

UNIVERSITY OF CALIFORNIA SCRIPPS INSTITUTION OF OCEANOGRAPHY

data report

PHYSICAL AND CHEMICAL DATA

CCOFI Cruise 5501

(MLR 68)

13-29 January 1955

and

CCOFI Cruise 5502

(MLR 69)

9-23 February 1955

SIO Reference 59-36

1 October 1958

UNIVERSITY OF CALIFORNIA

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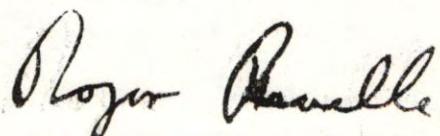
Sponsored by

Marine Research Committee

SIO Reference 59-36

15 October 1958

Approved for distribution:



Roger Revelle, Director

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INTRODUCTION

The data presented in this report were collected on the sixty-eighth and sixty-ninth consecutive cruises of the California Cooperative Oceanic Fisheries Investigations program. The R/V Paolina-T and the R/V Crest of the Scripps Institution participated in the sixty-eighth cruise and the R/V Crest, the R/V Paolina-T and the R/V Spencer F. Baird participated in the sixty-ninth 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; however, the data contained in this report have been carefully edited and no modifications should be necessary before final publication.

STANDARD PROCEDURES

Processing of the data was carried out using the method described by Klein.^{1/} Certain approximations have been introduced for the determination of the integrated pressure terms which may result in errors whose maximum values are less than 0.5 dynamic centimeter at 0 over 200 decibars, 1.0 dynamic centimeter at 0 over 500 decibars, and 2.0 dynamic centimeters at 0 over 1000 decibars.

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, messenger times and wire angles are given in the order of increasing depth. A line is left blank between the observed data of each cast.

^{1/}

Klein, Hans T. A new technique for processing physical oceanographic data. MS.

FOOTNOTES

Footnotes which appear frequently are "loose bottle cap" and "possible evaporation." To avoid any confusion as to their meaning the following explanation is included.

Laboratory personnel, before titrating the salinity samples, note any possible imperfections in the sealing of the bottles as follows:

- Loose bottle cap: The cap is definitely loose so that it could be moved with very little applied pressure. The salinity values obtained from these samples may be usable depending on time and/or conditions of storage.
- Possible evaporation: Either the cap was sealed with less than usual pressure, the bottle edge chipped, the rubber washer cracked, or the bale broke on opening, etc.

Use of the above values in interpolation depends upon consistency with other values of salinity and other properties, and these footnotes are supplemented with "falls on property curve" or "does not fall on property curve," depending upon whether the property curve was drawn through the value or not.

In addition to 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.

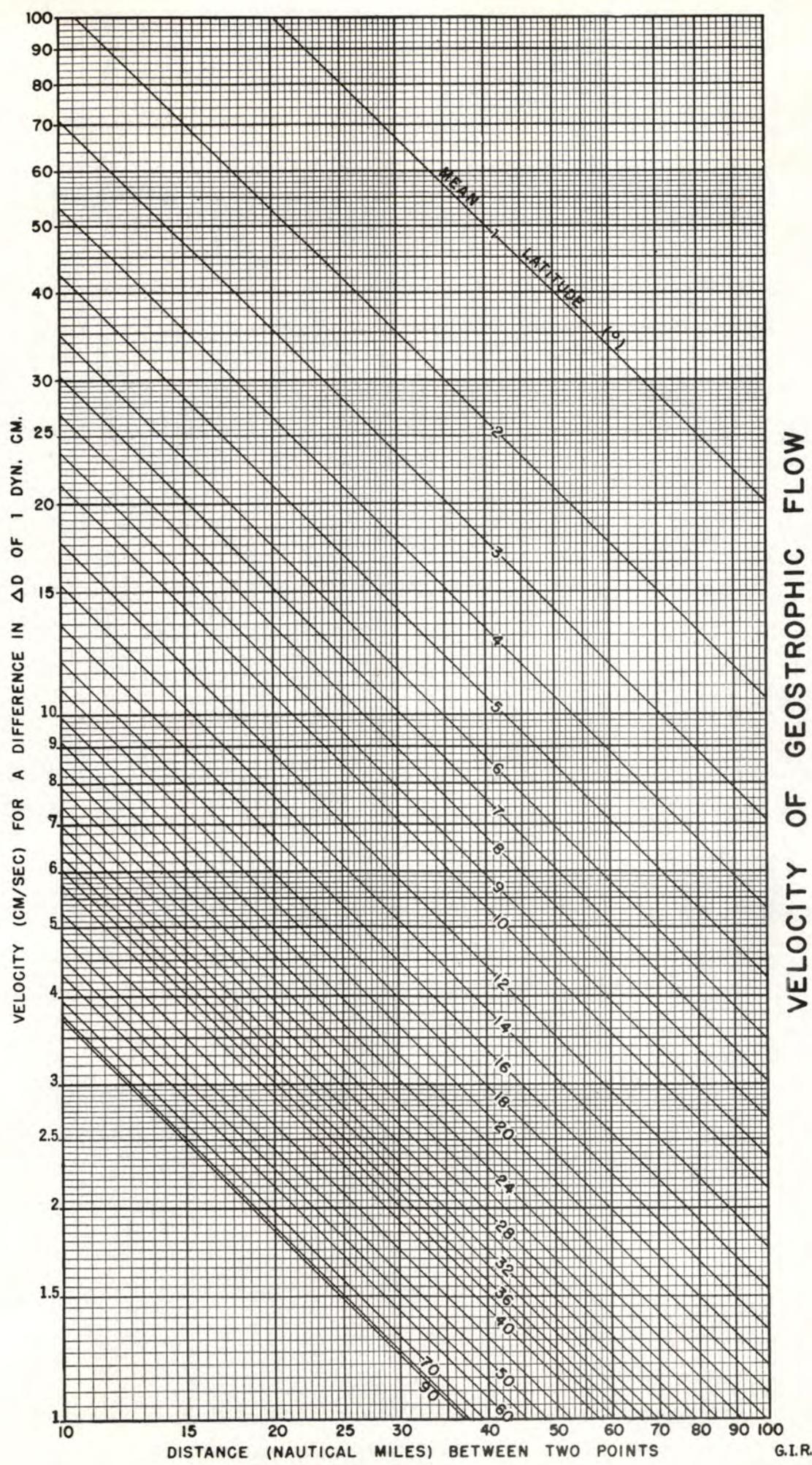
p: pretrip or posttrip.

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),

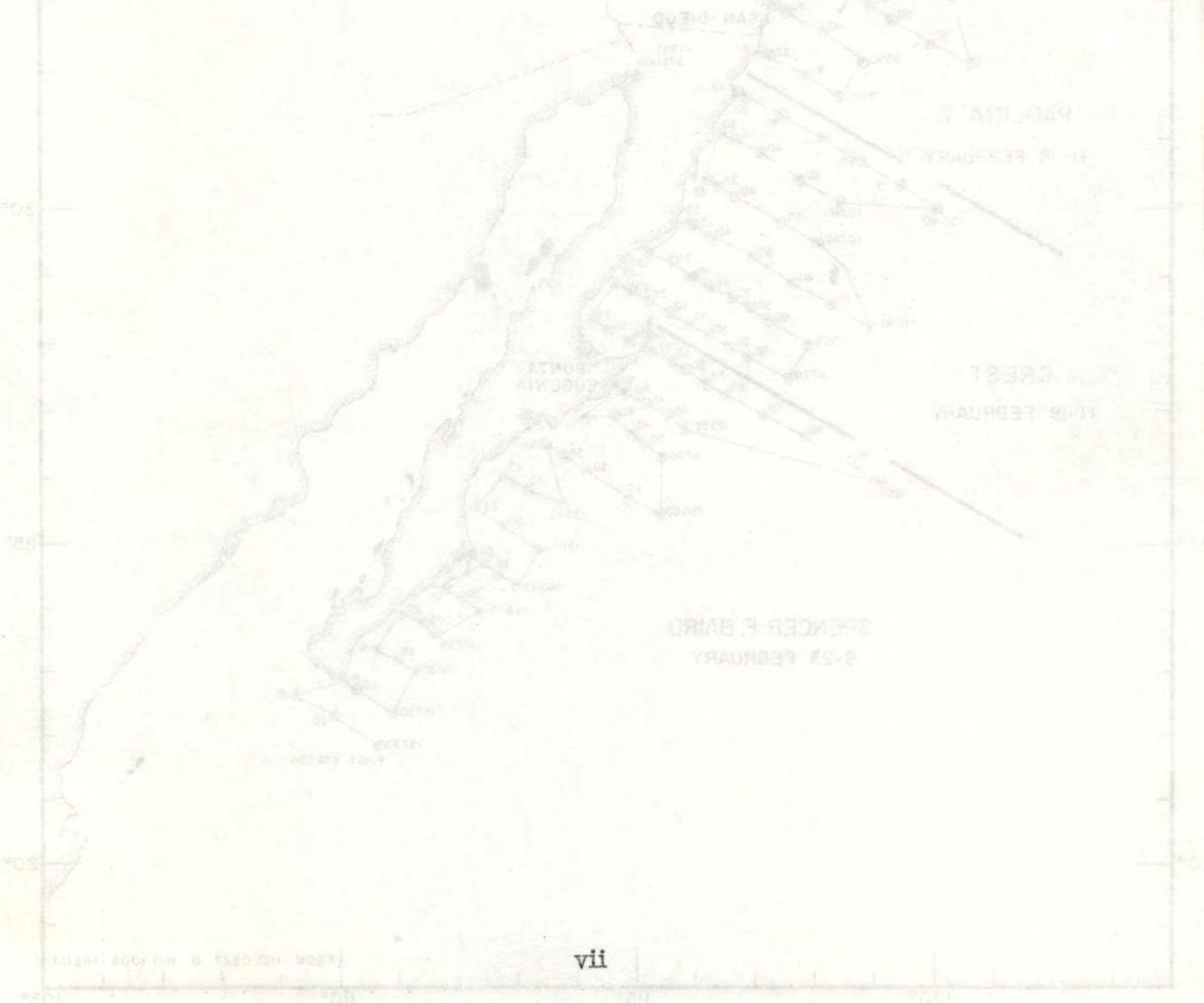
u: uncertain value (value may be correct; occasionally it can influence the drawing of the property curve).

VELOCITY OF GEOSTROPHIC FLOW



FIGURES

1. CCOFI Cruise 5502 (MLR 69), 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



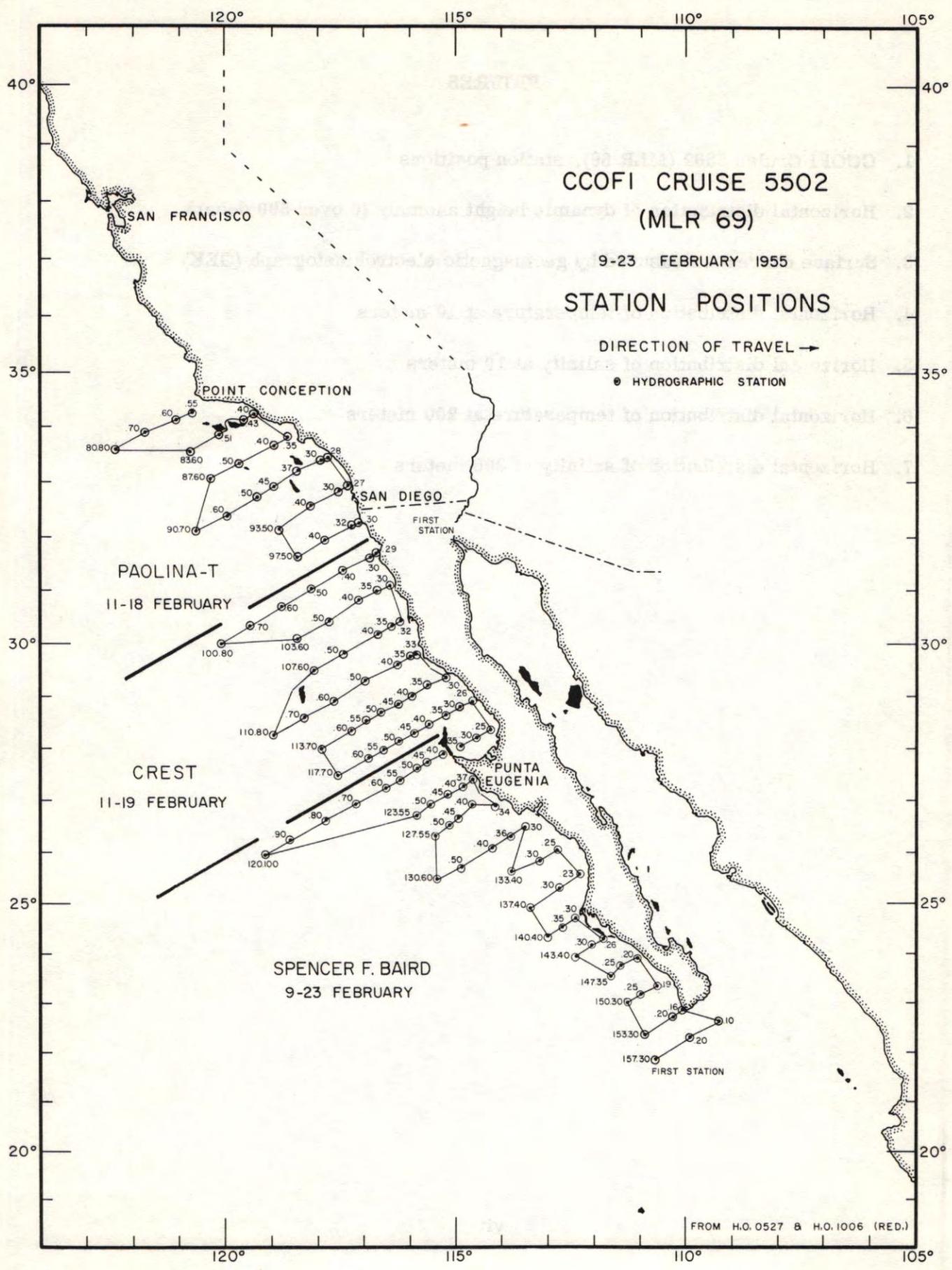
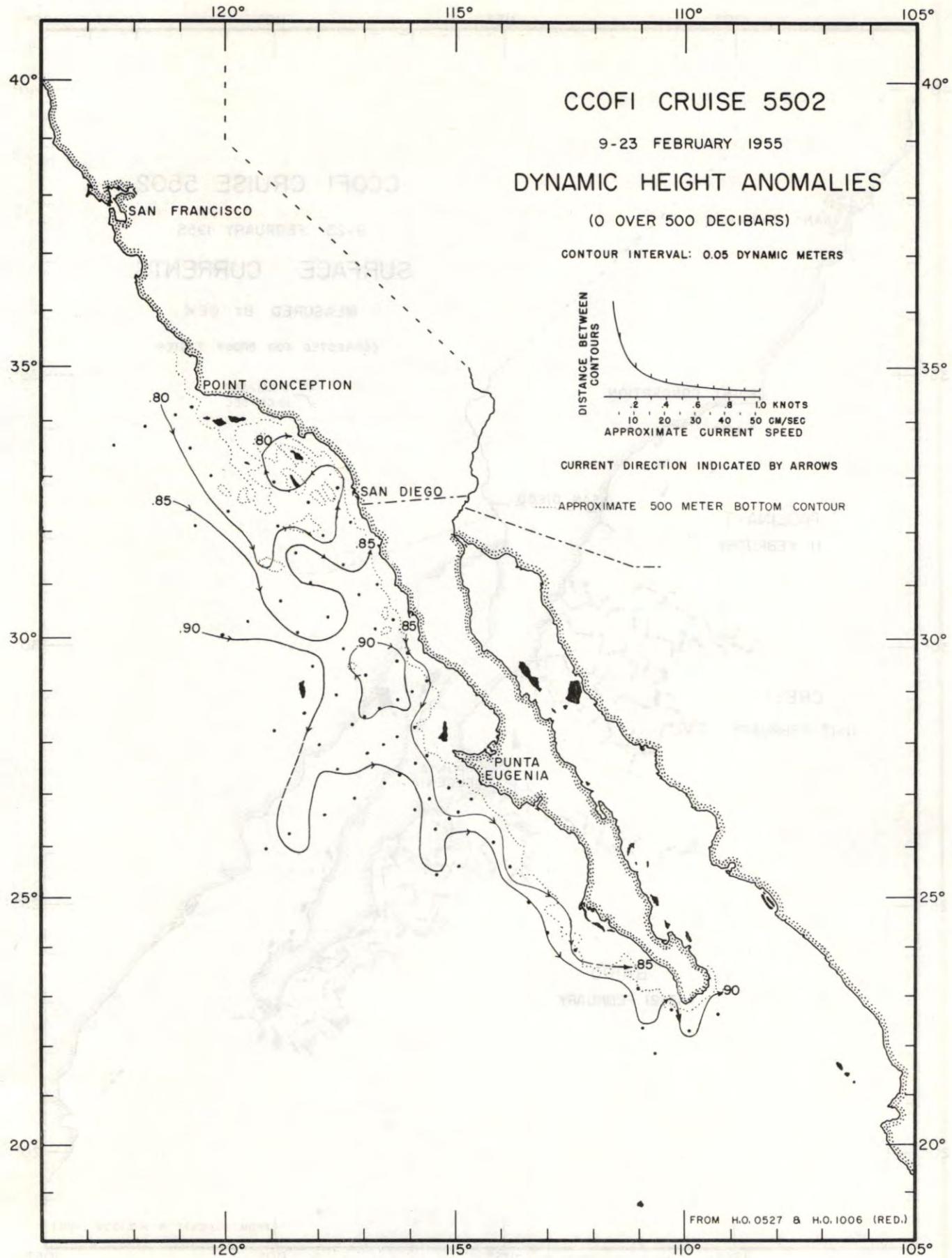


FIGURE I



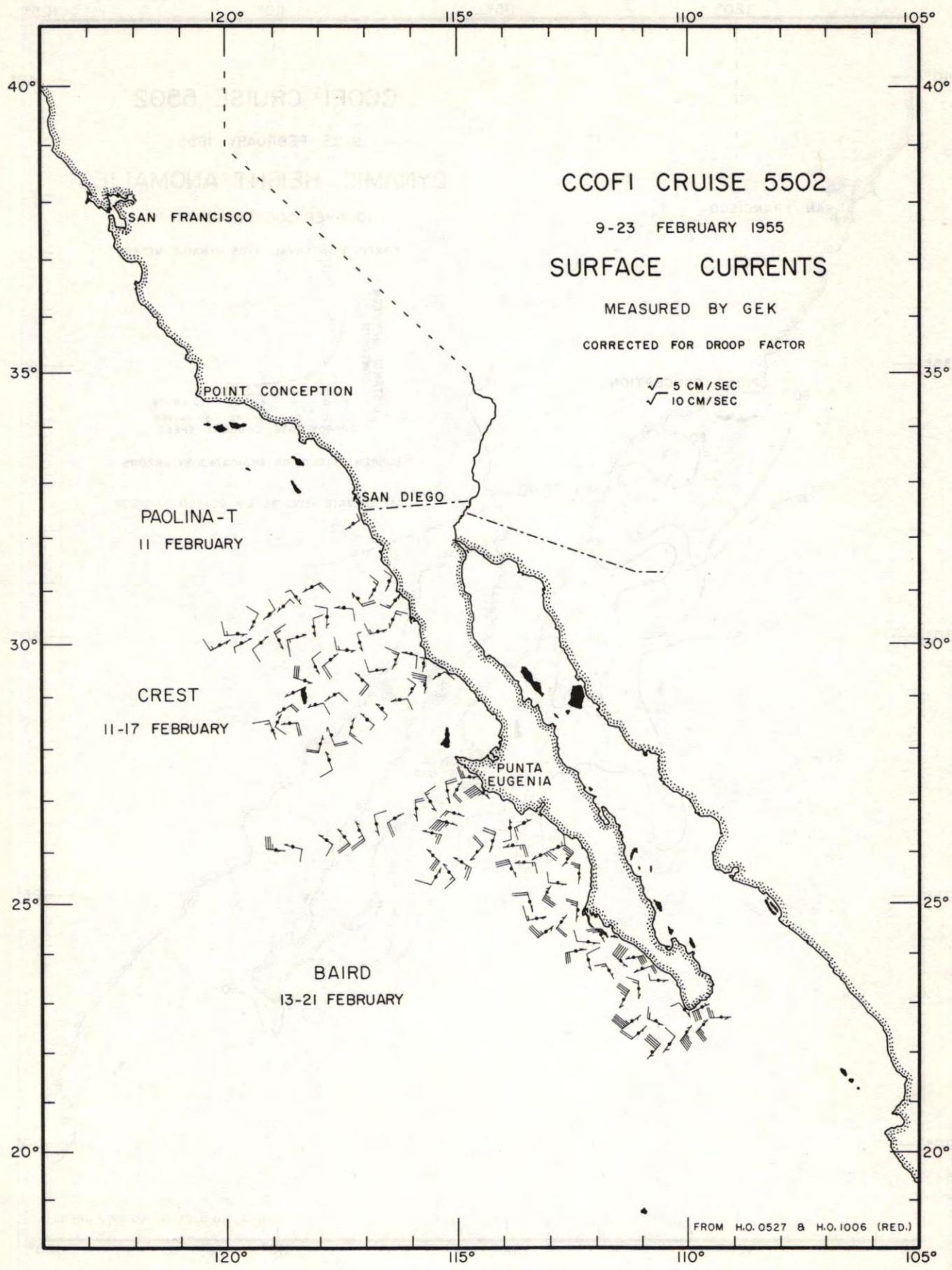


FIGURE 3

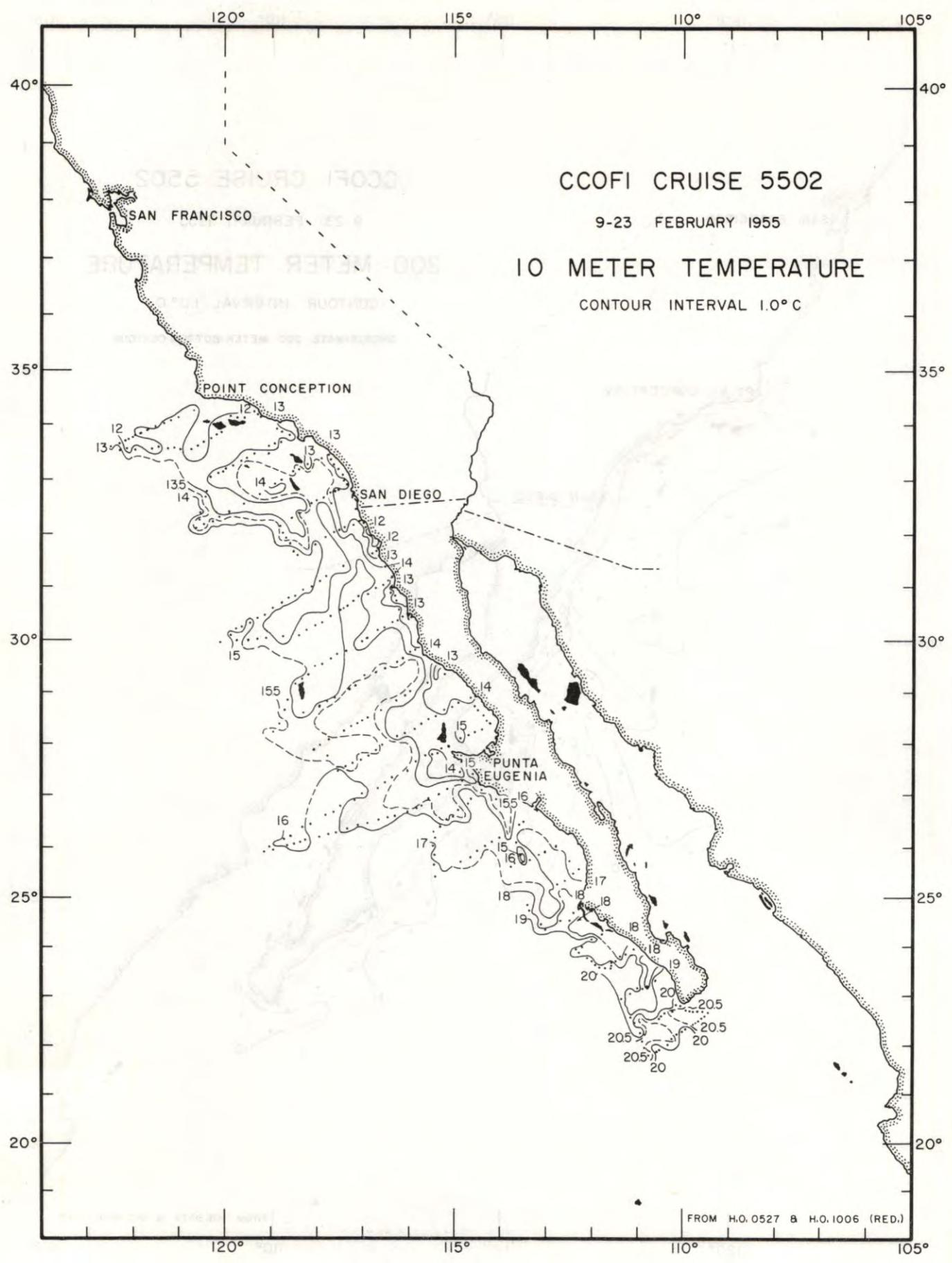
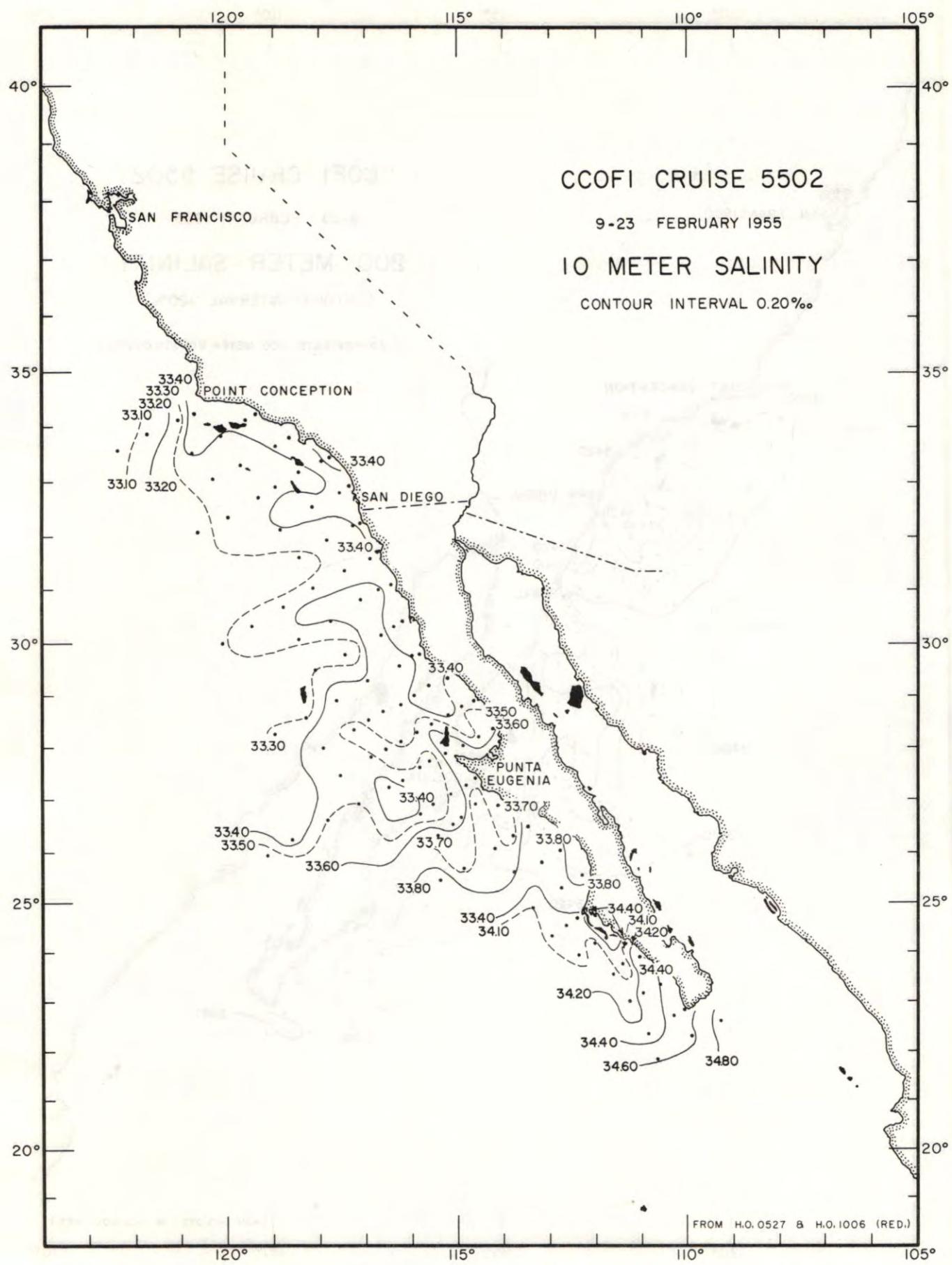


FIGURE 4



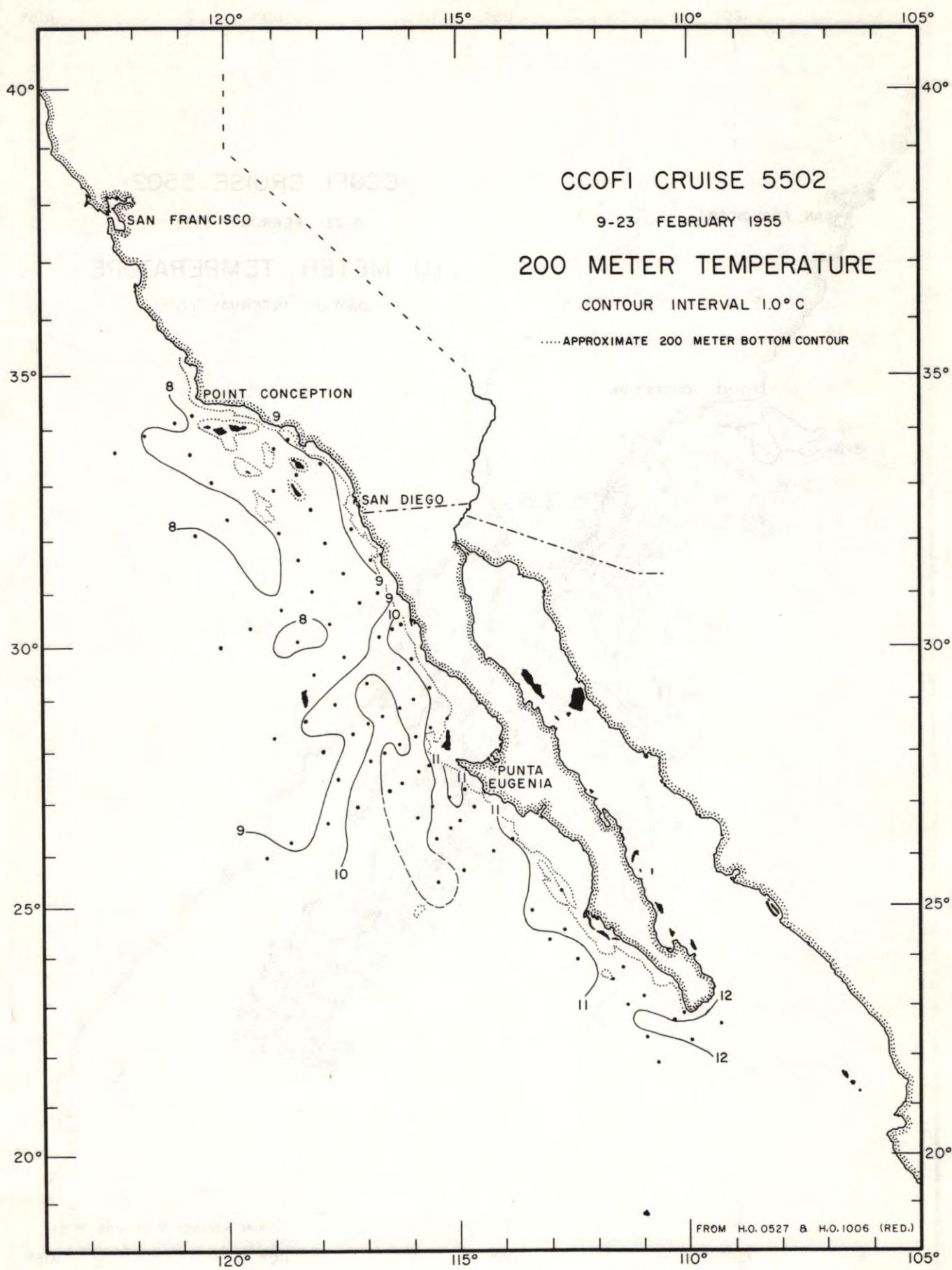


FIGURE 5

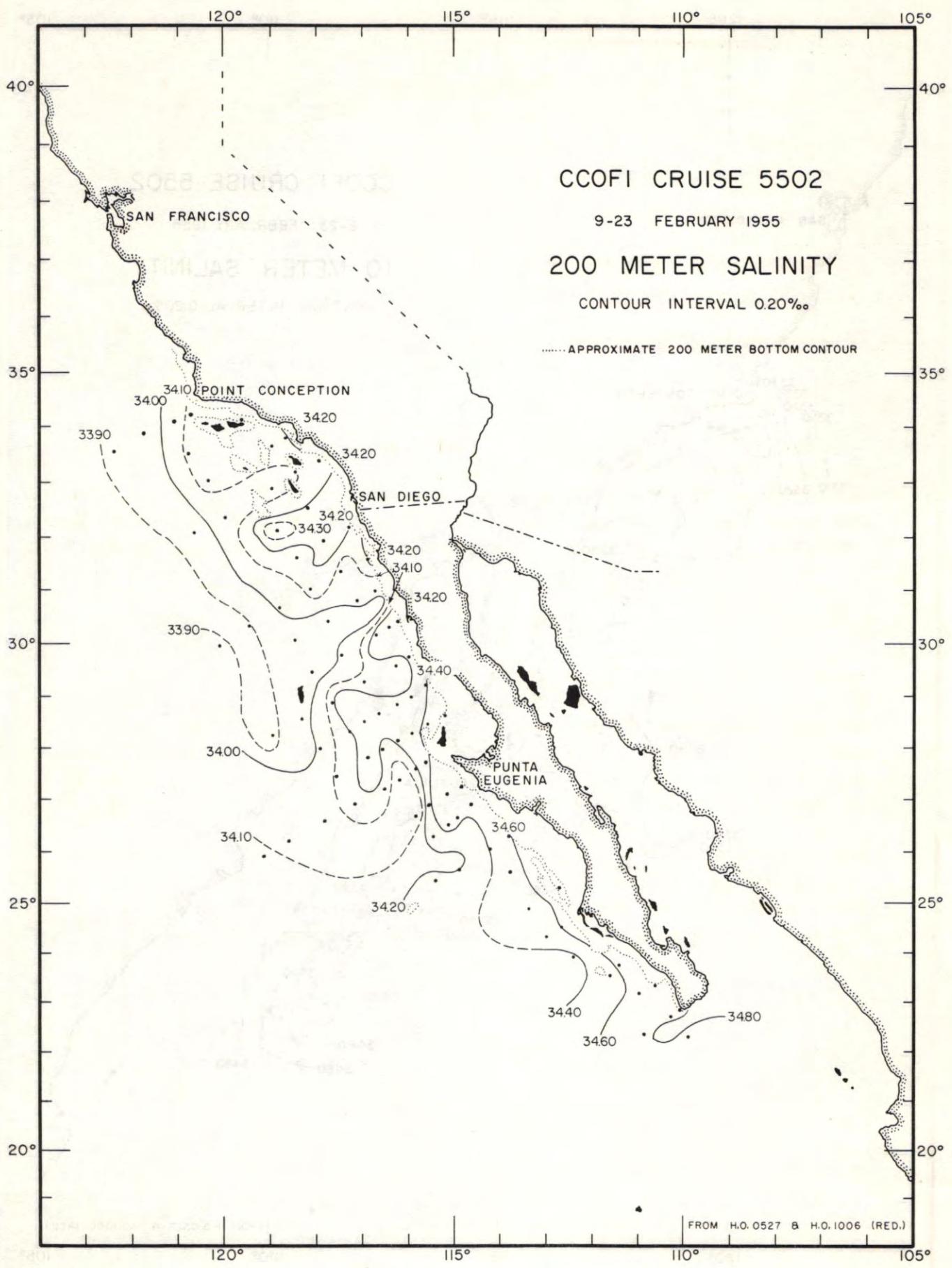


FIGURE 7

PERSONNEL

PERSONNEL
Cruise 5502

SHIPS' CAPTAINS

Ashton, Robert D., R/V Crest

Haines, Robert B., R/V Paolina-T

Wyatt, Vernon H., R/V Spencer F. Baird

PERSONNEL PARTICIPATING IN THE COLLECTION OF DATA

R/V Crest

Coolidge, Richard N., Senior Marine Technician

Brennan, Robert E., Marine Technician

Brown, Daniel M., Marine Technician

O'Connell, Charles P., Marine Research Biologist, U. S. Fish and Wildlife Service

Dodiment, A. J., Assistant Scientist, Pacific Oceanographic Group, Nanaimo, British Columbia

R/V Paolina-T

Kivlen, John C., Senior Marine Technician

Fletcher, Kenneth H., Marine Technician

Hapgood, William F., Fishery Aid, U. S. Fish and Wildlife Service

Hugood, William H., Fishery Aide,
Linn Robert J. Marine Technician

R/V Spencer F. Baird

Schwartzlose, Richard A. Senior Marine Technician

Bryer, Bruce A. Marine Technician

Beith, A. Dougall, Marine Technician

Vrooman, Andrew M., Fishery Research Biologist, U. S. Fish and Wildlife Service

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| | OBSERVED | | | | | INTERPOLATED | | | | COMPUTED | | |
|--|----------|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-----------------------|--|--------------|
| | Z m | T °C | S ‰ | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm/g | Z m | T °C | S ‰ | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm/g | ΔD dyn. m |

80.55 PAOLINA-T; February 18, 1955; 0650 GCT; 34°14'N, 120°43'W; sounding, 410 fm; wind, 310°, force 5; weather, missing; sea, very rough; wire angle, 25°.

| | | | | | | | | | | |
|-----|-------|---------|-----|-----|--------|---------|--|---------|-------|--------|
| 0 | 12.3 | 33.47 | 262 | 0 | 12.3 | 33.47 | | 25.36 | 262 | 0.00 |
| 10 | 12.16 | 33.50 | 257 | 10 | 12.16 | 33.50 | | 25.42 | 257 | 0.03 |
| 30 | 11.67 | 33.49 | 249 | 20 | 11.67 | 33.50 | | 25.45 | 254 | 0.05 |
| 40 | 10.83 | 33.56 | 230 | 30 | 11.67 | 33.49 | | 25.50 | 249 | 0.08 |
| 50 | 10.36 | 33.65 | 215 | 50 | 10.36 | 33.65 | | 25.86 | 215 | 0.12 |
| 59 | 9.87 | 33.74 | 200 | 75 | 9.68 | 33.84 | | 26.12 | 190 | 0.17 |
| 69 | 9.74 | 33.80a) | 194 | 100 | 9.35 | 33.88 | | 26.21 | 182 | 0.22 |
| 78 | 9.63 | 33.86 | 188 | 150 | 8.80 | 34.06 | | 26.44 | 160 | 0.31 |
| 87 | 9.56 | 33.88 | 185 | 200 | 8.50 | 34.12 | | 26.53 | 152 | 0.39 |
| 96 | 9.40 | 33.86 | 184 | 250 | 8.24 | 34.15 | | 26.59 | 146 | 0.46 |
| 120 | 9.10 | 34.00 | 169 | 300 | 7.94 | 34.19 | | 26.67 | 138 | 0.54 |
| 147 | 8.86 | 34.06 | 161 | 400 | 7.22 | 34.23 | | 26.80 | 126 | 0.67 |
| 195 | 8.53 | 34.11 | 152 | 500 | 6.39 | 34.24 | | 26.92 | 114 | 0.80 |
| 252 | 8.22 | 34.15 | 146 | 600 | (5.70) | (34.30) | | (27.06) | (101) | (0.91) |
| 351 | 7.61 | 34.22 | 132 | | | | | | | |
| 468 | 6.61 | 34.23 | 118 | | | | | | | |
| 591 | 5.79 | 34.30 | 102 | | | | | | | |

80.60 PAOLINA-T; February 18, 1955; 0249 GCT; 34°08'N, 121°01'W; sounding, 900 fm; wind, 320°, force 5; weather, missing; sea, moderate; wire angle, 40°.

| | | | | | | | | | | |
|-----|-------|---------|-----|-----|--------|---------|--|---------|-------|--------|
| 0 | 12.5 | 33.29 | 279 | 0 | 12.5 | 33.29 | | 25.19 | 279 | 0.00 |
| 9 | 12.32 | 33.24 | 279 | 10 | 12.32 | 33.24 | | 25.18 | 279 | 0.03 |
| 25 | 12.06 | 33.21 | 277 | 20 | 12.15 | 33.22 | | 25.20 | 278 | 0.06 |
| 37 | 11.57 | 33.29 | 262 | 30 | 11.85 | 33.24 | | 25.27 | 271 | 0.08 |
| 48 | 11.46 | 33.42 | 251 | 50 | 11.40 | 33.44 | | 25.51 | 248 | 0.14 |
| 55 | 11.23 | 33.48 | 242 | 75 | 10.58 | 33.55 | | 25.74 | 227 | 0.20 |
| 63 | 11.22 | 33.53 | 238 | 100 | 9.40 | 33.68 | | 26.04 | 198 | 0.25 |
| 73 | 10.76 | 33.54 | 230 | 150 | 8.52 | 33.94 | | 26.38 | 165 | 0.34 |
| 80 | 10.16 | 33.57 | 218 | 200 | 7.97 | 34.03 | | 26.54 | 151 | 0.42 |
| 89 | 9.86 | 33.60 | 211 | 250 | 7.53 | 34.09 | | 26.65 | 140 | 0.49 |
| 106 | 9.20 | 33.75 | 190 | 300 | 7.23 | 34.16 | | 26.75 | 130 | 0.56 |
| 122 | 9.02 | 33.84b) | 180 | 400 | 6.75 | 34.24 | | 26.87 | 119 | 0.69 |
| 152 | 8.50 | 33.94 | 165 | 500 | (6.06) | (34.28) | | (26.99) | (107) | (0.81) |
| 191 | 8.05 | 34.02 | 152 | | | | | | | |
| 266 | 7.40 | 34.10 | 138 | | | | | | | |
| 369 | 6.93 | 34.22 | 122 | | | | | | | |
| 488 | 6.14 | 34.27 | 108 | | | | | | | |

80.70 PAOLINA-T; February 17, 1955; 2129 GCT; 33°54.5'N, 121°42.5'W; sounding, 1940 fm; wind, 290°, force 3; weather, fog; sea, rough; wire angle, 13°.

| | | | | | | | | | | |
|------|-------|-------|-----|------|-------|-------|--|-------|-----|------|
| 0 | 12.6 | 33.17 | 289 | 0 | 12.6 | 33.17 | | 25.08 | 289 | 0.00 |
| 11 | 12.12 | 33.12 | 284 | 10 | 12.12 | 33.12 | | 25.13 | 284 | 0.03 |
| 26 | 12.17 | 33.32 | 270 | 20 | 12.14 | 33.24 | | 25.23 | 275 | 0.06 |
| 56 | 12.12 | 33.39 | 264 | 30 | 12.17 | 33.34 | | 25.29 | 269 | 0.08 |
| 65 | 12.04 | 33.36 | 266 | 50 | 12.14 | 33.38 | | 25.33 | 266 | 0.14 |
| 75 | 10.92 | 33.19 | 258 | 75 | 10.92 | 33.19 | | 25.40 | 258 | 0.20 |
| 90 | 10.25 | 33.37 | 234 | 100 | 10.03 | 33.44 | | 25.75 | 226 | 0.26 |
| 111 | 9.38 | 33.48 | 210 | 150 | 8.79 | 33.80 | | 26.24 | 179 | 0.37 |
| 134 | 9.05 | 33.68 | 192 | 200 | 8.14 | 33.98 | | 26.48 | 156 | 0.45 |
| 163 | 8.58 | 33.87 | 171 | 250 | 7.41 | 34.03 | | 26.62 | 143 | 0.53 |
| 215 | 7.96 | 34.01 | 152 | 300 | 6.66 | 34.05 | | 26.73 | 133 | 0.60 |
| 291 | 6.77 | 34.04 | 134 | 400 | 6.32 | 34.21 | | 26.91 | 116 | 0.73 |
| 397 | 6.36 | 34.21 | 116 | 500 | 5.74 | 34.29 | | 27.05 | 102 | 0.84 |
| 535 | 5.56 | 34.31 | 98 | 600 | 5.22 | 34.34 | | 27.15 | 93 | 0.94 |
| 722 | 4.76 | 34.38 | 85 | 700 | 4.82 | 34.37 | | 27.21 | 86 | 1.04 |
| 956 | 3.99 | 34.48 | 69 | 800 | 4.48 | 34.42 | | 27.29 | 79 | 1.13 |
| 1267 | 3.26 | 34.55 | 57 | 1000 | 3.82 | 34.50 | | 27.42 | 66 | 1.29 |

a) Mean value of 33.78 and 33.82‰.

b) Loose bottle cap; value falls on property curve.

| OBSERVED | | | | | INTERPOLATED | | | | COMPUTED | | |
|----------|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-----------------------|--|--------------|
| Z m | T °C | S % | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm/g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm/g | ΔD dyn. m |

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PAOLINA-T; February 17, 1955; 1443 GCT; 33°35'N, 122°23'W; sounding, 2130 fm; wind, 260°, force 4;
weather, cloudy; sea, rough; wire angle, 12°.

| | | | | | | | | | | |
|------|-------|---------|-----|------|-------|-------|--|-------|-----|------|
| 0 | 12.7 | 33.05 | 300 | 0 | 12.7 | 33.05 | | 24.96 | 300 | 0.00 |
| 10 | 12.68 | 33.03 | 301 | 10 | 12.68 | 33.03 | | 24.95 | 301 | 0.03 |
| 26 | 12.22 | 33.05 | 291 | 20 | 12.44 | 33.04 | | 25.00 | 297 | 0.06 |
| 56 | 11.58 | 33.10 | 276 | 30 | 12.12 | 33.06 | | 25.08 | 289 | 0.09 |
| 65 | 11.54 | 33.19 | 269 | 50 | 11.68 | 33.09 | | 25.19 | 279 | 0.15 |
| 75 | 10.78 | 33.19 | 256 | 75 | 10.78 | 33.19 | | 25.43 | 256 | 0.21 |
| 89 | 10.02 | 33.37a) | 230 | 100 | 9.59 | 33.42 | | 25.80 | 220 | 0.27 |
| 107 | 9.35 | 33.44 | 215 | 150 | 8.55 | 33.80 | | 26.27 | 176 | 0.37 |
| 131 | 8.85 | 33.78 | 181 | 200 | 7.80 | 33.90 | | 26.46 | 158 | 0.46 |
| 159 | 8.39 | 33.81 | 173 | 250 | 7.23 | 33.98 | | 26.60 | 144 | 0.54 |
| 282 | 6.96 | 34.04 | 136 | 300 | 6.82 | 34.08 | | 26.73 | 132 | 0.61 |
| 382 | 6.44 | 34.20 | 118 | 400 | 6.36 | 34.22 | | 26.91 | 115 | 0.74 |
| 516 | 5.61 | 34.34 | 97 | 500 | 5.70 | 34.33 | | 27.08 | 99 | 0.85 |
| 696 | 4.74 | 34.42 | 82 | 600 | 5.17 | 34.38 | | 27.19 | 89 | 0.95 |
| 922 | 4.05 | 34.48 | 70 | 700 | 4.72 | 34.42 | | 27.26 | 82 | 1.04 |
| 1226 | 3.37 | 34.53 | 60 | 800 | 4.40 | 34.45 | | 27.32 | 76 | 1.12 |
| | | | | 1000 | 3.82 | 34.49 | | 27.42 | 67 | 1.28 |

PAOLINA-T; February 16, 1955; 1024 GCT; 34°13'N, 119°22.5'W; sounding, 18 fm; wind, 120°, force 1;
weather, overcast; sea, slight; wire angle, 00°.

| | | | | | | | | | | |
|----|-------|-------|-----|----|---------|---------|--|---------|-------|--------|
| 1 | 12.81 | 33.43 | 274 | 0 | (12.81) | (33.43) | | (25.23) | (274) | (0.00) |
| 6 | 12.85 | 33.43 | 275 | 10 | 12.86 | 33.45 | | 25.24 | 274 | 0.03 |
| 11 | 12.84 | 33.45 | 274 | 20 | 12.23 | 33.46 | | 25.36 | 262 | 0.05 |
| 16 | 12.51 | 33.41 | 270 | | | | | | | |
| 21 | 12.22 | 33.46 | 262 | | | | | | | |
| 26 | 12.24 | 33.47 | 261 | | | | | | | |

PAOLINA-T; February 16, 1955; 1224 GCT; 34°08'N, 119°34'W; sounding, 135 fm; wind, 090°, force 1;
weather, overcast; sea, smooth; wire angle, 00°.

| | | | | | | | | | | |
|-----|-------|-------|-----|-----|-------|-------|--|-------|-----|------|
| 0 | 12.80 | 33.44 | 273 | 0 | 12.80 | 33.44 | | 25.25 | 273 | 0.00 |
| 10 | 12.50 | 33.46 | 266 | 10 | 12.50 | 33.46 | | 25.32 | 266 | 0.03 |
| 15 | 12.42 | 33.45 | 266 | 20 | 12.35 | 33.45 | | 25.34 | 264 | 0.05 |
| 20 | 12.35 | 33.45 | 264 | 30 | 12.03 | 33.43 | | 25.38 | 260 | 0.08 |
| 25 | 12.23 | 33.49 | 260 | 50 | 11.48 | 33.52 | | 25.55 | 244 | 0.13 |
| 30 | 12.03 | 33.43 | 260 | 75 | 10.30 | 33.66 | | 25.88 | 213 | 0.19 |
| 35 | 11.90 | 33.48 | 254 | 100 | 9.69 | 33.83 | | 26.11 | 191 | 0.24 |
| 45 | 11.64 | 33.49 | 249 | 150 | 9.00 | 34.07 | | 26.42 | 162 | 0.33 |
| 55 | 11.23 | 33.55 | 237 | 200 | 8.48 | 34.14 | | 26.55 | 150 | 0.41 |
| 65 | 10.60 | 33.55 | 226 | | | | | | | |
| 74 | 10.30 | 33.66 | 214 | | | | | | | |
| 94 | 9.79 | 33.78 | 197 | | | | | | | |
| 108 | 9.58 | 33.88 | 186 | | | | | | | |
| 139 | 9.17 | 34.01 | 169 | | | | | | | |
| 168 | 8.74 | 34.15 | 152 | | | | | | | |
| 203 | 8.46 | 34.14 | 149 | | | | | | | |

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a) Loose bottle cap; value falls on property curve.

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| Z m | OBSERVED | | | | INTERPOLATED | | | | COMPUTED | | |
|--------|----------|--------|------------------------|---|--------------|---------|--------|------------------------|-----------------------|---|-------------|
| | T °C | S % | O ₂ ml/L | δT 10 ⁻⁵ cm ³ /g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δT 10 ⁻⁵ cm ³ /g | ΔD dyn.m |

8351 PAOLINA-T; February 16, 1955; 1958 GCT; 33°51.5'N, 120°08'W; sounding, 115 fm; wind, 200°, force 1;
weather, rain; sea, smooth; wire angle, 00°.

| | | | | | | | | | | |
|-----|-------|---------|-----|-----|-------|-------|--|-------|-----|------|
| 0 | 12.62 | 33.40 | 273 | 0 | 12.62 | 33.40 | | 25.25 | 273 | 0.00 |
| 10 | 12.55 | 33.40 | 272 | 10 | 12.55 | 33.40 | | 25.26 | 272 | 0.03 |
| 15 | 12.54 | 33.40 | 272 | 20 | 11.92 | 33.41 | | 25.39 | 260 | 0.05 |
| 20 | 11.92 | 33.41 | 260 | 30 | 11.19 | 33.44 | | 25.55 | 245 | 0.08 |
| 25 | 11.38 | 33.45 | 247 | 50 | 10.00 | 33.65 | | 25.92 | 209 | 0.12 |
| 30 | 11.19 | 33.44 | 245 | 75 | 9.56 | 33.85 | | 26.15 | 188 | 0.17 |
| 35 | 10.66 | 33.50 | 231 | 100 | 9.30 | 33.94 | | 26.26 | 177 | 0.22 |
| 45 | 10.33 | 33.57 | 221 | 150 | 9.12 | 34.04 | | 26.37 | 166 | 0.31 |
| 55 | 9.70 | 33.73 | 199 | | | | | | | 47 |
| 65 | 9.61 | 33.80 | 192 | | | | | | | 78 |
| 81 | 9.49 | 33.87a) | 185 | | | | | | | |
| 99 | 9.31 | 33.94 | 177 | | | | | | | |
| 118 | 9.24 | 34.00 | 172 | | | | | | | |
| 154 | 9.09 | 34.04 | 166 | | | | | | | |

8360 PAOLINA-T; February 17, 1955; 0134 GCT; 33°34'N, 120°45'W; sounding, 650 fm; wind, 180, force 5;
weather, overcast; sea, moderate; wire angle, 15°.

| | | | | | | | | | | |
|-----|-------|---------|-----|-----|--------|---------|--|---------|------|-----------|
| 0 | 12.1 | 33.39 | 264 | 0 | 12.1 | 33.39 | | 25.34 | 264 | 0.00 |
| 10 | 11.70 | 33.41 | 256 | 10 | 11.70 | 33.41 | | 25.43 | 256 | 0.03 |
| 30 | 11.38 | 33.48 | 245 | 20 | 11.52 | 33.45 | | 25.49 | 250 | 0.05 |
| 39 | 11.30 | 33.49 | 243 | 30 | 11.38 | 33.48 | | 25.55 | 245 | 0.08 |
| 49 | 11.13 | 33.48 | 240 | 50 | 11.11 | 33.48 | | 25.59 | 240 | 0.12 |
| 59 | 10.65 | 33.51 | 230 | 75 | 9.95 | 33.56 | | 25.86 | 215 | 0.18 |
| 68 | 10.20 | 33.53 | 222 | 100 | 9.24 | 33.80 | | 26.15 | 187 | 0.23 |
| 78 | 9.80 | 33.58 | 212 | 150 | 9.81 | 34.04 | | 26.41 | 163 | 0.32 - 47 |
| 87 | 9.55 | 33.68 | 200 | 200 | 8.42 | 34.14 | | 26.56 | 149 | 0.40 |
| 97 | 9.32 | 33.76 | 191 | 250 | 7.95 | 34.18 | | 26.66 | 139 | 0.47 |
| 121 | 9.10 | 33.93 | 174 | 300 | 7.58 | 34.22 | | 26.74 | 131 | 0.54 |
| 148 | 8.86 | 34.03 | 163 | 400 | 6.87 | 34.28 | | 26.88 | 118 | 0.67 |
| 194 | 8.48 | 34.13 | 150 | 500 | 6.24 | 34.31 | | 26.99 | 107 | 0.79 |
| 250 | 7.95 | 34.18b) | 139 | 600 | (6.67) | (34.33) | | (27.09) | (98) | (0.90) |
| 350 | 7.20 | 34.25 | 124 | | | | | | | |
| 466 | 6.42 | 34.30 | 110 | | | | | | | |
| 591 | 5.74 | 34.33 | 99 | | | | | | | |

8735 PAOLINA-T; February 16, 1955; 0346 GCT; 33°49.5'N, 118°38'W; sounding, 340 fm; wind, 240°, force 5;
weather, overcast; sea, moderate; wire angle, 08°.

| | | | | | | | | | | |
|-----|-------|-------|-----|-----|-------|-------|--|-------|-----|--------|
| 0 | 13.2 | 33.39 | 285 | 0 | 13.2 | 33.39 | | 25.13 | 285 | 0.00 |
| 10 | 12.79 | 33.45 | 272 | 10 | 12.79 | 33.45 | | 25.26 | 272 | 0.03 |
| 15 | 12.72 | 33.41 | 274 | 20 | 12.65 | 33.41 | | 25.25 | 273 | 0.06 |
| 20 | 12.65 | 33.41 | 273 | 30 | 12.42 | 33.38 | | 25.27 | 271 | 0.08 |
| 25 | 12.56 | 33.42 | 270 | 50 | 10.73 | 33.44 | | 25.63 | 237 | 0.13 |
| 30 | 12.42 | 33.38 | 271 | 75 | 9.97 | 33.64 | | 25.91 | 210 | 0.19 |
| 40 | 11.52 | 33.41 | 252 | 100 | 9.74 | 33.77 | | 26.06 | 196 | 0.24 |
| 50 | 10.73 | 33.44 | 237 | 150 | 9.40 | 34.03 | | 26.33 | 170 | 0.33 - |
| 64 | 10.17 | 33.55 | 219 | 200 | 9.22 | 34.21 | | 26.48 | 156 | 0.42 |
| 78 | 9.90 | 33.67 | 206 | 250 | 8.85 | 34.24 | | 26.57 | 147 | 0.49 |
| 98 | 9.76 | 33.77 | 196 | 300 | 8.28 | 34.24 | | 26.67 | 138 | 0.57 |
| 121 | 9.62 | 33.88 | 186 | 400 | 7.39 | 34.29 | | 26.83 | 123 | 0.70 |
| 159 | 9.34 | 34.07 | 168 | | | | | | | |
| 199 | 9.22 | 34.21 | 156 | | | | | | | |
| 248 | 8.86 | 34.24 | 148 | | | | | | | |
| 321 | 8.02 | 34.24 | 136 | | | | | | | |
| 402 | 7.38 | 34.29 | 123 | | | | | | | |

a) Alternate value, 33.92%, not used in interpolation.

b) Alternate value, 34.14%, not used in interpolation.

| OBSERVED | | | | | INTERPOLATED | | | | COMPUTED | | | SIO CCOFI 5502 |
|--|---------|--------|------------------------|---|--------------|---------|--------|------------------------|-----------------------|---|-------------|----------------------|
| Z m | T °C | S % | O ₂ ml/L | δ _T 10 ⁻⁵ cm ³ /g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δ _T 10 ⁻⁵ cm ³ /g | ΔD dyn.m | |
| PAOLINA-T; February 16, 1955; 0037 GCT; 33°39.5'N, 118°58.5'W; sounding, 500 fm; wind, 260°, force 2; weather, overcast; sea, slight; wire angle, 05°. | | | | | | | | | | | 8740 | |
| 0 | 13.3 | 33.42 | 284 | | 0 | 13.3 | 33.42 | 25.13 | 284 | 0.00 | | |
| 10 | 12.54 | 33.42 | 270 | | 10 | 12.54 | 33.42 | 25.28 | 270 | 0.03 | | |
| 15 | 12.45 | 33.44 | 267 | | 20 | 12.24 | 33.45 | 25.36 | 262 | 0.05 | | |
| 20 | 12.24 | 33.45 | 262 | | 30 | 12.13 | 33.43 | 25.37 | 262 | 0.08 | | |
| 25 | 12.14 | 33.44 | 261 | | 50 | 11.37 | 33.51 | 25.57 | 242 | 0.13 | | |
| 30 | 12.13 | 33.43 | 262 | | 75 | 10.38 | 33.58 | 25.80 | 221 | 0.19 | | |
| 40 | 11.93 | 33.62u | - | | 100 | 9.92 | 33.74 | 26.00 | 202 | 0.24 | | |
| 50 | 11.37 | 33.51 | 242 | | 150 | 9.49 | 33.91 | 26.21 | 182 | 0.34 | | |
| 65 | 10.71 | 33.53 | 230 | | 200 | 8.84 | 34.14 | 26.49 | 155 | 0.42 | 39 | |
| 79 | 10.24 | 33.61 | 216 | | 250 | 8.72 | 34.26 | 26.61 | 144 | 0.50 | | |
| 99 | 9.94 | 33.74 | 202 | | 300 | 7.91 | 34.28 | 26.74 | 132 | 0.57 | | |
| 123 | 9.78 | 33.80 | 195 | | 400 | 6.95 | 34.34 | 26.92 | 114 | 0.70 | | |
| 162 | 9.36 | 33.96 | 176 | | | | | | | | 11 | |
| 200 | 8.84 | 34.14 | 155 | | | | | | | | 81 | |
| 251 | 8.72 | 34.26 | 144 | | | | | | | | | |
| 325 | 7.52 | 34.28 | 126 | | | | | | | | | |
| 406 | 6.92 | 34.34 | 113 | | | | | | | | | |
| PAOLINA-T; February 15, 1955; 1855 GCT; 33°20'N, 119°40'W; sounding, 40 fm; wind, 240°, force 1; weather, partly cloudy; sea, moderate; wire angle, 00°. | | | | | | | | | | | 8750 | |
| 0 | 13.61 | 33.37 | 294 | | 0 | 13.61 | 33.37 | 25.03 | 294 | 0.00 | | |
| 10 | 13.43 | 33.30 | 296 | | 10 | 13.43 | 33.30 | 25.01 | 296 | 0.03 | | |
| 15 | 13.42 | 33.35 | 292 | | 20 | 13.38 | 33.40 | 25.10 | 287 | 0.06 | | |
| 20 | 13.38 | 33.40 | 287 | | 30 | 13.20 | 33.36 | 25.10 | 287 | 0.09 | | |
| 25 | 13.30 | 33.37 | 288 | | 50 | 11.98 | 33.29 | 25.29 | 269 | 0.14 | | |
| 30 | 13.20 | 33.36 | 287 | | | | | | | | | |
| 35 | 12.59 | 33.33 | 278 | | | | | | | | | |
| 40 | 12.46 | 33.35 | 274 | | | | | | | | | |
| 50 | 11.98 | 33.29 | 269 | | | | | | | | | |
| 60 | 10.66 | 33.35 | 242 | | | | | | | | | |
| PAOLINA-T; February 15, 1955; 1333 GCT; 33°03.5'N, 120°20'W; sounding, 336 fm; wind, 360°, force 3; weather, clear; sea, slight; wire angle, 06°. | | | | | | | | | | | 8760 | |
| 0 | 13.4 | 33.44 | 285 | | 0 | 13.4 | 33.44 | 25.12 | 285 | 0.00 | | |
| 10 | 13.27 | 33.35 | 289 | | 10 | 13.27 | 33.35 | 25.08 | 289 | 0.03 | | |
| 30 | 12.44 | 33.42 | 268 | | 20 | 12.96 | 33.37 | 25.16 | 282 | 0.06 | | |
| 40 | 11.88 | 33.40 | 260 | | 30 | 12.44 | 33.42 | 25.30 | 268 | 0.08 | | |
| 50 | 10.94 | 33.73r | - | | 50 | 10.94 | 33.45 | 25.60 | 240 | 0.14 | | |
| 60 | 10.35 | 33.50 | 226 | | 75 | 9.80 | 33.62 | 25.93 | 208 | 0.19 | | |
| 70 | 9.93 | 33.68u | - | | 100 | 9.14 | 33.80 | 26.18 | 185 | 0.24 | | |
| 80 | 9.68 | 33.59u | - | | 150 | 8.26 | 34.01 | 26.48 | 156 | 0.33 | | |
| 90 | 9.34 | 33.72 | 194 | | 200 | 8.03 | 34.14 | 26.61 | 144 | 0.40 | | |
| 100 | 9.14 | 33.80 | 185 | | 250 | 7.72 | 34.19 | 26.70 | 136 | 0.48 | | |
| 119 | 8.91 | 33.87 | 176 | | 300 | 7.31 | 34.24 | 26.80 | 126 | 0.54 | | |
| 144 | 8.36 | 34.00 | 158 | | 400 | 6.39 | 34.32 | 26.99 | 108 | 0.66 | | |
| 163 | 8.15 | 34.02 | 154 | | 500 | 6.03 | 34.33 | 27.04 | 103 | 0.77 | | |
| 202 | 8.02 | 34.14 | 143 | | | | | | | | | |
| 278 | 7.48 | 34.22 | 130 | | | | | | | | | |
| 381 | 6.49 | 34.32 | 110 | | | | | | | | | |
| 502 | 6.02 | 34.33 | 103 | | | | | | | | | |
| PAOLINA-T; February 14, 1955; 0053 GCT; 33°28.5'N, 117°45.5'W; sounding, 35 fm; wind, calm; weather, cloudy; sea, slight; wire angle, 00°. | | | | | | | | | | | 9028 | |
| 0 | 13.65 | 33.39 | 293 | | 0 | 13.65 | 33.39 | 25.04 | 293 | 0.00 | | |
| 10 | 13.04 | 33.38 | 282 | | 10 | 13.04 | 33.38 | 25.15 | 282 | 0.03 | | |
| 16 | 12.96 | 33.35 | 283 | | 20 | 12.88 | 33.36 | 25.17 | 281 | 0.06 | | |
| 20 | 12.88 | 33.36 | 281 | | 30 | 12.47 | 33.36 | 25.25 | 273 | 0.08 | | |
| 26 | 12.75 | 33.37 | 278 | | | | | | | | 71 | |
| 30 | 12.47 | 33.36 | 273 | | | | | | | | 79 | |

SIO

CCOFI
5502

| | OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|--|----------|---------|--------|------------------------|---|--------------|---------|--------|------------------------|-------------------|---|--------------|--|
| | Z m | T °C | S % | O ₂ ml/L | δT $10^{-5} \text{ cm}^3/\text{g}$ | Z m | T °C | S % | O ₂ ml/L | σ_t g/L | δT $10^{-5} \text{ cm}^3/\text{g}$ | ΔD dyn. m | |

90.30

PAOLINA-T; February 14, 1955; 0244 GCT; 33°24'N, 117°54.5'W; sounding, 310 fm; wind, 190°, force 2; weather, partly cloudy; sea, slight; wire angle, 00°.

| | | | | | | | | | |
|-----|--------|-------|-----|-----|-------|-------|-------|-----|-----------|
| 0 | 14.11 | 33.38 | 302 | 0 | 14.11 | 33.38 | 24.94 | 302 | 0.00 |
| 10 | 13.36 | 33.40 | 287 | 10 | 13.36 | 33.40 | 25.10 | 287 | 0.03 |
| 15 | 13.32 | 33.37 | 288 | 20 | 13.04 | 33.41 | 25.17 | 280 | 0.06 |
| 20 | 13.04 | 33.41 | 280 | 30 | 12.90 | 33.41 | 25.21 | 277 | 0.09 - 73 |
| 25 | 12.97 | 33.38 | 281 | 50 | 11.74 | 33.36 | 25.38 | 260 | 0.14 |
| 30 | 12.90 | 33.41 | 277 | 75 | 10.73 | 33.62 | 25.77 | 223 | 0.20 |
| 40 | 13.61r | 33.38 | - | 100 | 10.12 | 33.71 | 25.95 | 207 | 0.25 |
| 50 | 11.74 | 33.36 | 260 | 150 | 9.17 | 34.14 | 26.44 | 160 | 0.35 |
| 65 | 10.79 | 33.51 | 232 | 200 | 9.00 | 34.15 | 26.48 | 156 | 0.43 |
| 80 | 10.72 | 33.69 | 218 | 250 | 8.43 | 34.21 | 26.61 | 144 | 0.50 |
| 101 | 10.09 | 33.71 | 206 | 300 | 8.22 | 34.30 | 26.71 | 134 | 0.58 |
| 125 | 9.55 | 33.80 | 192 | 400 | 7.13 | 34.37 | 26.93 | 114 | 0.70 |
| 164 | 9.06 | 34.15 | 157 | | | | | | 12 |
| 203 | 8.99 | 34.15 | 156 | | | | | | 82 |
| 252 | 8.41 | 34.21 | 144 | | | | | | |
| 325 | 8.06 | 34.35 | 128 | | | | | | |
| 405 | 7.02 | 34.37 | 113 | | | | | | |

90.37

PAOLINA-T; February 14, 1955; 0720 GCT; 33°12'N, 118°24.5'W; sounding, 600 fm; wind, 230°, force 3; weather, fog; sea, slight; wire angle, 05°.

| | | | | | | | | | |
|-----|-------|--------|-----|-----|-------|-------|-------|-----|-----------|
| 0 | 13.83 | 33.38 | 297 | 0 | 13.83 | 33.38 | 25.00 | 297 | 0.00 |
| 10 | 13.82 | 33.31 | 302 | 10 | 13.82 | 33.31 | 24.94 | 302 | 0.03 |
| 30 | 13.38 | 33.35 | 291 | 20 | 13.60 | 33.32 | 24.99 | 298 | 0.06 |
| 40 | 13.10 | 33.40 | 282 | 30 | 13.38 | 33.35 | 25.06 | 291 | 0.09 - 75 |
| 50 | 12.52 | 33.37 | 274 | 50 | 12.52 | 33.37 | 25.24 | 274 | 0.15 |
| 60 | 11.05 | 33.38 | 247 | 75 | 10.53 | 33.53 | 25.73 | 227 | 0.21 |
| 70 | 10.58 | 33.58u | - | 100 | 10.05 | 33.59 | 25.86 | 215 | 0.26 |
| 80 | 10.53 | 33.49u | - | 150 | 9.22 | 33.88 | 26.23 | 180 | 0.36 |
| 90 | 10.21 | 33.54 | 221 | 200 | 8.64 | 34.10 | 26.50 | 154 | 0.45 |
| 100 | 10.05 | 33.59 | 215 | 250 | 8.39 | 34.23 | 26.63 | 142 | 0.52 |
| 125 | 9.94 | 33.86 | 193 | 300 | 8.03 | 34.28 | 26.72 | 133 | 0.60 |
| 155 | 9.13 | 33.89 | 178 | 400 | 7.19 | 34.32 | 26.88 | 118 | 0.72 |
| 202 | 8.62 | 34.11 | 154 | 500 | 6.26 | 34.32 | 27.00 | 106 | 0.84 |
| 260 | 8.36 | 34.24 | 140 | 600 | 5.69 | 34.41 | 27.14 | 93 | 0.95 |
| 362 | 7.56 | 34.32 | 124 | | | | | | |
| 480 | 6.40 | 34.32 | 108 | | | | | | |
| 606 | 5.68 | 34.41 | 93 | | | | | | |

90.45

PAOLINA-T; February 14, 1955; 1247 GCT; 32°54'N, 118°58.5'W; sounding, 900 fm; wind, 330°, force 1; weather, clear; sea, slight; wire angle, 04°.

| | | | | | | | | | |
|-----|-------|---------|-----|-----|-------|-------|-------|-----|------|
| 0 | 13.88 | 33.40 | 297 | 0 | 13.88 | 33.40 | 25.00 | 297 | 0.00 |
| 10 | 13.89 | 33.39 | 298 | 10 | 13.89 | 33.39 | 24.99 | 298 | 0.03 |
| 30 | 13.37 | 33.38 | 288 | 20 | 13.74 | 33.38 | 25.02 | 295 | 0.06 |
| 40 | 13.09 | 33.33 | 287 | 30 | 13.37 | 33.38 | 25.09 | 288 | 0.09 |
| 50 | 12.73 | 33.34 | 280 | 50 | 12.73 | 33.34 | 25.18 | 280 | 0.15 |
| 60 | 11.91 | 33.30 | 268 | 75 | 10.68 | 33.36 | 25.57 | 242 | 0.21 |
| 70 | 10.91 | 33.35 | 246 | 100 | 9.88 | 33.58 | 25.88 | 213 | 0.27 |
| 81 | 10.54 | 33.37 | 239 | 150 | 9.62 | 34.10 | 26.34 | 170 | 0.36 |
| 91 | 10.13 | 33.50 | 223 | 200 | 8.42 | 34.08 | 26.51 | 153 | 0.45 |
| 101 | 9.86 | 33.59 | 212 | 250 | 7.94 | 34.10 | 26.60 | 145 | 0.52 |
| 126 | 9.88 | 33.92 | 187 | 300 | 7.56 | 34.15 | 26.69 | 136 | 0.60 |
| 155 | 9.49 | 34.10 | 168 | 400 | 7.19 | 34.25 | 26.87 | 119 | 0.73 |
| 203 | 8.38 | 34.08 | 152 | 500 | 6.88 | 34.32 | 27.00 | 107 | 0.85 |
| 261 | 7.84 | 34.11 | 143 | 600 | 5.81 | 34.36 | 27.09 | 98 | 0.95 |
| 363 | 7.08 | 34.22 | 124 | | | | | | |
| 482 | 6.38 | 34.29a) | 113 | | | | | | |
| 607 | 5.80 | 34.36 | 98 | | | | | | |

a) Loose bottle cap; value falls on property curve.

| OBSERVED | | | | | INTERPOLATED | | | | COMPUTED | | | SIO CCOFI 5502 | |
|--|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-----------------------|--|--------------|----------------------|-------|
| Z m | T °C | S % | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm/g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm/g | ΔD dyn. m | | |
| PAOLINA-T; February 14, 1955; 1644 GCT; 32°44'N, 119°16'W; sounding, 155 fm; wind, 320°, force 3; weather, cloudy; sea, moderate; wire angle, 04°. | | | | | | | | | | | | | 90.50 |
| 0 | 13.76 | 33.40 | 295 | | 0 | 13.76 | 33.40 | | 25.02 | 295 | 0.00 | | |
| 10 | 13.61 | 33.39 | 292 | | 10 | 13.61 | 33.39 | | 25.04 | 292 | 0.03 | | |
| 15 | 13.42 | 33.36 | 291 | | 20 | 13.14 | 33.35 | | 25.11 | 286 | 0.06 | | |
| 20 | 13.14 | 33.35 | 286 | | 30 | 12.72 | 33.32 | | 25.17 | 281 | 0.09 | | |
| 25 | 12.96 | 33.33 | 284 | | 50 | 10.88 | 33.41 | | 25.58 | 241 | 0.14 | | |
| 30 | 12.72 | 33.32 | 281 | | | | | | | | | | |
| 35 | 11.53 | 33.37 | 255 | | | | | | | | | | |
| 40 | 11.22 | 33.40 | 248 | | | | | | | | | | |
| 50 | 10.88 | 33.41 | 241 | | | | | | | | | | |
| 60 | 10.45 | 33.45 | 232 | | | | | | | | | | |
| PAOLINA-T; February 14, 1955; 2251 GCT; 32°22'N, 119°58'W; sounding, 460 fm; wind, 010°, force 4; weather, cloudy; sea, rough; wire angle, 05°. | | | | | | | | | | | | | 90.60 |
| 0 | 13.3 | 33.37 | 289 | | 0 | 13.3 | 33.37 | | 25.08 | 289 | 0.00 | | |
| 10 | 13.00 | 33.38 | 282 | | 10 | 13.00 | 33.38 | | 25.16 | 282 | 0.03 | | |
| 30 | 12.85 | 33.36 | 280 | | 20 | 12.89 | 33.38 | | 25.17 | 280 | 0.06 | | |
| 40 | 12.82 | 33.37 | 279 | | 30 | 12.85 | 33.36 | | 25.17 | 280 | 0.08 | | |
| 50 | 12.52 | 33.39 | 272 | | 50 | 12.52 | 33.39 | | 25.26 | 272 | 0.14 | | |
| 61 | 10.72 | 33.45 | 236 | | 75 | 9.69 | 33.61 | | 25.93 | 208 | 0.20 | | |
| 71 | 9.99 | 33.54 | 217 | | 100 | 9.19 | 33.83 | | 26.20 | 183 | 0.25 | | |
| 81 | 9.48 | 33.67 | 200 | | 150 | 8.79 | 34.02 | | 26.41 | 163 | 0.34 | | |
| 91 | 9.28 | 33.75 | 190 | | 200 | 7.99 | 34.08 | | 26.58 | 147 | 0.42 | | |
| 101 | 9.18 | 33.84 | 182 | | 250 | 7.65 | 34.18 | | 26.69 | 136 | 0.49 | | |
| 126 | 8.98 | 33.89 | 175 | | 300 | 7.33 | 34.23 | | 26.79 | 126 | 0.56 | | |
| 156 | 8.71 | 34.04 | 160 | | 400 | 6.63 | 34.30 | | 26.93 | 113 | 0.68 | | |
| 205 | 7.92 | 34.09 | 146 | | 500 | 6.11 | 34.34 | | 27.04 | 103 | 0.79 | | |
| 263 | 7.60 | 34.19 | 134 | | 600 | 5.58 | 34.39 | | 27.14 | 93 | 0.90 | | |
| 365 | 6.84 | 34.28 | 117 | | | | | | | | | | |
| 483 | 6.20 | 34.33 | 105 | | | | | | | | | | |
| 608 | 5.49 | 34.39 | 92 | | | | | | | | | | |
| PAOLINA-T; February 15, 1955; 0445 GCT; 32°04'N, 120°38'W; sounding, 2100 fm; wind, 270°, force 2; weather, missing; sea, moderate; wire angle, 00°. | | | | | | | | | | | | | 90.70 |
| 0 | 13.6 | 33.32 | 298 | | 0 | 13.6 | 33.32 | | 24.99 | 298 | 0.00 | | |
| 10 | 13.48 | 33.28 | 298 | | 10 | 13.48 | 33.28 | | 24.98 | 298 | 0.03 | | |
| 25 | 13.46 | 33.46u | - | | 20 | 13.47 | 33.28 | | 24.99 | 298 | 0.06 | | |
| 50 | 13.25 | 33.31 | 291 | | 30 | 13.43 | 33.31 | | 25.02 | 295 | 0.09 | | |
| 60 | 13.33 | 33.30 | 292 | | 50 | 13.25 | 33.31 | | 25.06 | 291 | 0.15 | | |
| 70 | 13.34 | 33.33 | 291 | | 75 | 13.24 | 33.30 | | 25.04 | 293 | 0.22 | | |
| 80 | 13.11 | 33.22 | 297 | | 100 | 12.91 | 33.29 | | 25.11 | 286 | 0.29 | | |
| 100 | 12.91 | 33.29 | 286 | | 150 | 9.57 | 33.54 | | 25.91 | 210 | 0.42 | | |
| 124 | 10.84 | 33.27 | 251 | | 200 | 8.17 | 33.95 | | 26.45 | 159 | 0.51 | | |
| 154 | 9.40 | 33.58 | 206 | | 250 | 7.52 | 34.06 | | 26.63 | 142 | 0.59 | | |
| 203 | 8.16 | 33.96 | 158 | | 300 | 7.09 | 34.12 | | 26.74 | 132 | 0.66 | | |
| 271 | 7.31 | 34.09 | 137 | | 400 | 6.36 | 34.19 | | 26.89 | 118 | 0.79 | | |
| 374 | 6.50 | 34.18 | 120 | | 500 | 5.70 | 34.24 | | 27.02 | 105 | 0.91 | | |
| 503 | 5.64 | 34.25 | 104 | | 600 | 5.20 | 34.39 | | 27.19 | 89 | 1.01 | | |
| 684 | 4.97 | 34.43 | 84 | | 700 | 4.92 | 34.43 | | 27.26 | 82 | 1.10 | | |
| 906 | 4.19 | 34.47 | 72 | | 800 | 4.65 | 34.44 | | 27.30 | 79 | 1.19 | | |
| 1212 | 3.42 | 34.54 | 60 | | 1000 | 4.08 | 34.48 | | 27.39 | 70 | 1.35 | | |

| S10 CCOFI 5502 | OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|----------------------|----------|---------|--------|------------------------|---|--------------|---------|--------|------------------------|-----------------------|---|--------------|--|
| | Z m | T °C | S % | O ₂ ml/L | δ _T 10 ⁻⁵ cm ³ /g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δ _T 10 ⁻⁵ cm ³ /g | ΔD dyn. m | |

| | | | | | | | | | | | | | |
|-------|---|--------|---------|-----|-----|-------|-------|--|-------|-----|------|------|--|
| 93.27 | PAOLINA-T; February 13, 1955; 1916 GCT; 32°56'N, 117°19'W; sounding, 46 fm; wind, calm; weather, partly cloudy; sea, slight; wire angle, 00°. | | | | | | | | | | | | |
| | 0 | 13.40 | 33.42 | 286 | 0 | 13.40 | 33.42 | | 25.11 | 286 | 0.00 | | |
| | 10 | 13.04 | 33.42 | 280 | 10 | 13.04 | 33.42 | | 25.18 | 280 | 0.03 | | |
| | 15 | 12.82 | 33.37 | 279 | 20 | 12.79 | 33.38 | | 25.20 | 278 | 0.06 | | |
| | 20 | 12.79 | 33.38 | 278 | 30 | 12.51 | 33.30 | | 25.20 | 278 | 0.08 | | |
| | 25 | 12.64 | 33.33 | 279 | 50 | 11.57 | 33.40 | | 25.45 | 254 | 0.14 | | |
| | 30 | 12.51 | 33.30 | 278 | | | | | | | | 1698 | |
| | 35 | - | 33.39 | - | | | | | | | | 838 | |
| | 40 | 12.00 | 33.38 | 263 | | | | | | | | | |
| | 50 | 11.57 | 33.40 | 254 | | | | | | | | | |
| | 61 | 10.41 | 33.48 | 228 | | | | | | | | | |
| 93.30 | PAOLINA-T; February 13, 1955; 1606 GCT; 32°50.5'N, 117°31.5'W; sounding, 455 fm; wind, 360°, force 1; weather, clear; sea, slight; wire angle, 00°. | | | | | | | | | | | | |
| | 0 | 13.08 | 33.41 | 281 | 0 | 13.08 | 33.41 | | 25.17 | 281 | 0.00 | | |
| | 10 | 12.98 | 33.40 | 280 | 10 | 12.98 | 33.40 | | 25.18 | 280 | 0.03 | | |
| | 30 | 10.83 | 33.35 | 245 | 20 | 12.20 | 33.38 | | 25.32 | 267 | 0.06 | | |
| | 40 | 10.48 | 33.40 | 235 | 30 | 10.83 | 33.35 | | 25.54 | 245 | 0.08 | | |
| | 51 | 10.39 | 33.49 | 227 | 50 | 10.40 | 33.49 | | 25.73 | 227 | 0.13 | 68 | |
| | 61 | 9.70 | 33.51 | 215 | 75 | 9.35 | 33.60 | | 25.99 | 202 | 0.18 | | |
| | 71 | - | 33.57 | - | 100 | 9.20 | 33.75 | | 26.13 | 189 | 0.23 | | |
| | 80 | 9.30 | 33.62 | 200 | 150 | 9.38 | 34.09 | | 26.37 | 167 | 0.32 | | |
| | 90 | 9.19 | 33.68a) | 194 | 200 | 9.16 | 34.23 | | 26.52 | 152 | 0.40 | | |
| | 100 | 9.20 | 33.75 | 189 | 250 | 8.99 | 34.32 | | 26.61 | 144 | 0.48 | | |
| | 126 | 9.46 | 33.96 | 178 | 300 | 8.75 | 34.34 | | 26.67 | 138 | 0.55 | | |
| | 155 | 9.36 | 34.11 | 164 | 400 | 7.82 | 34.33 | | 26.80 | 126 | 0.69 | | |
| | 203 | 9.14 | 34.24 | 152 | 500 | 6.67 | 34.31 | | 26.94 | 112 | 0.81 | | |
| | 262 | 8.96 | 34.33 | 142 | 600 | 5.84 | 34.41 | | 27.14 | 94 | 0.92 | | |
| | 364 | 8.20 | 34.34 | 131 | | | | | | | | | |
| | 483 | 6.83 | 34.31 | 114 | | | | | | | | | |
| | 610 | 5.79 | 34.42 | 93 | | | | | | | | | |
| 93.40 | PAOLINA-T; February 13, 1955; 0911, 1022 GCT; 32°33.5'N, 118°08.5'W; sounding, 950 fm; wind, calm; weather, clear; sea, slight; wire angle, 00°, 03°. | | | | | | | | | | | | |
| | 0 | 13.23r | 33.49 | - | 0 | 13.9 | 33.49 | | 25.06 | 291 | 0.00 | | |
| | 10 | 13.74 | 33.48 | 288 | 10 | 13.74 | 33.48 | | 25.09 | 288 | 0.03 | | |
| | 31 | 12.85 | 33.52 | 268 | 20 | 13.28 | 33.49 | | 25.19 | 279 | 0.06 | | |
| | 41 | 12.84 | 33.54 | 267 | 30 | 12.86 | 33.52 | | 25.29 | 269 | 0.08 | | |
| | 51 | 11.66 | 33.57 | 243 | 50 | 11.80 | 33.57 | | 25.54 | 246 | 0.14 | 66 | |
| | 61 | 10.82 | 33.48 | 236 | 75 | 10.02 | 33.60 | | 25.87 | 214 | 0.19 | | |
| | 71 | 10.20 | 33.56 | 220 | 100 | 9.46 | 33.73 | | 26.07 | 195 | 0.24 | | |
| | 81 | 9.82 | 33.64 | 208 | 150 | 8.54 | 33.96 | | 26.40 | 164 | 0.34 | | |
| | 91 | 9.63 | 33.68b) | 201 | 200 | 8.78 | 34.20 | | 26.55 | 149 | 0.42 | | |
| | 101 | 9.46 | 33.74 | 194 | 250 | 8.68 | 34.35 | | 26.69 | 136 | 0.49 | | |
| | 126 | 9.02 | 33.94 | 172 | 300 | 8.34 | 34.38 | | 26.76 | 130 | 0.56 | | |
| | 155 | 8.49 | 33.97 | 162 | 400 | 7.40 | 34.36 | | 26.88 | 118 | 0.68 | | |
| | 202 | 8.77c) | 34.20 | 149 | 500 | 6.36 | 34.32 | | 26.99 | 108 | 0.80 | | |
| | | | | | 600 | 5.59 | 34.38 | | 27.14 | 94 | 0.91 | | |
| | 200 | 8.80c) | 34.21 | 149 | | | | | | | | | |
| | 265 | 8.60 | 34.37 | 134 | | | | | | | | | |
| | 367 | 7.74 | 34.38 | 122 | | | | | | | | | |
| | 485 | 6.46 | 34.32 | 109 | | | | | | | | | |
| | 610 | 5.49 | 34.39 | 92 | | | | | | | | | |

a) Alternate value, 33.71%, not used in interpolation.
 b) Alternate value, 33.72%, not used in interpolation.
 c) Curve drawn between the points.

| OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|----------|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-------------------|--|--------------|--|
| Z m | T °C | S % | O ₂ ml/L | δT_3 10^{-5} cm/g | Z m | T °C | S % | O ₂ ml/L | σ_t g/L | δT_3 10^{-5} cm/g | ΔD dyn. m | |

PAOLINA-T; February 13, 1955; 0238 GCT; 32°09.5'N, 118°50.5'W; sounding, 630 fm; wind, 340°, force 4; weather, partly cloudy; sea, moderate; wire angle, 10°.

93.50

| | | | | | | | | | | |
|-----|-------|-------|-----|-----|--------|---------|--|---------|------|--------|
| 0 | 13.47 | 33.38 | 290 | 0 | 13.47 | 33.38 | | 25.06 | 290 | 0.00 |
| 10 | 13.46 | 33.40 | 289 | 10 | 13.46 | 33.40 | | 25.08 | 289 | 0.03 |
| 30 | 13.24 | 33.37 | 287 | 20 | 13.34 | 33.39 | | 25.10 | 288 | 0.06 |
| 40 | 13.22 | 33.34 | 288 | 30 | 13.24 | 33.37 | | 25.10 | 287 | 0.09 |
| 50 | 13.09 | 33.37 | 284 | 50 | 13.09 | 33.37 | | 25.13 | 284 | 0.14 |
| 59 | 11.34 | 33.39 | 251 | 75 | 10.10 | 33.45 | | 25.75 | 226 | 0.21 |
| 69 | 10.29 | 33.42 | 231 | 100 | 9.32 | 33.75 | | 26.11 | 191 | 0.26 |
| 79 | 10.00 | 33.48 | 222 | 150 | 8.65 | 33.96 | | 26.38 | 165 | 0.35 |
| 89 | 9.74 | 33.64 | 206 | 200 | 8.00 | 34.12 | | 26.61 | 144 | 0.43 |
| 97 | 9.38 | 33.73 | 194 | 250 | 7.52 | 34.16 | | 26.71 | 134 | 0.50 |
| 121 | 9.10 | 33.80 | 184 | 300 | 7.13 | 34.19 | | 26.78 | 127 | 0.57 |
| 149 | 8.67 | 33.95 | 167 | 400 | 6.43 | 34.26 | | 26.93 | 113 | 0.69 |
| 195 | 8.06 | 34.12 | 145 | 500 | 5.98 | 34.33 | | 27.05 | 102 | 0.80 |
| 250 | 7.52 | 34.16 | 134 | 600 | (5.41) | (34.37) | | (27.15) | (92) | (0.91) |
| 350 | 6.74 | 34.23 | 119 | | | | | | | |
| 467 | 6.12 | 34.32 | 104 | | | | | | | |
| 590 | 5.52 | 34.37 | 94 | | | | | | | |

PAOLINA-T; February 12, 1955; 0148 GCT; 32°15'N, 117°08.5'W; sounding, 28 fm; wind, 360°, force 4; weather, partly cloudy; sea, moderate; wire angle, 04°.

97.30

| | | | | | | | | | | |
|----|-------|-------|-----|----|-------|-------|--|-------|-----|------|
| 0 | 13.36 | 33.39 | 288 | 0 | 13.36 | 33.39 | | 25.10 | 288 | 0.00 |
| 10 | 13.05 | 33.44 | 278 | 10 | 13.05 | 33.44 | | 25.20 | 278 | 0.03 |
| 15 | 13.00 | 33.37 | 282 | 20 | 12.75 | 33.37 | | 25.20 | 278 | 0.06 |
| 20 | 12.75 | 33.37 | 278 | 30 | 12.05 | 33.42 | | 25.38 | 261 | 0.08 |
| 26 | 12.27 | 33.37 | 269 | | | | | | | |
| 31 | 12.01 | 33.42 | 260 | | | | | | | |

PAOLINA-T; February 12, 1955; 0414 GCT; 32°11.5'N, 117°17'W; sounding, 750 fm; wind, 340°, force 4; weather, partly cloudy; sea, slight; wire angle, 05°.

97.32

| | | | | | | | | | | |
|-----|-------|-------|-----|-----|--------|---------|--|---------|-------|--------|
| 0 | 13.75 | 33.36 | 297 | 0 | 13.75 | 33.36 | | 24.99 | 297 | 0.00 |
| 10 | 13.34 | 33.36 | 290 | 10 | 13.34 | 33.36 | | 25.07 | 290 | 0.03 |
| 21 | 13.10 | 33.36 | 286 | 20 | 13.12 | 33.36 | | 25.12 | 286 | 0.06 |
| 41 | 11.85 | 33.34 | 264 | 30 | 12.53 | 33.35 | | 25.23 | 275 | 0.09 |
| 61 | 10.64 | 33.49 | 232 | 50 | 11.22 | 33.41 | | 25.52 | 247 | 0.14 |
| 80 | 10.15 | 33.56 | 218 | 75 | 10.26 | 33.54 | | 25.79 | 222 | 0.20 |
| 100 | 10.16 | 33.84 | 198 | 100 | 10.16 | 33.84 | | 26.04 | 198 | 0.25 |
| 120 | 9.86 | 33.95 | 185 | 150 | 9.45 | 34.00 | | 26.28 | 175 | 0.34 |
| 140 | 9.69 | 33.97 | 181 | 200 | 9.23 | 34.20 | | 26.48 | 156 | 0.43 |
| 159 | 9.25 | 34.04 | 169 | 250 | (8.33) | (34.18) | | (26.60) | (144) | (0.50) |
| 178 | 9.14 | 34.08 | 164 | | | | | | | |
| 197 | 9.24 | 34.18 | 158 | | | | | | | |
| 216 | 9.16 | 34.23 | 153 | | | | | | | |
| 225 | 9.01 | 34.24 | 150 | | | | | | | |
| 235 | 8.92 | 34.22 | 150 | | | | | | | |
| 245 | 8.50 | 34.19 | 146 | | | | | | | |

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| | OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|--|----------|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-------------------|--|----------------------|--|
| | Z m | T °C | S % | O ₂ ml/L | δT_3 10^{-5} cm/g | Z m | T °C | S % | O ₂ ml/L | σ_t g/L | δT_3 10^{-5} cm/g | ΔD dyn. m | |

97.32

PAOLINA-T; February 12, 1955; 0647 GCT; 32°11.5'N, 117°17'W; sounding, 750 fm; wind, 340°, force 4; weather, partly cloudy; sea, slight; wire angle, 04°.

| | | | | | | | | | |
|-----|-------|-------|-----|-----|-------|-------|-------|-----|------|
| 0 | 13.54 | 33.37 | 292 | 0 | 13.54 | 33.37 | 25.04 | 292 | 0.00 |
| 11 | 13.26 | 33.36 | 288 | 10 | 13.29 | 33.36 | 25.09 | 289 | 0.03 |
| 31 | 12.78 | 33.33 | 281 | 20 | 13.03 | 33.35 | 25.12 | 285 | 0.06 |
| 41 | 12.12 | 33.36 | 267 | 30 | 12.81 | 33.33 | 25.16 | 282 | 0.09 |
| 50 | 10.80 | 33.41 | 240 | 50 | 10.80 | 33.41 | 25.60 | 240 | 0.14 |
| 60 | 10.42 | 33.46 | 230 | 75 | 10.23 | 33.73 | 25.93 | 208 | 0.19 |
| 70 | 10.29 | 33.63 | 216 | 100 | 10.06 | 33.93 | 26.13 | 190 | 0.24 |
| 80 | 10.20 | 33.80 | 202 | 150 | 9.26 | 34.02 | 26.33 | 170 | 0.34 |
| 91 | 10.12 | 33.82 | 199 | 200 | 9.16 | 34.20 | 26.49 | 155 | 0.42 |
| 101 | 10.00 | 33.94 | 189 | 250 | 9.00 | 34.27 | 26.57 | 147 | 0.50 |
| 126 | 9.76 | 33.99 | 180 | 300 | 8.62 | 34.33 | 26.68 | 137 | 0.57 |
| 155 | 9.18 | 34.03 | 168 | 400 | 7.74 | 34.39 | 26.85 | 121 | 0.70 |
| 204 | 9.16 | 34.21 | 154 | 500 | 6.82 | 34.38 | 26.97 | 109 | 0.82 |
| 262 | 8.92 | 34.30 | 144 | 600 | 5.83 | 34.38 | 27.11 | 97 | 0.93 |
| 365 | 8.04 | 34.39 | 125 | | | | | | |
| 483 | 7.00 | 34.38 | 111 | | | | | | |
| 608 | 5.78 | 34.38 | 96 | | | | | | |

97.40

PAOLINA-T; February 12, 1955; 1241 GCT; 31°56'N, 117°51'W; sounding, 650 fm; wind, 340°, force 4; weather, cloudy; sea, moderate; wire angle, 00°.

| | | | | | | | | | |
|-----|-------|-------|-----|-----|-------|-------|-------|-----|------|
| 0 | 13.52 | 33.41 | 289 | 0 | 13.52 | 33.41 | 25.08 | 289 | 0.00 |
| 10 | 13.49 | 33.37 | 291 | 10 | 13.49 | 33.37 | 25.06 | 291 | 0.03 |
| 30 | 12.84 | 33.39 | 278 | 20 | 13.18 | 33.38 | 25.12 | 285 | 0.06 |
| 40 | 12.74 | 33.35 | 279 | 30 | 12.84 | 33.39 | 25.20 | 278 | 0.09 |
| 50 | 12.57 | 33.35 | 276 | 50 | 12.57 | 33.35 | 25.22 | 276 | 0.14 |
| 60 | 12.49 | 33.39 | 272 | 75 | 10.84 | 33.36 | 25.55 | 245 | 0.21 |
| 70 | 11.41 | 33.37 | 254 | 100 | 9.50 | 33.58 | 25.95 | 207 | 0.26 |
| 80 | 10.34 | 33.36 | 236 | 150 | 8.85 | 33.96 | 26.36 | 167 | 0.36 |
| 90 | 9.96 | 33.62 | 211 | 200 | 8.70 | 34.24 | 26.59 | 145 | 0.44 |
| 100 | 9.50 | 33.58 | 207 | 250 | 8.21 | 34.29 | 26.70 | 135 | 0.51 |
| 126 | 9.12 | 33.86 | 180 | 300 | 7.70 | 34.30 | 26.79 | 126 | 0.58 |
| 154 | 8.72 | 33.97 | 166 | 400 | 6.96 | 34.35 | 26.94 | 113 | 0.70 |
| 203 | 8.68 | 34.25 | 144 | 500 | 6.38 | 34.44 | 27.08 | 100 | 0.81 |
| 262 | 8.10 | 34.29 | 133 | 600 | 5.69 | 34.42 | 27.16 | 92 | 0.91 |
| 364 | 7.08 | 34.32 | 117 | | | | | | |
| 484 | 6.47 | 34.44 | 100 | | | | | | |
| 608 | 5.60 | 34.42 | 91 | | | | | | |

97.50

PAOLINA-T; February 12, 1955; 1859, 1943 GCT; 31°34'N, 118°25'W; sounding, 875 fm; wind, 320°, force 4; weather, partly cloudy; sea, slight; wire angle, 05°, 05°.

| | | | | | | | | | |
|-----|-------|---------|-----|-----|-------|-------|-------|-----|------|
| 0 | 14.30 | 33.36 | 308 | 0 | 14.30 | 33.36 | 24.88 | 308 | 0.00 |
| 10 | 14.22 | 33.29 | 312 | 10 | 14.22 | 33.29 | 24.84 | 312 | 0.03 |
| 30 | 14.14 | 33.30 | 309 | 20 | 14.18 | 33.30 | 24.86 | 310 | 0.06 |
| 40 | 14.14 | 33.27 | 311 | 30 | 14.14 | 33.30 | 24.87 | 309 | 0.09 |
| 51 | 14.10 | 33.29 | 309 | 50 | 14.12 | 33.29 | 24.87 | 309 | 0.16 |
| 61 | 13.64 | 33.26 | 302 | 75 | 12.40 | 33.22 | 25.15 | 282 | 0.23 |
| 71 | 12.63 | 33.22a) | 286 | 100 | 10.78 | 33.33 | 25.54 | 246 | 0.30 |
| 81 | 12.14 | 33.23 | 277 | 150 | 9.00 | 33.77 | 26.18 | 185 | 0.40 |
| 91 | 11.25 | 33.30 | 256 | 200 | 8.59 | 34.12 | 26.51 | 153 | 0.49 |
| 100 | 10.78 | 33.33 | 246 | 250 | 8.20 | 34.24 | 26.66 | 138 | 0.57 |
| 124 | 9.43 | 33.55 | 208 | 300 | 7.75 | 34.28 | 26.76 | 130 | 0.64 |
| 153 | 8.99 | 33.78 | 184 | 400 | 6.92 | 34.33 | 26.92 | 114 | 0.76 |
| 202 | 8.58 | 34.18 | 148 | 500 | 6.26 | 34.38 | 27.05 | 102 | 0.87 |
| | | | | 600 | 5.62 | 34.42 | 27.16 | 91 | 0.98 |
| 197 | 8.64 | 34.09 | 156 | | | | | | |
| 261 | 8.14 | 34.25 | 136 | | | | | | |
| 365 | 7.16 | 34.31 | 119 | | | | | | |
| 483 | 6.38 | 34.38b) | 104 | | | | | | |
| 608 | 5.59 | 34.42 | 91 | | | | | | |

a) Alternate value, 33.27%, not used in interpolation.

b) Alternate value, 34.45%, not used in interpolation.

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| OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|----------|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-----------------------|--|-------------|--|
| Z m | T °C | S ‰ | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm/g | Z m | T °C | S ‰ | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm/g | ΔD dyn.m | |

CREST; February 11, 1955; 0635, 0650 GCT; 31°42'N, 116°43.5'W; sounding, 100 fm; wind, 060°, force 3; weather, clear; sea, slight; wire angle, 04°, 03°.

100.29

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 12.77 | 33.40 | 6.86 | 276 | 0 | 12.77 | 33.40 | 6.86 | 25.22 | 276 | 0.00 |
| 10 | 12.64 | 33.33 | 7.02 | 279 | 10 | 12.64 | 33.33 | 7.02 | 25.19 | 279 | 0.03 |
| 15 | 12.46 | 33.33 | 6.64 | 275 | 20 | 12.26 | 33.27 | 5.62 | 25.22 | 276 | 0.06 |
| 20 | 12.26 | 33.27 | 5.62 | 276 | 30 | 12.08 | 33.30 | 5.25 | 25.27 | 271 | 0.08 |
| 25 | 12.14 | 33.28 | 5.34 | 273 | 50 | 11.27 | 33.34 | 4.04 | 25.45 | 254 | 0.14 |
| 30 | 12.08 | 33.30 | 5.25 | 271 | 75 | 10.36 | 33.66 | 3.40 | 25.86 | 214 | 0.19 |
| 35 | 11.96 | 33.31 | 5.11 | 267 | 100 | 10.05 | 33.78 | 2.86 | 26.01 | 200 | 0.25 |
| 45 | 11.55 | 33.31 | 4.36 | 260 | | | | | | | |
| 55 | 11.00 | 33.40 | 3.82 | 240 | | | | | | | |
| 65 | 10.66 | 33.55 | 3.54 | 228 | | | | | | | |
| 80 | 10.20 | 33.71 | 3.33 | 208 | | | | | | | |
| 101 | 10.04 | 33.78 | 2.85 | 200 | | | | | | | |
| 124 | 9.88 | 33.86 | 2.61 | 92 | | | | | | | |

CREST; February 11, 1955; 0816, 0830 GCT; 31°40.5'N, 116°47'W; sounding, 245 fm; wind, 060°, force 1; weather, clear; sea, moderate; wire angle, 02°, 03°.

100.30

| | | | | | | | | | | | |
|-----|-------|---------|-------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 12.8 | 33.33 | 6.90 | 282 | 0 | 12.8 | 33.33 | 6.90 | 25.16 | 282 | 0.00 |
| 10 | 12.90 | 33.32 | 6.72 | 284 | 10 | 12.90 | 33.32 | 6.72 | 25.13 | 284 | 0.03 |
| 15 | 12.84 | 33.30 | 6.57 | 285 | 20 | 12.82 | 33.32 | 6.80 | 25.15 | 282 | 0.06 |
| | | | | | 30 | 12.77 | 33.36 | 6.62 | 25.19 | 279 | 0.08 |
| 20 | 12.82 | 33.32 | 6.80 | 282 | 50 | 11.40 | 33.34 | 4.60 | 25.43 | 256 | 0.14 |
| 25 | 12.80 | 33.36 | 6.54 | 279 | 75 | 10.25 | 33.66 | 3.26 | 25.88 | 213 | 0.20 |
| 31 | 12.76 | 33.36 | 6.62 | 278 | 100 | 9.98 | 33.86 | 2.72 | 26.09 | 194 | 0.25 |
| 41 | 12.13 | 33.39 | 5.30 | 265 | 150 | 9.60 | 34.03 | 2.25 | 26.29 | 174 | 0.34 |
| 51 | 11.35 | 33.34 | 4.54 | 255 | 200 | 9.50 | 34.20 | 1.76 | 26.43 | 160 | 0.43 |
| 66 | 10.44 | 33.56 | 3.46 | 224 | 250 | 9.18 | 34.27 | 0.96 | 26.53 | 151 | 0.51 |
| 81 | 10.15 | 33.72a) | 3.03 | 207 | 300 | 8.68 | 34.30 | | 26.64 | 141 | 0.58 |
| 101 | 9.98 | 33.86a) | 2.71 | 194 | 400 | 7.82 | 34.33 | | 26.79 | 127 | 0.72 |
| 126 | 9.81 | 33.94 | 2.46 | 185 | | | | | | | |
| 166 | 9.46 | 34.10 | 2.14 | 168 | | | | | | | |
| 205 | 9.49 | 34.21 | 1.69 | 160 | | | | | | | |
| 253 | 9.15 | 34.27 | 0.94 | 150 | | | | | | | |
| 326 | 8.41 | 34.31 | 1.43u | 136 | | | | | | | |
| 406 | 7.78 | 34.33 | 0.82 | 126 | | | | | | | |

100.40

| | | | | | | | | | | | |
|------|-------|-------|-------|-----|-----|--------|---------|--------|---------|------|--------|
| 0 | 13.8 | 33.36 | 6.31 | 298 | 0 | 13.8 | 33.36 | 6.31 | 24.99 | 298 | 0.00 |
| 10 | 13.61 | 33.35 | 6.52 | 295 | 10 | 13.61 | 33.35 | 6.52 | 25.02 | 295 | 0.03 |
| 25 | 13.43 | 33.34 | 6.07 | 293 | 20 | 13.48 | 33.34 | 6.26 | 25.03 | 294 | 0.06 |
| 51 | 12.21 | 33.31 | 4.96 | 272 | 30 | 13.38 | 33.34 | 5.83 | 25.05 | 292 | 0.09 |
| 61 | 11.44 | 33.35 | 4.90 | 256 | 50 | 12.25 | 33.31 | 4.96 | 25.25 | 273 | 0.14 |
| 71 | 10.88 | 33.40 | 4.00 | 242 | 75 | 10.78 | 33.43 | 3.98 | 25.62 | 238 | 0.21 |
| 82 | 10.66 | 33.51 | 3.93 | 230 | 100 | 9.93 | 33.59 | 3.43 | 25.88 | 212 | 0.27 |
| 102 | 9.88 | 33.59 | 3.41 | 212 | 150 | 9.26 | 33.99 | 2.48 | 26.31 | 172 | 0.36 |
| 127 | 9.72 | 33.82 | 2.97 | 192 | 200 | 8.33 | 34.06 | 1.69 | 26.51 | 153 | 0.44 |
| 158 | 9.10 | 34.02 | 2.36 | 168 | 250 | 8.02 | 34.19 | 1.42 | 26.65 | 140 | 0.52 |
| 206 | 8.25 | 34.07 | 2.73r | 152 | 300 | 7.62 | 34.24 | 1.21 | 26.76 | 130 | 0.59 |
| 276 | 7.90 | 34.22 | 1.34 | 135 | 400 | 6.79 | 34.30 | 0.78 | 26.92 | 114 | 0.72 |
| 338p | 7.12 | 34.26 | 1.02 | 122 | 500 | 6.39 | 34.35 | 0.34 | 27.01 | 106 | 0.83 |
| 517p | 6.36 | 34.35 | 0.33 | 105 | 600 | (5.98) | (34.38) | (0.33) | (27.09) | (98) | (0.94) |
| 812p | 4.76 | 34.42 | 0.39 | 81 | 700 | (5.43) | (34.40) | (0.36) | (27.18) | (90) | (1.04) |
| | | | | | 800 | (4.83) | (34.42) | (0.39) | (27.26) | (82) | (1.13) |

17

a) Salinity samples at 81 and 101 meters appear to have been reversed; it is assumed they are in the order listed.

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| | OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|--|----------|---------|--------|------------------------|---|--------------|---------|--------|------------------------|-----------------------|---|--------------|--|
| | Z m | T °C | S % | O ₂ ml/L | δT 10 ⁻⁵ cm ³ /g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δT 10 ⁻⁵ cm ³ /g | ΔD dyn. m | |

100.50

CREST; February 11, 1955; 1913 GCT; 31°00'N, 118°07'W; sounding, 950 fm; wind, 320°, force 1; weather, partly cloudy; sea, slight; wire angle, 01°.

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 14.7 | 33.32 | 6.19 | 319 | 0 | 14.7 | 33.32 | 6.19 | 24.77 | 319 | 0.00 |
| 10 | 14.22 | 33.36 | 6.29 | 307 | 10 | 14.22 | 33.36 | 6.29 | 24.89 | 307 | 0.03 |
| 25 | 13.97 | 33.32 | 6.24 | 304 | 20 | 14.04 | 33.33 | 6.26 | 24.91 | 305 | 0.06 |
| 50 | 13.12 | 33.30 | 5.87 | 290 | 30 | 13.83 | 33.31 | 6.18 | 24.94 | 302 | 0.09 |
| 60 | 12.80 | 33.38 | 5.84 | 278 | 50 | 13.12 | 33.30 | 5.87 | 25.07 | 290 | 0.15 |
| 71 | 12.17 | 33.28 | 5.19 | 273 | 75 | 11.80 | 33.29 | 5.08 | 25.32 | 267 | 0.22 |
| 81 | 11.50 | 33.31 | 5.01 | 260 | 100 | 10.62 | 33.39 | 4.49 | 25.61 | 239 | 0.28 |
| 101 | 10.60 | 33.39 | 4.47 | 238 | 150 | 9.41 | 33.97 | 2.65 | 26.26 | 177 | 0.39 |
| 126 | 9.34 | 33.74 | 3.28 | 192 | 200 | 8.80 | 34.12 | 2.21 | 26.48 | 156 | 0.48 |
| 155 | 9.42 | 34.00 | 2.54 | 174 | 250 | 8.64 | 34.23 | 1.45 | 26.60 | 145 | 0.55 |
| 204 | 8.76 | 34.13 | 2.17 | 154 | 300 | 8.32 | 34.31 | 1.02 | 26.71 | 134 | 0.62 |
| 274 | 8.58 | 34.32 | 1.06 | 138 | 400 | 6.96 | 34.27 | 0.78 | 26.87 | 119 | 0.76 |
| 378 | 7.17 | 34.27 | 0.86 | 122 | 500 | 6.19 | 34.30 | 0.41 | 26.99 | 107 | 0.87 |
| 509 | 6.14 | 34.30 | 0.40 | 107 | 600 | 5.61 | 34.37 | 0.32 | 27.12 | 95 | 0.98 |
| 690 | 5.14 | 34.43 | 0.27 | 85 | 700 | 5.12 | 34.43 | 0.27 | 27.24 | 84 | 1.08 |
| 913 | 4.31 | 34.55 | 0.51 | 68 | 800 | 4.68 | 34.48 | 0.37 | 27.32 | 76 | 1.16 |

100.60

CREST; February 12, 1955; 0030 GCT; 30.40'N, 118°47'W; sounding, 1650 fm; wind, 320°, force 2; weather, fog; sea, slight; wire angle, 02°.

| | | | | | | | | | | | |
|------|-------|-------|------|-----|------|-------|-------|------|-------|-----|------|
| 0 | 14.7 | 33.40 | 6.05 | 313 | 0 | 14.7 | 33.40 | 6.05 | 24.83 | 313 | 0.00 |
| 10 | 14.20 | 33.39 | 6.18 | 304 | 10 | 14.20 | 33.39 | 6.18 | 24.92 | 304 | 0.03 |
| 25 | 13.88 | 33.36 | 6.16 | 300 | 20 | 13.97 | 33.36 | 6.17 | 24.95 | 301 | 0.06 |
| 51 | 13.56 | 33.37 | 6.06 | 293 | 30 | 13.82 | 33.36 | 6.14 | 24.98 | 298 | 0.09 |
| 61 | 13.18 | 33.39 | 5.83 | 284 | 50 | 13.57 | 33.37 | 6.07 | 25.04 | 293 | 0.15 |
| 71 | 12.02 | 33.28 | 5.08 | 271 | 75 | 11.60 | 33.29 | 4.84 | 25.35 | 263 | 0.22 |
| 82 | 11.16 | 33.33 | 4.56 | 252 | 100 | 10.40 | 33.48 | 3.99 | 25.72 | 228 | 0.28 |
| 102 | 10.36 | 33.49 | 3.96 | 227 | 150 | 8.94 | 33.85 | 3.20 | 26.25 | 178 | 0.38 |
| 127 | 9.62 | 33.71 | 3.47 | 199 | 200 | 8.33 | 34.03 | 2.66 | 26.48 | 156 | 0.47 |
| 157 | 8.78 | 33.88 | 3.13 | 173 | 250 | 7.74 | 34.08 | 2.04 | 26.61 | 144 | 0.55 |
| 208 | 8.24 | 34.04 | 2.60 | 153 | 300 | 7.12 | 34.13 | 1.45 | 26.73 | 132 | 0.62 |
| 277 | 7.40 | 34.11 | 1.68 | 137 | 400 | 6.46 | 34.22 | 0.91 | 26.89 | 117 | 0.75 |
| 379 | 6.57 | 34.19 | 1.00 | 120 | 500 | 6.10 | 34.44 | 0.33 | 27.12 | 96 | 0.86 |
| 509 | 6.02 | 34.45 | 0.29 | 94 | 600 | 5.60 | 34.45 | 0.29 | 27.19 | 89 | 0.96 |
| 691 | 5.10 | 34.45 | 0.39 | 83 | 700 | 5.05 | 34.45 | 0.40 | 27.25 | 83 | 1.05 |
| 914 | 4.20 | 34.50 | 0.51 | 70 | 800 | 4.60 | 34.47 | 0.46 | 27.32 | 76 | 1.13 |
| 1217 | 3.39 | 34.59 | 0.94 | 55 | 1000 | 3.96 | 34.53 | 0.63 | 27.44 | 65 | 1.29 |

100.70

CREST; February 12, 1955; 0616 GCT; 30°19'N, 119°26'W; sounding, 2100 fm; wind, 350°, force 2; weather, partly cloudy; sea, slight; wire angle, 08°.

| | | | | | | | | | | | |
|------|-------|-------|------|-----|------|-------|-------|------|-------|-----|------|
| 0 | 15.2 | 33.39 | 6.03 | 324 | 0 | 15.2 | 33.39 | 6.03 | 24.71 | 324 | 0.00 |
| 10 | 15.06 | 33.40 | 5.61 | 321 | 10 | 15.06 | 33.40 | 5.61 | 24.75 | 321 | 0.03 |
| 25 | 15.04 | 33.40 | 5.60 | 320 | 20 | 15.05 | 33.40 | 5.60 | 24.75 | 321 | 0.06 |
| 50 | 14.79 | 33.35 | 5.95 | 319 | 30 | 15.02 | 33.39 | 5.61 | 24.76 | 320 | 0.10 |
| 61 | 14.23 | 33.27 | 5.83 | 317 | 50 | 14.79 | 33.35 | 5.95 | 24.77 | 319 | 0.16 |
| 71 | 13.16 | 33.15 | 5.69 | 301 | 75 | 13.14 | 33.24 | 5.60 | 25.03 | 294 | 0.24 |
| 81 | 13.12 | 33.29 | 5.50 | 290 | 100 | 10.76 | 33.21 | 5.04 | 25.45 | 254 | 0.31 |
| 100 | 10.76 | 33.21 | 5.04 | 254 | 150 | 8.96 | 33.59 | 3.74 | 26.05 | 197 | 0.42 |
| 124 | 9.46 | 33.47 | 4.34 | 214 | 200 | 8.17 | 33.89 | 2.91 | 26.40 | 164 | 0.51 |
| 153 | 8.91 | 33.61 | 3.70 | 195 | 250 | 7.40 | 33.96 | 2.20 | 26.57 | 148 | 0.59 |
| 202 | 8.16 | 33.89 | 2.90 | 164 | 300 | 7.08 | 34.06 | 1.50 | 26.68 | 137 | 0.67 |
| 271 | 7.08 | 33.99 | 1.87 | 142 | 400 | 6.98 | 34.27 | 0.61 | 26.87 | 119 | 0.80 |
| 373 | 7.18 | 34.27 | 0.70 | 122 | 500 | 6.10 | 34.27 | 0.44 | 26.99 | 108 | 0.92 |
| 500 | 6.10 | 34.27 | 0.44 | 108 | 600 | 5.54 | 34.33 | 0.36 | 27.11 | 97 | 1.03 |
| 681 | 5.15 | 34.40 | 0.32 | 88 | 700 | 5.06 | 34.41 | 0.32 | 27.22 | 86 | 1.12 |
| 901 | 4.28 | 34.52 | 0.50 | 70 | 800 | 4.64 | 34.48 | 0.41 | 27.32 | 76 | 1.21 |
| 1202 | 3.43 | 34.53 | 0.94 | 60 | 1000 | 3.98 | 34.53 | 0.65 | 27.43 | 66 | 1.37 |

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| OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | | |
|----------|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-----------------------|--|--------------|--|--|
| Z m | T °C | S ‰ | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm/g | Z m | T °C | S ‰ | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm/g | ΔD dyn. m | | |

CREST; February 12, 1955; 1156 GCT; 29°59'N, 120°05'W; sounding, 2200 fm; wind, 010°, force 2; weather, clear; sea, slight; wire angle, 05°. 100.80

| | | | | | | | | | | | |
|------|-------|-------|------|-----|------|-------|-------|------|-------|-----|------|
| 0 | 14.3 | 33.30 | 7.55 | 312 | 0 | 14.3 | 33.30 | 7.55 | 24.84 | 312 | 0.00 |
| 10 | 14.22 | 33.27 | 6.03 | 313 | 10 | 14.22 | 33.27 | 6.03 | 24.83 | 313 | 0.03 |
| 25 | 13.99 | 33.23 | 6.00 | 311 | 20 | 14.04 | 33.24 | 6.01 | 24.84 | 312 | 0.06 |
| 50 | 13.74 | 33.24 | 5.88 | 306 | 30 | 13.95 | 33.23 | 5.98 | 24.85 | 311 | 0.09 |
| 61 | 13.49 | 33.26 | 5.92 | 300 | 50 | 13.74 | 33.24 | 5.88 | 24.90 | 306 | 0.16 |
| 72 | 12.53 | 33.19 | 5.77 | 287 | 75 | 12.34 | 33.19 | 5.72 | 25.13 | 284 | 0.23 |
| 82 | 12.12 | 33.18 | 5.66 | 280 | 100 | 10.81 | 33.17 | 5.17 | 25.41 | 258 | 0.30 |
| 101 | 10.78 | 33.17 | 5.17 | 257 | 150 | 9.27 | 33.47 | 4.14 | 25.90 | 211 | 0.42 |
| 125 | 10.22 | 33.22 | 4.87 | 244 | 200 | 8.46 | 33.94 | 2.91 | 26.39 | 164 | 0.51 |
| 155 | 9.11 | 33.55 | 3.99 | 203 | 250 | 7.97 | 34.00 | 2.87 | 26.52 | 153 | 0.59 |
| 202 | 8.44 | 33.94 | 2.90 | 164 | 300 | 7.53 | 34.09 | 2.30 | 26.65 | 140 | 0.67 |
| 269 | 7.78 | 34.02 | 2.85 | 149 | 400 | 6.81 | 34.26 | 0.76 | 26.88 | 118 | 0.80 |
| 371 | 7.02 | 34.24 | 0.90 | 122 | 500 | 6.08 | 34.34 | 0.39 | 27.04 | 103 | 0.92 |
| 496 | 6.11 | 34.34 | 0.40 | 103 | 600 | 5.52 | 34.42 | 0.33 | 27.18 | 90 | 1.02 |
| 675 | 5.18 | 34.45 | 0.33 | 84 | 700 | 5.07 | 34.46 | 0.33 | 27.26 | 82 | 1.11 |
| 902 | 4.36 | 34.51 | 0.47 | 71 | 800 | 4.68 | 34.49 | 0.38 | 27.32 | 76 | 1.20 |
| 1206 | 3.50 | 34.56 | 0.82 | 59 | 1000 | 4.06 | 34.53 | 0.58 | 27.43 | 66 | 1.36 |

CREST; February 13, 1955; 1619 GCT; 31°05'N, 116°25.5'W; sounding, 43 fm; wind, calm; weather, partly cloudy; sea, slight; wire angle, 00°. 103.30

| | | | | | | | | | | | |
|----|-------|---------|------|-----|----|-------|-------|------|-------|-----|------|
| 0 | 14.4 | 33.42 | 6.03 | 306 | 0 | 14.4 | 33.42 | 6.03 | 24.90 | 306 | 0.00 |
| 10 | 14.30 | 33.38 | 5.95 | 307 | 10 | 14.30 | 33.38 | 5.95 | 24.89 | 307 | 0.03 |
| 15 | 13.94 | 33.36 | 6.02 | 301 | 20 | 13.53 | 33.33 | 5.90 | 25.02 | 295 | 0.06 |
| 20 | 13.53 | 33.33 | 5.90 | 295 | 30 | 12.90 | 33.33 | 6.68 | 25.14 | 283 | 0.09 |
| 25 | 13.38 | 33.30 | 6.22 | 295 | 50 | 11.38 | 33.48 | 4.19 | 25.54 | 245 | 0.14 |
| 30 | 12.90 | 33.33 | 6.68 | 283 | | | | | | | 74 |
| 35 | 12.22 | 33.32 | 5.50 | 271 | | | | | | | 88 |
| 40 | 11.71 | 33.42 | 4.88 | 255 | | | | | | | |
| 50 | 11.38 | 33.48a) | 4.19 | 245 | | | | | | | |
| 60 | 10.97 | 33.57 | 3.42 | 231 | | | | | | | |

CREST; February 13, 1955; 1307 GCT; 30°57'N, 116°45.5'W; sounding, 1000 fm; wind, 350°, force 2; weather, clear; sea, slight; wire angle, 09°. 103.35

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|--------|---------|--------|---------|------|----------|
| 0 | 14.9 | 33.46 | 5.95 | 313 | 0 | 14.9 | 33.46 | 5.95 | 24.83 | 313 | 0.00 |
| 10 | 14.75 | 33.43 | 5.99 | 312 | 10 | 14.75 | 33.43 | 5.99 | 24.84 | 312 | 0.03 |
| 31 | 14.69 | 33.45 | 6.03 | 310 | 20 | 14.73 | 33.44 | 6.01 | 24.85 | 311 | 0.06 |
| 41 | 14.36 | 33.42 | 6.01 | 305 | 30 | 14.72 | 33.45 | 6.03 | 24.86 | 310 | 0.09 |
| 51 | 14.28 | 33.39 | 6.03 | 305 | 50 | 14.29 | 33.39 | 6.03 | 24.91 | 305 | 0.16- 73 |
| 61 | 14.08 | 33.36 | 5.93 | 304 | 75 | 12.26 | 33.31 | 5.17 | 25.24 | 273 | 0.23 |
| 71 | 12.87 | 33.30 | 5.47 | 285 | 100 | 10.95 | 33.48 | 4.00 | 25.62 | 238 | 0.29 |
| 81 | 11.49 | 33.34 | 4.76 | 257 | 150 | 8.96 | 33.81 | 3.38 | 26.22 | 181 | 0.40 |
| 90 | 11.38 | 33.48 | 4.25 | 245 | 200 | 8.47 | 34.02 | 2.55 | 26.46 | 158 | 0.48 |
| 99 | 11.01 | 33.48 | 4.02 | 239 | 250 | 8.21 | 34.16 | 1.63 | 26.60 | 145 | 0.56 |
| 124 | 9.62 | 33.62 | 3.77 | 206 | 300 | 7.87 | 34.22 | 1.23 | 26.70 | 135 | 0.64 |
| 152 | 8.92 | 33.82 | 3.37 | 180 | 400 | 7.12 | 34.29 | 0.75 | 26.86 | 120 | 0.77 |
| 199 | 8.49 | 34.02 | 2.62 | 158 | 500 | 6.39 | 34.34 | 0.45 | 27.00 | 107 | 0.89- |
| 256 | 8.19 | 34.17 | 1.59 | 143 | 600 | (5.79) | (34.36) | (0.37) | (27.10) | (97) | (0.99) |
| 356 | 7.46 | 34.26 | 0.93 | 126 | | | | | | | |
| 473 | 6.57 | 34.33 | 0.50 | 110 | | | | | | | |
| 595 | 5.81 | 34.36 | 0.37 | 97 | | | | | | | |

a) Loose bottle cap; value falls on property curve.

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| | OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|--|----------|---------|--------|------------------------|---|--------------|---------|--------|------------------------|-----------------------|---|--------------|--|
| | Z m | T °C | S % | O ₂ ml/L | δT 10 ⁻⁵ cm ³ /g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δT 10 ⁻⁵ cm ³ /g | ΔD dyn. m | |

103.40

CREST; February 13, 1955; 0921 GCT; 30°47.5'N, 117°06'W; sounding, 930 fm; wind, 340°, force 4; weather, clear; sea, moderate; wire angle, 06°.

| | | | | | | | | | | | |
|-----|-------|-------|-------|-----|-----|-------|-------|------|-------|-----|-----------|
| 0 | 15.2 | 33.42 | 5.88 | 322 | 0 | 15.2 | 33.42 | 5.88 | 24.73 | 322 | 0.00 |
| 10 | 15.12 | 33.43 | 6.03 | 320 | 10 | 15.12 | 33.43 | 6.03 | 24.76 | 320 | 0.03 |
| 30 | 14.97 | 33.46 | 6.82u | 314 | 20 | 15.04 | 33.45 | | 24.80 | 316 | 0.06 |
| 40 | 14.93 | 33.45 | 5.93 | 314 | 30 | 14.97 | 33.46 | | 24.82 | 314 | 0.10 |
| 50 | 14.92 | 33.44 | 5.85 | 315 | 50 | 14.92 | 33.44 | 5.85 | 24.81 | 315 | 0.16 - 72 |
| 60 | 14.88 | 33.46 | 5.73 | 313 | 75 | 12.20 | 33.33 | 4.80 | 25.27 | 271 | 0.23 |
| 70 | 13.06 | 33.34 | 5.08 | 286 | 100 | 10.40 | 33.40 | 4.20 | 25.65 | 234 | 0.30 |
| 80 | 11.58 | 33.32 | 4.58 | 260 | 150 | 8.70 | 33.80 | 3.30 | 26.25 | 178 | 0.40 |
| 90 | 11.12 | 33.36 | 4.39 | 249 | 200 | 8.32 | 34.04 | 2.59 | 26.50 | 154 | 0.48 |
| 100 | 10.40 | 33.40 | 4.20 | 234 | 250 | 8.02 | 34.18 | 1.53 | 26.65 | 140 | 0.56 |
| 125 | 9.33 | 33.58 | 3.76 | 204 | 300 | 7.52 | 34.20 | 1.30 | 26.74 | 131 | 0.63 |
| 155 | 8.60 | 33.86 | 3.22 | 172 | 400 | 6.66 | 34.25 | 0.78 | 26.89 | 117 | 0.76 |
| 204 | 8.30 | 34.05 | 2.53 | 154 | 500 | 6.17 | 34.31 | 0.40 | 27.00 | 106 | 0.88 - |
| 246 | 8.06 | 34.18 | 1.56 | 141 | 600 | 5.65 | 34.43 | 0.41 | 27.17 | 91 | 0.98 |
| 365 | 6.88 | 34.23 | 1.01 | 121 | | | | | | | |
| 483 | 6.22 | 34.30 | 0.40 | 108 | | | | | | | |
| 608 | 5.60 | 34.45 | 0.41 | 89 | | | | | | | |

103.50

CREST; February 13, 1955; 0340 GCT; 30°25.5'N, 117°45'W; sounding, 1550 fm; wind, 340°, force 3; weather, missing; sea, slight; wire angle, 08°.

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 14.7 | 33.38 | 5.98 | 315 | 0 | 14.7 | 33.38 | 5.98 | 24.81 | 315 | 0.00 |
| 10 | 14.52 | 33.40 | 6.03 | 310 | 10 | 14.52 | 33.40 | 6.03 | 24.86 | 310 | 0.03 |
| 30 | 14.05 | 33.37 | 5.96 | 302 | 20 | 14.27 | 33.39 | 6.02 | 24.90 | 306 | 0.06 |
| 40 | 13.98 | 33.39 | 5.90 | 300 | 30 | 14.05 | 33.37 | 5.96 | 24.94 | 302 | 0.09 |
| 51 | 13.96 | 33.38 | 5.77 | 300 | 50 | 13.98 | 33.38 | 5.81 | 24.97 | 300 | 0.15 |
| 61 | 11.29 | 33.24 | 4.65 | 261 | 75 | 10.70 | 33.25 | 4.45 | 25.49 | 250 | 0.22 |
| 71 | 10.79 | 33.19 | 4.62 | 256 | 100 | 10.08 | 33.48 | 3.92 | 25.77 | 224 | 0.28 |
| 81 | 10.58 | 33.33 | 4.26 | 243 | 150 | 8.64 | 33.83 | 3.10 | 26.28 | 175 | 0.38 |
| 92 | 10.20 | 33.47 | 4.04 | 226 | 200 | 8.06 | 33.94 | 2.69 | 26.45 | 159 | 0.47 |
| 102 | 10.05 | 33.48 | 3.88 | 223 | 250 | 7.50 | 33.98 | 2.15 | 26.56 | 148 | 0.54 |
| 125 | 9.24 | 33.75 | 3.37 | 190 | 300 | 7.22 | 34.09 | 1.82 | 26.69 | 136 | 0.62 |
| 155 | 8.54 | 33.84 | 3.03 | 173 | 400 | 6.67 | 34.27 | 0.62 | 26.90 | 116 | 0.75 |
| 203 | 8.03 | 33.94 | 2.64 | 158 | 500 | 5.95 | 34.32 | 0.33 | 27.05 | 102 | 0.86 |
| 262 | 7.38 | 34.00 | 2.03 | 145 | 600 | 5.24 | 34.35 | 0.32 | 27.15 | 92 | 0.97 |
| 366 | 6.95 | 34.24 | 0.75 | 121 | | | | | | | |
| 484 | 6.01 | 34.32 | 0.35 | 103 | | | | | | | |
| 608 | 5.18 | 34.35 | 0.31 | 91 | | | | | | | |

103.60 CREST; February 12, 1955; 2217 GCT; 30°06'N, 118°24'W; sounding, 1900 fm; wind, 350°, force 2; weather, partly cloudy; sea, moderate; wire angle, 09°.

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|--------|---------|--------|---------|------|--------|
| 0 | 14.8 | 33.43 | 6.03 | 313 | 0 | 14.8 | 33.43 | 6.03 | 24.83 | 313 | 0.00 |
| 10 | 14.34 | 33.38 | 6.00 | 308 | 10 | 14.34 | 33.38 | 6.00 | 24.89 | 308 | 0.03 |
| 30 | 14.04 | 33.34 | 6.00 | 305 | 20 | 14.18 | 33.36 | 6.00 | 24.90 | 306 | 0.06 |
| 40 | 13.93 | 33.34 | 5.81 | 302 | 30 | 14.04 | 33.34 | 6.00 | 24.92 | 305 | 0.09 |
| 50 | 13.94 | 33.35 | 5.84 | 302 | 50 | 13.94 | 33.35 | 5.84 | 24.95 | 302 | 0.15 |
| 59 | 13.69 | 33.31 | 5.67 | 300 | 75 | 11.00 | 33.31 | 4.42 | 25.49 | 250 | 0.22 |
| 69 | 11.32 | 33.26 | 4.62 | 260 | 100 | 9.50 | 33.54 | 3.68 | 25.91 | 210 | 0.28 |
| 79 | 10.86 | 33.35 | 4.33 | 246 | 150 | 8.62 | 33.86 | 2.90 | 26.31 | 172 | 0.38 |
| 89 | 10.50 | 33.41 | 4.17 | 235 | 200 | 7.92 | 33.98 | 2.76 | 26.50 | 154 | 0.46 |
| 99 | 9.55 | 33.53 | 3.70 | 211 | 250 | 7.60 | 34.03 | 2.38 | 26.59 | 146 | 0.54 |
| 122 | 8.96 | 33.70 | 3.24 | 189 | 300 | 7.20 | 34.10 | 1.73 | 26.70 | 135 | 0.61 |
| 150 | 8.62 | 33.86 | 2.90 | 172 | 400 | 6.26 | 34.19 | 0.70 | 26.90 | 116 | 0.74 |
| 198 | 7.94 | 33.98 | 2.78 | 154 | 500 | 5.61 | 34.25 | 0.59 | 27.03 | 104 | 0.86 |
| 254 | 7.57 | 34.04 | 2.36 | 144 | 600 | (5.43) | (34.41) | (0.89) | (27.18) | (90) | (0.96) |
| 353 | 6.70 | 34.17 | 0.98 | 124 | | | | | | | |
| 468 | 5.77 | 34.23 | 0.45 | 107 | | | | | | | |
| 589 | 5.46 | 34.38 | 0.85 | 92 | | | | | | | |

| OBSERVED | | | | | INTERPOLATED | | | | COMPUTED | | |
|----------|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-----------------------|--|--------------|
| Z m | T °C | S ‰ | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm/g | Z m | T °C | S ‰ | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm/g | ΔD dyn. m |

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CREST; February 13, 1955; 2115 GCT; 30°26'N, 116°11.5'W; sounding, 360 fm; wind, 350°, force 1; weather, fog; sea, slight; wire angle, 07°.

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|--------|---------|--------|---------|-------|--------|
| 0 | 14.46 | 33.38 | 6.27 | 310 | 0 | 14.46 | 33.38 | 6.27 | 24.86 | 310 | 0.00 |
| 10 | 13.90 | 33.36 | 6.53 | 300 | 10 | 13.90 | 33.36 | 6.53 | 24.96 | 300 | 0.03 |
| 15 | 13.54 | 33.30 | 6.64 | 298 | 20 | 13.02 | 33.32 | 6.34 | 25.11 | 286 | 0.06 |
| 20 | 13.02 | 33.32 | 6.34 | 286 | 30 | 12.02 | 33.31 | 5.22 | 25.29 | 269 | 0.09 |
| 25 | 12.29 | 33.34 | 5.46 | 272 | 50 | 11.02 | 33.38 | 4.49 | 25.53 | 246 | 0.14 |
| 30 | 12.02 | 33.31 | 5.22 | 269 | 75 | 10.38 | 33.42 | 4.08 | 25.68 | 232 | 0.20 |
| 35 | 11.62 | 33.32 | 4.92 | 261 | 100 | 10.09 | 33.75 | 3.10 | 25.98 | 204 | 0.25 |
| 45 | 11.25 | 33.36 | 4.69 | 251 | 150 | 9.76 | 34.12 | 2.03 | 26.33 | 170 | 0.35 |
| 55 | 10.84 | 33.40 | 4.34 | 242 | 200 | 10.03 | 34.37 | 1.03 | 26.48 | 156 | 0.43 |
| 70 | 10.50 | 33.41 | 4.27 | 235 | 250 | (9.69) | (34.44) | (0.77) | (26.59) | (146) | (0.51) |
| 85 | 10.15 | 33.60 | 3.63 | 216 | | | | | | | 35 |
| 105 | 10.06 | 33.77 | 3.02 | 202 | | | | | | | 22 |
| 133 | 9.28 | 33.88 | 2.99 | 181 | | | | | | | |
| 166 | 10.20 | 34.32 | 1.16 | 163 | | | | | | | |
| 199 | 10.03 | 34.37 | 1.04 | 156 | | | | | | | |
| 249 | 9.70 | 34.44 | 0.77 | 146 | | | | | | | |

107.32

CREST; February 13, 1955; 2336 GCT; 30°20'N, 116°23'W; sounding, 1000 fm; wind, 360°, force 3; weather, missing; sea, moderate; wire angle, 06°.

| | | | | | | | | | | | |
|-----|-------|-------|-------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 15.4 | 33.58 | 5.81 | 315 | 0 | 15.4 | 33.58 | 5.81 | 24.81 | 315 | 0.00 |
| 10 | 14.93 | 33.34 | 5.89 | 322 | 10 | 14.93 | 33.34 | 5.89 | 24.73 | 322 | 0.03 |
| 30 | 14.80 | 33.32 | 5.87 | 322 | 20 | 14.86 | 33.32 | 5.88 | 24.73 | 322 | 0.06 |
| 40 | 14.54 | 33.33 | 6.11 | 315 | 30 | 14.80 | 33.32 | 5.87 | 24.74 | 322 | 0.10 |
| 50 | 14.01 | 33.33 | 6.25 | 305 | 50 | 14.01 | 33.33 | 6.25 | 24.91 | 305 | 0.16 |
| 60 | 13.26 | 33.30 | 6.23 | 302 | 75 | 13.00 | 33.30 | 6.15 | 25.09 | 288 | 0.23 |
| 70 | 13.28 | 33.26 | 6.17 | 296 | 100 | 10.40 | 33.40 | 4.20 | 25.65 | 234 | 0.30 |
| 81 | 12.63 | 33.38 | 6.11 | 275 | 150 | 10.48 | 34.00 | 2.15 | 26.11 | 191 | 0.41 |
| 91 | 11.38 | 33.30 | 4.65 | 258 | 200 | 10.20 | 34.27 | 1.51 | 26.37 | 167 | 0.50 |
| 101 | 10.39 | 33.40 | 4.19 | 234 | 250 | 9.45 | 34.33 | 0.95 | 26.54 | 150 | 0.58 |
| 126 | 10.19 | 33.68 | 2.04u | 210 | 300 | 8.78 | 34.33 | 0.82 | 26.65 | 140 | 0.66 |
| 155 | 10.50 | 34.03 | 2.04 | 190 | 400 | 7.56 | 34.30 | 0.65 | 26.80 | 125 | 0.79 |
| 204 | 10.16 | 34.28 | 1.45 | 165 | 500 | 6.52 | 34.28 | 0.44 | 26.93 | 113 | 0.92 |
| 263 | 9.26 | 34.33 | 0.87 | 147 | 600 | 5.87 | 34.36 | 0.39 | 27.09 | 98 | 1.03 |
| 365 | 8.00 | 34.31 | 0.73 | 130 | | | | | | | |
| 483 | 6.67 | 34.28 | 0.48 | 115 | | | | | | | |
| 608 | 5.82 | 34.37 | 0.39 | 97 | | | | | | | |

107.35

CREST; February 14, 1955; 0245 GCT; 30°10'N, 116°43.5'W; sounding, 1540 fm; wind, 020°, force 2; weather, fog; sea, slight; wire angle, 04°.

| | | | | | | | | | | | |
|------|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 14.9 | 33.38 | 6.30 | 319 | 0 | 14.9 | 33.38 | 6.30 | 24.77 | 319 | 0.00 |
| 10 | 14.89 | 33.38 | 5.92 | 318 | 10 | 14.89 | 33.38 | 5.92 | 24.78 | 318 | 0.03 |
| 30 | 14.43 | 33.32 | 5.97 | 314 | 20 | 14.65 | 33.35 | 5.96 | 24.80 | 316 | 0.06 |
| 40 | 14.32 | 33.32 | 5.96 | 311 | 30 | 14.43 | 33.32 | 5.97 | 24.82 | 314 | 0.10 |
| 51 | 14.24 | 33.34 | 5.93 | 309 | 50 | 14.24 | 33.34 | 5.93 | 24.87 | 309 | 0.16 |
| 61 | 14.14 | 33.30 | 5.89 | 309 | 75 | 13.12 | 33.36 | 5.49 | 25.12 | 286 | 0.23 |
| 71 | 13.69 | 33.40 | 5.65 | 293 | 100 | 10.58 | 33.24 | 4.54 | 25.50 | 249 | 0.30 |
| 81 | 12.03 | 33.22 | 5.17 | 276 | 150 | 9.10 | 33.72 | 3.48 | 26.12 | 190 | 0.41 |
| 91 | 11.26 | 33.18 | 4.90 | 265 | 200 | 9.97 | 34.25 | 1.17 | 26.39 | 165 | 0.50 |
| 102 | 10.44 | 33.26 | 4.44 | 246 | 250 | 9.06 | 34.31 | 1.09 | 26.59 | 146 | 0.58 |
| 126 | 9.48 | 33.56 | 3.62 | 208 | 300 | 8.54 | 34.39 | 0.62 | 26.74 | 132 | 0.65 |
| 155 | 9.07 | 33.75 | 3.46 | 187 | | | | | | | |
| 203 | 10.02 | 34.30 | 1.08 | 162 | | | | | | | |
| 261 | 8.87 | 34.31 | 1.10 | 143 | | | | | | | |
| 287p | 8.67 | 34.40 | 0.63 | 133 | | | | | | | |
| 365 | 7.80 | 34.31 | 0.70 | 128 | | | | | | | |

107.40

255
905

SIO

CCOFI
5502

| | OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|--|----------|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-----------------------|--|--------------|--|
| | Z m | T °C | S ‰ | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm/g | Z m | T °C | S ‰ | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm/g | ΔD dyn. m | |

107.50

CREST; February 14, 1955; 0807 GCT; 29°49'N, 117°24'W; sounding, 1410 fm; wind, 040°, force 1; weather, partly cloudy; sea, smooth; wire angle, 03°.

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 15.3 | 33.36 | 5.85 | 329 | 0 | 15.3 | 33.36 | 5.85 | 24.66 | 329 | 0.00 |
| 10 | 15.02 | 33.26 | 5.83 | 330 | 10 | 15.02 | 33.26 | 5.83 | 24.65 | 330 | 0.03 |
| 30 | 14.50 | 33.24 | 6.00 | 321 | 20 | 14.72 | 33.24 | 5.93 | 24.70 | 325 | 0.07 |
| 40 | 14.38 | 33.22 | 5.92 | 320 | 30 | 14.50 | 33.24 | 6.00 | 24.74 | 321 | 0.10 |
| 51 | 14.20 | 33.25 | 5.93 | 314 | 50 | 14.22 | 33.25 | 5.93 | 24.82 | 314 | 0.16 |
| 61 | 14.16 | 33.28 | 5.83 | 311 | 75 | 13.37 | 33.22 | 5.74 | 24.96 | 300 | 0.24 |
| 70 | 13.86 | 33.28 | 5.84 | 305 | 100 | 10.80 | 33.18 | 4.98 | 25.42 | 257 | 0.31 |
| 81 | 12.64 | 33.13 | 5.59 | 294 | 150 | 8.97 | 33.67 | 3.59 | 26.11 | 191 | 0.42 |
| 91 | 11.39 | 33.11 | 5.40 | 272 | 200 | 8.39 | 34.03 | 2.50 | 26.47 | 157 | 0.51 |
| 100 | 10.80 | 33.18 | 4.98 | 257 | 250 | 7.72 | 34.05 | 2.24 | 26.59 | 146 | 0.59 |
| 124 | 9.84 | 33.47 | 3.97 | 220 | 300 | 7.38 | 34.11 | 1.68 | 26.69 | 136 | 0.66 |
| 154 | 8.89 | 33.69 | 3.55 | 189 | 400 | 6.71 | 34.26 | 0.75 | 26.89 | 117 | 0.79 |
| 197 | 8.42 | 34.02 | 2.55 | 158 | 500 | 5.99 | 34.35 | 0.38 | 27.06 | 101 | 0.91 |
| 267 | 7.59 | 34.06 | 2.18 | 144 | 600 | 5.52 | 34.37 | 0.25 | 27.13 | 94 | 1.01 |
| 364 | 7.00 | 34.21 | 0.94 | 124 | | | | | | | |
| 482 | 6.10 | 34.34 | 0.41 | 103 | | | | | | | |
| 606 | 5.50 | 34.37 | 0.24 | 94 | | | | | | | |

107.60

CREST; February 14, 1955; 1312 GCT; 29°29'N, 118°03'W; sounding, 2050 fm; wind, 100°, force 2; weather, missing; sea, slight; wire angle, 00°.

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 14.8 | 33.30 | 6.03 | 323 | 0 | 14.8 | 33.30 | 6.03 | 24.72 | 323 | 0.00 |
| 10 | 14.71 | 33.30 | 5.88 | 321 | 10 | 14.71 | 33.30 | 5.88 | 24.74 | 321 | 0.03 |
| 30 | 14.43 | 33.22 | 5.97 | 321 | 20 | 14.59 | 33.26 | 5.93 | 24.74 | 321 | 0.06 |
| 40 | 14.34 | 33.23 | 5.96 | 318 | 30 | 14.43 | 33.22 | 5.97 | 24.74 | 321 | 0.10 |
| 50 | 14.28 | 33.26 | 5.88 | 315 | 50 | 14.28 | 33.26 | 5.88 | 24.81 | 315 | 0.16 |
| 61 | 14.22 | 33.23 | 5.71 | 316 | 75 | 14.32 | 33.30 | 5.84 | 24.83 | 313 | 0.24 |
| 71 | 14.36 | 33.30 | 5.86 | 313 | 100 | 10.80 | 33.20 | 5.04 | 25.43 | 256 | 0.31 |
| 81 | 13.64 | 33.22 | 5.74 | 306 | 150 | 9.31 | 33.70 | 3.61 | 26.07 | 195 | 0.42 |
| 91 | 11.80 | 33.14 | 5.46 | 277 | 200 | 8.80 | 33.96 | 2.54 | 26.36 | 167 | 0.52 |
| 101 | 10.69 | 33.21 | 4.99 | 253 | 250 | 8.39 | 34.15 | 1.90 | 26.57 | 147 | 0.60 |
| 126 | 9.54 | 33.44 | 4.18 | 218 | 300 | 7.98 | 34.20 | 1.47 | 26.66 | 138 | 0.67 |
| 157 | 9.24 | 33.73 | 3.46 | 192 | 400 | 7.14 | 34.25 | 0.81 | 26.83 | 123 | 0.81 |
| 205 | 8.74 | 33.98 | 2.45 | 165 | 500 | 6.28 | 34.31 | 0.45 | 26.99 | 108 | 0.93 |
| 264 | 8.28 | 34.17 | 1.76 | 145 | 600 | 5.47 | 34.33 | 0.34 | 27.11 | 96 | 1.04 |
| 366 | 7.42 | 34.23 | 0.96 | 128 | | | | | | | |
| 484 | 6.42 | 34.30 | 0.48 | 110 | | | | | | | |
| 610 | 5.40 | 34.33 | 0.33 | 95 | | | | | | | |

107.60

CREST; February 14, 1955; 1437 GCT; 29°29'N, 118°03'W; sounding, 2050 fm; wind, 100°, force 2; weather, cloudy; sea, slight; wire angle, 00°.

| | | | | | | | | | | | |
|-----|-------|--|--|-----|-------|--|--|--|--|--|--|
| 0 | 14.7 | | | 0 | 14.7 | | | | | | |
| 10 | 14.69 | | | 10 | 14.69 | | | | | | |
| 30 | 14.44 | | | 20 | 14.59 | | | | | | |
| 45 | 14.32 | | | 30 | 14.44 | | | | | | |
| 60 | 14.24 | | | 50 | 14.29 | | | | | | |
| 80 | 13.45 | | | 75 | 13.78 | | | | | | |
| 101 | 11.12 | | | 100 | 11.24 | | | | | | |
| 126 | 9.80 | | | 150 | 9.26 | | | | | | |
| 141 | 9.26 | | | 200 | 8.82 | | | | | | |
| 155 | 9.26 | | | 250 | 8.24 | | | | | | |
| 170 | 9.24 | | | | | | | | | | |
| 184 | 9.01 | | | | | | | | | | |
| 199 | 8.82 | | | | | | | | | | |
| 214 | 8.72 | | | | | | | | | | |
| 228 | 8.35 | | | | | | | | | | |
| 243 | 8.28 | | | | | | | | | | |
| 252 | 8.23 | | | | | | | | | | |

| OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|----------|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-----------------------|--|--------------|--|
| Z m | T °C | S ‰ | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm/g | Z m | T °C | S ‰ | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm/g | ΔD dyn. m | |

CREST; February 16, 1955; 0541 GCT; 29°50.5'N, 115°53'W; sounding, 50 fm; wind, 340°, force 4; weather, clear; sea, rough; wire angle, 09°.

| | | | | | | | | | | | |
|----|-------|-------|------|-----|----|---------|---------|--------|---------|-------|--------|
| 0 | 14.5 | 33.33 | 6.07 | 314 | 0 | 14.5 | 33.33 | 6.07 | 24.82 | 314 | 0.00 |
| 10 | 14.13 | 33.38 | 6.14 | 303 | 10 | 14.13 | 33.38 | 6.14 | 24.93 | 303 | 0.03 |
| 15 | 13.73 | 33.30 | 6.34 | 301 | 20 | 13.64 | 33.30 | 6.10 | 24.97 | 300 | 0.06 |
| 20 | 13.64 | 33.30 | 6.10 | 300 | 30 | 13.28 | 33.37 | 5.87 | 25.09 | 288 | 0.09 |
| 25 | 13.48 | 33.36 | 6.07 | 292 | 50 | 11.80 | 33.32 | 4.65 | 25.34 | 264 | 0.15 |
| 30 | 13.28 | 33.37 | 5.87 | 288 | 75 | (10.97) | (33.37) | (3.89) | (25.54) | (246) | (0.21) |
| 35 | 13.04 | 33.37 | 5.69 | 283 | | | | | | | |
| 45 | 12.09 | 33.31 | 4.97 | 270 | | | | | | | |
| 55 | 11.60 | 33.35 | 4.46 | 255 | | | | | | | |
| 70 | 11.10 | 33.37 | 4.00 | 248 | | | | | | | |

CREST; February 16, 1955; 0357 GCT; 29°46'N, 116°00'W; sounding, 650 fm; wind, 350°, force 4; weather, clear; sea, rough; wire angle, 09°.

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 15.1 | 33.41 | 5.70 | 321 | 0 | 15.1 | 33.41 | 5.70 | 24.74 | 321 | 0.00 |
| 10 | 14.94 | 33.40 | 5.75 | 318 | 10 | 14.94 | 33.40 | 5.75 | 24.77 | 318 | 0.03 |
| 30 | 12.62 | 33.26 | 5.37 | 284 | 20 | 13.81 | 33.31 | 5.67 | 24.95 | 302 | 0.06 |
| 40 | 11.50 | 33.31 | 4.47 | 260 | 30 | 12.62 | 33.26 | 5.37 | 25.14 | 284 | 0.09 |
| 51 | 10.87 | 33.45 | 3.81 | 238 | 50 | 10.91 | 33.44 | 3.86 | 25.60 | 240 | 0.14 |
| 61 | 10.69 | 33.54 | 3.38 | 229 | 75 | 10.56 | 33.71 | 3.02 | 25.87 | 214 | 0.20 |
| 71 | 10.58 | 33.68 | 3.10 | 216 | 100 | 10.59 | 33.84 | 2.42 | 25.96 | 205 | 0.26 |
| 81 | 10.55 | 33.74 | 2.95 | 212 | 150 | 10.49 | 34.16 | 1.53 | 26.23 | 180 | 0.35 |
| 91 | 10.55 | 33.76 | 2.79 | 210 | 200 | 10.22 | 34.34 | 0.96 | 26.42 | 162 | 0.44 |
| 102 | 10.60 | 33.85 | 2.37 | 204 | 250 | 9.75 | 34.43 | 0.75 | 26.57 | 148 | 0.52 |
| 125 | 10.56 | 34.01 | 2.00 | 192 | 300 | 9.47 | 34.43 | 0.60 | 26.62 | 143 | 0.59 |
| 155 | 10.48 | 34.18 | 1.42 | 178 | 400 | 8.37 | 34.43 | 0.45 | 26.80 | 126 | 0.73 |
| 202 | 10.21 | 34.34 | 0.95 | 162 | 500 | 6.86 | 34.44 | 0.29 | 27.02 | 105 | 0.85 |
| 259 | 9.68 | 34.43 | 0.71 | 146 | 600 | 6.24 | 34.41 | 0.22 | 27.07 | 100 | 0.96 |
| 361 | 9.05 | 34.42 | 0.52 | 137 | | | | | | | |
| 478 | 7.05 | 34.45 | 0.32 | 107 | | | | | | | |
| 602 | 6.23 | 34.41 | 0.22 | 100 | | | | | | | |

CREST; February 16, 1955; 0020 GCT; 29°36.5'N, 116°19.5'W; sounding, 1380 fm; wind, 320°, force 4; weather, cloudy; sea, rough; wire angle, 18°.

| | | | | | | | | | | | |
|------|-------|-------|------|-----|------|-------|-------|------|-------|-----|------|
| 0 | 15.4 | 33.41 | 5.86 | 327 | 0 | 15.4 | 33.41 | 5.86 | 24.68 | 327 | 0.00 |
| 10 | 15.20 | 33.40 | 5.81 | 324 | 10 | 15.20 | 33.40 | 5.81 | 24.72 | 324 | 0.03 |
| 25 | 15.10 | 33.36 | 5.77 | 325 | 20 | 15.12 | 33.37 | 5.78 | 24.70 | 325 | 0.06 |
| 50 | 14.83 | 33.46 | 5.71 | 312 | 30 | 15.08 | 33.36 | 5.75 | 24.72 | 324 | 0.10 |
| 59 | 14.02 | 33.31 | 5.87 | 306 | 50 | 14.83 | 33.46 | 5.71 | 24.84 | 312 | 0.16 |
| 69 | 13.49 | 33.26 | 5.70 | 300 | 75 | 12.66 | 33.25 | 5.12 | 25.12 | 285 | 0.24 |
| 79 | 11.78 | 33.25 | 4.74 | 269 | 100 | 10.96 | 33.50 | 3.56 | 25.63 | 236 | 0.30 |
| 98 | 10.94 | 33.48 | 3.64 | 237 | 150 | 10.31 | 33.96 | 2.29 | 26.10 | 192 | 0.41 |
| 123 | 10.81 | 33.73 | 2.45 | 217 | 200 | 9.82 | 34.18 | 1.94 | 26.36 | 168 | 0.50 |
| 152 | 10.29 | 33.97 | 2.28 | 190 | 250 | 9.28 | 34.29 | 1.00 | 26.54 | 150 | 0.58 |
| 197 | 9.88 | 34.17 | 1.99 | 169 | 300 | 8.91 | 34.33 | 0.78 | 26.63 | 142 | 0.66 |
| 260 | 9.20 | 34.31 | 0.89 | 148 | 400 | 7.97 | 34.34 | 0.54 | 26.78 | 127 | 0.80 |
| 355 | 8.52 | 34.34 | 0.68 | 135 | 500 | 6.85 | 34.34 | 0.27 | 26.94 | 112 | 0.92 |
| 473 | 7.12 | 34.34 | 0.29 | 116 | 600 | 6.02 | 34.35 | 0.24 | 27.06 | 101 | 1.04 |
| 643 | 5.75 | 34.36 | 0.24 | 97 | 700 | 5.43 | 34.38 | 0.25 | 27.16 | 92 | 1.14 |
| 855 | 4.73 | 34.46 | 0.31 | 78 | 800 | 4.98 | 34.44 | 0.28 | 27.26 | 82 | 1.23 |
| 1153 | 3.72 | 34.54 | 0.64 | 62 | 1000 | 4.21 | 34.50 | 0.45 | 27.39 | 70 | 1.40 |

| | OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|--|----------|---------|--------|------------------------|---|--------------|---------|--------|------------------------|-------------------|---|--------------|--|
| | Z m | T °C | S % | O ₂ ml/L | δT $10^{-5} \text{ cm}^3/\text{g}$ | Z m | T °C | S % | O ₂ ml/L | σ_t g/L | δT $10^{-5} \text{ cm}^3/\text{g}$ | ΔD dyn. m | |

IIO.50 CREST; February 15, 1955; 1841 GCT; 29°18'N, 117°00'W; sounding, 1575 fm; wind, 340°, force 3; weather, cloudy; sea, rough; wire angle, 02°.

| | | | | | | | | | | | |
|------|-------|-------|------|-----|------|-------|-------|------|-------|-----|------|
| 0 | 15.7 | 33.35 | 5.76 | 338 | 0 | 15.7 | 33.35 | 5.76 | 24.57 | 338 | 0.00 |
| 9 | 15.43 | 33.40 | 5.65 | 328 | 10 | 15.43 | 33.40 | 5.65 | 24.67 | 328 | 0.03 |
| 26 | 15.43 | 33.44 | 5.65 | 326 | 20 | 15.43 | 33.43 | 5.65 | 24.69 | 326 | 0.07 |
| 56 | 15.20 | 33.45 | 5.71 | 320 | 30 | 15.41 | 33.45 | 5.66 | 24.70 | 325 | 0.10 |
| 66 | 15.14 | 33.41 | 5.70 | 322 | 50 | 15.24 | 33.45 | 5.70 | 24.74 | 321 | 0.16 |
| 76 | 15.06 | 33.41 | 5.60 | 320 | 75 | 15.07 | 33.41 | 5.62 | 24.75 | 320 | 0.24 |
| 91 | 13.23 | 33.29 | 5.10 | 293 | 100 | 12.34 | 33.34 | 4.42 | 25.26 | 272 | 0.32 |
| 112 | 11.60 | 33.48 | 3.60 | 249 | 150 | 11.19 | 33.87 | 2.07 | 25.88 | 213 | 0.44 |
| 137 | 11.31 | 33.80 | 2.28 | 220 | 200 | 10.52 | 34.14 | 1.56 | 26.21 | 181 | 0.54 |
| 168 | 11.00 | 33.96 | 1.85 | 203 | 250 | 9.76 | 34.26 | 1.26 | 26.44 | 160 | 0.63 |
| 221 | 10.17 | 34.22 | 1.41 | 170 | 300 | 9.12 | 34.29 | 1.03 | 26.56 | 148 | 0.71 |
| 300 | 9.12 | 34.29 | 1.03 | 148 | 400 | 8.03 | 34.33 | 0.59 | 26.76 | 129 | 0.85 |
| 409 | 7.94 | 34.33 | 0.55 | 128 | 500 | 7.04 | 34.35 | 0.32 | 26.92 | 114 | 0.98 |
| 552 | 6.52 | 34.36 | 0.25 | 107 | 600 | 6.19 | 34.37 | 0.24 | 27.06 | 102 | 1.03 |
| 744 | 5.32 | 34.42 | 0.24 | 88 | 700 | 5.59 | 34.40 | 0.24 | 27.16 | 92 | 1.14 |
| 982 | 4.29 | 34.50 | 0.44 | 71 | 800 | 5.07 | 34.44 | 0.27 | 27.26 | 82 | 1.24 |
| 1290 | 3.42 | 34.56 | 0.87 | 58 | 1000 | 4.23 | 34.51 | 0.45 | 27.39 | 70 | 1.41 |

IIO.60 CREST; February 15, 1955; 1254 GCT; 28°56'N, 117°39'W; sounding, 1950 fm; wind, 360°, force 4; weather, missing; sea, rough; wire angle, 18°.

| | | | | | | | | | | | |
|------|-------|-------|------|-----|------|-------|-------|------|-------|-----|------|
| 0 | 15.2 | 33.39 | 5.84 | 324 | 0 | 15.2 | 33.39 | 5.84 | 24.71 | 324 | 0.00 |
| 10 | 14.98 | 33.42 | 5.87 | 318 | 10 | 14.98 | 33.42 | 5.87 | 24.78 | 318 | 0.03 |
| 25 | 14.73 | 33.37 | 5.80 | 316 | 20 | 14.80 | 33.38 | 5.82 | 24.79 | 316 | 0.06 |
| 54 | 13.94 | 33.30 | 5.66 | 306 | 30 | 14.63 | 33.34 | 5.77 | 24.79 | 316 | 0.10 |
| 64 | 13.24 | 33.26 | 5.40 | 295 | 50 | 14.32 | 33.31 | 5.70 | 24.84 | 312 | 0.16 |
| 73 | 12.52 | 33.29 | 4.94 | 279 | 75 | 12.37 | 33.29 | 4.89 | 25.22 | 276 | 0.23 |
| 87 | 11.44 | 33.30 | 4.62 | 260 | 100 | 10.33 | 33.36 | 4.45 | 25.63 | 237 | 0.30 |
| 107 | 9.94 | 33.40 | 4.34 | 227 | 150 | 10.03 | 33.98 | 2.58 | 26.17 | 186 | 0.40 |
| 130 | 9.96 | 33.79 | 3.39 | 198 | 200 | 9.58 | 34.21 | 1.76 | 26.43 | 161 | 0.49 |
| 158 | 10.04 | 34.08 | 2.22 | 178 | 250 | 8.92 | 34.28 | 1.30 | 26.60 | 145 | 0.57 |
| 209 | 9.45 | 34.23 | 1.67 | 157 | 300 | 8.38 | 34.33 | 0.95 | 26.71 | 134 | 0.64 |
| 283 | 8.54 | 34.32 | 1.07 | 137 | 400 | 7.52 | 34.37 | 0.52 | 26.87 | 119 | 0.77 |
| 385 | 7.65 | 34.37 | 0.56 | 121 | 500 | 6.62 | 34.38 | 0.32 | 27.00 | 107 | 0.89 |
| 522 | 6.41 | 34.38 | 0.30 | 104 | 600 | 5.90 | 34.39 | 0.30 | 27.11 | 96 | 1.00 |
| 705 | 5.19 | 34.42 | 0.33 | 86 | 700 | 5.20 | 34.42 | 0.32 | 27.21 | 87 | 1.10 |
| 934 | 4.22 | 34.49 | 0.51 | 72 | 800 | 4.73 | 34.45 | 0.38 | 27.29 | 79 | 1.19 |
| 1235 | 3.44 | 34.53 | 0.88 | 60 | 1000 | 4.05 | 34.50 | 0.58 | 27.40 | 68 | 1.35 |

IIO.70 CREST; February 15, 1955; 0635 GCT; 28°36.5'N, 118°19'W; sounding, 1975 fm; wind, 290°, force 2; weather, clear; sea, slight; wire angle, 00°.

| | | | | | | | | | | | |
|------|-------|-------|------|-----|------|-------|-------|------|-------|-----|------|
| 0 | 14.8 | 33.33 | 5.95 | 321 | 0 | 14.8 | 33.33 | 5.95 | 24.75 | 321 | 0.00 |
| 10 | 14.72 | 33.30 | 5.83 | 321 | 10 | 14.72 | 33.30 | 5.83 | 24.74 | 321 | 0.03 |
| 25 | 14.46 | 33.30 | 5.80 | 316 | 20 | 14.52 | 33.30 | 5.81 | 24.78 | 317 | 0.06 |
| 50 | 14.28 | 33.35 | 5.72 | 308 | 30 | 14.39 | 33.34 | 5.79 | 24.84 | 312 | 0.10 |
| 60 | 14.25 | 33.32 | 5.71 | 310 | 50 | 14.28 | 33.35 | 5.72 | 24.88 | 308 | 0.16 |
| 69 | 14.12 | 33.25 | 5.74 | 312 | 75 | 13.03 | 33.20 | 5.66 | 25.01 | 296 | 0.23 |
| 80 | 12.17 | 33.18 | 5.46 | 281 | 100 | 11.01 | 33.29 | 4.65 | 25.46 | 253 | 0.30 |
| 100 | 11.01 | 33.29 | 4.65 | 253 | 150 | 9.72 | 33.86 | 2.69 | 26.13 | 190 | 0.41 |
| 126 | 10.04 | 33.51 | 3.92 | 220 | 200 | 9.02 | 33.95 | 2.52 | 26.32 | 172 | 0.51 |
| 156 | 9.67 | 33.87 | 2.60 | 188 | 250 | 8.84 | 34.13 | 1.86 | 26.48 | 156 | 0.59 |
| 207 | 8.96 | 33.97 | 2.50 | 169 | 300 | 8.53 | 34.20 | 1.42 | 26.60 | 145 | 0.67 |
| 275 | 8.78 | 34.19 | 1.54 | 155 | 400 | 7.40 | 34.25 | 0.99 | 26.79 | 126 | 0.81 |
| 378 | 7.60 | 34.24 | 1.09 | 130 | 500 | 6.60 | 34.30 | 0.47 | 26.94 | 112 | 0.93 |
| 505 | 6.56 | 34.30 | 0.45 | 112 | 600 | 5.88 | 34.33 | 0.31 | 27.06 | 101 | 1.05 |
| 686 | 5.34 | 34.36 | 0.24 | 92 | 700 | 5.26 | 34.37 | 0.24 | 27.16 | 91 | 1.15 |
| 907 | 4.36 | 34.47 | 0.43 | 74 | 800 | 4.79 | 34.42 | 0.32 | 27.26 | 82 | 1.24 |
| 1208 | 3.54 | 34.52 | 0.74 | 62 | 1000 | 4.07 | 34.49 | 0.55 | 27.39 | 69 | 1.41 |

| OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|----------|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-----------------------|--|-------------|--|
| Z m | T °C | S % | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm/g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm/g | ΔD dyn.m | |

SIO

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CREST; February 15, 1955; 0106 GCT; 28°16.5'N, 118°52.5'W; sounding, 2200 fm; wind, 060°, force 4; weather, cloudy; sea, very rough; wire angle, 20°.

II0.80

| | | | | | | | | | | | |
|------|-------|---------|------|-----|------|-------|-------|------|-------|-----|------|
| 0 | 15.4 | 33.35a) | 5.37 | 332 | 0 | 15.4 | 33.35 | 5.37 | 24.63 | 332 | 0.00 |
| 10 | 15.30 | 33.32 | 5.66 | 332 | 10 | 15.30 | 33.32 | 5.66 | 24.63 | 332 | 0.03 |
| 25 | 15.19 | 33.26 | 5.61 | 334 | 20 | 15.22 | 33.27 | 5.63 | 24.61 | 334 | 0.07 |
| 48 | 15.08 | 33.28 | 5.52 | 330 | 30 | 15.17 | 33.27 | 5.58 | 24.64 | 331 | 0.10 |
| 58 | 15.08 | 33.29 | 5.71 | 329 | 50 | 15.08 | 33.28 | 5.53 | 24.66 | 330 | 0.17 |
| 67 | 15.02 | 33.29 | 5.82 | 328 | 75 | 15.02 | 33.30 | 5.66 | 24.68 | 327 | 0.25 |
| 76 | 15.02 | 33.30 | 5.65 | 327 | 100 | 12.73 | 33.21 | 5.38 | 25.08 | 289 | 0.33 |
| 94 | 13.48 | 33.20a) | 5.45 | 304 | 150 | 9.42 | 33.48 | 4.27 | 25.88 | 213 | 0.45 |
| 116 | 11.14 | 33.28 | 5.17 | 256 | 200 | 8.78 | 33.95 | 3.50 | 26.35 | 168 | 0.55 |
| 142 | 9.66 | 33.40 | 4.40 | 223 | 250 | 8.66 | 34.05 | 2.47 | 26.45 | 159 | 0.63 |
| 187 | 8.88 | 33.82 | 3.77 | 179 | 300 | 8.19 | 34.16 | 1.78 | 26.60 | 144 | 0.71 |
| 248 | 8.66 | 34.05 | 2.50 | 159 | 400 | 7.41 | 34.33 | 0.79 | 26.85 | 121 | 0.85 |
| 342 | 7.83 | 34.23 | 1.23 | 134 | 500 | 6.72 | 34.40 | 0.30 | 27.00 | 107 | 0.97 |
| 459 | 7.02 | 34.39 | 0.36 | 111 | 600 | 6.00 | 34.42 | 0.24 | 27.12 | 96 | 1.08 |
| 629 | 5.80 | 34.43 | 0.23 | 92 | 700 | 5.37 | 34.45 | 0.24 | 27.22 | 86 | 1.17 |
| 844 | 4.67 | 34.48 | 0.32 | 76 | 800 | 4.86 | 34.47 | 0.28 | 27.29 | 79 | 1.26 |
| 1145 | 3.70 | 34.53 | 0.70 | 63 | 1000 | 4.13 | 34.51 | 0.51 | 27.40 | 69 | 1.43 |

CREST; February 16, 1955; 1055 GCT; 29°22.5'N, 115°17.5'W; sounding, 30 fm; wind, 340°, force 4; weather, missing; sea, smooth; wire angle, 02°.

II3.30

| | | | | | | | | | | | |
|----|-------|-------|------|-----|----|-------|-------|------|-------|-----|------|
| 0 | 13.57 | 33.41 | 6.10 | 290 | 0 | 13.57 | 33.41 | 6.10 | 25.07 | 290 | 0.00 |
| 10 | 13.59 | 33.40 | 6.26 | 291 | 10 | 13.59 | 33.40 | 6.26 | 25.06 | 291 | 0.03 |
| 15 | 13.56 | 33.44 | 6.21 | 288 | 20 | 13.38 | 33.45 | 6.03 | 25.14 | 284 | 0.06 |
| 20 | 13.38 | 33.45 | 6.03 | 284 | 30 | 12.55 | 33.38 | 5.21 | 25.25 | 273 | 0.09 |
| 25 | 12.73 | 33.33 | 6.24 | 280 | | | | | | | |
| 30 | 12.55 | 33.38 | 5.21 | 273 | | | | | | | |
| 35 | 12.12 | 33.41 | 4.60 | 263 | | | | | | | |
| 43 | 12.03 | 33.57 | 2.96 | 250 | | | | | | | |

CREST; February 16, 1955; 1356 GCT; 29°12'N, 115°39'W; sounding, 780 fm; wind, 340°, force 4; weather, cloudy; sea, moderate; wire angle, 22°.

II3.35

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 14.7 | 33.38 | 6.02 | 315 | 0 | 14.7 | 33.38 | 6.02 | 24.81 | 315 | 0.00 |
| 10 | 14.56 | 33.34 | 6.07 | 315 | 10 | 14.56 | 33.34 | 6.07 | 24.81 | 315 | 0.03 |
| 29 | 14.48 | 33.35 | 5.83 | 312 | 20 | 14.49 | 33.34 | 5.95 | 24.83 | 313 | 0.06 |
| 38 | 13.93 | 33.30 | 6.08 | 305 | 30 | 14.47 | 33.35 | 5.82 | 24.84 | 312 | 0.09 |
| 48 | 12.99 | 33.30 | 5.48 | 287 | 50 | 12.93 | 33.31 | 5.43 | 25.12 | 286 | 0.15 |
| 57 | 12.79 | 33.33 | 5.04 | 281 | 75 | 11.25 | 33.43 | 4.02 | 25.53 | 247 | 0.22 |
| 67 | 12.05 | 33.40 | 4.56 | 262 | 100 | 10.55 | 33.71 | 3.13 | 25.87 | 214 | 0.28 |
| 76 | 11.22 | 33.43 | 3.99 | 246 | 150 | 10.57 | 34.19 | 1.56 | 26.23 | 180 | 0.38 |
| 85 | 11.05 | 33.48 | 3.57 | 239 | 200 | 10.16 | 34.41 | 1.22 | 26.48 | 156 | 0.46 |
| 94 | 10.50 | 33.58 | 3.38 | 223 | 250 | 9.72 | 34.47 | 0.64 | 26.60 | 144 | 0.54 |
| 116 | 10.82 | 34.04 | 1.91 | 194 | 300 | 9.03 | 34.42 | 0.67 | 26.68 | 137 | 0.61 |
| 142 | 10.66 | 34.14 | 1.64 | 184 | 400 | 7.91 | 34.40 | 0.46 | 26.83 | 122 | 0.75 |
| 186 | 10.24 | 34.32 | 1.32 | 164 | 500 | 6.97 | 34.40 | 0.33 | 26.97 | 110 | 0.87 |
| 228 | 10.00 | 34.48 | 0.64 | 148 | | | | | | | |
| 330 | 8.64 | 34.40 | 0.68 | 132 | | | | | | | |
| 441 | 7.52 | 34.40 | 0.38 | 117 | | | | | | | |
| 561 | 6.35 | 34.40 | 0.30 | 102 | | | | | | | |

a) Loose bottle cap; value falls on property curve.

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5502

| | OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|--|----------|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-----------------------|--|--------------|--|
| | Z m | T °C | S ‰ | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm/g | Z m | T °C | S ‰ | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm/g | ΔD dyn. m | |

II3.40

CREST; February 16, 1955; 1730 GCT; 29°01.5'N, 115°59'W; sounding, 1000 fm; wind, 360°, force 4; weather, cloudy; sea, moderate; wire angle, 20°.

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 15.3 | 33.40 | 5.59 | 326 | 0 | 15.3 | 33.40 | 5.59 | 24.69 | 326 | 0.00 |
| 10 | 15.08 | 33.38 | 5.70 | 323 | 10 | 15.08 | 33.38 | 5.70 | 24.72 | 323 | 0.03 |
| 29 | 15.06 | 33.41 | 5.69 | 320 | 20 | 15.07 | 33.41 | 5.70 | 24.74 | 321 | 0.06 |
| 43 | 14.82 | 33.32 | 5.56 | 318 | 30 | 15.04 | 33.41 | 5.68 | 24.76 | 320 | 0.10 |
| 53 | 13.61 | 33.32 | 5.85 | 298 | 50 | 13.98 | 33.33 | 5.79 | 24.92 | 304 | 0.16 |
| 63 | 13.12 | 33.30 | 5.76 | 290 | 75 | 12.80 | 33.30 | 5.61 | 25.14 | 284 | 0.23 |
| 73 | 12.89 | 33.30 | 5.74 | 285 | 100 | 10.62 | 33.43 | 4.00 | 25.64 | 236 | 0.30 |
| 82 | 12.13 | 33.31 | 5.03 | 270 | 150 | 9.42 | 33.85 | 2.90 | 26.17 | 185 | 0.40 |
| 96 | 10.82 | 33.35 | 4.26 | 245 | 200 | 9.57 | 34.21 | 1.50 | 26.43 | 160 | 0.49 |
| 105 | 10.46 | 33.54 | 3.70 | 225 | 250 | 9.33 | 34.38 | 0.85 | 26.60 | 145 | 0.57 |
| 128 | 10.15 | 33.79 | 2.83 | 201 | 300 | 8.79 | 34.38 | 0.62 | 26.69 | 136 | 0.64 |
| 156 | 9.32 | 33.87 | 2.90 | 182 | 400 | 7.59 | 34.35 | 0.41 | 26.84 | 122 | 0.78 |
| 205 | 9.57 | 34.25 | 1.38 | 158 | 500 | 6.62 | 34.36 | 0.28 | 26.98 | 108 | 0.90 |
| 263 | 9.22 | 34.39 | 0.76 | 142 | 600 | 5.91 | 34.41 | 0.25 | 27.12 | 95 | 1.00 |
| 369 | 7.90 | 34.35 | 0.48 | 126 | | | | | | | |
| 492 | 6.71 | 34.36 | 0.30 | 109 | | | | | | | |
| 623 | 5.75 | 34.42 | 0.25 | 92 | | | | | | | |

II3.45

CREST; February 16, 1955; 2048 GCT; 28°51'N, 116°17.5'W; sounding, 1480 fm; wind, 310°, force 5; weather, cloudy; sea, moderate; wire angle, 09°.

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 15.5 | 33.46 | 5.67 | 325 | 0 | 15.5 | 33.46 | 5.67 | 24.70 | 325 | 0.00 |
| 10 | 15.25 | 33.44 | 5.67 | 322 | 10 | 15.25 | 33.44 | 5.67 | 24.74 | 322 | 0.03 |
| 31 | 15.15 | 33.42 | 5.71 | 321 | 20 | 15.20 | 33.43 | 5.70 | 24.74 | 322 | 0.06 |
| 46 | 14.95 | 33.41 | 5.75 | 317 | 30 | 15.16 | 33.42 | 5.71 | 24.74 | 321 | 0.10 |
| 56 | 14.59 | 33.39 | 5.83 | 312 | 50 | 14.81 | 33.40 | 5.77 | 24.80 | 316 | 0.16 |
| 66 | 14.07 | 33.32 | 5.83 | 306 | 75 | 13.53 | 33.32 | 5.57 | 25.01 | 296 | 0.24 |
| 76 | 13.49 | 33.32 | 5.54 | 295 | 100 | 11.49 | 33.49 | 3.73 | 25.53 | 246 | 0.30 |
| 86 | 12.57 | 33.32 | 4.99 | 278 | 150 | 10.50 | 33.96 | 2.30 | 26.08 | 194 | 0.42 |
| 102 | 11.41 | 33.51 | 3.57 | 243 | 200 | 9.97 | 34.27 | 1.41 | 26.41 | 163 | 0.51 |
| 112 | 11.14 | 33.60 | 3.14 | 232 | 250 | 9.52 | 34.34 | 0.98 | 26.54 | 150 | 0.59 |
| 136 | 10.52 | 33.81 | 2.69 | 206 | 300 | 8.95 | 34.38 | 0.77 | 26.66 | 139 | 0.66 |
| 165 | 10.14 | 34.06 | 2.00 | 181 | 400 | 7.87 | 34.41 | 0.48 | 26.85 | 121 | 0.80 |
| 218 | 9.88 | 34.30 | 1.28 | 159 | 500 | 6.96 | 34.38 | 0.27 | 26.96 | 110 | 0.92 |
| 281 | 9.17 | 34.37 | 0.81 | 143 | 600 | 6.12 | 34.38 | 0.23 | 27.07 | 100 | 1.03 |
| 393 | 7.92 | 34.41 | 0.50 | 122 | | | | | | | |
| 520 | 6.79 | 34.38 | 0.26 | 109 | | | | | | | |
| 654 | 5.66 | 34.38 | 0.22 | 94 | | | | | | | |

II3.50

CREST; February 17, 1955; 0007 GCT; 28°40'N, 116°38'W; sounding, 1950 fm; wind, 340°, force 5; weather, cloudy; sea, moderate; wire angle, 20°.

| | | | | | | | | | | | |
|-----|-------|---------|------|-----|-----|--------|---------|--------|---------|-------|--------|
| 0 | 15.5 | 33.38 | 5.79 | 331 | 0 | 15.5 | 33.38 | 5.79 | 24.64 | 331 | 0.00 |
| 10 | 15.18 | 33.43 | 5.73 | 321 | 10 | 15.18 | 33.43 | 5.73 | 24.75 | 321 | 0.03 |
| 20 | 14.69 | 33.37 | 5.79 | 315 | 20 | 14.69 | 33.37 | 5.79 | 24.81 | 315 | 0.06 |
| 40 | 14.46 | 33.35 | 5.82 | 312 | 30 | 14.55 | 33.36 | 5.80 | 24.82 | 314 | 0.10 |
| 50 | 14.33 | 33.34 | 5.82 | 310 | 50 | 14.33 | 33.34 | 5.82 | 24.86 | 310 | 0.16 |
| 60 | 14.10 | 33.36 | 5.68 | 304 | 75 | 12.78 | 33.30 | 4.92 | 25.14 | 283 | 0.23 |
| 69 | 13.75 | 33.42a) | 5.31 | 293 | 100 | 10.63 | 33.49 | 3.78 | 25.68 | 232 | 0.30 |
| 79 | 12.29 | 33.25 | 4.70 | 278 | 150 | 10.58 | 34.06 | 1.54 | 26.14 | 188 | 0.40 |
| 88 | 11.56 | 33.27 | 4.36 | 263 | 200 | 10.07 | 34.24 | 1.46 | 26.36 | 167 | 0.49 |
| 98 | 10.75 | 33.46 | 3.93 | 236 | 250 | 9.58 | 34.32 | 1.07 | 26.51 | 153 | 0.58 |
| 121 | 10.28 | 33.77 | 2.78 | 205 | 300 | 9.06 | 34.34 | 0.79 | 26.62 | 143 | 0.65 |
| 149 | 10.59 | 34.05 | 1.58 | 189 | 400 | 7.87 | 34.33 | 0.47 | 26.79 | 127 | 0.79 |
| 196 | 10.08 | 34.22 | 1.50 | 168 | 500 | 6.80 | 34.32 | 0.30 | 26.92 | 114 | 0.92 |
| 253 | 9.54 | 34.32 | 1.03 | 152 | 600 | (5.88) | (34.34) | (0.24) | (27.07) | (100) | (1.03) |
| 351 | 8.46 | 34.34 | 0.59 | 134 | | | | | | | |
| 465 | 7.14 | 34.31 | 0.33 | 118 | | | | | | | |
| 585 | 6.00 | 34.34 | 0.25 | 102 | | | | | | | |

a) Mean value of 33.39 and 33.44‰.

| OBSERVED | | | | | INTERPOLATED | | | | COMPUTED | | |
|----------|---------|--------|------------------------|----------------------------|--------------|---------|--------|------------------------|-----------------------|----------------------------|-------------|
| Z m | T °C | S % | O ₂ ml/L | δT ₃ 10 cm/g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δT ₃ 10 cm/g | ΔD dyn.m |

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CREST; February 17, 1955; 0324 GCT; 28°30'N, 116°57'W; sounding, 1970 fm; wind, 360°, force 5; weather, partly cloudy; sea, moderate; wire angle, 12°.

II3.55

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 15.9 | 33.53 | 5.68 | 329 | 0 | 15.9 | 33.53 | 5.68 | 24.66 | 329 | 0.00 |
| 10 | 15.68 | 33.48 | 5.75 | 328 | 10 | 15.68 | 33.48 | 5.75 | 24.67 | 328 | 0.03 |
| 30 | 15.54 | 33.49 | 5.85 | 324 | 20 | 15.61 | 33.48 | 5.82 | 24.69 | 326 | 0.07 |
| 45 | 15.39 | 33.48 | 5.85 | 322 | 30 | 15.54 | 33.49 | 5.85 | 24.71 | 324 | 0.10 |
| 56 | 15.36 | 33.45 | 5.80 | 323 | 50 | 15.38 | 33.47 | 5.83 | 24.73 | 322 | 0.16 |
| 66 | 15.12 | 33.46 | 5.64 | 317 | 75 | 14.48 | 33.41 | 5.63 | 24.88 | 308 | 0.24 |
| 76 | 14.35 | 33.40 | 5.60 | 306 | 100 | 11.71 | 33.40 | 3.82 | 25.42 | 256 | 0.31 |
| 86 | 12.58 | 33.30 | 4.62 | 280 | 150 | 10.46 | 33.97 | 2.01 | 26.09 | 193 | 0.43 |
| 101 | 11.64 | 33.42 | 3.75 | 254 | 200 | 9.99 | 34.23 | 1.29 | 26.37 | 166 | 0.52 |
| 110 | 11.39 | 33.59 | 3.08 | 237 | 250 | 9.58 | 34.40 | 0.81 | 26.58 | 147 | 0.60 |
| 134 | 10.78 | 33.86 | 2.20 | 206 | 300 | 9.02 | 34.44 | 0.58 | 26.70 | 135 | 0.67 |
| 163 | 10.25 | 34.04 | 1.92 | 185 | 400 | 7.83 | 34.45 | 0.37 | 26.88 | 118 | 0.80 |
| 215 | 9.90 | 34.30 | 1.12 | 160 | 500 | 6.80 | 34.41 | 0.27 | 27.00 | 106 | 0.92 |
| 277 | 9.28 | 34.43 | 0.64 | 140 | 600 | 6.03 | 34.43 | 0.27 | 27.12 | 95 | 1.03 |
| 387 | 7.99 | 34.45 | 0.41 | 120 | | | | | | | |
| 513 | 6.68 | 34.41 | 0.27 | 105 | | | | | | | |
| 645 | 5.72 | 34.46 | 0.27 | 89 | | | | | | | |

CREST; February 17, 1955; 0641, 0720 GCT; 28°21'N, 117°15'W; sounding, 2000 fm; wind, 360°, force 4; weather, partly cloudy; sea, rough; wire angle, 03°, 03°.

II3.60

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 15.7 | 33.66 | 5.59 | 315 | 0 | 15.7 | 33.66 | 5.59 | 24.81 | 315 | 0.00 |
| 10 | 15.63 | 33.53 | 5.56 | 323 | 10 | 15.63 | 33.53 | 5.56 | 24.72 | 323 | 0.03 |
| 30 | 15.60 | 33.51 | 5.58 | 324 | 20 | 15.62 | 33.52 | 5.57 | 24.72 | 324 | 0.06 |
| 40 | 15.40 | 33.50 | 5.56 | 320 | 30 | 15.60 | 33.51 | 5.58 | 24.72 | 324 | 0.10 |
| 51 | 15.25 | 33.52 | 5.61 | 316 | 50 | 15.27 | 33.52 | 5.61 | 24.79 | 316 | 0.16 |
| 61 | 14.87 | 33.47 | 5.47 | 312 | 75 | 12.46 | 33.41 | 4.26 | 25.29 | 269 | 0.23 |
| 71 | 12.94 | 33.38 | 4.59 | 280 | 100 | 10.35 | 33.56 | 3.65 | 25.78 | 222 | 0.30 |
| 81 | 11.81 | 33.47 | 3.92 | 254 | 150 | 9.76 | 34.02 | 2.33 | 26.25 | 178 | 0.40 |
| | | | | | 200 | 9.19 | 34.21 | 1.91 | 26.49 | 155 | 0.48 |
| 91 | 10.94 | 33.45 | 3.80 | 240 | 250 | 9.09 | 34.38 | 1.10 | 26.64 | 141 | 0.56 |
| 101 | 10.27 | 33.58 | 3.62 | 219 | 300 | 8.72 | 34.45 | 0.55 | 26.75 | 130 | 0.63 |
| 125 | 9.51 | 33.84 | 3.07 | 187 | 400 | 7.62 | 34.47 | 0.28 | 26.93 | 114 | 0.75 |
| 155 | 9.75 | 34.04 | 2.15 | 176 | 500 | 6.61 | 34.43 | 0.24 | 27.04 | 103 | 0.87 |
| 204 | 9.15 | 34.22 | 1.86 | 154 | 600 | 5.91 | 34.44 | 0.22 | 27.14 | 93 | 0.97 |
| 261 | 9.06 | 34.39 | 0.78 | 140 | | | | | | | |
| 364 | 8.02 | 34.48 | 0.30 | 118 | | | | | | | |
| 481 | 6.78 | 34.43 | 0.24 | 105 | | | | | | | |
| 607 | 5.88 | 34.44 | 0.21 | 92 | | | | | | | |

CREST; February 17, 1955; 1241 GCT; 28°00'N, 117°56'W; sounding, 2100 fm; wind, 010°, force 2; weather, fog; sea, moderate; wire angle, 03°.

II3.70

| | | | | | | | | | | | |
|-----|-------|---------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 15.5 | 33.47 | 5.61 | 325 | 0 | 15.5 | 33.47 | 5.61 | 24.70 | 325 | 0.00 |
| 10 | 15.24 | 33.48a) | 5.66 | 319 | 10 | 15.24 | 33.48 | 5.66 | 24.77 | 319 | 0.03 |
| 30 | 14.81 | 33.47 | 5.62 | 311 | 20 | 15.01 | 33.47 | 5.64 | 24.82 | 314 | 0.06 |
| 41 | 14.74 | 33.48 | 5.67 | 308 | 30 | 14.81 | 33.47 | 5.62 | 24.85 | 311 | 0.10 |
| 51 | 14.64 | 33.48 | 5.67 | 307 | 50 | 14.66 | 33.48 | 5.67 | 24.89 | 307 | 0.16 |
| 61 | 14.40 | 33.48 | 5.40 | 301 | 75 | 11.83 | 33.43 | 3.98 | 25.42 | 256 | 0.23 |
| 71 | 12.55 | 33.38 | 4.36 | 273 | 100 | 10.22 | 33.40 | 4.01 | 25.69 | 231 | 0.30 |
| 81 | 11.29 | 33.46 | 3.76 | 245 | 150 | 9.85 | 33.93 | 2.71 | 26.16 | 186 | 0.40 |
| 91 | 10.92 | 33.44 | 3.76 | 240 | 200 | 8.72 | 34.03 | 2.53 | 26.42 | 162 | 0.49 |
| 102 | 10.08 | 33.40 | 3.98 | 230 | 250 | 8.20 | 34.16 | 1.64 | 26.61 | 144 | 0.57 |
| 126 | 9.81 | 33.72 | 3.25 | 201 | 300 | 7.64 | 34.20 | 1.24 | 26.71 | 134 | 0.64 |
| 155 | 9.75 | 33.94 | 2.63 | 184 | 400 | 6.50 | 34.24 | 0.72 | 26.90 | 116 | 0.77 |
| 203 | 8.66 | 34.04 | 2.50 | 160 | 500 | 5.87 | 34.30 | 0.44 | 27.04 | 103 | 0.89 |
| 260 | 8.10 | 34.18 | 1.54 | 141 | 600 | 5.56 | 34.42 | 0.31 | 27.17 | 91 | 0.99 |
| 362 | 6.89 | 34.22 | 0.86 | 122 | | | | | | | |
| 480 | 5.96 | 34.28 | 0.49 | 105 | | | | | | | |
| 607 | 5.57 | 34.42 | 0.30 | 90 | | | | | | | |

a) Mean value of 33.44 and 33.52%.

| S10 CCOFI 5502 | OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|----------------------|----------|---------|--------|------------------------|---|--------------|---------|--------|------------------------|-----------------------|---|--------------|--|
| | Z m | T °C | S % | O ₂ ml/L | δT 10 ⁻⁵ cm ³ /g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δT 10 ⁻⁵ cm ³ /g | ΔD dyn. m | |

II7.26 CREST; February 18, 1955; 1945 GCT; 28°56'N, 114°41'W; sounding, 41 fm; wind, 300°, force 5; weather, partly cloudy; sea, moderate; wire angle, 10°.

| | | | | | | | | | | | |
|----|-------|-------|------|-----|----|-------|-------|------|-------|-----|------|
| 0 | 13.97 | 33.44 | 6.09 | 296 | 0 | 13.97 | 33.44 | 6.09 | 25.01 | 296 | 0.00 |
| 10 | 13.95 | 33.43 | 6.01 | 296 | 10 | 13.95 | 33.43 | 6.01 | 25.01 | 296 | 0.03 |
| 15 | 13.82 | 33.41 | 5.84 | 295 | 20 | 13.80 | 33.44 | 6.08 | 25.05 | 292 | 0.06 |
| 20 | 13.80 | 33.44 | 6.08 | 292 | 30 | 13.06 | 33.53 | 5.02 | 25.26 | 272 | 0.09 |
| 25 | 13.71 | 33.48 | 6.03 | 288 | 50 | 11.18 | 33.55 | 3.80 | 25.64 | 236 | 0.14 |
| 30 | 13.06 | 33.53 | 5.02 | 272 | | | | | | | |
| 35 | 12.79 | 33.52 | 4.73 | 267 | | | | | | | |
| 40 | 12.28 | 33.52 | 4.42 | 258 | | | | | | | |
| 50 | 11.18 | 33.55 | 3.80 | 236 | | | | | | | |

II7.30 CREST; February 18, 1955; 1726 GCT; 28°48'N, 114°56.5'W; sounding, 58 fm; wind, 320°, force 4; weather, cloudy; sea, moderate; wire angle, 06°.

| | | | | | | | | | | | |
|----|-------|-------|------|-----|----|-------|-------|------|-------|-----|------|
| 0 | 14.7 | 33.48 | 5.97 | 308 | 0 | 14.7 | 33.48 | 5.97 | 24.89 | 308 | 0.00 |
| 10 | 14.50 | 33.48 | 6.01 | 303 | 10 | 14.50 | 33.48 | 6.01 | 24.93 | 303 | 0.03 |
| 15 | 14.55 | 33.47 | 5.99 | 305 | 20 | 14.57 | 33.49 | 5.92 | 24.92 | 304 | 0.06 |
| 20 | 14.57 | 33.49 | 5.92 | 304 | 30 | 14.74 | 33.55 | 5.88 | 24.93 | 304 | 0.09 |
| 25 | 14.64 | 33.51 | 5.89 | 304 | 50 | 14.12 | 33.56 | 5.28 | 25.08 | 290 | 0.15 |
| 30 | 14.74 | 33.55 | 5.88 | 304 | 75 | 11.79 | 33.67 | 2.90 | 25.62 | 238 | 0.22 |
| 35 | 14.63 | 33.57 | 5.67 | 299 | | | | | | | |
| 45 | 14.57 | 33.58 | 5.61 | 297 | | | | | | | |
| 55 | 13.60 | 33.54 | 4.57 | 282 | | | | | | | |
| 65 | 12.34 | 33.56 | 4.10 | 256 | | | | | | | |
| 80 | 11.58 | 33.78 | 2.12 | 226 | | | | | | | |

II7.35 CREST; February 18, 1955; 1436 GCT; 28°38'N, 115°16'W; sounding, 135 fm; wind, 320°, force 4; weather, cloudy; sea, moderate; wire angle, 05°.

| | | | | | | | | | | | |
|-----|-------|---------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 13.92 | 33.41 | 6.14 | 297 | 0 | 13.92 | 33.41 | 6.14 | 25.00 | 297 | 0.00 |
| 10 | 13.92 | 33.36 | 6.13 | 301 | 10 | 13.92 | 33.36 | 6.13 | 24.96 | 301 | 0.03 |
| 15 | 13.82 | 33.40 | 6.22 | 296 | 20 | 13.55 | 33.39 | 6.14 | 25.06 | 291 | 0.06 |
| 20 | 13.55 | 33.39 | 6.14 | 291 | 30 | 13.05 | 33.31 | 5.62 | 25.10 | 288 | 0.09 |
| 25 | 13.10 | 33.34 | 5.66 | 286 | 50 | 12.59 | 33.48 | 4.60 | 25.32 | 266 | 0.14 |
| 30 | 13.05 | 33.31a) | 5.62 | 287 | 75 | 11.20 | 33.52 | 3.50 | 25.61 | 239 | 0.21 |
| 35 | 12.95 | 33.43 | 5.23 | 277 | 100 | 10.68 | 33.85 | 2.40 | 25.96 | 206 | 0.26 |
| 45 | 12.56 | 33.36 | 5.14 | 275 | 150 | 10.47 | 34.25 | 1.50 | 26.31 | 172 | 0.36 |
| 55 | 12.59 | 33.58 | 4.13 | 259 | 200 | 10.38 | 34.42 | 0.86 | 26.45 | 159 | 0.44 |
| 66 | 12.32 | 33.68 | 3.51 | 247 | | | | | | | |
| 75 | 11.20 | 33.52 | 3.50 | 239 | | | | | | | |
| 94 | 10.68 | 33.78 | 2.61 | 211 | | | | | | | |
| 109 | 10.72 | 33.96 | 2.13 | 198 | | | | | | | |
| 138 | 10.48 | 34.17 | 1.68 | 179 | | | | | | | |
| 167 | 10.44 | 34.35 | 1.19 | 165 | | | | | | | |
| 202 | 10.36 | 34.42 | 0.84 | 158 | | | | | | | |

a) Mean value of 33.28 and 33.34%.

| OBSERVED | | | | | INTERPOLATED | | | | COMPUTED | | | SIO CCOFI 5502 | |
|---|---------|--------|------------------------|--|--------------|---------|---------|------------------------|-----------------------|--|-------------|----------------------|--------|
| Z m | T °C | S % | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm/g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm/g | ΔD dyn.m | | |
| CREST; February 18, 1955; 1133 GCT; 28°28'N, 115°35.5'W; sounding, 550 fm; wind, 320°, force 5; weather, drizzle; sea, moderate; wire angle, 17°. | | | | | | | | | | | | | 117.40 |
| 0 | 14.8 | 33.54 | 5.65 | 305 | 0 | 14.8 | 33.54 | 5.65 | 24.91 | 305 | 0.00 | | |
| 10 | 14.58 | 33.58 | 5.82 | 298 | 10 | 14.58 | 33.58 | 5.82 | 24.99 | 298 | 0.03 | | |
| 15 | 14.32 | 33.53 | 5.84 | 296 | 20 | 13.88 | 33.62 | 5.40 | 25.17 | 281 | 0.06 | | |
| 20 | 13.88 | 33.62 | 5.40 | 281 | 30 | 13.73 | 33.61 | 5.34 | 25.19 | 278 | 0.09 | | |
| 25 | 13.80 | 33.58 | 5.29 | 282 | 50 | 12.18 | 33.54 | 4.07 | 25.44 | 255 | 0.14 | | |
| 30 | 13.73 | 33.61 | 5.34 | 278 | 75 | 11.07 | 33.78 | 2.90 | 25.83 | 218 | 0.20 | | |
| 40 | 13.34 | 33.66 | 4.90 | 268 | 100 | 11.06 | 33.97 | 2.14 | 25.98 | 204 | 0.25 | | |
| 50 | 12.18 | 33.54 | 4.07 | 255 | 150 | 10.83 | 34.34 | 1.55 | 26.31 | 172 | 0.35 | | |
| 66 | 11.08 | 33.66 | 3.13 | 227 | 200 | 10.52 | 34.43 | 0.90 | 26.44 | 160 | 0.43 | | |
| 81 | 11.10 | 33.87 | 2.81 | 211 | 250 | 10.12 | 34.45 | 0.68 | 26.52 | 152 | 0.51 | | |
| 100 | 11.06 | 33.97 | 2.14 | 204 | 300 | 9.81 | 34.51 | 0.58 | 26.62 | 143 | 0.59 | | |
| 123 | 10.97 | 34.08 | 1.84 | 193 | 400 | (8.16) | (34.46) | (0.33) | (26.84) | (122) | (0.72) | | |
| 161 | 10.76 | 34.40 | 1.34 | 166 | | | | | | | | | |
| 199 | 10.54 | 34.43 | 0.92 | 160 | | | | | | | | | |
| 246 | 10.15 | 34.45 | 0.69 | 152 | | | | | | | | | |
| 320 | 9.66 | 34.51 | 0.52 | 140 | | | | | | | | | |
| 398 | 8.20 | 34.46 | 0.33 | 122 | | | | | | | | | |
| CREST; February 18, 1955; 0819 GCT; 28°18.5'N, 115°55'W; sounding, 1850 fm; wind, 340°, force 4; weather, missing; sea, rough; wire angle, 12°. | | | | | | | | | | | | | 117.45 |
| 0 | 14.8 | 33.54 | 6.00 | 305 | 0 | 14.8 | 33.54 | 6.00 | 24.91 | 305 | 0.00 | | |
| 10 | 14.67 | 33.50 | 5.40 | 306 | 10 | 14.67 | 33.50 | 5.40 | 24.91 | 306 | 0.03 | | |
| 30 | 14.14 | 33.43 | 6.06 | 300 | 20 | 14.42 | 33.46 | 5.73 | 24.92 | 304 | 0.06 | | |
| 41 | 13.92 | 33.45 | 5.63 | 294 | 30 | 14.14 | 33.43 | 6.06 | 24.96 | 300 | 0.09 | | |
| 51 | 13.30 | 33.56 | 5.32 | 274 | 50 | 13.38 | 33.55 | 5.38 | 25.21 | 276 | 0.15 | | |
| 61 | 11.91 | 33.64 | 3.82 | 242 | 75 | 11.04 | 33.76 | 3.15 | 25.83 | 218 | 0.21 | | |
| 71 | 11.08 | 33.67 | 3.34 | 226 | 100 | 10.48 | 33.90 | 2.75 | 26.03 | 198 | 0.26 | | |
| 80 | 10.98 | 33.82 | 2.96 | 213 | 150 | 9.98 | 34.20 | 2.11 | 26.36 | 168 | 0.36 | | |
| 90 | 10.67 | 33.81 | 2.94 | 209 | 200 | 9.50 | 34.33 | 1.55 | 26.53 | 151 | 0.44 | | |
| 99 | 10.48 | 33.88 | 2.76 | 200 | 250 | 9.15 | 34.43 | 0.97 | 26.67 | 138 | 0.51 | | |
| 123 | 10.25 | 34.07 | 2.28 | 182 | 300 | 8.72 | 34.43 | 0.73 | 26.74 | 131 | 0.58 | | |
| 151 | 9.95 | 34.21 | 2.10 | 167 | 400 | 7.72 | 34.43 | 0.42 | 26.88 | 118 | 0.71 | | |
| 198 | 9.51 | 34.32 | 1.56 | 152 | 500 | 6.82 | 34.42 | 0.35 | 27.00 | 106 | 0.83 | | |
| 254 | 9.12 | 34.43 | 0.92 | 137 | 600 | (6.01) | (34.43) | (0.59) | (27.12) | (95) | (0.93) | | |
| 354 | 8.16 | 34.43 | 0.51 | 124 | | | | | | | | | |
| 469 | 7.10 | 34.42 | 0.33 | 110 | | | | | | | | | |
| 591 | 6.07 | 34.43 | 0.56 | 96 | | | | | | | | | |
| CREST; February 18, 1955; 0513 GCT; 28°09'N, 116°15.5'W; sounding, 2000+ fm; wind, 340°, force 4; weather, overcast; sea, rough; wire angle, 25°. | | | | | | | | | | | | | 117.50 |
| 0 | 15.0 | 33.40 | 5.81 | 320 | 0 | 15.0 | 33.40 | 5.81 | 24.76 | 320 | 0.00 | | |
| 10 | 14.94 | 33.43 | 5.86 | 316 | 10 | 14.94 | 33.43 | 5.86 | 24.80 | 316 | 0.03 | | |
| 28 | 14.73 | 33.39 | 5.81 | 315 | 20 | 14.84 | 33.42 | 5.85 | 24.80 | 316 | 0.06 | | |
| 43 | 14.21 | 33.45 | 6.06 | 300 | 30 | 14.70 | 33.39 | 5.81 | 24.82 | 314 | 0.10 | | |
| 52 | 13.95 | 33.43 | 5.80 | 296 | 50 | 14.00 | 33.43 | 5.85 | 25.00 | 297 | 0.16 | | |
| 61 | 13.41 | 33.50 | 5.30 | 280 | 75 | 11.72 | 33.32 | 4.62 | 25.35 | 263 | 0.23 | | |
| 70 | 12.00 | 33.31 | 4.67 | 268 | 100 | 10.80 | 33.64 | 3.07 | 25.77 | 223 | 0.29 | | |
| 79 | 11.51 | 33.35 | 4.53 | 257 | 150 | 10.71 | 34.13 | 1.67 | 26.17 | 186 | 0.39 | | |
| 92 | 10.96 | 33.48 | 3.47 | 238 | 200 | 10.26 | 34.38 | 1.05 | 26.45 | 159 | 0.48 | | |
| 100 | 10.80 | 33.64 | 3.07 | 223 | 250 | 9.73 | 34.46 | 0.70 | 26.59 | 145 | 0.56 | | |
| 122 | 11.05 | 33.96 | 2.02 | 204 | 300 | 9.00 | 34.43 | 0.66 | 26.70 | 135 | 0.63 | | |
| 147 | 10.75 | 34.11 | 1.71 | 188 | 400 | 7.81 | 34.42 | 0.49 | 26.86 | 120 | 0.76 | | |
| 191 | 10.35 | 34.34 | 1.16 | 164 | 500 | 6.98 | 34.42 | 0.30 | 26.99 | 108 | 0.88 | | |
| 244 | 9.80 | 34.46 | 0.72 | 146 | 600 | (6.02) | (34.41) | (0.36) | (27.10) | (97) | (0.99) | | |
| 341 | 8.32 | 34.41 | 0.63 | 127 | | | | | | | | | |
| 456 | 7.38 | 34.42 | 0.30 | 113 | | | | | | | | | |
| 583 | 6.20 | 34.41 | 0.34 | 99 | | | | | | | | | |

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| | OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|--|----------|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-----------------------|--|--------------|--|
| | Z m | T °C | S ‰ | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm/g | Z m | T °C | S ‰ | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm/g | ΔD dyn. m | |

II7.55

CREST; February 18, 1955; 0156 GCT; 27°58'N, 116°36'W; sounding, 2000 fm; wind, 350°, force 4; weather, overcast; sea, moderate; wire angle, 23°.

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 15.9 | 33.57 | 5.79 | 326 | 0 | 15.9 | 33.57 | 5.79 | 24.69 | 326 | 0.00 |
| 10 | 15.72 | 33.56 | 5.95 | 323 | 10 | 15.72 | 33.56 | 5.95 | 24.72 | 323 | 0.03 |
| 29 | 15.59 | 33.57 | 5.73 | 319 | 20 | 15.64 | 33.56 | 5.80 | 24.75 | 320 | 0.06 |
| 43 | 15.34 | 33.58 | 5.76 | 313 | 30 | 15.57 | 33.57 | 5.72 | 24.77 | 318 | 0.10 |
| 52 | 15.13 | 33.56 | 5.70 | 310 | 50 | 15.18 | 33.57 | 5.70 | 24.86 | 310 | 0.16 |
| 61 | 15.06 | 33.53 | 5.78 | 311 | 75 | 14.90 | 33.50 | 5.76 | 24.86 | 310 | 0.24 |
| 71 | 14.93 | 33.50 | 5.25 | 310 | 100 | 12.26 | 33.34 | 4.07 | 25.26 | 272 | 0.31 |
| 81 | 14.84 | 33.51 | 5.74 | 308 | 150 | 10.32 | 33.91 | 2.69 | 26.07 | 195 | 0.43 |
| 94 | 12.87 | 33.30 | 4.62 | 285 | 200 | 9.20 | 34.15 | 2.09 | 26.44 | 160 | 0.52 |
| 103 | 12.06 | 33.38 | 3.90 | 264 | 250 | 9.00 | 34.27 | 1.40 | 26.58 | 147 | 0.60 |
| 126 | 11.38 | 33.73 | 3.10 | 226 | 300 | 8.65 | 34.41 | 0.95 | 26.74 | 132 | 0.67 |
| 152 | 10.26 | 33.92 | 2.66 | 194 | 400 | 7.68 | 34.45 | 0.35 | 26.91 | 116 | 0.80 |
| 200 | 9.20 | 34.15 | 2.09 | 160 | 500 | 6.62 | 34.43 | 0.27 | 27.04 | 103 | 0.91 |
| 257 | 8.98 | 34.30 | 1.33 | 145 | 600 | 5.94 | 34.46 | 0.28 | 27.16 | 92 | 1.02 |
| 360 | 8.14 | 34.46 | 0.50 | 121 | | | | | | | |
| 483 | 6.75 | 34.43 | 0.26 | 105 | | | | | | | |
| 615 | 5.85 | 34.47 | 0.29 | 90 | | | | | | | |

II7.60

CREST; February 17, 1955; 2253 GCT; 27°47.5'N, 116°55'W; sounding, 2000+ fm; wind, 320°, force 3; weather, fog; sea, moderate; wire angle, 15°.

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 15.8 | 33.45 | 5.75 | 332 | 0 | 15.8 | 33.45 | 5.75 | 24.62 | 332 | 0.00 |
| 10 | 15.60 | 33.45 | 5.74 | 328 | 10 | 15.60 | 33.45 | 5.74 | 24.67 | 328 | 0.03 |
| 30 | 15.49 | 33.49 | 5.86 | 323 | 20 | 15.53 | 33.47 | 5.82 | 24.69 | 326 | 0.07 |
| 41 | 15.30 | 33.50 | 5.88 | 318 | 30 | 15.49 | 33.49 | 5.86 | 24.72 | 323 | 0.10 |
| 51 | 15.39 | 33.58 | 5.53 | 314 | 50 | 15.38 | 33.57 | 5.55 | 24.81 | 315 | 0.16 |
| 60 | 15.35 | 33.58 | 5.46 | 314 | 75 | 12.98 | 33.41 | 4.94 | 25.19 | 279 | 0.24 |
| 70 | 14.01 | 33.49 | 5.02 | 293 | 100 | 11.27 | 33.50 | 3.77 | 25.58 | 242 | 0.30 |
| 79 | 12.23 | 33.35 | 4.77 | 270 | 150 | 10.03 | 33.87 | 2.60 | 26.08 | 194 | 0.41 |
| 89 | 11.53 | 33.33 | 4.04 | 259 | 200 | 10.15 | 34.34 | 1.02 | 26.44 | 160 | 0.50 |
| 98 | 11.32 | 33.49 | 3.81 | 243 | 250 | 9.45 | 34.36 | 0.71 | 26.56 | 148 | 0.58 |
| 123 | 10.43 | 33.75 | 2.94 | 209 | 300 | 8.72 | 34.41 | 0.50 | 26.72 | 133 | 0.66 |
| 151 | 10.02 | 33.88 | 2.58 | 193 | 400 | 7.49 | 34.43 | 0.28 | 26.92 | 114 | 0.78 |
| 199 | 10.16 | 34.34 | 1.04 | 160 | 500 | 6.55 | 34.42 | 0.20 | 27.04 | 103 | 0.90 |
| 256 | 9.35 | 34.36 | 0.67 | 146 | 600 | 5.89 | 34.42 | 0.20 | 27.13 | 94 | 1.00 |
| 358 | 7.95 | 34.44 | 0.34 | 120 | | | | | | | |
| 476 | 6.75 | 34.42 | 0.20 | 105 | | | | | | | |
| 601 | 5.87 | 34.42 | 0.20 | 94 | | | | | | | |

II7.70

CREST; February 17, 1955; 1752 GCT; 27°27.5'N, 117°33'W; sounding, 2050 fm; wind, 010°, force 4; weather, fog; sea, moderate; wire angle, 13°.

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|--------|---------|--------|---------|------|--------|
| 0 | 16.5 | 33.47 | 5.46 | 346 | 0 | 16.5 | 33.47 | 5.46 | 24.48 | 346 | 0.00 |
| 10 | 16.28 | 33.46 | 5.61 | 342 | 10 | 16.28 | 33.46 | 5.61 | 24.52 | 342 | 0.03 |
| 30 | 15.21 | 33.43 | 5.79 | 322 | 20 | 15.73 | 33.44 | 5.70 | 24.63 | 332 | 0.07 |
| 40 | 15.26 | 33.43 | 5.77 | 323 | 30 | 15.21 | 33.43 | 5.79 | 24.74 | 322 | 0.10 |
| 50 | 15.22 | 33.43 | 5.71 | 322 | 50 | 15.22 | 33.43 | 5.71 | 24.74 | 322 | 0.16 |
| 60 | 15.25 | 33.48 | 5.71 | 319 | 75 | 15.03 | 33.50 | 5.62 | 24.83 | 313 | 0.24 |
| 70 | 15.38 | 33.53 | 5.72 | 318 | 100 | 11.67 | 33.42 | 4.31 | 25.45 | 254 | 0.32 |
| 79 | 14.40 | 33.42 | 5.40 | 306 | 150 | 9.62 | 33.91 | 2.77 | 26.18 | 184 | 0.43 |
| 89 | 12.38 | 33.33 | 4.64 | 274 | 200 | 9.28 | 34.16 | 2.08 | 26.44 | 160 | 0.52 |
| 98 | 11.78 | 33.41 | 4.37 | 257 | 250 | 8.90 | 34.31 | 1.30 | 26.62 | 143 | 0.59 |
| 123 | 10.00 | 33.54 | 3.36 | 218 | 300 | 8.44 | 34.36 | 0.73 | 26.73 | 132 | 0.66 |
| 150 | 9.62 | 33.91 | 2.77 | 184 | 400 | 7.42 | 34.38 | 0.37 | 26.89 | 117 | 0.79 |
| 196 | 9.31 | 34.14 | 2.12 | 162 | 500 | 6.41 | 34.39 | 0.32 | 27.03 | 104 | 0.91 |
| 250 | 8.90 | 34.31 | 1.30 | 143 | 600 | (5.59) | (34.40) | (0.28) | (27.15) | (92) | (1.01) |
| 348 | 7.98 | 34.38 | 0.38 | 125 | | | | | | | |
| 462 | 6.75 | 34.39 | 0.33 | 108 | | | | | | | |
| 583 | 5.76 | 34.40 | 0.28 | 94 | | | | | | | |

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| OBSERVED | | | | | INTERPOLATED | | | | COMPUTED | | |
|----------|---------|--------|------------------------|---|--------------|---------|--------|------------------------|-----------------------|---|--------------|
| Z m | T °C | S % | O ₂ ml/L | δT 10 ⁻⁵ cm ³ /g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δT 10 ⁻⁵ cm ³ /g | ΔD dyn. m |

CREST; February 19, 1955; 0008 GCT; 28°23'N, 114°15'W; sounding, 30 fm; wind, 310°, force 5; weather, partly cloudy; sea, moderate; wire angle, 05°. 12025

| | | | | | | | | | | | |
|----|-------|-------|------|-----|----|-------|-------|------|-------|-----|------|
| 0 | 14.74 | 33.55 | 6.16 | 303 | 0 | 14.74 | 33.55 | 6.16 | 24.93 | 303 | 0.00 |
| 10 | 14.61 | 33.59 | 6.16 | 298 | 10 | 14.61 | 33.59 | 6.16 | 24.99 | 298 | 0.03 |
| 15 | 14.44 | 33.66 | 6.05 | 289 | 20 | 14.15 | 33.62 | 5.98 | 25.11 | 286 | 0.06 |
| 20 | 14.15 | 33.62 | 5.98 | 286 | 30 | 13.36 | 33.47 | 4.79 | 25.16 | 282 | 0.09 |
| 25 | 13.93 | 33.63 | 5.66 | 281 | | | | | | | |
| 30 | 13.36 | 33.47 | 4.79 | 282 | | | | | | | |
| 35 | 13.10 | 33.41 | 4.34 | 281 | | | | | | | |
| 40 | 13.70 | 33.70 | 4.38 | 272 | | | | | | | |

CREST; February 19, 1955; 0311 GCT; 28°13'N, 114°34'W; sounding, 50 fm; wind, 330°, force 5; weather, partly cloudy; sea, rough; wire angle, 14°. 12030

| | | | | | | | | | | | |
|----|-------|-------|------|-----|----|---------|---------|--------|---------|-------|--------|
| 0 | 14.9 | 33.56 | 6.28 | 306 | 0 | 14.9 | 33.56 | 6.28 | 24.90 | 306 | 0.00 |
| 10 | 14.72 | 33.52 | 6.34 | 305 | 10 | 14.72 | 33.52 | 6.34 | 24.91 | 305 | 0.03 |
| 15 | 14.73 | 33.50 | 6.27 | 306 | 20 | 14.69 | 33.49 | 6.35 | 24.90 | 306 | 0.06 |
| 20 | 14.69 | 33.49 | 6.35 | 306 | 30 | 14.21 | 33.62 | 6.01 | 25.10 | 288 | 0.09 |
| 25 | 14.41 | 33.54 | 6.06 | 297 | 50 | 13.45 | 33.56 | 4.68 | 25.21 | 277 | 0.15 |
| 30 | 14.21 | 33.62 | 6.01 | 288 | 75 | (11.12) | (33.63) | (2.93) | (25.71) | (229) | (0.21) |
| 35 | 14.08 | 33.62 | 5.77 | 285 | | | | | | | |
| 45 | 13.82 | 33.58 | 5.24 | 282 | | | | | | | |
| 55 | 12.95 | 33.56 | 3.89 | 267 | | | | | | | |
| 70 | 11.50 | 33.61 | 3.06 | 238 | | | | | | | |

CREST; February 19, 1955; 0624 GCT; 28°03'N, 114°55'W; sounding, 47 fm; wind, 340°, force 6; weather, clear; sea, very rough; wire angle, 11°. 12035

| | | | | | | | | | | | |
|----|-------|-------|------|-----|----|-------|-------|------|-------|-----|------|
| 0 | 14.9 | 33.58 | 5.96 | 304 | 0 | 14.9 | 33.58 | 5.96 | 24.92 | 304 | 0.00 |
| 10 | 15.00 | 33.63 | 5.98 | 303 | 10 | 15.00 | 33.63 | 5.98 | 24.94 | 303 | 0.03 |
| 15 | 15.01 | 33.68 | 5.95 | 299 | 20 | 14.98 | 33.58 | 5.91 | 24.91 | 306 | 0.06 |
| 20 | 14.98 | 33.58 | 5.91 | 306 | 30 | 14.96 | 33.58 | 5.83 | 24.91 | 305 | 0.09 |
| 25 | 14.98 | 33.60 | 5.92 | 305 | 50 | 14.70 | 33.58 | 5.71 | 24.96 | 300 | 0.15 |
| 30 | 14.96 | 33.58 | 5.83 | 305 | | | | | | | |
| 35 | 14.88 | 33.58 | 5.83 | 304 | | | | | | | |
| 40 | 14.82 | 33.60 | 5.79 | 301 | | | | | | | |
| 50 | 14.70 | 33.58 | 5.71 | 300 | | | | | | | |
| 60 | 14.08 | 33.52 | 5.61 | 292 | | | | | | | |

SPENCER F. BAIRD; February 23, 1955; 2011 GCT; 27°54'N, 115°18'W; sounding, 50 fm; wind, 340°, force 3; weather, cloudy; sea, moderate; wire angle, 10°. 12040

| | | | | | | | | | | | |
|----|-------|-------|------|-----|----|-------|-------|------|-------|-----|------|
| 0 | 14.18 | 33.63 | 5.41 | 286 | 0 | 14.18 | 33.63 | 5.41 | 25.11 | 286 | 0.00 |
| 5 | 13.88 | 33.61 | 5.71 | 282 | 10 | 13.82 | 33.63 | 5.30 | 25.18 | 279 | 0.03 |
| 10 | 13.82 | 33.63 | 5.30 | 279 | 20 | 13.77 | 33.65 | 5.18 | 25.21 | 276 | 0.06 |
| 14 | 13.80 | 33.67 | 5.36 | 276 | 30 | 13.75 | 33.67 | 5.25 | 25.24 | 274 | 0.08 |
| 19 | 13.76 | 33.67 | 5.17 | 275 | 50 | 12.76 | 33.69 | 4.02 | 25.45 | 254 | 0.15 |
| 24 | 13.77 | 33.62 | 5.25 | 278 | | | | | | | |
| 28 | 13.77 | 33.67 | 5.27 | 275 | | | | | | | |
| 38 | 13.68 | 33.67 | 5.09 | 274 | | | | | | | |
| 47 | 13.05 | 33.68 | 4.37 | 260 | | | | | | | |
| 60 | 12.02 | 33.23 | 2.99 | 238 | | | | | | | |

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5502

| | OBSERVED | | | | INTERPOLATED | | | | COMPUTED | | |
|--|----------|---------|--------|------------------------|---|--------|---------|--------|------------------------|-----------------------|---|
| | Z m | T °C | S % | O ₂ ml/L | δ _T 10 ⁻⁵ cm ³ /g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δ _T 10 ⁻⁵ cm ³ /g |

120.45

SPENCER F. BAIRD; February 23, 1955; 1535 GCT; 27°44.5'N, 115°27'W; sounding, 1425 fm; wind, 360°, force 5; weather, overcast; sea, rough; wire angle, 11°.

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|--------|---------|--------|---------|------|---------------------|
| 0 | 14.69 | 33.52 | 5.65 | 304 | 0 | 14.69 | 33.52 | 5.65 | 24.92 | 304 | 0.00 |
| 10 | 14.68 | 33.44 | 5.66 | 310 | 10 | 14.68 | 33.44 | 5.66 | 24.86 | 310 | 0.03 |
| 30 | 14.69 | 33.44 | 5.57 | 310 | 20 | 14.69 | 33.44 | 5.60 | 24.86 | 310 | 0.06 |
| 45 | 13.72 | 33.37 | 5.03 | 296 | 30 | 14.69 | 33.44 | 5.57 | 24.86 | 310 | 0.09 |
| 59 | 11.95 | 33.78 | 2.71 | 233 | 50 | 11.41 | 33.51 | 4.26 | 25.56 | 243 | 0.15- ¹⁴ |
| 69 | 11.70 | 33.84 | 2.62 | 224 | 75 | 11.59 | 33.89 | 2.40 | 25.82 | 218 | 0.21 |
| 78 | 11.51 | 33.92 | 2.19 | 215 | 100 | 11.17 | 34.04 | 1.88 | 26.02 | 200 | 0.26 |
| 92 | 11.32 | 33.97 | 1.97 | 208 | 150 | 10.90 | 34.28 | 1.42 | 26.24 | 178 | 0.36 |
| 102 | 11.17 | 34.04 | 1.87 | 200 | 200 | 10.79 | 34.38 | 1.15 | 26.36 | 168 | 0.44 |
| 117 | 11.15 | 34.07 | 1.69 | 197 | 250 | 10.23 | 34.46 | 0.58 | 26.51 | 153 | 0.52 |
| 145 | 10.94 | 34.27 | 1.42 | 179 | 300 | 9.31 | 34.52 | 0.48 | 26.71 | 134 | 0.60 |
| 175 | 10.86 | 34.37 | - | 170 | 400 | 8.08 | 34.48 | 0.33 | 26.88 | 118 | 0.73 |
| 233 | 10.54 | 34.42 | 0.69 | 161 | 500 | 6.99 | 34.47 | 0.28 | 27.02 | 105 | 0.84 |
| 301 | 9.30 | 34.52 | 0.48 | 134 | 600 | 6.02 | 34.45 | 0.24 | 27.13 | 94 | 0.95 |
| 416 | 7.90 | 34.48 | 0.32 | 116 | 700 | (5.40) | (34.43) | (0.35) | (27.20) | (88) | (1.05) |
| 554 | 6.40 | 34.46 | 0.24 | 98 | | | | | | | |
| 694 | 5.41 | 34.43 | 0.34 | 88 | | | | | | | |

12045

SPENCER F. BAIRD; February 23, 1955; 1700 GCT; 27°44.5'N, 115°37'W; sounding, 1450 fm; wind, 360°, force 5; weather, overcast; sea, rough; wire angle, 18°.

| | | | | | | | | | | |
|-----|-------|-------|-----|-----|---------|---------|--|---------|-------|--------|
| 0 | 14.67 | 33.50 | 305 | 0 | 14.67 | 33.50 | | 24.91 | 305 | 0.00 |
| 10 | 14.65 | 33.47 | 307 | 10 | 14.65 | 33.47 | | 24.89 | 307 | 0.03 |
| 30 | 14.66 | 33.48 | 306 | 20 | 14.65 | 33.48 | | 24.90 | 307 | 0.06 |
| 34 | 14.48 | 33.45 | 305 | 30 | 14.66 | 33.48 | | 24.90 | 306 | 0.09 |
| 39 | 13.97 | 33.39 | 299 | 50 | 13.73 | 33.40 | | 25.03 | 294 | 0.15 |
| 44 | 13.90 | 33.39 | 298 | 75 | 11.67 | 33.83 | | 25.76 | 224 | 0.22 |
| 48 | 13.80 | 33.41 | 294 | 100 | 11.13 | 33.98 | | 25.98 | 203 | 0.27 |
| 53 | 13.50 | 33.35 | 293 | 150 | 10.87 | 34.32 | | 26.29 | 174 | 0.37 |
| 59 | 12.33 | 33.40 | 268 | 200 | 10.67 | 34.47 | | 26.44 | 160 | 0.45 |
| 68 | 11.62 | 33.52 | 246 | 250 | (10.25) | (34.52) | | (26.56) | (149) | (0.53) |
| 77 | 11.68 | 33.86 | 222 | | | | | | | |
| 87 | 11.44 | 33.97 | 210 | | | | | | | |
| 96 | 11.20 | 33.97 | 206 | | | | | | | |
| 142 | 10.90 | 34.27 | 178 | | | | | | | |
| 190 | 10.72 | 34.45 | 162 | | | | | | | |
| 234 | 10.45 | 34.52 | 152 | | | | | | | |
| 244 | 10.37 | 34.52 | 150 | | | | | | | |

12050

SPENCER F. BAIRD; February 23, 1955; 1205 GCT; 27°34.5'N, 115°49'W; sounding, 2100 fm; wind, 010°, force 5; weather, cloudy; sea, rough; wire angle, 36°.

| | | | | | | | | | | | |
|-----|-------|--------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 14.94 | 33.48 | 4.93 | 313 | 0 | 14.94 | 33.48 | 4.93 | 24.83 | 313 | 0.00 |
| 9 | 14.96 | 33.49 | 5.74 | 312 | 10 | 14.96 | 33.49 | 5.76 | 24.84 | 312 | 0.03 |
| 25 | 14.96 | 33.39u | 6.10 | - | 20 | 14.96 | 33.49 | 6.00 | 24.84 | 312 | 0.06 |
| 38 | 14.94 | 33.51 | 5.75 | 310 | 30 | 14.96 | 33.50 | 5.95 | 24.85 | 311 | 0.09 |
| 50 | 14.68 | 33.51 | 5.70 | 305 | 50 | 14.68 | 33.51 | 5.70 | 24.91 | 305 | 0.16 |
| 58 | 14.49 | 33.40 | 5.75 | 309 | 75 | 13.90 | 33.41 | 5.19 | 25.00 | 296 | 0.23 |
| 66 | 14.30 | 33.40 | 5.70 | 305 | 100 | 11.12 | 33.49 | 3.97 | 25.60 | 240 | 0.30 |
| 78 | 13.68 | 33.42 | 5.01 | 291 | 150 | 9.22 | 33.96 | 2.32 | 26.29 | 174 | 0.40 |
| 85 | 12.29 | 33.47 | 4.10 | 262 | 200 | 9.04 | 34.21 | 1.92 | 26.51 | 153 | 0.49 |
| 96 | 11.25 | 33.48 | 4.00 | 243 | 250 | 8.92 | 34.35 | 1.43 | 26.64 | 140 | 0.56 |
| 117 | 9.90 | 33.74 | 3.42 | 201 | 300 | 8.84 | 34.46 | 0.73 | 26.74 | 131 | 0.63 |
| 138 | 9.44 | 33.90 | - | 182 | 400 | 7.88 | 34.45 | 0.29 | 26.88 | 118 | 0.76 |
| 180 | 9.09 | 34.14 | 2.04 | 158 | 500 | 6.87 | 34.43 | 0.45 | 27.01 | 106 | 0.88 |
| 231 | 8.93 | 34.30 | 1.40 | 144 | | | | | | | |
| 322 | 8.76 | 34.47 | 0.38 | 129 | | | | | | | |
| 437 | 7.46 | 34.44 | 0.29 | 113 | | | | | | | |
| 560 | 6.28 | 34.43 | 0.69 | 99 | | | | | | | |

| OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | | SIO CCOFI 5502 |
|--|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-----------------------|--|--------------|-------|----------------------|
| Z m | T °C | S % | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm/g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm/g | ΔD dyn. m | | |
| SPENCER F. BAIRD; February 23, 1955; 0842 GCT; 27°24'N, 116°12'W; sounding, 2200 fm; wind, 360°, force 5; weather, cloudy; sea, rough; wire angle, 30°. | | | | | | | | | | | | 12055 | |
| 0 | 15.40 | 33.53 | 5.55 | 318 | 0 | 15.40 | 33.53 | 5.55 | 24.77 | 318 | 0.00 | | |
| 9 | 15.40 | 33.48 | 5.74 | 322 | 10 | 15.40 | 33.48 | 5.74 | 24.74 | 322 | 0.03 | | |
| 26 | 15.41 | 33.51 | 5.66 | 320 | 20 | 15.40 | 33.50 | 5.70 | 24.75 | 321 | 0.06 | | |
| 48 | 15.40 | 33.48 | 5.65 | 322 | 30 | 15.40 | 33.50 | 5.66 | 24.75 | 321 | 0.10 | | |
| 61 | 14.86 | 33.41 | 5.57 | 316 | 50 | 15.38 | 33.48 | 5.64 | 24.74 | 322 | 0.16 | | |
| 70 | 14.47 | 33.47 | 5.71a) | 303 | 75 | 13.83 | 33.43 | 5.52 | 25.03 | 293 | 0.24 | | |
| 82 | 12.34 | 33.31 | 4.95 | 274 | 100 | 11.19 | 33.39 | 4.53 | 25.51 | 248 | 0.31 | | |
| 101 | 11.18 | 33.39 | 4.52 | 248 | 150 | 10.10 | 33.87 | 2.73 | 26.08 | 194 | 0.42 | | |
| 129 | 10.46 | 33.76 | 3.13 | 209 | 200 | 9.44 | 34.06 | 2.15 | 26.33 | 170 | 0.51 | | |
| 147 | 10.12 | 33.87 | 2.74 | 195 | 250 | 8.76 | 34.21 | 1.52 | 26.56 | 148 | 0.59 | | |
| 199 | 9.45 | 34.06 | 2.16 | 170 | 300 | 8.30 | 34.28 | 1.14 | 26.68 | 137 | 0.67 | | |
| 251 | 8.74 | 34.21 | - | 148 | 400 | 7.43 | 34.35 | 0.56 | 26.87 | 119 | 0.80 | | |
| 336 | 8.00 | 34.32 | 0.89 | 129 | 500 | 6.59 | 34.38 | 0.30 | 27.00 | 106 | 0.92 | | |
| 455 | 6.97 | 34.37 | 0.36 | 111 | 600 | 5.91 | 34.40 | 0.24 | 27.11 | 97 | 1.03 | | |
| 620 | 5.80 | 34.40 | 0.24 | 94 | 700 | 5.34 | 34.42 | 0.24 | 27.20 | 88 | 1.12 | | |
| 830 | 4.77 | 34.44 | 0.31 | 80 | 800 | 4.88 | 34.43 | 0.37 | 27.26 | 82 | 1.22 | | |
| 1131 | 3.76 | 34.49 | 0.64 | 66 | 1000 | 4.11 | 34.47 | 0.50 | 27.38 | 71 | 1.38 | | |
| SPENCER F. BAIRD; February 23, 1955; 0452 GCT; 27°15'N, 116°30.5'W; sounding, 2100 fm; wind, 360°, force 4; weather, missing; sea, rough; wire angle, 30°. | | | | | | | | | | | | 12060 | |
| 0 | 15.81 | 33.44 | 5.78 | 333 | 0 | 15.81 | 33.44 | 5.78 | 24.62 | 333 | 0.00 | | |
| 9 | 15.79 | 33.35 | 5.65 | 340 | 10 | 15.79 | 33.35 | 5.64 | 24.55 | 339 | 0.03 | | |
| 22 | 15.74 | 33.38 | 5.40 | 336 | 20 | 15.77 | 33.38 | 5.44 | 24.58 | 336 | 0.07 | | |
| 48 | 15.05 | 33.30 | 5.85 | 328 | 30 | 15.59 | 33.38 | 5.55 | 24.62 | 333 | 0.10 | | |
| 57 | 15.09 | 33.30 | 5.74 | 329 | 50 | 15.04 | 33.30 | 5.83 | 24.67 | 328 | 0.17 | | |
| 66 | 15.35 | 33.46 | 5.69 | 322 | 75 | 14.64 | 33.42 | 5.60 | 24.86 | 310 | 0.25 | | |
| 78 | 14.20 | 33.39 | 5.53 | 304 | 100 | 11.68 | 33.38 | 4.48 | 25.41 | 258 | 0.32 | | |
| 94 | 12.02 | 33.37 | 4.56 | 264 | 150 | 9.59 | 33.67 | 3.55 | 26.00 | 202 | 0.44 | | |
| 116 | 10.66 | 33.41 | 4.37 | 238 | 200 | 9.56 | 34.12 | 2.30 | 26.36 | 167 | 0.53 | | |
| 138 | 10.10 | 33.59 | 3.89 | 216 | 250 | 9.01 | 34.24 | 1.90 | 26.55 | 150 | 0.61 | | |
| 176 | 9.69 | 33.95 | 2.53 | 182 | 300 | 8.20 | 34.26 | 1.28 | 26.69 | 136 | 0.68 | | |
| 232 | 9.25 | 34.22 | - | 155 | 400 | 7.40 | 34.25 | 0.49 | 26.79 | 127 | 0.82 | | |
| 309 | 8.07 | 34.26 | 1.20 | 135 | 500 | 6.54 | 34.36 | 0.35 | 26.99 | 107 | 0.94 | | |
| 414 | 7.36 | 34.25 | 0.46 | 126 | 600 | 5.87 | 34.43 | 0.32 | 27.15 | 93 | 1.05 | | |
| 561 | 6.05 | 34.42 | 0.32 | 96 | 700 | 5.32 | 34.46 | 0.30 | 27.23 | 85 | 1.15 | | |
| 754 | 5.08 | 34.47 | 0.30 | 82 | 800 | 4.89 | 34.48 | 0.32 | 27.30 | 78 | 1.24 | | |
| 1033 | 4.06 | 34.54 | 0.51 | 66 | 1000 | 4.19 | 34.53 | 0.48 | 27.41 | 68 | 1.40 | | |
| SPENCER F. BAIRD; February 22, 1955; 2337 GCT; 26°55'N, 117°09'W; sounding, 2300 fm; wind, 360°, force 4; weather, cloudy; sea, rough; wire angle, 08°. | | | | | | | | | | | | 12070 | |
| 0 | 15.90 | 33.55 | 5.59 | 327 | 0 | 15.90 | 33.55 | 5.59 | 24.68 | 327 | 0.00 | | |
| 10 | 15.89 | 33.50 | 5.42 | 331 | 10 | 15.89 | 33.50 | 5.42 | 24.64 | 331 | 0.03 | | |
| 25 | 15.87 | 33.53 | 5.40 | 328 | 20 | 15.88 | 33.52 | 5.40 | 24.66 | 329 | 0.07 | | |
| 54 | 15.66 | 33.58 | 5.44 | 320 | 30 | 15.86 | 33.54 | 5.40 | 24.67 | 328 | 0.10 | | |
| 64 | 15.85 | 33.61 | 5.56 | 322 | 50 | 15.69 | 33.56 | 5.44 | 24.73 | 322 | 0.16 | | |
| 73 | 15.62 | 33.58 | 5.47 | 319 | 75 | 15.49 | 33.55 | 5.43 | 24.77 | 319 | 0.24 | | |
| 88 | 14.36 | 33.35 | 5.06 | 310 | 100 | 13.00 | 33.37 | 4.39 | 25.15 | 283 | 0.32 | | |
| 107 | 12.20 | 33.42 | 3.94 | 284 | 150 | 11.01 | 33.93 | 2.16 | 25.95 | 206 | 0.44 | | |
| 131 | 11.38 | 33.76 | 2.73 | 224 | 200 | 10.29 | 34.18 | 1.79 | 26.28 | 174 | 0.54 | | |
| 160 | 11.12 | 34.09 | 1.83 | 196 | 250 | 9.00 | 34.36 | 1.39 | 26.64 | 141 | 0.62 | | |
| 212 | 9.89 | 34.22 | 1.80 | 166 | 300 | 8.59 | 34.38 | 1.18 | 26.72 | 133 | 0.70 | | |
| 288 | 8.70 | 34.38 | - | 135 | 400 | 7.33 | 34.36 | 0.59 | 26.88 | 118 | 0.82 | | |
| 384 | 7.46 | 34.36 | 0.65 | 119 | 500 | 6.70 | 34.38 | 0.35 | 26.99 | 108 | 0.94 | | |
| 534 | 6.51 | 34.39 | 0.30 | 105 | 600 | 6.09 | 34.40 | 0.28 | 27.09 | 98 | 1.05 | | |
| 723 | 5.30 | 34.43 | 0.28 | 87 | 700 | 5.48 | 34.42 | 0.28 | 27.19 | 89 | 1.15 | | |
| 960 | 4.25 | 34.47 | 0.49 | 73 | 800 | 4.93 | 34.44 | 0.32 | 27.26 | 82 | 1.25 | | |
| 1269 | 3.42 | 34.52 | 0.80 | 61 | 1000 | 4.11 | 34.48 | 0.54 | 27.37 | 71 | 1.41 | | |

a) Mean value of 5.61 and 5.81 ml/L.

SIO

CCOFI
5502

| | OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|--|----------|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-----------------------|--|--------------|--|
| | Z m | T °C | S ‰ | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm ³ /g | Z m | T °C | S ‰ | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm ³ /g | ΔD dyn. m | |

12080

SPENCER F. BAIRD; February 22, 1955; 1817 GCT; 26°38.5'N, 117°48.5'W; sounding, 2150 fm; wind, 050°, force 4; weather, cloudy; sea, rough; wire angle, 14°.

| | | | | | | | | | | | |
|------|-------|-------|------|-----|------|-------|-------|------|-------|-----|------|
| 0 | 16.16 | 33.50 | 5.45 | 337 | 0 | 16.16 | 33.50 | 5.45 | 24.58 | 337 | 0.00 |
| 10 | 16.16 | 33.50 | 5.49 | 337 | 10 | 16.16 | 33.50 | 5.49 | 24.58 | 337 | 0.03 |
| 25 | 16.17 | 33.56 | 5.47 | 332 | 20 | 16.17 | 33.54 | 5.47 | 24.61 | 334 | 0.07 |
| 54 | 15.42 | 33.40 | 5.42 | 328 | 30 | 16.17 | 33.56 | 5.44 | 24.63 | 332 | 0.10 |
| 64 | 15.36 | 33.40 | 5.47 | 326 | 50 | 15.60 | 33.45 | 5.42 | 24.65 | 330 | 0.17 |
| 73 | 15.32 | 33.37 | 5.38 | 328 | 75 | 15.30 | 33.36 | 5.36 | 24.67 | 328 | 0.15 |
| 88 | 14.15 | 33.25 | 5.33 | 313 | 100 | 12.35 | 33.20 | 4.90 | 25.13 | 284 | 0.33 |
| 107 | 11.61 | 33.20 | 4.68 | 270 | 150 | 10.18 | 33.56 | 3.66 | 25.82 | 219 | 0.45 |
| 130 | 10.52 | 33.46 | 4.11 | 232 | 200 | 9.40 | 34.04 | 2.42 | 26.32 | 171 | 0.55 |
| 160 | 9.88 | 33.59 | 3.48 | 212 | 250 | 8.95 | 34.21 | 1.95 | 26.53 | 151 | 0.64 |
| 212 | 9.28 | 34.12 | 2.28 | 163 | 300 | 8.42 | 34.28 | 1.48 | 26.66 | 139 | 0.71 |
| 288 | 8.59 | 34.27 | - | 141 | 400 | 7.23 | 34.36 | 0.53 | 26.90 | 116 | 0.84 |
| 392 | 7.33 | 34.35 | 0.57 | 118 | 500 | 6.50 | 34.40 | 0.33 | 27.03 | 104 | 0.96 |
| 530 | 6.30 | 34.42 | 0.28 | 100 | 600 | 5.91 | 34.45 | 0.27 | 27.15 | 92 | 1.06 |
| 716 | 5.25 | 34.49 | 0.26 | 82 | 700 | 5.35 | 34.48 | 0.26 | 27.25 | 83 | 1.16 |
| 948 | 4.27 | 34.52 | 0.46 | 69 | 800 | 4.87 | 34.50 | 0.31 | 27.31 | 77 | 1.24 |
| 1251 | 3.45 | 34.63 | 0.77 | 53 | 1000 | 4.13 | 34.53 | 0.51 | 27.42 | 67 | 1.40 |

120.90

SPENCER F. BAIRD; February 22, 1955; 1246 GCT; 26°14'N, 118°32'W; sounding, 2250 fm; wind, 030°, force 4; weather, clear; sea, rough; wire angle, 25°.

| | | | | | | | | | | | |
|------|-------|---------|------|-----|------|-------|---------|------|---------|-------|--------|
| 0 | 15.36 | 33.41 | 5.76 | 326 | 0 | 15.36 | 33.41 | 5.76 | 24.69 | 326 | 0.00 |
| 10 | 15.36 | 33.39 | 5.68 | 327 | 10 | 15.36 | 33.39 | 5.68 | 24.68 | 327 | 0.03 |
| 24 | 15.37 | 33.45 | 5.69 | 323 | 20 | 15.36 | 33.43 | 5.69 | 24.71 | 324 | 0.06 |
| 51 | 15.02 | 33.36 | 5.72 | 323 | 30 | 15.32 | 33.42 | 5.70 | 24.72 | 323 | 0.10 |
| 60 | 14.82 | 33.36 | 5.71 | 319 | 50 | 15.06 | 33.37 | 5.71 | 24.72 | 323 | 0.16 |
| 69 | 14.67 | 33.37 | 5.71 | 315 | 75 | 14.38 | 33.36 | 5.68 | 24.85 | 311 | 0.24 |
| 83 | 13.17 | 33.19 | 5.41 | 298 | 100 | 11.39 | 33.18 | 4.85 | 25.31 | 267 | 0.32 |
| 101 | 11.25 | 33.18 | 4.79 | 265 | 150 | 9.73 | 33.97 | 2.58 | 26.22 | 181 | 0.43 |
| 122 | 10.10 | 33.40 | 4.06 | 230 | 200 | 8.88 | 34.07 | 2.48 | 26.44 | 160 | 0.52 |
| 149 | 9.75 | 33.94 | 2.64 | 184 | 250 | 8.59 | 34.23 | 1.90 | 26.61 | 144 | 0.59 |
| 196 | 8.93 | 34.06 | 2.52 | 162 | 300 | 8.42 | 34.38 | 1.30 | 26.74 | 131 | 0.66 |
| 264 | 8.52 | 34.30a) | - | 138 | 400 | 7.64 | 34.45 | 0.39 | 26.91 | 116 | 0.79 |
| 361 | 8.12 | 34.46 | 0.44 | 121 | 500 | 6.30 | (34.38) | 0.42 | (27.04) | (103) | (0.91) |
| 487 | 6.41 | 34.38 | 0.43 | 104 | 600 | 5.71 | (34.43) | 0.30 | (27.17) | (91) | (1.01) |
| 663 | 5.35 | 34.66r | 0.28 | - | 700 | 5.19 | (34.50) | 0.29 | (27.28) | (81) | (1.10) |
| 880 | 4.43 | 34.55 | 0.45 | 69 | 800 | 4.73 | (34.53) | 0.38 | (27.35) | (73) | (1.18) |
| 1172 | 3.58 | 34.57 | 0.76 | 59 | 1000 | 4.06 | 34.56 | 0.58 | 27.45 | 64 | (1.34) |

120.100

SPENCER F. BAIRD; February 22, 1955; 0735 GCT; 25°57'N, 119°06'W; sounding, 2300 fm; wind, 050°, force 4; weather, partly cloudy; sea, rough; wire angle, 02°.

| | | | | | | | | | | | |
|------|-------|---------|------|-----|------|-------|-------|------|-------|-----|------|
| 0 | 16.44 | 33.58 | 5.45 | 337 | 0 | 16.44 | 33.58 | 5.45 | 24.58 | 337 | 0.00 |
| 10 | 16.43 | 33.55 | 5.36 | 339 | 10 | 16.43 | 33.55 | 5.36 | 24.56 | 339 | 0.03 |
| 25 | 16.45 | 33.58 | 5.35 | 337 | 20 | 16.45 | 33.58 | 5.35 | 24.56 | 338 | 0.07 |
| 55 | 16.45 | 33.57 | 5.47 | 338 | 30 | 16.45 | 33.58 | 5.38 | 24.56 | 338 | 0.10 |
| 65 | 15.83 | 33.41 | 5.32 | 336 | 50 | 16.46 | 33.58 | 5.46 | 24.56 | 338 | 0.17 |
| 74 | 15.35 | 33.38 | 5.54 | 328 | 75 | 15.32 | 33.38 | 5.54 | 24.68 | 327 | 0.25 |
| 89 | 14.85 | 33.38 | 5.11 | 318 | 100 | 14.20 | 33.39 | 5.02 | 24.92 | 304 | 0.33 |
| 108 | 13.20 | 33.42 | 4.96 | 282 | 150 | 10.38 | 33.58 | 4.02 | 25.80 | 221 | 0.46 |
| 133 | 11.18 | 33.46b) | 4.76 | 243 | 200 | 9.82 | 33.99 | 2.62 | 26.21 | 182 | 0.57 |
| 161 | 10.14 | 33.68 | 3.61 | 209 | 250 | 9.25 | 34.16 | 2.00 | 26.45 | 159 | 0.66 |
| 213 | 9.73 | 34.04 | 2.40 | 176 | 300 | 8.59 | 34.26 | 1.49 | 26.63 | 142 | 0.73 |
| 291 | 8.70 | 34.25 | - | 144 | 400 | 7.50 | 34.30 | 0.73 | 26.82 | 124 | 0.87 |
| 397 | 7.55 | 34.30 | 0.76 | 125 | 500 | 6.67 | 34.38 | 0.36 | 26.99 | 108 | 0.99 |
| 538 | 6.40 | 34.39 | 0.30 | 103 | 600 | 5.97 | 34.41 | 0.31 | 27.11 | 96 | 1.10 |
| 727 | 5.15 | 34.43 | 0.33 | 85 | 700 | 5.31 | 34.42 | 0.32 | 27.20 | 88 | 1.20 |
| 962 | 4.32 | 34.52 | 0.51 | 70 | 800 | 4.84 | 34.47 | 0.39 | 27.29 | 79 | 1.29 |
| 1268 | 3.44 | 34.52 | 0.80 | 61 | 1000 | 4.19 | 34.52 | 0.56 | 27.41 | 68 | 1.45 |

a) Mean value of 34.27 and 34.34‰.

b) Mean value of 33.43 and 33.48‰.

| OBSERVED | | | | | | INTERPOLATED | | | | COMPUTED | | | SIO CCOFI 5502 |
|--|---------|--------|------------------------|--|--------|--------------|---------|------------------------|-----------------------|--|--------------|--------|----------------------|
| Z m | T °C | S ‰ | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm/g | Z m | T °C | S ‰ | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm/g | ΔD dyn. m | | |
| SPENCER F. BAIRD; February 21, 1955; 0040 GCT; 27°24.5'N, 114°40.5'W; sounding, 40 fm; wind, 340°, force 3; weather, clear; sea, rough; wire angle, 01°. | | | | | | | | | | | | 123.37 | |
| 0 | 15.44 | 33.67 | 5.47 | 309 | 0 | 15.44 | 33.67 | 5.47 | 24.87 | 309 | 0.00 | | |
| 10 | 15.44 | 33.67 | 5.49 | 309 | 10 | 15.44 | 33.67 | 5.49 | 24.87 | 309 | 0.03 | | |
| 15 | 15.40 | 33.68 | 5.57 | 308 | 20 | 15.05 | 33.63 | 5.51 | 24.93 | 304 | 0.06 | | |
| 20 | 15.05 | 33.63 | 5.51 | 304 | 30 | 13.72 | 33.53 | 4.95 | 25.13 | 284 | 0.09 | | |
| 25 | 14.85 | 33.61 | 5.45 | 301 | 50 | 12.26 | 33.70 | 3.30 | 25.54 | 245 | 0.16 | | |
| 30 | 13.72 | 33.53 | 4.95 | 284 | | | | | | | | | |
| 35 | 13.25 | 33.56 | 4.66 | 273 | | | | | | | | | |
| 40 | 12.96 | 33.59 | 4.05 | 265 | | | | | | | | | |
| 45 | 12.76 | 33.65 | 3.74 | 257 | | | | | | | | | |
| 50 | 12.26 | 33.70 | 3.30 | 245 | | | | | | | | | |
| SPENCER F. BAIRD; February 21, 1955; 0303 GCT; 27°18.5'N, 114°52'W; sounding, 300 fm; wind, 360°, force 4; weather, clear; sea, rough; wire angle, 20°. | | | | | | | | | | | | 123.40 | |
| 0 | 15.51 | 33.68 | 5.57 | 309 | 0 | 15.51 | 33.68 | 5.57 | 24.87 | 309 | 0.00 | | |
| 10 | 15.50 | 33.66 | 5.63 | 311 | 10 | 15.50 | 33.66 | 5.63 | 24.85 | 311 | 0.03 | | |
| 29 | 15.40 | 33.64 | 5.48 | 310 | 20 | 15.47 | 33.65 | 5.63 | 24.85 | 311 | 0.06 | | |
| 38 | 13.79 | 33.48 | 5.04 | 289 | 30 | 15.39 | 33.63 | 5.46 | 24.86 | 310 | 0.09 | | |
| 48 | 12.58 | 33.47 | 4.10 | 267 | 50 | 12.48 | 33.47 | 4.06 | 25.33 | 265 | 0.15 | | |
| 57 | 12.17 | 33.48 | 3.98 | 258 | 75 | 11.06 | 33.80 | 2.82 | 25.85 | 216 | 0.21 | | |
| 66 | 11.40 | 33.58 | 3.29 | 238 | 100 | 11.83 | 34.28 | 1.41 | 26.08 | 194 | 0.26 | | |
| 75 | 11.06 | 33.80 | 2.82 | 216 | 150 | 10.29 | 34.31 | 1.50 | 26.38 | 165 | 0.35 | | |
| 84 | 11.61 | 34.08 | 2.09 | 205 | 200 | 10.66 | 34.56 | 0.56 | 26.52 | 152 | 0.43 | | |
| 93 | 11.99 | 34.24 | 1.62 | 200 | 250 | 10.01 | 34.54 | 0.51 | 26.61 | 144 | 0.51 | | |
| 111 | 11.48 | 34.30 | 1.37 | 186 | 300 | 9.49 | 34.53 | 0.46 | 26.67 | 138 | 0.58 | | |
| 135 | 10.44 | 34.24 | - | 173 | 400 | 8.37 | 34.51 | 0.35 | 26.85 | 121 | 0.71 | | |
| 153 | 10.28 | 34.31 | 1.44 | 165 | 500 | (6.88) | (34.45) | | (27.02) | (105) | (0.83) | | |
| 190 | 10.74 | 34.56 | 0.62 | 154 | | | | | | | | | |
| 265 | 9.82 | 34.53 | 0.50 | 142 | | | | | | | | | |
| 362 | 8.86 | 34.52 | 0.38 | 127 | | | | | | | | | |
| 477 | 7.22 | 34.46 | 0.26 | 109 | | | | | | | | | |
| SPENCER F. BAIRD; February 21, 1955; 0623 GCT; 27°08'N, 115°14'W; sounding, 2350 fm; wind, 010°, force 5; weather, clear; sea, rough; wire angle, 10°. | | | | | | | | | | | | 123.45 | |
| 0 | 15.17 | 33.57 | 5.63 | 310 | 0 | 15.17 | 33.57 | 5.63 | 24.86 | 310 | 0.00 | | |
| 10 | 15.16 | 33.52 | 5.51 | 313 | 10 | 15.16 | 33.52 | 5.51 | 24.83 | 313 | 0.03 | | |
| 30 | 15.15 | 33.54 | 6.32 | 312 | 20 | 15.16 | 33.53 | 5.93 | 24.83 | 313 | 0.06 | | |
| 45 | 15.00 | 33.55 | 5.39 | 308 | 30 | 15.15 | 33.54 | 6.32 | 24.84 | 312 | 0.09 | | |
| 59 | 13.34 | 33.39 | 4.77 | 288 | 50 | 14.76 | 33.54 | 5.19 | 24.92 | 305 | 0.16 | | |
| 69 | 11.71 | 33.30 | 4.70 | 264 | 75 | 11.12 | 33.34 | 4.39 | 25.48 | 251 | 0.22 | | |
| 78 | 11.48 | 33.51 | 3.85 | 245 | 100 | 11.60 | 33.94 | 2.27 | 25.86 | 215 | 0.28 | | |
| 93 | 11.62 | 33.85 | 2.54 | 222 | 150 | 11.10 | 34.43 | 1.03 | 26.33 | 170 | 0.38 | | |
| 103 | 11.57 | 33.99 | 2.15 | 210 | 200 | 10.52 | 34.49 | 0.90 | 26.48 | 156 | 0.46 | | |
| 118 | 11.33 | 34.17 | 1.84 | 193 | 250 | 9.99 | 34.50 | 0.85 | 26.58 | 146 | 0.54 | | |
| 147 | 11.14 | 34.42 | 1.08 | 171 | 300 | 9.49 | 34.57 | 0.41 | 26.72 | 133 | 0.61 | | |
| 175 | 10.81 | 34.49 | - | 160 | 400 | 7.84 | 34.46 | 0.32 | 26.89 | 117 | 0.74 | | |
| 232 | 10.13 | 34.48 | 0.89 | 150 | 500 | 6.73 | 34.45 | 0.27 | 27.04 | 103 | 0.86 | | |
| 300 | 9.49 | 34.57 | 0.41 | 133 | 600 | 5.99 | 34.46 | 0.25 | 27.16 | 92 | 0.96 | | |
| 426 | 7.47 | 34.45 | 0.32 | 113 | 700 | (5.39) | (34.48) | (0.27) | (27.24) | (84) | (1.05) | | |
| 552 | 6.30 | 34.46 | 0.24 | 97 | | | | | | | | | |
| 690 | 5.41 | 34.48 | 0.27 | 84 | | | | | | | | | |

SIO

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5502

| | OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|--|----------|---------|--------|------------------------|---|--------------|---------|--------|------------------------|-----------------------|---|--------------|--|
| | Z m | T °C | S % | O ₂ ml/L | δT 10 ⁻⁵ cm ³ /g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δT 10 ⁻⁵ cm ³ /g | ΔD dyn. m | |

12350

SPENCER F. BAIRD; February 21, 1955; 0937 GCT; 26°55.5'N, 115°33.5'W; sounding, 1800 fm; wind, 040°, force 5; weather, clear; sea, rough; wire angle, 05°.

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|--------|---------|------|---------|------|--------|
| 0 | 15.46 | 33.50 | 5.65 | 322 | 0 | 15.46 | 33.50 | 5.65 | 24.74 | 322 | 0.00 |
| 10 | 15.46 | 33.44 | 5.76 | 325 | 10 | 15.46 | 33.44 | 5.76 | 24.70 | 325 | 0.03 |
| 30 | 15.46 | 33.50 | 5.60 | 322 | 20 | 15.46 | 33.48 | 5.65 | 24.72 | 323 | 0.06 |
| 45 | 15.10 | 33.52 | 5.55 | 313 | 30 | 15.46 | 33.50 | 5.60 | 24.74 | 322 | 0.10 |
| 60 | 14.70 | 33.46 | 5.50 | 309 | 50 | 14.96 | 33.50 | 5.54 | 24.85 | 311 | 0.16 |
| 70 | 14.29 | 33.47 | 5.30 | 300 | 75 | 13.51 | 33.40 | 5.12 | 25.07 | 290 | 0.24 |
| 80 | 12.75 | 33.32 | 5.07 | 281 | 100 | 11.04 | 33.44 | 3.90 | 25.57 | 242 | 0.30 |
| 95 | 11.28 | 33.32 | 4.37 | 255 | 150 | 10.75 | 34.14 | 1.75 | 26.17 | 185 | 0.41 |
| 104 | 10.87 | 33.56 | 3.49 | 230 | 200 | 10.28 | 34.43 | 1.12 | 26.48 | 156 | 0.50 |
| 119 | 9.88 | 33.70 | 3.26 | 204 | 250 | 9.81 | 34.53 | 0.78 | 26.64 | 141 | 0.57 |
| 148 | 10.75 | 34.14 | 1.79 | 185 | 300 | 9.19 | 34.53 | 0.44 | 26.74 | 131 | 0.64 |
| 177 | 10.49 | 34.34 | - | 166 | 400 | 7.72 | 34.43 | 0.30 | 26.88 | 118 | 0.77 |
| 235 | 9.99 | 34.52 | 0.87 | 145 | 500 | 6.88 | 34.43 | 0.27 | 27.01 | 106 | 0.89 |
| 303 | 9.16 | 34.53 | 0.43 | 131 | 600 | 6.19 | 34.46 | 0.21 | 27.12 | 95 | 1.00 |
| 420 | 7.50 | 34.42 | 0.29 | 115 | 700 | (5.45) | (34.48) | 0.18 | (27.23) | (85) | (1.09) |
| 567 | 6.40 | 34.45 | 0.23 | 99 | | | | | | | |
| 697 | 5.46 | 34.48 | 0.18 | 85 | | | | | | | |

12355

SPENCER F. BAIRD; February 21, 1955; 1248 GCT; 26°45'N, 115°51.5'W; sounding, 2100 fm; wind, 030°, force 5; weather, clear; sea, rough; wire angle, 31°.

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 15.51 | 33.39 | 5.82 | 331 | 0 | 15.51 | 33.39 | 5.82 | 24.64 | 331 | 0.00 |
| 10 | 15.54 | 33.40 | 6.19 | 330 | 10 | 15.54 | 33.40 | 6.19 | 24.65 | 330 | 0.03 |
| 27 | 15.52 | 33.41 | 5.68 | 330 | 20 | 15.52 | 33.40 | 5.90 | 24.65 | 330 | 0.07 |
| 40 | 15.53 | 33.43 | 5.80 | 328 | 30 | 15.52 | 33.41 | 5.75 | 24.66 | 329 | 0.10 |
| 52 | 15.54 | 33.44 | 5.51 | 328 | 50 | 15.53 | 33.44 | 5.55 | 24.68 | 328 | 0.16 |
| 61 | 15.64 | 33.57 | 5.41 | 321 | 75 | 15.70 | 33.65 | 5.25 | 24.80 | 316 | 0.24 |
| 69 | 15.74 | 33.65 | 5.25 | 317 | 100 | 13.42 | 33.30 | 5.35 | 25.01 | 296 | 0.32 |
| 81 | 15.65 | 33.65 | 5.27 | 314 | 150 | 10.18 | 33.61 | 3.51 | 25.86 | 215 | 0.45 |
| 89 | 15.39 | 33.62 | 5.31 | 312 | 200 | 9.51 | 34.04 | 2.32 | 26.42 | 162 | 0.55 |
| 100 | 13.42 | 33.30 | 5.35 | 296 | 250 | 8.81 | 34.24 | 1.51 | 26.58 | 147 | 0.63 |
| 120 | 10.79 | 33.37 | 4.59 | 242 | 300 | 8.32 | 34.33 | 1.08 | 26.72 | 133 | 0.71 |
| 138 | 10.28 | 33.47 | - | 228 | 400 | 7.74 | 34.41 | 0.40 | 26.86 | 120 | 0.84 |
| 176 | 9.91 | 33.87 | 2.91 | 191 | 500 | 7.03 | 34.46 | 0.19 | 27.00 | 106 | 0.96 |
| 222 | 9.18 | 34.15 | 1.90 | 159 | | | | | | | |
| 301 | 8.31 | 34.33 | 1.05 | 133 | | | | | | | |
| 403 | 7.74 | 34.41 | 0.40 | 119 | | | | | | | |
| 516 | 6.92 | 34.46 | 0.18 | 104 | | | | | | | |

12734

SPENCER F. BAIRD; February 20, 1955; 1912 GCT; 26°55.5'N, 114°06.5'W; sounding, 45 fm; wind, 020°, force 3; weather, clear; sea, slight; wire angle, 04°.

| | | | | | | | | | | | |
|----|-------|-------|------|-----|----|-------|-------|------|-------|-----|------|
| 0 | 15.23 | 33.68 | 5.47 | 304 | 0 | 15.23 | 33.68 | 5.47 | 24.92 | 304 | 0.00 |
| 10 | 15.17 | 33.64 | 5.41 | 305 | 10 | 15.17 | 33.64 | 5.41 | 24.91 | 305 | 0.03 |
| 20 | 15.03 | 33.58 | 5.35 | 307 | 20 | 15.03 | 33.58 | 5.35 | 24.89 | 307 | 0.06 |
| 25 | 14.84 | 33.57 | 5.38 | 304 | 30 | 14.20 | 33.49 | 5.19 | 25.00 | 297 | 0.09 |
| 30 | 14.20 | 33.49 | 5.19 | 297 | 50 | 12.03 | 33.37 | 4.37 | 25.34 | 265 | 0.15 |
| 35 | 13.80 | 33.43 | 5.18 | 293 | | | | | | | |
| 40 | 12.88 | 33.37 | 4.76 | 280 | | | | | | | |
| 45 | 12.48 | 33.33 | 4.59 | 276 | | | | | | | |
| 50 | 12.03 | 33.37 | 4.37 | 265 | | | | | | | |
| 60 | 11.65 | 33.53 | 3.77 | 246 | | | | | | | |

| OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | | SIO CCOFI 5502 |
|----------|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-----------------------|--|---------------|--|----------------------|
| Z m | T °C | S ‰ | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm/g | Z m | T °C | S ‰ | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm/g | ΔD dyn. cm | | |

SPENCER F. BAIRD; February 20, 1955; 1516 GCT; 26°56.5'N, 114°40.5'W; sounding, 1750 fm; wind, 360°, force 4; weather, partly cloudy; sea, very rough; wire angle, 17°. 12740

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 16.06 | 33.72 | 5.49 | 318 | 0 | 16.06 | 33.72 | 5.49 | 24.78 | 318 | 0.00 |
| 10 | 16.08 | 33.75 | 5.45 | 316 | 10 | 16.08 | 33.75 | 5.45 | 24.79 | 316 | 0.03 |
| 30 | 16.07 | 33.71 | 5.30 | 320 | 20 | 16.08 | 33.73 | 5.40 | 24.78 | 318 | 0.06 |
| 43 | 16.07 | 33.71 | 5.44 | 320 | 30 | 16.07 | 33.71 | 5.30 | 24.76 | 320 | 0.10 |
| 57 | 15.85 | 33.71 | 5.46 | 315 | 50 | 16.00 | 33.71 | 5.45 | 24.77 | 319 | 0.16 |
| 66 | 14.02 | 33.57 | 4.51 | 288 | 75 | 12.78 | 33.49 | 3.88 | 25.29 | 269 | 0.23 |
| 75 | 12.78 | 33.49 | 3.88 | 269 | 100 | 10.74 | 33.71 | 3.28 | 25.84 | 217 | 0.30 |
| 89 | 11.53 | 33.55 | 3.65 | 242 | 150 | 10.56 | 34.27 | 1.69 | 26.31 | 172 | 0.39 |
| 98 | 10.79 | 33.68 | 3.34 | 220 | 200 | 10.28 | 34.48 | 0.91 | 26.52 | 152 | 0.48 |
| 111 | 10.60 | 33.83 | 2.79 | 206 | 250 | 9.80 | 34.52 | 0.63 | 26.64 | 141 | 0.55 |
| 137 | 10.60 | 34.13 | 1.98 | 184 | 300 | 9.20 | 34.53 | 0.52 | 26.73 | 132 | 0.62 |
| 163 | 10.48 | 34.34 | - | 166 | 400 | 7.92 | 34.50 | 0.30 | 26.91 | 116 | 0.75 |
| 217 | 10.14 | 34.50 | 0.72 | 148 | 500 | 6.82 | 34.46 | 0.18 | 27.03 | 104 | 0.86 |
| 281 | 9.43 | 34.53 | 0.57 | 136 | 600 | 6.07 | 34.46 | 0.16 | 27.14 | 93 | 0.97 |
| 389 | 8.02 | 34.50 | 0.33 | 117 | | | | | | | |
| 519 | 6.64 | 34.46 | 0.16 | 102 | | | | | | | |
| 653 | 5.78 | 34.47 | 0.18 | 89 | | | | | | | |

SPENCER F. BAIRD; February 20, 1955; 1127 GCT; 26°42.5'N, 114°58'W; sounding, 2050 fm; wind, 020°, force 6; weather, clear; sea, very rough; wire angle, 20°. 127.45

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 15.02 | 33.60 | 5.82 | 305 | 0 | 15.02 | 33.60 | 5.82 | 24.91 | 305 | 0.00 |
| 10 | 15.04 | 33.59 | 5.63 | 306 | 10 | 15.04 | 33.59 | 5.63 | 24.90 | 306 | 0.03 |
| 29 | 14.58 | 33.60 | 5.67 | 296 | 20 | 14.91 | 33.59 | 5.58 | 24.93 | 304 | 0.06 |
| 42 | 12.92 | 33.55 | 4.73 | 268 | 30 | 14.42 | 33.60 | 5.64 | 25.03 | 294 | 0.09 |
| 56 | 12.10 | 33.51 | 3.65 | 255 | 50 | 12.41 | 33.53 | 3.96 | 25.39 | 260 | 0.15 |
| 65 | 11.56 | 33.50 | 3.88 | 246 | 75 | 11.46 | 33.65 | 3.24 | 25.66 | 234 | 0.21 |
| 74 | 11.46 | 33.65 | 3.25 | 234 | 100 | 10.69 | 33.85 | 2.69 | 25.95 | 206 | 0.26 |
| 87 | 11.02 | 33.74 | 2.85 | 220 | 150 | 10.15 | 34.15 | 2.00 | 26.28 | 175 | 0.36 |
| 109 | 10.51 | 33.89 | 2.66 | 200 | 200 | 10.04 | 34.41 | 1.57 | 26.51 | 154 | 0.44 |
| 135 | 10.10 | 33.98 | 2.38 | 186 | | | | | | | |
| 162 | 10.18 | 34.27 | - | 166 | | | | | | | |
| 220 | 9.96 | 34.45 | 1.52 | 149 | | | | | | | |

SPENCER F. BAIRD; February 20, 1955; 0744 GCT; 26°32.5'N, 115°11.5'W; sounding, 2300 fm; wind, 020°, force 6; weather, clear; sea, rough; wire angle, 10°. 127.50

| | | | | | | | | | | | |
|-----|-------|--------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 15.49 | 33.58 | 5.51 | 317 | 0 | 15.49 | 33.58 | 5.51 | 24.79 | 317 | 0.00 |
| 10 | 15.50 | 33.56 | 5.47 | 318 | 10 | 15.50 | 33.56 | 5.47 | 24.77 | 318 | 0.03 |
| 30 | 15.52 | 33.57 | 5.35 | 318 | 20 | 15.51 | 33.56 | 5.40 | 24.78 | 318 | 0.06 |
| 45 | 13.91 | 33.58 | 5.52 | 284 | 30 | 15.52 | 33.57 | 5.35 | 24.78 | 318 | 0.10 |
| 60 | 12.50 | 33.58 | 3.93 | 258 | 50 | 13.36 | 33.58 | 4.68 | 25.24 | 274 | 0.15 |
| 70 | 11.85 | 33.59 | 3.65 | 245 | 75 | 11.54 | 33.60 | 3.44 | 25.60 | 239 | 0.22 |
| 80 | 11.33 | 33.62 | 3.09 | 234 | 100 | 10.94 | 33.77 | 2.59 | 25.84 | 216 | 0.28 |
| 96 | 11.01 | 33.84u | 2.61 | - | 150 | 10.28 | 34.14 | 1.92 | 26.25 | 178 | 0.38 |
| 105 | 10.89 | 33.80 | 2.58 | 212 | 200 | 10.14 | 34.42 | 1.18 | 26.50 | 155 | 0.46 |
| 120 | 10.99 | 34.00 | 2.03 | 200 | 250 | 9.49 | 34.41 | 0.72 | 26.60 | 145 | 0.54 |
| 149 | 10.28 | 34.14 | 1.93 | 178 | 300 | 8.83 | 34.42 | 0.55 | 26.71 | 134 | 0.61 |
| 179 | 10.33 | 34.42 | - | 158 | 400 | 7.74 | 34.42 | 0.34 | 26.87 | 119 | 0.74 |
| 238 | 9.62 | 34.41 | 0.76 | 147 | 500 | 6.91 | 34.43 | 0.21 | 27.00 | 106 | 0.86 |
| 305 | 8.78 | 34.42 | 0.53 | 133 | 600 | 6.18 | 34.44 | 0.18 | 27.11 | 96 | 0.96 |
| 423 | 7.54 | 34.42 | 0.32 | 116 | 700 | 5.46 | 34.45 | 0.21 | 27.20 | 88 | 1.06 |
| 561 | 6.42 | 34.44 | 0.18 | 100 | | | | | | | |
| 703 | 5.44 | 34.45 | 0.22 | 87 | | | | | | | |

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| | OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|--|----------|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-----------------------|--|--------------|--|
| | Z m | T °C | S % | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm ³ /g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm ³ /g | ΔD dyn. m | |

127.55

SPENCER F. BAIRD; February 20, 1955; 0410 GCT; 26°20'N, 115°28'W; sounding, 2000 fm; wind, 020°, force 5; weather, partly cloudy; sea, rough; wire angle, 28°.

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|--------|---------|--------|---------|------|--------|
| 0 | 16.24 | 33.68 | 5.50 | 325 | 0 | 16.24 | 33.68 | 5.50 | 24.70 | 325 | 0.00 |
| 9 | 16.26 | 33.67 | 5.53 | 326 | 10 | 16.26 | 33.66 | 5.53 | 24.68 | 327 | 0.03 |
| 27 | 16.27 | 33.66 | 5.52 | 327 | 20 | 16.26 | 33.66 | 5.53 | 24.68 | 327 | 0.06 |
| 40 | 16.16 | 33.62 | 5.60 | 328 | 30 | 16.25 | 33.65 | 5.56 | 24.68 | 328 | 0.10 |
| 54 | 15.63 | 33.62 | 5.62 | 317 | 50 | 15.83 | 33.62 | 5.62 | 24.74 | 321 | 0.16 |
| 62 | 15.08 | 33.61 | 5.85 | 306 | 75 | 13.80 | 33.49 | 5.04 | 25.08 | 289 | 0.24 |
| 71 | 14.40 | 33.51 | 5.48 | 299 | 100 | 11.57 | 33.62 | 3.30 | 25.64 | 236 | 0.31 |
| 84 | 12.27 | 33.47 | 4.04 | 262 | 150 | 10.20 | 33.92 | 2.40 | 26.09 | 193 | 0.42 |
| 92 | 11.46 | 33.45 | 3.97 | 249 | 200 | 10.58 | 34.38 | 1.20 | 26.39 | 165 | 0.50 |
| 104 | 11.56 | 33.72 | 3.03 | 230 | 250 | 10.18 | 34.53 | 0.58 | 26.58 | 147 | 0.58 |
| 129 | 10.90 | 33.73 | 2.89 | 218 | 300 | 9.60 | 34.54 | 0.38 | 26.68 | 138 | 0.66 |
| 152 | 10.20 | 33.96 | - | 190 | 400 | 8.36 | 34.46 | 0.27 | 26.82 | 124 | 0.79 |
| 197 | 10.56 | 34.35 | 1.28 | 167 | 500 | 7.10 | 34.41 | 0.21 | 26.96 | 110 | 0.92 |
| 251 | 10.18 | 34.54 | 0.56 | 146 | 600 | (6.10) | (34.43) | (0.24) | (27.12) | (96) | (1.03) |
| 347 | 9.05 | 34.51 | 0.32 | 130 | | | | | | | |
| 465 | 7.44 | 34.41 | 0.21 | 115 | | | | | | | |
| 592 | 6.21 | 34.43 | 0.22 | 98 | | | | | | | |

130.30

SPENCER F. BAIRD; February 19, 1955; 0314 GCT; 26°29.5'N, 113°32'W; sounding, 45 fm; wind, 280°, force 5; weather, clear; sea, rough; wire angle, 13°.

| | | | | | | | | | | | |
|----|-------|-------|------|-----|----|-------|-------|------|-------|-----|------|
| 0 | 16.77 | 33.87 | 5.36 | 323 | 0 | 16.77 | 33.87 | 5.36 | 24.73 | 323 | 0.00 |
| 10 | 16.76 | 33.86 | 4.76 | 323 | 10 | 16.76 | 33.86 | 4.76 | 24.72 | 323 | 0.03 |
| 20 | 16.79 | 33.86 | 5.21 | 324 | 20 | 16.79 | 33.86 | 5.21 | 24.71 | 324 | 0.06 |
| 25 | 16.76 | 33.84 | 5.23 | 325 | 30 | 16.54 | 33.86 | 5.21 | 24.77 | 319 | 0.10 |
| 30 | 16.54 | 33.86 | 5.21 | 319 | 50 | 14.09 | 33.71 | 3.91 | 25.20 | 278 | 0.16 |
| 35 | 15.85 | 33.80 | 4.84 | 308 | | | | | | | |
| 40 | 15.26 | 33.78 | 4.59 | 297 | | | | | | | |
| 45 | 14.65 | 33.72 | 4.19 | 289 | | | | | | | |
| 50 | 14.09 | 33.71 | 3.91 | 278 | | | | | | | |
| 59 | 12.78 | 33.79 | 2.97 | 247 | | | | | | | |

130.35

SPENCER F. BAIRD; February 19, 1955; 0605, 0621 GCT; 26°20'N, 113°50'W; sounding, 175 fm; wind, 350°, force 5; weather, missing; sea, rough; wire angle, 09°, 07°.

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|--------|---------|--------|---------|-------|--------|
| 0 | 15.13 | 33.65 | 5.63 | 304 | 0 | 15.13 | 33.65 | 5.63 | 24.92 | 304 | 0.00 |
| 10 | 15.12 | 33.65 | 5.38 | 304 | 10 | 15.12 | 33.65 | 5.38 | 24.92 | 304 | 0.03 |
| 20 | 14.12 | 33.66 | 4.80 | 283 | 20 | 14.12 | 33.66 | 4.80 | 25.15 | 283 | 0.06 |
| 25 | 13.79 | 33.64 | 4.47 | 277 | 30 | 13.10 | 33.65 | 3.84 | 25.35 | 263 | 0.09 |
| 30 | 13.10 | 33.65 | 3.84 | 263 | 50 | 12.14 | 33.82 | 2.56 | 25.66 | 234 | 0.14 |
| 35 | 12.66 | 33.66 | 3.50 | 255 | 75 | 11.32 | 33.93 | 2.23 | 25.90 | 211 | 0.19 |
| 45 | 12.34 | 33.74 | 2.73 | 243 | 100 | 11.06 | 34.07 | 1.86 | 26.06 | 196 | 0.24 |
| 55 | 11.89 | 33.88 | - | 224 | 150 | 11.33 | 34.41 | 0.80 | 26.27 | 176 | 0.34 |
| 64 | 11.49 | 33.90 | 2.37 | 216 | 200 | 11.05 | 34.60 | 0.52 | 26.48 | 156 | 0.42 |
| | | | | | 250 | 10.40 | 34.59 | 0.40 | 26.59 | 146 | 0.50 |
| 99 | 11.05 | 34.07 | 1.88 | 196 | 300 | (9.74) | (34.51) | (0.38) | (26.64) | (141) | (0.57) |
| 123 | 11.45 | 34.34 | 1.20 | 183 | | | | | | | |
| 161 | 11.28 | 34.45 | 0.74 | 172 | | | | | | | |
| 199 | 11.05 | 34.60 | 0.52 | 156 | | | | | | | |
| 238 | 10.50 | 34.60 | 0.48 | 147 | | | | | | | |
| 243 | 10.50 | 34.60 | 0.43 | 147 | | | | | | | |
| 298 | 9.78 | 34.52 | 0.38 | 141 | | | | | | | |

| OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|----------|---------|--------|------------------------|---|--------------|---------|--------|------------------------|-----------------------|---|--------------|--|
| Z m | T °C | S % | O ₂ ml/L | δ _T 10 ⁻⁵ cm ³ /g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δ _T 10 ⁻⁵ cm ³ /g | ΔD dyn. m | |

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SPENCER F. BAIRD; February 19, 1955; 0947, 1051 GCT; 26°07'N, 114°12'W; sounding, 1550 fm; wind, 340°, force 4; weather, clear; sea, rough; wire angle, 33°, 32°. 13040

| | | | | | | | | | | | |
|------|-------|-------|------|-----|------|-------|-------|------|-------|-----|------|
| 0 | 16.69 | 33.83 | 5.58 | 324 | 0 | 16.69 | 33.83 | 5.58 | 24.71 | 324 | 0.00 |
| 9 | 16.69 | 33.75 | 5.41 | 330 | 10 | 16.70 | 33.75 | 5.41 | 24.66 | 330 | 0.03 |
| 26 | 16.70 | 33.80 | 5.27 | 327 | 20 | 16.70 | 33.78 | 5.31 | 24.68 | 328 | 0.07 |
| 47 | 16.17 | 33.72 | 5.35 | 321 | 30 | 16.68 | 33.81 | 5.23 | 24.70 | 325 | 0.10 |
| 60 | 15.85 | 33.68 | 5.23 | 317 | 50 | 16.03 | 33.71 | 5.32 | 24.77 | 319 | 0.16 |
| | | | | | 75 | 15.25 | 33.68 | 4.84 | 24.92 | 304 | 0.24 |
| 66 | 15.57 | 33.68 | 4.95 | 311 | 100 | 12.14 | 33.72 | 3.01 | 25.58 | 241 | 0.31 |
| 78 | 15.10 | 33.68 | 4.85 | 301 | 150 | 11.52 | 34.29 | 1.19 | 26.15 | 188 | 0.42 |
| 97 | 12.45 | 33.69 | 3.45 | 249 | 200 | 10.91 | 34.44 | 0.99 | 26.38 | 166 | 0.51 |
| 125 | 11.47 | 34.10 | 1.68 | 201 | 250 | 10.48 | 34.52 | 0.86 | 26.51 | 153 | 0.59 |
| 143 | 11.54 | 34.24 | 1.21 | 192 | 300 | 9.63 | 34.52 | 0.53 | 26.66 | 139 | 0.67 |
| 190 | 10.98 | 34.42 | 1.02 | 168 | 400 | 8.11 | 34.48 | 0.30 | 26.87 | 119 | 0.80 |
| 255 | 10.41 | 34.52 | - | 152 | 500 | 7.02 | 34.44 | 0.22 | 26.99 | 108 | 0.92 |
| 345 | 8.85 | 34.51 | 0.37 | 128 | 600 | 6.20 | 34.42 | 0.22 | 27.08 | 99 | 1.03 |
| 467 | 7.38 | 34.45 | 0.26 | 111 | 700 | 5.58 | 34.42 | 0.23 | 27.17 | 90 | 1.13 |
| 636 | 5.98 | 34.41 | 0.22 | 96 | 800 | 5.10 | 34.46 | 0.26 | 27.26 | 82 | 1.22 |
| 849 | 4.87 | 34.48 | 0.27 | 79 | 1000 | 4.32 | 34.53 | 0.30 | 27.39 | 69 | 1.39 |
| 1151 | 3.89 | 34.58 | 0.34 | 61 | | | | | | | |

SPENCER F. BAIRD; February 19, 1955; 1638 GCT; 25°45'N, 114°53'W; sounding, 2150 fm; wind, 010°, force 4; weather, partly cloudy; sea, rough; wire angle, 19°. 13050

| | | | | | | | | | | | |
|------|-------|-------|------|-----|------|-------|-------|------|-------|-----|------|
| 0 | 16.58 | 33.71 | 5.70 | 331 | 0 | 16.58 | 33.71 | 5.70 | 24.64 | 331 | 0.00 |
| 10 | 16.56 | 33.69 | 5.70 | 331 | 10 | 16.56 | 33.69 | 5.70 | 24.64 | 331 | 0.03 |
| 29 | 16.59 | 33.59 | 5.65 | 339 | 20 | 16.55 | 33.64 | 5.68 | 24.59 | 335 | 0.07 |
| 53 | 16.52 | 33.66 | 5.28 | 333 | 30 | 16.59 | 33.59 | 5.65 | 24.56 | 339 | 0.10 |
| 67 | 16.40 | 33.63 | 6.10 | 332 | 50 | 16.53 | 33.66 | 5.30 | 24.62 | 333 | 0.17 |
| 76 | 16.34 | 33.68 | 6.09 | 328 | 75 | 16.34 | 33.68 | 6.09 | 24.67 | 328 | 0.25 |
| 90 | 12.48 | 33.35 | 4.77 | 275 | 100 | 11.27 | 33.34 | 4.64 | 25.46 | 253 | 0.32 |
| 112 | 11.03 | 33.34 | 4.55 | 250 | 150 | 10.31 | 33.87 | 3.05 | 26.04 | 198 | 0.44 |
| 143 | 10.33 | 33.80 | 3.06 | 204 | 200 | 10.14 | 34.21 | 1.02 | 26.34 | 170 | 0.53 |
| 166 | 10.28 | 34.00 | 0.73 | 188 | 250 | 9.75 | 34.46 | 1.11 | 26.59 | 145 | 0.61 |
| 220 | 9.98 | 34.33 | 1.18 | 158 | 300 | 9.30 | 34.52 | 0.90 | 26.72 | 134 | 0.68 |
| 296 | 9.36 | 34.52 | - | 134 | 400 | 8.22 | 34.52 | 0.41 | 26.88 | 118 | 0.82 |
| 400 | 8.22 | 34.52 | 0.41 | 118 | 500 | 7.20 | 34.52 | 0.28 | 27.02 | 105 | 0.93 |
| 542 | 6.85 | 34.51 | 0.24 | 100 | 600 | 6.40 | 34.52 | 0.24 | 27.14 | 94 | 1.04 |
| 737 | 5.40 | 34.54 | 0.24 | 80 | 700 | 5.67 | 34.54 | 0.24 | 27.25 | 83 | 1.13 |
| 972 | 4.35 | 34.53 | 0.39 | 69 | 800 | 5.04 | 34.54 | 0.27 | 27.32 | 76 | 1.22 |
| 1293 | 3.41 | 34.64 | 0.68 | 52 | 1000 | 4.21 | 34.55 | 0.47 | 27.44 | 64 | 1.37 |

SPENCER F. BAIRD; February 19, 1955; 2137 GCT; 25°27.5'N, 115°26'W; sounding, 2150 fm; wind, 070°, force 4; weather, partly cloudy; sea, rough; wire angle, 20°. 13060

| | | | | | | | | | | | |
|------|-------|-------|------|-----|------|-------|-------|------|-------|-----|------|
| 0 | 17.49 | 33.94 | 5.38 | 335 | 0 | 17.49 | 33.94 | 5.38 | 24.60 | 335 | 0.00 |
| 10 | 17.48 | 33.88 | 5.35 | 339 | 10 | 17.48 | 33.88 | 5.35 | 24.56 | 339 | 0.03 |
| 28 | 17.41 | 33.86 | 5.39 | 338 | 20 | 17.47 | 33.87 | 5.38 | 24.56 | 339 | 0.07 |
| 51 | 16.22 | 33.61 | 5.52 | 330 | 30 | 17.36 | 33.85 | 5.41 | 24.57 | 338 | 0.10 |
| 65 | 15.40 | 33.48 | 5.48 | 322 | 50 | 16.22 | 33.61 | 5.51 | 24.65 | 330 | 0.17 |
| 75 | 13.80 | 33.38 | 5.31 | 297 | 75 | 13.80 | 33.38 | 5.31 | 25.00 | 297 | 0.25 |
| 88 | 12.52 | 33.24 | 5.34 | 283 | 100 | 12.49 | 33.28 | 5.34 | 25.38 | 261 | 0.32 |
| 110 | 10.54 | 33.36 | 5.23 | 240 | 150 | 9.83 | 33.88 | 3.01 | 26.12 | 190 | 0.43 |
| 141 | 9.93 | 33.79 | 3.24 | 198 | 200 | 9.40 | 34.25 | 2.00 | 26.49 | 155 | 0.52 |
| 163 | 9.60 | 34.00 | 2.90 | 177 | 250 | 8.97 | 34.30 | 1.26 | 26.60 | 145 | 0.60 |
| 215 | 9.30 | 34.27 | 1.64 | 152 | 300 | 8.39 | 34.31 | 0.91 | 26.70 | 136 | 0.67 |
| 290 | 8.50 | 34.31 | - | 137 | 400 | 7.48 | 34.35 | 0.57 | 26.86 | 120 | 0.80 |
| 393 | 7.52 | 34.35 | 0.57 | 120 | 500 | 6.65 | 34.41 | 0.41 | 27.02 | 105 | 0.92 |
| 534 | 6.42 | 34.42 | 0.30 | 101 | 600 | 6.00 | 34.44 | 0.28 | 27.13 | 94 | 1.02 |
| 727 | 5.27 | 34.46 | 0.28 | 84 | 700 | 5.40 | 34.46 | 0.28 | 27.21 | 86 | 1.12 |
| 961 | 4.24 | 34.48 | 0.45 | 72 | 800 | 4.92 | 34.47 | 0.34 | 27.28 | 80 | 1.21 |
| 1285 | 3.38 | 34.62 | 0.74 | 53 | 1000 | 4.12 | 34.48 | 0.48 | 27.38 | 71 | 1.38 |

SIO

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5502

| | OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|--|----------|---------|--------|------------------------|---|--------------|---------|--------|------------------------|-----------------------|---|--------------|--|
| | Z m | T °C | S % | O ₂ ml/L | δT 10 ⁻⁵ cm ³ /g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δT 10 ⁻⁵ cm ³ /g | ΔD dyn. m | |

133.25

SPENCER F. BAIRD; February 18, 1955; 1330 GCT; 26°03'N, 112°50.5'W; sounding, 55 fm; wind, 340°, force 4; weather, partly cloudy; sea, moderate; wire angle, 03°.

| | | | | | | | | | | | |
|----|-------|-------|------|-----|-----|---------|---------|--------|---------|-------|--------|
| 0 | 16.93 | 33.84 | 5.45 | 329 | 0 | 16.93 | 33.84 | 5.45 | 24.66 | 329 | 0.00 |
| 10 | 16.92 | 33.84 | 5.51 | 328 | 10 | 16.92 | 33.84 | 5.51 | 24.67 | 328 | 0.03 |
| 15 | 16.94 | 33.86 | 5.56 | 327 | 20 | 16.92 | 33.92 | 5.45 | 24.72 | 323 | 0.06 |
| 20 | 16.92 | 33.92 | 5.45 | 323 | 30 | 16.75 | 33.86 | 5.27 | 24.72 | 323 | 0.10 |
| 25 | 16.86 | 33.86 | 5.27 | 326 | 50 | 14.94 | 33.68 | 4.42 | 24.98 | 298 | 0.16 |
| 30 | 16.75 | 33.86 | 5.27 | 323 | 75 | 13.09 | 33.85 | 2.93 | 25.50 | 249 | 0.23 |
| 35 | 16.37 | 33.83 | 5.01 | 317 | 100 | (12.65) | (34.17) | (1.50) | (25.84) | (217) | (0.29) |
| 45 | 15.38 | 33.64 | 4.99 | 310 | | | | | | | |
| 55 | 14.56 | 33.73 | 3.90 | 286 | | | | | | | |
| 64 | 13.36 | 33.76 | 3.22 | 260 | | | | | | | |
| 79 | 12.93 | 33.93 | 2.62 | 240 | | | | | | | |
| 98 | 12.65 | 34.15 | 1.55 | 219 | | | | | | | |

133.30

SPENCER F. BAIRD; February 18, 1955; 1620 GCT; 25°51'N, 113°14.5'W; sounding, 58 fm; wind, 340°, force 4; weather, cloudy; sea, rough; wire angle, 08°.

| | | | | | | | | | | | |
|----|-------|-------|------|-----|----|-------|-------|------|-------|-----|------|
| 0 | 17.03 | 33.89 | 5.27 | 329 | 0 | 17.03 | 33.89 | 5.27 | 24.66 | 329 | 0.00 |
| 10 | 17.02 | 33.93 | 5.19 | 324 | 10 | 17.02 | 33.93 | 5.19 | 24.71 | 324 | 0.03 |
| 15 | 17.03 | 33.93 | 5.28 | 324 | 20 | 17.00 | 33.91 | 5.28 | 24.70 | 325 | 0.06 |
| 20 | 17.00 | 33.91 | 5.28 | 325 | 30 | 16.57 | 33.91 | 5.24 | 24.80 | 315 | 0.10 |
| 25 | 16.88 | 33.93 | 5.33 | 321 | 50 | 14.25 | 33.77 | 3.82 | 25.20 | 278 | 0.16 |
| 30 | 16.57 | 33.91 | 5.24 | 315 | | | | | | | |
| 35 | 16.29 | 33.88 | 4.96 | 312 | | | | | | | |
| 40 | 15.78 | 33.83 | 4.76 | 304 | | | | | | | |
| 45 | 14.98 | 33.82 | 4.28 | 288 | | | | | | | |
| 50 | 14.25 | 33.77 | 3.82 | 278 | | | | | | | |

133.40

SPENCER F. BAIRD; February 18, 1955; 2030 GCT; 25°38'N, 113°50'W; sounding, 1550 fm; wind, 300°, force 4; weather, overcast; sea, rough; wire angle, 27°.

| | | | | | | | | | | | |
|-----|-------|-------|--------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 16.31 | 33.75 | 5.54 | 322 | 0 | 16.31 | 33.75 | 5.54 | 24.74 | 322 | 0.00 |
| 9 | 16.31 | 33.79 | 5.60 | 318 | 10 | 16.31 | 33.79 | 5.60 | 24.78 | 318 | 0.03 |
| 27 | 15.28 | 33.62 | 5.43 | 309 | 20 | 15.80 | 33.71 | 5.54 | 24.82 | 314 | 0.06 |
| 40 | 14.66 | 33.68 | 5.48a) | 292 | 30 | 15.10 | 33.63 | 5.46 | 24.91 | 305 | 0.09 |
| 52 | 14.22 | 33.69 | 5.01 | 283 | 50 | 14.29 | 33.69 | 5.08 | 25.13 | 284 | 0.15 |
| 60 | 13.22 | 33.58 | 4.50 | 271 | 75 | 12.31 | 33.72 | 3.40 | 25.56 | 244 | 0.22 |
| 68 | 12.70 | 33.64 | 3.89 | 257 | 100 | 11.78 | 33.95 | 2.11 | 25.84 | 217 | 0.28 |
| 80 | 12.45 | 33.83 | 2.84 | 238 | 150 | 10.82 | 34.34 | 1.31 | 26.32 | 172 | 0.38 |
| 88 | 11.96 | 33.92 | 2.23 | 222 | 200 | 10.62 | 34.51 | 0.70 | 26.48 | 156 | 0.46 |
| 100 | 11.78 | 33.95 | 2.11 | 217 | 250 | 10.06 | 34.54 | 0.70 | 26.61 | 144 | 0.54 |
| 125 | 11.20 | 34.18 | 1.50 | 190 | 300 | 9.40 | 34.51 | 0.47 | 26.68 | 137 | 0.61 |
| 148 | 10.82 | 34.34 | 1.31 | 172 | 400 | 8.24 | 34.47 | 0.20 | 26.84 | 122 | 0.74 |
| 197 | 10.64 | 34.50 | 0.70 | 157 | 500 | 7.31 | 34.47 | 0.19 | 26.98 | 109 | 0.86 |
| 254 | 10.00 | 34.54 | 0.70 | 143 | 600 | 6.38 | 34.48 | 0.31 | 27.11 | 96 | 0.96 |
| 355 | 8.72 | 34.47 | 0.26 | 128 | | | | | | | |
| 476 | 7.51 | 34.47 | 0.16 | 112 | | | | | | | |
| 603 | 6.35 | 34.48 | 0.32 | 96 | | | | | | | |

137.23

SPENCER F. BAIRD; February 18, 1955; 0823 GCT; 25°34.5'N, 112°19'W; sounding, 43 fm; wind, 320°, force 4; weather, partly cloudy; sea, moderate; wire angle, 11°.

| | | | | | | | | | | | |
|----|-------|-------|------|-----|----|-------|-------|------|-------|-----|------|
| 0 | 16.35 | 33.78 | 5.48 | 320 | 0 | 16.35 | 33.78 | 5.48 | 24.75 | 320 | 0.00 |
| 5 | 16.35 | 33.71 | 5.04 | 326 | 10 | 16.35 | 33.75 | 5.35 | 24.73 | 323 | 0.03 |
| 10 | 16.35 | 33.75 | 5.35 | 323 | 20 | 16.12 | 33.78 | 5.17 | 24.80 | 315 | 0.06 |
| 15 | 16.20 | 33.77 | 5.19 | 318 | 30 | 15.22 | 33.80 | 4.34 | 25.02 | 295 | 0.09 |
| 20 | 16.12 | 33.78 | 5.17 | 315 | | | | | | | |
| 25 | 15.28 | 33.84 | 4.34 | 293 | | | | | | | |
| 30 | 15.22 | 33.80 | 4.34 | 295 | | | | | | | |
| 35 | 14.45 | 33.77 | 3.80 | 281 | | | | | | | |
| 39 | 14.39 | 33.86 | 3.42 | 274 | | | | | | | |
| 44 | 14.24 | 33.94 | 3.24 | 265 | | | | | | | |

a) Mean value of 5.31 and 5.66 ml/L.

| OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | | SIO CCOFI 5502 |
|---|---------|--------|------------------------|--|--------------|---------|---------|------------------------|-----------------------|--|--------------|--------|----------------------|
| Z m | T °C | S ‰ | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm ³ /g | Z m | T °C | S ‰ | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm ³ /g | ΔD dyn. m | | |
| SPENCER F. BAIRD; February 18, 1955; 0435 GCT; 25°19.5'N, 112°45'W; sounding, 190 fm; wind, 340°, force 3; weather, clear; sea, moderate; wire angle, 21°. | | | | | | | | | | | | 137.30 | |
| 0 | 17.33 | 33.92 | 5.35 | 332 | 0 | 17.33 | 33.92 | 5.35 | 24.63 | 332 | 0.00 | | |
| 10 | 17.23 | 33.86 | 5.66 | 334 | 10 | 17.23 | 33.86 | 5.66 | 24.60 | 334 | 0.03 | | |
| 15 | 16.73 | 33.93 | 5.15 | 318 | 20 | 16.49 | 33.90 | 5.23 | 24.81 | 315 | 0.07 | | |
| 19 | 16.50 | 33.90 | 5.23 | 315 | 30 | 16.00 | 33.88 | 4.57 | 24.91 | 306 | 0.10 | | |
| 24 | 16.43 | 33.93 | 5.24 | 311 | 50 | 15.03 | 33.94 | 3.79 | 25.17 | 281 | 0.16 | | |
| 28 | 16.16 | 33.88 | 5.27 | 308 | 75 | 14.04 | 33.94 | 3.04 | 25.38 | 261 | 0.22 | | |
| 33 | 15.78 | 33.89 | 4.06 | 300 | 100 | 13.28 | 34.00 | 2.50 | 25.58 | 242 | 0.29 | | |
| 42 | 15.40 | 33.89 | - | 292 | 150 | 12.16 | 34.46 | 0.57 | 26.16 | 186 | 0.40 | | |
| 51 | 15.00 | 33.94 | 3.77 | 280 | 200 | 11.38 | 34.63 | 0.27 | 26.44 | 160 | 0.48 | | |
| 60 | 14.73 | 33.90 | 3.61 | 277 | 250 | 10.84 | 34.61 | 0.16 | 26.52 | 152 | 0.56 | | |
| 74 | 14.08 | 33.94 | 3.06 | 261 | | | | | | | | | |
| 92 | 13.54 | 33.95 | 2.70 | 250 | | | | | | | | | |
| 115 | 12.86 | 34.11 | 2.04 | 226 | | | | | | | | | |
| 151 | 12.16 | 34.47 | 0.56a) | 185 | | | | | | | | | |
| 187 | 11.54 | 34.63 | 0.49b) | 163 | | | | | | | | | |
| 224 | 11.05 | 34.62 | 0.14 | 155 | | | | | | | | | |
| 281 | 10.67 | 34.61 | 0.16 | 150 | | | | | | | | | |
| SPENCER F. BAIRD; February 17, 1955; 1634 GCT; 24°56.5'N, 113°24'W; sounding, 1800 fm; wind, 340°, force 2; weather, partly cloudy; sea, moderate; wire angle, 12°. | | | | | | | | | | | | 137.40 | |
| 0 | 18.49 | 34.04 | 4.87 | 351 | 0 | 18.49 | 34.04 | 4.87 | 24.43 | 351 | 0.00 | | |
| 10 | 18.46 | 34.10 | 4.90 | 346 | 10 | 18.46 | 34.10 | 4.90 | 24.48 | 346 | 0.04 | | |
| 30 | 17.72 | 33.96 | 5.02 | 338 | 20 | 18.20 | 34.08 | 4.97 | 24.52 | 342 | 0.07 | | |
| 40 | 16.70 | 33.85 | 4.96 | 323 | 30 | 17.72 | 33.96 | 5.02 | 24.56 | 338 | 0.10 | | |
| 49 | 16.62 | 33.85 | 5.08 | 321 | 50 | 16.60 | 33.85 | 5.10 | 24.74 | 321 | 0.17 | | |
| 59 | 16.42 | 33.82 | 5.11 | 319 | 75 | 15.78 | 33.80 | 4.74 | 24.90 | 306 | 0.25 | | |
| 68 | 16.36 | 33.85 | 5.13 | 315 | 100 | 12.92 | 33.75 | 3.44 | 25.46 | 253 | 0.32 | | |
| 78 | 15.02 | 33.70 | 4.28 | 298 | 150 | 12.04 | 34.42 | 1.10 | 26.15 | 187 | 0.43 | | |
| 87 | 14.07 | 33.58 | 3.93 | 287 | 200 | 11.40 | 34.53 | 0.50 | 26.36 | 167 | 0.52 | | |
| 96 | 13.12 | 33.63 | 3.61 | 265 | 250 | 10.72 | 34.64 | 0.26 | 26.56 | 148 | 0.60 | | |
| 120 | 12.94 | 34.26 | 1.58 | 216 | 300 | 10.06 | 34.61 | 0.22 | 26.66 | 139 | 0.68 | | |
| 148 | 12.05 | 34.41 | 1.10 | 188 | 400 | 8.82 | 34.55 | 0.19 | 26.82 | 124 | 0.81 | | |
| 194 | 11.44 | 34.52 | 0.55 | 169 | 500 | 7.63 | 34.51 | 0.12 | 26.96 | 110 | 0.94 | | |
| 251 | 10.72 | 34.64 | 0.26 | 148 | 600 | (6.37) | (34.44) | | (27.08) | (100) | (1.05) | | |
| 349 | 9.40 | 34.57 | 0.22 | 132 | | | | | | | | | |
| 464 | 8.06 | 34.53 | 0.10 | 115 | | | | | | | | | |
| 585 | 6.56 | 34.45 | 0.21 | 101 | | | | | | | | | |
| SPENCER F. BAIRD; February 17, 1955; 0455 GCT; 24°45'N, 112°25'W; sounding, 60 fm; wind, 240°, force 1; weather, clear; sea, smooth; wire angle, 03°. | | | | | | | | | | | | 140.30 | |
| 0 | 18.74 | 34.03 | 5.01 | 357 | 0 | 18.74 | 34.03 | 5.01 | 24.37 | 357 | 0.00 | | |
| 10 | 18.46 | 34.07 | 5.10 | 348 | 10 | 18.46 | 34.07 | 5.10 | 24.46 | 348 | 0.04 | | |
| 15 | 18.36 | 34.02 | 4.72 | 349 | 20 | 18.29 | 34.04 | 5.06 | 24.48 | 346 | 0.07 | | |
| 20 | 18.29 | 34.04 | 5.06 | 346 | 30 | 18.20 | 34.01 | 5.39 | 24.48 | 346 | 0.10 | | |
| 25 | 18.24 | 34.00 | 5.08 | 348 | 50 | 17.08 | 33.92 | 5.42 | 24.68 | 327 | 0.17 | | |
| 30 | 18.20 | 34.01 | 5.39 | 346 | 75 | 14.88 | 33.86 | 4.62 | 25.14 | 283 | 0.25 | | |
| 35 | 18.15 | 34.04 | 5.27 | 343 | 100 | (13.17) | (34.16) | (1.50) | (25.73) | (227) | (0.31) | | |
| 45 | 17.25 | 33.94 | 5.35 | 329 | | | | | | | | | |
| 54 | 16.96 | 33.89 | 5.45 | 326 | | | | | | | | | |
| 65 | 16.52 | 33.86 | 5.42 | 319 | | | | | | | | | |
| 79 | 13.13 | 33.86 | 3.73 | 249 | | | | | | | | | |
| 98 | 13.18 | 34.15 | 1.67 | 228 | | | | | | | | | |

a) Mean value of 0.38 and 0.73 ml/L.

b) Mean value of 0.26 and 0.72 ml/L.

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5502

| | OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|--|----------|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-----------------------|--|-------------|--|
| | Z m | T °C | S % | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm/g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm/g | ΔD dyn.m | |

140.35

SPENCER F. BAIRD; February 17, 1955; 0750 GCT; 24°35'N, 112°44'W; sounding, 700 fm; wind, 240°, force 1; weather, clear; sea, slight; wire angle, 07°.

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 18.50 | 34.06 | 5.20 | 350 | 0 | 18.50 | 34.06 | 5.20 | 24.44 | 350 | 0.00 |
| 10 | 18.29 | 34.04 | 4.90 | 346 | 10 | 18.29 | 34.04 | 4.90 | 24.48 | 346 | 0.04 |
| 30 | 17.17 | 33.94 | 5.28 | 326 | 20 | 17.39 | 33.99 | 5.24 | 24.67 | 328 | 0.07 |
| 40 | 16.47 | 33.81 | 5.10 | 321 | 30 | 17.17 | 33.94 | 5.28 | 24.69 | 326 | 0.10 |
| 50 | 16.26 | 33.78 | 5.24 | 318 | 50 | 16.26 | 33.78 | 5.24 | 24.77 | 318 | 0.17 |
| 60 | 16.18 | 33.78 | 5.20 | 316 | 75 | 13.82 | 33.69 | 3.64 | 25.23 | 275 | 0.24 |
| 70 | 14.09 | 33.63 | 3.85 | 284 | 100 | 12.50 | 33.95 | 2.59 | 25.70 | 230 | 0.30 |
| 79 | 13.72 | 33.75 | 3.50 | 268 | 150 | 12.22 | 34.57 | 0.80 | 26.22 | 180 | 0.41 |
| 89 | 13.62 | 33.93 | 2.94 | 253 | 200 | 11.70 | 34.69 | 0.25 | 26.42 | 162 | 0.50 |
| 98 | 12.54 | 33.95 | 2.62 | 231 | 250 | 10.80 | 34.67 | 0.26 | 26.58 | 147 | 0.57 |
| 122 | 12.00 | 34.21 | 1.83 | 202 | 300 | 10.08 | 34.64 | 0.24 | 26.68 | 137 | 0.65 |
| 152 | 12.22 | 34.58 | 0.72 | 179 | 400 | 8.60 | 34.55 | 0.18 | 26.85 | 121 | 0.78 |
| 200 | 11.70 | 34.69 | 0.25 | 162 | 500 | 7.47 | 34.52 | 0.14 | 26.98 | 108 | 0.90 |
| 258 | 10.70 | 34.67 | 0.27 | 145 | 600 | 6.76 | 34.51 | 0.14 | 27.08 | 99 | 1.01 |
| 360 | 9.16 | 34.57 | 0.20 | 127 | | | | | | | |
| 478 | 7.62 | 34.52 | 0.14 | 110 | | | | | | | |
| 601 | 6.74 | 34.51 | 0.14 | 99 | | | | | | | |

140.40

SPENCER F. BAIRD; February 17, 1955; 1112 GCT; 24°23'N, 113°03'W; sounding, 1850 fm; wind, 340°, force 1; weather, fog; sea, slight; wire angle, 04°.

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|--------|---------|--------|---------|------|--------|
| 0 | 18.92 | 34.07 | 5.27 | 358 | 0 | 18.92 | 34.07 | 5.27 | 24.35 | 358 | 0.00 |
| 10 | 18.85 | 34.08 | 5.08 | 356 | 10 | 18.85 | 34.08 | 5.08 | 24.38 | 356 | 0.04 |
| 30 | 17.77 | 33.95 | 5.43 | 340 | 20 | 18.48 | 34.04 | 5.18 | 24.44 | 350 | 0.07 |
| 40 | 17.49 | 33.94 | 5.01 | 334 | 30 | 17.77 | 33.95 | 5.43 | 24.54 | 340 | 0.11 |
| 49 | 16.82 | 33.87 | 5.27 | 324 | 50 | 16.80 | 33.86 | 5.26 | 24.71 | 324 | 0.17 |
| 59 | 16.47 | 33.80 | 5.06 | 322 | 75 | 14.72 | 33.63 | 4.57 | 24.99 | 298 | 0.25 |
| 68 | 15.63 | 33.68 | 5.08 | 312 | 100 | 12.82 | 33.94 | 2.74 | 25.62 | 238 | 0.32 |
| 78 | 14.26 | 33.62 | 3.83 | 289 | 150 | 11.62 | 34.37 | 1.16 | 26.19 | 184 | 0.42 |
| 87 | 13.83 | 33.89 | 3.18 | 260 | 200 | 10.72 | 34.49 | 0.78 | 26.45 | 159 | 0.51 |
| 96 | 13.10 | 33.90 | 2.89 | 245 | 250 | 10.20 | 34.58 | 0.36 | 26.61 | 144 | 0.59 |
| 120 | 12.31 | 34.14 | 1.93 | 213 | 300 | 9.62 | 34.58 | 0.23 | 26.72 | 134 | 0.66 |
| 148 | 11.68 | 34.37 | 1.20 | 185 | 400 | 8.45 | 34.54 | 0.14 | 26.86 | 120 | 0.79 |
| 196 | 10.78 | 34.48 | 0.83 | 160 | 500 | 7.37 | 34.47 | 0.14 | 26.97 | 110 | 0.91 |
| 253 | 10.18 | 34.58 | 0.34 | 143 | 600 | (6.41) | (34.48) | (0.16) | (27.10) | (97) | (1.02) |
| 354 | 8.98 | 34.58 | 0.17 | 124 | | | | | | | |
| 472 | 7.62 | 34.47 | 0.13 | 114 | | | | | | | |
| 596 | 6.45 | 34.48 | 0.16 | 97 | | | | | | | |

143.26

SPENCER F. BAIRD; February 16, 1955; 0449 GCT; 24°19.5'N, 111°49.5'W; sounding, 40 fm; wind, 060°, force 2; weather, clear; sea, slight; wire angle, 02°.

| | | | | | | | | | | | |
|----|-------|--------|-------|-----|----|-------|-------|------|-------|-----|------|
| 0 | 17.52 | 33.95a | 5.24b | 334 | 0 | 17.52 | 33.95 | 5.24 | 24.61 | 334 | 0.00 |
| 10 | 17.55 | 33.94 | 5.29 | 336 | 10 | 17.55 | 33.94 | 5.29 | 24.59 | 336 | 0.03 |
| 15 | 17.46 | 33.91 | 5.30 | 336 | 20 | 17.15 | 33.89 | 5.16 | 24.64 | 331 | 0.07 |
| 20 | 17.18 | 33.89 | 5.16 | 331 | 30 | 16.75 | 33.86 | 5.23 | 24.72 | 323 | 0.10 |
| 25 | 16.86 | 33.92 | 5.19 | 322 | 50 | 16.02 | 33.94 | 4.67 | 24.95 | 302 | 0.18 |
| 30 | 16.75 | 33.86 | 5.23 | 323 | | | | | | | |
| 35 | 16.65 | 33.92 | 5.16 | 317 | | | | | | | |
| 40 | 16.41 | 33.92 | 4.90 | 311 | | | | | | | |
| 45 | 16.29 | 33.95 | 4.82 | 307 | | | | | | | |
| 50 | 16.02 | 33.94 | 4.67 | 302 | | | | | | | |

a) Mean value of 33.93 and 33.97%.

b) Mean value of 5.13 and 5.36 ml/L.

| OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|----------|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-----------------------|--|--------------|--|
| Z m | T °C | S ‰ | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm/g | Z m | T °C | S ‰ | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm/g | ΔD dyn. m | |

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SPENCER F. BAIRD; February 16, 1955; 0230 GCT; 24°12'N, 112°04.5'W; sounding, 110 fm; wind, 330°, force 4; weather, cloudy; sea, rough; wire angle, 05°. 143.30

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 19.33 | 34.12 | 5.36 | 364 | 0 | 19.33 | 34.12 | 5.36 | 24.29 | 364 | 0.00 |
| 10 | 19.32 | 34.12 | 5.52 | 364 | 10 | 19.32 | 34.12 | 5.52 | 24.29 | 364 | 0.04 |
| 15 | 19.30 | 34.10 | 5.27 | 365 | 20 | 19.22 | 34.13 | 5.36 | 24.32 | 362 | 0.07 |
| 20 | 19.22 | 34.13 | 5.36 | 362 | 30 | 19.18 | 34.11 | 5.36 | 24.32 | 362 | 0.11 |
| 25 | 19.20 | 34.14 | 5.39 | 360 | 50 | 16.80 | 33.82 | 5.51 | 24.66 | 330 | 0.18 |
| 30 | 19.18 | 34.11 | 5.36 | 362 | 75 | 14.53 | 33.94 | 3.13 | 25.27 | 271 | 0.25 |
| 35 | 18.82 | 34.05 | 5.25 | 357 | 100 | 13.46 | 34.26 | 1.58 | 25.75 | 226 | 0.32 |
| 45 | 18.31 | 34.04 | 5.49 | 346 | 150 | 12.30 | 34.64 | 0.34 | 26.27 | 176 | 0.42 |
| 55 | 15.14 | 33.59 | 5.51 | 308 | | | | | | | |
| 64 | 14.32 | 33.62 | 4.53 | 290 | | | | | | | |
| 78 | 14.21 | 34.04 | 2.66 | 257 | | | | | | | |
| 97 | 13.52 | 34.23 | 1.69 | 229 | | | | | | | |
| 116 | 13.16 | 34.43 | 1.13 | 207 | | | | | | | |
| 150 | 12.30 | 34.64 | 0.34 | 176 | | | | | | | |

SPENCER F. BAIRD; February 15, 1955; 2305 GCT; 24°01'N, 112°23'W; sounding, 1200 fm; wind, 330°, force 4; weather, partly cloudy; sea, rough; wire angle, 24°. 143.35

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 19.00 | 34.11 | 5.29 | 357 | 0 | 19.00 | 34.11 | 5.29 | 24.36 | 357 | 0.00 |
| 10 | 18.88 | 34.08 | 5.70 | 357 | 10 | 18.88 | 34.08 | 5.70 | 24.37 | 357 | 0.04 |
| 28 | 17.99 | 33.97 | 5.21 | 344 | 20 | 18.42 | 34.02 | 5.42 | 24.43 | 351 | 0.07 |
| 42 | 17.10 | 33.89 | 5.30 | 329 | 30 | 17.86 | 33.96 | 5.23 | 24.53 | 341 | 0.11 |
| 55 | 16.02 | 33.78 | 4.99 | 313 | 50 | 16.44 | 33.83 | 5.12 | 24.77 | 319 | 0.17 |
| 64 | 15.58 | 33.70 | 4.85 | 310 | 75 | 13.90 | 33.59 | 4.38 | 25.14 | 284 | 0.25 |
| 72 | 14.32 | 33.59 | 4.54 | 292 | 100 | 12.44 | 33.74 | 3.29 | 25.55 | 244 | 0.31 |
| 86 | 12.83 | 33.58 | 3.85 | 264 | 150 | 11.20 | 34.18 | 1.79 | 26.12 | 190 | 0.42 |
| 94 | 12.54 | 33.69 | 3.53 | 250 | 200 | 10.80 | 34.40 | 1.18 | 26.37 | 167 | 0.52 |
| 108 | 12.34 | 33.78 | 3.16 | 240 | 250 | 10.35 | 34.50 | 0.51 | 26.53 | 152 | 0.60 |
| 134 | 11.50 | 34.09 | 2.02 | 202 | 300 | 9.78 | 34.54 | 0.31 | 26.65 | 140 | 0.67 |
| 160 | 11.05 | 34.22 | 1.70 | 185 | 400 | 8.67 | 34.54 | 0.24 | 26.84 | 122 | 0.81 |
| 214 | 10.70 | 34.46 | 0.87 | 161 | 500 | 7.50 | 34.48 | 0.19 | 26.95 | 111 | 0.93 |
| 276 | 10.04 | 34.52 | 0.37 | 146 | 600 | 6.63 | 34.48 | 0.16 | 27.07 | 100 | 1.04 |
| 384 | 8.84 | 34.55 | 0.24 | 124 | | | | | | | |
| 513 | 7.37 | 34.47 | 0.18 | 109 | | | | | | | |
| 649 | 6.35 | 34.49 | 0.14 | 95 | | | | | | | |

SPENCER F. BAIRD; February 15, 1955; 1018, 1030 GCT; 24°00'N, 111°05.5'W; sounding, 110 fm; wind, 330°, force 3; weather, clear; sea, moderate; wire angle, 00°, 00°. 147.20

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 18.80 | 34.35 | 5.16 | 335 | 0 | 18.80 | 34.35 | 5.16 | 24.60 | 335 | 0.00 |
| 10 | 18.84 | 34.34 | 5.08 | 337 | 10 | 18.84 | 34.34 | 5.08 | 24.58 | 337 | 0.03 |
| 15 | 18.60 | 34.37 | 5.06 | 329 | 20 | 18.25 | 34.50 | 4.81 | 24.84 | 312 | 0.07 |
| 20 | 18.25 | 34.50 | 4.81 | 312 | 30 | 18.05 | 34.62 | 4.67 | 24.98 | 298 | 0.10 |
| 25 | 18.23 | 34.53 | 4.67 | 310 | 50 | 17.13 | 34.49 | 4.52 | 25.11 | 286 | 0.16 |
| | | | | | 75 | 16.56 | 34.80 | 2.86 | 25.48 | 251 | 0.22 |
| 30 | 18.05 | 34.62 | 4.67 | 298 | 100 | 14.30 | 34.60 | 1.56 | 25.83 | 218 | 0.28 |
| 35 | 18.04 | 34.60 | 4.64 | 299 | 150 | 11.95 | 34.60 | 0.54 | 26.31 | 172 | 0.38 |
| 45 | 17.09 | 34.41 | 4.57 | 291 | | | | | | | |
| 54 | 17.25 | 34.58 | 4.43 | 282 | | | | | | | |
| 64 | 17.62 | 34.84 | 3.97 | 272 | | | | | | | |
| 78 | 16.22 | 34.78 | 2.66 | 244 | | | | | | | |
| 98 | 14.43 | 34.61 | 1.64 | 220 | | | | | | | |
| 117 | 13.45 | 34.54 | 1.12 | 205 | | | | | | | |
| 151 | 11.89 | 34.60 | 0.52 | 171 | | | | | | | |

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| | OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|--|----------|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-----------------------|--|--------------|--|
| | Z m | T °C | S % | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm ³ /g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm ³ /g | ΔD dyn. m | |

147.25

SPENCER F. BAIRD; February 15, 1955; 1330 GCT; 23°46'N, 111°27.5'W; sounding, 245 fm; wind, 340°, force 2; weather, clear; sea, moderate; wire angle, 16°.

| | | | | | | | | | | | |
|-----|-------|--------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 18.74 | 34.07 | 5.16 | 354 | 0 | 18.74 | 34.07 | 5.16 | 24.40 | 354 | 0.00 |
| 10 | 18.75 | 34.05 | 5.13 | 356 | 10 | 18.75 | 34.05 | 5.13 | 24.38 | 356 | 0.04 |
| 15 | 18.75 | 34.11u | 5.21 | - | 20 | 18.70 | 34.05 | 5.14 | 24.40 | 354 | 0.07 |
| 20 | 18.70 | 34.18u | 5.14 | - | 30 | 18.39 | 34.04 | 5.19 | 24.46 | 348 | 0.11 |
| 25 | 18.63 | 34.05 | 5.12 | 353 | 50 | 17.07 | 33.95 | 5.50 | 24.72 | 324 | 0.17 |
| 30 | 18.39 | 34.04 | 5.19 | 348 | 75 | 14.11 | 33.91 | 3.27 | 25.34 | 264 | 0.25 |
| 39 | 17.44 | 33.94 | 5.14 | 333 | 100 | 13.21 | 34.24 | 1.86 | 25.78 | 222 | 0.31 |
| 48 | 17.08 | 33.95 | 5.50 | 324 | 150 | 12.48 | 34.66 | 0.41 | 26.25 | 177 | 0.41 |
| 62 | 15.17 | 33.80 | 4.36 | 294 | 200 | 11.68 | 34.69 | 0.28 | 26.43 | 161 | 0.50 |
| 76 | 14.05 | 33.92 | 3.23 | 262 | 250 | 10.99 | 34.67 | 0.23 | 26.54 | 150 | 0.58 |
| 94 | 13.26 | 34.12 | 2.10 | 232 | 300 | 10.20 | 34.64 | 0.21 | 26.66 | 139 | 0.65 |
| 117 | 13.05 | 34.49 | 0.90 | 201 | | | | | | | |
| 154 | 12.39 | 34.67 | 0.38 | 175 | | | | | | | |
| 190 | 11.80 | 34.69 | 0.29 | 163 | | | | | | | |
| 238 | 11.18 | 34.67 | 0.24 | 153 | | | | | | | |
| 308 | 10.09 | 34.64 | 0.20 | 137 | | | | | | | |
| 385 | 9.27 | 34.61 | 0.19 | 127 | | | | | | | |

147.30

SPENCER F. BAIRD; February 15, 1955; 1641 GCT; 23°33.5'N, 111°40.5'W; sounding, 260 fm; wind, 340°, force 4; weather, partly cloudy; sea, rough; wire angle, 18°.

| | | | | | | | | | | | |
|-----|-------|--------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 19.38 | 34.13 | 4.79 | 365 | 0 | 19.38 | 34.13 | 4.79 | 24.28 | 365 | 0.00 |
| 10 | 19.38 | 34.12 | 4.97 | 366 | 10 | 19.38 | 34.12 | 4.97 | 24.27 | 366 | 0.04 |
| 15 | 19.39 | 34.13 | 5.09 | 365 | 20 | 19.37 | 34.14 | 5.12 | 24.29 | 364 | 0.07 |
| 20 | 19.37 | 34.14 | 5.12 | 364 | 30 | 19.11 | 34.10 | 4.85 | 24.32 | 361 | 0.11 |
| 25 | 19.32 | 34.14 | 5.00 | 363 | 50 | 18.88 | 34.01 | 4.98 | 24.31 | 362 | 0.18 |
| 29 | 19.13 | 34.11 | 4.84 | 361 | 75 | 15.80 | 33.49 | 5.50 | 25.66 | 329 | 0.27 |
| 39 | 19.04 | 34.04 | 4.86 | 363 | 100 | 12.52 | 34.01 | 3.78 | 25.74 | 226 | 0.34 |
| 48 | 18.93 | 34.02 | 4.97 | 362 | 150 | 11.46 | 34.28 | 1.50 | 26.15 | 187 | 0.44 |
| 61 | 18.75 | 33.56u | 5.00 | - | 200 | 11.40 | 34.58 | 0.79 | 26.39 | 164 | 0.53 |
| 75 | 15.80 | 33.49 | 5.50 | 329 | 250 | 10.83 | 34.61 | 0.42 | 26.52 | 152 | 0.62 |
| 93 | 13.42 | 33.73 | 4.51 | 264 | 300 | 9.88 | 34.61 | 0.19 | 26.69 | 136 | 0.69 |
| 115 | 11.63 | 34.28 | 3.06 | 191 | | | | | | | |
| 151 | 11.44 | 34.28 | 1.43 | 187 | | | | | | | |
| 187 | 11.44 | 34.56 | 0.88 | 166 | | | | | | | |
| 231 | 11.15 | 34.60 | 0.53 | 158 | | | | | | | |
| 301 | 9.85 | 34.61 | 0.19 | 136 | | | | | | | |
| 377 | 9.02 | 34.57 | 0.15 | 126 | | | | | | | |

150.19

SPENCER F. BAIRD; February 15, 1955; 0510 GCT; 23°24'N, 110°39'W; sounding, 100 fm; wind, 310°, force 3; weather, clear; sea, moderate; wire angle, 07°.

| | | | | | | | | | | | |
|-----|-------|-------|------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 19.37 | 34.38 | 5.11 | 347 | 0 | 19.37 | 34.38 | 5.11 | 24.47 | 347 | 0.00 |
| 10 | 19.35 | 34.36 | 5.37 | 348 | 10 | 19.35 | 34.36 | 5.37 | 24.46 | 348 | 0.04 |
| 15 | 18.47 | 34.25 | 4.88 | 335 | 20 | 17.88 | 34.14 | 5.17 | 24.66 | 329 | 0.07 |
| 20 | 17.88 | 34.14 | 5.17 | 329 | 30 | 17.47 | 34.18 | 4.93 | 24.79 | 316 | 0.10 |
| 25 | 17.72 | 34.19 | 5.12 | 321 | 50 | 15.48 | 34.40 | 3.18 | 25.43 | 256 | 0.16 |
| 30 | 17.47 | 34.18 | 4.93 | 316 | 75 | 14.20 | 34.56 | 1.46 | 25.82 | 219 | 0.22 |
| 35 | 16.69 | 34.07 | 4.75 | 306 | 100 | 13.70 | 34.60 | 1.12 | 25.96 | 206 | 0.27 |
| 45 | 15.00 | 34.05 | - | 272 | 150 | 12.47 | 34.65 | 0.55 | 26.25 | 178 | 0.37 |
| 55 | 15.75 | 34.63 | 2.66 | 245 | | | | | | | |
| 64 | 14.93 | 34.49 | 2.13 | 238 | | | | | | | |
| 79 | 14.06 | 34.57 | 1.36 | 215 | | | | | | | |
| 98 | 13.76 | 34.60 | 1.16 | 206 | | | | | | | |
| 117 | 13.04 | 34.61 | 0.89 | 192 | | | | | | | |
| 150 | 12.47 | 34.65 | 0.55 | 178 | | | | | | | |

| OBSERVED | | | | | INTERPOLATED | | | | COMPUTED | | | SIO CCOFI 5502 |
|--|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-----------------------|--|-------------|----------------------|
| Z m | T °C | S % | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm/g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm/g | ΔD dyn.m | |
| SPENCER F. BAIRD; February 15, 1955; 0112 GCT; 23°12'N, 111°01.5'W; sounding, 780 fm; wind, 330°, force 3; weather, partly cloudy; sea, moderate; wire angle, 07°. | | | | | | | | | | | | 150.25 |
| 0 | 19.5 | 34.24 | 5.16 | 360 | 0 | 19.5 | 34.24 | 5.16 | 24.33 | 360 | 0.00 | |
| 10 | 19.15 | 34.22 | 5.42 | 353 | 10 | 19.15 | 34.22 | 5.42 | 24.41 | 353 | 0.04 | |
| 30 | 16.33 | 33.94 | 5.40 | 308 | 20 | 17.68 | 34.16 | 5.42 | 24.54 | 340 | 0.07 | |
| 45 | 15.75 | 33.94 | 4.81 | 295 | 30 | 16.33 | 33.94 | 5.40 | 24.88 | 308 | 0.10 | |
| 59 | 15.14 | 33.96 | 3.84 | 281 | 50 | 15.51 | 33.94 | 4.44 | 25.07 | 290 | 0.16 | |
| 69 | 14.65 | 34.09 | 3.14 | 262 | 75 | 13.84 | 33.99 | 2.96 | 25.46 | 253 | 0.23 | |
| 79 | 13.40 | 33.95 | 2.86 | 247 | 100 | 13.56 | 34.47 | 1.09 | 25.89 | 212 | 0.29 | |
| 93 | 13.62 | 34.39 | 1.36 | 220 | 150 | 12.30 | 34.64 | 0.54 | 26.27 | 176 | 0.39 | |
| 103 | 13.51 | 34.49 | 1.08 | 210 | 200 | 11.64 | 34.68 | 0.40 | 26.43 | 161 | 0.47 | |
| 117 | 13.05 | 34.54 | 0.96 | 197 | 250 | 10.87 | 34.65 | 0.27 | 26.54 | 150 | 0.55 | |
| 145 | 12.37 | 34.62 | 0.57 | 178 | 300 | 10.18 | 34.62 | 0.20 | 26.65 | 140 | 0.63 | |
| 175 | 12.05 | 34.69 | 0.49 | 167 | 400 | 8.73 | 34.59 | 0.15 | 26.86 | 120 | 0.76 | |
| 233 | 11.12 | 34.66 | 0.30 | 153 | 500 | 7.52 | 34.58 | 0.14 | 27.03 | 104 | 0.88 | |
| 301 | 10.15 | 34.62 | 0.19 | 140 | | | | | | | | |
| 418 | 8.54 | 34.59 | 0.14 | 117 | | | | | | | | |
| 555 | 6.84 | 34.57 | 0.14 | 95 | | | | | | | | |
| SPENCER F. BAIRD; February 14, 1955; 2133 GCT; 23°02'N, 111°20.5'W; sounding, 1400 fm; wind, 340°, force 2; weather, clear; sea, moderate; wire angle, 20°. | | | | | | | | | | | | 150.30 |
| 0 | 19.41 | 34.15 | 5.18 | 365 | 0 | 19.41 | 34.15 | 5.18 | 24.28 | 365 | 0.00 | |
| 10 | 19.15 | 34.14 | 5.07 | 359 | 10 | 19.15 | 34.14 | 5.07 | 24.35 | 359 | 0.04 | |
| 29 | 18.05 | 34.10 | 5.43 | 336 | 20 | 18.64 | 34.13 | 5.18 | 24.46 | 348 | 0.07 | |
| 43 | 17.07 | 33.94 | 5.27 | 325 | 30 | 18.00 | 34.09 | 5.43 | 24.60 | 335 | 0.11 | |
| 56 | 16.92 | 34.01 | 5.31 | 316 | 50 | 16.97 | 34.00 | 5.29 | 24.78 | 318 | 0.17 | |
| 65 | 16.80 | 33.95 | 5.30 | 318 | 75 | 16.36 | 34.01 | 4.56 | 24.92 | 304 | 0.25 | |
| 74 | 16.44 | 34.01 | 4.64 | 306 | 100 | 14.28 | 34.16 | 2.50 | 25.49 | 250 | 0.32 | |
| 88 | 15.08 | 33.95 | 3.76 | 281 | 150 | 13.02 | 34.56 | 0.97 | 26.07 | 195 | 0.43 | |
| 96 | 14.31 | 34.04 | 2.71 | 258 | 200 | 11.98 | 34.66 | 0.37 | 26.35 | 168 | 0.52 | |
| 110 | 14.26 | 34.44 | 1.95 | 229 | 250 | 10.92 | 34.66 | 0.24 | 26.54 | 151 | 0.61 | |
| 135 | 13.25 | 34.49 | 1.20 | 205 | 300 | 10.22 | 34.65 | 0.20 | 26.66 | 139 | 0.68 | |
| 162 | 12.82 | 34.61 | 0.74 | 188 | 400 | 9.02 | 34.64 | 0.16 | 26.86 | 120 | 0.82 | |
| 216 | 11.58 | 34.66 | 0.30 | 162 | 500 | 7.66 | 34.51 | 0.18 | 26.96 | 111 | 0.94 | |
| 279 | 10.48 | 34.65 | 0.22 | 143 | 600 | 6.66 | 34.50 | 0.14 | 27.09 | 98 | 1.05 | |
| 388 | 9.18 | 34.65 | 0.16 | 122 | | | | | | | | |
| 518 | 7.45 | 34.50 | 0.18 | 108 | | | | | | | | |
| 651 | 6.19 | 34.50 | 0.11 | 92 | | | | | | | | |
| SPENCER F. BAIRD; February 14, 1955; 0540 GCT; 22°55'N, 110°07'W; sounding, 175 fm; wind, 340°, force 1; weather, clear; sea, slight; wire angle, 00°. | | | | | | | | | | | | 153.16 |
| 0 | 20.60 | 34.51 | 5.04 | 368 | 0 | 20.60 | 34.51 | 5.04 | 24.25 | 368 | 0.00 | |
| 3p | 20.60 | 34.51 | 5.05 | 368 | 10 | 20.38 | 34.49 | 5.23 | 24.30 | 364 | 0.04 | |
| 8p | 20.40 | 34.48 | 5.19 | 365 | 20 | 20.07 | 34.42 | 5.17 | 24.32 | 361 | 0.07 | |
| 10 | 20.38 | 34.49 | 5.23 | 364 | 30 | 19.77 | 34.34 | 5.30 | 24.34 | 359 | 0.11 | |
| 15 | 20.32 | 34.49 | 5.19 | 362 | 50 | 17.72 | 34.34 | 4.46 | 24.83 | 313 | 0.18 | |
| 20 | 20.07 | 34.42 | 5.17 | 361 | 75 | 16.92 | 35.06 | 3.48 | 25.59 | 240 | 0.24 | |
| 24p | 19.90 | 34.34 | 5.22 | 363 | 100 | 15.17 | 34.91 | 1.52 | 25.89 | 212 | 0.30 | |
| 35p | 19.69 | 34.34 | 5.32 | 358 | 150 | 13.26 | 34.80 | 0.50 | 26.20 | 182 | 0.40 | |
| 51p | 17.52 | 34.34 | 4.20 | 306 | 200 | 11.87 | 34.79 | 0.32 | 26.47 | 157 | 0.49 | |
| 68p | 17.09 | 35.06 | 3.67 | 244 | 250 | 10.97 | 34.68 | 0.22 | 26.55 | 150 | 0.57 | |
| 89p | 15.87 | 34.96 | 2.21 | 224 | | | | | | | | |
| 121p | 14.16 | 34.85 | 0.88 | 196 | | | | | | | | |
| 167p | 12.78 | 34.78 | 0.38 | 174 | | | | | | | | |
| 199p | 11.87 | 34.79 | 0.32 | 157 | | | | | | | | |
| 256p | 10.87 | 34.66 | 0.19 | 149 | | | | | | | | |

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| | OBSERVED | | | | | INTERPOLATED | | | | | COMPUTED | | |
|--|----------|---------|--------|------------------------|--|--------------|---------|--------|------------------------|-----------------------|--|--------------|--|
| | Z m | T °C | S % | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm/g | Z m | T °C | S % | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm/g | ΔD dyn. m | |

153.20

SPENCER F. BAIRD; February 14, 1955; 0820 GCT; 22°47.5'N, 110°22'W; sounding, 535 fm; wind, 320°, force 2; weather, partly cloudy; sea, slight; wire angle, 05°.

| | | | | | | | | | | | |
|-----|-------|-------|--|-----|-----|---------|---------|--|---------|-------|--------|
| 0 | 20.64 | 34.54 | | 367 | 0 | 20.64 | 34.54 | | 24.26 | 367 | 0.00 |
| 10 | 20.62 | 34.43 | | 375 | 10 | 20.62 | 34.43 | | 24.18 | 375 | 0.04 |
| 25 | 19.88 | 34.41 | | 357 | 20 | 19.98 | 34.41 | | 24.34 | 360 | 0.07 |
| 35 | 20.46 | 34.64 | | 355 | 30 | 20.40 | 34.59 | | 24.38 | 356 | 0.11 |
| 45 | 20.05 | 34.61 | | 347 | 50 | 18.05 | 34.15 | | 24.63 | 332 | 0.18 |
| 50 | 18.05 | 34.15 | | 332 | 75 | 14.71 | 34.19 | | 25.43 | 256 | 0.25 |
| 55 | 17.87 | 34.18 | | 326 | 100 | 13.68 | 34.53 | | 25.91 | 210 | 0.31 |
| 60 | 16.66 | 34.12 | | 302 | 150 | 12.76 | 34.80 | | 26.30 | 173 | 0.41 |
| 65 | 16.29 | 34.11 | | 295 | 200 | 11.93 | 34.78 | | 26.44 | 160 | 0.49 |
| 70 | 15.66 | 34.09 | | 283 | 250 | (11.09) | (34.72) | | (26.56) | (148) | (0.57) |
| 80 | 14.23 | 34.28 | | 240 | | | | | | | |
| 99 | 13.71 | 34.52 | | 211 | | | | | | | |
| 123 | 13.47 | 34.77 | | 189 | | | | | | | |
| 147 | 12.84 | 34.80 | | 174 | | | | | | | |
| 195 | 12.00 | 34.78 | | 160 | | | | | | | |
| 234 | 11.52 | 34.72 | | 156 | | | | | | | |
| 243 | 11.28 | 34.72 | | 152 | | | | | | | |

153.20

SPENCER F. BAIRD; February 14, 1955; 0924 GCT; 22°47.5'N, 110°22'W; sounding, 525 fm; wind, 320°, force 2; weather, partly cloudy; sea, slight; wire angle, 13°.

| | | | | | | | | | | | |
|-----|---------|-------|------|-----|-----|--------|---------|------|---------|------|--------|
| 0 | 20.62 | 34.48 | 5.06 | 371 | 0 | 20.62 | 34.48 | 5.06 | 24.22 | 371 | 0.00 |
| 20 | 20.18 | 34.43 | 5.04 | 363 | 10 | 20.38 | 34.46 | 5.05 | 24.27 | 366 | 0.04 |
| 30 | 20.45 | 34.39 | 4.92 | 373 | 20 | 20.18 | 34.43 | 5.04 | 24.30 | 363 | 0.07 |
| 40 | 20.30 | 34.52 | 4.92 | 360 | 30 | 20.45 | 34.39 | 4.92 | 24.20 | 373 | 0.11 |
| 50 | 19.81 | 34.50 | 4.75 | 349 | 50 | 19.81 | 34.50 | 4.75 | 24.45 | 349 | 0.18 |
| 59 | 18.95 | 34.17 | 4.04 | 352 | 75 | 16.30 | 34.13 | 2.98 | 25.03 | 294 | 0.26 |
| 69 | 17.26a) | 34.12 | 3.61 | 316 | 100 | 13.68 | 34.47 | 1.33 | 25.86 | 215 | 0.33 |
| 79 | 15.91 | 34.14 | 2.66 | 284 | 150 | 12.95 | 34.78 | 0.42 | 26.25 | 178 | 0.43 |
| 89 | 14.27 | 34.24 | 2.00 | 243 | 200 | 11.92 | 34.78 | 0.26 | 26.44 | 159 | 0.51 |
| 114 | 13.35 | 34.70 | 0.76 | 191 | 250 | 11.27 | 34.73 | 0.14 | 26.54 | 150 | 0.56 |
| 143 | 13.07 | 34.78 | 0.45 | 180 | 300 | 10.58 | 34.68 | 0.12 | 26.62 | 143 | 0.67 |
| 191 | 12.08 | 34.78 | 0.29 | 162 | 400 | 9.09 | 34.62 | 0.10 | 26.82 | 123 | 0.81 |
| 248 | 11.29 | 34.73 | 0.14 | 151 | 500 | 7.72 | 34.56 | 0.12 | 26.99 | 108 | 0.93 |
| 348 | 9.88 | 34.64 | 0.11 | 144 | 600 | (6.82) | (34.52) | | (27.08) | (99) | (1.04) |
| 465 | 8.09 | 34.58 | 0.10 | 122 | | | | | | | |
| 588 | 6.95 | 34.52 | 0.22 | 100 | | | | | | | |

153.30

SPENCER F. BAIRD; February 14, 1955; 1520 GCT; 22°22'N, 110°59.5'W; sounding, 1800 fm; wind, 340°, force 4; weather, clear; sea, moderate; wire angle, 32°.

| | | | | | | | | | | | |
|-----|---------|-------|--------|-----|-----|-------|-------|------|-------|-----|------|
| 0 | 19.72 | 34.36 | 5.10 | 357 | 0 | 19.72 | 34.36 | 5.10 | 24.37 | 357 | 0.00 |
| 9 | 19.78 | 34.36 | 4.98 | 358 | 10 | 19.78 | 34.36 | 4.98 | 24.36 | 358 | 0.04 |
| 26 | 19.01 | 34.28 | 4.95 | 345 | 20 | 19.46 | 34.33 | 4.97 | 24.41 | 352 | 0.07 |
| 39 | 18.52 | 34.18 | 4.94 | 341 | 30 | 18.83 | 34.25 | 4.94 | 24.51 | 344 | 0.11 |
| 48 | 18.31 | 34.12 | 5.63b) | 341 | 50 | 18.26 | 34.12 | 5.26 | 24.55 | 339 | 0.17 |
| 56 | 18.16 | 34.13 | 4.80 | 336 | 75 | 17.72 | 34.16 | 4.52 | 24.71 | 324 | 0.26 |
| 65 | 18.12 | 34.11 | 5.16 | 336 | 100 | 15.36 | 34.39 | 1.66 | 25.44 | 254 | 0.33 |
| 73 | 17.93 | 34.16 | 4.59 | 328 | 150 | 12.88 | 34.76 | 0.10 | 26.25 | 178 | 0.44 |
| 85 | 16.87 | 34.11 | 4.28 | 308 | 200 | 11.94 | 34.79 | 0.07 | 26.45 | 158 | 0.52 |
| 93 | 16.12 | 34.26 | 2.58 | 280 | 250 | 11.17 | 34.75 | 0.07 | 26.57 | 147 | 0.60 |
| 111 | 14.61 | 34.52 | 0.84 | 229 | 300 | 10.37 | 34.72 | 0.07 | 26.69 | 136 | 0.68 |
| 130 | 13.52 | 34.70 | 0.22 | 195 | 400 | 8.76 | 34.72 | 0.14 | 26.96 | 110 | 0.81 |
| 164 | 12.58 | 34.78 | 0.08 | 170 | 500 | 7.40 | 34.54 | 0.13 | 27.01 | 106 | 0.92 |
| 208 | 11.80 | 34.79 | 0.07 | 156 | | | | | | | |
| 290 | 10.54c) | 34.72 | 0.07 | 139 | | | | | | | |
| 393 | 8.85 | 34.72 | 0.14 | 111 | | | | | | | |
| 511 | 7.24 | 34.51 | 0.13 | 105 | | | | | | | |

a) Mean value of 17.08 and 17.44°C.

b) Mean value of 5.53 and 5.73 ml/L.

c) Mean value of 10.49 and 10.60°C.

| OBSERVED | | | | | | INTERPOLATED | | | | | COMPUTED | | |
|---|---------|---------|------------------------|--|--------|--------------|--------|------------------------|-----------------------|--|--------------|---------------|--|
| Z m | T °C | S ‰ | O ₂ ml/L | δT ₃ 10 ⁻⁵ cm/g | Z m | T °C | S ‰ | O ₂ ml/L | σ _t g/L | δT ₃ 10 ⁻⁵ cm/g | ΔD dyn. m | CCOFI 5502 | |
| SPENCER F. BAIRD; February 13, 1955; 2327 GCT; 22°39'N, 109°18'W; sounding, 1650 fm; wind, 040°, force 3; weather, clear; sea, moderate; wire angle, 18°. | | | | | | | | | | | | 157.10 | |
| 0 | 20.87 | 34.94 | 5.07 | 344 | 0 | 20.87 | 34.94 | 5.07 | 24.51 | 344 | 0.00 | | |
| 10 | 20.88 | 34.86 | 5.04 | 349 | 10 | 20.88 | 34.86 | 5.04 | 24.45 | 349 | 0.04 | | |
| 30 | 20.83 | 34.83 | 5.06 | 351 | 20 | 20.85 | 34.84 | 5.05 | 24.44 | 350 | 0.07 | | |
| 44 | 20.75 | 34.80 | 5.06 | 351 | 30 | 20.83 | 34.83 | 5.06 | 24.43 | 351 | 0.10 | | |
| 53 | 20.76 | 34.86 | 4.96 | 347 | 50 | 20.76 | 34.83 | 5.00 | 24.46 | 348 | 0.17 | | |
| 62 | 20.76 | 34.87 | 4.80 | 346 | 75 | 20.49 | 34.78 | 4.67 | 24.49 | 345 | 0.26 | | |
| 71 | 20.68 | 34.78 | 4.76 | 351 | 100 | 18.38 | 34.80 | 3.20 | 25.04 | 293 | 0.34 | | |
| 80 | 20.03 | 34.80 | 4.45 | 332 | 150 | 13.76 | 34.70 | 0.48 | 26.02 | 199 | 0.47 | | |
| 94 | 18.65 | 34.74 | 3.34 | 304 | 200 | 12.52 | 34.80 | 0.11 | 26.35 | 168 | 0.56 | | |
| 103 | 18.25 | 34.81 | 3.13 | 289 | 250 | 11.32 | 34.79 | 0.53 | 26.57 | 147 | 0.64 | | |
| 126 | 14.90 | 34.64 | 0.93 | 227 | 300 | 10.54 | 34.76 | 0.45 | 26.69 | 136 | 0.72 | | |
| 153 | 13.65 | 34.71 | 0.42 | 197 | 400 | 9.29 | 34.72 | 0.17 | 26.87 | 119 | 0.85 | | |
| 204 | 12.43 | 34.80 | 0.09 | 166 | 500 | 8.05 | 34.67 | 0.14 | 27.02 | 104 | 0.97 | | |
| 265 | 11.00 | 34.78 | 0.59 | 142 | 600 | 6.92 | 34.60 | 0.12 | 27.13 | 94 | 1.07 | | |
| 372 | 9.66 | - | 0.21 | - | | | | | | | | | |
| 495 | 8.11 | 34.67 | 0.14 | 105 | | | | | | | | | |
| 627 | 6.61 | 34.58 | 0.12 | 92 | | | | | | | | | |
| SPENCER F. BAIRD; February 13, 1955; 1757 GCT; 22°21'N, 109°56.5'W; sounding, 1750 fm; wind, 060°, force 2; weather, clear; sea, slight; wire angle, 10°. | | | | | | | | | | | | 157.20 | |
| 0 | 20.01 | 34.42 | 4.64 | 360 | 0 | 20.01 | 34.42 | 4.64 | 24.34 | 360 | 0.00 | | |
| 10 | 19.61 | 34.56 | 5.04 | 340 | 10 | 19.61 | 34.56 | 5.04 | 24.55 | 340 | 0.04 | | |
| 30 | 18.99 | 34.43 | 5.47 | 334 | 20 | 19.31 | 34.51 | 5.23 | 24.58 | 336 | 0.07 | | |
| 45 | 17.52 | 34.36 | 4.64 | 304 | 30 | 18.99 | 34.43 | 5.47 | 24.61 | 334 | 0.10 | | |
| 54 | 16.04 | 34.12 | 3.35 | 289 | 50 | 16.50 | 34.18 | 3.90 | 25.02 | 295 | 0.16 | | |
| 64 | 16.86 | 34.58 | 4.26 | 273 | 75 | 15.46 | 34.34 | 3.09 | 25.37 | 262 | 0.24 | | |
| 73 | 15.82 | 34.40 | 3.18 | 264 | 100 | 13.87 | 34.43 | 1.13 | 25.79 | 221 | 0.30 | | |
| 84 | 14.05 | 34.07a) | 2.69 | 251 | 150 | 12.48 | 34.63 | 0.62 | 26.22 | 180 | 0.40 | | |
| 97 | 13.94 | 34.41 | 1.16 | 224 | 200 | 12.04 | 34.75 | 0.26 | 26.41 | 163 | 0.48 | | |
| 106 | 13.60 | 34.46 | 1.09 | 214 | 250 | 11.40 | 34.66 | 0.34 | 26.46 | 158 | 0.57 | | |
| 129 | 12.98 | 34.57 | 0.71 | 194 | 300 | 10.66 | 34.61 | 0.36 | 26.56 | 149 | 0.65 | | |
| 158 | 12.34 | 34.65 | 0.60 | 176 | 400 | 9.09 | 34.61 | 0.19 | 26.82 | 124 | 0.79 | | |
| 209 | 11.98 | 34.75 | 0.21 | 161 | 500 | 7.74 | 34.59 | 0.29 | 27.01 | 106 | 0.91 | | |
| 272 | 11.08 | 34.62 | 0.43 | 156 | 600 | 6.81 | 34.57 | 0.28 | 27.12 | 95 | 1.01 | | |
| 381 | 9.38 | 34.61 | 0.17 | 128 | | | | | | | | | |
| 507 | 7.64 | 34.59 | 0.29 | 105 | | | | | | | | | |
| 641 | 6.45 | 34.56 | 0.26 | 91 | | | | | | | | | |
| SPENCER F. BAIRD; February 13, 1955; 1126 GCT; 21°53'N, 110°41'W; sounding, 1800 fm; wind, 340°, force 2; weather, clear; sea, slight; wire angle, 25°. | | | | | | | | | | | | 157.30 | |
| 0 | 20.70 | 34.59 | 4.81 | 365 | 0 | 20.70 | 34.59 | 4.81 | 24.28 | 365 | 0.00 | | |
| 10 | 20.71 | 34.60 | 4.64 | 364 | 10 | 20.71 | 34.60 | 4.64 | 24.29 | 364 | 0.04 | | |
| 28 | 20.43 | 34.52 | 4.42 | 363 | 20 | 20.57 | 34.53 | 4.42 | 24.29 | 364 | 0.07 | | |
| 37 | 20.23 | 34.50 | 4.63 | 360 | 30 | 20.38 | 34.52 | 4.48 | 24.31 | 362 | 0.11 | | |
| 46 | 19.89 | 34.42 | 4.76 | 356 | 50 | 19.50 | 34.34 | 4.75 | 24.41 | 353 | 0.18 | | |
| 55 | 18.85 | 34.24 | 4.74 | 345 | 75 | 16.68 | 34.00 | 4.16 | 24.84 | 312 | 0.26 | | |
| 63 | 17.92 | 34.16 | 4.71 | 328 | 100 | 14.08 | 33.96 | 3.08 | 25.39 | 260 | 0.34 | | |
| 71 | 17.12 | 34.06 | 4.22 | 317 | 150 | 12.54 | 34.58 | 0.76 | 26.17 | 185 | 0.45 | | |
| 80 | 16.01 | 33.91 | 4.09 | 303 | 200 | 11.45 | 34.67 | 0.34 | 26.45 | 159 | 0.54 | | |
| 88 | 14.60 | 33.79 | 3.38 | 283 | 250 | 10.69 | 34.65 | 0.22 | 26.58 | 147 | 0.62 | | |
| 107 | 13.85 | 34.25 | 2.87 | 234 | 300 | 10.06 | 34.64 | 0.18 | 26.68 | 137 | 0.69 | | |
| 129 | 13.28 | 34.50 | 0.88 | 205 | 400 | 8.92 | 34.63 | 0.15 | 26.86 | 120 | 0.82 | | |
| 165 | 12.15 | 34.61 | 0.66 | 175 | 500 | 7.76 | 34.56 | 0.10 | 26.98 | 109 | 0.94 | | |
| 210 | 11.30 | 34.67 | 0.29 | 155 | | | | | | | | | |
| 293 | 10.15 | 34.64 | 0.18 | 138 | | | | | | | | | |
| 392 | 9.02 | 34.63 | 0.15 | 121 | | | | | | | | | |
| 506 | 7.70 | 34.55 | 0.10 | 108 | | | | | | | | | |

a) Mean value of 34.04 and 34.10‰.

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