OCEANOGRAPHICAL OBSERVATIONS
*IN THE INDIAN AND PACIFIC OCEANS IN 1961*
H.M.A.S. *GASCOYNE*
Cruise G 2/61

# OCEANOGRAPHICAL CRUISE REPORT NO. 10

**DIVISION OF FISHERIES AND OCEANOGRAPHY**
COMMONWEALTH SCIENTIFIC AND INDUSTRIAL
RESEARCH ORGANIZATION, AUSTRALIA 1966

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MELBOURNE, 1966

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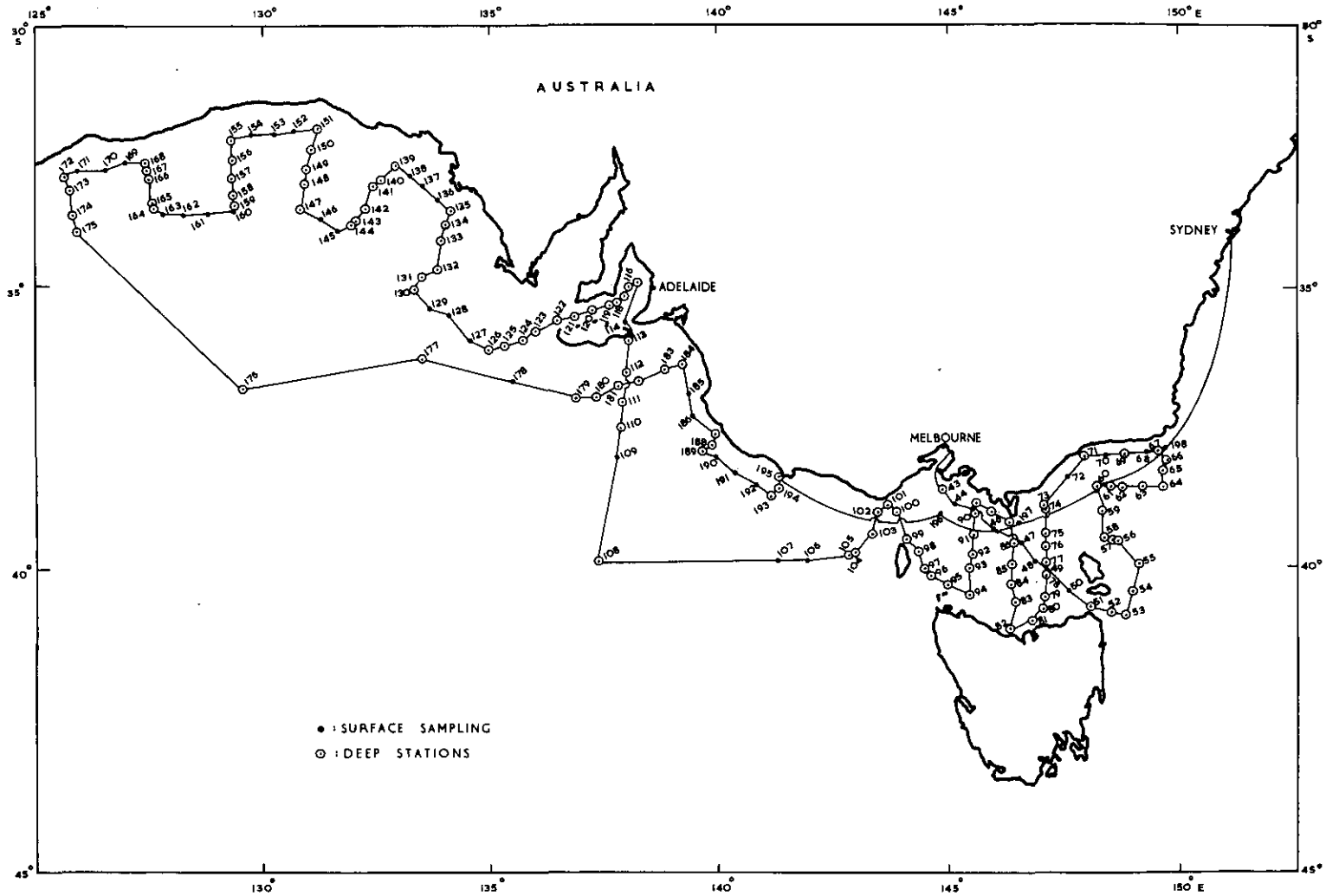
AUSTRALIA
ADELAIDE
MELBOURNE
SYDNEY
● : SURFACE SAMPLING
⊙ : DEEP STATIONS

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# OCEANOGRAPHICAL OBSERVATIONS IN THE INDIAN AND PACIFIC OCEANS IN 1961

H.M.A.S. GASCOYNE

Cruise G2/61

February 21 - March 15, 1961

## I. INTRODUCTION

This report records the data for the second cruise in 1961 of H.M.A.S. Gascoyne, Royal Australian Navy oceanographical frigate, in the Indian and Pacific Oceans.

### Objectives

To make a hydrological survey of Bass Strait and its approaches and of the Great Australian Bight; to check the influence of water from the South Australian Gulfs on Bass Strait; to study the physical processes of heating, cooling and evaporation in these areas.

### Itinerary

The cruise began at Melbourne on February 21, occupied a series of 156 stations in Bass Strait and its approaches, in the Great Australian Bight, and in South Australian coastal waters, and ended at Sydney on March 15.

### Scientific Personnel

D. Vaux (Cruise Leader)
R.M. Davies
E.L. Deacon (CSIRO Division of Meteorological Physics)
G.C. Irving
B. Scott
J. Staniforth
J. Stevenson (CSIRO Division of Meteorological Physics)

Salinity, oxygen, and inorganic phosphate determinations were done in the ship's laboratory by J. Staniforth. The primary production samples were taken and incubated aboard by

B. Scott, who also made the counts at Cronulla. The samples for pigment determination were taken aboard by B. Scott. The data were processed under the direction of W. Hedge with computer programmes designed by A.D. Crooks. Accuracy of cruise data is the responsibility of the Cruise Leader, D. Vaux.

## II. WORK ACCOMPLISHED

One hundred and fifty six stations were worked (G2/43/61 - G2/198/61). Bathythermograph casts were made at 54 stations. Surface hydrology samples were collected at 156 stations, subsurface hydrology samples at 115 stations, primary production at 14 stations, and pigments at 13 stations.

TABLE 1

WORK DONE AT EACH STATION

| Stn No. | BT | Hydrology 1 | Hydrology 2 | Primary Production | Pigments |
|---|---|---|---|---|---|
| 43 | | + | + | | |
| 44 | | + | | | |
| 45 | | + | | | |
| 46 | | + | | | |
| 47 | | + | | | |
| 48 | | + | | | |
| 49 | | + | | | |
| 50 | | + | | | |
| 51 | | + | + | | |
| 52 | | + | + | | |
| 53 | | + | + | | |
| 54 | | + | + | | |
| 55 | | + | + | | |
| 56 | + | + | + | | |
| 57 | | + | + | | |
| 58 | | + | + | | |
| 59 | | + | + | | |
| 60 | | + | + | | |
| 61 | + | + | + | | |
| 62 | | + | + | | |
| 63 | | + | + | | |
| 64 | | + | + | | |
| 65 | | + | + | | |
| 66 | | + | + | | |

| Stn No. | BT | Hydrology 1 | Hydrology 2 | Primary Production | Pigments |
|---|---|---|---|---|---|
| 67 | | + | + | | |
| 68 | | + | | | |
| 69 | | + | + | | |
| 70 | | + | | | |
| 71 | | + | + | | |
| 72 | | + | | | |
| 73 | | + | + | | |
| 74 | | + | + | | |
| 75 | | + | + | | |
| 76 | | + | + | | |
| 77 | | + | + | | |
| 78 | | + | + | | |
| 79 | | + | + | | |
| 80 | | + | + | | |
| 81 | | + | + | | |
| 82 | | + | + | | |
| 83 | | + | + | | |
| 84 | | + | + | | |
| 85 | | + | + | | |
| 86 | | + | + | | |
| 87 | | + | + | | |
| 88 | | + | + | | |
| 89 | | + | + | | |
| 90 | | + | + | | |
| 91 | | + | + | | |
| 92 | | + | + | | |
| 93 | | + | + | | |
| 94 | + | + | + | | |
| 95 | + | + | + | | |
| 96 | + | + | + | | |
| 97 | | + | + | | |
| 98 | | + | + | | |
| 99 | + | + | + | | |
| 100 | + | + | + | | |
| 101 | + | + | + | | |
| 102 | + | + | + | | |
| 103 | + | + | + | | |
| 104 | + | + | + | | |
| 105 | + | + | + | | |
| 106 | | + | | | |
| 107 | | + | | | |
| 108 | + | + | + | | |
| 109 | | + | | | |

| Stn No. | BT | Hydrology 1 | Hydrology 2 | Primary Production | Pigments |
|---|---|---|---|---|---|
| 110 | + | + | + | | |
| 111 | + | + | + | | |
| 112 | + | + | + | | |
| 113 | + | + | + | | |
| 114 | | + | | | |
| 115 | | + | + | | |
| 116 | | + | + | | |
| 117 | | + | + | | |
| 118 | | + | + | | |
| 119 | | + | + | | |
| 120 | | + | + | | |
| 121 | | + | + | | |
| 122 | | + | + | | |
| 123 | | + | + | | |
| 124 | + | + | + | | |
| 125 | + | + | + | | |
| 126 | + | + | + | + | + |
| 127 | | + | | | |
| 128 | | + | | | |
| 129 | | + | | | |
| 130 | + | + | + | + | + |
| 131 | + | + | + | | |
| 132 | + | + | + | | |
| 133 | + | + | + | | |
| 134 | + | + | + | | |
| 135 | + | + | + | | |
| 136 | | + | | | |
| 137 | | + | | | |
| 138 | | + | | | |
| 139 | | + | + | + | + |
| 140 | | + | + | | |
| 141 | | + | + | | |
| 142 | + | + | + | | |
| 143 | + | + | + | | |
| 144 | + | + | + | + | + |
| 145 | | + | | | |
| 146 | | + | | | |
| 147 | + | + | + | | |
| 148 | + | + | + | | |
| 149 | + | + | + | | |
| 150 | | + | + | | |
| 151 | + | + | + | + | + |
| 152 | | + | | | |

| Stn No. | BT | Hydrology 1 | Hydrology 2 | Primary Production | Pigments |
|---|---|---|---|---|---|
| 153 | | + | | | |
| 154 | | + | | | |
| 155 | + | + | + | + | + |
| 156 | | + | + | | |
| 157 | | + | + | | |
| 158 | + | + | + | | |
| 159 | | + | + | | |
| 160 | | + | | | |
| 161 | | + | | | |
| 162 | | + | | | |
| 163 | | + | | | |
| 164 | + | + | + | + | + |
| 165 | + | + | + | | |
| 166 | + | + | + | | |
| 167 | + | + | + | + | + |
| 168 | + | + | + | | |
| 169 | | + | | | |
| 170 | | + | | | |
| 171 | | + | | | |
| 172 | | + | + | | |
| 173 | | + | + | | |
| 174 | | + | + | | |
| 175 | | + | + | + | |
| 176 | + | + | + | + | + |
| 177 | + | + | + | + | + |
| 178 | | + | | | |
| 179 | + | + | + | | |
| 180 | + | + | + | + | + |
| 181 | + | + | + | | |
| 182 | + | + | + | | |
| 183 | + | + | + | | |
| 184 | + | + | + | | |
| 185 | | + | | | |
| 186 | | + | | | |
| 187 | + | + | + | + | + |
| 188 | + | + | + | | |
| 189 | + | + | + | | |
| 190 | | + | | | |
| 191 | | + | | | |
| 192 | | + | | | |
| 193 | + | + | + | + | + |
| 194 | + | + | + | | |
| 195 | + | + | + | | |

| Stn No. | BT | Hydrology 1 | Hydrology 2 | Primary Production | Pigments |
|---|---|---|---|---|---|
| 196 | | + | | | |
| 197 | | + | | | |
| 198 | | + | | | |

BT Bathythermograms

Hydrology 1 Surface
2 Subsurface

## III. METHOD OF COLLECTION AND ANALYSIS OF SAMPLES

### 1. Physics

Temperature.- Water temperatures were taken with deep-sea reversing thermometers. Two protected thermometers were used at each depth, together with an unprotected thermometer on all but the upper five Nansen water bottles. Differences between corrected protected thermometer readings were generally less than 0.04 deg C, and the mean values listed in this cruise report are considered accurate to $\pm$ 0.03 deg C.

Thermometric Depth.- Depth calculations were made by the second method described by La Fond (1951), plotting thermometric depth against the difference between thermometric and wire depths. Depths are considered accurate to $\pm$ 5 m at depths less than 200 m, $\pm$ 10 m at depths between about 200 and 400 m, and about 2% at depths from 400 to 1500 m.

Bathythermograph Results.- BT slides have been processed by the N.O.D.C. Washington according to their published manual (N.O.D.C. 1964) and a listing of temperature at 5 m intervals will be included in a later report.

Sigma-t.- Values were calculated from temperature and salinity by computer using the equations of Knudsen (La Fond 1951).

### 2. Chemistry

Salinity.- A chlorinity-temperature meter of the conductivity type (Hamon 1956) was used on board to estimate chlorinity, subsequently converted to salinity by the relation.

$$\text{Salinity} = 0.03 + 1.805 \times \text{Chlorinity}$$

Dissolved Oxygen.- A version of the standard Winkler method was used to determine the amount of dissolved oxygen in the seawater samples. The version used is a modification of that described by Thompson and Robinson (1939) and differs in some respects from the revision by Jacobsen, Robinson and Thompson (1950). Potassium iodate was used as the iodometric standard, and the reagents necessary to fix the oxygen in solution were used at different concentrations (Rochford 1963). Duplicate titrations were made on approximately every tenth sample. Saturation values were calculated by computer using the simpler of the equations given by Richards and Corwin (1956),

$$\frac{O_2 \text{ (ml/l)} \times (33.5 + T^{\circ}C) \times 100}{332.4 - (1.854 \times S\text{‰})}$$

Inorganic Phosphate.- The method of Atkins (1923) was used with 1 ml molybdate reagent (300 ml 10% w/v ammonium molybdate and 100 ml 50% v/v sulphuric acid) and 0.1 ml 1% stannous chloride diluted afresh from a 40% stock solution in hydrochloric acid, which was kept under paraffin. The reagents were automatically dispensed by piston dispensers.

Standard phosphate solutions were made up in distilled water. At air temperatures less than 25° analyses were carried out in batches of 10; readings were begun within 10 minutes of adding reagents, and completed within 10 minutes. At air temperatures greater than 25° batches of 6 were analysed; readings were commenced within 5 minutes of adding reagents and completed within 7 minutes. Each batch was compared with a distilled water blank and a 0.65 µg-atom/l standard in a Hilger Spekker absorptiometer using 4 cm cells and Ilford 608 filters. Each day a complete calibration was made using standards up to 3.25 µg-atom/l. Results are given as µg-atom/l without any correction for salt error and are precise to ± 10% for values less than 0.5 µg-atom/l and ± 5% for higher values. If it is wished to correct for salt effects the results given should be multiplied by 1.15.

Nitrate.- After collection, water samples were stored in plastic bottles and preserved with 2 drops of saturated $HgCl_2$. Nitrate was determined at Cronulla by the strychnidine method (Rochford 1947). The reagent was prepared by adding 0.64 g strychnidine to a litre of nitrate-free sulphuric acid. 5 ml of this reagent were added, with minimum agitation, to 5 ml seawater or standard nitrate solution. The standards were made up in a mixture of equal volumes of artificial seawater and nitrate-

free sulphuric acid. The standards and samples were shaken to distribute the reagent, and the colour developed for 2 hours. The solutions were read in a Unicam SP 600 spectrophotometer at a wavelength of 530 mμ using a 5 mm cell. Samples with an absorbance greater than that of the standard corresponding to 14.4 μg-atom/l were diluted with artificial seawater-sulphuric acid mixture before reading. Results are given in μg-atom/l.

### 3. Primary Production

Samples were taken with twin "light" and "dark" 400 ml Perspex bottles and incubated under constant artificial light of about 1100 ft candles. The $^{14}C$ method described by Dyson et al. (1965) was used.

### 4. Pigments

Water samples were taken with a plastic sampler and filtered within one or two hours through HA Millipore filters. The filters were placed in glass vials and stored in metal desiccators over silica gel. The analyses were carried out at Cronulla using the method given by Humphrey (1960).

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## IV. DATA SHEETS

Hydrology data were processed in a Control Data 3600 Computer and primary production and pigment data in an I.B.M. 1401 Computer. Explanations of the headings for each section are given at the beginning of the relevant part.

# DATA

# PART 1

# HYDROLOGY

# DEEP STATIONS

## EXPLANATION OF HEADINGS

Parts 1 and 2 — Hydrology

STATION — Gives the station identification. For example, G2/43/61 signifies the 43rd station worked by Gascoyne in 1961, on her 2nd cruise for that year

DATE — Given as day/month/year

TIME — Given in Zone Time, and is the time at the beginning of the first cast. The code letter used for the time zone (Table 2) follows the time

## TABLE 2

## CODE FOR TIME ZONES

| Longitude Exceeding | Up to but not exceeding | Time Zone (hrs) | Code |
|---|---|---|---|
| 07°30'E. | 22°30'E. | -1 | A |
| 22°30'E. | 37°30'E. | -2 | B |
| 37°30'E. | 52°30'E. | -3 | C |
| 52°30'E. | 67°30'E. | -4 | D |
| 67°30'E. | 82°30'E. | -5 | E |
| 82°30'E. | 97°30'E. | -6 | F |
| 97°30'E. | 112°30'E. | -7 | G |
| 112°30'E. | 127°30'E. | -8 | H |
| 127°30'E. | 142°30'E. | -9 | I |
| 142°30'E. | 157°30'E. | -10 | K |
| 157°30'E. | 172°30'E. | -11 | L |
| 172°30'E. | 180° | -12 | M |
| 180° | 172°30'W. | +12 | Y |
| 172°30'W. | 157°30'W. | +11 | X |
| 157°30'W. | 142°30'W. | +10 | W |
| 142°30'W. | 127°30'W. | +9 | V |
| 127°30'W. | 112°30'W. | +8 | U |
| 112°30'W. | 97°30'W. | +7 | T |
| 97°30'W. | 82°30'W. | +6 | S |
| 82°30'W. | 67°30'W. | +5 | R |
| 67°30'W. | 52°30'W. | +4 | Q |
| 52°30'W. | 37°30'W. | +3 | P |

| Longitude Exceeding | Up to but not exceeding | Time Zone (hrs) | Code |
|---|---|---|---|
| 37°30'W. - | 22°30'W. | +2 | O |
| 22°30'W. - | 07°30'W. | +1 | N |
| 07°30'W. - | 07°30'E. | 0 | Z |

| | |
|---|---|
| LATITUDE LONGITUDE | Given in degrees and minutes |
| SONIC DEPTH | Given in metres, measured at standard sound velocity of 800 fm (1463 m) per second |
| AIR TEMP. WET DRY | Air temperatures recorded from wet and dry bulb thermometers in °C |
| WIND DIR. SP. | Wind direction and speed are coded using Tables 8 and 9 in U.S. Hydrogr. Office (1955) |
| ANEM. HEIGHT | The average height of the anemometer above sea level, given in metres |
| CLOUD TYPE AMT. | Cloud type and amount are coded using Tables 2 and 3 in U.S. Hydrogr. Office (1955) |
| VIS. | Visibility is coded using Table 4 in U.S. Hydrogr. Office (1955) |
| SEA DIR. AMT. | Sea direction and amount are coded using Tables 5 and 8 in U.S. Hydrogr. Office (1955) |
| SWELL DIR. AMT. | Sea swell direction and amount are coded using Tables 6 and 8 in U.S. Hydrogr. Office (1955) |
| ATMOS. PRESSURE | Atmospheric pressure given in millibars |
| WIRE ANGLES CAST 1 CAST 2 | Wire angles are measured at the surface and expressed in degrees for each cast. An asterisk indicates that the wire angle was not measured |

| | |
|---|---|
| CAST | The cast number corresponding to the wire angle is shown |
| DEPTH | Actual sampling depth, given in metres |
| TEMP. | Sea temperatures recorded in $^{o}C$ |
| SALINITY | Given in parts per thousand |
| SIGMA-T | Sigma-t to 2 decimal places |
| OXYGEN | Given in ml/l |
| OXYGEN % SAT. | Oxygen percentage saturation |
| INORG. P, TOTAL P and NITRATE | Given in µg-atom/l |
| *** | Indicates no data available |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 43/61 | 21/ 2/61 | 1700 K | 38 38 S | 144 55 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAS13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76 | *** | *** | * | * | 16 | * | * | * | * | * | * | * | * | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.90 | 35.420 | 25.13 | 5.31 | 106 | 0.14 | *** | *** |
| 1 | 25 | 17.47 | 35.350 | 25.69 | 5.56 | 106 | 0.10 | *** | *** |
| 1 | 50 | 13.41 | 35.260 | 26.53 | 4.66 | 82 | 0.39 | *** | *** |
| 1 | 75 | 13.40 | 35.260 | 26.53 | 4.75 | 83 | 0.38 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 27 51/61 | 22/ 2/61 | 0930 K | 40 40 S | 148 10 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 62 | 20.0 | 21.1 | 13 | 2 | 16 | * | * | 1 | * | * | 13 | 1 | 1007.1 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 20.11 | 35.590 | 25.20 | 5.11 | 103 | 0.14 | *** | *** |
| 1 | 28 | 20.10 | 35.590 | 25.20 | 5.11 | 103 | 0.15 | *** | *** |
| 1 | 58 | 20.10 | 35.590 | 25.20 | 5.04 | 101 | 0.18 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 52/61 | 22/ 2/61 | 1137 K | 40 43 S | 148 36 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 61 | 20.6 | 22.2 | 01 | 2 | 16 | 2 | 1 | 7 | * | * | 06 | 1 | 1006.5 | * | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 20.38 | 35.580 | 25.12 | 5.42 | 110 | 0.07 | *** | *** |
| 1 | 25 | 18.64 | 35.570 | 25.57 | 5.49 | 107 | 0.06 | *** | *** |
| 1 | 55 | 15.71 | 35.380 | 26.12 | 4.89 | 90 | 0.40 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 53/61 | 22/ 2/61 | 1315 K | 40 46 S | 148 53 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 988 | 21.1 | 22.8 | 01 | 2 | 16 | 1 | 7 | 8 | * | * | 05 | 1 | 1006.5 | 0 | 0 | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 19.88 | 35.540 | 25.22 | 5.34 | 107 | 0.09 | *** | *** |
| 2 | 25 | 18.93 | 35.530 | 25.46 | 5.53 | 109 | 0.10 | *** | *** |
| 2 | 50 | 16.56 | 35.440 | 25.97 | 5.25 | 99 | 0.24 | *** | *** |
| 2 | 75 | 14.78 | 35.370 | 26.32 | 4.91 | 89 | 0.50 | *** | *** |
| 2 | 97 | 13.92 | 35.320 | 26.47 | 4.80 | 85 | 0.59 | *** | *** |
| 2 | 145 | 13.07 | 35.250 | 26.59 | 4.90 | 85 | 0.68 | *** | *** |
| 2 | 193 | 12.35 | 35.150 | 26.66 | 4.88 | 84 | 0.70 | *** | *** |
| 1 | 286 | 11.01 | 34.970 | 26.77 | 4.85 | 81 | 0.84 | *** | *** |
| 1 | 471 | 8.75 | 34.650 | 26.90 | 5.03 | 79 | 1.09 | *** | *** |
| 1 | 659 | 7.85 | 34.580 | 26.99 | 4.52 | 70 | 1.36 | *** | *** |
| 1 | 837 | 5.60 | 34.480 | 27.21 | 4.20 | 61 | 1.61 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 54/61 | 22/ 2/61 | 1645 K | 40 24 S | 149 01 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1920 | 21.1 | 23.3 | 02 | 3 | 16 | 1 | 2 | 7 | 02 | 2 | 02 | 1 | 1004.2 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 21.13 | 35.710 | 25.02 | 5.20 | 107 | 0.12 | *** | *** |
| 1 | 24 | 20.61 | 35.710 | 25.16 | 5.14 | 104 | 0.11 | *** | *** |
| 1 | 47 | 18.74 | 35.600 | 25.56 | 5.27 | 103 | 0.19 | *** | *** |
| 1 | 70 | 16.84 | 35.520 | 25.97 | 5.24 | 99 | 0.28 | *** | *** |
| 1 | 94 | 15.20 | 35.430 | 26.28 | 4.78 | 87 | 0.62 | *** | *** |
| 1 | 142 | 13.74 | 35.310 | 26.50 | 4.91 | 87 | 0.70 | *** | *** |
| 1 | 189 | 12.97 | 35.240 | 26.60 | 4.97 | 86 | 0.72 | *** | *** |
| 1 | 284 | 11.39 | 35.010 | 26.73 | 4.85 | 81 | 0.96 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 55/61 | 22/ 2/61 | 2025 K | 39 57 S | 149 12 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2468 | 21.1 | 22,2 | 35 | 3 | 16 | 8 | 6 | 7 | 02 | 2 | 02 | 1 | 1005,3 | 5 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 20.79 | 35,720 | 25,12 | 5,19 | 106 | 0,12 | *** | *** |
| 1 | 24 | 20.54 | 35,710 | 25,18 | 4,79* | 97 | 0,18 | *** | *** |
| 1 | 47 | 19.24 | 35,570 | 25,41 | 5,31 | 105 | 0,19 | *** | *** |
| 1 | 70 | 16,86 | 35,470 | 25,93 | 5,35 | 101 | 0,28 | *** | *** |
| 1 | 94 | 15,25 | 35,390 | 26,24 | 4,79 | 88 | 0,59 | *** | *** |
| 1 | 140 | 13,79 | 35,270 | 26,46 | 4,76 | 84 | 0,77 | *** | *** |
| 1 | 186 | 13,05 | 35,220 | 26,57 | 4,95 | 86 | 0,73 | *** | *** |
| 1 | 270 | 11,39 | 34,970 | 26,70 | 4,85 | 81 | 0,92 | *** | *** |

* PROPERTY DOUBTFUL
\+ PROPERTY INTERPOLATED

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 56/61 | 23/ 2/61 | 0130 K | 39 31 S | 148 46 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 914 | 20.6 | 22,2 | 03 | 5 | 16 | * | 0 | 8 | 03 | 2 | 05 | 1 | 1001.4 | 0 | 0 | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 20.81 | 35,670 | 25.07 | 5.20 | 106 | 0.10 | *** | *** |
| 2 | 23 | 20,74 | 35,680 | 25,10 | 5.20 | 106 | 0.11 | *** | *** |
| 2 | 46 | 18,01 | 35,530 | 25,69 | 5.50 | 106 | 0.14 | *** | *** |
| 2 | 68 | 16.60 | 35,510 | 26,02 | 5.17 | 97 | 0.26 | *** | *** |
| 2 | 95 | 15,29 | 35,430 | 26,26 | 4.79 | 88 | 0.52 | *** | *** |
| 2 | 135 | 13,77 | 35,320 | 26,50 | 4.84 | 86 | 0.66 | *** | *** |
| 2 | 190 | 12,78 | 35,210 | 26,62 | 4.85 | 84 | 0,74 | *** | *** |
| 1 | 284 | 10.75 | 34,910 | 26,77 | 4,74 | 78 | 0.97 | *** | *** |
| 1 | 470 | 8.44 | 34,620 | 26,93 | 4.61 | 72 | 1.29 | *** | *** |
| 1 | 657 | 7.18 | 34,510 | 27,03 | 4,39 | 67 | 1.44 | *** | *** |
| 1 | 844 | 6.02 | 34,460 | 27,15 | 4.24 | 62 | 1.60 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 57/61 | 23/ 2/61 | 0300 K | 39 30 S | 148 41 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 146 | 20.6 | 22,2 | 01 | 7 | 16 | * | 0 | 8 | 01 | 3 | 05 | 4 | 1001.3 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 20.64 | 35.660 | 25.11 | 5.20 | 106 | 0.12 | *** | *** |
| 1 | 25 | 20.61 | 35.670 | 25.13 | 5.08 | 103 | 0.13 | *** | *** |
| 1 | 50 | 18.67 | 35.600 | 25.58 | 5.37 | 105 | 0.16 | *** | *** |
| 1 | 75 | 14.78 | 35.400 | 26.35 | 4.75 | 86 | 0.54 | *** | *** |
| 1 | 100 | 13.75 | 35.290 | 26.48 | 4.88 | 86 | 0.68 | *** | *** |
| 1 | 140 | 12.81 | 35.180 | 26.59 | 4.89 | 85 | 0.75 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 58/61 | 23/ 2/61 | 0410 K | 39 28 S | 148 29 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51 | 20.6 | 22.2 | 02 | 4 | 16 | 0 | 1 | 8 | 02 | 3 | 04 | 1 | 1001.3 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.75 | 35.560 | 25.27 | 5.38 | 108 | 0.17 | *** | *** |
| 1 | 25 | 18.31 | 35.600 | 25.67 | 5.29 | 103 | 0.25 | *** | *** |
| 1 | 40 | 16.28 | 35.420 | 26.02 | 4.97 | 93 | 0.50 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 59/61 | 23/ 2/61 | 0625 K | 39 06 S | 148 28 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 82 | 19.4 | 21.1 | 32 | 5 | 16 | 1 | 2 | 8 | 34 | 2 | 02 | 1 | 1003.4 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.95 | 35.520 | 25.19 | 5.32 | 107 | 0.18 | *** | *** |
| 1 | 25 | 17.57 | 35.510 | 25.79 | 5.20 | 100 | 0.23 | *** | *** |
| 1 | 50 | 14.48 | 35.310 | 26.34 | 5.05 | 91 | 0.63 | *** | *** |
| 1 | 75 | 13.48 | 35.240 | 26.50 | 4.91 | 86 | 0.75 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 60/61 | 23/ 2/61 | 1000 K | 38 40 S | 148 19 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 155 | 20.0 | 22,8 | 25 | 4 | 16 | 8 | 8 | 8 | 25 | 2 | 25 | 1 | 1006.0 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.05 | 35.430 | 25.35 | 5.39 | 106 | 0.22 | *** | *** |
| 1 | 25 | 18.90 | 35.410 | 25.38 | 5.48 | 108 | 0.26 | *** | *** |
| 1 | 50 | 17.43 | 35.380 | 25.72 | 5.50 | 105 | 0.30 | *** | *** |
| 1 | 75 | 15.30 | 35.390 | 26.22 | 5.30 | 97 | 0.51 | *** | *** |
| 1 | 100 | 14.10 | 35.270 | 26.39 | 5.05 | 90 | 0.66 | *** | *** |
| 1 | 130 | 14.06 | 35.270 | 26.40 | 5.07 | 90 | 0.64 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 61/61 | 23/ 2/61 | 1135 K | 38 41 S | 148 33 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1554 | 20.6 | 24.4 | 25 | 4 | 16 | 8 | 7 | 8 | 25 | 2 | 25 | 1 | 1005.6 | 0 | 0 | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 20.88 | 35.710 | 25.09 | 5.21 | 106 | 0.20 | *** | *** |
| 2 | 25 | 20.39 | 35.700 | 25.21 | 5.10 | 103 | 0.23 | *** | *** |
| 2 | 50 | 18.27 | 35.570 | 25.66 | 5.48 | 106 | 0.24 | *** | *** |
| 2 | 74 | 15.47 | 35.400 | 26.19 | 4.98 | 91 | 0.47 | *** | *** |
| 2 | 98 | 14.38 | 35.340 | 26.39 | 4.91 | 88 | 0.68 | *** | *** |
| 2 | 146 | 13.65 | 35.270 | 26.49 | 4.82 | 85 | 0.71 | *** | *** |
| 2 | 194 | 12.90 | 35.210 | 26.59 | 4.95 | 86 | 0.81 | *** | *** |
| 1 | 376 | 9.96 | 34.810 | 26.83 | 4.77 | 77 | 1.11 | *** | *** |
| 1 | 561 | 8.25 | 34.620 | 26.96 | 4.73 | 74 | 1.35 | *** | *** |
| 1 | 752 | 6.70 | 34.460 | 27.06 | 4.42 | 66 | 1.62 | *** | *** |
| 1 | 1023 | 4.72 | 34.470 | 27.31 | 4.10 | 58 | 1.85 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 62/61 | 23/ 2/61 | 1330 K | 38 41 S | 148 47 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2560 | 20.0 | 23.9 | 24 | 3 | 16 | 1 | 8 | 8 | 24 | 2 | 26 | 1 | 1005.1 | 0 | 0 | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 21.12 | 35.720 | 25.03 | 4.88 | 100 | 0.16 | *** | *** |
| 2 | 24 | 20.75 | 35.710 | 25.12 | 4.97 | 101 | 0.18 | *** | *** |
| 2 | 48 | 18.81 | 35.690 | 25.62 | 5.45 | 107 | 0.20 | *** | *** |
| 2 | 72 | 16.43 | 35.470 | 26.03 | 3.83* | 72 | 0.31 | *** | *** |
| 2 | 95 | 15.26 | 35.390 | 26.23 | 4.57 | 84 | 0.56 | *** | *** |
| 2 | 143 | 13.78 | 35.280 | 26.47 | 4.85 | 86 | 0.71 | *** | *** |
| 2 | 191 | 12.91 | 35.190 | 26.58 | 4.93 | 86 | 0.74 | *** | *** |
| 1 | 276 | 11.10 | 34.940 | 26.73 | 4.67 | 78 | 0.93 | *** | *** |
| 1 | 434 | 8.77 | 34.620 | 26.88 | 5.03 | 79 | 1.20 | *** | *** |
| 1 | 616 | 7.60 | 34.580 | 27.02 | 4.44 | 68 | 1.47 | *** | *** |
| 1 | 798 | 6.03 | 34.460 | 27.14 | 4.34 | 64 | 1.69 | *** | *** |
| 1 | 982 | 4.97 | 34.430 | 27.25 | 4.10 | 59 | 1.80 | *** | *** |

* PROPERTY DOUBTFUL
\+ PROPERTY INTERPOLATED

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 63/61 | 23/ 2/61 | 1615 K | 38 39 S | 149 15 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2560 | 18.9 | 22.8 | 24 | 2 | 16 | 1 | 6 | 8 | 24 | 2 | 25 | 1 | 1003.8 | 0 | 0 | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 20.77 | 35.690 | 25.10 | 5.33 | 109 | 0.16 | *** | *** |
| 2 | 25 | 20.52 | 35.650 | 25.14 | 5.16 | 105 | 0.14 | *** | *** |
| 2 | 50 | 18.20 | 35.480 | 25.61 | 5.30 | 103 | 0.19 | *** | *** |
| 2 | 74 | 16.24 | 35.440 | 26.05 | 4.79 | 89 | 0.30 | *** | *** |
| 2 | 98 | 14.96 | 35.370 | 26.28 | 5.06 | 92 | 0.52 | *** | *** |
| 2 | 147 | 13.35 | 35.250 | 26.53 | 4.85 | 85 | 0.75 | *** | *** |
| 2 | 196 | 12.60 | 35.200 | 26.65 | 4.79 | 83 | 0.76 | *** | *** |
| 1 | 272 | 10.97 | 34.930 | 26.74 | 4.77 | 79 | 0.91 | *** | *** |
| 1 | 458 | 8.48 | 34.590 | 26.90 | 5.03 | 79 | 1.27 | *** | *** |
| 1 | 642 | 7.17 | 34.510 | 27.03 | 4.54 | 69 | 1.56 | *** | *** |
| 1 | 771 | 6.13 | 34.480 | 27.15 | 4.37 | 65 | 1.66 | *** | *** |
| 1 | 852 | 5.45 | 34.440 | 27.20 | 4.06 | 59 | 1.76 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 64/61 | 23/ 2/61 | 1915 K | 38 39 S | 149 44 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2743 | 18.9 | 21.7 | 24 | 2 | 16 | 1 | 8 | 8 | * | * | 25 | 1 | 1004.6 | 0 | 0 | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 22.00 | 35.710 | 24.78 | 4.97 | 104 | 0.13 | *** | *** |
| 2 | 25 | 21.96 | 35.730 | 24.80 | 4.91 | 102 | 0.17 | *** | *** |
| 2 | 50 | 20.90 | 35.700 | 25.07 | 5.15 | 105 | 0.23 | *** | *** |
| 2 | 75 | 17.57 | 35.550 | 25.82 | 4.88 | 94 | 0.35 | *** | *** |
| 2 | 100 | 16.37 | 35.470 | 26.04 | 4.08 | 76 | 0.58 | *** | *** |
| 2 | 150 | 14.82 | 35.410 | 26.35 | 4.73 | 86 | 0.63 | *** | *** |
| 2 | 200 | 13.71 | 35.270 | 26.47 | 4.31 | 76 | 0.79 | *** | *** |
| 1 | 280 | 12.34 | 35.130 | 26.64 | 4.70 | 81 | 0.81 | *** | *** |
| 1 | 468 | 9.49 | 34.730 | 26.85 | 4.73 | 76 | 1.12 | *** | *** |
| 1 | 653 | 7.76 | 34.580 | 27.00 | 4.39 | 68 | 1.46 | *** | *** |
| 1 | 843 | 6.26 | 34.480 | 27.13 | 4.30 | 64 | 1.63 | *** | *** |
| 1 | 1030 | 4.52 | 34.460 | 27.32 | 4.16 | 59 | 1.75 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 65/61 | 23/ 2/61 | 2145 K | 38 19 S | 149 43 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1097 | 18.9 | 22,2 | 00 | 0 | 16 | * | 0 | 8 | * | * | 25 | 1 | 1004,6 | 0 | 0 | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 22.19 | 35,760 | 24,76 | 5,09 | 107 | 0.22 | *** | *** |
| 2 | 25 | 20.97 | 35,810 | 25,14 | 5,16 | 106 | 0.22 | *** | *** |
| 2 | 50 | 18.62 | 35,600 | 25,60 | 4,30 | 84 | 0,46 | *** | *** |
| 2 | 75 | 17,97 | 35,620 | 25,77 | 4,49 | 87 | 0,51 | *** | *** |
| 2 | 100 | 16.17 | 35,420 | 26,05 | 4,19 | 78 | 0,63 | *** | *** |
| 2 | 150 | 14.42 | 35,310 | 26,36 | 4,55 | 82 | 0,76 | *** | *** |
| 2 | 200 | 14,00 | 35,360 | 26,48 | 4,89 | 87 | 0,72 | *** | *** |
| 1 | 280 | 12,38 | 35,100 | 26,61 | 4,64 | 80 | 0,89 | *** | *** |
| 1 | 468 | 9,97 | 34,800 | 26,82 | 4,61 | 75 | 1,17 | *** | *** |
| 1 | 654 | 8,31 | 34,610 | 26,94 | 4,65 | 72 | 1,41 | *** | *** |
| 1 | 935 | 4,63 | 34,490 | 27,34 | 4,07 | 68 | 1,87 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 66/61 | 23/ 2/61 | 2350 K | 38 06 S | 149 45 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 996 | 18.9 | 21.7 | 14 | 0 | 16 | * | 8 | 7 | * | * | 25 | 1 | 1005.0 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.68 | 35.450 | 25.21 | 5.44 | 108 | 0.16 | *** | *** |
| 1 | 25 | 18.07 | 35.440 | 25.61 | 5.36 | 104 | 0.21 | *** | *** |
| 1 | 50 | 16.16 | 35.430 | 26.06 | 4.58 | 85 | 0.39 | *** | *** |
| 1 | 75 | 14.45 | 35.330 | 26.36 | 4.52 | 81 | 0.61 | *** | *** |
| 1 | 100 | 13.73 | 35.250 | 26.45 | 4.53 | 80 | 0.69 | *** | *** |
| 1 | 150 | 10.90 | 34.950 | 26.77 | 4.74 | 79 | 0.92 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 67/61 | 24/ 2/61 | 0120 K | 37 55 S | 149 43 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | WIRE ANGLES CAST2 | WIRE ANGLES CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 128 | 18.9 | 22.2 | 15 | 3 | 16 | * | 0 | 8 | * | * | 25 | 1 | 1002.6 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.98 | 35.520 | 25.18 | 5.36 | 108 | 0.17 | *** | *** |
| 1 | 25 | 16.91 | 35.520 | 25.95 | 5.06 | 96 | 0.31 | *** | *** |
| 1 | 50 | 15.65 | 35.390 | 26.15 | 4.51 | 83 | 0.56 | *** | *** |
| 1 | 75 | 13.42 | 35.230 | 26.50 | 4.70 | 83 | 0.75 | *** | *** |
| 1 | 100 | 12.94 | 35.210 | 26.59 | 4.94 | 86 | 0.76 | *** | *** |
| 1 | 120 | 12.93 | 35.220 | 26.60 | 4.91 | 85 | 0.76 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 69/61 | 24/ 2/61 | 0445 K | 38 01 S | 148 56 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 113 | 18.3 | 19.4 | 99 | 2 | 16 | 1 | 3 | 7 | * | * | 26 | 1 | 1002.5 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 18.90 | 35.410 | 25.38 | 5.56 | 109 | 0.14 | *** | *** |
| 1 | 25 | 16.67 | 35.380 | 25.90 | 5.60 | 105 | 0.21 | *** | *** |
| 1 | 50 | 14.65 | 35.330 | 26.32 | 4.98 | 90 | 0.50 | *** | *** |
| 1 | 75 | 13.62 | 35.290 | 26.51 | 4.73 | 83 | 0.71 | *** | *** |
| 1 | 110 | 13.58 | 35.270 | 26.50 | 4.67 | 82 | 0.75 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 71/61 | 24/ 2/61 | 0900 K | 38 08 S | 148 00 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | 18.9 | 21.1 | 25 | 3 | 16 | 8 | 1 | 7 | 25 | 2 | 27 | 1 | 1004.0 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.85 | 35.460 | 25.17 | 5.21 | 104 | 0.22 | *** | *** |
| 1 | 25 | 15.56 | 35.380 | 26.16 | 4.95 | 91 | 0.46 | *** | *** |
| 1 | 45 | 15.51 | 35.350 | 26.15 | 4.45 | 82 | 0.49 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 73/61 | 24/ 2/61 | 1430 K | 38 49 S | 147 12 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 16.7 | 20.6 | 25 | 3 | 16 | 8 | 3 | 8 | 24 | 2 | 25 | 1 | 1003.2 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 20.22 | 35.400 | 25.03 | 5.33 | 107 | 0.18 | *** | *** |
| 1 | 10 | 19.28 | 35.400 | 25.27 | 5.45 | 108 | 0.19 | *** | *** |
| 1 | 20 | 17.09 | 35.390 | 25.81 | 5.33 | 101 | 0.25 | *** | *** |
| 1 | 30 | 17.06 | 35.390 | 25.82 | 5.27 | 100 | 0.32 | *** | *** |
| 1 | 45 | 17.05 | 35.390 | 25.82 | 5.21 | 99 | 0.36 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 74/61 | 24/ 2/61 | 1640 K | 39 06 S | 147 14 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | 17.8 | 20,6 | 24 | 3 | 16 | 0 | 8 | 8 | 24 | 2 | 24 | 1 | 1002.5 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.99 | 35.510 | 25.17 | 5.45 | 109 | 0.17 | *** | *** |
| 1 | 10 | 19.94 | 35.500 | 25.18 | 5.48 | 110 | 0.15 | *** | *** |
| 1 | 20 | 17.79 | 35.470 | 25.70 | 5.27 | 101 | 0.21 | *** | *** |
| 1 | 30 | 17.67 | 35.470 | 25.73 | 5.20 | 100 | 0.20 | *** | *** |
| 1 | 50 | 17.60 | 35.470 | 25.75 | 5.27 | 101 | 0.43 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 75/61 | 24/ 2/61 | 1820 K | 39 22 S | 147 12 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 58 | 17.8 | 21.1 | 26 | 4 | 16 | 1 | 5 | 8 | 24 | 2 | 25 | 1 | 1002.0 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 18.95 | 35.520 | 25.45 | 5.63 | 111 | 0.25 | *** | *** |
| 1 | 10 | 18.78 | 35.530 | 25.50 | 5.48 | 107 | 0.24 | *** | *** |
| 1 | 20 | 18.34 | 35.520 | 25.60 | 5.45 | 106 | 0.28 | *** | *** |
| 1 | 30 | 18.08 | 35.510 | 25.66 | 5.30 | 103 | 0.29 | *** | *** |
| 1 | 55 | 17.91 | 35.500 | 25.69 | 5.23 | 101 | 0.31 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 76/61 | 24/ 2/61 | 2020 K | 39 38 S | 147 12 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 17.8 | 21,1 | 26 | 4 | 16 | 8 | 8 | 8 | 26 | 2 | 24 | 1 | 1002,0 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.75 | 35,540 | 25,26 | 5,36 | 107 | 0,18 | *** | *** |
| 1 | 10 | 19.74 | 35,530 | 25,25 | 5,17 | 103 | 0,15 | *** | *** |
| 1 | 20 | 19.71 | 35,530 | 25,26 | 5,33 | 106 | 0,18 | *** | *** |
| 1 | 30 | 19.25 | 35,520 | 25,37 | 5,23 | 104 | 0,20 | *** | *** |
| 1 | 55 | 18.37 | 35,530 | 25,60 | 5,03 | 98 | 0,28 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 77/61 | 24/ 2/61 | 2200 K | 39 54 S | 147 12 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64 | 16.7 | 20.0 | 25 | 5 | 16 | 8 | 6 | 8 | 25 | 2 | 27 | 1 | 1003.3 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.72 | 35.520 | 25.25 | 5.03 | 100 | 0.15 | *** | *** |
| 1 | 10 | 19.68 | 35.510 | 25.25 | 5.34 | 107 | 0.14 | *** | *** |
| 1 | 20 | 19.57 | 35.510 | 25.28 | 5.39 | 107 | 0.16 | *** | *** |
| 1 | 30 | 18.80 | 35.500 | 25.47 | 5.15 | 101 | 0.20 | *** | *** |
| 1 | 60 | 17.49 | 35.430 | 25.74 | 4.48 | 86 | 0.30 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 78/61 | 24/ 2/61 | 2335 K | 40 10 S | 147 12 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 16.7 | 19.4 | 27 | 5 | 16 | 8 | 4 | 8 | 27 | 2 | 29 | 1 | 1002.7 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.66 | 35.460 | 25.22 | 5.32 | 106 | 0.15 | *** | *** |
| 1 | 10 | 19.61 | 35.460 | 25.23 | 5.35 | 107 | 0.13 | *** | *** |
| 1 | 20 | 18.59 | 35.440 | 25.48 | 5.44 | 106 | 0.17 | *** | *** |
| 1 | 30 | 18.25 | 35.440 | 25.57 | 4.91 | 95 | 0.21 | *** | *** |
| 1 | 50 | 18.05 | 35.430 | 25.61 | 4.82 | 93 | 0.29 | *** | *** |
| 1 | 60 | 17.97 | 35.430 | 25.63 | 4.79 | 92 | 0.30 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 79/61 | 25/ 2/61 | 0120 K | 40 25 S | 147 12 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64 | 16.7 | 19.4 | 27 | 4 | 16 | 8 | 6 | 8 | 26 | 3 | 25 | 1 | 1001.4 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.81 | 35.440 | 25.17 | 5.29 | 106 | 0.09 | *** | *** |
| 1 | 10 | 19.77 | 35.440 | 25.18 | 5.29 | 106 | 0.11 | *** | *** |
| 1 | 20 | 19.63 | 35.450 | 25.22 | 5.27 | 105 | 0.12 | *** | *** |
| 1 | 30 | 18.35 | 35.430 | 25.53 | 5.27 | 102 | 0.19 | *** | *** |
| 1 | 60 | 17.45 | 35.400 | 25.73 | 4.58 | 87 | 0.25 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 80/61 | 25/ 2/61 | 0307 K | 40 42 S | 147 12 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 58 | 16.7 | 18.9 | 25 | 6 | 16 | 8 | 6 | 7 | 25 | 4 | 24 | 4 | 1002.0 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.80 | 35.540 | 25.25 | 5.29 | 106 | 0.14 | *** | *** |
| 1 | 10 | 19.72 | 35.530 | 25.26 | 5.40 | 108 | 0.10 | *** | *** |
| 1 | 20 | 19.73 | 35.510 | 25.24 | 5.41 | 108 | 0.11 | *** | *** |
| 1 | 30 | 19.07 | 35.490 | 25.40 | 5.53 | 109 | 0.12 | *** | *** |
| 1 | 55 | 17.24 | 35.400 | 25.78 | 4.70 | 89 | 0.32 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 81/61 | 25/ 2/61 | 0500 K | 40 48 S | 146 55 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66 | 16.1 | 18,3 | 28 | 4 | 16 | 8 | 5 | 7 | 25 | 2 | 29 | 1 | 1004.0 | 2 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19,70 | 35,460 | 25,21 | 5,34 | 107 | 0,15 | *** | *** |
| 1 | 10 | 19,63 | 35,480 | 25,24 | 5,35 | 107 | 0,12 | *** | *** |
| 1 | 20 | 19,64 | 35,480 | 25,24 | 5,32 | 106 | 0,17 | *** | *** |
| 1 | 30 | 19,02 | 35,460 | 25,38 | 5,47 | 108 | 0,16 | *** | *** |
| 1 | 50 | 18,08 | 35,430 | 25,60 | 5,06 | 98 | 0,24 | *** | *** |
| 1 | 64 | 15,53 | 35,380 | 26,16 | 4,91 | 90 | 0,42 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 82/61 | 25/ 2/61 | 0720 K | 40 54 S | 146 28 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 62 | 16.7 | 18.9 | 28 | 4 | 16 | 8 | 2 | 8 | 28 | 2 | 28 | 1 | 1002.1 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.68 | 35.500 | 25.25 | 5.35 | 107 | 0.16 | *** | *** |
| 1 | 10 | 19.57 | 35.520 | 25.29 | 5.31 | 106 | 0.12 | *** | *** |
| 1 | 20 | 19.56 | 35.510 | 25.28 | 5.34 | 106 | 0.14 | *** | *** |
| 1 | 30 | 19.01 | 35.490 | 25.41 | 5.44 | 107 | 0.23 | *** | *** |
| 1 | 50 | 18.70 | 35.480 | 25.48 | 5.37 | 105 | 0.24 | *** | *** |
| 1 | 60 | 17.99 | 35.450 | 25.64 | 4.99 | 96 | 0.31 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 83/61 | 25/ 2/61 | 0935 K | 40 35 S | 146 30 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76 | 17.2 | 20.0 | 26 | 4 | 16 | 8 | 3 | 8 | 26 | 2 | 27 | 4 | 1002.8 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.70 | 35.490 | 25.23 | 5.44 | 109 | 0.15 | *** | *** |
| 1 | 10 | 19.49 | 35.490 | 25.29 | 5.37 | 107 | 0.10 | *** | *** |
| 1 | 20 | 19.62 | 35.480 | 25.25 | 5.41 | 108 | 0.12 | *** | *** |
| 1 | 30 | 19.54 | 35.460 | 25.25 | 5.38 | 107 | 0.12 | *** | *** |
| 1 | 50 | 16.49 | 35.370 | 25.94 | 5.20 | 97 | 0.37 | *** | *** |
| 1 | 75 | 14.22 | 35.400 | 26.47 | 4.85 | 87 | 0.48 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 84/61 | 25/ 2/61 | 1155 K | 40 15 S | 146 28 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 77 | 16.1 | 18,3 | 26 | 6 | 16 | 8 | 4 | 8 | 26 | 2 | 25 | 4 | 1003,5 | 2 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19,86 | 35,520 | 25,21 | 5,21 | 104 | 0,10 | *** | *** |
| 1 | 10 | 19,84 | 35,550 | 25,24 | 5,32 | 106 | 0,12 | *** | *** |
| 1 | 20 | 19,83 | 35,530 | 25,23 | 5,32 | 106 | 0,12 | *** | *** |
| 1 | 30 | 19,58 | 35,520 | 25,29 | 5,46 | 109 | 0,11 | *** | *** |
| 1 | 50 | 13,50 | 35,410 | 26,63 | 5,79 | 102 | 0,25 | *** | *** |
| 1 | 75 | 13,12 | 35,390 | 26,69 | 4,82 | 84 | 0,43 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 85/61 | 25/ 2/61 | 1400 K | 39 55 S | 146 29 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76 | 17.2 | 20.0 | 25 | 5 | 16 | 8 | 4 | 8 | 25 | 3 | 24 | 1 | 1005.1 | 5 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.79 | 35.500 | 25.22 | 5.38 | 108 | 0.11 | *** | *** |
| 1 | 10 | 19.71 | 35.500 | 25.24 | 5.44 | 109 | 0.14 | *** | *** |
| 1 | 20 | 19.70 | 35.500 | 25.24 | 5.41 | 108 | 0.11 | *** | *** |
| 1 | 30 | 19.28 | 35.500 | 25.35 | 5.47 | 108 | 0.12 | *** | *** |
| 1 | 50 | 13.41 | 35.350 | 26.60 | 6.01 | 106 | 0.28 | *** | *** |
| 1 | 75 | 12.94 | 35.390 | 26.73 | 4.90 | 85 | 0.47 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 86/61 | 25/ 2/61 | 1622 K | 39 34 S | 146 30 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71 | 16.7 | 19.4 | 25 | 5 | 16 | 8 | 6 | 8 | 25 | 3 | 24 | 4 | 1006.6 | 5 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.70 | 35.520 | 25.26 | 5.47 | 109 | 0.16 | *** | *** |
| 1 | 10 | 19.65 | 35.490 | 25.25 | 5.38 | 107 | 0.14 | *** | *** |
| 1 | 20 | 19.65 | 35.510 | 25.26 | 5.38 | 107 | 0.14 | *** | *** |
| 1 | 30 | 18.34 | 35.470 | 25.56 | 5.39 | 105 | 0.25 | *** | *** |
| 1 | 40 | 16.44 | 35.380 | 25.96 | 5.26 | 98 | 0.25 | *** | *** |
| 1 | 50 | 15.21 | 35.370 | 26.23 | 5.76 | 105 | 0.26 | *** | *** |
| 1 | 70 | 13.76 | 35.380 | 26.55 | 4.59 | 81 | 0.49 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 87/61 | 25/ 2/61 | 1900 K | 39 11 S | 146 29 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66 | 15.6 | 18.3 | 25 | 5 | 16 | 9 | 3 | 7 | 25 | 2 | 25 | 1 | 1007.0 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.07 | 35.400 | 25.33 | 5.46 | 108 | 0.09 | *** | *** |
| 1 | 10 | 18.93 | 35.410 | 25.37 | 5.49 | 108 | 0.11 | *** | *** |
| 1 | 20 | 18.89 | 35.420 | 25.39 | 5.49 | 108 | 0.10 | *** | *** |
| 1 | 30 | 18.28 | 35.410 | 25.53 | 5.35 | 104 | 0.16 | *** | *** |
| 1 | 40 | 17.81 | 35.420 | 25.66 | 5.28 | 102 | 0.20 | *** | *** |
| 1 | 50 | 16.74 | 35.400 | 25.90 | 5.06 | 95 | 0.28 | *** | *** |
| 1 | 65 | 15.26 | 35.390 | 26.23 | 4.64 | 85 | 0.39 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| 6 2/ 88/61 | 25/ 2/61 | 2205 K | 39 00 S | 145 58 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 61 | 16.1 | 18.9 | 22 | 4 | 16 | 8 | 5 | 8 | 22 | 3 | 21 | 1 | 1010.6 | 5 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.71 | 35.410 | 25.17 | 5.35 | 107 | 0.09 | *** | *** |
| 1 | 10 | 19.64 | 35.410 | 25.19 | 5.35 | 107 | 0.08 | *** | *** |
| 1 | 20 | 19.65 | 35.410 | 25.18 | 5.29 | 105 | 0.10 | *** | *** |
| 1 | 30 | 19.54 | 35.420 | 25.22 | 5.38 | 107 | 0.10 | *** | *** |
| 1 | 40 | 17.67 | 35.350 | 25.64 | 5.53 | 106 | 0.20 | *** | *** |
| 1 | 50 | 16.44 | 35.330 | 25.92 | 5.34 | 100 | 0.22 | *** | *** |
| 1 | 60 | 14.34 | 35.300 | 26.37 | 5.15 | 92 | 0.30 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 89/61 | 26/ 2/61 | 0100 K | 38 47 S | 145 36 E |

| SONIC DEPTH | AIR TEMP, WEI | AIR TEMP, DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 61 | 16.1 | 18,9 | 25 | 5 | 16 | 8 | 5 | 8 | 26 | 4 | 25 | 1 | 1009.7 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19,29 | 35,360 | 25,24 | 5,24 | 104 | 0,11 | *** | *** |
| 1 | 10 | 19,24 | 35,370 | 25,26 | 5,27 | 104 | 0,14 | *** | *** |
| 1 | 20 | 19,12 | 35,350 | 25,28 | 5,24 | 103 | 0,12 | *** | *** |
| 1 | 30 | 18,03 | 35,340 | 25,54 | 5,29 | 102 | 0,16 | *** | *** |
| 1 | 40 | 16,18 | 35,300 | 25,95 | 5,31 | 99 | 0,21 | *** | *** |
| 1 | 50 | 14,25 | 35,270 | 26,36 | 4,24 | 76 | 0,31 | *** | *** |
| 1 | 60 | 14,04 | 35,260 | 26,40 | 4,63 | 82 | 0,34 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 90/61 | 26/ 2/61 | 0300 K | 39 05 S | 145 36 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71 | 16.1 | 18.9 | 25 | 6 | 16 | 8 | 4 | 8 | 25 | 4 | 25 | 4 | 1009.9 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.59 | 35.490 | 25.26 | 5.21 | 104 | 0.09 | *** | *** |
| 1 | 10 | 19.56 | 35.490 | 25.27 | 5.12 | 102 | 0.12 | *** | *** |
| 1 | 20 | 19.57 | 35.490 | 25.27 | 5.02 | 100 | 0.11 | *** | *** |
| 1 | 30 | 19.57 | 35.500 | 25.27 | 5.15 | 103 | 0.12 | *** | *** |
| 1 | 50 | 13.50 | 35.350 | 26.58 | 4.82 | 85 | 0.40 | *** | *** |
| 1 | 70 | 13.49 | 35.350 | 26.58 | 4.53 | 80 | 0.41 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 91/61 | 26/ 2/61 | 0445 K | 39 26 S | 145 33 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 75 | 16.7 | 18,9 | 23 | 5 | 16 | 9 | 2 | 7 | 23 | 2 | 23 | 1 | 1010.7 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.52 | 35,500 | 25,29 | 5.38 | 107 | 0.09 | *** | *** |
| 1 | 10 | 19.45 | 35,500 | 25,31 | 5,35 | 106 | 0,12 | *** | *** |
| 1 | 20 | 19.46 | 35,500 | 25,30 | 5,38 | 107 | 0,12 | *** | *** |
| 1 | 30 | 19.46 | 35,500 | 25,30 | 5,40 | 107 | 0,13 | *** | *** |
| 1 | 40 | 18,32 | 35,490 | 25,59 | 5,58 | 108 | 0,15 | *** | *** |
| 1 | 50 | 13.29 | 35,350 | 26,62 | 5,03 | 88 | 0,44 | *** | *** |
| 1 | 60 | 13.34 | 35,350 | 26,61 | 5,02 | 88 | 0,43 | *** | *** |
| 1 | 70 | 13.35 | 35,350 | 26,61 | 4,97 | 87 | 0.45 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 27 92/61 | 26/ 2/61 | 0725 K | 39 46 S | 145 33 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76 | 15.6 | 17.8 | 21 | 5 | 16 | 9 | 5 | 8 | 21 | 2 | 21 | 4 | 1012.3 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.26 | 35.530 | 25.38 | 5.40 | 107 | 0.12 | *** | *** |
| 1 | 10 | 19.26 | 35.510 | 25.36 | 5.41 | 107 | 0.13 | *** | *** |
| 1 | 20 | 19.28 | 35.520 | 25.37 | 5.40 | 107 | 0.15 | *** | *** |
| 1 | 30 | 19.28 | 35.520 | 25.36 | 5.38 | 107 | 0.15 | *** | *** |
| 1 | 40 | 19.23 | 35.520 | 25.38 | 5.33 | 105 | 0.19 | *** | *** |
| 1 | 45 | 15.43 | 35.350 | 26.16 | 5.77 | 106 | 0.23 | *** | *** |
| 1 | 50 | 13.64 | 35.260 | 26.48 | 5.34 | 94 | 0.41 | *** | *** |
| 1 | 60 | 13.23 | 35.230 | 26.54 | 4.96 | 87 | 0.43 | *** | *** |
| 1 | 75 | 12.78 | 35.230 | 26.63 | 4.63 | 80 | 0.58 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 93/61 | 26/ 2/61 | 0930 K | 40 03 S | 145 30 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71 | 15.6 | 20,0 | 21 | 5 | 16 | 8 | 1 | 8 | 21 | 2 | 21 | 4 | 1013.3 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.34 | 35.570 | 25.39 | 5.17 | 103 | 0.14 | *** | *** |
| 1 | 10 | 19.31 | 35.400 | 25.27 | 5.34 | 106 | 0.12 | *** | *** |
| 1 | 20 | 19.31 | 35.540 | 25.37 | 5.38 | 107 | 0.15 | *** | *** |
| 1 | 30 | 19.31 | 35.530 | 25.36 | 5.33 | 106 | 0.16 | *** | *** |
| 1 | 40 | 19.16 | 35.540 | 25.41 | 5.44 | 107 | 0.20 | *** | *** |
| 1 | 50 | 14.95 | 35.340 | 26.26 | 5.41 | 98 | 0.32 | *** | *** |
| 1 | 60 | 14.21 | 35.310 | 26.40 | 5.18 | 93 | 0.35 | *** | *** |
| 1 | 70 | 14.19 | 35.310 | 26.40 | 5.18 | 93 | 0.39 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 94/61 | 26/ 2/61 | 1240 K | 40 28 S | 145 29 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51 | 17.2 | 21.1 | 22 | 4 | 16 | 8 | 1 | 8 | 22 | 2 | 23 | 1 | 1013.0 | 5 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.41 | 35.580 | 25.38 | 5.34 | 106 | 0.16 | *** | *** |
| 1 | 10 | 19.41 | 35.610 | 25.40 | 5.37 | 107 | 0.14 | *** | *** |
| 1 | 20 | 19.34 | 35.610 | 25.42 | 5.40 | 107 | 0.15 | *** | *** |
| 1 | 30 | 19.32 | 35.620 | 25.43 | 5.38 | 107 | 0.19 | *** | *** |
| 1 | 40 | 17.45 | 35.510 | 25.82 | 5.40 | 103 | 0.21 | *** | *** |
| 1 | 50 | 17.27 | 35.520 | 25.87 | 5.36 | 102 | 0.28 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 95/61 | 26/ 2/61 | 1540 K | 40 15 S | 145 07 E |

| SONIC DEPTH | AIR TEMP. WEI | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51 | 15.6 | 17,2 | 23 | 6 | 16 | 8 | 1 | 8 | 23 | 3 | 23 | 1 | 1011,9 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19,20 | 35,390 | 25,29 | 5,30 | 105 | 0,20 | *** | *** |
| 1 | 10 | 19,14 | 35,390 | 25,30 | 5,34 | 105 | 0,19 | *** | *** |
| 1 | 20 | 19,14 | 35,420 | 25,32 | 5,31 | 105 | 0,17 | *** | *** |
| 1 | 30 | 19,13 | 35,420 | 25,33 | 5,18 | 102 | 0,19 | *** | *** |
| 1 | 40 | 19,13 | 35,410 | 25,32 | 5,30 | 105 | 0,20 | *** | *** |
| 1 | 50 | 19,11 | 35,410 | 25,32 | 5,28 | 104 | 0,24 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 96/61 | 26/ 2/61 | 1815 K | 40 12 S | 144 42 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66 | 13.3 | 16.1 | 20 | 5 | 16 | 8 | 6 | 8 | 22 | 4 | 22 | 4 | 1015.3 | 10 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 17.46 | 35.260 | 25.62 | 5.17 | 99 | 0.19 | *** | *** |
| 1 | 10 | 17.45 | 35.260 | 25.62 | 5.11 | 98 | 0.20 | *** | *** |
| 1 | 20 | 17.46 | 35.260 | 25.62 | 5.31 | 101 | 0.21 | *** | *** |
| 1 | 30 | 17.46 | 35.250 | 25.61 | 5.11 | 98 | 0.24 | *** | *** |
| 1 | 40 | 17.42 | 35.240 | 25.62 | 5.25 | 100 | 0.25 | *** | *** |
| 1 | 50 | 17.41 | 35.240 | 25.62 | 5.27 | 100 | 0.28 | *** | *** |
| 1 | 65 | 17.41 | 35.260 | 25.63 | 5.31 | 101 | 0.29 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 97/61 | 26/ 2/61 | 2000 K | 40 00 S | 144 33 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 13.3 | 16,1 | 22 | 4 | 16 | * | 8 | 7 | 22 | 3 | 23 | 1 | 1016,0 | 10 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 18.02 | 35,330 | 25,54 | 5,47 | 106 | 0,19 | *** | *** |
| 1 | 10 | 17,96 | 35,340 | 25,56 | 5,50 | 106 | 0,22 | *** | *** |
| 1 | 20 | 17,97 | 35,330 | 25,55 | 5,43 | 105 | 0,24 | *** | *** |
| 1 | 30 | 17,96 | 35,310 | 25,54 | 5,46 | 105 | 0,23 | *** | *** |
| 1 | 40 | 17,98 | 35,300 | 25,52 | 5,46 | 105 | 0,24 | *** | *** |
| 1 | 45 | 17,98 | 35,290 | 25,52 | 5,43 | 105 | 0,24 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 98/61 | 26/ 2/61 | 2135 K | 39 45 S | 144 22 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42 | 13.3 | 16.1 | 17 | 4 | 16 | * | 8 | 8 | 17 | 3 | 18 | 1 | 1016.6 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 18.06 | 35.300 | 25.51 | 5.52 | 107 | 0.21 | *** | *** |
| 1 | 10 | 18.01 | 35.320 | 25.53 | 5.52 | 107 | 0.22 | *** | *** |
| 1 | 20 | 18.01 | 35.310 | 25.53 | 5.47 | 106 | 0.20 | *** | *** |
| 1 | 30 | 18.01 | 35.270 | 25.49 | 5.50 | 106 | 0.22 | *** | *** |
| 1 | 40 | 18.01 | 35.300 | 25.52 | 5.46 | 105 | 0.24 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 99/61 | 26/ 2/61 | 2320 K | 39 29 S | 144 10 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76 | 12.8 | 15.6 | 18 | 4 | 16 | * | 8 | 7 | 18 | 3 | 17 | 1 | 1016.6 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 17.90 | 35.310 | 25.55 | 5.46 | 105 | 0.20 | *** | *** |
| 1 | 10 | 17.87 | 35.330 | 25.58 | 5.54 | 107 | 0.26 | *** | *** |
| 1 | 20 | 17.68 | 35.320 | 25.61 | 5.55 | 106 | 0.25 | *** | *** |
| 1 | 30 | 17.15 | 35.290 | 25.72 | 5.40 | 102 | 0.27 | *** | *** |
| 1 | 40 | 15.97 | 35.260 | 25.97 | 5.15 | 95 | 0.31 | *** | *** |
| 1 | 50 | 14.53 | 35.220 | 26.26 | 4.86 | 87 | 0.40 | *** | *** |
| 1 | 60 | 14.02 | 35.210 | 26.36 | 4.56 | 81 | 0.49 | *** | *** |
| 1 | 75 | 13.93 | 35.220 | 26.39 | 5.11 | 91 | 0.48 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 100/61 | 27/ 2/61 | 0120 K | 39 08 S | 143 57 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 86 | 13.9 | 17,2 | 17 | 4 | 16 | 9 | 8 | 8 | 17 | 2 | 17 | 1 | 1015,4 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19,41 | 35,480 | 25,30 | 5,33 | 106 | 0,05 | *** | *** |
| 1 | 10 | 19,35 | 35,510 | 25,34 | 5,11 | 101 | 0,06 | *** | *** |
| 1 | 20 | 19,37 | 35,470 | 25,30 | 5,15 | 102 | 0,08 | *** | *** |
| 1 | 30 | 17,16 | 35,320 | 25,74 | 5,49 | 104 | 0,12 | *** | *** |
| 1 | 40 | 14,34 | 35,230 | 26,31 | 5,27 | 94 | 0,28 | *** | *** |
| 1 | 50 | 14,12 | 35,230 | 26,36 | 4,99 | 89 | 0,31 | *** | *** |
| 1 | 60 | 14,13 | 35,260 | 26,38 | 4,93 | 88 | 0,30 | *** | *** |
| 1 | 70 | 14,13 | 35,230 | 26,36 | 4,98 | 89 | 0,29 | *** | *** |
| 1 | 85 | 14,10 | 35,230 | 26,36 | 5,08 | 91 | 0,30 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 101/61 | 27/ 2/61 | 0315 K | 38 54 S | 143 44 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 13.9 | 17.2 | 18 | 4 | 16 | 9 | 8 | 8 | 17 | 2 | 20 | 1 | 1015.4 | 7 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10 | 18.23 | 35.390 | 25.53 | 5.39 | 105 | 0.08 | *** | *** |
| 1 | 20 | 16.63 | 35.260 | 25.82 | 5.65 | 106 | 0.11 | *** | *** |
| 1 | 30 | 15.58 | 35.250 | 26.05 | 5.54 | 102 | 0.20 | *** | *** |
| 1 | 40 | 15.45 | 35.240 | 26.07 | 5.57 | 102 | 0.17 | *** | *** |
| 1 | 50 | 14.95 | 35.210 | 26.16 | 5.37 | 97 | 0.30 | *** | *** |
| 1 | 60 | 14.95 | 35.230 | 26.18 | 5.37 | 97 | 0.29 | *** | *** |
| 1 | 70 | 14.92 | 35.230 | 26.18 | 5.33 | 97 | 0.30 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 102/61 | 27/ 2/61 | 0535 K | 39 08 S | 143 32 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 93 | 12.8 | 16.1 | 18 | 4 | 16 | 8 | 7 | 8 | 22 | 3 | 22 | 1 | 1017.2 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.16 | 35.460 | 25.35 | 5.36 | 106 | 0.05 | *** | *** |
| 1 | 10 | 19.08 | 35.470 | 25.38 | 5.38 | 106 | 0.04 | *** | *** |
| 1 | 20 | 19.09 | 35.470 | 25.38 | 5.36 | 106 | 0.04 | *** | *** |
| 1 | 30 | 17.17 | 35.350 | 25.76 | 5.64 | 107 | 0.09 | *** | *** |
| 1 | 40 | 14.83 | 35.220 | 26.20 | 5.58 | 101 | 0.21 | *** | *** |
| 1 | 50 | 13.72 | 35.210 | 26.43 | 5.11 | 90 | 0.35 | *** | *** |
| 1 | 60 | 13.38 | 35.200 | 26.49 | 4.99 | 88 | 0.46 | *** | *** |
| 1 | 70 | 13.37 | 35.210 | 26.50 | 4.99 | 88 | 0.39 | *** | *** |
| 1 | 80 | 13.24 | 35.210 | 26.52 | 4.99 | 87 | 0.48 | *** | *** |
| 1 | 90 | 13.14 | 35.200 | 26.54 | 5.00 | 87 | 0.47 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 103/61 | 27/ 2/61 | 0800 K | 39 25 S | 143 19 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 103 | 14.4 | 17.2 | 18 | 5 | 16 | 8 | 7 | 8 | 20 | 3 | 20 | 1 | 1017.8 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 18.76 | 35.400 | 25.41 | 5.18 | 101 | 0.05 | *** | *** |
| 1 | 10 | 18.73 | 35.400 | 25.41 | 5.31 | 104 | 0.04 | *** | *** |
| 1 | 20 | 18.73 | 35.420 | 25.43 | 5.33 | 104 | 0.03 | *** | *** |
| 1 | 30 | 18.73 | 35.400 | 25.41 | 5.31 | 104 | 0.05 | *** | *** |
| 1 | 40 | 17.94 | 35.350 | 25.57 | 5.41 | 104 | 0.09 | *** | *** |
| 1 | 50 | 14.48 | 35.220 | 26.27 | 5.88 | 106 | 0.19 | *** | *** |
| 1 | 60 | 12.95 | 35.160 | 26.54 | 5.65 | 98 | 0.38 | *** | *** |
| 1 | 75 | 12.29 | 35.140 | 26.66 | 5.43 | 93 | 0.48 | *** | *** |
| 1 | 100 | 12.25 | 35.140 | 26.67 | 5.37 | 92 | 0.50 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 104/61 | 27/ 2/61 | 1001 K | 39 43 S | 143 03 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 165 | 15.0 | 17.2 | 18 | 5 | 16 | 8 | 5 | 8 | 20 | 3 | 20 | 1 | 1017.3 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 18.58 | 35.400 | 25.45 | 5.31 | 104 | 0.05 | *** | *** |
| 1 | 10 | 18.55 | 35.400 | 25.46 | 5.17 | 101 | 0.09 | *** | *** |
| 1 | 20 | 18.56 | 35.390 | 25.45 | 5.26 | 103 | 0.12 | *** | *** |
| 1 | 30 | 18.54 | 35.390 | 25.45 | 5.03 | 98 | 0.05 | *** | *** |
| 1 | 40 | 15.55 | 35.250 | 26.06 | 5.69 | 105 | 0.15 | *** | *** |
| 1 | 50 | 14.43 | 35.190 | 26.26 | 5.65 | 101 | 0.17 | *** | *** |
| 1 | 60 | 14.16 | 35.180 | 26.31 | 5.79 | 103 | 0.19 | *** | *** |
| 1 | 75 | 12.54 | 35.150 | 26.62 | 5.60 | 96 | 0.41 | *** | *** |
| 1 | 100 | 12.40 | 35.140 | 26.64 | 5.59 | 96 | 0.40 | *** | *** |
| 1 | 150 | 12.27 | 35.160 | 26.68 | 5.37 | 92 | 0.48 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 105/61 | 27/ 2/61 | 1130 K | 39 46 S | 142 56 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1426 | 15.0 | 15,6 | 18 | 5 | 16 | 8 | 5 | 8 | 20 | 3 | 20 | 1 | 1017.3 | 0 | 0 | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 18,30 | 35,370 | 25,50 | 5,29 | 103 | 0,15 | *** | *** |
| 2 | 25 | 18,28 | 35,370 | 25,50 | 5,29 | 103 | 0,10 | *** | *** |
| 2 | 50 | 14,34 | 35,140 | 26,24 | 6,08 | 109 | 0,27 | *** | *** |
| 2 | 74 | 13,08 | 35,090 | 26,47 | 5,97 | 104 | 0,31 | *** | *** |
| 2 | 98 | 12,27 | 35,090 | 26,62 | 5,52 | 95 | 0,48 | *** | *** |
| 2 | 147 | 12,20 | 35,140 | 26,68 | 5,40 | 92 | 0,49 | *** | *** |
| 2 | 195 | 12,21 | 35,160 | 26,69 | 5,44 | 93 | 0,50 | *** | *** |
| 1 | 292 | 11,77 | 35,100 | 26,73 | 5,55 | 94 | 0,49 | *** | *** |
| 1 | 486 | 9,08 | 34,690 | 26,88 | 5,72 | 91 | 0,89 | *** | *** |
| 1 | 649 | 8,32 | 34,580 | 26,92 | 5,58 | 87 | 1,13 | *** | *** |
| 1 | 771 | 7,38 | 34,450 | 26,95 | 4,66 | 71 | 1,41 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 108/61 | 28/ 2/61 | 0945 K | 39 52 S | 137 26 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5303 | 16.7 | 17.8 | 14 | 4 | 16 | 8 | 8 | 7 | 13 | 3 | 13 | 4 | 1018.6 | 35 | 30 | 30 |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 17.97 | 35.300 | 25.53 | 4.86 | 94 | 0.18 | *** | 0.0 |
| 1 | 21 | 17.94 | 35.310 | 25.54 | 5.03 | 97 | 0.17 | *** | 0.0 |
| 1 | 42 | 17.96 | 35.320 | 25.55 | 4.73 | 91 | 0.20 | *** | 0.4 |
| 1 | 64 | 16.62 | 35.280 | 25.84 | 5.71 | 107 | 0.23 | *** | 0.1 |
| 1 | 85 | 14.65 | 35.260 | 26.27 | 5.58 | 101 | 0.23 | *** | 0.2 |
| 1 | 127 | 13.23 | 35.250 | 26.56 | 5.54 | 97 | 0.25 | *** | 0.3 |
| 1 | 161 | 12.74 | 35.250 | 26.66 | 4.87 | 84 | 0.27 | *** | 0.8 |
| 1 | 230 | 12.45 | 35.230 | 26.70 | 4.54 | 78 | 0.42 | *** | 1.2 |
| 1 | 411 | 11.25 | 35.030 | 26.77 | 4.15 | 69 | 0.45 | *** | 13.0 |
| 1 | 598 | 7.62 | 34.560 | 27.01 | 4.14 | 63 | 0.62 | *** | 24.8 |
| 2 | 815 | 4.79 | 34.430 | 27.27 | 4.34 | 62 | 1.29 | *** | 35.2 |
| 2 | 996 | 3.88 | 34.440 | 27.38 | 4.12 | 57 | 1.73 | *** | 31.1 |
| 2 | 1176 | 3.24 | 34.490 | 27.48 | 3.95 | 54 | 1.79 | *** | 21.1 |
| 2 | 1358 | 2.84 | 34.540 | 27.55 | 3.76 | 51 | 1.85 | *** | 32.0 |
| 2 | 1810 | 2.38 | 34.690 | 27.71 | 3.82 | 51 | 1.93 | *** | 39.4 |
| 2 | 2261 | 2.11 | 34.740 | 27.78 | 3.92 | 52 | 1.95 | *** | 46.6 |
| 3 | 2846 | 1.77 | 34.740 | 27.80 | 4.09 | 54 | 1.86 | *** | 17.5 |
| 3 | 3275 | 1.55 | 34.740 | 27.82 | 4.24 | 55 | 1.75 | *** | 32.0 |
| 3 | 3700 | 1.36 | 34.740 | 27.83 | 4.33 | 56 | 1.69 | *** | 38.3 |
| 3 | 4156 | 1.21 | 34.730 | 27.84 | 4.39 | 57 | 1.66 | *** | 39.2 |
| 3 | 4610 | 0.94 | 34.720 | 27.85 | 4.50 | 58 | 1.66 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 110/61 | 1/ 3/61 | 0030 J | 37 33 S | 137 53 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4755 | 17.2 | 19.4 | 13 | 4 | 16 | 8 | 5 | 8 | 13 | 3 | 13 | 4 | 1015.2 | 5 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.32 | 35.420 | 25.28 | *** | *** | 0.22 | *** | *** |
| 1 | 23 | 19.32 | 35.420 | 25.28 | 5.11 | 101 | 0.21 | *** | *** |
| 1 | 47 | 17.67 | 35.300 | 25.60 | 5.69 | 109 | 0.23 | *** | *** |
| 1 | 70 | 13.84 | 35.160 | 26.36 | 6.17 | 109 | 0.26 | *** | *** |
| 1 | 92 | 12.99 | 35.160 | 26.54 | 6.06 | 105 | 0.50 | *** | *** |
| 1 | 138 | 12.23 | 35.150 | 26.68 | 5.58 | 95 | 0.51 | *** | *** |
| 1 | 180 | 12.11 | 35.150 | 26.70 | 5.57 | 95 | 0.55 | *** | *** |
| 1 | 262 | 11.50 | 35.090 | 26.77 | 5.51 | 93 | 0.60 | *** | *** |
| 1 | 452 | 9.39 | 34.770 | 26.89 | 5.50 | 88 | 1.02 | *** | *** |
| 1 | 654 | 7.77 | 34.590 | 27.01 | 5.19 | 80 | 1.16 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 111/61 | 1/ 3/61 | 0350 J | 37 04 S | 137 58 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 183 | 17.8 | 19.4 | 13 | 4 | 16 | 8 | 6 | 8 | 13 | 3 | 13 | 4 | 1013.5 | 15 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.44 | 35.570 | 25.36 | 5.22 | 104 | 0.20 | *** | *** |
| 1 | 25 | 19.30 | 35.570 | 25.40 | 5.17 | 102 | 0.21 | *** | *** |
| 1 | 50 | 15.03 | 35.250 | 26.18 | 5.87 | 107 | 0.32 | *** | *** |
| 1 | 75 | 13.88 | 35.350 | 26.50 | 5.55 | 99 | 0.38 | *** | *** |
| 1 | 100 | 13.39 | 35.330 | 26.59 | 5.29 | 93 | 0.43 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 112/61 | 1/ 3/61 | 0710 J | 36 34 S | 138 03 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64 | 17.8 | 20.0 | 15 | 5 | 16 | 8 | 5 | 8 | 15 | 2 | 15 | 4 | 1013.2 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 20.04 | 35.760 | 25.33 | 5.24 | 105 | 0.14 | *** | *** |
| 1 | 10 | 19.97 | 35.750 | 25.36 | 5.00 | 100 | 0.15 | *** | *** |
| 1 | 20 | 19.97 | 35.740 | 25.35 | 5.02 | 101 | 0.14 | *** | *** |
| 1 | 30 | 19.99 | 35.750 | 25.36 | 5.04 | 101 | 0.16 | *** | *** |
| 1 | 45 | 16.13 | 35.590 | 26.19 | 4.76 | 89 | 0.31 | *** | *** |
| 1 | 60 | 14.44 | 35.500 | 26.50 | 4.30 | 77 | 0.62 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 113/61 | 1/ 3/61 | 1030 J | 35 56 S | 138 12 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | 18.9 | 21,7 | 15 | 4 | 16 | 8 | 3 | 8 | 15 | 2 | 15 | 4 | 1014.1 | 5 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19,91 | 35,660 | 25,31 | 5,17 | 104 | 0,20 | *** | *** |
| 1 | 10 | 19,86 | 35,660 | 25,32 | 4,94 | 99 | 0,14 | *** | *** |
| 1 | 20 | 19,80 | 35,670 | 25,34 | 5,10 | 102 | 0,16 | *** | *** |
| 1 | 30 | 19,05 | 35,680 | 25,55 | 5,11 | 101 | 0,21 | *** | *** |
| 1 | 40 | 17,85 | 35,660 | 25,83 | 4,67 | 90 | 0,33 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 115/61 | 4/ 3/61 | 1225 J | 34 54 S | 138 17 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 | *** | *** | 99 | 1 | 16 | * | * | 8 | 00 | 0 | 00 | 0 | * | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 22.25 | 37.410 | 26.00 | 4.61 | 98 | 0.17 | *** | *** |
| 1 | 22 | 22.22 | 37.450 | 26.04 | 4.50 | 95 | 0.16 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 116/61 | 4/ 3/61 | 1340 J | 35 04 S | 138 10 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | 17.2 | 22.2 | 99 | 1 | 16 | 1 | 2 | 8 | * | 0 | * | 0 | 1016.9 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 22.18 | 36.940 | 25.66 | 4.73 | 100 | 0.17 | *** | *** |
| 1 | 40 | 22.43 | 37.410 | 25.95 | 4.62 | 98 | 0.22 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 117/61 | 4/ 3/61 | 1430 J | 35 10 S | 138 05 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | 17.2 | 22.2 | 99 | 1 | 16 | 1 | 2 | 8 | * | 0 | * | 0 | 1016.9 | 5 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 22.29 | 36.870 | 25.58 | 4.81 | 102 | 0.19 | *** | *** |
| 1 | 15 | 21.94 | 36.870 | 25.67 | 4.70 | 99 | 0.17 | *** | *** |
| 1 | 25 | 21.97 | 36.930 | 25.71 | 4.70 | 99 | 0.19 | *** | *** |
| 1 | 40 | 22.10 | 37.010 | 25.74 | 4.53 | 95 | 0.20 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 118/61 | 4/ 3/61 | 1540 J | 35 13 S | 137 54 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39 | 17.2 | 22.8 | 20 | 3 | 16 | 1 | 2 | 8 | * | 0 | * | 0 | 1015.8 | 5 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 21.15 | 36.330 | 25.48 | 4.97 | 102 | 0.17 | *** | *** |
| 1 | 38 | 20.91 | 36.310 | 25.53 | 4.90 | 101 | 0.16 | *** | *** |

| STATION + | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 119/61 | 4/ 3/61 | 1705 J | 35 17 S | 137 41 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 17.8 | 19.4 | 20 | 3 | 16 | 1 | 2 | 8 | 14 | 2 | 14 | 1 | 1014.6 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 21.18 | 36.290 | 25.44 | 5.05 | 104 | 0.14 | *** | *** |
| 1 | 12 | 20.95 | 36.270 | 25.49 | 4.90 | 101 | 0.11 | *** | *** |
| 1 | 22 | 20.93 | 36.280 | 25.51 | 5.08 | 104 | 0.16 | *** | *** |
| 1 | 32 | 20.93 | 36.300 | 25.52 | 5.02 | 103 | 0.15 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 120/61 | 4/ 3/61 | 1859 J | 35 25 S | 137 17 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 16.1 | 20,6 | 12 | 4 | 16 | 1 | 1 | 8 | 12 | 2 | 12 | 1 | 1016,1 | 25 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 20,72 | 36,150 | 25,46 | 5,00 | 102 | 0.12 | *** | *** |
| 1 | 12 | 20,69 | 36,140 | 25,46 | 5,01 | 102 | 0.11 | *** | *** |
| 1 | 22 | 20,68 | 36,130 | 25,46 | 4,95 | 101 | 0.10 | *** | *** |
| 1 | 32 | 20,67 | 36,140 | 25,47 | 4,91 | 100 | 0.14 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 121/61 | 4/ 3/61 | 2045 J | 35 33 S | 136 54 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 17.2 | 21.1 | 12 | 3 | 16 | 0 | 5 | 8 | 14 | 2 | * | 0 | 1016.2 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 20.20 | 36.160 | 25.61 | 5.05 | 102 | 0.15 | *** | *** |
| 1 | 10 | 20.15 | 36.160 | 25.62 | 5.05 | 102 | 0.12 | *** | *** |
| 1 | 20 | 19.99 | 36.150 | 25.66 | 5.03 | 101 | 0.13 | *** | *** |
| 1 | 30 | 19.93 | 36.140 | 25.67 | 4.93 | 99 | 0.13 | *** | *** |
| 1 | 45 | 16.90 | 35.830 | 26.19 | 4.58 | 87 | 0.36 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 122/61 | 4/ 3/61 | 2315 J | 35 40 S | 136 31 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 82 | 16.7 | 20.6 | 10 | 4 | 16 | * | 0 | 8 | 12 | 3 | * | 0 | 1015.2 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 18.72 | 35.730 | 25.67 | 5.30 | 104 | 0.20 | *** | *** |
| 1 | 10 | 18.61 | 35.720 | 25.69 | 5.40 | 106 | 0.15 | *** | *** |
| 1 | 20 | 17.18 | 35.570 | 25.93 | 5.53 | 105 | 0.21 | *** | *** |
| 1 | 30 | 15.44 | 35.300 | 26.12 | 5.94 | 109 | 0.22 | *** | *** |
| 1 | 50 | 13.69 | 35.350 | 26.54 | 5.24 | 93 | 0.39 | *** | *** |
| 1 | 80 | 13.65 | 35.370 | 26.56 | 5.22 | 92 | 0.45 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 123/61 | 5/ 3/61 | 0100 J | 35 47 S | 136 10 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 122 | 15.6 | 19,4 | 11 | 2 | 16 | * | 0 | 8 | * | 0 | 12 | 1 | 1016.1 | 0 | 0 | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.38 | 35,710 | 25,48 | 5.18 | 103 | 0.06 | *** | *** |
| 1 | 10 | 19.35 | 35,710 | 25,49 | 5.17 | 103 | 0.05 | *** | *** |
| 1 | 20 | 19.39 | 35.710 | 25,48 | 5.15 | 102 | 0.06 | *** | *** |
| 1 | 30 | 19.19 | 35,760 | 25,57 | 5.17 | 102 | 0.07 | *** | *** |
| 1 | 50 | 15.42 | 35,400 | 26,20 | 5.80 | 106 | 0,20 | *** | *** |
| 1 | 75 | 13.34 | 35,310 | 26,58 | 5.31 | 93 | 0,37 | *** | *** |
| 1 | 100 | 13.34 | 35,310 | 26,58 | 5.28 | 93 | 0.38 | *** | *** |
| 2 | 120 | 13.12 | 35,260 | 26,59 | 5.45 | 95 | 0,44 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 124/61 | 5/ 3/61 | 0310 J | 35 55 S | 135 46 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 155 | 18.9 | 22.2 | 09 | 3 | 16 | * | 0 | 8 | * | 0 | 12 | 1 | 1015.0 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.67 | 35.640 | 25.35 | 5.22 | 104 | 0.10 | *** | *** |
| 1 | 10 | 19.63 | 35.640 | 25.37 | 5.30 | 106 | 0.10 | *** | *** |
| 1 | 20 | 19.65 | 35.640 | 25.36 | 5.23 | 104 | 0.09 | *** | *** |
| 1 | 30 | 19.65 | 35.640 | 25.36 | 5.22 | 104 | 0.10 | *** | *** |
| 1 | 50 | 17.75 | 35.490 | 25.73 | 5.70 | 110 | 0.11 | *** | *** |
| 1 | 73 | 14.84 | 35.400 | 26.33 | 5.64 | 102 | 0.16 | *** | *** |
| 1 | 93 | 14.45 | 35.500 | 26.49 | 4.74 | 85 | 0.29 | *** | *** |
| 1 | 140 | 14.21 | 35.490 | 26.54 | 5.06 | 91 | 0.33 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 125/61 | 5/ 3/61 | 0505 J | 36 03 S | 135 23 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2930 | 16.7 | 18.3 | 12 | 3 | 16 | 8 | 7 | 7 | 13 | 2 | 13 | 1 | 1015.0 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.65 | 35.560 | 25.30 | 5.11 | 102 | 0.15 | *** | *** |
| 1 | 24 | 19.55 | 35.560 | 25.33 | 5.06 | 101 | 0.14 | *** | *** |
| 1 | 48 | 18.57 | 35.450 | 25.49 | 5.46 | 107 | 0.14 | *** | *** |
| 1 | 72 | 13.41 | 35.040 | 26.36 | 5.95 | 104 | 0.26 | *** | *** |
| 1 | 95 | 14.25 | 35.490 | 26.53 | 5.31 | 95 | 0.31 | *** | *** |
| 1 | 142 | 12.33 | 35.100 | 26.62 | 5.44 | 93 | 0.43 | *** | *** |
| 1 | 187 | 12.04 | 35.090 | 26.67 | 5.59 | 95 | 0.44 | *** | *** |
| 1 | 278 | 11.23 | 35.020 | 26.77 | 5.40 | 90 | 0.70 | *** | *** |
| 1 | 462 | 9.46 | 34.780 | 26.89 | 5.40 | 87 | 0.88 | *** | *** |
| 1 | 644 | 8.78 | 34.710 | 26.95 | 5.28 | 83 | 0.98 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 126/61 | 5/ 3/61 | 0720 J | 36 10 S | 135 00 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4389 | 16.7 | 19.4 | 11 | 3 | 16 | 8 | 8 | 7 | 11 | 2 | 10 | 1 | 1016.1 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.73 | 35.650 | 25.35 | 5.16 | 103 | 0.16 | *** | *** |
| 1 | 24 | 19.60 | 35.650 | 25.38 | 5.17 | 103 | 0.11 | *** | *** |
| 1 | 48 | 16.43 | 35.490 | 26.04 | 5.84 | 109 | 0.14 | *** | *** |
| 1 | 70 | 14.51 | 35.430 | 26.43 | 5.90 | 106 | 0.19 | *** | *** |
| 1 | 93 | 14.12 | 35.470 | 26.54 | 5.34 | 95 | 0.30 | *** | *** |
| 1 | 140 | 13.40 | 35.360 | 26.61 | 5.46 | 96 | 0.37 | *** | *** |
| 1 | 184 | 13.02 | 35.270 | 26.62 | 5.46 | 95 | 0.42 | *** | *** |
| 1 | 272 | 12.05 | 35.120 | 26.69 | 5.46 | 93 | 0.48 | *** | *** |
| 1 | 462 | 9.57 | 34.790 | 26.88 | 5.56 | 89 | 0.86 | *** | *** |
| 1 | 700 | 8.92 | 34.710 | 26.92 | 5.36 | 85 | 1.04 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 130/61 | 5/ 3/61 | 1615 J | 35 04 S | 133 22 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1006 | 17.8 | 20.6 | 14 | 3 | 16 | 0 | 5 | 8 | 14 | 2 | 14 | 1 | 1013.7 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 20.66 | 35.980 | 25.35 | 5.13 | 105 | 0.10 | *** | *** |
| 1 | 24 | 20.52 | 35.990 | 25.40 | 4.78 | 97 | 0.05 | *** | *** |
| 1 | 47 | 20.44 | 36.000 | 25.42 | 5.04 | 102 | 0.06 | *** | *** |
| 1 | 70 | 15.39 | 35.360 | 26.18 | 5.84 | 107 | 0.16 | *** | *** |
| 1 | 93 | 13.54 | 35.180 | 26.44 | 5.72 | 101 | 0.26 | *** | *** |
| 1 | 140 | 12.51 | 35.130 | 26.61 | 5.51 | 95 | 0.44 | *** | *** |
| 1 | 186 | 12.08 | 35.100 | 26.67 | 5.54 | 94 | 0.46 | *** | *** |
| 1 | 281 | 11.05 | 34.970 | 26.76 | 5.26 | 88 | 0.63 | *** | *** |
| 1 | 472 | 9.05 | 34.720 | 26.91 | 5.44 | 86 | 1.00 | *** | *** |
| 1 | 664 | 7.71 | *** | *** | *** | *** | *** | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 131/61 | 5/ 3/61 | 1830 J | 34 45 S | 133 33 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 119 | 17.2 | 20,6 | 13 | 4 | 16 | 8 | 4 | 8 | 12 | 3 | * | 0 | 1013.4 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 20.56 | 35,780 | 25,23 | 4,99 | 101 | 0.11 | *** | *** |
| 1 | 10 | 20.50 | 35,790 | 25,25 | 5,05 | 102 | 0.12 | *** | *** |
| 1 | 20 | 20.42 | 35,790 | 25,27 | 5,07 | 103 | 0.25 | *** | *** |
| 1 | 30 | 20.42 | 35,800 | 25,28 | 5,11 | 104 | 0.12 | *** | *** |
| 1 | 50 | 18.16 | 35,690 | 25,78 | 5,46 | 106 | 0.10 | *** | *** |
| 1 | 71 | 15.94 | 35,620 | 26,26 | 5,49 | 102 | 0.21 | *** | *** |
| 1 | 92 | 15.33 | 35,580 | 26,36 | 5,13 | 94 | 0.28 | *** | *** |
| 1 | 102 | 15.34 | 35,580 | 26,36 | 5,13 | 94 | 0.27 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 132/61 | 5/ 3/61 | 2030 J | 34 29 S | 133 50 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99 | 17.2 | 20,0 | 13 | 4 | 16 | 8 | 4 | 8 | * | 0 | 11 | 1 | 1014.7 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 20,37 | 35,720 | 25,23 | 4,85 | 98 | 0,16 | *** | *** |
| 1 | 10 | 20,30 | 35,720 | 25,25 | 4,95 | 100 | 0,12 | *** | *** |
| 1 | 20 | 20,30 | 35,720 | 25,25 | 4,88 | 99 | 0,12 | *** | *** |
| 1 | 30 | 20,31 | 35,720 | 25,25 | 5,05 | 102 | 0,13 | *** | *** |
| 1 | 50 | 20,25 | 35,710 | 25,26 | 5,15 | 104 | 0,13 | *** | *** |
| 1 | 72 | 16,45 | 35,650 | 26,16 | 5,52 | 104 | 0,14 | *** | *** |
| 1 | 93 | 15,57 | 35,730 | 26,42 | 4,82 | 89 | 0,28 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 133/61 | 5/ 3/61 | 2215 J | 34 09 S | 133 55 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 86 | 16.7 | 20.0 | 15 | 4 | 16 | 1 | 1 | 8 | * | 0 | 13 | 1 | 1013.4 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 20.17 | 35.720 | 25.28 | 5.06 | 102 | 0.15 | *** | *** |
| 1 | 10 | 20.15 | 35.720 | 25.29 | 4.85 | 98 | 0.16 | *** | *** |
| 1 | 20 | 20.15 | 35.720 | 25.29 | 5.05 | 102 | 0.14 | *** | *** |
| 1 | 30 | 20.16 | 35.720 | 25.29 | 5.01 | 101 | 0.17 | *** | *** |
| 1 | 50 | 20.11 | 35.720 | 25.30 | 4.85 | 98 | 0.17 | *** | *** |
| 1 | 75 | 16.76 | 35.780 | 26.19 | 5.54 | 105 | 0.18 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 134/61 | 6/ 3/61 | 0012 J | 33 46 S | 134 02 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 77 | 16.7 | 19.4 | 13 | 5 | 16 | * | * | 8 | 13 | 2 | 13 | 1 | 1013.0 | 15 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.84 | 35.710 | 25.36 | 4.76 | 95 | 0.17 | *** | *** |
| 1 | 10 | 19.78 | 35.720 | 25.39 | 4.98 | 100 | 0.16 | *** | *** |
| 1 | 20 | 19.77 | 35.710 | 25.38 | 5.11 | 102 | 0.14 | *** | *** |
| 1 | 30 | 19.67 | 35.710 | 25.41 | 5.05 | 101 | 0.16 | *** | *** |
| 1 | 50 | 17.22 | 35.700 | 26.02 | 5.37 | 102 | 0.16 | *** | *** |
| 1 | 75 | 16.02 | 35.740 | 26.33 | 4.87 | 91 | 0.26 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 135/61 | 6/ 3/61 | 0220 J | 33 33 S | 134 13 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72 | 16.7 | 19.4 | 12 | 4 | 16 | * | 0 | 8 | 12 | 2 | 11 | 1 | 1012.3 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 18.21 | 35.630 | 25.72 | 5.31 | 103 | 0.18 | *** | *** |
| 1 | 10 | 18.21 | 35.620 | 25.71 | 5.29 | 103 | 0.20 | *** | *** |
| 1 | 20 | 18.12 | 35.600 | 25.72 | 5.21 | 101 | 0.19 | *** | *** |
| 1 | 30 | 17.64 | 35.560 | 25.81 | 5.21 | 100 | 0.17 | *** | *** |
| 1 | 50 | 16.86 | 35.560 | 25.99 | 5.34 | 101 | 0.23 | *** | *** |
| 1 | 70 | 16.00 | 35.590 | 26.22 | 5.37 | 100 | 0.23 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 139/61 | 6/ 3/61 | 0930 J | 32 38 S | 132 57 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 62 | 16.7 | 19,4 | 11 | 4 | 16 | * | 0 | 8 | 11 | 2 | 18 | 1 | 1014,5 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19,56 | 35,690 | 25,42 | 4,94 | 98 | 0,20 | *** | *** |
| 1 | 10 | 19,44 | 35,700 | 25,46 | 5,11 | 102 | 0,18 | *** | *** |
| 1 | 20 | 19,41 | 35,690 | 25,46 | 4,62 | 92 | 0,28 | *** | *** |
| 1 | 30 | 18,61 | 35,630 | 25,62 | 5,26 | 103 | 0,22 | *** | *** |
| 1 | 45 | 17,23 | 35,610 | 25,94 | 5,04 | 96 | 0,10 | *** | *** |
| 1 | 60 | 16,07 | 35,780 | 26,35 | 5,06 | 94 | 0,23 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 140/61 | 6/ 3/61 | 1110 J | 32 54 S | 132 46 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 16.7 | 20.0 | 08 | 3 | 16 | * | 0 | 8 | 11 | 2 | 12 | 1 | 1014.5 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 20.12 | 35.710 | 25.29 | 5.02 | 101 | 0.14 | *** | *** |
| 1 | 10 | 20.08 | 35.710 | 25.30 | 5.12 | 103 | 0.15 | *** | *** |
| 1 | 20 | 20.01 | 35.700 | 25.31 | 5.07 | 102 | 0.16 | *** | *** |
| 1 | 30 | 20.01 | 35.680 | 25.30 | 5.05 | 101 | 0.15 | *** | *** |
| 1 | 45 | 20.00 | 35.670 | 25.29 | 4.97 | 100 | 0.16 | *** | *** |
| 1 | 65 | 16.67 | 35.980 | 26.36 | 4.92 | 93 | 0.25 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 141/61 | 6/ 3/61 | 1305 J | 33 09 S | 132 31 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 91 | 16.7 | 20.6 | 13 | 4 | 16 | * | 0 | 8 | 13 | 2 | 16 | 1 | 1014.6 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 20.47 | 35.740 | 25.22 | 5.07 | 103 | 0.16 | *** | *** |
| 1 | 10 | 20.45 | 35.740 | 25.22 | 5.05 | 102 | 0.12 | *** | *** |
| 1 | 20 | 20.37 | 35.740 | 25.24 | 5.10 | 103 | 0.12 | *** | *** |
| 1 | 30 | 20.37 | 35.730 | 25.24 | 5.10 | 103 | 0.14 | *** | *** |
| 1 | 50 | 19.60 | 35.810 | 25.50 | 4.79 | 96 | 0.13 | *** | *** |
| 1 | 75 | 16.34 | 35.860 | 26.35 | 4.48 | 84 | 0.33 | *** | *** |
| 1 | 90 | 16.29 | 35.860 | 26.36 | 4.27 | 80 | 0.22 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 142/61 | 6/ 3/61 | 1515 J | 33 29 S | 132 26 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 115 | 18.3 | 21,7 | 11 | 4 | 16 | * | 0 | 8 | 11 | 2 | 14 | 1 | 1014,5 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 21,52 | 36,120 | 25,22 | 5,05 | 105 | 0,10 | *** | *** |
| 1 | 10 | 21,01 | 36,120 | 25,36 | 5,05 | 104 | 0,16 | *** | *** |
| 1 | 20 | 20,96 | 36,110 | 25,37 | 5,04 | 103 | 0,09 | *** | *** |
| 1 | 30 | 20,98 | 36,110 | 25,36 | 5,05 | 104 | 0,13 | *** | *** |
| 1 | 45 | 20,90 | 36,100 | 25,38 | 5,05 | 103 | 0,12 | *** | *** |
| 1 | 65 | 17,46 | 35,760 | 26,00 | 5,34 | 102 | 0,20 | *** | *** |
| 1 | 85 | 16,12 | 35,710 | 26,28 | 4,96 | 92 | 0,29 | *** | *** |
| 1 | 98 | 16,05 | 35,710 | 26,30 | 4,98 | 93 | 0,33 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 143/61 | 6/ 3/61 | 1720 J | 33 43 S | 132 10 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 155 | 17.8 | 21.1 | 10 | 2 | 16 | * | 0 | 8 | * | 0 | 15 | 4 | 1014.3 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 21.49 | 36.090 | 25.21 | 4.91 | 102 | 0.09 | *** | *** |
| 1 | 10 | 21.05 | 36.090 | 25.33 | 5.03 | 103 | 0.08 | *** | *** |
| 1 | 20 | 20.98 | 36.090 | 25.35 | 5.05 | 104 | 0.07 | *** | *** |
| 1 | 30 | 20.96 | 36.080 | 25.34 | 5.06 | 104 | 0.09 | *** | *** |
| 1 | 48 | 20.83 | 36.070 | 25.37 | 5.00 | 102 | 0.10 | *** | *** |
| 1 | 68 | 16.07 | 35.570 | 26.19 | 5.23 | 97 | 0.12 | *** | *** |
| 1 | 89 | 15.93 | 35.570 | 26.22 | 5.13 | 95 | 0.31 | *** | *** |
| 1 | 133 | 15.80 | 35.570 | 26.25 | 5.13 | 95 | 0.33 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 144/61 | 6/ 3/61 | 1740 J | 33 47 S | 132 08 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 393 | 17.8 | 21.1 | 10 | 2 | 16 | * | 0 | 8 | * | 0 | 15 | 4 | 1014.2 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 21.49 | 36.100 | 25.21 | 4.90 | 102 | 0.10 | *** | *** |
| 1 | 25 | 20.97 | 36.080 | 25.34 | 5.02 | 103 | 0.07 | *** | *** |
| 1 | 50 | 20.25 | 35.960 | 25.44 | 5.10 | 103 | 0.10 | *** | *** |
| 1 | 73 | 16.32 | 35.580 | 26.14 | 5.49 | 103 | 0.22 | *** | *** |
| 1 | 96 | 15.89 | 35.570 | 26.23 | 5.08 | 94 | 0.29 | *** | *** |
| 1 | 143 | 15.71 | 35.570 | 26.27 | 5.07 | 94 | 0.27 | *** | *** |
| 1 | 187 | 14.93 | 35.480 | 26.37 | 5.08 | 92 | 0.36 | *** | *** |
| 1 | 280 | 12.60 | 35.200 | 26.65 | 5.20 | 90 | 0.50 | *** | *** |
| 1 | 375 | 10.87 | 34.970 | 26.79 | 4.95 | 82 | 0.78 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 147/61 | 6/ 3/61 | 2342 J | 33 30 S | 130 52 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 466 | 17.8 | 20.0 | 14 | 1 | 16 | * | 0 | 8 | * | 2 | 14 | 1 | 1014.6 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 20.88 | 35.860 | 25.20 | 4.84 | 99 | 0.07 | *** | *** |
| 1 | 24 | 20.68 | 35.860 | 25.25 | 5.03 | 102 | 0.05 | *** | *** |
| 1 | 48 | 18.40 | 35.660 | 25.69 | 5.56 | 108 | 0.06 | *** | *** |
| 1 | 72 | 15.94 | 35.510 | 26.17 | 5.62 | 104 | 0.11 | *** | *** |
| 1 | 95 | 15.18 | 35.460 | 26.31 | 5.62 | 103 | 0.16 | *** | *** |
| 1 | 142 | 13.76 | 35.420 | 26.58 | 5.44 | 96 | 0.30 | *** | *** |
| 1 | 190 | 12.98 | 35.270 | 26.62 | 5.27 | 92 | 0.29 | *** | *** |
| 1 | 284 | 11.94 | 35.140 | 26.73 | 4.76 | 81 | 0.46 | *** | *** |
| 1 | 426 | 9.63 | 34.790 | 26.87 | 5.15 | 83 | 0.82 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 148/61 | 7/ 3/61 | 0245 J | 33 00 S | 131 00 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 95 | 18.9 | 20.6 | 00 | 0 | 16 | * | 0 | 8 | 00 | 0 | 14 | 1 | 1013.9 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 21.62 | 36.270 | 25.31 | 4.94 | 103 | 0.07 | *** | *** |
| 1 | 10 | 21.48 | 36.270 | 25.35 | 4.95 | 103 | 0.06 | *** | *** |
| 1 | 20 | 21.39 | 36.270 | 25.37 | 4.93 | 102 | 0.04 | *** | *** |
| 1 | 30 | 21.32 | 36.280 | 25.40 | 4.98 | 103 | 0.05 | *** | *** |
| 1 | 50 | 20.50 | 36.170 | 25.54 | 5.00 | 102 | 0.05 | *** | *** |
| 1 | 67 | 17.20 | 35.790 | 26.09 | 5.02 | 96 | 0.08 | *** | *** |
| 1 | 90 | 16.83 | 35.820 | 26.20 | 4.60 | 87 | 0.22 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 149/61 | 7/ 3/61 | 0436 J | 32 41 S | 131 05 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 81 | 18.9 | 20,6 | 00 | 0 | 16 | * | 0 | 8 | 00 | 0 | 11 | 1 | 1013.9 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 21,54 | 36,310 | 25,36 | 4,98 | 103 | 0,02 | *** | *** |
| 1 | 10 | 21,36 | 36,290 | 25,40 | 4,93 | 102 | 0,04 | *** | *** |
| 1 | 20 | 21,33 | 36,290 | 25,40 | 5,01 | 104 | 0,03 | *** | *** |
| 1 | 30 | 21,27 | 36,290 | 25,42 | 5,01 | 103 | 0,06 | *** | *** |
| 1 | 50 | 21,22 | 36,280 | 25,43 | 4,95 | 102 | 0,06 | *** | *** |
| 1 | 75 | 17,52 | 35,900 | 26,10 | 4,74 | 91 | 0,11 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 150/61 | 7/ 3/61 | 0636 J | 32 21 S | 131 10 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 18.9 | 20,6 | 09 | 2 | 16 | * | 0 | 8 | 00 | 0 | 12 | 1 | 1016.2 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 20,64 | 35,880 | 25,28 | 5,06 | 103 | 0,10 | *** | *** |
| 1 | 10 | 20,53 | 35,880 | 25,31 | 5,04 | 102 | 0,11 | *** | *** |
| 1 | 20 | 20,53 | 35,880 | 25,31 | 5,10 | 104 | 0,15 | *** | *** |
| 1 | 30 | 20,51 | 35,890 | 25,32 | 5,03 | 102 | 0,10 | *** | *** |
| 1 | 45 | 20,46 | 35,900 | 25,34 | 5,15 | 105 | 0,10 | *** | *** |
| 1 | 65 | 17,29 | 35,890 | 26,14 | 4,90 | 94 | 0,19 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 151/61 | 7/ 3/61 | 0830 J | 31 58 S | 131 16 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | 19.4 | 20,6 | 00 | 0 | 16 | * | 0 | 8 | * | 0 | 15 | 1 | 1017,0 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 20,22 | 35,840 | 25,36 | 5,08 | 103 | 0,10 | *** | *** |
| 1 | 10 | 20,18 | 35,830 | 25,36 | 5,15 | 104 | 0,09 | *** | *** |
| 1 | 20 | 20,11 | 35,840 | 25,39 | 5,04 | 102 | 0,11 | *** | *** |
| 1 | 30 | 20,06 | 35,960 | 25,50 | 4,86 | 98 | 0,11 | *** | *** |
| 1 | 55 | 17,37 | 35,870 | 26,11 | 4,80 | 92 | 0,17 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 155/61 | 7/ 3/61 | 1700 J | 32 12 S | 129 18 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 21.1 | 22.8 | 14 | 4 | 16 | * | 0 | 8 | 13 | 2 | * | 0 | 1015.2 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 22.04 | 36.430 | 25.31 | 5.05 | 106 | 0.05 | *** | *** |
| 1 | 10 | 21.38 | 36.440 | 25.50 | 5.09 | 105 | 0.04 | *** | *** |
| 1 | 20 | 21.26 | 36.450 | 25.54 | 5.08 | 105 | 0.03 | *** | *** |
| 1 | 30 | 21.17 | 36.460 | 25.58 | 5.13 | 106 | 0.03 | *** | *** |
| 1 | 45 | 20.38 | 36.320 | 25.69 | 5.10 | 104 | 0.09 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 156/61 | 7/ 3/61 | 1901 J | 32 34 S | 129 20 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 20.6 | 22.2 | 12 | 4 | 16 | * | 0 | 8 | 12 | 2 | 18 | 1 | 1015.5 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 22.13 | 36.380 | 25.25 | 4.92 | 103 | 0.04 | *** | *** |
| 1 | 10 | 21.71 | 36.370 | 25.36 | 4.76 | 99 | 0.04 | *** | *** |
| 1 | 20 | 21.65 | 36.380 | 25.38 | 4.82 | 100 | 0.03 | *** | *** |
| 1 | 30 | 21.58 | 36.370 | 25.39 | 4.59 | 95 | 0.03 | *** | *** |
| 1 | 55 | 19.21 | 36.140 | 25.85 | 4.63 | 92 | 0.09 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 157/61 | 7/ 3/61 | 2050 J | 32 52 S | 129 18 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66 | 17.8 | 21.7 | 10 | 2 | 16 | * | 0 | 8 | * | 0 | 14 | 1 | 1016.1 | 10 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 22.20 | 36.320 | 25.18 | 5.00 | 105 | 0.04 | *** | *** |
| 1 | 10 | 21.84 | 36.320 | 25.28 | 5.07 | 106 | 0.05 | *** | *** |
| 1 | 20 | 21.75 | 36.320 | 25.31 | 5.04 | 105 | 0.04 | *** | *** |
| 1 | 30 | 21.68 | 36.300 | 25.32 | 5.02 | 104 | 0.03 | *** | *** |
| 1 | 45 | 21.59 | 36.300 | 25.34 | 4.99 | 104 | 0.04 | *** | *** |
| 1 | 65 | 18.11 | 35.970 | 26.01 | 4.69 | 91 | 0.26 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 158/61 | 7/ 3/61 | 2245 J | 33 13 S | 129 20 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 124 | 19.4 | 21.7 | 09 | 3 | 16 | * | 0 | 8 | * | 0 | 13 | 1 | 1016.0 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 21.48 | 36.070 | 25.19 | 4.83 | 100 | 0.04 | *** | *** |
| 1 | 10 | 21.37 | 36.050 | 25.21 | 4.99 | 103 | 0.04 | *** | *** |
| 1 | 20 | 21.22 | 36.090 | 25.28 | 5.04 | 104 | 0.06 | *** | *** |
| 1 | 30 | 21.22 | 36.070 | 25.27 | 4.99 | 103 | 0.05 | *** | *** |
| 1 | 50 | 20.89 | 36.080 | 25.36 | 5.08 | 104 | 0.04 | *** | *** |
| 1 | 74 | 17.42 | 35.700 | 25.97 | 5.21 | 100 | 0.15 | *** | *** |
| 1 | 95 | 16.86 | 35.670 | 26.08 | 5.00 | 95 | 0.30 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 159/61 | 8/ 3/61 | 0045 J | 33 32 S | 129 21 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 603 | 20.0 | 21,7 | 07 | 3 | 16 | * | 0 | 8 | 07 | 2 | 13 | 1 | 1016.6 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 21.34 | 35,960 | 25,15 | 5,02 | 104 | 0.09 | *** | *** |
| 1 | 24 | 20,84 | 35,940 | 25,27 | 5,08 | 104 | 0.08 | *** | *** |
| 1 | 47 | 20,59 | 35,900 | 25,31 | 5,18 | 105 | 0.07 | *** | *** |
| 1 | 71 | 16,69 | 35,560 | 26,04 | 5,69 | 107 | 0.12 | *** | *** |
| 1 | 94 | 14,61 | 35,310 | 26,31 | 5,52 | 99 | 0.23 | *** | *** |
| 1 | 141 | 13,13 | 35,250 | 26,58 | 5,44 | 95 | 0.43 | *** | *** |
| 1 | 181 | 13,09 | 35,280 | 26,61 | 5,51 | 96 | 0.41 | *** | *** |
| 1 | 274 | 12,30 | 35,180 | 26,69 | 5,52 | 95 | 0.49 | *** | *** |
| 1 | 364 | 10,84 | 34,970 | 26,80 | 5,37 | 89 | 0.77 | *** | *** |
| 1 | 458 | 9.23 | 34,740 | 26,90 | 5,45 | 87 | 0.89 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 164/61 | 8/ 3/61 | 0738 J | 33 37 S | 127 38 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 878 | 21.1 | 22,2 | 03 | 4 | 16 | 1 | 3 | 8 | 03 | 2 | 04 | 1 | 1014.4 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 20.90 | 35,800 | 25,15 | 5.10 | 104 | 0.16 | *** | *** |
| 1 | 23 | 20,49 | 35,830 | 25,28 | 5.15 | 105 | 0.15 | *** | *** |
| 1 | 46 | 20.44 | 36,030* | 25,45 | 5.12 | 104 | 0.14 | *** | *** |
| 1 | 69 | 16.84 | 35,530 | 25,98 | 5.73 | 108 | 0.16 | *** | *** |
| 1 | 92 | 15.13 | 35,430 | 26,29 | 5.74 | 105 | 0.23 | *** | *** |
| 1 | 138 | 13.84 | 35,420 | 26,56 | 5.57 | 99 | 0.34 | *** | *** |
| 1 | 182 | 13.36 | 35,340 | 26,60 | 5.51 | 97 | 0.33 | *** | *** |
| 1 | 276 | 12.41 | 35,170 | 26,66 | 5.41 | 93 | 0.51 | *** | *** |
| 1 | 460 | 9.40 | 34,740 | 26,87 | 5.12 | 82 | 0.91 | *** | *** |
| 1 | 643 | 8.47 | 34,620 | 26,92 | 4,92 | 77 | 1.06 | *** | *** |

* PROPERTY DOUBTFUL
\+ PROPERTY INTERPOLATED

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 165/61 | 8/ 3/61 | 1005 J | 33 20 S | 127 36 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 183 | 21.7 | 23.3 | 04 | 4 | 16 | 1 | 2 | 8 | 04 | 2 | 03 | 1 | 1015.4 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 21.06 | 35.830 | 25.13 | 5.00 | 103 | 0.15 | *** | *** |
| 1 | 25 | 20.70 | 35.830 | 25.22 | 5.06 | 103 | 0.12 | *** | *** |
| 1 | 50 | 20.52 | 35.820 | 25.27 | 5.09 | 103 | 0.14 | *** | *** |
| 1 | 75 | 19.04 | 35.770 | 25.62 | 5.15 | 102 | 0.22 | *** | *** |
| 1 | 100 | 16.51 | 35.580 | 26.09 | 5.38 | 101 | 0.28 | *** | *** |
| 1 | 140 | 14.60 | 35.440 | 26.42 | 5.59 | 101 | 0.27 | *** | *** |
| 1 | 172 | 14.04 | 35.400 | 26.51 | 5.41 | 96 | 0.32 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 166/61 | 8/ 3/61 | 1200 J | 32 57 S | 127 33 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71 | 20.0 | 22,2 | 04 | 2 | 16 | * | 0 | 8 | 04 | 2 | 06 | 1 | 1016,5 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 21,89 | 36,360 | 25,30 | 4,94 | 103 | 0,11 | *** | *** |
| 1 | 10 | 21,88 | 36,360 | 25,30 | 4,95 | 103 | 0,07 | *** | *** |
| 1 | 20 | 21,78 | 36,360 | 25,33 | 4,83 | 101 | 0,12 | *** | *** |
| 1 | 30 | 21,70 | 36,360 | 25,35 | 4,92 | 102 | 0,13 | *** | *** |
| 1 | 50 | 21,48 | 36,350 | 25,41 | 4,94 | 102 | 0,14 | *** | *** |
| 1 | 70 | 17,86 | 35,820 | 25,95 | 4,78 | 92 | 0,27 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 167/61 | 8/ 3/61 | 1330 J | 32 44 S | 127 31 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52 | 20.0 | 22.2 | 07 | 4 | 16 | * | 0 | 8 | 07 | 3 | 09 | 1 | 1016.5 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 22.27 | 36.380 | 25.21 | 4.86 | 102 | 0.06 | *** | *** |
| 1 | 10 | 22.00 | 36.380 | 25.29 | 4.95 | 104 | 0.05 | *** | *** |
| 1 | 20 | 21.90 | 36.380 | 25.31 | 5.01 | 105 | 0.09 | *** | *** |
| 1 | 30 | 21.44 | 36.360 | 25.43 | 4.95 | 103 | 0.09 | *** | *** |
| 1 | 40 | 20.38 | 36.230 | 25.62 | 4.64 | 94 | 0.17 | *** | *** |
| 1 | 50 | 20.06 | 36.180 | 25.66 | 4.56 | 92 | 0.18 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 168/61 | 8/ 3/61 | 1500 J | 32 34 S | 127 30 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 | 15.6 | 23,9 | 09 | 4 | 16 | * | 0 | 8 | 07 | 3 | 09 | 1 | 1014,0 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 22,51 | 36,430 | 25,18 | 4,86 | 103 | 0,06 | *** | *** |
| 1 | 20 | 22,09 | 36,410 | 25,28 | 4,86 | 102 | 0,07 | *** | *** |
| 1 | 30 | 21,72 | 36,390 | 25,37 | 4,92 | 103 | 0,07 | *** | *** |
| 1 | 40 | 21,55 | 36,370 | 25,40 | 4,68 | 97 | 0,13 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 172/61 | 8/ 3/61 | 2215 J | 32 50 S | 125 40 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | 18.3 | 21.7 | 19 | 5 | 16 | 8 | 5 | 7 | 19 | 4 | * | 0 | 1017.5 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 21.61 | 36.390 | 25.40 | 4.97 | 103 | 0.09 | *** | *** |
| 1 | 20 | 21.31 | 36.370 | 25.47 | 4.94 | 102 | 0.10 | *** | *** |
| 1 | 30 | 20.67 | 36.340 | 25.62 | 4.86 | 99 | 0.12 | *** | *** |
| 1 | 40 | 20.63 | 36.340 | 25.63 | 4.81 | 98 | 0.13 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 173/61 | 9/ 3/61 | 0010 J | 33 10 S | 125 48 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66 | 20.0 | 22.2 | 19 | 8 | 16 | 8 | 8 | 7 | 19 | 2 | 19 | 1 | 1022.5 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 21.50 | 36.000 | 25.14 | 5.00 | 104 | 0.13 | *** | *** |
| 1 | 10 | 21.44 | 35.990 | 25.14 | 4.99 | 103 | 0.11 | *** | *** |
| 1 | 20 | 21.42 | 36.040 | 25.19 | 4.94 | 102 | 0.11 | *** | *** |
| 1 | 30 | 21.31 | 36.240 | 25.37 | 4.83 | 100 | 0.15 | *** | *** |
| 1 | 50 | 20.25 | 36.050 | 25.51 | 4.82 | 98 | 0.16 | *** | *** |
| 1 | 60 | 19.33 | 35.910 | 25.65 | 4.52 | 90 | 0.22 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 174/61 | 9/ 3/61 | 0230 J | 33 31 S | 125 54 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 114 | 21.1 | 23.3 | 16 | 6 | 16 | 8 | 8 | 7 | 16 | 2 | 17 | 4 | 1021.7 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 21.40 | 36.180 | 25.30 | 5.00 | 103 | 0.08 | *** | *** |
| 1 | 10 | 21.34 | 36.180 | 25.32 | 4.94 | 102 | 0.07 | *** | *** |
| 1 | 20 | 21.34 | 36.180 | 25.32 | 4.97 | 103 | 0.11 | *** | *** |
| 1 | 30 | 21.33 | 36.180 | 25.32 | 4.94 | 102 | 0.12 | *** | *** |
| 1 | 50 | 20.58 | 36.110 | 25.47 | 5.05 | 103 | 0.14 | *** | *** |
| 1 | 75 | 18.75 | 35.790 | 25.71 | 5.08 | 100 | 0.20 | *** | *** |
| 1 | 100 | 18.35 | 35.780 | 25.80 | 5.05 | 98 | 0.24 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 175/61 | 9/ 3/61 | 0445 J | 33 51 S | 126 00 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 658 | 19.4 | 21,7 | 15 | 7 | 16 | 8 | 8 | 7 | 15 | 3 | 16 | 4 | 1022,4 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 20,72 | 35,710 | 25,13 | 4,80 | 98 | 0,16 | *** | *** |
| 1 | 23 | 20,71 | 35,720 | 25,14 | 4,93 | 100 | 0,13 | *** | *** |
| 1 | 46 | 20,61 | 35,840 | 25,26 | 4,95 | 101 | 0,15 | *** | *** |
| 1 | 69 | 16,80 | 35,440 | 25,92 | 5,66 | 107 | 0,20 | *** | *** |
| 1 | 91 | 14,37 | 35,360 | 26,40 | 5,58 | 100 | 0,25 | *** | *** |
| 1 | 137 | 13,84 | 35,400 | 26,55 | 5,34 | 95 | 0,29 | *** | *** |
| 1 | 178 | 13,40 | 35,330 | 26,58 | 5,30 | 93 | 0,43 | *** | *** |
| 1 | 269 | 12,23 | 35,150 | 26,68 | 4,91 | 84 | 0,51 | *** | *** |
| 1 | 446 | 9,27 | 34,710 | 26,87 | 4,85 | 77 | 0,79 | *** | *** |
| 1 | 623 | 8,20 | 34,570 | 26,93 | 5,04 | 78 | 1,00 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 176/61 | 10/ 3/61 | 0130 J | 36 51 S | 129 35 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5577 | 13.3 | 17.2 | 13 | 6 | 16 | 1 | 8 | 8 | 14 | 4 | 15 | 4 | 1030.1 | 0 | 0 | 0 |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.24 | 35.370 | 25.26 | 5.29 | 105 | 0.25 | *** | 0.0 |
| 1 | 25 | 19.23 | 35.370 | 25.26 | 5.29 | 105 | 0.26 | *** | 0.0 |
| 1 | 50 | 15.36 | 35.330 | 26.17 | 5.91 | 108 | 0.32 | *** | 0.0 |
| 1 | 75 | 13.71 | 35.350 | 26.54 | 5.41 | 96 | 0.28 | *** | 0.0 |
| 1 | 95 | 13.22 | 35.340 | 26.63 | 5.58 | 98 | 0.40 | *** | 0.4 |
| 1 | 140 | 13.11 | 35.350 | 26.66 | 5.56 | 97 | 0.42 | *** | 0.3 |
| 1 | 185 | 13.16 | 35.350 | 26.65 | 5.57 | 97 | 0.43 | *** | 0.4 |
| 1 | 280 | 12.96 | 35.310 | 26.66 | 5.54 | 96 | 0.43 | *** | 0.5 |
| 1 | 466 | 10.72 | 34.960 | 26.81 | 5.51 | 91 | 0.81 | *** | 4.7 |
| 1 | 657 | 8.79 | 34.650 | 26.90 | 5.47 | 86 | 1.11 | *** | 12.3 |
| 2 | 828 | 7.77 | 34.530 | 26.96 | 5.03 | 77 | 1.24 | *** | 15.0 |
| 2 | 1019 | 5.33 | 34.420 | 27.20 | 4.40 | 64 | 1.51 | *** | 12.5 |
| 2 | 1190 | 3.77 | 34.430 | 27.38 | 4.17 | 58 | 1.66 | *** | 14.1 |
| 2 | 1378 | 3.06 | 34.510 | 27.51 | 3.85 | 52 | 1.67 | *** | 13.6 |
| 2 | 1847 | 2.48 | 34.690 | 27.71 | 3.73 | 50 | 1.70 | *** | 10.4 |
| 2 | 2316 | 2.14 | 34.740 | 27.77 | 3.94 | 52 | 1.73 | *** | 16.0 |
| 3 | 2784 | 1.86 | 34.740 | 27.80 | 3.97 | 52 | 1.63 | *** | 12.3 |
| 3 | 3255 | 1.59 | 34.750 | 27.82 | 4.30 | 56 | 1.81 | *** | 10.5 |
| 3 | 3725 | 1.32 | 34.740 | 27.84 | 4.37 | 57 | 1.72 | *** | 12.1 |
| 3 | 4194 | 1.19 | 34.730 | 27.84 | 4.51 | 58 | 1.70 | *** | 12.5 |
| 3 | 4665 | 0.99 | 34.720 | 27.84 | 4.71 | 61 | 1.68 | *** | 19.5 |
| 3 | 5130 | 0.92 | *** | *** | *** | *** | *** | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 177/61 | 10/ 3/61 | 2045 J | 36 15 S | 133 35 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4755 | 15.0 | 17,8 | 14 | 4 | 16 | 8 | 3 | 8 | 14 | 3 | 15 | 4 | 1031,5 | 0 | 0 | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19,23 | 35,430 | 25,31 | 5,23 | 103 | 0,12 | *** | 0,0 |
| 1 | 24 | 19,22 | 35,430 | 25,31 | 5,20 | 103 | 0,17 | *** | 0,0 |
| 1 | 48 | 14,85 | 35,120 | 26,12 | 6,16 | 111 | 0,19 | *** | 0,0 |
| 1 | 71 | 12,65 | 35,030 | 26,50 | 5,87 | 101 | 0,32 | *** | 1,2 |
| 1 | 95 | 12,16 | 35,050 | 26,62 | 5,64 | 96 | 0,42 | *** | 2,0 |
| 1 | 142 | 11,99 | 35,090 | 26,68 | 5,63 | 96 | 0,44 | *** | 1,6 |
| 1 | 190 | 11,89 | 35,100 | 26,71 | 5,66 | 96 | 0,45 | *** | 2,2 |
| 1 | 286 | 10,76 | 34,970 | 26,81 | 5,41 | 89 | 0,66 | *** | 6,7 |
| 1 | 475 | 9,13 | 34,730 | 26,91 | 5,48 | 87 | 0,88 | *** | 10,0 |
| 1 | 660 | 8,94 | 34,740 | 26,94 | 5,29 | 84 | 0,99 | *** | 14,5 |
| 2 | 840 | 6,28 | 34,450 | 27,10 | 4,49 | 67 | 1,39 | *** | 27,0 |
| 2 | 1025 | 4,21 | 34,400 | 27,31 | 4,36 | 61 | 1,69 | *** | 29,5 |
| 2 | 1210 | 3,25 | 34,470 | 27,46 | 3,95 | 54 | 1,74 | *** | 28,2 |
| 2 | 1395 | 2,80 | 34,550 | 27,57 | 3,75 | 51 | 1,84 | *** | 29,1 |
| 2 | 1855 | 2,37 | 34,700 | 27,72 | 3,77 | 50 | 1,81 | *** | 29,9 |
| 2 | 2335 | 2,05 | 34,730 | 27,77 | 4,01 | 53 | 1,80 | *** | 34,1 |
| 3 | 2800 | 1,77 | 34,730 | 27,79 | 4,05 | 53 | 1,70 | *** | 26,6 |
| 3 | 3270 | 1,49 | 34,780 | 27,86 | 4,35 | 57 | 1,68 | *** | 25,1 |
| 3 | 3735 | 1,30 | 34,720 | 27,82 | 4,64 | 60 | 1,67 | *** | 30,1 |
| 3 | 4300 | 1,07 | 34,720 | 27,84 | 4,45 | 57 | 1,69 | *** | 31,4 |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 179/61 | 11/ 3/61 | 1335 J | 36 58 S | 136 56 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3570 | 14.4 | 18.9 | 14 | 4 | 16 | 8 | 5 | 8 | 14 | 2 | 17 | 4 | 1027.8 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.07 | 35.460 | 25.37 | 5.08 | 100 | 0.19 | *** | *** |
| 1 | 25 | 19.01 | 35.460 | 25.39 | 5.17 | 102 | 0.20 | *** | *** |
| 1 | 50 | 18.83 | 35.500 | 25.46 | 5.21 | 102 | 0.12 | *** | *** |
| 1 | 75 | 13.06 | 35.030* | 26.42 | 5.77 | 100 | 0.22 | *** | *** |
| 1 | 98 | 12.67 | 35.150 | 26.59 | 5.84 | 101 | 0.40 | *** | *** |
| 1 | 146 | 11.99 | 35.110 | 26.69 | 5.43 | 92 | 0.51 | *** | *** |
| 1 | 191 | 11.77 | 35.100 | 26.73 | 5.39 | 91 | 0.54 | *** | *** |
| 1 | 282 | 10.53 | 34.920 | 26.82 | 4.71 | 77 | 0.77 | *** | *** |
| 1 | 470 | 9.00 | 34.700 | 26.90 | 5.24 | 83 | 0.91 | *** | *** |
| 1 | 661 | 8.28 | 34.610 | 26.95 | 5.04 | 78 | 1.06 | *** | *** |
| 1 | 844 | 6.05 | 34.420 | 27.11 | 4.40 | 65 | 1.60 | *** | *** |
| 1 | 1032 | 4.13 | 34.400 | 27.32 | 4.23 | 59 | 1.81 | *** | *** |

* PROPERTY DOUBTFUL
\+ PROPERTY INTERPOLATED

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 180/61 | 11/ 3/61 | 1630 J | 36 53 S | 137 26 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 384 | 15.0 | 18,9 | 15 | 4 | 16 | 8 | 6 | 8 | 13 | 2 | 20 | 4 | 1025.9 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19,37 | 35,750 | 25,52 | 4,93 | 98 | 0,10 | *** | *** |
| 1 | 24 | 19,25 | 35,730 | 25,53 | 4,89 | 97 | 0,11 | *** | *** |
| 1 | 47 | 15,36 | 35,310 | 26,15 | 5,60 | 102 | 0,30 | *** | *** |
| 1 | 71 | 13,43 | 35,310 | 26,56 | 5,36 | 94 | 0,41 | *** | *** |
| 1 | 118 | 13,25 | 35,280 | 26,58 | 5,19 | 91 | 0,46 | *** | *** |
| 1 | 165 | 12,87 | 35,250 | 26,63 | 4,05 | 70 | 0,48 | *** | *** |
| 1 | 260 | 11,16 | 34,990 | 26,76 | 5,12 | 85 | 0,51 | *** | *** |
| 1 | 355 | 10,82 | 34,970 | 26,80 | 5,30 | 88 | 0,75 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 181/61 | 11/ 3/61 | 1900 J | 36 48 S | 137 49 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 61 | 16.7 | 18,9 | 14 | 7 | 16 | 8 | 8 | 7 | 14 | 4 | 16 | 4 | 1025.2 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 19.41 | 35,790 | 25,54 | 5.00 | 99 | 0.10 | *** | *** |
| 1 | 20 | 19.43 | 35,790 | 25,53 | 5.12 | 102 | 0.09 | *** | *** |
| 1 | 30 | 19.45 | 35,780 | 25,52 | 5.00 | 100 | 0.17 | *** | *** |
| 1 | 40 | 19.43 | 35,780 | 25,52 | 4.86 | 97 | 0.15 | *** | *** |
| 1 | 55 | 14.09 | 35,410 | 26,50 | 4.31 | 77 | 0.50 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 182/61 | 11/ 3/61 | 2135 J | 36 39 S | 138 22 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66 | 13.9 | 16.7 | 15 | 6 | 16 | * | 0 | 7 | 15 | 3 | 16 | 4 | 1024.7 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 17.82 | 35.410 | 25.65 | 4.89 | 94 | 0.15 | *** | *** |
| 1 | 20 | 17.79 | 35.410 | 25.66 | 4.34 | 83 | 0.21 | *** | *** |
| 1 | 30 | 17.51 | 35.370 | 25.69 | 4.11 | 79 | 0.20 | *** | *** |
| 1 | 45 | 14.66 | 35.410 | 26.38 | 4.47 | 81 | 0.50 | *** | *** |
| 1 | 60 | 14.65 | 35.400 | 26.37 | 4.52 | 82 | 0.51 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 183/61 | 11/ 3/61 | 2355 J | 36 30 S | 138 51 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | WIRE ANGLES CAST2 | WIRE ANGLES CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | 13.3 | 15.0 | 14 | 6 | 16 | * | 0 | 7 | 14 | 3 | 16 | 4 | 1024.9 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 18.50 | 35.480 | 25.53 | 5.26 | 103 | 0.14 | *** | *** |
| 1 | 20 | 18.50 | 35.480 | 25.53 | 5.25 | 102 | 0.13 | *** | *** |
| 1 | 30 | 18.52 | 35.470 | 25.52 | 5.29 | 103 | 0.13 | *** | *** |
| 1 | 40 | 15.93 | 35.440 | 26.12 | 4.79 | 89 | 0.35 | *** | *** |
| 1 | 52 | 15.26 | 35.620 | 26.41 | 3.92 | 72 | 0.50 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 184/61 | 12/ 3/61 | 0220 J | 36 23 S | 139 18 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 12.8 | 15,0 | 14 | 5 | 16 | * | 0 | 8 | 15 | 3 | 14 | 1 | 1022.9 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 16.51 | 35,410 | 25,96 | 5.03 | 94 | 0,21 | *** | *** |
| 1 | 20 | 16.53 | 35,400 | 25,95 | 5.01 | 94 | 0,30 | *** | *** |
| 1 | 30 | 16.53 | 35,400 | 25,95 | 4.97 | 93 | 0,33 | *** | *** |
| 1 | 40 | 16.41 | 35,400 | 25,98 | 4.83 | 90 | 0,34 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 187/61 | 12/ 3/61 | 0945 J | 37 39 S | 140 02 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42 | 13.3 | 17.2 | 17 | 4 | 16 | 8 | 8 | 8 | * | 0 | 17 | 1 | 1024.0 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 14.76 | 35.230 | 26.22 | 5.98 | 108 | 0.22 | *** | *** |
| 1 | 10 | 13.77 | 35.200 | 26.41 | 5.69 | 101 | 0.21 | *** | *** |
| 1 | 20 | 12.74 | 35.160 | 26.59 | 5.31 | 92 | 0.44 | *** | *** |
| 1 | 30 | 12.73 | 35.160 | 26.59 | 5.40 | 93 | 0.51 | *** | *** |
| 1 | 40 | 12.73 | 35.160 | 26.59 | 5.09 | 88 | 0.50 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 188/61 | 12/ 3/61 | 1100 J | 37 45 S | 139 56 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 95 | 13.3 | 17.2 | 17 | 4 | 16 | 8 | 8 | 8 | * | 0 | 17 | 4 | 1024.0 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 17.17 | 35.330 | 25.75 | 5.54 | 105 | 0.16 | *** | *** |
| 1 | 10 | 16.75 | 35.300 | 25.82 | 5.58 | 105 | 0.17 | *** | *** |
| 1 | 20 | 16.52 | 35.280 | 25.86 | 5.66 | 106 | 0.18 | *** | *** |
| 1 | 30 | 16.03 | 35.260 | 25.96 | 5.82 | 108 | 0.20 | *** | *** |
| 1 | 50 | 13.67 | 35.170 | 26.41 | 5.85 | 103 | 0.29 | *** | *** |
| 1 | 75 | 12.67 | 35.180 | 26.62 | 5.46 | 94 | 0.39 | *** | *** |
| 1 | 95 | 12.53 | 35.180 | 26.64 | 5.40 | 93 | 0.43 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 189/61 | 12/ 3/61 | 1230 J | 37 55 S | 139 43 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 933 | 13.9 | 16,1 | 14 | 4 | 16 | 1 | 5 | 8 | 14 | 2 | 17 | 1 | 1023,0 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 17,65 | 35,350 | 25,64 | 5,38 | 103 | 0,18 | *** | *** |
| 1 | 24 | 17,36 | 35,340 | 25,71 | 5,42 | 103 | 0,17 | *** | *** |
| 1 | 46 | 16,66 | 35,290 | 25,84 | 5,63 | 106 | 0,19 | *** | *** |
| 1 | 68 | 14,26 | 35,150 | 26,27 | 6,07 | 108 | 0,20 | *** | *** |
| 1 | 90 | 12,70 | 35,120 | 26,56 | 5,92 | 102 | 0,36 | *** | *** |
| 1 | 136 | 12,20 | 35,130 | 26,67 | 5,63 | 96 | 0,48 | *** | *** |
| 1 | 180 | 11,92 | 35,130 | 26,72 | 5,56 | 94 | 0,51 | *** | *** |
| 1 | 270 | 11,40 | 35,050 | 26,76 | 5,52 | 93 | 0,54 | *** | *** |
| 1 | 451 | 9,14 | 34,710 | 26,89 | 5,45 | 87 | 1,00 | *** | *** |
| 1 | 638 | 7,86 | 34,550 | 26,96 | 4,92 | 76 | 1,25 | *** | *** |
| 1 | 826 | 5,52 | 34,430 | 27,18 | 4,28 | 62 | 1,57 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 193/61 | 12/ 3/61 | 2010 J | 38 45 S | 141 13 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1463 | 14.4 | 17,2 | 10 | 3 | 16 | 8 | 2 | 8 | 10 | 2 | 15 | 1 | 1020.9 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 17.62 | 35,350 | 25,65 | 5.28 | 101 | 0.17 | *** | *** |
| 1 | 25 | 17.64 | 35,350 | 25,65 | 5,34 | 102 | 0.15 | *** | *** |
| 1 | 48 | 14.20 | 35,180 | 26,30 | 5,98 | 107 | 0.23 | *** | *** |
| 1 | 72 | 12.89 | 35,160 | 26,56 | 5,48 | 95 | 0.41 | *** | *** |
| 1 | 94 | 12.66 | 35,170 | 26,61 | 5,45 | 94 | 0.50 | *** | *** |
| 1 | 138 | 12.30 | 35,140 | 26,66 | 5,39 | 92 | 0.52 | *** | *** |
| 1 | 184 | 12.06 | 35,160 | 26,72 | 5,45 | 93 | 0.51 | *** | *** |
| 1 | 274 | 11.01 | 34,980 | 26,78 | 5,58 | 93 | 0.69 | *** | *** |
| 1 | 456 | 8.77 | 34,620 | 26,88 | 5,57 | 88 | 1.00 | *** | *** |
| 1 | 640 | 7.97 | 34,550 | 26,95 | 5,21 | 81 | 1.19 | *** | *** |
| 1 | 820 | 5.79 | 34,430 | 27,15 | 4,44 | 65 | 1.51 | *** | *** |
| 1 | 1003 | 3.98 | 34,420 | 27,35 | 4,20 | 59 | 1.77 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 194/61 | 12/ 3/61 | 2200 J | 38 33 S | 141 19 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | 15.6 | 18,9 | 10 | 3 | 16 | * | 0 | 8 | 10 | 2 | 15 | 1 | 1021.1 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | *** | 35,400 | *** | 5,48 | *** | 0,29 | *** | *** |
| 1 | 20 | *** | 35,340 | *** | 5,54 | *** | 0,27 | *** | *** |
| 1 | 30 | *** | 35,340 | *** | 5,56 | *** | 0,18 | *** | *** |
| 1 | 50 | *** | 35,170 | *** | 5,74 | *** | 0,40 | *** | *** |
| 1 | 75 | 13,05 | 35,160 | 26,53 | 5,45 | 95 | 0,42 | *** | *** |
| 1 | 100 | 12,90 | 35,150 | 26,55 | 5,40 | 94 | 0,40 | *** | *** |
| 1 | 120 | 12,65 | 35,150 | 26,60 | 5,34 | 92 | 0,42 | *** | *** |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/ 195/61 | 12/ 3/61 | 2300 J | 38 26 S | 141 22 E |

| SONIC DEPTH | AIR TEMP. WET | AIR TEMP. DRY | WIND DIR. | WIND SP. | ANEM. HEIGHT | CLOUD TYPE | CLOUD AMT. | VIS. | SEA DIR. | SEA AMT. | SWELL DIR. | SWELL AMT. | ATMOS. PRESSURE | WIRE ANGLES CAST1 | CAST2 | CAST3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 93 | 15.6 | 17,2 | 09 | 3 | 16 | * | 0 | 8 | 09 | 2 | 15 | 1 | 1019.9 | 0 | * | * |

| CAST | DEPTH | TEMP. | SALINITY | SIGMA-T | OXYGEN | OXYGEN % SAT. | INORG. P | TOTAL P | NITRATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 16.93 | 35,340 | 25,81 | 5.60 | 106 | 0.17 | *** | *** |
| 1 | 10 | 16.96 | 35,340 | 25,80 | 5.59 | 106 | 0.16 | *** | *** |
| 1 | 20 | 15.91 | 35,260 | 25,99 | 5.63 | 104 | 0.20 | *** | *** |
| 1 | 30 | 13.69 | 35,190 | 26,42 | 5.66 | 100 | 0.31 | *** | *** |
| 1 | 50 | 12.87 | 35,170 | 26,57 | 5.41 | 94 | 0.51 | *** | *** |
| 1 | 75 | 12.50 | 35,160 | 26,63 | 5.35 | 92 | 0.52 | *** | *** |

# DATA

# PART 2

# HYDROLOGY

# SURFACE SAMPLING

| VESSEL | CRUISE | STATION NUMBER | YR. | MTH. | DAY | TIME | Z | LATITUDE | | | LONGITUDE | | | TEMP. | SALINITY | WIND DN. | WIND AMT. | SEA DN. | SEA AMT. | SWELL DN. | SWELL AMT. | WEA. | VIS. | BAROM. | SAMPLING METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 2 | 43 | 61 | 2 | 21 | 1700 | K | 38 | 38 | S | 144 | 55 | E | 19.9 | 35.42 | | | | | | | | | | 1 |
| 20 | 2 | 44 | 61 | 2 | 21 | 1900 | K | 38 | 50 | S | 145 | 10 | E | | 35.41 | 00 | 0 | 00 | 0 | 00 | 0 | 7 | | 1007 | 1 |
| 20 | 2 | 45 | 61 | 2 | 21 | 2100 | K | 38 | 58 | S | 145 | 29 | E | | 35.36 | 99 | 1 | 00 | 0 | 00 | 0 | 8 | | 1009 | 1 |
| 20 | 2 | 46 | 61 | 2 | 21 | 2300 | K | 39 | 19 | S | 145 | 58 | E | | 35.40 | 00 | 0 | 00 | 0 | 00 | 0 | 8 | | 1007 | 1 |
| 20 | 2 | 47 | 61 | 2 | 22 | 0104 | K | 39 | 35 | S | 146 | 33 | E | | 35.49 | 18 | 2 | 18 | 2 | 20 | 1 | 8 | | 1007 | 1 |
| 20 | 2 | 48 | 61 | 2 | 22 | 0306 | K | 39 | 51 | S | 146 | 48 | E | | 35.40 | 18 | 2 | | | 20 | 1 | 8 | | 1006 | 1 |
| 20 | 2 | 49 | 61 | 2 | 22 | 0500 | K | 40 | 07 | S | 147 | 10 | E | | 35.45 | 01 | 2 | | | 01 | 1 | 7 | | 1011 | 1 |
| 20 | 2 | 50 | 61 | 2 | 22 | 0700 | K | 40 | 21 | S | 147 | 38 | E | | 35.50 | 07 | 3 | 07 | 2 | 08 | 1 | 7 | | 1009 | 1 |
| 20 | 2 | 51 | 61 | 2 | 22 | 0930 | K | 40 | 40 | S | 148 | 10 | E | 20.1 | 35.59 | 13 | 2 | | | 13 | 1 | 1 | | 1007 | 1 |
| 20 | 2 | 52 | 61 | 2 | 22 | 1137 | K | 40 | 43 | S | 148 | 36 | E | 20.4 | 35.58 | 01 | 2 | | | 06 | 1 | 7 | | 1006 | 1 |
| 20 | 2 | 53 | 61 | 2 | 22 | 1315 | K | 40 | 46 | S | 148 | 53 | E | 19.9 | 35.54 | 01 | 2 | | | 05 | 1 | 8 | | 1006 | 1 |
| 20 | 2 | 54 | 61 | 2 | 22 | 1645 | K | 40 | 24 | S | 149 | 01 | E | 21.1 | 35.71 | 02 | 3 | 02 | 2 | 02 | 1 | 7 | | 1004 | 1 |
| 20 | 2 | 55 | 61 | 2 | 22 | 2025 | K | 39 | 57 | S | 149 | 12 | E | 20.8 | 35.72 | 35 | 3 | 02 | 2 | 02 | 1 | 7 | | 1005 | 1 |
| 20 | 2 | 56 | 61 | 2 | 23 | 0130 | K | 39 | 31 | S | 148 | 46 | E | 20.8 | 35.70 | 03 | 5 | 03 | 2 | 05 | 1 | 8 | | 1001 | 1 |
| 20 | 2 | 57 | 61 | 2 | 23 | 0300 | K | 39 | 30 | S | 148 | 41 | E | 20.6 | 35.67 | 01 | 7 | 01 | 3 | 05 | 4 | 8 | | 1001 | 1 |
| 20 | 2 | 58 | 61 | 2 | 23 | 0410 | K | 39 | 28 | S | 148 | 29 | E | 19.8 | 35.56 | 02 | 4 | 02 | 3 | 04 | 1 | 8 | | 1001 | 1 |
| 20 | 2 | 59 | 61 | 2 | 23 | 0625 | K | 39 | 06 | S | 148 | 28 | E | 19.9 | 35.58 | 32 | 5 | 34 | 2 | 02 | 1 | 8 | | 1003 | 1 |
| 20 | 2 | 60 | 61 | 2 | 23 | 1000 | K | 38 | 40 | S | 148 | 19 | E | 19.0 | 35.43 | 25 | 4 | 25 | 2 | 25 | 1 | 8 | | 1006 | 1 |
| 20 | 2 | 61 | 61 | 2 | 23 | 1135 | K | 38 | 41 | S | 148 | 33 | E | 20.9 | 35.71 | 25 | 4 | 25 | 2 | 25 | 1 | 8 | | 1005 | 1 |
| 20 | 2 | 62 | 61 | 2 | 23 | 1330 | K | 38 | 41 | S | 148 | 47 | E | 21.1 | 35.72 | 24 | 3 | 24 | 2 | 26 | 1 | 8 | | 1005 | 1 |
| 20 | 2 | 63 | 61 | 2 | 23 | 1615 | K | 38 | 39 | S | 149 | 15 | E | 20.8 | 35.69 | 24 | 2 | 24 | 2 | 25 | 1 | 8 | | 1003 | 1 |
| 20 | 2 | 64 | 61 | 2 | 23 | 1915 | K | 38 | 39 | S | 149 | 44 | E | 22.0 | 35.71 | 24 | 2 | | | 25 | 1 | 8 | | 1004 | 1 |
| 20 | 2 | 65 | 61 | 2 | 23 | 2145 | K | 38 | 19 | S | 149 | 43 | E | 22.2 | 35.76 | 00 | 0 | | | 25 | 1 | 8 | | 1004 | 1 |
| 20 | 2 | 66 | 61 | 2 | 23 | 2350 | K | 38 | 06 | S | 149 | 45 | E | 19.7 | 35.45 | 14 | 0 | | | 25 | 1 | 7 | | 1005 | 1 |
| 20 | 2 | 67 | 61 | 2 | 24 | 0120 | K | 37 | 55 | S | 149 | 43 | E | 20.0 | 35.52 | 15 | 3 | | | 25 | 1 | 8 | | 1002 | 1 |
| 20 | 2 | 68 | 61 | 2 | 24 | 0300 | K | 37 | 57 | S | 149 | 22 | E | | | 16 | 3 | | | 25 | 1 | 8 | | 1002 | 1 |
| 20 | 2 | 69 | 61 | 2 | 24 | 0445 | K | 38 | 01 | S | 148 | 56 | E | 18.9 | 35.41 | 99 | 2 | | | 26 | 1 | 7 | | 1002 | 1 |
| 20 | 2 | 70 | 61 | 2 | 24 | 0712 | K | 38 | 05 | S | 148 | 28 | E | | | 34 | 2 | | | 27 | 1 | 8 | | 1003 | 1 |
| 20 | 2 | 71 | 61 | 2 | 24 | 0900 | K | 38 | 08 | S | 148 | 00 | E | 19.8 | 35.46 | 25 | 3 | 25 | 2 | 27 | 1 | 7 | | 1004 | 1 |
| 20 | 2 | 72 | 61 | 2 | 24 | 1200 | K | 38 | 28 | S | 147 | 38 | E | | | 21 | 3 | 21 | 2 | 27 | 1 | 7 | | 1003 | 1 |
| 20 | 2 | 73 | 61 | 2 | 24 | 1430 | K | 38 | 49 | S | 147 | 12 | E | 20.2 | 35.40 | 25 | 3 | 24 | 2 | 25 | 1 | 8 | | 1003 | 1 |
| 20 | 2 | 74 | 61 | 2 | 24 | 1640 | K | 39 | 06 | S | 147 | 14 | E | 20.0 | 35.51 | 24 | 3 | 24 | 2 | 24 | 1 | 8 | | 1002 | 1 |
| 20 | 2 | 75 | 61 | 2 | 24 | 1820 | K | 39 | 22 | S | 147 | 12 | E | 18.9 | 35.52 | 26 | 4 | 24 | 2 | 25 | 1 | 8 | | 1002 | 1 |
| 20 | 2 | 76 | 61 | 2 | 24 | 2020 | K | 39 | 38 | S | 147 | 12 | E | 19.8 | 35.54 | 26 | 4 | 26 | 2 | 24 | 1 | 8 | | 1002 | 1 |
| 20 | 2 | 77 | 61 | 2 | 24 | 2200 | K | 39 | 54 | S | 147 | 12 | E | 19.7 | 35.52 | 25 | 5 | 25 | 2 | 27 | 1 | 8 | | 1003 | 1 |
| 20 | 2 | 78 | 61 | 2 | 24 | 2335 | K | 40 | 10 | S | 147 | 12 | E | 19.7 | 35.46 | 27 | 5 | 27 | 2 | 29 | 1 | 8 | | 1002 | 1 |
| 20 | 2 | 79 | 61 | 2 | 25 | 0120 | K | 40 | 25 | S | 147 | 12 | E | 19.8 | 35.44 | 27 | 4 | 26 | 3 | 25 | 1 | 8 | | 1001 | 1 |
| 20 | 2 | 80 | 61 | 2 | 25 | 0307 | K | 40 | 42 | S | 147 | 12 | E | 19.8 | 35.54 | 25 | 6 | 25 | 4 | 24 | 4 | 7 | | 1002 | 1 |
| 20 | 2 | 81 | 61 | 2 | 25 | 0500 | K | 40 | 48 | S | 146 | 55 | E | 19.7 | 35.46 | 28 | 4 | 25 | 2 | 29 | 1 | 7 | | 1004 | 1 |
| 20 | 2 | 82 | 61 | 2 | 25 | 0720 | K | 40 | 54 | S | 146 | 28 | E | 19.7 | 35.48 | 28 | 4 | 28 | 2 | 28 | 1 | 8 | | 1002 | 1 |

| VESSEL | CRUISE | STATION NUMBER | YR. | MTH. | DAY | TIME Z | LATITUDE | LONGITUDE | TEMP. | SALINITY | WIND DN. | WIND AMT. | SEA DN. | SEA AMT. | SWELL DN. | SWELL AMT. | WEA. | VIS. | BAROM. | SAMPLING METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 2 | 83 | 61 | 2 | 25 | 0935 K | 40 35 S | 146 30 E | 19.7 | 35,49 | 26 | 4 | 26 | 2 | 27 | 4 | 8 | | 1002 | 1 |
| 20 | 2 | 84 | 61 | 2 | 25 | 1155 K | 40 15 S | 146 28 E | 19.8 | 35,52 | 26 | 6 | 26 | 2 | 25 | 4 | 8 | | 1003 | 1 |
| 20 | 2 | 85 | 61 | 2 | 25 | 1400 K | 39 55 S | 146 29 E | 19.8 | 35,53 | 25 | 5 | 25 | 3 | 24 | 1 | 8 | | 1005 | 1 |
| 20 | 2 | 86 | 61 | 2 | 25 | 1622 K | 39 34 S | 146 30 E | 19.7 | 35,29 | 25 | 5 | 25 | 3 | 24 | 4 | 8 | | 1006 | 1 |
| 20 | 2 | 87 | 61 | 2 | 25 | 1900 K | 39 11 S | 146 29 E | 19,1 | 35,40 | 25 | 5 | 25 | 2 | 25 | 1 | 7 | | 1007 | 1 |
| 20 | 2 | 88 | 61 | 2 | 25 | 2205 K | 39 00 S | 145 58 E | 19,7 | 35,43 | 22 | 4 | 22 | 3 | 21 | 1 | 8 | | 1010 | 1 |
| 20 | 2 | 89 | 61 | 2 | 26 | 0100 K | 38 47 S | 145 36 E | 19.3 | 35,35 | 25 | 5 | 26 | 4 | 25 | 1 | 8 | | 1009 | 1 |
| 20 | 2 | 90 | 61 | 2 | 26 | 0300 K | 39 05 S | 145 36 E | 19,6 | 35,49 | 25 | 6 | 25 | 4 | 25 | 4 | 8 | | 1009 | 1 |
| 20 | 2 | 91 | 61 | 2 | 26 | 0445 K | 39 26 S | 145 33 E | 19,5 | 35,50 | 23 | 5 | 23 | 2 | 23 | 1 | 7 | | 1010 | 1 |
| 20 | 2 | 92 | 61 | 2 | 26 | 0725 K | 39 46 S | 145 33 E | 19,3 | 35,55 | 21 | 5 | 21 | 2 | 21 | 4 | 8 | | 1012 | 1 |
| 20 | 2 | 93 | 61 | 2 | 26 | 0930 K | 40 03 S | 145 30 E | 19,3 | 35,57 | 21 | 5 | 21 | 2 | 21 | 4 | 8 | | 1013 | 1 |
| 20 | 2 | 94 | 61 | 2 | 26 | 1240 K | 40 28 S | 145 29 E | 19,4 | 35,61 | 22 | 4 | 22 | 2 | 23 | 1 | 8 | | 1013 | 1 |
| 20 | 2 | 95 | 61 | 2 | 26 | 1540 K | 40 15 S | 145 07 E | 19,2 | 35,48 | 23 | 6 | 23 | 3 | 23 | 1 | 8 | | 1011 | 1 |
| 20 | 2 | 96 | 61 | 2 | 26 | 1815 K | 40 12 S | 144 42 E | 17,4 | 35,26 | 20 | 5 | 22 | 4 | 22 | 4 | 8 | | 1015 | 1 |
| 20 | 2 | 97 | 61 | 2 | 26 | 2000 K | 40 00 S | 144 33 E | 18,0 | 35,33 | 22 | 4 | 22 | 3 | 23 | 1 | 7 | | 1016 | 1 |
| 20 | 2 | 98 | 61 | 2 | 26 | 2135 K | 39 45 S | 144 22 E | 18,0 | 35,52 | 17 | 4 | 17 | 3 | 18 | 1 | 8 | | 1016 | 1 |
| 20 | 2 | 99 | 61 | 2 | 26 | 2320 K | 39 29 S | 144 10 E | 17,9 | 35,33 | 18 | 4 | 18 | 3 | 17 | 1 | 7 | | 1016 | 1 |
| 20 | 2 | 100 | 61 | 2 | 27 | 0120 K | 39 08 S | 143 57 E | 19,4 | 35,48 | 17 | 4 | 17 | 2 | 17 | 1 | 8 | | 1015 | 1 |
| 20 | 2 | 101 | 61 | 2 | 27 | 0315 K | 38 54 S | 143 44 E | 18,3 | 35,42 | 18 | 4 | 17 | 2 | 20 | 1 | 8 | | 1015 | 1 |
| 20 | 2 | 102 | 61 | 2 | 27 | 0535 K | 39 08 S | 143 32 E | 19,1 | 35,48 | 18 | 4 | 22 | 3 | 22 | 1 | 8 | | 1017 | 1 |
| 20 | 2 | 103 | 61 | 2 | 27 | 0800 K | 39 25 S | 143 19 E | 18,8 | 35,40 | 18 | 5 | 20 | 3 | 20 | 1 | 8 | | 1017 | 1 |
| 20 | 2 | 104 | 61 | 2 | 27 | 1001 K | 39 43 S | 143 03 E | 18,6 | 35,41 | 18 | 5 | 20 | 3 | 20 | 1 | 8 | | 1017 | 1 |
| 20 | 2 | 105 | 61 | 2 | 27 | 1130 K | 39 46 S | 142 56 E | 18,3 | 35,37 | 18 | 5 | 20 | 3 | 20 | 1 | 8 | | 1017 | 1 |
| 20 | 2 | 107 | 61 | 2 | 27 | 1840 K | 39 51 S | 141 17 E | | 35,12 | 15 | 6 | 15 | 4 | 18 | 1 | 8 | | 1017 | 1 |
| 20 | 2 | 108 | 61 | 2 | 28 | 0945 K | 39 52 S | 137 26 E | 18,0 | 35,30 | 14 | 4 | 13 | 3 | 13 | 4 | 7 | | 1018 | 1 |
| 20 | 2 | 106 | 61 | 2 | 27 | 1535 K | 39 48 S | 142 08 E | | 35,26 | 16 | 5 | 16 | 3 | 18 | 4 | 8 | | 1015 | 1 |
| 20 | 2 | 109 | 61 | 2 | 28 | 2205 K | 38 03 S | 137 49 E | | 35,26 | 14 | 5 | 15 | 3 | 16 | 4 | 8 | | 1015 | 1 |
| 20 | 2 | 110 | 61 | 3 | 1 | 0100 K | 37 33 S | 137 53 E | 19,3 | 35,40 | 13 | 4 | 13 | 3 | 13 | 4 | 8 | | 1015 | 1 |
| 20 | 2 | 111 | 61 | 3 | 1 | 0420 K | 37 04 S | 137 58 E | 19,4 | 35,57 | 13 | 4 | 13 | 3 | 13 | 4 | 8 | | 1013 | 1 |
| 20 | 2 | 112 | 61 | 3 | 1 | 0710 J | 36 34 S | 138 03 E | 20,0 | 35,76 | 15 | 5 | 15 | 2 | 15 | 4 | 8 | | 1013 | 1 |
| 20 | 2 | 113 | 61 | 3 | 1 | 1030 J | 35 56 S | 138 12 E | 19,9 | 35,66 | 15 | 4 | 15 | 2 | 15 | 4 | 8 | | 1014 | 1 |
| 20 | 2 | 114 | 61 | 3 | 1 | 1250 J | 35 41 S | 138 00 E | | 35,75 | 16 | 4 | 14 | 2 | 15 | 4 | 8 | | 1014 | 1 |
| 20 | 2 | 115 | 61 | 3 | 4 | 1225 J | 34 54 S | 138 17 E | 22,3 | 37,41 | 99 | 1 | 00 | 0 | 00 | 0 | 8 | | | 1 |
| 20 | 2 | 116 | 61 | 3 | 4 | 1340 J | 35 04 S | 138 10 E | 22,2 | 36,94 | 99 | 1 | 00 | 0 | 00 | 0 | 8 | | 1016 | 1 |
| 20 | 2 | 117 | 61 | 3 | 4 | 1430 J | 35 10 S | 138 05 E | 22,3 | 36,87 | 99 | 1 | 00 | 0 | 00 | 0 | 8 | | 1016 | 1 |
| 20 | 2 | 118 | 61 | 3 | 4 | 1540 J | 35 13 S | 137 54 E | 21,1 | 36,33 | 20 | 3 | | | | | 8 | | 1015 | 1 |
| 20 | 2 | 119 | 61 | 3 | 4 | 1705 J | 35 17 S | 137 41 E | 21,2 | 36,29 | 20 | 3 | 14 | 2 | 14 | 1 | 8 | | 1014 | 1 |
| 20 | 2 | 120 | 61 | 3 | 4 | 1859 J | 35 25 S | 137 17 E | 20,7 | 36,15 | 12 | 4 | 12 | 2 | 12 | 1 | 8 | | 1016 | 1 |
| 20 | 2 | 121 | 61 | 3 | 4 | 2045 J | 35 33 S | 136 54 E | 20,2 | 36,16 | 12 | 3 | 14 | 2 | 00 | 0 | 8 | | 1016 | 1 |
| 20 | 2 | 122 | 61 | 3 | 4 | 2315 J | 35 40 S | 136 31 E | 18,7 | 35,73 | 10 | 4 | 12 | 3 | 00 | 0 | 8 | | 1015 | 1 |

| VESSEL | CRUISE | STATION NUMBER | YR. | MTH. | DAY | TIME Z | LATITUDE | LONGITUDE | TEMP. | SALINITY | WIND DN. | WIND AMT. | SEA DN. | SEA AMT. | SWELL DN. | SWELL AMT. | WEA. | VIS. | BAROM. | SAMPLING METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 2 | 123 | 61 | 3 | 5 | 0100 | J 35 47 S | 136 10 E | 19.4 | 35.71 | 11 | 2 | 00 | 0 | 12 | 1 | | 8 | 1016 | 1 |
| 20 | 2 | 124 | 61 | 3 | 5 | 0310 | J 35 55 S | 135 46 E | 19.7 | 35.64 | 09 | 3 | 00 | 0 | 12 | 1 | | 8 | 1015 | 1 |
| 20 | 2 | 125 | 61 | 3 | 5 | 0505 | J 36 03 S | 135 23 E | 19.6 | 35.56 | 12 | 3 | 13 | 2 | 13 | 1 | | 7 | 1015 | 1 |
| 20 | 2 | 126 | 61 | 3 | 5 | 0720 | J 36 10 S | 135 00 E | 19.7 | 35.65 | 11 | 3 | 11 | 2 | 10 | 1 | | 7 | 1016 | 1 |
| 20 | 2 | 127 | 61 | 3 | 5 | 1012 | J 35 53 S | 134 36 E | | | 09 | 3 | | | 10 | 1 | | 8 | 1016 | 1 |
| 20 | 2 | 128 | 61 | 3 | 5 | 1210 | J 35 35 S | 134 10 E | | | 09 | 3 | | | 09 | 1 | | 8 | 1015 | 1 |
| 20 | 2 | 129 | 61 | 3 | 5 | 1415 | J 35 19 S | 133 45 E | | | 09 | 2 | | | 10 | 1 | | 8 | 1014 | 1 |
| 20 | 2 | 130 | 61 | 3 | 5 | 1615 | J 35 04 S | 133 22 E | 20.7 | 35.98 | 14 | 3 | 14 | 2 | 14 | 1 | | 8 | 1013 | 1 |
| 20 | 2 | 131 | 61 | 3 | 5 | 1830 | J 34 45 S | 133 33 E | 20.5 | 35.78 | 13 | 4 | 12 | 3 | 00 | 0 | | 8 | 1013 | 1 |
| 20 | 2 | 132 | 61 | 3 | 5 | 2030 | J 34 29 S | 133 50 E | 20.4 | 35.72 | 13 | 4 | 00 | 0 | 11 | 1 | | 8 | 1014 | 1 |
| 20 | 2 | 133 | 61 | 3 | 5 | 2215 | J 34 09 S | 133 55 E | 20.2 | 35.72 | 15 | 4 | 00 | 0 | 13 | 1 | | 8 | 1013 | 1 |
| 20 | 2 | 134 | 61 | 3 | 6 | 0012 | J 33 46 S | 134 02 E | 19.8 | 35.71 | 13 | 5 | 13 | 2 | 13 | 1 | | 8 | 1013 | 1 |
| 20 | 2 | 135 | 61 | 3 | 6 | 0220 | J 33 33 S | 134 13 E | 18.2 | 35.63 | 12 | 4 | 12 | 2 | 11 | 1 | | 8 | 1012 | 1 |
| 20 | 2 | 136 | 61 | 3 | 6 | 0420 | J 33 20 S | 133 55 E | | | 10 | 4 | 10 | 2 | 11 | 1 | | 8 | 1012 | 1 |
| 20 | 2 | 137 | 61 | 3 | 6 | 0600 | J 33 05 S | 133 36 E | | | 10 | 4 | 10 | 2 | 11 | 1 | | 8 | 1013 | 1 |
| 20 | 2 | 138 | 61 | 3 | 6 | 0740 | J 32 51 S | 133 16 E | | | 09 | 4 | 10 | 2 | 11 | 1 | | 8 | 1015 | 1 |
| 20 | 2 | 139 | 61 | 3 | 6 | 0930 | J 32 38 S | 132 57 E | 19.5 | 35.69 | 11 | 4 | 11 | 2 | 18 | 1 | | 8 | 1014 | 1 |
| 20 | 2 | 140 | 61 | 3 | 6 | 1110 | J 32 54 S | 132 46 E | 20.1 | 35.71 | 08 | 3 | 11 | 2 | 12 | 1 | | 8 | 1014 | 1 |
| 20 | 2 | 141 | 61 | 3 | 6 | 1305 | J 33 09 S | 132 31 E | 20.5 | 35.74 | 13 | 4 | 13 | 2 | 16 | 1 | | 8 | 1014 | 1 |
| 20 | 2 | 142 | 61 | 3 | 6 | 1515 | J 33 29 S | 132 26 E | 21.5 | 36.12 | 11 | 4 | 11 | 2 | 14 | 1 | | 8 | 1014 | 1 |
| 20 | 2 | 143 | 61 | 3 | 6 | 1720 | J 33 43 S | 132 10 E | 21.5 | 36.09 | 10 | 2 | 00 | 0 | 15 | 4 | | 8 | 1014 | 1 |
| 20 | 2 | 144 | 61 | 3 | 6 | 1740 | J 33 47 S | 132 08 E | 21.5 | 36.10 | 10 | 2 | 00 | 0 | 15 | 4 | | 8 | 1014 | 1 |
| 20 | 2 | 145 | 61 | 3 | 6 | 2011 | J 33 41 S | 131 45 E | | | 15 | 3 | 00 | 0 | 15 | 1 | | 8 | 1014 | 1 |
| 20 | 2 | 146 | 61 | 3 | 6 | 2150 | J 33 38 S | 131 19 E | | | 15 | 2 | 00 | 0 | 15 | 1 | | 8 | 1014 | 1 |
| 20 | 2 | 147 | 61 | 3 | 6 | 2342 | J 33 30 S | 130 52 E | 20.9 | 35.86 | 14 | 1 | 00 | 2 | 14 | 1 | | 8 | 1014 | 1 |
| 20 | 2 | 148 | 61 | 3 | 7 | 0245 | J 33 00 S | 131 00 E | 21.6 | 36.27 | 00 | 0 | 00 | 0 | 14 | 1 | | 8 | 1013 | 1 |
| 20 | 2 | 149 | 61 | 3 | 7 | 0436 | J 32 41 S | 131 05 E | 21.5 | 36.31 | 00 | 0 | 00 | 0 | 11 | 1 | | 8 | 1013 | 1 |
| 20 | 2 | 150 | 61 | 3 | 7 | 0636 | J 32 21 S | 131 10 E | 20.6 | 35.88 | 09 | 2 | 00 | 0 | 12 | 1 | | 8 | 1016 | 1 |
| 20 | 2 | 151 | 61 | 3 | 7 | 0830 | J 31 58 S | 131 16 E | 20.2 | 35.84 | 00 | 0 | 00 | 0 | 15 | 1 | | 8 | 1017 | 1 |
| 20 | 2 | 152 | 61 | 3 | 7 | 1112 | J 32 01 S | 130 47 E | | | 00 | 0 | 00 | 0 | 00 | 0 | | 8 | 1017 | 1 |
| 20 | 2 | 153 | 61 | 3 | 7 | 1309 | J 32 04 S | 130 18 E | | | 20 | 3 | 00 | 0 | 18 | 1 | | 8 | 1016 | 1 |
| 20 | 2 | 154 | 61 | 3 | 7 | 1510 | J 32 09 S | 129 49 E | | | 14 | 3 | 00 | 0 | 16 | 1 | | 8 | 1016 | 1 |
| 20 | 2 | 155 | 61 | 3 | 7 | 1700 | J 32 12 S | 129 18 E | 22.0 | 36.43 | 14 | 4 | 13 | 2 | 00 | 0 | | 8 | 1015 | 1 |
| 20 | 2 | 156 | 61 | 3 | 7 | 1901 | J 32 34 S | 129 20 E | 22.1 | 36.38 | 12 | 4 | 12 | 2 | 18 | 1 | | 8 | 1015 | 1 |
| 20 | 2 | 157 | 61 | 3 | 7 | 2050 | J 32 52 S | 129 18 E | 22.2 | 36.32 | 10 | 2 | 00 | 0 | 14 | 1 | | 8 | 1016 | 1 |
| 20 | 2 | 158 | 61 | 3 | 7 | 2245 | J 33 13 S | 129 20 E | 21.5 | 36.07 | 09 | 3 | 00 | 0 | 13 | 1 | | 8 | 1016 | 1 |
| 20 | 2 | 159 | 61 | 3 | 8 | 0045 | J 33 32 S | 129 21 E | 21.3 | 35.96 | 07 | 3 | 07 | 2 | 13 | 1 | | 8 | 1016 | 1 |
| 20 | 2 | 160 | 61 | 3 | 8 | 0135 | J 33 34 S | 129 21 E | | | 07 | 3 | 07 | 2 | 13 | 1 | | 8 | 1016 | 1 |
| 20 | 2 | 161 | 61 | 3 | 8 | 0323 | J 33 35 S | 128 49 E | | | 07 | 3 | 07 | 2 | 13 | 1 | | 8 | 1015 | 1 |
| 20 | 2 | 162 | 61 | 3 | 8 | 0506 | J 33 35 S | 128 19 E | | | 05 | 3 | 04 | 2 | 19 | 1 | | 8 | 1014 | 1 |

| VESSEL | CRUISE | STATION NUMBER | YR. | MTH. | DAY | TIME Z | LATITUDE | LONGITUDE | TEMP. | SALINITY | WIND DN. | WIND AMT. | SEA DN. | SEA AMT. | SWELL DN. | SWELL AMT. | WEA. | VIS. | BAROM. | SAMPLING METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 2 | 163 | 61 | 3 | 8 | 0645 J | 33 37 S | 127 50 E | | | 03 | 4 | 03 | 2 | 04 | 1 | 8 | 1014 | | 1 |
| 20 | 2 | 164 | 61 | 3 | 8 | 0738 J | 33 37 S | 127 38 E | 20.9 | 35,80 | 03 | 4 | 03 | 2 | 04 | 1 | 8 | 1014 | | 1 |
| 20 | 2 | 165 | 61 | 3 | 8 | 1005 J | 33 20 S | 127 36 E | 21.0 | 35,83 | 04 | 4 | 04 | 2 | 03 | 1 | 8 | 1015 | | 1 |
| 20 | 2 | 166 | 61 | 3 | 8 | 1200 J | 32 57 S | 127 33 E | 21.9 | 36,36 | 04 | 2 | 04 | 2 | 06 | 1 | 8 | 1016 | | 1 |
| 20 | 2 | 167 | 61 | 3 | 8 | 1330 J | 32 44 S | 127 31 E | 22.3 | 36,38 | 07 | 4 | 07 | 3 | 09 | 1 | 8 | 1016 | | 1 |
| 20 | 2 | 168 | 61 | 3 | 8 | 1500 J | 32 34 S | 127 30 E | 22.5 | 36,43 | 09 | 4 | 07 | 3 | 09 | 1 | 8 | 1014 | | 1 |
| 20 | 2 | 169 | 61 | 3 | 8 | 1702 J | 32 38 S | 127 00 E | | | 04 | 3 | 04 | 2 | 06 | 1 | 8 | 1013 | | 1 |
| 20 | 2 | 170 | 61 | 3 | 8 | 1836 J | 32 42 S | 126 36 E | | | 21 | 3 | 04 | 2 | 07 | 1 | 8 | 1015 | | 1 |
| 20 | 2 | 171 | 61 | 3 | 8 | 2025 J | 32 45 S | 126 08 E | | | 23 | 4 | 22 | 3 | 00 | 0 | 7 | 1017 | | 1 |
| 20 | 2 | 172 | 61 | 3 | 8 | 2215 J | 32 50 S | 125 40 E | 21.6 | 36,39 | 19 | 5 | 19 | 4 | 00 | 0 | 7 | 1017 | | 1 |
| 20 | 2 | 173 | 61 | 3 | 9 | 0010 J | 33 10 S | 125 48 E | 21.5 | 36,00 | 19 | 8 | 19 | 2 | 19 | 1 | 7 | 1022 | | 1 |
| 20 | 2 | 174 | 61 | 3 | 9 | 0230 J | 33 31 S | 125 54 E | 21.4 | 36,18 | 16 | 6 | 16 | 2 | 17 | 4 | 7 | 1021 | | 1 |
| 20 | 2 | 175 | 61 | 3 | 9 | 0445 J | 33 51 S | 126 00 E | 20.7 | 35,71 | 15 | 7 | 15 | 3 | 16 | 4 | 7 | 1022 | | 1 |
| 20 | 2 | 176 | 61 | 3 | 10 | 0130 J | 36 51 S | 129 35 E | 19.2 | 35,37 | 13 | 6 | 14 | 4 | 15 | 4 | 8 | 1030 | | 1 |
| 20 | 2 | 177 | 61 | 3 | 10 | 2045 J | 36 15 S | 133 35 E | 19.2 | 35,43 | 14 | 4 | 14 | 3 | 15 | 4 | 8 | 1031 | | 1 |
| 20 | 2 | 178 | 61 | 3 | 11 | 0800 J | 36 39 S | 135 32 E | | | 14 | 4 | 12 | 3 | 15 | 4 | 8 | 1029 | | 1 |
| 20 | 2 | 179 | 61 | 3 | 11 | 1335 J | 36 58 S | 136 56 E | 19.1 | 35,46 | 14 | 4 | 14 | 2 | 17 | 4 | 8 | 1027 | | 1 |
| 20 | 2 | 180 | 61 | 3 | 11 | 1630 J | 36 53 S | 137 26 E | 19.4 | 35,75 | 15 | 4 | 13 | 2 | 20 | 4 | 8 | 1025 | | 1 |
| 20 | 2 | 181 | 61 | 3 | 11 | 1900 J | 36 48 S | 137 49 E | 19.4 | 35,79 | 14 | 7 | 14 | 4 | 16 | 4 | 7 | 1025 | | 1 |
| 20 | 2 | 182 | 61 | 3 | 11 | 2135 J | 36 39 S | 138 22 E | 17.8 | 35,41 | 15 | 6 | 15 | 3 | 16 | 4 | 7 | 1024 | | 1 |
| 20 | 2 | 183 | 61 | 3 | 11 | 2355 J | 36 30 S | 138 51 E | 18.5 | 35,48 | 14 | 6 | 14 | 3 | 16 | 4 | 7 | 1024 | | 1 |
| 20 | 2 | 184 | 61 | 3 | 12 | 0220 J | 36 23 S | 139 18 E | 16.5 | 35,41 | 14 | 5 | 15 | 3 | 14 | 1 | 8 | 1022 | | 1 |
| 20 | 2 | 185 | 61 | 3 | 12 | 0500 J | 36 53 S | 139 26 E | | | 13 | 5 | 13 | 2 | 17 | 1 | 7 | 1023 | | 1 |
| 20 | 2 | 186 | 61 | 3 | 12 | 0700 J | 37 18 S | 139 30 E | | | 10 | 5 | 15 | 2 | 15 | 1 | 8 | 1025 | | 1 |
| 20 | 2 | 187 | 61 | 3 | 12 | 0945 J | 37 39 S | 140 02 E | 14.8 | 35,23 | 17 | 4 | 00 | 0 | 17 | 1 | 8 | 1024 | | 1 |
| 20 | 2 | 188 | 61 | 3 | 12 | 1100 J | 37 45 S | 139 56 E | 17.2 | 35,33 | 17 | 4 | 00 | 0 | 17 | 4 | 8 | 1024 | | 1 |
| 20 | 2 | 189 | 61 | 3 | 12 | 1230 J | 37 55 S | 139 43 E | 17.7 | 35,35 | 14 | 4 | 14 | 2 | 17 | 1 | 8 | 1023 | | 1 |
| 20 | 2 | 190 | 61 | 3 | 12 | 1450 J | 38 06 S | 140 02 E | | | 13 | 4 | 13 | 2 | 15 | 1 | 8 | 1021 | | 1 |
| 20 | 2 | 191 | 61 | 3 | 12 | 1640 J | 38 18 S | 140 25 E | | | 17 | 5 | 17 | 2 | 18 | 4 | 8 | 1021 | | 1 |
| 20 | 2 | 192 | 61 | 3 | 12 | 1825 J | 38 32 S | 140 50 E | | | 14 | 2 | 14 | 3 | 00 | 0 | 8 | 1019 | | 1 |
| 20 | 2 | 193 | 61 | 3 | 12 | 2010 J | 38 45 S | 141 13 E | 17.6 | 35,35 | 10 | 3 | 10 | 2 | 15 | 1 | 8 | 1020 | | 1 |
| 20 | 2 | 194 | 61 | 3 | 12 | 2200 J | 38 33 S | 141 19 E | | 35,40 | 10 | 3 | 10 | 2 | 15 | 1 | 8 | 1021 | | 1 |
| 20 | 2 | 195 | 61 | 3 | 12 | 2300 J | 38 26 S | 141 22 E | 16.9 | 35,34 | 09 | 3 | 09 | 2 | 15 | 1 | 8 | 1019 | | 1 |
| 20 | 2 | 196 | 61 | 3 | 13 | 1315 K | 39 07 S | 144 47 E | | | 08 | 4 | 08 | 2 | 11 | 1 | 8 | 1018 | | 1 |
| 20 | 2 | 197 | 61 | 3 | 13 | 2030 K | 39 10 S | 146 30 E | | | 04 | 4 | 04 | 3 | 04 | 1 | 8 | 1019 | | 1 |
| 20 | 2 | 198 | 61 | 3 | 14 | 0950 K | 37 54 S | 149 38 E | | | 04 | 4 | 04 | 2 | 04 | 1 | 8 | 1020 | | 1 |

# DATA

# PART 3

# PRIMARY PRODUCTION

## EXPLANATION OF HEADINGS

| Part 3 | Primary Production |
|---|---|
| STATION | Gives the station identification. For example, G2/43/61 signifies the 43rd station worked by Gascoyne in 1961, on her 2nd cruise for that year |
| DATE | Given as day/month/year |
| TIME | Given in Zone Time (Table 2, p. 14) |
| LATITUDE LONGITUDE | Given in degrees and minutes |
| INCUBATION METHOD | Artificial constant light incubation |
| $^{14}C$ STOCK | Stock number used |
| ACTIVITY CPM | Activity of $^{14}C$ stock used, recorded in counts per minute |
| BACKGROUND | Background count is recorded in counts per minute |
| DEPTH | Depth of sampling in metres |
| LIGHT | The counts per minute of the filter from the clear bottle |
| DARK | The counts per minute of the filter from the dark bottle. If the DARK count is more than 50 cpm and also more than 10% of the LIGHT count, it is considered aberrant, is not used, and the symbol "B" placed after it |
| DARK USED | This is usually the same as the DARK count. If the DARK count is aberrant the mean of all the dark counts for samples from that station is used (Symbol "E") |
| NETT | The difference between LIGHT and DARK USED |

| | |
|---|---|
| INC. PER. | Incubation period |
| PRODUCTION A | The calculated rate of production in mg of carbon per hour per cubic metre |
| PRODUCTION B | The integrated production under one square metre from the surface to the given depth in g of carbon per day per square metre. A day has been taken to equal 10 hours |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/126/61 | 5/ 3/61 | 0810 I | 36 10 S | 135 00 E |

| INCUBATION METHOD | PERIOD | 14C STOCK | ACTIVITY CPM | BACKGROUND |
|---|---|---|---|---|
| ARTIFICIAL CONSTANT LIGHT 0 | 4 HOURS | NO. 7 | 10.02 MILLION | 15 CPM |

| DEPTH M | LIGHT CPM | DARK CPM | DARK USED CPM | NETT CPM | INC. PER. HOURS | PRODUCTION A MG.C/HR./CU.M. | PRODUCTION B G.C/DAY/SQ.M. |
|---|---|---|---|---|---|---|---|
| 0 | 266 | 14 | 14 | 252 | 04.00 | 00.15 | 00.00 |
| 25 | 231 | 49 | 49 | 182 | 04.00 | 00.11 | 00.03 |
| 50 | 302 | 20 | 20 | 282 | 04.00 | 00.17 | 00.07 |
| 75 | 457 | 121 B | 24 E | 433 | 04.00 | 00.27 | 00.12 |
| 100 | 89 | 21 | 21 | 68 | 04.00 | 00.04 | 00.16 |
| 150 | 47 | 16 | 16 | 31 | 04.00 | 00.02 | 00.18 |

B ABERRANT VALUE, NOT USED
E MEAN NON-ABERRANT DARK USED

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/130/61 | 5/ 3/61 | 1620 I | 35 04 S | 133 22 E |

| INCUBATION METHOD | PERIOD | 14C STOCK | ACTIVITY CPM | BACKGROUND |
|---|---|---|---|---|
| ARTIFICIAL CONSTANT LIGHT 0 | 4 HOURS | NO. 7 | 10.02 MILLION | 15 CPM |

| DEPTH M | LIGHT CPM | DARK CPM | DARK USED CPM | NETT CPM | INC. PER. HOURS | PRODUCTION A MG.C/HR./CU.M. | PRODUCTION B G.C/DAY/SQ.M. |
|---|---|---|---|---|---|---|---|
| 0 | 179 | 23 | 23 | 156 | 04.00 | 00.10 | 00.00 |
| 25 | 225 | 34 | 34 | 191 | 04.00 | 00.12 | 00.03 |
| 50 | 400 | 20 | 20 | 380 | 04.00 | 00.23 | 00.07 |
| 75 | 353 | 2 | 2 | 351 | 04.00 | 00.21 | 00.13 |
| 100 | 108 | 10 | 10 | 98 | 04.00 | 00.06 | 00.16 |
| 150 | 776 | 47 | 47 | 729 | 04.00 | 00.45 | 00.29 |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/139/61 | 6/ 3/61 | 0915 I | 32 38 S | 132 57 E |

| INCUBATION METHOD | PERIOD | 14C STOCK | ACTIVITY CPM | BACKGROUND |
|---|---|---|---|---|
| ARTIFICIAL CONSTANT LIGHT 0 | 4 HOURS | NO. 7 | 10.02 MILLION | 15 CPM |

| DEPTH M | LIGHT CPM | DARK CPM | DARK USED CPM | NETT CPM | INC. PER. HOURS | PRODUCTION A MG.C/HR./CU.M. | PRODUCTION B G.C/DAY/SQ.M. |
|---|---|---|---|---|---|---|---|
| 0 | 827 | 21 | 21 | 806 | 04.00 | 00.49 | 00.00 |
| 10 | 1046 | 32 | 32 | 1014 | 04.00 | 00.62 | 00.06 |
| 20 | 951 | 30 | 30 | 921 | 04.00 | 00.56 | 00.11 |
| 30 | 901 | 67 | 67 | 834 | 04.00 | 00.51 | 00.17 |
| 40 | 842 | 15 | 15 | 827 | 04.00 | 00.51 | 00.22 |
| 50 | 1392 | 52 | 52 | 1340 | 04.00 | 00.82 | 00.29 |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/144/61 | 6/ 3/61 | 1805 I | 33 47 S | 132 08 E |

| INCUBATION METHOD | PERIOD | 14C STOCK | ACTIVITY CPM | BACKGROUND |
|---|---|---|---|---|
| ARTIFICIAL CONSTANT LIGHT 0 | 4 HOURS | NO. 7 | 10.02 MILLION | 15 CPM |

| DEPTH M | LIGHT CPM | DARK CPM | DARK USED CPM | NETT CPM | INC. PER. HOURS | PRODUCTION A MG.C/HR./CU.M. | PRODUCTION B G.C/DAY/SQ.M. |
|---|---|---|---|---|---|---|---|
| 0 | 375 | 59 B | 23 E | 352 | 04.00 | 00.22 | 00.00 |
| 25 | 447 | 82 B | 23 E | 424 | 04.00 | 00.26 | 00.06 |
| 50 | 696 | 46 | 46 | 650 | 04.00 | 00.40 | 00.14 |
| 75 | 272 | 12 | 12 | 260 | 04.00 | 00.16 | 00.21 |
| 100 | 88 | 13 | 13 | 75 | 04.00 | 00.05 | 00.24 |
| 150 | 69 | 58 B | 23 E | 46 | 04.00 | 00.03 | 00.26 |

B ABERRANT VALUE, NOT USED
E MEAN NON-ABERRANT DARK USED

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/151/61 | 7/ 3/61 | 0840 I | 31 58 S | 131 16 E |

| INCUBATION METHOD | PERIOD | 14C STOCK | ACTIVITY CPM | BACKGROUND |
|---|---|---|---|---|
| ARTIFICIAL CONSTANT LIGHT 0 | 4 HOURS | NO. 7 | 10.02 MILLION | 15 CPM |

| DEPTH M | LIGHT CPM | DARK CPM | DARK USED CPM | NETT CPM | INC. PER. HOURS | PRODUCTION A MG.C/HR./CU.M. | PRODUCTION B G.C/DAY/SQ.M. |
|---|---|---|---|---|---|---|---|
| 0 | 453 | 29 | 29 | 424 | 04.00 | 00.26 | 00.00 |
| 10 | 520 | 38 | 38 | 482 | 04.00 | 00.30 | 00.03 |
| 20 | 500 | 26 | 26 | 474 | 04.00 | 00.29 | 00.06 |
| 30 | 833 | 29 | 29 | 804 | 04.00 | 00.49 | 00.10 |
| 40 | 1437 | 20 | 20 | 1417 | 04.00 | 00.87 | 00.16 |
| 50 | 1215 | 47 | 47 | 1168 | 04.00 | 00.72 | 00.24 |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/155/61 | 7/ 3/61 | 1705 I | 32 12 S | 129 18 E |

| INCUBATION METHOD | PERIOD | 14C STOCK | ACTIVITY CPM | BACKGROUND |
|---|---|---|---|---|
| ARTIFICIAL CONSTANT LIGHT 0 | 4 HOURS | NO. 7 | 10.02 MILLION | 15 CPM |

| DEPTH M | LIGHT CPM | DARK CPM | DARK USED CPM | NETT CPM | INC. PER. HOURS | PRODUCTION A MG.C/HR./CU.M. | PRODUCTION B G.C/DAY/SQ.M. |
|---|---|---|---|---|---|---|---|
| 0 | 330 | 27 | 27 | 303 | 04.00 | 00.19 | 00.00 |
| 10 | 475 | 49 | 49 | 426 | 04.00 | 00.26 | 00.02 |
| 20 | 498 | 60 B | 40 E | 458 | 04.00 | 00.28 | 00.05 |
| 30 | 582 | 72 B | 40 E | 542 | 04.00 | 00.33 | 00.08 |
| 40 | 1381 | 46 | 46 | 1335 | 04.00 | 00.82 | 00.14 |

B ABERRANT VALUE, NOT USED
E MEAN NON-ABERRANT DARK USED

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/164/61 | 8/ 3/61 | 0810 I | 33 37 S | 127 38 E |

| INCUBATION METHOD | PERIOD | 14C STOCK | ACTIVITY CPM | BACKGROUND |
|---|---|---|---|---|
| ARTIFICIAL CONSTANT LIGHT 0 | 4 HOURS | NO. 7 | 10.02 MILLION | 15 CPM |

| DEPTH M | LIGHT CPM | DARK CPM | DARK USED CPM | NETT CPM | INC. PER. HOURS | PRODUCTION A MG.C/HR./CU.M. | PRODUCTION B G.C/DAY/SQ.M. |
|---|---|---|---|---|---|---|---|
| 0 | 309 | 16 | 16 | 293 | 04.00 | 00.18 | 00.00 |
| 25 | 315 | 19 | 19 | 296 | 04.00 | 00.18 | 00.05 |
| 50 | 450 | 33 | 33 | 417 | 04.00 | 00.26 | 00.10 |
| 75 | 440 | 9 | 9 | 431 | 04.00 | 00.26 | 00.17 |
| 100 | 58 | 9 | 9 | 49 | 04.00 | 00.03 | 00.20 |
| 150 | 104 | 18 | 18 | 86 | 04.00 | 00.05 | 00.22 |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/167/61 | 8/ 3/61 | 1340 I | 32 44 S | 127 31 E |

| INCUBATION METHOD | PERIOD | 14C STOCK | ACTIVITY CPM | BACKGROUND |
|---|---|---|---|---|
| ARTIFICIAL CONSTANT LIGHT 0 | 4 HOURS | NO. 7 | 10.02 MILLION | 15 CPM |

| DEPTH M | LIGHT CPM | DARK CPM | DARK USED CPM | NETT CPM | INC. PER. HOURS | PRODUCTION A MG.C/HR./CU.M. | PRODUCTION B G.C/DAY/SQ.M. |
|---|---|---|---|---|---|---|---|
| 0 | 798 | 21 | 21 | 777 | 04.00 | 00.48 | 00.00 |
| 10 | 962 | 25 | 25 | 937 | 04.00 | 00.57 | 00.05 |
| 20 | 1066 | 136 B | 21 E | 1045 | 04.00 | 00.64 | 00.11 |
| 30 | 1419 | 194 B | 21 E | 1398 | 04.00 | 00.86 | 00.19 |
| 45 | 1083 | 18 | 18 | 1065 | 04.00 | 00.65 | 00.30 |

B ABERRANT VALUE, NOT USED
E MEAN NON-ABERRANT DARK USED

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/175/61 | 9/ 3/61 | 0500 H | 33 51 S | 126 00 E |

| INCUBATION METHOD | PERIOD | 14C STOCK | ACTIVITY CPM | BACKGROUND |
|---|---|---|---|---|
| ARTIFICIAL CONSTANT LIGHT 0 | 4 HOURS | NO. 7 | 10.02 MILLION | 15 CPM |

| DEPTH M | LIGHT CPM | DARK CPM | DARK USED CPM | NETT CPM | INC. PER. HOURS | PRODUCTION A MG.C/HR./CU.M. | PRODUCTION B G.C/DAY/SQ.M. |
|---|---|---|---|---|---|---|---|
| 0 | 276 | 17 | 17 | 259 | 04.00 | 00.16 | 00.00 |
| 25 | 270 | 29 | 29 | 241 | 04.00 | 00.15 | 00.04 |
| 50 | 276 | 53 B | 22 E | 254 | 04.00 | 00.16 | 00.08 |
| 75 | 350 | 30 | 30 | 320 | 04.00 | 00.20 | 00.12 |
| 100 | 260 | 16 | 16 | 244 | 04.00 | 00.15 | 00.17 |
| 150 | 41 | 19 | 19 | 22 | 04.00 | 00.01 | 00.21 |

B ABERRANT VALUE, NOT USED
E MEAN NON-ABERRANT DARK USED

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/176/61 | 10/ 3/61 | 0225 I | 36 51 S | 129 35 E |

| INCUBATION METHOD | PERIOD | 14C STOCK | ACTIVITY CPM | BACKGROUND |
|---|---|---|---|---|
| ARTIFICIAL CONSTANT LIGHT 0 | 4 HOURS | NO. 7 | 10.02 MILLION | 15 CPM |

| DEPTH M | LIGHT CPM | DARK CPM | DARK USED CPM | NETT CPM | INC. PER. HOURS | PRODUCTION A MG.C/HR./CU.M. | PRODUCTION B G.C/DAY/SQ.M. |
|---|---|---|---|---|---|---|---|
| 0 | 145 | 19 | 19 | 126 | 04.00 | 00.08 | 00.00 |
| 25 | 163 | 19 | 19 | 144 | 04.00 | 00.09 | 00.02 |
| 50 | 241 | 11 | 11 | 230 | 04.00 | 00.14 | 00.05 |
| 75 | 146 | 6 | 6 | 140 | 04.00 | 00.09 | 00.08 |
| 100 | 83 | 15 | 15 | 68 | 04.00 | 00.04 | 00.10 |
| 150 | 29 | 8 | 8 | 21 | 04.00 | 00.01 | 00.11 |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/177/61 | 10/ 3/61 | 2130 I | 36 15 S | 133 35 E |

| INCUBATION METHOD | PERIOD | 14C STOCK | ACTIVITY CPM | BACKGROUND |
|---|---|---|---|---|
| ARTIFICIAL CONSTANT LIGHT 0 | 4 HOURS | NO. 7 | 10.02 MILLION | 15 CPM |

| DEPTH M | LIGHT CPM | DARK CPM | DARK USED CPM | NETT CPM | INC. PER. HOURS | PRODUCTION A MG.C/HR./CU.M. | PRODUCTION B G.C/DAY/SQ.M. |
|---|---|---|---|---|---|---|---|
| 0 | 143 | 33 | 33 | 110 | 04.00 | 00.07 | 00.00 |
| 25 | 155 | 22 | 22 | 133 | 04.00 | 00.08 | 00.02 |
| 50 | 165 | 25 | 25 | 140 | 04.00 | 00.09 | 00.04 |
| 75 | 297 | 15 | 15 | 282 | 04.00 | 00.17 | 00.07 |
| 100 | 64 | 13 | 13 | 51 | 04.00 | 00.03 | 00.10 |
| 150 | 68 | 9 | 9 | 59 | 04.00 | 00.04 | 00.12 |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/180/61 | 11/ 3/61 | 1705 I | 36 53 S | 137 26 E |

| INCUBATION METHOD | PERIOD | 14C STOCK | ACTIVITY CPM | BACKGROUND |
|---|---|---|---|---|
| ARTIFICIAL CONSTANT LIGHT 0 | 4 HOURS | NO. 7 | 10.02 MILLION | 15 CPM |

| DEPTH M | LIGHT CPM | DARK CPM | DARK USED CPM | NETT CPM | INC. PER. HOURS | PRODUCTION A MG.C/HR./CU.M. | PRODUCTION B G.C/DAY/SQ.M. |
|---|---|---|---|---|---|---|---|
| 0 | 571 | 28 | 28 | 543 | 04.00 | 00.33 | 00.00 |
| 25 | 411 | 15 | 15 | 396 | 04.00 | 00.24 | 00.07 |
| 50 | 317 | 13 | 13 | 304 | 04.00 | 00.19 | 00.13 |
| 75 | 65 | 3 | 3 | 62 | 04.00 | 00.04 | 00.15 |
| 100 | 25 | 19 | 19 | 6 | 04.00 | 00.00 | 00.16 |
| 150 | 26 | 14 | 14 | 12 | 04.00 | 00.01 | 00.16 |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/187/61 | 12/ 3/61 | 0850 I | 37 39 S | 140 02 E |

| INCUBATION METHOD | PERIOD | 14C STOCK | ACTIVITY CPM | BACKGROUND |
|---|---|---|---|---|
| ARTIFICIAL CONSTANT LIGHT 0 | 4 HOURS | NO. 7 | 10.02 MILLION | 15 CPM |

| DEPTH M | LIGHT CPM | DARK CPM | DARK USED CPM | NETT CPM | INC. PER. HOURS | PRODUCTION A MG.C/HR./CU.M. | PRODUCTION B G.C/DAY/SQ.M. |
|---|---|---|---|---|---|---|---|
| 0 | 3696 | 65 | 65 | 3631 | 04.00 | 02.22 | 00.00 |
| 10 | 2637 | 19 | 19 | 2618 | 04.00 | 01.60 | 00.19 |
| 20 | 891 | 16 | 16 | 875 | 04.00 | 00.54 | 00.30 |
| 30 | 793 | 9 | 9 | 784 | 04.00 | 00.48 | 00.35 |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/193/61 | 12/ 3/61 | 2040 I | 38 45 S | 141 13 E |

| INCUBATION METHOD | PERIOD | 14C STOCK | ACTIVITY CPM | BACKGROUND |
|---|---|---|---|---|
| ARTIFICIAL CONSTANT LIGHT O | 4 HOURS | NO. 7 | 10.02 MILLION | 15 CPM |

| DEPTH M | LIGHT CPM | DARK CPM | DARK USED CPM | NETT CPM | INC. PER. HOURS | PRODUCTION A MG.C/HR./CU.M. | PRODUCTION B G.C/DAY/SQ.M. |
|---|---|---|---|---|---|---|---|
| 0 | 273 | 19 | 19 | 254 | 04.00 | 00.16 | 00.00 |
| 25 | 249 | 26 | 26 | 223 | 04.00 | 00.14 | 00.04 |
| 50 | 576 | 23 | 23 | 553 | 04.00 | 00.34 | 00.10 |
| 75 | 186 | 12 | 12 | 174 | 04.00 | 00.11 | 00.15 |
| 100 | 72 | 7 | 7 | 65 | 04.00 | 00.04 | 00.17 |
| 150 | 43 | 4 | 4 | 39 | 04.00 | 00.02 | 00.19 |

# DATA

# PART 4

# PIGMENTS

## EXPLANATION OF HEADINGS

| Part 4 | Pigments |
|---|---|
| STATION | Gives the station identification. For example, G2/43/61 signifies the 43rd station worked by Gascoyne in 1961, on her 2nd cruise for that year |
| DATE | Given as day/month/year |
| TIME | Given in Zone Time (Table 2, p. 14) |
| LATITUDE LONGITUDE | Given in degrees and minutes |
| DEPTH | Actual sampling depth given in metres |
| CHLOROPHYLL<br>A B C | A and B given in $mg/m^3$<br>C given in $MSPU/m^3$ |
| ASTACIN<br>NON-ASTACIN | Given in $MSPU/m^3$ |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/126/61 | 5/ 3/61 | 0720 K | 36 10 S | 135 00 E |

| DEPTH | CHLOROPHYLL A | CHLOROPHYLL B | CHLOROPHYLL C | ASTACIN | NON-ASTACIN |
|---|---|---|---|---|---|
| 0 | 0.12 | 0.09 | 0.58 | 0.10 | - 0.02 |
| 25 | 0.09 | 0.04 | 0.40 | 0.12 | - 0.01 |
| 50 | 0.10 | 0.09 | 0.54 | 0.11 | 0.00 |
| 75 | 0.29 | 0.15 | 1.32 | 0.17 | - 0.01 |
| 100 | 0.18 | 0.05 | 0.56 | 0.06 | 0.04 |
| 150 | 0.09 | 0.06 | 0.79 | 0.12 | - 0.04 |



| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/130/61 | 5/ 3/61 | 1615 K | 35 04 S | 133 22 E |

| DEPTH | CHLOROPHYLL A | CHLOROPHYLL B | CHLOROPHYLL C | ASTACIN | NON-ASTACIN |
|---|---|---|---|---|---|
| 0 | 0.09 | 0.09 | 0.28 | 0.08 | 0.00 |
| 25 | 0.08 | 0.02 | 0.46 | 0.06 | 0.04 |
| 50 | 0.11 | 0.09 | 0.59 | 0.09 | 0.00 |
| 75 | 0.15 | 0.07 | 0.77 | 0.10 | 0.00 |
| 100 | 0.17 | 0.07 | 0.75 | 0.07 | 0.04 |
| 150 | 0.09 | 0.08 | 0.49 | 0.08 | 0.00 |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/139/61 | 6/ 3/61 | 0930 K | 32 38 S | 132 57 E |

| DEPTH | CHLOROPHYLL A | CHLOROPHYLL B | CHLOROPHYLL C | ASTACIN | NON-ASTACIN |
|---|---|---|---|---|---|
| 0 | 0.11 | 0.08 | 0.50 | 0.06 | 0.01 |
| 10 | 0.06 | 0.06 | 0.23 | 0.04 | 0.01 |
| 20 | 0.06 | 0.04 | 0.25 | 0.07 | - 0.01 |
| 30 | 0.11 | 0.03 | 0.24 | 0.03 | 0.03 |
| 50 | 0.08 | 0.05 | 0.21 | 0.05 | 0.01 |



| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/144/61 | 6/ 3/61 | 1740 K | 33 47 S | 132 08 E |

| DEPTH | CHLOROPHYLL A | CHLOROPHYLL B | CHLOROPHYLL C | ASTACIN | NON-ASTACIN |
|---|---|---|---|---|---|
| 0 | 0.10 | 0.05 | 0.63 | 0.06 | 0.00 |
| 25 | 0.12 | 0.08 | 0.55 | 0.08 | 0.02 |
| 50 | 0.20 | 0.09 | 0.64 | 0.08 | 0.01 |
| 75 | 0.15 | 0.11 | 0.46 | 0.08 | 0.00 |
| 100 | 0.10 | 0.10 | 0.37 | 0.10 | - 0.01 |
| 150 | 0.12 | 0.09 | 0.56 | 0.08 | 0.04 |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/151/61 | 7/ 3/61 | 0830 K | 31 58 S | 131 16 E |

| DEPTH | CHLOROPHYLL A | CHLOROPHYLL B | CHLOROPHYLL C | ASTACIN | NON-ASTACIN |
|---|---|---|---|---|---|
| 0 | 0.09 | 0.08 | 0.50 | 0.09 | - 0.01 |
| 10 | 0.11 | 0.08 | 0.53 | 0.07 | 0.06 |
| 20 | 0.11 | 0.08 | 0.40 | 0.09 | 0.00 |
| 30 | 0.08 | 0.04 | 0.30 | 0.04 | 0.02 |
| 40 | 0.11 | 0.08 | 0.53 | 0.08 | 0.00 |
| 50 | 0.35 | 0.14 | 1.00 | 0.12 | 0.03 |



| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/155/61 | 7/ 3/61 | 1700 K | 32 12 S | 129 18 E |

| DEPTH | CHLOROPHYLL A | CHLOROPHYLL B | CHLOROPHYLL C | ASTACIN | NON-ASTACIN |
|---|---|---|---|---|---|
| 0 | 0.46 | 0.20 | 0.73 | 0.10 | 0.01 |
| 10 | 0.10 | 0.08 | 0.51 | 0.06 | 0.00 |
| 20 | 0.11 | 0.08 | 0.39 | 0.06 | 0.03 |
| 35 | 0.20 | 0.16 | 0.88 | 0.14 | - 0.01 |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/164/61 | 8/ 3/61 | 0738 K | 33 37 S | 127 38 E |

| DEPTH | CHLOROPHYLL A | CHLOROPHYLL B | CHLOROPHYLL C | ASTACIN | NON-ASTACIN |
|---|---|---|---|---|---|
| 0 | 0.05 | 0.02 | 0.28 | 0.04 | 0.01 |
| 25 | 0.06 | 0.03 | 0.31 | 0.07 | 0.00 |
| 50 | 0.10 | 0.07 | 0.74 | 0.10 | - 0.03 |
| 75 | 0.17 | 0.11 | 0.46 | 0.10 | 0.01 |
| 100 | 0.10 | 0.06 | 0.53 | 0.08 | 0.00 |
| 150 | 0.08 | 0.08 | 0.36 | 0.06 | 0.01 |



| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/167/61 | 8/ 3/61 | 1330 K | 32 44 S | 127 31 E |

| DEPTH | CHLOROPHYLL A | CHLOROPHYLL B | CHLOROPHYLL C | ASTACIN | NON-ASTACIN |
|---|---|---|---|---|---|
| 0 | 0.11 | 0.10 | 0.22 | 0.05 | 0.02 |
| 10 | 0.11 | 0.06 | 0.44 | 0.06 | 0.02 |
| 20 | 0.15 | 0.14 | 0.73 | 0.10 | 0.00 |
| 30 | 0.23 | 0.16 | 0.78 | 0.13 | - 0.01 |
| 45 | 0.35 | 0.16 | 1.14 | 0.13 | 0.01 |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/176/61 | 10/ 3/61 | 0130 K | 36 51 S | 129 35 E |

| DEPTH | CHLOROPHYLL A | CHLOROPHYLL B | CHLOROPHYLL C | ASTACIN | NON-ASTACIN |
|---|---|---|---|---|---|
| 0 | 0.06 | 0.04 | 0.40 | 0.05 | 0.00 |
| 25 | 0.10 | 0.09 | 0.54 | 0.08 | 0.00 |
| 50 | 0.05 | 0.03 | 0.46 | 0.05 | 0.00 |
| 75 | 0.17 | 0.14 | 0.74 | 0.11 | - 0.01 |
| 100 | 0.15 | 0.11 | 0.58 | 0.08 | 0.02 |
| 150 | 0.06 | 0.05 | 0.30 | 0.05 | 0.04 |



| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/177/61 | 10/ 3/61 | 2045 K | 36 15 S | 133 35 E |

| DEPTH | CHLOROPHYLL A | CHLOROPHYLL B | CHLOROPHYLL C | ASTACIN | NON-ASTACIN |
|---|---|---|---|---|---|
| 0 | 0.05 | 0.04 | 0.28 | 0.02 | 0.04 |
| 25 | 0.06 | 0.01 | 0.11 | 0.02 | 0.04 |
| 50 | 0.11 | 0.10 | 0.32 | 0.08 | - 0.02 |
| 100 | 0.15 | 0.05 | 0.53 | 0.06 | 0.02 |
| 150 | 0.10 | 0.03 | 0.40 | 0.05 | 0.04 |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/180/61 | 11/ 3/61 | 1630 K | 36 52 S | 137 26 E |

| DEPTH | CHLOROPHYLL A | CHLOROPHYLL B | CHLOROPHYLL C | ASTACIN | NON-ASTACIN |
|---|---|---|---|---|---|
| 0 | 0.14 | 0.07 | 0.46 | 0.09 | 0.00 |
| 25 | 0.12 | 0.07 | 0.49 | 0.10 | 0.00 |
| 50 | 0.11 | 0.08 | 0.49 | 0.07 | 0.01 |
| 75 | 0.07 | 0.04 | 0.25 | 0.04 | 0.01 |
| 150 | 0.09 | 0.07 | 0.47 | 0.07 | 0.00 |



| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/187/61 | 12/ 3/61 | 0945 K | 37 39 S | 140 02 E |

| DEPTH | CHLOROPHYLL A | CHLOROPHYLL B | CHLOROPHYLL C | ASTACIN | NON-ASTACIN |
|---|---|---|---|---|---|
| 0 | 0.59 | 0.24 | 1.76 | 0.22 | - 0.02 |
| 10 | 0.52 | 0.24 | 1.20 | 0.18 | - 0.06 |
| 20 | 0.30 | 0.14 | 1.00 | 0.16 | - 0.03 |
| 30 | 0.20 | 0.11 | 0.65 | 0.12 | - 0.03 |

| STATION | DATE | TIME | LATITUDE | LONGITUDE |
|---|---|---|---|---|
| G 2/193/61 | 12/ 3/61 | 2010 K | 38 44 S | 141 13 E |

| DEPTH | CHLOROPHYLL A | CHLOROPHYLL B | CHLOROPHYLL C | ASTACIN | NON-ASTACIN |
|---|---|---|---|---|---|
| 0 | 0.11 | 0.11 | 0.66 | 0.11 | - 0.02 |
| 25 | 0.16 | 0.07 | 0.64 | 0.11 | - 0.02 |
| 50 | 0.16 | 0.09 | 0.63 | 0.10 | 0.00 |
| 75 | 0.12 | 0.06 | 0.68 | 0.06 | 0.01 |
| 100 | 0.10 | 0.04 | 0.57 | 0.05 | 0.00 |
| 150 | 0.10 | 0.08 | 0.53 | 0.09 | 0.00 |

## OCEANOGRAPHICAL CRUISE REPORTS

1. Oceanographical observations in the Indian Ocean in 1959. H.M.A.S. *Diamantina* Cruises Dml/59 and Dm2/59.
2. Oceanographical observations in the Indian Ocean in 1960. H.M.A.S. *Diamantina* Cruise Dml/60.
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