

ELTANIN REPORTS

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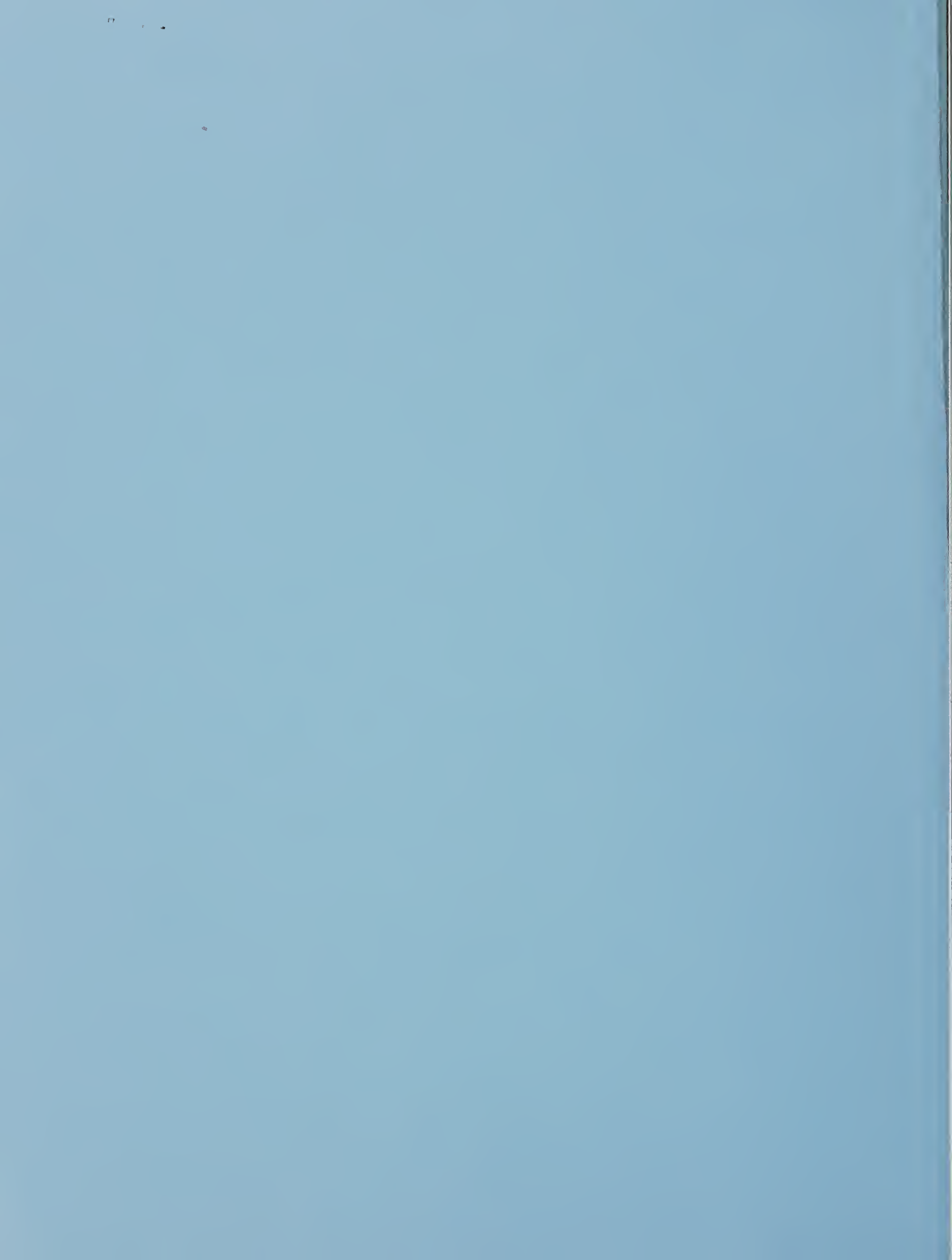
CRUISES 47-50, 1971; 52-55, 1972

HYDROGRAPHIC STATIONS
BOTTOM PHOTOGRAPHS
CURRENT MEASUREMENTS
NEPHELOMETER PROFILES



LAMONT-DOHERTY GEOLOGICAL OBSERVATORY
of COLUMBIA UNIVERSITY, PALISADES, N.Y.

1974



Lamont-Doherty Geological Observatory
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Palisades, New York
10964

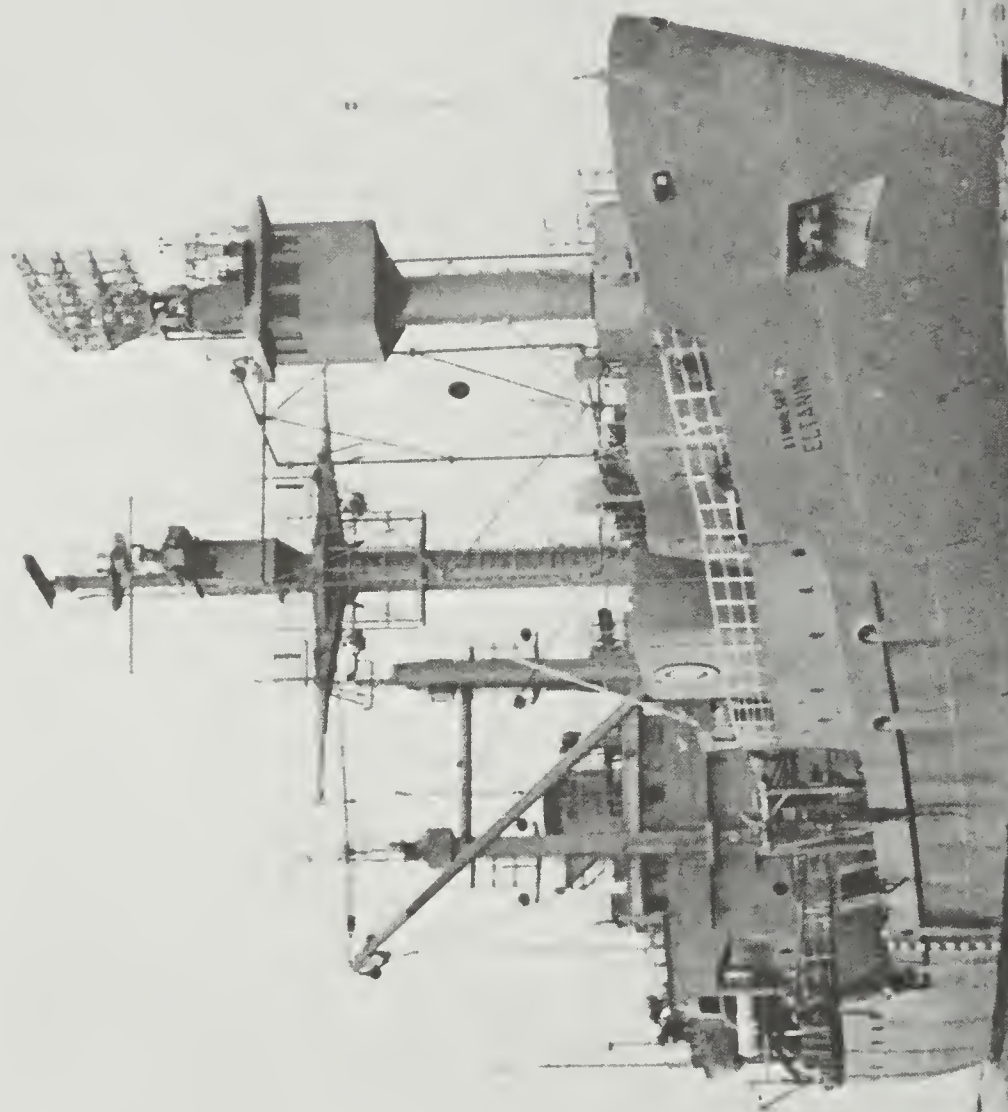
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Hydrographic Stations
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Current Measurements
Nephelometer Profiles

Technical Report CU-2-74

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ABSTRACT

Three hundred and two serial stations and continuously recorded in-situ salinity-temperature-depth (STD) stations were taken by Lamont personnel from the USNS ELTANIN during cruises 47 through 55, 1971-72. The stations are listed and positions are plotted on a Marsden-indexed chart of all ELTANIN hydrographic stations, cruises 4-55 (Plate 1). Water samples were processed for salinity and dissolved oxygen on all cruises and for nutrients on cruises 47 (silicate and phosphate), 48 (silicate, phosphate and nitrate), 49, 50 and 54 (silicate). Methods of data collection and reduction are described and some data are compared with earlier observations from other ships in the same region. Over 1900 mechanical and expendable bathythermograph profiles were made during cruises 47 through 55 and continuous sea-surface temperature records were taken over major portions of the ship's track. Representative bottom photographs and nephelometer (light-scattering) profiles are included. The data are presented from twenty-five deep current measurements made with Savonius-rotor current meters over periods of a few hours to 3 weeks.

The ELTANIN component of the United States Antarctic Research Program was discontinued following Cruise 55. The ship is scheduled to return to Antarctic service in late 1974 as the ISLAS ORCADAS, under a lease arrangement between Argentina, NSF's Office of Polar Programs, and the U.S. Military Sea Command.

SERIAL DATA COLLECTION/REDUCTION

Water samples were taken with 1.5 liter teflon-lined Nansen bottles (Kahl Scientific Instrument Co., Ballauf Mfg. Co.) and with 1.7 liter PVC Niskin bottles (General Oceanics). Several stations on Cruise 47 included 5 liter and 30 liter PVC Niskin bottles without reversing thermometers for a Massachusetts Institute of Technology geochemical sampling program (CO₂, alkalinity, C-13, barium, tritium, 0-18). Carbon-14 sampling was carried out on Cruise 48 by personnel from the University of Washington. On Cruise 50 and Cruise 52 tritium and 0-18 samples were collected for M. Baxter, Glasgow University. Hydrographic data were taken by Texas A&M personnel in support of biological programs on ELTANIN Cruise 51 (New Zealand to McMurdo). Observations made by other institutions are not included in this report. ELTANIN Cruise 53 was primarily devoted to geophysical site surveying for the GLOMAR CHALLENGER Deep Sea Drilling Project and included no hydrographic stations.

Serial temperature measurements were taken with deep-sea reversing thermometers (Kahl Scientific Instrument Co., Yoshino-Keiki, Richter and Weise). Most instruments were calibrated at the National Oceanographic Instrumentation Center, Washington, D.C. A few were calibrated at the Physics and Engineering Laboratory, Dept. of Scientific and Industrial Research, Lower Hutt, New Zealand. Serial temperatures were generally an average reading of two protected instruments. Depths were obtained from unprotected thermometers used with most sampling bottles. Salinity samples were processed with Auto-Lab inductively-coupled laboratory salinometers standardized with Copenhagen Standard Sea Water batches P50, P51 and P53 and referenced to the International Oceanographic Tables (UNESCO, 1966). Malfunctioning salinometers led to low-quality salinity data on Cruise 49.

Thermometric corrections and calculation of sampling depths were after Lafond (1951), Sverdrup (1947) and the U.S. Hydrographic Office (1955). Density computations were made following Knudsen (1901) and Lyman (1969). The recent specific gravity determinations of Cox, McCartney and Culkin (1970) may more closely approximate the "real ocean" but have not been used in the sigma-t calculations, for the sake of consistency with historical data and earlier ELTANIN Reports. Trial computations utilizing the Cox et al equations in the range 33.9 to 35.6‰ and -1.0 to 14.0°C resulted in sigma-t values .01 to .02 higher than the Knudsen-derived results. Sound velocity was calculated after Wilson (1960), interpolation to standard levels from Reininger and Ross (1968), and computation of specific volume and dynamic height after Bjerknes and Sandstrom (1910).

OXYGEN AND NUTRIENT MEASUREMENTS

Dissolved oxygen was measured by Winkler titration (Carpenter, 1965), with a reagent correction factor of -.014 (Murray et al, 1968; Anderson, 1971). On Cruise 47, Nansen bottles were tripped within 15 meters ($\leq .004\%$ salinity change) of thirty-liter Niskin bottles on several stations. Dissolved oxygen differed by an average of +.04 ml/l (Niskin-Nansen), $\sigma = .096$, for 19 of these "paired" samples. In this unplanned experiment, differences were more likely due to delayed sampling from the larger bottles than to bottle type.

On Cruise 48, oxygen determinations were of low quality and numerous observations have been deleted or flagged as doubtful. Zero blanks were assumed throughout and standards for the latter half of the cruise (stations 1334-1344) were extrapolated from the trend of standard values for the early stations (1325-1334). Cruise 49 oxygen data appear to be ≈ 0.15 ml/l higher, on a temperature/oxygen diagram, than data from other ELTANIN cruises (45, 47, 50, 54) in the same region. The reason for this difference is not known, but is presumed to be an analytical problem.

We have noted earlier (Gordon, 1966; Jacobs et al, 1970), some differences between the dissolved oxygen measurements of several Antarctic oceanographic expeditions. (See also Wyrcki et al, 1971.) In the region covered by these cruises, DISCOVERY oxygen data are ≈ 0.5 ml/l lower than ELTANIN oxygen values at the same temperatures.

ELTANIN oxygen values from the deep and bottom water north of the Broken Ridge are ≈ 0.5 ml/l lower than values South of the Ridge. On at least 3 stations (1327, 1347, 1386) between the Naturaliste-Broken Ridges and the mid-Indian Ocean Ridge, a deep oxygen maximum (>5.0 ml/l) occurs near bottom. Unusually high dissolved oxygen between 300-500 meters on ELTANIN station 1339 west of the Ninety East Ridge appears to confirm a similar feature on an ATLANTIS Africa-Australia Section at 32° S. The high oxygen at this level does not, however, appear on a DISCOVERY Section along the same latitude (Wyrcki et al, 1971, sections 4 and 5). J. Edmond measured near-surface water supersaturated in dissolved oxygen in the vicinity of pack ice during Cruise 47. Surface water supersaturated in oxygen has been reported previously in the Antarctic (e.g. Jacobs and Amos, 1967), and Arctic (Sverdrup, 1929; Codispoti and Richards, 1971).

Nutrient determinations were made following methods essentially as outlined in Strickland and Parsons (1968), utilizing a Beckman DU Spectrophotometer on Cruise 47 and a Technicon Autoanalyzer on Cruises 48, 49, 50 and 54 (Hagerman, 1972). Following breakage of a critical silicate cell on Cruise 50, samples were chloroformed and frozen for return to the U.S. Processed at Lamont, silicate values resulted that were 30-40% lower than shipboard data from the same cruise and region and have thus been discarded. Polymerization to unreactive silicate chains (Strickland and Parsons, 1968; S. Williams, p.c.) may cause the lower results for stored samples. We have previously frozen samples for periods of several days during a single cruise without major effect to the silicate data (see also Stefansson and Richards, 1963).

Direct comparisons were not made on ELTANIN of manual and automated nutrient analyses (e.g., Hager et al, 1972) but observations made via the different techniques appear comparable in the same region.

Figure 1 is a silicate/temperature diagram of ELTANIN, DISCOVERY, OB, and ARGO data below 500 meters for the Antarctic region between 40° and 60° South, 70° and 110° East. OB data reveal considerable scatter and DISCOVERY silicate values average 30-50% lower than ELTANIN silicate at the same temperature. We have since observed similar differences between DISCOVERY silicate data and observations made by us on the R. D. CONRAD west of the Kerguelen Plateau (Jacobs, 1974). Measureable differences of several percent

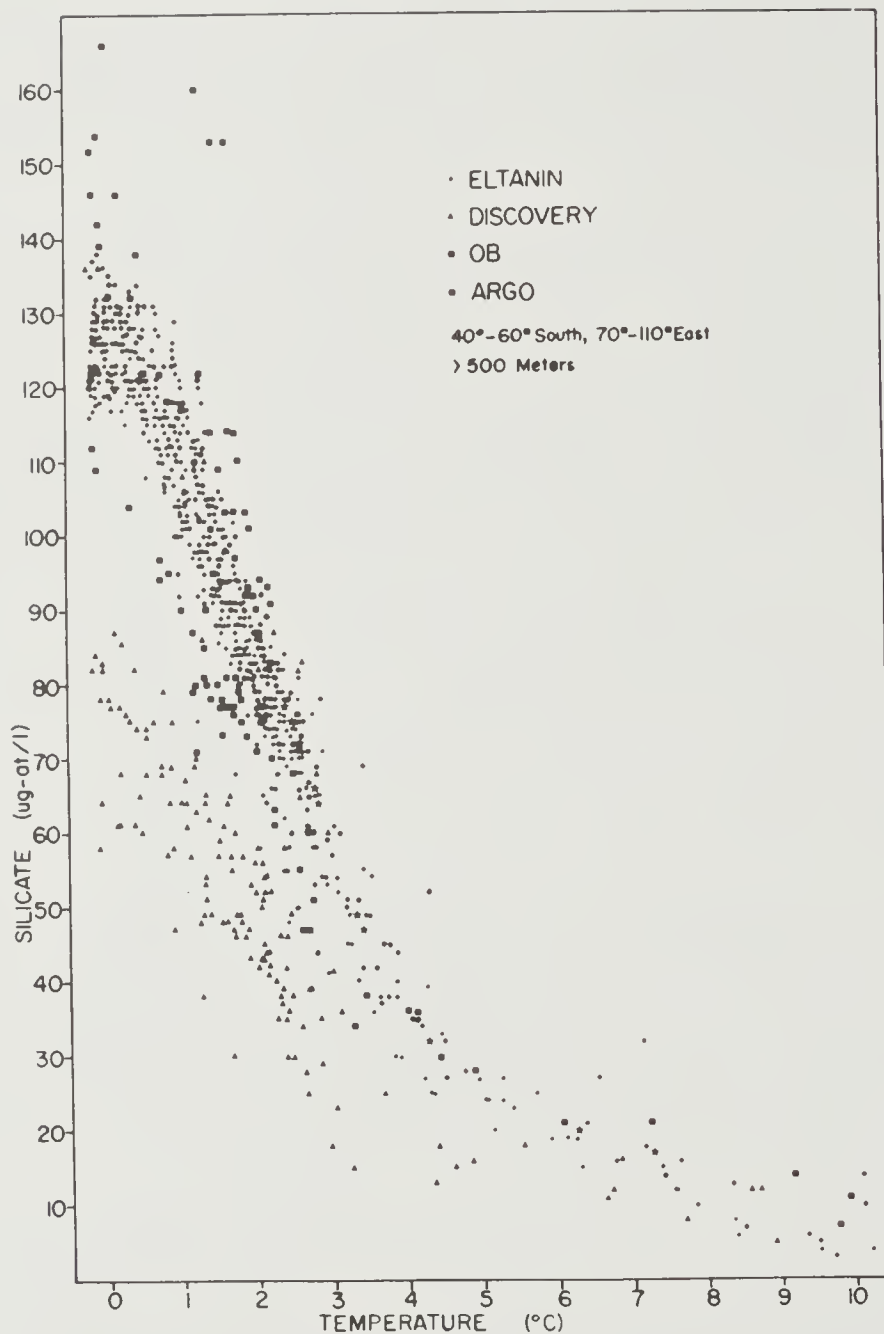


Fig. 1. Silicate/temperature diagram for several expeditions in the Southeast Indian/Antarctic region.

exist between silicate/temperature data from ELTANIN cruises 47, 49 and 50 in the deep and bottom water, perhaps due to systematic analytical errors. Many ELTANIN stations show a deep silicate maximum with decreases of several $\mu\text{g-at/l}$ in the Antarctic Bottom Water (AABW). This nutrient evidence for a nearby AABW source area has been noted earlier for the Weddell Sea (e.g., Carmack, 1973). A change in the silicate/temperature gradient around $25 \mu\text{g-at/l}$ and 4.5°C is apparently related to the Antarctic Intermediate Water core (see Gordon, in press).

STD OPERATIONS

In-situ salinity/temperature/depth (STD) data were taken on Cruises 47 and 50 with a Plessey model 9006 system. Techniques used in operating the STD are detailed in Amos (1973). Data were recorded on magnetic tape via a Plessey model 8114 Digital Data Logger (DDL), and on a Leeds and Northrup XXXY recorder. Observations were reduced from the DDL records where possible and from digitized analog records during periods of DDL malfunction. STD output was closely monitored with a surface command sampler (SAMS; Gerard and Amos, 1968) and corrections made to the STD data from least-square curves fit to the SAMS/STD salinity and depth differences. Editing programs accepted successively deeper depths and damped or truncated some of the salinity "spikes" resulting from sensor movement through large temperature gradients. Corrected STD data, bottle data and relevant correction information are stored on 7-track magnetic tape. All transients have not been removed by editing, as is apparent from a comparison of records obtained during descent and ascent of the underwater sensors. Some of the remaining spikes adversely affect the standard level data.

We have discussed some of the typical errors encountered with these STD systems in earlier reports (Amos, 1966; Jacobs et al, 1967, 1970, 1972). An additional consideration is the proper mode (descent or ascent of the STD) during which SAMS samples should be taken. Samples were taken in both modes during ELTANIN cruises 47 and 50. Other investigators (personal communication) have pointed out the dangers of contamination when samples are taken during descent of the STD/rosette system because of potential leakage into the bottles at greater pressure. We have some data that may support this contention and other data that counter it. In an attempt to solve the problem, we have had designed and built, since the ELTANIN data were taken, a command sampler incorporating a pressure release device on each bottle (Jacobs, 1974).

Hysteresis is another problem not covered previously, except for noting its relevance to the near-surface layers. Several stations in this report demonstrate anomalies that may be related to hysteresis problems. For example, the analog records of salinity on station pairs 1523-24 and 1529-30 differ by $\approx .015 \text{ } \text{‰}$ at the salinity maximum. Numerous deep stations from USNS GILLIS Cruise 85, 1968, show systematic hysteresis on this order between descent and ascent of the sensors (A. F. Amos, personal communication). Offsets in the two cases cited above are in the opposite sense, however, perhaps indicating another type of instrumental shift.

The observations above have implications, not completely resolved on these cruises, for the proper application of rosette data corrections to the STD records and for the absolute accuracy of the resulting data.

NEPHELOMETRY AND BOTTOM PHOTOGRAPHY

Bottom photographs were taken and nephelometer measurements made on Cruises 47-50 and 52-55 (Table 1). Equipment and procedures have been described in earlier reports. A vertical frame (Fig. 8 of Jacobs et al, 1972) carried components of the nephelometer (Thornkike, in press) and camera systems. Representative bottom photographs and all usable nephelometer profiles from these cruises appear in the latter portion of this report. The nephelometer profiles are normalized to the clearest water (film exposure= E_0) on each station. Prints of bottom photographs were produced by the Smithsonian Institution's Oceanographic Sorting Center where the negatives are archived and a cross referencing system is under development (Simmons, 1973).

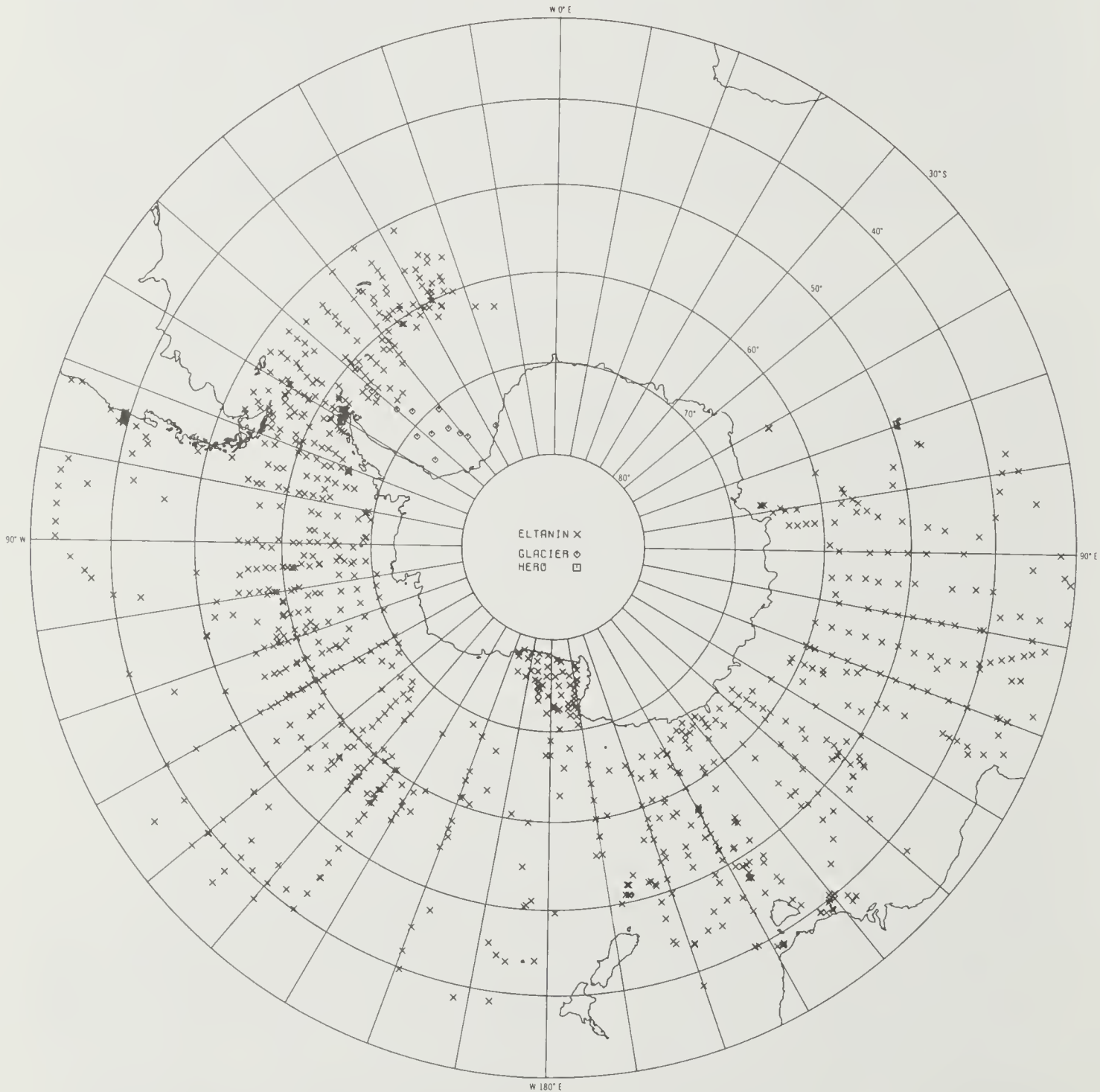


Fig. 2. ELTANIN, GLACIER and HERO sea floor camera stations in the Antarctic (after Simmons and Landrum, 1973).

CURRENT MEASUREMENTS

Geodyne film-recording Savonius-rotor current meters with inclinometers were bottom-moored (e.g. Knauss, 1965) singly or in pairs at 29 locations on Cruises 47-54. Twenty-five moorings were recovered. Of the 5 individual current meters used on this program, three were eventually lost from failure to surface for unknown reasons, and the ship did not return to two moorings. Loss of data from other recovered meters resulted from improper film transport (1) vane or rotor malfunction (1) premature release (2) or poor film development (1). Usable data were obtained from 29 separate recordings. A summary of the successful stations appears in Table 2. Most current meters were down only for the several hours during on-station operations, due to the predominantly wide-ranging survey nature of the ELTANIN programs on these cruises. The longest record extended for 462 hours. Three records obtained from a current meter lowered over the ship's side on hydrographic cable are not included in this report.

Table 2. Current Meter Moorings, Cruises 47-54

| Moor | Watr | Metr | Nmbr | Coordinates | | Start | GMT | Hrs |
|--------|------|-------|---------|-------------|----------|---------|------|-----|
| 47-1 | 3635 | 3 | 381 | 51°34'S | 78°55'E | 19Feb71 | 0910 | 9 |
| 47-2 | 3637 | 3 | 381 | 64°04'S | 80°34'E | 25Feb71 | 1835 | 190 |
| 47-3 | 3129 | 2/100 | 383/381 | 58°47'S | 84°15'E | 10Mar71 | 1020 | 8 |
| 47-4 | 4310 | 3/100 | 383/381 | 61°11'S | 71°01'E | 13Mar71 | 0859 | 7 |
| 47-5 | 4571 | 3/100 | 381/383 | 54°54'S | 82°40'E | 17Mar71 | 0450 | 14 |
| 47-6 | 4574 | 3 | 381 | 42°58'S | 137°33'E | 09Apr71 | 2339 | 13 |
| # 48-1 | 4280 | 200 | 388 | 34°04'S | 97°31'E | 16Jul71 | 0528 | 10 |
| 48-2 | 4555 | 100 | 383 | 31°19'S | 93°34'E | 22Jul71 | 0535 | 437 |
| 48-3 | 3650 | 100 | 388 | 34°54'S | 84°04'E | 03Aug71 | 0802 | 8 |
| 48-4 | 5150 | 200 | 383 | 32°09'S | 102°51'E | 14Aug71 | 1039 | 9 |
| 49-1 | 4379 | 3/200 | 381/388 | 59°37'S | 110°05'E | 13Sep71 | 1220 | 7 |
| # 49-3 | 3615 | 3/200 | 381/383 | 40°02'S | 94°52'E | 28Sep71 | 0451 | 7 |
| # 49-4 | 3464 | 3/200 | 388/381 | 49°24'S | 94°51'E | 02Oct71 | 0352 | 6 |
| 50-4 | 3462 | 010 | 383 | 64°26'S | 144°30'E | 08Dec71 | 1447 | 8 |
| 50-5 | 2963 | 100 | 383 | 63°57'S | 170°01'E | 16Dec71 | 0837 | 5 |
| 50-6 | 5184 | 100 | 383 | 58°59'S | 170°01'E | 19Dec71 | 0704 | 70 |
| 50-7 | 5171 | 100 | 383 | 55°59'S | 170°06'E | 23Dec71 | 2300 | 68 |
| 52-1 | 691 | 350 | 383 | 78°05'S | 179°59'W | 29Feb72 | 2215 | 141 |
| 52-2 | 527 | 4 | 383 | 73°21'S | 177°00'E | 09Mar72 | 0258 | 100 |
| 52-3 | 1201 | 4 | 408 | 72°55'S | 177°20'E | 09Mar72 | 0633 | 91 |
| 53-1 | 4165 | 095 | 403 | 49°00'S | 148°08'E | 01May72 | 1115 | 332 |
| 54-2 | 3790 | 100 | 403 | 57°29'S | 82°24'E | 06Jul72 | 1716 | 176 |
| 54-4 | 4525 | 100 | 403 | 47°30'S | 124°05'E | 05Aug72 | 2017 | 49 |

On 48-1, 49-3(both meters) and 49-4(bottom meter) currents were near zero.

The underwater package (Fig. 3) consisted of 100-lb. weights, Geodyne Model 855 timed releases and Model 102-0 current meters, Corning 16" glass floats, and Ocean Applied Research Model 500 submersible flashers and Model 206 submersible transmitters. The instruments were suspended from 2 to 350 meters above bottom with polypropylene line. Corrections were made for current meter inclination, which was almost always below 5 degrees. Recovery frequently occurred under difficult conditions (Fig. 4, after Markl, 1973).



Fig. 3. Launch of a bottom-moored current meter array, Cruise 47.

Manufacturer's specifications give a rotor accuracy of ± 2.6 cm/sec between threshold and 50 cm/sec; a vane sensitivity from 10° at threshold to 2° at 13 cm/sec and above; compass and vane resolution of 2.8° ; and a timer accuracy of ± 10 sec/day. Additional performance characteristics for Geodyne Savonius rotor current meters are available, e.g., from UNESCO inter-comparison test (SCOR Working Group 21, 1974). An analysis of Savonius rotor performance, with several references, appears in Kalvaitis (1972). Gould (1973) has reported some effects of non-linearities of current meter compasses. The manufacturer's calibration data were accepted for all components of these current meters.



Fig. 4. The top of current meter system 54-2, prior to night recovery in unconsolidated pack ice.

The meters were operated in the continuous mode (consecutive one-minute sample periods) or in the five-minute interval mode (one-minute sample period each 5 minutes). Data transfer from film to 7-track magnetic tape was accomplished by Geodyne Corp., with subsequent data reduction and analysis completed at Lamont. Scalar averages over one minute periods result in a resolution better than 0.3 cm/sec between threshold and 10 cm/sec and better than 3 cm/sec up to 30 cm/sec.

Data presentations (statistics, histograms, east-north component plots) are similar in format to a series of Woods Hole Oceanographic Institution technical reports by Webster, Fofonoff, Tarbell, and Pollard (e.g. Pollard 1970).

East and north components of continuous or interval velocity vectors are plotted against time. Two different horizontal and vertical scales are used on the vector component plots to accommodate the different length records. A few noise spikes appear on these plots; numerous other similar spikes have been edited out. An apparent truncation of the low-velocity portion of some interval records (e.g. 47-2-3) results from the lack of sufficient data to compute speed in the one-minute recording intervals between 4-minute gaps.

| <u>PERSONNEL</u> | Cruise | <u>PERSONNEL</u> | Cruise |
|--------------------------------|--------|--------------------------------|----------------|
| Eric J. R. Amos | 49 | Stanley S. Jacobs | 47 |
| Jay Ardai | 55 | Douglas Merz | 53, 54 |
| Edward B. Bauer | 47, 50 | *John Reuter | 55 |
| Linda Bauer | 50 | Michael R. Rodman | 54 |
| Dee L. Breger | 48 | Mark H. Rodriguez | 48 |
| Cristina Bruchhausen | 52 | Neptune N. Rodriguez | 48 |
| Peter M. Bruchhausen | 47, 52 | Timothy F. Root | 48, 49, 50 |
| *John M. Edmond | 47 | Frederic L. Rosselot | 47, 50, 52, 55 |
| Arnold L. Gordon | 50 | Alexander Shor | 49, 50 |
| Susan E. Gordon | 50 | Harold Solomon | 50 |
| Paul Hagerman | 49, 54 | Robert C. Tsigonis | 54 |
| Richard Heffernan | 55 | David S. Woodroffe | 54 |

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STATION LISTS/PLOTS

Station header information

M: Mode
0=Hydro station
1=STD station (descent of sensors)

R: Source of STD data
1=magnetic tape
3=analog record

GMT: Shallow cast messenger time or time STD is at sea surface; surface data, including coordinates, are at GMT

MAR: Marsden square

DEPTH: Corrected for sound velocity variations after Matthews (1939); calculated at estimated trip time of deepest sample bottle or time STD sensors were closest to bottom

AIR: Air temp, degrees centigrade

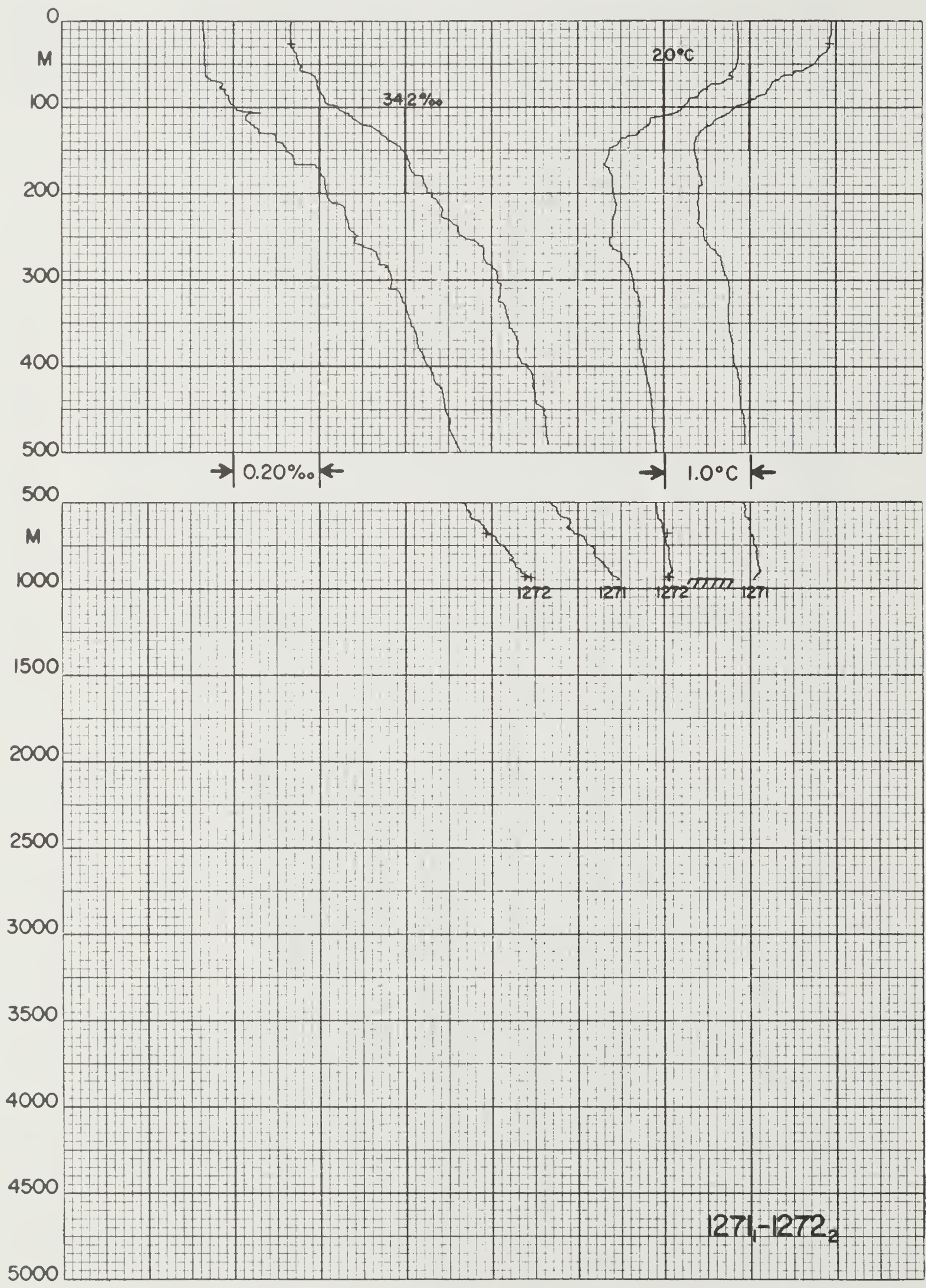
WND: First two digits are direction, rounded to nearest ten degrees; third digit is sea state, WMO Code 3700

OBS: Number of observed levels on serial stations; cast number (down) on time-series STD stations

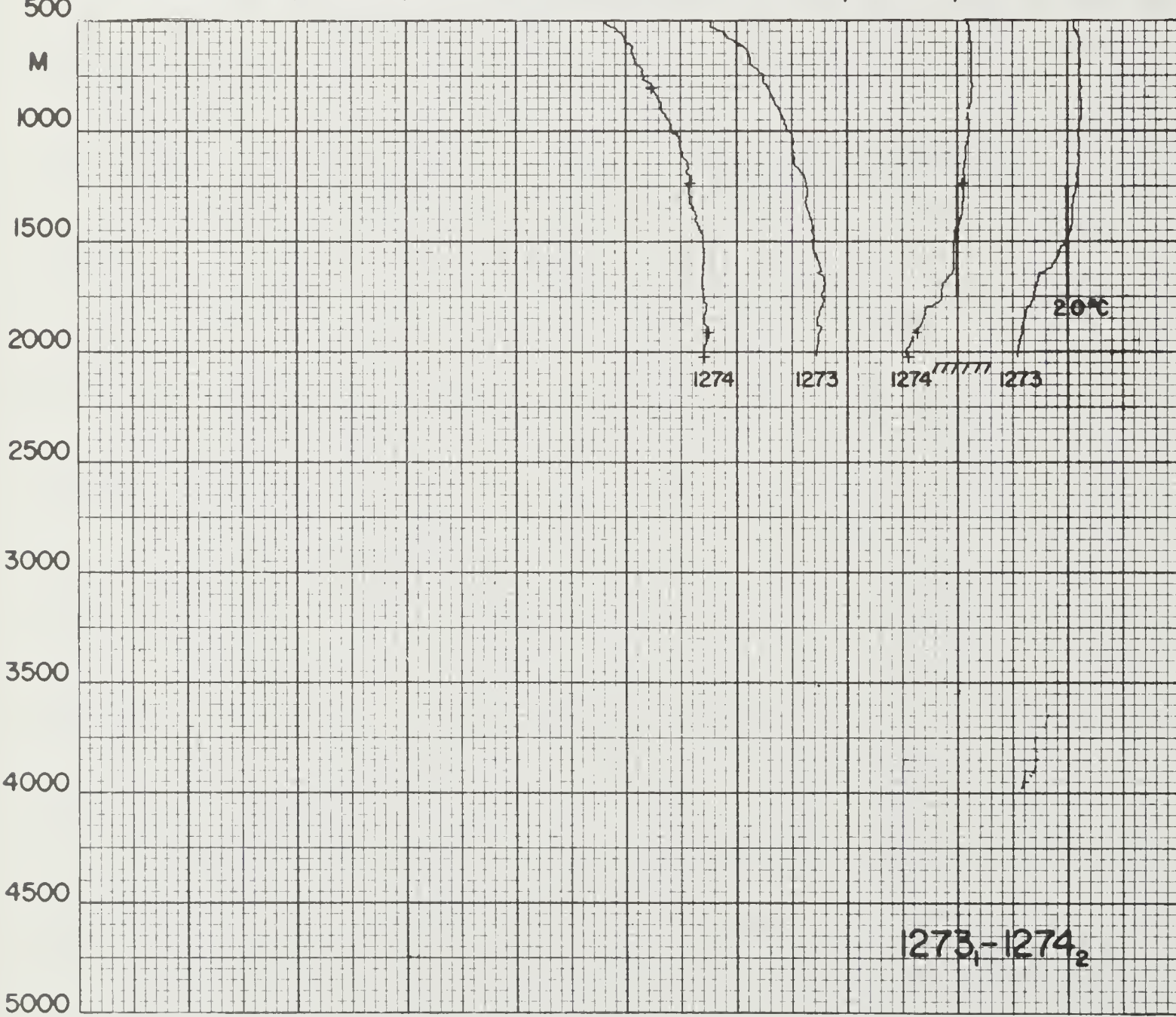
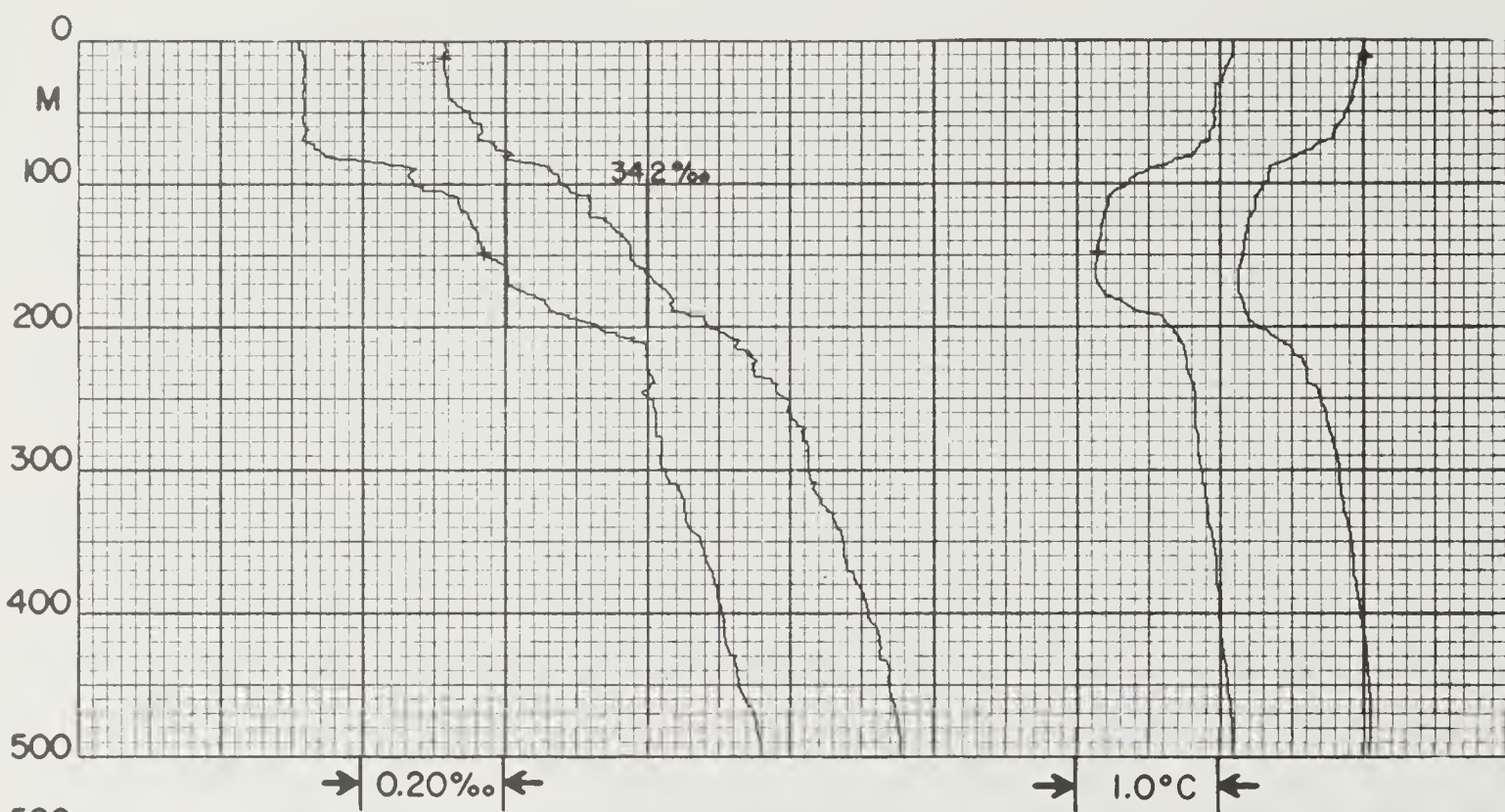
TYPE: OBS=Serial bottle data
COM1=Command sampler data (sensor descent)
COM2=Command sampler data (sensor ascent)
ISL=Serial station, interpolated standard levels after Reiniger and Ross (1968)
STD=STD station, linearly interpolated standard levels.
PING=Height above bottom of deepest sample, when bottom pinger was used on deep cast

Plots of temperature/depth and salinity/depth appear facing each STD station list. Data recorded during sensor ascent are offset laterally. Subscripts after station numbers denote the mode. SAMS data and bottom depths are plotted on the graphs. Gaps in STD digital records at times resulted from magnetic tape shutdown by the command sampler signal. Apparent micro-step structure on some deep stations results from plotter resolution limits.

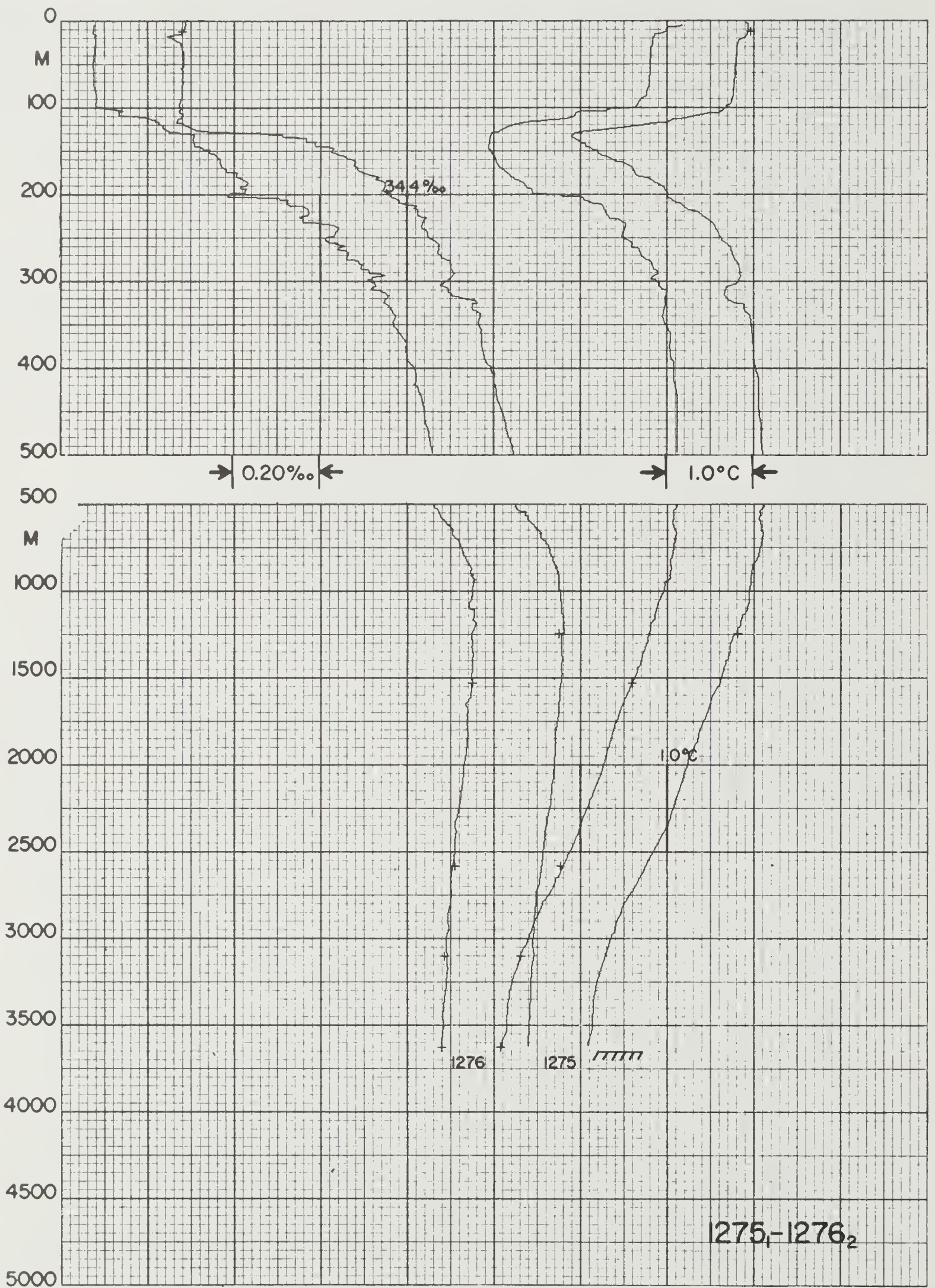
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|------------------------|--------------|-----------------|----------------|---------------------|---------------------------|-------------------------|---------------------|--|-----|-----|-----|
| EL 47 | 1270 | 0 | | 8 | 2 | 71 | 0.5 | 4034.9S | 9856.3E | 470 | 3937 | 12.2 | | 304 | 224 | 34 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10^3 ml/l | PHOS 10^3 μ gatl | NITR 10 μ gatl | SILIC μ gatl | | | | |
| CBS | 2 | 13.60 | 34.888 | | 26.20 | | | 1502.8 | 630 | 34 | | | | | | |
| CBS | 52 | 12.35 | 34.876 | | 26.44 | | | 1499.4 | 635 | 46 | | | | | | |
| CBS | 101 | 11.20 | 34.872 | | 26.66 | | | 1496.2 | 629 | 58 | | | | | | |
| CBS | 199 | 10.55 | 34.834 | | 26.75 | | | 1495.4 | 623 | 83 | | | | | | |
| CBS | 297 | 10.23 | 34.808 | | 26.78 | | | 1495.9 | 626 | 88 | | | | | | |
| CBS | 395 | 10.05 | 34.809 | | 26.81 | | | 1496.8 | 611 | 92 | | | | | | |
| CBS | 405 | 10.16 | 34.824 | | 26.81 | | | 1497.4 | 565Q | | | | | | | |
| CBS | 493 | 9.73 | 34.783 | | 26.85 | | | 1497.2 | 595 | 102 | | | | | | |
| CBS | 583 | 9.54 | 34.761 | | 26.86 | | | 1498.0 | 582 | 104 | | | | | | |
| CBS | 591 | 9.50 | 34.759 | | 26.87 | | | 1498.0 | 587 | 122 | | | | | | |
| CBS | 886 | 6.77 | 34.483 | | 27.06 | | | 1492.1 | 503 | 167 | | | | | | |
| CBS | 1095 | 4.39 | 34.364 | | 27.26 | | | 1485.8 | 484 | | | | | | | |
| CBS | 1188 | 3.86 | 34.376 | | 27.33 | | | 1485.1 | 476 | 216 | | | | | | |
| CBS | 1251 | | 34.386 | | | | | | 468 | 225 | | | | | | |
| CBS | 1491 | 2.99 | 34.497 | | 27.51 | | | 1486.7 | 418 | 177Q | | | | | | |
| CBS | 1633 | | 34.554 | | | | | | 407 | 242 | | | | | | |
| CBS | 1795 | 2.66 | 34.622 | | 27.64 | | | 1490.6 | 408 | 230 | | | | | | |
| CBS | 1918 | | 34.654 | | | | | | 409 | 227 | | | | | | |
| CBS | 2100 | 2.42 | 34.708 | | 27.73 | | | 1494.9 | 417 | 232 | | | | | | |
| CBS | 2344 | | 34.746 | | | | | | 451 | 214 | | | | | | |
| CBS | 2354 | 2.23 | 34.748 | | 27.77 | | | 1498.5 | 403Q | | | | | | | |
| CBS | 2408 | 2.22 | 34.755 | | 27.78 | | | 1499.4 | 458 | 209 | | | | | | |
| CBS | 2715 | 1.92 | 34.762 | | 27.81 | | | 1503.4 | 460 | 211 | | | | | | |
| CBS | 2791 | | 34.758 | | | | | | 470 | 210 | | | | | | |
| CBS | 3024 | 1.56 | 34.750 | | 27.83 | | | 1507.2 | 475 | 210 | | | | | | |
| CBS | 3228 | | 34.740 | | | | | | 484 | 214 | | | | | | |
| CBS | 3331 | 1.31 | 34.742 | | 27.84 | | | 1511.5 | 471 | 221 | | | | | | |
| CBS | 3627 | | 34.725 | | | | | | 495 | 235 | | | | | | |
| CBS | 3629 | 1.08 | 34.733 | | 27.85 | | | 1515.7 | 487 | 223 | | | | | | |
| CBS | 3928 | 0.99 | 34.725 | | 27.85 | | | 1520.6 | 500 | 220 | | | | | | |
| CBS | 3978 | 1.00 | 34.724 | | 27.85 | | | 1521.5 | 493 | 224 | | | | | | |
| CBS | 4025 | | 34.717 | | | | | | 497 | | | | | | | |
| CBS | 4028 | 1.00 | 34.724 | | 27.85 | | | 1522.4 | 499 | 221 | | | | | | |
| CBS | 4035 | 1.00 | 34.721 | | 27.84 | | | 1522.5 | 486 | | | | | | | |
| PIAG | 15 | | | | | | | | | | | | | | | |
| ISL | 0 | 13.60 | 34.888 | | 26.20 | 182.38 | 0.000 | 1502.7 | | | | | | | | |
| ISL | 10 | 13.39 | 34.886 | | 26.24 | 178.71 | 0.018 | 1502.2 | | | | | | | | |
| ISL | 20 | 13.13 | 34.884 | | 26.29 | 174.19 | 0.036 | 1501.5 | | | | | | | | |
| ISL | 30 | 12.88 | 34.881 | | 26.34 | 169.83 | 0.053 | 1500.8 | | | | | | | | |
| ISL | 50 | 12.40 | 34.876 | | 26.43 | 161.59 | 0.086 | 1499.5 | | | | | | | | |
| ISL | 75 | 11.79 | 34.873 | | 26.55 | 151.30 | 0.125 | 1497.8 | | | | | | | | |
| ISL | 100 | 11.22 | 34.872 | | 26.65 | 141.79 | 0.162 | 1496.2 | | | | | | | | |
| ISL | 125 | 10.89 | 34.863 | | 26.71 | 137.36 | 0.197 | 1495.5 | | | | | | | | |
| ISL | 150 | 10.78 | 34.852 | | 26.72 | 136.82 | 0.231 | 1495.5 | | | | | | | | |
| ISL | 200 | 10.55 | 34.834 | | 26.75 | 135.24 | 0.299 | 1495.4 | | | | | | | | |
| ISL | 250 | 10.34 | 34.817 | | 26.77 | 134.09 | 0.366 | 1495.5 | | | | | | | | |
| ISL | 300 | 10.22 | 34.808 | | 26.78 | 133.87 | 0.433 | 1495.9 | | | | | | | | |
| ISL | 400 | 10.10 | 34.816 | | 26.81 | 133.32 | 0.567 | 1497.1 | | | | | | | | |
| ISL | 500 | 9.71 | 34.781 | | 26.85 | 131.30 | 0.699 | 1497.3 | | | | | | | | |
| ISL | 600 | 9.44 | 34.753 | | 26.87 | 130.83 | 0.830 | 1497.9 | | | | | | | | |
| ISL | 700 | 8.70 | 34.655 | | 26.92 | 127.86 | 0.960 | 1496.7 | | | | | | | | |
| ISL | 800 | 7.67 | 34.552 | | 26.99 | 120.88 | 1.084 | 1494.3 | | | | | | | | |
| ISL | 900 | 6.62 | 34.472 | | 27.08 | 112.50 | 1.201 | 1491.7 | | | | | | | | |
| ISL | 1000 | 5.51 | 34.394 | | 27.16 | 103.95 | 1.309 | 1488.8 | | | | | | | | |
| ISL | 1100 | 4.36 | 34.364 | | 27.27 | 92.08 | 1.407 | 1485.7 | | | | | | | | |
| ISL | 1200 | 3.81 | 34.378 | | 27.33 | 85.10 | 1.495 | 1485.1 | | | | | | | | |
| ISL | 1300 | 3.39 | 34.409 | | 27.40 | 78.48 | 1.577 | 1485.1 | | | | | | | | |
| ISL | 1400 | 3.16 | 34.457 | | 27.46 | 72.81 | 1.653 | 1485.8 | | | | | | | | |
| ISL | 1500 | 2.97 | 34.501 | | 27.51 | 68.03 | 1.723 | 1486.8 | | | | | | | | |
| ISL | 1750 | 2.70 | 34.603 | | 27.62 | 58.71 | 1.882 | 1490.0 | | | | | | | | |
| ISL | 2000 | 2.50 | 34.677 | | 27.69 | 52.08 | 2.020 | 1493.5 | | | | | | | | |
| ISL | 2250 | 2.30 | 34.730 | | 27.75 | 47.06 | 2.144 | 1497.0 | | | | | | | | |
| ISL | 2500 | 2.15 | 34.763 | | 27.79 | 43.81 | 2.258 | 1500.7 | | | | | | | | |
| ISL | 2750 | 1.88 | 34.760 | | 27.81 | 41.37 | 2.364 | 1503.8 | | | | | | | | |
| ISL | 3000 | 1.58 | 34.751 | | 27.83 | 38.77 | 2.464 | 1506.9 | | | | | | | | |
| ISL | 3250 | 1.37 | 34.740 | | 27.83 | 37.28 | 2.559 | 1510.3 | | | | | | | | |
| ISL | 3500 | 1.18 | 34.734 | | 27.84 | 35.42 | 2.650 | 1513.8 | | | | | | | | |
| ISL | 3750 | 1.01 | 34.729 | | 27.85 | 33.86 | 2.737 | 1517.5 | | | | | | | | |
| ISL | 4000 | 1.00 | 34.721 | | 27.84 | 34.69 | 2.823 | 1521.9 | | | | | | | | |



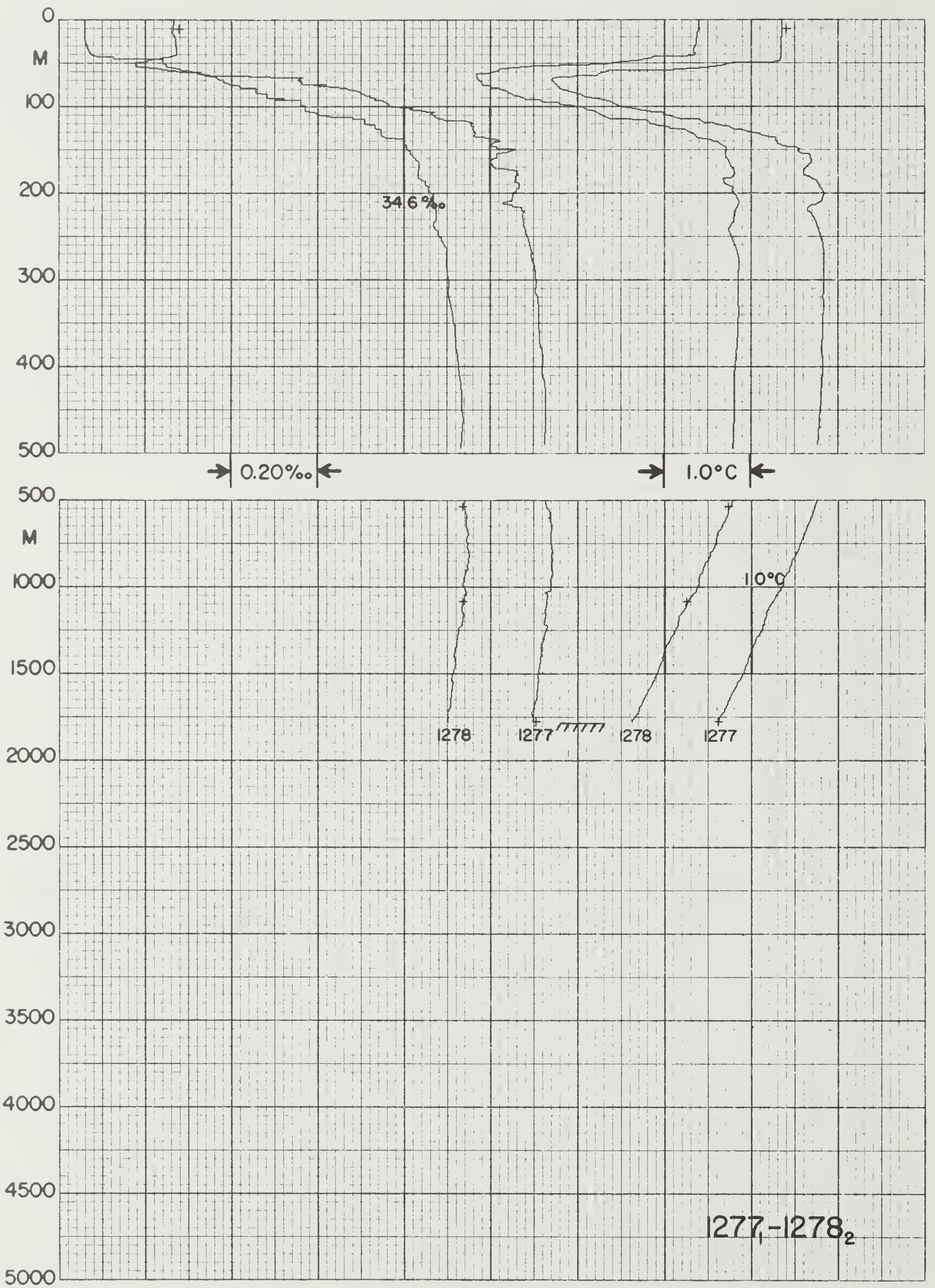
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|---|---|---|---------------------------------|-----|-----|
| EL 47 | 1271 | 1 | 3 | 16 | 2 | 71 | 15.8 | 4959.3S | 7340.3E | 472 | 942 | 5.1 | | 278 | 253 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \mu\text{g}/\text{l}$ | PHOS $10^2 \cdot \mu\text{g}/\text{l}$ | NITR $10 \cdot \mu\text{g}/\text{l}$ | SILIC $\mu\text{g}/\text{l}$ | | |
| CCM1 | 27 | 2.92 | | 33.933 | | 27.06 | | | | | 805 | 147 | | 2 | | |
| STD | 0 | 2.94 | | 33.933 | | 27.06 | | 100.80 | 0.000 | 1460.9 | | | | | | |
| STD | 10 | 2.94 | | 33.932 | | 27.06 | | 100.90 | 0.010 | 1461.1 | | | | | | |
| STD | 20 | 2.93 | | 33.932 | | 27.06 | | 100.86 | 0.020 | 1461.2 | | | | | | |
| STD | 30 | 2.92 | | 33.933 | | 27.06 | | 100.77 | 0.030 | 1461.3 | | | | | | |
| STD | 50 | 2.74 | | 33.952 | | 27.09 | | 97.98 | 0.050 | 1460.9 | | | | | | |
| STD | 75 | 2.25 | | 33.994 | | 27.17 | | 90.93 | 0.074 | 1459.2 | | | | | | |
| STD | 100 | 1.84 | | 34.041 | | 27.24 | | 84.32 | 0.096 | 1457.9 | | | | | | |
| STD | 125 | 1.47 | | 34.127 | | 27.33 | | 75.34 | 0.116 | 1456.8 | | | | | | |
| STD | 150 | 1.35 | | 34.192 | | 27.39 | | 69.63 | 0.134 | 1456.8 | | | | | | |
| STD | 200 | 1.40 | | 34.259 | | 27.45 | | 65.00 | 0.167 | 1457.9 | | | | | | |
| STD | 250 | 1.46 | | 34.333 | | 27.50 | | 60.05 | 0.199 | 1459.1 | | | | | | |
| STD | 300 | 1.75 | | 34.415 | | 27.54 | | 56.18 | 0.228 | 1461.3 | | | | | | |
| STD | 400 | 1.83 | | 34.483 | | 27.59 | | 52.06 | 0.282 | 1463.4 | | | | | | |
| STD | 500 | 1.94 | | 34.536 | | 27.63 | | 49.50 | 0.333 | 1465.6 | | | | | | |
| STD | 600 | 1.99 | | 34.581 | | 27.66 | | 46.89 | 0.381 | 1467.6 | | | | | | |
| STD | 700 | 2.03 | | 34.613 | | 27.68 | | 45.37 | 0.427 | 1469.4 | | | | | | |
| STD | 800 | 2.08 | | 34.639 | | 27.70 | | 44.31 | 0.472 | 1471.4 | | | | | | |
| STD | 900 | 2.12 | | 34.673 | | 27.72 | | 42.65 | 0.515 | 1473.2 | | | | | | |
| STD | 951 | 2.04 | | 34.691 | | 27.74 | | 40.76 | 0.537 | 1473.8 | | | | | | |
| PING | 0 | | | | | | | | | | | | | | | |
| CCM2 | 682 | 2.04 | | 34.588 | | 27.66 | | | | | 445 | 220 | | | | 72 |
| CCM2 | 931 | 2.05 | | 34.678 | | 27.73 | | | | | 439 | 220 | | | | 77 |
| CCM2 | 934 | 2.07 | | 34.692 | | 27.74 | | | | | 439 | 215 | | | | 76 |



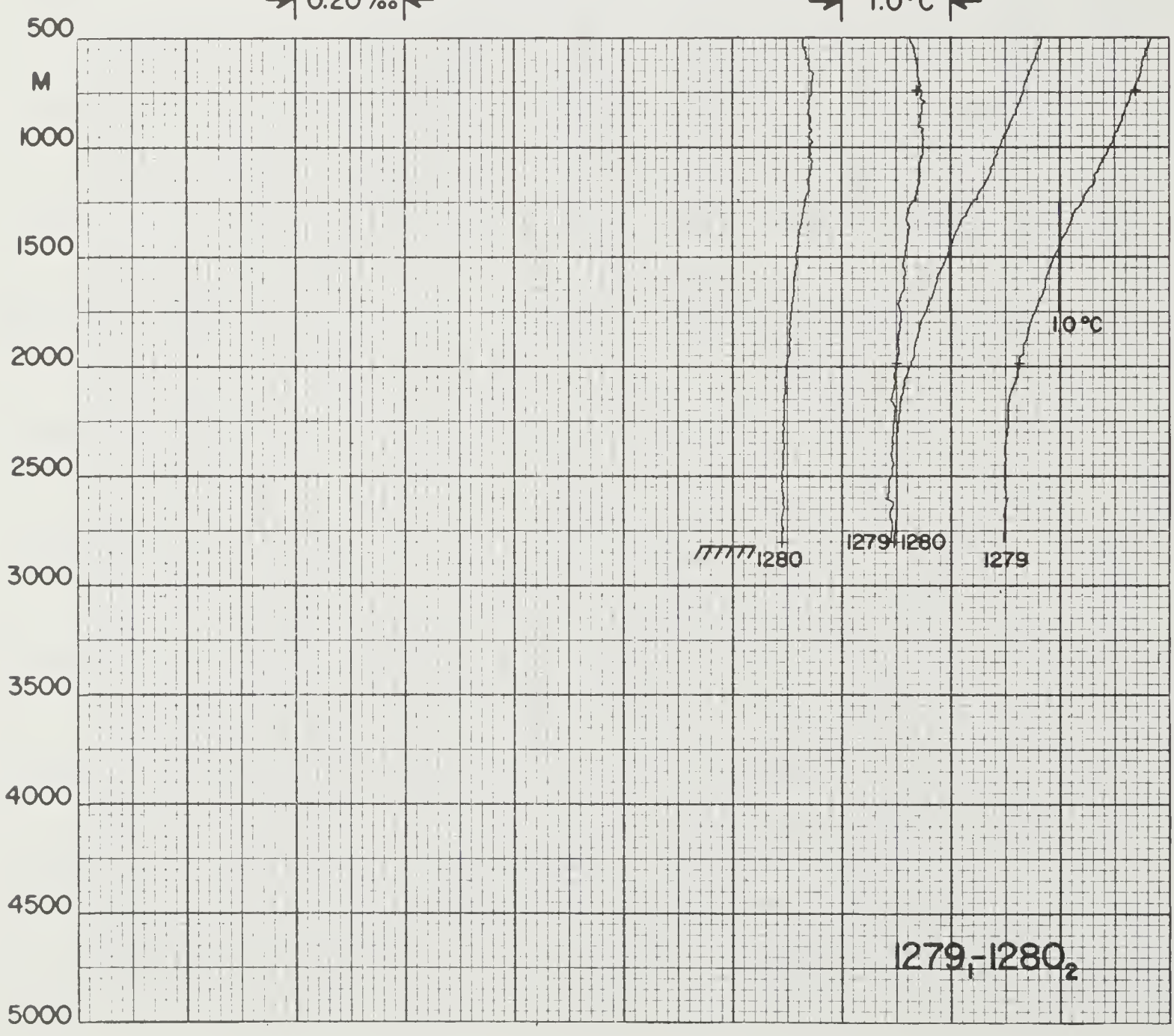
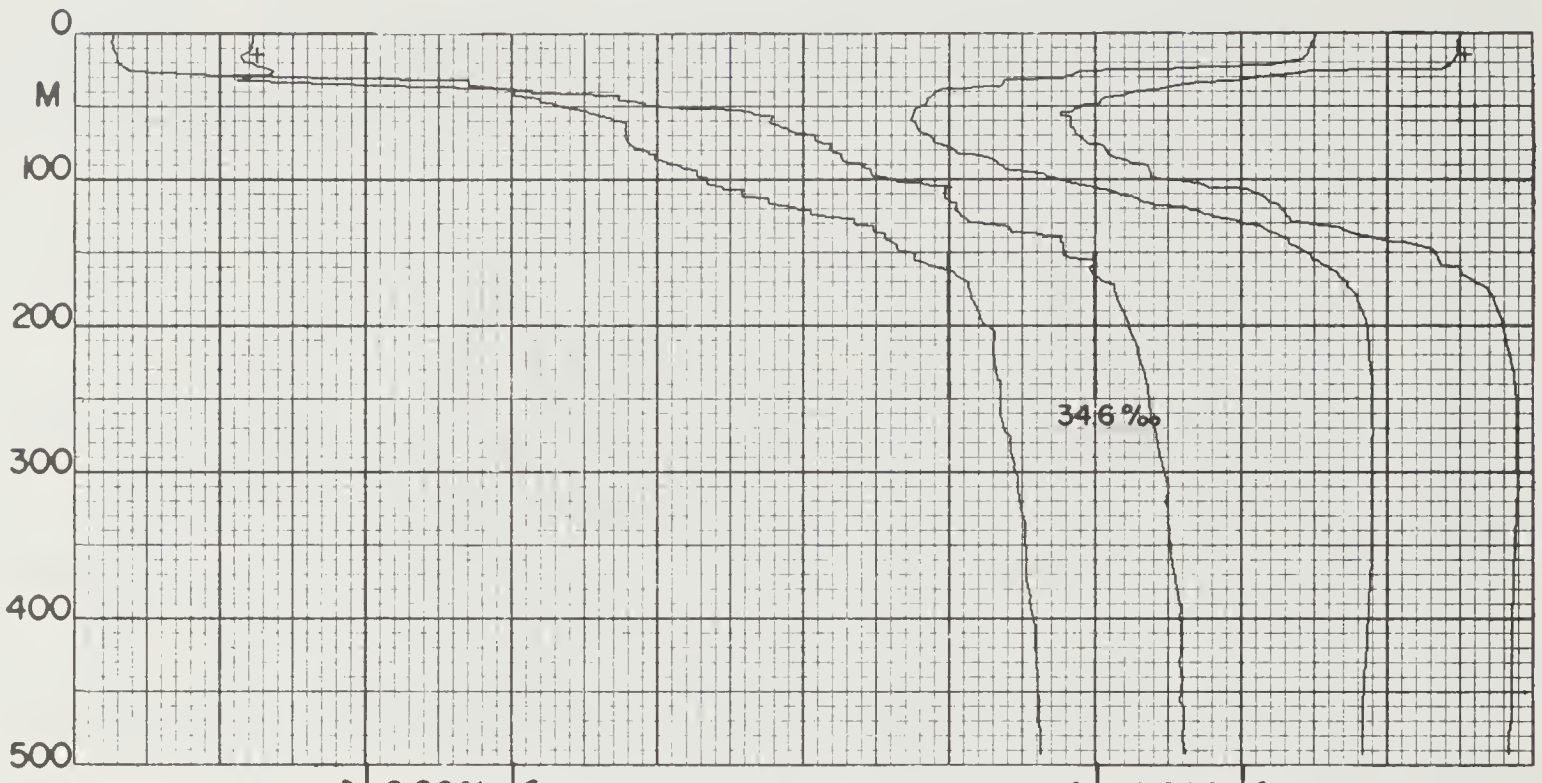
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 47 | 1273 | 1 | 3 | 18 | 2 | 71 | 5.4 | 5106.7S | 7603.4E | 508 | 1975 | 3.7 | | 305 | 313 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| COM1 | 12 | 2.03 | | 33.914 | | 27.12 | | | | | 782 | 164 | | 18 | | |
| STD | 0 | 2.02 | | 33.915 | | 27.12 | | 94.90 | 0.000 | 1456.9 | | | | | | |
| STD | 10 | 2.00 | | 33.912 | | 27.12 | | 94.95 | 0.009 | 1456.9 | | | | | | |
| STD | 20 | 1.97 | | 33.914 | | 27.13 | | 94.70 | 0.019 | 1457.0 | | | | | | |
| STD | 30 | 1.96 | | 33.918 | | 27.13 | | 94.34 | 0.028 | 1457.1 | | | | | | |
| STD | 50 | 1.89 | | 33.949 | | 27.16 | | 91.54 | 0.047 | 1457.2 | | | | | | |
| STD | 75 | 1.67 | | 33.987 | | 27.21 | | 87.17 | 0.069 | 1456.6 | | | | | | |
| STD | 100 | 1.33 | | 34.081 | | 27.31 | | 77.74 | 0.090 | 1455.7 | | | | | | |
| STD | 125 | 1.22 | | 34.139 | | 27.36 | | 72.65 | 0.109 | 1455.7 | | | | | | |
| STD | 150 | 1.17 | | 34.176 | | 27.40 | | 69.53 | 0.127 | 1455.9 | | | | | | |
| STD | 200 | 1.27 | | 34.286 | | 27.48 | | 62.06 | 0.159 | 1457.4 | | | | | | |
| STD | 250 | 1.72 | | 34.394 | | 27.53 | | 57.30 | 0.189 | 1460.3 | | | | | | |
| STD | 300 | 1.85 | | 34.427 | | 27.55 | | 56.11 | 0.218 | 1461.8 | | | | | | |
| STD | 400 | 2.00 | | 34.510 | | 27.60 | | 51.45 | 0.271 | 1464.2 | | | | | | |
| STD | 500 | 2.08 | | 34.557 | | 27.63 | | 49.04 | 0.322 | 1466.2 | | | | | | |
| STD | 600 | 2.14 | | 34.603 | | 27.67 | | 46.60 | 0.369 | 1468.2 | | | | | | |
| STD | 700 | 2.14 | | 34.630 | | 27.69 | | 45.05 | 0.415 | 1469.9 | | | | | | |
| STD | 800 | 2.14 | | 34.659 | | 27.71 | | 43.51 | 0.460 | 1471.7 | | | | | | |
| STD | 900 | 2.15 | | 34.680 | | 27.73 | | 42.40 | 0.503 | 1473.4 | | | | | | |
| STD | 1000 | 2.12 | | 34.698 | | 27.74 | | 41.34 | 0.544 | 1475.0 | | | | | | |
| STD | 1100 | 2.12 | | 34.706 | | 27.75 | | 41.26 | 0.586 | 1476.7 | | | | | | |
| STD | 1200 | 2.11 | | 34.725 | | 27.76 | | 40.16 | 0.626 | 1478.3 | | | | | | |
| STD | 1300 | 2.08 | | 34.730 | | 27.77 | | 39.91 | 0.666 | 1479.9 | | | | | | |
| STD | 1400 | 2.07 | | 34.739 | | 27.78 | | 39.67 | 0.706 | 1481.5 | | | | | | |
| STD | 1500 | 2.01 | | 34.741 | | 27.78 | | 39.30 | 0.746 | 1483.0 | | | | | | |
| STD | 1750 | 1.72 | | 34.759 | | 27.82 | | 35.66 | 0.839 | 1486.0 | | | | | | |
| STD | 2000 | 1.57 | | 34.749 | | 27.82 | | 35.60 | 0.929 | 1489.5 | | | | | | |
| STD | 2013 | 1.57 | | 34.748 | | 27.82 | | 35.63 | 0.933 | 1489.8 | | | | | | |
| PING | 31 | | | | | | | | | | | | | | | |
| COM2 | 148 | 1.15 | | 34.170 | | 27.39 | | | | | 638 | 217 | | | | 43 |
| COM2 | 804 | | | 34.649 | | | | | | | 585Q | 216 | | | | 75 |
| COM2 | 1233 | 2.07 | | 34.718 | | 27.76 | | | | | 440 | 206 | | | | 78 |
| COM2 | 1908 | 1.66 | | 34.751 | | 27.82 | | | | | 474 | 204 | | | | 88 |
| COM2 | 2019 | 1.58 | | 34.744 | | 27.82 | | | | | 473 | 201 | | | | 89 |



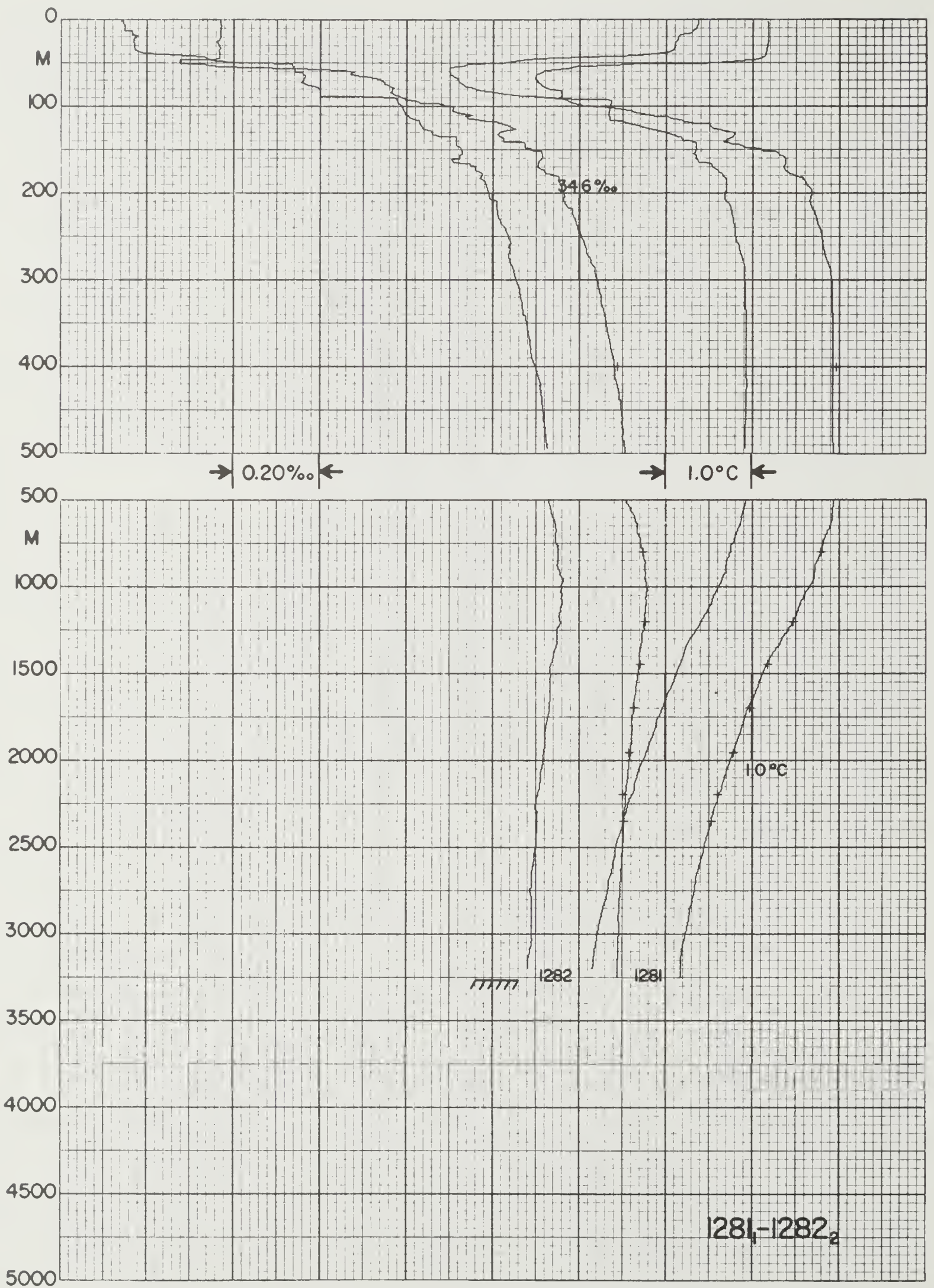
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 47 | 1275 | 1 | 3 | 19 | 2 | 71 | 8.4 | 5134.0S | 7855.4E | 508 | 3642 | 2.8 | | 273 | 263 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| COM1 | 13 | 1.96 | | 33.880 | | 27.10 | | | | | 784 | 172 | | 24 | | |
| COM1 | 1247 | 1.82 | | 34.752 | | 27.81 | | | | | 466 | 203 | | 82 | | |
| STD | 0 | 1.91 | | 33.889 | | 27.11 | | 96.06 | 0.000 | 1456.3 | | | | | | |
| STD | 10 | 1.93 | | 33.885 | | 27.11 | | 96.54 | 0.010 | 1456.6 | | | | | | |
| STD | 20 | 1.88 | | 33.855 | | 27.09 | | 98.54 | 0.019 | 1456.5 | | | | | | |
| STD | 30 | 1.81 | | 33.877 | | 27.11 | | 96.27 | 0.029 | 1456.4 | | | | | | |
| STD | 50 | 1.79 | | 33.884 | | 27.12 | | 95.70 | 0.048 | 1456.6 | | | | | | |
| STD | 75 | 1.77 | | 33.881 | | 27.12 | | 95.86 | 0.072 | 1456.9 | | | | | | |
| STD | 100 | 1.67 | | 33.875 | | 27.12 | | 95.74 | 0.096 | 1456.9 | | | | | | |
| STD | 125 | 0.38 | | 33.904 | | 27.22 | | 85.31 | 0.119 | 1451.6 | | | | | | |
| STD | 150 | 0.18 | | 34.228 | | 27.50 | | 59.57 | 0.137 | 1451.5 | | | | | | |
| STD | 200 | 1.01 | | 34.360 | | 27.55 | | 54.66 | 0.166 | 1456.3 | | | | | | |
| STD | 250 | 1.62 | | 34.450 | | 27.58 | | 52.37 | 0.192 | 1460.0 | | | | | | |
| STD | 300 | 1.82 | | 34.492 | | 27.60 | | 50.96 | 0.218 | 1461.7 | | | | | | |
| STD | 400 | 2.03 | | 34.597 | | 27.67 | | 45.19 | 0.266 | 1464.4 | | | | | | |
| STD | 500 | 2.11 | | 34.648 | | 27.70 | | 42.51 | 0.310 | 1466.5 | | | | | | |
| STD | 600 | 2.08 | | 34.684 | | 27.73 | | 40.07 | 0.351 | 1468.1 | | | | | | |
| STD | 700 | 2.10 | | 34.713 | | 27.76 | | 38.53 | 0.391 | 1469.9 | | | | | | |
| STD | 800 | 2.06 | | 34.734 | | 27.78 | | 37.05 | 0.428 | 1471.4 | | | | | | |
| STD | 900 | 1.98 | | 34.749 | | 27.79 | | 35.69 | 0.465 | 1472.8 | | | | | | |
| STD | 1000 | 1.95 | | 34.756 | | 27.80 | | 35.31 | 0.500 | 1474.3 | | | | | | |
| STD | 1100 | 1.93 | | 34.758 | | 27.81 | | 35.35 | 0.536 | 1475.9 | | | | | | |
| STD | 1200 | 1.85 | | 34.762 | | 27.81 | | 34.68 | 0.571 | 1477.2 | | | | | | |
| STD | 1300 | 1.74 | | 34.759 | | 27.82 | | 34.17 | 0.605 | 1478.4 | | | | | | |
| STD | 1400 | 1.69 | | 34.759 | | 27.82 | | 34.03 | 0.639 | 1479.9 | | | | | | |
| STD | 1500 | 1.63 | | 34.758 | | 27.83 | | 33.82 | 0.673 | 1481.3 | | | | | | |
| STD | 1750 | 1.43 | | 34.749 | | 27.84 | | 33.14 | 0.757 | 1484.7 | | | | | | |
| STD | 2000 | 1.24 | | 34.742 | | 27.84 | | 32.31 | 0.839 | 1488.1 | | | | | | |
| STD | 2250 | 1.08 | | 34.732 | | 27.85 | | 31.71 | 0.919 | 1491.6 | | | | | | |
| STD | 2500 | 0.85 | | 34.716 | | 27.85 | | 30.54 | 0.996 | 1494.9 | | | | | | |
| STD | 2750 | 0.58 | | 34.701 | | 27.85 | | 28.68 | 1.070 | 1498.0 | | | | | | |
| STD | 3000 | 0.36 | | 34.693 | | 27.86 | | 26.68 | 1.140 | 1501.4 | | | | | | |
| STD | 3250 | 0.20 | | 34.688 | | 27.86 | | 24.97 | 1.204 | 1505.0 | | | | | | |
| STD | 3500 | 0.15 | | 34.685 | | 27.86 | | 24.53 | 1.266 | 1509.2 | | | | | | |
| STD | 3619 | 0.10 | | 34.683 | | 27.87 | | 24.02 | 1.295 | 1511.0 | | | | | | |
| PING | 36 | | | | | | | | | | | | | | | |
| COM2 | 1529 | 1.60 | | 34.752 | | 27.83 | | | | | 477 | 204 | | 88 | | |
| COM2 | 2586 | 0.78 | | 34.711 | | 27.85 | | | | | 492 | 211 | | 110 | | |
| COM2 | 3104 | 0.32 | | 34.688 | | 27.86 | | | | | 519 | 220 | | 115 | | |
| COM2 | 3630 | 0.09 | | 34.681 | | 27.86 | | | | | 534 | 221 | | 119 | | |



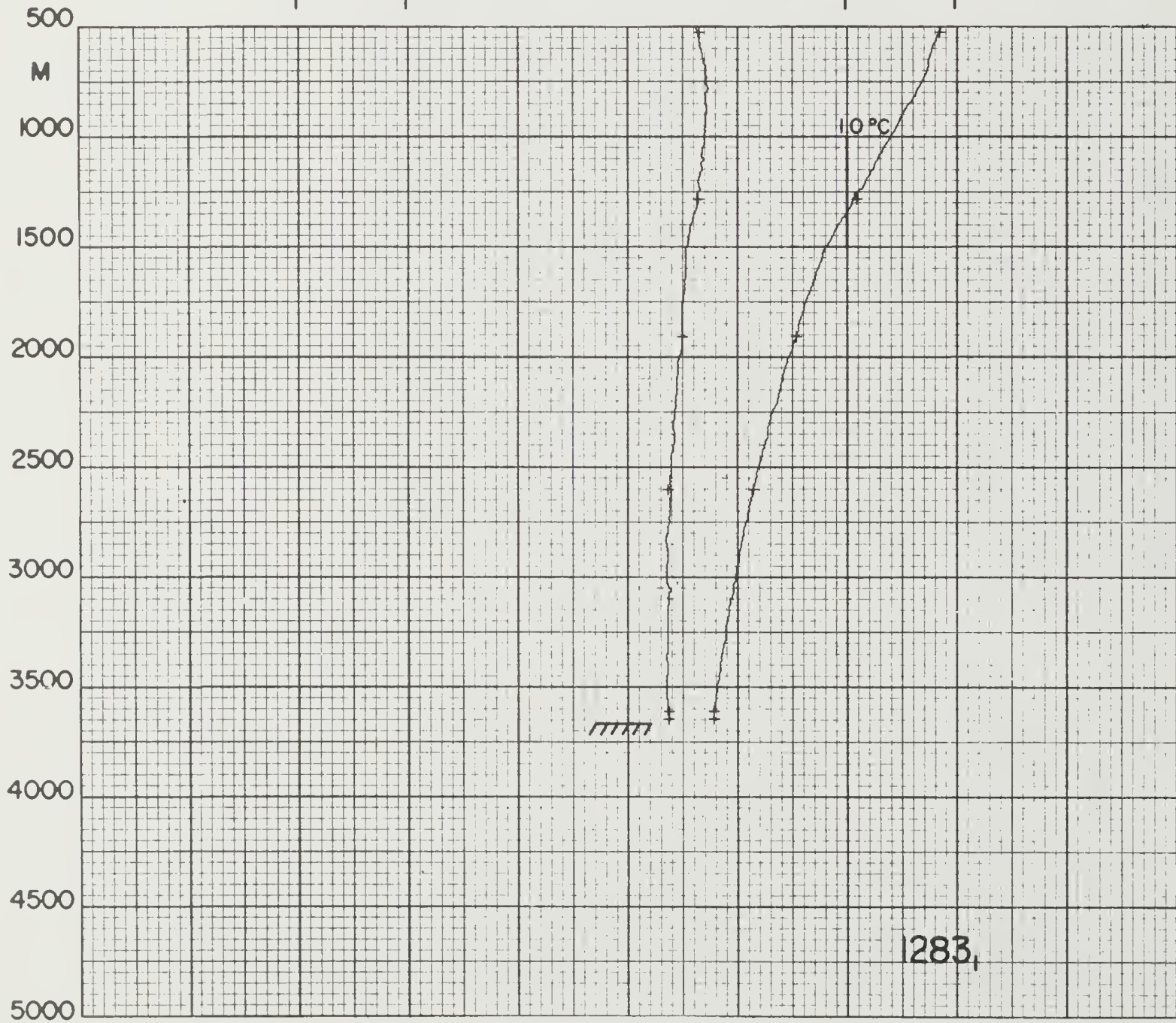
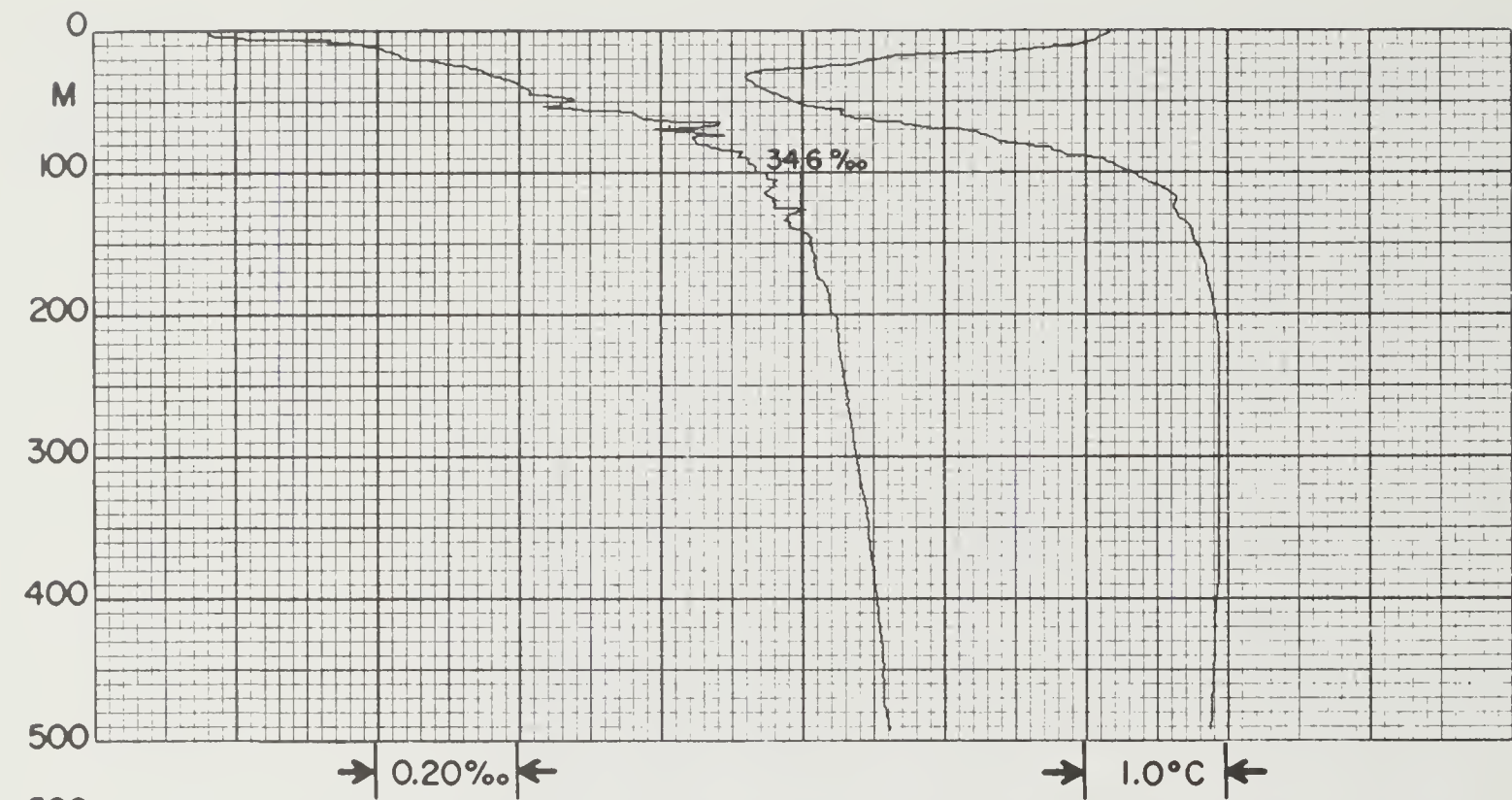
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 47 | 1277 | 1 | 3 | 23 | 2 | 71 | 1.3 | 5941.8S | 8049.0E | 507 | 1792 | 1.2 | | 314 | 322 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| COM1 | 12 | 1.41 | | 33.878 | | 27.14 | | | | | | 145 | | | | |
| COM1 | 1782 | 0.64 | | 34.706 | | 27.85 | | | | | | 226 | | | | 98 |
| STD | 0 | 1.36 | | 33.866 | | 27.13 | | 94.07 | 0.000 | 1453.9 | | | | | | |
| STD | 10 | 1.36 | | 33.864 | | 27.13 | | 94.22 | 0.009 | 1454.0 | | | | | | |
| STD | 20 | 1.36 | | 33.866 | | 27.13 | | 94.06 | 0.019 | 1454.2 | | | | | | |
| STD | 30 | 1.35 | | 33.870 | | 27.14 | | 93.73 | 0.028 | 1454.4 | | | | | | |
| STD | 50 | 1.30 | | 33.803 | | 27.09 | | 98.48 | 0.047 | 1454.3 | | | | | | |
| STD | 75 | -1.25 | | 34.163 | | 27.50 | | 58.51 | 0.067 | 1443.6 | | | | | | |
| STD | 100 | -0.53 | | 34.363 | | 27.64 | | 45.88 | 0.080 | 1447.6 | | | | | | |
| STD | 125 | 0.75 | | 34.559 | | 27.73 | | 37.84 | 0.091 | 1454.2 | | | | | | |
| STD | 150 | 1.57 | | 34.614 | | 27.72 | | 39.24 | 0.100 | 1458.3 | | | | | | |
| STD | 200 | 1.84 | | 34.657 | | 27.73 | | 38.25 | 0.120 | 1460.4 | | | | | | |
| STD | 250 | 1.81 | | 34.684 | | 27.76 | | 36.13 | 0.138 | 1461.1 | | | | | | |
| STD | 300 | 1.85 | | 34.705 | | 27.77 | | 35.12 | 0.156 | 1462.2 | | | | | | |
| STD | 400 | 1.84 | | 34.721 | | 27.78 | | 34.28 | 0.191 | 1463.8 | | | | | | |
| STD | 500 | 1.78 | | 34.727 | | 27.79 | | 33.78 | 0.225 | 1465.2 | | | | | | |
| STD | 600 | 1.71 | | 34.737 | | 27.81 | | 32.81 | 0.258 | 1466.6 | | | | | | |
| STD | 700 | 1.63 | | 34.741 | | 27.81 | | 32.23 | 0.291 | 1467.9 | | | | | | |
| STD | 800 | 1.55 | | 34.744 | | 27.82 | | 31.67 | 0.323 | 1469.2 | | | | | | |
| STD | 900 | 1.46 | | 34.742 | | 27.83 | | 31.34 | 0.354 | 1470.5 | | | | | | |
| STD | 1000 | 1.39 | | 34.739 | | 27.83 | | 31.15 | 0.385 | 1471.8 | | | | | | |
| STD | 1100 | 1.25 | | 34.731 | | 27.83 | | 30.84 | 0.416 | 1472.9 | | | | | | |
| STD | 1200 | 1.17 | | 34.726 | | 27.83 | | 30.70 | 0.447 | 1474.2 | | | | | | |
| STD | 1300 | 1.08 | | 34.724 | | 27.84 | | 30.24 | 0.477 | 1475.5 | | | | | | |
| STD | 1400 | 1.00 | | 34.717 | | 27.84 | | 30.16 | 0.508 | 1476.8 | | | | | | |
| STD | 1500 | 0.93 | | 34.711 | | 27.84 | | 30.11 | 0.538 | 1478.2 | | | | | | |
| STD | 1750 | 0.67 | | 34.697 | | 27.84 | | 28.82 | 0.611 | 1481.2 | | | | | | |
| STD | 1780 | 0.64 | | 34.702 | | 27.85 | | 28.24 | 0.620 | 1481.6 | | | | | | |
| PING | 11 | | | | | | | | | | | | | | | |
| COM2 | 546 | 1.75 | | 34.736 | | 27.80 | | | | | | 212 | | | | 68 |
| COM2 | 1092 | 1.27 | | 34.736 | | 27.84 | | | | | | 210 | | | | 75 |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 47 | 1279 | 1 | 3 | 24 | 2 | 71 | 7.4 | 6223.3S | 8047.3E | 543 | 2799 | 1.7 | | 334 | 323 | |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| COM1 | 16 | 1.53 | 33.452 | 26.79 | | | | | | | | 102 | | | | |
| COM1 | 747 | 1.70 | 34.741 | 27.81 | | | | | | | | 213 | | | | 70 |
| COM1 | 1989 | 0.64 | 34.704 | 27.85 | | | | | | | | 224 | | | | 89 |
| STD | 0 | 1.50 | 33.448 | 26.79 | 126.65 | 0.000 | 1453.9 | | | | | | | | | |
| STD | 10 | 1.48 | 33.445 | 26.79 | 126.79 | 0.013 | 1454.0 | | | | | | | | | |
| STD | 20 | 1.45 | 33.436 | 26.78 | 127.33 | 0.025 | 1454.0 | | | | | | | | | |
| STD | 30 | 0.23 | 33.421 | 26.84 | 121.43 | 0.038 | 1448.6 | | | | | | | | | |
| STD | 50 | -1.04 | 33.983 | 27.35 | 73.10 | 0.057 | 1443.9 | | | | | | | | | |
| STD | 75 | -1.06 | 34.222 | 27.55 | 54.62 | 0.073 | 1444.5 | | | | | | | | | |
| STD | 100 | -0.58 | 34.312 | 27.60 | 49.59 | 0.086 | 1447.3 | | | | | | | | | |
| STD | 125 | 0.31 | 34.416 | 27.64 | 46.06 | 0.098 | 1452.0 | | | | | | | | | |
| STD | 150 | 1.32 | 34.558 | 27.69 | 41.71 | 0.109 | 1457.1 | | | | | | | | | |
| STD | 200 | 1.80 | 34.647 | 27.73 | 38.65 | 0.129 | 1460.2 | | | | | | | | | |
| STD | 250 | 1.88 | 34.675 | 27.74 | 37.47 | 0.148 | 1461.4 | | | | | | | | | |
| STD | 300 | 1.90 | 34.697 | 27.76 | 36.11 | 0.167 | 1462.3 | | | | | | | | | |
| STD | 400 | 1.86 | 34.719 | 27.78 | 34.59 | 0.202 | 1463.9 | | | | | | | | | |
| STD | 500 | 1.84 | 34.727 | 27.79 | 34.27 | 0.236 | 1465.5 | | | | | | | | | |
| STD | 600 | 1.77 | 34.739 | 27.80 | 33.18 | 0.270 | 1466.8 | | | | | | | | | |
| STD | 700 | 1.72 | 34.744 | 27.81 | 32.81 | 0.303 | 1468.3 | | | | | | | | | |
| STD | 800 | 1.64 | 34.755 | 27.82 | 31.65 | 0.335 | 1469.6 | | | | | | | | | |
| STD | 900 | 1.56 | 34.745 | 27.82 | 32.00 | 0.367 | 1470.9 | | | | | | | | | |
| STD | 1000 | 1.47 | 34.753 | 27.84 | 30.89 | 0.399 | 1472.2 | | | | | | | | | |
| STD | 1100 | 1.36 | 34.745 | 27.84 | 30.79 | 0.430 | 1473.4 | | | | | | | | | |
| STD | 1200 | 1.27 | 34.741 | 27.84 | 30.47 | 0.460 | 1474.6 | | | | | | | | | |
| STD | 1300 | 1.14 | 34.726 | 27.84 | 30.67 | 0.491 | 1475.8 | | | | | | | | | |
| STD | 1400 | 1.05 | 34.725 | 27.84 | 30.11 | 0.521 | 1477.1 | | | | | | | | | |
| STD | 1500 | 0.96 | 34.719 | 27.84 | 29.81 | 0.551 | 1478.3 | | | | | | | | | |
| STD | 1750 | 0.79 | 34.711 | 27.85 | 29.12 | 0.625 | 1481.8 | | | | | | | | | |
| STD | 2000 | 0.64 | 34.703 | 27.85 | 28.38 | 0.697 | 1485.4 | | | | | | | | | |
| STD | 2250 | 0.54 | 34.700 | 27.85 | 27.82 | 0.767 | 1489.2 | | | | | | | | | |
| STD | 2500 | 0.51 | 34.695 | 27.85 | 28.00 | 0.837 | 1493.4 | | | | | | | | | |
| STD | 2750 | 0.51 | 34.695 | 27.85 | 28.16 | 0.907 | 1497.7 | | | | | | | | | |
| STD | 2803 | 0.50 | 34.694 | 27.85 | 28.24 | 0.922 | 1498.6 | | | | | | | | | |
| PING | 18 | | | | | | | | | | | | | | | |
| COM2 | 2805 | 0.50 | 34.694 | 27.85 | | | | | | | | 224 | | | | 96 |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 47 | 1281 | 1 | 3 | 24 | 2 | 71 | 18.2 | 6253.8S | 8033.2E | 543 | 3233 | 1.2 | | 312 | 322 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS1 | 400 | 1.95 | | 34.686 | | 27.75 | | | | | | | | | | |
| OBS1 | 799 | 1.78 | | 34.746 | | 27.81 | | | | | | | | | | |
| OBS1 | 1198 | 1.46 | | 34.752 | | 27.84 | | | | | | | | | | |
| OBS1 | 1447 | 1.17 | | 34.740 | | 27.85 | | | | | | | | | | |
| OBS1 | 1696 | 0.96 | | 34.726 | | 27.85 | | | | | | | | | | |
| OBS1 | 1955 | 0.77 | | 34.714 | | 27.85 | | | | | | | | | | |
| OBS1 | 2195 | 0.59 | | 34.701 | | 27.85 | | | | | | | | | | |
| OBS1 | 2350 | 0.52 | | 34.702 | | 27.86 | | | | | | | | | | |
| STD | 0 | 1.15 | | 33.766 | | 27.07 | | 100.33 | 0.000 | 1452.8 | | | | | | |
| STD | 10 | 1.16 | | 33.767 | | 27.07 | | 100.29 | 0.010 | 1453.0 | | | | | | |
| STD | 20 | 1.16 | | 33.766 | | 27.07 | | 100.40 | 0.020 | 1453.2 | | | | | | |
| STD | 30 | 1.15 | | 33.762 | | 27.06 | | 100.67 | 0.030 | 1453.3 | | | | | | |
| STD | 50 | 0.49 | | 33.672 | | 27.03 | | 103.63 | 0.051 | 1450.5 | | | | | | |
| STD | 75 | -1.46 | | 34.146 | | 27.50 | | 59.14 | 0.071 | 1442.6 | | | | | | |
| STD | 100 | -0.92 | | 34.294 | | 27.60 | | 49.60 | 0.084 | 1445.7 | | | | | | |
| STD | 125 | 0.52 | | 34.443 | | 27.65 | | 45.29 | 0.096 | 1453.0 | | | | | | |
| STD | 150 | 1.08 | | 34.485 | | 27.65 | | 45.56 | 0.108 | 1455.9 | | | | | | |
| STD | 200 | 1.66 | | 34.560 | | 27.67 | | 44.19 | 0.130 | 1459.5 | | | | | | |
| STD | 250 | 1.78 | | 34.601 | | 27.69 | | 42.19 | 0.152 | 1460.9 | | | | | | |
| STD | 300 | 1.89 | | 34.639 | | 27.71 | | 40.44 | 0.172 | 1462.2 | | | | | | |
| STD | 400 | 1.91 | | 34.680 | | 27.74 | | 37.99 | 0.212 | 1464.0 | | | | | | |
| STD | 500 | 1.92 | | 34.704 | | 27.76 | | 36.68 | 0.249 | 1465.8 | | | | | | |
| STD | 600 | 1.91 | | 34.726 | | 27.78 | | 35.37 | 0.285 | 1467.4 | | | | | | |
| STD | 700 | 1.84 | | 34.735 | | 27.79 | | 34.49 | 0.320 | 1468.8 | | | | | | |
| STD | 800 | 1.78 | | 34.745 | | 27.81 | | 33.69 | 0.354 | 1470.2 | | | | | | |
| STD | 900 | 1.71 | | 34.751 | | 27.82 | | 32.97 | 0.387 | 1471.6 | | | | | | |
| STD | 1000 | 1.65 | | 34.755 | | 27.82 | | 32.41 | 0.420 | 1473.0 | | | | | | |
| STD | 1100 | 1.54 | | 34.754 | | 27.83 | | 31.86 | 0.452 | 1474.2 | | | | | | |
| STD | 1200 | 1.46 | | 34.750 | | 27.83 | | 31.72 | 0.484 | 1475.5 | | | | | | |
| STD | 1300 | 1.33 | | 34.744 | | 27.84 | | 31.13 | 0.515 | 1476.6 | | | | | | |
| STD | 1400 | 1.21 | | 34.738 | | 27.84 | | 30.64 | 0.546 | 1477.8 | | | | | | |
| STD | 1500 | 1.11 | | 34.735 | | 27.85 | | 30.14 | 0.577 | 1479.0 | | | | | | |
| STD | 1750 | 0.90 | | 34.722 | | 27.85 | | 29.48 | 0.651 | 1482.3 | | | | | | |
| STD | 2000 | 0.73 | | 34.715 | | 27.85 | | 28.61 | 0.724 | 1485.8 | | | | | | |
| STD | 2250 | 0.57 | | 34.705 | | 27.86 | | 27.75 | 0.794 | 1489.4 | | | | | | |
| STD | 2500 | 0.44 | | 34.701 | | 27.86 | | 26.79 | 0.862 | 1493.1 | | | | | | |
| STD | 2750 | 0.33 | | 34.694 | | 27.86 | | 26.00 | 0.928 | 1496.9 | | | | | | |
| STD | 3000 | 0.22 | | 34.691 | | 27.87 | | 24.94 | 0.992 | 1500.8 | | | | | | |
| STD | 3250 | 0.17 | | 34.688 | | 27.87 | | 24.58 | 1.054 | 1504.9 | | | | | | |
| STD | 3252 | 0.17 | | 34.688 | | 27.87 | | 24.65 | 1.054 | 1505.0 | | | | | | |
| PING | 18 | | | | | | | | | | | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 47 | 1283 | 1 | 3 | 25 | 2 | 71 | 9.8 | 6407.0S | 8024.6E | 543 | 3637 | 1.1 | | 194 | 0 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| COM1 | 530 | 1.84 | | 34.731 | | 27.79 | | | | | 447 | 209 | | 83 | | |
| COM1 | 1283 | 1.09 | | 34.729 | | 27.84 | | | | | 488 | 213 | | 101 | | |
| COM1 | 1910 | 0.54 | | 34.699 | | 27.85 | | | | | 500 | 227 | | 112 | | |
| COM1 | 2603 | 0.15 | | 34.675 | | 27.86 | | | | | 525 | 228 | | 119 | | |
| COM1 | 3615 | -0.21 | | 34.677 | | 27.88 | | | | | 559 | 223 | | 115 | | |
| COM1 | 3650 | -0.21 | | 34.676 | | 27.88 | | | | | 564 | 223 | | 116 | | |
| | | | | | | | | | | | | | | | | |
| STD | 0 | 1.16 | | 33.760 | | 27.06 | 100.90 | 0.000 | | 1452.9 | | | | | | |
| STD | 10 | 0.96 | | 33.971 | | 27.24 | 83.61 | 0.009 | | 1452.4 | | | | | | |
| STD | 20 | -0.44 | | 34.039 | | 27.37 | 71.25 | 0.017 | | 1446.3 | | | | | | |
| STD | 30 | -1.36 | | 34.150 | | 27.50 | 59.44 | 0.024 | | 1442.3 | | | | | | |
| STD | 50 | -1.08 | | 34.269 | | 27.58 | 51.09 | 0.035 | | 1444.1 | | | | | | |
| STD | 75 | 0.29 | | 34.474 | | 27.69 | 41.58 | 0.046 | | 1451.1 | | | | | | |
| STD | 100 | 1.30 | | 34.533 | | 27.67 | 43.33 | 0.057 | | 1456.2 | | | | | | |
| STD | 125 | 1.61 | | 34.558 | | 27.67 | 43.67 | 0.068 | | 1458.0 | | | | | | |
| STD | 150 | 1.76 | | 34.609 | | 27.70 | 41.04 | 0.078 | | 1459.2 | | | | | | |
| STD | 200 | 1.91 | | 34.642 | | 27.71 | 39.91 | 0.098 | | 1460.7 | | | | | | |
| STD | 250 | 1.93 | | 34.660 | | 27.73 | 38.98 | 0.118 | | 1461.6 | | | | | | |
| STD | 300 | 1.93 | | 34.674 | | 27.74 | 38.08 | 0.137 | | 1462.5 | | | | | | |
| STD | 400 | 1.91 | | 34.705 | | 27.76 | 36.13 | 0.175 | | 1464.1 | | | | | | |
| STD | 500 | 1.86 | | 34.723 | | 27.78 | 34.75 | 0.210 | | 1465.5 | | | | | | |
| STD | 600 | 1.78 | | 34.732 | | 27.80 | 33.77 | 0.244 | | 1466.8 | | | | | | |
| STD | 700 | 1.73 | | 34.742 | | 27.81 | 33.00 | 0.278 | | 1468.3 | | | | | | |
| STD | 800 | 1.63 | | 34.743 | | 27.82 | 32.45 | 0.310 | | 1469.5 | | | | | | |
| STD | 900 | 1.51 | | 34.743 | | 27.83 | 31.64 | 0.342 | | 1470.7 | | | | | | |
| STD | 1000 | 1.40 | | 34.741 | | 27.83 | 31.15 | 0.374 | | 1471.9 | | | | | | |
| STD | 1100 | 1.28 | | 34.736 | | 27.84 | 30.74 | 0.405 | | 1473.0 | | | | | | |
| STD | 1200 | 1.17 | | 34.728 | | 27.84 | 30.53 | 0.435 | | 1474.2 | | | | | | |
| STD | 1300 | 1.05 | | 34.726 | | 27.84 | 29.77 | 0.466 | | 1475.4 | | | | | | |
| STD | 1400 | 0.93 | | 34.716 | | 27.84 | 29.49 | 0.495 | | 1476.5 | | | | | | |
| STD | 1500 | 0.82 | | 34.708 | | 27.84 | 29.21 | 0.525 | | 1477.7 | | | | | | |
| STD | 1750 | 0.63 | | 34.702 | | 27.85 | 28.11 | 0.596 | | 1481.1 | | | | | | |
| STD | 2000 | 0.48 | | 34.695 | | 27.85 | 27.33 | 0.665 | | 1484.7 | | | | | | |
| STD | 2250 | 0.33 | | 34.687 | | 27.86 | 26.40 | 0.733 | | 1488.3 | | | | | | |
| STD | 2500 | 0.20 | | 34.680 | | 27.86 | 25.49 | 0.797 | | 1492.0 | | | | | | |
| STD | 2750 | 0.09 | | 34.677 | | 27.86 | 24.35 | 0.860 | | 1495.8 | | | | | | |
| STD | 3000 | -0.01 | | 34.672 | | 27.86 | 23.44 | 0.920 | | 1499.7 | | | | | | |
| STD | 3250 | -0.10 | | 34.674 | | 27.87 | 22.05 | 0.976 | | 1503.7 | | | | | | |
| STD | 3500 | -0.18 | | 34.672 | | 27.87 | 21.00 | 1.030 | | 1507.8 | | | | | | |
| STD | 3650 | -0.21 | | 34.677 | | 27.88 | 20.09 | 1.061 | | 1510.3 | | | | | | |
| PING | 15 | | | | | | | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 47 | 1284 | 0 | | 25 | 2 | 71 | 18.9 | 6403.9S | 8034.4E | 543 | 3637 | -0.5 | | 204 | 192 | 29 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{got/l}$ | NITR $10 \cdot \mu\text{got/l}$ | SILIC $\mu\text{got/l}$ | | |
| OBS | 1 | 1.40 | | 33.694 | | 26.99 | | | | 1453.8 | 812 | 131 | | | | 9 |
| OBS | 60 | | | 34.171 | | | | | | | 685 | 216 | | | | 53 |
| OBS | 149 | | | 34.584 | | | | | | | 420 | 236 | | | | 77 |
| OBS | 273 | | | 34.673 | | | | | | | 420 | 231 | | | | 80 |
| OBS | 322 | 1.96 | | 34.696 | | 27.75 | | | | 1463.0 | 445 | 227 | | | | 81 |
| OBS | 372 | | | 34.706 | | | | | | | 434 | 223 | | | | 81 |
| OBS | 471 | | | 34.726 | | | | | | | 439 | 222 | | | | 82 |
| OBS | 594 | | | 34.741 | | | | | | | 456 | 216 | | | | 85 |
| OBS | 693 | 1.64 | | 34.745 | | 27.82 | | | | 1467.8 | 538Q | 216 | | | | 96 |
| OBS | 742 | | | 34.746 | | | | | | | 469 | 206 | | | | 87 |
| OBS | 940 | | | 34.748 | | | | | | | 469 | 215 | | | | 91 |
| OBS | 1185 | | | 34.732 | | | | | | | 472 | 216 | | | | 99 |
| OBS | 1190 | 1.15 | | 34.735 | | 27.84 | | | | 1474.0 | | | | | | 98 |
| OBS | 1506Q | 0.86 | | 34.716 | | 27.85 | | | | 1478.0 | | 225 | | | | |
| OBS | 1530Q | | | 34.716 | | | | | | | 486 | 222 | | | | 105 |
| OBS | 1774 | 0.62 | | 34.710 | | 27.86 | | | | 1481.5 | 483 | 223 | | | | 110 |
| OBS | 1798 | | | 34.699 | | | | | | | 485 | 226 | | | | 111 |
| OBS | 1947 | 0.50 | | 34.698 | | 27.86 | | | | 1483.9 | 480 | 225 | | | | 113 |
| OBS | 2095 | | | 34.690 | | | | | | | 520Q | 221 | | | | 115 |
| OBS | 2392 | | | 34.680 | | | | | | | 477Q | 230 | | | | 116 |
| OBS | 2689 | | | 34.674 | | | | | | | 514 | 230 | | | | 119 |
| OBS | 2838 | 0.04 | | 34.676 | | 27.86 | | | | 1497.2 | 529 | 226 | | | | 118 |
| OBS | 2986 | | | 34.672 | | | | | | | 526 | 227 | | | | 118 |
| OBS | 3283 | | | 34.674 | | | | | | | 541 | 227 | | | | 117 |
| OBS | 3382 | -0.14 | | 34.674 | | 27.87 | | | | 1505.9 | 545 | 225 | | | | 114 |
| OBS | 3481 | | | 34.671 | | | | | | | 549 | 226 | | | | 114 |
| OBS | 3580 | | | 34.676 | | | | | | | 558 | 222 | | | | 115 |
| OBS | 3630 | | | 34.674 | | | | | | | 564 | 225 | | | | 116 |
| OBS | 3635 | -0.22 | | 34.676 | | 27.88 | | | | 1510.0 | 556 | 226 | | | | 114 |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 47 | 1285 | 0 | | 26 | 2 | 71 | 10.3 | 6532.5S | 8026.7E | 543 | 2803 | -2.2 | | 234 | 233 | 9 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 513 | 1.05 | | 34.703 | | 27.82 | | | | 1462.2 | 490 | 213 | | 87 | | |
| OBS | 1010 | 0.66 | | 34.701 | | 27.85 | | | | 1468.7 | 503 | 212 | | 102 | | |
| OBS | 1509 | 0.34 | | 34.686 | | 27.86 | | | | 1475.7 | 499 | 198 | | 110 | | |
| OBS | 2009 | 0.11 | | 34.684 | | 27.87 | | | | 1483.1 | 522 | 202 | | 120 | | |
| OBS | 2309 | | | 34.678 | | | | | | | 526 | 202 | | 120 | | |
| OBS | 2509 | -0.07 | | 34.678 | | 27.87 | | | | 1490.9 | 530 | 198 | | 117 | | |
| OBS | 2709 | -0.10 | | 34.679 | | 27.87 | | | | 1494.2 | 535 | 199 | | 115 | | |
| OBS | 2759 | -0.10 | | 34.678 | | 27.87 | | | | 1495.1 | 544 | 200 | | 113 | | |
| OBS | 2784 | -0.11 | | 34.680 | | 27.87 | | | | 1495.5 | 552 | 216 | | 113 | | |
| PING | 14 | | | | | | | | | | | | | | | |

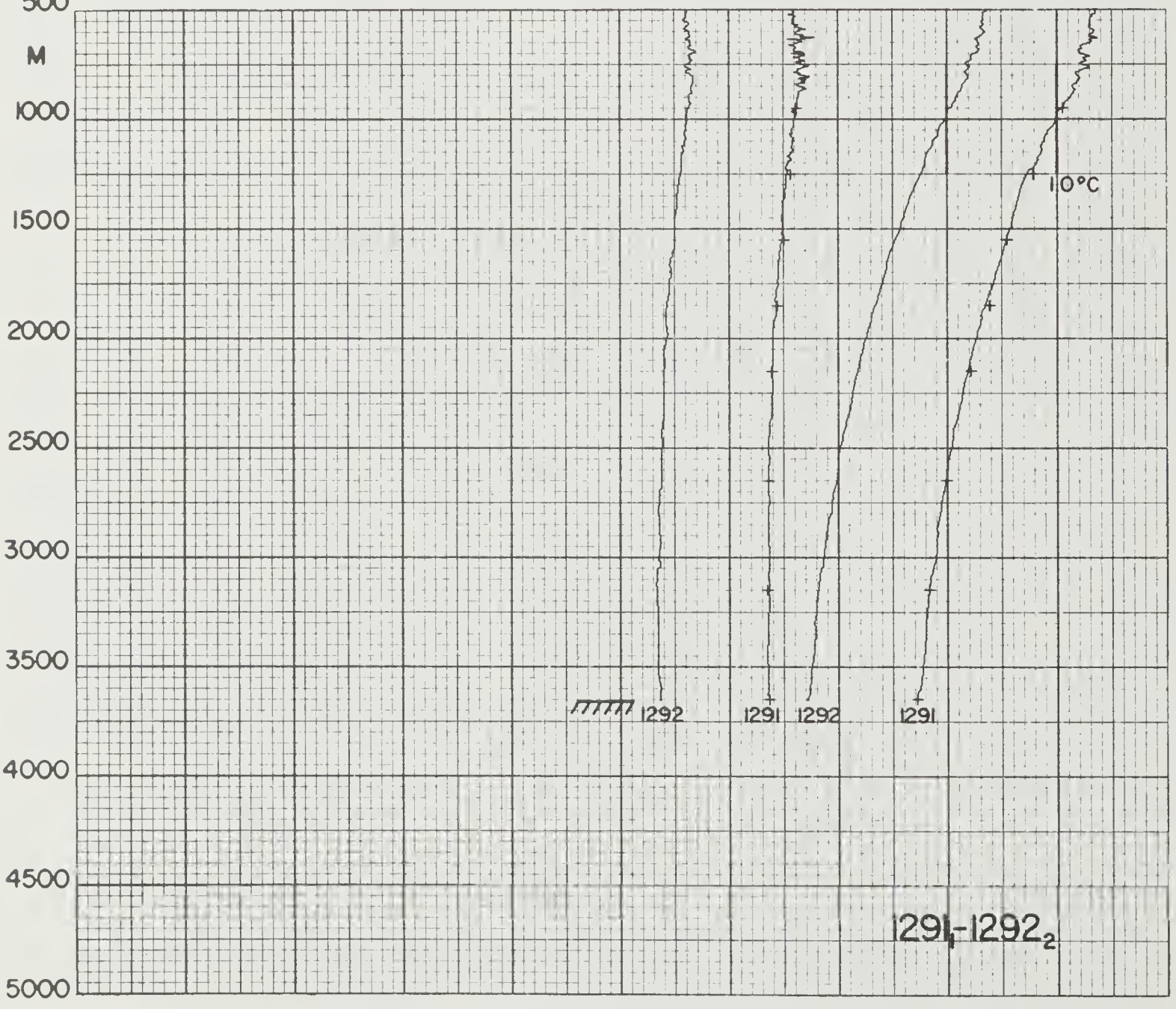
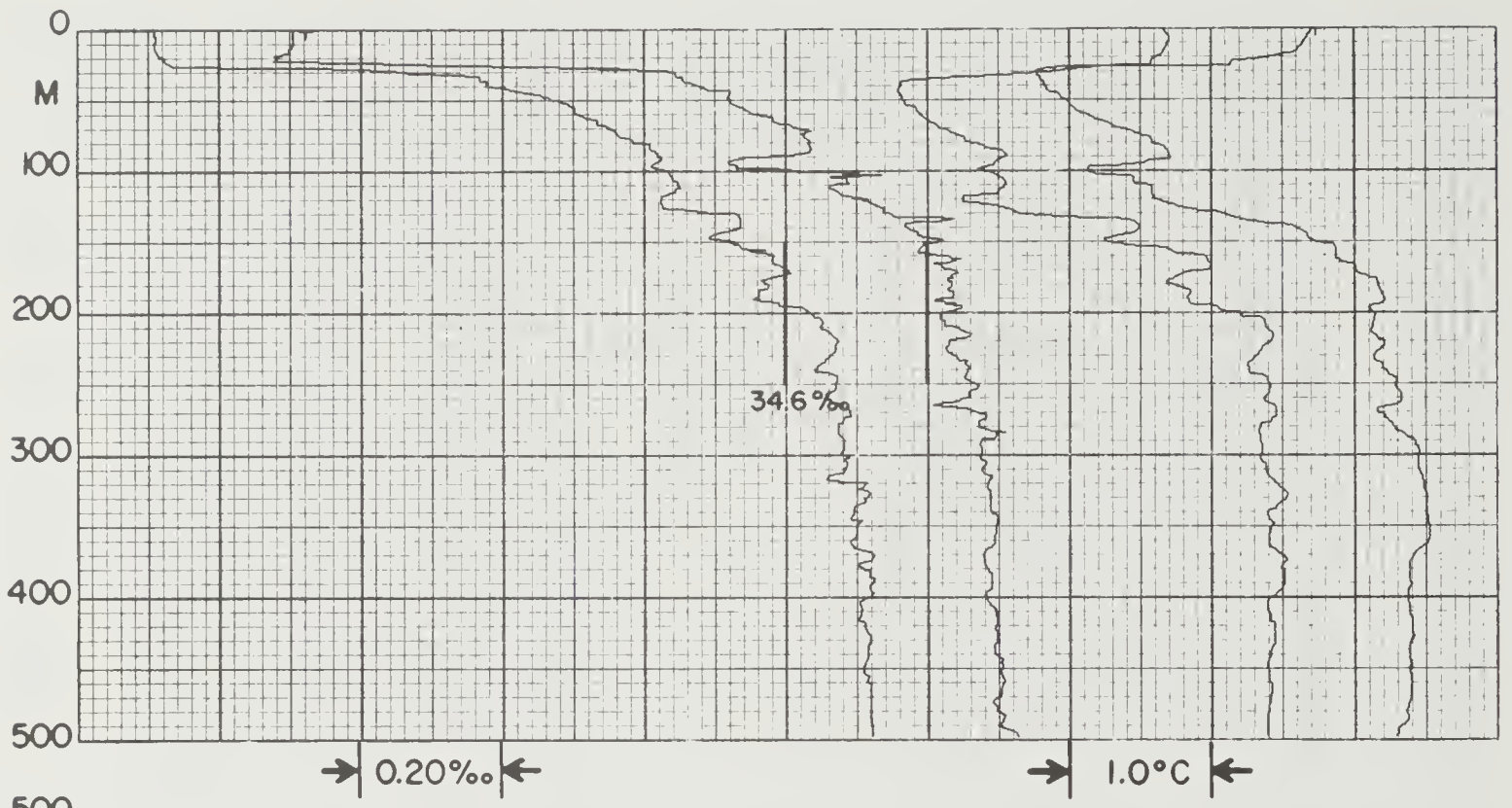
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 47 | 1286 | 0 | | 28 | 2 | 71 | 11.7 | 6632.5S | 7809.5E | 544 | 973 | -2.0 | | 114 | 0 | 25 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 1 | -1.48 | | 32.822 | | 26.43 | | | | 1439.4 | 912 | 102 | | 8 | | |
| OBS | 10 | -1.63 | | 32.812 | | 26.42 | | | | 1438.8 | 909 | 103 | | 8 | | |
| OBS | 35 | -1.78 | | 33.882 | | 27.29 | | | | 1440.0 | 758 | 202 | | 51 | | |
| OBS | 60 | -1.80 | | 34.217 | | 27.56 | | | | 1440.8 | 726 | 209 | | 60 | | |
| OBS | 85 | -1.79 | | 34.305 | | 27.63 | | | | 1441.4 | 727 | 207 | | 60 | | |
| OBS | 110 | -1.78 | | 34.348 | | 27.67 | | | | 1441.9 | 735 | 205 | | 60 | | |
| OBS | 135 | -1.74 | | 34.367 | | 27.68 | | | | 1442.6 | 731 | 207 | | 60 | | |
| OBS | 160 | -1.78 | | 34.373 | | 27.69 | | | | 1442.8 | 736 | 205 | | 60 | | |
| OBS | 185 | -1.63 | | 34.392 | | 27.70 | | | | 1443.9 | 718 | 207 | | 61 | | |
| OBS | 210 | -1.57 | | 34.403 | | 27.71 | | | | 1444.6 | 719 | 208 | | 61 | | |
| OBS | 235 | -1.60 | | 34.437 | | 27.74 | | | | 1445.0 | 721 | 208 | | 61 | | |
| OBS | 260 | -1.27 | | 34.438 | | 27.73 | | | | 1446.9 | 750 | 208 | | 65 | | |
| OBS | 305 | -1.30 | | 34.441 | | 27.73 | | | | 1447.5 | 692 | 207 | | 64 | | |
| OBS | 362 | -0.48 | | 34.530 | | 27.77 | | | | 1452.4 | 626 | 217 | | 73 | | |
| OBS | 461 | -0.17 | | 34.586 | | 27.80 | | | | 1455.6 | 590 | 217 | | 79 | | |
| OBS | 561 | -0.43 | | 34.588 | | 27.82 | | | | 1456.0 | 604 | 211 | | 82 | | |
| OBS | 661 | 0.16 | | 34.642 | | 27.83 | | | | 1460.5 | 572 | 221 | | 92 | | |
| OBS | 711 | 0.28 | | 34.662 | | 27.84 | | | | 1461.9 | 532 | 223 | | 95 | | |
| OBS | 761 | 0.29 | | 34.670 | | 27.84 | | | | 1462.8 | 520 | 247Q | | 99 | | |
| OBS | 811 | 0.26 | | 34.678 | | 27.85 | | | | 1463.5 | 520 | 221 | | 101 | | |
| OBS | 861 | 0.25 | | 34.672 | | 27.85 | | | | 1464.3 | 520 | 227 | | 103 | | |
| OBS | 891 | 0.25 | | 34.672 | | 27.85 | | | | 1464.8 | 519 | 222 | | 103 | | |
| OBS | 916 | 0.26 | | 34.674 | | 27.85 | | | | 1465.2 | 519 | 224 | | 105 | | |
| OBS | 941 | 0.26 | | 34.676 | | 27.85 | | | | 1465.7 | 517 | 224 | | 106 | | |
| OBS | 951 | 0.26 | | 34.678 | | 27.85 | | | | 1465.8 | 518 | 223 | | 106 | | |
| PING | 19 | | | | | | | | | | | | | | | |
| ISL | 0 | -1.48 | | 32.822 | | 26.43 | | 161.12 | 0.000 | 1439.4 | | | | | | |
| ISL | 10 | -1.63 | | 32.812 | | 26.42 | | 161.47 | 0.016 | 1438.8 | | | | | | |
| ISL | 20 | -1.73 | | 33.240 | | 26.77 | | 128.32 | 0.031 | 1439.1 | | | | | | |
| ISL | 30 | -1.76 | | 33.726 | | 27.16 | | 90.81 | 0.042 | 1439.8 | | | | | | |
| ISL | 50 | -1.80 | | 34.141 | | 27.50 | | 58.81 | 0.057 | 1440.5 | | | | | | |
| ISL | 75 | -1.79 | | 34.280 | | 27.61 | | 47.99 | 0.070 | 1441.2 | | | | | | |
| ISL | 100 | -1.78 | | 34.336 | | 27.66 | | 43.56 | 0.081 | 1441.7 | | | | | | |
| ISL | 125 | -1.76 | | 34.362 | | 27.68 | | 41.47 | 0.092 | 1442.3 | | | | | | |
| ISL | 150 | -1.76 | | 34.370 | | 27.69 | | 40.72 | 0.102 | 1442.7 | | | | | | |
| ISL | 200 | -1.58 | | 34.399 | | 27.71 | | 38.73 | 0.122 | 1444.4 | | | | | | |
| ISL | 250 | -1.38 | | 34.438 | | 27.73 | | 36.25 | 0.141 | 1446.2 | | | | | | |
| ISL | 300 | -1.32 | | 34.440 | | 27.73 | | 36.08 | 0.159 | 1447.3 | | | | | | |
| ISL | 400 | -0.21 | | 34.565 | | 27.79 | | 31.70 | 0.193 | 1454.3 | | | | | | |
| ISL | 500 | -0.22 | | 34.589 | | 27.81 | | 29.68 | 0.224 | 1456.0 | | | | | | |
| ISL | 600 | -0.17 | | 34.611 | | 27.82 | | 28.18 | 0.252 | 1457.9 | | | | | | |
| ISL | 700 | 0.26 | | 34.658 | | 27.84 | | 27.50 | 0.280 | 1461.6 | | | | | | |
| ISL | 800 | 0.27 | | 34.676 | | 27.85 | | 26.19 | 0.307 | 1463.3 | | | | | | |
| ISL | 900 | 0.25 | | 34.673 | | 27.85 | | 26.39 | 0.333 | 1464.9 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 47 | 1287 | 0 | | 28 | 2 | 71 | 21.6 | 6639.1S | 7755.2E | 544 | 1605 | -1.6 | | 114 | 0 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | -1.70 | 32.864 | 26.47 | | | 1438.4 | 914 | 111 | | 12 | | | | | |
| OBS | 40 | -1.75 | 33.954 | 27.35 | | | 1440.4 | 748 | 209 | | 57 | | | | | |
| OBS | 80 | -1.75 | 34.304 | 27.63 | | | 1441.5 | 718 | 208 | | 62 | | | | | |
| OBS | 121 | -1.79 | 34.362 | 27.68 | | | 1442.1 | 737 | 203 | | 62 | | | | | |
| OBS | 161 | -1.80 | 34.380 | 27.70 | | | 1442.7 | 747 | 204 | | 62 | | | | | |
| OBS | 241 | -1.58 | 34.418 | 27.72 | | | 1445.1 | 727 | 207 | | 62 | | | | | |
| OBS | 322 | -0.55 | 34.516 | 27.76 | | | 1451.4 | 626 | 213 | | 73 | | | | | |
| OBS | 402 | -0.04 | 34.583 | 27.79 | | | 1455.2 | 582 | 215 | | 79 | | | | | |
| OBS | 487 | 0.09 | 34.614 | 27.81 | | | 1457.2 | 566 | 216 | | 85 | | | | | |
| OBS | 577 | 0.43 | 34.661 | 27.83 | | | 1460.3 | 531 | 218 | | 92 | | | | | |
| OBS | 672 | 0.53 | 34.681 | 27.84 | | | 1462.4 | 516 | 218 | | 98 | | | | | |
| OBS | 768 | 0.40 | 34.674 | 27.84 | | | 1463.4 | 519 | 219 | | 101 | | | | | |
| OBS | 886 | 0.40 | 34.682 | 27.85 | | | 1465.4 | 517 | 220 | | 103 | | | | | |
| OBS | 982 | 0.27 | 34.677 | 27.85 | | | 1466.4 | 522 | 221 | | 106 | | | | | |
| OBS | 1078 | 0.27 | 34.681 | 27.85 | | | 1468.0 | 519 | 214 | | 110 | | | | | |
| OBS | 1176 | 0.22 | 34.682 | 27.86 | | | 1469.4 | 521 | 223 | | 111 | | | | | |
| OBS | 1273 | 0.16 | 34.682 | 27.86 | | | 1470.8 | 517 | 218 | | 114 | | | | | |
| OBS | 1370 | 0.10 | 34.682 | 27.87 | | | 1472.1 | 521 | 225 | | 115 | | | | | |
| OBS | 1442 | 0.06 | 34.682 | 27.87 | | | 1473.2 | 525 | 224 | | 117 | | | | | |
| OBS | 1490 | 0.03 | 34.680 | 27.87 | | | 1473.9 | 527 | 226 | | 117 | | | | | |
| OBS | 1509 | 0.03 | 34.680 | 27.87 | | | 1474.2 | 530 | 223 | | 116 | | | | | |
| OBS | 1529 | 0.02 | 34.680 | 27.87 | | | 1474.5 | 527 | 224 | | 116 | | | | | |
| OBS | 1548 | 0.02 | 34.680 | 27.87 | | | 1474.8 | 535 | 224 | | 117 | | | | | |
| PING | 32 | | | | | | | | | | | | | | | |
| ISL | 0 | -1.70 | 32.864 | 26.47 | 157.40 | 0.000 | 1438.4 | | | | | | | | | |
| ISL | 10 | -1.71 | 33.174 | 26.72 | 133.50 | 0.015 | 1438.9 | | | | | | | | | |
| ISL | 20 | -1.73 | 33.477 | 26.96 | 110.13 | 0.027 | 1439.4 | | | | | | | | | |
| ISL | 30 | -1.74 | 33.736 | 27.17 | 90.12 | 0.037 | 1439.9 | | | | | | | | | |
| ISL | 50 | -1.75 | 34.102 | 27.47 | 61.92 | 0.052 | 1440.7 | | | | | | | | | |
| ISL | 75 | -1.75 | 34.280 | 27.61 | 48.14 | 0.066 | 1441.4 | | | | | | | | | |
| ISL | 100 | -1.77 | 34.344 | 27.67 | 43.01 | 0.077 | 1441.8 | | | | | | | | | |
| ISL | 125 | -1.79 | 34.364 | 27.68 | 41.23 | 0.088 | 1442.1 | | | | | | | | | |
| ISL | 150 | -1.80 | 34.375 | 27.69 | 40.21 | 0.098 | 1442.5 | | | | | | | | | |
| ISL | 200 | -1.76 | 34.398 | 27.71 | 38.27 | 0.117 | 1443.6 | | | | | | | | | |
| ISL | 250 | -1.50 | 34.427 | 27.73 | 36.68 | 0.136 | 1445.7 | | | | | | | | | |
| ISL | 300 | -0.78 | 34.492 | 27.75 | 34.45 | 0.154 | 1450.0 | | | | | | | | | |
| ISL | 400 | -0.05 | 34.582 | 27.79 | 31.34 | 0.187 | 1455.1 | | | | | | | | | |
| ISL | 500 | 0.13 | 34.620 | 27.81 | 29.49 | 0.217 | 1457.6 | | | | | | | | | |
| ISL | 600 | 0.48 | 34.668 | 27.83 | 28.22 | 0.246 | 1460.9 | | | | | | | | | |
| ISL | 700 | 0.50 | 34.679 | 27.84 | 27.64 | 0.274 | 1462.7 | | | | | | | | | |
| ISL | 800 | 0.39 | 34.675 | 27.84 | 27.19 | 0.301 | 1463.9 | | | | | | | | | |
| ISL | 900 | 0.39 | 34.682 | 27.85 | 26.76 | 0.328 | 1465.6 | | | | | | | | | |
| ISL | 1000 | 0.27 | 34.678 | 27.85 | 26.15 | 0.355 | 1466.7 | | | | | | | | | |
| ISL | 1100 | 0.26 | 34.681 | 27.86 | 25.86 | 0.381 | 1468.3 | | | | | | | | | |
| ISL | 1200 | 0.21 | 34.682 | 27.86 | 25.36 | 0.407 | 1469.8 | | | | | | | | | |
| ISL | 1300 | 0.14 | 34.682 | 27.86 | 24.83 | 0.432 | 1471.2 | | | | | | | | | |
| ISL | 1400 | 0.08 | 34.682 | 27.87 | 24.29 | 0.456 | 1472.6 | | | | | | | | | |
| ISL | 1500 | 0.03 | 34.680 | 27.87 | 23.97 | 0.480 | 1474.0 | | | | | | | | | |

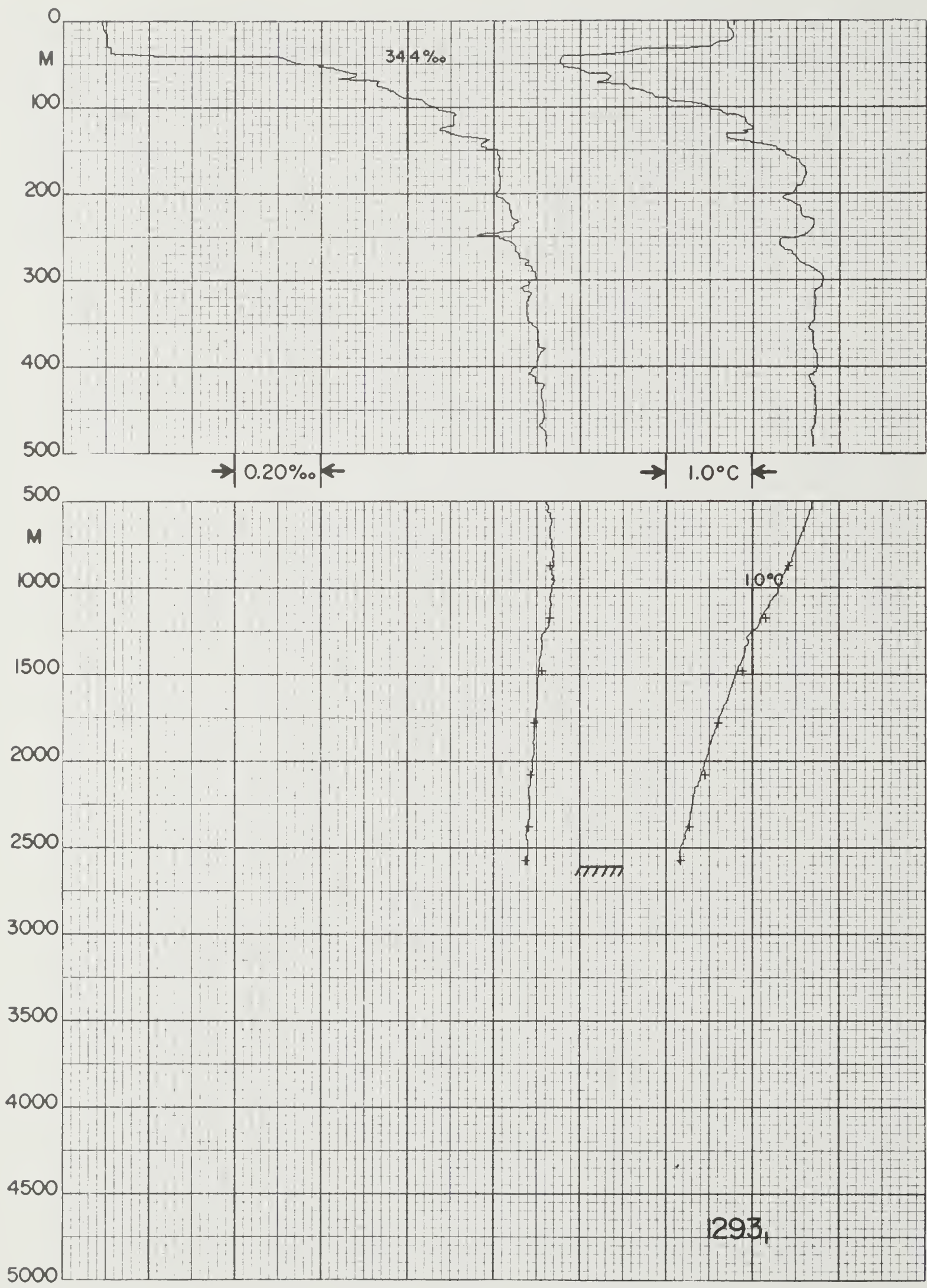
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 47 | 1288 | 0 | | 1 | 3 | 71 | 4.0 | 6648.4S | 7755.6E | 544 | 333 | -3.5 | | 105 | C | 13 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 2 | -1.71 | | 32.840 | | 26.45 | | | | 1438.3 | 907 | 144 | | 12 | | |
| OBS | 27 | -1.72 | | 33.586 | | 27.05 | | | | 1439.8 | 792 | 185 | | 45 | | |
| OBS | 52 | -1.74 | | 34.189 | | 27.54 | | | | 1440.9 | 775 | 207 | | 60 | | |
| OBS | 77 | -1.77 | | 34.295 | | 27.63 | | | | 1441.3 | 707 | 211 | | 60 | | |
| OBS | 102 | -1.77 | | 34.352 | | 27.67 | | | | 1441.8 | 735 | 209 | | 61 | | |
| OBS | 127 | -1.80 | | 34.370 | | 27.69 | | | | 1442.1 | 741 | 204 | | 61 | | |
| OBS | 152 | -1.81 | | 34.375 | | 27.69 | | | | 1442.5 | 734 | 204 | | 62 | | |
| OBS | 177 | -1.80 | | 34.386 | | 27.70 | | | | 1443.0 | 661Q | 204 | | 62 | | |
| OBS | 202 | -1.75 | | 34.395 | | 27.71 | | | | 1443.6 | | 208 | | 62 | | |
| OBS | 227 | -1.69 | | 34.406 | | 27.71 | | | | 1444.4 | 731 | 207 | | 63 | | |
| OBS | 252 | -1.65 | | 34.410 | | 27.72 | | | | 1445.0 | 727 | 209 | | 63 | | |
| OBS | 277 | -1.50 | | 34.434 | | 27.73 | | | | 1446.1 | 710 | 211 | | 66 | | |
| OBS | 302 | -1.34 | | 34.459 | | 27.75 | | | | 1447.3 | 693 | 210 | | 69 | | |
| PING | 19 | | | | | | | | | | | | | | | |
| ISL | 0 | -1.71 | | 32.840 | | 26.45 | | 159.24 | 0.000 | 1438.3 | | | | | | |
| ISL | 10 | -1.71 | | 33.099 | | 26.66 | | 139.22 | 0.015 | 1438.8 | | | | | | |
| ISL | 20 | -1.72 | | 33.395 | | 26.90 | | 116.40 | 0.028 | 1439.4 | | | | | | |
| ISL | 30 | -1.72 | | 33.667 | | 27.12 | | 95.43 | 0.038 | 1439.9 | | | | | | |
| ISL | 50 | -1.74 | | 34.156 | | 27.51 | | 57.76 | 0.054 | 1440.9 | | | | | | |
| ISL | 75 | -1.77 | | 34.288 | | 27.62 | | 47.39 | 0.067 | 1441.3 | | | | | | |
| ISL | 100 | -1.77 | | 34.349 | | 27.67 | | 42.58 | 0.078 | 1441.8 | | | | | | |
| ISL | 125 | -1.80 | | 34.369 | | 27.69 | | 40.83 | 0.088 | 1442.1 | | | | | | |
| ISL | 150 | -1.81 | | 34.374 | | 27.69 | | 40.25 | 0.099 | 1442.5 | | | | | | |
| ISL | 200 | -1.75 | | 34.394 | | 27.71 | | 38.59 | 0.118 | 1443.6 | | | | | | |
| ISL | 250 | -1.66 | | 34.409 | | 27.72 | | 37.49 | 0.137 | 1444.9 | | | | | | |
| ISL | 300 | -1.35 | | 34.457 | | 27.75 | | 34.69 | 0.155 | 1447.2 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|------------------------|----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|-----|
| EL 47 | 1289 | 0 | | 1 | 3 | 71 | 18.8 | 6623.2S | 7801.8E | 544 | 2558 | -4.4 | | 123 | 0 | 21 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² -ml/l | PHOS 10 ² -µgat/l | NITR 10-µgat/l | SILIC µgat/l | | | |
| OBS | 1 | -1.71 | 32.770 | | 26.39 | | | | 1438.2 | 893 | 94 | | 5 | | | |
| OBS | 47 | -1.80 | 34.195 | | 27.55 | | | | 1440.6 | 743 | 207 | | 60 | | | |
| OBS | 93 | -1.81 | 34.334 | | 27.66 | | | | 1441.5 | 745 | 204 | | 61 | | | |
| OBS | 139 | -1.85 | 34.360 | | 27.68 | | | | 1442.1 | 743 | 200 | | 62 | | | |
| OBS | 184 | -1.85 | 34.378 | | 27.70 | | | | 1442.9 | 745 | 200 | | 61 | | | |
| OBS | 276 | -1.42 | 34.438 | | 27.73 | | | | 1446.5 | 710 | 178 | | 65 | | | |
| OBS | 369 | 0.39 | 34.600 | | 27.78 | | | | 1456.6 | 541 | 213 | | 79 | | | |
| OBS | 464 | 0.73 | 34.661 | | 27.81 | | | | 1459.8 | 514 | 215 | | 85 | | | |
| OBS | 660 | 0.69 | 34.686 | | 27.83 | | | | 1462.9 | 504 | 216 | | 94 | | | |
| OBS | 813 | 0.54 | 34.686 | | 27.84 | | | | 1464.8 | 511 | 214 | | 98 | | | |
| OBS | 1005 | 0.43 | 34.688 | | 27.85 | | | | 1467.5 | 502 | 223 | | 103 | | | |
| OBS | 1198 | 0.29 | 34.684 | | 27.86 | | | | 1470.1 | 511 | 226 | | 111 | | | |
| OBS | 1390 | 0.17 | 34.679 | | 27.86 | | | | 1472.8 | 514 | 222 | | 114 | | | |
| OBS | 1681 | 0.03 | 34.677 | | 27.86 | | | | 1477.1 | 526 | 225 | | 115 | | | |
| OBS | 1974 | -0.06 | 34.675 | | 27.87 | | | | 1481.7 | 530 | 224 | | 117 | | | |
| OBS | 2122 | -0.10 | 34.676 | | 27.87 | | | | 1484.1 | 534 | 223 | | 116 | | | |
| OBS | 2221 | -0.10 | 34.678 | | 27.87 | | | | 1485.8 | 556Q | 224 | | 116 | | | |
| OBS | 2270 | -0.11 | 34.678 | | 27.87 | | | | 1486.6 | 541 | 222 | | 117 | | | |
| OBS | 2295 | -0.11 | 34.676 | | 27.87 | | | | 1487.0 | 542 | 222 | | 117 | | | |
| OBS | 2320 | -0.12 | 34.675 | | 27.87 | | | | 1487.4 | 540 | 224 | | 117 | | | |
| OBS | 2420 | -0.11 | 34.677 | | 27.87 | | | | 1489.1 | 541 | 224 | | 118 | | | |
| PING | 119 | | | | | | | | | | | | | | | |
| ISL | 0 | -1.71 | 32.770 | | 26.39 | | 164.63 | 0.000 | 1438.2 | | | | | | | |
| ISL | 10 | -1.73 | 33.133 | | 26.68 | | 136.60 | 0.015 | 1438.8 | | | | | | | |
| ISL | 20 | -1.75 | 33.488 | | 26.97 | | 109.21 | 0.027 | 1439.3 | | | | | | | |
| ISL | 30 | -1.77 | 33.792 | | 27.22 | | 85.76 | 0.037 | 1439.8 | | | | | | | |
| ISL | 50 | -1.80 | 34.238 | | 27.58 | | 51.31 | 0.051 | 1440.7 | | | | | | | |
| ISL | 75 | -1.80 | 34.303 | | 27.63 | | 46.21 | 0.063 | 1441.2 | | | | | | | |
| ISL | 100 | -1.81 | 34.342 | | 27.67 | | 43.02 | 0.074 | 1441.6 | | | | | | | |
| ISL | 125 | -1.84 | 34.353 | | 27.68 | | 41.94 | 0.085 | 1441.9 | | | | | | | |
| ISL | 150 | -1.86 | 34.365 | | 27.69 | | 40.83 | 0.095 | 1442.3 | | | | | | | |
| ISL | 200 | -1.82 | 34.386 | | 27.70 | | 39.03 | 0.115 | 1443.3 | | | | | | | |
| ISL | 250 | -1.66 | 34.411 | | 27.72 | | 37.31 | 0.134 | 1444.9 | | | | | | | |
| ISL | 300 | -1.06 | 34.472 | | 27.75 | | 34.71 | 0.152 | 1448.6 | | | | | | | |
| ISL | 400 | 0.65 | 34.629 | | 27.79 | | 32.17 | 0.186 | 1458.3 | | | | | | | |
| ISL | 500 | 0.79 | 34.675 | | 27.82 | | 29.84 | 0.217 | 1460.7 | | | | | | | |
| ISL | 600 | 0.73 | 34.683 | | 27.83 | | 28.98 | 0.246 | 1462.1 | | | | | | | |
| ISL | 700 | 0.65 | 34.686 | | 27.84 | | 28.32 | 0.275 | 1463.4 | | | | | | | |
| ISL | 800 | 0.55 | 34.686 | | 27.84 | | 27.64 | 0.303 | 1464.6 | | | | | | | |
| ISL | 900 | 0.49 | 34.687 | | 27.85 | | 27.22 | 0.330 | 1466.1 | | | | | | | |
| ISL | 1000 | 0.43 | 34.688 | | 27.85 | | 26.71 | 0.357 | 1467.5 | | | | | | | |
| ISL | 1100 | 0.36 | 34.686 | | 27.85 | | 26.30 | 0.384 | 1468.8 | | | | | | | |
| ISL | 1200 | 0.29 | 34.684 | | 27.86 | | 25.92 | 0.410 | 1470.2 | | | | | | | |
| ISL | 1300 | 0.22 | 34.681 | | 27.86 | | 25.55 | 0.435 | 1471.5 | | | | | | | |
| ISL | 1400 | 0.16 | 34.679 | | 27.86 | | 25.24 | 0.461 | 1473.0 | | | | | | | |
| ISL | 1500 | 0.11 | 34.678 | | 27.86 | | 24.80 | 0.486 | 1474.4 | | | | | | | |
| ISL | 1750 | 0.00 | 34.677 | | 27.87 | | 23.89 | 0.547 | 1478.2 | | | | | | | |
| ISL | 2000 | -0.07 | 34.675 | | 27.87 | | 23.16 | 0.605 | 1482.1 | | | | | | | |
| ISL | 2250 | -0.11 | 34.678 | | 27.87 | | 22.36 | 0.662 | 1486.2 | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 47 | 1290 | 0 | | 5 | 3 | 71 | 16.5 | 6408.7S | 8028.1E | 543 | 3635 | -2.1 | | 323 | 262 | 24 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 0.97 | 33.685 | 27.01 | | | 1451.9 | 778 | 157 | | 30 | | | | | |
| OBS | 11 | 0.95 | 33.688 | 27.02 | | | 1452.0 | 783 | 163 | | 31 | | | | | |
| OBS | 21 | 0.94 | 33.681 | 27.01 | | | 1452.1 | 785 | 165 | | 31 | | | | | |
| OBS | 40 | 0.13 | 33.870 | 27.21 | | | 1449.0 | 775 | 175 | | 36 | | | | | |
| OBS | 50 | -0.89 | 34.113 | 27.45 | | | 1444.8 | 728 | 195 | | 47 | | | | | |
| OBS | 60 | -1.04 | 34.190 | 27.52 | | | 1444.4 | 695 | 202 | | 52 | | | | | |
| OBS | 65 | -0.86 | 34.239 | 27.55 | | | 1445.3 | 658 | 209 | | 58 | | | | | |
| OBS | 75 | -0.64 | 34.288 | 27.58 | | | 1446.6 | 624 | 221 | | 62 | | | | | |
| OBS | 79 | -0.49 | 34.304 | 27.59 | | | 1447.4 | 614 | 222 | | 63 | | | | | |
| OBS | 89 | 0.22 | 34.402 | 27.63 | | | 1450.9 | 556 | 234 | | 71 | | | | | |
| OBS | 109 | 1.02 | 34.512 | 27.67 | | | 1455.0 | 539 | 237 | | 76 | | | | | |
| OBS | 110 | 1.17 | 34.529 | 27.68 | | | 1455.8 | 454 | 235 | | 78 | | | | | |
| OBS | 129 | 1.41 | 34.562 | 27.69 | | | 1457.2 | 440 | 205 | | 79 | | | | | |
| OBS | 130 | 1.48 | 34.571 | 27.69 | | | 1457.5 | 434 | 237 | | 81 | | | | | |
| OBS | 150 | 1.63 | 34.604 | 27.70 | | | 1458.6 | 427 | 236 | | 82 | | | | | |
| OBS | 160 | 1.69 | 34.617 | 27.71 | | | 1459.0 | 420 | 235 | | 83 | | | | | |
| OBS | 170 | 1.74 | 34.630 | 27.72 | | | 1459.4 | 419 | 235 | | 83 | | | | | |
| OBS | 180 | 1.77 | 34.636 | 27.72 | | | 1459.7 | 418 | 232 | | 83 | | | | | |
| OBS | 190 | 1.79 | 34.643 | 27.72 | | | 1460.0 | 415 | 232 | | 85 | | | | | |
| OBS | 200 | 1.77 | 34.647 | 27.73 | | | 1460.1 | 418 | 232 | | 86 | | | | | |
| OBS | 210 | 1.77 | 34.657 | 27.74 | | | 1460.3 | 415 | 232 | | 84 | | | | | |
| OBS | 220 | 1.78 | 34.653 | 27.73 | | | 1460.5 | 417 | 232 | | 85 | | | | | |
| OBS | 240 | 1.83 | 34.671 | 27.74 | | | 1461.0 | 416 | 230 | | 86 | | | | | |
| OBS | 250 | 1.84 | 34.679 | 27.75 | | | 1461.3 | 417 | 229 | | 85 | | | | | |
| ISL | 0 | 0.97 | 33.685 | 27.01 | 105.39 | 0.000 | 1451.9 | | | | | | | | | |
| ISL | 10 | 0.95 | 33.688 | 27.02 | 105.06 | 0.011 | 1452.0 | | | | | | | | | |
| ISL | 20 | 0.94 | 33.682 | 27.01 | 105.44 | 0.021 | 1452.1 | | | | | | | | | |
| ISL | 30 | 0.73 | 33.730 | 27.06 | 100.56 | 0.031 | 1451.3 | | | | | | | | | |
| ISL | 50 | -0.89 | 34.113 | 27.45 | 63.72 | 0.048 | 1444.8 | | | | | | | | | |
| ISL | 75 | -0.64 | 34.288 | 27.58 | 51.24 | 0.062 | 1446.6 | | | | | | | | | |
| ISL | 100 | 0.76 | 34.473 | 27.66 | 44.36 | 0.074 | 1453.7 | | | | | | | | | |
| ISL | 125 | 1.26 | 34.543 | 27.68 | 42.37 | 0.085 | 1456.4 | | | | | | | | | |
| ISL | 150 | 1.63 | 34.604 | 27.70 | 40.46 | 0.095 | 1458.6 | | | | | | | | | |
| ISL | 200 | 1.77 | 34.647 | 27.73 | 38.46 | 0.115 | 1460.1 | | | | | | | | | |
| ISL | 250 | 1.84 | 34.679 | 27.75 | 36.80 | 0.134 | 1461.3 | | | | | | | | | |



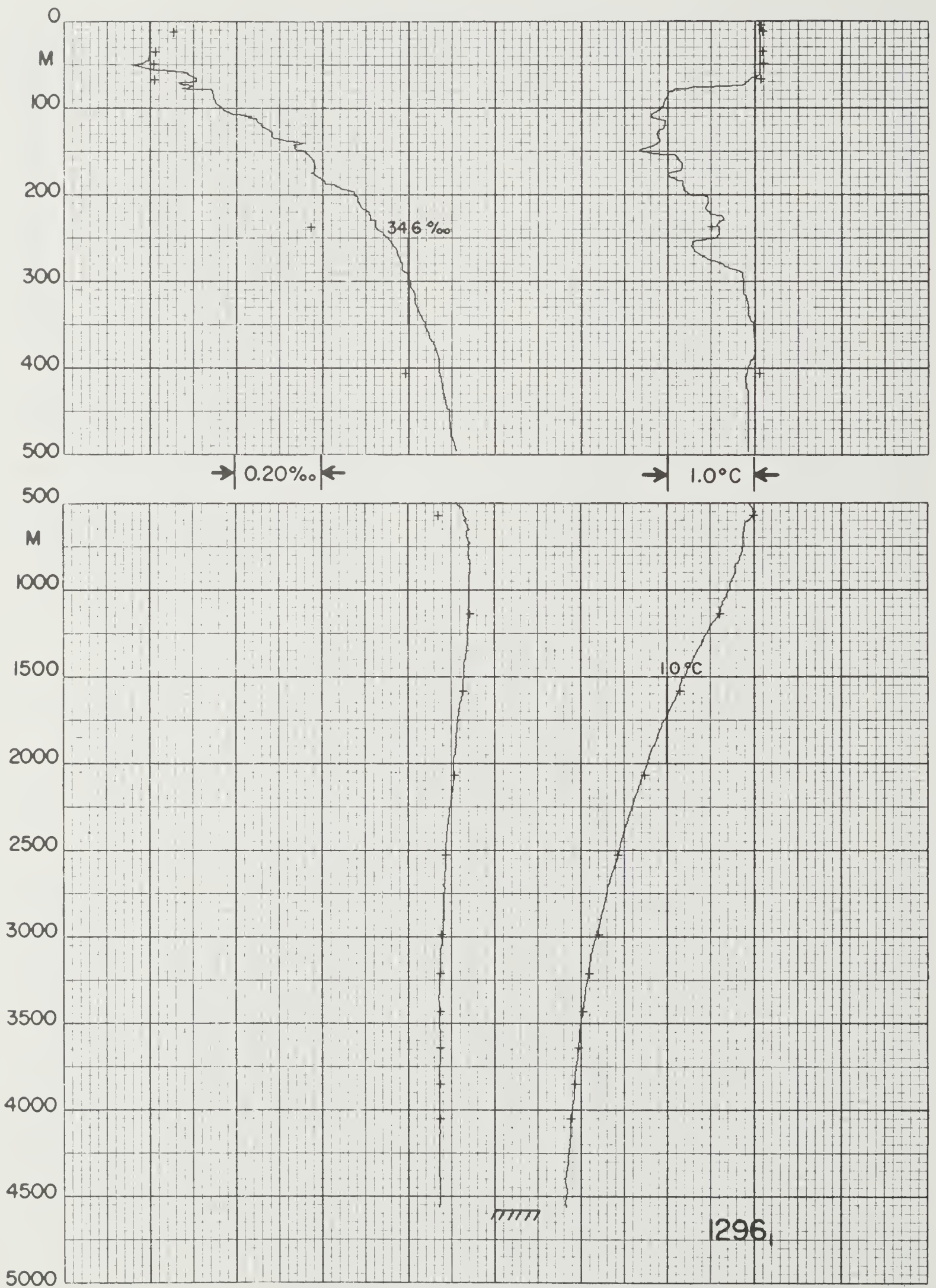
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 47 | 1291 | 1 | 3 | 6 | 3 | 71 | 9.0 | 6357.4S | 8401.0E | 543 | 3648 | -1.4 | | 273 | 282 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS1 | 2 | 0.72 | | 33.721 | | 27.06 | | | | | 779 | 138 | | | | 7 |
| OBS1 | 955 | 1.05 | | 34.722 | | 27.84 | | | | | 478 | 214 | | | | 103 |
| OBS1 | 1255 | 0.78 | | 34.712 | | 27.85 | | | | | 481 | 220 | | | | 109 |
| OBS1 | 1554 | 0.54 | | 34.699 | | 27.85 | | | | | 487 | 221 | | | | 116 |
| OBS1 | 1854 | 0.38 | | 34.688 | | 27.85 | | | | | 481 | 217 | | | | 119 |
| OBS1 | 2154 | 0.21 | | 34.679 | | 27.86 | | | | | 501 | 222 | | | | 121 |
| OBS1 | 2654 | -0.01 | | 34.672 | | 27.86 | | | | | 519 | 224 | | | | 121 |
| OBS1 | 3154 | -0.17 | | 34.670 | | 27.87 | | | | | 518 | 221 | | | | 120 |
| OBS1 | 3654 | -0.28 | | 34.675 | | 27.88 | | | | | 558 | 218 | | | | 118 |
| | | | | | | | | | | | | | | | | |
| STD | 0 | 0.69 | | 33.702 | | 27.04 | 102.52 | 0.000 | | 1450.6 | | | | | | |
| STD | 10 | 0.63 | | 33.702 | | 27.05 | 102.20 | 0.010 | | 1450.5 | | | | | | |
| STD | 20 | 0.49 | | 33.676 | | 27.03 | 103.37 | 0.021 | | 1450.0 | | | | | | |
| STD | 30 | -1.23 | | 34.219 | | 27.55 | 54.50 | 0.028 | | 1443.0 | | | | | | |
| STD | 50 | -1.05 | | 34.318 | | 27.62 | 47.42 | 0.039 | | 1444.3 | | | | | | |
| STD | 75 | -0.54 | | 34.423 | | 27.69 | 41.39 | 0.050 | | 1447.3 | | | | | | |
| STD | 100 | -0.88 | | 34.394 | | 27.68 | 42.13 | 0.060 | | 1446.0 | | | | | | |
| STD | 125 | -0.30 | | 34.525 | | 27.76 | 34.65 | 0.070 | | 1449.3 | | | | | | |
| STD | 150 | 0.67 | | 34.618 | | 27.78 | 32.88 | 0.078 | | 1454.3 | | | | | | |
| STD | 200 | 1.11 | | 34.632 | | 27.76 | 34.81 | 0.095 | | 1457.1 | | | | | | |
| STD | 250 | 1.29 | | 34.661 | | 27.77 | 34.01 | 0.112 | | 1458.8 | | | | | | |
| STD | 300 | 1.45 | | 34.674 | | 27.77 | 34.30 | 0.129 | | 1460.3 | | | | | | |
| STD | 400 | 1.37 | | 34.679 | | 27.78 | 33.69 | 0.163 | | 1461.6 | | | | | | |
| STD | 500 | 1.30 | | 34.726 | | 27.83 | 29.89 | 0.195 | | 1463.0 | | | | | | |
| STD | 600 | 1.33 | | 34.726 | | 27.82 | 30.46 | 0.225 | | 1464.9 | | | | | | |
| STD | 700 | 1.21 | | 34.730 | | 27.84 | 29.43 | 0.255 | | 1466.0 | | | | | | |
| STD | 800 | 1.18 | | 34.729 | | 27.84 | 29.46 | 0.285 | | 1467.5 | | | | | | |
| STD | 900 | 1.13 | | 34.727 | | 27.84 | 29.54 | 0.314 | | 1469.0 | | | | | | |
| STD | 1000 | 0.99 | | 34.719 | | 27.84 | 29.09 | 0.344 | | 1470.0 | | | | | | |
| STD | 1100 | 0.88 | | 34.717 | | 27.85 | 28.47 | 0.372 | | 1471.2 | | | | | | |
| STD | 1200 | 0.82 | | 34.708 | | 27.84 | 28.71 | 0.401 | | 1472.6 | | | | | | |
| STD | 1300 | 0.68 | | 34.704 | | 27.85 | 27.92 | 0.429 | | 1473.7 | | | | | | |
| STD | 1400 | 0.62 | | 34.698 | | 27.85 | 27.99 | 0.457 | | 1475.1 | | | | | | |
| STD | 1500 | 0.57 | | 34.697 | | 27.85 | 27.66 | 0.485 | | 1476.6 | | | | | | |
| STD | 1750 | 0.42 | | 34.689 | | 27.85 | 26.91 | 0.553 | | 1480.1 | | | | | | |
| STD | 2000 | 0.26 | | 34.680 | | 27.85 | 26.11 | 0.619 | | 1483.7 | | | | | | |
| STD | 2250 | 0.14 | | 34.679 | | 27.86 | 24.86 | 0.683 | | 1487.4 | | | | | | |
| STD | 2500 | 0.04 | | 34.672 | | 27.86 | 24.26 | 0.745 | | 1491.3 | | | | | | |
| STD | 2750 | -0.05 | | 34.674 | | 27.87 | 22.91 | 0.804 | | 1495.2 | | | | | | |
| STD | 3000 | -0.11 | | 34.674 | | 27.87 | 22.17 | 0.860 | | 1499.3 | | | | | | |
| STD | 3250 | -0.19 | | 34.674 | | 27.87 | 20.95 | 0.914 | | 1503.3 | | | | | | |
| STD | 3500 | -0.23 | | 34.671 | | 27.87 | 20.43 | 0.965 | | 1507.5 | | | | | | |
| STD | 3650 | -0.28 | | 34.673 | | 27.88 | 19.48 | 0.995 | | 1509.9 | | | | | | |
| PING | 7 | | | | | | | | | | | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 47 | 1293 | 1 | 3 | 6 | 3 | 71 | 22.8 | 6300.4S | 8411.2E | 543 | 2595 | -1.4 | | 253 | 242 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS1 | 1 | 0.77 | | 33.699 | | 27.04 | | | | | 795 | 149 | | 21 | | |
| OBS1 | 875 | 1.42 | | 34.733 | | 27.82 | | | | | 466 | 211 | | 93 | | |
| OBS1 | 1176 | 1.16 | | 34.733 | | 27.84 | | | | | 503Q | 206 | | 100 | | |
| OBS1 | 1478 | 0.89 | | 34.715 | | 27.84 | | | | | 489 | 218 | | | | |
| OBS1 | 1779 | 0.61 | | 34.696 | | 27.85 | | | | | 493 | 224 | | 113 | | |
| OBS1 | 2080 | 0.46 | | 34.689 | | 27.85 | | | | | 499 | 224 | | 118 | | |
| OBS1 | 2381 | 0.28 | | 34.684 | | 27.86 | | | | | 510 | 224 | | 120 | | |
| OBS1 | 2573 | 0.18 | | 34.677 | | 27.86 | | | | | 517 | 227 | | 124 | | |
| | | | | | | | | | | | | | | | | |
| STD | 0 | 0.69 | | 33.690 | | 27.03 | | 103.45 | 0.000 | 1450.6 | | | | | | |
| STD | 10 | 0.72 | | 33.693 | | 27.03 | | 103.37 | 0.010 | 1450.9 | | | | | | |
| STD | 20 | 0.76 | | 33.703 | | 27.04 | | 102.81 | 0.021 | 1451.3 | | | | | | |
| STD | 30 | 0.51 | | 33.704 | | 27.06 | | 101.34 | 0.031 | 1450.3 | | | | | | |
| STD | 50 | -1.23 | | 34.140 | | 27.49 | | 60.45 | 0.047 | 1443.2 | | | | | | |
| STD | 75 | -0.48 | | 34.328 | | 27.61 | | 48.91 | 0.061 | 1447.4 | | | | | | |
| STD | 100 | 0.47 | | 34.457 | | 27.66 | | 43.85 | 0.072 | 1452.3 | | | | | | |
| STD | 125 | 1.00 | | 34.475 | | 27.65 | | 45.74 | 0.083 | 1455.1 | | | | | | |
| STD | 150 | 1.32 | | 34.608 | | 27.73 | | 37.87 | 0.094 | 1457.2 | | | | | | |
| STD | 200 | 1.45 | | 34.605 | | 27.72 | | 39.26 | 0.113 | 1458.6 | | | | | | |
| STD | 250 | 1.54 | | 34.611 | | 27.72 | | 39.60 | 0.133 | 1459.8 | | | | | | |
| STD | 300 | 1.81 | | 34.692 | | 27.76 | | 35.88 | 0.152 | 1462.0 | | | | | | |
| STD | 400 | 1.75 | | 34.699 | | 27.77 | | 35.17 | 0.187 | 1463.3 | | | | | | |
| STD | 500 | 1.69 | | 34.725 | | 27.80 | | 33.21 | 0.222 | 1464.8 | | | | | | |
| STD | 600 | 1.64 | | 34.733 | | 27.81 | | 32.51 | 0.254 | 1466.3 | | | | | | |
| STD | 700 | 1.56 | | 34.732 | | 27.81 | | 32.27 | 0.287 | 1467.6 | | | | | | |
| STD | 800 | 1.48 | | 34.740 | | 27.82 | | 31.32 | 0.319 | 1468.9 | | | | | | |
| STD | 900 | 1.38 | | 34.737 | | 27.83 | | 30.99 | 0.350 | 1470.1 | | | | | | |
| STD | 1000 | 1.30 | | 34.736 | | 27.83 | | 30.64 | 0.381 | 1471.4 | | | | | | |
| STD | 1100 | 1.20 | | 34.735 | | 27.84 | | 30.05 | 0.411 | 1472.7 | | | | | | |
| STD | 1200 | 1.09 | | 34.729 | | 27.84 | | 29.68 | 0.441 | 1473.8 | | | | | | |
| STD | 1300 | 0.95 | | 34.713 | | 27.84 | | 29.79 | 0.470 | 1474.9 | | | | | | |
| STD | 1400 | 0.90 | | 34.710 | | 27.84 | | 29.73 | 0.500 | 1476.4 | | | | | | |
| STD | 1500 | 0.81 | | 34.705 | | 27.84 | | 29.39 | 0.530 | 1477.6 | | | | | | |
| STD | 1750 | 0.62 | | 34.700 | | 27.85 | | 28.12 | 0.602 | 1481.0 | | | | | | |
| STD | 2000 | 0.46 | | 34.692 | | 27.85 | | 27.32 | 0.671 | 1484.6 | | | | | | |
| STD | 2250 | 0.31 | | 34.685 | | 27.86 | | 26.33 | 0.738 | 1488.2 | | | | | | |
| STD | 2500 | 0.18 | | 34.682 | | 27.86 | | 25.11 | 0.802 | 1491.9 | | | | | | |
| STD | 2594 | 0.18 | | 34.680 | | 27.86 | | 25.25 | 0.826 | 1493.5 | | | | | | |
| PING | 13 | | | | | | | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|------------------------|----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|-----|
| EL 47 | 1294 | 0 | | 7 | 3 | 71 | 18.0 | 6155.4S | 8407.6E | 543 | 2800 | -0.6 | | 226 | 224 | 25 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | |
| OBS | 1 | 0.82 | 33.649 | | 26.99 | | | | 1451.2 | 809 | 145 | | 20 | | | |
| OBS | 30 | 0.75 | 33.675 | | 27.02 | | | | 1451.4 | 794 | 147 | | 19 | | | |
| OBS | 49 | -1.05 | 34.162 | | 27.50 | | | | 1444.1 | 717 | 172 | | 51 | | | |
| OBS | 68 | -0.58 | 34.277 | | 27.57 | | | | 1446.7 | 645 | 189 | | 60 | | | |
| OBS | 87 | -0.29 | 34.338 | | 27.61 | | | | 1448.5 | 609 | 210 | | 66 | | | |
| OBS | 106 | 0.70 | 34.469 | | 27.66 | | | | 1453.5 | 495 | 232 | | 73 | | | |
| OBS | 124 | 1.34 | 34.559 | | 27.69 | | | | 1456.8 | 449 | 234 | | 79 | | | |
| OBS | 192 | 1.73 | 34.638 | | 27.72 | | | | 1459.7 | 424 | 232 | | 82 | | | |
| OBS | 289 | 1.82 | 34.686 | | 27.76 | | | | 1461.8 | 427 | 224 | | 84 | | | |
| OBS | 483 | 1.82 | 34.722 | | 27.78 | | | | 1465.1 | 453 | 217 | | 85 | | | |
| OBS | 728 | 1.61 | 34.741 | | 27.82 | | | | 1468.2 | 466 | 210 | | 89 | | | |
| OBS | 971 | 1.33 | 34.732 | | 27.83 | | | | 1471.0 | 479 | 210 | | 93 | | | |
| OBS | 1019 | 1.27 | 34.724 | | 27.83 | | | | 1471.6 | 474 | 211 | | 93 | | | |
| OBS | 1297 | 1.02 | 34.718 | | 27.84 | | | | 1475.1 | 489 | 214 | | 100 | | | |
| OBS | 1499 | 0.91 | 34.715 | | 27.84 | | | | 1478.0 | 488 | 212 | | 104 | | | |
| OBS | 1694 | 0.77 | 34.707 | | 27.85 | | | | 1480.7 | 493 | 220 | | 109 | | | |
| OBS | 1889 | 0.61 | 34.698 | | 27.85 | | | | 1483.3 | 492 | 225 | | 114 | | | |
| OBS | 2089 | 0.52 | 34.694 | | 27.85 | | | | 1486.3 | 495 | 223 | | 118 | | | |
| OBS | 2305 | 0.42 | 34.688 | | 27.85 | | | | 1489.5 | 495 | 225 | | 124 | | | |
| OBS | 2501 | 0.28 | 34.682 | | 27.86 | | | | 1492.2 | 510 | 226 | | 120 | | | |
| OBS | 2600 | 0.18 | 34.677 | | 27.86 | | | | 1493.5 | 521 | 223 | | 122 | | | |
| OBS | 2705 | -0.05 | 34.676 | | 27.87 | | | | 1494.3 | 544 | 223 | | 120 | | | |
| OBS | 2754 | -0.20 | 34.674 | | 27.87 | | | | 1494.4 | 555 | 222 | | 118 | | | |
| OBS | 2779 | -0.29 | 34.672 | | 27.88 | | | | 1494.5 | 559 | 221 | | 118 | | | |
| OBS | 2794 | -0.30 | 34.673 | | 27.88 | | | | 1494.7 | 566 | 221 | | 117 | | | |
| PING | 23 | | | | | | | | | | | | | | | |
| ISL | 0 | 0.82 | 33.649 | | 26.99 | | 107.24 | 0.000 | 1451.2 | | | | | | | |
| ISL | 10 | 0.97 | 33.597 | | 26.94 | | 112.04 | 0.011 | 1451.9 | | | | | | | |
| ISL | 20 | 0.94 | 33.605 | | 26.95 | | 111.29 | 0.022 | 1451.9 | | | | | | | |
| ISL | 30 | 0.75 | 33.675 | | 27.02 | | 104.86 | 0.033 | 1451.4 | | | | | | | |
| ISL | 50 | -1.04 | 34.176 | | 27.51 | | 58.39 | 0.049 | 1444.2 | | | | | | | |
| ISL | 75 | -0.46 | 34.304 | | 27.59 | | 50.81 | 0.063 | 1447.5 | | | | | | | |
| ISL | 100 | 0.42 | 34.431 | | 27.65 | | 45.50 | 0.075 | 1452.1 | | | | | | | |
| ISL | 125 | 1.36 | 34.562 | | 27.69 | | 41.59 | 0.086 | 1456.9 | | | | | | | |
| ISL | 150 | 1.61 | 34.606 | | 27.71 | | 40.15 | 0.096 | 1458.5 | | | | | | | |
| ISL | 200 | 1.76 | 34.645 | | 27.73 | | 38.53 | 0.116 | 1460.0 | | | | | | | |
| ISL | 250 | 1.80 | 34.674 | | 27.75 | | 36.90 | 0.135 | 1461.1 | | | | | | | |
| ISL | 300 | 1.83 | 34.690 | | 27.76 | | 36.10 | 0.153 | 1462.0 | | | | | | | |
| ISL | 400 | 1.85 | 34.712 | | 27.77 | | 35.02 | 0.188 | 1463.8 | | | | | | | |
| ISL | 500 | 1.81 | 34.724 | | 27.79 | | 34.24 | 0.223 | 1465.3 | | | | | | | |
| ISL | 600 | 1.74 | 34.735 | | 27.80 | | 33.26 | 0.257 | 1466.7 | | | | | | | |
| ISL | 700 | 1.64 | 34.740 | | 27.81 | | 32.32 | 0.290 | 1467.9 | | | | | | | |
| ISL | 800 | 1.53 | 34.743 | | 27.82 | | 31.53 | 0.321 | 1469.1 | | | | | | | |
| ISL | 900 | 1.42 | 34.740 | | 27.83 | | 31.05 | 0.353 | 1470.2 | | | | | | | |
| ISL | 1000 | 1.29 | 34.727 | | 27.83 | | 31.22 | 0.384 | 1471.3 | | | | | | | |
| ISL | 1100 | 1.18 | 34.722 | | 27.83 | | 30.84 | 0.415 | 1472.5 | | | | | | | |
| ISL | 1200 | 1.09 | 34.720 | | 27.84 | | 30.37 | 0.446 | 1473.8 | | | | | | | |
| ISL | 1300 | 1.02 | 34.718 | | 27.84 | | 30.04 | 0.476 | 1475.1 | | | | | | | |
| ISL | 1400 | 0.97 | 34.716 | | 27.84 | | 29.89 | 0.506 | 1476.6 | | | | | | | |
| ISL | 1500 | 0.91 | 34.715 | | 27.84 | | 29.62 | 0.535 | 1478.0 | | | | | | | |
| ISL | 1750 | 0.73 | 34.704 | | 27.85 | | 28.92 | 0.609 | 1481.4 | | | | | | | |
| ISL | 2000 | 0.56 | 34.696 | | 27.85 | | 28.11 | 0.680 | 1484.9 | | | | | | | |
| ISL | 2250 | 0.45 | 34.690 | | 27.85 | | 27.51 | 0.749 | 1488.7 | | | | | | | |
| ISL | 2500 | 0.28 | 34.682 | | 27.86 | | 26.27 | 0.817 | 1492.2 | | | | | | | |
| ISL | 2750 | -0.19 | 34.674 | | 27.87 | | 21.39 | 0.876 | 1494.4 | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 47 | 1295 | 0 | | 8 | 3 | 71 | 9.5 | 6100.3S | 8603.3E | 543 | 4107 | -1.1 | | 236 | 244 | 25 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 2 | 1.03 | 33.956 | 27.23 | | | 1452.6 | 791 | 151 | | 22 | | | | | |
| OBS | 32 | 0.69 | 33.989 | 27.27 | | | 1451.6 | 765 | 168 | | 30 | | | | | |
| OBS | 51 | -1.13 | 34.206 | 27.54 | | | 1443.8 | 695 | 211 | | 59 | | | | | |
| OBS | 71 | -1.25 | 34.298 | 27.61 | | | 1443.7 | 672 | 210 | | 66 | | | | | |
| OBS | 91 | -0.99 | 34.369 | 27.66 | | | 1445.4 | 643 | 216 | | 68 | | | | | |
| OBS | 116 | -0.71 | 34.420 | 27.69 | | | 1447.1 | 626 | 217 | | 72 | | | | | |
| OBS | 166 | 0.46 | 34.555 | 27.74 | | | 1453.5 | 532 | 221 | | 75 | | | | | |
| OBS | 305 | 1.30 | 34.684 | 27.79 | | | 1459.8 | 479 | 215 | | 87 | | | | | |
| OBS | 404 | 1.26 | 34.704 | 27.81 | | | 1461.2 | 475 | 216 | | 89 | | | | | |
| OBS | 603 | 1.16 | 34.713 | 27.83 | | | 1464.1 | 483 | 211 | | 93 | | | | | |
| OBS | 803 | 0.95 | 34.709 | 27.84 | | | 1466.5 | 489 | 215 | | 98 | | | | | |
| OBS | 1008 | 0.84 | 34.711 | 27.84 | | | 1469.4 | 524C | 215 | | 103 | | | | | |
| OBS | 1300 | 0.69 | 34.707 | 27.85 | | | 1473.7 | 533C | 220 | | 110 | | | | | |
| OBS | 1595 | 0.45 | 34.689 | 27.85 | | | 1477.5 | 501 | 222 | | 116 | | | | | |
| OBS | 1859 | 0.30 | 34.685 | 27.86 | | | 1481.3 | 513 | 219 | | 118 | | | | | |
| OBS | 2190 | 0.17 | 34.681 | 27.86 | | | 1486.4 | 518 | 225 | | 120 | | | | | |
| OBS | 2493 | 0.06 | 34.676 | 27.86 | | | 1491.1 | 526 | 221 | | 121 | | | | | |
| OBS | 2776 | -0.02 | 34.676 | 27.87 | | | 1495.6 | 538 | 220 | | 120 | | | | | |
| OBS | 3084 | -0.11 | 34.675 | 27.87 | | | 1500.6 | 593C | 218 | | 120 | | | | | |
| OBS | 3377 | -0.18 | 34.674 | 27.87 | | | 1505.4 | 555 | 222 | | 118 | | | | | |
| OBS | 3704 | -0.23 | 34.678 | 27.88 | | | 1510.9 | 566 | 215 | | 116 | | | | | |
| OBS | 3946 | -0.23 | 34.677 | 27.88 | | | 1515.2 | 564 | 220 | | 117 | | | | | |
| OBS | 4009 | -0.23 | 34.678 | 27.88 | | | 1516.3 | 571 | 219 | | 118 | | | | | |
| OBS | 4071 | -0.23 | 34.678 | 27.88 | | | 1517.4 | 575 | 221 | | 118 | | | | | |
| OBS | 4101 | -0.23 | 34.676 | 27.88 | | | 1518.0 | 571 | 221 | | 118 | | | | | |
| ISL | 0 | 1.03 | 33.956 | 27.23 | 85.14 | 0.000 | 1452.5 | | | | | | | | | |
| ISL | 10 | 1.11 | 33.940 | 27.21 | 86.84 | 0.009 | 1453.0 | | | | | | | | | |
| ISL | 20 | 1.03 | 33.946 | 27.22 | 85.93 | 0.017 | 1452.8 | | | | | | | | | |
| ISL | 30 | 0.78 | 33.979 | 27.26 | 81.97 | 0.026 | 1451.9 | | | | | | | | | |
| ISL | 50 | -1.08 | 34.198 | 27.53 | 56.58 | 0.039 | 1444.0 | | | | | | | | | |
| ISL | 75 | -1.20 | 34.314 | 27.62 | 47.12 | 0.052 | 1444.0 | | | | | | | | | |
| ISL | 100 | -0.88 | 34.387 | 27.67 | 42.65 | 0.064 | 1446.0 | | | | | | | | | |
| ISL | 125 | -0.54 | 34.442 | 27.70 | 39.80 | 0.074 | 1448.1 | | | | | | | | | |
| ISL | 150 | 0.12 | 34.510 | 27.73 | 37.83 | 0.084 | 1451.6 | | | | | | | | | |
| ISL | 200 | 0.98 | 34.620 | 27.76 | 34.82 | 0.102 | 1456.5 | | | | | | | | | |
| ISL | 250 | 1.18 | 34.657 | 27.78 | 33.50 | 0.119 | 1458.3 | | | | | | | | | |
| ISL | 300 | 1.29 | 34.682 | 27.79 | 32.58 | 0.135 | 1459.6 | | | | | | | | | |
| ISL | 400 | 1.26 | 34.703 | 27.81 | 31.01 | 0.167 | 1461.2 | | | | | | | | | |
| ISL | 500 | 1.22 | 34.712 | 27.82 | 30.28 | 0.198 | 1462.7 | | | | | | | | | |
| ISL | 600 | 1.16 | 34.713 | 27.83 | 30.06 | 0.228 | 1464.1 | | | | | | | | | |
| ISL | 700 | 1.06 | 34.710 | 27.83 | 29.66 | 0.258 | 1465.3 | | | | | | | | | |
| ISL | 800 | 0.95 | 34.709 | 27.84 | 29.10 | 0.287 | 1466.5 | | | | | | | | | |
| ISL | 900 | 0.90 | 34.710 | 27.84 | 28.78 | 0.316 | 1467.9 | | | | | | | | | |
| ISL | 1000 | 0.84 | 34.711 | 27.84 | 28.42 | 0.345 | 1469.3 | | | | | | | | | |
| ISL | 1100 | 0.79 | 34.711 | 27.85 | 28.15 | 0.373 | 1470.8 | | | | | | | | | |
| ISL | 1200 | 0.74 | 34.710 | 27.85 | 27.94 | 0.401 | 1472.2 | | | | | | | | | |
| ISL | 1300 | 0.69 | 34.707 | 27.85 | 27.79 | 0.429 | 1473.7 | | | | | | | | | |
| ISL | 1400 | 0.61 | 34.702 | 27.85 | 27.59 | 0.457 | 1475.0 | | | | | | | | | |
| ISL | 1500 | 0.52 | 34.694 | 27.85 | 27.43 | 0.484 | 1476.3 | | | | | | | | | |
| ISL | 1750 | 0.36 | 34.686 | 27.85 | 26.52 | 0.552 | 1479.7 | | | | | | | | | |
| ISL | 2000 | 0.24 | 34.683 | 27.86 | 25.68 | 0.617 | 1483.5 | | | | | | | | | |
| ISL | 2250 | 0.15 | 34.680 | 27.86 | 24.91 | 0.680 | 1487.3 | | | | | | | | | |
| ISL | 2500 | 0.06 | 34.676 | 27.86 | 24.18 | 0.742 | 1491.2 | | | | | | | | | |
| ISL | 2750 | -0.01 | 34.676 | 27.87 | 23.29 | 0.801 | 1495.2 | | | | | | | | | |
| ISL | 3000 | -0.09 | 34.675 | 27.87 | 22.32 | 0.858 | 1499.2 | | | | | | | | | |
| ISL | 3250 | -0.15 | 34.674 | 27.87 | 21.37 | 0.912 | 1503.3 | | | | | | | | | |
| ISL | 3500 | -0.21 | 34.675 | 27.88 | 20.43 | 0.965 | 1507.4 | | | | | | | | | |
| ISL | 3750 | -0.23 | 34.678 | 27.88 | 19.68 | 1.015 | 1511.7 | | | | | | | | | |
| ISL | 4000 | -0.23 | 34.678 | 27.88 | 19.45 | 1.064 | 1516.2 | | | | | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 47 | 1296 | 1 | 3 | 9 | 3 | 71 | 6.1 | 5929.1S | 8855.3E | 507 | 4557 | 0.4 | | 257 | 244 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 6 | 2.06 | | | | | | | | | 772 | 151 | | 6 | | |
| OBS1 | 13 | 2.08 | | 34.052Q | | 27.23Q | | | | | 761 | 161 | | 6 | | |
| OBS1 | 36 | 2.08 | | 34.010 | | 27.20 | | | | | 769 | 162 | | 6 | | |
| OBS1 | 50 | 2.09 | | 34.006 | | 27.19 | | | | | 772 | 163 | | 6 | | |
| OBS1 | 68 | 2.06 | | 34.008 | | 27.20 | | | | | 482Q | 163 | | 6 | | |
| OBS1 | 238 | 1.49 | | 34.371 | | 27.53 | | | | | 604 | 232 | | 60 | | |
| OBS1 | 407 | 2.05 | | 34.591 | | 27.66 | | | | | 463 | 229 | | 74 | | |
| OBS1 | 575 | 1.99 | | 34.667 | | 27.73 | | | | | 454 | 220 | | 88 | | |
| OBS1 | 1141 | 1.60 | | 34.743 | | 27.82 | | | | | 475 | 208 | | 89 | | |
| OBS1 | 1586 | 1.14 | | 34.726 | | 27.84 | | | | | 484 | 215 | | 101 | | |
| OBS1 | 2068 | 0.73 | | 34.706 | | 27.85 | | | | | 488 | 218 | | 112 | | |
| OBS1 | 2531 | 0.42 | | 34.687 | | 27.85 | | | | | 501 | 220 | | 119 | | |
| OBS1 | 2988 | 0.20 | | 34.677 | | 27.86 | | | | | 515 | 220 | | 123 | | |
| OBS1 | 3213 | 0.09 | | 34.675 | | 27.86 | | | | | 522 | 220 | | 122 | | |
| OBS1 | 3433 | 0.02 | | 34.675 | | 27.86 | | | | | 543 | 219 | | 122 | | |
| OBS1 | 3646 | -0.03 | | 34.675 | | 27.87 | | | | | 547 | 219 | | 121 | | |
| OBS1 | 3855 | -0.07 | | 34.674 | | 27.87 | | | | | 552 | 217 | | 120 | | |
| OBS1 | 4056 | -0.12 | | 34.674 | | 27.87 | | | | | 552 | 213 | | 119 | | |

| | | | | | | | |
|-----|------|-------|--------|-------|-------|-------|--------|
| STD | 0 | 2.04 | 33.997 | 27.19 | 88.87 | 0.000 | 1457.1 |
| STD | 10 | 2.04 | 33.997 | 27.19 | 88.91 | 0.009 | 1457.2 |
| STD | 20 | 2.05 | 33.997 | 27.19 | 88.99 | 0.018 | 1457.4 |
| STD | 30 | 2.05 | 33.996 | 27.19 | 89.04 | 0.027 | 1457.6 |
| STD | 50 | 2.05 | 33.972 | 27.17 | 90.97 | 0.045 | 1457.9 |
| STD | 75 | 1.84 | 34.091 | 27.28 | 80.54 | 0.066 | 1457.5 |
| STD | 100 | 0.91 | 34.163 | 27.40 | 68.82 | 0.085 | 1453.9 |
| STD | 125 | 0.93 | 34.268 | 27.48 | 60.98 | 0.101 | 1454.6 |
| STD | 150 | 0.66 | 34.354 | 27.57 | 52.85 | 0.115 | 1453.9 |
| STD | 200 | 1.23 | 34.471 | 27.63 | 47.78 | 0.140 | 1457.4 |
| STD | 250 | 1.55 | 34.547 | 27.67 | 44.48 | 0.163 | 1459.8 |
| STD | 300 | 1.86 | 34.599 | 27.68 | 43.15 | 0.185 | 1462.0 |
| STD | 400 | 1.92 | 34.668 | 27.73 | 38.91 | 0.226 | 1464.1 |
| STD | 500 | 1.92 | 34.709 | 27.77 | 36.30 | 0.264 | 1465.8 |
| STD | 600 | 1.95 | 34.728 | 27.78 | 35.54 | 0.300 | 1467.6 |
| STD | 700 | 1.87 | 34.735 | 27.79 | 34.75 | 0.335 | 1468.9 |
| STD | 800 | 1.85 | 34.738 | 27.80 | 34.81 | 0.370 | 1470.5 |
| STD | 900 | 1.78 | 34.741 | 27.80 | 34.36 | 0.404 | 1471.9 |
| STD | 1000 | 1.72 | 34.740 | 27.81 | 34.18 | 0.439 | 1473.3 |
| STD | 1100 | 1.62 | 34.739 | 27.81 | 33.69 | 0.473 | 1474.5 |
| STD | 1200 | 1.51 | 34.737 | 27.82 | 33.12 | 0.506 | 1475.7 |
| STD | 1300 | 1.40 | 34.736 | 27.83 | 32.46 | 0.539 | 1476.9 |
| STD | 1400 | 1.29 | 34.731 | 27.83 | 32.04 | 0.571 | 1478.1 |
| STD | 1500 | 1.19 | 34.727 | 27.83 | 31.54 | 0.603 | 1479.4 |
| STD | 1750 | 0.96 | 34.714 | 27.84 | 30.64 | 0.681 | 1482.6 |
| STD | 2000 | 0.76 | 34.704 | 27.84 | 29.66 | 0.756 | 1485.9 |
| STD | 2250 | 0.58 | 34.697 | 27.85 | 28.53 | 0.829 | 1489.4 |
| STD | 2500 | 0.44 | 34.685 | 27.85 | 27.87 | 0.899 | 1493.1 |
| STD | 2750 | 0.29 | 34.683 | 27.86 | 26.43 | 0.967 | 1496.7 |
| STD | 3000 | 0.17 | 34.679 | 27.86 | 25.27 | 1.032 | 1500.5 |
| STD | 3250 | 0.07 | 34.672 | 27.86 | 24.43 | 1.094 | 1504.5 |
| STD | 3500 | -0.00 | 34.673 | 27.86 | 23.31 | 1.153 | 1508.5 |
| STD | 3750 | -0.05 | 34.673 | 27.87 | 22.48 | 1.211 | 1512.7 |
| STD | 4000 | -0.10 | 34.672 | 27.87 | 21.70 | 1.266 | 1516.9 |
| STD | 4250 | -0.14 | 34.672 | 27.87 | 20.92 | 1.319 | 1521.2 |
| STD | 4500 | -0.17 | 34.674 | 27.87 | 20.19 | 1.371 | 1525.6 |
| STD | 4564 | -0.17 | 34.673 | 27.87 | 20.25 | 1.384 | 1526.7 |

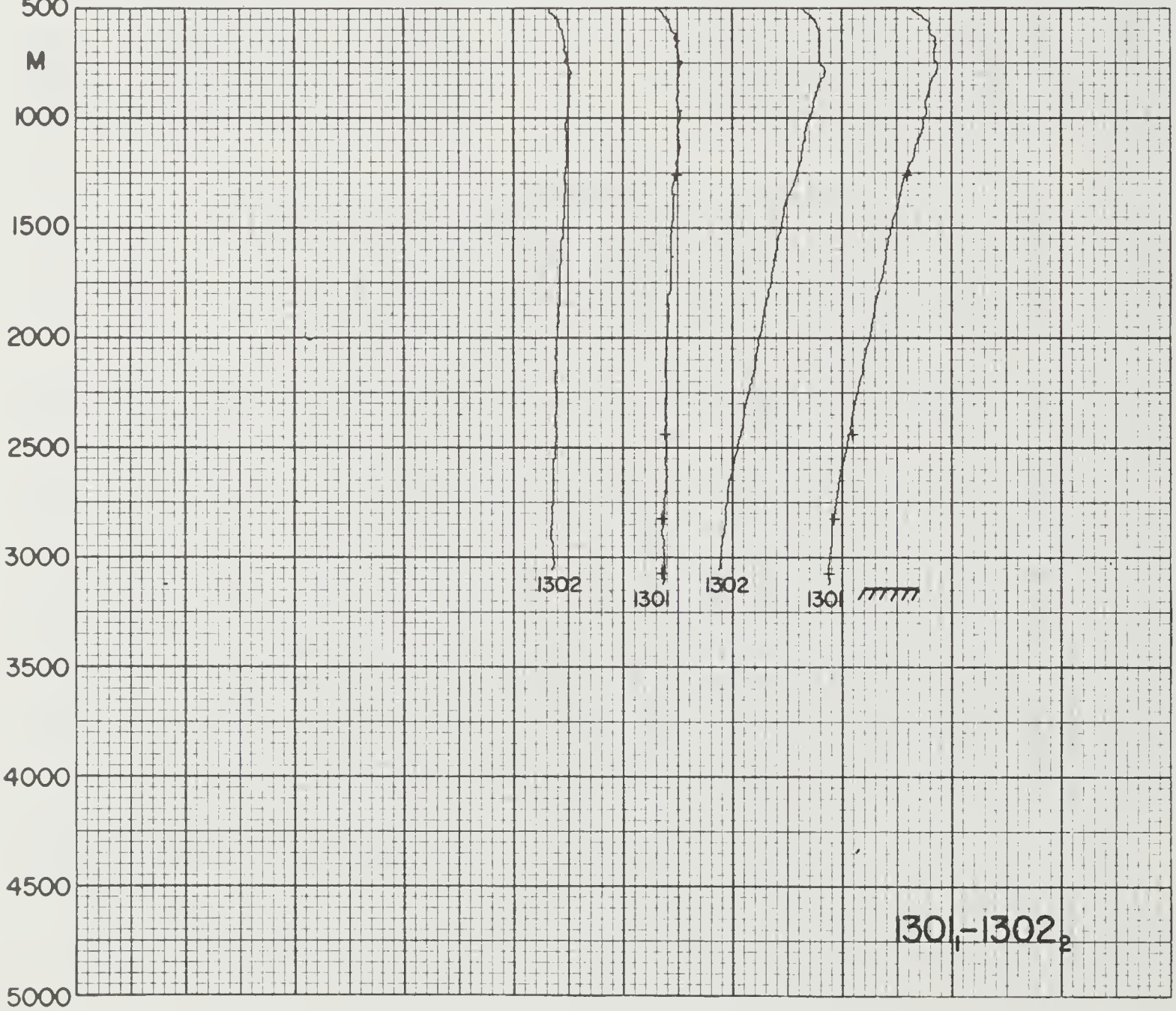
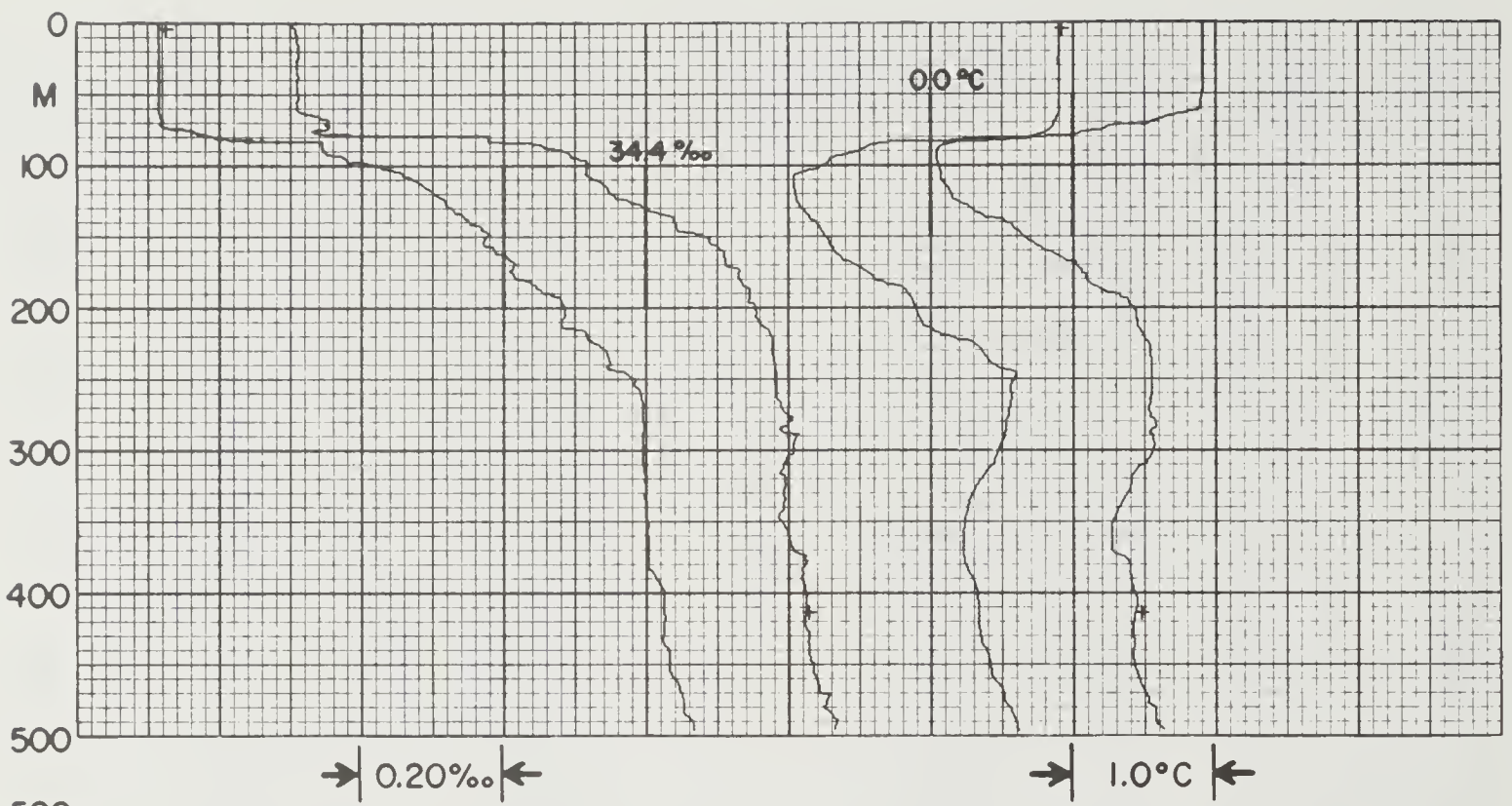
PING 18

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|--|-----|-----|-----|
| EL 47 | 1297 | 0 | | 10 | 3 | 71 | 12.5 | 5847.0S | 8414.1E | 507 | 3063 | C.1 | | 354 | 41 | 25 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | |
| OBS | 2 | 1.04 | 33.876 | | 27.16 | | | 1452.5 | 775 | | | | | | | 12 |
| OBS | 23 | 0.97 | 33.883 | | 27.17 | | | 1452.5 | 775 | 156 | | | | | | 13 |
| OBS | 51 | 0.96 | 33.897 | | 27.18 | | | 1453.0 | 772 | 156 | | | | | | 14 |
| OBS | 100 | -0.64 | 34.347 | | 27.63 | | | 1447.1 | 614 | 217 | | | | | | 66 |
| OBS | 150 | 0.14 | 34.490 | | 27.71 | | | 1451.7 | 552 | 222 | | | | | | 74 |
| OBS | 199 | 0.79 | 34.569 | | 27.73 | | | 1455.6 | 506 | 225 | | | | | | 79 |
| OBS | 248 | 1.64 | 34.671 | | 27.76 | | | 1460.3 | 439 | 224 | | | | | | 85 |
| OBS | 298 | 1.73 | 34.696 | | 27.77 | | | 1461.6 | 437 | 223 | | | | | | 85 |
| OBS | 491 | 1.59 | 34.718 | | 27.80 | | | 1464.2 | 460 | 217 | | | | | | 87 |
| OBS | 689 | 1.48 | 34.735 | | 27.82 | | | 1467.0 | 472 | 217 | | | | | | 91 |
| OBS | 888 | 1.30 | 34.730 | | 27.83 | | | 1469.6 | | 211 | | | | | | 96 |
| OBS | 1085 | 1.08 | 34.721 | | 27.84 | | | 1471.9 | 499 | 215 | | | | | | 101 |
| OBS | 1162 | 1.03 | 34.723 | | 27.84 | | | 1473.0 | 496 | 215 | | | | | | 104 |
| OBS | 1364 | 0.85 | 34.716 | | 27.85 | | | 1475.6 | 497 | 218 | | | | | | 108 |
| OBS | 1562 | 0.71 | 34.705 | | 27.85 | | | 1478.3 | 502 | 222 | | | | | | 116 |
| OBS | 1764 | 0.61 | 34.699 | | 27.85 | | | 1481.2 | | 222 | | | | | | 116 |
| OBS | 1960 | 0.48 | 34.694 | | 27.85 | | | 1484.0 | 503 | 224 | | | | | | 118 |
| OBS | 2158 | 0.41 | 34.692 | | 27.86 | | | 1487.1 | 518C | 221 | | | | | | 120 |
| OBS | 2361 | 0.34 | 34.686 | | 27.86 | | | 1490.3 | 508 | 223 | | | | | | 123 |
| OBS | 2559 | 0.33 | 34.685 | | 27.85 | | | 1493.6 | 511 | 219 | | | | | | 122 |
| OBS | 2762 | 0.33 | 34.684 | | 27.85 | | | 1497.2 | | 225 | | | | | | 121 |
| OBS | 2967 | 0.17 | 34.681 | | 27.86 | | | 1500.0 | | 225 | | | | | | 122 |
| OBS | 3016 | 0.15 | 34.678 | | 27.86 | | | 1500.8 | 529 | 225 | | | | | | 122 |
| OBS | 3065 | | 34.679 | | | | | | 523 | 225 | | | | | | 120 |
| OBS | 3090 | 0.15 | 34.678 | | 27.86 | | | 1502.1 | 530 | 223 | | | | | | 122 |
| PING | 18 | | | | | | | | | | | | | | | |
| ISL | 0 | 1.04 | 33.876 | | 27.16 | 91.29 | 0.000 | 1452.5 | | | | | | | | |
| ISL | 10 | 1.02 | 33.878 | | 27.17 | 91.02 | 0.009 | 1452.5 | | | | | | | | |
| ISL | 20 | 0.98 | 33.882 | | 27.17 | 90.49 | 0.018 | 1452.5 | | | | | | | | |
| ISL | 30 | 0.96 | 33.886 | | 27.18 | 90.07 | 0.027 | 1452.6 | | | | | | | | |
| ISL | 50 | 0.97 | 33.894 | | 27.18 | 89.55 | 0.045 | 1453.0 | | | | | | | | |
| ISL | 75 | 0.27 | 34.129 | | 27.41 | 67.68 | 0.065 | 1450.6 | | | | | | | | |
| ISL | 100 | -0.64 | 34.347 | | 27.63 | 46.67 | 0.079 | 1447.1 | | | | | | | | |
| ISL | 125 | -0.25 | 34.436 | | 27.68 | 41.59 | 0.090 | 1449.5 | | | | | | | | |
| ISL | 150 | 0.14 | 34.490 | | 27.71 | 39.51 | 0.100 | 1451.7 | | | | | | | | |
| ISL | 200 | 0.81 | 34.571 | | 27.73 | 37.37 | 0.120 | 1455.7 | | | | | | | | |
| ISL | 250 | 1.66 | 34.673 | | 27.76 | 35.80 | 0.138 | 1460.4 | | | | | | | | |
| ISL | 300 | 1.73 | 34.697 | | 27.77 | 34.82 | 0.155 | 1461.6 | | | | | | | | |
| ISL | 400 | 1.65 | 34.709 | | 27.79 | 33.69 | 0.190 | 1463.0 | | | | | | | | |
| ISL | 500 | 1.58 | 34.719 | | 27.80 | 32.72 | 0.223 | 1464.3 | | | | | | | | |
| ISL | 600 | 1.53 | 34.729 | | 27.81 | 31.84 | 0.255 | 1465.8 | | | | | | | | |
| ISL | 700 | 1.47 | 34.735 | | 27.82 | 31.26 | 0.287 | 1467.2 | | | | | | | | |
| ISL | 800 | 1.39 | 34.733 | | 27.83 | 30.97 | 0.318 | 1468.5 | | | | | | | | |
| ISL | 900 | 1.29 | 34.730 | | 27.83 | 30.68 | 0.349 | 1469.7 | | | | | | | | |
| ISL | 1000 | 1.18 | 34.725 | | 27.83 | 30.29 | 0.379 | 1470.9 | | | | | | | | |
| ISL | 1100 | 1.07 | 34.721 | | 27.84 | 29.86 | 0.409 | 1472.1 | | | | | | | | |
| ISL | 1200 | 1.00 | 34.723 | | 27.84 | 29.29 | 0.439 | 1473.5 | | | | | | | | |
| ISL | 1300 | 0.90 | 34.719 | | 27.85 | 28.91 | 0.468 | 1474.7 | | | | | | | | |
| ISL | 1400 | 0.82 | 34.714 | | 27.85 | 28.62 | 0.497 | 1476.0 | | | | | | | | |
| ISL | 1500 | 0.75 | 34.708 | | 27.85 | 28.55 | 0.525 | 1477.4 | | | | | | | | |
| ISL | 1750 | 0.62 | 34.699 | | 27.85 | 28.22 | 0.596 | 1481.0 | | | | | | | | |
| ISL | 2000 | 0.47 | 34.693 | | 27.85 | 27.29 | 0.666 | 1484.6 | | | | | | | | |
| ISL | 2250 | 0.38 | 34.689 | | 27.86 | 26.74 | 0.733 | 1488.5 | | | | | | | | |
| ISL | 2500 | 0.33 | 34.685 | | 27.85 | 26.62 | 0.800 | 1492.6 | | | | | | | | |
| ISL | 2750 | 0.33 | 34.684 | | 27.85 | 26.80 | 0.867 | 1497.0 | | | | | | | | |
| ISL | 3000 | 0.16 | 34.679 | | 27.86 | 25.03 | 0.931 | 1500.5 | | | | | | | | |

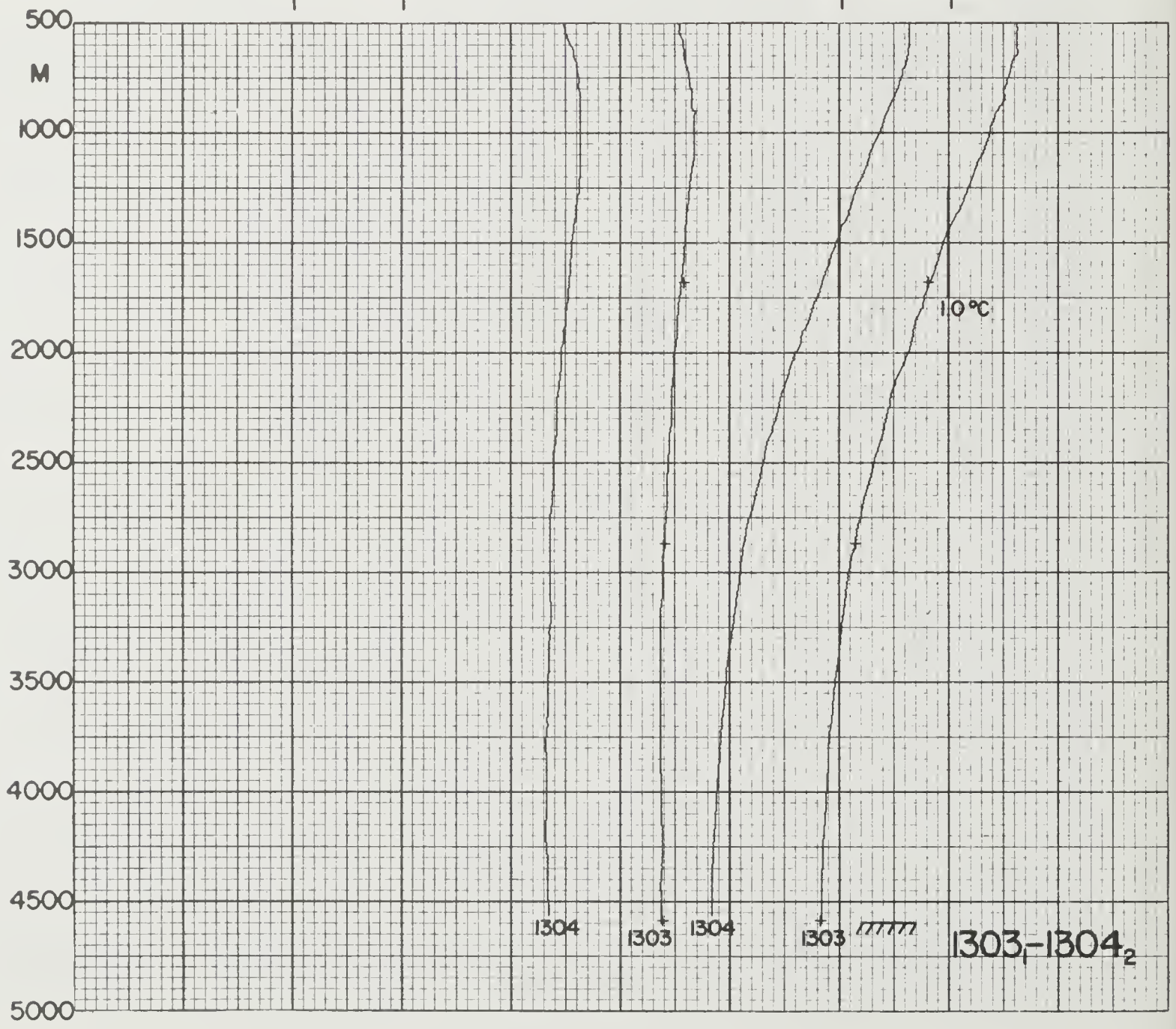
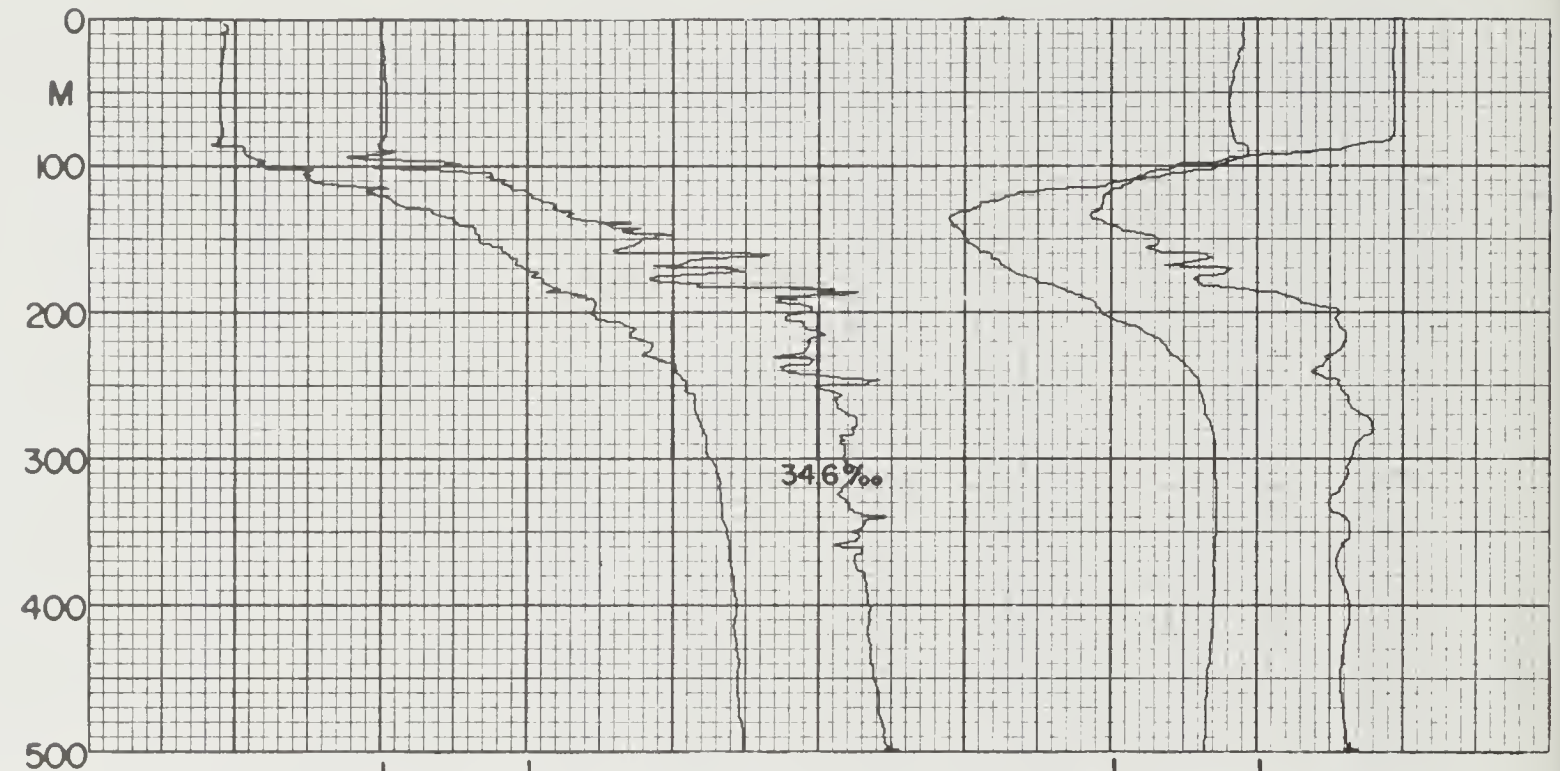
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|--------------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 47 | 1298 | 0 | | 13 | 3 | 71 | 11.6 | 6111.0S | 7058.6E | 544 | 4344 | -1.2 | | 134 | 113 | 25 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \mu\text{mol/l}$ | PHOS $10^2 \cdot \mu\text{mol/l}$ | NITR $10 \cdot \mu\text{mol/l}$ | SILIC $\mu\text{mol/l}$ | | |
| OBS | 4 | 1.03 | | 33.780 | | 27.09 | | | | 1452.3 | 780 | 153 | | | | 27 |
| OBS | 67 | -1.09 | | 33.929 | | 27.31 | | | | 1443.9 | 794 | 201 | | | | 39 |
| OBS | 102 | -1.50 | | 34.007 | | 27.39 | | | | 1442.6 | 776 | 208 | | | | 45 |
| OBS | 126 | -0.98 | | 34.085 | | 27.43 | | | | 1445.6 | 732 | 210 | | | | 50 |
| OBS | 150 | -0.86 | | 34.150 | | 27.48 | | | | 1446.6 | 698 | 217 | | | | 52 |
| OBS | 199 | 1.01 | | 34.378 | | 27.57 | | | | 1456.3 | 514 | 236 | | | | 66 |
| OBS | 297 | 1.83 | | 34.564 | | 27.66 | | | | 1461.8 | 420 | 236 | | | | 78 |
| OBS | 492 | 2.06 | | 34.678 | | 27.73 | | | | 1466.2 | 418 | 227 | | | | 80 |
| OBS | 688 | 2.02 | | 34.742 | | 27.79 | | | | 1469.4 | 444 | 215 | | | | 82 |
| OBS | 886 | 1.89 | | 34.747 | | 27.80 | | | | 1472.1 | 451 | 211 | | | | 84 |
| OBS | 1084 | 1.71 | | 34.752 | | 27.82 | | | | 1474.6 | 467 | 208 | | | | 85 |
| OBS | 1283 | 1.57 | | 34.754 | | 27.83 | | | | 1477.3 | 478 | 205 | | | | 90 |
| OBS | 1471 | 1.40 | | 34.746 | | 27.84 | | | | 1479.7 | 478 | 210 | | | | 93 |
| OBS | 1808 | 1.02 | | 34.727 | | 27.85 | | | | 1483.7 | 486 | 212 | | | | 104 |
| OBS | 2115 | 0.80 | | 34.713 | | 27.85 | | | | 1488.0 | 485 | 219 | | | | 111 |
| OBS | 2417 | 0.59 | | 34.703 | | 27.85 | | | | 1492.2 | 493 | 224 | | | | 117 |
| OBS | 2724 | 0.41 | | 34.695 | | 27.86 | | | | 1496.7 | 499 | 224 | | | | 123 |
| OBS | 3026 | 0.28 | | 34.687 | | 27.86 | | | | 1501.3 | 504 | 224 | | | | 124 |
| OBS | 3334 | 0.14 | | 34.678 | | 27.86 | | | | 1506.0 | 518 | 225 | | | | 125 |
| OBS | 3641 | | | 34.681 | | | | | | | 531 | 226 | | | | 128 |
| OBS | 3948 | -0.09 | | 34.671 | | 27.87 | | | | 1515.8 | 545 | 225 | | | | 128 |
| OBS | 4245 | -0.15 | | 34.670 | | 27.87 | | | | 1520.8 | 551 | 224 | | | | 132 |
| OBS | 4293 | -0.16 | | 34.666 | | 27.87 | | | | 1521.6 | 553 | 225 | | | | 134 |
| OBS | 4341 | -0.16 | | 34.664 | | 27.86 | | | | 1522.5 | 554 | 224 | | | | 134 |
| OBS | 4360 | -0.16 | | 34.665 | | 27.86 | | | | 1522.8 | 552 | 225 | | | | 134 |
| PING | 20 | | | | | | | | | | | | | | | |
| ISL | 0 | 1.03 | | 33.780 | | 27.09 | | 98.53 | 0.000 | 1452.3 | | | | | | |
| ISL | 10 | 0.74 | | 33.794 | | 27.12 | | 95.76 | 0.010 | 1451.2 | | | | | | |
| ISL | 20 | 0.30 | | 33.817 | | 27.16 | | 91.61 | 0.019 | 1449.4 | | | | | | |
| ISL | 30 | -0.09 | | 33.841 | | 27.20 | | 87.87 | 0.028 | 1447.8 | | | | | | |
| ISL | 50 | -0.72 | | 33.889 | | 27.26 | | 81.52 | 0.045 | 1445.3 | | | | | | |
| ISL | 75 | -1.28 | | 33.947 | | 27.33 | | 74.93 | 0.065 | 1443.1 | | | | | | |
| ISL | 100 | -1.51 | | 34.002 | | 27.38 | | 69.89 | 0.083 | 1442.5 | | | | | | |
| ISL | 125 | -0.99 | | 34.082 | | 27.43 | | 65.39 | 0.100 | 1445.5 | | | | | | |
| ISL | 150 | -0.86 | | 34.150 | | 27.48 | | 60.63 | 0.115 | 1446.6 | | | | | | |
| ISL | 200 | 1.03 | | 34.381 | | 27.57 | | 53.23 | 0.144 | 1456.4 | | | | | | |
| ISL | 250 | 1.63 | | 34.512 | | 27.63 | | 47.78 | 0.169 | 1460.1 | | | | | | |
| ISL | 300 | 1.85 | | 34.568 | | 27.66 | | 45.42 | 0.192 | 1461.9 | | | | | | |
| ISL | 400 | 2.02 | | 34.638 | | 27.70 | | 42.09 | 0.236 | 1464.5 | | | | | | |
| ISL | 500 | 2.06 | | 34.682 | | 27.73 | | 39.59 | 0.277 | 1466.3 | | | | | | |
| ISL | 600 | 2.06 | | 34.720 | | 27.76 | | 37.18 | 0.315 | 1468.0 | | | | | | |
| ISL | 700 | 2.01 | | 34.742 | | 27.79 | | 35.57 | 0.352 | 1469.5 | | | | | | |
| ISL | 800 | 1.96 | | 34.745 | | 27.79 | | 35.29 | 0.387 | 1470.9 | | | | | | |
| ISL | 900 | 1.88 | | 34.747 | | 27.80 | | 34.81 | 0.422 | 1472.3 | | | | | | |
| ISL | 1000 | 1.78 | | 34.750 | | 27.81 | | 34.12 | 0.457 | 1473.5 | | | | | | |
| ISL | 1100 | 1.70 | | 34.752 | | 27.82 | | 33.50 | 0.490 | 1474.8 | | | | | | |
| ISL | 1200 | 1.63 | | 34.754 | | 27.83 | | 33.04 | 0.524 | 1476.2 | | | | | | |
| ISL | 1300 | 1.56 | | 34.754 | | 27.83 | | 32.70 | 0.557 | 1477.6 | | | | | | |
| ISL | 1400 | 1.47 | | 34.750 | | 27.83 | | 32.44 | 0.589 | 1478.8 | | | | | | |
| ISL | 1500 | 1.37 | | 34.745 | | 27.84 | | 32.09 | 0.621 | 1480.1 | | | | | | |
| ISL | 1750 | 1.08 | | 34.730 | | 27.84 | | 30.76 | 0.700 | 1483.0 | | | | | | |
| ISL | 2000 | 0.88 | | 34.718 | | 27.85 | | 29.97 | 0.776 | 1486.4 | | | | | | |
| ISL | 2250 | 0.70 | | 34.708 | | 27.85 | | 29.06 | 0.850 | 1489.8 | | | | | | |
| ISL | 2500 | 0.54 | | 34.701 | | 27.86 | | 27.89 | 0.921 | 1493.4 | | | | | | |
| ISL | 2750 | 0.40 | | 34.694 | | 27.86 | | 26.88 | 0.989 | 1497.0 | | | | | | |
| ISL | 3000 | 0.29 | | 34.688 | | 27.86 | | 26.12 | 1.056 | 1500.9 | | | | | | |
| ISL | 3250 | 0.18 | | 34.680 | | 27.86 | | 25.21 | 1.120 | 1504.7 | | | | | | |
| ISL | 3500 | 0.07 | | 34.680 | | 27.86 | | 23.78 | 1.181 | 1508.6 | | | | | | |
| ISL | 3750 | -0.03 | | 34.678 | | 27.87 | | 22.46 | 1.239 | 1512.6 | | | | | | |
| ISL | 4000 | -0.10 | | 34.670 | | 27.87 | | 21.85 | 1.294 | 1516.7 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 47 | 1299 | 0 | | 14 | 3 | 71 | 14.4 | 5957.1S | 7330.4E | 508 | 2527 | 0.5 | | 74 | 0 | 25 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 0.93 | 33.742 | 27.06 | | | 1451.8 | 785 | 168 | | 32 | | | | | |
| OBS | 37 | 0.93 | 33.764 | 27.08 | | | 1452.4 | 784 | 162 | | 32 | | | | | |
| OBS | 69 | -0.83 | 33.915 | 27.29 | | | 1445.1 | 789 | 205 | | 39 | | | | | |
| OBS | 92 | -1.51 | 33.993 | 27.37 | | | 1442.4 | 784 | 209 | | 45 | | | | | |
| OBS | 114 | -1.47 | 34.047 | 27.42 | | | 1443.0 | 760 | 211 | | 47 | | | | | |
| OBS | 137 | -0.75 | 34.145 | 27.47 | | | 1446.9 | 688 | 214 | | 53 | | | | | |
| OBS | 160 | 0.47 | 34.284 | 27.52 | | | 1453.1 | 573 | 230 | | 60 | | | | | |
| OBS | 183 | 1.13 | 34.378 | 27.56 | | | 1456.6 | 504 | 236 | | 66 | | | | | |
| OBS | 219 | 1.65 | 34.473 | 27.60 | | | 1459.6 | 449 | 240 | | 71 | | | | | |
| OBS | 265 | 1.89 | 34.537 | 27.63 | | | 1461.5 | 420 | 239 | | 74 | | | | | |
| OBS | 450 | 2.01 | 34.653 | 27.71 | | | 1465.2 | 415 | 230 | | 80 | | | | | |
| OBS | 640 | 2.01 | 34.711 | 27.76 | | | 1468.5 | 432 | 218 | | 81 | | | | | |
| OBS | 836 | 1.94 | 34.739 | 27.79 | | | 1471.5 | 446 | 209 | | 82 | | | | | |
| OBS | 919 | 1.85 | 34.750 | 27.80 | | | 1472.5 | 454 | 205 | | 84 | | | | | |
| OBS | 1119 | 1.71 | 34.755 | 27.82 | | | 1475.2 | 466 | 205 | | 88 | | | | | |
| OBS | 1324 | 1.54 | 34.752 | 27.83 | | | 1477.9 | 474 | 202 | | 92 | | | | | |
| OBS | 1523 | 1.30 | 34.740 | 27.84 | | | 1480.2 | 473 | 211 | | 98 | | | | | |
| OBS | 1723 | 1.12 | 34.731 | 27.84 | | | 1482.7 | 474 | 211 | | 104 | | | | | |
| OBS | 1928 | 0.89 | 34.718 | 27.85 | | | 1485.2 | 481 | 216 | | 112 | | | | | |
| OBS | 2127 | 0.72 | 34.711 | 27.85 | | | 1487.8 | 485 | 221 | | 115 | | | | | |
| OBS | 2326 | 0.60 | 34.706 | 27.86 | | | 1490.7 | 487 | 221 | | 117 | | | | | |
| OBS | 2430 | 0.55 | 34.702 | 27.86 | | | 1492.2 | 488 | 219 | | 121 | | | | | |
| OBS | 2480 | 0.53 | 34.700 | 27.86 | | | 1493.0 | 490 | 219 | | 122 | | | | | |
| OBS | 2505 | 0.53 | 34.700 | 27.86 | | | 1493.4 | 492 | 219 | | 122 | | | | | |
| OBS | 2520 | 0.52 | 34.700 | 27.86 | | | 1493.6 | 493 | 220 | | 121 | | | | | |
| PING | 21 | | | | | | | | | | | | | | | |
| ISL | 0 | 0.93 | 33.742 | 27.06 | 100.83 | 0.000 | 1451.8 | | | | | | | | | |
| ISL | 10 | 1.08 | 33.736 | 27.05 | 102.21 | 0.010 | 1452.6 | | | | | | | | | |
| ISL | 20 | 1.13 | 33.738 | 27.05 | 102.34 | 0.020 | 1453.0 | | | | | | | | | |
| ISL | 30 | 1.04 | 33.751 | 27.06 | 100.85 | 0.031 | 1452.8 | | | | | | | | | |
| ISL | 50 | 0.16 | 33.831 | 27.18 | 89.84 | 0.050 | 1449.2 | | | | | | | | | |
| ISL | 75 | -1.07 | 33.938 | 27.32 | 76.37 | 0.070 | 1444.1 | | | | | | | | | |
| ISL | 100 | -1.57 | 34.015 | 27.39 | 68.75 | 0.089 | 1442.3 | | | | | | | | | |
| ISL | 125 | -1.20 | 34.089 | 27.44 | 64.15 | 0.105 | 1444.5 | | | | | | | | | |
| ISL | 150 | -0.05 | 34.224 | 27.50 | 58.66 | 0.120 | 1450.5 | | | | | | | | | |
| ISL | 200 | 1.44 | 34.430 | 27.58 | 52.44 | 0.148 | 1458.3 | | | | | | | | | |
| ISL | 250 | 1.85 | 34.523 | 27.62 | 48.65 | 0.174 | 1461.1 | | | | | | | | | |
| ISL | 300 | 1.97 | 34.575 | 27.66 | 45.92 | 0.197 | 1462.5 | | | | | | | | | |
| ISL | 400 | 1.99 | 34.631 | 27.70 | 42.36 | 0.241 | 1464.3 | | | | | | | | | |
| ISL | 500 | 2.02 | 34.673 | 27.73 | 39.85 | 0.282 | 1466.1 | | | | | | | | | |
| ISL | 600 | 2.02 | 34.702 | 27.75 | 38.11 | 0.321 | 1467.8 | | | | | | | | | |
| ISL | 700 | 2.00 | 34.720 | 27.77 | 37.09 | 0.359 | 1469.4 | | | | | | | | | |
| ISL | 800 | 1.97 | 34.734 | 27.78 | 36.19 | 0.396 | 1471.0 | | | | | | | | | |
| ISL | 900 | 1.87 | 34.748 | 27.80 | 34.69 | 0.431 | 1472.2 | | | | | | | | | |
| ISL | 1000 | 1.80 | 34.755 | 27.81 | 33.88 | 0.465 | 1473.6 | | | | | | | | | |
| ISL | 1100 | 1.72 | 34.755 | 27.82 | 33.56 | 0.499 | 1474.9 | | | | | | | | | |
| ISL | 1200 | 1.65 | 34.755 | 27.82 | 33.20 | 0.532 | 1476.3 | | | | | | | | | |
| ISL | 1300 | 1.56 | 34.753 | 27.83 | 32.83 | 0.565 | 1477.6 | | | | | | | | | |
| ISL | 1400 | 1.45 | 34.747 | 27.83 | 32.44 | 0.598 | 1478.8 | | | | | | | | | |
| ISL | 1500 | 1.32 | 34.741 | 27.84 | 31.88 | 0.630 | 1479.9 | | | | | | | | | |
| ISL | 1750 | 1.09 | 34.729 | 27.84 | 30.92 | 0.709 | 1483.1 | | | | | | | | | |
| ISL | 2000 | 0.82 | 34.715 | 27.85 | 29.55 | 0.784 | 1486.1 | | | | | | | | | |
| ISL | 2250 | 0.64 | 34.708 | 27.85 | 28.34 | 0.857 | 1489.5 | | | | | | | | | |
| ISL | 2500 | 0.53 | 34.700 | 27.86 | 27.87 | 0.927 | 1493.3 | | | | | | | | | |

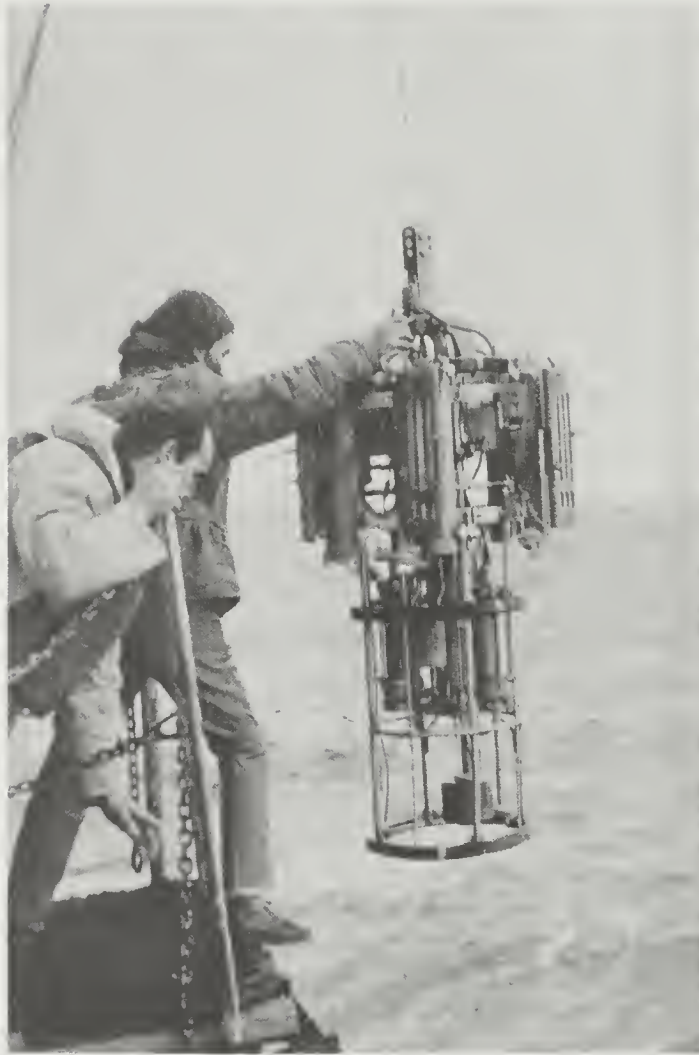
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------|-------------------------------|---------------------------------|-------------------|-----------------|-----|
| EL 47 | 1300 | 0 | | 15 | 3 | 71 | 21.4 | 5717.2S | 7848.8E | 508 | 1632 | 0.5 | | 216 | 224 | 25 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | |
| OBS | 3 | 1.08 | | 33.976 | | 27.24 | | | | 1452.8 | | 778 | 176 | | | 12 |
| OBS | 22 | 1.05 | | 33.976 | | 27.24 | | | | 1453.0 | | 780 | 180 | | | 12 |
| OBS | 41 | 1.05 | | 33.975 | | 27.24 | | | | 1453.3 | | 779 | 181 | | | 12 |
| OBS | 61 | 1.02 | | 33.977 | | 27.24 | | | | 1453.5 | | 779 | 182 | | | 12 |
| OBS | 70 | 1.02 | | 33.980 | | 27.25 | | | | 1453.7 | | 781 | 183 | | | 12 |
| OBS | 80 | 0.92 | | 33.986 | | 27.26 | | | | 1453.4 | | 770 | 184 | | | 15 |
| OBS | 90 | -0.21 | | 34.172 | | 27.47 | | | | 1448.7 | | 688 | 218 | | | 49 |
| OBS | 99 | -0.65 | | 34.254 | | 27.56 | | | | 1446.9 | | 655 | 215 | | | 61 |
| OBS | 109 | -0.24 | | 34.329 | | 27.60 | | | | 1449.1 | | 612 | 230 | | | 67 |
| OBS | 119 | 0.23 | | 34.397 | | 27.63 | | | | 1451.5 | | 570 | 234 | | | 69 |
| OBS | 129 | 0.46 | | 34.433 | | 27.64 | | | | 1452.7 | | 551 | 233 | | | 71 |
| OBS | 139 | 0.73 | | 34.478 | | 27.66 | | | | 1454.2 | | 523 | 226 | | | 74 |
| OBS | 1440 | 0.92 | | 34.477 | | 27.65 | | | | 1455.1 | | 491 | 238 | | | 74 |
| OBS | 149 | 1.11 | | 34.537 | | 27.69 | | | | 1456.1 | | 481 | 235 | | | 77 |
| OBS | 169 | 1.67 | | 34.623 | | 27.72 | | | | 1459.1 | | 422 | 229 | | | 81 |
| OBS | 296 | 1.89 | | 34.696 | | 27.76 | | | | 1462.2 | | 415 | 228 | | | 83 |
| OBS | 489 | 1.78 | | 34.730 | | 27.79 | | | | 1465.0 | | 438 | 220 | | | 85 |
| OBS | 683 | 1.64 | | 34.746 | | 27.82 | | | | 1467.6 | | 454 | 215 | | | 87 |
| OBS | 887 | 1.46 | | 34.745 | | 27.83 | | | | 1470.2 | | 465 | 213 | | | 93 |
| OBS | 1086 | 1.23 | | 34.742 | | 27.84 | | | | 1472.6 | | 471 | 214 | | | 97 |
| OBS | 1285 | 1.04 | | 34.727 | | 27.84 | | | | 1475.0 | | 474 | 219 | | | 100 |
| OBS | 1490 | 0.86 | | 34.731 | | 27.86 | | | | 1477.7 | | 475 | 223 | | | 112 |
| OBS | 1564 | 0.74 | | 34.712 | | 27.85 | | | | 1478.4 | | 474 | 225 | | | 121 |
| OBS | 1614 | 0.72 | | 34.709 | | 27.85 | | | | 1479.1 | | 470 | 225 | | | 131 |
| OBS | 1624 | 0.73 | | 34.707 | | 27.85 | | | | 1479.4 | | 472 | 226 | | | 130 |
| PING | 23 | | | | | | | | | | | | | | | |
| ISL | 0 | 1.08 | | 33.976 | | 27.24 | | 83.95 | 0.000 | 1452.8 | | | | | | |
| ISL | 10 | 1.07 | | 33.976 | | 27.24 | | 83.86 | 0.008 | 1452.9 | | | | | | |
| ISL | 20 | 1.05 | | 33.976 | | 27.24 | | 83.78 | 0.017 | 1453.0 | | | | | | |
| ISL | 30 | 1.05 | | 33.976 | | 27.24 | | 83.79 | 0.025 | 1453.1 | | | | | | |
| ISL | 50 | 1.04 | | 33.975 | | 27.24 | | 83.79 | 0.042 | 1453.4 | | | | | | |
| ISL | 75 | 1.00 | | 33.982 | | 27.25 | | 83.03 | 0.063 | 1453.6 | | | | | | |
| ISL | 100 | -0.64 | | 34.262 | | 27.56 | | 53.16 | 0.080 | 1447.0 | | | | | | |
| ISL | 125 | 0.37 | | 34.418 | | 27.64 | | 46.25 | 0.092 | 1452.2 | | | | | | |
| ISL | 150 | 1.14 | | 34.545 | | 27.69 | | 41.43 | 0.103 | 1456.3 | | | | | | |
| ISL | 200 | 1.85 | | 34.664 | | 27.74 | | 37.85 | 0.123 | 1460.5 | | | | | | |
| ISL | 250 | 1.87 | | 34.679 | | 27.75 | | 36.99 | 0.142 | 1461.4 | | | | | | |
| ISL | 300 | 1.89 | | 34.698 | | 27.76 | | 36.06 | 0.160 | 1462.3 | | | | | | |
| ISL | 400 | 1.84 | | 34.719 | | 27.78 | | 34.42 | 0.195 | 1463.8 | | | | | | |
| ISL | 500 | 1.77 | | 34.731 | | 27.80 | | 33.38 | 0.229 | 1465.2 | | | | | | |
| ISL | 600 | 1.70 | | 34.741 | | 27.81 | | 32.45 | 0.262 | 1466.5 | | | | | | |
| ISL | 700 | 1.63 | | 34.747 | | 27.82 | | 31.77 | 0.294 | 1467.9 | | | | | | |
| ISL | 800 | 1.54 | | 34.746 | | 27.82 | | 31.42 | 0.326 | 1469.2 | | | | | | |
| ISL | 900 | 1.45 | | 34.745 | | 27.83 | | 30.98 | 0.357 | 1470.4 | | | | | | |
| ISL | 1000 | 1.33 | | 34.744 | | 27.84 | | 30.26 | 0.388 | 1471.5 | | | | | | |
| ISL | 1100 | 1.22 | | 34.741 | | 27.84 | | 29.72 | 0.418 | 1472.7 | | | | | | |
| ISL | 1200 | 1.12 | | 34.734 | | 27.84 | | 29.60 | 0.447 | 1474.0 | | | | | | |
| ISL | 1300 | 1.03 | | 34.727 | | 27.85 | | 29.48 | 0.477 | 1475.2 | | | | | | |
| ISL | 1400 | 0.94 | | 34.727 | | 27.85 | | 28.81 | 0.506 | 1476.5 | | | | | | |
| ISL | 1500 | 0.84 | | 34.729 | | 27.86 | | 27.95 | 0.534 | 1477.8 | | | | | | |



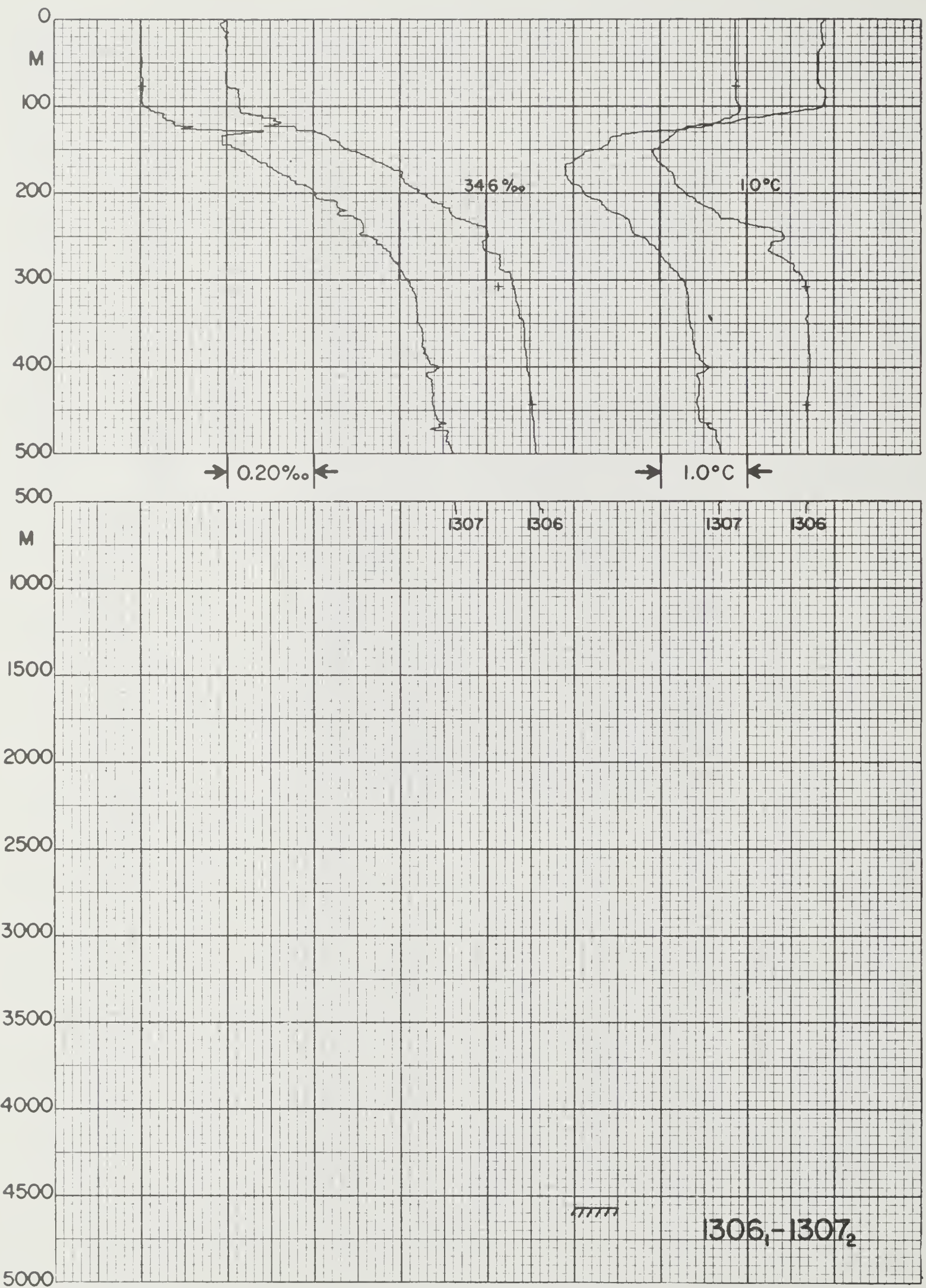
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 47 | 1301 | 1 | 3 | 16 | 3 | 71 | 10.7 | 5625.6S | 8009.2E | 507 | 3123 | 0.2 | | 236 | 234 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| COM1 | 414 | 0.48 | | 34.630 | | 27.80 | | | | | 537Q | 212 | | 83 | | |
| COM1 | 1259 | 0.60 | | 34.701 | | 27.85 | | | | | 494 | 221 | | 108 | | |
| COM1 | 2442 | 0.11 | | 34.680 | | 27.86 | | | | | 533 | 226 | | 119 | | |
| COM1 | 2824 | -0.06 | | 34.674 | | 27.87 | | | | | 544 | 225 | | 118 | | |
| COM1 | 3073 | -0.11 | | 34.675 | | 27.87 | | | | | 545 | 224 | | 119 | | |
| STD | 0 | 0.91 | | 33.901 | | 27.19 | | 88.62 | 0.000 | 1451.9 | | | | | | |
| STD | 10 | 0.91 | | 33.908 | | 27.20 | | 88.08 | 0.009 | 1452.1 | | | | | | |
| STD | 20 | 0.91 | | 33.909 | | 27.20 | | 88.01 | 0.018 | 1452.2 | | | | | | |
| STD | 30 | 0.91 | | 33.908 | | 27.20 | | 88.05 | 0.026 | 1452.4 | | | | | | |
| STD | 50 | 0.90 | | 33.909 | | 27.20 | | 88.02 | 0.044 | 1452.7 | | | | | | |
| STD | 75 | 0.22 | | 33.951 | | 27.27 | | 80.94 | 0.065 | 1450.1 | | | | | | |
| STD | 100 | -0.95 | | 34.316 | | 27.62 | | 47.84 | 0.081 | 1445.6 | | | | | | |
| STD | 125 | -0.82 | | 34.368 | | 27.65 | | 44.24 | 0.093 | 1446.7 | | | | | | |
| STD | 150 | -0.35 | | 34.479 | | 27.72 | | 37.79 | 0.103 | 1449.4 | | | | | | |
| STD | 200 | 0.42 | | 34.553 | | 27.74 | | 36.29 | 0.122 | 1453.9 | | | | | | |
| STD | 250 | 0.55 | | 34.584 | | 27.76 | | 34.84 | 0.139 | 1455.4 | | | | | | |
| STD | 300 | 0.56 | | 34.607 | | 27.78 | | 33.15 | 0.156 | 1456.3 | | | | | | |
| STD | 400 | 0.43 | | 34.625 | | 27.80 | | 31.04 | 0.188 | 1457.3 | | | | | | |
| STD | 500 | 0.64 | | 34.666 | | 27.82 | | 29.50 | 0.219 | 1460.0 | | | | | | |
| STD | 600 | 0.81 | | 34.689 | | 27.83 | | 29.06 | 0.248 | 1462.5 | | | | | | |
| STD | 700 | 0.85 | | 34.701 | | 27.84 | | 28.69 | 0.277 | 1464.4 | | | | | | |
| STD | 800 | 0.86 | | 34.704 | | 27.84 | | 28.74 | 0.306 | 1466.1 | | | | | | |
| STD | 900 | 0.79 | | 34.702 | | 27.84 | | 28.46 | 0.334 | 1467.4 | | | | | | |
| STD | 1000 | 0.75 | | 34.706 | | 27.85 | | 28.07 | 0.362 | 1468.9 | | | | | | |
| STD | 1100 | 0.70 | | 34.703 | | 27.85 | | 27.94 | 0.390 | 1470.4 | | | | | | |
| STD | 1200 | 0.64 | | 34.700 | | 27.85 | | 27.75 | 0.418 | 1471.8 | | | | | | |
| STD | 1300 | 0.56 | | 34.694 | | 27.85 | | 27.55 | 0.446 | 1473.1 | | | | | | |
| STD | 1400 | 0.52 | | 34.694 | | 27.85 | | 27.32 | 0.473 | 1474.6 | | | | | | |
| STD | 1500 | 0.46 | | 34.692 | | 27.85 | | 26.97 | 0.501 | 1476.0 | | | | | | |
| STD | 1750 | 0.36 | | 34.689 | | 27.86 | | 26.35 | 0.567 | 1479.8 | | | | | | |
| STD | 2000 | 0.26 | | 34.684 | | 27.86 | | 25.84 | 0.632 | 1483.6 | | | | | | |
| STD | 2250 | 0.15 | | 34.682 | | 27.86 | | 24.84 | 0.696 | 1487.5 | | | | | | |
| STD | 2500 | 0.06 | | 34.682 | | 27.87 | | 23.76 | 0.757 | 1491.3 | | | | | | |
| STD | 2750 | -0.04 | | 34.678 | | 27.87 | | 22.77 | 0.815 | 1495.2 | | | | | | |
| STD | 3000 | -0.10 | | 34.678 | | 27.87 | | 21.95 | 0.871 | 1499.3 | | | | | | |
| STD | 3127 | -0.11 | | 34.675 | | 27.87 | | 22.08 | 0.899 | 1501.5 | | | | | | |
| PING | 11 | | | | | | | | | | | | | | | |
| OBS2 | 4 | 0.92 | | 33.924 | | 27.21 | | | | | 765 | 174 | | 27 | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 47 | 1303 | 1 | 3 | 17 | 3 | 71 | 4.1 | 5451.9S | 8240.6E | 507 | 4566 | 1.2 | | 315 | 313 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CCM1 | 498 | 1.64 | | 34.703 | | 27.78 | | | | | 454 | 222 | | 82 | | |
| COM1 | 1675 | 0.82 | | 34.718 | | 27.85 | | | | | 490 | 218 | | 107 | | |
| COM1 | 2866 | 0.16 | | 34.684 | | 27.86 | | | | | 528 | 224 | | 120 | | |
| CCM1 | 4585 | -0.16 | | 34.680 | | 27.88 | | | | | 567 | 225 | | 121 | | |
| STD | 0 | 1.93 | | 34.001 | | 27.20 | | 87.74 | 0.000 | 1456.6 | | | | | | |
| STD | 10 | 1.93 | | 33.997 | | 27.20 | | 88.01 | 0.009 | 1456.7 | | | | | | |
| STD | 20 | 1.92 | | 34.002 | | 27.20 | | 87.67 | 0.018 | 1456.9 | | | | | | |
| STD | 30 | 1.92 | | 34.003 | | 27.20 | | 87.61 | 0.026 | 1457.0 | | | | | | |
| STD | 50 | 1.93 | | 34.006 | | 27.20 | | 87.50 | 0.044 | 1457.4 | | | | | | |
| STD | 75 | 1.93 | | 34.005 | | 27.20 | | 87.67 | 0.066 | 1457.8 | | | | | | |
| STD | 100 | 0.44 | | 34.050 | | 27.34 | | 74.58 | 0.086 | 1451.6 | | | | | | |
| STD | 125 | -0.06 | | 34.233 | | 27.51 | | 58.04 | 0.103 | 1450.0 | | | | | | |
| STD | 150 | 0.31 | | 34.357 | | 27.59 | | 50.56 | 0.116 | 1452.3 | | | | | | |
| STD | 200 | 1.56 | | 34.582 | | 27.69 | | 41.79 | 0.139 | 1459.0 | | | | | | |
| STD | 250 | 1.56 | | 34.600 | | 27.71 | | 40.61 | 0.160 | 1459.9 | | | | | | |
| STD | 300 | 1.63 | | 34.634 | | 27.73 | | 38.77 | 0.180 | 1461.1 | | | | | | |
| STD | 400 | 1.63 | | 34.670 | | 27.76 | | 36.37 | 0.217 | 1462.8 | | | | | | |
| STD | 500 | 1.62 | | 34.706 | | 27.79 | | 34.02 | 0.252 | 1464.5 | | | | | | |
| STD | 600 | 1.62 | | 34.716 | | 27.80 | | 33.56 | 0.286 | 1466.1 | | | | | | |
| STD | 700 | 1.57 | | 34.723 | | 27.80 | | 33.01 | 0.320 | 1467.6 | | | | | | |
| STD | 800 | 1.51 | | 34.732 | | 27.82 | | 32.21 | 0.352 | 1469.0 | | | | | | |
| STD | 900 | 1.44 | | 34.738 | | 27.83 | | 31.40 | 0.384 | 1470.4 | | | | | | |
| STD | 1000 | 1.38 | | 34.735 | | 27.83 | | 31.35 | 0.415 | 1471.8 | | | | | | |
| STD | 1100 | 1.30 | | 34.735 | | 27.83 | | 30.92 | 0.446 | 1473.1 | | | | | | |
| STD | 1200 | 1.22 | | 34.730 | | 27.84 | | 30.82 | 0.477 | 1474.4 | | | | | | |
| STD | 1300 | 1.14 | | 34.726 | | 27.84 | | 30.60 | 0.508 | 1475.7 | | | | | | |
| STD | 1400 | 1.04 | | 34.722 | | 27.84 | | 30.21 | 0.538 | 1477.0 | | | | | | |
| STD | 1500 | 0.95 | | 34.720 | | 27.85 | | 29.62 | 0.568 | 1478.2 | | | | | | |
| STD | 1750 | 0.78 | | 34.710 | | 27.85 | | 29.08 | 0.642 | 1481.7 | | | | | | |
| STD | 2000 | 0.63 | | 34.700 | | 27.85 | | 28.53 | 0.714 | 1485.3 | | | | | | |
| STD | 2250 | 0.46 | | 34.696 | | 27.86 | | 27.16 | 0.783 | 1488.8 | | | | | | |
| STD | 2500 | 0.32 | | 34.690 | | 27.86 | | 26.20 | 0.850 | 1492.5 | | | | | | |
| STD | 2750 | 0.20 | | 34.685 | | 27.86 | | 25.12 | 0.914 | 1496.3 | | | | | | |
| STD | 3000 | 0.10 | | 34.680 | | 27.86 | | 24.26 | 0.976 | 1500.2 | | | | | | |
| STD | 3250 | 0.03 | | 34.676 | | 27.86 | | 23.60 | 1.036 | 1504.2 | | | | | | |
| STD | 3500 | -0.03 | | 34.675 | | 27.87 | | 22.78 | 1.094 | 1508.4 | | | | | | |
| STD | 3750 | -0.08 | | 34.676 | | 27.87 | | 21.89 | 1.150 | 1512.6 | | | | | | |
| STD | 4000 | -0.11 | | 34.678 | | 27.87 | | 21.27 | 1.204 | 1516.9 | | | | | | |
| STD | 4250 | -0.14 | | 34.680 | | 27.88 | | 20.47 | 1.256 | 1521.2 | | | | | | |
| STD | 4500 | -0.15 | | 34.678 | | 27.87 | | 20.27 | 1.307 | 1525.6 | | | | | | |
| STD | 4596 | -0.15 | | 34.677 | | 27.87 | | 20.33 | 1.326 | 1527.4 | | | | | | |
| PING | 0 | | | | | | | | | | | | | | | |

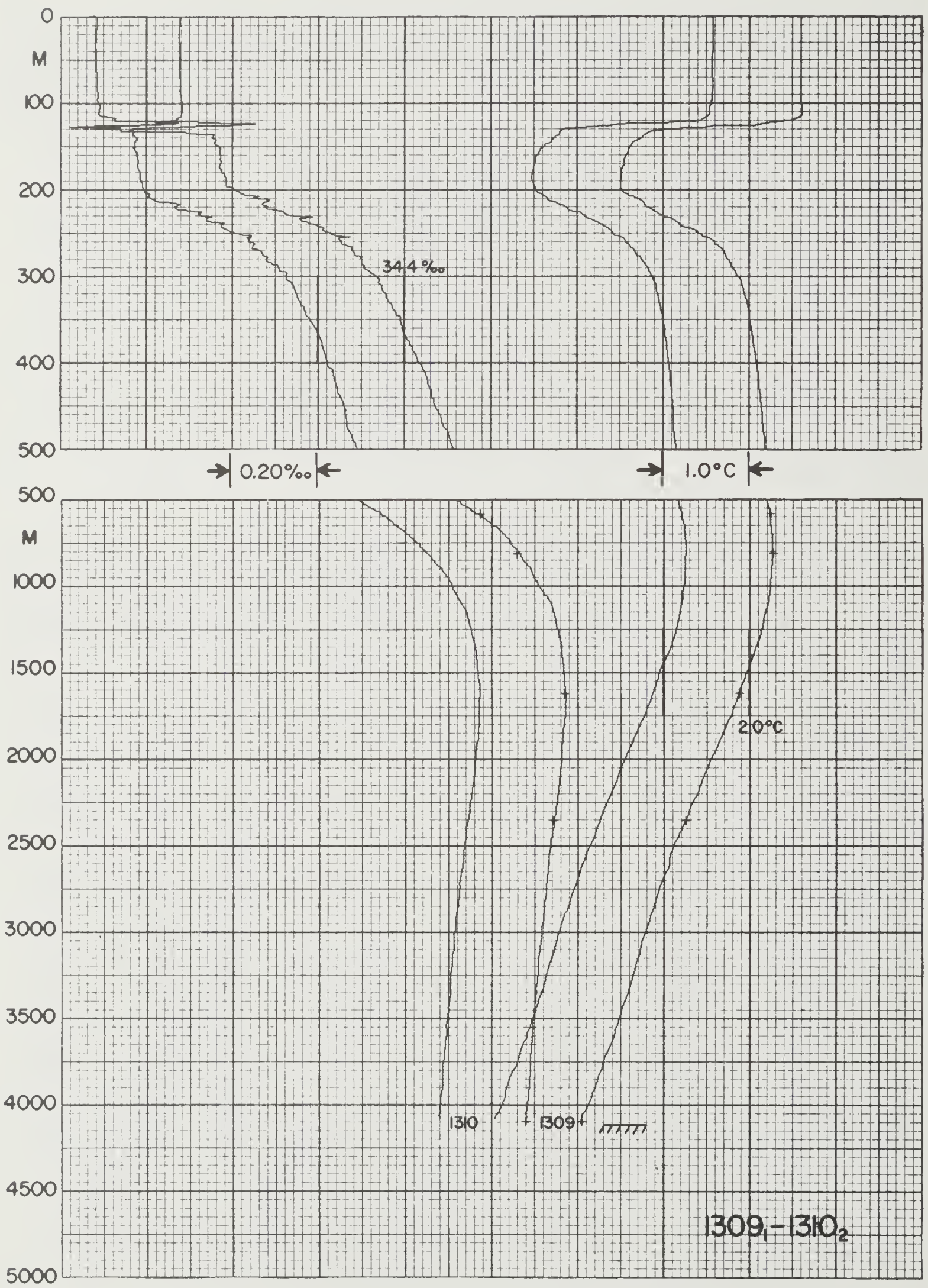


| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|-----|
| EL 47 | 1305 | 0 | | 17 | 3 | 71 | 9.7 | 5454.8S | 8244.9E | 507 | 4566 | 1.7 | | 315 | 313 | 20 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² -ml/l | PHOS 10 ² -µgat/l | NITR 10-µgat/l | SILIC µgat/l | | | |
| OBS | 4 | 1.93 | | 34.005 | | 27.20 | | | 1456.7 | 763 | 174 | | 15 | | | |
| OBS | 47 | 1.87 | | 34.004 | | 27.21 | | | 1457.1 | 765 | 168 | | 14 | | | |
| OBS | 97 | 1.79 | | 34.043 | | 27.24 | | | 1457.6 | 753 | 176 | | 16 | | | |
| OBS | 120 | 0.85 | | 34.132 | | 27.38 | | | 1453.9 | 723 | 201 | | 33 | | | |
| OBS | 143 | 0.24 | | 34.213 | | 27.48 | | | 1451.7 | 654 | 214 | | 46 | | | |
| OBS | 166 | -0.06 | | 34.291 | | 27.56 | | | 1450.8 | 655 | 223 | | 57 | | | |
| OBS | 189 | 0.17 | | 34.400 | | 27.63 | | | 1452.4 | 590 | 228 | | 67 | | | |
| OBS | 212 | 0.57 | | 34.490 | | 27.68 | | | 1454.7 | 529 | 228 | | 72 | | | |
| OBS | 260 | 1.13 | | 34.584 | | 27.72 | | | 1458.1 | 473 | 227 | | 77 | | | |
| OBS | 525 | 1.71 | | 34.717 | | 27.79 | | | 1465.3 | 447 | 211 | | 83 | | | |
| OBS | 870 | 1.57 | | 34.738 | | 27.82 | | | 1470.4 | 455 | | | 88 | | | |
| OBS | 1266 | 1.14 | | 34.736 | | 27.85 | | | 1475.2 | 482 | 215 | | 99 | | | |
| OBS | 1662 | 0.85 | | 34.717 | | 27.85 | | | 1480.5 | 481 | 218 | | 106 | | | |
| OBS | 2060 | 0.57 | | 34.701 | | 27.85 | | | 1486.1 | 491 | 223 | | 116 | | | |
| OBS | 2460 | 0.34 | | 34.689 | | 27.86 | | | 1491.9 | 504 | 223 | | 118 | | | |
| OBS | 2860 | 0.15 | | 34.685 | | 27.86 | | | 1498.0 | 518 | 220 | | 120 | | | |
| OBS | 3260 | 0.04 | | 34.679 | | 27.87 | | | 1504.4 | 528 | 224 | | 119 | | | |
| OBS | 3560 | -0.03 | | 34.681 | | 27.87 | | | 1509.4 | 529 | 222 | | 118 | | | |
| OBS | 4060 | -0.11 | | 34.679 | | 27.87 | | | 1517.9 | | 223 | | 117 | | | |
| OBS | 4470 | -0.16 | | 34.679 | | 27.88 | | | 1525.0 | 547 | 222 | | 116 | | | |
| ISL | 0 | 1.93 | | 34.005 | | 27.20 | 87.43 | 0.000 | 1456.6 | | | | | | | |
| ISL | 10 | 1.92 | | 34.002 | | 27.20 | 87.58 | 0.009 | 1456.7 | | | | | | | |
| ISL | 20 | 1.91 | | 34.000 | | 27.20 | 87.74 | 0.018 | 1456.8 | | | | | | | |
| ISL | 30 | 1.90 | | 33.999 | | 27.20 | 87.68 | 0.026 | 1456.9 | | | | | | | |
| ISL | 50 | 1.87 | | 34.005 | | 27.21 | 87.11 | 0.044 | 1457.1 | | | | | | | |
| ISL | 75 | 1.83 | | 34.012 | | 27.22 | 86.38 | 0.065 | 1457.4 | | | | | | | |
| ISL | 100 | 1.70 | | 34.055 | | 27.26 | 82.28 | 0.087 | 1457.3 | | | | | | | |
| ISL | 125 | 0.69 | | 34.150 | | 27.40 | 68.46 | 0.105 | 1453.3 | | | | | | | |
| ISL | 150 | 0.09 | | 34.237 | | 27.51 | 58.47 | 0.121 | 1451.1 | | | | | | | |
| ISL | 200 | 0.36 | | 34.446 | | 27.66 | 44.11 | 0.147 | 1453.5 | | | | | | | |
| ISL | 250 | 1.04 | | 34.573 | | 27.72 | 38.86 | 0.168 | 1457.5 | | | | | | | |
| ISL | 300 | 1.44 | | 34.638 | | 27.75 | 36.95 | 0.187 | 1460.2 | | | | | | | |
| ISL | 400 | 1.63 | | 34.687 | | 27.77 | 35.11 | 0.223 | 1462.8 | | | | | | | |
| ISL | 500 | 1.69 | | 34.710 | | 27.79 | 34.25 | 0.257 | 1464.8 | | | | | | | |
| ISL | 600 | 1.76 | | 34.732 | | 27.80 | 33.61 | 0.291 | 1466.8 | | | | | | | |
| ISL | 700 | 1.71 | | 34.734 | | 27.80 | 33.40 | 0.325 | 1468.2 | | | | | | | |
| ISL | 800 | 1.62 | | 34.736 | | 27.81 | 32.88 | 0.358 | 1469.5 | | | | | | | |
| ISL | 900 | 1.55 | | 34.739 | | 27.82 | 32.34 | 0.390 | 1470.8 | | | | | | | |
| ISL | 1000 | 1.43 | | 34.740 | | 27.83 | 31.52 | 0.422 | 1472.0 | | | | | | | |
| ISL | 1100 | 1.30 | | 34.740 | | 27.84 | 30.64 | 0.453 | 1473.1 | | | | | | | |
| ISL | 1200 | 1.20 | | 34.738 | | 27.84 | 30.09 | 0.484 | 1474.3 | | | | | | | |
| ISL | 1300 | 1.11 | | 34.735 | | 27.85 | 29.70 | 0.514 | 1475.6 | | | | | | | |
| ISL | 1400 | 1.04 | | 34.729 | | 27.85 | 29.60 | 0.543 | 1477.0 | | | | | | | |
| ISL | 1500 | 0.97 | | 34.725 | | 27.85 | 29.47 | 0.573 | 1478.3 | | | | | | | |
| ISL | 1750 | 0.79 | | 34.713 | | 27.85 | 28.92 | 0.646 | 1481.8 | | | | | | | |
| ISL | 2000 | 0.61 | | 34.703 | | 27.85 | 28.11 | 0.717 | 1485.2 | | | | | | | |
| ISL | 2250 | 0.45 | | 34.694 | | 27.86 | 27.26 | 0.786 | 1488.8 | | | | | | | |
| ISL | 2500 | 0.32 | | 34.688 | | 27.86 | 26.26 | 0.853 | 1492.5 | | | | | | | |
| ISL | 2750 | 0.20 | | 34.686 | | 27.86 | 25.03 | 0.917 | 1496.2 | | | | | | | |
| ISL | 3000 | 0.10 | | 34.683 | | 27.87 | 24.13 | 0.979 | 1500.2 | | | | | | | |
| ISL | 3250 | 0.04 | | 34.679 | | 27.87 | 23.53 | 1.038 | 1504.3 | | | | | | | |
| ISL | 3500 | -0.02 | | 34.681 | | 27.87 | 22.55 | 1.096 | 1508.4 | | | | | | | |
| ISL | 3750 | -0.07 | | 34.680 | | 27.87 | 21.83 | 1.152 | 1512.6 | | | | | | | |
| ISL | 4000 | -0.10 | | 34.679 | | 27.87 | 21.22 | 1.205 | 1516.9 | | | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 47 | 1306 | 1 | 3 | 17 | 3 | 71 | 8.8 | 5454.5S | 8245.8E | 507 | 4566 | 1.6 | | 315 | 313 | |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| COM1 | 307 | 1.68 | 34.6280 | 27.720 | | | | 449 | 222 | | 80 | | | | | |
| COM1 | 443 | 1.69 | 34.707 | 27.78 | | | | 452 | 217 | | 83 | | | | | |
| STD | 0 | 1.88 | 33.995 | 27.20 | 87.83 | 0.000 | 1456.4 | | | | | | | | | |
| STD | 10 | 1.85 | 33.991 | 27.20 | 87.98 | 0.009 | 1456.4 | | | | | | | | | |
| STD | 20 | 1.86 | 33.997 | 27.20 | 87.58 | 0.018 | 1456.6 | | | | | | | | | |
| STD | 30 | 1.85 | 34.001 | 27.21 | 87.27 | 0.026 | 1456.7 | | | | | | | | | |
| STD | 50 | 1.82 | 34.000 | 27.21 | 87.20 | 0.044 | 1456.9 | | | | | | | | | |
| STD | 75 | 1.83 | 33.999 | 27.21 | 87.39 | 0.066 | 1457.4 | | | | | | | | | |
| STD | 100 | 1.86 | 34.031 | 27.23 | 85.33 | 0.087 | 1458.0 | | | | | | | | | |
| STD | 125 | 0.27 | 34.160 | 27.44 | 65.33 | 0.106 | 1451.4 | | | | | | | | | |
| STD | 150 | -0.07 | 34.282 | 27.55 | 54.18 | 0.121 | 1450.4 | | | | | | | | | |
| STD | 200 | 0.29 | 34.447 | 27.67 | 43.62 | 0.145 | 1453.2 | | | | | | | | | |
| STD | 250 | 1.43 | 34.603 | 27.72 | 39.34 | 0.166 | 1459.3 | | | | | | | | | |
| STD | 300 | 1.66 | 34.661 | 27.75 | 36.94 | 0.185 | 1461.3 | | | | | | | | | |
| STD | 400 | 1.73 | 34.694 | 27.77 | 35.41 | 0.221 | 1463.3 | | | | | | | | | |
| STD | 500 | 1.70 | 34.716 | 27.79 | 33.90 | 0.256 | 1464.8 | | | | | | | | | |
| STD | 570 | 1.68 | 34.731 | 27.80 | 32.88 | 0.280 | 1465.9 | | | | | | | | | |
| COM2 | 77 | 1.87 | 34.004 | 27.21 | | | | 798 | 174 | | 14 | | | | | |

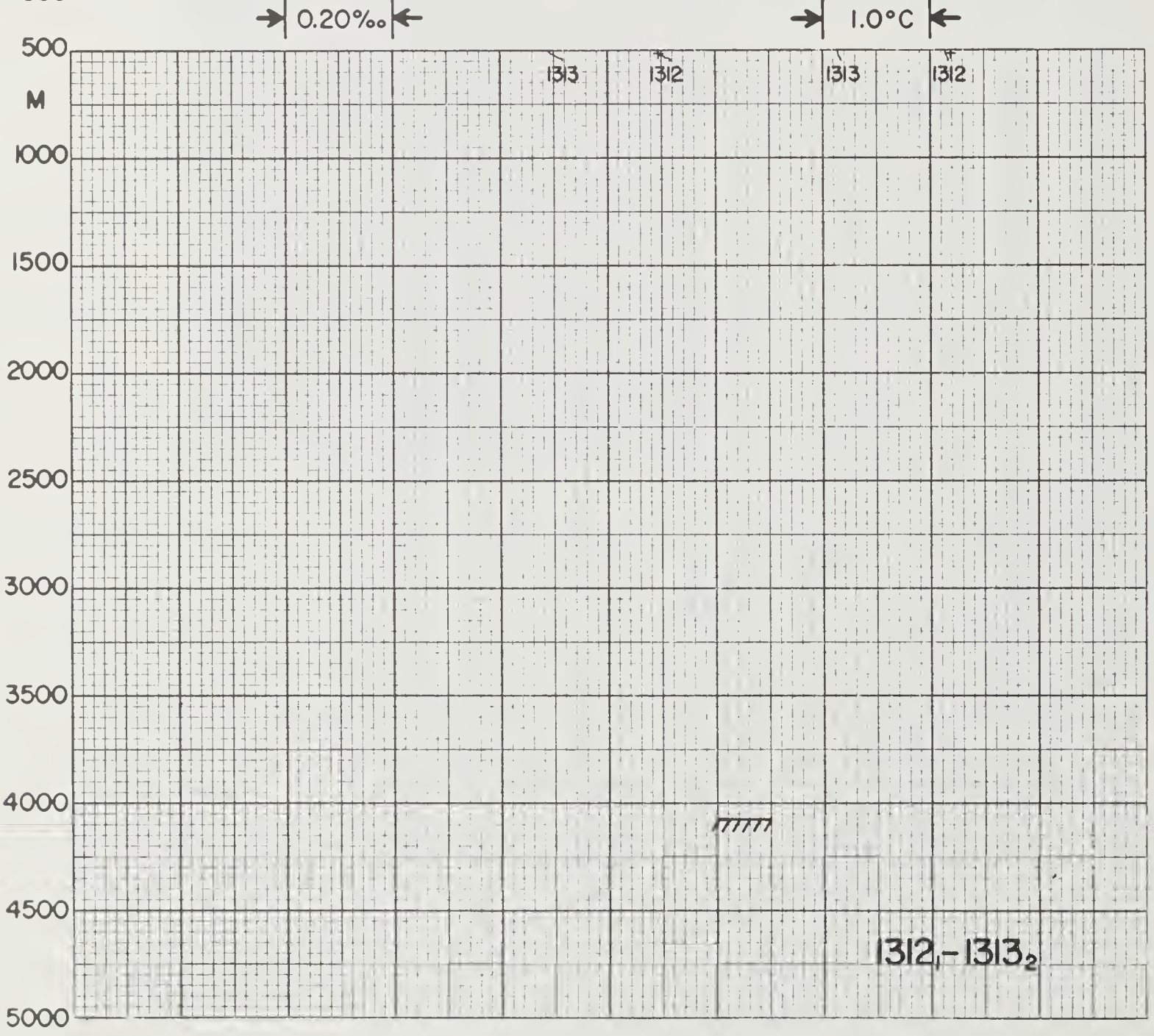
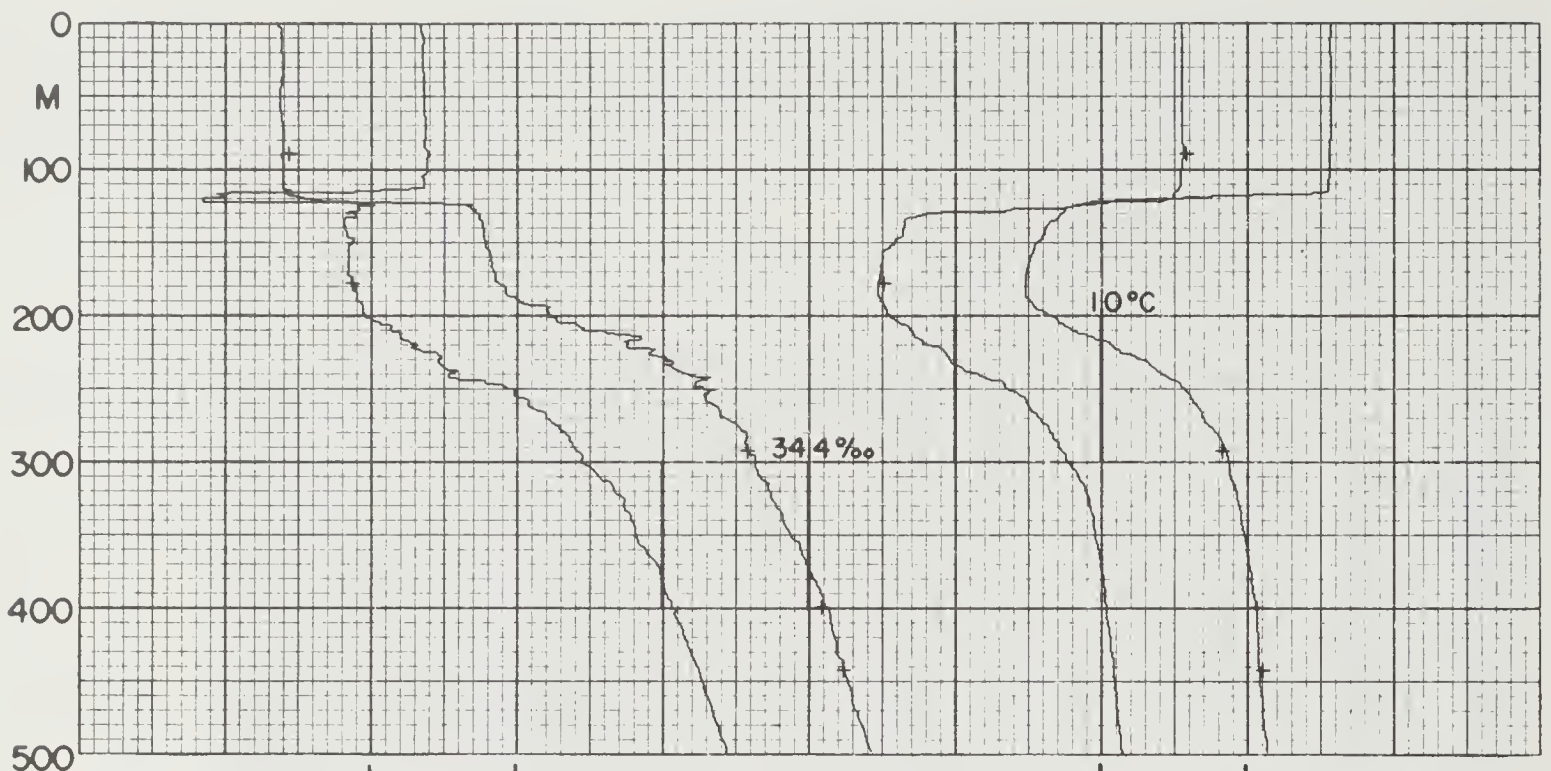
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 47 | 1308 | 0 | | 17 | 3 | 71 | 18.9 | 5456.0S | 8238.7E | 507 | 4566 | 1.2 | | 286 | 284 | 26 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 2 | 2.20 | 33.979 | 27.16 | | | 1457.8 | 766 | 173 | | 15 | | | | | |
| OBS | 130 | | 34.191 | | | | | 705 | 210 | | 46 | | | | | |
| OBS | 189 | | 34.408 | | | | | 584 | 228 | | 69 | | | | | |
| OBS | 248 | | 34.548 | | | | | 491 | 229 | | 76 | | | | | |
| OBS | 347 | | 34.656 | | | | | 447 | 226 | | 82 | | | | | |
| OBS | 352 | 1.56 | 34.654 | 27.75 | | | 1461.7 | 449 | 229 | | 79 | | | | | |
| OBS | 445 | | 34.686 | | | | | 447 | 222 | | 82 | | | | | |
| OBS | 543 | | 34.718 | | | | | 455 | 218 | | 83 | | | | | |
| OBS | 739 | | 34.732 | | | | | 462 | 213 | | 85 | | | | | |
| OBS | 754 | 1.59 | 34.733 | 27.81 | | | 1468.6 | 457 | 213 | | 86 | | | | | |
| OBS | 985 | | 34.735 | | | | | 471 | 219 | | 90 | | | | | |
| OBS | 1284 | | 34.727 | | | | | 481 | 212 | | 97 | | | | | |
| OBS | 1719 | 0.83 | 34.717 | 27.85 | | | 1481.4 | 489 | 221 | | 107 | | | | | |
| OBS | 1729 | | 34.717 | | | | | 499 | 218 | | 108 | | | | | |
| OBS | 2229 | | 34.700 | | | | | 523Q | 223 | | 114 | | | | | |
| OBS | 2729 | | 34.686 | | | | | 522 | 225 | | 118 | | | | | |
| OBS | 2734 | 0.29 | 34.687 | 27.86 | | | 1496.4 | 506 | 222 | | 117 | | | | | |
| OBS | 3229 | | 34.680 | | | | | 563Q | 224 | | 122 | | | | | |
| OBS | 3729 | | 34.680 | | | | | 589Q | 223 | | 121 | | | | | |
| OBS | 4029 | | 34.677 | | | | | 593Q | 223 | | 121 | | | | | |
| OBS | 4034 | -0.09 | 34.678 | 27.87 | | | 1517.5 | 540 | 221 | | 118 | | | | | |
| OBS | 4229 | | 34.679 | | | | | 610Q | 222 | | 118 | | | | | |
| OBS | 4379 | | 34.676 | | | | | 561 | 222 | | 121 | | | | | |
| OBS | 4479 | | 34.679 | | | | | 606Q | 229 | | 115 | | | | | |
| OBS | 4529 | | 34.680 | | | | | 562 | 223 | | 119 | | | | | |
| OBS | 4534 | -0.15 | 34.677 | 27.87 | | | 1526.2 | 547 | 221 | | 119 | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 47 | 1309 | 1 | 3 | 20 | 3 | 71 | 21.9 | 5425.9S | 6940.6E | 509 | 4078 | 3.3 | | 296 | 333 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| CBS1 | 582 | 2.24 | | 34.573 | | 27.63 | | | | | 413 | 238 | | 72 | | |
| COM1 | 810 | 2.27 | | 34.660 | | 27.70 | | | | | 411 | 228 | | 76 | | |
| COM1 | 1615 | 1.88 | | 34.770 | | 27.82 | | | | | 478 | 199 | | 82 | | |
| COM1 | 2348 | 1.26 | | 34.745 | | 27.84 | | | | | 492 | 209 | | 99 | | |
| COM1 | 4095 | 0.06 | | 34.682 | | 27.87 | | | | | 522 | 229 | | | | |
| | | | | | | | | | | | | | | | | |
| STD | 0 | 2.60 | | 33.877 | | 27.05 | 102.19 | 0.000 | | 1459.4 | | | | | | |
| STD | 10 | 2.59 | | 33.875 | | 27.05 | 102.31 | 0.010 | | 1459.5 | | | | | | |
| STD | 20 | 2.59 | | 33.874 | | 27.05 | 102.44 | 0.020 | | 1459.6 | | | | | | |
| STD | 30 | 2.59 | | 33.875 | | 27.05 | 102.44 | 0.031 | | 1459.8 | | | | | | |
| STD | 50 | 2.59 | | 33.876 | | 27.05 | 102.50 | 0.051 | | 1460.1 | | | | | | |
| STD | 75 | 2.59 | | 33.878 | | 27.05 | 102.38 | 0.077 | | 1460.5 | | | | | | |
| STD | 100 | 2.59 | | 33.882 | | 27.05 | 102.29 | 0.102 | | 1461.0 | | | | | | |
| STD | 125 | 2.11 | | 33.832 | | 27.05 | 102.27 | 0.128 | | 1459.2 | | | | | | |
| STD | 150 | 0.61 | | 33.968 | | 27.26 | 81.85 | 0.151 | | 1453.1 | | | | | | |
| STD | 200 | 0.52 | | 34.005 | | 27.30 | 78.43 | 0.191 | | 1453.6 | | | | | | |
| STD | 250 | 1.42 | | 34.231 | | 27.42 | 67.45 | 0.228 | | 1458.8 | | | | | | |
| STD | 300 | 1.87 | | 34.332 | | 27.47 | 63.42 | 0.260 | | 1461.7 | | | | | | |
| STD | 400 | 2.08 | | 34.435 | | 27.53 | 57.84 | 0.321 | | 1464.5 | | | | | | |
| STD | 500 | 2.19 | | 34.514 | | 27.59 | 53.27 | 0.376 | | 1466.7 | | | | | | |
| STD | 600 | 2.24 | | 34.579 | | 27.64 | 49.38 | 0.428 | | 1468.7 | | | | | | |
| STD | 700 | 2.26 | | 34.631 | | 27.68 | 46.15 | 0.476 | | 1470.5 | | | | | | |
| STD | 800 | 2.26 | | 34.663 | | 27.70 | 44.31 | 0.521 | | 1472.2 | | | | | | |
| STD | 900 | 2.25 | | 34.692 | | 27.73 | 42.55 | 0.564 | | 1473.9 | | | | | | |
| STD | 1000 | 2.24 | | 34.713 | | 27.74 | 41.43 | 0.606 | | 1475.5 | | | | | | |
| STD | 1100 | 2.21 | | 34.740 | | 27.77 | 39.57 | 0.647 | | 1477.1 | | | | | | |
| STD | 1200 | 2.16 | | 34.751 | | 27.78 | 38.73 | 0.686 | | 1478.6 | | | | | | |
| STD | 1300 | 2.11 | | 34.760 | | 27.79 | 37.99 | 0.724 | | 1480.0 | | | | | | |
| STD | 1400 | 2.03 | | 34.765 | | 27.80 | 37.29 | 0.762 | | 1481.4 | | | | | | |
| STD | 1500 | 1.96 | | 34.769 | | 27.81 | 36.67 | 0.799 | | 1482.8 | | | | | | |
| STD | 1750 | 1.78 | | 34.771 | | 27.83 | 35.43 | 0.889 | | 1486.2 | | | | | | |
| STD | 2000 | 1.54 | | 34.763 | | 27.84 | 34.22 | 0.976 | | 1489.5 | | | | | | |
| STD | 2250 | 1.34 | | 34.753 | | 27.85 | 33.24 | 1.060 | | 1492.8 | | | | | | |
| STD | 2500 | 1.12 | | 34.738 | | 27.85 | 32.23 | 1.142 | | 1496.1 | | | | | | |
| STD | 2750 | 0.95 | | 34.728 | | 27.85 | 31.32 | 1.222 | | 1499.7 | | | | | | |
| STD | 3000 | 0.79 | | 34.718 | | 27.85 | 30.40 | 1.299 | | 1503.3 | | | | | | |
| STD | 3250 | 0.65 | | 34.709 | | 27.86 | 29.41 | 1.373 | | 1507.0 | | | | | | |
| STD | 3500 | 0.49 | | 34.698 | | 27.86 | 28.25 | 1.446 | | 1510.7 | | | | | | |
| STD | 3750 | 0.31 | | 34.692 | | 27.86 | 26.24 | 1.514 | | 1514.3 | | | | | | |
| STD | 4000 | 0.13 | | 34.685 | | 27.87 | 24.14 | 1.577 | | 1517.9 | | | | | | |
| STD | 4106 | 0.05 | | 34.682 | | 27.87 | 23.29 | 1.602 | | 1519.5 | | | | | | |
| PING | 16 | | | | | | | | | | | | | | | |

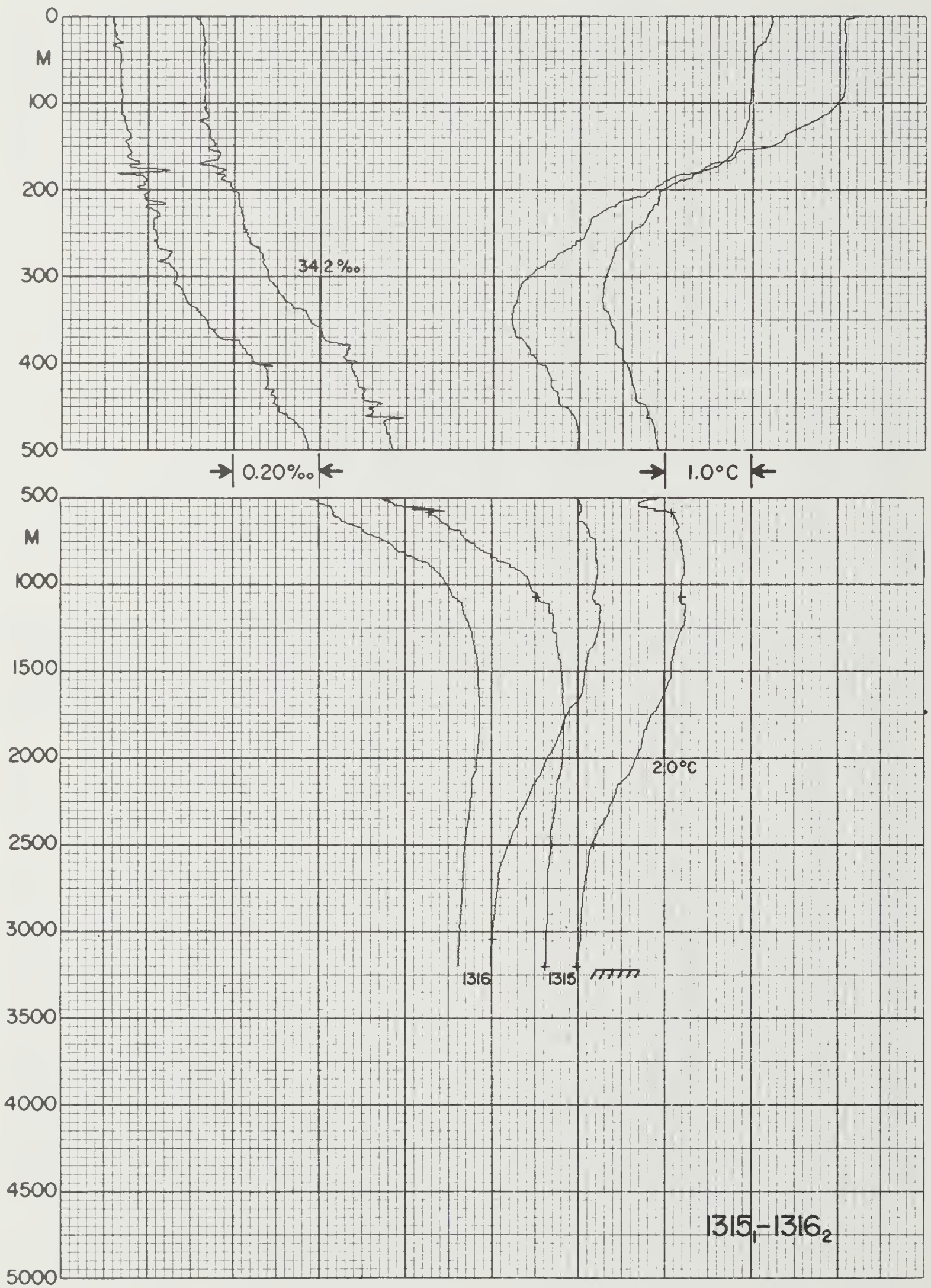


| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 47 | 1311 | 0 | | 21 | 3 | 71 | 2.7 | 5425.4S | 6942.1E | 509 | 4078 | 2.5 | | 257 | 294 | 19 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 3 | 2.61 | 33.886 | 27.05 | | | 1459.5 | 771 | 169 | | 8 | | | | | |
| OBS | 36 | 2.59 | 33.890 | 27.06 | | | 1459.9 | 768 | 169 | | 7 | | | | | |
| OBS | 83 | 2.59 | 33.885 | 27.05 | | | 1460.7 | 757 | 170 | | 7 | | | | | |
| OBS | 107 | 2.58 | 33.886 | 27.06 | | | 1461.0 | 769 | 172 | | 8 | | | | | |
| OBS | 130 | 0.74 | 33.960 | 27.25 | | | 1453.4 | 802 | 198 | | 23 | | | | | |
| OBS | 154 | 0.57 | 33.970 | 27.27 | | | 1453.0 | 798 | 198 | | 25 | | | | | |
| OBS | 202 | 0.68 | 34.017 | 27.30 | | | 1454.4 | 749 | 205 | | 29 | | | | | |
| OBS | 251 | 1.53 | 34.233 | 27.42 | | | 1459.3 | 568 | 233 | | 47 | | | | | |
| OBS | 504 | 2.19 | 34.511 | 27.59 | | | 1466.7 | 411 | 191 | | 65 | | | | | |
| OBS | 533 | 2.22 | 34.503 | 27.58 | | | 1467.3 | 419 | 239 | | 68 | | | | | |
| OBS | 878 | 2.26 | 34.676 | 27.71 | | | 1473.5 | 411C | 224 | | 74 | | | | | |
| OBS | 1258 | 2.17 | 34.749 | 27.78 | | | 1479.5 | 450 | 210 | | 75 | | | | | |
| OBS | 1642 | 1.89 | 34.771 | 27.82 | | | 1484.8 | 471 | 201 | | 86 | | | | | |
| OBS | 2026 | 1.56 | 34.758 | 27.83 | | | 1489.9 | 483 | 204 | | 90 | | | | | |
| OBS | 2414 | 1.22 | 34.746 | 27.85 | | | 1495.0 | 489 | 210 | | 99 | | | | | |
| OBS | 2755 | 0.94 | 34.725 | 27.85 | | | 1499.6 | 486 | 225 | | 108 | | | | | |
| OBS | 3195 | 0.68 | 34.708 | 27.85 | | | 1506.0 | 491 | 214 | | 117 | | | | | |
| OBS | 3586 | 0.43 | 34.697 | 27.86 | | | 1511.8 | 505 | 224 | | 126 | | | | | |
| OBS | 3978 | 0.16 | 34.685 | 27.86 | | | 1517.5 | 508 | 227 | | 147 | | | | | |
| ISL | 0 | 2.61 | 33.886 | 27.05 | 101.61 | 0.000 | 1459.4 | | | | | | | | | |
| ISL | 10 | 2.60 | 33.887 | 27.06 | 101.53 | 0.010 | 1459.6 | | | | | | | | | |
| ISL | 20 | 2.60 | 33.889 | 27.06 | 101.42 | 0.020 | 1459.7 | | | | | | | | | |
| ISL | 30 | 2.59 | 33.890 | 27.06 | 101.33 | 0.030 | 1459.8 | | | | | | | | | |
| ISL | 50 | 2.59 | 33.889 | 27.06 | 101.46 | 0.051 | 1460.1 | | | | | | | | | |
| ISL | 75 | 2.59 | 33.885 | 27.05 | 101.88 | 0.076 | 1460.6 | | | | | | | | | |
| ISL | 100 | 2.59 | 33.884 | 27.05 | 102.04 | 0.102 | 1460.9 | | | | | | | | | |
| ISL | 125 | 1.01 | 33.949 | 27.22 | 85.72 | 0.125 | 1454.5 | | | | | | | | | |
| ISL | 150 | 0.58 | 33.968 | 27.26 | 81.61 | 0.146 | 1453.0 | | | | | | | | | |
| ISL | 200 | 0.66 | 34.012 | 27.30 | 78.79 | 0.186 | 1454.2 | | | | | | | | | |
| ISL | 250 | 1.51 | 34.229 | 27.41 | 68.27 | 0.223 | 1459.2 | | | | | | | | | |
| ISL | 300 | 1.85 | 34.383 | 27.51 | 59.41 | 0.255 | 1461.7 | | | | | | | | | |
| ISL | 400 | 2.01 | 34.482 | 27.58 | 53.67 | 0.311 | 1464.2 | | | | | | | | | |
| ISL | 500 | 2.19 | 34.513 | 27.59 | 53.37 | 0.365 | 1466.7 | | | | | | | | | |
| ISL | 600 | 2.26 | 34.529 | 27.60 | 53.32 | 0.418 | 1468.7 | | | | | | | | | |
| ISL | 700 | 2.28 | 34.599 | 27.65 | 48.74 | 0.469 | 1470.5 | | | | | | | | | |
| ISL | 800 | 2.27 | 34.644 | 27.69 | 45.74 | 0.516 | 1472.2 | | | | | | | | | |
| ISL | 900 | 2.26 | 34.683 | 27.72 | 43.30 | 0.561 | 1473.8 | | | | | | | | | |
| ISL | 1000 | 2.25 | 34.711 | 27.74 | 41.66 | 0.603 | 1475.5 | | | | | | | | | |
| ISL | 1100 | 2.23 | 34.731 | 27.76 | 40.41 | 0.645 | 1477.1 | | | | | | | | | |
| ISL | 1200 | 2.19 | 34.742 | 27.77 | 39.77 | 0.685 | 1478.7 | | | | | | | | | |
| ISL | 1300 | 2.15 | 34.754 | 27.78 | 38.90 | 0.724 | 1480.1 | | | | | | | | | |
| ISL | 1400 | 2.09 | 34.762 | 27.80 | 38.03 | 0.762 | 1481.6 | | | | | | | | | |
| ISL | 1500 | 2.00 | 34.768 | 27.81 | 37.16 | 0.800 | 1482.9 | | | | | | | | | |
| ISL | 1750 | 1.80 | 34.767 | 27.82 | 35.97 | 0.891 | 1486.2 | | | | | | | | | |
| ISL | 2000 | 1.58 | 34.759 | 27.83 | 34.98 | 0.980 | 1489.5 | | | | | | | | | |
| ISL | 2250 | 1.36 | 34.751 | 27.84 | 33.70 | 1.066 | 1492.8 | | | | | | | | | |
| ISL | 2500 | 1.15 | 34.741 | 27.85 | 32.35 | 1.148 | 1496.1 | | | | | | | | | |
| ISL | 2750 | 0.94 | 34.725 | 27.85 | 31.45 | 1.228 | 1499.5 | | | | | | | | | |
| ISL | 3000 | 0.80 | 34.714 | 27.85 | 30.73 | 1.306 | 1503.2 | | | | | | | | | |
| ISL | 3250 | 0.65 | 34.706 | 27.85 | 29.58 | 1.381 | 1506.9 | | | | | | | | | |
| ISL | 3500 | 0.49 | 34.699 | 27.86 | 28.07 | 1.453 | 1510.5 | | | | | | | | | |
| ISL | 3750 | 0.32 | 34.692 | 27.86 | 26.38 | 1.521 | 1514.2 | | | | | | | | | |

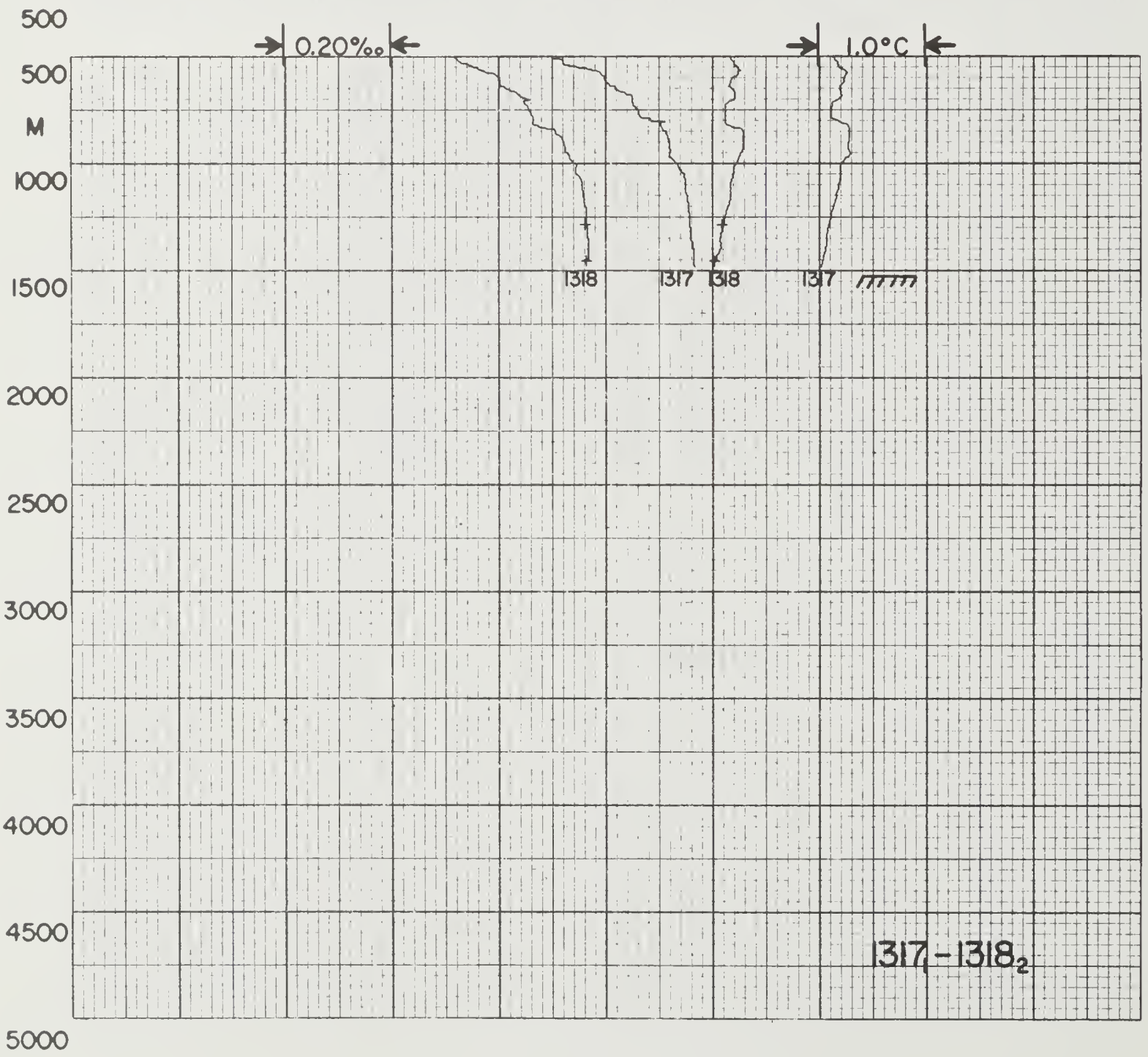
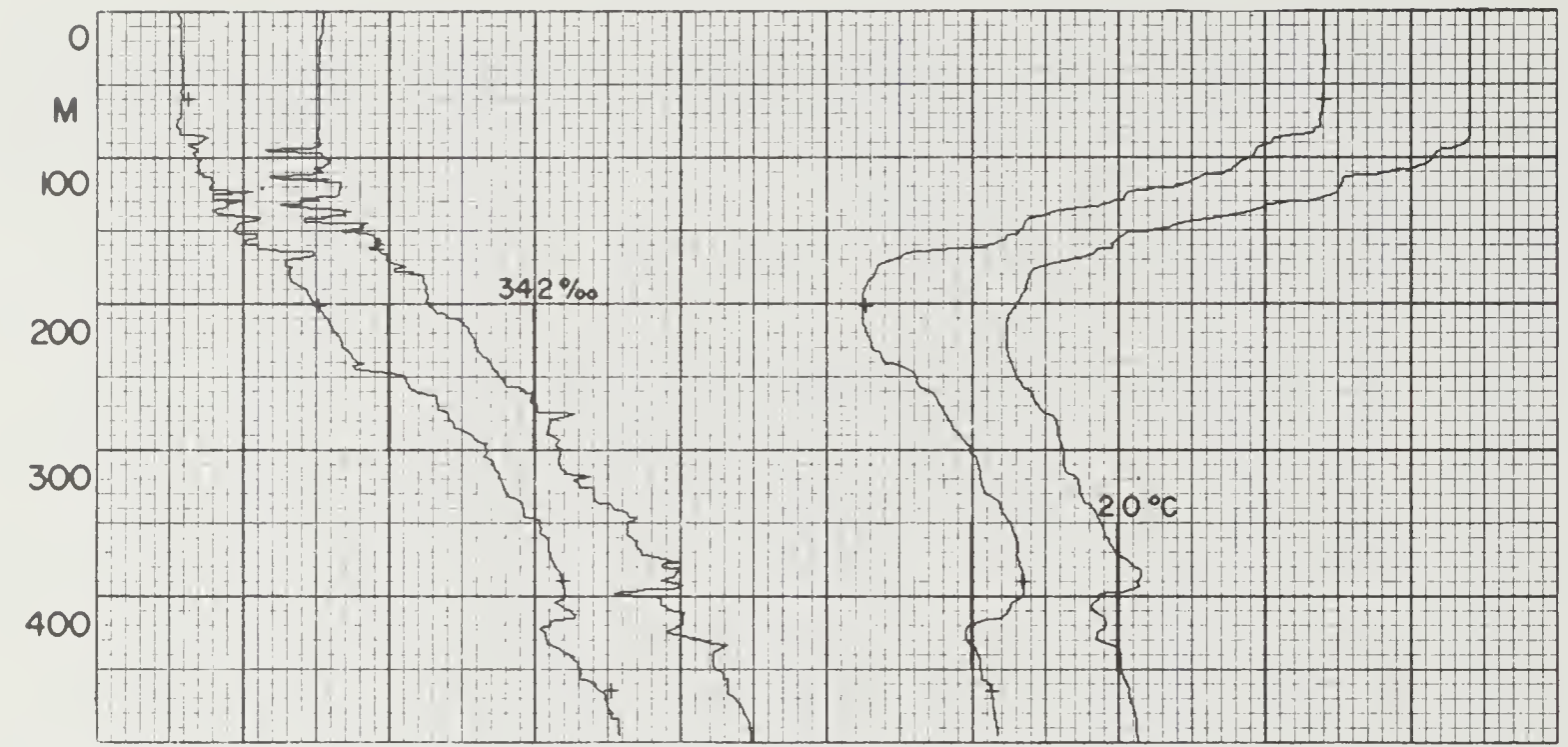


| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 47 | 1312 | 1 | 3 | 21 | 3 | 71 | 2.2 | 5425.3S | 6941.6E | 509 | 4078 | 2.6 | | 257 | 294 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CCM1 | 292 | 1.83 | | 34.316 | | 27.46 | | | | | 509 | 238 | | 53 | | |
| COM1 | 399 | 2.07 | | 34.418 | | 27.52 | | | | | 448 | 240 | | 63 | | |
| CCM1 | 442 | 2.11 | | 34.449 | | 27.54 | | | | | 436 | 235 | | 65 | | |
| CCM1 | 514 | 2.20 | | 34.496 | | 27.57 | | | | | 423 | 243 | | 68 | | |
| STD | 0 | 2.57 | | 33.869 | | 27.04 | | 102.59 | 0.000 | 1459.2 | | | | | | |
| STD | 10 | 2.57 | | 33.870 | | 27.04 | | 102.48 | 0.010 | 1459.4 | | | | | | |
| STD | 20 | 2.56 | | 33.871 | | 27.05 | | 102.48 | 0.021 | 1459.5 | | | | | | |
| STD | 30 | 2.57 | | 33.871 | | 27.04 | | 102.57 | 0.031 | 1459.7 | | | | | | |
| STD | 50 | 2.57 | | 33.871 | | 27.05 | | 102.63 | 0.051 | 1460.0 | | | | | | |
| STD | 75 | 2.57 | | 33.874 | | 27.05 | | 102.53 | 0.077 | 1460.4 | | | | | | |
| STD | 100 | 2.56 | | 33.876 | | 27.05 | | 102.48 | 0.103 | 1460.8 | | | | | | |
| STD | 125 | 0.80 | | 33.933 | | 27.22 | | 85.62 | 0.126 | 1453.5 | | | | | | |
| STD | 150 | 0.56 | | 33.957 | | 27.26 | | 82.34 | 0.147 | 1452.9 | | | | | | |
| STD | 200 | 0.66 | | 34.040 | | 27.32 | | 76.69 | 0.187 | 1454.3 | | | | | | |
| STD | 250 | 1.57 | | 34.263 | | 27.44 | | 66.09 | 0.223 | 1459.5 | | | | | | |
| STD | 300 | 1.88 | | 34.326 | | 27.46 | | 63.86 | 0.255 | 1461.7 | | | | | | |
| STD | 400 | 2.06 | | 34.427 | | 27.53 | | 58.27 | 0.316 | 1464.4 | | | | | | |
| STD | 500 | 2.14 | | 34.489 | | 27.57 | | 54.74 | 0.373 | 1466.4 | | | | | | |
| STD | 548 | 2.18 | | 34.519 | | 27.59 | | 53.06 | 0.399 | 1467.5 | | | | | | |
| COM2 | 89 | 2.58 | | 33.887 | | 27.06 | | | | | 761 | | | 8 | | |
| COM2 | 178 | 0.51 | | 33.975 | | 27.27 | | | | | 775 | | | 25 | | |

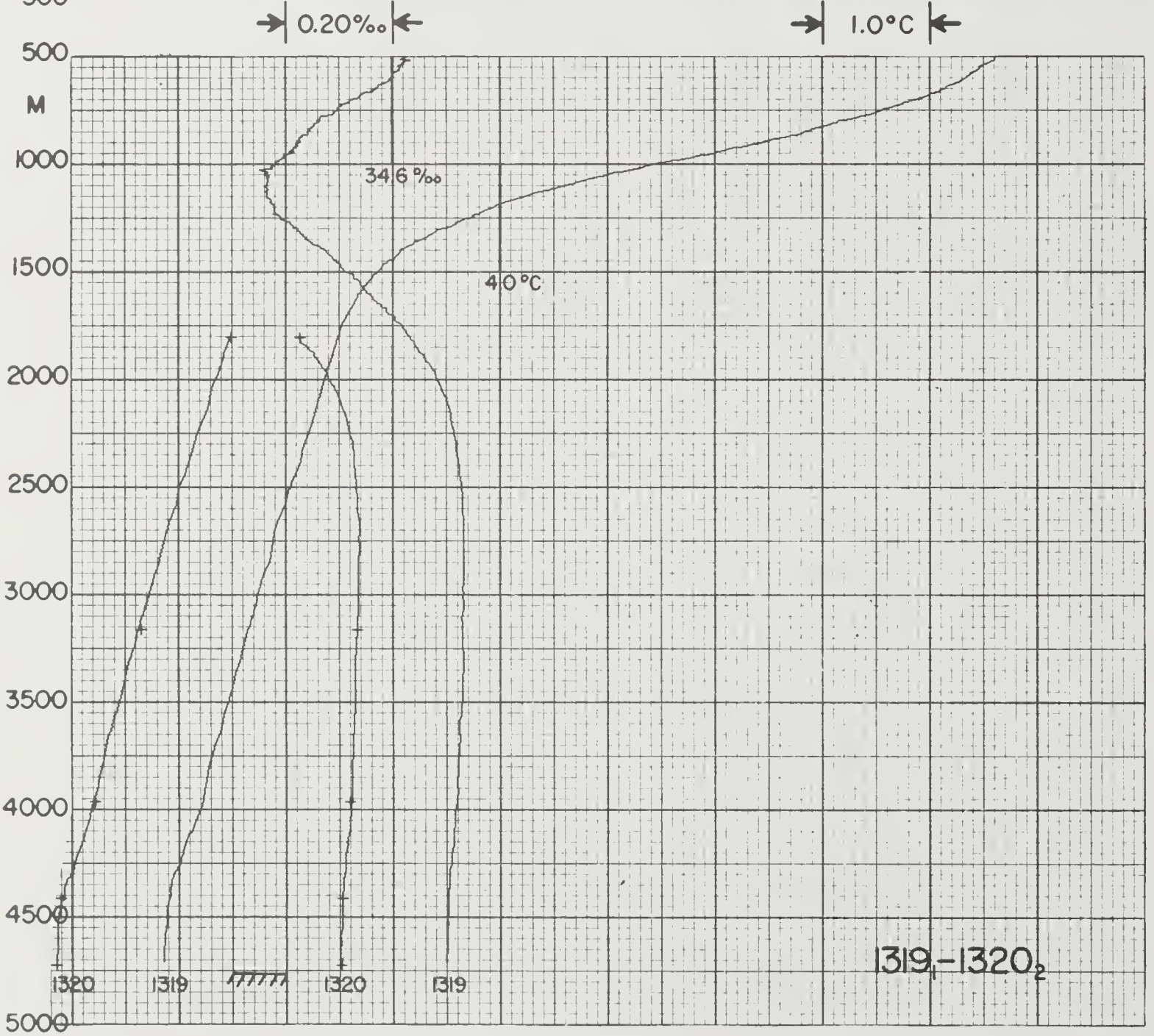
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 47 | 1314 | 0 | | 21 | 3 | 71 | 4.7 | 5426.2S | 6943.8E | 509 | 4025 | 2.5 | | 247 | 294 | 24 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 2 | 2.80 | | 33.885 | | 27.04 | | | | 1460.3 | 767 | | | 8 | | |
| OBS | 172 | | | 33.966 | | | | | | | 779 | 199 | | 25 | | |
| OBS | 210 | | | 34.024 | | | | | | | 725 | 206 | | 30 | | |
| OBS | 268 | | | 34.225 | | | | | | | 566 | 234 | | 48 | | |
| OBS | 365 | | | 34.363 | | | | | | | 473 | | | 59 | | |
| OBS | 482 | | | 34.455 | | | | | | | 435 | 241 | | 66 | | |
| OBS | 487 | 2.14 | | 34.458 | | 27.55 | | | | 1466.2 | 430 | 240 | | 66 | | |
| OBS | 531 | | | 34.496 | | | | | | | 425 | 240 | | 68 | | |
| OBS | 778 | | | 34.632 | | | | | | | 407 | 229 | | 76 | | |
| OBS | 783 | 2.28 | | 34.635 | | 27.68 | | | | 1471.9 | 406 | 225 | | 75 | | |
| OBS | 974 | | | 34.691 | | | | | | | 433 | 216 | | 77 | | |
| OBS | 1239 | 2.11 | | 34.745 | | 27.78 | | | | 1478.9 | 443 | 208 | | 78 | | |
| OBS | 1262 | | | 34.743 | | | | | | | 451 | 209 | | 78 | | |
| OBS | 1279 | 2.15 | | 34.738Q | | 27.77Q | | | | 1479.8Q | 452 | | | 77 | | |
| OBS | 1635 | | | 34.766 | | | | | | | 475 | 204 | | 82 | | |
| OBS | 2009 | | | 34.760 | | | | | | | 480 | 213 | | 90 | | |
| OBS | 2014 | 1.56 | | 34.756 | | 27.83 | | | | 1489.6 | 472 | 203 | | 91 | | |
| OBS | 2386 | | | 34.740 | | | | | | | 489 | 214 | | 100 | | |
| OBS | 2767 | | | 34.723 | | | | | | | 489 | 215 | | 108 | | |
| OBS | 2772 | 0.96 | | 34.723 | | 27.85 | | | | 1500.0 | 480 | 211 | | 107 | | |
| OBS | 3158 | | | 34.709 | | | | | | | 498 | 219 | | 116 | | |
| OBS | 3555 | | | 34.694 | | | | | | | 510 | 222 | | 125 | | |
| OBS | 3560 | 0.50 | | 34.695 | | 27.85 | | | | 1511.6 | 498 | 218 | | 123 | | |
| OBS | 3705 | | | 34.693 | | | | | | | 516 | 220 | | 128 | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 47 | 1315 | 1 | 3 | 28 | 3 | 71 | 9.2 | 4720.6S | 7356.3E | 472 | 3242 | 4.2 | | 143 | 162 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| COM1 | 584 | 2.08 | | 34.456 | | 27.55 | | | | | 442 | | | | | |
| COM1 | 1068 | 2.20 | | 34.704 | | 27.74 | | | | | 460 | | | | | |
| COM1 | 2496 | 1.19 | | 34.740 | | 27.85 | | | | | 507 | | | | | |
| COM1 | 3198 | 0.99 | | 34.725 | | 27.85 | | | | | 510 | | | | | |
| | | | | | | | | | | | | | | | | |
| STD | 0 | 4.16 | | 33.912 | | 26.93 | 113.46 | 0.000 | | 1466.1 | | | | | | |
| STD | 10 | 4.05 | | 33.926 | | 26.95 | 111.53 | 0.011 | | 1465.8 | | | | | | |
| STD | 20 | 4.07 | | 33.928 | | 26.95 | 111.57 | 0.022 | | 1466.0 | | | | | | |
| STD | 30 | 4.06 | | 33.931 | | 26.95 | 111.42 | 0.034 | | 1466.2 | | | | | | |
| STD | 50 | 4.06 | | 33.928 | | 26.95 | 111.78 | 0.056 | | 1466.5 | | | | | | |
| STD | 75 | 4.06 | | 33.932 | | 26.95 | 111.68 | 0.084 | | 1466.9 | | | | | | |
| STD | 100 | 3.98 | | 33.934 | | 26.96 | 110.94 | 0.112 | | 1467.0 | | | | | | |
| STD | 125 | 3.62 | | 33.935 | | 27.00 | 107.59 | 0.139 | | 1465.9 | | | | | | |
| STD | 150 | 3.22 | | 33.951 | | 27.05 | 102.79 | 0.165 | | 1464.6 | | | | | | |
| STD | 200 | 1.97 | | 33.996 | | 27.19 | 89.13 | 0.213 | | 1460.0 | | | | | | |
| STD | 250 | 1.59 | | 34.030 | | 27.25 | 83.79 | 0.256 | | 1459.2 | | | | | | |
| STD | 300 | 1.31 | | 34.079 | | 27.31 | 78.18 | 0.297 | | 1458.9 | | | | | | |
| STD | 400 | 1.55 | | 34.278 | | 27.45 | 65.23 | 0.369 | | 1461.9 | | | | | | |
| STD | 500 | 1.91 | | 34.368 | | 27.49 | 61.77 | 0.432 | | 1465.3 | | | | | | |
| STD | 600 | 2.11 | | 34.468 | | 27.56 | 56.43 | 0.491 | | 1467.9 | | | | | | |
| STD | 700 | 2.15 | | 34.529 | | 27.61 | 52.71 | 0.546 | | 1469.8 | | | | | | |
| STD | 800 | 2.20 | | 34.576 | | 27.64 | 50.21 | 0.597 | | 1471.8 | | | | | | |
| STD | 900 | 2.23 | | 34.652 | | 27.70 | 45.36 | 0.645 | | 1473.7 | | | | | | |
| STD | 1000 | 2.20 | | 34.690 | | 27.73 | 42.72 | 0.689 | | 1475.3 | | | | | | |
| STD | 1100 | 2.18 | | 34.720 | | 27.75 | 40.81 | 0.731 | | 1476.9 | | | | | | |
| STD | 1200 | 2.24 | | 34.744 | | 27.77 | 40.05 | 0.771 | | 1478.9 | | | | | | |
| STD | 1300 | 2.16 | | 34.751 | | 27.78 | 39.20 | 0.811 | | 1480.2 | | | | | | |
| STD | 1400 | 2.11 | | 34.757 | | 27.79 | 38.66 | 0.850 | | 1481.7 | | | | | | |
| STD | 1500 | 2.08 | | 34.764 | | 27.80 | 38.27 | 0.888 | | 1483.3 | | | | | | |
| STD | 1750 | 1.85 | | 34.771 | | 27.82 | 36.25 | 0.981 | | 1486.5 | | | | | | |
| STD | 2000 | 1.67 | | 34.765 | | 27.83 | 35.58 | 1.071 | | 1490.0 | | | | | | |
| STD | 2250 | 1.40 | | 34.749 | | 27.84 | 34.21 | 1.159 | | 1493.0 | | | | | | |
| STD | 2500 | 1.17 | | 34.738 | | 27.84 | 32.90 | 1.242 | | 1496.3 | | | | | | |
| STD | 2750 | 1.08 | | 34.733 | | 27.85 | 32.64 | 1.324 | | 1500.2 | | | | | | |
| STD | 3000 | 1.04 | | 34.729 | | 27.85 | 32.93 | 1.406 | | 1504.4 | | | | | | |
| STD | 3207 | 1.00 | | 34.726 | | 27.85 | 32.94 | 1.474 | | 1507.8 | | | | | | |
| PING | 28 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| COM2 | 3040 | 1.02 | | | | | | | | | | | | | | |



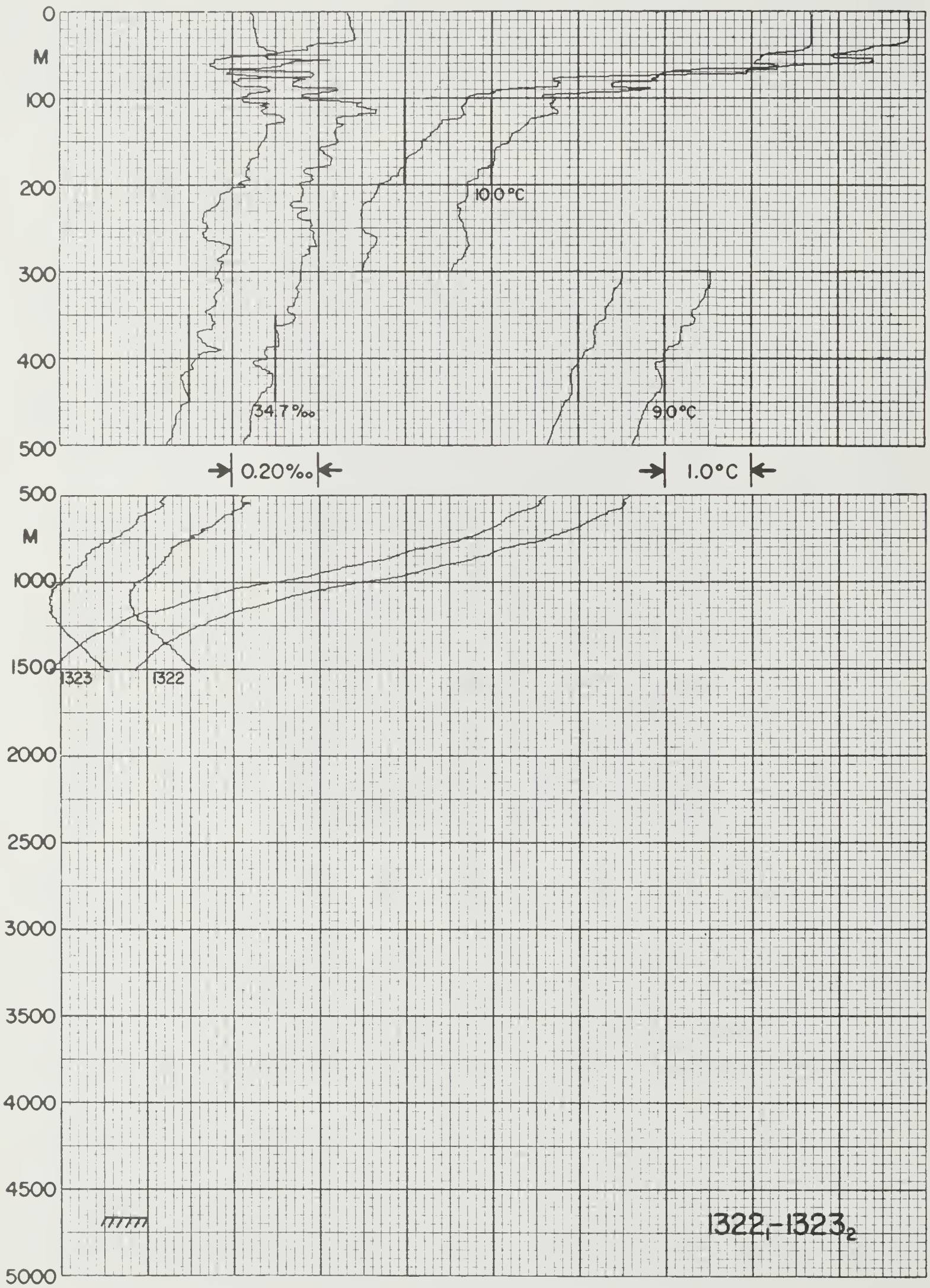
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 47 | 1317 | 1 | 3 | 29 | 3 | 71 | 20.5 | 4743.4S | 7323.2E | 472 | 1526 | 3.6 | | 246 | 264 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| STD | 0 | 4.40 | | 33.910 | | 26.90 | | 116.04 | 0.000 | 1467.1 | | | | | | |
| STD | 10 | 4.40 | | 33.908 | | 26.90 | | 116.30 | 0.012 | 1467.2 | | | | | | |
| STD | 20 | 4.40 | | 33.905 | | 26.90 | | 116.68 | 0.023 | 1467.4 | | | | | | |
| STD | 30 | 4.40 | | 33.904 | | 26.90 | | 116.81 | 0.035 | 1467.6 | | | | | | |
| STD | 50 | 4.40 | | 33.904 | | 26.90 | | 117.03 | 0.058 | 1467.9 | | | | | | |
| STD | 75 | 4.40 | | 33.903 | | 26.90 | | 117.28 | 0.088 | 1468.3 | | | | | | |
| STD | 100 | 4.15 | | 33.912 | | 26.93 | | 114.26 | 0.117 | 1467.7 | | | | | | |
| STD | 125 | 3.46 | | 33.931 | | 27.01 | | 106.38 | 0.144 | 1465.2 | | | | | | |
| STD | 150 | 2.21 | | 33.937 | | 27.13 | | 95.30 | 0.169 | 1460.2 | | | | | | |
| STD | 200 | 1.31 | | 34.055 | | 27.29 | | 79.76 | 0.213 | 1457.2 | | | | | | |
| STD | 250 | 1.31 | | 34.154 | | 27.37 | | 72.38 | 0.251 | 1458.1 | | | | | | |
| STD | 300 | 1.62 | | 34.236 | | 27.41 | | 68.70 | 0.286 | 1460.5 | | | | | | |
| STD | 400 | 1.87 | | 34.362 | | 27.49 | | 61.54 | 0.352 | 1463.4 | | | | | | |
| STD | 500 | 2.14 | | 34.499 | | 27.58 | | 53.98 | 0.409 | 1466.4 | | | | | | |
| STD | 600 | 2.25 | | 34.600 | | 27.65 | | 47.85 | 0.460 | 1468.7 | | | | | | |
| STD | 700 | 2.18 | | 34.652 | | 27.70 | | 43.82 | 0.506 | 1470.1 | | | | | | |
| STD | 800 | 2.19 | | 34.688 | | 27.73 | | 41.75 | 0.549 | 1471.9 | | | | | | |
| STD | 900 | 2.28 | | 34.721 | | 27.75 | | 40.76 | 0.590 | 1474.0 | | | | | | |
| STD | 1000 | 2.22 | | 34.737 | | 27.77 | | 39.40 | 0.630 | 1475.4 | | | | | | |
| STD | 1100 | 2.19 | | 34.752 | | 27.78 | | 38.55 | 0.669 | 1477.0 | | | | | | |
| STD | 1200 | 2.14 | | 34.758 | | 27.79 | | 38.04 | 0.707 | 1478.5 | | | | | | |
| STD | 1300 | 2.09 | | 34.761 | | 27.80 | | 37.72 | 0.745 | 1480.0 | | | | | | |
| STD | 1400 | 2.07 | | 34.767 | | 27.80 | | 37.53 | 0.783 | 1481.6 | | | | | | |
| STD | 1481 | 2.03 | | 34.771 | | 27.81 | | 37.15 | 0.813 | 1482.8 | | | | | | |
| COM2 | 60 | 4.40 | | 33.924 | | 26.91 | | | | | 755 | | | | | |
| COM2 | 201 | 1.27 | | 34.104 | | 27.33 | | | | | 670 | | | | | |
| COM2 | 389 | 2.35 | | 34.440 | | 27.52 | | | | | 490 | | | | | |
| COM2 | 464 | 2.14 | | 34.506 | | 27.59 | | | | | 438 | | | | | |
| COM2 | 1278 | 2.10 | | 34.764 | | 27.80 | | | | | 469 | | | | | |
| COM2 | 1450 | 2.03 | | 34.765 | | 27.80 | | | | | 468 | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 47 | 1319 | 1 | 3 | 10 | 4 | 71 | 2.2 | 4259.4S | 13733.2E | 466 | 4760 | 15.1 | | 305 | 323 | |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| STD | 0 | 15.62 | 35.087 | 25.92 | 209.39 | 0.000 | 1509.5 | | | | | | | | | |
| STD | 10 | 15.59 | 35.092 | 25.93 | 208.65 | 0.021 | 1509.5 | | | | | | | | | |
| STD | 20 | 15.58 | 35.094 | 25.93 | 208.62 | 0.042 | 1509.7 | | | | | | | | | |
| STD | 30 | 15.57 | 35.096 | 25.94 | 208.52 | 0.063 | 1509.8 | | | | | | | | | |
| STD | 50 | 15.58 | 35.108 | 25.94 | 208.46 | 0.104 | 1510.2 | | | | | | | | | |
| STD | 75 | 12.81 | 34.947 | 26.41 | 164.89 | 0.151 | 1501.4 | | | | | | | | | |
| STD | 100 | 12.05 | 35.181 | 26.74 | 133.99 | 0.188 | 1499.5 | | | | | | | | | |
| STD | 125 | 11.74 | 35.155 | 26.78 | 130.88 | 0.221 | 1498.8 | | | | | | | | | |
| STD | 150 | 10.96 | 34.978 | 26.78 | 130.64 | 0.254 | 1496.3 | | | | | | | | | |
| STD | 200 | 10.01 | 34.830 | 26.84 | 126.41 | 0.318 | 1493.5 | | | | | | | | | |
| STD | 250 | 9.52 | 34.744 | 26.85 | 125.83 | 0.381 | 1492.4 | | | | | | | | | |
| STD | 300 | 9.46 | 34.735 | 26.86 | 126.49 | 0.445 | 1493.0 | | | | | | | | | |
| STD | 400 | 8.86 | 34.660 | 26.89 | 124.47 | 0.570 | 1492.3 | | | | | | | | | |
| STD | 500 | 8.63 | 34.630 | 26.91 | 124.78 | 0.695 | 1493.0 | | | | | | | | | |
| STD | 600 | 8.34 | 34.602 | 26.93 | 124.20 | 0.819 | 1493.6 | | | | | | | | | |
| STD | 700 | 7.88 | 34.529 | 26.94 | 124.07 | 0.943 | 1493.4 | | | | | | | | | |
| STD | 800 | 7.17 | 34.468 | 27.00 | 119.45 | 1.065 | 1492.2 | | | | | | | | | |
| STD | 900 | 6.45 | 34.428 | 27.06 | 113.34 | 1.181 | 1491.0 | | | | | | | | | |
| STD | 1000 | 5.44 | 34.386 | 27.16 | 103.55 | 1.290 | 1488.5 | | | | | | | | | |
| STD | 1100 | 4.60 | 34.371 | 27.24 | 94.68 | 1.389 | 1486.7 | | | | | | | | | |
| STD | 1200 | 3.95 | 34.384 | 27.32 | 86.34 | 1.479 | 1485.7 | | | | | | | | | |
| STD | 1300 | 3.45 | 34.428 | 27.41 | 77.86 | 1.562 | 1485.3 | | | | | | | | | |
| STD | 1400 | 3.10 | 34.480 | 27.48 | 70.48 | 1.636 | 1485.6 | | | | | | | | | |
| STD | 1500 | 2.88 | 34.524 | 27.54 | 65.21 | 1.704 | 1486.4 | | | | | | | | | |
| STD | 1750 | 2.55 | 34.623 | 27.65 | 55.35 | 1.854 | 1489.3 | | | | | | | | | |
| STD | 2000 | 2.39 | 34.689 | 27.71 | 49.94 | 1.986 | 1493.0 | | | | | | | | | |
| STD | 2250 | 2.24 | 34.721 | 27.75 | 46.85 | 2.107 | 1496.6 | | | | | | | | | |
| STD | 2500 | 2.07 | 34.735 | 27.78 | 44.72 | 2.221 | 1500.2 | | | | | | | | | |
| STD | 2750 | 1.91 | 34.738 | 27.79 | 43.31 | 2.331 | 1503.8 | | | | | | | | | |
| STD | 3000 | 1.77 | 34.737 | 27.80 | 42.31 | 2.438 | 1507.5 | | | | | | | | | |
| STD | 3250 | 1.63 | 34.736 | 27.81 | 41.21 | 2.543 | 1511.3 | | | | | | | | | |
| STD | 3500 | 1.49 | 34.735 | 27.82 | 39.97 | 2.644 | 1515.1 | | | | | | | | | |
| STD | 3750 | 1.34 | 34.729 | 27.83 | 38.81 | 2.743 | 1518.8 | | | | | | | | | |
| STD | 4000 | 1.23 | 34.722 | 27.83 | 38.16 | 2.839 | 1522.7 | | | | | | | | | |
| STD | 4250 | 1.04 | 34.716 | 27.84 | 35.98 | 2.932 | 1526.3 | | | | | | | | | |
| STD | 4500 | 0.92 | 34.709 | 27.84 | 35.04 | 3.020 | 1530.2 | | | | | | | | | |
| STD | 4706 | 0.89 | 34.706 | 27.84 | 35.11 | 3.093 | 1533.8 | | | | | | | | | |
| CCM2 | 1801 | 2.52 | 34.632 | 27.66 | | | | 405 | | | 73 | | | | | |
| CCM2 | 3158 | 1.68 | 34.740 | 27.81 | | | | 453 | | | 101 | | | | | |
| CCM2 | 3962 | 1.25 | 34.726 | 27.83 | | | | 481 | | | 108 | | | | | |
| CCM2 | 4412 | 0.93 | 34.712 | 27.84 | | | | 497 | | | 115 | | | | | |
| CCM2 | 4719 | 0.89 | 34.710 | 27.84 | | | | 501 | | | 116 | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 47 | 1321 | 0 | | 10 | 4 | 71 | 4.5 | 4301.3S | 13733.7E | 466 | 476C | 15.1 | | 306 | 323 | 17 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 2 | 14.80 | 34.845 | 25.91 | | | 1506.6 | 602 | C22 | | 0 | | | | | |
| OBS | 70 | 13.44 | 34.784 | 26.16 | | | 1503.2 | 573 | C43 | | 0 | | | | | |
| OBS | 89 | 11.46 | 34.806 | 26.56 | | | 1496.8 | 571 | C70 | | 1 | | | | | |
| OBS | 118 | 10.77 | 34.875 | 26.74 | | | 1494.9 | 584 | C70 | | 2 | | | | | |
| OBS | 177 | 10.08 | 34.824 | 26.82 | | | 1493.4 | 600 | C67 | | 2 | | | | | |
| OBS | 246 | 9.53 | 34.736 | 26.84 | | | 1492.4 | 611 | 080 | | 2 | | | | | |
| OBS | 355 | 9.37 | 34.746 | 26.88 | | | 1493.6 | 574 | 090 | | 3 | | | | | |
| OBS | 653 | 8.17 | 34.578 | 26.94 | | | 1493.8 | 582 | 117 | | 5 | | | | | |
| OBS | 952 | 6.01 | 34.425 | 27.12 | | | 1490.1 | 470 | 180 | | 21 | | | | | |
| OBS | 1252 | 3.70 | 34.410 | 27.37 | | | 1485.5 | 441 | 214 | | 45 | | | | | |
| OBS | 1465 | 2.98 | 34.503 | 27.51 | | | 1486.2 | 411 | 227 | | 62 | | | | | |
| OBS | 1821 | 2.52 | 34.638 | 27.66 | | | 1490.4 | 393 | 221 | | 73 | | | | | |
| OBS | 2176 | 2.31 | 34.713 | 27.74 | | | 1495.6 | 401 | 218 | | 85 | | | | | |
| OBS | 2530 | 2.08 | 34.737 | 27.78 | | | 1500.7 | 4880 | 214 | | 94 | | | | | |
| OBS | 2886 | 1.85 | 34.744 | 27.80 | | | 1505.9 | 4170 | 212 | | 97 | | | | | |
| OBS | 3240 | 1.66 | 34.740 | 27.81 | | | 1511.2 | 449 | 208 | | 101 | | | | | |
| OBS | 3595 | 1.48 | 34.735 | 27.82 | | | 1516.6 | 4430 | 195 | | 102 | | | | | |
| ISL | 0 | 14.80 | 34.845 | 25.91 | 209.71 | 0.000 | 1506.6 | | | | | | | | | |
| ISL | 10 | 14.88 | 34.826 | 25.88 | 212.99 | 0.021 | 1507.0 | | | | | | | | | |
| ISL | 20 | 14.89 | 34.807 | 25.87 | 214.95 | 0.043 | 1507.1 | | | | | | | | | |
| ISL | 30 | 14.81 | 34.793 | 25.87 | 214.49 | 0.064 | 1507.0 | | | | | | | | | |
| ISL | 50 | 14.32 | 34.779 | 25.97 | 206.16 | 0.106 | 1505.8 | | | | | | | | | |
| ISL | 75 | 12.96 | 34.788 | 26.26 | 179.21 | 0.154 | 1501.7 | | | | | | | | | |
| ISL | 100 | 11.07 | 34.827 | 26.65 | 142.47 | 0.194 | 1495.6 | | | | | | | | | |
| ISL | 125 | 10.64 | 34.880 | 26.77 | 131.73 | 0.229 | 1494.6 | | | | | | | | | |
| ISL | 150 | 10.34 | 34.853 | 26.80 | 129.13 | 0.261 | 1493.9 | | | | | | | | | |
| ISL | 200 | 9.86 | 34.798 | 26.84 | 126.40 | 0.325 | 1492.9 | | | | | | | | | |
| ISL | 250 | 9.51 | 34.734 | 26.85 | 126.45 | 0.388 | 1492.4 | | | | | | | | | |
| ISL | 300 | 9.46 | 34.743 | 26.86 | 125.84 | 0.451 | 1493.0 | | | | | | | | | |
| ISL | 400 | 9.25 | 34.721 | 26.88 | 126.19 | 0.578 | 1493.8 | | | | | | | | | |
| ISL | 500 | 8.92 | 34.664 | 26.89 | 126.93 | 0.704 | 1494.2 | | | | | | | | | |
| ISL | 600 | 8.46 | 34.607 | 26.92 | 125.69 | 0.830 | 1494.0 | | | | | | | | | |
| ISL | 700 | 7.89 | 34.553 | 26.96 | 122.56 | 0.955 | 1493.4 | | | | | | | | | |
| ISL | 800 | 7.15 | 34.499 | 27.02 | 116.88 | 1.074 | 1492.1 | | | | | | | | | |
| ISL | 900 | 6.40 | 34.444 | 27.08 | 111.41 | 1.188 | 1490.8 | | | | | | | | | |
| ISL | 1000 | 5.65 | 34.412 | 27.15 | 104.52 | 1.296 | 1489.4 | | | | | | | | | |
| ISL | 1100 | 4.88 | 34.398 | 27.23 | 96.27 | 1.397 | 1487.9 | | | | | | | | | |
| ISL | 1200 | 4.10 | 34.401 | 27.32 | 87.00 | 1.488 | 1486.3 | | | | | | | | | |
| ISL | 1300 | 3.49 | 34.431 | 27.41 | 78.02 | 1.571 | 1485.4 | | | | | | | | | |
| ISL | 1400 | 3.12 | 34.475 | 27.48 | 71.05 | 1.645 | 1485.6 | | | | | | | | | |
| ISL | 1500 | 2.90 | 34.517 | 27.53 | 65.89 | 1.714 | 1486.4 | | | | | | | | | |
| ISL | 1750 | 2.58 | 34.615 | 27.64 | 56.42 | 1.867 | 1489.4 | | | | | | | | | |
| ISL | 2000 | 2.41 | 34.683 | 27.71 | 50.66 | 2.001 | 1493.0 | | | | | | | | | |
| ISL | 2250 | 2.26 | 34.721 | 27.75 | 47.11 | 2.123 | 1496.7 | | | | | | | | | |
| ISL | 2500 | 2.10 | 34.736 | 27.77 | 45.05 | 2.238 | 1500.3 | | | | | | | | | |
| ISL | 2750 | 1.94 | 34.743 | 27.79 | 43.34 | 2.349 | 1503.9 | | | | | | | | | |
| ISL | 3000 | 1.78 | 34.743 | 27.80 | 42.12 | 2.455 | 1507.5 | | | | | | | | | |
| ISL | 3250 | 1.65 | 34.740 | 27.81 | 41.33 | 2.560 | 1511.3 | | | | | | | | | |
| ISL | 3500 | 1.53 | 34.736 | 27.82 | 40.42 | 2.662 | 1515.1 | | | | | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS | | | | | |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------|-----------------|-------|----------------|--|-------------------------------|-----|---------------------------------|--|-------------------|--|-----------------|--|
| EL 47 | 1322 | 1 | 3 | 10 | 4 | 71 | 6.9 | 4301.4S | 13733.7E | 466 | 4665 | 15.9 | | 316 | 323 | | | | | | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | | DYN HT dyn m | | VELOC m/sec | | OXYG 10 ² ·ml/l | | PHOS 10 ² ·µgat/l | | NITR 10·µgat/l | | SILIC µgat/l | |
| STD | 0 | 14.82 | | 34.869 | | 25.93 | | 208.39 | | 0.000 | | 1506.7 | | | | | | | | | |
| STD | 10 | 14.83 | | 34.876 | | 25.93 | | 208.37 | | 0.021 | | 1506.9 | | | | | | | | | |
| STD | 20 | 14.83 | | 34.881 | | 25.94 | | 208.32 | | 0.042 | | 1507.0 | | | | | | | | | |
| STD | 30 | 14.83 | | 34.887 | | 25.94 | | 208.08 | | 0.062 | | 1507.2 | | | | | | | | | |
| STD | 50 | 13.96 | | 34.682 | | 25.97 | | 205.91 | | 0.104 | | 1504.5 | | | | | | | | | |
| STD | 75 | 11.93 | | 34.688 | | 26.38 | | 167.49 | | 0.151 | | 1498.1 | | | | | | | | | |
| STD | 100 | 10.75 | | 34.781 | | 26.67 | | 140.40 | | 0.189 | | 1494.5 | | | | | | | | | |
| STD | 125 | 10.46 | | 34.845 | | 26.77 | | 131.20 | | 0.223 | | 1493.9 | | | | | | | | | |
| STD | 150 | 10.22 | | 34.848 | | 26.81 | | 127.57 | | 0.255 | | 1493.4 | | | | | | | | | |
| STD | 200 | 9.74 | | 34.761 | | 26.83 | | 127.08 | | 0.319 | | 1492.4 | | | | | | | | | |
| STD | 250 | 9.70 | | 34.785 | | 26.86 | | 125.69 | | 0.382 | | 1493.1 | | | | | | | | | |
| STD | 300 | 9.56 | | 34.762 | | 26.86 | | 126.16 | | 0.445 | | 1493.4 | | | | | | | | | |
| STD | 400 | 9.01 | | 34.683 | | 26.89 | | 125.11 | | 0.571 | | 1492.9 | | | | | | | | | |
| STD | 500 | 8.64 | | 34.633 | | 26.91 | | 124.81 | | 0.696 | | 1493.1 | | | | | | | | | |
| STD | 600 | 8.35 | | 34.605 | | 26.93 | | 124.14 | | 0.820 | | 1493.6 | | | | | | | | | |
| STD | 700 | 7.91 | | 34.539 | | 26.95 | | 123.93 | | 0.944 | | 1493.5 | | | | | | | | | |
| STD | 800 | 7.19 | | 34.463 | | 26.99 | | 120.06 | | 1.066 | | 1492.3 | | | | | | | | | |
| STD | 900 | 6.46 | | 34.435 | | 27.07 | | 113.01 | | 1.183 | | 1491.0 | | | | | | | | | |
| STD | 1000 | 5.50 | | 34.378 | | 27.15 | | 104.95 | | 1.292 | | 1488.7 | | | | | | | | | |
| STD | 1100 | 4.58 | | 34.368 | | 27.24 | | 94.56 | | 1.392 | | 1486.6 | | | | | | | | | |
| STD | 1200 | 3.89 | | 34.384 | | 27.33 | | 85.64 | | 1.482 | | 1485.4 | | | | | | | | | |
| STD | 1300 | 3.42 | | 34.431 | | 27.41 | | 77.21 | | 1.563 | | 1485.2 | | | | | | | | | |
| STD | 1400 | 3.10 | | 34.472 | | 27.48 | | 71.02 | | 1.637 | | 1485.6 | | | | | | | | | |
| STD | 1500 | 2.90 | | 34.518 | | 27.53 | | 65.90 | | 1.706 | | 1486.5 | | | | | | | | | |
| STD | 1505 | 2.90 | | 34.518 | | 27.53 | | 65.82 | | 1.709 | | 1486.5 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 47 | 1324 | 0 | | 10 | 4 | 71 | 7.6 | 4301.5S | 13733.6E | 466 | 4665 | 15.7 | | 305 | 323 | 30 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 2 | 15.00 | 34.762 | 25.81 | | | 1507.1 | 598 | 020 | | 0 | | | | | |
| OBS | 98 | | 34.762 | | | | | 576 | 072 | | 1 | | | | | |
| OBS | 194 | | 34.827 | | | | | 608 | 077 | | 1 | | | | | |
| OBS | 291 | | 34.834 | | | | | 600 | 083 | | 2 | | | | | |
| OBS | 380 | | 34.697 | | | | | 593 | 096 | | 2 | | | | | |
| OBS | 526 | | 34.652 | | | | | 524 | 109 | | 4 | | | | | |
| OBS | 673 | | 34.566 | | | | | 588 | 118 | | 5 | | | | | |
| OBS | 678 | 8.11 | 34.572 | 26.94 | | | 1493.9 | 582 | 119 | | 5 | | | | | |
| OBS | 821 | | 34.474 | | | | | 595 | 149 | | 11 | | | | | |
| OBS | 969 | | 34.412 | | | | | 473 | 181 | | 20 | | | | | |
| OBS | 974 | 5.82 | 34.415 | 27.14 | | | 1489.6 | 471 | 181 | | 21 | | | | | |
| OBS | 1167 | | 34.379 | | | | | 465 | 208 | | 36 | | | | | |
| OBS | 1364 | | 34.477 | | | | | 432 | 203 | | 44 | | | | | |
| OBS | 1369 | 3.28 | 34.450 | 27.44 | | | 1485.7 | 407 | 223 | | 52 | | | | | |
| OBS | 1562 | | 34.535 | | | | | 402 | 228 | | 65 | | | | | |
| OBS | 1809 | | 34.633 | | | | | 399 | 221 | | 73 | | | | | |
| OBS | 1814 | 2.54 | 34.636 | 27.66 | | | 1490.3 | 396 | 222 | | 73 | | | | | |
| OBS | 2220 | 2.28 | 34.722 | 27.75 | | | 1496.2 | 419 | 216 | | 86 | | | | | |
| OBS | 2230 | | 34.719 | | | | | 404 | 216 | | 88 | | | | | |
| OBS | 2584 | | 34.737 | | | | | 421 | 213 | | 94 | | | | | |
| OBS | 2982 | | 34.740 | | | | | 437 | 212 | | 100 | | | | | |
| OBS | 2987 | 1.81 | 34.743 | 27.80 | | | 1507.4 | 457 | 212 | | 98 | | | | | |
| OBS | 3392 | | 34.737 | | | | | 461 | 208 | | 104 | | | | | |
| OBS | 3793 | | 34.730 | | | | | 472 | 209 | | 109 | | | | | |
| OBS | 3798 | 1.31 | 34.733 | 27.83 | | | 1519.4 | 481 | 208 | | 108 | | | | | |
| OBS | 4204 | | 34.717 | | | | | 487 | 209 | | 111 | | | | | |
| OBS | 4505 | | 34.716 | | | | | 492 | 211 | | 114 | | | | | |
| OBS | 4510 | 0.90 | 34.713 | 27.84 | | | 1530.2 | 485 | 211 | | 116 | | | | | |
| OBS | 4714 | | 34.711 | | | | | 492 | 213 | | 117 | | | | | |
| OBS | 4821 | 0.91 | 34.711 | 27.84 | | | 1535.8 | 488 | 202 | | 118 | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 48 | 1325 | 0 | | 13 | 7 | 71 | 1.7 | 4129.5S | 10017.2E | 469 | 4225 | C.C | | 277 | 264 | 26 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² -ml/l | PHOS 10 ² -µgat/l | NITR 10-µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 10.43 | 34.798 | 26.74 | | | 1491.7 | 664 | 62 | | 4 | | | | | |
| OBS | 25 | 10.45 | 34.798 | 26.74 | | | 1492.2 | 644 | 62 | | 4 | | | | | |
| OBS | 49 | 10.46 | 34.757C | 26.70C | | | 1492.5C | 656 | 62 | | 4 | | | | | |
| OBS | 98 | 10.47 | 34.80C | 26.73 | | | 1493.4 | | 60 | | 3 | | | | | |
| OBS | 146 | 10.46 | 34.800 | 26.74 | | | 1494.2 | 62C | 6C | | 3 | | | | | |
| OBS | 194 | 10.48 | 34.801 | 26.73 | | | 1495.0 | 617 | 6C | | 3 | | | | | |
| OBS | 290 | 10.17 | 34.83C | 26.81 | | | 1495.5 | 616 | 68 | | 4 | | | | | |
| OBS | 298 | 10.19 | 34.814 | 26.79 | | | 1495.7 | | | | | | | | | |
| OBS | 387 | 9.96 | 34.801 | 26.82 | | | 1496.3 | 615 | 69 | | 4 | | | | | |
| OBS | 407 | 9.97 | 34.658C | 26.71C | | | 1496.5C | 615 | 66 | | 5 | | | | | |
| OBS | 484 | 9.79 | 34.779 | 26.83 | | | 1497.3 | | | | | | | | | |
| OBS | 485 | 9.79 | 34.782 | 26.84 | | | 1497.3 | 599 | 78 | | 4 | | | | | |
| OBS | 672 | 9.02 | 34.68C | 26.88 | | | 1497.4 | | | | | | | | | |
| OBS | 735 | | 34.654 | | | | | 567 | 121 | | 7 | | | | | |
| OBS | 979 | | 34.426 | | | | | 503 | 152 | | 10 | | | | | |
| OBS | 1223 | 3.56 | 34.38C | 27.36 | | | 1484.4 | 477 | 188 | | 36 | | | | | |
| OBS | 1467 | 3.06 | 34.493 | 27.50 | | | 1486.5 | 445 | 22C | | 61 | | | | | |
| OBS | 1713 | 2.69 | 34.601 | 27.62 | | | 1489.2 | 414 | 198 | | 63 | | | | | |
| OBS | 1870 | 2.57 | 34.654 | 27.67 | | | 1491.4 | 436 | 208 | | 74 | | | | | |
| OBS | 1948 | 2.52 | 34.669 | 27.69 | | | 1492.6 | | | | | | | | | |
| OBS | 2109 | 2.42 | 34.706 | 27.72 | | | 1494.9 | | 198 | | 75 | | | | | |
| OBS | 2349 | 2.25 | 34.735 | 27.76 | | | 1498.3 | | 181 | | 77 | | | | | |
| OBS | 2590 | 2.06 | 34.752 | 27.79 | | | 1501.6 | 475 | 198 | | 87 | | | | | |
| OBS | 2792C | 1.79 | 34.748 | 27.81 | | | 1504.0 | 465C | 198 | | 93 | | | | | |
| OBS | 3381C | 1.34 | 34.734 | 27.83 | | | 1512.2 | 491 | 204 | | 107 | | | | | |
| OBS | 3870C | 1.09 | | | | | | | | | | | | | | |
| ISL | 0 | 10.43 | 34.798 | 26.74 | 131.42 | 0.000 | 1491.7 | | | | | | | | | |
| ISL | 10 | 10.44 | 34.798 | 26.74 | 131.77 | 0.013 | 1491.9 | | | | | | | | | |
| ISL | 20 | 10.45 | 34.798 | 26.74 | 132.13 | 0.026 | 1492.1 | | | | | | | | | |
| ISL | 30 | 10.45 | 34.798 | 26.74 | 132.47 | 0.040 | 1492.3 | | | | | | | | | |
| ISL | 50 | 10.46 | 34.799 | 26.73 | 133.01 | 0.066 | 1492.6 | | | | | | | | | |
| ISL | 75 | 10.47 | 34.799 | 26.73 | 133.62 | 0.099 | 1493.0 | | | | | | | | | |
| ISL | 100 | 10.47 | 34.800 | 26.73 | 134.18 | 0.133 | 1493.5 | | | | | | | | | |
| ISL | 125 | 10.46 | 34.800 | 26.73 | 134.63 | 0.167 | 1493.9 | | | | | | | | | |
| ISL | 150 | 10.46 | 34.800 | 26.74 | 135.15 | 0.200 | 1494.3 | | | | | | | | | |
| ISL | 200 | 10.47 | 34.802 | 26.74 | 136.29 | 0.268 | 1495.1 | | | | | | | | | |
| ISL | 250 | 10.31 | 34.815 | 26.77 | 133.60 | 0.336 | 1495.3 | | | | | | | | | |
| ISL | 300 | 10.19 | 34.813 | 26.79 | 132.89 | 0.402 | 1495.7 | | | | | | | | | |
| ISL | 400 | 9.97 | 34.798 | 26.82 | 132.37 | 0.535 | 1496.6 | | | | | | | | | |
| ISL | 500 | 9.76 | 34.776 | 26.84 | 132.61 | 0.667 | 1497.4 | | | | | | | | | |
| ISL | 600 | 9.47 | 34.715 | 26.84 | 134.28 | 0.801 | 1497.9 | | | | | | | | | |
| ISL | 700 | 8.82 | 34.668 | 26.91 | 128.82 | 0.932 | 1497.1 | | | | | | | | | |
| ISL | 800 | 8.03 | 34.605 | 26.98 | 122.49 | 1.058 | 1495.7 | | | | | | | | | |
| ISL | 900 | 7.01 | 34.493 | 27.04 | 116.69 | 1.178 | 1493.2 | | | | | | | | | |
| ISL | 1000 | 5.73 | 34.415 | 27.15 | 105.45 | 1.289 | 1489.7 | | | | | | | | | |
| ISL | 1100 | 4.52 | 34.382 | 27.26 | 92.89 | 1.388 | 1486.4 | | | | | | | | | |
| ISL | 1200 | 3.70 | 34.377 | 27.34 | 83.89 | 1.476 | 1484.6 | | | | | | | | | |
| ISL | 1300 | 3.35 | 34.415 | 27.41 | 77.53 | 1.557 | 1484.8 | | | | | | | | | |
| ISL | 1400 | 3.18 | 34.462 | 27.46 | 72.68 | 1.632 | 1485.8 | | | | | | | | | |
| ISL | 1500 | 3.00 | 34.508 | 27.51 | 67.85 | 1.702 | 1486.8 | | | | | | | | | |
| ISL | 1750 | 2.65 | 34.616 | 27.63 | 57.22 | 1.859 | 1489.7 | | | | | | | | | |
| ISL | 2000 | 2.49 | 34.68C | 27.70 | 51.78 | 1.995 | 1493.3 | | | | | | | | | |
| ISL | 2250 | 2.32 | 34.726 | 27.75 | 47.56 | 2.119 | 1496.9 | | | | | | | | | |
| ISL | 2500 | 2.14 | 34.748 | 27.78 | 44.67 | 2.234 | 1500.4 | | | | | | | | | |
| ISL | 2750 | 1.84 | 34.749 | 27.80 | 41.65 | 2.342 | 1503.5 | | | | | | | | | |
| ISL | 3000 | 1.58 | 34.744 | 27.82 | 39.18 | 2.443 | 1506.6 | | | | | | | | | |
| ISL | 3250 | 1.42 | 34.738 | 27.83 | 38.15 | 2.540 | 1510.3 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------|-------------------------------|---------------------------------|-------------------|-----------------|-----|
| EL 48 | 1326 | 0 | | 14 | 7 | 71 | 8.9 | 3853.4S | 9758.1E | 434 | 4198 | 10.4 | | 255 | 253 | 19 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | |
| OBS | 1 | 10.98 | | 34.835 | | 26.67 | | | | 1493.7 | | 645 | 68 | | 3 | |
| OBS | 99 | 10.94 | | 34.833 | | 26.68 | | | | 1495.2 | | 641 | 70 | | 3 | |
| OBS | 198 | 10.78 | | 34.868 | | 26.73 | | | | 1496.3 | | 612 | 78 | | 5 | |
| OBS | 247 | 10.49 | | 34.819 | | 26.75 | | | | 1496.0 | | | 84 | | 4 | |
| OBS | 297 | 10.32 | | 34.803 | | 26.76 | | | | 1496.2 | | 619 | 85 | | 4 | |
| OBS | 397 | 10.08 | | 34.789 | | 26.79 | | | | 1496.9 | | 619 | 79 | | 5 | |
| OBS | 497 | 9.79 | | 34.769 | | 26.83 | | | | 1497.5 | | 619 | 89 | | 5 | |
| OBS | 748 | 8.36 | | 34.598 | | 26.92 | | | | 1496.1 | | 546 | 118 | | 9 | |
| OBS | 998 | 5.49 | | 34.383 | | 27.15 | | | | 1488.7 | | 500 | 169 | | 13 | |
| OBS | 1229 | 3.67 | | 34.381 | | 27.35 | | | | 1485.0 | | 459 | 225 | | 45 | |
| OBS | 1475 | 3.00 | | 34.468 | | 27.48 | | | | 1486.5 | | 425 | 196 | | 53 | |
| OBS | 1716 | 2.77 | | 34.588 | | 27.60 | | | | 1489.7 | | 420 | 205 | | 70 | |
| OBS | 1960 | 2.52 | | 34.659 | | 27.68 | | | | 1492.9 | | 442 | 202 | | 73 | |
| OBS | 2203 | 2.42 | | 34.720 | | 27.73 | | | | 1496.7 | | 442 | 210 | | 81 | |
| OBS | 2447 | 2.17 | | 34.741 | | 27.77 | | | | 1499.8 | | 435C | 191 | | 77 | |
| OBS | 2693 | 1.89 | | 34.748 | | 27.80 | | | | 1502.9 | | 468 | 191 | | 81 | |
| OBS | 2940 | 1.63 | | 34.745 | | 27.82 | | | | 1506.0 | | 474 | 202 | | 97 | |
| OBS | 3435 | 1.18 | | 34.724 | | 27.83 | | | | 1512.7 | | | 212 | | 111 | |
| OBS | 3982Q | 1.00 | | 34.712 | | 27.84 | | | | 1521.5 | | 495 | 215 | | 119 | |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | 10.98 | | 34.835 | | 26.67 | | 138.00 | 0.000 | 1493.7 | | | | | | |
| ISL | 10 | 10.98 | | 34.835 | | 26.67 | | 138.29 | 0.014 | 1493.9 | | | | | | |
| ISL | 20 | 10.98 | | 34.834 | | 26.67 | | 138.58 | 0.028 | 1494.0 | | | | | | |
| ISL | 30 | 10.98 | | 34.834 | | 26.67 | | 138.82 | 0.042 | 1494.2 | | | | | | |
| ISL | 50 | 10.98 | | 34.834 | | 26.67 | | 139.24 | 0.069 | 1494.5 | | | | | | |
| ISL | 75 | 10.96 | | 34.832 | | 26.67 | | 139.65 | 0.104 | 1494.9 | | | | | | |
| ISL | 100 | 10.94 | | 34.833 | | 26.68 | | 139.76 | 0.139 | 1495.2 | | | | | | |
| ISL | 125 | 10.92 | | 34.839 | | 26.68 | | 139.47 | 0.174 | 1495.5 | | | | | | |
| ISL | 150 | 10.89 | | 34.848 | | 26.70 | | 139.06 | 0.209 | 1495.9 | | | | | | |
| ISL | 200 | 10.77 | | 34.867 | | 26.73 | | 136.67 | 0.278 | 1496.3 | | | | | | |
| ISL | 250 | 10.48 | | 34.817 | | 26.75 | | 136.38 | 0.346 | 1496.0 | | | | | | |
| ISL | 300 | 10.31 | | 34.802 | | 26.76 | | 135.77 | 0.414 | 1496.2 | | | | | | |
| ISL | 400 | 10.07 | | 34.788 | | 26.79 | | 134.86 | 0.549 | 1497.0 | | | | | | |
| ISL | 500 | 9.78 | | 34.768 | | 26.83 | | 133.53 | 0.684 | 1497.5 | | | | | | |
| ISL | 600 | 9.38 | | 34.715 | | 26.85 | | 132.66 | 0.817 | 1497.6 | | | | | | |
| ISL | 700 | 8.73 | | 34.635 | | 26.90 | | 129.81 | 0.948 | 1496.8 | | | | | | |
| ISL | 800 | 7.84 | | 34.556 | | 26.97 | | 123.11 | 1.074 | 1494.9 | | | | | | |
| ISL | 900 | 6.52 | | 34.470 | | 27.09 | | 111.28 | 1.192 | 1491.3 | | | | | | |
| ISL | 1000 | 5.47 | | 34.382 | | 27.15 | | 104.28 | 1.299 | 1488.7 | | | | | | |
| ISL | 1100 | 4.56 | | 34.362 | | 27.24 | | 94.87 | 1.399 | 1486.6 | | | | | | |
| ISL | 1200 | 3.84 | | 34.376 | | 27.33 | | 85.66 | 1.489 | 1485.3 | | | | | | |
| ISL | 1300 | 3.36 | | 34.398 | | 27.39 | | 78.90 | 1.571 | 1484.9 | | | | | | |
| ISL | 1400 | 3.13 | | 34.435 | | 27.44 | | 74.09 | 1.648 | 1485.7 | | | | | | |
| ISL | 1500 | 2.97 | | 34.479 | | 27.49 | | 69.67 | 1.720 | 1486.8 | | | | | | |
| ISL | 1750 | 2.74 | | 34.600 | | 27.61 | | 59.34 | 1.881 | 1490.2 | | | | | | |
| ISL | 2000 | 2.49 | | 34.670 | | 27.69 | | 52.58 | 2.021 | 1493.5 | | | | | | |
| ISL | 2250 | 2.38 | | 34.727 | | 27.74 | | 48.30 | 2.147 | 1497.3 | | | | | | |
| ISL | 2500 | 2.11 | | 34.744 | | 27.78 | | 44.63 | 2.263 | 1500.5 | | | | | | |
| ISL | 2750 | 1.83 | | 34.748 | | 27.81 | | 41.50 | 2.371 | 1503.6 | | | | | | |
| ISL | 3000 | 1.57 | | 34.743 | | 27.82 | | 39.11 | 2.472 | 1506.8 | | | | | | |
| ISL | 3250 | 1.32 | | 34.731 | | 27.83 | | 37.21 | 2.567 | 1510.1 | | | | | | |
| ISL | 3500 | 1.14 | | 34.722 | | 27.83 | | 35.80 | 2.658 | 1513.7 | | | | | | |
| ISL | 3750 | 1.04 | | 34.716 | | 27.84 | | 35.15 | 2.747 | 1517.6 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 48 | 1327 | 0 | | 15 | 7 | 71 | 9.8 | 3627.9S | 9728.7E | 434 | 4314 | 12.5 | | 266 | 244 | 19 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 1 | 12.93 | | 35.120 | | 26.52 | | | | 1500.8 | 614 | 52 | | | 2 | |
| OBS | 99 | 12.73 | | 35.114 | | 26.55 | | | | 1501.7 | 602 | 50 | | | 2 | |
| OBS | 196 | 11.30 | | 34.998 | | 26.74 | | | | 1498.2 | 604 | 70 | | | 3 | |
| OBS | 245 | 10.88 | | 34.943 | | 26.77 | | | | 1497.5 | 608 | 73 | | | 3 | |
| OBS | 294 | 10.51 | | 34.878 | | 26.79 | | | | 1496.9 | 610 | 75 | | | 3 | |
| OBS | 393 | 10.19 | | 34.849 | | 26.82 | | | | 1497.3 | 599 | 76 | | | 3 | |
| OBS | 492 | 9.84 | | 34.806 | | 26.85 | | | | 1497.6 | 603 | 93 | | | 4 | |
| OBS | 726C | 8.65 | | 34.655 | | 26.92 | | | | 1496.9 | 576 | 111 | | | 6 | |
| OBS | 906C | 6.78 | | 34.488 | | 27.07 | | | | 1492.4 | 502 | 158 | | | 15 | |
| OBS | 1194 | 4.06 | | 34.396 | | 27.32 | | | | 1486.0 | | 215 | | | 43 | |
| OBS | 1431 | 3.18 | | 34.479 | | 27.48 | | | | 1486.4 | 451 | 215 | | | 61 | |
| OBS | 1666 | 2.90 | | 34.587 | | 27.59 | | | | 1489.3 | 397 | 217 | | | 69 | |
| OBS | 1902 | 2.65 | | 34.657 | | 27.66 | | | | 1492.3 | 414 | 215 | | | 83 | |
| OBS | 2143 | 2.41 | | 34.706 | | 27.72 | | | | 1495.5 | 425 | 203 | | | 82 | |
| OBS | 2376 | 2.22 | | 34.729 | | 27.76 | | | | 1498.7 | 436 | 199 | | | 84 | |
| OBS | 2616 | 2.02 | | 34.746 | | 27.79 | | | | 1501.9 | 459 | 200 | | | 90 | |
| OBS | 2859 | 1.78 | | 34.748 | | 27.81 | | | | 1505.1 | 484 | 202 | | | 95 | |
| OBS | 3347 | 1.31 | | 34.728 | | 27.83 | | | | 1511.5 | 500 | 205 | | | 110 | |
| OBS | 4052 | 1.00 | | 34.713 | | 27.84 | | | | 1522.5 | 498 | 212 | | | 119 | |
| ISL | 0 | 12.93 | | 35.120 | | 26.52 | 152.41 | 0.000 | | 1500.8 | | | | | | |
| ISL | 10 | 12.95 | | 35.124 | | 26.52 | 152.89 | 0.015 | | 1501.0 | | | | | | |
| ISL | 20 | 12.97 | | 35.127 | | 26.51 | 153.24 | 0.031 | | 1501.3 | | | | | | |
| ISL | 30 | 12.98 | | 35.128 | | 26.52 | 153.48 | 0.046 | | 1501.4 | | | | | | |
| ISL | 50 | 12.96 | | 35.129 | | 26.52 | 153.59 | 0.077 | | 1501.7 | | | | | | |
| ISL | 75 | 12.87 | | 35.124 | | 26.53 | 152.92 | 0.115 | | 1501.8 | | | | | | |
| ISL | 100 | 12.72 | | 35.113 | | 26.55 | 151.59 | 0.153 | | 1501.7 | | | | | | |
| ISL | 125 | 12.37 | | 35.083 | | 26.60 | 147.88 | 0.190 | | 1500.9 | | | | | | |
| ISL | 150 | 11.91 | | 35.052 | | 26.67 | 142.22 | 0.227 | | 1499.7 | | | | | | |
| ISL | 200 | 11.26 | | 34.993 | | 26.74 | 135.98 | 0.296 | | 1498.2 | | | | | | |
| ISL | 250 | 10.84 | | 34.937 | | 26.77 | 133.87 | 0.364 | | 1497.4 | | | | | | |
| ISL | 300 | 10.49 | | 34.875 | | 26.79 | 133.48 | 0.431 | | 1496.9 | | | | | | |
| ISL | 400 | 10.17 | | 34.846 | | 26.82 | 132.20 | 0.563 | | 1497.3 | | | | | | |
| ISL | 500 | 9.81 | | 34.802 | | 26.85 | 131.52 | 0.695 | | 1497.6 | | | | | | |
| ISL | 600 | 9.39 | | 34.745 | | 26.88 | 130.64 | 0.826 | | 1497.7 | | | | | | |
| ISL | 700 | 8.84 | | 34.675 | | 26.91 | 128.67 | 0.956 | | 1497.2 | | | | | | |
| ISL | 800 | 7.88 | | 34.591 | | 26.99 | 121.25 | 1.081 | | 1495.1 | | | | | | |
| ISL | 900 | 6.84 | | 34.492 | | 27.06 | 114.27 | 1.199 | | 1492.6 | | | | | | |
| ISL | 1000 | 5.84 | | 34.434 | | 27.15 | 105.57 | 1.309 | | 1490.2 | | | | | | |
| ISL | 1100 | 4.84 | | 34.403 | | 27.24 | 95.43 | 1.409 | | 1487.7 | | | | | | |
| ISL | 1200 | 4.02 | | 34.397 | | 27.33 | 86.39 | 1.500 | | 1486.0 | | | | | | |
| ISL | 1300 | 3.54 | | 34.425 | | 27.40 | 79.07 | 1.583 | | 1485.6 | | | | | | |
| ISL | 1400 | 3.25 | | 34.466 | | 27.46 | 73.30 | 1.659 | | 1486.2 | | | | | | |
| ISL | 1500 | 3.09 | | 34.508 | | 27.51 | 68.87 | 1.730 | | 1487.2 | | | | | | |
| ISL | 1750 | 2.81 | | 34.616 | | 27.62 | 59.12 | 1.890 | | 1490.4 | | | | | | |
| ISL | 2000 | 2.55 | | 34.680 | | 27.69 | 52.57 | 2.030 | | 1493.6 | | | | | | |
| ISL | 2250 | 2.32 | | 34.719 | | 27.74 | 48.11 | 2.155 | | 1496.9 | | | | | | |
| ISL | 2500 | 2.12 | | 34.739 | | 27.78 | 45.01 | 2.272 | | 1500.4 | | | | | | |
| ISL | 2750 | 1.89 | | 34.749 | | 27.80 | 42.26 | 2.381 | | 1503.7 | | | | | | |
| ISL | 3000 | 1.64 | | 34.742 | | 27.81 | 40.19 | 2.484 | | 1506.9 | | | | | | |
| ISL | 3250 | 1.40 | | 34.732 | | 27.82 | 38.23 | 2.582 | | 1510.2 | | | | | | |
| ISL | 3500 | 1.21 | | 34.724 | | 27.83 | 36.61 | 2.676 | | 1513.7 | | | | | | |
| ISL | 3750 | 1.08 | | 34.719 | | 27.84 | 35.67 | 2.766 | | 1517.6 | | | | | | |
| ISL | 4000 | 1.01 | | 34.714 | | 27.84 | 35.33 | 2.855 | | 1521.6 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 48 | 1328 | 0 | | 16 | 7 | 71 | 11.7 | 3358.4S | 9733.5E | 434 | 4401 | 13.5 | | 215 | 223 | 24 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 14.95 | 35.565 | 26.44 | | | 1507.9 | 591 | 30 | | 1 | | | | | |
| OBS | 89 | 14.96 | 35.562 | 26.43 | | | 1509.4 | | | | | | | | | |
| OBS | 150 | 13.94 | 35.350 | 26.49 | | | 1506.9 | 570 | 46 | | 1 | | | | | |
| OBS | 174 | 12.93 | 35.322 | 26.67 | | | 1503.9 | 571 | 49 | | 2 | | | | | |
| OBS | 182 | 13.22 | 35.319 | 26.61 | | | 1505.0 | | | | | | | | | |
| OBS | 199 | 12.47 | 35.218 | 26.69 | | | 1502.6 | 576 | 51 | | 2 | | | | | |
| OBS | 279 | 11.71 | 35.074 | 26.72 | | | 1501.1 | | | | | | | | | |
| OBS | 299 | 11.57 | 35.069 | 26.74 | | | 1501.0 | 593 | 66 | | 2 | | | | | |
| OBS | 399 | 10.80 | 34.960 | 26.80 | | | 1499.8 | 572 | 68 | | 3 | | | | | |
| OBS | 494 | 10.29 | 34.886 | 26.83 | | | 1499.4 | | | | | | | | | |
| OBS | 499 | 10.09 | 34.854 | 26.84 | | | 1498.7 | 579 | 84 | | 3 | | | | | |
| OBS | 689 | 9.00 | 34.702 | 26.90 | | | 1497.7 | | | | | | | | | |
| OBS | 743 | 8.87 | 34.659 | 26.89 | | | 1498.0 | 573 | 106 | | 5 | | | | | |
| OBS | 991 | 5.83 | 34.413 | 27.13 | | | 1490.0 | 620 | 175 | | 12 | | | | | |
| OBS | 1241 | 3.80 | 34.420 | 27.37 | | | 1485.8 | 425 | 196 | | 46 | | | | | |
| OBS | 1491 | 3.19 | 34.422 | 27.43 | | | 1487.5 | 394 | 243 | | 71 | | | | | |
| OBS | 1741 | 2.82 | 34.525 | 27.54 | | | 1490.3 | 410 | 231 | | 82 | | | | | |
| OBS | 1974 | 2.52 | 34.681 | 27.70 | | | 1493.1 | 408 | 205 | | 73 | | | | | |
| OBS | 2218 | 2.34 | 34.716 | 27.74 | | | 1496.6 | 434 | 197 | | 84 | | | | | |
| OBS | 2464 | 2.11 | 34.731 | 27.77 | | | 1499.8 | 454 | 206 | | 91 | | | | | |
| OBS | 2710 | 1.89 | 34.746 | 27.80 | | | 1503.2 | 462 | 199 | | 98 | | | | | |
| OBS | 2957 | 1.65 | 34.739 | 27.81 | | | 1506.4 | 478 | 178 | | 90 | | | | | |
| OBS | 3452 | 1.26 | 34.728 | 27.83 | | | 1513.3 | 485 | 162 | | 89 | | | | | |
| OBS | 4167 | 1.03 | 34.714 | 27.84 | | | 1524.9 | 498 | 204 | | 118 | | | | | |
| ISL | 0 | 14.95 | 35.565 | 26.44 | 160.24 | 0.000 | 1507.9 | | | | | | | | | |
| ISL | 10 | 15.04 | 35.578 | 26.43 | 161.35 | 0.016 | 1508.4 | | | | | | | | | |
| ISL | 20 | 15.11 | 35.589 | 26.42 | 162.39 | 0.032 | 1508.8 | | | | | | | | | |
| ISL | 30 | 15.16 | 35.597 | 26.41 | 163.19 | 0.049 | 1509.1 | | | | | | | | | |
| ISL | 50 | 15.18 | 35.600 | 26.41 | 164.12 | 0.081 | 1509.5 | | | | | | | | | |
| ISL | 75 | 15.08 | 35.581 | 26.42 | 163.92 | 0.122 | 1509.6 | | | | | | | | | |
| ISL | 100 | 14.80 | 35.535 | 26.45 | 162.26 | 0.163 | 1509.1 | | | | | | | | | |
| ISL | 125 | 14.31 | 35.424 | 26.47 | 160.94 | 0.203 | 1507.8 | | | | | | | | | |
| ISL | 150 | 13.50 | 35.350 | 26.58 | 150.69 | 0.242 | 1505.4 | | | | | | | | | |
| ISL | 200 | 12.88 | 35.214 | 26.60 | 149.88 | 0.318 | 1504.0 | | | | | | | | | |
| ISL | 250 | 12.05 | 35.100 | 26.68 | 143.71 | 0.391 | 1501.9 | | | | | | | | | |
| ISL | 300 | 11.56 | 35.068 | 26.74 | 138.35 | 0.461 | 1501.0 | | | | | | | | | |
| ISL | 400 | 10.79 | 34.959 | 26.80 | 134.89 | 0.598 | 1499.8 | | | | | | | | | |
| ISL | 500 | 10.07 | 34.853 | 26.85 | 132.18 | 0.732 | 1498.7 | | | | | | | | | |
| ISL | 600 | 9.35 | 34.773 | 26.90 | 127.98 | 0.862 | 1497.6 | | | | | | | | | |
| ISL | 700 | 8.97 | 34.693 | 26.90 | 129.47 | 0.990 | 1497.7 | | | | | | | | | |
| ISL | 800 | 8.23 | 34.608 | 26.95 | 125.46 | 1.118 | 1496.5 | | | | | | | | | |
| ISL | 900 | 6.84 | 34.513 | 27.08 | 112.80 | 1.237 | 1492.6 | | | | | | | | | |
| ISL | 1000 | 5.74 | 34.413 | 27.14 | 105.68 | 1.346 | 1489.8 | | | | | | | | | |
| ISL | 1100 | 4.79 | 34.416 | 27.26 | 93.82 | 1.446 | 1487.6 | | | | | | | | | |
| ISL | 1200 | 4.05 | 34.419 | 27.34 | 84.98 | 1.535 | 1486.2 | | | | | | | | | |
| ISL | 1300 | 3.55 | 34.421 | 27.39 | 79.49 | 1.618 | 1485.8 | | | | | | | | | |
| ISL | 1400 | 3.36 | 34.421 | 27.41 | 77.96 | 1.696 | 1486.7 | | | | | | | | | |
| ISL | 1500 | 3.17 | 34.424 | 27.43 | 76.08 | 1.773 | 1487.5 | | | | | | | | | |
| ISL | 1750 | 2.81 | 34.530 | 27.55 | 65.37 | 1.950 | 1490.4 | | | | | | | | | |
| ISL | 2000 | 2.50 | 34.690 | 27.70 | 51.16 | 2.096 | 1493.5 | | | | | | | | | |
| ISL | 2250 | 2.31 | 34.718 | 27.74 | 48.01 | 2.220 | 1497.0 | | | | | | | | | |
| ISL | 2500 | 2.08 | 34.733 | 27.77 | 44.94 | 2.336 | 1500.3 | | | | | | | | | |
| ISL | 2750 | 1.85 | 34.745 | 27.80 | 42.05 | 2.445 | 1503.7 | | | | | | | | | |
| ISL | 3000 | 1.61 | 34.738 | 27.81 | 40.07 | 2.547 | 1507.0 | | | | | | | | | |
| ISL | 3250 | 1.40 | 34.732 | 27.82 | 38.19 | 2.645 | 1510.4 | | | | | | | | | |
| ISL | 3500 | 1.23 | 34.727 | 27.83 | 36.78 | 2.739 | 1514.0 | | | | | | | | | |
| ISL | 3750 | 1.12 | 34.722 | 27.84 | 35.94 | 2.830 | 1517.9 | | | | | | | | | |
| ISL | 4000 | 1.05 | 34.717 | 27.84 | 35.72 | 2.919 | 1522.1 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 48 | 1329 | 0 | | 18 | 7 | 71 | 18.6 | 3028.2S | 9736.7E | 434 | 3171 | 15.0 | | 203 | 202 | 19 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² -ml/l | PHOS 10 ² -µgat/l | NITR 10-µgat/l | SILIC µgat/l | | |
| OBS | 1 | 17.40 | | 35.896 | | 26.12 | | | | 1515.8 | 546 | 169Q | | | 2 | |
| OBS | 25 | 17.41 | | 35.897 | | 26.12 | | | | 1516.3 | 562 | | | | 4 | |
| OBS | 49 | | | 35.900 | | | | | | | 556 | | 0 | | 7 | |
| OBS | 145 | 15.35 | | 35.580 | | 26.36 | | | | 1511.6 | 556 | 133Q | 8 | | 2 | |
| OBS | 194 | 13.45 | | 35.339 | | 26.58 | | | | 1506.0 | 561 | 23 | 62 | | 2 | |
| OBS | 242 | 13.14 | | 35.339 | | 26.64 | | | | 1505.7 | 566 | 32 | 62 | | 2 | |
| OBS | 291 | 12.04 | | 35.165 | | 26.73 | | | | 1502.6 | 577 | | 76 | | 4 | |
| OBS | 389 | 11.02 | | 35.000 | | 26.79 | | | | 1500.4 | 610 | 98 | 111 | | 3 | |
| OBS | 487 | 10.05 | | 34.861 | | 26.85 | | | | 1498.4 | 578 | 91 | 150 | | 3 | |
| OBS | 734 | 7.84 | | 34.604 | | 27.01 | | | | 1493.9 | 548 | 165 | 207 | | 8 | |
| OBS | 978 | 4.83 | | 34.390 | | 27.23 | | | | 1485.6 | 467 | | 249 | | 29 | |
| OBS | 1200 | 3.66 | | 34.467 | | 27.42 | | | | 1484.6 | 411 | 246 | 368 | | 63 | |
| OBS | 1433 | 3.14 | | 34.596 | | 27.57 | | | | 1486.5 | 368 | | 348 | | 76 | |
| OBS | 1669 | 2.77 | | 34.667 | | 27.66 | | | | 1488.9 | 379 | 218 | 377 | | 97 | |
| OBS | 1910 | 2.45 | | 34.705 | | 27.72 | | | | 1491.7 | 391 | 213 | 341 | | 94 | |
| OBS | 2157 | 2.20 | | 34.721 | | 27.75 | | | | 1494.9 | 403 | 218 | 346 | | 108 | |
| OBS | 2405 | 1.96 | | 34.730 | | 27.78 | | | | 1498.1 | 418 | 242 | 365 | | 115 | |
| OBS | 2654 | 1.77 | | 34.727 | | 27.79 | | | | 1501.5 | 431 | | 327 | | 107 | |
| OBS | 3029 | 1.51 | | 34.733 | | 27.82 | | | | 1506.9 | 446 | 228 | 344 | | 121 | |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | 17.40 | | 35.896 | | 26.12 | | 190.01 | 0.000 | 1515.8 | | | | | | |
| ISL | 10 | 17.42 | | 35.896 | | 26.12 | | 190.77 | 0.019 | 1516.0 | | | | | | |
| ISL | 20 | 17.42 | | 35.897 | | 26.12 | | 191.06 | 0.038 | 1516.2 | | | | | | |
| ISL | 30 | 17.40 | | 35.897 | | 26.12 | | 190.79 | 0.057 | 1516.3 | | | | | | |
| ISL | 50 | 17.28 | | 35.898 | | 26.15 | | 188.64 | 0.095 | 1516.3 | | | | | | |
| ISL | 75 | 16.99 | | 35.862 | | 26.20 | | 185.53 | 0.142 | 1515.8 | | | | | | |
| ISL | 100 | 16.55 | | 35.773 | | 26.23 | | 182.78 | 0.188 | 1514.8 | | | | | | |
| ISL | 125 | 15.95 | | 35.664 | | 26.29 | | 178.23 | 0.233 | 1513.2 | | | | | | |
| ISL | 150 | 15.17 | | 35.557 | | 26.38 | | 169.99 | 0.277 | 1511.1 | | | | | | |
| ISL | 200 | 13.35 | | 35.328 | | 26.59 | | 150.74 | 0.357 | 1505.7 | | | | | | |
| ISL | 250 | 13.00 | | 35.318 | | 26.66 | | 146.03 | 0.431 | 1505.4 | | | | | | |
| ISL | 300 | 11.92 | | 35.140 | | 26.73 | | 139.65 | 0.502 | 1502.3 | | | | | | |
| ISL | 400 | 10.91 | | 34.983 | | 26.80 | | 135.15 | 0.640 | 1500.2 | | | | | | |
| ISL | 500 | 9.93 | | 34.845 | | 26.86 | | 130.40 | 0.773 | 1498.1 | | | | | | |
| ISL | 600 | 9.00 | | 34.730 | | 26.93 | | 125.31 | 0.900 | 1496.2 | | | | | | |
| ISL | 700 | 8.16 | | 34.636 | | 26.98 | | 120.64 | 1.023 | 1494.6 | | | | | | |
| ISL | 800 | 7.10 | | 34.540 | | 27.06 | | 113.08 | 1.140 | 1492.0 | | | | | | |
| ISL | 900 | 5.79 | | 34.442 | | 27.16 | | 103.00 | 1.248 | 1488.3 | | | | | | |
| ISL | 1000 | 4.66 | | 34.388 | | 27.25 | | 93.16 | 1.346 | 1485.3 | | | | | | |
| ISL | 1100 | 4.00 | | 34.421 | | 27.35 | | 83.52 | 1.435 | 1484.3 | | | | | | |
| ISL | 1200 | 3.66 | | 34.467 | | 27.42 | | 76.72 | 1.515 | 1484.6 | | | | | | |
| ISL | 1300 | 3.38 | | 34.519 | | 27.49 | | 70.27 | 1.588 | 1485.2 | | | | | | |
| ISL | 1400 | 3.20 | | 34.581 | | 27.55 | | 64.25 | 1.656 | 1486.1 | | | | | | |
| ISL | 1500 | 3.02 | | 34.621 | | 27.60 | | 59.78 | 1.718 | 1487.1 | | | | | | |
| ISL | 1750 | 2.65 | | 34.683 | | 27.69 | | 52.29 | 1.858 | 1489.8 | | | | | | |
| ISL | 2000 | 2.35 | | 34.713 | | 27.74 | | 47.67 | 1.983 | 1492.8 | | | | | | |
| ISL | 2250 | 2.11 | | 34.726 | | 27.77 | | 44.80 | 2.098 | 1496.0 | | | | | | |
| ISL | 2500 | 1.88 | | 34.729 | | 27.79 | | 42.67 | 2.208 | 1499.4 | | | | | | |
| ISL | 2750 | 1.70 | | 34.728 | | 27.80 | | 41.15 | 2.312 | 1502.9 | | | | | | |
| ISL | 3000 | 1.53 | | 34.732 | | 27.82 | | 39.32 | 2.413 | 1506.5 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 48 | 1330 | 0 | | 19 | 7 | 71 | 18.5 | 2831.2S | 9737.6E | 398 | 4C33 | 16.8 | | 135 | 133 | 18 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 18.91 | 35.763 | 25.64 | | | 1520.0 | 553 | 0 | 4 | 1 | | | | | |
| OBS | 98 | 18.92 | 35.800 | 25.67 | | | 1521.7 | 570 | 1 | 5 | 1 | | | | | |
| OBS | 165 | 18.39 | 35.907 | 25.89 | | | 1521.4 | 569 | 0 | 4 | 1 | | | | | |
| OBS | 236 | 15.40 | 35.637 | 26.39 | | | 1513.3 | 560 | 20 | 29 | 1 | | | | | |
| OBS | 284 | 14.13 | 35.473 | 26.54 | | | 1509.9 | 554 | | 48 | 1 | | | | | |
| OBS | 378 | 12.76 | 35.291 | 26.68 | | | 1506.6 | | 41 | 76 | 1 | | | | | |
| OBS | 473 | 11.30 | 35.059 | 26.79 | | | 1502.9 | 553 | 93 | 107 | 2 | | | | | |
| OBS | 712 | 9.12 | 34.706 | 26.89 | | | 1498.5 | 589 | 97 | 178 | 4 | | | | | |
| OBS | 948 | 6.11 | 34.449 | 27.13 | | | 1490.5 | 476 | 163 | 295 | 23 | | | | | |
| OBS | 1182 | 4.17 | 34.479 | 27.38 | | | 1486.5 | 404 | 197 | 366 | 56 | | | | | |
| OBS | 1429 | 3.50 | 34.578 | 27.52 | | | 1487.9 | 362 | 176 | 382 | 81 | | | | | |
| OBS | 1677 | 2.96 | 34.649 | 27.63 | | | 1489.9 | 395 | | 370 | 94 | | | | | |
| OBS | 1923 | 2.57 | 34.697 | 27.70 | | | 1492.5 | 399 | 210 | 365 | 102 | | | | | |
| OBS | 2167 | 2.31 | 34.720 | 27.74 | | | 1495.6 | 4260 | 210 | 356 | 111 | | | | | |
| OBS | 2413 | 2.06 | 34.733 | 27.77 | | | 1498.7 | | 222 | 362 | 100 | | | | | |
| OBS | 2911 | 1.70 | 34.734 | 27.80 | | | 1505.7 | 444 | 198 | 354 | 120 | | | | | |
| OBS | 3411 | 1.36 | 34.734 | 27.83 | | | 1513.0 | 459 | 189 | 341 | 124 | | | | | |
| OBS | 3831 | 1.24 | 34.725 | 27.83 | | | 1519.8 | 486 | 198 | 351 | 123 | | | | | |
| ISL | 0 | 18.91 | 35.763 | 25.64 | 235.38 | 0.000 | 1520.0 | | | | | | | | | |
| ISL | 10 | 18.97 | 35.769 | 25.63 | 236.68 | 0.024 | 1520.3 | | | | | | | | | |
| ISL | 20 | 19.02 | 35.774 | 25.63 | 237.81 | 0.047 | 1520.6 | | | | | | | | | |
| ISL | 30 | 19.05 | 35.780 | 25.62 | 238.63 | 0.071 | 1520.9 | | | | | | | | | |
| ISL | 50 | 19.08 | 35.788 | 25.62 | 239.44 | 0.119 | 1521.3 | | | | | | | | | |
| ISL | 75 | 19.03 | 35.789 | 25.63 | 239.04 | 0.179 | 1521.6 | | | | | | | | | |
| ISL | 100 | 18.91 | 35.802 | 25.67 | 236.07 | 0.238 | 1521.7 | | | | | | | | | |
| ISL | 125 | 18.83 | 35.840 | 25.72 | 232.21 | 0.297 | 1521.9 | | | | | | | | | |
| ISL | 150 | 18.68 | 35.879 | 25.79 | 226.60 | 0.354 | 1522.0 | | | | | | | | | |
| ISL | 200 | 16.79 | 35.772 | 26.17 | 191.72 | 0.459 | 1517.1 | | | | | | | | | |
| ISL | 250 | 14.98 | 35.586 | 26.45 | 166.76 | 0.548 | 1512.1 | | | | | | | | | |
| ISL | 300 | 13.89 | 35.439 | 26.57 | 156.33 | 0.629 | 1509.3 | | | | | | | | | |
| ISL | 400 | 12.43 | 35.241 | 26.71 | 144.41 | 0.779 | 1505.8 | | | | | | | | | |
| ISL | 500 | 10.99 | 35.004 | 26.80 | 137.42 | 0.920 | 1502.2 | | | | | | | | | |
| ISL | 600 | 10.22 | 34.845 | 26.81 | 137.51 | 1.058 | 1500.8 | | | | | | | | | |
| ISL | 700 | 9.25 | 34.721 | 26.88 | 132.01 | 1.193 | 1498.8 | | | | | | | | | |
| ISL | 800 | 8.06 | 34.591 | 26.96 | 124.16 | 1.321 | 1495.8 | | | | | | | | | |
| ISL | 900 | 6.66 | 34.482 | 27.08 | 112.31 | 1.439 | 1491.9 | | | | | | | | | |
| ISL | 1000 | 5.58 | 34.433 | 27.18 | 101.95 | 1.546 | 1489.1 | | | | | | | | | |
| ISL | 1100 | 4.72 | 34.456 | 27.30 | 89.91 | 1.642 | 1487.3 | | | | | | | | | |
| ISL | 1200 | 4.08 | 34.484 | 27.39 | 80.62 | 1.727 | 1486.4 | | | | | | | | | |
| ISL | 1300 | 3.81 | 34.530 | 27.45 | 74.79 | 1.805 | 1487.0 | | | | | | | | | |
| ISL | 1400 | 3.57 | 34.568 | 27.51 | 69.75 | 1.877 | 1487.7 | | | | | | | | | |
| ISL | 1500 | 3.33 | 34.601 | 27.56 | 65.09 | 1.945 | 1488.4 | | | | | | | | | |
| ISL | 1750 | 2.83 | 34.666 | 27.66 | 55.74 | 2.096 | 1490.6 | | | | | | | | | |
| ISL | 2000 | 2.48 | 34.706 | 27.72 | 49.81 | 2.228 | 1493.4 | | | | | | | | | |
| ISL | 2250 | 2.22 | 34.725 | 27.76 | 46.31 | 2.348 | 1496.6 | | | | | | | | | |
| ISL | 2500 | 1.99 | 34.734 | 27.78 | 43.70 | 2.460 | 1499.9 | | | | | | | | | |
| ISL | 2750 | 1.81 | 34.734 | 27.79 | 42.30 | 2.568 | 1503.4 | | | | | | | | | |
| ISL | 3000 | 1.64 | 34.734 | 27.81 | 40.71 | 2.671 | 1507.0 | | | | | | | | | |
| ISL | 3250 | 1.46 | 34.734 | 27.82 | 38.93 | 2.771 | 1510.6 | | | | | | | | | |
| ISL | 3500 | 1.33 | 34.733 | 27.83 | 37.73 | 2.867 | 1514.4 | | | | | | | | | |
| ISL | 3750 | 1.25 | 34.727 | 27.83 | 37.62 | 2.961 | 1518.5 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 48 | 1331 | 0 | | 21 | 7 | 71 | 2.4 | 2830.5S | 9330.2E | 398 | 3492 | 18.2 | | 93 | 72 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 18.57 | 35.877 | 25.82 | | | 1519.2 | 566 | 4 | 0 | 0 | | | | | |
| OBS | 85 | 18.59 | 35.874 | 25.81 | | | 1520.6 | | | | | | | | | |
| OBS | 168 | 15.43 | 35.594 | 26.35 | | | 1512.2 | 563 | 12 | 14 | 0 | | | | | |
| OBS | 178 | 15.18 | 35.593 | 26.41 | | | 1511.6 | 568 | 12 | 17 | 0 | | | | | |
| OBS | 197 | 14.66 | 35.535 | 26.48 | | | 1510.2 | 554 | 16 | 35 | 0 | | | | | |
| OBS | 277 | 13.28 | 35.376 | 26.64 | | | 1506.8 | | | | | | | | | |
| OBS | 295 | 13.07 | 35.340 | 26.66 | | | 1506.4 | 589 | 23 | 44 | 0 | | | | | |
| OBS | 394 | 11.55 | 35.091 | 26.76 | | | 1502.5 | 564 | | 91 | 11 | | | | | |
| OBS | 480 | 10.68 | 34.954 | 26.82 | | | 1500.7 | | | | | | | | | |
| OBS | 493 | 10.56 | 34.940 | 26.83 | | | 1500.4 | 567 | 122 | 124 | 4 | | | | | |
| OBS | 682 | 9.19 | 34.721 | 26.89 | | | 1498.3 | | | | | | | | | |
| OBS | 743 | 8.55 | 34.640 | 26.93 | | | 1496.8 | 555 | 125 | 180 | 7 | | | | | |
| OBS | 993 | 5.07 | 34.425 | 27.23 | | | 1487.0 | 437 | 161 | 230 | 26 | | | | | |
| OBS | 1243 | 3.74 | 34.497 | 27.43 | | | 1485.7 | 375 | 232 | 339 | 70 | | | | | |
| OBS | 1492 | 3.11 | 34.608 | 27.58 | | | 1487.4 | 371 | 240 | 354 | 81 | | | | | |
| OBS | 1742 | 2.67 | 34.681 | 27.68 | | | 1489.8 | | 240 | 345 | 97 | | | | | |
| OBS | 1952 | 2.41 | 34.714 | 27.73 | | | 1492.3 | 388 | 231 | 332 | 98 | | | | | |
| OBS | 1981 | | 34.718 | | | | | | | | | | | | | |
| OBS | 2201 | 2.11 | 34.727 | 27.77 | | | 1495.3 | 407 | 227 | 332 | 109 | | | | | |
| OBS | 2449 | 1.85 | 34.738 | 27.80 | | | 1498.4 | 423 | 246 | 339 | 111 | | | | | |
| OBS | 2698 | 1.65 | 34.739 | 27.81 | | | 1501.9 | 429 | | 290Q | 102C | | | | | |
| OBS | 2948 | 1.49 | 34.731 | 27.82 | | | 1505.5 | | 213 | 339 | 120 | | | | | |
| OBS | 3166 | 1.40 | 34.734 | 27.83 | | | 1508.9 | 449 | 210 | 334 | 122 | | | | | |
| ISL | 0 | 18.57 | 35.877 | 25.82 | 218.90 | 0.000 | 1519.2 | | | | | | | | | |
| ISL | 10 | 18.72 | 35.889 | 25.79 | 221.97 | 0.022 | 1519.8 | | | | | | | | | |
| ISL | 20 | 18.84 | 35.899 | 25.76 | 224.64 | 0.044 | 1520.3 | | | | | | | | | |
| ISL | 30 | 18.93 | 35.905 | 25.75 | 226.51 | 0.067 | 1520.7 | | | | | | | | | |
| ISL | 50 | 18.96 | 35.907 | 25.74 | 227.84 | 0.112 | 1521.1 | | | | | | | | | |
| ISL | 75 | 18.75 | 35.887 | 25.78 | 225.04 | 0.169 | 1520.9 | | | | | | | | | |
| ISL | 100 | 18.09 | 35.842 | 25.91 | 213.44 | 0.224 | 1519.4 | | | | | | | | | |
| ISL | 125 | 16.91 | 35.741 | 26.12 | 194.18 | 0.275 | 1516.2 | | | | | | | | | |
| ISL | 150 | 16.01 | 35.635 | 26.25 | 182.53 | 0.322 | 1513.8 | | | | | | | | | |
| ISL | 200 | 14.59 | 35.529 | 26.49 | 161.35 | 0.408 | 1510.0 | | | | | | | | | |
| ISL | 250 | 13.66 | 35.430 | 26.61 | 150.81 | 0.486 | 1507.7 | | | | | | | | | |
| ISL | 300 | 13.00 | 35.329 | 26.66 | 146.57 | 0.560 | 1506.2 | | | | | | | | | |
| ISL | 400 | 11.48 | 35.079 | 26.77 | 138.44 | 0.703 | 1502.3 | | | | | | | | | |
| ISL | 500 | 10.50 | 34.932 | 26.83 | 133.93 | 0.839 | 1500.3 | | | | | | | | | |
| ISL | 600 | 9.77 | 34.821 | 26.87 | 131.52 | 0.972 | 1499.2 | | | | | | | | | |
| ISL | 700 | 9.01 | 34.697 | 26.90 | 129.83 | 1.102 | 1497.9 | | | | | | | | | |
| ISL | 800 | 7.84 | 34.573 | 26.98 | 121.94 | 1.228 | 1494.9 | | | | | | | | | |
| ISL | 900 | 6.43 | 34.475 | 27.10 | 109.51 | 1.344 | 1490.9 | | | | | | | | | |
| ISL | 1000 | 5.01 | 34.424 | 27.24 | 95.03 | 1.446 | 1486.8 | | | | | | | | | |
| ISL | 1100 | 4.26 | 34.443 | 27.34 | 85.04 | 1.536 | 1485.4 | | | | | | | | | |
| ISL | 1200 | 3.91 | 34.481 | 27.41 | 78.69 | 1.618 | 1485.7 | | | | | | | | | |
| ISL | 1300 | 3.54 | 34.520 | 27.47 | 72.22 | 1.694 | 1485.9 | | | | | | | | | |
| ISL | 1400 | 3.30 | 34.569 | 27.54 | 66.33 | 1.763 | 1486.6 | | | | | | | | | |
| ISL | 1500 | 3.09 | 34.611 | 27.59 | 61.40 | 1.827 | 1487.4 | | | | | | | | | |
| ISL | 1750 | 2.66 | 34.683 | 27.68 | 52.37 | 1.969 | 1489.9 | | | | | | | | | |
| ISL | 2000 | 2.35 | 34.719 | 27.74 | 47.24 | 2.093 | 1492.9 | | | | | | | | | |
| ISL | 2250 | 2.05 | 34.729 | 27.77 | 43.87 | 2.207 | 1495.9 | | | | | | | | | |
| ISL | 2500 | 1.80 | 34.739 | 27.80 | 40.90 | 2.313 | 1499.1 | | | | | | | | | |
| ISL | 2750 | 1.61 | 34.738 | 27.81 | 39.29 | 2.413 | 1502.6 | | | | | | | | | |
| ISL | 3000 | 1.46 | 34.731 | 27.82 | 38.50 | 2.511 | 1506.3 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 48 | 1332 | 0 | | 22 | 7 | 71 | 7.8 | 3119.6S | 9335.7E | 434 | 4687 | 16.2 | | 244 | 242 | 19 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 17.02 | 35.777 | 26.12 | | | 1514.6 | 551 | | 0 | 3 | | | | | |
| OBS | 94 | 16.87 | 35.802 | 26.18 | | | 1515.7 | 552 | | 10 | 1 | | | | | |
| OBS | 142 | 15.99 | 35.823 | 26.40 | | | 1513.8 | 557 | 20 | 1 | 1 | | | | | |
| OBS | 190 | 14.41 | 35.462 | 26.47 | | | 1509.2 | 542 | 39 | 32 | 2 | | | | | |
| OBS | 239 | 13.45 | 35.313 | 26.56 | | | 1506.7 | 550 | 44 | 58 | 3 | | | | | |
| OBS | 288 | 12.62 | 35.206 | 26.65 | | | 1504.6 | 551 | 47 | 72 | 2 | | | | | |
| OBS | 384 | 11.50 | 35.047 | 26.74 | | | 1502.1 | 559 | 55 | 100 | 3 | | | | | |
| OBS | 480 | 10.83 | 34.966 | 26.80 | | | 1501.2 | 570 | 96 | 108 | 3 | | | | | |
| OBS | 719 | 9.12 | 34.697 | 26.88 | | | 1498.6 | 573 | 85 | 147 | 4 | | | | | |
| OBS | 966 | 6.06 | 34.430 | 27.12 | | | 1490.5 | 500 | | 265 | 24 | | | | | |
| OBS | 1213 | 4.10 | 34.455 | 27.36 | | | 1486.7 | | | 294 | 54 | | | | | |
| OBS | 1455 | 3.32 | 34.541 | 27.51 | | | 1487.6 | 369 | 241 | 357 | 74 | | | | | |
| OBS | 1697 | 2.84 | 34.616 | 27.62 | | | 1489.7 | 392 | | 327 | 83 | | | | | |
| OBS | 1940 | 2.56 | 34.671 | 27.68 | | | 1492.7 | 395 | 220 | 311 | 84 | | | | | |
| OBS | 2427 | 2.09 | 34.726 | 27.77 | | | 1499.1 | 440 | 198 | 300 | 92 | | | | | |
| OBS | 2916 | 1.68 | 34.730 | 27.80 | | | 1505.8 | | 206 | 308 | 100 | | | | | |
| OBS | 3410 | 1.33 | 34.722 | 27.82 | | | 1512.8 | 469 | 197 | 294 | 110 | | | | | |
| OBS | 3904 | 1.23 | 34.716 | 27.82 | | | 1521.1 | 474 | 197 | 317 | 119 | | | | | |
| OBS | 4402 | 1.18 | 34.711 | 27.82 | | | 1529.7 | 484 | | 262 | 107 | | | | | |
| ISL | 0 | 17.02 | 35.777 | 26.12 | 189.96 | 0.000 | 1514.5 | | | | | | | | | |
| ISL | 10 | 17.08 | 35.780 | 26.11 | 191.56 | 0.019 | 1514.9 | | | | | | | | | |
| ISL | 20 | 17.14 | 35.783 | 26.10 | 192.84 | 0.038 | 1515.2 | | | | | | | | | |
| ISL | 30 | 17.17 | 35.785 | 26.09 | 193.66 | 0.058 | 1515.5 | | | | | | | | | |
| ISL | 50 | 17.17 | 35.791 | 26.10 | 193.91 | 0.096 | 1515.8 | | | | | | | | | |
| ISL | 75 | 17.05 | 35.797 | 26.13 | 191.59 | 0.145 | 1515.9 | | | | | | | | | |
| ISL | 100 | 16.78 | 35.805 | 26.20 | 185.87 | 0.192 | 1515.5 | | | | | | | | | |
| ISL | 125 | 16.36 | 35.817 | 26.31 | 176.18 | 0.237 | 1514.6 | | | | | | | | | |
| ISL | 150 | 15.81 | 35.781 | 26.41 | 167.49 | 0.280 | 1513.3 | | | | | | | | | |
| ISL | 200 | 14.45 | 35.414 | 26.43 | 166.71 | 0.364 | 1509.4 | | | | | | | | | |
| ISL | 250 | 13.24 | 35.286 | 26.58 | 153.05 | 0.443 | 1506.1 | | | | | | | | | |
| ISL | 300 | 12.44 | 35.182 | 26.66 | 146.47 | 0.518 | 1504.1 | | | | | | | | | |
| ISL | 400 | 11.39 | 35.031 | 26.75 | 140.20 | 0.662 | 1501.9 | | | | | | | | | |
| ISL | 500 | 10.69 | 34.944 | 26.81 | 136.38 | 0.800 | 1501.0 | | | | | | | | | |
| ISL | 600 | 9.98 | 34.830 | 26.84 | 134.48 | 0.935 | 1500.0 | | | | | | | | | |
| ISL | 700 | 9.28 | 34.718 | 26.87 | 132.75 | 1.069 | 1498.9 | | | | | | | | | |
| ISL | 800 | 8.18 | 34.608 | 26.96 | 124.80 | 1.198 | 1496.3 | | | | | | | | | |
| ISL | 900 | 6.79 | 34.497 | 27.07 | 113.12 | 1.317 | 1492.4 | | | | | | | | | |
| ISL | 1000 | 5.72 | 34.419 | 27.15 | 105.01 | 1.426 | 1489.7 | | | | | | | | | |
| ISL | 1100 | 4.86 | 34.427 | 27.26 | 93.85 | 1.525 | 1487.9 | | | | | | | | | |
| ISL | 1200 | 4.17 | 34.452 | 27.35 | 84.21 | 1.614 | 1486.7 | | | | | | | | | |
| ISL | 1300 | 3.70 | 34.486 | 27.43 | 76.62 | 1.695 | 1486.5 | | | | | | | | | |
| ISL | 1400 | 3.46 | 34.522 | 27.48 | 71.73 | 1.769 | 1487.2 | | | | | | | | | |
| ISL | 1500 | 3.21 | 34.556 | 27.53 | 66.89 | 1.838 | 1487.9 | | | | | | | | | |
| ISL | 1750 | 2.76 | 34.630 | 27.63 | 57.54 | 1.994 | 1490.3 | | | | | | | | | |
| ISL | 2000 | 2.50 | 34.682 | 27.70 | 51.77 | 2.130 | 1493.5 | | | | | | | | | |
| ISL | 2250 | 2.25 | 34.714 | 27.74 | 47.48 | 2.254 | 1496.7 | | | | | | | | | |
| ISL | 2500 | 2.02 | 34.729 | 27.77 | 44.51 | 2.369 | 1500.1 | | | | | | | | | |
| ISL | 2750 | 1.81 | 34.731 | 27.79 | 42.51 | 2.478 | 1503.4 | | | | | | | | | |
| ISL | 3000 | 1.61 | 34.729 | 27.81 | 40.78 | 2.582 | 1506.9 | | | | | | | | | |
| ISL | 3250 | 1.42 | 34.724 | 27.82 | 39.02 | 2.682 | 1510.4 | | | | | | | | | |
| ISL | 3500 | 1.30 | 34.721 | 27.82 | 38.12 | 2.778 | 1514.3 | | | | | | | | | |
| ISL | 3750 | 1.25 | 34.718 | 27.82 | 38.28 | 2.874 | 1518.5 | | | | | | | | | |
| ISL | 4000 | 1.22 | 34.715 | 27.82 | 38.43 | 2.970 | 1522.7 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|--|-----|-----|-----|
| EL 48 | 1333 | 0 | | 24 | 7 | 71 | 15.7 | 3525.9S | 9151.0E | 434 | 3627 | 13.6 | | 315 | 303 | 19 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | |
| OBS | 1 | 15.14 | | 35.568 | 26.40 | | | 1508.5 | 587 | 17 | 10 | 1 | | | | |
| OBS | 145 | 14.14 | | 35.409 | 26.49 | | | 1507.5 | 563 | | 42 | 2 | | | | |
| OBS | 169 | 13.07 | | | | | | | 579 | 21 | 10 | 0 | | | | |
| OBS | 218 | 12.33 | | 35.148 | 26.66 | | | 1502.4 | 583 | 38 | 68 | 1 | | | | |
| OBS | 243 | 12.25 | | 35.161 | 26.68 | | | 1502.5 | 565 | | 67 | | | | | |
| OBS | 291 | 11.62 | | 35.043 | 26.71 | | | 1501.0 | 574 | | 88 | 5 | | | | |
| OBS | 388 | 11.02 | | 34.989 | 26.78 | | | 1500.4 | 572 | | 112 | 6 | | | | |
| OBS | 484 | 10.42 | | 34.898 | 26.82 | | | 1499.7 | 567 | 77 | 144 | 5 | | | | |
| OBS | 730 | 8.65 | | 34.634 | 26.91 | | | 1497.0 | 555 | 107 | 187 | 8 | | | | |
| OBS | 977 | 5.46 | | 34.397 | 27.17 | | | 1488.3 | 474 | 215 | 275 | 28 | | | | |
| OBS | 1216 | 3.76 | | 34.407 | 27.36 | | | 1485.3 | 449 | 222 | 338 | 51 | | | | |
| OBS | 1461 | 3.14 | | 34.520 | 27.51 | | | 1486.9 | 401 | 229 | 316 | 69 | | | | |
| OBS | 1707 | 2.79 | | 34.613 | 27.62 | | | 1489.7 | 381 | | 297 | 67 | | | | |
| OBS | 1952 | 2.56 | | 34.676 | 27.69 | | | 1493.0 | 439C | 232 | 327 | 91 | | | | |
| OBS | 2198 | 2.32 | | 34.713 | 27.74 | | | 1496.2 | | 216 | 328 | 94 | | | | |
| OBS | 2444 | 2.11 | | 34.736 | 27.77 | | | 1499.5 | 439 | 216 | 273 | 81 | | | | |
| OBS | 2690 | 1.89 | | 34.743 | 27.80 | | | 1502.8 | 476 | 193 | 308 | 96 | | | | |
| OBS | 2935 | 1.60 | | 34.735 | 27.81 | | | 1505.8 | 480 | | 293 | 101 | | | | |
| OBS | 3422 | 1.20 | | 34.714 | 27.82 | | | 1512.6 | 497 | 199 | 284 | 98 | | | | |
| ISL | 0 | 15.14 | | 35.568 | 26.40 | 164.00 | 0.000 | 1508.5 | | | | | | | | |
| ISL | 10 | 15.23 | | 35.568 | 26.38 | 166.18 | 0.017 | 1509.0 | | | | | | | | |
| ISL | 20 | 15.30 | | 35.566 | 26.36 | 168.20 | 0.033 | 1509.4 | | | | | | | | |
| ISL | 30 | 15.35 | | 35.563 | 26.34 | 169.85 | 0.050 | 1509.7 | | | | | | | | |
| ISL | 50 | 15.38 | | 35.551 | 26.33 | 171.89 | 0.084 | 1510.1 | | | | | | | | |
| ISL | 75 | 15.28 | | 35.528 | 26.33 | 172.16 | 0.127 | 1510.2 | | | | | | | | |
| ISL | 100 | 15.02 | | 35.494 | 26.37 | 169.84 | 0.170 | 1509.7 | | | | | | | | |
| ISL | 125 | 14.58 | | 35.448 | 26.43 | 164.79 | 0.212 | 1508.7 | | | | | | | | |
| ISL | 150 | 13.92 | | 35.393 | 26.52 | 156.02 | 0.252 | 1506.9 | | | | | | | | |
| ISL | 200 | 12.48 | | 35.199 | 26.67 | 143.27 | 0.327 | 1502.6 | | | | | | | | |
| ISL | 250 | 12.18 | | 35.151 | 26.69 | 142.56 | 0.398 | 1502.4 | | | | | | | | |
| ISL | 300 | 11.56 | | 35.035 | 26.72 | 140.82 | 0.469 | 1500.9 | | | | | | | | |
| ISL | 400 | 10.95 | | 34.979 | 26.79 | 136.10 | 0.608 | 1500.3 | | | | | | | | |
| ISL | 500 | 10.32 | | 34.882 | 26.82 | 134.40 | 0.743 | 1499.6 | | | | | | | | |
| ISL | 600 | 9.65 | | 34.774 | 26.85 | 132.89 | 0.876 | 1498.7 | | | | | | | | |
| ISL | 700 | 8.93 | | 34.665 | 26.89 | 130.87 | 1.008 | 1497.5 | | | | | | | | |
| ISL | 800 | 7.85 | | 34.563 | 26.97 | 122.86 | 1.135 | 1495.0 | | | | | | | | |
| ISL | 900 | 6.35 | | 34.459 | 27.10 | 109.64 | 1.251 | 1490.7 | | | | | | | | |
| ISL | 1000 | 5.24 | | 34.389 | 27.19 | 100.66 | 1.357 | 1487.7 | | | | | | | | |
| ISL | 1100 | 4.43 | | 34.373 | 27.26 | 92.36 | 1.453 | 1486.1 | | | | | | | | |
| ISL | 1200 | 3.84 | | 34.403 | 27.35 | 83.59 | 1.541 | 1485.3 | | | | | | | | |
| ISL | 1300 | 3.44 | | 34.447 | 27.42 | 76.29 | 1.621 | 1485.4 | | | | | | | | |
| ISL | 1400 | 3.26 | | 34.493 | 27.48 | 71.37 | 1.695 | 1486.3 | | | | | | | | |
| ISL | 1500 | 3.07 | | 34.537 | 27.53 | 66.59 | 1.764 | 1487.3 | | | | | | | | |
| ISL | 1750 | 2.75 | | 34.626 | 27.63 | 57.63 | 1.919 | 1490.3 | | | | | | | | |
| ISL | 2000 | 2.51 | | 34.685 | 27.70 | 51.75 | 2.056 | 1493.6 | | | | | | | | |
| ISL | 2250 | 2.28 | | 34.719 | 27.75 | 47.43 | 2.180 | 1496.9 | | | | | | | | |
| ISL | 2500 | 2.06 | | 34.739 | 27.78 | 44.30 | 2.294 | 1500.3 | | | | | | | | |
| ISL | 2750 | 1.83 | | 34.742 | 27.80 | 41.87 | 2.402 | 1503.6 | | | | | | | | |
| ISL | 3000 | 1.54 | | 34.733 | 27.81 | 39.45 | 2.504 | 1506.7 | | | | | | | | |
| ISL | 3250 | 1.32 | | 34.723 | 27.82 | 37.81 | 2.600 | 1510.1 | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 48 | 1334 | 0 | | 28 | 7 | 71 | 8.6 | 3953.3S | 8524.9E | 435 | 3414 | 8.4 | | 196 | 184 | 24 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 11.80 | 34.989 | 26.64 | | | 1496.8 | 611 | 39 | 66 | 2 | | | | | |
| OBS | 83 | 11.72 | 34.987 | 26.65 | | | 1497.9 | | | | | | | | | |
| OBS | 105Q | 11.74 | 34.988 | 26.65 | | | 1498.3 | 734C | 38 | 68 | 2 | | | | | |
| OBS | 143 | 11.74 | 34.985 | 26.65 | | | 1498.9 | 619 | 38 | 68 | 2 | | | | | |
| OBS | 181 | 11.76 | 34.987 | 26.64 | | | 1499.6 | | | | | | | | | |
| OBS | 190 | 11.75 | 34.988 | 26.65 | | | 1499.7 | 626 | 35 | 62 | 2 | | | | | |
| OBS | 195C | 11.73 | 34.985 | 26.65 | | | 1499.7 | 641 | 38 | 70 | 2 | | | | | |
| OBS | 203C | 11.71 | 34.985 | 26.65 | | | 1499.8 | 62C | 38 | 68 | 2 | | | | | |
| OBS | 278 | 11.51 | 34.991 | 26.69 | | | 1500.3 | | | | | | | | | |
| OBS | 459 | 10.83 | 34.88C | 26.73 | | | 150C.7 | | | | | | | | | |
| OBS | 466 | 10.82 | 34.879 | 26.73 | | | 150C.8 | 583 | 62 | 117 | 4 | | | | | |
| OBS | 650 | 10.00 | 34.806 | 26.82 | | | 150C.8 | | | | | | | | | |
| OBS | 733 | 9.12 | 34.702 | 26.89 | | | 1498.8 | 532 | 95 | 170 | 7 | | | | | |
| OBS | 978 | 6.12 | 34.434 | 27.11 | | | 1490.9 | 516 | 155 | 268 | 19 | | | | | |
| OBS | 1223 | 4.03 | 34.348 | 27.29 | | | 1486.3 | 5C9 | 194 | 295 | 34 | | | | | |
| OBS | 1469 | 3.13 | 34.444 | 27.45 | | | 1486.8 | 446 | 18C | 305 | 42 | | | | | |
| OBS | 1715 | 2.78 | 34.558 | 27.57 | | | 1489.6 | 413 | 192 | 289 | 61 | | | | | |
| OBS | 1912 | 2.65 | 34.634 | 27.65 | | | 1492.5 | 411 | 218 | 333 | 77 | | | | | |
| OBS | 1952 | 2.60 | 34.643 | 27.66 | | | 1492.9 | | | | | | | | | |
| OBS | 2162 | 2.44 | 34.696 | 27.71 | | | 1495.9 | 445 | 201 | 298 | 77 | | | | | |
| OBS | 2411 | 2.24 | 34.735 | 27.76 | | | 1499.3 | 462 | 188 | 301 | 80 | | | | | |
| OBS | 2661 | 2.02 | 34.745 | 27.79 | | | 1502.7 | 476 | 177 | 282 | 80 | | | | | |
| OBS | 2911 | 1.75 | 34.741 | 27.81 | | | 1505.8 | 481 | 192 | 303 | 97 | | | | | |
| OBS | 3256 | 1.46 | 34.728 | 27.82 | | | 151C.5 | 496 | 179 | 277 | 97 | | | | | |
| ISL | 0 | 11.80 | 34.989 | 26.64 | 141.10 | 0.000 | 1496.8 | | | | | | | | | |
| ISL | 10 | 11.78 | 34.989 | 26.64 | 141.05 | 0.014 | 1496.9 | | | | | | | | | |
| ISL | 20 | 11.77 | 34.989 | 26.64 | 141.04 | C.028 | 1497.0 | | | | | | | | | |
| ISL | 30 | 11.75 | 34.988 | 26.65 | 141.01 | C.042 | 1497.1 | | | | | | | | | |
| ISL | 50 | 11.73 | 34.988 | 26.65 | 141.20 | C.C71 | 1497.3 | | | | | | | | | |
| ISL | 75 | 11.72 | 34.987 | 26.65 | 141.67 | C.106 | 1497.7 | | | | | | | | | |
| ISL | 100 | 11.74 | 34.988 | 26.65 | 142.50 | C.141 | 1498.2 | | | | | | | | | |
| ISL | 125 | 11.74 | 34.986 | 26.65 | 143.27 | 0.177 | 1498.6 | | | | | | | | | |
| ISL | 150 | 11.74 | 34.985 | 26.65 | 144.06 | C.213 | 1499.0 | | | | | | | | | |
| ISL | 200 | 11.72 | 34.985 | 26.65 | 144.85 | C.285 | 1499.7 | | | | | | | | | |
| ISL | 250 | 11.59 | 34.988 | 26.68 | 143.52 | C.357 | 150C.1 | | | | | | | | | |
| ISL | 300 | 11.44 | 34.983 | 26.7C | 142.31 | C.429 | 150C.4 | | | | | | | | | |
| ISL | 400 | 11.05 | 34.908 | 26.71 | 143.23 | 0.572 | 150C.6 | | | | | | | | | |
| ISL | 500 | 10.76 | 34.874 | 26.74 | 142.77 | C.715 | 1501.1 | | | | | | | | | |
| ISL | 600 | 10.37 | 34.845 | 26.79 | 140.15 | C.856 | 1501.3 | | | | | | | | | |
| ISL | 700 | 9.50 | 34.744 | 26.86 | 134.62 | C.993 | 1499.7 | | | | | | | | | |
| ISL | 800 | 8.34 | 34.623 | 26.95 | 126.23 | 1.124 | 1496.9 | | | | | | | | | |
| ISL | 900 | 7.08 | 34.503 | 27.04 | 117.02 | 1.245 | 1493.5 | | | | | | | | | |
| ISL | 1000 | 5.89 | 34.419 | 27.13 | 107.34 | 1.358 | 1490.3 | | | | | | | | | |
| ISL | 1100 | 4.95 | 34.368 | 27.2C | 99.36 | 1.461 | 1488.1 | | | | | | | | | |
| ISL | 1200 | 4.18 | 34.348 | 27.27 | 91.90 | 1.557 | 1486.6 | | | | | | | | | |
| ISL | 1300 | 3.64 | 34.371 | 27.34 | 84.33 | 1.645 | 1486.0 | | | | | | | | | |
| ISL | 1400 | 3.29 | 34.414 | 27.41 | 77.59 | 1.726 | 1486.3 | | | | | | | | | |
| ISL | 1500 | 3.06 | 34.457 | 27.47 | 72.29 | 1.801 | 1487.0 | | | | | | | | | |
| ISL | 1750 | 2.75 | 34.573 | 27.59 | 61.50 | 1.968 | 149C.0 | | | | | | | | | |
| ISL | 2000 | 2.56 | 34.654 | 27.67 | 54.60 | 2.113 | 1493.6 | | | | | | | | | |
| ISL | 2250 | 2.37 | 34.713 | 27.73 | 49.15 | 2.243 | 1497.1 | | | | | | | | | |
| ISL | 2500 | 2.17 | 34.741 | 27.77 | 45.51 | 2.361 | 150C.5 | | | | | | | | | |
| ISL | 2750 | 1.93 | 34.745 | 27.79 | 43.06 | 2.472 | 1503.8 | | | | | | | | | |
| ISL | 3000 | 1.67 | 34.739 | 27.81 | 40.84 | 2.577 | 1507.0 | | | | | | | | | |
| ISL | 3250 | 1.46 | 34.728 | 27.82 | 39.41 | 2.677 | 1510.4 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 48 | 1335 | 0 | | 29 | 7 | 71 | 15.1 | 3906.2S | 8210.5E | 435 | 3500 | 11.2 | | 215 | 213 | 17 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 12.39 | 35.065 | 26.58 | | | 1498.9 | 587 | 43 | 65 | 2 | | | | | |
| OBS | 96 | 12.38 | 35.059 | 26.58 | | | 1500.4 | 592 | 42 | 60 | 2 | | | | | |
| OBS | 193 | 12.43 | 35.064 | 26.57 | | | 1502.2 | 591 | 43 | 66 | 2 | | | | | |
| OBS | 290 | 12.33 | 35.068 | 26.60 | | | 1503.5 | 563 | 51 | 78 | 3 | | | | | |
| OBS | 388 | 11.57 | 34.975 | 26.67 | | | 1502.3 | 535 | 64 | 108 | 4 | | | | | |
| OBS | 486 | 10.77 | 34.870 | 26.73 | | | 1501.0 | 519 | 77 | 134 | 5 | | | | | |
| OBS | 732 | 7.98 | 34.572 | 26.96 | | | 1494.4 | 487 | 128 | 214 | 12 | | | | | |
| OBS | 980 | 5.07 | 34.358 | 27.18 | | | 1486.7 | 498 | 178 | 273 | 25 | | | | | |
| OBS | 1187 | 3.73 | 34.345 | 27.32 | | | 1484.5 | 491 | 200 | 288 | 36 | | | | | |
| OBS | 1435 | 2.98 | 34.451 | 27.47 | | | 1485.7 | 441 | 198 | 273 | 49 | | | | | |
| OBS | 1685 | 2.70 | 34.571 | 27.59 | | | 1488.8 | 416 | 232 | 339 | 69 | | | | | |
| OBS | 1934 | 2.53 | 34.650 | 27.67 | | | 1492.5 | 419 | 210 | 316 | 74 | | | | | |
| OBS | 2184 | 2.40 | 34.705 | 27.72 | | | 1496.2 | 441 | 191 | 311 | 78 | | | | | |
| OBS | 2434 | 2.14 | 34.727 | 27.76 | | | 1499.4 | 451 | 194 | 311 | 77 | | | | | |
| OBS | 2684 | 1.87 | 34.737 | 27.79 | | | 1502.6 | | | 258 | 78 | | | | | |
| OBS | 2934 | 1.63 | 34.728 | 27.80 | | | 1505.9 | 4600 | 183 | 275 | 84 | | | | | |
| OBS | 3409 | 1.34 | 34.716 | 27.82 | | | 1512.9 | 478 | 196 | 304 | 108 | | | | | |
| ISL | 0 | 12.39 | 35.065 | 26.58 | 146.28 | 0.000 | 1498.9 | | | | | | | | | |
| ISL | 10 | 12.39 | 35.064 | 26.58 | 146.60 | 0.015 | 1499.1 | | | | | | | | | |
| ISL | 20 | 12.39 | 35.063 | 26.58 | 146.90 | 0.029 | 1499.2 | | | | | | | | | |
| ISL | 30 | 12.39 | 35.062 | 26.58 | 147.20 | 0.044 | 1499.4 | | | | | | | | | |
| ISL | 50 | 12.38 | 35.061 | 26.58 | 147.80 | 0.074 | 1499.7 | | | | | | | | | |
| ISL | 75 | 12.38 | 35.060 | 26.58 | 148.44 | 0.111 | 1500.1 | | | | | | | | | |
| ISL | 100 | 12.38 | 35.059 | 26.58 | 149.13 | 0.148 | 1500.5 | | | | | | | | | |
| ISL | 125 | 12.39 | 35.060 | 26.58 | 149.85 | 0.185 | 1500.9 | | | | | | | | | |
| ISL | 150 | 12.40 | 35.062 | 26.58 | 150.61 | 0.223 | 1501.4 | | | | | | | | | |
| ISL | 200 | 12.43 | 35.064 | 26.57 | 152.23 | 0.298 | 1502.3 | | | | | | | | | |
| ISL | 250 | 12.42 | 35.067 | 26.58 | 153.24 | 0.375 | 1503.1 | | | | | | | | | |
| ISL | 300 | 12.27 | 35.062 | 26.60 | 152.00 | 0.451 | 1503.4 | | | | | | | | | |
| ISL | 400 | 11.47 | 34.963 | 26.68 | 146.88 | 0.601 | 1502.2 | | | | | | | | | |
| ISL | 500 | 10.64 | 34.854 | 26.75 | 142.06 | 0.745 | 1500.7 | | | | | | | | | |
| ISL | 600 | 9.51 | 34.737 | 26.85 | 133.24 | 0.883 | 1498.1 | | | | | | | | | |
| ISL | 700 | 8.35 | 34.608 | 26.93 | 125.67 | 1.012 | 1495.3 | | | | | | | | | |
| ISL | 800 | 7.19 | 34.500 | 27.02 | 117.39 | 1.134 | 1492.3 | | | | | | | | | |
| ISL | 900 | 6.01 | 34.407 | 27.11 | 108.59 | 1.247 | 1489.2 | | | | | | | | | |
| ISL | 1000 | 4.90 | 34.351 | 27.19 | 99.04 | 1.350 | 1486.3 | | | | | | | | | |
| ISL | 1100 | 4.19 | 34.334 | 27.26 | 92.14 | 1.446 | 1485.0 | | | | | | | | | |
| ISL | 1200 | 3.67 | 34.348 | 27.32 | 85.63 | 1.535 | 1484.5 | | | | | | | | | |
| ISL | 1300 | 3.29 | 34.389 | 27.39 | 78.69 | 1.617 | 1484.6 | | | | | | | | | |
| ISL | 1400 | 3.05 | 34.435 | 27.45 | 73.15 | 1.693 | 1485.3 | | | | | | | | | |
| ISL | 1500 | 2.86 | 34.481 | 27.51 | 68.15 | 1.764 | 1486.3 | | | | | | | | | |
| ISL | 1750 | 2.65 | 34.595 | 27.62 | 58.63 | 1.922 | 1489.7 | | | | | | | | | |
| ISL | 2000 | 2.49 | 34.667 | 27.69 | 52.75 | 2.061 | 1493.4 | | | | | | | | | |
| ISL | 2250 | 2.34 | 34.713 | 27.74 | 48.64 | 2.188 | 1497.1 | | | | | | | | | |
| ISL | 2500 | 2.07 | 34.731 | 27.77 | 44.95 | 2.305 | 1500.3 | | | | | | | | | |
| ISL | 2750 | 1.80 | 34.735 | 27.80 | 42.09 | 2.414 | 1503.4 | | | | | | | | | |
| ISL | 3000 | 1.58 | 34.726 | 27.81 | 40.45 | 2.517 | 1506.8 | | | | | | | | | |
| ISL | 3250 | 1.41 | 34.720 | 27.81 | 39.28 | 2.617 | 1510.4 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 48 | 1336 | 0 | | 30 | 7 | 71 | 17.8 | 3832.6S | 7954.2E | 436 | 3293 | 11.4 | | 295 | 263 | 17 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 12.66 | 35.113 | 26.57 | | | 1499.9 | 652 | 30 | 53 | 2 | | | | | |
| OBS | 183 | 12.69 | 35.108 | 26.56 | | | 1503.0 | 628 | 30 | 53 | 2 | | | | | |
| OBS | 274 | 12.23 | 35.086 | 26.63 | | | 1502.9 | 581 | 47 | 84 | 3 | | | | | |
| OBS | 367 | 11.76 | 35.019 | 26.67 | | | 1502.7 | 607 | 51 | 93 | 2 | | | | | |
| OBS | 462 | 11.39 | 34.969 | 26.70 | | | 1502.9 | 630 | 71 | 99 | 3 | | | | | |
| OBS | 560 | 10.95 | 34.906 | 26.73 | | | 1502.9 | 578 | 71 | 118 | 4 | | | | | |
| OBS | 756 | 9.25 | 34.702 | 26.86 | | | 1499.7 | 524 | 101 | 175 | 4 | | | | | |
| OBS | 877 | 7.45 | 34.525 | 27.00 | | | 1494.7 | 505 | 152 | 230 | 14 | | | | | |
| OBS | 954 | 6.69 | 34.462 | 27.06 | | | 1492.9 | 533 | 147 | 239 | 16 | | | | | |
| OBS | 1122 | 4.70 | 34.345 | 27.21 | | | 1487.5 | 511 | 179 | 285 | 27 | | | | | |
| OBS | 1367 | 3.37 | 34.377 | 27.38 | | | 1486.1 | | 207 | 319 | 45 | | | | | |
| OBS | 1613 | 2.87 | 34.500 | 27.52 | | | 1488.2 | 434 | 203 | 320 | 56 | | | | | |
| OBS | 1858 | 2.62 | 34.613 | 27.63 | | | 1491.5 | 435 | 208 | 320 | 71 | | | | | |
| OBS | 2104 | 2.47 | 34.678 | 27.70 | | | 1495.1 | 446 | 203 | 302 | 74 | | | | | |
| OBS | 2350 | 2.25 | 34.722 | 27.75 | | | 1498.4 | | 173 | 299 | 72 | | | | | |
| OBS | 2595 | 2.04 | 34.731 | 27.77 | | | 1501.7 | 474 | 190 | 292 | 84 | | | | | |
| OBS | 2915 | 1.73 | 34.728 | 27.80 | | | 1505.9 | 482 | 1610 | 300 | 810 | | | | | |
| ISL | 0 | 12.66 | 35.113 | 26.57 | 147.82 | 0.000 | 1499.9 | | | | | | | | | |
| ISL | 10 | 12.69 | 35.114 | 26.56 | 148.48 | 0.015 | 1500.1 | | | | | | | | | |
| ISL | 20 | 12.71 | 35.115 | 26.56 | 149.18 | 0.030 | 1500.4 | | | | | | | | | |
| ISL | 30 | 12.74 | 35.116 | 26.55 | 149.81 | 0.045 | 1500.6 | | | | | | | | | |
| ISL | 50 | 12.78 | 35.118 | 26.55 | 150.95 | 0.075 | 1501.1 | | | | | | | | | |
| ISL | 75 | 12.80 | 35.119 | 26.54 | 152.09 | 0.113 | 1501.6 | | | | | | | | | |
| ISL | 100 | 12.81 | 35.118 | 26.54 | 152.93 | 0.151 | 1502.0 | | | | | | | | | |
| ISL | 125 | 12.80 | 35.117 | 26.54 | 153.47 | 0.189 | 1502.4 | | | | | | | | | |
| ISL | 150 | 12.76 | 35.114 | 26.55 | 153.71 | 0.227 | 1502.7 | | | | | | | | | |
| ISL | 200 | 12.60 | 35.106 | 26.57 | 152.52 | 0.304 | 1502.9 | | | | | | | | | |
| ISL | 250 | 12.35 | 35.095 | 26.61 | 149.80 | 0.380 | 1502.9 | | | | | | | | | |
| ISL | 300 | 12.10 | 35.067 | 26.64 | 148.33 | 0.454 | 1502.8 | | | | | | | | | |
| ISL | 400 | 11.63 | 35.001 | 26.68 | 146.93 | 0.602 | 1502.8 | | | | | | | | | |
| ISL | 500 | 11.23 | 34.947 | 26.71 | 145.94 | 0.748 | 1502.9 | | | | | | | | | |
| ISL | 600 | 10.70 | 34.873 | 26.75 | 143.98 | 0.893 | 1502.6 | | | | | | | | | |
| ISL | 700 | 9.87 | 34.771 | 26.81 | 139.03 | 1.035 | 1501.1 | | | | | | | | | |
| ISL | 800 | 8.62 | 34.642 | 26.92 | 129.35 | 1.169 | 1498.0 | | | | | | | | | |
| ISL | 900 | 7.23 | 34.502 | 27.02 | 119.29 | 1.293 | 1494.1 | | | | | | | | | |
| ISL | 1000 | 6.18 | 34.427 | 27.10 | 110.94 | 1.408 | 1491.6 | | | | | | | | | |
| ISL | 1100 | 4.93 | 34.355 | 27.19 | 100.15 | 1.514 | 1488.1 | | | | | | | | | |
| ISL | 1200 | 4.10 | 34.332 | 27.27 | 92.11 | 1.610 | 1486.3 | | | | | | | | | |
| ISL | 1300 | 3.60 | 34.354 | 27.34 | 85.08 | 1.699 | 1485.9 | | | | | | | | | |
| ISL | 1400 | 3.26 | 34.394 | 27.40 | 78.74 | 1.780 | 1486.2 | | | | | | | | | |
| ISL | 1500 | 3.03 | 34.444 | 27.46 | 72.91 | 1.856 | 1486.9 | | | | | | | | | |
| ISL | 1750 | 2.70 | 34.566 | 27.59 | 61.43 | 2.024 | 1489.9 | | | | | | | | | |
| ISL | 2000 | 2.54 | 34.656 | 27.67 | 54.20 | 2.169 | 1493.6 | | | | | | | | | |
| ISL | 2250 | 2.34 | 34.708 | 27.73 | 49.10 | 2.298 | 1497.1 | | | | | | | | | |
| ISL | 2500 | 2.12 | 34.730 | 27.77 | 45.74 | 2.416 | 1500.4 | | | | | | | | | |
| ISL | 2750 | 1.89 | 34.732 | 27.79 | 43.52 | 2.528 | 1503.8 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------|--------------|-----------------|----------------|----------------------------------|-------------------------------------|-----------------------------------|---------------------------|-----|-----|
| EL 48 | 1337 | 0 | | 1 | 8 | 71 | 21.5 | 3629.2S | 8002.5E | 435 | 2419 | 13.3 | | 286 | 294 | 15 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gatl}$ | NITR $10 \cdot \mu\text{gatl}$ | SILIC μgatl | | |
| OBS | 1 | 13.41 | | 35.218 | | 26.50 | | | | 1502.5 | 587 | 46 | 25 | 1 | | |
| OBS | 120 | 13.42 | | 35.218 | | 26.49 | | | | 1504.5 | 581 | 43 | 26 | 1 | | |
| OBS | 130 | 13.44 | | 35.218 | | 26.49 | | | | 1504.7 | 583 | 43 | 37 | 2 | | |
| OBS | 149 | 13.37 | | 35.210 | | 26.50 | | | | 1504.8 | 571 | | | | | |
| OBS | 199 | 12.51 | | 35.144 | | 26.62 | | | | 1502.7 | 548 | 62 | 64 | 3 | | |
| OBS | 297 | 11.97 | | 35.075 | | 26.67 | | | | 1502.3 | 546 | | | | | |
| OBS | 395 | 11.55 | | 35.016 | | 26.71 | | | | 1502.4 | 553 | 70 | 66 | 2 | | |
| OBS | 493 | 11.10 | | 34.976 | | 26.76 | | | | 1502.4 | 547 | 73 | 75 | 3 | | |
| OBS | 742 | 9.13 | | 34.703 | | 26.88 | | | | 1499.0 | 505 | 93 | 145 | 6 | | |
| OBS | 993 | 5.84 | | 34.420 | | 27.14 | | | | 1490.0 | 477 | 117 | 183 | 10 | | |
| OBS | 1233 | 3.76 | | 34.375 | | 27.34 | | | | 1485.4 | 471 | 183 | 261 | 28 | | |
| OBS | 1478 | 3.06 | | 34.470 | | 27.48 | | | | 1486.7 | 431 | 200 | 281 | 44 | | |
| OBS | 1724 | 2.72 | | 34.587 | | 27.60 | | | | 1489.5 | 409 | | | | | |
| OBS | 1971 | 2.49 | | 34.680 | | 27.70 | | | | 1492.9 | 427 | 120Q | 153Q | 24Q | | |
| OBS | 2292 | 2.17 | | 34.732 | | 27.77 | | | | 1497.0 | 446 | 157Q | 241Q | 57Q | | |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | 13.41 | | 35.218 | | 26.50 | 154.47 | 0.000 | | 1502.5 | | | | | | |
| ISL | 10 | 13.41 | | 35.218 | | 26.50 | 154.78 | 0.015 | | 1502.7 | | | | | | |
| ISL | 20 | 13.41 | | 35.218 | | 26.50 | 155.08 | 0.031 | | 1502.8 | | | | | | |
| ISL | 30 | 13.41 | | 35.218 | | 26.50 | 155.39 | 0.046 | | 1503.0 | | | | | | |
| ISL | 50 | 13.42 | | 35.218 | | 26.49 | 156.00 | 0.078 | | 1503.4 | | | | | | |
| ISL | 75 | 13.42 | | 35.218 | | 26.49 | 156.76 | 0.117 | | 1503.8 | | | | | | |
| ISL | 100 | 13.42 | | 35.218 | | 26.49 | 157.48 | 0.156 | | 1504.2 | | | | | | |
| ISL | 125 | 13.43 | | 35.218 | | 26.49 | 158.32 | 0.195 | | 1504.6 | | | | | | |
| ISL | 150 | 13.36 | | 35.209 | | 26.50 | 158.27 | 0.235 | | 1504.8 | | | | | | |
| ISL | 200 | 12.50 | | 35.143 | | 26.62 | 147.78 | 0.312 | | 1502.6 | | | | | | |
| ISL | 250 | 12.20 | | 35.105 | | 26.65 | 146.14 | 0.385 | | 1502.4 | | | | | | |
| ISL | 300 | 11.96 | | 35.073 | | 26.67 | 145.26 | 0.458 | | 1502.3 | | | | | | |
| ISL | 400 | 11.53 | | 35.014 | | 26.71 | 144.14 | 0.603 | | 1502.4 | | | | | | |
| ISL | 500 | 11.06 | | 34.971 | | 26.76 | 141.08 | 0.745 | | 1502.3 | | | | | | |
| ISL | 600 | 10.41 | | 34.861 | | 26.79 | 139.64 | 0.886 | | 1501.5 | | | | | | |
| ISL | 700 | 9.55 | | 34.750 | | 26.85 | 135.00 | 1.023 | | 1499.9 | | | | | | |
| ISL | 800 | 8.46 | | 34.638 | | 26.94 | 126.93 | 1.154 | | 1497.3 | | | | | | |
| ISL | 900 | 6.98 | | 34.524 | | 27.07 | 113.94 | 1.274 | | 1493.1 | | | | | | |
| ISL | 1000 | 5.76 | | 34.416 | | 27.14 | 105.83 | 1.384 | | 1489.8 | | | | | | |
| ISL | 1100 | 4.76 | | 34.377 | | 27.23 | 96.31 | 1.485 | | 1487.4 | | | | | | |
| ISL | 1200 | 3.97 | | 34.371 | | 27.31 | 87.63 | 1.577 | | 1485.7 | | | | | | |
| ISL | 1300 | 3.43 | | 34.392 | | 27.38 | 80.25 | 1.661 | | 1485.2 | | | | | | |
| ISL | 1400 | 3.22 | | 34.436 | | 27.44 | 75.11 | 1.739 | | 1486.0 | | | | | | |
| ISL | 1500 | 3.02 | | 34.480 | | 27.49 | 70.13 | 1.811 | | 1486.9 | | | | | | |
| ISL | 1750 | 2.70 | | 34.598 | | 27.61 | 59.00 | 1.973 | | 1489.9 | | | | | | |
| ISL | 2000 | 2.46 | | 34.688 | | 27.71 | 50.91 | 2.110 | | 1493.2 | | | | | | |
| ISL | 2250 | 2.21 | | 34.729 | | 27.76 | 45.87 | 2.231 | | 1496.5 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|------------------------|----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|-----|
| EL 48 | 1338 | 0 | | 3 | 8 | 71 | 8.2 | 3454.5S | 8404.5E | 435 | 3785 | 11.0 | | 86 | 104 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² .ml/l | PHOS 10 ² .µgat/l | NITR 10.µgat/l | SILIC µgat/l | | | |
| OBS | 1 | 13.30 | 35.155 | | 26.47 | | | | 1502.1 | 583 | 32 | | 1 | | | |
| OBS | 89 | 13.09 | 35.101 | | 26.47 | | | | 1502.8 | | | | | | | |
| OBS | 98 | 12.82 | 35.072 | | 26.50 | | | | 1502.0 | | 37 | | 1 | | | |
| OBS | 146 | 12.16 | 35.078 | | 26.64 | | | | 1500.5 | 548 | 47 | | 2 | | | |
| OBS | 175 | 12.01 | 35.064 | | 26.66 | | | | 1500.5 | 545 | 44 | | 1 | | | |
| OBS | 182 | 12.03 | 35.061 | | 26.65 | | | | 1500.6 | | | | | | | |
| OBS | 194 | 11.91 | 35.051 | | 26.66 | | | | 1500.4 | 535 | 50 | | 3 | | | |
| OBS | 277 | 11.59 | 35.008 | | 26.69 | | | | 1500.6 | | | | | | | |
| OBS | 291 | 11.54 | 35.004 | | 26.70 | | | | 1500.7 | 565 | 56 | | 3 | | | |
| OBS | 389 | 11.11 | 34.945 | | 26.73 | | | | 1500.7 | 558 | 52 | | 2 | | | |
| OBS | 469 | 10.98 | 34.948 | | 26.76 | | | | 1501.5 | | | | | | | |
| OBS | 486 | 10.86 | 34.931 | | 26.77 | | | | 1501.4 | 546 | 58 | | 2 | | | |
| OBS | 582Q | 9.82 | 34.800 | | 26.85 | | | | 1499.0 | | | | | | | |
| OBS | 733 | 9.38 | 34.738 | | 26.87 | | | | 1499.8 | 532 | 73 | | 3 | | | |
| OBS | 975 | 6.02 | 34.433 | | 27.12 | | | | 1490.5 | 473 | 115 | | 9 | | | |
| OBS | 1216 | 3.81 | 34.369 | | 27.33 | | | | 1485.3 | 467 | 157 | | 27 | | | |
| OBS | 1459 | 3.10 | 34.484 | | 27.49 | | | | 1486.6 | 408 | 169 | | 37 | | | |
| OBS | 1703 | 2.69 | 34.592 | | 27.61 | | | | 1489.1 | 402 | 156 | | 36Q | | | |
| OBS | 1858 | 2.60 | 34.645 | | 27.66 | | | | 1491.4 | 399 | 153 | | 40Q | | | |
| OBS | 2099 | 2.37 | 34.711 | | 27.73 | | | | 1494.6 | 424 | 201 | | 78 | | | |
| OBS | 2339 | 2.18 | 34.738 | | 27.77 | | | | 1497.9 | 440 | 184 | | 80 | | | |
| OBS | 2820 | 1.61 | 34.743 | | 27.82 | | | | 1503.7 | 472 | 138Q | | 61Q | | | |
| OBS | 3420 | 1.28 | 34.729 | | 27.83 | | | | 1512.7 | 477 | 147Q | | 60Q | | | |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | 13.30 | 35.155 | | 26.47 | | 156.95 | 0.000 | 1502.1 | | | | | | | |
| ISL | 10 | 13.38 | 35.148 | | 26.45 | | 159.31 | 0.016 | 1502.5 | | | | | | | |
| ISL | 20 | 13.45 | 35.142 | | 26.43 | | 161.35 | 0.032 | 1502.9 | | | | | | | |
| ISL | 30 | 13.48 | 35.136 | | 26.42 | | 162.80 | 0.048 | 1503.1 | | | | | | | |
| ISL | 50 | 13.47 | 35.124 | | 26.41 | | 163.88 | 0.081 | 1503.4 | | | | | | | |
| ISL | 75 | 13.28 | 35.110 | | 26.44 | | 161.92 | 0.121 | 1503.2 | | | | | | | |
| ISL | 100 | 12.78 | 35.070 | | 26.51 | | 155.79 | 0.161 | 1501.8 | | | | | | | |
| ISL | 125 | 12.34 | 35.079 | | 26.60 | | 147.55 | 0.199 | 1500.8 | | | | | | | |
| ISL | 150 | 12.12 | 35.076 | | 26.64 | | 144.33 | 0.236 | 1500.4 | | | | | | | |
| ISL | 200 | 11.87 | 35.047 | | 26.67 | | 143.18 | 0.307 | 1500.4 | | | | | | | |
| ISL | 250 | 11.69 | 35.018 | | 26.68 | | 143.11 | 0.379 | 1500.5 | | | | | | | |
| ISL | 300 | 11.50 | 35.000 | | 26.70 | | 142.30 | 0.450 | 1500.7 | | | | | | | |
| ISL | 400 | 11.08 | 34.943 | | 26.74 | | 141.19 | 0.592 | 1500.7 | | | | | | | |
| ISL | 500 | 10.73 | 34.914 | | 26.78 | | 139.33 | 0.732 | 1501.1 | | | | | | | |
| ISL | 600 | 9.70 | 34.785 | | 26.85 | | 132.99 | 0.869 | 1498.9 | | | | | | | |
| ISL | 700 | 9.57 | 34.759 | | 26.86 | | 134.75 | 1.002 | 1500.0 | | | | | | | |
| ISL | 800 | 8.47 | 34.671 | | 26.96 | | 124.78 | 1.132 | 1497.4 | | | | | | | |
| ISL | 900 | 6.95 | 34.514 | | 27.06 | | 114.38 | 1.252 | 1493.0 | | | | | | | |
| ISL | 1000 | 5.73 | 34.416 | | 27.15 | | 105.29 | 1.362 | 1489.7 | | | | | | | |
| ISL | 1100 | 4.71 | 34.373 | | 27.23 | | 95.87 | 1.462 | 1487.1 | | | | | | | |
| ISL | 1200 | 3.91 | 34.367 | | 27.31 | | 87.20 | 1.554 | 1485.5 | | | | | | | |
| ISL | 1300 | 3.45 | 34.408 | | 27.39 | | 79.20 | 1.637 | 1485.2 | | | | | | | |
| ISL | 1400 | 3.23 | 34.457 | | 27.45 | | 73.78 | 1.713 | 1486.1 | | | | | | | |
| ISL | 1500 | 3.01 | 34.503 | | 27.51 | | 68.32 | 1.784 | 1486.9 | | | | | | | |
| ISL | 1750 | 2.67 | 34.609 | | 27.63 | | 57.84 | 1.942 | 1489.8 | | | | | | | |
| ISL | 2000 | 2.46 | 34.688 | | 27.71 | | 50.84 | 2.078 | 1493.2 | | | | | | | |
| ISL | 2250 | 2.25 | 34.732 | | 27.76 | | 46.16 | 2.199 | 1496.6 | | | | | | | |
| ISL | 2500 | 2.01 | 34.746 | | 27.79 | | 43.11 | 2.311 | 1499.9 | | | | | | | |
| ISL | 2750 | 1.68 | 34.743 | | 27.81 | | 39.78 | 2.414 | 1502.8 | | | | | | | |
| ISL | 3000 | 1.48 | 34.742 | | 27.83 | | 37.92 | 2.512 | 1506.2 | | | | | | | |
| ISL | 3250 | 1.34 | 34.736 | | 27.83 | | 37.09 | 2.605 | 1510.0 | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 48 | 1339 | 0 | | 5 | 8 | 71 | 21.5 | 2957.3S | 8534.1E | 399 | 4212 | 16.7 | | 95 | 103 | 25 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgot/l | NITR 10·µgot/l | SILIC µgot/l | | | | | |
| OBS | 1 | 17.21 | 35.830 | 26.12 | | | 1515.2 | 592 | 18 | 2 | 1 | | | | | |
| OBS | 50 | 16.40C | 35.716 | 26.22Q | | | 1513.4C | 591 | 18 | 2 | 1 | | | | | |
| OBS | 85 | 16.21 | 35.703 | 26.26 | | | 1513.4 | | | | | | | | | |
| OBS | 100 | 16.23 | 35.724 | 26.27 | | | 1513.7 | 614 | 15 | 2 | 1 | | | | | |
| OBS | 150 | 14.08 | 35.373 | 26.48 | | | 1507.4 | 622 | 28 | 38 | 1 | | | | | |
| OBS | 183 | 13.24 | 35.253 | 26.56 | | | 1505.0 | | | | | | | | | |
| OBS | 200 | 13.02 | 35.229 | 26.58 | | | 1504.5 | 576 | 43 | 53 | 1 | | | | | |
| OBS | 249 | 11.88 | 35.054 | 26.67 | | | 1501.2 | 609 | 56 | 94 | 3 | | | | | |
| OBS | 282 | 11.69 | 35.023 | 26.68 | | | 1501.1 | | | | | | | | | |
| OBS | 299 | 11.66 | 35.033 | 26.70 | | | 1501.2 | 638 | 59 | 102 | 3 | | | | | |
| OBS | 399 | 11.13 | 34.996 | 26.77 | | | 1501.0 | 575 | 66 | 112 | 3 | | | | | |
| OBS | 483 | 10.65 | 34.928 | 26.80 | | | 1500.6 | | | | | | | | | |
| OBS | 498 | 10.61 | 34.929 | 26.81 | | | 1500.7 | 590 | 70 | 114 | 3 | | | | | |
| OBS | 688 | 9.33 | 34.738 | 26.88 | | | 1498.9 | | | | | | | | | |
| OBS | 745 | 8.42 | 34.628 | 26.94 | | | 1496.3 | | 110 | 178 | 9 | | | | | |
| OBS | 993 | 5.08 | 34.401 | 27.21 | | | 1487.0 | 488 | 184 | 304 | 30 | | | | | |
| OBS | 1241 | 3.66 | 34.481 | 27.43 | | | 1485.3 | 409 | 201 | 298 | 52 | | | | | |
| OBS | 1489 | 3.08 | 34.587 | 27.57 | | | 1487.2 | 408 | 231 | 355 | 78 | | | | | |
| OBS | 1737 | 2.79 | 34.677 | 27.67 | | | 1490.3 | 398 | 226 | 345 | 94 | | | | | |
| OBS | 1974 | 2.51 | 34.712 | 27.72 | | | 1493.2 | 420 | 228 | 339 | 100 | | | | | |
| OBS | 2222 | 2.19 | 34.724 | 27.76 | | | 1496.0 | 452 | 213 | 323 | 103 | | | | | |
| OBS | 2470 | 1.96 | 34.735 | 27.78 | | | 1499.3 | 465 | 218 | 332 | 107 | | | | | |
| OBS | 2967 | 1.62 | 34.733 | 27.81 | | | 1506.4 | 447C | 207 | 320 | 112 | | | | | |
| OBS | 3465 | 1.43 | 34.728 | 27.82 | | | 1514.3 | 472 | 217 | 327 | 117 | | | | | |
| OBS | 4064 | 1.33 | 34.721 | 27.82 | | | 1524.5 | 465C | 210 | 322 | 122 | | | | | |
| ISL | 0 | 17.21 | 35.830 | 26.12 | 190.44 | 0.000 | 1515.2 | | | | | | | | | |
| ISL | 10 | 17.11 | 35.800 | 26.12 | 190.66 | 0.019 | 1515.0 | | | | | | | | | |
| ISL | 20 | 17.00 | 35.772 | 26.12 | 190.58 | 0.038 | 1514.8 | | | | | | | | | |
| ISL | 30 | 16.89 | 35.748 | 26.13 | 190.07 | 0.057 | 1514.6 | | | | | | | | | |
| ISL | 50 | 16.66 | 35.716 | 26.16 | 187.98 | 0.095 | 1514.2 | | | | | | | | | |
| ISL | 75 | 16.33 | 35.699 | 26.23 | 182.46 | 0.141 | 1513.6 | | | | | | | | | |
| ISL | 100 | 16.23 | 35.724 | 26.27 | 179.31 | 0.186 | 1513.7 | | | | | | | | | |
| ISL | 125 | 15.04 | 35.527 | 26.39 | 168.68 | 0.230 | 1510.2 | | | | | | | | | |
| ISL | 150 | 14.08 | 35.373 | 26.48 | 160.72 | 0.271 | 1507.4 | | | | | | | | | |
| ISL | 200 | 13.02 | 35.229 | 26.58 | 151.54 | 0.349 | 1504.5 | | | | | | | | | |
| ISL | 250 | 11.87 | 35.052 | 26.67 | 143.95 | 0.423 | 1501.2 | | | | | | | | | |
| ISL | 300 | 11.66 | 35.033 | 26.70 | 142.66 | 0.495 | 1501.3 | | | | | | | | | |
| ISL | 400 | 11.12 | 34.995 | 26.77 | 138.12 | 0.635 | 1501.0 | | | | | | | | | |
| ISL | 500 | 10.61 | 34.929 | 26.81 | 136.02 | 0.772 | 1500.7 | | | | | | | | | |
| ISL | 600 | 10.17 | 34.872 | 26.84 | 134.71 | 0.908 | 1500.7 | | | | | | | | | |
| ISL | 700 | 9.14 | 34.716 | 26.89 | 130.57 | 1.040 | 1498.4 | | | | | | | | | |
| ISL | 800 | 7.58 | 34.545 | 27.00 | 120.02 | 1.165 | 1493.9 | | | | | | | | | |
| ISL | 900 | 6.11 | 34.443 | 27.12 | 107.46 | 1.279 | 1489.7 | | | | | | | | | |
| ISL | 1000 | 5.02 | 34.400 | 27.22 | 96.92 | 1.381 | 1486.8 | | | | | | | | | |
| ISL | 1100 | 4.26 | 34.427 | 27.33 | 86.18 | 1.473 | 1485.4 | | | | | | | | | |
| ISL | 1200 | 3.82 | 34.466 | 27.40 | 78.76 | 1.555 | 1485.3 | | | | | | | | | |
| ISL | 1300 | 3.46 | 34.505 | 27.47 | 72.25 | 1.631 | 1485.5 | | | | | | | | | |
| ISL | 1400 | 3.23 | 34.551 | 27.53 | 66.80 | 1.700 | 1486.3 | | | | | | | | | |
| ISL | 1500 | 3.07 | 34.591 | 27.58 | 62.51 | 1.765 | 1487.3 | | | | | | | | | |
| ISL | 1750 | 2.77 | 34.680 | 27.67 | 54.00 | 1.911 | 1490.4 | | | | | | | | | |
| ISL | 2000 | 2.48 | 34.714 | 27.72 | 49.21 | 2.040 | 1493.5 | | | | | | | | | |
| ISL | 2250 | 2.16 | 34.725 | 27.76 | 45.50 | 2.158 | 1496.4 | | | | | | | | | |
| ISL | 2500 | 1.94 | 34.736 | 27.79 | 42.87 | 2.269 | 1499.7 | | | | | | | | | |
| ISL | 2750 | 1.75 | 34.735 | 27.80 | 41.38 | 2.374 | 1503.2 | | | | | | | | | |
| ISL | 3000 | 1.60 | 34.733 | 27.81 | 40.33 | 2.476 | 1506.9 | | | | | | | | | |
| ISL | 3250 | 1.50 | 34.730 | 27.82 | 39.72 | 2.576 | 1510.8 | | | | | | | | | |
| ISL | 3500 | 1.42 | 34.728 | 27.82 | 39.48 | 2.675 | 1514.9 | | | | | | | | | |
| ISL | 3750 | 1.36 | 34.725 | 27.82 | 39.45 | 2.774 | 1519.0 | | | | | | | | | |
| ISL | 4000 | 1.33 | 34.722 | 27.82 | 39.80 | 2.873 | 1523.3 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|------|--|-----|-----|-----|
| EL 48 | 1340 | 0 | | 7 | 8 | 71 | 21.6 | 3158.2S | 9010.2E | 434 | 3884 | 13.9 | | 95 | 93 | 17 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | | | | |
| OBS | 1 | 16.07 | 35.725 | 26.31 | | | 1511.6 | 571 | 21 | 3 | 1 | | | | | |
| OBS | 97 | 16.00 | 35.721 | 26.32 | | | 1513.0 | 564 | 20 | 4 | 0 | | | | | |
| OBS | 121 | 14.60 | 35.609 | 26.55 | | | 1508.9 | 545 | 24 | 18 | 1 | | | | | |
| OBS | 170 | 13.34 | 35.275 | 26.55 | | | 1505.1 | 538 | 50 | 45 | 1 | | | | | |
| OBS | 195 | 12.96 | 35.228 | 26.60 | | | 1504.2 | 532 | 47 | 64 | 2 | | | | | |
| OBS | 263 | 12.27 | 35.124 | 26.65 | | | 1502.9 | 546 | 56 | 78 | 2 | | | | | |
| OBS | 292 | 11.66 | 35.035 | 26.70 | | | 1501.1 | 561 | 60 | 98 | 2 | | | | | |
| OBS | 390 | | 35.000 | | | | | 559 | 63 | 83 | 2 | | | | | |
| OBS | 488 | 10.69 | 34.941 | 26.80 | | | 1500.8 | 564 | 76 | 108 | 3 | | | | | |
| OBS | 732 | 9.07 | 34.696 | 26.89 | | | 1498.6 | 544 | 98 | 167 | 8 | | | | | |
| OBS | 975 | 5.78 | 34.420 | 27.14 | | | 1489.6 | 427 | 179 | 293 | 23 | | | | | |
| OBS | 1218 | 4.03 | 34.440 | 27.36 | | | 1486.5 | 399 | 223 | 333 | 53 | | | | | |
| OBS | 1463 | 3.37 | 34.556 | 27.52 | | | 1488.0 | 355 | 240 | 353 | 74 | | | | | |
| OBS | 1709 | 2.89 | 34.624 | 27.62 | | | 1490.2 | 369 | 233 | 341 | 84 | | | | | |
| OBS | 1957 | 2.57 | 34.680 | 27.69 | | | 1493.1 | 383 | 174 | 290Q | 58Q | | | | | |
| OBS | 2205 | 2.33 | 34.711 | 27.74 | | | 1496.4 | 400 | 153Q | 268Q | 57Q | | | | | |
| OBS | 2453 | 2.08 | 34.730 | 27.77 | | | 1499.6 | 428 | 175 | 326 | 94 | | | | | |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | 16.07 | 35.725 | 26.31 | 172.56 | 0.000 | 1511.6 | | | | | | | | | |
| ISL | 10 | 16.30 | 35.754 | 26.27 | 175.83 | 0.017 | 1512.5 | | | | | | | | | |
| ISL | 20 | 16.50 | 35.779 | 26.25 | 178.74 | 0.035 | 1513.3 | | | | | | | | | |
| ISL | 30 | 16.64 | 35.796 | 26.23 | 180.92 | 0.053 | 1513.9 | | | | | | | | | |
| ISL | 50 | 16.74 | 35.809 | 26.21 | 182.84 | 0.090 | 1514.6 | | | | | | | | | |
| ISL | 75 | 16.51 | 35.782 | 26.25 | 180.44 | 0.135 | 1514.2 | | | | | | | | | |
| ISL | 100 | 15.84 | 35.709 | 26.35 | 171.82 | 0.179 | 1512.5 | | | | | | | | | |
| ISL | 125 | 14.42 | 35.586 | 26.57 | 151.42 | 0.219 | 1508.3 | | | | | | | | | |
| ISL | 150 | 13.73 | 35.420 | 26.59 | 150.29 | 0.257 | 1506.3 | | | | | | | | | |
| ISL | 200 | 12.90 | 35.219 | 26.60 | 149.85 | 0.332 | 1504.1 | | | | | | | | | |
| ISL | 250 | 12.43 | 35.144 | 26.64 | 147.74 | 0.406 | 1503.2 | | | | | | | | | |
| ISL | 300 | 11.59 | 35.032 | 26.71 | 141.47 | 0.479 | 1501.0 | | | | | | | | | |
| ISL | 400 | 11.13 | 34.995 | 26.77 | 138.31 | 0.619 | 1501.0 | | | | | | | | | |
| ISL | 500 | 10.62 | 34.932 | 26.81 | 136.09 | 0.756 | 1500.8 | | | | | | | | | |
| ISL | 600 | 10.06 | 34.839 | 26.84 | 135.11 | 0.891 | 1500.3 | | | | | | | | | |
| ISL | 700 | 9.36 | 34.730 | 26.87 | 133.24 | 1.026 | 1499.2 | | | | | | | | | |
| ISL | 800 | 8.26 | 34.621 | 26.96 | 125.10 | 1.155 | 1496.6 | | | | | | | | | |
| ISL | 900 | 6.68 | 34.505 | 27.09 | 110.91 | 1.273 | 1492.0 | | | | | | | | | |
| ISL | 1000 | 5.54 | 34.411 | 27.17 | 103.07 | 1.380 | 1489.0 | | | | | | | | | |
| ISL | 1100 | 4.71 | 34.403 | 27.26 | 93.75 | 1.478 | 1487.3 | | | | | | | | | |
| ISL | 1200 | 4.12 | 34.435 | 27.35 | 84.72 | 1.567 | 1486.5 | | | | | | | | | |
| ISL | 1300 | 3.74 | 34.479 | 27.42 | 77.58 | 1.649 | 1486.7 | | | | | | | | | |
| ISL | 1400 | 3.52 | 34.530 | 27.48 | 71.80 | 1.723 | 1487.5 | | | | | | | | | |
| ISL | 1500 | 3.29 | 34.569 | 27.54 | 66.88 | 1.793 | 1488.3 | | | | | | | | | |
| ISL | 1750 | 2.83 | 34.634 | 27.63 | 58.01 | 1.949 | 1490.6 | | | | | | | | | |
| ISL | 2000 | 2.53 | 34.687 | 27.70 | 51.81 | 2.086 | 1493.7 | | | | | | | | | |
| ISL | 2250 | 2.29 | 34.715 | 27.74 | 47.84 | 2.211 | 1496.9 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|----|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|-----|
| EL 48 | 1341 | 0 | | 11 | 8 | 71 | 8.7 | 3033.6S | 9645.3E | 434 | 3056 | 16.0 | | 104 | 113 | 19 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | |
| OBS | 1 | 16.23 | 35.776 | | | 26.31 | | | 1512.2 | 585 | 22 | 0 | 1 | | | |
| OBS | 100 | 15.44 | 35.617 | | | 26.37 | | | 1511.2 | 558 | 27 | 8 | 1 | | | |
| OBS | 124 | 14.08 | 35.608C | | | 26.66C | | | 1507.2C | 550 | 24 | 12 | 1 | | | |
| OBS | 149 | 13.58 | 35.368 | | | 26.58 | | | 1505.7 | 550 | 40 | 49 | 1 | | | |
| OBS | 199 | 12.70 | 35.262 | | | 26.67 | | | 1503.5 | 564 | 44 | 60 | 2 | | | |
| OBS | 249 | 12.05 | 35.158 | | | 26.72 | | | 1501.9 | 553 | 52 | 72 | 2 | | | |
| OBS | 299 | 11.45 | 35.057 | | | 26.76 | | | 1500.5 | 555 | 59 | 93 | 2 | | | |
| OBS | 398 | 11.17 | 34.976 | | | 26.74 | | | 1501.1 | 547 | 63 | 89 | 2 | | | |
| OBS | 496 | 10.13 | 34.867 | | | 26.85 | | | 1498.8 | 573 | 75 | 128 | 4 | | | |
| OBS | 740 | 8.78 | 34.605 | | | 26.86 | | | 1497.5 | 526 | 118 | 205 | 10 | | | |
| OBS | 989 | 4.82 | 34.406 | | | 27.25 | | | 1485.8 | 447 | 167 | 268 | 31 | | | |
| OBS | 1238 | 3.66 | 34.506 | | | 27.45 | | | 1485.3 | 381 | 240 | 336 | 67 | | | |
| OBS | 1486 | 3.11 | 34.609 | | | 27.59 | | | 1487.2 | 351 | 222 | 330 | 78 | | | |
| OBS | 1735 | 2.73 | 34.675 | | | 27.67 | | | 1489.9 | 366 | 243 | 354 | 96 | | | |
| OBS | 1984 | 2.42 | 34.709 | | | 27.73 | | | 1492.8 | 381 | 238 | 319 | 96 | | | |
| OBS | 2234 | 2.17 | 34.724 | | | 27.76 | | | 1496.0 | 388 | 244 | 342 | 106 | | | |
| OBS | 2484 | 1.79 | 34.732 | | | 27.80 | | | 1498.7 | 411 | 205 | 303 | 102 | | | |
| OBS | 2733 | 1.68 | 34.732 | | | 27.80 | | | 1502.5 | 448C | 184 | 304 | 91C | | | |
| OBS | 2983 | 1.51 | 34.729 | | | 27.81 | | | 1506.1 | 449 | 218 | 334 | 119 | | | |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | 16.23 | 35.776 | | | 26.31 | 172.34 | 0.000 | 1512.2 | | | | | | | |
| ISL | 10 | 16.38 | 35.773 | | | 26.27 | 176.14 | 0.017 | 1512.8 | | | | | | | |
| ISL | 20 | 16.49 | 35.768 | | | 26.24 | 179.40 | 0.035 | 1513.3 | | | | | | | |
| ISL | 30 | 16.55 | 35.759 | | | 26.22 | 181.69 | 0.053 | 1513.6 | | | | | | | |
| ISL | 50 | 16.51 | 35.734 | | | 26.21 | 183.26 | 0.090 | 1513.8 | | | | | | | |
| ISL | 75 | 16.14 | 35.683 | | | 26.26 | 179.61 | 0.135 | 1513.0 | | | | | | | |
| ISL | 100 | 15.44 | 35.617 | | | 26.37 | 169.87 | 0.179 | 1511.2 | | | | | | | |
| ISL | 125 | 14.04 | 35.486 | | | 26.57 | 151.01 | 0.219 | 1507.0 | | | | | | | |
| ISL | 150 | 13.56 | 35.365 | | | 26.58 | 150.88 | 0.257 | 1505.6 | | | | | | | |
| ISL | 200 | 12.68 | 35.260 | | | 26.68 | 142.81 | 0.330 | 1503.4 | | | | | | | |
| ISL | 250 | 12.04 | 35.156 | | | 26.72 | 139.45 | 0.401 | 1501.9 | | | | | | | |
| ISL | 300 | 11.44 | 35.056 | | | 26.76 | 137.09 | 0.470 | 1500.5 | | | | | | | |
| ISL | 400 | 11.16 | 34.974 | | | 26.75 | 140.25 | 0.608 | 1501.0 | | | | | | | |
| ISL | 500 | 10.10 | 34.863 | | | 26.85 | 132.01 | 0.745 | 1498.8 | | | | | | | |
| ISL | 600 | 9.41 | 34.753 | | | 26.88 | 130.36 | 0.876 | 1497.7 | | | | | | | |
| ISL | 700 | 9.11 | 34.643 | | | 26.84 | 135.36 | 1.009 | 1498.1 | | | | | | | |
| ISL | 800 | 8.03 | 34.548 | | | 26.94 | 126.68 | 1.140 | 1495.6 | | | | | | | |
| ISL | 900 | 6.09 | 34.451 | | | 27.13 | 106.55 | 1.256 | 1489.5 | | | | | | | |
| ISL | 1000 | 4.72 | 34.408 | | | 27.26 | 92.43 | 1.356 | 1485.6 | | | | | | | |
| ISL | 1100 | 4.10 | 34.450 | | | 27.36 | 82.60 | 1.443 | 1484.7 | | | | | | | |
| ISL | 1200 | 3.79 | 34.490 | | | 27.42 | 76.57 | 1.523 | 1485.1 | | | | | | | |
| ISL | 1300 | 3.47 | 34.532 | | | 27.49 | 70.46 | 1.596 | 1485.5 | | | | | | | |
| ISL | 1400 | 3.27 | 34.573 | | | 27.54 | 65.62 | 1.664 | 1486.4 | | | | | | | |
| ISL | 1500 | 3.08 | 34.614 | | | 27.59 | 61.12 | 1.728 | 1487.4 | | | | | | | |
| ISL | 1750 | 2.71 | 34.678 | | | 27.68 | 53.36 | 1.871 | 1490.1 | | | | | | | |
| ISL | 2000 | 2.40 | 34.710 | | | 27.73 | 48.49 | 1.998 | 1493.0 | | | | | | | |
| ISL | 2250 | 2.15 | 34.725 | | | 27.76 | 45.41 | 2.116 | 1496.2 | | | | | | | |
| ISL | 2500 | 1.78 | 34.732 | | | 27.80 | 41.06 | 2.224 | 1498.9 | | | | | | | |
| ISL | 2750 | 1.67 | 34.732 | | | 27.80 | 40.50 | 2.326 | 1502.7 | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 48 | 1342 | 0 | | 13 | 8 | 71 | 5.6 | 3430.1S | 10003.0E | 433 | 4582 | 14.2 | | 27 | 54 | 18 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 1 | 14.35 | | 35.587 | | 26.58 | | | | 1506.1 | 572 | 22 | 14 | | 1 | |
| OBS | 194 | 14.19 | | 35.561 | | 26.60 | | | | 1508.7 | 565 | 23 | 18 | | 1 | |
| OBS | 244 | 12.47 | | 35.248 | | 26.71 | | | | 1503.4 | 552 | 58 | 62 | | 2 | |
| OBS | 293 | 11.66 | | 35.090 | | 26.74 | | | | 1501.2 | 557 | 60 | 86 | | 2 | |
| OBS | 392 | 10.82 | | 34.967 | | 26.80 | | | | 1499.7 | 558 | 68 | 112 | | 2 | |
| OBS | 491 | 10.17 | | 34.874 | | 26.84 | | | | 1498.9 | 545 | 86 | 134 | | 3 | |
| OBS | 739 | 8.43 | | 34.609 | | 26.92 | | | | 1496.2 | 541 | 113 | 188 | | 6 | |
| OBS | 985 | 5.44 | | 34.403 | | 27.17 | | | | 1488.3 | 455 | 222 | 307 | | 24 | |
| OBS | 1219 | 3.86 | | 34.429 | | 27.37 | | | | 1485.7 | 406 | 242 | 345 | | 50 | |
| OBS | 1463 | 3.16 | | 34.544 | | 27.53 | | | | 1487.0 | 382 | 233 | 356 | | 71 | |
| OBS | 1709 | 2.82 | | 34.632 | | 27.63 | | | | 1489.8 | 385 | 232 | 347 | | 84 | |
| OBS | 1956 | 2.53 | | 34.691 | | 27.70 | | | | 1492.8 | 390 | 256 | 347 | | 84 | |
| OBS | 2204 | 2.28 | | 34.726 | | 27.75 | | | | 1496.0 | 401 | 253 | 332 | | 96 | |
| OBS | 2453 | 2.09 | | 34.741 | | 27.78 | | | | 1499.4 | 449C | 205 | 332 | | 94 | |
| OBS | 2951 | 1.69 | | 34.746 | | 27.81 | | | | 1506.3 | 440 | 207 | 313 | | 102 | |
| OBS | 3450 | 1.33 | | 34.736 | | 27.83 | | | | 1513.4 | 462 | 203 | 331 | | 110 | |
| OBS | 3948 | 1.29 | | 34.725 | | 27.83 | | | | 1521.9 | 459 | 198 | 325 | | 107 | |
| OBS | 4372 | 1.13 | | 34.716 | | 27.83 | | | | 1528.7 | 466 | 212 | 334 | | 122 | |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | 14.35 | | 35.587 | | 26.58 | 146.23 | 0.000 | | 1506.0 | | | | | | |
| ISL | 10 | 14.52 | | 35.618 | | 26.57 | 147.68 | 0.015 | | 1506.8 | | | | | | |
| ISL | 20 | 14.68 | | 35.649 | | 26.56 | 149.15 | 0.030 | | 1507.5 | | | | | | |
| ISL | 30 | 14.83 | | 35.676 | | 26.55 | 150.50 | 0.045 | | 1508.2 | | | | | | |
| ISL | 50 | 15.06 | | 35.719 | | 26.53 | 152.77 | 0.075 | | 1509.3 | | | | | | |
| ISL | 75 | 15.22 | | 35.750 | | 26.52 | 154.78 | 0.113 | | 1510.2 | | | | | | |
| ISL | 100 | 15.26 | | 35.757 | | 26.51 | 155.77 | 0.152 | | 1510.8 | | | | | | |
| ISL | 125 | 15.16 | | 35.738 | | 26.52 | 155.72 | 0.191 | | 1510.8 | | | | | | |
| ISL | 150 | 14.92 | | 35.695 | | 26.54 | 154.63 | 0.230 | | 1510.4 | | | | | | |
| ISL | 200 | 14.00 | | 35.527 | | 26.61 | 149.31 | 0.306 | | 1508.1 | | | | | | |
| ISL | 250 | 12.33 | | 35.222 | | 26.72 | 140.17 | 0.378 | | 1503.0 | | | | | | |
| ISL | 300 | 11.57 | | 35.073 | | 26.75 | 138.09 | 0.448 | | 1501.0 | | | | | | |
| ISL | 400 | 10.76 | | 34.959 | | 26.80 | 134.38 | 0.584 | | 1499.6 | | | | | | |
| ISL | 500 | 10.11 | | 34.865 | | 26.85 | 132.05 | 0.717 | | 1498.8 | | | | | | |
| ISL | 600 | 9.43 | | 34.761 | | 26.88 | 130.20 | 0.848 | | 1497.8 | | | | | | |
| ISL | 700 | 8.76 | | 34.648 | | 26.90 | 129.33 | 0.978 | | 1496.8 | | | | | | |
| ISL | 800 | 7.79 | | 34.550 | | 26.97 | 122.76 | 1.104 | | 1494.7 | | | | | | |
| ISL | 900 | 6.40 | | 34.452 | | 27.09 | 110.78 | 1.221 | | 1490.7 | | | | | | |
| ISL | 1000 | 5.30 | | 34.399 | | 27.19 | 100.80 | 1.327 | | 1487.9 | | | | | | |
| ISL | 1100 | 4.53 | | 34.390 | | 27.27 | 92.35 | 1.423 | | 1486.4 | | | | | | |
| ISL | 1200 | 3.95 | | 34.423 | | 27.36 | 83.47 | 1.511 | | 1485.7 | | | | | | |
| ISL | 1300 | 3.54 | | 34.470 | | 27.43 | 75.78 | 1.591 | | 1485.7 | | | | | | |
| ISL | 1400 | 3.29 | | 34.516 | | 27.49 | 70.05 | 1.664 | | 1486.4 | | | | | | |
| ISL | 1500 | 3.09 | | 34.559 | | 27.55 | 65.14 | 1.731 | | 1487.3 | | | | | | |
| ISL | 1750 | 2.77 | | 34.644 | | 27.64 | 56.58 | 1.883 | | 1490.2 | | | | | | |
| ISL | 2000 | 2.48 | | 34.699 | | 27.71 | 50.34 | 2.017 | | 1493.3 | | | | | | |
| ISL | 2250 | 2.25 | | 34.730 | | 27.76 | 46.27 | 2.138 | | 1496.6 | | | | | | |
| ISL | 2500 | 2.05 | | 34.743 | | 27.78 | 43.90 | 2.251 | | 1500.0 | | | | | | |
| ISL | 2750 | 1.85 | | 34.748 | | 27.80 | 41.85 | 2.358 | | 1503.5 | | | | | | |
| ISL | 3000 | 1.65 | | 34.746 | | 27.82 | 40.09 | 2.460 | | 1506.9 | | | | | | |
| ISL | 3250 | 1.46 | | 34.740 | | 27.83 | 38.52 | 2.558 | | 1510.4 | | | | | | |
| ISL | 3500 | 1.31 | | 34.735 | | 27.83 | 37.41 | 2.653 | | 1514.1 | | | | | | |
| ISL | 3750 | 1.32 | | 34.729 | | 27.83 | 38.55 | 2.748 | | 1518.6 | | | | | | |
| ISL | 4000 | 1.28 | | 34.724 | | 27.83 | 38.75 | 2.845 | | 1522.7 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 48 | 1343 | 0 | | 14 | 8 | 71 | 14.1 | 3211.9S | 10254.5E | 433 | 5224 | 11.9 | | 237 | 254 | 25 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² -ml/l | PHOS 10 ² -µgat/l | NITR 10-µgat/l | SILIC µgat/l | | |
| OBS | 1 | 15.27 | | 35.772 | | 26.52 | | | | 1509.2 | 579 | 21 | 0 | 0 | | |
| OBS | 90 | 14.79 | | | | | | | | | | | | | | |
| OBS | 168 | 13.72 | | 35.368 | | 26.55 | | | | 1506.5 | 590 | 15 | 12 | 1 | | |
| OBS | 190 | 13.21 | | 35.327 | | 26.62 | | | | 1505.1 | 554 | 20 | 34 | 1 | | |
| OBS | 235 | 12.08 | | 35.169 | | 26.72 | | | | 1501.8 | 569 | 43 | 58 | 1 | | |
| OBS | 275 | 11.48 | | 35.060 | | 26.75 | | | | 1500.2 | | | | | | |
| OBS | 281 | 11.25 | | 35.019 | | 26.76 | | | | 1499.5 | 587 | 19 | 75 | 1 | | |
| OBS | 393 | 10.38 | | 34.890 | | 26.82 | | | | 1498.1 | 568 | 51 | 118 | 3 | | |
| OBS | 470 | 9.59 | | 34.772 | | 26.86 | | | | 1496.3 | 569 | 54 | 115 | 3 | | |
| OBS | 489 | 9.27 | | 34.726 | | 26.88 | | | | 1495.4 | | | | | | |
| OBS | 656 | 8.37 | | 34.608 | | 26.93 | | | | 1494.6 | | | | | | |
| OBS | 738 | 7.46 | | 34.508 | | 26.99 | | | | 1492.3 | 500 | 108 | 222 | 10 | | |
| OBS | 985 | 4.18 | | 34.409 | | 27.32 | | | | 1483.1 | 433 | 198 | 334 | 45 | | |
| OBS | 1231 | 3.31 | | 34.493 | | 27.47 | | | | 1483.6 | 388 | 173 | 318 | 53 | | |
| OBS | 1377Q | 2.95 | | 34.542 | | 27.55 | | | | 1484.6 | 392 | 224 | 354 | 73 | | |
| OBS | 1519Q | 2.77 | | 34.604 | | 27.61 | | | | 1486.3 | 372 | 189 | 321 | 71 | | |
| OBS | 1660 | 2.56 | | 34.651 | | 27.67 | | | | 1487.9 | | | | | | |
| OBS | 1802 | 2.51 | | 34.680 | | 27.70 | | | | 1490.1 | 368 | 208 | 344 | 94 | | |
| OBS | 2281 | 2.10 | | 34.721 | | 27.76 | | | | 1496.5 | 410 | | 350 | 97 | | |
| OBS | 2760 | 1.73 | | 34.726 | | 27.79 | | | | 1503.2 | 419 | 196 | 301 | 107 | | |
| OBS | 3249 | 1.44 | | 34.732 | | 27.82 | | | | 1510.4 | 446 | 185 | 313 | 106 | | |
| OBS | 3747 | 1.15 | | 34.719 | | 27.83 | | | | 1517.8 | 457 | 191 | 322 | 116 | | |
| OBS | 4241 | 0.99 | | 34.706 | | 27.83 | | | | 1525.9 | 482Q | 188 | 338 | 122 | | |
| OBS | 4740 | 0.98 | | 34.702 | | 27.83 | | | | 1534.7 | 471 | 198 | 328 | 123 | | |
| OBS | 4910 | 1.00 | | 34.715 | | 27.84 | | | | 1537.9 | 473 | 190 | 332 | 122 | | |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | 15.27 | | 35.772 | | 26.52 | 151.86 | 0.000 | | 1509.2 | | | | | | |
| ISL | 10 | 15.26 | | 35.750 | | 26.51 | 153.51 | 0.015 | | 1509.3 | | | | | | |
| ISL | 20 | 15.24 | | 35.727 | | 26.50 | 155.10 | 0.031 | | 1509.4 | | | | | | |
| ISL | 30 | 15.20 | | 35.703 | | 26.49 | 156.44 | 0.046 | | 1509.4 | | | | | | |
| ISL | 50 | 15.11 | | 35.655 | | 26.47 | 158.50 | 0.078 | | 1509.4 | | | | | | |
| ISL | 75 | 14.93 | | 35.595 | | 26.46 | 159.85 | 0.118 | | 1509.1 | | | | | | |
| ISL | 100 | 14.70 | | 35.535 | | 26.47 | 160.15 | 0.158 | | 1508.7 | | | | | | |
| ISL | 125 | 14.44 | | 35.474 | | 26.48 | 159.93 | 0.198 | | 1508.2 | | | | | | |
| ISL | 150 | 14.07 | | 35.412 | | 26.51 | 157.67 | 0.237 | | 1507.4 | | | | | | |
| ISL | 200 | 12.97 | | 35.294 | | 26.65 | 145.75 | 0.313 | | 1504.4 | | | | | | |
| ISL | 250 | 11.82 | | 35.126 | | 26.74 | 137.57 | 0.384 | | 1501.1 | | | | | | |
| ISL | 300 | 11.09 | | 34.994 | | 26.77 | 135.29 | 0.452 | | 1499.2 | | | | | | |
| ISL | 400 | 10.32 | | 34.881 | | 26.82 | 132.29 | 0.586 | | 1497.9 | | | | | | |
| ISL | 500 | 9.16 | | 34.711 | | 26.89 | 127.34 | 0.716 | | 1495.1 | | | | | | |
| ISL | 600 | 8.78 | | 34.659 | | 26.91 | 127.02 | 0.843 | | 1495.3 | | | | | | |
| ISL | 700 | 7.91 | | 34.556 | | 26.96 | 122.64 | 0.968 | | 1493.5 | | | | | | |
| ISL | 800 | 6.70 | | 34.456 | | 27.05 | 113.43 | 1.086 | | 1490.3 | | | | | | |
| ISL | 900 | 5.39 | | 34.411 | | 27.18 | 99.96 | 1.193 | | 1486.7 | | | | | | |
| ISL | 1000 | 4.07 | | 34.414 | | 27.34 | 83.96 | 1.284 | | 1482.9 | | | | | | |
| ISL | 1100 | 3.70 | | 34.448 | | 27.40 | 77.72 | 1.365 | | 1483.0 | | | | | | |
| ISL | 1200 | 3.40 | | 34.482 | | 27.46 | 72.47 | 1.440 | | 1483.5 | | | | | | |
| ISL | 1300 | 3.12 | | 34.516 | | 27.51 | 67.39 | 1.510 | | 1484.0 | | | | | | |
| ISL | 1400 | 2.92 | | 34.551 | | 27.56 | 63.10 | 1.576 | | 1484.9 | | | | | | |
| ISL | 1500 | 2.80 | | 34.596 | | 27.60 | 58.88 | 1.637 | | 1486.1 | | | | | | |
| ISL | 1750 | 2.53 | | 34.671 | | 27.69 | 51.64 | 1.775 | | 1489.3 | | | | | | |
| ISL | 2000 | 2.34 | | 34.707 | | 27.73 | 47.95 | 1.899 | | 1492.7 | | | | | | |
| ISL | 2250 | 2.13 | | 34.720 | | 27.76 | 45.49 | 2.016 | | 1496.1 | | | | | | |
| ISL | 2500 | 1.92 | | 34.723 | | 27.78 | 43.57 | 2.127 | | 1499.5 | | | | | | |
| ISL | 2750 | 1.74 | | 34.726 | | 27.79 | 41.85 | 2.234 | | 1503.0 | | | | | | |
| ISL | 3000 | 1.59 | | 34.729 | | 27.81 | 40.35 | 2.337 | | 1506.7 | | | | | | |
| ISL | 3250 | 1.44 | | 34.732 | | 27.82 | 38.79 | 2.436 | | 1510.4 | | | | | | |
| ISL | 3500 | 1.29 | | 34.725 | | 27.83 | 37.74 | 2.531 | | 1514.1 | | | | | | |
| ISL | 3750 | 1.15 | | 34.719 | | 27.83 | 36.62 | 2.624 | | 1517.9 | | | | | | |
| ISL | 4000 | 1.05 | | 34.712 | | 27.83 | 36.07 | 2.715 | | 1521.9 | | | | | | |
| ISL | 4500 | 0.97 | | 34.701 | | 27.83 | 36.33 | 2.896 | | 1530.4 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 48 | 1344 | 0 | | 17 | 8 | 71 | 17.1 | 3204.CS | 1115C.1E | 432 | 5000 | 15.9 | | 254 | 253 | 28 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 17.31 | 35.748 | 26.03 | | | 1515.4 | 530 | | 6 | 2 | | | | | |
| OBS | 25 | 17.30 | 35.744 | 26.03 | | | 1515.7 | 537 | 23 | 6 | 1 | | | | | |
| OBS | 50 | 17.32 | 35.744 | 26.03 | | | 1516.2 | 522 | 22 | 6 | 1 | | | | | |
| OBS | 75 | | 35.741 | | | | | 527 | 20 | 6 | 1 | | | | | |
| OBS | 99 | | 35.740 | | | | | 525 | 20 | 6 | 1 | | | | | |
| OBS | 124 | | 35.742 | | | | | 525 | 20 | 9 | 1 | | | | | |
| OBS | 149 | | 35.718 | | | | | 530 | 20 | 9 | 1 | | | | | |
| OBS | 198 | | 35.691 | | | | | 532 | 20 | 9 | 1 | | | | | |
| OBS | 248 | 14.45 | 35.448 | 26.45 | | | 1510.3 | 522 | 29 | 23 | 2 | | | | | |
| OBS | 298 | 13.22 | 35.315 | 26.61 | | | 1506.9 | 530 | 17 | 48 | 1 | | | | | |
| OBS | 398 | 10.60 | 34.869 | 26.76 | | | 1498.9 | 548 | 45 | 98 | 2 | | | | | |
| OBS | 498 | 9.47 | 34.733 | 26.85 | | | 1496.3 | 538 | 69 | 148 | 3 | | | | | |
| OBS | 598 | 8.83 | 34.649 | 26.89 | | | 1495.4 | 541 | 71 | 155 | 4 | | | | | |
| OBS | 794 | 7.13 | 34.478 | 27.01 | | | 1491.9 | 475 | 134 | 244 | 14 | | | | | |
| OBS | 993 | 4.23 | 34.365 | 27.28 | | | 1483.4 | 444 | 178 | 308 | 38 | | | | | |
| OBS | 1184 | 3.66 | 34.491 | 27.44 | | | 1484.3 | 372 | 2700 | 351 | 69 | | | | | |
| OBS | 1379 | 3.19 | 34.552 | 27.53 | | | 1485.7 | 349 | 2890 | 348 | 79 | | | | | |
| OBS | 1573 | 2.86 | 34.610 | 27.61 | | | 1487.6 | 361 | 2790 | 348 | 86 | | | | | |
| OBS | 1962 | 2.45 | 34.690 | 27.71 | | | 1492.6 | 376 | 237 | 330 | 97 | | | | | |
| OBS | 2354 | 2.10 | 34.714 | 27.76 | | | 1497.8 | 395 | 223 | 333 | 109 | | | | | |
| OBS | 2550 | 1.97 | 34.714 | 27.77 | | | 1500.6 | 4260 | 232 | 324 | 112 | | | | | |
| OBS | 2747 | 1.84 | 34.721 | 27.78 | | | 1503.4 | 404 | 228 | 330 | 115 | | | | | |
| OBS | 2943 | 1.72 | 34.721 | 27.79 | | | 1506.3 | 4020 | 235 | 323 | 115 | | | | | |
| OBS | 3139 | 1.59 | 34.735 | 27.81 | | | 1509.2 | 4480 | 190 | 328 | 117 | | | | | |
| OBS | 3434 | 1.47 | 34.721 | 27.81 | | | 1513.8 | 425 | 191 | 322 | 119 | | | | | |
| OBS | 3927 | 1.27 | | | | | | | | | | | | | | |
| OBS | 4421 | 1.18 | 34.698 | 27.81 | | | 1529.9 | 445 | 187 | 315 | 126 | | | | | |
| OBS | 4913 | 1.06 | 34.700 | 27.82 | | | 1538.2 | 469 | 186 | 323 | 125 | | | | | |
| ISL | 0 | 17.31 | 35.748 | 26.03 | 198.67 | C.000 | 1515.4 | | | | | | | | | |
| ISL | 10 | 17.31 | 35.746 | 26.03 | 199.09 | C.020 | 1515.5 | | | | | | | | | |
| ISL | 20 | 17.30 | 35.745 | 26.03 | 199.38 | C.040 | 1515.7 | | | | | | | | | |
| ISL | 30 | 17.30 | 35.744 | 26.03 | 199.81 | C.060 | 1515.8 | | | | | | | | | |
| ISL | 50 | 17.32 | 35.744 | 26.03 | 200.86 | C.100 | 1516.2 | | | | | | | | | |
| ISL | 75 | 17.18 | 35.741 | 26.06 | 198.69 | C.150 | 1516.2 | | | | | | | | | |
| ISL | 100 | 17.05 | 35.740 | 26.09 | 196.68 | C.199 | 1516.2 | | | | | | | | | |
| ISL | 125 | 16.83 | 35.741 | 26.14 | 192.27 | C.248 | 1516.0 | | | | | | | | | |
| ISL | 150 | 16.45 | 35.717 | 26.21 | 186.20 | C.295 | 1515.2 | | | | | | | | | |
| ISL | 200 | 15.45 | 35.685 | 26.42 | 168.19 | C.384 | 1512.9 | | | | | | | | | |
| ISL | 250 | 14.40 | 35.441 | 26.46 | 165.30 | C.467 | 1510.1 | | | | | | | | | |
| ISL | 300 | 13.17 | 35.308 | 26.61 | 151.38 | C.546 | 1506.7 | | | | | | | | | |
| ISL | 400 | 10.56 | 34.864 | 26.77 | 137.83 | C.691 | 1498.8 | | | | | | | | | |
| ISL | 500 | 9.45 | 34.731 | 26.85 | 130.75 | C.825 | 1496.2 | | | | | | | | | |
| ISL | 600 | 8.82 | 34.647 | 26.89 | 128.41 | C.955 | 1495.4 | | | | | | | | | |
| ISL | 700 | 8.09 | 34.561 | 26.94 | 124.97 | 1.081 | 1494.2 | | | | | | | | | |
| ISL | 800 | 7.06 | 34.474 | 27.02 | 117.40 | 1.203 | 1491.8 | | | | | | | | | |
| ISL | 900 | 5.68 | 34.399 | 27.14 | 104.77 | 1.314 | 1487.8 | | | | | | | | | |
| ISL | 1000 | 4.18 | 34.366 | 27.29 | 88.78 | 1.410 | 1483.3 | | | | | | | | | |
| ISL | 1100 | 3.89 | 34.441 | 27.38 | 80.54 | 1.495 | 1483.8 | | | | | | | | | |
| ISL | 1200 | 3.62 | 34.497 | 27.45 | 73.97 | 1.572 | 1484.4 | | | | | | | | | |
| ISL | 1300 | 3.37 | 34.528 | 27.50 | 69.44 | 1.644 | 1485.1 | | | | | | | | | |
| ISL | 1400 | 3.15 | 34.558 | 27.54 | 65.26 | 1.711 | 1485.9 | | | | | | | | | |
| ISL | 1500 | 2.97 | 34.589 | 27.58 | 61.52 | 1.775 | 1486.9 | | | | | | | | | |
| ISL | 1750 | 2.65 | 34.653 | 27.66 | 54.49 | 1.920 | 1489.8 | | | | | | | | | |
| ISL | 2000 | 2.41 | 34.694 | 27.72 | 49.78 | 2.050 | 1493.1 | | | | | | | | | |
| ISL | 2250 | 2.18 | 34.711 | 27.75 | 46.81 | 2.171 | 1496.4 | | | | | | | | | |
| ISL | 2500 | 2.00 | 34.713 | 27.76 | 45.37 | 2.286 | 1499.9 | | | | | | | | | |
| ISL | 2750 | 1.84 | 34.721 | 27.78 | 43.56 | 2.397 | 1503.5 | | | | | | | | | |
| ISL | 3000 | 1.68 | 34.724 | 27.80 | 42.09 | 2.504 | 1507.1 | | | | | | | | | |
| ISL | 3250 | 1.54 | 34.730 | 27.81 | 40.45 | 2.608 | 1510.9 | | | | | | | | | |
| ISL | 3500 | 1.44 | 34.718 | 27.81 | 40.47 | 2.709 | 1514.8 | | | | | | | | | |
| ISL | 3750 | 1.34 | 34.710 | 27.81 | 40.20 | 2.810 | 1518.8 | | | | | | | | | |
| ISL | 4000 | 1.25 | 34.703 | 27.81 | 39.88 | 2.910 | 1522.8 | | | | | | | | | |
| ISL | 4500 | 1.16 | 34.698 | 27.81 | 39.78 | 3.109 | 1531.3 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 49 | 1345 | 0 | | 2 | 9 | 71 | 10.3 | 3752.9S | 11123.3E | 432 | 4669 | 13.3 | | 43 | 23 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 12.43 | 35.274 | 26.74 | | | 1499.3 | 622 | | | 3 | | | | | |
| OBS | 49 | 12.42 | 35.282 | 26.74 | | | 1500.1 | 615 | | | 3 | | | | | |
| OBS | 99 | 12.43 | 35.284 | 26.74 | | | 1500.9 | 608 | | | 3 | | | | | |
| OBS | 148 | 12.32 | 35.285 | 26.77 | | | 1501.4 | 613 | | | 3 | | | | | |
| OBS | 197 | 12.31 | 35.270 | 26.76 | | | 1502.1 | 606 | | | 3 | | | | | |
| OBS | 290 | 11.71 | 35.171 | 26.80 | | | 1501.4 | 603 | | | 3 | | | | | |
| OBS | 385 | 10.03 | 34.830 | 26.83 | | | 1496.6 | 590 | | | 3 | | | | | |
| OBS | 478 | 9.63 | 34.789 | 26.87 | | | 1496.6 | 571 | | | 4 | | | | | |
| OBS | 574 | 9.21 | 34.737 | 26.90 | | | 1496.6 | 549 | | | 3 | | | | | |
| OBS | 761 | 8.16 | 34.586 | 26.95 | | | 1495.5 | 5770 | | | 5 | | | | | |
| OBS | 954 | 5.64 | 34.433 | 27.17 | | | 1488.6 | 492 | | | 12 | | | | | |
| OBS | 972 | 5.47 | 34.417 | 27.18 | | | 1488.2 | 472 | | | 12 | | | | | |
| OBS | 1077 | 4.44 | 34.395 | 27.28 | | | 1485.7 | | | | 31 | | | | | |
| OBS | 1151 | 3.86 | 34.414 | 27.36 | | | 1484.5 | 448 | | | 28 | | | | | |
| OBS | 1247 | 3.43 | 34.442 | 27.42 | | | 1484.4 | 420 | | | 50 | | | | | |
| OBS | 1466 | 2.98 | 34.519 | 27.53 | | | 1486.2 | 441 | | | 60 | | | | | |
| OBS | 1706 | 2.73 | 34.626 | 27.63 | | | 1489.3 | 386 | | | 74 | | | | | |
| OBS | 2103 | 2.38 | 34.717 | 27.74 | | | 1494.7 | 399 | | | 83 | | | | | |
| OBS | 2491 | 2.06 | 34.749 | 27.79 | | | 1500.0 | 433 | | | 90 | | | | | |
| OBS | 2882 | 1.74 | 34.763 | 27.82 | | | 1505.4 | 455 | | | 92 | | | | | |
| OBS | 3200 | 1.45 | 34.748 | 27.83 | | | 1509.6 | 475 | | | 96 | | | | | |
| OBS | 3321 | 1.41 | 34.738 | 27.83 | | | 1511.5 | 475 | | | 610 | | | | | |
| OBS | 3361 | 1.38 | | | | | | | | | | | | | | |
| ISL | 0 | 12.43 | 35.274 | 26.74 | 131.69 | 0.000 | 1499.3 | | | | | | | | | |
| ISL | 10 | 12.43 | 35.276 | 26.74 | 131.79 | 0.013 | 1499.5 | | | | | | | | | |
| ISL | 20 | 12.43 | 35.278 | 26.74 | 131.87 | 0.026 | 1499.6 | | | | | | | | | |
| ISL | 30 | 12.42 | 35.279 | 26.74 | 131.98 | 0.040 | 1499.8 | | | | | | | | | |
| ISL | 50 | 12.42 | 35.282 | 26.74 | 132.20 | 0.066 | 1500.1 | | | | | | | | | |
| ISL | 75 | 12.42 | 35.283 | 26.74 | 132.86 | 0.099 | 1500.5 | | | | | | | | | |
| ISL | 100 | 12.43 | 35.284 | 26.74 | 133.54 | 0.132 | 1500.9 | | | | | | | | | |
| ISL | 125 | 12.37 | 35.285 | 26.76 | 133.00 | 0.166 | 1501.1 | | | | | | | | | |
| ISL | 150 | 12.32 | 35.285 | 26.77 | 132.72 | 0.199 | 1501.4 | | | | | | | | | |
| ISL | 200 | 12.30 | 35.268 | 26.76 | 134.93 | 0.266 | 1502.1 | | | | | | | | | |
| ISL | 250 | 12.08 | 35.238 | 26.78 | 134.29 | 0.333 | 1502.1 | | | | | | | | | |
| ISL | 300 | 11.58 | 35.146 | 26.80 | 133.01 | 0.400 | 1501.1 | | | | | | | | | |
| ISL | 400 | 9.96 | 34.822 | 26.84 | 130.57 | 0.532 | 1496.6 | | | | | | | | | |
| ISL | 500 | 9.53 | 34.778 | 26.88 | 128.65 | 0.661 | 1496.6 | | | | | | | | | |
| ISL | 600 | 9.08 | 34.716 | 26.90 | 127.71 | 0.790 | 1496.5 | | | | | | | | | |
| ISL | 700 | 8.60 | 34.635 | 26.92 | 127.61 | 0.917 | 1496.2 | | | | | | | | | |
| ISL | 800 | 7.71 | 34.555 | 26.99 | 121.16 | 1.042 | 1494.4 | | | | | | | | | |
| ISL | 900 | 6.27 | 34.476 | 27.13 | 107.20 | 1.156 | 1490.3 | | | | | | | | | |
| ISL | 1000 | 5.20 | 34.400 | 27.20 | 99.35 | 1.259 | 1487.5 | | | | | | | | | |
| ISL | 1100 | 4.24 | 34.400 | 27.31 | 87.96 | 1.353 | 1485.2 | | | | | | | | | |
| ISL | 1200 | 3.60 | 34.428 | 27.39 | 78.92 | 1.436 | 1484.3 | | | | | | | | | |
| ISL | 1300 | 3.26 | 34.459 | 27.45 | 73.21 | 1.512 | 1484.5 | | | | | | | | | |
| ISL | 1400 | 3.08 | 34.494 | 27.50 | 69.15 | 1.583 | 1485.5 | | | | | | | | | |
| ISL | 1500 | 2.93 | 34.533 | 27.54 | 65.17 | 1.651 | 1486.6 | | | | | | | | | |
| ISL | 1750 | 2.69 | 34.641 | 27.65 | 55.77 | 1.802 | 1489.9 | | | | | | | | | |
| ISL | 2000 | 2.47 | 34.702 | 27.72 | 49.92 | 1.934 | 1493.3 | | | | | | | | | |
| ISL | 2250 | 2.26 | 34.736 | 27.76 | 46.03 | 2.054 | 1496.7 | | | | | | | | | |
| ISL | 2500 | 2.05 | 34.750 | 27.79 | 43.40 | 2.166 | 1500.1 | | | | | | | | | |
| ISL | 2750 | 1.85 | 34.762 | 27.81 | 40.77 | 2.271 | 1503.5 | | | | | | | | | |
| ISL | 3000 | 1.63 | 34.760 | 27.83 | 38.80 | 2.370 | 1506.9 | | | | | | | | | |
| ISL | 3250 | 1.43 | 34.744 | 27.83 | 37.83 | 2.466 | 1510.4 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 49 | 1346 | 0 | | 3 | 9 | 71 | 13.3 | 40C0.2S | 11002.8E | 468 | 4628 | 12.5 | | 315 | 314 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 10.61 | 34.937 | 26.82 | | | 1492.5 | 630 | | | 4 | | | | | |
| OBS | 52 | 10.58 | 34.904 | 26.80 | | | 1493.2 | 622 | | | 3 | | | | | |
| OBS | 103 | 10.52 | 34.901 | 26.80 | | | 1493.8 | 615 | | | 3 | | | | | |
| OBS | 154 | 10.36 | 34.856 | 26.80 | | | 1494.0 | 614 | | | 3 | | | | | |
| OBS | 205 | 9.94 | 34.787 | 26.82 | | | 1493.3 | 597 | | | 4 | | | | | |
| OBS | 307 | 9.62 | 34.760 | 26.85 | | | 1493.7 | 583 | | | 4 | | | | | |
| OBS | 409 | 9.48 | 34.754 | 26.87 | | | 1494.9 | 566 | | | 4 | | | | | |
| OBS | 510 | 9.14 | 34.717 | 26.89 | | | 1495.2 | 560 | | | 4 | | | | | |
| OBS | 611 | 8.83 | 34.660 | 26.90 | | | 1495.7 | 564 | | | 3 | | | | | |
| OBS | 811 | 7.71 | 34.532 | 26.97 | | | 1494.5 | 508 | | | 8 | | | | | |
| OBS | 1010 | 5.24 | 34.389 | 27.19 | | | 1487.9 | 473 | | | 24 | | | | | |
| OBS | 1210 | 3.75 | 34.402 | 27.36 | | | 1485.0 | 452 | | | 42 | | | | | |
| OBS | 1366 | 3.14 | 34.451 | 27.46 | | | 1485.1 | 418 | | | 37 | | | | | |
| OBS | 1611 | 2.93 | 34.564 | 27.57 | | | 1488.5 | 393 | | | 68 | | | | | |
| OBS | 1858 | 2.61 | 34.648 | 27.66 | | | 1491.4 | | | | 76 | | | | | |
| OBS | 2347 | 2.26 | 34.733 | 27.76 | | | 1498.4 | 425 | | | 84 | | | | | |
| OBS | 2835 | 1.83 | 34.754 | 27.81 | | | 1504.9 | 462 | | | 90 | | | | | |
| OBS | 3317 | | 34.740 | | | | | 475 | | | 104 | | | | | |
| OBS | 3795 | 1.02 | 34.719 | 27.84 | | | 1518.1 | 476 | | | 114 | | | | | |
| OBS | 4070 | 0.90 | 34.716 | 27.85 | | | 1522.5 | 483 | | | 118 | | | | | |
| OBS | 4328 | 0.87 | | | | | | | | | | | | | | |
| OBS | 4404 | 0.88 | | | | | | | | | | | | | | |
| OBS | 4433 | 0.88 | | | | | | | | | | | | | | |
| ISL | 0 | 10.61 | 34.904 | 26.79 | 126.62 | 0.000 | 1492.5 | | | | | | | | | |
| ISL | 10 | 10.61 | 34.904 | 26.79 | 126.80 | 0.013 | 1492.6 | | | | | | | | | |
| ISL | 20 | 10.60 | 34.904 | 26.79 | 126.97 | 0.025 | 1492.8 | | | | | | | | | |
| ISL | 30 | 10.60 | 34.904 | 26.79 | 127.08 | 0.038 | 1492.9 | | | | | | | | | |
| ISL | 50 | 10.58 | 34.904 | 26.79 | 127.28 | 0.063 | 1493.2 | | | | | | | | | |
| ISL | 75 | 10.56 | 34.907 | 26.80 | 127.24 | 0.095 | 1493.5 | | | | | | | | | |
| ISL | 100 | 10.53 | 34.902 | 26.80 | 127.60 | 0.127 | 1493.8 | | | | | | | | | |
| ISL | 125 | 10.48 | 34.886 | 26.80 | 128.52 | 0.159 | 1494.0 | | | | | | | | | |
| ISL | 150 | 10.38 | 34.860 | 26.80 | 129.34 | 0.191 | 1494.0 | | | | | | | | | |
| ISL | 200 | 9.98 | 34.792 | 26.81 | 128.70 | 0.256 | 1493.3 | | | | | | | | | |
| ISL | 250 | 9.74 | 34.768 | 26.84 | 127.59 | 0.320 | 1493.2 | | | | | | | | | |
| ISL | 300 | 9.64 | 34.761 | 26.85 | 127.48 | 0.384 | 1493.7 | | | | | | | | | |
| ISL | 400 | 9.50 | 34.756 | 26.87 | 127.70 | 0.511 | 1494.8 | | | | | | | | | |
| ISL | 500 | 9.17 | 34.722 | 26.89 | 126.83 | 0.639 | 1495.2 | | | | | | | | | |
| ISL | 600 | 8.86 | 34.667 | 26.90 | 127.76 | 0.766 | 1495.6 | | | | | | | | | |
| ISL | 700 | 8.47 | 34.605 | 26.91 | 127.70 | 0.894 | 1495.7 | | | | | | | | | |
| ISL | 800 | 7.80 | 34.539 | 26.96 | 123.81 | 1.019 | 1494.7 | | | | | | | | | |
| ISL | 900 | 6.59 | 34.469 | 27.08 | 112.34 | 1.137 | 1491.6 | | | | | | | | | |
| ISL | 1000 | 5.34 | 34.395 | 27.18 | 101.60 | 1.244 | 1488.1 | | | | | | | | | |
| ISL | 1100 | 4.46 | 34.378 | 27.27 | 92.29 | 1.341 | 1486.1 | | | | | | | | | |
| ISL | 1200 | 3.81 | 34.400 | 27.35 | 83.43 | 1.429 | 1485.1 | | | | | | | | | |
| ISL | 1300 | 3.35 | 34.427 | 27.42 | 76.64 | 1.509 | 1484.9 | | | | | | | | | |
| ISL | 1400 | 3.11 | 34.465 | 27.47 | 71.74 | 1.583 | 1485.6 | | | | | | | | | |
| ISL | 1500 | 3.03 | 34.514 | 27.52 | 67.75 | 1.653 | 1487.0 | | | | | | | | | |
| ISL | 1750 | 2.75 | 34.615 | 27.62 | 58.46 | 1.811 | 1490.2 | | | | | | | | | |
| ISL | 2000 | 2.51 | 34.682 | 27.70 | 51.93 | 1.949 | 1493.5 | | | | | | | | | |
| ISL | 2250 | 2.33 | 34.723 | 27.74 | 47.92 | 2.074 | 1497.0 | | | | | | | | | |
| ISL | 2500 | 2.12 | 34.745 | 27.78 | 44.69 | 2.190 | 1500.4 | | | | | | | | | |
| ISL | 2750 | 1.90 | 34.754 | 27.80 | 42.12 | 2.298 | 1503.8 | | | | | | | | | |
| ISL | 3000 | 1.69 | 34.752 | 27.82 | 40.11 | 2.401 | 1507.2 | | | | | | | | | |
| ISL | 3250 | 1.47 | 34.742 | 27.83 | 38.52 | 2.499 | 1510.6 | | | | | | | | | |
| ISL | 3500 | 1.25 | 34.733 | 27.83 | 36.68 | 2.593 | 1514.0 | | | | | | | | | |
| ISL | 3750 | 1.05 | 34.720 | 27.84 | 34.99 | 2.683 | 1517.5 | | | | | | | | | |
| ISL | 4000 | 0.92 | 34.716 | 27.84 | 33.83 | 2.769 | 1521.3 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------|--------------|-----------------|----------------|-------|-------------------------------|---------------------------------|-------------------|-----------------|-----|
| EL 49 | 1347 | 0 | | 4 | 9 | 71 | 15.3 | 4223.9S | 11006.7E | 468 | 4192 | 8.0 | | 257 | 264 | 22 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | |
| OBS | 1 | 9.40 | | 34.711 | | 26.85 | | | | 1487.8 | | 658 | | | | 5 |
| OBS | 49 | 9.42 | | 34.704 | | 26.84 | | | | 1488.7 | | 655 | | | | 5 |
| OBS | 98 | 9.41 | | 34.706 | | 26.84 | | | | 1489.5 | | | | | | 4 |
| OBS | 146 | 9.43 | | 34.706 | | 26.84 | | | | 1490.3 | | 651 | | | | 4 |
| OBS | 195 | 9.39 | | 34.701 | | 26.84 | | | | 1491.0 | | | | | | 4 |
| OBS | 294 | 9.24 | | 34.681 | | 26.85 | | | | 1492.0 | | 656 | | | | 4 |
| OBS | 393 | 8.97 | | 34.629 | | 26.85 | | | | 1492.6 | | | | | | 4 |
| OBS | 493 | 9.18 | | 34.683 | | 26.86 | | | | 1495.1 | | 599 | | | | 4 |
| OBS | 593 | 8.50 | | 34.608 | | 26.91 | | | | 1494.1 | | | | | | 7 |
| OBS | 793 | 6.54 | | 34.454 | | 27.07 | | | | 1489.6 | | 502 | | | | 18 |
| OBS | 993 | 4.50 | | 34.341 | | 27.23 | | | | 1484.5 | | | | | | 24 |
| OBS | 1193 | 3.42 | | 34.367 | | 27.36 | | | | 1483.4 | | 505 | | | | 45 |
| OBS | 1292 | 3.17 | | 34.400 | | 27.41 | | | | 1484.0 | | | | | | 39 |
| OBS | 1583 | 2.73 | | 34.541 | | 27.57 | | | | 1487.2 | | 420 | | | | 72 |
| OBS | 1874 | 2.51 | | 34.659 | | 27.68 | | | | 1491.4 | | | | | | 79 |
| OBS | 2162 | 2.33 | | 34.726 | | 27.75 | | | | 1495.6 | | 461 | | | | 81 |
| OBS | 2447 | 2.12 | | 34.759 | | 27.79 | | | | 1499.7 | | | | | | 88 |
| OBS | 2824 | 1.72 | | 34.754 | | 27.82 | | | | 1504.4 | | 487 | | | | 102 |
| OBS | 3302 | 1.25 | | 34.735 | | 27.84 | | | | 1510.7 | | | | | | 116 |
| OBS | 3591 | 1.08 | | 34.731 | | 27.85 | | | | 1515.0 | | 504 | | | | 122 |
| OBS | 3873 | 0.93 | | 34.723 | | 27.85 | | | | 1519.3 | | 495 | | | | 125 |
| OBS | 3979 | 0.91 | | 34.719 | | 27.85 | | | | 1521.1 | | 497 | | | | 129 |
| ISL | 0 | 9.40 | | 34.711 | | 26.85 | 121.21 | 0.000 | | 1487.8 | | | | | | |
| ISL | 10 | 9.41 | | 34.709 | | 26.84 | 121.62 | 0.012 | | 1488.0 | | | | | | |
| ISL | 20 | 9.41 | | 34.707 | | 26.84 | 122.03 | 0.024 | | 1488.2 | | | | | | |
| ISL | 30 | 9.41 | | 34.706 | | 26.84 | 122.42 | 0.037 | | 1488.4 | | | | | | |
| ISL | 50 | 9.42 | | 34.704 | | 26.84 | 123.07 | 0.061 | | 1488.7 | | | | | | |
| ISL | 75 | 9.41 | | 34.705 | | 26.84 | 123.38 | 0.092 | | 1489.1 | | | | | | |
| ISL | 100 | 9.41 | | 34.706 | | 26.84 | 123.79 | 0.123 | | 1489.5 | | | | | | |
| ISL | 125 | 9.42 | | 34.707 | | 26.84 | 124.38 | 0.154 | | 1489.9 | | | | | | |
| ISL | 150 | 9.43 | | 34.706 | | 26.84 | 125.12 | 0.185 | | 1490.4 | | | | | | |
| ISL | 200 | 9.38 | | 34.700 | | 26.84 | 125.85 | 0.248 | | 1491.0 | | | | | | |
| ISL | 250 | 9.32 | | 34.693 | | 26.85 | 126.35 | 0.311 | | 1491.6 | | | | | | |
| ISL | 300 | 9.23 | | 34.679 | | 26.85 | 126.92 | 0.374 | | 1492.1 | | | | | | |
| ISL | 400 | 8.97 | | 34.629 | | 26.85 | 128.39 | 0.502 | | 1492.7 | | | | | | |
| ISL | 500 | 9.16 | | 34.679 | | 26.86 | 129.72 | 0.631 | | 1495.1 | | | | | | |
| ISL | 600 | 8.44 | | 34.603 | | 26.92 | 125.77 | 0.759 | | 1494.0 | | | | | | |
| ISL | 700 | 7.47 | | 34.526 | | 27.00 | 118.14 | 0.881 | | 1491.8 | | | | | | |
| ISL | 800 | 6.47 | | 34.449 | | 27.08 | 110.65 | 0.995 | | 1489.4 | | | | | | |
| ISL | 900 | 5.45 | | 34.380 | | 27.15 | 102.98 | 1.102 | | 1486.9 | | | | | | |
| ISL | 1000 | 4.45 | | 34.340 | | 27.24 | 94.06 | 1.200 | | 1484.4 | | | | | | |
| ISL | 1100 | 3.81 | | 34.344 | | 27.31 | 86.84 | 1.291 | | 1483.4 | | | | | | |
| ISL | 1200 | 3.40 | | 34.369 | | 27.37 | 80.80 | 1.375 | | 1483.4 | | | | | | |
| ISL | 1300 | 3.15 | | 34.403 | | 27.42 | 76.07 | 1.453 | | 1484.1 | | | | | | |
| ISL | 1400 | 2.96 | | 34.453 | | 27.47 | 70.79 | 1.526 | | 1485.0 | | | | | | |
| ISL | 1500 | 2.82 | | 34.503 | | 27.53 | 66.02 | 1.595 | | 1486.2 | | | | | | |
| ISL | 1750 | 2.59 | | 34.614 | | 27.64 | 56.59 | 1.748 | | 1489.6 | | | | | | |
| ISL | 2000 | 2.43 | | 34.694 | | 27.71 | 50.06 | 1.881 | | 1493.2 | | | | | | |
| ISL | 2250 | 2.27 | | 34.740 | | 27.76 | 45.90 | 2.001 | | 1496.9 | | | | | | |
| ISL | 2500 | 2.07 | | 34.761 | | 27.80 | 42.74 | 2.112 | | 1500.3 | | | | | | |
| ISL | 2750 | 1.80 | | 34.756 | | 27.81 | 40.50 | 2.216 | | 1503.5 | | | | | | |
| ISL | 3000 | 1.54 | | 34.748 | | 27.83 | 38.36 | 2.315 | | 1506.7 | | | | | | |
| ISL | 3250 | 1.29 | | 34.736 | | 27.84 | 36.36 | 2.408 | | 1510.0 | | | | | | |
| ISL | 3500 | 1.13 | | 34.733 | | 27.84 | 34.87 | 2.497 | | 1513.6 | | | | | | |
| ISL | 3750 | 0.99 | | 34.727 | | 27.85 | 33.68 | 2.583 | | 1517.4 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 49 | 1348 | 0 | | 5 | 9 | 71 | 19.6 | 4507.6S | 10954.5E | 469 | 4152 | 7.0 | | 297 | 304 | 17 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 8.99 | | | | | | 674 | | | | | | | | |
| OBS | 51 | 8.99 | | | | | | 654 | | | | | | | | |
| OBS | 101 | 9.02 | 34.637 | 26.85 | | | 1551.3 | 655 | | | | | | | | |
| OBS | 162 | 9.05 | 34.638 | 26.85 | | | 1552.5 | 652 | | | | | | | | |
| OBS | 212 | 9.04 | 34.635 | 26.85 | | | 1553.3 | 642 | | | | | | | | |
| OBS | 313 | 8.62 | 34.576 | 26.87 | | | 1553.4 | 642 | | | | | | | | |
| OBS | 415 | 8.46 | 34.580 | 26.89 | | | 1554.6 | 643 | | | | | | | | |
| OBS | 516 | 8.15 | 34.560 | 26.93 | | | 1555.1 | 626 | | | | | | | | |
| OBS | 617 | 8.06 | 34.542 | 26.93 | | | 1556.5 | 550 | | | | | | | | |
| OBS | 820 | 5.70 | 34.391 | 27.13 | | | 1550.7 | 516 | | | | | | | | |
| OBS | 1020 | 3.88 | 34.321 | 27.28 | | | 1546.8 | 522 | | | | | | | | |
| OBS | 1171 | 3.26 | 34.355 | 27.37 | | | 1546.9 | 487 | | | | | | | | |
| OBS | 1221 | 3.21 | 34.398 | 27.41 | | | 1547.7 | 472 | | | | | | | | |
| OBS | 1465 | 2.77 | 34.508 | 27.54 | | | 1550.3 | 428 | | | | | | | | |
| OBS | 1759 | 2.42 | 34.623 | 27.66 | | | 1554.2 | 442 | | | | | | | | |
| OBS | 2051 | 2.40 | 34.751 | 27.76 | | | 1559.5 | 446 | | | | | | | | |
| OBS | 2345 | 2.09 | 34.754 | 27.79 | | | 1563.4 | 450 | | | | | | | | |
| ISL | 0 | 8.99 | 34.637 | 26.86 | 120.35 | 0.000 | 1486.2 | | | | | | | | | |
| ISL | 10 | 8.99 | 34.637 | 26.86 | 120.52 | 0.012 | 1486.4 | | | | | | | | | |
| ISL | 20 | 8.99 | 34.637 | 26.86 | 120.70 | 0.024 | 1486.5 | | | | | | | | | |
| ISL | 30 | 8.99 | 34.637 | 26.86 | 120.90 | 0.036 | 1486.7 | | | | | | | | | |
| ISL | 50 | 8.99 | 34.637 | 26.86 | 121.33 | 0.060 | 1487.0 | | | | | | | | | |
| ISL | 75 | 9.00 | 34.637 | 26.85 | 122.06 | 0.091 | 1487.5 | | | | | | | | | |
| ISL | 100 | 9.02 | 34.637 | 26.85 | 122.79 | 0.121 | 1487.9 | | | | | | | | | |
| ISL | 125 | 9.03 | 34.638 | 26.85 | 123.38 | 0.152 | 1488.4 | | | | | | | | | |
| ISL | 150 | 9.05 | 34.638 | 26.85 | 124.08 | 0.183 | 1488.9 | | | | | | | | | |
| ISL | 200 | 9.05 | 34.637 | 26.85 | 125.25 | 0.245 | 1489.7 | | | | | | | | | |
| ISL | 250 | 8.89 | 34.617 | 26.86 | 125.11 | 0.308 | 1489.9 | | | | | | | | | |
| ISL | 300 | 8.66 | 34.580 | 26.86 | 125.27 | 0.371 | 1489.8 | | | | | | | | | |
| ISL | 400 | 8.49 | 34.581 | 26.89 | 124.49 | 0.496 | 1490.8 | | | | | | | | | |
| ISL | 500 | 8.19 | 34.563 | 26.92 | 122.90 | 0.619 | 1491.3 | | | | | | | | | |
| ISL | 600 | 8.08 | 34.545 | 26.93 | 124.22 | 0.743 | 1492.5 | | | | | | | | | |
| ISL | 700 | 7.06 | 34.480 | 27.02 | 115.36 | 0.863 | 1490.1 | | | | | | | | | |
| ISL | 800 | 5.91 | 34.402 | 27.11 | 106.35 | 0.973 | 1487.1 | | | | | | | | | |
| ISL | 900 | 4.85 | 34.349 | 27.20 | 97.48 | 1.075 | 1484.4 | | | | | | | | | |
| ISL | 1000 | 4.02 | 34.322 | 27.27 | 90.04 | 1.169 | 1482.5 | | | | | | | | | |
| ISL | 1100 | 3.47 | 34.323 | 27.32 | 84.27 | 1.256 | 1481.9 | | | | | | | | | |
| ISL | 1200 | 3.23 | 34.380 | 27.39 | 78.00 | 1.337 | 1482.6 | | | | | | | | | |
| ISL | 1300 | 3.08 | 34.439 | 27.45 | 72.49 | 1.413 | 1483.7 | | | | | | | | | |
| ISL | 1400 | 2.87 | 34.481 | 27.50 | 67.71 | 1.483 | 1484.6 | | | | | | | | | |
| ISL | 1500 | 2.72 | 34.523 | 27.55 | 63.37 | 1.548 | 1485.6 | | | | | | | | | |
| ISL | 1750 | 2.43 | 34.619 | 27.65 | 54.18 | 1.695 | 1488.7 | | | | | | | | | |
| ISL | 2000 | 2.42 | 34.729 | 27.74 | 47.45 | 1.822 | 1493.1 | | | | | | | | | |
| ISL | 2250 | 2.21 | 34.764 | 27.79 | 43.32 | 1.936 | 1496.5 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 49 | 1349 | 0 | | 6 | 9 | 71 | 15.7 | 4659.3S | 11009.5E | 468 | 3843 | 4.8 | | 248 | 244 | 22 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 7.20 | 34.380 | 26.92 | | | 1479.0 | 695 | | | 3 | | | | | |
| OBS | 51 | 7.24 | 34.367 | 26.91 | | | 1480.0 | 671 | | | 3 | | | | | |
| OBS | 103 | 7.24 | 34.392 | 26.93 | | | 1480.9 | 670 | | | 3 | | | | | |
| OBS | 153 | 7.25 | 34.366 | 26.91 | | | 1481.7 | 674 | | | 3 | | | | | |
| OBS | 203 | 7.25 | 34.371 | 26.91 | | | 1482.5 | 666 | | | 3 | | | | | |
| OBS | 299 | 7.23 | 34.367 | 26.91 | | | 1484.0 | 662 | | | 4 | | | | | |
| OBS | 392 | 5.87 | 34.215 | 26.97 | | | 1480.0 | 669 | | | 5 | | | | | |
| OBS | 479 | 5.18 | 34.175 | 27.02 | | | 1478.5 | 661 | | | 6 | | | | | |
| OBS | 570 | 4.63 | 34.109 | 27.03 | | | 1477.7 | 685 | | | 7 | | | | | |
| OBS | 762 | 4.56 | 34.315 | 27.20 | | | 1480.8 | 527 | | | 20 | | | | | |
| OBS | 959 | 3.48 | 34.374 | 27.36 | | | 1479.7 | 492 | | | 39 | | | | | |
| OBS | 1160 | 2.80 | 34.441 | 27.48 | | | 1480.2 | 467 | | | 51 | | | | | |
| OBS | 1317 | 2.70 | 34.522 | 27.55 | | | 1482.5 | 438 | | | 68 | | | | | |
| OBS | 1553 | 2.55 | | | | | | 447 | | | 66 | | | | | |
| OBS | 1798 | 2.42 | 34.698 | 27.72 | | | 1489.7 | 440 | | | 73 | | | | | |
| OBS | 2053 | 2.34 | 34.752 | 27.77 | | | 1493.7 | 443 | | | 76 | | | | | |
| OBS | 2320 | 2.05 | 34.773C | 27.81C | | | 1497.0C | 461 | | | 81 | | | | | |
| OBS | 2563 | 1.80 | 34.772C | 27.83C | | | 1500.1C | 470 | | | 90 | | | | | |
| OBS | 2781 | 1.52 | | | | | | | | | | | | | | |
| OBS | 2973 | 1.40 | 34.742 | 27.83 | | | 1505.4 | 478 | | | 119 | | | | | |
| OBS | 3070 | 1.34 | 34.753C | 27.85C | | | 1506.9C | 475 | | | 110 | | | | | |
| OBS | 3120 | 1.32 | 34.731 | 27.83 | | | 1507.6 | 474 | | | 133C | | | | | |
| ISL | 0 | 7.20 | 34.380 | 26.92 | 113.87 | 0.000 | 1479.0 | | | | | | | | | |
| ISL | 10 | 7.21 | 34.376 | 26.92 | 114.43 | 0.011 | 1479.2 | | | | | | | | | |
| ISL | 20 | 7.22 | 34.373 | 26.92 | 114.98 | 0.023 | 1479.4 | | | | | | | | | |
| ISL | 30 | 7.23 | 34.370 | 26.91 | 115.43 | 0.034 | 1479.6 | | | | | | | | | |
| ISL | 50 | 7.24 | 34.367 | 26.91 | 116.17 | 0.058 | 1480.0 | | | | | | | | | |
| ISL | 75 | 7.24 | 34.376 | 26.92 | 115.87 | 0.087 | 1480.4 | | | | | | | | | |
| ISL | 100 | 7.24 | 34.392 | 26.93 | 115.12 | 0.115 | 1480.8 | | | | | | | | | |
| ISL | 125 | 7.24 | 34.379 | 26.92 | 116.49 | 0.144 | 1481.2 | | | | | | | | | |
| ISL | 150 | 7.25 | 34.367 | 26.91 | 117.93 | 0.174 | 1481.7 | | | | | | | | | |
| ISL | 200 | 7.25 | 34.371 | 26.91 | 118.45 | 0.233 | 1482.5 | | | | | | | | | |
| ISL | 250 | 7.25 | 34.373 | 26.91 | 119.01 | 0.292 | 1483.3 | | | | | | | | | |
| ISL | 300 | 7.22 | 34.366 | 26.91 | 119.96 | 0.352 | 1484.0 | | | | | | | | | |
| ISL | 400 | 5.79 | 34.209 | 26.98 | 113.98 | 0.469 | 1479.7 | | | | | | | | | |
| ISL | 500 | 5.03 | 34.162 | 27.03 | 109.37 | 0.581 | 1478.2 | | | | | | | | | |
| ISL | 600 | 4.55 | 34.128 | 27.06 | 107.18 | 0.689 | 1477.9 | | | | | | | | | |
| ISL | 700 | 4.66 | 34.262 | 27.15 | 99.47 | 0.792 | 1480.1 | | | | | | | | | |
| ISL | 800 | 4.38 | 34.327 | 27.23 | 92.30 | 0.888 | 1480.7 | | | | | | | | | |
| ISL | 900 | 3.77 | 34.356 | 27.32 | 83.80 | 0.976 | 1479.9 | | | | | | | | | |
| ISL | 1000 | 3.29 | 34.387 | 27.39 | 76.83 | 1.056 | 1479.6 | | | | | | | | | |
| ISL | 1100 | 2.95 | 34.418 | 27.45 | 71.33 | 1.130 | 1479.8 | | | | | | | | | |
| ISL | 1200 | 2.77 | 34.460 | 27.50 | 66.92 | 1.200 | 1480.8 | | | | | | | | | |
| ISL | 1300 | 2.71 | 34.513 | 27.55 | 62.82 | 1.264 | 1482.3 | | | | | | | | | |
| ISL | 1400 | 2.65 | 34.560 | 27.59 | 59.28 | 1.326 | 1483.7 | | | | | | | | | |
| ISL | 1500 | 2.58 | 34.601 | 27.63 | 56.03 | 1.383 | 1485.2 | | | | | | | | | |
| ISL | 1750 | 2.44 | 34.685 | 27.70 | 49.56 | 1.515 | 1488.9 | | | | | | | | | |
| ISL | 2000 | 2.36 | 34.743 | 27.76 | 45.56 | 1.634 | 1492.9 | | | | | | | | | |
| ISL | 2250 | 2.12 | 34.772 | 27.80 | 41.64 | 1.743 | 1496.2 | | | | | | | | | |
| ISL | 2500 | 1.86 | 34.765 | 27.82 | 39.79 | 1.845 | 1499.3 | | | | | | | | | |
| ISL | 2750 | 1.55 | 34.755 | 27.83 | 37.29 | 1.941 | 1502.3 | | | | | | | | | |
| ISL | 3000 | 1.38 | 34.740 | 27.83 | 36.75 | 2.034 | 1505.8 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|--|-----|-----|-----|
| EL 49 | 1350 | 0 | | 7 | 9 | 71 | 22.3 | 4901.4S | 11014.4E | 468 | 3299 | 1.3 | | 186 | 204 | 21 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | | | | |
| OBS | 1 | 4.64 | 34.131 | 27.05 | | | 1468.4 | | | | 10 | | | | | |
| OBS | 49 | 4.65 | 34.135 | 27.05 | | | 1469.2 | | | | 10 | | | | | |
| OBS | 90 | 4.47 | 34.117 | 27.06 | | | 1469.1 | | | | 11 | | | | | |
| OBS | 123 | 4.01 | 34.081 | 27.08 | | | 1467.7 | | | | 13 | | | | | |
| OBS | 174 | 3.43 | 34.094 | 27.15 | | | 1466.1 | | | | 15 | | | | | |
| OBS | 277 | 3.89 | 34.204 | 27.19 | | | 1469.9 | | | | 21 | | | | | |
| OBS | 381 | 2.76 | 34.197 | 27.29 | | | 1466.8 | | | | 32 | | | | | |
| OBS | 485 | 2.61 | 34.312 | 27.39 | | | 1468.0 | | | | 44 | | | | | |
| OBS | 693 | 2.50 | 34.444 | 27.51 | | | 1471.1 | | | | 60 | | | | | |
| OBS | 900 | 2.35 | 34.538 | 27.60 | | | 1474.1 | | | | 69 | | | | | |
| OBS | 1143Q | | 34.631 | | | | | | | | 73 | | | | | |
| OBS | 1335Q | | | | | | | | | | 76 | | | | | |
| OBS | 1529Q | | 34.718 | | | | | | | | 78 | | | | | |
| OBS | 1725Q | | 34.747 | | | | | | | | 83 | | | | | |
| OBS | 2020Q | | 34.761 | | | | | | | | 87 | | | | | |
| OBS | 2318Q | | 34.761 | | | | | | | | 94 | | | | | |
| OBS | 2617Q | | 34.754 | | | | | | | | 125 | | | | | |
| OBS | 2918Q | | 34.744 | | | | | | | | 114 | | | | | |
| OBS | 3019Q | | 34.737 | | | | | | | | 117 | | | | | |
| OBS | 3120Q | | | | | | | | | | 120 | | | | | |
| OBS | 3170Q | | | | | | | | | | 122 | | | | | |
| ISL | 0 | 4.64 | 34.131 | 27.05 | 101.98 | 0.000 | 1468.4 | | | | | | | | | |
| ISL | 10 | 4.66 | 34.134 | 27.05 | 102.10 | 0.010 | 1468.6 | | | | | | | | | |
| ISL | 20 | 4.68 | 34.136 | 27.05 | 102.19 | 0.020 | 1468.9 | | | | | | | | | |
| ISL | 30 | 4.68 | 34.137 | 27.05 | 102.26 | 0.031 | 1469.0 | | | | | | | | | |
| ISL | 50 | 4.65 | 34.135 | 27.05 | 102.28 | 0.051 | 1469.2 | | | | | | | | | |
| ISL | 75 | 4.58 | 34.127 | 27.05 | 102.41 | 0.077 | 1469.3 | | | | | | | | | |
| ISL | 100 | 4.32 | 34.108 | 27.07 | 101.40 | 0.102 | 1468.7 | | | | | | | | | |
| ISL | 125 | 3.98 | 34.080 | 27.08 | 100.24 | 0.127 | 1467.6 | | | | | | | | | |
| ISL | 150 | 3.66 | 34.078 | 27.11 | 97.42 | 0.152 | 1466.7 | | | | | | | | | |
| ISL | 200 | 3.43 | 34.114 | 27.16 | 92.85 | 0.200 | 1466.5 | | | | | | | | | |
| ISL | 250 | 3.89 | 34.181 | 27.17 | 92.78 | 0.246 | 1469.4 | | | | | | | | | |
| ISL | 300 | 3.72 | 34.211 | 27.21 | 89.22 | 0.292 | 1469.5 | | | | | | | | | |
| ISL | 400 | 2.69 | 34.214 | 27.31 | 79.69 | 0.376 | 1466.8 | | | | | | | | | |
| ISL | 500 | 2.60 | 34.326 | 27.41 | 71.10 | 0.451 | 1468.2 | | | | | | | | | |
| ISL | 600 | 2.55 | 34.395 | 27.46 | 66.04 | 0.520 | 1469.7 | | | | | | | | | |
| ISL | 700 | 2.50 | 34.448 | 27.51 | 62.10 | 0.584 | 1471.2 | | | | | | | | | |
| ISL | 800 | 2.42 | 34.497 | 27.56 | 58.22 | 0.644 | 1472.6 | | | | | | | | | |
| ISL | 900 | 2.35 | 34.538 | 27.60 | 55.00 | 0.701 | 1474.1 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-------|--------------|-----------------|----------------|-------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|
| EL 49 | 1351 | 0 | | 8 | 9 | 71 | 22.6 | 5100.8S | 11000.0E | 505 | 3330 | 1.7 | | 255 | 254 | 23 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | |
| OBS | 1 | 2.22 | | 34.0630 | | 27.230 | | | | 1458.00 | | | | | | 15 |
| OBS | 50 | 2.23 | | 33.998 | | 27.17 | | | | 1458.7 | | | | | | 15 |
| OBS | 99 | 2.19 | | 34.027 | | 27.20 | | | | 1459.4 | | | | | | 15 |
| OBS | 149 | 1.87 | | 34.036 | | 27.23 | | | | 1458.8 | | | | | | 19 |
| OBS | 199 | 1.60 | | 34.050 | | 27.26 | | | | 1458.5 | | | | | | 20 |
| OBS | 248 | 1.94 | | 34.109 | | 27.29 | | | | 1460.9 | | | | | | 25 |
| OBS | 297 | 2.20 | | 34.197 | | 27.34 | | | | 1462.9 | | | | | | 34 |
| OBS | 394 | 2.13 | | | | | | | | | | | | | | 48 |
| OBS | 492 | 2.22 | | 34.420 | | 27.51 | | | | 1466.6 | | | | | | 59 |
| OBS | 589 | 2.24 | | 34.515 | | 27.59 | | | | 1468.4 | | | | | | 66 |
| OBS | 788 | 2.22 | | 34.604 | | 27.66 | | | | 1471.7 | | | | | | 74 |
| OBS | 987 | 2.19 | | 34.690 | | 27.73 | | | | 1475.1 | | | | | | 78 |
| OBS | 1100 | 2.17 | | 34.726 | | 27.76 | | | | 1476.9 | | | | | | 80 |
| OBS | 1293 | 2.06 | | | | | | | | | | | | | | 83 |
| OBS | 1588 | 1.83 | | 34.748 | | 27.80 | | | | 1483.7 | | | | | | 89 |
| OBS | 1882 | 1.52 | | | | | | | | | | | | | | 99 |
| OBS | 2279 | | | 34.741 | | | | | | | | | | | | 108 |
| OBS | 2578 | 0.88 | | | | | | | | | | | | | | 116 |
| OBS | 2878 | 0.58 | | | | | | | | | | | | | | 124 |
| OBS | 3079 | 0.51 | | 34.7300 | | 27.880 | | | | 1503.50 | | | | | | 127 |
| OBS | 3178 | 0.46 | | 34.7450 | | 27.900 | | | | 1505.00 | | | | | | 128 |
| OBS | 3280 | 0.41 | | 34.713 | | 27.87 | | | | 1506.5 | | | | | | 131 |
| OBS | 3330 | 0.39 | | 34.710 | | 27.87 | | | | 1507.3 | | | | | | 133 |
| ISL | 0 | 2.22 | | 33.998 | | 27.18 | 90.09 | 0.000 | | 1457.9 | | | | | | |
| ISL | 10 | 2.23 | | 33.998 | | 27.17 | 90.19 | 0.009 | | 1458.1 | | | | | | |
| ISL | 20 | 2.23 | | 33.998 | | 27.17 | 90.27 | 0.018 | | 1458.2 | | | | | | |
| ISL | 30 | 2.23 | | 33.998 | | 27.17 | 90.32 | 0.027 | | 1458.4 | | | | | | |
| ISL | 50 | 2.23 | | 33.998 | | 27.17 | 90.38 | 0.045 | | 1458.7 | | | | | | |
| ISL | 75 | 2.22 | | 34.015 | | 27.19 | 89.19 | 0.068 | | 1459.1 | | | | | | |
| ISL | 100 | 2.19 | | 34.027 | | 27.20 | 88.05 | 0.090 | | 1459.4 | | | | | | |
| ISL | 125 | 2.02 | | 34.031 | | 27.22 | 86.56 | 0.112 | | 1459.1 | | | | | | |
| ISL | 150 | 1.86 | | 34.036 | | 27.23 | 85.09 | 0.133 | | 1458.8 | | | | | | |
| ISL | 200 | 1.60 | | 34.051 | | 27.26 | 82.19 | 0.175 | | 1458.5 | | | | | | |
| ISL | 250 | 1.95 | | 34.112 | | 27.29 | 80.41 | 0.215 | | 1461.0 | | | | | | |
| ISL | 300 | 2.21 | | 34.201 | | 27.34 | 75.95 | 0.255 | | 1463.0 | | | | | | |
| ISL | 400 | 2.13 | | 34.324 | | 27.44 | 66.58 | 0.326 | | 1464.5 | | | | | | |
| ISL | 500 | 2.22 | | 34.428 | | 27.52 | 60.00 | 0.389 | | 1466.7 | | | | | | |
| ISL | 600 | 2.24 | | 34.522 | | 27.59 | 53.67 | 0.446 | | 1468.6 | | | | | | |
| ISL | 700 | 2.23 | | 34.565 | | 27.63 | 50.80 | 0.498 | | 1470.3 | | | | | | |
| ISL | 800 | 2.22 | | 34.609 | | 27.66 | 47.89 | 0.548 | | 1471.9 | | | | | | |
| ISL | 900 | 2.20 | | 34.653 | | 27.70 | 44.97 | 0.594 | | 1473.6 | | | | | | |
| ISL | 1000 | 2.19 | | 34.695 | | 27.73 | 42.22 | 0.638 | | 1475.3 | | | | | | |
| ISL | 1100 | 2.17 | | 34.726 | | 27.76 | 40.21 | 0.679 | | 1476.9 | | | | | | |
| ISL | 1200 | 2.12 | | 34.742 | | 27.78 | 39.02 | 0.718 | | 1478.4 | | | | | | |
| ISL | 1300 | 2.06 | | 34.744 | | 27.78 | 38.58 | 0.757 | | 1479.8 | | | | | | |
| ISL | 1400 | 1.99 | | 34.745 | | 27.79 | 38.19 | 0.796 | | 1481.2 | | | | | | |
| ISL | 1500 | 1.91 | | 34.747 | | 27.80 | 37.68 | 0.834 | | 1482.5 | | | | | | |
| ISL | 1750 | 1.66 | | 34.750 | | 27.82 | 35.64 | 0.925 | | 1485.7 | | | | | | |
| ISL | 2000 | 1.41 | | 34.747 | | 27.84 | 33.81 | 1.012 | | 1488.8 | | | | | | |
| ISL | 2250 | 1.19 | | 34.742 | | 27.85 | 32.26 | 1.095 | | 1492.1 | | | | | | |
| ISL | 2500 | 0.95 | | 34.737 | | 27.86 | 30.30 | 1.173 | | 1495.4 | | | | | | |
| ISL | 2750 | 0.71 | | 34.733 | | 27.87 | 27.92 | 1.246 | | 1498.6 | | | | | | |
| ISL | 3000 | 0.54 | | 34.726 | | 27.88 | 26.57 | 1.314 | | 1502.2 | | | | | | |
| ISL | 3250 | 0.42 | | 34.714 | | 27.87 | 26.04 | 1.379 | | 1506.0 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 49 | 1352 | 0 | | 9 | 9 | 71 | 21.6 | 5302.4S | 11003.5E | 504 | 3613 | 1.1 | | 257 | 284 | 22 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 0.90 | 34.009 | 27.28 | | | 1452.0 | | | | | | | | | 21 |
| OBS | 52 | 0.90 | 33.998 | 27.27 | | | 1452.9 | | | | | | | | | 19 |
| OBS | 104 | 0.81 | 34.025 | 27.30 | | | 1453.3 | | | | | | | | | 23 |
| OBS | 155 | 0.62 | 34.309 | 27.54 | | | 1453.7 | | | | | | | | | 21 |
| OBS | 206 | 1.52 | | | | | | | | | | | | | | 54 |
| OBS | 257 | 1.65 | | | | | | | | | | | | | | 58 |
| OBS | 308 | 1.86 | 34.470 | 27.58 | | | 1462.0 | | | | | | | | | 69 |
| OBS | 410 | 2.11 | | | | | | | | | | | | | | 69 |
| OBS | 512 | 2.12 | 34.641 | 27.70 | | | 1466.8 | | | | | | | | | 80 |
| OBS | 615 | 2.10 | 34.682 | 27.73 | | | 1468.5 | | | | | | | | | 71 |
| OBS | 822 | 1.99 | 34.727 | 27.78 | | | 1471.5 | | | | | | | | | |
| OBS | 1025 | 1.82 | 34.746 | 27.80 | | | 1474.2 | | | | | | | | | 91 |
| OBS | 1100 | 1.84 | | | | | | | | | | | | | | 98 |
| OBS | 1305 | 1.65 | | | | | | | | | | | | | | |
| OBS | 1508 | 1.42 | | | | | | | | | | | | | | |
| OBS | 1812 | 1.17 | | | | | | | | | | | | | | 85Q |
| OBS | 2117 | 0.91 | | | | | | | | | | | | | | 89C |
| OBS | 2422 | 0.63 | | | | | | | | | | | | | | 115 |
| OBS | 2728 | 0.41 | | | | | | | | | | | | | | 123 |
| OBS | 3135 | 0.17 | | | | | | | | | | | | | | 122 |
| OBS | 3439 | 0.09 | | | | | | | | | | | | | | 129 |
| OBS | 3540 | 0.08 | | | | | | | | | | | | | | 134 |
| ISL | 0 | 0.90 | 34.009 | 27.28 | 80.35 | 0.000 | 1452.0 | | | | | | | | | |
| ISL | 10 | 0.91 | 34.003 | 27.27 | 80.86 | 0.008 | 1452.2 | | | | | | | | | |
| ISL | 20 | 0.91 | 33.998 | 27.27 | 81.25 | 0.016 | 1452.4 | | | | | | | | | |
| ISL | 30 | 0.91 | 33.996 | 27.27 | 81.44 | 0.024 | 1452.5 | | | | | | | | | |
| ISL | 50 | 0.90 | 33.998 | 27.27 | 81.24 | 0.041 | 1452.8 | | | | | | | | | |
| ISL | 75 | 0.87 | 34.001 | 27.27 | 80.88 | 0.061 | 1453.1 | | | | | | | | | |
| ISL | 100 | 0.82 | 34.015 | 27.29 | 79.49 | 0.081 | 1453.3 | | | | | | | | | |
| ISL | 125 | 0.74 | 34.135 | 27.39 | 69.89 | 0.100 | 1453.5 | | | | | | | | | |
| ISL | 150 | 0.64 | 34.283 | 27.51 | 58.10 | 0.116 | 1453.7 | | | | | | | | | |
| ISL | 200 | 1.45 | 34.369 | 27.53 | 57.08 | 0.144 | 1458.3 | | | | | | | | | |
| ISL | 250 | 1.63 | 34.415 | 27.55 | 55.04 | 0.172 | 1460.0 | | | | | | | | | |
| ISL | 300 | 1.83 | 34.462 | 27.58 | 53.25 | 0.199 | 1461.7 | | | | | | | | | |
| ISL | 400 | 2.10 | 34.559 | 27.63 | 48.61 | 0.250 | 1464.7 | | | | | | | | | |
| ISL | 500 | 2.12 | 34.634 | 27.69 | 43.69 | 0.297 | 1466.6 | | | | | | | | | |
| ISL | 600 | 2.10 | 34.677 | 27.73 | 40.77 | 0.339 | 1468.2 | | | | | | | | | |
| ISL | 700 | 2.06 | 34.706 | 27.75 | 38.75 | 0.379 | 1469.8 | | | | | | | | | |
| ISL | 800 | 2.01 | 34.724 | 27.77 | 37.32 | 0.417 | 1471.2 | | | | | | | | | |
| ISL | 900 | 1.93 | 34.737 | 27.79 | 36.04 | 0.453 | 1472.5 | | | | | | | | | |
| ISL | 1000 | 1.84 | 34.745 | 27.80 | 34.99 | 0.489 | 1473.8 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 49 | 1353 | 0 | | 10 | 9 | 71 | 21.7 | 5505.0S | 11001.0E | 504 | 3816 | 1.0 | | 317 | 324 | 21 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 0.46 | 34.064 | 27.35 | | | 1450.1 | 773 | | | | | | | | |
| OBS | 53 | 0.45 | 34.057 | 27.34 | | | 1450.9 | 796 | | | | | | | | |
| OBS | 104 | 0.47 | 34.057 | 27.34 | | | 1451.9 | 763 | | | | | | | | |
| OBS | 155 | 0.54 | 34.066 | 27.35 | | | 1453.0 | 765 | | | | | | | | |
| OBS | 206 | 1.79 | 34.298 | 27.45 | | | 1459.8 | 538 | | | | | | | | |
| OBS | 306 | 2.02 | | | | | | 486 | | | | | | | | |
| OBS | 403 | 2.09 | 34.527 | 27.61 | | | 1464.7 | 452 | | | | | | | | |
| OBS | 499 | 2.18 | 34.598 | 27.66 | | | 1466.8 | 433 | | | | | | | | |
| OBS | 597 | 2.17 | 34.642 | 27.69 | | | 1468.4 | 428 | | | | | | | | |
| OBS | 799 | 2.15 | 34.701 | 27.74 | | | 1471.8 | 444 | | | | | | | | |
| OBS | 1006 | 1.97 | 34.734 | 27.78 | | | 1474.5 | 472 | | | | | | | | |
| OBS | 1214 | 1.81 | 34.750 | 27.81 | | | 1477.3 | 474 | | | | | | | | |
| OBS | 1715 | 1.36 | 34.757 | 27.85 | | | 1483.8 | 482 | | | | | | | | |
| OBS | 2018 | 1.09 | 34.736 | 27.85 | | | 1487.8 | 483 | | | | | | | | |
| OBS | 2319 | 0.79 | | | | | | 504 | | | | | | | | |
| OBS | 2624 | 0.55 | | | | | | 512 | | | | | | | | |
| OBS | 2933 | 0.30 | | | | | | | | | | | | | | |
| OBS | 3245 | 0.13 | 34.694 | 27.87 | | | 1504.7 | | | | | | | | | |
| OBS | 3454 | 0.07 | 34.690 | 27.87 | | | 1508.1 | | | | | | | | | |
| OBS | 3507 | 0.05 | 34.692 | 27.88 | | | 1509.0 | 542 | | | | | | | | |
| OBS | 3578 | 0.04 | 34.691 | 27.88 | | | 1510.2 | | | | | | | | | |
| ISL | 0 | 0.46 | 34.064 | 27.35 | 73.68 | 0.000 | 1450.1 | | | | | | | | | |
| ISL | 10 | 0.46 | 34.062 | 27.35 | 73.79 | 0.007 | 1450.2 | | | | | | | | | |
| ISL | 20 | 0.45 | 34.061 | 27.35 | 73.89 | 0.015 | 1450.4 | | | | | | | | | |
| ISL | 30 | 0.45 | 34.059 | 27.34 | 73.98 | 0.022 | 1450.5 | | | | | | | | | |
| ISL | 50 | 0.45 | 34.057 | 27.34 | 74.11 | 0.037 | 1450.9 | | | | | | | | | |
| ISL | 75 | 0.45 | 34.056 | 27.34 | 74.23 | 0.056 | 1451.3 | | | | | | | | | |
| ISL | 100 | 0.47 | 34.057 | 27.34 | 74.24 | 0.074 | 1451.8 | | | | | | | | | |
| ISL | 125 | 0.49 | 34.059 | 27.34 | 74.21 | 0.093 | 1452.3 | | | | | | | | | |
| ISL | 150 | 0.51 | 34.060 | 27.34 | 74.20 | 0.111 | 1452.8 | | | | | | | | | |
| ISL | 200 | 1.67 | 34.271 | 27.44 | 66.05 | 0.146 | 1459.1 | | | | | | | | | |
| ISL | 250 | 1.94 | 34.388 | 27.51 | 59.49 | 0.178 | 1461.3 | | | | | | | | | |
| ISL | 300 | 2.01 | 34.432 | 27.54 | 57.03 | 0.207 | 1462.5 | | | | | | | | | |
| ISL | 400 | 2.09 | 34.525 | 27.61 | 51.12 | 0.261 | 1464.6 | | | | | | | | | |
| ISL | 500 | 2.18 | 34.599 | 27.66 | 46.85 | 0.310 | 1466.8 | | | | | | | | | |
| ISL | 600 | 2.17 | 34.643 | 27.69 | 43.93 | 0.355 | 1468.5 | | | | | | | | | |
| ISL | 700 | 2.16 | 34.677 | 27.72 | 41.83 | 0.398 | 1470.1 | | | | | | | | | |
| ISL | 800 | 2.15 | 34.701 | 27.74 | 40.38 | 0.439 | 1471.8 | | | | | | | | | |
| ISL | 900 | 2.06 | 34.720 | 27.76 | 38.60 | 0.479 | 1473.1 | | | | | | | | | |
| ISL | 1000 | 1.97 | 34.733 | 27.78 | 37.22 | 0.517 | 1474.4 | | | | | | | | | |
| ISL | 1100 | 1.90 | 34.743 | 27.80 | 36.17 | 0.553 | 1475.8 | | | | | | | | | |
| ISL | 1200 | 1.82 | 34.749 | 27.81 | 35.35 | 0.589 | 1477.1 | | | | | | | | | |
| ISL | 1300 | 1.73 | 34.754 | 27.82 | 34.45 | 0.624 | 1478.4 | | | | | | | | | |
| ISL | 1400 | 1.64 | 34.758 | 27.83 | 33.59 | 0.658 | 1479.7 | | | | | | | | | |
| ISL | 1500 | 1.55 | 34.760 | 27.84 | 32.89 | 0.691 | 1481.0 | | | | | | | | | |
| ISL | 1750 | 1.33 | 34.755 | 27.85 | 31.57 | 0.772 | 1484.3 | | | | | | | | | |
| ISL | 2000 | 1.11 | 34.737 | 27.85 | 31.05 | 0.850 | 1487.5 | | | | | | | | | |
| ISL | 2250 | 0.86 | 34.723 | 27.85 | 29.72 | 0.926 | 1490.7 | | | | | | | | | |
| ISL | 2500 | 0.65 | 34.713 | 27.86 | 28.32 | 0.999 | 1494.1 | | | | | | | | | |
| ISL | 2750 | 0.45 | 34.706 | 27.87 | 26.62 | 1.067 | 1497.5 | | | | | | | | | |
| ISL | 3000 | 0.26 | 34.699 | 27.87 | 24.83 | 1.132 | 1501.0 | | | | | | | | | |
| ISL | 3250 | 0.13 | 34.694 | 27.87 | 23.59 | 1.192 | 1504.8 | | | | | | | | | |
| ISL | 3500 | 0.05 | 34.692 | 27.88 | 22.67 | 1.250 | 1508.9 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 49 | 1354 | 0 | | 11 | 9 | 71 | 20.4 | 5658.2S | 11010.7E | 504 | 4396 | -3.9 | | 268 | 254 | 12 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 1 | 0.37 | | 34.006 | | 27.31 | | | | 1449.6 | 754 | | | 24 | | |
| OBS | 37 | 0.38 | | 34.035 | | 27.33 | | | | 1450.3 | 788 | | | 24 | | |
| OBS | 74 | 0.39 | | 34.032 | | 27.33 | | | | 1451.0 | 784 | | | 25 | | |
| OBS | 110 | 0.37 | | 34.033 | | 27.33 | | | | 1451.5 | 786 | | | 24 | | |
| OBS | 148 | 0.38 | | 34.039 | | 27.33 | | | | 1452.1 | 776 | | | 25 | | |
| OBS | 222 | 1.67 | | 34.340 | | 27.49 | | | | 1459.6 | 535 | | | 55 | | |
| OBS | 294 | 2.01 | | 34.464 | | 27.56 | | | | 1462.4 | 478 | | | 64 | | |
| OBS | 367 | 2.06 | | 34.526 | | 27.61 | | | | 1463.9 | 451 | | | 68 | | |
| OBS | 438 | 2.08 | | 34.585 | | 27.66 | | | | 1465.3 | 441 | | | 74 | | |
| OBS | 600 | 2.16 | | 34.663 | | 27.71 | | | | 1468.4 | 428 | | | 76 | | |
| OBS | 791 | 2.03 | | 34.713 | | 27.76 | | | | 1471.1 | 444 | | | 80 | | |
| OBS | 990 | 1.88 | | 34.745 | | 27.80 | | | | 1473.8 | 468 | | | 84 | | |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | 0.37 | | 34.006 | | 27.31 | | 77.62 | 0.000 | 1449.6 | | | | | | |
| ISL | 10 | 0.37 | | 34.016 | | 27.31 | | 76.89 | 0.008 | 1449.8 | | | | | | |
| ISL | 20 | 0.38 | | 34.024 | | 27.32 | | 76.22 | 0.015 | 1450.0 | | | | | | |
| ISL | 30 | 0.38 | | 34.031 | | 27.33 | | 75.72 | 0.023 | 1450.2 | | | | | | |
| ISL | 50 | 0.38 | | 34.034 | | 27.33 | | 75.54 | 0.038 | 1450.5 | | | | | | |
| ISL | 75 | 0.39 | | 34.032 | | 27.33 | | 75.71 | 0.057 | 1451.0 | | | | | | |
| ISL | 100 | 0.37 | | 34.032 | | 27.33 | | 75.58 | 0.076 | 1451.3 | | | | | | |
| ISL | 125 | 0.37 | | 34.034 | | 27.33 | | 75.38 | 0.095 | 1451.7 | | | | | | |
| ISL | 150 | 0.40 | | 34.043 | | 27.34 | | 74.86 | 0.114 | 1452.3 | | | | | | |
| ISL | 200 | 1.37 | | 34.269 | | 27.45 | | 64.09 | 0.148 | 1457.8 | | | | | | |
| ISL | 250 | 1.91 | | 34.406 | | 27.53 | | 57.92 | 0.179 | 1461.2 | | | | | | |
| ISL | 300 | 2.02 | | 34.470 | | 27.57 | | 54.28 | 0.207 | 1462.6 | | | | | | |
| ISL | 400 | 2.07 | | 34.554 | | 27.63 | | 48.77 | 0.258 | 1464.6 | | | | | | |
| ISL | 500 | 2.11 | | 34.623 | | 27.68 | | 44.37 | 0.305 | 1466.5 | | | | | | |
| ISL | 600 | 2.16 | | 34.663 | | 27.71 | | 42.36 | 0.348 | 1468.4 | | | | | | |
| ISL | 700 | 2.10 | | 34.695 | | 27.74 | | 39.88 | 0.389 | 1469.9 | | | | | | |
| ISL | 800 | 2.02 | | 34.715 | | 27.76 | | 38.16 | 0.428 | 1471.2 | | | | | | |
| ISL | 900 | 1.95 | | 34.734 | | 27.78 | | 36.55 | 0.466 | 1472.6 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 49 | 1355 | 0 | | 12 | 9 | 71 | 18.5 | 5900.5S | 11007.4E | 504 | 4453 | -1.3 | | 288 | 285 | 22 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 1 | 0.67 | | 34.056 | | 27.33 | | | | 1451.1 | 889 | | | 28 | | |
| OBS | 50 | -0.20 | | | | | | | | | 825 | | | 28 | | |
| OBS | 100 | -0.18 | | 34.052 | | 27.37 | | | | 1448.8 | 808 | | | 29 | | |
| OBS | 150 | -0.22 | | 34.051 | | 27.37 | | | | 1449.4 | 809 | | | 30 | | |
| OBS | 200 | 1.49 | | 34.056C | | 27.28C | | | | 1458.0C | 522 | | | 68 | | |
| OBS | 300 | 1.88 | | 34.419 | | 27.54 | | | | 1461.9 | 458 | | | 74 | | |
| OBS | 401 | 1.94 | | 34.637 | | 27.71 | | | | 1464.1 | 441 | | | 80 | | |
| OBS | 502 | 1.96 | | 34.677 | | 27.74 | | | | 1465.9 | 462 | | | 82 | | |
| OBS | 603 | 1.88 | | 34.704 | | 27.77 | | | | 1467.3 | 458 | | | 86 | | |
| OBS | 804 | 1.86 | | 34.737 | | 27.79 | | | | 1470.6 | 467 | | | 87 | | |
| OBS | 1004 | 1.69 | | 34.745 | | 27.81 | | | | 1473.2 | 491 | | | 92 | | |
| OBS | 1204 | 1.52 | | 34.727C | | 27.81C | | | | 1475.8C | | | | 98 | | |
| OBS | 1290 | 1.43 | | 34.754 | | 27.84 | | | | 1476.9 | | | | 102 | | |
| OBS | 1878 | 0.93 | | 34.723 | | 27.85 | | | | 1484.6 | 489 | | | 118 | | |
| OBS | 2172 | 0.69 | | 34.717 | | 27.86 | | | | 1488.5 | 500 | | | 126 | | |
| OBS | 2468 | 0.48 | | 34.704 | | 27.86 | | | | 1492.7 | 519 | | | 131 | | |
| OBS | 2872 | | | | | | | | | | 533 | | | 137 | | |
| OBS | 3383 | 0.06 | | 34.688 | | 27.87 | | | | 1506.7 | 539 | | | 139 | | |
| OBS | 3895 | | | 34.682 | | | | | | | | | | 133 | | |
| OBS | 4204 | -0.16 | | 34.683 | | 27.88 | | | | 1520.2 | 573 | | | 133 | | |
| OBS | 4256 | -0.16 | | 34.682 | | 27.88 | | | | 1521.2 | 580 | | | 133 | | |
| OBS | 4306 | -0.17 | | 34.686 | | 27.88 | | | | 1522.0 | 589 | | | 133 | | |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | 0.67 | | 34.056 | | 27.33 | | 75.45 | 0.000 | 1451.0 | | | | | | |
| ISL | 10 | 0.46 | | 34.055 | | 27.34 | | 74.32 | 0.007 | 1450.2 | | | | | | |
| ISL | 20 | 0.25 | | 34.055 | | 27.35 | | 73.27 | 0.015 | 1449.5 | | | | | | |
| ISL | 30 | 0.07 | | 34.054 | | 27.36 | | 72.41 | 0.022 | 1448.8 | | | | | | |
| ISL | 50 | -0.20 | | 34.053 | | 27.37 | | 71.14 | 0.037 | 1447.9 | | | | | | |
| ISL | 75 | -0.19 | | 34.053 | | 27.37 | | 71.22 | 0.054 | 1448.4 | | | | | | |
| ISL | 100 | -0.18 | | 34.052 | | 27.37 | | 71.23 | 0.072 | 1448.8 | | | | | | |
| ISL | 125 | -0.20 | | 34.051 | | 27.37 | | 71.14 | 0.090 | 1449.1 | | | | | | |
| ISL | 150 | -0.22 | | 34.051 | | 27.37 | | 71.02 | 0.108 | 1449.4 | | | | | | |
| ISL | 200 | 1.49 | | 34.175 | | 27.37 | | 71.99 | 0.143 | 1458.2 | | | | | | |
| ISL | 250 | 1.78 | | 34.301 | | 27.45 | | 64.78 | 0.178 | 1460.4 | | | | | | |
| ISL | 300 | 1.88 | | 34.419 | | 27.54 | | 56.92 | 0.208 | 1461.9 | | | | | | |
| ISL | 400 | 1.94 | | 34.636 | | 27.71 | | 41.53 | 0.257 | 1464.1 | | | | | | |
| ISL | 500 | 1.96 | | 34.676 | | 27.74 | | 39.09 | 0.298 | 1465.9 | | | | | | |
| ISL | 600 | 1.88 | | 34.703 | | 27.77 | | 36.84 | 0.336 | 1467.3 | | | | | | |
| ISL | 700 | 1.87 | | 34.723 | | 27.78 | | 35.66 | 0.372 | 1468.9 | | | | | | |
| ISL | 800 | 1.86 | | 34.737 | | 27.79 | | 35.02 | 0.407 | 1470.5 | | | | | | |
| ISL | 900 | 1.78 | | 34.741 | | 27.80 | | 34.31 | 0.442 | 1471.9 | | | | | | |
| ISL | 1000 | 1.69 | | 34.745 | | 27.81 | | 33.62 | 0.476 | 1473.2 | | | | | | |
| ISL | 1100 | 1.61 | | 34.748 | | 27.82 | | 32.91 | 0.509 | 1474.5 | | | | | | |
| ISL | 1200 | 1.52 | | 34.752 | | 27.83 | | 32.15 | 0.542 | 1475.8 | | | | | | |
| ISL | 1300 | 1.42 | | 34.754 | | 27.84 | | 31.32 | 0.573 | 1477.0 | | | | | | |
| ISL | 1400 | 1.33 | | 34.750 | | 27.84 | | 31.01 | 0.604 | 1478.3 | | | | | | |
| ISL | 1500 | 1.24 | | 34.742 | | 27.84 | | 31.01 | 0.635 | 1479.6 | | | | | | |
| ISL | 1750 | 1.04 | | 34.728 | | 27.85 | | 30.45 | 0.712 | 1482.9 | | | | | | |
| ISL | 2000 | 0.83 | | 34.720 | | 27.85 | | 29.19 | 0.787 | 1486.2 | | | | | | |
| ISL | 2250 | 0.63 | | 34.714 | | 27.86 | | 27.79 | 0.858 | 1489.6 | | | | | | |
| ISL | 2500 | 0.46 | | 34.703 | | 27.86 | | 26.86 | 0.926 | 1493.1 | | | | | | |
| ISL | 2750 | 0.32 | | 34.697 | | 27.87 | | 25.71 | 0.992 | 1496.8 | | | | | | |
| ISL | 3000 | 0.19 | | 34.693 | | 27.87 | | 24.49 | 1.055 | 1500.6 | | | | | | |
| ISL | 3250 | 0.11 | | 34.690 | | 27.87 | | 23.60 | 1.115 | 1504.6 | | | | | | |
| ISL | 3500 | 0.02 | | 34.686 | | 27.87 | | 22.58 | 1.173 | 1508.6 | | | | | | |
| ISL | 3750 | -0.08 | | 34.683 | | 27.88 | | 21.41 | 1.228 | 1512.5 | | | | | | |
| ISL | 4000 | -0.14 | | 34.682 | | 27.88 | | 20.48 | 1.280 | 1516.7 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 49 | 1356 | 0 | | 13 | 9 | 71 | 15.6 | 5937.7S | 11008.6E | 504 | 4376 | -5.8 | | 247 | 243 | 22 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | -1.92 | 34.099 | 27.47 | | | 1439.1 | | | | 36 | | | | | |
| OBS | 47 | -1.83 | 34.086 | 27.46 | | | 1440.3 | | | | 38 | | | | | |
| OBS | 95 | -1.74 | 34.098 | 27.47 | | | 1441.5 | | | | 39 | | | | | |
| OBS | 139 | -1.34 | 34.162 | 27.51 | | | 1444.2 | | | | 43 | | | | | |
| OBS | 184 | 1.12 | 34.474 | 27.64 | | | 1456.7 | | | | 72 | | | | | |
| OBS | 275 | 1.82 | 34.628 | 27.71 | | | 1461.5 | | | | 80 | | | | | |
| OBS | 368 | 1.85 | 34.680 | 27.75 | | | 1463.2 | | | | 85 | | | | | |
| OBS | 459 | 1.78 | 34.588 | 27.68 | | | 1464.3 | | | | | | | | | |
| OBS | 553 | 1.79 | 34.715 | 27.78 | | | 1466.1 | | | | 87 | | | | | |
| OBS | 739 | 1.70 | 34.744 | 27.81 | | | 1468.8 | | | | 92 | | | | | |
| OBS | 929 | 1.52 | 34.748 | 27.83 | | | 1471.2 | | | | 98 | | | | | |
| OBS | 1123 | 1.35 | 34.752 | 27.84 | | | 1473.7 | | | | 102 | | | | | |
| OBS | 1385 | 1.13 | 34.735 | 27.85 | | | 1477.1 | | | | 106 | | | | | |
| OBS | 1679 | 0.91 | | | | | | | | | 114 | | | | | |
| OBS | 2256 | 0.48 | | | | | | | | | | | | | | |
| OBS | 2541 | 0.30 | 34.678 | 27.85 | | | 1493.0 | | | | 131 | | | | | |
| OBS | 2916 | 0.13 | | | | | | | | | 134 | | | | | |
| OBS | 3410 | -0.02 | | | | | | | | | 134 | | | | | |
| OBS | 3896 | -0.14 | 34.669 | 27.87 | | | 1514.7 | | | | 130 | | | | | |
| OBS | 4095 | -0.18 | | | | | | | | | 129 | | | | | |
| OBS | 4195 | -0.19 | 34.670 | 27.87 | | | 1519.7 | | | | 126 | | | | | |
| OBS | 4245 | -0.20 | | | | | | | | | 125 | | | | | |
| ISL | 0 | -1.92 | 34.099 | 27.47 | 62.06 | 0.000 | 1439.1 | | | | | | | | | |
| ISL | 10 | -1.90 | 34.094 | 27.47 | 62.38 | 0.006 | 1439.3 | | | | | | | | | |
| ISL | 20 | -1.88 | 34.090 | 27.46 | 62.68 | 0.012 | 1439.6 | | | | | | | | | |
| ISL | 30 | -1.86 | 34.087 | 27.46 | 62.87 | 0.019 | 1439.8 | | | | | | | | | |
| ISL | 50 | -1.82 | 34.086 | 27.46 | 62.94 | 0.031 | 1440.3 | | | | | | | | | |
| ISL | 75 | -1.78 | 34.086 | 27.46 | 62.85 | 0.047 | 1441.0 | | | | | | | | | |
| ISL | 100 | -1.71 | 34.102 | 27.47 | 61.64 | 0.063 | 1441.7 | | | | | | | | | |
| ISL | 125 | -1.60 | 34.120 | 27.48 | 60.49 | 0.078 | 1442.7 | | | | | | | | | |
| ISL | 150 | -0.90 | 34.220 | 27.54 | 55.12 | 0.092 | 1446.6 | | | | | | | | | |
| ISL | 200 | 1.55 | 34.543 | 27.66 | 44.67 | 0.117 | 1459.0 | | | | | | | | | |
| ISL | 250 | 1.72 | 34.601 | 27.70 | 41.77 | 0.139 | 1460.6 | | | | | | | | | |
| ISL | 300 | 1.87 | 34.655 | 27.73 | 39.06 | 0.159 | 1462.2 | | | | | | | | | |
| ISL | 400 | 1.83 | 34.662 | 27.74 | 38.64 | 0.198 | 1463.6 | | | | | | | | | |
| ISL | 500 | 1.79 | 34.651 | 27.73 | 39.49 | 0.237 | 1465.1 | | | | | | | | | |
| ISL | 600 | 1.78 | 34.734 | 27.80 | 33.68 | 0.274 | 1466.8 | | | | | | | | | |
| ISL | 700 | 1.73 | 34.741 | 27.81 | 33.10 | 0.307 | 1468.3 | | | | | | | | | |
| ISL | 800 | 1.64 | 34.745 | 27.82 | 32.37 | 0.340 | 1469.6 | | | | | | | | | |
| ISL | 900 | 1.55 | 34.747 | 27.83 | 31.69 | 0.372 | 1470.8 | | | | | | | | | |
| ISL | 1000 | 1.46 | 34.749 | 27.83 | 31.05 | 0.403 | 1472.1 | | | | | | | | | |
| ISL | 1100 | 1.37 | 34.752 | 27.84 | 30.40 | 0.434 | 1473.4 | | | | | | | | | |
| ISL | 1200 | 1.28 | 34.747 | 27.84 | 30.18 | 0.464 | 1474.7 | | | | | | | | | |
| ISL | 1300 | 1.20 | 34.741 | 27.84 | 30.11 | 0.494 | 1476.0 | | | | | | | | | |
| ISL | 1400 | 1.12 | 34.734 | 27.85 | 30.05 | 0.524 | 1477.3 | | | | | | | | | |
| ISL | 1500 | 1.04 | 34.728 | 27.85 | 29.99 | 0.554 | 1478.6 | | | | | | | | | |
| ISL | 1750 | 0.86 | 34.714 | 27.85 | 29.61 | 0.629 | 1482.0 | | | | | | | | | |
| ISL | 2000 | 0.67 | 34.699 | 27.85 | 29.05 | 0.702 | 1485.4 | | | | | | | | | |
| ISL | 2250 | 0.48 | 34.689 | 27.85 | 27.99 | 0.774 | 1488.8 | | | | | | | | | |
| ISL | 2500 | 0.32 | 34.679 | 27.85 | 26.98 | 0.842 | 1492.4 | | | | | | | | | |
| ISL | 2750 | 0.20 | 34.673 | 27.85 | 25.98 | 0.908 | 1496.1 | | | | | | | | | |
| ISL | 3000 | 0.10 | 34.670 | 27.86 | 25.01 | 0.972 | 1500.0 | | | | | | | | | |
| ISL | 3250 | 0.02 | 34.670 | 27.86 | 23.97 | 1.033 | 1504.0 | | | | | | | | | |
| ISL | 3500 | -0.04 | 34.669 | 27.86 | 23.01 | 1.092 | 1508.1 | | | | | | | | | |
| ISL | 3750 | -0.11 | 34.669 | 27.87 | 22.04 | 1.148 | 1512.2 | | | | | | | | | |
| ISL | 4000 | -0.16 | 34.669 | 27.87 | 21.02 | 1.202 | 1516.4 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 49 | 1357 | 0 | | 18 | 9 | 71 | 6.7 | 5821.5S | 9001.4E | 506 | 4568 | -1.0 | | 284 | 274 | 22 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² -ml/l | PHOS 10 ² -µgat/l | NITR 10-µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | -0.97 | 33.904 | 27.29 | | | 1443.3 | | | | | | | | | |
| OBS | 48 | -0.97 | 33.904 | 27.29 | | | 1444.1 | | | | | | | | | |
| OBS | 95 | -0.92 | 33.908 | 27.29 | | | 1445.1 | | | | | | | | | |
| OBS | 141 | 1.43 | 34.215 | 27.41 | | | 1457.0 | | | | | | | | | |
| OBS | 187 | 1.93 | 34.345 | 27.47 | | | 1460.1 | | | | | | | | | |
| OBS | 277 | 1.98 | 34.437 | 27.54 | | | 1462.0 | | | | | | | | | |
| OBS | 368 | 2.07 | 34.541 | 27.62 | | | 1464.0 | | | | | | | | | |
| OBS | 461 | 2.12 | 34.615 | 27.68 | | | 1465.9 | | | | | | | | | |
| OBS | 549 | 2.12 | 34.649 | 27.70 | | | 1467.4 | | | | | | | | | |
| OBS | 725 | 2.02 | 34.710 | 27.76 | | | 1470.0 | | | | | | | | | |
| OBS | 915 | 1.79 | 34.733 | 27.80 | | | 1472.2 | | | | | | | | | |
| OBS | 1109 | 1.67 | 34.746 | 27.82 | | | 1474.9 | | | | | | | | | |
| OBS | 1390 | 0.92Q | 34.751 | 27.87Q | | | 1476.3Q | 493 | | | | | | | | 94 |
| OBS | 1686 | 1.13 | 34.755 | 27.86 | | | 1482.3 | 491 | | | | | | | | 103 |
| OBS | 2278 | 0.63 | 34.708 | 27.86 | | | 1490.1 | 513 | | | | | | | | 120 |
| OBS | 2527 | 0.45 | 34.702 | 27.86 | | | 1493.6 | 515 | | | | | | | | 119 |
| OBS | 2973 | | 34.688 | | | | | 536 | | | | | | | | 123 |
| OBS | 3472 | 0.06 | 34.678 | 27.86 | | | 1508.3 | 560 | | | | | | | | 124 |
| OBS | 3970 | -0.06 | 34.692Q | 27.88Q | | | 1516.6Q | 573 | | | | | | | | 123 |
| OBS | 4320 | -0.12 | 34.691Q | 27.88Q | | | 1522.5Q | 575 | | | | | | | | 123 |
| OBS | 4420 | -0.12 | 34.685 | 27.88 | | | 1524.3 | 583 | | | | | | | | 122 |
| OBS | 4470 | -0.13 | 34.680 | 27.88 | | | 1525.2 | 589 | | | | | | | | 121 |
| ISL | 0 | -0.97 | 33.904 | 27.29 | 79.63 | 0.000 | 1443.3 | | | | | | | | | |
| ISL | 10 | -0.98 | 33.903 | 27.29 | 79.60 | 0.008 | 1443.4 | | | | | | | | | |
| ISL | 20 | -0.98 | 33.903 | 27.29 | 79.58 | 0.016 | 1443.6 | | | | | | | | | |
| ISL | 30 | -0.98 | 33.903 | 27.29 | 79.54 | 0.024 | 1443.7 | | | | | | | | | |
| ISL | 50 | -0.97 | 33.904 | 27.29 | 79.41 | 0.040 | 1444.1 | | | | | | | | | |
| ISL | 75 | -0.96 | 33.905 | 27.29 | 79.25 | 0.060 | 1444.6 | | | | | | | | | |
| ISL | 100 | -0.77 | 33.929 | 27.30 | 78.05 | 0.079 | 1445.9 | | | | | | | | | |
| ISL | 125 | 0.77 | 34.128 | 27.38 | 70.66 | 0.098 | 1453.6 | | | | | | | | | |
| ISL | 150 | 1.65 | 34.252 | 27.42 | 67.23 | 0.115 | 1458.2 | | | | | | | | | |
| ISL | 200 | 1.94 | 34.359 | 27.49 | 61.51 | 0.147 | 1460.4 | | | | | | | | | |
| ISL | 250 | 1.96 | 34.409 | 27.52 | 58.14 | 0.177 | 1461.4 | | | | | | | | | |
| ISL | 300 | 2.00 | 34.462 | 27.56 | 54.61 | 0.205 | 1462.5 | | | | | | | | | |
| ISL | 400 | 2.09 | 34.571 | 27.64 | 47.73 | 0.257 | 1464.7 | | | | | | | | | |
| ISL | 500 | 2.12 | 34.631 | 27.69 | 43.94 | 0.302 | 1466.6 | | | | | | | | | |
| ISL | 600 | 2.10 | 34.668 | 27.72 | 41.48 | 0.345 | 1468.2 | | | | | | | | | |
| ISL | 700 | 2.04 | 34.703 | 27.75 | 38.74 | 0.385 | 1469.6 | | | | | | | | | |
| ISL | 800 | 1.93 | 34.723 | 27.78 | 36.72 | 0.423 | 1470.9 | | | | | | | | | |
| ISL | 900 | 1.80 | 34.732 | 27.79 | 35.27 | 0.459 | 1472.0 | | | | | | | | | |
| ISL | 1000 | 1.74 | 34.740 | 27.81 | 34.45 | 0.494 | 1473.4 | | | | | | | | | |
| ISL | 1100 | 1.68 | 34.746 | 27.81 | 33.77 | 0.528 | 1474.8 | | | | | | | | | |
| ISL | 1200 | 1.59 | 34.748 | 27.82 | 33.10 | 0.561 | 1476.1 | | | | | | | | | |
| ISL | 1300 | 1.49 | 34.750 | 27.83 | 32.28 | 0.594 | 1477.3 | | | | | | | | | |
| ISL | 1400 | 1.39 | 34.751 | 27.84 | 31.55 | 0.626 | 1478.6 | | | | | | | | | |
| ISL | 1500 | 1.30 | 34.753 | 27.85 | 30.77 | 0.657 | 1479.9 | | | | | | | | | |
| ISL | 1750 | 1.07 | 34.752 | 27.86 | 29.06 | 0.732 | 1483.1 | | | | | | | | | |
| ISL | 2000 | 0.85 | 34.727 | 27.86 | 28.98 | 0.804 | 1486.3 | | | | | | | | | |
| ISL | 2250 | 0.65 | 34.709 | 27.86 | 28.37 | 0.876 | 1489.7 | | | | | | | | | |
| ISL | 2500 | 0.47 | 34.703 | 27.86 | 26.97 | 0.945 | 1493.2 | | | | | | | | | |
| ISL | 2750 | 0.32 | 34.695 | 27.86 | 25.84 | 1.011 | 1496.8 | | | | | | | | | |
| ISL | 3000 | 0.21 | 34.687 | 27.86 | 25.09 | 1.075 | 1500.7 | | | | | | | | | |
| ISL | 3250 | 0.13 | 34.681 | 27.86 | 24.52 | 1.137 | 1504.7 | | | | | | | | | |
| ISL | 3500 | 0.05 | 34.678 | 27.86 | 23.69 | 1.197 | 1508.7 | | | | | | | | | |
| ISL | 3750 | -0.01 | 34.677 | 27.87 | 22.76 | 1.255 | 1512.9 | | | | | | | | | |
| ISL | 4000 | -0.07 | 34.678 | 27.87 | 21.80 | 1.311 | 1517.1 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 49 | 1358 | 0 | | 19 | 9 | 71 | 6.1 | 5648.8S | 8947.0E | 507 | 4099 | -C.9 | | 358 | 354 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | -0.90 | 34.065 | 27.41 | | | 1443.9 | 830 | | | 31 | | | | | |
| OBS | 48 | -0.91 | 34.049 | 27.40 | | | 1444.6 | 828 | | | 32 | | | | | |
| OBS | 98 | -0.89 | 34.045 | 27.40 | | | 1445.5 | 821 | | | 32 | | | | | |
| OBS | 148 | -0.63 | 34.100 | 27.43 | | | 1447.6 | 793 | | | 36 | | | | | |
| OBS | 197 | 1.51 | 34.453 | 27.59 | | | 1458.6 | 487 | | | 68 | | | | | |
| OBS | 296 | 1.81 | 34.590 | 27.68 | | | 1461.8 | 449 | | | 75 | | | | | |
| OBS | 394 | 1.90 | 34.642 | 27.71 | | | 1463.8 | 450 | | | 77 | | | | | |
| OBS | 492 | 2.37C | 34.683 | 27.71C | | | 1467.6C | 448 | | | 82 | | | | | |
| OBS | 591 | 1.84 | 34.709 | 27.77 | | | 1466.9 | 453 | | | 83 | | | | | |
| OBS | 784 | 1.79 | 34.735 | 27.80 | | | 1470.0 | 457 | | | 86 | | | | | |
| OBS | 977 | 1.60 | 34.761 | 27.83 | | | 1472.4 | 485 | | | 90 | | | | | |
| OBS | 1171 | 1.44 | 34.749 | 27.83 | | | 1474.9 | 483 | | | 97 | | | | | |
| OBS | 1318 | 1.34 | 34.740 | 27.83 | | | 1477.0 | 478 | | | 98 | | | | | |
| OBS | 1509 | 1.17 | 34.733 | 27.84 | | | 1479.4 | 473 | | | 105 | | | | | |
| OBS | 1703 | 1.14 | 34.727 | 27.84 | | | 1482.6 | 505 | | | 106 | | | | | |
| OBS | 1898 | 0.86 | | | | | | | | | | | | | | |
| OBS | 2387 | 0.51 | 34.708 | 27.86 | | | 1491.5 | 506 | | | 119 | | | | | |
| OBS | 2683 | 0.35 | 34.691 | 27.86 | | | 1495.8 | 514 | | | 123 | | | | | |
| OBS | 2882 | 0.24 | 34.689 | 27.86 | | | 1498.8 | 527 | | | 126 | | | | | |
| OBS | 3380 | 0.07 | 34.678 | 27.86 | | | 1506.7 | 555 | | | 126 | | | | | |
| OBS | 3681 | -0.03 | | | | | | | | | | | | | | |
| OBS | 3882 | -0.08 | 34.677 | 27.87 | | | 1514.9 | 567 | | | 126 | | | | | |
| OBS | 3942 | -0.08 | | | | | | | | | | | | | | |
| ISL | 0 | -0.90 | 34.065 | 27.41 | 67.54 | 0.000 | 1443.8 | | | | | | | | | |
| ISL | 10 | -0.91 | 34.061 | 27.41 | 67.82 | 0.007 | 1444.0 | | | | | | | | | |
| ISL | 20 | -0.91 | 34.056 | 27.41 | 68.09 | 0.014 | 1444.1 | | | | | | | | | |
| ISL | 30 | -0.91 | 34.053 | 27.40 | 68.30 | 0.020 | 1444.3 | | | | | | | | | |
| ISL | 50 | -0.91 | 34.049 | 27.40 | 68.56 | 0.034 | 1444.6 | | | | | | | | | |
| ISL | 75 | -0.91 | 34.043 | 27.40 | 68.91 | 0.051 | 1445.0 | | | | | | | | | |
| ISL | 100 | -0.88 | 34.046 | 27.40 | 68.65 | 0.068 | 1445.5 | | | | | | | | | |
| ISL | 125 | -0.82 | 34.056 | 27.40 | 68.03 | 0.086 | 1446.3 | | | | | | | | | |
| ISL | 150 | -0.58 | 34.109 | 27.44 | 64.97 | 0.102 | 1447.9 | | | | | | | | | |
| ISL | 200 | 1.59 | 34.467 | 27.60 | 50.68 | 0.131 | 1459.0 | | | | | | | | | |
| ISL | 250 | 1.72 | 34.548 | 27.65 | 45.73 | 0.155 | 1460.5 | | | | | | | | | |
| ISL | 300 | 1.82 | 34.593 | 27.68 | 43.30 | 0.177 | 1461.9 | | | | | | | | | |
| ISL | 400 | 1.90 | 34.645 | 27.72 | 40.48 | 0.219 | 1463.9 | | | | | | | | | |
| ISL | 500 | 1.87 | 34.686 | 27.75 | 37.61 | 0.258 | 1465.5 | | | | | | | | | |
| ISL | 600 | 1.84 | 34.710 | 27.77 | 35.93 | 0.295 | 1467.1 | | | | | | | | | |
| ISL | 700 | 1.81 | 34.724 | 27.79 | 35.11 | 0.331 | 1468.7 | | | | | | | | | |
| ISL | 800 | 1.78 | 34.737 | 27.80 | 34.20 | 0.365 | 1470.2 | | | | | | | | | |
| ISL | 900 | 1.67 | 34.751 | 27.82 | 32.63 | 0.399 | 1471.4 | | | | | | | | | |
| ISL | 1000 | 1.58 | 34.760 | 27.83 | 31.44 | 0.431 | 1472.7 | | | | | | | | | |
| ISL | 1100 | 1.49 | 34.753 | 27.83 | 31.45 | 0.462 | 1474.0 | | | | | | | | | |
| ISL | 1200 | 1.42 | 34.747 | 27.83 | 31.50 | 0.494 | 1475.3 | | | | | | | | | |
| ISL | 1300 | 1.35 | 34.741 | 27.83 | 31.60 | 0.525 | 1476.7 | | | | | | | | | |
| ISL | 1400 | 1.27 | 34.737 | 27.84 | 31.40 | 0.557 | 1478.0 | | | | | | | | | |
| ISL | 1500 | 1.18 | 34.733 | 27.84 | 30.92 | 0.588 | 1479.3 | | | | | | | | | |
| ISL | 1750 | 1.08 | 34.726 | 27.84 | 31.11 | 0.665 | 1483.1 | | | | | | | | | |
| ISL | 2000 | 0.75 | 34.718 | 27.86 | 28.53 | 0.740 | 1485.9 | | | | | | | | | |
| ISL | 2250 | 0.60 | 34.712 | 27.86 | 27.56 | 0.810 | 1489.5 | | | | | | | | | |
| ISL | 2500 | 0.45 | 34.702 | 27.86 | 26.80 | 0.878 | 1493.1 | | | | | | | | | |
| ISL | 2750 | 0.31 | 34.690 | 27.86 | 26.13 | 0.944 | 1496.8 | | | | | | | | | |
| ISL | 3000 | 0.20 | 34.687 | 27.86 | 25.00 | 1.008 | 1500.7 | | | | | | | | | |
| ISL | 3250 | 0.11 | 34.680 | 27.86 | 24.35 | 1.070 | 1504.7 | | | | | | | | | |
| ISL | 3500 | 0.03 | 34.677 | 27.86 | 23.42 | 1.130 | 1508.7 | | | | | | | | | |
| ISL | 3750 | -0.05 | 34.676 | 27.87 | 22.27 | 1.187 | 1512.7 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 49 | 1359 | 0 | | 20 | 9 | 71 | 7.7 | 5448.5S | 9006.6E | 506 | 4445 | 0.7 | | 235 | 244 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 1.46 | 34.071 | 27.29 | | | 1454.6 | 806 | | | 28 | | | | | |
| OBS | 45 | 0.55 | 34.046 | 27.33 | | | 1451.2 | 795 | | | 29 | | | | | |
| OBS | 92 | 0.59 | 34.049 | 27.33 | | | 1452.2 | 786 | | | 29 | | | | | |
| OBS | 138 | 0.61 | 34.051 | 27.33 | | | 1453.0 | 788 | | | 30 | | | | | |
| OBS | 184 | 1.62 | 34.255 | 27.43 | | | 1458.6 | 577 | | | 47 | | | | | |
| OBS | 279 | 1.85 | 34.410 | 27.53 | | | 1461.4 | 500 | | | 61 | | | | | |
| OBS | 374 | 2.17 | 34.535 | 27.61 | | | 1464.5 | 440 | | | 71 | | | | | |
| OBS | 467 | 2.14 | 34.589 | 27.65 | | | 1466.0 | 446 | | | 74 | | | | | |
| OBS | 560 | 2.19 | 34.640 | 27.69 | | | 1467.9 | 428 | | | 77 | | | | | |
| OBS | 737 | 2.04 | 34.705 | 27.75 | | | 1470.2 | 441 | | | 84 | | | | | |
| OBS | 928 | 1.97 | 34.732 | 27.78 | | | 1473.1 | 457 | | | 84 | | | | | |
| OBS | 1126 | 1.82 | 34.751 | 27.81 | | | 1475.8 | 485 | | | 88 | | | | | |
| OBS | 1279 | 1.70 | 34.786C | 27.85C | | | 1477.9C | 474 | | | 91 | | | | | |
| OBS | 1572 | 1.37 | 34.754 | 27.84 | | | 1481.4 | 472 | | | 102 | | | | | |
| OBS | 1867 | 1.11 | 34.751 | 27.86 | | | 1485.2 | 493 | | | 134C | | | | | |
| OBS | 2163 | 0.86 | | | | | | | | | | | | | | |
| OBS | 2657 | 0.48 | 34.709C | 27.87C | | | 1495.9C | 509 | | | 126 | | | | | |
| OBS | 2854 | 0.38 | 34.712 | 27.87 | | | 1498.9 | 529 | | | 130 | | | | | |
| OBS | 3351 | 0.17 | 34.699 | 27.87 | | | 1506.6 | 540 | | | 129 | | | | | |
| OBS | 3850 | 0.03 | 34.697 | 27.88 | | | 1514.8 | 561 | | | 136 | | | | | |
| OBS | 4200 | -0.04 | 34.709C | 27.89C | | | 1520.7C | 565 | | | 136 | | | | | |
| OBS | 4300 | -0.04 | 34.696 | 27.88 | | | 1522.5 | 569 | | | 138 | | | | | |
| OBS | 4350 | -0.04 | | | | | | 568 | | | 132 | | | | | |
| ISL | 0 | 1.46 | 34.071 | 27.29 | 79.15 | 0.000 | 1454.6 | | | | | | | | | |
| ISL | 10 | 1.21 | 34.064 | 27.30 | 78.08 | 0.008 | 1453.7 | | | | | | | | | |
| ISL | 20 | 0.98 | 34.058 | 27.31 | 77.14 | 0.016 | 1452.8 | | | | | | | | | |
| ISL | 30 | 0.78 | 34.052 | 27.32 | 76.37 | 0.023 | 1452.0 | | | | | | | | | |
| ISL | 50 | 0.55 | 34.046 | 27.33 | 75.52 | 0.038 | 1451.3 | | | | | | | | | |
| ISL | 75 | 0.58 | 34.048 | 27.33 | 75.54 | 0.057 | 1451.8 | | | | | | | | | |
| ISL | 100 | 0.59 | 34.049 | 27.33 | 75.53 | 0.076 | 1452.3 | | | | | | | | | |
| ISL | 125 | 0.60 | 34.050 | 27.33 | 75.51 | 0.095 | 1452.8 | | | | | | | | | |
| ISL | 150 | 0.80 | 34.095 | 27.35 | 73.35 | 0.114 | 1454.2 | | | | | | | | | |
| ISL | 200 | 1.67 | 34.296 | 27.46 | 64.18 | 0.148 | 1459.1 | | | | | | | | | |
| ISL | 250 | 1.77 | 34.367 | 27.50 | 59.77 | 0.179 | 1460.5 | | | | | | | | | |
| ISL | 300 | 1.91 | 34.441 | 27.55 | 55.52 | 0.208 | 1462.1 | | | | | | | | | |
| ISL | 400 | 2.15 | 34.551 | 27.62 | 49.69 | 0.261 | 1464.9 | | | | | | | | | |
| ISL | 500 | 2.15 | 34.608 | 27.67 | 45.91 | 0.308 | 1466.6 | | | | | | | | | |
| ISL | 600 | 2.16 | 34.658 | 27.71 | 42.69 | 0.353 | 1468.4 | | | | | | | | | |
| ISL | 700 | 2.07 | 34.695 | 27.74 | 39.60 | 0.394 | 1469.7 | | | | | | | | | |
| ISL | 800 | 2.01 | 34.717 | 27.77 | 37.87 | 0.433 | 1471.2 | | | | | | | | | |
| ISL | 900 | 1.98 | 34.729 | 27.78 | 37.23 | 0.470 | 1472.7 | | | | | | | | | |
| ISL | 1000 | 1.92 | 34.740 | 27.79 | 36.16 | 0.507 | 1474.1 | | | | | | | | | |
| ISL | 1100 | 1.84 | 34.749 | 27.80 | 35.14 | 0.542 | 1475.5 | | | | | | | | | |
| ISL | 1200 | 1.76 | 34.755 | 27.82 | 34.34 | 0.577 | 1476.8 | | | | | | | | | |
| ISL | 1300 | 1.68 | 34.755 | 27.82 | 33.87 | 0.611 | 1478.1 | | | | | | | | | |
| ISL | 1400 | 1.56 | 34.754 | 27.83 | 33.07 | 0.645 | 1479.3 | | | | | | | | | |
| ISL | 1500 | 1.44 | 34.754 | 27.84 | 32.17 | 0.677 | 1480.5 | | | | | | | | | |
| ISL | 1750 | 1.21 | 34.753 | 27.85 | 30.51 | 0.756 | 1483.7 | | | | | | | | | |
| ISL | 2000 | 1.00 | 34.747 | 27.86 | 29.12 | 0.830 | 1487.0 | | | | | | | | | |
| ISL | 2250 | 0.79 | 34.735 | 27.87 | 28.09 | 0.902 | 1490.3 | | | | | | | | | |
| ISL | 2500 | 0.59 | 34.724 | 27.87 | 26.77 | 0.970 | 1493.7 | | | | | | | | | |
| ISL | 2750 | 0.43 | 34.715 | 27.87 | 25.75 | 1.036 | 1497.3 | | | | | | | | | |
| ISL | 3000 | 0.31 | 34.707 | 27.87 | 24.96 | 1.099 | 1501.1 | | | | | | | | | |
| ISL | 3250 | 0.21 | 34.701 | 27.87 | 24.14 | 1.161 | 1505.0 | | | | | | | | | |
| ISL | 3500 | 0.12 | 34.698 | 27.88 | 23.17 | 1.220 | 1509.0 | | | | | | | | | |
| ISL | 3750 | 0.05 | 34.697 | 27.88 | 22.23 | 1.277 | 1513.1 | | | | | | | | | |
| ISL | 4000 | -0.01 | 34.697 | 27.88 | 21.34 | 1.331 | 1517.3 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|--|-----|-----|-----|
| EL 49 | 1360 | 0 | | 21 | 9 | 71 | 10.3 | 5248.8S | 8959.2E | 507 | 4195 | 1.1 | | 304 | 303 | 22 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² -ml/l | PHOS 10 ² -µgat/l | NITR 10-µgat/l | SILIC µgat/l | | | | |
| OBS | 1 | 1.99 | 34.0820 | | 27.260 | | | 1457.00 | 783 | | | 18 | | | | |
| OBS | 46 | 1.98 | 34.022 | | 27.21 | | | 1457.6 | 777 | | | 18 | | | | |
| OBS | 93 | 1.97 | 34.025 | | 27.22 | | | 1458.3 | 770 | | | 18 | | | | |
| OBS | 140 | 1.96 | 34.025 | | 27.22 | | | 1459.1 | 775 | | | 18 | | | | |
| OBS | 188 | 0.98 | 34.027 | | 27.29 | | | 1455.5 | 780 | | | 24 | | | | |
| OBS | 284 | 1.22 | 34.159 | | 27.38 | | | 1458.3 | 675 | | | 36 | | | | |
| OBS | 383 | 1.98 | 34.374 | | 27.49 | | | 1463.6 | 516 | | | 54 | | | | |
| OBS | 480 | 2.19 | 34.486 | | 27.57 | | | 1466.3 | 452 | | | 62 | | | | |
| OBS | 581 | 2.28 | 34.562 | | 27.62 | | | 1468.5 | 432 | | | 66 | | | | |
| OBS | 781 | 2.26 | 34.647 | | 27.69 | | | 1471.8 | 433 | | | 72 | | | | |
| OBS | 983 | 2.18 | 34.706 | | 27.74 | | | 1474.9 | 447 | | | 73 | | | | |
| OBS | 1163 | 2.06 | 34.742 | | 27.78 | | | 1477.5 | 458 | | | 77 | | | | |
| OBS | 1434 | 1.89 | 34.772 | | 27.82 | | | 1481.3 | 457 | | | 81 | | | | |
| OBS | 1737 | 1.64 | 34.758 | | 27.83 | | | 1485.3 | 476 | | | 88 | | | | |
| OBS | 2035 | 1.37 | 34.758 | | 27.85 | | | 1489.2 | 483 | | | 95 | | | | |
| OBS | 2334 | 1.08 | 34.742 | | 27.85 | | | 1493.0 | 498 | | | 102 | | | | |
| OBS | 2732 | 0.76 | 34.726 | | 27.86 | | | 1498.4 | 507 | | | 112 | | | | |
| OBS | 3232 | 0.39 | 34.711 | | 27.87 | | | 1505.4 | 525 | | | 120 | | | | |
| OBS | 3732 | 0.14 | 34.700 | | 27.88 | | | 1513.1 | 555 | | | 121 | | | | |
| OBS | 4030 | 0.05 | 34.695 | | 27.88 | | | 1517.9 | 552 | | | 124 | | | | |
| OBS | 4080 | 0.04 | 34.694 | | 27.88 | | | 1518.8 | 557 | | | 123 | | | | |
| OBS | 4130 | 0.04 | 34.697 | | 27.88 | | | 1519.7 | 555 | | | 124 | | | | |
| ISL | 0 | 1.99 | 34.022 | | 27.21 | 86.57 | 0.000 | 1456.9 | | | | | | | | |
| ISL | 10 | 1.99 | 34.022 | | 27.21 | 86.58 | 0.009 | 1457.0 | | | | | | | | |
| ISL | 20 | 1.99 | 34.022 | | 27.21 | 86.62 | 0.017 | 1457.2 | | | | | | | | |
| ISL | 30 | 1.98 | 34.022 | | 27.21 | 86.63 | 0.026 | 1457.3 | | | | | | | | |
| ISL | 50 | 1.98 | 34.022 | | 27.21 | 86.63 | 0.043 | 1457.7 | | | | | | | | |
| ISL | 75 | 1.97 | 34.024 | | 27.22 | 86.57 | 0.065 | 1458.0 | | | | | | | | |
| ISL | 100 | 1.97 | 34.025 | | 27.22 | 86.55 | 0.087 | 1458.4 | | | | | | | | |
| ISL | 125 | 1.96 | 34.025 | | 27.22 | 86.62 | 0.108 | 1458.8 | | | | | | | | |
| ISL | 150 | 1.83 | 34.025 | | 27.23 | 85.66 | 0.130 | 1458.6 | | | | | | | | |
| ISL | 200 | 0.85 | 34.034 | | 27.30 | 78.30 | 0.171 | 1455.1 | | | | | | | | |
| ISL | 250 | 1.04 | 34.096 | | 27.34 | 74.91 | 0.209 | 1456.9 | | | | | | | | |
| ISL | 300 | 1.31 | 34.188 | | 27.39 | 69.93 | 0.245 | 1459.0 | | | | | | | | |
| ISL | 400 | 2.05 | 34.399 | | 27.51 | 60.20 | 0.310 | 1464.2 | | | | | | | | |
| ISL | 500 | 2.22 | 34.504 | | 27.58 | 54.29 | 0.368 | 1466.8 | | | | | | | | |
| ISL | 600 | 2.29 | 34.574 | | 27.63 | 50.21 | 0.420 | 1468.8 | | | | | | | | |
| ISL | 700 | 2.28 | 34.619 | | 27.67 | 47.28 | 0.469 | 1470.5 | | | | | | | | |
| ISL | 800 | 2.25 | 34.654 | | 27.70 | 44.94 | 0.515 | 1472.1 | | | | | | | | |
| ISL | 900 | 2.22 | 34.685 | | 27.72 | 42.81 | 0.559 | 1473.7 | | | | | | | | |
| ISL | 1000 | 2.17 | 34.710 | | 27.75 | 40.89 | 0.600 | 1475.2 | | | | | | | | |
| ISL | 1100 | 2.10 | 34.731 | | 27.77 | 39.14 | 0.640 | 1476.6 | | | | | | | | |
| ISL | 1200 | 2.04 | 34.748 | | 27.79 | 37.66 | 0.679 | 1478.0 | | | | | | | | |
| ISL | 1300 | 1.97 | 34.762 | | 27.80 | 36.42 | 0.716 | 1479.4 | | | | | | | | |
| ISL | 1400 | 1.91 | 34.770 | | 27.82 | 35.60 | 0.752 | 1480.8 | | | | | | | | |
| ISL | 1500 | 1.84 | 34.769 | | 27.82 | 35.30 | 0.787 | 1482.2 | | | | | | | | |
| ISL | 1750 | 1.63 | 34.758 | | 27.83 | 34.75 | 0.875 | 1485.5 | | | | | | | | |
| ISL | 2000 | 1.40 | 34.759 | | 27.85 | 32.88 | 0.959 | 1488.7 | | | | | | | | |
| ISL | 2250 | 1.16 | 34.746 | | 27.85 | 31.61 | 1.040 | 1491.9 | | | | | | | | |
| ISL | 2500 | 0.94 | 34.735 | | 27.86 | 30.27 | 1.117 | 1495.2 | | | | | | | | |
| ISL | 2750 | 0.75 | 34.725 | | 27.86 | 28.94 | 1.191 | 1498.6 | | | | | | | | |
| ISL | 3000 | 0.55 | 34.717 | | 27.87 | 27.31 | 1.262 | 1502.1 | | | | | | | | |
| ISL | 3250 | 0.38 | 34.711 | | 27.87 | 25.71 | 1.328 | 1505.7 | | | | | | | | |
| ISL | 3500 | 0.24 | 34.705 | | 27.88 | 24.33 | 1.391 | 1509.4 | | | | | | | | |
| ISL | 3750 | 0.13 | 34.700 | | 27.88 | 23.19 | 1.450 | 1513.4 | | | | | | | | |
| ISL | 4000 | 0.06 | 34.696 | | 27.88 | 22.35 | 1.507 | 1517.4 | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 49 | 1361 | 0 | | 22 | 9 | 71 | 12.4 | 5025.3S | 9016.3E | 506 | 4176 | -1.3 | | 227 | 225 | 23 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 1 | 3.91 | | 33.986 | | 27.01 | | | | 1465.1 | 746 | | | | | 13 |
| OBS | 48 | 3.91 | | 33.987 | | 27.01 | | | | 1465.9 | 745 | | | | | 13 |
| OBS | 96 | 3.92 | | 33.987 | | 27.01 | | | | 1466.7 | 755 | | | | | 13 |
| OBS | 143 | 3.90 | | 33.993 | | 27.02 | | | | 1467.4 | 744 | | | | | 13 |
| OBS | 190 | 3.88 | | 34.028 | | 27.05 | | | | 1468.2 | 730 | | | | | 13 |
| OBS | 284 | 3.56 | | 34.096 | | 27.13 | | | | 1468.4 | 661 | | | | | |
| OBS | 377 | 3.65 | | 34.208 | | 27.21 | | | | 1470.5 | 602 | | | | | 25 |
| OBS | 470 | 2.98 | | 34.233 | | 27.30 | | | | 1469.2 | 565 | | | | | 32 |
| OBS | 563 | 2.95 | | 34.293 | | 27.35 | | | | 1470.7 | 527 | | | | | 41 |
| OBS | 753 | 2.47 | | 34.408 | | 27.48 | | | | 1471.9 | 467 | | | | | 58 |
| OBS | 949 | 2.39 | | 34.510 | | 27.57 | | | | 1475.0 | 466 | | | | | 70 |
| OBS | 1092 | 2.35 | | 34.610 | | 27.65 | | | | 1477.3 | 424 | | | | | 76 |
| OBS | 1150 | 2.41 | | 34.629 | | 27.66 | | | | 1478.6 | 445 | | | | | 75 |
| OBS | 1349 | | | 34.702 | | | | | | | 429 | | | | | |
| OBS | 1607 | 2.16 | | 34.738 | | 27.77 | | | | 1485.3 | 462 | | | | | 82 |
| OBS | 1865 | 1.97 | | 34.759 | | 27.80 | | | | 1488.9 | 470 | | | | | 86 |
| OBS | 2138 | 1.72 | | 34.765 | | 27.83 | | | | 1492.5 | 484 | | | | | 94 |
| OBS | 2513 | 1.34 | | 34.743 | | 27.84 | | | | 1497.2 | 485 | | | | | 106 |
| OBS | 2797 | 1.07 | | 34.737 | | 27.85 | | | | 1500.9 | 495 | | | | | 114 |
| OBS | 3188 | 0.69 | | 34.714 | | 27.86 | | | | 1506.0 | 515 | | | | | 125 |
| OBS | 3486 | 0.39 | | 34.706 | | 27.87 | | | | 1509.9 | 523 | | | | | 128 |
| OBS | 3584 | 0.31 | | 34.684C | | 27.86Q | | | | 1511.2Q | 531 | | | | | 127 |
| OBS | 3632 | 0.25 | | | | | | | | | | | | | | |
| ISL | 0 | 3.91 | | 33.986 | | 27.01 | 105.52 | 0.000 | | 1465.1 | | | | | | |
| ISL | 10 | 3.91 | | 33.986 | | 27.01 | 105.61 | 0.011 | | 1465.3 | | | | | | |
| ISL | 20 | 3.91 | | 33.986 | | 27.01 | 105.68 | 0.021 | | 1465.4 | | | | | | |
| ISL | 30 | 3.91 | | 33.987 | | 27.01 | 105.73 | 0.032 | | 1465.6 | | | | | | |
| ISL | 50 | 3.91 | | 33.987 | | 27.01 | 105.87 | 0.053 | | 1465.9 | | | | | | |
| ISL | 75 | 3.91 | | 33.987 | | 27.01 | 106.13 | 0.079 | | 1466.4 | | | | | | |
| ISL | 100 | 3.92 | | 33.987 | | 27.01 | 106.36 | 0.106 | | 1466.8 | | | | | | |
| ISL | 125 | 3.91 | | 33.988 | | 27.01 | 106.36 | 0.133 | | 1467.2 | | | | | | |
| ISL | 150 | 3.90 | | 33.998 | | 27.02 | 105.75 | 0.159 | | 1467.5 | | | | | | |
| ISL | 200 | 3.86 | | 34.035 | | 27.06 | 103.00 | 0.211 | | 1468.2 | | | | | | |
| ISL | 250 | 3.67 | | 34.071 | | 27.10 | 98.78 | 0.262 | | 1468.3 | | | | | | |
| ISL | 300 | 3.55 | | 34.112 | | 27.15 | 94.90 | 0.310 | | 1468.7 | | | | | | |
| ISL | 400 | 3.53 | | 34.215 | | 27.23 | 87.81 | 0.401 | | 1470.4 | | | | | | |
| ISL | 500 | 2.98 | | 34.252 | | 27.31 | 80.30 | 0.485 | | 1469.8 | | | | | | |
| ISL | 600 | 2.89 | | 34.316 | | 27.37 | 75.15 | 0.563 | | 1471.1 | | | | | | |
| ISL | 700 | 2.57 | | 34.377 | | 27.45 | 68.09 | 0.635 | | 1471.5 | | | | | | |
| ISL | 800 | 2.44 | | 34.434 | | 27.50 | 63.12 | 0.700 | | 1472.6 | | | | | | |
| ISL | 900 | 2.41 | | 34.484 | | 27.55 | 59.60 | 0.762 | | 1474.2 | | | | | | |
| ISL | 1000 | 2.37 | | 34.544 | | 27.60 | 55.29 | 0.819 | | 1475.8 | | | | | | |
| ISL | 1100 | 2.36 | | 34.613 | | 27.65 | 50.54 | 0.872 | | 1477.5 | | | | | | |
| ISL | 1200 | 2.42 | | 34.646 | | 27.68 | 49.27 | 0.922 | | 1479.5 | | | | | | |
| ISL | 1300 | 2.36 | | 34.683 | | 27.71 | 46.44 | 0.970 | | 1481.0 | | | | | | |
| ISL | 1400 | 2.29 | | 34.714 | | 27.74 | 43.93 | 1.015 | | 1482.4 | | | | | | |
| ISL | 1500 | 2.23 | | 34.727 | | 27.76 | 42.75 | 1.058 | | 1483.8 | | | | | | |
| ISL | 1750 | 2.06 | | 34.751 | | 27.79 | 40.14 | 1.162 | | 1487.3 | | | | | | |
| ISL | 2000 | 1.85 | | 34.764 | | 27.82 | 37.79 | 1.259 | | 1490.7 | | | | | | |
| ISL | 2250 | 1.61 | | 34.759 | | 27.83 | 36.12 | 1.352 | | 1493.9 | | | | | | |
| ISL | 2500 | 1.35 | | 34.744 | | 27.84 | 34.79 | 1.440 | | 1497.0 | | | | | | |
| ISL | 2750 | 1.11 | | 34.739 | | 27.85 | 32.69 | 1.525 | | 1500.3 | | | | | | |
| ISL | 3000 | 0.87 | | 34.725 | | 27.85 | 31.01 | 1.604 | | 1503.5 | | | | | | |
| ISL | 3250 | 0.63 | | 34.712 | | 27.86 | 28.94 | 1.679 | | 1506.8 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------|--------------|-----------------|----------------|--------------------------------|----------------------------------|--------------------|-----------------|-----|-----|
| EL 49 | 1362 | 0 | | 23 | 9 | 71 | 10.8 | 4816.3S | 9019.9E | 470 | 3518 | 2.3 | | 264 | 223 | 23 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² . ml/l | PHOS 10 ² . µgat/l | NITR 10. µgat/l | SILIC µgat/l | | |
| OBS | 1 | 6.18 | | 34.151 | | 26.88 | | | | 1474.7 | 708 | | | | | |
| OBS | 48 | 6.16 | | 34.143 | | 26.88 | | | | 1475.4 | 707 | | | | | |
| OBS | 97 | 6.20 | | 34.138 | | 26.87 | | | | 1476.3 | 701 | | | | | |
| OBS | 146 | 7.03 | | 34.301 | | 26.89 | | | | 1480.7 | 678 | | | | | |
| OBS | 195 | 6.48 | | 34.250 | | 26.92 | | | | 1479.2 | 683 | | | | | |
| OBS | 292 | 6.26 | | 34.279 | | 26.97 | | | | 1480.0 | 630 | | | | | |
| OBS | 387 | 6.00 | | 34.381 | | 27.09 | | | | 1480.6 | 544 | | | | | |
| OBS | 480 | 4.94 | | 34.332 | | 27.18 | | | | 1477.8 | 538 | | | | | |
| OBS | 571 | 4.12 | | 34.305 | | 27.24 | | | | 1475.8 | 548 | | | | | |
| OBS | 761 | 3.40 | | 34.365 | | 27.36 | | | | 1476.0 | 491 | | | | | |
| OBS | 954 | 2.91 | | | | | | | | | 470 | | | | | |
| OBS | 1149 | 2.67 | | 34.546 | | 27.57 | | | | 1479.6 | 436 | | | | | |
| OBS | 1361 | 2.52 | | 34.632 | | 27.66 | | | | 1482.7 | 426 | | | | | |
| OBS | 1534 | | | | | | | | | | 426 | | | | | |
| OBS | 1750 | 2.25 | | 34.724 | | 27.75 | | | | 1488.2 | 453 | | | | | |
| OBS | 1945 | 2.14 | | 34.749 | | 27.78 | | | | 1491.1 | 461 | | | | | |
| OBS | 2240 | 1.91 | | 34.772 | | 27.82 | | | | 1495.1 | 475 | | | | | |
| OBS | 2534 | 1.62 | | | | | | | | | | | | | | |
| OBS | 2831 | 1.32 | | | | | | | | | 490 | | | | | |
| OBS | 3132 | 0.95 | | 34.725 | | 27.85 | | | | 1506.3 | 509 | | | | | |
| OBS | 3331 | 0.74 | | 34.718 | | 27.86 | | | | 1508.8 | 509 | | | | | |
| OBS | 3381 | 0.64 | | 34.710 | | 27.86 | | | | 1509.3 | 524 | | | | | |
| OBS | 3431 | 0.59 | | | | | | | | | | | | | | |
| ISL | 0 | 6.18 | | 34.151 | | 26.88 | 117.93 | 0.000 | | 1474.7 | | | | | | |
| ISL | 10 | 6.17 | | 34.149 | | 26.88 | 118.06 | 0.012 | | 1474.8 | | | | | | |
| ISL | 20 | 6.16 | | 34.147 | | 26.88 | 118.26 | 0.024 | | 1474.9 | | | | | | |
| ISL | 30 | 6.16 | | 34.145 | | 26.88 | 118.48 | 0.035 | | 1475.1 | | | | | | |
| ISL | 50 | 6.16 | | 34.143 | | 26.88 | 118.99 | 0.059 | | 1475.4 | | | | | | |
| ISL | 75 | 6.16 | | 34.139 | | 26.87 | 119.63 | 0.089 | | 1475.8 | | | | | | |
| ISL | 100 | 6.23 | | 34.143 | | 26.87 | 120.47 | 0.119 | | 1476.5 | | | | | | |
| ISL | 125 | 6.64 | | 34.232 | | 26.88 | 119.41 | 0.149 | | 1478.7 | | | | | | |
| ISL | 150 | 7.02 | | 34.303 | | 26.89 | 119.63 | 0.179 | | 1480.7 | | | | | | |
| ISL | 200 | 6.47 | | 34.248 | | 26.92 | 117.14 | 0.238 | | 1479.2 | | | | | | |
| ISL | 250 | 6.36 | | 34.247 | | 26.93 | 116.46 | 0.296 | | 1479.6 | | | | | | |
| ISL | 300 | 6.24 | | 34.285 | | 26.98 | 112.81 | 0.354 | | 1480.0 | | | | | | |
| ISL | 400 | 5.87 | | 34.374 | | 27.10 | 102.81 | 0.462 | | 1480.3 | | | | | | |
| ISL | 500 | 4.73 | | 34.324 | | 27.19 | 93.78 | 0.560 | | 1477.2 | | | | | | |
| ISL | 600 | 3.93 | | 34.304 | | 27.26 | 86.95 | 0.650 | | 1475.5 | | | | | | |
| ISL | 700 | 3.59 | | 34.341 | | 27.33 | 81.36 | 0.734 | | 1475.8 | | | | | | |
| ISL | 800 | 3.28 | | 34.381 | | 27.39 | 75.73 | 0.813 | | 1476.2 | | | | | | |
| ISL | 900 | 3.02 | | 34.431 | | 27.45 | 69.92 | 0.886 | | 1476.8 | | | | | | |
| ISL | 1000 | 2.83 | | 34.480 | | 27.51 | 64.92 | 0.953 | | 1477.8 | | | | | | |
| ISL | 1100 | 2.72 | | 34.525 | | 27.55 | 60.93 | 1.016 | | 1479.0 | | | | | | |
| ISL | 1200 | 2.63 | | 34.568 | | 27.60 | 57.34 | 1.075 | | 1480.4 | | | | | | |
| ISL | 1300 | 2.56 | | 34.609 | | 27.63 | 54.11 | 1.131 | | 1481.8 | | | | | | |
| ISL | 1400 | 2.49 | | 34.645 | | 27.67 | 51.22 | 1.184 | | 1483.2 | | | | | | |
| ISL | 1500 | 2.42 | | 34.674 | | 27.70 | 48.85 | 1.234 | | 1484.6 | | | | | | |
| ISL | 1750 | 2.25 | | 34.724 | | 27.75 | 44.41 | 1.350 | | 1488.2 | | | | | | |
| ISL | 2000 | 2.10 | | 34.755 | | 27.79 | 41.53 | 1.458 | | 1491.9 | | | | | | |
| ISL | 2250 | 1.90 | | 34.772 | | 27.82 | 38.81 | 1.558 | | 1495.3 | | | | | | |
| ISL | 2500 | 1.65 | | 34.756 | | 27.82 | 37.69 | 1.654 | | 1498.5 | | | | | | |
| ISL | 2750 | 1.40 | | 34.742 | | 27.83 | 36.24 | 1.746 | | 1501.7 | | | | | | |
| ISL | 3000 | 1.11 | | 34.731 | | 27.84 | 33.70 | 1.834 | | 1504.7 | | | | | | |
| ISL | 3250 | 0.83 | | 34.721 | | 27.85 | 30.96 | 1.914 | | 1507.8 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 49 | 1363 | 0 | | 25 | 9 | 71 | 9.5 | 4354.4S | 9005.6E | 470 | 3012 | 10.7 | | 326 | 324 | 23 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 1 | 9.19 | | 34.6710 | | 26.850 | | | | 1487.00 | 666 | | | | | 10 |
| OBS | 49 | 9.20 | | 34.634 | | 26.82 | | | | 1487.8 | 660 | | | | | 11 |
| OBS | 98 | 9.19 | | 34.634 | | 26.82 | | | | 1488.5 | 654 | | | | | 11 |
| OBS | 146 | 9.18 | | 34.630 | | 26.82 | | | | 1489.3 | 657 | | | | | 10 |
| OBS | 194 | 9.16 | | 34.632 | | 26.82 | | | | 1490.0 | 658 | | | | | 11 |
| OBS | 288 | 9.07 | | 34.621 | | 26.83 | | | | 1491.2 | 657 | | | | | 10 |
| OBS | 384 | 8.63 | | 34.542 | | 26.84 | | | | 1491.0 | | | | | | 11 |
| OBS | 481 | 8.55 | | 34.630 | | 26.92 | | | | 1492.4 | 530 | | | | | 12 |
| OBS | 578 | 7.39 | | 34.530 | | 27.01 | | | | 1489.5 | 517 | | | | | 15 |
| OBS | 676 | 6.11 | | 34.424 | | 27.11 | | | | 1485.9 | 517 | | | | | 19 |
| OBS | 774 | 5.04 | | 34.362 | | 27.19 | | | | 1483.1 | 519 | | | | | 24 |
| OBS | 970 | 3.64 | | 34.347 | | 27.33 | | | | 1480.5 | 517 | | | | | 37 |
| OBS | 1174 | 3.10 | | 34.424 | | 27.44 | | | | 1481.7 | 463 | | | | | 52 |
| OBS | 1372 | | | 34.514 | | | | | | | 421 | | | | | 64 |
| OBS | 1571 | 2.62 | | 34.617 | | 27.64 | | | | 1486.6 | 426 | | | | | 70 |
| OBS | 1770 | 2.50 | | 34.682 | | 27.70 | | | | 1489.5 | 434 | | | | | 73 |
| OBS | 1970 | 2.36 | | 34.730 | | 27.75 | | | | 1492.4 | 444 | | | | | 75 |
| OBS | 2170 | 2.24 | | 34.755 | | 27.78 | | | | 1495.3 | 4740 | | | | | 78 |
| OBS | 2370 | 2.09 | | 34.782 | | 27.81 | | | | 1498.1 | 472 | | | | | 82 |
| OBS | 2570 | 1.85 | | 34.758 | | 27.81 | | | | 1500.4 | 483 | | | | | 93 |
| OBS | 2770 | 1.67 | | 34.748 | | 27.82 | | | | 1503.1 | 480 | | | | | 98 |
| OBS | 2920 | 1.56 | | 34.737 | | 27.82 | | | | 1505.2 | 477 | | | | | 101 |
| OBS | 2970 | 1.52 | | 34.742 | | 27.82 | | | | 1505.9 | 481 | | | | | 102 |
| ISL | 0 | 9.19 | | 34.634 | | 26.82 | 123.63 | 0.000 | | 1486.9 | | | | | | |
| ISL | 10 | 9.19 | | 34.634 | | 26.82 | 123.88 | 0.012 | | 1487.1 | | | | | | |
| ISL | 20 | 9.20 | | 34.634 | | 26.82 | 124.12 | 0.025 | | 1487.3 | | | | | | |
| ISL | 30 | 9.20 | | 34.634 | | 26.82 | 124.37 | 0.037 | | 1487.5 | | | | | | |
| ISL | 50 | 9.20 | | 34.634 | | 26.82 | 124.79 | 0.062 | | 1487.8 | | | | | | |
| ISL | 75 | 9.19 | | 34.634 | | 26.82 | 125.21 | 0.093 | | 1488.2 | | | | | | |
| ISL | 100 | 9.19 | | 34.634 | | 26.82 | 125.63 | 0.125 | | 1488.6 | | | | | | |
| ISL | 125 | 9.18 | | 34.632 | | 26.82 | 126.22 | 0.156 | | 1489.0 | | | | | | |
| ISL | 150 | 9.18 | | 34.630 | | 26.82 | 126.78 | 0.188 | | 1489.3 | | | | | | |
| ISL | 200 | 9.16 | | 34.632 | | 26.82 | 127.26 | 0.251 | | 1490.1 | | | | | | |
| ISL | 250 | 9.12 | | 34.631 | | 26.83 | 127.83 | 0.315 | | 1490.8 | | | | | | |
| ISL | 300 | 9.03 | | 34.615 | | 26.83 | 128.58 | 0.379 | | 1491.2 | | | | | | |
| ISL | 400 | 8.59 | | 34.545 | | 26.85 | 128.66 | 0.508 | | 1491.1 | | | | | | |
| ISL | 500 | 8.37 | | 34.613 | | 26.93 | 122.14 | 0.633 | | 1492.0 | | | | | | |
| ISL | 600 | 7.11 | | 34.507 | | 27.04 | 112.70 | 0.751 | | 1488.7 | | | | | | |
| ISL | 700 | 5.83 | | 34.405 | | 27.13 | 103.75 | 0.859 | | 1485.1 | | | | | | |
| ISL | 800 | 4.80 | | 34.352 | | 27.21 | 95.61 | 0.959 | | 1482.5 | | | | | | |
| ISL | 900 | 4.03 | | 34.337 | | 27.28 | 88.32 | 1.051 | | 1481.0 | | | | | | |
| ISL | 1000 | 3.51 | | 34.353 | | 27.34 | 81.88 | 1.136 | | 1480.4 | | | | | | |
| ISL | 1100 | 3.24 | | 34.393 | | 27.40 | 76.45 | 1.215 | | 1481.0 | | | | | | |
| ISL | 1200 | 3.05 | | 34.435 | | 27.45 | 71.85 | 1.289 | | 1481.9 | | | | | | |
| ISL | 1300 | 2.87 | | 34.480 | | 27.50 | 67.13 | 1.358 | | 1482.9 | | | | | | |
| ISL | 1400 | 2.76 | | 34.528 | | 27.55 | 62.97 | 1.423 | | 1484.2 | | | | | | |
| ISL | 1500 | 2.68 | | 34.579 | | 27.60 | 58.82 | 1.484 | | 1485.6 | | | | | | |
| ISL | 1750 | 2.51 | | 34.676 | | 27.69 | 51.05 | 1.622 | | 1489.2 | | | | | | |
| ISL | 2000 | 2.34 | | 34.734 | | 27.75 | 46.01 | 1.743 | | 1492.8 | | | | | | |
| ISL | 2250 | 2.19 | | 34.766 | | 27.79 | 42.94 | 1.854 | | 1496.4 | | | | | | |
| ISL | 2500 | 1.93 | | 34.765 | | 27.81 | 40.65 | 1.959 | | 1499.6 | | | | | | |
| ISL | 2750 | 1.69 | | 34.749 | | 27.82 | 39.47 | 2.059 | | 1502.8 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|------------------------|----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|-----|
| EL 49 | 1364 | 0 | | 28 | 9 | 71 | 6.7 | 4003.7S | 9453.3E | 47C | 3587 | 11.5 | | 276 | 274 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | |
| OBS | 1 | 12.20 | 35.247 | | 26.76 | | | | 1498.5 | 623 | | | 3 | | | |
| OBS | 52 | 12.19 | 35.234 | | 26.75 | | | | 1499.3 | 627 | | | 3 | | | |
| OBS | 103 | 12.19 | 35.234 | | 26.75 | | | | 1500.1 | 623 | | | 3 | | | |
| OBS | 154 | 12.19 | | | | | | | | 626 | | | 3 | | | |
| OBS | 205 | 12.20 | 35.236 | | 26.75 | | | | 1501.8 | 624 | | | 2 | | | |
| OBS | 301 | 12.22 | 35.239 | | 26.75 | | | | 1503.5 | 620 | | | 2 | | | |
| OBS | 396 | 12.18 | 35.226 | | 26.75 | | | | 1504.9 | 618 | | | 2 | | | |
| OBS | 490 | 9.05 | 34.723 | | 26.91 | | | | 1494.6 | 553 | | | 4 | | | |
| OBS | 585 | 7.83 | 34.566 | | 26.98 | | | | 1491.3 | 528 | | | 10 | | | |
| OBS | 778 | 5.71 | 34.421 | | 27.15 | | | | 1486.0 | 475 | | | 25 | | | |
| OBS | 971 | 4.26 | 34.386 | | 27.29 | | | | 1483.2 | 474 | | | 39 | | | |
| OBS | 1144 | 3.53 | 34.440 | | 27.41 | | | | 1483.1 | 430 | | | 54 | | | |
| OBS | 1167 | 3.44 | 34.453 | | 27.43 | | | | 1483.1 | 441 | | | 55 | | | |
| OBS | 1344 | 3.06 | | | | | | | | 385 | | | 66 | | | |
| OBS | 1538 | 2.78 | 34.596 | | 27.60 | | | | 1486.7 | 406 | | | 76 | | | |
| OBS | 1737 | 2.62 | 34.648 | | 27.66 | | | | 1489.4 | 402 | | | 81 | | | |
| OBS | 1935 | 2.43 | 34.699 | | 27.72 | | | | 1492.0 | 415 | | | 84 | | | |
| OBS | 2236 | 2.25 | 34.741 | | 27.77 | | | | 1496.5 | 456 | | | 85 | | | |
| OBS | 2471 | 2.06 | 34.760 | | 27.80 | | | | 1499.7 | 475 | | | 86 | | | |
| OBS | 2725 | 1.75 | 34.756 | | 27.82 | | | | 1502.7 | 476 | | | 96 | | | |
| OBS | 3010 | 1.45 | 34.748 | | 27.83 | | | | 1506.3 | 478 | | | 105 | | | |
| OBS | 3093 | 1.36 | 34.740 | | 27.83 | | | | 1507.4 | 486 | | | 107 | | | |
| OBS | 3115 | 1.35 | | | | | | | | | | | | | | |
| ISL | 0 | 12.20 | 35.247 | | 26.76 | | 129.40 | 0.000 | 1498.5 | | | | | | | |
| ISL | 10 | 12.20 | 35.244 | | 26.76 | | 129.84 | 0.013 | 1498.6 | | | | | | | |
| ISL | 20 | 12.20 | 35.241 | | 26.76 | | 130.28 | 0.026 | 1498.8 | | | | | | | |
| ISL | 30 | 12.19 | 35.238 | | 26.76 | | 130.70 | 0.039 | 1498.9 | | | | | | | |
| ISL | 50 | 12.19 | 35.234 | | 26.75 | | 131.46 | 0.065 | 1499.2 | | | | | | | |
| ISL | 75 | 12.19 | 35.234 | | 26.75 | | 132.12 | 0.098 | 1499.6 | | | | | | | |
| ISL | 100 | 12.19 | 35.234 | | 26.75 | | 132.76 | 0.131 | 1500.1 | | | | | | | |
| ISL | 125 | 12.19 | 35.234 | | 26.75 | | 133.38 | 0.165 | 1500.5 | | | | | | | |
| ISL | 150 | 12.19 | 35.235 | | 26.75 | | 133.99 | 0.198 | 1500.9 | | | | | | | |
| ISL | 200 | 12.20 | 35.236 | | 26.75 | | 135.37 | 0.265 | 1501.7 | | | | | | | |
| ISL | 250 | 12.21 | 35.237 | | 26.75 | | 136.72 | 0.333 | 1502.6 | | | | | | | |
| ISL | 300 | 12.22 | 35.239 | | 26.75 | | 138.07 | 0.402 | 1503.4 | | | | | | | |
| ISL | 400 | 12.11 | 35.214 | | 26.75 | | 140.27 | 0.541 | 1504.7 | | | | | | | |
| ISL | 500 | 8.83 | 34.693 | | 26.92 | | 123.48 | 0.673 | 1493.9 | | | | | | | |
| ISL | 600 | 7.65 | 34.547 | | 26.99 | | 117.56 | 0.794 | 1490.8 | | | | | | | |
| ISL | 700 | 6.49 | 34.453 | | 27.08 | | 109.35 | 0.907 | 1487.9 | | | | | | | |
| ISL | 800 | 5.51 | 34.412 | | 27.17 | | 100.29 | 1.012 | 1485.5 | | | | | | | |
| ISL | 900 | 4.72 | 34.387 | | 27.24 | | 93.00 | 1.109 | 1483.9 | | | | | | | |
| ISL | 1000 | 4.11 | 34.390 | | 27.31 | | 86.26 | 1.198 | 1483.0 | | | | | | | |
| ISL | 1100 | 3.71 | 34.419 | | 27.38 | | 80.05 | 1.281 | 1483.0 | | | | | | | |
| ISL | 1200 | 3.33 | 34.469 | | 27.45 | | 72.67 | 1.358 | 1483.2 | | | | | | | |
| ISL | 1300 | 3.14 | 34.517 | | 27.51 | | 67.48 | 1.428 | 1484.1 | | | | | | | |
| ISL | 1400 | 2.97 | 34.553 | | 27.55 | | 63.47 | 1.493 | 1485.1 | | | | | | | |
| ISL | 1500 | 2.82 | 34.584 | | 27.59 | | 60.13 | 1.555 | 1486.2 | | | | | | | |
| ISL | 1750 | 2.61 | 34.651 | | 27.66 | | 54.06 | 1.698 | 1489.6 | | | | | | | |
| ISL | 2000 | 2.39 | 34.711 | | 27.73 | | 48.23 | 1.826 | 1493.0 | | | | | | | |
| ISL | 2250 | 2.24 | 34.743 | | 27.77 | | 45.30 | 1.943 | 1496.7 | | | | | | | |
| ISL | 2500 | 2.03 | 34.761 | | 27.80 | | 42.30 | 2.052 | 1500.0 | | | | | | | |
| ISL | 2750 | 1.72 | 34.755 | | 27.82 | | 39.52 | 2.154 | 1503.0 | | | | | | | |
| ISL | 3000 | 1.46 | 34.749 | | 27.83 | | 37.22 | 2.250 | 1506.2 | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 49 | 1365 | 0 | | 29 | 9 | 71 | 9.4 | 4211.9S | 9453.7E | 47C | 3329 | 9.6 | | 285 | 263 | 22 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 10.89 | 34.926 | 26.76 | | | 1493.5 | 630 | | | 4 | | | | | |
| OBS | 51 | 10.85 | 34.907 | 26.75 | | | 1494.2 | 631 | | | 4 | | | | | |
| OBS | 102 | 10.84 | 34.903 | 26.75 | | | 1495.0 | 626 | | | 4 | | | | | |
| OBS | 152 | 10.79 | 34.898 | 26.75 | | | 1495.6 | 629 | | | 3 | | | | | |
| OBS | 203 | 10.81 | 34.898 | 26.75 | | | 1496.5 | 631 | | | 3 | | | | | |
| OBS | 304 | 10.79 | 34.891 | 26.75 | | | 1498.1 | 626 | | | 3 | | | | | |
| OBS | 404 | 10.75 | 34.892 | 26.76 | | | 1499.6 | 632 | | | 3 | | | | | |
| OBS | 503 | 10.20 | 34.830 | 26.80 | | | 1499.2 | 568 | | | 4 | | | | | |
| OBS | 602 | 9.50 | 34.764 | 26.87 | | | 1498.2 | 556 | | | 5 | | | | | |
| OBS | 798 | 7.39 | 34.526 | 27.01 | | | 1493.1 | 497 | | | 14 | | | | | |
| OBS | 996 | | 34.365 | | | | | 508 | | | 26 | | | | | |
| OBS | 1197 | 3.65 | 34.355 | 27.33 | | | 1484.4 | 498 | | | 38 | | | | | |
| OBS | 1353 | 3.22 | 34.421 | 27.43 | | | 1485.3 | 457 | | | 51 | | | | | |
| OBS | 1554 | 2.82 | 34.533 | 27.55 | | | 1487.1 | 411 | | | 65 | | | | | |
| OBS | 1754 | 2.63 | 34.600 | 27.62 | | | 1489.8 | 425 | | | 70 | | | | | |
| OBS | 1953 | 2.52 | 34.677 | 27.69 | | | 1492.8 | 425 | | | 74 | | | | | |
| OBS | 2153 | 2.38 | 34.731 | 27.75 | | | 1495.7 | 448 | | | 76 | | | | | |
| OBS | 2353 | 2.24 | 34.749 | 27.77 | | | 1498.5 | 456 | | | 80 | | | | | |
| OBS | 2554 | 2.07 | 34.764C | 27.80C | | | 1501.3C | 472 | | | 86 | | | | | |
| OBS | 2755 | 1.83 | 34.761 | 27.82 | | | 1503.7 | 475 | | | 94 | | | | | |
| OBS | 2955 | 1.62 | 34.766 | 27.84 | | | 1506.3 | 477 | | | 101 | | | | | |
| OBS | 3255 | 1.54 | 34.744 | 27.82 | | | 1511.1 | 480 | | | 104 | | | | | |
| ISL | 0 | 10.89 | 34.926 | 26.76 | 129.75 | 0.000 | 1493.5 | | | | | | | | | |
| ISL | 10 | 10.88 | 34.922 | 26.75 | 130.15 | 0.013 | 1493.6 | | | | | | | | | |
| ISL | 20 | 10.87 | 34.917 | 26.75 | 130.57 | 0.026 | 1493.8 | | | | | | | | | |
| ISL | 30 | 10.87 | 34.914 | 26.75 | 130.93 | 0.039 | 1493.9 | | | | | | | | | |
| ISL | 50 | 10.85 | 34.907 | 26.75 | 131.62 | 0.065 | 1494.2 | | | | | | | | | |
| ISL | 75 | 10.84 | 34.905 | 26.75 | 132.23 | 0.098 | 1494.5 | | | | | | | | | |
| ISL | 100 | 10.84 | 34.903 | 26.75 | 132.92 | 0.131 | 1494.9 | | | | | | | | | |
| ISL | 125 | 10.82 | 34.901 | 26.75 | 133.31 | 0.165 | 1495.3 | | | | | | | | | |
| ISL | 150 | 10.79 | 34.898 | 26.75 | 133.56 | 0.198 | 1495.6 | | | | | | | | | |
| ISL | 200 | 10.81 | 34.898 | 26.75 | 135.05 | 0.265 | 1496.5 | | | | | | | | | |
| ISL | 250 | 10.81 | 34.895 | 26.75 | 136.39 | 0.333 | 1497.3 | | | | | | | | | |
| ISL | 300 | 10.79 | 34.891 | 26.75 | 137.52 | 0.402 | 1498.0 | | | | | | | | | |
| ISL | 400 | 10.76 | 34.893 | 26.75 | 139.18 | 0.540 | 1499.6 | | | | | | | | | |
| ISL | 500 | 10.22 | 34.832 | 26.80 | 136.35 | 0.678 | 1499.2 | | | | | | | | | |
| ISL | 600 | 9.52 | 34.766 | 26.87 | 131.29 | 0.812 | 1498.2 | | | | | | | | | |
| ISL | 700 | 8.43 | 34.642 | 26.95 | 124.54 | 0.939 | 1495.6 | | | | | | | | | |
| ISL | 800 | 7.37 | 34.524 | 27.01 | 118.32 | 1.061 | 1493.1 | | | | | | | | | |
| ISL | 900 | 6.36 | 34.427 | 27.08 | 112.08 | 1.176 | 1490.6 | | | | | | | | | |
| ISL | 1000 | 5.33 | 34.363 | 27.15 | 103.81 | 1.284 | 1488.1 | | | | | | | | | |
| ISL | 1100 | 4.32 | 34.343 | 27.25 | 93.11 | 1.382 | 1485.5 | | | | | | | | | |
| ISL | 1200 | 3.64 | 34.356 | 27.33 | 84.65 | 1.471 | 1484.4 | | | | | | | | | |
| ISL | 1300 | 3.34 | 34.395 | 27.39 | 78.99 | 1.553 | 1484.9 | | | | | | | | | |
| ISL | 1400 | 3.11 | 34.445 | 27.45 | 73.12 | 1.629 | 1485.6 | | | | | | | | | |
| ISL | 1500 | 2.91 | 34.505 | 27.52 | 66.98 | 1.699 | 1486.5 | | | | | | | | | |
| ISL | 1750 | 2.63 | 34.599 | 27.62 | 58.20 | 1.856 | 1489.7 | | | | | | | | | |
| ISL | 2000 | 2.49 | 34.693 | 27.71 | 50.84 | 1.992 | 1493.5 | | | | | | | | | |
| ISL | 2250 | 2.31 | 34.743 | 27.76 | 46.17 | 2.113 | 1497.1 | | | | | | | | | |
| ISL | 2500 | 2.12 | 34.754 | 27.79 | 44.00 | 2.226 | 1500.5 | | | | | | | | | |
| ISL | 2750 | 1.84 | 34.761 | 27.81 | 40.66 | 2.332 | 1503.6 | | | | | | | | | |
| ISL | 3000 | 1.59 | 34.764 | 27.84 | 37.92 | 2.430 | 1506.9 | | | | | | | | | |
| ISL | 3250 | 1.54 | 34.745 | 27.82 | 39.33 | 2.527 | 1511.0 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|--------------------------------|----------------------------------|--------------------|-----------------|-----|--|-----|-----|-----|
| EL 49 | 1366 | 0 | | 30 | 9 | 71 | 9.3 | 4501.7S | 9504.7E | 47C | 280C | 4.2 | | 265 | 243 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² . ml/l | PHOS 10 ² . µgat/l | NITR 10. µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 8.05 | 34.490 | 26.89 | | | 1482.5 | 666 | | | | | | | | 5 |
| OBS | 51 | 8.05 | 34.478 | 26.88 | | | 1483.3 | 666 | | | | | | | | 5 |
| OBS | 102 | 7.79 | 34.446 | 26.89 | | | 1483.1 | 658 | | | | | | | | 5 |
| OBS | 153 | 7.25 | 34.389 | 26.92 | | | 1481.7 | 659 | | | | | | | | 5 |
| OBS | 203 | 6.65 | 34.292 | 26.93 | | | 1480.1 | 680 | | | | | | | | 5 |
| OBS | 263 | 6.37 | 34.325 | 26.99 | | | 1480.0 | 611 | | | | | | | | 8 |
| OBS | 313 | 6.85 | 34.435 | 27.02 | | | 1482.9 | 547 | | | | | | | | 11 |
| OBS | 412 | 6.21 | 34.424 | 27.09 | | | 1481.9 | 513 | | | | | | | | 16 |
| OBS | 508 | 5.13 | 34.359 | 27.17 | | | 1479.0 | 531 | | | | | | | | 20 |
| OBS | 603 | 4.32 | 34.314 | 27.23 | | | 1477.2 | 530 | | | | | | | | 25 |
| OBS | 796 | | 34.344 | | | | | 498 | | | | | | | | 38 |
| OBS | 992 | 2.95 | 34.422 | 27.45 | | | 1478.0 | 460 | | | | | | | | 53 |
| OBS | 1027 | 2.93 | 34.446 | 27.47 | | | 1478.5 | 447 | | | | | | | | 54 |
| OBS | 1293 | 2.63 | 34.576 | 27.60 | | | 1481.9 | 417 | | | | | | | | 68 |
| OBS | 1388 | 2.56 | 34.612 | 27.64 | | | 1483.2 | 422 | | | | | | | | 71 |
| OBS | 1576 | 2.48 | 34.679 | 27.70 | | | 1486.1 | 431 | | | | | | | | 74 |
| OBS | 1768 | 2.38 | 34.721 | 27.74 | | | 1489.0 | 444 | | | | | | | | 75 |
| OBS | 1960 | 2.29 | 34.750 | 27.77 | | | 1491.9 | 453 | | | | | | | | 78 |
| OBS | 2154 | 2.12 | 34.765 | 27.80 | | | 1494.5 | 465 | | | | | | | | 84 |
| OBS | 2300 | 1.98 | 34.771 | 27.81 | | | 1496.4 | 476 | | | | | | | | 89 |
| OBS | 2398 | 1.89 | 34.756 | 27.81 | | | 1497.6 | 472 | | | | | | | | 91 |
| OBS | 2446 | 1.85 | 34.761 | 27.81 | | | 1498.3 | 472 | | | | | | | | 93 |
| OBS | 2496 | 1.81 | | | | | | | | | | | | | | |
| ISL | 0 | 8.05 | 34.490 | 26.89 | 117.42 | 0.000 | 1482.5 | | | | | | | | | |
| ISL | 10 | 8.07 | 34.489 | 26.88 | 117.91 | 0.012 | 1482.7 | | | | | | | | | |
| ISL | 20 | 8.08 | 34.488 | 26.88 | 118.36 | 0.024 | 1482.9 | | | | | | | | | |
| ISL | 30 | 8.08 | 34.485 | 26.88 | 118.72 | 0.035 | 1483.1 | | | | | | | | | |
| ISL | 50 | 8.05 | 34.478 | 26.88 | 119.21 | 0.059 | 1483.3 | | | | | | | | | |
| ISL | 75 | 7.96 | 34.466 | 26.88 | 119.27 | 0.089 | 1483.3 | | | | | | | | | |
| ISL | 100 | 7.81 | 34.448 | 26.89 | 118.82 | 0.119 | 1483.1 | | | | | | | | | |
| ISL | 125 | 7.57 | 34.425 | 26.91 | 117.62 | 0.148 | 1482.6 | | | | | | | | | |
| ISL | 150 | 7.28 | 34.393 | 26.92 | 116.42 | 0.178 | 1481.8 | | | | | | | | | |
| ISL | 200 | 6.68 | 34.295 | 26.93 | 116.38 | 0.236 | 1480.1 | | | | | | | | | |
| ISL | 250 | 6.36 | 34.306 | 26.98 | 112.16 | 0.293 | 1479.7 | | | | | | | | | |
| ISL | 300 | 6.77 | 34.413 | 27.01 | 110.39 | 0.349 | 1482.3 | | | | | | | | | |
| ISL | 400 | 6.32 | 34.429 | 27.08 | 104.52 | 0.456 | 1482.2 | | | | | | | | | |
| ISL | 500 | 5.21 | 34.364 | 27.17 | 96.52 | 0.557 | 1479.2 | | | | | | | | | |
| ISL | 600 | 4.34 | 34.315 | 27.23 | 90.85 | 0.650 | 1477.2 | | | | | | | | | |
| ISL | 700 | 3.69 | 34.315 | 27.30 | 84.38 | 0.738 | 1476.1 | | | | | | | | | |
| ISL | 800 | 3.29 | 34.345 | 27.36 | 78.51 | 0.819 | 1476.2 | | | | | | | | | |
| ISL | 900 | 3.06 | 34.374 | 27.40 | 74.61 | 0.896 | 1476.9 | | | | | | | | | |
| ISL | 1000 | 2.95 | 34.427 | 27.46 | 70.01 | 0.968 | 1478.1 | | | | | | | | | |
| ISL | 1100 | 2.85 | 34.490 | 27.51 | 64.99 | 1.036 | 1479.5 | | | | | | | | | |
| ISL | 1200 | 2.72 | 34.537 | 27.56 | 60.70 | 1.099 | 1480.7 | | | | | | | | | |
| ISL | 1300 | 2.62 | 34.579 | 27.60 | 57.04 | 1.157 | 1481.9 | | | | | | | | | |
| ISL | 1400 | 2.55 | 34.616 | 27.64 | 54.01 | 1.213 | 1483.4 | | | | | | | | | |
| ISL | 1500 | 2.51 | 34.653 | 27.67 | 51.40 | 1.266 | 1484.9 | | | | | | | | | |
| ISL | 1750 | 2.39 | 34.718 | 27.74 | 46.53 | 1.388 | 1488.7 | | | | | | | | | |
| ISL | 2000 | 2.26 | 34.754 | 27.78 | 43.54 | 1.501 | 1492.4 | | | | | | | | | |
| ISL | 2250 | 2.03 | 34.771 | 27.81 | 40.50 | 1.606 | 1495.7 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 49 | 1367 | 0 | | 1 | 10 | 71 | 4.9 | 4704.9S | 9503.2E | 470 | 2433 | 4.4 | | 255 | 263 | 20 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 1 | 5.93 | | 34.204 | | 26.95 | | | | 1473.8 | 712 | | | | | 6 |
| OBS | 48 | 5.61 | | 34.162 | | 26.96 | | | | 1473.2 | 710 | | | | | 6 |
| OBS | 95 | 5.47 | | 34.150 | | 26.97 | | | | 1473.4 | 642Q | | | | | 7 |
| OBS | 141 | 5.39 | | | | | | | | | 710 | | | | | 7 |
| OBS | 187 | 5.23 | | 34.137 | | 26.99 | | | | 1473.9 | 713 | | | | | 7 |
| OBS | 228 | 5.19 | | 34.151 | | 27.00 | | | | 1474.4 | 691 | | | | | 8 |
| OBS | 271 | 5.21 | | 34.225 | | 27.06 | | | | 1475.3 | 634 | | | | | 12 |
| OBS | 357 | 5.13 | | 34.322 | | 27.15 | | | | 1476.5 | 554 | | | | | 18 |
| OBS | 445 | 4.36 | | 34.319 | | 27.23 | | | | 1474.8 | 554 | | | | | 24 |
| OBS | 535 | 3.84 | | 34.313 | | 27.28 | | | | 1474.1 | 529 | | | | | 30 |
| OBS | 819 | 3.25 | | 34.420 | | 27.42 | | | | 1476.4 | 464 | | | | | 49 |
| OBS | 1195 | 2.45 | | | | | | | | | 414 | | | | | 68 |
| OBS | 1384 | 2.35 | | 34.675 | | 27.70 | | | | 1482.3 | 430 | | | | | 71 |
| OBS | 1576 | 2.28 | | 34.713 | | 27.74 | | | | 1485.3 | 440 | | | | | 73 |
| OBS | 1771 | 2.17 | | 34.753 | | 27.78 | | | | 1488.2 | 460 | | | | | 74 |
| OBS | 1966 | 2.03 | | | | | | | | | 466 | | | | | 79 |
| OBS | 2164 | 1.87 | | | | | | | | | 479 | | | | | 84 |
| OBS | 2261 | 1.68 | | 34.766C | | 27.83Q | | | | 1494.4Q | 479 | | | | | 89 |
| OBS | 2310 | 1.68 | | 34.758 | | 27.82 | | | | 1495.2 | 479 | | | | | 89 |
| OBS | 2360 | 1.63 | | 34.760 | | 27.83 | | | | 1495.9 | 466Q | | | | | 80C |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | 5.93 | | 34.204 | | 26.95 | | 110.95 | 0.000 | 1473.7 | | | | | | |
| ISL | 10 | 5.86 | | 34.194 | | 26.96 | | 110.95 | 0.011 | 1473.6 | | | | | | |
| ISL | 20 | 5.78 | | 34.184 | | 26.96 | | 110.94 | 0.022 | 1473.5 | | | | | | |
| ISL | 30 | 5.71 | | 34.175 | | 26.96 | | 110.91 | 0.033 | 1473.3 | | | | | | |
| ISL | 50 | 5.60 | | 34.161 | | 26.96 | | 110.92 | 0.055 | 1473.2 | | | | | | |
| ISL | 75 | 5.52 | | 34.154 | | 26.97 | | 110.77 | 0.083 | 1473.2 | | | | | | |
| ISL | 100 | 5.46 | | 34.149 | | 26.97 | | 110.79 | 0.111 | 1473.4 | | | | | | |
| ISL | 125 | 5.42 | | 34.144 | | 26.97 | | 111.01 | 0.139 | 1473.6 | | | | | | |
| ISL | 150 | 5.36 | | 34.138 | | 26.97 | | 111.07 | 0.166 | 1473.8 | | | | | | |
| ISL | 200 | 5.21 | | 34.138 | | 26.99 | | 109.88 | 0.222 | 1474.0 | | | | | | |
| ISL | 250 | 5.20 | | 34.190 | | 27.03 | | 106.44 | 0.276 | 1474.9 | | | | | | |
| ISL | 300 | 5.20 | | 34.268 | | 27.09 | | 101.29 | 0.328 | 1475.8 | | | | | | |
| ISL | 400 | 4.72 | | 34.321 | | 27.19 | | 92.79 | 0.425 | 1475.5 | | | | | | |
| ISL | 500 | 4.02 | | 34.315 | | 27.26 | | 86.26 | 0.514 | 1474.2 | | | | | | |
| ISL | 600 | 3.70 | | 34.328 | | 27.30 | | 82.77 | 0.599 | 1474.6 | | | | | | |
| ISL | 700 | 3.50 | | 34.370 | | 27.36 | | 78.18 | 0.679 | 1475.4 | | | | | | |
| ISL | 800 | 3.29 | | 34.412 | | 27.41 | | 73.53 | 0.755 | 1476.2 | | | | | | |
| ISL | 900 | 3.08 | | 34.454 | | 27.46 | | 68.87 | 0.826 | 1477.1 | | | | | | |
| ISL | 1000 | 2.87 | | 34.496 | | 27.52 | | 64.05 | 0.893 | 1477.9 | | | | | | |
| ISL | 1100 | 2.65 | | 34.540 | | 27.57 | | 59.06 | 0.954 | 1478.7 | | | | | | |
| ISL | 1200 | 2.45 | | 34.588 | | 27.63 | | 53.85 | 1.011 | 1479.5 | | | | | | |
| ISL | 1300 | 2.39 | | 34.640 | | 27.67 | | 49.85 | 1.063 | 1481.0 | | | | | | |
| ISL | 1400 | 2.34 | | 34.678 | | 27.71 | | 47.10 | 1.111 | 1482.6 | | | | | | |
| ISL | 1500 | 2.31 | | 34.698 | | 27.73 | | 45.76 | 1.157 | 1484.1 | | | | | | |
| ISL | 1750 | 2.18 | | 34.749 | | 27.78 | | 41.79 | 1.267 | 1487.9 | | | | | | |
| ISL | 2000 | 2.00 | | 34.752 | | 27.79 | | 40.57 | 1.370 | 1491.3 | | | | | | |
| ISL | 2250 | 1.69 | | 34.757 | | 27.82 | | 37.32 | 1.467 | 1494.3 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 49 | 1368 | 0 | | 2 | 10 | 71 | 4.1 | 4923.9S | 9450.9E | 47C | 3393 | 2.8 | | 285 | 273 | 22 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 5.45 | 34.240 | 27.04 | | | 1471.9 | 703 | | | 7 | | | | | |
| OBS | 49 | 5.46 | 34.227 | 27.03 | | | 1472.7 | 700 | | | 7 | | | | | |
| OBS | 98 | 5.48 | 34.220 | 27.02 | | | 1473.6 | 700 | | | 11 | | | | | |
| OBS | 148 | 5.47 | | | | | | 707 | | | 7 | | | | | |
| OBS | 196 | 5.47 | 34.221 | 27.03 | | | 1475.1 | 709 | | | 7 | | | | | |
| OBS | 246 | 5.14 | 34.187 | 27.04 | | | 1474.6 | 708 | | | 8 | | | | | |
| OBS | 342 | 4.36 | 34.117 | 27.07 | | | 1472.8 | 693 | | | 11 | | | | | |
| OBS | 438 | 4.47 | 34.237 | 27.15 | | | 1475.0 | 590 | | | 19 | | | | | |
| OBS | 534 | 4.22 | 34.315 | 27.24 | | | 1475.7 | 535 | | | 27 | | | | | |
| OBS | 729 | 3.27 | 34.382 | 27.39 | | | 1475.0 | 483 | | | 45 | | | | | |
| OBS | 925 | 2.78 | 34.470 | 27.50 | | | 1476.3 | 444 | | | 58 | | | | | |
| OBS | 1122 | 2.43 | 34.552 | 27.60 | | | 1478.2 | 443 | | | 69 | | | | | |
| OBS | 1358 | 2.40 | 34.666 | 27.69 | | | 1482.2 | 429 | | | 75 | | | | | |
| OBS | 1549 | 2.24 | 34.703 | 27.74 | | | 1484.7 | 424 | | | 78 | | | | | |
| OBS | 1740 | 2.14 | 34.741 | 27.77 | | | 1487.6 | 457 | | | 81 | | | | | |
| OBS | 1930 | 2.03 | 34.762 | 27.80 | | | 1490.4 | 472 | | | 84 | | | | | |
| OBS | 2219 | 1.79 | 34.765 | 27.82 | | | 1494.3 | 478 | | | 90 | | | | | |
| OBS | 2511 | 1.43 | 34.752 | 27.84 | | | 1497.7 | 485 | | | 103 | | | | | |
| OBS | 2806 | 1.15 | 34.738 | 27.85 | | | 1501.6 | 492 | | | 111 | | | | | |
| OBS | 3004 | 0.99 | 34.727 | 27.85 | | | 1504.3 | 498 | | | 115 | | | | | |
| OBS | 3203 | 0.74 | 34.719 | 27.86 | | | 1506.6 | 504 | | | 120 | | | | | |
| OBS | 3253 | 0.63 | 34.710 | 27.86 | | | 1507.0 | 513 | | | 123 | | | | | |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | 5.45 | 34.240 | 27.04 | 102.65 | 0.000 | 1471.8 | | | | | | | | | |
| ISL | 10 | 5.45 | 34.237 | 27.04 | 103.02 | 0.010 | 1472.0 | | | | | | | | | |
| ISL | 20 | 5.45 | 34.234 | 27.04 | 103.39 | 0.021 | 1472.2 | | | | | | | | | |
| ISL | 30 | 5.46 | 34.231 | 27.03 | 103.74 | 0.031 | 1472.4 | | | | | | | | | |
| ISL | 50 | 5.46 | 34.227 | 27.03 | 104.36 | 0.052 | 1472.7 | | | | | | | | | |
| ISL | 75 | 5.47 | 34.223 | 27.03 | 105.09 | 0.078 | 1473.1 | | | | | | | | | |
| ISL | 100 | 5.48 | 34.220 | 27.02 | 105.73 | 0.104 | 1473.6 | | | | | | | | | |
| ISL | 125 | 5.47 | 34.218 | 27.02 | 106.06 | 0.131 | 1474.0 | | | | | | | | | |
| ISL | 150 | 5.47 | 34.218 | 27.02 | 106.32 | 0.157 | 1474.4 | | | | | | | | | |
| ISL | 200 | 5.45 | 34.219 | 27.03 | 106.69 | 0.211 | 1475.1 | | | | | | | | | |
| ISL | 250 | 5.11 | 34.184 | 27.04 | 105.85 | 0.264 | 1474.5 | | | | | | | | | |
| ISL | 300 | 4.72 | 34.148 | 27.05 | 104.63 | 0.316 | 1473.7 | | | | | | | | | |
| ISL | 400 | 4.46 | 34.193 | 27.12 | 99.43 | 0.418 | 1474.3 | | | | | | | | | |
| ISL | 500 | 4.35 | 34.292 | 27.21 | 91.71 | 0.514 | 1475.6 | | | | | | | | | |
| ISL | 600 | 3.93 | 34.336 | 27.29 | 84.63 | 0.602 | 1475.6 | | | | | | | | | |
| ISL | 700 | 3.38 | 34.371 | 27.37 | 76.90 | 0.683 | 1475.0 | | | | | | | | | |
| ISL | 800 | 3.04 | 34.415 | 27.44 | 70.67 | 0.757 | 1475.2 | | | | | | | | | |
| ISL | 900 | 2.83 | 34.459 | 27.49 | 65.83 | 0.825 | 1476.1 | | | | | | | | | |
| ISL | 1000 | 2.61 | 34.502 | 27.54 | 60.94 | 0.888 | 1476.9 | | | | | | | | | |
| ISL | 1100 | 2.46 | 34.542 | 27.59 | 56.82 | 0.947 | 1477.9 | | | | | | | | | |
| ISL | 1200 | 2.42 | 34.588 | 27.63 | 53.61 | 1.002 | 1479.5 | | | | | | | | | |
| ISL | 1300 | 2.42 | 34.637 | 27.67 | 50.53 | 1.054 | 1481.2 | | | | | | | | | |
| ISL | 1400 | 2.37 | 34.674 | 27.70 | 47.67 | 1.104 | 1482.7 | | | | | | | | | |
| ISL | 1500 | 2.28 | 34.693 | 27.73 | 45.73 | 1.150 | 1484.1 | | | | | | | | | |
| ISL | 1750 | 2.13 | 34.742 | 27.78 | 41.69 | 1.260 | 1487.7 | | | | | | | | | |
| ISL | 2000 | 1.98 | 34.765 | 27.81 | 39.29 | 1.361 | 1491.4 | | | | | | | | | |
| ISL | 2250 | 1.76 | 34.764 | 27.82 | 37.57 | 1.457 | 1494.7 | | | | | | | | | |
| ISL | 2500 | 1.44 | 34.752 | 27.84 | 35.26 | 1.548 | 1497.6 | | | | | | | | | |
| ISL | 2750 | 1.20 | 34.741 | 27.85 | 33.62 | 1.634 | 1500.8 | | | | | | | | | |
| ISL | 3000 | 0.99 | 34.727 | 27.85 | 32.41 | 1.716 | 1504.2 | | | | | | | | | |
| ISL | 3250 | 0.64 | 34.711 | 27.86 | 29.17 | 1.793 | 1507.0 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 49 | 1369 | 0 | | 3 | 10 | 71 | 5.0 | 5122.1S | 9503.2E | 506 | 3583 | -0.1 | | 175 | 173 | 21 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 2.21 | 33.999 | 27.18 | | | 1457.8 | 777 | | | 16 | | | | | |
| OBS | 50 | 2.22 | 33.986 | 27.17 | | | 1458.7 | 755 | | | 16 | | | | | |
| OBS | 101 | 1.75 | 33.995 | 27.21 | | | 1457.5 | 767 | | | 20 | | | | | |
| OBS | 151 | 1.46 | | | | | | 771 | | | 22 | | | | | |
| OBS | 201 | 1.25 | 34.024 | 27.27 | | | 1456.9 | 782 | | | 22 | | | | | |
| OBS | 303 | 1.15 | 34.089 | 27.33 | | | 1458.3 | 716 | | | 31 | | | | | |
| OBS | 403 | 2.12 | 34.295 | 27.42 | | | 1464.5 | 545 | | | 46 | | | | | |
| OBS | 505 | 2.09 | 34.410 | 27.51 | | | 1466.2 | 484 | | | 58 | | | | | |
| OBS | 606 | 2.11 | 34.506 | 27.59 | | | 1468.1 | 455 | | | 65 | | | | | |
| OBS | 809 | | 34.599 | | | | | 436 | | | 74 | | | | | |
| OBS | 1012 | 2.27 | 34.710 | 27.74 | | | 1475.9 | 441 | | | 73 | | | | | |
| OBS | 1212 | 2.18 | 34.746 | 27.78 | | | 1478.9 | 450 | | | 76 | | | | | |
| OBS | 1502 | 2.05 | 34.755 | 27.79 | | | 1483.2 | 466 | | | 79 | | | | | |
| OBS | 1797 | | 34.763 | | | | | 474 | | | 90 | | | | | |
| OBS | 2095 | 1.59 | 34.758 | 27.83 | | | 1491.3 | 476 | | | 93 | | | | | |
| OBS | 2388 | 1.28 | 34.763C | 27.86C | | | 1495.0Q | 484 | | | 102 | | | | | |
| OBS | 2679 | 1.00 | 34.727 | 27.85 | | | 1498.7 | 487 | | | 133Q | | | | | |
| OBS | 2970 | 0.78 | 34.724 | 27.86 | | | 1502.8 | 502 | | | 116 | | | | | |
| OBS | 3260 | 0.55 | 34.710 | 27.86 | | | 1506.9 | 512 | | | 121 | | | | | |
| OBS | 3357 | 0.48 | 34.706 | 27.86 | | | 1508.2 | 510 | | | 121 | | | | | |
| OBS | 3455 | 0.33 | 34.701 | 27.87 | | | 1509.3 | 527 | | | 123 | | | | | |
| ISL | 0 | 2.21 | 33.999 | 27.18 | 89.93 | 0.000 | 1457.8 | | | | | | | | | |
| ISL | 10 | 2.24 | 33.995 | 27.17 | 90.47 | 0.009 | 1458.1 | | | | | | | | | |
| ISL | 20 | 2.25 | 33.992 | 27.17 | 90.89 | 0.018 | 1458.3 | | | | | | | | | |
| ISL | 30 | 2.26 | 33.989 | 27.17 | 91.15 | 0.027 | 1458.5 | | | | | | | | | |
| ISL | 50 | 2.22 | 33.986 | 27.17 | 91.20 | 0.045 | 1458.7 | | | | | | | | | |
| ISL | 75 | 1.97 | 33.989 | 27.19 | 89.20 | 0.068 | 1458.0 | | | | | | | | | |
| ISL | 100 | 1.76 | 33.995 | 27.21 | 87.27 | 0.090 | 1457.5 | | | | | | | | | |
| ISL | 125 | 1.59 | 34.000 | 27.22 | 85.71 | 0.112 | 1457.2 | | | | | | | | | |
| ISL | 150 | 1.46 | 34.006 | 27.24 | 84.47 | 0.133 | 1457.0 | | | | | | | | | |
| ISL | 200 | 1.25 | 34.024 | 27.27 | 81.78 | 0.174 | 1456.9 | | | | | | | | | |
| ISL | 250 | 1.11 | 34.045 | 27.29 | 79.21 | 0.215 | 1457.1 | | | | | | | | | |
| ISL | 300 | 1.14 | 34.085 | 27.32 | 76.50 | 0.254 | 1458.1 | | | | | | | | | |
| ISL | 400 | 2.11 | 34.290 | 27.42 | 68.87 | 0.326 | 1464.4 | | | | | | | | | |
| ISL | 500 | 2.09 | 34.405 | 27.51 | 60.58 | 0.391 | 1466.1 | | | | | | | | | |
| ISL | 600 | 2.11 | 34.501 | 27.59 | 54.00 | 0.448 | 1468.0 | | | | | | | | | |
| ISL | 700 | 2.14 | 34.548 | 27.62 | 51.22 | 0.501 | 1469.9 | | | | | | | | | |
| ISL | 800 | 2.17 | 34.595 | 27.66 | 48.54 | 0.551 | 1471.7 | | | | | | | | | |
| ISL | 900 | 2.22 | 34.647 | 27.69 | 45.55 | 0.598 | 1473.7 | | | | | | | | | |
| ISL | 1000 | 2.27 | 34.705 | 27.74 | 42.30 | 0.642 | 1475.7 | | | | | | | | | |
| ISL | 1100 | 2.23 | 34.734 | 27.76 | 40.25 | 0.683 | 1477.2 | | | | | | | | | |
| ISL | 1200 | 2.19 | 34.745 | 27.77 | 39.48 | 0.723 | 1478.7 | | | | | | | | | |
| ISL | 1300 | 2.14 | 34.749 | 27.78 | 39.16 | 0.762 | 1480.2 | | | | | | | | | |
| ISL | 1400 | 2.10 | 34.752 | 27.79 | 38.92 | 0.801 | 1481.7 | | | | | | | | | |
| ISL | 1500 | 2.05 | 34.755 | 27.79 | 38.68 | 0.840 | 1483.2 | | | | | | | | | |
| ISL | 1750 | 1.89 | 34.762 | 27.81 | 37.35 | 0.935 | 1486.7 | | | | | | | | | |
| ISL | 2000 | 1.68 | 34.761 | 27.83 | 35.95 | 1.027 | 1490.1 | | | | | | | | | |
| ISL | 2250 | 1.42 | 34.752 | 27.84 | 34.38 | 1.115 | 1493.2 | | | | | | | | | |
| ISL | 2500 | 1.17 | 34.735 | 27.84 | 33.04 | 1.199 | 1496.4 | | | | | | | | | |
| ISL | 2750 | 0.95 | 34.726 | 27.85 | 31.47 | 1.280 | 1499.7 | | | | | | | | | |
| ISL | 3000 | 0.76 | 34.723 | 27.86 | 29.60 | 1.356 | 1503.2 | | | | | | | | | |
| ISL | 3250 | 0.56 | 34.710 | 27.86 | 28.10 | 1.428 | 1506.7 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 49 | 1370 | 0 | | 4 | 10 | 71 | 6.8 | 5337.6S | 9506.0E | 506 | 3872 | -1.5 | | 216 | 214 | 22 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² -ml/l | PHOS 10 ² -µgat/l | NITR 10-µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 0.79 | 34.053 | 27.32 | | | 1451.6 | 800 | | | | | | | | 21 |
| OBS | 52 | 0.79 | 34.050 | 27.32 | | | 1452.4 | 790 | | | | | | | | 21 |
| OBS | 103 | 0.73 | 34.054 | 27.32 | | | 1453.0 | 775 | | | | | | | | 22 |
| OBS | 155 | 0.69 | | | | | | 764 | | | | | | | | 21 |
| OBS | 205 | 0.76 | 34.150 | 27.40 | | | 1455.0 | 703 | | | | | | | | 22 |
| OBS | 306 | 1.66 | 34.319 | 27.47 | | | 1460.9 | 539 | | | | | | | | 23 |
| OBS | 405 | 2.03 | 34.464 | 27.56 | | | 1464.4 | 462 | | | | | | | | 35 |
| OBS | 502 | 2.14 | 34.551 | 27.62 | | | 1466.6 | 451 | | | | | | | | 44 |
| OBS | 600 | 2.16 | 34.613 | 27.67 | | | 1468.4 | 426 | | | | | | | | 58 |
| OBS | 798 | 2.16 | 34.685 | 27.73 | | | 1471.8 | 430 | | | | | | | | 64 |
| OBS | 997 | | 34.732 | | | | | 449 | | | | | | | | 73 |
| OBS | 1200 | 1.93 | 34.750 | 27.80 | | | 1477.6 | 464 | | | | | | | | 76 |
| OBS | 1360 | 1.80 | 34.756 | 27.81 | | | 1479.7 | 471 | | | | | | | | 80 |
| OBS | 1666 | 1.55 | | | | | | 462 | | | | | | | | 86 |
| OBS | 1972 | 1.27 | 34.747 | 27.85 | | | 1487.8 | 487 | | | | | | | | 92 |
| OBS | 2279 | 1.01 | 34.729 | 27.85 | | | 1491.9 | 482 | | | | | | | | 100 |
| OBS | 2587 | 0.75 | 34.7550 | 27.890 | | | 1496.10 | 492 | | | | | | | | 110 |
| OBS | 2950 | 0.54 | | | | | | 514 | | | | | | | | 117 |
| OBS | 3251 | 0.28 | 34.703 | 27.87 | | | 1505.5 | 531 | | | | | | | | 122 |
| OBS | 3551 | 0.14 | 34.690 | 27.87 | | | 1510.1 | 541 | | | | | | | | 123 |
| OBS | 3845 | | 34.688 | | | | | 547 | | | | | | | | 126 |
| OBS | 3893 | 0.01 | 34.686 | 27.87 | | | 1515.6 | 548 | | | | | | | | 126 |
| ISL | 0 | 0.79 | 34.053 | 27.32 | 76.35 | 0.000 | 1451.6 | | | | | | | | | |
| ISL | 10 | 0.79 | 34.052 | 27.32 | 76.47 | 0.008 | 1451.8 | | | | | | | | | |
| ISL | 20 | 0.80 | 34.051 | 27.32 | 76.57 | 0.015 | 1451.9 | | | | | | | | | |
| ISL | 30 | 0.80 | 34.050 | 27.32 | 76.64 | 0.023 | 1452.1 | | | | | | | | | |
| ISL | 50 | 0.79 | 34.050 | 27.32 | 76.63 | 0.038 | 1452.4 | | | | | | | | | |
| ISL | 75 | 0.76 | 34.050 | 27.32 | 76.46 | 0.057 | 1452.7 | | | | | | | | | |
| ISL | 100 | 0.73 | 34.053 | 27.32 | 76.06 | 0.076 | 1453.0 | | | | | | | | | |
| ISL | 125 | 0.71 | 34.066 | 27.34 | 74.98 | 0.095 | 1453.3 | | | | | | | | | |
| ISL | 150 | 0.69 | 34.085 | 27.35 | 73.37 | 0.114 | 1453.6 | | | | | | | | | |
| ISL | 200 | 0.74 | 34.143 | 27.40 | 69.34 | 0.150 | 1454.8 | | | | | | | | | |
| ISL | 250 | 1.17 | 34.227 | 27.44 | 65.92 | 0.183 | 1457.7 | | | | | | | | | |
| ISL | 300 | 1.62 | 34.310 | 27.47 | 63.13 | 0.216 | 1460.6 | | | | | | | | | |
| ISL | 400 | 2.02 | 34.458 | 27.56 | 55.53 | 0.275 | 1464.2 | | | | | | | | | |
| ISL | 500 | 2.14 | 34.549 | 27.62 | 50.18 | 0.328 | 1466.5 | | | | | | | | | |
| ISL | 600 | 2.16 | 34.613 | 27.67 | 46.09 | 0.376 | 1468.4 | | | | | | | | | |
| ISL | 700 | 2.17 | 34.657 | 27.71 | 43.38 | 0.421 | 1470.1 | | | | | | | | | |
| ISL | 800 | 2.16 | 34.686 | 27.73 | 41.64 | 0.463 | 1471.8 | | | | | | | | | |
| ISL | 900 | 2.13 | 34.712 | 27.75 | 39.83 | 0.504 | 1473.4 | | | | | | | | | |
| ISL | 1000 | 2.07 | 34.732 | 27.77 | 38.28 | 0.543 | 1474.8 | | | | | | | | | |
| ISL | 1100 | 2.00 | 34.744 | 27.79 | 37.12 | 0.581 | 1476.2 | | | | | | | | | |
| ISL | 1200 | 1.93 | 34.750 | 27.80 | 36.39 | 0.617 | 1477.6 | | | | | | | | | |
| ISL | 1300 | 1.85 | 34.754 | 27.81 | 35.66 | 0.653 | 1478.9 | | | | | | | | | |
| ISL | 1400 | 1.77 | 34.757 | 27.82 | 35.05 | 0.689 | 1480.3 | | | | | | | | | |
| ISL | 1500 | 1.69 | 34.758 | 27.82 | 34.43 | 0.724 | 1481.6 | | | | | | | | | |
| ISL | 1750 | 1.47 | 34.756 | 27.84 | 33.14 | 0.808 | 1484.9 | | | | | | | | | |
| ISL | 2000 | 1.25 | 34.746 | 27.85 | 32.03 | 0.890 | 1488.1 | | | | | | | | | |
| ISL | 2250 | 1.03 | 34.731 | 27.85 | 31.24 | 0.969 | 1491.5 | | | | | | | | | |
| ISL | 2500 | 0.82 | 34.722 | 27.85 | 29.79 | 1.045 | 1494.8 | | | | | | | | | |
| ISL | 2750 | 0.65 | 34.718 | 27.86 | 28.32 | 1.118 | 1498.4 | | | | | | | | | |
| ISL | 3000 | 0.50 | 34.711 | 27.87 | 27.10 | 1.187 | 1502.1 | | | | | | | | | |
| ISL | 3250 | 0.28 | 34.703 | 27.87 | 24.95 | 1.252 | 1505.5 | | | | | | | | | |
| ISL | 3500 | 0.16 | 34.692 | 27.87 | 24.16 | 1.313 | 1509.3 | | | | | | | | | |
| ISL | 3750 | 0.06 | 34.689 | 27.87 | 22.88 | 1.372 | 1513.3 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 49 | 1371 | 0 | | 5 | 10 | 71 | 6.4 | 5509.5S | 9451.9E | 506 | 4399 | -1.4 | | 285 | 273 | 22 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 1 | 1.53 | | 34.068 | | 27.28 | | | | 1454.9 | 773 | | | 25 | | |
| OBS | 48 | 1.50 | | 34.069 | | 27.29 | | | | 1455.6 | 777 | | | 26 | | |
| OBS | 96 | 1.46 | | 34.071 | | 27.29 | | | | 1456.2 | 767 | | | 26 | | |
| OBS | 141 | 1.40 | | 34.066 | | 27.29 | | | | 1456.7 | 776 | | | 29 | | |
| OBS | 188 | 1.27 | | 34.065 | | 27.30 | | | | 1456.9 | 774 | | | 36 | | |
| OBS | 284 | 2.17 | | 34.216 | | 27.35 | | | | 1462.6 | 609 | | | 52 | | |
| OBS | 379 | | | 34.273 | | | | | | | 563 | | | 63 | | |
| OBS | 473 | 2.12 | | 34.392 | | 27.50 | | | | 1465.8 | 491 | | | 70 | | |
| OBS | 569 | 2.17 | | 34.488 | | 27.57 | | | | 1467.7 | 455 | | | 72 | | |
| OBS | 760 | 2.19 | | 34.608 | | 27.66 | | | | 1471.2 | 429 | | | 76 | | |
| OBS | 953 | 2.18 | | 34.676 | | 27.72 | | | | 1474.4 | 434 | | | 78 | | |
| OBS | 1144 | 1.98 | | 34.718 | | 27.77 | | | | 1476.8 | 451 | | | 82 | | |
| OBS | 1425 | 1.82 | | 34.755 | | 27.81 | | | | 1480.9 | 468 | | | 85 | | |
| OBS | 1719 | 1.56 | | 34.752 | | 27.83 | | | | 1484.8 | 468 | | | 92 | | |
| OBS | 2014 | 1.30 | | 34.744 | | 27.84 | | | | 1488.6 | 493 | | | 99 | | |
| OBS | 2410 | 0.94 | | 34.724 | | 27.85 | | | | 1493.8 | 500 | | | 109 | | |
| OBS | 2808 | 0.64 | | 34.710 | | 27.86 | | | | 1499.4 | 507 | | | 113 | | |
| OBS | 3207 | 0.36 | | 34.691 | | 27.86 | | | | 1505.1 | 516 | | | 121 | | |
| OBS | 3607 | 0.18 | | 34.692 | | 27.87 | | | | 1511.3 | 546 | | | 123 | | |
| OBS | 4006 | 0.04 | | 34.681 | | 27.87 | | | | 1517.8 | 556 | | | 124 | | |
| OBS | 4307 | -0.03 | | 34.701C | | 27.89C | | | | 1522.8C | 556 | | | 127 | | |
| OBS | 4357 | -0.03 | | 34.680 | | 27.87 | | | | 1523.7 | 571 | | | 126 | | |
| ISL | 0 | 1.53 | | 34.068 | | 27.28 | | 79.86 | 0.000 | 1454.9 | | | | | | |
| ISL | 10 | 1.53 | | 34.068 | | 27.28 | | 79.83 | 0.008 | 1455.1 | | | | | | |
| ISL | 20 | 1.52 | | 34.068 | | 27.28 | | 79.80 | 0.016 | 1455.2 | | | | | | |
| ISL | 30 | 1.51 | | 34.069 | | 27.28 | | 79.76 | 0.024 | 1455.3 | | | | | | |
| ISL | 50 | 1.50 | | 34.069 | | 27.29 | | 79.69 | 0.040 | 1455.6 | | | | | | |
| ISL | 75 | 1.48 | | 34.070 | | 27.29 | | 79.54 | 0.060 | 1455.9 | | | | | | |
| ISL | 100 | 1.46 | | 34.071 | | 27.29 | | 79.37 | 0.080 | 1456.2 | | | | | | |
| ISL | 125 | 1.43 | | 34.067 | | 27.29 | | 79.50 | 0.100 | 1456.5 | | | | | | |
| ISL | 150 | 1.38 | | 34.065 | | 27.29 | | 79.37 | 0.119 | 1456.7 | | | | | | |
| ISL | 200 | 1.32 | | 34.077 | | 27.30 | | 78.24 | 0.159 | 1457.3 | | | | | | |
| ISL | 250 | 1.92 | | 34.172 | | 27.34 | | 75.57 | 0.197 | 1460.9 | | | | | | |
| ISL | 300 | 2.16 | | 34.231 | | 27.37 | | 73.37 | 0.234 | 1462.9 | | | | | | |
| ISL | 400 | 2.12 | | 34.298 | | 27.42 | | 68.38 | 0.305 | 1464.4 | | | | | | |
| ISL | 500 | 2.13 | | 34.421 | | 27.52 | | 59.70 | 0.369 | 1466.3 | | | | | | |
| ISL | 600 | 2.18 | | 34.514 | | 27.59 | | 53.69 | 0.426 | 1468.3 | | | | | | |
| ISL | 700 | 2.19 | | 34.580 | | 27.64 | | 49.29 | 0.478 | 1470.1 | | | | | | |
| ISL | 800 | 2.19 | | 34.626 | | 27.68 | | 46.40 | 0.525 | 1471.9 | | | | | | |
| ISL | 900 | 2.20 | | 34.661 | | 27.71 | | 44.30 | 0.571 | 1473.6 | | | | | | |
| ISL | 1000 | 2.14 | | 34.688 | | 27.73 | | 42.18 | 0.614 | 1475.1 | | | | | | |
| ISL | 1100 | 2.02 | | 34.711 | | 27.76 | | 39.83 | 0.655 | 1476.3 | | | | | | |
| ISL | 1200 | 1.94 | | 34.728 | | 27.78 | | 38.14 | 0.694 | 1477.6 | | | | | | |
| ISL | 1300 | 1.90 | | 34.743 | | 27.80 | | 37.04 | 0.732 | 1479.1 | | | | | | |
| ISL | 1400 | 1.84 | | 34.753 | | 27.81 | | 36.05 | 0.768 | 1480.6 | | | | | | |
| ISL | 1500 | 1.75 | | 34.756 | | 27.82 | | 35.30 | 0.804 | 1481.9 | | | | | | |
| ISL | 1750 | 1.53 | | 34.751 | | 27.83 | | 34.12 | 0.891 | 1485.2 | | | | | | |
| ISL | 2000 | 1.31 | | 34.744 | | 27.84 | | 32.88 | 0.974 | 1488.5 | | | | | | |
| ISL | 2250 | 1.09 | | 34.731 | | 27.85 | | 31.79 | 1.055 | 1491.7 | | | | | | |
| ISL | 2500 | 0.87 | | 34.720 | | 27.85 | | 30.43 | 1.133 | 1495.1 | | | | | | |
| ISL | 2750 | 0.68 | | 34.712 | | 27.86 | | 29.09 | 1.207 | 1498.5 | | | | | | |
| ISL | 3000 | 0.50 | | 34.701 | | 27.86 | | 27.79 | 1.278 | 1502.1 | | | | | | |
| ISL | 3250 | 0.34 | | 34.690 | | 27.86 | | 26.60 | 1.346 | 1505.7 | | | | | | |
| ISL | 3500 | 0.22 | | 34.693 | | 27.87 | | 24.90 | 1.411 | 1509.6 | | | | | | |
| ISL | 3750 | 0.12 | | 34.689 | | 27.87 | | 23.87 | 1.472 | 1513.6 | | | | | | |
| ISL | 4000 | 0.04 | | 34.681 | | 27.87 | | 23.15 | 1.530 | 1517.6 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|--|-----|-----|-----|
| EL 49 | 1372 | 0 | | 6 | 10 | 71 | 8.8 | 5705.7S | 9457.4E | 5C6 | 4315 | -1.3 | | 257 | 224 | 22 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | |
| OBS | 1 | -1.60 | 34.052 | | 27.42 | | | 1440.6 | 837 | | | | | | | 38 |
| OBS | 47 | -1.60 | 34.049 | | 27.42 | | | 1441.3 | 834 | | | | | | | 38 |
| OBS | 96 | -1.39 | 34.095 | | 27.45 | | | 1443.2 | 809 | | | | | | | 40 |
| OBS | 154 | 0.72 | | | | | | | | | | | | | | |
| OBS | 194 | 1.44 | 34.523 | | 27.65 | | | 1458.3 | 481 | | | | | | | 70 |
| OBS | 292 | 1.63 | 34.626 | | 27.72 | | | 1460.9 | 454 | | | | | | | 78 |
| OBS | 392 | 1.70 | 34.675 | | 27.76 | | | 1463.0 | 454 | | | | | | | 81 |
| OBS | 492 | 1.69 | 34.696 | | 27.77 | | | 1464.6 | 457 | | | | | | | 83 |
| OBS | 592 | 1.72 | 34.722 | | 27.79 | | | 1466.5 | 460 | | | | | | | 84 |
| OBS | 791 | 1.62 | 34.751 | | 27.82 | | | 1469.4 | 470 | | | | | | | 88 |
| OBS | 992 | 1.47 | 34.740 | | 27.83 | | | 1472.1 | 481 | | | | | | | 91 |
| OBS | 1190 | 1.24 | 34.729 | | 27.83 | | | 1474.3 | 488 | | | | | | | 98 |
| OBS | 1425 | 1.05 | 34.739 | | 27.85 | | | 1477.5 | 487 | | | | | | | 103 |
| OBS | 1716 | 0.81 | 34.716 | | 27.85 | | | 1481.3 | 483 | | | | | | | 110 |
| OBS | 2011 | 0.62 | 34.712 | | 27.86 | | | 1485.5 | 507 | | | | | | | 115 |
| OBS | 2307 | 0.42 | 34.687C | | 27.85C | | | 1489.7C | 514 | | | | | | | 120 |
| OBS | 2703 | 0.19 | 34.700 | | 27.87 | | | 1495.5 | 532 | | | | | | | 122 |
| OBS | 3101 | 0.06 | 34.700 | | 27.88 | | | 1501.8 | 543 | | | | | | | 125 |
| OBS | 3500 | -0.06 | 34.692 | | 27.88 | | | 1508.3 | 563 | | | | | | | 122 |
| OBS | 3900 | -0.14 | 34.684 | | 27.88 | | | 1515.0 | 571 | | | | | | | 121 |
| OBS | 4202 | -0.16 | | | | | | | 572 | | | | | | | 120 |
| OBS | 4252 | -0.15 | 34.682 | | 27.88 | | | 1521.2 | 573 | | | | | | | 121 |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | -1.60 | 34.052 | | 27.42 | 66.41 | 0.000 | 1440.5 | | | | | | | | |
| ISL | 10 | -1.62 | 34.047 | | 27.42 | 66.66 | 0.007 | 1440.6 | | | | | | | | |
| ISL | 20 | -1.64 | 34.044 | | 27.42 | 66.80 | 0.013 | 1440.7 | | | | | | | | |
| ISL | 30 | -1.63 | 34.044 | | 27.42 | 66.78 | 0.020 | 1440.9 | | | | | | | | |
| ISL | 50 | -1.59 | 34.050 | | 27.42 | 66.26 | 0.033 | 1441.4 | | | | | | | | |
| ISL | 75 | -1.55 | 34.063 | | 27.43 | 65.26 | 0.050 | 1442.0 | | | | | | | | |
| ISL | 100 | -1.30 | 34.106 | | 27.46 | 62.61 | 0.066 | 1443.7 | | | | | | | | |
| ISL | 125 | -0.25 | 34.198 | | 27.49 | 59.72 | 0.081 | 1449.1 | | | | | | | | |
| ISL | 150 | 0.61 | 34.340 | | 27.56 | 53.56 | 0.095 | 1453.6 | | | | | | | | |
| ISL | 200 | 1.50 | 34.537 | | 27.66 | 44.75 | 0.120 | 1458.7 | | | | | | | | |
| ISL | 250 | 1.58 | 34.595 | | 27.70 | 41.09 | 0.141 | 1460.0 | | | | | | | | |
| ISL | 300 | 1.64 | 34.632 | | 27.73 | 38.99 | 0.161 | 1461.1 | | | | | | | | |
| ISL | 400 | 1.70 | 34.677 | | 27.76 | 36.45 | 0.199 | 1463.1 | | | | | | | | |
| ISL | 500 | 1.69 | 34.698 | | 27.78 | 35.19 | 0.235 | 1464.8 | | | | | | | | |
| ISL | 600 | 1.72 | 34.724 | | 27.79 | 33.88 | 0.269 | 1466.6 | | | | | | | | |
| ISL | 700 | 1.68 | 34.742 | | 27.81 | 32.56 | 0.303 | 1468.1 | | | | | | | | |
| ISL | 800 | 1.61 | 34.751 | | 27.82 | 31.70 | 0.335 | 1469.5 | | | | | | | | |
| ISL | 900 | 1.55 | 34.745 | | 27.82 | 31.80 | 0.366 | 1470.9 | | | | | | | | |
| ISL | 1000 | 1.46 | 34.740 | | 27.83 | 31.84 | 0.398 | 1472.2 | | | | | | | | |
| ISL | 1100 | 1.34 | 34.734 | | 27.83 | 31.42 | 0.430 | 1473.3 | | | | | | | | |
| ISL | 1200 | 1.23 | 34.729 | | 27.83 | 31.03 | 0.461 | 1474.5 | | | | | | | | |
| ISL | 1300 | 1.15 | 34.733 | | 27.84 | 30.23 | 0.492 | 1475.0 | | | | | | | | |
| ISL | 1400 | 1.07 | 34.739 | | 27.85 | 29.22 | 0.522 | 1477.1 | | | | | | | | |
| ISL | 1500 | 0.99 | 34.734 | | 27.85 | 28.96 | 0.551 | 1478.5 | | | | | | | | |
| ISL | 1750 | 0.79 | 34.715 | | 27.85 | 28.75 | 0.623 | 1481.0 | | | | | | | | |
| ISL | 2000 | 0.63 | 34.712 | | 27.86 | 27.63 | 0.693 | 1485.3 | | | | | | | | |
| ISL | 2250 | 0.46 | 34.700 | | 27.87 | 26.29 | 0.761 | 1488.9 | | | | | | | | |
| ISL | 2500 | 0.30 | 34.704 | | 27.87 | 24.90 | 0.825 | 1492.5 | | | | | | | | |
| ISL | 2750 | 0.17 | 34.700 | | 27.88 | 23.73 | 0.885 | 1496.2 | | | | | | | | |
| ISL | 3000 | 0.09 | 34.701 | | 27.88 | 22.70 | 0.943 | 1500.2 | | | | | | | | |
| ISL | 3250 | 0.01 | 34.697 | | 27.88 | 21.87 | 0.999 | 1504.2 | | | | | | | | |
| ISL | 3500 | -0.06 | 34.692 | | 27.88 | 21.16 | 1.053 | 1508.3 | | | | | | | | |
| ISL | 3750 | -0.12 | 34.687 | | 27.88 | 20.60 | 1.105 | 1512.5 | | | | | | | | |
| ISL | 4000 | -0.15 | 34.683 | | 27.88 | 20.17 | 1.156 | 1516.7 | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 49 | 1373 | 0 | | 7 | 10 | 71 | 16.0 | 5900.0S | 9511.2E | 506 | 4367 | -0.9 | | 294 | 302 | 20 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² -ml/l | PHOS 10 ² -µgat/l | NITR 10-µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | -1.69 | 33.858 | 27.27 | | | 1439.9 | 823 | | | 34 | | | | | |
| OBS | 43 | -1.45 | 33.890 | 27.29 | | | 1441.7 | 826 | | | 33 | | | | | |
| OBS | 86 | -0.61 | 34.059 | 27.40 | | | 1446.6 | 761 | | | 38 | | | | | |
| OBS | 129 | 0.71 | 34.284 | 27.51 | | | 1453.7 | 617 | | | 56 | | | | | |
| OBS | 173 | 1.50 | 34.412 | 27.56 | | | 1458.1 | 489 | | | 66 | | | | | |
| OBS | 261 | 1.98 | 34.617 | 27.69 | | | 1462.0 | 435 | | | 76 | | | | | |
| OBS | 353 | 1.96 | 34.661 | 27.73 | | | 1463.5 | 443 | | | 78 | | | | | |
| OBS | 441 | 1.92 | 34.694 | 27.75 | | | 1464.8 | 441 | | | 82 | | | | | |
| OBS | 532 | 1.86 | 34.718 | 27.78 | | | 1466.1 | 453 | | | 83 | | | | | |
| OBS | 720 | 1.77 | 34.740 | 27.80 | | | 1468.8 | 462 | | | 87 | | | | | |
| OBS | 909 | 1.61 | 34.744 | 27.82 | | | 1471.3 | 477 | | | 91 | | | | | |
| OBS | 1109 | 1.40 | 34.749 | 27.84 | | | 1473.7 | 478 | | | 98 | | | | | |
| OBS | 1381 | 1.12 | | | | | | 4710 | | | 106 | | | | | |
| OBS | 1645 | 0.89 | 34.721 | 27.85 | | | 1480.4 | 493 | | | 111 | | | | | |
| OBS | 2392 | 0.35 | 34.711 | 27.87 | | | 1490.8 | 513 | | | 125 | | | | | |
| OBS | 2769 | 0.18 | 34.709 | 27.88 | | | 1496.5 | 523 | | | 128 | | | | | |
| OBS | 3154 | 0.05 | 34.684 | 27.87 | | | 1502.6 | 542 | | | 128 | | | | | |
| OBS | 3547 | -0.06 | 34.682 | 27.87 | | | 1509.0 | 554 | | | 128 | | | | | |
| OBS | 3848 | -0.09 | 34.6920 | 27.880 | | | 1514.20 | 556 | | | 127 | | | | | |
| OBS | 3948 | -0.11 | 34.680 | 27.87 | | | 1515.9 | 558 | | | 127 | | | | | |
| ISL | 0 | -1.69 | 33.858 | 27.27 | 81.07 | 0.000 | 1439.8 | | | | | | | | | |
| ISL | 10 | -1.69 | 33.855 | 27.27 | 81.25 | 0.008 | 1440.0 | | | | | | | | | |
| ISL | 20 | -1.65 | 33.858 | 27.27 | 81.06 | 0.016 | 1440.4 | | | | | | | | | |
| ISL | 30 | -1.58 | 33.868 | 27.28 | 80.41 | 0.024 | 1440.9 | | | | | | | | | |
| ISL | 50 | -1.35 | 33.910 | 27.30 | 77.72 | 0.040 | 1442.3 | | | | | | | | | |
| ISL | 75 | -0.88 | 34.008 | 27.37 | 71.72 | 0.059 | 1445.1 | | | | | | | | | |
| ISL | 100 | -0.22 | 34.126 | 27.43 | 65.41 | 0.076 | 1448.7 | | | | | | | | | |
| ISL | 125 | 0.61 | 34.267 | 27.50 | 59.13 | 0.092 | 1453.1 | | | | | | | | | |
| ISL | 150 | 1.15 | 34.353 | 27.54 | 56.04 | 0.106 | 1456.1 | | | | | | | | | |
| ISL | 200 | 1.79 | 34.484 | 27.60 | 50.96 | 0.133 | 1459.9 | | | | | | | | | |
| ISL | 250 | 1.95 | 34.599 | 27.68 | 43.75 | 0.156 | 1461.6 | | | | | | | | | |
| ISL | 300 | 1.98 | 34.639 | 27.71 | 41.19 | 0.178 | 1462.6 | | | | | | | | | |
| ISL | 400 | 1.94 | 34.680 | 27.74 | 38.23 | 0.217 | 1464.2 | | | | | | | | | |
| ISL | 500 | 1.88 | 34.711 | 27.77 | 35.83 | 0.254 | 1465.6 | | | | | | | | | |
| ISL | 600 | 1.82 | 34.730 | 27.79 | 34.36 | 0.289 | 1467.0 | | | | | | | | | |
| ISL | 700 | 1.78 | 34.739 | 27.80 | 33.72 | 0.323 | 1468.5 | | | | | | | | | |
| ISL | 800 | 1.71 | 34.742 | 27.81 | 33.24 | 0.357 | 1469.9 | | | | | | | | | |
| ISL | 900 | 1.62 | 34.744 | 27.82 | 32.62 | 0.390 | 1471.2 | | | | | | | | | |
| ISL | 1000 | 1.51 | 34.746 | 27.83 | 31.83 | 0.422 | 1472.4 | | | | | | | | | |
| ISL | 1100 | 1.41 | 34.749 | 27.84 | 30.98 | 0.453 | 1473.6 | | | | | | | | | |
| ISL | 1200 | 1.31 | 34.746 | 27.84 | 30.47 | 0.484 | 1474.8 | | | | | | | | | |
| ISL | 1300 | 1.20 | 34.739 | 27.84 | 30.27 | 0.515 | 1476.0 | | | | | | | | | |
| ISL | 1400 | 1.10 | 34.732 | 27.84 | 30.05 | 0.545 | 1477.3 | | | | | | | | | |
| ISL | 1500 | 1.01 | 34.727 | 27.85 | 29.72 | 0.575 | 1478.5 | | | | | | | | | |
| ISL | 1750 | 0.80 | 34.718 | 27.85 | 28.75 | 0.648 | 1481.8 | | | | | | | | | |
| ISL | 2000 | 0.60 | 34.714 | 27.86 | 27.20 | 0.718 | 1485.2 | | | | | | | | | |
| ISL | 2250 | 0.43 | 34.712 | 27.87 | 25.70 | 0.784 | 1488.7 | | | | | | | | | |
| ISL | 2500 | 0.30 | 34.710 | 27.88 | 24.39 | 0.846 | 1492.4 | | | | | | | | | |
| ISL | 2750 | 0.19 | 34.709 | 27.88 | 23.26 | 0.906 | 1496.2 | | | | | | | | | |
| ISL | 3000 | 0.10 | 34.693 | 27.87 | 23.28 | 0.964 | 1500.2 | | | | | | | | | |
| ISL | 3250 | 0.02 | 34.683 | 27.87 | 22.92 | 1.022 | 1504.2 | | | | | | | | | |
| ISL | 3500 | -0.05 | 34.682 | 27.87 | 21.98 | 1.078 | 1508.3 | | | | | | | | | |
| ISL | 3750 | -0.08 | 34.681 | 27.87 | 21.59 | 1.132 | 1512.5 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 49 | 1374 | 0 | | 8 | 10 | 71 | 14.4 | 5849.5S | 9618.2E | 506 | 4344 | -1.7 | | 258 | 263 | 14 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | -1.80 | 33.975 | 27.37 | | | 1439.5 | 811 | | | 40 | | | | | |
| OBS | 42 | -1.77 | 33.986 | 27.38 | | | 1440.3 | 814 | | | 41 | | | | | |
| OBS | 82 | -1.78 | 34.008 | 27.39 | | | 1441.0 | 806 | | | 42 | | | | | |
| OBS | 120 | -1.70 | 34.100 | 27.47 | | | 1442.1 | 778 | | | 45 | | | | | |
| OBS | 158 | 0.47 | 34.320 | 27.55 | | | 1453.1 | 586 | | | 56 | | | | | |
| OBS | 193 | 1.17 | 34.429 | 27.60 | | | 1457.0 | 509 | | | 63 | | | | | |
| OBS | 227 | 1.19 | 34.489 | 27.64 | | | 1457.7 | 495 | | | 67 | | | | | |
| OBS | 299 | | 34.598 | | | | | 469 | | | 76 | | | | | |
| OBS | 368 | 1.39 | 34.656 | 27.76 | | | 1461.2 | 460 | | | 78 | | | | | |
| OBS | 436 | 1.46 | 34.671 | 27.77 | | | 1462.6 | 456 | | | 79 | | | | | |
| OBS | 507 | 1.57 | 34.713 | 27.80 | | | 1464.4 | 460 | | | 82 | | | | | |
| OBS | 653 | 1.65 | 34.728 | 27.80 | | | 1467.2 | 461 | | | 85 | | | | | |
| OBS | 820 | 1.51 | 34.743 | 27.82 | | | 1469.4 | 467 | | | 88 | | | | | |
| OBS | 993 | 1.36 | 34.718 | 27.82 | | | 1471.6 | 466 | | | 91 | | | | | |
| ISL | 0 | -1.80 | 33.975 | 27.37 | 71.86 | 0.000 | 1439.5 | | | | | | | | | |
| ISL | 10 | -1.79 | 33.976 | 27.37 | 71.74 | 0.007 | 1439.7 | | | | | | | | | |
| ISL | 20 | -1.79 | 33.978 | 27.37 | 71.55 | 0.014 | 1439.9 | | | | | | | | | |
| ISL | 30 | -1.78 | 33.981 | 27.37 | 71.23 | 0.021 | 1440.1 | | | | | | | | | |
| ISL | 50 | -1.77 | 33.989 | 27.38 | 70.49 | 0.036 | 1440.5 | | | | | | | | | |
| ISL | 75 | -1.78 | 33.999 | 27.39 | 69.55 | 0.053 | 1440.8 | | | | | | | | | |
| ISL | 100 | -1.76 | 34.038 | 27.42 | 66.47 | 0.070 | 1441.4 | | | | | | | | | |
| ISL | 125 | -1.52 | 34.122 | 27.48 | 60.52 | 0.086 | 1443.1 | | | | | | | | | |
| ISL | 150 | 0.13 | 34.282 | 27.54 | 55.28 | 0.101 | 1451.4 | | | | | | | | | |
| ISL | 200 | 1.18 | 34.445 | 27.61 | 49.41 | 0.127 | 1457.2 | | | | | | | | | |
| ISL | 250 | 1.22 | 34.527 | 27.67 | 43.57 | 0.150 | 1458.3 | | | | | | | | | |
| ISL | 300 | 1.30 | 34.599 | 27.72 | 38.87 | 0.171 | 1459.6 | | | | | | | | | |
| ISL | 400 | 1.42 | 34.662 | 27.77 | 35.41 | 0.208 | 1461.9 | | | | | | | | | |
| ISL | 500 | 1.56 | 34.710 | 27.79 | 33.22 | 0.242 | 1464.2 | | | | | | | | | |
| ISL | 600 | 1.64 | 34.723 | 27.80 | 33.30 | 0.275 | 1466.3 | | | | | | | | | |
| ISL | 700 | 1.61 | 34.733 | 27.81 | 32.68 | 0.308 | 1467.8 | | | | | | | | | |
| ISL | 800 | 1.53 | 34.742 | 27.82 | 31.54 | 0.340 | 1469.1 | | | | | | | | | |
| ISL | 900 | 1.44 | 34.736 | 27.82 | 31.60 | 0.372 | 1470.4 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 49 | 1375 | 0 | | 9 | 10 | 71 | 14.8 | 5822.3S | 9826.2E | 506 | 4322 | -2.3 | | 284 | 272 | 22 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | -1.78 | 34.081 | 27.45 | | | 1439.7 | 830 | | | 43 | | | | | |
| OBS | 48 | -1.80 | 34.059 | 27.44 | | | 1440.4 | 836 | | | 44 | | | | | |
| OBS | 97 | -1.78 | 34.094 | 27.46 | | | 1441.4 | 820 | | | 44 | | | | | |
| OBS | 145 | 0.08 | 34.326 | 27.58 | | | 1451.1 | 657 | | | 58 | | | | | |
| OBS | 194 | 0.94 | 34.514 | 27.68 | | | 1456.1 | 524 | | | 72 | | | | | |
| OBS | 291 | 1.61 | 34.663 | 27.75 | | | 1460.9 | 453 | | | 81 | | | | | |
| OBS | 389 | 1.64 | 34.720 | 27.80 | | | 1462.7 | 469 | | | 84 | | | | | |
| OBS | 486 | 1.67 | 34.732 | 27.80 | | | 1464.5 | 464 | | | 86 | | | | | |
| OBS | 583 | 1.66 | 34.753 | 27.82 | | | 1466.1 | 476 | | | 87 | | | | | |
| OBS | 777 | 1.48 | 34.757 | 27.84 | | | 1468.5 | 445 | | | 92 | | | | | |
| OBS | 973 | 1.34 | 34.752 | 27.84 | | | 1471.2 | 488 | | | 96 | | | | | |
| OBS | 1171 | 1.11 | 34.733 | 27.84 | | | 1473.4 | 482 | | | 102 | | | | | |
| OBS | 1279 | 1.02 | 34.727 | 27.85 | | | 1474.9 | 486 | | | 105 | | | | | |
| OBS | 1573 | 0.78 | | | | | | 493 | | | 111 | | | | | |
| OBS | 1868 | 0.56 | 34.714 | 27.86 | | | 1482.8 | 506 | | | 118 | | | | | |
| OBS | 2265 | 0.36 | 34.694 | 27.86 | | | 1488.6 | 515 | | | 123 | | | | | |
| OBS | 2662 | 0.14 | 34.704Q | 27.88Q | | | 1494.5Q | 535 | | | 123 | | | | | |
| OBS | 3066 | 0.02 | 34.684 | 27.87 | | | 1501.0 | 542 | | | 125 | | | | | |
| OBS | 3463 | -0.11 | 34.686 | 27.88 | | | 1507.4 | 563 | | | 123 | | | | | |
| OBS | 3864 | -0.17 | 34.681 | 27.88 | | | 1514.2 | 577 | | | 120 | | | | | |
| OBS | 4166 | -0.19 | 34.684 | 27.88 | | | 1519.5 | 571 | | | 121 | | | | | |
| OBS | 4217 | -0.20 | 34.680 | 27.88 | | | 1520.3 | 582 | | | 136 | | | | | |
| ISL | 0 | -1.78 | 34.081 | 27.45 | 63.75 | 0.000 | 1439.7 | | | | | | | | | |
| ISL | 10 | -1.79 | 34.071 | 27.45 | 64.43 | 0.006 | 1439.8 | | | | | | | | | |
| ISL | 20 | -1.80 | 34.063 | 27.44 | 64.93 | 0.013 | 1439.9 | | | | | | | | | |
| ISL | 30 | -1.80 | 34.059 | 27.44 | 65.20 | 0.019 | 1440.1 | | | | | | | | | |
| ISL | 50 | -1.80 | 34.059 | 27.44 | 65.04 | 0.032 | 1440.4 | | | | | | | | | |
| ISL | 75 | -1.80 | 34.059 | 27.44 | 64.90 | 0.049 | 1440.8 | | | | | | | | | |
| ISL | 100 | -1.71 | 34.104 | 27.47 | 61.49 | 0.064 | 1441.7 | | | | | | | | | |
| ISL | 125 | -0.58 | 34.233 | 27.54 | 55.53 | 0.079 | 1447.6 | | | | | | | | | |
| ISL | 150 | 0.21 | 34.348 | 27.59 | 50.68 | 0.092 | 1451.8 | | | | | | | | | |
| ISL | 200 | 1.02 | 34.531 | 27.69 | 41.78 | 0.115 | 1456.6 | | | | | | | | | |
| ISL | 250 | 1.49 | 34.623 | 27.73 | 38.29 | 0.135 | 1459.6 | | | | | | | | | |
| ISL | 300 | 1.61 | 34.672 | 27.76 | 35.79 | 0.154 | 1461.1 | | | | | | | | | |
| ISL | 400 | 1.64 | 34.722 | 27.80 | 32.59 | 0.188 | 1462.9 | | | | | | | | | |
| ISL | 500 | 1.67 | 34.735 | 27.81 | 32.28 | 0.221 | 1464.7 | | | | | | | | | |
| ISL | 600 | 1.65 | 34.755 | 27.82 | 30.91 | 0.252 | 1466.3 | | | | | | | | | |
| ISL | 700 | 1.55 | 34.757 | 27.83 | 30.27 | 0.283 | 1467.5 | | | | | | | | | |
| ISL | 800 | 1.46 | 34.757 | 27.84 | 29.87 | 0.313 | 1468.8 | | | | | | | | | |
| ISL | 900 | 1.39 | 34.755 | 27.84 | 29.70 | 0.343 | 1470.2 | | | | | | | | | |
| ISL | 1000 | 1.31 | 34.750 | 27.84 | 29.68 | 0.372 | 1471.5 | | | | | | | | | |
| ISL | 1100 | 1.19 | 34.739 | 27.84 | 29.60 | 0.402 | 1472.6 | | | | | | | | | |
| ISL | 1200 | 1.09 | 34.731 | 27.85 | 29.49 | 0.432 | 1473.8 | | | | | | | | | |
| ISL | 1300 | 1.00 | 34.726 | 27.85 | 29.29 | 0.461 | 1475.1 | | | | | | | | | |
| ISL | 1400 | 0.92 | 34.723 | 27.85 | 28.92 | 0.490 | 1476.4 | | | | | | | | | |
| ISL | 1500 | 0.84 | 34.721 | 27.85 | 28.43 | 0.519 | 1477.8 | | | | | | | | | |
| ISL | 1750 | 0.64 | 34.718 | 27.86 | 27.07 | 0.588 | 1481.1 | | | | | | | | | |
| ISL | 2000 | 0.49 | 34.708 | 27.86 | 26.49 | 0.655 | 1484.7 | | | | | | | | | |
| ISL | 2250 | 0.37 | 34.695 | 27.86 | 26.29 | 0.721 | 1488.4 | | | | | | | | | |
| ISL | 2500 | 0.23 | 34.687 | 27.86 | 25.34 | 0.786 | 1492.1 | | | | | | | | | |
| ISL | 2750 | 0.11 | 34.685 | 27.87 | 24.15 | 0.847 | 1495.9 | | | | | | | | | |
| ISL | 3000 | 0.04 | 34.684 | 27.87 | 23.23 | 0.907 | 1499.9 | | | | | | | | | |
| ISL | 3250 | -0.04 | 34.685 | 27.87 | 22.08 | 0.963 | 1503.9 | | | | | | | | | |
| ISL | 3500 | -0.12 | 34.686 | 27.88 | 20.83 | 1.017 | 1508.0 | | | | | | | | | |
| ISL | 3750 | -0.16 | 34.682 | 27.88 | 20.37 | 1.068 | 1512.2 | | | | | | | | | |
| ISL | 4000 | -0.18 | 34.682 | 27.88 | 19.86 | 1.119 | 1516.6 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|--|-----|-----|-----|
| EL 49 | 1376 | 0 | | 10 | 10 | 71 | 15.6 | 5745.9S | 10004.4E | 505 | 4137 | -3.7 | | 266 | 273 | 22 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² -ml/l | PHOS 10 ² -µgat/l | NITR 10-µgat/l | SILIC µgat/l | | | | |
| OBS | 1 | -1.02 | 34.128 | | 27.47 | | | 1443.4 | 824 | | | 38 | | | | |
| OBS | 50 | -1.00 | 34.114 | | 27.46 | | | 1444.3 | 824 | | | 39 | | | | |
| OBS | 100 | -0.97 | 34.112 | | 27.45 | | | 1445.2 | 818 | | | 38 | | | | |
| OBS | 149 | -1.00 | 34.115 | | 27.46 | | | 1445.9 | 819 | | | 39 | | | | |
| OBS | 198 | 1.33 | 34.444 | | 27.60 | | | 1457.8 | 511 | | | 66 | | | | |
| OBS | 247 | 1.59 | 34.554 | | 27.67 | | | 1459.9 | 463 | | | 74 | | | | |
| OBS | 296 | 1.85 | 34.624 | | 27.70 | | | 1462.0 | 442 | | | 77 | | | | |
| OBS | 393 | 1.83 | 34.671 | | 27.74 | | | 1463.5 | 442 | | | 80 | | | | |
| OBS | 586 | 1.81 | 34.725 | | 27.79 | | | 1466.7 | 459 | | | 83 | | | | |
| OBS | 782 | 1.69 | 34.737 | | 27.81 | | | 1469.5 | 467 | | | 87 | | | | |
| OBS | 980 | 1.50 | 34.737 | | 27.82 | | | 1471.9 | 477 | | | 92 | | | | |
| OBS | 1178 | 1.31 | 34.735 | | 27.83 | | | 1474.4 | 486 | | | 97 | | | | |
| OBS | 1363 | 1.17 | 34.735 | | 27.84 | | | 1476.9 | 486 | | | 101 | | | | |
| OBS | 1657 | 0.91 | 34.723 | | 27.85 | | | 1480.7 | 4750 | | | 108 | | | | |
| OBS | 1952 | | 34.706 | | | | | | 505 | | | 115 | | | | |
| OBS | 2347 | 0.38 | 34.692 | | 27.86 | | | 1490.0 | 519 | | | 121 | | | | |
| OBS | 2742 | 0.18 | 34.686 | | 27.86 | | | 1495.9 | 529 | | | 122 | | | | |
| OBS | 3139 | 0.04 | 34.681 | | 27.87 | | | 1502.2 | 543 | | | 124 | | | | |
| OBS | 3535 | -0.07 | 34.680 | | 27.87 | | | 1508.6 | 562 | | | 123 | | | | |
| OBS | 3832 | -0.14 | 34.680 | | 27.88 | | | 1513.6 | 571 | | | 122 | | | | |
| OBS | 3930 | -0.15 | | | | | | | | | | | | | | |
| OBS | 4029 | -0.16 | 34.677 | | 27.87 | | | 1517.0 | 576 | | | 122 | | | | |
| ISL | 0 | -1.02 | 34.128 | | 27.47 | 62.31 | 0.000 | 1443.4 | | | | | | | | |
| ISL | 10 | -1.02 | 34.125 | | 27.47 | 62.54 | 0.006 | 1443.5 | | | | | | | | |
| ISL | 20 | -1.01 | 34.121 | | 27.46 | 62.76 | 0.013 | 1443.7 | | | | | | | | |
| ISL | 30 | -1.01 | 34.118 | | 27.46 | 62.95 | 0.019 | 1443.9 | | | | | | | | |
| ISL | 50 | -1.00 | 34.114 | | 27.46 | 63.24 | 0.031 | 1444.3 | | | | | | | | |
| ISL | 75 | -0.99 | 34.111 | | 27.45 | 63.40 | 0.047 | 1444.7 | | | | | | | | |
| ISL | 100 | -0.97 | 34.112 | | 27.45 | 63.29 | 0.063 | 1445.2 | | | | | | | | |
| ISL | 125 | -0.99 | 34.112 | | 27.45 | 63.12 | 0.079 | 1445.6 | | | | | | | | |
| ISL | 150 | -0.98 | 34.118 | | 27.46 | 62.57 | 0.095 | 1446.0 | | | | | | | | |
| ISL | 200 | 1.34 | 34.452 | | 27.60 | 50.00 | 0.123 | 1457.9 | | | | | | | | |
| ISL | 250 | 1.61 | 34.559 | | 27.67 | 44.01 | 0.146 | 1460.0 | | | | | | | | |
| ISL | 300 | 1.85 | 34.628 | | 27.71 | 40.94 | 0.167 | 1462.0 | | | | | | | | |
| ISL | 400 | 1.83 | 34.674 | | 27.75 | 37.75 | 0.207 | 1463.7 | | | | | | | | |
| ISL | 500 | 1.82 | 34.707 | | 27.77 | 35.57 | 0.243 | 1465.3 | | | | | | | | |
| ISL | 600 | 1.80 | 34.727 | | 27.79 | 34.37 | 0.278 | 1466.9 | | | | | | | | |
| ISL | 700 | 1.75 | 34.735 | | 27.80 | 33.72 | 0.312 | 1468.4 | | | | | | | | |
| ISL | 800 | 1.67 | 34.737 | | 27.81 | 33.24 | 0.346 | 1469.7 | | | | | | | | |
| ISL | 900 | 1.58 | 34.737 | | 27.82 | 32.71 | 0.379 | 1470.9 | | | | | | | | |
| ISL | 1000 | 1.48 | 34.737 | | 27.82 | 32.21 | 0.411 | 1472.2 | | | | | | | | |
| ISL | 1100 | 1.38 | 34.736 | | 27.83 | 31.71 | 0.443 | 1473.4 | | | | | | | | |
| ISL | 1200 | 1.29 | 34.735 | | 27.83 | 31.16 | 0.475 | 1474.7 | | | | | | | | |
| ISL | 1300 | 1.22 | 34.735 | | 27.84 | 30.76 | 0.506 | 1476.0 | | | | | | | | |
| ISL | 1400 | 1.14 | 34.734 | | 27.84 | 30.26 | 0.536 | 1477.4 | | | | | | | | |
| ISL | 1500 | 1.05 | 34.731 | | 27.85 | 29.83 | 0.566 | 1478.7 | | | | | | | | |
| ISL | 1750 | 0.83 | 34.718 | | 27.85 | 29.02 | 0.640 | 1481.9 | | | | | | | | |
| ISL | 2000 | 0.62 | 34.704 | | 27.85 | 28.19 | 0.711 | 1485.2 | | | | | | | | |
| ISL | 2250 | 0.44 | 34.695 | | 27.86 | 27.11 | 0.780 | 1488.6 | | | | | | | | |
| ISL | 2500 | 0.29 | 34.689 | | 27.86 | 25.92 | 0.847 | 1492.3 | | | | | | | | |
| ISL | 2750 | 0.18 | 34.686 | | 27.86 | 24.80 | 0.910 | 1496.1 | | | | | | | | |
| ISL | 3000 | 0.08 | 34.682 | | 27.87 | 23.88 | 0.971 | 1500.0 | | | | | | | | |
| ISL | 3250 | 0.01 | 34.680 | | 27.87 | 23.00 | 1.030 | 1504.0 | | | | | | | | |
| ISL | 3500 | -0.06 | 34.680 | | 27.87 | 22.01 | 1.086 | 1508.1 | | | | | | | | |
| ISL | 3750 | -0.13 | 34.680 | | 27.88 | 20.98 | 1.140 | 1512.2 | | | | | | | | |
| ISL | 4000 | -0.16 | 34.678 | | 27.87 | 20.54 | 1.191 | 1516.5 | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|------------------------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|--|-----|-----|-----|
| EL 49 | 1377 | 0 | | 11 | 10 | 71 | 10.8 | 5634.7S | 10006.1E | 505 | 3406 | -2.8 | | 213 | 253 | 22 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | | | |
| OBS | 1 | -0.83 | 34.130 | | 27.46 | | | 1444.3 | 822 | | | 37 | | | | |
| OBS | 50 | -0.84 | 34.119 | | 27.45 | | | 1445.0 | 827 | | | 38 | | | | |
| OBS | 99 | -0.85 | 34.119 | | 27.45 | | | 1445.8 | 808 | | | 37 | | | | |
| OBS | 147 | -0.87 | 34.118 | | 27.45 | | | 1446.5 | 822 | | | 38 | | | | |
| OBS | 196 | 0.01 | 34.259 | | 27.53 | | | 1451.6 | 687 | | | 50 | | | | |
| OBS | 293 | 1.79 | 34.567 | | 27.66 | | | 1461.6 | 457 | | | 73 | | | | |
| OBS | 388 | 1.92 | 34.645 | | 27.72 | | | 1463.8 | 444 | | | 76 | | | | |
| OBS | 486 | 1.84 | 34.684 | | 27.75 | | | 1465.2 | 442 | | | 80 | | | | |
| OBS | 583 | 1.84 | 34.710 | | 27.77 | | | 1466.8 | 452 | | | 80 | | | | |
| OBS | 778 | 1.79 | 34.735 | | 27.80 | | | 1469.9 | | | | 84 | | | | |
| OBS | 973 | 1.60 | 34.743 | | 27.82 | | | 1472.3 | 473 | | | 87 | | | | |
| OBS | 1170 | 1.36 | 34.738 | | 27.83 | | | 1474.5 | 490 | | | 93 | | | | |
| OBS | 1448 | 1.16 | 34.738C | | 27.85C | | | 1478.3Q | 485 | | | 99 | | | | |
| OBS | 1640 | 0.99 | 34.720 | | 27.84 | | | 1480.8 | 472 | | | 104 | | | | |
| OBS | 1831 | | 34.715 | | | | | | 503 | | | 106 | | | | |
| OBS | 2025 | 0.75 | 34.708 | | 27.85 | | | 1486.3 | 503 | | | 113 | | | | |
| OBS | 2306 | 0.56 | 34.703 | | 27.86 | | | 1490.2 | 511 | | | 114 | | | | |
| OBS | 2601 | 0.37 | 34.691 | | 27.86 | | | 1494.5 | 516 | | | 119 | | | | |
| OBS | 2905 | 0.21 | 34.686 | | 27.86 | | | 1499.0 | 536 | | | 120 | | | | |
| OBS | 3103 | 0.14 | 34.683 | | 27.86 | | | 1502.1 | 548 | | | 122 | | | | |
| OBS | 3202 | 0.10 | 34.680 | | 27.86 | | | 1503.7 | 541 | | | 132 | | | | |
| OBS | 3252 | 0.08 | 34.677 | | 27.86 | | | 1504.5 | 550 | | | 121 | | | | |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | -0.83 | 34.130 | | 27.46 | 62.82 | 0.000 | 1444.3 | | | | | | | | |
| ISL | 10 | -0.83 | 34.127 | | 27.46 | 62.99 | 0.006 | 1444.4 | | | | | | | | |
| ISL | 20 | -0.83 | 34.125 | | 27.46 | 63.16 | 0.013 | 1444.6 | | | | | | | | |
| ISL | 30 | -0.84 | 34.122 | | 27.46 | 63.26 | 0.019 | 1444.7 | | | | | | | | |
| ISL | 50 | -0.84 | 34.119 | | 27.45 | 63.44 | 0.032 | 1445.0 | | | | | | | | |
| ISL | 75 | -0.85 | 34.119 | | 27.45 | 63.32 | 0.047 | 1445.4 | | | | | | | | |
| ISL | 100 | -0.85 | 34.119 | | 27.45 | 63.22 | 0.063 | 1445.8 | | | | | | | | |
| ISL | 125 | -0.86 | 34.118 | | 27.45 | 63.11 | 0.079 | 1446.2 | | | | | | | | |
| ISL | 150 | -0.83 | 34.123 | | 27.46 | 62.81 | 0.095 | 1446.7 | | | | | | | | |
| ISL | 200 | 0.08 | 34.271 | | 27.54 | 55.78 | 0.124 | 1452.0 | | | | | | | | |
| ISL | 250 | 1.00 | 34.427 | | 27.61 | 49.58 | 0.151 | 1457.2 | | | | | | | | |
| ISL | 300 | 1.84 | 34.579 | | 27.67 | 44.58 | 0.174 | 1462.0 | | | | | | | | |
| ISL | 400 | 1.92 | 34.652 | | 27.72 | 40.14 | 0.217 | 1464.0 | | | | | | | | |
| ISL | 500 | 1.84 | 34.688 | | 27.76 | 37.16 | 0.255 | 1465.4 | | | | | | | | |
| ISL | 600 | 1.84 | 34.713 | | 27.78 | 35.70 | 0.292 | 1467.1 | | | | | | | | |
| ISL | 700 | 1.83 | 34.729 | | 27.79 | 34.82 | 0.327 | 1468.7 | | | | | | | | |
| ISL | 800 | 1.77 | 34.737 | | 27.80 | 34.19 | 0.362 | 1470.2 | | | | | | | | |
| ISL | 900 | 1.68 | 34.742 | | 27.81 | 33.37 | 0.395 | 1471.4 | | | | | | | | |
| ISL | 1000 | 1.57 | 34.743 | | 27.82 | 32.58 | 0.428 | 1472.6 | | | | | | | | |
| ISL | 1100 | 1.45 | 34.740 | | 27.83 | 31.95 | 0.461 | 1473.7 | | | | | | | | |
| ISL | 1200 | 1.33 | 34.737 | | 27.83 | 31.42 | 0.492 | 1474.9 | | | | | | | | |
| ISL | 1300 | 1.27 | 34.733 | | 27.83 | 31.38 | 0.524 | 1476.3 | | | | | | | | |
| ISL | 1400 | 1.20 | 34.729 | | 27.84 | 31.21 | 0.555 | 1477.7 | | | | | | | | |
| ISL | 1500 | 1.12 | 34.725 | | 27.84 | 30.93 | 0.586 | 1479.0 | | | | | | | | |
| ISL | 1750 | 0.92 | 34.717 | | 27.84 | 30.05 | 0.662 | 1482.4 | | | | | | | | |
| ISL | 2000 | 0.77 | 34.709 | | 27.85 | 29.37 | 0.736 | 1485.9 | | | | | | | | |
| ISL | 2250 | 0.60 | 34.704 | | 27.85 | 28.11 | 0.808 | 1489.4 | | | | | | | | |
| ISL | 2500 | 0.43 | 34.695 | | 27.86 | 27.12 | 0.877 | 1493.0 | | | | | | | | |
| ISL | 2750 | 0.28 | 34.688 | | 27.86 | 25.93 | 0.944 | 1496.6 | | | | | | | | |
| ISL | 3000 | 0.18 | 34.685 | | 27.86 | 24.91 | 1.007 | 1500.5 | | | | | | | | |
| ISL | 3250 | 0.08 | 34.677 | | 27.86 | 24.18 | 1.069 | 1504.4 | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------|-------------------------------|---------------------------------|-------------------|-----------------|-----|
| EL 49 | 1378 | 0 | | 12 | 10 | 71 | 6.6 | 5423.8S | 10001.2E | 505 | 3863 | -C.5 | | 193 | 182 | 22 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | | OXYG 10 ² .ml/l | PHOS 10 ² .µgat/l | NITR 10.µgat/l | SILIC µgat/l | |
| OBS | 1 | 0.60 | | 34.081 | | 27.35 | | | | 1450.8 | | 782 | | | 29 | |
| OBS | 48 | 0.38 | | 34.079 | | 27.36 | | | | 1450.5 | | 783 | | | 30 | |
| OBS | 96 | 0.26 | | 34.093 | | 27.38 | | | | 1450.8 | | 778 | | | 32 | |
| OBS | 145 | 0.25 | | 34.103 | | 27.39 | | | | 1451.6 | | 760 | | | 34 | |
| OBS | 194 | 0.45 | | 34.179 | | 27.44 | | | | 1453.4 | | 690 | | | 41 | |
| OBS | 294 | 1.74 | | 34.382 | | 27.52 | | | | 1461.1 | | 513 | | | 57 | |
| OBS | 393 | 1.73 | | 34.495 | | 27.61 | | | | 1462.9 | | 466 | | | 68 | |
| OBS | 492 | | | 34.563 | | | | | | | | 440 | | | 73 | |
| OBS | 591 | 2.03 | | 34.633 | | 27.70 | | | | 1467.6 | | 435 | | | 76 | |
| OBS | 789 | 1.94 | | 34.712 | | 27.77 | | | | 1470.6 | | 441 | | | 81 | |
| OBS | 986 | 1.89 | | 34.776C | | 27.82C | | | | 1473.8C | | 454 | | | 84 | |
| OBS | 1183 | 1.77 | | 34.751 | | 27.81 | | | | 1476.5 | | 470 | | | 88 | |
| OBS | 1345 | 1.65 | | 34.752 | | 27.82 | | | | 1478.7 | | 473 | | | 91 | |
| OBS | 1640 | 1.35 | | 34.757 | | 27.85 | | | | 1482.4 | | 478 | | | 100 | |
| OBS | 1936 | | | 34.742 | | | | | | | | 489 | | | 106 | |
| OBS | 2232 | 0.85 | | | | | | | | | | 491 | | | 114 | |
| OBS | 2531 | 0.63 | | 34.746C | | 27.89C | | | | 1494.4C | | 515 | | | 119 | |
| OBS | 2929 | 0.38 | | 34.705 | | 27.87 | | | | 1500.1 | | 516 | | | 124 | |
| OBS | 3329 | 0.13 | | 34.696 | | 27.87 | | | | 1505.9 | | 532 | | | 117 | |
| OBS | 3729 | 0.04 | | 34.697 | | 27.88 | | | | 1512.6 | | 549 | | | 129 | |
| OBS | 3779 | 0.07 | | 34.684 | | 27.87 | | | | 1513.6 | | 544 | | | 128 | |
| OBS | 3830 | 0.05 | | 34.678 | | 27.86 | | | | 1514.4 | | 546 | | | 129 | |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | 0.60 | | 34.081 | | 27.35 | | 73.15 | 0.000 | 1450.8 | | | | | | |
| ISL | 10 | 0.55 | | 34.080 | | 27.36 | | 72.96 | 0.007 | 1450.7 | | | | | | |
| ISL | 20 | 0.50 | | 34.079 | | 27.36 | | 72.77 | 0.015 | 1450.6 | | | | | | |
| ISL | 30 | 0.45 | | 34.078 | | 27.36 | | 72.53 | 0.022 | 1450.6 | | | | | | |
| ISL | 50 | 0.37 | | 34.079 | | 27.37 | | 72.04 | 0.036 | 1450.5 | | | | | | |
| ISL | 75 | 0.30 | | 34.087 | | 27.38 | | 71.02 | 0.054 | 1450.6 | | | | | | |
| ISL | 100 | 0.25 | | 34.094 | | 27.38 | | 70.24 | 0.072 | 1450.8 | | | | | | |
| ISL | 125 | 0.23 | | 34.099 | | 27.39 | | 69.71 | 0.089 | 1451.2 | | | | | | |
| ISL | 150 | 0.26 | | 34.108 | | 27.39 | | 69.15 | 0.107 | 1451.7 | | | | | | |
| ISL | 200 | 0.50 | | 34.190 | | 27.45 | | 64.36 | 0.140 | 1453.8 | | | | | | |
| ISL | 250 | 1.15 | | 34.290 | | 27.49 | | 61.06 | 0.171 | 1457.6 | | | | | | |
| ISL | 300 | 1.75 | | 34.391 | | 27.53 | | 58.03 | 0.201 | 1461.3 | | | | | | |
| ISL | 400 | 1.74 | | 34.50C | | 27.61 | | 50.03 | 0.255 | 1463.0 | | | | | | |
| ISL | 500 | 1.89 | | 34.569 | | 27.66 | | 46.59 | 0.304 | 1465.4 | | | | | | |
| ISL | 600 | 2.03 | | 34.638 | | 27.70 | | 43.05 | 0.348 | 1467.8 | | | | | | |
| ISL | 700 | 1.98 | | 34.685 | | 27.74 | | 39.51 | 0.390 | 1469.3 | | | | | | |
| ISL | 800 | 1.94 | | 34.715 | | 27.77 | | 37.32 | 0.428 | 1470.8 | | | | | | |
| ISL | 900 | 1.91 | | 34.737 | | 27.79 | | 35.86 | 0.465 | 1472.4 | | | | | | |
| ISL | 1000 | 1.88 | | 34.743 | | 27.80 | | 35.62 | 0.500 | 1474.0 | | | | | | |
| ISL | 1100 | 1.83 | | 34.747 | | 27.80 | | 35.14 | 0.536 | 1475.4 | | | | | | |
| ISL | 1200 | 1.76 | | 34.751 | | 27.81 | | 34.58 | 0.571 | 1476.8 | | | | | | |
| ISL | 1300 | 1.69 | | 34.752 | | 27.82 | | 34.17 | 0.605 | 1478.1 | | | | | | |
| ISL | 1400 | 1.60 | | 34.753 | | 27.83 | | 33.55 | 0.639 | 1479.4 | | | | | | |
| ISL | 1500 | 1.49 | | 34.754 | | 27.84 | | 32.63 | 0.672 | 1480.6 | | | | | | |
| ISL | 1750 | 1.25 | | 34.752 | | 27.85 | | 30.98 | 0.751 | 1483.8 | | | | | | |
| ISL | 2000 | 1.03 | | 34.739 | | 27.86 | | 30.09 | 0.828 | 1487.0 | | | | | | |
| ISL | 2250 | 0.84 | | 34.728 | | 27.86 | | 29.12 | 0.902 | 1490.4 | | | | | | |
| ISL | 2500 | 0.65 | | 34.718 | | 27.86 | | 27.99 | 0.973 | 1493.9 | | | | | | |
| ISL | 2750 | 0.49 | | 34.710 | | 27.87 | | 26.89 | 1.042 | 1497.5 | | | | | | |
| ISL | 3000 | 0.34 | | 34.703 | | 27.87 | | 25.58 | 1.107 | 1501.1 | | | | | | |
| ISL | 3250 | 0.18 | | 34.697 | | 27.87 | | 24.03 | 1.169 | 1504.8 | | | | | | |
| ISL | 3500 | 0.05 | | 34.696 | | 27.88 | | 22.36 | 1.227 | 1508.6 | | | | | | |
| ISL | 3750 | 0.05 | | 34.691 | | 27.87 | | 22.67 | 1.284 | 1513.0 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 49 | 1379 | 0 | | 13 | 10 | 71 | 11.2 | 5221.2S | 9943.4E | 506 | 3676 | 1.8 | | 355 | 3 | 22 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 2.40 | 34.028 | 27.18 | | | 1458.7 | 775 | | | 16 | | | | | |
| OBS | 50 | 2.31 | 34.026 | 27.19 | | | 1459.1 | 780 | | | 16 | | | | | |
| OBS | 99 | 1.97 | 34.045 | 27.23 | | | 1458.5 | 757 | | | 20 | | | | | |
| OBS | 148 | 1.71 | 34.051 | 27.26 | | | 1458.1 | 755 | | | 22 | | | | | |
| OBS | 197 | 1.66 | 34.088 | 27.29 | | | 1458.8 | 727 | | | 25 | | | | | |
| OBS | 293 | 0.86 | 34.063 | 27.32 | | | 1456.7 | 770 | | | 31 | | | | | |
| OBS | 388 | 0.56 | 34.097 | 27.37 | | | 1457.0 | 762 | | | 31 | | | | | |
| OBS | 484 | 1.59 | 34.265 | 27.44 | | | 1463.4 | 576 | | | 46 | | | | | |
| OBS | 581 | 2.04 | 34.410 | 27.52 | | | 1467.2 | 489 | | | 58 | | | | | |
| OBS | 776 | 2.17 | 34.571 | 27.64 | | | 1471.2 | 442 | | | 71 | | | | | |
| OBS | 974 | 2.18 | 34.663 | 27.71 | | | 1474.7 | 435 | | | 75 | | | | | |
| OBS | 1172 | 2.14 | 34.723 | 27.76 | | | 1477.9 | | | | 78 | | | | | |
| OBS | 1410 | 2.01 | 34.749 | 27.79 | | | 1481.4 | 460 | | | 80 | | | | | |
| OBS | 1592 | 1.92 | 34.760 | 27.81 | | | 1484.1 | 463 | | | 84 | | | | | |
| OBS | 1778 | 1.77 | 34.761 | 27.82 | | | 1486.6 | 482 | | | 87 | | | | | |
| OBS | 1961 | 1.57 | 34.747 | 27.82 | | | 1488.8 | 488 | | | 94 | | | | | |
| OBS | 2253 | 1.30 | 34.738 | 27.84 | | | 1492.5 | 489 | | | 102 | | | | | |
| OBS | 2647 | 0.94 | 34.718 | 27.84 | | | 1497.7 | 500 | | | 112 | | | | | |
| OBS | 3046 | 0.58 | 34.699 | 27.85 | | | 1503.0 | 522 | | | 120 | | | | | |
| OBS | 3347 | 0.32 | 34.694 | 27.86 | | | 1507.1 | 538 | | | 127 | | | | | |
| OBS | 3397 | 0.30 | 34.687 | 27.86 | | | 1507.8 | 530 | | | 125 | | | | | |
| OBS | 3446 | 0.28 | 34.682 | 27.86 | | | 1508.6 | 538 | | | 126 | | | | | |
| ISL | 0 | 2.40 | 34.028 | 27.18 | 89.20 | 0.000 | 1458.7 | | | | | | | | | |
| ISL | 10 | 2.40 | 34.027 | 27.18 | 89.34 | 0.009 | 1458.8 | | | | | | | | | |
| ISL | 20 | 2.39 | 34.026 | 27.18 | 89.40 | 0.018 | 1459.0 | | | | | | | | | |
| ISL | 30 | 2.37 | 34.025 | 27.18 | 89.31 | 0.027 | 1459.0 | | | | | | | | | |
| ISL | 50 | 2.31 | 34.026 | 27.19 | 88.88 | 0.045 | 1459.1 | | | | | | | | | |
| ISL | 75 | 2.13 | 34.037 | 27.21 | 86.78 | 0.067 | 1458.7 | | | | | | | | | |
| ISL | 100 | 1.96 | 34.045 | 27.23 | 84.98 | 0.088 | 1458.4 | | | | | | | | | |
| ISL | 125 | 1.81 | 34.050 | 27.25 | 83.57 | 0.109 | 1458.2 | | | | | | | | | |
| ISL | 150 | 1.70 | 34.052 | 27.26 | 82.73 | 0.130 | 1458.1 | | | | | | | | | |
| ISL | 200 | 1.65 | 34.089 | 27.29 | 79.66 | 0.171 | 1458.7 | | | | | | | | | |
| ISL | 250 | 1.18 | 34.069 | 27.31 | 77.95 | 0.210 | 1457.5 | | | | | | | | | |
| ISL | 300 | 0.82 | 34.063 | 27.33 | 75.97 | 0.248 | 1456.7 | | | | | | | | | |
| ISL | 400 | 0.64 | 34.117 | 27.38 | 70.79 | 0.322 | 1457.6 | | | | | | | | | |
| ISL | 500 | 1.70 | 34.291 | 27.45 | 65.77 | 0.390 | 1464.2 | | | | | | | | | |
| ISL | 600 | 2.10 | 34.433 | 27.53 | 58.97 | 0.452 | 1467.8 | | | | | | | | | |
| ISL | 700 | 2.14 | 34.525 | 27.60 | 53.02 | 0.508 | 1469.8 | | | | | | | | | |
| ISL | 800 | 2.18 | 34.585 | 27.65 | 49.26 | 0.560 | 1471.7 | | | | | | | | | |
| ISL | 900 | 2.19 | 34.636 | 27.69 | 46.13 | 0.607 | 1473.5 | | | | | | | | | |
| ISL | 1000 | 2.18 | 34.673 | 27.72 | 43.75 | 0.652 | 1475.1 | | | | | | | | | |
| ISL | 1100 | 2.16 | 34.705 | 27.74 | 41.66 | 0.695 | 1476.8 | | | | | | | | | |
| ISL | 1200 | 2.13 | 34.728 | 27.77 | 40.04 | 0.736 | 1478.3 | | | | | | | | | |
| ISL | 1300 | 2.07 | 34.740 | 27.78 | 39.05 | 0.775 | 1479.8 | | | | | | | | | |
| ISL | 1400 | 2.02 | 34.748 | 27.79 | 38.33 | 0.814 | 1481.2 | | | | | | | | | |
| ISL | 1500 | 1.97 | 34.756 | 27.80 | 37.67 | 0.852 | 1482.7 | | | | | | | | | |
| ISL | 1750 | 1.80 | 34.762 | 27.82 | 36.35 | 0.945 | 1486.2 | | | | | | | | | |
| ISL | 2000 | 1.53 | 34.745 | 27.83 | 35.37 | 1.034 | 1489.3 | | | | | | | | | |
| ISL | 2250 | 1.30 | 34.738 | 27.84 | 33.90 | 1.121 | 1492.5 | | | | | | | | | |
| ISL | 2500 | 1.07 | 34.725 | 27.84 | 32.60 | 1.204 | 1495.8 | | | | | | | | | |
| ISL | 2750 | 0.85 | 34.713 | 27.85 | 31.13 | 1.284 | 1499.0 | | | | | | | | | |
| ISL | 3000 | 0.62 | 34.701 | 27.85 | 29.41 | 1.359 | 1502.4 | | | | | | | | | |
| ISL | 3250 | 0.40 | 34.695 | 27.86 | 27.08 | 1.430 | 1505.7 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 49 | 1380 | 0 | | 14 | 10 | 71 | 8.8 | 5051.5S | 10006.2E | 505 | 3593 | 3.4 | | 313 | 313 | 22 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 1 | 2.09 | | 34.032 | | 27.21 | | | | 1457.4 | 759 | | | | | 20 |
| OBS | 50 | 1.98 | | 34.033 | | 27.22 | | | | 1457.7 | 763 | | | | | 20 |
| OBS | 100 | 1.75 | | 34.036 | | 27.24 | | | | 1457.5 | 773 | | | | | 23 |
| OBS | 149 | 0.82 | | 34.030 | | 27.30 | | | | 1454.1 | 785 | | | | | 24 |
| OBS | 198 | 0.72 | | 34.041 | | 27.31 | | | | 1454.5 | 782 | | | | | 26 |
| OBS | 247 | 1.83 | | | | | | | | | 622 | | | | | 36 |
| OBS | 295 | 2.23 | | 34.195 | | 27.33 | | | | 1463.0 | 534 | | | | | 46 |
| OBS | 393 | 2.34 | | 34.423 | | 27.50 | | | | 1465.4 | 466 | | | | | 59 |
| OBS | 588 | 2.27 | | 34.548 | | 27.61 | | | | 1468.5 | 436 | | | | | 68 |
| OBS | 785 | 2.29 | | 34.631 | | 27.67 | | | | 1472.0 | 427 | | | | | 74 |
| OBS | 984 | 2.25 | | 34.699 | | 27.73 | | | | 1475.2 | 441 | | | | | 76 |
| OBS | 1182 | 2.12 | | 34.730 | | 27.77 | | | | 1478.0 | 455 | | | | | 79 |
| OBS | 1312 | 2.02 | | 34.745 | | 27.79 | | | | 1479.8 | 461 | | | | | 81 |
| OBS | 1597 | 1.80 | | 34.745 | | 27.80 | | | | 1483.6 | 457 | | | | | 88 |
| OBS | 1878 | 1.54 | | 34.749 | | 27.83 | | | | 1487.2 | 486 | | | | | 95 |
| OBS | 2178 | 1.26 | | 34.735 | | 27.84 | | | | 1491.1 | 487 | | | | | 103 |
| OBS | 2473 | 1.01 | | 34.727 | | 27.85 | | | | 1495.0 | 496 | | | | | 110 |
| OBS | 2870 | 0.64 | | 34.709 | | 27.86 | | | | 1500.2 | 506 | | | | | 120 |
| OBS | 3268 | 0.31 | | 34.696 | | 27.86 | | | | 1505.6 | 528 | | | | | 126 |
| OBS | 3467 | 0.27 | | 34.688 | | 27.86 | | | | 1508.9 | 533 | | | | | 128 |
| OBS | 3518 | 0.27 | | 34.685 | | 27.86 | | | | 1509.8 | 529 | | | | | 127 |
| OBS | 3568 | 0.26 | | 34.683 | | 27.86 | | | | 1510.7 | 529 | | | | | 128 |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | 2.09 | | 34.032 | | 27.21 | 86.55 | 0.000 | | 1457.3 | | | | | | |
| ISL | 10 | 2.08 | | 34.032 | | 27.21 | 86.51 | 0.009 | | 1457.5 | | | | | | |
| ISL | 20 | 2.07 | | 34.032 | | 27.21 | 86.41 | 0.017 | | 1457.6 | | | | | | |
| ISL | 30 | 2.05 | | 34.033 | | 27.22 | 86.26 | 0.026 | | 1457.6 | | | | | | |
| ISL | 50 | 1.98 | | 34.033 | | 27.22 | 85.84 | 0.043 | | 1457.7 | | | | | | |
| ISL | 75 | 1.90 | | 34.034 | | 27.23 | 85.22 | 0.065 | | 1457.7 | | | | | | |
| ISL | 100 | 1.75 | | 34.036 | | 27.24 | 84.09 | 0.086 | | 1457.5 | | | | | | |
| ISL | 125 | 1.29 | | 34.034 | | 27.27 | 81.09 | 0.106 | | 1455.8 | | | | | | |
| ISL | 150 | 0.81 | | 34.030 | | 27.30 | 78.30 | 0.126 | | 1454.1 | | | | | | |
| ISL | 200 | 0.74 | | 34.043 | | 27.31 | 76.97 | 0.165 | | 1454.6 | | | | | | |
| ISL | 250 | 1.87 | | 34.104 | | 27.29 | 80.42 | 0.204 | | 1460.6 | | | | | | |
| ISL | 300 | 2.26 | | 34.205 | | 27.34 | 76.12 | 0.244 | | 1463.2 | | | | | | |
| ISL | 400 | 2.34 | | 34.434 | | 27.51 | 60.11 | 0.312 | | 1465.6 | | | | | | |
| ISL | 500 | 2.29 | | 34.502 | | 27.57 | 55.10 | 0.369 | | 1467.1 | | | | | | |
| ISL | 600 | 2.27 | | 34.554 | | 27.62 | 51.50 | 0.423 | | 1468.7 | | | | | | |
| ISL | 700 | 2.29 | | 34.599 | | 27.65 | 48.79 | 0.473 | | 1470.5 | | | | | | |
| ISL | 800 | 2.29 | | 34.637 | | 27.68 | 46.54 | 0.520 | | 1472.2 | | | | | | |
| ISL | 900 | 2.28 | | 34.674 | | 27.71 | 44.13 | 0.566 | | 1473.9 | | | | | | |
| ISL | 1000 | 2.24 | | 34.703 | | 27.74 | 42.19 | 0.609 | | 1475.5 | | | | | | |
| ISL | 1100 | 2.18 | | 34.719 | | 27.75 | 40.82 | 0.650 | | 1476.9 | | | | | | |
| ISL | 1200 | 2.11 | | 34.732 | | 27.77 | 39.54 | 0.691 | | 1478.2 | | | | | | |
| ISL | 1300 | 2.03 | | 34.744 | | 27.79 | 38.35 | 0.730 | | 1479.6 | | | | | | |
| ISL | 1400 | 1.95 | | 34.745 | | 27.79 | 37.86 | 0.768 | | 1480.9 | | | | | | |
| ISL | 1500 | 1.88 | | 34.745 | | 27.80 | 37.48 | 0.805 | | 1482.3 | | | | | | |
| ISL | 1750 | 1.66 | | 34.747 | | 27.82 | 35.88 | 0.897 | | 1485.6 | | | | | | |
| ISL | 2000 | 1.43 | | 34.743 | | 27.83 | 34.31 | 0.985 | | 1488.8 | | | | | | |
| ISL | 2250 | 1.20 | | 34.733 | | 27.84 | 33.02 | 1.069 | | 1492.0 | | | | | | |
| ISL | 2500 | 0.99 | | 34.726 | | 27.85 | 31.47 | 1.149 | | 1495.4 | | | | | | |
| ISL | 2750 | 0.75 | | 34.714 | | 27.85 | 29.80 | 1.226 | | 1498.6 | | | | | | |
| ISL | 3000 | 0.53 | | 34.705 | | 27.86 | 27.87 | 1.298 | | 1501.9 | | | | | | |
| ISL | 3250 | 0.32 | | 34.697 | | 27.86 | 25.89 | 1.365 | | 1505.4 | | | | | | |
| ISL | 3500 | 0.27 | | 34.686 | | 27.86 | 26.06 | 1.430 | | 1509.5 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 49 | 1381 | 0 | | 15 | 10 | 71 | 8.8 | 4904.7S | 10009.9E | 469 | 3263 | 4.9 | | 314 | 313 | 22 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 1 | 3.69 | | 34.034 | | 27.07 | | | | 1464.3 | 762 | | | | | 11 |
| OBS | 49 | 3.41 | | 34.027 | | 27.09 | | | | 1463.9 | 759 | | | | | 11 |
| OBS | 98 | 3.33 | | 34.018 | | 27.09 | | | | 1464.3 | 753 | | | | | 11 |
| OBS | 149 | 3.17 | | | | | | | | | 754 | | | | | 12 |
| OBS | 195 | 3.21 | | 34.077 | | 27.15 | | | | 1465.5 | 687 | | | | | 16 |
| OBS | 243 | 3.00 | | | | | | | | | 671 | | | | | 19 |
| OBS | 290 | 2.57 | | 34.100 | | 27.23 | | | | 1464.3 | 678 | | | | | 22 |
| OBS | 384 | 2.32 | | 34.141 | | 27.28 | | | | 1464.8 | 647 | | | | | 28 |
| OBS | 478 | 2.64 | | 34.271 | | 27.36 | | | | 1467.9 | 548 | | | | | 38 |
| OBS | 572 | 2.43 | | 34.322 | | 27.42 | | | | 1468.7 | 507 | | | | | 48 |
| OBS | 765 | 2.40 | | 34.477 | | 27.54 | | | | 1471.9 | 443 | | | | | 62 |
| OBS | 959 | 2.36 | | 34.578 | | 27.63 | | | | 1475.1 | 432 | | | | | 71 |
| OBS | 1155 | 2.33 | | 34.660 | | 27.69 | | | | 1478.4 | 425 | | | | | 74 |
| OBS | 1324 | 2.20 | | 34.725 | | 27.76 | | | | 1480.8 | 423 | | | | | 76 |
| OBS | 1585 | 2.14 | | 34.745 | | 27.78 | | | | 1484.9 | 464 | | | | | 78 |
| OBS | 1853 | 1.94 | | 34.755 | | 27.80 | | | | 1488.6 | 470 | | | | | 85 |
| OBS | 2125 | 1.68 | | 34.767 | | 27.83 | | | | 1492.1 | 475 | | | | | 91 |
| OBS | 2395 | 1.44 | | 34.750 | | 27.84 | | | | 1495.7 | 485 | | | | | 100 |
| OBS | 2712 | 1.14 | | 34.738 | | 27.85 | | | | 1499.8 | 492 | | | | | 109 |
| OBS | 2906 | 0.86 | | 34.714 | | 27.85 | | | | 1501.9 | 502 | | | | | 117 |
| OBS | 2954 | 0.79 | | 34.716 | | 27.85 | | | | 1502.4 | 500 | | | | | 117 |
| OBS | 3004 | 0.76 | | 34.697 | | 27.84 | | | | 1503.1 | 504 | | | | | 117 |
| ISL | 0 | 3.69 | | 34.034 | | 27.07 | 99.83 | 0.000 | | 1464.2 | | | | | | |
| ISL | 10 | 3.63 | | 34.033 | | 27.08 | 99.43 | 0.010 | | 1464.1 | | | | | | |
| ISL | 20 | 3.56 | | 34.031 | | 27.08 | 99.00 | 0.020 | | 1464.0 | | | | | | |
| ISL | 30 | 3.50 | | 34.030 | | 27.09 | 98.65 | 0.030 | | 1463.9 | | | | | | |
| ISL | 50 | 3.41 | | 34.027 | | 27.09 | 98.13 | 0.049 | | 1463.9 | | | | | | |
| ISL | 75 | 3.37 | | 34.022 | | 27.09 | 98.37 | 0.074 | | 1464.1 | | | | | | |
| ISL | 100 | 3.33 | | 34.018 | | 27.10 | 98.38 | 0.099 | | 1464.3 | | | | | | |
| ISL | 125 | 3.25 | | 34.033 | | 27.11 | 96.76 | 0.123 | | 1464.4 | | | | | | |
| ISL | 150 | 3.17 | | 34.054 | | 27.14 | 94.60 | 0.147 | | 1464.5 | | | | | | |
| ISL | 200 | 3.20 | | 34.079 | | 27.15 | 93.34 | 0.194 | | 1465.5 | | | | | | |
| ISL | 250 | 2.95 | | 34.088 | | 27.19 | 90.67 | 0.240 | | 1465.3 | | | | | | |
| ISL | 300 | 2.51 | | 34.103 | | 27.24 | 85.88 | 0.284 | | 1464.2 | | | | | | |
| ISL | 400 | 2.34 | | 34.158 | | 27.29 | 80.84 | 0.367 | | 1465.2 | | | | | | |
| ISL | 500 | 2.60 | | 34.283 | | 27.37 | 74.30 | 0.445 | | 1468.1 | | | | | | |
| ISL | 600 | 2.42 | | 34.341 | | 27.43 | 68.82 | 0.517 | | 1469.1 | | | | | | |
| ISL | 700 | 2.41 | | 34.428 | | 27.50 | 62.75 | 0.582 | | 1470.8 | | | | | | |
| ISL | 800 | 2.39 | | 34.499 | | 27.56 | 57.84 | 0.643 | | 1472.5 | | | | | | |
| ISL | 900 | 2.37 | | 34.551 | | 27.60 | 54.26 | 0.699 | | 1474.2 | | | | | | |
| ISL | 1000 | 2.35 | | 34.597 | | 27.64 | 51.19 | 0.751 | | 1475.8 | | | | | | |
| ISL | 1100 | 2.34 | | 34.638 | | 27.68 | 48.48 | 0.801 | | 1477.5 | | | | | | |
| ISL | 1200 | 2.30 | | 34.678 | | 27.71 | 45.63 | 0.848 | | 1479.1 | | | | | | |
| ISL | 1300 | 2.21 | | 34.718 | | 27.75 | 42.25 | 0.892 | | 1480.4 | | | | | | |
| ISL | 1400 | 2.17 | | 34.735 | | 27.77 | 41.00 | 0.934 | | 1481.9 | | | | | | |
| ISL | 1500 | 2.17 | | 34.740 | | 27.77 | 41.07 | 0.975 | | 1483.6 | | | | | | |
| ISL | 1750 | 2.03 | | 34.751 | | 27.79 | 39.84 | 1.076 | | 1487.3 | | | | | | |
| ISL | 2000 | 1.80 | | 34.761 | | 27.82 | 37.35 | 1.172 | | 1490.5 | | | | | | |
| ISL | 2250 | 1.57 | | 34.759 | | 27.83 | 35.64 | 1.264 | | 1493.8 | | | | | | |
| ISL | 2500 | 1.34 | | 34.745 | | 27.84 | 34.53 | 1.351 | | 1497.1 | | | | | | |
| ISL | 2750 | 1.09 | | 34.734 | | 27.85 | 32.68 | 1.435 | | 1500.2 | | | | | | |
| ISL | 3000 | 0.76 | | 34.699 | | 27.84 | 31.36 | 1.516 | | 1503.1 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 49 | 1382 | 0 | | 16 | 10 | 71 | 8.4 | 4715.1S | 10009.4E | 469 | 2910 | 0.1 | | 187 | 194 | 19 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 6.37 | 34.263 | 26.94 | | | 1475.6 | 722 | | | 6 | | | | | |
| OBS | 48 | 6.38 | 34.252 | 26.93 | | | 1476.4 | 714 | | | 6 | | | | | |
| OBS | 95 | 6.41 | 34.276 | 26.95 | | | 1477.3 | 702 | | | 6 | | | | | |
| OBS | 143 | 6.33 | 34.254 | 26.94 | | | 1477.8 | 707 | | | 6 | | | | | |
| OBS | 190 | 6.15 | 34.239 | 26.95 | | | 1477.8 | 704 | | | 6 | | | | | |
| OBS | 237 | 5.83 | 34.202 | 26.97 | | | 1477.2 | 709 | | | 6 | | | | | |
| OBS | 284 | 5.64 | 34.202 | 26.99 | | | 1477.2 | 680 | | | 7 | | | | | |
| OBS | 382 | 5.49 | 34.310 | 27.09 | | | 1478.4 | 567 | | | 16 | | | | | |
| OBS | 478 | 4.60 | 34.288 | 27.18 | | | 1476.3 | 562 | | | 21 | | | | | |
| OBS | 577 | 3.92 | 34.323 | 27.28 | | | 1475.1 | 530 | | | 30 | | | | | |
| OBS | 775 | 3.23 | 34.376 | 27.39 | | | 1475.5 | 495 | | | 45 | | | | | |
| OBS | 975 | 2.80 | 34.455 | 27.49 | | | 1477.1 | 460 | | | 58 | | | | | |
| OBS | 1168 | 2.59 | 34.559 | 27.59 | | | 1479.6 | 432 | | | 68 | | | | | |
| OBS | 1366 | 2.50 | 34.623 | 27.65 | | | 1482.6 | 414 | | | 73 | | | | | |
| OBS | 1663 | 2.35 | 34.716 | 27.74 | | | 1487.1 | 457 | | | 77 | | | | | |
| OBS | 1959 | 2.16 | 34.748 | 27.78 | | | 1491.3 | 473 | | | 81 | | | | | |
| OBS | 2259 | 1.88 | 34.772 | 27.82 | | | 1495.3 | 481 | | | 89 | | | | | |
| OBS | 2557 | 1.51 | 34.744 | 27.83 | | | 1498.7 | 485 | | | 103 | | | | | |
| OBS | 2757 | 1.36 | 34.751 | 27.84 | | | 1501.5 | 502 | | | 109 | | | | | |
| ISL | 0 | 6.37 | 34.263 | 26.94 | 111.90 | 0.000 | 1475.6 | | | | | | | | | |
| ISL | 10 | 6.37 | 34.260 | 26.94 | 112.34 | 0.011 | 1475.8 | | | | | | | | | |
| ISL | 20 | 6.38 | 34.257 | 26.94 | 112.75 | 0.022 | 1475.9 | | | | | | | | | |
| ISL | 30 | 6.38 | 34.254 | 26.94 | 113.03 | 0.034 | 1476.1 | | | | | | | | | |
| ISL | 50 | 6.38 | 34.252 | 26.94 | 113.55 | 0.056 | 1476.4 | | | | | | | | | |
| ISL | 75 | 6.40 | 34.266 | 26.94 | 113.07 | 0.085 | 1476.9 | | | | | | | | | |
| ISL | 100 | 6.41 | 34.274 | 26.95 | 112.96 | 0.113 | 1477.4 | | | | | | | | | |
| ISL | 125 | 6.37 | 34.262 | 26.94 | 113.79 | 0.141 | 1477.6 | | | | | | | | | |
| ISL | 150 | 6.31 | 34.251 | 26.94 | 114.15 | 0.170 | 1477.8 | | | | | | | | | |
| ISL | 200 | 6.09 | 34.233 | 26.96 | 113.43 | 0.227 | 1477.7 | | | | | | | | | |
| ISL | 250 | 5.77 | 34.198 | 26.97 | 112.61 | 0.283 | 1477.2 | | | | | | | | | |
| ISL | 300 | 5.60 | 34.212 | 27.00 | 110.11 | 0.339 | 1477.3 | | | | | | | | | |
| ISL | 400 | 5.33 | 34.310 | 27.11 | 100.85 | 0.444 | 1478.0 | | | | | | | | | |
| ISL | 500 | 4.43 | 34.296 | 27.20 | 92.34 | 0.541 | 1475.9 | | | | | | | | | |
| ISL | 600 | 3.79 | 34.330 | 27.30 | 83.59 | 0.629 | 1475.0 | | | | | | | | | |
| ISL | 700 | 3.43 | 34.356 | 27.35 | 78.55 | 0.710 | 1475.1 | | | | | | | | | |
| ISL | 800 | 3.16 | 34.384 | 27.40 | 74.23 | 0.786 | 1475.7 | | | | | | | | | |
| ISL | 900 | 2.93 | 34.422 | 27.45 | 69.63 | 0.858 | 1476.4 | | | | | | | | | |
| ISL | 1000 | 2.76 | 34.467 | 27.50 | 65.11 | 0.926 | 1477.4 | | | | | | | | | |
| ISL | 1100 | 2.64 | 34.523 | 27.56 | 60.24 | 0.988 | 1478.6 | | | | | | | | | |
| ISL | 1200 | 2.57 | 34.570 | 27.60 | 56.55 | 1.047 | 1480.1 | | | | | | | | | |
| ISL | 1300 | 2.53 | 34.602 | 27.63 | 54.26 | 1.102 | 1481.6 | | | | | | | | | |
| ISL | 1400 | 2.48 | 34.634 | 27.66 | 51.94 | 1.155 | 1483.1 | | | | | | | | | |
| ISL | 1500 | 2.44 | 34.666 | 27.69 | 49.60 | 1.206 | 1484.6 | | | | | | | | | |
| ISL | 1750 | 2.30 | 34.729 | 27.75 | 44.67 | 1.324 | 1488.4 | | | | | | | | | |
| ISL | 2000 | 2.13 | 34.752 | 27.78 | 42.06 | 1.432 | 1491.9 | | | | | | | | | |
| ISL | 2250 | 1.89 | 34.772 | 27.82 | 38.66 | 1.533 | 1495.2 | | | | | | | | | |
| ISL | 2500 | 1.57 | 34.746 | 27.82 | 37.38 | 1.628 | 1498.0 | | | | | | | | | |
| ISL | 2750 | 1.36 | 34.751 | 27.84 | 35.08 | 1.719 | 1501.4 | | | | | | | | | |

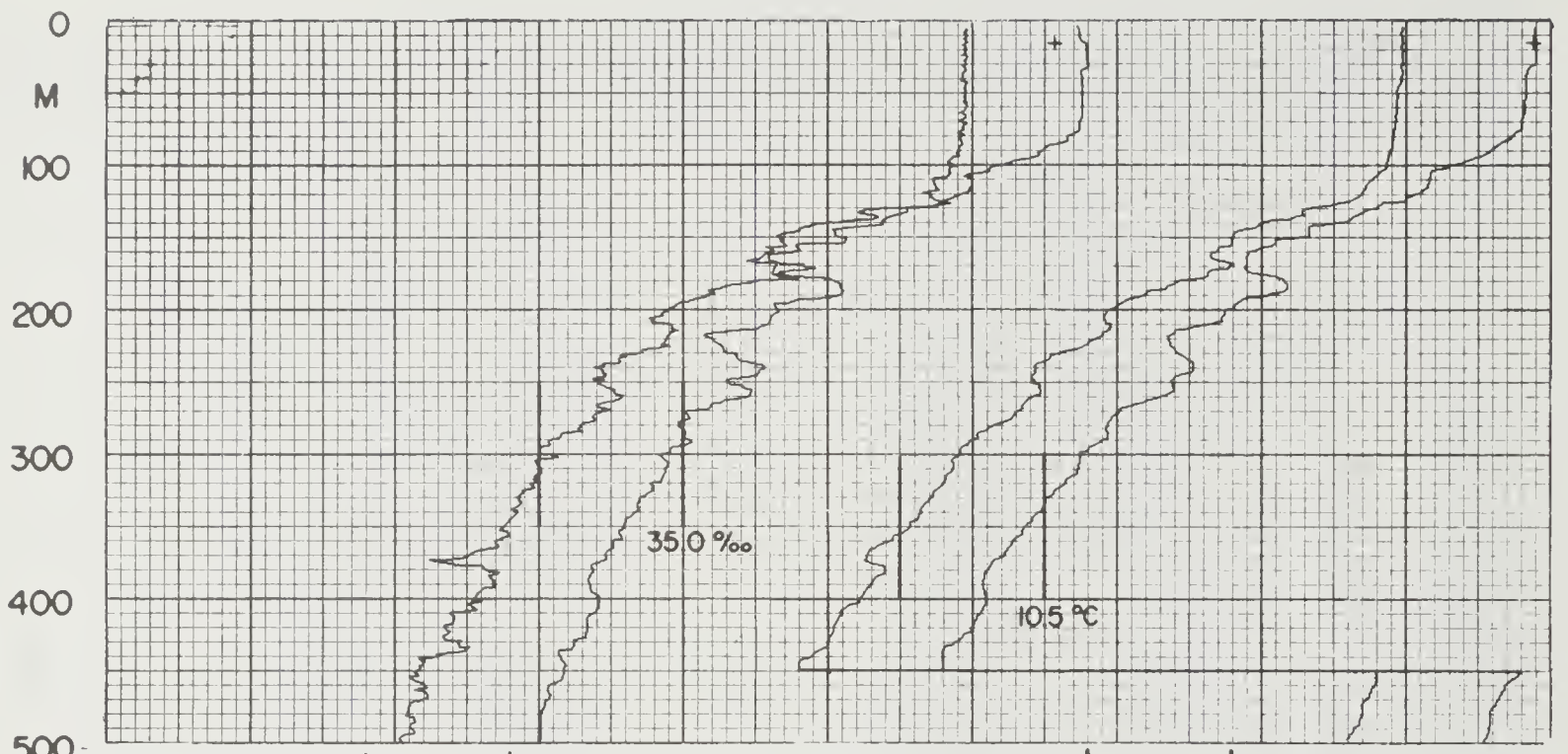
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 49 | 1383 | 0 | | 17 | 10 | 71 | 10.2 | 4539.7S | 10012.2E | 469 | 3352 | 5.8 | | 305 | 303 | 22 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 9.48 | 34.686 | 26.81 | | | 1488.1 | 649 | | | 4 | | | | | |
| OBS | 48 | 9.15 | 34.633 | 26.83 | | | 1487.6 | 653 | | | 4 | | | | | |
| OBS | 97 | 9.12 | 34.625 | 26.83 | | | 1488.3 | 649 | | | 4 | | | | | |
| OBS | 145 | 8.84 | 34.584 | 26.84 | | | 1487.9 | 647 | | | 4 | | | | | |
| OBS | 194 | 8.62 | 34.559 | 26.85 | | | 1487.9 | 657 | | | 4 | | | | | |
| OBS | 291 | 8.49 | 34.541 | 26.86 | | | 1489.0 | 651 | | | 4 | | | | | |
| OBS | 389 | 7.90 | 34.475 | 26.90 | | | 1488.2 | 638 | | | 6 | | | | | |
| OBS | 487 | 6.51 | 34.290 | 26.95 | | | 1484.2 | 672 | | | 10 | | | | | |
| OBS | 586 | 6.31 | 34.421 | 27.08 | | | 1485.2 | 530 | | | 15 | | | | | |
| OBS | 783 | 4.35 | 34.311 | 27.22 | | | 1480.3 | 529 | | | 25 | | | | | |
| OBS | 982 | 3.35 | 34.350 | 27.36 | | | 1479.5 | 495 | | | 40 | | | | | |
| OBS | 1182 | 2.92 | 34.455 | 27.48 | | | 1481.1 | 447 | | | 54 | | | | | |
| OBS | 1434 | 2.68 | 34.581 | 27.60 | | | 1484.5 | 414 | | | 66 | | | | | |
| OBS | 1666 | 2.51 | 34.664 | 27.68 | | | 1487.8 | 413 | | | 70 | | | | | |
| OBS | 1899 | 2.40 | 34.723 | 27.74 | | | 1491.3 | 444 | | | 72 | | | | | |
| OBS | 2185 | 2.17 | 34.751 | 27.78 | | | 1495.2 | 458 | | | 77 | | | | | |
| OBS | 2421 | 1.98 | 34.778 | 27.82 | | | 1498.5 | 473 | | | 83 | | | | | |
| OBS | 2817 | 1.58 | 34.742 | 27.82 | | | 1503.5 | 476 | | | 97 | | | | | |
| OBS | 3264 | 1.36 | 34.737 | 27.83 | | | 1510.3 | 483 | | | 106 | | | | | |
| OBS | 3313 | 1.36 | 34.744 | 27.84 | | | 1511.2 | 484 | | | 106 | | | | | |
| OBS | 3339 | 1.36 | 34.741 | 27.83 | | | 1511.6 | 481 | | | 106 | | | | | |
| OBS | 3369 | 1.36 | 34.731 | 27.83 | | | 1512.2 | 485 | | | 105 | | | | | |
| PING | 60 | | | | | | | | | | | | | | | |
| ISL | 0 | 9.48 | 34.686 | 26.81 | 124.31 | 0.000 | 1488.1 | | | | | | | | | |
| ISL | 10 | 9.40 | 34.674 | 26.82 | 124.22 | 0.012 | 1487.9 | | | | | | | | | |
| ISL | 20 | 9.32 | 34.661 | 26.82 | 124.13 | 0.025 | 1487.8 | | | | | | | | | |
| ISL | 30 | 9.26 | 34.650 | 26.82 | 124.07 | 0.037 | 1487.7 | | | | | | | | | |
| ISL | 50 | 9.14 | 34.632 | 26.83 | 124.10 | 0.062 | 1487.6 | | | | | | | | | |
| ISL | 75 | 9.15 | 34.631 | 26.83 | 124.69 | 0.093 | 1488.0 | | | | | | | | | |
| ISL | 100 | 9.11 | 34.623 | 26.83 | 125.17 | 0.124 | 1488.3 | | | | | | | | | |
| ISL | 125 | 8.95 | 34.599 | 26.83 | 125.01 | 0.156 | 1488.1 | | | | | | | | | |
| ISL | 150 | 8.81 | 34.581 | 26.84 | 124.76 | 0.187 | 1487.9 | | | | | | | | | |
| ISL | 200 | 8.60 | 34.557 | 26.85 | 124.24 | 0.249 | 1487.9 | | | | | | | | | |
| ISL | 250 | 8.54 | 34.548 | 26.86 | 124.88 | 0.311 | 1488.5 | | | | | | | | | |
| ISL | 300 | 8.46 | 34.537 | 26.86 | 125.36 | 0.374 | 1489.0 | | | | | | | | | |
| ISL | 400 | 7.78 | 34.460 | 26.90 | 122.73 | 0.498 | 1487.9 | | | | | | | | | |
| ISL | 500 | 6.43 | 34.293 | 26.96 | 117.43 | 0.618 | 1484.1 | | | | | | | | | |
| ISL | 600 | 6.22 | 34.423 | 27.09 | 106.35 | 0.730 | 1485.1 | | | | | | | | | |
| ISL | 700 | 5.08 | 34.342 | 27.17 | 98.84 | 0.833 | 1482.0 | | | | | | | | | |
| ISL | 800 | 4.23 | 34.309 | 27.24 | 91.83 | 0.928 | 1480.1 | | | | | | | | | |
| ISL | 900 | 3.65 | 34.318 | 27.30 | 85.34 | 1.017 | 1479.3 | | | | | | | | | |
| ISL | 1000 | 3.29 | 34.359 | 27.37 | 78.88 | 1.099 | 1479.5 | | | | | | | | | |
| ISL | 1100 | 3.04 | 34.412 | 27.43 | 72.80 | 1.174 | 1480.2 | | | | | | | | | |
| ISL | 1200 | 2.89 | 34.464 | 27.49 | 67.95 | 1.245 | 1481.3 | | | | | | | | | |
| ISL | 1300 | 2.79 | 34.516 | 27.54 | 63.57 | 1.311 | 1482.6 | | | | | | | | | |
| ISL | 1400 | 2.71 | 34.566 | 27.59 | 59.51 | 1.372 | 1484.0 | | | | | | | | | |
| ISL | 1500 | 2.63 | 34.607 | 27.63 | 56.09 | 1.430 | 1485.4 | | | | | | | | | |
| ISL | 1750 | 2.47 | 34.689 | 27.71 | 49.57 | 1.562 | 1489.0 | | | | | | | | | |
| ISL | 2000 | 2.32 | 34.733 | 27.75 | 45.81 | 1.681 | 1492.7 | | | | | | | | | |
| ISL | 2250 | 2.12 | 34.758 | 27.79 | 42.56 | 1.792 | 1496.1 | | | | | | | | | |
| ISL | 2500 | 1.91 | 34.773 | 27.82 | 39.80 | 1.895 | 1499.5 | | | | | | | | | |
| ISL | 2750 | 1.64 | 34.746 | 27.82 | 39.08 | 1.993 | 1502.6 | | | | | | | | | |
| ISL | 3000 | 1.45 | 34.731 | 27.82 | 38.25 | 2.090 | 1506.1 | | | | | | | | | |
| ISL | 3250 | 1.36 | 34.736 | 27.83 | 37.42 | 2.185 | 1510.1 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 49 | 1384 | 0 | | 18 | 10 | 71 | 9.2 | 4407.0S | 10001.7E | 469 | 3603 | 8.5 | | 235 | 213 | 22 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| OBS | 1 | 9.93 | | 34.800 | | 26.83 | | | | 1489.9 | 650 | | | 4 | | |
| OBS | 50 | 9.85 | | 34.781 | | 26.83 | | | | 1490.4 | 643 | | | 4 | | |
| OBS | 99 | 9.84 | | 34.777 | | 26.82 | | | | 1491.1 | 639 | | | 4 | | |
| OBS | 149 | 9.82 | | 34.770 | | 26.82 | | | | 1491.9 | 642 | | | 4 | | |
| OBS | 198 | 9.78 | | 34.774 | | 26.83 | | | | 1492.6 | 643 | | | 4 | | |
| OBS | 297 | 9.78 | | 34.775 | | 26.83 | | | | 1494.2 | 640 | | | 4 | | |
| OBS | 395 | 9.72 | | 34.771 | | 26.84 | | | | 1495.6 | 637 | | | 4 | | |
| OBS | 493 | 9.70 | | 34.760 | | 26.84 | | | | 1497.1 | 627 | | | 4 | | |
| OBS | 591 | 9.37 | | 34.734 | | 26.87 | | | | 1497.5 | 573 | | | 6 | | |
| OBS | 791 | 7.54 | | 34.545 | | 27.01 | | | | 1493.6 | 503 | | | 12 | | |
| OBS | 988 | 5.07 | | 34.364 | | 27.19 | | | | 1486.8 | 494 | | | 24 | | |
| OBS | 1188 | 3.75 | | 34.361 | | 27.33 | | | | 1484.7 | 483 | | | 38 | | |
| OBS | 1416 | 3.09 | | 34.464 | | 27.47 | | | | 1485.9 | 434 | | | 54 | | |
| OBS | 1709 | 2.68 | | 34.573 | | 27.60 | | | | 1489.2 | 408 | | | 66 | | |
| OBS | 2004 | 2.50 | | 34.672 | | 27.69 | | | | 1493.6 | 432 | | | 71 | | |
| OBS | 2397 | 2.25 | | 34.739 | | 27.76 | | | | 1499.3 | 455 | | | 78 | | |
| OBS | 2794 | 1.89 | | 34.758 | | 27.81 | | | | 1504.7 | 477 | | | 88 | | |
| OBS | 3190 | 1.49 | | 34.744 | | 27.83 | | | | 1509.8 | 480 | | | | | |
| OBS | 3588 | 1.27 | | 34.737 | | 27.84 | | | | 1515.8 | 485 | | | | | |
| OBS | 3637 | 1.26 | | 34.724C | | 27.83C | | | | 1516.6C | 489 | | | 112 | | |
| OBS | 3662 | 1.26 | | 34.737 | | 27.84 | | | | 1517.1 | 484 | | | 108 | | |
| OBS | 3687 | 1.27 | | 34.719C | | 27.82C | | | | 1517.5C | 490 | | | 111 | | |
| PING | 29 | | | | | | | | | | | | | | | |
| ISL | 0 | 9.93 | | 34.800 | | 26.83 | 123.05 | C.000 | | 1489.9 | | | | | | |
| ISL | 10 | 9.91 | | 34.796 | | 26.83 | 123.29 | C.012 | | 1490.0 | | | | | | |
| ISL | 20 | 9.89 | | 34.791 | | 26.83 | 123.52 | C.025 | | 1490.1 | | | | | | |
| ISL | 30 | 9.88 | | 34.787 | | 26.83 | 123.75 | C.037 | | 1490.2 | | | | | | |
| ISL | 50 | 9.85 | | 34.781 | | 26.83 | 124.23 | C.062 | | 1490.4 | | | | | | |
| ISL | 75 | 9.85 | | 34.779 | | 26.83 | 124.84 | C.093 | | 1490.8 | | | | | | |
| ISL | 100 | 9.84 | | 34.777 | | 26.82 | 125.46 | C.124 | | 1491.2 | | | | | | |
| ISL | 125 | 9.83 | | 34.774 | | 26.82 | 126.09 | C.156 | | 1491.5 | | | | | | |
| ISL | 150 | 9.82 | | 34.770 | | 26.82 | 126.70 | C.187 | | 1491.9 | | | | | | |
| ISL | 200 | 9.78 | | 34.774 | | 26.83 | 126.79 | C.251 | | 1492.6 | | | | | | |
| ISL | 250 | 9.78 | | 34.776 | | 26.83 | 127.79 | C.314 | | 1493.4 | | | | | | |
| ISL | 300 | 9.78 | | 34.775 | | 26.83 | 128.83 | C.378 | | 1494.2 | | | | | | |
| ISL | 400 | 9.72 | | 34.771 | | 26.84 | 130.21 | C.508 | | 1495.6 | | | | | | |
| ISL | 500 | 9.69 | | 34.759 | | 26.84 | 132.66 | C.639 | | 1497.2 | | | | | | |
| ISL | 600 | 9.32 | | 34.726 | | 26.87 | 130.87 | C.771 | | 1497.4 | | | | | | |
| ISL | 700 | 8.56 | | 34.631 | | 26.92 | 127.32 | C.900 | | 1496.1 | | | | | | |
| ISL | 800 | 7.44 | | 34.537 | | 27.01 | 118.48 | 1.023 | | 1493.4 | | | | | | |
| ISL | 900 | 6.21 | | 34.443 | | 27.11 | 108.75 | 1.137 | | 1490.1 | | | | | | |
| ISL | 1000 | 4.96 | | 34.359 | | 27.19 | 99.18 | 1.241 | | 1486.6 | | | | | | |
| ISL | 1100 | 4.20 | | 34.342 | | 27.26 | 91.78 | 1.336 | | 1485.1 | | | | | | |
| ISL | 1200 | 3.69 | | 34.365 | | 27.33 | 84.69 | 1.424 | | 1484.6 | | | | | | |
| ISL | 1300 | 3.32 | | 34.412 | | 27.41 | 77.41 | 1.506 | | 1484.8 | | | | | | |
| ISL | 1400 | 3.12 | | 34.457 | | 27.46 | 72.41 | 1.580 | | 1485.7 | | | | | | |
| ISL | 1500 | 2.93 | | 34.498 | | 27.51 | 67.75 | 1.650 | | 1486.6 | | | | | | |
| ISL | 1750 | 2.65 | | 34.588 | | 27.61 | 59.28 | 1.809 | | 1489.8 | | | | | | |
| ISL | 2000 | 2.50 | | 34.671 | | 27.69 | 52.63 | 1.949 | | 1493.5 | | | | | | |
| ISL | 2250 | 2.35 | | 34.722 | | 27.74 | 48.20 | 2.075 | | 1497.2 | | | | | | |
| ISL | 2500 | 2.17 | | 34.748 | | 27.78 | 45.05 | 2.192 | | 1500.8 | | | | | | |
| ISL | 2750 | 1.93 | | 34.758 | | 27.80 | 42.21 | 2.301 | | 1504.1 | | | | | | |
| ISL | 3000 | 1.68 | | 34.750 | | 27.82 | 40.22 | 2.404 | | 1507.3 | | | | | | |
| ISL | 3250 | 1.44 | | 34.742 | | 27.83 | 38.09 | 2.502 | | 1510.6 | | | | | | |
| ISL | 3500 | 1.30 | | 34.738 | | 27.84 | 37.01 | 2.596 | | 1514.4 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 49 | 1385 | 0 | | 19 | 10 | 71 | 5.7 | 4226.9S | 100C1.5E | 469 | 3657 | 11.0 | | 245 | 243 | 22 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 9.97 | 34.803 | 26.82 | | | 1490.0 | 653 | | | 3 | | | | | |
| OBS | 51 | 9.92 | 34.798 | 26.83 | | | 1490.7 | 649 | | | 3 | | | | | |
| OBS | 100 | 9.92 | 34.815 | 26.84 | | | 1491.5 | 642 | | | 3 | | | | | |
| OBS | 151 | 9.84 | 34.779 | 26.83 | | | 1492.0 | 635 | | | 3 | | | | | |
| OBS | 201 | 9.71 | 34.794C | 26.86C | | | 1492.4C | 648 | | | 3 | | | | | |
| OBS | 301 | 9.73 | | | | | | 645 | | | 3 | | | | | |
| OBS | 401 | 9.75 | 34.780 | 26.84 | | | 1495.8 | 641 | | | 2 | | | | | |
| OBS | 501 | 9.72 | 34.768 | 26.84 | | | 1497.3 | 638 | | | 3 | | | | | |
| OBS | 603 | 9.68 | 34.757 | 26.84 | | | 1498.8 | 629 | | | 3 | | | | | |
| OBS | 807 | 8.36 | 34.627 | 26.95 | | | 1497.1 | 529 | | | 8 | | | | | |
| OBS | 1011 | 5.92 | 34.430 | 27.13 | | | 1490.7 | 495 | | | 19 | | | | | |
| OBS | 1215 | 4.18 | 34.374 | 27.29 | | | 1487.0 | 484 | | | 34 | | | | | |
| OBS | 1376 | 3.47 | 34.430 | 27.41 | | | 1486.7 | 442 | | | 49 | | | | | |
| OBS | 1663 | 2.87 | | | | | | 401 | | | 65 | | | | | |
| OBS | 1957 | 2.60 | 34.526 | 27.56 | | | 1493.0 | 427 | | | 78 | | | | | |
| OBS | 2256 | 2.39 | 34.710 | 27.73 | | | 1497.5 | 433 | | | 79 | | | | | |
| OBS | 2557 | 2.16 | 34.778 | 27.80 | | | 1501.8 | 455 | | | 83 | | | | | |
| OBS | 2958 | 1.76 | 34.751 | 27.81 | | | 1506.9 | 472 | | | 95 | | | | | |
| OBS | 3260 | 1.48 | | | | | | 484 | | | 104 | | | | | |
| OBS | 3563 | 1.26 | 34.723 | 27.83 | | | 1515.3 | 491 | | | 112 | | | | | |
| OBS | 3615 | 1.20 | 34.733 | 27.84 | | | 1516.0 | 485 | | | 112 | | | | | |
| OBS | 3665 | 1.17 | 34.720 | 27.83 | | | 1516.7 | 488 | | | 116 | | | | | |
| PING | 38 | | | | | | | | | | | | | | | |
| ISL | 0 | 9.97 | 34.803 | 26.82 | 123.48 | 0.000 | 1490.0 | | | | | | | | | |
| ISL | 10 | 9.96 | 34.802 | 26.82 | 123.60 | 0.012 | 1490.2 | | | | | | | | | |
| ISL | 20 | 9.95 | 34.801 | 26.82 | 123.73 | 0.025 | 1490.3 | | | | | | | | | |
| ISL | 30 | 9.94 | 34.800 | 26.83 | 123.83 | 0.037 | 1490.4 | | | | | | | | | |
| ISL | 50 | 9.92 | 34.798 | 26.83 | 124.14 | 0.062 | 1490.7 | | | | | | | | | |
| ISL | 75 | 9.92 | 34.804 | 26.83 | 124.19 | 0.093 | 1491.1 | | | | | | | | | |
| ISL | 100 | 9.92 | 34.815 | 26.84 | 123.94 | 0.124 | 1491.5 | | | | | | | | | |
| ISL | 125 | 9.89 | 34.796 | 26.83 | 125.36 | 0.155 | 1491.8 | | | | | | | | | |
| ISL | 150 | 9.84 | 34.780 | 26.83 | 126.34 | 0.187 | 1492.0 | | | | | | | | | |
| ISL | 200 | 9.71 | 34.782 | 26.85 | 125.15 | 0.249 | 1492.3 | | | | | | | | | |
| ISL | 250 | 9.72 | 34.784 | 26.85 | 126.17 | 0.312 | 1493.2 | | | | | | | | | |
| ISL | 300 | 9.73 | 34.785 | 26.85 | 127.29 | 0.376 | 1494.1 | | | | | | | | | |
| ISL | 400 | 9.75 | 34.780 | 26.84 | 130.05 | 0.504 | 1495.8 | | | | | | | | | |
| ISL | 500 | 9.72 | 34.768 | 26.84 | 132.51 | 0.636 | 1497.3 | | | | | | | | | |
| ISL | 600 | 9.69 | 34.757 | 26.84 | 134.75 | 0.769 | 1498.8 | | | | | | | | | |
| ISL | 700 | 9.23 | 34.712 | 26.87 | 132.49 | 0.903 | 1498.7 | | | | | | | | | |
| ISL | 800 | 8.43 | 34.633 | 26.94 | 126.83 | 1.033 | 1497.3 | | | | | | | | | |
| ISL | 900 | 7.22 | 34.545 | 27.05 | 116.00 | 1.154 | 1494.2 | | | | | | | | | |
| ISL | 1000 | 6.03 | 34.437 | 27.13 | 108.02 | 1.266 | 1491.0 | | | | | | | | | |
| ISL | 1100 | 5.06 | 34.388 | 27.21 | 99.40 | 1.370 | 1488.7 | | | | | | | | | |
| ISL | 1200 | 4.28 | 34.373 | 27.28 | 91.29 | 1.465 | 1487.1 | | | | | | | | | |
| ISL | 1300 | 3.74 | 34.403 | 27.36 | 83.26 | 1.552 | 1486.6 | | | | | | | | | |
| ISL | 1400 | 3.39 | 34.436 | 27.42 | 77.16 | 1.632 | 1486.8 | | | | | | | | | |
| ISL | 1500 | 3.11 | 34.460 | 27.47 | 72.67 | 1.707 | 1487.4 | | | | | | | | | |
| ISL | 1750 | 2.76 | 34.498 | 27.53 | 67.17 | 1.882 | 1490.1 | | | | | | | | | |
| ISL | 2000 | 2.57 | 34.548 | 27.59 | 62.39 | 2.044 | 1493.6 | | | | | | | | | |
| ISL | 2250 | 2.39 | 34.707 | 27.73 | 49.85 | 2.184 | 1497.4 | | | | | | | | | |
| ISL | 2500 | 2.21 | 34.774 | 27.80 | 43.75 | 2.301 | 1501.0 | | | | | | | | | |
| ISL | 2750 | 1.96 | 34.765 | 27.81 | 42.10 | 2.409 | 1504.2 | | | | | | | | | |
| ISL | 3000 | 1.72 | 34.748 | 27.81 | 40.82 | 2.512 | 1507.5 | | | | | | | | | |
| ISL | 3250 | 1.49 | 34.734 | 27.82 | 39.34 | 2.613 | 1510.8 | | | | | | | | | |
| ISL | 3500 | 1.31 | 34.720 | 27.82 | 38.44 | 2.710 | 1514.4 | | | | | | | | | |

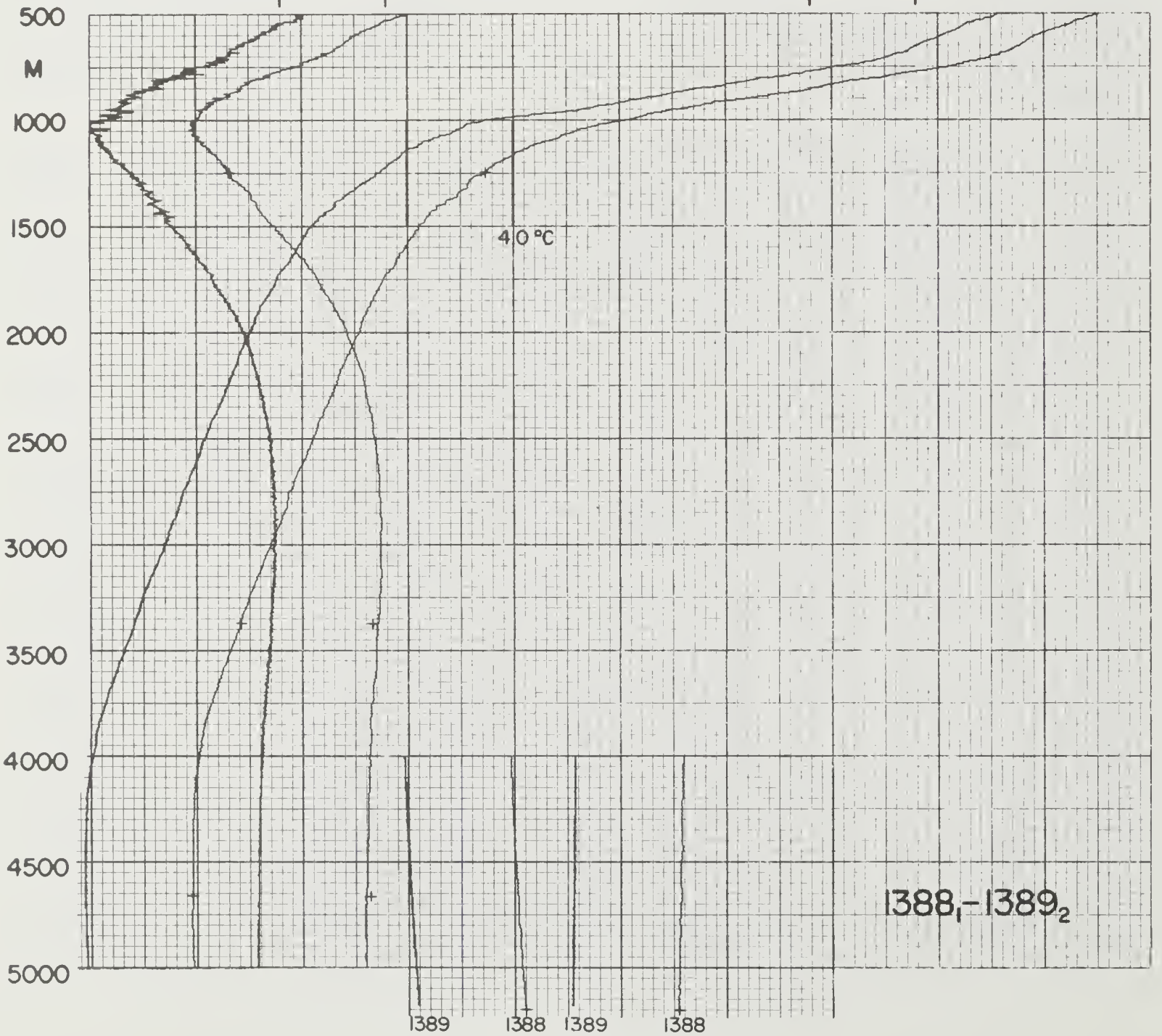
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 49 | 1386 | 0 | | 20 | 10 | 71 | 9.8 | 4038.0S | 9952.0E | 47C | 4158 | 11.9 | | 295 | 283 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² -ml/l | PHOS 10 ² -µgat/l | NITR 10-µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 10.64 | 34.920 | 26.80 | | | 1492.6 | 654 | | | 3 | | | | | |
| OBS | 52 | 10.41 | 34.903 | 26.82 | | | 1492.6 | 657 | | | 3 | | | | | |
| OBS | 104 | 10.46 | 34.921 | 26.83 | | | 1493.7 | 649 | | | 2 | | | | | |
| OBS | 155 | 10.55 | 34.937 | 26.83 | | | 1494.8 | 647 | | | 2 | | | | | |
| OBS | 206 | 10.69 | 35.014C | 26.86C | | | 1496.3C | 647 | | | 2 | | | | | |
| OBS | 304 | 10.81 | | | | | | 641 | | | 2 | | | | | |
| OBS | 400 | 10.85 | 35.022 | 26.84 | | | 1500.1 | 647 | | | 2 | | | | | |
| OBS | 497 | 9.26 | 34.743 | 26.89 | | | 1495.5 | 575 | | | 4 | | | | | |
| OBS | 594 | 8.39 | 34.627 | 26.94 | | | 1493.7 | 558 | | | 6 | | | | | |
| OBS | 789 | 6.23 | 34.440 | 27.10 | | | 1488.3 | 489 | | | 19 | | | | | |
| OBS | 986 | 4.47 | 34.375 | 27.26 | | | 1484.3 | 484 | | | 33 | | | | | |
| OBS | 1185 | 3.52 | 34.415 | 27.39 | | | 1483.7 | 460 | | | 49 | | | | | |
| OBS | 1490 | 2.91 | 34.546 | 27.55 | | | 1486.4 | 406 | | | 71 | | | | | |
| OBS | 1784 | 2.66 | 34.640 | 27.65 | | | 1490.5 | 393 | | | 83 | | | | | |
| OBS | 2080 | 2.41 | 34.704 | 27.72 | | | 1494.5 | 430 | | | 82 | | | | | |
| OBS | 2476 | 2.12 | 34.744 | 27.78 | | | 1500.1 | 461 | | | 88 | | | | | |
| OBS | 2869 | 1.66 | 34.748 | 27.82 | | | 1504.9 | 479 | | | 100 | | | | | |
| OBS | 3253 | 1.30 | 34.743 | 27.84 | | | 1510.1 | 485 | | | 113 | | | | | |
| OBS | 3646 | 1.06 | 34.722 | 27.84 | | | 1515.9 | 499 | | | 121 | | | | | |
| OBS | 3947 | 0.99 | 34.715 | 27.84 | | | 1520.9 | 497 | | | 126 | | | | | |
| OBS | 4048 | 0.97 | 34.712 | 27.84 | | | 1522.6 | 492 | | | 125 | | | | | |
| OBS | 4097 | 0.97 | 34.710 | 27.84 | | | 1523.5 | 496 | | | 125 | | | | | |
| OBS | 4147 | 0.97 | 34.723 | 27.85 | | | 1524.4 | 498 | | | 126 | | | | | |
| PING | 42 | | | | | | | | | | | | | | | |
| ISL | 0 | 10.64 | 34.920 | 26.80 | 125.94 | C.000 | 1492.6 | | | | | | | | | |
| ISL | 10 | 10.58 | 34.915 | 26.80 | 125.55 | C.013 | 1492.5 | | | | | | | | | |
| ISL | 20 | 10.53 | 34.910 | 26.81 | 125.21 | C.025 | 1492.5 | | | | | | | | | |
| ISL | 30 | 10.48 | 34.907 | 26.82 | 124.90 | C.038 | 1492.5 | | | | | | | | | |
| ISL | 50 | 10.41 | 34.903 | 26.82 | 124.54 | C.063 | 1492.6 | | | | | | | | | |
| ISL | 75 | 10.42 | 34.911 | 26.83 | 124.57 | C.094 | 1493.0 | | | | | | | | | |
| ISL | 100 | 10.45 | 34.920 | 26.83 | 125.11 | C.125 | 1493.6 | | | | | | | | | |
| ISL | 125 | 10.49 | 34.928 | 26.83 | 125.69 | C.156 | 1494.1 | | | | | | | | | |
| ISL | 150 | 10.54 | 34.935 | 26.83 | 126.50 | C.188 | 1494.7 | | | | | | | | | |
| ISL | 200 | 10.68 | 34.952 | 26.82 | 128.81 | C.252 | 1496.0 | | | | | | | | | |
| ISL | 250 | 10.77 | 34.968 | 26.81 | 130.28 | C.316 | 1497.2 | | | | | | | | | |
| ISL | 300 | 10.81 | 34.986 | 26.82 | 130.83 | C.382 | 1498.2 | | | | | | | | | |
| ISL | 400 | 10.85 | 35.022 | 26.84 | 131.26 | C.513 | 1500.0 | | | | | | | | | |
| ISL | 500 | 9.22 | 34.737 | 26.90 | 126.52 | C.642 | 1495.4 | | | | | | | | | |
| ISL | 600 | 8.33 | 34.620 | 26.95 | 122.68 | C.766 | 1493.6 | | | | | | | | | |
| ISL | 700 | 7.21 | 34.510 | 27.03 | 115.36 | C.885 | 1490.8 | | | | | | | | | |
| ISL | 800 | 6.12 | 34.433 | 27.11 | 106.93 | C.996 | 1488.0 | | | | | | | | | |
| ISL | 900 | 5.15 | 34.389 | 27.20 | 98.41 | 1.099 | 1485.7 | | | | | | | | | |
| ISL | 1000 | 4.38 | 34.375 | 27.27 | 90.63 | 1.194 | 1484.2 | | | | | | | | | |
| ISL | 1100 | 3.84 | 34.386 | 27.34 | 84.04 | 1.281 | 1483.6 | | | | | | | | | |
| ISL | 1200 | 3.47 | 34.420 | 27.40 | 77.88 | 1.362 | 1483.8 | | | | | | | | | |
| ISL | 1300 | 3.17 | 34.466 | 27.47 | 71.73 | 1.437 | 1484.3 | | | | | | | | | |
| ISL | 1400 | 3.03 | 34.511 | 27.51 | 67.37 | 1.506 | 1485.4 | | | | | | | | | |
| ISL | 1500 | 2.90 | 34.550 | 27.56 | 63.57 | 1.572 | 1486.6 | | | | | | | | | |
| ISL | 1750 | 2.69 | 34.631 | 27.64 | 56.54 | 1.722 | 1490.0 | | | | | | | | | |
| ISL | 2000 | 2.48 | 34.690 | 27.71 | 50.94 | 1.856 | 1493.4 | | | | | | | | | |
| ISL | 2250 | 2.28 | 34.727 | 27.75 | 46.94 | 1.979 | 1496.9 | | | | | | | | | |
| ISL | 2500 | 2.10 | 34.745 | 27.78 | 44.33 | 2.093 | 1500.4 | | | | | | | | | |
| ISL | 2750 | 1.79 | 34.748 | 27.81 | 40.95 | 2.199 | 1503.4 | | | | | | | | | |
| ISL | 3000 | 1.52 | 34.748 | 27.83 | 38.14 | 2.298 | 1506.6 | | | | | | | | | |
| ISL | 3250 | 1.30 | 34.743 | 27.84 | 36.05 | 2.391 | 1510.0 | | | | | | | | | |
| ISL | 3500 | 1.13 | 34.729 | 27.84 | 35.17 | 2.480 | 1513.6 | | | | | | | | | |
| ISL | 3750 | 1.03 | 34.720 | 27.84 | 34.81 | 2.567 | 1517.6 | | | | | | | | | |
| ISL | 4000 | 0.98 | 34.714 | 27.84 | 34.86 | 2.654 | 1521.8 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 49 | 1387 | 0 | | 21 | 10 | 71 | 20.8 | 3750.0S | 10003.8E | 433 | 4397 | 9.4 | | 272 | 272 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 11.08 | 34.906 | 26.71 | | | 1494.2 | 661 | | | 2 | | | | | |
| OBS | 50 | 10.73 | 34.886 | 26.75 | | | 1493.7 | 665 | | | 2 | | | | | |
| OBS | 100 | 10.69 | 34.895 | 26.77 | | | 1494.4 | 648 | | | 2 | | | | | |
| OBS | 149 | 10.68 | 34.884 | 26.76 | | | 1495.1 | 684 | | | 2 | | | | | |
| OBS | 198 | 10.69 | 34.920C | 26.79C | | | 1496.0C | 644 | | | 2 | | | | | |
| OBS | 296 | 10.60 | 34.872 | 26.77 | | | 1497.2 | 646 | | | 2 | | | | | |
| OBS | 393 | 10.23 | 34.832 | 26.80 | | | 1497.5 | 609 | | | 3 | | | | | |
| OBS | 490 | 9.96 | 34.811 | 26.83 | | | 1498.0 | 602 | | | 3 | | | | | |
| OBS | 588 | 9.64 | 34.795 | 26.87 | | | 1498.5 | | | | 3 | | | | | |
| OBS | 788 | 7.93 | 34.572 | 26.97 | | | 1495.1 | 520 | | | 9 | | | | | |
| OBS | 988 | 5.49 | 34.392 | 27.16 | | | 1488.5 | 490 | | | 22 | | | | | |
| OBS | 1189 | 3.93 | 34.409 | 27.35 | | | 1485.5 | 460 | | | 39 | | | | | |
| OBS | 1489 | 3.12 | 34.525 | 27.52 | | | 1487.2 | 380 | | | 66 | | | | | |
| OBS | 1784 | 2.77 | 34.624 | 27.63 | | | 1490.8 | 383 | | | 78 | | | | | |
| OBS | 2081 | 2.49 | 34.709 | 27.72 | | | 1494.8 | 418 | | | 86 | | | | | |
| OBS | 2477 | 2.15 | 34.772 | 27.80 | | | 1500.2 | 443 | | | 86 | | | | | |
| OBS | 2874 | 1.74 | 34.774 | 27.83 | | | 1505.3 | 466 | | | 96 | | | | | |
| OBS | 3272 | 1.35 | 34.736 | 27.83 | | | 1510.4 | 476 | | | 107 | | | | | |
| OBS | 3670 | 1.07 | 34.764C | 27.87C | | | 1516.2C | 485 | | | 117 | | | | | |
| OBS | 4073 | 0.99 | 34.712 | 27.84 | | | 1522.9 | 492 | | | 120 | | | | | |
| OBS | 4372 | 0.98 | 34.727 | 27.85 | | | 1528.2 | 490 | | | 122 | | | | | |
| OBS | 4422 | 0.99 | 34.709 | 27.83 | | | 1529.1 | 491 | | | 119 | | | | | |
| OBS | 4472 | 0.99 | 34.713 | 27.84 | | | 1530.0 | 491 | | | 122 | | | | | |
| PING | 49 | | | | | | | | | | | | | | | |
| ISL | 0 | 11.08 | 34.906 | 26.71 | 134.49 | C.000 | 1494.1 | | | | | | | | | |
| ISL | 10 | 11.00 | 34.901 | 26.72 | 133.66 | C.013 | 1494.0 | | | | | | | | | |
| ISL | 20 | 10.91 | 34.896 | 26.73 | 132.83 | C.027 | 1493.9 | | | | | | | | | |
| ISL | 30 | 10.84 | 34.892 | 26.74 | 132.13 | C.040 | 1493.8 | | | | | | | | | |
| ISL | 50 | 10.73 | 34.886 | 26.75 | 131.12 | C.066 | 1493.7 | | | | | | | | | |
| ISL | 75 | 10.70 | 34.892 | 26.76 | 130.81 | C.099 | 1494.0 | | | | | | | | | |
| ISL | 100 | 10.69 | 34.895 | 26.77 | 130.93 | C.132 | 1494.4 | | | | | | | | | |
| ISL | 125 | 10.68 | 34.889 | 26.77 | 131.76 | C.165 | 1494.8 | | | | | | | | | |
| ISL | 150 | 10.68 | 34.884 | 26.76 | 132.73 | C.198 | 1495.1 | | | | | | | | | |
| ISL | 200 | 10.69 | 34.877 | 26.75 | 134.53 | C.264 | 1496.0 | | | | | | | | | |
| ISL | 250 | 10.68 | 34.876 | 26.76 | 135.55 | 0.332 | 1496.8 | | | | | | | | | |
| ISL | 300 | 10.59 | 34.871 | 26.77 | 135.53 | 0.400 | 1497.3 | | | | | | | | | |
| ISL | 400 | 10.21 | 34.830 | 26.80 | 134.12 | 0.535 | 1497.5 | | | | | | | | | |
| ISL | 500 | 9.93 | 34.809 | 26.83 | 133.04 | 0.668 | 1498.1 | | | | | | | | | |
| ISL | 600 | 9.57 | 34.785 | 26.88 | 130.77 | 0.800 | 1498.4 | | | | | | | | | |
| ISL | 700 | 8.85 | 34.667 | 26.90 | 129.32 | 0.930 | 1497.2 | | | | | | | | | |
| ISL | 800 | 7.80 | 34.560 | 26.98 | 122.34 | 1.056 | 1494.8 | | | | | | | | | |
| ISL | 900 | 6.56 | 34.457 | 27.07 | 112.75 | 1.173 | 1491.4 | | | | | | | | | |
| ISL | 1000 | 5.37 | 34.388 | 27.17 | 102.50 | 1.281 | 1488.2 | | | | | | | | | |
| ISL | 1100 | 4.52 | 34.386 | 27.27 | 92.49 | 1.379 | 1486.4 | | | | | | | | | |
| ISL | 1200 | 3.87 | 34.412 | 27.35 | 83.33 | 1.467 | 1485.4 | | | | | | | | | |
| ISL | 1300 | 3.46 | 34.453 | 27.43 | 76.08 | 1.546 | 1485.4 | | | | | | | | | |
| ISL | 1400 | 3.29 | 34.492 | 27.48 | 71.82 | 1.620 | 1486.4 | | | | | | | | | |
| ISL | 1500 | 3.10 | 34.529 | 27.52 | 67.52 | 1.690 | 1487.3 | | | | | | | | | |
| ISL | 1750 | 2.81 | 34.613 | 27.62 | 59.27 | 1.848 | 1490.4 | | | | | | | | | |
| ISL | 2000 | 2.56 | 34.688 | 27.70 | 52.12 | 1.988 | 1493.7 | | | | | | | | | |
| ISL | 2250 | 2.34 | 34.743 | 27.76 | 46.58 | 2.111 | 1497.1 | | | | | | | | | |
| ISL | 2500 | 2.13 | 34.774 | 27.80 | 42.69 | 2.223 | 1500.5 | | | | | | | | | |
| ISL | 2750 | 1.87 | 34.779 | 27.83 | 39.76 | 2.326 | 1503.7 | | | | | | | | | |
| ISL | 3000 | 1.61 | 34.763 | 27.83 | 38.29 | 2.423 | 1506.9 | | | | | | | | | |
| ISL | 3250 | 1.37 | 34.738 | 27.83 | 37.38 | 2.518 | 1510.1 | | | | | | | | | |
| ISL | 3500 | 1.17 | 34.720 | 27.83 | 36.31 | 2.610 | 1513.6 | | | | | | | | | |
| ISL | 3750 | 1.04 | 34.711 | 27.83 | 35.55 | 2.700 | 1517.4 | | | | | | | | | |
| ISL | 4000 | 1.00 | 34.711 | 27.83 | 35.35 | 2.788 | 1521.6 | | | | | | | | | |



→ 0.20‰ ←

→ 1.0°C ←



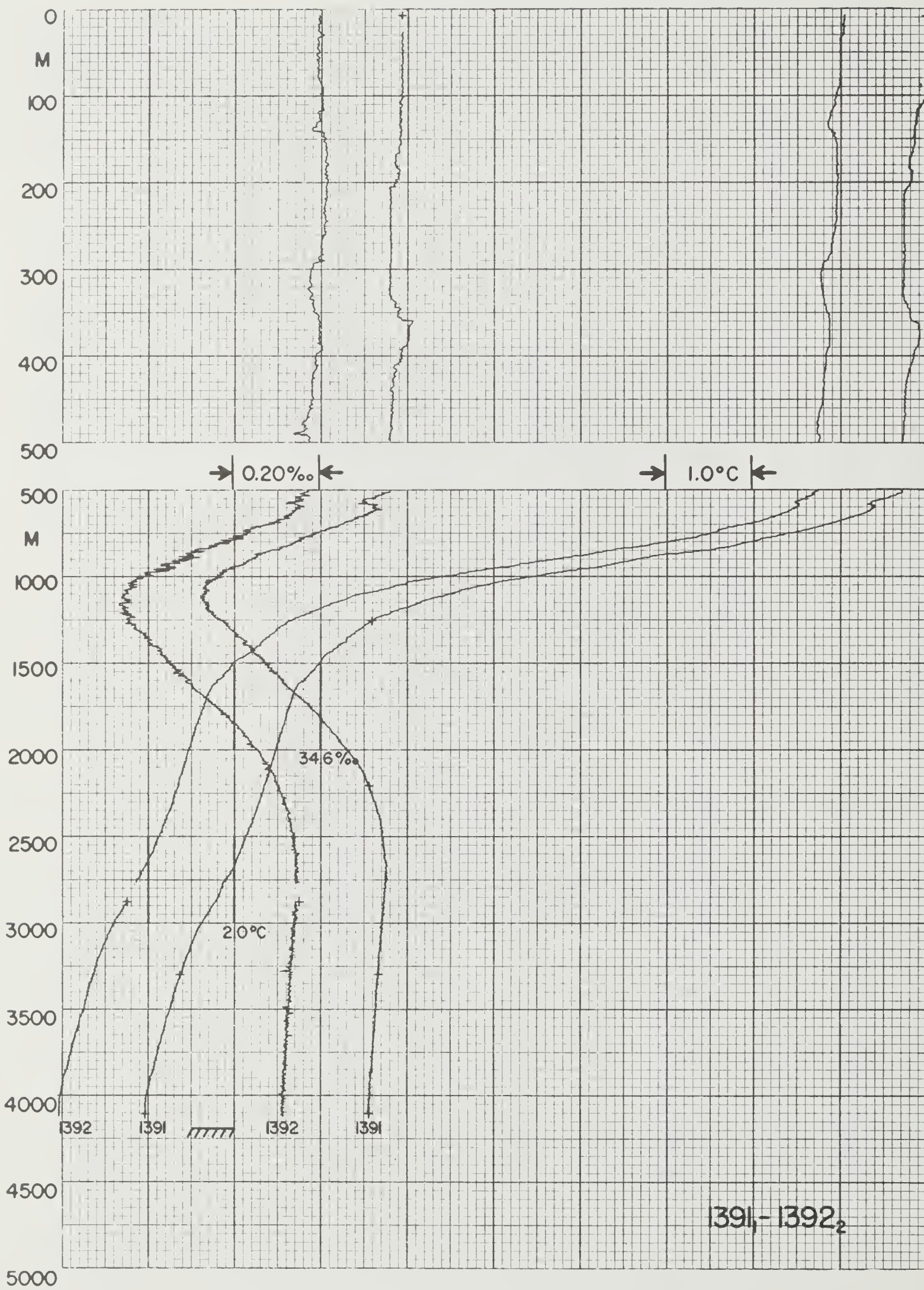
1388₁-1389₂

1389 1388 1389 1388

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS | |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|--|
| EL 50 | 1388 | 1 | 3 | 11 | 11 | 71 | 19.8 | 3553.0S | 10508.2E | 433 | 6361 | 11.9 | | 213 | 203 | | |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | | |
| CCM1 | 15 | 13.88 | 35.516 | 26.630 | | | | 600 | | | | 2 | | | | | |
| CCM1 | 1238 | 3.74 | 34.466 | 27.41 | | | | 426 | | | | 62 | | | | | |
| CCM1 | 3363 | 1.43 | 34.736 | 27.83 | | | | 487 | | | | 116 | | | | | |
| CCM1 | 4650 | 0.97 | 34.732 | 27.85 | | | | 483 | | | | 132 | | | | | |
| CCM1 | 6183 | 1.12 | 34.714 | 27.83 | | | | 497 | | | | 134 | | | | | |
| STD | 0 | 13.90 | 35.549 | 26.65 | 139.86 | 0.000 | 1504.5 | | | | | | | | | | |
| STD | 10 | 13.89 | 35.550 | 26.65 | 139.95 | 0.014 | 1504.7 | | | | | | | | | | |
| STD | 20 | 13.90 | 35.561 | 26.66 | 139.63 | 0.028 | 1504.9 | | | | | | | | | | |
| STD | 30 | 13.88 | 35.561 | 26.66 | 139.55 | 0.042 | 1505.0 | | | | | | | | | | |
| STD | 50 | 13.83 | 35.554 | 26.67 | 139.51 | 0.070 | 1505.1 | | | | | | | | | | |
| STD | 75 | 13.78 | 35.550 | 26.68 | 139.52 | 0.105 | 1505.4 | | | | | | | | | | |
| STD | 100 | 13.30 | 35.438 | 26.69 | 139.07 | 0.140 | 1504.1 | | | | | | | | | | |
| STD | 125 | 12.92 | 35.358 | 26.70 | 138.06 | 0.174 | 1503.1 | | | | | | | | | | |
| STD | 150 | 12.20 | 35.228 | 26.75 | 134.72 | 0.208 | 1500.9 | | | | | | | | | | |
| STD | 200 | 11.76 | 35.135 | 26.76 | 134.60 | 0.276 | 1500.1 | | | | | | | | | | |
| STD | 250 | 11.38 | 35.063 | 26.77 | 134.24 | 0.343 | 1499.5 | | | | | | | | | | |
| STD | 300 | 10.75 | 34.971 | 26.82 | 130.90 | 0.409 | 1498.0 | | | | | | | | | | |
| STD | 400 | 10.10 | 34.884 | 26.86 | 128.32 | 0.539 | 1497.2 | | | | | | | | | | |
| STD | 500 | 9.54 | 34.800 | 26.89 | 127.15 | 0.666 | 1496.7 | | | | | | | | | | |
| STD | 600 | 8.94 | 34.702 | 26.91 | 126.37 | 0.793 | 1495.9 | | | | | | | | | | |
| STD | 700 | 8.50 | 34.633 | 26.93 | 126.30 | 0.920 | 1495.9 | | | | | | | | | | |
| STD | 800 | 7.42 | 34.523 | 27.01 | 119.15 | 1.042 | 1493.2 | | | | | | | | | | |
| STD | 900 | 6.15 | 34.449 | 27.12 | 107.61 | 1.156 | 1489.8 | | | | | | | | | | |
| STD | 1000 | 5.04 | 34.396 | 27.21 | 97.49 | 1.258 | 1486.9 | | | | | | | | | | |
| STD | 1100 | 4.29 | 34.414 | 27.31 | 87.54 | 1.351 | 1485.5 | | | | | | | | | | |
| STD | 1200 | 3.84 | 34.450 | 27.39 | 80.16 | 1.435 | 1485.3 | | | | | | | | | | |
| STD | 1300 | 3.57 | 34.483 | 27.44 | 75.21 | 1.512 | 1485.9 | | | | | | | | | | |
| STD | 1400 | 3.28 | 34.516 | 27.50 | 70.00 | 1.585 | 1486.4 | | | | | | | | | | |
| STD | 1500 | 3.11 | 34.551 | 27.54 | 66.07 | 1.653 | 1487.4 | | | | | | | | | | |
| STD | 1750 | 2.77 | 34.634 | 27.64 | 57.36 | 1.807 | 1490.3 | | | | | | | | | | |
| STD | 2000 | 2.55 | 34.688 | 27.70 | 51.99 | 1.944 | 1493.6 | | | | | | | | | | |
| STD | 2250 | 2.32 | 34.721 | 27.74 | 47.87 | 2.069 | 1497.0 | | | | | | | | | | |
| STD | 2500 | 2.11 | 34.740 | 27.78 | 44.88 | 2.185 | 1500.4 | | | | | | | | | | |
| STD | 2750 | 1.90 | 34.748 | 27.80 | 42.43 | 2.294 | 1503.8 | | | | | | | | | | |
| STD | 3000 | 1.71 | 34.749 | 27.82 | 40.60 | 2.398 | 1507.3 | | | | | | | | | | |
| STD | 3250 | 1.51 | 34.748 | 27.83 | 38.59 | 2.497 | 1510.7 | | | | | | | | | | |
| STD | 3500 | 1.32 | 34.743 | 27.84 | 36.99 | 2.591 | 1514.3 | | | | | | | | | | |
| STD | 3750 | 1.14 | 34.732 | 27.84 | 35.55 | 2.682 | 1517.9 | | | | | | | | | | |
| STD | 4000 | 1.02 | 34.729 | 27.85 | 34.50 | 2.769 | 1521.8 | | | | | | | | | | |
| STD | 4250 | 0.98 | 34.726 | 27.85 | 34.37 | 2.855 | 1526.0 | | | | | | | | | | |
| STD | 4500 | 0.97 | 34.724 | 27.85 | 34.81 | 2.942 | 1530.4 | | | | | | | | | | |
| STD | 4750 | 0.96 | 34.720 | 27.84 | 35.30 | 3.029 | 1534.9 | | | | | | | | | | |
| STD | 5000 | 0.98 | 34.721 | 27.84 | 35.89 | 3.118 | 1539.4 | | | | | | | | | | |
| STD | 5250 | 1.00 | 34.718 | 27.84 | 36.87 | 3.209 | 1544.0 | | | | | | | | | | |
| STD | 5500 | 1.03 | 34.716 | 27.84 | 37.87 | 3.303 | 1548.7 | | | | | | | | | | |
| STD | 5750 | 1.05 | 34.715 | 27.83 | 38.79 | 3.399 | 1553.3 | | | | | | | | | | |
| STD | 6000 | 1.09 | 34.714 | 27.83 | 39.92 | 3.497 | 1558.0 | | | | | | | | | | |
| STD | 6172 | 1.11 | 34.712 | 27.83 | 40.86 | 3.566 | 1561.3 | | | | | | | | | | |



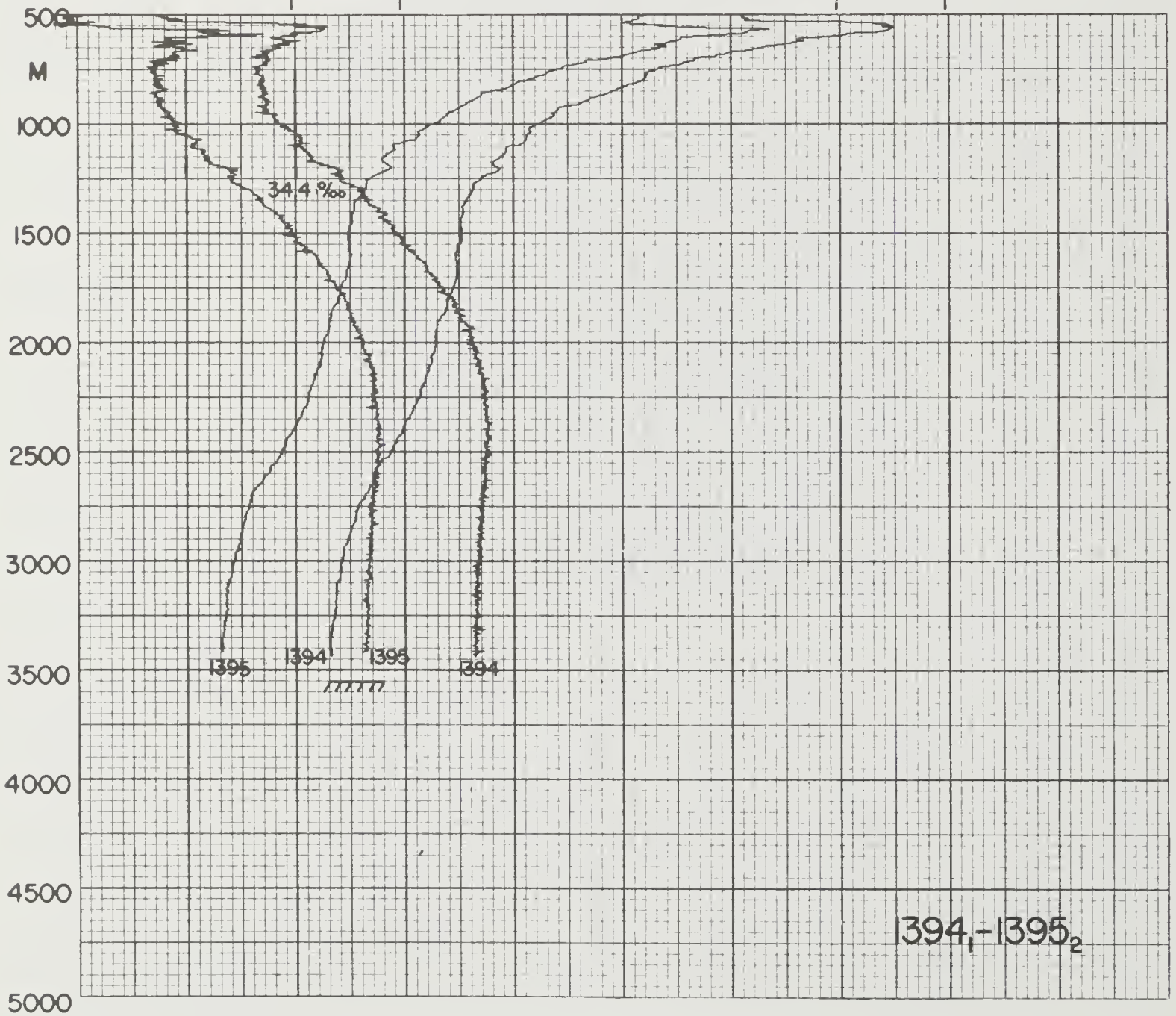
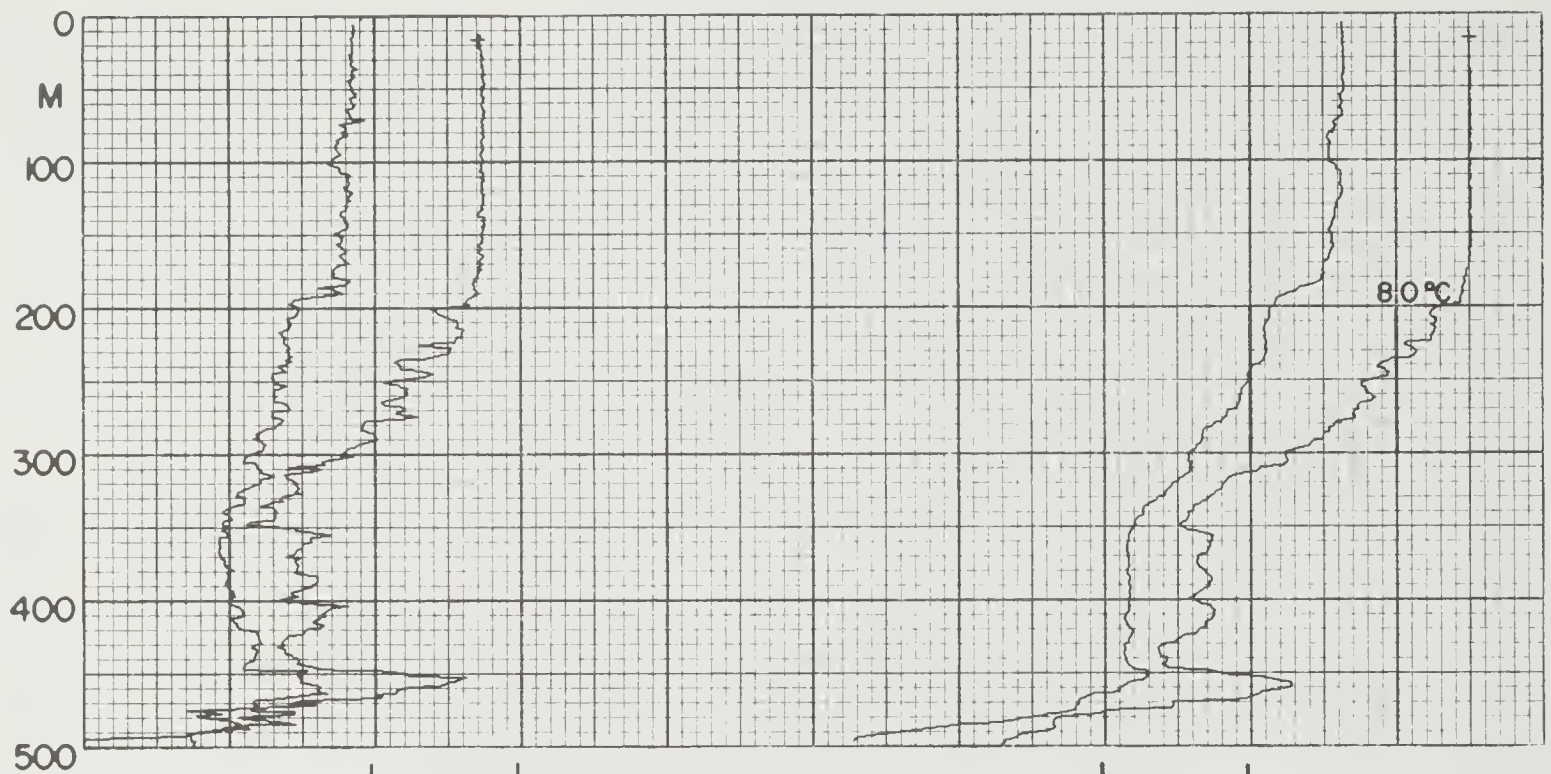
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|------------------------|----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|-----|
| EL 50 | 1390 | 0 | | 13 | 11 | 71 | 22.0 | 3953.5S | 10458.4E | 433 | 4403 | 8.1 | | 206 | 204 | 21 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² -ml/l | PHOS 10 ² -µgat/l | NITR 10-µgat/l | SILIC µgat/l | | | |
| OBS | 1 | 10.96 | 34.909 | | 26.73 | | | | 1493.7 | 623 | | | 5 | | | |
| OBS | 49 | 10.66 | 34.927 | | 26.80 | | | | 1493.5 | 641 | | | 5 | | | |
| OBS | 99 | 10.61 | 34.938 | | 26.82 | | | | 1494.1 | 628 | | | 5 | | | |
| OBS | 199 | 10.46 | 34.931 | | 26.84 | | | | 1495.2 | 614 | | | 5 | | | |
| OBS | 299 | 10.26 | 34.881 | | 26.83 | | | | 1496.1 | 621 | | | 5 | | | |
| OBS | 498 | 9.73 | 34.787 | | 26.85 | | | | 1497.3 | 607 | | | 5 | | | |
| OBS | 697 | 8.76 | 34.679 | | 26.93 | | | | 1496.8 | 555 | | | 7 | | | |
| OBS | 899 | 6.54 | 34.490 | | 27.10 | | | | 1491.4 | 491 | | | 21 | | | |
| OBS | 1000 | 5.24 | 34.424 | | 27.21 | | | | 1487.7 | 481 | | | 27 | | | |
| OBS | 1102 | 4.27 | 34.356 | | 27.27 | | | | 1485.3 | 493 | | | 37 | | | |
| OBS | 1204 | 3.70 | 34.384 | | 27.35 | | | | 1484.7 | 454 | | | 58 | | | |
| OBS | 1306 | 3.34 | 34.429 | | 27.42 | | | | 1484.9 | | | | 60 | | | |
| OBS | 1390 | 3.20 | 34.459 | | 27.46 | | | | 1485.8 | 423 | | | 65 | | | |
| OBS | 1678 | 2.73 | 34.592 | | 27.61 | | | | 1488.8 | 392 | | | 83 | | | |
| OBS | 1973 | 2.50 | 34.686 | | 27.70 | | | | 1492.9 | 404 | | | 89 | | | |
| OBS | 2263 | 2.31 | 34.744 | | 27.76 | | | | 1497.1 | 420 | | | 94 | | | |
| OBS | 2553 | 2.06 | 34.763 | | 27.80 | | | | 1501.0 | 445 | | | 100 | | | |
| OBS | 2843 | 1.80 | 34.763 | | 27.82 | | | | 1504.9 | 439 | | | 106 | | | |
| OBS | 3129 | 1.50 | 34.753 | | 27.83 | | | | 1508.5 | 446 | | | 115 | | | |
| OBS | 3414 | 1.25 | 34.741 | | 27.84 | | | | 1512.4 | 469 | | | 126 | | | |
| OBS | 3712 | 1.05 | 34.729 | | 27.85 | | | | 1516.7 | 481 | | | 133 | | | |
| ISL | 0 | 10.96 | 34.909 | | 26.73 | | 132.20 | 0.000 | 1493.7 | | | | | | | |
| ISL | 10 | 10.89 | 34.913 | | 26.75 | | 130.98 | 0.013 | 1493.6 | | | | | | | |
| ISL | 20 | 10.82 | 34.917 | | 26.76 | | 129.71 | 0.026 | 1493.6 | | | | | | | |
| ISL | 30 | 10.76 | 34.921 | | 26.78 | | 128.60 | 0.039 | 1493.5 | | | | | | | |
| ISL | 50 | 10.66 | 34.927 | | 26.80 | | 126.84 | 0.065 | 1493.5 | | | | | | | |
| ISL | 75 | 10.63 | 34.934 | | 26.81 | | 126.53 | 0.096 | 1493.8 | | | | | | | |
| ISL | 100 | 10.61 | 34.938 | | 26.82 | | 126.35 | 0.128 | 1494.1 | | | | | | | |
| ISL | 125 | 10.58 | 34.940 | | 26.82 | | 126.23 | 0.160 | 1494.4 | | | | | | | |
| ISL | 150 | 10.54 | 34.940 | | 26.83 | | 126.23 | 0.191 | 1494.7 | | | | | | | |
| ISL | 200 | 10.46 | 34.931 | | 26.84 | | 126.62 | 0.254 | 1495.2 | | | | | | | |
| ISL | 250 | 10.36 | 34.906 | | 26.83 | | 127.95 | 0.318 | 1495.7 | | | | | | | |
| ISL | 300 | 10.26 | 34.880 | | 26.83 | | 129.12 | 0.382 | 1496.1 | | | | | | | |
| ISL | 400 | 10.03 | 34.833 | | 26.84 | | 130.94 | 0.512 | 1496.8 | | | | | | | |
| ISL | 500 | 9.72 | 34.786 | | 26.85 | | 131.24 | 0.643 | 1497.3 | | | | | | | |
| ISL | 600 | 9.37 | 34.736 | | 26.87 | | 130.99 | 0.774 | 1497.6 | | | | | | | |
| ISL | 700 | 8.74 | 34.677 | | 26.93 | | 126.81 | 0.903 | 1496.8 | | | | | | | |
| ISL | 800 | 7.74 | 34.580 | | 27.00 | | 119.86 | 1.027 | 1494.5 | | | | | | | |
| ISL | 900 | 6.53 | 34.489 | | 27.10 | | 109.93 | 1.142 | 1491.3 | | | | | | | |
| ISL | 1000 | 5.24 | 34.424 | | 27.21 | | 98.11 | 1.246 | 1487.7 | | | | | | | |
| ISL | 1100 | 4.29 | 34.357 | | 27.27 | | 91.66 | 1.340 | 1485.3 | | | | | | | |
| ISL | 1200 | 3.72 | 34.383 | | 27.35 | | 83.64 | 1.428 | 1484.7 | | | | | | | |
| ISL | 1300 | 3.36 | 34.427 | | 27.42 | | 76.75 | 1.508 | 1484.9 | | | | | | | |
| ISL | 1400 | 3.18 | 34.463 | | 27.46 | | 72.67 | 1.583 | 1485.9 | | | | | | | |
| ISL | 1500 | 3.02 | 34.507 | | 27.51 | | 68.12 | 1.653 | 1486.9 | | | | | | | |
| ISL | 1750 | 2.66 | 34.619 | | 27.63 | | 57.04 | 1.810 | 1489.7 | | | | | | | |
| ISL | 2000 | 2.48 | 34.693 | | 27.71 | | 50.74 | 1.945 | 1493.3 | | | | | | | |
| ISL | 2250 | 2.32 | 34.742 | | 27.76 | | 46.36 | 2.066 | 1496.9 | | | | | | | |
| ISL | 2500 | 2.11 | 34.761 | | 27.79 | | 43.28 | 2.178 | 1500.3 | | | | | | | |
| ISL | 2750 | 1.89 | 34.765 | | 27.81 | | 41.08 | 2.283 | 1503.7 | | | | | | | |
| ISL | 3000 | 1.63 | 34.758 | | 27.83 | | 38.96 | 2.383 | 1506.9 | | | | | | | |
| ISL | 3250 | 1.39 | 34.748 | | 27.84 | | 36.91 | 2.478 | 1510.1 | | | | | | | |
| ISL | 3500 | 1.19 | 34.738 | | 27.84 | | 35.33 | 2.569 | 1513.6 | | | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|--------------------------------------|------------------------|---------------------|-----|-----|
| EL 50 | 1391 | 1 | 1 | 15 | 11 | 71 | 2.3 | 4159.4S | 10456.6E | 469 | 4191 | 8.3 | | 194 | 194 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² -ml/l | PHOS 10 ² - μ gatl | NITR 10- μ gatl | SILIC μ gatl | | |
| CCM1 | 8 | 10.00 | | 34.789 | | 26.81 | | | | | 639 | | | 5 | | |
| CCM | 1248 | 3.61 | | | | | | | | | | | | | | |
| CCM1 | 2206 | | | 34.717 | | | | | | | 432 | | | 86 | | |
| CCM1 | 3296 | 1.39 | | 34.738 | | 27.83 | | | | | 478 | | | 114 | | |
| CCM1 | 4098 | 0.99 | | 34.717 | | 27.84 | | | | | 489 | | | 129 | | |
| STD | 0 | 10.01 | | 34.789 | | 26.81 | | 125.06 | 0.000 | 1490.1 | | | | | | |
| STD | 10 | 10.01 | | 34.789 | | 26.81 | | 125.28 | 0.013 | 1490.3 | | | | | | |
| STD | 20 | 10.01 | | 34.789 | | 26.81 | | 125.49 | 0.025 | 1490.5 | | | | | | |
| STD | 30 | 10.01 | | 34.789 | | 26.81 | | 125.75 | 0.038 | 1490.6 | | | | | | |
| STD | 50 | 10.02 | | 34.790 | | 26.80 | | 126.33 | 0.063 | 1491.0 | | | | | | |
| STD | 75 | 10.01 | | 34.789 | | 26.80 | | 126.83 | 0.094 | 1491.4 | | | | | | |
| STD | 100 | 9.99 | | 34.786 | | 26.81 | | 127.28 | 0.126 | 1491.7 | | | | | | |
| STD | 125 | 9.89 | | 34.785 | | 26.82 | | 126.25 | 0.158 | 1491.8 | | | | | | |
| STD | 150 | 9.87 | | 34.785 | | 26.83 | | 126.35 | 0.190 | 1492.1 | | | | | | |
| STD | 200 | 9.82 | | 34.777 | | 26.83 | | 127.32 | 0.253 | 1492.7 | | | | | | |
| STD | 250 | 9.75 | | 34.763 | | 26.83 | | 128.15 | 0.317 | 1493.3 | | | | | | |
| STD | 300 | 9.75 | | 34.764 | | 26.83 | | 129.20 | 0.381 | 1494.1 | | | | | | |
| STD | 400 | 9.86 | | 34.789 | | 26.83 | | 131.25 | 0.511 | 1496.2 | | | | | | |
| STD | 500 | 9.73 | | 34.763 | | 26.83 | | 133.13 | 0.644 | 1497.3 | | | | | | |
| STD | 600 | 9.40 | | 34.729 | | 26.86 | | 131.93 | 0.776 | 1497.7 | | | | | | |
| STD | 700 | 8.82 | | 34.649 | | 26.89 | | 130.32 | 0.907 | 1497.1 | | | | | | |
| STD | 800 | 7.94 | | 34.543 | | 26.95 | | 125.62 | 1.035 | 1495.3 | | | | | | |
| STD | 900 | 6.64 | | 34.443 | | 27.05 | | 114.97 | 1.155 | 1491.7 | | | | | | |
| STD | 1000 | 5.44 | | 34.369 | | 27.15 | | 104.77 | 1.265 | 1488.5 | | | | | | |
| STD | 1100 | 4.47 | | 34.337 | | 27.23 | | 95.55 | 1.365 | 1486.1 | | | | | | |
| STD | 1200 | 3.84 | | 34.347 | | 27.31 | | 87.70 | 1.457 | 1485.2 | | | | | | |
| STD | 1300 | 3.47 | | 34.394 | | 27.38 | | 80.48 | 1.541 | 1485.3 | | | | | | |
| STD | 1400 | 3.22 | | 34.439 | | 27.44 | | 74.88 | 1.619 | 1486.0 | | | | | | |
| STD | 1500 | 3.00 | | 34.484 | | 27.50 | | 69.61 | 1.691 | 1486.8 | | | | | | |
| STD | 1750 | 2.65 | | 34.582 | | 27.60 | | 59.60 | 1.853 | 1489.7 | | | | | | |
| STD | 2000 | 2.49 | | 34.667 | | 27.69 | | 52.80 | 1.993 | 1493.4 | | | | | | |
| STD | 2250 | 2.33 | | 34.723 | | 27.74 | | 47.95 | 2.119 | 1497.0 | | | | | | |
| STD | 2500 | 2.15 | | 34.748 | | 27.78 | | 44.82 | 2.235 | 1500.6 | | | | | | |
| STD | 2750 | 1.93 | | 34.756 | | 27.80 | | 42.19 | 2.344 | 1503.9 | | | | | | |
| STD | 3000 | 1.64 | | 34.747 | | 27.82 | | 39.78 | 2.446 | 1507.0 | | | | | | |
| STD | 3250 | 1.43 | | 34.738 | | 27.83 | | 38.19 | 2.544 | 1510.4 | | | | | | |
| STD | 3500 | 1.27 | | 34.731 | | 27.83 | | 37.06 | 2.638 | 1514.1 | | | | | | |
| STD | 3750 | 1.13 | | 34.724 | | 27.84 | | 35.89 | 2.729 | 1517.8 | | | | | | |
| STD | 4000 | 1.00 | | 34.719 | | 27.84 | | 34.86 | 2.817 | 1521.7 | | | | | | |
| STD | 4114 | 0.99 | | 34.716 | | 27.84 | | 35.19 | 2.857 | 1523.7 | | | | | | |
| CCM2 | 2869 | 1.78 | | 34.755 | | 27.81 | | | | | 476 | | | 100 | | |



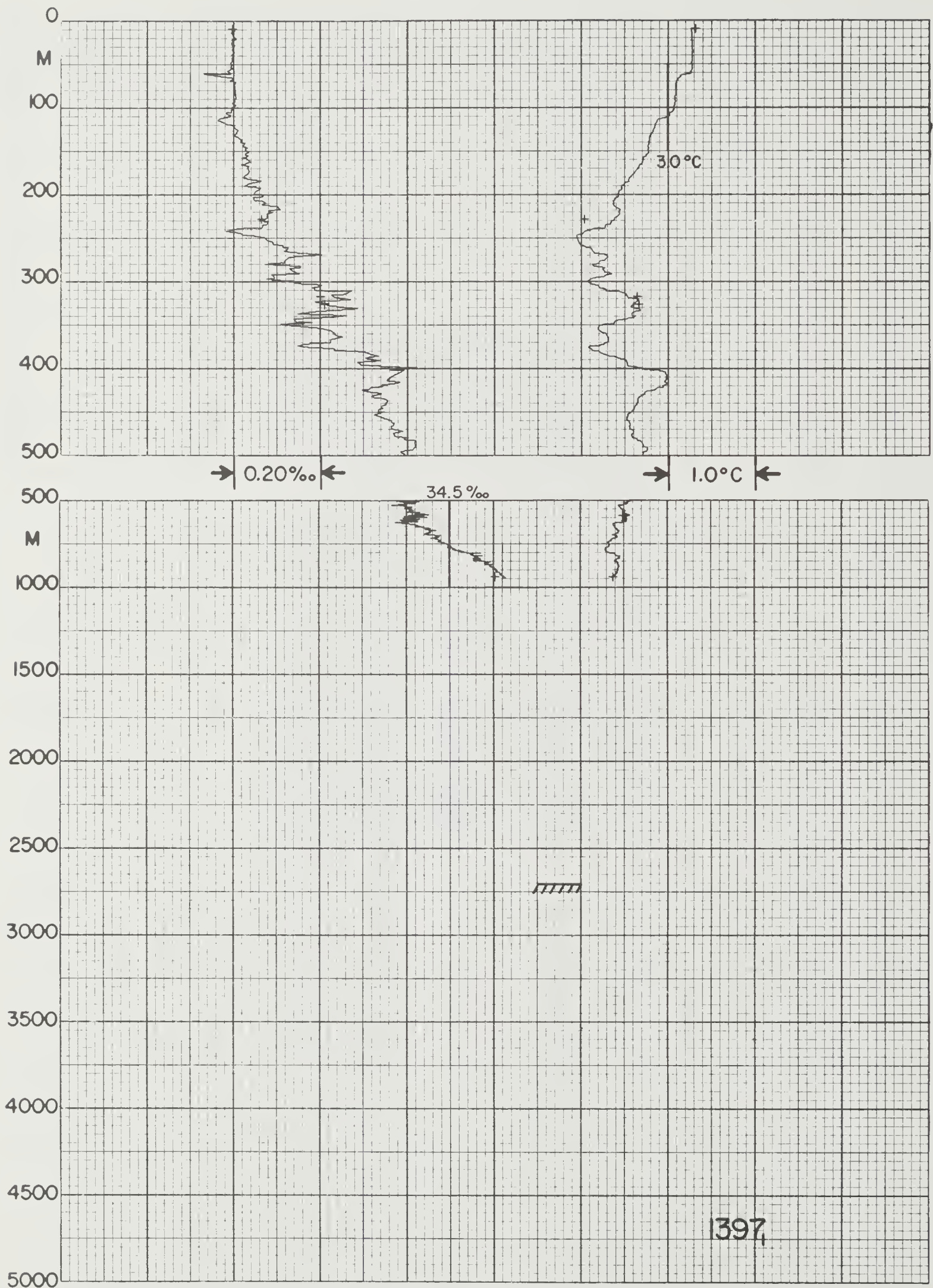
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1393 | 0 | | 16 | 11 | 71 | 4.1 | 4359.4S | 10500.6E | 469 | 3841 | 10.0 | | 275 | 274 | 23 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² -ml/l | PHOS 10 ² -µgat/l | NITR 10-µgat/l | SILIC µgat/l | | |
| OBS | 1 | 9.68 | | 34.753 | | 26.83 | | | | 1488.9 | 658 | | | | | 5 |
| OBS | 51 | 9.71 | | 34.749 | | 26.82 | | | | 1489.8 | 650 | | | | | 5 |
| OBS | 102 | 9.65 | | 34.747 | | 26.83 | | | | 1490.5 | 575 | | | | | 5 |
| OBS | 205 | 9.63 | | 34.749 | | 26.84 | | | | 1492.1 | 582 | | | | | 5 |
| OBS | 306 | 9.56 | | 34.735 | | 26.84 | | | | 1493.5 | 606 | | | | | 5 |
| OBS | 509 | 8.50 | | 34.567 | | 26.88 | | | | 1492.6 | 594 | | | | | 7 |
| OBS | 714 | 7.24 | | 34.501 | | 27.01 | | | | 1491.1 | 499 | | | | | 16 |
| OBS | 920 | 4.95 | | 34.348 | | 27.19 | | | | 1485.1 | 505 | | | | | 27 |
| OBS | 1025 | 4.11 | | 34.325 | | 27.26 | | | | 1483.4 | 500 | | | | | 35 |
| OBS | 1128 | 3.78 | | 34.360 | | 27.32 | | | | 1483.7 | 480 | | | | | 45 |
| OBS | 1233 | 3.35 | | 34.382 | | 27.38 | | | | 1483.7 | 440 | | | | | 51 |
| OBS | 1336 | 3.13 | | 34.432 | | 27.44 | | | | 1484.6 | 440 | | | | | 60 |
| OBS | 1498 | 2.83 | | 34.507 | | 27.53 | | | | 1486.1 | 427 | | | | | 69 |
| OBS | 1701 | 2.58 | | 34.588 | | 27.62 | | | | 1488.6 | 421 | | | | | 75 |
| OBS | 1905 | 2.50 | | 34.665 | | 27.68 | | | | 1491.8 | 390 | | | | | 79 |
| OBS | 2210 | 2.32 | | 34.739 | | 27.76 | | | | 1496.3 | 438 | | | | | 83 |
| OBS | 2514 | 2.08 | | 34.759 | | 27.79 | | | | 1500.5 | 450 | | | | | 90 |
| OBS | 2821 | 1.77 | | 34.756 | | 27.82 | | | | 1504.4 | 433 | | | | | 102 |
| OBS | 3126 | 1.47 | | 34.743 | | 27.83 | | | | 1508.4 | 455 | | | | | 114 |
| OBS | 3432 | 1.35 | | 34.737 | | 27.83 | | | | 1513.2 | 468 | | | | | 118 |
| OBS | 3636 | 1.32 | | 34.733 | | 27.83 | | | | 1516.7 | 462 | | | | | 120 |
| OBS | 3737 | 1.30 | | 34.728 | | 27.83 | | | | 1518.3 | 472 | | | | | 120 |
| OBS | 3838 | 1.29 | | 34.732 | | 27.83 | | | | 1520.1 | 460 | | | | | 121 |
| ISL | 0 | 9.68 | | 34.753 | | 26.83 | 122.52 | 0.000 | | 1488.9 | | | | | | |
| ISL | 10 | 9.69 | | 34.752 | | 26.83 | 122.94 | 0.012 | | 1489.1 | | | | | | |
| ISL | 20 | 9.70 | | 34.751 | | 26.83 | 123.33 | 0.025 | | 1489.3 | | | | | | |
| ISL | 30 | 9.70 | | 34.750 | | 26.83 | 123.69 | 0.037 | | 1489.5 | | | | | | |
| ISL | 50 | 9.71 | | 34.749 | | 26.82 | 124.36 | 0.062 | | 1489.8 | | | | | | |
| ISL | 75 | 9.68 | | 34.748 | | 26.83 | 124.44 | 0.093 | | 1490.1 | | | | | | |
| ISL | 100 | 9.65 | | 34.747 | | 26.83 | 124.61 | 0.124 | | 1490.4 | | | | | | |
| ISL | 125 | 9.64 | | 34.747 | | 26.83 | 124.98 | 0.155 | | 1490.8 | | | | | | |
| ISL | 150 | 9.64 | | 34.747 | | 26.83 | 125.54 | 0.186 | | 1491.2 | | | | | | |
| ISL | 200 | 9.63 | | 34.749 | | 26.84 | 126.22 | 0.249 | | 1492.0 | | | | | | |
| ISL | 250 | 9.61 | | 34.747 | | 26.84 | 127.09 | 0.313 | | 1492.7 | | | | | | |
| ISL | 300 | 9.57 | | 34.737 | | 26.84 | 128.21 | 0.377 | | 1493.4 | | | | | | |
| ISL | 400 | 9.13 | | 34.655 | | 26.85 | 129.06 | 0.505 | | 1493.3 | | | | | | |
| ISL | 500 | 8.55 | | 34.572 | | 26.87 | 127.86 | 0.634 | | 1492.7 | | | | | | |
| ISL | 600 | 7.99 | | 34.537 | | 26.93 | 123.48 | 0.759 | | 1492.1 | | | | | | |
| ISL | 700 | 7.35 | | 34.508 | | 27.00 | 117.67 | 0.880 | | 1491.3 | | | | | | |
| ISL | 800 | 6.27 | | 34.443 | | 27.10 | 108.31 | 0.993 | | 1488.6 | | | | | | |
| ISL | 900 | 5.14 | | 34.358 | | 27.17 | 100.56 | 1.097 | | 1485.6 | | | | | | |
| ISL | 1000 | 4.27 | | 34.326 | | 27.24 | 92.92 | 1.194 | | 1483.6 | | | | | | |
| ISL | 1100 | 3.88 | | 34.351 | | 27.31 | 87.05 | 1.284 | | 1483.7 | | | | | | |
| ISL | 1200 | 3.49 | | 34.375 | | 27.36 | 81.40 | 1.368 | | 1483.7 | | | | | | |
| ISL | 1300 | 3.20 | | 34.415 | | 27.42 | 75.81 | 1.447 | | 1484.2 | | | | | | |
| ISL | 1400 | 3.00 | | 34.462 | | 27.48 | 70.56 | 1.520 | | 1485.1 | | | | | | |
| ISL | 1500 | 2.83 | | 34.508 | | 27.53 | 65.76 | 1.588 | | 1486.1 | | | | | | |
| ISL | 1750 | 2.56 | | 34.607 | | 27.63 | 56.74 | 1.741 | | 1489.3 | | | | | | |
| ISL | 2000 | 2.45 | | 34.694 | | 27.71 | 50.34 | 1.875 | | 1493.2 | | | | | | |
| ISL | 2250 | 2.29 | | 34.744 | | 27.76 | 45.85 | 1.995 | | 1496.9 | | | | | | |
| ISL | 2500 | 2.09 | | 34.759 | | 27.79 | 43.30 | 2.107 | | 1500.3 | | | | | | |
| ISL | 2750 | 1.84 | | 34.758 | | 27.81 | 40.95 | 2.212 | | 1503.5 | | | | | | |
| ISL | 3000 | 1.59 | | 34.748 | | 27.82 | 39.09 | 2.312 | | 1506.7 | | | | | | |
| ISL | 3250 | 1.40 | | 34.741 | | 27.83 | 37.65 | 2.408 | | 1510.3 | | | | | | |
| ISL | 3500 | 1.34 | | 34.736 | | 27.83 | 37.73 | 2.502 | | 1514.4 | | | | | | |
| ISL | 3750 | 1.30 | | 34.728 | | 27.83 | 38.23 | 2.597 | | 1518.6 | | | | | | |



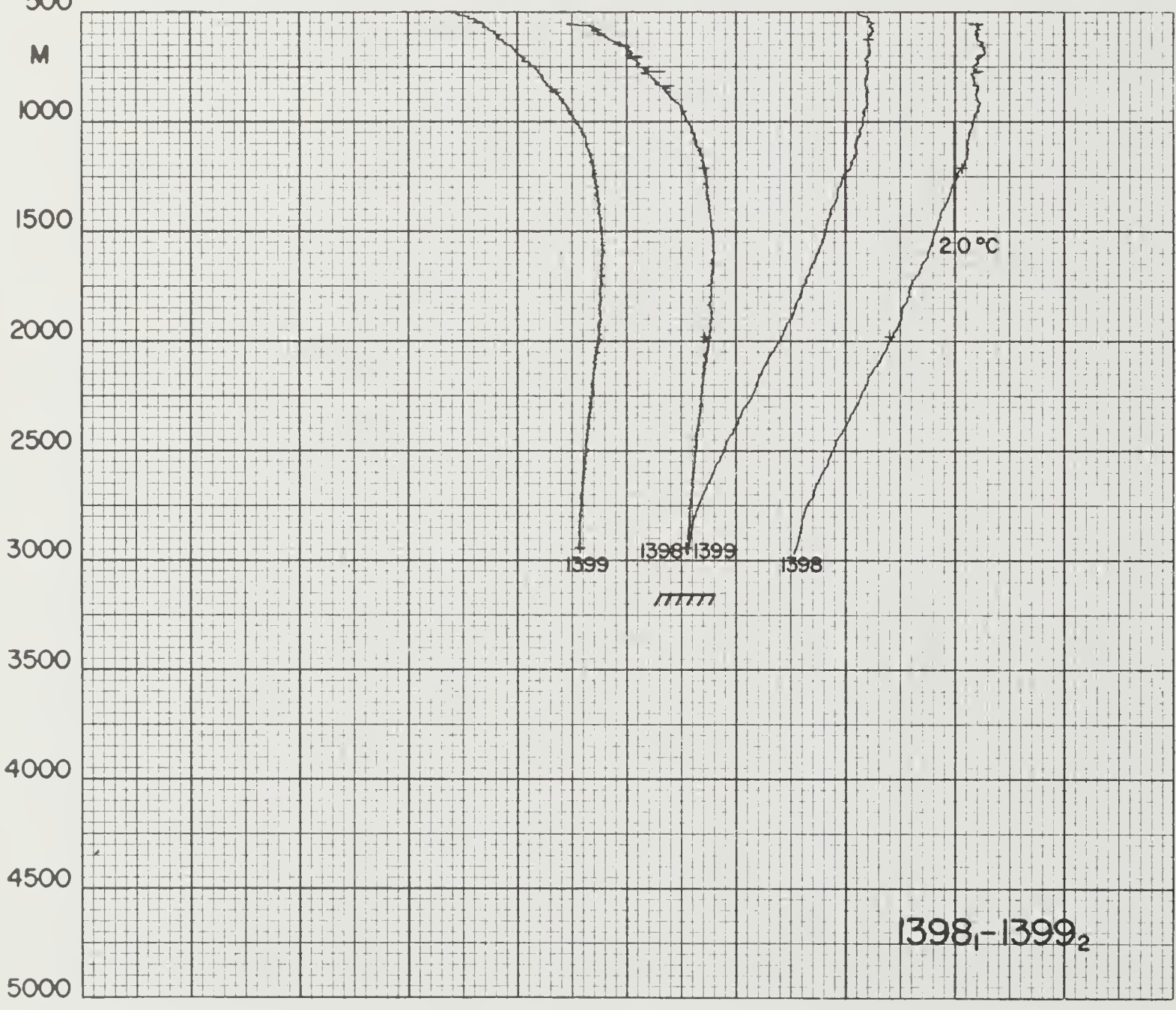
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1394 | 1 | 1 | 17 | 11 | 71 | 10.7 | 4607.8S | 10501.7E | 469 | 3555 | 6.0 | | 287 | 264 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| COM1 | 17 | 8.49 | | 34.540 | | 26.86 | | | | | 663 | | | | | |
| STD | 0 | 8.49 | | 34.544 | | 26.86 | | 119.75 | 0.000 | 1484.2 | | | | | | |
| STD | 10 | 8.49 | | 34.544 | | 26.86 | | 119.94 | 0.012 | 1484.3 | | | | | | |
| STD | 20 | 8.49 | | 34.545 | | 26.86 | | 120.08 | 0.024 | 1484.5 | | | | | | |
| STD | 30 | 8.49 | | 34.547 | | 26.86 | | 120.09 | 0.036 | 1484.7 | | | | | | |
| STD | 50 | 8.50 | | 34.548 | | 26.86 | | 120.52 | 0.060 | 1485.1 | | | | | | |
| STD | 75 | 8.49 | | 34.547 | | 26.86 | | 121.03 | 0.090 | 1485.5 | | | | | | |
| STD | 100 | 8.49 | | 34.548 | | 26.86 | | 121.40 | 0.121 | 1485.9 | | | | | | |
| STD | 125 | 8.50 | | 34.549 | | 26.86 | | 121.88 | 0.151 | 1486.3 | | | | | | |
| STD | 150 | 8.50 | | 34.546 | | 26.86 | | 122.61 | 0.182 | 1486.7 | | | | | | |
| STD | 200 | 8.33 | | 34.512 | | 26.86 | | 123.51 | 0.243 | 1486.8 | | | | | | |
| STD | 250 | 7.84 | | 34.432 | | 26.87 | | 123.02 | 0.305 | 1485.7 | | | | | | |
| STD | 300 | 7.23 | | 34.356 | | 26.90 | | 120.82 | 0.366 | 1484.0 | | | | | | |
| STD | 400 | 6.58 | | 34.276 | | 26.93 | | 119.38 | 0.486 | 1483.0 | | | | | | |
| STD | 500 | 5.28 | | 34.149 | | 26.99 | | 113.33 | 0.602 | 1479.3 | | | | | | |
| STD | 600 | 6.06 | | 34.401 | | 27.09 | | 105.79 | 0.712 | 1484.4 | | | | | | |
| STD | 700 | 4.85 | | 34.352 | | 27.20 | | 95.18 | 0.812 | 1481.1 | | | | | | |
| STD | 800 | 4.21 | | 34.343 | | 27.26 | | 89.06 | 0.904 | 1480.1 | | | | | | |
| STD | 900 | 3.68 | | 34.348 | | 27.32 | | 83.36 | 0.990 | 1479.5 | | | | | | |
| STD | 1000 | 3.27 | | 34.370 | | 27.38 | | 77.76 | 1.071 | 1479.4 | | | | | | |
| STD | 1100 | 3.06 | | 34.402 | | 27.42 | | 73.81 | 1.147 | 1480.3 | | | | | | |
| STD | 1200 | 2.84 | | 34.464 | | 27.49 | | 67.39 | 1.217 | 1481.1 | | | | | | |
| STD | 1300 | 2.64 | | 34.519 | | 27.56 | | 61.62 | 1.282 | 1482.0 | | | | | | |
| STD | 1400 | 2.55 | | 34.556 | | 27.59 | | 58.44 | 1.342 | 1483.3 | | | | | | |
| STD | 1500 | 2.53 | | 34.586 | | 27.62 | | 56.58 | 1.399 | 1485.0 | | | | | | |
| STD | 1750 | 2.46 | | 34.670 | | 27.69 | | 50.87 | 1.534 | 1489.0 | | | | | | |
| STD | 2000 | 2.30 | | 34.727 | | 27.75 | | 46.00 | 1.655 | 1492.6 | | | | | | |
| STD | 2250 | 2.16 | | 34.747 | | 27.78 | | 43.89 | 1.767 | 1496.3 | | | | | | |
| STD | 2500 | 1.90 | | 34.755 | | 27.80 | | 41.07 | 1.873 | 1499.5 | | | | | | |
| STD | 2750 | 1.59 | | 34.746 | | 27.82 | | 38.41 | 1.973 | 1502.5 | | | | | | |
| STD | 3000 | 1.44 | | 34.739 | | 27.83 | | 37.62 | 2.068 | 1506.1 | | | | | | |
| STD | 3250 | 1.37 | | 34.735 | | 27.83 | | 37.59 | 2.162 | 1510.2 | | | | | | |
| STD | 3450 | 1.34 | | 34.732 | | 27.83 | | 37.92 | 2.237 | 1513.5 | | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 50 | 1396 | 0 | | 18 | 11 | 71 | 6.0 | 4801.0S | 10509.6E | 469 | 3180 | 5.5 | | 246 | 254 | 19 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 4.50 | 34.085 | 27.03 | | | 1467.7 | 741 | | | 10 | | | | | |
| OBS | 47 | 4.31 | 34.069 | 27.04 | | | 1467.7 | 712 | | | 11 | | | | | |
| OBS | 142 | 4.08 | 34.056 | 27.05 | | | 1468.3 | 774 | | | 10 | | | | | |
| OBS | 238 | 3.53 | 34.046 | 27.10 | | | 1467.5 | 719 | | | 14 | | | | | |
| OBS | 429 | 3.89 | 34.289 | 27.25 | | | 1472.5 | 538 | | | 32 | | | | | |
| OBS | 589 | 3.21 | 34.329 | 27.35 | | | 1472.3 | 527 | | | 44 | | | | | |
| OBS | 715 | 2.78 | 34.372 | 27.43 | | | 1472.6 | 493 | | | 53 | | | | | |
| OBS | 813 | 2.71 | 34.422 | 27.47 | | | 1474.0 | 451 | | | 61 | | | | | |
| OBS | 912 | 2.60 | 34.467 | 27.52 | | | 1475.3 | 459 | | | 65 | | | | | |
| OBS | 1016 | 2.62 | 34.534 | 27.57 | | | 1477.2 | 437 | | | 71 | | | | | |
| OBS | 1111 | 2.52 | 34.570 | 27.61 | | | 1478.4 | 424 | | | 75 | | | | | |
| OBS | 1166 | 2.45 | 34.616 | 27.65 | | | 1479.1 | 432 | | | 77 | | | | | |
| OBS | 1342 | 2.38 | 34.659 | 27.69 | | | 1481.8 | 432 | | | 75 | | | | | |
| OBS | 1537 | 2.30 | 34.710 | 27.74 | | | 1484.8 | | | | 81 | | | | | |
| OBS | 1819 | 2.14 | 34.750 | 27.78 | | | 1489.0 | 460 | | | 84 | | | | | |
| OBS | 2112 | 1.90 | 34.757 | 27.81 | | | 1492.9 | 480 | | | 91 | | | | | |
| OBS | 2401 | | 34.750 | | | | | 486 | | | 102 | | | | | |
| OBS | 2686 | 1.24 | 34.733 | 27.84 | | | 1499.9 | 490 | | | 113 | | | | | |
| OBS | 2930 | 1.10 | 34.723 | 27.84 | | | 1503.5 | 506 | | | 118 | | | | | |
| ISL | 0 | 4.50 | 34.085 | 27.03 | 103.96 | 0.000 | 1467.7 | | | | | | | | | |
| ISL | 10 | 4.46 | 34.081 | 27.03 | 103.93 | 0.010 | 1467.7 | | | | | | | | | |
| ISL | 20 | 4.42 | 34.078 | 27.03 | 103.89 | 0.021 | 1467.7 | | | | | | | | | |
| ISL | 30 | 4.38 | 34.074 | 27.03 | 103.82 | 0.031 | 1467.7 | | | | | | | | | |
| ISL | 50 | 4.30 | 34.068 | 27.04 | 103.65 | 0.052 | 1467.7 | | | | | | | | | |
| ISL | 75 | 4.22 | 34.064 | 27.04 | 103.45 | 0.078 | 1467.8 | | | | | | | | | |
| ISL | 100 | 4.17 | 34.061 | 27.04 | 103.33 | 0.104 | 1468.0 | | | | | | | | | |
| ISL | 125 | 4.13 | 34.058 | 27.05 | 103.43 | 0.129 | 1468.2 | | | | | | | | | |
| ISL | 150 | 4.05 | 34.055 | 27.05 | 102.97 | 0.155 | 1468.2 | | | | | | | | | |
| ISL | 200 | 3.77 | 34.049 | 27.08 | 101.09 | 0.206 | 1467.9 | | | | | | | | | |
| ISL | 250 | 3.51 | 34.054 | 27.11 | 98.55 | 0.256 | 1467.6 | | | | | | | | | |
| ISL | 300 | 3.58 | 34.114 | 27.15 | 95.05 | 0.305 | 1468.8 | | | | | | | | | |
| ISL | 400 | 3.91 | 34.265 | 27.23 | 88.04 | 0.396 | 1472.1 | | | | | | | | | |
| ISL | 500 | 3.58 | 34.306 | 27.30 | 82.28 | 0.481 | 1472.4 | | | | | | | | | |
| ISL | 600 | 3.17 | 34.332 | 27.36 | 76.81 | 0.561 | 1472.3 | | | | | | | | | |
| ISL | 700 | 2.81 | 34.366 | 27.42 | 71.36 | 0.635 | 1472.5 | | | | | | | | | |
| ISL | 800 | 2.72 | 34.416 | 27.47 | 67.29 | 0.704 | 1473.9 | | | | | | | | | |
| ISL | 900 | 2.61 | 34.461 | 27.51 | 63.37 | 0.770 | 1475.1 | | | | | | | | | |
| ISL | 1000 | 2.62 | 34.525 | 27.56 | 59.32 | 0.831 | 1476.9 | | | | | | | | | |
| ISL | 1100 | 2.53 | 34.564 | 27.60 | 56.03 | 0.889 | 1478.3 | | | | | | | | | |
| ISL | 1200 | 2.44 | 34.625 | 27.66 | 51.01 | 0.942 | 1479.6 | | | | | | | | | |
| ISL | 1300 | 2.40 | 34.649 | 27.68 | 49.36 | 0.992 | 1481.2 | | | | | | | | | |
| ISL | 1400 | 2.36 | 34.674 | 27.70 | 47.55 | 1.041 | 1482.7 | | | | | | | | | |
| ISL | 1500 | 2.32 | 34.700 | 27.73 | 45.69 | 1.087 | 1484.3 | | | | | | | | | |
| ISL | 1750 | 2.18 | 34.744 | 27.77 | 42.20 | 1.197 | 1488.0 | | | | | | | | | |
| ISL | 2000 | 2.00 | 34.757 | 27.80 | 40.08 | 1.300 | 1491.5 | | | | | | | | | |
| ISL | 2250 | 1.76 | 34.755 | 27.82 | 38.25 | 1.398 | 1494.7 | | | | | | | | | |
| ISL | 2500 | 1.45 | 34.744 | 27.83 | 35.94 | 1.491 | 1497.6 | | | | | | | | | |
| ISL | 2750 | 1.20 | 34.730 | 27.84 | 34.34 | 1.579 | 1500.8 | | | | | | | | | |



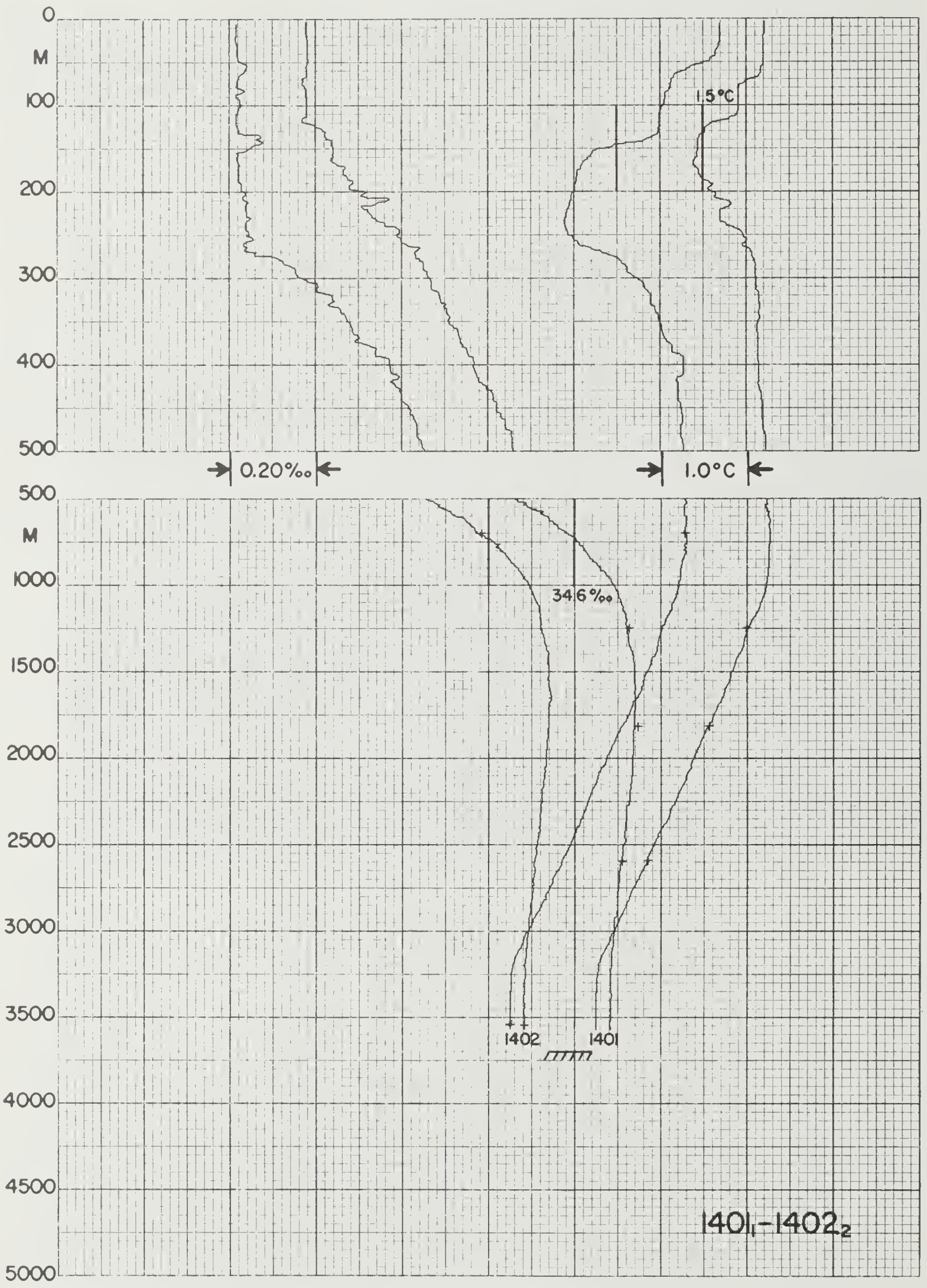
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|-----|
| EL 50 | 1397 | 1 | 1 | 18 | 11 | 71 | 21.1 | 4900.0S | 10458.0E | 469 | 2706 | 4.2 | | 275 | 263 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | | |
| CCM1 | 10 | 3.31 | | 33.994 | | 27.08 | | | | 767 | | | 5 | | | |
| CCM1 | 2290 | 2.03 | | 34.061 | | 27.24 | | | | 711 | | | 26 | | | |
| CCM1 | 318 | 2.64 | | 34.197 | | 27.30 | | | | 578 | | | 33 | | | |
| CCM1 | 327 | 2.66 | | 34.208 | | 27.31 | | | | 585 | | | 36 | | | |
| CCM1 | 597 | 2.49 | | 34.415 | | 27.49 | | | | 458 | | | 60 | | | |
| CCM1 | 944 | 2.38 | | 34.604 | | 27.65 | | | | 424 | | | 76 | | | |
| | | | | | | | | | | | | | | | | |
| STD | 0 | 3.26 | | 33.987 | | 27.08 | 99.52 | 0.000 | 1462.4 | | | | | | | |
| STD | 10 | 3.26 | | 33.988 | | 27.08 | 99.49 | 0.010 | 1462.5 | | | | | | | |
| STD | 20 | 3.27 | | 34.001 | | 27.09 | 98.66 | 0.020 | 1462.7 | | | | | | | |
| STD | 30 | 3.27 | | 33.994 | | 27.08 | 99.24 | 0.030 | 1462.9 | | | | | | | |
| STD | 50 | 3.27 | | 33.991 | | 27.08 | 99.58 | 0.050 | 1463.2 | | | | | | | |
| STD | 75 | 3.08 | | 33.999 | | 27.10 | 97.50 | 0.074 | 1462.8 | | | | | | | |
| STD | 100 | 3.06 | | 33.995 | | 27.10 | 97.76 | 0.099 | 1463.2 | | | | | | | |
| STD | 125 | 2.83 | | 34.004 | | 27.13 | 95.20 | 0.123 | 1462.6 | | | | | | | |
| STD | 150 | 2.77 | | 34.025 | | 27.15 | 93.23 | 0.146 | 1462.8 | | | | | | | |
| STD | 200 | 2.42 | | 34.048 | | 27.20 | 88.80 | 0.192 | 1462.1 | | | | | | | |
| STD | 250 | 1.95 | | 34.066 | | 27.25 | 83.88 | 0.235 | 1460.9 | | | | | | | |
| STD | 300 | 2.07 | | 34.123 | | 27.29 | 80.72 | 0.276 | 1462.3 | | | | | | | |
| STD | 400 | 2.68 | | 34.411 | | 27.47 | 64.86 | 0.349 | 1467.0 | | | | | | | |
| STD | 500 | 2.70 | | 34.388 | | 27.45 | 67.41 | 0.415 | 1468.7 | | | | | | | |
| STD | 600 | 2.52 | | 34.412 | | 27.48 | 64.44 | 0.481 | 1469.6 | | | | | | | |
| STD | 700 | 2.41 | | 34.442 | | 27.51 | 61.66 | 0.544 | 1470.9 | | | | | | | |
| STD | 800 | 2.30 | | 34.520 | | 27.58 | 55.40 | 0.603 | 1472.2 | | | | | | | |
| STD | 900 | 2.44 | | 34.607 | | 27.64 | 50.80 | 0.656 | 1474.6 | | | | | | | |
| STD | 942 | 2.40 | | 34.622 | | 27.66 | 49.46 | 0.677 | 1475.1 | | | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1398 | 1 | 1 | 19 | 11 | 71 | 9.6 | 5002.2S | 10454.0E | 505 | 3170 | 4.6 | | 305 | 304 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CCM1 | 14 | 3.12 | | 33.969 | | 27.07 | | | | | 759 | | | 8 | | |
| CCM1 | 1220 | 2.08 | | 34.743 | | 27.78 | | | | | 439 | | | 85 | | |
| CCM1 | 1992 | 1.42 | | 34.746 | | 27.83 | | | | | 470 | | | 104 | | |
| STD | 0 | 3.11 | | 33.954 | | 27.06 | | 100.67 | 0.000 | 1461.7 | | | | | | |
| STD | 10 | 3.12 | | 33.963 | | 27.07 | | 100.08 | 0.010 | 1461.9 | | | | | | |
| STD | 20 | 3.11 | | 33.971 | | 27.08 | | 99.43 | 0.020 | 1462.0 | | | | | | |
| STD | 30 | 3.10 | | 33.972 | | 27.08 | | 99.43 | 0.030 | 1462.1 | | | | | | |
| STD | 50 | 3.05 | | 33.967 | | 27.08 | | 99.42 | 0.050 | 1462.2 | | | | | | |
| STD | 75 | 3.01 | | 33.973 | | 27.09 | | 98.79 | 0.075 | 1462.5 | | | | | | |
| STD | 100 | 2.91 | | 33.969 | | 27.09 | | 98.45 | 0.099 | 1462.5 | | | | | | |
| STD | 125 | 2.50 | | 33.978 | | 27.14 | | 94.44 | 0.123 | 1461.1 | | | | | | |
| STD | 150 | 2.00 | | 34.003 | | 27.20 | | 88.66 | 0.146 | 1459.4 | | | | | | |
| STD | 200 | 1.54 | | 34.070 | | 27.28 | | 80.30 | 0.189 | 1458.3 | | | | | | |
| STD | 250 | 1.82 | | 34.174 | | 27.35 | | 74.72 | 0.227 | 1460.5 | | | | | | |
| STD | 300 | 2.04 | | 34.273 | | 27.41 | | 69.17 | 0.263 | 1462.4 | | | | | | |
| STD | 400 | 2.04 | | 34.383 | | 27.50 | | 61.36 | 0.328 | 1464.2 | | | | | | |
| STD | 500 | 2.12 | | 34.483 | | 27.57 | | 54.99 | 0.387 | 1466.4 | | | | | | |
| STD | 600 | 2.20 | | 34.549 | | 27.62 | | 51.26 | 0.440 | 1468.5 | | | | | | |
| STD | 700 | 2.28 | | 34.609 | | 27.66 | | 48.03 | 0.489 | 1470.5 | | | | | | |
| STD | 800 | 2.18 | | 34.648 | | 27.70 | | 44.63 | 0.536 | 1471.8 | | | | | | |
| STD | 900 | 2.22 | | 34.684 | | 27.72 | | 42.77 | 0.579 | 1473.7 | | | | | | |
| STD | 1000 | 2.18 | | 34.711 | | 27.75 | | 40.98 | 0.621 | 1475.3 | | | | | | |
| STD | 1100 | 2.13 | | 34.730 | | 27.77 | | 39.48 | 0.662 | 1476.7 | | | | | | |
| STD | 1200 | 2.11 | | 34.742 | | 27.78 | | 38.83 | 0.701 | 1478.3 | | | | | | |
| STD | 1300 | 2.00 | | 34.751 | | 27.79 | | 37.47 | 0.739 | 1479.5 | | | | | | |
| STD | 1400 | 1.92 | | 34.753 | | 27.80 | | 36.87 | 0.776 | 1480.9 | | | | | | |
| STD | 1500 | 1.84 | | 34.759 | | 27.81 | | 36.03 | 0.813 | 1482.2 | | | | | | |
| STD | 1750 | 1.63 | | 34.758 | | 27.83 | | 34.63 | 0.901 | 1485.5 | | | | | | |
| STD | 2000 | 1.44 | | 34.752 | | 27.84 | | 33.83 | 0.986 | 1489.0 | | | | | | |
| STD | 2250 | 1.17 | | 34.740 | | 27.85 | | 32.11 | 1.069 | 1492.0 | | | | | | |
| STD | 2500 | 0.91 | | 34.730 | | 27.86 | | 30.24 | 1.147 | 1495.2 | | | | | | |
| STD | 2750 | 0.68 | | 34.721 | | 27.86 | | 28.43 | 1.220 | 1498.5 | | | | | | |
| STD | 2986 | 0.55 | | 34.713 | | 27.86 | | 27.57 | 1.286 | 1502.0 | | | | | | |
| COM | 633 | 2.22 | | | | | | | | | | | | | | |
| COM2 | 2953 | 0.56 | | 34.717 | | 27.87 | | | | | 499 | | | | | 128 |



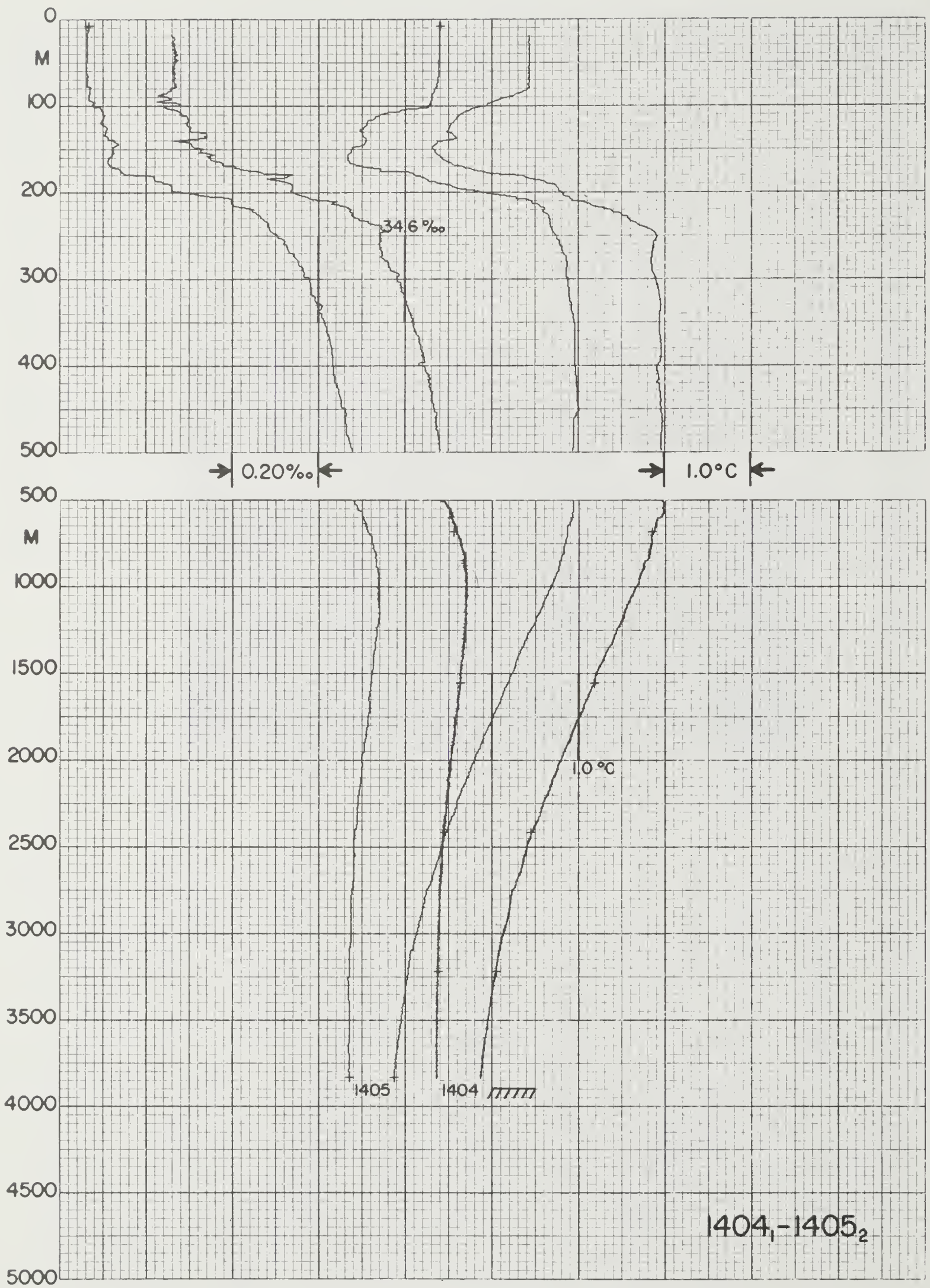
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1400 | 0 | | 19 | 11 | 71 | 21.9 | 5055.9S | 10453.4E | 505 | 3329 | 4.9 | | 336 | 334 | 23 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 1 | 3.32 | | 33.983 | | 27.07 | | | | 1462.6 | 759 | | | 6 | | |
| OBS | 38 | 3.33 | | 33.983 | | 27.07 | | | | 1463.3 | 736 | | | 5 | | |
| OBS | 94 | 3.17 | | 33.982 | | 27.08 | | | | 1463.5 | 759 | | | 7 | | |
| OBS | 141 | 2.46 | | 34.022 | | 27.17 | | | | 1461.3 | 719 | | | 19 | | |
| OBS | 189 | 2.10 | | 34.055 | | 27.23 | | | | 1460.5 | 691 | | | 25 | | |
| OBS | 237 | 2.06 | | 34.106 | | 27.27 | | | | 1461.2 | 660 | | | 29 | | |
| OBS | 284 | 2.13 | | 34.163 | | 27.31 | | | | 1462.4 | 605 | | | 35 | | |
| OBS | 380 | 2.43 | | 34.304 | | 27.40 | | | | 1465.4 | 505 | | | 51 | | |
| OBS | 476 | 2.18 | | 34.372 | | 27.48 | | | | 1466.0 | 470 | | | 61 | | |
| OBS | 573 | 2.32 | | 34.451 | | 27.53 | | | | 1468.4 | 437 | | | 68 | | |
| OBS | 769 | 2.31 | | 34.578 | | 27.63 | | | | 1471.7 | 417 | | | 78 | | |
| OBS | 969 | 2.31 | | 34.660 | | 27.70 | | | | 1475.2 | 417 | | | 80 | | |
| OBS | 1211 | 2.23 | | 34.718 | | 27.75 | | | | 1479.0 | 430 | | | 82 | | |
| OBS | 1415 | 2.04 | | 34.741 | | 27.78 | | | | 1481.6 | 430 | | | 87 | | |
| OBS | 1620 | 1.88 | | 34.752 | | 27.80 | | | | 1484.4 | 450 | | | 92 | | |
| OBS | 1826 | 1.71 | | 34.754 | | 27.82 | | | | 1487.1 | 456 | | | 99 | | |
| OBS | 2033 | 1.49 | | 34.747 | | 27.83 | | | | 1489.6 | 442 | | | 105 | | |
| OBS | 2290 | 1.27 | | 34.734 | | 27.83 | | | | 1493.0 | 473 | | | 112 | | |
| OBS | 2547 | 1.02 | | 34.718 | | 27.84 | | | | 1496.3 | 468 | | | 118 | | |
| OBS | 2802 | 0.77 | | 34.711 | | 27.85 | | | | 1499.6 | 470 | | | 127 | | |
| OBS | 3058 | 0.59 | | 34.693 | | 27.85 | | | | 1503.2 | 481 | | | 131 | | |
| OBS | 3261 | 0.50 | | 34.694 | | 27.85 | | | | 1506.4 | 496 | | | 124 | | |
| OBS | 3362 | 0.49 | | 34.697 | | 27.86 | | | | 1508.1 | 496 | | | 134 | | |
| ISL | 0 | 3.32 | | 33.983 | | 27.07 | | 100.30 | 0.000 | 1462.6 | | | | | | |
| ISL | 10 | 3.33 | | 33.983 | | 27.07 | | 100.48 | 0.010 | 1462.8 | | | | | | |
| ISL | 20 | 3.34 | | 33.983 | | 27.07 | | 100.62 | 0.020 | 1463.0 | | | | | | |
| ISL | 30 | 3.34 | | 33.983 | | 27.07 | | 100.64 | 0.030 | 1463.2 | | | | | | |
| ISL | 50 | 3.32 | | 33.983 | | 27.07 | | 100.60 | 0.050 | 1463.4 | | | | | | |
| ISL | 75 | 3.29 | | 33.982 | | 27.07 | | 100.64 | 0.075 | 1463.7 | | | | | | |
| ISL | 100 | 3.11 | | 33.987 | | 27.09 | | 98.78 | 0.100 | 1463.3 | | | | | | |
| ISL | 125 | 2.66 | | 34.009 | | 27.15 | | 93.41 | 0.124 | 1461.9 | | | | | | |
| ISL | 150 | 2.37 | | 34.029 | | 27.19 | | 89.59 | 0.147 | 1461.0 | | | | | | |
| ISL | 200 | 2.07 | | 34.065 | | 27.24 | | 84.65 | 0.191 | 1460.6 | | | | | | |
| ISL | 250 | 2.07 | | 34.121 | | 27.29 | | 80.68 | 0.232 | 1461.5 | | | | | | |
| ISL | 300 | 2.17 | | 34.185 | | 27.33 | | 76.91 | 0.272 | 1462.8 | | | | | | |
| ISL | 400 | 2.41 | | 34.318 | | 27.41 | | 69.43 | 0.345 | 1465.7 | | | | | | |
| ISL | 500 | 2.21 | | 34.391 | | 27.49 | | 62.73 | 0.411 | 1466.6 | | | | | | |
| ISL | 600 | 2.32 | | 34.471 | | 27.54 | | 58.16 | 0.471 | 1468.8 | | | | | | |
| ISL | 700 | 2.31 | | 34.538 | | 27.60 | | 53.58 | 0.527 | 1470.5 | | | | | | |
| ISL | 800 | 2.31 | | 34.593 | | 27.64 | | 49.95 | 0.579 | 1472.3 | | | | | | |
| ISL | 900 | 2.31 | | 34.637 | | 27.68 | | 47.28 | 0.627 | 1474.0 | | | | | | |
| ISL | 1000 | 2.31 | | 34.670 | | 27.70 | | 45.26 | 0.674 | 1475.7 | | | | | | |
| ISL | 1100 | 2.28 | | 34.696 | | 27.73 | | 43.57 | 0.718 | 1477.3 | | | | | | |
| ISL | 1200 | 2.24 | | 34.716 | | 27.75 | | 42.13 | 0.761 | 1478.8 | | | | | | |
| ISL | 1300 | 2.14 | | 34.730 | | 27.77 | | 40.56 | 0.802 | 1480.1 | | | | | | |
| ISL | 1400 | 2.05 | | 34.740 | | 27.78 | | 39.34 | 0.842 | 1481.4 | | | | | | |
| ISL | 1500 | 1.97 | | 34.747 | | 27.79 | | 38.41 | 0.881 | 1482.7 | | | | | | |
| ISL | 1750 | 1.78 | | 34.754 | | 27.81 | | 36.67 | 0.975 | 1486.1 | | | | | | |
| ISL | 2000 | 1.52 | | 34.748 | | 27.83 | | 35.02 | 1.065 | 1489.2 | | | | | | |
| ISL | 2250 | 1.31 | | 34.736 | | 27.83 | | 34.07 | 1.151 | 1492.5 | | | | | | |
| ISL | 2500 | 1.07 | | 34.721 | | 27.84 | | 32.83 | 1.235 | 1495.7 | | | | | | |
| ISL | 2750 | 0.82 | | 34.713 | | 27.85 | | 30.77 | 1.314 | 1498.9 | | | | | | |
| ISL | 3000 | 0.62 | | 34.696 | | 27.85 | | 29.78 | 1.390 | 1502.4 | | | | | | |
| ISL | 3250 | 0.50 | | 34.694 | | 27.85 | | 28.57 | 1.463 | 1506.2 | | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1401 | 1 | 3 | 20 | 11 | 71 | 12.8 | 5201.4S | 10500.0E | 505 | 3701 | 2.3 | | 235 | 234 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| CCM1 | 1244 | 2.00 | | 34.728 | | 27.78 | | | | | 436 | | | 84 | | |
| CCM1 | 1808 | 1.57 | | 34.747 | | 27.82 | | | | | 459 | | | 96 | | |
| CCM1 | 2592 | 0.86 | | 34.711 | | 27.84 | | | | | 480 | | | 118 | | |
| STD | 0 | 2.21 | | 33.977 | | 27.16 | | 91.59 | 0.000 | 1457.8 | | | | | | |
| STD | 10 | 2.21 | | 33.979 | | 27.16 | | 91.51 | 0.009 | 1458.0 | | | | | | |
| STD | 20 | 2.21 | | 33.979 | | 27.16 | | 91.47 | 0.018 | 1458.1 | | | | | | |
| STD | 30 | 2.20 | | 33.982 | | 27.16 | | 91.31 | 0.027 | 1458.3 | | | | | | |
| STD | 50 | 2.20 | | 33.982 | | 27.16 | | 91.37 | 0.046 | 1458.6 | | | | | | |
| STD | 75 | 1.97 | | 33.971 | | 27.17 | | 90.55 | 0.068 | 1457.9 | | | | | | |
| STD | 100 | 1.91 | | 33.980 | | 27.19 | | 89.48 | 0.091 | 1458.1 | | | | | | |
| STD | 125 | 1.54 | | 34.003 | | 27.23 | | 85.18 | 0.113 | 1456.9 | | | | | | |
| STD | 150 | 1.44 | | 34.042 | | 27.27 | | 81.54 | 0.134 | 1456.9 | | | | | | |
| STD | 200 | 1.60 | | 34.118 | | 27.32 | | 77.12 | 0.173 | 1458.6 | | | | | | |
| STD | 250 | 1.96 | | 34.190 | | 27.35 | | 74.63 | 0.211 | 1461.1 | | | | | | |
| STD | 300 | 2.12 | | 34.266 | | 27.40 | | 70.36 | 0.247 | 1462.7 | | | | | | |
| STD | 400 | 2.15 | | 34.369 | | 27.48 | | 63.34 | 0.314 | 1464.7 | | | | | | |
| STD | 500 | 2.23 | | 34.464 | | 27.55 | | 57.44 | 0.375 | 1466.8 | | | | | | |
| STD | 600 | 2.24 | | 34.531 | | 27.60 | | 53.00 | 0.430 | 1468.6 | | | | | | |
| STD | 700 | 2.27 | | 34.586 | | 27.64 | | 49.66 | 0.481 | 1470.5 | | | | | | |
| STD | 800 | 2.26 | | 34.626 | | 27.67 | | 47.03 | 0.530 | 1472.1 | | | | | | |
| STD | 900 | 2.26 | | 34.660 | | 27.70 | | 44.95 | 0.576 | 1473.8 | | | | | | |
| STD | 1000 | 2.23 | | 34.693 | | 27.73 | | 42.82 | 0.619 | 1475.5 | | | | | | |
| STD | 1100 | 2.17 | | 34.710 | | 27.75 | | 41.40 | 0.662 | 1476.9 | | | | | | |
| STD | 1200 | 2.07 | | 34.722 | | 27.77 | | 39.94 | 0.702 | 1478.1 | | | | | | |
| STD | 1300 | 1.99 | | 34.727 | | 27.78 | | 39.20 | 0.742 | 1479.5 | | | | | | |
| STD | 1400 | 1.92 | | 34.737 | | 27.79 | | 38.10 | 0.780 | 1480.9 | | | | | | |
| STD | 1500 | 1.83 | | 34.740 | | 27.80 | | 37.28 | 0.818 | 1482.2 | | | | | | |
| STD | 1750 | 1.62 | | 34.741 | | 27.81 | | 35.91 | 0.910 | 1485.5 | | | | | | |
| STD | 2000 | 1.38 | | 34.737 | | 27.83 | | 34.28 | 0.997 | 1488.7 | | | | | | |
| STD | 2250 | 1.18 | | 34.729 | | 27.84 | | 33.10 | 1.082 | 1492.1 | | | | | | |
| STD | 2500 | 0.93 | | 34.715 | | 27.84 | | 31.63 | 1.163 | 1495.3 | | | | | | |
| STD | 2750 | 0.70 | | 34.704 | | 27.85 | | 29.91 | 1.239 | 1498.5 | | | | | | |
| STD | 3000 | 0.47 | | 34.694 | | 27.85 | | 27.98 | 1.312 | 1501.9 | | | | | | |
| STD | 3250 | 0.28 | | 34.687 | | 27.86 | | 26.14 | 1.379 | 1505.4 | | | | | | |
| STD | 3500 | 0.26 | | 34.686 | | 27.86 | | 25.99 | 1.445 | 1509.7 | | | | | | |
| STD | 3570 | 0.26 | | 34.685 | | 27.86 | | 25.98 | 1.463 | 1510.9 | | | | | | |
| CCM2 | 707 | 2.28 | | 34.586 | | 27.64 | | | | | 413 | | | | | 63 |
| CCM2 | 3547 | 0.26 | | 34.685 | | 27.86 | | | | | 508 | | | | | 131 |



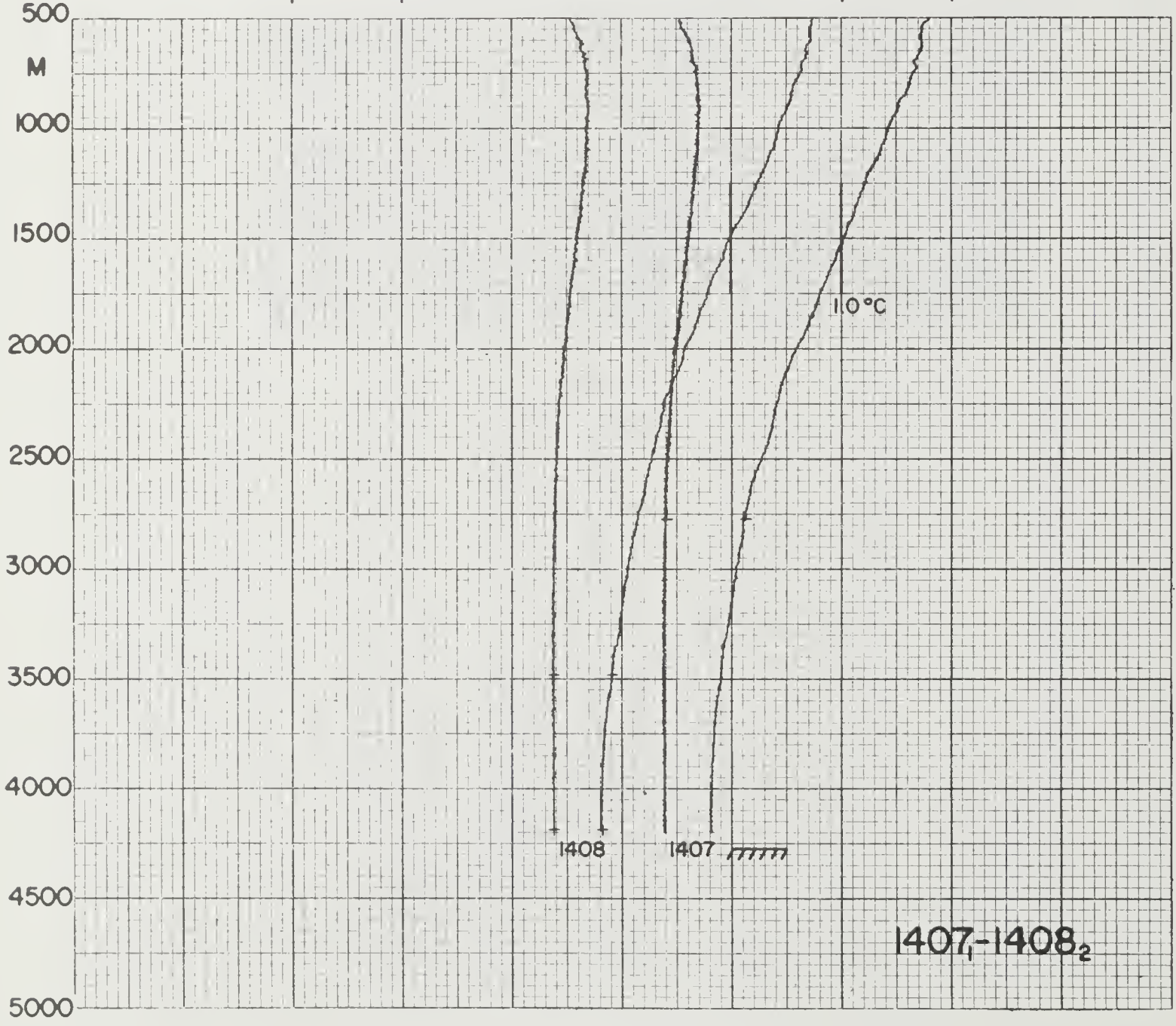
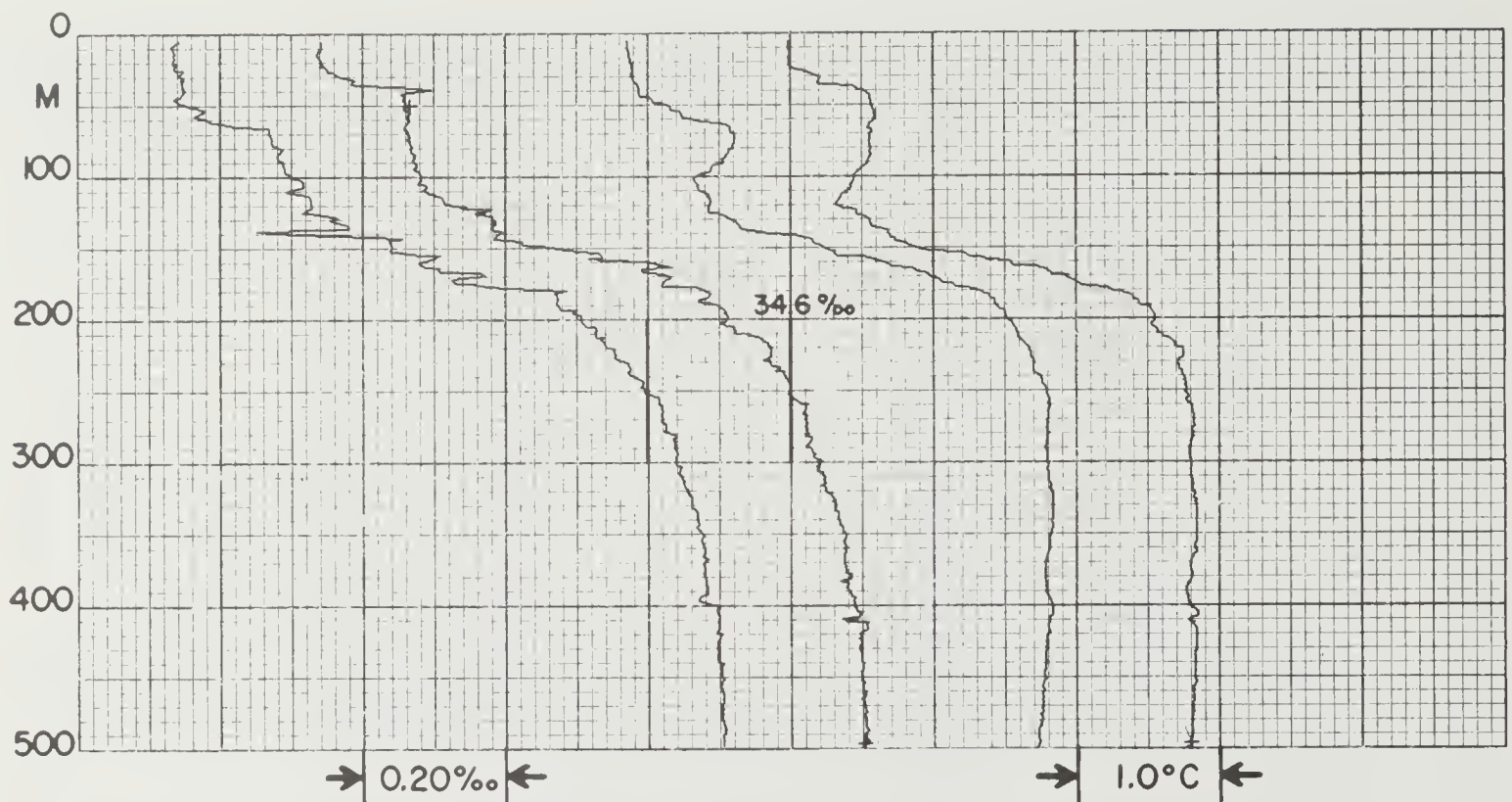
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|------------------------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|--|-----|-----|-----|
| EL 50 | 1403 | 0 | | 21 | 11 | 71 | 7.4 | 5358.7S | 10459.1E | 505 | 3728 | 2.9 | | 304 | 274 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | | | |
| OBS | 1 | 1.30 | 34.043 | | 27.28 | | | 1453.9 | 799 | | | 21 | | | | |
| OBS | 29 | 1.19 | 34.036 | | 27.28 | | | 1453.8 | | | | 22 | | | | |
| OBS | 59 | 1.13 | 34.036 | | 27.28 | | | 1454.1 | 787 | | | 22 | | | | |
| OBS | 99 | 0.63 | 34.048 | | 27.33 | | | 1452.5 | 784 | | | 27 | | | | |
| OBS | 129 | -0.13 | 34.067 | | 27.38 | | | 1449.5 | 777 | | | 34 | | | | |
| OBS | 179 | 0.05 | 34.138 | | 27.43 | | | 1451.3 | 708 | | | 43 | | | | |
| OBS | 239 | 1.52 | 34.372 | | 27.53 | | | 1459.2 | 500 | | | 61 | | | | |
| OBS | 299 | 1.83 | 34.475 | | 27.59 | | | 1461.7 | 451 | | | 70 | | | | |
| OBS | 399 | 2.02 | 34.587 | | 27.66 | | | 1464.4 | 458 | | | 77 | | | | |
| OBS | 499 | 2.04 | 34.634 | | 27.70 | | | 1466.2 | 429 | | | 80 | | | | |
| OBS | 649 | 2.01 | 34.687 | | 27.74 | | | 1468.6 | 444 | | | 83 | | | | |
| OBS | 799 | 1.90 | 34.711 | | 27.77 | | | 1470.7 | 437 | | | 85 | | | | |
| OBS | 953 | 1.85 | 34.735 | | 27.79 | | | 1473.0 | 453 | | | 88 | | | | |
| OBS | 1143 | 1.72 | 34.744 | | 27.81 | | | 1475.7 | 457 | | | 90 | | | | |
| OBS | 1429 | 1.48 | 34.743 | | 27.83 | | | 1479.4 | 468 | | | 99 | | | | |
| OBS | 1715 | 1.25 | 34.735 | | 27.84 | | | 1483.2 | 475 | | | 105 | | | | |
| OBS | 2002 | 1.02 | 34.723 | | 27.84 | | | 1487.1 | 479 | | | 113 | | | | |
| OBS | 2290 | 0.76 | 34.706 | | 27.85 | | | 1490.9 | 485 | | | 119 | | | | |
| OBS | 2579 | 0.54 | 34.699 | | 27.85 | | | 1494.8 | 495 | | | 127 | | | | |
| OBS | 2871 | 0.32 | 34.690 | | 27.86 | | | 1498.9 | 513 | | | 129 | | | | |
| OBS | 3164 | 0.18 | 34.683 | | 27.86 | | | 1503.4 | 517 | | | 134 | | | | |
| OBS | 3460 | 0.14 | 34.684 | | 27.86 | | | 1508.4 | 513 | | | 131 | | | | |
| OBS | 3658 | 0.10 | 34.679 | | 27.86 | | | 1511.7 | 533 | | | 135 | | | | |
| ISL | 0 | 1.30 | 34.043 | | 27.28 | 80.24 | 0.000 | 1453.9 | | | | | | | | |
| ISL | 10 | 1.27 | 34.040 | | 27.28 | 80.28 | 0.008 | 1453.9 | | | | | | | | |
| ISL | 20 | 1.22 | 34.037 | | 27.28 | 80.20 | 0.016 | 1453.8 | | | | | | | | |
| ISL | 30 | 1.19 | 34.036 | | 27.28 | 80.11 | 0.024 | 1453.8 | | | | | | | | |
| ISL | 50 | 1.14 | 34.035 | | 27.28 | 79.91 | 0.040 | 1454.0 | | | | | | | | |
| ISL | 75 | 1.00 | 34.039 | | 27.30 | 78.71 | 0.060 | 1453.7 | | | | | | | | |
| ISL | 100 | 0.61 | 34.048 | | 27.33 | 75.69 | 0.079 | 1452.4 | | | | | | | | |
| ISL | 125 | -0.06 | 34.064 | | 27.38 | 70.88 | 0.098 | 1449.8 | | | | | | | | |
| ISL | 150 | -0.24 | 34.087 | | 27.40 | 68.15 | 0.115 | 1449.4 | | | | | | | | |
| ISL | 200 | 0.50 | 34.213 | | 27.47 | 62.60 | 0.148 | 1453.8 | | | | | | | | |
| ISL | 250 | 1.66 | 34.399 | | 27.54 | 56.52 | 0.177 | 1460.1 | | | | | | | | |
| ISL | 300 | 1.83 | 34.476 | | 27.59 | 52.21 | 0.205 | 1461.8 | | | | | | | | |
| ISL | 400 | 2.02 | 34.588 | | 27.66 | 45.81 | 0.254 | 1464.4 | | | | | | | | |
| ISL | 500 | 2.04 | 34.634 | | 27.70 | 42.94 | 0.298 | 1466.2 | | | | | | | | |
| ISL | 600 | 2.03 | 34.672 | | 27.73 | 40.46 | 0.340 | 1467.9 | | | | | | | | |
| ISL | 700 | 1.98 | 34.695 | | 27.75 | 38.71 | 0.379 | 1469.3 | | | | | | | | |
| ISL | 800 | 1.90 | 34.711 | | 27.77 | 37.25 | 0.417 | 1470.7 | | | | | | | | |
| ISL | 900 | 1.87 | 34.727 | | 27.78 | 36.25 | 0.454 | 1472.2 | | | | | | | | |
| ISL | 1000 | 1.82 | 34.739 | | 27.80 | 35.33 | 0.490 | 1473.7 | | | | | | | | |
| ISL | 1100 | 1.75 | 34.743 | | 27.81 | 34.73 | 0.525 | 1475.1 | | | | | | | | |
| ISL | 1200 | 1.67 | 34.745 | | 27.81 | 34.15 | 0.559 | 1476.4 | | | | | | | | |
| ISL | 1300 | 1.59 | 34.745 | | 27.82 | 33.64 | 0.593 | 1477.7 | | | | | | | | |
| ISL | 1400 | 1.50 | 34.743 | | 27.83 | 33.25 | 0.627 | 1479.0 | | | | | | | | |
| ISL | 1500 | 1.42 | 34.742 | | 27.83 | 32.88 | 0.660 | 1480.4 | | | | | | | | |
| ISL | 1750 | 1.22 | 34.734 | | 27.84 | 32.01 | 0.741 | 1483.7 | | | | | | | | |
| ISL | 2000 | 1.02 | 34.723 | | 27.84 | 31.15 | 0.820 | 1487.1 | | | | | | | | |
| ISL | 2250 | 0.79 | 34.708 | | 27.85 | 30.09 | 0.896 | 1490.3 | | | | | | | | |
| ISL | 2500 | 0.60 | 34.701 | | 27.85 | 28.63 | 0.970 | 1493.7 | | | | | | | | |
| ISL | 2750 | 0.41 | 34.694 | | 27.86 | 27.07 | 1.039 | 1497.2 | | | | | | | | |
| ISL | 3000 | 0.25 | 34.686 | | 27.86 | 25.65 | 1.105 | 1500.8 | | | | | | | | |
| ISL | 3250 | 0.17 | 34.683 | | 27.86 | 24.96 | 1.168 | 1504.8 | | | | | | | | |
| ISL | 3500 | 0.13 | 34.683 | | 27.86 | 24.37 | 1.230 | 1509.1 | | | | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1404 | 1 | 1 | 22 | 11 | 71 | 10.7 | 5556.9S | 10456.2E | 505 | 3899 | 2.9 | | 326 | 334 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| CCM1 | 686 | 1.85 | | 34.712 | | 27.77 | | | | | 438 | | | | | |
| CCM1 | 1553 | 1.19 | | 34.727 | | 27.83 | | | | | 475 | | | | | |
| CCM1 | 2417 | 0.46 | | 34.691 | | 27.85 | | | | | 505 | | | | | |
| CCM1 | 3221 | 0.06 | | 34.677 | | 27.86 | | | | | 525 | | | | | |
| STD | 0 | 0.43 | | 34.057 | | 27.34 | | 74.03 | 0.000 | 1450.0 | | | | | | |
| STD | 10 | 0.43 | | 34.057 | | 27.34 | | 74.02 | 0.007 | 1450.1 | | | | | | |
| STD | 20 | 0.43 | | 34.057 | | 27.34 | | 74.03 | 0.015 | 1450.3 | | | | | | |
| STD | 30 | 0.43 | | 34.065 | | 27.35 | | 73.37 | 0.022 | 1450.4 | | | | | | |
| STD | 50 | 0.43 | | 34.064 | | 27.35 | | 73.48 | 0.037 | 1450.8 | | | | | | |
| STD | 75 | 0.42 | | 34.066 | | 27.35 | | 73.25 | 0.055 | 1451.1 | | | | | | |
| STD | 100 | -0.06 | | 34.077 | | 27.39 | | 69.89 | 0.073 | 1449.4 | | | | | | |
| STD | 125 | -0.49 | | 34.101 | | 27.43 | | 66.03 | 0.090 | 1447.9 | | | | | | |
| STD | 150 | -0.68 | | 34.131 | | 27.46 | | 62.86 | 0.106 | 1447.5 | | | | | | |
| STD | 200 | 0.80 | | 34.337 | | 27.55 | | 55.07 | 0.136 | 1455.3 | | | | | | |
| STD | 250 | 1.90 | | 34.541 | | 27.63 | | 47.71 | 0.161 | 1461.3 | | | | | | |
| STD | 300 | 1.89 | | 34.579 | | 27.67 | | 44.92 | 0.185 | 1462.2 | | | | | | |
| STD | 400 | 1.91 | | 34.632 | | 27.71 | | 41.54 | 0.228 | 1464.0 | | | | | | |
| STD | 500 | 1.96 | | 34.687 | | 27.75 | | 38.34 | 0.268 | 1465.9 | | | | | | |
| STD | 600 | 1.96 | | 34.712 | | 27.77 | | 36.86 | 0.305 | 1467.6 | | | | | | |
| STD | 700 | 1.85 | | 34.721 | | 27.78 | | 35.67 | 0.342 | 1468.8 | | | | | | |
| STD | 800 | 1.82 | | 34.736 | | 27.80 | | 34.76 | 0.377 | 1470.4 | | | | | | |
| STD | 900 | 1.75 | | 34.739 | | 27.80 | | 34.21 | 0.411 | 1471.7 | | | | | | |
| STD | 1000 | 1.67 | | 34.741 | | 27.81 | | 33.74 | 0.445 | 1473.1 | | | | | | |
| STD | 1100 | 1.57 | | 34.740 | | 27.82 | | 33.18 | 0.479 | 1474.3 | | | | | | |
| STD | 1200 | 1.50 | | 34.739 | | 27.82 | | 32.91 | 0.512 | 1475.7 | | | | | | |
| STD | 1300 | 1.41 | | 34.734 | | 27.83 | | 32.68 | 0.545 | 1476.9 | | | | | | |
| STD | 1400 | 1.31 | | 34.733 | | 27.83 | | 32.04 | 0.577 | 1478.2 | | | | | | |
| STD | 1500 | 1.21 | | 34.729 | | 27.83 | | 31.61 | 0.609 | 1479.4 | | | | | | |
| STD | 1750 | 1.02 | | 34.719 | | 27.84 | | 30.89 | 0.687 | 1482.8 | | | | | | |
| STD | 2000 | 0.81 | | 34.707 | | 27.84 | | 29.95 | 0.763 | 1486.1 | | | | | | |
| STD | 2250 | 0.60 | | 34.697 | | 27.85 | | 28.72 | 0.836 | 1489.5 | | | | | | |
| STD | 2500 | 0.42 | | 34.687 | | 27.85 | | 27.55 | 0.907 | 1493.0 | | | | | | |
| STD | 2750 | 0.26 | | 34.682 | | 27.86 | | 26.08 | 0.974 | 1496.6 | | | | | | |
| STD | 3000 | 0.15 | | 34.678 | | 27.86 | | 25.02 | 1.037 | 1500.4 | | | | | | |
| STD | 3250 | 0.05 | | 34.676 | | 27.86 | | 23.82 | 1.099 | 1504.3 | | | | | | |
| STD | 3500 | -0.04 | | 34.674 | | 27.87 | | 22.71 | 1.157 | 1508.3 | | | | | | |
| STD | 3750 | -0.10 | | 34.675 | | 27.87 | | 21.72 | 1.212 | 1512.5 | | | | | | |
| STD | 3833 | -0.12 | | 34.674 | | 27.87 | | 21.41 | 1.230 | 1513.9 | | | | | | |
| CCM2 | 9 | 0.40 | | 34.066 | | 27.35 | | | | | 800 | | | | | |
| CCM2 | 3830 | -0.12 | | 34.672 | | 27.87 | | | | | 551 | | | | | |

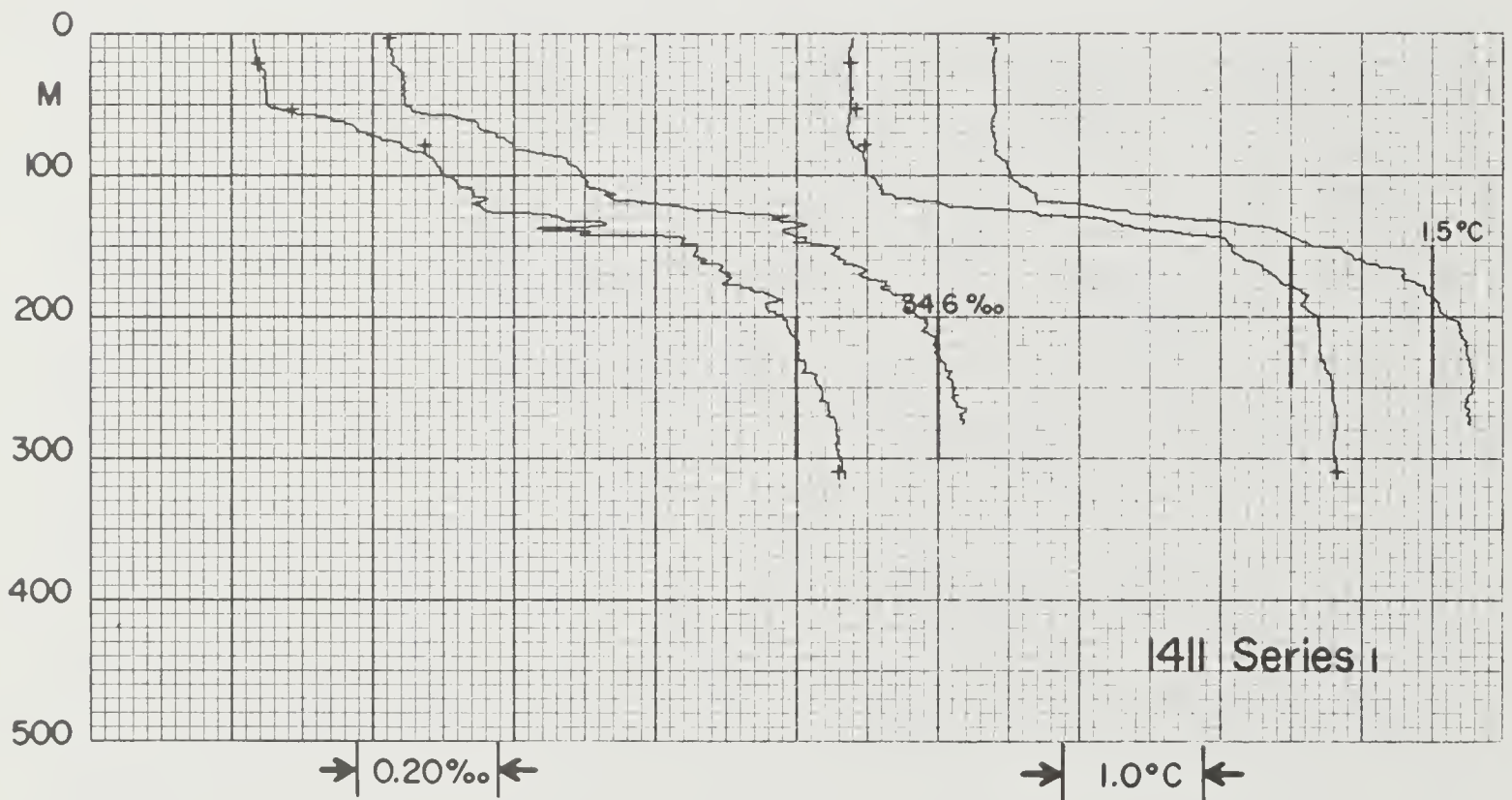
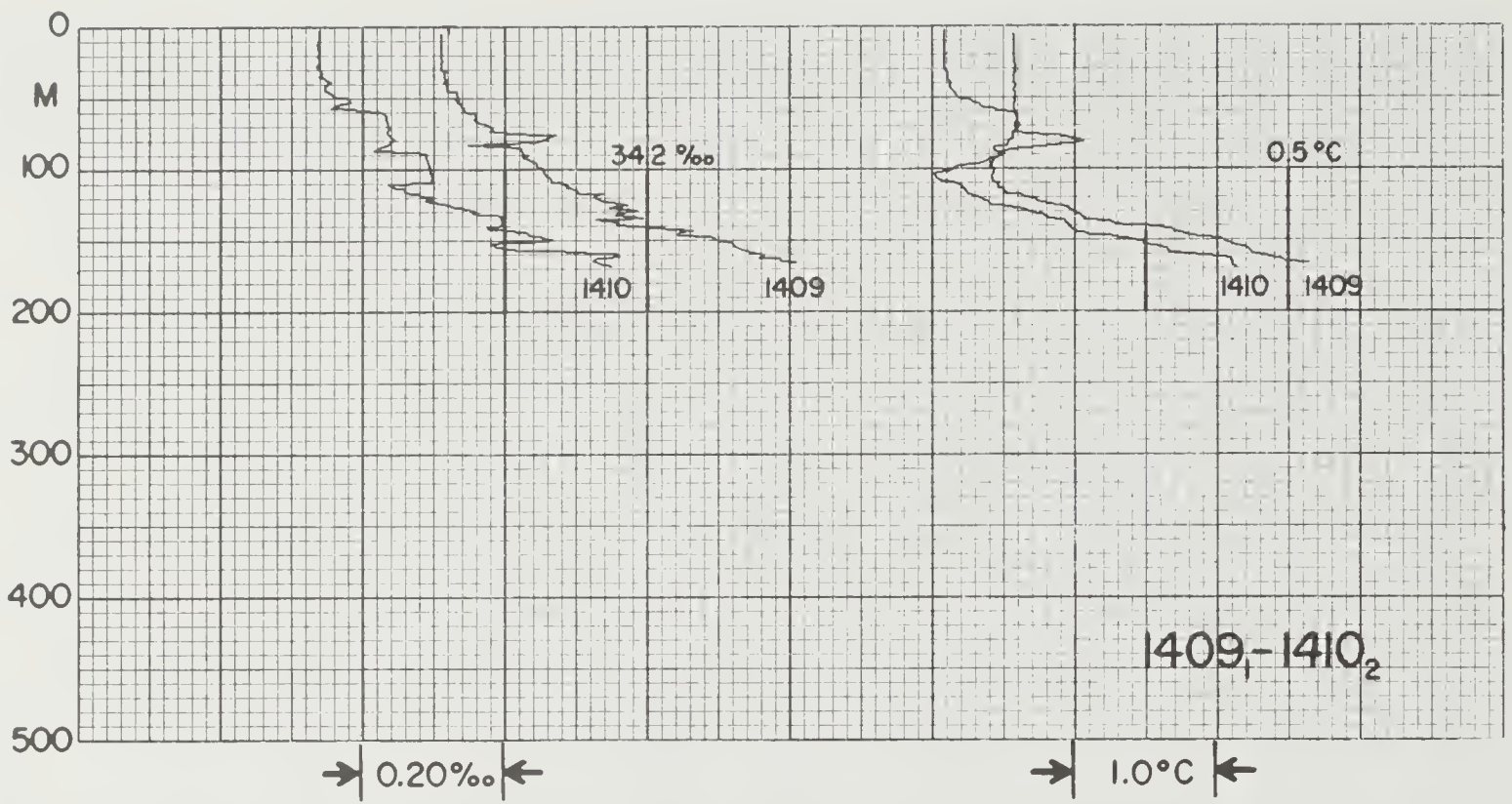


| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|----|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|-----|
| EL 50 | 1406 | 0 | | 23 | 11 | 71 | 7.9 | 5756.8S | 10501.6E | 505 | 4480 | -0.4 | | 286 | 284 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | |
| OBS | 1 | -0.47 | 34.046 | | | 27.38 | | | 1445.8 | 814 | | | 33 | | | |
| OBS | 33 | -0.52 | 34.039 | | | 27.38 | | | 1446.1 | 822 | | | 35 | | | |
| OBS | 65 | -0.56 | 34.040 | | | 27.38 | | | 1446.5 | 818 | | | 35 | | | |
| OBS | 107 | -0.69 | 34.052 | | | 27.39 | | | 1446.6 | 809 | | | 35 | | | |
| OBS | 138 | -0.75 | 34.139 | | | 27.47 | | | 1446.9 | 700 | | | 43 | | | |
| OBS | 169 | 0.17 | 34.268 | | | 27.53 | | | 1451.8 | 644 | | | 53 | | | |
| OBS | 210 | 1.61 | 34.509 | | | 27.63 | | | 1459.3 | 460 | | | 73 | | | |
| OBS | 310 | 1.79 | 34.617 | | | 27.70 | | | 1461.9 | 430 | | | 80 | | | |
| OBS | 410 | 1.87 | 34.670 | | | 27.74 | | | 1464.0 | 438 | | | 83 | | | |
| OBS | 610 | 1.79 | 34.714 | | | 27.78 | | | 1467.0 | 442 | | | 85 | | | |
| OBS | 810 | 1.68 | 34.729 | | | 27.80 | | | 1469.9 | 449 | | | 89 | | | |
| OBS | 1013 | 1.53 | 34.736 | | | 27.82 | | | 1472.6 | 462 | | | 93 | | | |
| OBS | 1248 | 1.28 | 34.734 | | | 27.83 | | | 1475.4 | 474 | | | 102 | | | |
| OBS | 1533 | 1.07 | 34.725 | | | 27.84 | | | 1479.3 | 478 | | | 108 | | | |
| OBS | 1823 | 0.82 | 34.713 | | | 27.85 | | | 1483.1 | 479 | | | 115 | | | |
| OBS | 2117 | 0.60 | 34.701 | | | 27.85 | | | 1487.1 | 486 | | | 121 | | | |
| OBS | 2511 | 0.38 | 34.689 | | | 27.86 | | | 1492.8 | 505 | | | 125 | | | |
| OBS | 2909 | 0.16 | 34.680 | | | 27.86 | | | 1498.7 | 518 | | | 129 | | | |
| OBS | 3311 | 0.02 | 34.676 | | | 27.86 | | | 1505.1 | 531 | | | 125 | | | |
| OBS | 3613 | -0.06 | 34.676 | | | 27.87 | | | 1510.0 | 543 | | | 129 | | | |
| OBS | 3916 | -0.13 | 34.674 | | | 27.87 | | | 1515.1 | 525 | | | 126 | | | |
| OBS | 4215 | -0.15 | 34.678 | | | 27.87 | | | 1520.3 | 547 | | | 125 | | | |
| OBS | 4417 | -0.16 | 34.686 | | | 27.88 | | | 1523.8 | 551 | | | | | | |
| ISL | 0 | -0.47 | 34.046 | | | 27.38 | 70.64 | 0.000 | 1445.8 | | | | | | | |
| ISL | 10 | -0.48 | 34.043 | | | 27.38 | 70.76 | 0.007 | 1445.9 | | | | | | | |
| ISL | 20 | -0.50 | 34.041 | | | 27.38 | 70.85 | 0.014 | 1446.0 | | | | | | | |
| ISL | 30 | -0.52 | 34.039 | | | 27.38 | 70.87 | 0.021 | 1446.1 | | | | | | | |
| ISL | 50 | -0.54 | 34.039 | | | 27.38 | 70.75 | 0.035 | 1446.3 | | | | | | | |
| ISL | 75 | -0.59 | 34.042 | | | 27.38 | 70.26 | 0.053 | 1446.5 | | | | | | | |
| ISL | 100 | -0.67 | 34.045 | | | 27.39 | 69.61 | 0.071 | 1446.5 | | | | | | | |
| ISL | 125 | -0.74 | 34.095 | | | 27.43 | 65.39 | 0.087 | 1446.7 | | | | | | | |
| ISL | 150 | -0.46 | 34.184 | | | 27.49 | 59.81 | 0.103 | 1448.5 | | | | | | | |
| ISL | 200 | 1.24 | 34.452 | | | 27.61 | 49.35 | 0.130 | 1457.5 | | | | | | | |
| ISL | 250 | 1.71 | 34.571 | | | 27.67 | 43.95 | 0.154 | 1460.5 | | | | | | | |
| ISL | 300 | 1.78 | 34.609 | | | 27.70 | 41.79 | 0.175 | 1461.7 | | | | | | | |
| ISL | 400 | 1.87 | 34.666 | | | 27.74 | 38.61 | 0.215 | 1463.8 | | | | | | | |
| ISL | 500 | 1.84 | 34.699 | | | 27.76 | 36.37 | 0.253 | 1465.4 | | | | | | | |
| ISL | 600 | 1.79 | 34.713 | | | 27.78 | 35.38 | 0.289 | 1466.9 | | | | | | | |
| ISL | 700 | 1.74 | 34.723 | | | 27.79 | 34.51 | 0.324 | 1468.3 | | | | | | | |
| ISL | 800 | 1.69 | 34.728 | | | 27.80 | 34.01 | 0.358 | 1469.7 | | | | | | | |
| ISL | 900 | 1.62 | 34.733 | | | 27.81 | 33.45 | 0.392 | 1471.1 | | | | | | | |
| ISL | 1000 | 1.54 | 34.736 | | | 27.82 | 32.85 | 0.425 | 1472.4 | | | | | | | |
| ISL | 1100 | 1.44 | 34.736 | | | 27.82 | 32.20 | 0.457 | 1473.7 | | | | | | | |
| ISL | 1200 | 1.33 | 34.735 | | | 27.83 | 31.48 | 0.489 | 1474.8 | | | | | | | |
| ISL | 1300 | 1.24 | 34.733 | | | 27.84 | 31.08 | 0.520 | 1476.1 | | | | | | | |
| ISL | 1400 | 1.17 | 34.730 | | | 27.84 | 30.88 | 0.551 | 1477.5 | | | | | | | |
| ISL | 1500 | 1.10 | 34.726 | | | 27.84 | 30.64 | 0.582 | 1478.8 | | | | | | | |
| ISL | 1750 | 0.88 | 34.716 | | | 27.85 | 29.67 | 0.658 | 1482.1 | | | | | | | |
| ISL | 2000 | 0.68 | 34.706 | | | 27.85 | 28.71 | 0.730 | 1485.4 | | | | | | | |
| ISL | 2250 | 0.52 | 34.696 | | | 27.85 | 27.88 | 0.801 | 1489.0 | | | | | | | |
| ISL | 2500 | 0.39 | 34.689 | | | 27.86 | 26.97 | 0.870 | 1492.7 | | | | | | | |
| ISL | 2750 | 0.25 | 34.683 | | | 27.86 | 25.86 | 0.936 | 1496.3 | | | | | | | |
| ISL | 3000 | 0.12 | 34.679 | | | 27.86 | 24.64 | 0.999 | 1500.1 | | | | | | | |
| ISL | 3250 | 0.04 | 34.676 | | | 27.86 | 23.70 | 1.059 | 1504.1 | | | | | | | |
| ISL | 3500 | -0.03 | 34.676 | | | 27.87 | 22.66 | 1.117 | 1508.2 | | | | | | | |
| ISL | 3750 | -0.09 | 34.675 | | | 27.87 | 21.73 | 1.173 | 1512.3 | | | | | | | |
| ISL | 4000 | -0.14 | 34.674 | | | 27.87 | 21.04 | 1.226 | 1516.5 | | | | | | | |



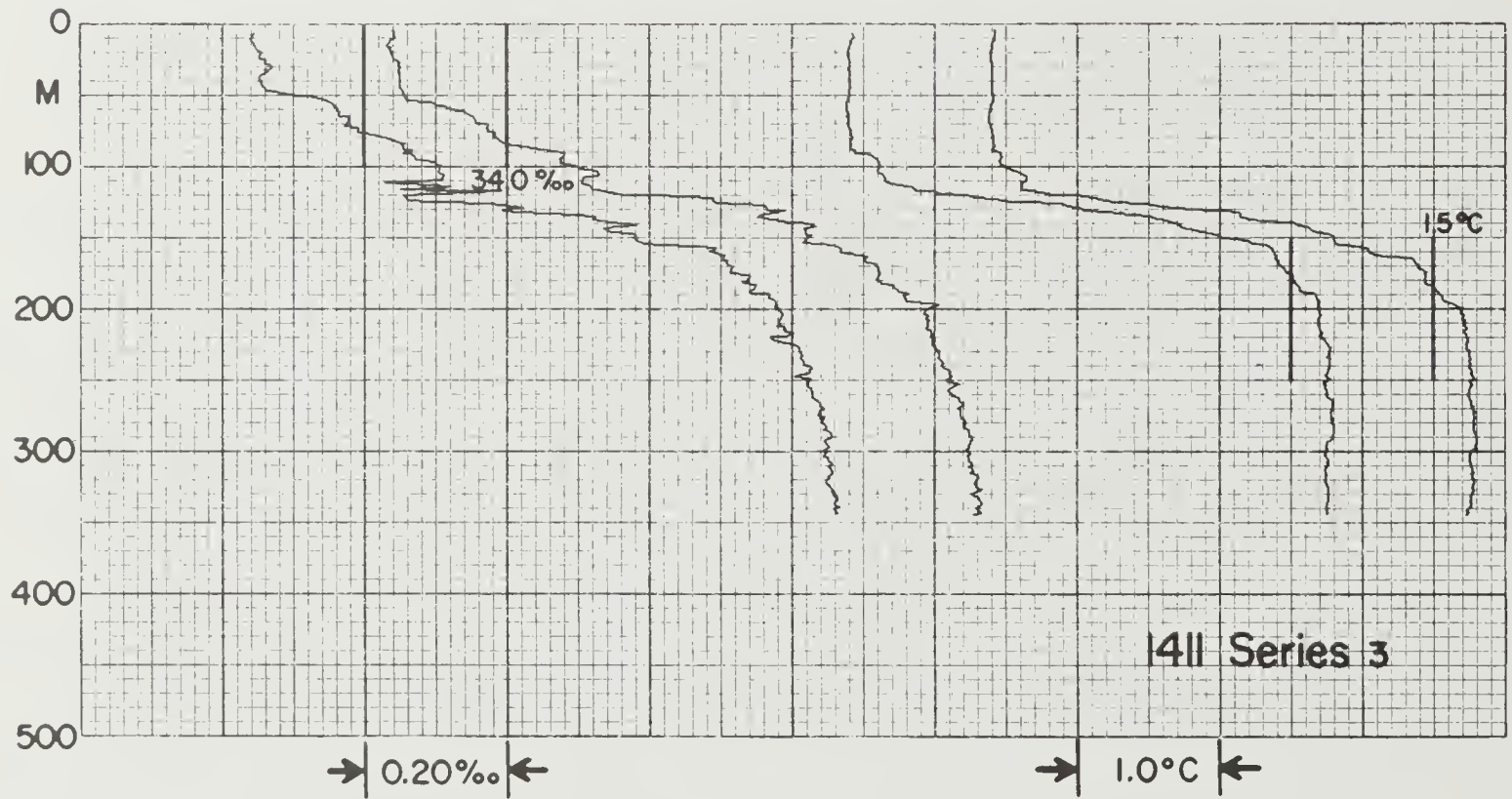
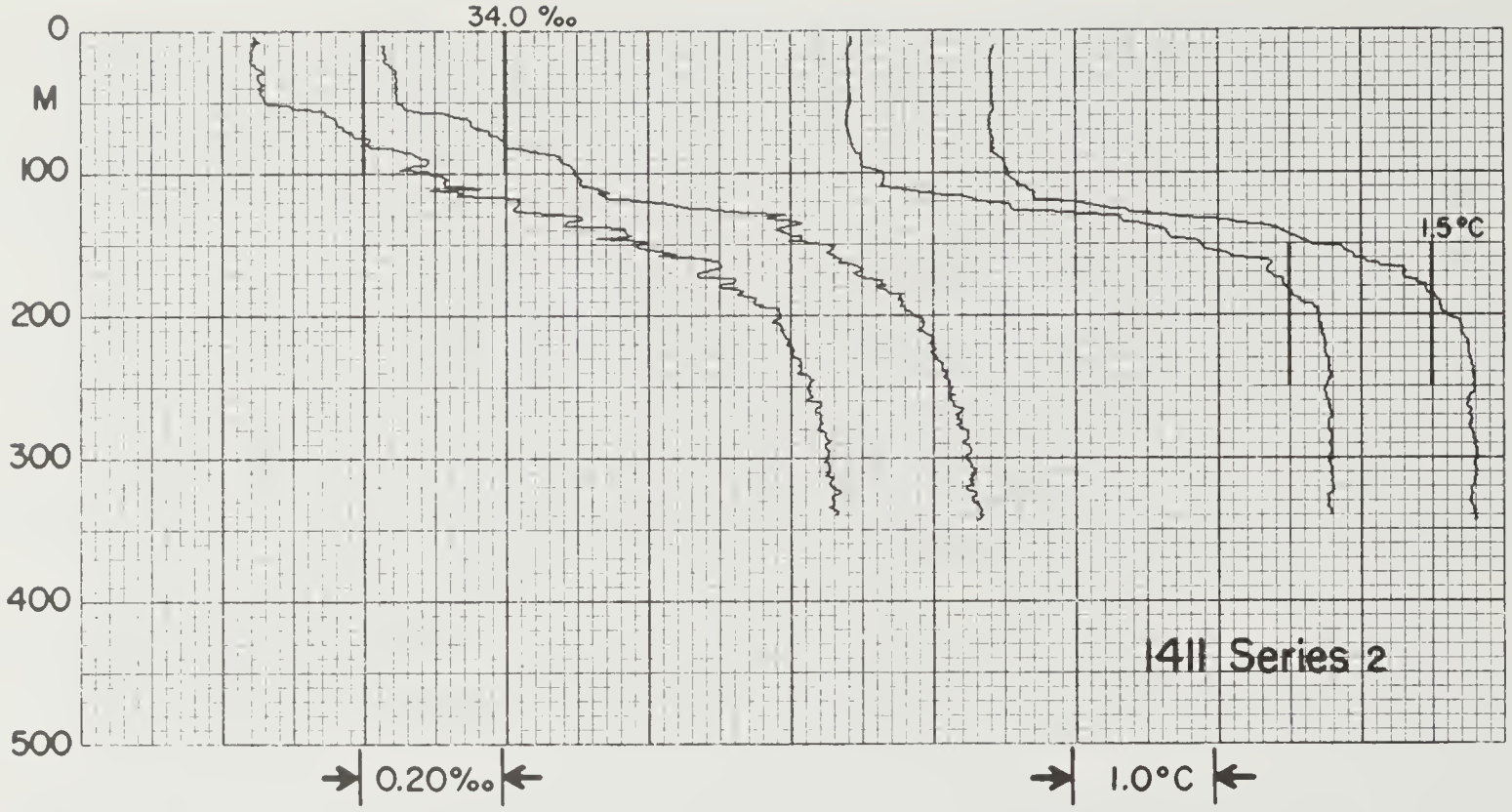
1407₁-1408₂

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1407 | 1 | 1 | 24 | 11 | 71 | 8.8 | 6000.5S | 10500.0E | 541 | 4277 | -2.3 | | 286 | 274 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CCM1 | 51 | | | 34.064 | | | | | | | 799 | | | | | |
| CCM1 | 497 | 1.78 | | 34.699 | | 27.77 | | | | | 445 | | | | | |
| CCM1 | 2760 | 0.12 | | 34.680 | | 27.86 | | | | | 526 | | | | | |
| STD | 0 | -1.03 | | 33.940 | | 27.32 | | 76.68 | 0.000 | 1443.1 | | | | | | |
| STD | 10 | -1.03 | | 33.940 | | 27.32 | | 76.59 | 0.008 | 1443.2 | | | | | | |
| STD | 20 | -1.02 | | 33.939 | | 27.32 | | 76.64 | 0.015 | 1443.4 | | | | | | |
| STD | 30 | -0.87 | | 33.961 | | 27.33 | | 75.46 | 0.023 | 1444.3 | | | | | | |
| STD | 50 | -0.45 | | 34.059 | | 27.39 | | 69.62 | 0.037 | 1446.7 | | | | | | |
| STD | 75 | -0.46 | | 34.062 | | 27.39 | | 69.21 | 0.055 | 1447.1 | | | | | | |
| STD | 100 | -0.57 | | 34.079 | | 27.41 | | 67.42 | 0.072 | 1447.1 | | | | | | |
| STD | 125 | -0.55 | | 34.166 | | 27.48 | | 60.81 | 0.088 | 1447.7 | | | | | | |
| STD | 150 | -0.15 | | 34.257 | | 27.54 | | 55.72 | 0.102 | 1450.0 | | | | | | |
| STD | 200 | 1.53 | | 34.509 | | 27.64 | | 47.09 | 0.128 | 1458.8 | | | | | | |
| STD | 250 | 1.75 | | 34.597 | | 27.69 | | 42.24 | 0.150 | 1460.7 | | | | | | |
| STD | 300 | 1.78 | | 34.639 | | 27.72 | | 39.53 | 0.171 | 1461.7 | | | | | | |
| STD | 400 | 1.77 | | 34.687 | | 27.76 | | 36.28 | 0.209 | 1463.4 | | | | | | |
| STD | 500 | 1.77 | | 34.703 | | 27.77 | | 35.50 | 0.245 | 1465.1 | | | | | | |
| STD | 600 | 1.71 | | 34.721 | | 27.79 | | 34.07 | 0.280 | 1466.5 | | | | | | |
| STD | 700 | 1.64 | | 34.729 | | 27.80 | | 33.24 | 0.313 | 1467.9 | | | | | | |
| STD | 800 | 1.61 | | 34.737 | | 27.81 | | 32.68 | 0.346 | 1469.4 | | | | | | |
| STD | 900 | 1.50 | | 34.740 | | 27.82 | | 31.84 | 0.378 | 1470.7 | | | | | | |
| STD | 1000 | 1.41 | | 34.738 | | 27.83 | | 31.46 | 0.410 | 1471.9 | | | | | | |
| STD | 1100 | 1.35 | | 34.737 | | 27.83 | | 31.22 | 0.441 | 1473.3 | | | | | | |
| STD | 1200 | 1.24 | | 34.729 | | 27.83 | | 31.05 | 0.473 | 1474.5 | | | | | | |
| STD | 1300 | 1.16 | | 34.728 | | 27.84 | | 30.67 | 0.503 | 1475.8 | | | | | | |
| STD | 1400 | 1.10 | | 34.725 | | 27.84 | | 30.54 | 0.534 | 1477.3 | | | | | | |
| STD | 1500 | 1.01 | | 34.720 | | 27.84 | | 30.21 | 0.564 | 1478.5 | | | | | | |
| STD | 1750 | 0.79 | | 34.709 | | 27.85 | | 29.30 | 0.639 | 1481.8 | | | | | | |
| STD | 2000 | 0.57 | | 34.695 | | 27.85 | | 28.29 | 0.711 | 1485.1 | | | | | | |
| STD | 2250 | 0.40 | | 34.687 | | 27.85 | | 27.19 | 0.780 | 1488.6 | | | | | | |
| STD | 2500 | 0.27 | | 34.682 | | 27.86 | | 26.15 | 0.847 | 1492.3 | | | | | | |
| STD | 2750 | 0.12 | | 34.677 | | 27.86 | | 24.74 | 0.910 | 1495.9 | | | | | | |
| STD | 3000 | 0.04 | | 34.677 | | 27.86 | | 23.72 | 0.971 | 1499.9 | | | | | | |
| STD | 3250 | -0.03 | | 34.675 | | 27.87 | | 22.90 | 1.029 | 1504.0 | | | | | | |
| STD | 3500 | -0.09 | | 34.676 | | 27.87 | | 21.86 | 1.085 | 1508.1 | | | | | | |
| STD | 3750 | -0.15 | | 34.676 | | 27.87 | | 20.84 | 1.139 | 1512.3 | | | | | | |
| STD | 4000 | -0.18 | | 34.676 | | 27.87 | | 20.27 | 1.190 | 1516.6 | | | | | | |
| STD | 4198 | -0.19 | | 34.677 | | 27.88 | | 19.99 | 1.230 | 1520.1 | | | | | | |
| CCM2 | 3484 | -0.09 | | 34.677 | | 27.87 | | | | | 540 | | | | | |
| CCM2 | 4183 | -0.18 | | 34.677 | | 27.88 | | | | | 565 | | | | | |



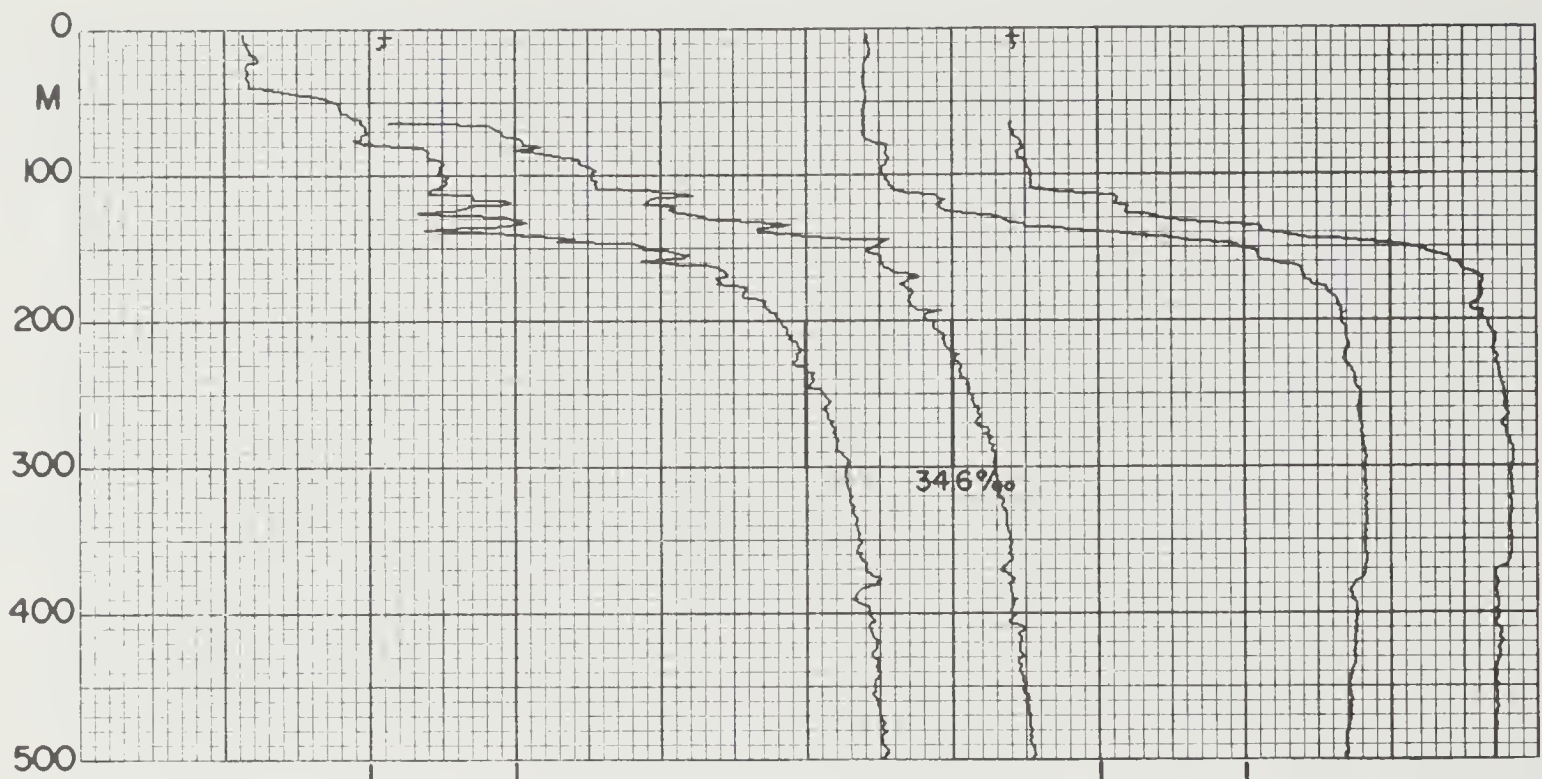
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1409 | 1 | 1 | 24 | 11 | 71 | 14.8 | 6026.5S | 10504.4E | 541 | 4334 | -1.8 | | 266 | 253 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CBS1 | 1 | | | 33.923 | | | | | | | | | | | | |
| STD | 0 | -1.42 | | 33.912 | | 27.31 | | 77.64 | 0.000 | 1441.2 | | | | | | |
| STD | 10 | -1.42 | | 33.912 | | 27.31 | | 77.56 | 0.008 | 1441.4 | | | | | | |
| STD | 20 | -1.42 | | 33.912 | | 27.31 | | 77.47 | 0.016 | 1441.5 | | | | | | |
| STD | 30 | -1.41 | | 33.912 | | 27.31 | | 77.44 | 0.023 | 1441.7 | | | | | | |
| STD | 50 | -1.41 | | 33.935 | | 27.32 | | 75.64 | 0.039 | 1442.1 | | | | | | |
| STD | 75 | -1.42 | | 33.992 | | 27.37 | | 71.10 | 0.057 | 1442.5 | | | | | | |
| STD | 100 | -1.57 | | 34.053 | | 27.42 | | 65.86 | 0.074 | 1442.3 | | | | | | |
| STD | 125 | -1.17 | | 34.161 | | 27.50 | | 58.70 | 0.090 | 1444.8 | | | | | | |
| STD | 150 | 0.05 | | 34.298 | | 27.56 | | 53.62 | 0.104 | 1451.0 | | | | | | |
| STD | 166 | 0.65 | | 34.411 | | 27.62 | | 48.54 | 0.112 | 1454.2 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1411 | 1 | 1 | 25 | 11 | 71 | 3.7 | 6120.8S | 10525.2E | 541 | 4361 | -2.4 | | 303 | 0 | 1 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| COM1 | 4 | -1.59 | | 33.826 | | 27.24 | | | | | 820 | | | | | 37 |
| STD | 0 | -1.57 | | 33.829 | | 27.24 | | 83.60 | 0.000 | 1440.4 | | | | | | |
| STD | 10 | -1.57 | | 33.829 | | 27.24 | | 83.54 | 0.008 | 1440.5 | | | | | | |
| STD | 20 | -1.59 | | 33.831 | | 27.25 | | 83.32 | 0.017 | 1440.6 | | | | | | |
| STD | 30 | -1.58 | | 33.845 | | 27.26 | | 82.15 | 0.025 | 1440.8 | | | | | | |
| STD | 50 | -1.58 | | 33.849 | | 27.26 | | 81.73 | 0.041 | 1441.2 | | | | | | |
| STD | 75 | -1.58 | | 33.990 | | 27.37 | | 70.75 | 0.060 | 1441.8 | | | | | | |
| STD | 100 | -1.46 | | 34.097 | | 27.46 | | 62.76 | 0.077 | 1442.9 | | | | | | |
| STD | 125 | -0.69 | | 34.272 | | 27.57 | | 52.13 | 0.091 | 1447.2 | | | | | | |
| STD | 150 | 0.69 | | 34.450 | | 27.64 | | 45.74 | 0.104 | 1454.1 | | | | | | |
| STD | 200 | 1.61 | | 34.576 | | 27.68 | | 42.63 | 0.126 | 1459.3 | | | | | | |
| STD | 250 | 1.79 | | 34.625 | | 27.71 | | 40.53 | 0.147 | 1461.0 | | | | | | |
| STD | 276 | 1.78 | | 34.637 | | 27.72 | | 39.58 | 0.157 | 1461.3 | | | | | | |
| COM2 | 22 | -1.60 | | 33.841 | | 27.25 | | | | | 818 | | | | | 39 |
| COM2 | 54 | -1.56 | | 33.888 | | 27.29 | | | | | 818 | | | | | 41 |
| COM2 | 79 | -1.50 | | 34.076 | | 27.44 | | | | | 777 | | | | | 43 |
| COM2 | 310 | 1.84 | | 34.663 | | 27.74 | | | | | 430 | | | | | 83 |



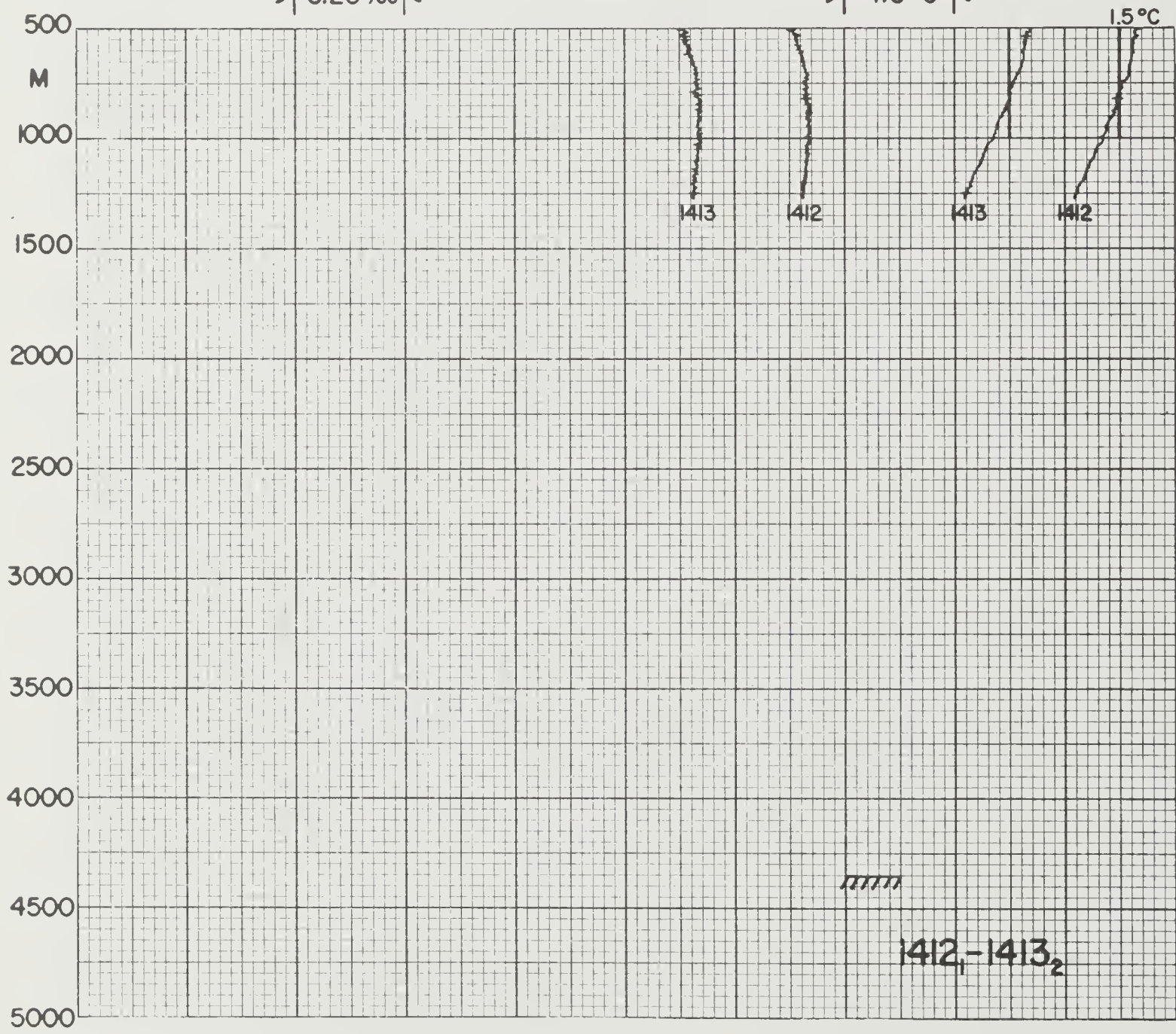
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1411 | 1 | 1 | 25 | 11 | 71 | 4.6 | 6120.8S | 10526.3E | 541 | 4361 | -2.2 | | 303 | 0 | 2 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| STD | 0 | -1.57 | | 33.829 | | 27.24 | | 83.60 | 0.000 | 1440.4 | | | | | | |
| STD | 10 | -1.57 | | 33.829 | | 27.24 | | 83.54 | 0.008 | 1440.5 | | | | | | |
| STD | 20 | -1.59 | | 33.831 | | 27.25 | | 83.32 | 0.017 | 1440.6 | | | | | | |
| STD | 30 | -1.58 | | 33.845 | | 27.26 | | 82.15 | 0.025 | 1440.8 | | | | | | |
| STD | 50 | -1.58 | | 33.849 | | 27.26 | | 81.73 | 0.041 | 1441.2 | | | | | | |
| STD | 75 | -1.58 | | 33.990 | | 27.37 | | 70.75 | 0.060 | 1441.8 | | | | | | |
| STD | 100 | -1.46 | | 34.097 | | 27.46 | | 62.76 | 0.077 | 1442.9 | | | | | | |
| STD | 125 | -0.69 | | 34.272 | | 27.57 | | 52.13 | 0.091 | 1447.2 | | | | | | |
| STD | 150 | 0.69 | | 34.450 | | 27.64 | | 45.74 | 0.104 | 1454.1 | | | | | | |
| STD | 200 | 1.61 | | 34.576 | | 27.68 | | 42.63 | 0.126 | 1459.3 | | | | | | |
| STD | 250 | 1.79 | | 34.625 | | 27.71 | | 40.53 | 0.147 | 1461.0 | | | | | | |
| STD | 300 | 1.83 | | 34.649 | | 27.73 | | 39.20 | 0.167 | 1462.0 | | | | | | |
| STD | 344 | 1.80 | | 34.663 | | 27.74 | | 38.11 | 0.184 | 1462.6 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1411 | 1 | 1 | 25 | 11 | 71 | 5.2 | 6120.9S | 10527.2E | 541 | 4361 | -2.1 | | 303 | 0 | 3 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| STD | 0 | -1.56 | | 33.842 | | 27.25 | | 82.61 | 0.000 | 1440.4 | | | | | | |
| STD | 10 | -1.57 | | 33.846 | | 27.26 | | 82.28 | 0.008 | 1440.6 | | | | | | |
| STD | 20 | -1.59 | | 33.839 | | 27.25 | | 82.64 | 0.016 | 1440.6 | | | | | | |
| STD | 30 | -1.58 | | 33.851 | | 27.26 | | 81.67 | 0.025 | 1440.8 | | | | | | |
| STD | 50 | -1.58 | | 33.857 | | 27.27 | | 81.10 | 0.041 | 1441.2 | | | | | | |
| STD | 75 | -1.58 | | 33.978 | | 27.36 | | 71.67 | 0.060 | 1441.8 | | | | | | |
| STD | 100 | -1.49 | | 34.101 | | 27.46 | | 62.39 | 0.077 | 1442.8 | | | | | | |
| STD | 125 | -0.73 | | 34.298 | | 27.59 | | 50.00 | 0.091 | 1447.0 | | | | | | |
| STD | 150 | 0.81 | | 34.422 | | 27.61 | | 48.67 | 0.103 | 1454.7 | | | | | | |
| STD | 200 | 1.71 | | 34.592 | | 27.69 | | 42.13 | 0.126 | 1459.7 | | | | | | |
| STD | 250 | 1.78 | | 34.621 | | 27.71 | | 40.72 | 0.147 | 1460.9 | | | | | | |
| STD | 300 | 1.78 | | 34.649 | | 27.73 | | 38.77 | 0.167 | 1461.8 | | | | | | |
| STD | 345 | 1.75 | | 34.658 | | 27.74 | | 38.09 | 0.184 | 1462.4 | | | | | | |



→ 0.20‰ ←

→ 1.0°C ←



1.5°C

1413

1412

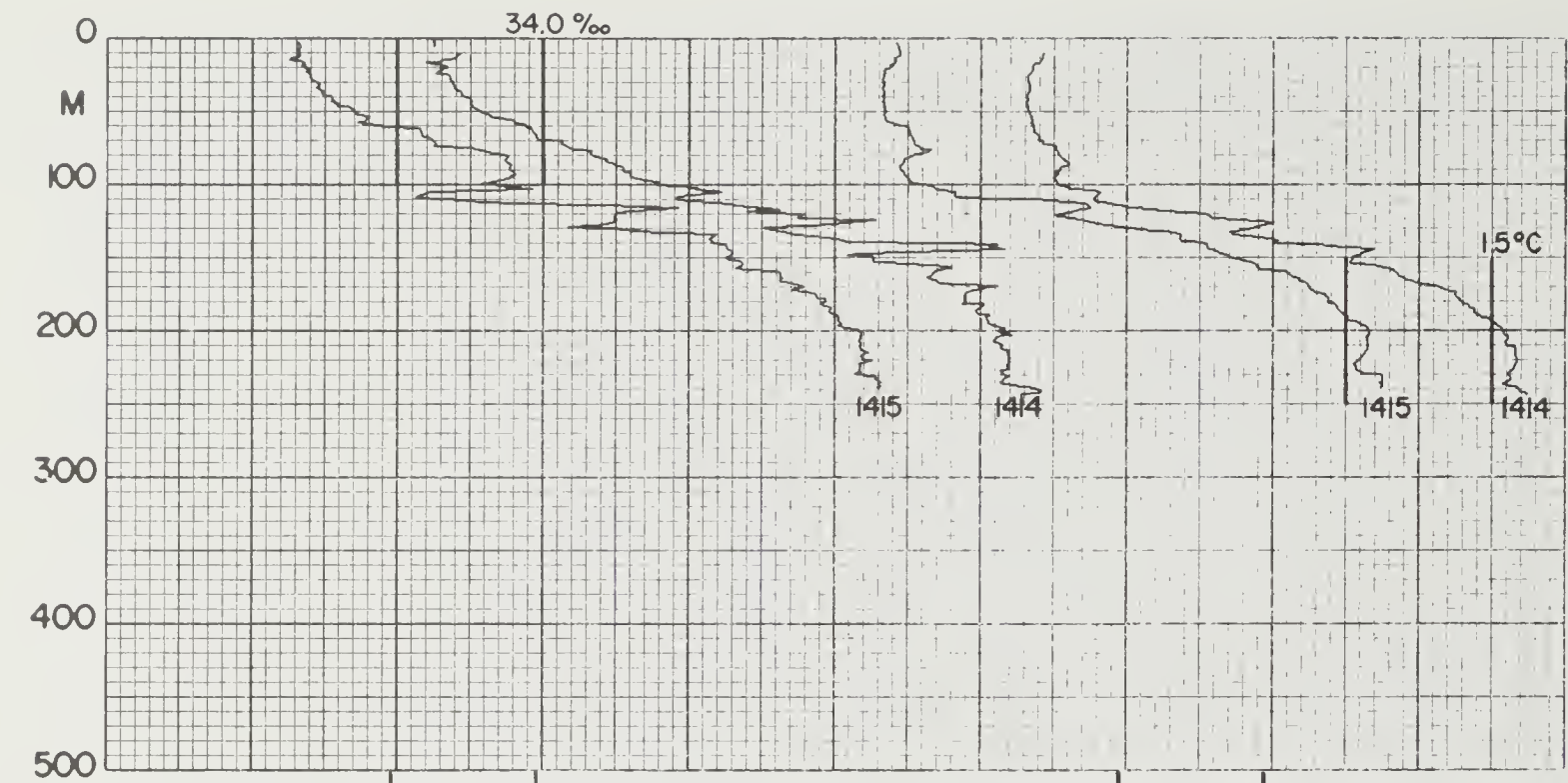
1413

1412

1412₁-1413₂

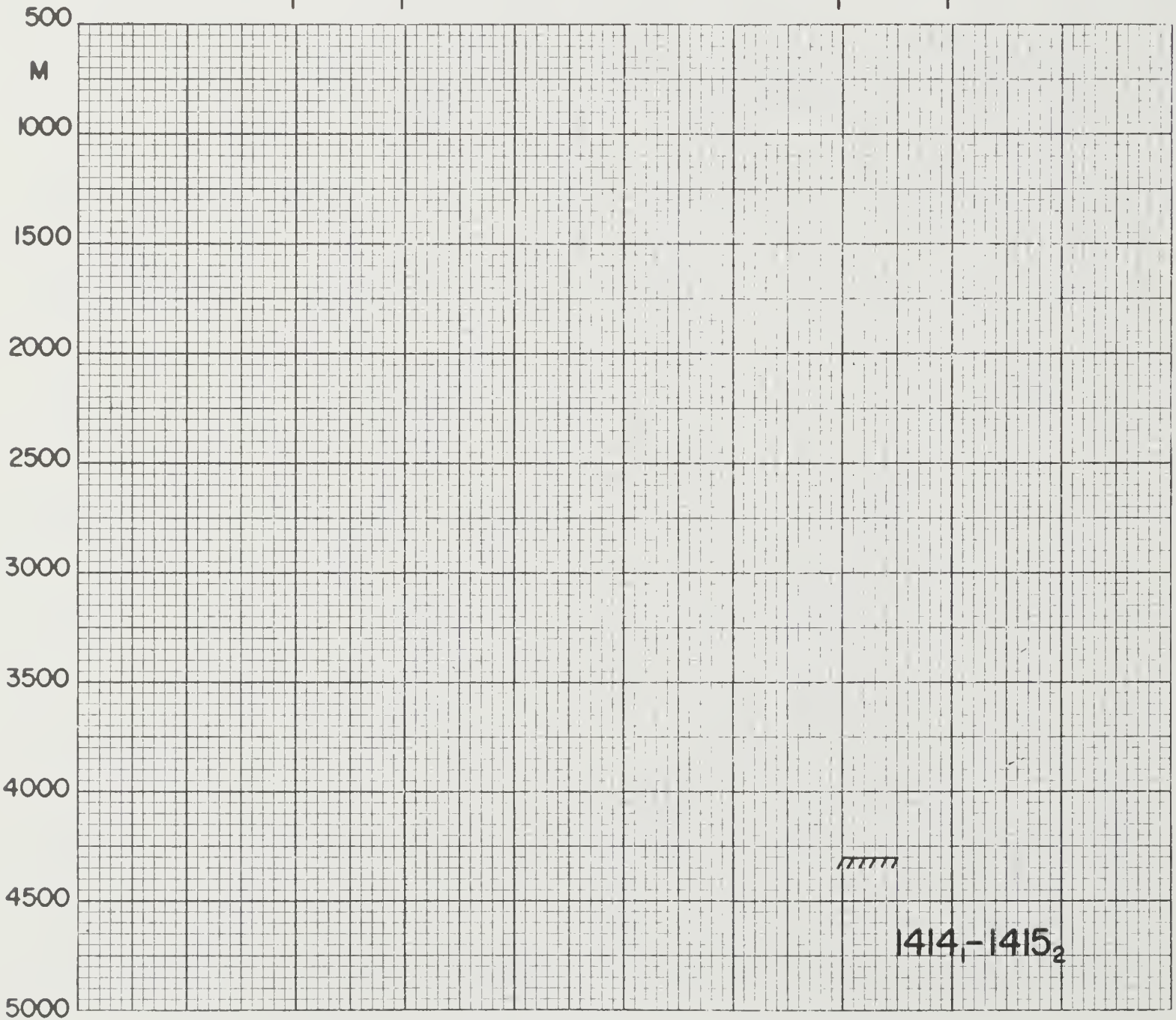
TTTTT

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1412 | 1 | 1 | 25 | 11 | 71 | 13.0 | 6123.0S | 10531.9E | 541 | 4354 | -2.5 | | 33 | 0 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| COM1 | 6 | -1.57 | | 33.823 | | 27.24 | | | | | 877 | | | 38 | | |
| COM1 | 821 | 1.50 | | 34.733 | | 27.82 | | | | | 528Q | | | 92 | | |
| STD | 0 | -1.55 | | 33.825 | | 27.24 | | 83.97 | 0.000 | 1440.5 | | | | | | |
| STD | 10 | -1.55 | | 33.825 | | 27.24 | | 83.90 | 0.008 | 1440.6 | | | | | | |
| STD | 20 | -1.57 | | 33.820 | | 27.24 | | 84.17 | 0.017 | 1440.7 | | | | | | |
| STD | 30 | -1.57 | | 33.822 | | 27.24 | | 83.95 | 0.025 | 1440.8 | | | | | | |
| STD | 50 | -1.58 | | 33.826 | | 27.24 | | 83.49 | 0.042 | 1441.2 | | | | | | |
| STD | 75 | -1.54 | | 34.008 | | 27.39 | | 69.53 | 0.061 | 1442.0 | | | | | | |
| STD | 100 | -1.46 | | 34.109 | | 27.47 | | 61.88 | 0.078 | 1443.0 | | | | | | |
| STD | 125 | -0.79 | | 34.222 | | 27.54 | | 55.47 | 0.092 | 1446.6 | | | | | | |
| STD | 150 | 1.18 | | 34.490 | | 27.64 | | 45.94 | 0.105 | 1456.4 | | | | | | |
| STD | 200 | 1.67 | | 34.575 | | 27.68 | | 43.11 | 0.127 | 1459.5 | | | | | | |
| STD | 250 | 1.79 | | 34.626 | | 27.71 | | 40.36 | 0.148 | 1460.9 | | | | | | |
| STD | 300 | 1.84 | | 34.659 | | 27.73 | | 38.50 | 0.168 | 1462.1 | | | | | | |
| STD | 400 | 1.76 | | 34.683 | | 27.76 | | 36.44 | 0.205 | 1463.4 | | | | | | |
| STD | 500 | 1.71 | | 34.709 | | 27.78 | | 34.52 | 0.241 | 1464.9 | | | | | | |
| STD | 600 | 1.63 | | 34.720 | | 27.80 | | 33.38 | 0.275 | 1466.2 | | | | | | |
| STD | 700 | 1.60 | | 34.732 | | 27.81 | | 32.63 | 0.308 | 1467.7 | | | | | | |
| STD | 800 | 1.52 | | 34.738 | | 27.82 | | 31.89 | 0.340 | 1469.1 | | | | | | |
| STD | 900 | 1.46 | | 34.738 | | 27.82 | | 31.58 | 0.372 | 1470.4 | | | | | | |
| STD | 1000 | 1.36 | | 34.741 | | 27.83 | | 30.82 | 0.403 | 1471.7 | | | | | | |
| STD | 1100 | 1.27 | | 34.734 | | 27.84 | | 30.71 | 0.434 | 1473.0 | | | | | | |
| STD | 1200 | 1.18 | | 34.728 | | 27.84 | | 30.53 | 0.464 | 1474.2 | | | | | | |
| STD | 1274 | 1.11 | | 34.728 | | 27.84 | | 30.11 | 0.487 | 1475.2 | | | | | | |
| CCM2 | 538 | 1.67 | | 34.712 | | 27.79 | | | | | 517Q | | | | | 86 |
| CCM2 | 1251 | 1.12 | | 34.731 | | 27.84 | | | | | 539Q | | | | | 104 |

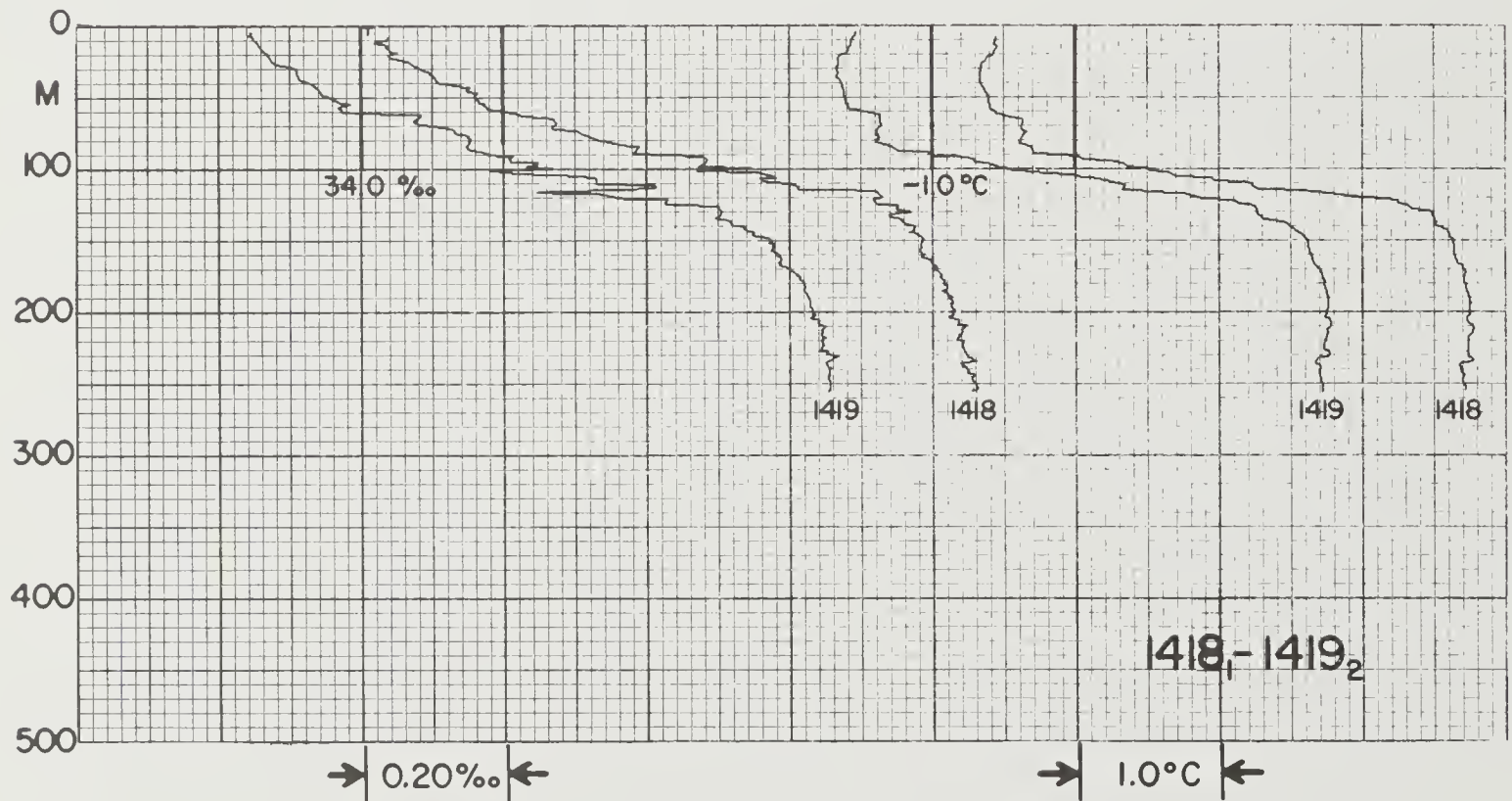


→ 0.20 ‰ ←

→ 1.0°C ←

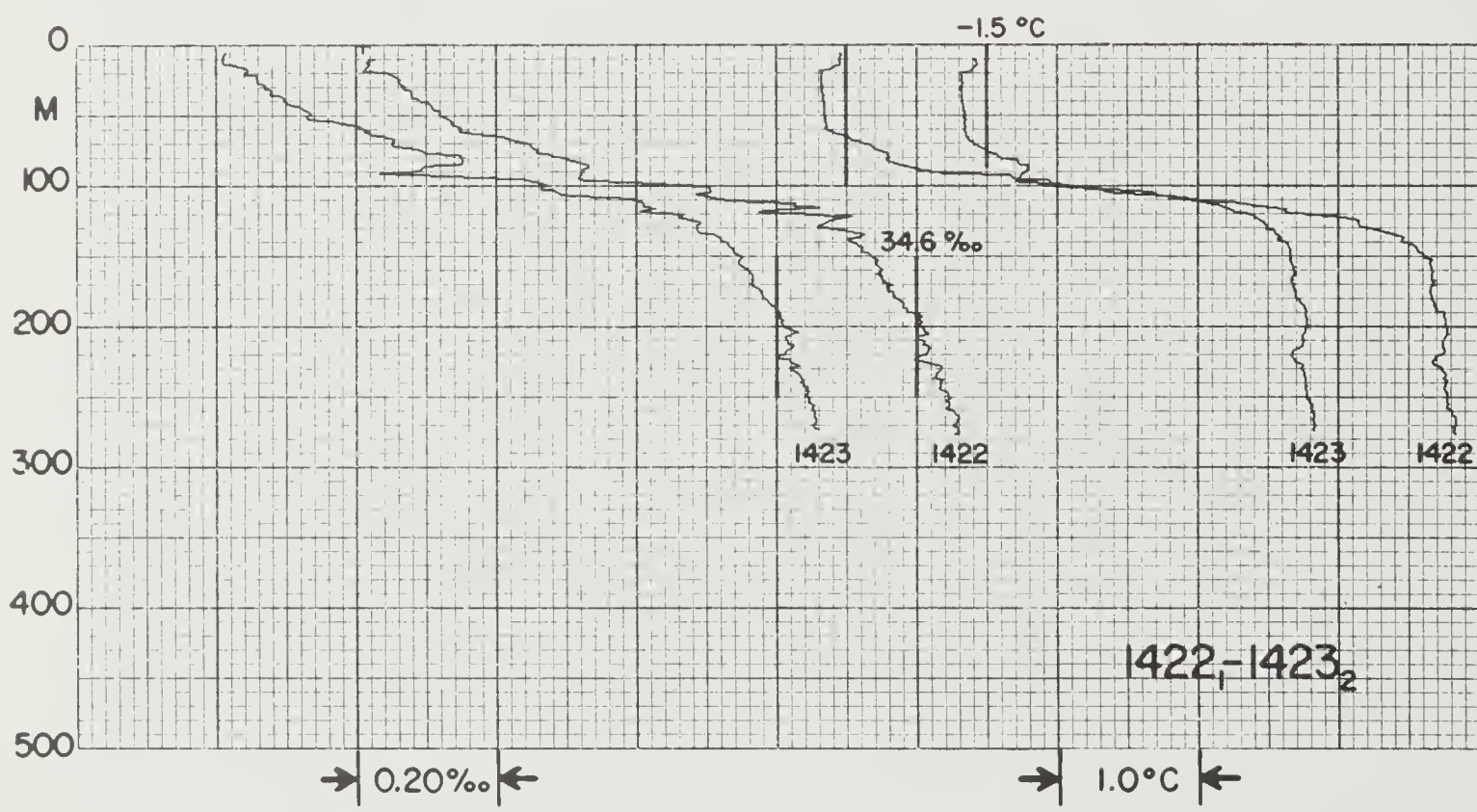
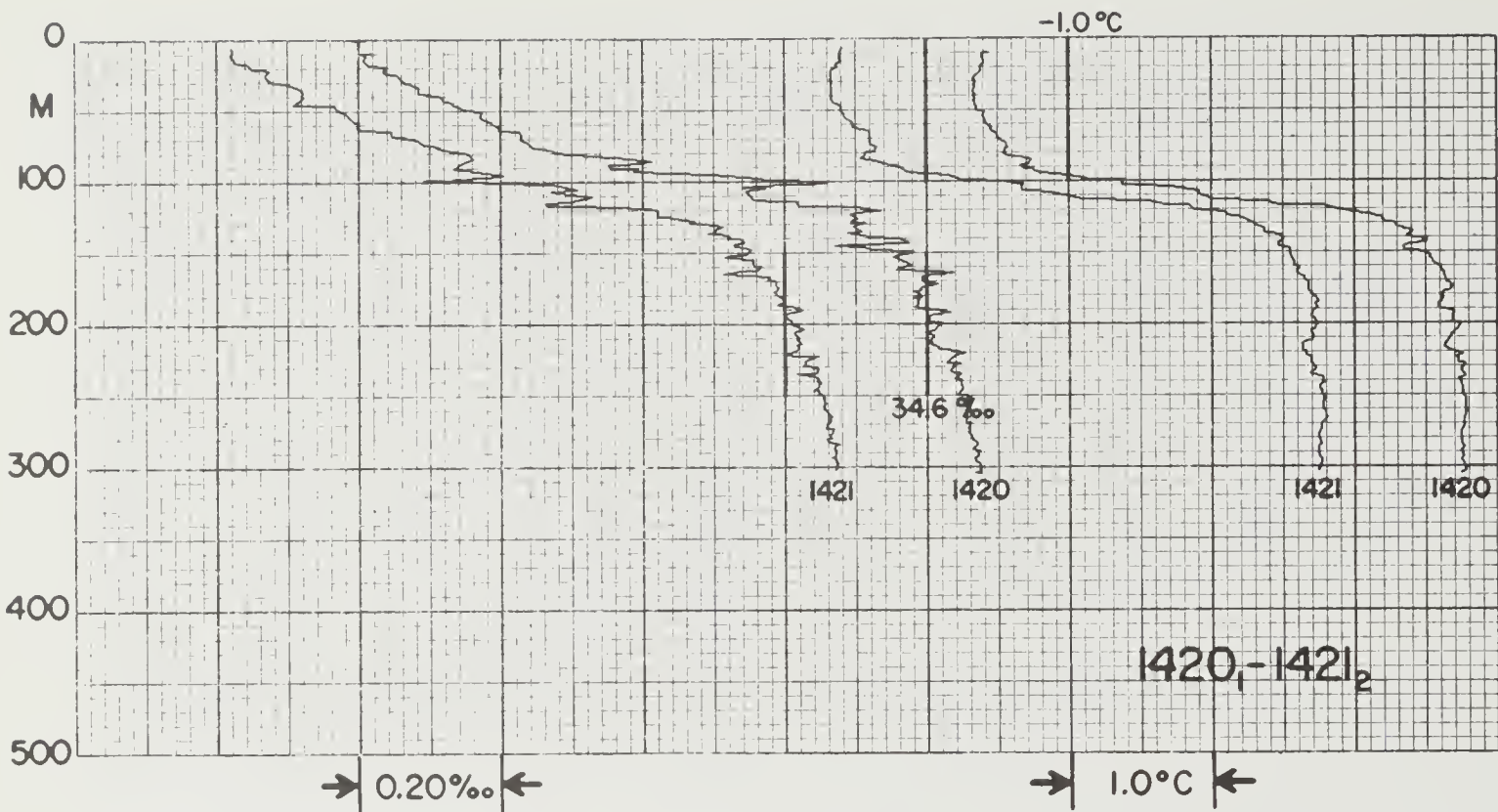


| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1414 | 1 | 1 | 25 | 11 | 71 | 4.4 | 6101.0S | 10640.9E | 541 | 4301 | -1.1 | | 352 | 62 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CBS1 | 1 | | | 33.853 | | | | | | | 843 | | | 42 | | |
| STD | 0 | -1.55 | | 33.889 | | 27.29 | | 79.06 | 0.000 | | 1440.5 | | | | | |
| STD | 10 | -1.55 | | 33.889 | | 27.29 | | 79.00 | 0.008 | | 1440.7 | | | | | |
| STD | 20 | -1.63 | | 33.869 | | 27.28 | | 80.26 | 0.016 | | 1440.5 | | | | | |
| STD | 30 | -1.66 | | 33.877 | | 27.28 | | 79.49 | 0.024 | | 1440.5 | | | | | |
| STD | 50 | -1.66 | | 33.916 | | 27.32 | | 76.39 | 0.039 | | 1440.9 | | | | | |
| STD | 75 | -1.47 | | 34.041 | | 27.41 | | 67.21 | 0.057 | | 1442.4 | | | | | |
| STD | 100 | -1.45 | | 34.159 | | 27.51 | | 58.03 | 0.073 | | 1443.0 | | | | | |
| STD | 125 | -0.12 | | 34.445 | | 27.69 | | 41.60 | 0.086 | | 1450.0 | | | | | |
| STD | 150 | 0.57 | | 34.456 | | 27.66 | | 44.51 | 0.096 | | 1453.6 | | | | | |
| STD | 200 | 1.59 | | 34.628 | | 27.73 | | 38.58 | 0.117 | | 1459.3 | | | | | |
| STD | 244 | 1.76 | | 34.660 | | 27.74 | | 37.62 | 0.134 | | 1460.8 | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1416 | 1 | 1 | 26 | 11 | 71 | 5.4 | 6100.7S | 10642.3E | 541 | 4310 | -0.9 | | 352 | 62 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| OBS1 | 1 | | | 33.837 | | | | | | | 853 | | | 42 | | |
| STD | 0 | -1.54 | | 33.817 | | 27.23 | | 84.63 | 0.000 | 1440.5 | | | | | | |
| STD | 10 | -1.54 | | 33.821 | | 27.24 | | 84.20 | 0.008 | 1440.6 | | | | | | |
| STD | 20 | -1.60 | | 33.846 | | 27.26 | | 82.08 | 0.017 | 1440.6 | | | | | | |
| STD | 30 | -1.65 | | 33.874 | | 27.28 | | 79.76 | 0.025 | 1440.5 | | | | | | |
| STD | 50 | -1.64 | | 33.952 | | 27.35 | | 73.66 | 0.040 | 1441.0 | | | | | | |
| STD | 75 | -1.36 | | 34.083 | | 27.44 | | 64.29 | 0.057 | 1443.0 | | | | | | |
| STD | 100 | -1.24 | | 34.221 | | 27.55 | | 54.05 | 0.072 | 1444.1 | | | | | | |
| STD | 125 | 0.82 | | 34.459 | | 27.64 | | 45.88 | 0.085 | 1454.4 | | | | | | |
| STD | 150 | 1.50 | | 34.560 | | 27.68 | | 42.80 | 0.096 | 1457.9 | | | | | | |
| STD | 200 | 1.75 | | 34.623 | | 27.71 | | 40.14 | 0.117 | 1460.0 | | | | | | |
| STD | 248 | 1.77 | | 34.655 | | 27.73 | | 38.11 | 0.135 | 1460.9 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1418 | 1 | 1 | 26 | 11 | 71 | 6.2 | 6100.3S | 10643.4E | 541 | 4313 | -0.9 | | 332 | 62 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| OBS1 | 1 | | | 33.810 | | | | | | | 824 | | | 42 | | |
| STD | 0 | -1.56 | | 33.839 | | 27.25 | | 82.86 | 0.000 | 1440.4 | | | | | | |
| STD | 10 | -1.56 | | 33.837 | | 27.25 | | 82.93 | 0.008 | 1440.6 | | | | | | |
| STD | 20 | -1.57 | | 33.844 | | 27.26 | | 82.35 | 0.017 | 1440.7 | | | | | | |
| STD | 30 | -1.67 | | 33.882 | | 27.29 | | 79.08 | 0.025 | 1440.5 | | | | | | |
| STD | 50 | -1.61 | | 33.960 | | 27.35 | | 73.12 | 0.040 | 1441.2 | | | | | | |
| STD | 75 | -1.36 | | 34.110 | | 27.47 | | 62.23 | 0.057 | 1443.0 | | | | | | |
| STD | 100 | -0.50 | | 34.299 | | 27.59 | | 50.89 | 0.071 | 1447.7 | | | | | | |
| STD | 125 | 1.31 | | 34.551 | | 27.69 | | 42.10 | 0.083 | 1456.7 | | | | | | |
| STD | 150 | 1.63 | | 34.586 | | 27.69 | | 41.89 | 0.093 | 1458.6 | | | | | | |
| STD | 200 | 1.75 | | 34.630 | | 27.72 | | 39.58 | 0.113 | 1459.9 | | | | | | |
| STD | 250 | 1.70 | | 34.660 | | 27.74 | | 37.22 | 0.133 | 1460.6 | | | | | | |
| STD | 254 | 1.72 | | 34.654 | | 27.74 | | 37.79 | 0.134 | 1460.8 | | | | | | |

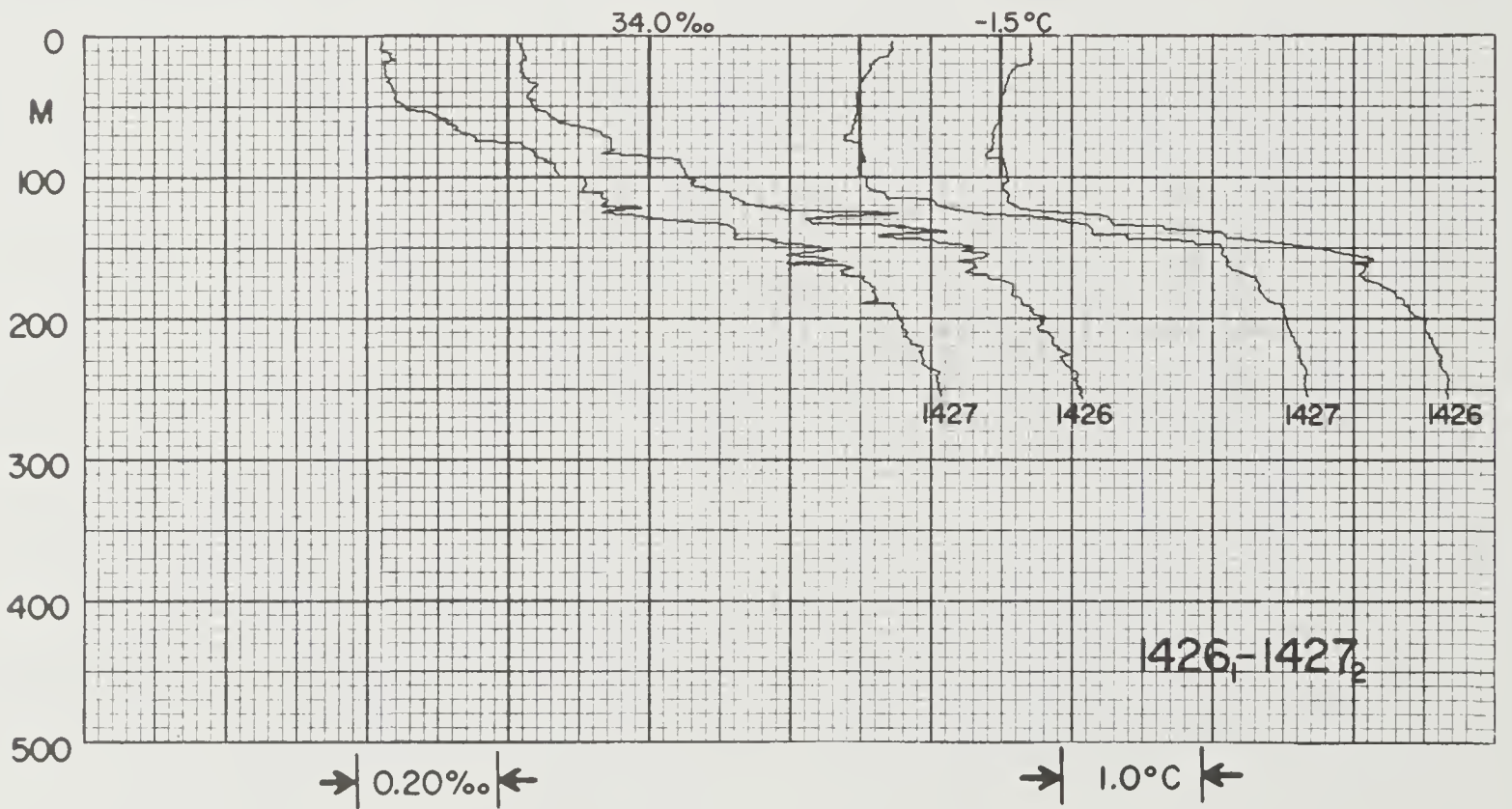
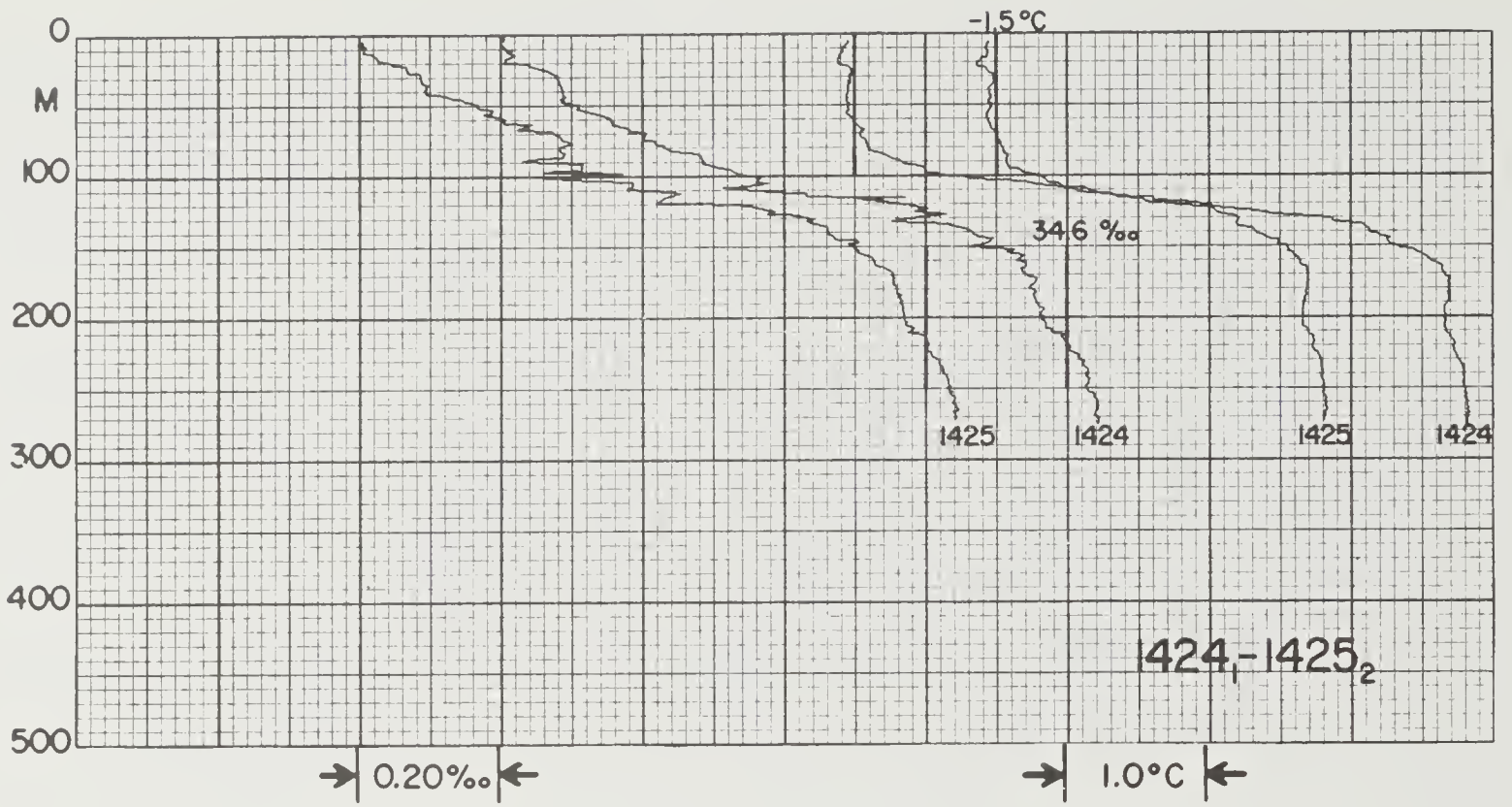


| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|-----|
| EL 50 | 1420 | 1 | 1 | 26 | 11 | 71 | 7.2 | 6059.2S | 10644.7E | 541 | 4321 | -0.7 | | 323 | 62 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | |
| CBS1 | 1 | | | 33.803 | | | | | | 819 | | | 42 | | | |

| | | | | | | | |
|-----|-----|-------|--------|-------|-------|-------|--------|
| STD | 0 | -1.57 | 33.821 | 27.24 | 84.17 | 0.000 | 1440.3 |
| STD | 10 | -1.58 | 33.815 | 27.23 | 84.60 | 0.008 | 1440.5 |
| STD | 20 | -1.62 | 33.843 | 27.26 | 82.30 | 0.017 | 1440.5 |
| STD | 30 | -1.67 | 33.862 | 27.27 | 80.65 | 0.025 | 1440.5 |
| STD | 50 | -1.65 | 33.958 | 27.35 | 73.16 | 0.040 | 1441.0 |
| STD | 75 | -1.44 | 34.045 | 27.41 | 66.97 | 0.058 | 1442.5 |
| STD | 100 | -0.61 | 34.429 | 27.70 | 40.57 | 0.071 | 1447.3 |
| STD | 125 | 1.16 | 34.500 | 27.65 | 44.98 | 0.082 | 1455.9 |
| STD | 150 | 1.51 | 34.577 | 27.69 | 41.62 | 0.093 | 1458.0 |
| STD | 200 | 1.74 | 34.621 | 27.71 | 40.19 | 0.113 | 1459.9 |
| STD | 250 | 1.76 | 34.654 | 27.73 | 38.11 | 0.133 | 1460.9 |
| STD | 300 | 1.78 | 34.675 | 27.75 | 36.86 | 0.152 | 1461.8 |
| STD | 305 | 1.75 | 34.677 | 27.75 | 36.53 | 0.153 | 1461.8 |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|-----|
| EL 50 | 1422 | 1 | 1 | 26 | 11 | 71 | 8.1 | 6057.7S | 10646.0E | 541 | 4331 | -0.9 | | 313 | 62 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | |
| CBS1 | 1 | | | 33.809 | | | | | | 851 | | | 42 | | | |

| | | | | | | | |
|-----|-----|-------|--------|-------|-------|-------|--------|
| STD | 0 | -1.59 | 33.827 | 27.24 | 83.72 | 0.000 | 1440.3 |
| STD | 10 | -1.59 | 33.824 | 27.24 | 83.90 | 0.008 | 1440.4 |
| STD | 20 | -1.69 | 33.842 | 27.26 | 82.23 | 0.017 | 1440.2 |
| STD | 30 | -1.68 | 33.871 | 27.28 | 79.92 | 0.025 | 1440.4 |
| STD | 50 | -1.66 | 33.922 | 27.32 | 75.91 | 0.040 | 1440.9 |
| STD | 75 | -1.50 | 34.060 | 27.43 | 65.67 | 0.058 | 1442.3 |
| STD | 100 | -0.88 | 34.299 | 27.60 | 49.36 | 0.072 | 1445.9 |
| STD | 125 | 1.15 | 34.472 | 27.63 | 46.98 | 0.084 | 1455.8 |
| STD | 150 | 1.63 | 34.536 | 27.65 | 45.54 | 0.096 | 1458.5 |
| STD | 200 | 1.78 | 34.609 | 27.70 | 41.41 | 0.118 | 1460.1 |
| STD | 250 | 1.78 | 34.647 | 27.73 | 38.75 | 0.138 | 1460.9 |
| STD | 276 | 1.84 | 34.655 | 27.73 | 38.79 | 0.148 | 1461.7 |

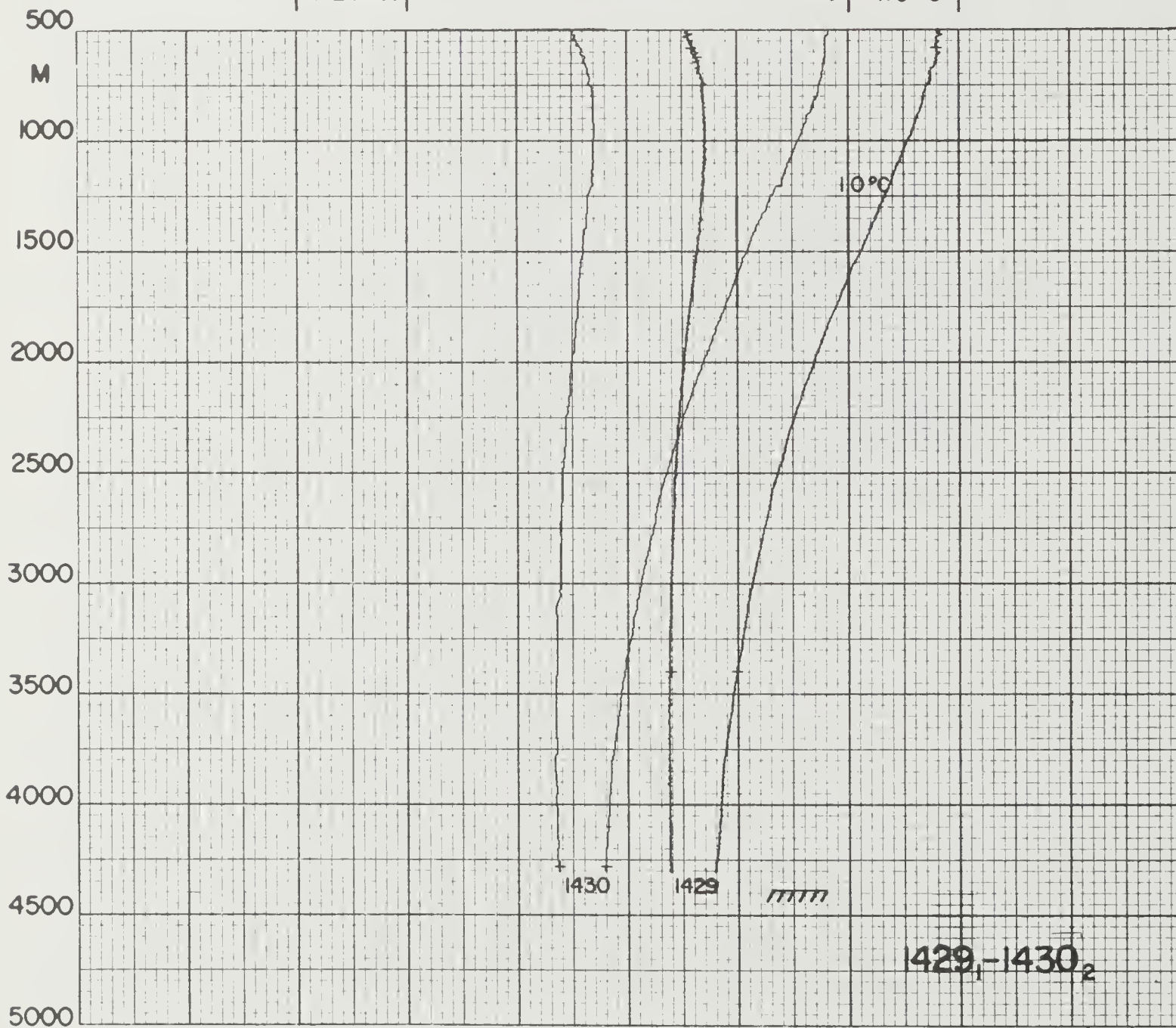
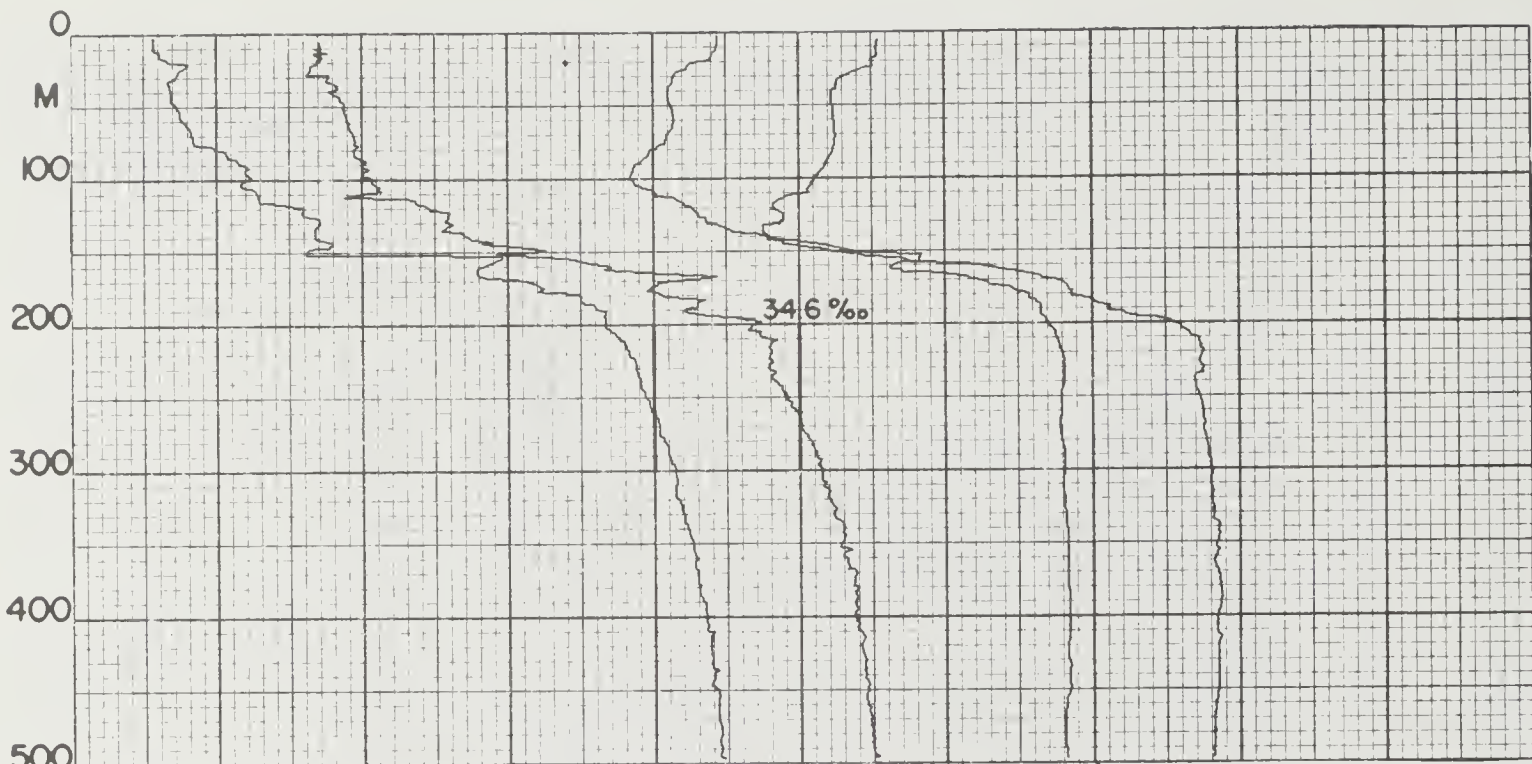


| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1424 | 1 | 1 | 26 | 11 | 71 | 8.9 | 6056.4S | 10647.2E | 541 | 4348 | -1.1 | | 353 | 12 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| OBS1 | 1 | | | 33.805 | | | | | | | 835 | | | 42 | | |
| STD | 0 | -1.56 | | 33.800 | | 27.22 | | 85.82 | 0.000 | 1440.4 | | | | | | |
| STD | 10 | -1.57 | | 33.802 | | 27.22 | | 85.58 | 0.009 | 1440.5 | | | | | | |
| STD | 20 | -1.61 | | 33.804 | | 27.22 | | 85.26 | 0.017 | 1440.5 | | | | | | |
| STD | 30 | -1.53 | | 33.879 | | 27.28 | | 79.68 | 0.025 | 1441.1 | | | | | | |
| STD | 50 | -1.55 | | 33.896 | | 27.30 | | 78.17 | 0.041 | 1441.4 | | | | | | |
| STD | 75 | -1.50 | | 34.001 | | 27.38 | | 70.18 | 0.060 | 1442.2 | | | | | | |
| STD | 100 | -1.29 | | 34.135 | | 27.48 | | 60.38 | 0.076 | 1443.8 | | | | | | |
| STD | 125 | 0.09 | | 34.400 | | 27.64 | | 46.07 | 0.089 | 1450.9 | | | | | | |
| STD | 150 | 1.28 | | 34.480 | | 27.63 | | 47.29 | 0.101 | 1456.8 | | | | | | |
| STD | 200 | 1.67 | | 34.565 | | 27.67 | | 43.85 | 0.124 | 1459.5 | | | | | | |
| STD | 250 | 1.80 | | 34.627 | | 27.71 | | 40.38 | 0.145 | 1461.0 | | | | | | |
| STD | 276 | 1.82 | | 34.643 | | 27.72 | | 39.42 | 0.155 | 1461.5 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1426 | 1 | 1 | 26 | 11 | 71 | 10.2 | 6054.6S | 10648.8E | 541 | 4357 | -1.1 | | 354 | 2 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| OBS1 | 1 | | | 33.811 | | | | | | | | | | | | |
| STD | 0 | -1.30 | | 33.817 | | 27.23 | | 85.26 | 0.000 | 1441.6 | | | | | | |
| STD | 10 | -1.30 | | 33.818 | | 27.23 | | 85.15 | 0.009 | 1441.8 | | | | | | |
| STD | 20 | -1.30 | | 33.816 | | 27.23 | | 85.23 | 0.017 | 1442.0 | | | | | | |
| STD | 30 | -1.45 | | 33.820 | | 27.23 | | 84.39 | 0.026 | 1441.4 | | | | | | |
| STD | 50 | -1.51 | | 33.833 | | 27.25 | | 83.11 | 0.042 | 1441.5 | | | | | | |
| STD | 75 | -1.57 | | 33.945 | | 27.34 | | 74.22 | 0.062 | 1441.8 | | | | | | |
| STD | 100 | -1.47 | | 34.052 | | 27.42 | | 66.21 | 0.079 | 1442.8 | | | | | | |
| STD | 125 | -1.23 | | 34.222 | | 27.55 | | 53.83 | 0.094 | 1444.6 | | | | | | |
| STD | 150 | 0.59 | | 34.454 | | 27.65 | | 44.82 | 0.107 | 1453.7 | | | | | | |
| STD | 200 | 1.45 | | 34.562 | | 27.68 | | 42.52 | 0.129 | 1458.6 | | | | | | |
| STD | 250 | 1.66 | | 34.610 | | 27.71 | | 40.60 | 0.149 | 1460.4 | | | | | | |
| STD | 258 | 1.66 | | 34.614 | | 27.71 | | 40.34 | 0.153 | 1460.5 | | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1428 | 0 | | 27 | 11 | 71 | 4.7 | 6003.4S | 10957.8E | 541 | 4357 | -0.8 | | 274 | 2 | 23 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 1 | -1.22 | | 34.013 | | 27.38 | | | | 1442.3 | 798 | | | | | 40 |
| OBS | 49 | -1.40 | | 34.022 | | 27.39 | | | | 1442.3 | 773 | | | | | 43 |
| OBS | 98 | -0.97 | | 34.141 | | 27.48 | | | | 1445.2 | 743 | | | | | 44 |
| OBS | 117 | -0.20 | | 34.268 | | 27.55 | | | | 1449.3 | 630 | | | | | 57 |
| OBS | 171 | 1.63 | | 34.531 | | 27.65 | | | | 1458.8 | 419 | | | | | 71 |
| OBS | 195 | 1.69 | | 34.570 | | 27.67 | | | | 1459.5 | 422 | | | | | 79 |
| OBS | 254 | 1.73 | | 34.613 | | 27.70 | | | | 1460.7 | 431 | | | | | 77 |
| OBS | 268 | 1.73 | | 34.625 | | 27.71 | | | | 1461.0 | 428 | | | | | 83 |
| OBS | 317 | 1.76 | | 34.660 | | 27.74 | | | | 1462.0 | 424 | | | | | 78 |
| OBS | 414 | 1.81 | | 34.689 | | 27.76 | | | | 1463.8 | 429 | | | | | 87 |
| OBS | 610 | 1.75 | | 34.728 | | 27.80 | | | | 1466.9 | 440 | | | | | 82 |
| OBS | 809 | 1.62 | | 34.745 | | 27.82 | | | | 1469.7 | 453 | | | | | 94 |
| OBS | 953 | 1.50 | | 34.743 | | 27.83 | | | | 1471.5 | 461 | | | | | 89 |
| OBS | 1240 | 1.23 | | 34.737 | | 27.84 | | | | 1475.1 | 471 | | | | | 105 |
| OBS | 1528 | 0.98 | | 34.726 | | 27.85 | | | | 1478.9 | 471 | | | | | 104 |
| OBS | 1817 | 0.79 | | 34.718 | | 27.85 | | | | 1482.9 | 478 | | | | | 119 |
| OBS | 2203 | 0.51 | | 34.705 | | 27.86 | | | | 1488.3 | 490 | | | | | 117 |
| OBS | 2591 | 0.29 | | 34.692 | | 27.86 | | | | 1494.0 | 503 | | | | | 130 |
| OBS | 2986 | 0.12 | | 34.689 | | 27.87 | | | | 1500.1 | 515 | | | | | 123 |
| OBS | 3379 | 0.00 | | 34.684 | | 27.87 | | | | 1506.4 | 532 | | | | | 135 |
| OBS | 3674 | -0.08 | | 34.683 | | 27.88 | | | | 1511.2 | 542 | | | | | 123 |
| OBS | 3971 | -0.15 | | 34.682 | | 27.88 | | | | 1516.2 | 539 | | | | | 127 |
| OBS | 4270 | -0.20 | | 34.682 | | 27.88 | | | | 1521.3 | 553 | | | | | 117 |
| ISL | 0 | -1.22 | | 34.013 | | 27.38 | 70.48 | 0.000 | | 1442.3 | | | | | | |
| ISL | 10 | -1.31 | | 34.006 | | 27.38 | 70.73 | 0.007 | | 1442.0 | | | | | | |
| ISL | 20 | -1.38 | | 34.002 | | 27.38 | 70.74 | 0.014 | | 1441.9 | | | | | | |
| ISL | 30 | -1.41 | | 34.004 | | 27.38 | 70.42 | 0.021 | | 1441.8 | | | | | | |
| ISL | 50 | -1.40 | | 34.023 | | 27.40 | 68.89 | 0.035 | | 1442.3 | | | | | | |
| ISL | 75 | -1.37 | | 34.051 | | 27.42 | 66.73 | 0.052 | | 1442.9 | | | | | | |
| ISL | 100 | -0.90 | | 34.153 | | 27.48 | 60.45 | 0.068 | | 1445.6 | | | | | | |
| ISL | 125 | 0.11 | | 34.317 | | 27.57 | 52.49 | 0.082 | | 1450.9 | | | | | | |
| ISL | 150 | 1.05 | | 34.456 | | 27.63 | 47.62 | 0.095 | | 1455.8 | | | | | | |
| ISL | 200 | 1.70 | | 34.574 | | 27.68 | 43.42 | 0.117 | | 1459.7 | | | | | | |
| ISL | 250 | 1.73 | | 34.610 | | 27.70 | 41.15 | 0.139 | | 1460.7 | | | | | | |
| ISL | 300 | 1.75 | | 34.649 | | 27.73 | 38.54 | 0.158 | | 1461.6 | | | | | | |
| ISL | 400 | 1.81 | | 34.686 | | 27.76 | 36.67 | 0.196 | | 1463.6 | | | | | | |
| ISL | 500 | 1.81 | | 34.709 | | 27.78 | 35.32 | 0.232 | | 1465.3 | | | | | | |
| ISL | 600 | 1.75 | | 34.727 | | 27.79 | 33.99 | 0.267 | | 1466.7 | | | | | | |
| ISL | 700 | 1.70 | | 34.739 | | 27.81 | 32.99 | 0.300 | | 1468.2 | | | | | | |
| ISL | 800 | 1.63 | | 34.745 | | 27.82 | 32.26 | 0.333 | | 1469.5 | | | | | | |
| ISL | 900 | 1.55 | | 34.744 | | 27.82 | 31.96 | 0.365 | | 1470.8 | | | | | | |
| ISL | 1000 | 1.46 | | 34.742 | | 27.83 | 31.59 | 0.397 | | 1472.1 | | | | | | |
| ISL | 1100 | 1.36 | | 34.741 | | 27.83 | 31.11 | 0.428 | | 1473.4 | | | | | | |
| ISL | 1200 | 1.27 | | 34.738 | | 27.84 | 30.68 | 0.459 | | 1474.6 | | | | | | |
| ISL | 1300 | 1.18 | | 34.735 | | 27.84 | 30.31 | 0.489 | | 1475.9 | | | | | | |
| ISL | 1400 | 1.08 | | 34.731 | | 27.84 | 29.97 | 0.520 | | 1477.2 | | | | | | |
| ISL | 1500 | 1.00 | | 34.727 | | 27.85 | 29.66 | 0.549 | | 1478.5 | | | | | | |
| ISL | 1750 | 0.84 | | 34.720 | | 27.85 | 28.93 | 0.623 | | 1482.0 | | | | | | |
| ISL | 2000 | 0.66 | | 34.712 | | 27.86 | 28.00 | 0.694 | | 1485.5 | | | | | | |
| ISL | 2250 | 0.48 | | 34.703 | | 27.86 | 26.87 | 0.762 | | 1488.9 | | | | | | |
| ISL | 2500 | 0.34 | | 34.695 | | 27.86 | 25.99 | 0.828 | | 1492.6 | | | | | | |
| ISL | 2750 | 0.22 | | 34.691 | | 27.87 | 24.91 | 0.892 | | 1496.4 | | | | | | |
| ISL | 3000 | 0.11 | | 34.689 | | 27.87 | 23.82 | 0.953 | | 1500.3 | | | | | | |
| ISL | 3250 | 0.04 | | 34.686 | | 27.87 | 23.01 | 1.012 | | 1504.3 | | | | | | |
| ISL | 3500 | -0.03 | | 34.684 | | 27.87 | 22.10 | 1.068 | | 1508.4 | | | | | | |
| ISL | 3750 | -0.10 | | 34.683 | | 27.88 | 21.15 | 1.122 | | 1512.5 | | | | | | |
| ISL | 4000 | -0.16 | | 34.682 | | 27.88 | 20.23 | 1.174 | | 1516.7 | | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1429 | 1 | 1 | 28 | 11 | 71 | 8.3 | 6102.7S | 11448.2E | 540 | 4380 | -0.9 | | 254 | 253 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| COM1 | 15 | | | 33.943 | | | | | | | 821 | | | | | 35 |
| COM1 | 593 | 1.80 | | 34.716 | | 27.78 | | | | | 437 | | | | | 32 |
| COM1 | 3414 | -0.01 | | 34.678 | | 27.87 | | | | | 538 | | | | | 128 |
| STD | 0 | -0.47 | | 33.940 | | 27.29 | | 78.77 | 0.000 | 1445.7 | | | | | | |
| STD | 10 | -0.48 | | 33.939 | | 27.29 | | 78.71 | 0.008 | 1445.8 | | | | | | |
| STD | 20 | -0.51 | | 33.937 | | 27.29 | | 78.69 | 0.016 | 1445.8 | | | | | | |
| STD | 30 | -0.66 | | 33.936 | | 27.30 | | 78.18 | 0.024 | 1445.3 | | | | | | |
| STD | 50 | -0.79 | | 33.974 | | 27.33 | | 74.76 | 0.039 | 1445.1 | | | | | | |
| STD | 75 | -0.77 | | 33.989 | | 27.35 | | 73.56 | 0.057 | 1445.6 | | | | | | |
| STD | 100 | -0.89 | | 34.004 | | 27.36 | | 71.88 | 0.076 | 1445.5 | | | | | | |
| STD | 125 | -1.15 | | 34.120 | | 27.47 | | 61.92 | 0.092 | 1444.8 | | | | | | |
| STD | 150 | -0.89 | | 34.246 | | 27.56 | | 53.18 | 0.107 | 1446.6 | | | | | | |
| STD | 200 | 1.52 | | 34.546 | | 27.67 | | 44.21 | 0.131 | 1458.8 | | | | | | |
| STD | 250 | 1.72 | | 34.577 | | 27.68 | | 43.55 | 0.153 | 1460.6 | | | | | | |
| STD | 300 | 1.80 | | 34.628 | | 27.71 | | 40.56 | 0.174 | 1461.8 | | | | | | |
| STD | 400 | 1.85 | | 34.674 | | 27.74 | | 37.93 | 0.213 | 1463.8 | | | | | | |
| STD | 500 | 1.82 | | 34.701 | | 27.77 | | 36.00 | 0.250 | 1465.3 | | | | | | |
| STD | 600 | 1.80 | | 34.719 | | 27.78 | | 34.96 | 0.286 | 1466.9 | | | | | | |
| STD | 700 | 1.74 | | 34.729 | | 27.80 | | 34.05 | 0.320 | 1468.3 | | | | | | |
| STD | 800 | 1.68 | | 34.736 | | 27.81 | | 33.39 | 0.354 | 1469.8 | | | | | | |
| STD | 900 | 1.62 | | 34.739 | | 27.81 | | 33.03 | 0.387 | 1471.2 | | | | | | |
| STD | 1000 | 1.54 | | 34.741 | | 27.82 | | 32.48 | 0.420 | 1472.5 | | | | | | |
| STD | 1100 | 1.47 | | 34.743 | | 27.83 | | 32.06 | 0.452 | 1473.9 | | | | | | |
| STD | 1200 | 1.39 | | 34.737 | | 27.83 | | 31.92 | 0.484 | 1475.2 | | | | | | |
| STD | 1300 | 1.29 | | 34.734 | | 27.83 | | 31.54 | 0.516 | 1476.4 | | | | | | |
| STD | 1400 | 1.21 | | 34.732 | | 27.84 | | 31.19 | 0.547 | 1477.8 | | | | | | |
| STD | 1500 | 1.13 | | 34.727 | | 27.84 | | 30.91 | 0.578 | 1479.1 | | | | | | |
| STD | 1750 | 0.90 | | 34.715 | | 27.84 | | 29.97 | 0.654 | 1482.3 | | | | | | |
| STD | 2000 | 0.70 | | 34.703 | | 27.85 | | 29.10 | 0.728 | 1485.6 | | | | | | |
| STD | 2250 | 0.52 | | 34.694 | | 27.85 | | 28.00 | 0.800 | 1489.1 | | | | | | |
| STD | 2500 | 0.37 | | 34.687 | | 27.85 | | 26.99 | 0.868 | 1492.8 | | | | | | |
| STD | 2750 | 0.25 | | 34.682 | | 27.86 | | 25.93 | 0.935 | 1496.5 | | | | | | |
| STD | 3000 | 0.14 | | 34.679 | | 27.86 | | 24.77 | 0.998 | 1500.4 | | | | | | |
| STD | 3250 | 0.04 | | 34.677 | | 27.86 | | 23.69 | 1.058 | 1504.3 | | | | | | |
| STD | 3500 | -0.03 | | 34.676 | | 27.87 | | 22.64 | 1.116 | 1508.4 | | | | | | |
| STD | 3750 | -0.10 | | 34.676 | | 27.87 | | 21.56 | 1.172 | 1512.5 | | | | | | |
| STD | 4000 | -0.15 | | 34.676 | | 27.87 | | 20.66 | 1.224 | 1516.7 | | | | | | |
| STD | 4250 | -0.19 | | 34.676 | | 27.88 | | 19.91 | 1.275 | 1521.0 | | | | | | |
| STD | 4323 | -0.21 | | 34.678 | | 27.88 | | 19.61 | 1.290 | 1522.2 | | | | | | |
| COM2 | 4299 | -0.20 | | 34.677 | | 27.88 | | | | | 566 | | | | | 119 |

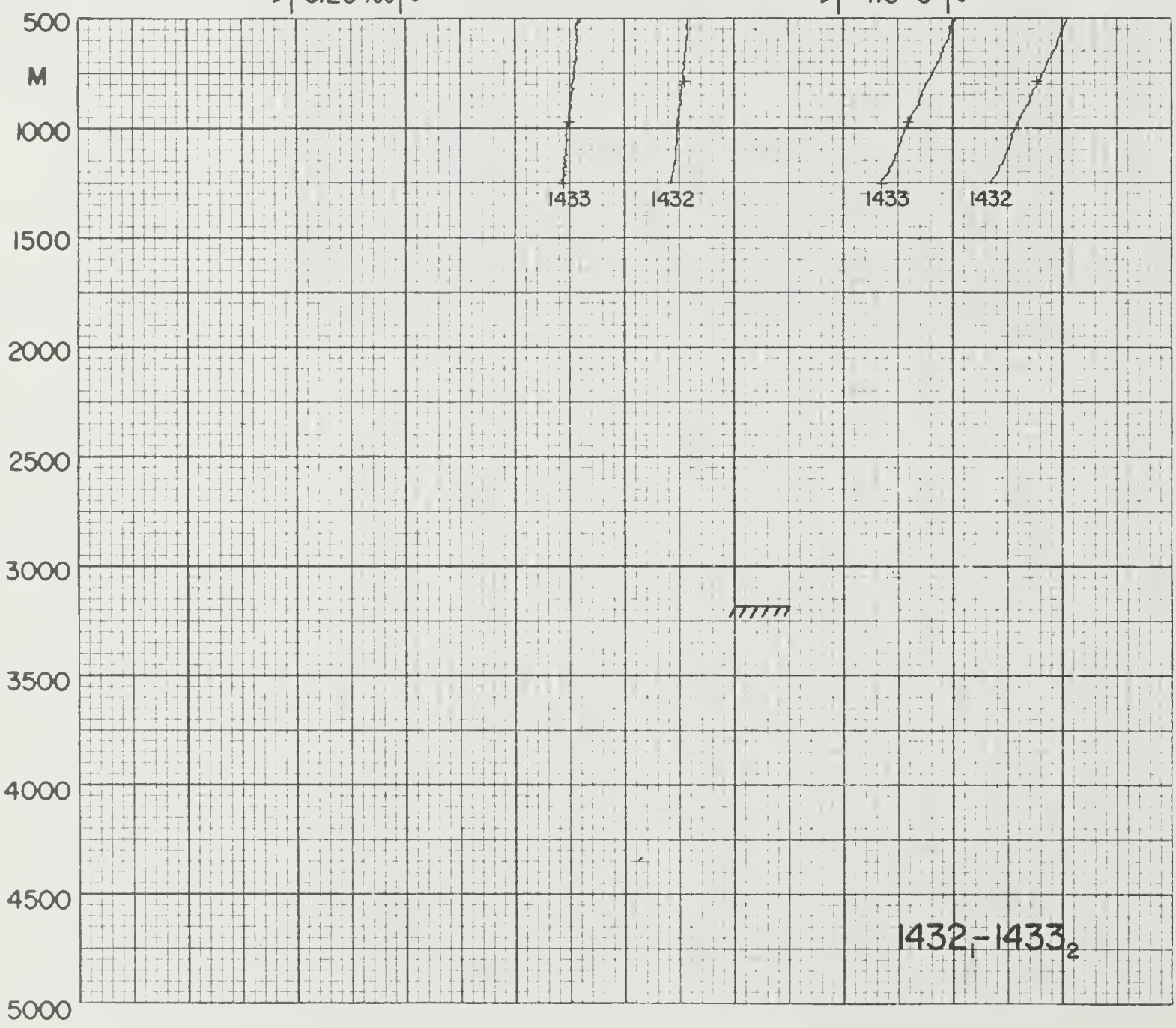


| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 50 | 1431 | 0 | | 29 | 11 | 71 | 8.4 | 6200.0S | 12003.1E | 539 | 4149 | -0.1 | | 342 | 0 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | -0.66 | 34.013 | 27.36 | | | 1444.9 | | | | 42 | | | | | |
| OBS | 50 | -1.26 | 34.062 | 27.42 | | | 1443.0 | 849 | | | | | | | | |
| OBS | 100 | -0.82 | 34.348 | 27.64 | | | 1446.3 | 683 | | | 61 | | | | | |
| OBS | 125 | 0.49 | 34.514 | 27.71 | | | 1452.9 | 583 | | | 78 | | | | | |
| OBS | 155 | 1.09 | 34.591 | 27.73 | | | 1456.2 | 523 | | | 83 | | | | | |
| OBS | 175 | 1.29 | 34.621 | 27.74 | | | 1457.5 | 478 | | | 86 | | | | | |
| OBS | 200 | 1.47 | 34.651 | 27.75 | | | 1458.8 | 505 | | | 87 | | | | | |
| QBS | 250 | 1.55 | 34.669 | 27.76 | | | 1460.0 | 507 | | | 89 | | | | | |
| OBS | 299 | 1.54 | 34.684 | 27.78 | | | 1460.7 | 474 | | | 90 | | | | | |
| OBS | 398 | 1.61 | 34.713 | 27.79 | | | 1462.7 | 470 | | | 93 | | | | | |
| OBS | 597 | 1.48 | 34.729 | 27.82 | | | 1465.5 | 496 | | | 97 | | | | | |
| OBS | 797 | 1.32 | 34.733 | 27.83 | | | 1468.1 | 538C | | | 104 | | | | | |
| OBS | 1027 | 1.13 | 34.729 | 27.84 | | | 1471.1 | 502 | | | 109 | | | | | |
| OBS | 1321 | 0.88 | 34.719 | 27.85 | | | 1475.0 | 538C | | | 114 | | | | | |
| OBS | 1615 | 0.66 | 34.708 | 27.85 | | | 1478.9 | 522C | | | 121 | | | | | |
| OBS | 1912 | 0.48 | 34.699 | 27.86 | | | 1483.2 | 552C | | | 125 | | | | | |
| OBS | 2210 | 0.31 | 34.693 | 27.86 | | | 1487.5 | 552C | | | 128 | | | | | |
| OBS | 2509 | 0.14 | 34.690 | 27.87 | | | 1491.9 | 599Q | | | 130 | | | | | |
| OBS | 2910 | 0.01 | 34.679 | 27.87 | | | 1498.3 | 580C | | | 132 | | | | | |
| OBS | 3310 | -0.13 | 34.677 | 27.87 | | | 1504.7 | 558 | | | 130 | | | | | |
| OBS | 3610 | -0.20 | 34.678 | 27.88 | | | 1509.6 | 587C | | | 127 | | | | | |
| OBS | 3921 | -0.26 | 34.681 | 27.88 | | | 1514.9 | 573 | | | 120 | | | | | |
| OBS | 4111 | -0.29 | 34.679 | 27.88 | | | 1518.1 | 572 | | | 121 | | | | | |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | -0.66 | 34.013 | 27.36 | 72.40 | 0.000 | 1444.9 | | | | | | | | | |
| ISL | 10 | -0.86 | 34.006 | 27.36 | 72.16 | 0.007 | 1444.1 | | | | | | | | | |
| ISL | 20 | -1.03 | 34.007 | 27.37 | 71.44 | 0.014 | 1443.5 | | | | | | | | | |
| ISL | 30 | -1.16 | 34.017 | 27.38 | 70.24 | 0.021 | 1443.1 | | | | | | | | | |
| ISL | 50 | -1.26 | 34.062 | 27.42 | 66.34 | 0.035 | 1443.0 | | | | | | | | | |
| ISL | 75 | -1.36 | 34.192 | 27.53 | 55.98 | 0.050 | 1443.1 | | | | | | | | | |
| ISL | 100 | -0.82 | 34.348 | 27.64 | 45.85 | 0.063 | 1446.3 | | | | | | | | | |
| ISL | 125 | 0.49 | 34.514 | 27.71 | 39.65 | 0.074 | 1452.9 | | | | | | | | | |
| ISL | 150 | 1.02 | 34.581 | 27.73 | 37.90 | 0.084 | 1455.8 | | | | | | | | | |
| ISL | 200 | 1.47 | 34.651 | 27.75 | 35.89 | 0.102 | 1458.7 | | | | | | | | | |
| ISL | 250 | 1.55 | 34.669 | 27.76 | 35.30 | 0.120 | 1460.0 | | | | | | | | | |
| ISL | 300 | 1.54 | 34.684 | 27.78 | 34.27 | 0.137 | 1460.8 | | | | | | | | | |
| ISL | 400 | 1.61 | 34.713 | 27.79 | 32.99 | 0.171 | 1462.8 | | | | | | | | | |
| ISL | 500 | 1.55 | 34.725 | 27.81 | 32.03 | 0.203 | 1464.2 | | | | | | | | | |
| ISL | 600 | 1.48 | 34.729 | 27.82 | 31.41 | 0.235 | 1465.5 | | | | | | | | | |
| ISL | 700 | 1.40 | 34.732 | 27.82 | 30.85 | 0.266 | 1466.9 | | | | | | | | | |
| ISL | 800 | 1.32 | 34.733 | 27.83 | 30.39 | 0.297 | 1468.2 | | | | | | | | | |
| ISL | 900 | 1.24 | 34.732 | 27.84 | 30.03 | 0.327 | 1469.5 | | | | | | | | | |
| ISL | 1000 | 1.15 | 34.730 | 27.84 | 29.74 | 0.357 | 1470.8 | | | | | | | | | |
| ISL | 1100 | 1.07 | 34.727 | 27.84 | 29.42 | 0.386 | 1472.1 | | | | | | | | | |
| ISL | 1200 | 0.98 | 34.723 | 27.85 | 29.13 | 0.416 | 1473.4 | | | | | | | | | |
| ISL | 1300 | 0.90 | 34.720 | 27.85 | 28.77 | 0.445 | 1474.7 | | | | | | | | | |
| ISL | 1400 | 0.82 | 34.716 | 27.85 | 28.46 | 0.473 | 1476.0 | | | | | | | | | |
| ISL | 1500 | 0.74 | 34.712 | 27.85 | 28.17 | 0.502 | 1477.4 | | | | | | | | | |
| ISL | 1750 | 0.57 | 34.704 | 27.86 | 27.45 | 0.571 | 1480.8 | | | | | | | | | |
| ISL | 2000 | 0.43 | 34.697 | 27.86 | 26.64 | 0.639 | 1484.5 | | | | | | | | | |
| ISL | 2250 | 0.29 | 34.692 | 27.86 | 25.55 | 0.704 | 1488.1 | | | | | | | | | |
| ISL | 2500 | 0.14 | 34.690 | 27.87 | 24.15 | 0.766 | 1491.8 | | | | | | | | | |
| ISL | 2750 | 0.06 | 34.683 | 27.87 | 23.65 | 0.826 | 1495.7 | | | | | | | | | |
| ISL | 3000 | -0.02 | 34.678 | 27.87 | 22.91 | 0.884 | 1499.7 | | | | | | | | | |
| ISL | 3250 | -0.11 | 34.677 | 27.87 | 21.73 | 0.940 | 1503.7 | | | | | | | | | |
| ISL | 3500 | -0.18 | 34.677 | 27.88 | 20.65 | 0.993 | 1507.8 | | | | | | | | | |
| ISL | 3750 | -0.23 | 34.679 | 27.88 | 19.60 | 1.043 | 1512.0 | | | | | | | | | |
| ISL | 4000 | -0.27 | 34.680 | 27.88 | 18.67 | 1.091 | 1516.2 | | | | | | | | | |

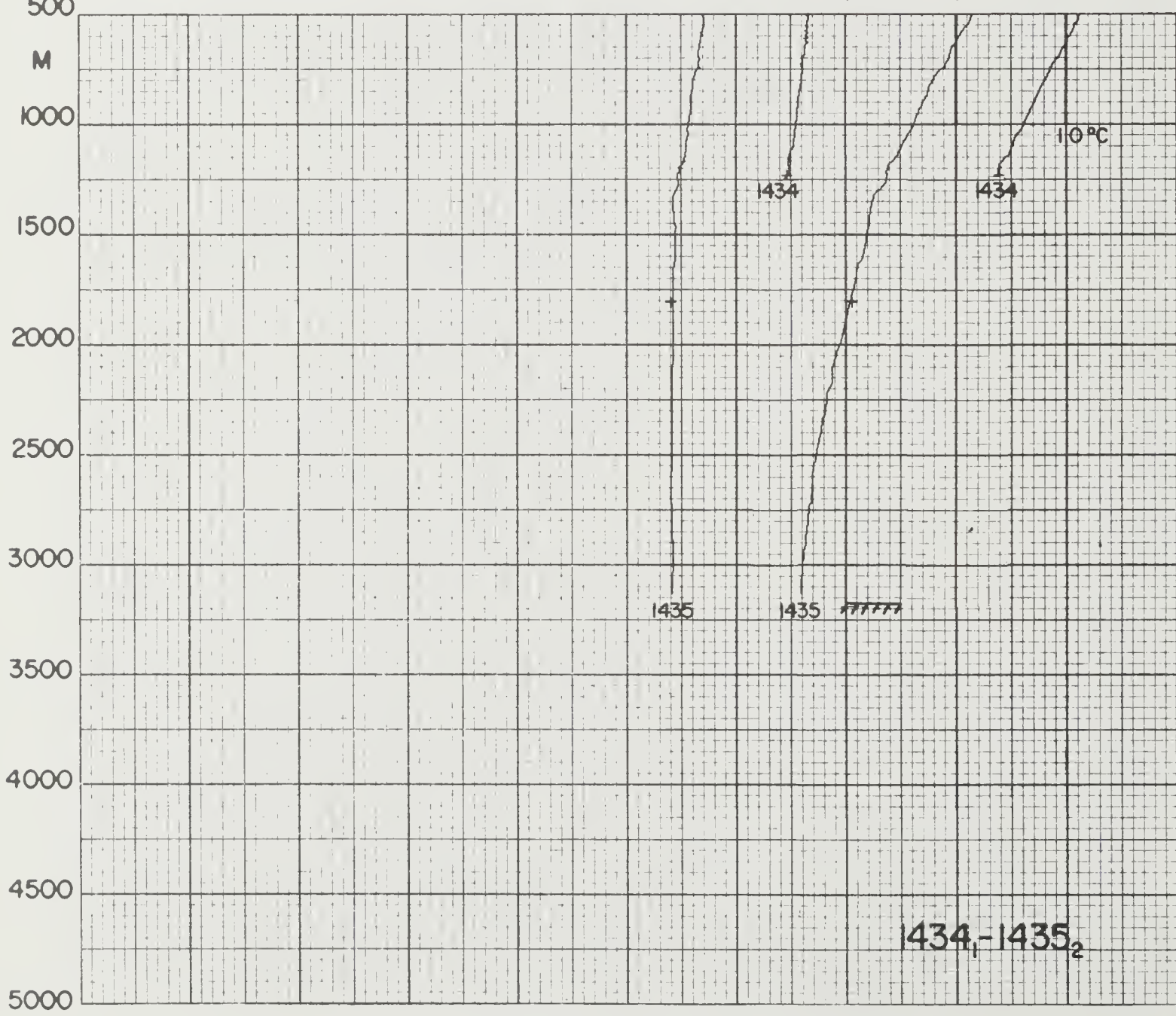
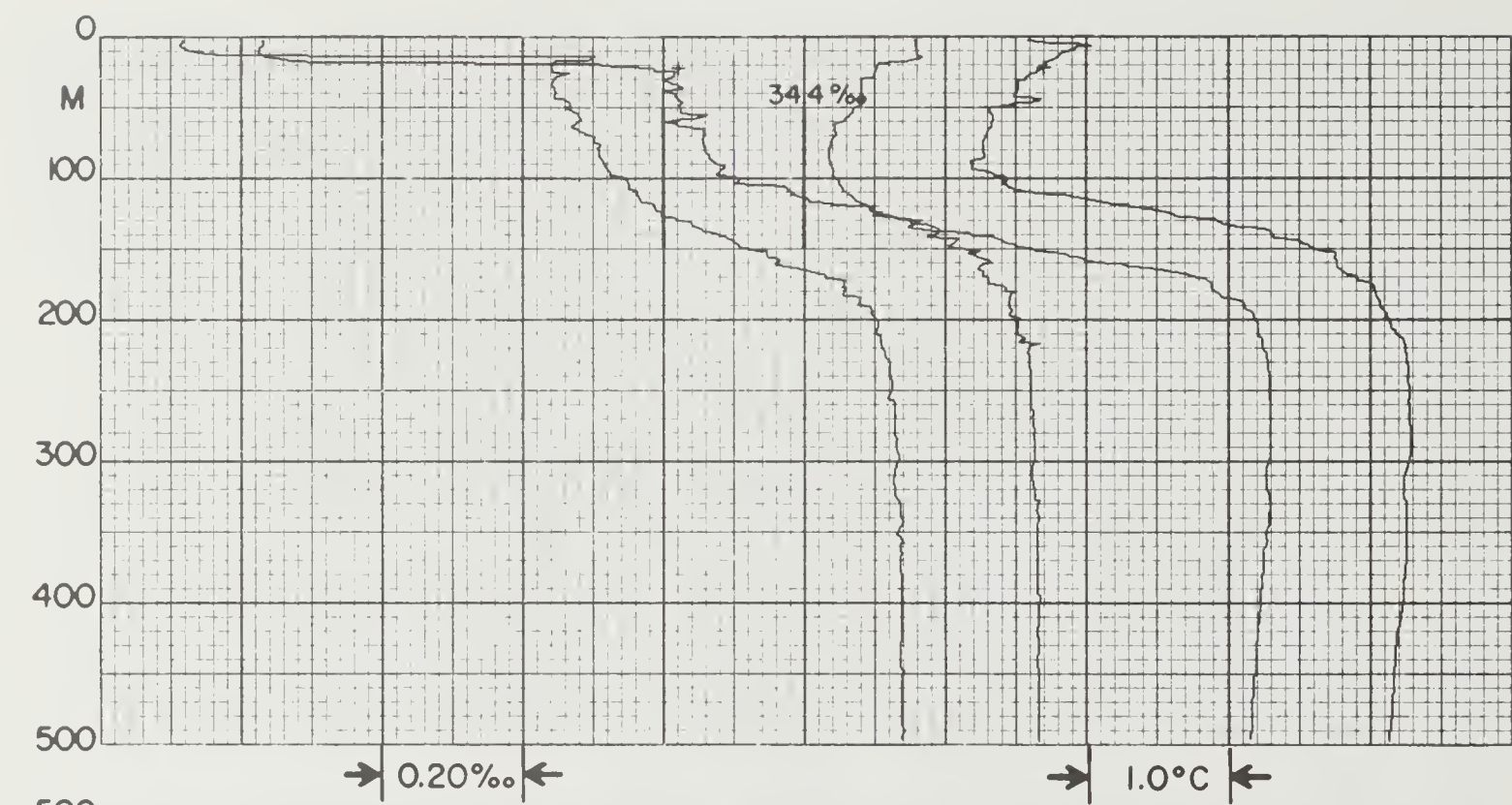


→ 0.20‰ ←

→ 1.0°C ←



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1432 | 1 | 3 | 30 | 11 | 71 | 3.6 | 6422.6S | 12000.3E | 539 | 3181 | -2.5 | | 93 | 92 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{got/l}$ | NITR $10 \cdot \mu\text{got/l}$ | SILIC $\mu\text{got/l}$ | | |
| CCM1 | 48 | -1.57 | | 34.223 | | 27.56 | | | | | 763 | | | 68 | | |
| CCM1 | 397 | 1.10 | | 34.711 | | 27.83 | | | | | 495 | | | 101 | | |
| CCM1 | 793 | 0.78 | | 34.711 | | 27.85 | | | | | 485 | | | 114 | | |
| STD | 0 | -0.74 | | 34.169 | | 27.49 | | 60.18 | 0.000 | 1444.7 | | | | | | |
| STD | 10 | -1.22 | | 34.201 | | 27.53 | | 56.04 | 0.006 | 1442.7 | | | | | | |
| STD | 20 | -1.28 | | 34.207 | | 27.54 | | 55.33 | 0.011 | 1442.6 | | | | | | |
| STD | 30 | -1.56 | | 34.208 | | 27.55 | | 54.34 | 0.017 | 1441.5 | | | | | | |
| STD | 50 | -1.62 | | 34.217 | | 27.56 | | 53.36 | 0.028 | 1441.5 | | | | | | |
| STD | 75 | -1.77 | | 34.267 | | 27.60 | | 49.03 | 0.040 | 1441.3 | | | | | | |
| STD | 100 | -1.58 | | 34.365 | | 27.68 | | 41.93 | 0.052 | 1442.7 | | | | | | |
| STD | 125 | -0.58 | | 34.504 | | 27.75 | | 34.89 | 0.061 | 1448.0 | | | | | | |
| STD | 150 | 0.36 | | 34.621 | | 27.80 | | 30.77 | 0.070 | 1452.9 | | | | | | |
| STD | 200 | 0.76 | | 34.663 | | 27.81 | | 30.11 | 0.085 | 1455.6 | | | | | | |
| STD | 250 | 1.01 | | 34.684 | | 27.81 | | 30.23 | 0.100 | 1457.6 | | | | | | |
| STD | 300 | 1.04 | | 34.696 | | 27.82 | | 29.70 | 0.115 | 1458.6 | | | | | | |
| STD | 400 | 1.09 | | 34.714 | | 27.83 | | 28.93 | 0.144 | 1460.4 | | | | | | |
| STD | 500 | 1.06 | | 34.718 | | 27.84 | | 28.65 | 0.173 | 1462.0 | | | | | | |
| STD | 600 | 0.97 | | 34.716 | | 27.84 | | 28.34 | 0.201 | 1463.3 | | | | | | |
| STD | 700 | 0.88 | | 34.712 | | 27.84 | | 28.15 | 0.230 | 1464.5 | | | | | | |
| STD | 800 | 0.79 | | 34.708 | | 27.85 | | 27.86 | 0.258 | 1465.8 | | | | | | |
| STD | 900 | 0.70 | | 34.706 | | 27.85 | | 27.43 | 0.285 | 1467.0 | | | | | | |
| STD | 1000 | 0.59 | | 34.699 | | 27.85 | | 27.18 | 0.313 | 1468.2 | | | | | | |
| STD | 1100 | 0.52 | | 34.697 | | 27.85 | | 26.83 | 0.340 | 1469.6 | | | | | | |
| STD | 1200 | 0.43 | | 34.692 | | 27.85 | | 26.51 | 0.366 | 1470.9 | | | | | | |
| STD | 1262 | 0.36 | | 34.688 | | 27.86 | | 26.17 | 0.383 | 1471.6 | | | | | | |
| CCM2 | 981 | 0.60 | | 34.699 | | 27.85 | | | | | 506 | | | 120 | | |
| CCM2 | 1262 | 0.36 | | 34.690 | | 27.86 | | | | | 505 | | | 125 | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1434 | 1 | 3 | 30 | 11 | 71 | 7.9 | 6424.4S | 12002.3E | 539 | 3178 | -1.1 | | 93 | 92 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CCM1 | 23 | -1.31 | | 34.220 | | 27.55 | | | | | 783 | | | | | 69 |
| CCM1 | 1242 | 0.40 | | 34.694 | | 27.86 | | | | | 513 | | | | | 125 |
| STD | 0 | -1.42 | | 33.630 | | 27.08 | | 99.24 | 0.000 | 1440.8 | | | | | | |
| STD | 10 | -1.09 | | 33.623 | | 27.06 | | 100.68 | 0.010 | 1442.5 | | | | | | |
| STD | 20 | -1.30 | | 34.093 | | 27.45 | | 63.96 | 0.018 | 1442.3 | | | | | | |
| STD | 30 | -1.43 | | 34.208 | | 27.55 | | 54.78 | 0.024 | 1442.1 | | | | | | |
| STD | 50 | -1.59 | | 34.222 | | 27.56 | | 53.13 | 0.035 | 1441.7 | | | | | | |
| STD | 75 | -1.73 | | 34.255 | | 27.59 | | 50.02 | 0.048 | 1441.4 | | | | | | |
| STD | 100 | -1.60 | | 34.297 | | 27.62 | | 47.03 | 0.060 | 1442.5 | | | | | | |
| STD | 125 | -0.46 | | 34.508 | | 27.75 | | 35.19 | 0.070 | 1448.6 | | | | | | |
| STD | 150 | 0.57 | | 34.604 | | 27.78 | | 33.28 | 0.079 | 1453.8 | | | | | | |
| STD | 200 | 1.13 | | 34.706 | | 27.82 | | 29.33 | 0.094 | 1457.3 | | | | | | |
| STD | 250 | 1.28 | | 34.720 | | 27.82 | | 29.40 | 0.109 | 1458.8 | | | | | | |
| STD | 300 | 1.28 | | 34.725 | | 27.83 | | 29.21 | 0.124 | 1459.7 | | | | | | |
| STD | 400 | 1.24 | | 34.734 | | 27.84 | | 28.53 | 0.153 | 1461.1 | | | | | | |
| STD | 500 | 1.14 | | 34.733 | | 27.84 | | 28.16 | 0.181 | 1462.4 | | | | | | |
| STD | 600 | 1.05 | | 34.729 | | 27.85 | | 28.03 | 0.209 | 1463.6 | | | | | | |
| STD | 700 | 0.94 | | 34.722 | | 27.85 | | 27.85 | 0.237 | 1464.8 | | | | | | |
| STD | 800 | 0.83 | | 34.720 | | 27.85 | | 27.31 | 0.265 | 1466.0 | | | | | | |
| STD | 900 | 0.73 | | 34.714 | | 27.85 | | 27.08 | 0.292 | 1467.2 | | | | | | |
| STD | 1000 | 0.63 | | 34.711 | | 27.86 | | 26.63 | 0.319 | 1468.4 | | | | | | |
| STD | 1100 | 0.53 | | 34.706 | | 27.86 | | 26.29 | 0.345 | 1469.6 | | | | | | |
| STD | 1200 | 0.41 | | 34.698 | | 27.86 | | 25.88 | 0.371 | 1470.8 | | | | | | |
| STD | 1300 | 0.38 | | 34.688 | | 27.85 | | 26.40 | 0.397 | 1472.3 | | | | | | |
| STD | 1335 | 0.38 | | 34.688 | | 27.85 | | 26.43 | 0.407 | 1472.9 | | | | | | |
| CCM2 | 1813 | 0.06 | | 34.682 | | 27.87 | | | | | 547 | | | | | 134 |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 50 | 1436 | 1 | 3 | 30 | 11 | 71 | 11.1 | 6425.6S | 11957.9E | 540 | 3158 | -1.2 | | 104 | 92 | 1 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| STD | 0 | -1.16 | 33.745 | 27.16 | 91.17 | 0.000 | 1442.2 | | | | | | | | | |
| STD | 10 | -1.13 | 33.868 | 27.26 | 81.77 | 0.009 | 1442.6 | | | | | | | | | |
| STD | 20 | -1.06 | 34.205 | 27.53 | 56.22 | 0.016 | 1443.6 | | | | | | | | | |
| STD | 30 | -1.46 | 34.204 | 27.54 | 54.93 | 0.021 | 1441.9 | | | | | | | | | |
| STD | 50 | -1.56 | 34.232 | 27.57 | 52.44 | 0.032 | 1441.8 | | | | | | | | | |
| STD | 75 | -1.78 | 34.271 | 27.61 | 48.65 | 0.044 | 1441.2 | | | | | | | | | |
| STD | 100 | -1.76 | 34.311 | 27.64 | 45.54 | 0.056 | 1441.8 | | | | | | | | | |
| STD | 125 | -1.65 | 34.416 | 27.72 | 37.66 | 0.067 | 1442.9 | | | | | | | | | |
| STD | 150 | -0.46 | 34.551 | 27.79 | 31.82 | 0.075 | 1449.1 | | | | | | | | | |
| STD | 200 | 1.06 | 34.681 | 27.81 | 30.73 | 0.091 | 1457.0 | | | | | | | | | |
| STD | 250 | 1.18 | 34.706 | 27.82 | 29.86 | 0.106 | 1458.4 | | | | | | | | | |
| STD | 300 | 1.27 | 34.715 | 27.82 | 29.90 | 0.121 | 1459.6 | | | | | | | | | |
| STD | 315 | 1.26 | 34.713 | 27.82 | 30.06 | 0.125 | 1459.8 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 50 | 1436 | 1 | 3 | 30 | 11 | 71 | 11.5 | 6425.7S | 11957.1E | 540 | 3153 | -1.2 | | 114 | 92 | 2 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| STD | 0 | -1.07 | 33.750 | 27.16 | 91.06 | 0.000 | 1442.6 | | | | | | | | | |
| STD | 10 | -1.08 | 33.745 | 27.16 | 91.40 | 0.009 | 1442.7 | | | | | | | | | |
| STD | 20 | -1.09 | 34.204 | 27.53 | 56.22 | 0.017 | 1443.5 | | | | | | | | | |
| STD | 30 | -1.43 | 34.198 | 27.54 | 55.49 | 0.022 | 1442.1 | | | | | | | | | |
| STD | 50 | -1.59 | 34.219 | 27.56 | 53.36 | 0.033 | 1441.7 | | | | | | | | | |
| STD | 75 | -1.71 | 34.260 | 27.60 | 49.77 | 0.046 | 1441.6 | | | | | | | | | |
| STD | 100 | -1.78 | 34.306 | 27.64 | 45.88 | 0.058 | 1441.7 | | | | | | | | | |
| STD | 125 | -1.64 | 34.377 | 27.69 | 40.69 | 0.069 | 1442.9 | | | | | | | | | |
| STD | 150 | -0.61 | 34.585 | 27.82 | 28.51 | 0.077 | 1448.4 | | | | | | | | | |
| STD | 200 | 1.05 | 34.681 | 27.81 | 30.66 | 0.092 | 1456.9 | | | | | | | | | |
| STD | 250 | 1.22 | 34.700 | 27.81 | 30.58 | 0.107 | 1458.5 | | | | | | | | | |
| STD | 300 | 1.29 | 34.715 | 27.82 | 30.08 | 0.123 | 1459.7 | | | | | | | | | |
| STD | 309 | 1.28 | 34.716 | 27.82 | 29.95 | 0.125 | 1459.8 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 50 | 1436 | 1 | 3 | 30 | 11 | 71 | 12.0 | 6425.9S | 11956.2E | 540 | 3148 | -1.2 | | 114 | 92 | 3 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| STD | 0 | -1.10 | 33.737 | 27.16 | 91.99 | 0.000 | 1442.4 | | | | | | | | | |
| STD | 10 | -1.09 | 33.758 | 27.17 | 90.34 | 0.009 | 1442.7 | | | | | | | | | |
| STD | 20 | -1.35 | 34.211 | 27.55 | 54.79 | 0.016 | 1442.3 | | | | | | | | | |
| STD | 30 | -1.49 | 34.209 | 27.55 | 54.53 | 0.022 | 1441.8 | | | | | | | | | |
| STD | 50 | -1.62 | 34.228 | 27.57 | 52.52 | 0.033 | 1441.5 | | | | | | | | | |
| STD | 75 | -1.76 | 34.266 | 27.60 | 49.16 | 0.045 | 1441.3 | | | | | | | | | |
| STD | 100 | -1.87 | 34.303 | 27.63 | 45.87 | 0.057 | 1441.3 | | | | | | | | | |
| STD | 125 | -1.58 | 34.448 | 27.75 | 35.43 | 0.067 | 1443.2 | | | | | | | | | |
| STD | 150 | -0.43 | 34.555 | 27.79 | 31.60 | 0.076 | 1449.2 | | | | | | | | | |
| STD | 200 | 1.00 | 34.683 | 27.81 | 30.12 | 0.091 | 1456.7 | | | | | | | | | |
| STD | 250 | 1.23 | 34.708 | 27.82 | 30.05 | 0.106 | 1458.6 | | | | | | | | | |
| STD | 296 | 1.29 | 34.714 | 27.82 | 30.14 | 0.120 | 1459.6 | | | | | | | | | |

The plots for station 1436 appear inside the rear cover.

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------------|-------------------------|----------------------|------|--|-----|-----|-----|
| EL 50 | 1436 | 1 | 3 | 30 | 11 | 71 | 12.5 | 6426.1S | 11955.3E | 540 | 3143 | -1.1 | | 104 | 92 | 4 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² · μ gat/l | NITR 10· μ gat/l | SILIC μ gat/l | | | | | |
| STD | 0 | -1.13 | 33.693 | 27.12 | 95.25 | 0.000 | 1442.2 | | | | | | | | | |
| STD | 10 | -1.13 | 34.131 | 27.47 | 61.64 | 0.008 | 1443.1 | | | | | | | | | |
| STD | 20 | -1.16 | 34.202 | 27.53 | 56.09 | 0.014 | 1443.1 | | | | | | | | | |
| STD | 30 | -1.49 | 34.210 | 27.55 | 54.41 | 0.019 | 1441.8 | | | | | | | | | |
| STD | 50 | -1.60 | 34.226 | 27.57 | 52.80 | 0.030 | 1441.6 | | | | | | | | | |
| STD | 75 | -1.71 | 34.255 | 27.59 | 50.13 | 0.043 | 1441.5 | | | | | | | | | |
| STD | 100 | -1.71 | 34.293 | 27.62 | 47.02 | 0.055 | 1442.0 | | | | | | | | | |
| STD | 125 | -1.35 | 34.434 | 27.73 | 37.29 | 0.066 | 1444.3 | | | | | | | | | |
| STD | 150 | -0.52 | 34.540 | 27.78 | 32.38 | 0.074 | 1448.8 | | | | | | | | | |
| STD | 200 | 1.17 | 34.696 | 27.81 | 30.34 | 0.090 | 1457.5 | | | | | | | | | |
| STD | 250 | 1.28 | 34.713 | 27.82 | 30.06 | 0.105 | 1458.8 | | | | | | | | | |
| STD | 300 | 1.27 | 34.715 | 27.82 | 29.85 | 0.120 | 1459.6 | | | | | | | | | |
| STD | 308 | 1.25 | 34.714 | 27.82 | 29.91 | 0.122 | 1459.7 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------------|-------------------------|----------------------|------|--|-----|-----|-----|
| EL 50 | 1436 | 1 | 3 | 30 | 11 | 71 | 12.9 | 6426.3S | 11954.7E | 540 | 3138 | -1.0 | | 103 | 92 | 5 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² · μ gat/l | NITR 10· μ gat/l | SILIC μ gat/l | | | | | |
| STD | 0 | -1.19 | 33.668 | 27.10 | 97.01 | 0.000 | 1441.9 | | | | | | | | | |
| STD | 10 | -1.00 | 34.075 | 27.42 | 66.38 | 0.008 | 1443.5 | | | | | | | | | |
| STD | 20 | -1.06 | 34.212 | 27.54 | 55.69 | 0.014 | 1443.7 | | | | | | | | | |
| STD | 30 | -1.57 | 34.215 | 27.56 | 53.79 | 0.020 | 1441.4 | | | | | | | | | |
| STD | 50 | -1.65 | 34.234 | 27.57 | 52.00 | 0.030 | 1441.4 | | | | | | | | | |
| STD | 75 | -1.77 | 34.266 | 27.60 | 49.15 | 0.043 | 1441.3 | | | | | | | | | |
| STD | 100 | -1.83 | 34.309 | 27.64 | 45.51 | 0.055 | 1441.5 | | | | | | | | | |
| STD | 125 | -1.24 | 34.468 | 27.75 | 35.06 | 0.065 | 1444.9 | | | | | | | | | |
| STD | 150 | 0.05 | 34.637 | 27.83 | 27.92 | 0.073 | 1451.5 | | | | | | | | | |
| STD | 200 | 1.23 | 34.701 | 27.81 | 30.43 | 0.087 | 1457.8 | | | | | | | | | |
| STD | 250 | 1.23 | 34.713 | 27.82 | 29.70 | 0.102 | 1458.6 | | | | | | | | | |
| STD | 300 | 1.27 | 34.714 | 27.82 | 30.04 | 0.117 | 1459.6 | | | | | | | | | |
| STD | 303 | 1.26 | 34.715 | 27.82 | 29.90 | 0.118 | 1459.6 | | | | | | | | | |

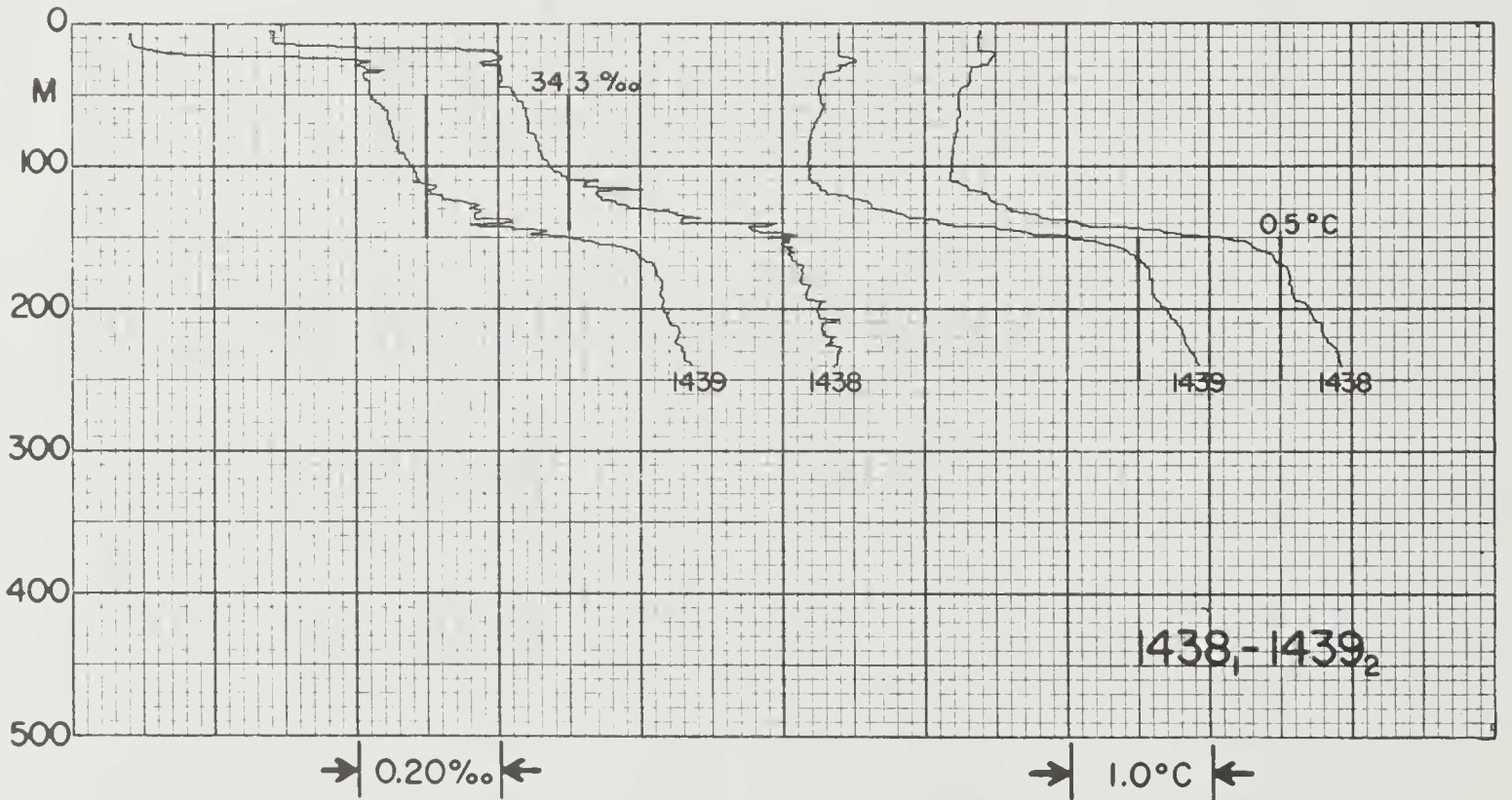
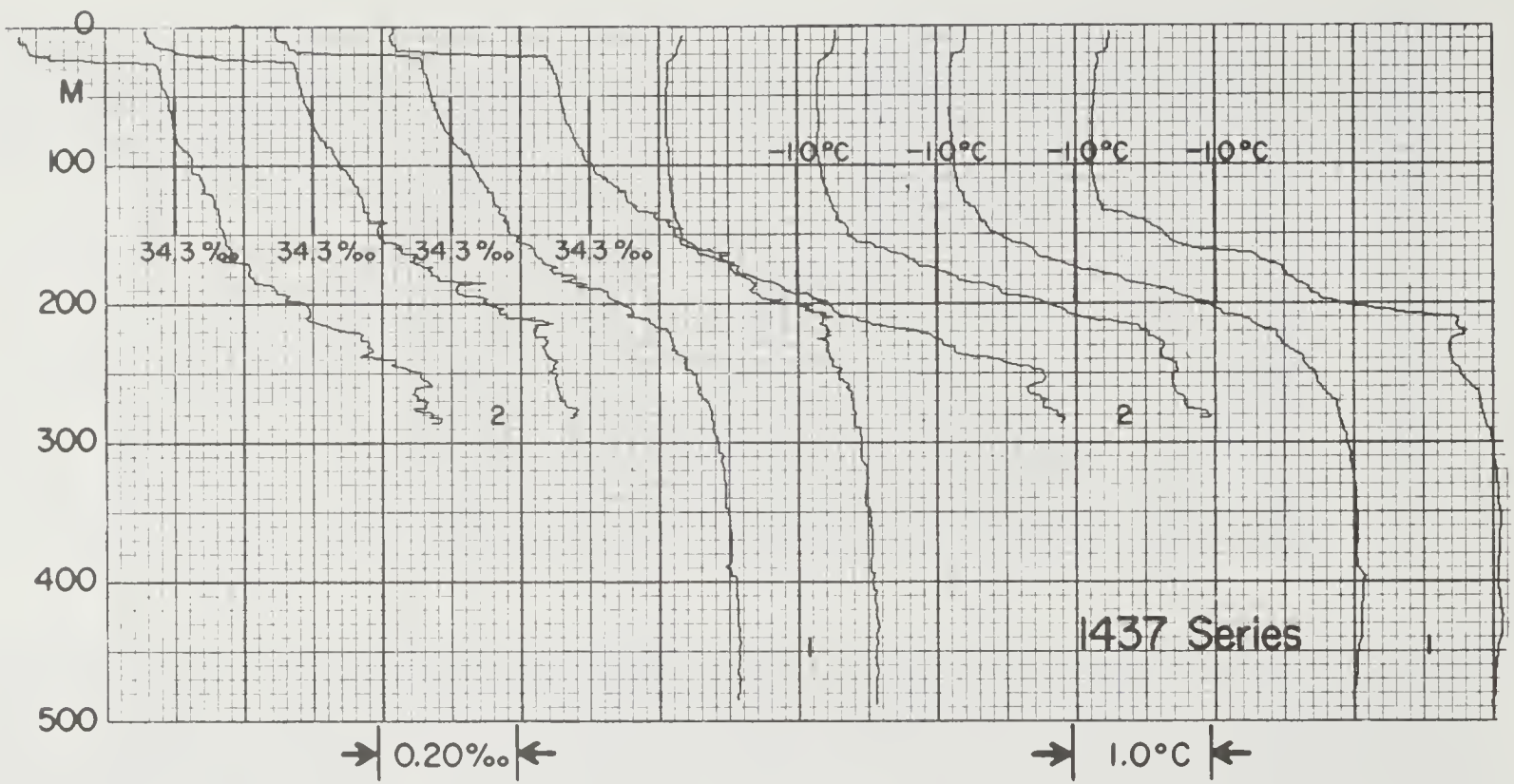
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 50 | 1436 | 1 | 3 | 30 | 11 | 71 | 13.4 | 6426.6S | 11953.9E | 540 | 3142 | -1.0 | | 104 | 92 | 6 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² .ml/l | PHOS 10 ² .µgat/l | NITR 10.µgat/l | SILIC µgat/l | | | | | |
| STD | 0 | -1.21 | 33.626 | 27.07 | 100.12 | 0.000 | 1441.8 | | | | | | | | | |
| STD | 10 | -0.94 | 34.179 | 27.51 | 58.63 | 0.008 | 1444.0 | | | | | | | | | |
| STD | 20 | -1.51 | 34.207 | 27.55 | 54.69 | 0.014 | 1441.5 | | | | | | | | | |
| STD | 30 | -1.60 | 34.214 | 27.56 | 53.79 | 0.019 | 1441.3 | | | | | | | | | |
| STD | 50 | -1.56 | 34.228 | 27.57 | 52.69 | 0.030 | 1441.8 | | | | | | | | | |
| STD | 75 | -1.74 | 34.258 | 27.60 | 49.81 | 0.042 | 1441.4 | | | | | | | | | |
| STD | 100 | -1.74 | 34.304 | 27.63 | 46.15 | 0.054 | 1441.9 | | | | | | | | | |
| STD | 125 | -1.38 | 34.412 | 27.71 | 38.81 | 0.065 | 1444.2 | | | | | | | | | |
| STD | 150 | -0.03 | 34.690 | 27.88 | 23.41 | 0.073 | 1451.2 | | | | | | | | | |
| STD | 200 | 1.13 | 34.686 | 27.81 | 30.77 | 0.086 | 1457.3 | | | | | | | | | |
| STD | 250 | 1.21 | 34.701 | 27.81 | 30.39 | 0.102 | 1458.5 | | | | | | | | | |
| STD | 300 | 1.22 | 34.703 | 27.81 | 30.45 | 0.117 | 1459.4 | | | | | | | | | |
| STD | 304 | 1.21 | 34.707 | 27.82 | 30.14 | 0.118 | 1459.4 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 50 | 1436 | 1 | 3 | 30 | 11 | 71 | 14.3 | 6427.0S | 11952.6E | 540 | 3143 | -0.9 | | 104 | 92 | 8 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² .ml/l | PHOS 10 ² .µgat/l | NITR 10.µgat/l | SILIC µgat/l | | | | | |
| STD | 0 | -1.34 | 33.621 | 27.07 | 100.17 | 0.000 | 1441.1 | | | | | | | | | |
| STD | 10 | -1.15 | 34.217 | 27.54 | 54.98 | 0.008 | 1443.0 | | | | | | | | | |
| STD | 20 | -1.42 | 34.202 | 27.54 | 55.29 | 0.013 | 1442.0 | | | | | | | | | |
| STD | 30 | -1.67 | 34.214 | 27.56 | 53.62 | 0.019 | 1440.9 | | | | | | | | | |
| STD | 50 | -1.74 | 34.230 | 27.57 | 52.11 | 0.029 | 1441.0 | | | | | | | | | |
| STD | 75 | -1.81 | 34.268 | 27.61 | 48.82 | 0.042 | 1441.1 | | | | | | | | | |
| STD | 100 | -1.83 | 34.310 | 27.64 | 45.47 | 0.054 | 1441.5 | | | | | | | | | |
| STD | 125 | -1.26 | 34.436 | 27.73 | 37.43 | 0.064 | 1444.8 | | | | | | | | | |
| STD | 150 | 0.26 | 34.620 | 27.81 | 30.33 | 0.073 | 1452.4 | | | | | | | | | |
| STD | 200 | 0.87 | 34.678 | 27.82 | 29.67 | 0.088 | 1456.1 | | | | | | | | | |
| STD | 250 | 1.01 | 34.706 | 27.83 | 28.62 | 0.102 | 1457.6 | | | | | | | | | |
| STD | 300 | 1.13 | 34.716 | 27.83 | 28.86 | 0.116 | 1459.0 | | | | | | | | | |
| STD | 304 | 1.10 | 34.704 | 27.82 | 29.60 | 0.118 | 1458.9 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 50 | 1436 | 1 | 3 | 30 | 11 | 71 | 13.9 | 6426.8S | 11953.2E | 540 | 3140 | -0.9 | | 104 | 92 | 7 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² .ml/l | PHOS 10 ² .µgat/l | NITR 10.µgat/l | SILIC µgat/l | | | | | |
| STD | 0 | -1.22 | 33.640 | 27.08 | 99.04 | 0.000 | 1441.8 | | | | | | | | | |
| STD | 10 | -0.95 | 34.197 | 27.52 | 57.23 | 0.008 | 1443.9 | | | | | | | | | |
| STD | 20 | -1.55 | 34.212 | 27.55 | 54.14 | 0.013 | 1441.3 | | | | | | | | | |
| STD | 30 | -1.65 | 34.220 | 27.56 | 53.25 | 0.019 | 1441.0 | | | | | | | | | |
| STD | 50 | -1.72 | 34.236 | 27.58 | 51.72 | 0.029 | 1441.1 | | | | | | | | | |
| STD | 75 | -1.80 | 34.270 | 27.61 | 48.71 | 0.042 | 1441.1 | | | | | | | | | |
| STD | 100 | -1.69 | 34.308 | 27.63 | 45.97 | 0.054 | 1442.1 | | | | | | | | | |
| STD | 125 | -1.38 | 34.397 | 27.70 | 39.98 | 0.064 | 1444.1 | | | | | | | | | |
| STD | 150 | 0.15 | 34.650 | 27.84 | 27.39 | 0.073 | 1452.0 | | | | | | | | | |
| STD | 200 | 1.06 | 34.684 | 27.81 | 30.51 | 0.087 | 1457.0 | | | | | | | | | |
| STD | 250 | 1.15 | 34.699 | 27.82 | 30.09 | 0.102 | 1458.2 | | | | | | | | | |
| STD | 300 | 1.20 | 34.713 | 27.82 | 29.58 | 0.117 | 1459.3 | | | | | | | | | |
| STD | 306 | 1.21 | 34.713 | 27.82 | 29.66 | 0.119 | 1459.4 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1436 | 1 | 3 | 30 | 11 | 71 | 14.7 | 6427.1S | 11952.1E | 540 | 3146 | -1.1 | | 104 | 92 | 9 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| STD | 0 | -1.41 | | 33.634 | | 27.08 | | 98.99 | 0.000 | 1440.8 | | | | | | |
| STD | 10 | -1.14 | | 34.172 | | 27.51 | | 58.48 | 0.008 | 1443.0 | | | | | | |
| STD | 20 | -1.47 | | 34.183 | | 27.53 | | 56.65 | 0.014 | 1441.6 | | | | | | |
| STD | 30 | -1.57 | | 34.204 | | 27.55 | | 54.69 | 0.019 | 1441.4 | | | | | | |
| STD | 50 | -1.73 | | 34.220 | | 27.56 | | 52.92 | 0.030 | 1441.0 | | | | | | |
| STD | 75 | -1.77 | | 34.267 | | 27.60 | | 49.05 | 0.043 | 1441.3 | | | | | | |
| STD | 100 | -1.76 | | 34.315 | | 27.64 | | 45.23 | 0.054 | 1441.8 | | | | | | |
| STD | 125 | -1.16 | | 34.452 | | 27.73 | | 36.55 | 0.065 | 1445.2 | | | | | | |
| STD | 150 | 0.11 | | 34.575 | | 27.78 | | 32.89 | 0.073 | 1451.7 | | | | | | |
| STD | 200 | 0.77 | | 34.654 | | 27.80 | | 30.82 | 0.089 | 1455.6 | | | | | | |
| STD | 250 | 1.01 | | 34.681 | | 27.81 | | 30.52 | 0.105 | 1457.6 | | | | | | |
| STD | 300 | 1.06 | | 34.693 | | 27.82 | | 30.06 | 0.120 | 1458.7 | | | | | | |
| STD | 303 | 1.07 | | 34.695 | | 27.82 | | 29.97 | 0.121 | 1458.7 | | | | | | |

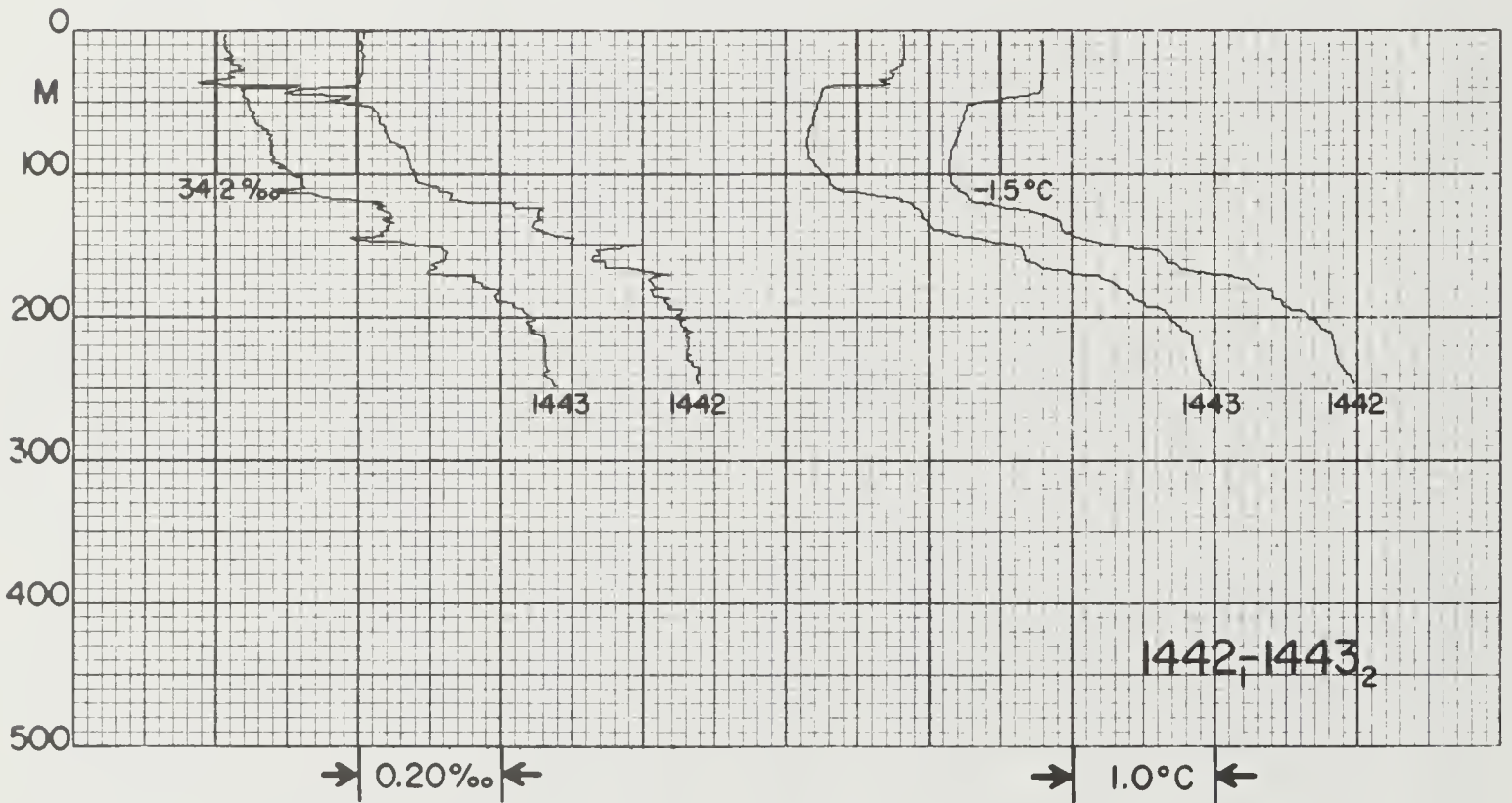
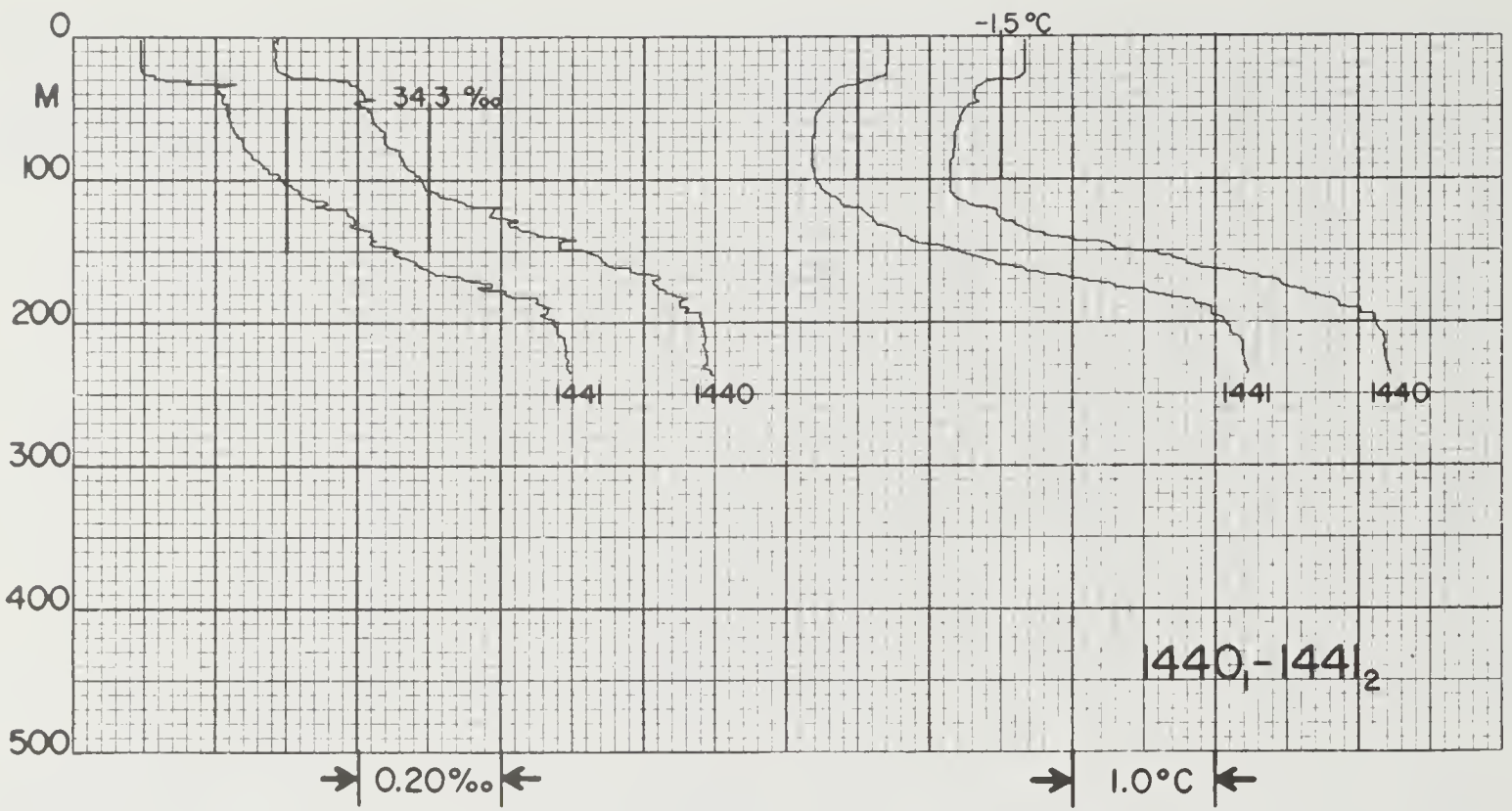
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1436 | 1 | 3 | 30 | 11 | 71 | 15.1 | 6427.1S | 11951.2E | 540 | 3148 | -1.2 | | 114 | 92 | 10 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| STD | 0 | -1.49 | | 33.657 | | 27.10 | | 96.99 | 0.000 | 1440.5 | | | | | | |
| STD | 10 | -1.26 | | 34.196 | | 27.53 | | 56.31 | 0.008 | 1442.5 | | | | | | |
| STD | 20 | -1.52 | | 34.196 | | 27.54 | | 55.48 | 0.013 | 1441.4 | | | | | | |
| STD | 30 | -1.70 | | 34.212 | | 27.56 | | 53.67 | 0.019 | 1440.8 | | | | | | |
| STD | 50 | -1.77 | | 34.227 | | 27.57 | | 52.23 | 0.029 | 1440.8 | | | | | | |
| STD | 75 | -1.82 | | 34.267 | | 27.60 | | 48.95 | 0.042 | 1441.1 | | | | | | |
| STD | 100 | -1.77 | | 34.315 | | 27.64 | | 45.25 | 0.054 | 1441.8 | | | | | | |
| STD | 125 | -1.13 | | 34.482 | | 27.76 | | 34.31 | 0.064 | 1445.4 | | | | | | |
| STD | 150 | -0.03 | | 34.593 | | 27.80 | | 30.77 | 0.072 | 1451.1 | | | | | | |
| STD | 200 | 0.75 | | 34.664 | | 27.81 | | 30.00 | 0.087 | 1455.6 | | | | | | |
| STD | 250 | 0.99 | | 34.683 | | 27.81 | | 30.22 | 0.102 | 1457.5 | | | | | | |
| STD | 300 | 1.04 | | 34.700 | | 27.82 | | 29.44 | 0.117 | 1458.6 | | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1437 | 1 | 3 | 1 | 12 | 71 | 1.1 | 6426.9S | 11940.6E | 540 | 3181 | -2.0 | | 126 | 0 | 1 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CBS1 | 1 | | | 34.017 | | | | | | | | | | | | |
| STD | 0 | -1.75 | | 34.019 | | 27.40 | | 68.63 | 0.000 | 1439.8 | | | | | | |
| STD | 10 | -1.75 | | 34.013 | | 27.40 | | 68.95 | 0.007 | 1440.0 | | | | | | |
| STD | 20 | -1.78 | | 34.059 | | 27.44 | | 65.29 | 0.014 | 1440.0 | | | | | | |
| STD | 30 | -1.84 | | 34.249 | | 27.59 | | 50.54 | 0.019 | 1440.2 | | | | | | |
| STD | 50 | -1.86 | | 34.259 | | 27.60 | | 49.63 | 0.029 | 1440.4 | | | | | | |
| STD | 75 | -1.87 | | 34.274 | | 27.61 | | 48.27 | 0.042 | 1440.8 | | | | | | |
| STD | 100 | -1.87 | | 34.303 | | 27.64 | | 45.87 | 0.053 | 1441.3 | | | | | | |
| STD | 125 | -1.83 | | 34.355 | | 27.68 | | 41.87 | 0.064 | 1441.9 | | | | | | |
| STD | 150 | -1.36 | | 34.424 | | 27.72 | | 37.84 | 0.074 | 1444.7 | | | | | | |
| STD | 200 | -0.13 | | 34.575 | | 27.79 | | 31.55 | 0.092 | 1451.4 | | | | | | |
| STD | 250 | 0.78 | | 34.662 | | 27.81 | | 30.40 | 0.107 | 1456.5 | | | | | | |
| STD | 300 | 1.01 | | 34.695 | | 27.82 | | 29.55 | 0.122 | 1458.4 | | | | | | |
| STD | 400 | 1.05 | | 34.711 | | 27.83 | | 28.92 | 0.151 | 1460.3 | | | | | | |
| STD | 490 | 1.01 | | 34.716 | | 27.84 | | 28.44 | 0.177 | 1461.6 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1437 | 1 | 3 | 1 | 12 | 71 | 2.0 | 6427.2S | 11938.2E | 540 | 3193 | -2.0 | | 126 | 0 | 2 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| STD | 0 | -1.73 | | 34.059 | | 27.43 | | 65.58 | 0.000 | 1439.9 | | | | | | |
| STD | 10 | -1.73 | | 34.062 | | 27.44 | | 65.27 | 0.007 | 1440.1 | | | | | | |
| STD | 20 | -1.77 | | 34.109 | | 27.48 | | 61.45 | 0.013 | 1440.1 | | | | | | |
| STD | 30 | -1.85 | | 34.276 | | 27.61 | | 48.42 | 0.018 | 1440.2 | | | | | | |
| STD | 50 | -1.86 | | 34.286 | | 27.62 | | 47.50 | 0.028 | 1440.5 | | | | | | |
| STD | 75 | -1.85 | | 34.305 | | 27.64 | | 45.88 | 0.040 | 1440.9 | | | | | | |
| STD | 100 | -1.84 | | 34.339 | | 27.66 | | 43.18 | 0.051 | 1441.5 | | | | | | |
| STD | 125 | -1.78 | | 34.372 | | 27.69 | | 40.69 | 0.061 | 1442.2 | | | | | | |
| STD | 150 | -1.64 | | 34.393 | | 27.70 | | 39.29 | 0.071 | 1443.3 | | | | | | |
| STD | 200 | -0.22 | | 34.551 | | 27.78 | | 32.96 | 0.089 | 1451.0 | | | | | | |
| STD | 250 | 0.72 | | 34.642 | | 27.80 | | 31.54 | 0.105 | 1456.2 | | | | | | |
| STD | 283 | 0.90 | | 34.671 | | 27.81 | | 30.61 | 0.116 | 1457.6 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1438 | 1 | 3 | 1 | 12 | 71 | 3.4 | 6424.4S | 11944.2E | 540 | 3194 | -1.5 | | 126 | 2 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CBS1 | 1 | | | 33.896 | | | | | | | | | | 67 | | |
| STD | 0 | -1.61 | | 33.880 | | 27.29 | | 79.58 | 0.000 | 1440.2 | | | | | | |
| STD | 10 | -1.62 | | 33.885 | | 27.29 | | 79.11 | 0.008 | 1440.4 | | | | | | |
| STD | 20 | -1.62 | | 34.192 | | 27.54 | | 55.48 | 0.015 | 1441.0 | | | | | | |
| STD | 30 | -1.61 | | 34.205 | | 27.55 | | 54.47 | 0.020 | 1441.2 | | | | | | |
| STD | 50 | -1.76 | | 34.225 | | 27.57 | | 52.45 | 0.031 | 1440.9 | | | | | | |
| STD | 75 | -1.77 | | 34.244 | | 27.59 | | 50.77 | 0.044 | 1441.2 | | | | | | |
| STD | 100 | -1.81 | | 34.272 | | 27.61 | | 48.40 | 0.056 | 1441.5 | | | | | | |
| STD | 125 | -1.52 | | 34.365 | | 27.68 | | 41.97 | 0.067 | 1443.4 | | | | | | |
| STD | 150 | 0.04 | | 34.592 | | 27.80 | | 31.21 | 0.077 | 1451.4 | | | | | | |
| STD | 200 | 0.70 | | 34.650 | | 27.80 | | 30.76 | 0.092 | 1455.3 | | | | | | |
| STD | 241 | 0.93 | | 34.674 | | 27.81 | | 30.51 | 0.105 | 1457.0 | | | | | | |

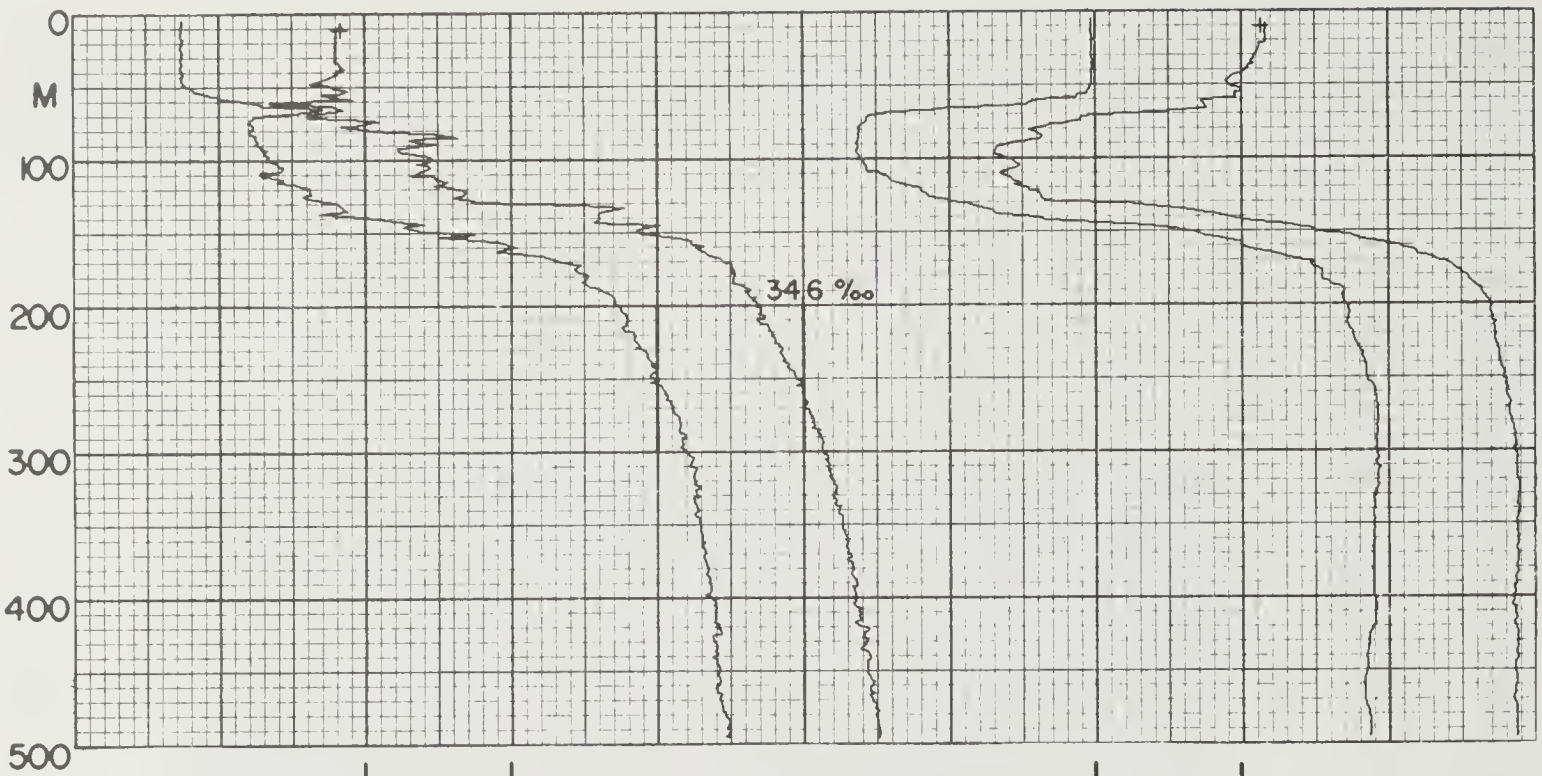


| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1440 | 1 | 3 | 1 | 12 | 71 | 4.8 | 6420.6S | 11952.6E | 540 | 3174 | -1.5 | | 126 | 114 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| OBS1 | 1 | | | 34.085 | | | | | | | | | | 66 | | |
| STD | 0 | -1.33 | | 34.082 | | 27.44 | | 64.90 | 0.000 | 1441.9 | | | | | | |
| STD | 10 | -1.33 | | 34.084 | | 27.44 | | 64.67 | 0.006 | 1442.0 | | | | | | |
| STD | 20 | -1.33 | | 34.084 | | 27.44 | | 64.58 | 0.013 | 1442.2 | | | | | | |
| STD | 30 | -1.38 | | 34.138 | | 27.49 | | 60.26 | 0.019 | 1442.2 | | | | | | |
| STD | 50 | -1.73 | | 34.207 | | 27.55 | | 53.88 | 0.031 | 1441.0 | | | | | | |
| STD | 75 | -1.82 | | 34.237 | | 27.58 | | 51.24 | 0.044 | 1441.0 | | | | | | |
| STD | 100 | -1.85 | | 34.287 | | 27.62 | | 47.15 | 0.056 | 1441.3 | | | | | | |
| STD | 125 | -1.52 | | 34.386 | | 27.69 | | 40.35 | 0.067 | 1443.4 | | | | | | |
| STD | 150 | -0.69 | | 34.499 | | 27.76 | | 34.74 | 0.076 | 1447.9 | | | | | | |
| STD | 200 | 1.12 | | 34.682 | | 27.80 | | 31.10 | 0.093 | 1457.2 | | | | | | |
| STD | 238 | 1.23 | | 34.698 | | 27.81 | | 30.80 | 0.105 | 1458.4 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1442 | 1 | 3 | 1 | 12 | 71 | 6.4 | 6417.1S | 11957.7E | 540 | 3187 | -1.1 | | 116 | 104 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| OBS1 | 1 | | | 34.208 | | | | | | | | | | 62 | | |
| STD | 0 | -1.21 | | 34.204 | | 27.54 | | 55.85 | 0.000 | 1442.6 | | | | | | |
| STD | 10 | -1.20 | | 34.205 | | 27.54 | | 55.77 | 0.006 | 1442.8 | | | | | | |
| STD | 20 | -1.20 | | 34.206 | | 27.54 | | 55.63 | 0.011 | 1443.0 | | | | | | |
| STD | 30 | -1.20 | | 34.205 | | 27.54 | | 55.68 | 0.017 | 1443.1 | | | | | | |
| STD | 50 | -1.60 | | 34.156 | | 27.51 | | 58.16 | 0.028 | 1441.5 | | | | | | |
| STD | 75 | -1.80 | | 34.243 | | 27.59 | | 50.78 | 0.042 | 1441.1 | | | | | | |
| STD | 100 | -1.85 | | 34.279 | | 27.62 | | 47.78 | 0.054 | 1441.3 | | | | | | |
| STD | 125 | -1.45 | | 34.462 | | 27.75 | | 34.75 | 0.064 | 1443.9 | | | | | | |
| STD | 150 | -0.77 | | 34.500 | | 27.76 | | 34.30 | 0.073 | 1447.5 | | | | | | |
| STD | 200 | 0.66 | | 34.648 | | 27.81 | | 30.58 | 0.089 | 1455.1 | | | | | | |
| STD | 247 | 0.98 | | 34.677 | | 27.81 | | 30.62 | 0.104 | 1457.4 | | | | | | |

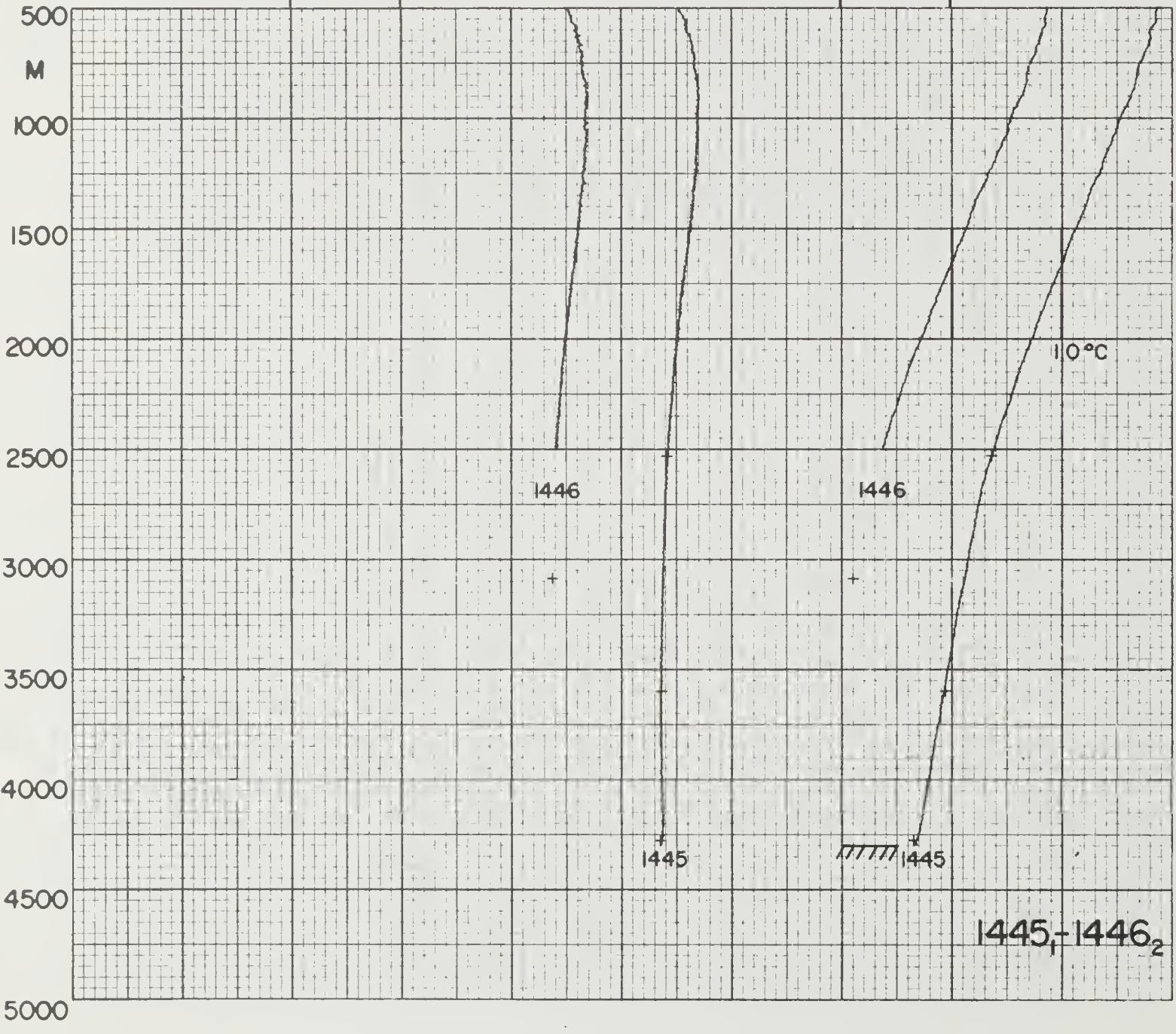


| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------|-------------------------------|---------------------------------|-------------------|-----------------|-----|
| EL 50 | 1444 | 0 | | 2 | 12 | 71 | 7.6 | 63C3.0S | 12444.5E | 539 | 4149 | -0.6 | | 85 | 84 | 23 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | |
| OBS | 1 | -0.68 | | 34.090 | | 27.42 | | | | 1444.9 | | 796 | | | 40 | |
| OBS | 27 | -0.71 | | 34.088 | | 27.42 | | | | 1445.2 | | | | | 42 | |
| OBS | 53 | -1.19 | | 34.156 | | 27.50 | | | | 1443.5 | | 806 | | | 41 | |
| OBS | 79 | -1.56 | | 34.299 | | 27.62 | | | | 1442.4 | | 693 | | | 59 | |
| OBS | 105 | -0.62 | | 34.407 | | 27.68 | | | | 1447.4 | | | | | 64 | |
| OBS | 131 | 1.03 | | 34.579 | | 27.73 | | | | 1455.5 | | 472 | | | 83 | |
| OBS | 156 | 1.35 | | 34.631 | | 27.75 | | | | 1457.5 | | 446 | | | 84 | |
| OBS | 207 | 1.46 | | 34.664 | | 27.77 | | | | 1458.8 | | 445 | | | 89 | |
| OBS | 305 | 1.52 | | 34.696 | | 27.79 | | | | 1460.8 | | 434 | | | 90 | |
| OBS | 406 | 1.53 | | 34.720 | | 27.81 | | | | 1462.5 | | 444 | | | 95 | |
| OBS | 606 | 1.49 | | 34.736 | | 27.82 | | | | 1465.7 | | 465 | | | 96 | |
| OBS | 806 | 1.29 | | 34.738 | | 27.84 | | | | 1468.1 | | 473 | | | 113 | |
| OBS | 958 | 1.17 | | 34.735 | | 27.84 | | | | 1470.1 | | | | | 106 | |
| OBS | 1255 | 0.90 | | 34.722 | | 27.85 | | | | 1473.8 | | 479 | | | 110 | |
| OBS | 1553 | 0.72 | | 34.708 | | 27.85 | | | | 1478.0 | | 485 | | | 122 | |
| OBS | 1949 | 0.45 | | 34.699 | | 27.86 | | | | 1483.5 | | 494 | | | 124 | |
| OBS | 2246 | 0.27 | | 34.690 | | 27.86 | | | | 1487.8 | | 508 | | | 134 | |
| OBS | 2544 | 0.15 | | 34.685 | | 27.86 | | | | 1492.4 | | 511 | | | 130 | |
| OBS | 2873 | 0.05 | | 34.683 | | 27.87 | | | | 1497.6 | | 530 | | | 139 | |
| OBS | 3143 | -0.07 | | 34.680 | | 27.87 | | | | 1501.7 | | 538 | | | 132 | |
| OBS | 3446 | -0.17 | | 34.678 | | 27.88 | | | | 1506.6 | | 551 | | | 128 | |
| OBS | 3748 | -0.23 | | 34.683 | | 27.88 | | | | 1511.6 | | 555 | | | 117 | |
| OBS | 4051 | -0.29 | | 34.680 | | 27.88 | | | | 1516.7 | | 567 | | | 124 | |
| PING | 95 | | | | | | | | | | | | | | | |
| ISL | 0 | -0.68 | | 34.090 | | 27.42 | | 66.44 | 0.000 | 1444.9 | | | | | | |
| ISL | 10 | -0.65 | | 34.081 | | 27.42 | | 67.19 | 0.007 | 1445.2 | | | | | | |
| ISL | 20 | -0.67 | | 34.082 | | 27.42 | | 67.07 | 0.013 | 1445.3 | | | | | | |
| ISL | 30 | -0.76 | | 34.092 | | 27.43 | | 65.90 | 0.020 | 1445.0 | | | | | | |
| ISL | 50 | -1.14 | | 34.144 | | 27.49 | | 60.43 | 0.033 | 1443.7 | | | | | | |
| ISL | 75 | -1.56 | | 34.279 | | 27.61 | | 48.67 | 0.046 | 1442.3 | | | | | | |
| ISL | 100 | -0.88 | | 34.383 | | 27.67 | | 42.94 | 0.058 | 1446.0 | | | | | | |
| ISL | 125 | 0.70 | | 34.544 | | 27.72 | | 38.64 | 0.068 | 1453.9 | | | | | | |
| ISL | 150 | 1.31 | | 34.623 | | 27.74 | | 36.68 | 0.077 | 1457.1 | | | | | | |
| ISL | 200 | 1.45 | | 34.661 | | 27.76 | | 35.02 | 0.095 | 1458.7 | | | | | | |
| ISL | 250 | 1.50 | | 34.681 | | 27.78 | | 34.06 | 0.113 | 1459.7 | | | | | | |
| ISL | 300 | 1.52 | | 34.695 | | 27.79 | | 33.33 | 0.129 | 1460.7 | | | | | | |
| ISL | 400 | 1.53 | | 34.719 | | 27.80 | | 31.94 | 0.162 | 1462.4 | | | | | | |
| ISL | 500 | 1.53 | | 34.732 | | 27.81 | | 31.29 | 0.194 | 1464.1 | | | | | | |
| ISL | 600 | 1.49 | | 34.736 | | 27.82 | | 31.07 | 0.225 | 1465.6 | | | | | | |
| ISL | 700 | 1.39 | | 34.739 | | 27.83 | | 30.33 | 0.256 | 1466.8 | | | | | | |
| ISL | 800 | 1.30 | | 34.738 | | 27.84 | | 29.84 | 0.286 | 1468.0 | | | | | | |
| ISL | 900 | 1.22 | | 34.737 | | 27.84 | | 29.54 | 0.315 | 1469.3 | | | | | | |
| ISL | 1000 | 1.13 | | 34.734 | | 27.84 | | 29.28 | 0.345 | 1470.6 | | | | | | |
| ISL | 1100 | 1.05 | | 34.729 | | 27.85 | | 29.06 | 0.374 | 1471.9 | | | | | | |
| ISL | 1200 | 0.95 | | 34.724 | | 27.85 | | 28.71 | 0.403 | 1473.1 | | | | | | |
| ISL | 1300 | 0.87 | | 34.720 | | 27.85 | | 28.53 | 0.431 | 1474.5 | | | | | | |
| ISL | 1400 | 0.81 | | 34.715 | | 27.85 | | 28.49 | 0.460 | 1475.9 | | | | | | |
| ISL | 1500 | 0.75 | | 34.711 | | 27.85 | | 28.42 | 0.488 | 1477.3 | | | | | | |
| ISL | 1750 | 0.59 | | 34.704 | | 27.86 | | 27.55 | 0.558 | 1480.1 | | | | | | |
| ISL | 2000 | 0.42 | | 34.698 | | 27.86 | | 26.48 | 0.626 | 1484.1 | | | | | | |
| ISL | 2250 | 0.27 | | 34.690 | | 27.86 | | 25.52 | 0.691 | 1487.1 | | | | | | |
| ISL | 2500 | 0.17 | | 34.685 | | 27.86 | | 24.71 | 0.754 | 1491.1 | | | | | | |
| ISL | 2750 | 0.09 | | 34.684 | | 27.87 | | 23.90 | 0.814 | 1495.1 | | | | | | |
| ISL | 3000 | -0.01 | | 34.682 | | 27.87 | | 22.83 | 0.873 | 1499.1 | | | | | | |
| ISL | 3250 | -0.11 | | 34.679 | | 27.87 | | 21.60 | 0.928 | 1503.1 | | | | | | |
| ISL | 3500 | -0.18 | | 34.678 | | 27.88 | | 20.53 | 0.981 | 1507.1 | | | | | | |
| ISL | 3750 | -0.23 | | 34.683 | | 27.88 | | 19.31 | 1.031 | 1511.1 | | | | | | |
| ISL | 4000 | -0.28 | | 34.681 | | 27.88 | | 18.54 | 1.078 | 1515.1 | | | | | | |



→ 0.20‰ ←

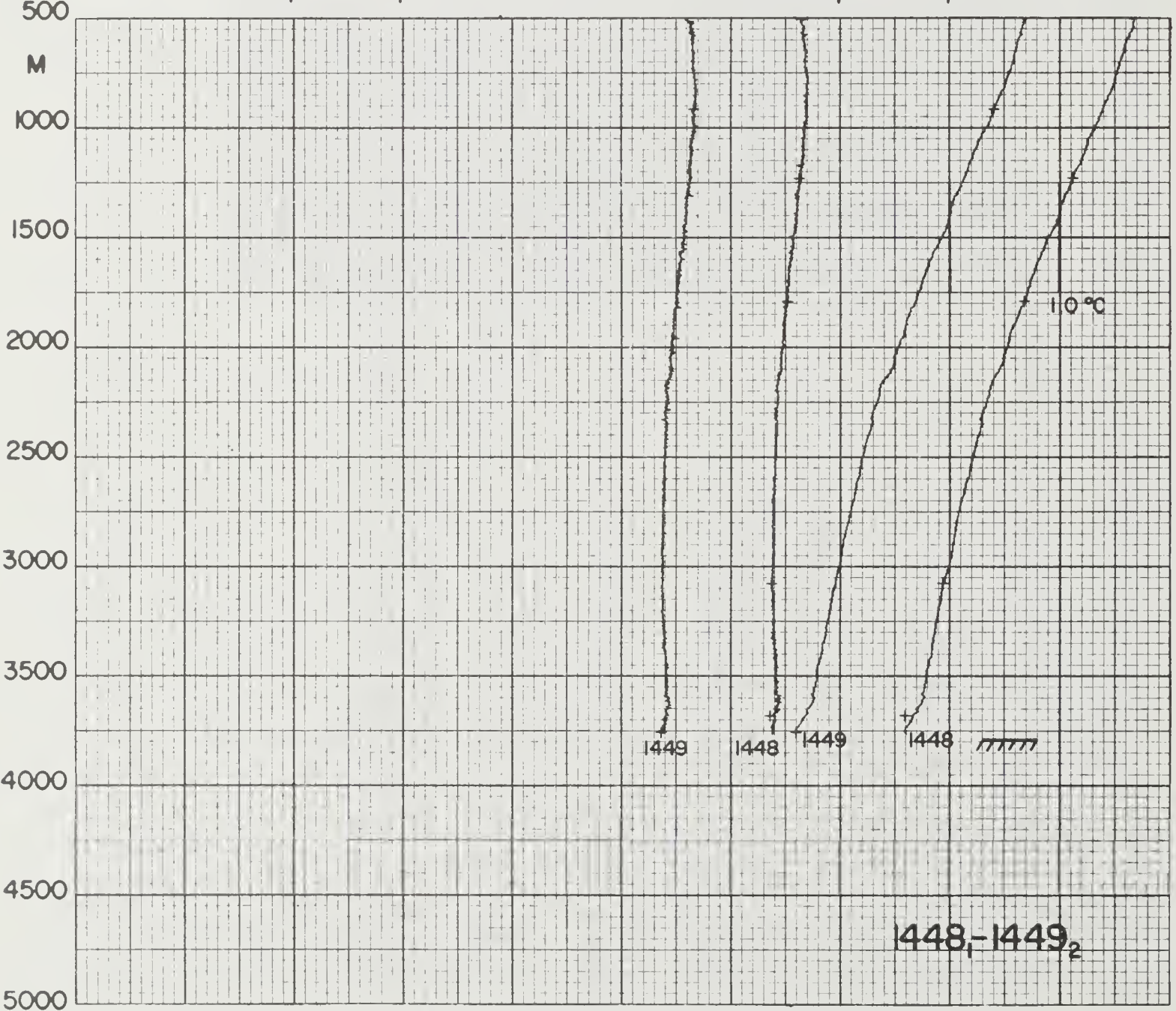
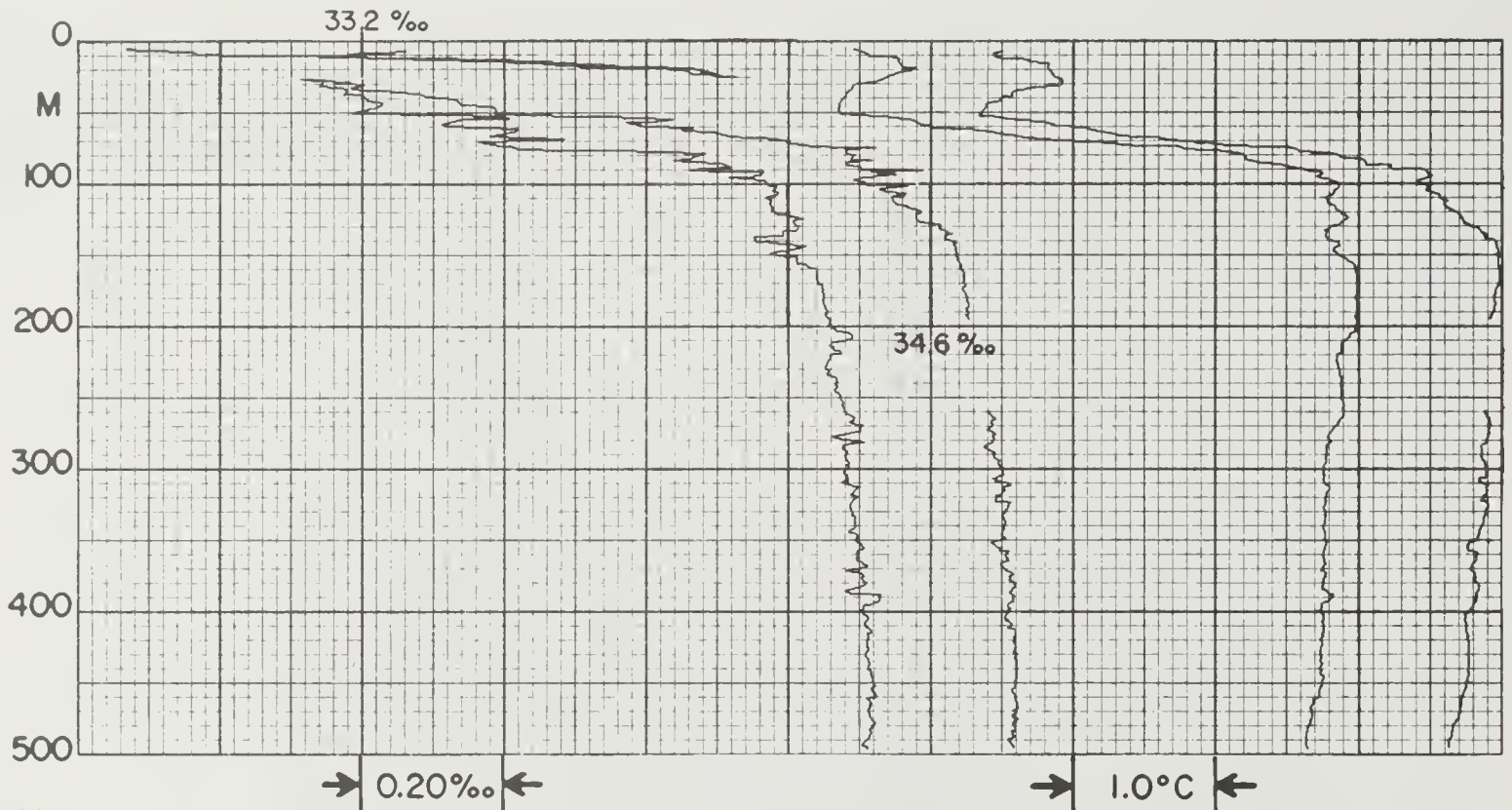
→ 1.0°C ←



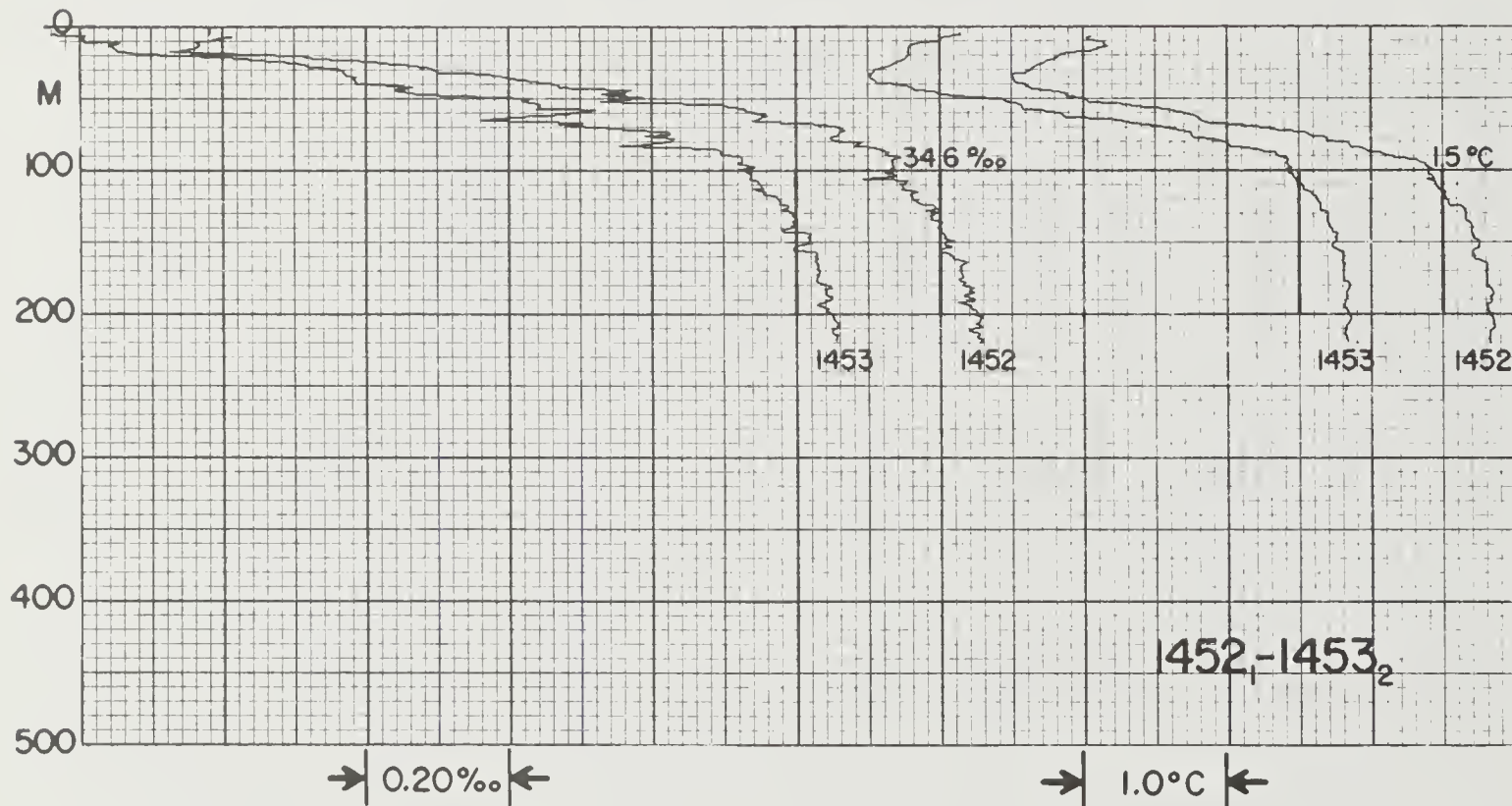
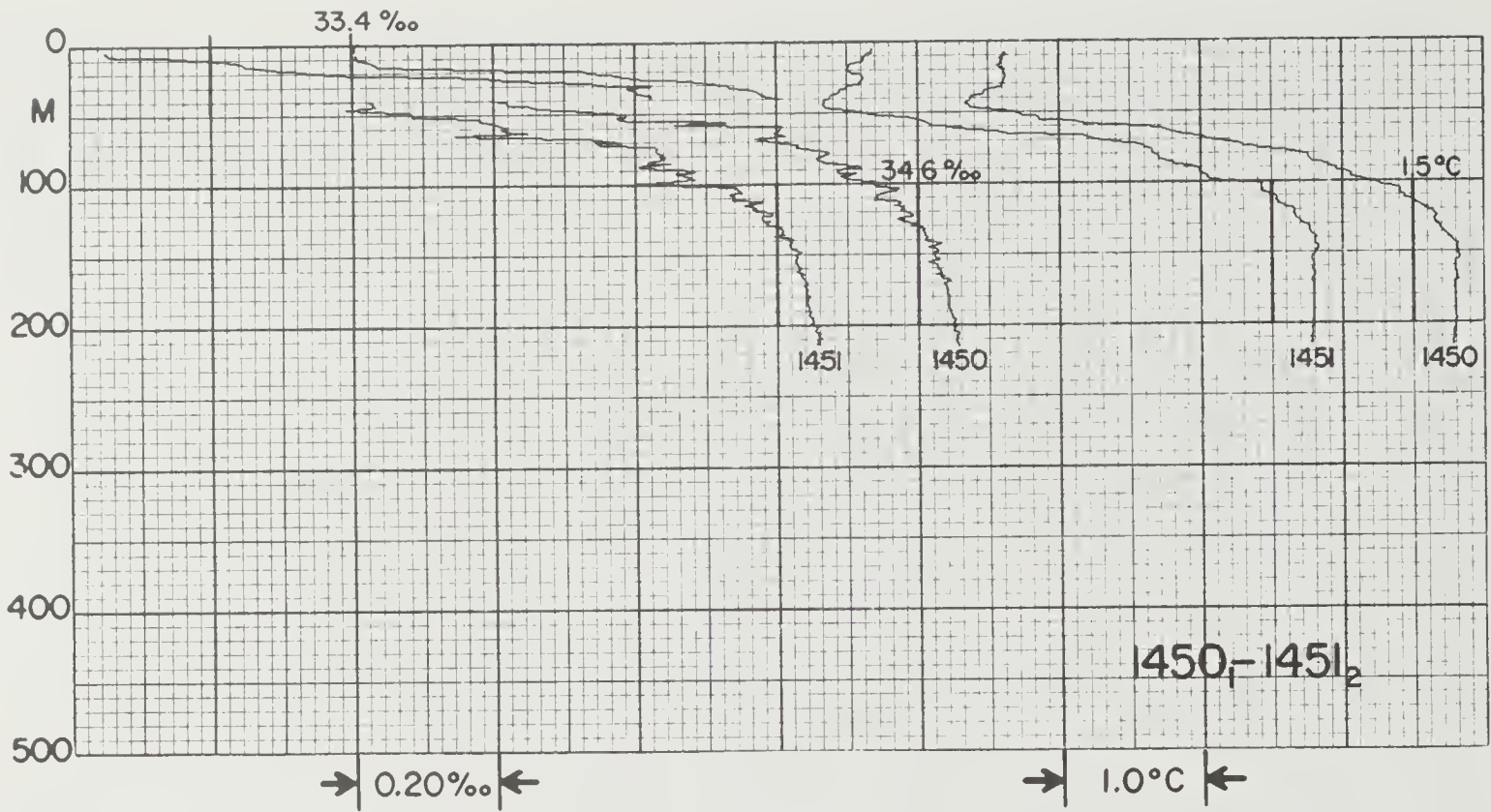
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1445 | 1 | 1 | 3 | 12 | 71 | 10.4 | 6300.0S | 13000.5E | 538 | 4287 | 0.0 | | 106 | 104 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CCM1 | 12 | 0.14 | | 33.968 | | 27.29 | | | | | 817 | | | 26 | | |
| COM1 | 2541 | 0.39 | | 34.688 | | 27.85 | | | | | 499 | | | 130 | | |
| CCM1 | 3611 | -0.03 | | 34.678 | | 27.87 | | | | | 544 | | | 133 | | |
| CCM1 | 4290 | -0.32 | | 34.676 | | 27.88 | | | | | 573 | | | 113 | | |
| STD | 0 | 0.17 | | 33.970 | | 27.29 | | 79.36 | 0.000 | 1448.7 | | | | | | |
| STD | 10 | 0.17 | | 33.970 | | 27.29 | | 79.35 | 0.008 | 1448.8 | | | | | | |
| STD | 20 | 0.17 | | 33.962 | | 27.28 | | 79.94 | 0.016 | 1449.0 | | | | | | |
| STD | 30 | 0.11 | | 33.963 | | 27.29 | | 79.56 | 0.024 | 1448.8 | | | | | | |
| STD | 50 | -0.09 | | 33.949 | | 27.29 | | 79.55 | 0.040 | 1448.2 | | | | | | |
| STD | 75 | -1.10 | | 34.017 | | 27.38 | | 70.20 | 0.059 | 1444.1 | | | | | | |
| STD | 100 | -1.62 | | 34.093 | | 27.46 | | 62.62 | 0.075 | 1442.1 | | | | | | |
| STD | 125 | -1.38 | | 34.138 | | 27.49 | | 59.78 | 0.090 | 1443.8 | | | | | | |
| STD | 150 | 0.48 | | 34.375 | | 27.60 | | 50.14 | 0.104 | 1453.1 | | | | | | |
| STD | 200 | 1.71 | | 34.540 | | 27.65 | | 46.11 | 0.128 | 1459.6 | | | | | | |
| STD | 250 | 1.80 | | 34.591 | | 27.68 | | 43.15 | 0.151 | 1461.0 | | | | | | |
| STD | 300 | 1.88 | | 34.629 | | 27.71 | | 41.06 | 0.172 | 1462.2 | | | | | | |
| STD | 400 | 1.87 | | 34.674 | | 27.74 | | 38.08 | 0.211 | 1463.9 | | | | | | |
| STD | 500 | 1.89 | | 34.709 | | 27.77 | | 36.08 | 0.248 | 1465.7 | | | | | | |
| STD | 600 | 1.84 | | 34.722 | | 27.78 | | 35.07 | 0.284 | 1467.1 | | | | | | |
| STD | 700 | 1.78 | | 34.733 | | 27.80 | | 34.14 | 0.318 | 1468.5 | | | | | | |
| STD | 800 | 1.70 | | 34.738 | | 27.81 | | 33.50 | 0.352 | 1469.9 | | | | | | |
| STD | 900 | 1.65 | | 34.743 | | 27.81 | | 33.00 | 0.385 | 1471.3 | | | | | | |
| STD | 1000 | 1.56 | | 34.740 | | 27.82 | | 32.73 | 0.418 | 1472.6 | | | | | | |
| STD | 1100 | 1.48 | | 34.742 | | 27.83 | | 32.13 | 0.451 | 1473.9 | | | | | | |
| STD | 1200 | 1.40 | | 34.740 | | 27.83 | | 31.88 | 0.483 | 1475.2 | | | | | | |
| STD | 1300 | 1.32 | | 34.738 | | 27.83 | | 31.45 | 0.514 | 1476.6 | | | | | | |
| STD | 1400 | 1.24 | | 34.733 | | 27.84 | | 31.34 | 0.546 | 1477.9 | | | | | | |
| STD | 1500 | 1.16 | | 34.730 | | 27.84 | | 30.99 | 0.577 | 1479.2 | | | | | | |
| STD | 1750 | 0.95 | | 34.718 | | 27.84 | | 30.29 | 0.654 | 1482.5 | | | | | | |
| STD | 2000 | 0.76 | | 34.706 | | 27.85 | | 29.52 | 0.728 | 1485.9 | | | | | | |
| STD | 2250 | 0.58 | | 34.698 | | 27.85 | | 28.38 | 0.801 | 1489.4 | | | | | | |
| STD | 2500 | 0.41 | | 34.691 | | 27.85 | | 27.16 | 0.870 | 1492.9 | | | | | | |
| STD | 2750 | 0.27 | | 34.686 | | 27.86 | | 25.90 | 0.936 | 1496.6 | | | | | | |
| STD | 3000 | 0.18 | | 34.681 | | 27.86 | | 25.14 | 1.000 | 1500.6 | | | | | | |
| STD | 3250 | 0.08 | | 34.679 | | 27.86 | | 24.03 | 1.062 | 1504.5 | | | | | | |
| STD | 3500 | -0.00 | | 34.676 | | 27.87 | | 23.01 | 1.121 | 1508.5 | | | | | | |
| STD | 3750 | -0.09 | | 34.678 | | 27.87 | | 21.60 | 1.176 | 1512.6 | | | | | | |
| STD | 4000 | -0.18 | | 34.679 | | 27.88 | | 20.17 | 1.229 | 1516.6 | | | | | | |
| STD | 4250 | -0.26 | | 34.679 | | 27.88 | | 18.67 | 1.277 | 1520.7 | | | | | | |
| STD | 4309 | -0.30 | | 34.677 | | 27.88 | | 18.33 | 1.288 | 1521.6 | | | | | | |
| PING | 11 | | | | | | | | | | | | | | | |
| CCM2 | 3099 | 0.13 | | 34.680 | | 27.86 | | | | | 523 | | | | | 136 |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 50 | 1447 | 0 | | 4 | 12 | 71 | 7.8 | 6300.0S | 13500.2E | 538 | 4151 | 1.0 | | 134 | 132 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | -0.42 | 33.712 | 27.11 | | | 1445.6 | 845 | | | 29 | | | | | |
| OBS | 25 | -0.96 | 33.852 | 27.24 | | | 1443.7 | | | | 31 | | | | | |
| OBS | 51 | -1.67 | 33.949 | 27.34 | | | 1440.9 | 841 | | | 37 | | | | | |
| OBS | 76 | -0.49 | 34.257 | 27.55 | | | 1447.3 | 664 | | | 54 | | | | | |
| OBS | 102 | 1.36 | 34.489 | 27.63 | | | 1456.4 | 455 | | | 77 | | | | | |
| OBS | 128 | 1.60 | 34.528 | 27.65 | | | 1458.0 | 451 | | | 78 | | | | | |
| OBS | 152 | 1.79 | 34.568 | 27.66 | | | 1459.2 | 433 | | | 81 | | | | | |
| OBS | 202 | 1.85 | 34.608 | 27.69 | | | 1460.4 | 424 | | | 83 | | | | | |
| OBS | 301 | 1.86 | 34.660 | 27.73 | | | 1462.1 | 430 | | | 86 | | | | | |
| OBS | 400 | 1.84 | 34.687 | 27.76 | | | 1463.7 | 430 | | | 87 | | | | | |
| OBS | 598 | 1.77 | 34.722 | 27.79 | | | 1466.7 | 431 | | | 91 | | | | | |
| OBS | 798 | 1.61 | 34.727 | 27.80 | | | 1469.4 | 467 | | | 94 | | | | | |
| OBS | 1022 | 1.50 | 34.733 | 27.82 | | | 1472.6 | 479 | | | 99 | | | | | |
| OBS | 1324 | 1.25 | 34.728 | 27.83 | | | 1476.6 | 489 | | | 105 | | | | | |
| OBS | 1625 | 1.00 | 34.717 | 27.84 | | | 1480.5 | 495 | | | 119 | | | | | |
| OBS | 1927 | 0.77 | 34.704 | 27.84 | | | 1484.6 | 497 | | | 120 | | | | | |
| OBS | 2229 | 0.55 | 34.692 | 27.85 | | | 1488.7 | 509 | | | 126 | | | | | |
| OBS | 2532 | 0.37 | 34.685 | 27.85 | | | 1493.1 | 519 | | | 131 | | | | | |
| OBS | 2934 | 0.20 | 34.678 | 27.86 | | | 1499.3 | 534 | | | 136 | | | | | |
| OBS | 3237 | 0.09 | 34.675 | 27.86 | | | 1504.1 | 547 | | | 136 | | | | | |
| OBS | 3540 | -0.03 | 34.674 | 27.87 | | | 1508.9 | 548 | | | 131 | | | | | |
| OBS | 3843 | -0.13 | 34.677 | 27.87 | | | 1513.8 | 558 | | | 124 | | | | | |
| OBS | 4147 | -0.21 | 34.677 | 27.88 | | | 1518.8 | 571 | | | 122 | | | | | |
| PING | 26 | | | | | | | | | | | | | | | |
| ISL | 0 | -0.42 | 33.712 | 27.11 | 96.37 | 0.000 | 1445.6 | | | | | | | | | |
| ISL | 10 | -0.63 | 33.761 | 27.16 | 91.72 | 0.009 | 1444.8 | | | | | | | | | |
| ISL | 20 | -0.84 | 33.825 | 27.22 | 86.03 | 0.018 | 1444.1 | | | | | | | | | |
| ISL | 30 | -1.09 | 33.875 | 27.27 | 81.34 | 0.027 | 1443.2 | | | | | | | | | |
| ISL | 50 | -1.65 | 33.942 | 27.34 | 74.42 | 0.042 | 1441.0 | | | | | | | | | |
| ISL | 75 | -0.55 | 34.246 | 27.55 | 54.82 | 0.058 | 1447.0 | | | | | | | | | |
| ISL | 100 | 1.26 | 34.477 | 27.63 | 47.31 | 0.071 | 1455.9 | | | | | | | | | |
| ISL | 125 | 1.57 | 34.523 | 27.64 | 46.06 | 0.083 | 1457.8 | | | | | | | | | |
| ISL | 150 | 1.78 | 34.565 | 27.66 | 44.50 | 0.094 | 1459.2 | | | | | | | | | |
| ISL | 200 | 1.85 | 34.607 | 27.69 | 42.10 | 0.116 | 1460.3 | | | | | | | | | |
| ISL | 250 | 1.86 | 34.637 | 27.71 | 40.14 | 0.136 | 1461.3 | | | | | | | | | |
| ISL | 300 | 1.86 | 34.660 | 27.73 | 38.65 | 0.156 | 1462.1 | | | | | | | | | |
| ISL | 400 | 1.84 | 34.687 | 27.76 | 36.84 | 0.194 | 1463.7 | | | | | | | | | |
| ISL | 500 | 1.81 | 34.708 | 27.77 | 35.46 | 0.230 | 1465.3 | | | | | | | | | |
| ISL | 600 | 1.77 | 34.722 | 27.79 | 34.45 | 0.265 | 1466.8 | | | | | | | | | |
| ISL | 700 | 1.68 | 34.725 | 27.80 | 33.92 | 0.299 | 1468.1 | | | | | | | | | |
| ISL | 800 | 1.61 | 34.727 | 27.80 | 33.43 | 0.333 | 1469.4 | | | | | | | | | |
| ISL | 900 | 1.56 | 34.730 | 27.81 | 33.12 | 0.366 | 1470.8 | | | | | | | | | |
| ISL | 1000 | 1.51 | 34.732 | 27.82 | 32.84 | 0.399 | 1472.3 | | | | | | | | | |
| ISL | 1100 | 1.44 | 34.733 | 27.82 | 32.40 | 0.432 | 1473.6 | | | | | | | | | |
| ISL | 1200 | 1.35 | 34.732 | 27.83 | 32.01 | 0.464 | 1474.9 | | | | | | | | | |
| ISL | 1300 | 1.27 | 34.729 | 27.83 | 31.69 | 0.496 | 1476.2 | | | | | | | | | |
| ISL | 1400 | 1.19 | 34.726 | 27.83 | 31.34 | 0.527 | 1477.6 | | | | | | | | | |
| ISL | 1500 | 1.10 | 34.722 | 27.84 | 31.04 | 0.558 | 1478.9 | | | | | | | | | |
| ISL | 1750 | 0.90 | 34.712 | 27.84 | 30.24 | 0.635 | 1482.2 | | | | | | | | | |
| ISL | 2000 | 0.72 | 34.701 | 27.84 | 29.40 | 0.710 | 1485.6 | | | | | | | | | |
| ISL | 2250 | 0.54 | 34.691 | 27.85 | 28.38 | 0.782 | 1489.0 | | | | | | | | | |
| ISL | 2500 | 0.39 | 34.686 | 27.85 | 27.26 | 0.851 | 1492.7 | | | | | | | | | |
| ISL | 2750 | 0.27 | 34.681 | 27.85 | 26.31 | 0.918 | 1496.4 | | | | | | | | | |
| ISL | 3000 | 0.18 | 34.677 | 27.86 | 25.43 | 0.983 | 1500.3 | | | | | | | | | |
| ISL | 3250 | 0.09 | 34.675 | 27.86 | 24.40 | 1.045 | 1504.3 | | | | | | | | | |
| ISL | 3500 | -0.01 | 34.674 | 27.86 | 23.04 | 1.105 | 1508.2 | | | | | | | | | |
| ISL | 3750 | -0.10 | 34.676 | 27.87 | 21.56 | 1.160 | 1512.2 | | | | | | | | | |
| ISL | 4000 | -0.17 | 34.677 | 27.88 | 20.30 | 1.213 | 1516.3 | | | | | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1448 | 1 | 1 | 5 | 12 | 71 | 7.1 | 6259.0S | 13500.3E | 538 | 3756 | -1.3 | | 183 | 90 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CCM1 | 1239 | 1.12 | | 34.726 | | 27.84 | | | | | 419Q | | | 110 | | |
| CCM1 | 1801 | 0.68 | | 34.705 | | 27.85 | | | | | 469Q | | | 124 | | |
| CCM1 | 3090 | -0.06 | | 34.676 | | 27.87 | | | | | | | | 131 | | |
| CCM1 | 3697 | -0.40 | | 34.675 | | 27.88 | | | | | 555Q | | | 110 | | |
| STD | 0 | -1.51 | | 33.261 | | 26.78 | | 127.36 | 0.000 | 1439.8 | | | | | | |
| STD | 10 | -1.55 | | 33.221 | | 26.75 | | 130.22 | 0.013 | 1439.8 | | | | | | |
| STD | 20 | -1.19 | | 33.561 | | 27.02 | | 105.11 | 0.025 | 1442.1 | | | | | | |
| STD | 30 | -1.09 | | 33.773 | | 27.18 | | 89.12 | 0.034 | 1443.0 | | | | | | |
| STD | 50 | -1.64 | | 33.986 | | 27.37 | | 71.10 | 0.050 | 1441.1 | | | | | | |
| STD | 75 | 0.10 | | 34.437 | | 27.67 | | 43.33 | 0.065 | 1450.2 | | | | | | |
| STD | 100 | 1.40 | | 34.505 | | 27.64 | | 46.11 | 0.076 | 1456.6 | | | | | | |
| STD | 125 | 1.71 | | 34.577 | | 27.68 | | 42.96 | 0.087 | 1458.5 | | | | | | |
| STD | 150 | 1.97 | | 34.635 | | 27.70 | | 40.65 | 0.097 | 1460.1 | | | | | | |
| STD | 200 | 1.91 | | 34.653 | | 27.72 | | 39.12 | 0.117 | 1460.7 | | | | | | |
| STD | 250 | 1.89 | | 34.675 | | 27.74 | | 37.52 | 0.137 | 1461.5 | | | | | | |
| STD | 300 | 1.88 | | 34.699 | | 27.76 | | 35.89 | 0.155 | 1462.3 | | | | | | |
| STD | 400 | 1.79 | | 34.710 | | 27.78 | | 34.63 | 0.190 | 1463.5 | | | | | | |
| STD | 500 | 1.63 | | 34.717 | | 27.80 | | 33.20 | 0.224 | 1464.5 | | | | | | |
| STD | 600 | 1.63 | | 34.731 | | 27.81 | | 32.53 | 0.257 | 1466.2 | | | | | | |
| STD | 700 | 1.56 | | 34.736 | | 27.82 | | 31.97 | 0.289 | 1467.6 | | | | | | |
| STD | 800 | 1.50 | | 34.740 | | 27.82 | | 31.48 | 0.321 | 1469.0 | | | | | | |
| STD | 900 | 1.42 | | 34.739 | | 27.83 | | 31.20 | 0.352 | 1470.3 | | | | | | |
| STD | 1000 | 1.33 | | 34.734 | | 27.83 | | 30.99 | 0.383 | 1471.5 | | | | | | |
| STD | 1100 | 1.25 | | 34.734 | | 27.84 | | 30.52 | 0.414 | 1472.9 | | | | | | |
| STD | 1200 | 1.16 | | 34.729 | | 27.84 | | 30.31 | 0.445 | 1474.2 | | | | | | |
| STD | 1300 | 1.07 | | 34.724 | | 27.84 | | 30.10 | 0.475 | 1475.5 | | | | | | |
| STD | 1400 | 1.00 | | 34.720 | | 27.84 | | 29.95 | 0.505 | 1476.8 | | | | | | |
| STD | 1500 | 0.91 | | 34.717 | | 27.84 | | 29.55 | 0.535 | 1478.1 | | | | | | |
| STD | 1750 | 0.71 | | 34.705 | | 27.85 | | 28.77 | 0.607 | 1481.5 | | | | | | |
| STD | 2000 | 0.53 | | 34.698 | | 27.85 | | 27.70 | 0.678 | 1484.9 | | | | | | |
| STD | 2250 | 0.34 | | 34.687 | | 27.86 | | 26.49 | 0.746 | 1488.3 | | | | | | |
| STD | 2500 | 0.22 | | 34.683 | | 27.86 | | 25.56 | 0.811 | 1492.1 | | | | | | |
| STD | 2750 | 0.09 | | 34.680 | | 27.86 | | 24.16 | 0.873 | 1495.8 | | | | | | |
| STD | 3000 | -0.00 | | 34.678 | | 27.87 | | 23.14 | 0.932 | 1499.8 | | | | | | |
| STD | 3250 | -0.11 | | 34.680 | | 27.87 | | 21.53 | 0.988 | 1503.7 | | | | | | |
| STD | 3500 | -0.20 | | 34.685 | | 27.88 | | 19.76 | 1.040 | 1507.7 | | | | | | |
| STD | 3750 | -0.39 | | 34.677 | | 27.89 | | 17.50 | 1.086 | 1511.2 | | | | | | |
| STD | 3780 | -0.39 | | 34.679 | | 27.89 | | 17.39 | 1.091 | 1511.7 | | | | | | |
| PING | 22 | | | | | | | | | | | | | | | |
| CCM2 | 926 | 1.40 | | 34.733 | | 27.82 | | | | | 435Q | | | 102 | | |
| CCM2 | 3769 | -0.40 | | 34.675 | | 27.88 | | | | | 541Q | | | 110 | | |

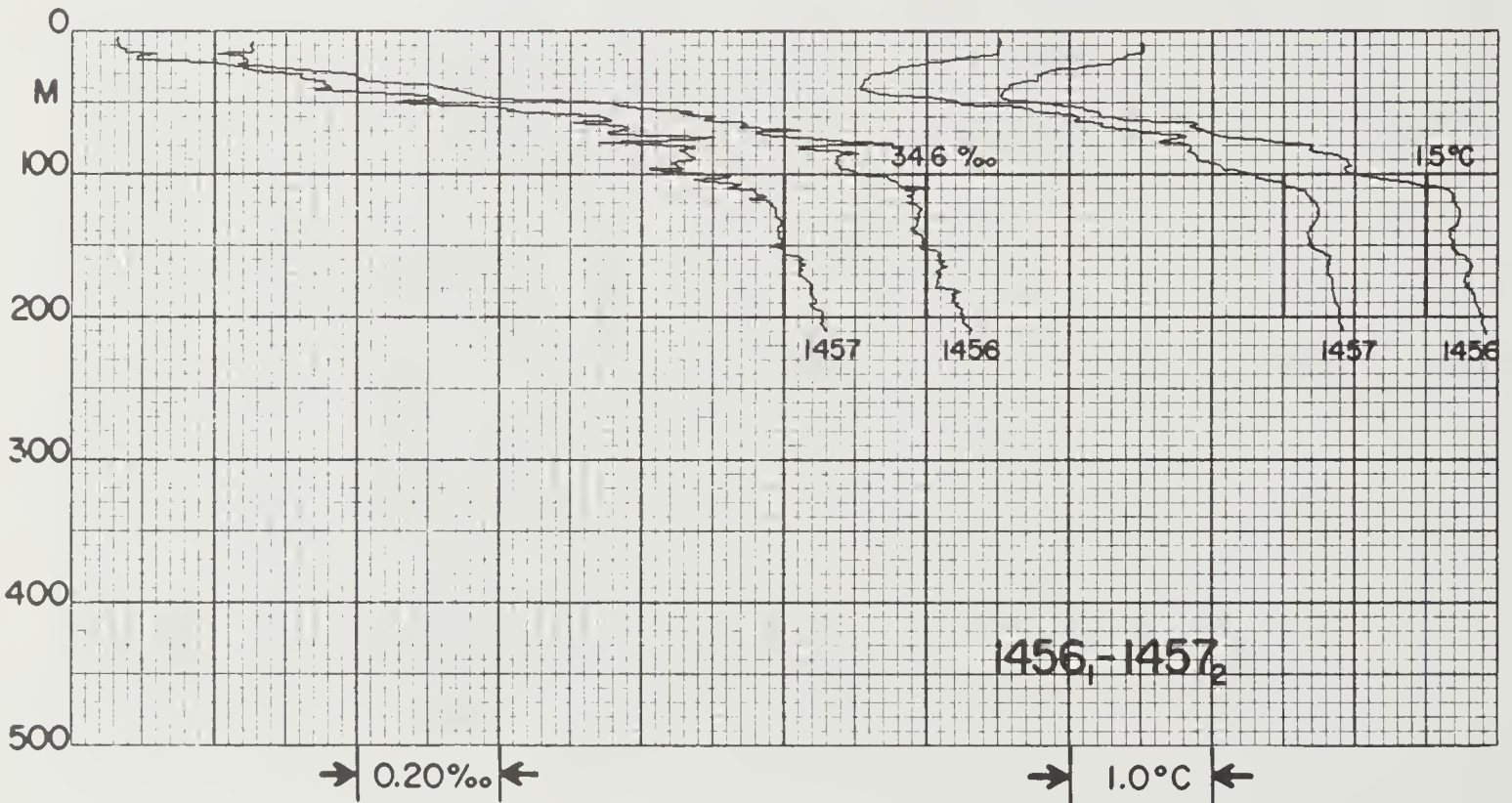
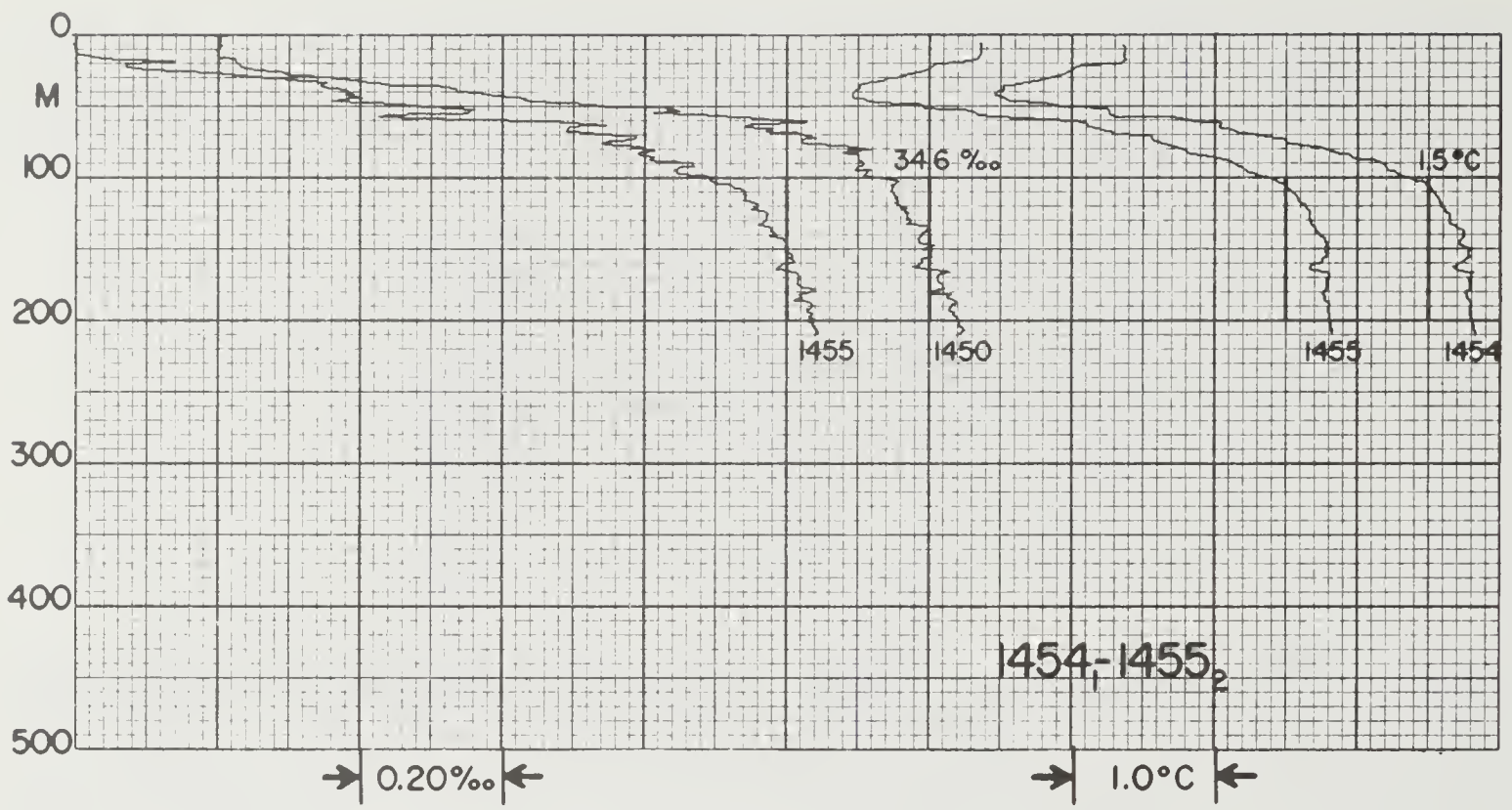


| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|--------------------------------------|------------------------|---------------------|-----|-----|
| EL 50 | 1450 | 1 | 1 | 5 | 12 | 71 | 11.0 | 6257.8S | 13943.2E | 538 | 3320 | -1.5 | | 204 | 90 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² · μ gatl | NITR 10· μ gatl | SILIC μ gatl | | |
| OBS1 | 1 | | | 33.402 | | | | | | | | | | | | |

| | | | | | | | |
|-----|-----|-------|--------|-------|--------|-------|--------|
| STD | 0 | -1.39 | 33.404 | 26.89 | 116.67 | 0.000 | 1440.6 |
| STD | 10 | -1.39 | 33.405 | 26.90 | 116.52 | 0.012 | 1440.8 |
| STD | 20 | -1.40 | 33.690 | 27.13 | 94.60 | 0.022 | 1441.3 |
| STD | 30 | -1.41 | 33.908 | 27.30 | 77.80 | 0.031 | 1441.7 |
| STD | 50 | -1.37 | 34.149 | 27.50 | 59.31 | 0.045 | 1442.6 |
| STD | 75 | 0.33 | 34.427 | 27.65 | 45.37 | 0.058 | 1451.3 |
| STD | 100 | 1.18 | 34.546 | 27.69 | 41.54 | 0.068 | 1455.7 |
| STD | 125 | 1.66 | 34.573 | 27.68 | 42.88 | 0.079 | 1458.2 |
| STD | 150 | 1.81 | 34.621 | 27.71 | 40.51 | 0.089 | 1459.4 |
| STD | 200 | 1.79 | 34.650 | 27.73 | 38.39 | 0.109 | 1460.2 |
| STD | 216 | 1.77 | 34.657 | 27.74 | 37.85 | 0.115 | 1460.4 |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|--------------------------------------|------------------------|---------------------|-----|-----|
| EL 50 | 1452 | 1 | 1 | 5 | 12 | 71 | 12.4 | 6251.6S | 13943.1E | 538 | 3093 | -1.7 | | 235 | 90 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² · μ gatl | NITR 10· μ gatl | SILIC μ gatl | | |
| OBS1 | 1 | | | 33.580 | | | | | | | | | | | | |

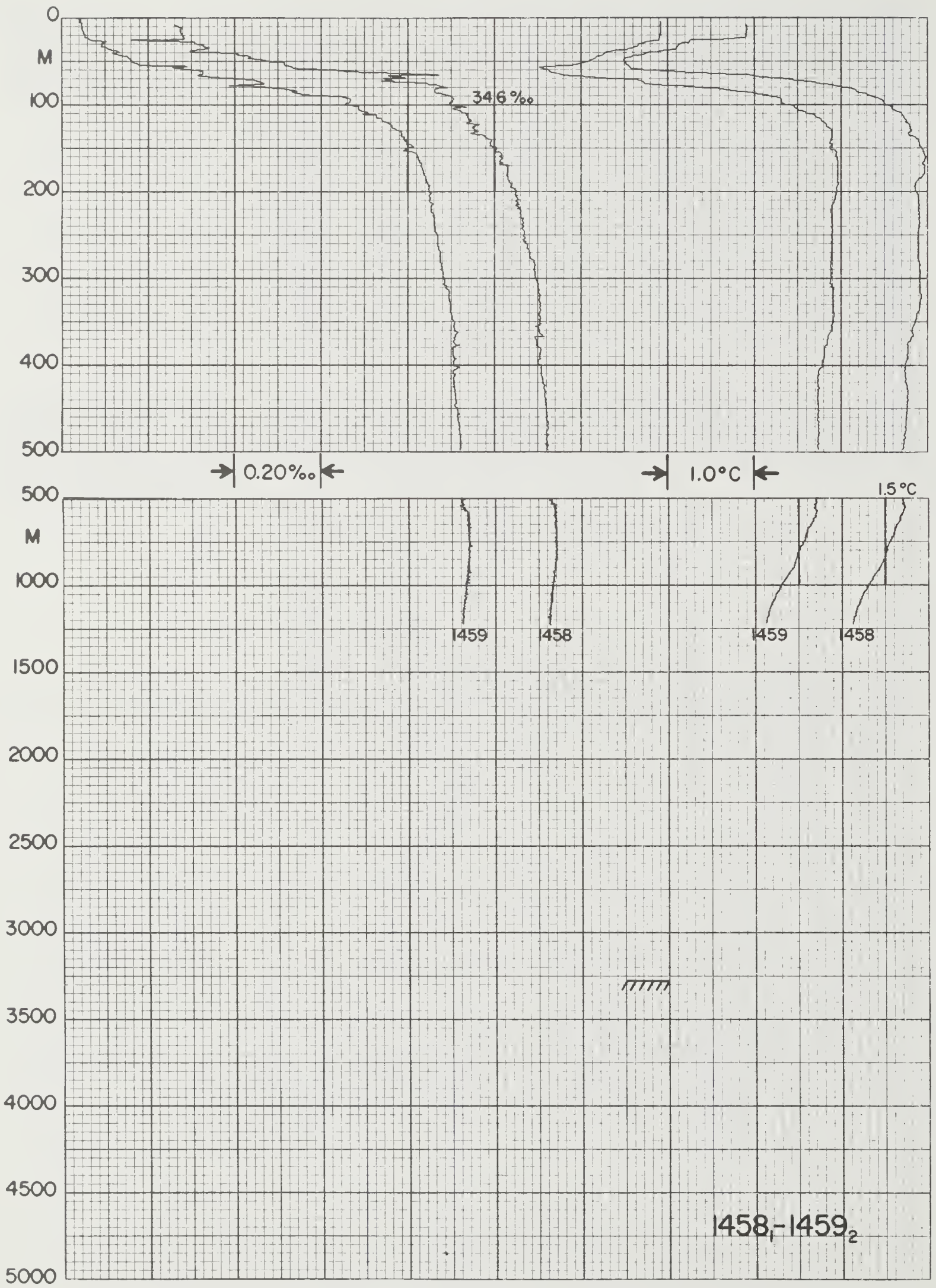
| | | | | | | | |
|-----|-----|-------|--------|-------|--------|-------|--------|
| STD | 0 | -0.95 | 33.611 | 27.05 | 102.14 | 0.000 | 1443.0 |
| STD | 10 | -0.94 | 33.586 | 27.03 | 104.02 | 0.010 | 1443.1 |
| STD | 20 | -1.16 | 33.644 | 27.08 | 98.86 | 0.020 | 1442.4 |
| STD | 30 | -1.36 | 33.887 | 27.28 | 79.55 | 0.029 | 1442.0 |
| STD | 50 | -1.01 | 34.185 | 27.51 | 57.78 | 0.043 | 1444.3 |
| STD | 75 | 0.56 | 34.460 | 27.66 | 44.17 | 0.056 | 1452.4 |
| STD | 100 | 1.42 | 34.532 | 27.66 | 44.23 | 0.067 | 1456.7 |
| STD | 125 | 1.59 | 34.585 | 27.69 | 41.52 | 0.078 | 1457.9 |
| STD | 150 | 1.75 | 34.617 | 27.71 | 40.34 | 0.088 | 1459.1 |
| STD | 200 | 1.82 | 34.651 | 27.73 | 38.56 | 0.108 | 1460.3 |
| STD | 221 | 1.83 | 34.656 | 27.73 | 38.36 | 0.116 | 1460.7 |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1454 | 1 | 1 | 5 | 12 | 71 | 13.6 | 6245.7S | 13943.7E | 538 | 3336 | -1.6 | | 225 | 90 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| CBS1 | 1 | | | 33.602 | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | |
|-----|-----|-------|--------|-------|--------|-------|--------|--|--|--|--|--|--|--|--|--|
| STD | 0 | -0.65 | 33.604 | 27.03 | 103.70 | 0.000 | 1444.4 | | | | | | | | | |
| STD | 10 | -0.64 | 33.598 | 27.03 | 104.20 | 0.010 | 1444.6 | | | | | | | | | |
| STD | 20 | -0.67 | 33.628 | 27.05 | 101.71 | 0.021 | 1444.6 | | | | | | | | | |
| STD | 30 | -1.13 | 33.752 | 27.17 | 90.62 | 0.030 | 1442.8 | | | | | | | | | |
| STD | 50 | -1.12 | 34.134 | 27.48 | 61.29 | 0.045 | 1443.7 | | | | | | | | | |
| STD | 75 | 0.49 | 34.418 | 27.63 | 46.89 | 0.059 | 1452.0 | | | | | | | | | |
| STD | 100 | 1.32 | 34.520 | 27.66 | 44.47 | 0.070 | 1456.3 | | | | | | | | | |
| STD | 125 | 1.63 | 34.567 | 27.68 | 43.12 | 0.081 | 1458.1 | | | | | | | | | |
| STD | 150 | 1.77 | 34.593 | 27.69 | 42.31 | 0.092 | 1459.2 | | | | | | | | | |
| STD | 200 | 1.80 | 34.641 | 27.72 | 39.12 | 0.112 | 1460.2 | | | | | | | | | |
| STD | 211 | 1.82 | 34.639 | 27.72 | 39.58 | 0.117 | 1460.5 | | | | | | | | | |

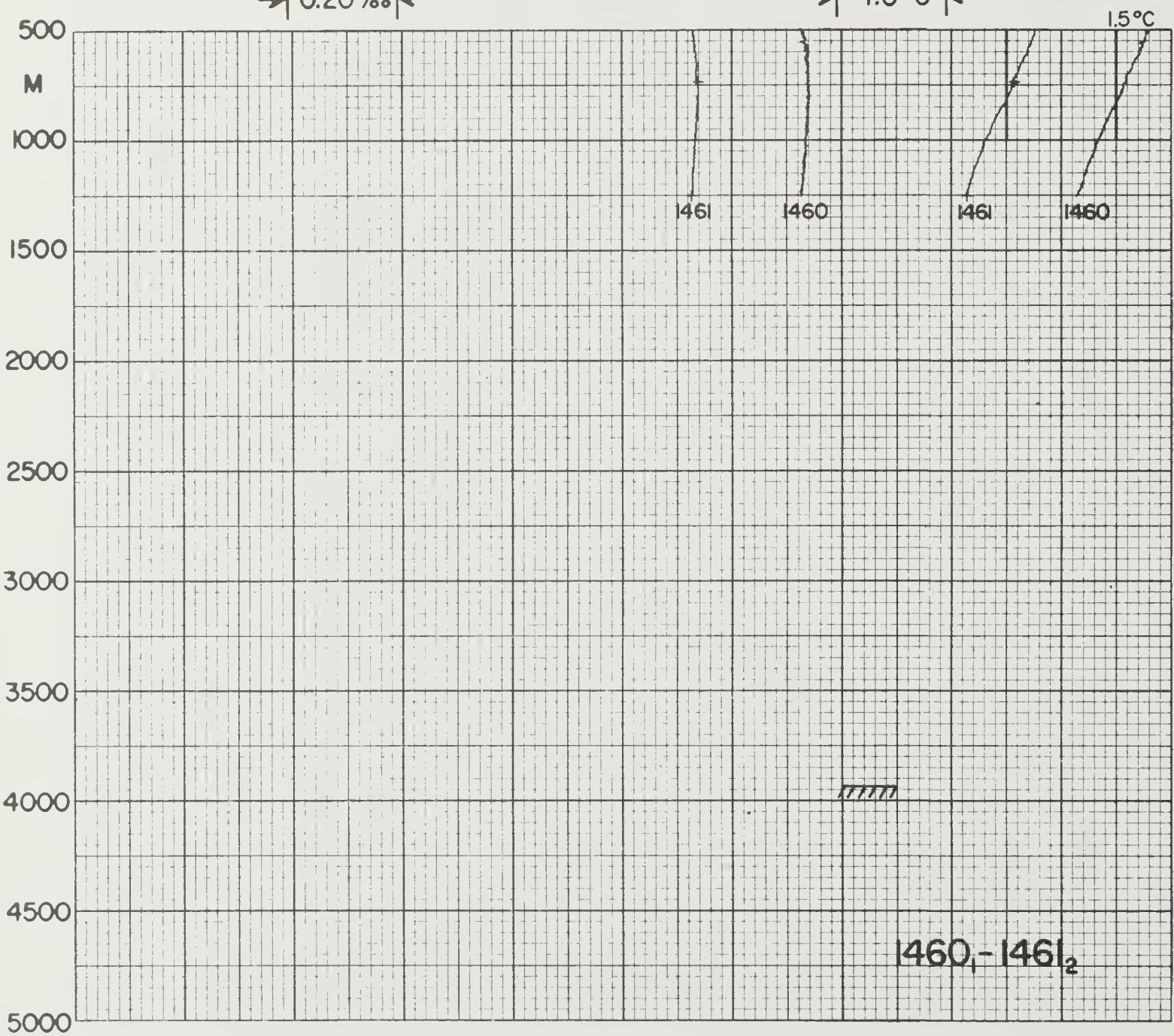
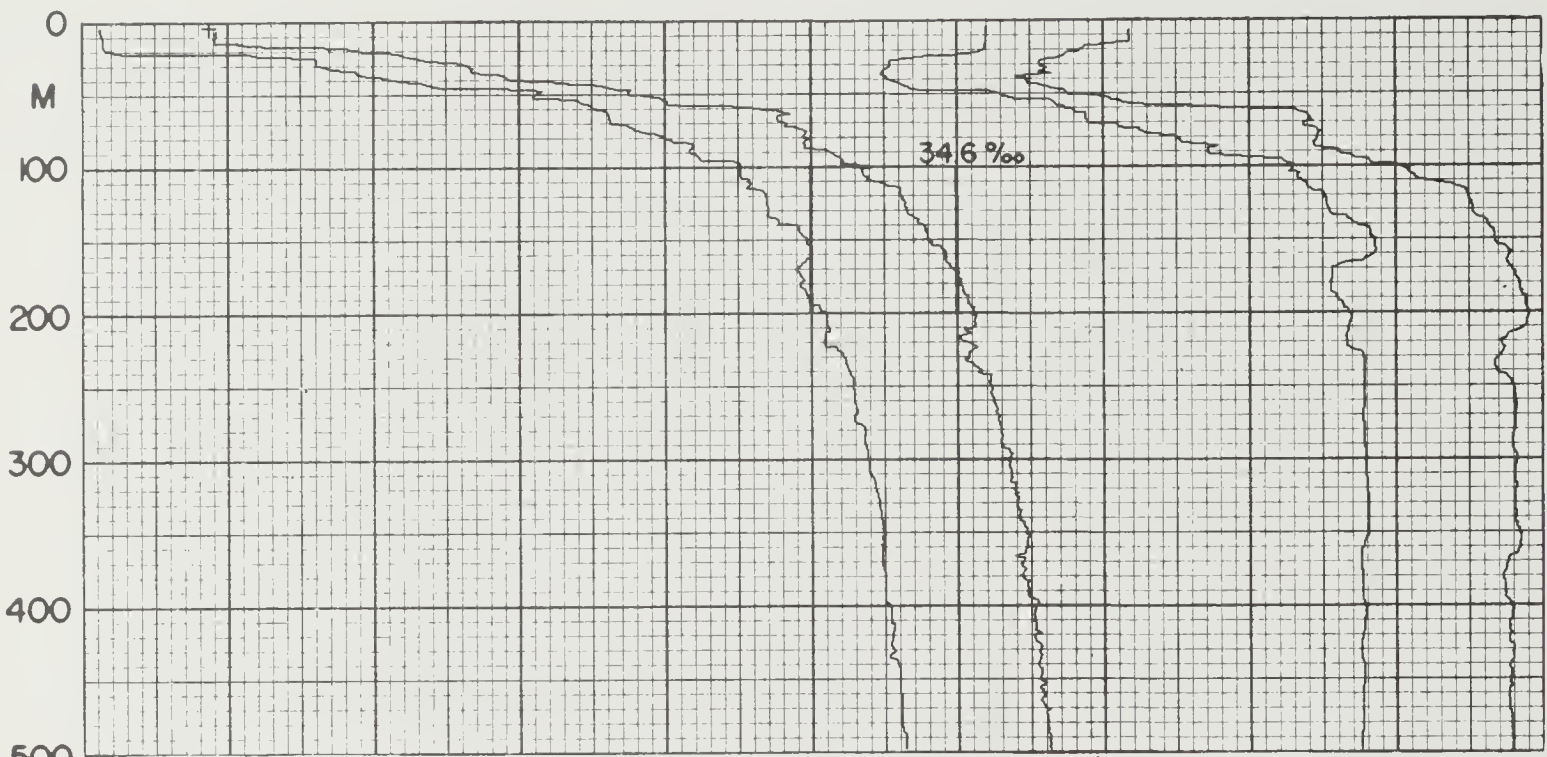
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1456 | 1 | 1 | 5 | 12 | 71 | 14.7 | 6242.9S | 13950.0E | 538 | 3582 | -1.7 | | 214 | 90 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| STD | 0 | -0.50 | | 33.651 | | 27.06 | | 100.70 | 0.000 | 1445.1 | | | | | | |
| STD | 10 | -0.49 | | 33.651 | | 27.06 | | 100.72 | 0.010 | 1445.3 | | | | | | |
| STD | 20 | -0.67 | | 33.643 | | 27.06 | | 100.60 | 0.020 | 1444.7 | | | | | | |
| STD | 30 | -1.19 | | 33.775 | | 27.19 | | 88.60 | 0.030 | 1442.6 | | | | | | |
| STD | 50 | -1.29 | | 34.097 | | 27.45 | | 63.61 | 0.045 | 1442.9 | | | | | | |
| STD | 75 | 0.17 | | 34.430 | | 27.66 | | 44.25 | 0.058 | 1450.5 | | | | | | |
| STD | 100 | 0.97 | | 34.500 | | 27.67 | | 43.62 | 0.069 | 1454.7 | | | | | | |
| STD | 125 | 1.73 | | 34.592 | | 27.69 | | 42.00 | 0.080 | 1458.6 | | | | | | |
| STD | 150 | 1.69 | | 34.596 | | 27.69 | | 41.46 | 0.090 | 1458.8 | | | | | | |
| STD | 200 | 1.89 | | 34.650 | | 27.72 | | 39.16 | 0.111 | 1460.6 | | | | | | |
| STD | 213 | 1.92 | | 34.660 | | 27.73 | | 38.73 | 0.116 | 1460.9 | | | | | | |



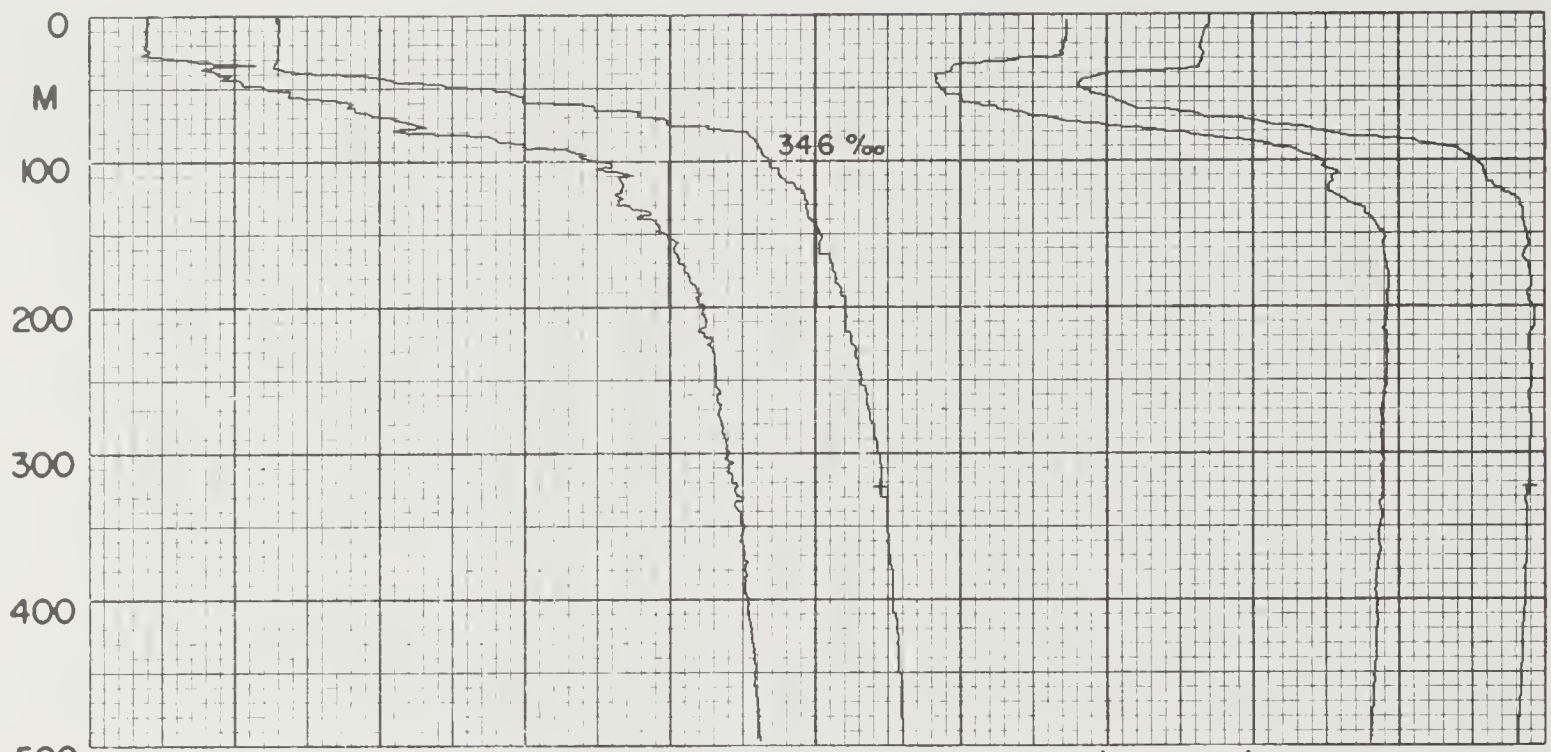
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|-----|
| EL 50 | 1458 | 1 | 1 | 5 | 12 | 71 | 19.2 | 6244.2S | 14100.0E | 537 | 3277 | -2.3 | | 244 | 233 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | |
| STD | 0 | -0.10 | | 33.861 | | 27.21 | 86.39 | 0.000 | 1447.3 | | | | | | | |
| STD | 10 | -0.09 | | 33.867 | | 27.22 | 85.99 | 0.009 | 1447.5 | | | | | | | |
| STD | 20 | -0.10 | | 33.873 | | 27.22 | 85.38 | 0.017 | 1447.6 | | | | | | | |
| STD | 30 | -0.84 | | 33.906 | | 27.28 | 79.85 | 0.025 | 1444.4 | | | | | | | |
| STD | 50 | -1.50 | | 34.074 | | 27.44 | 64.68 | 0.040 | 1441.9 | | | | | | | |
| STD | 75 | 0.70 | | 34.437 | | 27.63 | 46.68 | 0.054 | 1452.9 | | | | | | | |
| STD | 100 | 1.49 | | 34.495 | | 27.63 | 47.58 | 0.066 | 1457.0 | | | | | | | |
| STD | 125 | 1.79 | | 34.550 | | 27.65 | 45.65 | 0.077 | 1458.8 | | | | | | | |
| STD | 150 | 1.91 | | 34.602 | | 27.68 | 42.77 | 0.088 | 1459.8 | | | | | | | |
| STD | 200 | 1.85 | | 34.650 | | 27.73 | 38.85 | 0.109 | 1460.4 | | | | | | | |
| STD | 250 | 1.89 | | 34.668 | | 27.74 | 38.03 | 0.128 | 1461.4 | | | | | | | |
| STD | 300 | 1.91 | | 34.694 | | 27.76 | 36.44 | 0.147 | 1462.4 | | | | | | | |
| STD | 400 | 1.74 | | 34.702 | | 27.78 | 34.86 | 0.182 | 1463.3 | | | | | | | |
| STD | 500 | 1.71 | | 34.723 | | 27.79 | 33.46 | 0.216 | 1464.9 | | | | | | | |
| STD | 600 | 1.69 | | 34.738 | | 27.81 | 32.57 | 0.249 | 1466.5 | | | | | | | |
| STD | 700 | 1.61 | | 34.741 | | 27.82 | 32.04 | 0.282 | 1467.8 | | | | | | | |
| STD | 800 | 1.52 | | 34.742 | | 27.82 | 31.52 | 0.313 | 1469.1 | | | | | | | |
| STD | 900 | 1.45 | | 34.739 | | 27.83 | 31.45 | 0.345 | 1470.4 | | | | | | | |
| STD | 1000 | 1.33 | | 34.734 | | 27.83 | 30.98 | 0.376 | 1471.6 | | | | | | | |
| STD | 1100 | 1.22 | | 34.730 | | 27.84 | 30.53 | 0.407 | 1472.7 | | | | | | | |
| STD | 1200 | 1.14 | | 34.726 | | 27.84 | 30.43 | 0.437 | 1474.1 | | | | | | | |
| STD | 1236 | 1.13 | | 34.727 | | 27.84 | 30.21 | 0.448 | 1474.6 | | | | | | | |

CBS2 1 33.845

30

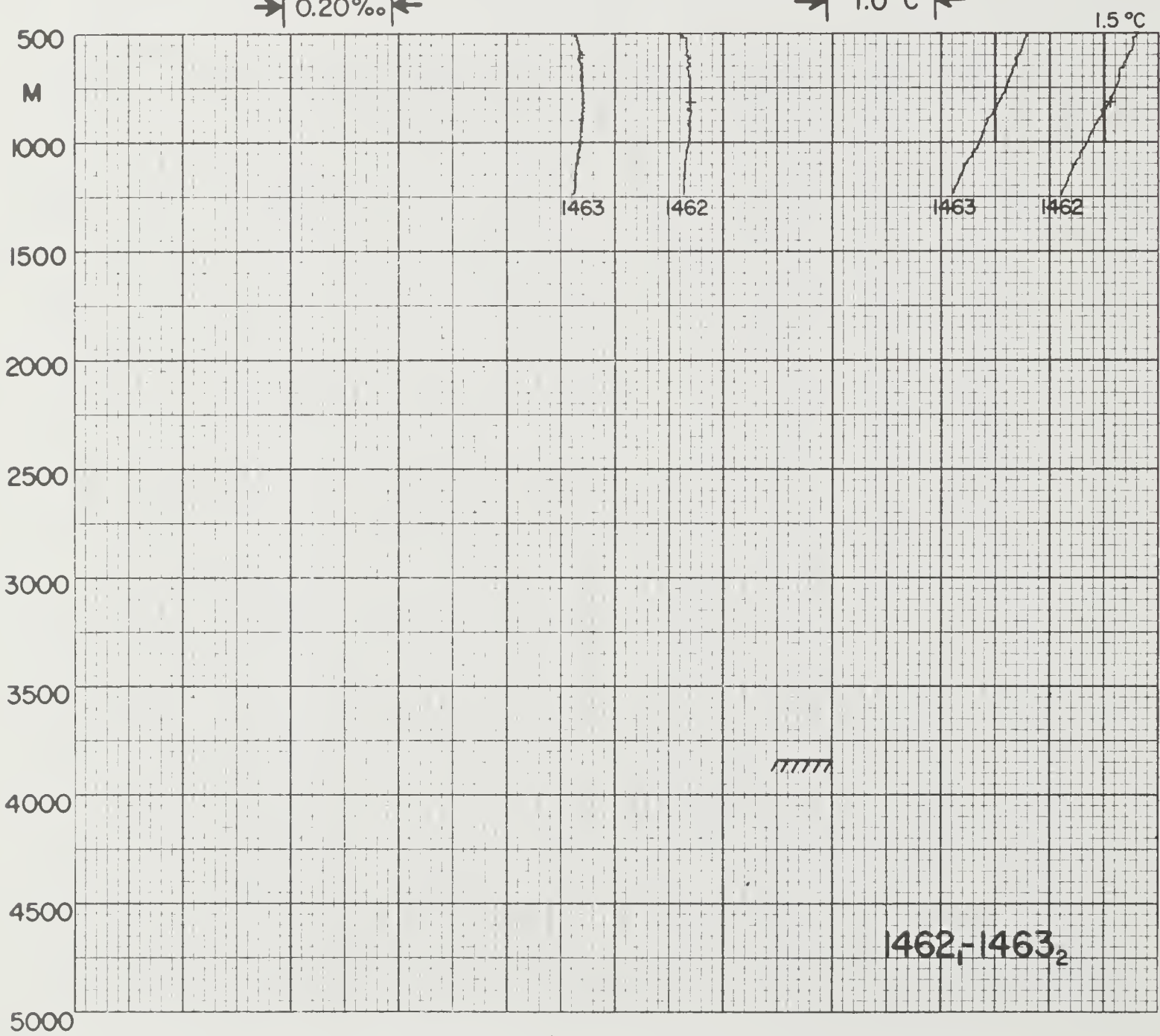


| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|-----|
| EL 50 | 1460 | 1 | 1 | 6 | 12 | 71 | 0.4 | 6300.0S | 14157.0E | 537 | 3930 | -1.2 | | 265 | 263 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{got/l}$ | NITR $10 \cdot \mu\text{got/l}$ | SILIC $\mu\text{got/l}$ | | | |
| OBS1 | 5 | | | 33.574 | | | | | | | | | | | | |
| STD | 0 | -0.82 | | 33.584 | | 27.02 | 104.64 | 0.000 | 1443.5 | | | | | | | |
| STD | 10 | -0.82 | | 33.583 | | 27.02 | 104.62 | 0.010 | 1443.7 | | | | | | | |
| STD | 20 | -1.15 | | 33.776 | | 27.19 | 88.74 | 0.020 | 1442.6 | | | | | | | |
| STD | 30 | -1.44 | | 33.915 | | 27.31 | 77.19 | 0.028 | 1441.6 | | | | | | | |
| STD | 50 | -1.25 | | 34.150 | | 27.49 | 59.64 | 0.042 | 1443.2 | | | | | | | |
| STD | 75 | 0.46 | | 34.386 | | 27.61 | 49.16 | 0.056 | 1451.8 | | | | | | | |
| STD | 100 | 0.99 | | 34.466 | | 27.64 | 46.31 | 0.068 | 1454.7 | | | | | | | |
| STD | 125 | 1.51 | | 34.528 | | 27.65 | 45.28 | 0.079 | 1457.5 | | | | | | | |
| STD | 150 | 1.68 | | 34.560 | | 27.67 | 44.19 | 0.090 | 1458.7 | | | | | | | |
| STD | 200 | 1.91 | | 34.622 | | 27.70 | 41.44 | 0.112 | 1460.7 | | | | | | | |
| STD | 250 | 1.80 | | 34.647 | | 27.73 | 38.97 | 0.132 | 1461.0 | | | | | | | |
| STD | 300 | 1.83 | | 34.672 | | 27.74 | 37.52 | 0.151 | 1462.0 | | | | | | | |
| STD | 400 | 1.80 | | 34.708 | | 27.78 | 34.89 | 0.187 | 1463.6 | | | | | | | |
| STD | 500 | 1.80 | | 34.729 | | 27.79 | 33.78 | 0.221 | 1465.3 | | | | | | | |
| STD | 600 | 1.74 | | 34.740 | | 27.81 | 32.85 | 0.255 | 1466.7 | | | | | | | |
| STD | 700 | 1.62 | | 34.739 | | 27.81 | 32.32 | 0.287 | 1467.8 | | | | | | | |
| STD | 800 | 1.55 | | 34.742 | | 27.82 | 31.77 | 0.319 | 1469.2 | | | | | | | |
| STD | 900 | 1.45 | | 34.741 | | 27.83 | 31.38 | 0.351 | 1470.4 | | | | | | | |
| STD | 1000 | 1.36 | | 34.737 | | 27.83 | 31.11 | 0.382 | 1471.7 | | | | | | | |
| STD | 1100 | 1.27 | | 34.733 | | 27.83 | 30.83 | 0.413 | 1473.0 | | | | | | | |
| STD | 1200 | 1.21 | | 34.732 | | 27.84 | 30.62 | 0.444 | 1474.4 | | | | | | | |
| STD | 1263 | 1.15 | | 34.729 | | 27.84 | 30.36 | 0.463 | 1475.2 | | | | | | | |
| CCM2 | 745 | 1.59 | | 34.741 | | 27.82 | | | | 466 | | | 94 | | | |
| CCM2 | 1261 | 1.16 | | 34.731 | | 27.84 | | | | 471 | | | 108 | | | |



→ 0.20‰ ←

→ 1.0°C ←



1.5°C

1463

1462

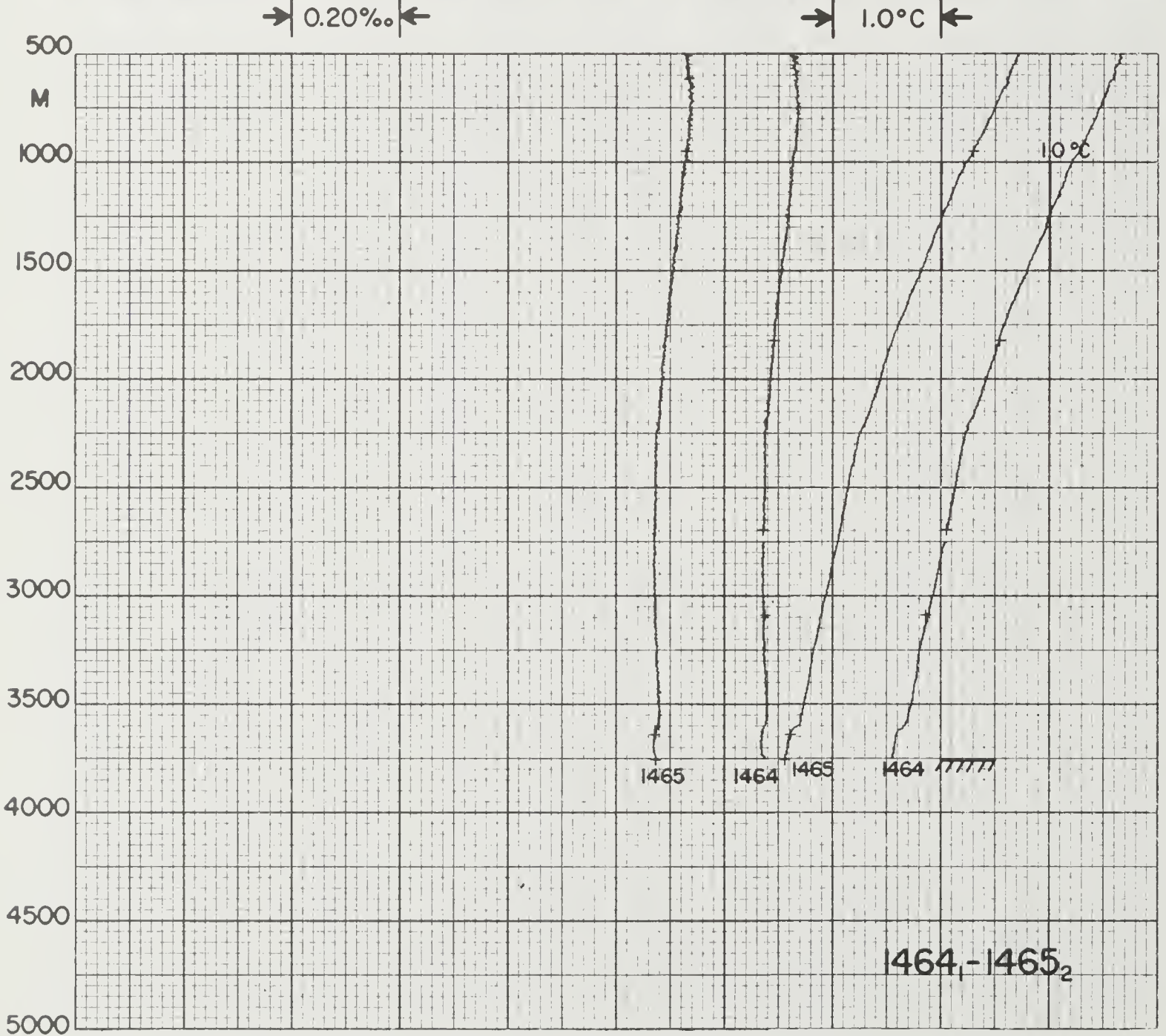
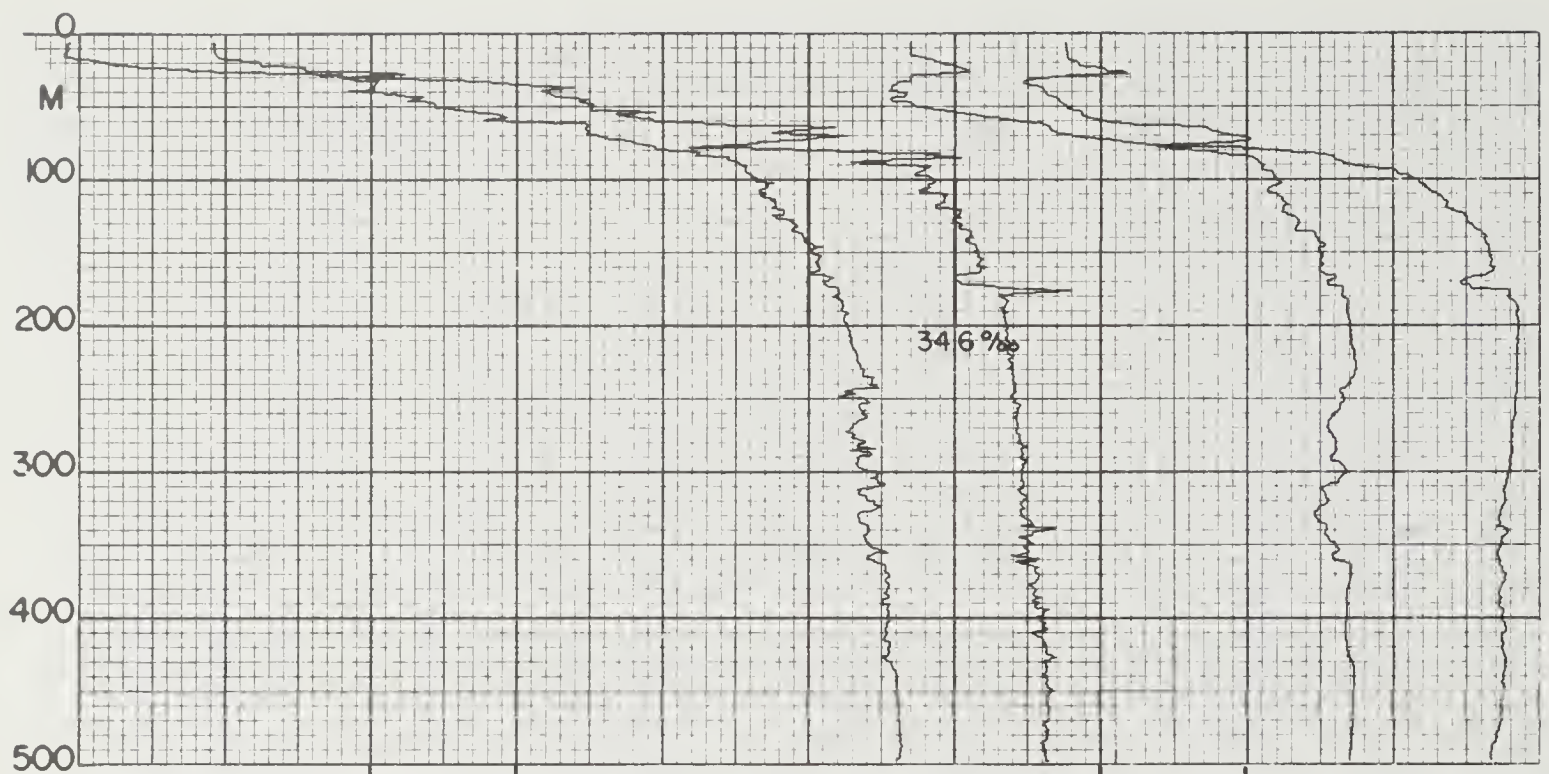
1463

1462

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1462, 1463₂

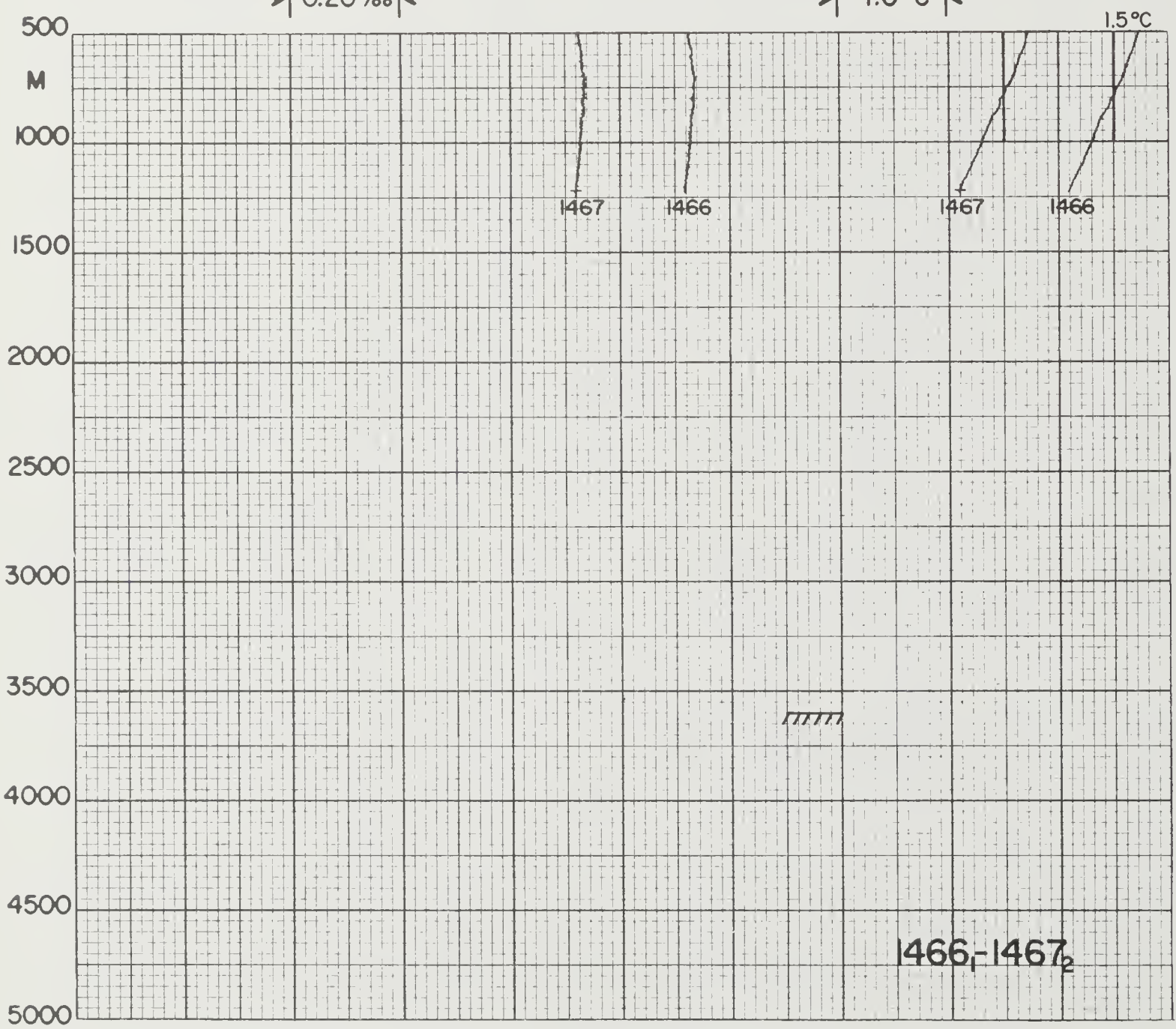
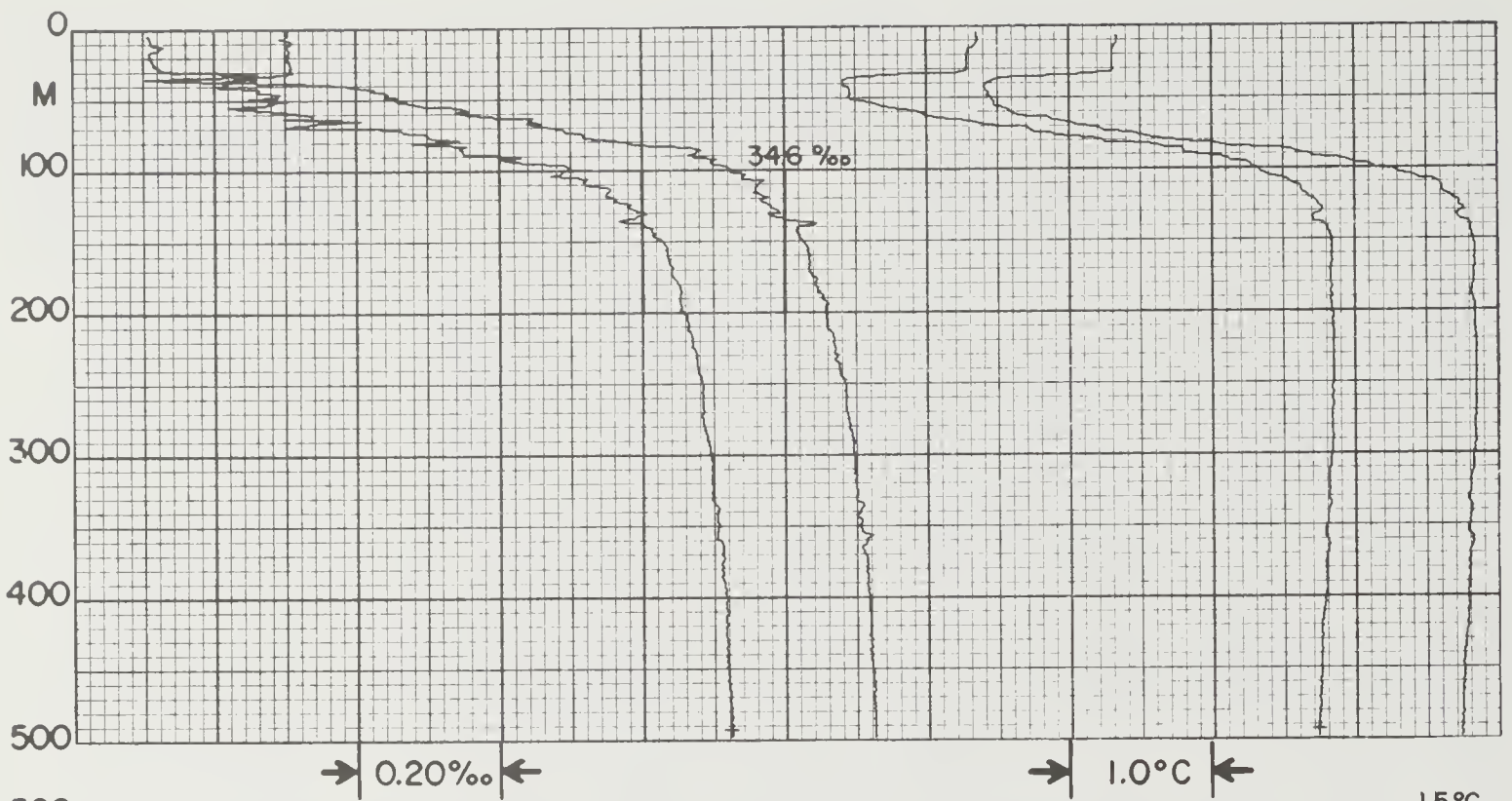
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1462 | 1 | 3 | 6 | 12 | 71 | 6.8 | 6329.3S | 14229.2E | 537 | 3842 | -1.0 | | 255 | 273 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CCM1 | 1 | | | 33.859 | | | | | | | 835 | | | 31 | | |
| CCM1 | 324 | 1.91 | | 34.691 | | 27.75 | | | | | 416 | | | 86 | | |
| COM1 | 824 | 1.58 | | 34.743 | | 27.82 | | | | | 462 | | | 96 | | |
| | | | | | | | | | | | | | | | | |
| STD | 0 | -0.29 | | 33.861 | | 27.22 | | 85.53 | 0.000 | 1446.4 | | | | | | |
| STD | 10 | -0.31 | | 33.862 | | 27.22 | | 85.37 | 0.009 | 1446.5 | | | | | | |
| STD | 20 | -0.34 | | 33.861 | | 27.23 | | 85.22 | 0.017 | 1446.5 | | | | | | |
| STD | 30 | -0.34 | | 33.860 | | 27.22 | | 85.32 | 0.026 | 1446.7 | | | | | | |
| STD | 50 | -1.19 | | 34.107 | | 27.46 | | 63.12 | 0.040 | 1443.4 | | | | | | |
| STD | 75 | 0.06 | | 34.395 | | 27.64 | | 46.37 | 0.054 | 1450.0 | | | | | | |
| STD | 100 | 1.52 | | 34.536 | | 27.66 | | 44.68 | 0.066 | 1457.2 | | | | | | |
| STD | 125 | 1.78 | | 34.585 | | 27.68 | | 42.84 | 0.076 | 1458.8 | | | | | | |
| STD | 150 | 1.88 | | 34.606 | | 27.69 | | 42.22 | 0.087 | 1459.7 | | | | | | |
| STD | 200 | 1.93 | | 34.642 | | 27.71 | | 40.01 | 0.108 | 1460.7 | | | | | | |
| STD | 250 | 1.92 | | 34.665 | | 27.73 | | 38.55 | 0.127 | 1461.6 | | | | | | |
| STD | 300 | 1.91 | | 34.686 | | 27.75 | | 37.07 | 0.146 | 1462.4 | | | | | | |
| STD | 400 | 1.88 | | 34.709 | | 27.77 | | 35.54 | 0.182 | 1464.0 | | | | | | |
| STD | 500 | 1.83 | | 34.721 | | 27.78 | | 34.58 | 0.218 | 1465.4 | | | | | | |
| STD | 600 | 1.75 | | 34.735 | | 27.80 | | 33.38 | 0.252 | 1466.8 | | | | | | |
| STD | 700 | 1.66 | | 34.738 | | 27.81 | | 32.71 | 0.285 | 1468.0 | | | | | | |
| STD | 800 | 1.59 | | 34.740 | | 27.82 | | 32.29 | 0.317 | 1469.4 | | | | | | |
| STD | 900 | 1.48 | | 34.741 | | 27.83 | | 31.61 | 0.349 | 1470.6 | | | | | | |
| STD | 1000 | 1.38 | | 34.739 | | 27.83 | | 31.08 | 0.380 | 1471.8 | | | | | | |
| STD | 1100 | 1.26 | | 34.732 | | 27.83 | | 30.77 | 0.411 | 1472.9 | | | | | | |
| STD | 1200 | 1.18 | | 34.730 | | 27.84 | | 30.42 | 0.442 | 1474.2 | | | | | | |
| STD | 1248 | 1.13 | | 34.729 | | 27.84 | | 30.11 | 0.456 | 1474.8 | | | | | | |
| | | | | | | | | | | | | | | | | |
| OBS2 | 1 | | | 33.880 | | | | | | | | | | | | |



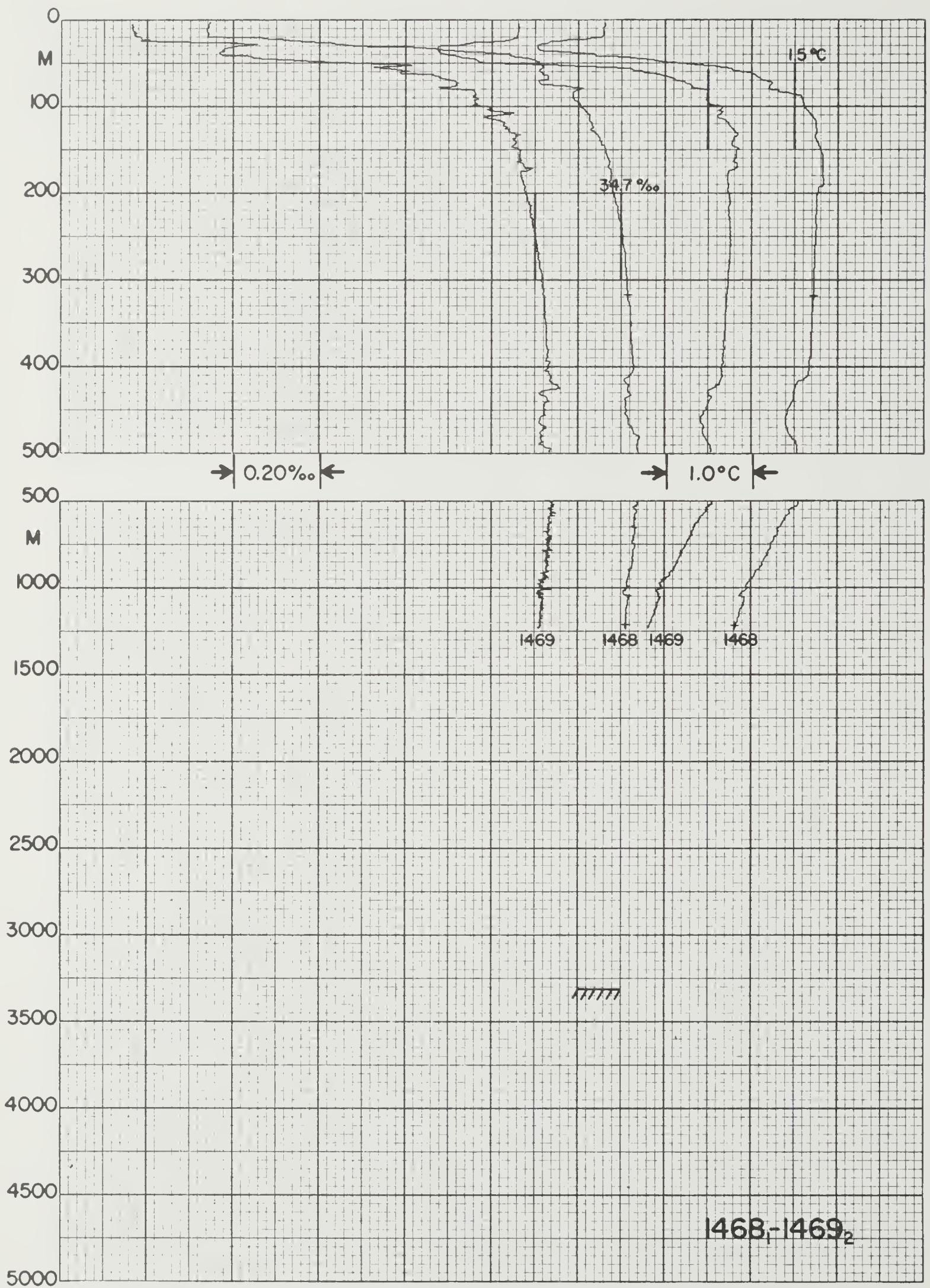
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1464 | 1 | 1 | 6 | 12 | 71 | 13.5 | 6400.6S | 14300.2E | 537 | 3751 | -1.1 | | 303 | 323 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CCM1 | 1831 | 0.56 | | 34.696 | | 27.85 | | | | | 505 | | | 126 | | |
| CCM1 | 2705 | 0.07 | | 34.677 | | 27.86 | | | | | 532 | | | 136 | | |
| CBS1 | 3101C | -0.12 | | 34.680 | | 27.87 | | | | | 563 | | | 128 | | |

| | | | | | | | | | | | | | | | | |
|------|------|-------|--------|-------|--------|-------|--------|--|--|--|--|--|--|--|--|--|
| STD | 0 | -1.24 | 33.586 | 27.04 | 103.15 | 0.000 | 1441.6 | | | | | | | | | |
| STD | 10 | -1.24 | 33.586 | 27.04 | 103.04 | 0.010 | 1441.7 | | | | | | | | | |
| STD | 20 | -1.18 | 33.643 | 27.08 | 98.84 | 0.020 | 1442.3 | | | | | | | | | |
| STD | 30 | -1.19 | 33.812 | 27.22 | 85.77 | 0.030 | 1442.6 | | | | | | | | | |
| STD | 50 | -1.25 | 34.105 | 27.46 | 63.11 | 0.045 | 1443.1 | | | | | | | | | |
| STD | 75 | -0.03 | 34.330 | 27.59 | 50.80 | 0.059 | 1449.5 | | | | | | | | | |
| STD | 100 | 1.15 | 34.571 | 27.71 | 39.40 | 0.070 | 1455.5 | | | | | | | | | |
| STD | 125 | 1.48 | 34.607 | 27.72 | 39.10 | 0.080 | 1457.5 | | | | | | | | | |
| STD | 150 | 1.66 | 34.628 | 27.72 | 38.89 | 0.090 | 1458.7 | | | | | | | | | |
| STD | 200 | 1.86 | 34.672 | 27.74 | 37.28 | 0.109 | 1460.5 | | | | | | | | | |
| STD | 250 | 1.84 | 34.681 | 27.75 | 36.68 | 0.127 | 1461.3 | | | | | | | | | |
| STD | 300 | 1.80 | 34.695 | 27.76 | 35.56 | 0.145 | 1461.9 | | | | | | | | | |
| STD | 400 | 1.75 | 34.719 | 27.79 | 33.75 | 0.180 | 1463.4 | | | | | | | | | |
| STD | 500 | 1.68 | 34.730 | 27.80 | 32.64 | 0.213 | 1464.7 | | | | | | | | | |
| STD | 600 | 1.62 | 34.735 | 27.81 | 32.17 | 0.245 | 1466.1 | | | | | | | | | |
| STD | 700 | 1.53 | 34.738 | 27.82 | 31.59 | 0.277 | 1467.4 | | | | | | | | | |
| STD | 800 | 1.45 | 34.738 | 27.83 | 31.14 | 0.309 | 1468.7 | | | | | | | | | |
| STD | 900 | 1.35 | 34.736 | 27.83 | 30.79 | 0.340 | 1470.0 | | | | | | | | | |
| STD | 1000 | 1.23 | 34.729 | 27.83 | 30.45 | 0.370 | 1471.1 | | | | | | | | | |
| STD | 1100 | 1.15 | 34.725 | 27.84 | 30.34 | 0.401 | 1472.4 | | | | | | | | | |
| STD | 1200 | 1.06 | 34.723 | 27.84 | 29.86 | 0.431 | 1473.7 | | | | | | | | | |
| STD | 1300 | 0.98 | 34.721 | 27.84 | 29.49 | 0.460 | 1475.0 | | | | | | | | | |
| STD | 1400 | 0.90 | 34.715 | 27.84 | 29.35 | 0.490 | 1476.3 | | | | | | | | | |
| STD | 1500 | 0.81 | 34.709 | 27.85 | 29.09 | 0.519 | 1477.7 | | | | | | | | | |
| STD | 1750 | 0.60 | 34.697 | 27.85 | 28.18 | 0.591 | 1480.9 | | | | | | | | | |
| STD | 2000 | 0.44 | 34.689 | 27.85 | 27.30 | 0.660 | 1484.5 | | | | | | | | | |
| STD | 2250 | 0.25 | 34.680 | 27.85 | 26.11 | 0.727 | 1487.9 | | | | | | | | | |
| STD | 2500 | 0.15 | 34.679 | 27.86 | 25.01 | 0.791 | 1491.8 | | | | | | | | | |
| STD | 2750 | 0.07 | 34.678 | 27.86 | 24.14 | 0.852 | 1495.7 | | | | | | | | | |
| STD | 3000 | -0.05 | 34.676 | 27.87 | 22.65 | 0.911 | 1499.5 | | | | | | | | | |
| STD | 3250 | -0.17 | 34.679 | 27.88 | 20.74 | 0.965 | 1503.4 | | | | | | | | | |
| STD | 3500 | -0.24 | 34.682 | 27.88 | 19.50 | 1.015 | 1507.5 | | | | | | | | | |
| STD | 3750 | -0.43 | 34.675 | 27.89 | 17.15 | 1.061 | 1511.1 | | | | | | | | | |
| STD | 3766 | -0.42 | 34.679 | 27.89 | 17.05 | 1.064 | 1511.4 | | | | | | | | | |
| PING | 10 | | | | | | | | | | | | | | | |

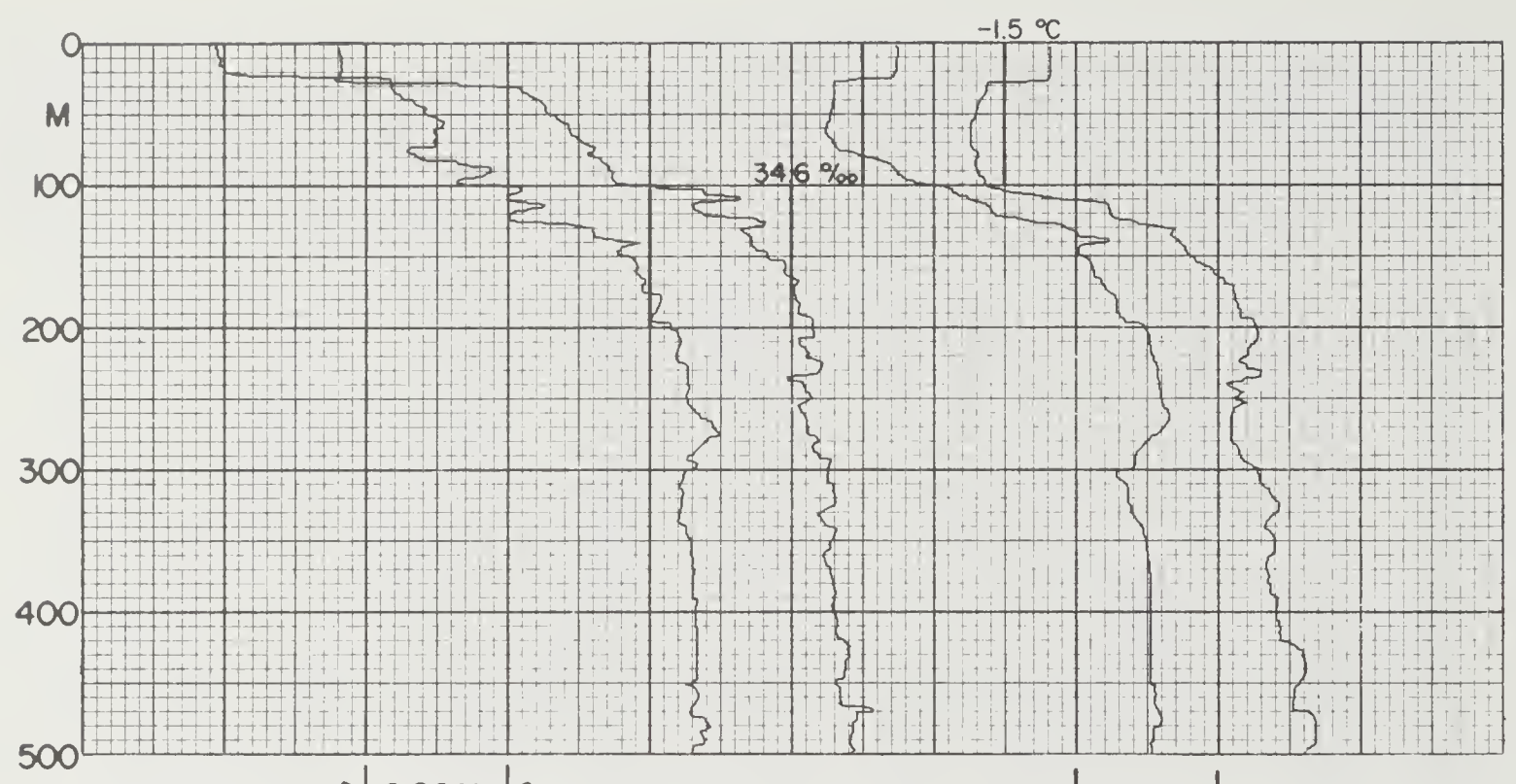
| | | | | | | | | | | | | | | | | |
|------|------|-------|--------|-------|--|--|--|--|--|--|-----|--|--|--|--|-----|
| CCM2 | 953 | 1.30 | 34.733 | 27.83 | | | | | | | 508 | | | | | 104 |
| CCM2 | 3652 | -0.38 | 34.675 | 27.88 | | | | | | | 587 | | | | | 112 |
| CCM2 | 3764 | -0.43 | 34.676 | 27.89 | | | | | | | 599 | | | | | 118 |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1466 | 1 | 1 | 6 | 12 | 71 | 23.4 | 6409.8S | 14401.3E | 537 | 3601 | -0.3 | | 23 | 322 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CBS1 | 1 | | | 33.901 | | | | | | | 747 | | | 35 | | |
| STD | 0 | -0.68 | | 33.890 | | 27.26 | | 81.73 | 0.000 | 1444.6 | | | | | | |
| STD | 10 | -0.68 | | 33.905 | | 27.28 | | 80.56 | 0.008 | 1444.8 | | | | | | |
| STD | 20 | -0.71 | | 33.902 | | 27.27 | | 80.62 | 0.016 | 1444.8 | | | | | | |
| STD | 30 | -0.71 | | 33.903 | | 27.27 | | 80.51 | 0.024 | 1445.0 | | | | | | |
| STD | 50 | -1.57 | | 34.052 | | 27.42 | | 66.19 | 0.039 | 1441.5 | | | | | | |
| STD | 75 | -0.62 | | 34.308 | | 27.60 | | 49.83 | 0.053 | 1446.7 | | | | | | |
| STD | 100 | 1.16 | | 34.524 | | 27.67 | | 43.12 | 0.065 | 1455.6 | | | | | | |
| STD | 125 | 1.72 | | 34.579 | | 27.68 | | 42.95 | 0.076 | 1458.5 | | | | | | |
| STD | 150 | 1.82 | | 34.624 | | 27.71 | | 40.36 | 0.086 | 1459.4 | | | | | | |
| STD | 200 | 1.83 | | 34.656 | | 27.73 | | 38.27 | 0.106 | 1460.3 | | | | | | |
| STD | 250 | 1.84 | | 34.683 | | 27.75 | | 36.53 | 0.125 | 1461.2 | | | | | | |
| STD | 300 | 1.82 | | 34.695 | | 27.76 | | 35.70 | 0.143 | 1462.0 | | | | | | |
| STD | 400 | 1.78 | | 34.716 | | 27.78 | | 34.22 | 0.178 | 1463.5 | | | | | | |
| STD | 500 | 1.73 | | 34.725 | | 27.79 | | 33.50 | 0.211 | 1465.0 | | | | | | |
| STD | 600 | 1.67 | | 34.731 | | 27.80 | | 32.91 | 0.245 | 1466.4 | | | | | | |
| STD | 700 | 1.59 | | 34.735 | | 27.81 | | 32.25 | 0.277 | 1467.7 | | | | | | |
| STD | 800 | 1.50 | | 34.734 | | 27.82 | | 31.95 | 0.309 | 1469.0 | | | | | | |
| STD | 900 | 1.39 | | 34.731 | | 27.82 | | 31.48 | 0.341 | 1470.1 | | | | | | |
| STD | 1000 | 1.31 | | 34.729 | | 27.83 | | 31.23 | 0.372 | 1471.5 | | | | | | |
| STD | 1100 | 1.22 | | 34.724 | | 27.83 | | 31.05 | 0.404 | 1472.7 | | | | | | |
| STD | 1200 | 1.12 | | 34.720 | | 27.83 | | 30.64 | 0.434 | 1474.0 | | | | | | |
| STD | 1236 | 1.09 | | 34.718 | | 27.83 | | 30.57 | 0.445 | 1474.5 | | | | | | |
| CCM2 | 494 | 1.73 | | 34.722 | | 27.79 | | | | | 456 | | | | | 26 |
| CCM2 | 1227 | 1.10 | | 34.720 | | 27.84 | | | | | 477 | | | | | 111 |

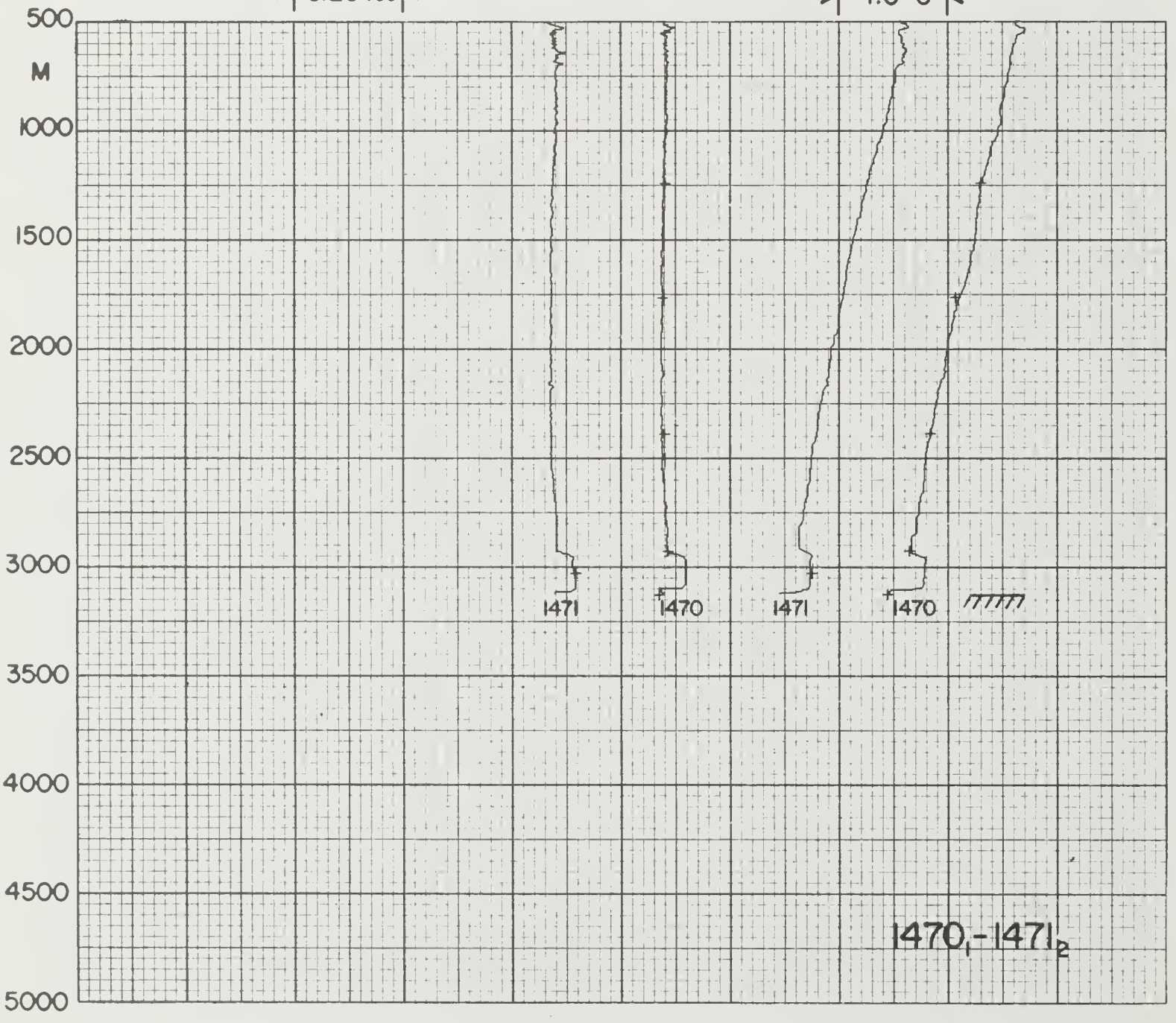


| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1468 | 1 | 3 | 7 | 12 | 71 | 4.0 | 6435.2S | 14359.4E | 537 | 3322 | -0.4 | | 114 | 262 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CCM1 | 319 | 1.72 | | 34.715 | | 27.79 | | | | | 456 | | | 93 | | |
| CCM1 | 1218 | 0.82 | | 34.711 | | 27.85 | | | | | 493 | | | 117 | | |
| STD | 0 | -0.70 | | 33.747 | | 27.15 | | 92.63 | 0.000 | 1444.3 | | | | | | |
| STD | 10 | -0.71 | | 33.742 | | 27.14 | | 92.92 | 0.009 | 1444.4 | | | | | | |
| STD | 20 | -0.73 | | 33.741 | | 27.14 | | 92.88 | 0.019 | 1444.5 | | | | | | |
| STD | 30 | -1.47 | | 34.042 | | 27.41 | | 67.37 | 0.027 | 1441.6 | | | | | | |
| STD | 50 | 0.09 | | 34.508 | | 27.73 | | 37.86 | 0.037 | 1449.8 | | | | | | |
| STD | 75 | 1.23 | | 34.510 | | 27.66 | | 44.51 | 0.047 | 1455.4 | | | | | | |
| STD | 100 | 1.60 | | 34.603 | | 27.71 | | 40.14 | 0.058 | 1457.6 | | | | | | |
| STD | 125 | 1.74 | | 34.633 | | 27.72 | | 39.01 | 0.068 | 1458.7 | | | | | | |
| STD | 150 | 1.79 | | 34.660 | | 27.74 | | 37.43 | 0.077 | 1459.4 | | | | | | |
| STD | 200 | 1.77 | | 34.678 | | 27.75 | | 36.08 | 0.096 | 1460.1 | | | | | | |
| STD | 250 | 1.74 | | 34.701 | | 27.77 | | 34.37 | 0.113 | 1460.8 | | | | | | |
| STD | 300 | 1.72 | | 34.712 | | 27.78 | | 33.63 | 0.130 | 1461.6 | | | | | | |
| STD | 400 | 1.67 | | 34.727 | | 27.80 | | 32.42 | 0.163 | 1463.0 | | | | | | |
| STD | 500 | 1.53 | | 34.738 | | 27.82 | | 30.85 | 0.195 | 1464.1 | | | | | | |
| STD | 600 | 1.40 | | 34.732 | | 27.82 | | 30.52 | 0.226 | 1465.2 | | | | | | |
| STD | 700 | 1.31 | | 34.732 | | 27.83 | | 30.15 | 0.256 | 1466.5 | | | | | | |
| STD | 800 | 1.20 | | 34.728 | | 27.83 | | 29.74 | 0.286 | 1467.6 | | | | | | |
| STD | 900 | 1.09 | | 34.721 | | 27.84 | | 29.56 | 0.316 | 1468.8 | | | | | | |
| STD | 1000 | 0.95 | | 34.715 | | 27.84 | | 29.03 | 0.345 | 1469.8 | | | | | | |
| STD | 1100 | 0.92 | | 34.716 | | 27.84 | | 28.87 | 0.374 | 1471.4 | | | | | | |
| STD | 1200 | 0.85 | | 34.713 | | 27.85 | | 28.65 | 0.403 | 1472.7 | | | | | | |
| STD | 1242 | 0.81 | | 34.709 | | 27.85 | | 28.54 | 0.415 | 1473.3 | | | | | | |

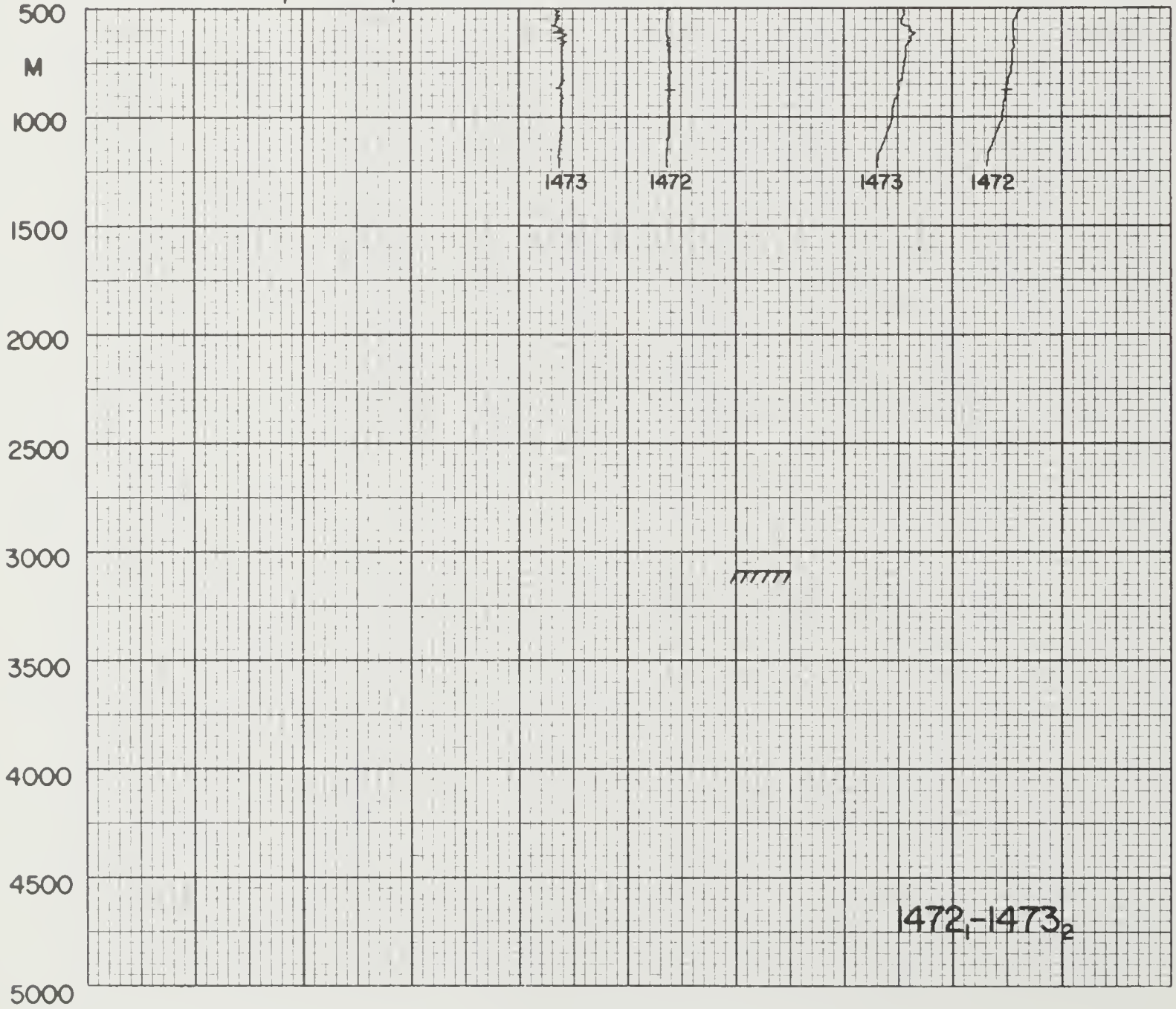
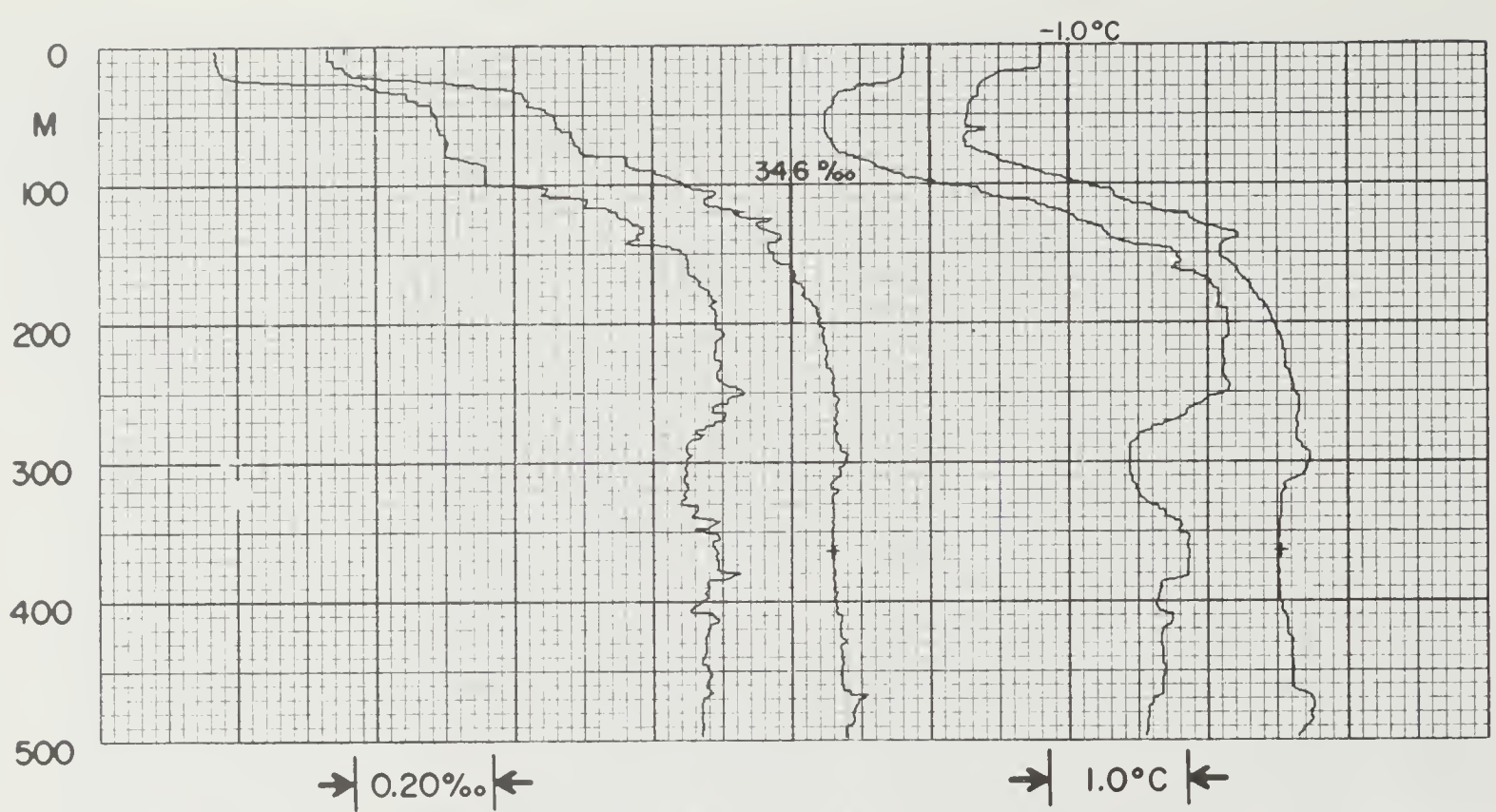


→ 0.20 ‰ ←

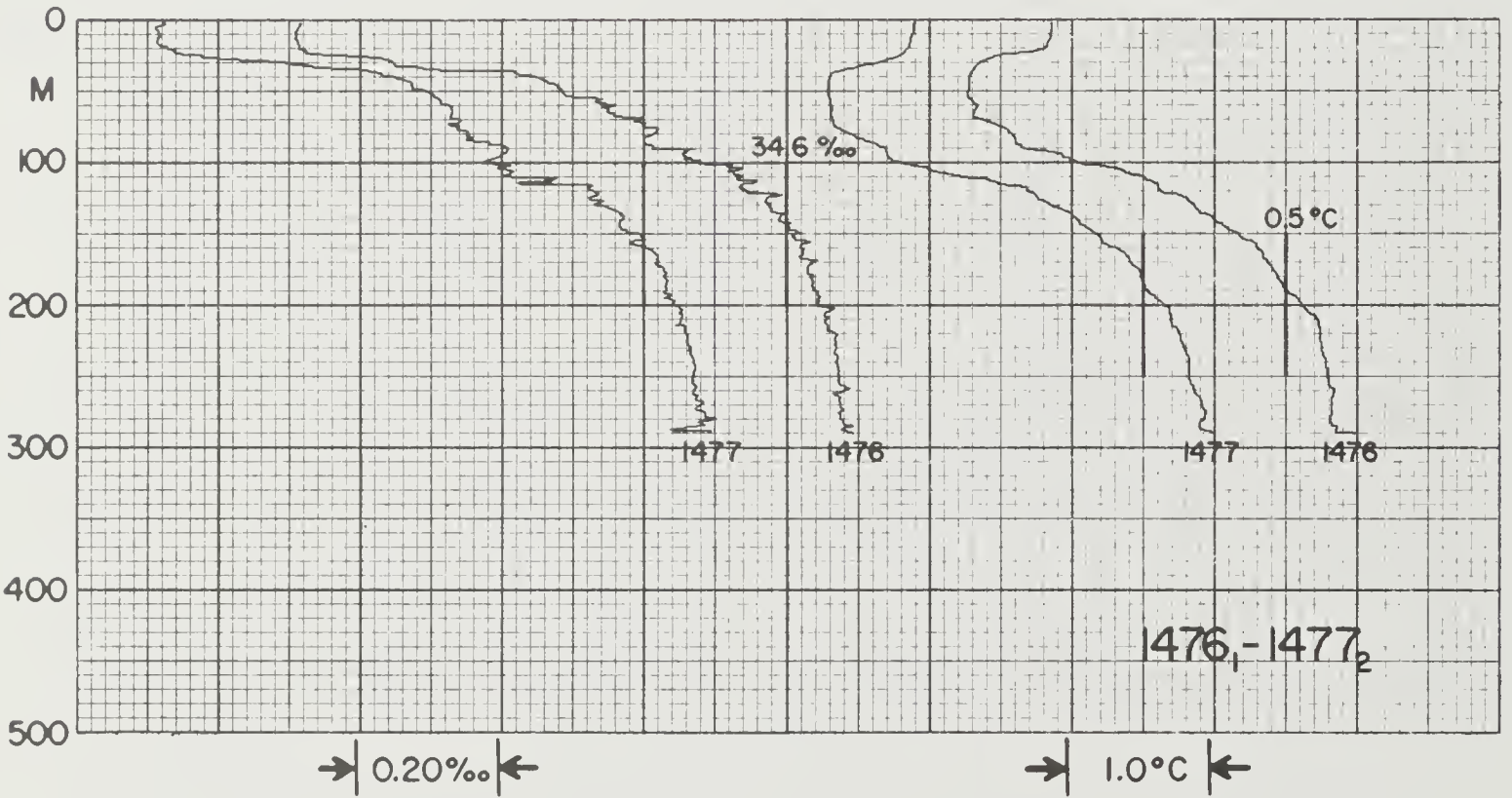
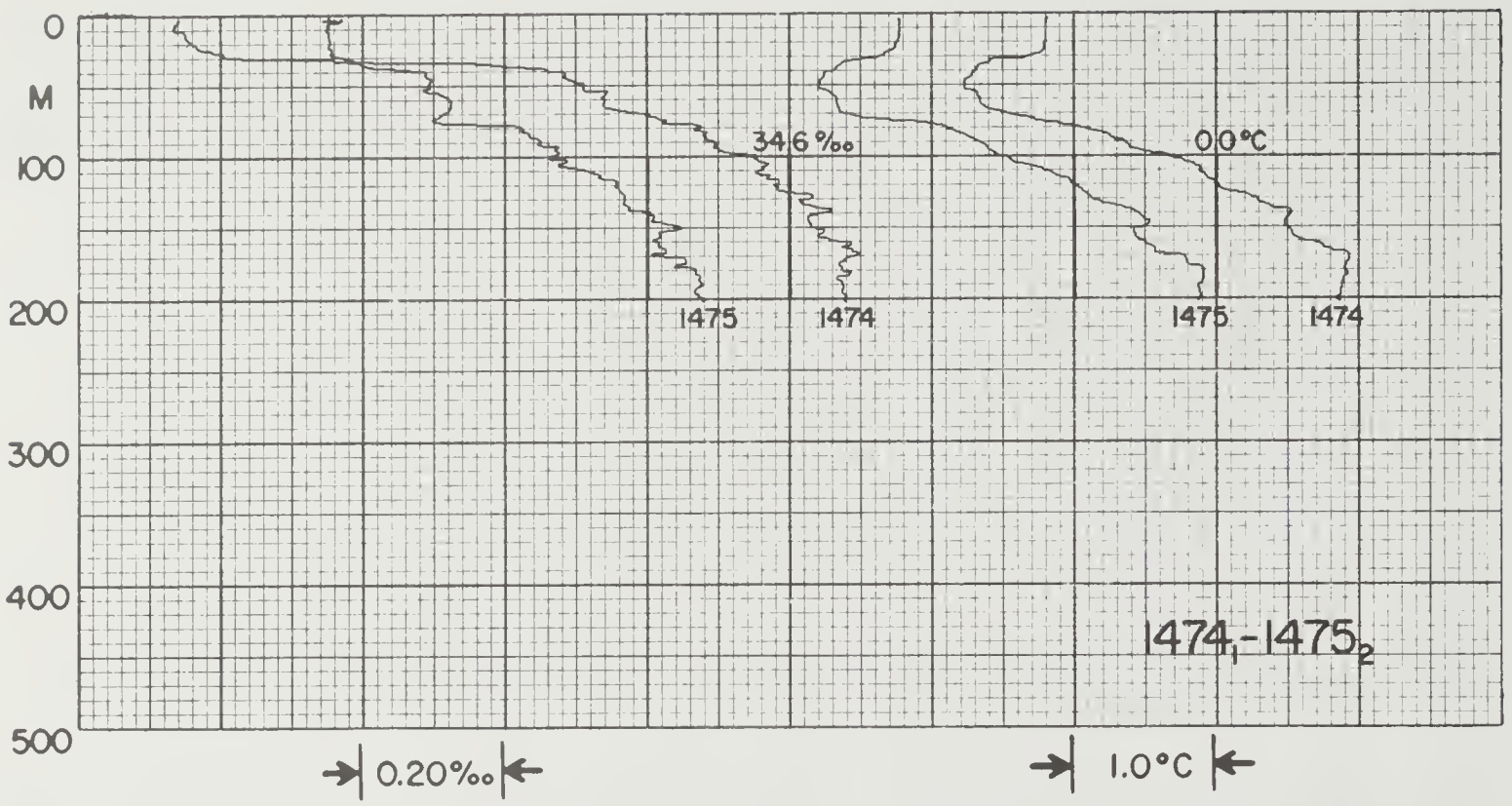
→ 1.0 °C ←



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|-------|------------------------|-------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 147C | 1 | 3 | 7 | 12 | 71 | 10.6 | 6500.4S | 14340.0E | 537 | 3146 | -2.1 | | 153 | 142 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| COM1 | 1247 | 0.30 | | 34.682 | | 27.85 | | | | | 516 | | | 121 | | |
| CCM1 | 1772 | 0.07 | | 34.678 | | 27.86 | | | | | 528 | | | 125 | | |
| COM1 | 2393 | -0.16 | | 34.681 | | 27.88 | | | | | 542 | | | 121 | | |
| COM1 | 2933 | -0.35 | | 34.688 | | 27.89 | | | | | 578 | | | 108 | | |
| COM1 | 3136 | -0.55 | | 34.673 | | 27.89 | | | | | 605 | | | 103 | | |
| STD | 0 | -1.19 | | 33.959 | 27.34 | 74.68 | 0.000 | 1442.4 | | | | | | | | |
| STD | 10 | -1.19 | | 33.963 | 27.34 | 74.34 | 0.007 | 1442.5 | | | | | | | | |
| STD | 20 | -1.19 | | 33.964 | 27.34 | 74.24 | 0.015 | 1442.7 | | | | | | | | |
| STD | 30 | -1.63 | | 34.152 | 27.51 | 58.45 | 0.022 | 1441.0 | | | | | | | | |
| STD | 50 | -1.71 | | 34.257 | 27.59 | 50.12 | 0.032 | 1441.1 | | | | | | | | |
| STD | 75 | -1.74 | | 34.321 | 27.65 | 45.00 | 0.044 | 1441.5 | | | | | | | | |
| STD | 100 | -1.65 | | 34.407 | 27.71 | 38.50 | 0.055 | 1442.5 | | | | | | | | |
| STD | 125 | -0.67 | | 34.551 | 27.80 | 30.95 | 0.063 | 1447.6 | | | | | | | | |
| STD | 150 | -0.21 | | 34.563 | 27.79 | 32.13 | 0.071 | 1450.2 | | | | | | | | |
| STD | 200 | 0.26 | | 34.627 | 27.81 | 29.74 | 0.087 | 1453.3 | | | | | | | | |
| STD | 250 | 0.11 | | 34.625 | 27.82 | 29.08 | 0.101 | 1453.4 | | | | | | | | |
| STD | 300 | 0.27 | | 34.650 | 27.83 | 28.06 | 0.116 | 1455.0 | | | | | | | | |
| STD | 400 | 0.40 | | 34.658 | 27.83 | 28.40 | 0.144 | 1457.3 | | | | | | | | |
| STD | 500 | 0.63 | | 34.689 | 27.84 | 27.68 | 0.172 | 1460.0 | | | | | | | | |
| STD | 600 | 0.62 | | 34.684 | 27.84 | 28.09 | 0.200 | 1461.6 | | | | | | | | |
| STD | 700 | 0.58 | | 34.686 | 27.84 | 27.73 | 0.228 | 1463.1 | | | | | | | | |
| STD | 800 | 0.53 | | 34.684 | 27.84 | 27.63 | 0.255 | 1464.6 | | | | | | | | |
| STD | 900 | 0.48 | | 34.683 | 27.84 | 27.39 | 0.283 | 1466.0 | | | | | | | | |
| STD | 1000 | 0.46 | | 34.685 | 27.85 | 27.14 | 0.310 | 1467.6 | | | | | | | | |
| STD | 1100 | 0.39 | | 34.683 | 27.85 | 26.81 | 0.337 | 1469.0 | | | | | | | | |
| STD | 1200 | 0.34 | | 34.681 | 27.85 | 26.58 | 0.364 | 1470.4 | | | | | | | | |
| STD | 1300 | 0.29 | | 34.679 | 27.85 | 26.33 | 0.390 | 1471.9 | | | | | | | | |
| STD | 1400 | 0.27 | | 34.678 | 27.85 | 26.23 | 0.417 | 1473.5 | | | | | | | | |
| STD | 1500 | 0.25 | | 34.678 | 27.85 | 26.08 | 0.443 | 1475.1 | | | | | | | | |
| STD | 1750 | 0.13 | | 34.679 | 27.86 | 24.88 | 0.507 | 1478.8 | | | | | | | | |
| STD | 2000 | 0.00 | | 34.677 | 27.87 | 23.71 | 0.567 | 1482.5 | | | | | | | | |
| STD | 2250 | -0.10 | | 34.678 | 27.87 | 22.39 | 0.625 | 1486.3 | | | | | | | | |
| STD | 2500 | -0.20 | | 34.678 | 27.88 | 21.15 | 0.679 | 1490.2 | | | | | | | | |
| STD | 2750 | -0.26 | | 34.685 | 27.89 | 19.73 | 0.730 | 1494.3 | | | | | | | | |
| STD | 3000 | -0.21 | | 34.719 | 27.91 | 17.68 | 0.777 | 1498.9 | | | | | | | | |
| STD | 3136 | -0.54 | | 34.680 | 27.89 | 16.38 | 0.800 | 1499.8 | | | | | | | | |
| PING | 5 | | | | | | | | | | | | | | | |
| CCM2 | 3041 | -0.24 | | 34.718 | 27.91 | | | | | | 570 | | | | | 108 |



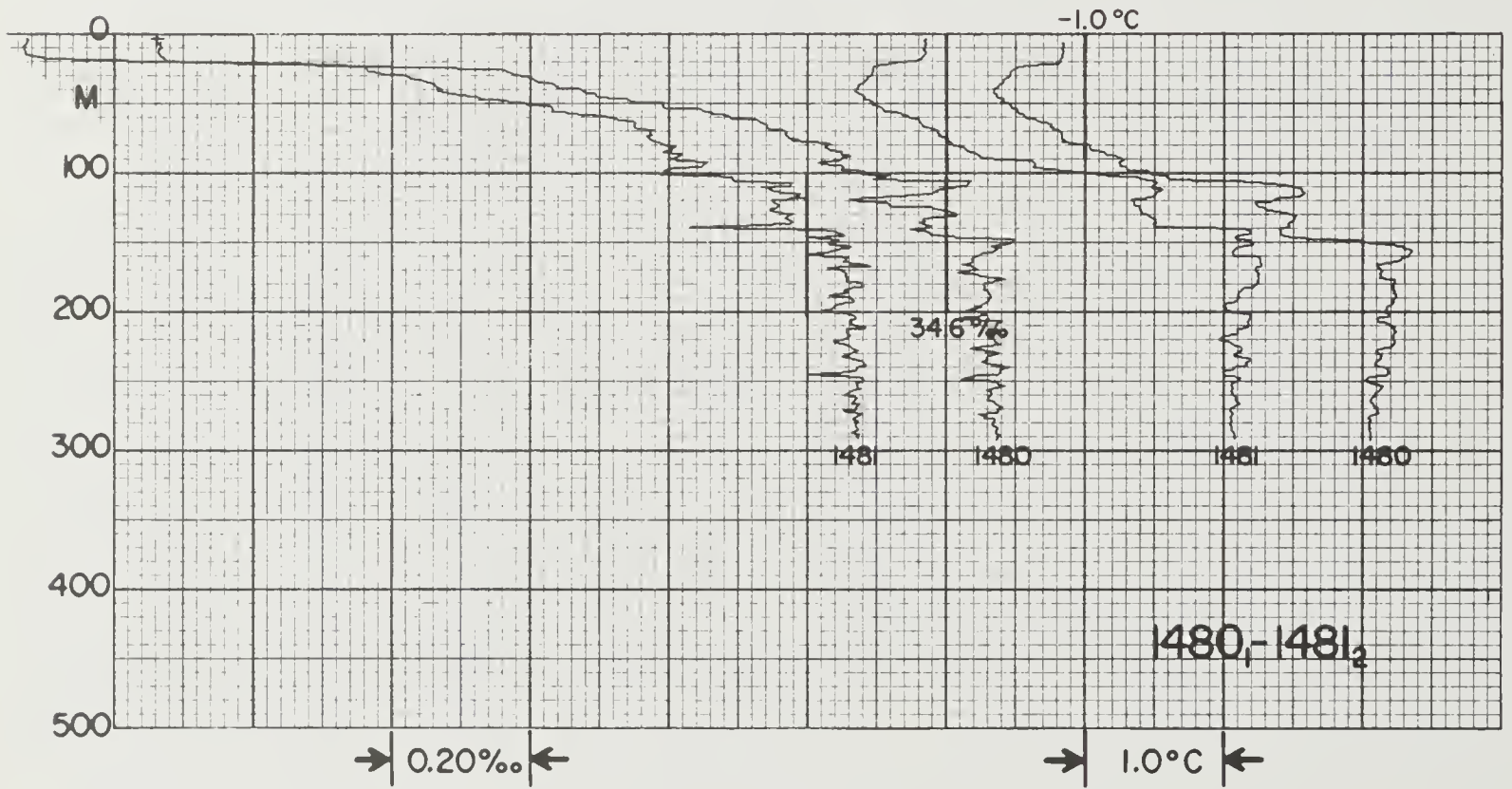
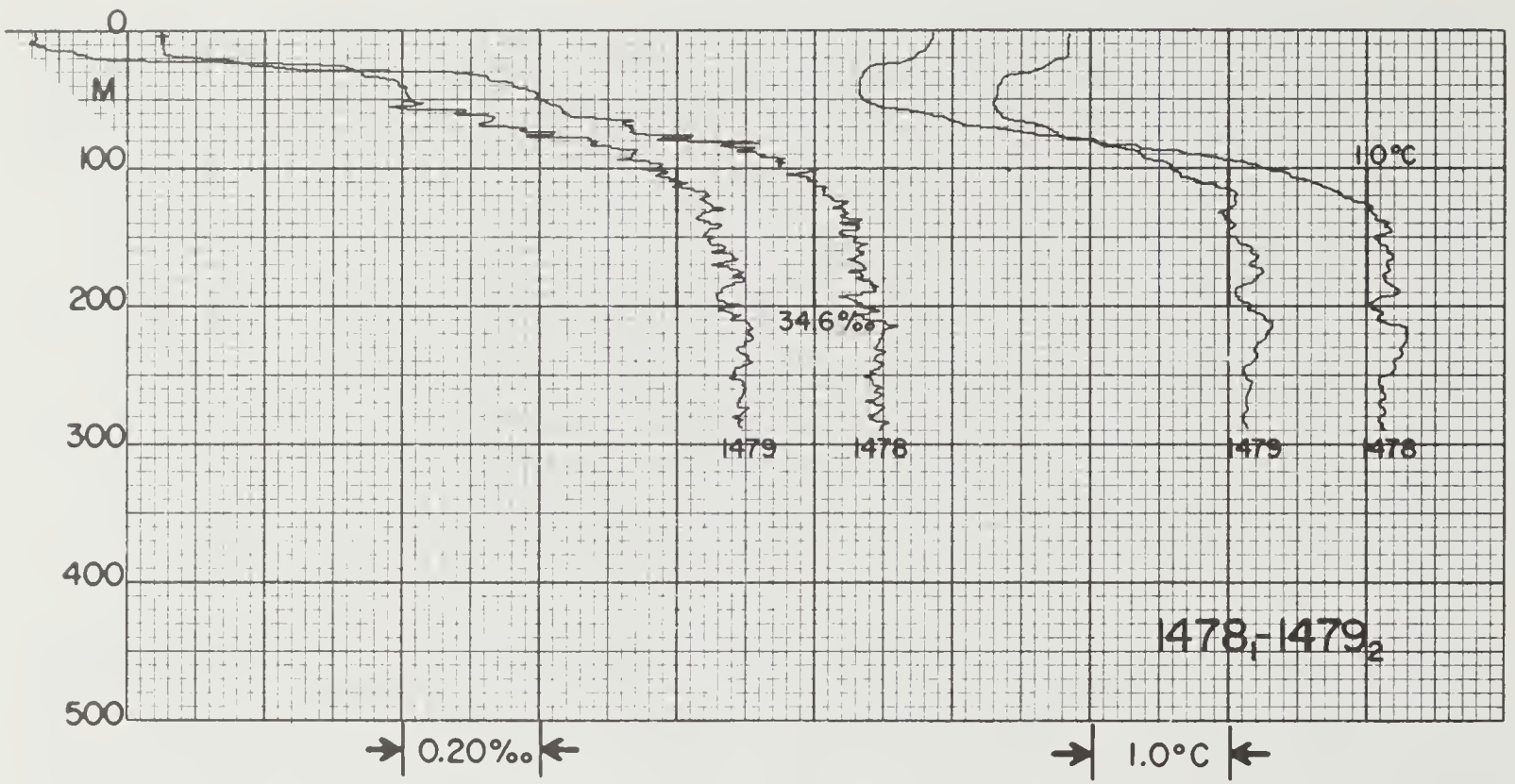
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1472 | 1 | 3 | 8 | 12 | 71 | 1.5 | 6500.0S | 14344.7E | 537 | 3085 | -1.9 | | 195 | 183 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CBS1 | 1 | | | 33.953 | | | | | | | | | | 52 | | |
| CCM1 | 365 | 0.51 | | 34.655 | | 27.82 | | | | | | | | | | |
| CCM1 | 886 | 0.49 | | 34.679 | | 27.84 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| STD | 0 | -1.22 | | 33.928 | | 27.31 | | 77.01 | 0.000 | 1442.2 | | | | | | |
| STD | 10 | -1.22 | | 33.928 | | 27.31 | | 76.91 | 0.008 | 1442.3 | | | | | | |
| STD | 20 | -1.41 | | 33.955 | | 27.34 | | 74.22 | 0.015 | 1441.6 | | | | | | |
| STD | 30 | -1.66 | | 34.141 | | 27.50 | | 59.28 | 0.022 | 1440.9 | | | | | | |
| STD | 50 | -1.74 | | 34.251 | | 27.59 | | 50.50 | 0.033 | 1441.0 | | | | | | |
| STD | 75 | -1.75 | | 34.292 | | 27.62 | | 47.17 | 0.045 | 1441.4 | | | | | | |
| STD | 100 | -0.96 | | 34.438 | | 27.72 | | 38.47 | 0.056 | 1445.7 | | | | | | |
| STD | 125 | -0.15 | | 34.527 | | 27.75 | | 35.23 | 0.065 | 1450.0 | | | | | | |
| STD | 150 | 0.07 | | 34.569 | | 27.78 | | 33.12 | 0.074 | 1451.5 | | | | | | |
| STD | 200 | 0.45 | | 34.636 | | 27.81 | | 30.17 | 0.089 | 1454.1 | | | | | | |
| STD | 250 | 0.60 | | 34.658 | | 27.82 | | 29.52 | 0.104 | 1455.7 | | | | | | |
| STD | 300 | 0.72 | | 34.676 | | 27.82 | | 29.00 | 0.119 | 1457.1 | | | | | | |
| STD | 400 | 0.50 | | 34.660 | | 27.83 | | 28.84 | 0.148 | 1457.7 | | | | | | |
| STD | 500 | 0.64 | | 34.675 | | 27.83 | | 28.74 | 0.177 | 1460.0 | | | | | | |
| STD | 600 | 0.55 | | 34.672 | | 27.83 | | 28.47 | 0.205 | 1461.3 | | | | | | |
| STD | 700 | 0.55 | | 34.676 | | 27.83 | | 28.28 | 0.234 | 1463.0 | | | | | | |
| STD | 800 | 0.53 | | 34.678 | | 27.84 | | 28.10 | 0.262 | 1464.6 | | | | | | |
| STD | 900 | 0.48 | | 34.676 | | 27.84 | | 27.97 | 0.290 | 1466.0 | | | | | | |
| STD | 1000 | 0.45 | | 34.676 | | 27.84 | | 27.79 | 0.318 | 1467.6 | | | | | | |
| STD | 1100 | 0.39 | | 34.675 | | 27.84 | | 27.32 | 0.345 | 1468.9 | | | | | | |
| STD | 1200 | 0.32 | | 34.673 | | 27.85 | | 27.00 | 0.372 | 1470.3 | | | | | | |
| STD | 1242 | 0.31 | | 34.675 | | 27.85 | | 26.73 | 0.384 | 1471.0 | | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------------|-------------------------|----------------------|-----|-----|
| EL 50 | 1474 | 1 | 3 | 8 | 12 | 71 | 3.7 | 6457.8S | 14344.0E | 537 | 3143 | -1.8 | | 184 | 183 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² · μ gat/l | NITR 10· μ gat/l | SILIC μ gat/l | | |
| CBS1 | 5 | | | 33.949 | | | | | | | | | | | | |

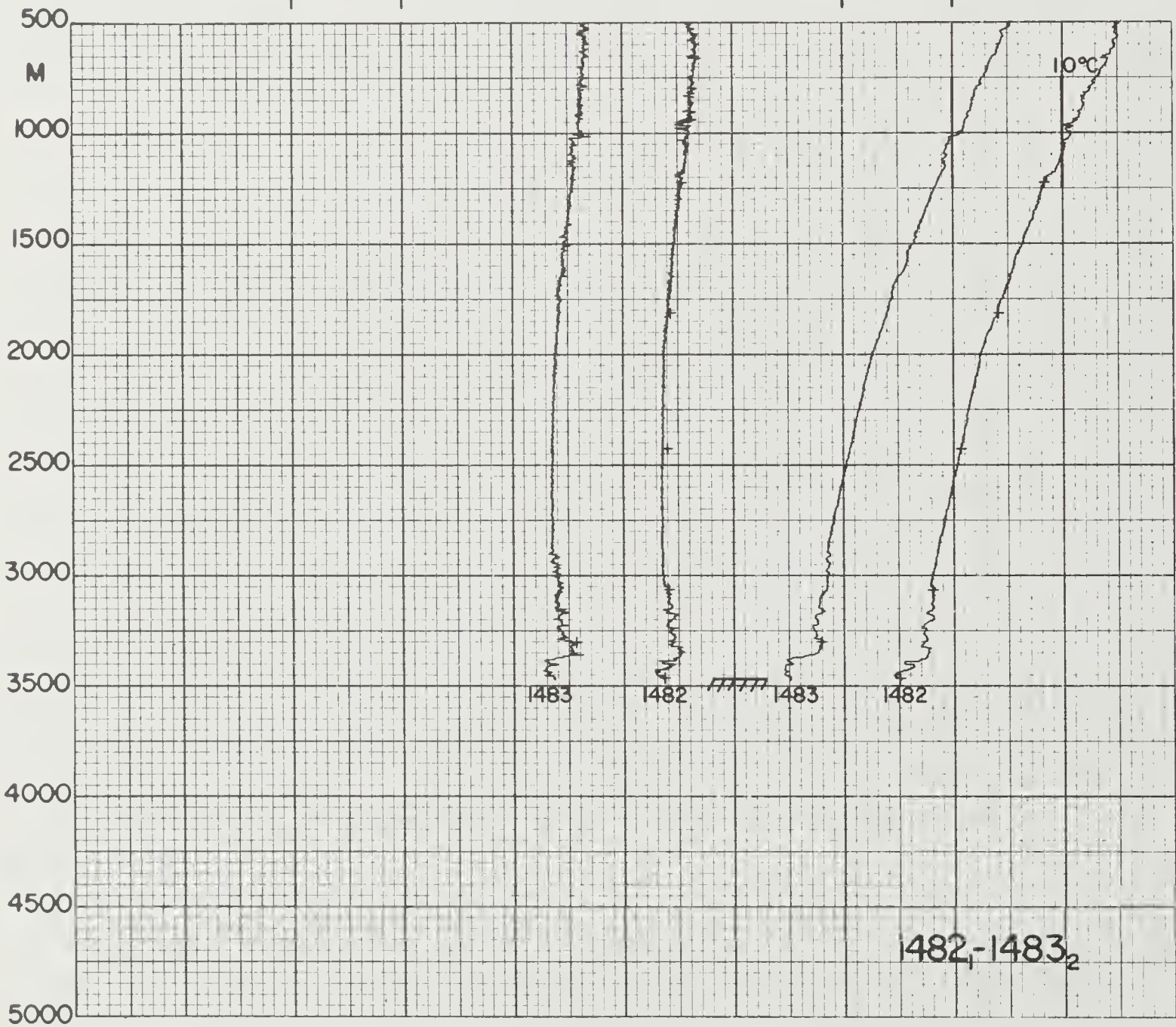
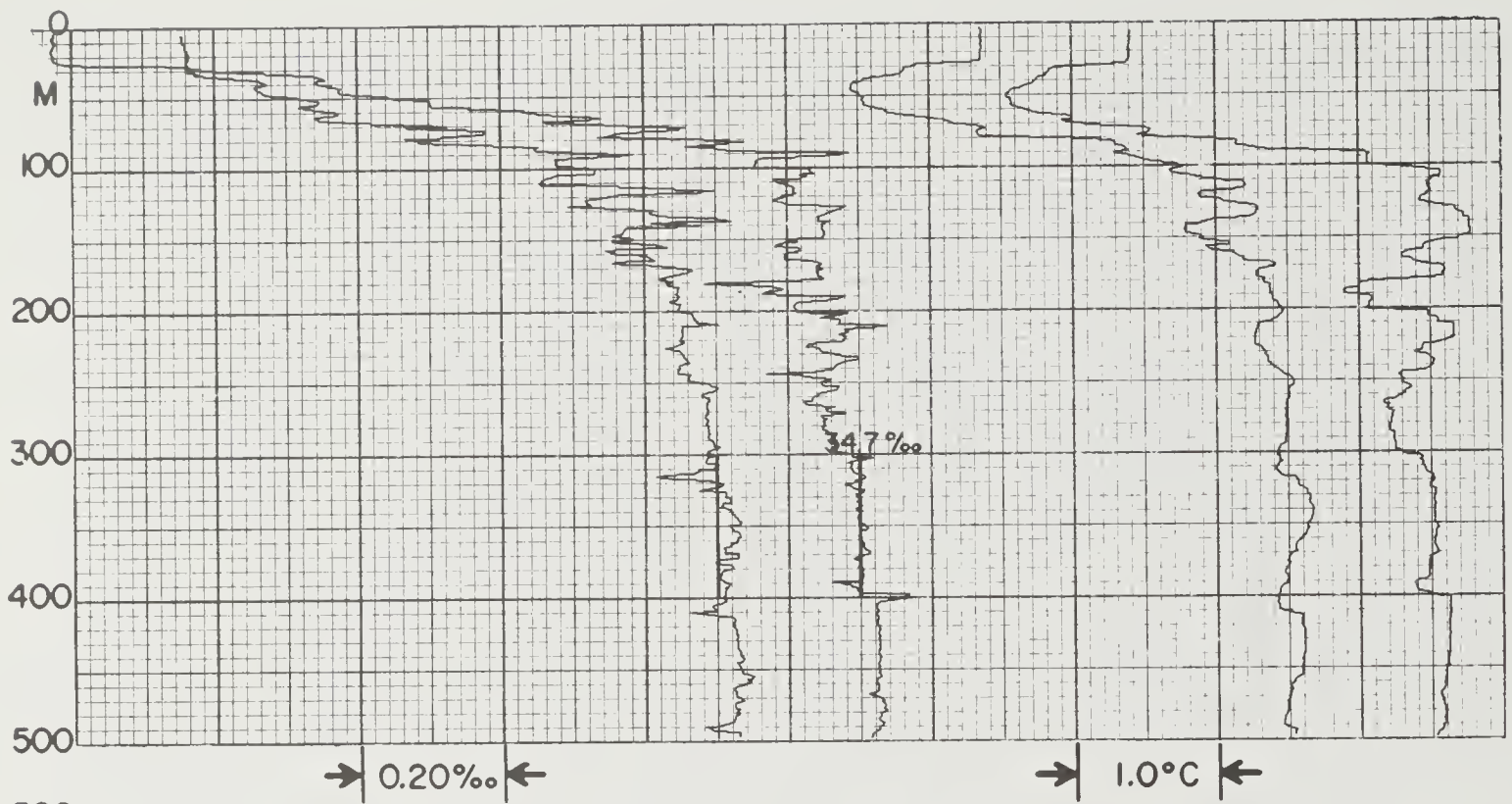
| | | | | | | | | | | | | | | | | |
|-----|-----|-------|--------|-------|-------|-------|--------|--|--|--|--|--|--|--|--|--|
| STD | 0 | -1.20 | 33.969 | 27.35 | 73.91 | 0.000 | 1442.3 | | | | | | | | | |
| STD | 10 | -1.21 | 33.947 | 27.33 | 75.51 | 0.007 | 1442.4 | | | | | | | | | |
| STD | 20 | -1.21 | 33.952 | 27.33 | 75.08 | 0.015 | 1442.5 | | | | | | | | | |
| STD | 30 | -1.32 | 33.958 | 27.34 | 74.24 | 0.022 | 1442.2 | | | | | | | | | |
| STD | 50 | -1.78 | 34.308 | 27.64 | 46.00 | 0.034 | 1440.9 | | | | | | | | | |
| STD | 75 | -1.29 | 34.423 | 27.72 | 38.49 | 0.045 | 1443.8 | | | | | | | | | |
| STD | 100 | -0.37 | 34.546 | 27.78 | 32.75 | 0.054 | 1448.6 | | | | | | | | | |
| STD | 125 | 0.06 | 34.589 | 27.79 | 31.57 | 0.062 | 1451.0 | | | | | | | | | |
| STD | 150 | 0.47 | 34.628 | 27.80 | 30.90 | 0.070 | 1453.4 | | | | | | | | | |
| STD | 200 | 0.84 | 34.677 | 27.82 | 29.53 | 0.085 | 1456.0 | | | | | | | | | |
| STD | 203 | 0.86 | 34.677 | 27.82 | 29.75 | 0.086 | 1456.1 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|--------|------------|-------|------------------------|--------|--------------|-----------------|----------------|-------------------------------|---------------------------------------|-------------------------|----------------------|-----|-----|
| EL 50 | 1476 | 1 | 3 | 8 | 12 | 71 | 4.8 | 6454.5S | 14345.3E | 537 | 3242 | -1.8 | | 184 | 182 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² · μ gat/l | NITR 10· μ gat/l | SILIC μ gat/l | | |
| STD | 0 | -1.14 | 33.917 | 27.30 | 78.09 | 0.000 | 1442.5 | | | | | | | | | |
| STD | 10 | -1.14 | 33.910 | 27.30 | 78.56 | 0.008 | 1442.6 | | | | | | | | | |
| STD | 20 | -1.17 | 33.914 | 27.30 | 78.09 | 0.016 | 1442.7 | | | | | | | | | |
| STD | 30 | -1.62 | 34.043 | 27.42 | 66.85 | 0.023 | 1440.9 | | | | | | | | | |
| STD | 50 | -1.72 | 34.282 | 27.61 | 48.11 | 0.034 | 1441.1 | | | | | | | | | |
| STD | 75 | -1.52 | 34.399 | 27.70 | 39.65 | 0.045 | 1442.6 | | | | | | | | | |
| STD | 100 | -0.98 | 34.473 | 27.75 | 35.68 | 0.055 | 1445.7 | | | | | | | | | |
| STD | 125 | -0.22 | 34.579 | 27.80 | 30.92 | 0.063 | 1449.8 | | | | | | | | | |
| STD | 150 | 0.14 | 34.615 | 27.81 | 30.03 | 0.071 | 1451.9 | | | | | | | | | |
| STD | 200 | 0.62 | 34.644 | 27.81 | 30.60 | 0.086 | 1454.9 | | | | | | | | | |
| STD | 250 | 0.80 | 34.673 | 27.82 | 29.75 | 0.101 | 1456.6 | | | | | | | | | |
| STD | 292 | 0.99 | 34.694 | 27.82 | 29.48 | 0.114 | 1458.2 | | | | | | | | | |

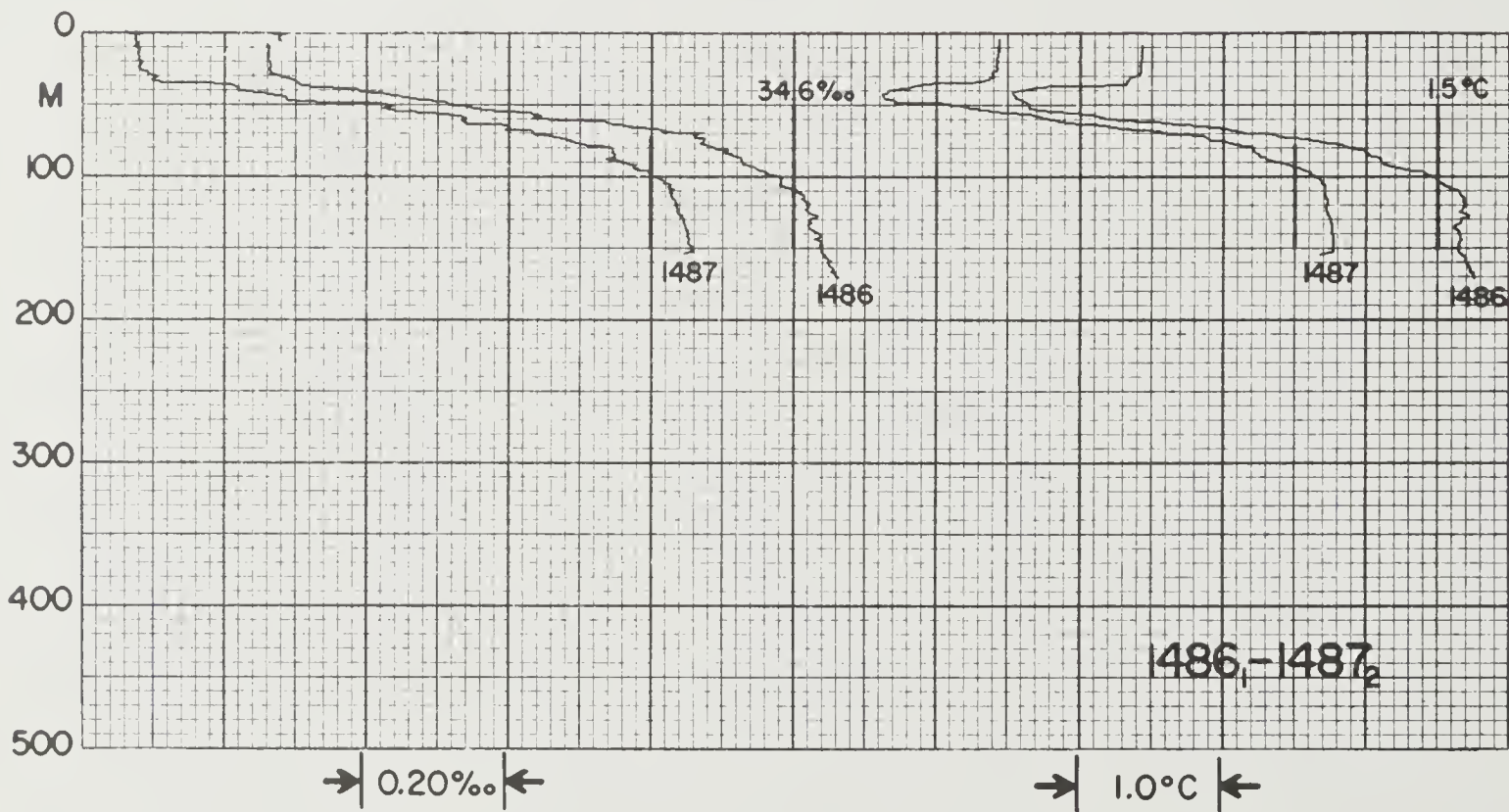
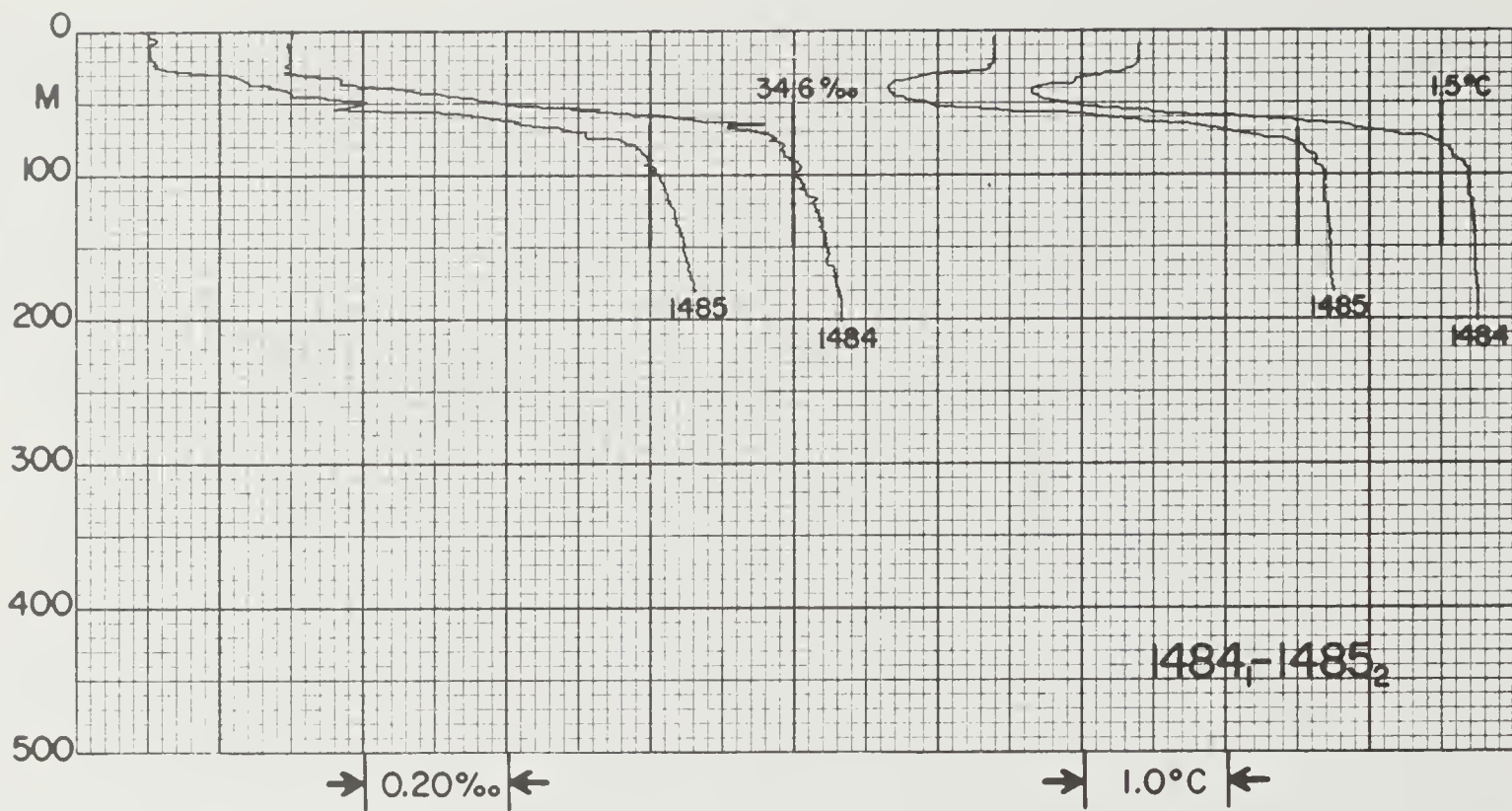


| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1478 | 1 | 3 | 8 | 12 | 71 | 6.3 | 6448.4S | 14346.2E | 537 | 3266 | -1.2 | | 204 | 202 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| CBS1 | 5 | | | 33.650 | | | | | | | | | | | | |
| STD | 0 | -1.15 | | 33.653 | | 27.09 | | 98.25 | 0.000 | | 1442.1 | | | | | |
| STD | 10 | -1.16 | | 33.652 | | 27.09 | | 98.29 | 0.010 | | 1442.2 | | | | | |
| STD | 20 | -1.16 | | 33.676 | | 27.11 | | 96.40 | 0.020 | | 1442.4 | | | | | |
| STD | 30 | -1.39 | | 33.922 | | 27.31 | | 76.79 | 0.028 | | 1441.9 | | | | | |
| STD | 50 | -1.68 | | 34.195 | | 27.54 | | 54.97 | 0.041 | | 1441.2 | | | | | |
| STD | 75 | -1.24 | | 34.333 | | 27.64 | | 45.56 | 0.054 | | 1443.8 | | | | | |
| STD | 100 | 0.23 | | 34.550 | | 27.75 | | 35.42 | 0.064 | | 1451.4 | | | | | |
| STD | 125 | 0.92 | | 34.646 | | 27.79 | | 32.37 | 0.073 | | 1455.1 | | | | | |
| STD | 150 | 1.07 | | 34.647 | | 27.78 | | 33.20 | 0.081 | | 1456.1 | | | | | |
| STD | 200 | 1.04 | | 34.670 | | 27.80 | | 31.41 | 0.097 | | 1456.9 | | | | | |
| STD | 250 | 1.19 | | 34.690 | | 27.81 | | 31.08 | 0.113 | | 1458.4 | | | | | |
| STD | 291 | 1.15 | | 34.697 | | 27.81 | | 30.42 | 0.125 | | 1458.9 | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1480 | 1 | 1 | 8 | 12 | 71 | 8.2 | 6440.4S | 14402.5E | 537 | 3279 | -1.1 | | 224 | 222 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| CBS1 | 5 | | | 33.462 | | | | | | | | | | | | |
| STD | 0 | -1.15 | | 33.469 | | 26.94 | | 112.38 | 0.000 | | 1441.8 | | | | | |
| STD | 10 | -1.15 | | 33.466 | | 26.94 | | 112.52 | 0.011 | | 1442.0 | | | | | |
| STD | 20 | -1.17 | | 33.472 | | 26.94 | | 111.95 | 0.022 | | 1442.1 | | | | | |
| STD | 30 | -1.53 | | 33.974 | | 27.36 | | 72.40 | 0.032 | | 1441.2 | | | | | |
| STD | 50 | -1.60 | | 34.152 | | 27.51 | | 58.44 | 0.045 | | 1441.5 | | | | | |
| STD | 75 | -1.16 | | 34.372 | | 27.67 | | 42.86 | 0.057 | | 1444.3 | | | | | |
| STD | 100 | -0.54 | | 34.479 | | 27.73 | | 37.03 | 0.067 | | 1447.7 | | | | | |
| STD | 125 | 0.25 | | 34.542 | | 27.74 | | 36.22 | 0.077 | | 1451.9 | | | | | |
| STD | 150 | 0.96 | | 34.700 | | 27.83 | | 28.49 | 0.085 | | 1455.7 | | | | | |
| STD | 200 | 1.18 | | 34.633 | | 27.76 | | 35.20 | 0.101 | | 1457.4 | | | | | |
| STD | 250 | 1.04 | | 34.633 | | 27.77 | | 34.37 | 0.118 | | 1457.6 | | | | | |
| STD | 294 | 1.07 | | 34.673 | | 27.80 | | 31.67 | 0.133 | | 1458.6 | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1482 | 1 | 1 | 8 | 12 | 71 | 11.4 | 6426.2S | 14424.3E | 537 | 3461 | -1.4 | | 265 | 273 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CCM1 | 1228 | 0.83 | | 34.709 | | 27.84 | | | | | 495 | | | 114 | | |
| CCM1 | 1819 | 0.41 | | 34.691 | | 27.86 | | | | | 506 | | | 128 | | |
| CCM1 | 2435 | 0.07 | | 34.683 | | 27.87 | | | | | 535 | | | 134 | | |
| CCM1 | 3076 | -0.19 | | 34.686 | | 27.88 | | | | | 536Q | | | 118 | | |
| CCM1 | 3477 | -0.49 | | 34.678 | | 27.89 | | | | | 593 | | | 104 | | |
| STD | 0 | -0.60 | | 33.756 | | 27.15 | | 92.28 | 0.000 | 1444.8 | | | | | | |
| STD | 10 | -0.60 | | 33.755 | | 27.15 | | 92.27 | 0.009 | 1445.0 | | | | | | |
| STD | 20 | -0.61 | | 33.764 | | 27.16 | | 91.58 | 0.018 | 1445.1 | | | | | | |
| STD | 30 | -0.86 | | 33.776 | | 27.18 | | 89.63 | 0.027 | 1444.1 | | | | | | |
| STD | 50 | -1.46 | | 34.028 | | 27.40 | | 68.32 | 0.043 | 1442.0 | | | | | | |
| STD | 75 | -0.47 | | 34.422 | | 27.68 | | 41.74 | 0.057 | 1447.6 | | | | | | |
| STD | 100 | 1.05 | | 34.556 | | 27.71 | | 39.88 | 0.067 | 1455.1 | | | | | | |
| STD | 125 | 1.42 | | 34.591 | | 27.71 | | 39.82 | 0.077 | 1457.2 | | | | | | |
| STD | 150 | 1.75 | | 34.638 | | 27.72 | | 38.79 | 0.087 | 1459.1 | | | | | | |
| STD | 200 | 1.05 | | 34.613 | | 27.75 | | 35.83 | 0.106 | 1456.8 | | | | | | |
| STD | 250 | 1.30 | | 34.656 | | 27.77 | | 34.45 | 0.123 | 1458.8 | | | | | | |
| STD | 300 | 1.27 | | 34.674 | | 27.79 | | 33.01 | 0.140 | 1459.5 | | | | | | |
| STD | 400 | 1.49 | | 34.766 | | 27.85 | | 28.04 | 0.171 | 1462.3 | | | | | | |
| STD | 500 | 1.51 | | 34.715 | | 27.80 | | 32.38 | 0.201 | 1464.0 | | | | | | |
| STD | 600 | 1.45 | | 34.731 | | 27.82 | | 31.07 | 0.233 | 1465.4 | | | | | | |
| STD | 700 | 1.38 | | 34.734 | | 27.83 | | 30.51 | 0.263 | 1466.8 | | | | | | |
| STD | 800 | 1.24 | | 34.728 | | 27.83 | | 30.16 | 0.294 | 1467.8 | | | | | | |
| STD | 900 | 1.17 | | 34.726 | | 27.84 | | 29.91 | 0.324 | 1469.2 | | | | | | |
| STD | 1000 | 1.06 | | 34.722 | | 27.84 | | 29.48 | 0.353 | 1470.3 | | | | | | |
| STD | 1100 | 0.99 | | 34.714 | | 27.84 | | 29.66 | 0.383 | 1471.7 | | | | | | |
| STD | 1200 | 0.87 | | 34.701 | | 27.83 | | 29.73 | 0.413 | 1472.8 | | | | | | |
| STD | 1300 | 0.78 | | 34.704 | | 27.84 | | 28.84 | 0.442 | 1474.1 | | | | | | |
| STD | 1400 | 0.72 | | 34.701 | | 27.84 | | 28.63 | 0.471 | 1475.5 | | | | | | |
| STD | 1500 | 0.64 | | 34.697 | | 27.85 | | 28.35 | 0.499 | 1476.9 | | | | | | |
| STD | 1750 | 0.45 | | 34.686 | | 27.85 | | 27.39 | 0.569 | 1480.2 | | | | | | |
| STD | 2000 | 0.25 | | 34.677 | | 27.85 | | 26.25 | 0.636 | 1483.6 | | | | | | |
| STD | 2250 | 0.14 | | 34.676 | | 27.86 | | 25.14 | 0.700 | 1487.4 | | | | | | |
| STD | 2500 | 0.04 | | 34.675 | | 27.86 | | 24.07 | 0.762 | 1491.3 | | | | | | |
| STD | 2750 | -0.08 | | 34.674 | | 27.87 | | 22.67 | 0.820 | 1495.1 | | | | | | |
| STD | 3000 | -0.19 | | 34.675 | | 27.87 | | 21.12 | 0.875 | 1498.9 | | | | | | |
| STD | 3250 | -0.26 | | 34.699 | | 27.90 | | 18.22 | 0.924 | 1503.0 | | | | | | |
| STD | 3483 | -0.48 | | 34.677 | | 27.89 | | 16.88 | 0.965 | 1506.1 | | | | | | |
| PING | 2 | | | | | | | | | | | | | | | |
| CCM2 | 3310 | -0.20 | | 34.717 | | 27.91 | | | | | 564 | | | 111 | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 5C | 1484 | 1 | 1 | 8 | 12 | 71 | 19.1 | 6424.5S | 14356.8E | 537 | 3474 | -1.5 | | 276 | 274 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| CBS1 | 1 | | | 33.901 | | | | | | | | | | 44 | | |

| | | | | | | | | | | | | | | | | |
|-----|-----|-------|--------|-------|-------|-------|--------|--|--|--|--|--|--|--|--|--|
| STD | 0 | -0.60 | 33.895 | 27.26 | 81.66 | 0.000 | 1445.0 | | | | | | | | | |
| STD | 10 | -0.60 | 33.895 | 27.26 | 81.65 | 0.008 | 1445.1 | | | | | | | | | |
| STD | 20 | -0.61 | 33.898 | 27.27 | 81.30 | 0.016 | 1445.3 | | | | | | | | | |
| STD | 30 | -0.85 | 33.896 | 27.27 | 80.54 | 0.024 | 1444.3 | | | | | | | | | |
| STD | 50 | -1.15 | 34.181 | 27.52 | 57.65 | 0.038 | 1443.7 | | | | | | | | | |
| STD | 75 | 1.42 | 34.575 | 27.70 | 40.92 | 0.051 | 1456.4 | | | | | | | | | |
| STD | 100 | 1.69 | 34.600 | 27.70 | 41.02 | 0.061 | 1458.0 | | | | | | | | | |
| STD | 125 | 1.71 | 34.633 | 27.72 | 38.78 | 0.071 | 1458.6 | | | | | | | | | |
| STD | 150 | 1.73 | 34.643 | 27.73 | 38.24 | 0.080 | 1459.1 | | | | | | | | | |
| STD | 200 | 1.75 | 34.665 | 27.75 | 36.91 | 0.099 | 1460.0 | | | | | | | | | |
| STD | 202 | 1.75 | 34.665 | 27.75 | 36.95 | 0.100 | 1460.0 | | | | | | | | | |

CBS2 1 33.901

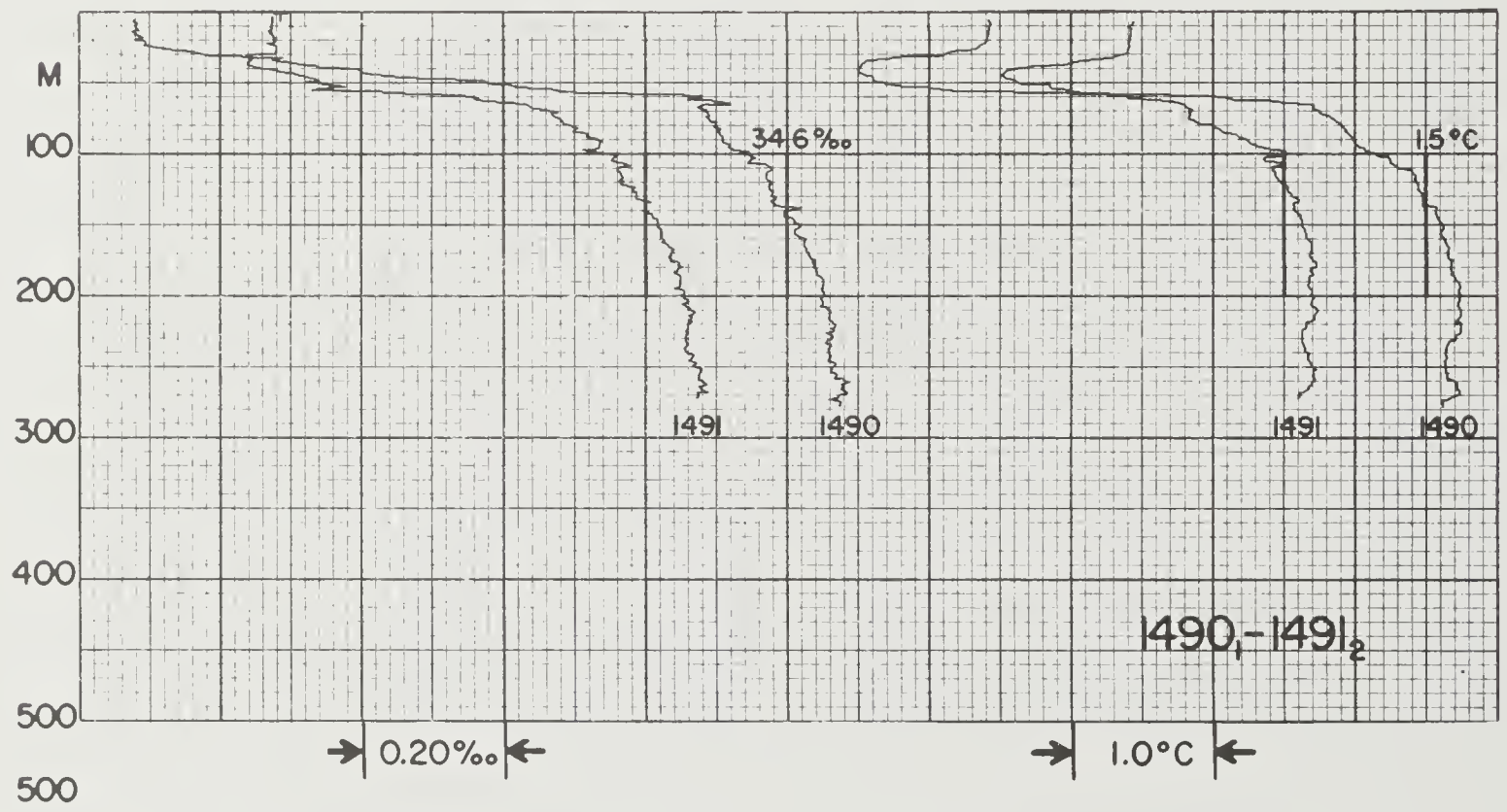
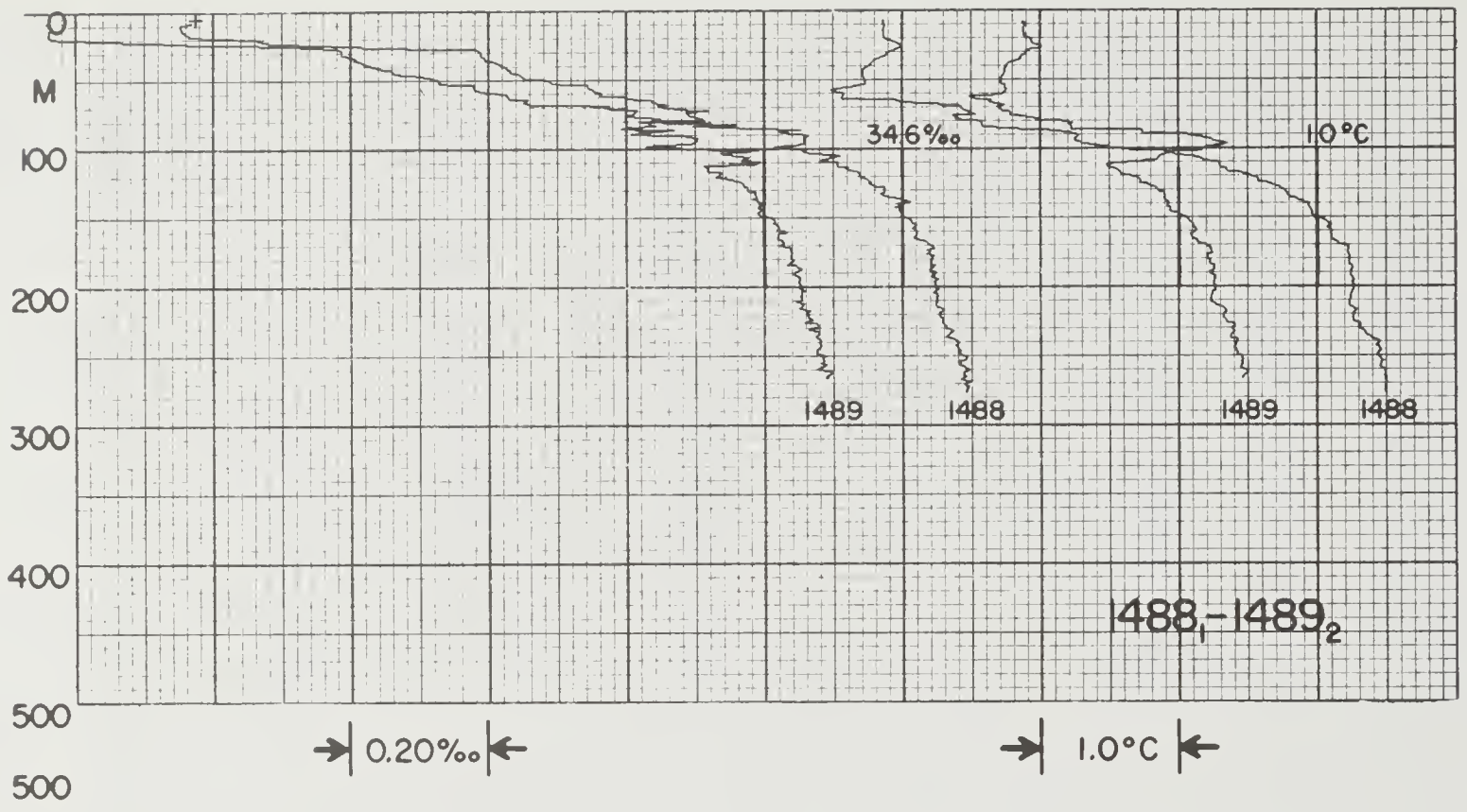
44

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 5C | 1486 | 1 | 1 | 8 | 12 | 71 | 20.6 | 6425.1S | 14415.5E | 537 | 3481 | -1.5 | | 275 | 273 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| CBS1 | 1 | | | 33.875 | | | | | | | | | | 46 | | |

| | | | | | | | | | | | | | | | | |
|-----|-----|-------|--------|-------|-------|-------|--------|--|--|--|--|--|--|--|--|--|
| STD | 0 | -0.57 | 33.860 | 27.23 | 84.42 | 0.000 | 1445.1 | | | | | | | | | |
| STD | 10 | -0.57 | 33.862 | 27.24 | 84.29 | 0.008 | 1445.2 | | | | | | | | | |
| STD | 20 | -0.58 | 33.864 | 27.24 | 84.05 | 0.017 | 1445.4 | | | | | | | | | |
| STD | 30 | -0.60 | 33.873 | 27.25 | 83.20 | 0.025 | 1445.4 | | | | | | | | | |
| STD | 50 | -1.36 | 34.113 | 27.47 | 62.08 | 0.040 | 1442.6 | | | | | | | | | |
| STD | 75 | 0.62 | 34.473 | 27.67 | 43.55 | 0.053 | 1452.6 | | | | | | | | | |
| STD | 100 | 1.46 | 34.576 | 27.69 | 41.23 | 0.064 | 1457.0 | | | | | | | | | |
| STD | 125 | 1.66 | 34.618 | 27.71 | 39.52 | 0.074 | 1458.3 | | | | | | | | | |
| STD | 150 | 1.65 | 34.636 | 27.73 | 38.19 | 0.083 | 1458.7 | | | | | | | | | |
| STD | 171 | 1.76 | 34.659 | 27.74 | 37.36 | 0.091 | 1459.5 | | | | | | | | | |

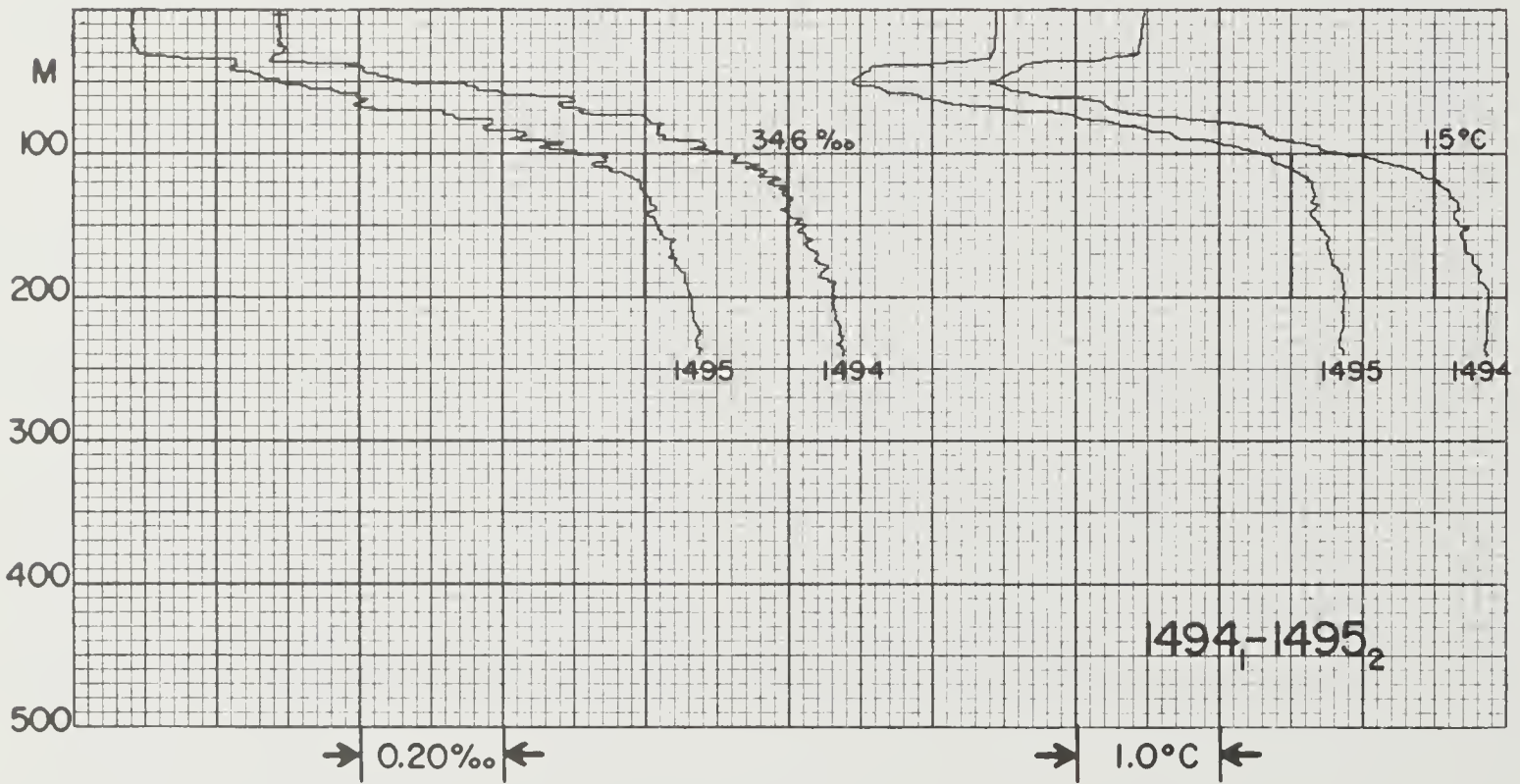
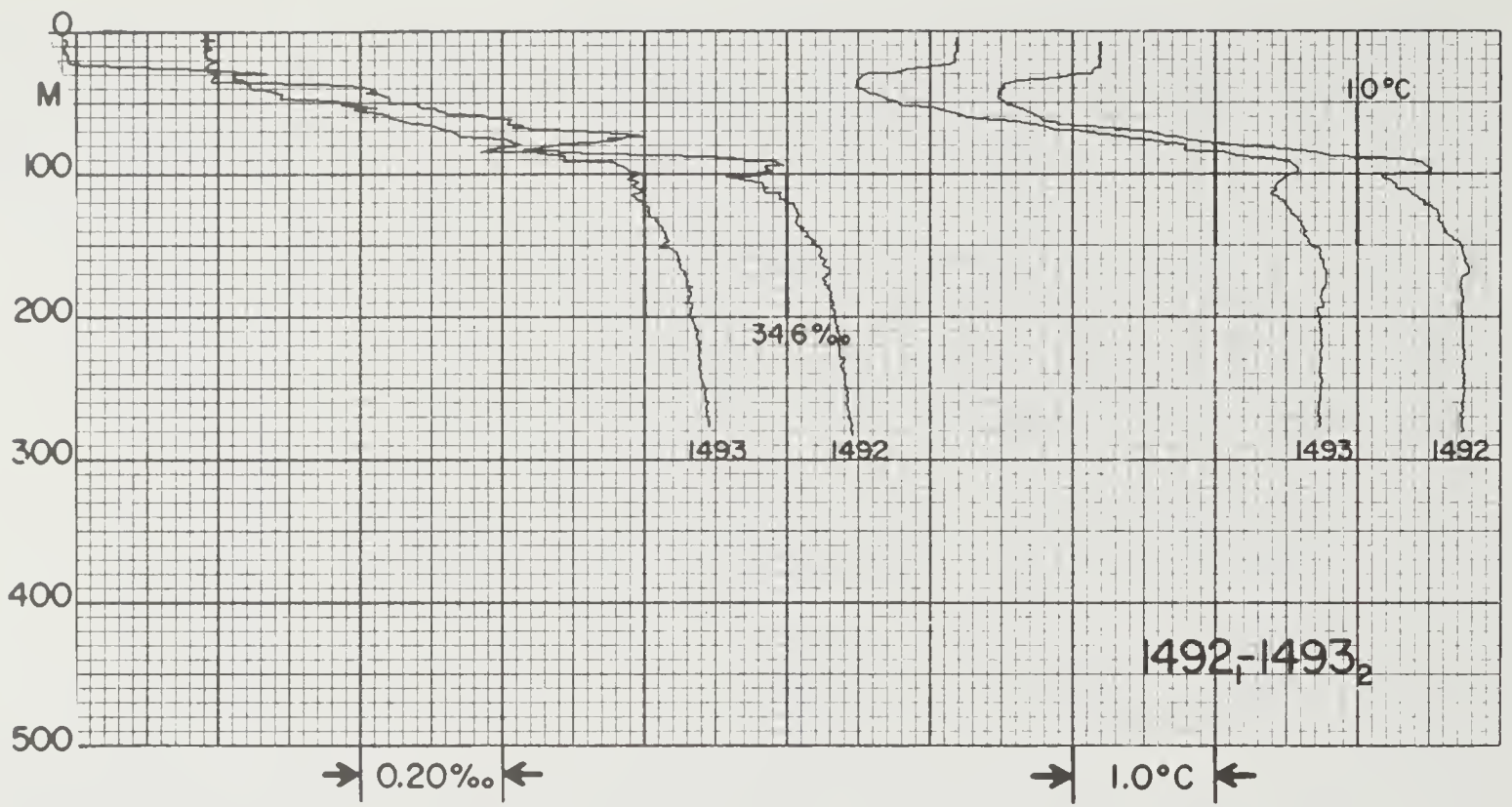
CBS2 1 33.874

46



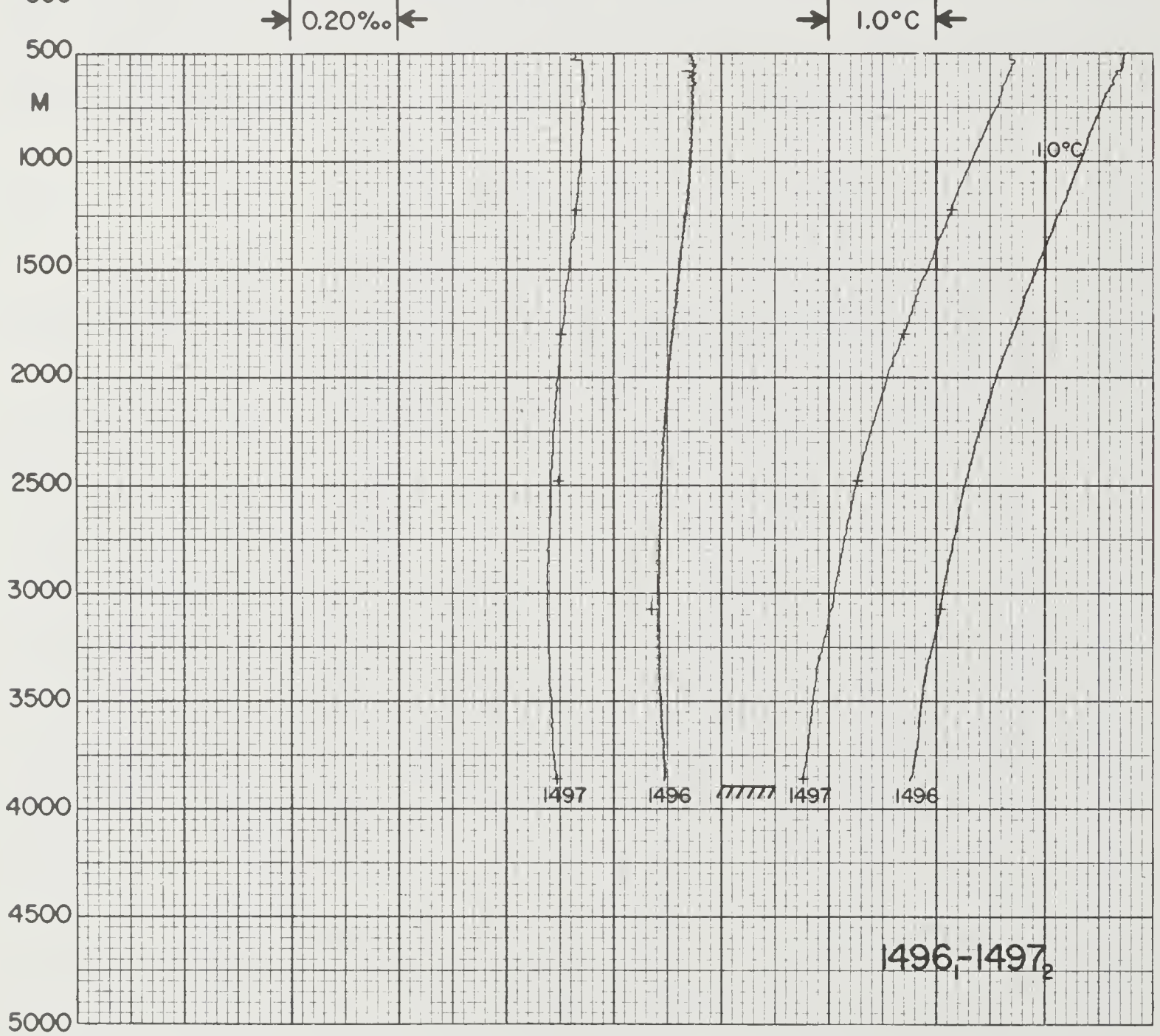
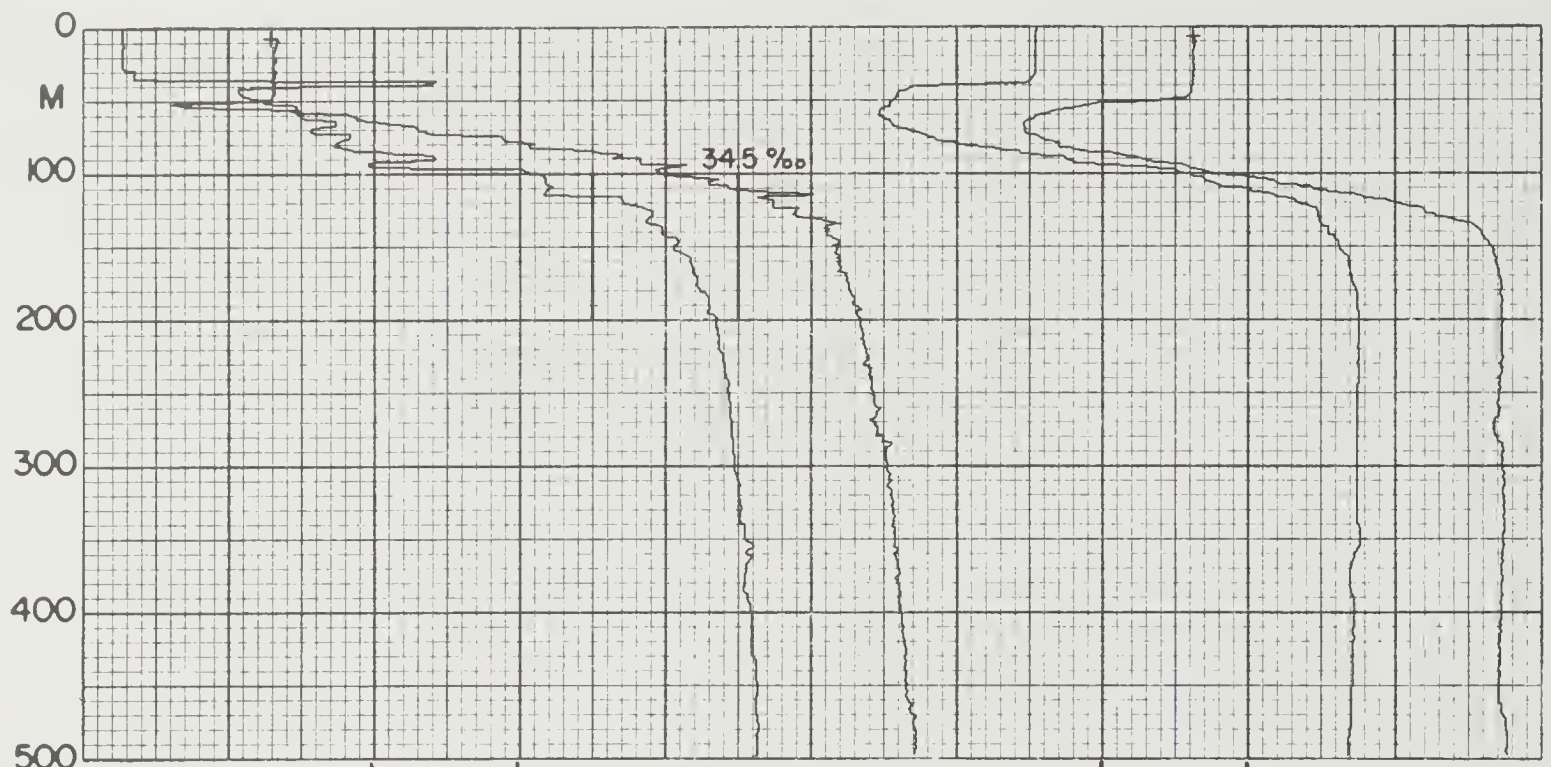
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|-------|------------------------|-------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1488 | 1 | 1 | 8 | 12 | 71 | 22.3 | 6425.9S | 14433.4E | 537 | 3476 | -0.4 | | 265 | 274 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| OBS1 | 5 | | | 33.575 | | | | | | | | | | 37 | | |
| STD | 0 | -1.13 | | 33.568 | 27.02 | 104.87 | 0.000 | 1442.1 | | | | | | | | |
| STD | 10 | -1.12 | | 33.553 | 27.01 | 105.99 | 0.011 | 1442.2 | | | | | | | | |
| STD | 20 | -1.07 | | 33.658 | 27.09 | 98.01 | 0.021 | 1442.8 | | | | | | | | |
| STD | 30 | -1.11 | | 33.989 | 27.36 | 72.50 | 0.029 | 1443.2 | | | | | | | | |
| STD | 50 | -1.29 | | 34.080 | 27.44 | 64.81 | 0.043 | 1442.9 | | | | | | | | |
| STD | 75 | -1.20 | | 34.289 | 27.61 | 49.01 | 0.057 | 1444.0 | | | | | | | | |
| STD | 100 | 0.17 | | 34.447 | 27.67 | 42.95 | 0.069 | 1451.0 | | | | | | | | |
| STD | 125 | 0.64 | | 34.553 | 27.73 | 37.65 | 0.079 | 1453.7 | | | | | | | | |
| STD | 150 | 1.00 | | 34.608 | 27.75 | 35.76 | 0.088 | 1455.8 | | | | | | | | |
| STD | 200 | 1.26 | | 34.648 | 27.77 | 34.67 | 0.106 | 1457.8 | | | | | | | | |
| STD | 250 | 1.44 | | 34.688 | 27.79 | 33.04 | 0.123 | 1459.5 | | | | | | | | |
| STD | 276 | 1.50 | | 34.692 | 27.79 | 33.28 | 0.131 | 1460.2 | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|-------|------------------------|-------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1490 | 1 | 1 | 9 | 12 | 71 | 2.2 | 6414.0S | 14435.5E | 537 | 3585 | -1.1 | | 265 | 273 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| OBS1 | 1 | | | 33.885 | | | | | | | | | | 44 | | |
| STD | 0 | -0.56 | | 33.871 | 27.24 | 83.65 | 0.000 | 1445.2 | | | | | | | | |
| STD | 10 | -0.59 | | 33.885 | 27.26 | 82.43 | 0.008 | 1445.2 | | | | | | | | |
| STD | 20 | -0.59 | | 33.875 | 27.25 | 83.20 | 0.017 | 1445.4 | | | | | | | | |
| STD | 30 | -0.65 | | 33.838 | 27.22 | 85.72 | 0.025 | 1445.2 | | | | | | | | |
| STD | 50 | -1.36 | | 34.179 | 27.52 | 57.03 | 0.039 | 1442.7 | | | | | | | | |
| STD | 75 | 0.84 | | 34.487 | 27.67 | 43.74 | 0.052 | 1453.6 | | | | | | | | |
| STD | 100 | 1.15 | | 34.542 | 27.69 | 41.63 | 0.063 | 1455.5 | | | | | | | | |
| STD | 125 | 1.45 | | 34.576 | 27.70 | 41.21 | 0.073 | 1457.3 | | | | | | | | |
| STD | 150 | 1.62 | | 34.617 | 27.72 | 39.43 | 0.083 | 1458.6 | | | | | | | | |
| STD | 200 | 1.75 | | 34.653 | 27.74 | 37.80 | 0.102 | 1460.0 | | | | | | | | |
| STD | 250 | 1.64 | | 34.663 | 27.75 | 36.43 | 0.121 | 1460.3 | | | | | | | | |
| STD | 278 | 1.62 | | 34.674 | 27.76 | 35.62 | 0.131 | 1460.8 | | | | | | | | |

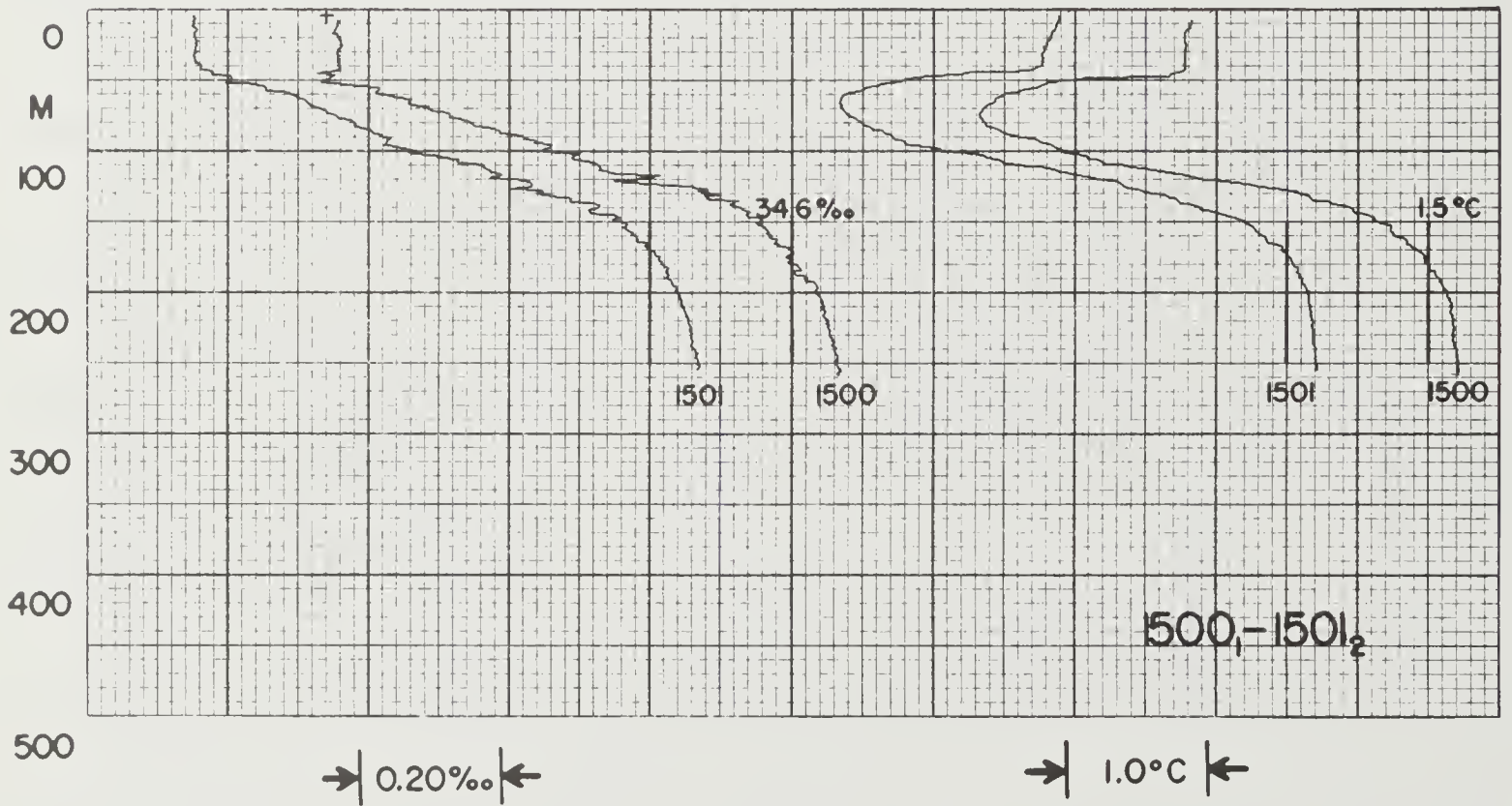
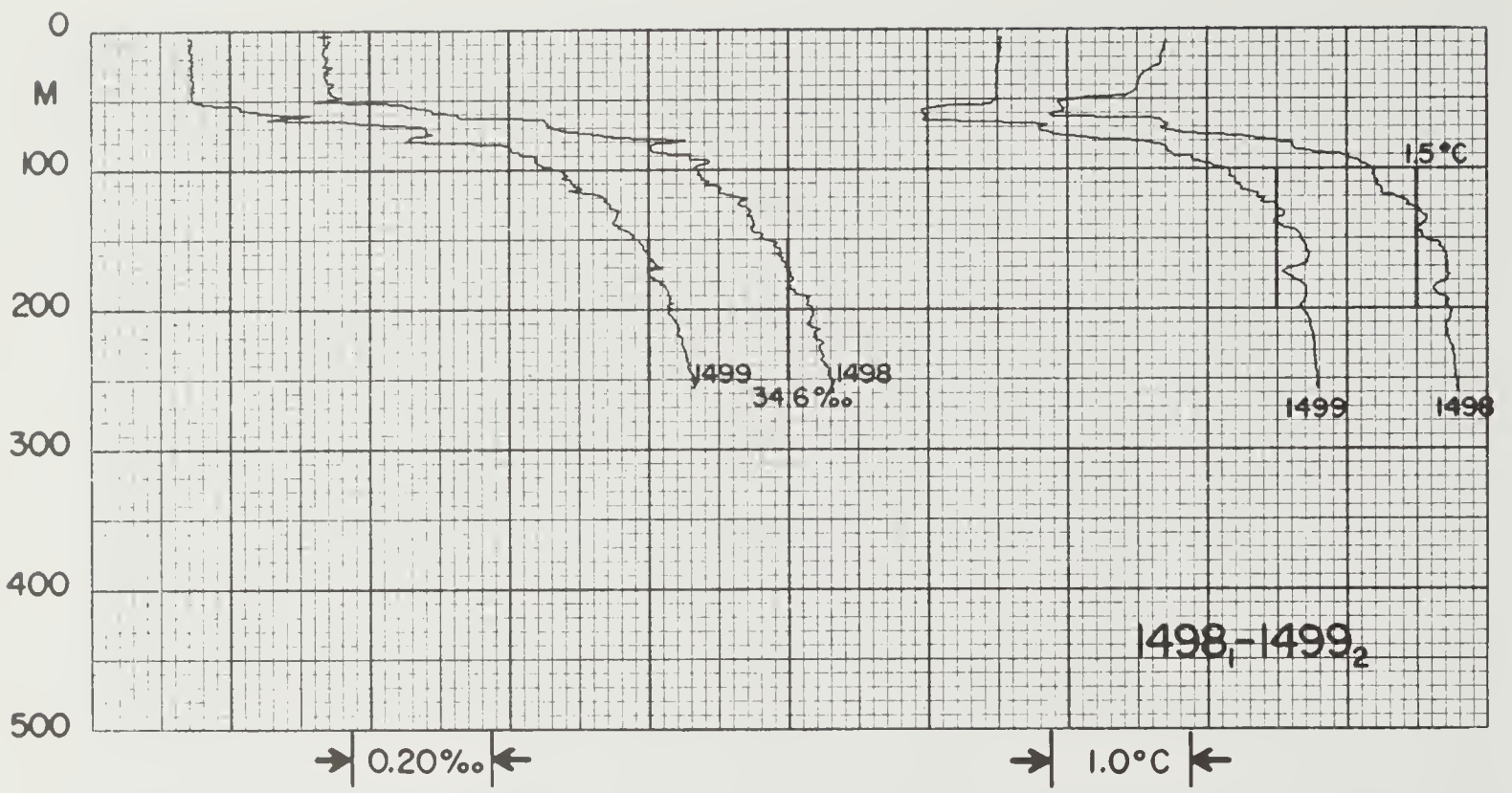


| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1492 | 1 | 1 | 9 | 12 | 71 | 4.8 | 6358.5S | 14437.7E | 537 | 3747 | -0.7 | | 264 | 263 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| OBS1 | 5 | | | 33.783 | | | | | | | | | | | | |
| STD | 0 | -0.82 | | 33.785 | | 27.18 | | 89.28 | 0.000 | 1443.8 | | | | | | |
| STD | 10 | -0.82 | | 33.785 | | 27.18 | | 89.24 | 0.009 | 1444.0 | | | | | | |
| STD | 20 | -0.83 | | 33.796 | | 27.19 | | 88.33 | 0.018 | 1444.1 | | | | | | |
| STD | 30 | -0.87 | | 33.794 | | 27.19 | | 88.26 | 0.027 | 1444.1 | | | | | | |
| STD | 50 | -1.50 | | 34.074 | | 27.44 | | 64.71 | 0.042 | 1441.9 | | | | | | |
| STD | 75 | -0.32 | | 34.362 | | 27.63 | | 46.99 | 0.056 | 1448.2 | | | | | | |
| STD | 100 | 1.47 | | 34.553 | | 27.68 | | 42.97 | 0.067 | 1457.0 | | | | | | |
| STD | 125 | 1.51 | | 34.611 | | 27.72 | | 38.96 | 0.077 | 1457.6 | | | | | | |
| STD | 150 | 1.70 | | 34.640 | | 27.73 | | 38.24 | 0.087 | 1458.9 | | | | | | |
| STD | 200 | 1.72 | | 34.663 | | 27.75 | | 36.87 | 0.106 | 1459.9 | | | | | | |
| STD | 250 | 1.73 | | 34.681 | | 27.76 | | 35.82 | 0.124 | 1460.8 | | | | | | |
| STD | 282 | 1.72 | | 34.690 | | 27.77 | | 35.20 | 0.135 | 1461.3 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1494 | 1 | 3 | 9 | 12 | 71 | 7.7 | 6346.1S | 14440.9E | 537 | 3808 | -0.6 | | 275 | 263 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| OBS1 | 5 | | | 33.887 | | | | | | | | | | | | |
| STD | 0 | -0.53 | | 33.887 | | 27.25 | | 82.59 | 0.000 | 1445.3 | | | | | | |
| STD | 10 | -0.54 | | 33.886 | | 27.25 | | 82.55 | 0.008 | 1445.4 | | | | | | |
| STD | 20 | -0.55 | | 33.888 | | 27.26 | | 82.30 | 0.016 | 1445.5 | | | | | | |
| STD | 30 | -0.57 | | 33.891 | | 27.26 | | 81.97 | 0.025 | 1445.6 | | | | | | |
| STD | 50 | -1.54 | | 34.050 | | 27.42 | | 66.41 | 0.040 | 1441.6 | | | | | | |
| STD | 75 | -0.55 | | 34.341 | | 27.62 | | 47.59 | 0.054 | 1447.1 | | | | | | |
| STD | 100 | 0.77 | | 34.501 | | 27.68 | | 42.32 | 0.065 | 1453.7 | | | | | | |
| STD | 125 | 1.55 | | 34.595 | | 27.70 | | 40.45 | 0.075 | 1457.8 | | | | | | |
| STD | 150 | 1.66 | | 34.608 | | 27.71 | | 40.35 | 0.085 | 1458.7 | | | | | | |
| STD | 200 | 1.87 | | 34.660 | | 27.73 | | 38.25 | 0.105 | 1460.5 | | | | | | |
| STD | 243 | 1.86 | | 34.675 | | 27.74 | | 37.28 | 0.121 | 1461.2 | | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1496 | 1 | 1 | 9 | 12 | 71 | 10.4 | 6329.3S | 14443.7E | 537 | 3880 | 0.0 | | 284 | 263 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| CCM1 | 9 | -0.39 | | 33.856 | | 27.22 | | | | | 776 | | | | | 38 |
| CBS1 | 3092 | 0.04 | | 34.671Q | | 27.86Q | | | | | 517 | | | | | 133 |
| STD | 0 | -0.37 | | 33.863 | | 27.23 | | 85.01 | 0.000 | 1446.0 | | | | | | |
| STD | 10 | -0.38 | | 33.862 | | 27.23 | | 85.04 | 0.009 | 1446.1 | | | | | | |
| STD | 20 | -0.39 | | 33.860 | | 27.23 | | 85.15 | 0.017 | 1446.2 | | | | | | |
| STD | 30 | -0.39 | | 33.859 | | 27.23 | | 85.16 | 0.026 | 1446.4 | | | | | | |
| STD | 50 | -0.43 | | 33.858 | | 27.23 | | 85.01 | 0.043 | 1446.6 | | | | | | |
| STD | 75 | -1.54 | | 34.090 | | 27.45 | | 63.24 | 0.061 | 1442.1 | | | | | | |
| STD | 100 | -0.35 | | 34.386 | | 27.65 | | 45.01 | 0.075 | 1448.5 | | | | | | |
| STD | 125 | 1.13 | | 34.566 | | 27.71 | | 39.77 | 0.085 | 1455.9 | | | | | | |
| STD | 150 | 1.64 | | 34.633 | | 27.73 | | 38.39 | 0.095 | 1458.7 | | | | | | |
| STD | 200 | 1.73 | | 34.666 | | 27.75 | | 36.78 | 0.114 | 1459.9 | | | | | | |
| STD | 250 | 1.72 | | 34.682 | | 27.76 | | 35.61 | 0.132 | 1460.7 | | | | | | |
| STD | 300 | 1.74 | | 34.703 | | 27.78 | | 34.40 | 0.149 | 1461.7 | | | | | | |
| STD | 400 | 1.73 | | 34.723 | | 27.79 | | 33.27 | 0.183 | 1463.3 | | | | | | |
| STD | 500 | 1.77 | | 34.743 | | 27.81 | | 32.48 | 0.216 | 1465.2 | | | | | | |
| STD | 600 | 1.67 | | 34.744 | | 27.81 | | 31.92 | 0.248 | 1466.4 | | | | | | |
| STD | 700 | 1.57 | | 34.746 | | 27.82 | | 31.33 | 0.280 | 1467.6 | | | | | | |
| STD | 800 | 1.50 | | 34.746 | | 27.83 | | 31.01 | 0.311 | 1469.0 | | | | | | |
| STD | 900 | 1.41 | | 34.744 | | 27.83 | | 30.74 | 0.342 | 1470.3 | | | | | | |
| STD | 1000 | 1.35 | | 34.745 | | 27.84 | | 30.39 | 0.373 | 1471.7 | | | | | | |
| STD | 1100 | 1.27 | | 34.739 | | 27.84 | | 30.33 | 0.403 | 1473.0 | | | | | | |
| STD | 1200 | 1.19 | | 34.735 | | 27.84 | | 30.18 | 0.433 | 1474.3 | | | | | | |
| STD | 1300 | 1.10 | | 34.733 | | 27.85 | | 29.72 | 0.463 | 1475.6 | | | | | | |
| STD | 1400 | 1.02 | | 34.727 | | 27.85 | | 29.59 | 0.493 | 1476.9 | | | | | | |
| STD | 1500 | 0.94 | | 34.723 | | 27.85 | | 29.31 | 0.522 | 1478.2 | | | | | | |
| STD | 1750 | 0.76 | | 34.712 | | 27.85 | | 28.67 | 0.595 | 1481.7 | | | | | | |
| STD | 2000 | 0.57 | | 34.704 | | 27.86 | | 27.61 | 0.665 | 1485.1 | | | | | | |
| STD | 2250 | 0.41 | | 34.696 | | 27.86 | | 26.64 | 0.733 | 1488.7 | | | | | | |
| STD | 2500 | 0.27 | | 34.690 | | 27.86 | | 25.64 | 0.798 | 1492.3 | | | | | | |
| STD | 2750 | 0.17 | | 34.687 | | 27.87 | | 24.65 | 0.861 | 1496.2 | | | | | | |
| STD | 3000 | 0.07 | | 34.684 | | 27.87 | | 23.57 | 0.921 | 1500.1 | | | | | | |
| STD | 3250 | -0.03 | | 34.686 | | 27.87 | | 22.15 | 0.978 | 1504.0 | | | | | | |
| STD | 3500 | -0.13 | | 34.689 | | 27.88 | | 20.48 | 1.032 | 1508.0 | | | | | | |
| STD | 3750 | -0.18 | | 34.695 | | 27.89 | | 19.17 | 1.081 | 1512.2 | | | | | | |
| STD | 3888 | -0.24 | | 34.696 | | 27.89 | | 18.20 | 1.107 | 1514.4 | | | | | | |
| PING | 24 | | | | | | | | | | | | | | | |
| CCM2 | 1237 | 1.14 | | 34.730 | | 27.84 | | | | | 457 | | | | | 118 |
| CCM2 | 1809 | 0.70 | | 34.702 | | 27.85 | | | | | 469 | | | | | 120 |
| CCM2 | 2492 | 0.27 | | 34.697 | | 27.87 | | | | | 510 | | | | | 130 |
| CCM2 | 3874 | -0.23 | | 34.695 | | 27.89 | | | | | 536 | | | | | 117 |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1498 | 1 | 1 | 9 | 12 | 71 | 19.4 | 6317.6S | 14446.4E | 537 | 3939 | -0.5 | | 233 | 273 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{got/l}$ | NITR $10 \cdot \mu\text{got/l}$ | SILIC $\mu\text{got/l}$ | | |
| CBS1 | 5 | | | 33.933 | | | | | | | | | | 34 | | |

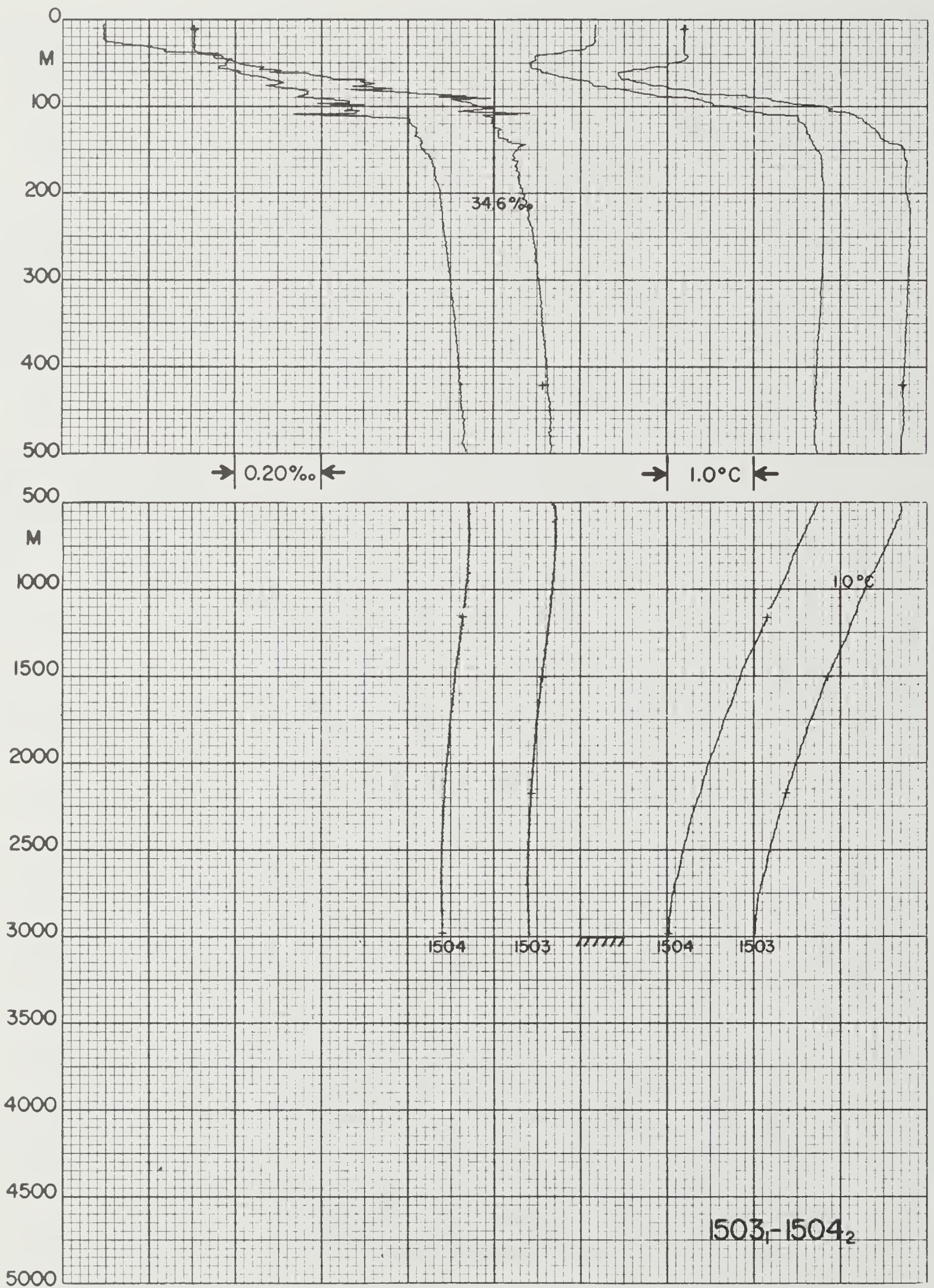
| | | | | | | | | | | | | | | | | |
|-----|-----|-------|--------|-------|-------|-------|--------|--|--|--|--|--|--|--|--|--|
| STD | 0 | -0.30 | 33.942 | 27.29 | 79.33 | 0.000 | 1446.5 | | | | | | | | | |
| STD | 10 | -0.31 | 33.940 | 27.29 | 79.39 | 0.008 | 1446.6 | | | | | | | | | |
| STD | 20 | -0.34 | 33.937 | 27.29 | 79.49 | 0.016 | 1446.6 | | | | | | | | | |
| STD | 30 | -0.43 | 33.934 | 27.29 | 79.26 | 0.024 | 1446.3 | | | | | | | | | |
| STD | 50 | -0.91 | 33.949 | 27.32 | 76.16 | 0.039 | 1444.5 | | | | | | | | | |
| STD | 75 | -0.19 | 34.305 | 27.58 | 51.98 | 0.055 | 1448.7 | | | | | | | | | |
| STD | 100 | 1.18 | 34.468 | 27.63 | 47.40 | 0.068 | 1455.5 | | | | | | | | | |
| STD | 125 | 1.43 | 34.526 | 27.66 | 44.79 | 0.079 | 1457.1 | | | | | | | | | |
| STD | 150 | 1.53 | 34.559 | 27.68 | 43.14 | 0.090 | 1458.1 | | | | | | | | | |
| STD | 200 | 1.72 | 34.634 | 27.72 | 39.06 | 0.111 | 1459.8 | | | | | | | | | |
| STD | 250 | 1.77 | 34.661 | 27.74 | 37.60 | 0.130 | 1460.9 | | | | | | | | | |
| STD | 260 | 1.78 | 34.665 | 27.74 | 37.47 | 0.134 | 1461.1 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1500 | 1 | 1 | 9 | 12 | 71 | 22.8 | 6314.3S | 14446.9E | 537 | 4001 | -0.1 | | 83 | 273 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{got/l}$ | NITR $10 \cdot \mu\text{got/l}$ | SILIC $\mu\text{got/l}$ | | |
| CBS1 | 5 | | | 33.939 | | | | | | | | | | 28 | | |

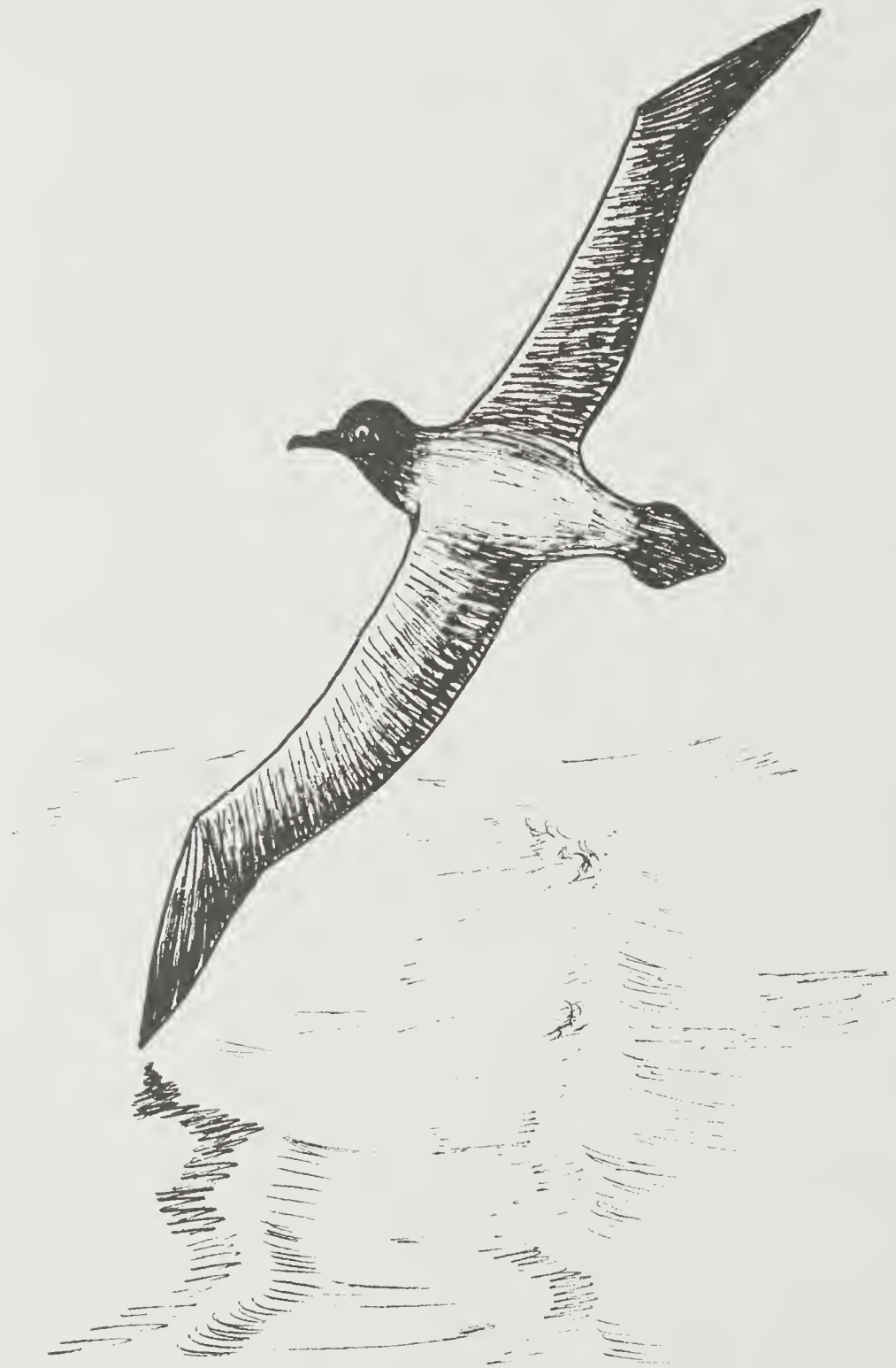
| | | | | | | | | | | | | | | | | |
|-----|-----|-------|--------|-------|-------|-------|--------|--|--|--|--|--|--|--|--|--|
| STD | 0 | -0.18 | 33.954 | 27.29 | 78.93 | 0.000 | 1447.0 | | | | | | | | | |
| STD | 10 | -0.18 | 33.955 | 27.29 | 78.79 | 0.008 | 1447.2 | | | | | | | | | |
| STD | 20 | -0.23 | 33.956 | 27.30 | 78.55 | 0.016 | 1447.1 | | | | | | | | | |
| STD | 30 | -0.23 | 33.955 | 27.30 | 78.51 | 0.024 | 1447.3 | | | | | | | | | |
| STD | 50 | -0.97 | 33.940 | 27.31 | 76.70 | 0.039 | 1444.2 | | | | | | | | | |
| STD | 75 | -1.68 | 34.112 | 27.48 | 61.12 | 0.056 | 1441.5 | | | | | | | | | |
| STD | 100 | -1.11 | 34.247 | 27.57 | 52.48 | 0.071 | 1444.8 | | | | | | | | | |
| STD | 125 | 0.25 | 34.423 | 27.65 | 45.25 | 0.083 | 1451.7 | | | | | | | | | |
| STD | 150 | 1.13 | 34.554 | 27.70 | 40.67 | 0.094 | 1456.2 | | | | | | | | | |
| STD | 200 | 1.63 | 34.632 | 27.73 | 38.48 | 0.113 | 1459.4 | | | | | | | | | |
| STD | 250 | 1.70 | 34.661 | 27.74 | 37.11 | 0.132 | 1460.6 | | | | | | | | | |
| STD | 259 | 1.71 | 34.666 | 27.75 | 36.86 | 0.136 | 1460.8 | | | | | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|----|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|-----|
| EL 50 | 1502 | 0 | | 11 | 12 | 71 | 8.8 | 6253.8S | 15035.9E | 536 | 3675 | 0.9 | | 24 | 23 | 22 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | |
| OBS | 1 | -0.18 | 34.058 | | | 27.38 | | | 1447.2 | | | | 32 | | | |
| OBS | 24 | -0.23 | 34.056 | | | 27.38 | | | 1447.3 | 850 | | | 32 | | | |
| OBS | 49 | -0.34 | 34.055 | | | 27.38 | | | 1447.2 | 851 | | | 35 | | | |
| OBS | 68 | -0.82 | 34.145 | | | 27.47 | | | 1445.4 | 765 | | | 60 | | | |
| OBS | 88 | -0.30 | 34.283 | | | 27.56 | | | 1448.4 | 652 | | | 60 | | | |
| OBS | 108 | 0.67 | 34.407 | | | 27.61 | | | 1453.3 | 567 | | | 69 | | | |
| OBS | 148 | 1.71 | 34.574 | | | 27.67 | | | 1458.8 | 443 | | | 83 | | | |
| OBS | 196 | 1.85 | 34.622 | | | 27.70 | | | 1460.3 | 428 | | | 84 | | | |
| OBS | 294 | 1.88 | 34.670 | | | 27.74 | | | 1462.1 | 387 | | | 86 | | | |
| OBS | 392 | 1.87 | 34.697 | | | 27.76 | | | 1463.8 | 458 | | | 88 | | | |
| OBS | 589 | 1.73 | 34.721 | | | 27.79 | | | 1466.4 | 464 | | | 89 | | | |
| OBS | 787 | 1.66 | 34.739 | | | 27.81 | | | 1469.5 | 473 | | | 92 | | | |
| OBS | 1110 | 1.38 | 34.736 | | | 27.83 | | | 1473.6 | 490 | | | 106 | | | |
| OBS | 1412 | 1.12 | 34.726 | | | 27.84 | | | 1477.5 | 488 | | | 111 | | | |
| OBS | 1712 | 0.88 | 34.713 | | | 27.84 | | | 1481.5 | 516Q | | | 120 | | | |
| OBS | 2013 | 0.64 | 34.701 | | | 27.85 | | | 1485.6 | 495 | | | 126 | | | |
| OBS | 2314 | 0.44 | 34.693 | | | 27.85 | | | 1489.8 | 523 | | | 131 | | | |
| OBS | 2617 | 0.30 | 34.686 | | | 27.86 | | | 1494.4 | 516 | | | 137 | | | |
| OBS | 2921 | 0.16 | 34.681 | | | 27.86 | | | 1499.1 | 531 | | | 139 | | | |
| OBS | 3225 | 0.04 | 34.676 | | | 27.86 | | | 1503.9 | 539 | | | 136 | | | |
| OBS | 3527 | -0.07 | 34.680 | | | 27.87 | | | 1508.7 | 545 | | | 128 | | | |
| OBS | 3603 | -0.06 | 34.689 | | | 27.88 | | | 1510.1 | 555 | | | 127 | | | |
| PING | 42 | | | | | | | | | | | | | | | |
| ISL | 0 | -0.18 | 34.058 | | | 27.38 | 70.98 | 0.000 | 1447.2 | | | | | | | |
| ISL | 10 | -0.19 | 34.057 | | | 27.38 | 71.00 | 0.007 | 1447.3 | | | | | | | |
| ISL | 20 | -0.22 | 34.056 | | | 27.38 | 70.92 | 0.014 | 1447.3 | | | | | | | |
| ISL | 30 | -0.25 | 34.056 | | | 27.38 | 70.76 | 0.021 | 1447.3 | | | | | | | |
| ISL | 50 | -0.36 | 34.058 | | | 27.39 | 70.06 | 0.035 | 1447.2 | | | | | | | |
| ISL | 75 | -0.74 | 34.195 | | | 27.51 | 57.97 | 0.051 | 1446.0 | | | | | | | |
| ISL | 100 | 0.30 | 34.360 | | | 27.60 | 50.28 | 0.065 | 1451.4 | | | | | | | |
| ISL | 125 | 1.24 | 34.492 | | | 27.64 | 46.12 | 0.077 | 1456.3 | | | | | | | |
| ISL | 150 | 1.74 | 34.579 | | | 27.68 | 43.15 | 0.088 | 1459.0 | | | | | | | |
| ISL | 200 | 1.86 | 34.625 | | | 27.70 | 40.81 | 0.109 | 1460.4 | | | | | | | |
| ISL | 250 | 1.88 | 34.654 | | | 27.73 | 38.96 | 0.129 | 1461.4 | | | | | | | |
| ISL | 300 | 1.88 | 34.672 | | | 27.74 | 37.86 | 0.148 | 1462.2 | | | | | | | |
| ISL | 400 | 1.87 | 34.699 | | | 27.76 | 36.19 | 0.185 | 1463.9 | | | | | | | |
| ISL | 500 | 1.79 | 34.712 | | | 27.78 | 34.95 | 0.221 | 1465.2 | | | | | | | |
| ISL | 600 | 1.72 | 34.722 | | | 27.79 | 34.03 | 0.255 | 1466.6 | | | | | | | |
| ISL | 700 | 1.69 | 34.733 | | | 27.80 | 33.35 | 0.289 | 1468.1 | | | | | | | |
| ISL | 800 | 1.65 | 34.740 | | | 27.81 | 32.84 | 0.322 | 1469.6 | | | | | | | |
| ISL | 900 | 1.56 | 34.741 | | | 27.82 | 32.31 | 0.355 | 1470.9 | | | | | | | |
| ISL | 1000 | 1.48 | 34.738 | | | 27.82 | 32.04 | 0.387 | 1472.2 | | | | | | | |
| ISL | 1100 | 1.39 | 34.736 | | | 27.83 | 31.72 | 0.419 | 1473.5 | | | | | | | |
| ISL | 1200 | 1.30 | 34.734 | | | 27.83 | 31.36 | 0.450 | 1474.8 | | | | | | | |
| ISL | 1300 | 1.22 | 34.730 | | | 27.84 | 31.04 | 0.482 | 1476.1 | | | | | | | |
| ISL | 1400 | 1.13 | 34.726 | | | 27.84 | 30.72 | 0.512 | 1477.4 | | | | | | | |
| ISL | 1500 | 1.05 | 34.722 | | | 27.84 | 30.47 | 0.543 | 1478.7 | | | | | | | |
| ISL | 1750 | 0.85 | 34.711 | | | 27.84 | 29.70 | 0.618 | 1482.0 | | | | | | | |
| ISL | 2000 | 0.65 | 34.701 | | | 27.85 | 28.66 | 0.691 | 1485.4 | | | | | | | |
| ISL | 2250 | 0.48 | 34.695 | | | 27.85 | 27.50 | 0.761 | 1488.9 | | | | | | | |
| ISL | 2500 | 0.35 | 34.688 | | | 27.86 | 26.67 | 0.829 | 1492.7 | | | | | | | |
| ISL | 2750 | 0.24 | 34.684 | | | 27.86 | 25.73 | 0.895 | 1496.5 | | | | | | | |
| ISL | 3000 | 0.13 | 34.680 | | | 27.86 | 24.63 | 0.957 | 1500.3 | | | | | | | |
| ISL | 3250 | 0.03 | 34.676 | | | 27.86 | 23.60 | 1.018 | 1504.2 | | | | | | | |
| ISL | 3500 | -0.07 | 34.678 | | | 27.87 | 22.10 | 1.075 | 1508.2 | | | | | | | |

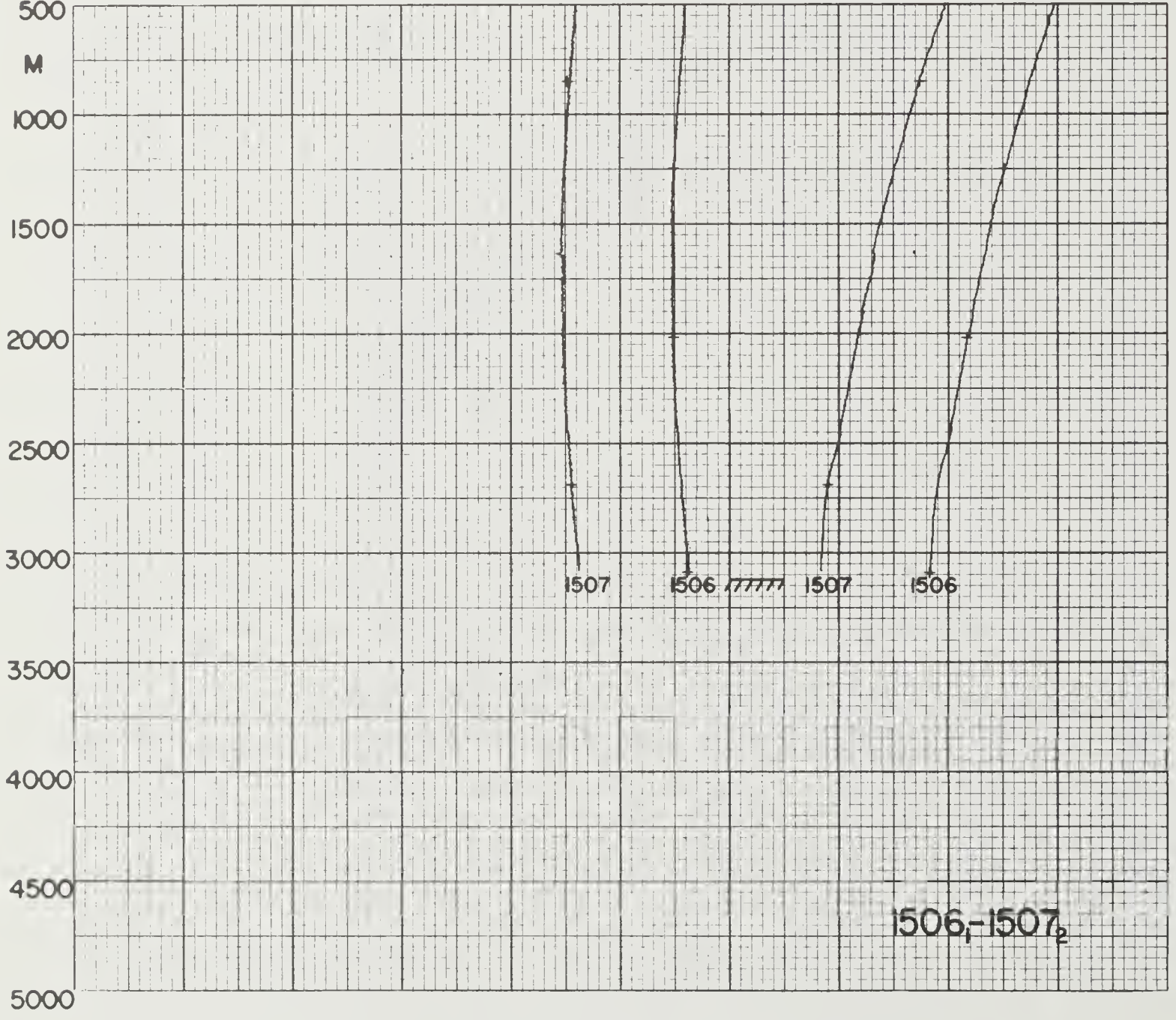
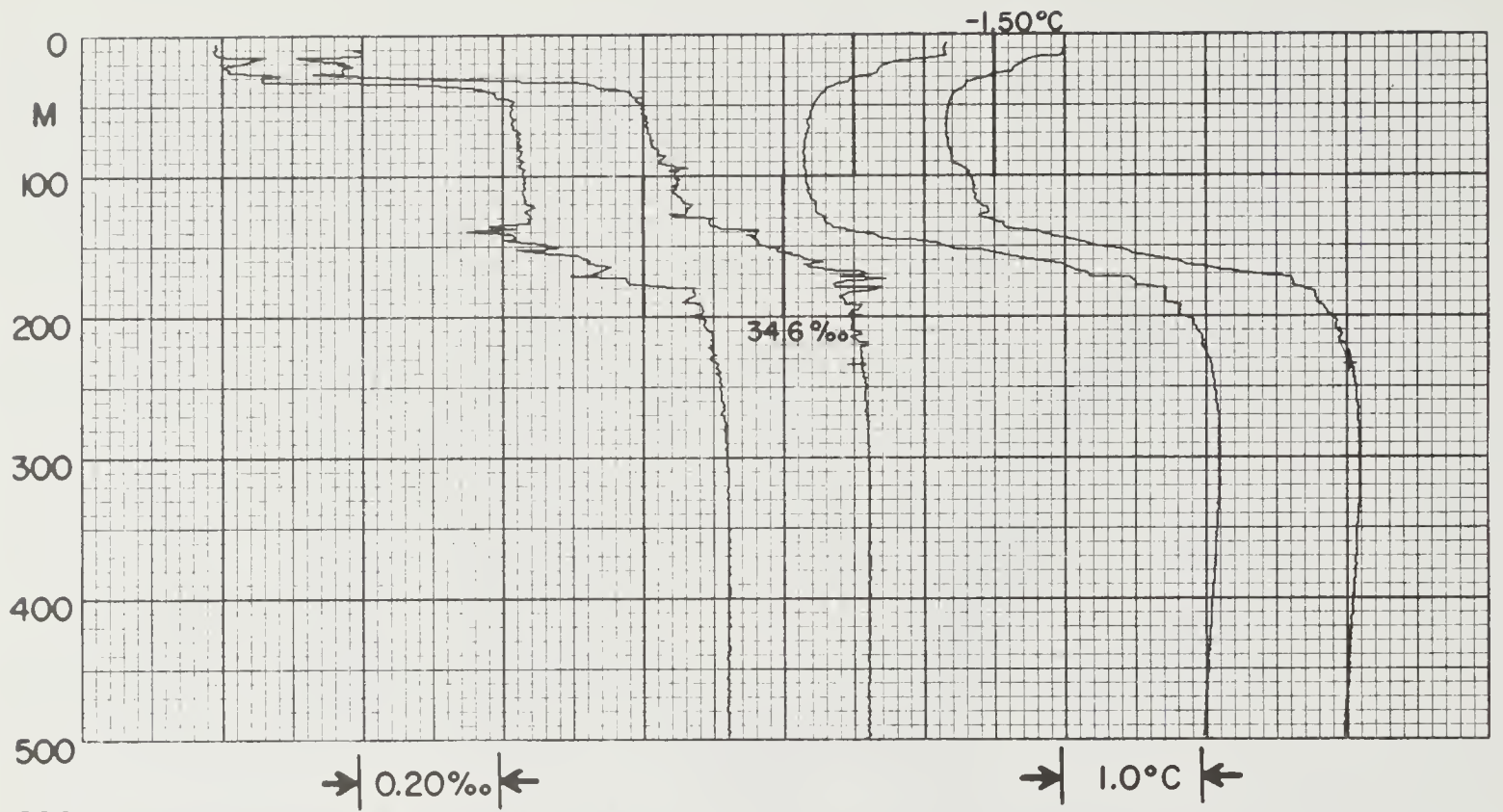


| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1503 | 1 | 1 | 12 | 12 | 71 | 5.7 | 6314.2S | 15455.3E | 536 | 2986 | 0.7 | | 85 | 73 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CCM1 | 12 | -0.82 | | 33.904 | | 27.28 | | | | | 827 | | | | | 49 |
| CCM1 | 422 | 1.72 | | 34.715 | | 27.79 | | | | | 454 | | | | | 90 |
| CCM1 | 1508 | 0.86 | | 34.713 | | 27.85 | | | | | 497 | | | | | 116 |
| CCM1 | 2178 | 0.38 | | 34.689 | | 27.86 | | | | | 513 | | | | | 130 |
| STD | 0 | -0.80 | | 33.902 | | 27.28 | | 80.35 | 0.000 | 1444.1 | | | | | | |
| STD | 10 | -0.80 | | 33.900 | | 27.28 | | 80.49 | 0.008 | 1444.2 | | | | | | |
| STD | 20 | -0.82 | | 33.904 | | 27.28 | | 80.06 | 0.016 | 1444.3 | | | | | | |
| STD | 30 | -0.82 | | 33.905 | | 27.28 | | 79.95 | 0.024 | 1444.5 | | | | | | |
| STD | 50 | -0.90 | | 34.002 | | 27.36 | | 72.12 | 0.039 | 1444.6 | | | | | | |
| STD | 75 | -1.24 | | 34.310 | | 27.62 | | 47.33 | 0.054 | 1443.8 | | | | | | |
| STD | 100 | 0.72 | | 34.558 | | 27.73 | | 37.68 | 0.065 | 1453.6 | | | | | | |
| STD | 125 | 1.36 | | 34.602 | | 27.72 | | 38.59 | 0.074 | 1456.9 | | | | | | |
| STD | 150 | 1.73 | | 34.653 | | 27.74 | | 37.47 | 0.084 | 1459.1 | | | | | | |
| STD | 200 | 1.75 | | 34.664 | | 27.74 | | 37.06 | 0.103 | 1460.0 | | | | | | |
| STD | 250 | 1.80 | | 34.691 | | 27.76 | | 35.60 | 0.121 | 1461.1 | | | | | | |
| STD | 300 | 1.78 | | 34.703 | | 27.77 | | 34.73 | 0.138 | 1461.9 | | | | | | |
| STD | 400 | 1.74 | | 34.723 | | 27.79 | | 33.35 | 0.172 | 1463.4 | | | | | | |
| STD | 500 | 1.71 | | 34.731 | | 27.80 | | 32.83 | 0.205 | 1464.9 | | | | | | |
| STD | 600 | 1.68 | | 34.745 | | 27.81 | | 31.95 | 0.238 | 1466.4 | | | | | | |
| STD | 700 | 1.58 | | 34.744 | | 27.82 | | 31.52 | 0.270 | 1467.6 | | | | | | |
| STD | 800 | 1.49 | | 34.739 | | 27.82 | | 31.44 | 0.301 | 1468.9 | | | | | | |
| STD | 900 | 1.40 | | 34.739 | | 27.83 | | 30.99 | 0.332 | 1470.2 | | | | | | |
| STD | 1000 | 1.29 | | 34.734 | | 27.83 | | 30.64 | 0.363 | 1471.4 | | | | | | |
| STD | 1100 | 1.20 | | 34.731 | | 27.84 | | 30.36 | 0.394 | 1472.7 | | | | | | |
| STD | 1200 | 1.13 | | 34.726 | | 27.84 | | 30.26 | 0.424 | 1474.0 | | | | | | |
| STD | 1300 | 1.06 | | 34.723 | | 27.84 | | 30.09 | 0.454 | 1475.4 | | | | | | |
| STD | 1400 | 0.97 | | 34.719 | | 27.84 | | 29.72 | 0.484 | 1476.7 | | | | | | |
| STD | 1500 | 0.86 | | 34.712 | | 27.84 | | 29.37 | 0.513 | 1477.9 | | | | | | |
| STD | 1750 | 0.67 | | 34.703 | | 27.85 | | 28.47 | 0.586 | 1481.2 | | | | | | |
| STD | 2000 | 0.50 | | 34.693 | | 27.85 | | 27.66 | 0.656 | 1484.7 | | | | | | |
| STD | 2250 | 0.34 | | 34.686 | | 27.85 | | 26.60 | 0.724 | 1488.3 | | | | | | |
| STD | 2500 | 0.20 | | 34.682 | | 27.86 | | 25.31 | 0.789 | 1492.0 | | | | | | |
| STD | 2750 | 0.08 | | 34.680 | | 27.86 | | 24.12 | 0.850 | 1495.8 | | | | | | |
| STD | 2999 | 0.02 | | 34.683 | | 27.87 | | 23.15 | 0.909 | 1499.9 | | | | | | |
| PING | 12 | | | | | | | | | | | | | | | |
| CCM2 | 1165 | 1.16 | | 34.728 | | 27.84 | | | | | 483 | | | | | 110 |
| CCM2 | 2992 | 0.02 | | 34.682 | | 27.87 | | | | | 541 | | | | | 130 |

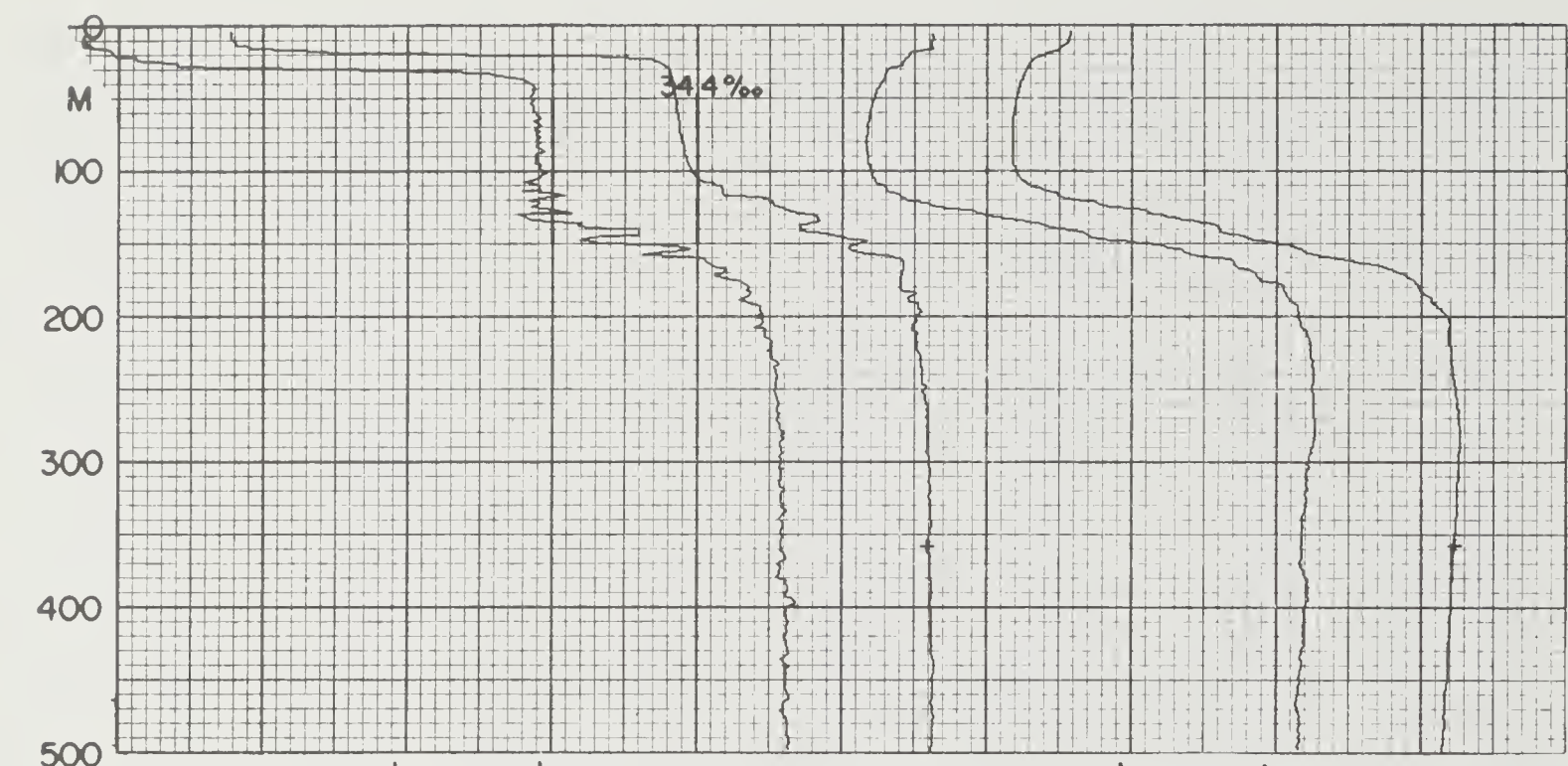


Phoebastria palpebrata.

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|----|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|-----|
| EL 50 | 1505 | 0 | | 13 | 12 | 71 | 3.7 | 6358.6S | 15959.1E | 536 | 2796 | 1.6 | | 334 | 42 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | |
| OBS | 1 | -0.68 | 33.803 | | | 27.19 | | | 1444.5 | 868 | | | 49 | | | |
| OBS | 21 | -0.94 | 33.799 | | | 27.20 | | | 1443.6 | 874 | | | 49 | | | |
| OBS | 43 | -1.68 | 34.126 | | | 27.49 | | | 1441.0 | 818 | | | 62 | | | |
| OBS | 53 | -1.73 | 34.173 | | | 27.53 | | | 1441.0 | 776 | | | 65 | | | |
| OBS | 64 | -1.64 | 34.216 | | | 27.56 | | | 1441.6 | 789 | | | 71 | | | |
| OBS | 86 | -1.26 | 34.390 | | | 27.69 | | | 1444.0 | 666 | | | 79 | | | |
| OBS | 106 | 0.00 | 34.529 | | | 27.75 | | | 1450.4 | 579 | | | 84 | | | |
| OBS | 132 | 0.26 | 34.570 | | | 27.77 | | | 1452.1 | 557 | | | 86 | | | |
| OBS | 157 | 1.20 | 34.670 | | | 27.79 | | | 1456.9 | | | | 91 | | | |
| OBS | 207 | 1.21 | 34.687 | | | 27.80 | | | 1457.8 | 502 | | | 92 | | | |
| OBS | 308 | 1.15 | 34.700 | | | 27.82 | | | 1459.2 | 498 | | | 95 | | | |
| OBS | 510 | 0.99 | 34.705 | | | 27.83 | | | 1461.8 | 5120 | | | 102 | | | |
| OBS | 766 | 0.90 | 34.712 | | | 27.84 | | | 1465.7 | 5100 | | | 109 | | | |
| OBS | 966 | 0.75 | 34.706 | | | 27.85 | | | 1468.3 | 493 | | | 113 | | | |
| OBS | 1169 | 0.62 | 34.703 | | | 27.85 | | | 1471.2 | 5260 | | | 118 | | | |
| OBS | 1369 | 0.48 | 34.695 | | | 27.85 | | | 1473.9 | 5290 | | | 122 | | | |
| OBS | 1671 | 0.29 | 34.689 | | | 27.86 | | | 1478.2 | 5370 | | | 126 | | | |
| OBS | 1973 | 0.16 | 34.688 | | | 27.87 | | | 1482.7 | 524 | | | 126 | | | |
| OBS | 2275 | 0.03 | 34.691 | | | 27.88 | | | 1487.3 | | | | 124 | | | |
| OBS | 2576 | -0.03 | 34.695 | | | 27.88 | | | 1492.2 | | | | 118 | | | |
| OBS | 2677 | -0.04 | 34.696 | | | 27.88 | | | 1493.9 | 552 | | | 118 | | | |
| OBS | 2729 | -0.03 | 34.698 | | | 27.88 | | | 1494.9 | 5640 | | | 118 | | | |
| OBS | 2779 | -0.04 | 34.696 | | | 27.88 | | | 1495.7 | 555 | | | 118 | | | |
| PING | 46 | | | | | | | | | | | | | | | |
| ISL | 0 | -0.68 | 33.803 | | | 27.19 | 88.39 | C.000 | 1444.5 | | | | | | | |
| ISL | 10 | -0.76 | 33.773 | | | 27.17 | 90.32 | C.009 | 1444.2 | | | | | | | |
| ISL | 20 | -0.92 | 33.792 | | | 27.19 | 88.26 | C.018 | 1443.7 | | | | | | | |
| ISL | 30 | -1.21 | 33.934 | | | 27.32 | 76.44 | C.026 | 1442.7 | | | | | | | |
| ISL | 50 | -1.73 | 34.160 | | | 27.52 | 57.47 | C.039 | 1440.9 | | | | | | | |
| ISL | 75 | -1.51 | 34.305 | | | 27.63 | 46.86 | C.053 | 1442.6 | | | | | | | |
| ISL | 100 | -0.31 | 34.495 | | | 27.74 | 36.82 | C.063 | 1448.8 | | | | | | | |
| ISL | 125 | 0.12 | 34.553 | | | 27.76 | 34.61 | C.072 | 1451.3 | | | | | | | |
| ISL | 150 | 0.99 | 34.646 | | | 27.78 | 32.78 | C.080 | 1455.7 | | | | | | | |
| ISL | 200 | 1.21 | 34.685 | | | 27.80 | 31.46 | C.096 | 1457.6 | | | | | | | |
| ISL | 250 | 1.19 | 34.696 | | | 27.81 | 30.64 | C.112 | 1458.4 | | | | | | | |
| ISL | 300 | 1.16 | 34.699 | | | 27.81 | 30.26 | C.127 | 1459.1 | | | | | | | |
| ISL | 400 | 1.08 | 34.702 | | | 27.82 | 29.75 | C.157 | 1460.4 | | | | | | | |
| ISL | 500 | 1.00 | 34.705 | | | 27.83 | 29.16 | C.187 | 1461.7 | | | | | | | |
| ISL | 600 | 0.95 | 34.707 | | | 27.83 | 28.84 | C.216 | 1463.1 | | | | | | | |
| ISL | 700 | 0.93 | 34.710 | | | 27.84 | 28.67 | C.244 | 1464.7 | | | | | | | |
| ISL | 800 | 0.88 | 34.711 | | | 27.84 | 28.31 | C.273 | 1466.1 | | | | | | | |
| ISL | 900 | 0.80 | 34.708 | | | 27.85 | 28.12 | C.301 | 1467.5 | | | | | | | |
| ISL | 1000 | 0.73 | 34.705 | | | 27.85 | 27.87 | C.329 | 1468.8 | | | | | | | |
| ISL | 1100 | 0.67 | 34.704 | | | 27.85 | 27.55 | C.357 | 1470.2 | | | | | | | |
| ISL | 1200 | 0.60 | 34.702 | | | 27.85 | 27.24 | C.384 | 1471.6 | | | | | | | |
| ISL | 1300 | 0.53 | 34.697 | | | 27.85 | 27.04 | C.411 | 1473.0 | | | | | | | |
| ISL | 1400 | 0.46 | 34.694 | | | 27.85 | 26.75 | C.438 | 1474.3 | | | | | | | |
| ISL | 1500 | 0.39 | 34.692 | | | 27.86 | 26.38 | C.465 | 1475.7 | | | | | | | |
| ISL | 1750 | 0.26 | 34.688 | | | 27.86 | 25.44 | C.530 | 1479.3 | | | | | | | |
| ISL | 2000 | 0.15 | 34.688 | | | 27.87 | 24.37 | C.592 | 1483.1 | | | | | | | |
| ISL | 2250 | 0.04 | 34.691 | | | 27.88 | 23.02 | C.651 | 1486.9 | | | | | | | |
| ISL | 2500 | -0.02 | 34.694 | | | 27.88 | 21.99 | C.707 | 1491.0 | | | | | | | |
| ISL | 2750 | -0.03 | 34.697 | | | 27.88 | 21.51 | C.762 | 1495.2 | | | | | | | |

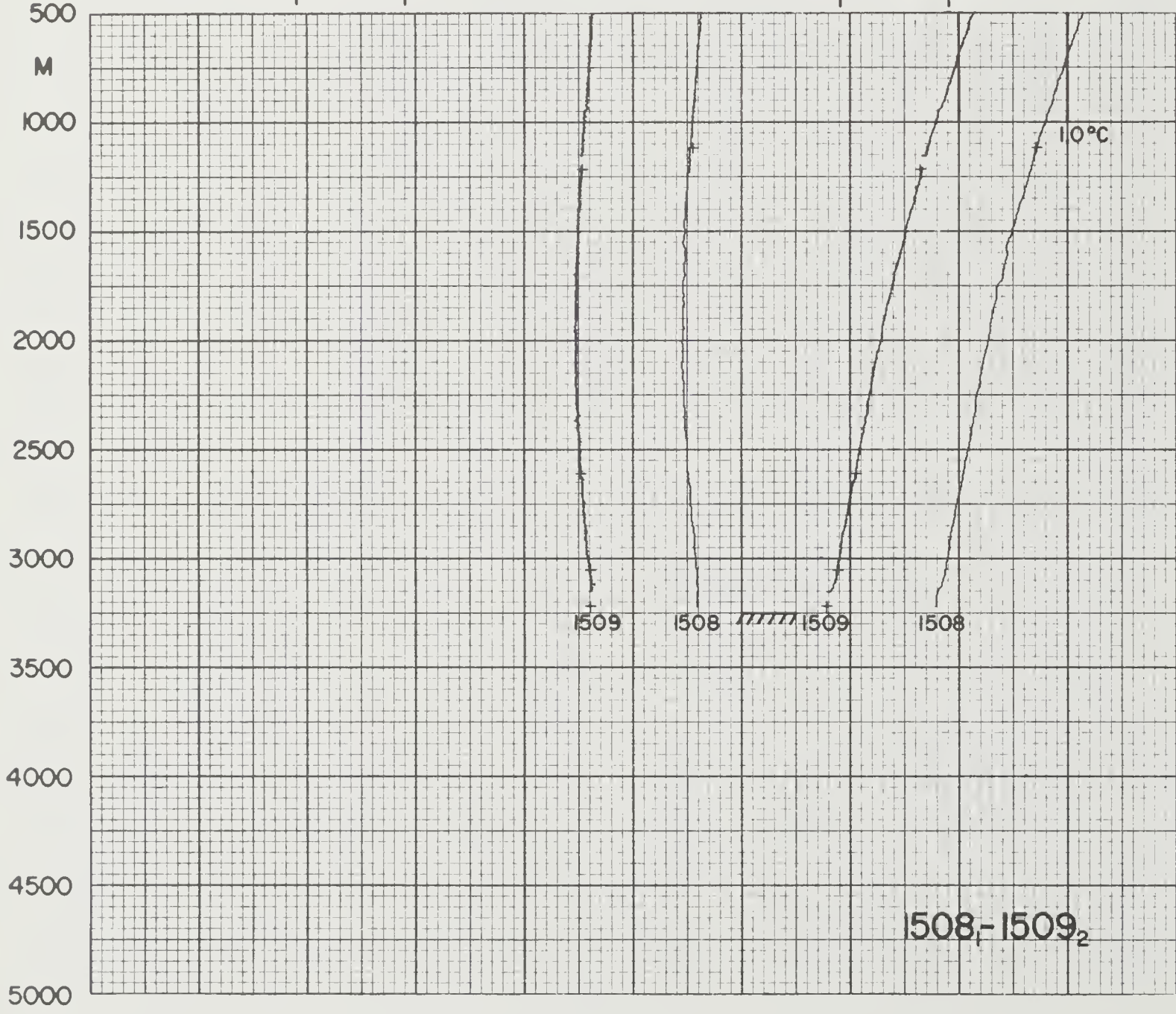


| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1506 | 1 | 1 | 14 | 12 | 71 | 1.5 | 6500.4S | 16455.7E | 535 | 3106 | 0.1 | | 312 | 0 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgot/l | NITR 10·µgot/l | SILIC µgot/l | | |
| CCM1 | 234 | 1.02 | | 34.701 | | 27.83 | | | | | | | | | | |
| CCM1 | 1250 | 0.52 | | 34.701 | | 27.86 | | | | | | | | | | |
| CCM1 | 2019 | 0.18 | | 34.701 | | 27.88 | | | | | | | | | | |
| CCM1 | 3094 | -0.16 | | 34.726 | | 27.91 | | | | | | | | | | |
| STD | 0 | -1.01 | | 33.988 | | 27.36 | | 73.04 | 0.000 | 1443.2 | | | | | | |
| STD | 10 | -1.01 | | 33.988 | | 27.36 | | 72.98 | 0.007 | 1443.4 | | | | | | |
| STD | 20 | -1.30 | | 33.971 | | 27.35 | | 73.36 | 0.015 | 1442.2 | | | | | | |
| STD | 30 | -1.54 | | 34.030 | | 27.41 | | 68.06 | 0.022 | 1441.3 | | | | | | |
| STD | 50 | -1.82 | | 34.399 | | 27.71 | | 38.93 | 0.032 | 1440.8 | | | | | | |
| STD | 75 | -1.83 | | 34.413 | | 27.72 | | 37.71 | 0.042 | 1441.2 | | | | | | |
| STD | 100 | -1.68 | | 34.444 | | 27.74 | | 35.60 | 0.051 | 1442.4 | | | | | | |
| STD | 125 | -1.55 | | 34.462 | | 27.76 | | 34.45 | 0.060 | 1443.4 | | | | | | |
| STD | 150 | -0.81 | | 34.570 | | 27.82 | | 28.82 | 0.068 | 1447.4 | | | | | | |
| STD | 200 | 0.90 | | 34.710 | | 27.84 | | 27.42 | 0.082 | 1456.3 | | | | | | |
| STD | 250 | 1.07 | | 34.718 | | 27.84 | | 28.09 | 0.096 | 1457.9 | | | | | | |
| STD | 300 | 1.09 | | 34.721 | | 27.84 | | 28.18 | 0.110 | 1458.8 | | | | | | |
| STD | 400 | 1.04 | | 34.723 | | 27.84 | | 27.93 | 0.138 | 1460.3 | | | | | | |
| STD | 500 | 0.98 | | 34.721 | | 27.84 | | 27.78 | 0.166 | 1461.6 | | | | | | |
| STD | 600 | 0.91 | | 34.719 | | 27.85 | | 27.66 | 0.193 | 1463.0 | | | | | | |
| STD | 700 | 0.85 | | 34.716 | | 27.85 | | 27.57 | 0.221 | 1464.4 | | | | | | |
| STD | 800 | 0.79 | | 34.713 | | 27.85 | | 27.47 | 0.249 | 1465.8 | | | | | | |
| STD | 900 | 0.72 | | 34.710 | | 27.85 | | 27.31 | 0.276 | 1467.2 | | | | | | |
| STD | 1000 | 0.67 | | 34.707 | | 27.85 | | 27.22 | 0.303 | 1468.6 | | | | | | |
| STD | 1100 | 0.61 | | 34.706 | | 27.86 | | 26.95 | 0.330 | 1470.0 | | | | | | |
| STD | 1200 | 0.56 | | 34.703 | | 27.86 | | 26.81 | 0.357 | 1471.5 | | | | | | |
| STD | 1300 | 0.50 | | 34.700 | | 27.86 | | 26.60 | 0.384 | 1472.9 | | | | | | |
| STD | 1400 | 0.44 | | 34.699 | | 27.86 | | 26.26 | 0.410 | 1474.3 | | | | | | |
| STD | 1500 | 0.40 | | 34.697 | | 27.86 | | 26.06 | 0.436 | 1475.8 | | | | | | |
| STD | 1750 | 0.29 | | 34.698 | | 27.87 | | 25.05 | 0.500 | 1479.6 | | | | | | |
| STD | 2000 | 0.20 | | 34.697 | | 27.87 | | 24.19 | 0.562 | 1483.4 | | | | | | |
| STD | 2250 | 0.10 | | 34.703 | | 27.88 | | 22.78 | 0.621 | 1487.3 | | | | | | |
| STD | 2500 | 0.01 | | 34.709 | | 27.89 | | 21.22 | 0.676 | 1491.2 | | | | | | |
| STD | 2750 | -0.10 | | 34.716 | | 27.90 | | 19.32 | 0.726 | 1495.0 | | | | | | |
| STD | 3000 | -0.14 | | 34.726 | | 27.91 | | 17.99 | 0.773 | 1499.2 | | | | | | |
| STD | 3110 | -0.15 | | 34.729 | | 27.92 | | 17.69 | 0.793 | 1501.1 | | | | | | |
| PING | 22 | | | | | | | | | | | | | | | |
| CCM2 | 853 | 0.75 | | 34.707 | | 27.85 | | | | | | | | | | |
| CCM2 | 2695 | -0.09 | | 34.714 | | 27.90 | | | | | | | | | | |

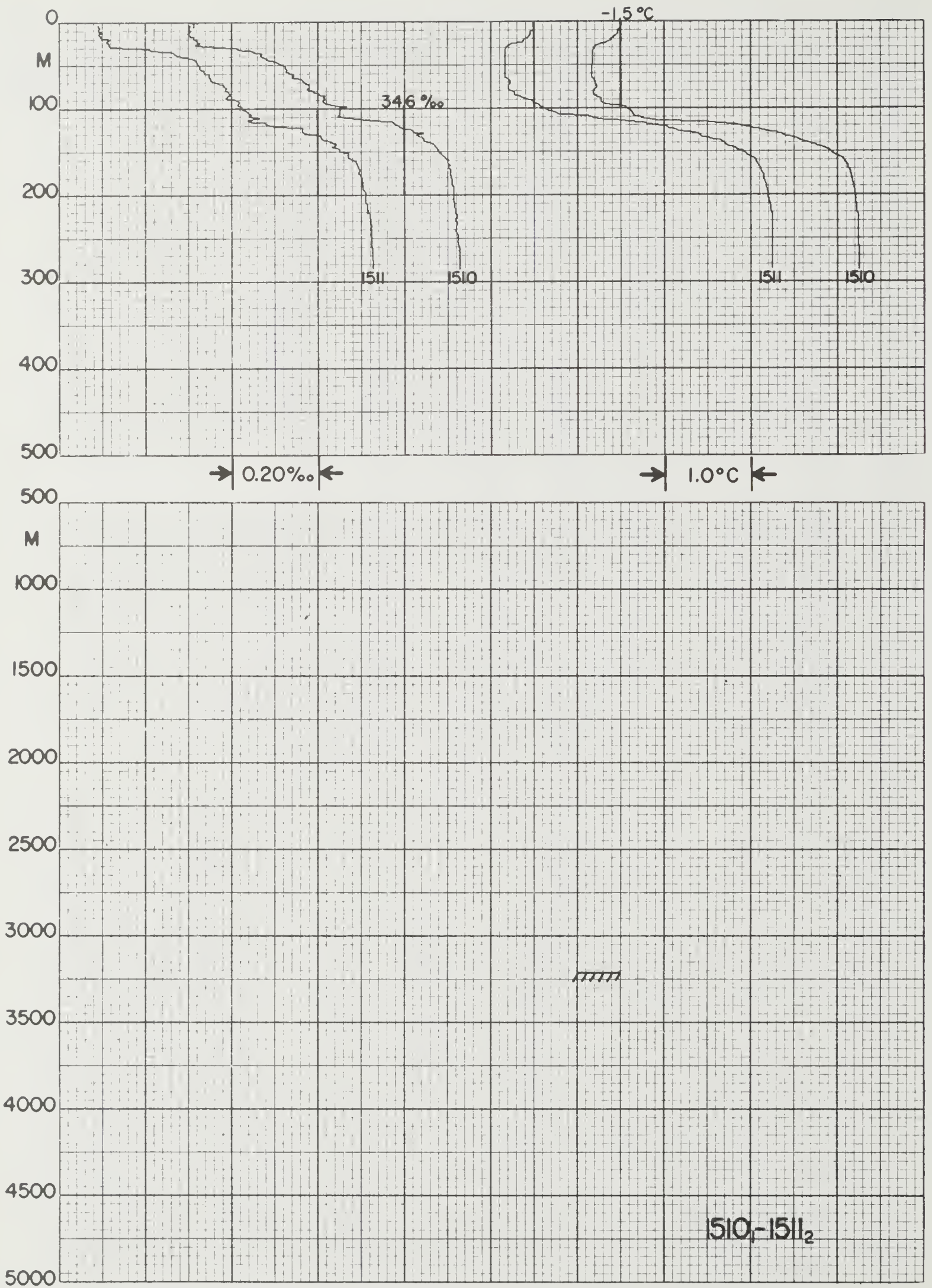


→ 0.20‰ ←

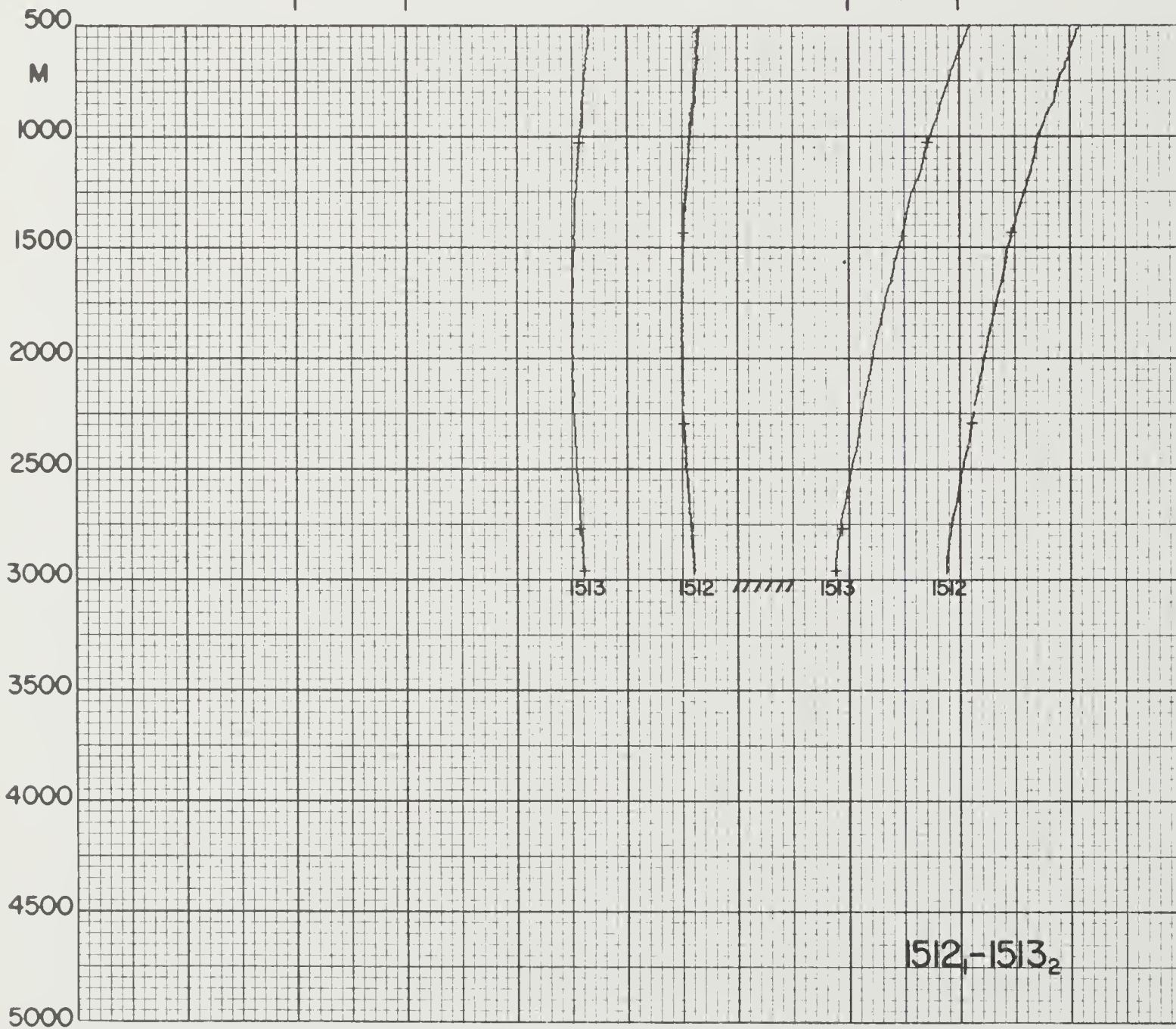
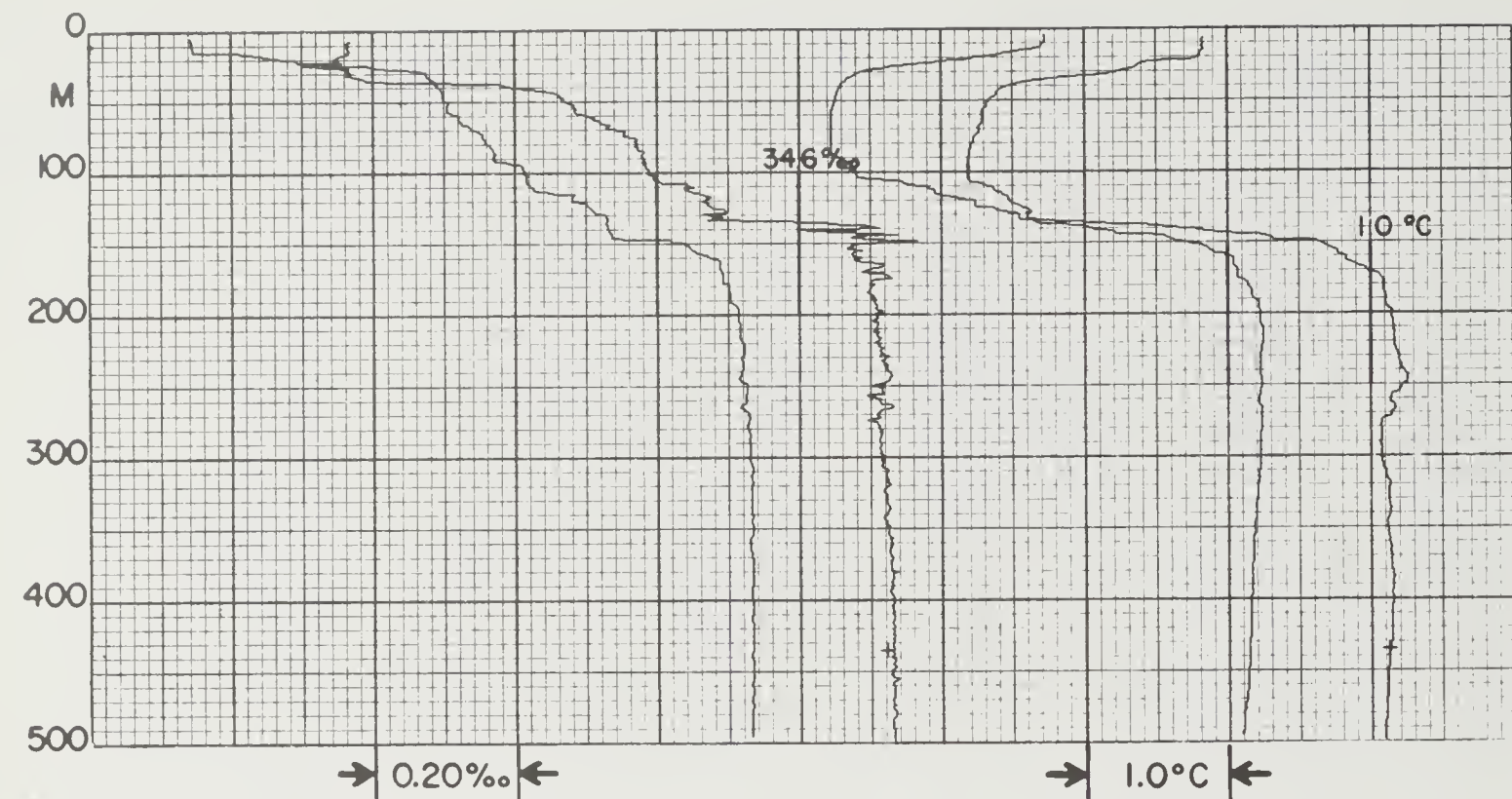
→ 1.0°C ←



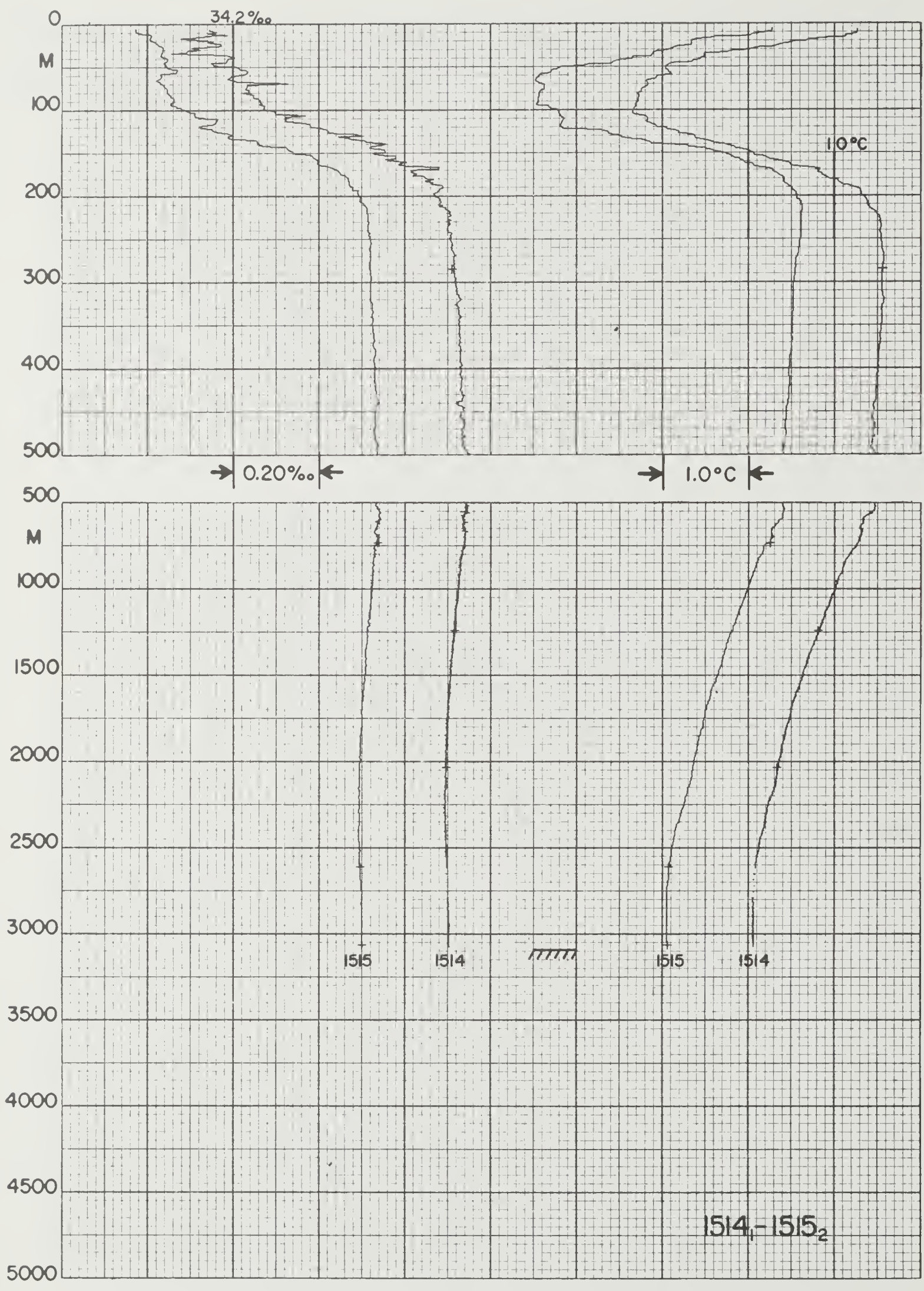
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1508 | 1 | 3 | 14 | 12 | 71 | 21.4 | 6558.4S | 17000.7E | 534 | 3240 | -0.1 | | 313 | 2 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CCM1 | 358 | 1.22 | | 34.718 | | 27.83 | | | | | 476 | | | | | |
| CCM1 | 1119 | 0.72 | | 34.712 | | 27.85 | | | | | 489 | | | | | |
| STD | 0 | -1.43 | | 33.753 | | 27.18 | | 89.78 | 0.000 | 1440.9 | | | | | | |
| STD | 10 | -1.44 | | 33.755 | | 27.18 | | 89.55 | 0.009 | 1441.0 | | | | | | |
| STD | 20 | -1.59 | | 34.072 | | 27.44 | | 64.80 | 0.017 | 1440.9 | | | | | | |
| STD | 30 | -1.73 | | 34.360 | | 27.68 | | 42.31 | 0.022 | 1440.9 | | | | | | |
| STD | 50 | -1.80 | | 34.368 | | 27.69 | | 41.33 | 0.030 | 1440.8 | | | | | | |
| STD | 75 | -1.83 | | 34.375 | | 27.69 | | 40.59 | 0.041 | 1441.1 | | | | | | |
| STD | 100 | -1.81 | | 34.390 | | 27.70 | | 39.34 | 0.051 | 1441.7 | | | | | | |
| STD | 125 | -1.15 | | 34.515 | | 27.79 | | 31.73 | 0.060 | 1445.4 | | | | | | |
| STD | 150 | -0.03 | | 34.622 | | 27.82 | | 28.59 | 0.067 | 1451.1 | | | | | | |
| STD | 200 | 1.17 | | 34.700 | | 27.81 | | 30.03 | 0.082 | 1457.5 | | | | | | |
| STD | 250 | 1.23 | | 34.714 | | 27.82 | | 29.60 | 0.097 | 1458.6 | | | | | | |
| STD | 300 | 1.25 | | 34.720 | | 27.82 | | 29.41 | 0.111 | 1459.5 | | | | | | |
| STD | 400 | 1.20 | | 34.724 | | 27.83 | | 29.04 | 0.141 | 1461.0 | | | | | | |
| STD | 500 | 1.14 | | 34.725 | | 27.84 | | 28.71 | 0.169 | 1462.3 | | | | | | |
| STD | 600 | 1.07 | | 34.723 | | 27.84 | | 28.56 | 0.198 | 1463.7 | | | | | | |
| STD | 700 | 1.00 | | 34.720 | | 27.84 | | 28.43 | 0.227 | 1465.0 | | | | | | |
| STD | 800 | 0.93 | | 34.718 | | 27.84 | | 28.31 | 0.255 | 1466.4 | | | | | | |
| STD | 900 | 0.87 | | 34.716 | | 27.85 | | 28.09 | 0.283 | 1467.8 | | | | | | |
| STD | 1000 | 0.80 | | 34.710 | | 27.85 | | 28.11 | 0.311 | 1469.2 | | | | | | |
| STD | 1100 | 0.73 | | 34.709 | | 27.85 | | 27.80 | 0.339 | 1470.5 | | | | | | |
| STD | 1200 | 0.68 | | 34.705 | | 27.85 | | 27.69 | 0.367 | 1472.0 | | | | | | |
| STD | 1300 | 0.62 | | 34.701 | | 27.85 | | 27.57 | 0.395 | 1473.4 | | | | | | |
| STD | 1400 | 0.55 | | 34.698 | | 27.85 | | 27.31 | 0.422 | 1474.8 | | | | | | |
| STD | 1500 | 0.49 | | 34.697 | | 27.86 | | 26.89 | 0.449 | 1476.2 | | | | | | |
| STD | 1750 | 0.36 | | 34.694 | | 27.86 | | 26.07 | 0.515 | 1479.9 | | | | | | |
| STD | 2000 | 0.28 | | 34.694 | | 27.87 | | 25.26 | 0.580 | 1483.8 | | | | | | |
| STD | 2250 | 0.17 | | 34.696 | | 27.87 | | 24.04 | 0.641 | 1487.6 | | | | | | |
| STD | 2500 | 0.09 | | 34.701 | | 27.88 | | 22.73 | 0.700 | 1491.5 | | | | | | |
| STD | 2750 | -0.01 | | 34.708 | | 27.89 | | 20.93 | 0.754 | 1495.4 | | | | | | |
| STD | 3000 | -0.09 | | 34.717 | | 27.90 | | 19.19 | 0.804 | 1499.4 | | | | | | |
| STD | 3231 | -0.21 | | 34.721 | | 27.91 | | 17.40 | 0.847 | 1503.0 | | | | | | |
| PING | 23 | | | | | | | | | | | | | | | |
| CCM2 | 1219 | 0.65 | | 34.708 | | 27.85 | | | | | 489 | | | | | |
| CCM2 | 2614 | 0.06 | | 34.706 | | 27.89 | | | | | 520 | | | | | |
| CCM2 | 3058 | -0.11 | | 34.724 | | 27.91 | | | | | 552 | | | | | |
| CCM2 | 3226 | -0.21 | | 34.723 | | 27.91 | | | | | 476Q | | | | | |



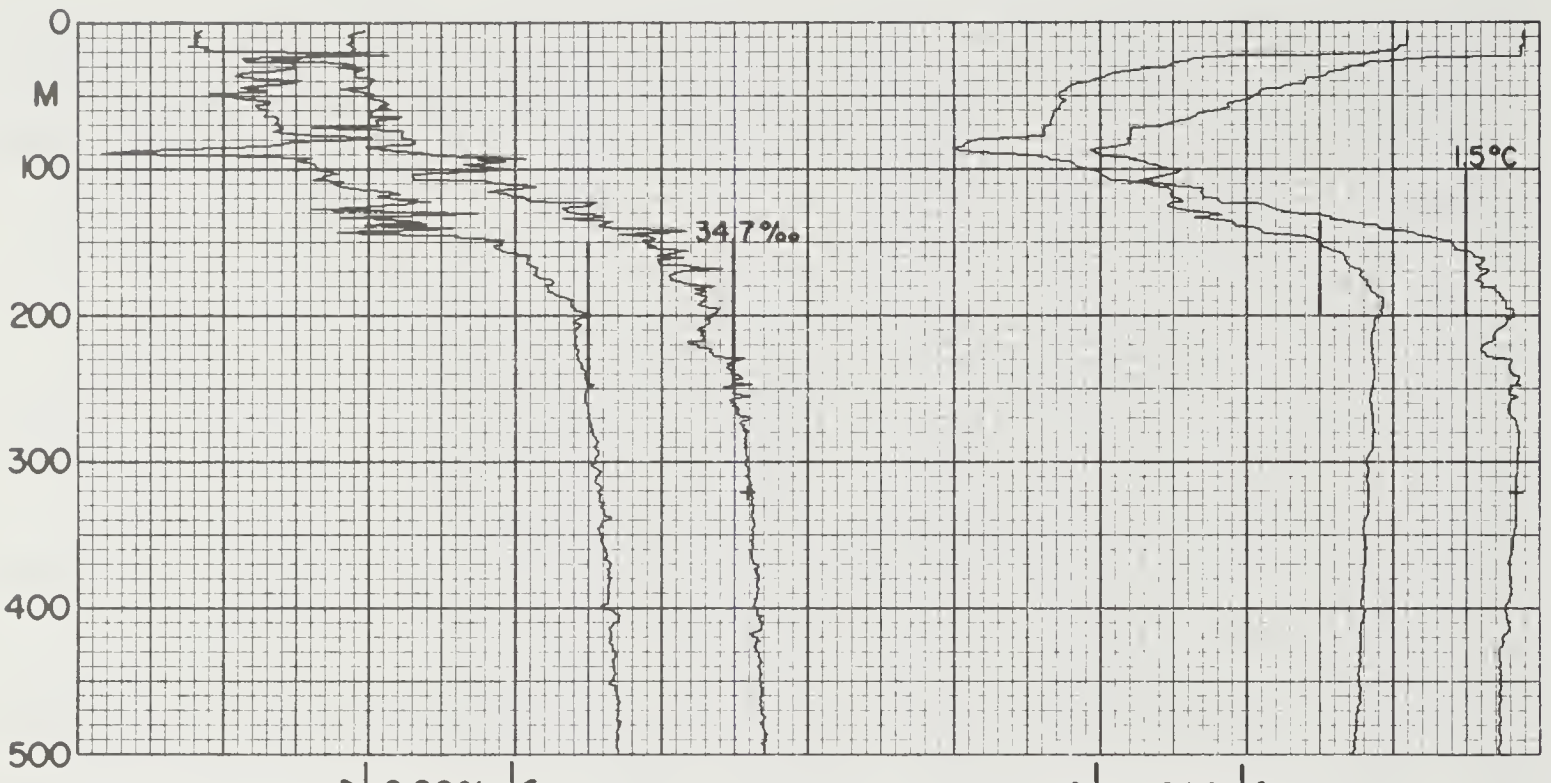
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1510 | 1 | 3 | 15 | 12 | 71 | 3.6 | 6617.2S | 16957.7E | 535 | 3212 | -0.2 | | 314 | 0 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CBS1 | 1 | | | 34.112 | | | | | | | | | | | | |
| STD | 0 | -1.51 | | 34.103 | | 27.46 | | 62.75 | 0.000 | 1441.0 | | | | | | |
| STD | 10 | -1.54 | | 34.105 | | 27.47 | | 62.47 | 0.006 | 1441.1 | | | | | | |
| STD | 20 | -1.62 | | 34.118 | | 27.48 | | 61.17 | 0.012 | 1440.9 | | | | | | |
| STD | 30 | -1.82 | | 34.202 | | 27.55 | | 54.19 | 0.018 | 1440.2 | | | | | | |
| STD | 50 | -1.84 | | 34.316 | | 27.65 | | 45.25 | 0.028 | 1440.6 | | | | | | |
| STD | 75 | -1.78 | | 34.379 | | 27.69 | | 40.40 | 0.039 | 1441.4 | | | | | | |
| STD | 100 | -1.43 | | 34.450 | | 27.74 | | 35.82 | 0.048 | 1443.5 | | | | | | |
| STD | 125 | 0.15 | | 34.617 | | 27.81 | | 29.95 | 0.057 | 1451.5 | | | | | | |
| STD | 150 | 0.93 | | 34.679 | | 27.81 | | 29.93 | 0.064 | 1455.6 | | | | | | |
| STD | 200 | 1.21 | | 34.713 | | 27.82 | | 29.33 | 0.079 | 1457.7 | | | | | | |
| STD | 250 | 1.24 | | 34.722 | | 27.83 | | 29.04 | 0.094 | 1458.6 | | | | | | |
| STD | 286 | 1.25 | | 34.728 | | 27.83 | | 28.79 | 0.104 | 1459.3 | | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 5C | 1512 | 1 | 1 | 15 | 12 | 71 | 19.7 | 6500.7S | 16958.9E | 535 | 2990 | -0.1 | | 103 | 22 | |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| CCM1 | 435 | 1.12 | 34.720 | 27.83 | | | | 486 | | | | | | | | |
| CCM1 | 1436 | 0.47 | 34.700 | 27.86 | | | | 508 | | | | | | | | |
| CCM1 | 2295 | 0.11 | 34.703 | 27.88 | | | | 524 | | | | | | | | |
| STD | 0 | -0.18 | 33.964 | 27.30 | 78.17 | 0.000 | 1447.0 | | | | | | | | | |
| STD | 10 | -0.18 | 33.964 | 27.30 | 78.13 | 0.008 | 1447.2 | | | | | | | | | |
| STD | 20 | -0.22 | 33.943 | 27.29 | 79.56 | 0.016 | 1447.1 | | | | | | | | | |
| STD | 30 | -0.76 | 33.957 | 27.32 | 76.19 | 0.023 | 1444.8 | | | | | | | | | |
| STD | 50 | -1.68 | 34.269 | 27.60 | 49.25 | 0.036 | 1441.3 | | | | | | | | | |
| STD | 75 | -1.78 | 34.363 | 27.68 | 41.62 | 0.047 | 1441.4 | | | | | | | | | |
| STD | 100 | -1.83 | 34.384 | 27.70 | 39.71 | 0.058 | 1441.6 | | | | | | | | | |
| STD | 125 | -1.44 | 34.482 | 27.77 | 33.22 | 0.067 | 1444.0 | | | | | | | | | |
| STD | 150 | 0.64 | 34.688 | 27.84 | 27.39 | 0.074 | 1454.3 | | | | | | | | | |
| STD | 200 | 1.14 | 34.708 | 27.82 | 29.27 | 0.088 | 1457.4 | | | | | | | | | |
| STD | 250 | 1.21 | 34.705 | 27.82 | 30.12 | 0.103 | 1458.5 | | | | | | | | | |
| STD | 300 | 1.07 | 34.715 | 27.83 | 28.48 | 0.118 | 1458.7 | | | | | | | | | |
| STD | 400 | 1.14 | 34.727 | 27.84 | 28.35 | 0.146 | 1460.7 | | | | | | | | | |
| STD | 500 | 1.09 | 34.729 | 27.84 | 27.99 | 0.174 | 1462.1 | | | | | | | | | |
| STD | 600 | 1.01 | 34.725 | 27.84 | 27.98 | 0.202 | 1463.4 | | | | | | | | | |
| STD | 700 | 0.94 | 34.723 | 27.85 | 27.76 | 0.230 | 1464.8 | | | | | | | | | |
| STD | 800 | 0.87 | 34.718 | 27.85 | 27.70 | 0.258 | 1466.1 | | | | | | | | | |
| STD | 900 | 0.79 | 34.717 | 27.85 | 27.39 | 0.286 | 1467.5 | | | | | | | | | |
| STD | 1000 | 0.71 | 34.712 | 27.85 | 27.28 | 0.313 | 1468.8 | | | | | | | | | |
| STD | 1100 | 0.67 | 34.710 | 27.85 | 27.18 | 0.340 | 1470.3 | | | | | | | | | |
| STD | 1200 | 0.62 | 34.707 | 27.86 | 27.01 | 0.367 | 1471.7 | | | | | | | | | |
| STD | 1300 | 0.55 | 34.704 | 27.86 | 26.75 | 0.394 | 1473.1 | | | | | | | | | |
| STD | 1400 | 0.50 | 34.698 | 27.86 | 26.80 | 0.421 | 1474.5 | | | | | | | | | |
| STD | 1500 | 0.44 | 34.700 | 27.86 | 26.20 | 0.447 | 1476.0 | | | | | | | | | |
| STD | 1750 | 0.33 | 34.699 | 27.87 | 25.31 | 0.512 | 1479.7 | | | | | | | | | |
| STD | 2000 | 0.22 | 34.699 | 27.87 | 24.29 | 0.574 | 1483.5 | | | | | | | | | |
| STD | 2250 | 0.12 | 34.700 | 27.88 | 23.17 | 0.633 | 1487.4 | | | | | | | | | |
| STD | 2500 | 0.03 | 34.705 | 27.89 | 21.83 | 0.689 | 1491.3 | | | | | | | | | |
| STD | 2750 | -0.07 | 34.714 | 27.90 | 19.82 | 0.741 | 1495.2 | | | | | | | | | |
| STD | 2979 | -0.12 | 34.721 | 27.91 | 18.74 | 0.786 | 1499.0 | | | | | | | | | |
| PING | 14 | | | | | | | | | | | | | | | |
| CCM2 | 1032 | 0.71 | 34.712 | 27.85 | | | | 501 | | | | | | | | |
| CCM2 | 2775 | -0.06 | 34.713 | 27.90 | | | | 553 | | | | | | | | |
| CCM2 | 2965 | -0.12 | 34.722 | 27.91 | | | | 549 | | | | | | | | |

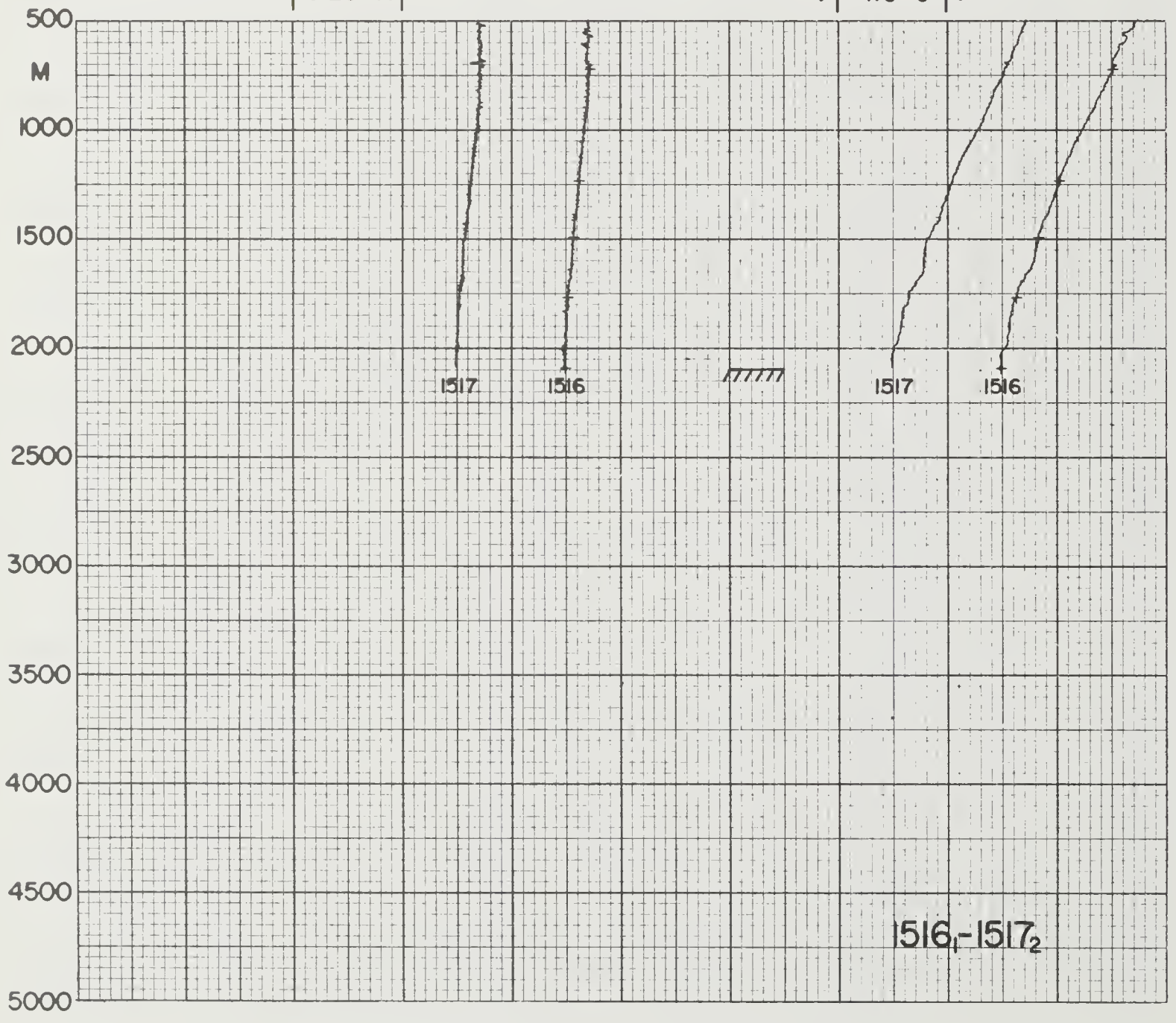


| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1514 | 1 | 1 | 16 | 12 | 71 | 8.2 | 6357.3S | 17000.9E | 534 | 3108 | 1.3 | | 182 | 42 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CCM1 | 284 | 1.56 | | 34.710 | | 27.79 | | | | | 442 | | | | | |
| CCM1 | 1242 | 0.82 | | 34.717 | | 27.85 | | | | | 486 | | | | | |
| CCM1 | 2035 | 0.34 | | 34.697 | | 27.86 | | | | | 497 | | | | | |
| STD | 0 | 1.26 | | 34.144 | | 27.36 | | 72.34 | 0.000 | 1453.8 | | | | | | |
| STD | 10 | 1.26 | | 34.159 | | 27.37 | | 71.24 | 0.007 | 1454.0 | | | | | | |
| STD | 20 | 0.61 | | 34.149 | | 27.41 | | 68.03 | 0.014 | 1451.2 | | | | | | |
| STD | 30 | -0.02 | | 34.118 | | 27.42 | | 67.06 | 0.021 | 1448.5 | | | | | | |
| STD | 50 | -0.97 | | 34.204 | | 27.53 | | 56.43 | 0.033 | 1444.5 | | | | | | |
| STD | 75 | -1.24 | | 34.231 | | 27.56 | | 53.37 | 0.047 | 1443.7 | | | | | | |
| STD | 100 | -1.35 | | 34.280 | | 27.60 | | 49.14 | 0.060 | 1443.7 | | | | | | |
| STD | 125 | -0.83 | | 34.421 | | 27.70 | | 40.21 | 0.071 | 1446.7 | | | | | | |
| STD | 150 | 0.04 | | 34.525 | | 27.74 | | 36.29 | 0.081 | 1451.3 | | | | | | |
| STD | 200 | 1.33 | | 34.672 | | 27.78 | | 33.28 | 0.098 | 1458.1 | | | | | | |
| STD | 250 | 1.54 | | 34.706 | | 27.79 | | 32.46 | 0.114 | 1460.0 | | | | | | |
| STD | 300 | 1.55 | | 34.717 | | 27.80 | | 31.89 | 0.130 | 1460.8 | | | | | | |
| STD | 400 | 1.51 | | 34.731 | | 27.82 | | 30.82 | 0.162 | 1462.3 | | | | | | |
| STD | 500 | 1.48 | | 34.748 | | 27.83 | | 29.68 | 0.192 | 1463.9 | | | | | | |
| STD | 600 | 1.34 | | 34.738 | | 27.83 | | 29.56 | 0.222 | 1464.9 | | | | | | |
| STD | 700 | 1.30 | | 34.739 | | 27.84 | | 29.50 | 0.251 | 1466.4 | | | | | | |
| STD | 800 | 1.19 | | 34.735 | | 27.84 | | 29.10 | 0.280 | 1467.6 | | | | | | |
| STD | 900 | 1.09 | | 34.730 | | 27.84 | | 28.97 | 0.310 | 1468.8 | | | | | | |
| STD | 1000 | 1.01 | | 34.725 | | 27.84 | | 28.84 | 0.338 | 1470.1 | | | | | | |
| STD | 1100 | 0.93 | | 34.721 | | 27.85 | | 28.65 | 0.367 | 1471.4 | | | | | | |
| STD | 1200 | 0.85 | | 34.717 | | 27.85 | | 28.36 | 0.396 | 1472.8 | | | | | | |
| STD | 1300 | 0.79 | | 34.715 | | 27.85 | | 28.13 | 0.424 | 1474.2 | | | | | | |
| STD | 1400 | 0.70 | | 34.711 | | 27.85 | | 27.76 | 0.452 | 1475.5 | | | | | | |
| STD | 1500 | 0.64 | | 34.708 | | 27.86 | | 27.47 | 0.479 | 1476.9 | | | | | | |
| STD | 1750 | 0.49 | | 34.701 | | 27.86 | | 26.74 | 0.547 | 1480.4 | | | | | | |
| STD | 2000 | 0.36 | | 34.697 | | 27.86 | | 25.95 | 0.613 | 1484.1 | | | | | | |
| STD | 2250 | 0.24 | | 34.695 | | 27.87 | | 24.87 | 0.677 | 1487.9 | | | | | | |
| STD | 2500 | 0.13 | | 34.699 | | 27.88 | | 23.38 | 0.737 | 1491.7 | | | | | | |
| STD | 2750 | 0.07 | | 34.702 | | 27.88 | | 22.39 | 0.794 | 1495.8 | | | | | | |
| STD | 3000 | 0.07 | | 34.704 | | 27.88 | | 22.11 | 0.850 | 1500.1 | | | | | | |
| STD | 3081 | 0.07 | | 34.705 | | 27.89 | | 22.13 | 0.868 | 1501.6 | | | | | | |
| PING | 13 | | | | | | | | | | | | | | | |
| CCM2 | 734 | 1.26 | | 34.737 | | 27.84 | | | | | 461 | | | | | |
| CCM2 | 2614 | 0.08 | | 34.698 | | 27.88 | | | | | 516 | | | | | |
| CCM2 | 3069 | 0.07 | | 34.701 | | 27.88 | | | | | 518 | | | | | |

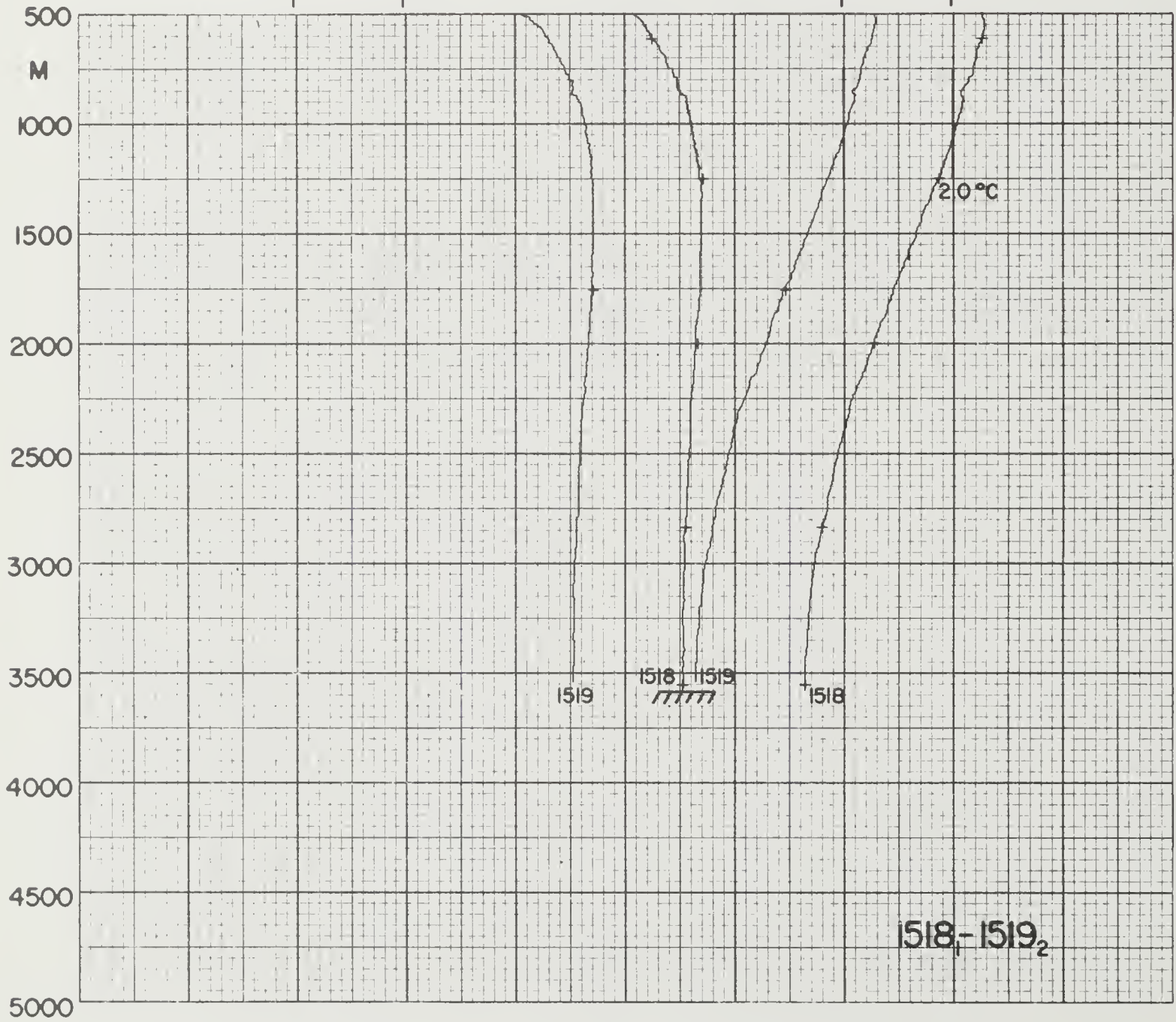


→ 0.20‰ ←

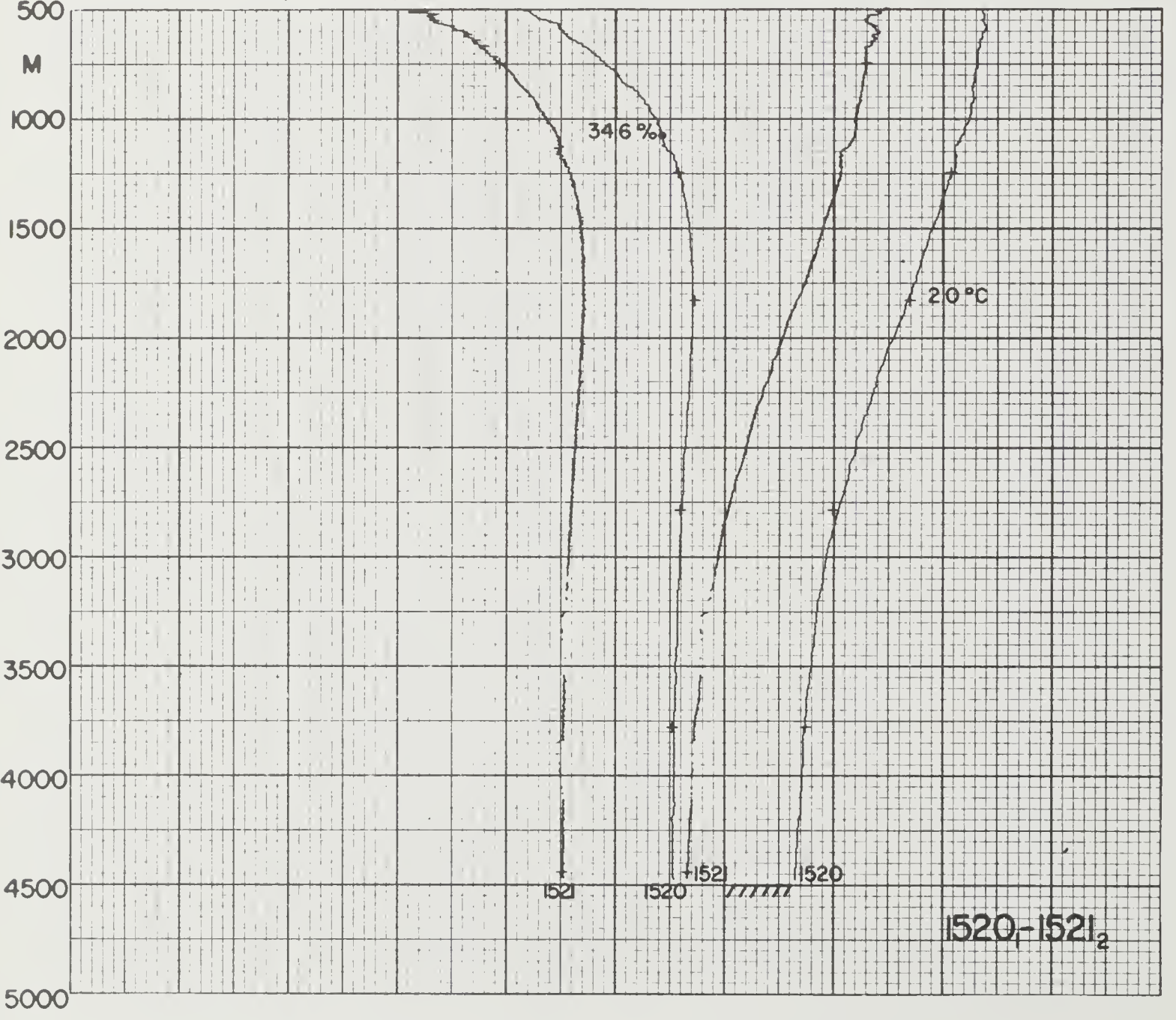
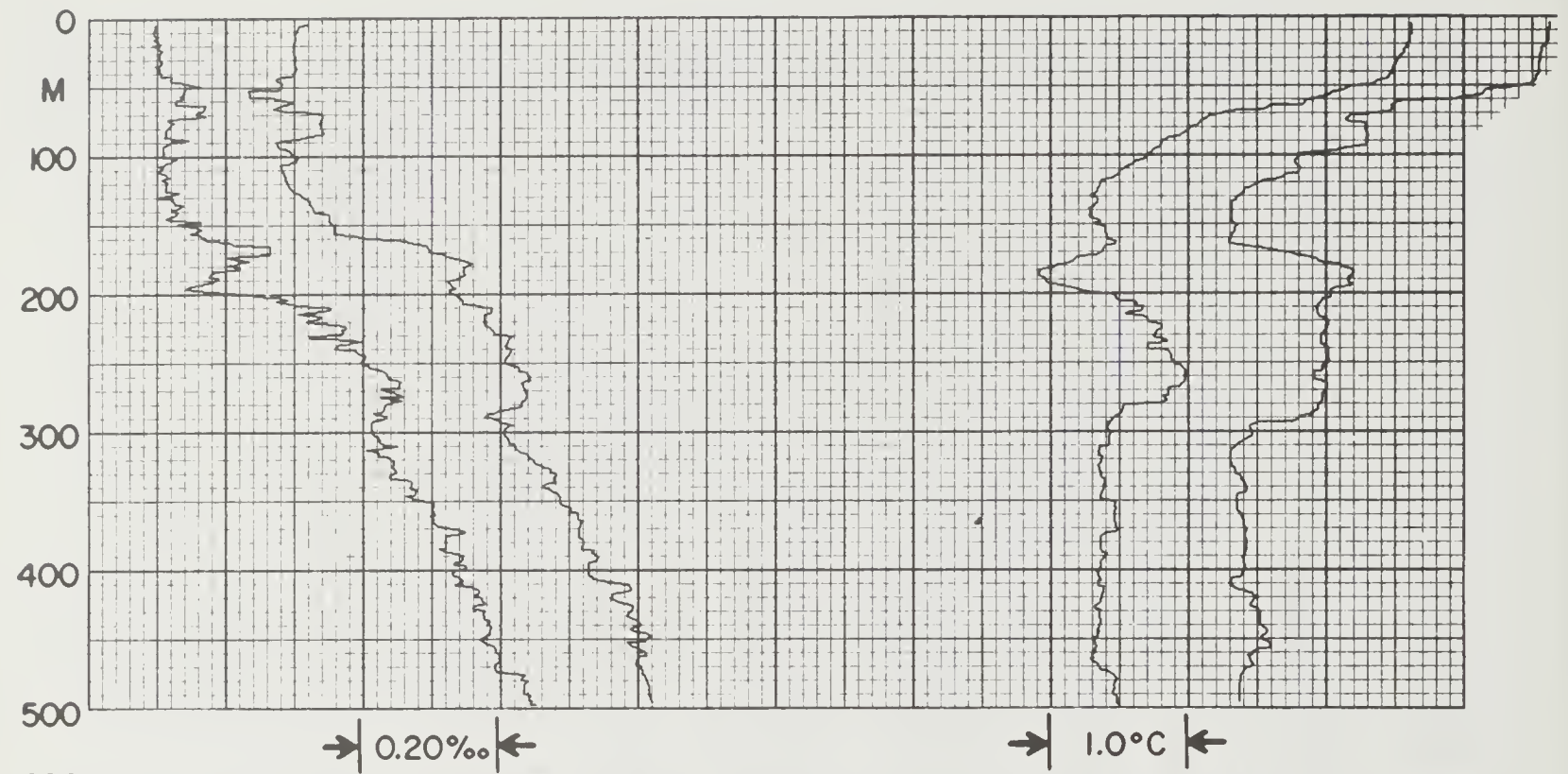
→ 1.0°C ←



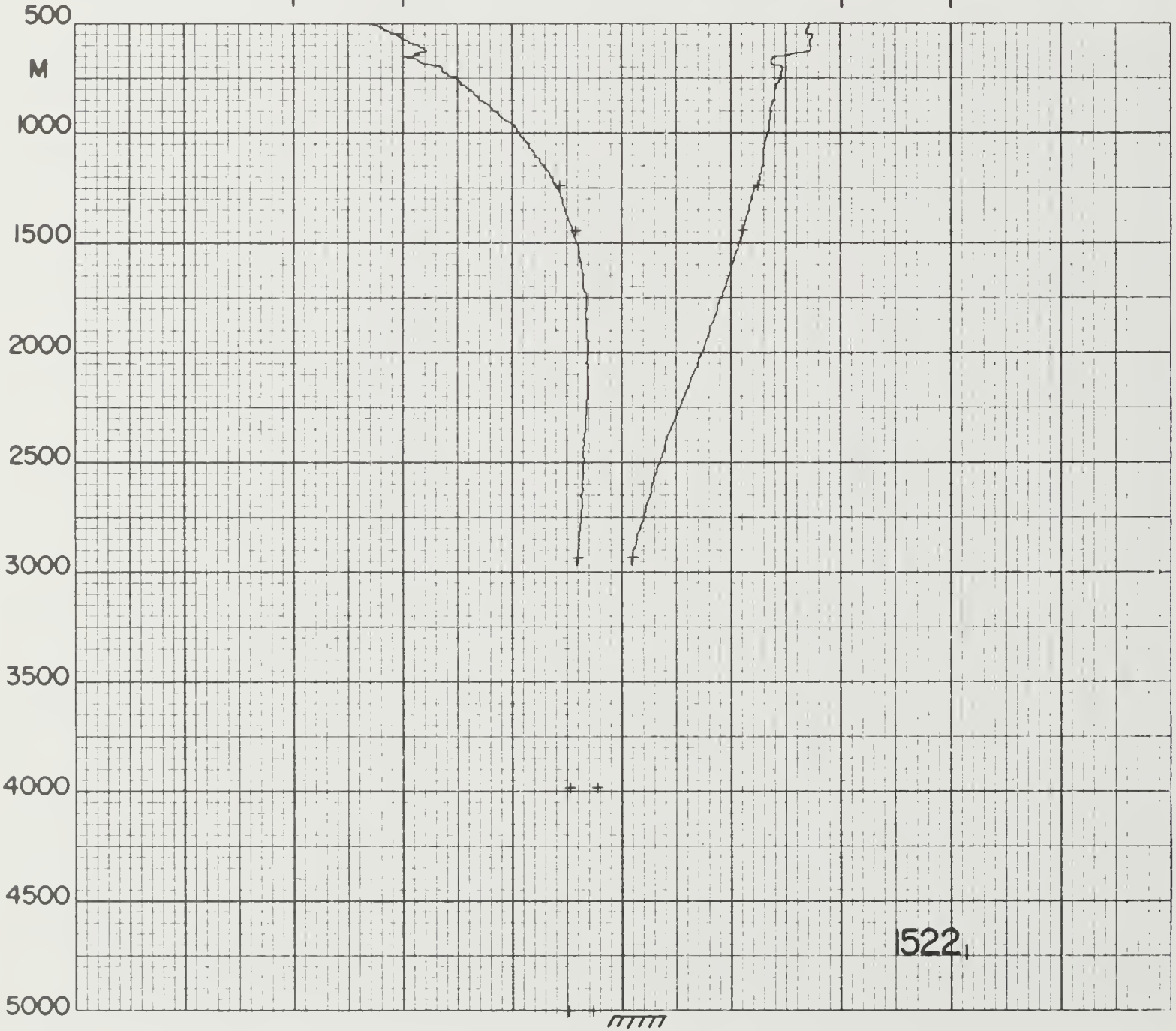
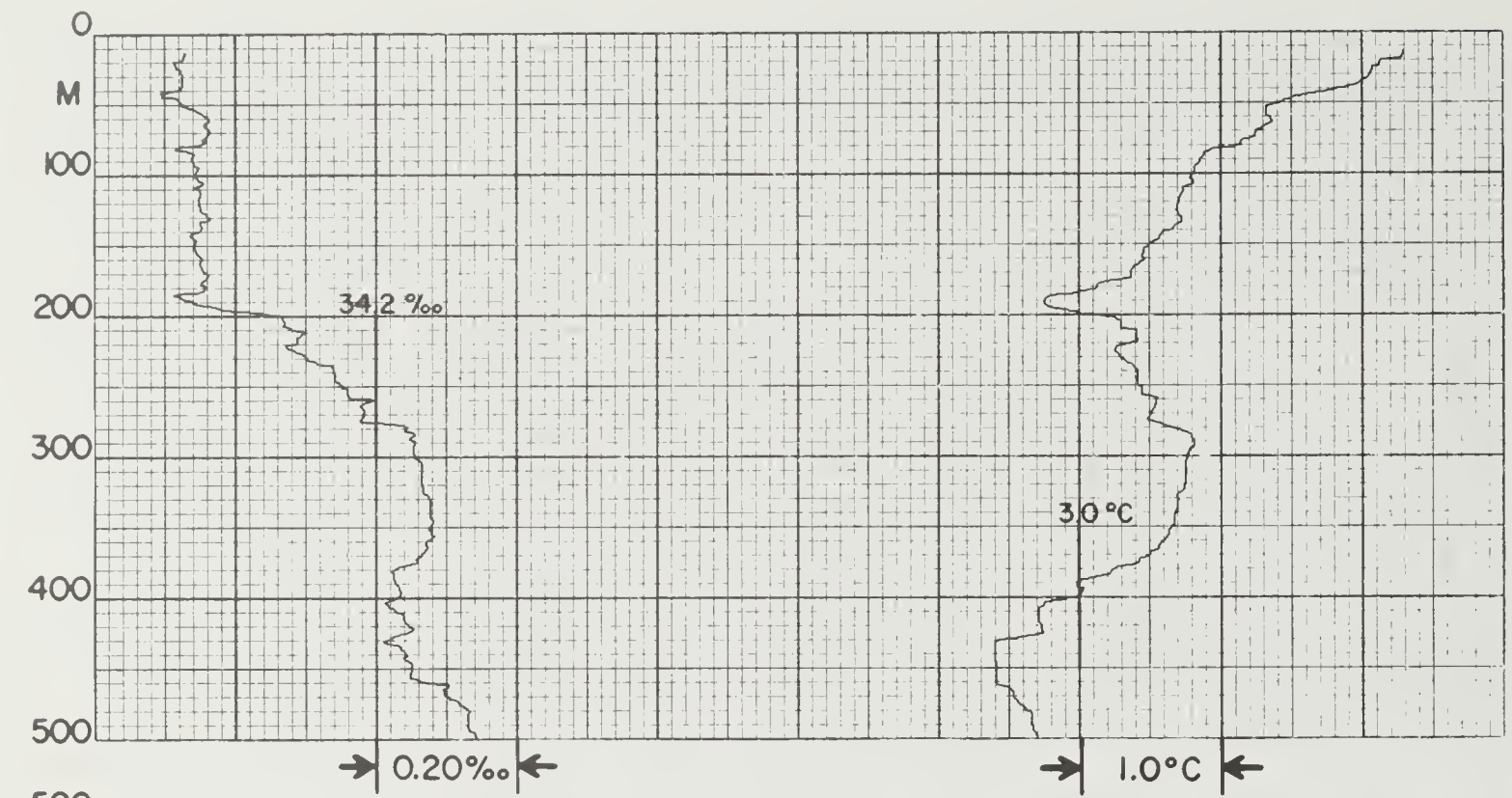
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1516 | 1 | 1 | 16 | 12 | 71 | 22.5 | 6303.0S | 17001.8E | 534 | 2028 | 1.7 | | 65 | 2 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CCM1 | 321 | 1.84 | | 34.717 | | 27.78 | | | | | 426 | | | | | |
| CCM1 | 727 | 1.52 | | 34.746 | | 27.83 | | | | | 456 | | | | | |
| CCM1 | 1236 | 1.03 | | 34.726 | | 27.84 | | | | | 457 | | | | | |
| CCM1 | 1497 | 0.84 | | 34.716 | | 27.85 | | | | | 476 | | | | | |
| CCM1 | 1770 | 0.64 | | 34.707 | | 27.85 | | | | | 484 | | | | | |
| CCM1 | 2094 | 0.50 | | 34.702 | | 27.86 | | | | | 485 | | | | | |
| STD | 0 | 1.89 | | 34.193 | | 27.36 | 72.90 | 0.000 | | 1456.7 | | | | | | |
| STD | 10 | 1.88 | | 34.174 | | 27.34 | 74.28 | 0.007 | | 1456.8 | | | | | | |
| STD | 20 | 1.87 | | 34.174 | | 27.34 | 74.26 | 0.015 | | 1456.9 | | | | | | |
| STD | 30 | 0.71 | | 34.164 | | 27.41 | 67.42 | 0.022 | | 1451.9 | | | | | | |
| STD | 50 | 0.05 | | 34.204 | | 27.48 | 60.83 | 0.035 | | 1449.2 | | | | | | |
| STD | 75 | -0.79 | | 34.245 | | 27.55 | 53.89 | 0.049 | | 1445.8 | | | | | | |
| STD | 100 | -0.51 | | 34.380 | | 27.65 | 44.67 | 0.061 | | 1447.7 | | | | | | |
| STD | 125 | 0.14 | | 34.501 | | 27.72 | 38.64 | 0.072 | | 1451.3 | | | | | | |
| STD | 150 | 1.39 | | 34.575 | | 27.70 | 40.88 | 0.082 | | 1457.4 | | | | | | |
| STD | 200 | 1.83 | | 34.668 | | 27.74 | 37.32 | 0.101 | | 1460.3 | | | | | | |
| STD | 250 | 1.80 | | 34.693 | | 27.76 | 35.46 | 0.119 | | 1461.1 | | | | | | |
| STD | 300 | 1.85 | | 34.717 | | 27.78 | 34.20 | 0.137 | | 1462.2 | | | | | | |
| STD | 400 | 1.77 | | 34.730 | | 27.80 | 33.06 | 0.171 | | 1463.5 | | | | | | |
| STD | 500 | 1.72 | | 34.743 | | 27.81 | 32.10 | 0.203 | | 1465.0 | | | | | | |
| STD | 600 | 1.63 | | 34.744 | | 27.82 | 31.65 | 0.235 | | 1466.2 | | | | | | |
| STD | 700 | 1.52 | | 34.743 | | 27.82 | 31.10 | 0.266 | | 1467.4 | | | | | | |
| STD | 800 | 1.44 | | 34.741 | | 27.83 | 30.96 | 0.297 | | 1468.7 | | | | | | |
| STD | 900 | 1.36 | | 34.740 | | 27.83 | 30.57 | 0.328 | | 1470.0 | | | | | | |
| STD | 1000 | 1.24 | | 34.731 | | 27.83 | 30.36 | 0.359 | | 1471.1 | | | | | | |
| STD | 1100 | 1.14 | | 34.732 | | 27.84 | 29.74 | 0.389 | | 1472.4 | | | | | | |
| STD | 1200 | 1.05 | | 34.725 | | 27.84 | 29.59 | 0.418 | | 1473.7 | | | | | | |
| STD | 1300 | 0.99 | | 34.725 | | 27.85 | 29.27 | 0.448 | | 1475.1 | | | | | | |
| STD | 1400 | 0.91 | | 34.717 | | 27.85 | 29.25 | 0.477 | | 1476.4 | | | | | | |
| STD | 1500 | 0.83 | | 34.715 | | 27.85 | 28.84 | 0.506 | | 1477.8 | | | | | | |
| STD | 1750 | 0.65 | | 34.705 | | 27.85 | 28.07 | 0.577 | | 1481.2 | | | | | | |
| STD | 2000 | 0.54 | | 34.701 | | 27.86 | 27.53 | 0.647 | | 1484.9 | | | | | | |
| STD | 2099 | 0.51 | | 34.699 | | 27.86 | 27.37 | 0.674 | | 1486.5 | | | | | | |
| PING | 7 | | | | | | | | | | | | | | | |



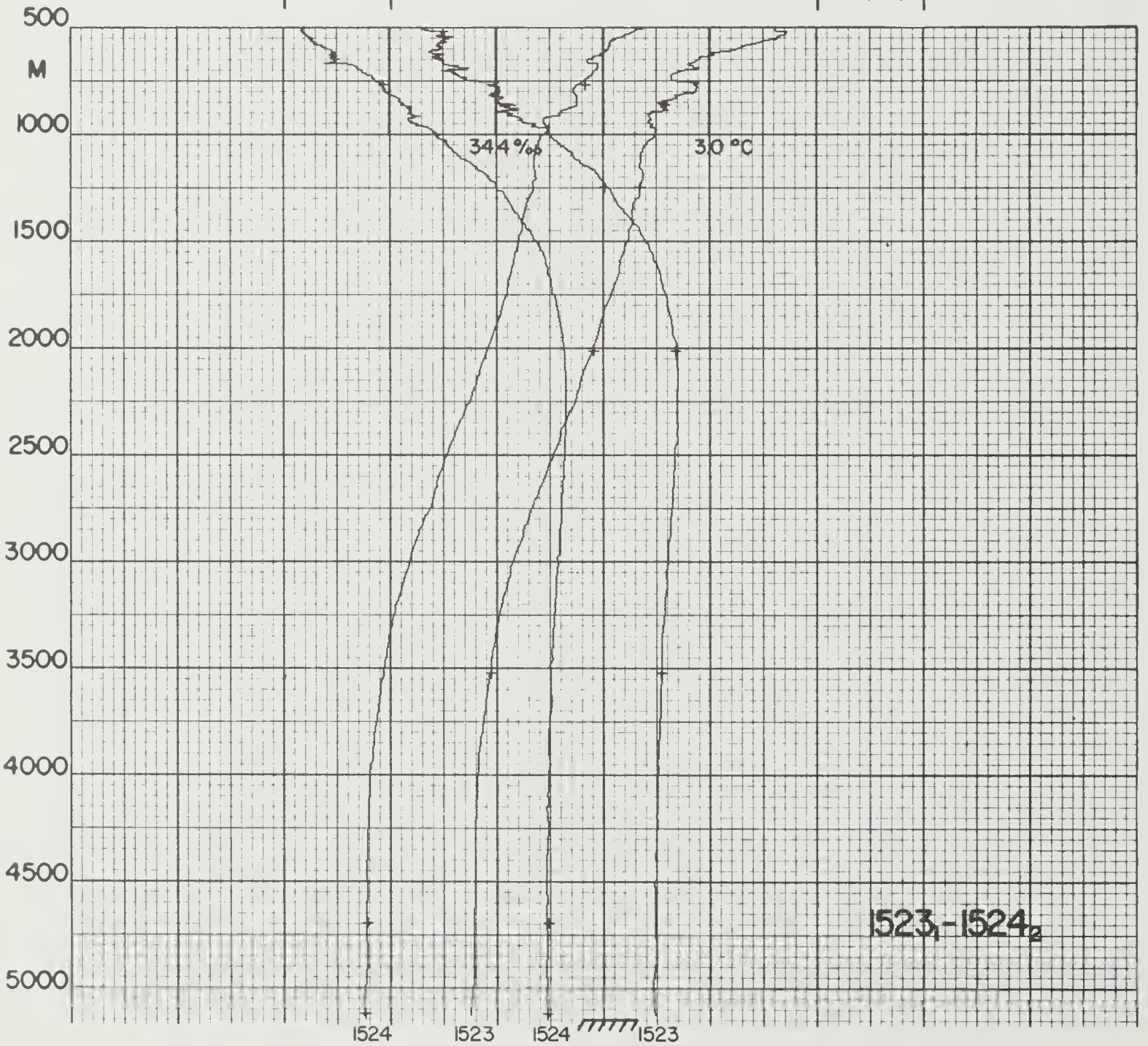
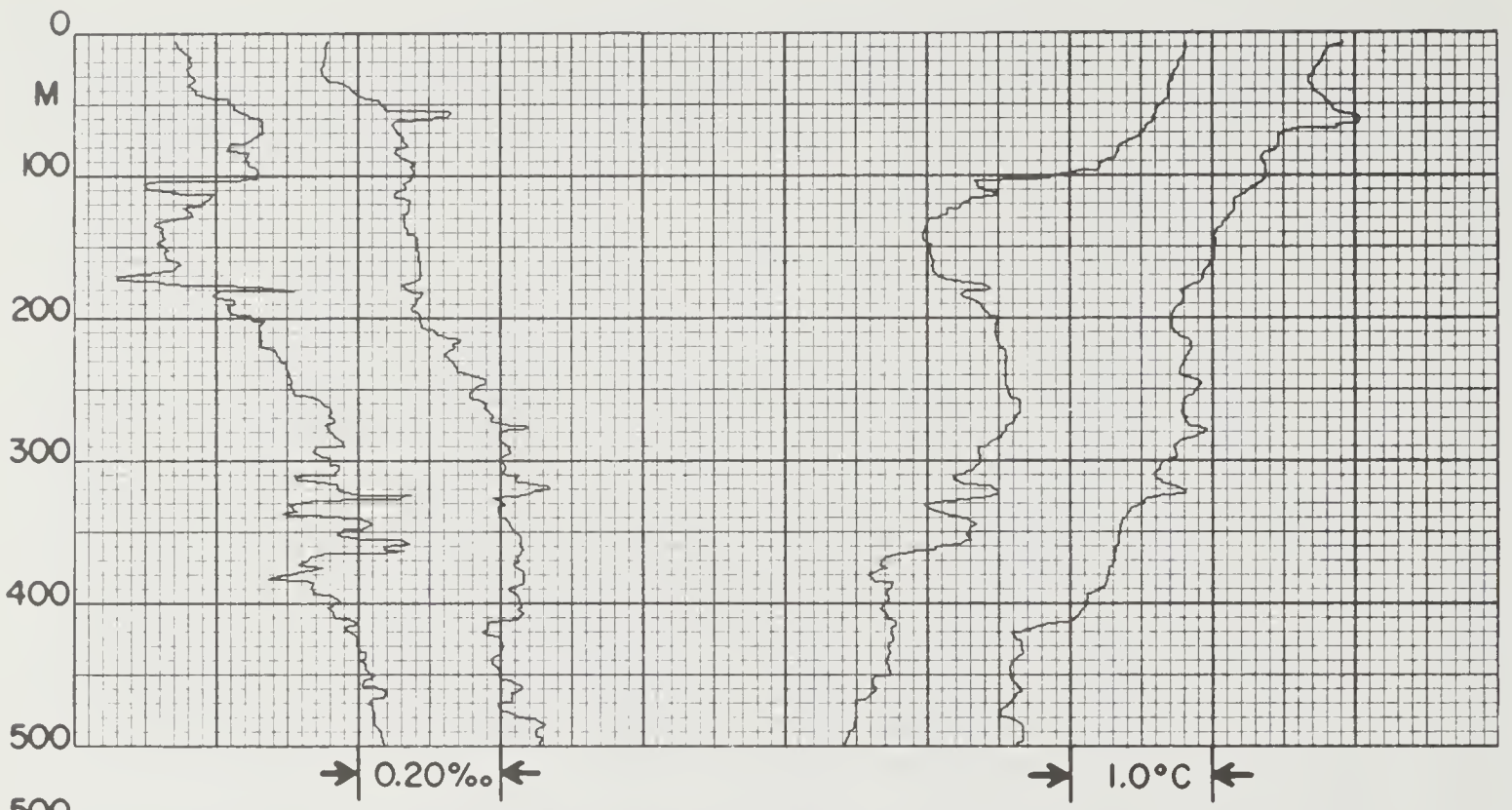
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1518 | 1 | 3 | 17 | 12 | 71 | 8.6 | 6201.1S | 17000.0E | 534 | 3374 | 2.9 | | 265 | 263 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| CCM1 | 614 | 2.26 | | 34.650 | | 27.69 | | | | | 409 | | | | | |
| CCM1 | 1248 | 1.87 | | 34.744 | | 27.80 | | | | | 442 | | | | | |
| CCM1 | 1999 | 1.28 | | 34.735 | | 27.83 | | | | | 463 | | | | | |
| CCM1 | 2842 | 0.80 | | 34.711 | | 27.85 | | | | | 481 | | | | | |
| CCM1 | 3562 | 0.65 | | 34.706 | | 27.85 | | | | | 490 | | | | | |
| STD | 0 | 3.62 | | 33.839 | | 26.92 | 113.82 | 0.000 | | 1463.7 | | | | | | |
| STD | 10 | 3.61 | | 33.840 | | 26.93 | 113.81 | 0.011 | | 1463.8 | | | | | | |
| STD | 20 | 3.59 | | 33.827 | | 26.92 | 114.67 | 0.023 | | 1463.9 | | | | | | |
| STD | 30 | 3.17 | | 33.847 | | 26.97 | 109.43 | 0.034 | | 1462.3 | | | | | | |
| STD | 50 | 2.22 | | 33.864 | | 27.07 | 100.46 | 0.055 | | 1458.5 | | | | | | |
| STD | 75 | 1.76 | | 33.890 | | 27.12 | 95.09 | 0.079 | | 1456.9 | | | | | | |
| STD | 100 | 1.50 | | 33.902 | | 27.15 | 92.43 | 0.103 | | 1456.2 | | | | | | |
| STD | 125 | 1.22 | | 33.943 | | 27.20 | 87.55 | 0.125 | | 1455.4 | | | | | | |
| STD | 150 | 1.02 | | 34.018 | | 27.28 | 80.63 | 0.146 | | 1455.1 | | | | | | |
| STD | 200 | 1.49 | | 34.226 | | 27.41 | 68.14 | 0.184 | | 1458.2 | | | | | | |
| STD | 250 | 1.67 | | 34.332 | | 27.48 | 61.67 | 0.216 | | 1460.0 | | | | | | |
| STD | 300 | 2.00 | | 34.432 | | 27.54 | 56.92 | 0.246 | | 1462.5 | | | | | | |
| STD | 400 | 2.25 | | 34.551 | | 27.61 | 50.52 | 0.299 | | 1465.3 | | | | | | |
| STD | 500 | 2.25 | | 34.614 | | 27.66 | 46.35 | 0.348 | | 1467.1 | | | | | | |
| STD | 600 | 2.27 | | 34.648 | | 27.69 | 44.47 | 0.393 | | 1468.9 | | | | | | |
| STD | 700 | 2.21 | | 34.675 | | 27.72 | 42.38 | 0.437 | | 1470.3 | | | | | | |
| STD | 800 | 2.14 | | 34.696 | | 27.74 | 40.70 | 0.478 | | 1471.7 | | | | | | |
| STD | 900 | 2.09 | | 34.713 | | 27.76 | 39.37 | 0.518 | | 1473.2 | | | | | | |
| STD | 1000 | 2.03 | | 34.722 | | 27.77 | 38.65 | 0.557 | | 1474.6 | | | | | | |
| STD | 1100 | 1.98 | | 34.729 | | 27.78 | 38.03 | 0.596 | | 1476.1 | | | | | | |
| STD | 1200 | 1.91 | | 34.736 | | 27.79 | 37.17 | 0.633 | | 1477.5 | | | | | | |
| STD | 1300 | 1.82 | | 34.741 | | 27.80 | 36.35 | 0.670 | | 1478.8 | | | | | | |
| STC | 1400 | 1.74 | | 34.740 | | 27.81 | 35.94 | 0.706 | | 1480.1 | | | | | | |
| STD | 1500 | 1.66 | | 34.740 | | 27.81 | 35.49 | 0.742 | | 1481.4 | | | | | | |
| STD | 1750 | 1.45 | | 34.737 | | 27.82 | 34.21 | 0.829 | | 1484.8 | | | | | | |
| STC | 2000 | 1.27 | | 34.730 | | 27.83 | 33.50 | 0.914 | | 1488.2 | | | | | | |
| STD | 2250 | 1.08 | | 34.722 | | 27.84 | 32.37 | 0.996 | | 1491.6 | | | | | | |
| STD | 2500 | 0.95 | | 34.718 | | 27.84 | 31.53 | 1.076 | | 1495.4 | | | | | | |
| STD | 2750 | 0.85 | | 34.714 | | 27.85 | 30.99 | 1.154 | | 1499.2 | | | | | | |
| STD | 3000 | 0.74 | | 34.710 | | 27.85 | 30.27 | 1.231 | | 1503.1 | | | | | | |
| STD | 3250 | 0.68 | | 34.706 | | 27.85 | 30.08 | 1.306 | | 1507.2 | | | | | | |
| STC | 3500 | 0.65 | | 34.707 | | 27.85 | 29.84 | 1.381 | | 1511.5 | | | | | | |
| STD | 3577 | 0.65 | | 34.708 | | 27.85 | 29.86 | 1.404 | | 1512.8 | | | | | | |
| PING | 6 | | | | | | | | | | | | | | | |
| CCM2 | 1761 | 1.47 | | 34.743 | | 27.83 | | | | | 458 | | | | | |



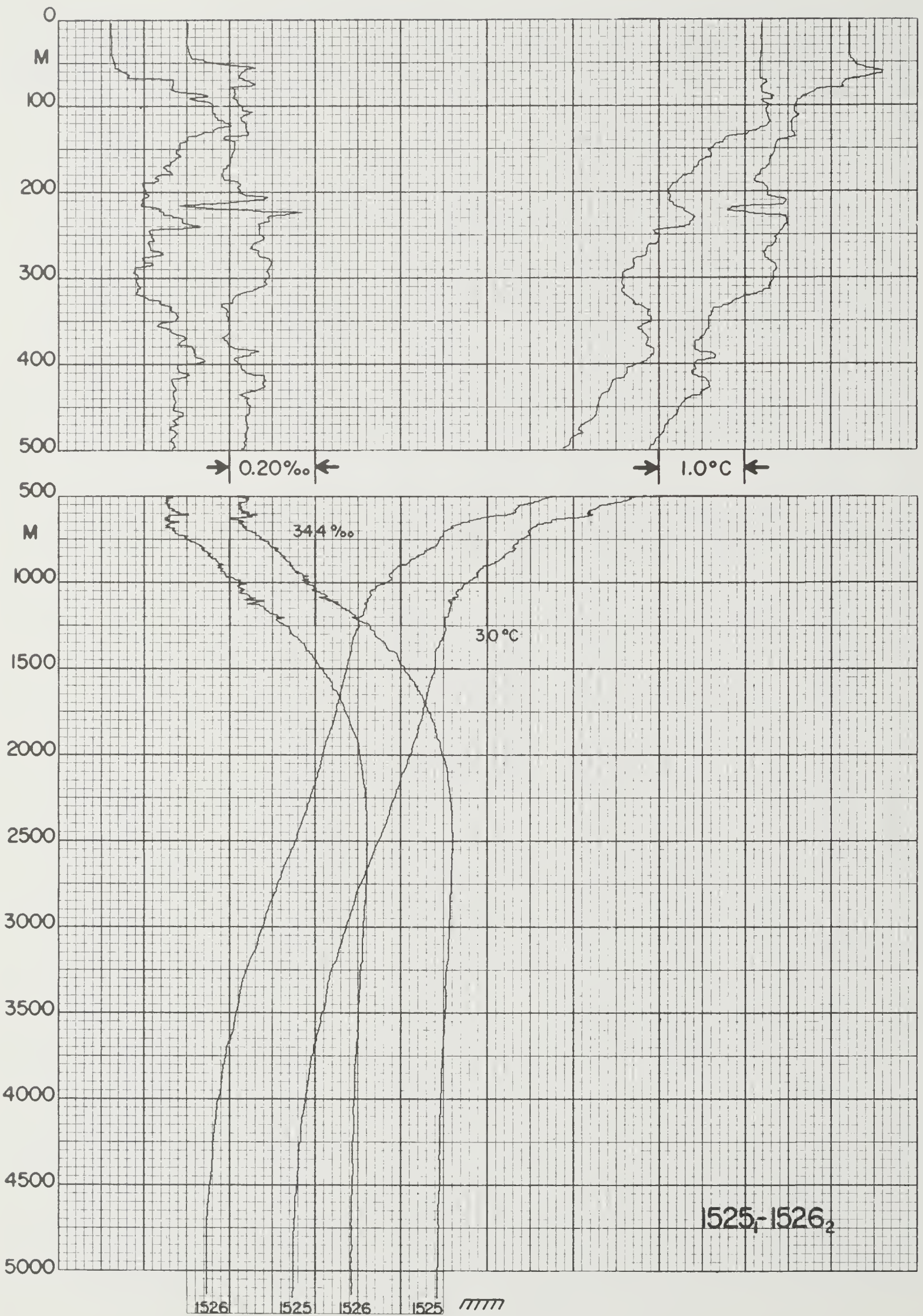
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1520 | 1 | 3 | 17 | 12 | 71 | 23.3 | 6101.3S | 17001.8E | 534 | 4618 | 3.0 | | 264 | 273 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| CCM1 | 1245 | 2.08 | | 34.716 | | 27.76 | | | | | 445 | | | | | |
| CCM1 | 1828 | 1.70 | | 34.747 | | 27.81 | | | | | 460 | | | | | |
| CBS1 | 2791Q | 1.00 | | 34.720 | | 27.84 | | | | | 483 | | | | | |
| CCM1 | 3785 | 0.75 | | 34.707 | | 27.85 | | | | | 508 | | | | | |
| STD | 0 | 4.62 | | 33.919 | | 26.88 | | 117.71 | 0.000 | 1468.0 | | | | | | |
| STD | 10 | 4.61 | | 33.902 | | 26.87 | | 119.01 | 0.012 | 1468.1 | | | | | | |
| STD | 20 | 4.60 | | 33.899 | | 26.87 | | 119.13 | 0.024 | 1468.2 | | | | | | |
| STD | 30 | 4.55 | | 33.899 | | 26.88 | | 118.77 | 0.036 | 1468.2 | | | | | | |
| STD | 50 | 4.42 | | 33.878 | | 26.87 | | 119.22 | 0.059 | 1468.0 | | | | | | |
| STD | 75 | 3.14 | | 33.937 | | 27.05 | | 102.62 | 0.087 | 1463.0 | | | | | | |
| STD | 100 | 2.81 | | 33.900 | | 27.05 | | 102.71 | 0.113 | 1461.9 | | | | | | |
| STD | 125 | 2.41 | | 33.896 | | 27.08 | | 99.79 | 0.138 | 1460.6 | | | | | | |
| STD | 150 | 2.34 | | 33.957 | | 27.13 | | 94.81 | 0.162 | 1460.8 | | | | | | |
| STD | 200 | 3.03 | | 34.128 | | 27.21 | | 88.06 | 0.208 | 1464.8 | | | | | | |
| STD | 250 | 3.01 | | 34.205 | | 27.27 | | 82.46 | 0.251 | 1465.7 | | | | | | |
| STD | 300 | 2.46 | | 34.203 | | 27.32 | | 77.94 | 0.291 | 1464.1 | | | | | | |
| STD | 400 | 2.41 | | 34.328 | | 27.42 | | 68.64 | 0.364 | 1465.7 | | | | | | |
| STD | 500 | 2.37 | | 34.424 | | 27.50 | | 61.62 | 0.429 | 1467.4 | | | | | | |
| STD | 600 | 2.38 | | 34.503 | | 27.57 | | 56.34 | 0.488 | 1469.2 | | | | | | |
| STD | 700 | 2.32 | | 34.559 | | 27.62 | | 52.06 | 0.543 | 1470.6 | | | | | | |
| STD | 800 | 2.29 | | 34.604 | | 27.65 | | 49.04 | 0.593 | 1472.3 | | | | | | |
| STD | 900 | 2.28 | | 34.647 | | 27.69 | | 46.24 | 0.641 | 1473.9 | | | | | | |
| STD | 1000 | 2.24 | | 34.676 | | 27.71 | | 44.20 | 0.686 | 1475.5 | | | | | | |
| STD | 1100 | 2.16 | | 34.688 | | 27.73 | | 42.92 | 0.729 | 1476.8 | | | | | | |
| STD | 1200 | 2.12 | | 34.711 | | 27.75 | | 41.29 | 0.772 | 1478.4 | | | | | | |
| STD | 1300 | 2.05 | | 34.724 | | 27.77 | | 40.01 | 0.812 | 1479.8 | | | | | | |
| STD | 1400 | 1.98 | | 34.730 | | 27.78 | | 39.28 | 0.852 | 1481.1 | | | | | | |
| STD | 1500 | 1.91 | | 34.735 | | 27.79 | | 38.56 | 0.891 | 1482.5 | | | | | | |
| STD | 1750 | 1.74 | | 34.742 | | 27.81 | | 37.11 | 0.985 | 1486.0 | | | | | | |
| STD | 2000 | 1.55 | | 34.741 | | 27.82 | | 35.91 | 1.077 | 1489.5 | | | | | | |
| STD | 2250 | 1.37 | | 34.736 | | 27.83 | | 34.82 | 1.165 | 1492.9 | | | | | | |
| STD | 2500 | 1.21 | | 34.730 | | 27.84 | | 33.94 | 1.251 | 1496.5 | | | | | | |
| STD | 2750 | 1.07 | | 34.725 | | 27.84 | | 33.13 | 1.335 | 1500.2 | | | | | | |
| STD | 3000 | 0.94 | | 34.720 | | 27.85 | | 32.27 | 1.417 | 1504.0 | | | | | | |
| STD | 3250 | 0.86 | | 34.716 | | 27.85 | | 31.73 | 1.497 | 1508.0 | | | | | | |
| STD | 3500 | 0.81 | | 34.711 | | 27.85 | | 31.77 | 1.576 | 1512.2 | | | | | | |
| STD | 3750 | 0.75 | | 34.710 | | 27.85 | | 31.30 | 1.655 | 1516.3 | | | | | | |
| STD | 4000 | 0.72 | | 34.710 | | 27.85 | | 31.20 | 1.733 | 1520.6 | | | | | | |
| STD | 4250 | 0.69 | | 34.709 | | 27.85 | | 30.99 | 1.811 | 1524.9 | | | | | | |
| STD | 4480 | 0.66 | | 34.709 | | 27.85 | | 30.84 | 1.882 | 1528.9 | | | | | | |
| PING | 15 | | | | | | | | | | | | | | | |
| CCM2 | 750 | 2.30 | | 34.589 | | 27.64 | | | | | 415 | | | | | |
| CCM2 | 4449 | 0.67 | | 34.705 | | 27.85 | | | | | 504 | | | | | |



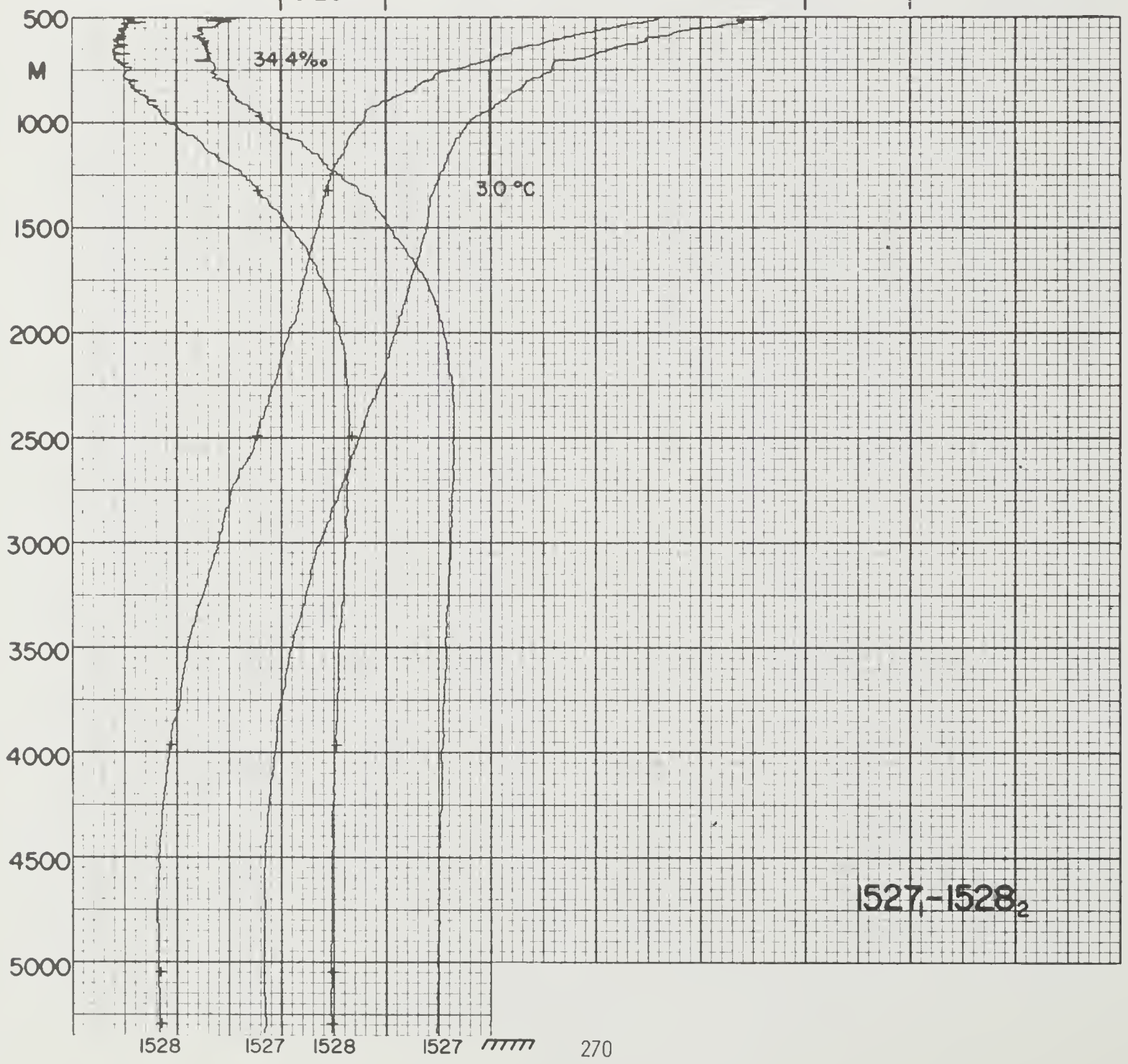
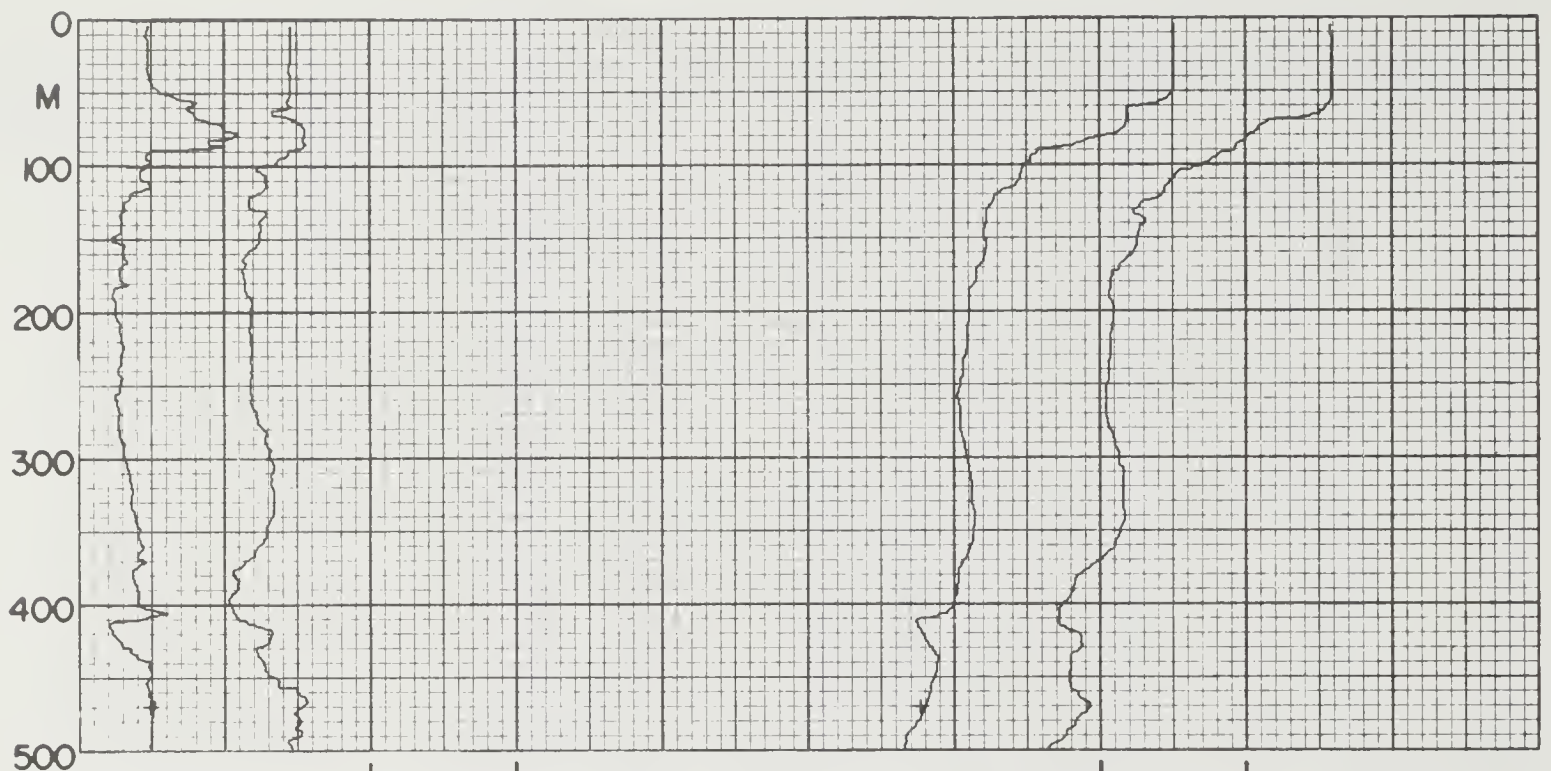
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1522 | 1 | 3 | 18 | 12 | 71 | 13.7 | 6000.3S | 17002.5E | 534 | 5016 | 4.2 | | 264 | 263 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| CCM1 | 1239 | 2.24 | | 34.687 | | 27.72 | | | | | 428 | | | | | |
| CCM1 | 1447 | 2.10 | | 34.717 | | 27.76 | | | | | 443 | | | | | |
| CCM1 | 2941 | 1.10 | | 34.720 | | 27.84 | | | | | 413 | | | | | |
| CCM1 | 3992 | 0.78 | | 34.706 | | 27.84 | | | | | 503 | | | | | |
| CCM1 | 5012 | 0.74 | | 34.705 | | 27.85 | | | | | 502 | | | | | |
| | | | | | | | | | | | | | | | | |
| STD | 0 | 5.28 | | 33.927 | | 26.82 | | 124.23 | 0.000 | 1470.7 | | | | | | |
| STD | 10 | 5.28 | | 33.927 | | 26.82 | | 124.34 | 0.012 | 1470.9 | | | | | | |
| STD | 20 | 5.18 | | 33.914 | | 26.82 | | 124.31 | 0.025 | 1470.6 | | | | | | |
| STD | 30 | 5.05 | | 33.921 | | 26.84 | | 122.37 | 0.037 | 1470.3 | | | | | | |
| STD | 50 | 4.41 | | 33.921 | | 26.91 | | 115.82 | 0.061 | 1468.0 | | | | | | |
| STD | 75 | 4.20 | | 33.950 | | 26.95 | | 111.66 | 0.089 | 1467.5 | | | | | | |
| STD | 100 | 3.80 | | 33.940 | | 26.99 | | 108.72 | 0.117 | 1466.2 | | | | | | |
| STD | 125 | 3.68 | | 33.949 | | 27.01 | | 107.10 | 0.144 | 1466.1 | | | | | | |
| STD | 150 | 3.49 | | 33.940 | | 27.02 | | 106.17 | 0.171 | 1465.7 | | | | | | |
| STD | 200 | 3.07 | | 34.062 | | 27.15 | | 93.47 | 0.221 | 1464.9 | | | | | | |
| STD | 250 | 3.40 | | 34.149 | | 27.19 | | 90.40 | 0.267 | 1467.3 | | | | | | |
| STD | 300 | 3.76 | | 34.255 | | 27.24 | | 86.36 | 0.311 | 1469.8 | | | | | | |
| STD | 400 | 2.99 | | 34.230 | | 27.29 | | 81.40 | 0.395 | 1468.1 | | | | | | |
| STD | 500 | 2.69 | | 34.343 | | 27.41 | | 70.69 | 0.471 | 1468.6 | | | | | | |
| STD | 600 | 2.71 | | 34.424 | | 27.47 | | 65.40 | 0.539 | 1470.5 | | | | | | |
| STD | 700 | 2.45 | | 34.470 | | 27.53 | | 59.99 | 0.601 | 1471.1 | | | | | | |
| STD | 800 | 2.40 | | 34.518 | | 27.58 | | 56.43 | 0.660 | 1472.6 | | | | | | |
| STD | 900 | 2.35 | | 34.565 | | 27.62 | | 53.01 | 0.714 | 1474.1 | | | | | | |
| STD | 1000 | 2.33 | | 34.612 | | 27.66 | | 49.83 | 0.766 | 1475.8 | | | | | | |
| STD | 1100 | 2.29 | | 34.641 | | 27.68 | | 47.83 | 0.815 | 1477.3 | | | | | | |
| STD | 1200 | 2.25 | | 34.669 | | 27.71 | | 45.78 | 0.861 | 1478.9 | | | | | | |
| STD | 1300 | 2.18 | | 34.690 | | 27.73 | | 43.95 | 0.906 | 1480.3 | | | | | | |
| STD | 1400 | 2.13 | | 34.703 | | 27.75 | | 42.92 | 0.950 | 1481.7 | | | | | | |
| STD | 1500 | 2.08 | | 34.717 | | 27.76 | | 41.75 | 0.992 | 1483.2 | | | | | | |
| STD | 1750 | 1.91 | | 34.736 | | 27.79 | | 39.53 | 1.094 | 1486.8 | | | | | | |
| STD | 2000 | 1.74 | | 34.737 | | 27.80 | | 38.46 | 1.191 | 1490.3 | | | | | | |
| STD | 2250 | 1.53 | | 34.736 | | 27.82 | | 36.80 | 1.285 | 1493.7 | | | | | | |
| STD | 2500 | 1.35 | | 34.731 | | 27.83 | | 35.66 | 1.376 | 1497.1 | | | | | | |
| STD | 2750 | 1.20 | | 34.725 | | 27.83 | | 34.74 | 1.464 | 1500.8 | | | | | | |
| STD | 2976 | 1.09 | | 34.718 | | 27.83 | | 34.38 | 1.542 | 1504.2 | | | | | | |
| PING | 20 | | | | | | | | | | | | | | | |



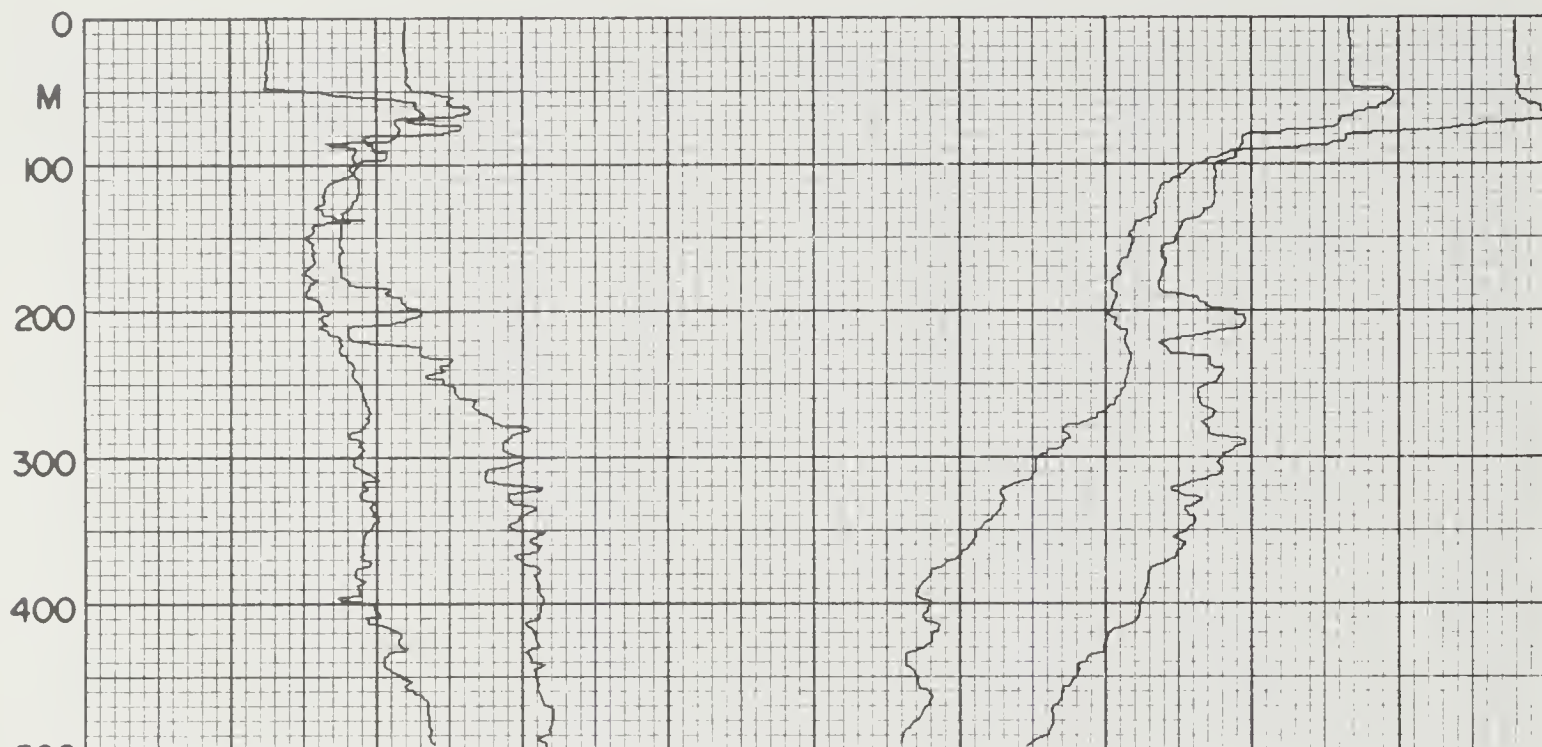
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1523 | 1 | 3 | 19 | 12 | 71 | 8.1 | 5859.4S | 17004.0E | 498 | 5090 | 4.7 | | 263 | 273 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| CCM1 | 1250 | 2.36 | | 34.607 | | 27.65 | | | | | 430 | | | | | |
| CCM1 | 2013 | 1.93 | | 34.740 | | 27.79 | | | | | 457 | | | | | |
| CCM1 | 3527 | 0.97 | | 34.713 | | 27.84 | | | | | 491 | | | | | |
| STD | 0 | 5.92 | | 33.958 | | 26.76 | 129.33 | 0.000 | | 1473.4 | | | | | | |
| STD | 10 | 5.87 | | 33.954 | | 26.77 | 129.09 | 0.013 | | 1473.4 | | | | | | |
| STD | 20 | 5.77 | | 33.953 | | 26.78 | 128.16 | 0.026 | | 1473.1 | | | | | | |
| STD | 30 | 5.71 | | 33.951 | | 26.78 | 127.64 | 0.039 | | 1473.0 | | | | | | |
| STD | 50 | 5.83 | | 34.031 | | 26.83 | 123.26 | 0.064 | | 1473.9 | | | | | | |
| STD | 75 | 5.47 | | 34.064 | | 26.90 | 116.96 | 0.094 | | 1472.9 | | | | | | |
| STD | 100 | 5.38 | | 34.078 | | 26.92 | 115.18 | 0.123 | | 1473.0 | | | | | | |
| STD | 125 | 5.16 | | 34.072 | | 26.94 | 113.36 | 0.151 | | 1472.5 | | | | | | |
| STD | 150 | 5.03 | | 34.084 | | 26.97 | 111.28 | 0.179 | | 1472.4 | | | | | | |
| STD | 200 | 4.72 | | 34.087 | | 27.01 | 108.22 | 0.234 | | 1472.0 | | | | | | |
| STD | 250 | 4.91 | | 34.166 | | 27.05 | 104.84 | 0.287 | | 1473.6 | | | | | | |
| STD | 300 | 4.71 | | 34.202 | | 27.10 | 100.56 | 0.339 | | 1473.7 | | | | | | |
| STD | 400 | 4.13 | | 34.229 | | 27.18 | 93.03 | 0.436 | | 1472.9 | | | | | | |
| STD | 500 | 3.64 | | 34.257 | | 27.25 | 86.57 | 0.525 | | 1472.6 | | | | | | |
| STD | 600 | 3.28 | | 34.297 | | 27.32 | 80.62 | 0.609 | | 1472.8 | | | | | | |
| STD | 700 | 2.89 | | 34.330 | | 27.38 | 74.84 | 0.687 | | 1472.8 | | | | | | |
| STD | 800 | 2.89 | | 34.408 | | 27.44 | 69.64 | 0.759 | | 1474.6 | | | | | | |
| STD | 900 | 2.47 | | 34.424 | | 27.49 | 64.69 | 0.826 | | 1474.5 | | | | | | |
| STD | 1000 | 2.51 | | 34.503 | | 27.55 | 59.74 | 0.888 | | 1476.4 | | | | | | |
| STD | 1100 | 2.37 | | 34.546 | | 27.60 | 55.62 | 0.946 | | 1477.5 | | | | | | |
| STD | 1200 | 2.39 | | 34.596 | | 27.64 | 52.68 | 1.000 | | 1479.4 | | | | | | |
| STD | 1300 | 2.34 | | 34.625 | | 27.67 | 50.49 | 1.052 | | 1480.9 | | | | | | |
| STD | 1400 | 2.29 | | 34.660 | | 27.70 | 47.83 | 1.101 | | 1482.4 | | | | | | |
| STD | 1500 | 2.25 | | 34.682 | | 27.72 | 46.25 | 1.148 | | 1483.9 | | | | | | |
| STD | 1750 | 2.09 | | 34.721 | | 27.76 | 42.72 | 1.259 | | 1487.5 | | | | | | |
| STD | 2000 | 1.93 | | 34.741 | | 27.79 | 40.35 | 1.363 | | 1491.1 | | | | | | |
| STD | 2250 | 1.76 | | 34.743 | | 27.81 | 39.12 | 1.462 | | 1494.6 | | | | | | |
| STD | 2500 | 1.55 | | 34.738 | | 27.82 | 37.72 | 1.558 | | 1498.0 | | | | | | |
| STD | 2750 | 1.35 | | 34.733 | | 27.83 | 36.22 | 1.651 | | 1501.5 | | | | | | |
| STD | 3000 | 1.18 | | 34.726 | | 27.83 | 34.94 | 1.740 | | 1505.0 | | | | | | |
| STD | 3250 | 1.05 | | 34.719 | | 27.84 | 34.22 | 1.826 | | 1508.8 | | | | | | |
| STD | 3500 | 0.97 | | 34.713 | | 27.84 | 33.92 | 1.911 | | 1512.9 | | | | | | |
| STD | 3750 | 0.90 | | 34.711 | | 27.84 | 33.46 | 1.996 | | 1516.9 | | | | | | |
| STD | 4000 | 0.84 | | 34.707 | | 27.84 | 33.30 | 2.079 | | 1521.1 | | | | | | |
| STD | 4250 | 0.82 | | 34.705 | | 27.84 | 33.40 | 2.163 | | 1525.5 | | | | | | |
| STD | 4500 | 0.82 | | 34.702 | | 27.84 | 33.82 | 2.247 | | 1529.9 | | | | | | |
| STD | 4750 | 0.81 | | 34.703 | | 27.84 | 34.00 | 2.331 | | 1534.4 | | | | | | |
| STD | 5000 | 0.80 | | 34.699 | | 27.84 | 34.49 | 2.417 | | 1538.8 | | | | | | |
| STD | 5125 | 0.78 | | 34.701 | | 27.84 | 34.03 | 2.460 | | 1541.0 | | | | | | |
| PING | 7 | | | | | | | | | | | | | | | |
| CCM2 | 768 | 2.85 | | 34.390 | | 27.43 | | | | | 470 | | | | | |
| CCM2 | 4693 | 0.81 | | 34.703 | | 27.84 | | | | | 493 | | | | | |
| CCM2 | 5122 | 0.79 | | 34.699 | | 27.84 | | | | | 508 | | | | | |



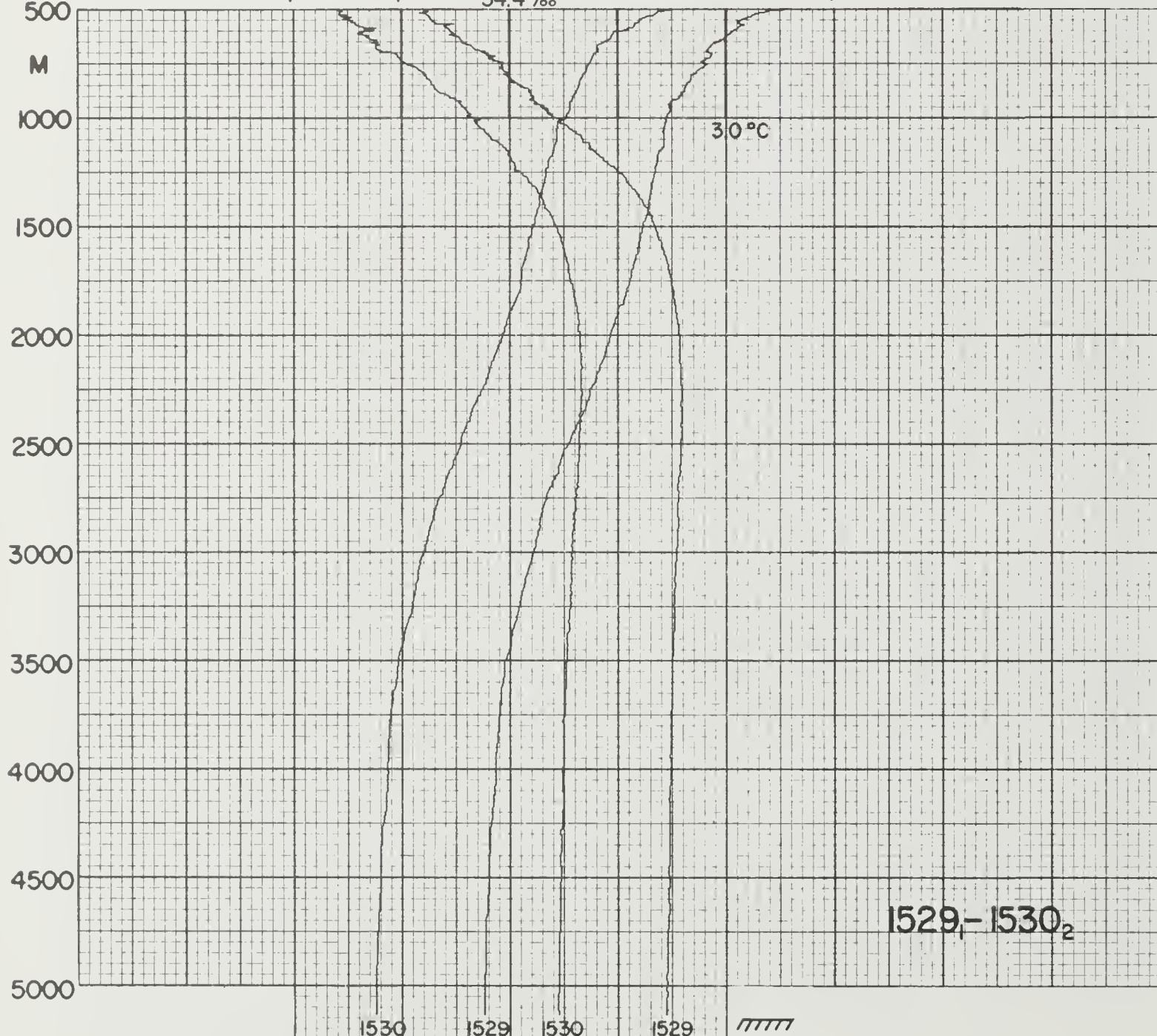
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1525 | 1 | 3 | 22 | 12 | 71 | 20.4 | 5801.5S | 16945.8E | 499 | 5161 | 5.1 | | 246 | 243 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| STD | 0 | 7.22 | | 34.102 | | 26.70 | | 134.87 | 0.000 | 1478.7 | | | | | | |
| STD | 10 | 7.22 | | 34.101 | | 26.70 | | 135.08 | 0.013 | 1478.9 | | | | | | |
| STD | 20 | 7.22 | | 34.101 | | 26.70 | | 135.28 | 0.027 | 1479.1 | | | | | | |
| STD | 30 | 7.22 | | 34.101 | | 26.70 | | 135.42 | 0.041 | 1479.2 | | | | | | |
| STD | 50 | 7.28 | | 34.146 | | 26.73 | | 133.13 | 0.067 | 1479.8 | | | | | | |
| STD | 75 | 7.14 | | 34.258 | | 26.84 | | 123.36 | 0.099 | 1479.9 | | | | | | |
| STD | 100 | 6.60 | | 34.224 | | 26.88 | | 119.09 | 0.130 | 1478.1 | | | | | | |
| STD | 125 | 6.55 | | 34.238 | | 26.90 | | 117.80 | 0.159 | 1478.3 | | | | | | |
| STD | 150 | 6.35 | | 34.212 | | 26.91 | | 117.61 | 0.189 | 1477.9 | | | | | | |
| STD | 200 | 6.26 | | 34.225 | | 26.93 | | 116.18 | 0.247 | 1478.4 | | | | | | |
| STD | 250 | 6.40 | | 34.271 | | 26.95 | | 115.26 | 0.305 | 1479.8 | | | | | | |
| STD | 300 | 6.34 | | 34.292 | | 26.97 | | 113.55 | 0.362 | 1480.4 | | | | | | |
| STD | 400 | 5.42 | | 34.225 | | 27.03 | | 108.15 | 0.473 | 1478.3 | | | | | | |
| STD | 500 | 4.89 | | 34.231 | | 27.10 | | 102.52 | 0.579 | 1477.8 | | | | | | |
| STD | 600 | 4.19 | | 34.245 | | 27.19 | | 94.37 | 0.677 | 1476.5 | | | | | | |
| STD | 700 | 3.51 | | 34.240 | | 27.25 | | 87.96 | 0.768 | 1475.3 | | | | | | |
| STD | 800 | 3.31 | | 34.296 | | 27.32 | | 82.40 | 0.853 | 1476.2 | | | | | | |
| STD | 900 | 3.08 | | 34.343 | | 27.38 | | 77.04 | 0.933 | 1476.9 | | | | | | |
| STD | 1000 | 2.80 | | 34.381 | | 27.43 | | 71.84 | 1.007 | 1477.5 | | | | | | |
| STD | 1100 | 2.62 | | 34.427 | | 27.48 | | 67.09 | 1.077 | 1478.4 | | | | | | |
| STD | 1200 | 2.56 | | 34.496 | | 27.54 | | 61.89 | 1.141 | 1479.9 | | | | | | |
| STD | 1300 | 2.52 | | 34.540 | | 27.58 | | 58.76 | 1.202 | 1481.5 | | | | | | |
| STD | 1400 | 2.42 | | 34.572 | | 27.62 | | 55.73 | 1.259 | 1482.8 | | | | | | |
| STD | 1500 | 2.41 | | 34.609 | | 27.65 | | 53.42 | 1.314 | 1484.5 | | | | | | |
| STD | 1750 | 2.27 | | 34.666 | | 27.70 | | 48.90 | 1.441 | 1488.2 | | | | | | |
| STD | 2000 | 2.13 | | 34.699 | | 27.74 | | 45.94 | 1.560 | 1491.9 | | | | | | |
| STD | 2250 | 1.95 | | 34.718 | | 27.77 | | 43.32 | 1.672 | 1495.4 | | | | | | |
| STD | 2500 | 1.76 | | 34.724 | | 27.79 | | 41.45 | 1.778 | 1498.9 | | | | | | |
| STD | 2750 | 1.56 | | 34.720 | | 27.80 | | 39.90 | 1.879 | 1502.4 | | | | | | |
| STD | 3000 | 1.38 | | 34.716 | | 27.81 | | 38.43 | 1.977 | 1505.9 | | | | | | |
| STD | 3250 | 1.22 | | 34.710 | | 27.82 | | 37.16 | 2.072 | 1509.5 | | | | | | |
| STD | 3500 | 1.11 | | 34.707 | | 27.82 | | 36.47 | 2.164 | 1513.5 | | | | | | |
| STD | 3750 | 0.99 | | 34.700 | | 27.83 | | 35.55 | 2.254 | 1517.3 | | | | | | |
| STD | 4000 | 0.91 | | 34.697 | | 27.83 | | 34.99 | 2.342 | 1521.4 | | | | | | |
| STD | 4250 | 0.85 | | 34.693 | | 27.83 | | 34.61 | 2.429 | 1525.6 | | | | | | |
| STD | 4500 | 0.81 | | 34.695 | | 27.83 | | 34.21 | 2.515 | 1529.9 | | | | | | |
| STD | 4750 | 0.77 | | 34.691 | | 27.83 | | 34.11 | 2.600 | 1534.2 | | | | | | |
| STD | 5000 | 0.76 | | 34.690 | | 27.83 | | 34.33 | 2.686 | 1538.6 | | | | | | |
| STD | 5168 | 0.75 | | 34.688 | | 27.83 | | 34.52 | 2.744 | 1541.6 | | | | | | |



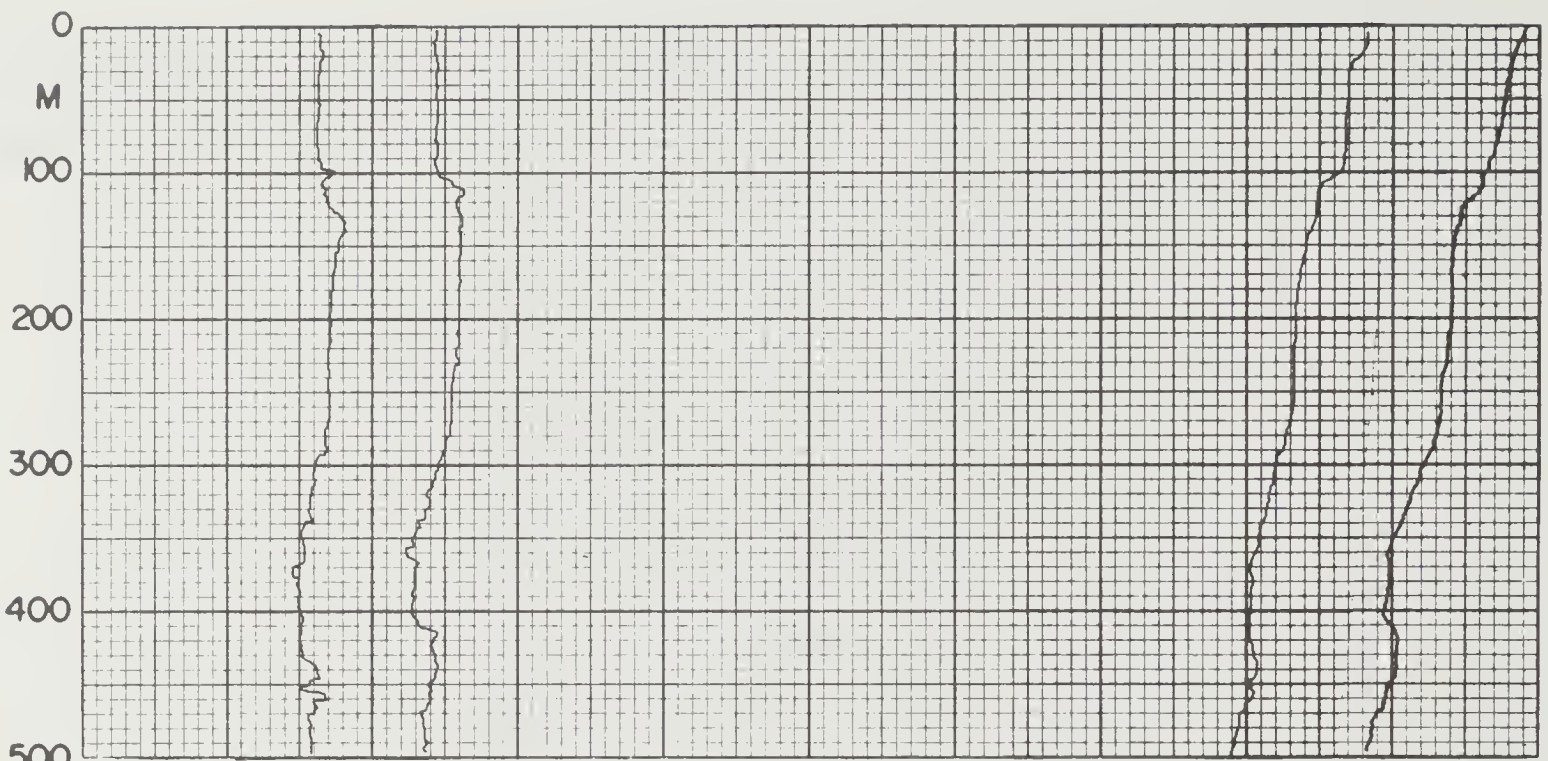
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------|-------------------------------|---------------------------------|-------------------|-----------------|-----|
| EL 50 | 1527 | 1 | 3 | 23 | 12 | 71 | 8.3 | 5700.2S | 16943.7E | 499 | 5337 | 4.6 | | 245 | 244 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | |
| STD | 0 | 7.58 | | 34.292 | | 26.80 | | 125.60 | 0.000 | 1480.4 | | | | | | |
| STD | 10 | 7.58 | | 34.292 | | 26.80 | | 125.79 | 0.013 | 1480.6 | | | | | | |
| STD | 20 | 7.59 | | 34.291 | | 26.80 | | 126.00 | 0.025 | 1480.7 | | | | | | |
| STD | 30 | 7.59 | | 34.291 | | 26.80 | | 126.21 | 0.038 | 1480.9 | | | | | | |
| STD | 50 | 7.59 | | 34.292 | | 26.80 | | 126.52 | 0.063 | 1481.2 | | | | | | |
| STD | 75 | 7.09 | | 34.311 | | 26.88 | | 118.79 | 0.094 | 1479.7 | | | | | | |
| STD | 100 | 6.72 | | 34.265 | | 26.90 | | 117.62 | 0.123 | 1478.6 | | | | | | |
| STD | 125 | 6.31 | | 34.236 | | 26.93 | | 114.92 | 0.152 | 1477.4 | | | | | | |
| STD | 150 | 6.26 | | 34.250 | | 26.95 | | 113.61 | 0.181 | 1477.6 | | | | | | |
| STD | 200 | 6.10 | | 34.237 | | 26.96 | | 113.18 | 0.238 | 1477.7 | | | | | | |
| STD | 250 | 6.06 | | 34.238 | | 26.97 | | 113.30 | 0.294 | 1478.4 | | | | | | |
| STD | 300 | 6.14 | | 34.263 | | 26.97 | | 113.24 | 0.351 | 1479.6 | | | | | | |
| STD | 400 | 5.76 | | 34.209 | | 26.98 | | 113.68 | 0.464 | 1479.7 | | | | | | |
| STD | 500 | 5.65 | | 34.297 | | 27.06 | | 106.88 | 0.575 | 1481.0 | | | | | | |
| STD | 600 | 4.55 | | 34.238 | | 27.14 | | 98.97 | 0.678 | 1478.0 | | | | | | |
| STD | 700 | 3.87 | | 34.267 | | 27.24 | | 89.88 | 0.772 | 1476.9 | | | | | | |
| STD | 800 | 3.41 | | 34.285 | | 27.30 | | 84.33 | 0.859 | 1476.6 | | | | | | |
| STD | 900 | 3.16 | | 34.318 | | 27.35 | | 79.74 | 0.941 | 1477.3 | | | | | | |
| STD | 1000 | 2.82 | | 34.369 | | 27.42 | | 72.98 | 1.017 | 1477.5 | | | | | | |
| STD | 1100 | 2.68 | | 34.442 | | 27.49 | | 66.55 | 1.087 | 1478.7 | | | | | | |
| STD | 1200 | 2.59 | | 34.485 | | 27.53 | | 63.01 | 1.152 | 1480.1 | | | | | | |
| STD | 1300 | 2.50 | | 34.540 | | 27.58 | | 58.53 | 1.213 | 1481.4 | | | | | | |
| STD | 1400 | 2.44 | | 34.583 | | 27.62 | | 55.19 | 1.270 | 1482.9 | | | | | | |
| STD | 1500 | 2.41 | | 34.610 | | 27.65 | | 53.38 | 1.324 | 1484.5 | | | | | | |
| STD | 1750 | 2.26 | | 34.679 | | 27.72 | | 47.72 | 1.450 | 1488.2 | | | | | | |
| STD | 2000 | 2.11 | | 34.714 | | 27.76 | | 44.69 | 1.566 | 1491.9 | | | | | | |
| STD | 2250 | 1.97 | | 34.731 | | 27.78 | | 42.62 | 1.675 | 1495.5 | | | | | | |
| STD | 2500 | 1.77 | | 34.733 | | 27.80 | | 40.92 | 1.779 | 1499.0 | | | | | | |
| STD | 2750 | 1.59 | | 34.732 | | 27.81 | | 39.37 | 1.880 | 1502.5 | | | | | | |
| STD | 3000 | 1.40 | | 34.729 | | 27.82 | | 37.84 | 1.976 | 1506.0 | | | | | | |
| STD | 3250 | 1.26 | | 34.725 | | 27.83 | | 36.76 | 2.069 | 1509.8 | | | | | | |
| STD | 3500 | 1.13 | | 34.718 | | 27.83 | | 35.87 | 2.160 | 1513.5 | | | | | | |
| STD | 3750 | 1.03 | | 34.716 | | 27.84 | | 35.11 | 2.249 | 1517.5 | | | | | | |
| STD | 4000 | 0.97 | | 34.712 | | 27.84 | | 34.79 | 2.336 | 1521.6 | | | | | | |
| STD | 4250 | 0.91 | | 34.713 | | 27.84 | | 34.20 | 2.423 | 1525.8 | | | | | | |
| STD | 4500 | 0.87 | | 34.707 | | 27.84 | | 34.38 | 2.508 | 1530.1 | | | | | | |
| STD | 4750 | 0.87 | | 34.705 | | 27.84 | | 34.73 | 2.595 | 1534.6 | | | | | | |
| STD | 5000 | 0.86 | | 34.705 | | 27.84 | | 35.01 | 2.682 | 1539.1 | | | | | | |
| STD | 5250 | 0.87 | | 34.705 | | 27.84 | | 35.50 | 2.770 | 1543.6 | | | | | | |
| STD | 5349 | 0.86 | | 34.702 | | 27.84 | | 35.58 | 2.805 | 1545.4 | | | | | | |
| PING | 27 | | | | | | | | | | | | | | | |
| CCM2 | 471 | 5.78 | | 34.300 | | 27.05 | | | | | | 598 | | | | |
| CCM2 | 1332 | 2.47 | | 34.559 | | 27.60 | | | | | | 442 | | | | |
| CCM2 | 2502 | 1.79 | | 34.740 | | 27.80 | | | | | | 499 | | | | |
| CCM2 | 3974 | 0.97 | | 34.710 | | 27.84 | | | | | | 507 | | | | |
| CCM2 | 5059 | 0.87 | | 34.703 | | 27.84 | | | | | | 507 | | | | |
| CCM2 | 5307 | 0.88 | | 34.701 | | 27.83 | | | | | | 507 | | | | |



→ 0.20‰ ← 34.4‰ → 1.0°C ←

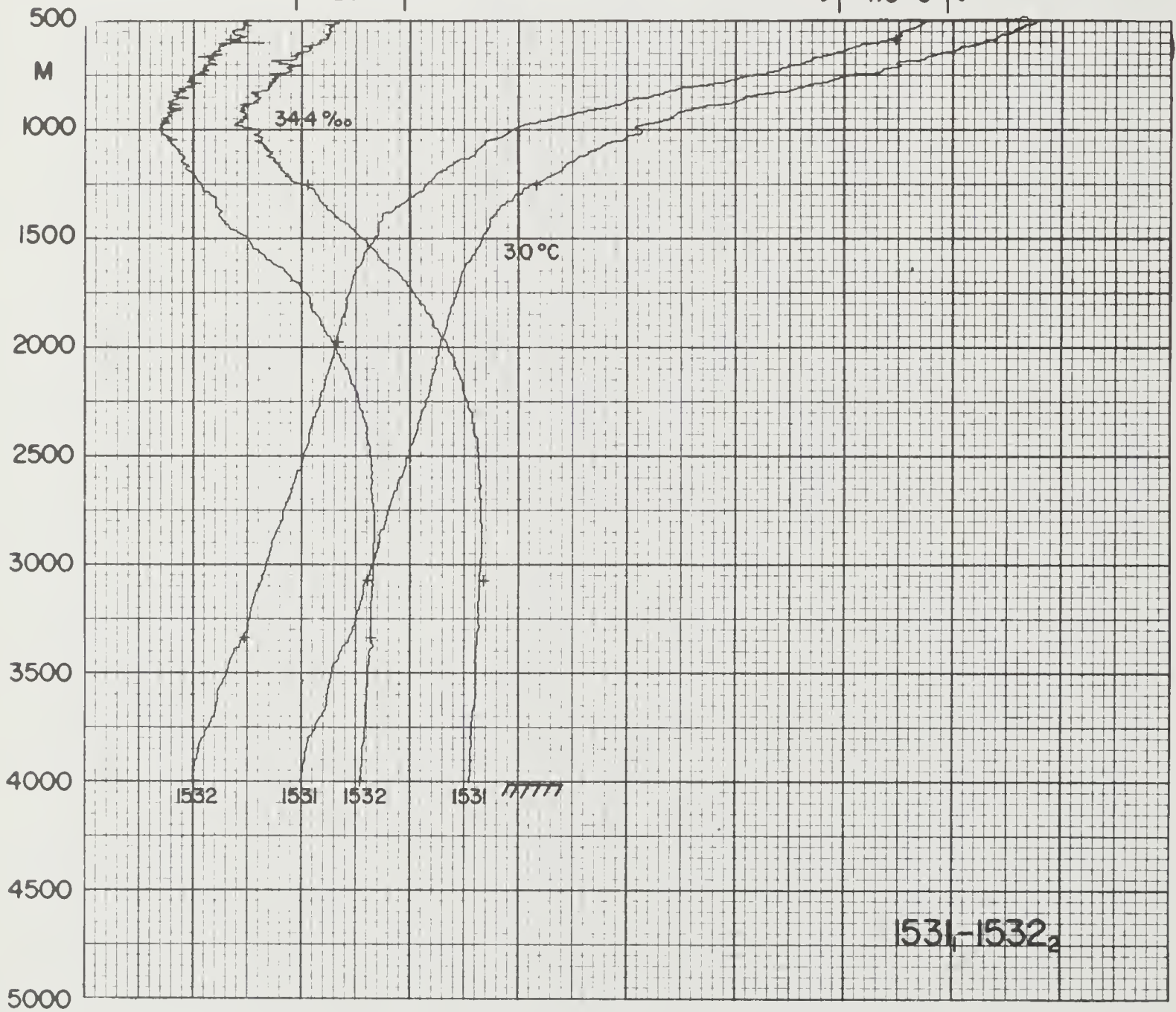


| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1529 | 1 | 3 | 26 | 12 | 71 | 12.1 | 5556.2S | 17000.0E | 499 | 5169 | 4.6 | | 205 | 204 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| STD | 0 | 6.79 | | 34.039 | | 26.71 | | 133.97 | 0.000 | 1477.0 | | | | | | |
| STD | 10 | 6.79 | | 34.039 | | 26.71 | | 134.06 | 0.013 | 1477.1 | | | | | | |
| STD | 20 | 6.79 | | 34.038 | | 26.71 | | 134.31 | 0.027 | 1477.3 | | | | | | |
| STD | 30 | 6.79 | | 34.040 | | 26.71 | | 134.34 | 0.040 | 1477.5 | | | | | | |
| STD | 50 | 6.81 | | 34.047 | | 26.72 | | 134.38 | 0.067 | 1477.9 | | | | | | |
| STD | 75 | 6.55 | | 34.029 | | 26.74 | | 132.74 | 0.101 | 1477.2 | | | | | | |
| STD | 100 | 4.78 | | 33.972 | | 26.91 | | 116.38 | 0.132 | 1470.4 | | | | | | |
| STD | 125 | 4.74 | | 33.974 | | 26.91 | | 116.09 | 0.161 | 1470.6 | | | | | | |
| STD | 150 | 4.48 | | 33.952 | | 26.93 | | 115.20 | 0.190 | 1469.9 | | | | | | |
| STD | 200 | 4.73 | | 34.052 | | 26.98 | | 110.83 | 0.246 | 1471.9 | | | | | | |
| STD | 250 | 4.76 | | 34.092 | | 27.01 | | 108.78 | 0.301 | 1472.9 | | | | | | |
| STD | 300 | 4.81 | | 34.186 | | 27.07 | | 102.78 | 0.354 | 1474.1 | | | | | | |
| STD | 400 | 4.24 | | 34.230 | | 27.17 | | 94.23 | 0.452 | 1473.4 | | | | | | |
| STD | 500 | 3.46 | | 34.234 | | 27.25 | | 86.43 | 0.543 | 1471.8 | | | | | | |
| STD | 600 | 3.11 | | 34.287 | | 27.33 | | 79.60 | 0.626 | 1472.0 | | | | | | |
| STD | 700 | 2.83 | | 34.341 | | 27.40 | | 73.42 | 0.702 | 1472.6 | | | | | | |
| STD | 800 | 2.74 | | 34.393 | | 27.45 | | 69.15 | 0.774 | 1473.9 | | | | | | |
| STD | 900 | 2.59 | | 34.439 | | 27.50 | | 64.79 | 0.841 | 1475.0 | | | | | | |
| STD | 1000 | 2.46 | | 34.480 | | 27.54 | | 60.94 | 0.903 | 1476.1 | | | | | | |
| STD | 1100 | 2.43 | | 34.534 | | 27.59 | | 57.11 | 0.962 | 1477.8 | | | | | | |
| STD | 1200 | 2.37 | | 34.574 | | 27.62 | | 54.11 | 1.018 | 1479.2 | | | | | | |
| STD | 1300 | 2.33 | | 34.617 | | 27.66 | | 50.97 | 1.071 | 1480.8 | | | | | | |
| STD | 1400 | 2.29 | | 34.648 | | 27.69 | | 48.76 | 1.120 | 1482.4 | | | | | | |
| STD | 1500 | 2.24 | | 34.668 | | 27.71 | | 47.23 | 1.168 | 1483.9 | | | | | | |
| STD | 1750 | 2.12 | | 34.699 | | 27.74 | | 44.75 | 1.283 | 1487.6 | | | | | | |
| STD | 2000 | 1.95 | | 34.715 | | 27.77 | | 42.51 | 1.392 | 1491.1 | | | | | | |
| STD | 2250 | 1.77 | | 34.719 | | 27.79 | | 40.95 | 1.497 | 1494.6 | | | | | | |
| STD | 2500 | 1.57 | | 34.719 | | 27.80 | | 39.28 | 1.597 | 1498.1 | | | | | | |
| STD | 2750 | 1.35 | | 34.713 | | 27.81 | | 37.59 | 1.693 | 1501.4 | | | | | | |
| STD | 3000 | 1.23 | | 34.711 | | 27.82 | | 36.80 | 1.786 | 1505.2 | | | | | | |
| STD | 3250 | 1.10 | | 34.705 | | 27.82 | | 35.87 | 1.877 | 1509.0 | | | | | | |
| STD | 3500 | 0.99 | | 34.702 | | 27.83 | | 34.92 | 1.965 | 1512.9 | | | | | | |
| STD | 3750 | 0.92 | | 34.701 | | 27.83 | | 34.48 | 2.052 | 1517.0 | | | | | | |
| STD | 4000 | 0.88 | | 34.700 | | 27.83 | | 34.37 | 2.138 | 1521.3 | | | | | | |
| STD | 4250 | 0.84 | | 34.698 | | 27.83 | | 34.19 | 2.224 | 1525.5 | | | | | | |
| STD | 4500 | 0.82 | | 34.697 | | 27.84 | | 34.21 | 2.309 | 1529.9 | | | | | | |
| STD | 4750 | 0.79 | | 34.695 | | 27.84 | | 34.21 | 2.395 | 1534.3 | | | | | | |
| STD | 5000 | 0.78 | | 34.693 | | 27.83 | | 34.48 | 2.481 | 1538.7 | | | | | | |
| STD | 5148 | 0.78 | | 34.693 | | 27.83 | | 34.62 | 2.532 | 1541.4 | | | | | | |
| PING | 27 | | | | | | | | | | | | | | | |

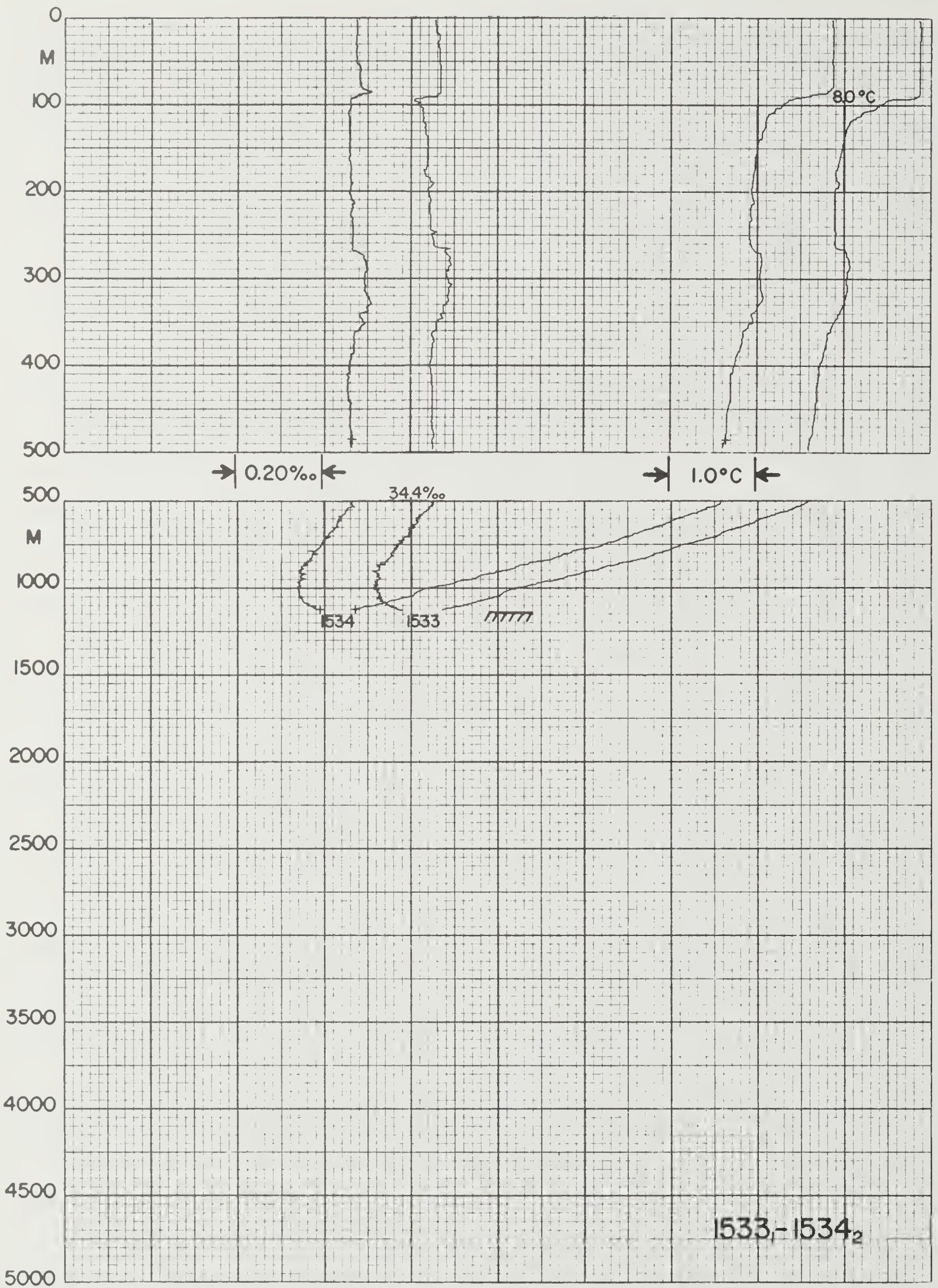


→ 0.20‰ ←

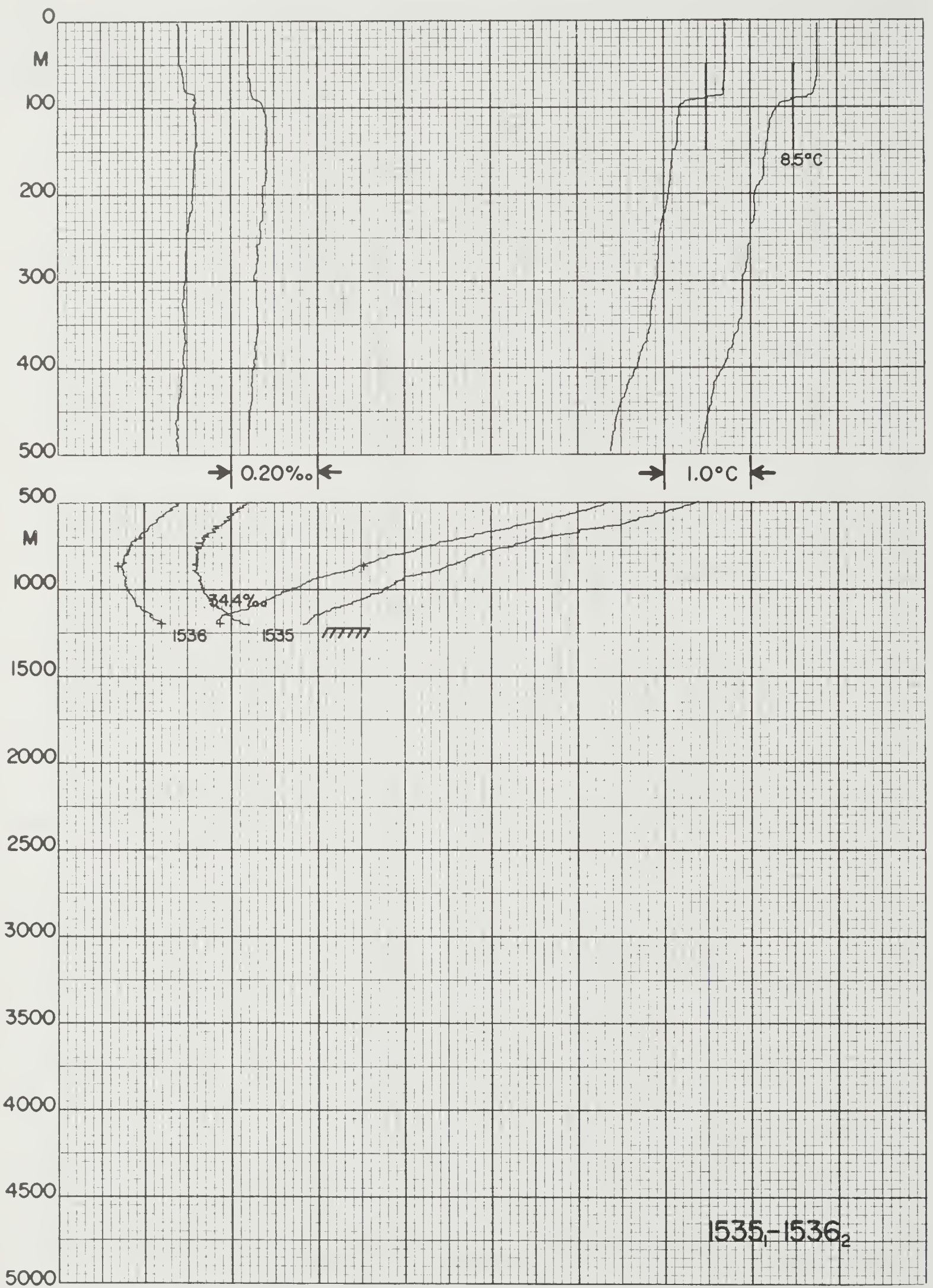
→ 1.0°C ←



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 50 | 1531 | 1 | 3 | 27 | 12 | 71 | 7.3 | 5459.1S | 17003.7E | 498 | 3967 | 6.2 | | 112 | 142 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| COM1 | 1263 | 3.18 | | 34.415 | | 27.42 | | | | | 461 | | | | | |
| COM1 | 3089 | 1.63 | | 34.740 | | 27.81 | | | | | 470 | | | | | |
| STD | 0 | 8.90 | | 34.487 | | 26.75 | | 129.99 | 0.000 | 1485.7 | | | | | | |
| STD | 10 | 8.89 | | 34.487 | | 26.75 | | 130.18 | 0.013 | 1485.8 | | | | | | |
| STD | 20 | 8.83 | | 34.486 | | 26.76 | | 129.45 | 0.026 | 1485.7 | | | | | | |
| STD | 30 | 8.80 | | 34.490 | | 26.77 | | 128.95 | 0.039 | 1485.8 | | | | | | |
| STD | 50 | 8.76 | | 34.488 | | 26.78 | | 128.95 | 0.065 | 1486.0 | | | | | | |
| STD | 75 | 8.72 | | 34.487 | | 26.78 | | 128.81 | 0.097 | 1486.2 | | | | | | |
| STD | 100 | 8.64 | | 34.489 | | 26.80 | | 127.96 | 0.129 | 1486.3 | | | | | | |
| STD | 125 | 8.49 | | 34.516 | | 26.84 | | 124.16 | 0.161 | 1486.2 | | | | | | |
| STD | 150 | 8.42 | | 34.522 | | 26.86 | | 123.18 | 0.191 | 1486.4 | | | | | | |
| STD | 200 | 8.40 | | 34.520 | | 26.86 | | 123.87 | 0.253 | 1487.1 | | | | | | |
| STD | 250 | 8.34 | | 34.511 | | 26.86 | | 124.59 | 0.315 | 1487.7 | | | | | | |
| STD | 300 | 8.23 | | 34.493 | | 26.86 | | 125.18 | 0.378 | 1488.1 | | | | | | |
| STC | 400 | 7.96 | | 34.456 | | 26.87 | | 125.55 | 0.503 | 1488.6 | | | | | | |
| STC | 500 | 7.84 | | 34.477 | | 26.91 | | 123.99 | 0.628 | 1489.8 | | | | | | |
| STD | 600 | 7.38 | | 34.446 | | 26.95 | | 121.03 | 0.750 | 1489.7 | | | | | | |
| STD | 700 | 6.52 | | 34.354 | | 27.00 | | 116.96 | 0.869 | 1487.8 | | | | | | |
| STD | 800 | 5.75 | | 34.346 | | 27.09 | | 108.39 | 0.982 | 1486.4 | | | | | | |
| STD | 900 | 4.76 | | 34.296 | | 27.17 | | 100.23 | 1.086 | 1484.0 | | | | | | |
| STC | 1000 | 4.10 | | 34.293 | | 27.24 | | 93.21 | 1.183 | 1482.9 | | | | | | |
| STD | 1100 | 3.74 | | 34.336 | | 27.31 | | 86.63 | 1.273 | 1483.1 | | | | | | |
| STD | 1200 | 3.41 | | 34.365 | | 27.36 | | 81.26 | 1.357 | 1483.4 | | | | | | |
| STD | 1300 | 3.05 | | 34.426 | | 27.45 | | 73.15 | 1.434 | 1483.6 | | | | | | |
| STC | 1400 | 2.80 | | 34.462 | | 27.50 | | 68.24 | 1.505 | 1484.3 | | | | | | |
| STD | 1500 | 2.69 | | 34.508 | | 27.54 | | 64.06 | 1.571 | 1485.6 | | | | | | |
| STD | 1750 | 2.46 | | 34.606 | | 27.64 | | 55.48 | 1.720 | 1488.9 | | | | | | |
| STD | 2000 | 2.30 | | 34.671 | | 27.71 | | 50.07 | 1.852 | 1492.6 | | | | | | |
| STD | 2250 | 2.17 | | 34.707 | | 27.74 | | 47.02 | 1.974 | 1496.4 | | | | | | |
| STD | 2500 | 2.01 | | 34.729 | | 27.78 | | 44.35 | 2.088 | 1500.0 | | | | | | |
| STD | 2750 | 1.83 | | 34.734 | | 27.79 | | 42.52 | 2.197 | 1503.5 | | | | | | |
| STC | 3000 | 1.69 | | 34.734 | | 27.80 | | 41.48 | 2.302 | 1507.3 | | | | | | |
| STD | 3250 | 1.52 | | 34.731 | | 27.81 | | 40.03 | 2.403 | 1510.9 | | | | | | |
| STD | 3500 | 1.30 | | 34.725 | | 27.83 | | 37.93 | 2.501 | 1514.3 | | | | | | |
| STD | 3750 | 1.16 | | 34.718 | | 27.83 | | 36.81 | 2.594 | 1518.1 | | | | | | |
| STC | 4000 | 1.02 | | 34.715 | | 27.84 | | 35.43 | 2.685 | 1521.9 | | | | | | |
| STD | 4019 | 1.01 | | 34.714 | | 27.84 | | 35.39 | 2.691 | 1522.1 | | | | | | |
| PING | 9 | | | | | | | | | | | | | | | |
| CCM2 | 598 | 7.49 | | 34.469 | | 26.95 | | | | | 562 | | | | | |
| CCM2 | 1991 | 2.35 | | 34.667 | | 27.70 | | | | | 420 | | | | | |
| CCM2 | 3355 | 1.49 | | 34.731 | | 27.82 | | | | | 464 | | | | | |
| CCM2 | 4015 | 1.02 | | 34.712 | | 27.83 | | | | | 495 | | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------|-------------------------------|---------------------------------|-------------------|-----------------|-----|
| EL 50 | 1533 | 1 | 3 | 27 | 12 | 71 | 18.7 | 5401.8S | 16959.4E | 499 | 1142 | 7.1 | | 35 | 33 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | |
| STD | 0 | 8.86 | | 34.455 | | 26.73 | | 131.92 | 0.000 | 1485.5 | | | | | | |
| STD | 10 | 8.87 | | 34.457 | | 26.73 | | 132.06 | 0.013 | 1485.7 | | | | | | |
| STD | 20 | 8.88 | | 34.462 | | 26.74 | | 132.02 | 0.026 | 1485.9 | | | | | | |
| STD | 30 | 8.87 | | 34.463 | | 26.74 | | 132.08 | 0.040 | 1486.0 | | | | | | |
| STD | 50 | 8.87 | | 34.466 | | 26.74 | | 132.22 | 0.066 | 1486.4 | | | | | | |
| STD | 75 | 8.87 | | 34.468 | | 26.74 | | 132.51 | 0.099 | 1486.8 | | | | | | |
| STD | 100 | 8.44 | | 34.420 | | 26.77 | | 130.06 | 0.132 | 1485.5 | | | | | | |
| STD | 125 | 8.05 | | 34.434 | | 26.84 | | 123.76 | 0.164 | 1484.4 | | | | | | |
| STD | 150 | 7.98 | | 34.439 | | 26.86 | | 122.82 | 0.195 | 1484.6 | | | | | | |
| STD | 200 | 7.90 | | 34.440 | | 26.87 | | 122.43 | 0.256 | 1485.1 | | | | | | |
| STD | 250 | 7.90 | | 34.454 | | 26.88 | | 122.38 | 0.317 | 1486.0 | | | | | | |
| STD | 300 | 8.04 | | 34.484 | | 26.88 | | 122.90 | 0.378 | 1487.3 | | | | | | |
| STD | 400 | 7.73 | | 34.447 | | 26.90 | | 122.92 | 0.501 | 1487.7 | | | | | | |
| STD | 500 | 7.60 | | 34.454 | | 26.93 | | 122.07 | 0.624 | 1488.9 | | | | | | |
| STD | 600 | 7.15 | | 34.421 | | 26.96 | | 119.54 | 0.745 | 1488.8 | | | | | | |
| STD | 700 | 6.59 | | 34.398 | | 27.02 | | 114.75 | 0.862 | 1488.2 | | | | | | |
| STD | 800 | 5.94 | | 34.360 | | 27.08 | | 109.79 | 0.974 | 1487.2 | | | | | | |
| STD | 900 | 5.21 | | 34.329 | | 27.14 | | 103.57 | 1.081 | 1485.8 | | | | | | |
| STD | 1000 | 4.38 | | 34.323 | | 27.23 | | 94.44 | 1.180 | 1484.1 | | | | | | |
| STD | 1100 | 3.71 | | 34.345 | | 27.32 | | 85.59 | 1.270 | 1483.0 | | | | | | |
| STD | 1142 | 3.37 | | 34.381 | | 27.38 | | 79.15 | 1.304 | 1482.3 | | | | | | |
| PING | 12 | | | | | | | | | | | | | | | |
| CCM2 | 488 | 7.65 | | 34.466 | | 26.93 | | | | | | 585 | | | | |
| CCM2 | 1134 | 3.37 | | 34.391 | | 27.39 | | | | | | 461 | | | | |



| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 50 | 1535 | 1 | 3 | 28 | 12 | 71 | 14.8 | 5300.0S | 17359.0E | 498 | 1225 | 9.1 | | 16 | 24 | |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| STD | 0 | 8.76 | | 34.438 | | 26.74 | | 131.74 | 0.000 | 1485.1 | | | | | | |
| STD | 10 | 8.76 | | 34.438 | | 26.74 | | 131.89 | 0.013 | 1485.3 | | | | | | |
| STD | 20 | 8.76 | | 34.438 | | 26.74 | | 132.06 | 0.026 | 1485.4 | | | | | | |
| STD | 30 | 8.76 | | 34.437 | | 26.74 | | 132.25 | 0.040 | 1485.6 | | | | | | |
| STD | 50 | 8.76 | | 34.438 | | 26.74 | | 132.57 | 0.066 | 1485.9 | | | | | | |
| STD | 75 | 8.74 | | 34.443 | | 26.74 | | 132.33 | 0.099 | 1486.2 | | | | | | |
| STD | 100 | 8.31 | | 34.472 | | 26.83 | | 124.32 | 0.131 | 1485.1 | | | | | | |
| STD | 125 | 8.21 | | 34.481 | | 26.86 | | 122.57 | 0.162 | 1485.1 | | | | | | |
| STD | 150 | 8.16 | | 34.481 | | 26.86 | | 122.39 | 0.193 | 1485.3 | | | | | | |
| STD | 200 | 8.04 | | 34.472 | | 26.87 | | 122.09 | 0.254 | 1485.7 | | | | | | |
| STD | 250 | 7.99 | | 34.467 | | 26.88 | | 122.62 | 0.315 | 1486.3 | | | | | | |
| STD | 300 | 7.90 | | 34.459 | | 26.89 | | 122.77 | 0.376 | 1486.8 | | | | | | |
| STD | 400 | 7.68 | | 34.452 | | 26.91 | | 121.80 | 0.499 | 1487.5 | | | | | | |
| STD | 500 | 7.42 | | 34.439 | | 26.94 | | 120.53 | 0.620 | 1488.2 | | | | | | |
| STD | 600 | 6.71 | | 34.394 | | 27.00 | | 115.20 | 0.738 | 1487.0 | | | | | | |
| STD | 700 | 5.72 | | 34.339 | | 27.09 | | 107.26 | 0.849 | 1484.6 | | | | | | |
| STD | 800 | 4.89 | | 34.323 | | 27.17 | | 98.82 | 0.952 | 1482.9 | | | | | | |
| STD | 900 | 4.38 | | 34.313 | | 27.22 | | 94.29 | 1.049 | 1482.4 | | | | | | |
| STD | 1000 | 3.78 | | 34.333 | | 27.30 | | 86.50 | 1.139 | 1481.6 | | | | | | |
| STD | 1100 | 3.33 | | 34.357 | | 27.36 | | 80.26 | 1.222 | 1481.4 | | | | | | |
| STD | 1200 | 2.88 | | 34.421 | | 27.46 | | 70.98 | 1.298 | 1481.2 | | | | | | |
| STD | 1214 | 2.83 | | 34.439 | | 27.48 | | 69.07 | 1.308 | 1481.3 | | | | | | |
| CCM2 | 873 | 4.53 | | 34.337 | | 27.22 | | | | | | | | | | |
| CCM2 | 1203 | 2.87 | | 34.437 | | 27.47 | | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 52 | 1537 | 0 | | 29 | 2 | 72 | 21.C | 78C4.3S | 17957.4W | 569 | 691 | -5.6 | | 155 | 133 | 12 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 1 | -1.54 | | 34.320 | | 27.64 | | | | 1441.2 | 818 | | | | | |
| OBS | 45 | -1.52 | | 34.315 | | 27.64 | | | | 1442.0 | 811 | | | | | |
| OBS | 89 | -1.53 | | 34.321 | | 27.64 | | | | 1442.7 | 821 | | | | | |
| OBS | 132 | -1.62 | | 34.329 | | 27.65 | | | | 1443.0 | 783 | | | | | |
| OBS | 176 | -1.47 | | 34.441 | | 27.74 | | | | 1444.6 | 689 | | | | | |
| OBS | 265 | -1.61 | | 34.559 | | 27.84 | | | | 1445.6 | 648 | | | | | |
| OBS | 297 | -1.75 | | 34.578 | | 27.86 | | | | 1445.5 | 649 | | | | | |
| OBS | 330 | -1.90 | | 34.599 | | 27.88 | | | | 1445.4 | 665 | | | | | |
| OBS | 363 | -1.87 | | 34.620 | | 27.89 | | | | 1446.1 | 670 | | | | | |
| OBS | 394 | -1.92 | | 34.639 | | 27.91 | | | | 1446.4 | 660 | | | | | |
| OBS | 502 | -2.00 | | 34.783 | | 28.03 | | | | 1448.0 | 662 | | | | | |
| OBS | 600 | -1.94 | | 34.837 | | 28.07 | | | | 1450.0 | 663 | | | | | |
| ISL | 0 | -1.54 | | 34.320 | | 27.64 | | 46.03 | 0.000 | 1441.2 | | | | | | |
| ISL | 10 | -1.53 | | 34.318 | | 27.64 | | 46.12 | 0.005 | 1441.4 | | | | | | |
| ISL | 20 | -1.53 | | 34.317 | | 27.64 | | 46.22 | 0.009 | 1441.6 | | | | | | |
| ISL | 30 | -1.52 | | 34.316 | | 27.64 | | 46.24 | 0.014 | 1441.8 | | | | | | |
| ISL | 50 | -1.52 | | 34.315 | | 27.64 | | 46.18 | 0.023 | 1442.1 | | | | | | |
| ISL | 75 | -1.52 | | 34.319 | | 27.64 | | 45.78 | 0.035 | 1442.5 | | | | | | |
| ISL | 100 | -1.55 | | 34.323 | | 27.64 | | 45.25 | 0.046 | 1442.8 | | | | | | |
| ISL | 125 | -1.61 | | 34.327 | | 27.65 | | 44.62 | 0.057 | 1442.9 | | | | | | |
| ISL | 150 | -1.57 | | 34.377 | | 27.69 | | 40.75 | 0.068 | 1443.6 | | | | | | |
| ISL | 200 | -1.45 | | 34.486 | | 27.77 | | 32.56 | 0.086 | 1445.1 | | | | | | |
| ISL | 250 | -1.56 | | 34.546 | | 27.82 | | 27.35 | 0.101 | 1445.6 | | | | | | |
| ISL | 300 | -1.76 | | 34.580 | | 27.86 | | 23.83 | 0.114 | 1445.5 | | | | | | |
| ISL | 400 | -1.93 | | 34.645 | | 27.91 | | 17.73 | 0.135 | 1446.5 | | | | | | |
| ISL | 500 | -2.00 | | 34.781 | | 28.03 | | 6.54 | 0.147 | 1448.0 | | | | | | |
| ISL | 600 | -1.94 | | 34.837 | | 28.07 | | 1.96 | 0.151 | 1450.0 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-------|--------------|-----------------|----------------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|-----|
| EL 52 | 1538 | 0 | | 1 | 3 | 72 | 0.0 | 7756.9S | 17951.2W | 569 | 679 | -2.3 | | 125 | 103 | 12 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | | |
| OBS | 1 | -1.37 | | 34.364 | | 27.67 | | | | 1442.1 | 832 | | | | | |
| OBS | 51 | -1.37 | | 34.371 | | 27.68 | | | | 1442.9 | 821 | | | | | |
| OBS | 101 | -1.25 | | 34.441 | | 27.73 | | | | 1444.4 | 749 | | | | | |
| OBS | 151 | -1.33 | | 34.502 | | 27.78 | | | | 1444.9 | 662 | | | | | |
| OBS | 201 | -1.17 | | 34.551 | | 27.82 | | | | 1446.6 | 619 | | | | | |
| OBS | 301 | -1.79 | | 34.575 | | 27.85 | | | | 1445.4 | 654 | | | | | |
| OBS | 401 | -1.90 | | 34.627 | | 27.90 | | | | 1446.6 | 661 | | | | | |
| OBS | 451 | -2.04 | | 34.693 | | 27.96 | | | | 1446.8 | 656 | | | | | |
| OBS | 501 | -2.06 | | 34.740 | | 27.99 | | | | 1447.6 | 661 | | | | | |
| OBS | 551 | -1.97 | | 34.803 | | 28.04 | | | | 1449.0 | 636 | | | | | |
| OBS | 601 | -1.92 | | 34.837 | | 28.07 | | | | 1450.1 | 661 | | | | | |
| OBS | 651 | -1.90 | | 34.865 | | 28.09 | | | | 1451.1 | 653 | | | | | |
| PING | 26 | | | | | | | | | | | | | | | |
| ISL | 0 | -1.37 | | 34.364 | | 27.67 | 43.13 | 0.000 | | 1442.1 | | | | | | |
| ISL | 10 | -1.37 | | 34.362 | | 27.67 | 43.24 | 0.004 | | 1442.2 | | | | | | |
| ISL | 20 | -1.38 | | 34.361 | | 27.67 | 43.26 | 0.009 | | 1442.4 | | | | | | |
| ISL | 30 | -1.37 | | 34.362 | | 27.67 | 43.12 | 0.013 | | 1442.5 | | | | | | |
| ISL | 50 | -1.37 | | 34.370 | | 27.68 | 42.39 | 0.022 | | 1442.9 | | | | | | |
| ISL | 75 | -1.32 | | 34.405 | | 27.70 | 39.78 | 0.032 | | 1443.6 | | | | | | |
| ISL | 100 | -1.25 | | 34.440 | | 27.73 | 37.24 | 0.041 | | 1444.4 | | | | | | |
| ISL | 125 | -1.28 | | 34.472 | | 27.76 | 34.58 | 0.050 | | 1444.7 | | | | | | |
| ISL | 150 | -1.33 | | 34.501 | | 27.78 | 32.07 | 0.059 | | 1444.9 | | | | | | |
| ISL | 200 | -1.17 | | 34.550 | | 27.81 | 28.71 | 0.074 | | 1446.6 | | | | | | |
| ISL | 250 | -1.52 | | 34.559 | | 27.83 | 26.48 | 0.088 | | 1445.8 | | | | | | |
| ISL | 300 | -1.79 | | 34.575 | | 27.85 | 24.16 | 0.100 | | 1445.3 | | | | | | |
| ISL | 400 | -1.90 | | 34.626 | | 27.90 | 19.29 | 0.122 | | 1446.6 | | | | | | |
| ISL | 500 | -2.06 | | 34.739 | | 27.99 | 9.54 | 0.137 | | 1447.6 | | | | | | |
| ISL | 600 | -1.92 | | 34.836 | | 28.07 | 2.09 | 0.142 | | 1450.1 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 52 | 1539 | 0 | | 7 | 3 | 72 | 9.2 | 7700.0S | 18000.0W | 569 | 699 | -8.3 | | 178 | 184 | 12 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | -0.69 | 34.424 | 27.69 | | | 1445.3 | 781 | | | | | | | | |
| OBS | 41 | -1.14 | 34.418 | 27.71 | | | 1443.9 | 775 | | | | | | | | |
| OBS | 91 | -0.73 | 34.578 | 27.82 | | | 1446.9 | 597 | | | | | | | | |
| OBS | 141 | -1.14 | 34.579 | 27.84 | | | 1445.8 | 614 | | | | | | | | |
| OBS | 191 | -1.68 | 34.581 | 27.86 | | | 1444.1 | 647 | | | | | | | | |
| OBS | 291 | -1.86 | 34.624 | 27.90 | | | 1444.9 | 674 | | | | | | | | |
| OBS | 391 | -1.80 | 34.709 | 27.96 | | | 1447.0 | 641 | | | | | | | | |
| OBS | 491 | -1.97 | 34.794 | 28.04 | | | 1448.0 | 652 | | | | | | | | |
| OBS | 541 | -1.95 | 34.834 | 28.07 | | | 1449.0 | 655 | | | | | | | | |
| OBS | 591 | -1.94 | 34.850 | 28.08 | | | 1449.9 | 658 | | | | | | | | |
| OBS | 641 | -1.90 | 34.873 | 28.10 | | | 1450.9 | 656 | | | | | | | | |
| OBS | 691 | -1.91 | 34.881 | 28.10 | | | 1451.7 | 658 | | | | | | | | |
| PING | 10 | | | | | | | | | | | | | | | |
| ISL | 0 | -0.69 | 34.424 | 27.69 | 40.88 | 0.000 | 1445.3 | | | | | | | | | |
| ISL | 10 | -0.83 | 34.417 | 27.69 | 40.88 | 0.004 | 1444.8 | | | | | | | | | |
| ISL | 20 | -0.96 | 34.413 | 27.70 | 40.70 | 0.008 | 1444.4 | | | | | | | | | |
| ISL | 30 | -1.04 | 34.416 | 27.70 | 40.10 | 0.012 | 1444.2 | | | | | | | | | |
| ISL | 50 | -1.13 | 34.436 | 27.72 | 38.18 | 0.020 | 1444.1 | | | | | | | | | |
| ISL | 75 | -0.79 | 34.539 | 27.79 | 31.51 | 0.029 | 1446.2 | | | | | | | | | |
| ISL | 100 | -0.74 | 34.578 | 27.82 | 28.59 | 0.036 | 1446.9 | | | | | | | | | |
| ISL | 125 | -0.99 | 34.579 | 27.83 | 27.50 | 0.043 | 1446.2 | | | | | | | | | |
| ISL | 150 | -1.23 | 34.579 | 27.84 | 26.46 | 0.050 | 1445.5 | | | | | | | | | |
| ISL | 200 | -1.75 | 34.583 | 27.86 | 24.21 | 0.063 | 1443.9 | | | | | | | | | |
| ISL | 250 | -1.84 | 34.601 | 27.88 | 22.26 | 0.074 | 1444.3 | | | | | | | | | |
| ISL | 300 | -1.86 | 34.632 | 27.90 | 19.54 | 0.085 | 1445.1 | | | | | | | | | |
| ISL | 400 | -1.81 | 34.717 | 27.97 | 12.70 | 0.101 | 1447.1 | | | | | | | | | |
| ISL | 500 | -1.97 | 34.801 | 28.04 | 5.11 | 0.110 | 1448.2 | | | | | | | | | |
| ISL | 600 | -1.93 | 34.854 | 28.08 | 0.72 | 0.113 | 1450.1 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|--------|-------------------------------|---------------------------------|-------------------|-----------------|-----|
| EL 52 | 1540 | 0 | | 9 | 3 | 72 | 2.3 | 7321.1S | 17656.7E | 57C | 532 | -1.6 | | 74 | 163 | 10 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | |
| OBS | 1 | -1.03 | | 34.376 | | 27.67 | | | | 1443.7 | | 773 | | | | |
| OBS | 32 | -1.04 | | 34.380 | | 27.67 | | | | 1444.2 | | 776 | | | | |
| OBS | 81 | -0.56 | | 34.450 | | 27.71 | | | | 1447.3 | | 696 | | | | |
| OBS | 130 | -0.55 | | 34.640 | | 27.86 | | | | 1448.4 | | 556 | | | | |
| OBS | 179 | -1.20 | | 34.645 | | 27.89 | | | | 1446.2 | | 591 | | | | |
| OBS | 278 | -1.90 | | 34.809 | | 28.05 | | | | 1444.8 | | 647 | | | | |
| OBS | 378 | -1.91 | | 34.852 | | 28.08 | | | | 1446.5 | | 652 | | | | |
| OBS | 428 | -1.90 | | 34.867 | | 28.09 | | | | 1447.4 | | 652 | | | | |
| OBS | 478 | -1.91 | | 34.875 | | 28.10 | | | | 1448.2 | | 654 | | | | |
| OBS | 518 | -1.90 | | 34.874 | | 28.10 | | | | 1448.9 | | 653 | | | | |
| PING | 11 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | -1.03 | | 34.376 | | 27.67 | | 43.30 | 0.000 | | 1443.7 | | | | | |
| ISL | 10 | -1.05 | | 34.374 | | 27.67 | | 43.39 | 0.004 | | 1443.8 | | | | | |
| ISL | 20 | -1.05 | | 34.374 | | 27.67 | | 43.28 | 0.009 | | 1443.9 | | | | | |
| ISL | 30 | -1.05 | | 34.379 | | 27.67 | | 42.93 | 0.013 | | 1444.1 | | | | | |
| ISL | 50 | -0.89 | | 34.392 | | 27.68 | | 42.41 | 0.022 | | 1445.2 | | | | | |
| ISL | 75 | -0.59 | | 34.436 | | 27.70 | | 40.16 | 0.032 | | 1447.0 | | | | | |
| ISL | 100 | -0.49 | | 34.512 | | 27.76 | | 34.77 | 0.041 | | 1448.0 | | | | | |
| ISL | 125 | -0.52 | | 34.628 | | 27.85 | | 25.69 | 0.049 | | 1448.4 | | | | | |
| ISL | 150 | -0.84 | | 34.636 | | 27.87 | | 23.65 | 0.055 | | 1447.4 | | | | | |
| ISL | 200 | -1.41 | | 34.670 | | 27.92 | | 18.66 | 0.066 | | 1445.6 | | | | | |
| ISL | 250 | -1.78 | | 34.773 | | 28.01 | | 9.27 | 0.072 | | 1444.9 | | | | | |
| ISL | 300 | -1.92 | | 34.825 | | 28.06 | | 4.67 | 0.076 | | 1445.1 | | | | | |
| ISL | 400 | -1.91 | | 34.859 | | 28.09 | | 1.49 | 0.079 | | 1446.9 | | | | | |
| ISL | 500 | -1.91 | | 34.875 | | 28.10 | | -0.26 | 0.080 | | 1448.6 | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|------------------------|----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|-----|
| EL 52 | 1541 | 0 | | 9 | 3 | 72 | 6.2 | 7255.1S | 17720.0E | 570 | 1210 | -1.9 | | 184 | 193 | 14 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | |
| OBS | 1 | -1.16 | 34.269 | | 27.59 | | | | 1442.9 | 786 | | | | | | |
| OBS | 50 | -1.13 | 34.278 | | 27.59 | | | | 1443.9 | 784 | | | | | | |
| OBS | 98 | -1.03 | 34.315 | | 27.62 | | | | 1445.2 | 753 | | | | | | |
| OBS | 147 | -0.21 | 34.545 | | 27.77 | | | | 1450.1 | 571 | | | | | | |
| OBS | 196 | 0.09 | 34.596 | | 27.80 | | | | 1452.4 | 510 | | | | | | |
| OBS | 293 | 0.54 | 34.655 | | 27.82 | | | | 1456.1 | 495 | | | | | | |
| OBS | 488 | 0.90 | 34.704 | | 27.84 | | | | 1461.0 | 465 | | | | | | |
| OBS | 683 | 0.70 | 34.699 | | 27.84 | | | | 1463.4 | 483 | | | | | | |
| OBS | 878 | 0.38 | 34.702 | | 27.87 | | | | 1465.2 | 504 | | | | | | |
| OBS | 977 | 0.23 | 34.699 | | 27.87 | | | | 1466.2 | 512 | | | | | | |
| OBS | 1026 | 0.16 | 34.698 | | 27.87 | | | | 1466.7 | 516 | | | | | | |
| OBS | 1075 | 0.16 | 34.702 | | 27.88 | | | | 1467.5 | 516 | | | | | | |
| OBS | 1124 | 0.13 | 34.698 | | 27.88 | | | | 1468.2 | 524 | | | | | | |
| OBS | 1175 | 0.12 | 34.696 | | 27.88 | | | | 1469.0 | 524 | | | | | | |
| PING | 33 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | -1.16 | 34.269 | | 27.59 | | 51.06 | 0.000 | 1442.9 | | | | | | | |
| ISL | 10 | -1.16 | 34.267 | | 27.59 | | 51.12 | 0.005 | 1443.1 | | | | | | | |
| ISL | 20 | -1.16 | 34.267 | | 27.59 | | 51.11 | 0.010 | 1443.2 | | | | | | | |
| ISL | 30 | -1.16 | 34.269 | | 27.59 | | 50.94 | 0.015 | 1443.4 | | | | | | | |
| ISL | 50 | -1.13 | 34.278 | | 27.59 | | 50.25 | 0.025 | 1443.9 | | | | | | | |
| ISL | 75 | -1.10 | 34.289 | | 27.60 | | 49.41 | 0.038 | 1444.5 | | | | | | | |
| ISL | 100 | -1.01 | 34.321 | | 27.62 | | 47.21 | 0.050 | 1445.3 | | | | | | | |
| ISL | 125 | -0.54 | 34.448 | | 27.71 | | 39.35 | 0.061 | 1448.1 | | | | | | | |
| ISL | 150 | -0.18 | 34.552 | | 27.77 | | 33.08 | 0.070 | 1450.3 | | | | | | | |
| ISL | 200 | 0.11 | 34.599 | | 27.80 | | 31.04 | 0.086 | 1452.6 | | | | | | | |
| ISL | 250 | 0.36 | 34.635 | | 27.81 | | 29.83 | 0.101 | 1454.6 | | | | | | | |
| ISL | 300 | 0.56 | 34.658 | | 27.82 | | 29.35 | 0.116 | 1456.3 | | | | | | | |
| ISL | 400 | 0.82 | 34.692 | | 27.83 | | 28.62 | 0.145 | 1459.2 | | | | | | | |
| ISL | 500 | 0.90 | 34.704 | | 27.84 | | 28.48 | 0.173 | 1461.2 | | | | | | | |
| ISL | 600 | 0.81 | 34.701 | | 27.84 | | 28.28 | 0.202 | 1462.5 | | | | | | | |
| ISL | 700 | 0.67 | 34.699 | | 27.85 | | 27.49 | 0.230 | 1463.5 | | | | | | | |
| ISL | 800 | 0.50 | 34.701 | | 27.86 | | 26.13 | 0.256 | 1464.5 | | | | | | | |
| ISL | 900 | 0.35 | 34.701 | | 27.87 | | 24.97 | 0.282 | 1465.4 | | | | | | | |
| ISL | 1000 | 0.20 | 34.698 | | 27.87 | | 24.06 | 0.307 | 1466.4 | | | | | | | |
| ISL | 1100 | 0.14 | 34.700 | | 27.88 | | 23.53 | 0.330 | 1467.8 | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------|-------------------------------|---------------------------------|-------------------|-----------------|-----|
| EL 52 | 1542 | 0 | | 11 | 3 | 72 | 22.3 | 7156.2S | 17940.2W | 569 | 2199 | -1.4 | | 195 | 193 | 6 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | |
| OBS | 1776 | 0.34 | | 34.710 | | 27.87 | | | | 1480.2 | | 511 | | | | |
| OBS | 1926 | 0.22 | | 34.712 | | 27.88 | | | | 1482.2 | | 520 | | | | |
| OBS | 2024 | 0.17 | | 34.706 | | 27.88 | | | | 1483.7 | | 520 | | | | |
| OBS | 2099 | 0.15 | | 34.701 | | 27.88 | | | | 1484.9 | | 521 | | | | |
| OBS | 2148 | 0.14 | | 34.710 | | 27.89 | | | | 1485.7 | | 524 | | | | |
| OBS | 2198 | 0.10 | | 34.708 | | 27.89 | | | | 1486.3 | | 529 | | | | |
| PING | 21 | | | | | | | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------|-------------------------------|---------------------------------|-------------------|-----------------|-----|
| EL 52 | 1543 | 0 | | 12 | 3 | 72 | 6.9 | 7231.3S | 17900.8E | 570 | 1996 | -2.4 | | 194 | 173 | 16 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | |
| OBS | 1 | -1.44 | | 34.170 | | 27.52 | | | | 1441.5 | | 801 | | | | |
| OBS | 44 | -1.36 | | 34.194 | | 27.53 | | | | 1442.6 | | 784 | | | | |
| OBS | 89 | -1.45 | | 34.443 | | 27.74 | | | | 1443.3 | | 630 | | | | |
| OBS | 136 | -0.66 | | 34.530 | | 27.78 | | | | 1447.9 | | 568 | | | | |
| OBS | 182 | 0.39 | | 34.628 | | 27.81 | | | | 1453.6 | | 499 | | | | |
| OBS | 274 | 0.76 | | 34.677 | | 27.82 | | | | 1456.8 | | 478 | | | | |
| OBS | 458 | 1.04 | | 34.715 | | 27.84 | | | | 1461.2 | | 464 | | | | |
| OBS | 642 | 1.04 | | 34.721 | | 27.84 | | | | 1464.2 | | 459 | | | | |
| OBS | 920 | 0.88 | | 34.724 | | 27.85 | | | | 1468.2 | | 476 | | | | |
| OBS | 1300 | 0.56 | | 34.713 | | 27.86 | | | | 1473.1 | | 490 | | | | |
| OBS | 1552 | 0.33 | | 34.709 | | 27.87 | | | | 1476.3 | | 506 | | | | |
| OBS | 1705 | 0.21 | | 34.705 | | 27.88 | | | | 1478.3 | | 514 | | | | |
| OBS | 1808 | 0.16 | | 34.705 | | 27.88 | | | | 1479.9 | | 525 | | | | |
| OBS | 1884 | 0.15 | | 34.704 | | 27.88 | | | | 1481.1 | | 517 | | | | |
| OBS | 1937 | 0.12 | | 34.702 | | 27.88 | | | | 1481.9 | | 519 | | | | |
| OBS | 1988 | 0.09 | | 34.702 | | 27.88 | | | | 1482.6 | | 522 | | | | |
| PING | 21 | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | |
|-----|------|-------|--------|-------|-------|-------|--------|--|--|--|--|--|--|--|--|--|
| ISL | 0 | -1.44 | 34.170 | 27.52 | 57.79 | 0.000 | 1441.5 | | | | | | | | | |
| ISL | 10 | -1.43 | 34.164 | 27.51 | 58.23 | 0.006 | 1441.7 | | | | | | | | | |
| ISL | 20 | -1.41 | 34.164 | 27.51 | 58.20 | 0.012 | 1441.9 | | | | | | | | | |
| ISL | 30 | -1.39 | 34.173 | 27.52 | 57.55 | 0.017 | 1442.2 | | | | | | | | | |
| ISL | 50 | -1.36 | 34.216 | 27.55 | 54.25 | 0.029 | 1442.7 | | | | | | | | | |
| ISL | 75 | -1.41 | 34.381 | 27.69 | 41.34 | 0.041 | 1443.1 | | | | | | | | | |
| ISL | 100 | -1.33 | 34.464 | 27.75 | 35.11 | 0.050 | 1444.0 | | | | | | | | | |
| ISL | 125 | -0.88 | 34.509 | 27.77 | 33.27 | 0.059 | 1446.6 | | | | | | | | | |
| ISL | 150 | -0.36 | 34.559 | 27.79 | 31.69 | 0.067 | 1449.5 | | | | | | | | | |
| ISL | 200 | 0.57 | 34.651 | 27.81 | 29.85 | 0.082 | 1454.7 | | | | | | | | | |
| ISL | 250 | 0.69 | 34.668 | 27.82 | 29.35 | 0.097 | 1456.1 | | | | | | | | | |
| ISL | 300 | 0.84 | 34.687 | 27.83 | 28.96 | 0.112 | 1457.6 | | | | | | | | | |
| ISL | 400 | 1.00 | 34.709 | 27.83 | 28.69 | 0.140 | 1460.0 | | | | | | | | | |
| ISL | 500 | 1.06 | 34.718 | 27.84 | 28.62 | 0.169 | 1462.0 | | | | | | | | | |
| ISL | 600 | 1.05 | 34.720 | 27.84 | 28.66 | 0.198 | 1463.6 | | | | | | | | | |
| ISL | 700 | 1.02 | 34.722 | 27.84 | 28.46 | 0.226 | 1465.1 | | | | | | | | | |
| ISL | 800 | 0.97 | 34.724 | 27.85 | 28.13 | 0.254 | 1466.5 | | | | | | | | | |
| ISL | 900 | 0.89 | 34.724 | 27.85 | 27.70 | 0.282 | 1467.9 | | | | | | | | | |
| ISL | 1000 | 0.82 | 34.722 | 27.85 | 27.43 | 0.310 | 1469.2 | | | | | | | | | |
| ISL | 1100 | 0.74 | 34.718 | 27.86 | 27.12 | 0.337 | 1470.5 | | | | | | | | | |
| ISL | 1200 | 0.65 | 34.715 | 27.86 | 26.67 | 0.364 | 1471.8 | | | | | | | | | |
| ISL | 1300 | 0.56 | 34.713 | 27.86 | 26.18 | 0.391 | 1473.1 | | | | | | | | | |
| ISL | 1400 | 0.47 | 34.711 | 27.87 | 25.56 | 0.416 | 1474.3 | | | | | | | | | |
| ISL | 1500 | 0.38 | 34.710 | 27.87 | 24.88 | 0.442 | 1475.6 | | | | | | | | | |
| ISL | 1750 | 0.18 | 34.705 | 27.88 | 23.48 | 0.502 | 1479.0 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|------------------------|----|---------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|-----|
| EL 52 | 1544 | 0 | | 16 | 3 | 72 | 15.4 | 7226.9S | 17352.1E | 570 | 475 | -5.9 | | 194 | 203 | 10 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | DENS (σ_t) | | ANOM cl./T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | |
| OBS | 1 | -1.07 | 34.348 | | 27.65 | | | | 1443.5 | 762 | | | | | | |
| OBS | 48 | -1.08 | 34.349 | | 27.65 | | | | 1444.2 | 782 | | | | | | |
| OBS | 96 | -1.06 | 34.344 | | 27.64 | | | | 1445.1 | 782 | | | | | | |
| OBS | 144 | -0.74 | 34.408 | | 27.68 | | | | 1447.4 | 708 | | | | | | |
| OBS | 192 | -0.01 | 34.580 | | 27.79 | | | | 1451.8 | 541 | | | | | | |
| OBS | 240 | 0.34 | 34.646 | | 27.82 | | | | 1454.3 | 507 | | | | | | |
| OBS | 289 | 0.22 | 34.662 | | 27.84 | | | | 1454.6 | 513 | | | | | | |
| OBS | 338 | -0.02 | 34.679 | | 27.87 | | | | 1454.3 | 529 | | | | | | |
| OBS | 386 | -0.16 | 34.705 | | 27.90 | | | | 1454.5 | 538 | | | | | | |
| OBS | 435 | -0.19 | 34.705 | | 27.90 | | | | 1455.2 | 543 | | | | | | |
| PING | 42 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | -1.07 | 34.348 | | 27.65 | | 45.30 | 0.000 | 1443.4 | | | | | | | |
| ISL | 10 | -1.08 | 34.348 | | 27.65 | | 45.26 | 0.005 | 1443.6 | | | | | | | |
| ISL | 20 | -1.08 | 34.348 | | 27.65 | | 45.18 | 0.009 | 1443.7 | | | | | | | |
| ISL | 30 | -1.08 | 34.348 | | 27.65 | | 45.10 | 0.014 | 1443.9 | | | | | | | |
| ISL | 50 | -1.08 | 34.349 | | 27.65 | | 45.00 | 0.023 | 1444.2 | | | | | | | |
| ISL | 75 | -1.08 | 34.346 | | 27.65 | | 45.11 | 0.034 | 1444.6 | | | | | | | |
| ISL | 100 | -1.05 | 34.346 | | 27.65 | | 45.13 | 0.045 | 1445.2 | | | | | | | |
| ISL | 125 | -0.91 | 34.372 | | 27.66 | | 43.61 | 0.056 | 1446.3 | | | | | | | |
| ISL | 150 | -0.67 | 34.424 | | 27.69 | | 40.56 | 0.067 | 1447.9 | | | | | | | |
| ISL | 200 | 0.08 | 34.597 | | 27.80 | | 31.02 | 0.085 | 1452.4 | | | | | | | |
| ISL | 250 | 0.35 | 34.649 | | 27.83 | | 28.62 | 0.100 | 1454.5 | | | | | | | |
| ISL | 300 | 0.17 | 34.666 | | 27.85 | | 26.35 | 0.113 | 1454.6 | | | | | | | |
| ISL | 400 | -0.18 | 34.707 | | 27.90 | | 21.11 | 0.137 | 1454.7 | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 52 | 1545 | 0 | | 16 | 3 | 72 | 23.7 | 7203.8S | 17345.7E | 57C | 1173 | -6.4 | | 175 | 183 | 13 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 1 | -1.29 | | 34.292 | | 27.61 | | | | 1442.4 | 79C | | | | | |
| OBS | 51 | -1.25 | | 34.294 | | 27.61 | | | | 1443.4 | 788 | | | | | |
| OBS | 101 | -0.36 | | 34.539 | | 27.77 | | | | 1448.7 | 581 | | | | | |
| OBS | 151 | 0.28 | | 34.622 | | 27.81 | | | | 1452.5 | 515 | | | | | |
| OBS | 201 | 0.56 | | 34.652 | | 27.81 | | | | 1454.7 | 499 | | | | | |
| OBS | 301 | 0.85 | | 34.687 | | 27.83 | | | | 1457.7 | 475 | | | | | |
| OBS | 501 | 0.88 | | 34.702 | | 27.84 | | | | 1461.1 | 47C | | | | | |
| OBS | 741 | 0.83 | | 34.715 | | 27.85 | | | | 1464.9 | 471 | | | | | |
| OBS | 899 | 0.67 | | 34.710 | | 27.85 | | | | 1466.8 | 485 | | | | | |
| OBS | 998 | 0.45 | | 34.708 | | 27.87 | | | | 1467.5 | 502 | | | | | |
| OBS | 1075 | 0.26 | | 34.708 | | 27.88 | | | | 1467.9 | 51C | | | | | |
| OBS | 1124 | -0.13 | | 34.709 | | 27.9C | | | | 1467.0 | 541 | | | | | |
| OBS | 1174 | -0.21 | | 34.717 | | 27.91 | | | | 1467.5 | 536 | | | | | |
| PING | 14 | | | | | | | | | | | | | | | |
| ISL | 0 | -1.29 | | 34.292 | | 27.61 | 48.89 | 0.000 | | 1442.3 | | | | | | |
| ISL | 10 | -1.33 | | 34.280 | | 27.6C | 49.58 | 0.005 | | 1442.3 | | | | | | |
| ISL | 20 | -1.35 | | 34.274 | | 27.6C | 49.98 | 0.010 | | 1442.4 | | | | | | |
| ISL | 30 | -1.34 | | 34.274 | | 27.60 | 49.94 | 0.015 | | 1442.6 | | | | | | |
| ISL | 50 | -1.26 | | 34.292 | | 27.61 | 48.77 | 0.025 | | 1443.3 | | | | | | |
| ISL | 75 | -0.80 | | 34.419 | | 27.7C | 40.57 | 0.036 | | 1446.0 | | | | | | |
| ISL | 100 | -0.38 | | 34.536 | | 27.77 | 33.47 | 0.045 | | 1448.6 | | | | | | |
| ISL | 125 | -0.01 | | 34.595 | | 27.80 | 30.7C | 0.053 | | 1450.7 | | | | | | |
| ISL | 150 | 0.27 | | 34.621 | | 27.81 | 30.28 | 0.061 | | 1452.5 | | | | | | |
| ISL | 200 | 0.56 | | 34.652 | | 27.81 | 29.7C | 0.076 | | 1454.6 | | | | | | |
| ISL | 250 | 0.74 | | 34.673 | | 27.82 | 29.33 | 0.091 | | 1456.3 | | | | | | |
| ISL | 300 | 0.85 | | 34.687 | | 27.82 | 29.06 | 0.105 | | 1457.7 | | | | | | |
| ISL | 400 | 0.88 | | 34.696 | | 27.83 | 28.82 | 0.134 | | 1459.5 | | | | | | |
| ISL | 500 | 0.88 | | 34.702 | | 27.84 | 28.51 | 0.163 | | 1461.1 | | | | | | |
| ISL | 600 | 0.88 | | 34.709 | | 27.84 | 28.20 | 0.191 | | 1462.8 | | | | | | |
| ISL | 700 | 0.85 | | 34.714 | | 27.85 | 27.72 | 0.219 | | 1464.3 | | | | | | |
| ISL | 800 | 0.80 | | 34.713 | | 27.85 | 27.54 | 0.247 | | 1465.8 | | | | | | |
| ISL | 900 | 0.67 | | 34.710 | | 27.85 | 26.89 | 0.274 | | 1466.8 | | | | | | |
| ISL | 1000 | 0.45 | | 34.708 | | 27.87 | 25.31 | 0.300 | | 1467.5 | | | | | | |
| ISL | 1100 | 0.06 | | 34.708 | | 27.89 | 22.28 | 0.324 | | 1467.5 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 52 | 1546 | 0 | | 17 | 3 | 72 | 5.4 | 7141.8S | 17323.0E | 57C | 194C | -6.3 | | 154 | 153 | 16 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 0.71 | 34.272 | 27.50 | | | 1451.5 | 797 | | | | | | | | |
| OBS | 50 | 0.74 | 34.270 | 27.50 | | | 1452.5 | 797 | | | | | | | | |
| OBS | 100 | -0.68 | 34.381 | 27.66 | | | 1447.0 | 716 | | | | | | | | |
| OBS | 149 | -0.10 | 34.507 | 27.73 | | | 1450.6 | 623 | | | | | | | | |
| OBS | 198 | 0.60 | 34.648 | 27.81 | | | 1454.8 | 511 | | | | | | | | |
| OBS | 296 | 0.96 | 34.701 | 27.83 | | | 1458.1 | 473 | | | | | | | | |
| OBS | 494 | 0.95 | 34.712 | 27.84 | | | 1461.4 | 468 | | | | | | | | |
| OBS | 742 | 0.82 | 34.711 | 27.85 | | | 1464.9 | 484 | | | | | | | | |
| OBS | 991 | 0.67 | 34.711 | 27.86 | | | 1468.4 | 475 | | | | | | | | |
| OBS | 1291 | 0.52 | 34.707 | 27.86 | | | 1472.8 | 495 | | | | | | | | |
| OBS | 1536 | 0.31 | 34.707 | 27.87 | | | 1476.0 | 510 | | | | | | | | |
| OBS | 1685 | 0.08 | 34.709 | 27.89 | | | 1477.5 | 521 | | | | | | | | |
| OBS | 1783 | 0.02 | 34.710 | 27.89 | | | 1478.9 | 529 | | | | | | | | |
| OBS | 1831 | -0.03 | 34.709 | 27.89 | | | 1479.5 | 528 | | | | | | | | |
| OBS | 1882 | -0.08 | 34.716 | 27.90 | | | 1480.2 | 532 | | | | | | | | |
| OBS | 1931 | -0.20 | 34.717 | 27.91 | | | 1480.5 | 542 | | | | | | | | |
| PING | 14 | | | | | | | | | | | | | | | |
| ISL | 0 | 0.71 | 34.272 | 27.50 | 59.24 | 0.000 | 1451.5 | | | | | | | | | |
| ISL | 10 | 0.77 | 34.265 | 27.49 | 60.12 | 0.006 | 1451.9 | | | | | | | | | |
| ISL | 20 | 0.80 | 34.260 | 27.49 | 60.68 | 0.012 | 1452.2 | | | | | | | | | |
| ISL | 30 | 0.80 | 34.260 | 27.49 | 60.73 | 0.018 | 1452.4 | | | | | | | | | |
| ISL | 50 | 0.74 | 34.270 | 27.50 | 59.60 | 0.030 | 1452.5 | | | | | | | | | |
| ISL | 75 | 0.10 | 34.321 | 27.57 | 52.21 | 0.044 | 1450.0 | | | | | | | | | |
| ISL | 100 | -0.68 | 34.381 | 27.66 | 43.90 | 0.056 | 1447.0 | | | | | | | | | |
| ISL | 125 | -0.42 | 34.443 | 27.70 | 40.28 | 0.067 | 1448.7 | | | | | | | | | |
| ISL | 150 | -0.09 | 34.510 | 27.74 | 36.80 | 0.076 | 1450.7 | | | | | | | | | |
| ISL | 200 | 0.62 | 34.652 | 27.81 | 30.08 | 0.093 | 1454.9 | | | | | | | | | |
| ISL | 250 | 0.89 | 34.689 | 27.82 | 29.11 | 0.108 | 1457.1 | | | | | | | | | |
| ISL | 300 | 0.97 | 34.702 | 27.83 | 28.72 | 0.122 | 1458.2 | | | | | | | | | |
| ISL | 400 | 0.98 | 34.710 | 27.84 | 28.43 | 0.151 | 1460.0 | | | | | | | | | |
| ISL | 500 | 0.95 | 34.712 | 27.84 | 28.25 | 0.179 | 1461.5 | | | | | | | | | |
| ISL | 600 | 0.90 | 34.712 | 27.84 | 28.12 | 0.207 | 1462.9 | | | | | | | | | |
| ISL | 700 | 0.84 | 34.711 | 27.84 | 27.89 | 0.235 | 1464.3 | | | | | | | | | |
| ISL | 800 | 0.79 | 34.711 | 27.85 | 27.61 | 0.263 | 1465.8 | | | | | | | | | |
| ISL | 900 | 0.72 | 34.711 | 27.85 | 27.28 | 0.291 | 1467.2 | | | | | | | | | |
| ISL | 1000 | 0.67 | 34.711 | 27.86 | 26.92 | 0.318 | 1468.6 | | | | | | | | | |
| ISL | 1100 | 0.61 | 34.710 | 27.86 | 26.67 | 0.344 | 1470.0 | | | | | | | | | |
| ISL | 1200 | 0.56 | 34.708 | 27.86 | 26.49 | 0.371 | 1471.5 | | | | | | | | | |
| ISL | 1300 | 0.51 | 34.707 | 27.86 | 26.21 | 0.397 | 1472.9 | | | | | | | | | |
| ISL | 1400 | 0.45 | 34.707 | 27.87 | 25.73 | 0.423 | 1474.3 | | | | | | | | | |
| ISL | 1500 | 0.35 | 34.707 | 27.87 | 24.89 | 0.449 | 1475.6 | | | | | | | | | |
| ISL | 1750 | 0.05 | 34.710 | 27.89 | 21.82 | 0.507 | 1478.5 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 54 | 1547 | 0 | | 27 | 6 | 72 | 17.3 | 4003.1S | 8802.9E | 471 | 3226 | 11.1 | | 106 | 193 | 20 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 11.36 | 34.859 | 26.62 | | | 1495.1 | 615 | | | 3 | | | | | |
| OBS | 54 | 11.36 | 34.864 | 26.62 | | | 1496.0 | 614 | | | 3 | | | | | |
| OBS | 108 | 11.39 | 34.875 | 26.63 | | | 1497.0 | 614 | | | 3 | | | | | |
| OBS | 162 | 11.39 | 34.875 | 26.63 | | | 1497.8 | 614 | | | 3 | | | | | |
| OBS | 216 | 11.80 | 35.049 | 26.68 | | | 1500.4 | 571 | | | 5 | | | | | |
| OBS | 320 | 11.26 | 34.964 | 26.72 | | | 1500.1 | 573 | | | 5 | | | | | |
| OBS | 425 | 10.82 | 34.900 | 26.75 | | | 1500.2 | 584 | | | 6 | | | | | |
| OBS | 536 | 10.10 | 34.820 | 26.81 | | | 1499.3 | 530 | | | 8 | | | | | |
| OBS | 635 | 9.17 | 34.709 | 26.88 | | | 1497.4 | 503 | | | 10 | | | | | |
| OBS | 794 | 7.16 | 34.512 | 27.03 | | | 1492.1 | 490 | | | 32 | | | | | |
| OBS | 839 | 6.55 | 34.458 | 27.07 | | | 1490.4 | 487 | | | 27 | | | | | |
| OBS | 1046 | 4.35 | 34.335 | 27.24 | | | 1484.7 | 499C | | | 52 | | | | | |
| OBS | 1259 | 3.35 | 34.398 | 27.39 | | | 1484.2 | 464 | | | | | | | | |
| OBS | 1293 | 3.44 | 34.405 | 27.39 | | | 1485.1 | 456 | | | 69 | | | | | |
| OBS | 1544 | 2.89 | 34.521 | 27.54 | | | 1487.2 | 413 | | | 78 | | | | | |
| OBS | 1790 | 2.60 | 34.62C | 27.64 | | | 1490.2 | 407 | | | 82 | | | | | |
| OBS | 2039 | 2.44 | 34.693 | 27.71 | | | 1493.8 | 421 | | | 84 | | | | | |
| OBS | 2285 | 2.28 | 34.731 | 27.76 | | | 1497.4 | 451 | | | 87 | | | | | |
| OBS | 2390 | 2.18 | 34.749 | 27.78 | | | 1498.8 | 454 | | | 89 | | | | | |
| OBS | 2436 | 2.13 | 34.747 | 27.78 | | | 1499.4 | 449 | | | | | | | | |
| PING | 17 | | | | | | | | | | | | | | | |
| ISL | 0 | 11.36 | 34.859 | 26.62 | 142.84 | 0.000 | 1495.1 | | | | | | | | | |
| ISL | 10 | 11.36 | 34.860 | 26.62 | 143.00 | 0.014 | 1495.2 | | | | | | | | | |
| ISL | 20 | 11.36 | 34.861 | 26.62 | 143.16 | 0.029 | 1495.4 | | | | | | | | | |
| ISL | 30 | 11.36 | 34.862 | 26.62 | 143.33 | 0.043 | 1495.6 | | | | | | | | | |
| ISL | 50 | 11.36 | 34.863 | 26.62 | 143.71 | 0.072 | 1495.9 | | | | | | | | | |
| ISL | 75 | 11.37 | 34.868 | 26.62 | 144.18 | 0.108 | 1496.3 | | | | | | | | | |
| ISL | 100 | 11.39 | 34.874 | 26.63 | 144.64 | 0.144 | 1496.8 | | | | | | | | | |
| ISL | 125 | 11.39 | 34.876 | 26.63 | 145.16 | 0.180 | 1497.2 | | | | | | | | | |
| ISL | 150 | 11.39 | 34.874 | 26.63 | 145.80 | 0.216 | 1497.6 | | | | | | | | | |
| ISL | 200 | 11.70 | 35.009 | 26.67 | 142.71 | 0.288 | 1499.7 | | | | | | | | | |
| ISL | 250 | 11.63 | 35.022 | 26.70 | 141.67 | 0.360 | 1500.3 | | | | | | | | | |
| ISL | 300 | 11.36 | 34.979 | 26.71 | 141.16 | 0.430 | 1500.1 | | | | | | | | | |
| ISL | 400 | 10.93 | 34.916 | 26.74 | 140.44 | 0.571 | 1500.2 | | | | | | | | | |
| ISL | 500 | 10.37 | 34.851 | 26.79 | 137.52 | 0.710 | 1499.7 | | | | | | | | | |
| ISL | 600 | 9.53 | 34.751 | 26.86 | 132.57 | 0.845 | 1498.2 | | | | | | | | | |
| ISL | 700 | 8.40 | 34.628 | 26.94 | 125.01 | 0.974 | 1495.5 | | | | | | | | | |
| ISL | 800 | 7.08 | 34.505 | 27.04 | 115.41 | 1.094 | 1491.9 | | | | | | | | | |
| ISL | 900 | 5.80 | 34.401 | 27.13 | 106.17 | 1.205 | 1488.3 | | | | | | | | | |
| ISL | 1000 | 4.74 | 34.345 | 27.21 | 97.39 | 1.307 | 1485.6 | | | | | | | | | |
| ISL | 1100 | 3.91 | 34.353 | 27.30 | 87.33 | 1.399 | 1483.8 | | | | | | | | | |
| ISL | 1200 | 3.37 | 34.383 | 27.38 | 79.38 | 1.482 | 1483.2 | | | | | | | | | |
| ISL | 1300 | 3.44 | 34.407 | 27.39 | 79.18 | 1.562 | 1485.2 | | | | | | | | | |
| ISL | 1400 | 3.19 | 34.456 | 27.46 | 73.31 | 1.638 | 1485.9 | | | | | | | | | |
| ISL | 1500 | 2.97 | 34.502 | 27.51 | 67.94 | 1.709 | 1486.7 | | | | | | | | | |
| ISL | 1750 | 2.64 | 34.605 | 27.62 | 57.73 | 1.866 | 1489.7 | | | | | | | | | |
| ISL | 2000 | 2.47 | 34.684 | 27.70 | 51.22 | 2.002 | 1493.3 | | | | | | | | | |
| ISL | 2250 | 2.30 | 34.725 | 27.75 | 47.37 | 2.125 | 1496.9 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 54 | 1548 | 0 | | 28 | 6 | 72 | 11.7 | 4157.2S | 8747.3E | 471 | 2328 | 8.3 | | 203 | 192 | 19 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 10.76 | 34.840 | 26.71 | | | 1492.9 | | | | 4 | | | | | |
| OBS | 50 | 10.78 | 34.837 | 26.71 | | | 1493.8 | | | | 4 | | | | | |
| OBS | 246 | 10.79 | 34.833 | 26.70 | | | 1497.0 | | | | 4 | | | | | |
| OBS | 444 | 10.10 | 34.797 | 26.80 | | | 1497.8 | | | | 7 | | | | | |
| OBS | 642 | 7.63 | 34.561 | 27.00 | | | 1491.5 | | | | 16 | | | | | |
| OBS | 741 | 6.39 | 34.460 | 27.10 | | | 1488.1 | | | | 21 | | | | | |
| OBS | 840 | 5.25 | 34.375 | 27.17 | | | 1485.0 | | | | 27 | | | | | |
| OBS | 940 | 4.50 | 34.346 | 27.24 | | | 1483.6 | | | | 32 | | | | | |
| OBS | 1039 | 3.87 | 34.353 | 27.31 | | | 1482.6 | | | | 40 | | | | | |
| OBS | 1089 | 3.68 | 34.379 | 27.35 | | | 1482.7 | | | | 45 | | | | | |
| OBS | 1139 | 3.47 | 34.397 | 27.38 | | | 1482.6 | | | | 47 | | | | | |
| OBS | 1188 | 3.21 | 34.385 | 27.40 | | | 1482.3 | | | | 50 | | | | | |
| OBS | 1326 | 2.96 | 34.463 | 27.48 | | | 1483.7 | | | | 60 | | | | | |
| OBS | 1475 | 2.84 | 34.530 | 27.55 | | | 1485.8 | | | | 68 | | | | | |
| OBS | 1676 | 2.65 | 34.612 | 27.63 | | | 1488.4 | | | | 75 | | | | | |
| OBS | 1876 | 2.49 | 34.678 | 27.70 | | | 1491.2 | | | | 78 | | | | | |
| OBS | 2076 | 2.35 | 34.730 | 27.75 | | | 1494.1 | | | | 82 | | | | | |
| OBS | 2316 | 2.12 | 34.746 | 27.78 | | | 1497.2 | | | | 92 | | | | | |
| OBS | 2370 | 2.12 | 34.753 | 27.79 | | | 1498.1 | | | | 92 | | | | | |
| PING | 10 | | | | | | | | | | | | | | | |
| ISL | 0 | 10.76 | 34.840 | 26.71 | 133.88 | 0.000 | 1492.9 | | | | | | | | | |
| ISL | 10 | 10.76 | 34.839 | 26.71 | 134.22 | 0.013 | 1493.1 | | | | | | | | | |
| ISL | 20 | 10.77 | 34.839 | 26.71 | 134.56 | 0.027 | 1493.3 | | | | | | | | | |
| ISL | 30 | 10.77 | 34.838 | 26.71 | 134.91 | 0.040 | 1493.5 | | | | | | | | | |
| ISL | 50 | 10.78 | 34.837 | 26.71 | 135.56 | 0.067 | 1493.8 | | | | | | | | | |
| ISL | 75 | 10.79 | 34.836 | 26.71 | 136.38 | 0.101 | 1494.2 | | | | | | | | | |
| ISL | 100 | 10.79 | 34.835 | 26.70 | 137.14 | 0.136 | 1494.7 | | | | | | | | | |
| ISL | 125 | 10.80 | 34.834 | 26.70 | 137.82 | 0.170 | 1495.1 | | | | | | | | | |
| ISL | 150 | 10.80 | 34.834 | 26.70 | 138.56 | 0.204 | 1495.5 | | | | | | | | | |
| ISL | 200 | 10.82 | 34.834 | 26.70 | 139.96 | 0.274 | 1496.4 | | | | | | | | | |
| ISL | 250 | 10.78 | 34.833 | 26.70 | 140.54 | 0.344 | 1497.1 | | | | | | | | | |
| ISL | 300 | 10.71 | 34.828 | 26.71 | 140.74 | 0.415 | 1497.6 | | | | | | | | | |
| ISL | 400 | 10.38 | 34.820 | 26.77 | 137.83 | 0.554 | 1498.1 | | | | | | | | | |
| ISL | 500 | 9.41 | 34.727 | 26.86 | 130.26 | 0.688 | 1496.0 | | | | | | | | | |
| ISL | 600 | 8.16 | 34.608 | 26.96 | 120.87 | 0.813 | 1492.8 | | | | | | | | | |
| ISL | 700 | 6.90 | 34.500 | 27.06 | 111.66 | 0.930 | 1489.5 | | | | | | | | | |
| ISL | 800 | 5.67 | 34.404 | 27.14 | 103.07 | 1.037 | 1486.1 | | | | | | | | | |
| ISL | 900 | 4.77 | 34.351 | 27.21 | 96.31 | 1.137 | 1484.0 | | | | | | | | | |
| ISL | 1000 | 4.08 | 34.344 | 27.28 | 89.23 | 1.230 | 1482.8 | | | | | | | | | |
| ISL | 1100 | 3.64 | 34.384 | 27.36 | 81.78 | 1.315 | 1482.7 | | | | | | | | | |
| ISL | 1200 | 3.16 | 34.391 | 27.41 | 76.45 | 1.394 | 1482.3 | | | | | | | | | |
| ISL | 1300 | 2.99 | 34.449 | 27.47 | 70.81 | 1.468 | 1483.4 | | | | | | | | | |
| ISL | 1400 | 2.90 | 34.498 | 27.52 | 66.73 | 1.537 | 1484.7 | | | | | | | | | |
| ISL | 1500 | 2.82 | 34.541 | 27.56 | 63.24 | 1.602 | 1486.1 | | | | | | | | | |
| ISL | 1750 | 2.59 | 34.638 | 27.66 | 54.74 | 1.749 | 1489.4 | | | | | | | | | |
| ISL | 2000 | 2.40 | 34.714 | 27.73 | 48.22 | 1.878 | 1493.0 | | | | | | | | | |
| ISL | 2250 | 2.19 | 34.740 | 27.77 | 44.81 | 1.994 | 1496.4 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 54 | 1549 | 0 | | 29 | 6 | 72 | 5.4 | 4406.1S | 8736.3E | 471 | 3350 | 8.9 | | 294 | 313 | 22 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² -ml/l | PHOS 10 ² -µgat/l | NITR 10-µgat/l | SILIC µgat/l | | |
| OBS | 1 | 8.55 | | 34.390 | | 26.73 | | | | 1484.2 | 645 | | | | | 4 |
| OBS | 49 | 8.55 | | 34.385 | | 26.73 | | | | 1485.0 | 644 | | | | | 4 |
| OBS | 95 | 8.58 | | 34.390 | | 26.73 | | | | 1485.9 | 639 | | | | | 4 |
| OBS | 141 | 8.57 | | 34.418 | | 26.75 | | | | 1486.7 | 625 | | | | | 4 |
| OBS | 188 | 8.79 | | 34.519 | | 26.80 | | | | 1488.4 | 577 | | | | | 6 |
| OBS | 235 | 8.43 | | 34.514 | | 26.85 | | | | 1487.8 | 558 | | | | | 8 |
| OBS | 281 | 7.81 | | 34.480 | | 26.91 | | | | 1486.1 | 542 | | | | | 10 |
| OBS | 378 | 7.34 | | 34.490 | | 26.99 | | | | 1485.9 | 500 | | | | | 16 |
| OBS | 569 | 5.25 | | 34.351 | | 27.15 | | | | 1480.6 | 505 | | | | | 24 |
| OBS | 764 | 4.07 | | 34.328 | | 27.27 | | | | 1478.9 | 499 | | | | | 35 |
| OBS | 961 | 3.19 | | 34.376 | | 27.39 | | | | 1478.5 | 456 | | | | | 51 |
| OBS | 1157 | 2.91 | | 34.490 | | 27.51 | | | | 1480.8 | 423 | | | | | 64 |
| OBS | 1248 | 2.80 | | 34.525 | | 27.55 | | | | 1481.9 | 416 | | | | | 66 |
| OBS | 1501 | 2.65 | | 34.622 | | 27.64 | | | | 1485.6 | 417 | | | | | 73 |
| OBS | 1754 | 2.50 | | 34.696 | | 27.71 | | | | 1489.4 | 430 | | | | | 76 |
| OBS | 2005 | 2.27 | | 34.751 | | 27.77 | | | | 1492.7 | 441 | | | | | 81 |
| OBS | 2258 | 2.06 | | 34.760 | | 27.80 | | | | 1496.2 | 461 | | | | | 85 |
| OBS | 2507 | 1.82 | | 34.752 | | 27.81 | | | | 1499.4 | 483C | | | | | 97 |
| OBS | 2756 | 1.55 | | 34.735 | | 27.82 | | | | 1502.5 | 471 | | | | | 96 |
| OBS | 3006 | 1.38 | | 34.743 | | 27.83 | | | | 1506.1 | 474 | | | | | 105 |
| OBS | 3268 | 1.17 | | 34.725 | | 27.83 | | | | 1509.7 | | | | | | |
| OBS | 3318 | 1.16 | | 34.718 | | 27.83 | | | | 1510.6 | | | | | | |
| | | | | | | | | | | | | | | | | |
| ISL | 0 | 8.55 | | 34.390 | | 26.73 | 132.07 | 0.000 | | 1484.2 | | | | | | |
| ISL | 10 | 8.55 | | 34.388 | | 26.73 | 132.39 | 0.013 | | 1484.4 | | | | | | |
| ISL | 20 | 8.55 | | 34.387 | | 26.73 | 132.69 | 0.026 | | 1484.5 | | | | | | |
| ISL | 30 | 8.55 | | 34.385 | | 26.73 | 132.94 | 0.040 | | 1484.7 | | | | | | |
| ISL | 50 | 8.55 | | 34.385 | | 26.73 | 133.38 | 0.066 | | 1485.0 | | | | | | |
| ISL | 75 | 8.57 | | 34.385 | | 26.73 | 134.07 | 0.100 | | 1485.5 | | | | | | |
| ISL | 100 | 8.58 | | 34.392 | | 26.73 | 134.27 | 0.133 | | 1486.0 | | | | | | |
| ISL | 125 | 8.58 | | 34.401 | | 26.74 | 133.96 | 0.167 | | 1486.4 | | | | | | |
| ISL | 150 | 8.60 | | 34.432 | | 26.76 | 132.48 | 0.200 | | 1486.9 | | | | | | |
| ISL | 200 | 8.74 | | 34.527 | | 26.81 | 128.64 | 0.265 | | 1488.4 | | | | | | |
| ISL | 250 | 8.25 | | 34.506 | | 26.87 | 123.73 | 0.329 | | 1487.4 | | | | | | |
| ISL | 300 | 7.67 | | 34.476 | | 26.93 | 118.17 | 0.389 | | 1485.9 | | | | | | |
| ISL | 400 | 7.15 | | 34.481 | | 27.01 | 112.07 | 0.504 | | 1485.6 | | | | | | |
| ISL | 500 | 5.93 | | 34.391 | | 27.10 | 103.58 | 0.612 | | 1482.2 | | | | | | |
| ISL | 600 | 5.01 | | 34.340 | | 27.17 | 96.91 | 0.712 | | 1480.1 | | | | | | |
| ISL | 700 | 4.40 | | 34.323 | | 27.23 | 91.92 | 0.807 | | 1479.2 | | | | | | |
| ISL | 800 | 3.88 | | 34.332 | | 27.29 | 86.07 | 0.896 | | 1478.7 | | | | | | |
| ISL | 900 | 3.41 | | 34.354 | | 27.35 | 79.91 | 0.979 | | 1478.4 | | | | | | |
| ISL | 1000 | 3.11 | | 34.395 | | 27.41 | 74.23 | 1.056 | | 1478.9 | | | | | | |
| ISL | 1100 | 2.98 | | 34.461 | | 27.48 | 68.60 | 1.127 | | 1480.1 | | | | | | |
| ISL | 1200 | 2.86 | | 34.507 | | 27.53 | 64.38 | 1.194 | | 1481.3 | | | | | | |
| ISL | 1300 | 2.77 | | 34.545 | | 27.56 | 61.19 | 1.256 | | 1482.6 | | | | | | |
| ISL | 1400 | 2.71 | | 34.583 | | 27.60 | 58.25 | 1.316 | | 1484.1 | | | | | | |
| ISL | 1500 | 2.65 | | 34.622 | | 27.64 | 55.31 | 1.373 | | 1485.6 | | | | | | |
| ISL | 1750 | 2.50 | | 34.695 | | 27.71 | 49.56 | 1.504 | | 1489.3 | | | | | | |
| ISL | 2000 | 2.27 | | 34.750 | | 27.77 | 43.99 | 1.621 | | 1492.7 | | | | | | |
| ISL | 2250 | 2.07 | | 34.760 | | 27.80 | 41.79 | 1.728 | | 1496.1 | | | | | | |
| ISL | 2500 | 1.83 | | 34.752 | | 27.81 | 40.25 | 1.831 | | 1499.3 | | | | | | |
| ISL | 2750 | 1.56 | | 34.735 | | 27.82 | 38.74 | 1.929 | | 1502.4 | | | | | | |
| ISL | 3000 | 1.38 | | 34.743 | | 27.83 | 36.55 | 2.024 | | 1506.0 | | | | | | |
| ISL | 3250 | 1.18 | | 34.727 | | 27.84 | 35.46 | 2.114 | | 1509.5 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|
| EL 54 | 1550 | 0 | | 29 | 6 | 72 | 16.7 | 4459.0S | 8713.1E | 471 | 3672 | 7.6 | | 246 | 273 | 23 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | |
| OBS | 1 | 8.28 | | 34.420 | | 26.80 | | | | 1483.3 | | 644 | | | 4 | |
| OBS | 49 | 8.01 | | 34.383 | | 26.81 | | | | 1483.0 | | 650 | | | 4 | |
| OBS | 98 | 7.93 | | 34.353 | | 26.80 | | | | 1483.4 | | 647 | | | 4 | |
| OBS | 146 | 8.02 | | 34.365 | | 26.79 | | | | 1484.6 | | 643 | | | 4 | |
| OBS | 171 | 8.00 | | 34.386 | | 26.81 | | | | 1484.9 | | 646 | | | 4 | |
| OBS | 195 | 7.57 | | 34.302 | | 26.81 | | | | 1483.6 | | 652 | | | 4 | |
| OBS | 244 | 7.98 | | 34.501 | | 26.91 | | | | 1486.2 | | 556 | | | 9 | |
| OBS | 293 | 7.44 | | 34.471 | | 26.96 | | | | 1484.9 | | 540 | | | 12 | |
| OBS | 396 | 6.06 | | 34.345 | | 27.05 | | | | 1481.0 | | 535 | | | 17 | |
| OBS | 600 | 4.50 | | 34.294 | | 27.19 | | | | 1477.9 | | 525 | | | 27 | |
| OBS | 805 | 3.42 | | 34.323 | | 27.33 | | | | 1476.8 | | 493 | | | 42 | |
| OBS | 1010 | 3.02 | | 34.413 | | 27.44 | | | | 1478.6 | | 444 | | | 57 | |
| OBS | 1215 | 2.73 | | 34.531 | | 27.56 | | | | 1481.0 | | 421 | | | 67 | |
| OBS | 1505 | 2.59 | | 34.639 | | 27.66 | | | | 1485.4 | | 412 | | | 76 | |
| OBS | 1756 | 2.46 | | 34.714 | | 27.73 | | | | 1489.2 | | 425 | | | 78 | |
| OBS | 2008 | 2.35 | | 34.746 | | 27.76 | | | | 1493.0 | | 448 | | | 82 | |
| OBS | 2261 | 2.10 | | 34.756 | | 27.79 | | | | 1496.3 | | 463 | | | 86 | |
| OBS | 2512 | 1.89 | | 34.766 | | 27.81 | | | | 1499.7 | | 463 | | | 94 | |
| OBS | 2764 | 1.58 | | 34.748 | | 27.82 | | | | 1502.7 | | 464 | | | 106 | |
| OBS | 3017 | 1.36 | | 34.739 | | 27.83 | | | | 1506.1 | | 473 | | | 112 | |
| OBS | 3269 | 1.07 | | 34.743 | | 27.86 | | | | 1509.2 | | 480 | | | 120 | |
| OBS | 3561 | 0.96 | | 34.725 | | 27.85 | | | | 1513.8 | | 485 | | | 124 | |
| OBS | 3613 | 0.94 | | 34.732 | | 27.86 | | | | 1514.7 | | 495 | | | 123 | |
| ISL | 0 | 8.28 | | 34.420 | | 26.80 | | 125.92 | 0.000 | 1483.2 | | | | | | |
| ISL | 10 | 8.22 | | 34.412 | | 26.80 | | 125.73 | 0.013 | 1483.1 | | | | | | |
| ISL | 20 | 8.15 | | 34.404 | | 26.80 | | 125.60 | 0.025 | 1483.1 | | | | | | |
| ISL | 30 | 8.09 | | 34.396 | | 26.81 | | 125.54 | 0.038 | 1483.0 | | | | | | |
| ISL | 50 | 8.01 | | 34.382 | | 26.81 | | 125.66 | 0.063 | 1483.0 | | | | | | |
| ISL | 75 | 7.94 | | 34.365 | | 26.80 | | 126.53 | 0.094 | 1483.1 | | | | | | |
| ISL | 100 | 7.93 | | 34.353 | | 26.80 | | 127.65 | 0.126 | 1483.5 | | | | | | |
| ISL | 125 | 7.99 | | 34.355 | | 26.79 | | 128.77 | 0.158 | 1484.1 | | | | | | |
| ISL | 150 | 8.02 | | 34.368 | | 26.80 | | 128.71 | 0.190 | 1484.6 | | | | | | |
| ISL | 200 | 7.56 | | 34.307 | | 26.82 | | 127.41 | 0.254 | 1483.6 | | | | | | |
| ISL | 250 | 7.96 | | 34.509 | | 26.91 | | 119.17 | 0.316 | 1486.2 | | | | | | |
| ISL | 300 | 7.35 | | 34.464 | | 26.97 | | 114.55 | 0.374 | 1484.7 | | | | | | |
| ISL | 400 | 6.02 | | 34.342 | | 27.05 | | 107.05 | 0.485 | 1480.9 | | | | | | |
| ISL | 500 | 5.12 | | 34.295 | | 27.13 | | 100.49 | 0.589 | 1478.8 | | | | | | |
| ISL | 600 | 4.50 | | 34.294 | | 27.19 | | 94.26 | 0.686 | 1477.9 | | | | | | |
| ISL | 700 | 3.90 | | 34.299 | | 27.26 | | 87.87 | 0.777 | 1477.0 | | | | | | |
| ISL | 800 | 3.44 | | 34.322 | | 27.33 | | 81.87 | 0.862 | 1476.8 | | | | | | |
| ISL | 900 | 3.20 | | 34.358 | | 27.38 | | 77.30 | 0.942 | 1477.5 | | | | | | |
| ISL | 1000 | 3.04 | | 34.408 | | 27.43 | | 72.46 | 1.017 | 1478.5 | | | | | | |
| ISL | 1100 | 2.88 | | 34.463 | | 27.49 | | 67.26 | 1.087 | 1479.6 | | | | | | |
| ISL | 1200 | 2.75 | | 34.523 | | 27.55 | | 61.92 | 1.151 | 1480.8 | | | | | | |
| ISL | 1300 | 2.69 | | 34.569 | | 27.59 | | 58.48 | 1.211 | 1482.3 | | | | | | |
| ISL | 1400 | 2.64 | | 34.604 | | 27.62 | | 55.92 | 1.269 | 1483.8 | | | | | | |
| ISL | 1500 | 2.59 | | 34.637 | | 27.65 | | 53.50 | 1.323 | 1485.3 | | | | | | |
| ISL | 1750 | 2.46 | | 34.713 | | 27.73 | | 47.79 | 1.450 | 1489.1 | | | | | | |
| ISL | 2000 | 2.36 | | 34.745 | | 27.76 | | 45.37 | 1.566 | 1492.9 | | | | | | |
| ISL | 2250 | 2.11 | | 34.756 | | 27.79 | | 42.68 | 1.676 | 1496.1 | | | | | | |
| ISL | 2500 | 1.90 | | 34.766 | | 27.81 | | 40.27 | 1.780 | 1499.5 | | | | | | |
| ISL | 2750 | 1.59 | | 34.749 | | 27.82 | | 38.28 | 1.878 | 1502.5 | | | | | | |
| ISL | 3000 | 1.38 | | 34.739 | | 27.83 | | 36.73 | 1.972 | 1505.9 | | | | | | |
| ISL | 3250 | 1.09 | | 34.743 | | 27.85 | | 32.99 | 2.059 | 1509.0 | | | | | | |
| ISL | 3500 | 0.98 | | 34.727 | | 27.85 | | 33.12 | 2.142 | 1512.9 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|--------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 54 | 1551 | 0 | | 30 | 6 | 72 | 7.1 | 4600.3S | 8648.7E | 471 | 3585 | 8.C | | 266 | 294 | 22 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 1 | 9.34 | | 34.664 | | 26.82 | | | | 1487.6 | 622 | | | | | 4 |
| OBS | 58 | 9.35 | | 34.666 | | 26.82 | | | | 1488.5 | 628 | | | | | 4 |
| OBS | 116 | 9.34 | | 34.671 | | 26.83 | | | | 1489.5 | 619 | | | | | 5 |
| OBS | 175 | 9.33 | | 34.656 | | 26.82 | | | | 1490.4 | 624 | | | | | 5 |
| OBS | 229 | 9.34 | | 34.660 | | 26.82 | | | | 1491.3 | 616 | | | | | 5 |
| OBS | 332 | 9.37 | | 34.668 | | 26.82 | | | | 1493.1 | 617 | | | | | 5 |
| OBS | 436 | 9.00 | | 34.674 | | 26.88 | | | | 1493.5 | 527 | | | | | 9 |
| OBS | 541 | 8.33 | | 34.620 | | 26.95 | | | | 1492.6 | 497 | | | | | 13 |
| OBS | 645 | 7.17 | | 34.515 | | 27.03 | | | | 1489.7 | 517 | | | | | 18 |
| OBS | 849 | 4.76 | | 34.351 | | 27.21 | | | | 1483.2 | 505 | | | | | 28 |
| OBS | 1054 | 3.58 | | 34.353 | | 27.34 | | | | 1481.7 | 485 | | | | | 42 |
| OBS | 1258 | | | 34.431 | | | | | | | 440 | | | | | 56 |
| OBS | 1294 | 2.84 | | 34.456 | | 27.49 | | | | 1482.7 | 439 | | | | | 60 |
| OBS | 1547 | 2.71 | | 34.585 | | 27.60 | | | | 1486.6 | 416 | | | | | 71 |
| OBS | 1602 | 2.64 | | 34.612 | | 27.63 | | | | 1487.3 | 411 | | | | | 73 |
| OBS | 2055 | 2.37 | | 34.725 | | 27.74 | | | | 1494.0 | 433 | | | | | 79 |
| OBS | 2309 | 2.23 | | 34.754 | | 27.78 | | | | 1497.8 | 456 | | | | | 83 |
| OBS | 2818 | 1.69 | | 34.751 | | 27.82 | | | | 1504.2 | 464 | | | | | 100 |
| OBS | 3071 | 1.39 | | 34.733 | | 27.83 | | | | 1507.3 | 471 | | | | | 110 |
| OBS | 3319 | 1.07 | | 34.722 | | 27.84 | | | | 1510.2 | 482 | | | | | 121 |
| OBS | 3448 | 0.99 | | 34.715 | | 27.84 | | | | 1512.1 | 486 | | | | | 122 |
| OBS | 3497 | 0.98 | | 34.720 | | 27.84 | | | | 1512.9 | 490 | | | | | 123 |
| PING | 70 | | | | | | | | | | | | | | | |
| ISL | 0 | 9.34 | | 34.664 | | 26.82 | 123.75 | 0.000 | | 1487.5 | | | | | | |
| ISL | 10 | 9.34 | | 34.664 | | 26.82 | 123.95 | 0.012 | | 1487.7 | | | | | | |
| ISL | 20 | 9.35 | | 34.665 | | 26.82 | 124.18 | 0.025 | | 1487.9 | | | | | | |
| ISL | 30 | 9.35 | | 34.665 | | 26.82 | 124.37 | 0.037 | | 1488.1 | | | | | | |
| ISL | 50 | 9.35 | | 34.666 | | 26.82 | 124.78 | 0.062 | | 1488.4 | | | | | | |
| ISL | 75 | 9.35 | | 34.667 | | 26.82 | 125.13 | 0.093 | | 1488.8 | | | | | | |
| ISL | 100 | 9.34 | | 34.670 | | 26.82 | 125.42 | 0.125 | | 1489.2 | | | | | | |
| ISL | 125 | 9.34 | | 34.670 | | 26.82 | 125.83 | 0.156 | | 1489.6 | | | | | | |
| ISL | 150 | 9.33 | | 34.662 | | 26.82 | 126.89 | 0.188 | | 1490.0 | | | | | | |
| ISL | 200 | 9.33 | | 34.658 | | 26.82 | 128.14 | 0.251 | | 1490.8 | | | | | | |
| ISL | 250 | 9.35 | | 34.662 | | 26.82 | 129.06 | 0.316 | | 1491.7 | | | | | | |
| ISL | 300 | 9.36 | | 34.665 | | 26.82 | 130.06 | 0.381 | | 1492.5 | | | | | | |
| ISL | 400 | 9.17 | | 34.673 | | 26.85 | 128.41 | 0.510 | | 1493.5 | | | | | | |
| ISL | 500 | 8.64 | | 34.648 | | 26.92 | 123.74 | 0.636 | | 1493.1 | | | | | | |
| ISL | 600 | 7.69 | | 34.560 | | 26.99 | 117.28 | 0.756 | | 1491.0 | | | | | | |
| ISL | 700 | 6.54 | | 34.465 | | 27.08 | 109.08 | 0.870 | | 1488.1 | | | | | | |
| ISL | 800 | 5.34 | | 34.377 | | 27.16 | 100.67 | 0.974 | | 1484.8 | | | | | | |
| ISL | 900 | 4.37 | | 34.339 | | 27.24 | 92.27 | 1.071 | | 1482.4 | | | | | | |
| ISL | 1000 | 3.81 | | 34.341 | | 27.30 | 86.21 | 1.160 | | 1481.7 | | | | | | |
| ISL | 1100 | 3.39 | | 34.362 | | 27.36 | 80.51 | 1.243 | | 1481.7 | | | | | | |
| ISL | 1200 | 3.05 | | 34.398 | | 27.42 | 74.64 | 1.321 | | 1482.0 | | | | | | |
| ISL | 1300 | 2.83 | | 34.460 | | 27.49 | 68.15 | 1.392 | | 1482.8 | | | | | | |
| ISL | 1400 | 2.81 | | 34.512 | | 27.53 | 64.74 | 1.459 | | 1484.5 | | | | | | |
| ISL | 1500 | 2.75 | | 34.562 | | 27.58 | 60.92 | 1.522 | | 1486.0 | | | | | | |
| ISL | 1750 | 2.54 | | 34.668 | | 27.68 | 52.06 | 1.663 | | 1489.4 | | | | | | |
| ISL | 2000 | 2.40 | | 34.716 | | 27.73 | 48.09 | 1.788 | | 1493.2 | | | | | | |
| ISL | 2250 | 2.26 | | 34.749 | | 27.77 | 45.11 | 1.905 | | 1496.9 | | | | | | |
| ISL | 2500 | 2.05 | | 34.762 | | 27.80 | 42.55 | 2.014 | | 1500.3 | | | | | | |
| ISL | 2750 | 1.77 | | 34.754 | | 27.81 | 40.23 | 2.118 | | 1503.4 | | | | | | |
| ISL | 3000 | 1.48 | | 34.737 | | 27.82 | 38.23 | 2.216 | | 1506.4 | | | | | | |
| ISL | 3250 | 1.16 | | 34.725 | | 27.84 | 35.30 | 2.308 | | 1509.4 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|--|-----|-----|-----|
| EL 54 | 1552 | 0 | | 30 | 6 | 72 | 23.4 | 4701.4S | 8631.1E | 471 | 3579 | 5.0 | | 237 | 254 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | |
| OBS | 1 | 8.83 | 34.549 | | 26.81 | | | 1485.5 | 632 | | | | | | | 4 |
| OBS | 47 | 8.83 | 34.535 | | 26.80 | | | 1486.2 | 683 | | | | | | | 4 |
| OBS | 94 | 8.83 | 34.541 | | 26.81 | | | 1487.0 | 628 | | | | | | | 4 |
| OBS | 192 | 8.84 | 34.542 | | 26.81 | | | 1488.7 | 623 | | | | | | | 4 |
| OBS | 292 | 8.92 | 34.567 | | 26.81 | | | 1490.6 | 613 | | | | | | | 4 |
| OBS | 390 | 7.98 | 34.560 | | 26.95 | | | 1488.7 | 533 | | | | | | | 10 |
| OBS | 490 | 6.35 | 34.377 | | 27.04 | | | 1483.7 | 530 | | | | | | | 16 |
| OBS | 595 | 5.42 | 34.354 | | 27.14 | | | 1481.7 | 513 | | | | | | | 23 |
| OBS | 793 | 4.16 | 34.353 | | 27.28 | | | 1479.7 | 489 | | | | | | | 36 |
| OBS | 997 | 3.20 | 34.386 | | 27.40 | | | 1479.1 | 462 | | | | | | | 51 |
| OBS | 1201 | 2.74 | 34.480 | | 27.52 | | | 1480.7 | 430 | | | | | | | 65 |
| OBS | 1256 | 2.73 | 34.507 | | 27.54 | | | 1481.6 | 424 | | | | | | | 67 |
| OBS | 1506 | 2.60 | 34.625 | | 27.64 | | | 1485.4 | 415 | | | | | | | 75 |
| OBS | 1761 | 2.53 | | | | | | | | | | | | | | |
| OBS | 2021 | 2.37 | 34.736 | | 27.75 | | | 1493.3 | 446 | | | | | | | 81 |
| OBS | 2281 | 2.14 | 34.753 | | 27.78 | | | 1496.7 | 456 | | | | | | | 87 |
| OBS | 2538 | 1.92 | 34.759 | | 27.81 | | | 1500.2 | 466 | | | | | | | 94 |
| OBS | 2797 | 1.60 | 34.749 | | 27.82 | | | 1503.2 | 467 | | | | | | | 105 |
| OBS | 3056 | 1.35 | 34.739 | | 27.83 | | | 1506.6 | 473 | | | | | | | 112 |
| OBS | 3311 | 1.15 | | | | | | | | | | | | | | |
| OBS | 3470 | 0.94 | 34.714 | | 27.84 | | | 1512.0 | 488 | | | | | | | 112 |
| OBS | 3525 | 0.74 | 34.709 | | 27.85 | | | 1512.1 | 495 | | | | | | | 128 |
| OBS | 3570 | 0.73 | 34.703 | | 27.85 | | | 1512.8 | 495 | | | | | | | 128 |
| ISL | 0 | 8.83 | 34.549 | | 26.81 | 124.45 | 0.000 | 1485.5 | | | | | | | | |
| ISL | 10 | 8.83 | 34.545 | | 26.81 | 124.93 | 0.012 | 1485.6 | | | | | | | | |
| ISL | 20 | 8.83 | 34.542 | | 26.81 | 125.38 | 0.025 | 1485.8 | | | | | | | | |
| ISL | 30 | 8.83 | 34.539 | | 26.80 | 125.79 | 0.038 | 1486.0 | | | | | | | | |
| ISL | 50 | 8.83 | 34.535 | | 26.80 | 126.48 | 0.063 | 1486.3 | | | | | | | | |
| ISL | 75 | 8.83 | 34.539 | | 26.80 | 126.66 | 0.094 | 1486.7 | | | | | | | | |
| ISL | 100 | 8.83 | 34.541 | | 26.81 | 126.93 | 0.126 | 1487.1 | | | | | | | | |
| ISL | 125 | 8.83 | 34.543 | | 26.81 | 127.35 | 0.158 | 1487.5 | | | | | | | | |
| ISL | 150 | 8.83 | 34.542 | | 26.81 | 127.88 | 0.190 | 1487.9 | | | | | | | | |
| ISL | 200 | 8.84 | 34.543 | | 26.81 | 128.96 | 0.254 | 1488.8 | | | | | | | | |
| ISL | 250 | 8.89 | 34.557 | | 26.81 | 129.57 | 0.319 | 1489.8 | | | | | | | | |
| ISL | 300 | 8.88 | 34.568 | | 26.82 | 129.58 | 0.383 | 1490.6 | | | | | | | | |
| ISL | 400 | 7.85 | 34.549 | | 26.96 | 117.05 | 0.507 | 1488.3 | | | | | | | | |
| ISL | 500 | 6.23 | 34.368 | | 27.05 | 109.27 | 0.620 | 1483.4 | | | | | | | | |
| ISL | 600 | 5.38 | 34.353 | | 27.14 | 100.55 | 0.725 | 1481.6 | | | | | | | | |
| ISL | 700 | 4.68 | 34.347 | | 27.22 | 93.41 | 0.822 | 1480.3 | | | | | | | | |
| ISL | 800 | 4.12 | 34.354 | | 27.28 | 87.27 | 0.912 | 1479.7 | | | | | | | | |
| ISL | 900 | 3.60 | 34.364 | | 27.34 | 81.34 | 0.996 | 1479.2 | | | | | | | | |
| ISL | 1000 | 3.19 | 34.387 | | 27.40 | 75.70 | 1.075 | 1479.1 | | | | | | | | |
| ISL | 1100 | 2.89 | 34.432 | | 27.46 | 69.71 | 1.148 | 1479.6 | | | | | | | | |
| ISL | 1200 | 2.74 | 34.479 | | 27.52 | 65.10 | 1.215 | 1480.6 | | | | | | | | |
| ISL | 1300 | 2.71 | 34.528 | | 27.56 | 61.76 | 1.279 | 1482.3 | | | | | | | | |
| ISL | 1400 | 2.65 | 34.576 | | 27.60 | 58.08 | 1.338 | 1483.7 | | | | | | | | |
| ISL | 1500 | 2.60 | 34.623 | | 27.64 | 54.71 | 1.395 | 1485.3 | | | | | | | | |
| ISL | 1750 | 2.53 | 34.699 | | 27.71 | 49.69 | 1.525 | 1489.3 | | | | | | | | |
| ISL | 2000 | 2.39 | 34.734 | | 27.75 | 46.58 | 1.646 | 1493.0 | | | | | | | | |
| ISL | 2250 | 2.17 | 34.752 | | 27.78 | 43.69 | 1.758 | 1496.3 | | | | | | | | |
| ISL | 2500 | 1.95 | 34.759 | | 27.80 | 41.43 | 1.865 | 1499.7 | | | | | | | | |
| ISL | 2750 | 1.65 | 34.751 | | 27.82 | 38.92 | 1.965 | 1502.6 | | | | | | | | |
| ISL | 3000 | 1.40 | 34.741 | | 27.83 | 36.88 | 2.060 | 1505.8 | | | | | | | | |
| ISL | 3250 | 1.20 | 34.730 | | 27.84 | 35.54 | 2.151 | 1509.3 | | | | | | | | |
| ISL | 3500 | 0.83 | 34.711 | | 27.85 | 32.13 | 2.235 | 1512.0 | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 54 | 1553 | 0 | | 1 | 7 | 72 | 14.0 | 4802.8S | 8607.5E | 471 | 3905 | 2.4 | | 216 | 224 | 21 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 1 | 5.47 | | 34.0150 | | 26.860 | | | | 1471.60 | 693 | | | 5 | | |
| OBS | 53 | 5.45 | | 33.984 | | 26.84 | | | | 1472.4 | 695 | | | 5 | | |
| OBS | 155 | 5.85 | | 34.042 | | 26.84 | | | | 1475.8 | 678 | | | 5 | | |
| OBS | 179 | 6.64 | | 34.293 | | 26.93 | | | | 1479.6 | 593 | | | 10 | | |
| OBS | 203 | 5.68 | | 34.211 | | 26.99 | | | | 1476.1 | 607 | | | 12 | | |
| OBS | 252 | 5.75 | | 34.285 | | 27.04 | | | | 1477.3 | 567 | | | 15 | | |
| OBS | 354 | 4.68 | | 34.337 | | 27.21 | | | | 1474.6 | 533 | | | 24 | | |
| OBS | 441 | 4.21 | | 34.316 | | 27.24 | | | | 1474.1 | 516 | | | 31 | | |
| OBS | 634 | 2.81 | | 34.302 | | 27.37 | | | | 1471.3 | 514 | | | 44 | | |
| OBS | 827 | 2.76 | | 34.430 | | 27.47 | | | | 1474.5 | 447 | | | 60 | | |
| OBS | 1070 | 2.64 | | 34.564 | | 27.59 | | | | 1478.2 | 412 | | | 70 | | |
| OBS | 1315 | 2.53 | | 34.650 | | 27.67 | | | | 1482.0 | 414 | | | 78 | | |
| OBS | 1559 | 2.45 | | 34.717 | | 27.73 | | | | 1485.9 | 429 | | | 77 | | |
| OBS | 1803 | 2.33 | | 34.749 | | 27.77 | | | | 1489.5 | 450 | | | 79 | | |
| OBS | 2097 | 2.14 | | 34.778 | | 27.80 | | | | 1493.7 | 461 | | | 85 | | |
| OBS | 2336 | 1.92 | | 34.782 | | 27.83 | | | | 1496.9 | 467 | | | 91 | | |
| OBS | 2582 | 1.62 | | 34.758 | | 27.83 | | | | 1499.8 | 470 | | | 100 | | |
| OBS | 2867 | 1.33 | | 34.745 | | 27.84 | | | | 1503.4 | 472 | | | 111 | | |
| OBS | 3151 | 1.14 | | 34.736 | | 27.85 | | | | 1507.5 | 482 | | | 117 | | |
| OBS | 3437 | 0.83 | | | | | | | | | | | | | | |
| OBS | 3691 | 0.52 | | 34.705 | | 27.86 | | | | 1514.3 | 507 | | | 131 | | |
| PING | 43 | | | | | | | | | | | | | | | |
| ISL | 0 | 5.47 | | 33.984 | | 26.84 | | 122.06 | 0.000 | 1471.6 | | | | | | |
| ISL | 10 | 5.45 | | 33.984 | | 26.84 | | 121.96 | 0.012 | 1471.7 | | | | | | |
| ISL | 20 | 5.44 | | 33.984 | | 26.84 | | 121.93 | 0.024 | 1471.8 | | | | | | |
| ISL | 30 | 5.43 | | 33.984 | | 26.84 | | 121.99 | 0.037 | 1471.9 | | | | | | |
| ISL | 50 | 5.45 | | 33.984 | | 26.84 | | 122.37 | 0.061 | 1472.3 | | | | | | |
| ISL | 75 | 5.49 | | 33.935 | | 26.80 | | 126.77 | 0.092 | 1472.8 | | | | | | |
| ISL | 100 | 5.52 | | 33.919 | | 26.78 | | 128.69 | 0.124 | 1473.4 | | | | | | |
| ISL | 125 | 5.55 | | 33.948 | | 26.80 | | 127.05 | 0.156 | 1475.9 | | | | | | |
| ISL | 150 | 5.74 | | 34.022 | | 26.83 | | 124.22 | 0.187 | 1475.2 | | | | | | |
| ISL | 200 | 5.78 | | 34.219 | | 26.99 | | 110.61 | 0.246 | 1476.4 | | | | | | |
| ISL | 250 | 5.75 | | 34.282 | | 27.04 | | 106.18 | 0.300 | 1477.2 | | | | | | |
| ISL | 300 | 5.19 | | 34.325 | | 27.14 | | 96.87 | 0.351 | 1475.8 | | | | | | |
| ISL | 400 | 4.44 | | 34.326 | | 27.23 | | 89.20 | 0.444 | 1474.4 | | | | | | |
| ISL | 500 | 3.83 | | 34.306 | | 27.27 | | 84.91 | 0.531 | 1473.5 | | | | | | |
| ISL | 600 | 3.04 | | 34.296 | | 27.34 | | 78.27 | 0.613 | 1471.7 | | | | | | |
| ISL | 700 | 2.79 | | 34.346 | | 27.40 | | 72.59 | 0.688 | 1472.4 | | | | | | |
| ISL | 800 | 2.77 | | 34.413 | | 27.46 | | 67.99 | 0.759 | 1474.1 | | | | | | |
| ISL | 900 | 2.72 | | 34.475 | | 27.51 | | 63.49 | 0.824 | 1475.6 | | | | | | |
| ISL | 1000 | 2.67 | | 34.530 | | 27.56 | | 59.52 | 0.886 | 1477.2 | | | | | | |
| ISL | 1100 | 2.63 | | 34.577 | | 27.60 | | 56.09 | 0.944 | 1478.7 | | | | | | |
| ISL | 1200 | 2.58 | | 34.615 | | 27.64 | | 53.31 | 0.998 | 1480.2 | | | | | | |
| ISL | 1300 | 2.54 | | 34.645 | | 27.67 | | 51.16 | 1.051 | 1481.8 | | | | | | |
| ISL | 1400 | 2.50 | | 34.677 | | 27.69 | | 48.94 | 1.101 | 1483.3 | | | | | | |
| ISL | 1500 | 2.47 | | 34.703 | | 27.72 | | 47.23 | 1.149 | 1484.9 | | | | | | |
| ISL | 1750 | 2.36 | | 34.743 | | 27.76 | | 44.32 | 1.263 | 1488.7 | | | | | | |
| ISL | 2000 | 2.21 | | 34.771 | | 27.79 | | 41.68 | 1.371 | 1492.4 | | | | | | |
| ISL | 2250 | 2.01 | | 34.783 | | 27.82 | | 39.34 | 1.472 | 1495.8 | | | | | | |
| ISL | 2500 | 1.72 | | 34.765 | | 27.83 | | 37.87 | 1.568 | 1498.8 | | | | | | |
| ISL | 2750 | 1.44 | | 34.749 | | 27.84 | | 36.14 | 1.661 | 1501.9 | | | | | | |
| ISL | 3000 | 1.24 | | 34.740 | | 27.84 | | 34.74 | 1.750 | 1505.3 | | | | | | |
| ISL | 3250 | 1.05 | | 34.731 | | 27.85 | | 33.27 | 1.835 | 1508.8 | | | | | | |
| ISL | 3500 | 0.76 | | 34.717 | | 27.86 | | 30.60 | 1.914 | 1511.9 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 54 | 1554 | 0 | | 2 | 7 | 72 | 5.4 | 4858.9S | 8537.5E | 471 | 4246 | 5.3 | | 296 | 304 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 4.71 | 33.995 | 26.93 | | | 1468.5 | 693 | | | 6 | | | | | |
| OBS | 55 | 4.70 | 33.996 | 26.94 | | | 1469.3 | 704 | | | 6 | | | | | |
| OBS | 109 | 4.70 | 34.003 | 26.94 | | | 1470.2 | 698 | | | 6 | | | | | |
| OBS | 138 | 4.71 | 33.997 | 26.94 | | | 1470.7 | 789C | | | 6 | | | | | |
| OBS | 163 | 4.73 | 33.993 | 26.93 | | | 1471.2 | 702 | | | 6 | | | | | |
| OBS | 193 | 4.74 | 33.998 | 26.93 | | | 1471.8 | 700 | | | 6 | | | | | |
| OBS | 219 | 4.78 | 34.009 | 26.94 | | | 1472.4 | 696 | | | 6 | | | | | |
| OBS | 338 | 4.28 | 34.197 | 27.14 | | | 1472.5 | 584 | | | 20 | | | | | |
| OBS | 541 | 3.11 | 34.257 | 27.30 | | | 1471.0 | 532 | | | 36 | | | | | |
| OBS | 742 | 2.82 | 34.388 | 27.44 | | | 1473.2 | 464 | | | 53 | | | | | |
| OBS | 943 | 2.59 | 34.516 | 27.56 | | | 1475.8 | 422 | | | 66 | | | | | |
| OBS | 1145 | 2.54 | 34.616 | 27.64 | | | 1479.1 | 406 | | | 72 | | | | | |
| OBS | 1315 | 1.87C | 34.679 | 27.75C | | | 1479.1C | 425 | | | 76 | | | | | |
| OBS | 1570 | 2.34 | 34.737 | 27.76 | | | 1485.5 | 433 | | | 72 | | | | | |
| OBS | 1832 | 2.17 | 34.756 | 27.78 | | | 1489.2 | 450 | | | 82 | | | | | |
| OBS | 2131 | 1.88 | 34.759 | 27.81 | | | 1493.0 | 461 | | | 90 | | | | | |
| OBS | 2436 | 1.60 | 34.753 | 27.83 | | | 1497.0 | 473 | | | 98 | | | | | |
| OBS | 2792 | 1.24 | 34.736 | 27.84 | | | 1501.5 | 477 | | | 108 | | | | | |
| OBS | 3147 | 0.96 | 34.725 | 27.85 | | | 1506.4 | 482 | | | 118 | | | | | |
| OBS | 3504 | 0.53 | 34.702 | 27.86 | | | 1510.8 | 503 | | | 124 | | | | | |
| OBS | 3859 | 0.26 | 34.688 | 27.86 | | | 1515.8 | 520 | | | 129 | | | | | |
| OBS | 4110 | 0.24 | 34.686 | 27.86 | | | 1520.1 | 524 | | | 130 | | | | | |
| OBS | 4130 | 0.25 | 34.691 | 27.86 | | | 1520.5 | 524 | | | 130 | | | | | |
| ISL | 0 | 4.71 | 33.995 | 26.93 | 112.92 | 0.000 | 1468.5 | | | | | | | | | |
| ISL | 10 | 4.71 | 33.995 | 26.93 | 112.97 | 0.011 | 1468.6 | | | | | | | | | |
| ISL | 20 | 4.71 | 33.995 | 26.94 | 113.06 | 0.023 | 1468.8 | | | | | | | | | |
| ISL | 30 | 4.70 | 33.995 | 26.94 | 113.11 | 0.034 | 1468.9 | | | | | | | | | |
| ISL | 50 | 4.70 | 33.996 | 26.94 | 113.26 | 0.057 | 1469.3 | | | | | | | | | |
| ISL | 75 | 4.70 | 33.998 | 26.94 | 113.31 | 0.085 | 1469.7 | | | | | | | | | |
| ISL | 100 | 4.70 | 34.002 | 26.94 | 113.25 | 0.113 | 1470.1 | | | | | | | | | |
| ISL | 125 | 4.70 | 34.000 | 26.94 | 113.77 | 0.142 | 1470.5 | | | | | | | | | |
| ISL | 150 | 4.72 | 33.995 | 26.93 | 114.56 | 0.170 | 1471.0 | | | | | | | | | |
| ISL | 200 | 4.75 | 34.000 | 26.93 | 114.99 | 0.227 | 1471.9 | | | | | | | | | |
| ISL | 250 | 4.73 | 34.047 | 26.97 | 111.75 | 0.284 | 1472.7 | | | | | | | | | |
| ISL | 300 | 4.47 | 34.146 | 27.08 | 102.02 | 0.338 | 1472.6 | | | | | | | | | |
| ISL | 400 | 3.96 | 34.209 | 27.18 | 92.78 | 0.435 | 1472.2 | | | | | | | | | |
| ISL | 500 | 3.33 | 34.240 | 27.27 | 84.63 | 0.524 | 1471.2 | | | | | | | | | |
| ISL | 600 | 3.00 | 34.295 | 27.35 | 77.87 | 0.605 | 1471.5 | | | | | | | | | |
| ISL | 700 | 2.87 | 34.361 | 27.41 | 72.34 | 0.680 | 1472.7 | | | | | | | | | |
| ISL | 800 | 2.74 | 34.425 | 27.47 | 66.80 | 0.750 | 1473.9 | | | | | | | | | |
| ISL | 900 | 2.63 | 34.490 | 27.53 | 61.38 | 0.814 | 1475.2 | | | | | | | | | |
| ISL | 1000 | 2.58 | 34.547 | 27.58 | 57.20 | 0.873 | 1476.7 | | | | | | | | | |
| ISL | 1100 | 2.55 | 34.596 | 27.62 | 53.86 | 0.929 | 1478.3 | | | | | | | | | |
| ISL | 1200 | 2.52 | 34.638 | 27.66 | 50.93 | 0.981 | 1479.9 | | | | | | | | | |
| ISL | 1300 | 2.48 | 34.674 | 27.69 | 48.40 | 1.031 | 1481.5 | | | | | | | | | |
| ISL | 1400 | 2.43 | 34.703 | 27.72 | 46.29 | 1.078 | 1483.0 | | | | | | | | | |
| ISL | 1500 | 2.38 | 34.725 | 27.74 | 44.58 | 1.123 | 1484.5 | | | | | | | | | |
| ISL | 1750 | 2.23 | 34.753 | 27.78 | 42.03 | 1.232 | 1488.1 | | | | | | | | | |
| ISL | 2000 | 2.01 | 34.760 | 27.80 | 39.97 | 1.334 | 1491.3 | | | | | | | | | |
| ISL | 2250 | 1.77 | 34.758 | 27.82 | 38.18 | 1.432 | 1494.6 | | | | | | | | | |
| ISL | 2500 | 1.54 | 34.750 | 27.83 | 36.63 | 1.525 | 1497.8 | | | | | | | | | |
| ISL | 2750 | 1.28 | 34.738 | 27.84 | 34.92 | 1.615 | 1501.0 | | | | | | | | | |
| ISL | 3000 | 1.07 | 34.729 | 27.84 | 33.32 | 1.700 | 1504.4 | | | | | | | | | |
| ISL | 3250 | 0.85 | 34.719 | 27.85 | 31.42 | 1.781 | 1507.7 | | | | | | | | | |
| ISL | 3500 | 0.53 | 34.702 | 27.86 | 28.56 | 1.856 | 1510.7 | | | | | | | | | |
| ISL | 3750 | 0.32 | 34.691 | 27.86 | 26.43 | 1.925 | 1514.1 | | | | | | | | | |
| ISL | 4000 | 0.22 | 34.684 | 27.86 | 25.50 | 1.990 | 1518.1 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|----|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|-----|
| EL 54 | 1555 | 0 | | 2 | 7 | 72 | 19.7 | 4959.0S | 8517.5E | 471 | 4279 | 1.8 | | 237 | 324 | 8 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | |
| OBS | 38 | 4.23 | 33.898 | | | 26.91 | | | 1467.0 | 726 | | | 6 | | | |
| OBS | 89 | 4.03 | 33.867 | | | 26.91 | | | 1466.9 | 714 | | | 6 | | | |
| OBS | 215 | 3.71 | 33.951 | | | 27.00 | | | 1467.8 | 670 | | | 12 | | | |
| OBS | 314 | 3.58 | 34.157 | | | 27.18 | | | 1469.1 | 589 | | | 23 | | | |
| OBS | 417 | 3.14 | 34.210 | | | 27.26 | | | 1469.0 | 556 | | | 31 | | | |
| OBS | 616 | 2.53 | 34.314 | | | 27.40 | | | 1469.8 | 485 | | | 50 | | | |
| OBS | 818 | 2.27 | 34.458 | | | 27.54 | | | 1472.3 | 432 | | | 68 | | | |
| OBS | 1022 | 2.45 | 34.602 | | | 27.64 | | | 1476.7 | 406 | | | 76 | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|----|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|-----|
| EL 54 | 1556 | 0 | | 3 | 7 | 72 | 10.9 | 5100.3S | 8458.0E | 507 | 4258 | -0.3 | | 47 | 53 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | |
| OBS | 1 | 3.23 | 33.863 | | | 26.98 | | | 1462.1 | 709 | | | 8 | | | |
| OBS | 43 | 3.22 | 33.866 | | | 26.98 | | | 1462.7 | 714 | | | 8 | | | |
| OBS | 87 | 3.22 | 33.868 | | | 26.99 | | | 1463.5 | 713 | | | 8 | | | |
| OBS | 130 | 3.18 | 33.869 | | | 26.99 | | | 1464.0 | 714 | | | 8 | | | |
| OBS | 172 | 2.78 | 33.886 | | | 27.04 | | | 1463.0 | 712 | | | 10 | | | |
| OBS | 255 | 2.81 | 34.106 | | | 27.21 | | | 1464.8 | 606 | | | 26 | | | |
| OBS | 338 | 2.38 | 34.171 | | | 27.30 | | | 1464.4 | 569 | | | 37 | | | |
| OBS | 423 | 2.34 | 34.253 | | | 27.37 | | | 1465.7 | 517 | | | 46 | | | |
| OBS | 521 | 2.44 | 34.355 | | | 27.44 | | | 1467.9 | 466 | | | 55 | | | |
| OBS | 797 | 2.51 | 34.501 | | | 27.55 | | | 1473.0 | 414 | | | 68 | | | |
| OBS | 996 | 2.36 | 34.589 | | | 27.64 | | | 1475.8 | 404 | | | 76 | | | |
| OBS | 1094 | 2.32 | 34.665 | | | 27.70 | | | 1477.4 | 410 | | | 80 | | | |
| OBS | 1300 | 2.23 | 34.717 | | | 27.75 | | | 1480.5 | 424 | | | 83 | | | |
| OBS | 1661 | 2.06 | 34.763 | | | 27.80 | | | 1485.9 | 446 | | | 87 | | | |
| OBS | 2001 | 1.80 | 34.778 | | | 27.83 | | | 1490.6 | 459 | | | 94 | | | |
| OBS | 2354 | 1.46 | 34.746 | | | 27.83 | | | 1495.1 | 461 | | | 106 | | | |
| OBS | 2712 | 1.16 | 34.734 | | | 27.84 | | | 1500.0 | 473 | | | 114 | | | |
| OBS | 3069 | 0.84 | 34.716 | | | 27.85 | | | 1504.7 | 4720 | | | 123 | | | |
| OBS | 3416 | 0.49 | 34.698 | | | 27.86 | | | 1509.2 | 491 | | | 130 | | | |
| OBS | 3789 | 0.27 | | | | | | | | | | | | | | |
| OBS | 4089 | 0.15 | 34.693 | | | 27.87 | | | 1519.6 | 5010 | | | 126 | | | |
| OBS | 4213 | 0.11 | 34.682 | | | 27.86 | | | 1521.6 | 522 | | | 134 | | | |
| OBS | 4243 | 0.11 | 34.680 | | | 27.86 | | | 1522.2 | 523 | | | 134 | | | |
| PING | 14 | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|-----|------|------|--------|--|--|-------|--------|-------|--------|--|--|--|--|
| ISL | 0 | 3.23 | 33.863 | | | 26.98 | 108.55 | C.000 | 1462.1 | | | | |
| ISL | 10 | 3.23 | 33.864 | | | 26.98 | 108.55 | C.011 | 1462.2 | | | | |
| ISL | 20 | 3.23 | 33.864 | | | 26.98 | 108.53 | C.022 | 1462.4 | | | | |
| ISL | 30 | 3.22 | 33.865 | | | 26.98 | 108.52 | C.033 | 1462.5 | | | | |
| ISL | 50 | 3.22 | 33.866 | | | 26.98 | 108.52 | C.054 | 1462.8 | | | | |
| ISL | 75 | 3.22 | 33.868 | | | 26.98 | 108.59 | C.081 | 1463.2 | | | | |
| ISL | 100 | 3.21 | 33.868 | | | 26.99 | 108.66 | C.109 | 1463.6 | | | | |
| ISL | 125 | 3.20 | 33.869 | | | 26.99 | 108.68 | C.136 | 1464.0 | | | | |
| ISL | 150 | 3.00 | 33.873 | | | 27.01 | 106.74 | C.163 | 1463.5 | | | | |
| ISL | 200 | 2.78 | 33.951 | | | 27.09 | 99.21 | C.214 | 1463.5 | | | | |
| ISL | 250 | 2.82 | 34.097 | | | 27.20 | 88.85 | C.261 | 1464.7 | | | | |
| ISL | 300 | 2.56 | 34.141 | | | 27.26 | 83.57 | C.304 | 1464.5 | | | | |
| ISL | 400 | 2.33 | 34.230 | | | 27.35 | 75.35 | C.384 | 1465.3 | | | | |
| ISL | 500 | 2.42 | 34.333 | | | 27.43 | 68.91 | C.456 | 1467.4 | | | | |
| ISL | 600 | 2.49 | 34.407 | | | 27.48 | 64.56 | C.523 | 1469.5 | | | | |
| ISL | 700 | 2.52 | 34.454 | | | 27.51 | 61.88 | C.586 | 1471.4 | | | | |
| ISL | 800 | 2.51 | 34.502 | | | 27.55 | 58.69 | C.646 | 1473.0 | | | | |
| ISL | 900 | 2.42 | 34.547 | | | 27.60 | 55.04 | C.703 | 1474.4 | | | | |
| ISL | 1000 | 2.36 | 34.592 | | | 27.64 | 51.58 | C.756 | 1475.9 | | | | |
| ISL | 1100 | 2.32 | 34.668 | | | 27.70 | 46.01 | C.805 | 1477.5 | | | | |
| ISL | 1200 | 2.27 | 34.699 | | | 27.73 | 43.80 | C.850 | 1479.0 | | | | |
| ISL | 1300 | 2.23 | 34.717 | | | 27.75 | 42.50 | C.893 | 1480.5 | | | | |
| ISL | 1400 | 2.18 | 34.735 | | | 27.77 | 41.17 | C.935 | 1482.0 | | | | |
| ISL | 1500 | 2.14 | 34.749 | | | 27.78 | 40.10 | C.976 | 1483.5 | | | | |
| ISL | 1750 | 2.00 | 34.771 | | | 27.81 | 37.99 | 1.073 | 1487.2 | | | | |
| ISL | 2000 | 1.80 | 34.778 | | | 27.83 | 36.16 | 1.166 | 1490.6 | | | | |
| ISL | 2250 | 1.56 | 34.754 | | | 27.83 | 35.83 | 1.256 | 1493.8 | | | | |
| ISL | 2500 | 1.34 | 34.742 | | | 27.84 | 34.71 | 1.344 | 1497.1 | | | | |
| ISL | 2750 | 1.13 | 34.732 | | | 27.84 | 33.32 | 1.429 | 1500.5 | | | | |
| ISL | 3000 | 0.90 | 34.720 | | | 27.85 | 31.78 | 1.510 | 1503.8 | | | | |
| ISL | 3250 | 0.66 | 34.707 | | | 27.85 | 29.75 | 1.587 | 1507.1 | | | | |
| ISL | 3500 | 0.43 | 34.696 | | | 27.86 | 27.55 | 1.659 | 1510.4 | | | | |
| ISL | 3750 | 0.29 | 34.693 | | | 27.86 | 25.89 | 1.726 | 1514.2 | | | | |
| ISL | 4000 | 0.18 | 34.696 | | | 27.87 | 24.13 | 1.788 | 1518.2 | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 54 | 1557 | 0 | | 4 | 7 | 72 | 1.1 | 5205.5S | 8432.4E | 507 | 4346 | 0.0 | | 0 | 0 | 22 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 0.49 | 33.9010 | 27.220 | | | 1450.00 | 762 | | | 22 | | | | | |
| OBS | 56 | 0.46 | 33.875 | 27.20 | | | 1450.8 | 749 | | | 22 | | | | | |
| OBS | 111 | 0.42 | 33.881 | 27.20 | | | 1451.5 | 784 | | | 23 | | | | | |
| OBS | 166 | 0.20 | 33.895 | 27.23 | | | 1451.4 | 796 | | | 27 | | | | | |
| OBS | 221 | 0.61 | 34.088 | 27.36 | | | 1454.5 | 679 | | | 44 | | | | | |
| OBS | 326 | 1.34 | 34.3380 | 27.510 | | | 1459.80 | 521 | | | 63 | | | | | |
| OBS | 431 | 1.78 | 34.478 | 27.59 | | | 1463.7 | 452 | | | 73 | | | | | |
| OBS | 531 | 2.02 | 34.571 | 27.65 | | | 1466.5 | 424 | | | 77 | | | | | |
| OBS | 631 | 2.13 | 34.631 | 27.69 | | | 1468.7 | 425 | | | 80 | | | | | |
| OBS | 832 | 2.20 | 34.710 | 27.75 | | | 1472.5 | 433 | | | 81 | | | | | |
| OBS | 1033 | 2.10 | 34.736 | 27.77 | | | 1475.4 | 441 | | | 84 | | | | | |
| OBS | 1238 | 2.00 | 34.756 | 27.80 | | | 1478.5 | 449 | | | 86 | | | | | |
| OBS | 1535 | 1.82 | 34.757 | 27.81 | | | 1482.7 | 468 | | | 91 | | | | | |
| OBS | 1900 | 1.47 | 34.753 | 27.84 | | | 1487.3 | 481 | | | 101 | | | | | |
| OBS | 2247 | 1.27 | 34.756 | 27.85 | | | 1492.4 | 482 | | | 107 | | | | | |
| OBS | 2609 | 1.03 | 34.728 | 27.85 | | | 1497.5 | 491 | | | 116 | | | | | |
| OBS | 2954 | 0.70 | 34.706 | 27.85 | | | 1502.0 | 499 | | | 123 | | | | | |
| OBS | 3318 | 0.39 | 34.695 | 27.86 | | | 1506.9 | 515 | | | 128 | | | | | |
| OBS | 3664 | 0.21 | 34.686 | 27.86 | | | 1512.2 | 531 | | | 129 | | | | | |
| OBS | 4013 | 0.11 | 34.687 | 27.87 | | | 1517.9 | 540 | | | 131 | | | | | |
| OBS | 4252 | 0.07 | 34.678 | 27.86 | | | 1522.0 | 549 | | | 129 | | | | | |
| OBS | 4272 | | 34.682 | | | | | 547 | | | 131 | | | | | |
| ISL | 0 | 0.49 | 33.875 | 27.19 | 88.24 | 0.000 | 1450.0 | | | | | | | | | |
| ISL | 10 | 0.49 | 33.875 | 27.19 | 88.20 | 0.009 | 1450.1 | | | | | | | | | |
| ISL | 20 | 0.48 | 33.875 | 27.20 | 88.18 | 0.018 | 1450.3 | | | | | | | | | |
| ISL | 30 | 0.48 | 33.875 | 27.20 | 88.12 | 0.026 | 1450.4 | | | | | | | | | |
| ISL | 50 | 0.46 | 33.875 | 27.20 | 88.05 | 0.044 | 1450.7 | | | | | | | | | |
| ISL | 75 | 0.45 | 33.875 | 27.20 | 87.95 | 0.066 | 1451.0 | | | | | | | | | |
| ISL | 100 | 0.43 | 33.879 | 27.20 | 87.57 | 0.088 | 1451.4 | | | | | | | | | |
| ISL | 125 | 0.38 | 33.884 | 27.21 | 86.90 | 0.110 | 1451.5 | | | | | | | | | |
| ISL | 150 | 0.28 | 33.888 | 27.22 | 86.00 | 0.131 | 1451.5 | | | | | | | | | |
| ISL | 200 | 0.45 | 34.014 | 27.31 | 77.35 | 0.172 | 1453.3 | | | | | | | | | |
| ISL | 250 | 0.82 | 34.170 | 27.41 | 67.84 | 0.209 | 1456.0 | | | | | | | | | |
| ISL | 300 | 1.18 | 34.298 | 27.49 | 60.78 | 0.241 | 1458.6 | | | | | | | | | |
| ISL | 400 | 1.68 | 34.438 | 27.57 | 54.25 | 0.298 | 1462.7 | | | | | | | | | |
| ISL | 500 | 1.96 | 34.548 | 27.63 | 48.74 | 0.350 | 1465.7 | | | | | | | | | |
| ISL | 600 | 2.11 | 34.616 | 27.68 | 45.42 | 0.397 | 1468.1 | | | | | | | | | |
| ISL | 700 | 2.18 | 34.664 | 27.71 | 42.89 | 0.441 | 1470.1 | | | | | | | | | |
| ISL | 800 | 2.20 | 34.701 | 27.74 | 40.89 | 0.483 | 1472.0 | | | | | | | | | |
| ISL | 900 | 2.17 | 34.721 | 27.76 | 39.55 | 0.523 | 1473.5 | | | | | | | | | |
| ISL | 1000 | 2.12 | 34.732 | 27.77 | 38.72 | 0.562 | 1475.0 | | | | | | | | | |
| ISL | 1100 | 2.07 | 34.744 | 27.78 | 37.84 | 0.601 | 1476.4 | | | | | | | | | |
| ISL | 1200 | 2.02 | 34.753 | 27.79 | 37.10 | 0.638 | 1477.9 | | | | | | | | | |
| ISL | 1300 | 1.97 | 34.758 | 27.80 | 36.62 | 0.675 | 1479.4 | | | | | | | | | |
| ISL | 1400 | 1.91 | 34.758 | 27.81 | 36.53 | 0.711 | 1480.8 | | | | | | | | | |
| ISL | 1500 | 1.85 | 34.757 | 27.81 | 36.24 | 0.748 | 1482.2 | | | | | | | | | |
| ISL | 1750 | 1.61 | 34.755 | 27.83 | 34.75 | 0.837 | 1485.4 | | | | | | | | | |
| ISL | 2000 | 1.41 | 34.753 | 27.84 | 33.41 | 0.922 | 1488.8 | | | | | | | | | |
| ISL | 2250 | 1.27 | 34.756 | 27.85 | 32.19 | 1.004 | 1492.4 | | | | | | | | | |
| ISL | 2500 | 1.11 | 34.736 | 27.85 | 32.32 | 1.084 | 1496.0 | | | | | | | | | |
| ISL | 2750 | 0.89 | 34.718 | 27.85 | 31.33 | 1.164 | 1499.3 | | | | | | | | | |
| ISL | 3000 | 0.66 | 34.704 | 27.85 | 29.65 | 1.240 | 1502.6 | | | | | | | | | |
| ISL | 3250 | 0.44 | 34.697 | 27.86 | 27.50 | 1.312 | 1505.9 | | | | | | | | | |
| ISL | 3500 | 0.28 | 34.690 | 27.86 | 25.96 | 1.378 | 1509.6 | | | | | | | | | |
| ISL | 3750 | 0.18 | 34.685 | 27.86 | 24.86 | 1.442 | 1513.5 | | | | | | | | | |
| ISL | 4000 | 0.11 | 34.687 | 27.87 | 23.75 | 1.503 | 1517.7 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 54 | 1558 | 0 | | 4 | 7 | 72 | 17.3 | 5344.9S | 8351.9E | 507 | 4750 | C.C | | 125 | 143 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 0.30 | 33.911 | 27.23 | | | 1449.2 | 782 | | | | | | | | 25 |
| OBS | 75 | 0.97 | 34.088 | 27.34 | | | 1453.7 | 654 | | | | | | | | 39 |
| OBS | 129 | 1.87 | 34.361 | 27.49 | | | 1458.9 | 484 | | | | | | | | 61 |
| OBS | 169 | 2.07 | 34.471 | 27.56 | | | 1460.6 | 440 | | | | | | | | 69 |
| OBS | 258 | 2.13 | 34.581 | 27.65 | | | 1462.5 | 421 | | | | | | | | 76 |
| OBS | 338 | 2.10 | 34.653 | 27.71 | | | 1463.8 | 425 | | | | | | | | 80 |
| OBS | 443 | 2.17 | 34.693 | 27.73 | | | 1465.9 | 430 | | | | | | | | 80 |
| OBS | 547 | 2.09 | 34.723 | 27.76 | | | 1467.3 | 440 | | | | | | | | 83 |
| OBS | 651 | 1.88 | 34.723 | 27.78 | | | 1468.1 | 440 | | | | | | | | 88 |
| OBS | 855 | 1.77 | 34.747 | 27.81 | | | 1471.1 | 459 | | | | | | | | 91 |
| OBS | 1060 | 1.62 | 34.754 | 27.83 | | | 1473.9 | 470 | | | | | | | | 94 |
| OBS | 1265 | 1.46 | 34.753 | 27.84 | | | 1476.6 | 474 | | | | | | | | 99 |
| OBS | 1340 | 1.40 | 34.762 | 27.85 | | | 1477.6 | 478 | | | | | | | | 101 |
| OBS | 1689 | 1.05 | 34.725 | 27.84 | | | 1481.9 | 485 | | | | | | | | 112 |
| OBS | 2043 | 0.71 | 34.705 | 27.85 | | | 1486.4 | 487 | | | | | | | | 120 |
| OBS | 2395 | 0.43 | 34.695 | 27.86 | | | 1491.2 | 504 | | | | | | | | 126 |
| OBS | 2750 | 0.19 | 34.681 | 27.86 | | | 1496.3 | 530 | | | | | | | | 128 |
| OBS | 3102 | 0.03 | 34.677 | 27.86 | | | 1501.7 | 538 | | | | | | | | 130 |
| OBS | 3458 | -0.06 | | | | | | | | | | | | | | |
| OBS | 3811 | -0.10 | 34.675 | 27.87 | | | 1513.6 | 557 | | | | | | | | 130 |
| OBS | 4166 | -0.07 | 34.676 | 27.87 | | | 1520.1 | 559 | | | | | | | | 128 |
| OBS | 4569 | -0.06 | 34.676 | 27.87 | | | 1527.3 | 548C | | | | | | | | 129 |
| OBS | 4639 | -0.06 | 34.673 | 27.87 | | | 1528.6 | 560 | | | | | | | | 129 |
| PING | 43 | | | | | | | | | | | | | | | |
| ISL | 0 | 0.30 | 33.911 | 27.23 | 84.48 | 0.000 | 1449.2 | | | | | | | | | |
| ISL | 10 | 0.36 | 33.924 | 27.24 | 83.80 | 0.008 | 1449.6 | | | | | | | | | |
| ISL | 20 | 0.44 | 33.942 | 27.25 | 82.89 | 0.017 | 1450.2 | | | | | | | | | |
| ISL | 30 | 0.52 | 33.962 | 27.26 | 81.79 | 0.025 | 1450.7 | | | | | | | | | |
| ISL | 50 | 0.71 | 34.011 | 27.29 | 79.07 | 0.041 | 1452.0 | | | | | | | | | |
| ISL | 75 | 0.97 | 34.088 | 27.34 | 74.83 | 0.060 | 1453.7 | | | | | | | | | |
| ISL | 100 | 1.36 | 34.214 | 27.41 | 67.82 | 0.078 | 1456.0 | | | | | | | | | |
| ISL | 125 | 1.82 | 34.345 | 27.48 | 61.37 | 0.094 | 1458.7 | | | | | | | | | |
| ISL | 150 | 2.02 | 34.427 | 27.53 | 56.84 | 0.109 | 1460.1 | | | | | | | | | |
| ISL | 200 | 2.13 | 34.521 | 27.60 | 50.78 | 0.136 | 1461.5 | | | | | | | | | |
| ISL | 250 | 2.13 | 34.572 | 27.64 | 47.17 | 0.160 | 1462.4 | | | | | | | | | |
| ISL | 300 | 2.11 | 34.623 | 27.68 | 43.50 | 0.183 | 1463.2 | | | | | | | | | |
| ISL | 400 | 2.14 | 34.679 | 27.72 | 40.02 | 0.225 | 1465.1 | | | | | | | | | |
| ISL | 500 | 2.14 | 34.713 | 27.75 | 38.00 | 0.264 | 1466.8 | | | | | | | | | |
| ISL | 600 | 1.99 | 34.722 | 27.77 | 36.32 | 0.301 | 1467.8 | | | | | | | | | |
| ISL | 700 | 1.85 | 34.727 | 27.79 | 35.21 | 0.337 | 1468.8 | | | | | | | | | |
| ISL | 800 | 1.80 | 34.742 | 27.80 | 34.05 | 0.371 | 1470.3 | | | | | | | | | |
| ISL | 900 | 1.74 | 34.750 | 27.81 | 33.32 | 0.405 | 1471.7 | | | | | | | | | |
| ISL | 1000 | 1.67 | 34.753 | 27.82 | 32.72 | 0.438 | 1473.1 | | | | | | | | | |
| ISL | 1100 | 1.59 | 34.754 | 27.83 | 32.28 | 0.471 | 1474.4 | | | | | | | | | |
| ISL | 1200 | 1.51 | 34.754 | 27.83 | 31.89 | 0.503 | 1475.8 | | | | | | | | | |
| ISL | 1300 | 1.43 | 34.757 | 27.84 | 31.23 | 0.534 | 1477.1 | | | | | | | | | |
| ISL | 1400 | 1.34 | 34.756 | 27.85 | 30.66 | 0.565 | 1478.4 | | | | | | | | | |
| ISL | 1500 | 1.24 | 34.744 | 27.84 | 30.80 | 0.596 | 1479.6 | | | | | | | | | |
| ISL | 1750 | 0.99 | 34.720 | 27.84 | 30.49 | 0.673 | 1482.7 | | | | | | | | | |
| ISL | 2000 | 0.75 | 34.707 | 27.85 | 29.33 | 0.747 | 1485.9 | | | | | | | | | |
| ISL | 2250 | 0.54 | 34.699 | 27.85 | 27.81 | 0.819 | 1489.2 | | | | | | | | | |
| ISL | 2500 | 0.35 | 34.691 | 27.86 | 26.43 | 0.887 | 1492.7 | | | | | | | | | |
| ISL | 2750 | 0.19 | 34.681 | 27.86 | 25.33 | 0.951 | 1496.3 | | | | | | | | | |
| ISL | 3000 | 0.07 | 34.678 | 27.86 | 24.06 | 1.013 | 1500.1 | | | | | | | | | |
| ISL | 3250 | -0.02 | 34.676 | 27.87 | 23.03 | 1.072 | 1504.1 | | | | | | | | | |
| ISL | 3500 | -0.07 | 34.675 | 27.87 | 22.26 | 1.129 | 1508.2 | | | | | | | | | |
| ISL | 3750 | -0.10 | 34.675 | 27.87 | 21.72 | 1.183 | 1512.5 | | | | | | | | | |
| ISL | 4000 | -0.08 | 34.676 | 27.87 | 21.74 | 1.238 | 1517.0 | | | | | | | | | |
| ISL | 4500 | -0.06 | 34.677 | 27.87 | 21.71 | 1.346 | 1526.1 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 54 | 1559 | 0 | | 5 | 7 | 72 | 7.8 | 5500.4S | 8309.3E | 5C7 | 4771 | -1.1 | | 165 | 163 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | -0.35 | 34.063 | 27.39 | | | 1446.4 | 780 | | | 42 | | | | | |
| OBS | 54 | -0.33 | 34.053 | 27.38 | | | 1447.4 | 784 | | | 42 | | | | | |
| OBS | 108 | -0.27 | 34.064 | 27.39 | | | 1448.5 | 771 | | | 43 | | | | | |
| OBS | 161 | 0.57 | 34.336 | 27.56 | | | 1453.6 | 581 | | | 66 | | | | | |
| OBS | 215 | 0.65 | 34.429 | 27.63 | | | 1455.0 | 538 | | | 74 | | | | | |
| OBS | 313 | 0.63 | 34.538 | 27.72 | | | 1456.7 | 515 | | | 81 | | | | | |
| OBS | 410 | 0.63 | 34.575 | 27.75 | | | 1458.4 | 511 | | | 85 | | | | | |
| OBS | 511 | 0.81 | 34.613 | 27.77 | | | 1460.9 | 502 | | | 87 | | | | | |
| OBS | 610 | 1.02 | 34.665 | 27.80 | | | 1463.6 | 491 | | | 92 | | | | | |
| OBS | 807 | 1.01 | 34.686 | 27.81 | | | 1466.9 | 490 | | | 95 | | | | | |
| OBS | 1006 | 0.96 | 34.699 | 27.83 | | | 1470.0 | 494 | | | 100 | | | | | |
| OBS | 1202 | 0.97 | 34.720 | 27.84 | | | 1473.4 | 481 | | | 107 | | | | | |
| OBS | 1355 | 0.85 | 34.724 | 27.85 | | | 1475.4 | 486 | | | 112 | | | | | |
| OBS | 1700 | 0.63 | 34.706 | 27.85 | | | 1480.3 | 500 | | | 119 | | | | | |
| OBS | 2048 | 0.47 | 34.699 | 27.86 | | | 1485.5 | 495 | | | 125 | | | | | |
| OBS | 2397 | 0.33 | 34.691 | 27.86 | | | 1490.9 | 506 | | | 129 | | | | | |
| OBS | 2750 | 0.20 | 34.685 | 27.86 | | | 1496.4 | 522 | | | 130 | | | | | |
| OBS | 3117 | 0.05 | 34.683 | 27.87 | | | 1502.1 | 530 | | | 131 | | | | | |
| OBS | 3537 | -0.01 | 34.680 | 27.87 | | | 1509.2 | 532 | | | 130 | | | | | |
| OBS | 3958 | -0.08 | 34.677 | 27.87 | | | 1516.4 | 542 | | | 130 | | | | | |
| OBS | 4372 | -0.08 | 34.680 | 27.87 | | | 1523.8 | 551 | | | 131 | | | | | |
| OBS | 4684 | -0.13 | 34.677 | 27.87 | | | 1529.2 | 558 | | | 135 | | | | | |
| OBS | 4727 | -0.12 | 34.676 | 27.87 | | | 1530.0 | 560 | | | 137 | | | | | |
| PING | 20 | | | | | | | | | | | | | | | |
| ISL | 0 | -0.35 | 34.063 | 27.39 | 69.84 | 0.000 | 1446.4 | | | | | | | | | |
| ISL | 10 | -0.35 | 34.044 | 27.37 | 71.29 | 0.007 | 1446.5 | | | | | | | | | |
| ISL | 20 | -0.35 | 34.026 | 27.36 | 72.57 | 0.014 | 1446.7 | | | | | | | | | |
| ISL | 30 | -0.35 | 34.013 | 27.35 | 73.56 | 0.022 | 1446.8 | | | | | | | | | |
| ISL | 50 | -0.33 | 34.001 | 27.34 | 74.53 | 0.036 | 1447.2 | | | | | | | | | |
| ISL | 75 | -0.31 | 34.011 | 27.34 | 73.79 | 0.055 | 1447.7 | | | | | | | | | |
| ISL | 100 | -0.30 | 34.049 | 27.38 | 70.88 | 0.073 | 1448.3 | | | | | | | | | |
| ISL | 125 | -0.05 | 34.143 | 27.44 | 64.91 | 0.090 | 1449.9 | | | | | | | | | |
| ISL | 150 | 0.45 | 34.294 | 27.53 | 56.14 | 0.105 | 1452.9 | | | | | | | | | |
| ISL | 200 | 0.64 | 34.408 | 27.61 | 48.67 | 0.131 | 1454.7 | | | | | | | | | |
| ISL | 250 | 0.64 | 34.476 | 27.67 | 43.54 | 0.154 | 1455.6 | | | | | | | | | |
| ISL | 300 | 0.63 | 34.528 | 27.71 | 39.64 | 0.175 | 1456.5 | | | | | | | | | |
| ISL | 400 | 0.62 | 34.571 | 27.75 | 36.41 | 0.213 | 1458.2 | | | | | | | | | |
| ISL | 500 | 0.79 | 34.609 | 27.77 | 34.84 | 0.249 | 1460.6 | | | | | | | | | |
| ISL | 600 | 1.00 | 34.661 | 27.79 | 32.69 | 0.283 | 1463.3 | | | | | | | | | |
| ISL | 700 | 1.03 | 34.677 | 27.81 | 31.92 | 0.315 | 1465.1 | | | | | | | | | |
| ISL | 800 | 1.01 | 34.685 | 27.81 | 31.35 | 0.346 | 1466.7 | | | | | | | | | |
| ISL | 900 | 0.99 | 34.692 | 27.82 | 30.89 | 0.378 | 1468.3 | | | | | | | | | |
| ISL | 1000 | 0.96 | 34.698 | 27.83 | 30.36 | 0.408 | 1469.9 | | | | | | | | | |
| ISL | 1100 | 0.96 | 34.708 | 27.84 | 29.83 | 0.438 | 1471.6 | | | | | | | | | |
| ISL | 1200 | 0.97 | 34.720 | 27.84 | 29.27 | 0.468 | 1473.3 | | | | | | | | | |
| ISL | 1300 | 0.89 | 34.724 | 27.85 | 28.46 | 0.497 | 1474.7 | | | | | | | | | |
| ISL | 1400 | 0.82 | 34.723 | 27.86 | 27.97 | 0.525 | 1476.0 | | | | | | | | | |
| ISL | 1500 | 0.75 | 34.715 | 27.85 | 28.03 | 0.553 | 1477.4 | | | | | | | | | |
| ISL | 1750 | 0.60 | 34.705 | 27.85 | 27.64 | 0.623 | 1481.0 | | | | | | | | | |
| ISL | 2000 | 0.49 | 34.700 | 27.86 | 27.05 | 0.691 | 1484.8 | | | | | | | | | |
| ISL | 2250 | 0.39 | 34.694 | 27.86 | 26.50 | 0.758 | 1488.6 | | | | | | | | | |
| ISL | 2500 | 0.29 | 34.689 | 27.86 | 25.92 | 0.823 | 1492.5 | | | | | | | | | |
| ISL | 2750 | 0.20 | 34.685 | 27.86 | 25.17 | 0.887 | 1496.4 | | | | | | | | | |
| ISL | 3000 | 0.10 | 34.684 | 27.87 | 23.98 | 0.949 | 1500.3 | | | | | | | | | |
| ISL | 3250 | 0.03 | 34.682 | 27.87 | 23.19 | 1.008 | 1504.4 | | | | | | | | | |
| ISL | 3500 | -0.00 | 34.680 | 27.87 | 22.75 | 1.065 | 1508.6 | | | | | | | | | |
| ISL | 3750 | -0.04 | 34.678 | 27.87 | 22.20 | 1.121 | 1512.8 | | | | | | | | | |
| ISL | 4000 | -0.08 | 34.677 | 27.87 | 21.62 | 1.176 | 1517.1 | | | | | | | | | |
| ISL | 4500 | -0.10 | 34.680 | 27.87 | 20.96 | 1.282 | 1526.0 | | | | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------|-------------------------------|---------------------------------|-------------------|-----------------|-----|
| EL 54 | 1560 | 0 | | 5 | 7 | 72 | 22.6 | 5611.3S | 8236.0E | 507 | 4723 | -1.5 | | 15 | 43 | 23 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | |
| OBS | 1 | -0.43 | | 34.029 | | 27.36 | | | | 1446.0 | | 775 | | | 37 | |
| OBS | 50 | -0.36 | | 34.026 | | 27.36 | | | | 1447.1 | | 760 | | | 38 | |
| OBS | 100 | 0.57 | | 34.258 | | 27.50 | | | | 1452.5 | | 611 | | | 58 | |
| OBS | 123 | 1.72 | | 34.424 | | 27.55 | | | | 1458.3 | | 461 | | | 67 | |
| OBS | 168 | 1.67 | | 34.496 | | 27.62 | | | | 1458.9 | | 455 | | | 74 | |
| OBS | 287 | 1.99 | | 34.658 | | 27.72 | | | | 1462.5 | | 418 | | | 82 | |
| OBS | 378 | 1.99 | | 34.698 | | 27.75 | | | | 1464.0 | | 425 | | | 82 | |
| OBS | 470 | 1.77 | | 34.699 | | 27.77 | | | | 1464.6 | | 435 | | | 87 | |
| OBS | 558 | 1.93 | | 34.732 | | 27.78 | | | | 1466.8 | | 443 | | | 85 | |
| OBS | 750 | 1.83 | | 34.754 | | 27.81 | | | | 1469.6 | | 459 | | | 88 | |
| OBS | 944 | 1.61 | | 34.752 | | 27.82 | | | | 1471.8 | | 461 | | | 93 | |
| OBS | 1143 | 1.39 | | 34.746 | | 27.84 | | | | 1474.2 | | 469 | | | 100 | |
| OBS | 1370 | 1.10 | | 34.730 | | 27.84 | | | | 1476.7 | | 479 | | | 106 | |
| OBS | 1669 | 0.89 | | 34.725 | | 27.85 | | | | 1480.8 | | 472 | | | 113 | |
| OBS | 1972 | 0.69 | | 34.708 | | 27.85 | | | | 1485.0 | | 488 | | | 118 | |
| OBS | 2373 | 0.47 | | 34.698 | | 27.86 | | | | 1490.9 | | 490 | | | 125 | |
| OBS | 2777 | 0.30 | | 34.689 | | 27.86 | | | | 1497.1 | | 515 | | | 127 | |
| OBS | 3181 | 0.12 | | 34.680 | | 27.86 | | | | 1503.3 | | 529 | | | 128 | |
| OBS | 3586 | 0.01 | | 34.676 | | 27.86 | | | | 1509.9 | | 535 | | | 128 | |
| OBS | 3991 | -0.04 | | 34.677 | | 27.87 | | | | 1516.8 | | 547 | | | 128 | |
| OBS | 4347 | -0.07 | | 34.677 | | 27.87 | | | | 1523.0 | | 548 | | | 127 | |
| OBS | 4652 | -0.12 | | 34.677 | | 27.87 | | | | 1528.3 | | 5410 | | | 130 | |
| OBS | 4667 | -0.11 | | 34.677 | | 27.87 | | | | 1528.6 | | 558 | | | 130 | |
| ISL | 0 | -0.43 | | 34.029 | | 27.36 | | 72.11 | 0.000 | 1446.0 | | | | | | |
| ISL | 10 | -0.49 | | 34.012 | | 27.35 | | 73.16 | 0.007 | 1445.8 | | | | | | |
| ISL | 20 | -0.51 | | 34.001 | | 27.35 | | 73.81 | 0.015 | 1445.9 | | | | | | |
| ISL | 30 | -0.50 | | 34.000 | | 27.34 | | 73.90 | 0.022 | 1446.1 | | | | | | |
| ISL | 50 | -0.36 | | 34.026 | | 27.36 | | 72.50 | 0.037 | 1447.1 | | | | | | |
| ISL | 75 | -0.15 | | 34.115 | | 27.42 | | 66.64 | 0.054 | 1448.6 | | | | | | |
| ISL | 100 | 0.57 | | 34.258 | | 27.50 | | 59.53 | 0.070 | 1452.5 | | | | | | |
| ISL | 125 | 1.73 | | 34.433 | | 27.56 | | 54.06 | 0.084 | 1458.4 | | | | | | |
| ISL | 150 | 1.70 | | 34.469 | | 27.59 | | 51.13 | 0.097 | 1458.7 | | | | | | |
| ISL | 200 | 1.73 | | 34.544 | | 27.65 | | 45.98 | 0.121 | 1459.8 | | | | | | |
| ISL | 250 | 1.92 | | 34.619 | | 27.69 | | 41.96 | 0.143 | 1461.5 | | | | | | |
| ISL | 300 | 2.00 | | 34.667 | | 27.73 | | 39.22 | 0.164 | 1462.8 | | | | | | |
| ISL | 400 | 1.96 | | 34.701 | | 27.76 | | 36.79 | 0.202 | 1464.3 | | | | | | |
| ISL | 500 | 1.82 | | 34.709 | | 27.77 | | 35.45 | 0.238 | 1465.3 | | | | | | |
| ISL | 600 | 1.96 | | 34.742 | | 27.79 | | 34.58 | 0.273 | 1467.6 | | | | | | |
| ISL | 700 | 1.87 | | 34.752 | | 27.80 | | 33.56 | 0.307 | 1468.9 | | | | | | |
| ISL | 800 | 1.77 | | 34.755 | | 27.81 | | 32.81 | 0.340 | 1470.2 | | | | | | |
| ISL | 900 | 1.66 | | 34.753 | | 27.82 | | 32.34 | 0.373 | 1471.3 | | | | | | |
| ISL | 1000 | 1.55 | | 34.751 | | 27.83 | | 31.77 | 0.405 | 1472.5 | | | | | | |
| ISL | 1100 | 1.44 | | 34.748 | | 27.83 | | 31.29 | 0.436 | 1473.7 | | | | | | |
| ISL | 1200 | 1.32 | | 34.743 | | 27.84 | | 30.85 | 0.467 | 1474.8 | | | | | | |
| ISL | 1300 | 1.19 | | 34.734 | | 27.84 | | 30.51 | 0.498 | 1475.9 | | | | | | |
| ISL | 1400 | 1.07 | | 34.729 | | 27.84 | | 29.98 | 0.528 | 1477.1 | | | | | | |
| ISL | 1500 | 1.00 | | 34.728 | | 27.85 | | 29.60 | 0.558 | 1478.5 | | | | | | |
| ISL | 1750 | 0.83 | | 34.721 | | 27.85 | | 28.84 | 0.631 | 1481.9 | | | | | | |
| ISL | 2000 | 0.67 | | 34.707 | | 27.85 | | 28.49 | 0.703 | 1485.4 | | | | | | |
| ISL | 2250 | 0.53 | | 34.701 | | 27.86 | | 27.64 | 0.773 | 1489.1 | | | | | | |
| ISL | 2500 | 0.42 | | 34.695 | | 27.86 | | 26.92 | 0.841 | 1492.8 | | | | | | |
| ISL | 2750 | 0.31 | | 34.690 | | 27.86 | | 26.17 | 0.907 | 1496.7 | | | | | | |
| ISL | 3000 | 0.20 | | 34.684 | | 27.86 | | 25.25 | 0.972 | 1500.5 | | | | | | |
| ISL | 3250 | 0.10 | | 34.679 | | 27.86 | | 24.27 | 1.034 | 1504.4 | | | | | | |
| ISL | 3500 | 0.03 | | 34.676 | | 27.86 | | 23.45 | 1.093 | 1508.5 | | | | | | |
| ISL | 3750 | -0.02 | | 34.676 | | 27.87 | | 22.73 | 1.151 | 1512.7 | | | | | | |
| ISL | 4000 | -0.04 | | 34.677 | | 27.87 | | 22.23 | 1.207 | 1517.0 | | | | | | |
| ISL | 4500 | -0.09 | | 34.677 | | 27.87 | | 21.17 | 1.316 | 1525.7 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------|----------------------------------|--------------------------------------|------------------------------------|----------------------------|-----|
| EL 54 | 1563 | 0 | | 10 | 8 | 72 | 13.8 | 5157.4S | 12401.1E | 503 | 4571 | 4.2 | | 275 | 264 | 23 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | | OXYG $10^2 \cdot \text{ml/l}$ | PHOS $10^2 \cdot \mu\text{gat/l}$ | NITR $10 \cdot \mu\text{gat/l}$ | SILIC $\mu\text{gat/l}$ | |
| CBS | 1 | 3.98 | | 33.979 | | 27.00 | | | | 1465.4 | | 710 | | | 6 | |
| CPS | 40 | 3.95 | | 33.961 | | 26.99 | | | | 1465.9 | | 710 | | | 6 | |
| CBS | 100 | 3.83 | | 33.961 | | 27.00 | | | | 1466.4 | | 708 | | | 8 | |
| CBS | 177 | 3.83 | | 33.962 | | 27.00 | | | | 1467.7 | | 708 | | | 6 | |
| CBS | 221 | 3.85 | | 33.964 | | 27.00 | | | | 1468.5 | | 706 | | | 7 | |
| CBS | 265 | 3.89 | | 34.116 | | 27.12 | | | | 1469.6 | | 620 | | | 12 | |
| CBS | 330 | 3.54 | | 34.161 | | 27.19 | | | | 1469.2 | | 596 | | | 24 | |
| CBS | 426 | 2.96 | | 34.193 | | 27.27 | | | | 1468.4 | | 569 | | | 32 | |
| CBS | 525 | 2.69 | | 34.259 | | 27.34 | | | | 1468.9 | | 522 | | | 40 | |
| CBS | 726 | 2.53 | | 34.402 | | 27.47 | | | | 1471.8 | | 453 | | | 61 | |
| CBS | 1025 | 2.42 | | 34.527 | | 27.58 | | | | 1476.5 | | 417 | | | 74 | |
| CBS | 1225 | 2.45 | | 34.634 | | 27.66 | | | | 1480.1 | | 409 | | | 80 | |
| CBS | 1417 | 2.31 | | 34.727 | | 27.75 | | | | 1482.9 | | | | | 80 | |
| CBS | 1770 | 2.13 | | 34.778 | | 27.81 | | | | 1488.1 | | 442 | | | 89 | |
| CBS | 2124 | 1.80 | | 34.762 | | 27.82 | | | | 1492.7 | | 452 | | | 98 | |
| CBS | 2479 | 1.43 | | 34.758 | | 27.84 | | | | 1497.2 | | 453 | | | 110 | |
| CBS | 2835 | 1.13 | | 34.729 | | 27.84 | | | | 1502.0 | | 479 | | | 120 | |
| CBS | 3191 | 0.81 | | 34.719 | | 27.85 | | | | 1506.8 | | 483 | | | 129 | |
| CBS | 3547 | 0.51 | | | | | | | | | | 496 | | | 138 | |
| CBS | 3904 | 0.38 | | 34.700 | | 27.86 | | | | 1517.4 | | 509 | | | 144 | |
| CBS | 4259 | 0.35 | | 34.715Q | | 27.88Q | | | | 1523.6Q | | 510 | | | 135 | |
| CBS | 4469Q | 0.28 | | 34.694 | | 27.86 | | | | 1527.1 | | 517 | | | 149 | |
| CBS | 4561 | 0.28 | | 34.688 | | 27.86 | | | | 1528.7 | | 517 | | | 149 | |
| PING | 40 | | | | | | | | | | | | | | | |
| ISL | 0 | 3.98 | | 33.979 | | 27.00 | | 106.73 | 0.000 | 1465.4 | | | | | | |
| ISL | 10 | 3.97 | | 33.974 | | 27.00 | | 107.15 | 0.011 | 1465.5 | | | | | | |
| ISL | 20 | 3.97 | | 33.969 | | 26.99 | | 107.53 | 0.021 | 1465.7 | | | | | | |
| ISL | 30 | 3.96 | | 33.965 | | 26.99 | | 107.85 | 0.032 | 1465.8 | | | | | | |
| ISL | 50 | 3.94 | | 33.961 | | 26.99 | | 108.11 | 0.054 | 1466.0 | | | | | | |
| ISL | 75 | 3.88 | | 33.961 | | 27.00 | | 107.77 | 0.081 | 1466.2 | | | | | | |
| ISL | 100 | 3.83 | | 33.961 | | 27.00 | | 107.47 | 0.108 | 1466.4 | | | | | | |
| ISL | 125 | 3.82 | | 33.961 | | 27.00 | | 107.50 | 0.135 | 1466.7 | | | | | | |
| ISL | 150 | 3.82 | | 33.961 | | 27.00 | | 107.77 | 0.161 | 1467.2 | | | | | | |
| ISL | 200 | 3.84 | | 33.963 | | 27.00 | | 108.23 | 0.215 | 1468.1 | | | | | | |
| ISL | 250 | 3.88 | | 34.074 | | 27.09 | | 100.65 | 0.268 | 1469.2 | | | | | | |
| ISL | 300 | 3.71 | | 34.146 | | 27.16 | | 94.02 | 0.316 | 1469.4 | | | | | | |
| ISL | 400 | 3.12 | | 34.182 | | 27.24 | | 86.26 | 0.406 | 1468.6 | | | | | | |
| ISL | 500 | 2.73 | | 34.242 | | 27.33 | | 78.63 | 0.489 | 1468.7 | | | | | | |
| ISL | 600 | 2.60 | | 34.311 | | 27.39 | | 72.74 | 0.565 | 1469.9 | | | | | | |
| ISL | 700 | 2.54 | | 34.384 | | 27.46 | | 67.39 | 0.635 | 1471.4 | | | | | | |
| ISL | 800 | 2.49 | | 34.434 | | 27.50 | | 63.57 | 0.700 | 1472.9 | | | | | | |
| ISL | 900 | 2.45 | | 34.470 | | 27.53 | | 61.02 | 0.762 | 1474.4 | | | | | | |
| ISL | 1000 | 2.42 | | 34.515 | | 27.57 | | 57.95 | 0.822 | 1476.1 | | | | | | |
| ISL | 1100 | 2.42 | | 34.568 | | 27.61 | | 54.57 | 0.878 | 1477.8 | | | | | | |
| ISL | 1200 | 2.45 | | 34.621 | | 27.65 | | 51.49 | 0.931 | 1479.7 | | | | | | |
| ISL | 1300 | 2.39 | | 34.672 | | 27.70 | | 47.59 | 0.981 | 1481.2 | | | | | | |
| ISL | 1400 | 2.32 | | 34.720 | | 27.74 | | 43.76 | 1.026 | 1482.6 | | | | | | |
| ISL | 1500 | 2.26 | | 34.751 | | 27.77 | | 41.28 | 1.069 | 1484.1 | | | | | | |
| ISL | 1750 | 2.14 | | 34.777 | | 27.80 | | 39.26 | 1.170 | 1487.9 | | | | | | |
| ISL | 2000 | 1.92 | | 34.767 | | 27.81 | | 38.47 | 1.267 | 1491.1 | | | | | | |
| ISL | 2250 | 1.67 | | 34.759 | | 27.83 | | 36.87 | 1.361 | 1494.3 | | | | | | |
| ISL | 2500 | 1.41 | | 34.757 | | 27.84 | | 34.55 | 1.450 | 1497.5 | | | | | | |
| ISL | 2750 | 1.20 | | 34.734 | | 27.84 | | 34.17 | 1.536 | 1500.9 | | | | | | |
| ISL | 3000 | 0.98 | | 34.724 | | 27.85 | | 32.46 | 1.619 | 1504.2 | | | | | | |
| ISL | 3250 | 0.76 | | 34.717 | | 27.86 | | 30.33 | 1.698 | 1507.6 | | | | | | |
| ISL | 3500 | 0.54 | | 34.711 | | 27.86 | | 28.04 | 1.771 | 1511.0 | | | | | | |
| ISL | 3750 | 0.42 | | 34.704 | | 27.86 | | 26.95 | 1.840 | 1514.9 | | | | | | |
| ISL | 4000 | 0.37 | | 34.699 | | 27.86 | | 26.67 | 1.907 | 1519.1 | | | | | | |
| ISL | 4500 | 0.28 | | 34.692 | | 27.86 | | 25.93 | 2.038 | 1527.6 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------|-------------------------------|---------------------------------|-------------------|-----------------|-----|
| EL 54 | 1564 | 0 | | 11 | 8 | 72 | 4.4 | 5301.0S | 12354.9E | 503 | 4396 | 3.6 | | 275 | 274 | 23 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | | OXYG 10 ² -ml/l | PHOS 10 ² -µgat/l | NITR 10-µgat/l | SILIC µgat/l | |
| OBS | 1 | 2.28 | | 33.926 | | 27.11 | | | | 1458.0 | | 738 | | | 11 | |
| OBS | 54 | 2.24 | | 33.912 | | 27.10 | | | | 1458.7 | | 737 | | | 12 | |
| OBS | 108 | 2.23 | | 33.912 | | 27.11 | | | | 1459.6 | | 734 | | | 12 | |
| OBS | 161 | 2.21 | | 33.911 | | 27.11 | | | | 1460.4 | | 736 | | | 12 | |
| OBS | 215 | 1.97 | | 34.099 | | 27.28 | | | | 1460.4 | | 641 | | | 39 | |
| OBS | 267 | 2.17 | | 34.188 | | 27.33 | | | | 1462.3 | | 576 | | | 45 | |
| OBS | 321 | 2.12 | | 34.238 | | 27.37 | | | | 1463.1 | | 545 | | | 55 | |
| OBS | 424 | 2.02 | | 34.322 | | 27.45 | | | | 1464.4 | | 501 | | | 72 | |
| OBS | 622 | 2.22 | | 34.505 | | 27.58 | | | | 1468.9 | | 420 | | | 78 | |
| OBS | 822 | 2.32 | | 34.613 | | 27.66 | | | | 1472.8 | | 408 | | | 82 | |
| OBS | 1021 | 2.26 | | 34.684 | | 27.72 | | | | 1475.9 | | 417 | | | | |
| OBS | 1221 | 2.17 | | 34.721 | | 27.76 | | | | 1479.0 | | 430 | | | 84 | |
| OBS | 1256 | 2.13 | | 34.755 | | 27.79 | | | | 1479.4 | | 432 | | | 85 | |
| OBS | 1603 | 1.92 | | 34.755 | | 27.80 | | | | 1484.4 | | 447 | | | 92 | |
| OBS | 1951 | 1.59 | | 34.746 | | 27.82 | | | | 1488.8 | | 459 | | | 102 | |
| OBS | 2300 | 1.23 | | 34.731 | | 27.84 | | | | 1493.2 | | 470 | | | 112 | |
| OBS | 2648 | 0.94 | | 34.716 | | 27.84 | | | | 1497.9 | | 479 | | | 122 | |
| OBS | 2998 | 0.68 | | 34.704 | | 27.85 | | | | 1502.8 | | 486 | | | 130 | |
| OBS | 3348 | 0.46 | | 34.706 | | 27.86 | | | | 1508.0 | | 495 | | | 136 | |
| OBS | 3698 | 0.32 | | 34.687 | | 27.86 | | | | 1513.5 | | 508 | | | 140 | |
| OBS | 4050 | 0.26 | | 34.678 | | 27.85 | | | | 1519.5 | | 502 | | | 138 | |
| OBS | 4351 | 0.15 | | 34.678 | | 27.86 | | | | 1524.4 | | 520 | | | 147 | |
| OBS | 4382 | 0.15 | | 34.678 | | 27.86 | | | | 1524.9 | | 523 | | | 147 | |
| PING | 35 | | | | | | | | | | | | | | | |
| ISL | 0 | 2.28 | | 33.926 | | 27.11 | | 95.99 | 0.000 | 1458.0 | | | | | | |
| ISL | 10 | 2.27 | | 33.923 | | 27.11 | | 96.21 | 0.010 | 1458.1 | | | | | | |
| ISL | 20 | 2.26 | | 33.920 | | 27.11 | | 96.44 | 0.019 | 1458.3 | | | | | | |
| ISL | 30 | 2.26 | | 33.917 | | 27.11 | | 96.61 | 0.029 | 1458.4 | | | | | | |
| ISL | 50 | 2.24 | | 33.913 | | 27.11 | | 96.92 | 0.048 | 1458.7 | | | | | | |
| ISL | 75 | 2.24 | | 33.912 | | 27.10 | | 97.04 | 0.072 | 1459.1 | | | | | | |
| ISL | 100 | 2.23 | | 33.912 | | 27.11 | | 97.11 | 0.097 | 1459.4 | | | | | | |
| ISL | 125 | 2.23 | | 33.912 | | 27.11 | | 97.17 | 0.121 | 1459.8 | | | | | | |
| ISL | 150 | 2.22 | | 33.911 | | 27.11 | | 97.29 | 0.145 | 1460.2 | | | | | | |
| ISL | 200 | 2.03 | | 34.056 | | 27.24 | | 85.06 | 0.191 | 1460.4 | | | | | | |
| ISL | 250 | 2.13 | | 34.167 | | 27.32 | | 77.74 | 0.232 | 1461.8 | | | | | | |
| ISL | 300 | 2.14 | | 34.220 | | 27.36 | | 74.03 | 0.270 | 1462.8 | | | | | | |
| ISL | 400 | 2.04 | | 34.302 | | 27.43 | | 67.48 | 0.340 | 1464.1 | | | | | | |
| ISL | 500 | 2.11 | | 34.389 | | 27.50 | | 61.89 | 0.405 | 1466.2 | | | | | | |
| ISL | 600 | 2.20 | | 34.487 | | 27.57 | | 55.92 | 0.464 | 1468.4 | | | | | | |
| ISL | 700 | 2.28 | | 34.555 | | 27.62 | | 52.01 | 0.518 | 1470.5 | | | | | | |
| ISL | 800 | 2.32 | | 34.603 | | 27.65 | | 49.30 | 0.569 | 1472.4 | | | | | | |
| ISL | 900 | 2.31 | | 34.645 | | 27.68 | | 46.62 | 0.617 | 1474.1 | | | | | | |
| ISL | 1000 | 2.27 | | 34.678 | | 27.71 | | 44.26 | 0.662 | 1475.6 | | | | | | |
| ISL | 1100 | 2.23 | | 34.701 | | 27.74 | | 42.68 | 0.705 | 1477.2 | | | | | | |
| ISL | 1200 | 2.19 | | 34.714 | | 27.75 | | 41.77 | 0.748 | 1478.7 | | | | | | |
| ISL | 1300 | 2.09 | | 34.759 | | 27.79 | | 37.88 | 0.787 | 1480.0 | | | | | | |
| ISL | 1400 | 2.04 | | 34.758 | | 27.80 | | 37.92 | 0.825 | 1481.5 | | | | | | |
| ISL | 1500 | 1.99 | | 34.756 | | 27.80 | | 37.93 | 0.863 | 1482.9 | | | | | | |
| ISL | 1750 | 1.79 | | 34.752 | | 27.81 | | 36.99 | 0.957 | 1486.3 | | | | | | |
| ISL | 2000 | 1.54 | | 34.744 | | 27.82 | | 35.57 | 1.048 | 1489.5 | | | | | | |
| ISL | 2250 | 1.28 | | 34.733 | | 27.83 | | 33.97 | 1.135 | 1492.6 | | | | | | |
| ISL | 2500 | 1.06 | | 34.722 | | 27.84 | | 32.60 | 1.218 | 1495.9 | | | | | | |
| ISL | 2750 | 0.86 | | 34.712 | | 27.84 | | 31.35 | 1.298 | 1499.3 | | | | | | |
| ISL | 3000 | 0.68 | | 34.704 | | 27.85 | | 29.93 | 1.374 | 1502.9 | | | | | | |
| ISL | 3250 | 0.51 | | 34.706 | | 27.86 | | 27.82 | 1.447 | 1506.5 | | | | | | |
| ISL | 3500 | 0.39 | | 34.697 | | 27.86 | | 26.92 | 1.515 | 1510.3 | | | | | | |
| ISL | 3750 | 0.31 | | 34.685 | | 27.86 | | 26.68 | 1.582 | 1514.4 | | | | | | |
| ISL | 4000 | 0.27 | | 34.679 | | 27.85 | | 26.70 | 1.649 | 1518.7 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 54 | 1565 | 0 | | 11 | 8 | 72 | 14.9 | 5202.2S | 12406.4E | 503 | 4144 | 4.3 | | 325 | 353 | 8 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 1 | 3.76 | | 33.968 | | 27.01 | | | | 1464.5 | 715 | | | 8 | | |
| OBS | 55 | 3.63 | | 33.960 | | 27.02 | | | | 1464.8 | 712 | | | 8 | | |
| OBS | 105 | 3.59 | | 33.969 | | 27.03 | | | | 1465.5 | 706 | | | 9 | | |
| OBS | 233 | 3.64 | | 34.093 | | 27.12 | | | | 1467.9 | 632 | | | 18 | | |
| OBS | 288 | 3.23 | | 34.113 | | 27.18 | | | | 1467.1 | 621 | | | 23 | | |
| OBS | 341 | 3.28 | | 34.176 | | 27.22 | | | | 1468.3 | 581 | | | 27 | | |
| OBS | 415 | 3.12 | | 34.227 | | 27.28 | | | | 1468.9 | 543 | | | 34 | | |
| OBS | 513 | 2.72 | | 34.269 | | 27.35 | | | | 1468.9 | 519 | | | 42 | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|-----|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 54 | 1566 | 0 | | 12 | 8 | 72 | 2.4 | 5103.6S | 12426.5E | 503 | 4507 | 6.5 | | 336 | 334 | 21 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 1 | 6.01 | | 34.205 | | 26.95 | | | | 1474.1 | 677 | | | 6 | | |
| OBS | 51 | 5.70 | | 34.152 | | 26.94 | | | | 1473.6 | 677 | | | 7 | | |
| OBS | 108 | 5.64 | | 34.146 | | 26.95 | | | | 1474.3 | 674 | | | 7 | | |
| OBS | 161 | 5.33 | | 34.120 | | 26.96 | | | | 1473.8 | 681 | | | 7 | | |
| OBS | 215 | 5.25 | | 34.115 | | 26.97 | | | | 1474.4 | 680 | | | 8 | | |
| OBS | 317 | 5.20 | | 34.254 | | 27.08 | | | | 1476.1 | 563 | | | 17 | | |
| OBS | 419 | 4.44 | | 34.247 | | 27.16 | | | | 1474.6 | 556 | | | 22 | | |
| OBS | 524 | 3.80 | | 34.247 | | 27.23 | | | | 1473.6 | 538 | | | 29 | | |
| OBS | 625 | 3.49 | | 34.295 | | 27.30 | | | | 1474.1 | 507 | | | 36 | | |
| OBS | 827 | 3.00 | | 34.383 | | 27.42 | | | | 1475.5 | 459 | | | 52 | | |
| OBS | 1023 | 2.69 | | 34.508 | | 27.54 | | | | 1477.6 | 421 | | | 65 | | |
| OBS | 1221 | 2.55 | | 34.578 | | 27.61 | | | | 1480.4 | 408 | | | 73 | | |
| OBS | 1239 | 2.52 | | 34.594 | | 27.63 | | | | 1480.6 | 411 | | | 74 | | |
| OBS | 1451 | 2.48 | | 34.666 | | 27.69 | | | | 1484.1 | 410 | | | 79 | | |
| OBS | 1810 | 2.31 | | 34.730 | | 27.75 | | | | 1489.5 | 435 | | | 82 | | |
| OBS | 2166 | 2.01 | | 34.758 | | 27.80 | | | | 1494.3 | 449 | | | 89 | | |
| OBS | 2521 | 1.66 | | 34.754 | | 27.82 | | | | 1498.9 | 462 | | | 100 | | |
| OBS | 2876 | 1.31 | | 34.744 | | 27.84 | | | | 1503.5 | 471 | | | 112 | | |
| OBS | 3929 | 0.44 | | 34.702Q | | 27.86Q | | | | 1518.1Q | 503 | | | 139 | | |
| OBS | 4439 | 0.34 | | 34.689 | | 27.86 | | | | 1526.7 | 508 | | | 143 | | |
| OBS | 4459 | 0.33 | | 34.687 | | 27.86 | | | | 1527.0 | 510 | | | 143 | | |
| PING | 30 | | | | | | | | | | | | | | | |
| ISL | 0 | 6.01 | | 34.205 | | 26.95 | | 111.83 | 0.000 | 1474.1 | | | | | | |
| ISL | 10 | 5.94 | | 34.193 | | 26.94 | | 112.08 | 0.011 | 1474.0 | | | | | | |
| ISL | 20 | 5.88 | | 34.181 | | 26.94 | | 112.30 | 0.022 | 1473.8 | | | | | | |
| ISL | 30 | 5.81 | | 34.170 | | 26.94 | | 112.46 | 0.034 | 1473.7 | | | | | | |
| ISL | 50 | 5.70 | | 34.153 | | 26.94 | | 112.75 | 0.056 | 1473.6 | | | | | | |
| ISL | 75 | 5.67 | | 34.152 | | 26.95 | | 112.69 | 0.084 | 1473.8 | | | | | | |
| ISL | 100 | 5.66 | | 34.148 | | 26.94 | | 113.26 | 0.113 | 1474.2 | | | | | | |
| ISL | 125 | 5.56 | | 34.139 | | 26.95 | | 112.95 | 0.141 | 1474.2 | | | | | | |
| ISL | 150 | 5.38 | | 34.124 | | 26.96 | | 112.30 | 0.169 | 1473.9 | | | | | | |
| ISL | 200 | 5.26 | | 34.112 | | 26.96 | | 112.46 | 0.225 | 1474.2 | | | | | | |
| ISL | 250 | 5.22 | | 34.153 | | 27.00 | | 109.41 | 0.281 | 1474.9 | | | | | | |
| ISL | 300 | 5.20 | | 34.240 | | 27.07 | | 103.29 | 0.334 | 1475.8 | | | | | | |
| ISL | 400 | 4.57 | | 34.248 | | 27.15 | | 96.54 | 0.434 | 1474.8 | | | | | | |
| ISL | 500 | 3.92 | | 34.244 | | 27.22 | | 90.59 | 0.527 | 1473.8 | | | | | | |
| ISL | 600 | 3.56 | | 34.283 | | 27.28 | | 84.54 | 0.615 | 1473.9 | | | | | | |
| ISL | 700 | 3.29 | | 34.329 | | 27.35 | | 79.00 | 0.697 | 1474.5 | | | | | | |
| ISL | 800 | 3.06 | | 34.371 | | 27.40 | | 74.09 | 0.773 | 1475.2 | | | | | | |
| ISL | 900 | 2.87 | | 34.426 | | 27.46 | | 68.63 | 0.845 | 1476.2 | | | | | | |
| ISL | 1000 | 2.72 | | 34.496 | | 27.53 | | 62.49 | 0.910 | 1477.3 | | | | | | |
| ISL | 1100 | 2.62 | | 34.542 | | 27.58 | | 58.65 | 0.971 | 1478.6 | | | | | | |
| ISL | 1200 | 2.57 | | 34.566 | | 27.60 | | 56.83 | 1.028 | 1480.1 | | | | | | |
| ISL | 1300 | 2.51 | | 34.628 | | 27.65 | | 52.08 | 1.083 | 1481.6 | | | | | | |
| ISL | 1400 | 2.49 | | 34.653 | | 27.68 | | 50.60 | 1.134 | 1483.2 | | | | | | |
| ISL | 1500 | 2.46 | | 34.679 | | 27.70 | | 48.96 | 1.184 | 1484.8 | | | | | | |
| ISL | 1750 | 2.35 | | 34.723 | | 27.74 | | 45.67 | 1.302 | 1488.6 | | | | | | |
| ISL | 2000 | 2.16 | | 34.749 | | 27.78 | | 42.70 | 1.413 | 1492.1 | | | | | | |
| ISL | 2250 | 1.93 | | 34.760 | | 27.81 | | 40.04 | 1.516 | 1495.4 | | | | | | |
| ISL | 2500 | 1.68 | | 34.754 | | 27.82 | | 38.18 | 1.614 | 1498.6 | | | | | | |
| ISL | 2750 | 1.43 | | 34.748 | | 27.83 | | 36.20 | 1.707 | 1501.8 | | | | | | |
| ISL | 3000 | 1.19 | | 34.740 | | 27.85 | | 34.12 | 1.795 | 1505.1 | | | | | | |
| ISL | 3250 | 0.97 | | 34.733 | | 27.85 | | 32.10 | 1.878 | 1508.5 | | | | | | |
| ISL | 3500 | 0.73 | | 34.724 | | 27.86 | | 29.78 | 1.955 | 1511.8 | | | | | | |
| ISL | 3750 | 0.53 | | 34.717 | | 27.87 | | 27.60 | 2.027 | 1515.3 | | | | | | |
| ISL | 4000 | 0.41 | | 34.709 | | 27.87 | | 26.64 | 2.095 | 1519.2 | | | | | | |

| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|----|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|--|-----|-----|-----|
| EL 54 | 1567 | 0 | | 12 | 8 | 72 | 20.3 | 5003.3S | 12441.0E | 503 | 3428 | 6.4 | | 306 | 314 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | |
| OBS | 1 | 7.06 | 34.267 | | 26.85 | | | 1478.3 | 657 | | | 5 | | | | |
| OBS | 60 | 7.05 | 34.262 | | 26.85 | | | 1479.3 | 659 | | | 5 | | | | |
| OBS | 113 | 7.08 | 34.261 | | 26.85 | | | 1480.3 | 657 | | | 5 | | | | |
| OBS | 166 | 7.07 | 34.263 | | 26.85 | | | 1481.1 | 658 | | | 5 | | | | |
| OBS | 220 | 7.12 | 34.269 | | 26.85 | | | 1482.2 | 654 | | | 5 | | | | |
| OBS | 322 | 7.50 | 34.460 | | 26.94 | | | 1485.6 | 551 | | | 10 | | | | |
| OBS | 424 | 6.31 | 34.357 | | 27.03 | | | 1482.4 | 553 | | | 14 | | | | |
| OBS | 527 | 5.35 | 34.322 | | 27.12 | | | 1480.2 | 515 | | | 21 | | | | |
| OBS | 630 | 4.74 | 34.339 | | 27.20 | | | 1479.4 | 504 | | | 28 | | | | |
| OBS | 833 | 3.67 | 34.339 | | 27.32 | | | 1478.3 | 483 | | | 41 | | | | |
| OBS | 911 | 3.24 | 34.352 | | 27.37 | | | 1477.8 | 476 | | | 47 | | | | |
| OBS | 1035 | 3.01 | 34.403 | | 27.43 | | | 1479.0 | 447 | | | 56 | | | | |
| OBS | 1174 | 2.80 | 34.463 | | 27.50 | | | 1480.5 | 427 | | | 65 | | | | |
| OBS | 1240 | 2.69 | 34.489 | | 27.53 | | | 1481.2 | 419 | | | 68 | | | | |
| OBS | 1417 | 2.57 | 34.586 | | 27.62 | | | 1483.7 | 410 | | | 76 | | | | |
| OBS | 1674 | 2.45 | 34.663 | | 27.69 | | | 1487.7 | 412 | | | 81 | | | | |
| OBS | 1918 | 2.31 | 34.719 | | 27.74 | | | 1491.3 | 428 | | | 84 | | | | |
| OBS | 2180 | 2.17 | 34.748 | | 27.78 | | | 1495.2 | 446 | | | 87 | | | | |
| OBS | 2426 | 1.94 | 34.761 | | 27.81 | | | 1498.4 | 452 | | | 93 | | | | |
| OBS | 2688 | 1.68 | 34.753 | | 27.82 | | | 1501.8 | 466 | | | 103 | | | | |
| OBS | 3081 | 1.32 | 34.736 | | 27.83 | | | 1507.0 | 467 | | | 116 | | | | |
| OBS | 3433 | 0.97 | 34.714 | | 27.84 | | | 1511.6 | 481 | | | 128 | | | | |
| OBS | 3450 | 0.96 | 34.726 | | 27.85 | | | 1511.9 | 476 | | | 127 | | | | |
| PING | 50 | | | | | | | | | | | | | | | |
| ISL | 0 | 7.06 | 34.267 | | 26.85 | 120.45 | 0.000 | 1478.3 | | | | | | | | |
| ISL | 10 | 7.06 | 34.266 | | 26.85 | 120.63 | 0.012 | 1478.5 | | | | | | | | |
| ISL | 20 | 7.05 | 34.265 | | 26.85 | 120.82 | 0.024 | 1478.6 | | | | | | | | |
| ISL | 30 | 7.05 | 34.264 | | 26.85 | 121.02 | 0.036 | 1478.8 | | | | | | | | |
| ISL | 50 | 7.05 | 34.263 | | 26.85 | 121.39 | 0.060 | 1479.1 | | | | | | | | |
| ISL | 75 | 7.06 | 34.261 | | 26.85 | 121.96 | 0.091 | 1479.5 | | | | | | | | |
| ISL | 100 | 7.08 | 34.261 | | 26.85 | 122.64 | 0.121 | 1480.0 | | | | | | | | |
| ISL | 125 | 7.08 | 34.261 | | 26.85 | 123.08 | 0.152 | 1480.4 | | | | | | | | |
| ISL | 150 | 7.07 | 34.262 | | 26.85 | 123.26 | 0.183 | 1480.8 | | | | | | | | |
| ISL | 200 | 7.09 | 34.265 | | 26.85 | 124.07 | 0.245 | 1481.7 | | | | | | | | |
| ISL | 250 | 7.19 | 34.307 | | 26.87 | 123.19 | 0.307 | 1483.0 | | | | | | | | |
| ISL | 300 | 7.39 | 34.433 | | 26.94 | 117.39 | 0.367 | 1484.8 | | | | | | | | |
| ISL | 400 | 6.57 | 34.376 | | 27.01 | 111.82 | 0.481 | 1483.1 | | | | | | | | |
| ISL | 500 | 5.57 | 34.325 | | 27.09 | 103.89 | 0.589 | 1480.7 | | | | | | | | |
| ISL | 600 | 4.91 | 34.334 | | 27.18 | 96.08 | 0.689 | 1479.6 | | | | | | | | |
| ISL | 700 | 4.37 | 34.341 | | 27.25 | 90.24 | 0.782 | 1479.1 | | | | | | | | |
| ISL | 800 | 3.85 | 34.337 | | 27.30 | 85.33 | 0.870 | 1478.5 | | | | | | | | |
| ISL | 900 | 3.30 | 34.349 | | 27.36 | 79.00 | 0.952 | 1477.9 | | | | | | | | |
| ISL | 1000 | 3.07 | 34.388 | | 27.41 | 74.27 | 1.029 | 1478.6 | | | | | | | | |
| ISL | 1100 | 2.91 | 34.431 | | 27.46 | 70.02 | 1.101 | 1479.7 | | | | | | | | |
| ISL | 1200 | 2.76 | 34.473 | | 27.51 | 65.74 | 1.169 | 1480.7 | | | | | | | | |
| ISL | 1300 | 2.63 | 34.519 | | 27.56 | 61.57 | 1.233 | 1482.0 | | | | | | | | |
| ISL | 1400 | 2.58 | 34.578 | | 27.61 | 57.14 | 1.292 | 1483.5 | | | | | | | | |
| ISL | 1500 | 2.53 | 34.618 | | 27.64 | 54.19 | 1.348 | 1485.0 | | | | | | | | |
| ISL | 1750 | 2.41 | 34.683 | | 27.71 | 49.25 | 1.477 | 1488.8 | | | | | | | | |
| ISL | 2000 | 2.27 | 34.731 | | 27.76 | 45.28 | 1.595 | 1492.5 | | | | | | | | |
| ISL | 2250 | 2.11 | 34.754 | | 27.79 | 42.83 | 1.705 | 1496.1 | | | | | | | | |
| ISL | 2500 | 1.87 | 34.760 | | 27.81 | 40.22 | 1.809 | 1499.4 | | | | | | | | |
| ISL | 2750 | 1.62 | 34.751 | | 27.82 | 38.49 | 1.907 | 1502.6 | | | | | | | | |
| ISL | 3000 | 1.40 | 34.740 | | 27.83 | 36.93 | 2.002 | 1505.9 | | | | | | | | |
| ISL | 3250 | 1.15 | 34.725 | | 27.84 | 35.20 | 2.092 | 1509.2 | | | | | | | | |

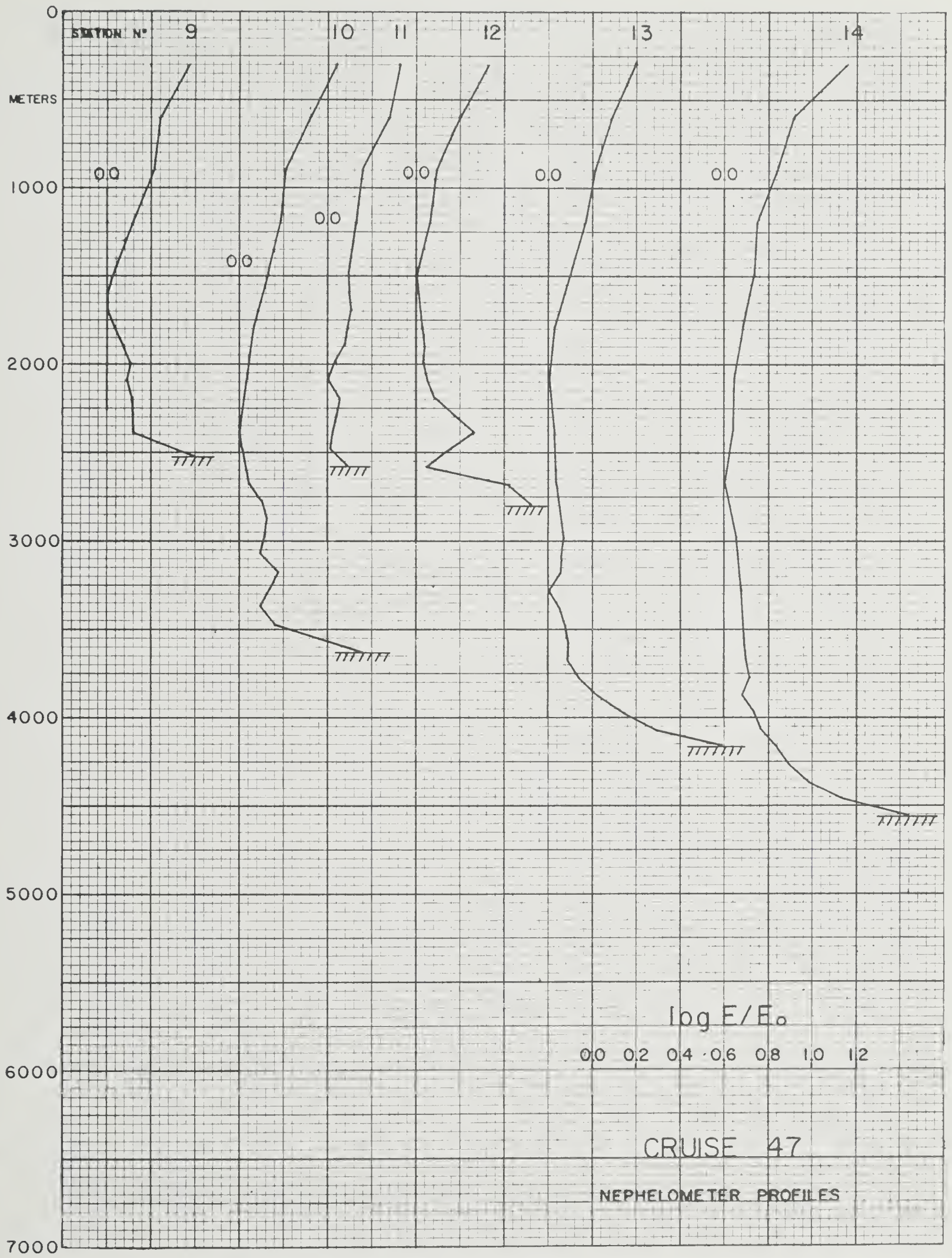
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|---|------------|----|------------------------|------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|-----|
| EL 54 | 1568 | 0 | | 13 | 8 | 72 | 10.6 | 4907.9S | 12457.3E | 467 | 4222 | 8.7 | | 346 | 354 | 23 |
| TYPE | DEPTH m | TEMP °C | | SALIN ‰ | | DENS (σ_t) | | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | |
| OBS | 1 | 8.10 | | 34.448 | | 26.85 | | | | 1482.6 | 641 | | | 5 | | |
| OBS | 52 | 8.12 | | 34.449 | | 26.84 | | | | 1483.5 | 640 | | | 5 | | |
| OBS | 103 | 8.09 | | 34.447 | | 26.85 | | | | 1484.2 | 638 | | | 5 | | |
| OBS | 154 | 8.09 | | 34.452 | | 26.85 | | | | 1485.1 | 638 | | | 5 | | |
| OBS | 204 | 8.24 | | 34.480 | | 26.85 | | | | 1486.5 | 633 | | | 5 | | |
| OBS | 255 | 8.50 | | 34.531 | | 26.85 | | | | 1488.4 | 629 | | | 5 | | |
| OBS | 306 | 8.53 | | 34.541 | | 26.85 | | | | 1489.4 | 628 | | | 5 | | |
| OBS | 404 | 8.48 | | 34.559 | | 26.88 | | | | 1490.8 | 571 | | | 8 | | |
| OBS | 600 | 6.66 | | 34.429 | | 27.04 | | | | 1486.8 | 514 | | | 16 | | |
| OBS | 798 | 4.91 | | 34.346 | | 27.19 | | | | 1482.9 | 498 | | | 27 | | |
| OBS | 998 | 3.70 | | 34.336 | | 27.31 | | | | 1481.2 | 486 | | | 41 | | |
| OBS | 1194 | 3.02 | | 34.397 | | 27.42 | | | | 1481.7 | 453 | | | 55 | | |
| OBS | 1327 | 2.84 | | 34.478 | | 27.51 | | | | 1483.2 | 422 | | | 65 | | |
| OBS | 1682 | 2.57 | | 34.622 | | 27.64 | | | | 1488.3 | 403 | | | 78 | | |
| OBS | 2035 | 2.37 | | 34.713 | | 27.73 | | | | 1493.5 | 413 | | | 88 | | |
| OBS | 2391 | 2.11 | | 34.758 | | 27.79 | | | | 1498.5 | 448 | | | 88 | | |
| OBS | 2745 | 1.83 | | 34.757 | | 27.81 | | | | 1503.4 | 458 | | | 99 | | |
| OBS | 3099 | 1.43 | | 34.744 | | 27.83 | | | | 1507.8 | 464 | | | 112 | | |
| OBS | 3455 | 0.97 | | 34.726 | | 27.85 | | | | 1512.0 | 476 | | | 126 | | |
| OBS | 3810 | 0.76 | | 34.714 | | 27.85 | | | | 1517.3 | 489 | | | 134 | | |
| OBS | 4217 | 0.72 | | 34.704 | | 27.85 | | | | 1524.3 | 491 | | | 137 | | |
| OBS | 4547 | 0.61 | | 34.699 | | 27.85 | | | | 1529.7 | 499 | | | 139 | | |
| OBS | 4577 | 0.62 | | 34.699 | | 27.85 | | | | 1530.3 | 498 | | | 141 | | |
| PING | 15 | | | | | | | | | | | | | | | |
| ISL | 0 | 8.10 | | 34.448 | | 26.85 | | 121.24 | 0.000 | 1482.6 | | | | | | |
| ISL | 10 | 8.11 | | 34.448 | | 26.85 | | 121.51 | 0.012 | 1482.8 | | | | | | |
| ISL | 20 | 8.11 | | 34.448 | | 26.85 | | 121.72 | 0.024 | 1483.0 | | | | | | |
| ISL | 30 | 8.12 | | 34.449 | | 26.84 | | 121.95 | 0.036 | 1483.1 | | | | | | |
| ISL | 50 | 8.12 | | 34.449 | | 26.84 | | 122.34 | 0.061 | 1483.5 | | | | | | |
| ISL | 75 | 8.11 | | 34.448 | | 26.85 | | 122.62 | 0.092 | 1483.8 | | | | | | |
| ISL | 100 | 8.09 | | 34.447 | | 26.85 | | 122.96 | 0.122 | 1484.2 | | | | | | |
| ISL | 125 | 8.08 | | 34.447 | | 26.85 | | 123.26 | 0.153 | 1484.6 | | | | | | |
| ISL | 150 | 8.09 | | 34.451 | | 26.85 | | 123.49 | 0.184 | 1485.0 | | | | | | |
| ISL | 200 | 8.22 | | 34.477 | | 26.85 | | 124.48 | 0.246 | 1486.4 | | | | | | |
| ISL | 250 | 8.48 | | 34.528 | | 26.85 | | 125.52 | 0.308 | 1488.2 | | | | | | |
| ISL | 300 | 8.53 | | 34.540 | | 26.85 | | 126.25 | 0.371 | 1489.3 | | | | | | |
| ISL | 400 | 8.49 | | 34.559 | | 26.87 | | 126.06 | 0.497 | 1490.8 | | | | | | |
| ISL | 500 | 7.59 | | 34.491 | | 26.96 | | 119.19 | 0.620 | 1488.9 | | | | | | |
| ISL | 600 | 6.66 | | 34.429 | | 27.04 | | 111.99 | 0.736 | 1486.8 | | | | | | |
| ISL | 700 | 5.75 | | 34.379 | | 27.12 | | 104.65 | 0.844 | 1484.8 | | | | | | |
| ISL | 800 | 4.90 | | 34.346 | | 27.19 | | 97.25 | 0.945 | 1482.9 | | | | | | |
| ISL | 900 | 4.23 | | 34.332 | | 27.25 | | 91.00 | 1.039 | 1481.8 | | | | | | |
| ISL | 1000 | 3.69 | | 34.336 | | 27.31 | | 85.18 | 1.127 | 1481.2 | | | | | | |
| ISL | 1100 | 3.28 | | 34.359 | | 27.37 | | 79.50 | 1.209 | 1481.2 | | | | | | |
| ISL | 1200 | 3.01 | | 34.400 | | 27.43 | | 73.98 | 1.286 | 1481.7 | | | | | | |
| ISL | 1300 | 2.87 | | 34.462 | | 27.49 | | 68.40 | 1.357 | 1482.9 | | | | | | |
| ISL | 1400 | 2.76 | | 34.516 | | 27.54 | | 63.81 | 1.424 | 1484.2 | | | | | | |
| ISL | 1500 | 2.69 | | 34.560 | | 27.58 | | 60.28 | 1.486 | 1485.6 | | | | | | |
| ISL | 1750 | 2.53 | | 34.643 | | 27.66 | | 53.64 | 1.628 | 1489.3 | | | | | | |
| ISL | 2000 | 2.39 | | 34.706 | | 27.73 | | 48.69 | 1.756 | 1493.0 | | | | | | |
| ISL | 2250 | 2.22 | | 34.746 | | 27.77 | | 44.78 | 1.873 | 1496.6 | | | | | | |
| ISL | 2500 | 2.03 | | 34.763 | | 27.80 | | 42.14 | 1.981 | 1500.1 | | | | | | |
| ISL | 2750 | 1.83 | | 34.757 | | 27.81 | | 40.81 | 2.085 | 1503.5 | | | | | | |
| ISL | 3000 | 1.55 | | 34.748 | | 27.83 | | 38.48 | 2.184 | 1506.6 | | | | | | |
| ISL | 3250 | 1.24 | | 34.737 | | 27.84 | | 35.62 | 2.277 | 1509.6 | | | | | | |
| ISL | 3500 | 0.93 | | 34.724 | | 27.85 | | 32.59 | 2.362 | 1512.6 | | | | | | |
| ISL | 3750 | 0.78 | | 34.716 | | 27.85 | | 31.35 | 2.442 | 1516.3 | | | | | | |
| ISL | 4000 | 0.75 | | 34.709 | | 27.85 | | 31.72 | 2.521 | 1520.6 | | | | | | |
| ISL | 4500 | 0.62 | | 34.699 | | 27.85 | | 30.83 | 2.677 | 1528.9 | | | | | | |

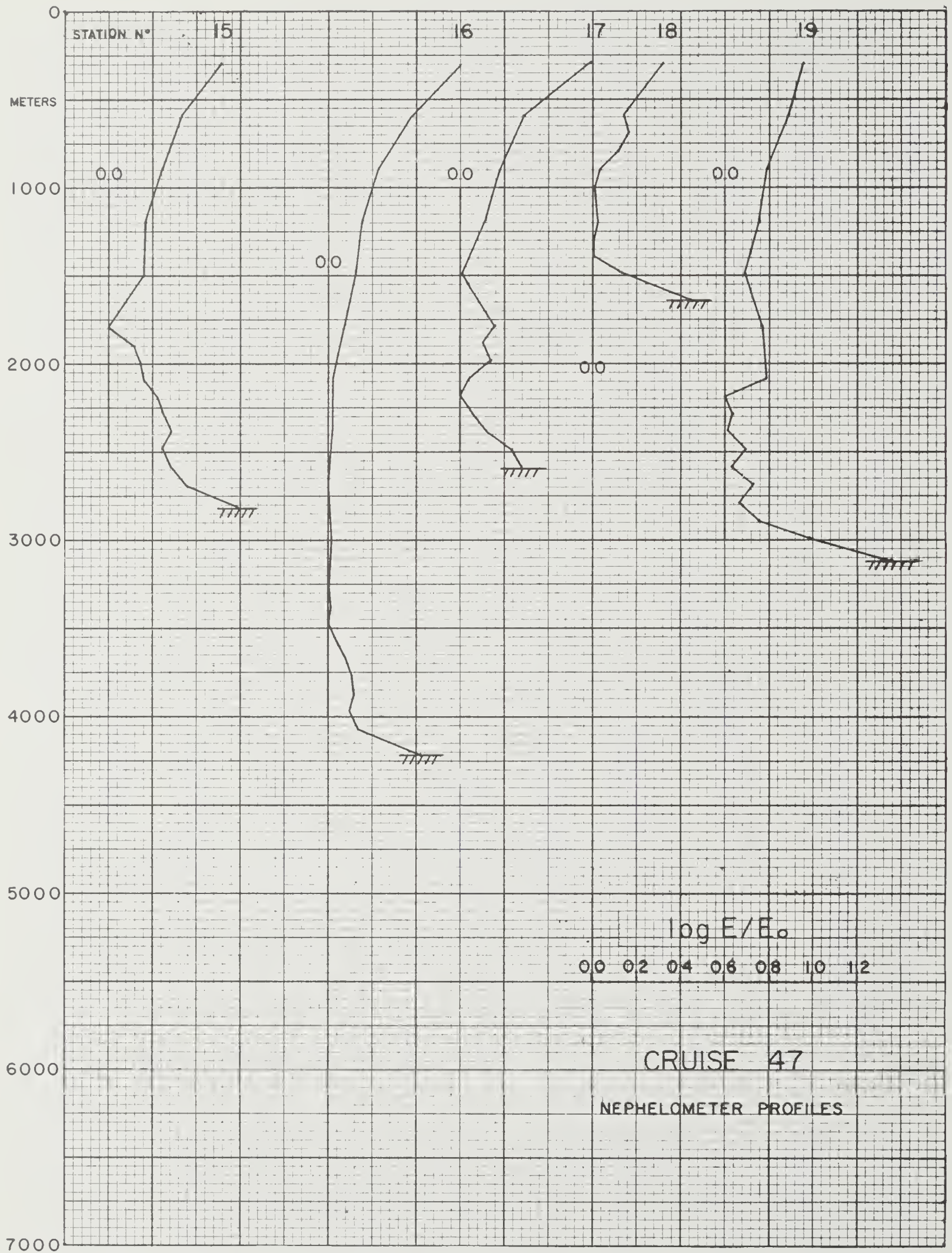
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 54 | 1569 | 0 | | 14 | 8 | 72 | 5.9 | 4804.7S | 12613.3E | 467 | 4679 | 8.3 | | 304 | 293 | 23 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 8.72 | 34.593 | 26.86 | | | 1485.1 | 634 | | | 4 | | | | | |
| OBS | 50 | 8.64 | 34.579 | 26.87 | | | 1485.6 | 633 | | | 4 | | | | | |
| OBS | 100 | 8.62 | 34.582 | 26.87 | | | 1486.4 | 632 | | | 4 | | | | | |
| OBS | 149 | 8.63 | 34.580 | 26.87 | | | 1487.2 | 631 | | | 4 | | | | | |
| OBS | 199 | 8.63 | 34.576 | 26.87 | | | 1488.0 | 630 | | | 4 | | | | | |
| OBS | 298 | 8.65 | 34.581 | 26.87 | | | 1489.7 | 624 | | | 4 | | | | | |
| OBS | 397 | 8.60 | 34.601 | 26.89 | | | 1491.2 | 595 | | | 5 | | | | | |
| OBS | 496 | 8.53 | 34.609 | 26.91 | | | 1492.6 | 569 | | | 6 | | | | | |
| OBS | 596 | 8.01 | 34.539 | 26.93 | | | 1492.2 | 574 | | | 7 | | | | | |
| OBS | 795 | 7.52 | 34.479 | 26.96 | | | 1493.5 | 567 | | | 9 | | | | | |
| OBS | 995 | 5.58 | 34.387 | 27.14 | | | 1489.0 | 480 | | | 24 | | | | | |
| OBS | 1195 | 3.98 | 34.349 | 27.29 | | | 1485.7 | 475 | | | 38 | | | | | |
| OBS | 1378 | 3.17 | 34.392 | 27.41 | | | 1485.4 | 451 | | | 52 | | | | | |
| OBS | 1721 | 2.71 | 34.544 | 27.57 | | | 1489.5 | 403 | | | 71 | | | | | |
| OBS | 2063 | 2.47 | 34.669 | 27.69 | | | 1494.4 | 411 | | | 80 | | | | | |
| OBS | 2453 | 2.22 | 34.738 | 27.77 | | | 1500.1 | 433 | | | 86 | | | | | |
| OBS | 2844 | 1.96 | 34.774 | 27.82 | | | 1505.8 | 454 | | | 93 | | | | | |
| OBS | 3238 | 1.54 | 34.746 | 27.83 | | | 1510.8 | 469 | | | 106 | | | | | |
| OBS | 3631 | 1.13 | 34.728 | 27.84 | | | 1515.9 | 472 | | | 119 | | | | | |
| OBS | 3980 | 0.64 | 34.704 | 27.85 | | | 1519.9 | 497 | | | 135 | | | | | |
| OBS | 4324 | 0.60 | 34.696 | 27.85 | | | 1525.8 | 495 | | | 136 | | | | | |
| OBS | 4505 | 0.61 | 34.697 | 27.85 | | | 1529.1 | 504 | | | 137 | | | | | |
| OBS | 4663 | 0.62 | 34.695 | 27.85 | | | 1532.0 | 497 | | | 136 | | | | | |
| PING | 45 | | | | | | | | | | | | | | | |

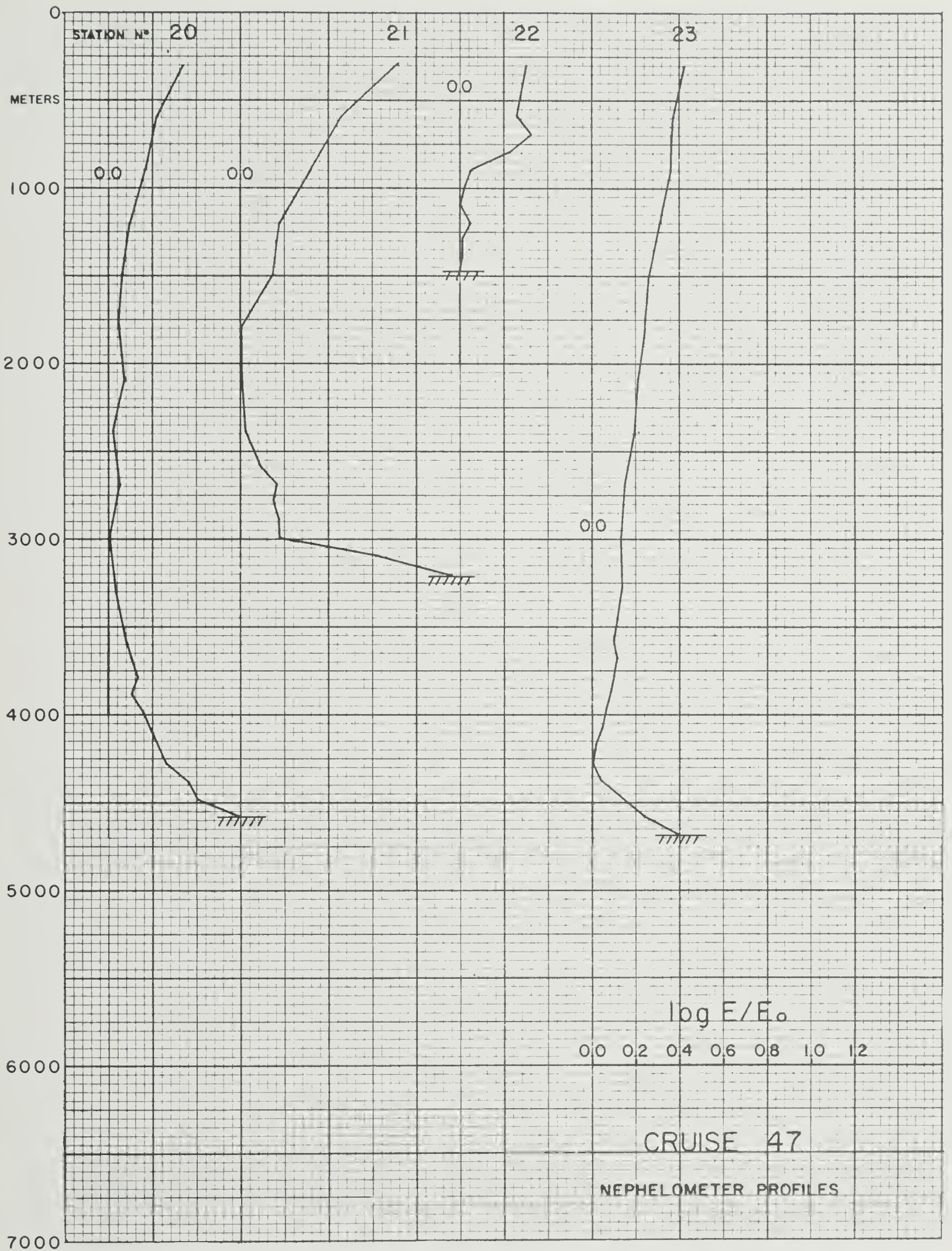
| | | | | | | | | | | | | | | | | |
|-----|------|------|--------|-------|--------|-------|--------|--|--|--|--|--|--|--|--|--|
| ISL | 0 | 8.72 | 34.593 | 26.86 | 119.54 | 0.000 | 1485.1 | | | | | | | | | |
| ISL | 10 | 8.70 | 34.589 | 26.86 | 119.71 | 0.012 | 1485.2 | | | | | | | | | |
| ISL | 20 | 8.68 | 34.586 | 26.86 | 119.88 | 0.024 | 1485.3 | | | | | | | | | |
| ISL | 30 | 8.67 | 34.583 | 26.87 | 120.04 | 0.036 | 1485.4 | | | | | | | | | |
| ISL | 50 | 8.64 | 34.579 | 26.87 | 120.33 | 0.060 | 1485.6 | | | | | | | | | |
| ISL | 75 | 8.62 | 34.581 | 26.87 | 120.43 | 0.090 | 1486.0 | | | | | | | | | |
| ISL | 100 | 8.62 | 34.582 | 26.87 | 120.76 | 0.120 | 1486.4 | | | | | | | | | |
| ISL | 125 | 8.63 | 34.582 | 26.87 | 121.37 | 0.150 | 1486.8 | | | | | | | | | |
| ISL | 150 | 8.63 | 34.580 | 26.87 | 122.02 | 0.181 | 1487.2 | | | | | | | | | |
| ISL | 200 | 8.63 | 34.576 | 26.87 | 123.25 | 0.242 | 1488.1 | | | | | | | | | |
| ISL | 250 | 8.64 | 34.577 | 26.86 | 124.26 | 0.304 | 1488.9 | | | | | | | | | |
| ISL | 300 | 8.65 | 34.581 | 26.87 | 125.03 | 0.366 | 1489.8 | | | | | | | | | |
| ISL | 400 | 8.60 | 34.601 | 26.89 | 124.60 | 0.491 | 1491.3 | | | | | | | | | |
| ISL | 500 | 8.52 | 34.608 | 26.91 | 124.73 | 0.616 | 1492.6 | | | | | | | | | |
| ISL | 600 | 7.99 | 34.537 | 26.93 | 123.61 | 0.740 | 1492.2 | | | | | | | | | |
| ISL | 700 | 7.68 | 34.511 | 26.96 | 122.40 | 0.863 | 1492.6 | | | | | | | | | |
| ISL | 800 | 7.49 | 34.477 | 26.96 | 123.54 | 0.986 | 1493.5 | | | | | | | | | |
| ISL | 900 | 6.47 | 34.433 | 27.06 | 113.32 | 1.104 | 1491.1 | | | | | | | | | |
| ISL | 1000 | 5.54 | 34.385 | 27.15 | 104.94 | 1.214 | 1488.9 | | | | | | | | | |
| ISL | 1100 | 4.66 | 34.357 | 27.23 | 96.37 | 1.314 | 1487.0 | | | | | | | | | |
| ISL | 1200 | 3.95 | 34.349 | 27.30 | 88.93 | 1.407 | 1485.7 | | | | | | | | | |
| ISL | 1300 | 3.45 | 34.365 | 27.36 | 82.43 | 1.493 | 1485.3 | | | | | | | | | |
| ISL | 1400 | 3.10 | 34.400 | 27.42 | 76.31 | 1.572 | 1485.5 | | | | | | | | | |
| ISL | 1500 | 2.92 | 34.448 | 27.47 | 71.29 | 1.646 | 1486.5 | | | | | | | | | |
| ISL | 1750 | 2.68 | 34.556 | 27.58 | 61.93 | 1.812 | 1489.9 | | | | | | | | | |
| ISL | 2000 | 2.51 | 34.650 | 27.67 | 54.31 | 1.958 | 1493.5 | | | | | | | | | |
| ISL | 2250 | 2.35 | 34.711 | 27.73 | 49.01 | 2.087 | 1497.2 | | | | | | | | | |
| ISL | 2500 | 2.19 | 34.744 | 27.77 | 45.62 | 2.205 | 1500.8 | | | | | | | | | |
| ISL | 2750 | 2.03 | 34.770 | 27.81 | 42.63 | 2.315 | 1504.5 | | | | | | | | | |
| ISL | 3000 | 1.79 | 34.763 | 27.82 | 40.86 | 2.420 | 1507.8 | | | | | | | | | |
| ISL | 3250 | 1.53 | 34.745 | 27.83 | 39.10 | 2.520 | 1511.0 | | | | | | | | | |
| ISL | 3500 | 1.27 | 34.735 | 27.84 | 36.72 | 2.614 | 1514.2 | | | | | | | | | |
| ISL | 3750 | 0.97 | 34.721 | 27.84 | 33.87 | 2.703 | 1517.3 | | | | | | | | | |
| ISL | 4000 | 0.63 | 34.703 | 27.85 | 30.26 | 2.783 | 1520.2 | | | | | | | | | |
| ISL | 4500 | 0.61 | 34.697 | 27.85 | 30.84 | 2.936 | 1529.0 | | | | | | | | | |

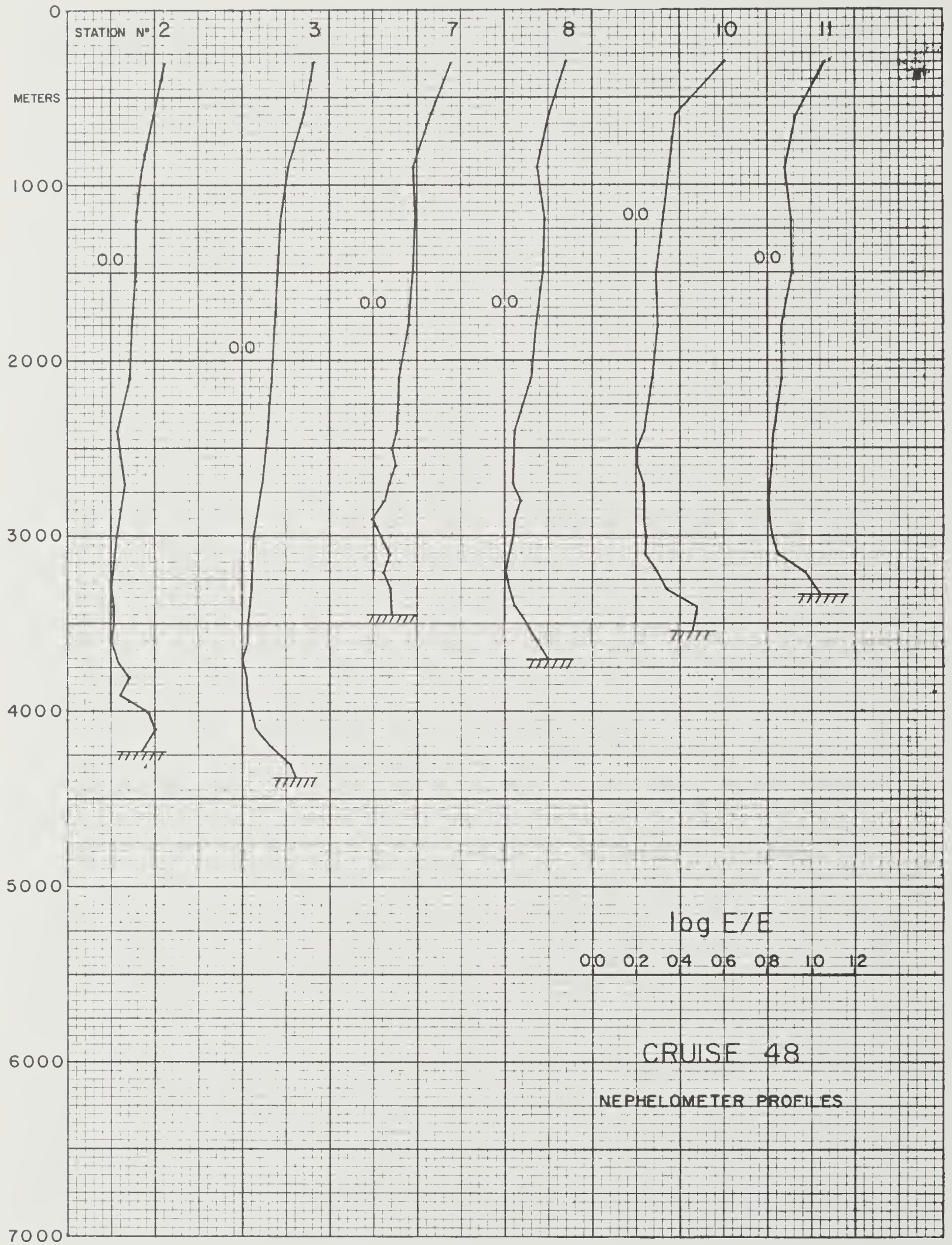
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|-----|--|-----|-----|-----|
| EL 54 | 1570 | 0 | | 17 | 8 | 72 | 8.1 | 4751.2S | 12352.5E | 467 | 4324 | 8.7 | | 66 | 53 | 3 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| CBS | 4312Q | 0.63 | 34.705 | 27.85 | | | 1525.3 | | | | | | | | | |
| CBS | 4363Q | 0.62 | 34.701 | 27.85 | | | 1526.1 | | | | | | | | | |
| CBS | 4393Q | 0.62 | 34.694 | 27.85 | | | 1526.7 | | | | | | | | | |
| PING | 20 | | | | | | | | | | | | | | | |

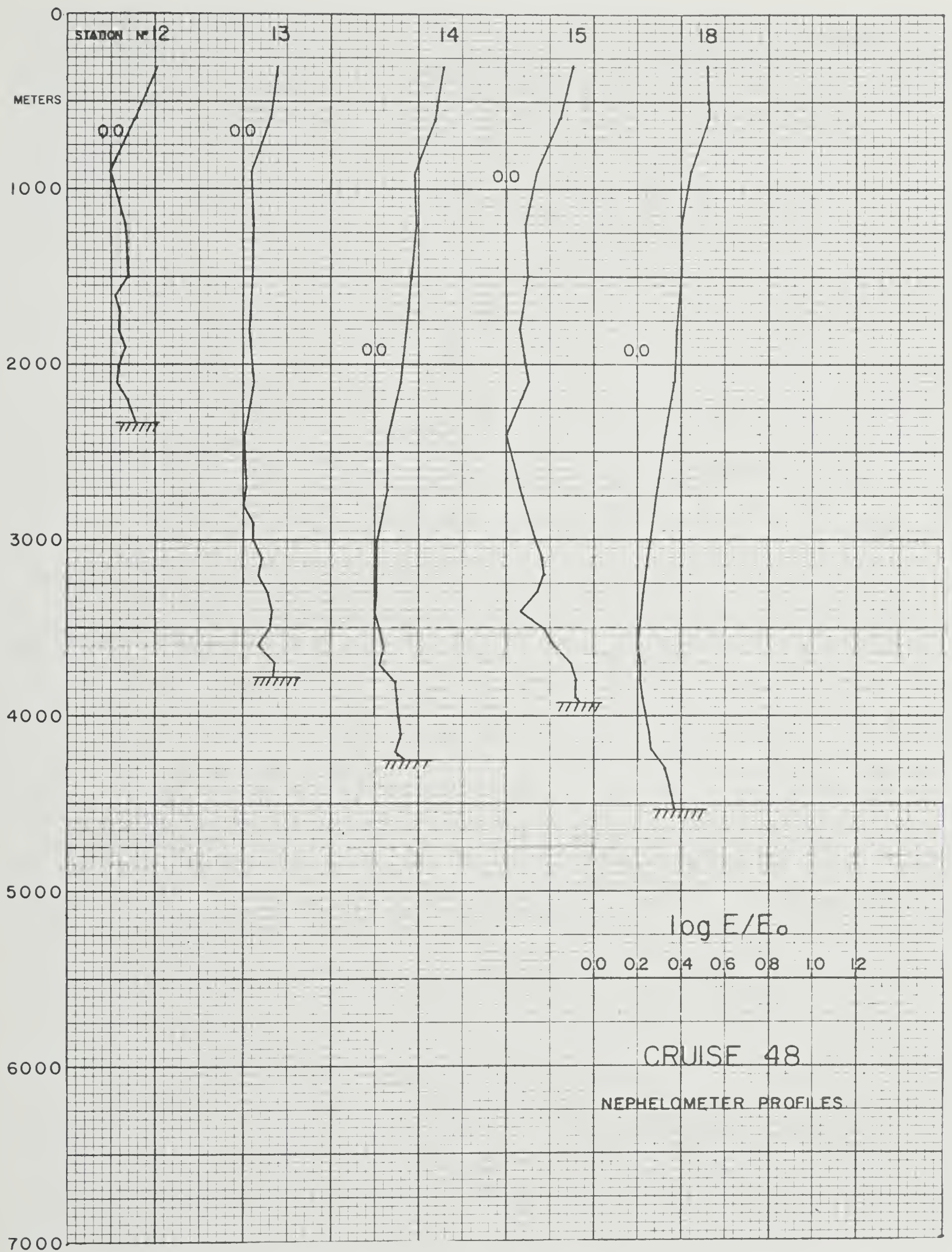
| CRUISE | STA | M | R | DA | MO | YR | GMT | LATITUDE | LONGITUDE | MAR | DEPTH | AIR | | WND | SEA | OBS |
|--------|------------|------------|------------|------------------------|--------------|-----------------|----------------|-------------------------------|---------------------------------|-------------------|-----------------|------|--|-----|-----|-----|
| EL 55 | 1571 | 0 | | 1 | 11 | 72 | 4.7 | 3847.8S | 14929.9E | 429 | 3644 | 15.5 | | 94 | 103 | 28 |
| TYPE | DEPTH m | TEMP °C | SALIN ‰ | DENS (σ_t) | ANOM cl/T | DYN HT dyn m | VELOC m/sec | OXYG 10 ² ·ml/l | PHOS 10 ² ·µgat/l | NITR 10·µgat/l | SILIC µgat/l | | | | | |
| OBS | 1 | 16.28 | 35.521 | 26.10 | | | 1512.0 | | | | 1 | | | | | |
| OBS | 47 | 14.06 | 35.376 | 26.48 | | | 1505.6 | | | | 2 | | | | | |
| OBS | 93 | 13.01 | 35.275 | 26.62 | | | 1502.8 | | | | 2 | | | | | |
| OBS | 184 | 12.16 | 35.178 | 26.71 | | | 1501.3 | | | | 3 | | | | | |
| OBS | 275 | 11.06 | 34.987 | 26.77 | | | 1498.7 | | | | 5 | | | | | |
| OBS | 366 | 9.69 | 34.783 | 26.85 | | | 1495.0 | | | | 6 | | | | | |
| OBS | 457 | 8.87 | 34.661 | 26.89 | | | 1493.3 | | | | 7 | | | | | |
| OBS | 548 | 8.48 | 34.628 | 26.93 | | | 1493.3 | | | | 10 | | | | | |
| OBS | 733 | 7.30 | 34.533 | 27.03 | | | 1491.7 | | | | 20 | | | | | |
| OBS | 919 | 5.89 | 34.461 | 27.16 | | | 1489.1 | | | | 33 | | | | | |
| OBS | 1212 | | 34.521 | | | | | | | | 78 | | | | | |
| OBS | 1510 | 2.89 | 34.598 | 27.60 | | | 1486.7 | | | | 98 | | | | | |
| OBS | 1600 | 2.71 | 34.616 | 27.63 | | | 1487.5 | | | | 102 | | | | | |
| OBS | 2100 | 2.16 | 34.702 | 27.74 | | | 1493.8 | | | | 102 | | | | | |
| OBS | 2600 | 1.85 | 34.733 | 27.79 | | | 1501.1 | | | | 111 | | | | | |
| OBS | 2630 | | 34.731 | | | | | | | | | | | | | |
| OBS | 3102 | 1.52 | 34.735 | 27.82 | | | 1508.3 | | | | 119 | | | | | |
| OBS | 3131 | | 34.734 | | | | | | | | | | | | | |
| OBS | 3232 | | 34.728 | | | | | | | | | | | | | |
| OBS | 3332 | | 34.731 | | | | | | | | | | | | | |
| OBS | 3381 | | 34.726 | | | | | | | | | | | | | |
| OBS | 3403 | 1.28 | 34.725 | 27.83 | | | 1512.5 | | | | 128 | | | | | |
| OBS | 3433 | | 34.719 | | | | | | | | | | | | | |
| OBS | 3481 | | 34.726 | | | | | | | | | | | | | |
| OBS | 3532 | | 34.721 | | | | | | | | | | | | | |
| OBS | 3557 | | 34.720 | | | | | | | | | | | | | |
| OBS | 3581 | | 34.718 | | | | | | | | | | | | | |
| OBS | 3586 | 1.11 | 34.719 | 27.83 | | | 1515.0 | | | | 134 | | | | | |
| PING | 19 | | | | | | | | | | | | | | | |
| ISL | 0 | 16.28 | 35.521 | 26.10 | 192.02 | 0.000 | 1512.0 | | | | | | | | | |
| ISL | 10 | 15.77 | 35.489 | 26.19 | 183.50 | 0.019 | 1510.6 | | | | | | | | | |
| ISL | 20 | 15.25 | 35.456 | 26.29 | 175.03 | 0.037 | 1509.1 | | | | | | | | | |
| ISL | 30 | 14.77 | 35.425 | 26.37 | 167.60 | 0.054 | 1507.7 | | | | | | | | | |
| ISL | 50 | 13.96 | 35.368 | 26.50 | 155.77 | 0.086 | 1505.3 | | | | | | | | | |
| ISL | 75 | 13.29 | 35.310 | 26.59 | 147.44 | 0.124 | 1503.4 | | | | | | | | | |
| ISL | 100 | 12.92 | 35.264 | 26.63 | 144.36 | 0.161 | 1502.6 | | | | | | | | | |
| ISL | 125 | 12.73 | 35.235 | 26.65 | 143.37 | 0.197 | 1502.3 | | | | | | | | | |
| ISL | 150 | 12.50 | 35.220 | 26.68 | 140.80 | 0.232 | 1501.9 | | | | | | | | | |
| ISL | 200 | 11.99 | 35.151 | 26.73 | 137.64 | 0.302 | 1500.9 | | | | | | | | | |
| ISL | 250 | 11.39 | 35.041 | 26.76 | 135.95 | 0.370 | 1499.5 | | | | | | | | | |
| ISL | 300 | 10.71 | 34.932 | 26.79 | 133.10 | 0.437 | 1497.8 | | | | | | | | | |
| ISL | 400 | 9.33 | 34.727 | 26.87 | 126.93 | 0.567 | 1494.1 | | | | | | | | | |
| ISL | 500 | 8.70 | 34.645 | 26.91 | 124.81 | 0.693 | 1493.3 | | | | | | | | | |
| ISL | 600 | 8.19 | 34.603 | 26.95 | 121.82 | 0.817 | 1493.0 | | | | | | | | | |
| ISL | 700 | 7.53 | 34.548 | 27.01 | 117.41 | 0.936 | 1492.1 | | | | | | | | | |
| ISL | 800 | 6.82 | 34.502 | 27.07 | 111.72 | 1.051 | 1490.9 | | | | | | | | | |
| ISL | 900 | 6.03 | 34.465 | 27.15 | 104.59 | 1.159 | 1489.4 | | | | | | | | | |
| ISL | 1000 | 5.33 | 34.471 | 27.24 | 95.90 | 1.259 | 1488.2 | | | | | | | | | |
| ISL | 1100 | 4.70 | 34.495 | 27.33 | 86.83 | 1.350 | 1487.3 | | | | | | | | | |
| ISL | 1200 | 4.07 | 34.518 | 27.42 | 78.03 | 1.433 | 1486.4 | | | | | | | | | |
| ISL | 1300 | 3.60 | 34.542 | 27.48 | 71.25 | 1.508 | 1486.2 | | | | | | | | | |
| ISL | 1400 | 3.25 | 34.570 | 27.54 | 65.58 | 1.576 | 1486.4 | | | | | | | | | |
| ISL | 1500 | 2.92 | 34.596 | 27.59 | 60.44 | 1.639 | 1486.7 | | | | | | | | | |
| ISL | 1750 | 2.47 | 34.644 | 27.67 | 52.87 | 1.781 | 1489.1 | | | | | | | | | |
| ISL | 2000 | 2.24 | 34.689 | 27.72 | 48.09 | 1.907 | 1492.4 | | | | | | | | | |
| ISL | 2250 | 2.07 | 34.721 | 27.76 | 44.60 | 2.023 | 1496.0 | | | | | | | | | |
| ISL | 2500 | 1.91 | 34.734 | 27.79 | 42.67 | 2.132 | 1499.6 | | | | | | | | | |
| ISL | 2750 | 1.75 | 34.731 | 27.80 | 41.74 | 2.237 | 1503.2 | | | | | | | | | |
| ISL | 3000 | 1.59 | 34.736 | 27.81 | 39.96 | 2.339 | 1506.9 | | | | | | | | | |
| ISL | 3250 | 1.41 | 34.728 | 27.82 | 38.61 | 2.438 | 1510.4 | | | | | | | | | |
| ISL | 3500 | 1.19 | 34.724 | 27.83 | 36.41 | 2.531 | 1513.8 | | | | | | | | | |

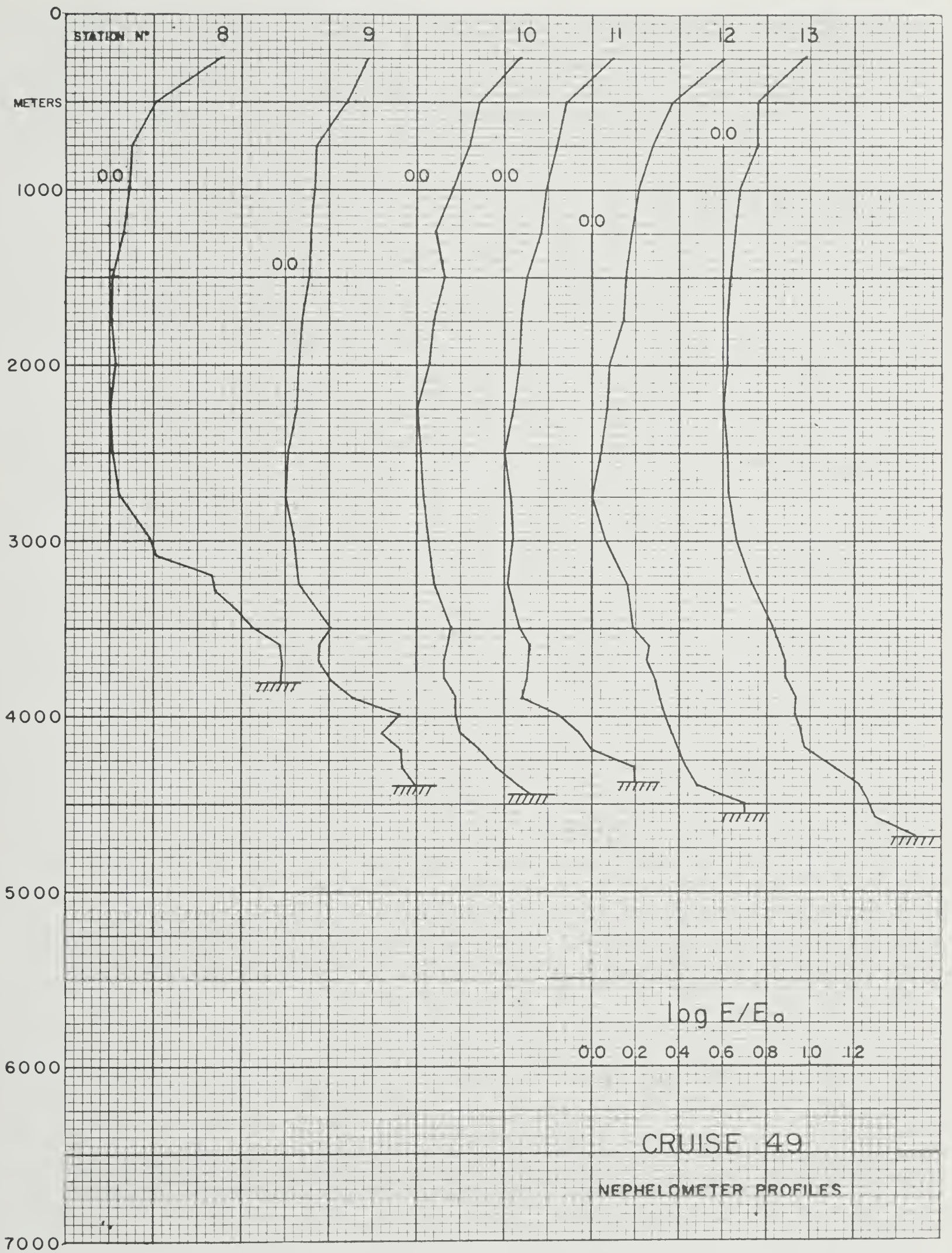


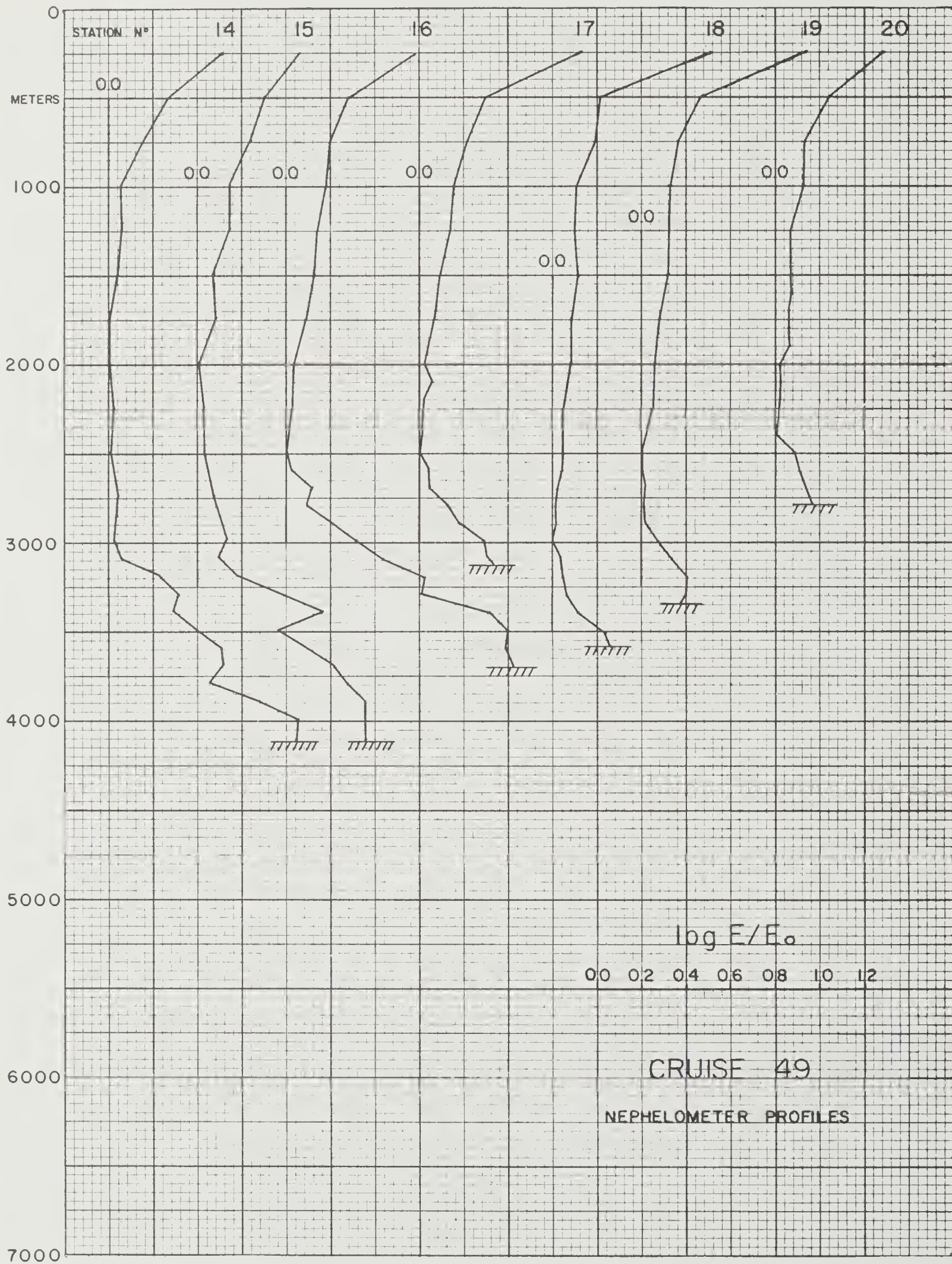


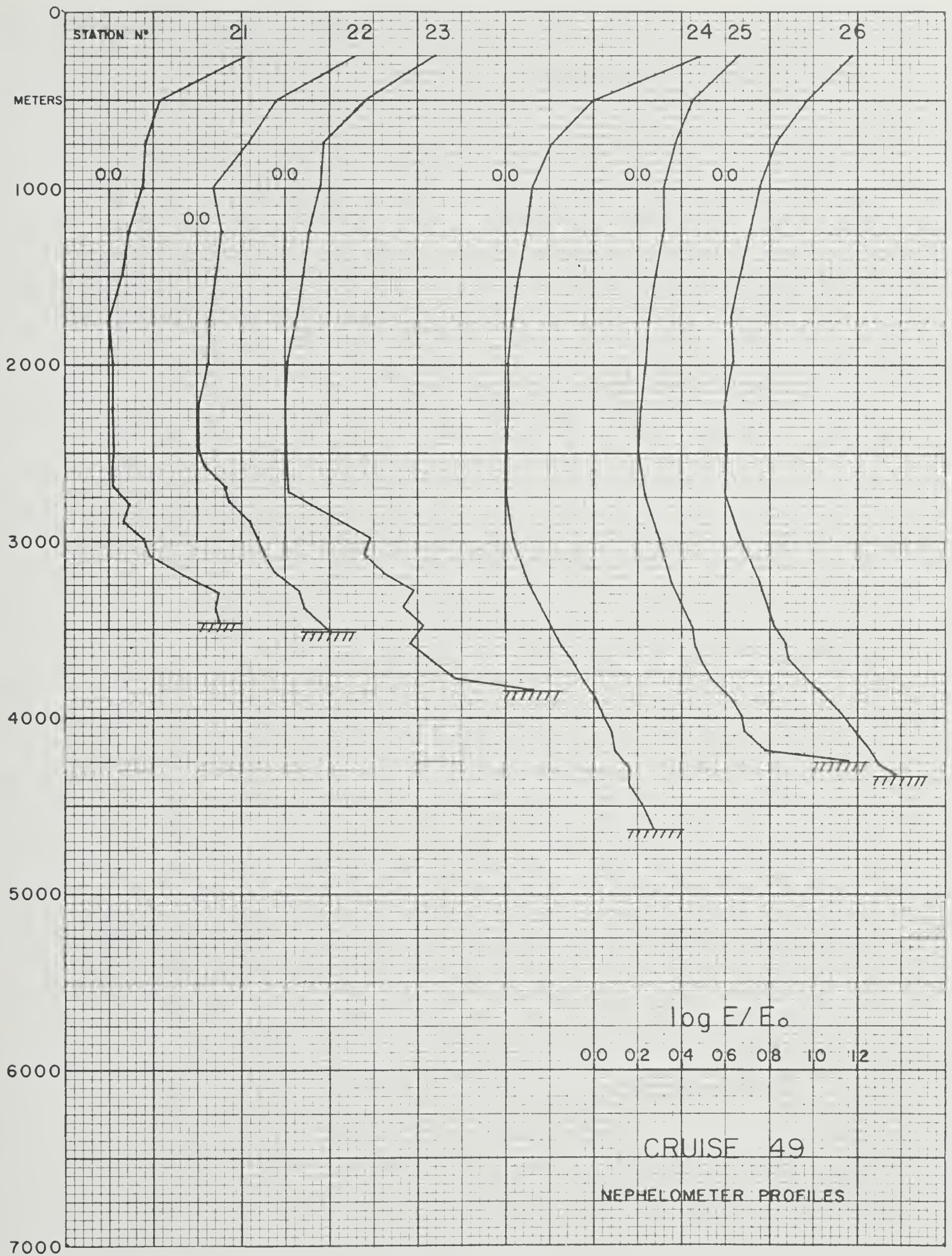


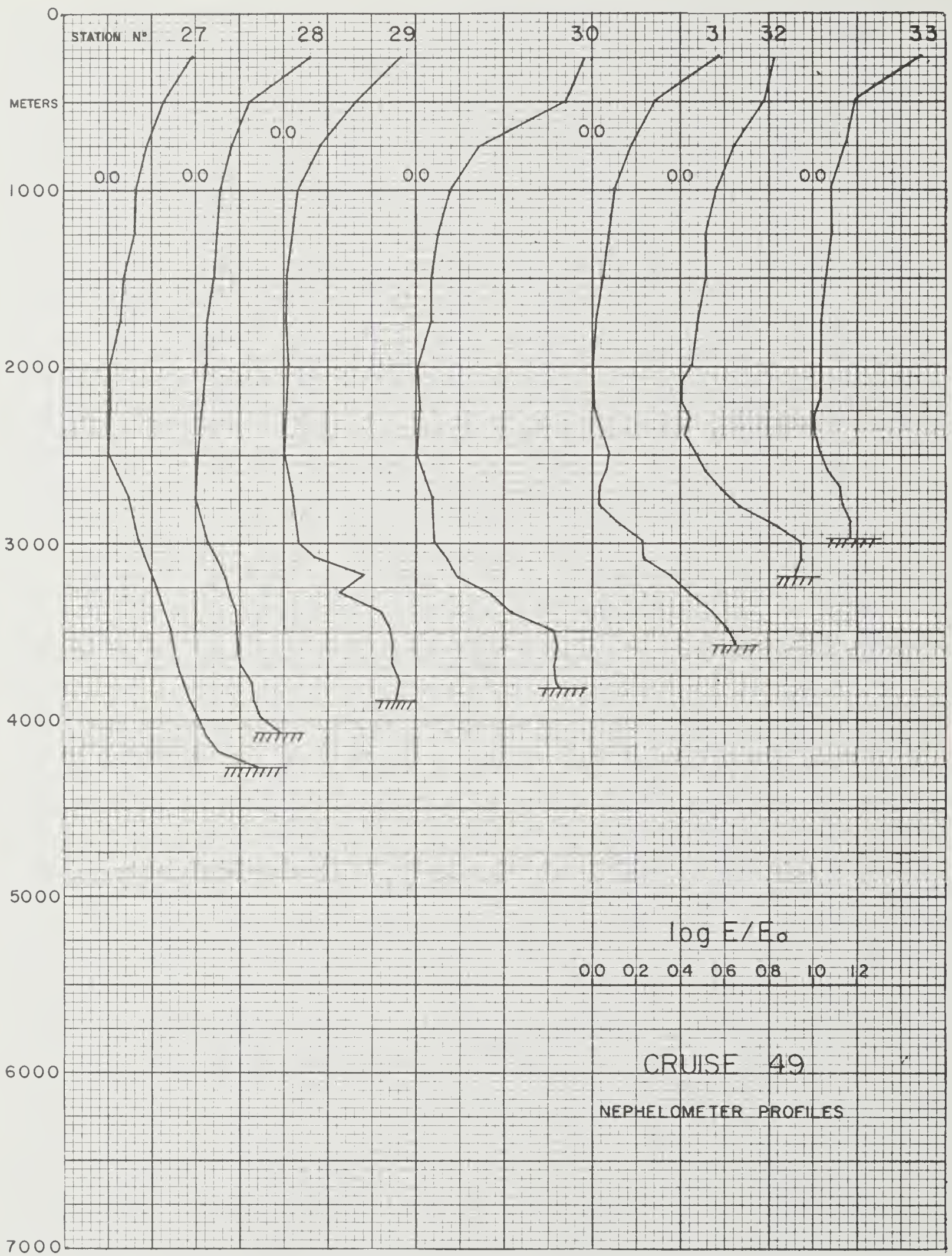


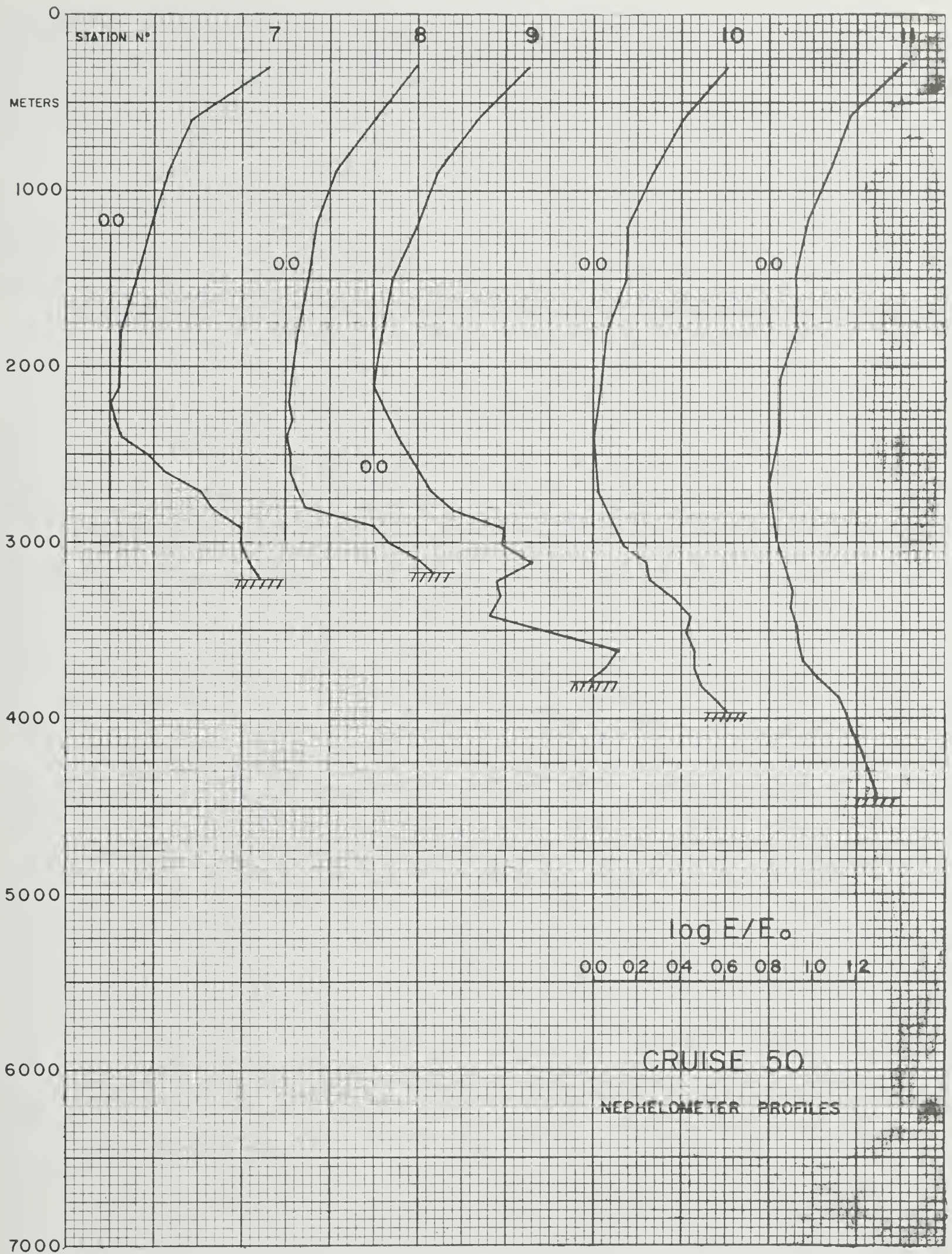


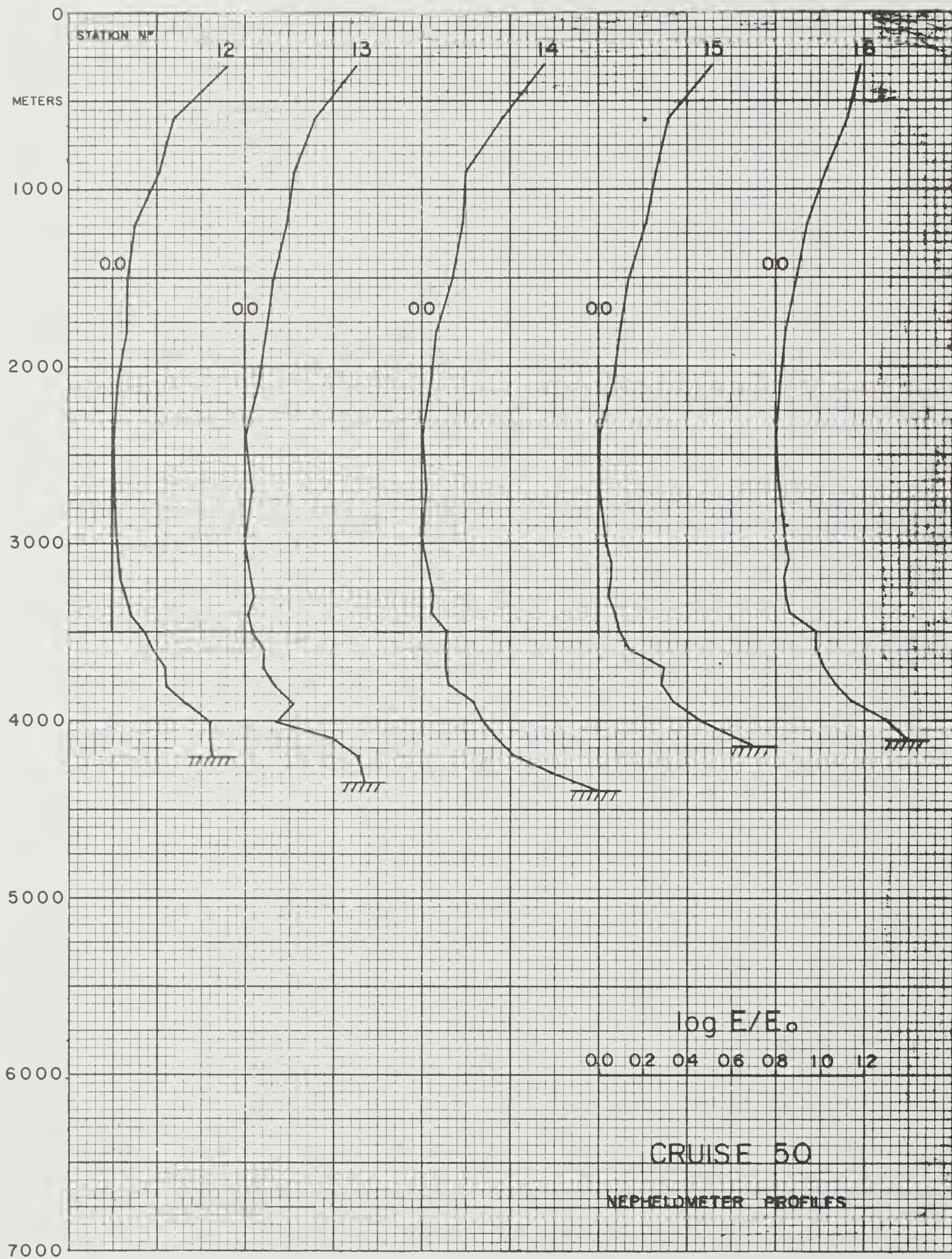


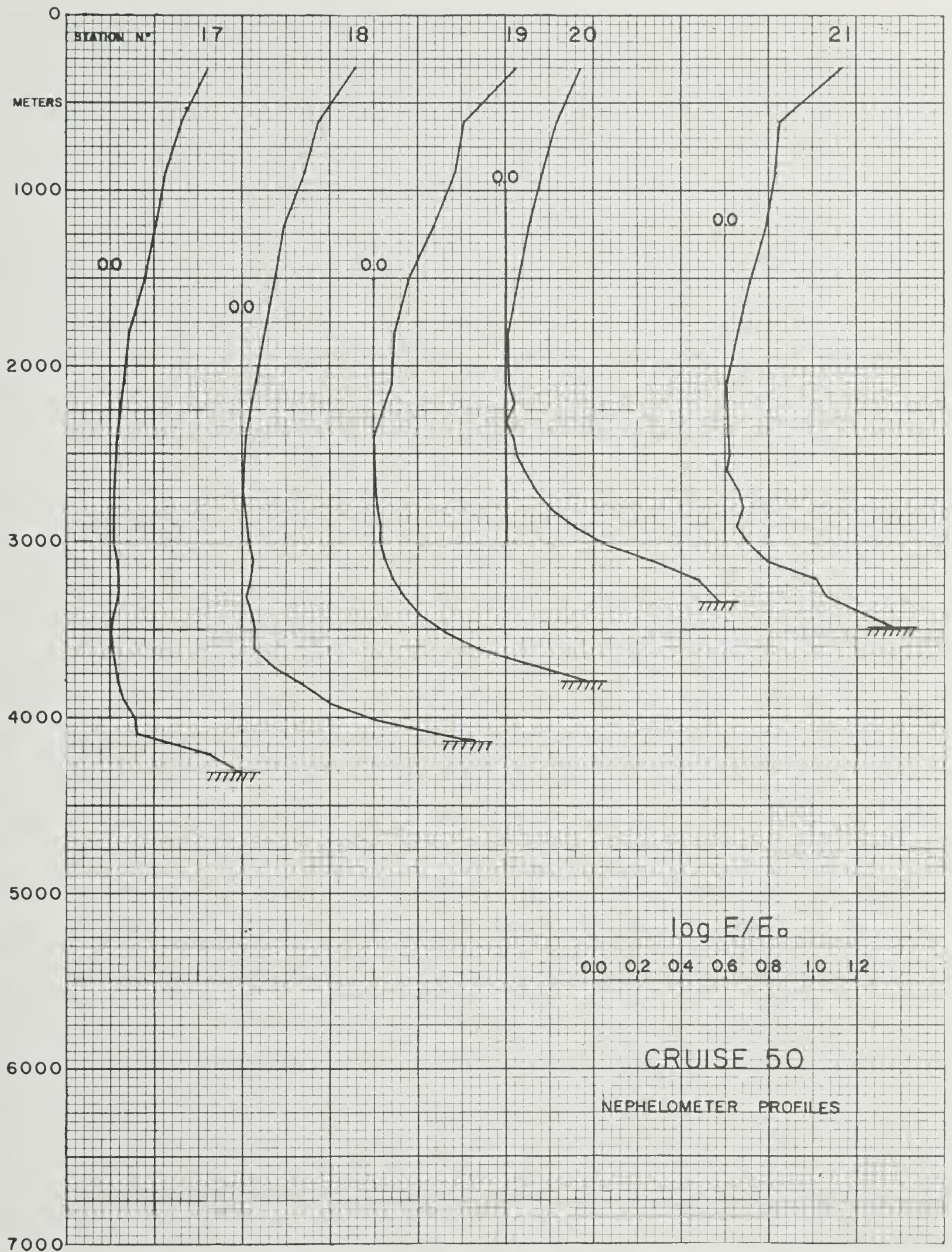


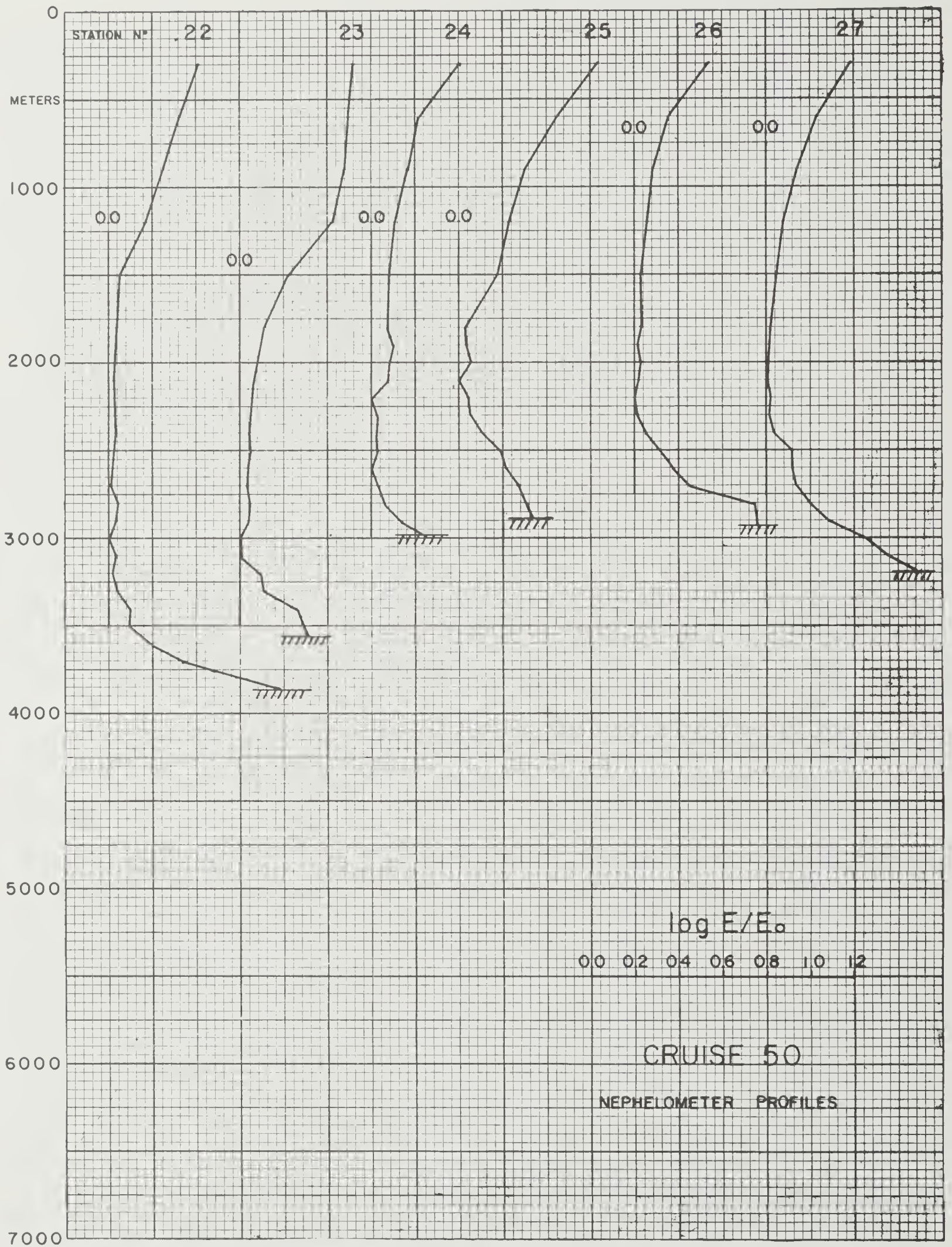


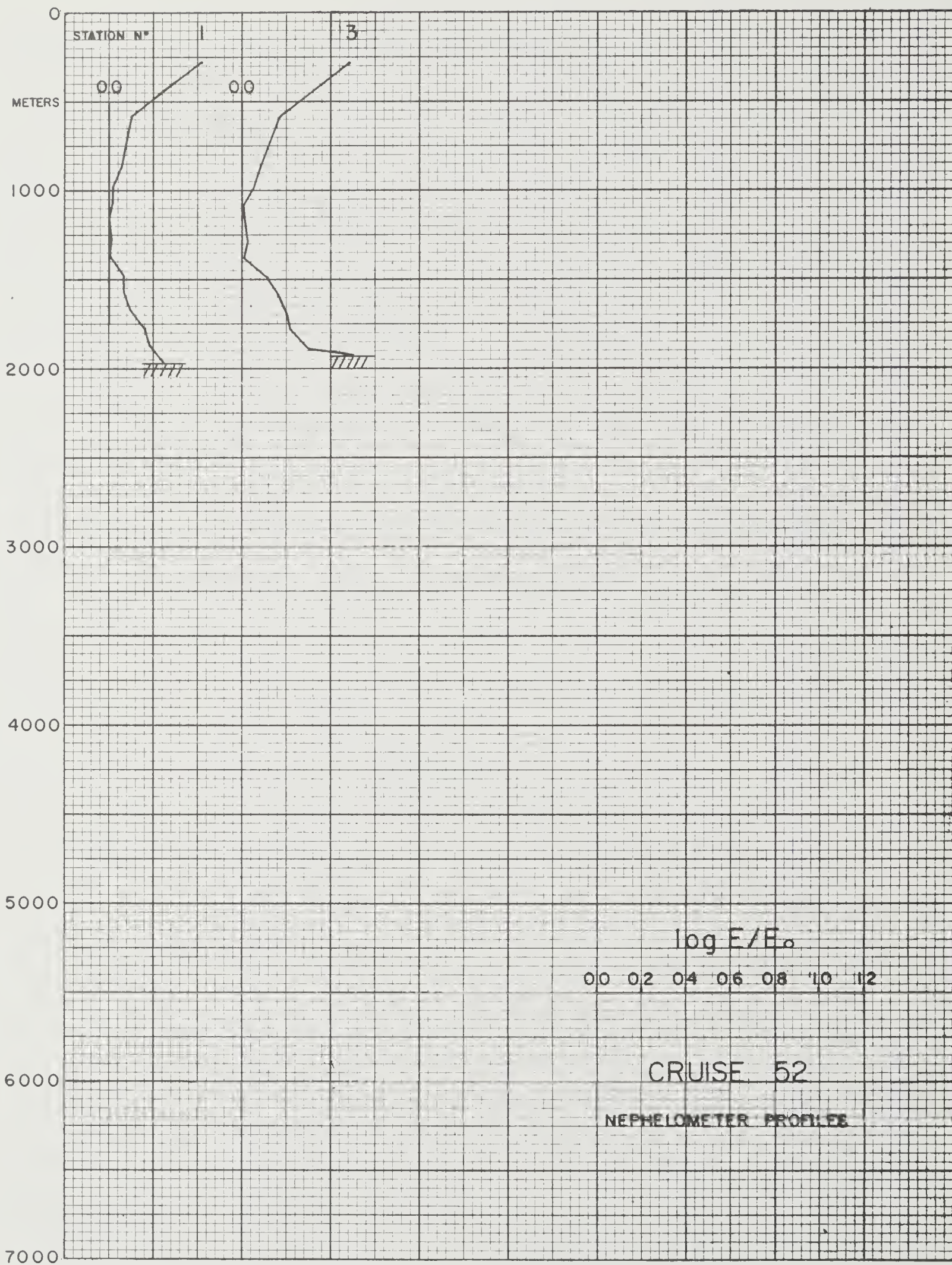


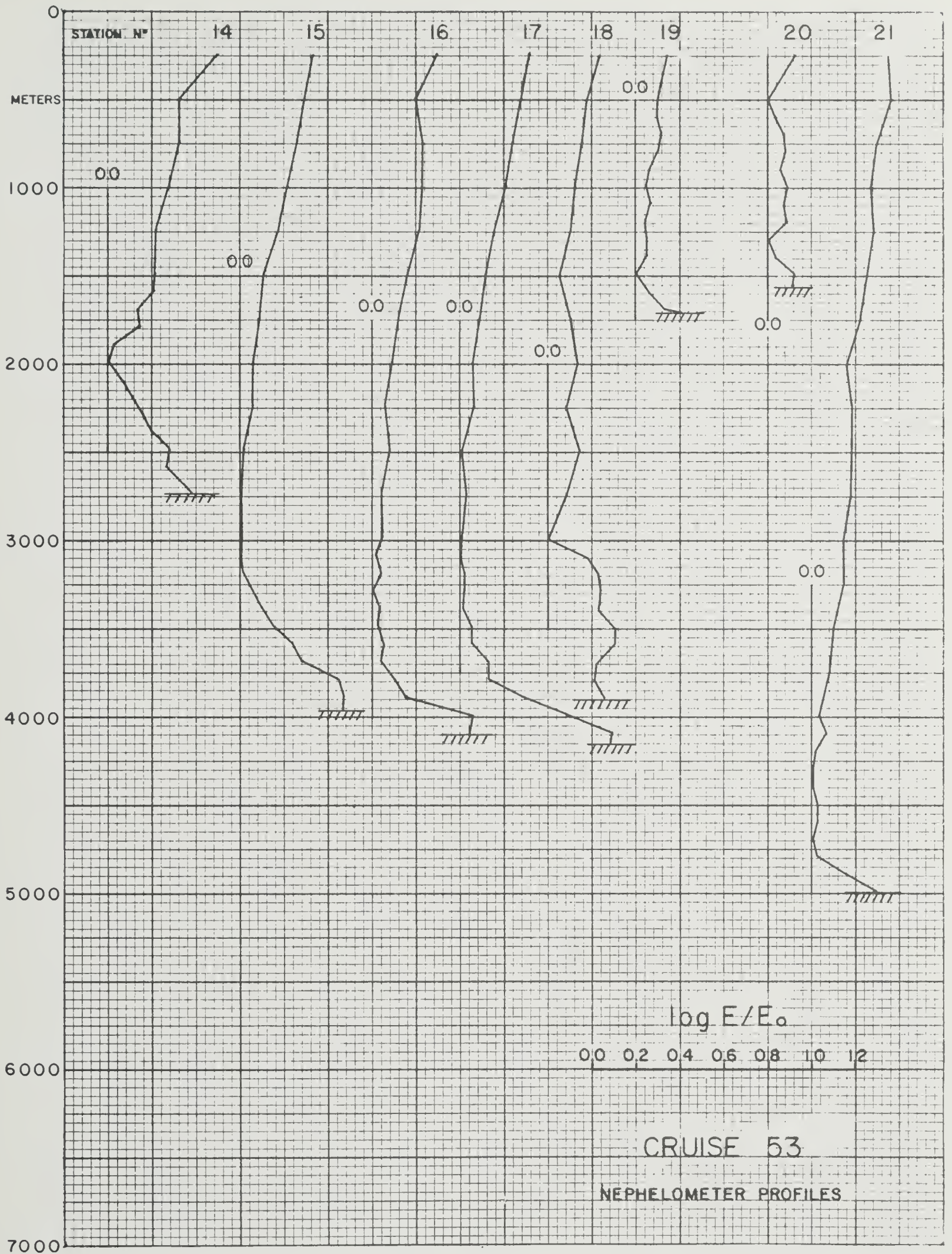


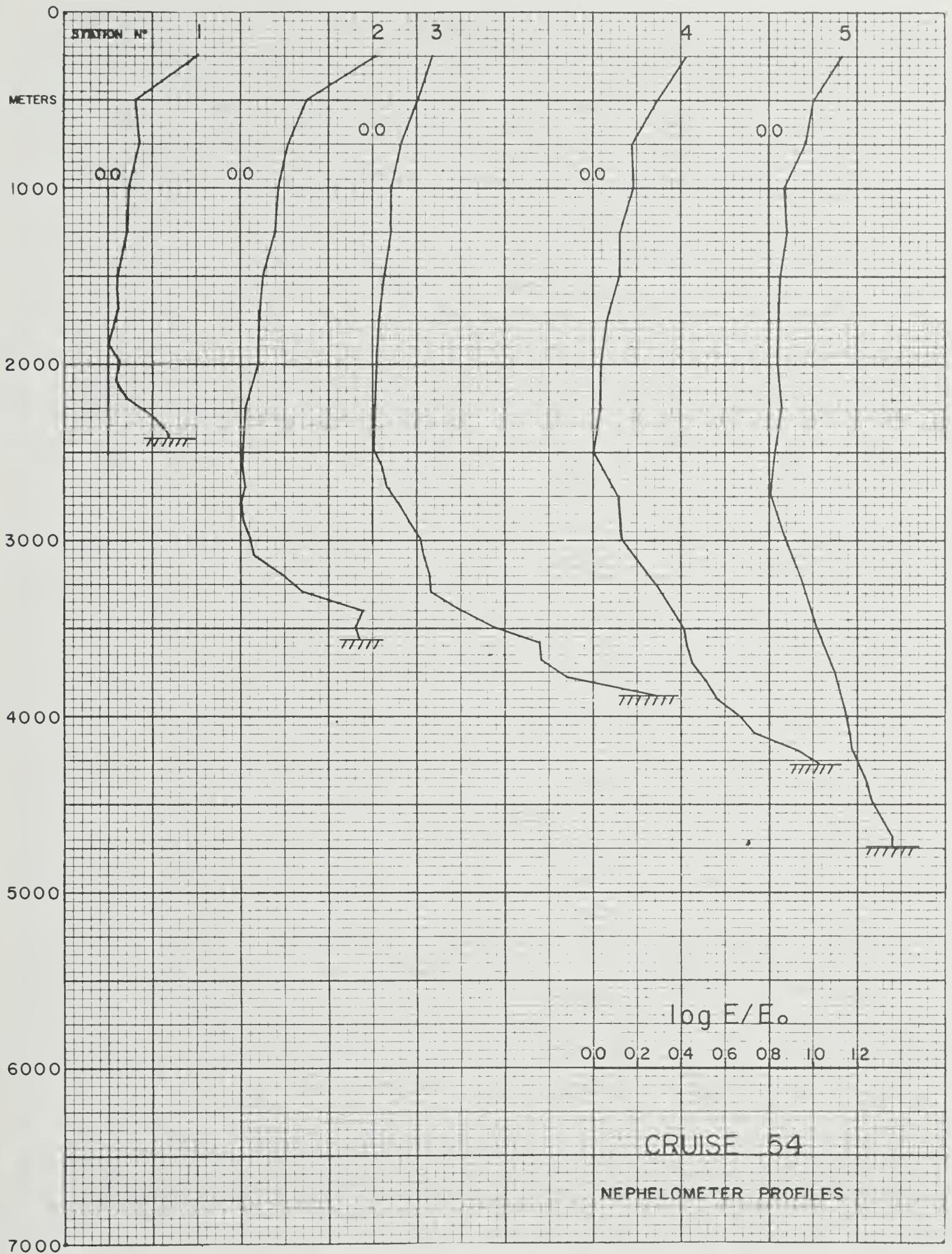


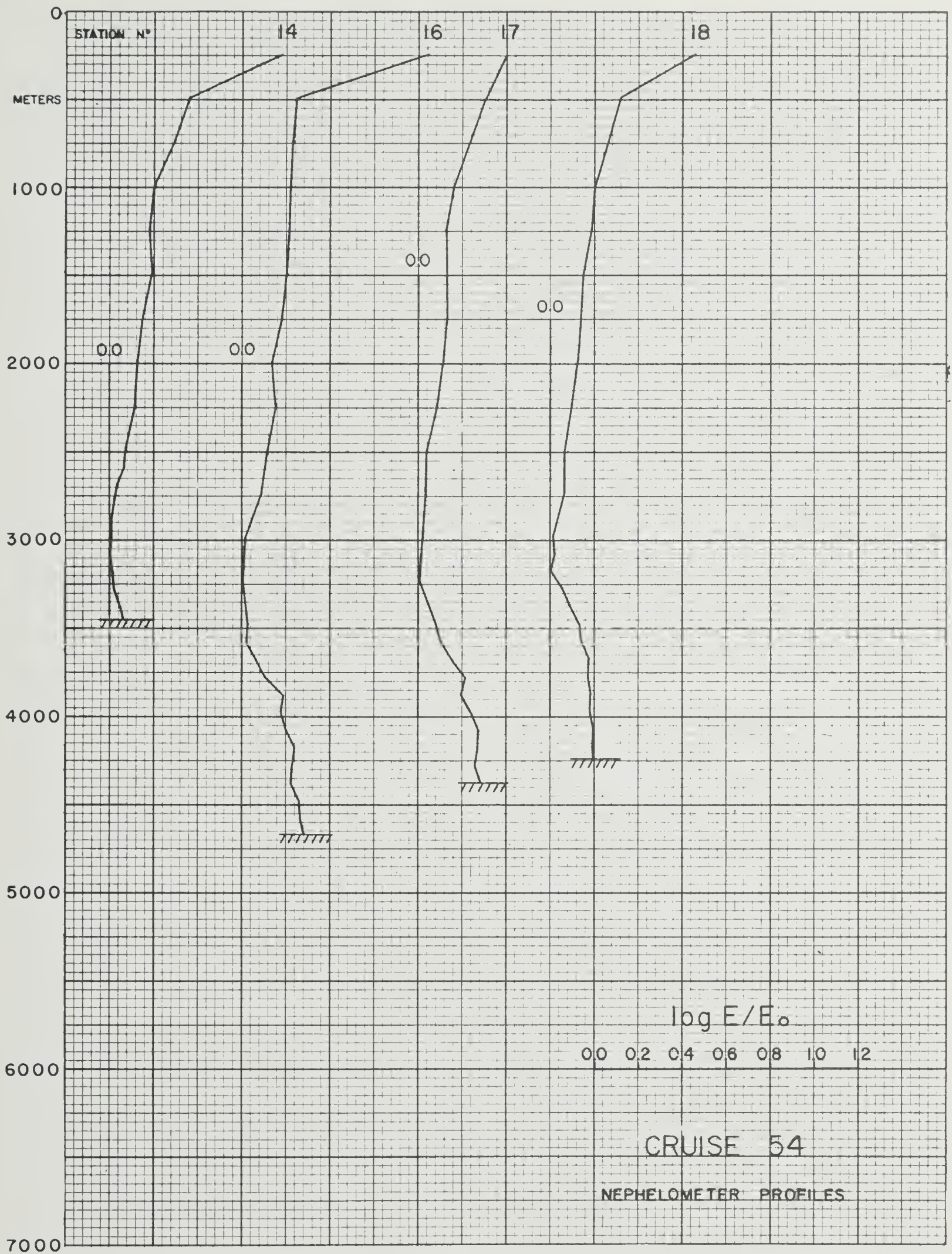


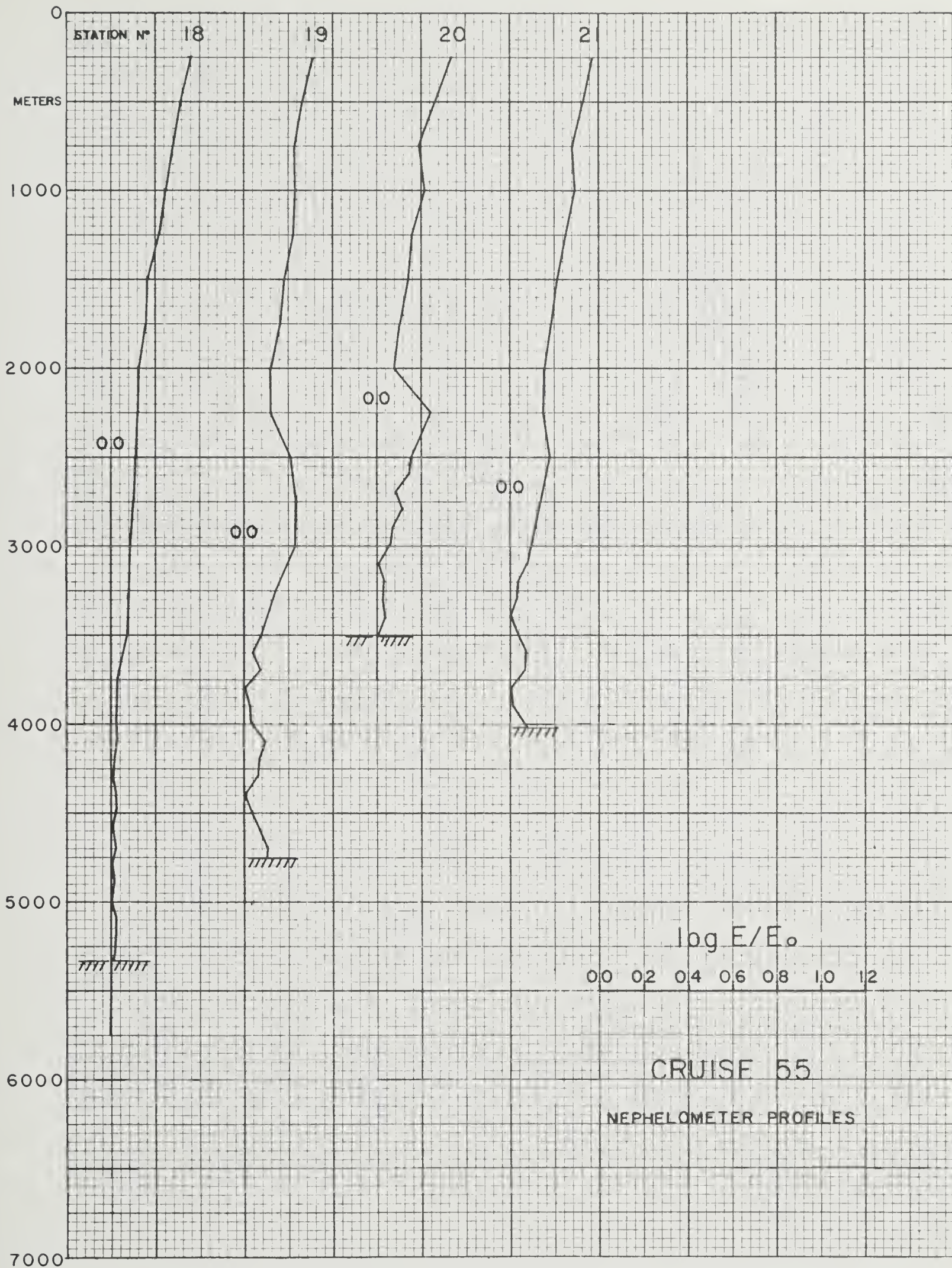












CRUISE 47
 STATION 1
 LAT. 51 33.8S
 LON. 78 55.4E

SONIC DEPTH 3635 M
 HT. ABOVE BCTTOM 3 M
 SAMPLING INTERVAL 1 MIN

START 910 19- 2-71
 STCP 1743 19- 2-71
 DURATION 8 HRS 33 MIN

***** STATISTICS *****

NC. CF DATA PCINTS= 513
 (RAW DATA UNITS - CM/SEC, DEGREES)

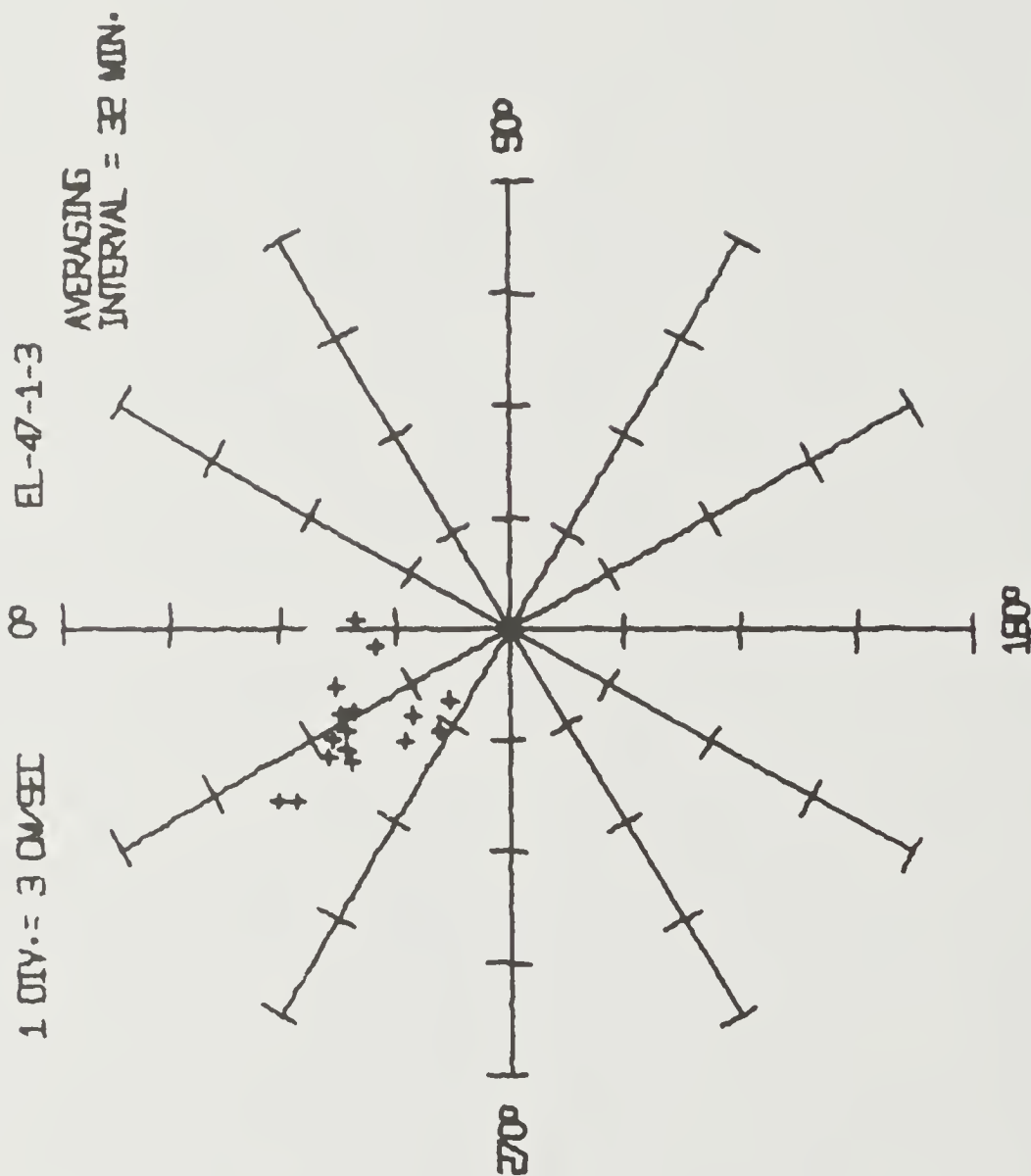
----- EAST-WEST -----
 MEAN = -2.58
 STD. ERROR = C.05
 CF MEAN = 1.78
 VARIANCE = 1.33
 STD. DEVIATION = 3.39
 KURTOSIS = C.33
 SKEWNESS =

--- NORTH-SOUTH ---
 MEAN = 3.91
 STD. ERROR = C.05
 CF MEAN = 1.54
 VARIANCE = 1.24
 STD. DEVIATION = 2.87
 KURTOSIS = -0.26
 SKEWNESS =

----- SCALAR -----
 MEAN = 4.82
 STD. ERROR = C.06
 CF MEAN = 2.04
 VARIANCE = 1.42
 STD. DEVIATION = 3.32
 KURTOSIS = C.50
 SKEWNESS =

--- CC-VARIABLE ---
 CCVARIANCE = -C.75
 STD. ERROR = C.86
 CF CCVARIANCE = C.03
 STD. DEVIATION = -0.45
 CCORRELATION CCEF. =

----- VECTOR -----
 MEAN VECTOR = 4.69
 VARIANCE = 1.66
 STD. DEVIATION = 1.28
 DIRECTION = 327
 DIRECTION DEV. = 21.97



CRUISE 47 SONIC LEPTH 3637 M START 1835 25- 2-71
 STATION 2 FT. ABOVE BCITCM 3 M STCP 1624 5- 3-71
 LAT. 64 4.5S SAMPLING INTERVAL 5 MIN DURATION 189 HRS 49 MIN
 LCN. 80 33.8E

***** STATISTICS *****

NC. CF DATA POINTS = 2279
 (RAW DATA UNITS - CM/SEC, DEGREES)

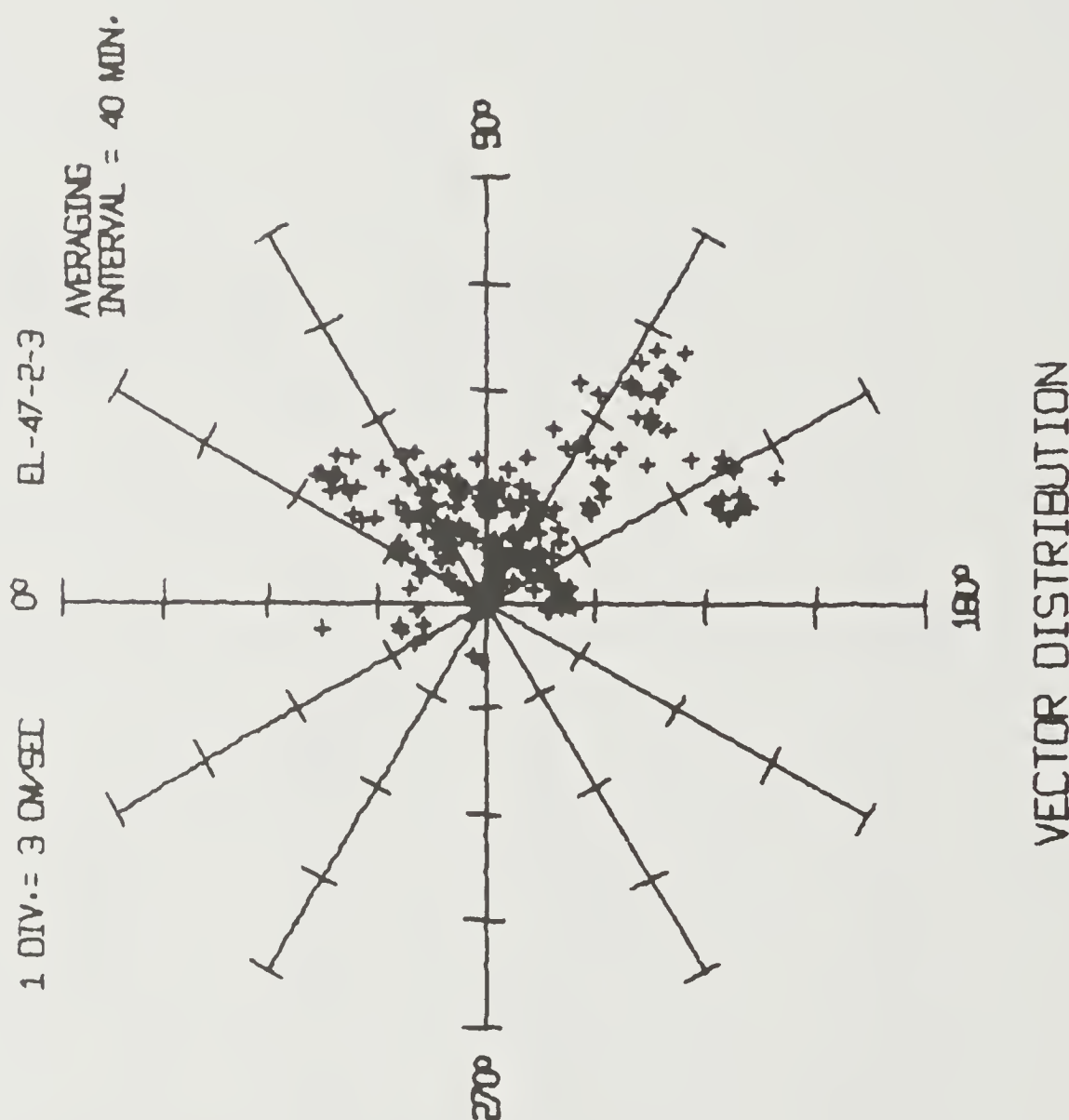
---- FAST-WEST ----
 MEAN = 1.69
 STD. ERROR = C.03
 CF MEAN = 3.37
 VARIANCE = 1.82
 STD. DEVIATION = 3.01
 KURTOSIS = 0.75
 SKEWNESS =

--- NORTH-SOUTH ---
 MEAN = -0.54
 STD. ERROR = C.04
 CF MEAN = 5.68
 VARIANCE = 2.38
 STD. DEVIATION = 4.18
 KURTOSIS = -0.82
 SKEWNESS =

----- SCALAR -----
 MEAN = 2.51
 STD. ERROR = C.05
 CF MEAN = 5.90
 VARIANCE = 2.43
 STD. DEVIATION = 2.83
 KURTOSIS = C.83
 SKEWNESS =

--- CO-VARIABLE ---
 COVARIANCE = -1.53
 STD. ERROR = 1.23
 CF COVARIANCE = C.02
 STD. DEVIATION = -0.35
 COVARIANCE COEFF. =

----- VECTOR -----
 MEAN VECTOR = 1.78
 VARIANCE = 4.53
 STD. DEVIATION = 2.12
 DIRECTION = 108
 DIRECTION DEV. = 90.92

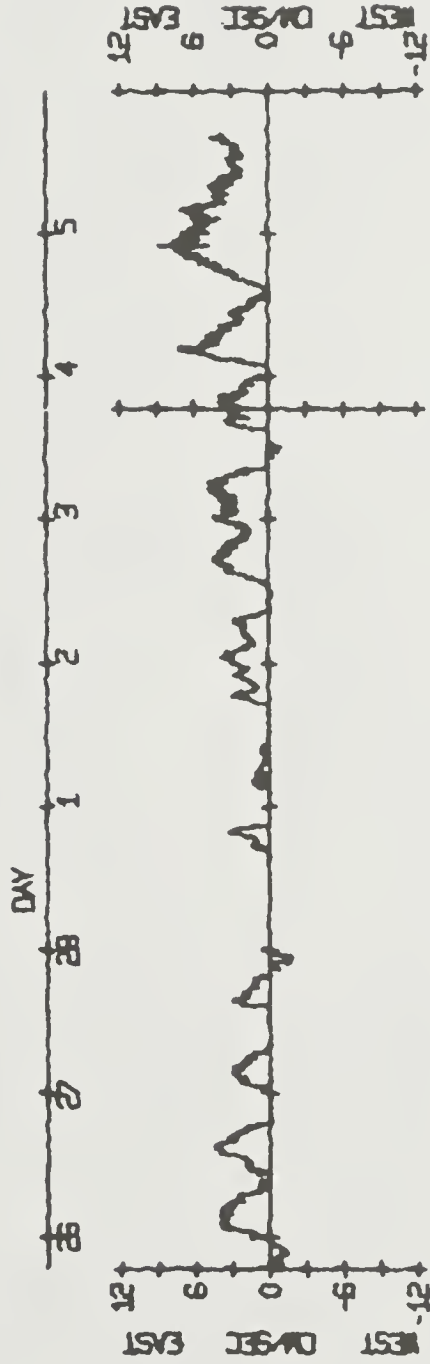


EL-47- 2- 3

```

CM/SEC  FREQ.
0.5      713 *****
1.5      388 *****
2.5      402 *****
3.5      236 *****
4.5      147 *****
5.5      121 *****
6.5      95  *****
7.5      113 *****
8.5      53  *****
9.5      10  *
10.5     1

```



EL-47- 2- 3

START 1020 10- 3-71
 STOP 1841 10- 3-71
 DURATION 8 HRS 21 MIN

SONIC DEPTH 3129 M
 FT. ABOVE BOTTOM 100 M
 SAMPLING INTERVAL 1 MIN

CRUISE 47
 STATION 3
 LAT. 58 47.0S
 LON. 84 14.9E

***** STATISTICS *****

NC. CF DATA POINTS= 501
 (RAW DATA UNITS - CM/SEC, DEGREES)

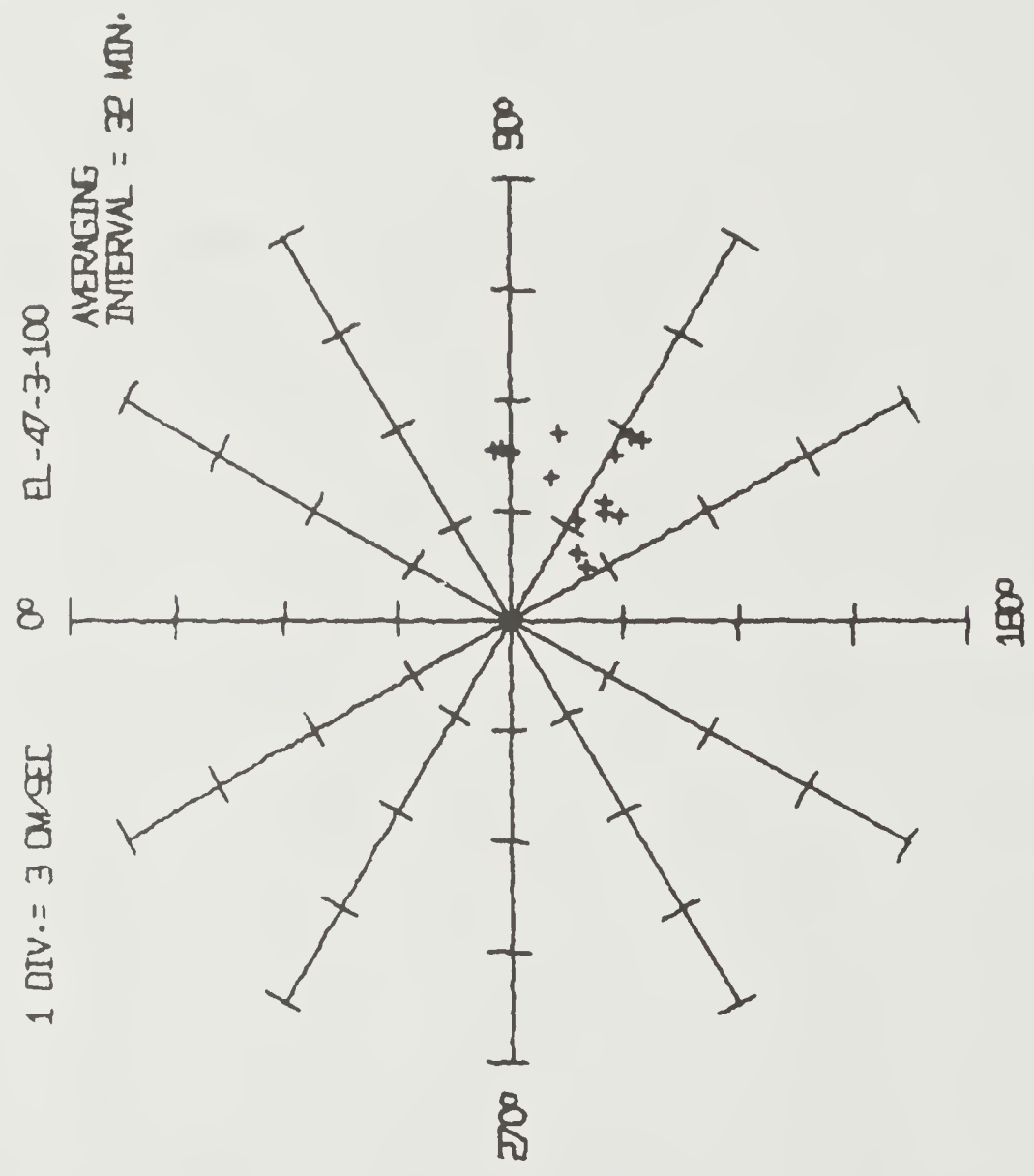
----- EAST-WEST -----
 MEAN = 3.66
 STC. ERROR = 0.05
 CF MEAN = 1.63
 VARIANCE = 1.28
 STC. DEVIATION = 2.20
 KLRTCSIS = -0.62
 SKEWNESS =

--- NORTH-SOUTH ---
 MEAN = -1.66
 STC. ERROR = 0.05
 CF MEAN = 1.62
 VARIANCE = 1.27
 STC. DEVIATION = 1.89
 KLRTCSIS = 0.32
 SKEWNESS =

----- SCALAR -----
 MEAN = 4.27
 STC. ERROR = 0.04
 CF MEAN = 1.17
 VARIANCE = 1.08
 STC. DEVIATION = 2.34
 KLRTCSIS = -0.11
 SKEWNESS =

--- CO-VARIABLE ---
 CCVARIANCE = 0.44
 STC. ERROR = 0.66
 CF CCVARIANCE = 0.02
 STC. DEVIATION = 0.27
 CCORRELATION CCEF. =

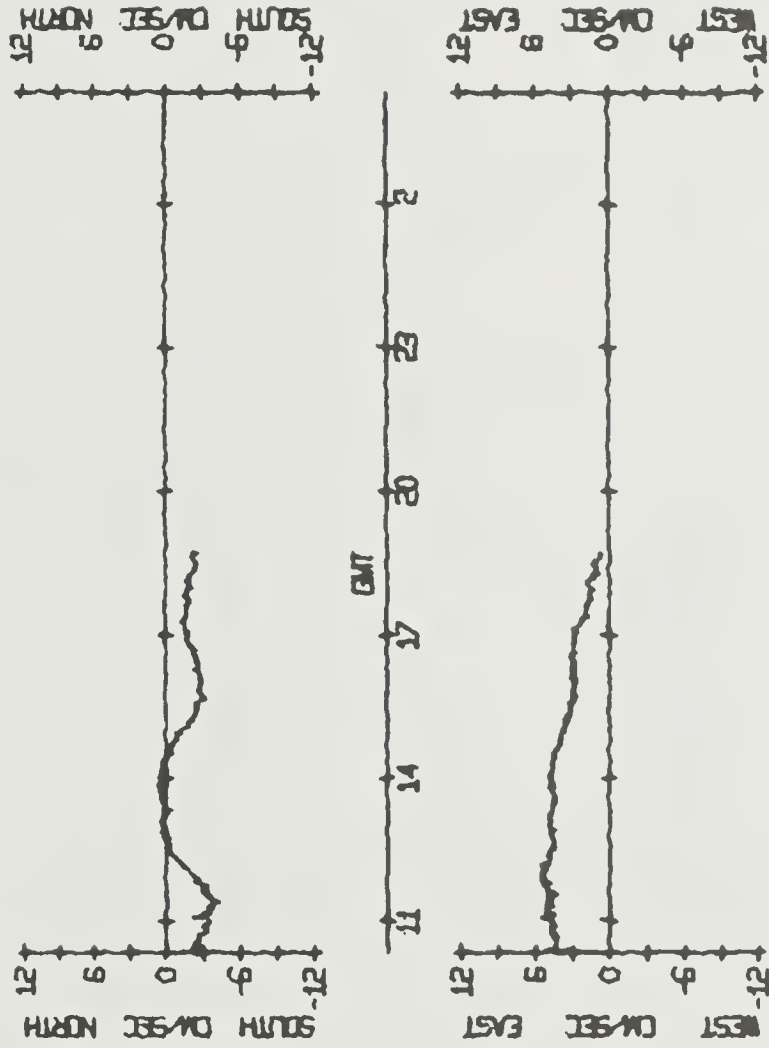
----- VECTOR -----
 MEAN VECTOR = 4.02
 VARIANCE = 1.63
 STC. DEVIATION = 1.27
 DIRECTION = 115
 DIRECTION DEV. = 24.05



VECTOR DISTRIBUTION

EL-47- 3- 100

```
CM/SEC  FREQ.  *****  
2.5     90     *****  
3.5     88     *****  
4.5     217    *****  
5.5     77     *****  
6.5     29     *****
```



EL-47- 3- 100

CRUISE 47
 STATION 4
 LAT. 61 11.4S
 LCN. 71 1.4E

SONIC DEPTH 431C M
 FT. ABOVE BCITCM 3 M
 SAMPLING INTERVAL 1 MIN

START 858 13- 3-71
 STCP 1611 13- 3-71
 DURATICN 7 HRS 14 MIN

***** STATISTICS *****

NG. CF DATA PCINTS= 434
 (RAW DATA UNITS - CM/SEC, DEGREES)

----- EAST-WEST -----
 MEAN = -3.42
 STD. ERROR

CF MEAN = 0.05
 VARIANCE = 1.20
 STD. DEVIATION = 1.09
 KURTOSIS = 2.84
 SKEWNESS = -0.50

---- NORTH-SOUTH ----
 MEAN = -2.60
 STD. ERROR

CF MEAN = 0.05
 VARIANCE = 1.24
 STD. DEVIATION = 1.11
 KURTOSIS = 3.16
 SKEWNESS = -0.22

----- SCALAR -----
 MEAN = 4.35
 STD. ERROR

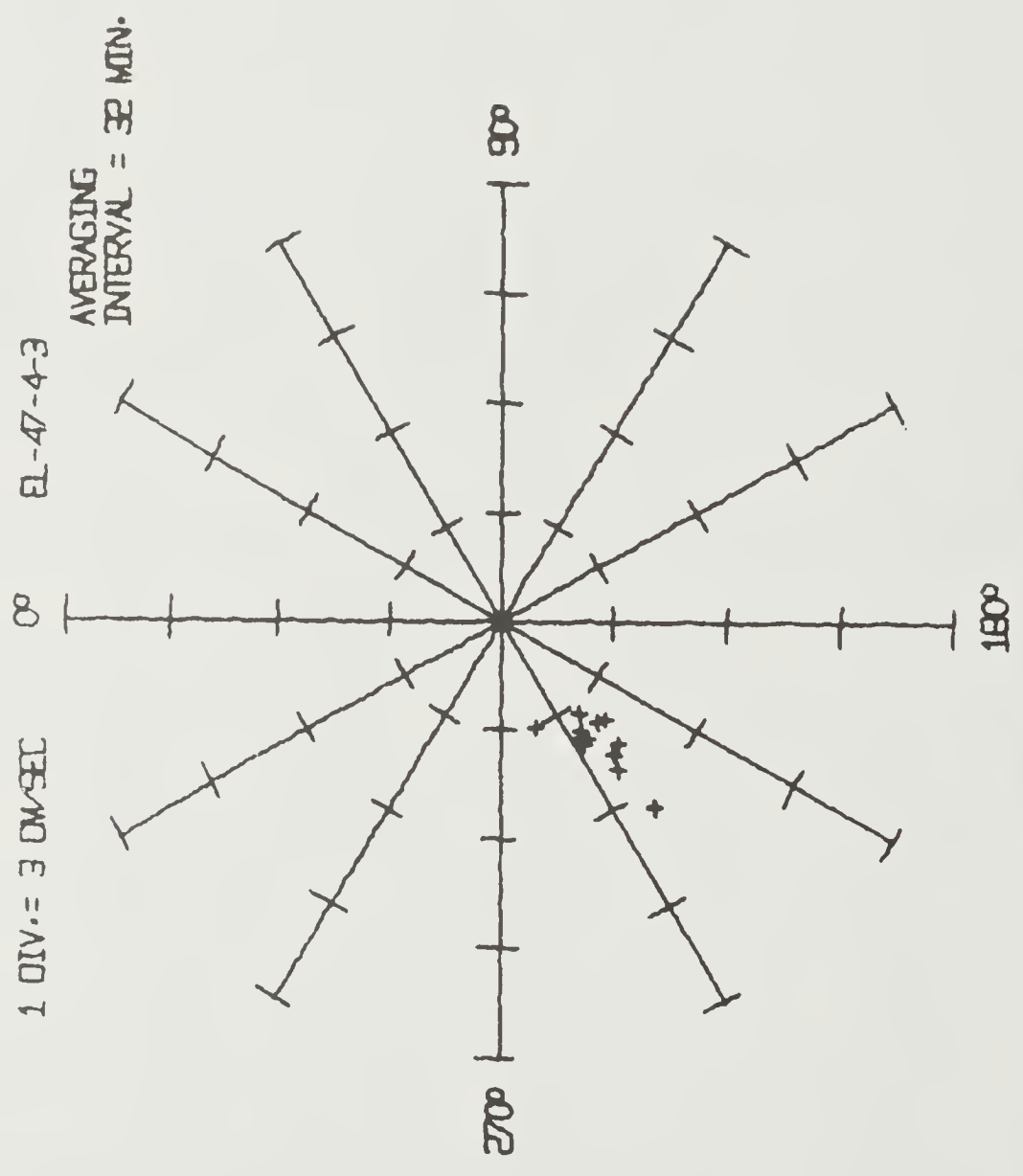
CF MEAN = 0.06
 VARIANCE = 2.02
 STD. DEVIATION = 1.42
 KURTOSIS = 3.15
 SKEWNESS = 0.53

---- CC-VARIABLE ----
 CCVARIANCE = 0.87
 STD. ERROR

CF CCVARIANCE = 0.93
 STD. DEVIATION = 0.96
 CF CCVARIANCE = 0.96
 CORRELATION CCEF. = 0.71

----- VECTOR -----
 MEAN VECTOR = 4.30
 VARIANCE = 1.22

STD. DEVIATION = 1.10
 DIRECTION = 232
 DIRECTION DEV. = 2.97



VECTOR DISTRIBUTION

EL-47- 4- 3

| CM/SEC | FREQ. |
|--------|-------|
| 0.5 | 1 |
| 1.5 | 7 |
| 2.5 | 66 |
| 3.5 | 115 |
| 4.5 | 132 |
| 5.5 | 54 |
| 6.5 | 31 |
| 7.5 | 25 |
| 8.5 | 2 |
| 9.5 | 1 |



EL-47- 4- 3

STATION 47 SCNIC DEPTH 4310 M START 9C0 13- 3-71
 HT. ABOVE BCTTCM 1C0 M STCP 1613 13- 3-71
 LAT. 61 11.4S SAMPLING INTERVAL 1 MIN DURATION 7 HRS 14 MIN
 LON. 71 1.4E

***** STATISTICS *****

NC. CF DATA PCINTS= 434
 (RAW DATA UNITS - CM/SEC, DEGREES)

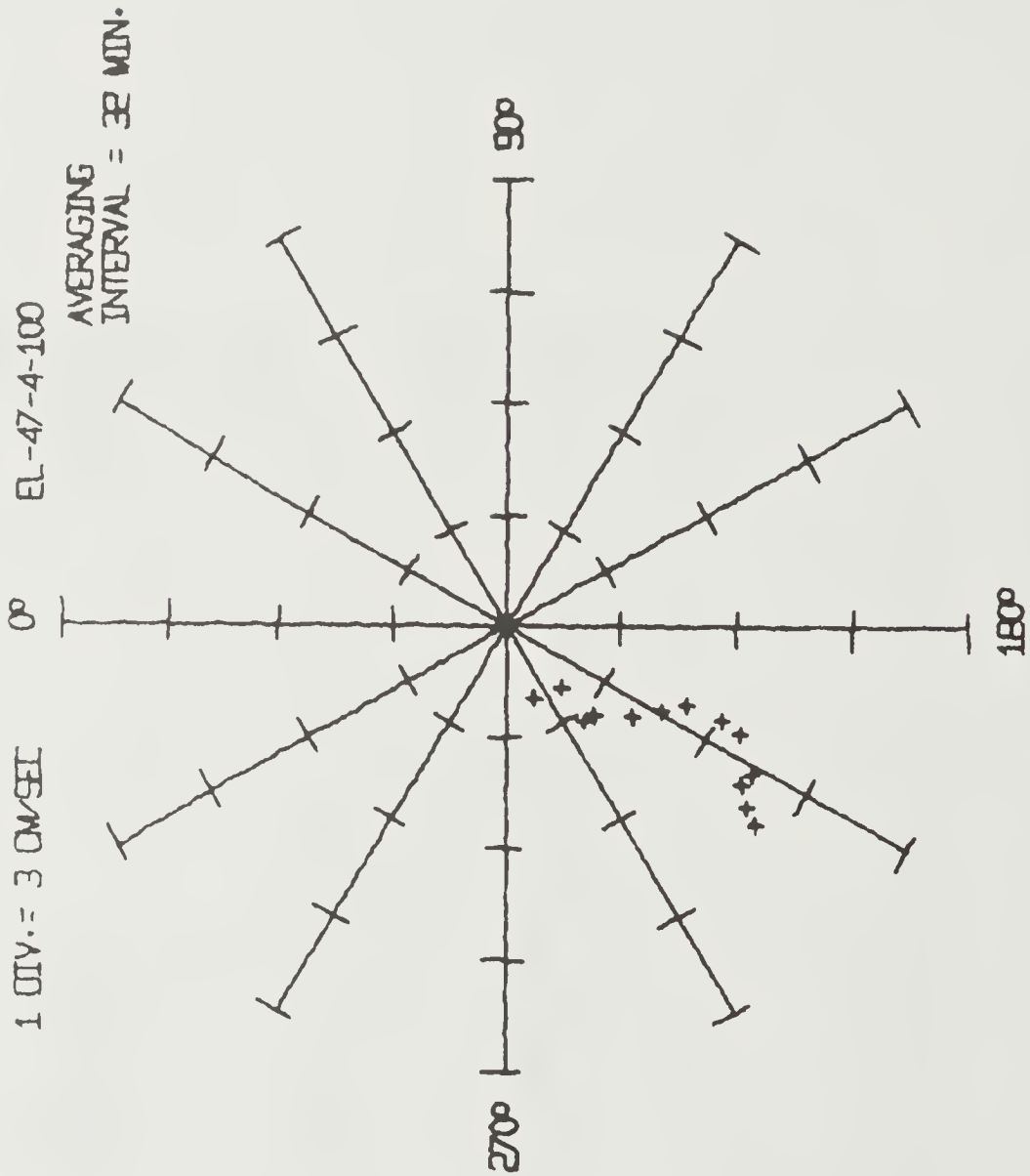
----- EAST-WEST -----
 MEAN = -2.94
 STD. ERROR = 0.05
 CF MEAN = 1.44
 VARIANCE = 1.20
 STD. DEVIATION = 2.64
 KURTOSIS = -0.96
 SKEWNESS =

--- NCRTF-SCUTH ---
 MEAN = -4.10
 STD. ERROR = 0.10
 CF MEAN = 4.61
 VARIANCE = 2.14
 STD. DEVIATION = 1.66
 KURTOSIS = 0.29
 SKEWNESS =

----- SCALAR -----
 MEAN = 5.15
 STD. ERROR = 0.10
 CF MEAN = 4.99
 VARIANCE = 2.23
 STD. DEVIATION = 1.64
 KURTOSIS = 0.04
 SKEWNESS =

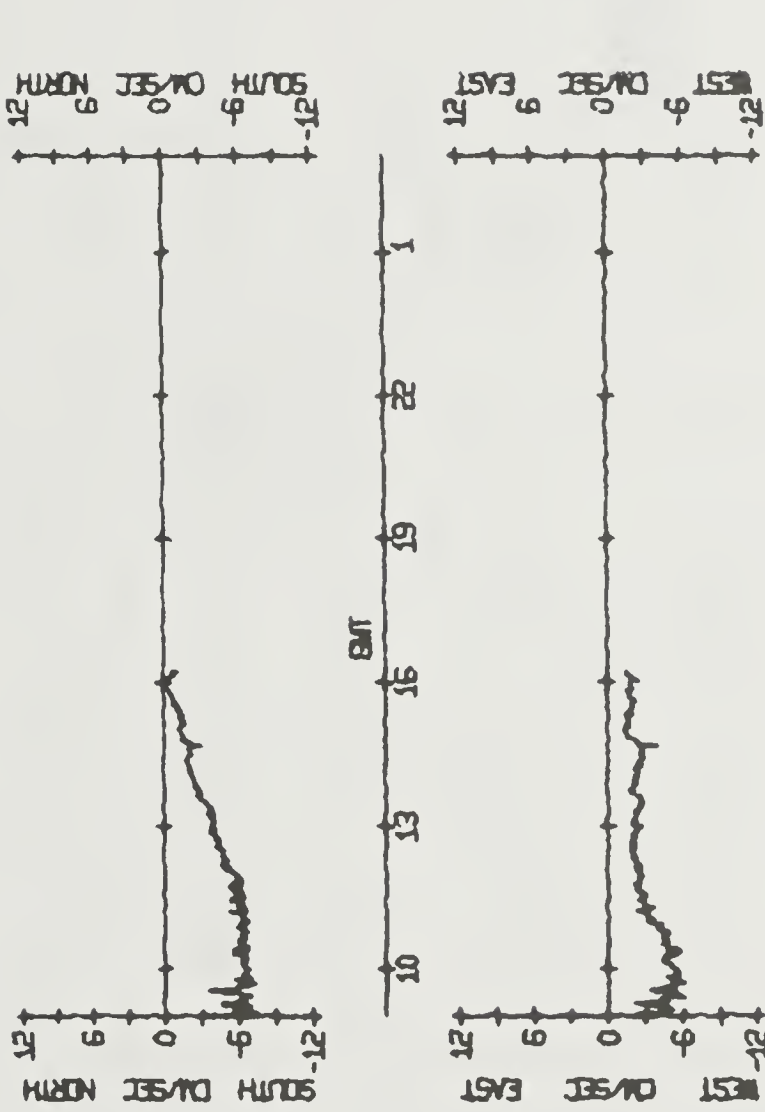
--- CC-VARIABLE ---
 CCVARIANCE = 1.87
 STD. ERROR = 1.36
 CF CCVARIANCE = 1.36
 STD. DEVIATION = 0.66
 CF CCVARIANCE = 0.72
 CORRELATION COEFF. =

----- VECTOR -----
 MEAN VECTOR = 5.05
 VARIANCE = 3.03
 STD. DEVIATION = 1.74
 DIRECTION = 215
 DIRECTION DEV. = 3.08



EL-47- 4- 100

```
CM/SEC  FREQ.
1.5      33 *****
2.5      56 *****
3.5      69 *****
4.5      63 *****
5.5      39 *****
6.5      49 *****
7.5      70 *****
8.5      51 *****
9.5      4  *****
```



EL-47- 4- 100

CRUISE 47
 STATION 5
 LAT. 54 51.8S
 LCN. 82 40.3E

SCNIC DEPTH 4571 M
 HT. ABOVE BCITCM 3 M
 SAMPLING INTERVAL 1 MIN

START 449 17- 3-71
 STCP 1819 17- 3-71
 DURATION 13 HRS 31 MIN

***** STATISTICS *****

NC. OF DATA POINTS= 811
 (RAW DATA UNITS - CM/SEC, DEGREES)

----- EAST-WEST -----
 MEAN = 4.16

STC. ERRCR
 CF MEAN = 0.04
 VARIANCE = 1.47
 STC. DEVIATION = 1.21
 KURTOSIS = 2.41
 SKEWNESS = -0.57

----- NORTH-SOUTH -----
 MEAN = 6.72

STC. ERRCR
 CF MEAN = 0.04
 VARIANCE = 1.87
 STC. DEVIATION = 1.36
 KURTOSIS = 1.90
 SKEWNESS = -0.01

----- SCALAR -----
 MEAN = 8.01

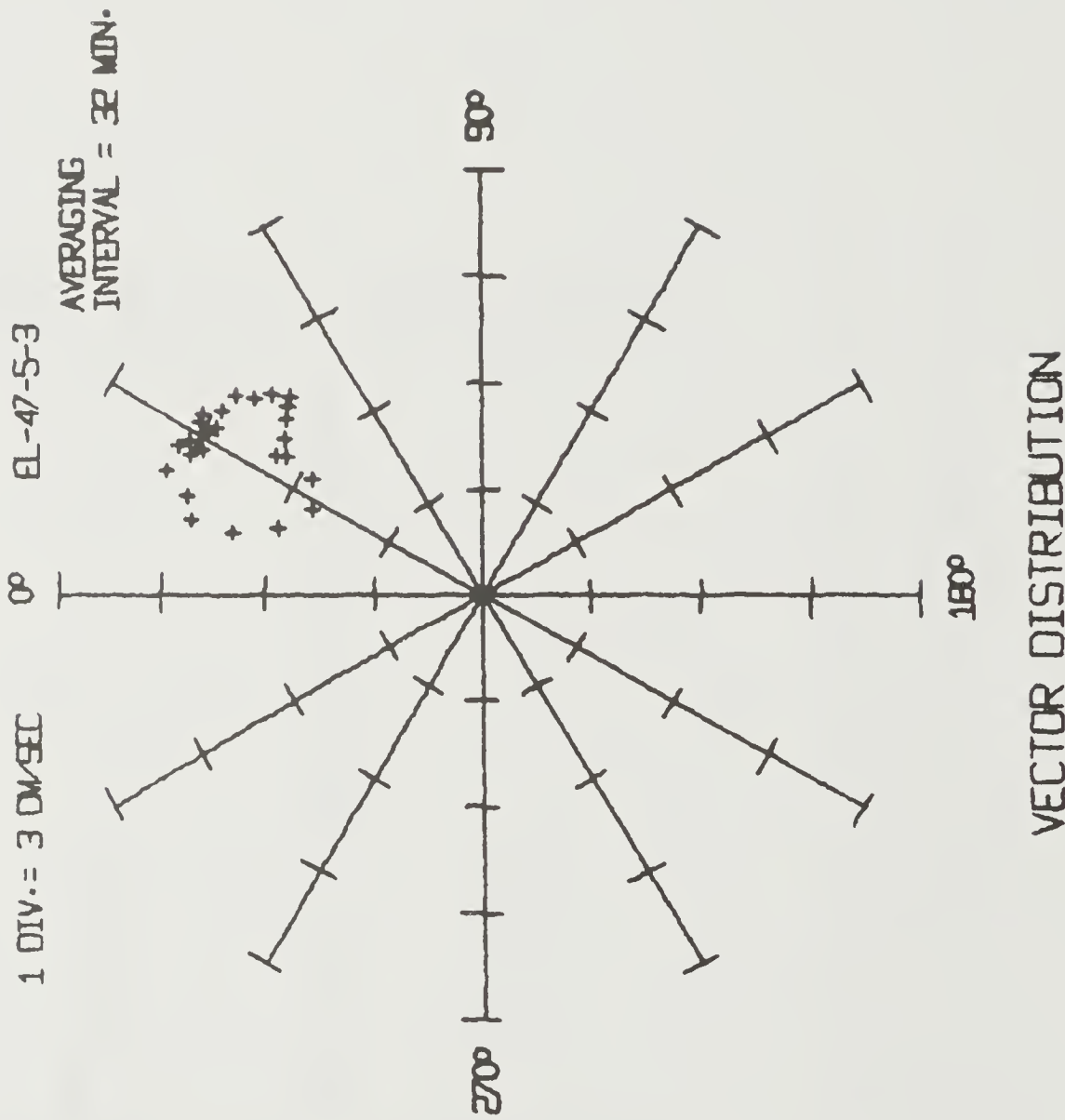
STC. ERRCR
 CF MEAN = 0.04
 VARIANCE = 1.73
 STC. DEVIATION = 1.31
 KURTOSIS = 2.70
 SKEWNESS = -0.58

----- CC-VARIABLE -----
 CCVARIANCE = -0.00

STC. ERRCR
 CF CCVARIANCE = 0.04
 STC. DEVIATION = 0.00
 CF CCVARIANCE = 0.00
 CORRELATION COEFF. = -0.00

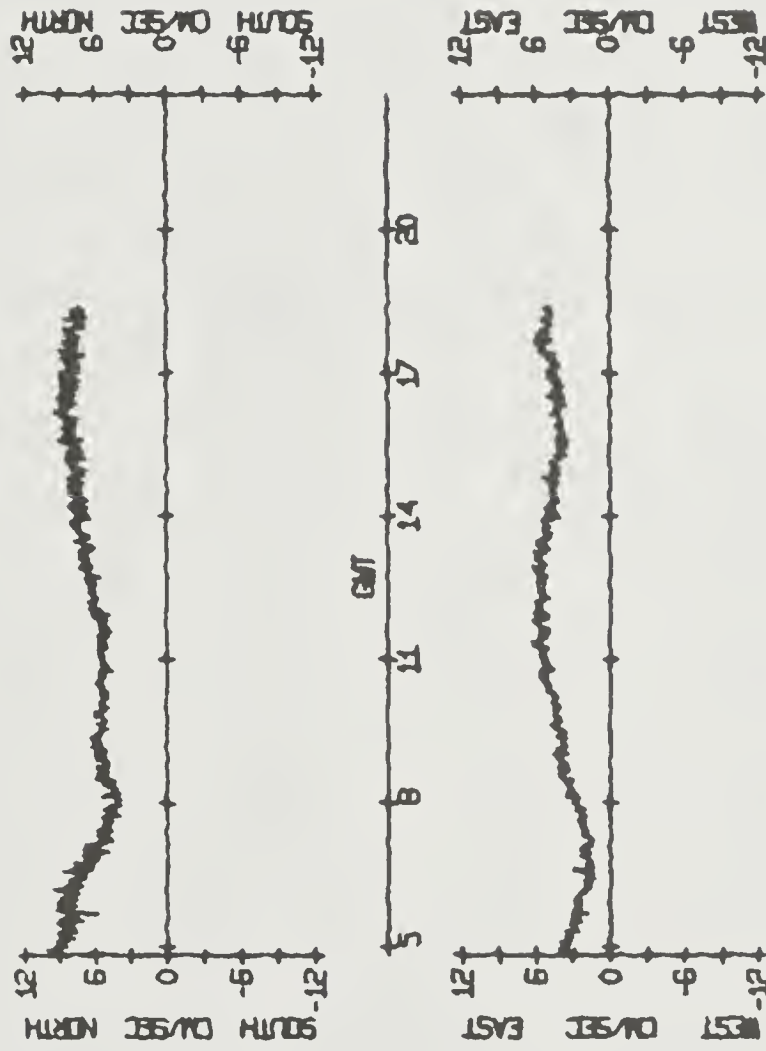
----- VECTOR -----
 MEAN VECTOR = 7.90

VARIANCE = 1.67
 STC. DEVIATION = 1.29
 DIRECTION = 31
 DIRECTION DEV. = 2.27



EL-47- 5- 3

```
CM/SEC  FREQ.  *****  
4.5     18     *****  
5.5     55     *****  
6.5     110    *****  
7.5     165    *****  
8.5     265    *****  
9.5     173    *****  
10.5    25     *****
```



EL-47- 5- 3

CRUISE 47
 STATION 5
 LAT. 54 51.8S
 LCN. 82 40.3E

SONIC DEPTH 4571 M
 FT. ABOVE BOTTOM 100 M
 SAMPLING INTERVAL 1 MIN

START 450 17- 3-71
 STOP 1820 17- 3-71
 DURATION 13 HRS 30 MIN

***** STATISTICS *****

NC. CF DATA POINTS= 810
 (RAW DATA UNITS - CM/SEC, DEGREES)

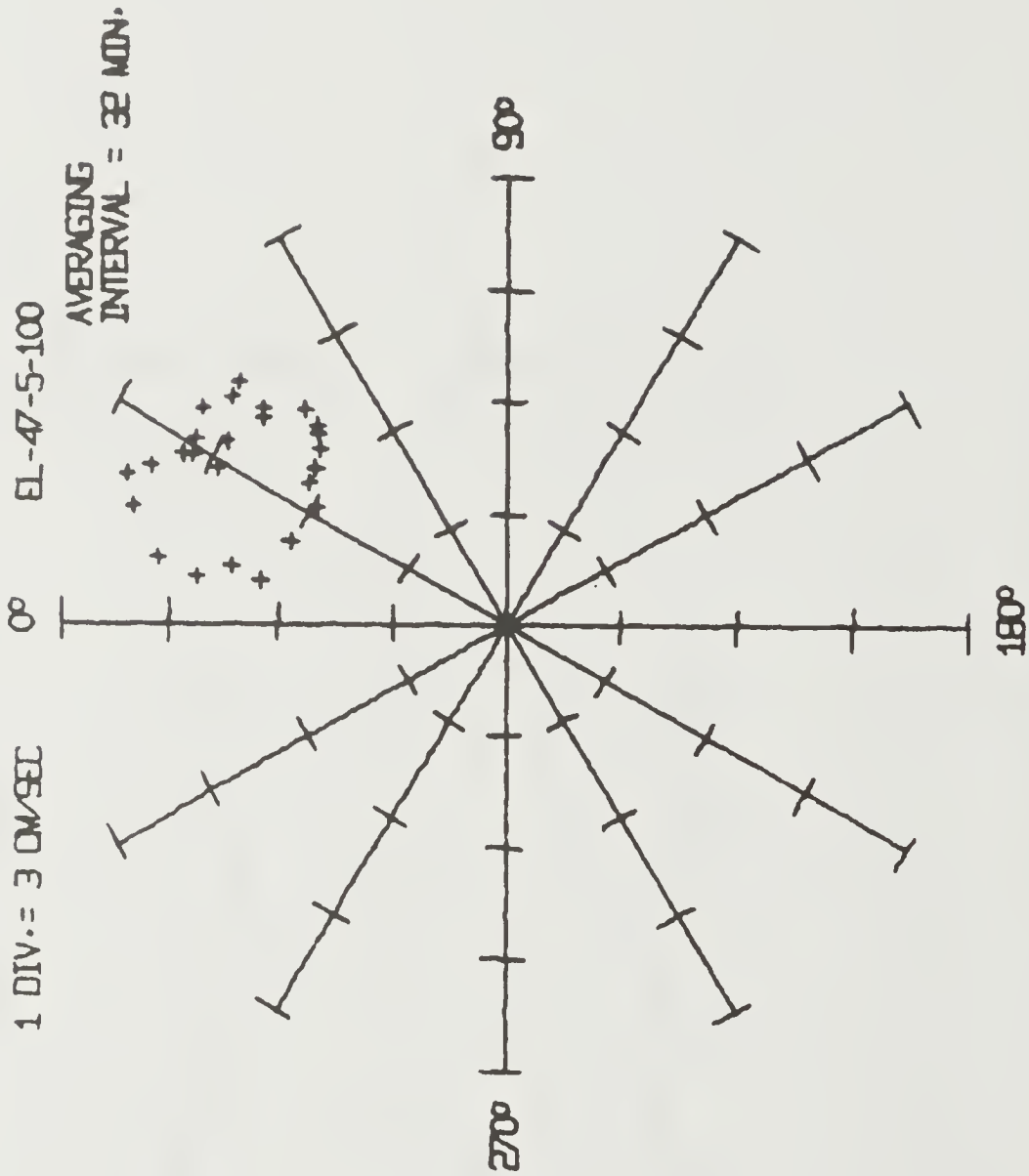
----- EAST-WEST -----
 MEAN = 4.15
 STC. ERROR = 0.05
 CF MEAN = 2.46
 VARIANCE = 1.57
 STC. DEVIATION = 2.54
 KURTOSIS = -0.67
 SKEWNESS =

----- NORTH-SOUTH -----
 MEAN = 7.07
 STC. ERROR = 0.05
 CF MEAN = 2.87
 VARIANCE = 1.69
 STC. DEVIATION = 1.97
 KURTOSIS = 0.19
 SKEWNESS =

----- SCALAR -----
 MEAN = 8.41
 STC. ERROR = 0.05
 CF MEAN = 2.27
 VARIANCE = 1.50
 STC. DEVIATION = 1.92
 KURTOSIS = -0.10
 SKEWNESS =

----- CC-VARIABLE -----
 COVARIANCE = -0.44
 STC. ERROR = 0.66
 CF COVARIANCE = 0.02
 STC. DEVIATION = -0.16
 COVARIANCE CCEF. =

----- VECTOR -----
 MEAN VECTOR = 8.22
 VARIANCE = 2.67
 STC. DEVIATION = 1.63
 DIRECTION = 30
 DIRECTION DEV. = 3.38



CRUISE 47
 STATION 6
 LAT. 42 58.0S
 LON. 137 33.3E

SONIC DEPTH 4574 M
 HT. ABOVE BOTTOM 3 M
 SAMPLING INTERVAL 1 MIN

START 2339 9- 4-71
 STCP 1225 10- 4-71
 DURATION 12 HRS 47 MIN

***** STATISTICS *****

NO. CF DATA POINTS= 767
 (RAW DATA UNITS - CM/SEC, DEGREES)

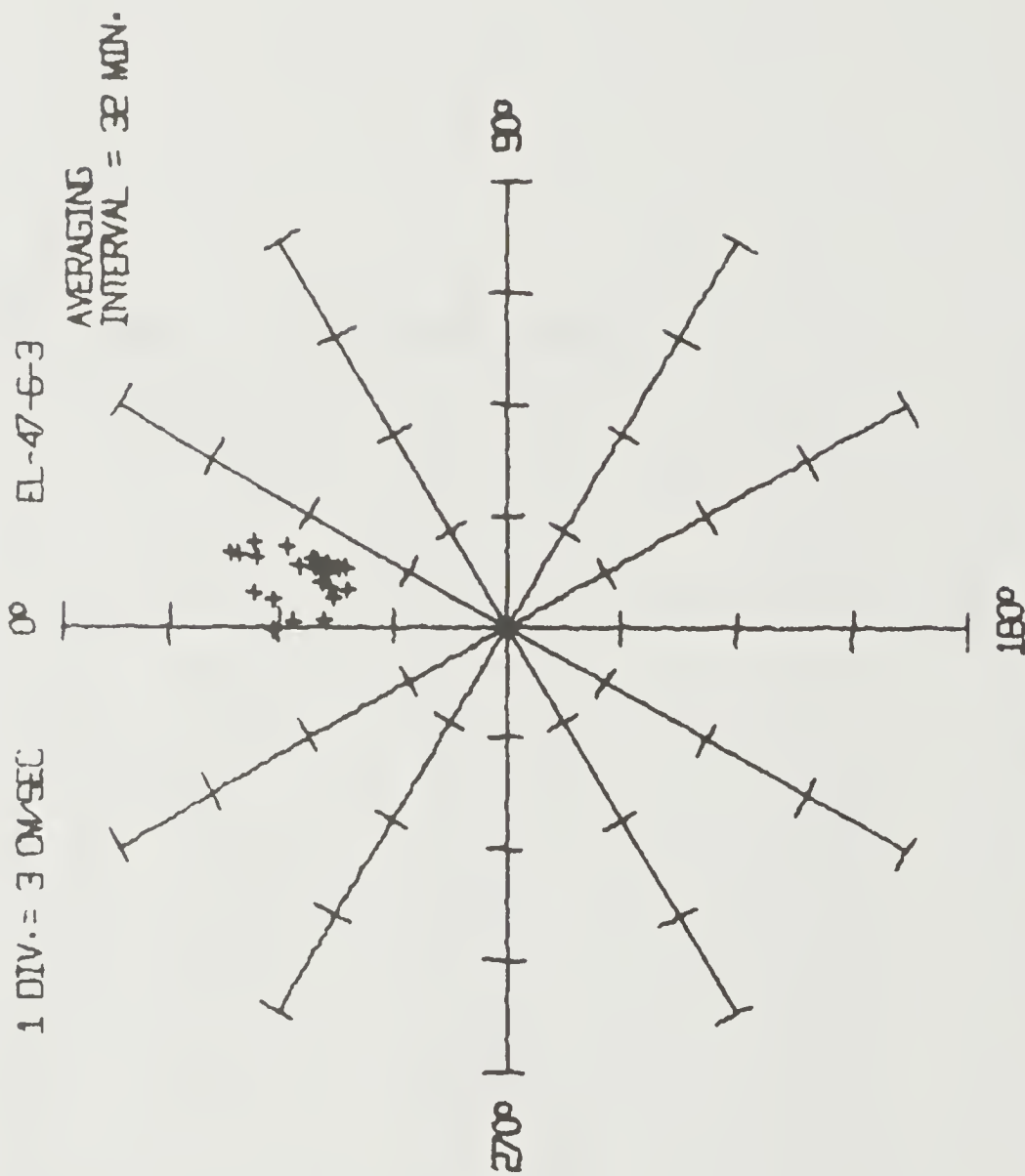
----- EAST-WEST -----
 MEAN = 1.32
 STD. ERRCR
 CF MEAN = 0.02
 VARIANCE = 0.57
 STD. DEVIATION = 0.76
 KURTOSIS = 3.10
 SKEWNESS = -0.64

--- NORTH-SOUTH ---
 MEAN = 5.36
 STD. ERRCR
 CF MEAN = 0.04
 VARIANCE = 1.29
 STD. DEVIATION = 1.13
 KURTOSIS = 3.21
 SKEWNESS = 0.54

----- SCALAR -----
 MEAN = 5.57
 STD. ERRCR
 CF MEAN = 0.04
 VARIANCE = 1.37
 STD. DEVIATION = 1.17
 KURTOSIS = 3.30
 SKEWNESS = 0.54

--- CC-VARIABLE ---
 CCVARIANCE = 0.22
 STD. ERRCR
 CF CCVARIANCE = 0.47
 STD. DEVIATION
 CF CCVARIANCE = 0.01
 CCRRELATION CCEF. = 0.26

----- VECTOR -----
 MEAN VECTOR = 5.52
 VARIANCE = 0.93
 STD. DEVIATION = 0.96
 DIRECTION = 13
 DIRECTION DEV. = 4.81



CRUISE 48
 STATION 2
 LAT. 31 19.0S
 LON. 93 34.1E

SONIC DEPTH 4555 M
 HT. ABOVE BCITCM 100 M
 SAMPLING INTERVAL 5 MIN

START 535 22- 7-71
 STCP 1036 9- 8-71
 DURATION 437 HRS 2 MIN

***** STATISTICS *****

NC. CF DATA PCINTS= 5246
 (RAW DATA UNITS - CM/SEC, DEGREES)

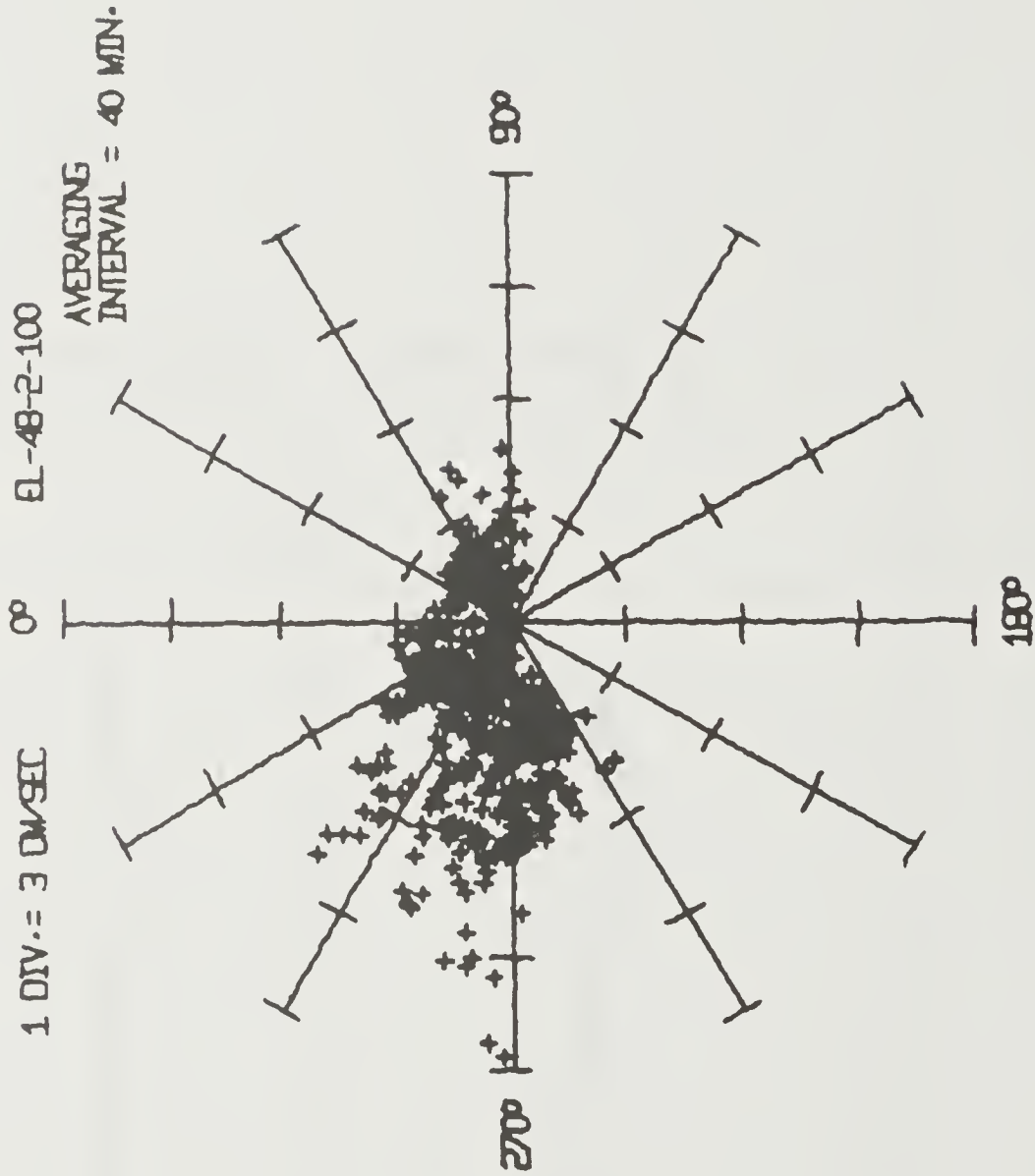
----- EAST-WEST -----
 MEAN = -1.70
 STD. ERROR
 CF MEAN = 0.03
 VARIANCE = 5.71
 DEVIATION = 2.39
 KURTOSIS = 3.75
 SKEWNESS = -0.63

--- NORTH-SOUTH ---
 MEAN = 0.55
 STD. ERROR
 CF MEAN = 0.01
 VARIANCE = 1.25
 DEVIATION = 1.11
 KURTOSIS = 3.99
 SKEWNESS = 0.70

----- SCALAR -----
 MEAN = 2.41
 STD. ERROR
 CF MEAN = 0.02
 VARIANCE = 4.33
 DEVIATION = 2.08
 KURTOSIS = 4.11
 SKEWNESS = 0.90

--- CC-VARIABLE ---
 COVARIANCE = -0.17
 STD. ERROR
 OF COVARIANCE = 0.41
 STD. DEVIATION
 OF COVARIANCE = 0.00
 CORRELATION COEFF. = -0.06

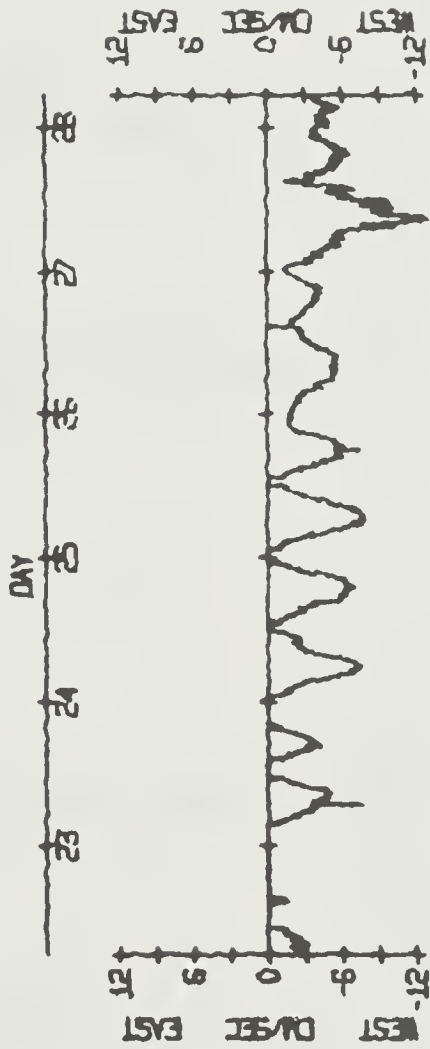
----- VECTOR -----
 MEAN VECTOR = 1.79
 VARIANCE = 3.48
 STD. DEVIATION = 1.86
 DIRECTION = 288
 DIRECTION DEV. = 57.52



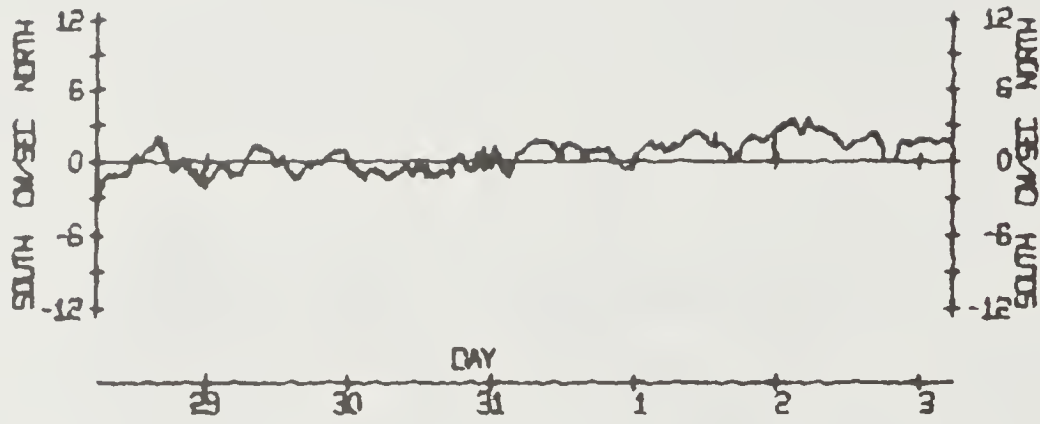
VECTOR DISTRIBUTION

EL-48- 2- 100

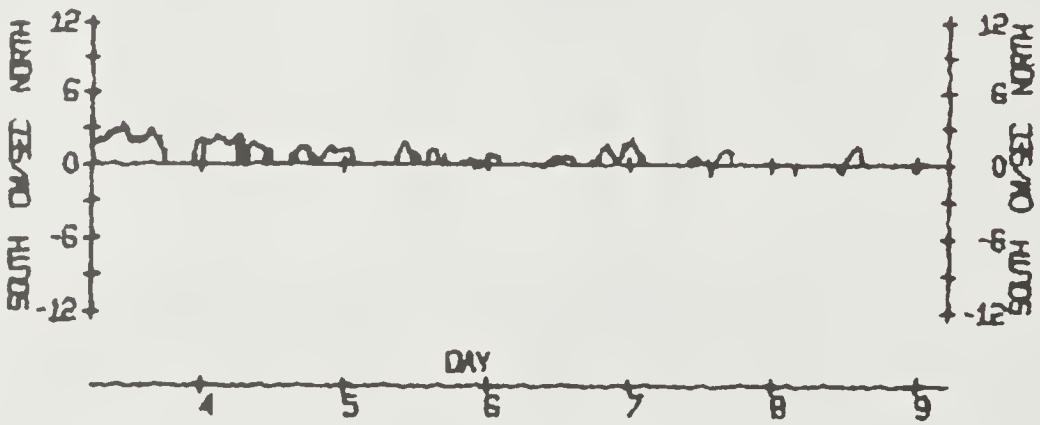
| CM/SEC | FREQ. |
|--------|-------|
| 0.5 | 1387 |
| 1.5 | 919 |
| 2.5 | 1226 |
| 3.5 | 692 |
| 4.5 | 369 |
| 5.5 | 354 |
| 6.5 | 153 |
| 7.5 | 71 |
| 8.5 | 32 |
| 9.5 | 22 |
| 10.5 | 8 |
| 11.5 | 9 |
| 12.5 | 3 |
| 13.5 | 1 |



EL-48- 2- 100



EL-48-2-100



EL-48-2-100

CRUISE 48 SONIC DEPTH 3650 M START 802 3- 8-71
 STATION 3 HT. ABOVE SCITOM 100 M STOP 1554 3- 8-71
 LAT. 34 54.2S SAMPLING INTERVAL 1 MIN CURATICN 7 HRS 53 MIN
 LCN. 84 4.5E

***** STATISTICS *****

NC. CF DATA POINTS = 473
 (RAW DATA UNITS - CM/SEC, DEGREES)

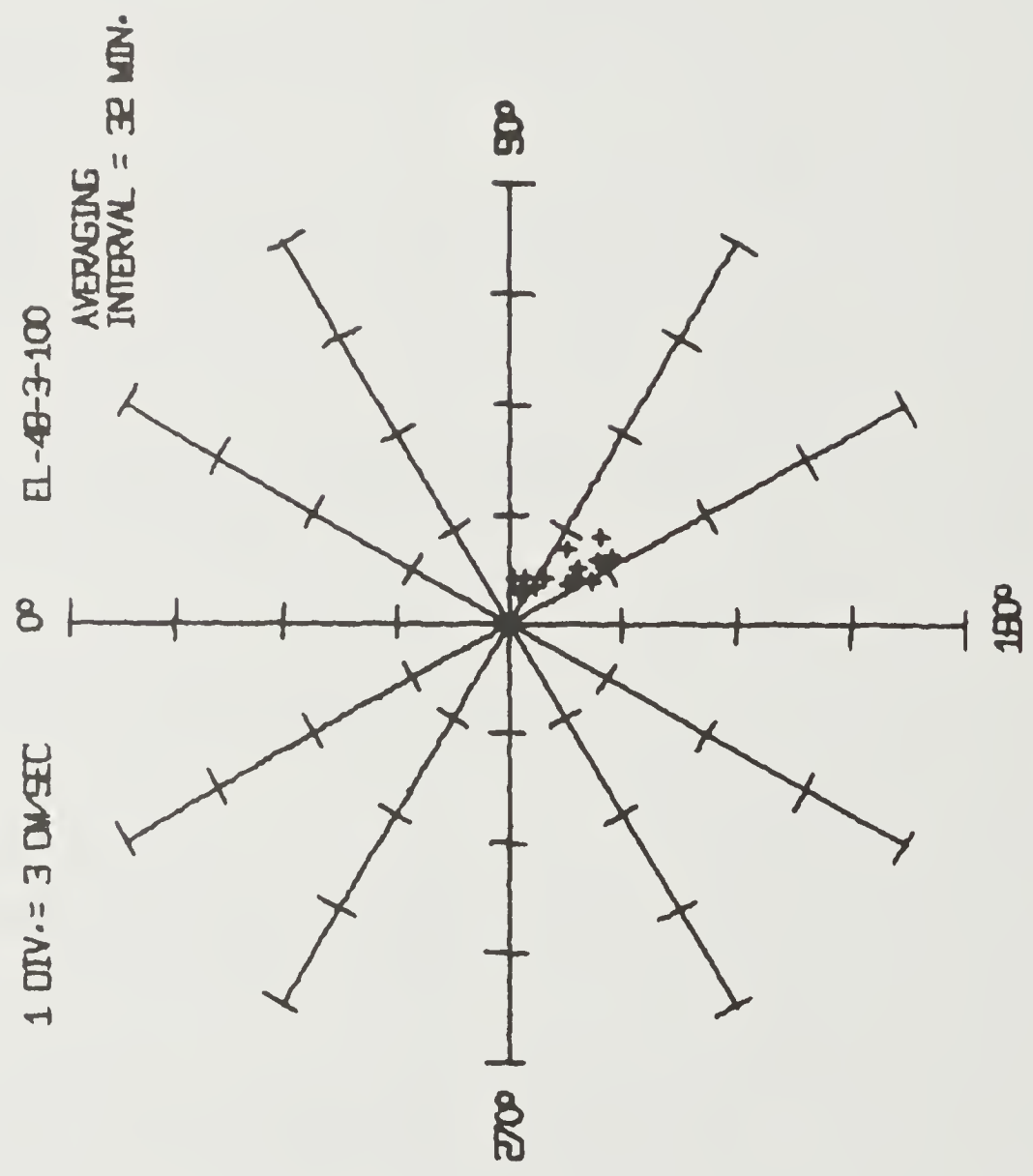
----- EAST-WEST -----
 MEAN = 1.35
 STC. ERROR = C.02
 CF MEAN = C.22
 VARIANCE = 0.47
 STC. DEVIATION = 3.07
 KURTOSIS = C.89
 SKEWNESS =

--- NORTH-SOUTH ---
 MEAN = -1.26
 STC. ERROR = C.04
 CF MEAN = C.86
 VARIANCE = C.92
 STC. DEVIATION = 1.69
 KURTOSIS = C.00
 SKEWNESS =

----- SCALAR -----
 MEAN = 1.94
 STC. ERROR = C.03
 CF MEAN = C.72
 VARIANCE = C.85
 STC. DEVIATION = 1.79
 KURTOSIS = C.32
 SKEWNESS =

--- CC-VARIABLE ---
 CCVARIANCE = -C.30
 STC. ERROR = C.54
 CF CCVARIANCE = C.02
 STC. DEVIATION OF COVARIANCE = C.68
 CCRRELATION CCEF. =

----- VECTOR -----
 MEAN VECTOR = 1.85
 VARIANCE = C.54
 STC. DEVIATION = C.73
 DIRECTION = 133
 DIRECTION DEV. = 30.99



VECTOR DISTRIBUTION

CRUISE 48
 STATION 4
 LAT. 32 9.05
 LCN. 102 50.9E

SONIC DEPTH 5150 M
 HT. ABOVE BOTTOM 200 M
 SAMPLING INTERVAL 1 MIN

START 1039 14- 8-71
 STOP 1915 14- 8-71
 DURATION 8 HRS 36 MIN

***** STATISTICS *****

NC. CF DATA POINTS= 516
 (RAW DATA UNITS - CM/SEC, DEGREES)

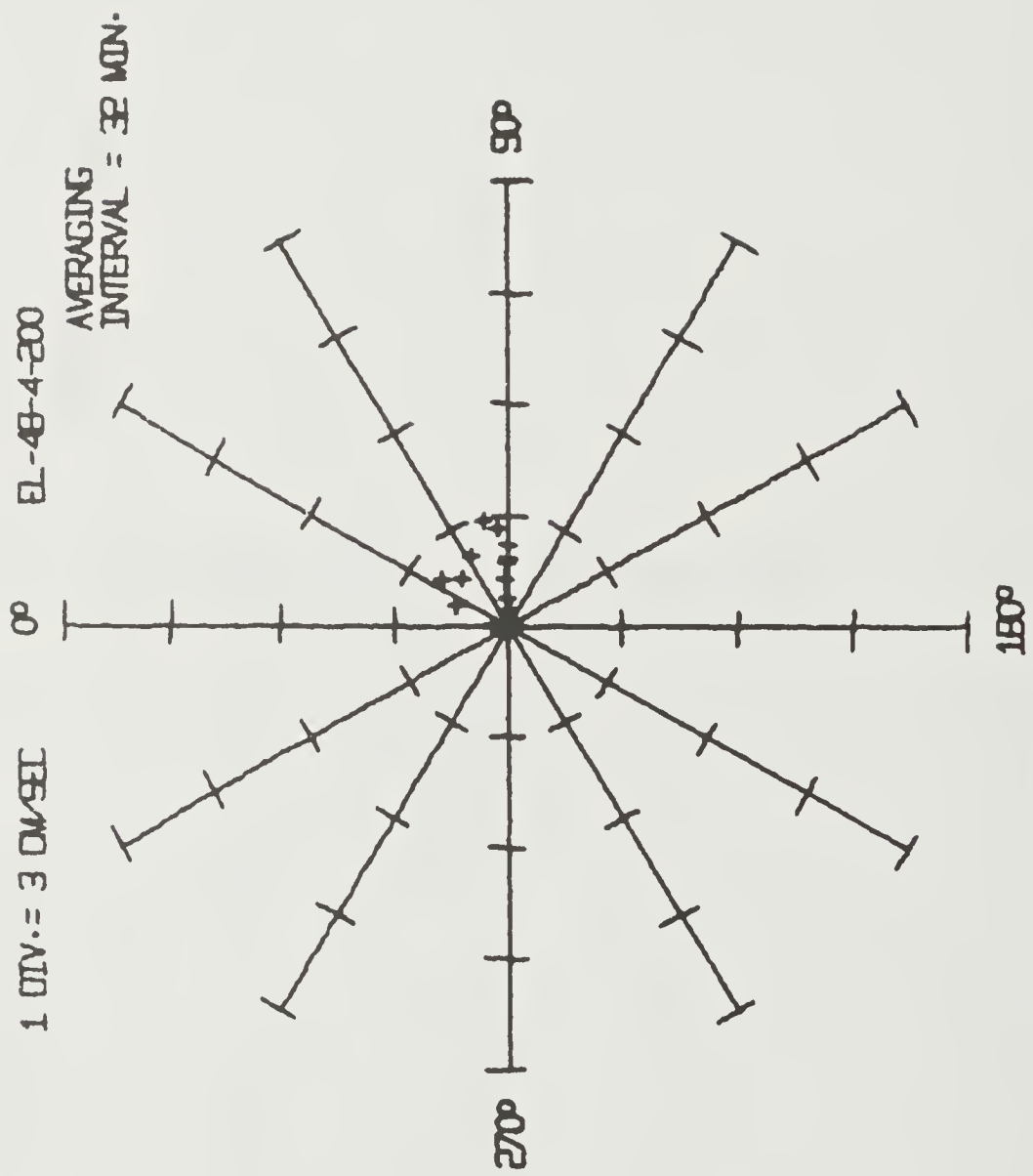
----- EAST-WEST -----
 MEAN = 1.16
 STD. ERROR = 0.04
 CF MEAN = 0.88
 VARIANCE = 0.94
 STD. DEVIATION = 1.96
 KURTOSIS = 3.05
 SKEWNESS = 1.05

----- NORTH-SOUTH -----
 MEAN = 0.40
 STD. ERROR = 0.02
 CF MEAN = 0.34
 VARIANCE = 0.59
 STD. DEVIATION = 3.05
 KURTOSIS = 1.05
 SKEWNESS = 1.05

----- SCALAR -----
 MEAN = 1.35
 STD. ERROR = 0.04
 CF MEAN = 0.91
 VARIANCE = 0.95
 STD. DEVIATION = 1.84
 KURTOSIS = -0.06
 SKEWNESS = -0.06

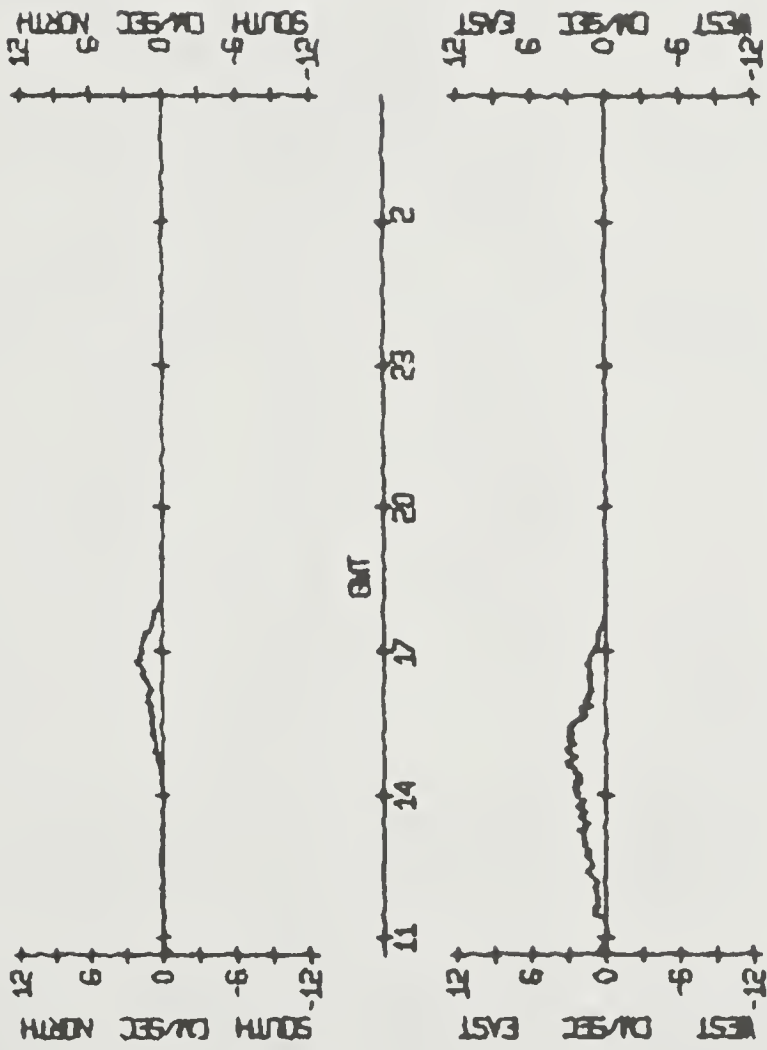
----- CC-VARIABLE -----
 COVARIANCE = 0.08
 STD. ERROR = 0.28
 CF COVARIANCE = 0.01
 STD. DEVIATION = 0.14
 CF COVARIANCE = 0.14
 CORRELATION COEFF. = 0.14

----- VECTOR -----
 MEAN VECTOR = 1.23
 VARIANCE = 0.61
 STD. DEVIATION = 0.78
 DIRECTION = 70
 DIRECTION DEV. = 11.55



EL-48- 4- 200

CM/SEC FREQ. *****
0.5 197 *****
1.5 175 *****
2.5 129 *****
3.5 15 *****



EL-48- 4- 200

CRUISE 49
 STATION 1
 LAT. 59 37.2S
 LON. 110 4.7E

SONIC DEPTH 4379 M
 HT. ABOVE BOTTOM 3 M
 SAMPLING INTERVAL 1 MIN

START 1220 13- 9-71
 STOP 1917 13- 9-71
 DURATION 6 HRS 58 MIN

***** STATISTICS *****

NO. CF DATA POINTS = 418
 (RAW DATA UNITS - CM/SEC, DEGREES)

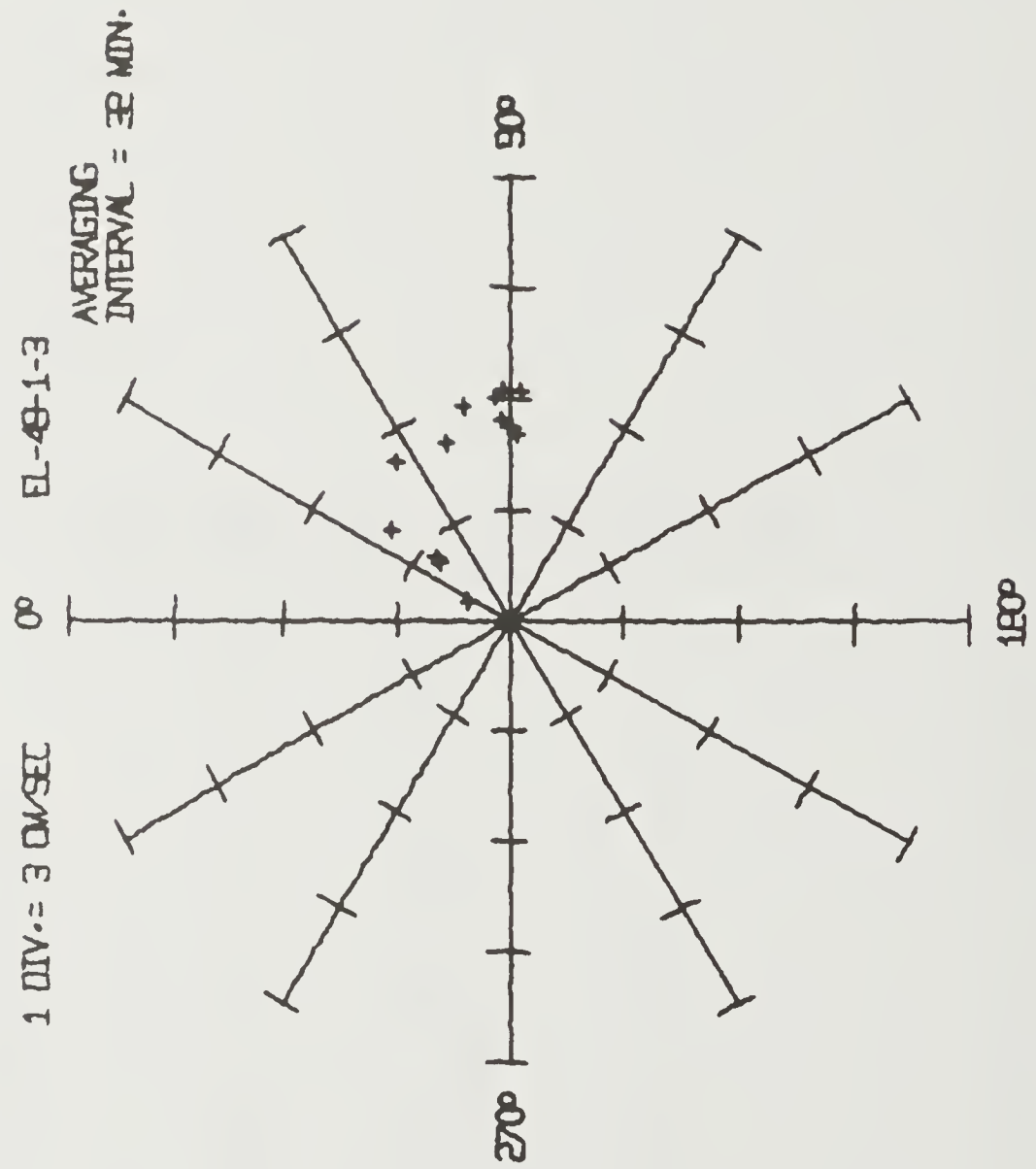
---- EAST-WEST ----
 MEAN = 4.23
 STD. ERROR = C.09
 CF MEAN = 3.99
 VARIANCE = 1.99
 STD. DEVIATION = 2.04
 KURTOSIS = -C.64
 SKEWNESS =

--- NORTH-SOUTH ---
 MEAN = 1.09
 STD. ERROR = C.05
 CF MEAN = 1.49
 VARIANCE = 1.22
 STD. DEVIATION = 2.81
 KURTOSIS = C.54
 SKEWNESS =

---- SCALAR ----
 MEAN = 4.66
 STD. ERROR = C.08
 CF MEAN = 2.87
 VARIANCE = 1.69
 STD. DEVIATION = 2.73
 KURTOSIS = -C.88
 SKEWNESS =

--- CO-VARIABLE ---
 COVARIANCE = -1.14
 STD. ERROR = 1.07
 CF COVARIANCE = C.05
 STD. DEVIATION = -0.47
 COVARIANCE CCEF. =

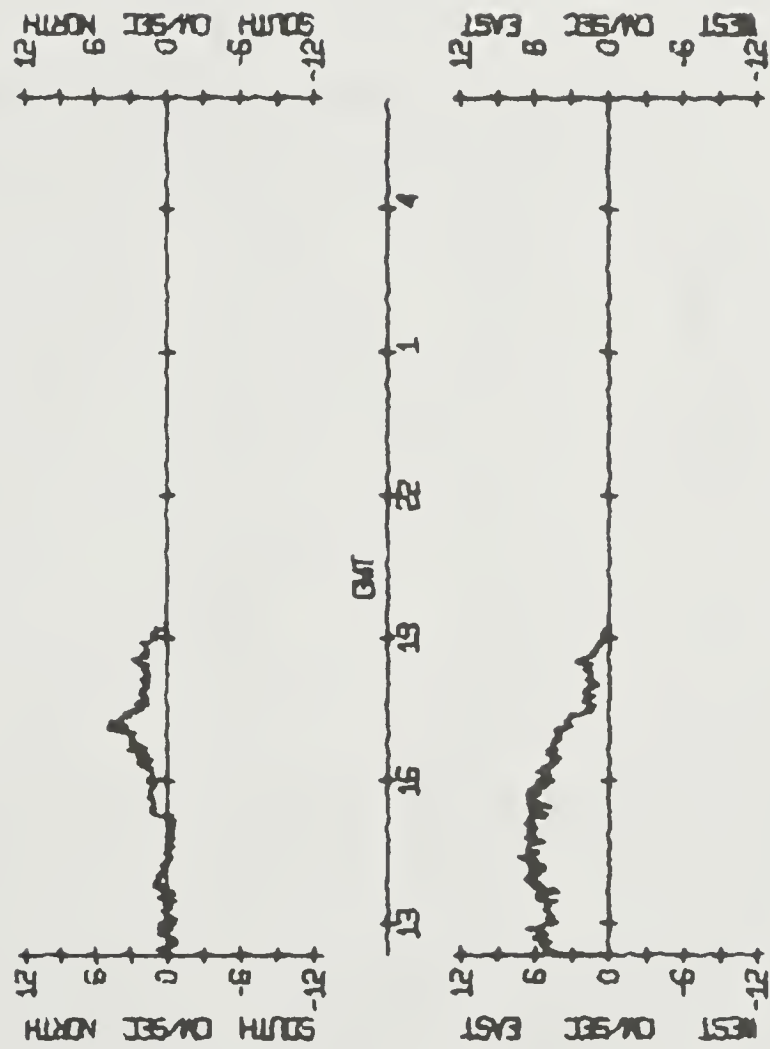
---- VECTOR ----
 MEAN VECTOR = 4.37
 VARIANCE = 2.74
 STD. DEVIATION = 1.65
 DIRECTION = 75
 DIRECTION DEV. = 8.93



VECTOR DISTRIBUTION

EL-49- 1- 3

```
CM/SEC  FREQ.  *****
0.5      11     *****
1.5      23     *****
2.5      68     *****
3.5      10     *****
4.5      57     *****
5.5     150     *****
6.5     96     *****
7.5      3      *
```



EL-49- 1- 3

CRUISE 49
 STATION 1
 LAT. 59 37.2S
 LCN. 110 4.7E

SONIC DEPTH 4379 M
 HT. ABOVE BOTTOM 200 M
 SAMPLING INTERVAL 1 MIN

START 1219 13- 9-71
 STOP 1917 13- 9-71
 CURATION 6 HRS 59 MIN

***** STATISTICS *****

NC. CF DATA PCINTS= 419
 (RAW DATA UNITS - CM/SEC, DEGREES)

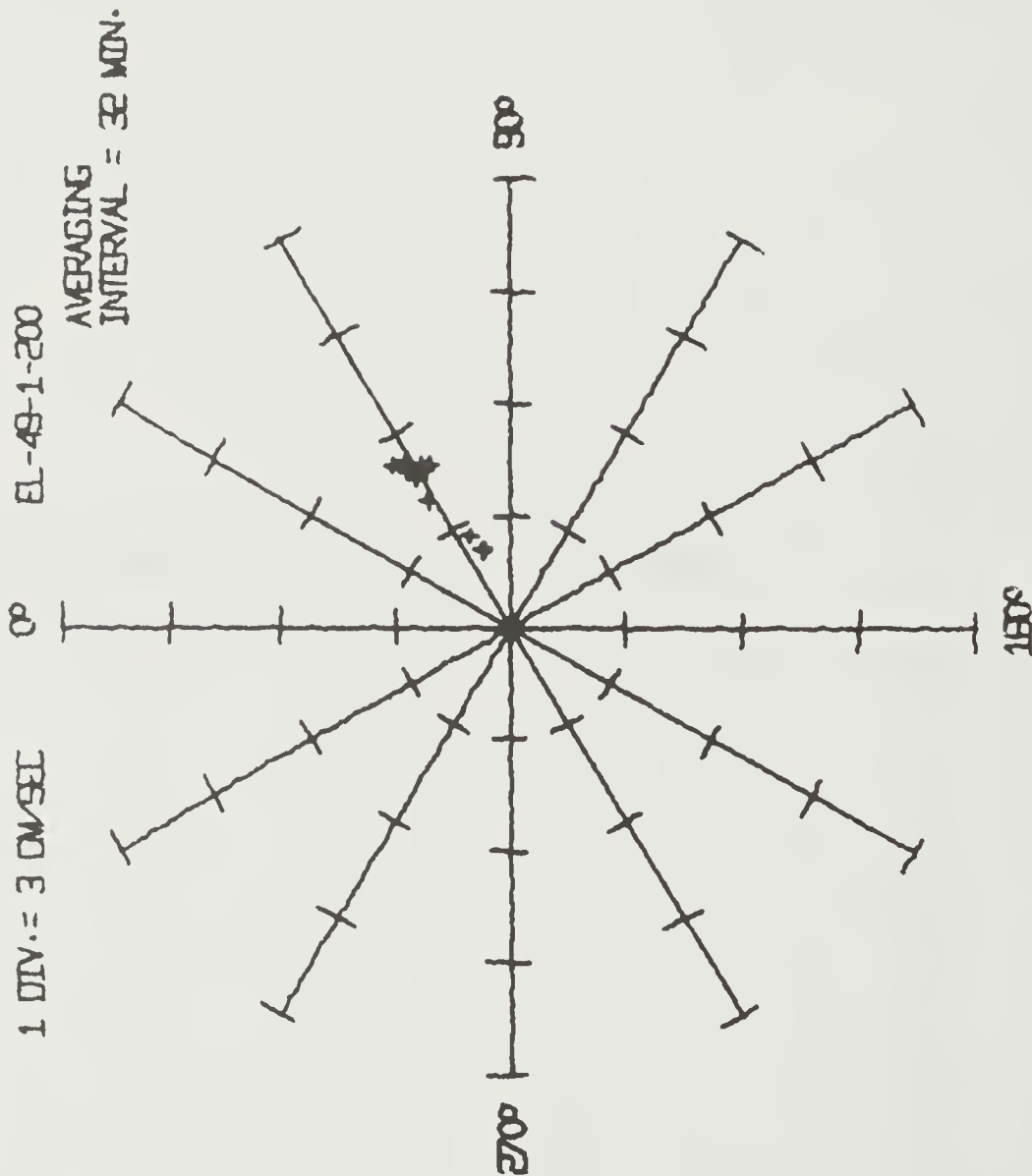
----- EAST-WEST -----
 MEAN = 3.66
 STC. ERRCR
 CF MEAN = C.04
 VARIANCE = C.78
 STD. DEVIATION = C.88
 KURTOSIS = 2.32
 SKEWNESS = -C.92

---- NCRTH-SCUTH ----
 MEAN = 2.05
 STC. ERRCR
 CF MEAN = C.03
 VARIANCE = C.65
 STD. DEVIATION = 0.80
 KURTOSIS = 2.29
 SKEWNESS = -C.64

----- SCALAR -----
 MEAN = 4.22
 STC. ERRCR
 CF MEAN = C.05
 VARIANCE = 1.21
 STD. DEVIATION = 1.10
 KURTOSIS = 2.44
 SKEWNESS = -1.01

--- CC-VARIABLE ---
 CCVARIANCE = 0.57
 STC. ERRCR
 CF CCVARIANCE = C.75
 STD. DEVIATION
 CF CCVARIANCE = 0.03
 CCORRELATION CCEF.= 0.80

----- VECTOR -----
 MEAN VECTOR = 4.20
 VARIANCE = C.71
 STD. DEVIATION = 0.84
 DIRECTION = 60
 DIRECTION DEV.= 3.69



VECTOR DISTRIBUTION

CRUISE 49 SONIC DEPTH 3464 M START 353 2-10-71
 STATION 4 HT. ABOVE BOTTOM 200 M STOP 949 2-10-71
 LAT. 49 24.5S SAMPLING INTERVAL 1 MIN DURATION 5 HRS 57 MIN
 LCN. 94 51.3E

***** STATISTICS *****
 NC. CF DATA PCINTS= 357
 (RAW DATA UNITS - CM/SEC, DEGREES)

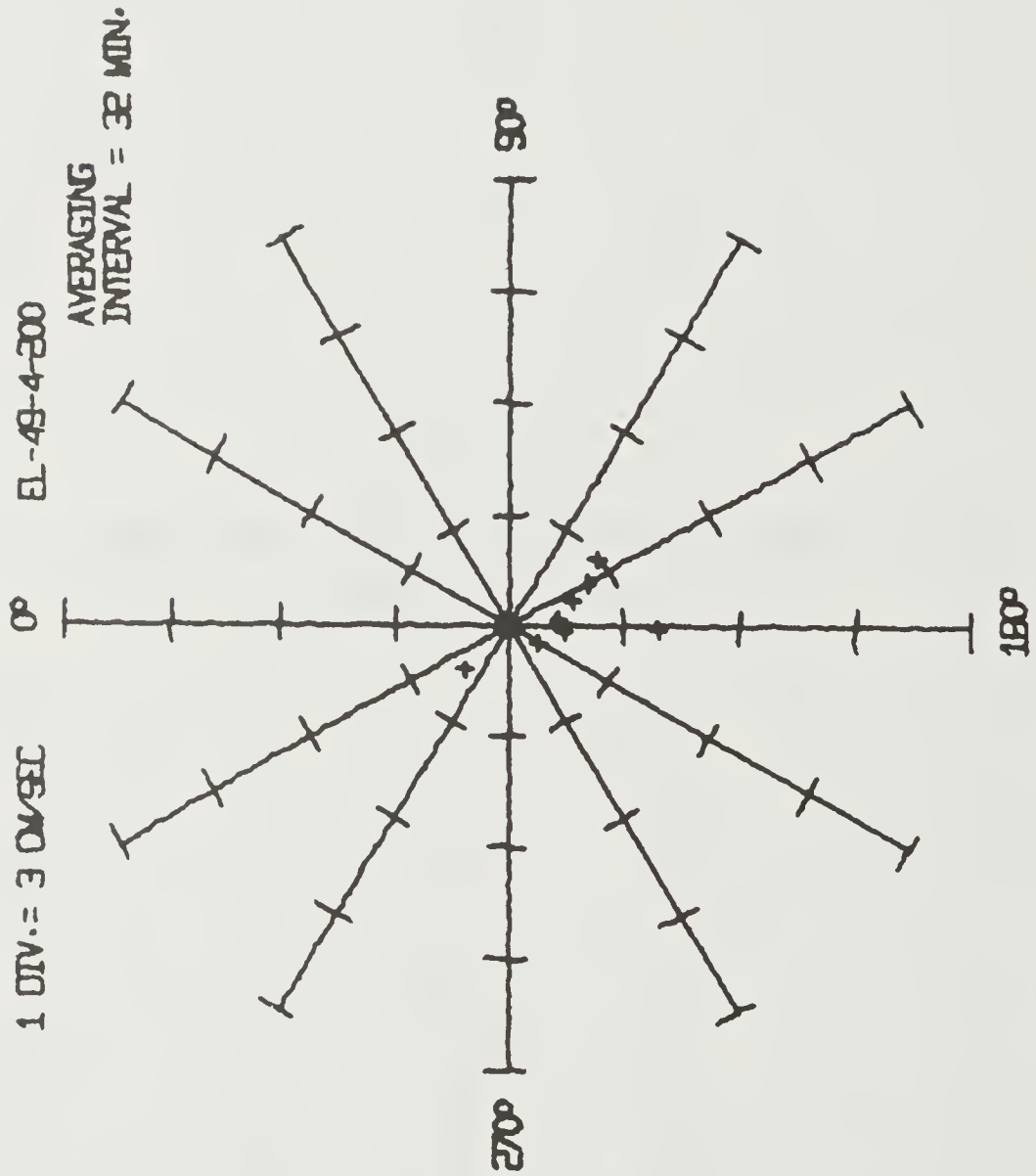
----- EAST-WEST -----
 MEAN = 0.15
 STD. ERROR
 CF MEAN = 0.04
 VARIANCE = 0.66
 DEVIATION = 0.81
 KURTOSIS = 2.90
 SKEWNESS = 0.48

--- NORTH-SOUTH ---
 MEAN = -1.11
 STD. ERROR
 CF MEAN = 0.07
 VARIANCE = 2.02
 DEVIATION = 1.42
 KURTOSIS = 2.55
 SKEWNESS = -0.30

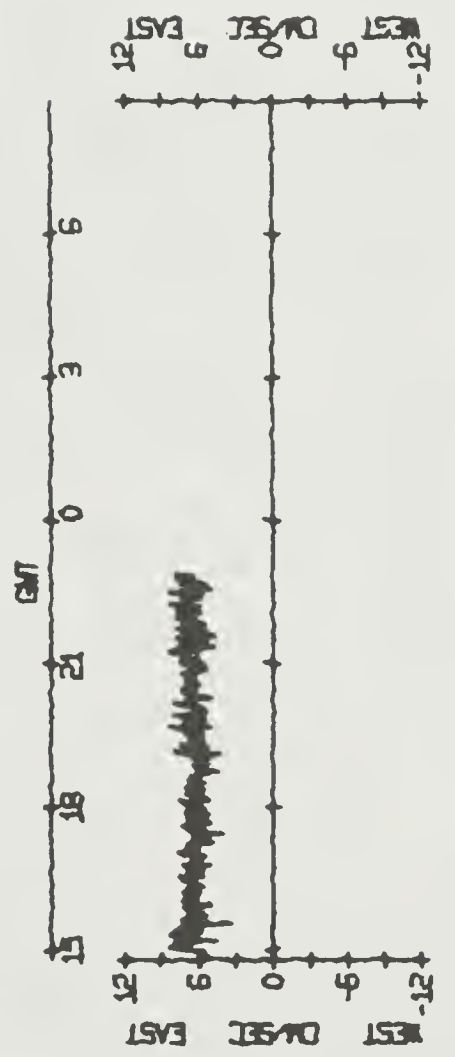
----- SCALAR -----
 MEAN = 1.57
 STD. ERROR
 CF MEAN = 0.06
 VARIANCE = 1.48
 DEVIATION = 1.22
 KURTOSIS = 2.38
 SKEWNESS = 0.43

--- CC-VARIABLE ---
 COVARIANCE = -0.57
 STD. ERROR
 CF COVARIANCE = 0.75
 DEVIATION = 0.04
 COVARIANCE = 0.04
 CCRRELATION CCEF. = -0.49

----- VECTOR -----
 MEAN VECTOR = 1.12
 VARIANCE = 1.34
 DEVIATION = 1.16
 DIRECTION = 172
 DIRECTION DEV. = 51.27



CM/SEC FREQ.
 10.5 1
 11.5 3 *
 12.5 8 **
 13.5 103 *****
 14.5 215 *****
 15.5 117 *****
 16.5 23 *****
 17.5 12 *****
 18.5 2 *****



CRUISE 50
 STATION 5
 LAT. 63 57.4S
 LCN. 170 1.0E

SONIC DEPTH 2963 M
 HT. ABOVE BOTTOM 100 M
 SAMPLING INTERVAL 1 MIN

START 837 16-12-71
 STCP 1354 16-12-71
 DURATION 5 HRS 18 MIN

***** STATISTICS *****

NC. OF DATA POINTS= 318
 (RAW DATA UNITS - CM/SEC, DEGREES)

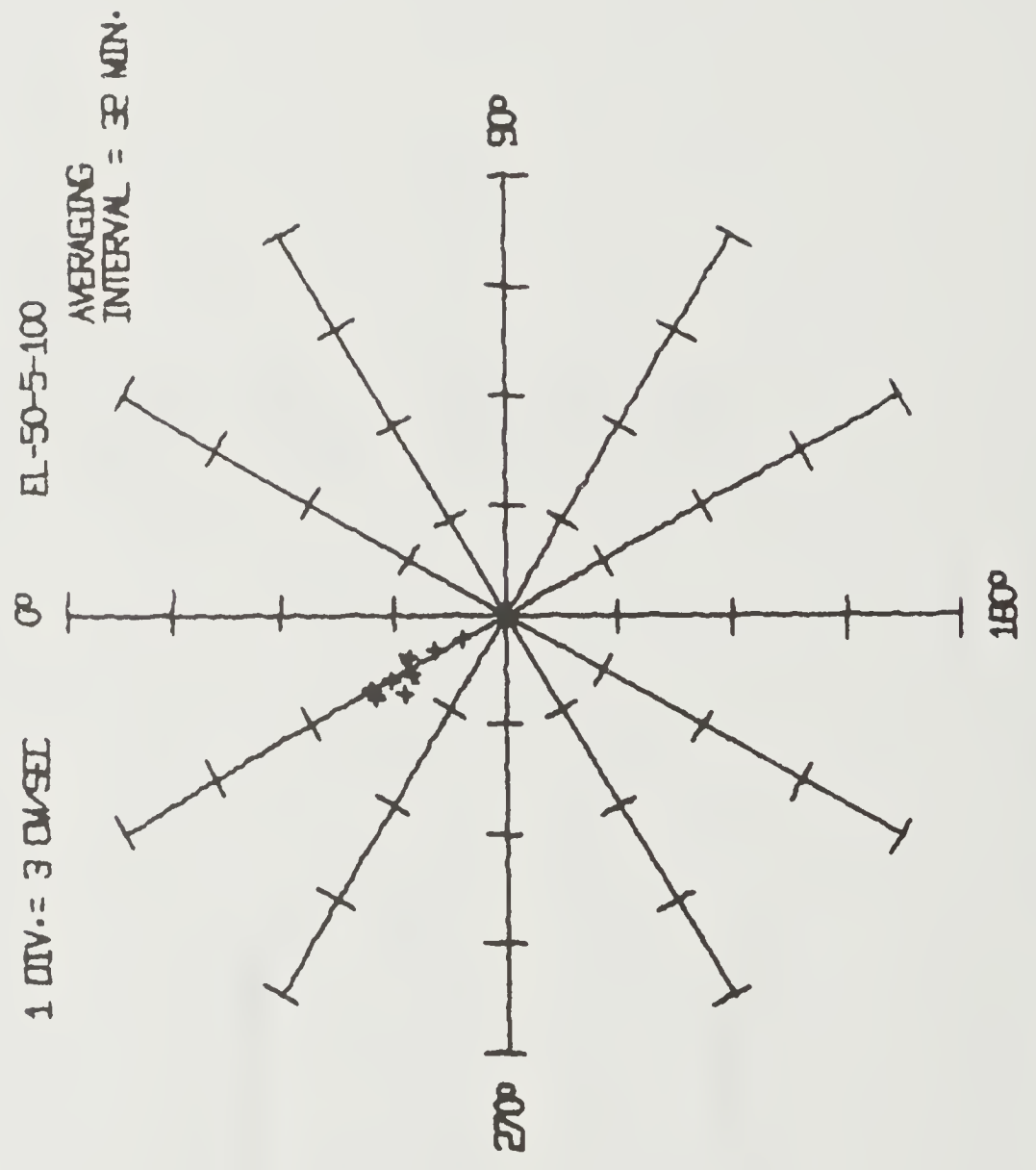
----- EAST-WEST -----
 MEAN = -1.53
 STD. ERROR
 CF MEAN = 0.03
 VARIANCE = 0.46
 STD. DEVIATION = 0.68
 KURTOSIS = 1.92
 SKEWNESS = 0.24

--- NORTH-SOUTH ---
 MEAN = 2.47
 STD. ERROR
 CF MEAN = 0.05
 VARIANCE = 1.01
 STD. DEVIATION = 1.00
 KURTOSIS = 2.62
 SKEWNESS = -0.77

----- SCALAR -----
 MEAN = 2.93
 STD. ERROR
 CF MEAN = 0.06
 VARIANCE = 1.36
 STD. DEVIATION = 1.16
 KURTOSIS = 2.43
 SKEWNESS = -0.72

--- CC-VARIABLE ---
 CCVARIANCE = -0.57
 STD. ERROR
 CF COVARIANCE = 0.75
 STD. DEVIATION = 0.04
 CF CCVARIANCE = -0.83
 CORRELATION CCEF. =

----- VECTOR -----
 MEAN VECTOR = 2.91
 VARIANCE = 0.73
 STD. DEVIATION = 0.86
 DIRECTION = 329
 DIRECTION DEV. = 21.82



CRUISE 50 SONIC DEPTH 5184 M START 704 19-12-71
 STATION 6 HT. ABOVE BOTTOM 100 M STOP 530 22-12-71
 LAT. 58 59.0S SAMPLING INTERVAL 1 MIN DURATION 70 HRS 27 MIN
 LCN. 170 0.8E

***** STATISTICS *****

NO. CF DATA POINTS= 4227
 (RAW DATA UNITS - CM/SEC, DEGREES)

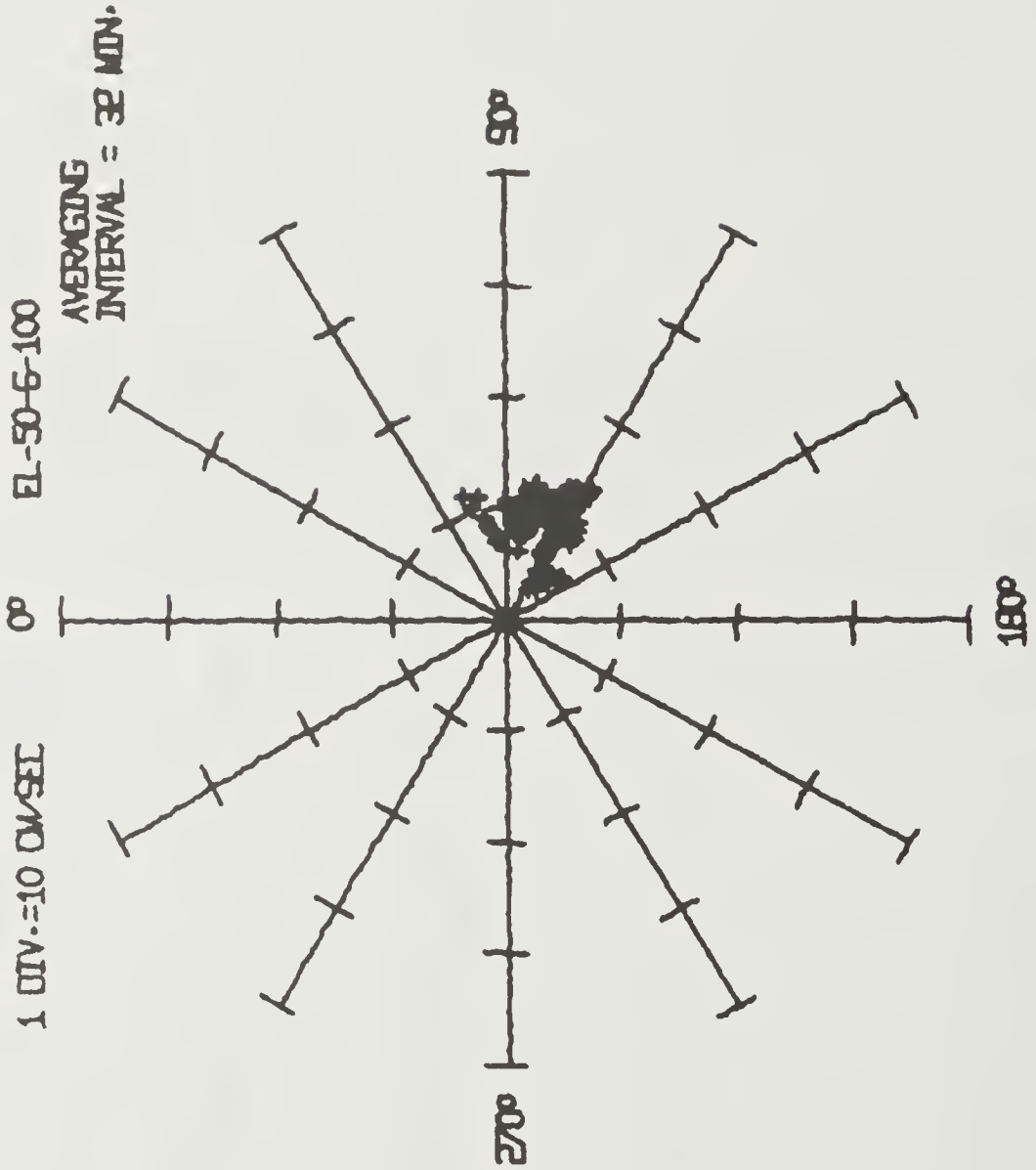
---- EAST-WEST ----
 MEAN = 8.91
 STD. ERRCR
 CF MEAN = C.03
 VARIANCE = 4.35
 STD. DEVIATION = 2.08
 KLRTOSIS = 3.75
 SKEWNESS = -C.95

--- NCRTH-SCUTH ---
 MEAN = -3.26
 STD. ERRCR
 CF MEAN = C.03
 VARIANCE = 4.83
 STD. DEVIATION = 2.19
 KLRTCSIS = 3.67
 SKEWNESS = C.56

----- SCALAR -----
 MEAN = 9.73
 STD. ERRCR
 CF MEAN = C.03
 VARIANCE = 4.46
 STD. DEVIATION = 2.11
 KLRTCSIS = 3.54
 SKEWNESS = -C.61

--- CC-VARIABLE ---
 CCVARIANCE = -C.42
 STD. ERRCR
 CF COVARIANCE = 0.65
 STD. DEVIATION
 CF COVARIANCE = 0.01
 CCRRELATION CCEF. = -C.09

----- VECTOR -----
 MEAN VECTOR = 9.49
 VARIANCE = 4.59
 STD. DEVIATION = 2.14
 DIRECTION = 111
 DIRECTION DEV. = 16.79



VECTOR DISTRIBUTION

CRUISE 52 SONIC DEPTH 527 M START 258 9- 3-72
 STATION 2 HT. ABOVE BOTTOM 4 M STOP 723 13- 3-72
 LAT. 73 21.0S SAMPLING INTERVAL 1 MIN DURATION 100 HRS 26 MIN
 LCN. 176 57.9E

***** STATISTICS *****

NC. CF DATA PCINTS= 6026
 (RAW DATA UNITS - CM/SEC, DEGREES)

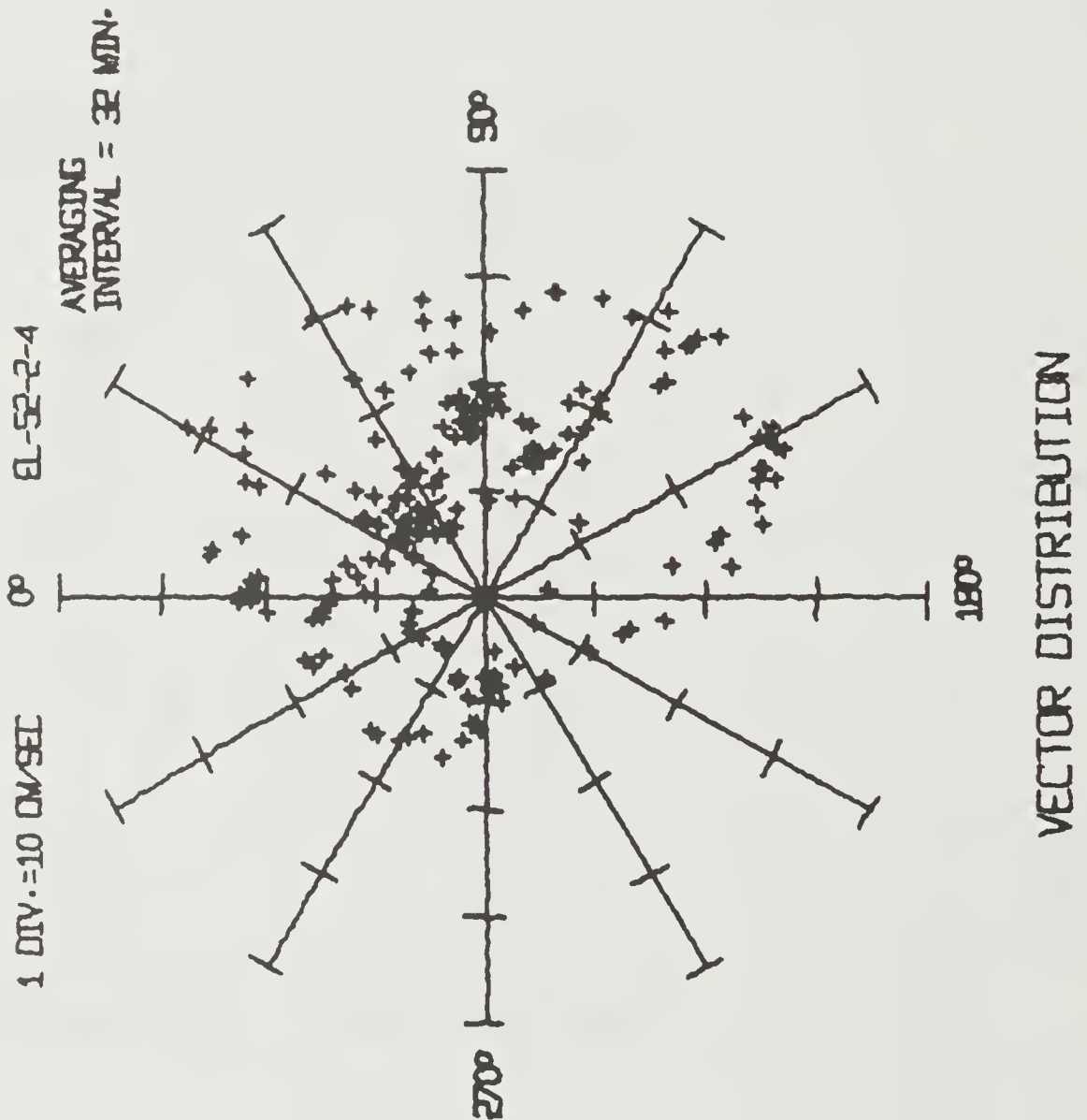
---- EAST--WEST ----
 MEAN = 7.97
 STC. ERROR
 CF MEAN = 0.14
 VARIANCE = 124.02
 STD. DEVIATION = 11.13
 KURTOSIS = 2.33
 SKEWNESS = -0.09

--- NORTH--SOUTH ---
 MEAN = 1.58
 STC. ERROR
 CF MEAN = 0.16
 VARIANCE = 166.85
 STD. DEVIATION = 12.91
 KURTOSIS = 3.12
 SKEWNESS = -0.35

----- SCALAR -----
 MEAN = 17.11
 STC. ERROR
 CF MEAN = 0.10
 VARIANCE = 64.04
 STD. DEVIATION = 8.00
 KURTOSIS = 2.59
 SKEWNESS = 0.59

--- CC-VARIABLE ---
 COVARIANCE = -36.37
 STD. ERROR
 OF COVARIANCE = 6.03
 STD. DEVIATION
 CF COVARIANCE = 0.07
 CORRELATION COEF. = -0.25

----- VECTOR -----
 MEAN VECTOR = 8.12
 VARIANCE = 145.43
 STD. DEVIATION = 12.05
 DIRECTION = 78
 DIRECTION DEV. = 73.93





NC. CF PTS. OUTSIDE SPEED RANGE = 1



CRUISE 53
 STATION 1
 LAT. 49 0.0S
 LCN. 148 7.8E

SONIC DEPTH 4165 M
 HT. ABOVE BOTTOM 95 M
 SAMPLING INTERVAL 5 MIN

START 1115 1- 5-72
 STCP 824 14- 5-72
 DURATION 332 HRS 15 MIN

***** STATISTICS *****

NC. CF DATA PCINTS= 4048
 (RAW DATA UNITS - CM/SEC, DEGREES)

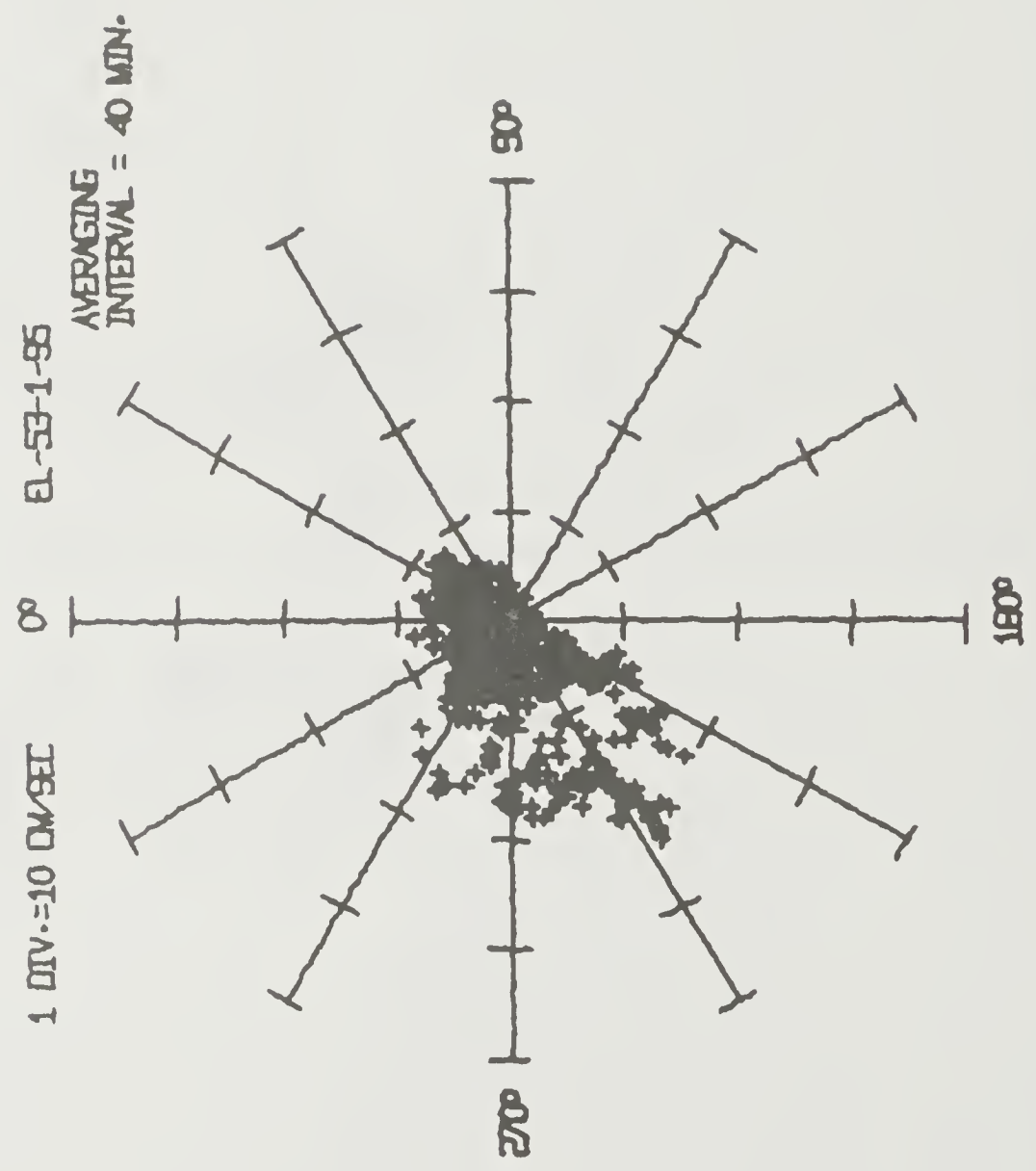
----- EAST-WEST -----
 MEAN = -4.36
 STC. ERRCR
 CF MEAN = 0.09
 VARIANCE = 33.08
 STC. DEVIATION = 5.75
 KURTCSIS = 2.93
 SKEWNESS = -0.82

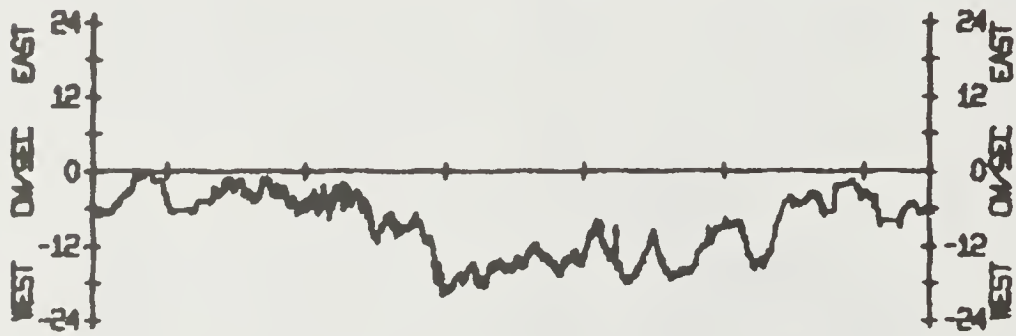
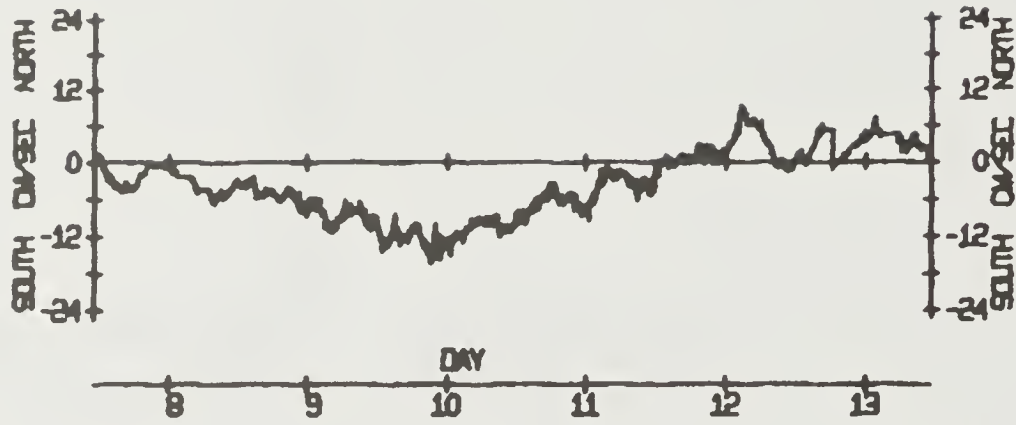
----- NORTH-SOUTH -----
 MEAN = -0.31
 STC. ERRCR
 CF MEAN = 0.07
 VARIANCE = 23.94
 STC. DEVIATION = 4.89
 KURTCSIS = 3.26
 SKEWNESS = -0.91

----- SCALAR -----
 MEAN = 6.89
 STC. ERRCR
 CF MEAN = 0.08
 VARIANCE = 28.65
 STC. DEVIATION = 5.35
 KURTCSIS = 3.38
 SKEWNESS = 1.06

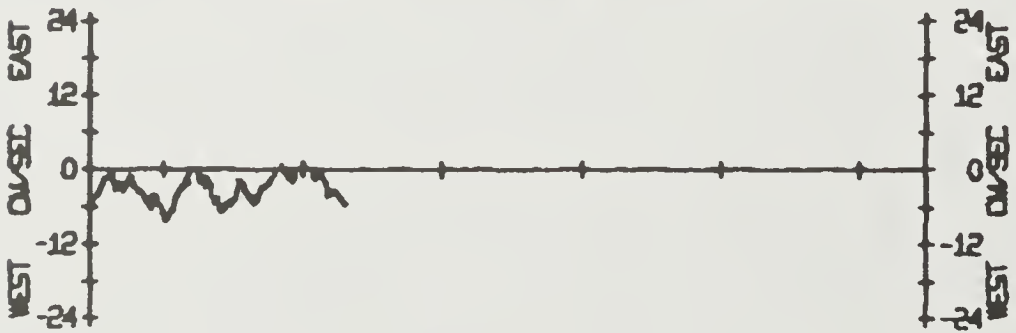
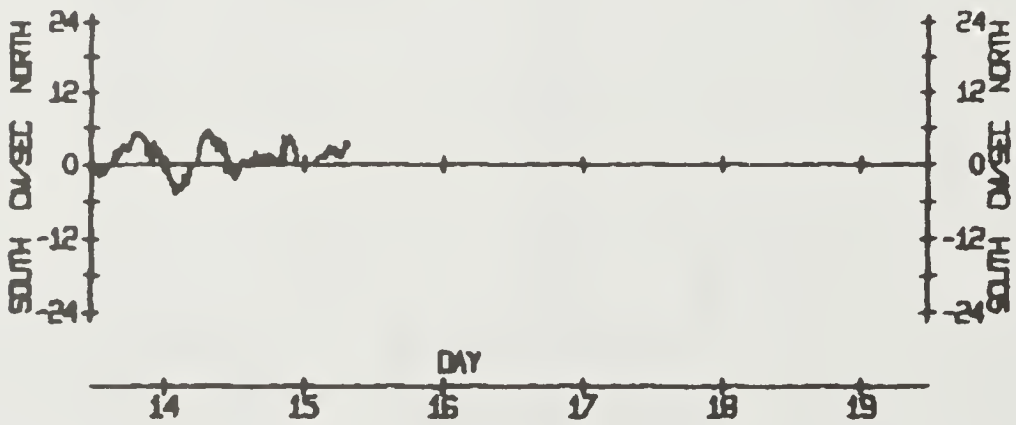
----- CC-VARIABLE -----
 CCVARIANCE = 15.79
 STC. ERRCR
 CF CCVARIANCE = 3.97
 STC. DEVIATION
 CF CCVARIANCE = 0.06
 CCRRELATION CCEF. = 0.56

----- VECTOR -----
 MEAN VECTOR = 4.38
 VARIANCE = 28.51
 STC. DEVIATION = 5.33
 DIRECTION = 265
 DIRECTION DEV. = 58.48





EL-53- 1- 95



EL-53- 1- 95

CRUISE 54
 STATION 2
 LAT. 57 29.3S
 LON. 82 24.3E

SONIC DEPTH 379C M
 HT. ABOVE BOTTOM 100 M
 SAMPLING INTERVAL 5 MIN

START 1716 6- 7-72
 STCP 24 15- 7-72
 DURATION 175 HRS 44 MIN

***** STATISTICS *****

NC. CF DATA PCINTS= 2100
 (RAW DATA UNITS - CM/SEC, DEGREES)

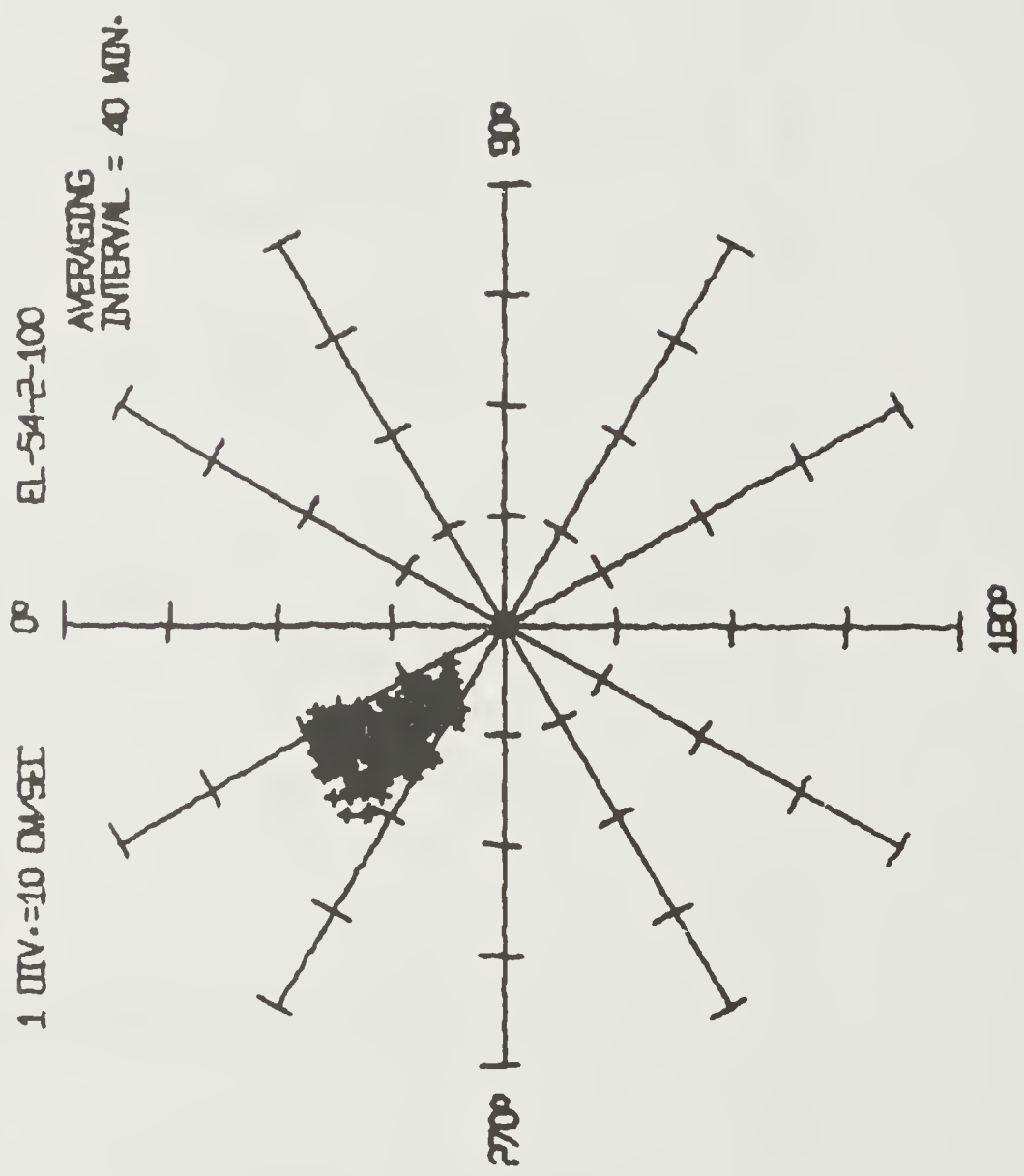
----- EAST-WEST -----
 MEAN = -9.84
 STD. ERROR
 CF MEAN = 0.06
 VARIANCE = 7.96
 DEVIATION = 2.82
 KURTOSIS = 3.30
 SKEWNESS = -0.02

--- NORTH--SOUTH ---
 MEAN = 10.73
 STD. ERROR
 CF MEAN = 0.07
 VARIANCE = 12.18
 DEVIATION = 3.49
 KURTOSIS = 2.07
 SKEWNESS = -0.16

----- SCALAR -----
 MEAN = 14.78
 STD. ERROR
 CF MEAN = 0.08
 VARIANCE = 13.80
 DEVIATION = 3.71
 KURTOSIS = 2.45
 SKEWNESS = -0.41

--- CC-VARIABLE ---
 CCVARIANCE = -3.56
 STD. ERROR
 CF CCVARIANCE = 1.88
 STD. DEVIATION
 CF CCVARIANCE = 0.04
 CORRELATION COEFF. = -0.36

----- VECTOR -----
 MEAN VECTOR = 14.56
 VARIANCE = 10.07
 STD. DEVIATION = 3.17
 DIRECTION = 318
 DIRECTION DEV. = 17.46



VECTOR DISTRIBUTION

CRUISE 54
 STATION 4
 LAT. 47 29.8S
 LON. 124 4.6E

SCNIC DEPTH 4525 M
 HT. ABOVE BCITOM 100 M
 SAMPLING INTERVAL 1 MIN

START 2017 5- 8-72
 STOP 2049 7- 8-72
 DURATION 48 HRS 33 MIN

***** STATISTICS *****

NC. CF DATA POINTS= 2913
 (RAW DATA UNITS - CM/SEC, DEGREES)

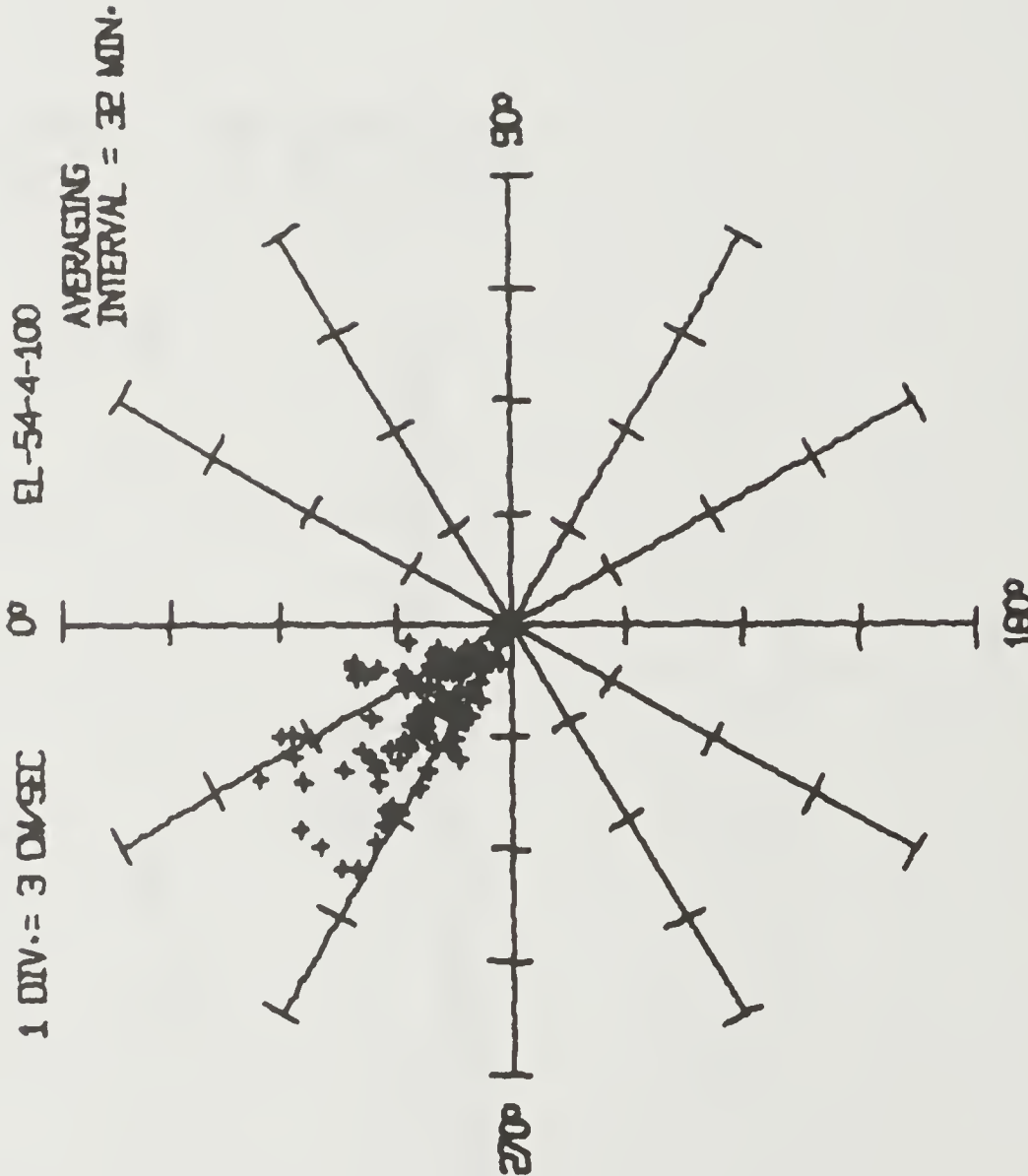
----- EAST-WEST -----
 MEAN = -2.46
 STD. ERROR
 CF MEAN = 0.03
 VARIANCE = 3.06
 STD. DEVIATION = 1.74
 KURTOSIS = 2.98
 SKEWNESS = -0.74

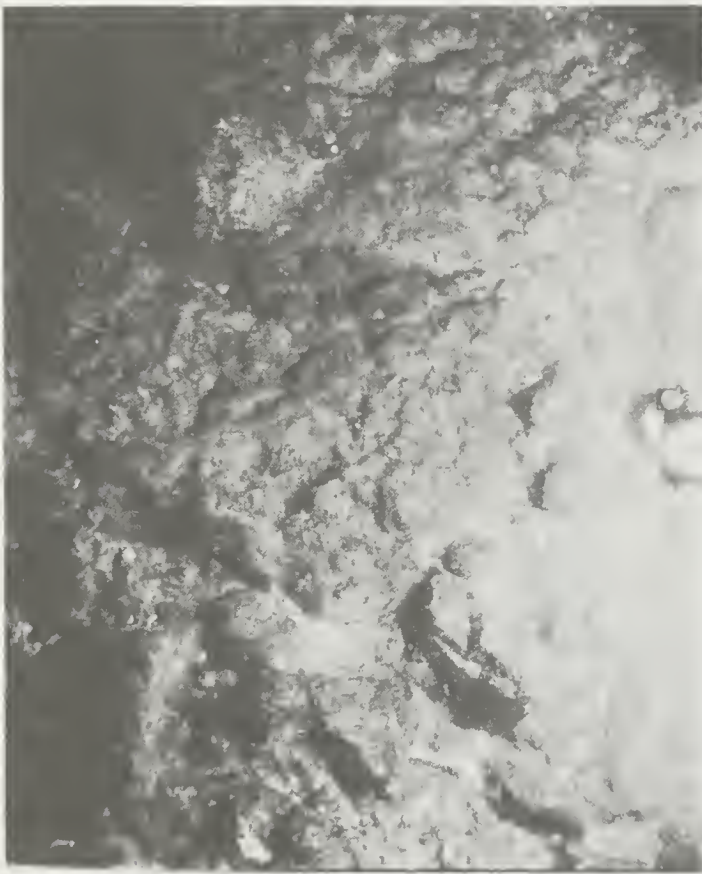
--- NORTH-SOUTH ---
 MEAN = 2.46
 STD. ERROR
 CF MEAN = 0.03
 VARIANCE = 2.73
 STD. DEVIATION = 1.65
 KURTOSIS = 4.84
 SKEWNESS = 1.07

----- SCALAR -----
 MEAN = 3.67
 STD. ERROR
 CF MEAN = 0.03
 VARIANCE = 4.46
 STD. DEVIATION = 2.11
 KURTOSIS = 3.13
 SKEWNESS = 0.74

--- CC-VARIABLE ---
 COVARIANCE = -1.45
 STD. ERROR
 OF COVARIANCE = 1.20
 STD. DEVIATION
 CF COVARIANCE = 0.02
 CCRRELATION CCEF. = -0.50

----- VECTOR -----
 MEAN VECTOR = 3.48
 VARIANCE = 2.89
 STD. DEVIATION = 1.70
 DIRECTION = 315
 DIRECTION DEV. = 39.51

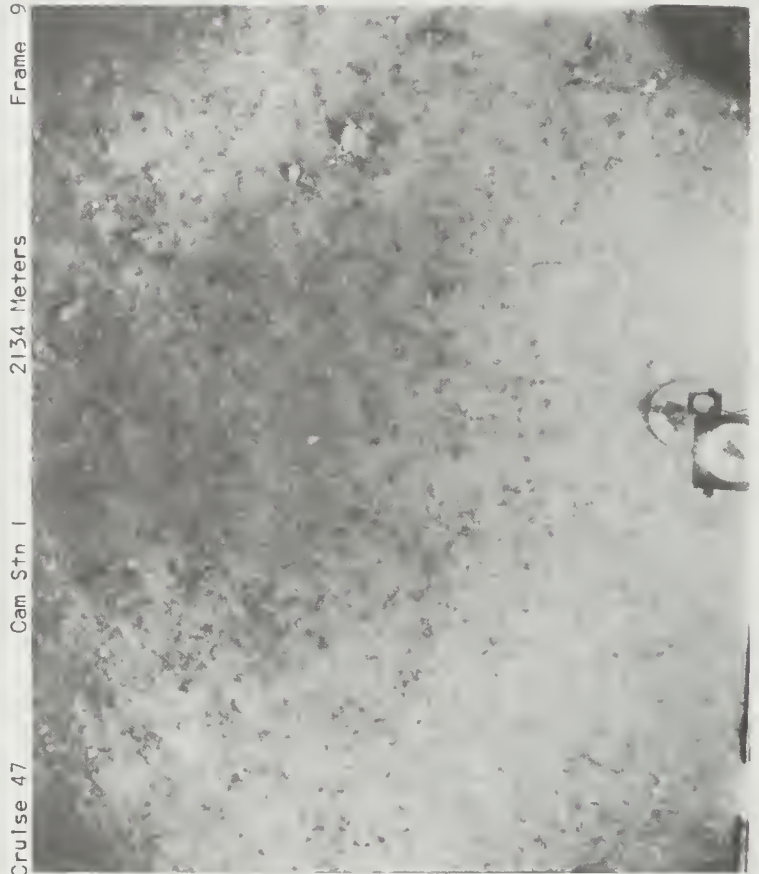




Cruise 47 Cam Stn 1 2134 Meters Frame 1



Cruise 47 Cam Stn 1 2134 Meters Frame 2



Cruise 47 Cam Stn 1 2134 Meters Frame 9



Cruise 47 Cam Stn 2 3644 Meters Frame 11

Representative bottom photographs were inadvertently omitted for two stations. The ocean bottom at Cruise 50 Cam Sta 26 is similar to that shown for Cruise 50 Cam Stn 27 Frame 13. The bottom at Cruise 53 Cam Stn 1 is similar to but smoother than that shown for Cruise 53 Cam Stn 4 Frame 20.

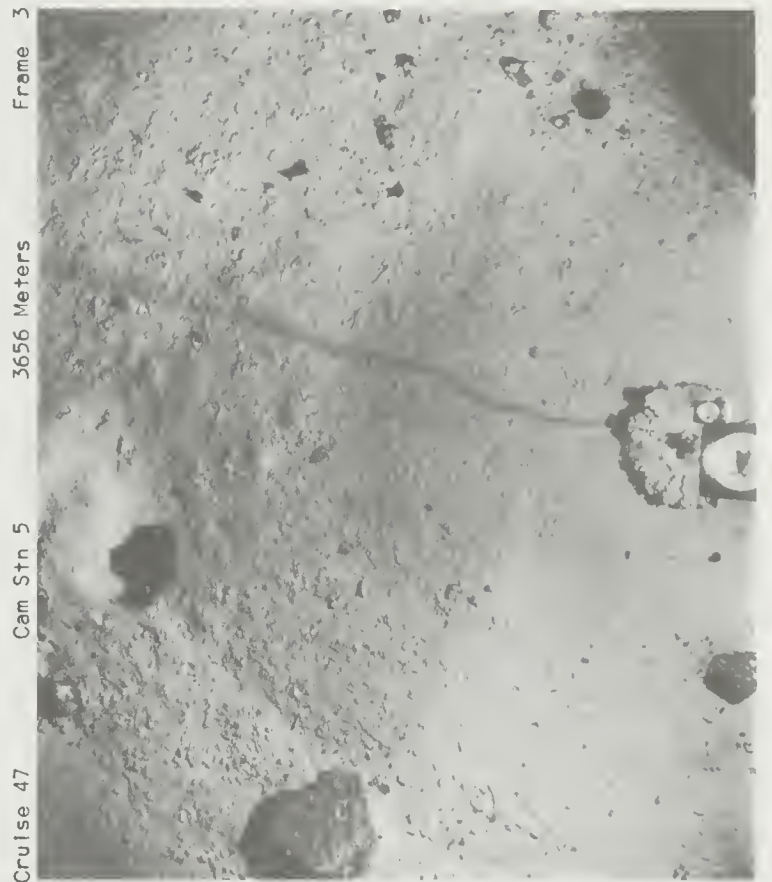


Cruise 47

Cam Stn 4

3153 Meters

Frame 13



Cruise 47

Cam Stn 5

3656 Meters

Frame 3

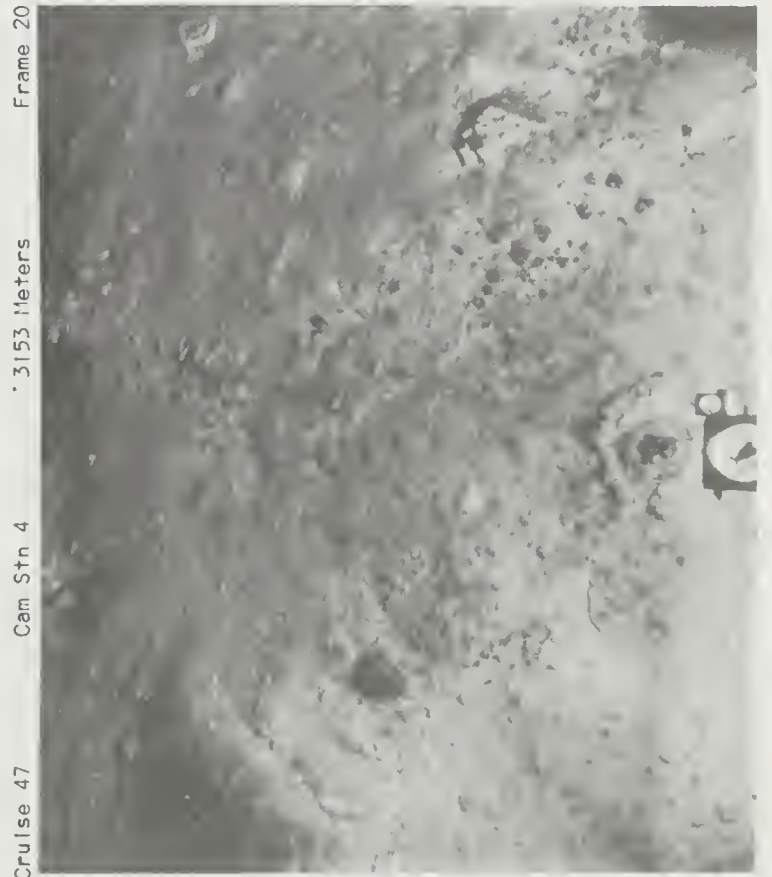


Cruise 47

Cam Stn 2

3644 Meters

Frame 22

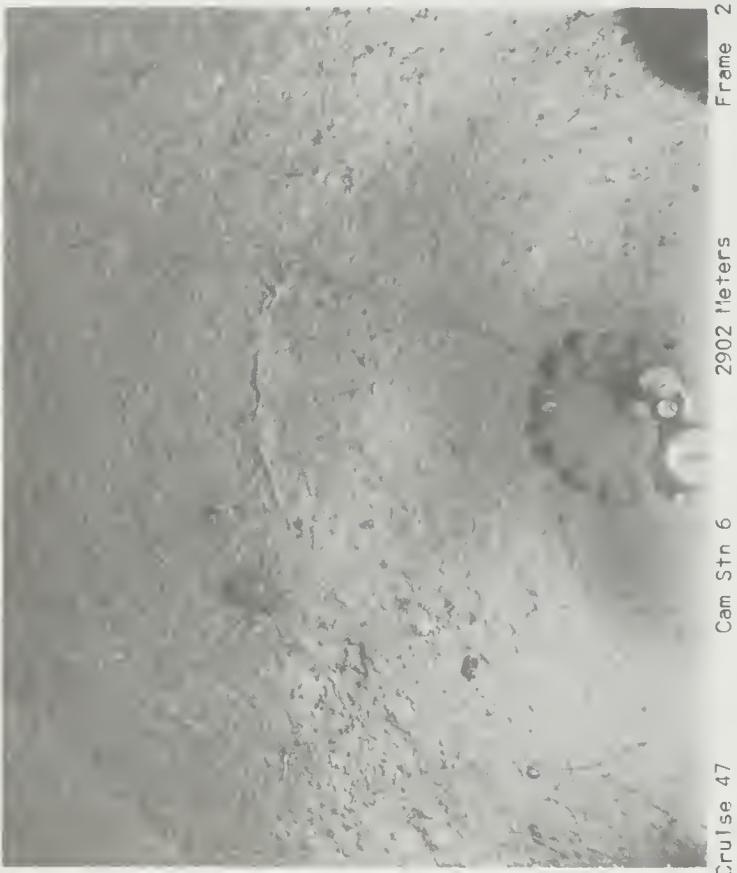


Cruise 47

Cam Stn 4

3153 Meters

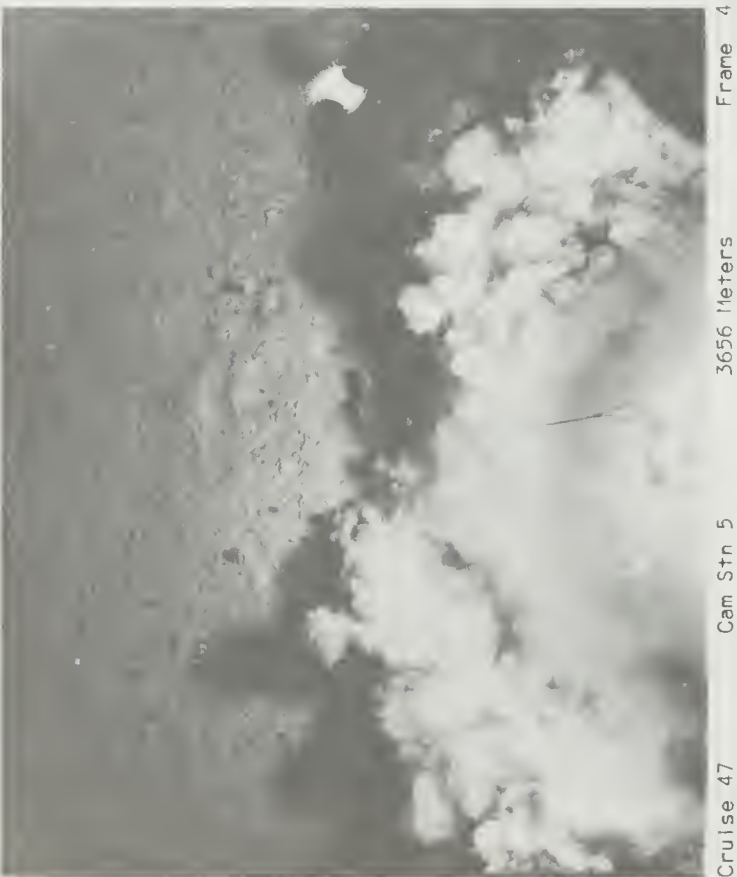
Frame 20



Cruise 47 Cam Stn 6 2902 Meters Frame 2



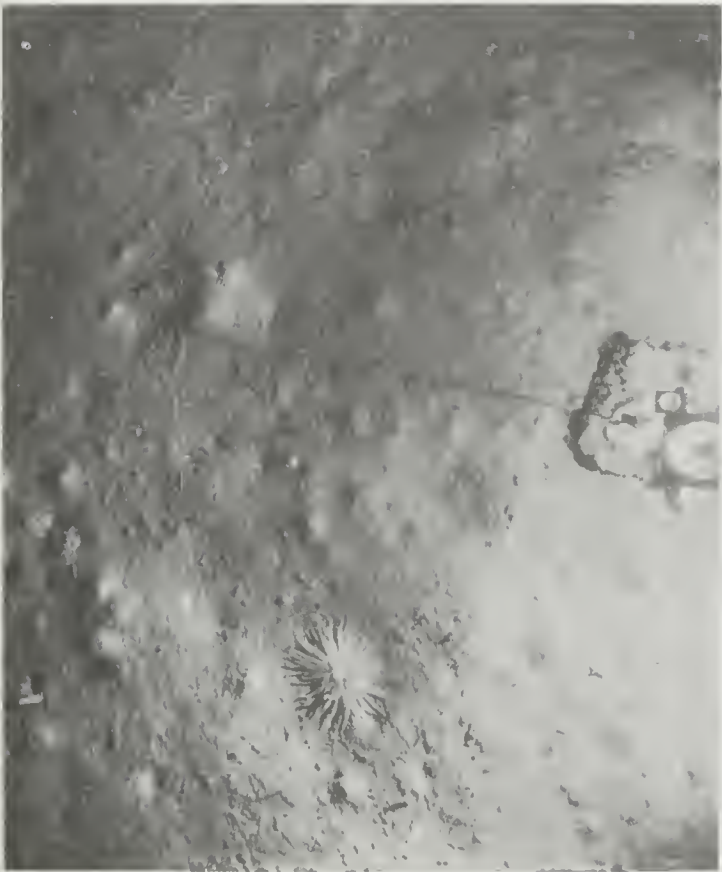
Cruise 47 Cam Stn 6 2902 Meters Frame 12



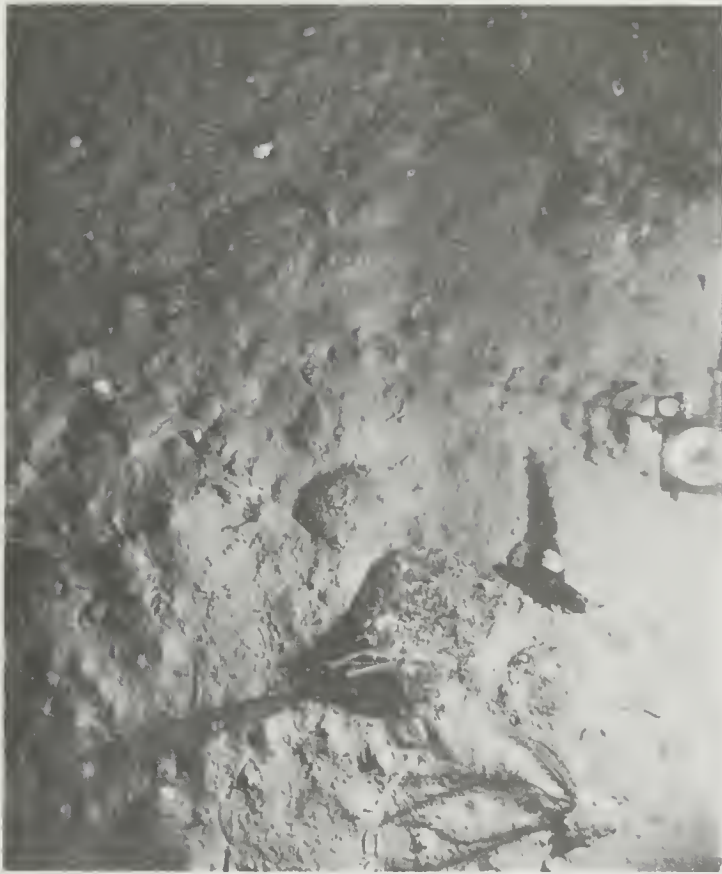
Cruise 47 Cam Stn 5 3656 Meters Frame 4



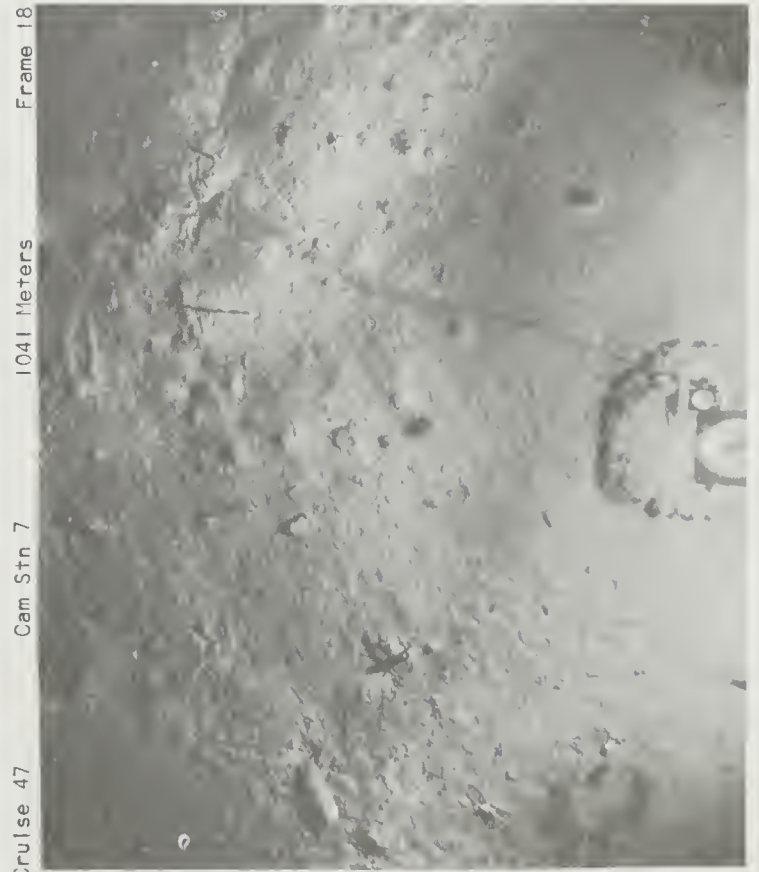
Cruise 47 Cam Stn 6 2902 Meters Frame 7



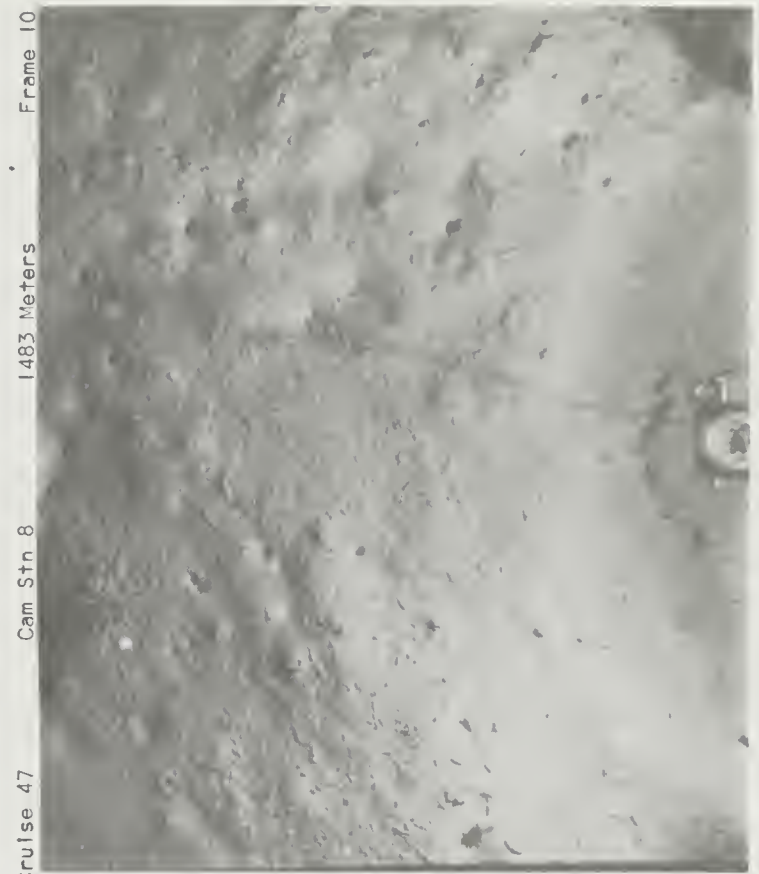
Cruise 47 Cam Stn 7 1041 Meters Frame 6



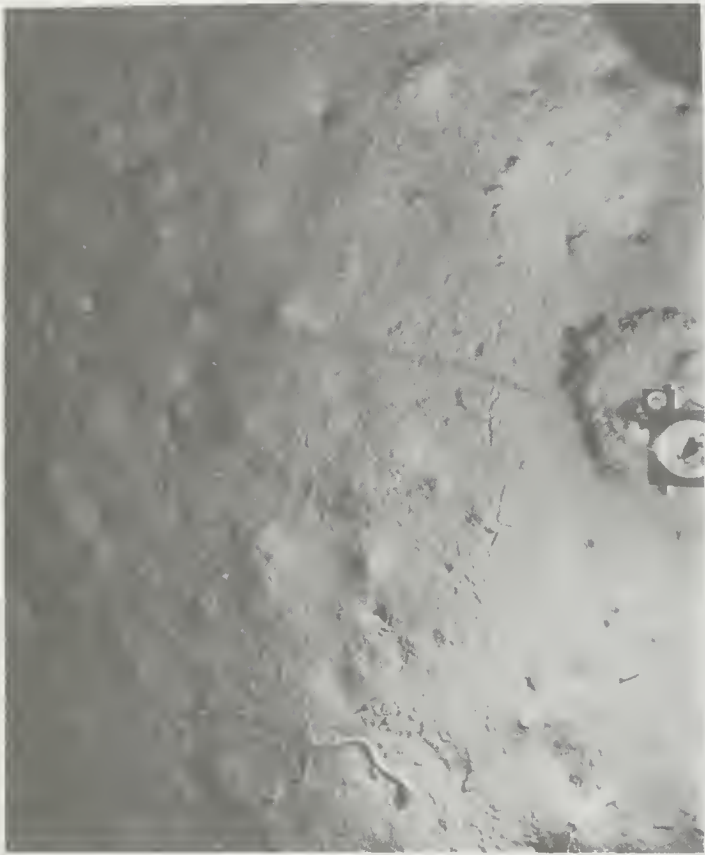
Cruise 47 Cam Stn 7 1041 Meters Frame 12



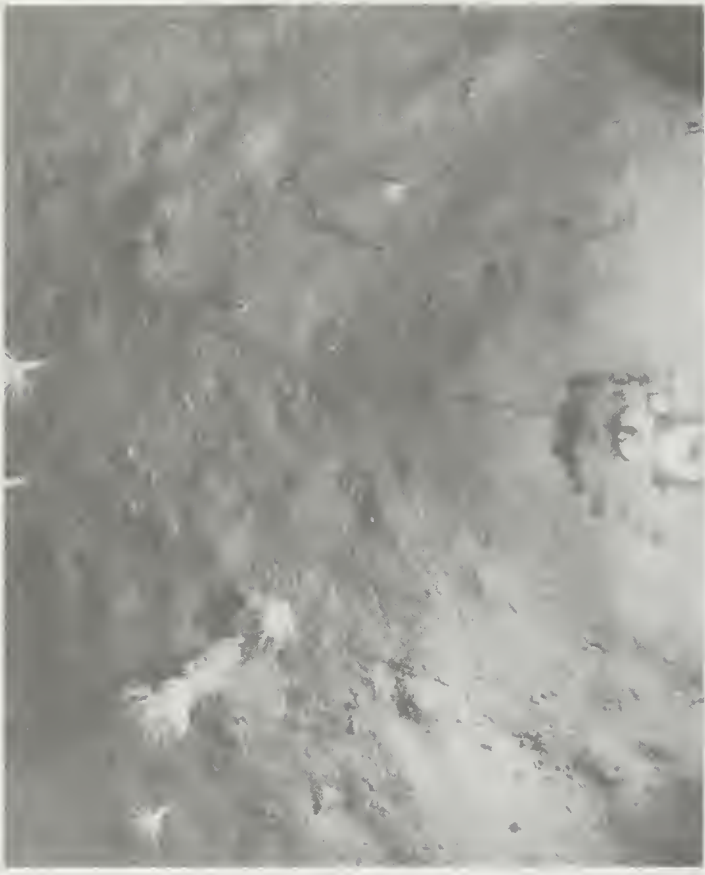
Cruise 47 Cam Stn 7 1041 Meters Frame 18



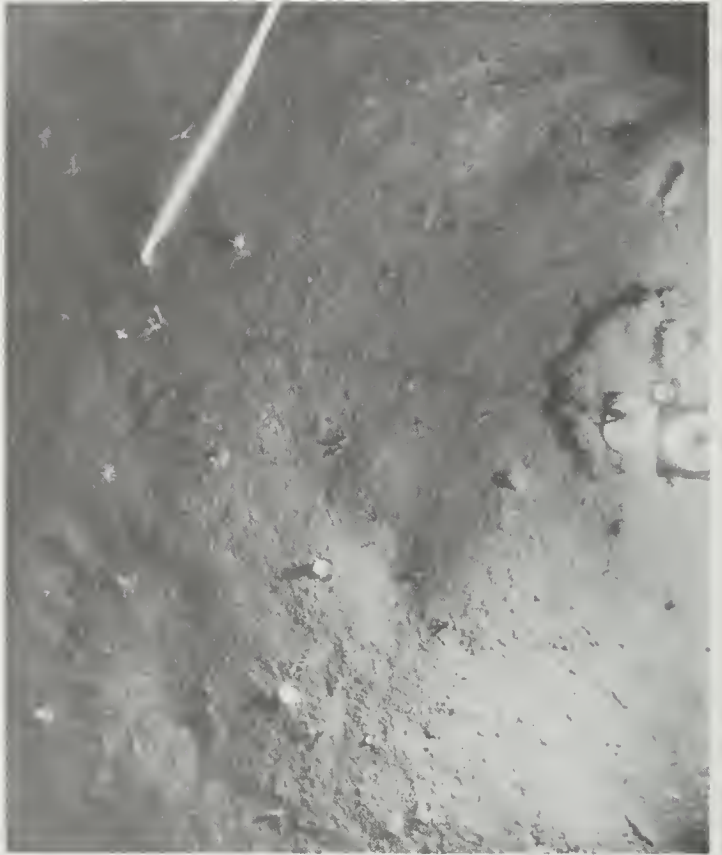
Cruise 47 Cam Stn 8 1483 Meters Frame 10



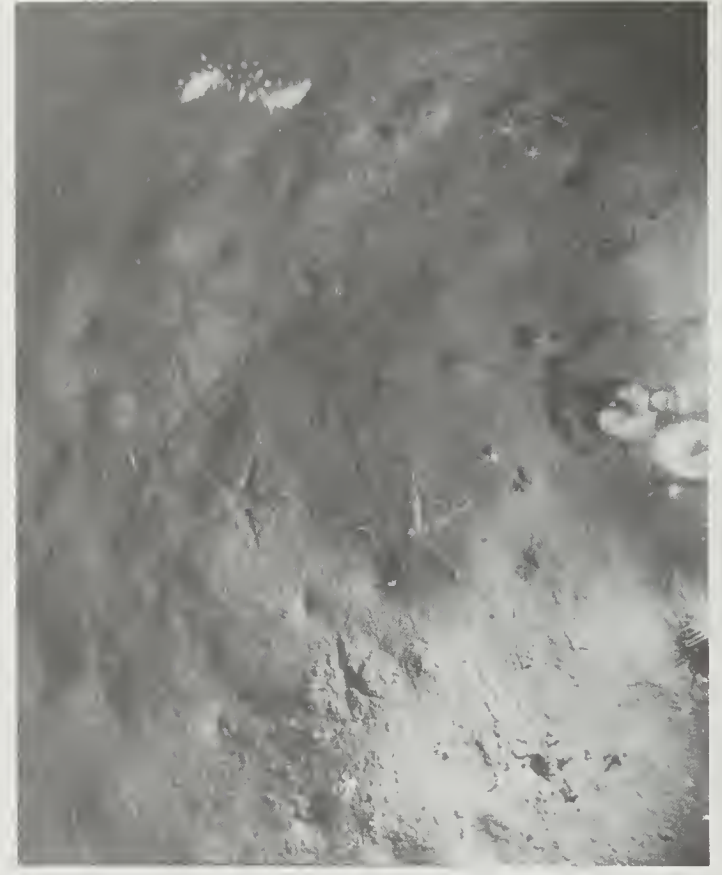
Cruise 47 Cam Stn 8 1483 Meters Frame 16



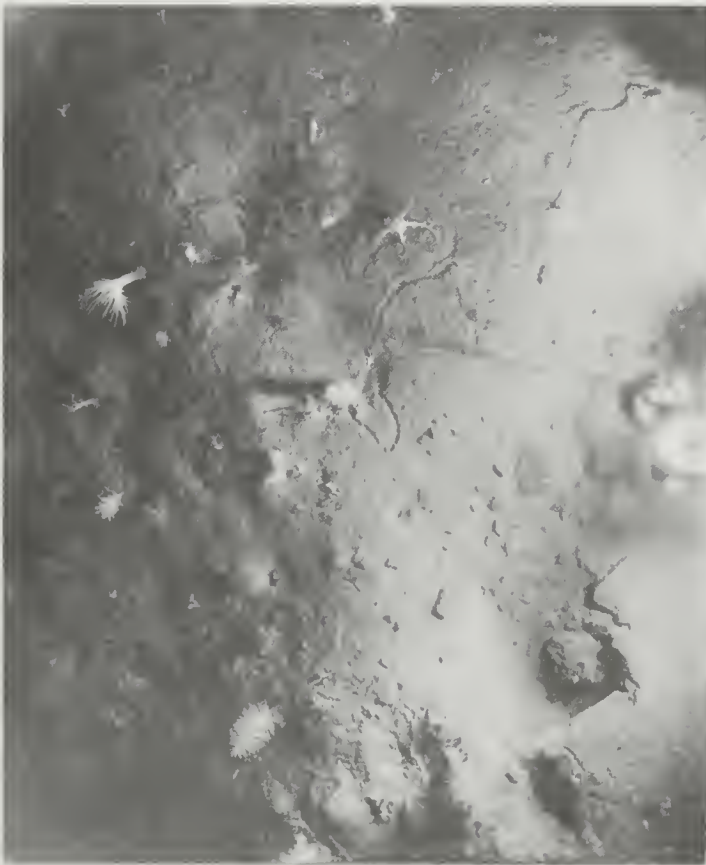
Cruise 47 Cam Stn 9 311 Meters Frame 4



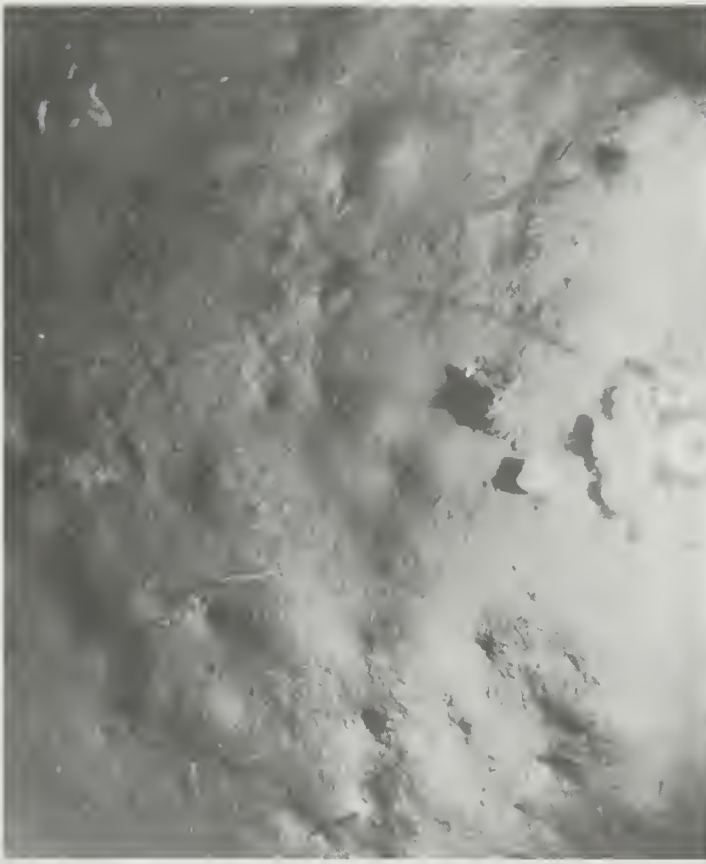
Cruise 47 Cam Stn 9 311 Meters Frame 6



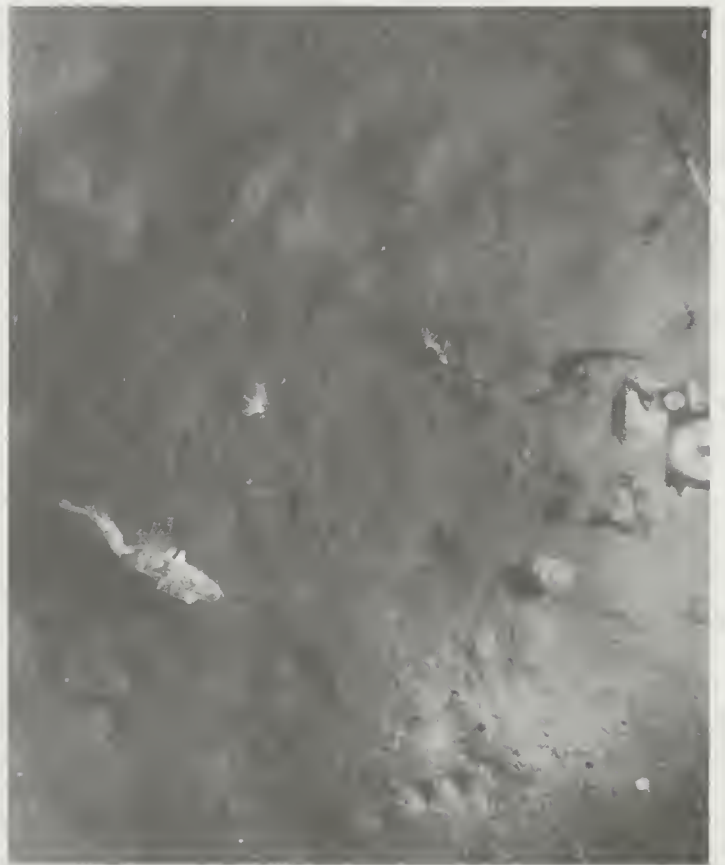
Cruise 47 Cam Stn 9 311 Meters Frame 8



Cruise 47 Cam Stn 9 311 Meters Frame 9



Cruise 47 Cam Stn 9 311 Meters Frame 12



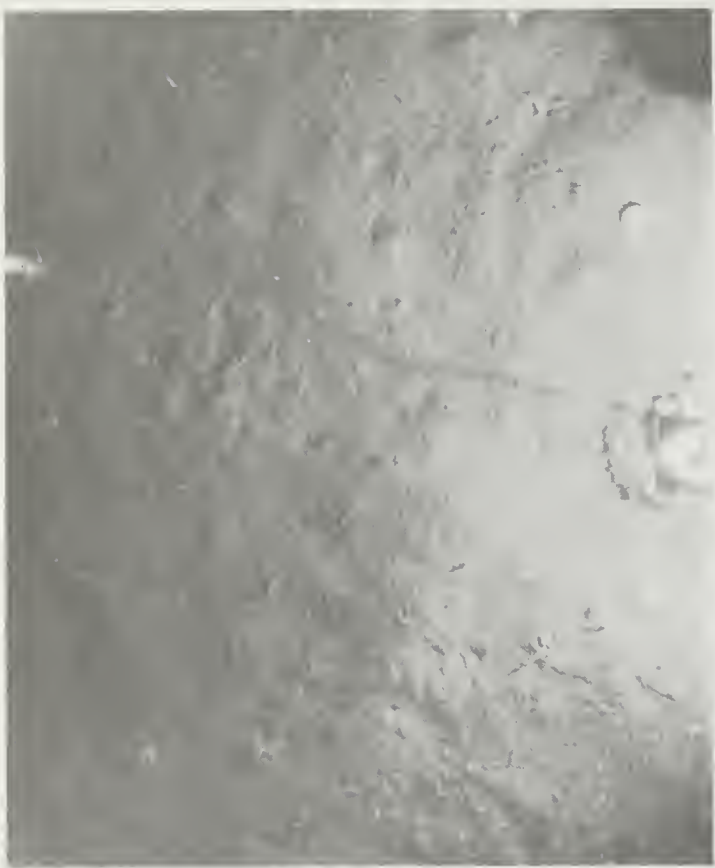
Cruise 47 Cam Stn 9 311 Meters Frame 13



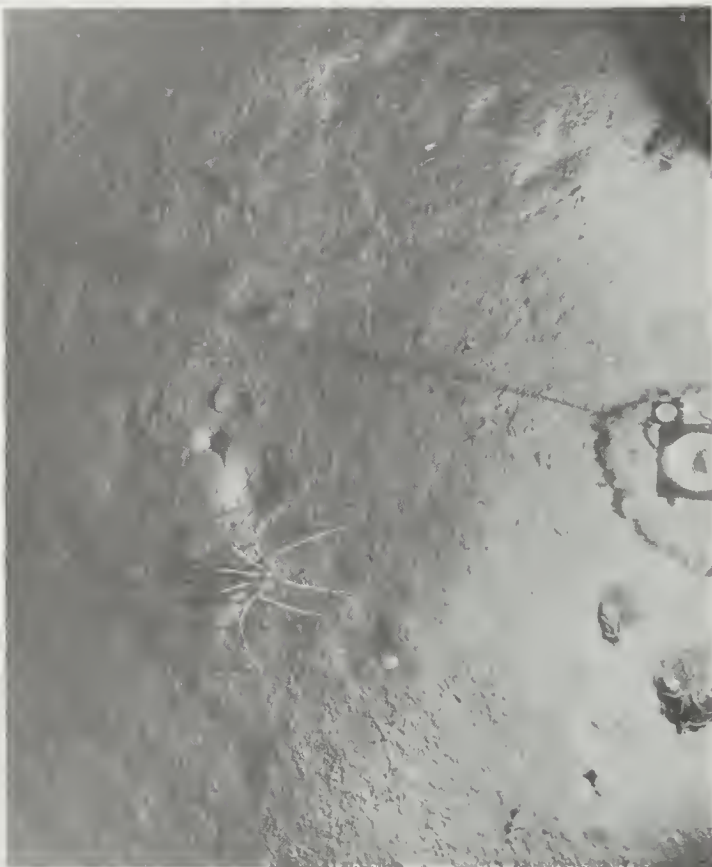
Cruise 47 Cam Stn 9 311 Meters Frame 16



Cruise 47 Cam Stn 9 311 Meters Frame 18



Cruise 47 Cam Stn 9 311 Meters Frame 22



Cruise 47 Cam Stn 10 2528 Meters Frame 13



Cruise 47 Cam Stn 10 2528 Meters Frame 17



Cruise 47 Cam Stn 10 2528 Meters Frame 22



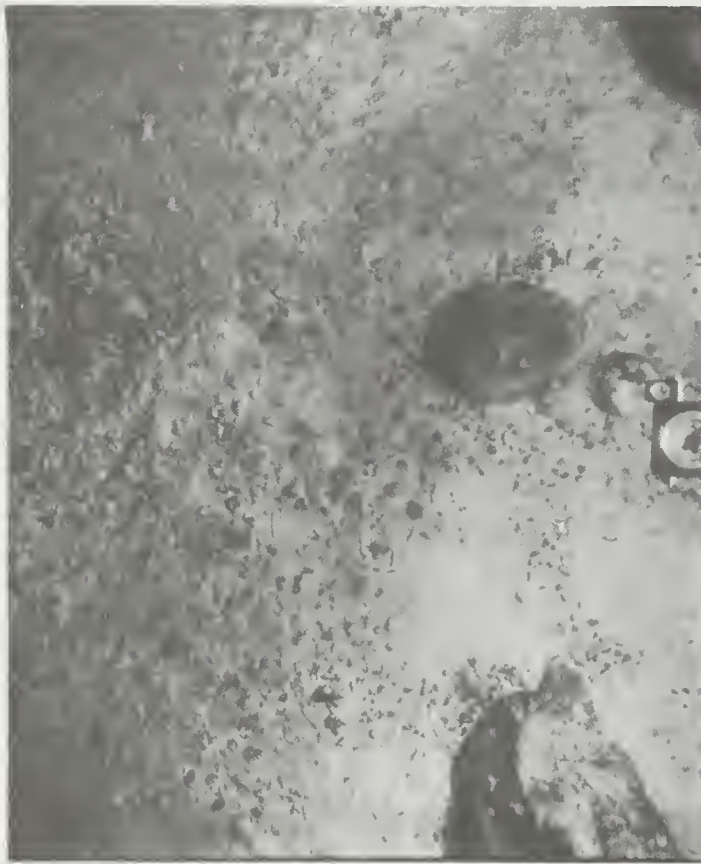
Cruise 47 Cam Stn 11 3659 Meters Frame 5



Cruise 47 Cam Stn 11 3659 Meters Frame 15



Cruise 47 Cam Stn 11 3659 Meters Frame 16



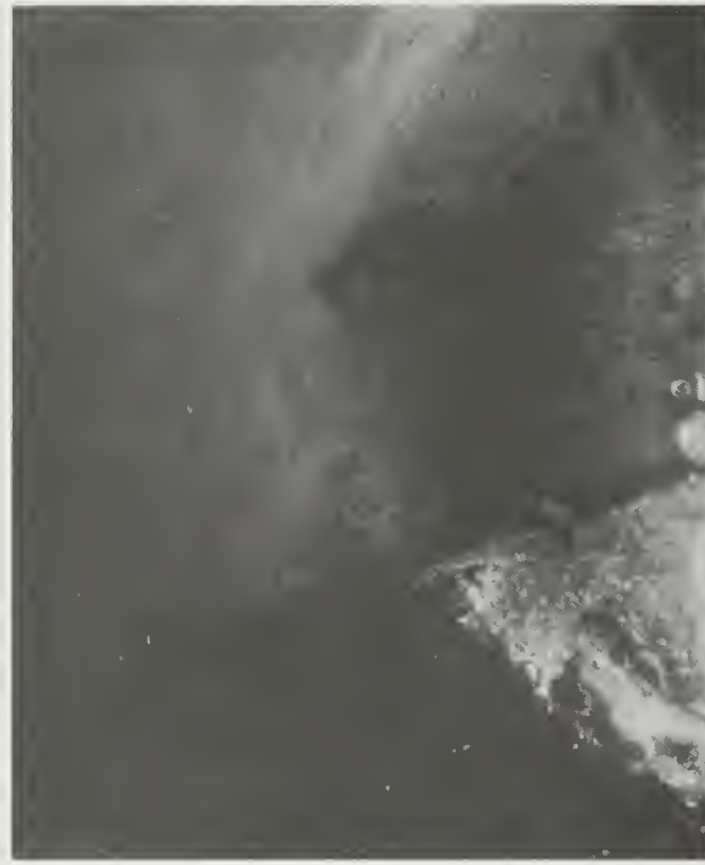
Cruise 47 Cam Stn 12 2633 Meters Frame 13



Cruise 47 Cam Stn 12 2633 Meters Frame 20



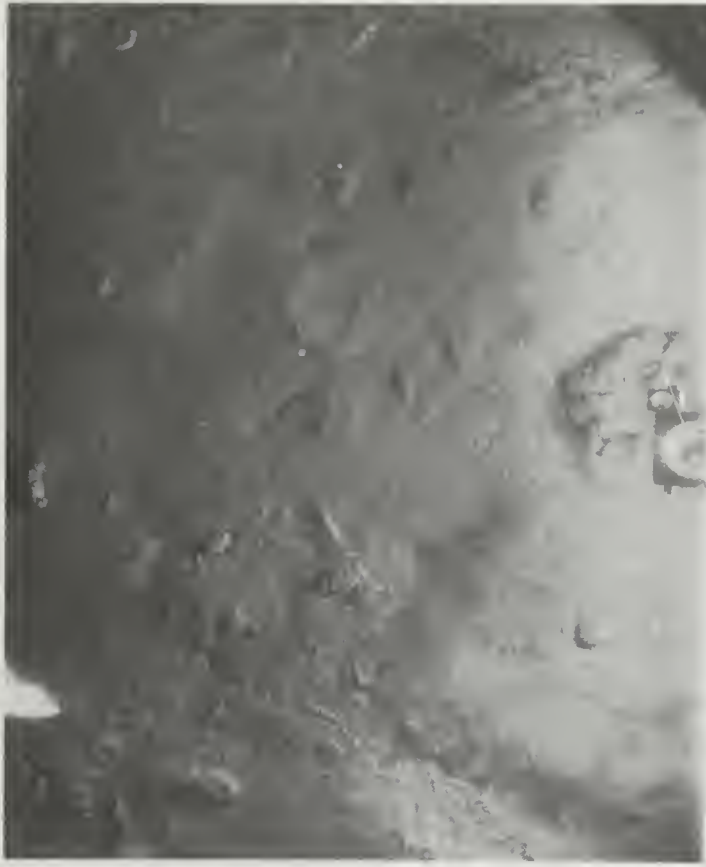
Cruise 47 Cam Stn 13 2809 Meters Frame 3



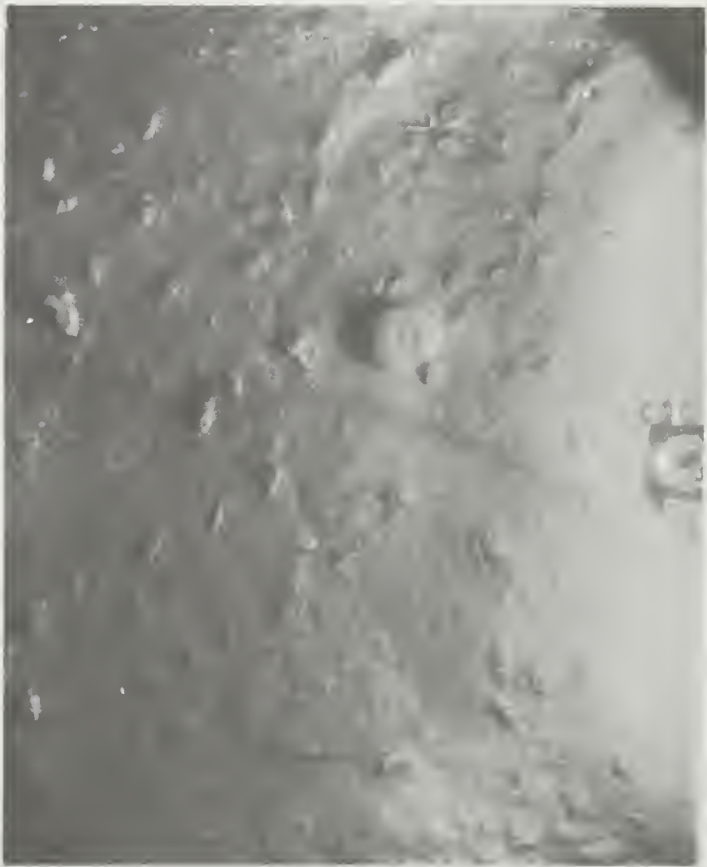
Cruise 47 Cam Stn 13 2809 Meters Frame 9



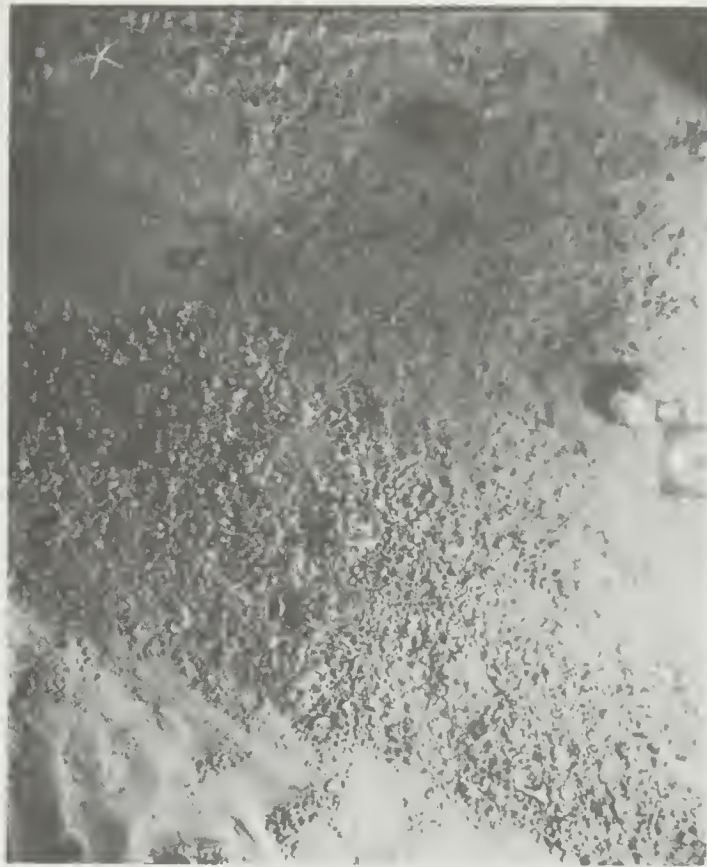
Cruise 47 Cam Stn 13 2809 Meters Frame 17



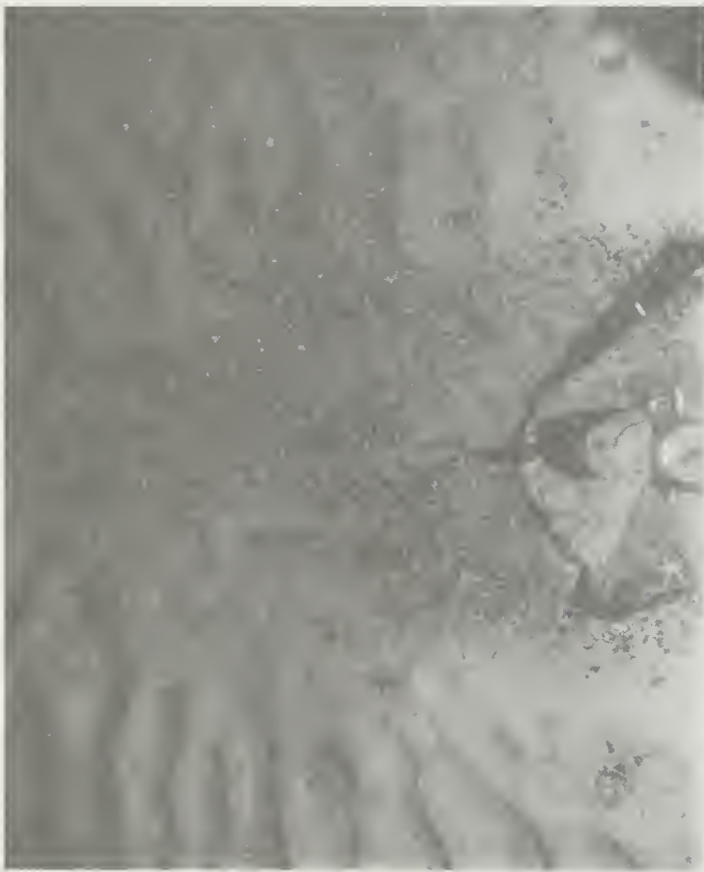
Cruise 47 Cam Stn 14 4165 Meters Frame 5



Cruise 47 Cam Stn 14 4165 Meters Frame 19



Cruise 47 Cam Stn 16 2829 Meters Frame 2



Cruise 47 Cam Stn 16 2829 Meters Frame 4



Cruise 47 Cam Stn 16 2829 Meters Frame 8



Cruise 47 Cam Stn 16 2829 Meters Frame 7



Cruise 47 Cam Stn 16 2829 Meters Frame 9



Cruise 47 Cam Stn 17 4236 Meters Frame 3



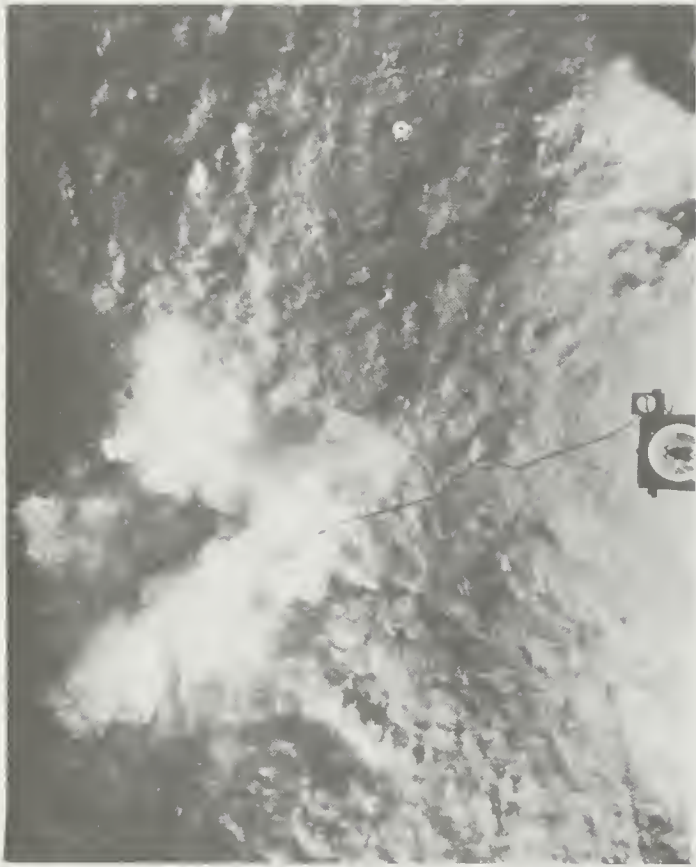
Cruise 47 Cam Stn 17 4236 Meters Frame 16



Cruise 47 Cam Stn 18 2658 Meters Frame 19



Cruise 47 Cam Stn 19 1645 Meters Frame 11



Cruise 47 Cam Stn 19 1645 Meters Frame 12



Cruise 47 Cam Stn 20 3127 Meters Frame 18



Cruise 47 Cam Stn 20 3127 Meters Frame 21



Cruise 47 Cam Stn 20 3127 Meters Frame 23



Cruise 47 Cam Stn 21 4598 Meters Frame 18



Cruise 47 Cam Stn 21 4598 Meters Frame 33



Cruise 47 Cam Stn 22 3215 Meters Frame 11



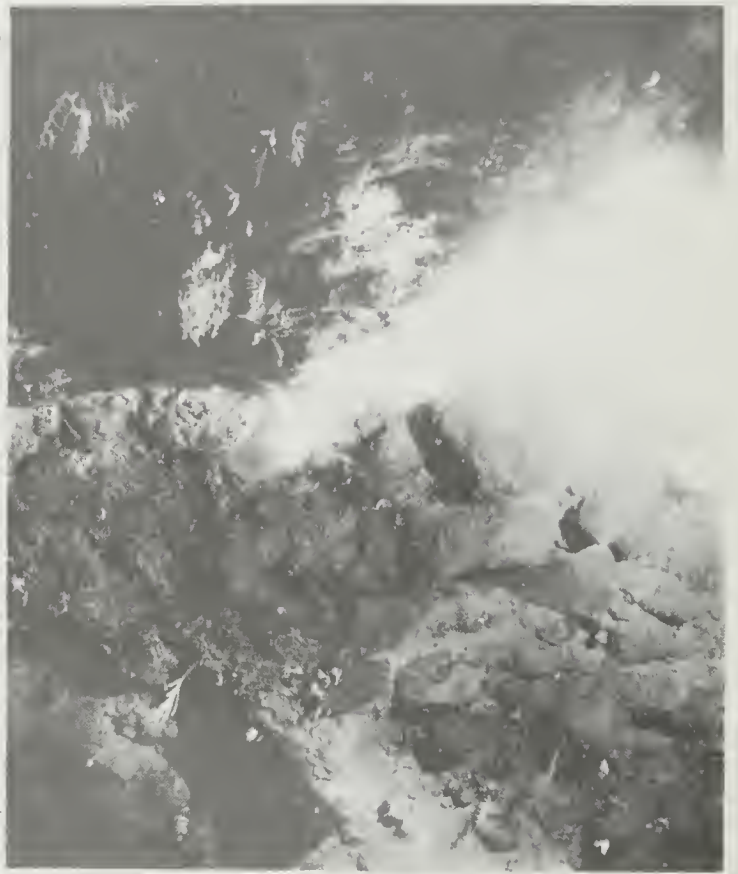
Cruise 47 Cam Stn 22 3215 Meters Frame 15



Cruise 47 Cam Stn 23 1481 Meters Frame 3



Cruise 47 Cam Stn 23 1481 Meters Frame 4



Cruise 47 Cam Stn 23 1481 Meters Frame 6



Cruise 47 Cam Stn 23 1481 Meters Frame 7



Cruise 47

Cam Stn 23

1481 Meters

Frame 21

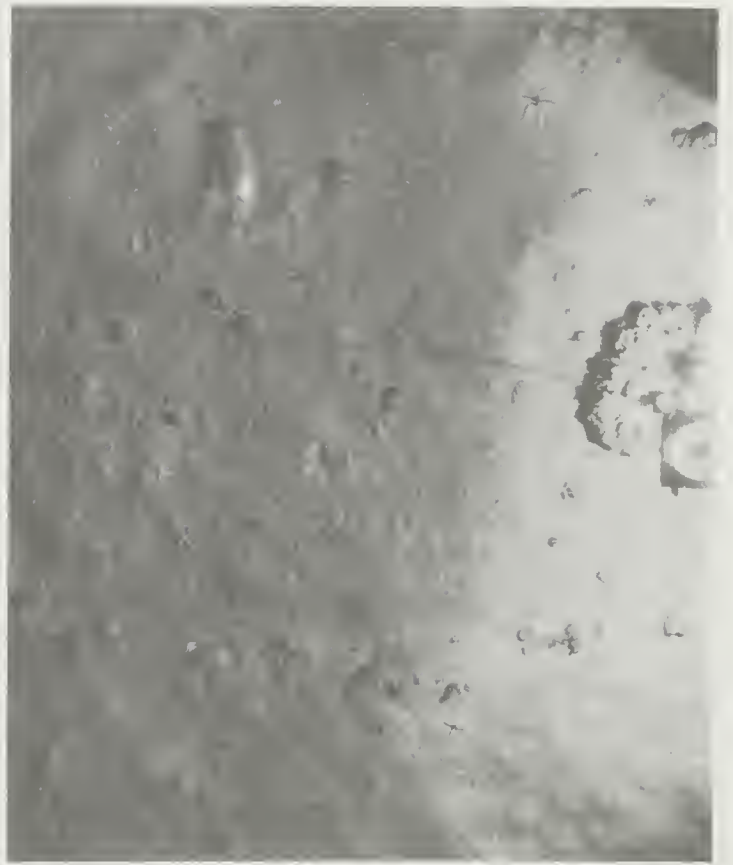


Cruise 47

Cam Stn 24

4703 Meters

Frame 10



Cruise 47

Cam Stn 24

4703 Meters

Frame 17

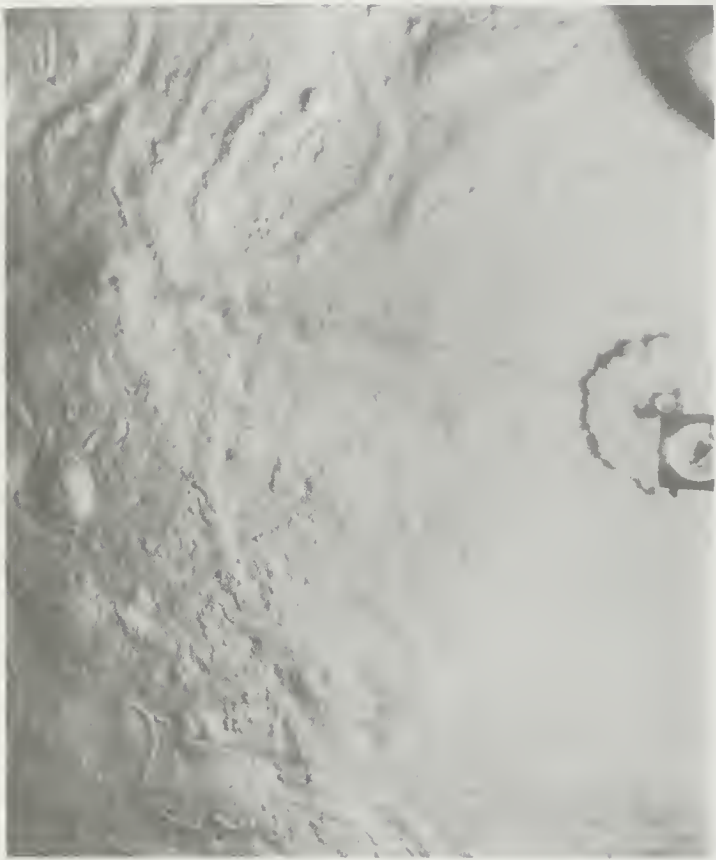


Cruise 48

Cam Stn 1

4059 Meters

Frame 10



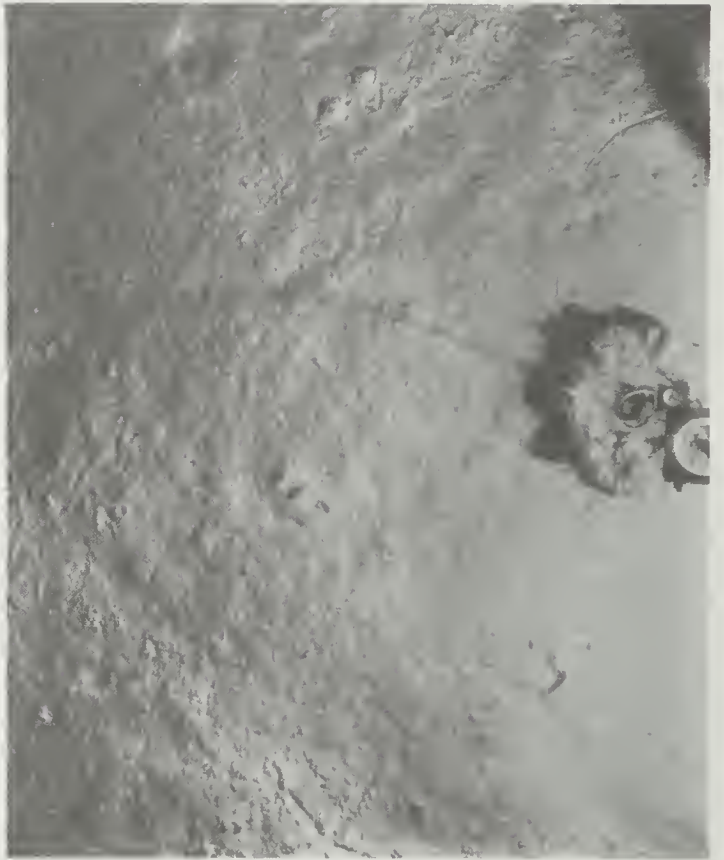
Cruise 48 Cam Stn 1 4059 Meters Frame 11

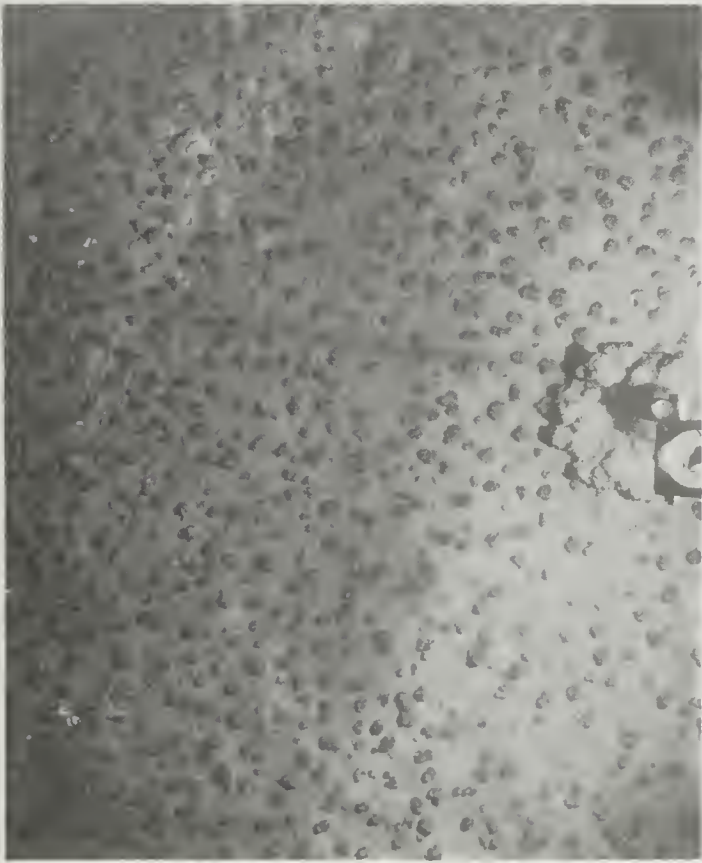
Cruise 48 Cam Stn 2 4225 Meters Frame 10



Cruise 48 Cam Stn 1 4059 Meters Frame 12

Cruise 48 Cam Stn 3 4366 Meters Frame 11

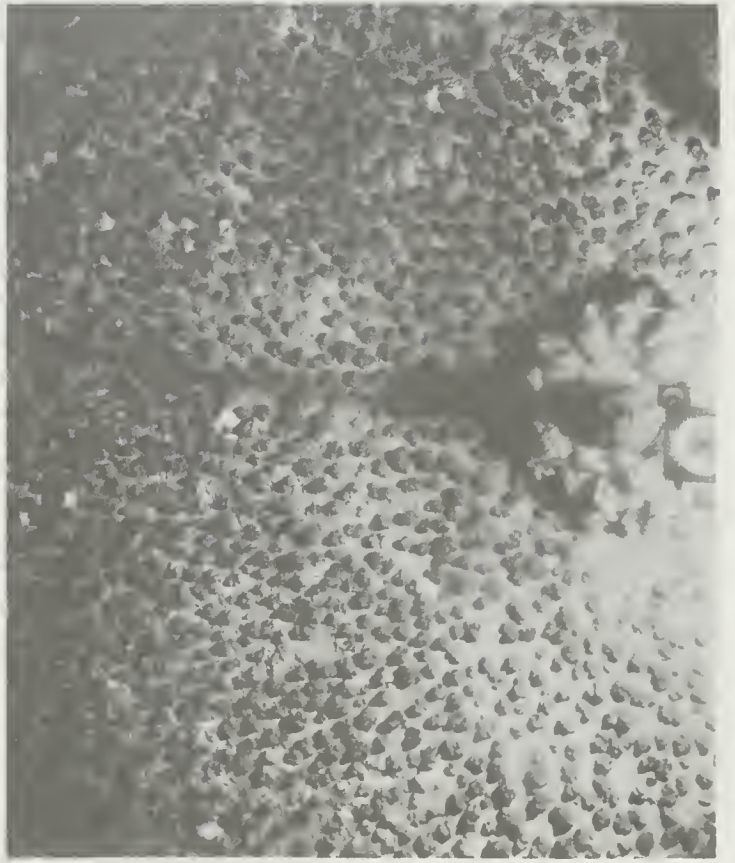




Cruise 48 Cam Stn 3 4366 Meters Frame 23



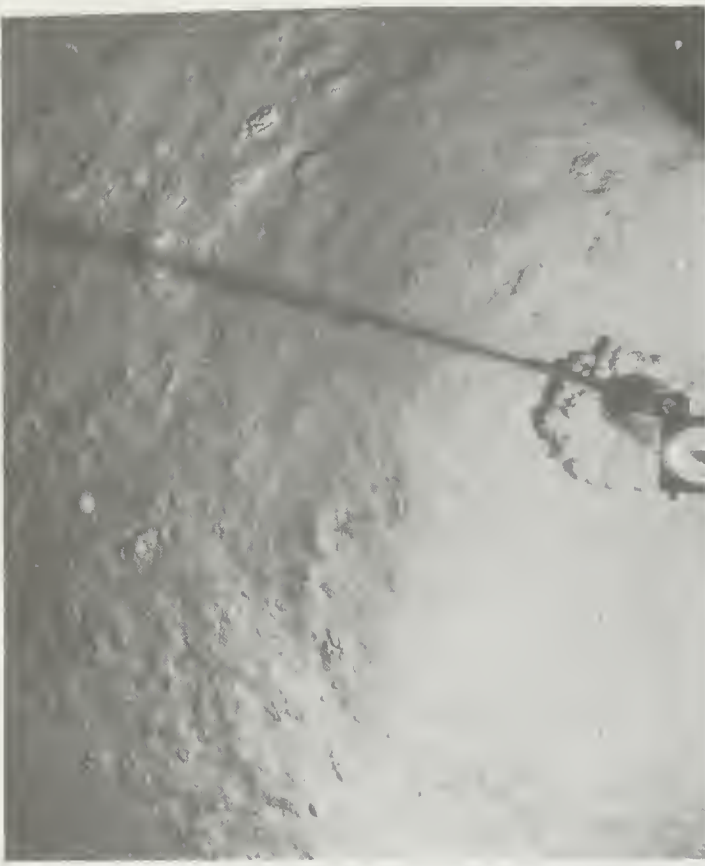
Cruise 48 Cam Stn 4 4390 Meters Frame 4



Cruise 48 Cam Stn 4 4390 Meters Frame 26



Cruise 48 Cam Stn 5 3177 Meters Frame 5



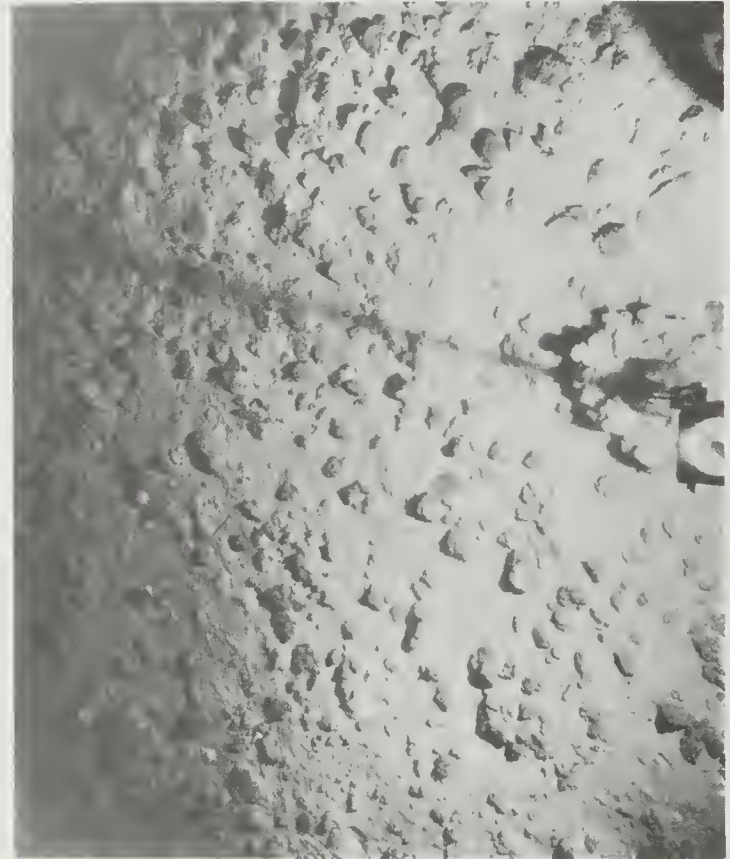
Cruise 48 Cam Stn 6 4011 Meters Frame 20



Cruise 48 Cam Stn 6 4011 Meters Frame 4



Cruise 48 Cam Stn 6 4011 Meters Frame 23



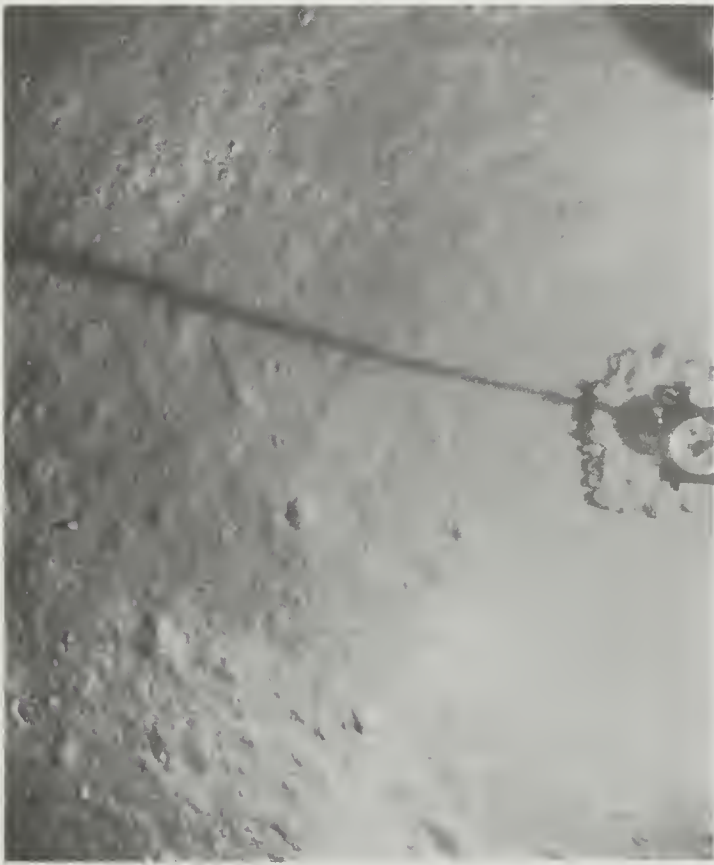
Cruise 48 Cam Stn 6 4011 Meters Frame 21



Cruise 48 Cam Stn 7 3440 Meters Frame 11



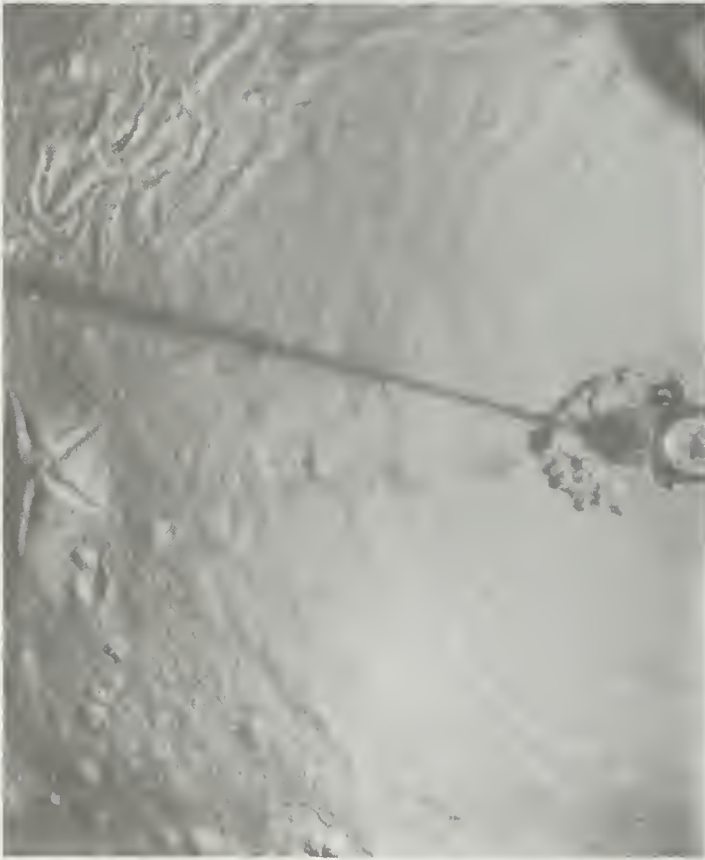
Cruise 48 Cam Stn 8 3711 Meters Frame 5



Cruise 48 Cam Stn 7 3440 Meters Frame 2



Cruise 48 Cam Stn 7 3440 Meters Frame 16



Cruise 48

Cam Stn 8

3711 Meters

Frame 7



Cruise 48

Cam Stn 9

3396 Meters

Frame 10



Cruise 48

Cam Stn 9

3396 Meters

Frame 12



Cruise 48

Cam Stn 9

3396 Meters

Frame 20



Cruise 48

Cam Stn 9

3396 Meters

Frame 21



Cruise 48

Cam Stn 10

3536 Meters

Frame 3



Cruise 48

Cam Stn 10

3536 Meters

Frame 4



Cruise 48

Cam Stn 10

3536 Meters

Frame 7



Cruise 48 Cam Stn 11 3320 Meters Frame 2



Cruise 48 Cam Stn 11 3320 Meters Frame 5



Cruise 48 Cam Stn 11 3320 Meters Frame 13



Cruise 48 Cam Stn 11 3320 Meters Frame 18



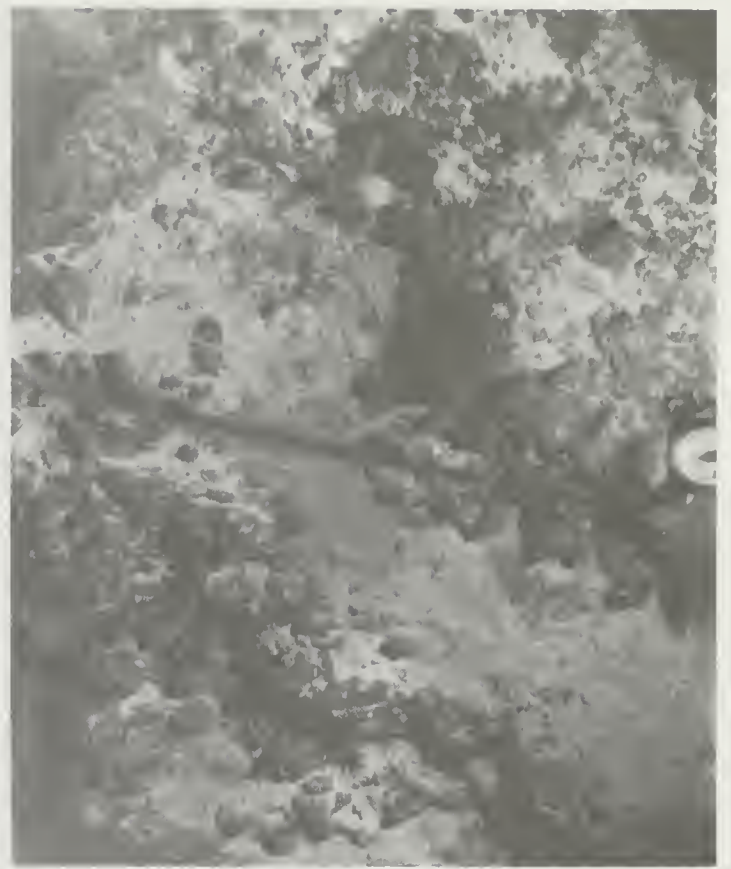
Cruise 48 Cam Stn 12 2143 Meters Frame 5



Cruise 48 Cam Stn 12 2143 Meters Frame 8



Cruise 48 Cam Stn 13 2320 Meters Frame 1



Cruise 48 Cam Stn 13 2320 Meters Frame 3



Cruise 48 Cam Stn 14 3777 Meters Frame 2



Cruise 48 Cam Stn 15 4242 Meters Frame 2



Cruise 48 Cam Stn 15 4242 Meters Frame 8



Cruise 48 Cam Stn 15 4242 Meters Frame 23



Cruise 48 Cam Stn 16 3920 Meters Frame 6



Cruise 48 Cam Stn 16 3920 Meters Frame 23



Cruise 48 Cam Stn 17 4354 Meters Frame 15



Cruise 48 Cam Stn 17 4354 Meters Frame 16



Cruise 48 Cam Stn 18 2984 Meters Frame 2



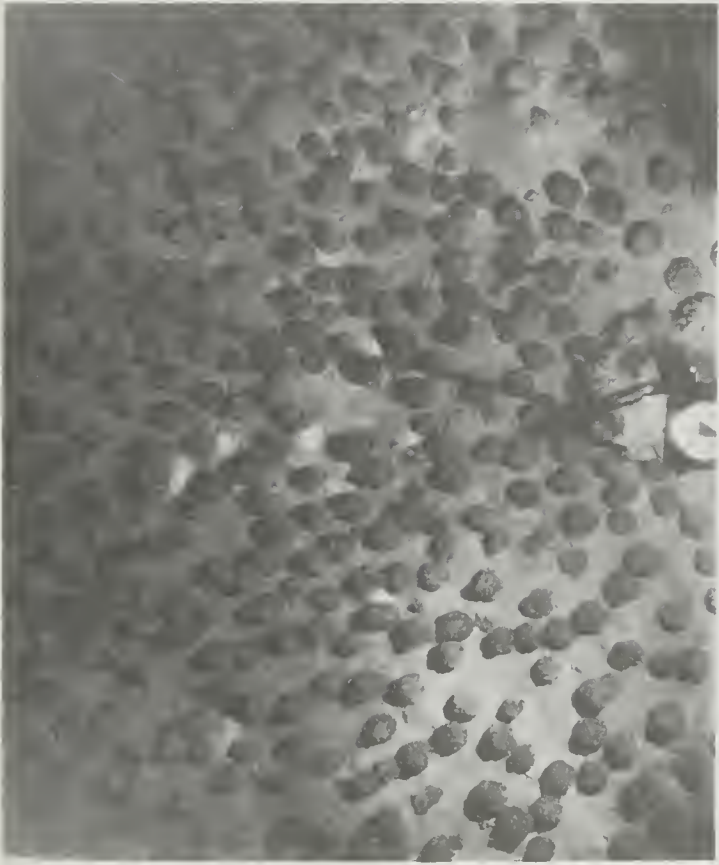
Cruise 48 Cam Stn 18 2984 Meters Frame 14



Cruise 48 Cam Stn 17 4354 Meters Frame 21



Cruise 48 Cam Stn 18 2984 Meters Frame 10



Cruise 48 Cam Stn 19 4538 Meters Frame 2



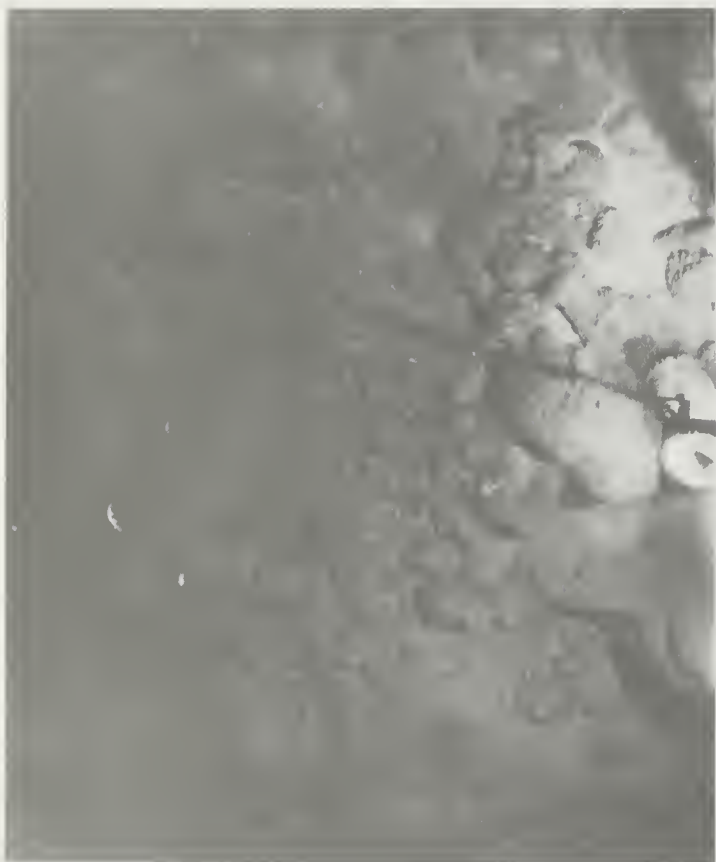
Cruise 48 Cam Stn 19 4538 Meters Frame 8



Cruise 48 Cam Stn 19 4538 Meters Frame 17



Cruise 48 Cam Stn 19 4538 Meters Frame 18



Cruise 48

Cam Stn 19

4538 Meters

Frame 21



Cruise 48

Cam Stn 20

5325 Meters

Frame 11



Cruise 48

Cam Stn 20

5325 Meters

Frame 16



Cruise 48

Cam Stn 20

5325 Meters

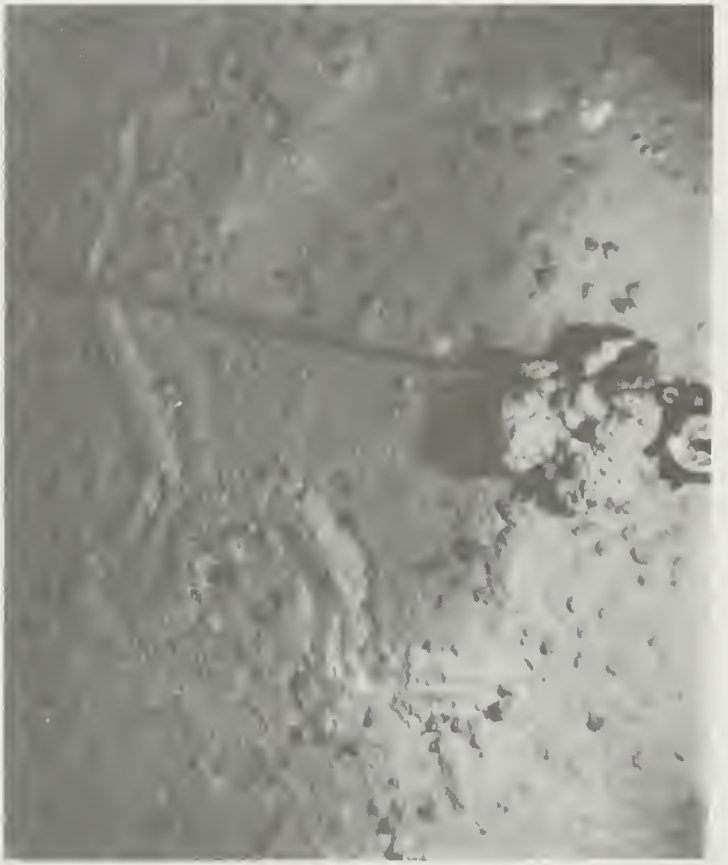
Frame 22



Cruise 49 Cam Stn 1 4707 Meters Frame 5



Cruise 49 Cam Stn 1 4707 Meters Frame 6



Cruise 49 Cam Stn 2 4390 Meters Frame 9



Cruise 49 Cam Stn 3 4143 Meters Frame 6



Cruise 49 Cam Stn 3 4143 Meters Frame 11



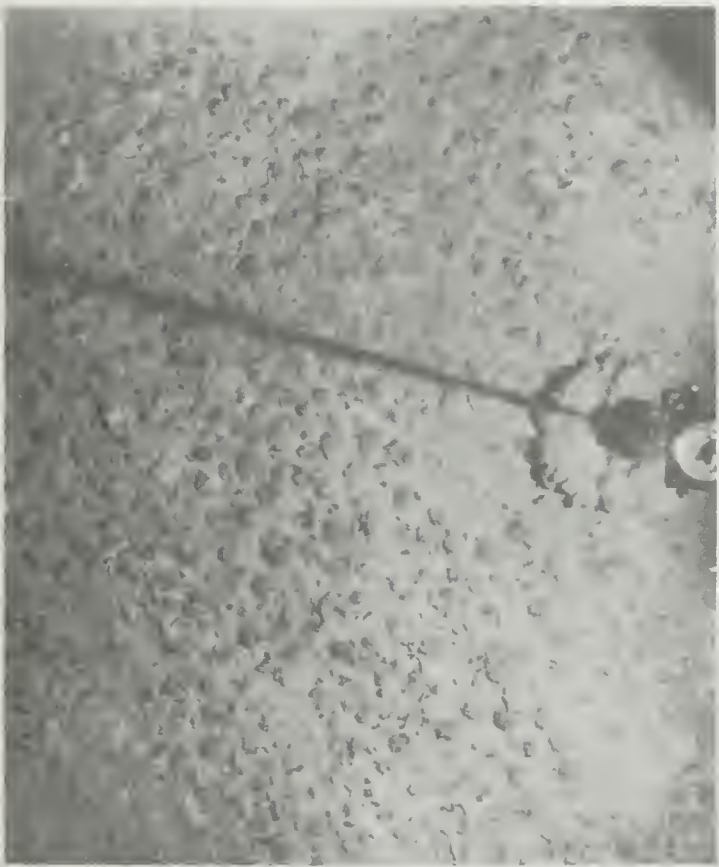
Cruise 49 Cam Stn 3 4143 Meters Frame 16



Cruise 49 Cam Stn 4 3558 Meters Frame 15



Cruise 49 Cam Stn 4 3558 Meters Frame 21



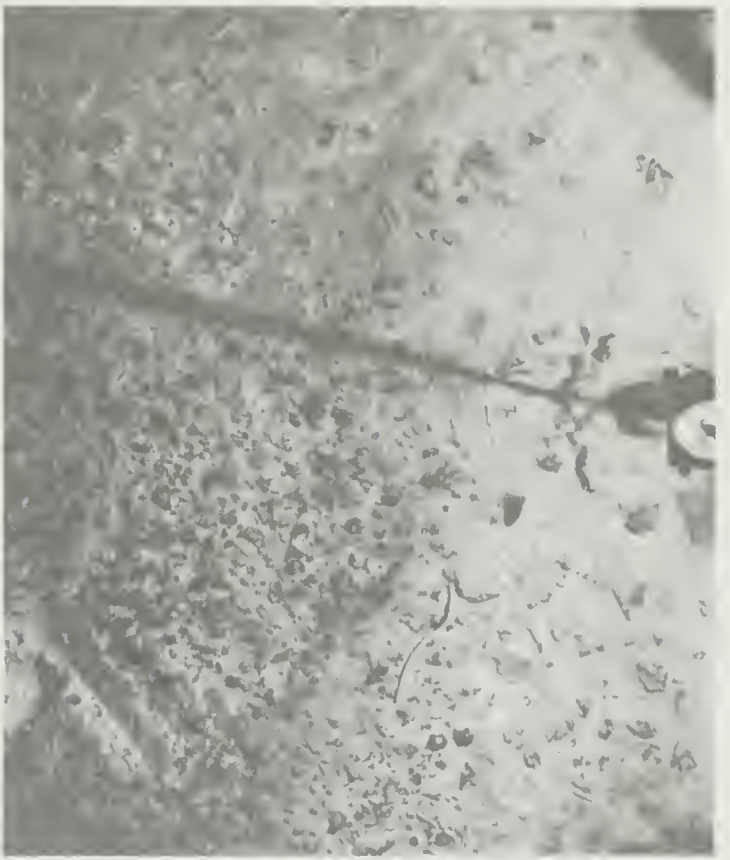
Cruise 49 Cam Stn 5 3497 Meters Frame 1



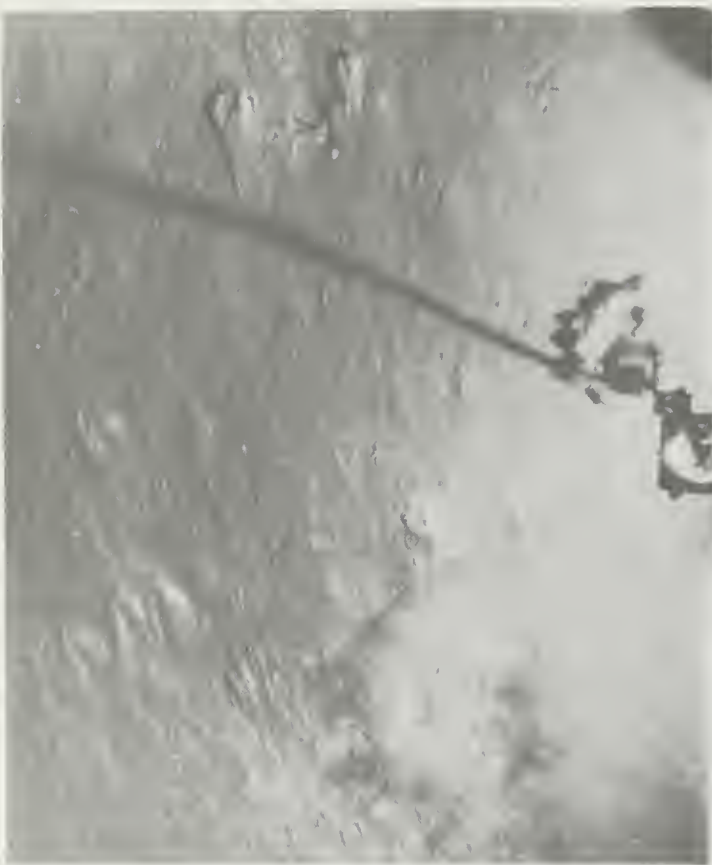
Cruise 49 Cam Stn 5 3497 Meters Frame 6



Cruise 49 Cam Stn 6 3364 Meters Frame 3



Cruise 49 Cam Stn 6 3364 Meters Frame 4

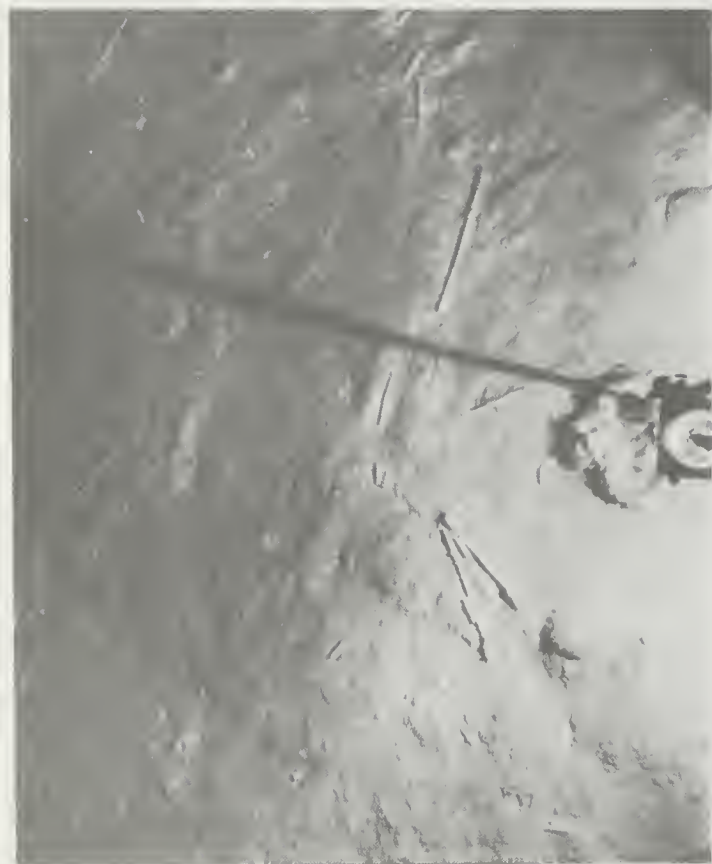


Cruise 49

Cam Stn 7

3687 Meters

Frame 1

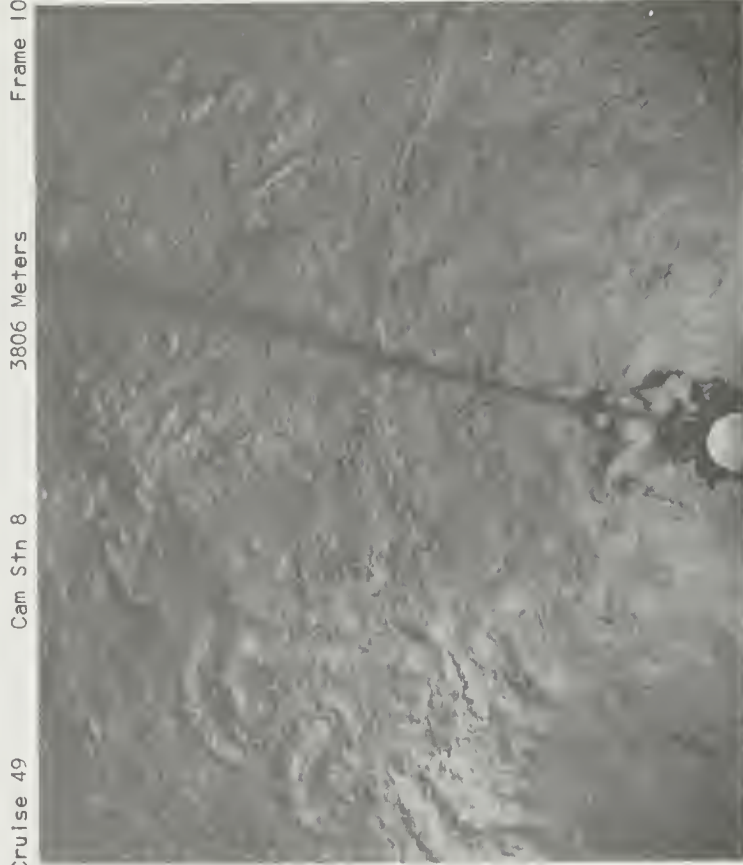


Cruise 49

Cam Stn 6

3364 Meters

Frame 9



Cruise 49

Cam Stn 8

3806 Meters

Frame 10



Cruise 49

Cam Stn 7

3687 Meters

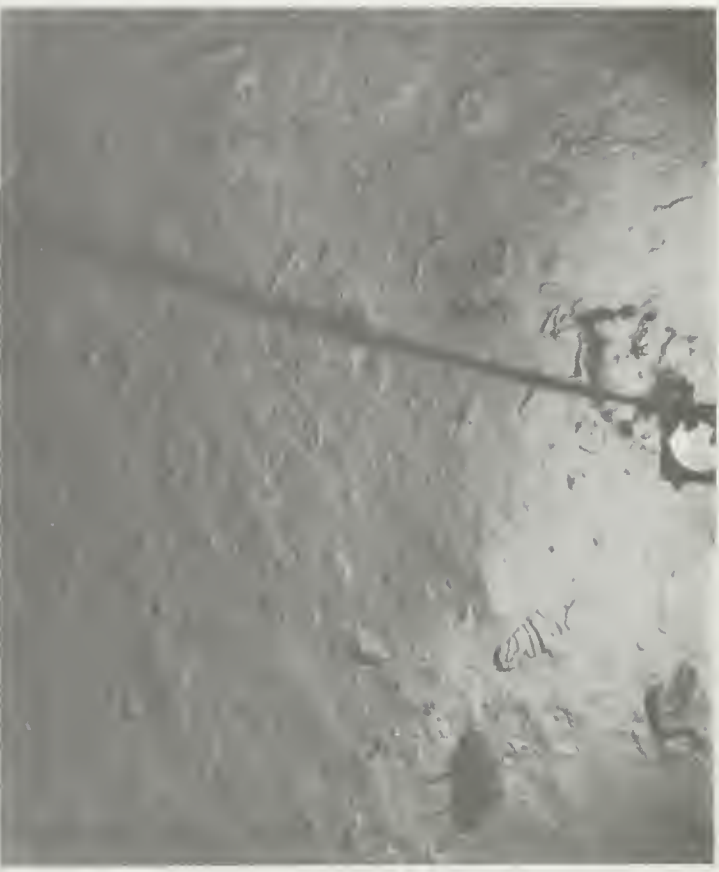
Frame 15



Cruise 49 Cam Stn 8 3806 Meters Frame 23



Cruise 49 Cam Stn 9 4401 Meters Frame 7



Cruise 49 Cam Stn 9 4401 Meters Frame 10



Cruise 49 Cam Stn 10 4454 Meters Frame 8



Cruise 49 Cam Stn 10 4454 Meters Frame 10



Cruise 49 Cam Stn 10 4454 Meters Frame 17



Cruise 49 Cam Stn 11 4379 Meters Frame 15



Cruise 49 Cam Stn 12 4560 Meters Frame 2



Cruise 49 Cam Stn 12 4560 Meters Frame 12



Cruise 49 Cam Stn 13 4705 Meters Frame 16



Cruise 49 Cam Stn 13 4705 Meters Frame 17



Cruise 49 Cam Stn 13 4705 Meters Frame 22



Cruise 49 Cam Stn 14 4134 Meters Frame 2



Cruise 49 Cam Stn 14 4134 Meters Frame 3



Cruise 49 Cam Stn 14 4134 Meters Frame 10



Cruise 49 Cam Stn 14 4134 Meters Frame 17



Cruise 49 Cam Stn 14 4134 Meters Frame



Cruise 49 Cam Stn 15 4128 Meters Frame 16



Cruise 49 Cam Stn 15 4128 Meters Fram



Cruise 49 Cam Stn 16 3698 Meters Frame 9



Cruise 49

Cam Stn 16

3698 Meters

Frame 14



Cruise 49

Cam Stn 17

3133 Meters

Frame 2



Cruise 49

Cam Stn 17

3133 Meters

Frame 12



Cruise 49

Cam Stn 18

3590 Meters

Frame 11



Cruise 49

Cam Stn 18

3590 Meters

Frame 16



Cruise 49

Cam Stn 19

3343 Meters

Frame 16



Cruise 49

Cam Stn 20

2787 Meters

Frame 11



Cruise 49

Cam Stn 20

2787 Meters

Frame 21



Cruise 49 Cam Stn 21 3460 Meters Frame 12



Cruise 49 Cam Stn 21 3460 Meters Frame 14



Cruise 49 Cam Stn 21 3460 Meters Frame 19



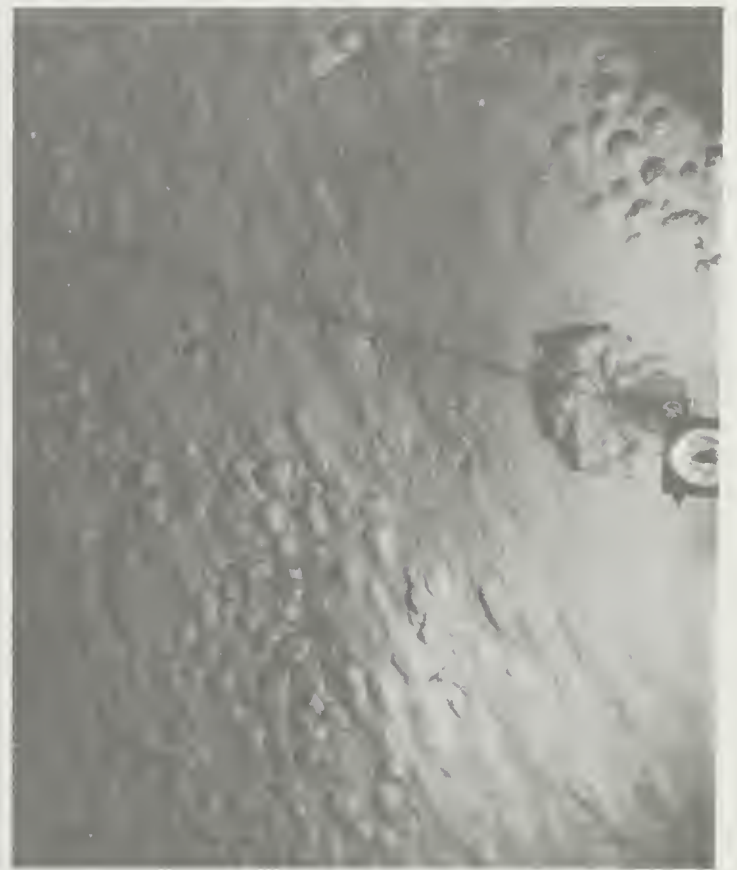
Cruise 49 Cam Stn 22 3526 Meters Frame 4



Cruise 49 Cam Stn 22 3526 Meters Frame 19



Cruise 49 Cam Stn 23 3863 Meters Frame 3



Cruise 49 Cam Stn 23 3863 Meters Frame 21



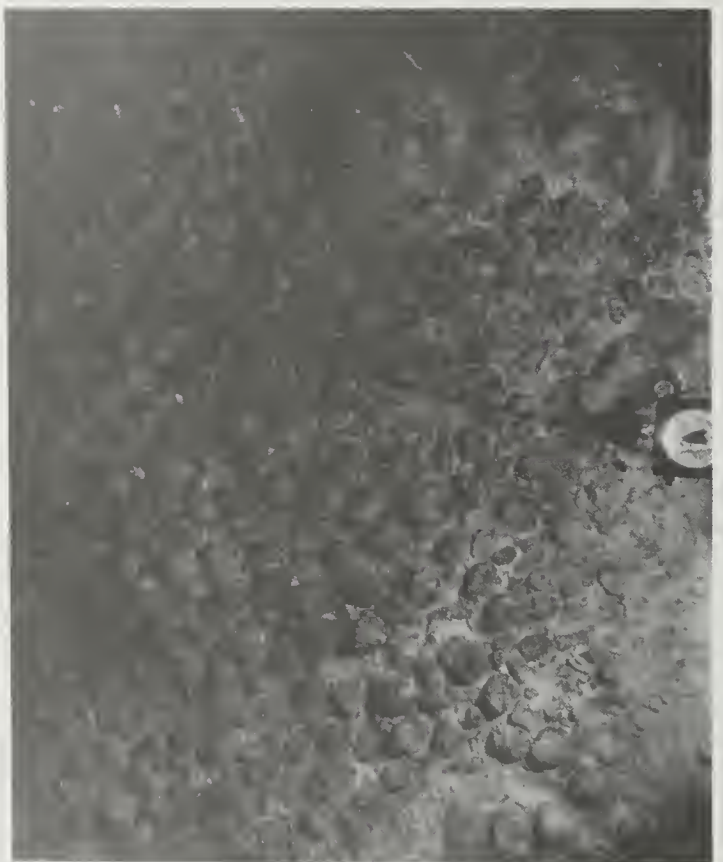
Cruise 49 Cam Stn 24 4654 Meters Frame 2



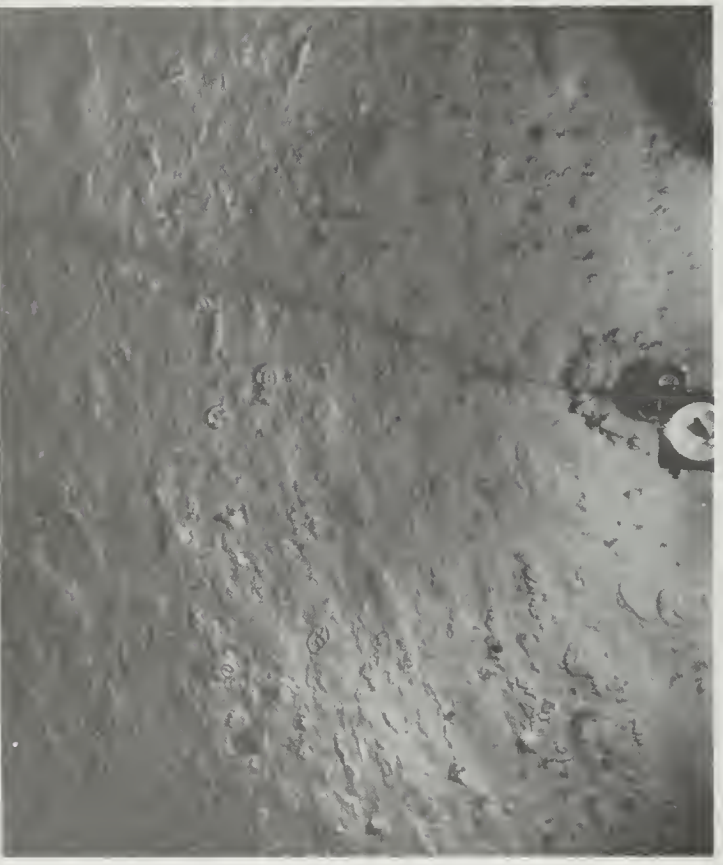
Cruise 49 Cam Stn 24 4654 Meters Frame 5



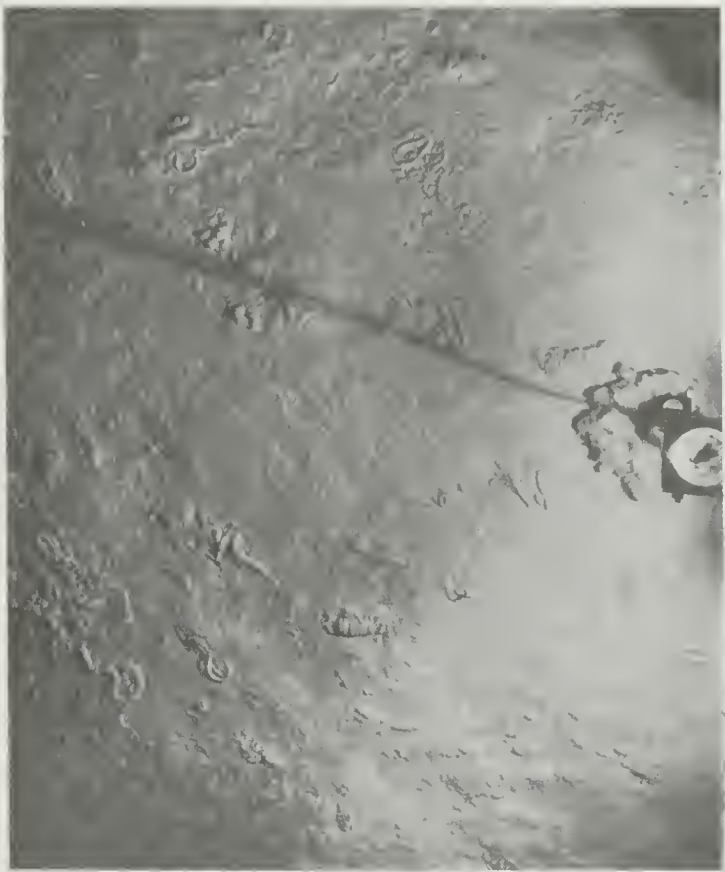
Cruise 49 Cam Stn 24 4654 Meters Frame 14



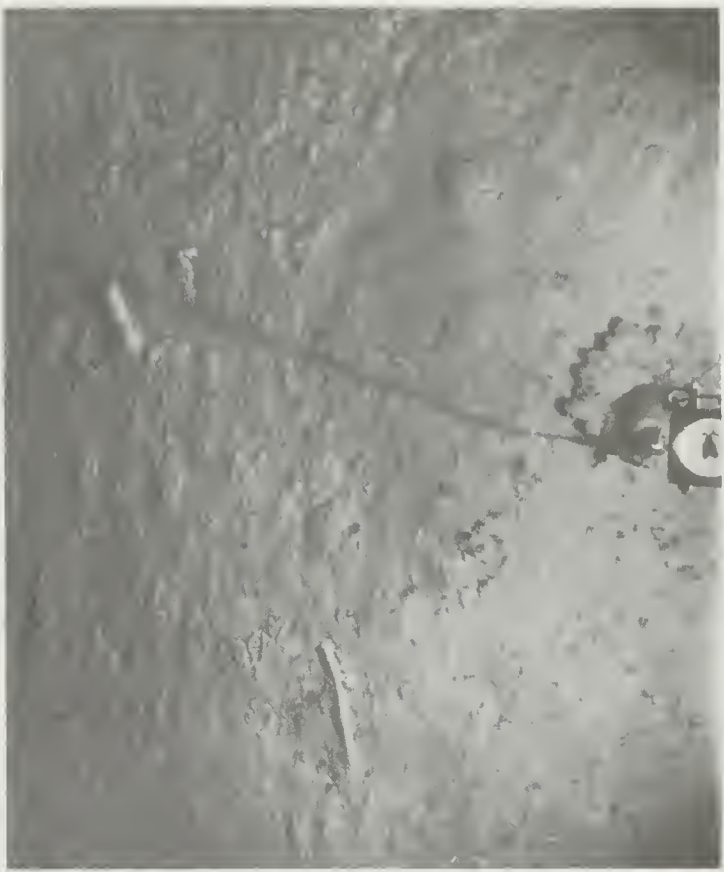
Cruise 49 Cam Stn 24 4654 Meters Frame 16



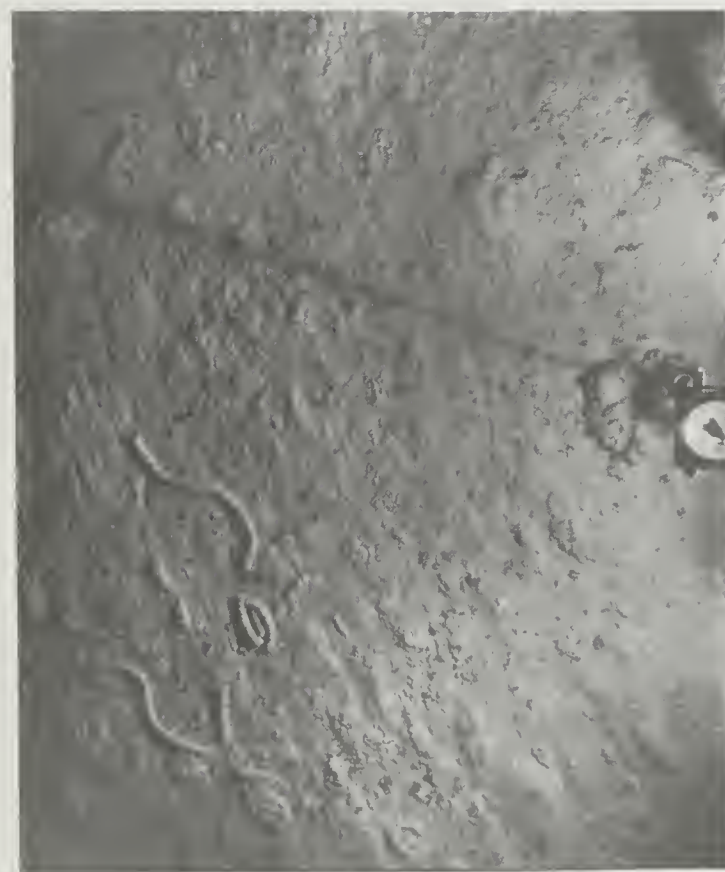
Cruise 49 Cam Stn 25 4260 Meters Frame 3



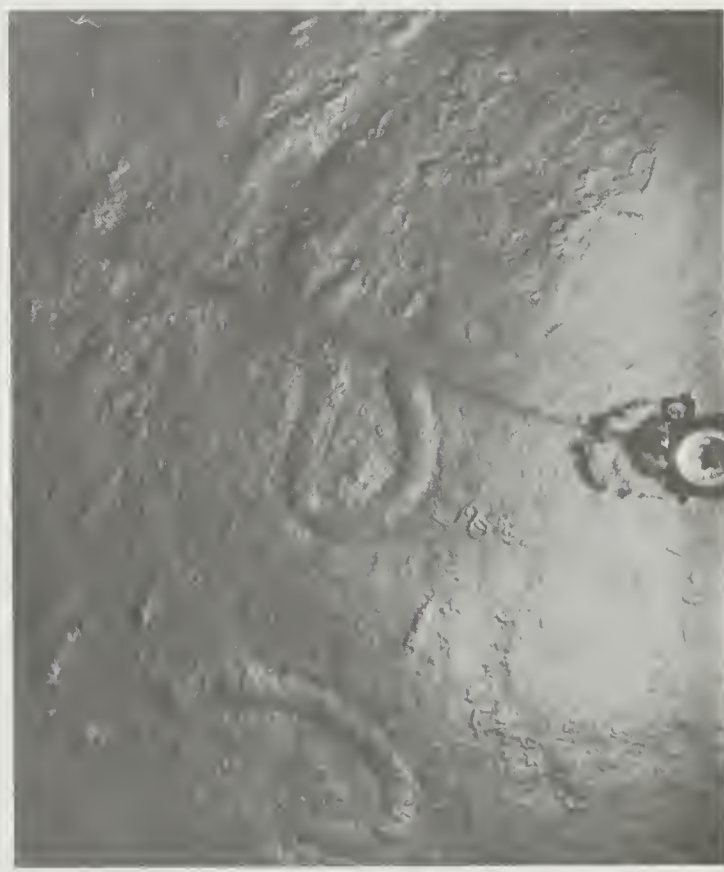
Cruise 49 Cam Stn 26 4346 Meters Frame 1



Cruise 49 Cam Stn 27 4279 Meters Frame 6



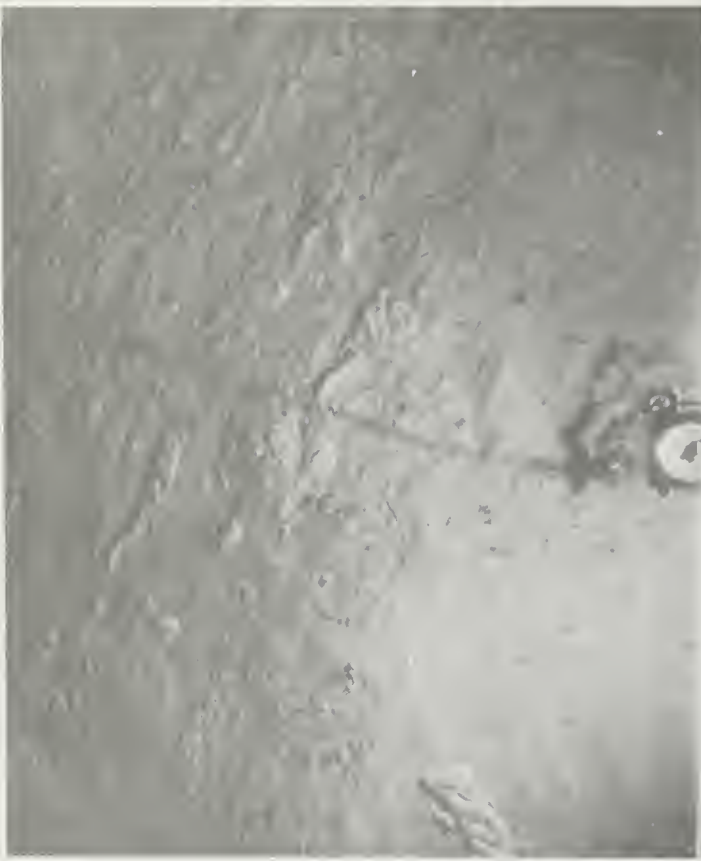
Cruise 49 Cam Stn 25 4260 Meters Frame 10



Cruise 49 Cam Stn 26 4346 Meters Frame 10



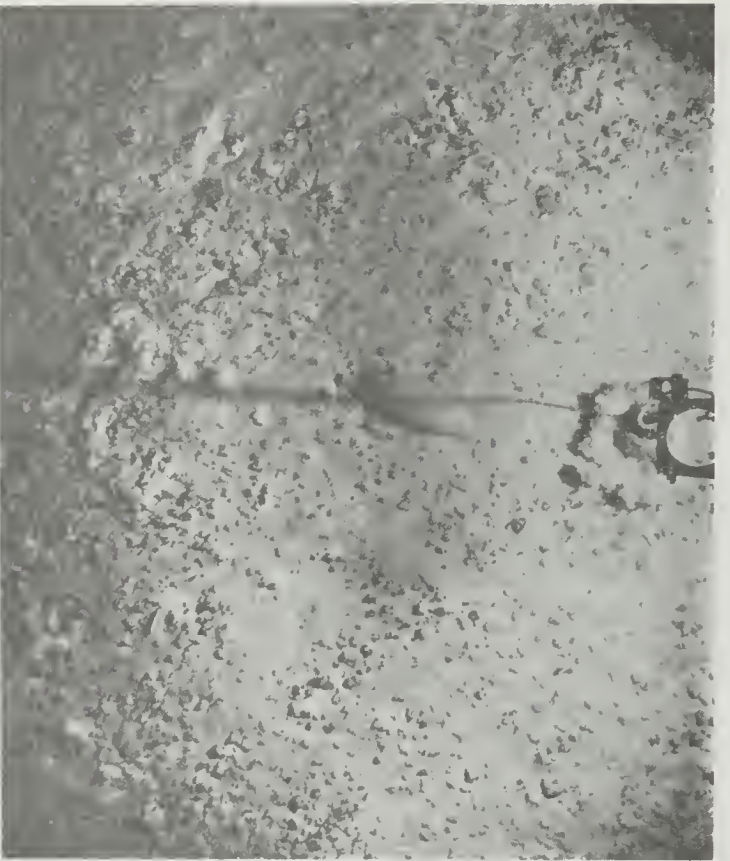
Cruise 49 Cam Stn 27 4279 Meters Frame 7



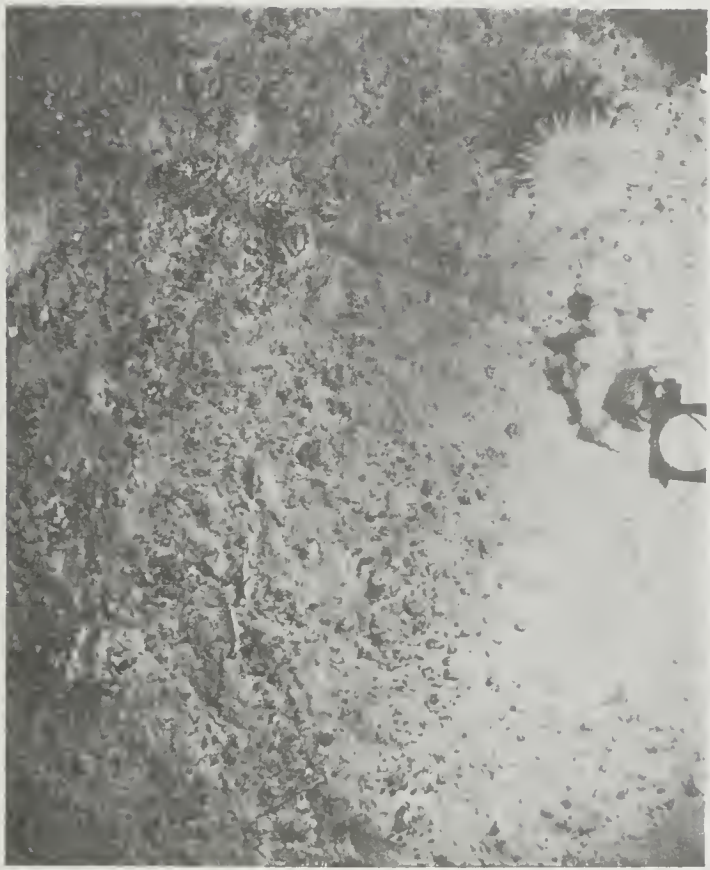
Cruise 49 Cam Stn 27 4279 Meters Frame 11



Cruise 49 Cam Stn 30 3821 Meters Frame 5



Cruise 49 Cam Stn 30 3821 Meters Frame 13



Cruise 49 Cam Stn 30 3821 Meters Frame 18



Cruise 49 Cam Stn 30 3821 Meters Frame 20



Cruise 49 Cam Stn 31 3592 Meters Frame 3



Cruise 49 Cam Stn 31 3592 Meters Frame 10



Cruise 49 Cam Stn 32 3197 Meters Frame 3



Cruise 49 Cam Stn 32 3197 Meters Frame 11



Cruise 49 Cam Stn 33 3000 Meters Frame 3



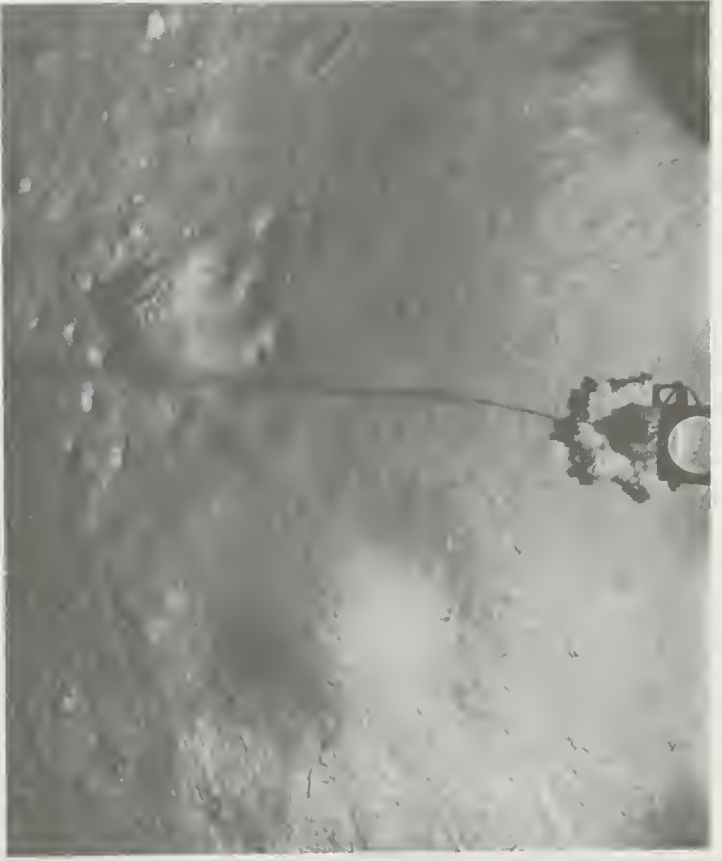
Cruise 49 Cam Stn 33 3000 Meters Frame 18



Cruise 49 Cam Stn 34 3386 Meters Frame 7



Cruise 49 Cam Stn 34 3386 Meters Frame 8



Cruise 49 Cam Stn 34 3386 Meters Frame 16



Cruise 49 Cam Stn 35 3700 Meters Frame 8



Cruise 49 Cam Stn 35 3700 Meters Frame 11



Cruise 49 Cam Stn 35 3700 Meters Frame 18



Cruise 49 Cam Stn 36 4147 Meters Frame 10



Cruise 49 Cam Stn 36 4147 Meters Frame 16



Cruise 49 Cam Stn 37 4301 Meters Frame 13



Cruise 50 Cam Stn 1 6377 Meters Frame 18



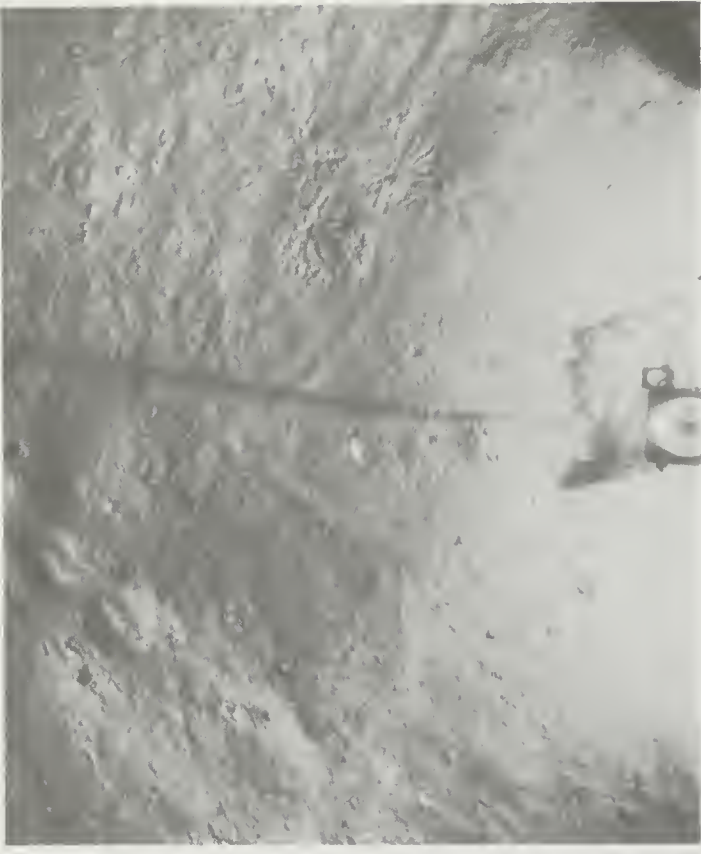
Cruise 49 Cam Stn 37 4301 Meters Frame 16



Cruise 50 Cam Stn 1 6377 Meters Frame 18



Cruise 50 Cam Stn 2 4410 Meters Frame 15



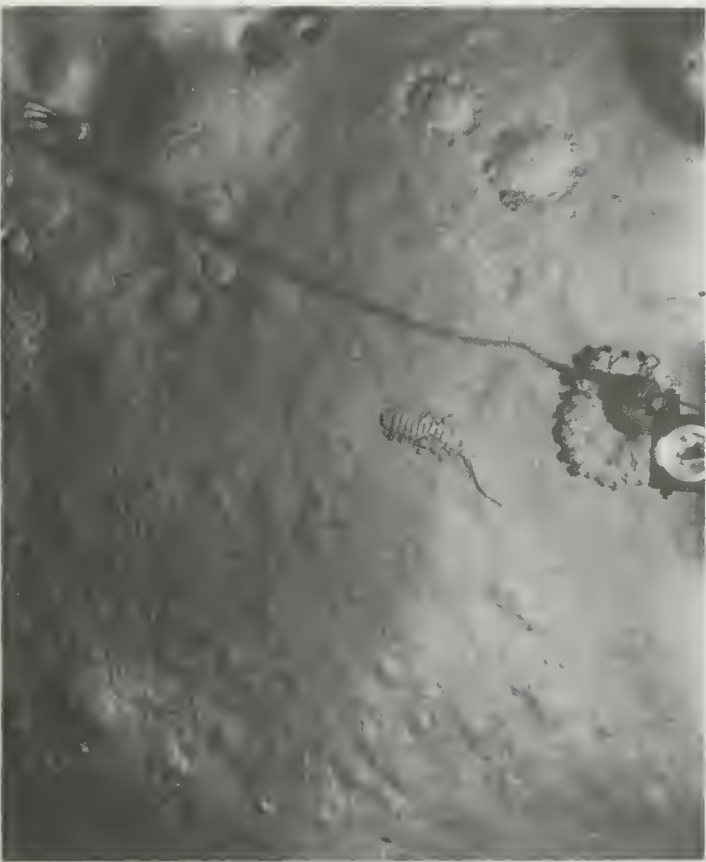
Cruise 50 Cam Stn 3 4219 Meters Frame 2



Cruise 50 Cam Stn 3 4219 Meters Frame 3



Cruise 50 Cam Stn 4 3842 Meters Frame 5



Cruise 50 Cam Stn 4 3842 Meters Frame 11



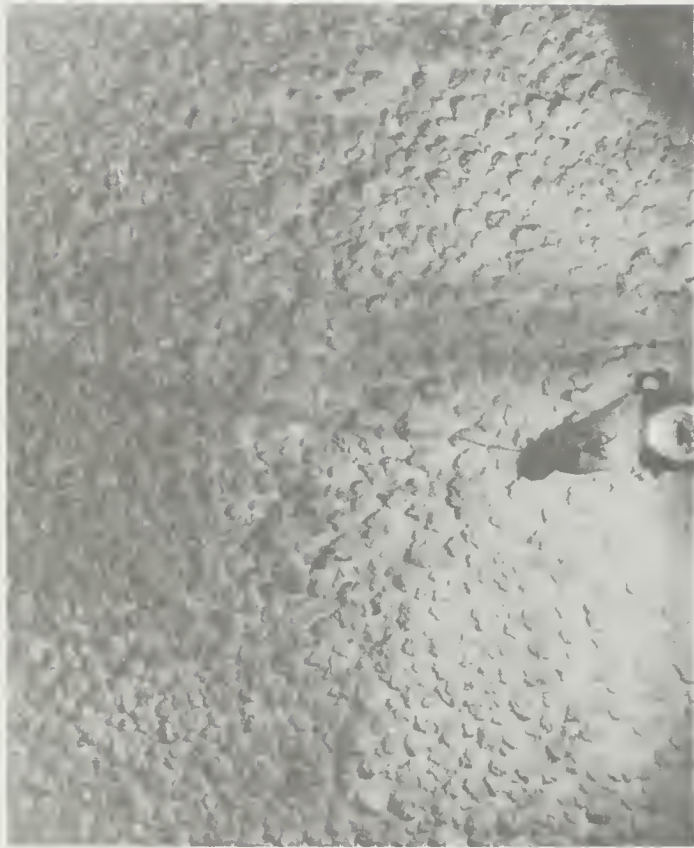
Cruise 50 Cam Stn 5 3531 Meters Frame 3



Cruise 50 Cam Stn 5 3531 Meters Frame 8



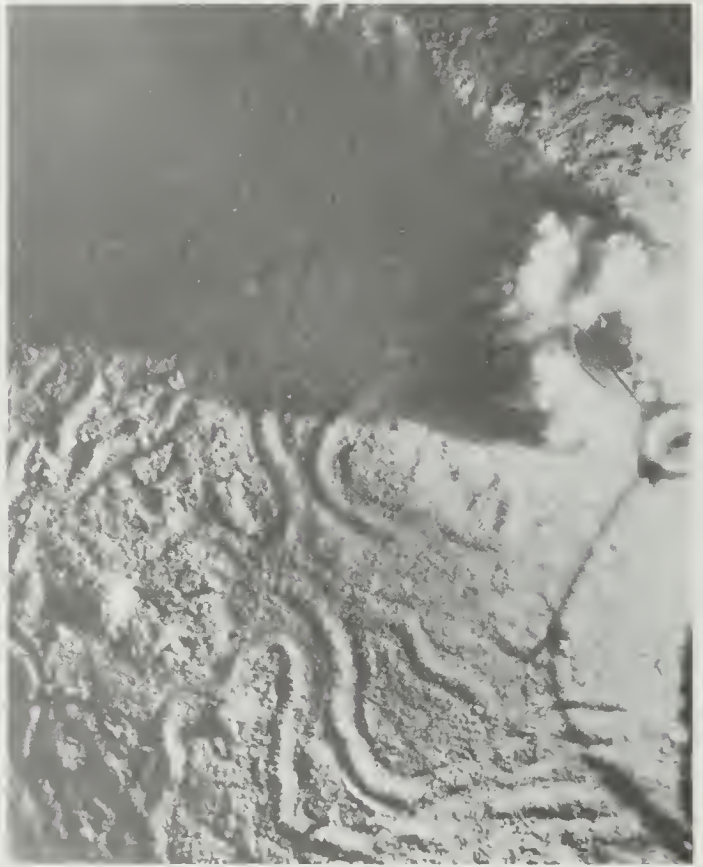
Cruise 50 Cam Stn 5 3531 Meters Frame 16



Cruise 50 Cam Stn 5 3531 Meters Frame 17



Cruise 50 Cam Stn 6 3160 Meters Frame 9



Cruise 50 Cam Stn 6 3160 Meters Frame 10



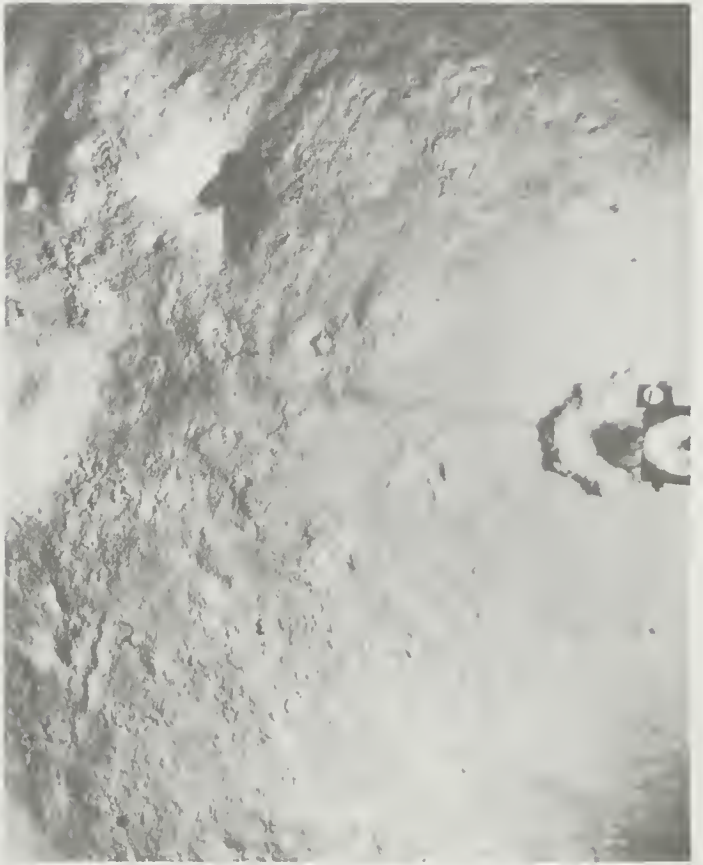
Cruise 50 Cam Stn 7 3219 Meters Frame 5



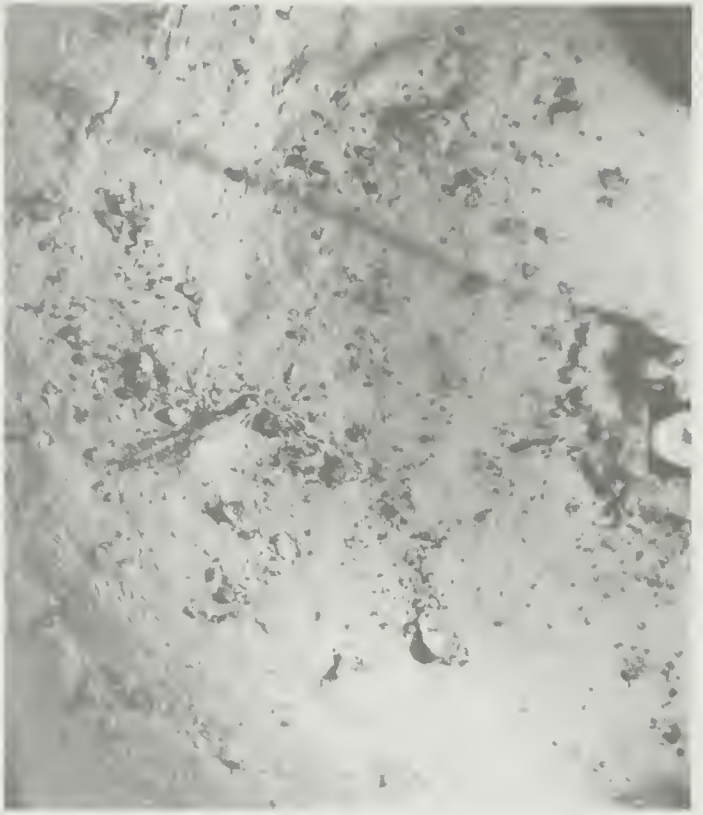
Cruise 50 Cam Stn 7 3219 Meters Frame 7



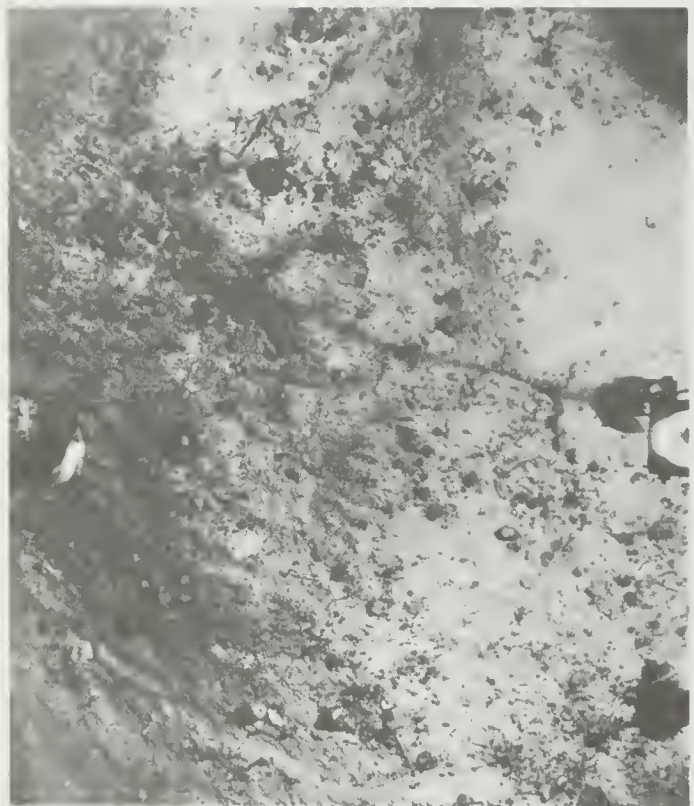
Cruise 50 Cam Stn 7 3219 Meters Frame 17



Cruise 50 Cam Stn 7 3219 Meters Frame 21



Cruise 50 Cam Stn 8 3166 Meters Frame 13



Cruise 50

Cam Stn 8

3166 Meters

Frame 16



Cruise 50

Cam Stn 8

3166 Meters

Frame 18



Cruise 50

Cam Stn 9

3798 Meters

Frame 2

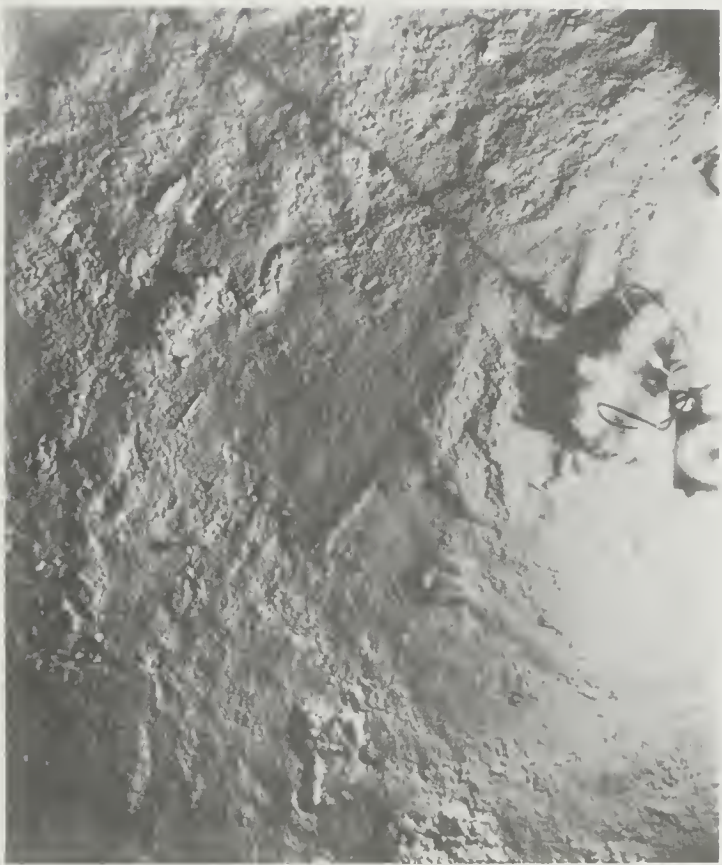


Cruise 50

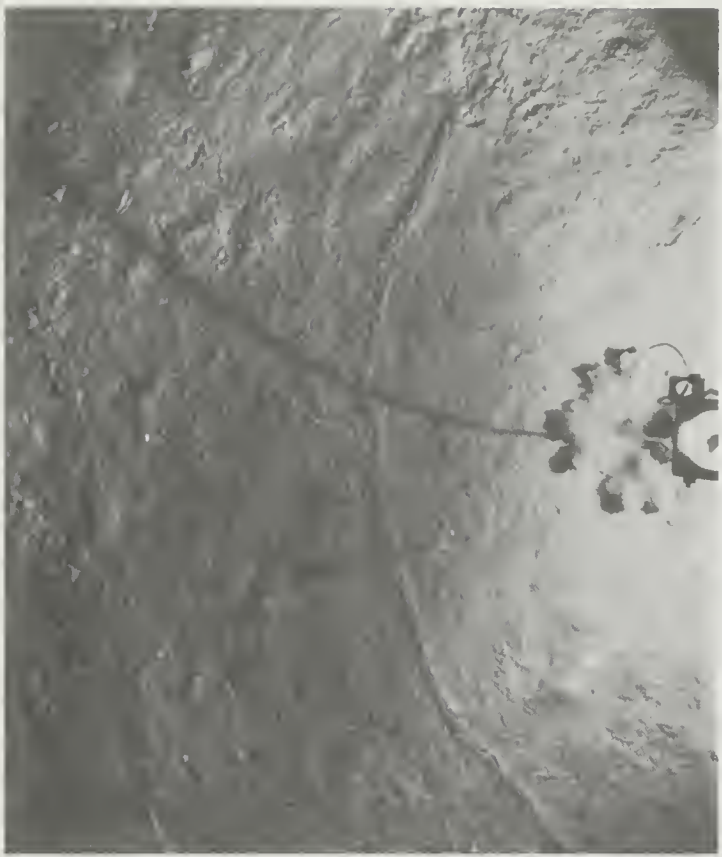
Cam Stn 9

3798 Meters

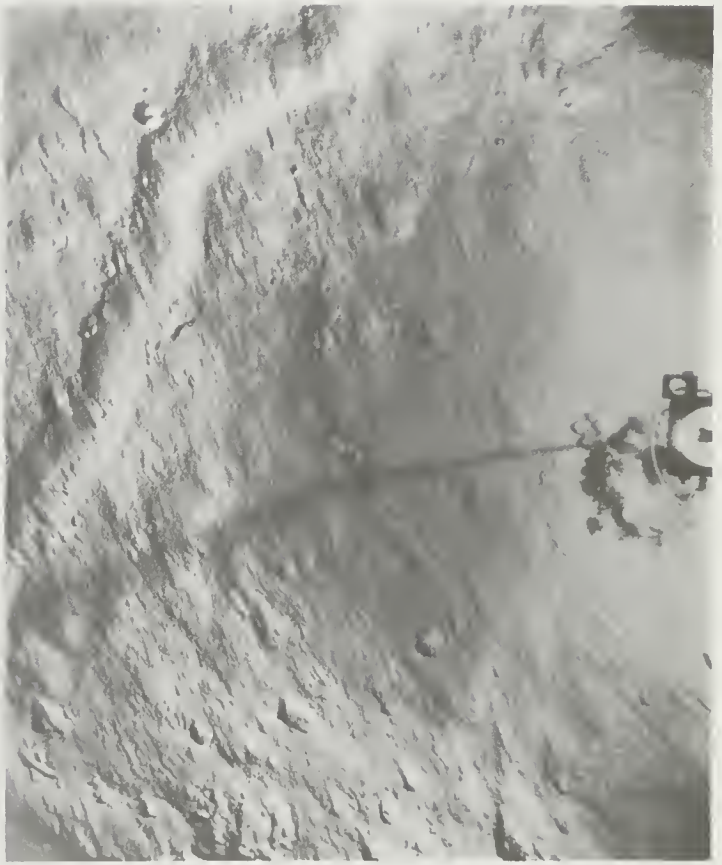
Frame 4



Cruise 50 Cam Stn 10 3958 Meters Frame 10



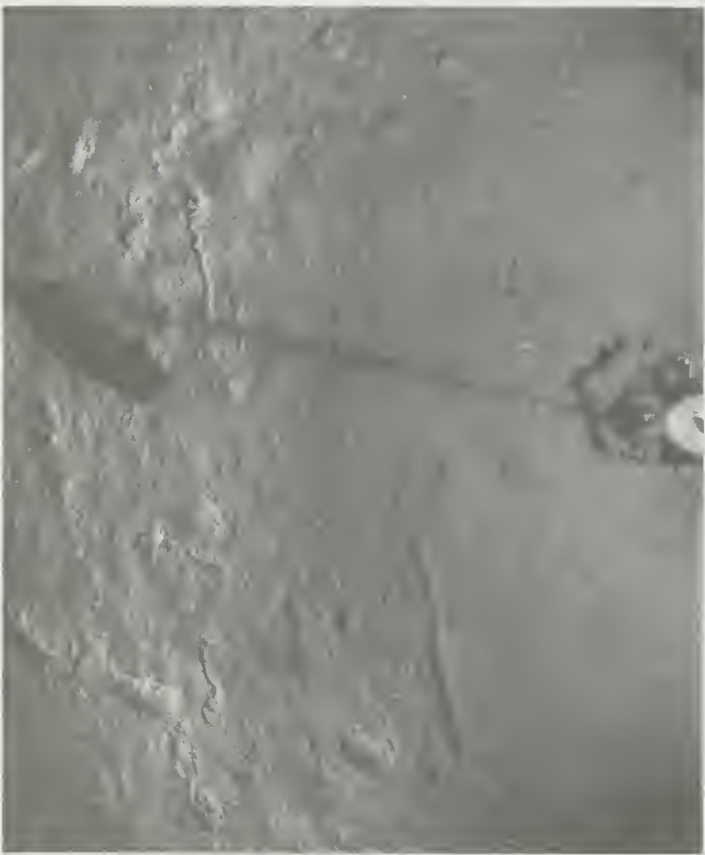
Cruise 50 Cam Stn 10 3958 Meters Frame 19



Cruise 50 Cam Stn 12 4200 Meters Frame 5



Cruise 50 Cam Stn 12 4200 Meters Frame 17



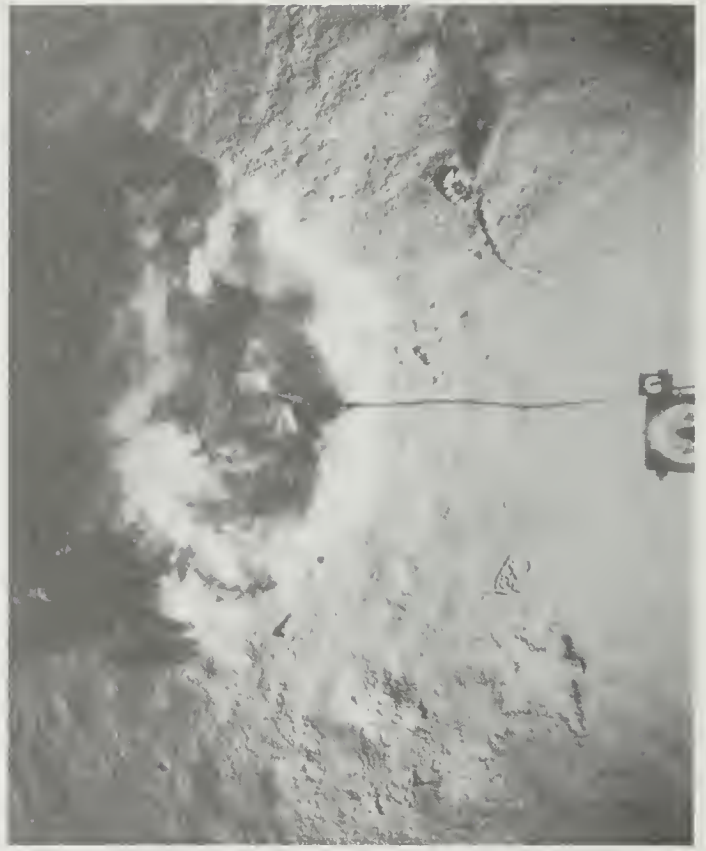
Cruise 50 Cam Stn 13 4339 Meters Frame 9



Cruise 50 Cam Stn 13 4339 Meters Frame 19



Cruise 50 Cam Stn 14 4385 Meters Frame 16



Cruise 50 Cam Stn 15 4135 Meters Frame 12



Cruise 50 Cam Stn 15 4135 Meters Frame 18



Cruise 50 Cam Stn 16 4110 Meters Frame 5



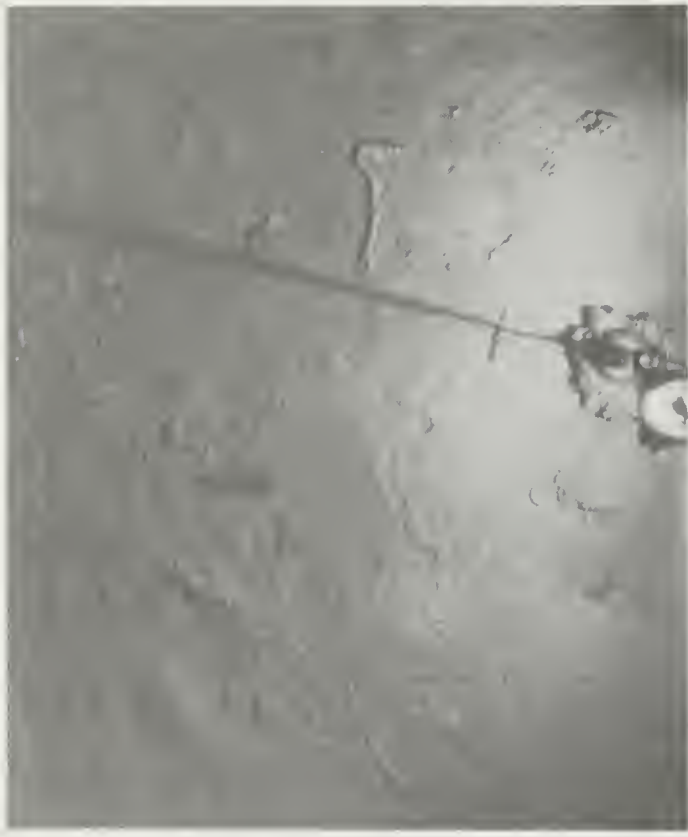
Cruise 50 Cam Stn 17 4295 Meters Frame 2



Cruise 50 Cam Stn 17 4295 Meters Frame 5



Cruise 50 Cam Stn 17 4295 Meters Frame 21



Cruise 50 Cam Stn 18 4114 Meters Frame 9



Cruise 50 Cam Stn 18 4114 Meters Frame 18



Cruise 50 Cam Stn 19 3764 Meters Frame 3

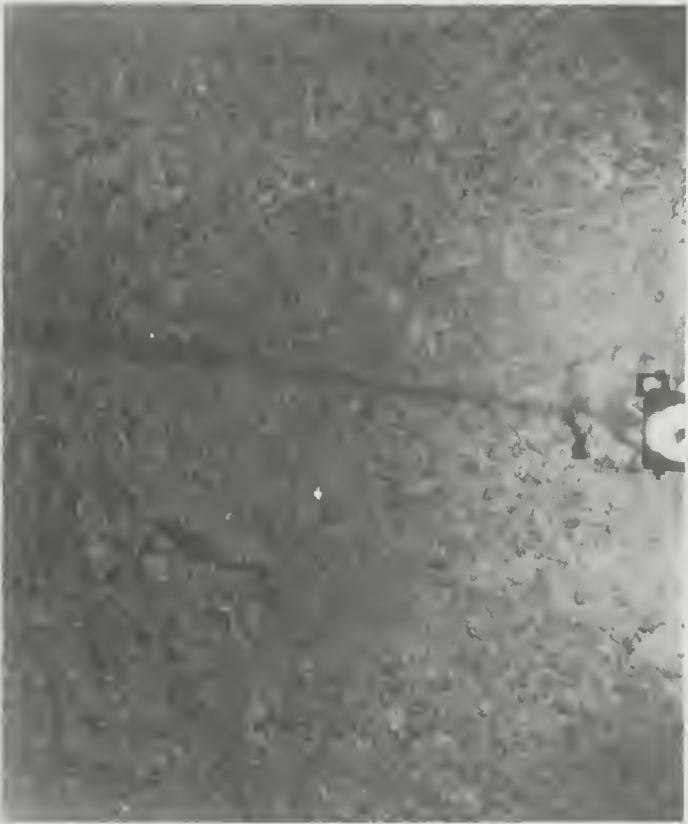


Cruise 50

Cam Stn 20

3338 Meters

Frame 12



Cruise 50

Cam Stn 19

3764 Meters

Frame 11



Cruise 50

Cam Stn 20

3338 Meters

Frame 21



Cruise 50

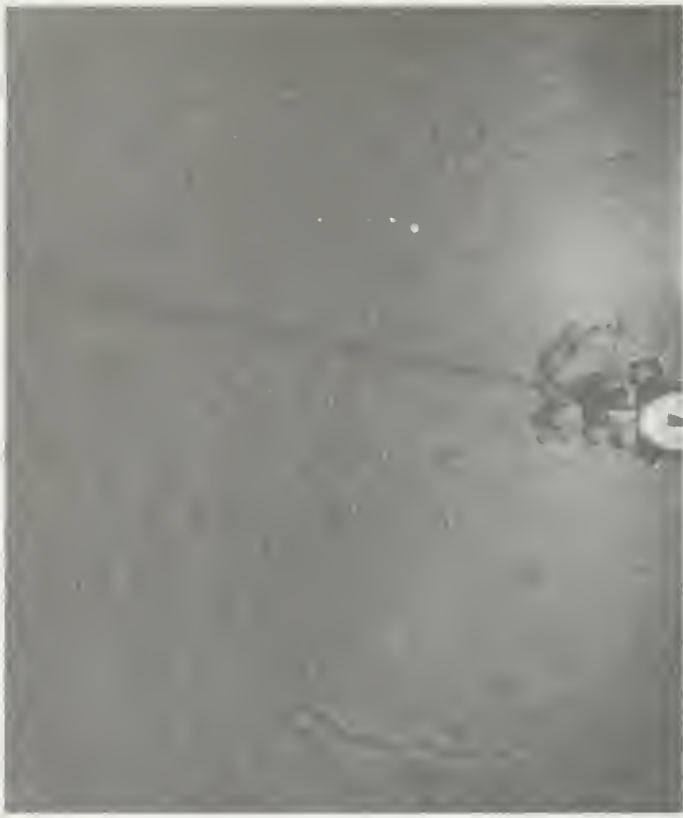
Cam Stn 20

3338 Meters

Frame 18



Cruise 50 Cam Stn 20 3338 Meters Frame 22



Cruise 50 Cam Stn 21 3469 Meters Frame 13



Cruise 50 Cam Stn 21 3469 Meters Frame 10



Cruise 50 Cam Stn 21 3469 Meters Frame 16



Cruise 50 Cam Stn 22 3853 Meters Frame 13



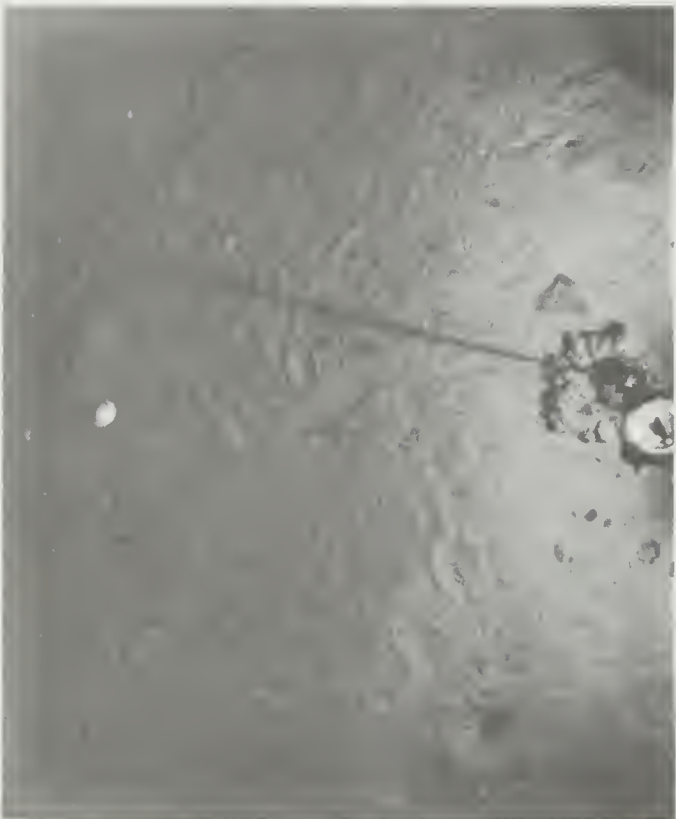
Cruise 50 Cam Stn 22 3853 Meters Frame 15



Cruise 50 Cam Stn 23 3566 Meters Frame 14



Cruise 50 Cam Stn 23 3566 Meters Frame 16



Cruise 50 Cam Stn 24 2982 Meters Frame 4



Cruise 50 Cam Stn 24 2982 Meters Frame 15



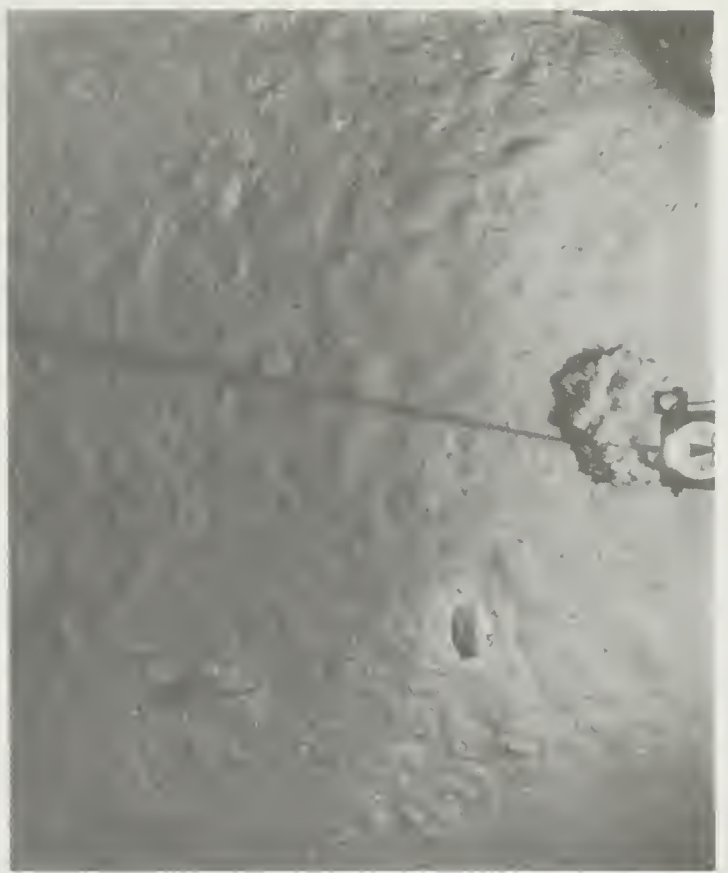
Cruise 50 Cam Stn 24 2982 Meters Frame 17



Cruise 50 Cam Stn 25 2893 Meters Frame 3



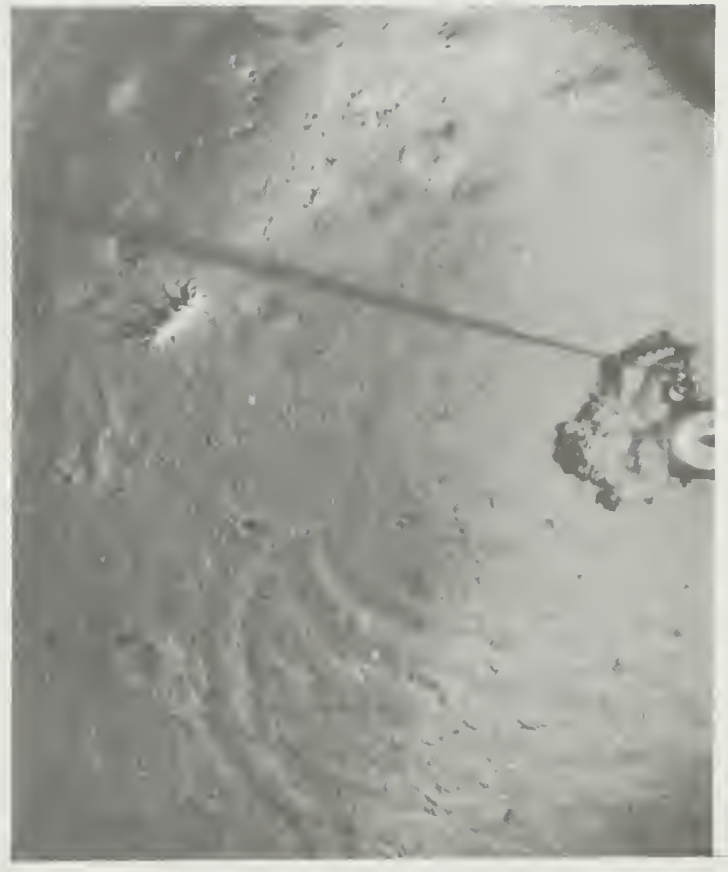
Cruise 50 Cam Stn 25 2893 Meters Frame 10



Cruise 50 Cam Stn 27 3185 Meters Frame 15



Cruise 50 Cam Stn 25 2893 Meters Frame 5



Cruise 50 Cam Stn 27 3185 Meters Frame 13



Cruise 50 Cam Stn 27 3185 Meters Frame 18

Cruise 50 Cam Stn 28 2905 Meters Frame 7



Cruise 50 Cam Stn 28 2905 Meters Frame 3

Cruise 50 Cam Stn 28 2905 Meters Frame 21





Cruise 50 Cam Stn 29 3222 Meters Frame 7



Cruise 50 Cam Stn 30 3222 Meters Frame 17



Cruise 50 Cam Stn 30 5024 Meters Frame 9



Cruise 50 Cam Stn 30 5024 Meters Frame 12



Cruise 50 Cam Stn 31 5216 Meters Frame 2



Cruise 50 Cam Stn 31 5216 Meters Frame 17



Cruise 50 Cam Stn 32 5179 Meters Frame 2



Cruise 50 Cam Stn 32 5179 Meters Frame 14



Cruise 50

Cam Stn 32

5179 Meters

Frame 19

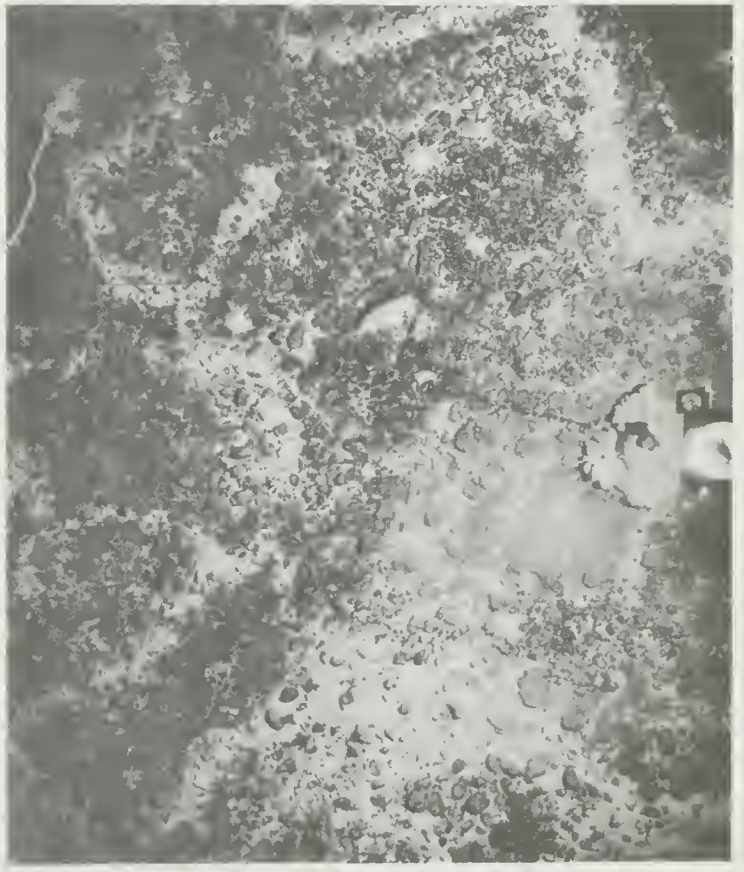


Cruise 52

Cam Stn 1

1996 Meters

Frame 16

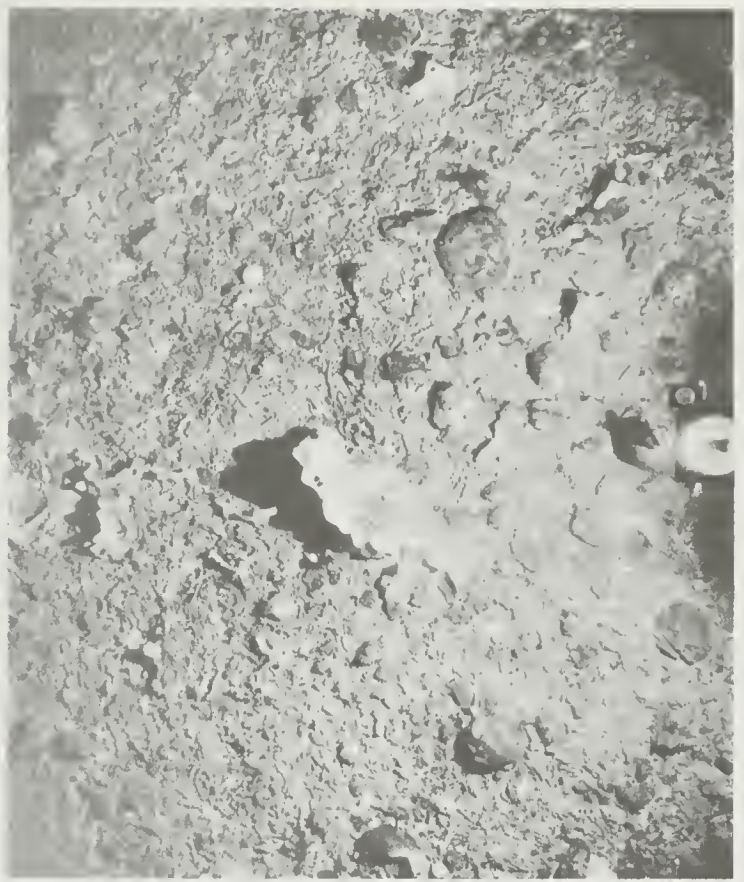


Cruise 52

Cam Stn 1

1996 Meters

Frame 18



Cruise 52

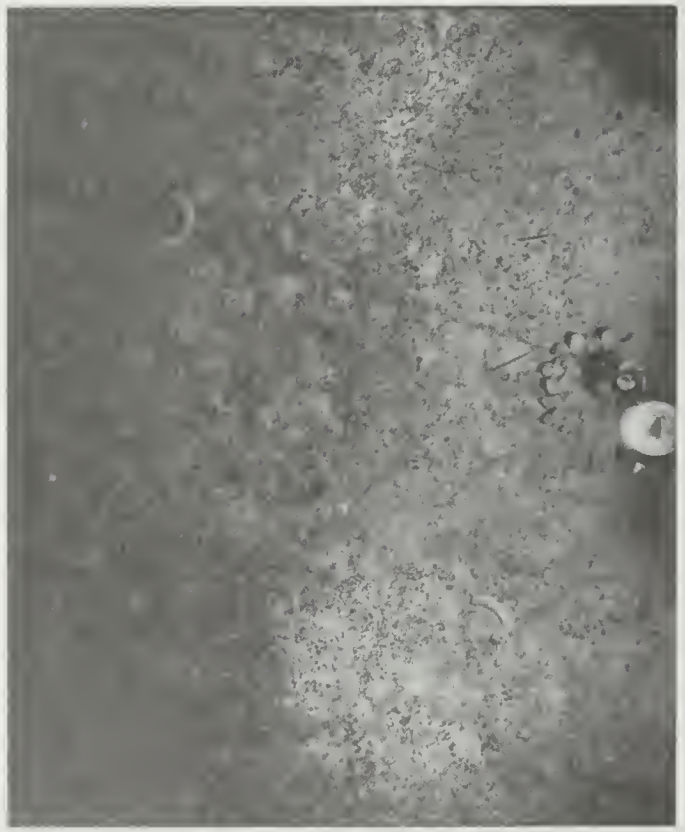
Cam Stn 2

483 Meters

Frame 4



Cruise 52 Cam Stn 2 483 Meters Frame 18



Cruise 52 Cam Stn 3 1943 Meters Frame 2



Cruise 52 Cam Stn 2 483 Meters Frame 14



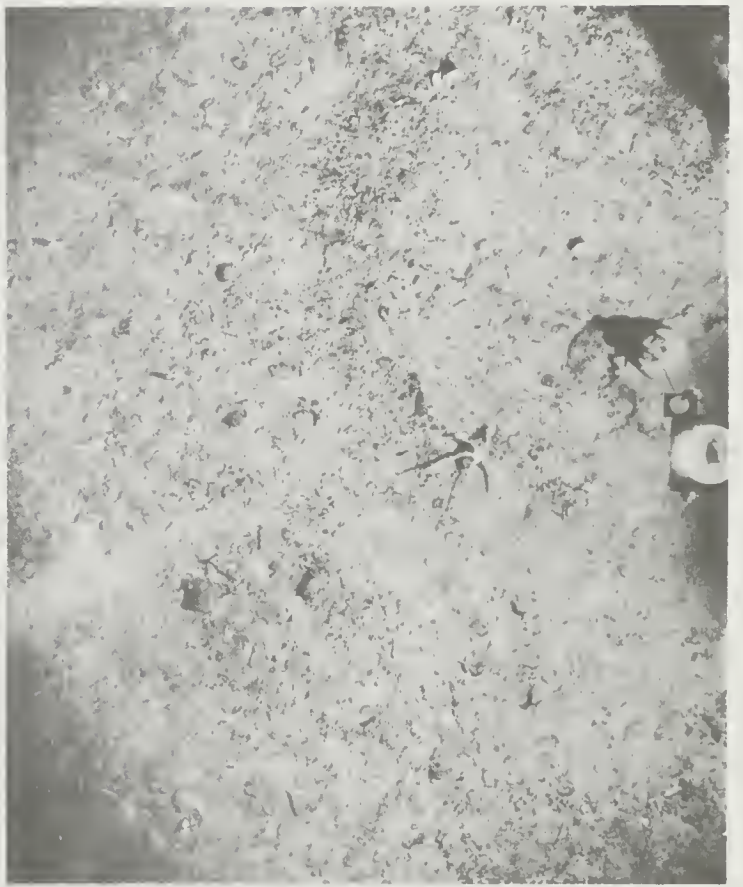
Cruise 52 Cam Stn 2 483 Meters Frame 22



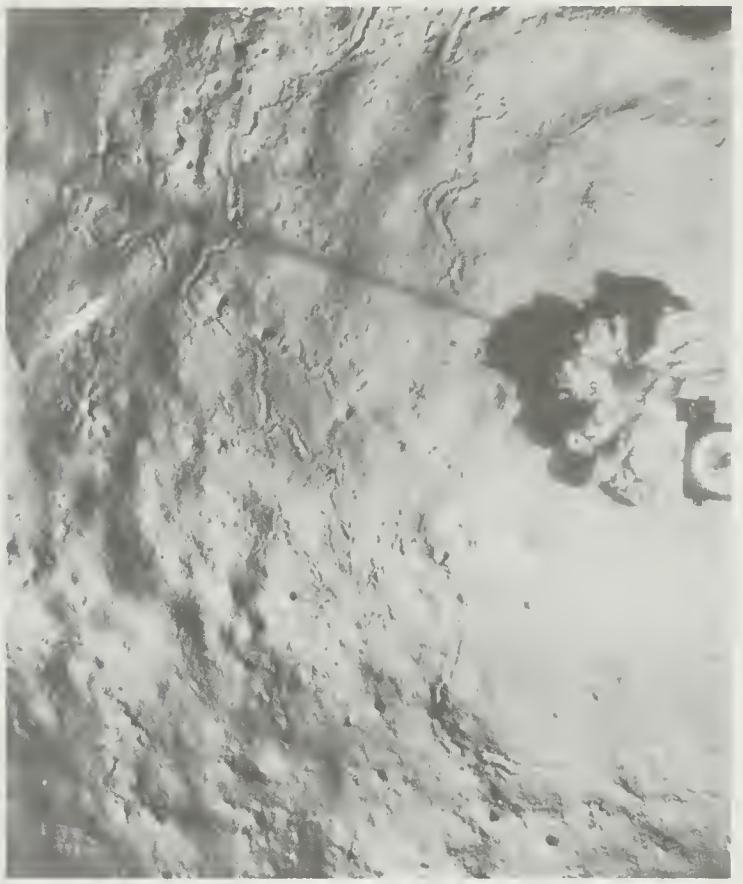
Cruise 52 Cam Stn 3 1943 Meters Frame 5



Cruise 52 Cam Stn 3 1943 Meters Frame 8



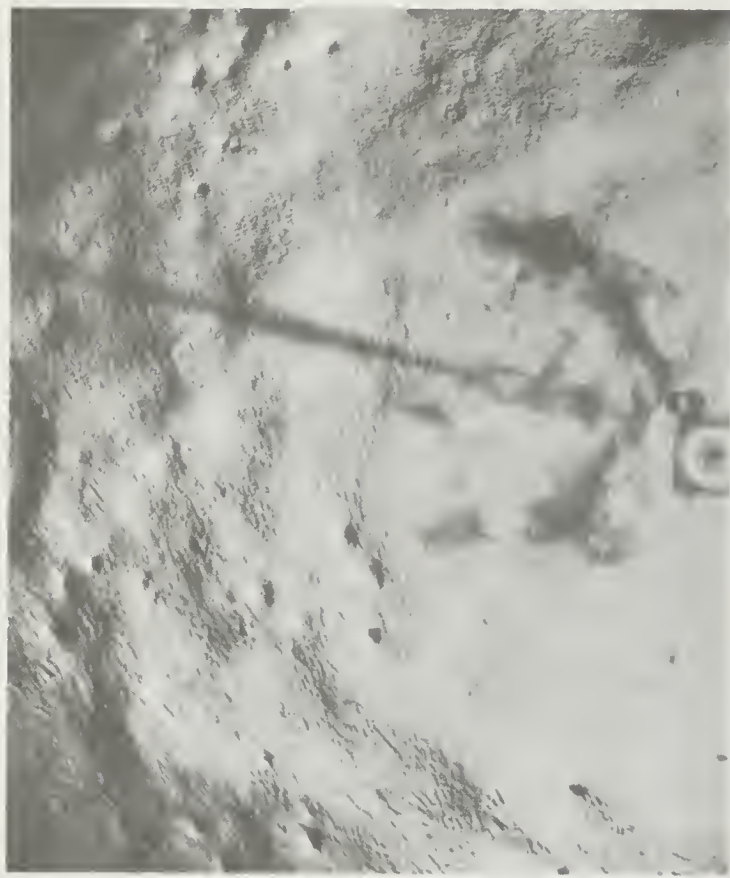
Cruise 52 Cam Stn 3 1943 Meters Frame 22



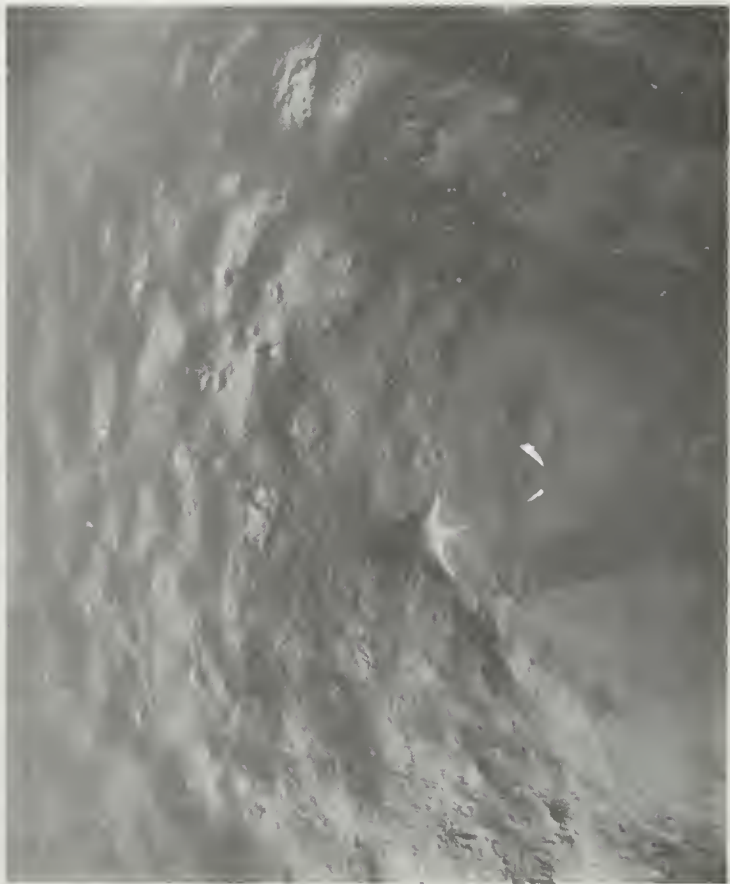
Cruise 53 Cam Stn 4 4977 Meters Frame 20



Cruise 53 Cam Stn 5 4219 Meters Frame 1



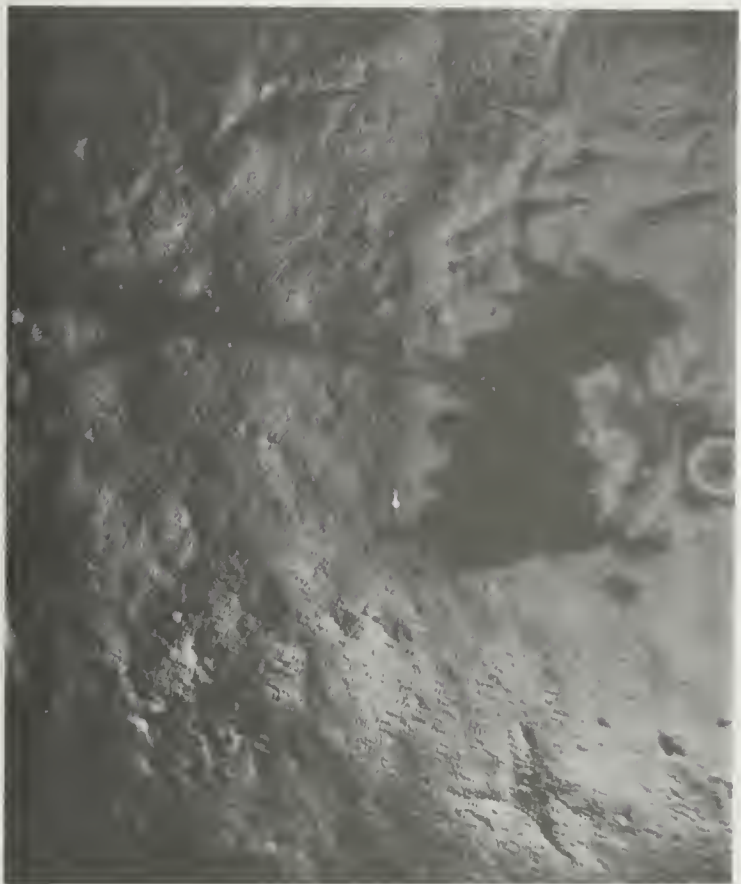
Cruise 53 Cam Stn 6 4544 Meters Frame 1



Cruise 53 Cam Stn 6 4544 Meters Frame 10



Cruise 53 Cam Stn 6 4544 Meters Frame 22



Cruise 53 Cam Stn 7 4875 Meters Frame 10



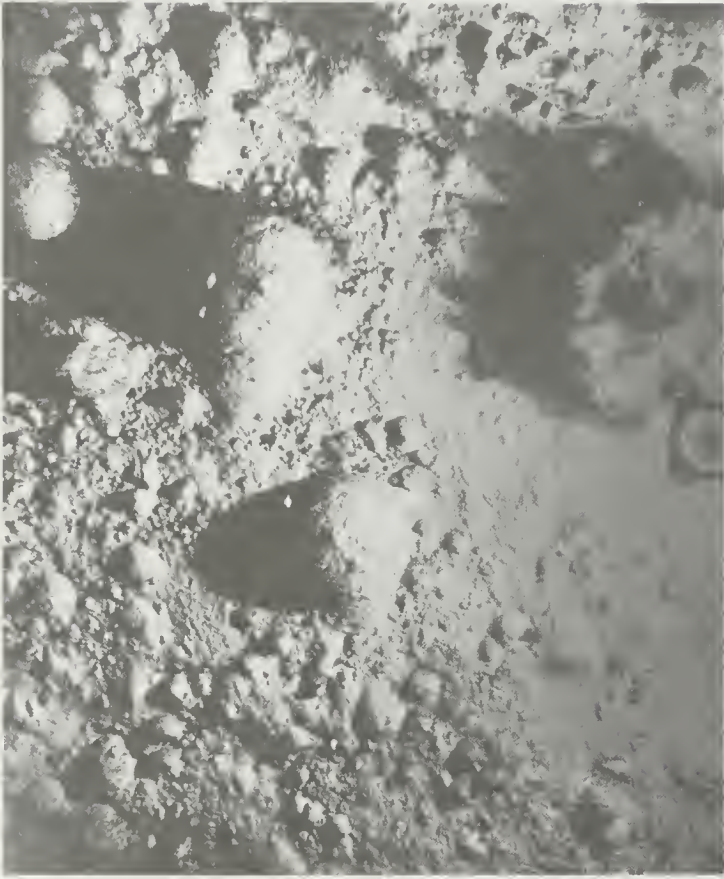
Cruise 53 Cam Stn 8 4531 Meters Frame 5



Cruise 53 Cam Stn 10 4193 Meters Frame 4



Cruise 53 Cam Stn 10 4193 Meters Frame 5



Cruise 53 Cam Stn 11 4072 Meters Frame 1



Cruise 53 Cam Stn 11 4072 Meters Frame 9



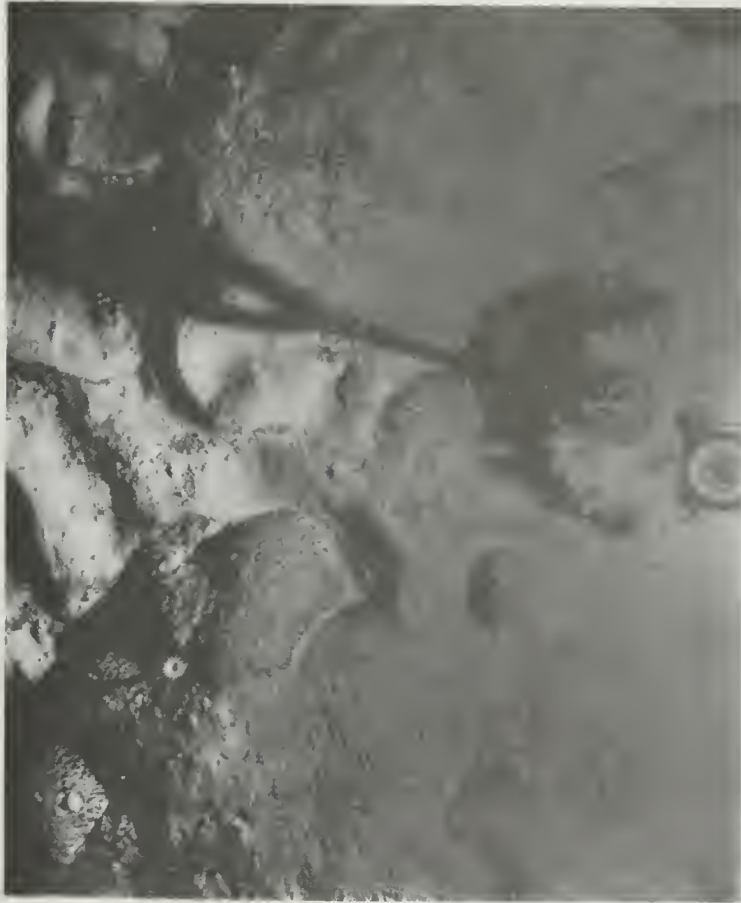
Cruise 53 Cam Stn 12 4231 Meters Frame 3



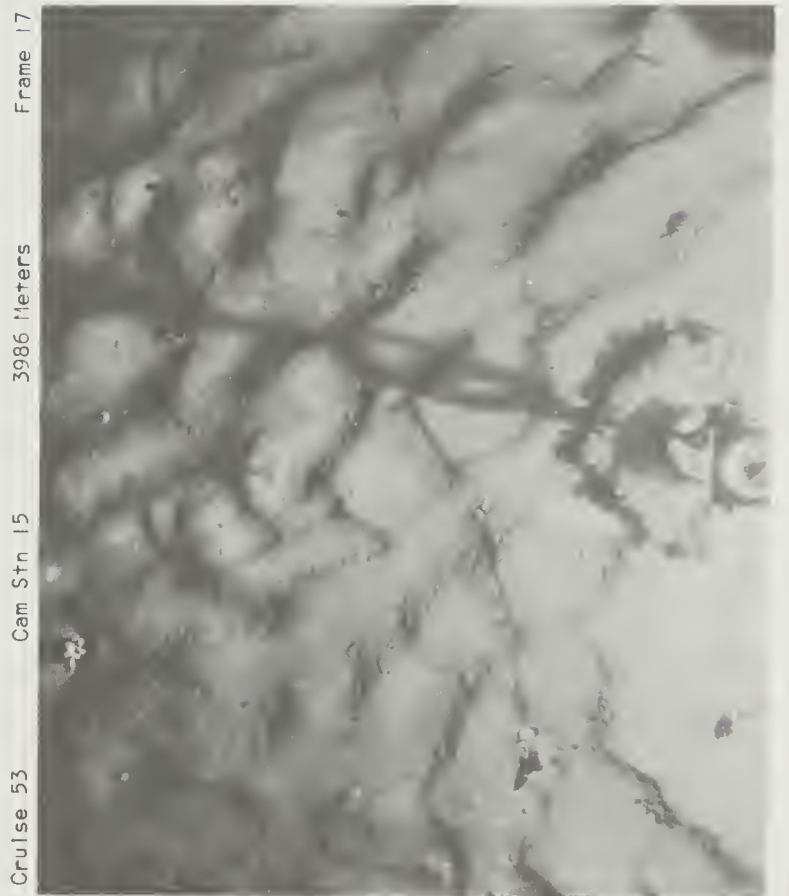
Cruise 53 Cam Stn 12 4231 Meters Frame 12



Cruise 53 Cam Stn 15 3986 Meters Frame 9



Cruise 53 Cam Stn 15 3986 Meters Frame 13



Cruise 53 Cam Stn 15 3986 Meters Frame 17



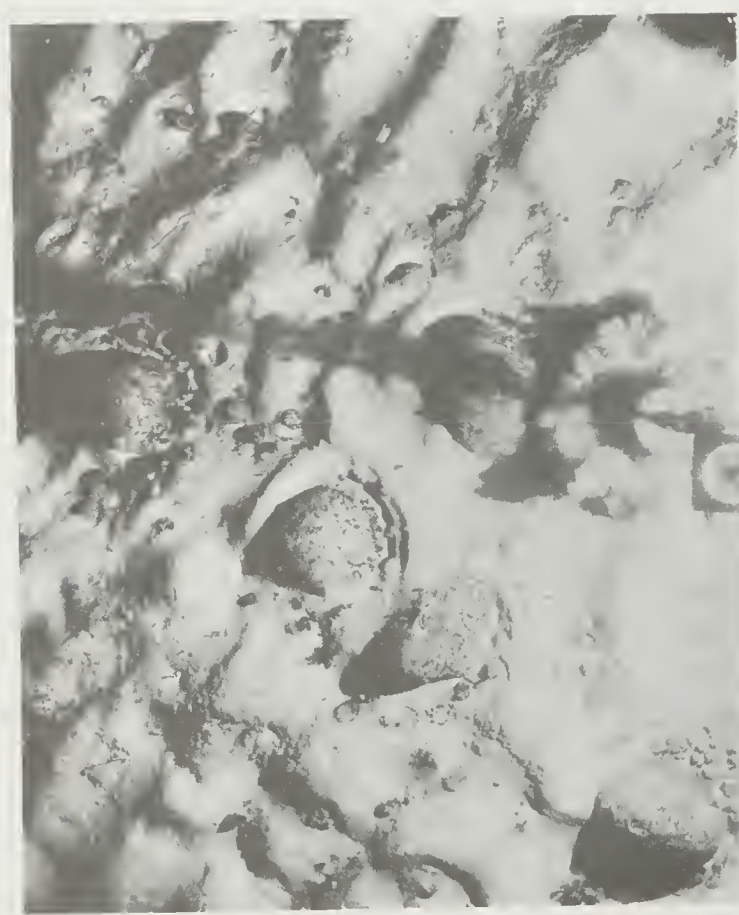
Cruise 53 Cam Stn 15 3986 Meters Frame 21



Cruise 53 Cam Stn 16 4109 Meters Frame 1



Cruise 53 Cam Stn 16 4109 Meters Frame 9



Cruise 53 Cam Stn 15 3986 Meters Frame 37



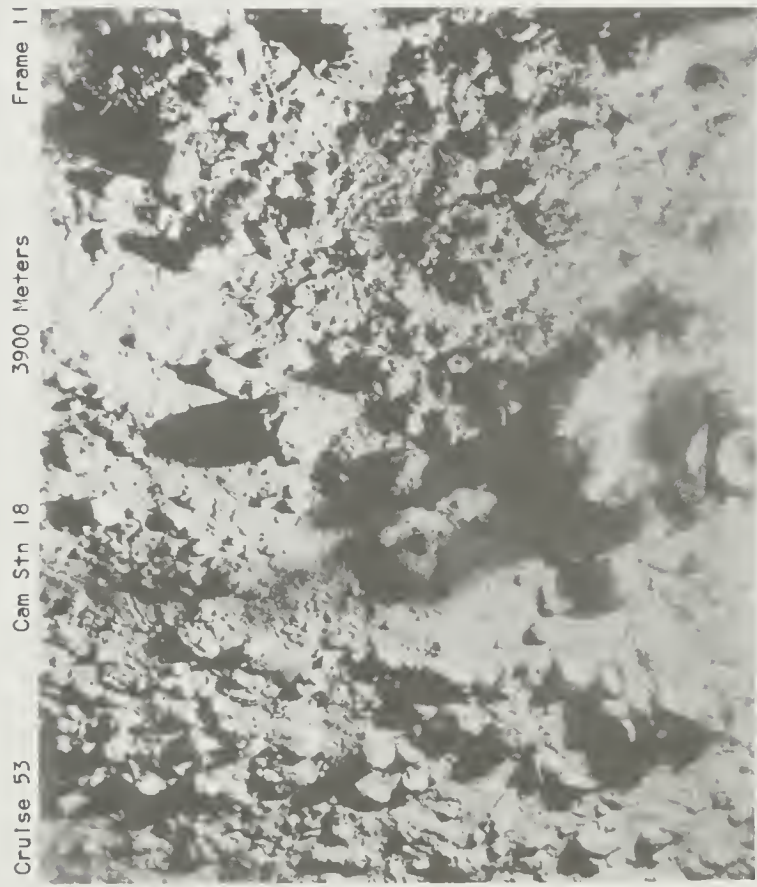
Cruise 53 Cam Stn 16 4109 Meters Frame 3



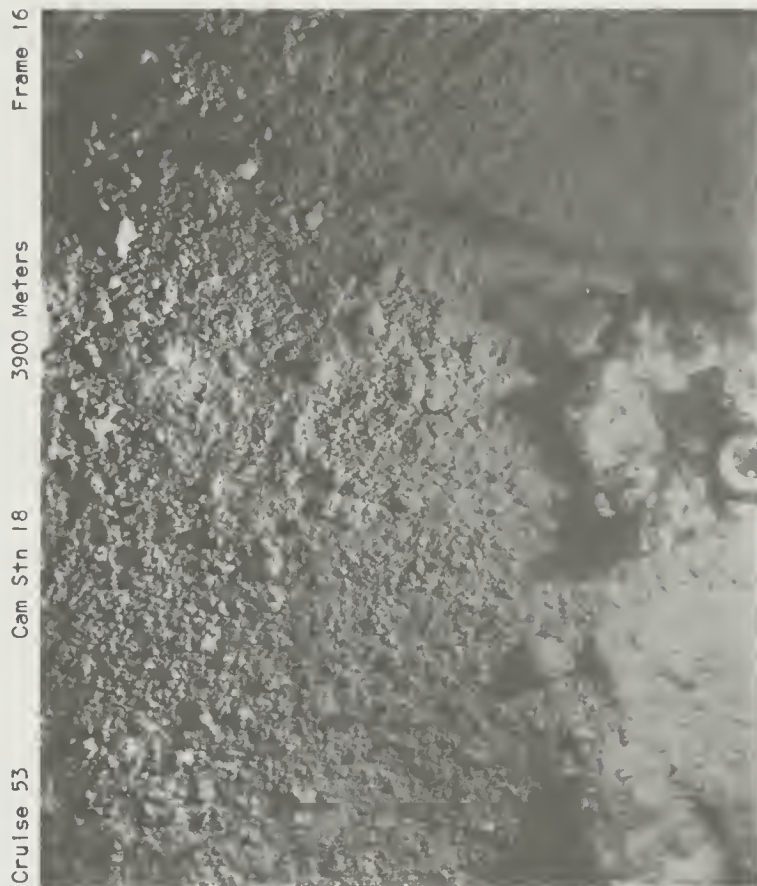
Cruise 53 Cam Stn 17 4178 Meters Frame 7



Cruise 53 Cam Stn 18 3900 Meters Frame 4



Cruise 53 Cam Stn 18 3900 Meters Frame 11



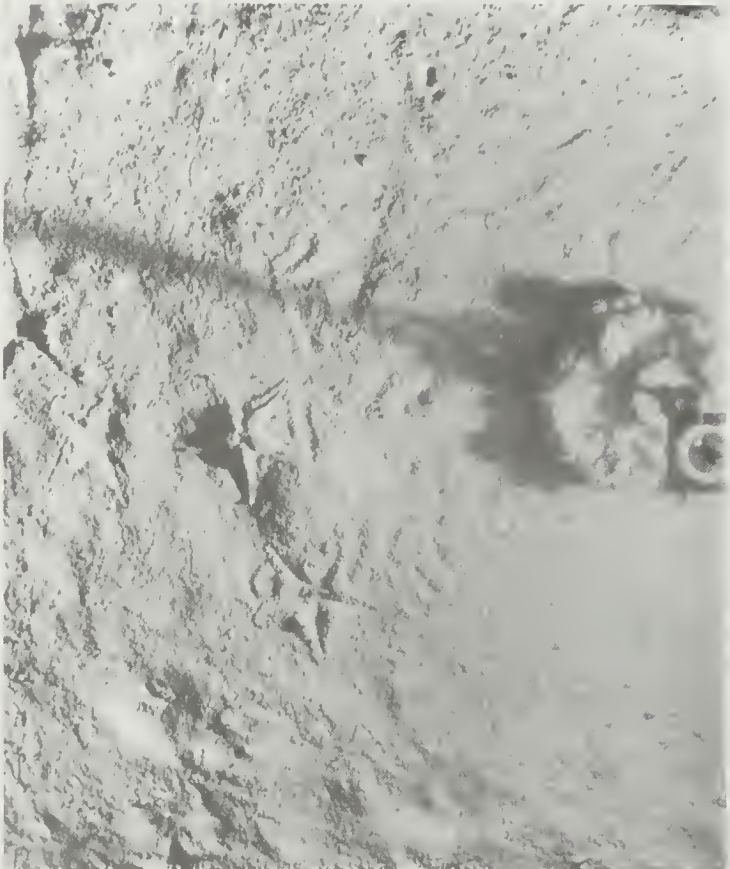
Cruise 53 Cam Stn 18 3900 Meters Frame 16



Cruise 53 Cam Stn 19 1721 Meters Frame 14



Cruise 53 Cam Stn 20 1582 Meters Frame 7



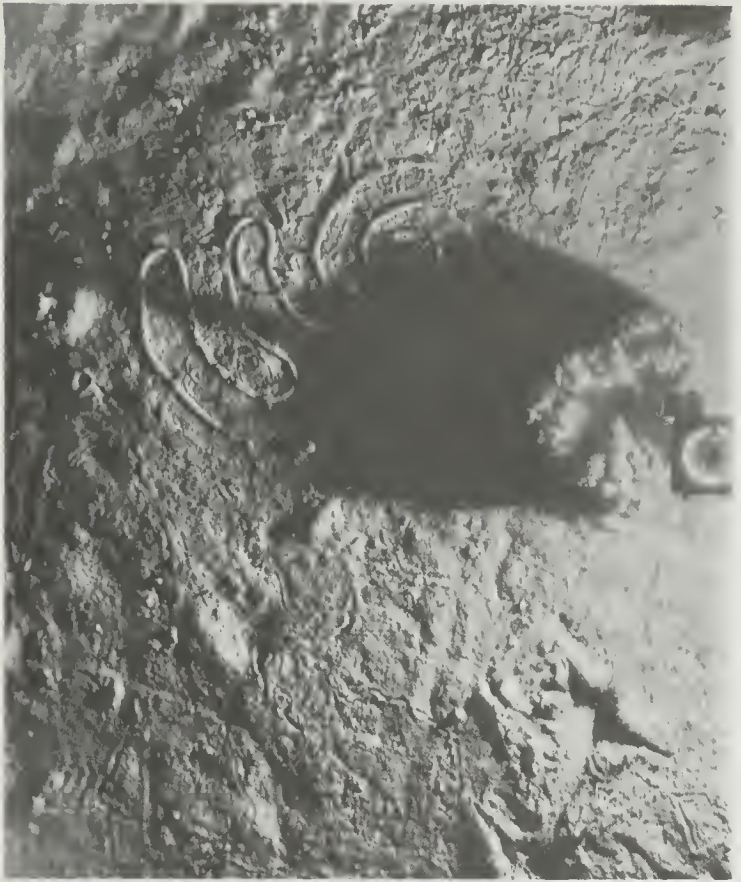
Cruise 53 Cam Stn 19 1721 Meters Frame 11



Cruise 53 Cam Stn 19 1721 Meters Frame 16



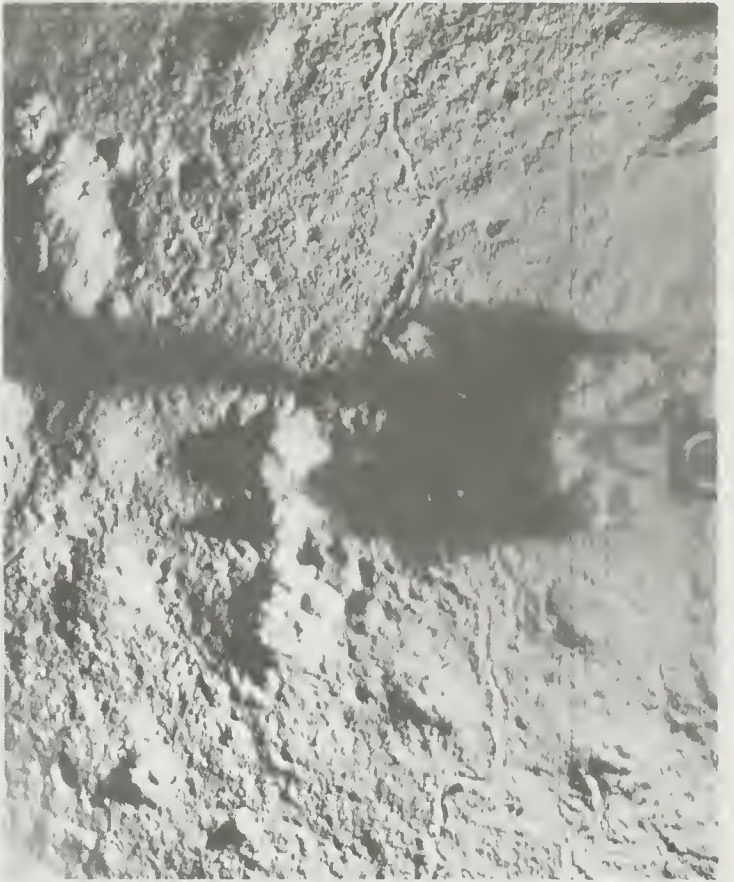
Cruise 53 Cam Stn 20 1582 Meters Frame 8



Cruise 53 Cam Stn 21 5003 Meters Frame 10



Cruise 53 Cam Stn 21 5003 Meters Frame 17



Cruise 53 Cam Stn 22 3741 Meters Frame 13



Cruise 53 Cam Stn 22 3741 Meters Frame 16



Cruise 53 Cam Stn 22 3741 Meters Frame 21



Cruise 53 Cam Stn 23 4659 Meters Frame 1



Cruise 53 Cam Stn 23 4659 Meters Frame 4

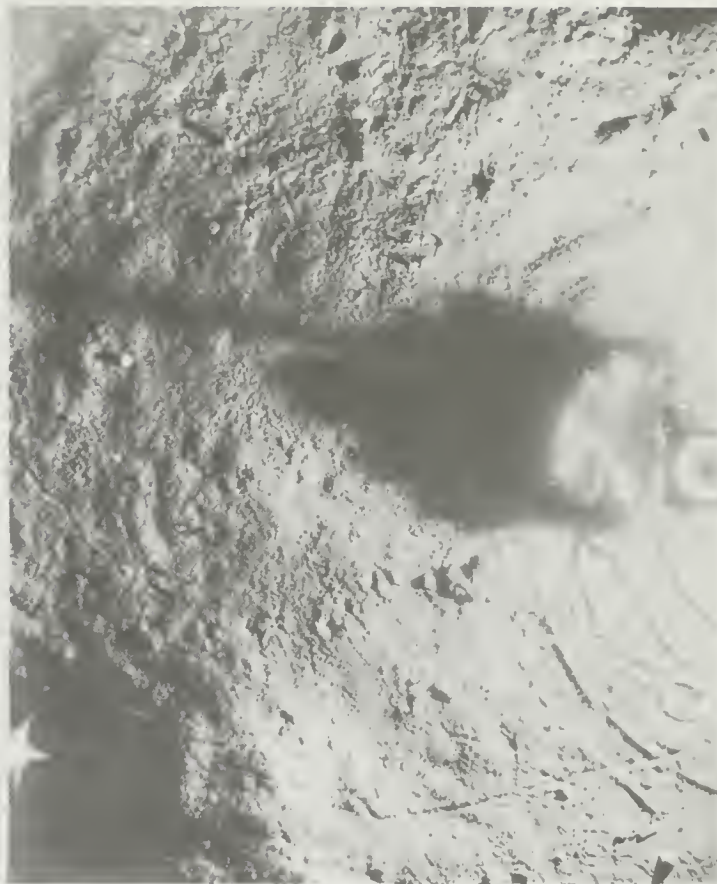


Cruise 53

Cam Stn 23

4659 Meters

Frame 14

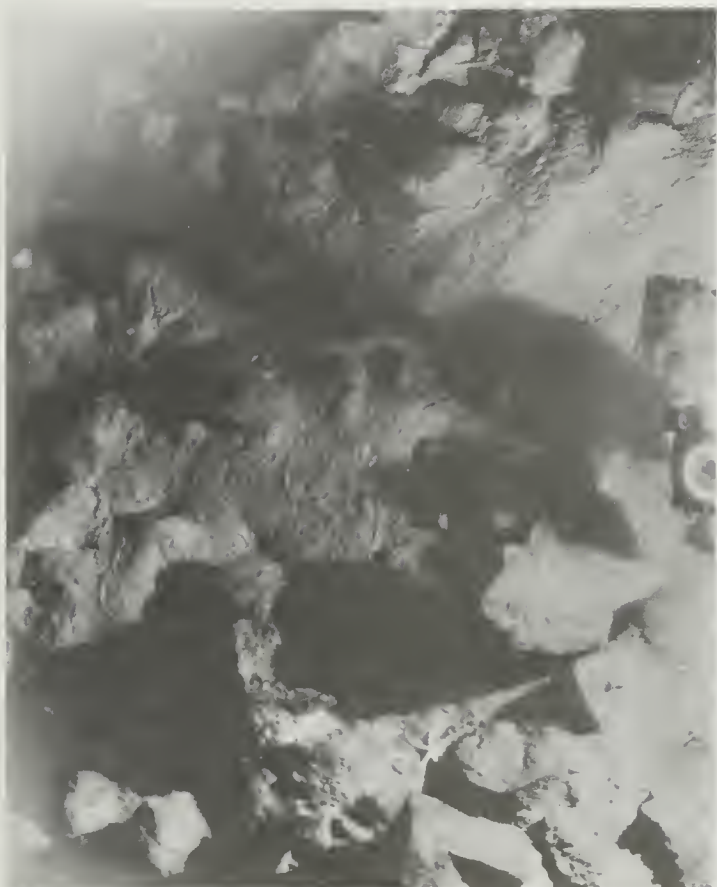


Cruise 53

Cam Stn 24

5416 Meters

Frame 7

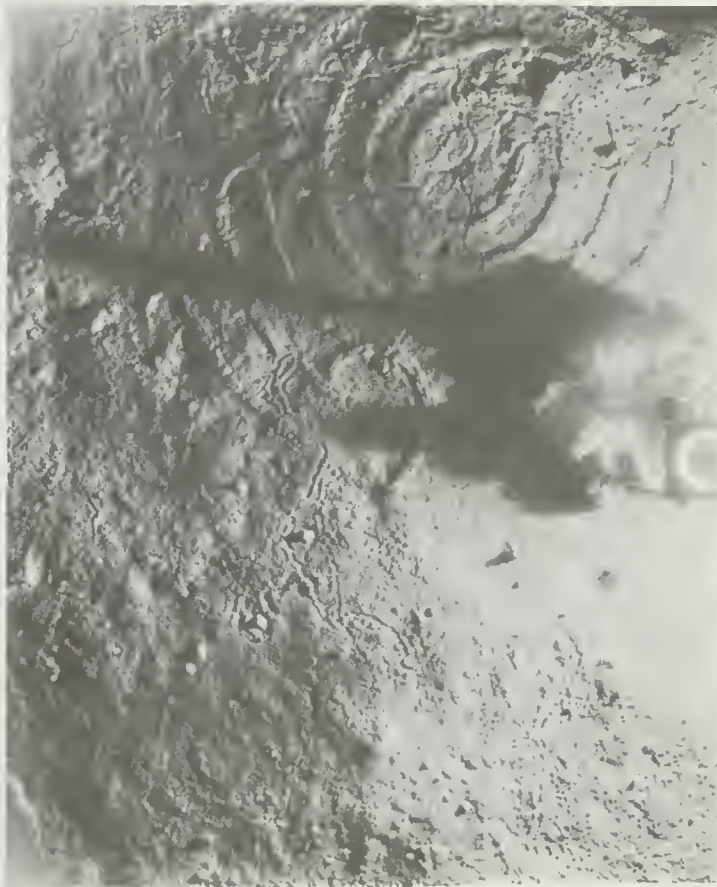


Cruise 53

Cam Stn 23

4659 Meters

Frame 8



Cruise 53

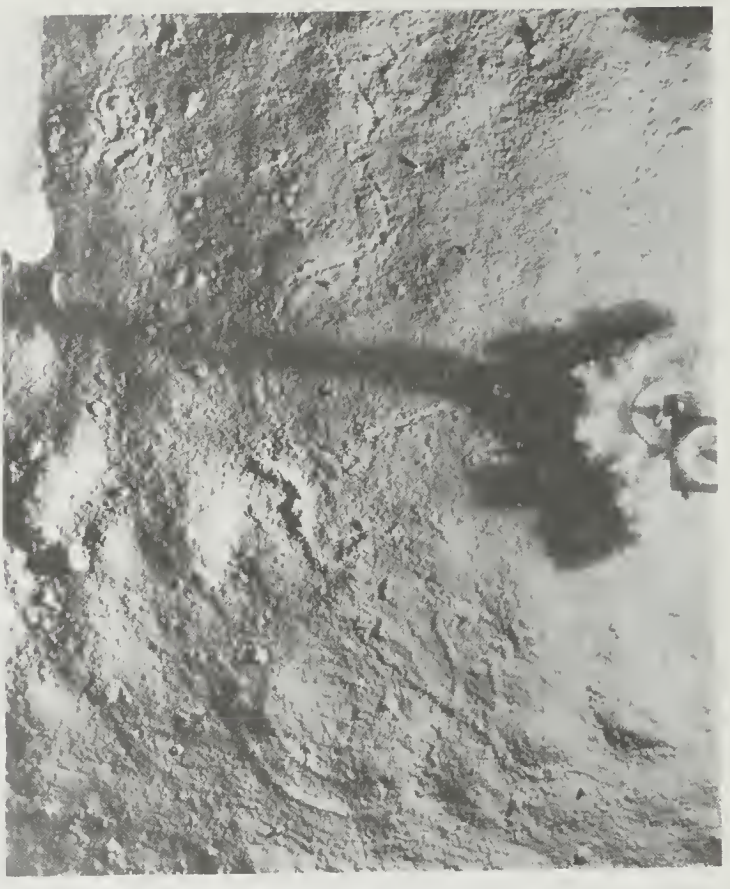
Cam Stn 24

5416 Meters

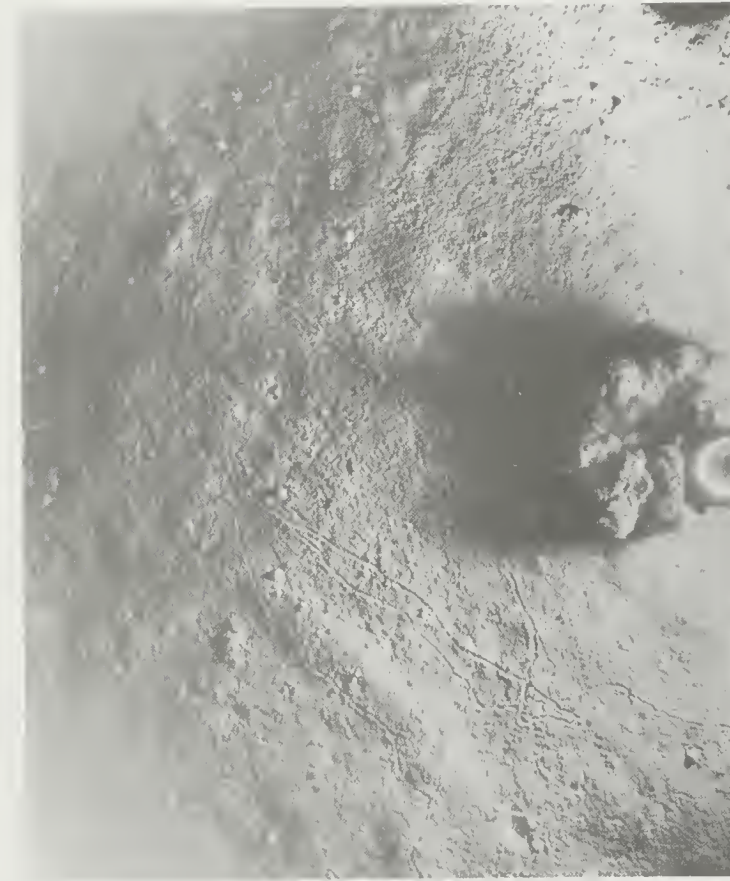
Frame 4



Cruise 53 Cam Stn 25 5559 Meters Frame 18



Cruise 54 Cam Stn 2 3574 Meters Frame 8



Cruise 53 Cam Stn 25 5559 Meters Frame 16



Cruise 54 Cam Stn 2 2420 Meters Frame 2



Cruise 54

Cam Stn 2

3574 Meters

Frame 14



Cruise 54

Cam Stn 2

3574 Meters

Frame 15



Cruise 54

Cam Stn 3

3895 Meters

Frame 4

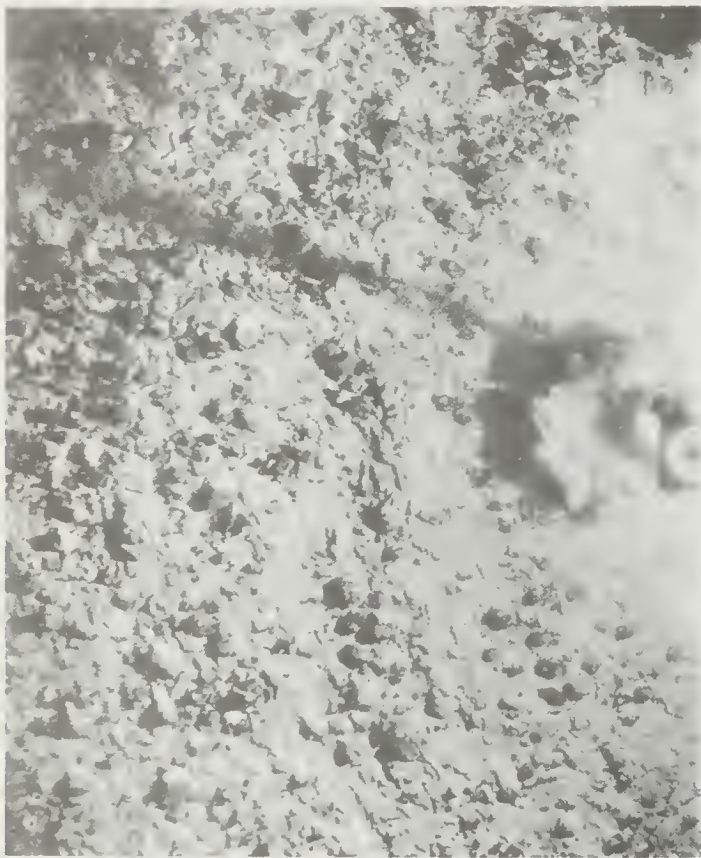


Cruise 54

Cam Stn 3

3895 Meters

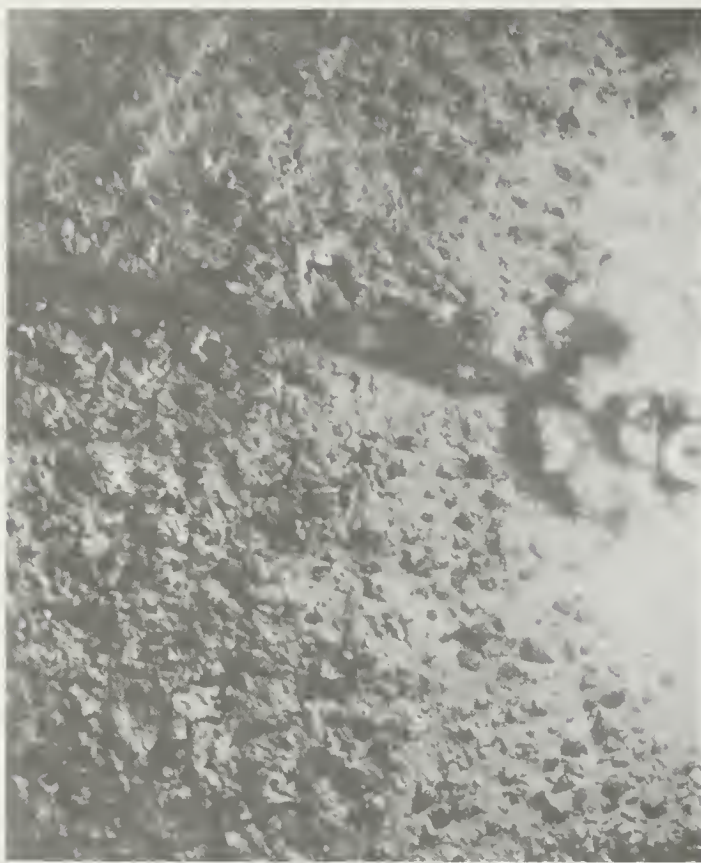
Frame 11



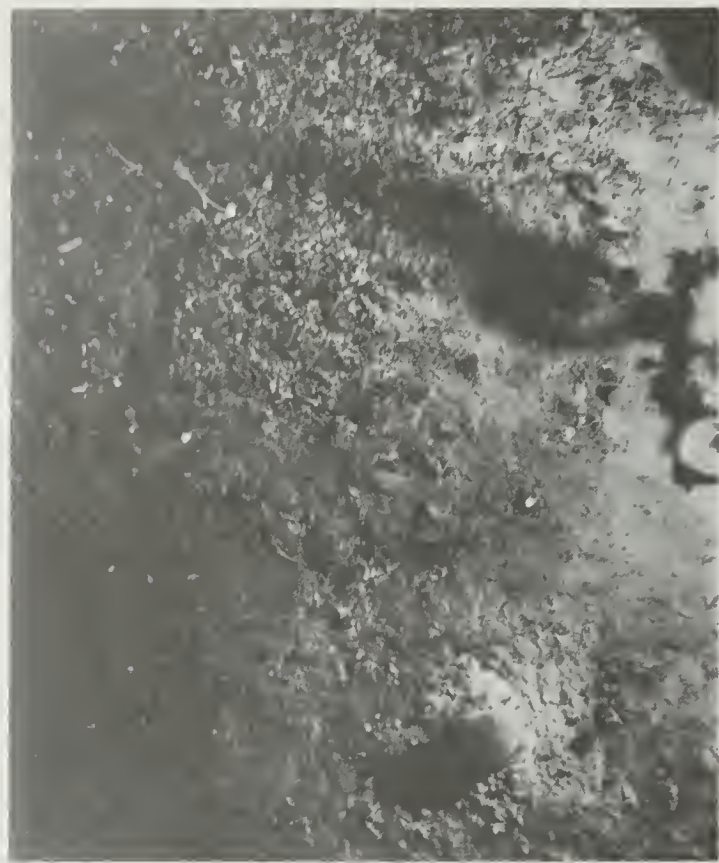
Cruise 54 Cam Stn 4 4284 Meters Frame 5



Cruise 54 Cam Stn 5 4745 Meters Frame 2



Cruise 54 Cam Stn 4 4284 Meters Frame 15



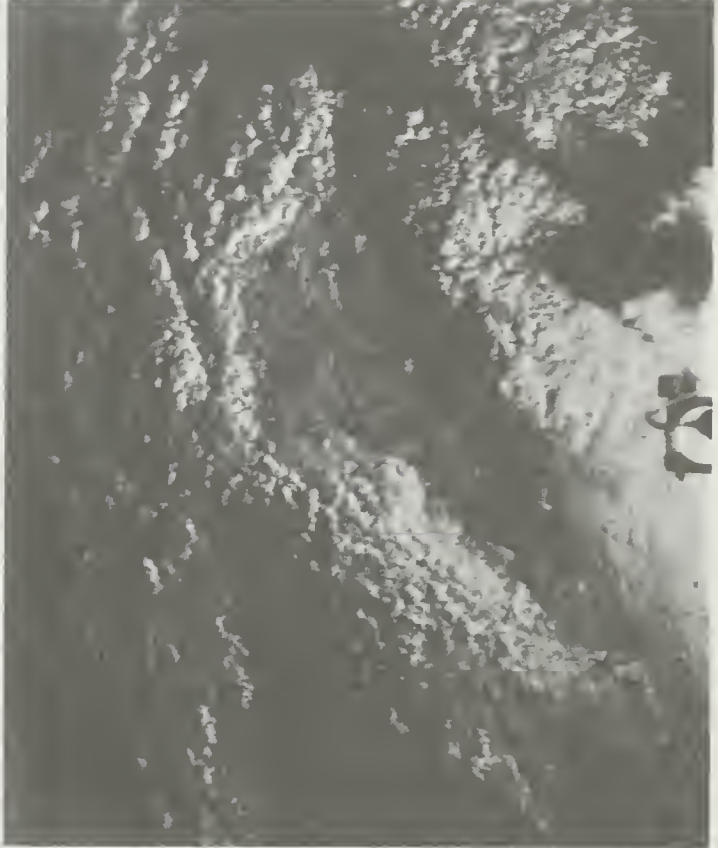
Cruise 54 Cam Stn 5 4745 Meters Frame 4



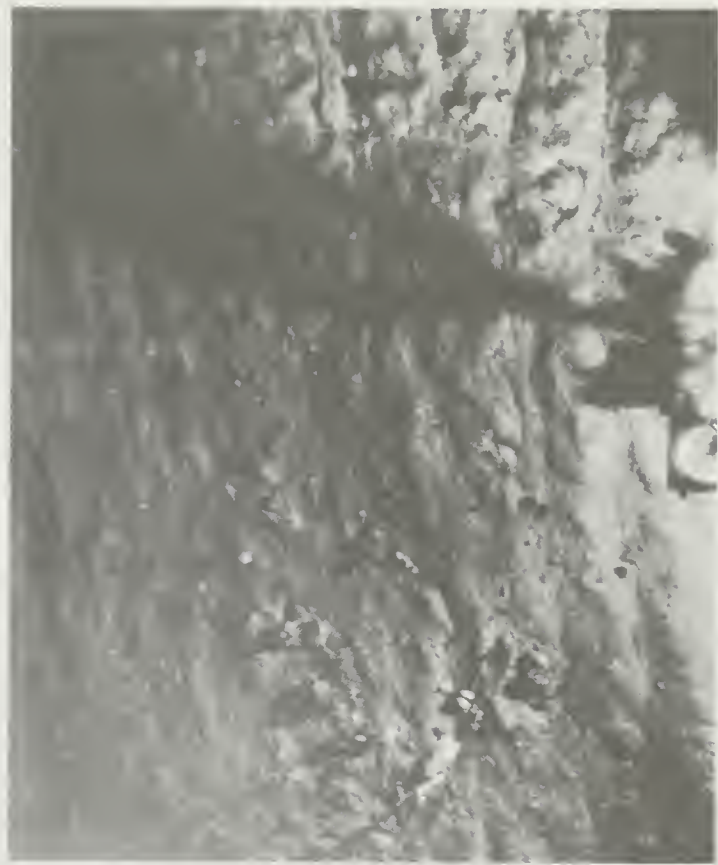
Cruise 54 Cam Stn 5 4745 Meters Frame 7



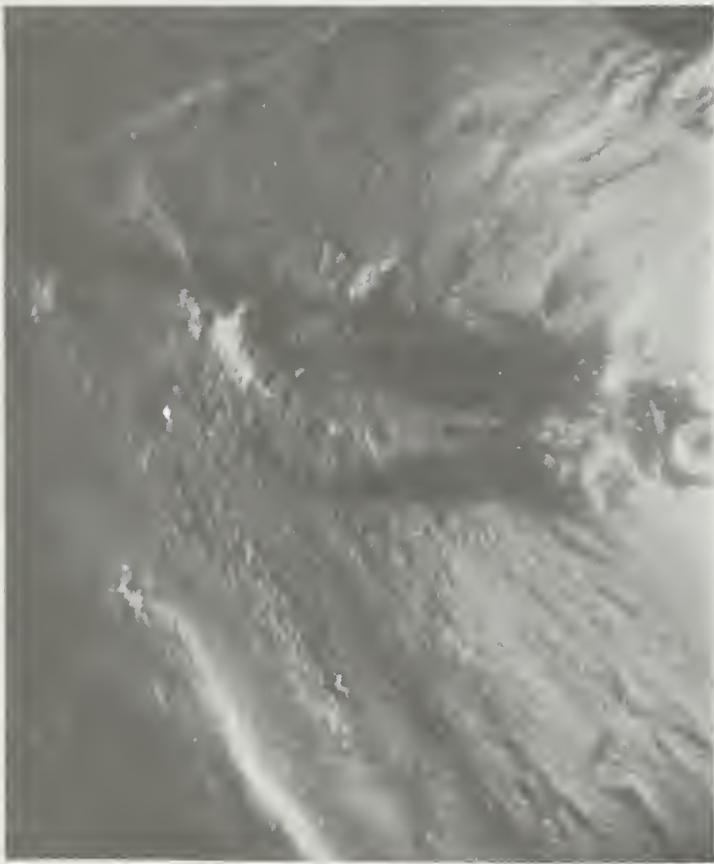
Cruise 54 Cam Stn 5 4745 Meters Frame 9



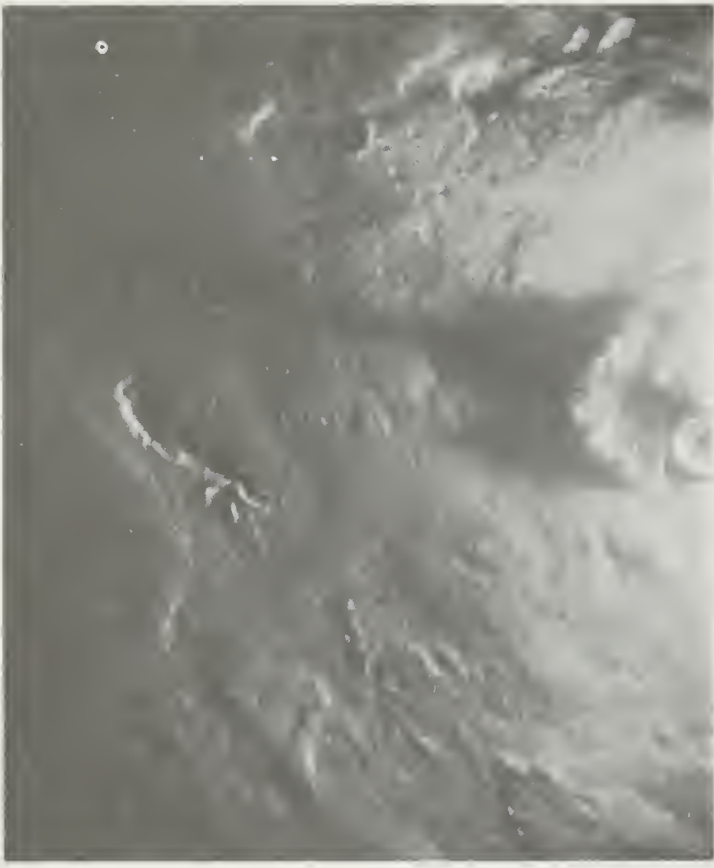
Cruise 54 Cam Stn 5 4745 Meters Frame 13



Cruise 54 Cam Stn 5 4745 Meters Frame 17



Cruise 54 Cam Stn 6 4668 Meters Frame 2



Cruise 54 Cam Stn 6 4668 Meters Frame 4



Cruise 54 Cam Stn 6 4668 Meters Frame 7



Cruise 54 Cam Stn 6 4668 Meters Frame 15



Cruise 54

Cam Stn 7

1907 Meters

Frame 14

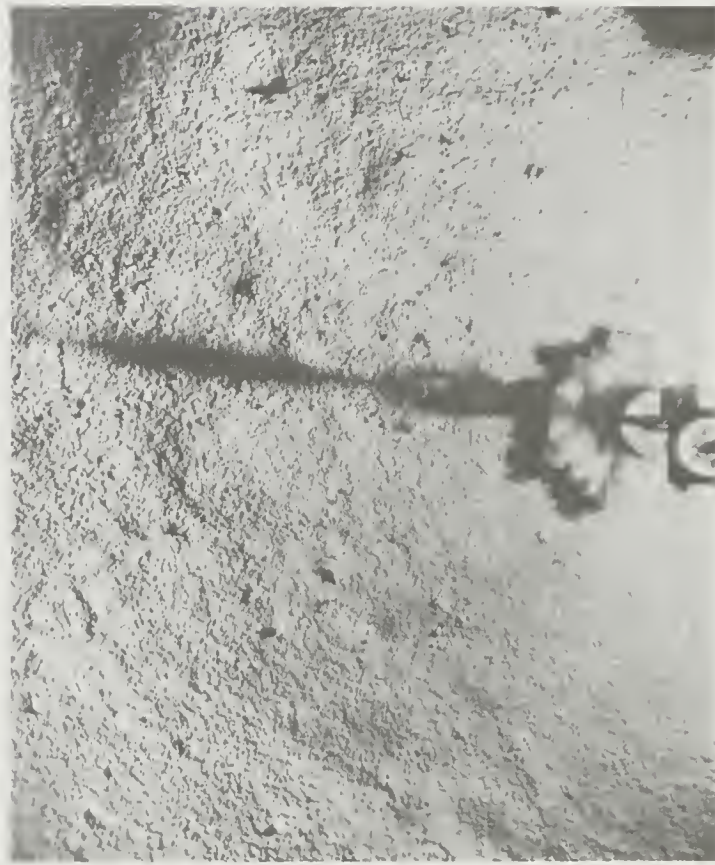


Cruise 54

Cam Stn 7

1907 Meters

Frame 17



Cruise 54

Cam Stn 7

1907 Meters

Frame 18



Cruise 54

Cam Stn 8

4120 Meters

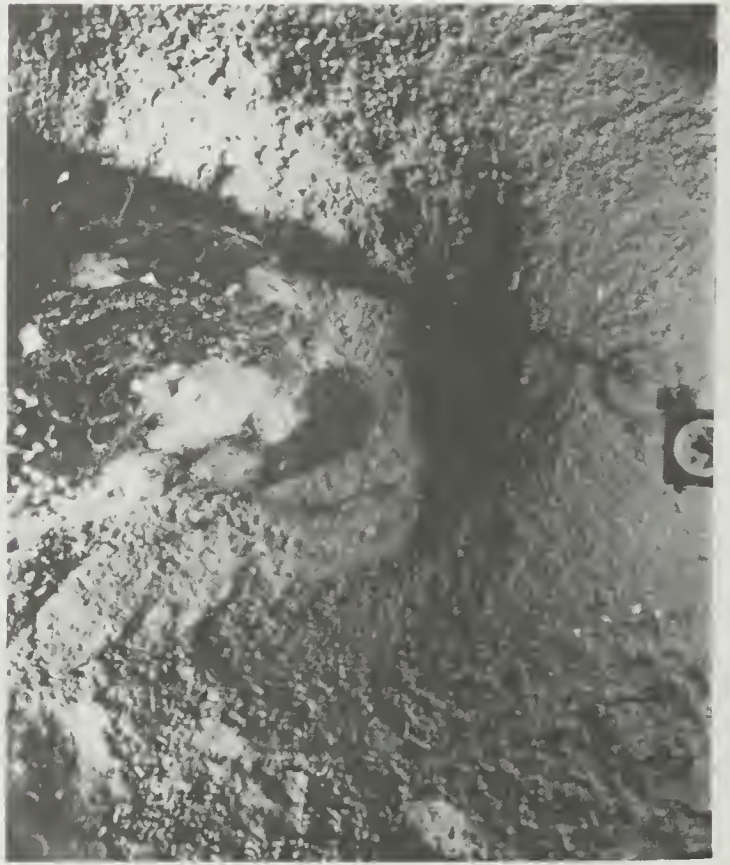
Frame 9



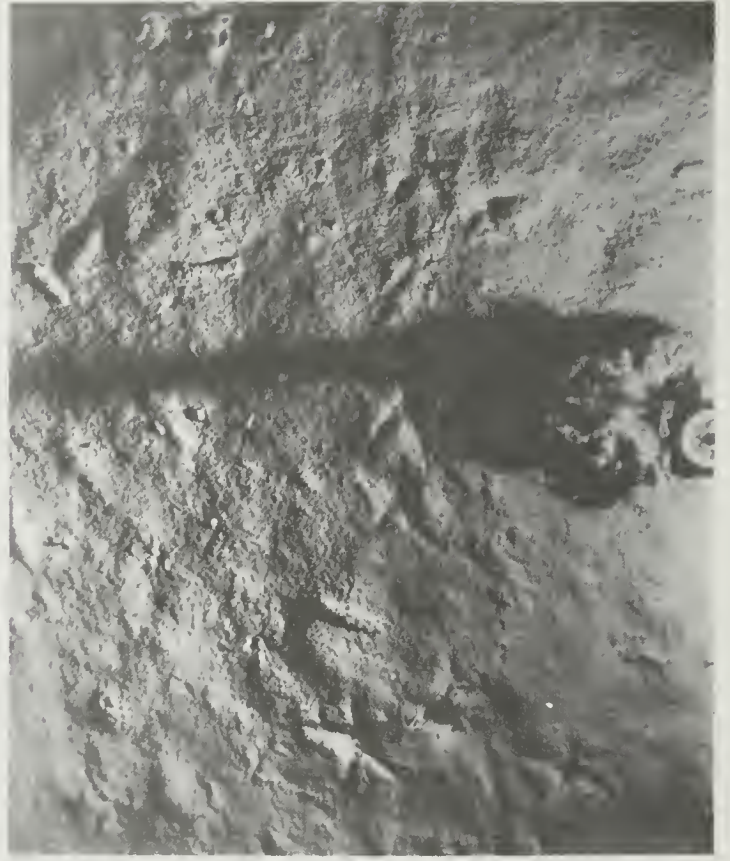
Cruise 54 Cam Stn 8 4120 Meters Frame 13



Cruise 54 Cam Stn 9 1765 Meters Frame 5



Cruise 54 Cam Stn 9 1765 Meters Frame 8



Cruise 54 Cam Stn 10 4611 Meters Frame 4



Cruise 54 Cam Stn 10 4611 Meters Frame 9



Cruise 54 Cam Stn 10 4611 Meters Frame 15



Cruise 54 Cam Stn 11 4454 Meters Frame 1

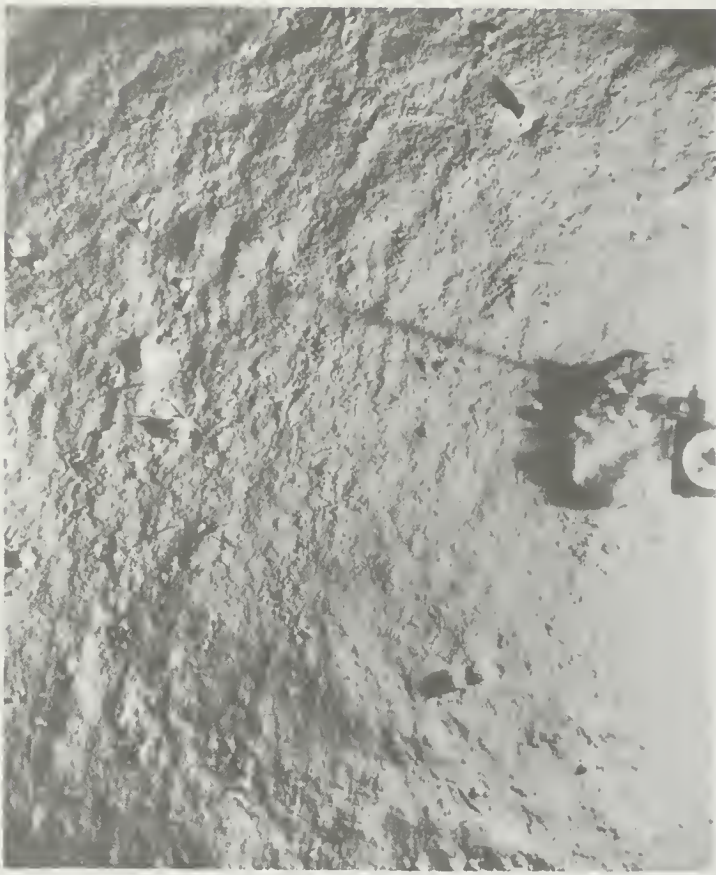


Cruise 54 Cam Stn 11 4454 Meters Frame 19

Bottom



Cruise 54 Cam Stn 12 4363 Meters Frame 1



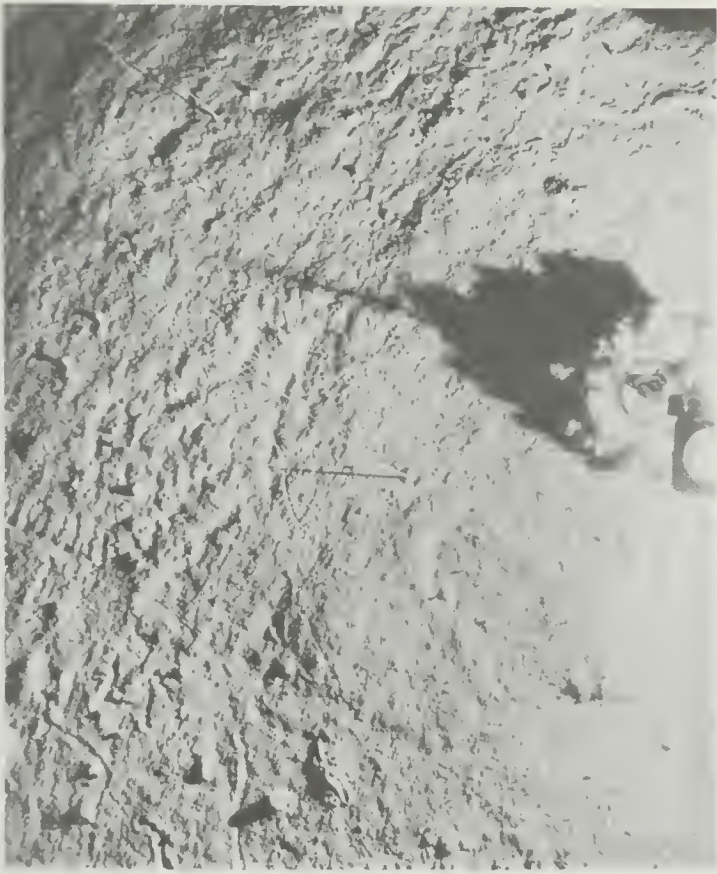
Cruise 54 Cam Stn 13 4454 Meters Frame 1A



Cruise 54 Cam Stn 13 4454 Meters Frame 3



Cruise 54 Cam Stn 13 4454 Meters Frame 6



Cruise 54

Cam Stn 14

3469 Meters

Frame 15



Cruise 54

Cam Stn 15

3833 Meters

Frame 3



Cruise 54

Cam Stn 14

3469 Meters

Frame 10



Cruise 54

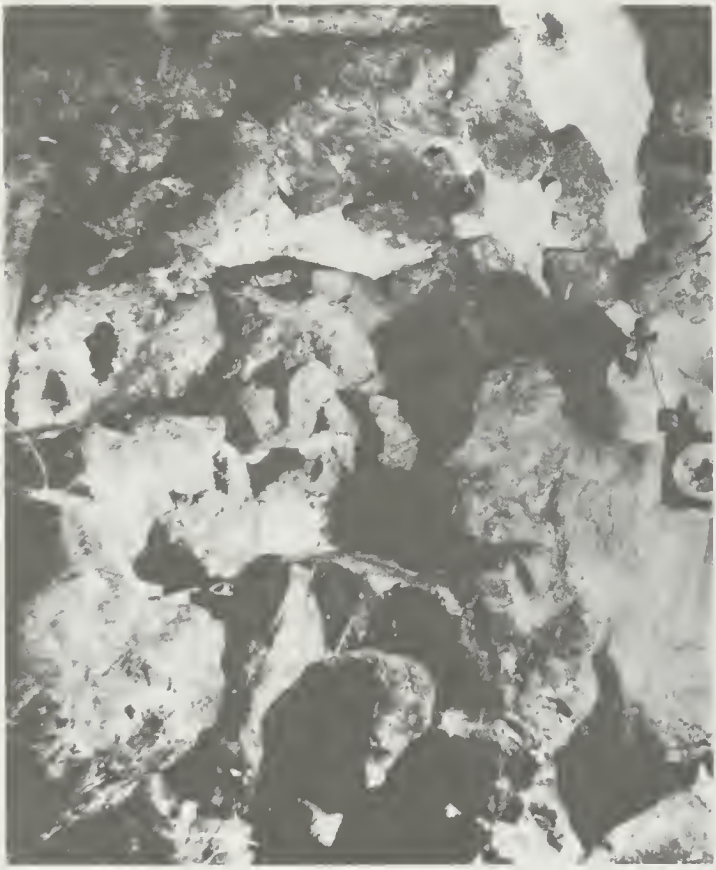
Cam Stn 15

3833 Meters

Frame 1



Cruise 54 Cam Stn 15 3833 Meters Frame 8



Cruise 54 Cam Stn 15 3833 Meters Frame 16



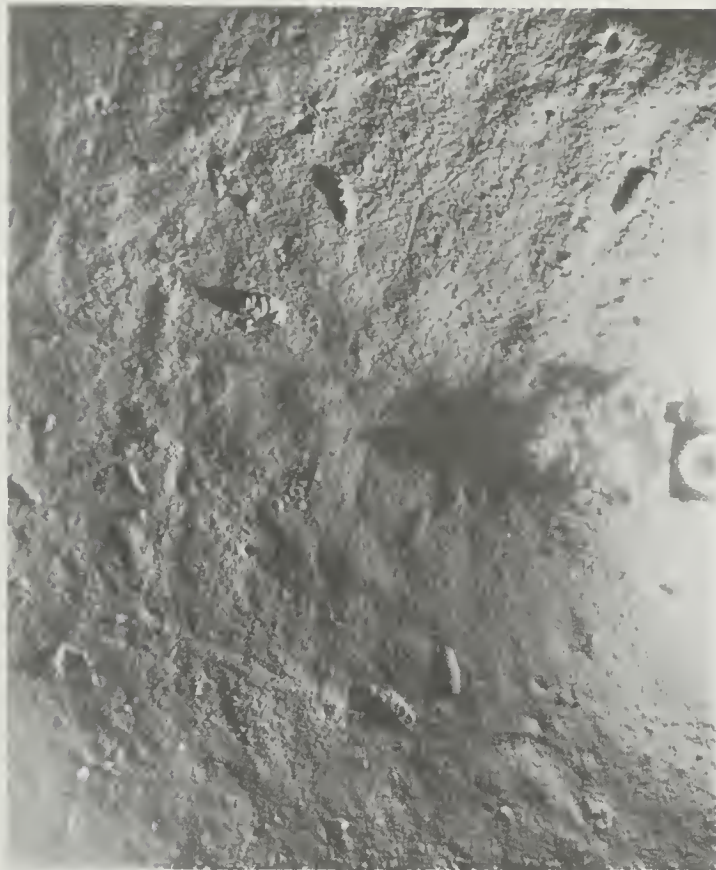
Cruise 54 Cam Stn 16 4697 Meters Frame 3



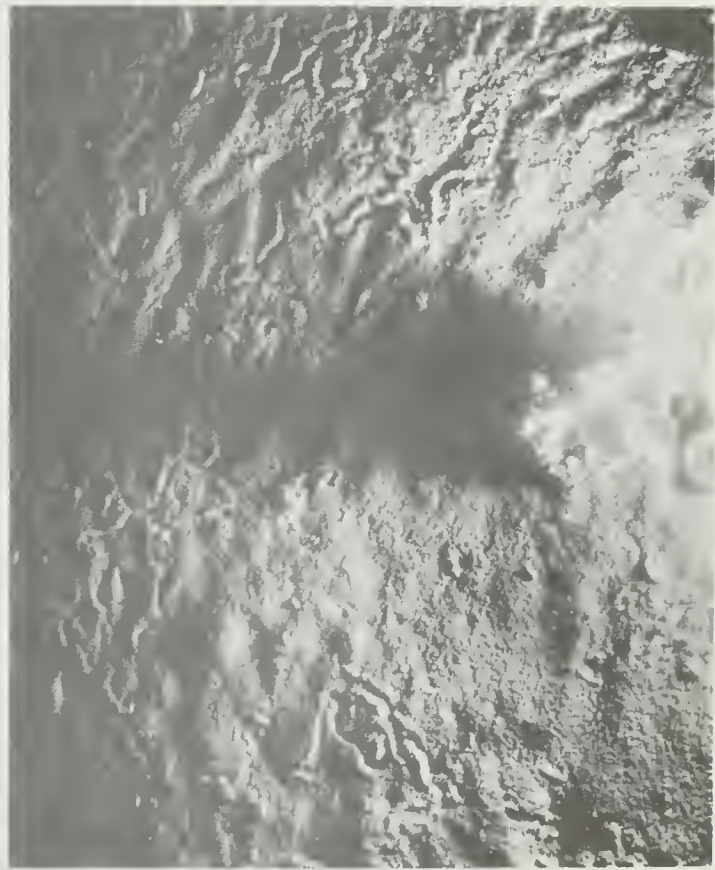
Cruise 54 Cam Stn 16 4697 Meters Frame 6



Cruise 54 Cam Stn 16 4697 Meters Frame 8



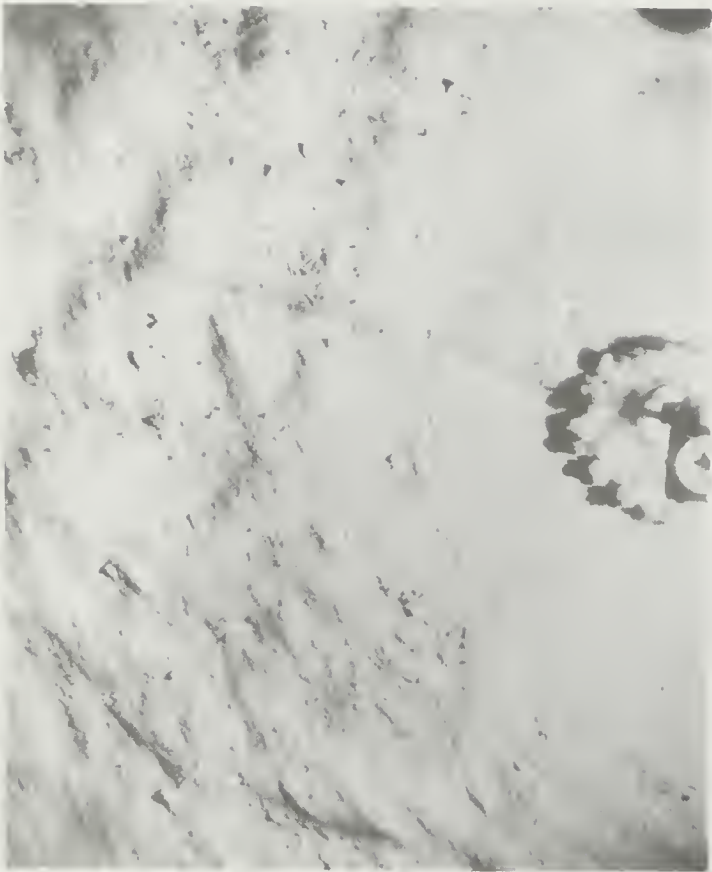
Cruise 54 Cam Stn 16 4697 Meters Frame 11



Cruise 54 Cam Stn 16 4697 Meters Frame 15



Cruise 54 Cam Stn 17 4399 Meters Frame 3



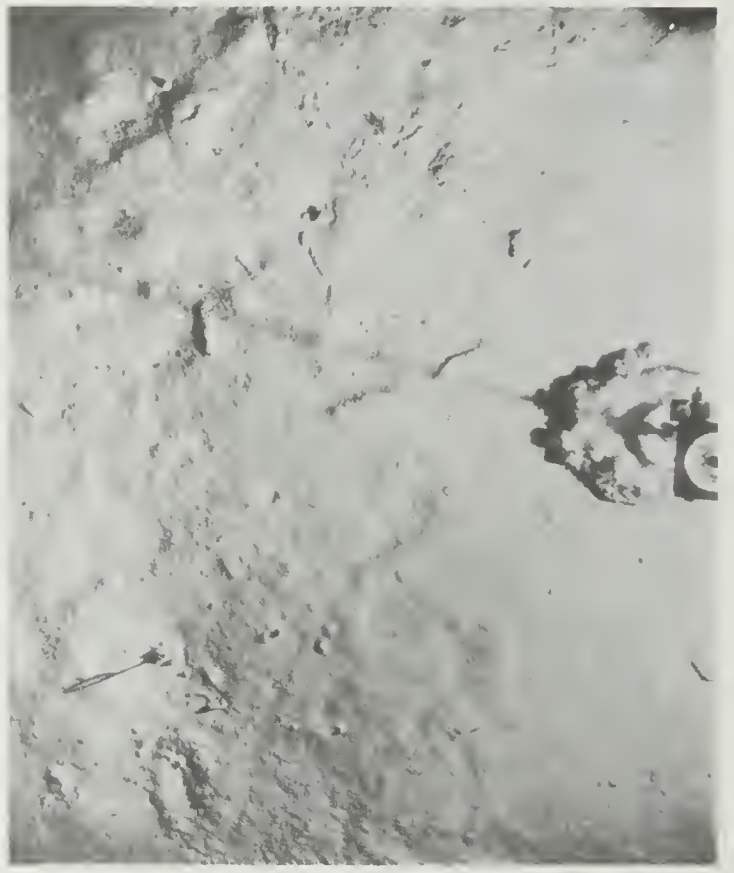
Cruise 54 Cam Stn 17 4399 Meters Frame 10



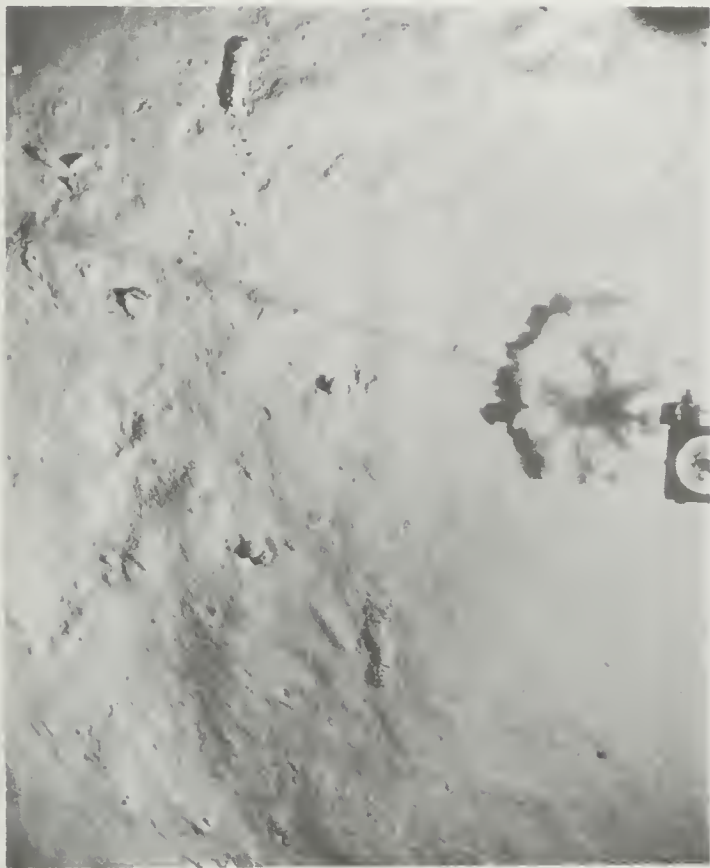
Cruise 54 Cam Stn 17 4399 Meters Frame 15



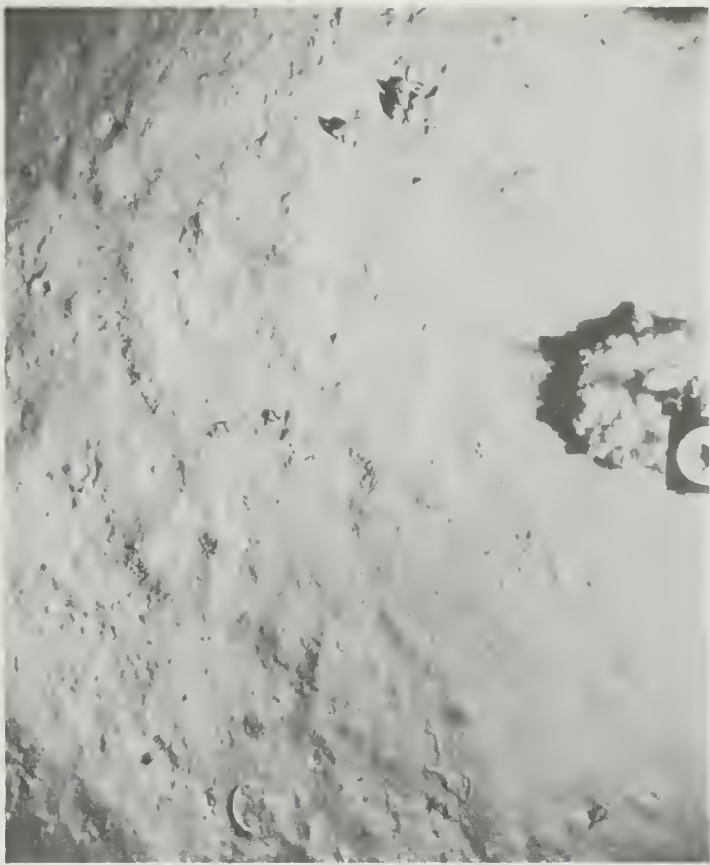
Cruise 54 Cam Stn 17 4399 Meters Frame 17



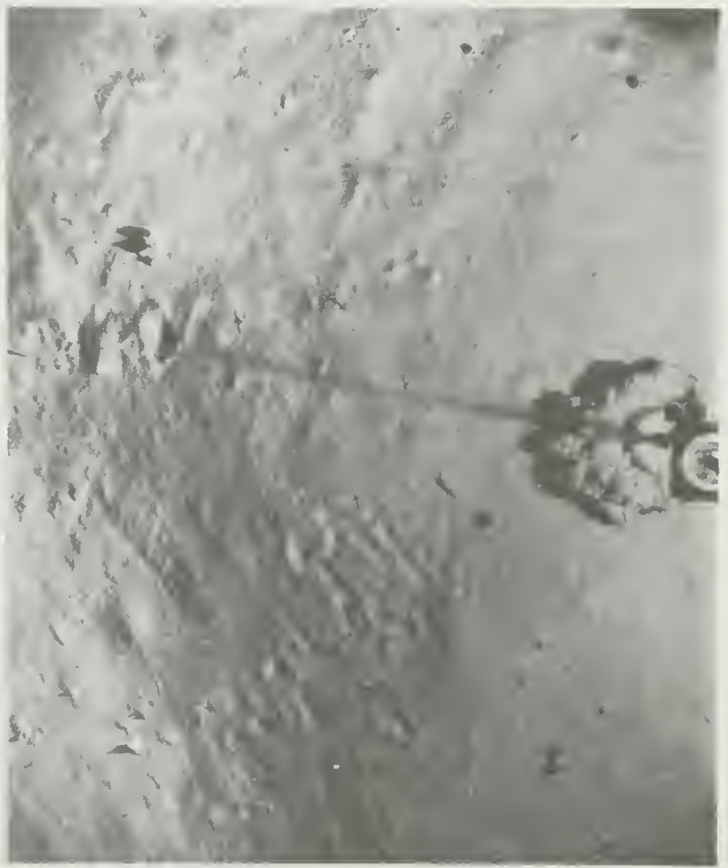
Cruise 54 Cam Stn 18 4271 Meters Frame 5



Cruise 54 Cam Stn 18 4271 Meters Frame 9



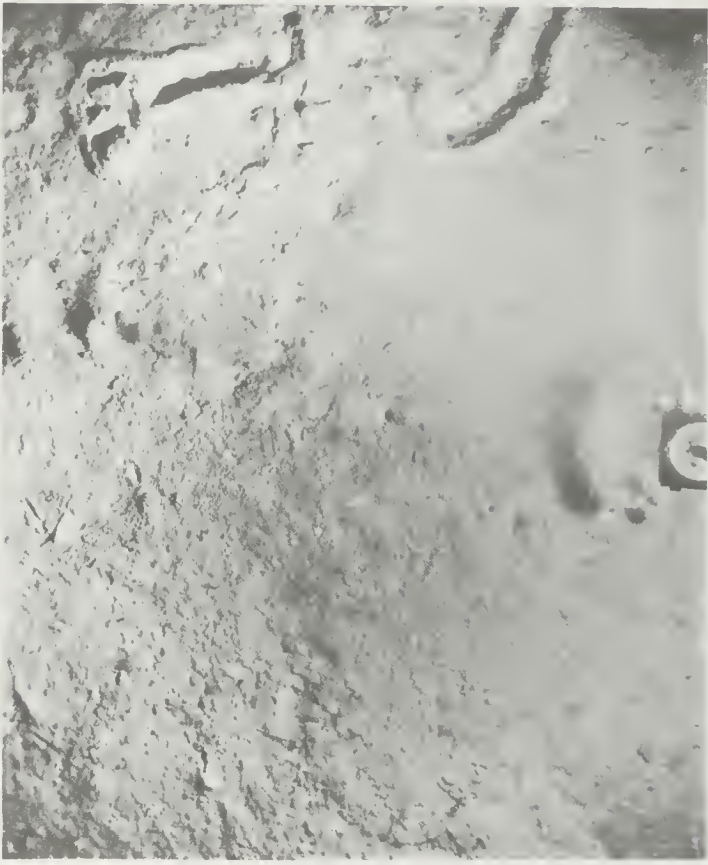
Cruise 54 Cam Stn 18 4271 Meters Frame 11



Cruise 54 Cam Stn 18 4271 Meters Frame 13



Cruise 55 Cam Stn 1 3656 Meters Frame 2



Cruise 55
Cam Stn 2
2792 Meters
Frame 7



Cruise 55
Cam Stn 3
2080 Meters
Frame 1

Bottom



Cruise 55
Cam Stn 1
3656 Meters
Frame 7



Cruise 55
Cam Stn 2
2792 Meters
Frame 9

Bottom



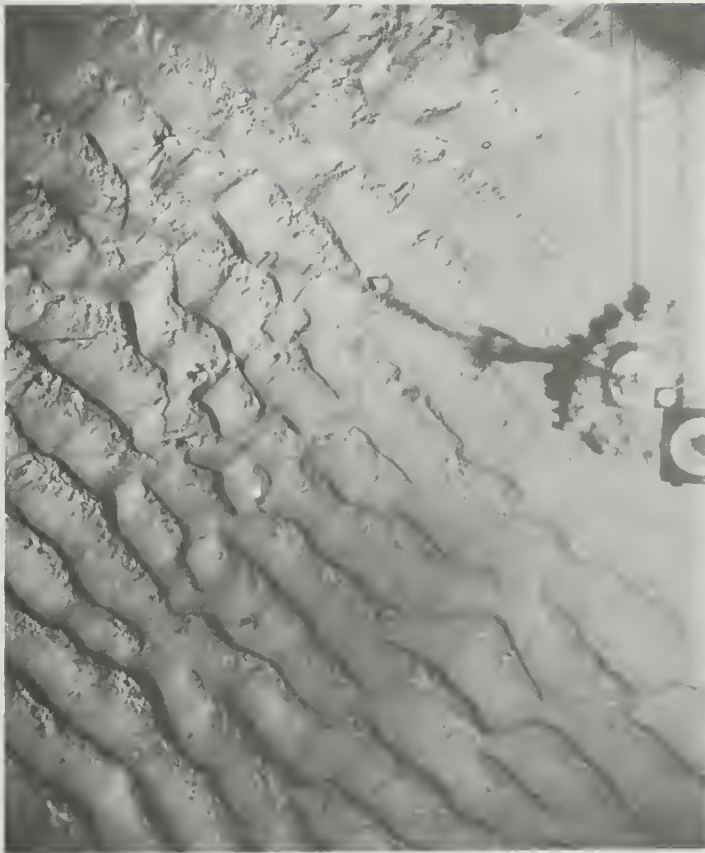
Bottom

Cruise 55 Cam Stn 5 1877 Meters Frame 1

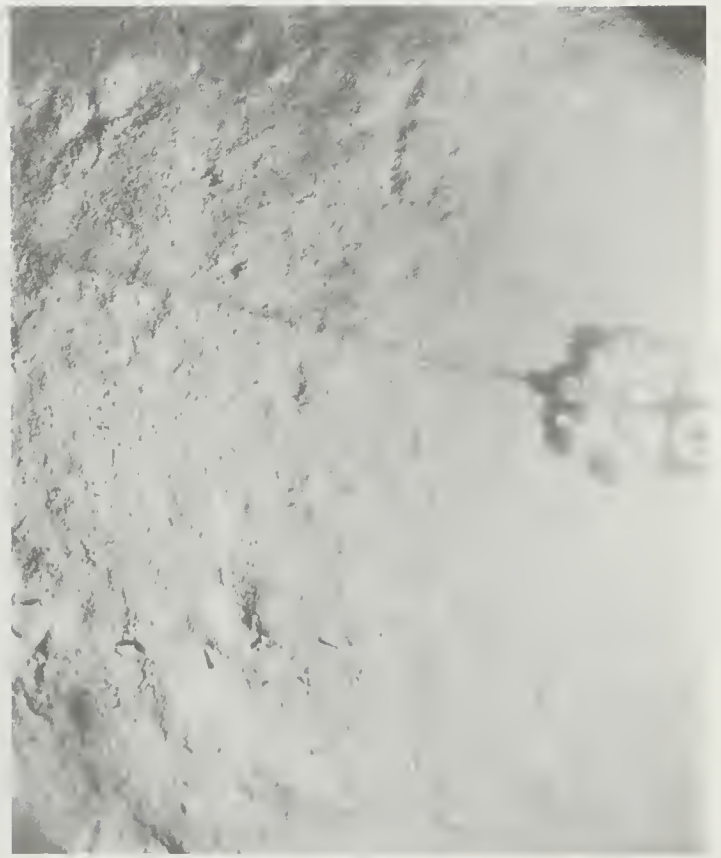


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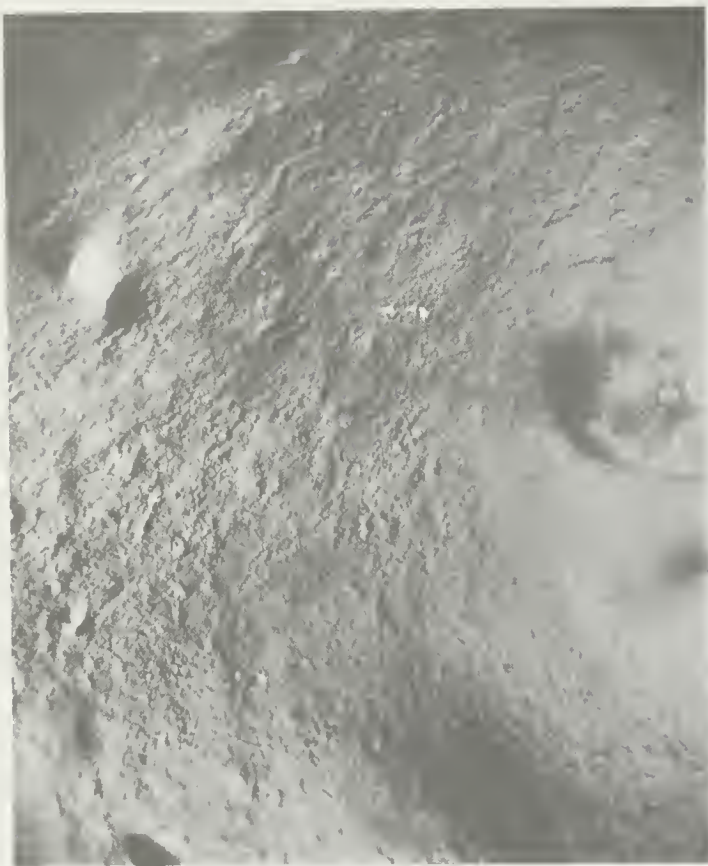
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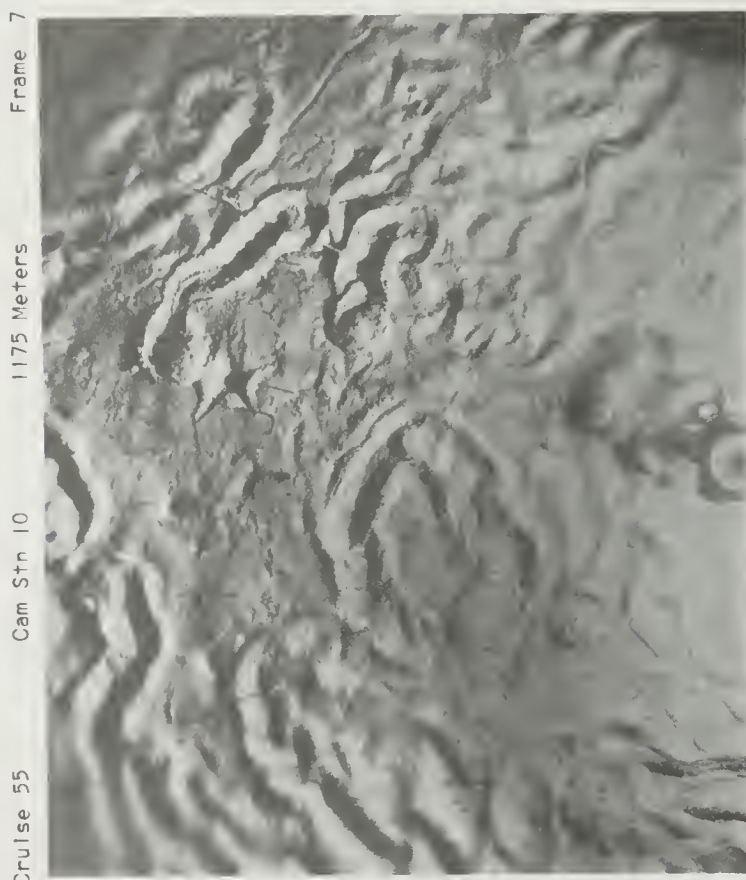
Cruise 55 Cam Stn 4 1877 Meters Frame 2



Cruise 55 Cam Stn 7 1533 Meters Frame 5



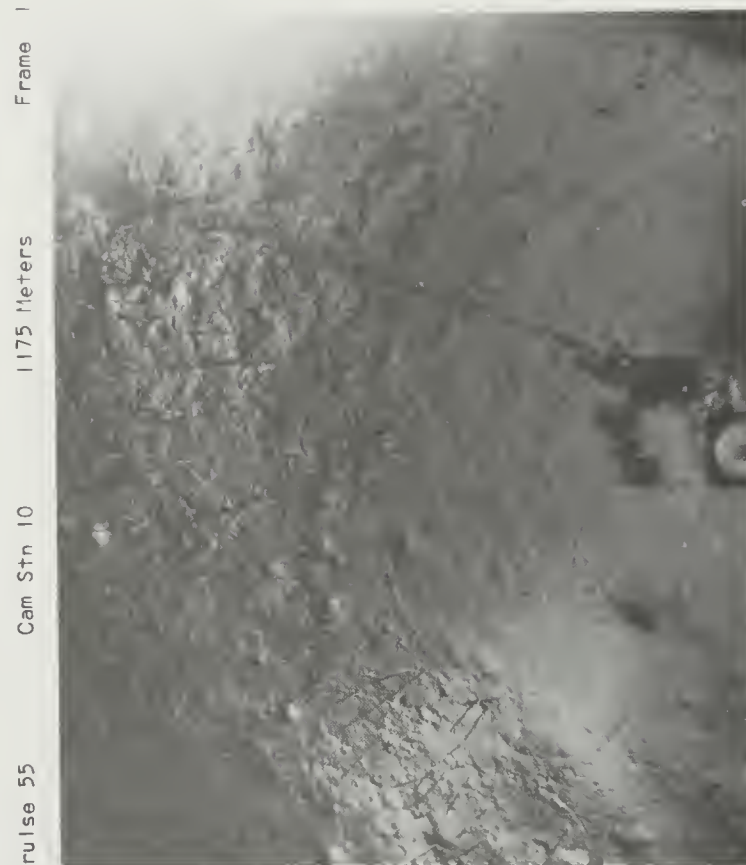
Cruise 55 Cam Stn 8 1119 Meters Frame 14



Cruise 55 Cam Stn 10 1175 Meters Frame 7



Cruise 55 Cam Stn 8 1119 Meters Frame 3



Cruise 55 Cam Stn 10 1175 Meters Frame 1



Cruise 55

Cam Stn 12

2434 Meters

Frame 11



Cruise 55

Cam Stn 13

4077 Meters

Frame 3



Cruise 55

Cam Stn 14

4438 Meters

Frame 6

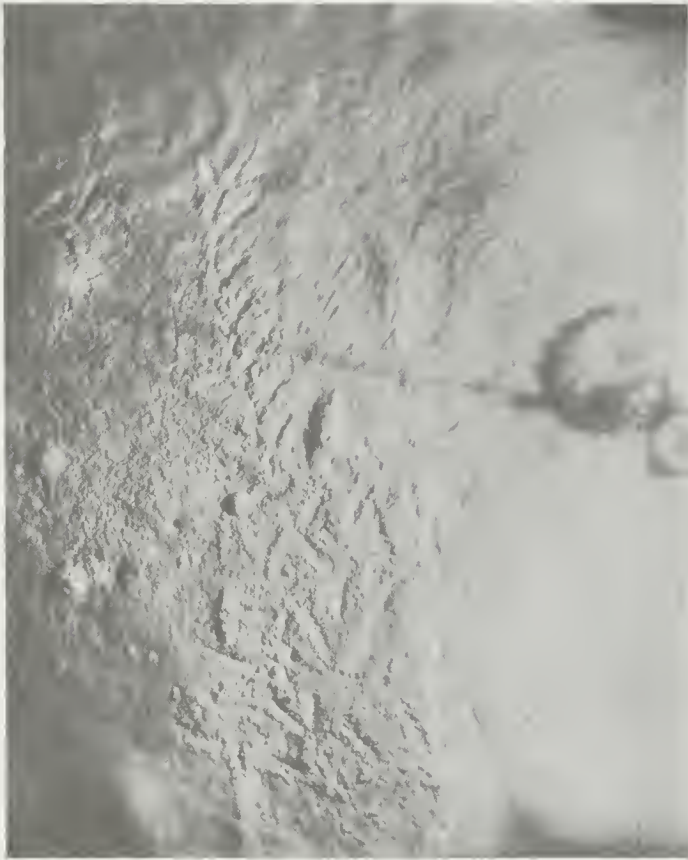


Cruise 55

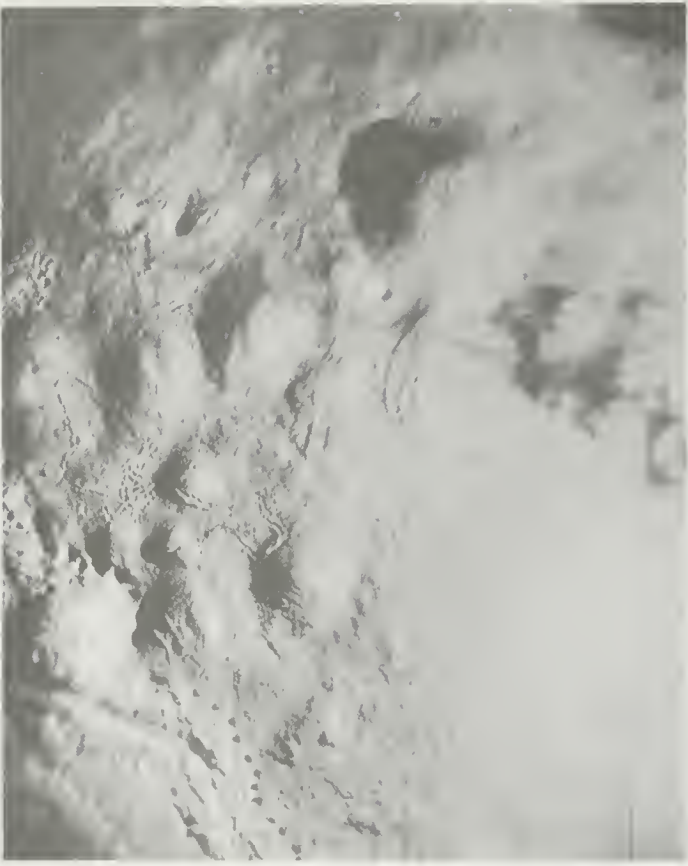
Cam Stn 14

4438 Meters

Frame 8



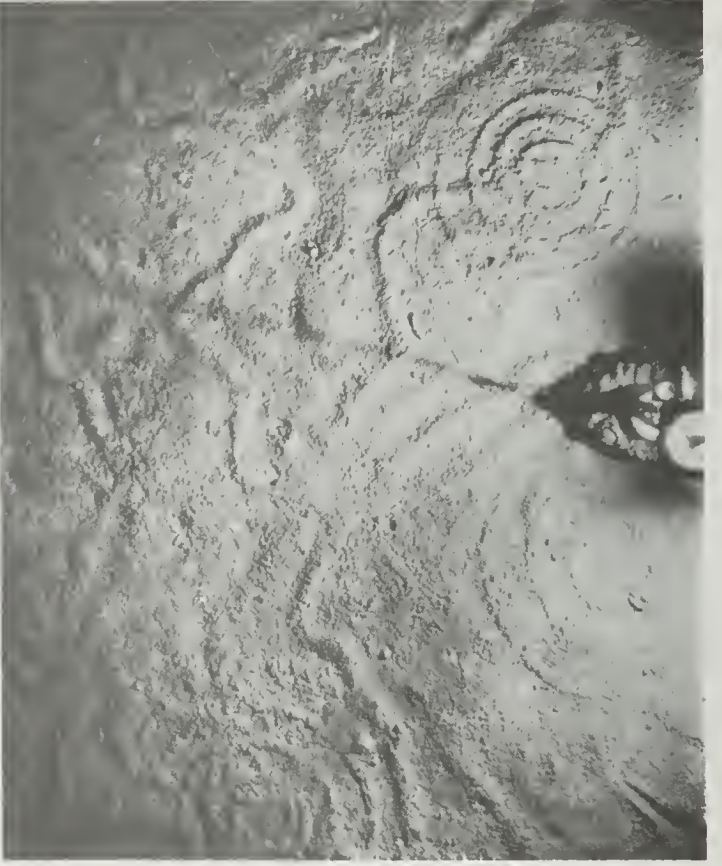
Cruise 55 Cam Stn 15 4827 Meters Frame 10



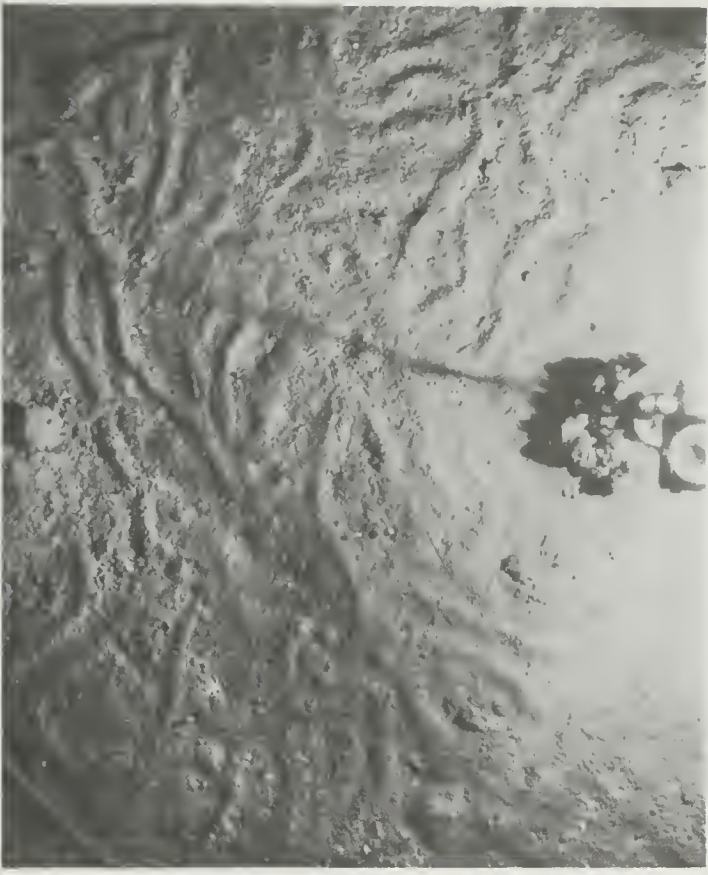
Cruise 55 Cam Stn 15 4827 Meters Frame 12



Cruise 55 Cam Stn 16 5116 Meters Frame 2



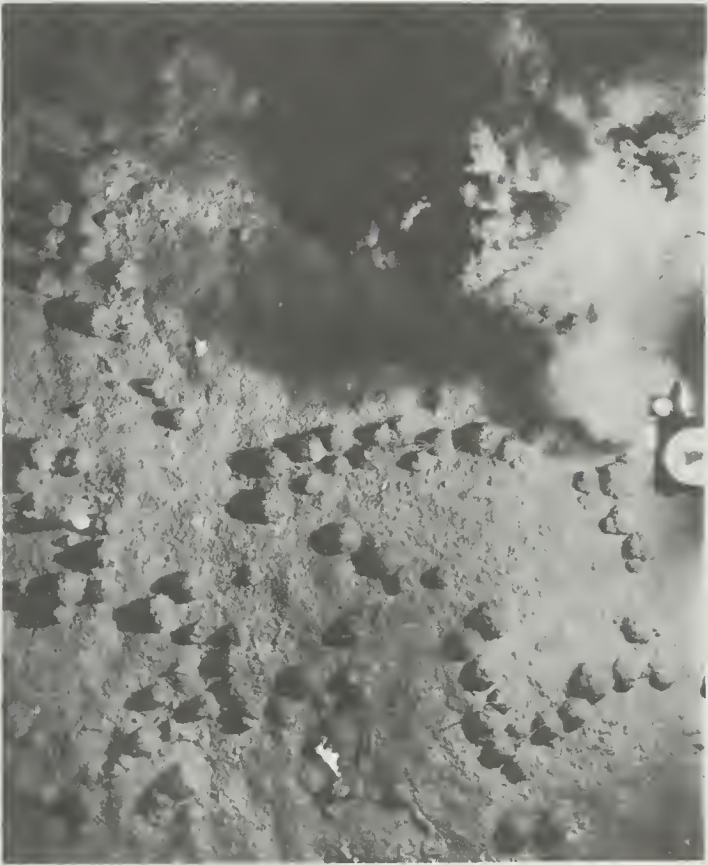
Cruise 55 Cam Stn 18 5096 Meters Frame 6



Cruise 55 Cam Stn 20 4750 Meters Frame 1



Cruise 55 Cam Stn 21 3535 Meters Frame 24

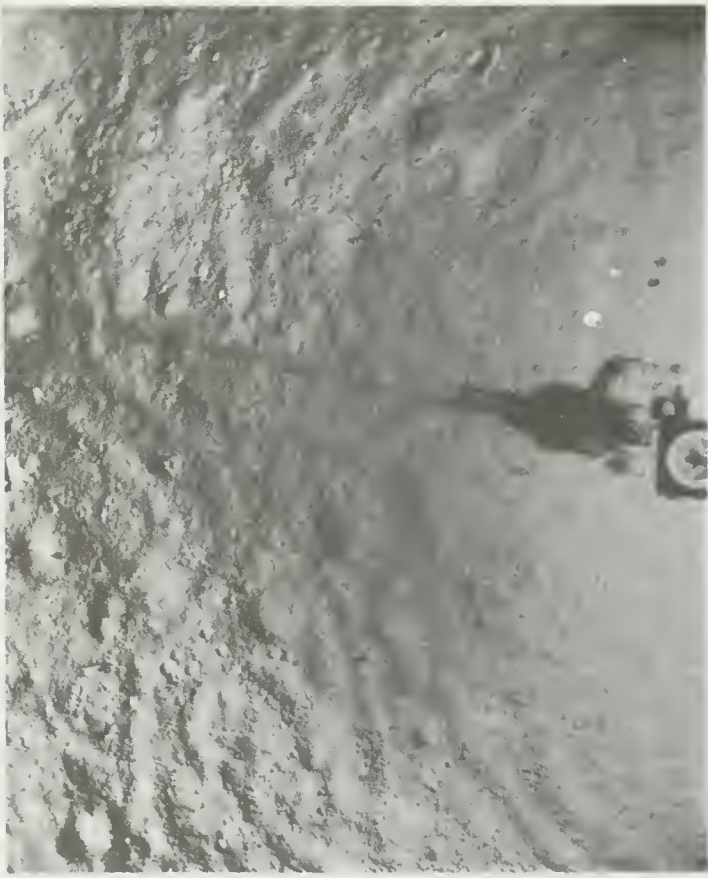


Cruise 55 Cam Stn 18 5096 Meters Frame 9



Cruise 55 Cam Stn 21 3535 Meters Frame 17

Bottom



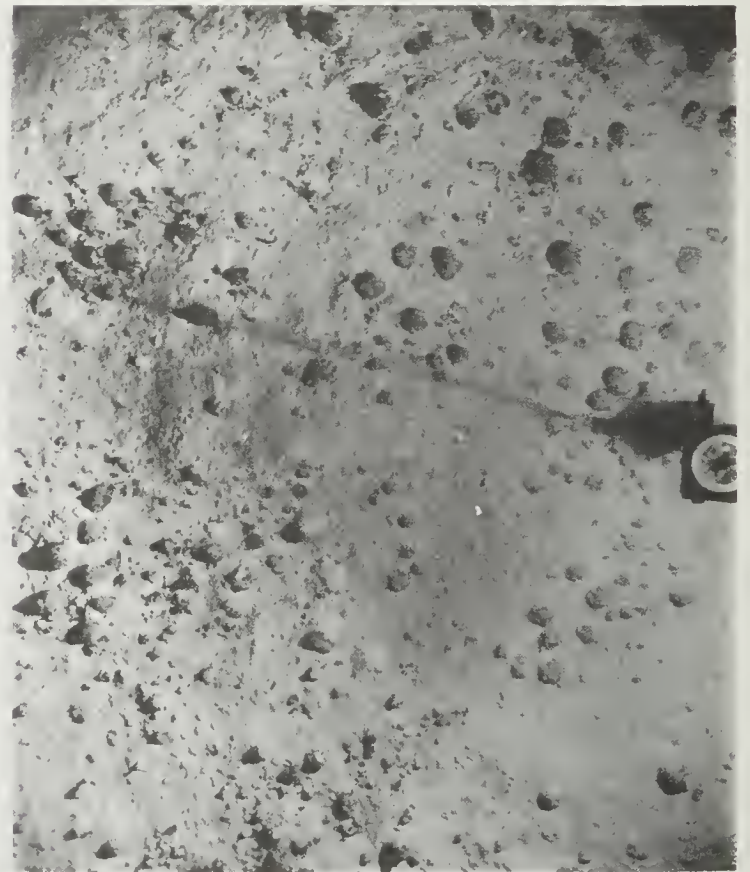
Cruise 55 Cam Stn 22 4030 Meters Frame 2



Cruise 55 Cam Stn 22 4030 Meters Frame 13



Cruise 55 Cam Stn 21 3535 Meters Frame 26



Cruise 55 Cam Stn 22 4030 Meters Frame 12

ELTANIN HYDROGRAPHIC STATIONS, Cruises 4-55

The following Marsden square-indexed tabulation includes most hydrographic/STD stations occupied by the USNS Eltanin during cruises 4 through 55. Stations are listed chronologically within each Marsden square. A few STD stations taken auxiliary to biological investigations are missing, along with some maximum sample and sonic depths.

Lamont stations were numbered consecutively from Cruise 4. Stations taken by other institutions were usually numbered consecutively within each cruise. On several cruises observations were made close to the sea floor, resulting in some sample depths exceeding sonic depths. After the elimination of STD/thermometer calibration/malfunction as a cause, differences can remain due to steep bottom slopes or inaccuracies in sound velocity corrections. In the listing, MAR=Marsden square, MOYR=month and year, DPTH=(corrected)sonic depth, SMPL=maximum sample depth, CR=cruise number, M=0 for serial stations, 1 and 2 for STD stations.



| MAR | LATITUDE | LONGITUDE | MOYR | DEPTH | SAMPL | CHEMISTRY | CR | STN | M | MAR | LATITUDE | LONGITUDE | MOYR | DEPTH | SAMPL | CHEMISTRY | CR | STN | M |
|-----|----------|-----------|------|-------|-------|-------------|----|-------|---|-----|----------|-----------|------|-------|-------|----------------|----|--------|---|
| 379 | 28 15.8S | 71 15.0W | C667 | 113 | 90 | OX SI PC NA | 29 | 86 0 | | 391 | 28 11.5S | 166 45.4E | 0767 | 3424 | 3361 | CX SI PC NA | 29 | 168 0 | |
| 379 | 28 15.0S | 71 18.3W | C667 | 978 | 997 | CX SI PC NA | 29 | 87 0 | | 391 | 28 09.7S | 165 44.8E | C767 | 3409 | 3364 | OX SI PC NA | 29 | 169 0 | |
| 379 | 28 15.1S | 71 39.4W | C667 | 3358 | 3314 | CX SI PC NA | 29 | 88 0 | | 391 | 28 12.1S | 164 43.6E | C767 | 3392 | 3381 | CX SI PC NA | 29 | 170 0 | |
| 379 | 28 16.5S | 72 04.9W | C667 | 6372 | 6380 | CX SI PC NA | 29 | 89 0 | | 391 | 28 13.5S | 162 50.0E | C767 | 1836 | 1812 | CX SI PC NA | 29 | 171 0 | |
| 379 | 28 15.0S | 72 55.0W | C667 | 4290 | 4254 | OX SI PC NA | 29 | 90 0 | | 391 | 28 12.1S | 162 51.4E | 0767 | 1170 | 1021 | CX SI PC NA | 29 | 172 0 | |
| 379 | 28 15.4S | 73 41.6W | C667 | 4018 | 4010 | OX SI PC NA | 29 | 91 0 | | 391 | 28 15.3S | 161 55.4E | 0767 | 1509 | 1393 | OX SI PC NA | 29 | 173 0 | |
| 379 | 28 12.8S | 74 35.8W | C667 | 3926 | 3879 | OX SI PC NA | 29 | 92 0 | | 391 | 28 18.9S | 160 56.8E | 0767 | 1750 | 1674 | OX SI PC NA | 29 | 174 0 | |
| 379 | 28 14.6S | 75 21.3W | C667 | 4276 | 4262 | CX SI PC NA | 29 | 93 0 | | 391 | 28 15.2S | 160 05.5E | C767 | 2723 | 2645 | OX SI PC NA | 29 | 175 0 | |
| 379 | 28 18.4S | 77 09.8W | C667 | 4257 | 3841 | CX SI PC NA | 29 | 94 0 | | 392 | 28 14.7S | 159 02.5E | C767 | 3418 | 3250 | CX SI PC NA | 29 | 176 0 | |
| 379 | 28 15.7S | 79 07.3W | C667 | 4075 | 4086 | OX SI PC NA | 29 | 95 0 | | 392 | 28 14.9S | 158 07.0E | 0767 | 2132 | 2043 | CX SI PC NA | 29 | 177 0 | |
| 380 | 28 15.8S | 80 59.7W | C667 | 3864 | 3824 | OX SI PC NA | 29 | 96 0 | | 392 | 28 09.4S | 157 11.2E | C767 | 3391 | 3353 | CX SI PC NA | 29 | 178 0 | |
| 380 | 28 13.2S | 82 52.2W | C667 | 4000 | 3885 | SI PC NA | 29 | 97 0 | | 392 | 28 10.3S | 156 33.7E | C767 | 4552 | 4513 | CX SI PC NA | 29 | 179 0 | |
| 380 | 28 15.1S | 84 46.9W | C667 | 3733 | 3431 | CX SI PC NA | 29 | 98 0 | | 392 | 28 14.2S | 155 50.7E | C767 | 4245 | 4167 | CX SI PC NA | 29 | 180 0 | |
| 380 | 28 15.1S | 86 35.5W | C667 | 3842 | 3713 | OX SI PC NA | 29 | 99 0 | | 392 | 28 14.3S | 155 15.2E | C767 | 4475 | 4158 | CX SI PC NA | 29 | 181 0 | |
| 380 | 28 14.6S | 88 33.4W | C667 | 3641 | 3598 | OX SI PC NA | 29 | 100 0 | | 392 | 28 14.6S | 154 45.6E | 0767 | 4782 | 4756 | CX SI PC NA | 29 | 182 0 | |
| 381 | 28 15.0S | 90 27.0W | C667 | 3427 | 3392 | CX SI PC NA | 29 | 101 0 | | 392 | 28 22.0S | 154 20.5E | C767 | 2599 | 2496 | CX SI PC NA | 29 | 183 0 | |
| 381 | 28 13.6S | 92 19.9W | C667 | 3552 | 3590 | CX SI PC NA | 29 | 102 0 | | 392 | 28 20.0S | 154 03.4E | C767 | 1227 | 1225 | CX SI PC NA | 29 | 184 0 | |
| 381 | 28 14.6S | 94 13.2W | C667 | 3442 | 3519 | CX SI PC NA | 29 | 103 0 | | 392 | 28 11.4S | 152 50.0E | C767 | 126 | 116 | OX SI PC NA | 29 | 185 0 | |
| 381 | 28 12.6S | 95 59.3W | C667 | 3610 | 3580 | CX SI PC NA | 29 | 104 0 | | 398 | 29 59.0S | 95 58.1E | C970 | 3493 | 3495 | | 45 | 1243 0 | |
| 381 | 28 13.9S | 97 54.7W | C667 | 3632 | 3569 | OX SI PC NA | 29 | 105 0 | | 398 | 28 31.2S | 97 37.6E | C771 | 4033 | 3831 | OX SI PC NA | 48 | 1330 0 | |
| 381 | 28 12.5S | 99 54.8W | C667 | 3550 | 3520 | CX SI PC NA | 29 | 106 0 | | 398 | 28 30.5S | 93 30.2E | C771 | 3492 | 3166 | CX SI PC NA | 48 | 1331 0 | |
| 382 | 28 14.2S | 101 39.2W | C667 | 3493 | 3437 | OX SI PC NA | 29 | 107 0 | | 399 | 29 57.3S | 85 34.1E | C871 | 4212 | 4064 | CX SI PC NA | 48 | 1339 0 | |
| 382 | 28 16.2S | 103 36.8W | C667 | 3531 | 3403 | OX SI PC NA | 29 | 108 0 | | 415 | 39 02.0S | 75 36.0W | C862 | 3982 | 3921 | | 4 | 24 0 | |
| 382 | 28 14.2S | 105 28.7W | C667 | 3509 | 3338 | CX SI PC NA | 29 | 109 0 | | 415 | 34 54.0S | 74 59.0W | C862 | 4173 | 3899 | | 4 | 25 0 | |
| 382 | 28 14.9S | 107 25.6W | C667 | 3098 | 3150 | CX SI PC NA | 29 | 110 0 | | 415 | 37 29.0S | 73 54.0W | C962 | 787 | 761 | | 5 | 26 0 | |
| 382 | 28 15.1S | 109 16.6W | C667 | 2959 | 2901 | CX SI PC NA | 29 | 111 0 | | 415 | 33 02.0S | 71 47.0W | 1165 | 153 | 124 | SI PC | 21 | 497 0 | |
| 383 | 28 15.6S | 111 12.1W | C667 | 2990 | 2871 | OX SI PC NA | 29 | 112 0 | | 415 | 33 15.0S | 75 20.0W | 1165 | 4452 | 522 | SI PO | 21 | 498 0 | |
| 383 | 28 17.7S | 113 00.5W | C667 | 2460 | 2484 | OX SI PC NA | 29 | 113 0 | | 415 | 35 10.4S | 77 41.5W | C567 | 3581 | 3862 | CX SI PC NA | 28 | 79 0 | |
| 383 | 28 16.0S | 114 56.4W | C667 | 3120 | 3080 | CX SI PC NA | 29 | 114 0 | | 415 | 35 12.5S | 76 41.0W | C567 | 3906 | 3903 | CX SI PC NA | 28 | 80 0 | |
| 383 | 28 14.2S | 116 50.0W | C667 | 3400 | 3310 | OX SI PC NA | 29 | 115 0 | | 415 | 35 20.3S | 75 45.0W | C567 | 4158 | 3936 | OX SI PC NA | 28 | 81 0 | |
| 383 | 28 15.5S | 118 39.8W | C667 | 3826 | 3485 | OX SI PC NA | 29 | 116 0 | | 415 | 35 16.3S | 74 53.7W | C567 | 4216 | 4215 | OX SI PC NA | 28 | 82 0 | |
| 384 | 28 13.0S | 120 31.7W | C667 | 3563 | 3450 | OX SI PC NA | 29 | 117 0 | | 415 | 35 16.0S | 74 06.5W | C567 | 5115 | 5059 | CX SI PC NA | 28 | 83 0 | |
| 384 | 28 15.5S | 122 24.0W | C667 | 3480 | 3417 | OX SI PC NA | 29 | 118 0 | | 415 | 35 15.6S | 73 24.6E | C567 | 2398 | 2357 | CX SI PC NA | 28 | 84 0 | |
| 384 | 28 15.9S | 124 21.5W | C667 | 3627 | 3555 | OX SI PC NA | 29 | 119 0 | | 415 | 35 15.3S | 72 51.0W | C567 | 554 | 499 | OX SI PC NA | 28 | 85 0 | |
| 384 | 28 14.1S | 126 13.0W | C667 | 3699 | 3651 | CX SI PC NA | 29 | 120 0 | | 416 | 33 45.0S | 80 41.0W | 1165 | 159 | 100 | SI PC | 21 | 499 0 | |
| 384 | 28 14.3S | 128 06.9W | C667 | 3981 | 3882 | CX SI PC NA | 29 | 121 0 | | 417 | 35 54.0S | 96 55.0W | 1265 | 3795 | 3633 | OX SI PC NA PH | 21 | 500 0 | |
| 385 | 28 16.0S | 130 02.8W | C667 | 4223 | 4120 | OX SI PC NA | 29 | 122 0 | | 418 | 35 56.0S | 107 24.0W | 1265 | 3416 | 3336 | CX SI PC NA PH | 21 | 501 0 | |
| 385 | 28 17.5S | 131 56.5W | C667 | 4232 | 4081 | CX SI PC NA | 29 | 123 0 | | 420 | 37 02.0S | 129 59.0W | C866 | 3217 | 3567 | CX | 24 | 585 0 | |
| 385 | 28 17.6S | 133 46.4W | C667 | 4184 | 4128 | OX SI PC NA | 29 | 124 0 | | 420 | 35 30.0S | 127 24.0W | C866 | 4617 | 4465 | CX | 24 | 586 0 | |
| 385 | 28 18.0S | 135 37.2W | C667 | 4150 | 4081 | CX SI PC NA | 29 | 125 0 | | 420 | 39 28.0S | 124 54.0W | C866 | 4543 | 4408 | CX SI | 24 | 588 0 | |
| 385 | 28 18.8S | 137 26.8W | C667 | 4267 | 4091 | OX SI PC NA | 29 | 126 0 | | 420 | 35 02.0S | 125 02.0W | C866 | 4005 | 3983 | CX SI | 24 | 589 0 | |
| 385 | 28 13.6S | 139 20.3W | C667 | 4056 | 3952 | OX SI PC NA | 29 | 127 0 | | 421 | 37 59.0S | 134 53.0W | C866 | 5001 | 4736 | CX | 24 | 580 0 | |
| 386 | 28 15.1S | 141 11.2W | C667 | 3857 | 3691 | OX SI PC NA | 29 | 128 0 | | 421 | 26 00.0S | 134 25.0W | C866 | 4951 | 4698 | CX | 24 | 581 0 | |
| 386 | 28 14.1S | 143 09.1W | C667 | 3129 | 3094 | CX SI PC NA | 29 | 129 0 | | 421 | 35 55.0S | 132 36.0W | C866 | 4869 | 3465 | CX SI | 24 | 582 0 | |
| 386 | 28 15.0S | 145 01.9W | C767 | 4395 | 4372 | CX SI PC NA | 29 | 130 0 | | 421 | 39 37.0S | 130 07.0W | C866 | 4872 | 4851 | CX | 24 | 584 0 | |
| 386 | 28 14.2S | 146 51.5W | 0767 | 4488 | 4440 | CX SI PC NA | 29 | 131 0 | | 422 | 38 02.0S | 140 03.0W | C866 | 4909 | 4619 | CX | 24 | 576 0 | |
| 386 | 28 13.8S | 148 47.0W | C767 | 4716 | 4665 | OX SI PC NA | 29 | 132 0 | | 423 | 39 57.0S | 150 01.0W | C766 | 5184 | 5026 | CX | 24 | 568 0 | |
| 387 | 28 14.6S | 150 51.0W | C767 | 3859 | 3927 | OX SI PC NA | 29 | 133 0 | | 423 | 35 14.0S | 159 57.0W | C969 | 5224 | | | 40 | 22 0 | |
| 387 | 28 13.4S | 152 36.0W | 0767 | 5038 | 4850 | CX SI PC NA | 29 | 134 0 | | 424 | 39 33.0S | 167 56.0W | C969 | 5014 | | | 40 | 17 0 | |
| 387 | 28 15.6S | 154 26.0W | C767 | 5205 | 5092 | OX SI PC NA | 29 | 135 0 | | 424 | 38 56.0S | 166 46.0W | C569 | 4947 | | | 40 | 18 0 | |
| 387 | 28 17.6S | 156 16.0W | 0767 | 5333 | 5314 | OX SI PC NA | 29 | 136 0 | | 424 | 37 59.0S | 164 59.0W | C569 | 5374 | | | 40 | 19 0 | |
| 387 | 28 12.5S | 158 12.0W | C767 | 5302 | 5200 | CX SI PC NA | 29 | 137 0 | | 424 | 37 05.0S | 163 20.0W | C969 | 5400 | | | 40 | 20 0 | |
| 387 | 22 16.0S | 159 20.0W | 1069 | 4736 | | | 40 | 69 0 | | 424 | 36 10.0S | 161 36.0W | C969 | 5347 | | | 40 | 21 0 | |
| 388 | 28 16.1S | 160 06.1W | C767 | 4691 | 4454 | OX SI PC NA | 29 | 138 0 | | 424 | 35 14.0S | 162 00.0W | C969 | 5489 | | | 40 | 23 0 | |
| 388 | 28 17.1S | 161 59.0W | C767 | 5351 | 5320 | CX SI PC NA | 29 | 139 0 | | 424 | 35 15.0S | 164 03.0W | C969 | 5343 | | | 40 | 24 0 | |
| 388 | 28 12.6S | 163 51.2W | C767 | 5547 | 5588 | CX SI PC NA | 29 | 140 0 | | 424 | 35 13.0S | 166 11.0W | C969 | 5432 | | | 40 | 25 0 | |
| 388 | 28 13.9S | 165 42.4W | 0767 | 5585 | 5345 | CX SI PC NA | 29 | 141 0 | | 424 | 35 15.0S | 168 10.0W | C569 | 5017 | | | 40 | 26 0 | |
| 388 | 28 18.0S | 167 27.0W | 0767 | 5539 | 5498 | OX SI PC NA | 29 | 142 0 | | 424 | 35 16.0S | 169 44.0W | C969 | 4586 | | | 40 | 27 0 | |
| 388 | 28 16.5S | 168 49.5W | C767 | 5503 | 5477 | OX SI PC NA | 29 | 143 0 | | 425 | 38 44.0S | 178 30.0E | C569 | 229 | | | 40 | 1 0 | |
| 388 | 28 17.0S | 168 02.0W | 1069 | 5551 | | | 40 | 49 0 | | 425 | 3E 46.0S | 179 04.0E | C969 | 3527 | | | 40 | 2 0 | |
| 388 | 22 13.0S | 169 21.0W | 1069 | 5604 | | | 40 | 62 0 | | 425 | 38 44.0S | 179 34.0E | C969 | 3580 | | | 40 | 3 0 | |
| 388 | 22 14.0S | 168 26.0W | 1069 | 5554 | | | 40 | 63 0 | | 425 | 38 45.0S | 179 53.0W | C569 | 3583 | | | 40 | 4 0 | |
| 388 | 22 16.0S | 167 34.0W | 1069 | 5625 | | | 40 | 64 0 | | 425 | 38 45.0S | 179 19.0W | C969 | 3529 | | | 40 | 5 0 | |
| 388 | 22 15.0S | 166 19.0W | 1069 | 5612 | | | 40 | 65 0 | | 425 | 38 46.0S | 178 46.0W | C969 | 3531 | | | 40 | 6 0 | |
| 388 | 22 15.0S | 164 41.0W | 1069 | 5405 | | | 40 | 66 0 | | 425 | 35 16.0S | 171 13.0W | C969 | 5201 | | | 40 | 28 0 | |
| 388 | 22 17.0S | 163 07.0W | 1069 | 4996 | | | 40 | 67 0 | | 425 | 35 14.0S | 172 43.0W | C969 | 5505 | | | 40 | 29 0 | |
| 388 | 22 15.0S | 161 18.0W | 1069 | 4884 | | | 40 | 68 0 | | 425 | 35 12.0S | 174 14.0W | C969 | 5662 | | | 40 | 30 0 | |
| 388 | 22 16.0S | 165 00.0W | 1069 | 5506 | | | 40 | 70 0 | | 425 | 35 14.0S | 175 48.0W | C969 | 5533 | | | 40 | 31 0 | |
| 388 | 22 12 | | | | | | | | | | | | | | | | | | |

| MAR | LATITUDE | LONGITUDE | MOYR | OPTH | SMPL | CHEMISTRY | CR | STN | M | MAR | LATITUDE | LONGITUDE | MOYR | OPTH | SMPL | CHEMISTRY | CR | STN | M |
|-----|----------|-----------|------|------|------|----------------|----|------|---|-----|----------|-----------|------|------|------|----------------|----|------|---|
| 433 | 39 53.5S | 104 58.4E | 1171 | 4403 | 3712 | OX SI | 50 | 1390 | C | 461 | 42 23.0S | 174 32.0W | 0969 | 2582 | | | 40 | 10 | 0 |
| 434 | 38 53.4S | 97 58.1E | 0771 | 4198 | 3982 | OX SI PO | 48 | 1326 | 0 | 461 | 42 02.0S | 173 38.0W | 0969 | 2996 | | | 40 | 11 | 0 |
| 434 | 36 27.9S | 97 28.7E | 0771 | 4314 | 4052 | OX SI PO | 48 | 1327 | 0 | 461 | 41 40.0S | 172 41.0W | 0969 | 2970 | | | 40 | 12 | 0 |
| 434 | 33 58.4S | 97 33.5E | 0771 | 4401 | 4167 | OX SI PO | 48 | 1328 | 0 | 461 | 41 24.0S | 171 53.0W | 0969 | 3909 | | | 40 | 13 | 0 |
| 434 | 30 28.2S | 97 36.7E | 0771 | 3171 | 3029 | OX SI PO NA | 48 | 1329 | 0 | 461 | 41 05.0S | 171 03.0W | 0969 | 4093 | | | 40 | 14 | 0 |
| 434 | 31 19.6S | 93 35.7E | 0771 | 4687 | 4402 | OX SI PO NA | 48 | 1332 | C | 461 | 40 46.0S | 170 09.0W | 0969 | 4055 | | | 40 | 15 | 0 |
| 434 | 35 25.9S | 91 51.0E | 0771 | 3627 | 3427 | OX SI PO NA | 48 | 1333 | 0 | 462 | 43 14.0S | 173 51.3E | 0367 | 576 | 526 | OX SI PO NA | 28 | 17 | 0 |
| 434 | 31 58.2S | 90 10.2E | 0871 | 3884 | 2453 | OX SI PO NA | 48 | 1340 | 0 | 462 | 43 16.4S | 174 36.0E | 0367 | 473 | 434 | OX SI PO NA | 28 | 18 | 0 |
| 434 | 30 33.6S | 96 45.3E | 0871 | 3056 | 2983 | OX SI PO NA | 48 | 1341 | 0 | 462 | 43 11.8S | 175 45.7E | 0367 | 450 | 399 | OX SI PO NA | 28 | 19 | 0 |
| 435 | 39 53.3S | 85 24.9E | 0771 | 3414 | 3256 | OX SI PO NA | 48 | 1334 | 0 | 462 | 43 16.3S | 177 36.1E | 0367 | 269 | 239 | OX SI PO NA | 28 | 20 | 0 |
| 435 | 39 06.2S | 82 10.5E | 0771 | 3500 | 3409 | OX SI PO NA | 48 | 1335 | C | 462 | 43 14.9S | 175 15.8E | 0367 | 439 | 388 | OX SI PO NA | 28 | 21 | 0 |
| 435 | 36 29.2S | 80 02.5E | 0871 | 2419 | 2292 | OX SI PO NA | 48 | 1337 | 0 | 462 | 49 57.9S | 175 26.3E | 0570 | 1005 | 978 | OX | 43 | 1195 | 0 |
| 435 | 34 54.5S | 84 04.5E | 0871 | 3785 | 3420 | OX SI PO | 48 | 1338 | 0 | 462 | 45 56.5S | 173 03.2E | 0172 | 1984 | 1087 | OX SI PO NA | 51 | 1A | 0 |
| 436 | 38 32.6S | 79 54.2E | 0771 | 3293 | 2915 | OX SI PO NA | 48 | 1336 | 0 | 462 | 46 51.2S | 172 37.1E | 0172 | 1489 | 1122 | OX SI PO NA | 51 | 18 | 0 |
| 447 | 46 59.0S | 39 59.0W | 0863 | 5373 | 4525 | OX SI PO NA PH | 9 | 165 | 0 | 463 | 44 21.0S | 162 02.0E | 0265 | 4890 | 4810 | OX SI PO NA PH | 16 | 398 | 0 |
| 447 | 48 38.0S | 38 11.0W | 0863 | 5406 | 5466 | OX SI PO NA PH | 9 | 166 | 0 | 463 | 47 05.0S | 162 10.0E | 0265 | 4594 | 4375 | OX SI PO NA PH | 16 | 399 | 0 |
| 447 | 48 47.0S | 36 00.0W | 0863 | 5254 | 5272 | OX SI PO NA PH | 9 | 168 | 0 | 463 | 49 00.0S | 162 00.0E | 0265 | 4309 | 4300 | OX SI PO NA PH | 16 | 400 | 0 |
| 447 | 46 56.0S | 36 05.0W | 0863 | 5839 | 939 | OX SI PO PH | 9 | 169 | 0 | 463 | 40 16.0S | 168 12.0E | 1266 | 926 | 911 | | 26 | 609 | 1 |
| 447 | 46 50.0S | 35 05.0W | 0863 | 5614 | 5690 | OX SI PO PH | 9 | 170 | 0 | 463 | 40 14.0S | 168 14.0E | 1266 | 934 | 511 | OX SI PO NA | 26 | 609 | 0 |
| 447 | 47 06.0S | 34 56.0W | 0863 | 5594 | 984 | | 9 | 171 | 0 | 463 | 42 22.2S | 160 07.0E | 1266 | 5001 | 568 | | 26 | 611 | 1 |
| 447 | 47 22.0S | 34 48.0W | 0863 | 5602 | 1131 | | 9 | 172 | 0 | 463 | 41 56.6S | 160 07.0E | 1266 | 4969 | 4930 | OX SI PO NA | 26 | 612 | 0 |
| 447 | 47 35.0S | 34 49.0W | 0863 | 5596 | 1282 | | 9 | 173 | 0 | 463 | 43 28.5S | 160 07.0E | 1266 | 5000 | 3423 | | 26 | 613 | 1 |
| 447 | 47 58.0S | 34 51.0W | 0863 | 5351 | 1037 | | 9 | 174 | 0 | 463 | 45 45.3S | 160 09.1E | 1266 | 4951 | 3371 | OX SI PO NA | 26 | 614 | 0 |
| 447 | 48 17.0S | 34 57.0W | 0863 | 5254 | 1095 | | 9 | 175 | 0 | 463 | 46 23.5S | 161 00.0E | 1266 | 4929 | 971 | | 26 | 615 | 1 |
| 448 | 48 04.0S | 40 36.0W | 0463 | 5673 | 5654 | OX SI PO NA PH | 8 | 121 | 0 | 463 | 47 39.2S | 161 49.1E | 1266 | 4538 | 4508 | OX SI PO NA | 26 | 616 | 0 |
| 448 | 49 48.0S | 40 03.0W | 0863 | 2835 | 2752 | OX SI PO NA PH | 9 | 164 | 0 | 463 | 47 41.0S | 161 47.5E | 1266 | 4480 | 4435 | | 26 | 617 | 1 |
| 451 | 46 15.0S | 76 28.0W | 0862 | 2785 | 2763 | | 4 | 21 | 0 | 463 | 45 20.4S | 165 58.2E | 1266 | 4311 | 2210 | OX SI PO NA | 26 | 618 | 0 |
| 451 | 44 44.0S | 75 30.0W | 0862 | 1221 | 977 | | 4 | 22 | 0 | 463 | 45 21.7S | 165 58.0E | 1266 | 4401 | 1325 | | 26 | 619 | 1 |
| 451 | 42 33.0S | 75 58.0W | 0862 | 3618 | 3473 | | 4 | 23 | 0 | 463 | 43 12.6S | 161 04.0E | 0367 | 4962 | 4421 | OX SI PO NA | 28 | 10 | 0 |
| 451 | 42 57.0S | 75 54.0W | 1162 | 3695 | 3626 | | 6 | 54 | 0 | 463 | 43 17.7S | 163 18.7E | 0367 | 4879 | 4717 | OX SI PO NA | 28 | 11 | 0 |
| 451 | 43 19.0S | 79 01.5W | 0567 | 3636 | 3647 | OX SI PO NA | 28 | 72 | 0 | 463 | 43 17.2S | 165 38.0E | 0367 | 4228 | 4193 | OX SI PO NA | 28 | 12 | 0 |
| 451 | 43 15.6S | 78 01.2W | 0567 | 3586 | 3405 | OX SI PO NA | 28 | 73 | 0 | 463 | 43 16.2S | 166 43.5E | 0367 | 3837 | 3755 | OX SI PO NA | 28 | 13 | 0 |
| 451 | 43 16.6S | 77 01.3W | 0567 | 3511 | 3488 | OX SI PO NA | 28 | 74 | 0 | 463 | 43 12.0S | 167 22.5E | 0367 | 2057 | 1613 | OX PO NA | 28 | 14 | 0 |
| 451 | 43 12.8S | 76 04.2W | 0567 | 3586 | 3518 | OX SI PO NA | 28 | 75 | 0 | 463 | 43 12.6S | 168 12.8E | 0367 | 1121 | 1003 | OX SI PO NA | 28 | 15 | 0 |
| 451 | 43 15.0S | 75 30.0W | 0567 | 3584 | 3474 | OX SI PO NA | 28 | 76 | 0 | 463 | 43 13.5S | 169 38.0E | 0367 | 375 | 339 | OX SI PO NA | 28 | 16 | 0 |
| 451 | 43 17.0S | 75 24.1W | 0567 | 2242 | 1884 | OX SI PO NA | 28 | 77 | 0 | 463 | 49 41.1S | 160 07.6E | 0668 | 4436 | 4515 | OX SI NA | 34 | 842 | 0 |
| 451 | 43 15.6S | 75 07.2W | 0567 | 331 | 297 | OX SI PO NA | 28 | 78 | 0 | 463 | 49 28.1S | 160 51.7E | 0169 | 3449 | 1211 | OX | 37 | 968 | 1 |
| 452 | 44 58.0S | 89 58.0W | 1165 | 4165 | 4106 | OX SI PO | 20 | 496 | 0 | 463 | 44 17.0S | 167 18.9E | 0670 | 3695 | 3634 | OX | 44 | 1196 | 0 |
| 452 | 42 02.0S | 86 05.0W | 1066 | 3270 | 3307 | SI PO NA | 25 | 590 | 0 | 463 | 46 53.4S | 164 59.8E | 0670 | 4493 | 4380 | OX | 44 | 1197 | 1 |
| 452 | 46 24.0S | 84 11.0W | 1066 | 3617 | 793 | | 25 | 591 | 1 | 463 | 46 57.2S | 165 01.6E | 0670 | 4493 | 4365 | | 44 | 1198 | 2 |
| 452 | 43 15.0S | 88 31.0W | 0567 | 3716 | 3598 | OX SI PO NA | 28 | 67 | 0 | 463 | 48 01.5S | 165 39.3E | 0770 | 2993 | 2987 | OX | 44 | 1199 | 1 |
| 452 | 43 14.0S | 86 11.0W | 0567 | 3830 | 3896 | OX SI PO NA | 28 | 68 | 0 | 463 | 48 02.6S | 165 37.0E | 0770 | 2993 | 2985 | | 44 | 1200 | 2 |
| 452 | 43 15.0S | 83 52.6W | 0567 | 2734 | 2603 | OX SI PO NA | 28 | 69 | 0 | 463 | 49 01.6S | 165 09.5E | 0770 | 3285 | 3298 | OX | 44 | 1201 | 1 |
| 452 | 43 15.0S | 81 40.9W | 0567 | 3239 | 3222 | OX SI PO NA | 28 | 70 | 0 | 463 | 49 02.3S | 165 09.3E | 0770 | 3285 | 3290 | | 44 | 1202 | 2 |
| 452 | 43 14.7S | 80 02.0W | 0567 | 3575 | 3482 | OX SI PO NA | 28 | 71 | 0 | 463 | 47 30.6S | 160 29.5E | 0770 | 4387 | 4339 | OX | 44 | 1203 | 1 |
| 453 | 44 47.0S | 99 55.0W | 1165 | 4002 | 3811 | OX SI PO | 20 | 494 | 0 | 463 | 47 29.4S | 160 28.3E | 0770 | 4387 | 4348 | | 44 | 1204 | 2 |
| 453 | 44 53.0S | 94 52.0W | 1165 | 4416 | 4337 | OX SI PO | 20 | 495 | 0 | 463 | 49 10.9S | 163 56.4E | 0770 | 5375 | 5294 | OX | 44 | 1205 | 1 |
| 453 | 43 15.4S | 99 59.0W | 0467 | 4651 | 4653 | OX SI PO NA | 28 | 62 | 0 | 463 | 49 31.6S | 164 34.1E | 0770 | 3200 | 3154 | OX | 44 | 1206 | 0 |
| 453 | 43 13.8S | 97 38.0W | 0467 | 3970 | 3791 | OX SI PO NA | 28 | 63 | 0 | 464 | 43 15.0S | 150 28.0E | 0367 | 3151 | 2947 | OX SI PO NA | 28 | 5 | 0 |
| 453 | 43 18.6S | 95 34.1W | 0467 | 4237 | 4130 | OX SI PO NA | 28 | 64 | 0 | 464 | 43 15.1S | 152 07.5E | 0367 | 4504 | 4408 | OX SI PO NA | 28 | 6 | 0 |
| 453 | 43 14.2S | 93 24.3W | 0567 | 4170 | 4154 | OX SI PO NA | 28 | 65 | 0 | 464 | 43 15.0S | 154 36.0E | 0367 | 4609 | 4499 | OX SI PO NA | 28 | 7 | 0 |
| 453 | 43 16.4S | 90 49.5W | 0567 | 4111 | 4098 | OX SI PO NA | 28 | 66 | 0 | 464 | 43 14.6S | 156 37.3E | 0367 | 4749 | 4658 | OX SI PO NA | 28 | 8 | 0 |
| 454 | 43 14.8S | 109 12.1W | 0467 | 3208 | 3276 | OX SI PO NA | 28 | 58 | 0 | 464 | 43 14.0S | 158 48.8E | 0367 | 4592 | 4540 | OX SI PO NA | 28 | 9 | 0 |
| 454 | 43 15.5S | 106 54.4W | 0467 | 2546 | 2373 | OX SI PO NA | 28 | 59 | 0 | 464 | 43 56.9S | 150 03.5E | 1168 | 2600 | 2578 | OX SI PO NA | 36 | 933 | 1 |
| 454 | 43 15.1S | 104 34.0W | 0467 | 3859 | 3746 | OX SI PO NA | 28 | 60 | 0 | 464 | 43 58.1S | 150 06.5E | 1168 | 2600 | 2578 | OX SI PO NA | 36 | 934 | 2 |
| 454 | 43 15.0S | 102 19.0W | 0467 | 3846 | 3904 | OX SI PO NA | 28 | 61 | 0 | 464 | 46 02.5S | 155 04.9E | 1168 | 4633 | 4472 | OX SI PO NA | 36 | 935 | 1 |
| 455 | 40 03.0S | 119 43.0W | 1265 | 4336 | 4290 | OX SI PO NA PH | 21 | 502 | 0 | 464 | 46 04.9S | 155 06.7E | 1168 | 4633 | 4497 | OX SI PO NA | 36 | 936 | 2 |
| 455 | 49 36.0S | 110 23.0W | 1066 | 3343 | 3188 | OX SI PO NA | 25 | 596 | 0 | 464 | 47 33.5S | 155 04.0E | 1168 | 4840 | 4639 | OX SI PO NA | 36 | 937 | 0 |
| 455 | 49 30.0S | 110 34.0W | 1066 | 3226 | 2748 | | 25 | 597 | 1 | 464 | 49 43.3S | 154 50.9E | 1168 | 4851 | 4484 | OX SI PO NA | 36 | 938 | 1 |
| 455 | 43 17.9S | 118 23.8W | 0467 | 3930 | 3907 | OX SI PO NA | 28 | 54 | 0 | 464 | 49 45.7S | 154 50.3E | 1168 | 4851 | 4641 | | 36 | 939 | 2 |
| 455 | 43 18.4S | 116 05.1W | 0467 | 3619 | 3517 | OX SI PO NA | 28 | 55 | 0 | 464 | 49 41.0S | 152 30.0E | 0469 | 4372 | 4341 | OX SI PO NA | 38 | 14 | 0 |
| 455 | 43 16.1S | 113 48.1W | 0467 | 3056 | 3048 | OX SI PO NA | 28 | 56 | 0 | 464 | 49 43.0S | 152 29.0E | 0469 | 4372 | 4215 | OX SI PO NA | 38 | 15 | 0 |
| 455 | 43 15.8S | 111 27.5W | 0467 | 2725 | 2560 | OX SI PO NA | 28 | 57 | 0 | 464 | 49 46.0S | 152 37.0E | 0469 | 4372 | 4158 | OX | 38 | 16 | 0 |
| 456 | 43 59.0S | 120 12.0W | 1265 | 3742 | 3599 | OX | 21 | 503 | 0 | 464 | 49 46.0S | 152 32.0E | 0569 | 4212 | 4282 | OX | 38 | 17 | 0 |
| 456 | 49 04.0S | 120 10.0W | 1265 | 3407 | 3047 | OX SI PO NA PH | 21 | 504 | 0 | 464 | 40 00.0S | 152 00.0E | 0569 | 4305 | 4244 | OX SI PO NA | 38 | 18 | 0 |
| 456 | 41 58.0S | 129 59.0W | 0866 | 5055 | 4997 | OX | 24 | 583 | 0 | 464 | 40 00.1S | 151 59.6E | 0569 | 4654 | 4244 | OX | 38 | 19 | 0 |
| 456 | 41 58.0S | 124 55.0W | 0866 | 42 | | | | | | | | | | | | | | | |

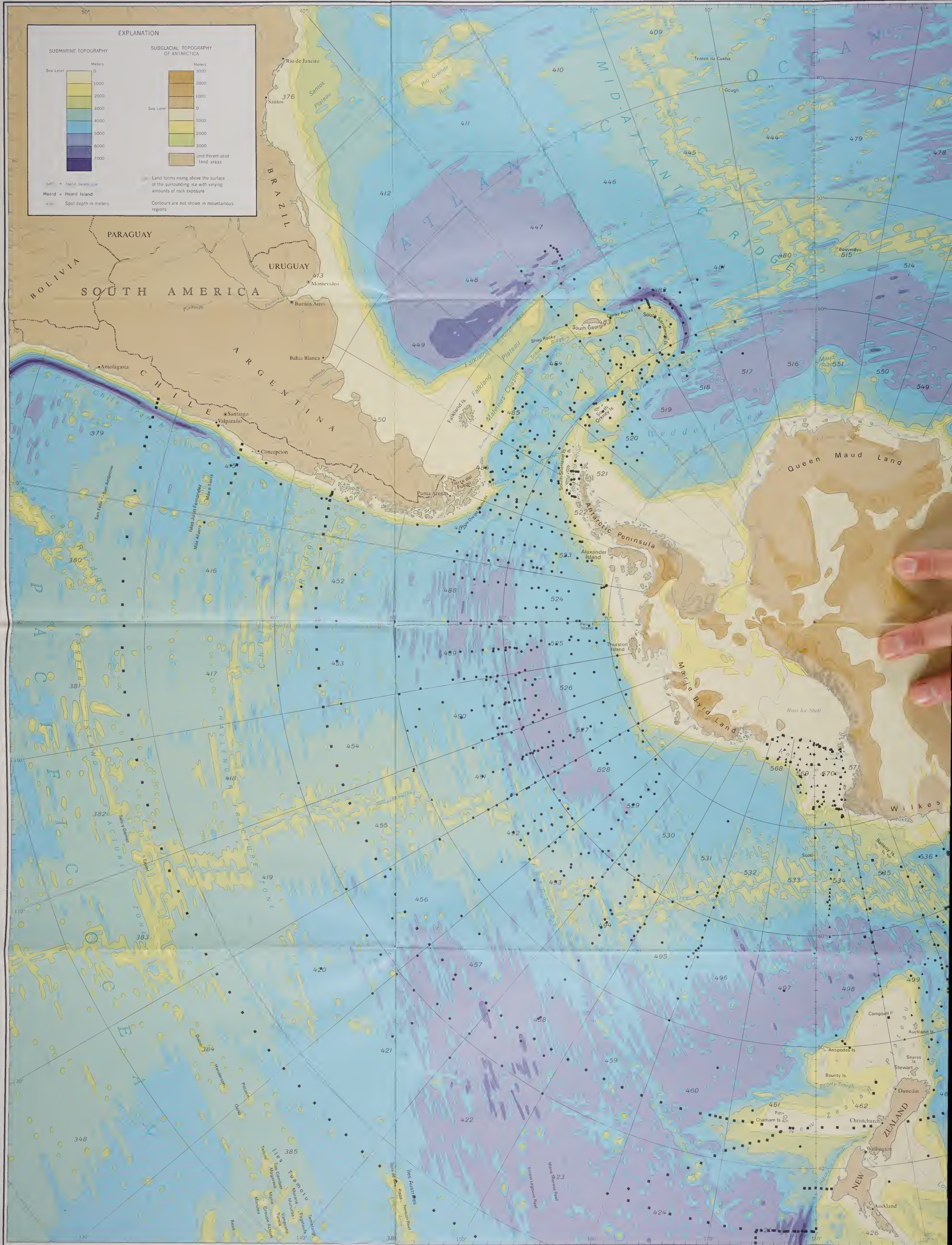
| MAR | LATITUDE | LONGITUDE | MOYR | OPTH | SMPL | CHEMISTRY | CR | STN | M | MAR | LATITUDE | LONGITUDE | MOYR | OPTH | SMPL | CHEMISTRY | CR | STN | M | |
|-----|----------|-----------|------|------|------|----------------|----|------|---|-----|----------|-----------|------|------|------|----------------|----|-----|-----|---|
| 467 | 45 05.4S | 125 54.9E | 0669 | 4714 | 4402 | | 39 | 1143 | 1 | 483 | 58 55.0S | 39 45.0W | C266 | 2864 | 2361 | OX SI PO NA | 22 | 526 | 0 | |
| 467 | 45 07.6S | 125 52.7E | 0669 | 4714 | 4284 | OX | 39 | 1144 | 2 | 484 | 53 05.0S | 45 04.0W | C263 | 2301 | 2179 | OX SI PH | 7 | 93 | 0 | |
| 467 | 47 04.4S | 125 59.2E | 0669 | 4346 | 3927 | OX | 39 | 1145 | 1 | 484 | 54 02.0S | 45 11.0W | C263 | 3411 | 3324 | OX SI PH | 7 | 94 | 0 | |
| 467 | 47 00.0S | 125 58.0E | 0669 | 4346 | 3881 | OX | 39 | 1146 | 2 | 484 | 55 05.0S | 45 06.0W | C263 | 3641 | 311C | OX SI PO PH | 7 | 95 | 0 | |
| 467 | 48 59.4S | 125 59.9E | 0669 | 3940 | 780 | | 39 | 1147 | 1 | 484 | 55 55.0S | 45 06.0W | C263 | 3833 | 3903 | OX SI PO NA PH | 7 | 96 | 0 | |
| 467 | 48 58.4S | 126 00.1E | 0669 | 3940 | 729 | OX | 39 | 1148 | 2 | 484 | 57 06.0S | 45 08.0W | C263 | 3530 | 1527 | OX SI PO NA PH | 7 | 97 | 0 | |
| 467 | 48 50.8S | 126 00.0E | 0669 | 3993 | 758 | | 39 | 1149 | 1 | 484 | 58 00.0S | 45 13.0W | C263 | 2805 | 2784 | OX SI PO NA PH | 7 | 98 | 0 | |
| 467 | 44 59.0S | 129 59.0E | 0170 | 4658 | 4658 | OX SI PO NA PH | 44 | 121 | C | 484 | 58 48.0S | 45 00.0W | C263 | 2361 | 1358 | OX SI PO NA PH | 7 | 99 | 0 | |
| 467 | 48 01.3S | 120 03.8E | 0870 | 3900 | 3968 | OX | 44 | 124 | 0 | 484 | 59 13.0S | 48 52.0W | C363 | 3921 | 3905 | OX SI PO NA PH | 7 | 114 | 0 | |
| 467 | 47 38.0S | 124 02.2E | 0872 | 4537 | 4537 | OX SI | 54 | 156 | 0 | 484 | 58 54.0S | 48 57.0W | C363 | 3705 | 3183 | OX | PH | 7 | 115 | 0 |
| 467 | 49 07.9S | 124 57.3E | 0872 | 4222 | 4577 | OX SI | 54 | 156 | 0 | 484 | 58 43.0S | 48 50.0W | C363 | 3819 | 1114 | OX | PH | 7 | 116 | 0 |
| 467 | 48 04.7S | 126 13.3E | C872 | 4679 | 4663 | OX SI | 54 | 156 | 0 | 484 | 58 43.0S | 47 41.0W | C363 | 2999 | 1143 | OX SI NA PH | 7 | 117 | 0 | |
| 467 | 47 51.2S | 123 52.5E | 0872 | 4324 | 4393 | | 54 | 157 | 0 | 484 | 58 49.0S | 44 59.0W | C363 | 2440 | 1343 | OX SI PO NA PH | 7 | 118 | 0 | |
| 468 | 43 01.6S | 117 07.4E | 0968 | 4545 | 4278 | OX | 35 | 879 | C | 484 | 53 08.0S | 49 02.0W | C363 | 3279 | 3272 | OX SI PO NA PH | 7 | 119 | 0 | |
| 468 | 46 04.1S | 117 01.9E | 0968 | 4035 | 3533 | OX SI PO NA | 35 | 880 | C | 484 | 51 04.0S | 40 01.0W | C266 | 3828 | 3741 | OX | 22 | 522 | C | |
| 468 | 47 28.7S | 116 50.4E | 0968 | 3838 | 3628 | OX | 35 | 881 | C | 484 | 52 01.0S | 40 00.0W | C266 | 3696 | 3651 | OX SI PO NA | 22 | 523 | C | |
| 468 | 49 05.0S | 117 13.4E | 0968 | 3633 | 3085 | OX | 35 | 882 | 0 | 485 | 53 08.0S | 59 34.0W | 1262 | 592 | 565 | | 6 | 55 | 0 | |
| 468 | 46 03.7S | 119 54.4E | 0870 | 4244 | 4170 | OX | 44 | 124 | 0 | 485 | 54 04.0S | 59 04.0W | 1262 | 110 | 97 | | 6 | 56 | 0 | |
| 468 | 49 30.7S | 114 29.8E | 1070 | 3184 | 3025 | OX | 45 | 126 | 0 | 485 | 55 05.0S | 59 04.0W | 1262 | 2586 | 2583 | | 6 | 57 | 0 | |
| 468 | 47 33.6S | 114 26.2E | 1070 | 3691 | 3845 | OX | 45 | 126 | 0 | 485 | 56 13.0S | 58 57.0W | 1262 | 3866 | 3601 | | 6 | 58 | 0 | |
| 468 | 45 03.4S | 114 21.0E | 1070 | 4078 | 4185 | OX | 45 | 126 | 0 | 485 | 57 06.0S | 59 16.0W | 1262 | 3638 | 3663 | | 6 | 59 | 0 | |
| 468 | 42 34.3S | 114 27.1E | 1070 | 4334 | 443C | OX | 45 | 126 | 0 | 485 | 58 03.0S | 59 17.0W | 1262 | 4550 | 4454 | | 6 | 60 | 0 | |
| 468 | 40 33.2S | 114 35.0E | 107C | 44C7 | 4585 | OX | 45 | 126 | 0 | 485 | 53 02.0S | 55 57.0W | 1262 | 1913 | 1878 | | 6 | 61 | 0 | |
| 468 | 43 00.0S | 115 00.0E | 1170 | 3951 | 3951 | OX SI PO NA | 46 | 3 | 0 | 485 | 54 02.0S | 56 01.0W | 1262 | 1726 | 1611 | | 6 | 62 | 0 | |
| 468 | 40 00.2S | 110 02.8E | 0971 | 4628 | 4433 | OX SI | 49 | 134 | 0 | 485 | 55 07.0S | 55 58.0W | 1262 | 2932 | 2697 | | 6 | 63 | 0 | |
| 468 | 42 23.9S | 110 06.7E | 0971 | 4192 | 3979 | OX SI | 49 | 134 | 0 | 485 | 56 02.0S | 56 06.0W | 1262 | 4437 | 4134 | | 6 | 64 | 0 | |
| 468 | 46 59.3S | 110 09.5E | 0971 | 3843 | 3120 | OX SI | 49 | 134 | 0 | 485 | 57 05.0S | 56 11.0W | 1262 | 3638 | 3391 | | 6 | 65 | 0 | |
| 468 | 49 01.4S | 110 14.4E | 0971 | 3299 | 3170 | SI | 49 | 135 | 0 | 485 | 57 51.0S | 56 00.0W | 1262 | 3981 | 3855 | | 6 | 66 | 0 | |
| 469 | 43 20.9S | 105 35.0E | 0970 | 3859 | 3953 | | 45 | 124 | 0 | 485 | 59 10.0S | 56 07.0W | 1262 | 3709 | 3406 | | 6 | 67 | 0 | |
| 469 | 46 05.0S | 107 15.5E | 0970 | 3515 | 3460 | | 45 | 124 | 0 | 485 | 59 05.0S | 59 03.0W | C163 | 3561 | 3518 | | 6 | 91 | 0 | |
| 469 | 47 31.5S | 108 16.3E | 0970 | 2456 | 2703 | | 45 | 124 | 0 | 485 | 58 04.0S | 59 10.0W | C163 | 3102 | 2986 | | 6 | 92 | 0 | |
| 469 | 48 57.5S | 108 47.9E | 0970 | 3041 | 3125 | OX | 45 | 124 | 0 | 485 | 51 52.0S | 56 40.0W | C363 | 878 | 859 | OX SI PO NA PH | 7 | 120 | C | |
| 469 | 41 29.5S | 100 17.2E | 0771 | 4225 | 3870 | OX SI PO | 48 | 132 | 0 | 485 | 59 07.0S | 54 27.0W | 0663 | 3833 | 382C | OX SI PH | 8 | 154 | C | |
| 469 | 45 07.6S | 109 54.5E | 0971 | 4152 | 2345 | OX | 49 | 134 | 0 | 485 | 57 26.0S | 58 57.0W | C166 | 2851 | 2744 | CX | 22 | 514 | 0 | |
| 469 | 49 04.7S | 100 09.9E | 1071 | 3263 | 3004 | OX SI | 49 | 138 | 0 | 485 | 57 50.0S | 56 52.0W | C166 | 4052 | 4051 | OX SI PO NA | 22 | 515 | 0 | |
| 469 | 47 15.1S | 100 09.4E | 1071 | 2910 | 2757 | OX SI | 49 | 138 | 0 | 485 | 58 55.0S | 53 56.0W | C166 | 3974 | 3899 | OX | 22 | 516 | 0 | |
| 469 | 45 39.7S | 100 12.2E | 1071 | 3352 | 3369 | OX SI | 49 | 138 | 0 | 485 | 55 53.0S | 51 48.0W | C166 | 3850 | 3914 | OX SI PO NA | 22 | 517 | C | |
| 469 | 44 07.0S | 100 01.7E | 1071 | 3603 | 3687 | OX SI | 49 | 138 | 0 | 485 | 54 28.0S | 51 53.0W | C166 | 3344 | 3334 | OX | 22 | 518 | 0 | |
| 469 | 42 26.9S | 100 01.5E | 1071 | 3657 | 3665 | OX SI | 49 | 138 | 0 | 485 | 54 07.0S | 52 15.0W | C166 | 412 | 39C | OX SI PO NA | 22 | 519 | 0 | |
| 469 | 41 59.4S | 104 56.6E | 1171 | 4191 | 4114 | OX SI | 50 | 139 | 1 | 485 | 53 36.0S | 52 16.0W | C166 | 1295 | 1172 | OX | 22 | 520 | 0 | |
| 469 | 41 57.8S | 104 59.4E | 1171 | 4191 | 4111 | OX SI | 50 | 139 | 2 | 485 | 52 17.0S | 52 03.0W | C266 | 2567 | 2519 | OX SI PO | 22 | 521 | 0 | |
| 469 | 43 59.4S | 105 00.6E | 1171 | 3841 | 3838 | OX SI | 50 | 139 | 0 | 485 | 55 24.0S | 52 52.0W | C366 | 3932 | 3731 | OX | 22 | 541 | 0 | |
| 469 | 46 07.8S | 105 01.7E | 1171 | 3555 | 3450 | OX | 50 | 139 | 1 | 485 | 55 16.0S | 53 39.0W | C366 | 3559 | 3483 | OX | 22 | 542 | 0 | |
| 469 | 46 12.5S | 105 02.6E | 1171 | 3555 | 3429 | | 50 | 139 | 2 | 485 | 54 52.0S | 54 34.0W | C366 | 4042 | 3423 | OX | 22 | 543 | 0 | |
| 469 | 48 01.0S | 105 09.6E | 1171 | 3180 | 2930 | OX SI | 50 | 139 | 0 | 486 | 55 53.0S | 65 05.0W | 0762 | 3156 | 1583 | | 4 | 1 | C | |
| 469 | 48 59.7S | 104 58.0E | 1171 | 2706 | 942 | OX SI | 50 | 139 | 1 | 486 | 55 50.0S | 61 25.0W | 0762 | 4365 | 3915 | | 4 | 2 | 0 | |
| 470 | 40 34.9S | 98 56.3E | C271 | 3937 | 4035 | OX SI PO | 47 | 127 | 0 | 486 | 58 25.0S | 62 08.0W | 0762 | 2959 | 2802 | | 4 | 3 | 0 | |
| 470 | 48 16.3S | 90 19.9E | 0971 | 3518 | 3431 | OX | 49 | 136 | 0 | 486 | 57 09.0S | 60 49.0W | 0762 | 3524 | 2867 | | 4 | 4 | 0 | |
| 470 | 43 54.4S | 90 05.6E | 0971 | 3012 | 2970 | OX SI | 49 | 136 | 0 | 486 | 56 37.0S | 63 51.0W | 0762 | 4182 | 3337 | | 4 | 5 | 0 | |
| 470 | 40 03.7S | 94 53.3E | 0971 | 3587 | 3115 | OX SI | 49 | 136 | 0 | 486 | 57 08.0S | 63 04.0W | 0762 | 3871 | 3478 | | 4 | 6 | 0 | |
| 470 | 42 11.9S | 94 53.7E | 0971 | 3329 | 3255 | OX SI | 49 | 136 | 0 | 486 | 59 37.0S | 62 09.0W | 0762 | 4129 | 4006 | | 4 | 7 | 0 | |
| 470 | 45 01.7S | 95 04.7E | 0971 | 2800 | 2496 | OX SI | 49 | 136 | 0 | 486 | 59 09.0S | 65 06.0W | C862 | 2997 | 2896 | | 4 | 14 | 0 | |
| 470 | 47 04.9S | 95 03.2E | 1071 | 2433 | 2360 | OX SI | 49 | 136 | 0 | 486 | 58 03.0S | 65 04.0W | C862 | 4844 | 4427 | | 4 | 15 | 0 | |
| 470 | 49 23.9S | 94 50.9E | 1071 | 3393 | 3253 | OX SI | 49 | 136 | 0 | 486 | 57 02.0S | 64 09.0W | C862 | 3867 | 3877 | | 4 | 16 | 0 | |
| 470 | 40 38.0S | 99 52.0E | 1071 | 4158 | 4147 | OX SI | 49 | 138 | 0 | 486 | 56 16.0S | 66 16.0W | C862 | 1847 | 1022 | | 4 | 17 | 0 | |
| 471 | 40 03.1S | 88 02.9E | C672 | 3226 | 2436 | OX SI | 54 | 154 | 0 | 486 | 56 06.0S | 66 41.0W | C862 | 196 | 194 | | 4 | 18 | 0 | |
| 471 | 41 57.2S | 87 47.3E | C672 | 2328 | 2370 | SI | 54 | 154 | 0 | 486 | 57 07.0S | 68 08.0W | C962 | 2952 | 2494 | | 5 | 28 | 0 | |
| 471 | 44 06.1S | 87 36.3E | C672 | 3350 | 3318 | OX SI | 54 | 154 | 0 | 486 | 57 08.0S | 69 10.0W | C962 | 4239 | 3623 | | 5 | 29 | 0 | |
| 471 | 44 59.0S | 87 13.1E | C672 | 3672 | 3613 | OX SI | 54 | 155 | 0 | 486 | 58 08.0S | 67 43.0W | C62 | 3568 | 1675 | | 5 | 30 | C | |
| 471 | 46 00.3S | 86 48.7E | C672 | 3585 | 3497 | OX SI | 54 | 155 | 0 | 486 | 58 59.0S | 67 51.0W | C62 | 3636 | 3465 | | 5 | 32 | 0 | |
| 471 | 47 01.4S | 86 31.1E | C672 | 3579 | 3570 | OX SI | 54 | 155 | 0 | 486 | 59 12.0S | 68 57.0W | C62 | 3715 | 3472 | | 5 | 33 | 0 | |
| 471 | 48 02.8S | 86 07.5E | C772 | 3905 | 3691 | OX SI | 54 | 155 | 0 | 486 | 58 27.0S | 62 05.0W | C663 | 3204 | 1880 | CX SI PO | 8 | 157 | 0 | |
| 471 | 48 58.9S | 85 37.5E | C772 | 4246 | 4130 | OX SI | 54 | 155 | 0 | 486 | 57 22.0S | 60 58.0W | C663 | 4040 | 332C | CX SI PO PH | 8 | 158 | 0 | |
| 471 | 49 59.0S | 85 17.5E | C772 | 4279 | 1022 | OX SI | 54 | 155 | 0 | 486 | 57 11.0S | 63 00.0W | C663 | 3753 | 3726 | CX SI PO PH | 8 | 159 | 0 | |
| 472 | 49 22.0S | 70 43.0E | 0171 | 336 | 336 | OX SI PO NA | 46 | 17 | 0 | 486 | 56 41.0S | 63 50.0W | C663 | 4086 | 3768 | OX SI PH | 8 | 160 | 0 | |
| 472 | 49 59.3S | 73 40.3E | C271 | 942 | 951 | OX SI PO | 47 | 127 | 1 | 486 | 55 48.0S | 65 14.0W | C663 | 2952 | 2766 | CX SI PO PH | 8 | 161 | 0 | |
| 472 | 49 59.8S | 73 40.7E | C271 | 942 | 934 | OX SI PC | 47 | 127 | 2 | 486 | 58 11.0S | 67 47.0W | C663 | 3595 | 3571 | CX SI PO PH | 8 | 162 | C | |
| 472 | 47 20.6S | 73 56.3E | C371 | 3242 | 3207 | OX | 47 | 131 | 5 | 486 | 59 00.0S | 68 01.0W | C663 | 3639 | 3615 | OX SI | | | | |

| MAR | LATITUDE | LONGITUDE | MOYR | DPTH | SMPL | CHEMISTRY | CR | STN | M | MAR | LATITUDE | LONGITUDE | MOYR | DPTH | SMPL | CHEMISTRY | CR | STN | M |
|-----|----------|-----------|------|------|------|----------------|----|------|---|-----|----------|-----------|------|------|------|----------------|----|-----|---|
| 489 | 58 03.05 | 99 36.00 | C765 | 4956 | 4844 | OX SI PC | 18 | 439 | 0 | 454 | 56 04.35 | 143 43.60 | C568 | 4627 | 4287 | OX | | | |
| 489 | 58 57.05 | 99 59.00 | C765 | 4735 | 4569 | OX SI PC NA PH | 19 | 440 | 0 | 495 | 50 01.05 | 159 53.00 | C864 | 5113 | 4943 | OX SI PC NA PH | 14 | 327 | 0 |
| 489 | 51 58.05 | 99 46.00 | C765 | 4380 | 4186 | OX SI PC | 20 | 491 | C | 455 | 52 03.05 | 159 58.00 | C864 | 4689 | 4688 | OX SI PC NA PH | 14 | 328 | 0 |
| 489 | 50 05.05 | 90 02.00 | C765 | 4549 | 4570 | OX SI PC NA | 25 | 592 | 0 | 455 | 54 00.05 | 159 58.00 | C864 | 4278 | 3773 | OX SI PC NA PH | 14 | 329 | 0 |
| 489 | 50 25.05 | 94 55.00 | C765 | 4700 | 1651 | | 25 | 593 | 1 | 455 | 55 01.05 | 159 22.00 | C864 | 3795 | 3704 | OX SI PC NA PH | 14 | 330 | C |
| 490 | 57 57.05 | 100 06.00 | C765 | 4356 | 4418 | OX SI PC NA PH | 15 | 368 | C | 495 | 56 45.05 | 159 46.00 | C864 | 3809 | 1542 | OX SI PC NA PH | 14 | 334 | C |
| 490 | 59 55.05 | 101 20.00 | C765 | 4801 | 4207 | OX SI PC NA PH | 15 | 369 | C | 455 | 56 25.05 | 159 28.00 | C864 | 4153 | 1522 | OX SI PC NA PH | 14 | 335 | 0 |
| 490 | 59 31.05 | 104 57.00 | C765 | 4840 | 1078 | OX SI | 15 | 374 | C | 495 | 55 55.05 | 159 02.00 | C864 | 4279 | 1467 | OX SI PC NA PH | 14 | 336 | C |
| 490 | 59 08.05 | 105 01.00 | C765 | 4417 | 3641 | OX SI PC NA PH | 15 | 375 | C | 455 | 58 03.05 | 159 58.00 | C864 | 4102 | 3994 | OX SI PC NA PH | 14 | 337 | C |
| 490 | 58 39.05 | 108 51.00 | C765 | 4898 | 4629 | OX SI PC NA PH | 15 | 377 | C | 495 | 59 11.05 | 159 43.00 | C864 | 3791 | 4128 | OX SI PC NA PH | 14 | 338 | C |
| 490 | 58 22.05 | 108 44.00 | C765 | 4624 | 888 | OX SI PC NA PH | 15 | 378 | C | 495 | 59 54.05 | 152 41.00 | C864 | 2670 | 2725 | OX SI PC NA PH | 14 | 346 | 0 |
| 490 | 57 50.05 | 108 39.00 | C765 | 4896 | 4776 | OX SI PC NA PH | 15 | 379 | C | 455 | 56 57.05 | 150 12.00 | C864 | 3164 | 3186 | OX SI PC NA PH | 15 | 397 | C |
| 490 | 58 03.05 | 109 49.00 | C765 | 4787 | 4235 | OX SI PC NA PH | 19 | 450 | C | 495 | 56 13.05 | 154 11.00 | C865 | 3603 | 3512 | OX SI PC NA | 19 | 466 | 0 |
| 490 | 56 08.05 | 109 37.00 | C765 | 3948 | 3445 | OX SI PC | 19 | 452 | 0 | 496 | 56 12.05 | 160 27.00 | C864 | 4151 | 4172 | OX SI PC NA PH | 14 | 331 | C |
| 490 | 59 11.05 | 104 49.00 | C765 | 4747 | 4238 | OX SI PC | 20 | 485 | C | 456 | 57 00.05 | 160 00.00 | C864 | 4446 | 4526 | OX SI PC NA PH | 14 | 332 | C |
| 490 | 57 58.05 | 104 45.00 | C765 | 4711 | 4465 | OX SI PC | 20 | 486 | C | 456 | 57 18.05 | 160 17.00 | C864 | 4300 | 942 | OX SI PC NA PH | 14 | 333 | 0 |
| 490 | 57 13.05 | 104 30.00 | C765 | 4634 | 4630 | OX SI PC | 20 | 487 | C | 456 | 59 39.05 | 160 03.00 | C864 | 3756 | 3662 | OX SI PC NA PH | 14 | 339 | C |
| 490 | 56 04.05 | 104 39.00 | C765 | 4659 | 4369 | OX SI PC | 20 | 488 | C | 497 | 58 26.05 | 179 41.00 | C370 | 4988 | 4936 | OX | | | |
| 490 | 55 00.05 | 105 21.00 | C765 | 4410 | 4290 | OX SI PC | 20 | 489 | 0 | 457 | 54 45.25 | 175 08.00 | C570 | 5250 | 5223 | OX | | | |
| 490 | 53 40.05 | 102 26.00 | C765 | 4334 | 4249 | OX SI PC | 20 | 490 | C | 458 | 59 53.05 | 177 32.00 | C268 | 4668 | 4665 | OX | | | |
| 490 | 51 32.05 | 102 36.00 | C765 | 3937 | 2321 | OX SI PC | 20 | 492 | 0 | 498 | 59 53.05 | 177 34.20 | C268 | 4668 | 4671 | OX | | | |
| 490 | 50 51.05 | 104 53.00 | C765 | 3995 | 3748 | OX SI PC | 20 | 493 | C | 498 | 58 01.35 | 170 01.20 | C668 | 5210 | 2471 | OX | | | |
| 490 | 59 29.05 | 102 22.00 | C765 | 4666 | 4510 | OX | 23 | 551 | C | 498 | 51 00.55 | 177 09.90 | C570 | 4575 | 4567 | OX | | | |
| 490 | 58 48.05 | 100 45.00 | C765 | 4791 | 1851 | OX | | | | 498 | 50 29.75 | 176 19.80 | C570 | 2990 | 2933 | OX | | | |
| 490 | 58 17.05 | 107 12.00 | C765 | 4640 | 4520 | OX | | | | 498 | 50 17.05 | 176 02.00 | C570 | 1940 | 1914 | OX | | | |
| 490 | 59 59.05 | 108 20.00 | C765 | 5182 | 4491 | OX | | | | 498 | 58 59.45 | 170 04.00 | C271 | 5090 | 5125 | OX | | | |
| 490 | 50 03.05 | 100 02.00 | C765 | 4189 | 4098 | OX SI PC NA | 25 | 594 | C | 458 | 58 59.85 | 170 10.70 | C271 | 5090 | 5125 | OX | | | |
| 490 | 50 04.05 | 105 07.00 | C765 | 3906 | 2970 | OX SI PC NA | 25 | 595 | 1 | 498 | 55 54.65 | 170 05.10 | C271 | 5169 | 5152 | OX | | | |
| 490 | 57 44.15 | 109 39.30 | C570 | 4045 | 3974 | OX | 43 | 1186 | C | 498 | 54 59.15 | 170 03.70 | C271 | 3967 | 4019 | OX | | | |
| 491 | 55 00.05 | 114 59.00 | C765 | 3456 | 2956 | OX SI PC NA PH | 11 | 227 | C | 498 | 54 56.55 | 170 05.50 | C271 | 3967 | 4016 | OX | | | |
| 491 | 56 00.05 | 115 05.00 | C765 | 3471 | 3537 | OX SI PC NA PH | 11 | 228 | C | 498 | 52 59.65 | 173 59.00 | C271 | 1225 | 1214 | OX | | | |
| 491 | 56 54.05 | 115 21.00 | C765 | 4203 | 3612 | OX SI PC NA PH | 11 | 229 | C | 498 | 52 59.25 | 173 59.00 | C271 | 1225 | 1205 | OX | | | |
| 491 | 57 41.05 | 115 13.00 | C765 | 4824 | 4571 | OX SI | 11 | 230 | C | 498 | 54 07.35 | 172 54.60 | C172 | 4788 | 4280 | OX SI PC NA | 51 | 3 | 0 |
| 491 | 59 00.05 | 114 53.00 | C765 | 4936 | 5053 | OX SI PC NA PH | 11 | 231 | 0 | 498 | 59 37.15 | 171 13.50 | C172 | 5202 | 4984 | OX SI PC NA | 51 | 4 | 0 |
| 491 | 59 24.05 | 114 45.00 | C765 | 5053 | 1250 | OX SI PC NA PH | 11 | 232 | C | 499 | 51 59.05 | 162 01.00 | C265 | 3831 | 3211 | OX SI PC NA PH | 16 | 401 | C |
| 491 | 59 47.05 | 114 45.00 | C765 | 5177 | 1241 | OX SI PC NA PH | 11 | 233 | 0 | 499 | 55 31.05 | 160 03.00 | C265 | 3613 | 2800 | OX SI PC NA PH | 16 | 403 | C |
| 491 | 59 59.05 | 114 59.00 | C765 | 4210 | 4132 | OX SI PC NA PH | 11 | 234 | C | 499 | 59 02.05 | 161 56.00 | C265 | 4738 | 4687 | OX SI PC NA PH | 16 | 404 | C |
| 491 | 56 02.05 | 119 57.00 | C765 | 3157 | 2882 | OX SI PC NA PH | 15 | 382 | C | 499 | 59 01.75 | 169 58.70 | C668 | 5136 | 1175 | OX SI | | | |
| 491 | 59 53.05 | 110 10.00 | C765 | 5154 | 4796 | OX SI PC NA | 19 | 448 | 0 | 499 | 59 54.65 | 165 52.90 | C668 | 4956 | 628 | OX SI | | | |
| 491 | 58 53.05 | 110 09.00 | C765 | 4625 | 4086 | OX SI PC NA | 19 | 449 | 0 | 499 | 55 12.55 | 160 03.80 | C668 | 3951 | 3543 | OX SI PC NA | 34 | 835 | C |
| 491 | 57 08.05 | 110 03.00 | C765 | 4308 | 3852 | OX SI PC | 19 | 451 | C | 499 | 53 15.55 | 160 07.40 | C668 | 4799 | 4754 | OX SI PC NA | 34 | 840 | 0 |
| 491 | 55 08.05 | 110 19.00 | C765 | 3886 | 3627 | OX SI PC | 19 | 453 | C | 499 | 51 24.65 | 160 00.00 | C668 | 3883 | 3849 | OX SI PC NA | 34 | 841 | 0 |
| 491 | 54 04.05 | 119 56.00 | C765 | 2885 | 2765 | OX SI PC NA PH | 21 | 505 | 0 | 499 | 56 28.85 | 161 45.10 | C268 | 4226 | 4119 | OX SI PC NA | 36 | 956 | 1 |
| 491 | 56 33.05 | 119 41.00 | C765 | 4659 | 4519 | OX SI PC NA PH | 21 | 506 | C | 499 | 56 28.95 | 161 46.90 | C268 | 4226 | 4120 | OX SI PC NA | 36 | 957 | 2 |
| 491 | 58 57.05 | 115 01.00 | C765 | 5038 | 4621 | OX SI PC NA | 23 | 561 | C | 499 | 55 13.35 | 163 21.70 | C268 | 5152 | 4823 | OX SI PC NA | 36 | 958 | 1 |
| 491 | 57 37.05 | 115 10.00 | C765 | 4308 | 4397 | OX SI PC NA | 23 | 562 | C | 499 | 55 14.95 | 163 29.90 | C268 | 5152 | 4842 | OX SI PC NA | 36 | 959 | 2 |
| 491 | 50 04.05 | 115 00.00 | C765 | 3020 | 2881 | OX SI PC NA | 25 | 598 | 1 | 499 | 54 05.75 | 164 23.60 | C268 | 2895 | 2783 | OX SI PC NA | 36 | 960 | 1 |
| 491 | 59 50.05 | 119 42.10 | C468 | 4585 | 4560 | OX | 33 | 825 | C | 499 | 54 07.35 | 164 24.80 | C268 | 2895 | 2800 | OX SI PC NA | 36 | 961 | 2 |
| 491 | 58 59.05 | 119 53.20 | C468 | 4751 | 4683 | OX | 33 | 826 | C | 499 | 52 56.35 | 165 24.90 | C268 | 823 | 787 | OX SI PC NA | 36 | 962 | 1 |
| 491 | 56 28.05 | 119 50.10 | C468 | 4490 | 4381 | OX | 33 | 828 | C | 499 | 52 56.45 | 165 26.00 | C268 | 823 | 787 | OX SI PC NA | 36 | 963 | 2 |
| 491 | 52 33.95 | 119 51.80 | C570 | 2180 | 2161 | OX | 43 | 1187 | C | 499 | 51 56.65 | 166 22.90 | C268 | 995 | 960 | OX SI PC NA | 36 | 964 | 1 |
| 492 | 59 07.05 | 129 29.00 | C664 | 3813 | 1057 | OX SI PC NA PH | 13 | 321 | C | 499 | 51 56.35 | 166 21.90 | C268 | 995 | 958 | OX SI PC NA | 36 | 965 | 2 |
| 492 | 55 40.05 | 129 45.00 | C664 | 3661 | 3065 | OX SI PC NA PH | 13 | 325 | C | 499 | 50 02.65 | 168 03.30 | C268 | 519 | 502 | OX SI PC NA | 36 | 966 | 1 |
| 492 | 54 36.05 | 129 43.00 | C664 | 3480 | 3445 | OX SI PC NA PH | 13 | 326 | C | 499 | 50 02.75 | 168 02.70 | C268 | 519 | 503 | OX SI PC NA | 36 | 967 | 2 |
| 492 | 59 55.05 | 128 57.00 | C864 | 4718 | 4810 | OX SI PC NA PH | 14 | 352 | C | 499 | 53 18.45 | 160 02.10 | C169 | 4781 | 4665 | OX SI PC NA | 37 | 969 | 1 |
| 492 | 59 58.05 | 124 54.00 | C864 | 4726 | 4704 | OX SI PC NA PH | 14 | 353 | C | 499 | 53 23.05 | 160 01.90 | C169 | 4781 | 4623 | OX SI PC NA | 37 | 970 | 2 |
| 492 | 58 59.05 | 125 12.00 | C864 | 4237 | 4263 | OX SI PC NA PH | 14 | 355 | C | 499 | 51 16.15 | 165 04.20 | C770 | 3796 | 3770 | OX | | | |
| 492 | 57 56.05 | 125 06.00 | C864 | 4329 | 4261 | OX SI PC NA PH | 14 | 356 | 0 | 499 | 50 59.35 | 163 47.40 | C770 | 4072 | 4055 | OX | | | |
| 492 | 57 04.05 | 125 24.00 | C964 | 4175 | 4010 | OX SI PC NA PH | 14 | 357 | C | 499 | 53 02.05 | 160 22.50 | C770 | 4055 | 4091 | OX | | | |
| 492 | 56 00.05 | 124 56.00 | C964 | 3541 | 2521 | OX SI PC NA PH | 14 | 358 | C | 499 | 53 31.45 | 161 35.50 | C770 | 3023 | 3020 | OX | | | |
| 492 | 54 53.05 | 124 56.00 | C964 | 3310 | 3236 | OX SI PC NA PH | 14 | 359 | 0 | 499 | 53 33.55 | 163 27.00 | C770 | 4540 | 4220 | OX | | | |
| 492 | 55 03.05 | 126 36.00 | C964 | 4325 | 4632 | OX SI PC NA PH | 14 | 360 | C | 499 | 55 20.05 | 165 02.90 | C770 | 3595 | 2710 | OX | | | |
| 492 | 58 01.05 | 120 05.00 | C765 | 4479 | 4456 | OX SI PC NA PH | 15 | 380 | C | 499 | 56 40.25 | 164 55.10 | C770 | 4888 | 4847 | OX | | | |
| 492 | 56 58.05 | 120 05.00 | C765 | 4454 | 4322 | OX SI PC NA PH | 15 | 381 | C | 499 | 56 00.45 | 162 32.00 | C770 | 4734 | 4707 | OX | | | |
| 492 | 50 01.05 | 127 30.00 | C765 | 4100 | 4074 | OX SI PC NA | 25 | 599 | C | 499 | 56 06.05 | 160 46.50 | C770 | 4438 | 4414 | OX | | | |
| 492 | 52 30.05 | 127 26.00 | C765 | 3794 | 3696 | OX SI PC NA | 25 | 600 | 1 | 499 | 58 01.55 | 165 45.80 | C271 | 5161 | 5168 | OX | | | |
| 492 | 55 00.05 | 127 32.00 | C765 | 2540 | 2478 | OX SI PC NA | 25 | 601 | 1 | 499 | 58 02.35 | 169 48.80 | C271 | 5161 | 5152 | OX | | | |
| 492 | 55 55.05 | 126 25.00 | C765 | 4537 | 1053 | OX SI PC NA | 25 | 602 | 1 | 499 | 57 00.25 | 169 43. | | | | | | | |

| MAR | LATITUDE | LONGITUDE | MOYR | DPHT | SMPL | CHEMISTRY | CR | STN | M | MAR | LATITUDE | LONGITUDE | MOYR | DPHT | SMPL | CHEMISTRY | CR | STN | M |
|-----|----------|-----------|------|------|------|-------------|----|------|---|-----|----------|-----------|------|------|-------------|-----------|----|------|---|
| 5C0 | 52 57.75 | 156 44.1E | 0770 | 4452 | 4450 | OX | 44 | 1217 | 0 | 504 | 56 09.1S | 119 56.8E | 0968 | 4516 | 4192 | OX | 35 | 887 | 0 |
| 5C0 | 53 09.9S | 159 11.7E | 0770 | 4419 | 4465 | OX | 44 | 1218 | 0 | 504 | 56 03.2S | 119 56.5E | 0870 | 4494 | 4500 | OX | 44 | 1235 | 0 |
| 500 | 56 04.3S | 157 47.6E | 0770 | 4858 | 4753 | OX | 44 | 1225 | 0 | 504 | 55 04.1S | 119 47.6E | 0870 | 4549 | 4528 | OX | 44 | 1236 | 0 |
| 5C0 | 55 13.6S | 159 16.3E | 0770 | 5043 | 4857 | OX | 44 | 1226 | 0 | 504 | 54 01.0S | 119 47.5E | 0870 | 4259 | 4033 | OX | 44 | 1237 | 0 |
| 5C0 | 57 18.4S | 159 27.9E | 0770 | 4028 | 4010 | CX | 44 | 1227 | 0 | 504 | 53 02.6S | 119 43.0E | 0870 | 3552 | 3474 | OX | 44 | 1238 | 0 |
| 5C0 | 59 37.2S | 157 31.8E | 0770 | 4568 | 4555 | OX | 44 | 1228 | 0 | 504 | 51 59.4S | 119 30.3E | 0870 | 3669 | 3555 | OX | 44 | 1239 | 0 |
| 500 | 58 03.8S | 157 31.5E | 0770 | 6125 | 5715 | OX | 44 | 1229 | 0 | 504 | 50 01.7S | 119 39.6E | 0870 | 3630 | 3133 | OX | 44 | 1240 | 0 |
| 5C1 | 50 01.3S | 149 07.0E | 0267 | 3936 | 3960 | | 27 | 683 | 1 | 504 | 51 57.6S | 110 26.5E | 0970 | 3563 | 3630 | OX | 45 | 1250 | 0 |
| 5C1 | 51 14.9S | 144 53.6E | 0768 | 3640 | 3637 | OX SI PO NA | 34 | 845 | 0 | 504 | 56 01.2S | 112 45.0E | 0970 | 4349 | 4455 | OX | 45 | 1251 | 0 |
| 5C1 | 52 14.9S | 145 06.8E | 0768 | 3466 | 3182 | OX SI PO | 34 | 846 | 0 | 504 | 58 27.2S | 114 08.6E | 1070 | 4444 | 4545 | OX | 45 | 1252 | 0 |
| 5C1 | 53 48.0S | 144 58.0E | 0768 | 2990 | 2854 | OX SI PO | 34 | 847 | 0 | 504 | 59 59.5S | 113 52.7E | 1070 | 4362 | 4135 | OX | 45 | 1255 | 0 |
| 5C1 | 58 09.2S | 144 53.5E | 0768 | 3599 | 3620 | OX SI PO NA | 34 | 848 | 0 | 504 | 59 01.4S | 113 55.7E | 1070 | 4431 | 4545 | | 45 | 1256 | 0 |
| 5C1 | 50 06.6S | 140 07.1E | 1068 | 3780 | 3726 | OX SI NA | 36 | 896 | 1 | 504 | 58 00.3S | 113 58.7E | 1070 | 4457 | 4515 | OX | 45 | 1257 | 0 |
| 5C1 | 50 08.1S | 140 13.6E | 1068 | 3780 | 3722 | OX SI NA | 36 | 897 | 2 | 504 | 55 30.5S | 114 05.5E | 1070 | 4369 | 4480 | OX | 45 | 1258 | 0 |
| 5C1 | 52 03.6S | 140 00.7E | 1068 | 1880 | 1665 | OX SI NA | 36 | 901 | 2 | 504 | 53 27.6S | 114 14.9E | 1070 | 3764 | 2810 | OX | 45 | 1259 | 0 |
| 5C1 | 54 32.9S | 140 03.5E | 1068 | 3337 | 3277 | OX SI NA | 36 | 903 | 1 | 504 | 52 27.7S | 114 05.9E | 1070 | 3895 | 3850 | OX | 45 | 1260 | 0 |
| 5C1 | 54 33.8S | 140 04.2E | 1068 | 3337 | 3273 | OX SI NA | 36 | 904 | 2 | 504 | 51 29.8S | 114 16.1E | 1070 | 3491 | 3595 | OX | 45 | 1261 | 0 |
| 5C1 | 56 38.3S | 140 08.8E | 1068 | 3960 | 3768 | OX SI NA | 36 | 905 | 1 | 504 | 50 33.6S | 114 27.0E | 1070 | 3380 | 3115 | OX | 45 | 1262 | 0 |
| 5C1 | 56 40.1S | 140 11.9E | 1068 | 3960 | 3669 | | 36 | 906 | 2 | 504 | 50 18.5S | 115 52.0E | 1170 | 2832 | OX SI PO NA | 46 | 4 | 0 | |
| 5C1 | 59 34.2S | 149 29.3E | 1168 | 3290 | 3328 | OX SI PO NA | 36 | 916 | 0 | 504 | 50 16.0S | 115 35.0E | 1270 | 600 | OX SI PO NA | 46 | 4 | 0 | |
| 5C1 | 55 11.6S | 149 56.8E | 1168 | 3798 | 3660 | OX SI PO NA | 36 | 921 | 1 | 504 | 54 00.8S | 115 01.3E | 1270 | 3967 | OX SI PO NA | 46 | 5 | 0 | |
| 5C1 | 55 15.2S | 149 52.0E | 1168 | 3798 | 3594 | OX SI PO NA | 36 | 922 | 2 | 504 | 58 02.9S | 114 54.4E | 1270 | 2465 | OX SI PO NA | 46 | 6 | 0 | |
| 5C1 | 53 01.9S | 149 59.3E | 1168 | 3980 | 3827 | OX SI PO NA | 36 | 924 | 1 | 504 | 53 02.4S | 110 03.5E | 0971 | 3613 | 3540 | SI | 49 | 1352 | 0 |
| 5C1 | 53 03.8S | 149 59.0E | 1168 | 3980 | 3824 | OX SI PO NA | 36 | 925 | 2 | 504 | 55 05.0S | 110 01.0E | 0971 | 3816 | 3578 | OX | 49 | 1353 | 0 |
| 5C1 | 57 26.0S | 149 34.0E | 0469 | 3228 | 2384 | OX | 38 | 8 | 0 | 504 | 56 58.2S | 110 10.7E | 0971 | 4396 | 990 | OX SI | 49 | 1354 | 0 |
| 5C1 | 57 18.0S | 149 35.0E | 0469 | 3235 | 3204 | OX SI PO NA | 38 | 9 | 0 | 504 | 59 00.5S | 110 07.4E | 0971 | 4453 | 4306 | OX SI | 49 | 1355 | 0 |
| 501 | 57 32.0S | 149 15.0E | 0469 | 3828 | 3258 | OX SI PO NA | 38 | 10 | 0 | 504 | 59 37.7S | 110 08.6E | 0971 | 4376 | 4245 | SI | 49 | 1356 | 0 |
| 5C1 | 57 59.7S | 146 47.9E | 0770 | 3303 | 3052 | OX | 44 | 1230 | 0 | 505 | 50 30.2S | 109 34.6E | 0970 | 3277 | 3315 | | 45 | 1249 | 0 |
| 5C2 | 57 58.6S | 135 07.4E | 0768 | 4655 | 4480 | OX SI PO NA | 34 | 852 | 0 | 505 | 51 00.8S | 109 59.5E | 0971 | 3330 | 3330 | SI | 49 | 1351 | 0 |
| 5C2 | 56 35.9S | 135 07.7E | 0768 | 4110 | 4145 | OX SI PO NA | 34 | 853 | 0 | 505 | 57 45.9S | 100 04.4E | 1071 | 4137 | 4029 | OX SI | 49 | 1376 | 0 |
| 5C2 | 55 13.0S | 135 00.4E | 0768 | 4154 | 1131 | OX SI PO NA | 34 | 854 | 0 | 505 | 56 34.7S | 100 06.1E | 1071 | 3406 | 3252 | OX SI | 49 | 1377 | 0 |
| 5C2 | 54 06.5S | 135 08.2E | 0768 | 4080 | 3988 | OX SI PO NA | 34 | 855 | 0 | 505 | 54 23.8S | 100 01.2E | 1071 | 3863 | 3830 | OX SI | 49 | 1378 | 0 |
| 5C2 | 52 04.4S | 135 11.2E | 0768 | 3418 | 3356 | OX SI PO NA | 34 | 856 | 0 | 505 | 50 51.5S | 100 06.2E | 1071 | 3593 | 3568 | OX SI | 49 | 1380 | 0 |
| 5C2 | 50 18.5S | 134 57.5E | 0768 | 3153 | 3182 | OX SI PO NA | 34 | 857 | 0 | 505 | 50 02.2S | 104 54.4E | 1171 | 3170 | 2986 | OX SI | 50 | 1398 | 1 |
| 5C2 | 51 32.0S | 131 21.1E | 0868 | 3345 | 3361 | OX SI NA | 35 | 864 | 0 | 505 | 50 03.0S | 104 52.5E | 1171 | 3170 | 2954 | OX SI | 50 | 1399 | 2 |
| 5C2 | 53 09.6S | 130 35.1E | 0868 | 3950 | 3881 | OX | 35 | 865 | 0 | 505 | 50 55.9S | 104 53.4E | 1171 | 3329 | 3362 | OX SI | 50 | 1400 | 0 |
| 5C2 | 51 00.1S | 139 59.1E | 1068 | 3289 | 3142 | OX SI NA | 36 | 898 | 1 | 505 | 52 01.4S | 104 59.9E | 1171 | 3701 | 3570 | OX SI | 50 | 1401 | 1 |
| 5C2 | 50 59.8S | 139 59.8E | 1068 | 3289 | 3135 | OX SI NA | 36 | 899 | 2 | 505 | 52 03.0S | 104 58.3E | 1171 | 3701 | 3551 | OX SI | 50 | 1402 | 2 |
| 5C2 | 52 02.0S | 139 59.9E | 1068 | 1880 | 1720 | OX SI NA | 36 | 900 | 1 | 505 | 53 58.7S | 104 59.1E | 1171 | 3728 | 3658 | OX SI | 50 | 1403 | 0 |
| 5C2 | 53 01.0S | 139 35.0E | 1068 | 2995 | 2994 | OX SI NA | 36 | 902 | 0 | 505 | 55 56.9S | 104 56.2E | 1171 | 3899 | 3833 | OX | 50 | 1404 | 1 |
| 5C2 | 58 10.1S | 139 49.4E | 1068 | 3979 | 3854 | OX SI NA | 36 | 907 | 1 | 505 | 55 58.1S | 104 54.0E | 1171 | 3899 | 3829 | OX | 50 | 1405 | 2 |
| 5C2 | 58 11.3S | 139 47.8E | 1068 | 3979 | 3866 | OX SI NA | 36 | 908 | 2 | 505 | 57 56.8S | 105 01.6E | 1171 | 4480 | 4417 | OX SI | 50 | 1406 | 0 |
| 5C2 | 57 34.9S | 134 00.0E | 0769 | 4535 | 4528 | OX | 39 | 1162 | 0 | 506 | 58 21.5S | 90 01.4E | 0971 | 4568 | 4470 | OX SI | 49 | 1357 | 0 |
| 5C2 | 55 10.0S | 133 51.5E | 0769 | 4070 | 1243 | OX | 39 | 1163 | 0 | 506 | 54 48.5S | 90 06.6E | 0971 | 4445 | 4350 | OX SI | 49 | 1359 | 0 |
| 5C2 | 52 00.8S | 134 02.2E | 0769 | 2889 | 2763 | OX | 39 | 1164 | 0 | 506 | 50 25.3S | 90 16.3E | 0971 | 4176 | 3632 | OX SI | 49 | 1361 | 0 |
| 5C2 | 50 01.6S | 132 13.7E | 0769 | 3369 | 3241 | OX SI PO NA | 41 | 5 | 0 | 506 | 51 22.1S | 95 03.2E | 1071 | 3583 | 3455 | OX SI | 49 | 1369 | 0 |
| 5C2 | 50 01.6S | 131 06.0E | 0769 | 3385 | 3318 | OX SI PO NA | 41 | 5-1 | 0 | 506 | 53 37.6S | 95 06.0E | 1071 | 3872 | 3893 | OX SI | 49 | 1370 | 0 |
| 5C2 | 50 01.0S | 132 50.0E | 0769 | 3271 | 3038 | OX SI PO NA | 41 | 5-2 | 0 | 506 | 55 09.5S | 94 51.9E | 1071 | 4399 | 4357 | OX SI | 49 | 1371 | 0 |
| 5C2 | 51 07.0S | 131 54.0E | 0769 | 3337 | 3293 | OX SI PO NA | 41 | 6 | 0 | 506 | 57 05.7S | 94 57.4E | 1071 | 4315 | 4253 | OX SI | 49 | 1372 | 0 |
| 5C2 | 57 31.0S | 132 00.0E | 0769 | 4667 | 4644 | OX SI PO NA | 41 | 12 | 0 | 506 | 58 59.7S | 95 11.2E | 1071 | 4367 | 3948 | OX SI | 49 | 1373 | 0 |
| 5C2 | 55 02.0S | 132 04.5E | 0769 | 4233 | 4072 | OX SI PO NA | 41 | 13 | 0 | 506 | 58 49.5S | 96 18.2E | 1071 | 4344 | 993 | OX SI | 49 | 1374 | 0 |
| 5C2 | 52 25.0S | 132 06.5E | 0769 | 3698 | 3683 | OX SI PO NA | 41 | 14 | 0 | 506 | 58 22.3S | 96 26.2E | 1071 | 4322 | 4217 | OX SI | 49 | 1375 | 0 |
| 5C2 | 58 01.6S | 139 58.8E | 0770 | 3962 | 3793 | OX | 44 | 1231 | 0 | 506 | 52 21.2S | 99 43.4E | 1071 | 3676 | 3446 | OX SI | 49 | 1379 | 0 |
| 5C2 | 57 57.6S | 132 25.8E | 0870 | 4629 | 4575 | OX | 44 | 1232 | 0 | 507 | 59 41.8S | 80 49.0E | 0271 | 1792 | 1780 | SI PO | 47 | 1277 | 1 |
| 5C3 | 54 43.4S | 129 43.7E | 0868 | 4279 | 3807 | OX SI NA | 35 | 866 | 0 | 507 | 59 41.6S | 80 48.8E | 0271 | 1792 | 1784 | SI PO | 47 | 1278 | 2 |
| 5C3 | 56 46.7S | 129 38.0E | 0868 | 4693 | 4489 | OX | 35 | 867 | 0 | 507 | 59 29.1S | 88 55.3E | 0371 | 4557 | 4564 | OX SI PO | 47 | 1296 | 1 |
| 5C3 | 59 59.3S | 127 53.9E | 0868 | 4620 | 4457 | OX SI NA | 35 | 868 | 0 | 507 | 58 47.0S | 84 14.1E | 0371 | 3063 | 3090 | OX SI PO | 47 | 1297 | 0 |
| 5C3 | 56 01.6S | 128 08.9E | 0868 | 4483 | 4543 | OX | 35 | 869 | 0 | 507 | 56 25.6S | 80 09.2E | 0371 | 3123 | 3127 | OX SI PO | 47 | 1301 | 1 |
| 5C3 | 53 10.6S | 128 10.9E | 0868 | 4050 | 4004 | OX | 35 | 870 | 0 | 507 | 56 24.6S | 80 03.4E | 0371 | 3123 | 3057 | OX SI PO | 47 | 1302 | 2 |
| 5C3 | 52 03.4S | 128 07.3E | 0868 | 3764 | 2620 | OX | 35 | 871 | 0 | 507 | 54 51.9S | 82 40.6E | 0371 | 4566 | 4596 | OX SI PO | 47 | 1303 | 1 |
| 5C3 | 50 35.3S | 128 00.4E | 0868 | 3265 | 2731 | OX | 35 | 872 | 0 | 507 | 54 54.4S | 82 46.3E | 0371 | 4566 | 4558 | | 47 | 1304 | 2 |
| 5C3 | 50 54.8S | 125 18.7E | 0968 | 3998 | 3319 | OX SI PO NA | 35 | 888 | 0 | 507 | 54 54.8S | 82 44.9E | 0371 | 4566 | 4470 | OX SI PO | 47 | 1305 | 0 |
| 5C3 | 58 00.0S | 125 35.0E | 0269 | 4652 | 1200 | OX | 37 | 1094 | 1 | 507 | 54 54.5S | 82 45.8E | 0371 | 4566 | 570 | OX SI PO | 47 | 1306 | 1 |
| 5C3 | 58 00.0S | 125 35.0E | 0269 | 4658 | 4665 | OX SI PO NA | 37 | 1095 | 0 | 507 | 54 54.9S | 82 44.3E | 0371 | 4566 | 573 | OX SI PO | 47 | 1307 | 2 |
| 5C3 | 56 04.4S | 124 55.5E | 0269 | 4694 | 4632 | OX PO | 37 | 1096 | 0 | 507 | 54 56.0S | 82 38.7E | 0371 | 4566 | 4534 | OX SI PO | 47 | 1308 | 0 |
| 5C3 | 53 17.5S | 125 03.7E | 0269 | 4740 | 4783 | OX NA | 37 | 1097 | 1 | 507 | 56 48.8S | 89 47.0E | 0971 | 4099 | 3942 | OX SI | | | |

| MAR | LATITUDE | LONGITUDE | MDYR | DPHT | SMPL | CHEMISTRY | CR | STN | M | MAR | LATITUDE | LONGITUDE | MOYR | OPHT | SMPL | CHEMISTRY | CR | STN | M | |
|-----|----------|-----------|------|------|------|----------------|----|-----|---|-----|----------|-----------|------|------|------|----------------|----|------|-----|---|
| 520 | 63 05.05 | 45 08.0W | 0263 | 3601 | 3604 | OX SI PO NA PH | 7 | 105 | C | 525 | 67 59.05 | 94 59.0W | 0465 | 4473 | 4335 | OX SI PO NA PH | 17 | 422 | 0 | |
| 520 | 66 29.05 | 45 35.0W | 0263 | 4254 | 4275 | OX SI NA PH | 7 | 106 | C | 525 | 66 56.05 | 94 35.0W | 0465 | 4566 | 4270 | OX SI PO NA PH | 17 | 423 | 0 | |
| 520 | 66 37.05 | 47 49.0W | 0263 | 3884 | 3873 | OX SI NA PH | 7 | 107 | C | 525 | 66 05.05 | 94 20.0W | 0465 | 4687 | 4696 | OX SI PO NA PH | 17 | 424 | 0 | |
| 520 | 64 05.05 | 49 04.0W | 0363 | 3533 | 3571 | OX SI PO NA PH | 7 | 108 | C | 525 | 64 52.05 | 95 04.0W | 0465 | 4779 | 4800 | OX SI PO NA PH | 17 | 425 | C | |
| 520 | 62 59.05 | 49 15.0W | 0363 | 2902 | 2859 | OX SI PO NA PH | 7 | 109 | C | 525 | 64 10.05 | 95 00.0W | 0465 | 4837 | 4471 | OX SI PO NA PH | 17 | 426 | 0 | |
| 520 | 62 02.05 | 48 51.0W | 0363 | 3286 | 3148 | OX SI PO NA PH | 7 | 110 | C | 525 | 63 01.05 | 95 21.0W | 0465 | 4971 | 4960 | OX SI PO NA PH | 17 | 427 | 0 | |
| 520 | 61 07.05 | 48 59.0W | 0363 | 2782 | 2695 | OX SI PO NA PH | 7 | 111 | C | 525 | 62 05.05 | 94 38.0W | 0465 | 4892 | 4678 | OX SI PO NA PH | 17 | 428 | C | |
| 520 | 60 35.05 | 47 42.0W | 0363 | 1523 | 1555 | OX SI NA PH | 7 | 112 | C | 525 | 61 05.05 | 95 10.0W | 0465 | 5029 | 4402 | OX SI PO NA PH | 17 | 429 | 0 | |
| 520 | 60 06.05 | 49 04.0W | 0363 | 2952 | 2911 | OX SI NA PH | 7 | 113 | C | 525 | 60 02.05 | 95 17.0W | 0465 | 5008 | 4965 | OX SI PO NA PH | 17 | 430 | 0 | |
| 520 | 65 02.05 | 47 01.0W | 0364 | 4182 | 4213 | OX SI PO NA PH | 12 | 264 | 0 | 525 | 61 36.05 | 99 44.0W | 0765 | 4550 | 4212 | OX SI PO NA PH | 19 | 442 | 0 | |
| 520 | 64 30.05 | 44 06.0W | 0364 | 4579 | 4591 | OX SI PO NA PH | 12 | 265 | 0 | 525 | 63 26.05 | 94 08.0W | 0466 | 4900 | 4820 | OX SI PO NA PH | 23 | 544 | 0 | |
| 520 | 64 00.05 | 40 50.0W | 0364 | 4746 | 4590 | OX SI PO NA PH | 12 | 266 | C | 525 | 62 24.05 | 95 50.0W | 0466 | 5014 | 3448 | OX SI NA | 23 | 545 | 0 | |
| 520 | 63 00.05 | 40 57.0W | 0364 | 4164 | 4192 | OX SI PO NA PH | 12 | 267 | 0 | 525 | 61 31.05 | 95 56.0W | 0466 | 4768 | 4418 | OX SI NA | 23 | 546 | 0 | |
| 520 | 61 57.05 | 40 56.0W | 0364 | 3502 | 3500 | OX SI PO NA PH | 12 | 268 | 0 | 525 | 60 29.05 | 94 56.0W | 0466 | 5034 | 4966 | OX SI NA | 23 | 547 | 0 | |
| 520 | 61 59.05 | 41 17.0W | 0364 | 3500 | 1238 | OX SI PO NA PH | 12 | 269 | 0 | 525 | 62 28.05 | 92 54.8W | 0570 | 4925 | 4900 | OX | 43 | 1185 | C | |
| 520 | 61 09.05 | 40 09.0W | 0364 | 3903 | 3558 | OX SI PO NA PH | 12 | 270 | 0 | 526 | 66 07.05 | 102 13.0W | 0664 | 4846 | 4746 | OX SI PO NA PH | 13 | 311 | 0 | |
| 520 | 60 55.05 | 41 28.0W | 0464 | 5238 | 5251 | OX SI PO NA PH | 12 | 286 | 0 | 526 | 65 30.05 | 107 17.0W | 0664 | 4821 | 4790 | OX SI PO NA PH | 13 | 312 | 0 | |
| 520 | 60 21.05 | 47 40.0W | 0464 | 5199 | 5338 | OX SI PO NA PH | 12 | 287 | 0 | 526 | 61 00.05 | 104 58.0W | 1064 | 5176 | 4965 | OX SI PO NA PH | 15 | 371 | 0 | |
| 520 | 60 49.05 | 49 25.0W | 0464 | 2659 | 2646 | OX SI PO NA PH | 12 | 288 | C | 526 | 60 31.05 | 105 00.0W | 1064 | 5063 | 1019 | OX SI NA PH | 15 | 372 | C | |
| 521 | 60 12.05 | 55 52.0W | 1262 | 3652 | 3172 | | 6 | 68 | 0 | 526 | 60 03.05 | 104 48.0W | 1064 | 4910 | 989 | OX SI PO NA PH | 15 | 373 | C | |
| 521 | 61 12.05 | 56 19.0W | 1262 | 362 | 317 | | 6 | 69 | 0 | 526 | 60 02.05 | 109 56.0W | 1064 | 5057 | 5105 | OX SI PO NA PH | 15 | 376 | 0 | |
| 521 | 62 03.05 | 56 05.0W | 0163 | 1648 | 1577 | | 6 | 70 | 0 | 526 | 67 55.05 | 102 56.0W | 0465 | 4506 | 4200 | OX SI PO NA PH | 17 | 420 | 0 | |
| 521 | 62 42.05 | 56 10.0W | 0163 | 399 | 399 | | 6 | 71 | 0 | 526 | 60 39.05 | 100 16.0W | 0765 | 4960 | 4923 | OX SI PO NA PH | 19 | 441 | 0 | |
| 521 | 62 15.05 | 58 18.0W | 0163 | 326 | 335 | | 6 | 72 | 0 | 526 | 61 58.05 | 102 46.0W | 0765 | 5108 | 5086 | OX SI PO NA PH | 19 | 443 | 0 | |
| 521 | 62 21.05 | 58 11.0W | 0163 | 1790 | 1783 | | 6 | 73 | 0 | 526 | 62 04.05 | 104 57.0W | 0765 | 5072 | 5081 | OX SI PO NA PH | 19 | 444 | 0 | |
| 521 | 62 24.05 | 58 00.0W | 0163 | 1926 | 1914 | | 6 | 74 | 0 | 526 | 61 56.05 | 107 55.0W | 0765 | 5172 | 5230 | OX SI PO NA PH | 19 | 445 | 0 | |
| 521 | 62 26.05 | 57 56.0W | 0163 | 1500 | 1496 | | 6 | 75 | C | 526 | 62 05.05 | 109 37.0W | 0765 | 5170 | 4575 | OX SI PO NA PH | 19 | 446 | C | |
| 521 | 62 40.05 | 57 52.0W | 0163 | 812 | 690 | | 6 | 76 | 0 | 526 | 61 03.05 | 109 40.0W | 0765 | 5150 | 4837 | OX SI PO NA PH | 19 | 447 | 0 | |
| 521 | 62 52.05 | 57 40.0W | 0163 | 481 | 439 | | 6 | 77 | 0 | 526 | 62 24.05 | 101 41.0W | 0466 | 4475 | 4965 | OX SI NA | 23 | 548 | C | |
| 521 | 62 52.05 | 57 33.0W | 0163 | 408 | 350 | | 6 | 78 | 0 | 526 | 63 49.05 | 101 50.0W | 0466 | 4976 | 4966 | OX SI NA | 23 | 549 | 0 | |
| 521 | 62 42.05 | 59 44.0W | 0163 | 1185 | 1189 | | 6 | 79 | 0 | 526 | 61 27.05 | 101 33.0W | 0466 | 5053 | 4680 | OX | NA | 23 | 550 | 0 |
| 521 | 62 54.05 | 59 26.0W | 0163 | 836 | 833 | | 6 | 80 | 0 | 526 | 61 23.05 | 108 24.0W | 0466 | 5161 | 4951 | OX | NA | 23 | 555 | 0 |
| 521 | 63 16.05 | 58 46.0W | 0163 | 88 | 82 | | 6 | 82 | 0 | 526 | 62 30.05 | 109 09.0W | 0466 | 5148 | 5041 | OX | NA | 23 | 556 | 0 |
| 521 | 61 07.05 | 59 01.0W | 0163 | 4931 | 4651 | | 6 | 89 | 0 | 526 | 63 51.05 | 108 57.0W | 0466 | 5072 | 5069 | OX | NA | 23 | 557 | 0 |
| 521 | 60 06.05 | 59 03.0W | 0163 | 3452 | 3450 | | 6 | 90 | 0 | 527 | 60 30.05 | 114 56.0W | 0164 | 4907 | 1154 | OX SI PO NA PH | 11 | 235 | 0 | |
| 521 | 63 03.05 | 52 08.0W | 0364 | 1125 | 1211 | OX SI PO NA PH | 12 | 260 | 0 | 527 | 60 58.05 | 114 44.0W | 0164 | 5130 | 5102 | OX SI PO NA PH | 11 | 236 | 0 | |
| 521 | 63 59.05 | 52 16.0W | 0364 | 1913 | 1897 | OX SI PO NA PH | 12 | 261 | 0 | 527 | 61 29.05 | 115 12.0W | 0164 | 5144 | 1226 | OX SI PO NA PH | 11 | 237 | 0 | |
| 521 | 64 55.05 | 52 10.0W | 0364 | 2939 | 2921 | OX SI PO NA PH | 12 | 262 | 0 | 527 | 62 00.05 | 115 15.0W | 0164 | 5159 | 5125 | OX SI PO NA PH | 11 | 238 | 0 | |
| 521 | 65 58.05 | 50 10.0W | 0364 | 3440 | 3406 | OX SI PO NA PH | 12 | 263 | 0 | 527 | 63 00.05 | 115 21.0W | 0164 | 5126 | 5045 | OX SI PO NA PH | 11 | 239 | 0 | |
| 521 | 60 32.05 | 54 23.0W | 0464 | 3008 | 3008 | OX SI PO NA PH | 12 | 289 | C | 527 | 63 48.05 | 114 52.0W | 0164 | 5163 | 5087 | OX SI PO NA PH | 11 | 240 | C | |
| 522 | 61 08.05 | 61 48.0W | 0762 | 3495 | 3488 | | 4 | 8 | 0 | 527 | 65 05.05 | 114 59.0W | 0164 | 4960 | 4967 | OX SI PO NA PH | 11 | 241 | 0 | |
| 522 | 61 49.05 | 61 32.0W | 0862 | 3729 | 3463 | | 4 | 9 | 0 | 527 | 65 54.05 | 115 07.0W | 0164 | 4824 | 4829 | OX SI PO NA PH | 11 | 242 | 0 | |
| 522 | 62 40.05 | 64 20.0W | 0862 | 3685 | 3619 | | 4 | 10 | 0 | 527 | 66 58.05 | 115 25.0W | 0164 | 4727 | 4760 | OX SI PO NA PH | 11 | 243 | 0 | |
| 522 | 61 43.05 | 61 13.0W | 0862 | 3572 | 3570 | | 4 | 11 | 0 | 527 | 68 29.05 | 114 58.0W | 0164 | 4276 | 4305 | OX SI PO NA PH | 11 | 244 | 0 | |
| 522 | 60 48.05 | 65 00.0W | 0862 | 2798 | 2811 | | 4 | 12 | C | 527 | 65 43.05 | 112 34.0W | 0664 | 4768 | 4925 | OX SI PO NA PH | 13 | 313 | 0 | |
| 522 | 60 03.05 | 65 09.0W | 0862 | 3761 | 3763 | | 4 | 13 | 0 | 527 | 65 20.05 | 117 36.0W | 0664 | 4943 | 4807 | OX SI PO NA PH | 13 | 314 | 0 | |
| 522 | 60 01.05 | 68 06.0W | 1062 | 3525 | 3414 | | 5 | 31 | 0 | 527 | 67 54.05 | 110 49.0W | 0465 | 4061 | 3931 | OX SI PO NA PH | 17 | 419 | 0 | |
| 522 | 61 06.05 | 67 55.0W | 1062 | 3904 | 3486 | | 5 | 34 | 0 | 527 | 61 19.05 | 117 17.0W | 1065 | 4975 | 4739 | OX SI PO | 20 | 483 | C | |
| 522 | 62 08.05 | 67 58.0W | 1062 | 3170 | 3140 | | 5 | 35 | 0 | 527 | 62 07.05 | 112 34.0W | 1065 | 5184 | 5188 | OX SI PO | 20 | 484 | C | |
| 522 | 62 56.05 | 67 56.0W | 1062 | 3742 | 3773 | | 5 | 36 | 0 | 527 | 64 02.05 | 115 38.0W | 0466 | 4976 | 5042 | OX NA | 23 | 558 | 0 | |
| 522 | 63 56.05 | 68 11.0W | 1062 | 3046 | 391 | | 5 | 37 | C | 527 | 62 10.05 | 114 37.0W | 0566 | 5159 | 4553 | OX NA | 23 | 559 | 0 | |
| 522 | 64 19.05 | 67 43.0W | 1062 | 2479 | 2385 | | 5 | 38 | C | 527 | 60 14.05 | 114 41.0W | 0566 | 5170 | 5132 | OX | NA | 23 | 560 | 0 |
| 522 | 64 54.05 | 68 12.0W | 1062 | 391 | 383 | | 5 | 39 | 0 | 527 | 62 04.95 | 119 49.9W | 0468 | 5033 | 1416 | OX | NA | 33 | 823 | 0 |
| 522 | 62 51.05 | 60 39.0W | 0163 | 181 | 182 | | 6 | 83 | 0 | 527 | 61 01.95 | 119 53.8W | 0468 | 5023 | 5018 | OX | NA | 33 | 824 | 0 |
| 522 | 63 48.05 | 62 26.0W | 0163 | 252 | 232 | | 6 | 84 | 0 | 528 | 65 32.05 | 121 10.0W | 0664 | 4848 | 4732 | OX SI PO NA PH | 13 | 315 | 0 | |
| 522 | 63 39.05 | 62 30.0W | 0163 | 260 | 255 | | 6 | 85 | C | 528 | 65 36.05 | 124 13.0W | 0664 | 4841 | 1440 | OX SI PO NA PH | 13 | 316 | 0 | |
| 522 | 63 29.05 | 62 37.0W | 0163 | 156 | 154 | | 6 | 86 | 0 | 528 | 65 28.05 | 129 58.0W | 0664 | 4762 | 4503 | OX SI PO NA PH | 13 | 317 | 0 | |
| 522 | 63 10.05 | 62 26.0W | 0163 | 155 | 152 | | 6 | 87 | 0 | 528 | 60 46.05 | 124 18.0W | 0864 | 4706 | 1451 | OX SI PO NA PH | 14 | 354 | 0 | |
| 522 | 62 50.05 | 62 00.0W | 0163 | 655 | 594 | | 6 | 88 | 0 | 528 | 68 02.05 | 126 56.0W | 0465 | 4094 | 4045 | OX SI PO NA PH | 17 | 417 | 0 | |
| 522 | 61 10.05 | 61 49.0W | 0663 | 3811 | 1803 | OX SI PO PH | 8 | 155 | 0 | 528 | 66 56.05 | 120 08.0W | 0465 | 4592 | 4550 | OX SI PO NA PH | 17 | 418 | 0 | |
| 522 | 60 01.05 | 65 09.0W | 0663 | 3366 | 3151 | OX SI PO | 8 | 156 | 0 | 528 | 60 12.05 | 127 04.0W | 1065 | 4590 | 4155 | OX SI PO | 20 | 481 | C | |
| 523 | 67 06.05 | 74 55.0W | 1062 | 2966 | 2603 | | 5 | 40 | 0 | 528 | 60 07.05 | 122 38.0W | 1065 | 4539 | 4341 | OX SI PO | 20 | 482 | 0 | |
| 523 | 67 30.05 | 74 37.0W | 1062 | 2574 | 699 | | 5 | 41 | 0 | 528 | 60 17.05 | 120 00.0W | 1265 | 5014 | 4994 | OX SI PO NA PH | 21 | 507 | 0 | |
| 523 | 66 06.05 | 74 56.0W | 1062 | 3929 | 3318 | | 5 | 42 | 0 | 528 | 61 15.05 | 120 24.0W | 1265 | 5101 | 4509 | OX SI PO NA PH | 21 | 508 | 0 | |
| 523 | 65 51.05 | 71 05.0W | 1062 | 3021 | 2781 | | 5 | 43 | 0 | 528 | 69 31.65 | 124 44.5W | 0468 | 3314 | 1275 | OX | NA | 33 | 816 | 0 |
| 523 | 65 03.05 | 71 03.0W | 1062 | 3321 | 3169 | | 5 | 44 | 0 | 528 | 68 53.55 | 120 15.9W | 0468 | 4085 | 3916 | OX | NA | 33 | 819 | 0 |
| 523 | 64 01.05 | 71 02.0W | 1062 | 3587 | 3509 | | | | | | | | | | | | | | | |

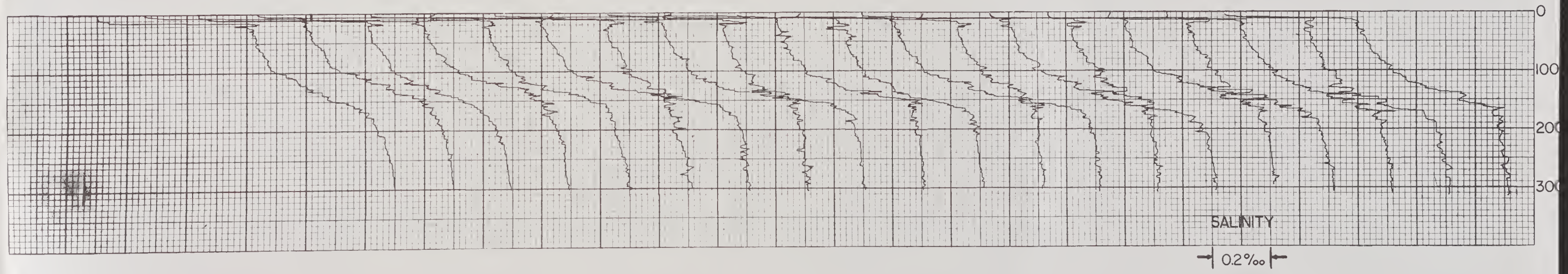
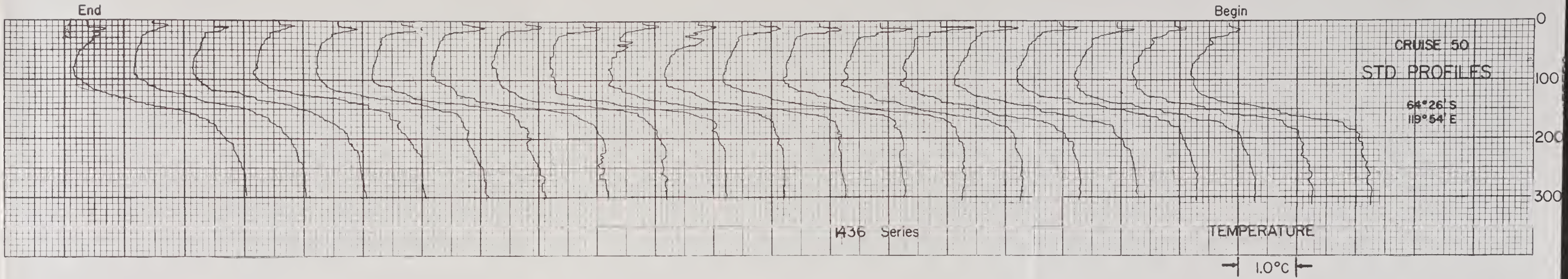
| MAP | LATITUDE | LONGITUDE | MOYR | OPTH | SMPLE | CHEMISTRY | CR | STN | M | MAR | LATITUDE | LONGITUDE | MOYR | OPTH | SMPLE | CHEMISTRY | CR | STN | M |
|-----|----------|-----------|------|------|-------|-------------|----|------|---|-----|----------|-----------|------|------|-------|-------------|----|------|---|
| 534 | 61 32.0S | 177 27.2E | 0268 | 4223 | 4156 | CX | 32 | 799 | 1 | 537 | 64 25.1S | 144 15.5E | 1271 | 3481 | 171 | SI | 50 | 1486 | 1 |
| 534 | 61 30.2S | 177 28.4E | 0268 | 4223 | 2917 | CX | 32 | 800 | 2 | 537 | 64 25.1S | 144 15.7E | 1271 | 3481 | 155 | SI | 50 | 1487 | 2 |
| 534 | 60 46.3S | 177 27.4E | 0268 | 4326 | 1465 | CX | 32 | 801 | 1 | 537 | 64 25.9S | 144 33.4E | 1271 | 3476 | 276 | SI | 50 | 1488 | 1 |
| 534 | 60 45.4S | 177 27.7E | 0268 | 4326 | 1492 | CX | 32 | 802 | 2 | 537 | 64 25.9S | 144 33.7E | 1271 | 3476 | 266 | SI | 50 | 1489 | 2 |
| 534 | 65 58.4S | 170 00.7E | 1271 | 3240 | 3231 | CX | 50 | 1508 | 1 | 537 | 64 14.0S | 144 35.5E | 1271 | 3585 | 278 | SI | 50 | 1490 | 1 |
| 534 | 65 59.0S | 170 00.8E | 1271 | 3240 | 3232 | CX | 50 | 1509 | 2 | 537 | 64 14.1S | 144 35.8E | 1271 | 3585 | 272 | SI | 50 | 1491 | 2 |
| 534 | 63 57.3S | 170 00.9E | 1271 | 3108 | 3081 | CX | 50 | 1514 | 1 | 537 | 63 5E.5S | 144 37.7E | 1271 | 3747 | 242 | SI | 50 | 1492 | 1 |
| 534 | 63 5E.3S | 170 01.4E | 1271 | 3108 | 3080 | CX | 50 | 1515 | 2 | 537 | 63 5E.2S | 144 37.9E | 1271 | 3747 | 279 | SI | 50 | 1493 | 2 |
| 534 | 63 03.0S | 170 01.8E | 1271 | 2028 | 2099 | CX | 50 | 1516 | 1 | 537 | 63 4E.1S | 144 40.9E | 1271 | 3808 | 243 | SI | 50 | 1494 | 1 |
| 534 | 63 03.0S | 170 01.1E | 1271 | 2028 | 2096 | CX | 50 | 1517 | 2 | 537 | 63 4E.8S | 144 41.5E | 1271 | 3808 | 242 | SI | 50 | 1495 | 2 |
| 534 | 62 01.1S | 170 00.0E | 1271 | 3374 | 3577 | CX | 50 | 1518 | 1 | 537 | 63 2E.3S | 144 43.7E | 1271 | 3880 | 3888 | CX SI | 50 | 1496 | 1 |
| 534 | 62 03.1S | 170 00.5E | 1271 | 3374 | 3545 | CX | 50 | 1519 | 2 | 537 | 63 30.2S | 144 44.6E | 1271 | 3880 | 3874 | CX SI | 50 | 1497 | 2 |
| 534 | 61 01.3S | 170 01.8E | 1271 | 4618 | 4480 | CX | 50 | 1520 | 1 | 537 | 63 17.6S | 144 46.4E | 1271 | 3939 | 260 | SI | 50 | 1498 | 1 |
| 534 | 61 04.7S | 170 03.2E | 1271 | 4618 | 4477 | CX | 50 | 1521 | 2 | 537 | 63 17.9S | 144 46.7E | 1271 | 3939 | 258 | SI | 50 | 1499 | 2 |
| 534 | 60 00.3S | 170 02.5E | 1271 | 5016 | 2976 | CX | 50 | 1522 | 1 | 537 | 63 14.3S | 144 46.9E | 1271 | 4001 | 259 | SI | 50 | 1500 | 1 |
| 535 | 64 59.0S | 160 41.9E | 0267 | 2962 | 2887 | CX SI PC NA | 27 | 658 | 0 | 537 | 62 5E.9S | 144 4E.7E | 1271 | 4001 | 256 | SI | 50 | 1501 | 2 |
| 535 | 64 5E.2S | 160 37.0E | 0267 | 2969 | 2974 | CX SI PC NA | 27 | 659 | 1 | 538 | 60 03.1S | 134 47.2E | 0768 | 4597 | 4622 | CX SI PC NA | 34 | 851 | 0 |
| 535 | 60 04.7S | 167 31.8E | 0668 | 4541 | 4280 | CX NA | 34 | 835 | 0 | 538 | 66 14.2S | 135 47.0E | 0768 | 4597 | 363 | CX SI PC NA | 37 | 1011 | 0 |
| 535 | 65 00.4S | 164 55.7E | 1271 | 3106 | 3110 | CX | 50 | 1506 | 1 | 538 | 66 14.0S | 135 45.6E | 0768 | 4597 | 384 | CX SI PC NA | 37 | 1012 | 1 |
| 535 | 65 02.0S | 164 53.8E | 1271 | 3106 | 3092 | CX | 50 | 1507 | 2 | 538 | 66 13.9S | 135 44.2E | 0768 | 4597 | 384 | CX SI PC NA | 37 | 1013 | 2 |
| 535 | 66 17.2S | 165 57.7E | 1271 | 3212 | 286 | CX | 50 | 1510 | 1 | 538 | 65 54.6S | 138 52.2E | 0768 | 4597 | 712 | CX SI PC NA | 37 | 1014 | 1 |
| 535 | 66 17.0S | 165 58.4E | 1271 | 3212 | 285 | CX | 50 | 1511 | 2 | 538 | 65 54.2S | 138 54.9E | 0768 | 4597 | 677 | CX SI PC NA | 37 | 1015 | 2 |
| 535 | 65 00.7S | 165 5E.9E | 1271 | 2990 | 2975 | CX | 50 | 1512 | 1 | 538 | 65 55.4S | 138 51.8E | 0768 | 4597 | 673 | CX SI PC NA | 37 | 1016 | 1 |
| 535 | 65 02.2S | 165 5E.2E | 1271 | 2990 | 2975 | CX | 50 | 1513 | 2 | 538 | 65 55.3S | 138 53.6E | 0768 | 4597 | 673 | CX SI PC NA | 37 | 1017 | 2 |
| 535 | 62 00.1S | 169 21.2E | 0172 | 3411 | 1194 | CX SI PC NA | 51 | 5 | 0 | 538 | 65 55.3S | 138 53.7E | 0768 | 4597 | 653 | CX SI PC NA | 37 | 1018 | 1 |
| 535 | 66 17.3S | 166 30.1E | 0172 | 3120 | 2973 | CX SI PC NA | 51 | 6 | 0 | 538 | 65 55.2S | 138 55.5E | 0768 | 4597 | 653 | CX SI PC NA | 37 | 1019 | 2 |
| 536 | 62 40.1S | 15E 05.0E | 0267 | 2328 | 435 | CX SI PC NA | 27 | 660 | 1 | 538 | 65 55.2S | 138 55.6E | 0768 | 4597 | 634 | CX SI PC NA | 37 | 1020 | 1 |
| 536 | 62 39.4S | 15E 05.0E | 0267 | 2252 | 2196 | CX SI PC NA | 27 | 661 | 0 | 538 | 65 55.1S | 138 57.4E | 0768 | 4597 | 634 | CX SI PC NA | 37 | 1021 | 2 |
| 536 | 62 39.6S | 15E 05.0E | 0267 | 2205 | 2255 | CX SI PC NA | 27 | 662 | 1 | 538 | 65 55.1S | 13E 57.5E | 0768 | 4597 | 612 | CX SI PC NA | 37 | 1022 | 1 |
| 536 | 60 00.6S | 155 33.5E | 0267 | 3147 | 524 | CX SI PC NA | 27 | 663 | 1 | 538 | 65 55.0S | 13E 59.3E | 0768 | 4597 | 612 | CX SI PC NA | 37 | 1023 | 2 |
| 536 | 60 00.0S | 155 33.2E | 0267 | 2932 | 2866 | CX SI PC NA | 27 | 664 | 0 | 538 | 65 55.0S | 13E 59.5E | 0768 | 4597 | 588 | CX SI PC NA | 37 | 1024 | 1 |
| 536 | 60 13.6S | 155 56.1E | 0668 | 3524 | 3213 | CX | 34 | 836 | 0 | 538 | 65 55.0S | 13E 01.1E | 0269 | 508 | 556 | CX SI PC NA | 37 | 1025 | 2 |
| 536 | 60 00.2S | 155 05.2E | 1268 | 3016 | 2990 | CX SI PC NA | 36 | 951 | 0 | 538 | 65 55.0S | 13E 01.4E | 0269 | 545 | 524 | CX SI PC NA | 37 | 1026 | 1 |
| 536 | 60 23.2S | 157 31.5E | 1268 | 2868 | 2792 | CX SI PC NA | 36 | 952 | 1 | 538 | 65 54.9S | 13E 02.3E | 0269 | 545 | 521 | CX SI PC NA | 37 | 1027 | 2 |
| 536 | 60 23.6S | 157 32.4E | 1268 | 2868 | 2777 | CX SI PC NA | 36 | 953 | 2 | 538 | 65 54.8S | 13E 03.5E | 0269 | 467 | 445 | CX SI PC NA | 37 | 1028 | 1 |
| 536 | 63 05.5S | 158 0E.6E | 0169 | 2459 | 2448 | CX SI PC NA | 37 | 972 | 1 | 538 | 65 55.0S | 13E 04.4E | 0269 | 467 | 441 | CX SI PC NA | 37 | 1029 | 2 |
| 536 | 63 04.3S | 158 10.1E | 0169 | 2459 | 2440 | CX SI PC NA | 37 | 973 | 2 | 538 | 65 55.0S | 13E 04.5E | 0269 | 459 | 426 | CX SI PC NA | 37 | 1030 | 1 |
| 536 | 65 15.2S | 156 02.5E | 0169 | 3188 | 3185 | CX SI PC NA | 37 | 974 | 1 | 538 | 65 55.1S | 13E 05.4E | 0269 | 459 | 425 | CX SI PC NA | 37 | 1031 | 2 |
| 536 | 65 15.7S | 156 03.2E | 0169 | 3188 | 3188 | CX SI PC NA | 37 | 975 | 2 | 538 | 65 55.1S | 13E 05.4E | 0269 | 706 | 665 | CX SI PC NA | 37 | 1032 | 1 |
| 536 | 64 40.5S | 152 36.5E | 0169 | 3315 | 3317 | CX SI PC NA | 37 | 976 | 1 | 538 | 65 55.4S | 13E 50.2E | 0269 | 706 | 665 | CX SI PC NA | 37 | 1033 | 2 |
| 536 | 64 39.8S | 152 27.8E | 0169 | 3315 | 3306 | CX SI PC NA | 37 | 977 | 2 | 538 | 65 55.4S | 13E 50.3E | 0269 | 702 | 665 | CX SI PC NA | 37 | 1034 | 1 |
| 536 | 64 51.8S | 150 26.4E | 0169 | 3307 | 3269 | CX SI PC NA | 37 | 978 | 1 | 538 | 65 55.5S | 13E 51.0E | 0269 | 702 | 669 | CX SI PC NA | 37 | 1035 | 2 |
| 536 | 64 49.5S | 150 29.2E | 0169 | 3307 | 3269 | CX SI PC NA | 37 | 979 | 2 | 538 | 65 55.6S | 13E 51.7E | 0269 | 676 | 668 | CX SI PC NA | 37 | 1036 | 1 |
| 536 | 64 50.2S | 150 27.1E | 0169 | 3308 | 2972 | CX SI PC NA | 37 | 980 | 0 | 538 | 65 55.7S | 13E 51.9E | 0269 | 676 | 665 | CX SI PC NA | 37 | 1037 | 2 |
| 536 | 64 18.0S | 150 03.0E | 0369 | 3559 | 3404 | CX SI PC NA | 38 | 1 | 0 | 538 | 65 55.7S | 13E 52.1E | 0269 | 658 | 644 | CX SI PC NA | 37 | 1038 | 1 |
| 536 | 64 12.0S | 150 01.0E | 0369 | 3557 | 3256 | CX SI PC NA | 38 | 2 | 0 | 538 | 65 55.9S | 13E 52.5E | 0269 | 658 | 640 | CX SI PC NA | 37 | 1039 | 2 |
| 536 | 64 09.0S | 150 12.0E | 0469 | 3378 | 2956 | CX | 38 | 3 | 0 | 538 | 65 55.9S | 13E 52.5E | 0269 | 642 | 618 | CX SI PC NA | 37 | 1040 | 1 |
| 536 | 61 44.0S | 150 02.0E | 0469 | 3607 | 1940 | CX | 38 | 6 | 0 | 538 | 65 56.0S | 13E 52.9E | 0269 | 642 | 616 | CX SI PC NA | 37 | 1041 | 2 |
| 536 | 61 55.0S | 150 04.0E | 0469 | 3711 | 3359 | CX | 38 | 7 | 0 | 538 | 65 56.0S | 13E 52.9E | 0269 | 596 | 584 | CX SI PC NA | 37 | 1042 | 1 |
| 536 | 62 53.8S | 155 35.9E | 1271 | 3675 | 3603 | CX SI | 50 | 1502 | 0 | 538 | 65 56.1S | 13E 53.2E | 0269 | 596 | 584 | CX SI PC NA | 37 | 1043 | 2 |
| 536 | 63 14.2S | 154 55.3E | 1271 | 2986 | 2959 | CX SI | 50 | 1503 | 1 | 538 | 65 56.2S | 13E 53.3E | 0269 | 571 | 556 | CX SI PC NA | 37 | 1044 | 1 |
| 536 | 63 13.4S | 154 54.0E | 1271 | 2986 | 2995 | CX SI | 50 | 1504 | 2 | 538 | 65 56.3S | 13E 53.6E | 0269 | 571 | 554 | CX SI PC NA | 37 | 1045 | 2 |
| 536 | 63 5E.6S | 155 59.1E | 1271 | 2796 | 2775 | CX SI | 50 | 1505 | 0 | 538 | 65 56.5S | 13E 54.3E | 0269 | 603 | 576 | CX SI PC NA | 37 | 1046 | 1 |
| 537 | 60 12.2S | 144 48.4E | 0768 | 4029 | 4097 | CX SI PC NA | 34 | 849 | 0 | 538 | 65 56.6S | 13E 54.7E | 0269 | 603 | 576 | CX SI PC NA | 37 | 1047 | 2 |
| 537 | 60 03.2S | 140 04.9E | 0768 | 4447 | 4385 | CX SI PC NA | 34 | 850 | 0 | 538 | 65 56.6S | 13E 54.7E | 0269 | 609 | 575 | CX SI PC NA | 37 | 1048 | 1 |
| 537 | 60 03.2S | 140 03.1E | 1168 | 4430 | 4406 | CX SI PC NA | 36 | 909 | 0 | 538 | 65 56.8S | 13E 55.1E | 0269 | 609 | 575 | CX SI PC NA | 37 | 1049 | 2 |
| 537 | 61 35.1S | 140 22.7E | 1168 | 4278 | 4054 | CX SI PC NA | 36 | 910 | 1 | 538 | 65 56.8S | 13E 55.1E | 0269 | 614 | 575 | CX SI PC NA | 37 | 1050 | 1 |
| 537 | 61 40.1S | 140 26.4E | 1168 | 4278 | 4071 | CX SI PC NA | 36 | 911 | 2 | 538 | 65 56.7S | 13E 54.8E | 0269 | 614 | 572 | CX SI PC NA | 37 | 1051 | 2 |
| 537 | 60 40.1S | 142 12.9E | 1168 | 4332 | 4261 | CX SI PC NA | 36 | | | | | | | | | | | | |





Nominal Scale 1:15,000,000
Polar Stereographic Conformal Projection

▲ STD Stations (Lamont)
● Serial Hydrographic Stations (Lamont)
■ Serial Hydrographic Stations (Other Institutions)



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