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Ödsmål. Kville sn, Bohuslän

Hällristning
Fiskare från
bronsåldern

Rock carving
Bronze age
fishermen



MEDDELANDE från
HAVSFISKELABORATORIET • LYSEKIL

nr

82

Hydrografiska avdelningen, Göteborg.

Hydrographical Data

1963

R.V. Skagerak

R.V. Thetis

April 1970

HYDROGRAPHICAL DATA

1963

R/V SKAGERAK

R/V THETIS

Contents

| | Pages |
|--------------------------|----------|
| Introduction | III-VII |
| Track Charts | |
| "Skagerak" | VIII-XI |
| "Thetis" | XII-XIII |
| Data Lists | |
| "Skagerak" | |
| Temperature and salinity | 1- 99 |
| Chemical observations | 101-120 |
| "Thetis" | |
| Temperature and salinity | 121-162 |
| Chemical observations | 163-173 |

INTRODUCTION

This volume contains data from hydrographic stations worked in 1963 by Swedish research vessels.

In the data lists the stations are recorded in chronological order for each ship. The data lists are preceded by a number of track charts in which the stations have been plotted. Also the track charts are arranged chronologically for each ship.

For each ship the data lists have been split up in two sections: the first of them records temperature, salinity, oxygen content, and meteorological data, whereas the second section records the chemical observation available, as indicated by the code figures in the column headed "Extra info." of the first section.

The following information applies to the figures recorded in the lists.

Country. Code number according to the IGY code. Code number 77 stands for Sweden.

Ship. Number of the vessel of the country in question according to a national code. In this volume the following numbers from the Swedish ship code occur:-

11 "Skagerak"

13 "Thetis"

Both ships are operated by the Fishery Board of Sweden (Göteborg).

Station number. The number of the station for the year and the ship in question. For both ships there are some gaps in the series of numbers.

Station time. Starting time (to nearest hour) of the hydrographic station in GMT.

Weather. The following code is used:

- 0 - Clear (no cloud at any level)
- 1 - Partly cloudy (scattered or broken)
- 2 - Continuous layer(s) of cloud(s)
- 3 - Sandstorm, duststorm or storm of drifting snow
- 4 - Fog, thick dust or haze
- 5 - Drizzle
- 6 - Rain
- 7 - Snow, or rain and snow mixed
- 8 - Shower(s)
- 9 - Not observed

Cloud amont. The fraction of the celestial dome covered by cloud, given in eights:

- 0 - No clouds
- 1 - 1/8 or less, but not zero
- 2 - 2/8
- 3 - 3/8
- 4 - 4/8
- 5 - 5/8
- 6 - 6/8
- 7 - 7/8 or more, but not 8/8
- 8 - 8/8
- 9 - Not observed

State of sea. The following code is used:

| Code figure | Descriptive term | Height in metres | Height K) in feet (appr.) |
|-------------|-------------------|------------------|-------------------------------------|
| 0 | Calm (glassy) | 0 | 0 |
| 1 | Calm (rippled) | 0 - 0.1 | 0 - 1/3 |
| 2 | Smooth (wavelets) | 0.1 - 0.5 | 1/3- 1 2/3 |
| 3 | Slight | 0.5 - 1.25 | 1 2/3- 4 |
| 4 | Moderate | 1.25- 2.5 | 4 - 8 |
| 5 | Rough | 2.5 - 4 | 8 -13 |
| 6 | Very rough | 4 - 6 | 13 -20 |
| 7 | High | 6 - 9 | 20 -30 |
| 8 | Very high | 9 -14 | 30 -45 |
| 9 | Not observed | | |

K) The average wave height as obtained from the larger well-formed waves of the wave system being observed.

Ice. The figures indicate occurrence of ice in the vicinity of the oceanographic station according to the following code:

- 0 - No ice
- 1 - Ice present in vicinity, but not identified as to type or amount (sighted visually or by radar)
- 2 - Few bergs (10 or less)
- 3 - Many bergs (more than 10)
- 4 - Very open or open pack ice (6/10 coverage or less) more than 1 naut. mile distant from the hydrographic or BT observation
- 5 - Close or very close pack ice (more than 6/10 coverage) more than 1 naut. mile distant from the hydrographic or BT observation
- 6 - Very open or open pack ice (6/10 coverage or less), hydrographic or BT observation within ice pack or less than 1 naut. mile away
- 7 - Close or very close pack ice (more than 6/10 coverage), hydrographic or BT observation within ice pack or less than 1 naut. mile away
- 8 - Hydrographic or BT observation actually within very heavy concentration of pack ice, polar pack, fast ice, etc. (observations made from "ice islands", drifting pack, beset vessels, fast ice, or other similar cases)
- 9 - No observation of ice made (possibly due to limited visibility, or because ice observations not a part of the programme or for other reasons)

Depth to bottom. Corrected depth to bottom, in metres, determined while on station.

Temperature. Dry bulb. Reading of the dry bulb thermometer.

Wind direction. The true direction, in tens of degrees, from which the wind is blowing:

| Code figure | | Code figure | |
|-------------|-----------|-------------|-------------|
| 00 | Calm | 19 | 185° - 194° |
| 01 | 5° - 14° | 20 | 195° - 204° |
| 02 | 15° - 24° | 21 | 205° - 214° |
| 03 | 25° - 34° | 22 | 215° - 224° |
| 04 | 35° - 44° | 23 | 225° - 234° |
| 05 | 45° - 54° | 24 | 235° - 244° |
| 06 | 55° - 64° | 25 | 245° - 254° |
| 07 | 65° - 74° | 26 | 255° - 264° |
| 08 | 75° - 84° | 27 | 265° - 274° |
| 09 | 85° - 94° | 28 | 275° - 284° |

| | | | |
|----|-------------|----|-------------|
| 10 | 95° - 104° | 29 | 285° - 294° |
| 11 | 105° - 114° | 30 | 295° - 304° |
| 12 | 115° - 124° | 31 | 305° - 314° |
| 13 | 125° - 134° | 32 | 315° - 324° |
| 14 | 135° - 144° | 33 | 325° - 334° |
| 15 | 145° - 154° | 34 | 335° - 344° |
| 16 | 155° - 164° | 35 | 345° - 354° |
| 17 | 165° - 174° | 36 | 355° - 4° |
| 18 | 175° - 184° | 99 | Variable |

Mixed layer depth. The thickness, in metres, of the mixed layer, determined by means of a BT trace or other equivalent source. The layer is considered mixed (=isothermal, in this case), if the approximate vertical temperature gradient is less than 0.1°C in any 15 metres and less than 0.6°C in any 200 metres with the upper 2 metres excluded. If the BT observation shows that the mixed layer extends to the bottom of the trace the depth of the trace followed by a + sign is entered for mixed layer depth.

Observation time. The nearest hour (in GMT) for the observation.

Oxygen content is recorded in two ways. In the temperature and salinity sections it is given in ml per litre of water, whereas in the chemical data sections it has been converted to micromols per dm³.

Salinity method. Indication of the method used for determination of salinity, according to the following code:

- 1 - Titration by routine Mohr-Knudsen method
- 2 - Titration by special precision method
- 3 - Conductivity measurement by instrument designed to give the salinity permille with a standard deviation of 0.01 or less
- 4 - Conductivity measurement by instrument designed to give the salinity permille with a standard deviation greater than 0.01
- 5 - Refraction index measurement
- 6 - Direct density measurement

Extra information. By code figures in this column is indicated whether or not additional information of physical and chemical nature was collected at the station. The following code is used:

Code
figure

- 0 - No further information
- 1 - Further information other than chemical

VII

- 2 - Further information plus chemical results
- 3 - Chemical results only, not covered by 4-9
- 4 - Phosphate
- 5 - Phosphate and silicate only
- 6 - Phosphate and nitrate and/or nitrite only
- 7 - Phosphate, silicate and nitrate and/or nitrite only
- 8 - Total phosphorus only
- 9 - Total phosphorus and silicate only

This additional information is recorded in the chemistry sections.

Chlorosity is defined as chlorinity multiplied by the density at 20°C.

It has been computed from the salinity values and is given in grams per dm^3 at 20°C.

Phosphate content is given as microgram-atoms phosphate phosphorus per dm^3 of water at 20°C.

Nitrate content is given as microgram-atoms nitrate nitrogen per dm^3 of water at 20°C.

Nitrite content is given as microgram-atoms nitrite nitrogen per dm^3 of water at 20°C.

Ammonium content is given as microgram-atoms ammonium nitrogen per dm^3 of water at 20°C.

pH indicates the hydrogen-ion concentration in situ.

Alkalinity is given in microval per dm^3 of water at 20°C.

Card code. In the temperature and salinity sections this indicates whether temperature and salinity are observed or interpolated. The following code is used:

- 03 - Temperature and salinity observed
- 83 - Temperature interpolated, salinity observed
- 93 - Temperature observed, salinity interpolated
- 13 - Temperature and salinity interpolated

In the chemistry sections the following code is used:

- 06 - Chemical data observed
- 16 - Chemical data interpolated

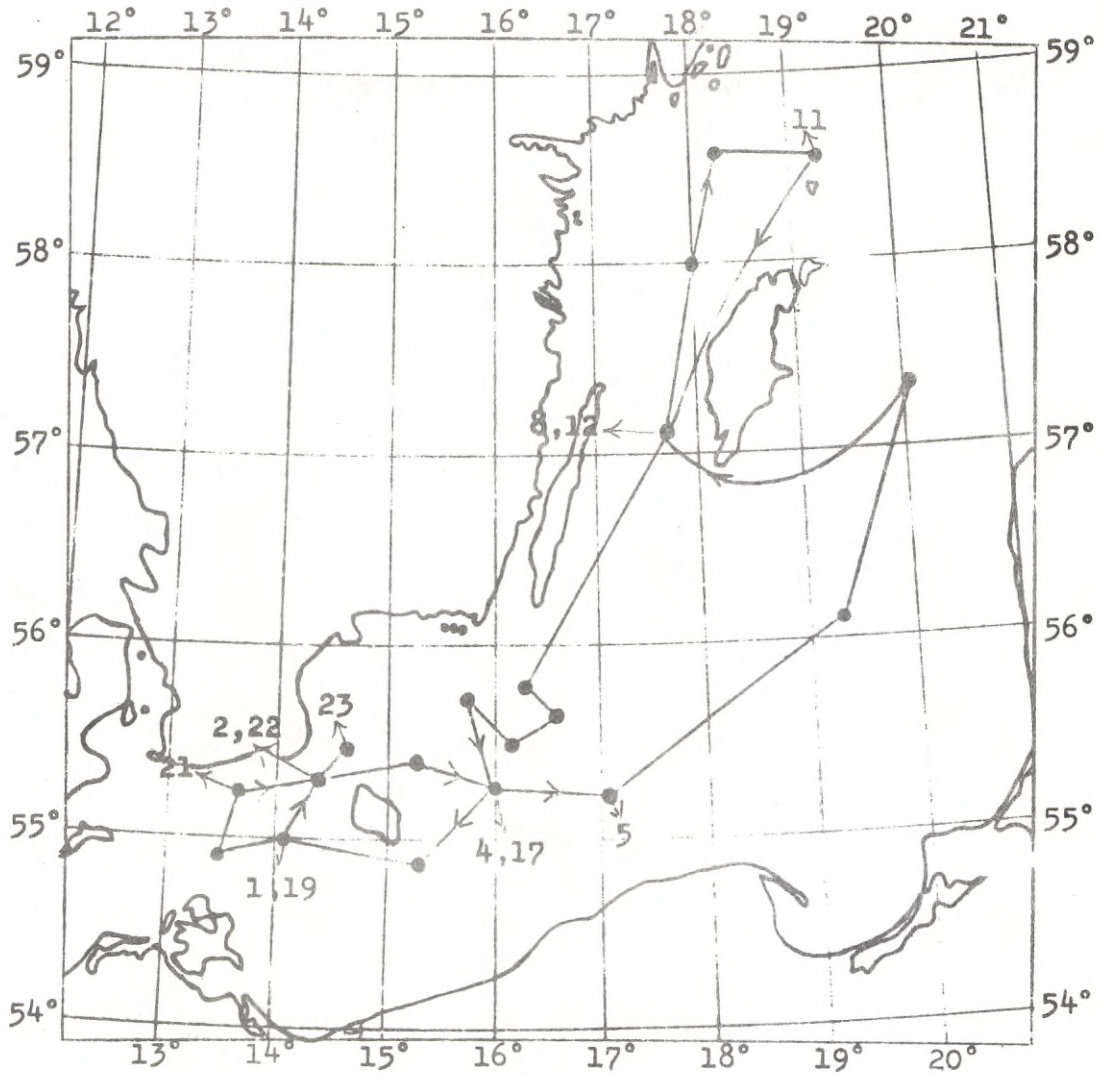
The arrows in the heading indicate the position of the decimal points.

The suffix Q at a figure indicates that the figure is questionable.

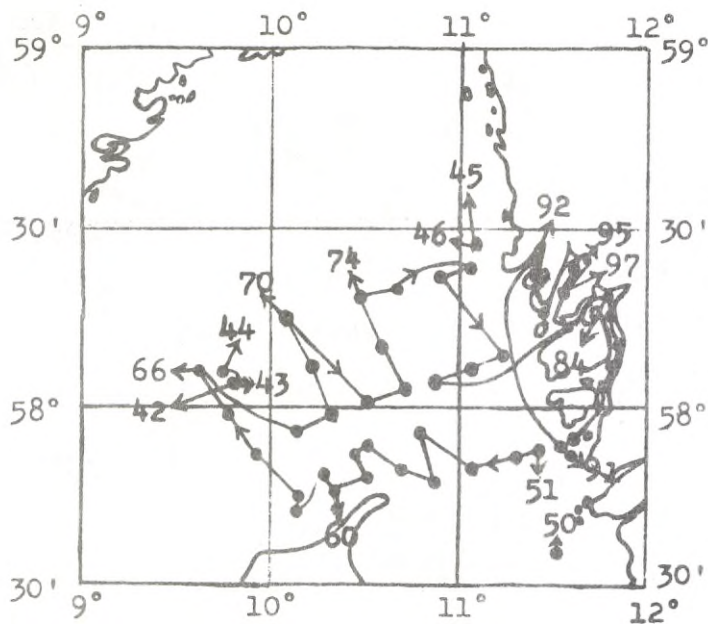
For further information on the system used reference is made to the ICES punch card manual ("ICES Oceanographic Punch Cards", 2nd edition).

VIII

"Skagerak"

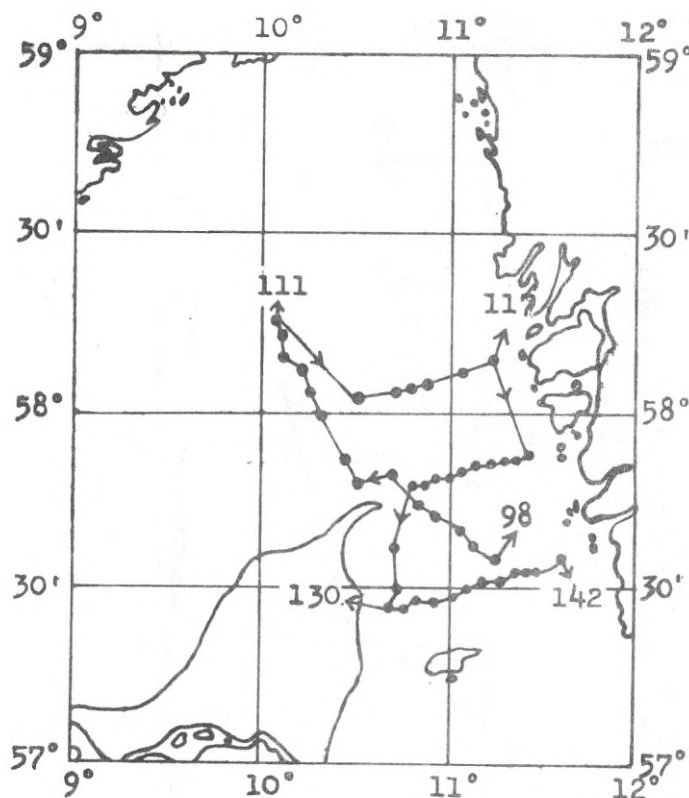


Stat. Nos. 1-23. Period: 8-28/1. Pages 3-10.

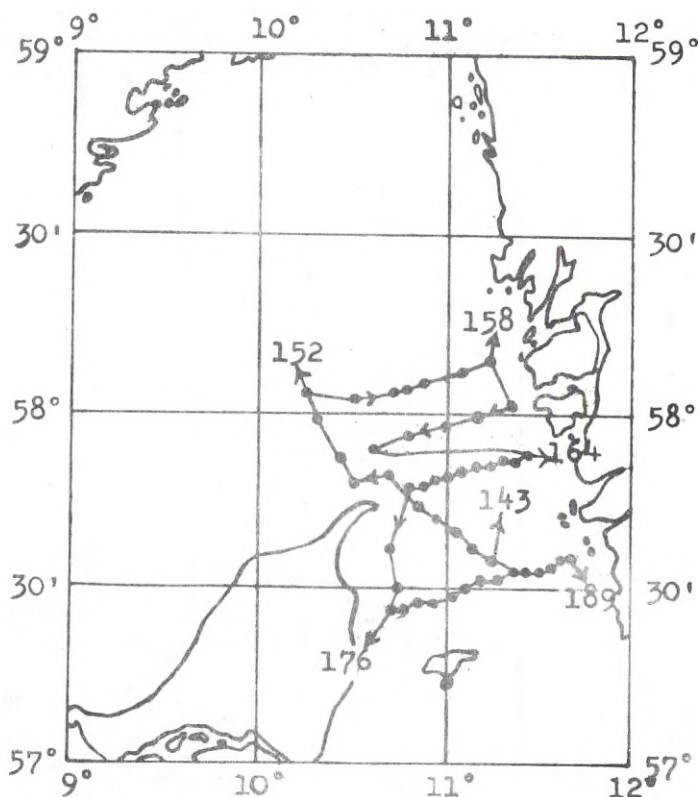


Stat. Nos. 42-44, 45-46, 50. Period: 17-29/4. Pages 10-11.
 " " 51-97. Period: 15-21/5. Pages 11-26.

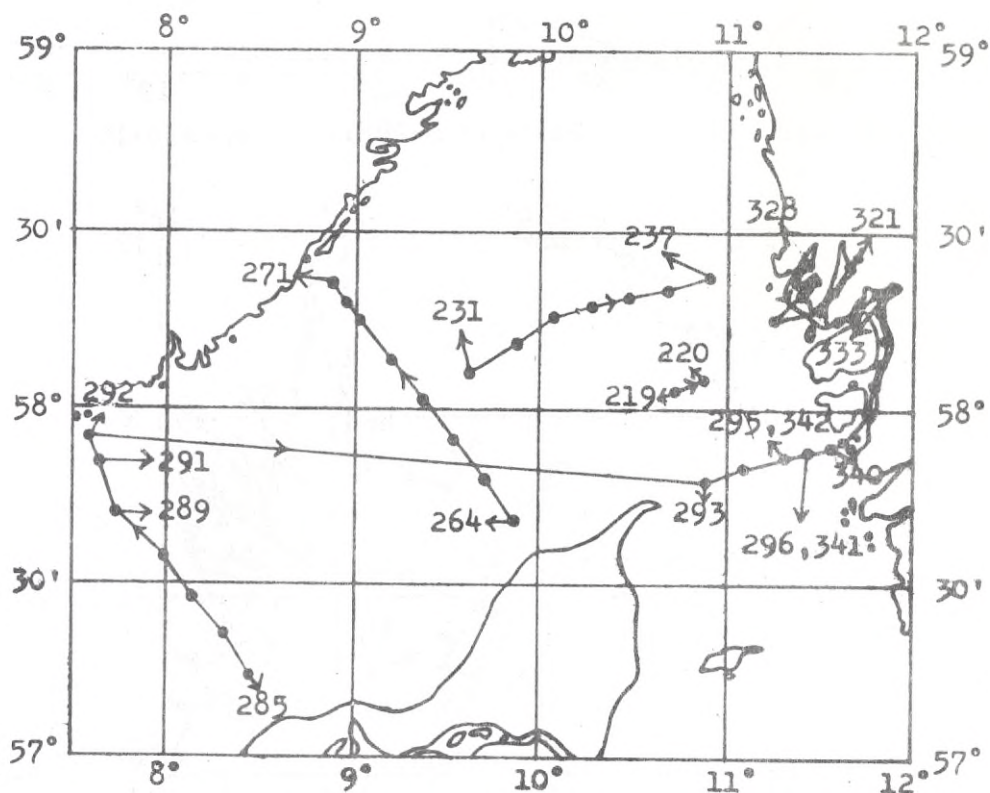
IX
"Skagerak"



Stat. Nos. 98-142. Period: 27-29/5.
Pages 26-39.

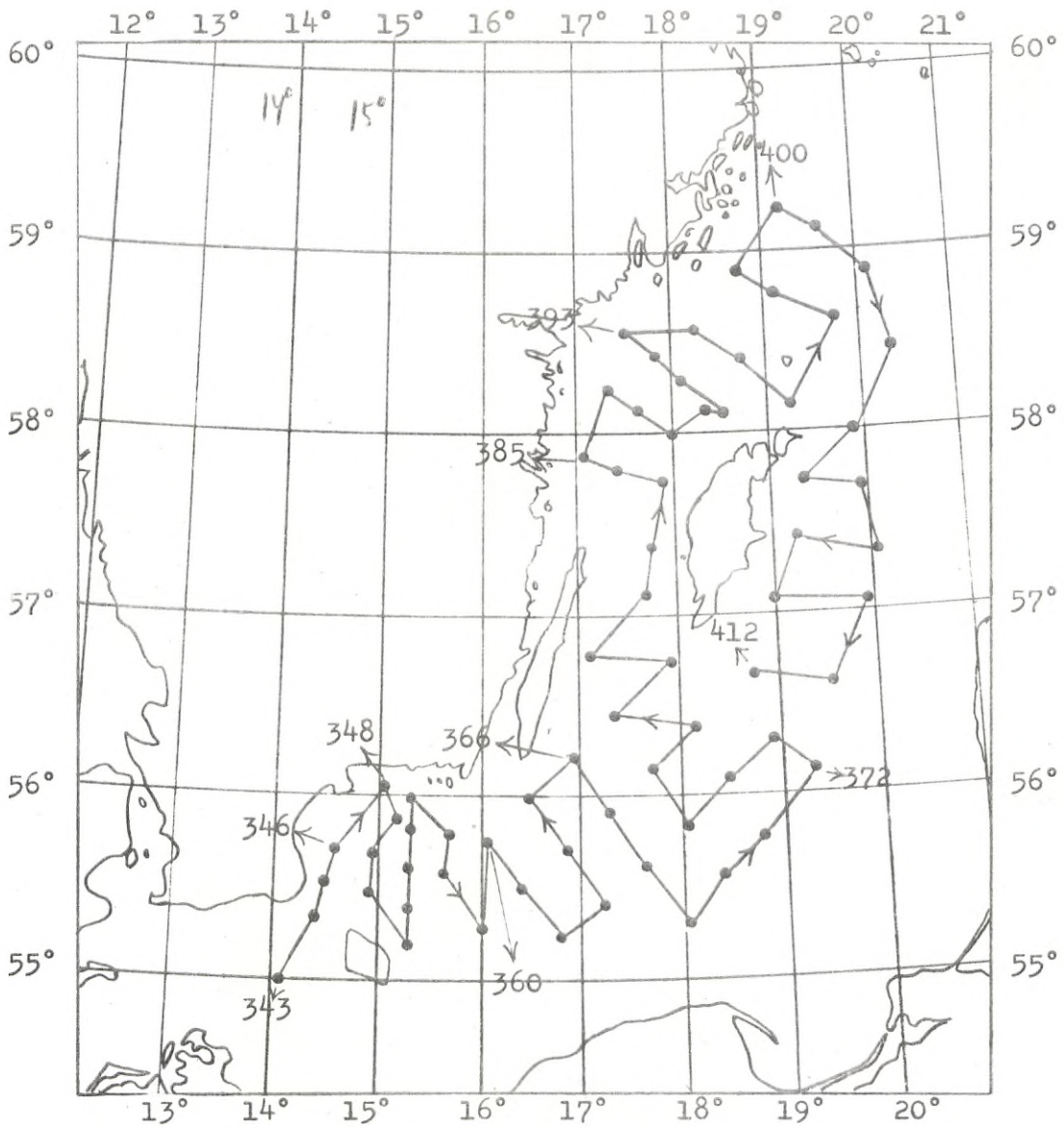


Stat. Nos. 143-189. Period: 4-7/6.
Pages 39-52.



Stat. Nos. 219-220, 231-237. Period: 12-13/6. Pages 52-56.
" " 264-271, 285-296. " : 17-19/6. " 56-63.
" " 321-342. Period: 26-27/6. Pages 63-69, 103-110.

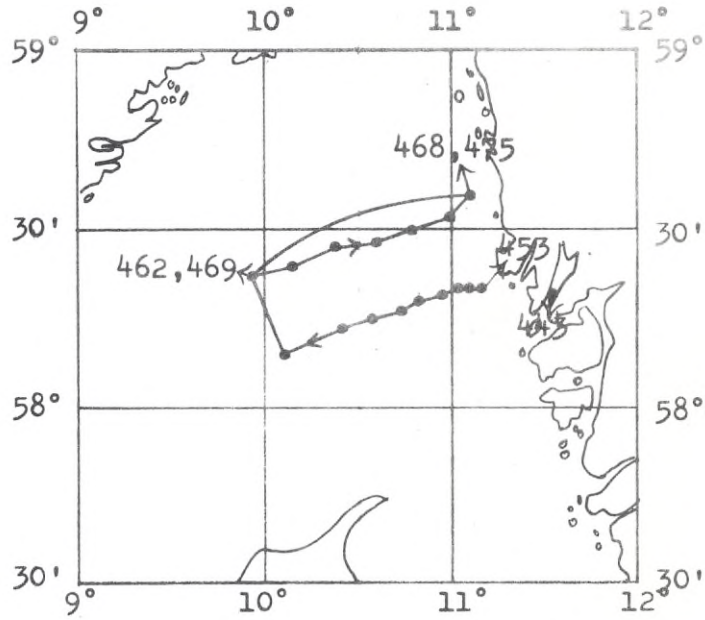
"Skagerak"



Stat. Nos. 343-412. Period: 4-16/8. Pages 69-85, 111-113.

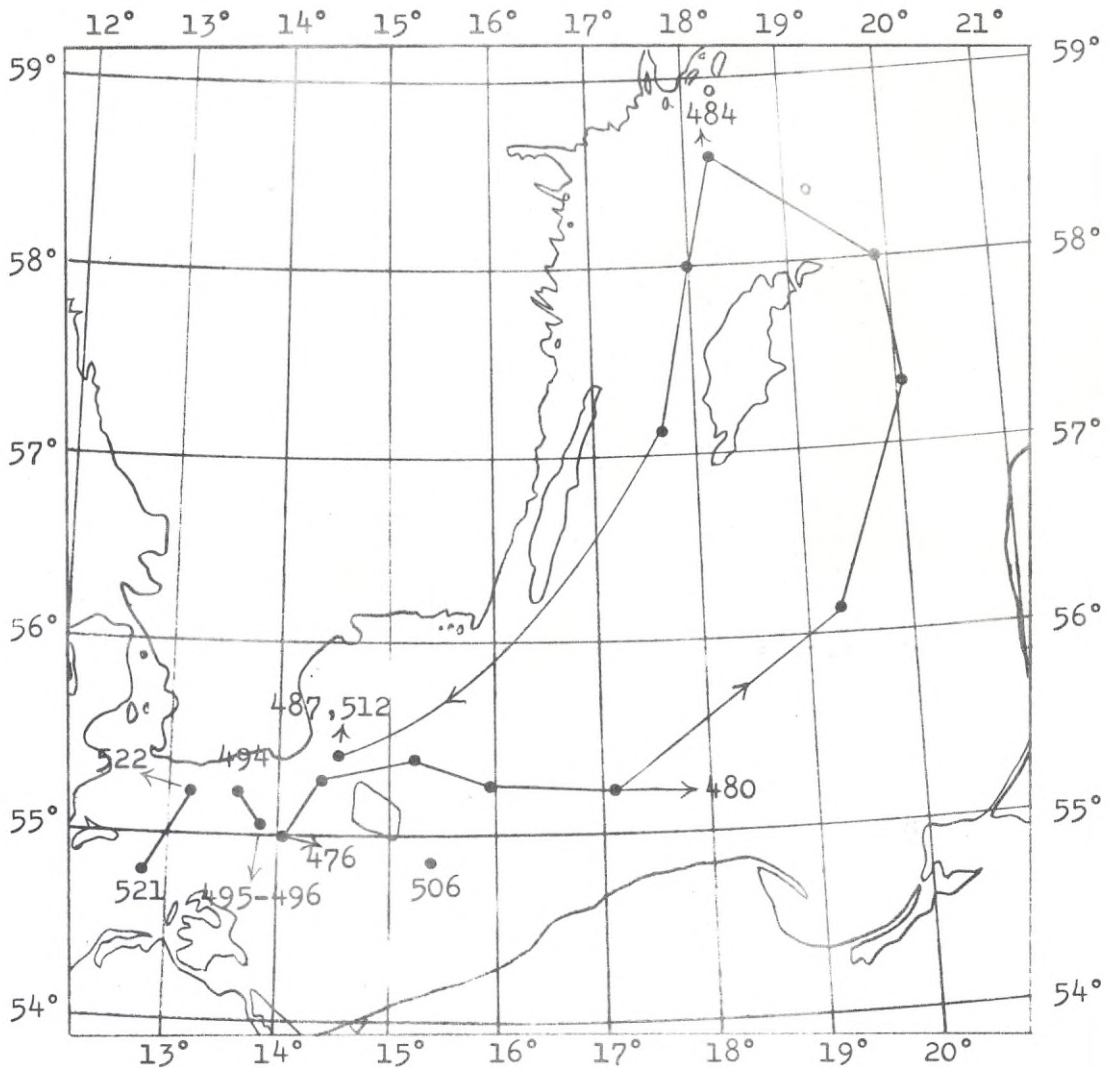
XI

"Skagerak"



Stat. No. 443. Date 9/9. Page 85.

" Nos. 453-475. Period: 23-26/9. Pages 85-93.

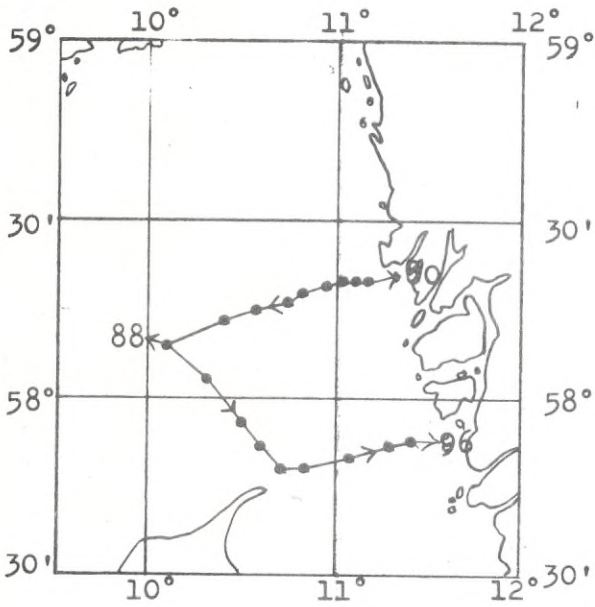


Stat. Nos. 476-487. Period: 22-25/10. Pages 93-97, 113-120.

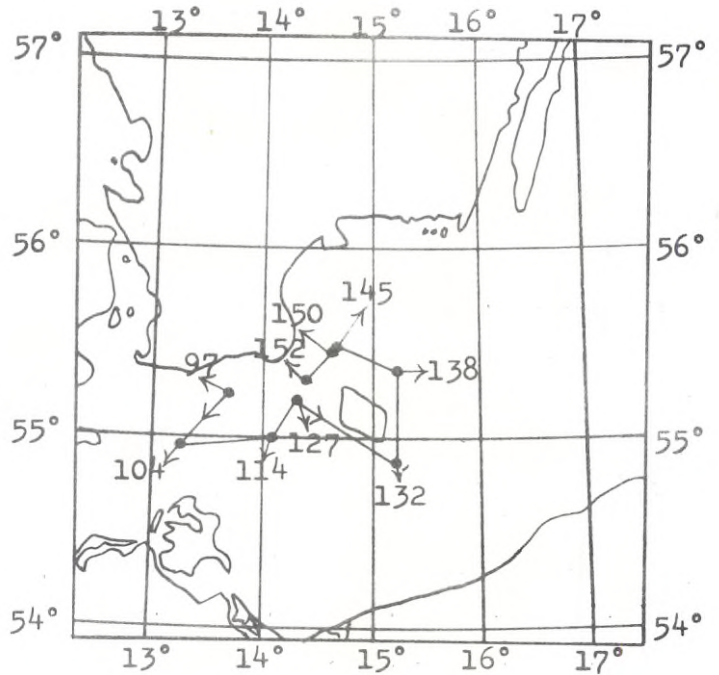
" " 494-496, 506, 512. Period: 29/10-1/11. Pages 97-99.

" " 521-522. Period: 6-7/11. Page 99.

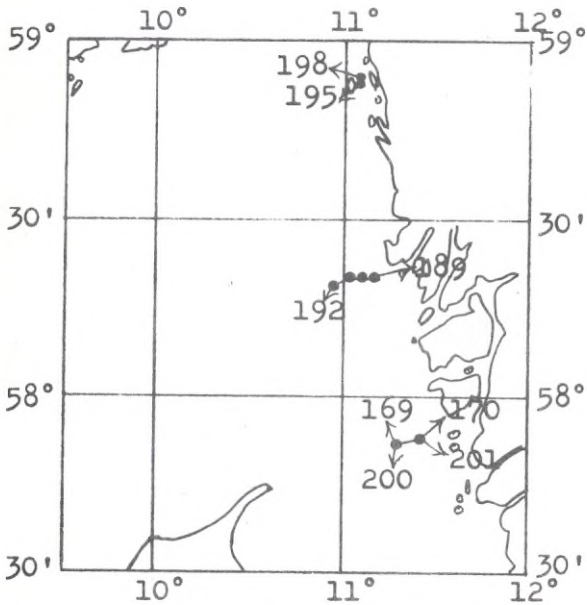
"Thetis"



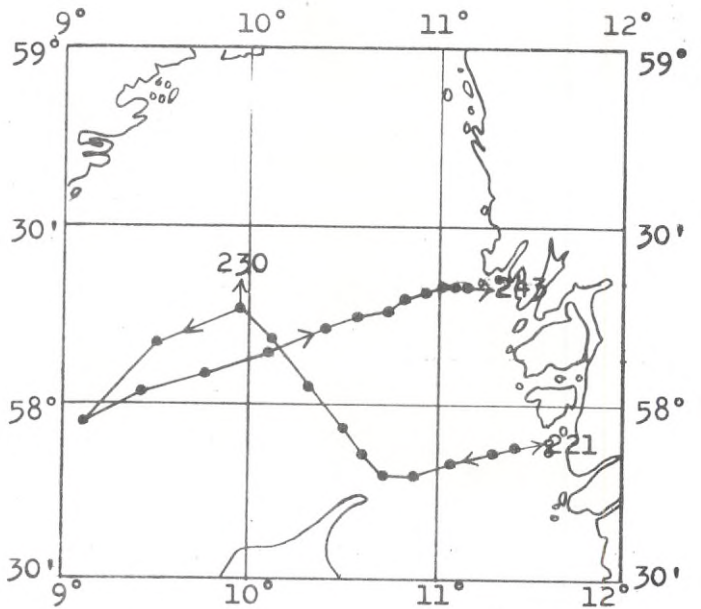
Stat. Nos. 80-96.
 Period: 1-2/8.
 Pages 142-148.



Stat. Nos. 97, 104, 114, 127, 132, 138,
 145, 150, 152.
 Period: 9-17/9. Pages 148-150.



Stat. Nos. 169-170. Date: 7/10.
 Pages 150-151, 167-168.
 Stat. Nos. 189-192, Date: 11/10.
 Pages 151-152.
 Stat. Nos. 195, 198. Dates: 29/10, 5/12.
 Pages 152-153.
 Stat. Nos. 200-201. Date: 11/12.
 Pages 153, 168-169.



Stat. Nos. 221-243. Period: 16-17/12.
 Pages 153-162, 169-173.

"Skagerak"

Temperature and Salinity

| Country | Ship | Station number | Latitude | | Longitude | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|------------------------------|------------|------------------------------|---------|--------------------------|------------|---------------------|-------------|--------------|--------------|------|
| | | | 1-N+W | 2-S+E | | | | | | | | | |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | Temperature °C Wet ↓ bulb | | Wind Dir. Speed kn. | | Mixed layer depth m | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Code | | |
| 77 | 11 | 0001 | 55 00 | 0 | 14 05 | 63 | 01 | 08 | 16 | 1 | 3 | 1 | 9 |
| | | 0048 | -02 | | | | 27 | 10 | | | | | |
| | 16 | 0000 | 01 80 | | 08 19 | | | 09 | 00 | | | 1 | 0 03 |
| | 16 | 0005 | 01 80 | | 08 19 | | | 09 | 13 | | | 1 | 0 03 |
| | 16 | 0010 | 01 87 | | 08 19 | | | 09 | 04 | | | 1 | 0 03 |
| | 16 | 0015 | 02 26 | | 08 20 | | | 08 | 94 | | | 1 | 0 03 |
| | 16 | 0020 | 02 57 | | 08 24 | | | 08 | 88 | | | 1 | 0 03 |
| | 16 | 0030 | 02 69 | | 08 24 | | | 08 | 77 | | | 1 | 0 03 |
| | 16 | 0040 | 05 31 | | | | | 07 | 83Q | | | | 0 03 |
| | 16 | 0045 | 05 58 | | 13 22 | | | 07 | 00 | | | 1 | 0 03 |
| 77 | 11 | 0002 | 55 18 | 0 | 14 24 | 63 | 01 | 08 | 18 | 1 | 3 | 1 | 9 |
| | | 0048 | -02 | | | | 27 | 10 | | | | | 005 |
| | 18 | 0000 | 02 28 | | 08 09 | | | 08 | 92 | | | 1 | 0 03 |
| | 18 | 0005 | 02 27 | | 08 10 | | | 08 | 87 | | | 1 | 0 03 |
| | 18 | 0010 | 02 84 | | 08 20 | | | 08 | 88 | | | 1 | 0 03 |
| | 18 | 0015 | 02 96 | | 08 26 | | | 08 | 77 | | | 1 | 0 03 |
| | 18 | 0020 | 02 91 | | 08 28 | | | 08 | 70 | | | 1 | 0 03 |
| | 18 | 0030 | 03 21 | | 08 39 | | | 08 | 70 | | | 1 | 0 03 |
| | 18 | 0040 | 03 17 | | 08 50 | | | 08 | 73 | | | 1 | 0 03 |
| | 18 | 0045 | 05 38 | | 16 76 | | | 06 | 52 | | | 1 | 0 03 |
| 77 | 11 | 0003 | 55 23 | 0 | 15 17 | 63 | 01 | 08 | 21 | 1 | 3 | 1 | 9 |
| | | 0090 | -02 5 | | | | 27 | 12 | | | | | 020 |
| | 21 | 0000 | 03 65 | | 07 89 | | | 08 | 68 | | | 1 | 0 03 |
| | 21 | 0005 | 03 61 | | 07 89 | | | 08 | 60 | | | 1 | 0 03 |
| | 21 | 0010 | 03 69 | | 07 88 | | | 08 | 65 | | | 1 | 0 03 |
| | 21 | 0015 | 03 62 | | 07 89 | | | 08 | 64 | | | 1 | 0 03 |
| | 21 | 0020 | 03 64 | | 07 90 | | | 08 | 63 | | | 1 | 0 03 |
| | 21 | 0030 | 03 93 | | 07 97 | | | 08 | 49 | | | 1 | 0 03 |
| | 21 | 0040 | 04 02 | | 07 97 | | | 08 | 40 | | | 1 | 0 03 |
| | 21 | 0050 | 04 16 | | 08 01 | | | 08 | 35 | | | 1 | 0 03 |
| | 21 | 0060 | 06 94 | | 11 69 | | | 04 | 74 | | | 1 | 0 03 |
| | 21 | 0070 | 06 55 | | 14 07 | | | 01 | 89 | | | 1 | 0 03 |
| | 21 | 0080 | 06 31 | | 14 41 | | | 00 | 34 | | | 1 | 0 03 |
| 77 | 11 | 0004 | 55 15 | 0 | 15 59 | 63 | 01 | 09 | 00 | 2 | 8 | 1 | 9 |
| | | 0091 | -01 | | | | 27 | 12 | | | | | 010 |
| | 00 | 0000 | 03 72 | | 07 84 | | | 08 | 54 | | | 1 | 0 03 |
| | 00 | 0005 | 03 72 | | 07 84 | | | 08 | 51 | | | 1 | 0 03 |
| | 00 | 0010 | 03 87 | | 07 86 | | | 08 | 52 | | | 1 | 0 03 |
| | 00 | 0015 | 04 29 | | 07 95 | | | 08 | 50 | | | 1 | 0 03 |
| | 00 | 0020 | 04 15 | | 07 96 | | | 08 | 47 | | | 1 | 0 03 |
| | 00 | 0030 | 04 16 | | 08 00 | | | 08 | 45 | | | 1 | 0 03 |

| Country | Date | Station number | Latitude | | Longitude | | Year | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|------------|--------|-----------|---------------------|--------------|-------------|--------------|--------------|-----|
| | | | 0 | 1 | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry bulb | | Wet bulb | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | | σ_t | Oxygen | | Saturat. ‰ | | Tide number | Extra info. | Card code | |

77 11 0004

| | | | | | | | | | | | | | |
|----|------|----|----|----|----|--|--|----|-----|--|---|---|----|
| 00 | 0040 | 04 | 14 | 07 | 99 | | | 08 | 45 | | 1 | 0 | 03 |
| 00 | 0050 | 04 | 26 | 08 | 03 | | | 08 | 56Q | | 1 | 0 | 03 |
| 00 | 0060 | 07 | 14 | 11 | 39 | | | 03 | 89 | | 1 | 0 | 03 |
| 00 | 0070 | 07 | 13 | 13 | 39 | | | 02 | 21 | | 1 | 0 | 03 |
| 00 | 0080 | 06 | 72 | 14 | 21 | | | 01 | 08 | | 1 | 0 | 03 |
| 00 | 0087 | 06 | 44 | 15 | 19 | | | 00 | 38 | | 1 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|-----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0005 | 55 | 13 | 0 | 17 | 04 | 63 | 01 | 09 | 04 | 7 | 8 | 1 | 9 |
| | | 0090 | -01 | | | | | 27 | 12 | | 046 | | | | |

| | | | | | | | | | | | | | |
|----|------|----|----|----|----|--|--|----|----|--|---|---|----|
| 04 | 0000 | 04 | 02 | 07 | 77 | | | | | | 1 | 0 | 03 |
| 04 | 0005 | 03 | 99 | 07 | 79 | | | | | | 1 | 0 | 03 |
| 04 | 0010 | 04 | 05 | 07 | 79 | | | | | | 1 | 0 | 03 |
| 04 | 0015 | 04 | 01 | 07 | 77 | | | | | | 1 | 0 | 03 |
| 04 | 0020 | 04 | 07 | 07 | 80 | | | | | | 1 | 0 | 03 |
| 04 | 0030 | 04 | 02 | 07 | 80 | | | | | | 1 | 0 | 03 |
| 04 | 0040 | 04 | 07 | 07 | 82 | | | | | | 1 | 0 | 03 |
| 04 | 0050 | 04 | 93 | 08 | 65 | | | 07 | 27 | | 1 | 0 | 03 |
| 04 | 0060 | 06 | 75 | 10 | 93 | | | | | | 1 | 0 | 03 |
| 04 | 0070 | 06 | 82 | 11 | 03 | | | 04 | 37 | | 1 | 0 | 03 |
| 04 | 0080 | 06 | 81 | 11 | 29 | | | 04 | 11 | | 1 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|-----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0005 | 56 | 07 | 0 | 19 | 19 | 63 | 01 | 09 | 12 | 0 | 0 | 1 | 9 |
| | | 0120 | -02 | | | | | 32 | 10 | | 060 | | | | |

| | | | | | | | | | | | | | |
|----|------|----|----|----|----|--|--|----|----|--|---|---|----|
| 12 | 0000 | 04 | 00 | 07 | 42 | | | | | | 1 | 0 | 03 |
| 13 | 0005 | 03 | 98 | 07 | 45 | | | | | | 1 | 0 | 03 |
| 12 | 0010 | 03 | 99 | 07 | 39 | | | | | | 1 | 0 | 03 |
| 13 | 0015 | 03 | 96 | 07 | 40 | | | | | | 1 | 0 | 03 |
| 12 | 0020 | 04 | 05 | 07 | 40 | | | | | | 1 | 0 | 03 |
| 12 | 0030 | 04 | 02 | 07 | 41 | | | | | | 1 | 0 | 03 |
| 12 | 0040 | 04 | 12 | 07 | 41 | | | | | | 1 | 0 | 03 |
| 12 | 0050 | 04 | 10 | 07 | 44 | | | 08 | 41 | | 1 | 0 | 03 |
| 13 | 0060 | 04 | 14 | 07 | 45 | | | | | | 1 | 0 | 03 |
| 13 | 0070 | 03 | 36 | 08 | 51 | | | 05 | 01 | | 1 | 0 | 03 |
| 13 | 0080 | 03 | 92 | 09 | 45 | | | | | | 1 | 0 | 03 |
| 13 | 0090 | 04 | 55 | 10 | 35 | | | | | | 1 | 0 | 03 |
| 13 | 0100 | 04 | 83 | 10 | 70 | | | 01 | 63 | | 1 | 0 | 03 |
| 13 | 0110 | 04 | 98 | 10 | 98 | | | 01 | 12 | | 1 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|-----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0007 | 57 | 20 | 0 | 20 | 03 | 63 | 01 | 09 | 20 | 2 | 7 | 1 | 9 |
| | | 0250 | -01 | | | | | 02 | 08 | | 030 | | | | |

| | | | | | | | | | | | | | |
|----|------|----|----|----|----|--|--|----|----|--|---|---|----|
| 21 | 0000 | 03 | 63 | 07 | 22 | | | 08 | 66 | | 1 | 0 | 03 |
| 21 | 0005 | 03 | 56 | 07 | 23 | | | 08 | 74 | | 1 | 0 | 03 |
| 21 | 0010 | 03 | 55 | 07 | 22 | | | 08 | 71 | | 1 | 0 | 03 |

| Country | Station number | Latitude | | D-N-E 1:N+W 2:S+E 3:S+W | Longitude | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sky | Ice |
|----------------------|----------------|------------------------------|---|----------------------------------|-----------|--------------------------|----------------|------------------------|------------------|-----------------|--------------|-----------------|-----------------|-----|
| | | o | ' | | o | ' | | | | | | | | |
| Depth to bottom m | | Temperature °C Dry & bulb | | Temperature °C Wet & bulb | | Wind Dir. Speed kn. | | Mixed layer depth m | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | | σ_t | ml/l Oxygen | Seturat. ‰ | Salin. method | Entry info. | Card code | | | |

77 11 0009

| | | | | | | | | | |
|---------|-------|-------|--|--|--|--|-------|--|--------|
| 11 0090 | 04 42 | 09 94 | | | | | | | 1 0 03 |
| 11 0100 | 04 50 | 10 11 | | | | | 00 79 | | 1 0 03 |
| 11 0125 | 04 73 | 10 39 | | | | | 00 52 | | 1 0 03 |
| 11 0150 | 04 79 | 10 48 | | | | | 00 43 | | 1 0 03 |

| | | | | | | | |
|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0010 | 58 35 | 0 | 18 14 | 63 01 | 10 | 15 | 2 8 1 9 |
| 0450 | -05 | | | 32 08 | | 008 | |

| | | | | | | | |
|---------|-------|-------|--|--|--|-------|--------|
| 16 0000 | 02 37 | 06 99 | | | | 08 90 | 1 0 03 |
| 16 0005 | 02 25 | | | | | | 0 03 |
| 16 0010 | 02 29 | 06 99 | | | | 08 92 | 1 0 03 |
| 16 0015 | 02 60 | 07 00 | | | | | 1 0 03 |
| 16 0020 | 02 64 | 07 00 | | | | | 1 0 03 |
| 16 0030 | 02 84 | 07 04 | | | | 08 74 | 1 0 03 |
| 16 0040 | 02 81 | 07 04 | | | | | 1 0 03 |
| 16 0050 | 02 94 | 07 05 | | | | 08 76 | 1 0 03 |
| 16 0060 | 03 64 | 08 00 | | | | | 1 0 03 |
| 16 0070 | 03 75 | 08 90 | | | | 03 60 | 1 0 03 |
| 15 0080 | 04 24 | 09 45 | | | | | 1 0 03 |
| 15 0090 | 04 49 | 10 11 | | | | | 1 0 03 |
| 15 0100 | 04 61 | 10 34 | | | | 00 85 | 1 0 03 |
| 15 0125 | 04 72 | 10 46 | | | | | 1 0 03 |
| 15 0150 | 04 81 | 10 59 | | | | 00 57 | 1 0 03 |
| 15 0200 | 04 89 | 10 93 | | | | 00 37 | 1 0 03 |
| 15 0300 | 05 12 | 11 10 | | | | 00 32 | 1 0 03 |
| 15 0400 | 05 18 | 11 13 | | | | 00 41 | 1 0 03 |
| 15 0425 | 05 19 | 11 13 | | | | 00 37 | 1 0 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0011 | 58 33 | 0 | 19 16 | 63 01 | 18 | 12 | 1 6 3 9 |
| 0068 | -04 | | | 29 12 | | 046 | |

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|---------|-------|-------|--|--|--|-------|--------|
| 12 0000 | 02 55 | 07 14 | | | | | 1 0 03 |
| 12 0010 | 02 60 | 07 14 | | | | | 1 0 03 |
| 12 0015 | 02 57 | 07 15 | | | | | 1 0 03 |
| 12 0020 | 02 60 | 07 13 | | | | 08 88 | 1 0 03 |
| 12 0030 | 02 62 | 07 16 | | | | | 1 0 03 |
| 12 0050 | 03 20 | | | | | 07 61 | 0 03 |
| 12 0060 | 03 04 | 07 15 | | | | | 1 0 03 |
| 12 0065 | 02 69 | | | | | 08 94 | 0 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0012 | 57 07 | 0 | 17 40 | 63 01 | 21 | 17 | 7 8 9 9 |
| 0110 | -03 | | | 34 06 | | 065 | |

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|---------|-------|-------|--|--|--|-------|--------|
| 17 0000 | 01 98 | 07 16 | | | | 08 95 | 1 0 03 |
| 17 0005 | 02 08 | 07 17 | | | | | 1 0 03 |
| 17 0010 | 02 02 | 07 15 | | | | | 1 0 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sky | Ice |
|--------------|--------------|----------------------|------------------------------|---|---|------------------------------|---|---|--------------------------|-------|------------------------|-----------------|------------------|-----------------|-----------------|-----|
| | | | 0 | 1 | 2 | 3 | 4 | 5 | | | | | | | | |
| | | Depth to bottom m | Temperature °C Dry & Bulb | | | Temperature °C Wet & bulb | | | Wind Dir. Speed kn. | | Mixed layer depth m | | | | | |
| Obs. time | Obs. depth m | | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extr. inc. | Card code | |

77 11 0012

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|---------|-------|-------|--|--|--|--|--|--|-------|--|--|--------|
| 17 0015 | 01 99 | 07 15 | | | | | | | | | | 1 0 03 |
| 17 0020 | 02 01 | 07 16 | | | | | | | 09 03 | | | 1 0 03 |
| 17 0030 | 01 97 | 07 19 | | | | | | | | | | 1 0 03 |
| 17 0050 | 01 91 | 07 24 | | | | | | | 09 00 | | | 1 0 03 |
| 17 0070 | 02 84 | 07 78 | | | | | | | 07 13 | | | 1 0 03 |
| 17 0090 | 03 82 | 09 00 | | | | | | | | | | 1 0 03 |
| 17 0100 | 04 16 | 09 55 | | | | | | | 01 18 | | | 1 0 03 |

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|------------|-------|---------|-------|-------|---------|
| 77 11 0013 | 55 47 | 0 16 16 | 63 01 | 22 08 | 2 7 1 9 |
| 0065 | -02 | | 32 08 | 044 | |

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|---------|-------|-------|--|--|-------|--------|
| 08 0000 | 01 53 | 07 23 | | | 09 35 | 1 0 03 |
| 08 0005 | 01 46 | 07 26 | | | | 1 0 03 |
| 08 0010 | 01 49 | 07 27 | | | | 1 0 03 |
| 08 0015 | 01 51 | 07 27 | | | | 1 0 03 |
| 08 0020 | 01 51 | 07 27 | | | 09 07 | 1 0 03 |
| 08 0030 | 01 51 | 07 44 | | | | 1 0 03 |
| 08 0040 | 01 53 | 07 45 | | | 09 33 | 1 0 03 |
| 08 0050 | 02 63 | 07 84 | | | | 1 0 03 |
| 08 0063 | 06 54 | 15 14 | | | 00 16 | 1 0 03 |

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|------------|-------|---------|-------|-------|---------|
| 77 11 0014 | 55 37 | 0 16 33 | 63 01 | 22 11 | 1 6 1 9 |
| 0065 | -02 0 | | 32 12 | 046 | |

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|---------|-------|-------|--|--|-------|--------|
| 11 0000 | 01 09 | 07 28 | | | | 1 0 03 |
| 11 0005 | 01 21 | 07 27 | | | | 1 0 03 |
| 11 0010 | 01 16 | 07 26 | | | | 1 0 03 |
| 11 0015 | 01 13 | 07 27 | | | | 1 0 03 |
| 11 0020 | 01 11 | 07 28 | | | | 1 0 03 |
| 11 0030 | 01 05 | 07 28 | | | | 1 0 03 |
| 11 0040 | 01 02 | 07 29 | | | | 1 0 03 |
| 11 0050 | 01 12 | 07 29 | | | | 1 0 03 |
| 11 0060 | 06 45 | 15 27 | | | 00 08 | 1 0 03 |
| 11 0063 | 06 47 | 15 47 | | | 00 08 | 1 0 03 |

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|------------|-------|---------|-------|-------|---------|
| 77 11 0015 | 55 29 | 0 16 08 | 63 01 | 22 14 | 0 0 1 9 |
| 0080 | -02 0 | | 32 12 | 039 | |

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|---------|-------|-------|--|--|-------|--------|
| 14 0000 | 01 44 | 07 39 | | | | 1 0 03 |
| 14 0010 | 01 32 | 07 39 | | | | 1 0 03 |
| 14 0020 | 01 35 | 07 41 | | | | 1 0 03 |
| 14 0030 | 01 46 | 07 43 | | | | 1 0 03 |
| 14 0040 | 01 47 | 07 48 | | | 09 28 | 1 0 03 |
| 14 0050 | 02 40 | 07 81 | | | | 1 0 03 |
| 14 0060 | 02 82 | 07 96 | | | 08 87 | 1 0 03 |
| 14 0070 | 06 67 | 14 21 | | | | 1 0 03 |

| Country | Ship | Station number | Latitude | | Longitude | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|---------------------|------------------------------|-----------------|------------------------------|--------------------------|-------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | | | | | | | | | |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | Temperature °C Wet ↓ bulb | Wind Dir. Speed kn. | | Mixed layer depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C ↓ | | Salinity ‰ ↓ | σ_t ↓ | Oxygen ml/l ↓ | | Saturat. % ↓ | Salin. method | Extra info. | Card code | | |

77 11 0015

14 0080 06 38 15 34 00 45 1 0 03

77 11 0016 55 44 0 15 43 63 01 23 09 2 8 2 9
0053 -01 25 18 01509 0000 00 62 07 38 1 0 03
09 0010 00 61 07 38 1 0 03
09 0020 01 30 07 45 1 0 03
09 0030 01 76 07 71 1 0 03
09 0040 02 22 07 83 09 06 1 0 03
09 0050 03 24 08 09 08 73 1 0 03
09 0052 04 20 09 05 07 78 1 0 0377 11 0017 55 15 0 15 59 63 01 23 13 2 8 3 9
0092 00 27 20 01713 0000 01 38 07 72 1 0 03
13 0010 01 50 07 72 1 0 03
13 0020 01 60 07 77 1 0 03
13 0030 02 31 08 00 09 12 1 0 03
13 0040 02 40 08 04 09 08 1 0 03
13 0050 02 37 08 07 09 08 1 0 03
13 0060 02 65 08 13 1 0 03
13 0070 07 16 11 58 04 16 1 0 03
13 0080 06 60 13 63 03 22 1 0 03
13 0090 06 47 15 50 00 30 1 0 0377 11 0018 54 51 0 15 17 63 01 23 17 2 8 4 9
0070 01 28 24 05617 0000 02 45 08 09 1 0 03
17 0010 02 45 08 10 1 0 03
17 0020 02 44 08 07 1 0 03
17 0030 02 42 08 07 1 0 03
17 0040 02 57 08 11 1 0 03
17 0050 02 61 08 13 1 0 03
17 0060 02 67 08 14 1 0 03
17 0067 06 77 11 46 03 19 1 0 0377 11 0019 55 00 0 14 05 63 01 25 06 1 1 0 9
0049 -01 09 08 00006 0000 00 23 08 12 1 0 03
06 0010 00 47 08 23 1 0 03
06 0020 00 68 08 40 1 0 03

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|------------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |
| | | ↓ | | | ↓ | | | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | |

77 11 0019

| | | | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|--|--|----|----|---|---|----|--|--|
| 06 | 0030 | 00 | 47 | | 08 | 58 | | | | | | 1 | 0 | 03 | | |
| 06 | 0040 | 00 | 50 | | 08 | 77 | | | | | | 1 | 0 | 03 | | |
| 06 | 0045 | 01 | 92 | | 12 | 88 | | | | | | 1 | 0 | 03 | | |
| 06 | 0048 | 02 | 85 | | 15 | 44 | | | | 06 | 50 | 1 | 0 | 03 | | |

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|----|----|------|-----|----|---|----|----|----|----|----|----|-----|---|---|---|--|
| 77 | 11 | 0020 | 54 | 54 | 0 | 13 | 30 | 63 | 01 | 25 | 11 | 0 | 0 | 0 | 9 | |
| | | 0048 | -01 | | | | | 09 | 06 | | | 029 | | | | |

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|----|------|----|----|--|----|----|--|--|--|----|----|---|---|----|--|--|
| 11 | 0000 | 00 | 83 | | 08 | 39 | | | | | | 1 | 0 | 03 | | |
| 11 | 0010 | 00 | 73 | | 08 | 40 | | | | | | 1 | 0 | 03 | | |
| 11 | 0020 | 00 | 75 | | 08 | 44 | | | | | | 1 | 0 | 03 | | |
| 11 | 0030 | 00 | 57 | | 08 | 52 | | | | | | 1 | 0 | 03 | | |
| 11 | 0040 | 00 | 68 | | 10 | 41 | | | | | | 1 | 0 | 03 | | |
| 11 | 0045 | 00 | 07 | | 14 | 52 | | | | | | 1 | 0 | 03 | | |
| 11 | 0047 | 00 | 16 | | 17 | 23 | | | | 08 | 58 | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|----|-----|---|---|---|--|
| 77 | 11 | 0021 | 55 | 13 | 0 | 13 | 39 | 63 | 01 | 25 | 15 | 0 | 0 | 0 | 9 | |
| | | 0044 | 01 | | | | | 11 | 04 | | | 017 | | | | |

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|----|------|-----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 15 | 0000 | 00 | 13 | | 07 | 76 | | | | | | 1 | 0 | 03 | | |
| 15 | 0010 | -00 | 01 | | 07 | 74 | | | | | | 1 | 0 | 03 | | |
| 15 | 0020 | 00 | 63 | | 08 | 22 | | | | | | 1 | 0 | 03 | | |
| 15 | 0030 | 00 | 79 | | 08 | 43 | | | | | | 1 | 0 | 03 | | |
| 15 | 0040 | 00 | 73 | | 08 | 61 | | | | | | 1 | 0 | 03 | | |
| 15 | 0044 | 04 | 17 | | 14 | 85 | | | | | | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|----|-----|---|---|---|--|
| 77 | 11 | 0022 | 55 | 18 | 0 | 14 | 24 | 63 | 01 | 28 | 08 | 2 | 8 | 0 | 9 | |
| | | 0048 | 00 | 5 | | | | 05 | 12 | | | 015 | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 08 | 0000 | 00 | 68 | | 08 | 11 | | | | | | 1 | 0 | 03 | | |
| 08 | 0010 | 00 | 73 | | 08 | 11 | | | | | | 1 | 0 | 03 | | |
| 08 | 0020 | 00 | 83 | | 08 | 14 | | | | | | 1 | 0 | 03 | | |
| 08 | 0030 | 00 | 83 | | 08 | 14 | | | | | | 1 | 0 | 03 | | |
| 08 | 0040 | | | | 08 | 37 | | | | | | 1 | 0 | 03 | | |
| 08 | 0045 | 01 | 07 | | 09 | 58 | | | | | | 1 | 0 | 03 | | |
| 08 | 0047 | 02 | 21 | | 16 | 67 | | | | | | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|----|-----|---|---|---|--|
| 77 | 11 | 0023 | 55 | 28 | 0 | 14 | 39 | 63 | 01 | 28 | 17 | 2 | 8 | 1 | 9 | |
| | | 0070 | 00 | | | | | 05 | 14 | | | 013 | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 17 | 0000 | 01 | 38 | | 07 | 91 | | | | | | 1 | 0 | 03 | | |
| 17 | 0010 | 01 | 29 | | 07 | 91 | | | | | | 1 | 0 | 03 | | |
| 17 | 0020 | 01 | 39 | | 07 | 95 | | | | | | 1 | 0 | 03 | | |
| 17 | 0030 | 01 | 38 | | 07 | 98 | | | | | | 1 | 0 | 03 | | |
| 17 | 0040 | 01 | 29 | | 08 | 15 | | | | | | 1 | 0 | 03 | | |

| Country | Ship | Station number | Latitude | | Longitude | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------------------------|--|------------------------------|--------------------------|-------|---------------------|--------------|---------------|--------------|--------------|-----|
| | | | 0:N+E 1:N+W 2:S+E 3:S+W | | | | | | | | | | |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | Temperature °C Wet ↓ bulb | Wind Dir. Speed kn. | | Mixed layer depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | |

77 11 0023

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|---------|-------|--|-------|--|--|--|-------|--|--|--------|--|--|--|
| 17 0050 | 00 37 | | 08 71 | | | | | | | 1 0 03 | | | |
| 17 0060 | 01 18 | | 10 53 | | | | | | | 1 0 03 | | | |
| 17 0068 | 01 95 | | 13 01 | | | | 07 49 | | | 1 0 03 | | | |

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|------------|-------|---|-------|--|-------|--|-------|-----|--|---------|--|--|--|
| 77 11 0042 | 58 04 | 0 | 09 47 | | 63 04 | | 17 12 | | | 1 3 1 9 | | | |
| 0360 | 04 | | | | 05 10 | | | 000 | | | | | |

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|---------|-------|--|-------|--|--|--|--|--|--|--------|--|--|--|
| 12 0000 | 03 54 | | 22 91 | | | | | | | 1 0 03 | | | |
| 12 0050 | 06 98 | | 35 06 | | | | | | | 1 0 03 | | | |
| 12 0100 | 06 06 | | 35 05 | | | | | | | 1 0 03 | | | |
| 12 0200 | 06 41 | | 35 17 | | | | | | | 1 0 03 | | | |
| 12 0300 | 04 27 | | 34 99 | | | | | | | 1 0 03 | | | |
| 12 0350 | 04 16 | | 35 00 | | | | | | | 1 0 03 | | | |

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|------------|-------|---|-------|--|-------|--|-------|-----|--|---------|--|--|--|
| 77 11 0043 | 58 04 | 0 | 09 50 | | 63 04 | | 18 09 | | | 2 8 1 9 | | | |
| 0250 | 05 | | | | 08 14 | | | 000 | | | | | |

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|---------|-------|--|-------|--|--|--|--|--|--|--------|--|--|--|
| 09 0000 | 04 10 | | 28 31 | | | | | | | 1 0 03 | | | |
| 09 0005 | 03 44 | | 32 58 | | | | | | | 1 0 03 | | | |
| 09 0010 | 04 26 | | 33 98 | | | | | | | 1 0 03 | | | |
| 09 0020 | 02 80 | | 34 11 | | | | | | | 1 0 03 | | | |
| 09 0030 | 03 80 | | 34 47 | | | | | | | 1 0 03 | | | |
| 09 0050 | 05 05 | | 34 78 | | | | | | | 1 0 03 | | | |
| 09 0070 | 04 95 | | 34 86 | | | | | | | 1 0 03 | | | |
| 09 0100 | 04 16 | | 34 80 | | | | | | | 1 0 03 | | | |
| 09 0150 | 04 53 | | 34 93 | | | | | | | 1 0 03 | | | |
| 09 0200 | 04 23 | | 34 93 | | | | | | | 1 0 03 | | | |
| 09 0240 | 04 29 | | 34 98 | | | | | | | 1 0 03 | | | |

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|------------|-------|---|-------|--|-------|--|-------|-----|--|---------|--|--|--|
| 77 11 0044 | 58 06 | 0 | 09 44 | | 63 04 | | 19 09 | | | 4 9 0 9 | | | |
| 0400 | 04 | | | | 23 04 | | | 000 | | | | | |

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|---------|-------|--|-------|--|--|--|--|--|--|--------|--|--|--|
| 09 0000 | 03 40 | | 22 54 | | | | | | | 1 0 03 | | | |
| 09 0050 | 06 89 | | 34 94 | | | | | | | 1 0 03 | | | |
| 09 0100 | 06 87 | | 34 89 | | | | | | | 1 0 03 | | | |
| 09 0150 | 06 67 | | 35 17 | | | | | | | 1 0 03 | | | |
| 09 0200 | 06 49 | | 35 12 | | | | | | | 1 0 03 | | | |
| 09 0250 | 06 21 | | 35 11 | | | | | | | 1 0 03 | | | |
| 09 0300 | 05 95 | | 35 11 | | | | | | | 1 0 03 | | | |
| 09 0350 | 05 00 | | 34 99 | | | | | | | 1 0 03 | | | |
| 09 0390 | 04 60 | | 35 06 | | | | | | | 1 0 03 | | | |

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|------------|-------|---|-------|--|-------|--|-------|-----|--|---------|--|--|--|
| 77 11 0045 | 58 28 | 0 | 11 05 | | 63 04 | | 22 07 | | | 2 8 1 9 | | | |
| 0058 | 04 | | | | 09 12 | | | 000 | | | | | |

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|---------|-------|--|-------|--|--|--|--|--|--|--------|--|--|--|
| 07 0000 | 04 64 | | 19 67 | | | | | | | 1 0 03 | | | |
|---------|-------|--|-------|--|--|--|--|--|--|--------|--|--|--|

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|---|------------|----------------|---|------------|---------|-----------|---------------------|--------------|-------------|--------------|--------------|-----|
| | | | 0 | 1 | 2 | 3 | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salt. method | Extra info. | Code | | |
| | | | | | | | | | | | | | | | | |

77 11 0045

| | | | |
|---------|-------|-------|--------|
| 07 0005 | 03 74 | 22 18 | 1 0 03 |
| 07 0010 | 02 79 | 29 88 | 1 0 03 |
| 07 0015 | 04 25 | 33 34 | 1 0 03 |
| 07 0020 | 02 97 | 34 03 | 1 0 03 |
| 07 0030 | 03 09 | 34 19 | 1 0 03 |
| 07 0040 | 03 58 | 34 34 | 1 0 03 |
| 07 0050 | 03 68 | 34 44 | 1 0 03 |
| 07 0055 | 03 87 | 34 52 | 1 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 11 0046 | 58 27 | 0 | 11 05 | 63 04 | 23 06 | 2 8 1 9 |
| 0058 | 05 | | | 05 08 | 000 | |

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|---------|-------|-------|--------|
| 06 0000 | 04 44 | 21 64 | 1 0 03 |
| 06 0005 | 04 23 | 21 64 | 1 0 03 |
| 06 0010 | 03 34 | 29 72 | 1 0 03 |
| 06 0015 | 03 12 | 33 83 | 1 0 03 |
| 06 0020 | 02 91 | 34 01 | 1 0 03 |
| 06 0030 | 03 09 | 34 19 | 1 0 03 |
| 06 0040 | 03 37 | 34 21 | 1 0 03 |
| 06 0050 | 03 53 | 34 32 | 1 0 03 |
| 06 0055 | 03 61 | 34 34 | 1 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 11 0050 | 57 36 | 0 | 11 31 | 63 04 | 29 10 | 2 8 1 9 |
| 0080 | 06 | | | 23 12 | | |

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|---------|-------|-------|--------|
| 10 0000 | 06 01 | 20 29 | 1 0 03 |
| 10 0005 | 04 57 | 21 87 | 1 0 03 |
| 10 0010 | 03 83 | 24 24 | 1 0 03 |
| 10 0015 | 03 72 | 31 84 | 1 0 03 |
| 10 0020 | 02 94 | 33 36 | 1 0 03 |
| 10 0030 | 03 08 | 33 99 | 1 0 03 |
| 10 0040 | 03 81 | 34 48 | 1 0 03 |
| 10 0050 | 04 34 | 34 66 | 1 0 03 |
| 10 0070 | 04 18 | 34 79 | 1 0 03 |
| 10 0080 | 04 20 | 34 77 | 1 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 11 0051 | 57 53 | 0 | 11 25 | 63 05 | 15 12 | 1 1 1 9 |
| 0053 | 12 | | | 32 10 | 005 | |

| | | | |
|---------|-------|-------|--------|
| 12 0000 | 09 40 | 19 93 | 1 0 03 |
| 12 0005 | 08 84 | 20 78 | 1 0 03 |
| 12 0010 | 07 81 | 22 87 | 1 0 03 |
| 12 0015 | 06 20 | 31 81 | 1 0 03 |
| 12 0020 | 06 06 | 32 67 | 1 0 03 |
| 12 0030 | 05 96 | 33 02 | 1 0 03 |
| 12 0040 | 05 40 | 33 58 | 1 0 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|--------------|--------------|----------------------|----------------|-------|------------|----------------|---|------------|------------|-----------|-------------|------------------|----------------|-----------------|-----------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
| | | | ↓ | | | ↓ | | | ↓ | ↓ | ↓ | | | | | |

77 11 0051

12 0050 04 39 34 21 1 0 03

77 11 0052 57 52 0 11 18 63 05 15 16 1 1 1 9
0095 14 32 06 000

16 0000 10 08 21 35 1 0 03

16 0005 09 29 21 91 1 0 03

16 0010 07 72 26 64 1 0 03

16 0015 07 48 31 58 1 0 03

16 0020 06 81 32 64 1 0 03

16 0030 06 12 33 66 1 0 03

16 0040 05 50 33 94 1 0 03

16 0050 05 22 34 19 1 0 03

16 0060 05 33 34 37 1 0 03

16 0070 04 95 34 47 1 0 03

16 0080 04 68 34 64 1 0 03

16 0090 04 64 34 70 1 0 03

77 11 0053 57 50 0 11 04 63 05 15 17 1 1 1 9
0049 15 32 06 000

17 0000 10 98 20 74 1 0 03

17 0005 07 45 32 12 1 0 03

17 0010 06 88 32 75 1 0 03

17 0015 06 63 32 84 1 0 03

17 0020 05 85 32 91 1 0 03

17 0030 06 08 33 36 1 0 03

17 0040 05 24 33 59 1 0 03

17 0045 04 64 34 02 1 0 03

77 11 0054 57 56 0 10 48 63 05 15 21 1 1 1 9
0165 09 29 08 000

21 0000 08 52 23 75 1 0 03

21 0005 06 71 0 03

21 0010 03 81 31 31 1 0 03

21 0015 04 76 33 71 1 0 03

21 0020 03 65 33 99 1 0 03

21 0030 04 00 34 68 1 0 03

21 0040 05 19 34 79 1 0 03

21 0050 05 62 34 97 1 0 03

21 0060 05 88 35 00 1 0 03

21 0070 05 88 34 99 1 0 03

21 0080 05 58 0 03

21 0090 04 97 0 03

21 0100 04 69 34 92 1 0 03

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|-----------|------------------|------------|---------------|-------------|-----------|---------------------|---------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | | Wind | | | | Mixed layer depth m | | | | |
| | | | Dry ↓ | bulb | Wet ↓ | | Dir. Speed kn. | | | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | | | | |
| | | ↓ | | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | |

77 11 0054

21 0125 05 02 34 97 1 0 03
 21 0150 04 59 34 97 1 0 03

77 11 0055 57 48 0 10 52 63 05 15 23 4 9 1 9
 0055 06 27 10 000

23 0000 10 02 21 77 1 0 03
 23 0005 05 58 31 35 1 0 03
 23 0010 06 30 32 88 1 0 03
 23 0015 06 26 32 97 1 0 03
 23 0020 06 03 33 27 1 0 03
 23 0030 05 81 33 79 1 0 03
 23 0040 05 48 34 29 1 0 03
 23 0050 05 40 34 32 1 0 03

77 11 0056 57 50 0 10 41 63 05 16 02 2 8 9 9
 0106 04 27 12 000

02 0000 07 95 26 47 1 0 03
 02 0005 07 17 31 63 1 0 03
 02 0010 06 50 33 42 1 0 03
 02 0015 06 27 33 80 1 0 03
 02 0020 06 10 34 12 1 0 03
 02 0030 05 34 34 50 1 0 03
 02 0040 05 40 34 68 1 0 03
 02 0050 04 97 34 77 1 0 03
 02 0060 04 94 34 77 1 0 03
 02 0070 04 62 34 73 Q 1 0 03
 02 0080 04 63 34 72 1 0 03
 02 0090 04 56 34 75 1 0 03
 02 0100 04 60 34 77 1 0 03

77 11 0057 57 54 0 10 30 63 05 16 03 4 9 1 9
 0130 04 27 16 000

04 0000 07 97 23 86 1 0 03
 04 0005 05 51 25 62 1 0 03
 04 0010 05 64 32 77 1 0 03
 04 0015 06 27 33 19 1 0 03
 04 0020 06 50 34 16 1 0 03
 04 0030 05 82 34 81 1 0 03
 04 0040 05 28 34 84 1 0 03
 03 0050 05 06 34 78 1 0 03
 03 0060 04 95 34 84 1 0 03
 03 0070 04 79 34 90 1 0 03
 03 0080 04 79 34 88 1 0 03

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|-----------|--------|------------|---------------|-------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | Wind | | | | Mixed layer depth m | | | | | |
| | | | Dry ↓ | bulb | Wet ↓ | bulb | Dir. | Speed kn. | | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | | | | |
| | | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | |

77 11 0060

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 11 | 0040 | 05 | 56 | | 34 | 36 | | | | | | 1 | 0 | 03 | | |
| 11 | 0050 | 05 | 45 | | 34 | 42 | | | | | | 1 | 0 | 03 | | |
| 11 | 0060 | 05 | 48 | | 34 | 49 | | | | | | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0061 | 57 | 49 | 0 | 10 | 16 | 63 | 05 | 16 | 12 | 4 | 9 | 3 | 9 | |
| | | 0076 | 07 | | | | | 23 | 16 | | 006 | | | | | |

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|----|------|----|----|--|----|----|---|--|--|--|--|---|---|----|--|--|
| 12 | 0000 | 07 | 78 | | 31 | 88 | | | | | | 1 | 0 | 03 | | |
| 12 | 0005 | 07 | 70 | | 31 | 85 | | | | | | 1 | 0 | 03 | | |
| 12 | 0010 | 06 | 26 | | 33 | 90 | | | | | | 1 | 0 | 03 | | |
| 12 | 0015 | 05 | 32 | | 34 | 72 | Q | | | | | 1 | 0 | 03 | | |
| 12 | 0020 | 05 | 23 | | 34 | 61 | | | | | | 1 | 0 | 03 | | |
| 12 | 0030 | 05 | 24 | | 34 | 62 | | | | | | 1 | 0 | 03 | | |
| 12 | 0040 | 05 | 11 | | 34 | 69 | | | | | | 1 | 0 | 03 | | |
| 12 | 0050 | 05 | 20 | | 34 | 76 | | | | | | 1 | 0 | 03 | | |
| 12 | 0060 | 05 | 16 | | 34 | 76 | | | | | | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0062 | 57 | 42 | 0 | 10 | 08 | 63 | 05 | 16 | 13 | 4 | 9 | 3 | 9 | |
| | | 0017 | 06 | | | | | 23 | 16 | | 017 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|----|----|--|--|
| 13 | 0000 | 06 | 60 | | 33 | 05 | | | | | | 1 | 0 | 03 | | |
| 13 | 0005 | 06 | 58 | | | | | | | | | 0 | 03 | | | |
| 13 | 0015 | 06 | 61 | | | | | | | | | 0 | 03 | | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0063 | 57 | 45 | 0 | 10 | 09 | 63 | 05 | 16 | 15 | 4 | 9 | 3 | 9 | |
| | | 0075 | 07 | | | | | 27 | 14 | | 010 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|----|----|--|--|
| 15 | 0000 | 07 | 42 | | 32 | 75 | | | | | | 1 | 0 | 03 | | |
| 15 | 0005 | 07 | 35 | | 32 | 91 | | | | | | 1 | 0 | 03 | | |
| 15 | 0010 | 07 | 30 | | 33 | 50 | | | | | | 1 | 0 | 03 | | |
| 15 | 0015 | 05 | 27 | | 34 | 67 | | | | | | 1 | 0 | 03 | | |
| 15 | 0020 | 05 | 17 | | | | | | | | | 0 | 03 | | | |
| 15 | 0030 | 05 | 19 | | 34 | 71 | | | | | | 1 | 0 | 03 | | |
| 15 | 0040 | 05 | 43 | | 34 | 73 | | | | | | 1 | 0 | 03 | | |
| 15 | 0050 | 05 | 35 | | 34 | 76 | | | | | | 1 | 0 | 03 | | |
| 15 | 0060 | 05 | 25 | | 34 | 76 | | | | | | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0064 | 57 | 52 | 0 | 09 | 55 | 63 | 05 | 16 | 16 | 1 | 4 | 2 | 9 | |
| | | 0057 | 07 | | | | | 27 | 14 | | 004 | | | | | |

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|----|------|----|----|--|----|----|---|--|--|--|--|---|---|----|--|--|
| 16 | 0000 | 06 | 65 | | 31 | 99 | | | | | | 1 | 0 | 03 | | |
| 16 | 0005 | 06 | 71 | | 32 | 61 | Q | | | | | 1 | 0 | 03 | | |
| 16 | 0010 | 05 | 69 | | 34 | 92 | Q | | | | | 1 | 0 | 03 | | |
| 16 | 0015 | 05 | 39 | | 34 | 82 | | | | | | 1 | 0 | 03 | | |
| 16 | 0020 | 05 | 39 | | 34 | 85 | | | | | | 1 | 0 | 03 | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|------|--------|------------|---------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 0-N+E | 1-N+W | 2-S+E | 3-S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | -Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | | | |
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77 11 0064

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| 16 0030 | 05 38 | | 34 82 | | | | | | | 1 0 03 | | | | | |
| 16 0040 | 05 35 | | 34 80 | | | | | | | 1 0 03 | | | | | |
| 16 0050 | 05 53 | | 34 82 | | | | | | | 1 0 03 | | | | | |

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|------------|-------|---|-------|-------|----|-----|---------|--|--|--|--|--|--|--|
| 77 11 0065 | 57 59 | 0 | 09 46 | 63 05 | 16 | 19 | 2 8 3 9 | | | | | | | |
| 0130 | 07 | | | 25 16 | | 006 | | | | | | | | |

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|---------|-------|--|-------|--|--|--|--------|--|--|--|--|--|
| 19 0000 | 08 58 | | 25 23 | | | | 1 0 03 | | | | | |
| 19 0005 | 08 09 | | 27 66 | | | | 1 0 03 | | | | | |
| 19 0010 | 05 83 | | 34 79 | | | | 1 0 03 | | | | | |
| 19 0015 | 05 60 | | | | | | 0 03 | | | | | |
| 19 0020 | 05 58 | | 34 82 | | | | 1 0 03 | | | | | |
| 19 0030 | 05 54 | | 34 76 | | | | 1 0 03 | | | | | |
| 19 0040 | 05 33 | | 34 82 | | | | 1 0 03 | | | | | |
| 19 0050 | 05 26 | | 34 84 | | | | 1 0 03 | | | | | |
| 19 0060 | 05 22 | | 34 84 | | | | 1 0 03 | | | | | |
| 19 0070 | 04 87 | | 34 85 | | | | 1 0 03 | | | | | |
| 19 0080 | 04 86 | | 34 84 | | | | 1 0 03 | | | | | |
| 19 0090 | 04 81 | | 34 87 | | | | 1 0 03 | | | | | |
| 19 0100 | 04 76 | | 34 87 | | | | 1 0 03 | | | | | |
| 19 0125 | 04 59 | | 34 90 | | | | 1 0 03 | | | | | |

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|------------|-------|---|-------|-------|----|-----|---------|--|--|--|--|--|--|--|
| 77 11 0066 | 58 06 | 0 | 09 37 | 63 05 | 16 | 21 | 1 4 3 9 | | | | | | | |
| 0485 | 06 | | | 25 16 | | 012 | | | | | | | | |

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|---------|-------|--|-------|--|--|--|--------|--|--|--|--|--|
| 21 0000 | 07 86 | | 24 36 | | | | 1 0 03 | | | | | |
| 21 0005 | 07 84 | | 24 32 | | | | 1 0 03 | | | | | |
| 21 0010 | 07 63 | | 24 43 | | | | 1 0 03 | | | | | |
| 21 0015 | 04 14 | | 32 54 | | | | 1 0 03 | | | | | |
| 21 0020 | 03 99 | | 33 10 | | | | 1 0 03 | | | | | |
| 21 0030 | 05 09 | | 33 85 | | | | 1 0 03 | | | | | |
| 21 0040 | 05 14 | | 34 11 | | | | 1 0 03 | | | | | |
| 21 0050 | 06 35 | | 34 55 | | | | 1 0 03 | | | | | |
| 21 0060 | 06 43 | | 34 78 | | | | 1 0 03 | | | | | |
| 21 0070 | 06 39 | | 34 80 | | | | 1 0 03 | | | | | |
| 21 0080 | 05 89 | | 34 82 | | | | 1 0 03 | | | | | |
| 21 0090 | 06 34 | | 34 98 | | | | 1 0 03 | | | | | |
| 21 0100 | 06 73 | | 35 05 | | | | 1 0 03 | | | | | |
| 21 0150 | 06 52 | | 35 14 | | | | 1 0 03 | | | | | |
| 21 0200 | 06 17 | | 35 14 | | | | 1 0 03 | | | | | |
| 21 0300 | 05 96 | | 35 07 | | | | 1 0 03 | | | | | |
| 21 0450 | 04 00 | | 35 00 | | | | 1 0 03 | | | | | |

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|------------|-------|---|-------|-------|----|-----|---------|--|--|--|--|--|--|--|
| 77 11 0067 | 57 56 | 0 | 10 08 | 63 05 | 17 | 02 | 2 8 2 9 | | | | | | | |
| 0072 | 06 | | | 20 12 | | 000 | | | | | | | | |

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|---------|-------|--|-------|--|--|--|--------|--|--|--|--|--|
| 02 0000 | 08 12 | | 26 48 | | | | 1 0 03 | | | | | |
|---------|-------|--|-------|--|--|--|--------|--|--|--|--|--|

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|-----------|--------|------------|---------------|---------------------|-----------|--------------|---------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | | |
| | | | Dry ↓ bulb | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | | | | |
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77 11 0067

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|
| 02 | 0005 | 06 | 25 | | 34 | 62 | | | | | | 1 | 0 | 03 |
| 02 | 0010 | 05 | 66 | | 34 | 78 | | | | | | 1 | 0 | 03 |
| 02 | 0015 | 05 | 40 | | | | | | | | | | 0 | 03 |
| 02 | 0020 | 05 | 29 | | 34 | 75 | | | | | | 1 | 0 | 03 |
| 02 | 0030 | 05 | 30 | | 34 | 80 | | | | | | 1 | 0 | 03 |
| 02 | 0040 | 05 | 23 | | 34 | 82 | | | | | | 1 | 0 | 03 |
| 02 | 0050 | 05 | 18 | | 34 | 82 | | | | | | 1 | 0 | 03 |
| 02 | 0060 | 05 | 12 | | 34 | 85 | | | | | | 1 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0068 | 57 | 59 | 0 | 10 | 19 | 63 | 05 | 17 | 03 | 2 | 7 | 2 | 9 |
| | | 0090 | 06 | | | | | 20 | 10 | | 000 | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|
| 04 | 0000 | 08 | 05 | | 26 | 68 | | | | | | 1 | 0 | 03 |
| 04 | 0005 | 06 | 81 | | 32 | 87 | | | | | | 1 | 0 | 03 |
| 04 | 0010 | 05 | 69 | | 34 | 67 | | | | | | 1 | 0 | 03 |
| 04 | 0015 | 05 | 71 | | 34 | 92 | | | | | | 1 | 0 | 03 |
| 04 | 0020 | 05 | 22 | | 34 | 99 | | | | | | 1 | 0 | 03 |
| 04 | 0030 | 05 | 86 | | 35 | 07 | | | | | | 1 | 0 | 03 |
| 04 | 0040 | 05 | 88 | | 35 | 21 | | | | | | 1 | 0 | 03 |
| 03 | 0050 | 04 | 64 | | 35 | 01 | | | | | | 1 | 0 | 03 |
| 03 | 0060 | 04 | 49 | | 34 | 98 | | | | | | 1 | 0 | 03 |
| 03 | 0070 | 04 | 38 | | 34 | 93 | | | | | | 1 | 0 | 03 |
| 03 | 0080 | 04 | 73 | | 34 | 93 | | | | | | 1 | 0 | 03 |
| 03 | 0085 | 04 | 52 | | 34 | 94 | | | | | | 1 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0069 | 58 | 07 | 0 | 10 | 12 | 63 | 05 | 17 | 05 | 2 | 8 | 2 | 9 |
| | | 0140 | 07 | 5 | | | | 20 | 18 | | 006 | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|
| 06 | 0000 | 07 | 88 | | 24 | 48 | | | | | | 1 | 0 | 03 |
| 06 | 0005 | 07 | 80 | | 24 | 59 | | | | | | 1 | 0 | 03 |
| 06 | 0010 | 05 | 79 | | 34 | 07 | | | | | | 1 | 0 | 03 |
| 06 | 0015 | 04 | 99 | | 34 | 20 | | | | | | 1 | 0 | 03 |
| 06 | 0020 | 05 | 51 | | 34 | 80 | | | | | | 1 | 0 | 03 |
| 06 | 0030 | 05 | 73 | | 34 | 99 | | | | | | 1 | 0 | 03 |
| 06 | 0040 | 05 | 77 | | 35 | 09 | | | | | | 1 | 0 | 03 |
| 05 | 0050 | 05 | 78 | | 35 | 09 | | | | | | 1 | 0 | 03 |
| 05 | 0060 | 05 | 36 | | 35 | 09 | | | | | | 1 | 0 | 03 |
| 05 | 0070 | 04 | 60 | | 34 | 99 | | | | | | 1 | 0 | 03 |
| 05 | 0080 | 04 | 44 | | 34 | 97 | | | | | | 1 | 0 | 03 |
| 05 | 0090 | 04 | 34 | | 34 | 95 | | | | | | 1 | 0 | 03 |
| 05 | 0100 | 04 | 27 | | 34 | 94 | | | | | | 1 | 0 | 03 |
| 05 | 0125 | 04 | 32 | | 34 | 97 | | | | | | 1 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0070 | 58 | 15 | 0 | 10 | 04 | 63 | 05 | 17 | 08 | 6 | 8 | 3 | 9 |
| | | 0415 | 07 | | | | | 20 | 20 | | 000 | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|
| 08 | 0000 | 08 | 45 | | 24 | 67 | | | | | | 1 | 0 | 03 |
|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
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77 11 0072

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 14 | 0070 | 05 | 29 | | 34 | 99 | | | | | | 1 | 0 | 03 | | |
| 14 | 0080 | 05 | 10 | | 35 | 03 | | | | | | 1 | 0 | 03 | | |
| 14 | 0090 | 05 | 28 | | 35 | 03 | | | | | | 1 | 0 | 03 | | |
| 14 | 0100 | 05 | 13 | | 35 | 04 | | | | | | 1 | 0 | 03 | | |
| 14 | 0125 | 04 | 93 | | 35 | 01 | | | | | | 1 | 0 | 03 | | |
| 14 | 0150 | 04 | 77 | | 35 | 06 | | | | | | 1 | 0 | 03 | | |
| 14 | 0175 | 04 | 59 | | 35 | 02 | | | | | | 1 | 0 | 03 | | |
| 14 | 0190 | 04 | 65 | | 35 | 02 | | | | | | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0073 | 58 | 11 | 0 | 10 | 35 | 63 | 05 | 17 | 16 | 1 | 2 | 3 | 9 | |
| | | 0240 | 08 | | | | | 25 | 22 | | 010 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 16 | 0000 | 08 | 37 | | 24 | 03 | | | | | | 1 | 0 | 03 | | |
| 16 | 0005 | 08 | 32 | | 24 | 06 | | | | | | 1 | 0 | 03 | | |
| 16 | 0010 | 05 | 14 | | 29 | 99 | | | | | | 1 | 0 | 03 | | |
| 16 | 0015 | 04 | 15 | | 33 | 04 | | | | | | 1 | 0 | 03 | | |
| 16 | 0020 | 03 | 66 | | 33 | 90 | | | | | | 1 | 0 | 03 | | |
| 16 | 0030 | 03 | 71 | | 34 | 34 | | | | | | 1 | 0 | 03 | | |
| 16 | 0040 | 03 | 86 | | 34 | 68 | | | | | | 1 | 0 | 03 | | |
| 16 | 0050 | 05 | 58 | | 34 | 87 | | | | | | 1 | 0 | 03 | | |
| 16 | 0060 | 05 | 63 | | 34 | 94 | | | | | | 1 | 0 | 03 | | |
| 16 | 0070 | 05 | 25 | | 35 | 04 | | | | | | 1 | 0 | 03 | | |
| 16 | 0080 | 05 | 01 | | 35 | 07 | | | | | | 1 | 0 | 03 | | |
| 16 | 0090 | 04 | 84 | | 35 | 05 | | | | | | 1 | 0 | 03 | | |
| 16 | 0100 | 04 | 76 | | 35 | 04 | | | | | | 1 | 0 | 03 | | |
| 16 | 0150 | 04 | 44 | | 35 | 02 | | | | | | 1 | 0 | 03 | | |
| 16 | 0200 | 04 | 32 | | 35 | 06 | | | | | | 1 | 0 | 03 | | |
| 16 | 0225 | 04 | 42 | | 35 | 06 | | | | | | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0074 | 58 | 19 | 0 | 10 | 28 | 63 | 05 | 17 | 17 | 1 | 1 | 4 | 9 | |
| | | 0330 | 08 | | | | | 23 | 16 | | 008 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 18 | 0000 | 08 | 75 | | 24 | 70 | | | | | | 1 | 0 | 03 | | |
| 18 | 0005 | 08 | 70 | | 24 | 63 | | | | | | 1 | 0 | 03 | | |
| 18 | 0010 | 03 | 74 | | 32 | 42 | | | | | | 1 | 0 | 03 | | |
| 18 | 0015 | 04 | 30 | | 33 | 70 | | | | | | 1 | 0 | 03 | | |
| 18 | 0020 | 04 | 21 | | 34 | 01 | | | | | | 1 | 0 | 03 | | |
| 18 | 0030 | 05 | 81 | | 34 | 73 | | | | | | 1 | 0 | 03 | | |
| 18 | 0040 | 06 | 08 | | 34 | 85 | | | | | | 1 | 0 | 03 | | |
| 18 | 0050 | 06 | 55 | | 35 | 03 | | | | | | 1 | 0 | 03 | | |
| 17 | 0060 | 06 | 66 | | 35 | 16 | | | | | | 1 | 0 | 03 | | |
| 17 | 0070 | 06 | 43 | | 35 | 09 | | | | | | 1 | 0 | 03 | | |
| 17 | 0080 | 06 | 65 | | 35 | 13 | | | | | | 1 | 0 | 03 | | |
| 17 | 0090 | 06 | 56 | | 35 | 12 | | | | | | 1 | 0 | 03 | | |
| 17 | 0100 | 06 | 25 | | 35 | 09 | | | | | | 1 | 0 | 03 | | |
| 17 | 0150 | 05 | 62 | | 35 | 08 | | | | | | 1 | 0 | 03 | | |
| 17 | 0200 | 04 | 90 | | 35 | 04 | | | | | | 1 | 0 | 03 | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|-------|------------|------------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0:E+W | 1:W+W | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
| | | ↓ | | | ↓ | | | ↓ | ↓ | ↓ | ↓ | | | | | |

77 11 0074

17 0250 04 43 35 03 1 0 03
 17 0300 04 22 35 03 1 0 03

77 11 0075 58 20 0 10 40 63 05 17 19 1 1 3 9
 0210 08 23 14 000

20 0000 08 60 24 89 1 0 03
 20 0005 08 44 24 97 1 0 03
 20 0010 03 87 31 98 1 0 03
 20 0015 04 19 33 47 1 0 03
 20 0020 04 41 0 03
 20 0030 04 67 33 58 1 0 03
 20 0040 05 78 34 69 1 0 03
 19 0050 05 86 35 04 1 0 03
 19 0060 05 74 35 11 1 0 03
 19 0070 05 20 35 06 1 0 03
 19 0080 04 84 34 97 1 0 03
 19 0090 05 13 35 00 1 0 03
 19 0100 04 58 34 94 1 0 03
 19 0150 04 19 34 94 1 0 03
 19 0200 04 41 34 97 1 0 03

77 11 0076 58 24 0 11 04 63 05 20 05 0 0 4 9
 0060 07 27 12 006

05 0000 07 95 27 05 1 0 03
 05 0005 07 97 27 50 1 0 03
 05 0010 06 94 32 12 1 0 03
 05 0015 06 29 32 84 1 0 03
 05 0020 06 23 33 20 1 0 03
 05 0030 05 93 33 58 1 0 03
 05 0040 05 59 34 02 1 0 03
 05 0050 05 50 34 06 1 0 03

77 11 0077 58 22 0 10 53 63 05 20 06 0 0 4 9
 0130 07 5 27 14 008

07 0000 08 22 25 13 1 0 03
 07 0005 08 15 25 12 1 0 03
 07 0010 06 91 31 59 1 0 03
 07 0015 06 39 34 02 1 0 03
 07 0020 05 94 34 69 1 0 03
 07 0030 05 37 34 83 1 0 03
 07 0040 05 16 34 87 1 0 03
 06 0050 05 26 34 85 1 0 03
 06 0060 05 06 34 85 1 0 03

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|-------|------------|---------|-----------|-------------|---------------|-------------|--------------|--------------|-----|
| | | | 0-N+E | 1-N+W | 2-S+E | 3-S+W | 0-N+E | 1-N+W | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |
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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 06 | 0070 | 05 | 01 | | 34 | 91 | | | | | | 1 | 0 | 03 | | |
| 06 | 0080 | 05 | 00 | | 34 | 91 | | | | | | 1 | 0 | 03 | | |
| 06 | 0090 | 04 | 90 | | 34 | 85 | | | | | | 1 | 0 | 03 | | |
| 06 | 0100 | 05 | 15 | | 34 | 97 | | | | | | 1 | 0 | 03 | | |
| 06 | 0120 | 04 | 78 | | 34 | 98 | | | | | | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0078 | 58 | 09 | 0 | 11 | 14 | 63 | 05 | 20 | 12 | 1 | 2 | 4 | 9 | |
| | | 0055 | 11 | | | | | 25 | 20 | | 000 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 12 | 0000 | 08 | 84 | | 21 | 69 | | | | | | 1 | 0 | 03 | | |
| 12 | 0005 | 07 | 56 | | 28 | 61 | | | | | | 1 | 0 | 03 | | |
| 12 | 0010 | 06 | 99 | | 31 | 38 | | | | | | 1 | 0 | 03 | | |
| 12 | 0015 | 06 | 66 | | 32 | 64 | | | | | | 1 | 0 | 03 | | |
| 12 | 0020 | 06 | 04 | | 33 | 69 | | | | | | 1 | 0 | 03 | | |
| 12 | 0030 | 05 | 79 | | 34 | 28 | | | | | | 1 | 0 | 03 | | |
| 12 | 0040 | 05 | 64 | | 34 | 30 | | | | | | 1 | 0 | 03 | | |
| 12 | 0050 | 05 | 34 | | 34 | 31 | | | | | | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0079 | 58 | 07 | 0 | 11 | 04 | 63 | 05 | 20 | 13 | 1 | 2 | 5 | 9 | |
| | | 0135 | 11 | | | | | 25 | 28 | | 006 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 14 | 0000 | 08 | 34 | | 26 | 19 | | | | | | 3 | 0 | 03 | | |
| 14 | 0005 | 08 | 13 | | 26 | 82 | | | | | | 3 | 0 | 03 | | |
| 14 | 0010 | 07 | 22 | | 32 | 01 | | | | | | 3 | 0 | 03 | | |
| 14 | 0015 | 06 | 32 | | 34 | 39 | | | | | | 3 | 0 | 03 | | |
| 14 | 0020 | 06 | 12 | | 34 | 91 | | | | | | 3 | 0 | 03 | | |
| 14 | 0030 | 05 | 45 | | 34 | 80 | | | | | | 1 | 0 | 03 | | |
| 14 | 0040 | 05 | 38 | | 34 | 83 | | | | | | 1 | 0 | 03 | | |
| 14 | 0050 | 05 | 40 | | 34 | 82 | | | | | | 1 | 0 | 03 | | |
| 13 | 0060 | 05 | 37 | | 34 | 87 | | | | | | 1 | 0 | 03 | | |
| 13 | 0070 | 05 | 24 | | 34 | 89 | | | | | | 1 | 0 | 03 | | |
| 13 | 0080 | 05 | 29 | | 34 | 87 | | | | | | 1 | 0 | 03 | | |
| 13 | 0090 | 05 | 29 | | 34 | 87 | | | | | | 1 | 0 | 03 | | |
| 13 | 0100 | 05 | 16 | | 34 | 92 | | | | | | 1 | 0 | 03 | | |
| 13 | 0125 | 04 | 93 | | 34 | 92 | | | | | | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0080 | 58 | 05 | 0 | 10 | 52 | 63 | 05 | 20 | 15 | 1 | 2 | 5 | 9 | |
| | | 0185 | 11 | | | | | 24 | 28 | | 010 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 16 | 0000 | 08 | 61 | | 25 | 54 | | | | | | 3 | 0 | 03 | | |
| 16 | 0005 | 08 | 49 | | 25 | 81 | | | | | | 3 | 0 | 03 | | |
| 16 | 0010 | 06 | 95 | | 28 | 45 | | | | | | 3 | 0 | 03 | | |
| 16 | 0015 | 05 | 97 | | 34 | 53 | | | | | | 3 | 0 | 03 | | |
| 16 | 0020 | 05 | 60 | | 34 | 92 | | | | | | 3 | 0 | 03 | | |
| 16 | 0030 | 05 | 98 | | 35 | 10 | | | | | | 1 | 0 | 03 | | |
| 16 | 0040 | 06 | 42 | | 35 | 13 | | | | | | 1 | 0 | 03 | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |
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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 16 | 0050 | 05 | 77 | | 35 | 09 | | | | | | 1 | 0 | 03 | | |
| 15 | 0060 | 05 | 51 | | 35 | 10 | | | | | | 1 | 0 | 03 | | |
| 15 | 0070 | 05 | 37 | | 34 | 98 | | | | | | 1 | 0 | 03 | | |
| 15 | 0080 | 05 | 17 | | 35 | 04 | | | | | | 1 | 0 | 03 | | |
| 15 | 0090 | 04 | 90 | | 35 | 03 | | | | | | 1 | 0 | 03 | | |
| 15 | 0100 | 04 | 57 | | 35 | 00 | | | | | | 1 | 0 | 03 | | |
| 15 | 0125 | 04 | 16 | | 34 | 94 | | | | | | 1 | 0 | 03 | | |
| 15 | 0150 | 04 | 24 | | 34 | 97 | | | | | | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|----|---|-----|---|---|--|
| 77 | 11 | 0081 | 58 | 14 | 0 | 11 | 35 | 63 | 05 | 20 | 19 | 1 | 4 | 9 | 9 | |
| | | 0040 | 08 | | | | | 25 | 12 | | | | 000 | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 19 | 0000 | 09 | 41 | | 19 | 60 | | | | | | 3 | 0 | 03 | | |
| 19 | 0005 | 09 | 37 | | 19 | 64 | | | | | | 3 | 0 | 03 | | |
| 19 | 0010 | 03 | 31 | | 25 | 52 | | | | | | 3 | 0 | 03 | | |
| 19 | 0015 | 05 | 63 | | 29 | 25 | | | | | | 3 | 0 | 03 | | |
| 19 | 0020 | 05 | 95 | | | | | | | | | | 0 | 03 | | |
| 19 | 0030 | 05 | 85 | | 29 | 53 | | | | | | 1 | 0 | 03 | | |
| 19 | 0035 | 05 | 90 | | 29 | 53 | | | | | | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|----|---|-----|---|---|--|
| 77 | 11 | 0082 | 58 | 15 | 0 | 11 | 38 | 63 | 05 | 20 | 20 | 1 | 4 | 9 | 9 | |
| | | 0060 | 08 | | | | | 25 | 12 | | | | 006 | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 20 | 0000 | 09 | 59 | | 19 | 26 | | | | | | 3 | 0 | 03 | | |
| 20 | 0005 | 09 | 58 | | 19 | 23 | | | | | | 3 | 0 | 03 | | |
| 20 | 0010 | 06 | 10 | | 20 | 82 | | | | | | 3 | 0 | 03 | | |
| 20 | 0015 | 05 | 10 | | 28 | 69 | | | | | | 3 | 0 | 03 | | |
| 20 | 0020 | 05 | 81 | | | | | | | | | | 0 | 03 | | |
| 20 | 0030 | 05 | 79 | | 29 | 50 | | | | | | 1 | 0 | 03 | | |
| 20 | 0055 | 05 | 93 | | 29 | 53 | | | | | | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|----|---|-----|---|---|--|
| 77 | 11 | 0083 | 58 | 17 | 0 | 11 | 41 | 63 | 05 | 21 | 04 | 1 | 4 | 0 | 9 | |
| | | 0060 | 08 | | | | | 14 | 12 | | | | 007 | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 04 | 0000 | 09 | 65 | | 18 | 91 | | | | | | 3 | 0 | 03 | | |
| 04 | 0005 | 09 | 60 | | 18 | 85 | | | | | | 3 | 0 | 03 | | |
| 04 | 0010 | 03 | 35 | | 22 | 36 | | | | | | 3 | 0 | 03 | | |
| 04 | 0015 | 04 | 95 | | 28 | 99 | | | | | | 3 | 0 | 03 | | |
| 04 | 0020 | 05 | 76 | | 29 | 38 | | | | | | 3 | 0 | 03 | | |
| 04 | 0030 | 05 | 66 | | | | | | | | | | 0 | 03 | | |
| 04 | 0040 | 05 | 71 | | | | | | | | | | 0 | 03 | | |
| 04 | 0050 | 05 | 49 | | 29 | 53 | | | | | | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|----|---|-----|---|---|--|
| 77 | 11 | 0084 | 58 | 19 | 0 | 11 | 48 | 63 | 05 | 21 | 05 | 2 | 7 | 1 | 9 | |
| | | 0035 | 08 | | | | | 14 | 12 | | | | 009 | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |
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| 05 | 0000 | 09 | 94 | | 18 | 79 | | | | | | 3 | 0 | 03 |
| 05 | 0005 | 09 | 84 | | 18 | 78 | | | | | | 3 | 0 | 03 |
| 05 | 0010 | 07 | 08 | | 19 | 67 | | | | | | 3 | 0 | 03 |
| 05 | 0015 | 03 | 00 | | 27 | 48 | | | | | | 3 | 0 | 03 |
| 05 | 0020 | 04 | 46 | | 32 | 02 | | | | | | 3 | 0 | 03 |
| 05 | 0030 | 06 | 30 | | 33 | 33 | | | | | | 1 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0085 | 58 | 16 | 0 | 11 | 49 | 63 | 05 | 21 | 06 | 2 | 8 | 1 | 9 |
| | | 0026 | 08 | | | | | 14 | 14 | | 007 | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|
| 06 | 0000 | 09 | 30 | | 19 | 07 | | | | | | 3 | 0 | 03 |
| 06 | 0005 | 09 | 33 | | 19 | 05 | | | | | | 3 | 0 | 03 |
| 06 | 0010 | 08 | 09 | | 19 | 72 | | | | | | 3 | 0 | 03 |
| 06 | 0015 | 02 | 91 | | 26 | 04 | | | | | | 3 | 0 | 03 |
| 06 | 0020 | 03 | 94 | | 30 | 55 | | | | | | 3 | 0 | 03 |
| 06 | 0024 | 04 | 48 | | 31 | 88 | | | | | | 1 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0086 | 58 | 11 | 0 | 11 | 51 | 63 | 05 | 21 | 07 | 2 | 8 | 1 | 9 |
| | | 0024 | 11 | | | | | 14 | 24 | | 009 | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|
| 07 | 0000 | 08 | 75 | | 19 | 83 | | | | | | 3 | 0 | 03 |
| 07 | 0005 | 08 | 83 | | 20 | 23 | | | | | | 3 | 0 | 03 |
| 07 | 0010 | 08 | 04 | | 20 | 37 | | | | | | 3 | 0 | 03 |
| 07 | 0015 | 03 | 76 | | 24 | 92 | | | | | | 3 | 0 | 03 |
| 07 | 0020 | 04 | 11 | | 30 | 83 | | | | | | 3 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0087 | 58 | 07 | 0 | 11 | 50 | 63 | 05 | 21 | 08 | 2 | 7 | 1 | 9 |
| | | 0020 | 11 | | | | | 17 | 26 | | 010 | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|
| 08 | 0000 | 09 | 44 | | 19 | 43 | | | | | | 3 | 0 | 03 |
| 08 | 0005 | 09 | 37 | | 19 | 57 | | | | | | 3 | 0 | 03 |
| 08 | 0010 | 07 | 05 | | 23 | 75 | | | | | | 3 | 0 | 03 |
| 08 | 0015 | 04 | 13 | | 31 | 09 | | | | | | 3 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0088 | 58 | 04 | 0 | 11 | 47 | 63 | 05 | 21 | 09 | 2 | 8 | 2 | 9 |
| | | 0017 | 12 | | | | | 17 | 30 | | 010 | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|
| 09 | 0000 | 09 | 75 | | 19 | 17 | | | | | | 3 | 0 | 03 |
| 09 | 0005 | 09 | 76 | | 19 | 14 | | | | | | 3 | 0 | 03 |
| 09 | 0010 | 09 | 27 | | 19 | 48 | | | | | | 3 | 0 | 03 |
| 09 | 0013 | 04 | 13 | | 30 | 60 | | | | | | 3 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0089 | 57 | 59 | 0 | 11 | 46 | 63 | 05 | 21 | 10 | 2 | 8 | 2 | 9 |
| | | 0025 | 13 | | | | | 17 | 33 | | 010 | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|-----------|--------|------------|---------------|-------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | Wind | | | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | Wet ↓ bulb | | Dir. | Speed kn. | | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | | | | |
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| 10 0000 | 09 76 | 19 0 | Q | | | | | | | | 4 0 03 | | | | |
| 10 0005 | 09 82 | 19 08 | | | | | | | | | 1 0 03 | | | | |
| 10 0010 | 09 00 | 19 72 | | | | | | | | | 1 0 03 | | | | |
| 10 0015 | 04 06 | 32 34 | | | | | | | | | 1 0 03 | | | | |
| 10 0020 | 03 78 | 33 57 | | | | | | | | | 1 0 03 | | | | |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0090 | 57 55 | 0 | 11 36 | 63 05 | 21 | 11 | 2 8 2 9 |
| 0060 | 13 | | | 17 32 | | 014 | |

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|---------|-------|-------|--|--|--|--|--------|
| 11 0000 | 09 81 | 20 40 | | | | | 1 0 03 |
| 11 0005 | 09 32 | 20 36 | | | | | 1 0 03 |
| 11 0010 | 09 32 | 20 36 | | | | | 1 0 03 |
| 11 0015 | 09 12 | 20 41 | | | | | 1 0 03 |
| 11 0020 | 04 83 | 32 52 | | | | | 1 0 03 |
| 11 0030 | 04 33 | 33 32 | | | | | 1 0 03 |
| 11 0040 | 04 11 | 33 42 | | | | | 1 0 03 |
| 11 0050 | 04 09 | 33 48 | | | | | 1 0 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0091 | 57 54 | 0 | 11 32 | 63 05 | 21 | 11 | 2 8 2 9 |
| 0030 | 13 | | | 16 32 | | 009 | |

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|---------|-------|-------|--|--|--|--|--------|
| 11 0000 | 09 19 | 20 71 | | | | | 1 0 03 |
| 11 0005 | 09 24 | 20 74 | | | | | 1 0 03 |
| 11 0010 | 09 14 | 21 15 | | | | | 1 0 03 |
| 11 0015 | 08 95 | 22 17 | | | | | 1 0 03 |
| 11 0025 | 04 86 | 33 10 | | | | | 1 0 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0092 | 58 24 | 0 | 11 25 | 63 05 | 21 | 16 | 2 8 2 9 |
| 0025 | 10 | | | 18 30 | | 011 | |

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|---------|-------|-------|--|--|--|--|--------|
| 16 0000 | 09 58 | 21 81 | | | | | 1 0 03 |
| 16 0005 | 09 57 | 21 79 | | | | | 1 0 03 |
| 16 0010 | 09 52 | 21 86 | | | | | 1 0 03 |
| 16 0015 | 07 90 | 25 22 | | | | | 1 0 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0093 | 58 22 | 0 | 11 26 | 63 05 | 21 | 16 | 6 8 1 9 |
| 0025 | 10 | | | 18 32 | | 017 | |

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|---------|-------|-------|--|--|--|--|--------|
| 16 0000 | 09 50 | 22 03 | | | | | 1 0 03 |
| 16 0005 | 09 55 | 22 13 | | | | | 1 0 03 |
| 16 0010 | 09 51 | 22 17 | | | | | 1 0 03 |
| 16 0015 | 09 28 | 22 35 | | | | | 1 0 03 |
| 16 0020 | 07 74 | 25 76 | | | | | 1 0 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0094 | 58 16 | 0 | 11 26 | 63 05 | 21 | 17 | 6 8 1 9 |
| 0037 | 10 | | | 18 24 | | 014 | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|---|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0 | 1 | 2 | 3 | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
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| 17 0000 | 08 75 | 23 37 | 1 0 03 |
| 17 0005 | 08 87 | 23 33 | 1 0 03 |
| 17 0010 | 08 62 | 23 36 | 1 0 03 |
| 17 0015 | 08 30 | 26 12 | 1 0 03 |
| 17 0020 | 06 28 | 29 13 | 1 0 03 |
| 17 0030 | 05 04 | 33 40 | 1 0 03 |
| 17 0035 | 05 10 | 33 77 | 1 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 11 0095 | 58 25 | 0 | 11 40 | 63 05 | 21 18 | 7 8 0 9 |
| 0035 | 09 | | | 18 12 | 000 | |

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|---------|-------|-------|--------|
| 18 0000 | 08 68 | 01 65 | 1 0 03 |
| 18 0005 | 08 91 | 19 46 | 1 0 03 |
| 18 0010 | 07 40 | 22 24 | 1 0 03 |
| 18 0015 | 04 44 | 30 25 | 1 0 03 |
| 18 0020 | 04 25 | 32 55 | 1 0 03 |
| 18 0030 | 04 92 | 33 44 | 1 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 11 0096 | 58 24 | 0 | 11 38 | 63 05 | 21 19 | 6 8 0 9 |
| 0075 | 09 | | | 18 12 | 010 | |

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|---------|-------|-------|--------|
| 19 0000 | 09 29 | 18 61 | 1 0 03 |
| 19 0005 | 09 21 | 19 82 | 1 0 03 |
| 19 0010 | 08 82 | 20 69 | 1 0 03 |
| 19 0015 | 04 57 | 29 81 | 1 0 03 |
| 19 0020 | 04 23 | 32 39 | 1 0 03 |
| 19 0030 | 04 45 | 33 19 | 1 0 03 |
| 19 0040 | 04 67 | 33 42 | 1 0 03 |
| 19 0050 | 04 89 | 33 65 | 1 0 03 |
| 19 0060 | 05 67 | 33 70 | 1 0 03 |
| 19 0070 | 06 21 | 34 73 | 1 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 11 0097 | 58 19 | 0 | 11 33 | 63 05 | 21 20 | 6 8 0 9 |
| 0120 | 08 5 | | | 18 12 | 008 | |

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|---------|-------|-------|--------|
| 20 0000 | 08 95 | 21 91 | 1 0 03 |
| 20 0005 | 08 71 | 21 92 | 1 0 03 |
| 20 0010 | 08 21 | 22 79 | 1 0 03 |
| 20 0015 | 05 27 | 30 22 | 1 0 03 |
| 20 0020 | 04 57 | 32 26 | 1 0 03 |
| 20 0030 | 04 73 | 33 31 | 1 0 03 |
| 20 0040 | 04 88 | 33 78 | 1 0 03 |
| 20 0050 | 06 18 | 34 54 | 1 0 03 |
| 20 0060 | 06 33 | 34 87 | 1 0 03 |
| 20 0070 | 06 09 | 34 72 | 1 0 03 |
| 20 0080 | 05 92 | 34 70 | 1 0 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-------------------|---------------------|--------------|-----------|--------------|--------------|-----|
| | | | 1.N+W | 2.S+E | 3.S+W | 1 | 2 | 3 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | mi / l | Oxygen Saturat. ‰ | Salin. method | Extra info. | Card code | | | |

77 11 0097

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 20 | 0090 | 05 | 89 | | 34 | 72 | | | | | | 1 | 0 | 03 | | |
| 20 | 0100 | 05 | 76 | | 34 | 72 | | | | | | 1 | 0 | 03 | | |
| 20 | 0110 | 05 | 65 | | 34 | 90 | | | | | | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0098 | 57 | 35 | 0 | 11 | 15 | 63 | 05 | 27 | 14 | 1 | 6 | 1 | 9 | |
| | | 0050 | 17 | | | | | 36 | 06 | | 000 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 14 | 0000 | 12 | 17 | | 20 | 42 | | | | | | 4 | 0 | 03 | | |
| 14 | 0005 | 09 | 44 | | 21 | 64 | | | | | | 4 | 0 | 03 | | |
| 14 | 0010 | 07 | 11 | | 28 | 09 | | | | | | 4 | 0 | 03 | | |
| 14 | 0015 | 07 | 78 | | 29 | 96 | | | | | | 4 | 0 | 03 | | |
| 14 | 0020 | 07 | 87 | | 31 | 53 | | | | | | 3 | 0 | 03 | | |
| 14 | 0030 | 06 | 41 | | 32 | 97 | | | | | | 3 | 0 | 03 | | |
| 14 | 0040 | 06 | 16 | | 33 | 26 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0099 | 57 | 37 | 0 | 11 | 08 | 63 | 05 | 27 | 15 | 1 | 6 | 1 | 9 | |
| | | 0037 | 17 | | | | | 36 | 06 | | 000 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 15 | 0000 | 13 | 78 | | 20 | 20 | | | | | | 4 | 0 | 03 | | |
| 15 | 0005 | 11 | 36 | | 20 | 65 | | | | | | 4 | 0 | 03 | | |
| 15 | 0010 | 07 | 31 | | 27 | 52 | | | | | | 4 | 0 | 03 | | |
| 15 | 0015 | 07 | 94 | | 30 | 18 | | | | | | 4 | 0 | 03 | | |
| 15 | 0020 | 07 | 85 | | 31 | 32 | | | | | | 3 | 0 | 03 | | |
| 15 | 0030 | 06 | 73 | | 32 | 95 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0100 | 57 | 40 | 0 | 11 | 03 | 63 | 05 | 27 | 16 | 6 | 6 | 1 | 9 | |
| | | 0033 | 15 | | | | | 36 | 08 | | 005 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 16 | 0000 | 12 | 43 | | 20 | 11 | | | | | | 4 | 0 | 03 | | |
| 16 | 0005 | 11 | 26 | | 20 | 69 | | | | | | 4 | 0 | 03 | | |
| 16 | 0010 | 07 | 49 | | 26 | 89 | | | | | | 4 | 0 | 03 | | |
| 16 | 0015 | 08 | 00 | | 30 | 34 | | | | | | 4 | 0 | 03 | | |
| 16 | 0020 | 07 | 09 | | 31 | 63 | | | | | | 3 | 0 | 03 | | |
| 16 | 0030 | 06 | 76 | | 32 | 93 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0101 | 57 | 42 | 0 | 10 | 55 | 63 | 05 | 27 | 17 | 6 | 6 | 1 | 9 | |
| | | 0030 | 15 | | | | | 36 | 08 | | 000 | | | | | |

| | | | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 17 | 0000 | 13 | 16 | | 19 | 84 | | | | | | 4 | 0 | 03 | | |
| 17 | 0005 | 11 | 50 | | 19 | 99 | | | | | | 4 | 0 | 03 | | |
| 17 | 0010 | 08 | 78 | | 25 | 01 | | | | | | 4 | 0 | 03 | | |
| 17 | 0015 | 06 | 94 | | 30 | 11 | | | | | | 4 | 0 | 03 | | |
| 17 | 0020 | 06 | 60 | | 32 | 38 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0102 | 57 | 44 | 0 | 10 | 50 | 63 | 05 | 27 | 17 | 6 | 8 | 1 | 9 | |
| | | 0033 | 14 | | | | | 09 | 06 | | 000 | | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|------|--------|------------|---------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | | | |

77 11 0105

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|---------|-------|--|--|-------|--|--|--|--|--|--------|
| 22 0010 | 07 22 | | | 33 05 | | | | | | 4 0 03 |
| 22 0015 | 05 96 | | | 34 30 | | | | | | 4 0 03 |
| 22 0020 | 05 59 | | | 34 41 | | | | | | 3 0 03 |
| 22 0030 | 05 81 | | | 34 58 | | | | | | 3 0 03 |
| 22 0040 | 05 79 | | | 34 61 | | | | | | 3 0 03 |
| 22 0050 | 05 70 | | | 34 68 | | | | | | 3 0 03 |
| 22 0060 | 05 91 | | | 34 75 | | | | | | 3 0 03 |
| 22 0070 | 05 84 | | | 34 86 | | | | | | 3 0 03 |
| 22 0080 | 05 87 | | | 34 87 | | | | | | 3 0 03 |
| 22 0090 | 05 68 | | | 34 89 | | | | | | 3 0 03 |
| 22 0100 | 05 63 | | | 34 92 | | | | | | 3 0 03 |

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|------------|-------|---|--|-------|--|-------|--|-------|--|---------|
| 77 11 0106 | 57 59 | 0 | | 10 19 | | 63 05 | | 27 23 | | 2 7 1 9 |
| 0090 | 12 | | | | | 36 04 | | 000 | | |

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|---------|-------|--|--|-------|--|--|--|--|--|--------|
| 23 0000 | 11 19 | | | 25 41 | | | | | | 4 0 03 |
| 23 0005 | 08 76 | | | 26 46 | | | | | | 4 0 03 |
| 23 0010 | 05 10 | | | 31 22 | | | | | | 4 0 03 |
| 23 0015 | 04 55 | | | 33 79 | | | | | | 4 0 03 |
| 23 0020 | 06 21 | | | 34 65 | | | | | | 3 0 03 |
| 23 0030 | 06 03 | | | 34 83 | | | | | | 3 0 03 |
| 23 0040 | 06 12 | | | 34 94 | | | | | | 3 0 03 |
| 23 0050 | 05 61 | | | 35 00 | | | | | | 3 0 03 |
| 23 0060 | 05 05 | | | 34 99 | | | | | | 3 0 03 |
| 23 0070 | 05 00 | | | 35 02 | | | | | | 3 0 03 |
| 23 0080 | 04 91 | | | 35 03 | | | | | | 3 0 03 |

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|------------|-------|---|--|-------|--|-------|--|-------|--|---------|
| 77 11 0107 | 58 03 | 0 | | 10 15 | | 63 05 | | 28 00 | | 1 6 1 9 |
| 0102 | 12 | | | | | 00 00 | | 000 | | |

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|---------|-------|--|--|-------|--|--|--|--|--|--------|
| 00 0000 | 11 23 | | | 25 79 | | | | | | 4 0 03 |
| 00 0005 | 09 07 | | | 27 61 | | | | | | 4 0 03 |
| 00 0010 | 07 90 | | | 32 09 | | | | | | 4 0 03 |
| 00 0015 | 07 38 | | | 34 00 | | | | | | 4 0 03 |
| 00 0020 | 06 52 | | | 34 80 | | | | | | 3 0 03 |
| 00 0030 | 06 15 | | | 34 85 | | | | | | 3 0 03 |
| 00 0040 | 06 50 | | | 35 01 | | | | | | 3 0 03 |
| 00 0050 | 06 28 | | | 35 11 | | | | | | 3 0 03 |
| 00 0060 | 05 38 | | | 35 00 | | | | | | 3 0 03 |
| 00 0070 | 05 25 | | | 35 03 | | | | | | 3 0 03 |
| 00 0080 | 04 98 | | | 35 04 | | | | | | 3 0 03 |
| 00 0090 | 05 00 | | | 35 05 | | | | | | 3 0 03 |

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|------------|-------|---|--|-------|--|-------|--|-------|--|---------|
| 77 11 0108 | 58 07 | 0 | | 10 12 | | 63 05 | | 28 01 | | 2 8 1 9 |
| 0135 | 12 | | | | | 01 08 | | 000 | | |

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|---------|-------|--|--|-------|--|--|--|--|--|--------|
| 02 0000 | 11 29 | | | 25 98 | | | | | | 4 0 03 |
|---------|-------|--|--|-------|--|--|--|--|--|--------|

| Country | Ship | Station number | Latitude | | Longitude | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|--------------|--------------|----------------------|----------------------------------|-----------------|------------------------------|-----------|--------------------------|-----------------|------------------------|-----------------|--------------|-----------------|-----------------|-----|
| | | | 0:N+E 1:N+W 2:S+E 3:S+W | | | | | | | | | | | |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | Temperature °C Wet ↓ bulb | | Wind Dir. Speed kn. | | Mixed layer depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C ↓ | | Salinity ‰ ↓ | σ_t ↓ | ml/l ↓ | Oxygen ↓ | Saturat. % ↓ | Salin. method | Extra info. | Card code | | | |

77 11 0108

| | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|
| 02 | 0005 | 08 | 99 | | 27 | 34 | | | | | | 4 | 0 | 03 |
| 02 | 0010 | 07 | 25 | | 32 | 23 | | | | | | 4 | 0 | 03 |
| 02 | 0015 | 06 | 99 | | 33 | 41 | | | | | | 4 | 0 | 03 |
| 02 | 0020 | 07 | 16 | | 34 | 60 | | | | | | 3 | 0 | 03 |
| 02 | 0030 | 06 | 83 | | 35 | 07 | | | | | | 3 | 0 | 03 |
| 01 | 0040 | 06 | 23 | | 35 | 05 | | | | | | 3 | 0 | 03 |
| 01 | 0050 | 05 | 64 | | 34 | 99 | | | | | | 3 | 0 | 03 |
| 01 | 0060 | 05 | 33 | | 35 | 01 | | | | | | 3 | 0 | 03 |
| 01 | 0070 | 05 | 23 | | 35 | 00 | | | | | | 3 | 0 | 03 |
| 01 | 0080 | 05 | 60 | | 35 | 08 | | | | | | 3 | 0 | 03 |
| 01 | 0090 | 05 | 05 | | 35 | 01 | | | | | | 3 | 0 | 03 |
| 01 | 0100 | 04 | 92 | | 35 | 02 | | | | | | 3 | 0 | 03 |
| 01 | 0125 | 04 | 52 | | 35 | 08 | | | | | | 3 | 0 | 03 |

77 11 0109 58 09 0 10 07 63 05 28 03 1 4 1 9
0255 12 07 04 000

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|
| 03 | 0000 | 10 | 40 | | 25 | 36 | | | | | | 4 | 0 | 03 |
| 03 | 0005 | 08 | 90 | | 25 | 84 | | | | | | 4 | 0 | 03 |
| 03 | 0010 | 08 | 22 | | 26 | 44 | | | | | | 4 | 0 | 03 |
| 03 | 0015 | 04 | 84 | | 32 | 73 | | | | | | 4 | 0 | 03 |
| 03 | 0020 | 04 | 53 | | 33 | 58 | | | | | | 3 | 0 | 03 |
| 03 | 0030 | 05 | 17 | | 34 | 38 | | | | | | 3 | 0 | 03 |
| 03 | 0040 | 05 | 68 | | 34 | 76 | | | | | | 3 | 0 | 03 |
| 03 | 0050 | 06 | 13 | | 34 | 94 | | | | | | 3 | 0 | 03 |
| 03 | 0060 | 06 | 06 | | 34 | 96 | | | | | | 3 | 0 | 03 |
| 03 | 0070 | 06 | 35 | | 35 | 07 | | | | | | 3 | 0 | 03 |
| 03 | 0080 | 06 | 43 | | 35 | 10 | | | | | | 3 | 0 | 03 |
| 03 | 0090 | 05 | 57 | | 35 | 03 | | | | | | 3 | 0 | 03 |
| 03 | 0100 | 05 | 23 | | 34 | 97 | | | | | | 3 | 0 | 03 |
| 03 | 0125 | 05 | 27 | | 35 | 10 | | | | | | 3 | 0 | 03 |
| 03 | 0150 | 05 | 07 | | 35 | 10 | | | | | | 3 | 0 | 03 |
| 03 | 0175 | 04 | 80 | | 35 | 07 | | | | | | 3 | 0 | 03 |
| 03 | 0200 | 04 | 83 | | 35 | 09 | | | | | | 3 | 0 | 03 |
| 03 | 0240 | 04 | 90 | | 35 | 09 | | | | | | 3 | 0 | 03 |

77 11 0110 58 12 0 10 07 63 05 28 04 1 4 1 9
0335 13 07 04 000

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|
| 04 | 0000 | 10 | 36 | | 25 | 30 | | | | | | 4 | 0 | 03 |
| 04 | 0005 | 09 | 17 | | 25 | 32 | | | | | | 4 | 0 | 03 |
| 04 | 0010 | 08 | 07 | | 27 | 32 | | | | | | 4 | 0 | 03 |
| 04 | 0015 | 05 | 46 | | 31 | 28 | | | | | | 4 | 0 | 03 |
| 04 | 0020 | 04 | 10 | | 32 | 93 | | | | | | 3 | 0 | 03 |
| 04 | 0030 | 04 | 71 | | 34 | 09 | | | | | | 3 | 0 | 03 |
| 04 | 0040 | 05 | 07 | | 34 | 44 | | | | | | 3 | 0 | 03 |
| 04 | 0050 | 04 | 50 | | 34 | 59 | | | | | | 3 | 0 | 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|-----------|--------|------------|---------------|-------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 0-N+E | 1-N+W | 2-S+E | 3-S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | Wind | | | | Mixed layer depth m | | | | | |
| | | | Dry ↓ | bulb | Wet ↓ | bulb | Dir. | Speed kn. | | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | | | | |
| | | ↓ | | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | |

77 11 0110

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|
| 04 | 0060 | 05 | 21 | | 34 | 67 | | | | | | 3 | 0 | 03 |
| 04 | 0070 | 05 | 64 | | 34 | 84 | | | | | | 3 | 0 | 03 |
| 07 | 0080 | 06 | 31 | | 35 | 01 | | | | | | 3 | 0 | 03 |
| 07 | 0090 | 06 | 55 | | 35 | 11 | | | | | | 3 | 0 | 03 |
| 07 | 0100 | 06 | 37 | | 35 | 11 | | | | | | 3 | 0 | 03 |
| 04 | 0110 | 06 | 30 | | 35 | 07 | | | | | | 3 | 0 | 03 |
| 04 | 0120 | 05 | 95 | | 35 | 08 | | | | | | 3 | 0 | 03 |
| 04 | 0130 | 05 | 74 | | 35 | 05 | | | | | | 3 | 0 | 03 |
| 04 | 0155 | 05 | 07 | | 35 | 01 | | | | | | 3 | 0 | 03 |
| 04 | 0180 | 05 | 03 | | 35 | 04 | | | | | | 3 | 0 | 03 |
| 04 | 0205 | 04 | 85 | | 35 | 03 | | | | | | 3 | 0 | 03 |
| 04 | 0230 | 05 | 15 | | 35 | 11 | | | | | | 3 | 0 | 03 |
| 04 | 0280 | 04 | 30 | | 35 | 02 | | | | | | 3 | 0 | 03 |
| 04 | 0330 | 04 | 93 | | 35 | 13 | | | | | | 3 | 0 | 03 |

77 11 0111

| | | | | | | | | | | | | | | | |
|----|------|----|----|---|----|----|----|----|----|-----|--|---|---|----|---|
| | 0410 | 58 | 15 | 0 | 10 | 04 | 63 | 05 | 28 | 05 | | 1 | 4 | 1 | 9 |
| | | 13 | | | | | 05 | 06 | | 005 | | | | | |
| 06 | 0000 | 10 | 45 | | 25 | 03 | | | | | | 4 | 0 | 03 | |
| 06 | 0005 | 10 | 37 | | 25 | 03 | | | | | | 4 | 0 | 03 | |
| 06 | 0010 | 05 | 49 | | 27 | 44 | | | | | | 4 | 0 | 03 | |
| 06 | 0015 | 02 | 81 | | | | | | | | | | 0 | 03 | |
| 06 | 0020 | 03 | 96 | | 31 | 09 | | | | | | 3 | 0 | 03 | |
| 06 | 0030 | 04 | 86 | | 33 | 76 | | | | | | 3 | 0 | 03 | |
| 06 | 0040 | 05 | 45 | | 34 | 18 | | | | | | 3 | 0 | 03 | |
| 06 | 0050 | 06 | 02 | | 34 | 47 | | | | | | 3 | 0 | 03 | |
| 06 | 0060 | 06 | 61 | | 34 | 66 | | | | | | 3 | 0 | 03 | |
| 06 | 0070 | 06 | 82 | | 34 | 75 | | | | | | 3 | 0 | 03 | |
| 05 | 0080 | 06 | 57 | | 34 | 83 | | | | | | 3 | 0 | 03 | |
| 05 | 0090 | 06 | 90 | | 34 | 88 | | | | | | 3 | 0 | 03 | |
| 05 | 0100 | 06 | 79 | | 34 | 97 | | | | | | 3 | 0 | 03 | |
| 05 | 0125 | 06 | 39 | | 34 | 99 | | | | | | 3 | 0 | 03 | |
| 05 | 0150 | 06 | 01 | | 35 | 02 | | | | | | 3 | 0 | 03 | |
| 05 | 0200 | 05 | 19 | | 35 | 04 | | | | | | 3 | 0 | 03 | |
| 05 | 0250 | 04 | 70 | | 35 | 02 | | | | | | 3 | 0 | 03 | |
| 05 | 0300 | 04 | 48 | | 35 | 03 | | | | | | 3 | 0 | 03 | |
| 05 | 0350 | 04 | 39 | | 35 | 05 | | | | | | 3 | 0 | 03 | |
| 05 | 0400 | 04 | 46 | | 35 | 08 | | | | | | 3 | 0 | 03 | |

77 11 0112

| | | | | | | | | | | | | | | | |
|----|------|----|----|---|----|----|----|----|----|-----|--|---|---|----|---|
| | 0120 | 58 | 02 | 0 | 10 | 30 | 63 | 05 | 28 | 09 | | 1 | 2 | 1 | 9 |
| | | 14 | | | | | 09 | 06 | | 000 | | | | | |
| 09 | 0000 | 11 | 74 | | 26 | 31 | | | | | | 4 | 0 | 03 | |
| 09 | 0005 | 08 | 62 | | 26 | 72 | | | | | | 4 | 0 | 03 | |
| 09 | 0010 | 04 | 16 | | 32 | 77 | | | | | | 4 | 0 | 03 | |
| 09 | 0015 | 04 | 28 | | 33 | 95 | | | | | | 4 | 0 | 03 | |
| 09 | 0020 | 04 | 69 | | 34 | 34 | | | | | | 3 | 0 | 03 | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |

77 11 0114

| | | | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 12 | 0125 | 05 | 01 | | 35 | 13 | | | | | | 3 | 0 | 03 | | |
| 12 | 0150 | 05 | 00 | | 35 | 13 | | | | | | 3 | 0 | 03 | | |
| 12 | 0175 | 05 | 03 | | 35 | 16 | | | | | | 3 | 0 | 03 | | |
| 12 | 0200 | 05 | 10 | | 35 | 17 | | | | | | 3 | 0 | 03 | | |

| | | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0115 | 58 | 05 | 0 | 10 | 52 | 63 | 05 | 28 | 13 | 2 | 8 | 0 | 9 | |
| | | 0185 | 19 | | | | | 00 | 00 | | 000 | | | | | |

| | | | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 14 | 0000 | 11 | 58 | | 27 | 06 | | | | | | 4 | 0 | 03 | | |
| 14 | 0005 | 09 | 28 | | 28 | 04 | | | | | | 4 | 0 | 03 | | |
| 14 | 0010 | 06 | 26 | | 33 | 26 | | | | | | 4 | 0 | 03 | | |
| 14 | 0015 | 06 | 73 | | 34 | 56 | | | | | | 4 | 0 | 03 | | |
| 14 | 0020 | 06 | 21 | | 34 | 93 | | | | | | 3 | 0 | 03 | | |
| 14 | 0030 | 05 | 87 | | 34 | 93 | | | | | | 3 | 0 | 03 | | |
| 14 | 0040 | 06 | 23 | | 35 | 06 | | | | | | 3 | 0 | 03 | | |
| 14 | 0050 | 05 | 76 | | 35 | 06 | | | | | | 3 | 0 | 03 | | |
| 13 | 0060 | 05 | 27 | | 35 | 04 | | | | | | 3 | 0 | 03 | | |
| 13 | 0070 | 05 | 39 | | 35 | 11 | | | | | | 3 | 0 | 03 | | |
| 13 | 0080 | 04 | 81 | | 35 | 06 | | | | | | 3 | 0 | 03 | | |
| 13 | 0090 | 04 | 50 | | 35 | 00 | | | | | | 3 | 0 | 03 | | |
| 13 | 0100 | 04 | 60 | | 35 | 03 | | | | | | 3 | 0 | 03 | | |
| 13 | 0125 | 04 | 67 | | 35 | 06 | | | | | | 3 | 0 | 03 | | |
| 13 | 0150 | 04 | 56 | | 35 | 06 | | | | | | 3 | 0 | 03 | | |
| 13 | 0175 | 04 | 99 | | 35 | 17 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0116 | 58 | 07 | 0 | 11 | 04 | 63 | 05 | 28 | 15 | 1 | 2 | 1 | 9 | |
| | | 0135 | 19 | | | | | 32 | 04 | | 000 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 15 | 0000 | 15 | 64 | | 20 | 08 | | | | | | 4 | 0 | 03 | | |
| 15 | 0005 | 07 | 03 | | 30 | 57 | | | | | | 4 | 0 | 03 | | |
| 15 | 0010 | 06 | 25 | | 32 | 50 | | | | | | 4 | 0 | 03 | | |
| 15 | 0015 | 06 | 36 | | 33 | 10 | | | | | | 4 | 0 | 03 | | |
| 15 | 0020 | 05 | 78 | | 33 | 46 | | | | | | 3 | 0 | 03 | | |
| 15 | 0030 | 05 | 46 | | 33 | 96 | | | | | | 3 | 0 | 03 | | |
| 15 | 0040 | 05 | 45 | | 34 | 46 | | | | | | 3 | 0 | 03 | | |
| 15 | 0050 | 05 | 60 | | 34 | 59 | | | | | | 3 | 0 | 03 | | |
| 15 | 0060 | 05 | 53 | | 34 | 76 | | | | | | 3 | 0 | 03 | | |
| 15 | 0070 | 05 | 40 | | 34 | 89 | | | | | | 3 | 0 | 03 | | |
| 15 | 0080 | 05 | 24 | | 34 | 96 | | | | | | 3 | 0 | 03 | | |
| 15 | 0090 | 04 | 91 | | 35 | 01 | | | | | | 3 | 0 | 03 | | |
| 15 | 0100 | 04 | 78 | | 35 | 02 | | | | | | 3 | 0 | 03 | | |
| 15 | 0125 | 04 | 75 | | 35 | 05 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0117 | 58 | 09 | 0 | 11 | 14 | 63 | 05 | 28 | 16 | 0 | 0 | 0 | 9 | |
| | | 0055 | 17 | | | | | 34 | 08 | | 000 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 16 | 0000 | 13 | 20 | | 19 | 72 | | | | | | 4 | 0 | 03 | | |
|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|---------|------|-------------------|------------------------------|----------------|----|------------------------------|------------|------------|---------------------------|--------|------------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0 | ' | '' | 0 | ' | '' | | | | | | | | |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | | Temperature °C Wet ↓ bulb | | | -Wind Dir. Speed kn. | | Mixed layer depth m | | | | | |
| | | Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |

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|----|------|-------|--|-------|--|--|--|--|--|--|--|---|---|----|
| 16 | 0005 | 09 62 | | 22 80 | | | | | | | | 4 | 0 | 03 |
| 16 | 0010 | 07 29 | | 28 62 | | | | | | | | 4 | 0 | 03 |
| 16 | 0015 | 06 91 | | 32 29 | | | | | | | | 4 | 0 | 03 |
| 16 | 0020 | 07 10 | | 32 88 | | | | | | | | 3 | 0 | 03 |
| 16 | 0030 | 06 82 | | 33 20 | | | | | | | | 3 | 0 | 03 |
| 16 | 0040 | 06 00 | | 33 91 | | | | | | | | 3 | 0 | 03 |
| 16 | 0050 | 05 49 | | 34 54 | | | | | | | | 3 | 0 | 03 |

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|----|----|------|-------|---|-------|-------|----|-----|---|---|---|---|
| 77 | 11 | 0118 | 57 53 | 0 | 11 25 | 63 05 | 28 | 19 | 1 | 2 | 1 | 9 |
| | | 0060 | 17 | | | 34 08 | | 004 | | | | |

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|----|------|-------|--|-------|--|--|--|--|--|--|--|---|---|----|
| 19 | 0000 | 14 09 | | 19 93 | | | | | | | | 4 | 0 | 03 |
| 19 | 0005 | 12 62 | | 20 05 | | | | | | | | 4 | 0 | 03 |
| 19 | 0010 | 10 05 | | 22 56 | | | | | | | | 4 | 0 | 03 |
| 19 | 0015 | 07 03 | | 29 94 | | | | | | | | 4 | 0 | 03 |
| 19 | 0020 | 07 15 | | 32 00 | | | | | | | | 3 | 0 | 03 |
| 19 | 0030 | 06 02 | | 33 26 | | | | | | | | 3 | 0 | 03 |
| 19 | 0040 | 04 86 | | 34 21 | | | | | | | | 3 | 0 | 03 |
| 19 | 0050 | 04 70 | | 34 32 | | | | | | | | 3 | 0 | 03 |

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|----|----|------|-------|---|-------|-------|----|-----|---|---|---|---|
| 77 | 11 | 0119 | 57 52 | 0 | 11 21 | 63 05 | 28 | 20 | 1 | 3 | 1 | 9 |
| | | 0075 | 15 | | | 32 08 | | 000 | | | | |

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|----|------|-------|--|-------|--|--|--|--|--|--|--|---|---|----|
| 20 | 0000 | 13 81 | | 20 12 | | | | | | | | 4 | 0 | 03 |
| 20 | 0005 | 09 67 | | 21 06 | | | | | | | | 4 | 0 | 03 |
| 20 | 0010 | 08 75 | | 25 16 | | | | | | | | 4 | 0 | 03 |
| 20 | 0015 | 07 00 | | 29 89 | | | | | | | | 4 | 0 | 03 |
| 20 | 0020 | 06 59 | | 32 62 | | | | | | | | 3 | 0 | 03 |
| 20 | 0030 | 06 38 | | 33 03 | | | | | | | | 3 | 0 | 03 |
| 20 | 0040 | 05 74 | | 34 29 | | | | | | | | 3 | 0 | 03 |
| 20 | 0050 | 05 41 | | 34 70 | | | | | | | | 3 | 0 | 03 |
| 20 | 0060 | 05 34 | | 34 81 | | | | | | | | 3 | 0 | 03 |
| 20 | 0070 | 05 24 | | 34 89 | | | | | | | | 3 | 0 | 03 |

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|----|----|------|-------|---|-------|-------|----|-----|---|---|---|---|
| 77 | 11 | 0120 | 57 52 | 0 | 11 18 | 63 05 | 28 | 20 | 1 | 5 | 1 | 9 |
| | | 0100 | 15 | | | 32 06 | | 000 | | | | |

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|----|------|-------|--|-------|--|--|--|--|--|--|--|---|---|----|
| 21 | 0000 | 13 43 | | 20 16 | | | | | | | | 4 | 0 | 03 |
| 21 | 0005 | 10 73 | | 20 85 | | | | | | | | 4 | 0 | 03 |
| 21 | 0010 | 08 31 | | 25 86 | | | | | | | | 4 | 0 | 03 |
| 21 | 0015 | 06 84 | | 29 94 | | | | | | | | 4 | 0 | 03 |
| 21 | 0020 | 08 50 | | 32 28 | | | | | | | | 3 | 0 | 03 |
| 20 | 0030 | 05 89 | | 33 01 | | | | | | | | 3 | 0 | 03 |
| 20 | 0040 | 05 98 | | 34 05 | | | | | | | | 3 | 0 | 03 |
| 20 | 0050 | 05 51 | | 34 58 | | | | | | | | 3 | 0 | 03 |
| 20 | 0060 | 05 59 | | 34 87 | | | | | | | | 3 | 0 | 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice | |
|---------|------|-------------------|------------------------------|---|----|------------------------------|---|----|--------------------------|-------|-----------------------|--------------|-----------------|--------------|---------------|-------------|-----------|
| | | | 0 | ' | '' | 0 | ' | '' | | | | | | | | | |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | | Temperature °C Wet ↓ bulb | | | Wind Dir. Speed kn. | | Mixed layer depth m | | | | | | |
| | | Obs. time | Temperature °C ↓ | | | Salinity ‰ ↓ | | | σ_t ↓ | | Oxygen ml / l ↓ | | Saturat. % ↓ | | Salin. method | Extra info. | Card code |

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|---------|-------|-------|--------|
| 20 0070 | 05 25 | 34 87 | 3 0 03 |
| 20 0080 | 05 10 | 34 93 | 3 0 03 |
| 20 0090 | 05 03 | 34 95 | 3 0 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0121 | 57 51 | 0 | 11 13 | 63 05 | 28 | 21 | 2 7 1 9 |
| 0060 | 14 | | | 32 06 | | 000 | |

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|---------|-------|-------|--------|
| 21 0000 | 13 72 | 20 07 | 4 0 03 |
| 21 0005 | 09 58 | 21 06 | 4 0 03 |
| 21 0010 | 07 71 | 27 71 | 4 0 03 |
| 21 0015 | 06 56 | 30 58 | 4 0 03 |
| 21 0020 | 06 87 | 31 84 | 3 0 03 |
| 21 0030 | 06 69 | 33 68 | 3 0 03 |
| 21 0040 | 05 84 | 34 36 | 3 0 03 |
| 21 0050 | 05 71 | 34 75 | 3 0 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0122 | 57 51 | 0 | 11 09 | 63 05 | 28 | 22 | 2 7 1 9 |
| 0050 | 14 | | | 32 04 | | 000 | |

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|---------|-------|-------|--------|
| 22 0000 | 12 75 | 19 86 | 4 0 03 |
| 22 0005 | 09 52 | 21 02 | 4 0 03 |
| 22 0010 | 06 39 | 30 63 | 4 0 03 |
| 22 0015 | 08 14 | 32 50 | 4 0 03 |
| 22 0020 | 07 96 | 32 98 | 3 0 03 |
| 22 0030 | 06 00 | 34 53 | 3 0 03 |
| 22 0040 | 05 86 | 34 74 | 3 0 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0123 | 57 50 | 0 | 11 04 | 63 05 | 28 | 23 | 1 6 1 9 |
| 0050 | 14 6 | | | 32 04 | | 000 | |

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|---------|-------|-------|--------|
| 23 0000 | 11 35 | 19 49 | 4 0 03 |
| 23 0005 | 08 25 | 27 73 | 4 0 03 |
| 23 0010 | 09 91 | 32 39 | 4 0 03 |
| 23 0015 | 08 78 | 32 68 | 4 0 03 |
| 23 0020 | 07 08 | 33 48 | 3 0 03 |
| 23 0030 | 05 94 | 34 22 | 3 0 03 |
| 23 0040 | 05 89 | 34 52 | 3 0 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0124 | 57 49 | 0 | 11 00 | 63 05 | 28 | 24 | 2 8 1 9 |
| 0052 | 14 | | | 23 04 | | 000 | |

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|---------|-------|-------|--------|
| 24 0000 | 12 39 | 18 97 | 4 0 03 |
| 24 0005 | 09 31 | 27 62 | 4 0 03 |
| 24 0010 | 07 96 | 32 96 | 4 0 03 |
| 24 0015 | 07 38 | 33 38 | 4 0 03 |

| Country | Ship | Station number | Latitude | | Longitude | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|--------------|--------------|----------------------|----------------------------------|-----------------|------------------------------|-----------|---------------------------|------------------|----------------|------------------------|---------|-----------------|-----------------|-----|
| | | | 0:N+E 1:N+W 2:S+E 3:S+W | | | | | | | | | | | |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | Temperature °C Wet ↓ bulb | | Wind Dir. Speed kn. | | | Mixed layer depth m | | | | |
| Obs. time | Obs. depth m | Temperature °C ↓ | | Salinity ‰ ↓ | σ_t ↓ | ml/l ↓ | Oxygen Saturat. ‰ ↓ | Salin. method | Extra info. | Card code | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|---|---|----|
| 24 | 0020 | 06 | 86 | | 33 | 58 | | | | | 3 | 0 | 03 |
| 24 | 0030 | 06 | 14 | | 34 | 31 | | | | | 3 | 0 | 03 |
| 24 | 0040 | 05 | 89 | | 34 | 29 | | | | | 3 | 0 | 03 |
| 24 | 0050 | 05 | 93 | | 34 | 32 | | | | | 3 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0125 | 57 | 49 | 0 | 10 | 56 | 63 | 05 | 29 | 01 | 2 | 8 | 1 | 9 |
| | | 0057 | 14 | | | | | 23 | 04 | | 000 | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|---|---|----|
| 01 | 0000 | 11 | 69 | | 19 | 58 | | | | | 4 | 0 | 03 |
| 01 | 0005 | 11 | 59 | | 30 | 30 | | | | | 4 | 0 | 03 |
| 01 | 0010 | 08 | 31 | | 32 | 81 | | | | | 4 | 0 | 03 |
| 01 | 0015 | 07 | 35 | | 33 | 34 | | | | | 4 | 0 | 03 |
| 01 | 0020 | 06 | 83 | | 33 | 62 | | | | | 3 | 0 | 03 |
| 01 | 0030 | 05 | 96 | | 34 | 30 | | | | | 3 | 0 | 03 |
| 01 | 0040 | 05 | 84 | | 34 | 57 | | | | | 3 | 0 | 03 |
| 01 | 0050 | 05 | 93 | | 34 | 62 | | | | | 3 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0126 | 57 | 48 | 0 | 10 | 52 | 63 | 05 | 29 | 01 | 1 | 2 | 1 | 9 |
| | | 0057 | 15 | | | | | 20 | 06 | | 000 | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|---|---|----|
| 01 | 0000 | 11 | 81 | | 20 | 00 | | | | | 4 | 0 | 03 |
| 01 | 0005 | 11 | 33 | | 32 | 44 | | | | | 4 | 0 | 03 |
| 01 | 0010 | 08 | 11 | | 33 | 00 | | | | | 4 | 0 | 03 |
| 01 | 0015 | 07 | 68 | | 33 | 30 | | | | | 4 | 0 | 03 |
| 01 | 0020 | 07 | 09 | | 33 | 47 | | | | | 3 | 0 | 03 |
| 01 | 0030 | 06 | 01 | | 34 | 23 | | | | | 3 | 0 | 03 |
| 01 | 0040 | 05 | 55 | | 34 | 52 | | | | | 3 | 0 | 03 |
| 01 | 0050 | 05 | 87 | | 34 | 65 | | | | | 3 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0127 | 57 | 47 | 0 | 10 | 48 | 63 | 05 | 29 | 02 | 1 | 1 | 1 | 9 |
| | | 0055 | 14 | | | | | 20 | 04 | | 000 | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|---|---|----|
| 02 | 0000 | 12 | 79 | | 19 | 67 | | | | | 4 | 0 | 03 |
| 02 | 0005 | 10 | 65 | | 32 | 62 | | | | | 4 | 0 | 03 |
| 02 | 0010 | 08 | 51 | | 33 | 05 | | | | | 4 | 0 | 03 |
| 02 | 0015 | 08 | 14 | | 33 | 13 | | | | | 4 | 0 | 03 |
| 02 | 0020 | 07 | 03 | | 33 | 61 | | | | | 3 | 0 | 03 |
| 02 | 0030 | 06 | 15 | | 34 | 10 | | | | | 3 | 0 | 03 |
| 02 | 0040 | 05 | 73 | | 34 | 42 | | | | | 3 | 0 | 03 |
| 02 | 0050 | 05 | 77 | | 34 | 42 | | | | | 3 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0128 | 57 | 37 | 0 | 10 | 42 | 63 | 05 | 29 | 04 | 0 | 0 | 0 | 9 |
| | | 0022 | 14 | | | | | 00 | 00 | | 000 | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|---|---|----|
| 04 | 0000 | 13 | 95 | | 17 | 51 | | | | | 4 | 0 | 03 |
|----|------|----|----|--|----|----|--|--|--|--|---|---|----|

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice | |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-------------------|---------------------|--------------|-----------|--------------|--------------|-----|---|
| | | | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | 2 | | | | | | | | | 3 |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml / l | Oxygen Saturat. ‰ | Salin. method | Extra info. | Card code | | | | |
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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|--|
| 04 | 0005 | 09 | 20 | | 25 | 23 | | | | | | 4 | 0 | 03 | | | |
| 04 | 0010 | 06 | 38 | | 31 | 93 | | | | | | 4 | 0 | 03 | | | |
| 04 | 0015 | 06 | 53 | | 33 | 14 | | | | | | 4 | 0 | 03 | | | |
| 04 | 0020 | 05 | 27 | | 33 | 37 | | | | | | 3 | 0 | 03 | | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|--|--|
| 77 | 11 | 0129 | 57 | 30 | 0 | 10 | 43 | 63 | 05 | 29 | 05 | 0 | 0 | 0 | 9 | | | |
| | | 0028 | 14 | 5 | | | | 09 | 04 | | 000 | | | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|--|
| 05 | 0000 | 13 | 60 | | 17 | 61 | | | | | | 4 | 0 | 03 | | | |
| 05 | 0005 | 08 | 44 | | 29 | 23 | | | | | | 4 | 0 | 03 | | | |
| 05 | 0010 | 06 | 27 | | 31 | 04 | | | | | | 4 | 0 | 03 | | | |
| 05 | 0015 | 05 | 23 | | 33 | 40 | | | | | | 4 | 0 | 03 | | | |
| 05 | 0020 | 04 | 70 | | 33 | 51 | | | | | | 3 | 0 | 03 | | | |
| 05 | 0025 | 04 | 56 | | 33 | 63 | | | | | | 3 | 0 | 03 | | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|--|--|
| 77 | 11 | 0130 | 57 | 26 | 0 | 10 | 41 | 63 | 05 | 29 | 06 | 0 | 0 | 0 | 9 | | | |
| | | 0018 | 15 | | | | | 09 | 04 | | 000 | | | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|--|
| 06 | 0000 | 14 | 38 | | 17 | 72 | | | | | | 4 | 0 | 03 | | | |
| 06 | 0005 | 12 | 54 | | 25 | 66 | | | | | | 4 | 0 | 03 | | | |
| 06 | 0010 | 05 | 60 | | 32 | 02 | | | | | | 4 | 0 | 03 | | | |
| 06 | 0015 | 05 | 36 | | 32 | 63 | | | | | | 3 | 0 | 03 | | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|--|--|
| 77 | 11 | 0131 | 57 | 26 | 0 | 10 | 46 | 63 | 05 | 29 | 07 | 0 | 0 | 0 | 9 | | | |
| | | 0028 | 15 | | | | | 09 | 04 | | 005 | | | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|--|
| 07 | 0000 | 13 | 52 | | 18 | 61 | | | | | | 4 | 0 | 03 | | | |
| 07 | 0005 | 13 | 48 | | 22 | 57 | | | | | | 4 | 0 | 03 | | | |
| 07 | 0010 | 07 | 09 | | 31 | 12 | | | | | | 4 | 0 | 03 | | | |
| 07 | 0015 | 05 | 86 | | 32 | 45 | | | | | | 4 | 0 | 03 | | | |
| 07 | 0020 | 04 | 72 | | 33 | 19 | | | | | | 3 | 0 | 03 | | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|--|--|
| 77 | 11 | 0132 | 57 | 28 | 0 | 10 | 50 | 63 | 05 | 29 | 07 | 0 | 0 | 0 | 9 | | | |
| | | 0039 | 15 | 5 | | | | 09 | 06 | | 000 | | | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|--|
| 07 | 0000 | 13 | 42 | | 19 | 43 | | | | | | 4 | 0 | 03 | | | |
| 07 | 0005 | 11 | 87 | | 20 | 30 | | | | | | 4 | 0 | 03 | | | |
| 07 | 0010 | 08 | 39 | | 29 | 68 | | | | | | 4 | 0 | 03 | | | |
| 07 | 0015 | 06 | 24 | | 32 | 22 | | | | | | 4 | 0 | 03 | | | |
| 07 | 0020 | 05 | 01 | | 33 | 47 | | | | | | 3 | 0 | 03 | | | |
| 07 | 0030 | 04 | 21 | | 33 | 93 | | | | | | 3 | 0 | 03 | | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|--|--|
| 77 | 11 | 0133 | 57 | 28 | 0 | 10 | 56 | 63 | 05 | 29 | 08 | 1 | 1 | 1 | 9 | | | |
| | | 0037 | 17 | | | | | 09 | 06 | | 000 | | | | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|-----------|--------|------------|---------------------|-------------|--------------|---------|--------------|--------------|-----|
| | | | 0-N+E | 1-N+W | 2-S+E | 3-S+W | 0 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | Wind | | Mixed layer depth m | | | | | | |
| | | | Dry ↓ | bulb | Wet ↓ | bulb | Dir. | Speed kn. | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | | | |
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| 11 0020 | 06 81 | | 32 87 | | | | | | | | | 3 0 03 | | |
| 11 0030 | 03 71 | | 33 73 | | | | | | | | | 3 0 03 | | |

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|------------|-------|---|-------|-------|----|-----|---------|--|--|--|--|--|--|--|
| 77 11 0138 | 57 33 | 0 | 11 21 | 63 05 | 29 | 12 | 0 0 1 9 | | | | | | | |
| 0047. | 18 | | | 32 04 | | 000 | | | | | | | | |

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|---------|-------|--|-------|--|--|--|--------|--|--|--|--|--|--|--|
| 12 0000 | 14 90 | | 20 26 | | | | 4 0 03 | | | | | | | |
| 12 0005 | 12 28 | | 20 48 | | | | 4 0 03 | | | | | | | |
| 12 0010 | 09 29 | | 21 98 | | | | 4 0 03 | | | | | | | |
| 12 0015 | 07 34 | | 30 90 | | | | 4 0 03 | | | | | | | |
| 12 0020 | 07 09 | | 32 66 | | | | 3 0 03 | | | | | | | |
| 12 0030 | 05 73 | | 33 93 | | | | 3 0 03 | | | | | | | |
| 12 0040 | 04 34 | | 34 19 | | | | 3 0 03 | | | | | | | |

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|------------|-------|---|-------|-------|----|-----|---------|--|--|--|--|--|--|--|
| 77 11 0139 | 57 33 | 0 | 11 25 | 63 05 | 29 | 12 | 0 0 1 9 | | | | | | | |
| 0050 | 18 | | | 32 04 | | 000 | | | | | | | | |

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|---------|-------|--|-------|--|--|--|--------|--|--|--|--|--|--|--|
| 12 0000 | 15 23 | | 19 94 | | | | 4 0 03 | | | | | | | |
| 12 0005 | 12 61 | | 20 36 | | | | 4 0 03 | | | | | | | |
| 12 0010 | 09 28 | | 21 93 | | | | 4 0 03 | | | | | | | |
| 12 0015 | 07 07 | | 29 93 | | | | 4 0 03 | | | | | | | |
| 12 0020 | 05 86 | | 33 44 | | | | 3 0 03 | | | | | | | |
| 12 0030 | 05 04 | | 34 17 | | | | 3 0 03 | | | | | | | |
| 12 0040 | 04 18 | | 34 32 | | | | 3 0 03 | | | | | | | |

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|------------|-------|---|-------|-------|----|-----|---------|--|--|--|--|--|--|--|
| 77 11 0140 | 57 33 | 0 | 11 28 | 63 05 | 29 | 13 | 0 0 1 9 | | | | | | | |
| 0059 | 18 | | | 34 04 | | 000 | | | | | | | | |

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|---------|-------|--|-------|--|--|--|--------|--|--|--|--|--|--|--|
| 13 0000 | 13 56 | | 19 27 | | | | 4 0 03 | | | | | | | |
| 13 0005 | 13 13 | | 20 27 | | | | 4 0 03 | | | | | | | |
| 13 0010 | 09 98 | | 20 85 | | | | 4 0 03 | | | | | | | |
| 13 0015 | 08 07 | | 26 19 | | | | 4 0 03 | | | | | | | |
| 13 0020 | 05 27 | | 33 67 | | | | 3 0 03 | | | | | | | |
| 13 0030 | 04 90 | | 33 99 | | | | 3 0 03 | | | | | | | |
| 13 0040 | 04 19 | | 34 27 | | | | 3 0 03 | | | | | | | |
| 13 0050 | 04 11 | | 34 46 | | | | 3 0 03 | | | | | | | |

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|------------|-------|---|-------|-------|----|-----|---------|--|--|--|--|--|--|--|
| 77 11 0141 | 57 34 | 0 | 11 33 | 63 05 | 29 | 14 | 0 0 1 9 | | | | | | | |
| 0072 | 18 | | | 34 04 | | 000 | | | | | | | | |

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|---------|-------|--|-------|--|--|--|--------|--|--|--|--|--|--|--|
| 14 0000 | 14 53 | | 20 19 | | | | 4 0 03 | | | | | | | |
| 14 0005 | 11 03 | | 20 48 | | | | 4 0 03 | | | | | | | |
| 14 0010 | 09 72 | | 20 86 | | | | 4 0 03 | | | | | | | |
| 14 0015 | 08 27 | | 27 32 | | | | 4 0 03 | | | | | | | |
| 14 0020 | 05 50 | | 33 41 | | | | 3 0 03 | | | | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|-----|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 1:N+W | 2:S+E | 3:S+W | 1:W | 2:E | 3:W | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 14 | 0030 | 03 | 87 | | 34 | 00 | | | | | | 3 | 0 | 03 | | |
| 14 | 0040 | 03 | 76 | | 34 | 35 | | | | | | 3 | 0 | 03 | | |
| 14 | 0050 | 03 | 81 | | 34 | 41 | | | | | | 3 | 0 | 03 | | |
| 14 | 0060 | 03 | 79 | | 34 | 40 | | | | | | 3 | 0 | 03 | | |
| 14 | 0070 | 03 | 85 | | 34 | 46 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0142 | 57 | 35 | 0 | 11 | 36 | 63 | 05 | 29 | 14 | 0 | 0 | 1 | 9 | |
| | | 0050 | 18 | | | | | 34 | 04 | | 000 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 14 | 0005 | 11 | 22 | | 20 | 49 | | | | | | 4 | 0 | 03 | | |
| 14 | 0000 | 14 | 22 | | 20 | 24 | | | | | | 4 | 0 | 03 | | |
| 14 | 0010 | 09 | 43 | | 20 | 95 | | | | | | 4 | 0 | 03 | | |
| 14 | 0015 | 08 | 40 | | 25 | 14 | | | | | | 4 | 0 | 03 | | |
| 14 | 0020 | 04 | 88 | | 33 | 33 | | | | | | 3 | 0 | 03 | | |
| 14 | 0030 | 03 | 91 | | 34 | 18 | | | | | | 3 | 0 | 03 | | |
| 14 | 0040 | 03 | 74 | | 34 | 28 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0143 | 57 | 35 | 0 | 11 | 14 | 63 | 06 | 04 | 15 | 1 | 3 | 3 | 9 | |
| | | 0050 | 14 | | | | | 02 | 14 | | 005 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 15 | 0000 | 15 | 7 | | 19 | 05 | | | | | | 4 | 0 | 03 | | |
| 15 | 0005 | 14 | 1 | | 20 | 1 | | | | | | 4 | 0 | 03 | | |
| 15 | 0010 | 07 | 95 | | 28 | 8 | | | | | | 4 | 0 | 03 | | |
| 15 | 0015 | 07 | 8 | | 31 | 3 | | | | | | 4 | 0 | 03 | | |
| 15 | 0020 | 08 | 46 | | 32 | 53 | | | | | | 3 | 0 | 03 | | |
| 15 | 0030 | 06 | 59 | | 33 | 11 | | | | | | 3 | 0 | 03 | | |
| 15 | 0040 | 06 | 70 | | 33 | 69 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0144 | 57 | 37 | 0 | 11 | 08 | 63 | 06 | 04 | 16 | 1 | 3 | 3 | 9 | |
| | | 0037 | 14 | | | | | 02 | 14 | | 004 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 16 | 0000 | 15 | 4 | | 19 | 2 | | | | | | 4 | 0 | 03 | | |
| 16 | 0005 | 14 | 2 | | 20 | 0 | | | | | | 4 | 0 | 03 | | |
| 16 | 0010 | 08 | 4 | | 26 | 9 | | | | | | 4 | 0 | 03 | | |
| 16 | 0015 | 07 | 5 | | 30 | 7 | | | | | | 4 | 0 | 03 | | |
| 16 | 0020 | 07 | 35 | | 32 | 33 | | | | | | 3 | 0 | 03 | | |
| 16 | 0030 | 06 | 76 | | 33 | 31 | | | | | | 3 | 0 | 03 | | |
| 16 | 0035 | 06 | 9 | | 33 | 50 | | | | | | 4 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0145 | 57 | 40 | 0 | 11 | 03 | 63 | 06 | 04 | 17 | 1 | 4 | 2 | 9 | |
| | | 0033 | 14 | | | | | 02 | 12 | | 004 | | | | | |

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|----|------|----|---|--|----|---|--|--|--|--|--|---|---|----|--|--|
| 17 | 0000 | 14 | 5 | | 18 | 9 | | | | | | 4 | 0 | 03 | | |
| 17 | 0005 | 13 | 5 | | 19 | 6 | | | | | | 4 | 0 | 03 | | |
| 17 | 0010 | 08 | 1 | | 28 | 9 | | | | | | 4 | 0 | 03 | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|------------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
| | | | ↓ | | | ↓ | | | ↓ | ↓ | ↓ | | | | | |

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| 17 0015 | 07 5 | | | | 31 3 | | | | | | | 4 0 03 | | | | |
| 17 0020 | 07 25 | | | | 32 33 | | | | | | | 3 0 03 | | | | |
| 17 0030 | 05 92 | | | | 33 59 | | | | | | | 3 0 03 | | | | |

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|------------|-------|---|-------|-------|-------|---------|
| 77 11 0146 | 57 42 | 0 | 10 56 | 63 06 | 04 18 | 1 4 2 9 |
| 0032 | 15 | | | 02 16 | 005 | |

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|---------|-------|--|-------|--|--|--------|
| 18 0000 | 14 95 | | 18 5 | | | 4 0 03 |
| 18 0005 | 14 0 | | 20 2 | | | 4 0 03 |
| 18 0010 | 07 9 | | 30 6 | | | 4 0 03 |
| 18 0015 | 06 5 | | 32 45 | | | 4 0 03 |
| 18 0020 | 06 15 | | 33 22 | | | 3 0 03 |
| 18 0030 | 05 20 | | 33 73 | | | 3 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 11 0147 | 57 44 | 0 | 10 50 | 63 06 | 04 19 | 1 4 2 9 |
| 0037 | 15 | | | 05 16 | 004 | |

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|---------|-------|--|-------|--|--|--------|
| 19 0000 | 14 45 | | 19 3 | | | 4 0 03 |
| 19 0005 | 12 3 | | 26 2 | | | 4 0 03 |
| 19 0010 | 06 25 | | 32 15 | | | 4 0 03 |
| 19 0015 | 05 85 | | 33 88 | | | 4 0 03 |
| 19 0020 | 06 10 | | 34 22 | | | 3 0 03 |
| 19 0030 | 05 81 | | 34 64 | | | 3 0 03 |
| 19 0035 | 05 80 | | 34 68 | | | 3 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 11 0148 | 57 50 | 0 | 10 41 | 63 06 | 04 20 | 1 4 3 9 |
| 0105 | 14 | | | 05 16 | 000 | |

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|---------|-------|--|-------|--|--|--------|
| 20 0000 | 09 55 | | 27 6 | | | 4 0 03 |
| 20 0005 | 05 25 | | 32 9 | | | 4 0 03 |
| 20 0010 | 04 60 | | 33 55 | | | 4 0 03 |
| 20 0015 | 04 75 | | 34 04 | | | 4 0 03 |
| 20 0020 | 04 92 | | 34 21 | | | 3 0 03 |
| 20 0030 | 04 90 | | 34 63 | | | 3 0 03 |
| 20 0040 | 06 10 | | 34 87 | | | 3 0 03 |
| 20 0050 | 06 63 | | 35 05 | | | 3 0 03 |
| 20 0060 | 06 24 | | 35 06 | | | 3 0 03 |
| 20 0070 | 05 71 | | 35 08 | | | 3 0 03 |
| 20 0080 | 05 35 | | 35 02 | | | 3 0 03 |
| 20 0090 | 05 08 | | 35 03 | | | 3 0 03 |
| 20 0100 | 04 97 | | 35 04 | | | 3 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 11 0149 | 57 48 | 0 | 10 30 | 63 06 | 04 22 | 0 0 1 9 |
| 0105 | 12 | | | 09 14 | 005 | |

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|---------|-------|--|------|--|--|--------|
| 22 0000 | 09 55 | | 27 8 | | | 4 0 03 |
|---------|-------|--|------|--|--|--------|

| Country | Ship | Station number | Latitude | | | Longitude | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|--------------|--------------|----------------------|----------------|------------|----------------|-----------|--------|------------|------------------|----------------|-----------------|---------|-----------------|-----------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | o | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | Wind | | Mixed layer | | | | | | |
| | | | Dry ↓ | bulb | Wet ↓ | bulb | Dir. | Speed kn. | depth m | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | | | |
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| 08 0125 | 05 06 | | 35 05 | | | | | | 3 0 03 |
| 08 0150 | 04 84 | | 35 04 | | | | | | 3 0 03 |
| 08 0175 | 04 77 | | 35 04 | | | | | | 3 0 03 |
| 08 0200 | 04 76 | | 35 06 | | | | | | 3 0 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0155 | 58 04 | 0 | 10 47 | 63 06 | 05 | 10 | 0 0 0 9 |
| 0220 | 15 | | | 07 08 | | 000 | |

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|---------|-------|--|-------|--|--|--|--------|
| 10 0000 | 15 2 | | 20 45 | | | | 4 0 03 |
| 10 0005 | 08 7 | | 29 0 | | | | 4 0 03 |
| 10 0010 | 05 3 | | 32 57 | | | | 4 0 03 |
| 10 0015 | 04 6 | | 33 66 | | | | 4 0 03 |
| 10 0020 | 05 03 | | 34 16 | | | | 3 0 03 |
| 10 0030 | 05 93 | | 34 63 | | | | 3 0 03 |
| 10 0040 | 05 95 | | 34 79 | | | | 3 0 03 |
| 10 0050 | 06 13 | | 34 90 | | | | 3 0 03 |
| 10 0060 | 06 02 | | 34 96 | | | | 3 0 03 |
| 10 0070 | 06 25 | | 35 04 | | | | 3 0 03 |
| 10 0080 | 06 18 | | 35 07 | | | | 3 0 03 |
| 10 0090 | 05 99 | | 35 07 | | | | 3 0 03 |
| 10 0100 | 05 69 | | 35 05 | | | | 3 0 03 |
| 10 0125 | 05 21 | | 35 04 | | | | 3 0 03 |
| 10 0150 | 05 01 | | 35 03 | | | | 3 0 03 |
| 10 0175 | 05 09 | | 35 07 | | | | 3 0 03 |
| 10 0195 | 04 87 | | 35 06 | | | | 3 0 03 |
| 10 0210 | 04 93 | | 35 08 | | | | 3 0 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0156 | 58 05 | 0 | 10 52 | 63 06 | 05 | 13 | 1 2 1 9 |
| 0185 | 15 | | | 36 08 | | 000 | |

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|---------|-------|--|-------|--|--|--|--------|
| 13 0000 | 15 25 | | 20 0 | | | | 4 0 03 |
| 13 0005 | 10 2 | | 27 6 | | | | 4 0 03 |
| 13 0010 | 05 6 | | 32 85 | | | | 4 0 03 |
| 13 0015 | 04 6 | | 33 60 | | | | 4 0 03 |
| 13 0020 | 04 84 | | 34 02 | | | | 3 0 03 |
| 13 0030 | 05 09 | | 34 48 | | | | 3 0 03 |
| 13 0040 | 05 60 | | 34 77 | | | | 3 0 03 |
| 13 0050 | 06 03 | | 34 95 | | | | 3 0 03 |
| 13 0060 | 05 88 | | 34 97 | | | | 3 0 03 |
| 13 0070 | 06 03 | | 35 03 | | | | 3 0 03 |
| 13 0080 | | | 35 07 | | | | 3 0 03 |
| 13 0090 | 05 92 | | 35 08 | | | | 3 0 03 |
| 13 0100 | 05 60 | | 35 04 | | | | 3 0 03 |
| 13 0125 | 05 08 | | 35 02 | | | | 3 0 03 |
| 13 0150 | 04 85 | | 35 03 | | | | 3 0 03 |
| 13 0175 | 04 82 | | 35 06 | | | | 3 0 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0157 | 58 07 | 0 | 11 04 | 63 06 | 05 | 15 | 1 1 1 9 |
| 0128 | 16 | | | 36 10 | | 006 | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------|------------|----------------|------|--------|------------|---------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 0 | ' | '' | 0 | ' | '' | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | -Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ | bulb | | Wet ↓ | bulb | Dir. | Speed kn. | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | | | |
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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 15 | 0000 | 15 | 25 | | 20 | 4 | | | | | | 4 | 0 | 03 | | |
| 15 | 0005 | 15 | 25 | | 20 | 4 | | | | | | 4 | 0 | 03 | | |
| 15 | 0010 | 08 | 0 | | 30 | 3 | | | | | | 4 | 0 | 03 | | |
| 15 | 0015 | 07 | 0 | | 33 | 67 | | | | | | 4 | 0 | 03 | | |
| 15 | 0020 | 05 | 50 | | 34 | 11 | | | | | | 3 | 0 | 03 | | |
| 15 | 0030 | 06 | 00 | | 34 | 76 | | | | | | 3 | 0 | 03 | | |
| 15 | 0040 | 05 | 61 | | 34 | 86 | | | | | | 3 | 0 | 03 | | |
| 15 | 0050 | 05 | 46 | | 34 | 89 | | | | | | 3 | 0 | 03 | | |
| 15 | 0060 | 05 | 64 | | 34 | 96 | | | | | | 3 | 0 | 03 | | |
| 15 | 0070 | 05 | 09 | | 34 | 92 | | | | | | 3 | 0 | 03 | | |
| 15 | 0080 | 05 | 11 | | 34 | 95 | | | | | | 3 | 0 | 03 | | |
| 15 | 0090 | 04 | 97 | | 34 | 97 | | | | | | 3 | 0 | 03 | | |
| 15 | 0100 | 04 | 76 | | 34 | 97 | | | | | | 3 | 0 | 03 | | |
| 15 | 0125 | 04 | 78 | | 35 | 02 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0158 | 58 | 09 | 0 | 11 | 14 | 63 | 06 | 05 | 17 | 1 | 4 | 1 | 9 | |
| | | 0055 | 18 | | | | | 36 | 08 | | 003 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 17 | 0000 | 15 | 65 | | 20 | 1 | | | | | | 4 | 0 | 03 | | |
| 17 | 0005 | 15 | 2 | | 20 | 2 | | | | | | 4 | 0 | 03 | | |
| 17 | 0010 | 09 | 1 | | 28 | 1 | | | | | | 4 | 0 | 03 | | |
| 17 | 0015 | 07 | 3 | | 32 | 2 | | | | | | 4 | 0 | 03 | | |
| 17 | 0020 | 06 | 10 | | 33 | 72 | | | | | | 3 | 0 | 03 | | |
| 17 | 0030 | 05 | 87 | | 34 | 60 | | | | | | 3 | 0 | 03 | | |
| 17 | 0040 | 05 | 84 | | 34 | 81 | | | | | | 3 | 0 | 03 | | |
| 17 | 0050 | 05 | 31 | | 34 | 91 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0159 | 58 | 01 | 0 | 11 | 20 | 63 | 06 | 05 | 18 | 1 | 6 | 1 | 9 | |
| | | 0050 | 18 | | | | | 36 | 08 | | 004 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 18 | 0000 | 15 | 5 | | 20 | 2 | | | | | | 4 | 0 | 03 | | |
| 18 | 0005 | 14 | 1 | | 20 | 7 | | | | | | 4 | 0 | 03 | | |
| 18 | 0010 | 09 | 3 | | 26 | 0 | | | | | | 4 | 0 | 03 | | |
| 18 | 0015 | 07 | 1 | | 32 | 3 | | | | | | 4 | 0 | 03 | | |
| 18 | 0020 | 04 | 93 | | 33 | 68 | | | | | | 3 | 0 | 03 | | |
| 18 | 0030 | 05 | 89 | | 34 | 61 | | | | | | 3 | 0 | 03 | | |
| 18 | 0040 | 05 | 14 | | 34 | 79 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0160 | 57 | 59 | 0 | 11 | 10 | 63 | 06 | 05 | 19 | 1 | 4 | 1 | 9 | |
| | | 0105 | 18 | | | | | 36 | 08 | | 006 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 19 | 0000 | 15 | 3 | | 19 | 3 | | | | | | 4 | 0 | 03 | | |
| 19 | 0005 | 15 | 2 | | 19 | 3 | | | | | | 4 | 0 | 03 | | |
| 19 | 0010 | 07 | 7 | | 31 | 1 | | | | | | 4 | 0 | 03 | | |
| 19 | 0015 | 07 | 5 | | 33 | 17 | | | | | | 4 | 0 | 03 | | |
| 19 | 0020 | 07 | 50 | | 33 | 40 | | | | | | 3 | 0 | 03 | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|------------------------------|---|------------|------------------------------|---|------------|---------------------------|--------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0 | 1 | 2 | 3 | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | | Temperature °C Wet ↓ bulb | | | -Wind Dir. Speed kn. | | Mixed layer depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |

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|---------|-------|-------|--|--|--|--|--|--|--|--|--|--------|
| 19 0030 | 06 00 | 34 00 | | | | | | | | | | 3 0 03 |
| 19 0040 | 04 43 | 34 39 | | | | | | | | | | 3 0 03 |
| 19 0050 | 04 94 | 34 68 | | | | | | | | | | 3 0 03 |
| 19 0060 | 05 75 | 34 90 | | | | | | | | | | 3 0 03 |
| 19 0070 | 06 03 | 35 02 | | | | | | | | | | 3 0 03 |
| 19 0080 | 05 69 | 35 00 | | | | | | | | | | 3 0 03 |
| 19 0090 | 05 07 | 34 96 | | | | | | | | | | 3 0 03 |
| 19 0100 | 04 95 | 34 97 | | | | | | | | | | 3 0 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0161 | 57 58 | 0 | 10 59 | 63 06 | 05 | 21 | 1 4 1 9 |
| 0140 | 15 | | | 02 08 | | 004 | |

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|---------|-------|-------|--|--|--|--|--------|
| 21 0000 | 14 8 | 18 7 | | | | | 4 0 03 |
| 21 0005 | 12 65 | 22 4 | | | | | 4 0 03 |
| 21 0010 | 07 15 | 32 70 | | | | | 4 0 03 |
| 21 0015 | 06 75 | 33 33 | | | | | 4 0 03 |
| 21 0020 | 06 07 | 34 22 | | | | | 3 0 03 |
| 21 0030 | 05 90 | 34 44 | | | | | 3 0 03 |
| 21 0040 | 05 76 | 34 63 | | | | | 3 0 03 |
| 21 0050 | 05 83 | 34 71 | | | | | 3 0 03 |
| 21 0060 | 05 86 | 34 76 | | | | | 3 0 03 |
| 21 0070 | 05 85 | 34 88 | | | | | 3 0 03 |
| 21 0080 | 05 99 | 34 95 | | | | | 3 0 03 |
| 21 0090 | 05 42 | 34 97 | | | | | 3 0 03 |
| 21 0100 | 04 93 | 35 00 | | | | | 3 0 03 |
| 21 0125 | 04 94 | 35 03 | | | | | 3 0 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0162 | 57 56 | 0 | 10 48 | 63 06 | 05 | 24 | 0 0 1 9 |
| 0165 | 15 | | | 11 04 | | 000 | |

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|---------|-------|-------|--|--|--|--|--------|
| 24 0000 | 13 5 | 25 3 | | | | | 4 0 03 |
| 24 0005 | 07 5 | 33 47 | | | | | 4 0 03 |
| 24 0010 | 05 9 | 33 99 | | | | | 4 0 03 |
| 24 0015 | 05 7 | 34 65 | | | | | 4 0 03 |
| 24 0020 | 05 21 | 34 58 | | | | | 3 0 03 |
| 24 0030 | 06 25 | 34 94 | | | | | 3 0 03 |
| 24 0040 | 06 31 | 35 02 | | | | | 3 0 03 |
| 24 0050 | 06 34 | 35 07 | | | | | 3 0 03 |
| 24 0060 | 06 30 | 35 08 | | | | | 3 0 03 |
| 24 0070 | 05 86 | 35 06 | | | | | 3 0 03 |
| 24 0080 | 05 28 | 35 01 | | | | | 3 0 03 |
| 24 0090 | 04 96 | 35 00 | | | | | 3 0 03 |
| 24 0100 | 04 99 | 35 00 | | | | | 3 0 03 |
| 24 0125 | 04 89 | 35 04 | | | | | 3 0 03 |
| 24 0150 | 04 81 | 35 05 | | | | | 3 0 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0163 | 57 54 | 0 | 10 36 | 63 06 | 06 | 02 | 0 0 1 9 |
| 0130 | 13 | | | 99 03 | | 000 | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|-------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |

77 11 0163

| | | | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 02 | 0000 | 13 | 9 | | 23 | 7 | | | | | | 4 | 0 | 03 | | |
| 02 | 0005 | 05 | 5 | | 33 | 33 | | | | | | 4 | 0 | 03 | | |
| 02 | 0010 | 07 | 1 | | 34 | 05 | | | | | | 4 | 0 | 03 | | |
| 02 | 0015 | 05 | 6 | | 34 | 02 | | | | | | 4 | 0 | 03 | | |
| 02 | 0020 | 06 | 28 | | 34 | 54 | | | | | | 3 | 0 | 03 | | |
| 02 | 0030 | 06 | 40 | | 34 | 71 | | | | | | 3 | 0 | 03 | | |
| 02 | 0040 | 06 | 14 | | 34 | 74 | | | | | | 3 | 0 | 03 | | |
| 02 | 0050 | 06 | 09 | | 34 | 81 | | | | | | 3 | 0 | 03 | | |
| 02 | 0060 | 05 | 97 | | 34 | 88 | | | | | | 3 | 0 | 03 | | |
| 02 | 0070 | 06 | 08 | | 34 | 95 | | | | | | 3 | 0 | 03 | | |
| 02 | 0080 | 06 | 23 | | | | | | | | | 3 | 0 | 03 | | |
| 02 | 0090 | 06 | 31 | | 35 | 06 | | | | | | 3 | 0 | 03 | | |
| 02 | 0100 | 05 | 91 | | 35 | 03 | | | | | | 3 | 0 | 03 | | |
| 02 | 0125 | 05 | 22 | | 35 | 08 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0164 | 57 | 53 | 0 | 11 | 25 | 63 | 06 | 06 | 06 | 0 | 0 | 1 | 9 | |
| | | 0047 | 15 | | | | | 14 | 06 | | 007 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 06 | 0000 | 14 | 3 | | 20 | 6 | | | | | | 4 | 0 | 03 | | |
| 06 | 0005 | 14 | 25 | | 20 | 6 | | | | | | 4 | 0 | 03 | | |
| 06 | 0010 | 10 | 1 | | 24 | 3 | | | | | | 4 | 0 | 03 | | |
| 06 | 0015 | 08 | 4 | | 30 | 5 | | | | | | 4 | 0 | 03 | | |
| 06 | 0020 | 06 | 78 | | 32 | 94 | | | | | | 3 | 0 | 03 | | |
| 06 | 0030 | 05 | 51 | | 34 | 16 | | | | | | 3 | 0 | 03 | | |
| 06 | 0040 | 05 | 38 | | 34 | 48 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0165 | 57 | 52 | 0 | 11 | 21 | 63 | 06 | 06 | 07 | 0 | 0 | 1 | 9 | |
| | | 0075 | 16 | | | | | 14 | 06 | | 007 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 07 | 0000 | 14 | 65 | | 20 | 8 | | | | | | 4 | 0 | 03 | | |
| 07 | 0005 | 14 | 5 | | 20 | 8 | | | | | | 4 | 0 | 03 | | |
| 07 | 0010 | 09 | 2 | | 27 | 1 | | | | | | 4 | 0 | 03 | | |
| 07 | 0015 | 09 | 35 | | 32 | 1 | | | | | | 4 | 0 | 03 | | |
| 07 | 0020 | 07 | 37 | | 32 | 96 | | | | | | 3 | 0 | 03 | | |
| 07 | 0030 | 06 | 43 | | 33 | 85 | | | | | | 3 | 0 | 03 | | |
| 07 | 0040 | 06 | 16 | | 34 | 59 | | | | | | 3 | 0 | 03 | | |
| 07 | 0050 | 05 | 79 | | 34 | 70 | | | | | | 3 | 0 | 03 | | |
| 07 | 0060 | 05 | 73 | | 34 | 84 | | | | | | 3 | 0 | 03 | | |
| 07 | 0070 | 04 | 90 | | 34 | 99 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0166 | 57 | 52 | 0 | 11 | 18 | 63 | 06 | 06 | 07 | 0 | 0 | 0 | 9 | |
| | | 0100 | 16 | | | | | 14 | 06 | | 000 | | | | | |

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|----|------|----|---|--|----|---|--|--|--|--|--|---|---|----|--|--|
| 07 | 0000 | 15 | 2 | | 20 | 6 | | | | | | 4 | 0 | 03 | | |
| 07 | 0005 | 14 | 3 | | 20 | 8 | | | | | | 4 | 0 | 03 | | |
| 07 | 0010 | 09 | 1 | | 27 | 9 | | | | | | 4 | 0 | 03 | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|-----------|--------|------------|---------------|-------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 1:N+E | 2:S+E | 3:S+W | 1:N+W | 2:S+E | 3:S+W | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | Wind | | | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | Wet ↓ bulb | | Dir. | Speed kn. | | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | | | | |
| | | | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | |

77 11 0166

| | | | |
|---------|-------|-------|--------|
| 07 0015 | 08 4 | 30 8 | 4 0 03 |
| 07 0020 | 07 08 | 32 59 | 3 0 03 |
| 07 0030 | 06 23 | 34 03 | 3 0 03 |
| 07 0040 | 05 80 | 34 61 | 3 0 03 |
| 07 0050 | 05 97 | 34 76 | 3 0 03 |
| 07 0060 | 05 95 | 34 86 | 3 0 03 |
| 07 0070 | 05 75 | 34 91 | 3 0 03 |
| 07 0080 | 05 66 | 34 96 | 3 0 03 |
| 07 0090 | 05 38 | 34 96 | 3 0 03 |

77 11 0167 57 51 0 11 13 63 06 06 08 0 0 0 9
0060 16 14 04 004

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|---------|-------|-------|--------|
| 08 0000 | 15 25 | 19 0 | 4 0 03 |
| 08 0005 | 14 9 | 20 4 | 4 0 03 |
| 08 0010 | 09 05 | 27 1 | 4 0 03 |
| 08 0015 | 07 25 | 31 6 | 4 0 03 |
| 08 0020 | 06 58 | 31 85 | 3 0 03 |
| 08 0030 | 06 01 | 34 32 | 3 0 03 |
| 08 0040 | 05 93 | 34 72 | 3 0 03 |
| 08 0050 | 05 99 | 34 84 | 3 0 03 |

77 11 0168 57 51 0 11 09 63 06 06 09 0 0 0 9
0050 16 00 00 000

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|---------|-------|-------|--------|
| 09 0000 | 15 85 | 18 4 | 4 0 03 |
| 09 0005 | 12 55 | 21 0 | 4 0 03 |
| 09 0010 | 08 55 | 29 5 | 4 0 03 |
| 09 0015 | 07 15 | 32 0 | 4 0 03 |
| 09 0020 | 06 48 | 32 77 | 3 0 03 |
| 09 0030 | 05 99 | 34 24 | 3 0 03 |
| 09 0040 | 05 87 | 34 64 | 3 0 03 |

77 11 0169 57 50 0 11 04 63 06 06 10 0 0 0 9
0048 16 00 00 000

| | | | |
|---------|-------|-------|--------|
| 10 0000 | 15 9 | 18 0 | 4 0 03 |
| 10 0005 | 10 9 | 21 2 | 4 0 03 |
| 10 0010 | 08 1 | 31 0 | 4 0 03 |
| 10 0015 | 07 3 | 32 9 | 4 0 03 |
| 10 0020 | 05 13 | 33 87 | 3 0 03 |
| 10 0030 | 05 75 | 34 56 | 3 0 03 |
| 10 0040 | 05 99 | 34 80 | 3 0 03 |

77 11 0170 57 49 0 11 00 63 06 06 10 0 0 0 9
0053 17 05 04 000

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|-------|----------------|---|---|------------|-----------|---------------------|--------------|---------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | |

77 11 0170

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|----|------|----|----|----|----|--|--|--|--|--|--|---|---|----|
| 10 | 0000 | 16 | 0 | 17 | 95 | | | | | | | 4 | 0 | 03 |
| 10 | 0005 | 09 | 6 | 24 | 05 | | | | | | | 4 | 0 | 03 |
| 10 | 0010 | 07 | 9 | 31 | 35 | | | | | | | 4 | 0 | 03 |
| 10 | 0015 | 06 | 6 | 32 | 82 | | | | | | | 4 | 0 | 03 |
| 10 | 0020 | 05 | 71 | 33 | 33 | | | | | | | 3 | 0 | 03 |
| 10 | 0030 | 05 | 84 | 34 | 48 | | | | | | | 3 | 0 | 03 |
| 10 | 0040 | 05 | 85 | 34 | 63 | | | | | | | 3 | 0 | 03 |
| 10 | 0050 | 05 | 98 | 34 | 77 | | | | | | | 3 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0171 | 57 | 49 | 0 | 10 | 56 | 63 | 06 | 06 | 11 | 0 | 0 | 1 | 9 |
| | | 0055 | 16 | | | | | 02 | 04 | | 000 | | | | |

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|----|------|----|----|----|----|--|--|--|--|--|--|---|---|----|
| 11 | 0000 | 16 | 0 | 18 | 1 | | | | | | | 4 | 0 | 03 |
| 11 | 0005 | 08 | 75 | 25 | 6 | | | | | | | 4 | 0 | 03 |
| 11 | 0010 | 08 | 1 | 31 | 75 | | | | | | | 4 | 0 | 03 |
| 11 | 0015 | 05 | 9 | 33 | 1 | | | | | | | 4 | 0 | 03 |
| 11 | 0020 | 06 | 13 | 34 | 20 | | | | | | | 3 | 0 | 03 |
| 11 | 0030 | 05 | 82 | 34 | 56 | | | | | | | 3 | 0 | 03 |
| 11 | 0040 | 05 | 82 | 34 | 67 | | | | | | | 3 | 0 | 03 |
| 11 | 0050 | 05 | 89 | 34 | 80 | | | | | | | 3 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0172 | 57 | 48 | 0 | 10 | 52 | 63 | 06 | 06 | 12 | 0 | 0 | 1 | 9 |
| | | 0054 | 17 | | | | | 02 | 04 | | 000 | | | | |

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|----|------|----|----|----|----|--|--|--|--|--|--|---|---|----|
| 12 | 0000 | 15 | 9 | 18 | 8 | | | | | | | 4 | 0 | 03 |
| 12 | 0005 | 15 | 2 | 19 | 4 | | | | | | | 4 | 0 | 03 |
| 12 | 0010 | 06 | 85 | 31 | 5 | | | | | | | 4 | 0 | 03 |
| 12 | 0015 | 05 | 2 | 33 | 46 | | | | | | | 3 | 0 | 03 |
| 12 | 0020 | 06 | 20 | 34 | 47 | | | | | | | 3 | 0 | 03 |
| 12 | 0030 | 06 | 09 | 34 | 64 | | | | | | | 3 | 0 | 03 |
| 12 | 0040 | 05 | 92 | 34 | 72 | | | | | | | 3 | 0 | 03 |
| 12 | 0050 | 05 | 89 | 34 | 74 | | | | | | | 3 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0173 | 57 | 47 | 0 | 10 | 48 | 63 | 06 | 06 | 13 | 0 | 0 | 1 | 9 |
| | | 0055 | 17 | | | | | 02 | 04 | | 000 | | | | |

| | | | | | | | | | | | | | | |
|----|------|----|----|----|----|--|--|--|--|--|--|---|---|----|
| 13 | 0000 | 15 | 4 | 19 | 9 | | | | | | | 4 | 0 | 03 |
| 13 | 0005 | 07 | 2 | 32 | 2 | | | | | | | 4 | 0 | 03 |
| 13 | 0010 | 06 | 2 | 33 | 85 | | | | | | | 4 | 0 | 03 |
| 13 | 0015 | 06 | 2 | 34 | 40 | | | | | | | 4 | 0 | 03 |
| 13 | 0020 | 06 | 05 | 34 | 44 | | | | | | | 3 | 0 | 03 |
| 13 | 0030 | 05 | 91 | 34 | 61 | | | | | | | 3 | 0 | 03 |
| 13 | 0040 | 05 | 83 | 34 | 64 | | | | | | | 3 | 0 | 03 |
| 13 | 0050 | 05 | 89 | 34 | 66 | | | | | | | 3 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0174 | 57 | 37 | 0 | 10 | 42 | 63 | 06 | 06 | 15 | 0 | 0 | 2 | 9 |
| | | 0022 | 19 | | | | | 02 | 10 | | 000 | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|-----------|--------|------------|---------------|-------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 0-N+E | 1-N+W | 2-S+E | 3-S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | Wind | | | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | Wet ↓ bulb | | Dir. | Speed kn. | | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | | | | |
| | | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | |

77 11 0174

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|----|------|----|---|--|----|---|--|--|--|--|--|---|---|----|--|--|
| 15 | 0000 | 15 | 7 | | 19 | 2 | | | | | | 4 | 0 | 03 | | |
| 15 | 0005 | 10 | 1 | | 24 | 7 | | | | | | 4 | 0 | 03 | | |
| 15 | 0010 | 08 | 2 | | 32 | 6 | | | | | | 4 | 0 | 03 | | |
| 15 | 0015 | 08 | 0 | | 33 | 0 | | | | | | 4 | 0 | 03 | | |
| 15 | 0020 | 05 | 2 | | 33 | 5 | | | | | | 4 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0175 | 57 | 30 | 0 | 10 | 43 | 63 | 06 | 06 | 15 | 0 | 0 | 1 | 9 | |
| | | 0028 | 18 | | | | | 02 | 04 | | 000 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 15 | 0000 | 16 | 65 | | 17 | 0 | | | | | | 4 | 0 | 03 | | |
| 15 | 0005 | 09 | 1 | | 24 | 9 | | | | | | 4 | 0 | 03 | | |
| 15 | 0010 | 08 | 4 | | 32 | 8 | | | | | | 4 | 0 | 03 | | |
| 15 | 0015 | 06 | 8 | | 33 | 4 | | | | | | 4 | 0 | 03 | | |
| 15 | 0020 | 04 | 8 | | 33 | 6 | | | | | | 4 | 0 | 03 | | |
| 15 | 0025 | 04 | 65 | | 33 | 55 | | | | | | 4 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0176 | 57 | 26 | 0 | 10 | 41 | 63 | 06 | 06 | 16 | 0 | 0 | 1 | 9 | |
| | | 0021 | 18 | | | | | 02 | 04 | | 004 | | | | | |

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|----|------|----|---|--|----|---|--|--|--|--|--|---|---|----|--|--|
| 16 | 0000 | 16 | 4 | | 15 | 9 | | | | | | 4 | 0 | 03 | | |
| 16 | 0005 | 16 | 2 | | 18 | 5 | | | | | | 4 | 0 | 03 | | |
| 16 | 0010 | 06 | 6 | | 32 | 7 | | | | | | 4 | 0 | 03 | | |
| 16 | 0015 | 04 | 9 | | 33 | 1 | | | | | | 4 | 0 | 03 | | |
| 16 | 0020 | 04 | 7 | | 33 | 6 | | | | | | 4 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0177 | 57 | 26 | 0 | 10 | 46 | 63 | 06 | 06 | 17 | 0 | 0 | 1 | 9 | |
| | | 0028 | 18 | | | | | 02 | 06 | | 000 | | | | | |

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|----|------|----|---|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 17 | 0000 | 16 | 4 | | 16 | 0 | | | | | | 4 | 0 | 03 | | |
| 17 | 0005 | 15 | 8 | | 19 | 2 | | | | | | 4 | 0 | 03 | | |
| 17 | 0010 | 08 | 6 | | 33 | 2 | | | | | | 4 | 0 | 03 | | |
| 17 | 0015 | 06 | 9 | | 33 | 6 | | | | | | 4 | 0 | 03 | | |
| 17 | 0020 | 05 | 4 | | 34 | 3 | | | | | | 4 | 0 | 03 | | |
| 17 | 0025 | 04 | 8 | | 34 | 25 | | | | | | 4 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0178 | 57 | 28 | 0 | 10 | 50 | 63 | 06 | 06 | 17 | 0 | 0 | 1 | 9 | |
| | | 0037 | 18 | | | | | 02 | 06 | | 004 | | | | | |

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|----|------|----|---|--|----|---|--|--|--|--|--|---|---|----|--|--|
| 17 | 0000 | 16 | 4 | | 17 | 2 | | | | | | 4 | 0 | 03 | | |
| 17 | 0005 | 15 | 9 | | 18 | 9 | | | | | | 4 | 0 | 03 | | |
| 17 | 0010 | 07 | 4 | | 31 | 5 | | | | | | 4 | 0 | 03 | | |
| 17 | 0015 | 05 | 9 | | 33 | 7 | | | | | | 4 | 0 | 03 | | |
| 17 | 0020 | 04 | 4 | | 33 | 6 | | | | | | 4 | 0 | 03 | | |
| 17 | 0025 | 04 | 4 | | 33 | 7 | | | | | | 4 | 0 | 03 | | |
| 17 | 0030 | 04 | 3 | | 33 | 7 | | | | | | 4 | 0 | 03 | | |

| Country | Ship | Station number | Latitude ° | 0N+E 1:N+W 2:S+E 3:S+W | Longitude ° | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|--------------------|------------------------------|---------------------------------|------------------------------|------------|--------------------------|------------|---------------------|-------------|--------------|--------------|-----|
| | | Depth to bottom m. | Temperature °C Dry ↓ bulb | | Temperature °C Wet ↓ bulb | | Wind Dir. Speed kn. | | Mixed layer depth m | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |

77 11 0178

17 0035 04 3 33 9 4 0 03

77 11 0179 57 28 0 10 56 63 06 06 18 0 0 2 9

0037 18 05 06 000

18 0000 16 3 18 1 4 0 03

18 0005 14 6 20 1 4 0 03

18 0010 06 9 31 6 4 0 03

18 0015 05 3 33 6 4 0 03

18 0020 05 2 34 0 4 0 03

18 0025 04 8 34 1 4 0 03

18 0030 04 3 34 5 4 0 03

18 0035 04 1 34 5 4 0 03

77 11 0180 57 29 0 11 02 63 06 06 18 0 0 2 9

0038 18 05 08 000

18 0000 16 5 17 1 4 0 03

18 0005 14 9 20 1 4 0 03

18 0010 07 6 31 9 4 0 03

18 0015 05 7 33 7 4 0 03

18 0020 04 8 34 1 4 0 03

18 0025 04 9 34 1 4 0 03

18 0030 04 4 34 0 4 0 03

18 0035 04 3 34 2 4 0 03

77 11 0181 57 30 0 11 06 63 06 06 19 0 0 2 9

0037 17 08 08 003

19 0000 16 4 16 1 4 0 03

19 0005 12 0 19 3 4 0 03

19 0010 07 4 30 7 4 0 03

19 0015 06 4 33 5 4 0 03

19 0020 05 1 33 9 4 0 03

19 0025 04 6 34 0 4 0 03

19 0030 04 5 34 2 4 0 03

19 0035 04 4 34 4 4 0 03

77 11 0182 57 31 0 11 11 63 06 06 19 0 0 2 9

0044 17 02 08 000

19 0000 16 3 16 1 4 0 03

19 0005 13 4 18 5 4 0 03

19 0010 07 9 29 7 4 0 03

19 0015 07 4 32 1 4 0 03

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------------------------|----------------|-----------|--------|------------|---------------|-------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 0 | 1:N+E 2:S+E 3:S+W | | | 0 | | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | Wind | | | | Mixed layer depth m | | | | | |
| | | | Dry ↓ | bulb | Wet ↓ | bulb | Dir. | Speed kn. | | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | | | | |
| | | | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | |

77 11 0182

| | | | |
|---------|------|------|--------|
| 19 0020 | 07 5 | 33 0 | 4 0 03 |
| 19 0025 | 05 8 | 33 7 | 4 0 03 |
| 19 0030 | 04 8 | 34 2 | 4 0 03 |
| 19 0035 | 04 5 | 34 1 | 4 0 03 |
| 19 0040 | 04 5 | 34 2 | 4 0 03 |

77 11 0183 57 31 0 11 16 63 06 06 21 0 0 1 9
0038 17 02 08 000

| | | | |
|---------|------|-------|--------|
| 21 0000 | 16 0 | 16 9 | 4 0 03 |
| 21 0005 | 13 2 | 18 7 | 4 0 03 |
| 21 0010 | 07 8 | 29 5 | 4 0 03 |
| 21 0015 | 07 8 | 31 5 | 4 0 03 |
| 21 0020 | 07 0 | 32 8 | 4 0 03 |
| 21 0025 | 07 2 | 33 6 | 4 0 03 |
| 21 0030 | 04 5 | 34 2 | 4 0 03 |
| 21 0035 | 04 4 | 34 15 | 4 0 03 |

77 11 0184 57 33 0 11 21 63 06 06 21 0 0 1 9
0047 17 36 08 004

| | | | |
|---------|------|------|--------|
| 21 0000 | 15 6 | 17 9 | 4 0 03 |
| 21 0005 | 15 2 | 18 5 | 4 0 03 |
| 21 0010 | 07 9 | 30 1 | 4 0 03 |
| 21 0015 | 07 7 | 31 9 | 4 0 03 |
| 21 0020 | 07 8 | 32 9 | 4 0 03 |
| 21 0025 | 06 8 | 33 2 | 4 0 03 |
| 21 0030 | 05 4 | 34 1 | 4 0 03 |
| 21 0035 | 04 4 | 34 3 | 4 0 03 |
| 21 0040 | 04 2 | 34 3 | 4 0 03 |
| 21 0045 | 04 1 | 34 4 | 4 0 03 |

77 11 0185 57 33 0 11 25 63 06 06 21 1 1 1 9
0048 16 5 36 06 004

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|---------|-------|-------|--------|
| 21 0000 | 15 5 | 18 7 | 4 0 03 |
| 21 0005 | 15 1 | 19 15 | 4 0 03 |
| 21 0010 | 08 7 | 27 25 | 4 0 03 |
| 21 0015 | 07 6 | 31 35 | 4 0 03 |
| 21 0020 | 07 06 | 32 98 | 3 0 03 |
| 21 0030 | 05 94 | 34 30 | 3 0 03 |
| 21 0040 | 05 04 | 34 57 | 3 0 03 |

77 11 0186 57 33 0 11 29 63 06 06 22 0 0 1 9
0059 16 36 04

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
| | | ↓ | | | ↓ | | | ↓ | ↓ | ↓ | ↓ | | | | | |

77 11 0186

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|
| 22 | 0000 | 15 | 6 | | 18 | 35 | | | | | | 4 | 0 | 03 |
| 22 | 0005 | 15 | 4 | | 18 | 35 | | | | | | 4 | 0 | 03 |
| 22 | 0010 | 10 | 35 | | 23 | 25 | | | | | | 4 | 0 | 03 |
| 22 | 0015 | 07 | 3 | | 32 | 00 | | | | | | 4 | 0 | 03 |
| 22 | 0020 | 06 | 49 | | 33 | 19 | | | | | | 3 | 0 | 03 |
| 22 | 0030 | 05 | 95 | | 34 | 52 | | | | | | 3 | 0 | 03 |
| 22 | 0040 | 05 | 90 | | 34 | 65 | | | | | | 3 | 0 | 03 |
| 22 | 0050 | 05 | 86 | | 34 | 82 | | | | | | 3 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0187 | 57 | 34 | 0 | 11 | 33 | 63 | 06 | 06 | 23 | 0 | 0 | 0 | 9 |
| | | 0072 | 16 | | | | | 36 | 04 | | 000 | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|
| 23 | 0000 | 15 | 6 | | 18 | 2 | | | | | | 4 | 0 | 03 |
| 23 | 0005 | 14 | 8 | | 18 | 45 | | | | | | 4 | 0 | 03 |
| 23 | 0010 | 10 | 25 | | 21 | 1 | | | | | | 4 | 0 | 03 |
| 23 | 0015 | 06 | 2 | | 33 | 0 | | | | | | 4 | 0 | 03 |
| 23 | 0020 | 04 | 61 | | 33 | 83 | | | | | | 3 | 0 | 03 |
| 23 | 0030 | 04 | 50 | | 34 | 35 | | | | | | 3 | 0 | 03 |
| 23 | 0040 | 05 | 57 | | 34 | 67 | | | | | | 3 | 0 | 03 |
| 23 | 0050 | 05 | 61 | | 34 | 87 | | | | | | 3 | 0 | 03 |
| 23 | 0060 | 05 | 46 | | 34 | 91 | | | | | | 3 | 0 | 03 |
| 23 | 0070 | 05 | 46 | | 34 | 96 | | | | | | 3 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0188 | 57 | 35 | 0 | 11 | 36 | 63 | 06 | 06 | 24 | 0 | 0 | 0 | 9 |
| | | 0046 | 16 | | | | | 00 | 00 | | 004 | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|
| 24 | 0000 | 15 | 2 | | 18 | 4 | | | | | | 4 | 0 | 03 |
| 24 | 0005 | 15 | 15 | | 18 | 4 | | | | | | 4 | 0 | 03 |
| 24 | 0010 | 09 | 95 | | 20 | 6 | | | | | | 4 | 0 | 03 |
| 24 | 0015 | 07 | 1 | | 32 | 76 | | | | | | 4 | 0 | 03 |
| 24 | 0020 | 05 | 48 | | 34 | 17 | | | | | | 3 | 0 | 03 |
| 24 | 0030 | 04 | 78 | | 34 | 43 | | | | | | 3 | 0 | 03 |
| 24 | 0040 | 04 | 61 | | 34 | 53 | | | | | | 3 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0189 | 57 | 35 | 0 | 11 | 40 | 63 | 06 | 07 | 00 | 0 | 0 | 1 | 9 |
| | | 0032 | 16 | | | | | 36 | 02 | | 004 | | | | |

| | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|
| 00 | 0000 | 15 | 1 | | 19 | 6 | | | | | | 4 | 0 | 03 |
| 00 | 0005 | 15 | 0 | | 19 | 6 | | | | | | 4 | 0 | 03 |
| 00 | 0010 | 10 | 25 | | 21 | 8 | | | | | | 4 | 0 | 03 |
| 00 | 0015 | 05 | 0 | | 33 | 17 | | | | | | 4 | 0 | 03 |
| 00 | 0020 | 04 | 37 | | 33 | 83 | | | | | | 3 | 0 | 03 |
| 00 | 0030 | 04 | 24 | | 34 | 27 | | | | | | 3 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0219 | 58 | 03 | 0 | 10 | 42 | 63 | 06 | 12 | 04 | 1 | 6 | 3 | 9 |
| | | 0205 | 16 | | | | | 27 | 16 | | 000 | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|---|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0 | ' | '' | 0 | ' | '' | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | -Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
| | | | ↓ | | | ↓ | | ↓ | ↓ | ↓ | ↓ | | | | | |

77 11 0219

| | | | | | | | | | | | | | | | | |
|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|----|--|
| 04 | 0000 | 16 | 72 | | 29 | 246 | | | | | | 3 | 0 | 03 | | |
| 04 | 0005 | 14 | 83 | | 33 | 372 | | | | | | 3 | 0 | 03 | | |
| 04 | 0010 | 10 | 65 | | 33 | 629 | | | | | | 3 | 0 | 03 | | |
| 04 | 0015 | 08 | 02 | | 34 | 766 | | | | | | 3 | 0 | 03 | | |
| 04 | 0020 | 07 | 32 | | 34 | 924 | | | | | | 3 | 0 | 03 | | |
| 04 | 0030 | 06 | 96 | | 35 | 017 | | | | | | 3 | 0 | 03 | | |
| 04 | 0040 | 06 | 56 | | 35 | 073 | | | | | | 3 | 0 | 03 | | |
| 04 | 0050 | 06 | 14 | | 35 | 056 | | | | | | 3 | 0 | 03 | | |
| 04 | 0060 | 06 | 19 | | 35 | 146 | | | | | | 3 | 0 | 03 | | |
| 04 | 0070 | 05 | 97 | | 35 | 081 | | | | | | 3 | 0 | 03 | | |
| 04 | 0080 | 05 | 91 | | 35 | 083 | | | | | | 3 | 0 | 03 | | |
| 04 | 0090 | 05 | 89 | | 35 | 096 | | | | | | 3 | 0 | 03 | | |
| 04 | 0100 | 05 | 44 | | 35 | 061 | | | | | | 3 | 0 | 03 | | |
| 04 | 0125 | 05 | 49 | | 35 | 130 | | | | | | 3 | 0 | 03 | | |
| 04 | 0150 | 05 | 37 | | 35 | 116 | | | | | | 3 | 0 | 03 | | |
| 04 | 0175 | 05 | 56 | | | | | | | | | | | 0 | 03 | |
| 04 | 0200 | 05 | 60 | | 35 | 189 | | | | | | 3 | 0 | 03 | | |

77 11 0220 58 05 0 10 52 63 06 12 05 1 3 3 9
0190 16 27 16 000

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 06 | 0000 | 15 | 32 | | 25 | 6 | | | | | | 4 | 0 | 03 | | |
| 06 | 0005 | 12 | 03 | | 30 | 7 | | | | | | 4 | 0 | 03 | | |
| 06 | 0010 | 09 | 62 | | 34 | 0 | | | | | | 4 | 0 | 03 | | |
| 06 | 0015 | 06 | 86 | | 34 | 2 | | | | | | 4 | 0 | 03 | | |
| 06 | 0020 | 07 | 29 | | 34 | 4 | | | | | | 4 | 0 | 03 | | |
| 06 | 0030 | 07 | 07 | | 34 | 7 | | | | | | 4 | 0 | 03 | | |
| 06 | 0040 | 06 | 32 | | 34 | 8 | | | | | | 4 | 0 | 03 | | |
| 06 | 0050 | 06 | 04 | | 34 | 8 | | | | | | 4 | 0 | 03 | | |
| 05 | 0060 | 06 | 20 | | 34 | 9 | | | | | | 4 | 0 | 03 | | |
| 05 | 0070 | 06 | 07 | | 34 | 9 | | | | | | 4 | 0 | 03 | | |
| 05 | 0080 | 05 | 44 | | 35 | 0 | | | | | | 4 | 0 | 03 | | |
| 05 | 0090 | 05 | 58 | | 35 | 084 | | | | | | 3 | 0 | 03 | | |
| 05 | 0100 | 05 | 21 | | 35 | 058 | | | | | | 3 | 0 | 03 | | |
| 05 | 0125 | 05 | 39 | | 35 | 108 | | | | | | 3 | 0 | 03 | | |
| 05 | 0150 | 05 | 24 | | 35 | 128 | | | | | | 3 | 0 | 03 | | |
| 05 | 0175 | 05 | 40 | | 35 | 132 | | | | | | 3 | 0 | 03 | | |

77 11 0231 58 06 0 09 37 63 06 12 21 0 0 2 9
0500 15 18 08 000

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|----|------|----|---|--|----|---|--|--|--|--|--|---|---|----|--|--|
| 21 | 0000 | 17 | 0 | | 22 | 7 | | | | | | 4 | 0 | 03 | | |
| 21 | 0005 | 12 | 0 | | 34 | 0 | | | | | | 4 | 0 | 03 | | |
| 21 | 0010 | 07 | 4 | | 34 | 5 | | | | | | 4 | 0 | 03 | | |
| 21 | 0015 | 06 | 2 | | 34 | 4 | | | | | | 4 | 0 | 03 | | |
| 21 | 0020 | 05 | 9 | | 34 | 6 | | | | | | 4 | 0 | 03 | | |
| 21 | 0030 | 05 | 8 | | 34 | 7 | | | | | | 4 | 0 | 03 | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|--------------|--------------|----------------------|----------------|------------|----------------|-----------|--------|------------|------------------|----------------|------------------------|-----------------|---------|-----------------|-----------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0:W+E | 1:W+W | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | Wind | | | | Mixed layer depth m | | | | | |
| | | | Dry ↓ | bulb | Wet ↓ | bulb | Dir. | Speed kn. | | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | | | | |
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77 11 0235

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|
| 06 | 0090 | 06 | 06 | | 35 | 03 | | | | | | 1 | 0 | 03 |
| 06 | 0100 | 05 | 99 | | 35 | 06 | | | | | | 1 | 0 | 03 |
| 06 | 0125 | 05 | 89 | | 35 | 07 | | | | | | 1 | 0 | 03 |
| 06 | 0150 | 05 | 41 | | 35 | 04 | | | | | | 1 | 0 | 03 |
| 06 | 0175 | 05 | 40 | | | | | | | | | | 0 | 03 |
| 06 | 0200 | 05 | 63 | | 35 | 10 | | | | | | 1 | 0 | 03 |
| 06 | 0300 | 05 | 51 | | 35 | 16 | | | | | | 1 | 0 | 03 |

77 11 0236 58 20 0 10 40 63 06 13 07 2 7 2 9
0210 15 09 20 000

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|
| 07 | 0000 | 13 | 1 | | 27 | 9 | | | | | | 4 | 0 | 03 |
| 07 | 0005 | 07 | 1 | | 32 | 3 | | | | | | 4 | 0 | 03 |
| 07 | 0010 | 05 | 0 | | 33 | 6 | | | | | | 4 | 0 | 03 |
| 07 | 0015 | 04 | 9 | | 33 | 9 | | | | | | 4 | 0 | 03 |
| 07 | 0020 | 05 | 2 | | 34 | 1 | | | | | | 4 | 0 | 03 |
| 07 | 0030 | 05 | 5 | | 34 | 5 | | | | | | 4 | 0 | 03 |
| 07 | 0040 | 05 | 8 | | 34 | 6 | | | | | | 4 | 0 | 03 |
| 07 | 0050 | 05 | 9 | | 34 | 7 | | | | | | 4 | 0 | 03 |
| 07 | 0060 | 05 | 79 | | 34 | 92 | | | | | | 1 | 0 | 03 |
| 07 | 0070 | 05 | 79 | | 35 | 00 | | | | | | 1 | 0 | 03 |
| 07 | 0080 | 05 | 63 | | 34 | 99 | | | | | | 1 | 0 | 03 |
| 07 | 0090 | 05 | 87 | | 35 | 11 | | | | | | 1 | 0 | 03 |
| 07 | 0100 | 05 | 42 | | 35 | 07 | | | | | | 1 | 0 | 03 |
| 07 | 0150 | 04 | 76 | | 35 | 03 | | | | | | 1 | 0 | 03 |
| 07 | 0200 | 05 | 00 | | 35 | 07 | | | | | | 1 | 0 | 03 |

77 11 0237 58 22 0 10 53 63 06 13 09 2 7 2 9
0130 15 09 20 004

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|
| 09 | 0000 | 15 | 4 | | 26 | 4 | | | | | | 4 | 0 | 03 |
| 09 | 0005 | 12 | 8 | | 31 | 9 | | | | | | 4 | 0 | 03 |
| 09 | 0010 | 12 | 8 | | 33 | 5 | | | | | | 4 | 0 | 03 |
| 09 | 0015 | 06 | 9 | | 34 | 4 | | | | | | 4 | 0 | 03 |
| 09 | 0020 | 07 | 0 | | 34 | 7 | | | | | | 4 | 0 | 03 |
| 09 | 0030 | 06 | 7 | | 34 | 7 | | | | | | 4 | 0 | 03 |
| 09 | 0040 | 05 | 7 | | 34 | 6 | | | | | | 4 | 0 | 03 |
| 09 | 0050 | 05 | 7 | | 34 | 7 | | | | | | 4 | 0 | 03 |
| 09 | 0060 | 05 | 85 | | 34 | 93 | | | | | | 1 | 0 | 03 |
| 09 | 0070 | 06 | 15 | | 35 | 04 | | | | | | 1 | 0 | 03 |
| 09 | 0080 | 05 | 80 | | 35 | 02 | | | | | | 1 | 0 | 03 |
| 09 | 0090 | 05 | 45 | | 35 | 03 | | | | | | 1 | 0 | 03 |
| 09 | 0100 | 05 | 20 | | 35 | 02 | | | | | | 1 | 0 | 03 |

77 11 0264 57 41 0 09 50 63 06 17 06 6 8 3 9
0055 13 23 18 008

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|------------|----------------|--------|------------|---------------|-------------|-----------|---------------------|---------|--------------|--------------|-----|
| | | | 0 | 1 | 2 | 3 | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | -Wind | | | Mixed layer depth m | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | | | | |

77 11 0264

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|----|------|-------|--|--------|--|--|--|--|---|---|----|
| 06 | 0000 | 14 63 | | 29 356 | | | | | 3 | 0 | 03 |
| 06 | 0005 | 14 65 | | 29 329 | | | | | 3 | 0 | 03 |
| 06 | 0010 | 12 08 | | 32 817 | | | | | 3 | 0 | 03 |
| 06 | 0015 | 08 02 | | 33 965 | | | | | 3 | 0 | 03 |
| 06 | 0020 | 07 21 | | 34 364 | | | | | 3 | 0 | 03 |
| 06 | 0030 | 07 10 | | 34 416 | | | | | 3 | 0 | 03 |
| 06 | 0040 | 07 01 | | 34 569 | | | | | 3 | 0 | 03 |
| 06 | 0050 | 06 80 | | 34 671 | | | | | 3 | 0 | 03 |

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|----|----|------|-------|---|-------|-------|-------|--|---|---|-----|
| 77 | 11 | 0265 | 57 48 | 0 | 09 41 | 63 06 | 17 08 | | 2 | 8 | 3 9 |
| | | 0033 | 13 | | | 23 16 | 000 | | | | |

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|----|------|-------|--|--------|--|--|--|--|---|---|----|
| 08 | 0000 | 14 71 | | 29 768 | | | | | 3 | 0 | 03 |
| 08 | 0005 | 11 31 | | 33 492 | | | | | 3 | 0 | 03 |
| 08 | 0010 | 08 80 | | 35 008 | | | | | 3 | 0 | 03 |
| 08 | 0015 | 07 19 | | 34 939 | | | | | 3 | 0 | 03 |
| 08 | 0020 | 07 02 | | 34 916 | | | | | 3 | 0 | 03 |
| 08 | 0030 | 07 01 | | 34 921 | | | | | 3 | 0 | 03 |

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|----|----|------|-------|---|-------|-------|-------|--|---|---|-----|
| 77 | 11 | 0266 | 57 55 | 0 | 09 31 | 63 06 | 17 09 | | 2 | 7 | 3 9 |
| | | 0125 | 16 | | | 23 16 | 005 | | | | |

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|----|------|-------|--|--------|--|--|--|--|---|---|----|
| 09 | 0000 | 15 41 | | 25 336 | | | | | 3 | 0 | 03 |
| 09 | 0005 | 15 44 | | 25 285 | | | | | 3 | 0 | 03 |
| 09 | 0010 | 09 35 | | 34 864 | | | | | 3 | 0 | 03 |
| 09 | 0015 | 08 62 | | 35 078 | | | | | 3 | 0 | 03 |
| 09 | 0020 | 07 36 | | 35 023 | | | | | 3 | 0 | 03 |
| 09 | 0030 | 07 25 | | 35 151 | | | | | 3 | 0 | 03 |
| 09 | 0040 | 07 00 | | 35 187 | | | | | 3 | 0 | 03 |
| 09 | 0050 | 05 99 | | 35 165 | | | | | 3 | 0 | 03 |
| 09 | 0060 | 05 77 | | 35 145 | | | | | 3 | 0 | 03 |
| 09 | 0070 | 05 79 | | 35 140 | | | | | 3 | 0 | 03 |
| 09 | 0080 | 05 81 | | 35 142 | | | | | 3 | 0 | 03 |
| 09 | 0090 | 05 75 | | 35 143 | | | | | 3 | 0 | 03 |
| 09 | 0100 | 05 75 | | 35 140 | | | | | 3 | 0 | 03 |

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|----|----|------|-------|---|-------|-------|-------|--|---|---|-----|
| 77 | 11 | 0267 | 58 01 | 0 | 09 21 | 63 06 | 17 12 | | 2 | 8 | 3 9 |
| | | 0475 | 15 | | | 25 18 | 000 | | | | |

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|----|------|-------|--|--------|--|--|--|--|---|---|----|
| 12 | 0000 | 16 20 | | 24 293 | | | | | 3 | 0 | 03 |
| 12 | 0005 | 11 17 | | 30 523 | | | | | 3 | 0 | 03 |
| 12 | 0010 | 05 93 | | 33 407 | | | | | 3 | 0 | 03 |
| 12 | 0015 | 05 59 | | 34 180 | | | | | 3 | 0 | 03 |
| 12 | 0020 | 05 58 | | 34 364 | | | | | 3 | 0 | 03 |
| 12 | 0030 | 05 99 | | 34 613 | | | | | 3 | 0 | 03 |
| 12 | 0040 | 06 03 | | 34 727 | | | | | 3 | 0 | 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0-N+E | 1-N+W | 2-S+E | 3-S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | -Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |

77 11 0267

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 12 | 0050 | 06 | 08 | | 34 | 822 | | | | | | 3 | 0 | 03 | | |
| 12 | 0060 | 05 | 24 | | 34 | 796 | | | | | | 3 | 0 | 03 | | |
| 12 | 0070 | 05 | 51 | | 34 | 858 | | | | | | 3 | 0 | 03 | | |
| 12 | 0080 | 05 | 44 | | 34 | 908 | | | | | | 3 | 0 | 03 | | |
| 12 | 0090 | 05 | 32 | | 34 | 913 | | | | | | 3 | 0 | 03 | | |
| 12 | 0100 | 05 | 13 | | 34 | 939 | | | | | | 3 | 0 | 03 | | |
| 12 | 0150 | 04 | 99 | | 35 | 012 | | | | | | 3 | 0 | 03 | | |
| 12 | 0200 | 04 | 76 | | 35 | 017 | | | | | | 3 | 0 | 03 | | |
| 12 | 0300 | 04 | 45 | | 35 | 004 | | | | | | 3 | 0 | 03 | | |
| 12 | 0400 | 04 | 28 | | 35 | 026 | | | | | | 3 | 0 | 03 | | |
| 12 | 0450 | 04 | 30 | | 35 | 026 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0268 | 58 | 08 | 0 | 09 | 11 | 63 | 06 | 17 | 14 | 2 | 7 | 3 | 9 | |
| | | 0660 | 15 | | | | | 23 | 16 | | 000 | | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 14 | 0000 | 16 | 24 | | 22 | 324 | | | | | | 3 | 0 | 03 | | |
| 14 | 0005 | 15 | 86 | | 22 | 659 | | | | | | 3 | 0 | 03 | | |
| 14 | 0010 | 06 | 61 | | 33 | 051 | | | | | | 3 | 0 | 03 | | |
| 14 | 0015 | 05 | 28 | | 33 | 832 | | | | | | 3 | 0 | 03 | | |
| 14 | 0020 | 05 | 84 | | 34 | 264 | | | | | | 3 | 0 | 03 | | |
| 14 | 0030 | 05 | 76 | | 34 | 627 | | | | | | 3 | 0 | 03 | | |
| 14 | 0040 | 05 | 98 | | 34 | 788 | | | | | | 3 | 0 | 03 | | |
| 14 | 0050 | 05 | 79 | | 34 | 818 | | | | | | 3 | 0 | 03 | | |
| 14 | 0060 | 06 | 00 | | 34 | 908 | | | | | | 3 | 0 | 03 | | |
| 14 | 0070 | 06 | 36 | | 35 | 039 | | | | | | 3 | 0 | 03 | | |
| 14 | 0080 | 06 | 22 | | 34 | 996 | | | | | | 3 | 0 | 03 | | |
| 14 | 0090 | 06 | 43 | | 35 | 077 | | | | | | 3 | 0 | 03 | | |
| 14 | 0100 | 06 | 36 | | 35 | 077 | | | | | | 3 | 0 | 03 | | |
| 14 | 0150 | 05 | 49 | | 35 | 013 | | | | | | 3 | 0 | 03 | | |
| 14 | 0200 | 05 | 19 | | 35 | 030 | | | | | | 3 | 0 | 03 | | |
| 14 | 0300 | 04 | 46 | | 34 | 996 | | | | | | 3 | 0 | 03 | | |
| 14 | 0400 | 04 | 26 | | 35 | 000 | | | | | | 3 | 0 | 03 | | |
| 14 | 0500 | 04 | 24 | | 35 | 029 | | | | | | 3 | 0 | 03 | | |
| 14 | 0650 | 04 | 12 | | 35 | 020 | | | | | | 3 | 0 | 03 | | |

| | | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0269 | 58 | 15 | 0 | 09 | 01 | 63 | 06 | 17 | 16 | 1 | 3 | 3 | 9 | |
| | | 0400 | 15 | | | | | 23 | 16 | | 007 | | | | | |

| | | | | | | | | | | | | | | | | |
|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 16 | 0000 | 14 | 25 | | 24 | 352 | | | | | | 3 | 0 | 03 | | |
| 16 | 0005 | 14 | 17 | | 24 | 390 | | | | | | 3 | 0 | 03 | | |
| 16 | 0010 | 07 | 32 | | 31 | 606 | | | | | | 3 | 0 | 03 | | |
| 16 | 0015 | 06 | 09 | | 32 | 820 | | | | | | 3 | 0 | 03 | | |
| 16 | 0020 | 05 | 66 | | 33 | 746 | | | | | | 3 | 0 | 03 | | |
| 16 | 0030 | 05 | 54 | | 34 | 214 | | | | | | 3 | 0 | 03 | | |
| 16 | 0040 | 05 | 60 | | 34 | 498 | | | | | | 3 | 0 | 03 | | |
| 16 | 0050 | 05 | 78 | | 34 | 721 | | | | | | 3 | 0 | 03 | | |
| 16 | 0060 | 05 | 78 | | 34 | 826 | | | | | | 3 | 0 | 03 | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|---------|------|-------------------|----------------|----------------|----|----------------|------------|----|---------|------------|------|---------------------|------------|---------------|--------------|-----------|
| | | | 0 | ' | '' | 0 | ' | '' | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | -Wind | | | Mixed layer depth m | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| | | Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code |
| | | | | ↓ | | | ↓ | | | ↓ | ↓ | ↓ | ↓ | | | |

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| | | | | | | | | | | | | | | | |
|----|------|----|----|--|--|----|-----|--|--|--|--|--|---|---|----|
| 16 | 0070 | 05 | 79 | | | 34 | 887 | | | | | | 3 | 0 | 03 |
| 16 | 0080 | 06 | 26 | | | 34 | 970 | | | | | | 3 | 0 | 03 |
| 16 | 0090 | 06 | 44 | | | 35 | 034 | | | | | | 3 | 0 | 03 |
| 16 | 0100 | 06 | 19 | | | 35 | 032 | | | | | | 3 | 0 | 03 |
| 16 | 0125 | 05 | 61 | | | 34 | 991 | | | | | | 3 | 0 | 03 |
| 16 | 0150 | 04 | 96 | | | 35 | 005 | | | | | | 3 | 0 | 03 |
| 16 | 0200 | 04 | 97 | | | 34 | 994 | | | | | | 3 | 0 | 03 |
| 16 | 0300 | 04 | 79 | | | 35 | 039 | | | | | | 3 | 0 | 03 |
| 16 | 0375 | 04 | 84 | | | 35 | 053 | | | | | | 3 | 0 | 03 |

77 11 0270 58 18 0 08 57 63 06 17 18 1 1 3 9
0385 14 23 16 000

| | | | | | | | | | | | | | | | |
|----|------|----|----|--|--|----|-----|--|--|--|--|--|---|----|----|
| 19 | 0000 | 13 | 43 | | | 25 | 630 | | | | | | 3 | 0 | 03 |
| 19 | 0005 | 09 | 59 | | | 29 | 904 | | | | | | 3 | 0 | 03 |
| 19 | 0010 | 07 | 05 | | | 32 | 013 | | | | | | 3 | 0 | 03 |
| 19 | 0015 | 05 | 92 | | | 33 | 561 | | | | | | 3 | 0 | 03 |
| 19 | 0020 | 05 | 42 | | | 34 | 031 | | | | | | 3 | 0 | 03 |
| 19 | 0030 | 05 | 48 | | | 34 | 451 | | | | | | 3 | 0 | 03 |
| 19 | 0040 | 06 | 11 | | | 34 | 731 | | | | | | 3 | 0 | 03 |
| 19 | 0050 | 06 | 84 | | | 34 | 972 | | | | | | 3 | 0 | 03 |
| 19 | 0060 | 06 | 89 | | | 35 | 031 | | | | | | 3 | 0 | 03 |
| 19 | 0070 | 06 | 51 | | | 35 | 014 | | | | | | 3 | 0 | 03 |
| 18 | 0080 | 06 | 12 | | | 34 | 985 | | | | | | 3 | 0 | 03 |
| 18 | 0090 | 05 | 95 | | | 35 | 000 | | | | | | 3 | 0 | 03 |
| 18 | 0100 | 06 | 06 | | | 35 | 050 | | | | | | 3 | 0 | 03 |
| 18 | 0125 | 05 | 97 | | | 35 | 070 | | | | | | 3 | 0 | 03 |
| 18 | 0150 | 05 | 63 | | | 35 | 048 | | | | | | 3 | 0 | 03 |
| 18 | 0200 | 04 | 96 | | | 35 | 037 | | | | | | 3 | 0 | 03 |
| 18 | 0300 | 04 | 91 | | | 35 | 056 | | | | | | 3 | 0 | 03 |
| 18 | 0350 | 04 | 95 | | | | | | | | | | 0 | 03 | |

77 11 0271 58 21 0 08 52 63 06 17 20 1 2 2 9
0225 11 23 16 008

| | | | | | | | | | | | | | | | |
|----|------|----|----|--|--|----|-----|--|--|--|--|--|---|---|----|
| 20 | 0000 | 08 | 42 | | | 31 | 624 | | | | | | 3 | 0 | 03 |
| 20 | 0005 | 08 | 36 | | | 31 | 646 | | | | | | 3 | 0 | 03 |
| 20 | 0010 | 08 | 20 | | | 31 | 685 | | | | | | 3 | 0 | 03 |
| 20 | 0015 | 06 | 00 | | | 33 | 513 | | | | | | 3 | 0 | 03 |
| 20 | 0020 | 05 | 74 | | | 33 | 976 | | | | | | 3 | 0 | 03 |
| 20 | 0030 | 05 | 66 | | | 34 | 324 | | | | | | 3 | 0 | 03 |
| 20 | 0040 | 05 | 67 | | | 34 | 628 | | | | | | 3 | 0 | 03 |
| 20 | 0050 | 05 | 65 | | | 34 | 664 | | | | | | 3 | 0 | 03 |
| 20 | 0060 | 05 | 67 | | | 34 | 731 | | | | | | 3 | 0 | 03 |
| 20 | 0070 | 05 | 79 | | | 34 | 877 | | | | | | 3 | 0 | 03 |
| 20 | 0080 | 05 | 76 | | | 34 | 914 | | | | | | 3 | 0 | 03 |
| 20 | 0090 | 05 | 58 | | | 34 | 935 | | | | | | 3 | 0 | 03 |

| Country | Ship | Station number | Latitude | | Longitude | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|---------|--------|------------|---------------------|-------------|--------------|--------------|-----|
| | | | 1:N+W | 2:S+E | | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | Wind | | | | | | |
| | | | Dry ↓ | bulb | Wet ↓ | bulb | Dir. | Speed kn. | Mixed layer depth m | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |

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| | | | | | | | | | | | | | | |
|----|------|----|----|----|-----|--|--|--|--|--|--|---|---|----|
| 20 | 0115 | 05 | 34 | 34 | 980 | | | | | | | 3 | 0 | 03 |
| 20 | 0140 | 05 | 33 | 35 | 022 | | | | | | | 3 | 0 | 03 |
| 20 | 0190 | 04 | 92 | 35 | 000 | | | | | | | 3 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0285 | 57 | 14 | 0 | 08 | 27 | 63 | 06 | 18 | 18 | 2 | 8 | 2 | 9 |
| | | 0025 | 15 | 0 | | | | 14 | 08 | | 004 | | | | |

| | | | | | | | | | | | | | | |
|----|------|----|----|----|-----|--|--|--|--|--|--|---|---|----|
| 18 | 0000 | 12 | 93 | 30 | 482 | | | | | | | 3 | 0 | 03 |
| 18 | 0005 | 12 | 64 | 30 | 959 | | | | | | | 3 | 0 | 03 |
| 18 | 0010 | 07 | 21 | 34 | 496 | | | | | | | 3 | 0 | 03 |
| 18 | 0015 | 06 | 73 | 34 | 648 | | | | | | | 3 | 0 | 03 |
| 18 | 0020 | 06 | 76 | 34 | 677 | | | | | | | 3 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0286 | 57 | 21 | 0 | 08 | 18 | 63 | 06 | 18 | 19 | 6 | 8 | 2 | 9 |
| | | 0040 | 13 | 0 | | | | 07 | 08 | | 004 | | | | |

| | | | | | | | | | | | | | | |
|----|------|----|----|----|-----|--|--|--|--|--|--|---|---|----|
| 19 | 0000 | 12 | 99 | 30 | 138 | | | | | | | 3 | 0 | 03 |
| 19 | 0005 | 11 | 99 | 31 | 502 | | | | | | | 3 | 0 | 03 |
| 19 | 0010 | 11 | 57 | 34 | 592 | | | | | | | 3 | 0 | 03 |
| 19 | 0015 | 08 | 25 | 34 | 926 | | | | | | | 3 | 0 | 03 |
| 19 | 0020 | 06 | 81 | 34 | 948 | | | | | | | 3 | 0 | 03 |
| 19 | 0030 | 05 | 71 | 34 | 953 | | | | | | | 3 | 0 | 03 |
| 19 | 0035 | 05 | 69 | 34 | 954 | | | | | | | 3 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0287 | 57 | 28 | 0 | 08 | 08 | 63 | 06 | 18 | 21 | 6 | 8 | 3 | 9 |
| | | 0100 | 13 | | | | | 07 | 10 | | 000 | | | | |

| | | | | | | | | | | | | | | |
|----|------|----|----|----|-----|--|--|--|--|--|--|---|---|----|
| 21 | 0000 | 12 | 8 | 31 | 1 | | | | | | | 4 | 0 | 03 |
| 21 | 0005 | 12 | 5 | 31 | 1 | | | | | | | 4 | 0 | 03 |
| 21 | 0010 | 10 | 6 | 35 | 1 | | | | | | | 4 | 0 | 03 |
| 21 | 0015 | 09 | 2 | 35 | 1 | | | | | | | 4 | 0 | 03 |
| 21 | 0020 | 08 | 3 | 35 | 1 | | | | | | | 4 | 0 | 03 |
| 21 | 0030 | 07 | 53 | 35 | 183 | | | | | | | 3 | 0 | 03 |
| 21 | 0040 | 06 | 93 | 35 | 189 | | | | | | | 3 | 0 | 03 |
| 21 | 0050 | 05 | 67 | 35 | 135 | | | | | | | 3 | 0 | 03 |
| 21 | 0060 | 05 | 72 | 35 | 134 | | | | | | | 3 | 0 | 03 |
| 21 | 0070 | 05 | 73 | 35 | 132 | | | | | | | 3 | 0 | 03 |
| 21 | 0080 | 05 | 65 | 35 | 134 | | | | | | | 3 | 0 | 03 |
| 21 | 0090 | 05 | 71 | 35 | 129 | | | | | | | 3 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0288 | 57 | 35 | 0 | 07 | 59 | 63 | 06 | 18 | 22 | 6 | 8 | 3 | 9 |
| | | 0210 | 13 | | | | | 16 | 14 | | 000 | | | | |

| | | | | | | | | | | | | | | |
|----|------|----|---|----|---|--|--|--|--|--|--|---|---|----|
| 22 | 0000 | 14 | 0 | 27 | 3 | | | | | | | 4 | 0 | 03 |
| 22 | 0005 | 14 | 0 | 27 | 3 | | | | | | | 4 | 0 | 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|-------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |
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| | | | | | | | | | | | | | | | | |
|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 22 | 0010 | 11 | 4 | | 34 | 8 | | | | | | 4 | 0 | 03 | | |
| 22 | 0015 | 09 | 4 | | 35 | 0 | | | | | | 4 | 0 | 03 | | |
| 22 | 0020 | 08 | 1 | | 35 | 0 | | | | | | 4 | 0 | 03 | | |
| 22 | 0030 | 07 | 7 | | 35 | 0 | | | | | | 4 | 0 | 03 | | |
| 22 | 0040 | 07 | 3 | | 35 | 0 | | | | | | 4 | 0 | 03 | | |
| 22 | 0050 | 07 | 18 | | 35 | 161 | | | | | | 3 | 0 | 03 | | |
| 22 | 0060 | 06 | 82 | | 35 | 161 | | | | | | 3 | 0 | 03 | | |
| 22 | 0070 | 06 | 76 | | 35 | 183 | | | | | | 3 | 0 | 03 | | |
| 22 | 0080 | 06 | 44 | | 35 | 184 | | | | | | 3 | 0 | 03 | | |
| 22 | 0090 | 06 | 30 | | 35 | 187 | | | | | | 3 | 0 | 03 | | |
| 22 | 0100 | 06 | 35 | | 35 | 211 | | | | | | 3 | 0 | 03 | | |
| 22 | 0125 | 06 | 01 | | 35 | 214 | | | | | | 3 | 0 | 03 | | |
| 22 | 0150 | 05 | 85 | | 35 | 227 | | | | | | 3 | 0 | 03 | | |
| 22 | 0200 | 05 | 88 | | 35 | 230 | | | | | | 3 | 0 | 03 | | |

77 11 0289 57 42 0 07 42 63 06 19 00 2 8 3 9
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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 00 | 0000 | 14 | 6 | | 25 | 5 | | | | | | 4 | 0 | 03 | | |
| 00 | 0005 | 07 | 4 | | 31 | 5 | | | | | | 4 | 0 | 03 | | |
| 00 | 0010 | 06 | 0 | | 32 | 9 | | | | | | 4 | 0 | 03 | | |
| 00 | 0015 | 05 | 0 | | 33 | 7 | | | | | | 4 | 0 | 03 | | |
| 00 | 0020 | 05 | 1 | | 33 | 9 | | | | | | 4 | 0 | 03 | | |
| 00 | 0030 | 05 | 4 | | 34 | 4 | | | | | | 4 | 0 | 03 | | |
| 00 | 0040 | 05 | 5 | | 34 | 7 | | | | | | 4 | 0 | 03 | | |
| 00 | 0050 | 05 | 6 | | 34 | 8 | | | | | | 4 | 0 | 03 | | |
| 00 | 0056 | 05 | 58 | | 34 | 864 | | | | | | 3 | 0 | 03 | | |
| 00 | 0066 | 05 | 80 | | 34 | 933 | | | | | | 3 | 0 | 03 | | |
| 00 | 0075 | 05 | 90 | | 35 | 000 | | | | | | 3 | 0 | 03 | | |
| 00 | 0085 | 05 | 68 | | 35 | 000 | | | | | | 3 | 0 | 03 | | |
| 00 | 0094 | 05 | 54 | | 35 | 006 | | | | | | 3 | 0 | 03 | | |
| 00 | 0117 | 05 | 39 | | 35 | 024 | | | | | | 3 | 0 | 03 | | |
| 00 | 0141 | 05 | 39 | | 35 | 038 | | | | | | 3 | 0 | 03 | | |
| 00 | 0188 | 04 | 89 | | 35 | 014 | | | | | | 3 | 0 | 03 | | |
| 00 | 0282 | 04 | 48 | | 35 | 022 | | | | | | 3 | 0 | 03 | | |
| 00 | 0329 | 04 | 32 | | 35 | 009 | | | | | | 3 | 0 | 03 | | |

77 11 0291 57 51 0 07 39 63 06 19 03 2 8 3 9
0500 13 18 16 000

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|----|------|----|---|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 03 | 0000 | 14 | 4 | | 25 | 6 | | | | | | 4 | 0 | 03 | | |
| 03 | 0005 | 06 | 9 | | 32 | 0 | | | | | | 4 | 0 | 03 | | |
| 03 | 0010 | 06 | 0 | | 33 | 4 | | | | | | 4 | 0 | 03 | | |
| 03 | 0015 | 05 | 5 | | 33 | 75 | | | | | | 4 | 0 | 03 | | |
| 03 | 0020 | 05 | 4 | | 34 | 0 | | | | | | 4 | 0 | 03 | | |
| 03 | 0030 | 05 | 4 | | 34 | 2 | | | | | | 4 | 0 | 03 | | |
| 03 | 0040 | 06 | 0 | | 34 | 6 | | | | | | 4 | 0 | 03 | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|------------|-----------|-------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |
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|----|------|----|----|----|-----|--|--|--|--|--|--|---|---|----|--|--|
| 03 | 0050 | 06 | 0 | 34 | 75 | | | | | | | 4 | 0 | 03 | | |
| 03 | 0058 | 06 | 61 | 34 | 778 | | | | | | | 3 | 0 | 03 | | |
| 03 | 0068 | 05 | 86 | 34 | 776 | | | | | | | 3 | 0 | 03 | | |
| 03 | 0077 | 05 | 71 | 34 | 839 | | | | | | | 3 | 0 | 03 | | |
| 03 | 0087 | 05 | 41 | 34 | 837 | | | | | | | 3 | 0 | 03 | | |
| 03 | 0097 | 05 | 37 | 34 | 839 | | | | | | | 3 | 0 | 03 | | |
| 03 | 0121 | 05 | 69 | 34 | 974 | | | | | | | 3 | 0 | 03 | | |
| 03 | 0145 | 05 | 90 | 35 | 047 | | | | | | | 3 | 0 | 03 | | |
| 03 | 0193 | 05 | 83 | 35 | 018 | | | | | | | 3 | 0 | 03 | | |
| 03 | 0290 | 04 | 67 | 35 | 000 | | | | | | | 3 | 0 | 03 | | |
| 03 | 0435 | 04 | 21 | 34 | 980 | | | | | | | 3 | 0 | 03 | | |

77 11 0292 57 55 0 07 34 63 06 19 05 2 8 3 9
0410 13 18 26 007

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|----|------|----|----|----|-----|--|--|--|--|--|--|---|---|----|--|--|
| 05 | 0000 | 11 | 9 | 28 | 5 | | | | | | | 4 | 0 | 03 | | |
| 05 | 0005 | 09 | 7 | 32 | 4 | | | | | | | 4 | 0 | 03 | | |
| 05 | 0010 | 05 | 8 | 33 | 6 | | | | | | | 4 | 0 | 03 | | |
| 05 | 0015 | 05 | 6 | 34 | 2 | | | | | | | 4 | 0 | 03 | | |
| 05 | 0020 | 05 | 7 | 34 | 3 | | | | | | | 4 | 0 | 03 | | |
| 05 | 0030 | 06 | 1 | 34 | 5 | | | | | | | 4 | 0 | 03 | | |
| 05 | 0040 | 06 | 4 | 34 | 7 | | | | | | | 4 | 0 | 03 | | |
| 05 | 0050 | 06 | 8 | 34 | 8 | | | | | | | 4 | 0 | 03 | | |
| 05 | 0055 | 06 | 81 | 34 | 889 | | | | | | | 3 | 0 | 03 | | |
| 05 | 0065 | 05 | 65 | 34 | 787 | | | | | | | 3 | 0 | 03 | | |
| 05 | 0074 | 05 | 51 | 34 | 828 | | | | | | | 3 | 0 | 03 | | |
| 05 | 0083 | 05 | 48 | 34 | 847 | | | | | | | 3 | 0 | 03 | | |
| 05 | 0092 | 05 | 60 | 34 | 900 | | | | | | | 3 | 0 | 03 | | |
| 05 | 0115 | 05 | 59 | 34 | 930 | | | | | | | 3 | 0 | 03 | | |
| 05 | 0139 | 05 | 66 | 34 | 958 | | | | | | | 3 | 0 | 03 | | |
| 05 | 0185 | 05 | 82 | 35 | 035 | | | | | | | 3 | 0 | 03 | | |
| 05 | 0324 | 04 | 81 | 35 | 001 | | | | | | | 3 | 0 | 03 | | |

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0052 14 00 00 009

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|----|------|----|----|----|-----|--|--|--|--|--|--|---|---|----|--|--|
| 19 | 0000 | 15 | 30 | 28 | 246 | | | | | | | 3 | 0 | 03 | | |
| 19 | 0005 | 15 | 19 | 29 | 812 | | | | | | | 3 | 0 | 03 | | |
| 19 | 0010 | 14 | 99 | 31 | 209 | | | | | | | 3 | 0 | 03 | | |
| 19 | 0015 | 11 | 95 | 33 | 220 | | | | | | | 3 | 0 | 03 | | |
| 19 | 0020 | 11 | 24 | 33 | 463 | | | | | | | 3 | 0 | 03 | | |
| 19 | 0030 | 09 | 46 | 33 | 810 | | | | | | | 3 | 0 | 03 | | |
| 19 | 0040 | 07 | 68 | 34 | 118 | | | | | | | 3 | 0 | 03 | | |
| 19 | 0045 | 07 | 53 | 34 | 211 | | | | | | | 3 | 0 | 03 | | |

77 11 0294 57 50 0 11 04 63 06 19 21 2 7 2 9
0048 14 16 06 009

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|-----------|--------|------------|---------------|-------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 1:N+W | 2:S+E | 3:S+W | 1 | 2 | 3 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | Wind | | | | Mixed layer depth m | | | | | |
| | | | Dry ↓ | bulb | Wet ↓ | bulb | Dir. | Speed kn. | | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml / l | Oxygen | Saturat. % | Salin. method | Extra info. | Code | | | | | |
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| 21 0000 | 14 08 | | 27 831 | | | | | | | | 3 0 03 | | | | |
| 21 0005 | 14 04 | | 28 484 | | | | | | | | 3 0 03 | | | | |
| 21 0010 | 15 12 | | 33 064 | | | | | | | | 3 0 03 | | | | |
| 21 0015 | 10 73 | | 33 084 | | | | | | | | 3 0 03 | | | | |
| 21 0020 | 10 23 | | 33 656 | | | | | | | | 3 0 03 | | | | |
| 21 0030 | 07 45 | | 34 282 | | | | | | | | 3 0 03 | | | | |
| 21 0040 | 07 00 | | 34 519 | | | | | | | | 3 0 03 | | | | |

77 11 0295 57 52 0 11 18 63 06 19 22 2 7 2 9
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|---------|-------|--|--------|--|--|--|--|--|--|--|--------|--|--|--|--|
| 22 0000 | 15 38 | | 26 258 | | | | | | | | 3 0 03 | | | | |
| 22 0005 | 15 32 | | 28 321 | | | | | | | | 3 0 03 | | | | |
| 22 0010 | 15 37 | | 29 106 | | | | | | | | 3 0 03 | | | | |
| 22 0015 | 15 23 | | 29 302 | | | | | | | | 3 0 03 | | | | |
| 22 0020 | 13 60 | | 32 854 | | | | | | | | 3 0 03 | | | | |
| 22 0030 | 10 53 | | 33 767 | | | | | | | | 3 0 03 | | | | |
| 22 0040 | 07 00 | | 34 817 | | | | | | | | 3 0 03 | | | | |
| 22 0050 | 06 24 | | 34 872 | | | | | | | | 3 0 03 | | | | |
| 22 0060 | 06 14 | | 34 890 | | | | | | | | 3 0 03 | | | | |
| 22 0070 | 06 11 | | 34 890 | | | | | | | | 3 0 03 | | | | |
| 22 0080 | 05 96 | | 34 899 | | | | | | | | 3 0 03 | | | | |
| 22 0090 | 05 89 | | 34 904 | | | | | | | | 3 0 03 | | | | |

77 11 0296 57 53 0 11 25 63 06 19 23 2 7 1 9
0055 13 5 09 08 012

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|---------|-------|--|--------|--|--|--|--|--|--|--|--------|--|--|--|--|
| 23 0000 | 15 23 | | 26 712 | | | | | | | | 3 0 03 | | | | |
| 23 0005 | 15 20 | | 26 692 | | | | | | | | 3 0 03 | | | | |
| 23 0010 | 15 45 | | 27 776 | | | | | | | | 3 0 03 | | | | |
| 23 0015 | 14 13 | | 30 685 | | | | | | | | 3 0 03 | | | | |
| 23 0020 | 10 54 | | 32 394 | | | | | | | | 3 0 03 | | | | |
| 23 0030 | 06 94 | | 33 958 | | | | | | | | 3 0 03 | | | | |
| 23 0040 | 06 06 | | 34 443 | | | | | | | | 3 0 03 | | | | |
| 23 0050 | 05 76 | | 34 646 | | | | | | | | 3 0 03 | | | | |

77 11 0321 58 25 0 11 40 63 06 26 08 6 8 0 9
0037 14 09 10 000

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|---------|-------|--|--------|--|--|--|--|--|--|--|--------|--|--|--|--|
| 08 0000 | 17 13 | | 14 939 | | | | | | | | 3 3 03 | | | | |
| 08 0005 | 17 01 | | 22 157 | | | | | | | | 3 3 03 | | | | |
| 08 0010 | 15 48 | | 24 704 | | | | | | | | 3 3 03 | | | | |
| 08 0015 | 12 99 | | 29 008 | | | | | | | | 3 3 03 | | | | |
| 08 0020 | 09 93 | | 30 037 | | | | | | | | 3 3 03 | | | | |
| 08 0030 | 04 58 | | 32 228 | | | | | | | | 3 3 03 | | | | |
| 08 0035 | 05 25 | | 33 716 | | | | | | | | 3 3 03 | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|---------------|-------------------|----------------|-------|------------|----------------|-----|------------|---------|-----------|-------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | depth m | | | | | |
| Obs. time | Obs. depth in | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
| | | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | |
| 77 | 11 | 0322 | 58 | 24 | 0 | 11 | 38 | 63 | 06 | 26 | 09 | 6 | 8 | 0 | 9 | |
| | | 0068 | 14 | | | | | 09 | 10 | | 005 | | | | | |
| | 09 | 0000 | 17 | 29 | | 19 | 220 | | | | | 3 | 3 | 03 | | |
| | 09 | 0005 | 16 | 89 | | 22 | 422 | | | | | 3 | 3 | 03 | | |
| | 09 | 0010 | 14 | 96 | | 25 | 003 | | | | | 3 | 3 | 03 | | |
| | 09 | 0015 | 12 | 33 | | 29 | 215 | | | | | 3 | 3 | 03 | | |
| | 09 | 0020 | 09 | 41 | | 30 | 980 | | | | | 3 | 3 | 03 | | |
| | 09 | 0030 | 04 | 73 | | 32 | 510 | | | | | 3 | 3 | 03 | | |
| | 09 | 0040 | 05 | 71 | | 34 | 165 | | | | | 3 | 3 | 03 | | |
| | 09 | 0050 | 05 | 75 | | 34 | 438 | | | | | 3 | 3 | 03 | | |
| | 09 | 0060 | 05 | 96 | | 34 | 660 | | | | | 3 | 3 | 03 | | |
| 77 | 11 | 0323 | 58 | 19 | 0 | 11 | 33 | 63 | 06 | 26 | 10 | 6 | 8 | 0 | 9 | |
| | | 0120 | 13 | 5 | | | | 08 | 12 | | 008 | | | | | |
| | 10 | 0000 | 16 | 53 | | 22 | 644 | | | | | 3 | 3 | 03 | | |
| | 10 | 0005 | 16 | 47 | | 22 | 694 | | | | | 3 | 3 | 03 | | |
| | 10 | 0010 | 15 | 09 | | 26 | 232 | | | | | 3 | 3 | 03 | | |
| | 10 | 0015 | 12 | 26 | | 30 | 275 | | | | | 3 | 3 | 03 | | |
| | 10 | 0020 | 09 | 20 | | 31 | 794 | | | | | 3 | 3 | 03 | | |
| | 10 | 0030 | 05 | 91 | | 32 | 833 | | | 06 | 33 | 3 | 3 | 03 | | |
| | 10 | 0040 | 05 | 49 | | 34 | 110 | | | | | 3 | 3 | 03 | | |
| | 10 | 0050 | 05 | 81 | | 34 | 491 | | | 05 | 54 | 3 | 3 | 03 | | |
| | 10 | 0060 | 05 | 77 | | 34 | 607 | | | | | 3 | 3 | 03 | | |
| | 10 | 0070 | 06 | 03 | | 34 | 655 | | | 05 | 16 | 3 | 3 | 03 | | |
| | 10 | 0080 | 06 | 02 | | 34 | 689 | | | | | 3 | 3 | 03 | | |
| | 10 | 0090 | 05 | 98 | | 34 | 707 | | | 04 | 79 | 3 | 3 | 03 | | |
| | 10 | 0100 | 05 | 83 | | 34 | 708 | | | 04 | 80 | 3 | 3 | 03 | | |
| | 10 | 0110 | 05 | 78 | | 34 | 711 | | | 04 | 75 | 3 | 3 | 03 | | |
| 77 | 11 | 0324 | 58 | 16 | 0 | 11 | 29 | 63 | 06 | 26 | 12 | 6 | 8 | 1 | 9 | |
| | | 0060 | 13 | 5 | | | | 10 | 12 | | 004 | | | | | |
| | 12 | 0000 | 16 | 26 | | 23 | 567 | | | | | 3 | 3 | 03 | | |
| | 12 | 0005 | 15 | 69 | | 25 | 158 | | | | | 3 | 3 | 03 | | |
| | 12 | 0010 | 14 | 96 | | 27 | 094 | | | | | 3 | 3 | 03 | | |
| | 12 | 0015 | 12 | 84 | | 30 | 376 | | | | | 3 | 3 | 03 | | |
| | 12 | 0020 | 11 | 66 | | 31 | 522 | | | | | 3 | 3 | 03 | | |
| | 12 | 0030 | 06 | 38 | | 33 | 389 | | | | | 3 | 3 | 03 | | |
| | 12 | 0040 | 05 | 48 | | 33 | 631 | | | | | 3 | 3 | 03 | | |
| | 12 | 0050 | 05 | 63 | | 34 | 069 | | | | | 3 | 3 | 03 | | |
| | 12 | 0055 | 05 | 87 | | 34 | 295 | | | | | 3 | 3 | 03 | | |
| 77 | 11 | 0325 | 58 | 15 | 0 | 11 | 14 | 63 | 06 | 26 | 13 | 2 | 8 | 1 | 9 | |
| | | 0055 | 14 | | | | | 09 | 14 | | 006 | | | | | |
| | 13 | 0000 | 15 | 14 | | 26 | 091 | | | | | 3 | 3 | 03 | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|---------------------|------------------------------|-------------------------|-----------------|------------------------------|-------------|--------------------------|-----------------|---------------------|-------------|--------------|---------|--------------|--------------|-----|
| | | | 0 | 1:N+E 2:S+E 3:S+W | | | 0 | | | | | | | | | |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | | Temperature °C Wet ↓ bulb | | Wind Dir. Speed kn. | | Mixed layer depth m | | | | | | |
| Obs. time | Obs. depth m | Temperature °C ↓ | | | Salinity ‰ ↓ | σ_t ↓ | ml / l ↓ | Oxygen ↓ | Saturat. ‰ ↓ | Salin. method | Extra info. | Card code | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|
| 13 | 0005 | 15 | 11 | | 26 | 092 | | | | | | 3 | 3 | 03 |
| 13 | 0010 | 14 | 45 | | 27 | 680 | | | | | | 3 | 3 | 03 |
| 13 | 0015 | 13 | 65 | | 30 | 403 | | | | | | 3 | 3 | 03 |
| 13 | 0020 | 13 | 28 | | 31 | 312 | | | | | | 3 | 3 | 03 |
| 13 | 0030 | 11 | 76 | | 32 | 386 | | | | | | 3 | 3 | 03 |
| 13 | 0040 | 10 | 34 | | 33 | 092 | | | | | | 3 | 3 | 03 |
| 13 | 0050 | 08 | 48 | | 33 | 373 | | | | | | 3 | 3 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0326 | 58 | 19 | 0 | 11 | 22 | 63 | 06 | 26 | 14 | 6 | 8 | 1 | 9 |
| | | 0033 | 13 | | | | | 09 | 13 | | 005 | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|
| 14 | 0000 | 16 | 33 | | 24 | 047 | | | | | | 3 | 3 | 03 |
| 14 | 0005 | 16 | 34 | | 23 | 996 | | | | | | 3 | 3 | 03 |
| 14 | 0010 | 14 | 56 | | 28 | 215 | | | | | | 3 | 3 | 03 |
| 14 | 0015 | 13 | 37 | | 29 | 711 | | | | | | 3 | 3 | 03 |
| 14 | 0020 | 11 | 08 | | 31 | 534 | | | | | | 3 | 3 | 03 |
| 14 | 0030 | 09 | 15 | | 32 | 441 | | | | | | 3 | 3 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0327 | 58 | 22 | 0 | 11 | 26 | 63 | 06 | 26 | 15 | 6 | 8 | 0 | 9 |
| | | 0023 | 14 | | | | | 09 | 14 | | 003 | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|
| 15 | 0000 | 17 | 13 | | 22 | 515 | | | | | | 3 | 3 | 03 |
| 15 | 0005 | 16 | 67 | | 23 | 168 | | | | | | 3 | 3 | 03 |
| 15 | 0010 | 14 | 73 | | 27 | 509 | | | | | | 3 | 3 | 03 |
| 15 | 0015 | 12 | 15 | | 29 | 771 | | | | | | 3 | 3 | 03 |
| 15 | 0020 | 10 | 20 | | 31 | 627 | | | | | | 3 | 3 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0328 | 58 | 24 | 0 | 11 | 25 | 63 | 06 | 26 | 16 | 6 | 8 | 1 | 9 |
| | | 0017 | 14 | | | | | 09 | 14 | | 004 | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|
| 16 | 0000 | 17 | 23 | | 22 | 384 | | | | | | 3 | 3 | 03 |
| 16 | 0005 | 16 | 53 | | 24 | 100 | | | | | | 3 | 3 | 03 |
| 16 | 0010 | 14 | 82 | | 27 | 293 | | | | | | 3 | 3 | 03 |
| 16 | 0015 | 12 | 39 | | 29 | 790 | | | | | | 3 | 3 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0329 | 58 | 14 | 0 | 11 | 35 | 63 | 06 | 27 | 08 | 1 | 6 | 1 | 9 |
| | | 0040 | 14 | | | | | 25 | 18 | | 005 | | | | |

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|----|------|----|----|--|----|-----|--|--|--|----|----|---|---|----|
| 08 | 0000 | 14 | 20 | | 20 | 524 | | | | 06 | 60 | 3 | 3 | 03 |
| 08 | 0005 | 13 | 90 | | 20 | 580 | | | | | | 3 | 3 | 03 |
| 08 | 0010 | 09 | 70 | | 23 | 804 | | | | 04 | 76 | 3 | 3 | 03 |
| 08 | 0015 | 06 | 22 | | 28 | 063 | | | | 00 | 70 | 3 | 3 | 03 |
| 08 | 0020 | 05 | 37 | | 29 | 065 | | | | 00 | 09 | 3 | 3 | 03 |
| 08 | 0025 | 05 | 77 | | 29 | 366 | | | | 00 | 08 | 3 | 3 | 03 |
| 08 | 0030 | 05 | 79 | | 29 | 479 | | | | 00 | 18 | 3 | 3 | 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|------------|-----------|-------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |

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|------------|---------|-------|---|--|--------|--|--|-------|--|-------|--|-----|---------|--|--|
| 77 11 0329 | | | | | | | | | | | | | | | |
| | 08 0035 | 05 84 | | | 29 510 | | | | | 00 38 | | | 3 3 03 | | |
| 77 11 0330 | | 58 15 | 0 | | 11 38 | | | 63 06 | | 27 08 | | | 1 6 1 9 | | |
| | 0060 | 16 5 | | | | | | 25 20 | | | | 006 | | | |
| | 08 0000 | 14 23 | | | 20 499 | | | | | | | | 3 3 03 | | |
| | 08 0005 | 13 98 | | | 20 568 | | | | | | | | 3 3 03 | | |
| | 08 0010 | 08 33 | | | 23 066 | | | | | | | | 3 3 03 | | |
| | 08 0015 | 04 99 | | | 28 448 | | | | | | | | 3 3 03 | | |
| | 08 0020 | 05 57 | | | 29 263 | | | | | 00 26 | | | 3 3 03 | | |
| | 08 0030 | 05 77 | | | 29 463 | | | | | 00 55 | | | 3 3 03 | | |
| | 08 0040 | 05 70 | | | 29 504 | | | | | | | | 3 3 03 | | |
| | 08 0050 | 05 78 | | | 29 528 | | | | | 00 57 | | | 3 3 03 | | |
| 77 11 0331 | | 58 17 | 0 | | 11 41 | | | 63 06 | | 27 09 | | | 1 5 1 9 | | |
| | 0060 | 14 | | | | | | 25 24 | | | | 006 | | | |
| | 09 0000 | 15 69 | | | 20 044 | | | | | | | | 3 3 03 | | |
| | 09 0005 | 15 61 | | | 20 019 | | | | | | | | 3 3 03 | | |
| | 09 0010 | 12 92 | | | 20 866 | | | | | | | | 3 3 03 | | |
| | 09 0015 | 08 20 | | | 25 032 | | | | | | | | 3 3 03 | | |
| | 09 0020 | 05 58 | | | 28 581 | | | | | | | | 3 3 03 | | |
| | 09 0030 | 05 75 | | | 29 447 | | | | | | | | 3 3 03 | | |
| | 09 0040 | 05 70 | | | 29 508 | | | | | | | | 3 3 03 | | |
| | 09 0050 | 05 68 | | | 29 535 | | | | | | | | 3 3 03 | | |
| 77 11 0332 | | 58 19 | 0 | | 11 48 | | | 63 06 | | 27 10 | | | 1 6 1 9 | | |
| | 0035 | 14 | | | | | | 25 24 | | | | 007 | | | |
| | 10 0000 | 15 88 | | | 20 119 | | | | | | | | 3 3 03 | | |
| | 10 0005 | 15 89 | | | 20 131 | | | | | | | | 3 3 03 | | |
| | 10 0010 | 13 12 | | | 22 618 | | | | | 05 91 | | | 3 3 03 | | |
| | 10 0015 | 04 62 | | | 30 129 | | | | | 03 33 | | | 3 3 03 | | |
| | 10 0020 | 05 37 | | | 31 879 | | | | | 04 30 | | | 3 3 03 | | |
| | 10 0025 | 05 65 | | | 32 489 | | | | | 04 76 | | | 3 3 03 | | |
| | 10 0030 | 05 84 | | | 33 057 | | | | | 01 26 | | | 3 3 03 | | |
| 77 11 0333 | | 58 20 | 0 | | 11 53 | | | 63 06 | | 27 11 | | | 2 7 1 9 | | |
| | 0051 | 14 | | | | | | 25 24 | | | | 006 | | | |
| | 11 0000 | 16 18 | | | 19 264 | | | | | | | | 3 3 03 | | |
| | 11 0005 | 16 11 | | | 19 311 | | | | | 06 17 | | | 3 3 03 | | |
| | 11 0010 | 05 38 | | | 25 238 | | | | | 03 83 | | | 3 3 03 | | |
| | 11 0015 | 05 16 | | | 30 297 | | | | | 00 07 | | | 3 3 03 | | |
| | 11 0020 | 05 92 | | | 30 687 | | | | | 00 00 | | | 3 3 03 | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|---|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0 | 1 | 2 | 3 | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
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| 11 0030 | 05 76 | | | | 31 060 | | | | 00 00 | | | 3 3 03 | | | | |
| 11 0040 | 05 79 | | | | 31 148 | | | | 00 00 | | | 3 3 03 | | | | |

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| 77 11 0334 | 58 16 | 0 | | 11 49 | 63 06 | | | 27 12 | | | 1 5 1 9 | | | | | |
| 0026 | 16 | | | | 23 22 | | | 008 | | | | | | | | |

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| 12 0000 | 16 49 | | | 20 577 | | | | | | | 3 3 03 | | | | | |
| 12 0005 | 16 48 | | | 20 584 | | | | | | | 3 3 03 | | | | | |
| 12 0010 | 12 28 | | | 23 099 | | | | | | | 3 3 03 | | | | | |
| 12 0015 | 05 12 | | | 30 060 | | | | | | | 3 3 03 | | | | | |
| 12 0020 | 05 44 | | | 31 691 | | | | | | | 3 3 03 | | | | | |

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| 77 11 0335 | 58 11 | 0 | | 11 51 | 63 06 | | | 27 13 | | | 1 5 0 9 | | | | | |
| 0024 | 16 | | | | 23 20 | | | 000 | | | | | | | | |

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| 13 0000 | 16 47 | | | 21 738 | | | | | | | 3 3 03 | | | | | |
| 13 0005 | 16 46 | | | 21 726 | | | | | | | 3 3 03 | | | | | |
| 13 0010 | 15 54 | | | 22 433 | | | | | | | 3 3 03 | | | | | |
| 13 0015 | 06 18 | | | 29 086 | | | | | | | 3 3 03 | | | | | |
| 13 0020 | 05 69 | | | 31 679 | | | | | | | 3 3 03 | | | | | |

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| 77 11 0336 | 58 07 | 0 | | 11 50 | 63 06 | | | 27 14 | | | 1 4 0 9 | | | | | |
| 0020 | 16 | | | | 23 20 | | | 012 | | | | | | | | |

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| 14 0000 | 16 55 | | | 21 563 | | | | | | | 3 3 03 | | | | | |
| 14 0005 | 16 58 | | | 21 546 | | | | | | | 3 3 03 | | | | | |
| 14 0010 | 16 39 | | | 21 636 | | | | | | | 3 3 03 | | | | | |
| 14 0015 | 11 45 | | | 26 491 | | | | | | | 3 3 03 | | | | | |

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|------------|-------|---|--|-------|-------|--|--|-------|--|--|---------|--|--|--|--|--|
| 77 11 0337 | 58 04 | 0 | | 11 47 | 63 06 | | | 27 15 | | | 1 4 0 9 | | | | | |
| 0026 | 16 | | | | 23 20 | | | 008 | | | | | | | | |

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| 15 0000 | 16 54 | | | 21 003 | | | | 06 52 | | | 3 3 03 | | | | | |
| 15 0005 | 16 50 | | | 21 003 | | | | 06 28 | | | 3 3 03 | | | | | |
| 15 0010 | 16 45 | | | 21 287 | | | | 06 24 | | | 3 3 03 | | | | | |
| 15 0015 | 15 34 | | | 24 888 | | | | 05 44 | | | 3 3 03 | | | | | |
| 15 0022 | 07 01 | | | 30 410 | | | | 05 10 | | | 3 3 03 | | | | | |

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| 77 11 0338 | 57 59 | 0 | | 11 46 | 63 06 | | | 27 16 | | | 1 5 1 9 | | | | | |
| 0021 | 16 | | | | 25 20 | | | 011 | | | | | | | | |

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| 16 0000 | 16 30 | | | 21 098 | | | | | | | 3 3 03 | | | | | |
| 16 0005 | 16 27 | | | 21 097 | | | | | | | 3 3 03 | | | | | |
| 16 0010 | 16 28 | | | 21 096 | | | | | | | 3 3 03 | | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|---------|------|-------------------|----------------|----------------|----|----------------|------------|----|---------|------------|---------------------|--------------|------------|---------------|--------------|-----------|
| | | | 0 | ' | '' | 0 | ' | '' | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| | | Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml / l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code |

77 11 0338

16 0015 15 86 21 650 3 3 03
 16 0019 11 06 27 532 3 3 03

77 11 0339 57 55 0 11 36 63 06 27 17 1 6 2 9
 0058 15 25 20 012

17 0000 16 15 22 069 3 3 03
 17 0005 16 00 22 083 3 3 03
 17 0010 15 96 22 188 3 3 03
 17 0015 14 08 26 016 3 3 03
 17 0020 11 77 29 204 3 3 03
 17 0030 08 41 32 121 3 3 03
 17 0040 05 88 33 739 3 3 03
 17 0050 05 69 34 091 3 3 03

77 11 0340 57 54 0 11 32 63 06 27 18 1 5 2 9
 0035 14 5 25 20 010

18 0000 15 86 21 749 3 3 03
 18 0005 15 85 21 766 3 3 03
 18 0010 15 88 22 362 3 3 03
 18 0015 14 52 25 630 3 3 03
 18 0020 12 87 29 759 3 3 03
 18 0030 07 79 32 211 3 3 03

77 11 0341 57 53 0 11 25 63 06 27 19 1 4 3 9
 0055 13 25 24 005

19 0000 15 29 25 351 3 3 03
 19 0005 14 78 26 745 3 3 03
 19 0010 14 23 28 506 3 3 03
 19 0015 14 06 29 387 3 3 03
 19 0020 13 83 30 137 3 3 03
 19 0030 11 59 32 533 3 3 03
 19 0040 07 49 33 931 3 3 03
 19 0050 06 95 34 094 3 3 03

77 11 0342 57 52 0 11 18 63 06 27 20 1 3 3 9
 0100 13 25 20 000

20 0000 14 05 28 572 3 3 03
 20 0005 14 09 28 592 3 3 03
 20 0010 13 95 29 040 3 3 03
 20 0015 13 51 30 328 3 3 03
 20 0020 13 21 31 355 3 3 03

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |
| | | | | | | | | | | | | | | | | |

77 11 0342

| | | | |
|---------|-------|--------|--------|
| 20 0030 | 11 16 | 33 050 | 3 3 03 |
| 20 0040 | 10 08 | 33 497 | 3 3 03 |
| 20 0050 | 08 81 | 34 093 | 3 3 03 |
| 20 0060 | 08 59 | 34 350 | 3 3 03 |
| 20 0070 | 07 93 | 34 435 | 3 3 03 |
| 20 0080 | 05 88 | 34 581 | 3 3 03 |
| 20 0090 | 05 78 | 34 589 | 3 3 03 |

77 11 0343

| | | | | | |
|---------|---------|-------|-------|-------|---------|
| 0048 | 55 00 0 | 14 05 | 63 08 | 04 04 | 2 8 1 9 |
| | 19 | | 23 14 | | |
| 04 0000 | 19 40 | 07 53 | | 06 41 | 1 3 03 |
| 04 0005 | 19 45 | 07 53 | | 06 45 | 1 3 03 |
| 04 0010 | 19 43 | 07 53 | | 06 44 | 1 3 03 |
| 04 0015 | 18 29 | 07 29 | | 06 62 | 1 3 03 |
| 04 0020 | 16 85 | 07 73 | | 06 52 | 1 3 03 |
| 04 0030 | 08 28 | 08 83 | | 06 76 | 1 3 03 |
| 04 0040 | 12 20 | 15 81 | | 05 44 | 1 3 03 |
| 04 0045 | 10 96 | 19 31 | | 03 71 | 1 3 03 |

77 11 0344

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|---------|---------|-------|-------|-------|---------|
| 0052 | 55 20 0 | 14 25 | 63 08 | 05 07 | 2 8 1 9 |
| | 19 5 | | 29 06 | 008 | |
| 07 0000 | 19 00 | 07 67 | | 06 39 | 1 0 03 |
| 07 0005 | 19 05 | 07 67 | | 06 42 | 1 0 03 |
| 07 0010 | 18 99 | 07 74 | | 06 40 | 1 0 03 |
| 07 0015 | 14 02 | | | 06 74 | 0 03 |
| 07 0020 | 06 71 | | | 08 06 | 0 03 |
| 07 0030 | 03 33 | 07 86 | | 08 26 | 1 0 03 |
| 07 0040 | 02 84 | 07 95 | | 08 26 | 1 0 03 |
| 07 0050 | 09 36 | 20 63 | | 03 99 | 1 0 03 |

77 11 0345

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|---------|---------|-------|-------|-------|---------|
| 0051 | 55 31 0 | 14 30 | 63 08 | 05 10 | 2 7 1 9 |
| | 20 0 | | 34 08 | 005 | |
| 10 0000 | 18 5 | 07 6 | | | 4 0 03 |
| 10 0030 | 03 17 | 07 84 | | 08 40 | 1 0 03 |
| 10 0049 | 02 09 | 08 11 | | 08 17 | 1 0 03 |

77 11 0346

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|---------|---------|-------|-------|-------|---------|
| 0045 | 55 44 0 | 14 35 | 63 08 | 05 11 | 2 8 0 9 |
| | 20 | | 29 04 | 000 | |
| 11 0000 | 18 2 | 07 6 | | | 4 0 03 |
| 11 0030 | 02 55 | 07 84 | | 08 43 | 1 0 03 |
| 11 0040 | 02 40 | 07 89 | | 08 54 | 1 0 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|--------------|--------------|----------------------|------------------------------|---|-----------------|------------------------------|-----------|---------------------------|--------------------------|----------------|------------------------|-----------------|---------|-----------------|-----------------|-----|
| | | | 0 | 1 | 2 | 3 | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | | Temperature °C Wet ↓ bulb | | | Wind Dir. Speed kn. | | Mixed layer depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C ↓ | | | Salinity ‰ ↓ | σ_t ↓ | ml/l ↓ | Oxygen Saturat. % ↓ | Salin. method | Extra info. | Code code | | | | | |

77 11 0353

| | | | | | | | | | | | |
|---------|-------|--|--|-------|--|--|-------|--|--|--|--------|
| 03 0005 | 19 34 | | | 07 58 | | | 06 54 | | | | 1 0 03 |
| 03 0010 | 18 68 | | | 07 59 | | | 06 39 | | | | 1 0 03 |
| 03 0015 | 14 62 | | | 07 74 | | | 06 44 | | | | 1 0 03 |
| 03 0020 | 12 76 | | | 07 81 | | | 06 82 | | | | 1 0 03 |
| 03 0030 | 03 88 | | | 07 83 | | | 08 31 | | | | 1 0 03 |
| 03 0040 | 03 28 | | | 08 65 | | | 07 75 | | | | 1 0 03 |
| 03 0050 | 05 45 | | | 08 67 | | | 06 72 | | | | 1 0 03 |
| 03 0060 | 08 32 | | | 13 21 | | | 05 44 | | | | 1 0 03 |
| 03 0070 | 05 81 | | | 14 59 | | | 04 23 | | | | 1 0 03 |
| 03 0080 | 06 03 | | | 15 50 | | | 02 45 | | | | 1 0 03 |

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|------------|-------|---|-------|-------|--|-------|---------|
| 77 11 0354 | 55 38 | 0 | 15 18 | 63 08 | | 06 06 | 0 0 0 9 |
| 0075 | 19 | | | 05 04 | | 007 | |

| | | | | | | | |
|---------|-------|--|-------|--|-------|--|--------|
| 06 0000 | 19 3 | | 07 5 | | | | 4 0 03 |
| 06 0030 | 02 84 | | 08 37 | | 08 52 | | 1 0 03 |
| 06 0050 | 01 98 | | 10 22 | | 07 35 | | 1 0 03 |
| 06 0070 | 05 51 | | 15 17 | | 01 77 | | 1 0 03 |

| | | | | | | | |
|------------|-------|---|-------|-------|--|-------|---------|
| 77 11 0355 | 55 50 | 0 | 15 18 | 63 08 | | 06 07 | 0 0 0 9 |
| 0051 | 19 | | | 00 00 | | 006 | |

| | | | | | | | |
|---------|-------|--|-------|--|-------|--|--------|
| 07 0000 | 18 5 | | 07 5 | | | | 4 0 03 |
| 07 0030 | 04 26 | | 07 52 | | 08 58 | | 1 0 03 |
| 07 0050 | 02 39 | | 08 07 | | 08 06 | | 1 0 03 |

| | | | | | | | |
|------------|-------|---|-------|-------|--|-------|---------|
| 77 11 0356 | 56 00 | 0 | 15 18 | 63 08 | | 06 09 | 0 0 0 9 |
| 0043 | 19 | | | 00 00 | | 000 | |

| | | | | | | | |
|---------|-------|--|-------|--|-------|--|--------|
| 09 0000 | 18 0 | | 07 5 | | | | 4 0 03 |
| 09 0030 | 06 25 | | 07 54 | | 08 55 | | 1 0 03 |
| 09 0040 | 04 34 | | 07 67 | | 08 38 | | 1 0 03 |

| | | | | | | | |
|------------|-------|---|-------|-------|--|-------|---------|
| 77 11 0357 | 55 48 | 0 | 15 40 | 63 08 | | 06 12 | 0 0 0 9 |
| 0052 | 20 0 | | | 00 00 | | 000 | |

| | | | | | | | |
|---------|-------|--|-------|--|-------|--|--------|
| 12 0000 | 18 8 | | 07 5 | | | | 4 0 03 |
| 12 0030 | 03 73 | | 07 39 | | 08 59 | | 1 0 03 |
| 12 0050 | 02 33 | | 08 16 | | 07 90 | | 1 0 03 |

| | | | | | | | |
|------------|-------|---|-------|-------|--|-------|---------|
| 77 11 0358 | 55 35 | 0 | 15 38 | 63 08 | | 06 14 | 1 1 0 9 |
| 0073 | 20 | | | 14 04 | | 000 | |

| | | | | | | | |
|---------|------|--|------|--|--|--|--------|
| 14 0000 | 19 7 | | 07 6 | | | | 4 0 03 |
|---------|------|--|------|--|--|--|--------|

| Country | Ship | Station number | Latitude | | Longitude | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------------------------|------------|------------------------------|---------------------------|--------|------------|---------------|---------------------|--------------|--------------|-----|
| | | | 0-N+E 1-N+W 2-S+E 3-S+W | 0 | | | | | | | | | |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | Temperature °C Wet ↓ bulb | -Wind Dir. Speed kn. | | | | Mixed layer depth m | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |

77 11 0358

| | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|----|----|--|---|---|----|
| 14 | 0030 | 01 | 97 | | 08 | 26 | | 07 | 92 | | 1 | 0 | 03 |
| 14 | 0050 | 06 | 02 | | 13 | 26 | | 05 | 89 | | 1 | 0 | 03 |
| 14 | 0070 | 06 | 99 | | 15 | 72 | | 03 | 34 | | 1 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0359 | 55 | 16 | 0 | 16 | 00 | 63 | 08 | 06 | 18 | 1 | 2 | 1 | 9 |
| | | 0095 | 20 | 0 | | | | 14 | 10 | | 007 | | | | |

| | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|----|----|--|---|---|----|
| 18 | 0000 | 20 | 30 | | 07 | 51 | | 06 | 66 | | 1 | 3 | 03 |
| 18 | 0005 | 20 | 27 | | 07 | 51 | | 06 | 51 | | 1 | 3 | 03 |
| 18 | 0010 | 19 | 62 | | 07 | 51 | | 06 | 66 | | 1 | 3 | 03 |
| 18 | 0015 | 16 | 74 | | 07 | 52 | | 06 | 58 | | 1 | 3 | 03 |
| 18 | 0020 | 12 | 27 | | 07 | 46 | | 06 | 84 | | 1 | 3 | 03 |
| 18 | 0030 | 02 | 89 | | 07 | 62 | | 08 | 77 | | 1 | 3 | 03 |
| 18 | 0040 | 01 | 89 | | 07 | 82 | | 08 | 80 | | 1 | 3 | 03 |
| 18 | 0050 | 01 | 31 | | 08 | 63 | | 08 | 06 | | 1 | 3 | 03 |
| 18 | 0060 | 04 | 26 | | 12 | 50 | | 06 | 50 | | 1 | 3 | 03 |
| 18 | 0070 | 05 | 14 | | 13 | 98 | | 01 | 04 | | 1 | 3 | 03 |
| 18 | 0080 | 05 | 93 | | 15 | 37 | | 00 | 63 | | 1 | 3 | 03 |
| 18 | 0090 | 06 | 80 | | 16 | 64 | | 03 | 75 | | 1 | 3 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0360 | 55 | 46 | 0 | 16 | 02 | 63 | 08 | 06 | 21 | 1 | 1 | 0 | 9 |
| | | 0066 | 20 | | | | | 14 | 02 | | 007 | | | | |

| | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|----|----|--|---|---|----|
| 21 | 0000 | 19 | 6 | | 07 | 6 | | | | | 4 | 0 | 03 |
| 21 | 0018 | 15 | 79 | | 07 | 58 | | 06 | 45 | | 1 | 0 | 03 |
| 21 | 0030 | 03 | 59 | | 07 | 69 | | 08 | 56 | | 1 | 0 | 03 |
| 21 | 0050 | 01 | 53 | | 09 | 13 | | 07 | 55 | | 1 | 0 | 03 |
| 21 | 0063 | 06 | 10 | | 14 | 76 | | 03 | 97 | | 1 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0361 | 55 | 30 | 0 | 16 | 21 | 63 | 08 | 07 | 01 | 0 | 0 | 0 | 9 |
| | | 0071 | 18 | 0 | | | | 14 | 06 | | 004 | | | | |

| | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|----|----|--|---|---|----|
| 01 | 0000 | 20 | 1 | | 07 | 5 | | | | | 4 | 0 | 03 |
| 01 | 0030 | 04 | 08 | | 07 | 63 | | 08 | 36 | | 1 | 0 | 03 |
| 01 | 0050 | 02 | 02 | | 09 | 75 | | 07 | 49 | | 1 | 0 | 03 |
| 01 | 0065 | 05 | 90 | | 15 | 41 | | 00 | 35 | | 1 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0362 | 55 | 13 | 0 | 16 | 48 | 63 | 08 | 07 | 04 | 1 | 3 | 1 | 9 |
| | | 0088 | 20 | | | | | 11 | 06 | | 010 | | | | |

| | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|----|----|--|---|---|----|
| 04 | 0000 | 19 | 96 | | 07 | 47 | | 06 | 35 | | 1 | 0 | 03 |
| 04 | 0005 | 19 | 94 | | 07 | 45 | | 06 | 31 | | 1 | 0 | 03 |
| 04 | 0010 | 19 | 97 | | 07 | 47 | | | | | 1 | 0 | 03 |
| 04 | 0015 | 19 | 44 | | 07 | 44 | | 06 | 40 | | 1 | 0 | 03 |
| 04 | 0020 | 16 | 96 | | 07 | 38 | | 06 | 53 | | 1 | 0 | 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|-----------|--------|------------|---------------|-------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 0-N+E | 1-N+W | 2-S+E | 3-S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | Wind | | | | Mixed layer depth m | | | | | |
| | | | Dry ↓ | bulb | Wet ↓ | bulb | Dir. | Speed kn. | | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | | | | |
| | | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | |

77 11 0362

| | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|----|----|--|---|---|----|
| 04 | 0030 | 03 | 47 | | 07 | 56 | | 08 | 74 | | 1 | 0 | 03 |
| 04 | 0040 | 02 | 27 | | 07 | 71 | | 08 | 79 | | 1 | 0 | 03 |
| 04 | 0050 | 02 | 01 | | 07 | 81 | | 08 | 59 | | 1 | 0 | 03 |
| 04 | 0060 | 02 | 30 | | 08 | 02 | | 08 | 27 | | 1 | 0 | 03 |
| 04 | 0070 | 03 | 54 | | 12 | 34 | | 04 | 98 | | 1 | 0 | 03 |
| 04 | 0080 | 03 | 78 | | 12 | 77 | | 04 | 41 | | 1 | 0 | 03 |
| 04 | 0085 | 04 | 83 | | 14 | 05 | | 01 | 38 | | 1 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|----|---|---|---|---|
| 77 | 11 | 0363 | 55 | 24 | 0 | 17 | 13 | 63 | 08 | 07 | 07 | 1 | 2 | 0 | 9 |
| | | 0053 | 20 | 0 | | | | 10 | 10 | | | | | | |

| | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|----|----|--|---|---|----|----|
| 07 | 0000 | 20 | 0 | | 07 | 5 | | | | | | 4 | 0 | 03 |
| 07 | 0030 | 03 | 31 | | 07 | 57 | | 08 | 87 | | 1 | 0 | 03 | |
| 07 | 0050 | 01 | 72 | | 07 | 65 | | 08 | 66 | | 1 | 0 | 03 | |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0364 | 55 | 43 | 0 | 16 | 50 | 63 | 08 | 07 | 10 | 0 | 0 | 0 | 9 |
| | | 0037 | 20 | 0 | | | | 10 | 08 | | 000 | | | | |

| | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|----|----|--|---|---|----|----|
| 10 | 0000 | 20 | 1 | | 07 | 6 | | | | | | 4 | 0 | 03 |
| 10 | 0030 | 04 | 62 | | 07 | 58 | | 07 | 99 | | 1 | 0 | 03 | |
| 10 | 0035 | 04 | 29 | | 07 | 98 | | 08 | 10 | | 1 | 0 | 03 | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0365 | 56 | 00 | 0 | 16 | 28 | 63 | 08 | 07 | 13 | 1 | 4 | 0 | 9 |
| | | 0045 | 21 | | | | | 99 | 04 | | 000 | | | | |

| | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|----|----|--|---|---|----|----|
| 13 | 0000 | 19 | 9 | | 07 | 4 | | | | | | 4 | 0 | 03 |
| 13 | 0030 | 02 | 70 | | 07 | 54 | | 08 | 44 | | 1 | 0 | 03 | |
| 13 | 0043 | 02 | 63 | | 07 | 71 | | 08 | 48 | | 1 | 0 | 03 | |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0366 | 56 | 13 | 0 | 16 | 54 | 63 | 08 | 07 | 15 | 1 | 4 | 0 | 9 |
| | | 0037 | 20 | | | | | 09 | 08 | | 000 | | | | |

| | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|----|----|--|---|---|----|----|
| 15 | 0000 | 19 | 2 | | 07 | 4 | | | | | | 4 | 0 | 03 |
| 15 | 0030 | 03 | 59 | | 07 | 58 | | 08 | 38 | | 1 | 0 | 03 | |
| 15 | 0035 | 03 | 38 | | 07 | 60 | | 08 | 48 | | 1 | 0 | 03 | |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0367 | 55 | 55 | 0 | 17 | 15 | 63 | 08 | 07 | 18 | 1 | 5 | 1 | 9 |
| | | 0049 | 18 | | | | | 09 | 10 | | 008 | | | | |

| | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|----|----|--|---|---|----|
| 18 | 0000 | 20 | 07 | | 07 | 34 | | 06 | 52 | | 1 | 0 | 03 |
| 18 | 0005 | 19 | 99 | | 07 | 34 | | 06 | 40 | | 1 | 0 | 03 |
| 18 | 0010 | 19 | 32 | | 07 | 33 | | 06 | 83 | | 1 | 0 | 03 |
| 18 | 0015 | 16 | 93 | | 07 | 40 | | 07 | 04 | | 1 | 0 | 03 |
| 18 | 0020 | 08 | 48 | | 07 | 40 | | 08 | 52 | | 1 | 0 | 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|------|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | -Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ | bulb | | Wet ↓ | bulb | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extre. mtd. | Code | code | |
| | | | ↓ | | | ↓ | | ↓ | | | ↓ | | | | | |

77 11 0367

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|----|------|----|----|--|----|----|--|--|--|--|----|----|---|---|----|
| 18 | 0030 | 02 | 48 | | 07 | 60 | | | | | 09 | 25 | 1 | 0 | 03 |
| 18 | 0040 | 01 | 98 | | 07 | 84 | | | | | 09 | 01 | 1 | 0 | 03 |
| 18 | 0045 | 01 | 84 | | 08 | 14 | | | | | 08 | 16 | 1 | 0 | 03 |

77 11 0368
0038

| | | | | | | | | | | | | | | | |
|----|------|----|----|---|----|----|--|--|--|--|----|----|---|---|----|
| 20 | 0000 | 19 | 6 | 0 | 07 | 4 | | | | | | | 4 | 0 | 03 |
| 20 | 0030 | 02 | 91 | | | | | | | | 08 | 28 | | | 03 |
| 20 | 0035 | 03 | 00 | | 07 | 60 | | | | | 08 | 27 | 1 | 0 | 03 |

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0073

| | | | | | | | | | | | | | | | |
|----|------|----|----|---|----|----|--|--|--|--|----|----|---|---|----|
| 23 | 0000 | 20 | 06 | 0 | 07 | 44 | | | | | 06 | 25 | 1 | 0 | 03 |
| 23 | 0005 | 20 | 07 | | 07 | 44 | | | | | 06 | 24 | 1 | 0 | 03 |
| 23 | 0010 | 20 | 12 | | 07 | 42 | | | | | 06 | 19 | 1 | 0 | 03 |
| 23 | 0015 | 18 | 05 | | 07 | 44 | | | | | 06 | 48 | 1 | 0 | 03 |
| 23 | 0020 | 16 | 27 | | 07 | 40 | | | | | 06 | 31 | 1 | 0 | 03 |
| 23 | 0030 | 03 | 39 | | | | | | | | 08 | 36 | | | 03 |
| 23 | 0040 | 02 | 03 | | 07 | 60 | | | | | 08 | 87 | 1 | 0 | 03 |
| 23 | 0050 | 01 | 15 | | 07 | 68 | | | | | 08 | 49 | 1 | 0 | 03 |
| 23 | 0060 | 01 | 30 | | 07 | 98 | | | | | 08 | 14 | 1 | 0 | 03 |
| 23 | 0065 | 01 | 86 | | 09 | 03 | | | | | 07 | 28 | 1 | 0 | 03 |

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0090

| | | | | | | | | | | | | | | | |
|----|------|----|----|---|----|----|--|--|--|--|----|----|---|---|----|
| 02 | 0000 | 20 | 2 | 0 | 07 | 5 | | | | | | | 4 | 0 | 03 |
| 02 | 0050 | 01 | 71 | | 07 | 66 | | | | | 08 | 87 | 1 | 0 | 03 |
| 02 | 0070 | 01 | 68 | | 08 | 23 | | | | | 07 | 33 | 1 | 0 | 03 |
| 02 | 0080 | 02 | 65 | | 09 | 34 | | | | | 05 | 33 | 1 | 0 | 03 |

77 11 0371
0115

| | | | | | | | | | | | | | | | |
|----|------|----|----|---|----|----|--|--|--|--|----|----|---|---|----|
| 06 | 0000 | 20 | 2 | 0 | 07 | 4 | | | | | | | 4 | 0 | 03 |
| 06 | 0030 | 02 | 81 | | 07 | 57 | | | | | 08 | 99 | 1 | 0 | 03 |
| 06 | 0050 | 01 | 39 | | 07 | 66 | | | | | 08 | 37 | 1 | 0 | 03 |
| 06 | 0070 | 01 | 81 | | 08 | 21 | | | | | 07 | 14 | 1 | 0 | 03 |
| 06 | 0090 | 03 | 29 | | 10 | 21 | | | | | | | 1 | 0 | 03 |
| 06 | 0100 | 03 | 40 | | 10 | 63 | | | | | 03 | 49 | 1 | 0 | 03 |
| 06 | 0110 | 03 | 45 | | 11 | 78 | | | | | 03 | 03 | 1 | 0 | 03 |

77 11 0372
0137

| | | | | | | | | | | | | | | | | |
|----|----|---|----|----|----|----|--|--|--|--|----|-----|---|---|---|---|
| 56 | 07 | 0 | 19 | 20 | 63 | 08 | | | | | 08 | 10 | 1 | 6 | 2 | 9 |
| 19 | 5 | | | | 09 | 22 | | | | | | 010 | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|---------------------|------------------------------|-------|-----------------|------------------------------|------|---------------------------|--------------------------|-------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 0-N+E | 1-N+W | 2-S+E | 3-S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | | Temperature °C Wet ↓ bulb | | | Wind Dir. Speed kn. | | Mixed layer depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C ↓ | | | Salinity ‰ ↓ | σ _t ↓ | ml/l | Oxygen Saturat. % ↓ | Salin. method | Extra info. | Card code | | | | | |

77 11 0372

| | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|----|----|--|---|---|----|
| 10 | 0000 | 19 | 65 | | 07 | 36 | | 06 | 33 | | 1 | 0 | 03 |
| 10 | 0005 | 19 | 63 | | 07 | 30 | | 06 | 25 | | 1 | 0 | 03 |
| 10 | 0010 | 19 | 48 | | 07 | 30 | | 06 | 32 | | 1 | 0 | 03 |
| 10 | 0015 | 12 | 31 | | 07 | 41 | | 07 | 30 | | 1 | 0 | 03 |
| 10 | 0020 | 03 | 26 | | 07 | 56 | | 08 | 89 | | 1 | 0 | 03 |
| 10 | 0030 | 02 | 14 | | 07 | 59 | | 08 | 92 | | 1 | 0 | 03 |
| 10 | 0040 | | | | 07 | 65 | | 08 | 90 | | 1 | 0 | 03 |
| 10 | 0050 | 01 | 68 | | 07 | 67 | | 08 | 79 | | 1 | 0 | 03 |
| 10 | 0060 | 01 | 20 | | 07 | 85 | | 08 | 29 | | 1 | 0 | 03 |
| 10 | 0070 | 02 | 39 | | 08 | 45 | | 06 | 37 | | 1 | 0 | 03 |
| 10 | 0080 | 03 | 71 | | 09 | 39 | | 03 | 62 | | 1 | 0 | 03 |
| 10 | 0090 | 03 | 90 | | 10 | 21 | | 02 | 64 | | 1 | 0 | 03 |
| 10 | 0100 | 03 | 32 | | 10 | 58 | | 02 | 93 | | 1 | 0 | 03 |
| 10 | 0125 | 04 | 38 | | 11 | 39 | | 01 | 69 | | 1 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0373 | 56 | 19 | 0 | 18 | 55 | 63 | 08 | 08 | 14 | 2 | 7 | 2 | 9 |
| | | 0117 | 20 | 0 | | | | 09 | 18 | | 009 | | | | |

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|----|------|----|----|--|----|----|--|----|----|--|---|---|----|
| 14 | 0000 | 20 | 0 | | 07 | 3 | | | | | 4 | 0 | 03 |
| 14 | 0030 | 02 | 19 | | 07 | 56 | | 09 | 22 | | 1 | 0 | 03 |
| 14 | 0050 | | | | 07 | 69 | | 09 | 00 | | 1 | 0 | 03 |
| 14 | 0070 | 02 | 52 | | 08 | 82 | | 06 | 04 | | 1 | 0 | 03 |
| 14 | 0100 | 04 | 82 | | 10 | 76 | | 01 | 28 | | 1 | 0 | 03 |
| 14 | 0110 | 05 | 19 | | 11 | 06 | | 00 | 46 | | 1 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0374 | 56 | 05 | 0 | 18 | 28 | 63 | 08 | 08 | 17 | 2 | 8 | 2 | 9 |
| | | 0110 | 20 | | | | | 25 | 06 | | 010 | | | | |

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|----|------|----|----|--|----|----|--|----|----|--|---|---|----|
| 17 | 0000 | 19 | 8 | | 07 | 4 | | | | | 4 | 0 | 03 |
| 17 | 0030 | 02 | 25 | | 07 | 56 | | 09 | 40 | | 1 | 0 | 03 |
| 17 | 0050 | 01 | 63 | | 07 | 64 | | 09 | 50 | | 1 | 0 | 03 |
| 17 | 0070 | 02 | 26 | | 08 | 41 | | 07 | 04 | | 1 | 0 | 03 |
| 17 | 0090 | 04 | 61 | | 10 | 37 | | | | | 1 | 0 | 03 |
| 17 | 0100 | 04 | 78 | | 10 | 52 | | 01 | 27 | | 1 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0375 | 55 | 51 | 0 | 18 | 02 | 63 | 08 | 08 | 19 | 1 | 6 | 1 | 9 |
| | | 0060 | 19 | 0 | | | | 23 | 08 | | 013 | | | | |

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|----|------|----|----|--|----|----|--|----|----|--|---|---|----|
| 19 | 0000 | 19 | 9 | | 07 | 5 | | | | | 4 | 0 | 03 |
| 19 | 0030 | 03 | 06 | | 07 | 54 | | | | | 1 | 0 | 03 |
| 19 | 0050 | 01 | 66 | | 07 | 65 | | 09 | 27 | | 1 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0376 | 56 | 09 | 0 | 17 | 42 | 63 | 08 | 08 | 22 | 2 | 7 | 1 | 9 |
| | | 0060 | 19 | 0 | | | | 25 | 12 | | 010 | | | | |

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|----|------|----|---|--|----|---|--|--|--|--|---|---|----|
| 22 | 0000 | 19 | 4 | | 07 | 4 | | | | | 4 | 0 | 03 |
|----|------|----|---|--|----|---|--|--|--|--|---|---|----|

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|------|--------|------------|---------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 0-N+E | 1-N+W | 2-S+E | 3-S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | -Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Core code | | | | |
| | | ↓ | | | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | |

77 11 0376

22 0030 02 38 07 54 08 99 1 0 03
 22 0050 01 92 07 63 08 58 1 0 03

77 11 0377 56 23 0 18 09 63 08 09 01 2 7 1 9
 0030 19 0 25 12 011

01 0000 19 2 07 2 4 0 03
 01 0025 07 38 07 41 07 72 1 0 03

77 11 0378 56 27 0 17 21 63 08 09 05 2 8 1 9
 0057 17 5 27 14 011

05 0000 17 65 07 21 06 89 1 0 03
 05 0005 07 21 06 95 1 0 03
 05 0010 17 58 07 21 06 91 1 0 03
 05 0015 05 81 07 10 08 97 1 0 03
 05 0020 02 77 07 21 09 33 1 0 03
 05 0030 02 81 07 21 08 67 1 0 03
 05 0040 02 45 07 52 08 33 1 0 03
 05 0050 02 21 07 83 06 84 1 0 03
 05 0055 02 26 07 89 07 31 1 0 03

77 11 0379 56 44 0 17 55 63 08 09 08 1 2 1 9
 0063 19 0 23 12 012

08 0000 18 1 07 2 4 0 03
 08 0030 03 13 07 38 08 79 1 0 03
 08 0050 02 17 07 58 08 58 1 0 03
 08 0060 03 15 08 09 05 93 1 0 03

77 11 0380 56 47 0 17 06 63 08 09 11 1 3 1 9
 0076 18 5 25 12 015

11 0000 18 2 07 0 4 0 03
 11 0030 02 42 07 14 09 33 1 0 03
 11 0050 02 56 07 44 08 48 1 0 03
 11 0070 03 43 08 85 02 81 1 0 03
 11 0075 03 91 09 26 01 40 1 0 03

77 11 0381 57 07 0 17 39 63 08 09 15 1 2 1 9
 0115 20 0 25 12 013

15 0000 18 47 07 07 06 90 1 0 03
 15 0005 18 38 07 05 06 91 1 0 03

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|------------------------------|-------|------------|------------|------------------------------|---------------------------|------------|---------------|-------------|---------------------|---------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | | | Temperature °C Wet ↓ bulb | -Wind Dir. Speed kn. | | | | Mixed layer depth m | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | | | |

77 11 0381

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|----|------|----|----|--|----|----|--|----|----|--|--|---|---|----|
| 15 | 0010 | 18 | 25 | | 07 | 05 | | 06 | 88 | | | 1 | 0 | 03 |
| 15 | 0015 | 17 | 64 | | 07 | 12 | | 06 | 85 | | | 1 | 0 | 03 |
| 15 | 0020 | 09 | 27 | | 07 | 18 | | 07 | 86 | | | 1 | 0 | 03 |
| 15 | 0030 | 03 | 26 | | 07 | 28 | | 08 | 84 | | | 1 | 0 | 03 |
| 15 | 0040 | 02 | 74 | | 07 | 41 | | 08 | 66 | | | 1 | 0 | 03 |
| 15 | 0050 | 02 | 45 | | 07 | 54 | | 08 | 36 | | | 1 | 0 | 03 |
| 15 | 0060 | 02 | 67 | | 08 | 14 | | 05 | 26 | | | 1 | 0 | 03 |
| 15 | 0070 | 03 | 88 | | 09 | 43 | | 01 | 17 | | | 1 | 0 | 03 |
| 15 | 0080 | 04 | 49 | | 09 | 94 | | 00 | 40 | | | 1 | 0 | 03 |
| 15 | 0090 | 04 | 56 | | 10 | 12 | | 00 | 36 | | | 1 | 0 | 03 |
| 15 | 0100 | 04 | 59 | | 10 | 16 | | 00 | 00 | | | 1 | 0 | 03 |
| 15 | 0105 | 04 | 57 | | 10 | 18 | | 00 | 00 | | | 1 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0382 | 57 | 22 | 0 | 17 | 44 | 63 | 08 | 09 | 18 | 1 | 2 | 1 | 9 |
| | | 0110 | 20 | | | | | 25 | 10 | | 011 | | | | |

| | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|----|----|--|--|---|---|----|
| 18 | 0000 | 18 | 3 | | 06 | 9 | | | | | | 4 | 0 | 03 |
| 18 | 0030 | 03 | 04 | | 07 | 17 | | 09 | 25 | | | 1 | 0 | 03 |
| 18 | 0050 | 01 | 91 | | 07 | 34 | | 08 | 91 | | | 1 | 0 | 03 |
| 18 | 0070 | 03 | 33 | | 08 | 61 | | 03 | 54 | | | 1 | 0 | 03 |
| 18 | 0090 | 04 | 52 | | | | | | | | | | 0 | 03 |
| 18 | 0100 | 04 | 63 | | 10 | 22 | | 00 | 19 | | | 1 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0383 | 57 | 44 | 0 | 17 | 52 | 63 | 08 | 09 | 21 | 1 | 1 | 1 | 9 |
| | | 0101 | 18 | 0 | | | | 23 | 12 | | 010 | | | | |

| | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|----|----|--|--|---|---|----|
| 21 | 0000 | 18 | 5 | | 07 | 0 | | | | | | 4 | 0 | 03 |
| 21 | 0030 | 02 | 37 | | 07 | 16 | | 09 | 35 | | | 1 | 0 | 03 |
| 21 | 0050 | 02 | 41 | | 07 | 38 | | 08 | 80 | | | 1 | 0 | 03 |
| 21 | 0070 | 03 | 44 | | 08 | 78 | | 03 | 30 | | | 1 | 0 | 03 |
| 21 | 0098 | 04 | 71 | | 10 | 33 | | 00 | 62 | | | 1 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0384 | 57 | 49 | 0 | 17 | 23 | 63 | 08 | 10 | 00 | 1 | 2 | 1 | 9 |
| | | 0120 | 17 | | | | | 27 | 14 | | 010 | | | | |

| | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|----|----|--|--|---|---|----|
| 00 | 0000 | 18 | 0 | | 06 | 8 | | | | | | 4 | 0 | 03 |
| 00 | 0030 | 01 | 72 | | 07 | 06 | | 09 | 55 | | | 1 | 0 | 03 |
| 00 | 0050 | 01 | 48 | | 07 | 29 | | 09 | 00 | | | 1 | 0 | 03 |
| 00 | 0070 | 03 | 19 | | 08 | 53 | | 04 | 40 | | | 1 | 0 | 03 |
| 00 | 0100 | 04 | 58 | | 10 | 19 | | 00 | 53 | | | 1 | 0 | 03 |
| 00 | 0120 | 04 | 78 | | 10 | 44 | | 00 | 17 | | | 1 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0385 | 57 | 52 | 0 | 17 | 03 | 63 | 08 | 10 | 03 | 1 | 4 | 1 | 9 |
| | | 0055 | 16 | 0 | | | | 25 | 12 | | 010 | | | | |

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|----|------|----|---|--|----|---|--|--|--|--|--|---|---|----|
| 03 | 0000 | 17 | 8 | | 06 | 9 | | | | | | 4 | 0 | 03 |
|----|------|----|---|--|----|---|--|--|--|--|--|---|---|----|

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|-------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | -Wind | | Mixed layer | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |
| | | ↓ | | | ↓ | | | ↓ | ↓ | ↓ | ↓ | | | | | |

77 11 0385

03 0030 02 37 07 15 08 97 1 0 03
 03 0050 02 22 07 25 08 72 1 0 03

77 11 0386 58 15 0 17 19 63 08 12 10 2 8 1 9
 0050 16 08 12 015

10 0000 17 4 06 8 4 0 03
 10 0030 06 50 06 82 08 27 1 0 03
 10 0045 04 88 06 93 08 45 1 0 03

77 11 0387 58 08 0 17 37 63 08 12 12 2 7 1 9
 0101 16 0 28 08 005

12 0000 16 7 06 8 4 0 03
 12 0030 02 51 06 89 09 49 1 0 03
 12 0050 01 65 07 24 09 13 1 0 03
 12 0070 03 17 08 08 05 45 1 0 03
 12 0100 04 74 10 38 00 38 1 0 03

77 11 0388 58 00 0 18 00 63 08 12 14 1 4 1 9
 0200 19 20 08 006

14 0000 17 66 06 81 06 87 1 0 03
 14 0005 17 64 06 81 06 69 1 0 03
 14 0010 17 34 06 86 06 82 1 0 03
 14 0015 07 77 06 97 08 26 1 0 03
 14 0020 04 89 07 01 09 01 1 0 03
 14 0030 01 42 07 06 09 59 1 0 03
 14 0040 01 38 07 17 09 06 1 0 03
 14 0050 01 53 07 38 08 41 1 0 03
 14 0060 02 76 08 16 05 42 1 0 03
 14 0070 04 11 09 59 01 59 1 0 03
 14 0080 04 48 10 07 00 48 1 0 03
 14 0090 04 67 10 23 00 42 1 0 03
 14 0100 04 64 10 31 00 54 1 0 03
 14 0125 04 77 10 49 00 40 1 0 03
 14 0150 04 86 10 56 00 44 1 0 03
 14 0175 04 82 10 57 00 31 1 0 03
 14 0200 04 86 10 59 00 19 1 0 03

77 11 0389 58 08 0 18 20 63 08 12 17 1 4 2 9
 0107 18 0 25 12 012

17 0000 17 4 06 8 4 0 03
 17 0028 01 76 07 04 09 45 1 0 03

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|---|------------|----------------|---|------------|---------|-----------|-------------|---------------|-------------|--------------|--------------|-----|
| | | | 0 | 1 | 2 | 3 | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | -Wind | | Mixed layer | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |
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77 11 0389

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|----|------|----|----|--|----|----|--|--|--|----|----|---|---|----|
| 17 | 0047 | 06 | 61 | | 07 | 36 | | | | 08 | 61 | 1 | 0 | 03 |
| 17 | 0066 | 04 | 13 | | 09 | 57 | | | | 01 | 68 | 1 | 0 | 03 |
| 17 | 0085 | 04 | 62 | | 10 | 26 | | | | 00 | 43 | 1 | 0 | 03 |
| 17 | 0094 | 04 | 73 | | 10 | 49 | | | | 00 | 31 | 1 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0390 | 58 | 06 | 0 | 18 | 32 | 63 | 08 | 12 | 20 | 1 | 4 | 1 | 9 |
| | | 0111 | 16 | 5 | | | | 25 | 12 | | 013 | | | | |

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|----|------|----|----|--|----|----|--|--|--|----|----|---|---|----|
| 20 | 0000 | 17 | 2 | | 06 | 9 | | | | | | 4 | 0 | 03 |
| 20 | 0030 | 02 | 72 | | 07 | 00 | | | | 09 | 31 | 1 | 0 | 03 |
| 20 | 0050 | 01 | 42 | | 07 | 23 | | | | 09 | 10 | 1 | 0 | 03 |
| 20 | 0070 | 02 | 55 | | 07 | 99 | | | | 06 | 07 | 1 | 0 | 03 |
| 20 | 0090 | 04 | 42 | | 09 | 97 | | | | | | 1 | 0 | 03 |
| 20 | 0100 | 04 | 69 | | 10 | 31 | | | | 00 | 38 | 1 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0391 | 58 | 18 | 0 | 18 | 07 | 63 | 08 | 12 | 22 | 1 | 4 | 2 | 9 |
| | | 0065 | 16 | | | | | 25 | 14 | | 010 | | | | |

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|----|------|----|----|--|----|----|--|--|--|----|----|---|---|----|
| 22 | 0000 | 17 | 7 | | 06 | 8 | | | | | | 4 | 0 | 03 |
| 22 | 0030 | 02 | 25 | | 07 | 04 | | | | 09 | 41 | 1 | 0 | 03 |
| 22 | 0050 | 02 | 02 | | 07 | 17 | | | | 09 | 31 | 1 | 0 | 03 |
| 22 | 0060 | 01 | 78 | | 07 | 44 | | | | 08 | 15 | 1 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0392 | 58 | 27 | 0 | 17 | 50 | 63 | 08 | 12 | 24 | 1 | 1 | 2 | 9 |
| | | 0091 | 16 | | | | | 25 | 14 | | 009 | | | | |

| | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|--|--|----|----|---|---|----|
| 24 | 0000 | 17 | 4 | | 06 | 9 | | | | | | 4 | 0 | 03 |
| 24 | 0030 | 01 | 43 | | 07 | 06 | | | | 09 | 42 | 1 | 0 | 03 |
| 24 | 0050 | 01 | 36 | | 07 | 81 | | | | 08 | 74 | 1 | 0 | 03 |
| 24 | 0070 | 03 | 06 | | 08 | 38 | | | | 04 | 64 | 1 | 0 | 03 |
| 24 | 0085 | 04 | 50 | | 09 | 97 | | | | 00 | 80 | 1 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0393 | 58 | 34 | 0 | 17 | 30 | 63 | 08 | 13 | 02 | 2 | 7 | 1 | 9 |
| | | 0057 | 16 | 0 | | | | 25 | 12 | | 013 | | | | |

| | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|--|--|----|----|---|---|----|
| 02 | 0000 | 17 | 0 | | 06 | 5 | | | | | | 4 | 0 | 03 |
| 02 | 0030 | 09 | 54 | | 06 | 58 | | | | 07 | 43 | 1 | 0 | 03 |
| 02 | 0050 | 02 | 69 | | 07 | 13 | | | | 08 | 70 | 1 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0394 | 58 | 35 | 0 | 18 | 14 | 63 | 08 | 13 | 06 | 2 | 8 | 1 | 9 |
| | | 0450 | 16 | | | | | 27 | 14 | | 014 | | | | |

| | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|--|--|----|----|---|---|----|
| 10 | 0000 | 17 | 47 | | 06 | 07 | | | | 06 | 77 | 1 | 3 | 03 |
| 10 | 0005 | 17 | 49 | | 06 | 07 | | | | 06 | 69 | 1 | 3 | 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|-------|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0:N+E | 1:N+W | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
| | | ↓ | | | ↓ | | | ↓ | ↓ | ↓ | ↓ | | | | | |

77 11 0394

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|----|------|----|----|--|----|----|--|----|----|--|---|---|----|--|--|
| 10 | 0010 | 17 | 52 | | 06 | 08 | | 06 | 76 | | 1 | 3 | 03 | | |
| 10 | 0015 | 16 | 20 | | 06 | 59 | | 06 | 59 | | 1 | 3 | 03 | | |
| 10 | 0020 | 08 | 57 | | 06 | 82 | | 07 | 67 | | 1 | 3 | 03 | | |
| 10 | 0030 | 02 | 31 | | 07 | 08 | | 09 | 17 | | 1 | 3 | 03 | | |
| 10 | 0040 | 01 | 65 | | 07 | 18 | | 09 | 05 | | 1 | 3 | 03 | | |
| 10 | 0050 | 01 | 47 | | 07 | 38 | | 09 | 03 | | 1 | 3 | 03 | | |
| 10 | 0060 | 01 | 84 | | 07 | 68 | | 07 | 62 | | 1 | 3 | 03 | | |
| 10 | 0070 | 03 | 72 | | 09 | 14 | | 02 | 65 | | 1 | 3 | 03 | | |
| 10 | 0080 | 04 | 24 | | 09 | 70 | | 01 | 38 | | 1 | 3 | 03 | | |
| 06 | 0090 | 04 | 40 | | 09 | 89 | | 00 | 98 | | 1 | 3 | 03 | | |
| 06 | 0100 | 04 | 53 | | 10 | 16 | | 00 | 59 | | 1 | 3 | 03 | | |
| 06 | 0125 | 04 | 90 | | 10 | 63 | | 00 | 32 | | 1 | 3 | 03 | | |
| 06 | 0150 | 04 | 95 | | 10 | 72 | | 00 | 38 | | 1 | 3 | 03 | | |
| 06 | 0175 | 04 | 92 | | 10 | 81 | | 00 | 65 | | 1 | 3 | 03 | | |
| 06 | 0200 | 04 | 98 | | 10 | 83 | | 00 | 18 | | 1 | 3 | 03 | | |
| 06 | 0250 | 04 | 96 | | 10 | 89 | | 00 | 16 | | 1 | 3 | 03 | | |
| 06 | 0300 | 05 | 05 | | 10 | 98 | | 00 | 10 | | 1 | 3 | 03 | | |
| 06 | 0350 | 05 | 16 | | 10 | 99 | | 00 | 06 | | 1 | 3 | 03 | | |
| 06 | 0400 | 05 | 10 | | 11 | 01 | | 00 | 07 | | 1 | 3 | 03 | | |
| 06 | 0440 | 05 | 15 | | 11 | 01 | | 00 | 04 | | 1 | 3 | 03 | | |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0395 | 58 | 24 | 0 | 18 | 42 | 63 | 08 | 13 | 11 | 2 | 7 | 1 | 9 |
| | | 0185 | 18 | 0 | | | | 25 | 16 | | 012 | | | | |

| | | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|----|----|--|---|---|----|--|--|
| 11 | 0000 | 17 | 5 | | 06 | 5 | | | | | 4 | 0 | 03 | | |
| 11 | 0030 | 02 | 03 | | 07 | 08 | | 09 | 22 | | 1 | 0 | 03 | | |
| 11 | 0050 | 01 | 53 | | 07 | 42 | | 08 | 27 | | 1 | 0 | 03 | | |
| 11 | 0070 | 03 | 78 | | 09 | 19 | | 02 | 68 | | 1 | 0 | 03 | | |
| 11 | 0100 | 04 | 73 | | 10 | 56 | | 00 | 57 | | 1 | 0 | 03 | | |
| 11 | 0125 | 04 | 87 | | 10 | 62 | | 00 | 46 | | 1 | 0 | 03 | | |
| 11 | 0150 | 04 | 92 | | 10 | 78 | | 00 | 32 | | 1 | 0 | 03 | | |
| 11 | 0175 | 05 | 00 | | 10 | 88 | | 00 | 21 | | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0396 | 58 | 10 | 0 | 19 | 14 | 63 | 08 | 13 | 14 | 1 | 2 | 1 | 9 |
| | | 0028 | 17 | 0 | | | | 25 | 14 | | 012 | | | | |

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|----|------|----|----|--|----|----|--|----|----|--|---|---|----|--|--|
| 14 | 0000 | 17 | 4 | | 06 | 8 | | | | | 4 | 0 | 03 | | |
| 14 | 0025 | 05 | 64 | | 07 | 01 | | 08 | 49 | | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0397 | 58 | 37 | 0 | 19 | 46 | 63 | 08 | 13 | 18 | 1 | 4 | 2 | 9 |
| | | 0140 | 17 | 0 | | | | 23 | 14 | | 012 | | | | |

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|----|------|----|----|--|----|----|--|----|----|--|---|---|----|--|--|
| 18 | 0000 | 17 | 6 | | 06 | 8 | | | | | 4 | 0 | 03 | | |
| 18 | 0030 | 02 | 94 | | 07 | 21 | | 09 | 11 | | 1 | 0 | 03 | | |
| 18 | 0050 | 01 | 45 | | 07 | 54 | | 09 | 06 | | 1 | 0 | 03 | | |
| 18 | 0070 | 03 | 74 | | 09 | 16 | | 02 | 74 | | 1 | 0 | 03 | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|---------|------|-------------------|----------------|----------------|----|----------------|------------|----|---------|------------|------|---------------------|------------|---------------|--------------|-----------|
| | | | 0 | ' | '' | 0 | ' | '' | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | | Mixed layer depth m | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| | | Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code |

77 11 0397

| | | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|--|--|----|----|--|---|---|----|
| 18 | 0090 | 04 | 70 | | 10 | 33 | | | | 00 | 60 | | 1 | 0 | 03 |
| 18 | 0100 | 04 | 83 | | 10 | 48 | | | | 00 | 37 | | 1 | 0 | 03 |
| 18 | 0125 | 05 | 01 | | | | | | | 00 | 44 | | | 0 | 03 |
| 18 | 0135 | 05 | 16 | | 11 | 08 | | | | 00 | 25 | | 1 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|--|---|---|---|---|
| 77 | 11 | 0398 | 58 | 47 | 0 | 19 | 07 | 63 | 08 | 13 | 22 | | 2 | 8 | 2 | 9 |
| | | 0130 | 17 | 0 | | | | 27 | 16 | | 012 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|----|----|--|---|---|----|
| 22 | 0000 | 17 | 4 | | 06 | 6 | | | | | | | 4 | 0 | 03 |
| 22 | 0030 | 02 | 37 | | 07 | 12 | | | | 09 | 06 | | 1 | 0 | 03 |
| 22 | 0050 | 01 | 36 | | 07 | 48 | | | | 08 | 84 | | 1 | 0 | 03 |
| 22 | 0070 | 03 | 74 | | 09 | 13 | | | | 02 | 78 | | 1 | 0 | 03 |
| 22 | 0090 | 04 | 44 | | 09 | 97 | | | | | | | 1 | 0 | 03 |
| 22 | 0100 | 04 | 60 | | 10 | 25 | | | | 00 | 61 | | 1 | 0 | 03 |
| 22 | 0125 | 04 | 94 | | 10 | 74 | | | | 00 | 33 | | 1 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|--|---|---|---|---|
| 77 | 11 | 0399 | 58 | 55 | 0 | 18 | 42 | 63 | 08 | 13 | 24 | | 1 | 2 | 1 | 9 |
| | | 0065 | 16 | 0 | | | | 30 | 12 | | 016 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|----|----|--|---|---|----|
| 24 | 0000 | 17 | 4 | | 06 | 2 | | | | | | | 4 | 0 | 03 |
| 24 | 0030 | 02 | 26 | | 07 | 12 | | | | 08 | 94 | | 1 | 0 | 03 |
| 24 | 0050 | 01 | 41 | | 07 | 38 | | | | 09 | 12 | | 1 | 0 | 03 |
| 24 | 0065 | 01 | 82 | | 07 | 78 | | | | 07 | 53 | | 1 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|--|---|---|---|---|
| 77 | 11 | 0400 | 59 | 15 | 0 | 19 | 12 | 63 | 08 | 14 | 03 | | 2 | 7 | 1 | 9 |
| | | 0070 | 15 | 0 | | | | 30 | 14 | | 009 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|----|----|--|---|---|----|
| 03 | 0000 | 17 | 18 | | 05 | 9 | | | | | | | 4 | 0 | 03 |
| 03 | 0030 | 05 | 60 | | | | | | | 07 | 67 | | | 0 | 03 |
| 03 | 0050 | 02 | 01 | | 07 | 34 | | | | 08 | 06 | | 1 | 0 | 03 |
| 03 | 0060 | 02 | 47 | | 08 | 07 | | | | 05 | 46 | | 1 | 0 | 03 |

| | | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|--|---|---|---|---|
| 77 | 11 | 0401 | 59 | 07 | 0 | 19 | 35 | 63 | 08 | 14 | 06 | | 2 | 7 | 1 | 9 |
| | | 0090 | 20 | 0 | | | | 29 | 10 | | 013 | | | | | |

| | | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|--|--|----|----|--|---|---|----|
| 06 | 0000 | 17 | 53 | | 06 | 44 | | | | 06 | 69 | | 1 | 0 | 03 |
| 06 | 0005 | 17 | 57 | | 06 | 44 | | | | 06 | 65 | | 1 | 0 | 03 |
| 06 | 0010 | 17 | 59 | | 06 | 45 | | | | 06 | 60 | | 1 | 0 | 03 |
| 06 | 0015 | 14 | 49 | | 06 | 55 | | | | 06 | 34 | | 1 | 0 | 03 |
| 06 | 0020 | 05 | 70 | | 06 | 91 | | | | 07 | 97 | | 1 | 0 | 03 |
| 06 | 0030 | 02 | 28 | | 07 | 18 | | | | 08 | 73 | | 1 | 0 | 03 |
| 06 | 0040 | 01 | 47 | | 07 | 33 | | | | 08 | 70 | | 1 | 0 | 03 |
| 06 | 0050 | 01 | 61 | | 07 | 51 | | | | 07 | 91 | | 1 | 0 | 03 |
| 06 | 0060 | 02 | 30 | | 07 | 98 | | | | 06 | 13 | | 1 | 0 | 03 |
| 06 | 0070 | 03 | 87 | | 09 | 27 | | | | 02 | 26 | | 1 | 0 | 03 |

| Country | Ship | Station number | Latitude | | Longitude | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|---------------------|----------------------------------|-----------------|------------------------------|--------------------------|-------------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0-N+E 1-N+W 2-S+E 3-S+W | | | | | | | | | | |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | Temperature °C Wet ↓ bulb | Wind Dir. Speed kn. | | Mixed layer depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C ↓ | | Salinity ‰ ↓ | σ_t ↓ | ml/l | Oxygen ↓ | Saturat. % ↓ | Salin. method | Extra info. | Card code | | |

77 11 0401

06 0080 04 33 09 79 00 82 1 0 03

77 11 0402 58 53 0 20 07 63 08 14 09 6 8 1 9
0133 19 0 29 10 01509 0000 17 7 06 5 4 0 03
09 0030 03 26 06 99 08 61 1 0 03
09 0050 01 18 07 38 08 48 1 0 03
09 0070 03 83 09 10 03 04Q 1 0 03
09 0100 04 79 10 43 00 49 1 0 03
09 0125 04 96 10 86 00 22 1 0 03
09 0130 05 05 10 90 00 08 1 0 0377 11 0403 58 27 0 20 20 63 08 14 13 1 3 1 9
0120 20 29 12 01313 0000 17 79 06 84 06 40 1 0 03
13 0005 17 78 06 82 06 93 1 0 03
13 0010 17 71 06 84 06 56Q 1 0 03
13 0015 14 24 06 91 06 41 1 0 03
13 0020 04 13 07 18 09 66 1 0 03
13 0030 01 76 07 36 08 82 1 0 03
13 0040 01 80 07 55 08 90 1 0 03
13 0050 01 40 07 62 08 89 1 0 03
13 0060 01 25 07 71 08 50 1 0 03
13 0070 01 91 07 92 07 14 1 0 03
13 0080 03 93 09 28 02 70 1 0 03
13 0090 04 58 10 14 00 89 1 0 03
13 0100 04 76 10 55 00 59 1 0 03
13 0110 04 92 10 96 00 26 1 0 0377 11 0404 58 00 0 19 53 63 08 14 17 1 4 0 9
0200 17 0 32 08 01217 0000 18 02 06 99 06 35 1 0 03
17 0005 18 06 06 99 06 34 1 0 03
17 0010 17 93 06 97 06 34 1 0 03
17 0015 04 63 07 04 08 39 1 0 03
17 0020 02 26 07 15 08 71 1 0 03
17 0030 01 93 07 34 08 76 1 0 03
17 0040 01 70 07 49 08 82 1 0 03
17 0050 01 49 07 64 08 94 1 0 03
17 0060 01 29 07 77 08 34 1 0 03
17 0070 03 08 08 42 05 54 1 0 03
17 0080 04 20 09 52 02 28 1 0 03
17 0090 04 62 10 51 01 12 1 0 03

| Country | Ship | Station number | Latitude | | Longitude | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|---------|-------|------------|---------------------|-------------|--------------|--------------|-----|
| | | | DN+E | 1:N+W | | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | Wind | | Mixed layer depth m | | | | |
| | | | Dry ↓ | bulb | Wet ↓ | bulb | Dir. | Speed kn. | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | Oxygen | | Saturat. ‰ | Salin. method | Extra info. | Card code | | |
| | | | ↓ | ↓ | ↓ | ml/l | ↓ | ↓ | | | | | |

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| | | | | | | | | | | | | |
|----|------|----|----|----|----|----|----|---|---|----|--|--|
| 17 | 0100 | 04 | 78 | 10 | 53 | 01 | 38 | 1 | 0 | 03 | | |
| 17 | 0125 | 05 | 19 | 11 | 24 | 00 | 60 | 1 | 0 | 03 | | |
| 17 | 0150 | 05 | 50 | 11 | 96 | 00 | 00 | 1 | 0 | 03 | | |
| 17 | 0175 | 05 | 48 | 12 | 70 | 00 | 00 | 1 | 0 | 03 | | |
| 17 | 0200 | 05 | 54 | 12 | 68 | 00 | 00 | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0405 | 57 | 44 | 0 | 19 | 21 | 63 | 08 | 14 | 21 | 1 | 3 | 0 | 9 |
| | | 0070 | 16 | | | | | 32 | 06 | | 008 | | | | |

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|----|------|----|----|----|----|--|--|----|----|--|--|---|---|----|--|
| 21 | 0000 | 18 | 1 | 07 | 0 | | | | | | | 4 | 0 | 03 | |
| 21 | 0030 | 03 | 01 | 07 | 28 | | | 08 | 78 | | | 1 | 0 | 03 | |
| 21 | 0050 | 01 | 55 | 07 | 57 | | | 08 | 66 | | | 1 | 0 | 03 | |
| 21 | 0065 | 02 | 78 | 08 | 32 | | | 05 | 51 | | | 1 | 0 | 03 | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0406 | 57 | 42 | 0 | 19 | 55 | 63 | 08 | 14 | 23 | 0 | 0 | 1 | 9 |
| | | 0125 | 16 | 0 | | | | 36 | 04 | | 014 | | | | |

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|----|------|----|----|----|----|--|--|----|----|--|--|---|---|----|--|
| 23 | 0000 | 18 | 1 | 07 | 2 | | | | | | | 4 | 0 | 03 | |
| 23 | 0030 | 02 | 10 | 07 | 50 | | | 08 | 93 | | | 1 | 0 | 03 | |
| 23 | 0050 | 01 | 56 | 07 | 63 | | | 08 | 71 | | | 1 | 0 | 03 | |
| 23 | 0070 | 03 | 11 | 08 | 40 | | | 05 | 37 | | | 1 | 0 | 03 | |
| 23 | 0100 | 04 | 78 | 10 | 65 | | | 01 | 24 | | | 1 | 0 | 03 | |
| 23 | 0120 | 05 | 30 | 11 | 42 | | | 00 | 24 | | | 1 | 0 | 03 | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0407 | 57 | 20 | 0 | 20 | 03 | 63 | 08 | 15 | 04 | 1 | 2 | 1 | 9 |
| | | 0258 | 16 | 0 | | | | 14 | 04 | | 016 | | | | |

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|----|------|----|----|----|----|--|--|----|----|--|--|---|---|----|--|
| 04 | 0000 | 17 | 94 | 07 | 15 | | | 06 | 35 | | | 1 | 3 | 03 | |
| 04 | 0005 | 17 | 87 | 07 | 13 | | | 06 | 33 | | | 1 | 3 | 03 | |
| 04 | 0010 | 17 | 90 | 07 | 19 | | | 06 | 34 | | | 1 | 3 | 03 | |
| 04 | 0015 | 17 | 81 | 07 | 28 | | | 06 | 27 | | | 1 | 3 | 03 | |
| 04 | 0020 | 06 | 98 | 07 | 46 | | | 08 | 25 | | | 1 | 3 | 03 | |
| 04 | 0030 | 02 | 47 | 07 | 56 | | | 08 | 85 | | | 1 | 3 | 03 | |
| 04 | 0040 | 01 | 94 | 07 | 63 | | | 09 | 03 | | | 1 | 3 | 03 | |
| 04 | 0050 | 01 | 20 | 07 | 64 | | | 08 | 82 | | | 1 | 3 | 03 | |
| 04 | 0060 | 01 | 85 | 08 | 07 | | | 07 | 39 | | | 1 | 3 | 03 | |
| 04 | 0070 | 03 | 56 | 09 | 05 | | | 04 | 14 | | | 1 | 3 | 03 | |
| 04 | 0080 | 03 | 75 | 09 | 17 | | | 03 | 66 | | | 1 | 3 | 03 | |
| 04 | 0090 | 03 | 98 | 10 | 05 | | | 01 | 59 | | | 1 | 3 | 03 | |
| 04 | 0100 | 04 | 70 | 10 | 45 | | | 01 | 04 | | | 1 | 3 | 03 | |
| 04 | 0125 | 05 | 25 | 11 | 37 | | | 00 | 40 | | | 1 | 3 | 03 | |
| 04 | 0150 | 05 | 54 | 12 | 17 | | | 00 | 97 | | | 1 | 3 | 03 | |
| 04 | 0175 | 05 | 59 | 12 | 53 | | | 00 | 00 | | | 1 | 3 | 03 | |
| 04 | 0200 | 05 | 51 | 12 | 68 | | | 00 | 00 | | | 1 | 3 | 03 | |
| 04 | 0250 | 05 | 54 | 12 | 80 | | | 00 | 00 | | | 1 | 3 | 03 | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0408 | 57 | 25 | 0 | 19 | 13 | 63 | 08 | 15 | 09 | 1 | 2 | 1 | 9 |
| | | 0075 | 17 | 5 | | | | 20 | 08 | | 016 | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|------|--------|------------|---------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | | | |
| | | | | | | | | | | | | | | | | |

77 11 0412

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|---------|-------|--|-------|--|--|-------|--|--------|--|--|--|--|--|--|--|--|
| 01 0030 | 02 37 | | 07 57 | | | 08 86 | | 1 0 03 | | | | | | | | |
| 01 0050 | 01 66 | | 07 76 | | | 08 15 | | 1 0 03 | | | | | | | | |

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|------------|-------|---|-------|--|-------|-------|--|---------|--|--|--|--|--|--|--|--|
| 77 11 0443 | 58 19 | 0 | 11 33 | | 63 09 | 09 07 | | 6 8 0 9 | | | | | | | | |
| 0116 | 14 | | | | 18 08 | 012 | | | | | | | | | | |

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|---------|-------|--|-------|--|--|--|--|--------|--|--|--|--|--|--|--|--|
| 07 0000 | 15 9 | | 22 8 | | | | | 4 0 03 | | | | | | | | |
| 07 0005 | 15 96 | | 22 96 | | | | | 1 0 03 | | | | | | | | |
| 07 0010 | 16 15 | | 23 20 | | | | | 1 0 03 | | | | | | | | |
| 07 0015 | 16 23 | | 23 38 | | | | | 1 0 03 | | | | | | | | |
| 07 0020 | 14 82 | | 31 18 | | | | | 1 0 03 | | | | | | | | |
| 07 0030 | 13 63 | | 32 18 | | | | | 1 0 03 | | | | | | | | |
| 07 0040 | 11 76 | | 32 54 | | | | | 1 0 03 | | | | | | | | |
| 07 0050 | 07 49 | | 33 73 | | | | | 1 0 03 | | | | | | | | |
| 07 0060 | 05 78 | | 34 48 | | | | | 1 0 03 | | | | | | | | |
| 07 0070 | 05 90 | | 34 62 | | | | | 1 0 03 | | | | | | | | |
| 07 0080 | 05 91 | | 34 67 | | | | | 1 0 03 | | | | | | | | |
| 07 0100 | 05 79 | | 34 67 | | | | | 1 0 03 | | | | | | | | |
| 07 0110 | 05 85 | | 34 69 | | | | | 1 0 03 | | | | | | | | |

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|------------|-------|---|-------|--|-------|-------|--|---------|--|--|--|--|--|--|--|--|
| 77 11 0453 | 58 20 | 0 | 11 10 | | 63 09 | 23 17 | | 2 7 3 9 | | | | | | | | |
| 0043 | 16 | | | | 23 16 | 008 | | | | | | | | | | |

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|---------|-------|--|--------|--|--|--|--|--------|--|--|--|--|--|--|--|--|
| 17 0000 | 14 4 | | 24 9 | | | | | 4 0 03 | | | | | | | | |
| 17 0005 | 14 4 | | 24 9 | | | | | 4 0 03 | | | | | | | | |
| 17 0010 | 14 6 | | 29 8 | | | | | 4 0 03 | | | | | | | | |
| 17 0015 | 14 9 | | 31 7 | | | | | 4 0 03 | | | | | | | | |
| 17 0020 | 15 06 | | 32 315 | | | | | 3 0 03 | | | | | | | | |
| 17 0030 | 15 03 | | 32 798 | | | | | 3 0 03 | | | | | | | | |
| 17 0040 | 14 64 | | 33 400 | | | | | 3 0 03 | | | | | | | | |

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|------------|-------|---|-------|--|-------|-------|--|---------|--|--|--|--|--|--|--|--|
| 77 11 0454 | 58 20 | 0 | 11 06 | | 63 09 | 23 20 | | 2 8 3 9 | | | | | | | | |
| 0045 | 16 | | | | 23 18 | 015 | | | | | | | | | | |

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|---------|-------|--|--------|--|--|--|--|--------|--|--|--|--|--|--|--|--|
| 20 0000 | 14 3 | | 26 8 | | | | | 4 0 03 | | | | | | | | |
| 20 0005 | 14 35 | | 26 8 | | | | | 4 0 03 | | | | | | | | |
| 20 0010 | 14 35 | | 30 2 | | | | | 4 0 03 | | | | | | | | |
| 20 0015 | 14 6 | | 31 3 | | | | | 4 0 03 | | | | | | | | |
| 20 0020 | 14 87 | | 32 560 | | | | | 3 0 03 | | | | | | | | |
| 20 0030 | 14 81 | | 33 352 | | | | | 3 0 03 | | | | | | | | |
| 20 0040 | 14 26 | | 33 924 | | | | | 3 0 03 | | | | | | | | |

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|------------|-------|---|-------|--|-------|-------|--|---------|--|--|--|--|--|--|--|--|
| 77 11 0455 | 58 20 | 0 | 11 02 | | 63 09 | 23 21 | | 2 8 3 9 | | | | | | | | |
| 0090 | 16 | | | | 23 20 | 000 | | | | | | | | | | |

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|---------|-------|--|------|--|--|--|--|--------|--|--|--|--|--|--|--|--|
| 21 0000 | 14 25 | | 29 6 | | | | | 4 0 03 | | | | | | | | |
|---------|-------|--|------|--|--|--|--|--------|--|--|--|--|--|--|--|--|

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|-----------|--------|------------|---------------|-------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | Wind | | | | Mixed layer depth m | | | | | |
| | | | Dry ↓ | bulb | Wet ↓ | bulb | Dir. | Speed kn. | | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | | | | |
| | | ↓ | | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | |

77 11 0455

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 21 | 0005 | 14 | 3 | | 29 | 9 | | | | | | 4 | 0 | 03 | | |
| 21 | 0010 | 14 | 3 | | 31 | 2 | | | | | | 4 | 0 | 03 | | |
| 21 | 0015 | 14 | 5 | | 31 | 5 | | | | | | 4 | 0 | 03 | | |
| 21 | 0020 | 14 | 60 | | 32 | 117 | | | | | | 3 | 0 | 03 | | |
| 21 | 0030 | 14 | 54 | | 33 | 558 | | | | | | 3 | 0 | 03 | | |
| 21 | 0040 | 13 | 03 | | 34 | 462 | | | | | | 3 | 0 | 03 | | |
| 21 | 0050 | 09 | 87 | | 34 | 624 | | | | | | 3 | 0 | 03 | | |
| 21 | 0060 | 07 | 31 | | 34 | 922 | | | | | | 3 | 0 | 03 | | |
| 21 | 0070 | 06 | 94 | | 35 | 000 | | | | | | 3 | 0 | 03 | | |
| 21 | 0080 | 06 | 83 | | 35 | 059 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0456 | 58 | 19 | 0 | 10 | 57 | 63 | 09 | 23 | 22 | 2 | 8 | 3 | 9 | |
| | | 0113 | 16 | | | | | 23 | 18 | | 031 | | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 22 | 0000 | 14 | 3 | | 31 | 35 | | | | | | 4 | 0 | 03 | | |
| 22 | 0005 | 14 | 3 | | 31 | 4 | | | | | | 4 | 0 | 03 | | |
| 22 | 0010 | 14 | 4 | | 31 | 6 | | | | | | 4 | 0 | 03 | | |
| 22 | 0015 | 14 | 4 | | 31 | 7 | | | | | | 4 | 0 | 03 | | |
| 22 | 0020 | 14 | 58 | | 32 | 547 | | | | | | 3 | 0 | 03 | | |
| 22 | 0030 | 13 | 77 | | 34 | 475 | | | | | | 3 | 0 | 03 | | |
| 22 | 0040 | 10 | 46 | | 34 | 626 | | | | | | 3 | 0 | 03 | | |
| 22 | 0050 | 09 | 07 | | 34 | 679 | | | | | | 3 | 0 | 03 | | |
| 22 | 0060 | 06 | 91 | | 34 | 945 | | | | | | 3 | 0 | 03 | | |
| 22 | 0070 | 06 | 84 | | 35 | 042 | | | | | | 3 | 0 | 03 | | |
| 22 | 0080 | 06 | 89 | | 35 | 053 | | | | | | 3 | 0 | 03 | | |
| 22 | 0090 | 06 | 67 | | 35 | 067 | | | | | | 3 | 0 | 03 | | |
| 22 | 0100 | 06 | 61 | | 35 | 136 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0457 | 58 | 18 | 0 | 10 | 49 | 63 | 09 | 23 | 23 | 2 | 8 | 3 | 9 | |
| | | 0160 | 14 | | | | | 20 | 18 | | 010 | | | | | |

| | | | | | | | | | | | | | | | | |
|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 23 | 0000 | 14 | 3 | | 31 | 5 | | | | | | 4 | 0 | 03 | | |
| 23 | 0005 | 14 | 3 | | 31 | 5 | | | | | | 4 | 0 | 03 | | |
| 23 | 0010 | 14 | 3 | | 31 | 5 | | | | | | 4 | 0 | 03 | | |
| 23 | 0015 | 14 | 4 | | 32 | 0 | | | | | | 4 | 0 | 03 | | |
| 23 | 0020 | 14 | 20 | | 33 | 875 | | | | | | 3 | 0 | 03 | | |
| 23 | 0030 | 10 | 99 | | 34 | 651 | | | | | | 3 | 0 | 03 | | |
| 23 | 0040 | 07 | 89 | | 34 | 681 | | | | | | 3 | 0 | 03 | | |
| 23 | 0050 | 07 | 16 | | 34 | 718 | | | | | | 3 | 0 | 03 | | |
| 23 | 0060 | 07 | 01 | | 34 | 796 | | | | | | 3 | 0 | 03 | | |
| 23 | 0070 | 06 | 92 | | 34 | 839 | | | | | | 3 | 0 | 03 | | |
| 23 | 0080 | 06 | 70 | | 34 | 868 | | | | | | 3 | 0 | 03 | | |
| 23 | 0090 | 06 | 89 | | 34 | 916 | | | | | | 3 | 0 | 03 | | |
| 23 | 0100 | 07 | 13 | | 35 | 026 | | | | | | 3 | 0 | 03 | | |
| 23 | 0125 | 06 | 72 | | 35 | 089 | | | | | | 3 | 0 | 03 | | |
| 23 | 0150 | 06 | 57 | | 35 | 144 | | | | | | 3 | 0 | 03 | | |

| | | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0458 | 58 | 16 | 0 | 10 | 43 | 63 | 09 | 24 | 01 | 1 | 5 | 3 | 9 | |
| | | 0200 | 13 | | | | | 21 | 18 | | 015 | | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice | | | | |
|---------|------|-------------------|------------------------------|---|----|------------------------------|---|----|--------------------------|-------|---------------------|-----------------|---------|--------------|--------------|-------------|-----------------|---------------|-------------|-----------|
| | | | 0 | ' | '' | 0 | ' | '' | | | | | | | | | | | | |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | | Temperature °C Wet ↓ bulb | | | Wind Dir. Speed kn. | | Mixed layer depth m | | | | | | | | | |
| | | Obs. time | Obs. depth m | | | Temperature °C ↓ | | | Salinity ‰ ↓ | | | σ_t ↓ | | ml / l ↓ | | Oxygen ↓ | Saturat. ‰ ↓ | Salin. method | Extra info. | Card code |

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| | | | | | | | | | | | | | | |
|----|------|----|----|----|-----|--|--|--|--|--|--|---|---|----|
| 01 | 0000 | 14 | 3 | 31 | 6 | | | | | | | 4 | 0 | 03 |
| 01 | 0020 | 13 | 23 | 34 | 204 | | | | | | | 3 | 0 | 03 |
| 01 | 0030 | 10 | 45 | 34 | 752 | | | | | | | 3 | 0 | 03 |
| 01 | 0040 | 07 | 58 | 34 | 774 | | | | | | | 3 | 0 | 03 |
| 01 | 0050 | 07 | 44 | 34 | 927 | | | | | | | 3 | 0 | 03 |
| 01 | 0060 | 07 | 80 | 35 | 144 | | | | | | | 3 | 0 | 03 |
| 01 | 0070 | 06 | 86 | 35 | 042 | | | | | | | 3 | 0 | 03 |
| 01 | 0080 | 06 | 82 | 35 | 039 | | | | | | | 3 | 0 | 03 |
| 01 | 0090 | 06 | 95 | 35 | 100 | | | | | | | 3 | 0 | 03 |
| 01 | 0100 | 06 | 80 | 35 | 114 | | | | | | | 3 | 0 | 03 |
| 01 | 0125 | 06 | 84 | 35 | 127 | | | | | | | 3 | 0 | 03 |
| 01 | 0150 | 06 | 75 | 35 | 155 | | | | | | | 3 | 0 | 03 |
| 01 | 0175 | 06 | 60 | 35 | 163 | | | | | | | 3 | 0 | 03 |
| 01 | 0200 | 06 | 63 | 35 | 163 | | | | | | | 3 | 0 | 03 |

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0300 13 5 19 16 015

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|----|------|----|----|----|-----|--|--|--|--|--|--|---|---|----|
| 03 | 0000 | 14 | 4 | 31 | 0 | | | | | | | 4 | 0 | 03 |
| 03 | 0005 | 14 | 4 | 31 | 0 | | | | | | | 4 | 0 | 03 |
| 03 | 0010 | 14 | 4 | 31 | 0 | | | | | | | 4 | 0 | 03 |
| 03 | 0015 | 14 | 5 | 31 | 8 | | | | | | | 4 | 0 | 03 |
| 03 | 0020 | 11 | 65 | 34 | 237 | | | | | | | 3 | 0 | 03 |
| 03 | 0030 | 08 | 65 | 34 | 840 | | | | | | | 3 | 0 | 03 |
| 03 | 0040 | 07 | 21 | 34 | 796 | | | | | | | 3 | 0 | 03 |
| 03 | 0050 | 07 | 43 | 34 | 973 | | | | | | | 3 | 0 | 03 |
| 03 | 0060 | 08 | 01 | 35 | 171 | | | | | | | 3 | 0 | 03 |
| 03 | 0070 | 07 | 83 | 35 | 157 | | | | | | | 3 | 0 | 03 |
| 03 | 0080 | 07 | 11 | 35 | 097 | | | | | | | 3 | 0 | 03 |
| 03 | 0090 | 06 | 90 | 35 | 088 | | | | | | | 3 | 0 | 03 |
| 03 | 0100 | 06 | 70 | 35 | 088 | | | | | | | 3 | 0 | 03 |
| 03 | 0125 | 06 | 69 | 35 | 150 | | | | | | | 3 | 0 | 03 |
| 03 | 0150 | 06 | 77 | 35 | 156 | | | | | | | 3 | 0 | 03 |
| 03 | 0175 | 06 | 77 | 35 | 170 | | | | | | | 3 | 0 | 03 |
| 03 | 0200 | 06 | 69 | 35 | 174 | | | | | | | 3 | 0 | 03 |
| 03 | 0300 | 06 | 51 | 35 | 193 | | | | | | | 3 | 0 | 03 |

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0215 13 21 14 015

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|----|------|----|----|----|-----|--|--|--|--|--|--|---|---|----|
| 05 | 0000 | 14 | 35 | 31 | 00 | | | | | | | 4 | 0 | 03 |
| 04 | 0005 | 14 | 30 | 31 | 00 | | | | | | | 4 | 0 | 03 |
| 04 | 0010 | 14 | 35 | 31 | 45 | | | | | | | 4 | 0 | 03 |
| 04 | 0015 | 14 | 35 | 33 | 38 | | | | | | | 4 | 0 | 03 |
| 05 | 0020 | 13 | 49 | 34 | 141 | | | | | | | 3 | 0 | 03 |
| 05 | 0030 | 08 | 41 | 34 | 636 | | | | | | | 3 | 0 | 03 |
| 05 | 0040 | 07 | 18 | 34 | 845 | | | | | | | 3 | 0 | 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|---------|------|-------------------|----------------|----------------|----|----------------|------------|----|---------|------------|------|---------------------|---------------|--------------|--------------|-----|
| | | | 0 | ' | '' | 0 | ' | '' | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | | Mixed layer depth m | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| | | Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen Saturat. % | Salin. method | Extra info. | Card code | |
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|----|------|-------|--|----|-----|--|--|--|--|--|--|---|---|----|
| 05 | 0050 | 07 55 | | 35 | 041 | | | | | | | 3 | 0 | 03 |
| 05 | 0060 | 07 86 | | | | | | | | | | | 0 | 03 |
| 05 | 0070 | 07 54 | | 35 | 128 | | | | | | | 3 | 0 | 03 |
| 05 | 0080 | 07 10 | | 35 | 090 | | | | | | | 3 | 0 | 03 |
| 04 | 0090 | 06 74 | | 35 | 057 | | | | | | | 3 | 0 | 03 |
| 04 | 0100 | 06 62 | | 35 | 087 | | | | | | | 3 | 0 | 03 |
| 04 | 0125 | 06 82 | | 35 | 173 | | | | | | | 3 | 0 | 03 |
| 04 | 0150 | 06 74 | | 35 | 173 | | | | | | | 3 | 0 | 03 |
| 04 | 0175 | 06 65 | | 35 | 183 | | | | | | | 3 | 0 | 03 |
| 04 | 0200 | 06 65 | | 35 | 193 | | | | | | | 3 | 0 | 03 |

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|----|----|------|-------|---|-------|-------|----|-----|---|---|---|---|
| 77 | 11 | 0461 | 58 09 | 0 | 10 06 | 63 09 | 24 | 06 | 2 | 8 | 3 | 9 |
| | | 0235 | 14 | | | 16 12 | | 010 | | | | |

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|----|------|-------|--|----|-----|--|--|--|---|---|----|
| 07 | 0000 | 14 35 | | 31 | 35 | | | | 4 | 0 | 03 |
| 07 | 0005 | 14 35 | | 31 | 35 | | | | 4 | 0 | 03 |
| 07 | 0010 | 14 35 | | 31 | 35 | | | | 4 | 0 | 03 |
| 07 | 0015 | 14 45 | | 31 | 90 | | | | 4 | 0 | 03 |
| 07 | 0020 | 14 43 | | 34 | 063 | | | | 3 | 0 | 03 |
| 07 | 0030 | 08 99 | | 34 | 642 | | | | 3 | 0 | 03 |
| 07 | 0040 | 07 74 | | 34 | 827 | | | | 3 | 0 | 03 |
| 07 | 0050 | 08 25 | | 35 | 185 | | | | 3 | 0 | 03 |
| 07 | 0060 | 08 26 | | 35 | 213 | | | | 3 | 0 | 03 |
| 07 | 0070 | 08 20 | | 35 | 217 | | | | 3 | 0 | 03 |
| 07 | 0080 | 07 79 | | 35 | 179 | | | | 3 | 0 | 03 |
| 06 | 0090 | 07 40 | | 35 | 131 | | | | 3 | 0 | 03 |
| 06 | 0100 | 06 84 | | 35 | 090 | | | | 3 | 0 | 03 |
| 06 | 0125 | 06 86 | | 35 | 175 | | | | 3 | 0 | 03 |
| 06 | 0150 | 06 89 | | 35 | 182 | | | | 3 | 0 | 03 |
| 06 | 0175 | 06 89 | | 35 | 189 | | | | 3 | 0 | 03 |
| 06 | 0200 | 06 83 | | 35 | 197 | | | | 3 | 0 | 03 |
| 06 | 0225 | 06 85 | | 35 | 187 | | | | 3 | 0 | 03 |

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|----|----|------|-------|---|-------|-------|----|-----|---|---|---|---|
| 77 | 11 | 0462 | 58 22 | 0 | 09 56 | 63 09 | 24 | 08 | 1 | 6 | 3 | 9 |
| | | 0505 | 15 | | | 14 12 | | 015 | | | | |

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|----|------|-------|--|----|-----|--|--|--|---|---|----|
| 08 | 0000 | 14 3 | | 30 | 3 | | | | 4 | 0 | 03 |
| 08 | 0005 | 14 35 | | 30 | 4 | | | | 4 | 0 | 03 |
| 08 | 0010 | 14 35 | | 30 | 4 | | | | 4 | 0 | 03 |
| 08 | 0015 | 14 4 | | 31 | 5 | | | | 4 | 0 | 03 |
| 10 | 0019 | 10 68 | | 34 | 315 | | | | 3 | 0 | 03 |
| 10 | 0029 | 07 55 | | 34 | 695 | | | | 3 | 0 | 03 |
| 10 | 0039 | 06 81 | | 34 | 907 | | | | 3 | 0 | 03 |
| 10 | 0048 | 07 08 | | 35 | 039 | | | | 3 | 0 | 03 |
| 10 | 0058 | 06 57 | | 35 | 032 | | | | 3 | 0 | 03 |
| 10 | 0068 | 06 38 | | 35 | 033 | | | | 3 | 0 | 03 |
| 10 | 0077 | 06 18 | | 35 | 039 | | | | 3 | 0 | 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|-----------|--------|------------|---------------|-------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | Wind | | | | Mixed layer depth m | | | | | |
| | | | Dry ↓ | bulb | Wet ↓ | bulb | Dir. | Speed kn. | | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | | | | |
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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|
| 10 | 0087 | 06 | 15 | | 35 | 050 | | | | | | 3 | 0 | 03 |
| 09 | 0094 | 06 | 14 | | 35 | 054 | | | | | | 3 | 0 | 03 |
| 09 | 0141 | 05 | 67 | | 35 | 079 | | | | | | 3 | 0 | 03 |
| 09 | 0148 | 05 | 98 | | 35 | 074 | | | | | | 3 | 0 | 03 |
| 09 | 0165 | 05 | 63 | | 35 | 064 | | | | | | 3 | 0 | 03 |
| 09 | 0188 | 05 | 59 | | 35 | 098 | | | | | | 3 | 0 | 03 |
| 09 | 0282 | 05 | 11 | | 35 | 073 | | | | | | 3 | 0 | 03 |
| 09 | 0376 | 04 | 54 | | 35 | 044 | | | | | | 3 | 0 | 03 |
| 09 | 0447 | 04 | 41 | | 35 | 035 | | | | | | 3 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0463 | 58 | 24 | 0 | 10 | 09 | 63 | 09 | 24 | 11 | 2 | 8 | 3 | 9 |
| | | 0470 | 15 | | | | | 11 | 16 | | 014 | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|
| 11 | 0000 | 14 | 35 | | 31 | 0 | | | | | | 4 | 0 | 03 |
| 11 | 0005 | 14 | 35 | | 31 | 0 | | | | | | 4 | 0 | 03 |
| 11 | 0010 | 14 | 35 | | 31 | 0 | | | | | | 4 | 0 | 03 |
| 11 | 0015 | 13 | 6 | | 33 | 22 | | | | | | 4 | 0 | 03 |
| 12 | 0019 | 10 | 91 | | 34 | 232 | | | | | | 3 | 0 | 03 |
| 12 | 0029 | 07 | 41 | | 34 | 729 | | | | | | 3 | 0 | 03 |
| 12 | 0039 | 06 | 78 | | 34 | 844 | | | | | | 3 | 0 | 03 |
| 12 | 0048 | 07 | 12 | | 35 | 063 | | | | | | 3 | 0 | 03 |
| 12 | 0058 | 06 | 72 | | 35 | 039 | | | | | | 3 | 0 | 03 |
| 12 | 0068 | 06 | 81 | | 35 | 101 | | | | | | 3 | 0 | 03 |
| 12 | 0077 | 06 | 53 | | 35 | 109 | | | | | | 3 | 0 | 03 |
| 12 | 0087 | 06 | 38 | | 35 | 100 | | | | | | 3 | 0 | 03 |
| 11 | 0092 | 06 | 19 | | 35 | 095 | | | | | | 3 | 0 | 03 |
| 11 | 0115 | 06 | 07 | | 35 | 106 | | | | | | 3 | 0 | 03 |
| 11 | 0139 | 05 | 68 | | 35 | 084 | | | | | | 3 | 0 | 03 |
| 11 | 0162 | 05 | 87 | | 35 | 146 | | | | | | 3 | 0 | 03 |
| 11 | 0185 | 06 | 10 | | 35 | 174 | | | | | | 3 | 0 | 03 |
| 11 | 0278 | 05 | 33 | | 35 | 091 | | | | | | 3 | 0 | 03 |
| 11 | 0370 | 04 | 82 | | 35 | 068 | | | | | | 3 | 0 | 03 |
| 11 | 0416 | 04 | 68 | | 35 | 041 | | | | | | 3 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 11 | 0464 | 58 | 27 | 0 | 10 | 22 | 63 | 09 | 24 | 13 | 2 | 8 | 5 | 9 |
| | | 0385 | 15 | | | | | 14 | 26 | | 013 | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|
| 14 | 0000 | 14 | 4 | | 30 | 8 | | | | | | 4 | 0 | 03 |
| 14 | 0005 | 14 | 4 | | 30 | 8 | | | | | | 4 | 0 | 03 |
| 14 | 0010 | 14 | 4 | | 31 | 0 | | | | | | 4 | 0 | 03 |
| 14 | 0015 | 14 | 2 | | 31 | 1 | | | | | | 4 | 0 | 03 |
| 14 | 0020 | 12 | 99 | | 33 | 848 | | | | | | 3 | 0 | 03 |
| 14 | 0030 | 08 | 10 | | 34 | 613 | | | | | | 3 | 0 | 03 |
| 14 | 0040 | 07 | 13 | | 34 | 772 | | | | | | 3 | 0 | 03 |
| 14 | 0050 | 07 | 32 | | 34 | 995 | | | | | | 3 | 0 | 03 |
| 14 | 0060 | 07 | 55 | | 35 | 096 | | | | | | 3 | 0 | 03 |
| 14 | 0070 | 07 | 14 | | 35 | 078 | | | | | | 3 | 0 | 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | -Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 14 | 0080 | 06 | 60 | | 35 | 016 | | | | | | 3 | 0 | 03 | | |
| 14 | 0090 | 06 | 47 | | 35 | 045 | | | | | | 3 | 0 | 03 | | |
| 13 | 0108 | 06 | 22 | | 35 | 045 | | | | | | 3 | 0 | 03 | | |
| 13 | 0130 | 05 | 96 | | 35 | 066 | | | | | | 3 | 0 | 03 | | |
| 13 | 0152 | 06 | 14 | | 35 | 115 | | | | | | 3 | 0 | 03 | | |
| 13 | 0173 | 06 | 17 | | 35 | 150 | | | | | | 3 | 0 | 03 | | |
| 13 | 0260 | 05 | 56 | | 35 | 126 | | | | | | 3 | 0 | 03 | | |
| 13 | 0345 | 05 | 11 | | 35 | 079 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0465 | 58 | 28 | 0 | 10 | 35 | 63 | 09 | 24 | 15 | 6 | 8 | 5 | 9 | |
| | | 0195 | 15 | | | | | 14 | 26 | | 016 | | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 16 | 0000 | 14 | 45 | | 31 | 95 | | | | | | 4 | 0 | 03 | | |
| 16 | 0005 | 14 | 45 | | 31 | 95 | | | | | | 4 | 0 | 03 | | |
| 16 | 0010 | 14 | 45 | | 31 | 95 | | | | | | 4 | 0 | 03 | | |
| 16 | 0015 | 14 | 55 | | 32 | 13 | | | | | | 4 | 0 | 03 | | |
| 15 | 0020 | 14 | 46 | | 33 | 132 | | | | | | 3 | 0 | 03 | | |
| 15 | 0030 | 09 | 48 | | 34 | 465 | | | | | | 3 | 0 | 03 | | |
| 15 | 0040 | 07 | 49 | | 34 | 825 | | | | | | 3 | 0 | 03 | | |
| 15 | 0050 | 07 | 71 | | 35 | 025 | | | | | | 3 | 0 | 03 | | |
| 15 | 0060 | 07 | 65 | | 35 | 140 | | | | | | 3 | 0 | 03 | | |
| 15 | 0070 | 07 | 19 | | 35 | 078 | | | | | | 3 | 0 | 03 | | |
| 15 | 0080 | 06 | 99 | | 35 | 056 | | | | | | 3 | 0 | 03 | | |
| 15 | 0090 | 06 | 78 | | 35 | 045 | | | | | | 3 | 0 | 03 | | |
| 15 | 0100 | 06 | 79 | | 35 | 045 | | | | | | 3 | 0 | 03 | | |
| 15 | 0125 | 06 | 78 | | 35 | 073 | | | | | | 3 | 0 | 03 | | |
| 15 | 0150 | 06 | 70 | | 35 | 142 | | | | | | 3 | 0 | 03 | | |
| 15 | 0175 | 06 | 67 | | 35 | 147 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0466 | 58 | 30 | 0 | 10 | 47 | 63 | 09 | 24 | 17 | 6 | 8 | 4 | 9 | |
| | | 0125 | 15 | | | | | 14 | 24 | | 018 | | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 17 | 0000 | 14 | 40 | | 31 | 55 | | | | | | 4 | 0 | 03 | | |
| 17 | 0005 | 14 | 40 | | 31 | 55 | | | | | | 4 | 0 | 03 | | |
| 17 | 0010 | 14 | 40 | | 31 | 55 | | | | | | 4 | 0 | 03 | | |
| 17 | 0015 | 14 | 40 | | 31 | 65 | | | | | | 4 | 0 | 03 | | |
| 17 | 0020 | 14 | 50 | | 32 | 003 | | | | | | 3 | 0 | 03 | | |
| 17 | 0030 | 14 | 24 | | 33 | 463 | | | | | | 3 | 0 | 03 | | |
| 17 | 0040 | 11 | 31 | | 34 | 546 | | | | | | 3 | 0 | 03 | | |
| 17 | 0050 | 09 | 98 | | 34 | 643 | | | | | | 3 | 0 | 03 | | |
| 17 | 0060 | 08 | 44 | | 34 | 761 | | | | | | 3 | 0 | 03 | | |
| 17 | 0070 | 07 | 14 | | 34 | 890 | | | | | | 3 | 0 | 03 | | |
| 17 | 0080 | 07 | 00 | | 35 | 006 | | | | | | 3 | 0 | 03 | | |
| 17 | 0090 | 06 | 78 | | 35 | 076 | | | | | | 3 | 0 | 03 | | |
| 17 | 0100 | 06 | 73 | | 35 | 108 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0467 | 58 | 32 | 0 | 10 | 59 | 63 | 09 | 24 | 18 | 6 | 8 | 4 | 9 | |
| | | 0065 | 14 | | | | | 14 | 26 | | 040 | | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|------|--------|------------|---------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | | | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | | | |

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|---------|-------|--------|--------|
| 18 0000 | 14 4 | 31 0 | 4 0 03 |
| 18 0005 | 14 4 | 31 0 | 4 0 03 |
| 18 0010 | 14 55 | 31 2 | 4 0 03 |
| 18 0015 | 14 65 | 31 6 | 4 0 03 |
| 18 0020 | 14 79 | 32 236 | 3 0 03 |
| 18 0030 | 14 87 | 32 956 | 3 0 03 |
| 18 0040 | 14 51 | 33 753 | 3 0 03 |
| 18 0050 | 13 07 | 34 159 | 3 0 03 |
| 18 0060 | 08 38 | 34 794 | 3 0 03 |

77 11 0468 58 36 0 11 05 63 09 24 19 6 8 3 9
0075 14 18 18 040

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|---------|-------|--------|--------|
| 20 0000 | 14 3 | 26 1 | 4 0 03 |
| 20 0005 | 14 3 | 26 5 | 4 0 03 |
| 20 0010 | 14 3 | 27 6 | 4 0 03 |
| 20 0015 | 14 45 | 28 4 | 4 0 03 |
| 19 0020 | 14 46 | 29 283 | 3 0 03 |
| 19 0030 | 14 77 | 32 030 | 3 0 03 |
| 19 0040 | 14 06 | 33 855 | 3 0 03 |
| 19 0050 | 12 10 | 34 039 | 3 0 03 |
| 19 0060 | 09 85 | 34 448 | 3 0 03 |
| 19 0070 | 08 92 | 34 715 | 3 0 03 |

77 11 0469 58 23 0 09 56 63 09 25 20 1 1 5 9
0505 13 27 28 014

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|---------|-------|--------|--------|
| 20 0000 | 14 35 | 30 7 | 4 0 03 |
| 20 0005 | 14 35 | 30 7 | 4 0 03 |
| 20 0010 | 14 4 | 30 8 | 4 0 03 |
| 20 0015 | 13 7 | 32 52 | 4 0 03 |
| 20 0020 | 08 31 | 34 574 | 3 0 03 |
| 20 0030 | 06 72 | 34 837 | 3 0 03 |
| 20 0040 | 06 60 | 34 941 | 3 0 03 |
| 20 0050 | 06 35 | 34 994 | 3 0 03 |
| 20 0060 | 06 42 | 35 052 | 3 0 03 |
| 20 0070 | 06 38 | 35 071 | 3 0 03 |
| 20 0080 | 06 13 | 35 071 | 3 0 03 |
| 20 0100 | 06 11 | 35 100 | 3 0 03 |

77 11 0470 58 24 0 10 09 63 09 25 21 1 1 5 9
0450 13 27 26 013

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|---------|------|------|--------|
| 21 0000 | 14 3 | 30 8 | 4 0 03 |
| 21 0005 | 14 3 | 30 8 | 4 0 03 |
| 21 0010 | 14 3 | 30 8 | 4 0 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |
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|---------|-------|--------|--------|
| 21 0015 | 11 9 | 34 03 | 4 0 03 |
| 21 0020 | 09 12 | 34 483 | 3 0 03 |
| 21 0030 | 07 02 | 34 774 | 3 0 03 |
| 21 0040 | 06 79 | 34 926 | 3 0 03 |
| 21 0050 | 06 93 | 35 053 | 3 0 03 |
| 21 0060 | 06 86 | 35 080 | 3 0 03 |
| 21 0070 | 06 65 | 35 084 | 3 0 03 |
| 21 0080 | 06 23 | 35 051 | 3 0 03 |
| 21 0100 | 05 97 | 35 072 | 3 0 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0471 | 58 27 | 0 | 10 22 | 63 09 | 25 | 23 | 1 2 5 9 |
| 0385 | 11 | | | 27 28 | | 016 | |

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|---------|-------|--------|--------|
| 23 0000 | 14 3 | 30 9 | 4 0 03 |
| 23 0005 | 14 3 | 30 9 | 4 0 03 |
| 23 0010 | 14 3 | 30 9 | 4 0 03 |
| 23 0015 | 14 15 | 31 7 | 4 0 03 |
| 23 0020 | 09 40 | 34 475 | 3 0 03 |
| 23 0030 | 07 33 | 34 766 | 3 0 03 |
| 23 0040 | 06 65 | 34 863 | 3 0 03 |
| 23 0050 | 06 49 | 34 912 | 3 0 03 |
| 23 0060 | 06 45 | 34 955 | 3 0 03 |
| 23 0070 | 06 43 | 35 018 | 3 0 03 |
| 23 0080 | 06 32 | 35 026 | 3 0 03 |
| 23 0100 | 06 29 | 35 083 | 3 0 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0472 | 58 28 | 0 | 10 35 | 63 09 | 26 | 01 | 1 1 5 9 |
| 0195 | 11 | | | 27 28 | | 014 | |

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|---------|-------|--------|--------|
| 00 0000 | 14 3 | 31 1 | 4 0 03 |
| 00 0005 | 14 3 | 31 1 | 4 0 03 |
| 00 0010 | 14 3 | 31 2 | 4 0 03 |
| 00 0015 | 14 3 | 32 0 | 4 0 03 |
| 01 0020 | 13 85 | 32 987 | 3 0 03 |
| 01 0030 | 08 28 | 34 611 | 3 0 03 |
| 01 0040 | 07 33 | 34 910 | 3 0 03 |
| 01 0050 | 07 74 | 35 088 | 3 0 03 |
| 01 0060 | 08 03 | 35 183 | 3 0 03 |
| 01 0070 | 07 81 | 35 167 | 3 0 03 |
| 01 0080 | 07 44 | 35 145 | 3 0 03 |
| 01 0100 | 06 93 | 35 137 | 3 0 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0473 | 58 30 | 0 | 10 47 | 63 09 | 26 | 02 | 0 0 5 9 |
| 0135 | 11 | | | 27 30 | | 012 | |

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|---------|-------|------|--------|
| 02 0000 | 14 35 | 31 4 | 4 0 03 |
|---------|-------|------|--------|

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|-----------|--------|------------|---------------|-------------|-----------|--------------|---------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | | Wind | | Mixed layer | | | | | | |
| | | | Dry ↓ | bulb | Wet ↓ | bulb | Dir. | Speed kn. | | | depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | | | | |
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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 02 | 0005 | 14 | 35 | | 31 | 4 | | | | | | 4 | 0 | 03 | | |
| 02 | 0010 | 14 | 35 | | 31 | 5 | | | | | | 4 | 0 | 03 | | |
| 02 | 0015 | 14 | 65 | | 32 | 81 | | | | | | 4 | 0 | 03 | | |
| 02 | 0020 | 14 | 65 | | 33 | 026 | | | | | | 3 | 0 | 03 | | |
| 02 | 0030 | 13 | 43 | | 34 | 440 | | | | | | 3 | 0 | 03 | | |
| 02 | 0040 | 11 | 75 | | 34 | 628 | | | | | | 3 | 0 | 03 | | |
| 02 | 0050 | 09 | 05 | | 34 | 663 | | | | | | 3 | 0 | 03 | | |
| 02 | 0060 | 07 | 55 | | 34 | 721 | | | | | | 3 | 0 | 03 | | |
| 02 | 0070 | 07 | 34 | | 34 | 822 | | | | | | 3 | 0 | 03 | | |
| 02 | 0080 | 06 | 93 | | 34 | 922 | | | | | | 3 | 0 | 03 | | |
| 02 | 0100 | 06 | 89 | | 35 | 061 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0474 | 58 | 32 | 0 | 10 | 59 | 63 | 09 | 26 | 04 | 0 | 0 | 5 | 9 | |
| | | 0070 | 11 | | | | | 27 | 28 | | 000 | | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 04 | 0000 | 14 | 2 | | 29 | 05 | | | | | | 4 | 0 | 03 | | |
| 04 | 0005 | 14 | 5 | | 31 | 10 | | | | | | 4 | 0 | 03 | | |
| 04 | 0010 | 14 | 6 | | 31 | 25 | | | | | | 4 | 0 | 03 | | |
| 04 | 0015 | 14 | 8 | | 32 | 13 | | | | | | 4 | 0 | 03 | | |
| 04 | 0020 | 14 | 86 | | 32 | 473 | | | | | | 3 | 0 | 03 | | |
| 04 | 0030 | 14 | 68 | | 33 | 099 | | | | | | 3 | 0 | 03 | | |
| 04 | 0040 | 14 | 07 | | 34 | 044 | | | | | | 3 | 0 | 03 | | |
| 04 | 0050 | 11 | 47 | | 34 | 522 | | | | | | 3 | 0 | 03 | | |
| 04 | 0060 | 09 | 56 | | 34 | 672 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0475 | 58 | 36 | 0 | 11 | 05 | 63 | 09 | 26 | 05 | 1 | 2 | 2 | 9 | |
| | | 0070 | 11 | | | | | 27 | 24 | | 010 | | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 07 | 0000 | 14 | 05 | | 26 | 55 | | | | | | 4 | 0 | 03 | | |
| 07 | 0005 | 14 | 05 | | 26 | 55 | | | | | | 4 | 0 | 03 | | |
| 07 | 0010 | 14 | 40 | | 28 | 05 | | | | | | 4 | 0 | 03 | | |
| 07 | 0015 | 14 | 55 | | 28 | 90 | | | | | | 4 | 0 | 03 | | |
| 05 | 0020 | 14 | 57 | | 29 | 364 | | | | | | 3 | 0 | 03 | | |
| 05 | 0030 | 14 | 84 | | 31 | 831 | | | | | | 3 | 0 | 03 | | |
| 05 | 0040 | 14 | 98 | | 32 | 543 | | | | | | 3 | 0 | 03 | | |
| 05 | 0050 | 14 | 46 | | 33 | 468 | | | | | | 3 | 0 | 03 | | |
| 05 | 0060 | 12 | 03 | | 34 | 071 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0476 | 55 | 00 | 0 | 14 | 05 | 63 | 10 | 22 | 07 | 2 | 8 | 2 | 9 | |
| | | 0048 | 09 | | | | | 18 | 16 | | 009 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|----|----|---|---|----|--|--|
| 07 | 0000 | 08 | 06 | | 07 | 78 | | | | 07 | 71 | 1 | 3 | 03 | | |
| 07 | 0005 | 08 | 08 | | 07 | 77 | | | | | | 1 | 3 | 03 | | |
| 07 | 0010 | 08 | 18 | | 07 | 81 | | | | 07 | 71 | 1 | 3 | 03 | | |
| 07 | 0015 | 09 | 07 | | 08 | 33 | | | | | | 1 | 3 | 03 | | |
| 07 | 0020 | 09 | 71 | | 08 | 60 | | | | | | 1 | 3 | 03 | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |

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|----|------|----|----|--|----|----|--|--|--|----|----|---|---|----|--|--|
| 07 | 0030 | 11 | 52 | | 13 | 90 | | | | 06 | 04 | 1 | 3 | 03 | | |
| 07 | 0040 | 12 | 06 | | 17 | 41 | | | | 05 | 19 | 1 | 3 | 03 | | |
| 07 | 0045 | 11 | 75 | | 20 | 53 | | | | 03 | 80 | 1 | 3 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0477 | 55 | 18 | 0 | 14 | 24 | 63 | 10 | 22 | 10 | 2 | 8 | 3 | 9 | |
| | | 0049 | 09 | | | | | 18 | 14 | | 018 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|----|----|---|---|----|--|--|
| 10 | 0000 | 07 | 23 | | 07 | 60 | | | | 07 | 70 | 1 | 3 | 03 | | |
| 10 | 0005 | 07 | 23 | | 07 | 60 | | | | 07 | 74 | 1 | 3 | 03 | | |
| 10 | 0010 | 07 | 22 | | 07 | 60 | | | | 07 | 75 | 1 | 3 | 03 | | |
| 10 | 0015 | 07 | 23 | | 07 | 60 | | | | 07 | 72 | 1 | 3 | 03 | | |
| 10 | 0020 | 07 | 23 | | 07 | 62 | | | | 07 | 73 | 1 | 3 | 03 | | |
| 10 | 0030 | 04 | 46 | | 08 | 28 | | | | 07 | 37 | 1 | 3 | 03 | | |
| 10 | 0040 | 10 | 70 | | 13 | 45 | | | | 05 | 46 | 1 | 3 | 03 | | |
| 10 | 0045 | 11 | 87 | | 17 | 20 | | | | 04 | 98 | 1 | 3 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0478 | 55 | 23 | 0 | 15 | 17 | 63 | 10 | 22 | 15 | 2 | 8 | 3 | 9 | |
| | | 0090 | 09 | | | | | 23 | 18 | | 025 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|----|----|---|---|----|--|--|
| 15 | 0000 | 10 | 46 | | 07 | 69 | | | | 07 | 22 | 1 | 3 | 03 | | |
| 15 | 0005 | 10 | 49 | | 07 | 69 | | | | | | 1 | 3 | 03 | | |
| 15 | 0010 | 10 | 41 | | 07 | 67 | | | | 07 | 20 | 1 | 3 | 03 | | |
| 15 | 0020 | 10 | 38 | | 07 | 67 | | | | | | 1 | 3 | 03 | | |
| 15 | 0030 | 09 | 63 | | 07 | 77 | | | | 07 | 18 | 1 | 3 | 03 | | |
| 15 | 0040 | 03 | 14 | | 08 | 58 | | | | | | 1 | 3 | 03 | | |
| 15 | 0050 | 06 | 52 | | 11 | 90 | | | | 05 | 41 | 1 | 3 | 03 | | |
| 15 | 0060 | 07 | 36 | | 13 | 91 | | | | | | 1 | 3 | 03 | | |
| 15 | 0070 | 10 | 44 | | 16 | 32 | | | | 04 | 80 | 1 | 3 | 03 | | |
| 15 | 0080 | 09 | 61 | | 17 | 48 | | | | 03 | 43 | 1 | 3 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0479 | 55 | 15 | 0 | 15 | 59 | 63 | 10 | 22 | 18 | 2 | 8 | 4 | 9 | |
| | | 0091 | 10 | | | | | 23 | 24 | | 017 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|----|-----|---|---|----|--|--|
| 18 | 0000 | 10 | 00 | | 07 | 55 | | | | 07 | 24 | 1 | 3 | 03 | | |
| 18 | 0010 | 10 | 02 | | 07 | 55 | | | | 07 | 38 | 1 | 3 | 03 | | |
| 18 | 0020 | 09 | 51 | | 07 | 53 | | | | 07 | 39 | 1 | 3 | 03 | | |
| 18 | 0030 | 08 | 34 | | 07 | 49 | | | | 07 | 47 | 1 | 3 | 03 | | |
| 18 | 0040 | 04 | 92 | | 07 | 55 | | | | 07 | 83 | 1 | 3 | 03 | | |
| 18 | 0050 | 03 | 29 | | 08 | 90 | | | | 04 | 09Q | 1 | 3 | 03 | | |
| 18 | 0060 | 06 | 57 | | 13 | 59 | | | | 04 | 55 | 1 | 3 | 03 | | |
| 18 | 0070 | 07 | 62 | | 15 | 18 | | | | 02 | 83 | 1 | 3 | 03 | | |
| 18 | 0080 | 08 | 31 | | 16 | 73 | | | | 02 | 82 | 1 | 3 | 03 | | |
| 18 | 0087 | 08 | 78 | | 18 | 01 | | | | 01 | 78 | 1 | 3 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 11 | 0480 | 55 | 13 | 0 | 17 | 09 | 63 | 10 | 22 | 23 | 2 | 8 | 3 | 9 | |
| | | 0092 | 10 | | | | | 27 | 10 | | 040 | | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|-------|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0:N+E | 1:N+W | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |
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|---------|-------|-------|-------|--------|
| 23 0000 | 10 55 | 07 49 | 07 27 | 1 3 03 |
| 23 0010 | 10 61 | 07 49 | 07 30 | 1 3 03 |
| 23 0020 | 10 50 | 07 51 | | 1 3 03 |
| 23 0030 | 10 46 | 07 53 | 07 35 | 1 3 03 |
| 23 0040 | 10 45 | 07 55 | | 1 3 03 |
| 23 0050 | 03 14 | 08 47 | 06 74 | 1 3 03 |
| 23 0060 | 03 53 | 09 64 | | 1 3 03 |
| 23 0070 | 05 42 | 12 34 | 04 36 | 1 3 03 |
| 23 0080 | 06 18 | 13 93 | | 1 3 03 |
| 23 0090 | 06 40 | 14 54 | 02 93 | 1 3 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0481 | 56 07 | 0 | 19 19 | 63 10 | 23 | 09 | 2 7 3 9 |
| 0120 | 09 | | | 02 16 | | 029 | |

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|---------|-------|-------|-------|--------|
| 09 0000 | 07 61 | 07 31 | 08 16 | 1 3 03 |
| 09 0005 | 07 57 | 07 31 | 07 84 | 1 3 03 |
| 09 0010 | 07 54 | 07 31 | 07 87 | 1 3 03 |
| 09 0015 | 07 57 | 07 31 | 07 82 | 1 3 03 |
| 09 0020 | 07 59 | 07 29 | 07 81 | 1 3 03 |
| 09 0030 | 07 60 | 07 31 | 07 83 | 1 3 03 |
| 09 0040 | 01 59 | 07 66 | 08 60 | 1 3 03 |
| 09 0050 | 01 54 | 07 83 | 08 09 | 1 3 03 |
| 09 0060 | 01 89 | 08 24 | 06 95 | 1 3 03 |
| 09 0070 | 02 85 | 09 27 | 04 79 | 1 3 03 |
| 09 0080 | 03 66 | 10 15 | 03 37 | 1 3 03 |
| 09 0090 | 04 47 | 10 96 | 01 84 | 1 3 03 |
| 09 0100 | 04 38 | 11 26 | 02 10 | 1 3 03 |
| 09 0110 | 04 53 | 11 64 | 02 22 | 1 3 03 |

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|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0482 | 57 20 | 0 | 20 03 | 63 10 | 23 | 17 | 2 8 2 9 |
| 0250 | 08 | | | 02 10 | | 023 | |

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|---------|-------|-------|-------|--------|
| 18 0000 | 09 02 | 07 02 | 07 51 | 1 3 03 |
| 18 0005 | 09 03 | 07 02 | 07 26 | 1 3 03 |
| 18 0010 | 09 05 | 07 02 | 07 44 | 1 3 03 |
| 18 0015 | 09 06 | 07 02 | 07 29 | 1 3 03 |
| 18 0020 | 09 09 | 07 04 | 07 24 | 1 3 03 |
| 18 0030 | 08 81 | 07 23 | 07 07 | 1 3 03 |
| 18 0040 | 08 22 | 07 29 | 07 30 | 1 3 03 |
| 18 0050 | 02 18 | 07 67 | 07 97 | 1 3 03 |
| 18 0060 | 01 64 | 07 83 | 07 57 | 1 3 03 |
| 18 0070 | 02 38 | 08 50 | 06 06 | 1 3 03 |
| 17 0080 | 03 39 | 09 49 | 03 72 | 1 3 03 |
| 17 0090 | 04 06 | 10 07 | 02 23 | 1 3 03 |
| 17 0100 | 04 28 | 10 42 | 01 72 | 1 3 03 |
| 17 0125 | 04 95 | 11 26 | 00 70 | 1 3 03 |
| 17 0150 | 05 54 | 12 24 | 00 00 | 1 3 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-------------------|--------------|----------------|------------------------------|---|------------|------------------------------|---|------------|---------------------------|--------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0 | 1 | 2 | 3 | 0 | 1 | | | | | | | | |
| Depth to bottom m | | | Temperature °C Dry ↓ bulb | | | Temperature °C Wet ↓ bulb | | | -Wind Dir. Speed kn. | | Mixed layer depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |

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|---------|-------|--|--|-------|--|--|--|----|--|--|--|--------|
| 17 0175 | 05 59 | | | 12 54 | | | | 00 | | | | 1 3 03 |
| 17 0200 | 05 52 | | | 12 62 | | | | 00 | | | | 1 3 03 |
| 17 0240 | 05 54 | | | 12 78 | | | | 00 | | | | 1 3 03 |

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|------------|-------|---|--|-------|--|--|-------|----|-----|--|--|---------|
| 77 11 0483 | 58 00 | 0 | | 19 53 | | | 63 10 | 23 | 22 | | | 1 5 1 9 |
| 0203 | 06 5 | | | | | | 27 10 | | 024 | | | |

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|---------|-------|--|--|-------|--|--|--|-------|--|--|--|--------|
| 23 0000 | 08 34 | | | 06 80 | | | | 07 40 | | | | 1 3 03 |
| 23 0005 | 08 32 | | | 06 80 | | | | 07 38 | | | | 1 3 03 |
| 23 0010 | 08 32 | | | 06 80 | | | | 07 27 | | | | 1 3 03 |
| 23 0015 | 08 33 | | | 06 80 | | | | 07 24 | | | | 1 3 03 |
| 23 0020 | 08 36 | | | 06 83 | | | | 07 15 | | | | 1 3 03 |
| 23 0030 | 07 86 | | | 06 93 | | | | 07 36 | | | | 1 3 03 |
| 23 0040 | 02 43 | | | 07 56 | | | | 08 29 | | | | 1 3 03 |
| 23 0050 | 01 95 | | | 07 73 | | | | 07 77 | | | | 1 3 03 |
| 23 0060 | 02 72 | | | 08 29 | | | | 05 47 | | | | 1 3 03 |
| 22 0070 | 03 07 | | | 08 57 | | | | 04 67 | | | | 1 3 03 |
| 22 0080 | 04 10 | | | 09 06 | | | | 03 01 | | | | 1 3 03 |
| 22 0090 | 04 46 | | | 10 06 | | | | 00 90 | | | | 1 3 03 |
| 22 0100 | 04 75 | | | 10 44 | | | | 00 56 | | | | 1 3 03 |
| 22 0125 | 05 18 | | | 11 08 | | | | 00 21 | | | | 1 3 03 |
| 22 0150 | 05 40 | | | 11 86 | | | | 00 00 | | | | 1 3 03 |
| 22 0190 | 05 51 | | | 12 07 | | | | 00 00 | | | | 1 3 03 |

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|------------|-------|---|--|-------|--|--|-------|----|-----|--|--|---------|
| 77 11 0484 | 58 35 | 0 | | 18 14 | | | 63 10 | 24 | 08 | | | 4 8 2 9 |
| 0450 | 05 | | | | | | 23 12 | | 018 | | | |

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|---------|-------|--|--|-------|--|--|--|-------|--|--|--|--------|
| 09 0000 | 06 32 | | | 06 91 | | | | 08 05 | | | | 1 3 03 |
| 09 0005 | 06 37 | | | 06 91 | | | | 07 99 | | | | 1 3 03 |
| 09 0010 | 06 33 | | | 06 91 | | | | 08 20 | | | | 1 3 03 |
| 09 0015 | 06 35 | | | 06 90 | | | | 08 01 | | | | 1 3 03 |
| 09 0020 | 05 30 | | | 06 99 | | | | 07 95 | | | | 1 3 03 |
| 09 0030 | 04 45 | | | 07 13 | | | | 07 63 | | | | 1 3 03 |
| 09 0040 | 03 66 | | | 07 32 | | | | 07 86 | | | | 1 3 03 |
| 09 0050 | 02 45 | | | 07 64 | | | | 07 27 | | | | 1 3 03 |
| 09 0060 | 02 53 | | | 08 02 | | | | 06 05 | | | | 1 3 03 |
| 09 0070 | 03 37 | | | 08 83 | | | | 03 71 | | | | 1 3 03 |
| 09 0080 | 04 13 | | | 09 66 | | | | 01 36 | | | | 1 3 03 |
| 09 0090 | 04 41 | | | 09 94 | | | | 00 86 | | | | 1 3 03 |
| 09 0100 | 04 62 | | | 10 21 | | | | 00 53 | | | | 1 3 03 |
| 09 0125 | 04 84 | | | 10 63 | | | | 00 23 | | | | 1 3 03 |
| 09 0150 | 04 94 | | | 10 76 | | | | 00 23 | | | | 1 3 03 |
| 08 0290 | 05 10 | | | 10 89 | | | | 00 18 | | | | 1 3 03 |
| 08 0386 | 05 04 | | | 10 92 | | | | 00 15 | | | | 1 3 03 |
| 08 0425 | 05 08 | | | 10 96 | | | | 00 26 | | | | 1 3 03 |

| | | | | | | | | | | | | |
|------------|-------|---|--|-------|--|--|-------|----|-----|--|--|---------|
| 77 11 0485 | 58 00 | 0 | | 18 00 | | | 63 10 | 24 | 17 | | | 0 0 2 9 |
| 0160 | 07 | | | | | | 20 12 | | 018 | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice | |
|---------|------|-------------------|------------------------------|---------------------|-------|------------------------------|-----------------|-------|--------------------------|---------------------|---------------------|--------------|-------------|-----------------|---------------|-------------|-----------|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0:E+W | 1:W+W | | | | | | | | | 2:S+E |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | | Temperature °C Wet ↓ bulb | | | Wind Dir. Speed kn. | | Mixed layer depth m | | | | | | |
| | | Obs. time | Obs. depth m | Temperature °C ↓ | | | Salinity ‰ ↓ | | | σ _t ↓ | | ml/l | Oxygen ↓ | Saturat. % ↓ | Salin. method | Extra info. | Card code |

77 11 0485

| | | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|--|--|----|----|--|---|---|----|
| 17 | 0000 | 06 | 28 | | 06 | 89 | | | | 08 | 05 | | 1 | 3 | 03 |
| 17 | 0005 | 06 | 28 | | 06 | 89 | | | | 08 | 13 | | 1 | 3 | 03 |
| 17 | 0010 | 06 | 24 | | 06 | 89 | | | | 08 | 12 | | 1 | 3 | 03 |
| 17 | 0015 | 06 | 15 | | 06 | 91 | | | | 08 | 13 | | 1 | 3 | 03 |
| 17 | 0020 | 05 | 60 | | 06 | 93 | | | | 08 | 03 | | 1 | 3 | 03 |
| 17 | 0030 | 05 | 18 | | 07 | 01 | | | | 08 | 21 | | 1 | 3 | 03 |
| 17 | 0040 | 02 | 70 | | 07 | 28 | | | | 08 | 25 | | 1 | 3 | 03 |
| 17 | 0050 | 02 | 00 | | 07 | 78 | | | | 06 | 95 | | 1 | 3 | 03 |
| 17 | 0060 | 03 | 40 | | 08 | 85 | | | | 03 | 44 | | 1 | 3 | 03 |
| 17 | 0070 | 04 | 11 | | 09 | 58 | | | | 01 | 48 | | 1 | 3 | 03 |
| 17 | 0080 | 04 | 28 | | 09 | 86 | | | | 00 | 89 | | 1 | 3 | 03 |
| 17 | 0090 | 04 | 45 | | 09 | 96 | | | | 00 | 71 | | 1 | 3 | 03 |
| 17 | 0100 | 04 | 59 | | 10 | 09 | | | | 00 | 48 | | 1 | 3 | 03 |
| 17 | 0125 | 04 | 71 | | 10 | 32 | | | | 00 | 18 | | 1 | 3 | 03 |
| 17 | 0150 | 04 | 75 | | 10 | 41 | | | | 00 | 14 | | 1 | 3 | 03 |

| | | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|--|---|---|---|---|
| 77 | 11 | 0486 | 57 | 07 | 0 | 17 | 40 | 63 | 10 | 24 | 23 | | 2 | 8 | 2 | 9 |
| | | 0109 | 07 | 5 | | | | 23 | 10 | | 023 | | | | | |

| | | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|--|--|----|----|--|---|---|----|
| 23 | 0000 | 07 | 03 | | 06 | 89 | | | | 07 | 94 | | 1 | 3 | 03 |
| 23 | 0005 | 06 | 99 | | 06 | 89 | | | | 07 | 92 | | 1 | 3 | 03 |
| 23 | 0010 | 07 | 08 | | 06 | 87 | | | | 07 | 90 | | 1 | 3 | 03 |
| 23 | 0015 | 07 | 04 | | 06 | 87 | | | | 07 | 95 | | 1 | 3 | 03 |
| 23 | 0020 | 07 | 01 | | 06 | 89 | | | | 07 | 89 | | 1 | 3 | 03 |
| 23 | 0030 | 06 | 12 | | 06 | 93 | | | | 07 | 81 | | 1 | 3 | 03 |
| 23 | 0040 | 07 | 63 | | 07 | 44 | | | | 07 | 67 | | 1 | 3 | 03 |
| 23 | 0050 | 02 | 74 | | 07 | 99 | | | | 05 | 93 | | 1 | 3 | 03 |
| 23 | 0060 | 02 | 95 | | 08 | 46 | | | | 04 | 51 | | 1 | 3 | 03 |
| 23 | 0070 | 03 | 82 | | 09 | 32 | | | | 02 | 11 | | 1 | 3 | 03 |
| 23 | 0080 | 04 | 43 | | 09 | 91 | | | | 00 | 59 | | 1 | 3 | 03 |
| 23 | 0090 | 04 | 54 | | 10 | 18 | | | | 00 | 19 | | 1 | 3 | 03 |
| 23 | 0100 | 04 | 67 | | 10 | 31 | | | | 00 | 20 | | 1 | 3 | 03 |

| | | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|--|---|---|---|---|
| 77 | 11 | 0487 | 55 | 26 | 0 | 14 | 36 | 63 | 10 | 25 | 17 | | 0 | 0 | 1 | 9 |
| | | 0072 | 09 | | | | | 23 | 06 | | 000 | | | | | |

| | | | | | | | | | | | | | | | |
|----|------|----|----|--|----|----|--|--|--|----|-----|--|---|---|----|
| 17 | 0000 | 08 | 98 | | 07 | 58 | | | | 07 | 33 | | 1 | 3 | 03 |
| 17 | 0005 | 09 | 05 | | 07 | 58 | | | | | | | 1 | 3 | 03 |
| 17 | 0010 | 08 | 96 | | 07 | 58 | | | | 07 | 31 | | 1 | 3 | 03 |
| 17 | 0015 | 08 | 53 | | 07 | 58 | | | | | | | 1 | 3 | 03 |
| 17 | 0020 | 08 | 29 | | 07 | 58 | | | | | | | 1 | 3 | 03 |
| 17 | 0030 | 06 | 23 | | 07 | 58 | | | | 07 | 77Q | | 1 | 3 | 03 |
| 17 | 0040 | 03 | 62 | | 08 | 01 | | | | | | | 1 | 3 | 03 |
| 17 | 0050 | 10 | 75 | | 13 | 16 | | | | 06 | 01 | | 1 | 3 | 03 |
| 17 | 0060 | 11 | 57 | | 15 | 60 | | | | 05 | 40 | | 1 | 3 | 03 |
| 17 | 0070 | 11 | 54 | | 17 | 22 | | | | 04 | 89 | | 1 | 3 | 03 |

| | | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|--|---|---|---|---|
| 77 | 11 | 0494 | 55 | 13 | 0 | 13 | 39 | 63 | 10 | 29 | 15 | | 2 | 8 | 0 | 9 |
| | | 0044 | 07 | 5 | | | | 32 | 06 | | 007 | | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|-----------|--------|------------|---------------|-------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | -Wind | | | | Mixed layer depth m | | | | | |
| | | | Dry ↓ | bulb | Wet ↓ | bulb | Dir. | Speed kn. | | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | | | | |
| | | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | |

77 11 0494

| | | | | | | | | | | | |
|---------|-------|-------|--|--|--|--|--|--|--|--|--------|
| 15 0000 | 07 57 | 07 73 | | | | | | | | | 1 0 03 |
| 15 0010 | 07 63 | 07 79 | | | | | | | | | 1 0 03 |
| 15 0020 | 08 59 | 08 23 | | | | | | | | | 1 0 03 |
| 15 0030 | 09 18 | 08 58 | | | | | | | | | 1 0 03 |
| 15 0040 | 09 13 | 09 23 | | | | | | | | | 1 0 03 |
| 15 0043 | 10 84 | 14 04 | | | | | | | | | 1 0 03 |

| | | | | | | | |
|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0495 | 55 02 | 0 | 13 51 | 63 10 | 29 | 19 | 2 8 0 9 |
| 0047 | 07 | | | 34 05 | | 008 | |

| | | | | | | | |
|---------|-------|-------|--|--|--|--|--------|
| 19 0000 | 08 34 | 07 71 | | | | | 1 0 03 |
| 19 0010 | 08 35 | 07 88 | | | | | 1 0 03 |
| 19 0020 | 09 24 | 08 41 | | | | | 1 0 03 |
| 19 0030 | 04 88 | 09 49 | | | | | 1 0 03 |
| 19 0040 | 11 22 | 15 53 | | | | | 1 0 03 |
| 19 0046 | 11 54 | 19 69 | | | | | 1 0 03 |

| | | | | | | | |
|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0496 | 55 02 | 0 | 13 51 | 63 10 | 30 | 06 | 2 8 0 9 |
| 0046 | 08 | | | 05 06 | | 010 | |

| | | | | | | | |
|---------|-------|-------|--|--|--|--|--------|
| 06 0000 | 08 99 | 07 69 | | | | | 1 0 03 |
|---------|-------|-------|--|--|--|--|--------|

| | | | | | | | |
|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0506 | 54 51 | 0 | 15 23 | 63 10 | 31 | 14 | 0 0 3 9 |
| 0075 | 08 5 | | | 17 24 | | 039 | |

| | | | | | | | |
|---------|-------|-------|--|--|-------|--|--------|
| 14 0000 | 10 22 | 07 59 | | | | | 1 0 03 |
| 14 0010 | 10 22 | 07 59 | | | 07 32 | | 1 0 03 |
| 14 0020 | 10 20 | 07 61 | | | | | 1 0 03 |
| 14 0030 | 10 17 | 07 59 | | | 07 46 | | 1 0 03 |
| 14 0040 | 10 07 | 07 59 | | | | | 1 0 03 |
| 14 0050 | 05 04 | 08 49 | | | 07 30 | | 1 0 03 |
| 14 0060 | 07 43 | 13 14 | | | 04 85 | | 1 0 03 |
| 14 0070 | 08 55 | 15 52 | | | 03 45 | | 1 0 03 |

| | | | | | | | |
|------------|-------|---|-------|-------|----|-----|---------|
| 77 11 0512 | 55 26 | 0 | 14 36 | 63 11 | 01 | 09 | 0 0 3 9 |
| 0075 | 07 | | | 14 18 | | 000 | |

| | | | | | | | |
|---------|--------|-------|--|--|-------|--|--------|
| 09 0000 | 06 96 | 07 61 | | | | | 1 0 03 |
| 09 0009 | 06 90Q | 07 61 | | | 07 80 | | 1 0 03 |
| 09 0018 | 07 68 | 07 67 | | | | | 1 0 03 |
| 09 0027 | 08 34 | 07 91 | | | 07 55 | | 1 0 03 |
| 09 0036 | 07 01 | 08 07 | | | | | 1 0 03 |
| 09 0045 | 06 75 | 09 79 | | | 06 95 | | 1 0 03 |
| 09 0054 | 08 30 | 13 11 | | | 05 97 | | 1 0 03 |
| 09 0063 | 10 36 | 16 07 | | | 04 87 | | 1 0 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 1.N+W | 2.S+E | 3.S+W | 0 | 1 | 2 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |
| | | ↓ | | | ↓ | | | ↓ | ↓ | ↓ | ↓ | | | | | |

77 11 0512

09 0068 10 31 16 96 04 21 1 0 03

77 11 0521 54 49 0 12 48 63 11 06 08 2 8 2 9
0018 08 16 16 01108 0000 08 28 08 48 07 55 1 0 03
08 0005 08 33 08 46 1 0 03
08 0010 08 38 08 51 07 54 1 0 03
08 0015 11 50 27 85 05 15 1 0 03
08 0017 11 43 29 19 03 49 1 0 0377 11 0522 55 13 0 13 12 63 11 07 07 2 8 2 9
0038 08 5 11 16 01907 0000 08 67 07 91 1 0 03
07 0005 08 58 07 89 1 0 03
07 0010 08 56 07 89 1 0 03
07 0015 08 51 07 89 1 0 03
07 0020 08 27 09 57 0 03
07 0025 08 21 07 89 1 0 03
07 0030 08 18 07 91 1 0 03
07 0035 08 05 07 91 07 68 1 0 03
07 0037 07 98 07 91 07 75 1 0 03

"Skagerak"

Chemical Observations

| Country | Ship | Station number | Latitude | | Longitude | | Year 1 | Month | Day | Stat. time | Depth to bottom m |
|---------|------|----------------|----------------------------------|--|-----------|--|-----------|-------|-----|------------|-------------------|
| | | | 0:N+E 1:N+W 2:S+E 3:S+W | | | | | | | | |

| Obs. time | Obs. depth m | Temperature °C | Chlorosity g./dm ³ | Oxygen μmol/dm ³ | Phosphate-P μg.-atoms/dm ³ | Total P μg.-atoms/dm ³ | Silicate-Si μg.-atoms/dm ³ | Card code |
|-----------|--------------|--|--|---|--|--------------------------------------|--|-----------|
| | | Nitrate-N μg.-atoms/dm ³ | Nitrite-N μg.-atoms/dm ³ | Ammonium-N μg.-atoms/dm ³ | Organic N μg.-atoms/dm ³ | pH | Alkalinity μval /dm ³ | |

77 11 0323

| | | | | | | | | |
|----|------|-------|-------|-----|------|------|--|----|
| 10 | 0030 | 05 91 | 18 59 | 283 | 0 38 | 8 03 | | 06 |
| 10 | 0040 | 05 49 | 19 34 | | 0 97 | 7 94 | | 06 |
| 10 | 0050 | 05 81 | 19 56 | 247 | 0 90 | 7 95 | | 06 |
| 10 | 0060 | 05 77 | 19 63 | | 0 94 | 7 96 | | 06 |
| 10 | 0070 | 06 03 | 19 65 | 230 | 1 18 | 7 94 | | 06 |
| 10 | 0080 | 06 02 | 19 67 | | 1 36 | 7 89 | | 06 |
| 10 | 0090 | 05 98 | 19 68 | 214 | 1 47 | 7 90 | | 06 |
| 10 | 0100 | 05 83 | 19 68 | 214 | 1 50 | 7 89 | | 06 |
| 10 | 0110 | 05 78 | 19 68 | 212 | 1 62 | 7 87 | | 06 |

77 11 0324 58 16 0 11 29 963 06 26 12 0060

| | | | | | | | | |
|----|------|-------|-------|--|------|------|--|----|
| 12 | 0000 | 16 26 | 13 25 | | 0 21 | 8 10 | | 06 |
| 12 | 0005 | 15 69 | 14 17 | | 0 16 | 8 14 | | 06 |
| 12 | 0010 | 14 96 | 15 27 | | 0 17 | 8 11 | | 06 |
| 12 | 0015 | 12 84 | 17 18 | | 0 19 | 8 11 | | 06 |
| 12 | 0020 | 11 66 | 17 84 | | 0 18 | 8 11 | | 06 |
| 12 | 0030 | 06 38 | 18 92 | | 0 51 | 8 04 | | 06 |
| 12 | 0040 | 05 48 | 19 05 | | 0 68 | 7 94 | | 06 |
| 12 | 0050 | 05 63 | 19 31 | | 0 74 | 7 95 | | 06 |
| 12 | 0055 | 05 87 | 19 44 | | 0 76 | 7 96 | | 06 |

77 11 0325 58 15 0 11 14 963 06 26 13 0055

| | | | | | | | | |
|----|------|-------|-------|--|------|------|--|----|
| 13 | 0000 | 15 14 | 14 70 | | 0 22 | 8 12 | | 06 |
| 13 | 0005 | 15 11 | 14 70 | | 0 17 | 8 12 | | 06 |
| 13 | 0010 | 14 45 | 15 61 | | 0 17 | 8 11 | | 06 |

| Country | Ship | Station number | Latitude | | | Longitude | Year 1 | Month | Day | Stat. time | Depth to bottom m |
|---------|------|----------------|----------|-------|-------|-----------|-----------|-------|-----|------------|-------------------|
| | | | 0:N+E | 1:N+W | 2:S+E | | | | | | |

| Obs. time | Obs. depth m | Temperature °C | Chlorosity g./dm ³ | Oxygen μmol/dm ³ | Phosphate-P μg.-atoms/dm ³ | Total P μg.-atoms/dm ³ | Silicate-Si μg.-atoms/dm ³ | Card code |
|-----------|--------------|-------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|---------------------------------------|-----------|
| | | Nitrate-N μg.-atoms/dm ³ | Nitrite-N μg.-atoms/dm ³ | Ammonium-N μg.-atoms/dm ³ | Organic N μg.-atoms/dm ³ | pH | Alkalinity μval /dm ³ | |

| | | | | | | | | | | |
|------------|---------|---------|-------|-------|---------|------|--|--|------|----|
| 77 11 0325 | 13 0015 | 13 65 | 17 19 | | | 0 19 | | | 8 12 | 06 |
| | 13 0020 | 13 28 | 17 71 | | | 0 21 | | | 8 11 | 06 |
| | 13 0030 | 11 76 | 18 34 | | | 0 26 | | | 8 07 | 06 |
| | 13 0040 | 10 34 | 18 75 | | | 0 33 | | | 8 08 | 06 |
| | 13 0050 | 08 48 | 18 91 | | | 0 47 | | | 8 07 | 06 |
| 77 11 0326 | 58 19 | 0 11 22 | 963 | 06 26 | 14 0033 | | | | | |
| | 14 0000 | 16 33 | 13 53 | | | 0 15 | | | 8 17 | 06 |
| | 14 0005 | 16 34 | 13 50 | | | 0 15 | | | 8 16 | 06 |
| | 14 0010 | 14 56 | 15 93 | | | 0 18 | | | 8 10 | 06 |
| | 14 0015 | 13 37 | 16 78 | | | 0 20 | | | 8 12 | 06 |
| | 14 0020 | 11 08 | 17 84 | | | 0 20 | | | 8 08 | 06 |
| | 14 0030 | 09 15 | 18 37 | | | 0 30 | | | 8 10 | 06 |
| 77 11 0327 | 58 22 | 0 11 26 | 963 | 06 26 | 15 0023 | | | | | |
| | 15 0000 | 17 13 | 12 65 | | | 0 18 | | | 8 22 | 06 |
| | 15 0005 | 16 67 | 13 02 | | | 0 20 | | | 8 22 | 06 |
| | 15 0010 | 14 73 | 15 52 | | | 0 18 | | | 8 13 | 06 |
| | 15 0015 | 12 15 | 16 82 | | | 0 23 | | | 8 11 | 06 |
| | 15 0020 | 10 20 | 17 90 | | | 0 30 | | | 8 09 | 06 |
| 77 11 0328 | 58 24 | 0 11 25 | 963 | 06 26 | 16 0017 | | | | | |
| | 16 0000 | 17 23 | 12 58 | | | 0 17 | | | 8 24 | 06 |
| | 16 0005 | 16 53 | 13 56 | | | 0 17 | | | 8 17 | 06 |
| | 16 0010 | 14 82 | 15 39 | | | 0 14 | | | 8 12 | 06 |

| Country | Ship | Station number | Latitude | | Longitude | | Year 1 | Month | Day | Stat. time | Depth to bottom m |
|---------|------|----------------|----------|--------|-----------|--------|-----------|-------|-----|------------|-------------------|
| | | | 0: N+E | 1: N+W | 2: S+E | 3: S+W | | | | | |

| Obs. time | Obs. depth m | Temperature °C | Chlorosity g./dm ³ | Oxygen μmol/dm ³ | Phosphate-P μg.-atoms/dm ³ | Total P μg.-atoms/dm ³ | Silicate-Si μg.-atoms/dm ³ | Card code |
|-----------|--------------|-------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|---------------------------------------|-----------|
| | | Nitrate-N μg.-atoms/dm ³ | Nitrite-N μg.-atoms/dm ³ | Ammonium-N μg.-atoms/dm ³ | Organic N μg.-atoms/dm ³ | pH | Alkalinity μval /dm ³ | |

77 11 0331

| | | | | | | | | |
|---------|-------|-------|--|--|------|------|--|----|
| 09 0010 | 12 92 | 11 71 | | | 0 18 | | | 06 |
| | | | | | | 8 22 | | |
| 09 0015 | 08 20 | 14 09 | | | 0 28 | | | 06 |
| | | | | | | 7 86 | | |
| 09 0020 | 05 58 | 16 14 | | | 1 77 | | | 06 |
| | | | | | | 7 49 | | |
| 09 0030 | 05 75 | 16 64 | | | 3 01 | | | 06 |
| | | | | | | 7 49 | | |
| 09 0040 | 05 70 | 16 67 | | | 2 65 | | | 06 |
| | | | | | | 7 47 | | |
| 09 0050 | 05 68 | 16 69 | | | 2 49 | | | 06 |
| | | | | | | 7 48 | | |

77 11 0332 58 19 0 11 48 963 06 27 10 0035

| | | | | | | | | |
|---------|-------|-------|--|-----|------|------|--|----|
| 10 0000 | 15 88 | 11 29 | | | 0 12 | | | 06 |
| | | | | | | 8 16 | | |
| 10 0005 | 15 89 | 11 29 | | | 0 10 | | | 06 |
| | | | | | | 8 27 | | |
| 10 0010 | 13 12 | 12 71 | | 264 | 0 18 | | | 06 |
| | | | | | | 8 16 | | |
| 10 0015 | 04 62 | 17 03 | | 149 | 0 51 | | | 06 |
| | | | | | | 7 79 | | |
| 10 0020 | 05 37 | 18 04 | | 192 | 0 79 | | | 06 |
| | | | | | | 7 90 | | |
| 10 0025 | 05 65 | 18 39 | | 212 | 0 76 | | | 06 |
| | | | | | | 7 45 | | |
| 10 0030 | 05 84 | 18 73 | | 056 | 1 65 | | | 06 |
| | | | | | | 7 72 | | |

77 11 0333 58 20 0 11 53 963 06 27 11 0051

| | | | | | | | | |
|---------|-------|-------|--|-----|-------|------|--|----|
| 11 0000 | 16 18 | 10 80 | | | 0 28 | | | 06 |
| | | | | | | 8 22 | | |
| 11 0005 | 16 11 | 10 83 | | 276 | 0 28 | | | 06 |
| | | | | | | 8 18 | | |
| 11 0010 | 05 38 | 14 21 | | 171 | 0 29 | | | 06 |
| | | | | | | 7 65 | | |
| 11 0015 | 05 16 | 17 13 | | 003 | 1 81 | | | 06 |
| | | | | | | 7 38 | | |
| 11 0020 | 05 92 | 17 36 | | 000 | 5 36 | | | 06 |
| | | | | | | 7 47 | | |
| 11 0030 | 05 76 | 17 56 | | 000 | 11 55 | | | 06 |
| | | | | | | 7 38 | | |
| 11 0040 | 05 79 | 17 62 | | 000 | 12 32 | | | 06 |
| | | | | | | 7 27 | | |

| Country | Ship | Station number | Latitude ° | 0:N+E 1:N+W 2:S+E 3:S+W | Longitude ° | Year 1 | Month | Day | Stat. time | Depth to bottom m | | | | |
|-----------|--------------|---------------------|---|---------------------------------------|---|-------------------------------------|--|---|---|---|---------|---|--|-----------|
| Obs. time | Obs. depth m | Temperature °C ↓ | Nitrate-N μg.-atoms/dm ³ ↓ | Chlorosity g./dm ³ ↓ | Nitrite-N μg.-atoms/dm ³ ↓ | Oxygen μmol/dm ³ ↓ | Ammonium-N μg.-atoms/dm ³ ↓ | Phosphate-P μg.-atoms/dm ³ ↓ | Organic N μg.-atoms/dm ³ ↓ | Total P μg.-atoms/dm ³ ↓ | pH ↓ | Silicate-Si μg.-atoms/dm ³ ↓ | Alkalinity μval /dm ³ ↓ | Card code |
| 77 | 11 | 0338 | 57 59 | 0 | 11 46 | 963 | 06 | 27 | 16 | 0021 | | | | |
| | 16 | 0000 | 16 30 | | 11 85 | | | 0 | 10 | | | | | 06 |
| | 16 | 0005 | 16 27 | | 11 85 | | | 0 | 10 | 8 | 19 | | | 06 |
| | 16 | 0010 | 16 28 | | 11 85 | | | 0 | 11 | 8 | 26 | | | 06 |
| | 16 | 0015 | 15 86 | | 12 16 | | | 0 | 11 | 8 | 25 | | | 06 |
| | 16 | 0019 | 11 06 | | 15 53 | | | 0 | 35 | 8 | 26 | | | 06 |
| | | | | | | | | | | 8 | 07 | | | |
| 77 | 11 | 0339 | 57 55 | 0 | 11 36 | 963 | 06 | 27 | 17 | 0058 | | | | |
| | 17 | 0000 | 16 15 | | 12 41 | | | 0 | 14 | | | | | 06 |
| | 17 | 0005 | 16 00 | | 12 40 | | | 0 | 11 | 8 | 19 | | | 06 |
| | 17 | 0010 | 15 96 | | 12 47 | | | 0 | 14 | 8 | 25 | | | 06 |
| | 17 | 0015 | 14 08 | | 14 66 | | | 0 | 18 | 8 | 26 | | | 06 |
| | 17 | 0020 | 11 77 | | 16 49 | | | 0 | 28 | 8 | 19 | | | 06 |
| | 17 | 0030 | 08 41 | | 18 18 | | | 0 | 40 | 8 | 14 | | | 06 |
| | 17 | 0040 | 05 88 | | 19 13 | | | 0 | 59 | 8 | 10 | | | 06 |
| | 17 | 0050 | 05 69 | | 19 32 | | | 0 | 68 | 8 | 08 | | | 06 |
| | | | | | | | | | | 8 | 08 | | | |
| 77 | 11 | 0340 | 57 54 | 0 | 11 32 | 963 | 06 | 27 | 18 | 0035 | | | | |
| | 18 | 0000 | 15 86 | | 12 22 | | | 0 | 16 | | | | | 06 |
| | 18 | 0005 | 15 85 | | 12 23 | | | 0 | 10 | 8 | 20 | | | 06 |
| | 18 | 0010 | 15 88 | | 12 57 | | | 0 | 14 | 8 | 24 | | | 06 |
| | 18 | 0015 | 14 52 | | 14 44 | | | 0 | 13 | 8 | 25 | | | 06 |
| | 18 | 0020 | 12 87 | | 16 81 | | | 0 | 19 | 8 | 19 | | | 06 |
| | 18 | 0030 | 07 79 | | 18 23 | | | 0 | 46 | 8 | 16 | | | 06 |
| | | | | | | | | | | 8 | 11 | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 1 | Month | Day | Stat. time | Depth to bottom m |
|-----------|--------------|--|----------|--|---|--|--|--------------------------------------|--|-----------|-----|------------|-------------------|
| | | | 0-N+E | 1-N+W | 2-S+E | 3-S+W | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Chlorosity g./dm ³ | Oxygen μmol/dm ³ | Phosphate-P μg.-atoms/dm ³ | | Total P μg.-atoms/dm ³ | Silicate-Si μg.-atoms/dm ³ | Card code | | | |
| | | Nitrate-N μg.-atoms/dm ³ | | Nitrite-N μg.-atoms/dm ³ | Ammonium-N μg.-atoms/dm ³ | Organic N μg.-atoms/dm ³ | | pH | Alkalinity μval/dm ³ | | | | |

| | | | | | | | | | | |
|----|----|------|-------|---|-------|-----|-------|---------|--|----|
| 77 | 11 | 0341 | 57 53 | 0 | 11 25 | 963 | 06 27 | 19 0055 | | |
| | 19 | 0000 | 15 29 | | 14 28 | | 0 08 | | | 06 |
| | 19 | 0005 | 14 78 | | 15 07 | | 0 10 | 8 20 | | 06 |
| | 19 | 0010 | 14 23 | | 16 09 | | 0 12 | 8 21 | | 06 |
| | 19 | 0015 | 14 06 | | 16 60 | | 0 11 | 8 19 | | 06 |
| | 19 | 0020 | 13 83 | | 17 03 | | 0 19 | 8 17 | | 06 |
| | 19 | 0030 | 11 59 | | 18 41 | | 0 18 | 8 19 | | 06 |
| | 19 | 0040 | 07 49 | | 19 23 | | 0 39 | 8 17 | | 06 |
| | 19 | 0050 | 06 95 | | 19 32 | | 0 42 | 8 14 | | 06 |
| | | | | | | | | 8 15 | | |
| 77 | 11 | 0342 | 57 52 | 0 | 11 18 | 963 | 06 27 | 20 0100 | | |
| | 20 | 0000 | 14 05 | | 16 12 | | 0 11 | | | 06 |
| | 20 | 0005 | 14 09 | | 16 14 | | 0 10 | 8 19 | | 06 |
| | 20 | 0010 | 13 95 | | 16 40 | | 0 11 | 8 20 | | 06 |
| | 20 | 0015 | 13 51 | | 17 15 | | 0 08 | 8 20 | | 06 |
| | 20 | 0020 | 13 21 | | 17 74 | | 0 10 | 8 21 | | 06 |
| | 20 | 0030 | 11 16 | | 18 72 | | 0 12 | 8 21 | | 06 |
| | 20 | 0040 | 10 08 | | 18 98 | | 0 17 | 8 16 | | 06 |
| | 20 | 0050 | 08 81 | | 19 32 | | 0 40 | 8 16 | | 06 |
| | 20 | 0060 | 08 59 | | 19 47 | | 0 36 | 8 10 | | 06 |
| | 20 | 0070 | 07 93 | | 19 52 | | 0 53 | 8 14 | | 06 |
| | 20 | 0080 | 05 88 | | 19 61 | | 0 70 | 8 11 | | 06 |
| | 20 | 0090 | 05 78 | | 19 61 | | 0 75 | 8 13 | | 06 |
| | | | | | | | | 8 13 | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 1 | Month | Day | Stat. time | Depth to bottom m |
|---------|------|----------------|----------|--------|--------|-----------|---|---|-----------|-------|-----|------------|-------------------|
| | | | 0: N+E | 1: N+W | 2: S+E | 3: S+W | 0 | 1 | | | | | |

| Obs. time | Obs. depth m | Temperature °C | Chlorosity g./dm ³ | Oxygen μmol/dm ³ | Phosphate-P μg.-atoms/dm ³ | Total P μg.-atoms/dm ³ | Silicate-Si μg.-atoms/dm ³ | Card code |
|-----------|--------------|-------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|---------------------------------------|-----------|
| | | Nitrate-N μg.-atoms/dm ³ | Nitrite-N μg.-atoms/dm ³ | Ammonium-N μg.-atoms/dm ³ | Organic N μg.-atoms/dm ³ | pH | Alkalinity μval /dm ³ | |

| | | | | | | | | | | | | | |
|----|----|------|-------|---------|-----|-------|---------|--|--|--|--|--|----|
| 77 | 11 | 0407 | 57 20 | 0 20 03 | 963 | 08 15 | 04 0258 | | | | | | |
| | 04 | 0000 | 17 94 | 03 97 | 284 | 0 17 | | | | | | | 06 |
| | 04 | 0005 | 17 87 | 03 96 | 283 | 0 14 | 7 90 | | | | | | 06 |
| | 04 | 0010 | 17 90 | 03 99 | 283 | 0 14 | 8 01 | | | | | | 06 |
| | 04 | 0015 | 17 81 | 04 05 | 280 | 0 17 | 7 72 | | | | | | 06 |
| | 04 | 0020 | 06 98 | 04 15 | 368 | 0 21 | 8 02 | | | | | | 06 |
| | 04 | 0030 | 02 47 | 04 20 | 395 | 0 21 | 7 72 | | | | | | 06 |
| | 04 | 0040 | 01 94 | 04 24 | 403 | 0 21 | 7 82 | | | | | | 06 |
| | 04 | 0050 | 01 20 | 04 25 | 394 | 0 21 | 7 81 | | | | | | 06 |
| | 04 | 0060 | 01 85 | 04 49 | 330 | 0 30 | 7 73 | | | | | | 06 |
| | 04 | 0070 | 03 56 | 05 04 | 185 | 0 83 | 7 52 | | | | | | 06 |
| | 04 | 0080 | 03 75 | 05 11 | 163 | 0 73 | 7 28 | | | | | | 06 |
| | 04 | 0090 | 03 98 | 05 59 | 071 | 1 09 | 7 16 | | | | | | 06 |
| | 04 | 0100 | 04 70 | 05 82 | 046 | 1 09 | 7 04 | | | | | | 06 |
| | 04 | 0125 | 05 25 | 06 33 | 018 | 1 30 | 6 93 | | | | | | 06 |
| | 04 | 0150 | 05 54 | 06 79 | 043 | 2 09 | 6 93 | | | | | | 06 |
| | 04 | 0175 | 05 59 | 06 99 | 000 | 3 35 | 6 93 | | | | | | 06 |
| | 04 | 0200 | 05 51 | 07 08 | 000 | 3 96 | 6 91 | | | | | | 06 |
| | 04 | 0250 | 05 54 | 07 14 | 000 | 9 61 | 6 94 | | | | | | 06 |
| | | | | | | | 6 99 | | | | | | |
| 77 | 11 | 0476 | 55 00 | 0 14 05 | 963 | 10 22 | 07 0048 | | | | | | |
| | 07 | 0000 | 08 06 | 04 33 | 344 | | | | | | | | 06 |
| | 07 | 0005 | 08 08 | 04 32 | | | 7 93 | | | | | | 06 |
| | 07 | 0010 | 08 18 | 04 34 | 344 | 0 21 | 7 87 | | | | | | 06 |
| | 07 | 0015 | 09 07 | 04 63 | | 0 29 | 7 77 | | | | | | 06 |
| | 07 | 0020 | 09 71 | 04 78 | | 0 19 | 7 84 | | | | | | 06 |
| | | | | | | | 7 72 | | | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 1 | Month | Day | Stat. time | Depth to bottom m | Obs. time | Obs. depth m | Temperature °C | Chlorosity g./dm ³ | Oxygen μmol/dm ³ | Phosphate-P μg.-atoms/dm ³ | Total P μg.-atoms/dm ³ | Silicate-Si μg.-atoms/dm ³ | Card code |
|---------|------|----------------|----------------------------------|--|--|-----------|--|--|-----------|-------|-----|---------------|----------------------|--------------|--------------|----------------|----------------------------------|--------------------------------|--|--------------------------------------|--|--------------|
| | | | 0:N+E 1:N+W 2:S+E 3:S+W | | | | | | | | | | | | | | | | | | | |

| 77 | 11 | 0476 | | | | | | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|-----|----|----|----|------|--|--|--|--|--|--|---|----|--|----|
| | 07 | 0030 | 11 | 52 | | 07 | 76 | 270 | 0 | 38 | | | | | | | | | 7 | 69 | | 06 |
| | 07 | 0040 | 12 | 06 | | 09 | 75 | 232 | 0 | 53 | | | | | | | | | 7 | 57 | | 06 |
| | 07 | 0045 | 11 | 75 | | 12 | 09 | 170 | 0 | 96 | | | | | | | | | 7 | 49 | | 06 |
| 77 | 11 | 0477 | 55 | 18 | 0 | 14 | 24 | 963 | 10 | 22 | 10 | 0049 | | | | | | | | | | |
| | 10 | 0000 | 07 | 23 | | 04 | 23 | 344 | 0 | 14 | | | | | | | | | 7 | 03 | | 06 |
| | 10 | 0005 | 07 | 23 | | 04 | 23 | 346 | 0 | 17 | | | | | | | | | 7 | 20 | | 06 |
| | 10 | 0010 | 07 | 22 | | 04 | 23 | 346 | 0 | 11 | | | | | | | | | 7 | 23 | | 06 |
| | 10 | 0015 | 07 | 23 | | 04 | 23 | 345 | 0 | 09 | | | | | | | | | 7 | 33 | | 06 |
| | 10 | 0020 | 07 | 23 | | 04 | 24 | 345 | 0 | 10 | | | | | | | | | 7 | 29 | | 06 |
| | 10 | 0030 | 04 | 46 | | 04 | 60 | 329 | 0 | 20 | | | | | | | | | 7 | 13 | | 06 |
| | 10 | 0040 | 10 | 70 | | 07 | 50 | 244 | 0 | 33 | | | | | | | | | 7 | 12 | | 06 |
| | 10 | 0045 | 11 | 87 | | 09 | 63 | 222 | 0 | 54 | | | | | | | | | 7 | 12 | | 06 |
| 77 | 11 | 0478 | 55 | 23 | 0 | 15 | 17 | 963 | 10 | 22 | 15 | 0090 | | | | | | | | | | |
| | 15 | 0000 | 10 | 46 | | 04 | 28 | 322 | 0 | 03 | | | | | | | | | 7 | 30 | | 06 |
| | 15 | 0005 | 10 | 49 | | 04 | 28 | | 0 | 08 | | | | | | | | | 7 | 28 | | 06 |
| | 15 | 0010 | 10 | 41 | | 04 | 26 | 322 | 0 | 05 | | | | | | | | | 7 | 26 | | 06 |
| | 15 | 0020 | 10 | 38 | | 04 | 26 | | 0 | 14 | | | | | | | | | 7 | 28 | | 06 |
| | 15 | 0030 | 09 | 63 | | 04 | 32 | 321 | 0 | 09 | | | | | | | | | 7 | 27 | | 06 |
| | 15 | 0040 | 03 | 14 | | 04 | 77 | | | | | | | | | | | | 6 | 67 | | 06 |
| | 15 | 0050 | 06 | 52 | | 06 | 64 | 242 | 0 | 46 | | | | | | | | | 6 | 77 | | 06 |
| | 15 | 0060 | 07 | 36 | | 07 | 77 | | 0 | 76 | | | | | | | | | 6 | 71 | | 06 |
| | 15 | 0070 | 10 | 44 | | 09 | 13 | 214 | 0 | 70 | | | | | | | | | 6 | 93 | | 06 |
| | 15 | 0080 | 09 | 61 | | 09 | 79 | 153 | 1 | 01 | | | | | | | | | 6 | 73 | | 06 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 1 | Month | Day | Stat. time | Depth to bottom m | Card code |
|--------------|--------------|--|--|---|--|--------------------------------|--|--------------------------------------|--|-------|------|---------------|----------------------|--------------|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | Chlorosity g./dm ³ | | | Oxygen μmol/dm ³ | Phosphate-P μg.-atoms/dm ³ | Total P μg.-atoms/dm ³ | Silicate-Si μg.-atoms/dm ³ | | | | | |
| | | Nitrate-N μg.-atoms/dm ³ | Nitrite-N μg.-atoms/dm ³ | Ammonium-N μg.-atoms/dm ³ | Organic N μg.-atoms/dm ³ | | pH | Alkalinity μval /dm ³ | | | | | | |
| 77 | 11 | 0479 | 55 15 | 0 15 | 59 | 963 | 10 22 | 18 00 | 91 | | | | | |
| | 18 | 0000 | 10 00 | 04 20 | | 323 | 0 11 | | | | | | 06 | |
| | 18 | 0010 | 10 02 | 04 20 | | 330 | 0 13 | | | | 7 82 | | 06 | |
| | 18 | 0020 | 09 51 | 04 19 | | 330 | 0 09 | | | | 7 80 | | 06 | |
| | 18 | 0030 | 08 34 | 04 16 | | 334 | 0 13 | | | | 7 80 | | 06 | |
| | 18 | 0040 | 04 92 | 04 20 | | 350 | 0 23 | | | | 7 74 | | 06 | |
| | 18 | 0050 | 03 29 | 04 95 | | 183Q | 1 12 | | | | 7 60 | | 06 | |
| | 18 | 0060 | 06 57 | 07 58 | | 203 | 0 63 | | | | 7 07 | | 06 | |
| | 18 | 0070 | 07 62 | 08 48 | | 126 | 1 24 | | | | 7 25 | | 06 | |
| | 18 | 0080 | 08 31 | 09 36 | | 126 | 1 28 | | | | 7 13 | | 06 | |
| | 18 | 0087 | 08 78 | 10 09 | | 079 | 1 08 | | | | 7 17 | | 06 | |
| | | | | | | | | | | | 7 13 | | | |
| 77 | 11 | 0480 | 55 13 | 0 17 | 09 | 963 | 10 22 | 23 00 | 92 | | | | | |
| | 23 | 0000 | 10 55 | 04 16 | | 325 | 0 01 | | | | | | 06 | |
| | 23 | 0010 | 10 61 | 04 16 | | 326 | 0 05 | | | | 8 05 | | 06 | |
| | 23 | 0020 | 10 50 | 04 18 | | | 0 01 | | | | 8 04 | | 06 | |
| | 23 | 0030 | 10 46 | 04 19 | | 328 | 0 06 | | | | 8 03 | | 06 | |
| | 23 | 0040 | 10 45 | 04 20 | | | 0 09 | | | | 7 98 | | 06 | |
| | 23 | 0050 | 03 14 | 04 71 | | 301 | 0 29 | | | | 8 02 | | 06 | |
| | 23 | 0060 | 03 53 | 05 37 | | | 0 88 | | | | 7 61 | | 06 | |
| | 23 | 0070 | 05 42 | 06 88 | | 195 | 0 96 | | | | 7 28 | | 06 | |
| | 23 | 0080 | 06 18 | 07 78 | | | 1 25 | | | | 7 36 | | 06 | |
| | 23 | 0090 | 06 40 | 08 13 | | 131 | 1 58 | | | | 7 31 | | 06 | |
| | | | | | | | | | | | 7 27 | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 1 | Month | Day | Stat. time | Depth to bottom m |
|---------|------|----------------|----------|-------|-------|-----------|-------|-------|-----------|-------|-----|------------|-------------------|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0:N+E | 1:N+W | | | | | |

| Obs. time | Obs. depth m | Temperature °C | Chlorosity g./dm ³ | Oxygen μmol/dm ³ | Phosphate-P μg.-atoms/dm ³ | Total P μg.-atoms/dm ³ | Silicate-Si μg.-atoms/dm ³ | Card code |
|-----------|--------------|-------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|---------------------------------------|-----------|
| | | Nitrate-N μg.-atoms/dm ³ | Nitrite-N μg.-atoms/dm ³ | Ammonium-N μg.-atoms/dm ³ | Organic N μg.-atoms/dm ³ | pH | Alkalinity μval /dm ³ | |

77 11 0482

| | | | | | | | | |
|---------|-------|-------|-----|------|--|------|--|----|
| 18 0070 | 02 38 | 04 72 | 271 | 0 41 | | 7 58 | | 06 |
| 17 0080 | 03 39 | 05 28 | 166 | 0 89 | | 7 48 | | 06 |
| 17 0090 | 04 06 | 05 60 | 100 | 1 18 | | 7 19 | | 06 |
| 17 0100 | 04 28 | 05 81 | 077 | 1 28 | | 7 26 | | 06 |
| 17 0125 | 04 95 | 06 27 | 031 | 1 62 | | 7 17 | | 06 |
| 17 0150 | 05 54 | 06 82 | 000 | 3 05 | | 7 15 | | 06 |
| 17 0175 | 05 59 | 06 99 | 000 | 4 59 | | 7 20 | | 06 |
| 17 0200 | 05 52 | 07 03 | 000 | 5 51 | | 7 22 | | 06 |
| 17 0240 | 05 54 | 07 13 | 000 | 9 00 | | 7 25 | | 06 |

77 11 0483

| | | | | | | | | |
|---------|-------|-------|-----|------|--|------|--|----|
| 23 0000 | 08 34 | 03 77 | 330 | 0 02 | | 7 76 | | 06 |
| 23 0005 | 08 32 | 03 77 | 330 | 0 02 | | 7 80 | | 06 |
| 23 0010 | 08 32 | 03 77 | 325 | 0 02 | | 7 83 | | 06 |
| 23 0015 | 08 33 | 03 77 | 323 | 0 01 | | 7 86 | | 06 |
| 23 0020 | 08 36 | 03 79 | 319 | 0 06 | | 7 87 | | 06 |
| 23 0030 | 07 86 | 03 85 | 329 | 0 03 | | 7 84 | | 06 |
| 23 0040 | 02 43 | 04 20 | 370 | 0 09 | | 7 73 | | 06 |
| 23 0050 | 01 95 | 04 30 | 347 | 0 11 | | 7 57 | | 06 |
| 23 0060 | 02 72 | 04 61 | 244 | 0 47 | | 7 32 | | 06 |
| 22 0070 | 03 07 | 04 76 | 208 | 0 83 | | 7 21 | | 06 |
| 22 0080 | 04 10 | 05 04 | 134 | 1 11 | | 7 05 | | 06 |
| 22 0090 | 04 46 | 05 60 | 040 | 1 73 | | 6 93 | | 06 |
| 22 0100 | 04 75 | 05 82 | 025 | 1 87 | | 6 88 | | 06 |
| 22 0125 | 05 18 | 06 17 | 009 | 2 49 | | 6 87 | | 06 |

| Country | Ship | Station number | Latitude ° | 0:N+E 1:N+W 2:S+E 3:S+W | Longitude ° | Year 1 | Month | Day | Stat. time | Depth to bottom m |
|--------------|--------------|---|---|--|---|---|---|--------------|---------------|----------------------|
| Obs. time | Obs. depth m | Temperature °C ↓ | Chlorosity g./dm ³ ↓ | Oxygen μmol/dm ³ | Phosphate-P μg.-atoms/dm ³ ↓ | Total P μg.-atoms/dm ³ ↓ | Silicate-Si μg.-atoms/dm ³ ↓ | Card code | | |
| | | Nitrate-N μg.-atoms/dm ³ ↓ | Nitrite-N μg.-atoms/dm ³ ↓ | Ammonium-N μg.-atoms/dm ³ ↓ | Organic N μg.-atoms/dm ³ ↓ | pH ↓ | Alkalinity μval /dm ³ | | | |
| 77 11 0483 | | | | | | | | | | |
| 22 0150 | | 05 40 | 06 61 | 000 | 3 47 | | | 06 | | |
| 22 0190 | | 05 51 | 06 73 | 000 | 5 22 | 6 87 | | 06 | | |
| | | | | | | 6 87 | | | | |
| 77 11 0484 | | 58 35 | 0 18 14 | 963 | 10 24 | 08 0450 | | | | |
| 09 0000 | | 06 32 | 03 83 | 360 | 0 04 | | | 06 | | |
| 09 0005 | | 06 37 | 03 83 | 357 | 0 01 | 7 81 | | 06 | | |
| 09 0010 | | 06 33 | 03 83 | 366 | 0 03 | 7 91 | | 06 | | |
| 09 0015 | | 06 35 | 03 83 | 358 | 0 04 | 7 92 | | 06 | | |
| 09 0020 | | 05 30 | 03 88 | 355 | 0 07 | 7 93 | | 06 | | |
| 09 0030 | | 04 45 | 03 96 | 341 | 0 27 | 7 85 | | 06 | | |
| 09 0040 | | 03 66 | 04 07 | 351 | 0 24 | 7 73 | | 06 | | |
| 09 0050 | | 02 45 | 04 25 | 325 | 0 34 | 7 71 | | 06 | | |
| 09 0060 | | 02 53 | 04 46 | 270 | 0 53 | 7 55 | | 06 | | |
| 09 0070 | | 03 37 | 04 91 | 166 | 0 90 | 7 42 | | 06 | | |
| 09 0080 | | 04 13 | 05 38 | 061 | 1 90 | 7 20 | | 06 | | |
| 09 0090 | | 04 41 | 05 53 | 038 | 2 00 | 7 05 | | 06 | | |
| 09 0100 | | 04 62 | 05 68 | 024 | 2 32 | 7 03 | | 06 | | |
| 09 0125 | | 04 84 | 05 92 | 010 | 2 60 | 7 00 | | 06 | | |
| 09 0150 | | 04 94 | 06 00 | 010 | 2 84 | 6 98 | | 06 | | |
| 08 0290 | | 05 10 | 06 07 | 008 | 2 88 | 6 98 | | 06 | | |
| 08 0386 | | 05 04 | 06 08 | 007 | 2 70 | 7 07 | | 06 | | |
| 08 0425 | | 05 08 | 06 11 | 012 | 2 81 | 7 04 | | 06 | | |
| | | | | | | 7 05 | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 1 | Month | Day | Stat. time | Depth to bottom m | Card code |
|--------------|--------------|--|--|---|--|--------------------------------|--|--------------------------------------|--|-------|-----|---------------|----------------------|--------------|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | Chlorosity g./dm ³ | | | Oxygen μmol/dm ³ | Phosphate-P μg.-atoms/dm ³ | Total P μg.-atoms/dm ³ | Silicate-Si μg.-atoms/dm ³ | | | Card code | | |
| | | Nitrate-N μg.-atoms/dm ³ | Nitrite-N μg.-atoms/dm ³ | Ammonium-N μg.-atoms/dm ³ | Organic N μg.-atoms/dm ³ | | pH | Alkalinity μval/dm ³ | | | | | | |
| 77 11 | 0485 | 58 00 | 0 18 | 00 | 963 | 10 24 | 17 | 0160 | | | | | | |
| 17 | 0000 | 06 28 | 03 82 | 360 | 0 03 | | | | | | 06 | | | |
| 17 | 0005 | 06 28 | 03 82 | 363 | 0 03 | | | 8 01 | | | 06 | | | |
| 17 | 0010 | 06 24 | 03 82 | 363 | 0 07 | | | 8 02 | | | 06 | | | |
| 17 | 0015 | 06 15 | 03 83 | 363 | 0 06 | | | 8 04 | | | 06 | | | |
| 17 | 0020 | 05 60 | 03 85 | 359 | 0 06 | | | 8 04 | | | 06 | | | |
| 17 | 0030 | 05 18 | 03 89 | 367 | 0 06 | | | 7 97 | | | 06 | | | |
| 17 | 0040 | 02 70 | 04 05 | 368 | 0 13 | | | 7 98 | | | 06 | | | |
| 17 | 0050 | 02 00 | 04 33 | 310 | 0 34 | | | 7 89 | | | 06 | | | |
| 17 | 0060 | 03 40 | 04 92 | 154 | 1 09 | | | 7 63 | | | 06 | | | |
| 17 | 0070 | 04 11 | 05 33 | 066 | 1 73 | | | 7 35 | | | 06 | | | |
| 17 | 0080 | 04 28 | 05 49 | 040 | 1 73 | | | 7 21 | | | 06 | | | |
| 17 | 0090 | 04 45 | 05 54 | 032 | 2 00 | | | 7 16 | | | 06 | | | |
| 17 | 0100 | 04 59 | 05 61 | 021 | 2 32 | | | 7 11 | | | 06 | | | |
| 17 | 0125 | 04 71 | 05 74 | 008 | 2 62 | | | 7 09 | | | 06 | | | |
| 17 | 0150 | 04 75 | 05 80 | 006 | 2 90 | | | 6 98 | | | 06 | | | |
| | | | | | | | | 6 93 | | | | | | |
| 77 11 | 0486 | 57 07 | 0 17 | 40 | 963 | 10 24 | 23 | 0109 | | | | | | |
| 23 | 0000 | 07 03 | 03 82 | 355 | 0 04 | | | | | | 06 | | | |
| 23 | 0005 | 06 99 | 03 82 | 354 | 0 02 | | | 7 93 | | | 06 | | | |
| 23 | 0010 | 07 08 | 03 81 | 353 | 0 05 | | | 7 93 | | | 06 | | | |
| 23 | 0015 | 07 04 | 03 81 | 355 | 0 10 | | | 7 91 | | | 06 | | | |
| 23 | 0020 | 07 01 | 03 82 | 352 | 0 08 | | | 7 90 | | | 06 | | | |
| 23 | 0030 | 06 12 | 03 85 | 349 | 0 09 | | | 7 88 | | | 06 | | | |
| 23 | 0040 | 07 63 | 04 14 | 342 | 0 26 | | | 7 87 | | | 06 | | | |
| 23 | 0050 | 02 74 | 04 44 | 265 | 0 65 | | | 7 58 | | | 06 | | | |
| | | | | | | | | 7 93 | | | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 1 | Month | Day | Stat. time | Depth to bottom m |
|-----------|--------------|-------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|---------------------------------------|-----------|--------|-------|-----|------------|-------------------|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0:N+E | 1:N+W | | | | | |
| Obs. time | Obs. depth m | Temperature °C | Chlorosity g./dm ³ | Oxygen μmol/dm ³ | Phosphate-P μg.-atoms/dm ³ | Total P μg.-atoms/dm ³ | Silicate-Si μg.-atoms/dm ³ | Card code | | | | | |
| | | Nitrate-N μg.-atoms/dm ³ | Nitrite-N μg.-atoms/dm ³ | Ammonium-N μg.-atoms/dm ³ | Organic N μg.-atoms/dm ³ | pH | Alkalinity μval /dm ³ | | | | | | |

| | | | | | | | | |
|------------|-------|---------|------|-------|---------|------|--|----|
| 77 11 0486 | | | | | | | | |
| 23 0060 | 02 95 | 04 70 | 201 | 0 93 | | | | 06 |
| 23 0070 | 03 82 | 05 19 | 094 | 1 60 | | 7 21 | | 06 |
| 23 0080 | 04 43 | 05 51 | 026 | 2 18 | | 6 98 | | 06 |
| 23 0090 | 04 54 | 05 66 | 008 | 2 63 | | 6 93 | | 06 |
| 23 0100 | 04 67 | 05 74 | 009 | 3 07 | | 6 89 | | 06 |
| | | | | | | 6 90 | | |
| 77 11 0487 | 55 26 | 0 14 36 | 963 | 10 25 | 17 0072 | | | |
| 17 0000 | 08 98 | 04 22 | 327 | | | | | 06 |
| 17 0005 | 09 05 | 04 22 | | | | 7 60 | | 06 |
| 17 0010 | 08 96 | 04 22 | 326 | | | 7 50 | | 06 |
| 17 0015 | 08 53 | 04 22 | | | | 7 87 | | 06 |
| 17 0020 | 08 29 | 04 22 | | | | 7 89 | | 06 |
| 17 0030 | 06 23 | 04 22 | 347Q | | | 7 91 | | 06 |
| 17 0040 | 03 62 | 04 45 | | | | 7 92 | | 06 |
| 17 0050 | 10 75 | 07 34 | 268 | | | 7 65 | | 06 |
| 17 0060 | 11 57 | 08 72 | 241 | | | 7 74 | | 06 |
| 17 0070 | 11 54 | 09 64 | 218 | | | 7 77 | | 06 |
| | | | | | | 7 73 | | |

"Thetis"

Temperature and Salinity

| Country | Ship | Station number | Latitude ° | 0-N+E 1-N+W 2-S+E 3-S+W | Longitude ° | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|---------------------|------------------------------|----------------------------------|------------------------------|------------|---------------------------|--------------------------|--------------|-----------|---------------------|--------------|-----|
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | Temperature °C Wet ↓ bulb | | | Wind Dir. Speed kn. | | | Mixed layer depth m | | |
| Obs. time | Obs. depth m | Temperature °C ↓ | | Salinity ‰ ↓ | σ_t ↓ | ml/l ↓ | Oxygen Saturat. ‰ ↓ | Salin. method | Extra info. | Card code | | | |
| 77 13 | 0001 | 57 53 | 0 | 11 25 | 63 02 | 11 | 13 | 2 8 0 1 | | | | | |
| | 0060 | -02 | | | 11 12 | | 010 | | | | | | |
| | 13 0000 | -01 16 | | 23 56 | | | | 1 4 03 | | | | | |
| | 13 0005 | -01 20 | | 23 68 | | | | 1 4 03 | | | | | |
| | 13 0010 | -01 16 | | 23 80 | | | | 1 4 03 | | | | | |
| | 13 0015 | 00 18 | | 26 82 | | | | 1 4 03 | | | | | |
| | 13 0020 | 01 63 | | 29 61 | | | | 1 4 03 | | | | | |
| | 13 0030 | 04 25 | | 32 68 | | | | 1 4 03 | | | | | |
| | 13 0040 | 06 48 | | 34 24 | | | | 1 4 03 | | | | | |
| | 13 0050 | 07 05 | | | | | | 4 03 | | | | | |
| 77 13 | 0005 | 57 52 | 0 | 11 18 | 63 02 | 11 | 18 | 7 8 0 1 | | | | | |
| | 0097 | -01 5 | | | 14 12 | | 010 | | | | | | |
| | 18 0000 | -01 21 | | 23 27 | | | 09 21 | 1 4 03 | | | | | |
| | 18 0005 | -01 25 | | 23 21 | | | | 1 4 03 | | | | | |
| | 18 0010 | -01 16 | | 23 46 | | | 08 71 | 1 4 03 | | | | | |
| | 18 0015 | -00 23 | | 29 62 | | | | 1 4 03 | | | | | |
| | 18 0020 | 01 98 | | 31 58 | | | | 1 4 03 | | | | | |
| | 18 0030 | 04 02 | | 33 20 | | | 07 18 | 1 4 03 | | | | | |
| | 18 0040 | 06 52 | | 34 33 | | | | 1 4 03 | | | | | |
| | 18 0050 | 07 26 | | 34 79 | | | 06 10 | 1 4 03 | | | | | |
| | 18 0060 | 07 53 | | 35 11 | | | | 1 4 03 | | | | | |
| | 18 0070 | 06 94 | | 35 14 | | | 05 96 | 1 4 03 | | | | | |
| | 18 0080 | 06 89 | | 35 15 | | | | 1 4 03 | | | | | |
| | 18 0090 | 06 89 | | 35 11 | | | 05 97 | 1 4 03 | | | | | |
| 77 13 | 0006 | 57 50 | 0 | 11 04 | 63 02 | 11 | 19 | 7 8 0 1 | | | | | |
| | 0050 | -01 5 | | | 14 12 | | 008 | | | | | | |
| | 19 0000 | -01 07 | | 23 28 | | | | 1 4 03 | | | | | |
| | 19 0005 | -01 08 | | 23 17 | | | | 1 4 03 | | | | | |
| | 19 0010 | 01 04 | | 28 09 | | | | 1 4 03 | | | | | |
| | 19 0015 | 01 74 | | 30 88 | | | | 1 4 03 | | | | | |
| | 19 0020 | 03 11 | | 32 08 | | | | 1 4 03 | | | | | |
| | 19 0030 | 04 99 | | 33 40 | | | | 1 4 03 | | | | | |
| | 19 0040 | 06 31 | | 34 16 | | | | 1 4 03 | | | | | |
| 77 13 | 0007 | 57 47 | 0 | 10 53 | 63 02 | 11 | 21 | 7 8 0 1 | | | | | |
| | 0059 | -01 0 | | | 18 06 | | 007 | | | | | | |
| | 21 0000 | -01 15 | | 24 43 | | | | 1 4 03 | | | | | |
| | 21 0005 | -01 15 | | 24 54 | | | | 1 4 03 | | | | | |
| | 21 0010 | 01 84 | | 30 17 | | | | 1 4 03 | | | | | |
| | 21 0015 | 03 69 | | 32 22 | | | | 1 4 03 | | | | | |
| | 21 0020 | 04 82 | | 33 02 | | | | 1 4 03 | | | | | |
| | 21 0030 | 06 03 | | 34 04 | | | | 1 4 03 | | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|-------------|---------------|------------|--------------|--------------|-----|
| | | | 0 | 1-N+E | 2-S+E | 3-S+W | 0 | 1-N+W | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info | Card code | | |
| | | | ↓ | | | ↓ | | | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | |

77 13 0007

21 0040 07 13 34 65 1 4 03
 21 0050 07 52 35 04 1 4 03

77 13 0008 57 53 0 11 18 63 02 11 23 2 8 0 1
 0063 -01 6 14 10 013

23 0000 -01 07 23 86 1 0 03
 23 0005 -01 06 23 90 1 0 03
 23 0010 -01 07 24 26 1 0 03
 23 0015 -00 74 29 01 1 0 03
 23 0020 01 31 30 97 1 0 03
 23 0030 02 32 32 70 1 0 03
 23 0040 06 17 34 27 1 0 03
 23 0050 06 98 34 74 1 0 03
 23 0060 07 06 35 15 1 0 03

77 13 0009 58 06 0 11 12 63 02 12 00 2 8 0 9
 0075 -02 0 16 10 014

00 0000 -01 14 24 74 1 0 03
 00 0005 -01 16 25 17 1 0 03
 00 0010 -01 18 27 71 1 0 03
 00 0015 -00 68 29 71 1 0 03
 00 0020 03 18 32 49 1 0 03
 00 0030 03 82 33 23 1 0 03
 00 0040 05 65 34 13 1 0 03
 00 0050 06 62 34 54 1 0 03
 00 0060 07 28 35 08 1 0 03
 00 0070 07 20 35 14 1 0 03

77 13 0010 58 13 0 11 07 63 02 12 02 2 8 0 1
 0085 -02 0 16 10 010

02 0000 -01 43 27 95 1 0 03
 02 0005 -01 40 28 97 1 0 03
 02 0010 -01 27 29 77 1 0 03
 02 0015 -00 43 31 71 1 0 03
 02 0020 03 07 32 69 1 0 03
 02 0030 05 48 33 76 1 0 03
 02 0040 06 60 34 43 1 0 03
 02 0050 07 23 34 70 1 0 03
 02 0060 07 56 34 89 1 0 03
 02 0080 07 04 35 16 1 0 03

77 13 0016 58 16 0 11 20 63 02 12 13 2 7 0 1
 0039 -02 0 00 00 012

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |
| | | ↓ | | | ↓ | | | ↓ | ↓ | ↓ | ↓ | | | | | |

77 13 0016

| | | | | | | | | | | | | |
|---------|--------|-------|--|--|--|--|--|--|--|--|--|--------|
| 13 0000 | -01 05 | 23 67 | | | | | | | | | | 1 0 03 |
| 13 0005 | -01 12 | 23 77 | | | | | | | | | | 1 0 03 |
| 13 0010 | -01 23 | 25 18 | | | | | | | | | | 1 0 03 |
| 13 0015 | -01 01 | 27 58 | | | | | | | | | | 1 0 03 |
| 13 0020 | 00 28 | 29 54 | | | | | | | | | | 1 0 03 |
| 13 0030 | 05 32 | 33 64 | | | | | | | | | | 1 0 03 |
| 13 0035 | 05 99 | 34 01 | | | | | | | | | | 1 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0017 | 58 15 | 0 | 11 14 | 63 02 | 12 13 | 1 5 0 1 |
| 0053 | -02 0 | | | 00 00 | 008 | |

| | | | | | | |
|---------|--------|-------|--|--|-------|--------|
| 13 0000 | -01 13 | 24 18 | | | 09 48 | 1 0 03 |
| 13 0005 | -01 21 | 24 34 | | | | 1 0 03 |
| 13 0010 | -00 87 | 26 56 | | | 08 75 | 1 0 03 |
| 13 0015 | -00 05 | 29 05 | | | | 1 0 03 |
| 13 0020 | 01 39 | 30 94 | | | | 1 0 03 |
| 13 0030 | 04 34 | 33 17 | | | 06 60 | 1 0 03 |
| 13 0040 | 06 43 | 34 38 | | | | 1 0 03 |
| 13 0045 | 06 76 | 34 61 | | | 06 05 | 1 0 03 |

| | | | | | | |
|------------|-------|---|-------|-------|-------|---------|
| 77 13 0018 | 58 18 | 0 | 11 12 | 63 02 | 12 14 | 2 7 0 1 |
| 0058 | -02 0 | | | 32 04 | 005 | |

| | | | | | | |
|---------|--------|-------|--|--|--|--------|
| 14 0000 | -01 15 | 24 19 | | | | 1 0 03 |
| 14 0005 | -01 28 | 24 25 | | | | 1 0 03 |
| 14 0010 | 00 08 | 27 38 | | | | 1 0 03 |
| 14 0020 | 01 26 | 31 25 | | | | 1 0 03 |
| 14 0030 | 03 84 | 33 21 | | | | 1 0 03 |
| 14 0040 | 06 20 | 34 38 | | | | 1 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0019 | 58 20 | 0 | 11 10 | 63 02 | 12 14 | 1 6 0 1 |
| 0053 | -02 0 | | | 05 02 | 006 | |

| | | | | | | |
|---------|--------|-------|--|--|--|--------|
| 14 0000 | -01 06 | 24 18 | | | | 1 0 03 |
| 14 0005 | -01 14 | 24 44 | | | | 1 0 03 |
| 14 0010 | -00 97 | 27 68 | | | | 1 0 03 |
| 14 0015 | 00 45 | 29 38 | | | | 1 0 03 |
| 14 0020 | 01 44 | 30 98 | | | | 1 0 03 |
| 14 0030 | 04 13 | 33 22 | | | | 1 0 03 |
| 14 0040 | 05 88 | 34 34 | | | | 1 0 03 |
| 14 0050 | 07 10 | 34 80 | | | | 1 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0020 | 58 20 | 0 | 11 06 | 63 02 | 12 15 | 1 6 0 9 |
| 0058 | -02 | | | 05 04 | 010 | |

| | | | | | | |
|---------|--------|-------|--|--|--|--------|
| 15 0000 | -01 13 | 24 96 | | | | 1 4 03 |
|---------|--------|-------|--|--|--|--------|

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|---|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0 | ' | '' | 0 | ' | '' | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | -Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |

77 13 0020

| | | | | | | | | | | | | | | | | |
|----|------|--------|--|--|-------|--|--|--|--|--|--|---|---|----|--|--|
| 15 | 0005 | -01 25 | | | 27 17 | | | | | | | 1 | 4 | 03 | | |
| 15 | 0010 | -01 27 | | | 29 49 | | | | | | | 1 | 4 | 03 | | |
| 15 | 0015 | 00 46 | | | 31 24 | | | | | | | 1 | 4 | 03 | | |
| 15 | 0020 | 02 85 | | | 32 98 | | | | | | | 1 | 4 | 03 | | |
| 15 | 0030 | 03 73 | | | 33 63 | | | | | | | 1 | 4 | 03 | | |
| 15 | 0040 | 05 48 | | | 34 12 | | | | | | | 1 | 4 | 03 | | |
| 15 | 0050 | 07 17 | | | 35 11 | | | | | | | 1 | 4 | 03 | | |

| | | | | | | | | | | | | | | | | |
|----|----|------|-------|---|-------|-------|----|-----|---|---|---|---|--|--|--|--|
| 77 | 13 | 0021 | 58 20 | 0 | 11 02 | 63 02 | 12 | 15 | 2 | 8 | 0 | 9 | | | | |
| | | 0063 | -02 | | | 05 02 | | 010 | | | | | | | | |

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|----|------|--------|--|--|-------|--|--|--|--|--|--|---|---|----|--|--|
| 15 | 0000 | -01 24 | | | 25 64 | | | | | | | 1 | 0 | 03 | | |
| 15 | 0005 | -01 46 | | | 28 91 | | | | | | | 1 | 0 | 03 | | |
| 15 | 0010 | -01 09 | | | 29 84 | | | | | | | 1 | 0 | 03 | | |
| 15 | 0015 | 02 40 | | | 32 33 | | | | | | | 1 | 0 | 03 | | |
| 15 | 0020 | 03 32 | | | 33 26 | | | | | | | 1 | 0 | 03 | | |
| 15 | 0030 | 03 22 | | | 33 59 | | | | | | | 1 | 0 | 03 | | |
| 15 | 0040 | 05 38 | | | 34 20 | | | | | | | 1 | 0 | 03 | | |
| 15 | 0050 | 06 93 | | | 34 61 | | | | | | | 1 | 0 | 03 | | |

| | | | | | | | | | | | | | | | | |
|----|----|------|-------|---|-------|-------|----|-----|---|---|---|---|--|--|--|--|
| 77 | 13 | 0022 | 58 19 | 0 | 10 57 | 63 02 | 12 | 16 | 2 | 8 | 0 | 1 | | | | |
| | | 0100 | -02 | | | 02 02 | | 000 | | | | | | | | |

| | | | | | | | | | | | | | | | | |
|----|------|--------|--|--|-------|---|--|--|--|--|--|---|---|----|--|--|
| 16 | 0000 | -01 35 | | | 29 03 | Q | | | | | | 1 | 4 | 03 | | |
| 16 | 0005 | -00 91 | | | 30 11 | | | | | | | 1 | 4 | 03 | | |
| 16 | 0010 | 02 77 | | | 32 69 | | | | | | | 1 | 4 | 03 | | |
| 16 | 0015 | 04 32 | | | 33 26 | | | | | | | 1 | 4 | 03 | | |
| 16 | 0020 | 04 14 | | | 33 39 | | | | | | | 1 | 4 | 03 | | |
| 16 | 0030 | 05 68 | | | 33 89 | | | | | | | 1 | 4 | 03 | | |
| 16 | 0040 | 06 82 | | | 34 39 | | | | | | | 1 | 4 | 03 | | |
| 16 | 0050 | 06 87 | | | 34 58 | | | | | | | 1 | 4 | 03 | | |
| 16 | 0060 | 07 14 | | | 34 69 | | | | | | | 1 | 4 | 03 | | |
| 16 | 0070 | 07 34 | | | 34 80 | | | | | | | 1 | 4 | 03 | | |
| 16 | 0080 | 07 27 | | | 35 13 | | | | | | | 1 | 4 | 03 | | |
| 16 | 0090 | 06 97 | | | 35 23 | Q | | | | | | 1 | 4 | 03 | | |

| | | | | | | | | | | | | | | | | |
|----|----|------|-------|---|-------|-------|----|-----|---|---|---|---|--|--|--|--|
| 77 | 13 | 0023 | 58 18 | 0 | 10 49 | 63 02 | 12 | 17 | 2 | 7 | 0 | 1 | | | | |
| | | 0160 | -02 | | | 32 08 | | 000 | | | | | | | | |

| | | | | | | | | | | | | | | | | |
|----|------|--------|--|--|-------|--|--|--|--|--|--|---|---|----|--|--|
| 17 | 0000 | -01 37 | | | 29 79 | | | | | | | 1 | 0 | 03 | | |
| 17 | 0005 | -00 93 | | | 30 16 | | | | | | | 1 | 0 | 03 | | |
| 17 | 0010 | 02 18 | | | 32 08 | | | | | | | 1 | 0 | 03 | | |
| 17 | 0015 | 02 16 | | | 32 78 | | | | | | | 1 | 0 | 03 | | |
| 17 | 0020 | 05 13 | | | 33 42 | | | | | | | 1 | 0 | 03 | | |
| 17 | 0030 | 05 57 | | | 33 95 | | | | | | | 1 | 0 | 03 | | |
| 17 | 0040 | 06 92 | | | 34 49 | | | | | | | 1 | 0 | 03 | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|------------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
| | | ↓ | | | ↓ | | | ↓ | ↓ | ↓ | ↓ | | | | | |

77 13 0023

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|---------|-------|-------|--------|
| 17 0050 | 07 07 | 34 89 | 1 0 03 |
| 18 0060 | 07 51 | 34 90 | 1 0 03 |
| 18 0070 | 07 73 | 34 96 | 1 0 03 |
| 18 0080 | 07 60 | 35 00 | 1 0 03 |
| 18 0090 | 07 62 | 35 07 | 1 0 03 |
| 18 0100 | 07 55 | 35 11 | 1 0 03 |
| 18 0125 | 07 10 | 35 16 | 1 0 03 |
| 18 0150 | 06 52 | 35 16 | 1 0 03 |

| | | | | | | |
|------------|-------|---|-------|-------|-------|---------|
| 77 13 0024 | 58 16 | 0 | 10 44 | 63 02 | 12 18 | 2 8 0 1 |
| 0210 | -02 5 | | | 05 04 | 000 | |

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|---------|--------|-------|--------|
| 18 0000 | -01 42 | 30 17 | 1 0 03 |
| 18 0005 | -01 42 | 30 17 | 1 0 03 |
| 18 0010 | 00 73 | 31 01 | 1 0 03 |
| 18 0015 | 01 24 | 32 07 | 1 0 03 |
| 18 0020 | 02 69 | 32 75 | 1 0 03 |
| 18 0030 | 06 28 | 34 03 | 1 0 03 |
| 18 0040 | 07 56 | 34 63 | 1 0 03 |
| 18 0050 | 07 82 | 34 87 | 1 0 03 |
| 18 0060 | 07 81 | 34 93 | 1 0 03 |
| 19 0070 | 07 71 | 34 94 | 1 0 03 |
| 19 0080 | 07 64 | 34 97 | 1 0 03 |
| 19 0090 | 07 62 | 35 03 | 1 0 03 |
| 19 0100 | 07 50 | 35 05 | 1 0 03 |
| 19 0125 | 07 07 | 35 06 | 1 0 03 |
| 19 0150 | 06 88 | 35 09 | 1 0 03 |
| 19 0200 | 06 35 | 35 14 | 1 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0025 | 58 15 | 0 | 10 34 | 63 02 | 12 20 | 2 8 1 9 |
| 0270 | -02 2 | | | 05 10 | 000 | |

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|---------|--------|-------|--------|
| 20 0000 | -01 39 | 30 19 | 1 0 03 |
| 20 0005 | -01 31 | 30 19 | 1 0 03 |
| 20 0010 | 01 15 | 31 05 | 1 0 03 |
| 20 0015 | 03 24 | 32 28 | 1 0 03 |
| 20 0020 | 04 25 | 33 02 | 1 0 03 |
| 20 0030 | 06 45 | 34 23 | 1 0 03 |
| 20 0040 | 06 19 | 34 50 | 1 0 03 |
| 20 0050 | 07 09 | 34 78 | 1 0 03 |
| 20 0060 | 05 76 | 34 61 | 1 0 03 |
| 20 0070 | 06 66 | 34 86 | 1 0 03 |
| 20 0080 | 06 93 | 34 98 | 1 0 03 |
| 20 0090 | 07 01 | 35 02 | 1 0 03 |
| 20 0100 | 06 92 | 35 04 | 1 0 03 |
| 20 0125 | 07 01 | 35 09 | 1 0 03 |
| 20 0150 | 06 91 | 35 19 | 1 0 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|----|------------|---------|-----------|-------------|---------------|------------|--------------|--------------|-----|
| | | | 0 | 1.N+W | 2.S+E | 3.S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | -Wind | | Mixed layer | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info | Card code | | |
| | | | ↓ | | | ↓ | | | ↓ | ↓ | ↓ | | | | | |
| 77 13 | 0025 | | | | | | | | | | | | | | | |
| | 20 0200 | | 06 | 21 | | 35 | 11 | | | | | | 1 | 0 | 03 | |
| | 20 0250 | | 06 | 34 | | 35 | 13 | | | | | | 1 | 0 | 03 | |
| 77 13 | 0026 | | 58 | 13 | 0 | 10 | 24 | 63 | 02 | 12 | 21 | | 2 | 8 | 0 | 1 |
| | 0275 | | -02 | 2 | | | | 05 | 12 | | | 000 | | | | |
| | 21 0000 | | -01 | 36 | | 26 | 67 | | | | | | 1 | 0 | 03 | |
| | 21 0005 | | -01 | 04 | | 28 | 29 | | | | | | 1 | 0 | 03 | |
| | 21 0010 | | 00 | 53 | | 30 | 18 | | | | | | 1 | 0 | 03 | |
| | 21 0015 | | 01 | 84 | | 31 | 29 | | | | | | 1 | 0 | 03 | |
| | 21 0020 | | 03 | 92 | | 33 | 27 | | | | | | 1 | 0 | 03 | |
| | 21 0030 | | 05 | 71 | | 34 | 39 | | | | | | 1 | 0 | 03 | |
| | 21 0040 | | 06 | 48 | | 34 | 72 | | | | | | 1 | 0 | 03 | |
| | 21 0050 | | 07 | 48 | | 34 | 99 | | | | | | 1 | 0 | 03 | |
| | 21 0060 | | 07 | 31 | | 35 | 02 | | | | | | 1 | 0 | 03 | |
| | 21 0070 | | 07 | 50 | | 35 | 07 | | | | | | 1 | 0 | 03 | |
| | 22 0080 | | 07 | 35 | | 35 | 12 | | | | | | 1 | 0 | 03 | |
| | 22 0090 | | 07 | 33 | | 35 | 12 | | | | | | 1 | 0 | 03 | |
| | 22 0100 | | 07 | 13 | | 35 | 11 | | | | | | 1 | 0 | 03 | |
| | 22 0125 | | 07 | 03 | | 35 | 12 | | | | | | 1 | 0 | 03 | |
| | 22 0150 | | 06 | 82 | | 35 | 14 | | | | | | 1 | 0 | 03 | |
| | 22 0200 | | 06 | 44 | | 35 | 14 | | | | | | 1 | 0 | 03 | |
| | 22 0250 | | 06 | 40 | | 35 | 13 | | | | | | 1 | 0 | 03 | |
| 77 13 | 0027 | | 58 | 09 | 0 | 10 | 06 | 63 | 02 | 12 | 24 | | 2 | 8 | 1 | 9 |
| | 0260 | | -01 | 6 | | | | 05 | 12 | | | 000 | | | | |
| | 24 0000 | | 00 | 47 | | 30 | 92 | | | | | | 1 | 0 | 03 | |
| | 24 0005 | | 03 | 14 | | 31 | 75 | | | | | | 1 | 0 | 03 | |
| | 24 0010 | | 05 | 61 | | 33 | 89 | | | | | | 1 | 0 | 03 | |
| | 24 0015 | | 06 | 90 | | 34 | 31 | | | | | | 1 | 0 | 03 | |
| | 24 0020 | | 07 | 51 | | 34 | 51 | | | | | | 1 | 0 | 03 | |
| | 24 0030 | | 08 | 23 | | 34 | 76 | | | | | | 1 | 0 | 03 | |
| | 24 0040 | | 08 | 15 | | 34 | 85 | | | | | | 1 | 0 | 03 | |
| | 24 0050 | | 07 | 75 | | 34 | 90 | | | | | | 1 | 0 | 03 | |
| | 24 0060 | | 07 | 61 | | 34 | 95 | | | | | | 1 | 0 | 03 | |
| | 24 0070 | | 07 | 19 | | 34 | 93 | | | | | | 1 | 0 | 03 | |
| | 24 0080 | | 07 | 36 | | 35 | 01 | | | | | | 1 | 0 | 03 | |
| | 24 0090 | | 07 | 28 | | 35 | 05 | | | | | | 1 | 0 | 03 | |
| | 24 0100 | | 07 | 11 | | 35 | 03 | | | | | | 1 | 0 | 03 | |
| | 24 0125 | | 06 | 87 | | 35 | 08 | | | | | | 1 | 0 | 03 | |
| | 24 0150 | | 06 | 94 | | 35 | 14 | | | | | | 1 | 0 | 03 | |
| | 24 0200 | | 06 | 67 | | 35 | 15 | | | | | | 1 | 0 | 03 | |
| | 24 0250 | | 06 | 43 | | 35 | 16 | | | | | | 1 | 0 | 03 | |
| 77 13 | 0028 | | 58 | 05 | 0 | 09 | 46 | 63 | 02 | 13 | 02 | | 2 | 8 | 2 | 9 |
| | 0370 | | -01 | 5 | | | | 02 | 14 | | | 010 | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|-----------|--------|------------|---------------|-------------|-----------|--------------|---------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | | Wind | | Mixed layer | | | | | | |
| | | | Dry ↓ | bulb | Wet ↓ | bulb | Dir. | Speed kn. | | | depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | | | | |
| | | ↓ | | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | |

77 13 0028

| | | | |
|---------|-------|-------|--------|
| 02 0000 | 01 93 | 31 74 | 1 0 03 |
| 02 0005 | 01 93 | 31 74 | 1 0 03 |
| 02 0010 | 02 42 | 32 32 | 1 0 03 |
| 02 0015 | 03 31 | 32 56 | 1 0 03 |
| 02 0020 | 05 37 | 33 44 | 1 0 03 |
| 02 0030 | 06 97 | 34 26 | 1 0 03 |
| 02 0040 | 08 02 | 34 64 | 1 0 03 |
| 02 0050 | 08 23 | 34 75 | 1 0 03 |
| 02 0060 | 08 00 | 34 84 | 1 0 03 |
| 02 0070 | 07 97 | 34 93 | 1 0 03 |
| 02 0080 | 07 95 | 34 94 | 1 0 03 |
| 02 0090 | 07 62 | 34 94 | 1 0 03 |
| 02 0100 | 07 76 | 35 09 | 1 0 03 |
| 02 0125 | 07 59 | 35 09 | 1 0 03 |
| 02 0150 | 07 17 | 35 09 | 1 0 03 |
| 02 0200 | 06 93 | 35 15 | 1 0 03 |
| 02 0300 | 06 48 | 35 15 | 1 0 03 |
| 02 0350 | 06 51 | 35 14 | 1 0 03 |

| | | | | | | |
|------------|-------|---|-------|-------|-------|---------|
| 77 13 0029 | 58 02 | 0 | 09 25 | 63 02 | 13 04 | 2 8 2 9 |
| 0480 | -01 5 | | | 05 12 | 010 | |

| | | | |
|---------|-------|-------|--------|
| 05 0000 | 02 09 | 32 03 | 1 0 03 |
| 05 0005 | 02 03 | 32 03 | 1 0 03 |
| 05 0010 | 02 51 | 32 27 | 1 0 03 |
| 05 0015 | 03 23 | 32 64 | 1 0 03 |
| 05 0020 | 04 66 | 33 19 | 1 0 03 |
| 05 0030 | 05 60 | 33 74 | 1 0 03 |
| 05 0040 | 06 88 | 34 28 | 1 0 03 |
| 05 0050 | 07 97 | 34 64 | 1 0 03 |
| 04 0060 | 08 23 | 34 70 | 1 0 03 |
| 04 0070 | 07 76 | 34 75 | 1 0 03 |
| 04 0080 | 07 25 | 34 76 | 1 0 03 |
| 04 0090 | 07 13 | 34 79 | 1 0 03 |
| 04 0100 | 07 10 | 34 82 | 1 0 03 |
| 04 0125 | 06 90 | 34 91 | 1 0 03 |
| 04 0150 | 07 81 | 35 12 | 1 0 03 |
| 04 0200 | 07 11 | 35 13 | 1 0 03 |
| 04 0300 | 06 82 | 35 15 | 1 0 03 |
| 04 0350 | 06 58 | 35 14 | 1 0 03 |
| 04 0400 | 06 44 | 35 14 | 1 0 03 |
| 04 0450 | 06 46 | 35 18 | 1 0 03 |

| | | | | | | |
|------------|-------|---|-------|-------|-------|---------|
| 77 13 0030 | 57 57 | 0 | 09 06 | 63 02 | 13 07 | 2 8 3 9 |
| 0500 | -01 | | | 05 18 | 000 | |

| | | | | |
|---------|-------|-------|-------|--------|
| 07 0000 | 05 15 | 33 99 | 06 92 | 1 0 03 |
|---------|-------|-------|-------|--------|

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|------------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | -Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |
| | | ↓ | | | ↓ | | | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | |

77 13 0032

| | | | |
|---------|-------|-------|--------|
| 12 0010 | 04 04 | 33 36 | 1 0 03 |
| 12 0015 | 04 87 | 33 74 | 1 0 03 |
| 12 0020 | 05 45 | 34 04 | 1 0 03 |
| 12 0030 | 05 80 | 34 32 | 1 0 03 |
| 12 0040 | 06 43 | 34 47 | 1 0 03 |
| 12 0050 | 06 75 | 34 54 | 1 0 03 |
| 12 0060 | 06 95 | 34 63 | 1 0 03 |
| 12 0070 | 07 40 | 34 79 | 1 0 03 |
| 12 0080 | 07 19 | 34 82 | 1 0 03 |
| 12 0090 | 06 94 | 34 82 | 1 0 03 |
| 12 0100 | 06 40 | 34 74 | 1 0 03 |
| 12 0125 | 06 83 | 34 99 | 1 0 03 |
| 12 0150 | 07 25 | 35 16 | 1 0 03 |
| 12 0200 | 07 00 | 35 14 | 1 0 03 |
| 12 0300 | 06 63 | 35 14 | 1 0 03 |
| 12 0400 | 06 38 | 35 15 | 1 0 03 |
| 12 0475 | 06 32 | 35 18 | 1 0 03 |

77 13 0033 58 13 0 08 44 63 02 13 14 2 8 3 9
0260 -01 3 02 16 000

| | | | |
|---------|--------|-------|--------|
| 14 0000 | -00 10 | 30 79 | 1 0 03 |
| 14 0005 | -00 17 | 30 79 | 1 0 03 |
| 14 0010 | -00 16 | 30 79 | 1 0 03 |
| 14 0015 | -00 08 | 31 03 | 1 0 03 |
| 14 0020 | 00 65 | 31 31 | 1 0 03 |
| 14 0030 | 03 37 | 32 67 | 1 0 03 |
| 14 0040 | 05 94 | 33 95 | 1 0 03 |
| 14 0050 | 05 35 | 33 94 | 1 0 03 |
| 14 0060 | 06 92 | 34 26 | 1 0 03 |
| 14 0070 | 07 53 | 34 53 | 1 0 03 |
| 14 0080 | 07 09 | 34 61 | 1 0 03 |
| 14 0090 | 07 34 | 34 75 | 1 0 03 |
| 14 0100 | 07 84 | 34 94 | 1 0 03 |
| 14 0125 | 07 63 | 35 13 | 1 0 03 |
| 14 0150 | 07 23 | 35 16 | 1 0 03 |
| 14 0200 | 06 95 | 35 22 | 1 0 03 |
| 14 0250 | 06 80 | 35 22 | 1 0 03 |

77 13 0034 58 21 0 08 58 63 02 13 16 7 8 3 9
0330 -01 4 05 16 020

| | | | |
|---------|--------|-------|--------|
| 16 0000 | -00 23 | 30 96 | 1 0 03 |
| 16 0005 | -00 24 | 30 96 | 1 0 03 |
| 16 0010 | -00 27 | 30 97 | 1 0 03 |
| 16 0015 | -00 21 | 30 96 | 1 0 03 |
| 16 0020 | -00 24 | 30 97 | 1 0 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice | |
|---------|------|-------------------|------------------------------|---------------------|---|------------------------------|-----------------|---|---------------------------|---------------------|---------------------|--------------|-----------------|---------------|--------------|-----------|---|
| | | | 0 | 1 | 2 | 3 | 0 | 1 | | | | | | | | | 2 |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | | Temperature °C Wet ↓ bulb | | | -Wind Dir. Speed kn. | | Mixed layer depth m | | | | | | |
| | | Obs. time | Obs. depth m | Temperature °C ↓ | | | Salinity ‰ ↓ | | | σ _t ↓ | ml/l ↓ | Oxygen ↓ | Saturat. ‰ ↓ | Salin. method | Extra info. | Card code | |

77 13 0034

| | | | | | | | | | | | | | |
|---------|-------|-------|--|--|--|--|--|--|--|--|--|--|--------|
| 16 0030 | 02 98 | 32 44 | | | | | | | | | | | 1 0 03 |
| 16 0040 | 04 54 | 33 36 | | | | | | | | | | | 1 0 03 |
| 16 0050 | 05 22 | 33 81 | | | | | | | | | | | 1 0 03 |
| 16 0060 | 05 84 | 34 10 | | | | | | | | | | | 1 0 03 |
| 16 0070 | 07 91 | 34 72 | | | | | | | | | | | 1 0 03 |
| 16 0080 | 07 97 | 34 94 | | | | | | | | | | | 1 0 03 |
| 16 0090 | 07 72 | 35 08 | | | | | | | | | | | 1 0 03 |
| 16 0100 | 07 82 | 35 16 | | | | | | | | | | | 1 0 03 |
| 16 0125 | 07 32 | 35 15 | | | | | | | | | | | 1 0 03 |
| 16 0150 | 07 20 | 35 21 | | | | | | | | | | | 1 0 03 |
| 16 0200 | 06 89 | 35 21 | | | | | | | | | | | 1 0 03 |

| | | | | | | | |
|------------|-------|---|-------|-------|----|-----|---------|
| 77 13 0035 | 58 28 | 0 | 09 09 | 63 02 | 13 | 18 | 7 8 3 9 |
| 0365 | -02 0 | | | 05 20 | | 000 | |

| | | | | | | | |
|---------|--------|-------|--|--|--|--|--------|
| 18 0000 | -00 10 | 31 07 | | | | | 1 0 03 |
| 18 0005 | -00 15 | 31 06 | | | | | 1 0 03 |
| 18 0010 | -00 17 | 31 05 | | | | | 1 0 03 |
| 18 0015 | -00 12 | 31 08 | | | | | 1 0 03 |
| 18 0020 | -00 18 | 31 14 | | | | | 1 0 03 |
| 18 0030 | 03 54 | 32 86 | | | | | 1 0 03 |
| 18 0040 | 07 65 | 34 82 | | | | | 1 0 03 |
| 18 0050 | 07 99 | 35 02 | | | | | 1 0 03 |
| 18 0060 | 07 67 | 35 04 | | | | | 1 0 03 |
| 18 0070 | 07 67 | 35 08 | | | | | 1 0 03 |
| 18 0080 | 07 76 | 35 14 | | | | | 1 0 03 |
| 18 0090 | 07 67 | 35 16 | | | | | 1 0 03 |
| 18 0100 | 07 07 | 35 08 | | | | | 1 0 03 |
| 18 0125 | 06 87 | 35 17 | | | | | 1 0 03 |
| 18 0150 | 06 77 | 35 18 | | | | | 1 0 03 |
| 18 0200 | 06 77 | 35 20 | | | | | 1 0 03 |
| 18 0300 | 06 55 | 35 19 | | | | | 1 0 03 |

| | | | | | | | |
|------------|-------|---|-------|-------|----|-----|---------|
| 77 13 0036 | 58 35 | 0 | 09 20 | 63 02 | 13 | 20 | 7 8 3 9 |
| 0250 | -02 0 | | | 05 16 | | 000 | |

| | | | | | | | |
|---------|--------|-------|--|--|--|--|--------|
| 20 0000 | -01 33 | 29 09 | | | | | 1 0 03 |
| 20 0005 | -01 34 | 29 06 | | | | | 1 0 03 |
| 20 0010 | -00 58 | 30 43 | | | | | 1 0 03 |
| 20 0015 | -00 39 | 30 56 | | | | | 1 0 03 |
| 20 0020 | 02 51 | 31 78 | | | | | 1 0 03 |
| 20 0030 | 05 95 | 33 66 | | | | | 1 0 03 |
| 20 0040 | 07 23 | 34 36 | | | | | 1 0 03 |
| 20 0050 | 07 67 | 34 71 | | | | | 1 0 03 |
| 20 0060 | 07 89 | 34 86 | | | | | 1 0 03 |
| 20 0070 | 07 74 | 35 00 | | | | | 1 0 03 |
| 20 0080 | 07 86 | 35 03 | | | | | 1 0 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice | |
|--------------|--------------|----------------------|------------------------------|-------|------------|------------|------------------------------|--------------------------|------------|------------------|----------------|-----------------|------------------------|-----------------|-----------------|-----|---|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | | 2 |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | | | Temperature °C Wet ↓ bulb | Wind Dir. Speed kn. | | | | | Mixed layer depth m | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | | | | |

77 13 0036

| | | | | | | | | | | | | |
|---------|-------|--|-------|--|--|--|--|--|--|--|--|--------|
| 20 0090 | 07 76 | | 35 06 | | | | | | | | | 1 0 03 |
| 20 0100 | 07 70 | | 35 11 | | | | | | | | | 1 0 03 |
| 20 0125 | 07 12 | | 35 15 | | | | | | | | | 1 0 03 |
| 20 0150 | 07 01 | | 35 16 | | | | | | | | | 1 0 03 |
| 20 0200 | 06 77 | | 35 21 | | | | | | | | | 1 0 03 |

| | | | | | | |
|------------|-------|---|-------|-------|-------|---------|
| 77 13 0037 | 58 41 | 0 | 09 30 | 63 02 | 13 22 | 2 8 3 9 |
| 0280 | -02 0 | | | 05 16 | 014 | |

| | | | | | | | | | | | | |
|---------|--------|--|-------|--|--|--|--|--|--|--|--|--------|
| 22 0000 | -00 90 | | 30 26 | | | | | | | | | 1 0 03 |
| 22 0005 | -00 95 | | 30 27 | | | | | | | | | 1 0 03 |
| 22 0010 | -00 95 | | 30 27 | | | | | | | | | 1 0 03 |
| 22 0015 | -00 73 | | 30 31 | | | | | | | | | 1 0 03 |
| 22 0020 | 00 76 | | 30 95 | | | | | | | | | 1 0 03 |
| 22 0030 | 06 39 | | 33 92 | | | | | | | | | 1 0 03 |
| 22 0040 | 07 75 | | 34 63 | | | | | | | | | 1 0 03 |
| 22 0050 | 07 91 | | 34 85 | | | | | | | | | 1 0 03 |
| 22 0060 | 07 94 | | 34 96 | | | | | | | | | 1 0 03 |
| 22 0070 | 07 93 | | 34 99 | | | | | | | | | 1 0 03 |
| 22 0080 | 07 78 | | 35 02 | | | | | | | | | 1 0 03 |
| 22 0090 | 07 72 | | 35 05 | | | | | | | | | 1 0 03 |
| 22 0100 | 07 62 | | 35 11 | | | | | | | | | 1 0 03 |
| 22 0125 | 07 42 | | 35 17 | | | | | | | | | 1 0 03 |
| 22 0150 | 06 87 | | 35 11 | | | | | | | | | 1 0 03 |
| 22 0200 | 06 81 | | 35 17 | | | | | | | | | 1 0 03 |
| 22 0250 | 06 74 | | 35 22 | | | | | | | | | 1 0 03 |

| | | | | | | |
|------------|-------|---|-------|-------|-------|---------|
| 77 13 0038 | 58 47 | 0 | 09 40 | 63 02 | 13 23 | 7 8 3 9 |
| 0190 | -02 0 | | | 05 24 | 011 | |

| | | | | | | | | | | | | |
|---------|--------|--|-------|--|--|--|--|--|--|--|--|--------|
| 24 0000 | -01 25 | | 29 93 | | | | | | | | | 1 0 03 |
| 24 0005 | -01 21 | | 29 95 | | | | | | | | | 1 0 03 |
| 24 0010 | -01 10 | | 30 05 | | | | | | | | | 1 0 03 |
| 24 0015 | -00 51 | | 30 60 | | | | | | | | | 1 0 03 |
| 24 0020 | 02 60 | | 31 62 | | | | | | | | | 1 0 03 |
| 24 0030 | 06 28 | | 33 85 | | | | | | | | | 1 0 03 |
| 24 0040 | 07 47 | | 34 59 | | | | | | | | | 1 0 03 |
| 24 0050 | 07 87 | | 34 83 | | | | | | | | | 1 0 03 |
| 23 0060 | 07 98 | | 34 92 | | | | | | | | | 1 0 03 |
| 23 0070 | 08 01 | | 35 02 | | | | | | | | | 1 0 03 |
| 23 0080 | 07 81 | | 35 05 | | | | | | | | | 1 0 03 |
| 23 0090 | 07 77 | | 35 06 | | | | | | | | | 1 0 03 |
| 23 0100 | 07 62 | | 35 07 | | | | | | | | | 1 0 03 |
| 23 0125 | 07 44 | | 35 18 | | | | | | | | | 1 0 03 |
| 23 0150 | 07 28 | | 35 19 | | | | | | | | | 1 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0039 | 58 47 | 0 | 09 58 | 63 02 | 14 02 | 7 8 3 9 |
| 0215 | -02 0 | | | 05 18 | 017 | |

| Country | Ship | Station number | Latitude | | Longitude | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|--------|---------|------------|---------------|--------------|-----------|--------------|--------------|-----|
| | | | 0-N+E | 1-N+W | 2-S+E | 3-S+W | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | -Wind | | Mixed layer | | | | | |
| | | | Dry ↓ | bulb | Wet ↓ | bulb | Dir. | Speed kn. | depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml / l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | | |
| | | ↓ | | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | |

77 13 0039

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|----|------|-----|----|----|----|--|--|--|--|---|---|----|--|--|
| 02 | 0000 | -00 | 94 | 30 | 47 | | | | | 1 | 0 | 03 | | |
| 02 | 0005 | -00 | 97 | 30 | 45 | | | | | 1 | 0 | 03 | | |
| 02 | 0010 | -00 | 95 | 30 | 49 | | | | | 1 | 0 | 03 | | |
| 02 | 0015 | 00 | 84 | 30 | 97 | | | | | 1 | 0 | 03 | | |
| 02 | 0020 | 04 | 52 | 32 | 84 | | | | | 1 | 0 | 03 | | |
| 02 | 0030 | 05 | 98 | 33 | 67 | | | | | 1 | 0 | 03 | | |
| 02 | 0040 | 06 | 98 | 34 | 21 | | | | | 1 | 0 | 03 | | |
| 02 | 0050 | 07 | 69 | 34 | 53 | | | | | 1 | 0 | 03 | | |
| 02 | 0060 | 08 | 35 | 34 | 82 | | | | | 1 | 0 | 03 | | |
| 02 | 0070 | 08 | 23 | 34 | 89 | | | | | 1 | 0 | 03 | | |
| 02 | 0080 | 08 | 08 | 34 | 94 | | | | | 1 | 0 | 03 | | |
| 02 | 0090 | 07 | 98 | 34 | 98 | | | | | 1 | 0 | 03 | | |
| 02 | 0100 | 07 | 88 | 34 | 98 | | | | | 1 | 0 | 03 | | |
| 02 | 0125 | 07 | 46 | 35 | 12 | | | | | 1 | 0 | 03 | | |
| 02 | 0150 | 07 | 43 | 35 | 12 | | | | | 1 | 0 | 03 | | |
| 02 | 0200 | 07 | 10 | 35 | 13 | | | | | 1 | 0 | 03 | | |

| | | | | | | | | | | | | | | | |
|----|----|------|-----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 13 | 0040 | 58 | 47 | 0 | 10 | 15 | 63 | 02 | 14 | 04 | 7 | 8 | 3 | 9 |
| | | 0200 | -02 | 0 | | | | 05 | 16 | | 018 | | | | |

| | | | | | | | | | | | | | | |
|----|------|-----|----|----|----|--|--|--|--|---|---|----|--|--|
| 04 | 0000 | -00 | 90 | 30 | 33 | | | | | 1 | 0 | 03 | | |
| 04 | 0005 | -01 | 00 | 30 | 41 | | | | | 1 | 0 | 03 | | |
| 04 | 0010 | -00 | 94 | 30 | 36 | | | | | 1 | 0 | 03 | | |
| 04 | 0015 | -00 | 85 | 30 | 38 | | | | | 1 | 0 | 03 | | |
| 04 | 0020 | 04 | 09 | 32 | 61 | | | | | 1 | 0 | 03 | | |
| 04 | 0030 | 06 | 23 | 33 | 74 | | | | | 1 | 0 | 03 | | |
| 04 | 0040 | 07 | 10 | 34 | 23 | | | | | 1 | 0 | 03 | | |
| 04 | 0050 | 07 | 81 | 34 | 60 | | | | | 1 | 0 | 03 | | |
| 04 | 0060 | | | 34 | 84 | | | | | 1 | 0 | 03 | | |
| 04 | 0070 | 08 | 20 | 34 | 87 | | | | | 1 | 0 | 03 | | |
| 04 | 0080 | 08 | 04 | 34 | 92 | | | | | 1 | 0 | 03 | | |
| 04 | 0090 | 07 | 86 | 34 | 97 | | | | | 1 | 0 | 03 | | |
| 04 | 0100 | 07 | 86 | 35 | 01 | | | | | 1 | 0 | 03 | | |
| 04 | 0125 | 07 | 60 | 35 | 06 | | | | | 1 | 0 | 03 | | |
| 04 | 0150 | 07 | 24 | 35 | 14 | | | | | 1 | 0 | 03 | | |
| 04 | 0190 | 06 | 81 | 35 | 18 | | | | | 1 | 0 | 03 | | |

| | | | | | | | | | | | | | | | |
|----|----|------|-----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 13 | 0041 | 58 | 47 | 0 | 10 | 32 | 63 | 02 | 14 | 06 | 7 | 8 | 2 | 9 |
| | | 0120 | -03 | | | | | 07 | 16 | | 022 | | | | |

| | | | | | | | | | | | | | | |
|----|------|-----|----|----|----|--|--|--|--|---|---|----|--|--|
| 06 | 0000 | -01 | 14 | 30 | 39 | | | | | 1 | 0 | 03 | | |
| 06 | 0005 | -01 | 10 | 30 | 37 | | | | | 1 | 0 | 03 | | |
| 06 | 0010 | -01 | 11 | 30 | 39 | | | | | 1 | 0 | 03 | | |
| 06 | 0015 | -01 | 09 | 30 | 41 | | | | | 1 | 0 | 03 | | |
| 06 | 0020 | -01 | 02 | 30 | 40 | | | | | 1 | 0 | 03 | | |
| 06 | 0030 | 00 | 35 | 30 | 97 | | | | | 1 | 0 | 03 | | |
| 06 | 0040 | 06 | 55 | 34 | 16 | | | | | 1 | 0 | 03 | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|-------|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0:N+E | 1:N+W | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
| | | ↓ | | | ↓ | | | ↓ | ↓ | ↓ | ↓ | | | | | |

77 13 0041

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|---------|-------|-------|--|--|--|--|--|--|--|--|--|--------|
| 06 0050 | 07 57 | 34 81 | | | | | | | | | | 1 0 03 |
| 06 0060 | 07 46 | 34 94 | | | | | | | | | | 1 0 03 |
| 06 0070 | 07 46 | 34 92 | | | | | | | | | | 1 0 03 |
| 06 0080 | 07 42 | 35 01 | | | | | | | | | | 1 0 03 |
| 06 0090 | 07 36 | 35 08 | | | | | | | | | | 1 0 03 |
| 06 0100 | 07 17 | 35 17 | | | | | | | | | | 1 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0042 | 58 47 | 0 | 10 50 | 63 02 | 14 08 | 7 8 1 9 |
| 0072 | -04 0 | | | 05 10 | 008 | |

| | | | | | | |
|---------|--------|-------|--|--|--|--------|
| 08 0000 | -01 35 | 26 14 | | | | 1 0 03 |
| 08 0005 | -00 75 | 30 49 | | | | 1 0 03 |
| 08 0010 | 01 18 | 31 71 | | | | 1 0 03 |
| 08 0015 | 02 14 | 32 65 | | | | 1 0 03 |
| 08 0020 | 02 71 | 33 14 | | | | 1 0 03 |
| 08 0030 | 06 16 | 34 32 | | | | 1 0 03 |
| 08 0040 | 06 76 | 34 62 | | | | 1 0 03 |
| 08 0050 | 06 80 | 34 68 | | | | 1 0 03 |
| 08 0060 | 07 02 | 34 81 | | | | 1 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0043 | 58 40 | 0 | 10 52 | 63 02 | 14 09 | 7 8 1 9 |
| 0075 | -04 | | | 05 12 | 000 | |

| | | | | | | |
|---------|--------|-------|--|--|--|--------|
| 09 0000 | -01 52 | 29 21 | | | | 1 0 03 |
| 09 0005 | -01 48 | 29 59 | | | | 1 0 03 |
| 09 0010 | -01 18 | 30 34 | | | | 1 0 03 |
| 09 0015 | 00 29 | 30 89 | | | | 1 0 03 |
| 09 0020 | 05 73 | 33 53 | | | | 1 0 03 |
| 09 0030 | 07 23 | 34 41 | | | | 1 0 03 |
| 09 0040 | 06 89 | 34 85 | | | | 1 0 03 |
| 09 0050 | 06 84 | | | | | 0 03 |
| 09 0060 | 06 99 | 34 80 | | | | 1 0 03 |
| 09 0070 | 07 32 | 34 98 | | | | 1 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0044 | 58 33 | 0 | 10 53 | 63 02 | 14 10 | 7 8 0 1 |
| 0078 | -04 | | | 05 12 | 010 | |

| | | | | | | |
|---------|--------|-------|--|--|--|--------|
| 10 0000 | -01 25 | 24 34 | | | | 1 0 03 |
| 10 0005 | -01 35 | 28 94 | | | | 1 0 03 |
| 10 0010 | -01 30 | 29 98 | | | | 1 0 03 |
| 10 0015 | -00 72 | 30 47 | | | | 1 0 03 |
| 10 0020 | -00 69 | 30 56 | | | | 1 0 03 |
| 10 0030 | 06 04 | 33 68 | | | | 1 0 03 |
| 10 0040 | 06 65 | 34 43 | | | | 1 0 03 |
| 10 0050 | 06 32 | 34 46 | | | | 1 0 03 |
| 10 0060 | 06 14 | 34 56 | | | | 1 0 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|-------|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0:N+E | 1:N+W | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
| | | ↓ | | | ↓ | | | ↓ | ↓ | ↓ | ↓ | | | | | |

77 13 0044

10 0070 06 42 34 67 1 0 03

77 13 0045 58 27 0 10 57 63 02 14 12 2 8 0 1
0065 -03 1 07 12 000

12 0000 -01 16 23 83 1 0 03

12 0005 -00 97 27 15 1 0 03

12 0010 -00 40 28 84 1 0 03

12 0015 00 22 30 41 1 0 03

12 0020 01 43 32 06 1 0 03

12 0030 03 74 33 43 1 0 03

12 0040 06 18 34 27 1 0 03

12 0050 06 32 34 46 1 0 03

12 0060 06 69 34 66 1 0 03

77 13 0050 55 18 0 14 24 63 03 27 20 2 7 1 9
0049 -01 05 06 045†

20 0000 -00 01 07 47 1 0 03

20 0005 00 01 07 48 1 0 03

20 0010 -00 03 07 48 1 0 03

20 0015 00 04 07 49 1 0 03

20 0020 -00 27 07 59 1 0 03

20 0030 -00 35 07 93 1 0 03

20 0040 -00 32 08 02 1 0 03

20 0045 -00 22 08 44 1 0 03

77 13 0051 55 28 0 14 39 63 03 27 22 2 8 2 9
0073 -01 2 07 10 040

22 0000 -00 11 07 33 09 94 1 0 03

22 0005 -00 14 07 33 1 0 03

22 0010 -00 12 07 33 09 98 1 0 03

22 0015 -00 17 07 35 1 0 03

22 0020 -00 12 07 38 1 0 03

22 0030 -00 30 07 71 09 93 1 0 03

22 0040 -00 28 07 92 1 0 03

22 0050 -00 05 08 56 09 54 1 0 03

22 0060 00 04 11 48 1 0 03

22 0070 00 33 13 47 08 28 1 0 03

77 13 0052 55 48 0 16 02 63 03 29 16 1 6 2 9
0064 01 11 20 035

16 0000 00 03 07 51 1 0 03

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
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77 13 0052

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|---------|--------|--|--|-------|--|--|--|-------|--|--|--------|
| 16 0010 | -00 04 | | | 07 53 | | | | 09 94 | | | 1 0 03 |
| 16 0020 | 00 09 | | | 07 55 | | | | | | | 1 0 03 |
| 16 0030 | -00 05 | | | 07 55 | | | | 10 08 | | | 1 0 03 |
| 16 0040 | -00 07 | | | 07 57 | | | | | | | 1 0 03 |
| 16 0050 | 00 29 | | | 07 83 | | | | 09 66 | | | 1 0 03 |
| 16 0060 | 01 51 | | | 09 71 | | | | 08 13 | | | 1 0 03 |
| 16 0063 | 04 40 | | | 12 23 | | | | 04 60 | | | 1 0 03 |

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|------------|-------|---|-------|-------|--|-------|--|---------|
| 77 13 0053 | 55 58 | 0 | 15 28 | 63 04 | | 03 14 | | 7 8 1 9 |
| 0045 | 01 | | | 20 12 | | | | |

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|---------|-------|--|-------|--|-------|--|--|--------|
| 14 0000 | 00 17 | | 07 36 | | | | | 1 0 03 |
| 14 0010 | 00 03 | | 07 36 | | 09 81 | | | 1 0 03 |
| 14 0020 | 00 06 | | 07 35 | | | | | 1 0 03 |
| 14 0030 | 00 06 | | 07 35 | | 09 97 | | | 1 0 03 |
| 14 0040 | 00 06 | | 07 36 | | | | | 1 0 03 |
| 14 0045 | 00 07 | | 07 35 | | 09 86 | | | 1 0 03 |

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|------------|-------|---|-------|-------|--|-------|--|---------|
| 77 13 0054 | 55 50 | 0 | 16 24 | 63 04 | | 03 19 | | 2 8 0 9 |
| 0056 | 01 | | | 20 08 | | 035 | | |

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|---------|--------|--|-------|--|-------|--|--|--------|
| 19 0000 | 00 23 | | 07 40 | | | | | 1 0 03 |
| 19 0010 | 00 35 | | 07 40 | | 10 00 | | | 1 0 03 |
| 19 0020 | 00 06 | | 07 48 | | | | | 1 0 03 |
| 19 0030 | -00 02 | | 07 50 | | 09 99 | | | 1 0 03 |
| 19 0040 | 00 04 | | 07 53 | | | | | 1 0 03 |
| 19 0050 | 00 59 | | 07 89 | | 09 37 | | | 1 0 03 |
| 19 0055 | 01 86 | | 09 05 | | 08 10 | | | 1 0 03 |

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|------------|-------|---|-------|-------|--|-------|--|---------|
| 77 13 0055 | 55 51 | 0 | 16 04 | 63 04 | | 05 15 | | 1 1 3 9 |
| 0056 | | | | 09 20 | | 047 | | |

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|---------|-------|--|-------|--|-------|--|--|--------|
| 15 0000 | 00 33 | | 07 47 | | | | | 1 0 03 |
| 15 0010 | 00 46 | | 07 47 | | 10 06 | | | 1 0 03 |
| 15 0020 | 00 27 | | 07 49 | | | | | 1 0 03 |
| 15 0030 | 00 26 | | 07 50 | | 10 00 | | | 1 0 03 |
| 15 0040 | 00 07 | | 07 56 | | | | | 1 0 03 |
| 15 0050 | 00 82 | | 08 20 | | 09 10 | | | 1 0 03 |
| 15 0055 | 01 74 | | 09 64 | | 07 94 | | | 1 0 03 |

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|------------|-------|---|-------|-------|--|-------|--|---------|
| 77 13 0056 | 55 22 | 0 | 16 13 | 63 04 | | 08 18 | | 1 1 0 9 |
| 0075 | 02 5 | | | 00 00 | | 022 | | |

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|---------|-------|--|-------|--|-------|--|--|--------|
| 18 0000 | 00 46 | | 07 49 | | | | | 1 0 03 |
| 18 0010 | 00 50 | | 07 51 | | 10 16 | | | 1 0 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | -Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |

77 13 0056

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|---------|--------|--|-------|--|--|--|--|--|-------|--|--|--------|--|--|--|
| 18 0020 | 00 46 | | 07 51 | | | | | | | | | 1 0 03 | | | |
| 18 0030 | 00 26 | | 07 54 | | | | | | 10 03 | | | 1 0 03 | | | |
| 18 0040 | -00 07 | | 07 75 | | | | | | | | | 1 0 03 | | | |
| 18 0050 | 00 64 | | 08 48 | | | | | | 09 16 | | | 1 0 03 | | | |
| 18 0060 | 02 71 | | 10 89 | | | | | | | | | 1 0 03 | | | |
| 18 0070 | 05 03 | | 14 05 | | | | | | 02 06 | | | 1 0 03 | | | |
| 18 0074 | 05 32 | | 14 31 | | | | | | 01 64 | | | 1 0 03 | | | |

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|------------|-------|---|-------|--|--|--|-------|--|-------|--|--|---------|--|--|--|
| 77 13 0057 | 55 33 | 0 | 16 18 | | | | 63 04 | | 09 16 | | | 0 0 0 9 | | | |
| 0070 | 04 | | | | | | 18 06 | | 033 | | | | | | |

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|---------|-------|--|-------|--|--|--|--|--|--------|--|--|--------|--|--|--|
| 16 0000 | 00 74 | | 07 54 | | | | | | | | | 1 0 03 | | | |
| 16 0010 | 00 69 | | 07 53 | | | | | | | | | 1 0 03 | | | |
| 16 0020 | 00 78 | | 07 55 | | | | | | 10 00 | | | 1 0 03 | | | |
| 16 0030 | 00 59 | | 07 51 | | | | | | | | | 1 0 03 | | | |
| 16 0040 | 00 22 | | 07 69 | | | | | | 09 89 | | | 1 0 03 | | | |
| 16 0050 | 01 12 | | 08 48 | | | | | | | | | 1 0 03 | | | |
| 16 0060 | 04 70 | | 12 54 | | | | | | 04 67Q | | | 1 0 03 | | | |
| 16 0069 | 05 84 | | 14 33 | | | | | | 01 38 | | | 1 0 03 | | | |

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|------------|-------|---|-------|--|--|--|-------|--|-------|--|--|---------|--|--|--|
| 77 13 0058 | 54 54 | 0 | 13 18 | | | | 63 04 | | 23 10 | | | 4 9 9 9 | | | |
| 0047 | 04 5 | | | | | | 27 04 | | 000 | | | | | | |

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|---------|-------|--|-------|--|--|--|--|--|--------|--|--|--------|--|--|--|
| 10 0000 | 02 07 | | 07 72 | | | | | | | | | 1 0 03 | | | |
| 10 0005 | 02 23 | | 07 69 | | | | | | | | | 1 0 03 | | | |
| 10 0010 | 01 66 | | 07 88 | | | | | | | | | 1 0 03 | | | |
| 10 0020 | 00 55 | | 08 03 | | | | | | 10 32 | | | 1 0 03 | | | |
| 10 0030 | 03 47 | | 09 38 | | | | | | 09 46 | | | 1 0 03 | | | |
| 10 0040 | 01 52 | | 12 84 | | | | | | 09 28 | | | 1 0 03 | | | |
| 10 0045 | 02 63 | | 17 65 | | | | | | 07 79Q | | | 1 0 03 | | | |

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|------------|-------|---|-------|--|--|--|-------|--|-------|--|--|---------|--|--|--|
| 77 13 0059 | 54 39 | 0 | 14 21 | | | | 63 04 | | 23 19 | | | 2 8 9 9 | | | |
| 0032 | 04 | | | | | | 32 06 | | 027 | | | | | | |

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|---------|-------|--|-------|--|--|--|--|--|--|--|--|--------|--|--|--|
| 19 0000 | 01 93 | | 07 74 | | | | | | | | | 1 0 03 | | | |
| 19 0010 | 01 81 | | 07 79 | | | | | | | | | 1 0 03 | | | |
| 19 0020 | 01 76 | | 07 79 | | | | | | | | | 1 0 03 | | | |
| 19 0030 | 01 12 | | 07 87 | | | | | | | | | 1 0 03 | | | |

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|------------|-------|---|-------|--|--|--|-------|--|-------|--|--|---------|--|--|--|
| 77 13 0060 | 54 51 | 0 | 15 13 | | | | 63 04 | | 24 07 | | | 4 8 2 9 | | | |
| 0070 | 04 | | | | | | 34 04 | | 018 | | | | | | |

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|---------|-------|--|-------|--|--|--|--|--|-------|--|--|--------|--|--|--|
| 07 0000 | 01 43 | | 07 48 | | | | | | | | | 1 0 03 | | | |
| 07 0010 | 01 37 | | 07 48 | | | | | | 10 86 | | | 1 0 03 | | | |
| 07 0020 | 01 48 | | 07 67 | | | | | | | | | 1 0 03 | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|-------------|---------------|-------------|--------------|--------------|-----|
| | | | 1:N+W | 2:S+E | 3:S+W | 0 | 0 | 0 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | -Wind | | Mixed layer | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |
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77 13 0060

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|---------|-------|-------|--------|--------|
| 07 0030 | 01 58 | 07 74 | 09 94 | 1 0 03 |
| 07 0040 | 01 45 | 07 94 | | 1 0 03 |
| 07 0050 | 00 45 | 08 14 | 09 32 | 1 0 03 |
| 07 0060 | 01 32 | 09 67 | 08 04 | 1 0 03 |
| 07 0068 | 04 32 | 13 83 | 02 01Q | 1 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0061 | 55 09 | 0 | 14 19 | 63 04 | 25 08 | 0 0 9 9 |
| 0047 | 04 | | | 02 14 | 023 | |

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|---------|-------|-------|-------|--------|
| 08 0000 | 01 79 | 07 77 | | 1 0 03 |
| 08 0010 | 01 61 | 07 74 | | 1 0 03 |
| 08 0020 | 01 58 | 07 76 | | 1 0 03 |
| 08 0030 | 00 61 | 08 02 | 09 95 | 1 0 03 |
| 08 0040 | 00 42 | 11 63 | 08 46 | 1 0 03 |
| 08 0045 | 02 38 | 17 08 | 07 74 | 1 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0062 | 55 01 | 0 | 14 02 | 63 04 | 25 10 | 0 0 0 9 |
| 0048 | 04 | | | 05 08 | 025 | |

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|---------|-------|-------|-------|--------|
| 10 0000 | 02 25 | 07 93 | | 1 0 03 |
| 10 0010 | 02 10 | 07 92 | 09 73 | 1 0 03 |
| 10 0020 | 02 14 | 07 94 | | 1 0 03 |
| 10 0030 | 00 97 | 08 15 | 09 55 | 1 0 03 |
| 10 0040 | 00 87 | 13 62 | 07 88 | 1 0 03 |
| 10 0045 | 02 91 | 17 03 | | 1 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0063 | 55 18 | 0 | 14 24 | 63 04 | 25 17 | 1 1 0 9 |
| 0047 | 03 | | | 36 04 | | |

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|---------|-------|-------|-------|--------|
| 17 0000 | 01 43 | 07 47 | | 1 0 03 |
| 17 0010 | 01 19 | 07 46 | 09 93 | 1 0 03 |
| 17 0020 | 01 13 | 07 48 | | 1 0 03 |
| 17 0030 | 01 13 | 07 51 | 10 01 | 1 0 03 |
| 17 0040 | 01 15 | 07 49 | 09 92 | 1 0 03 |
| 17 0045 | 01 14 | 15 17 | 07 40 | 1 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0064 | 55 27 | 0 | 14 49 | 63 04 | 26 09 | 1 4 0 9 |
| 0072 | 06 | | | 34 02 | 031 | |

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|---------|-------|-------|-------|--------|
| 09 0000 | 01 43 | 07 42 | | 1 0 03 |
| 09 0010 | 01 37 | 07 42 | 09 90 | 1 0 03 |
| 09 0020 | 01 15 | 07 43 | | 1 0 03 |
| 09 0030 | 01 27 | 07 44 | 09 91 | 1 0 03 |
| 09 0040 | 00 97 | 07 47 | | 1 0 03 |
| 09 0050 | 00 53 | 07 79 | 09 62 | 1 0 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|---|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0 | 1 | 2 | 3 | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | -Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
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77 13 0064

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|---------|-------|--|--|-------|--|--|--|--|--|-------|--|--------|--|--|--|--|
| 09 0060 | 00 98 | | | 09 88 | | | | | | | | 1 0 03 | | | | |
| 09 0070 | 00 87 | | | 11 52 | | | | | | 08 59 | | 1 0 03 | | | | |
| 09 0072 | 00 94 | | | 11 54 | | | | | | 08 37 | | 1 0 03 | | | | |

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|------------|-------|---|--|-------|--|--|-------|--|--|-------|--|---------|--|--|--|--|
| 77 13 0065 | 55 31 | 0 | | 14 55 | | | 63 04 | | | 29 08 | | 4 9 0 9 | | | | |
| 0075 | 04 | | | | | | 00 00 | | | 018 | | | | | | |

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|---------|-------|--|--|-------|--|--|--|--|--|-------|--|--------|--|--|--|--|
| 08 0074 | 05 96 | | | 14 67 | | | | | | 00 42 | | 1 0 03 | | | | |
|---------|-------|--|--|-------|--|--|--|--|--|-------|--|--------|--|--|--|--|

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|------------|-------|---|--|-------|--|--|-------|--|--|-------|--|---------|--|--|--|--|
| 77 13 0066 | 55 30 | 0 | | 15 39 | | | 63 04 | | | 29 12 | | 4 9 0 9 | | | | |
| 0080 | 04 | | | | | | 00 00 | | | 014 | | | | | | |

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|---------|-------|--|--|-------|--|--|--|--|--|-------|--|--------|--|--|--|--|
| 12 0000 | 01 83 | | | 07 53 | | | | | | | | 1 0 03 | | | | |
| 12 0010 | 01 82 | | | 07 53 | | | | | | 09 92 | | 1 0 03 | | | | |
| 12 0020 | 01 62 | | | 07 57 | | | | | | | | 1 0 03 | | | | |
| 12 0030 | 01 75 | | | 07 60 | | | | | | 10 10 | | 1 0 03 | | | | |
| 12 0040 | 00 13 | | | 07 82 | | | | | | | | 1 0 03 | | | | |
| 12 0050 | 00 57 | | | 08 24 | | | | | | 09 07 | | 1 0 03 | | | | |
| 12 0060 | 00 76 | | | 10 88 | | | | | | 08 54 | | 1 0 03 | | | | |
| 12 0070 | 06 04 | | | 14 61 | | | | | | 01 31 | | 1 0 03 | | | | |
| 12 0078 | 06 34 | | | 15 19 | | | | | | 00 25 | | 1 0 03 | | | | |

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|------------|-------|---|--|-------|--|--|-------|--|--|-------|--|---------|--|--|--|--|
| 77 13 0067 | 55 29 | 0 | | 16 13 | | | 63 04 | | | 29 15 | | 4 9 0 9 | | | | |
| 0076 | 04 | | | | | | 00 00 | | | 000 | | | | | | |

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|---------|-------|--|--|-------|--|--|--|--|--|-------|--|--------|--|--|--|--|
| 15 0076 | 05 48 | | | 14 27 | | | | | | 01 54 | | 1 0 03 | | | | |
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|------------|-------|---|--|-------|--|--|-------|--|--|-------|--|---------|--|--|--|--|
| 77 13 0068 | 55 33 | 0 | | 16 18 | | | 63 04 | | | 29 17 | | 4 9 0 9 | | | | |
| 0072 | 04 | | | | | | 00 00 | | | 036 | | | | | | |

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|---------|-------|--|--|-------|--|--|--|--|--|-------|--|--------|--|--|--|--|
| 17 0000 | 01 72 | | | 07 57 | | | | | | | | 1 0 03 | | | | |
| 17 0010 | 01 62 | | | 07 57 | | | | | | | | 1 0 03 | | | | |
| 17 0020 | 01 73 | | | 07 57 | | | | | | | | 1 0 03 | | | | |
| 17 0030 | 01 59 | | | 07 57 | | | | | | | | 1 0 03 | | | | |
| 17 0040 | 00 93 | | | 07 62 | | | | | | | | 1 0 03 | | | | |
| 17 0050 | 00 62 | | | 08 07 | | | | | | 09 21 | | 1 0 03 | | | | |
| 17 0060 | 01 47 | | | 09 92 | | | | | | 08 08 | | 1 0 03 | | | | |
| 17 0070 | 05 33 | | | 14 11 | | | | | | 01 60 | | 1 0 03 | | | | |

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|------------|-------|---|--|-------|--|--|-------|--|--|-------|--|---------|--|--|--|--|
| 77 13 0069 | 55 45 | 0 | | 16 00 | | | 63 04 | | | 30 11 | | 6 7 0 9 | | | | |
| 0065 | 05 | | | | | | 32 08 | | | 000 | | | | | | |

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|---------|-------|--|--|-------|--|--|--|--|--|--|--|--------|--|--|--|--|
| 11 0000 | 02 30 | | | 07 44 | | | | | | | | 1 0 03 | | | | |
| 11 0010 | 01 84 | | | 07 52 | | | | | | | | 1 0 03 | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | -Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
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77 13 0081

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|---------|-------|--------|--------|
| 11 0000 | 17 6 | 26 4 | 4 0 03 |
| 11 0005 | 16 9 | 29 0 | 4 0 03 |
| 11 0010 | 15 5 | 31 70 | 4 0 03 |
| 11 0015 | 15 3 | 31 90 | 4 0 03 |
| 11 0020 | 15 35 | 32 335 | 3 0 03 |
| 11 0030 | 15 52 | 32 553 | 3 0 03 |
| 11 0040 | 11 72 | 33 508 | 3 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0082 | 58 20 | 0 | 11 02 | 63 08 | 01 12 | 1 6 2 9 |
| 0086 | | | | 14 08 | 000 | |

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|---------|-------|--------|--------|
| 12 0000 | 17 8 | 26 95 | 4 0 03 |
| 12 0005 | 16 4 | 30 2 | 4 0 03 |
| 12 0010 | 15 35 | 31 65 | 4 0 03 |
| 12 0015 | 15 2 | 31 85 | 4 0 03 |
| 12 0020 | 15 29 | 32 192 | 3 0 03 |
| 12 0030 | 15 50 | 32 461 | 3 0 03 |
| 12 0040 | 13 64 | 33 392 | 3 0 03 |
| 12 0050 | 08 60 | 34 509 | 3 0 03 |
| 12 0060 | 07 18 | 34 690 | 3 0 03 |
| 12 0070 | 06 21 | 34 850 | 3 0 03 |
| 12 0080 | 05 94 | 34 956 | 3 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0083 | 58 19 | 0 | 10 57 | 63 08 | 01 13 | 2 8 2 9 |
| 0105 | | | | 08 01 | 000 | |

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|---------|-------|--------|--------|
| 13 0000 | 17 25 | 28 85 | 4 0 03 |
| 13 0005 | 16 4 | 30 80 | 4 0 03 |
| 13 0010 | 15 25 | 31 65 | 4 0 03 |
| 13 0015 | 15 25 | 32 15 | 4 0 03 |
| 13 0020 | 15 08 | 32 178 | 3 0 03 |
| 13 0030 | 14 95 | 32 582 | 3 0 03 |
| 13 0040 | 11 67 | 34 336 | 3 0 03 |
| 13 0050 | 08 57 | 34 898 | 3 0 03 |
| 13 0060 | 06 97 | 34 839 | 3 0 03 |
| 13 0070 | 06 79 | 35 029 | 3 0 03 |
| 13 0080 | 05 81 | 34 938 | 3 0 03 |
| 13 0090 | 05 73 | 34 967 | 3 0 03 |
| 13 0100 | 05 83 | 35 013 | 3 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0084 | 58 18 | 0 | 10 49 | 63 08 | 01 15 | 6 8 2 9 |
| 0160 | | | | 18 12 | 004 | |

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|---------|-------|-------|--------|
| 16 0000 | 16 90 | 30 00 | 4 0 03 |
| 16 0005 | 16 80 | 30 05 | 4 0 03 |
| 16 0010 | 15 45 | 31 45 | 4 0 03 |

| Country | Ship | Station number | Latitude ° | 0-N+E 1-N+W 2-S+E 3-S+W | Longitude ° | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|---------------------|------------------------------|----------------------------------|------------------------------|------------|---------------------------|-----------------|---------------------|-------------|--------------|--------------|-----|
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | Temperature °C Wet ↓ bulb | | -Wind Dir. Speed kn. | | Mixed layer depth m | | | | |
| Obs. time | Obs. depth m | Temperature °C ↓ | | Salinity ‰ ↓ | σ_t ↓ | ml/l ↓ | Oxygen ↓ | Saturat. ‰ ↓ | Salin. method | Extra info. | Card code | | |

77 13 0086

| | | | | | | | | | |
|---------|-------|--|--------|--|--|--|--|--|--------|
| 20 0080 | 06 81 | | 35 165 | | | | | | 3 0 03 |
| 20 0090 | 06 69 | | 35 156 | | | | | | 3 0 03 |
| 20 0100 | 06 71 | | 35 180 | | | | | | 3 0 03 |
| 20 0125 | 05 94 | | 35 142 | | | | | | 3 0 03 |
| 20 0150 | 05 90 | | 35 187 | | | | | | 3 0 03 |
| 20 0175 | 06 11 | | 35 234 | | | | | | 3 0 03 |
| 20 0200 | 06 01 | | 35 225 | | | | | | 3 0 03 |
| 20 0250 | 05 99 | | 35 224 | | | | | | 3 0 03 |

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|------------|-------|---|-------|--|-------|--|-------|--|---------|
| 77 13 0087 | 58 13 | 0 | 10 24 | | 63 08 | | 01 21 | | 1 3 1 9 |
| 0305 | | | | | 14 06 | | 010 | | |

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|---------|-------|--|--------|--|--|--|--|--|--------|
| 22 0000 | 16 30 | | 29 95 | | | | | | 4 0 03 |
| 22 0005 | 16 30 | | 29 95 | | | | | | 4 0 03 |
| 22 0010 | 16 30 | | 29 95 | | | | | | 4 0 03 |
| 22 0015 | 12 78 | | 32 16 | | | | | | 4 0 03 |
| 22 0020 | 08 37 | | 34 272 | | | | | | 3 0 03 |
| 22 0030 | 06 66 | | 34 837 | | | | | | 3 0 03 |
| 22 0040 | 07 02 | | 35 013 | | | | | | 3 0 03 |
| 22 0050 | 06 77 | | 35 047 | | | | | | 3 0 03 |
| 22 0060 | 06 75 | | 35 084 | | | | | | 3 0 03 |
| 22 0070 | 06 61 | | 35 116 | | | | | | 3 0 03 |
| 22 0080 | 06 09 | | 35 077 | | | | | | 3 0 03 |
| 22 0090 | 06 05 | | 35 084 | | | | | | 3 0 03 |
| 21 0100 | 05 98 | | 35 093 | | | | | | 3 0 03 |
| 21 0125 | 05 35 | | 35 073 | | | | | | 3 0 03 |
| 21 0150 | 06 14 | | 35 218 | | | | | | 3 0 03 |
| 21 0175 | 05 55 | | 35 138 | | | | | | 3 0 03 |
| 21 0200 | 05 90 | | 35 199 | | | | | | 3 0 03 |
| 21 0250 | 05 55 | | 35 153 | | | | | | 3 0 03 |

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|------------|-------|---|-------|--|-------|--|-------|--|---------|
| 77 13 0088 | 58 09 | 0 | 10 06 | | 63 08 | | 02 00 | | 2 8 2 9 |
| 0410 | 16 | | | | 14 10 | | 011 | | |

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|---------|-------|--|--------|--|--|--|--|--|--------|
| 01 0000 | 16 2 | | 30 05 | | | | | | 4 0 03 |
| 00 0005 | 16 2 | | 30 05 | | | | | | 4 0 03 |
| 00 0010 | 15 75 | | 30 55 | | | | | | 4 0 03 |
| 00 0015 | 10 35 | | 34 34 | | | | | | 4 0 03 |
| 01 0020 | 08 69 | | 34 733 | | | | | | 3 0 03 |
| 01 0030 | 06 99 | | 34 950 | | | | | | 3 0 03 |
| 01 0040 | 05 79 | | 34 915 | | | | | | 3 0 03 |
| 01 0050 | 05 90 | | 34 962 | | | | | | 3 0 03 |
| 01 0060 | 05 75 | | 34 986 | | | | | | 3 0 03 |
| 01 0070 | 05 98 | | 35 035 | | | | | | 3 0 03 |
| 01 0080 | 06 19 | | 35 098 | | | | | | 3 0 03 |
| 01 0090 | 06 19 | | 35 121 | | | | | | 3 0 03 |
| 00 0100 | 05 75 | | 35 074 | | | | | | 3 0 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|-----------|--------|------------|---------------|---------------------|-----------|--------------|---------|--------------|--------------|-----|
| | | | 0-N+E | 1-N+W | 2-S+E | 3-S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | | |
| | | | Dry ↓ | bulb | Wet ↓ | bulb | Dir. | Speed kn. | | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | | | | |
| | | ↓ | | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | |

77 13 0088

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|----|------|----|----|----|-----|--|--|--|--|--|--|---|---|----|
| 00 | 0125 | 05 | 25 | 35 | 038 | | | | | | | 3 | 0 | 03 |
| 00 | 0150 | 05 | 05 | 35 | 035 | | | | | | | 3 | 0 | 03 |
| 00 | 0200 | 05 | 32 | 35 | 112 | | | | | | | 3 | 0 | 03 |
| 00 | 0300 | 04 | 99 | 35 | 103 | | | | | | | 3 | 0 | 03 |
| 00 | 0400 | 04 | 61 | 35 | 056 | | | | | | | 3 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 13 | 0089 | 58 | 03 | 0 | 10 | 19 | 63 | 08 | 02 | 02 | 2 | 8 | 1 | 9 |
| | | 0160 | 16 | | | | | 23 | 06 | | 010 | | | | |

| | | | | | | | | | | | | | | |
|----|------|----|----|----|-----|--|--|--|--|--|--|---|---|----|
| 03 | 0000 | 16 | 2 | 30 | 60 | | | | | | | 4 | 0 | 03 |
| 02 | 0005 | 16 | 2 | 30 | 60 | | | | | | | 4 | 0 | 03 |
| 02 | 0010 | 16 | 2 | 30 | 65 | | | | | | | 4 | 0 | 03 |
| 02 | 0015 | 15 | 05 | 31 | 15 | | | | | | | 4 | 0 | 03 |
| 03 | 0020 | 09 | 90 | 34 | 346 | | | | | | | 3 | 0 | 03 |
| 03 | 0030 | 08 | 43 | 35 | 055 | | | | | | | 3 | 0 | 03 |
| 03 | 0040 | 06 | 52 | 34 | 974 | | | | | | | 3 | 0 | 03 |
| 03 | 0050 | 06 | 74 | 35 | 073 | | | | | | | 3 | 0 | 03 |
| 03 | 0060 | 06 | 79 | 35 | 114 | | | | | | | 3 | 0 | 03 |
| 03 | 0070 | 06 | 94 | 35 | 193 | | | | | | | 3 | 0 | 03 |
| 02 | 0080 | 06 | 79 | 35 | 200 | | | | | | | 3 | 0 | 03 |
| 02 | 0090 | 06 | 50 | 35 | 178 | | | | | | | 3 | 0 | 03 |
| 02 | 0100 | 06 | 33 | 35 | 162 | | | | | | | 3 | 0 | 03 |
| 02 | 0125 | 06 | 30 | 35 | 162 | | | | | | | 3 | 0 | 03 |
| 02 | 0150 | 06 | 36 | 35 | 165 | | | | | | | 3 | 0 | 03 |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 13 | 0090 | 57 | 56 | 0 | 10 | 30 | 63 | 08 | 02 | 05 | 6 | 8 | 1 | 9 |
| | | 0105 | | | | | | 18 | 04 | | 007 | | | | |

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|----|------|----|----|----|-----|--|--|--|--|--|--|---|---|----|
| 05 | 0000 | 16 | 2 | 30 | 45 | | | | | | | 4 | 0 | 03 |
| 05 | 0005 | 16 | 2 | 30 | 5 | | | | | | | 4 | 0 | 03 |
| 05 | 0010 | 15 | 2 | 31 | 8 | | | | | | | 4 | 0 | 03 |
| 05 | 0015 | 13 | 7 | 32 | 9 | | | | | | | 4 | 0 | 03 |
| 05 | 0020 | 10 | 83 | 34 | 685 | | | | | | | 3 | 0 | 03 |
| 05 | 0030 | 07 | 73 | 34 | 826 | | | | | | | 3 | 0 | 03 |
| 05 | 0040 | 06 | 34 | 34 | 828 | | | | | | | 3 | 0 | 03 |
| 05 | 0050 | 06 | 39 | 34 | 975 | | | | | | | 3 | 0 | 03 |
| 05 | 0060 | 06 | 07 | 34 | 969 | | | | | | | 3 | 0 | 03 |
| 05 | 0070 | 06 | 11 | 34 | 989 | | | | | | | 3 | 0 | 03 |
| 05 | 0080 | 05 | 93 | 34 | 982 | | | | | | | 3 | 0 | 03 |
| 05 | 0090 | 06 | 28 | 35 | 061 | | | | | | | 3 | 0 | 03 |
| 05 | 0100 | 06 | 01 | 35 | 035 | | | | | | | 3 | 0 | 03 |

| | | | | | | | | | | | | | | | |
|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|
| 77 | 13 | 0091 | 57 | 52 | 0 | 10 | 36 | 63 | 08 | 02 | 06 | 2 | 8 | 1 | 9 |
| | | 0107 | | | | | | 16 | 04 | | 007 | | | | |

| | | | | | | | | | | | | | | |
|----|------|----|----|----|---|--|--|--|--|--|--|---|---|----|
| 06 | 0000 | 16 | 15 | 30 | 2 | | | | | | | 4 | 0 | 03 |
|----|------|----|----|----|---|--|--|--|--|--|--|---|---|----|

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|--------------|--------------|----------------------|----------------|-------|------------|----------------|---|------------|------------|-----------|-------------|------------------|----------------|-----------------|-----------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |
| | | ↓ | | | ↓ | | | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 10 | 0020 | 15 | 37 | | 32 | 204 | | | | | | 3 | 0 | 03 | | |
| 10 | 0030 | 14 | 89 | | 32 | 565 | | | | | | 3 | 0 | 03 | | |
| 10 | 0040 | 08 | 64 | | 33 | 464 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 13 | 0095 | 57 | 52 | 0 | 11 | 18 | 63 | 08 | 02 | 11 | 2 | 8 | 3 | 9 | |
| | | 0092 | | | | | | 14 | 12 | | 005 | | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 11 | 0000 | 17 | 32 | | 25 | 90 | | | | | | 4 | 0 | 03 | | |
| 11 | 0005 | 17 | 32 | | 25 | 90 | | | | | | 4 | 0 | 03 | | |
| 11 | 0010 | 16 | 78 | | 28 | 00 | | | | | | 4 | 0 | 03 | | |
| 11 | 0015 | 15 | 62 | | 31 | 50 | | | | | | 4 | 0 | 03 | | |
| 11 | 0020 | 14 | 90 | | 31 | 875 | | | | | | 3 | 0 | 03 | | |
| 11 | 0030 | 14 | 04 | | 32 | 359 | | | | | | 3 | 0 | 03 | | |
| 11 | 0040 | 10 | 70 | | 33 | 454 | | | | | | 3 | 0 | 03 | | |
| 11 | 0050 | 06 | 84 | | 34 | 687 | | | | | | 3 | 0 | 03 | | |
| 11 | 0060 | 06 | 36 | | 34 | 781 | | | | | | 3 | 0 | 03 | | |
| 11 | 0070 | 06 | 03 | | 34 | 886 | | | | | | 3 | 0 | 03 | | |
| 11 | 0080 | 05 | 81 | | 34 | 969 | | | | | | 3 | 0 | 03 | | |
| 11 | 0090 | 05 | 87 | | 34 | 996 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 13 | 0096 | 57 | 53 | 0 | 11 | 24 | 63 | 08 | 02 | 12 | 2 | 8 | 2 | 9 | |
| | | 0054 | 18 | | | | | 18 | 10 | | 009 | | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 12 | 0000 | 17 | 3 | | 24 | 55 | | | | | | 4 | 0 | 03 | | |
| 12 | 0005 | 17 | 3 | | 24 | 75 | | | | | | 4 | 0 | 03 | | |
| 12 | 0010 | 16 | 8 | | 28 | 30 | | | | | | 4 | 0 | 03 | | |
| 12 | 0015 | 15 | 4 | | 30 | 70 | | | | | | 4 | 0 | 03 | | |
| 12 | 0020 | 15 | 15 | | 31 | 701 | | | | | | 3 | 0 | 03 | | |
| 12 | 0030 | 14 | 63 | | 32 | 309 | | | | | | 3 | 0 | 03 | | |
| 12 | 0040 | 11 | 43 | | 32 | 898 | | | | | | 3 | 0 | 03 | | |
| 12 | 0050 | 07 | 24 | | 34 | 017 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 13 | 0097 | 55 | 13 | 0 | 13 | 41 | 63 | 09 | 09 | 11 | 1 | 2 | 9 | 9 | |
| | | 0043 | 16 | | | | | 14 | 12 | | 015 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|----|----|---|---|----|--|--|
| 11 | 0000 | 15 | 57 | | 07 | 81 | | | | | | 1 | 0 | 03 | | |
| 11 | 0010 | 15 | 47 | | 07 | 81 | | | | | | 1 | 0 | 03 | | |
| 11 | 0020 | 09 | 90 | | 07 | 60 | | | | | | 1 | 0 | 03 | | |
| 11 | 0030 | 03 | 27 | | 07 | 73 | | | | 08 | 28 | 1 | 0 | 03 | | |
| 11 | 0040 | 08 | 54 | | 09 | 57 | | | | 06 | 35 | 1 | 0 | 03 | | |
| 11 | 0042 | 09 | 66 | | 19 | 18 | | | | 01 | 63 | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 13 | 0104 | 54 | 58 | 0 | 13 | 15 | 63 | 09 | 10 | 10 | 1 | 2 | 0 | 9 | |
| | | 0046 | 15 | | | | | 29 | 07 | | 014 | | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 10 | 0000 | 15 | 77 | | 07 | 87 | | | | | | 1 | 0 | 03 | | |
|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|

| Country | Ship | Station number | Latitude | | Longitude | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|---------------------|----------------------------------|-----------------|------------------------------|-----------|---------------------------|-----------------|---------------------|-------------|--------------|--------------|-----|
| | | | 0-N+E 1-N+W 2-S+E 3-S+W | | | | | | | | | | |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | Temperature °C Wet ↓ bulb | | -Wind Dir. Speed kn. | | Mixed layer depth m | | | | |
| Obs. time | Obs. depth m | Temperature °C ↓ | | Salinity ‰ ↓ | σ_t ↓ | ml/l ↓ | Oxygen ↓ | Saturat. ‰ ↓ | Salin. method | Extra info. | Card code | | |

77 13 0104

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|---------|-------|-------|--|--|--|-------|--|--|--------|
| 10 0010 | 15 61 | 07 87 | | | | | | | 1 0 03 |
| 10 0020 | 09 17 | 08 02 | | | | | | | 1 0 03 |
| 10 0030 | 04 92 | 08 03 | | | | 06 26 | | | 1 0 03 |
| 10 0040 | 11 76 | 15 09 | | | | | | | 1 0 03 |
| 10 0045 | 09 22 | 20 76 | | | | 01 19 | | | 1 0 03 |

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|------------|-------|---|-------|-------|----|-----|--|--|---------|
| 77 13 0114 | 55 00 | 0 | 14 05 | 63 09 | 10 | 21 | | | 1 2 9 9 |
| 0047 | 14 | | | 29 06 | | 013 | | | |

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|---------|-------|-------|--|--|-------|--|--|--|--------|
| 21 0000 | 16 04 | 07 83 | | | | | | | 1 0 03 |
| 21 0010 | 15 96 | 07 83 | | | | | | | 1 0 03 |
| 21 0020 | 13 05 | 08 20 | | | | | | | 1 0 03 |
| 21 0030 | 08 90 | 09 84 | | | 06 20 | | | | 1 0 03 |
| 21 0040 | 11 75 | 14 44 | | | 05 18 | | | | 1 0 03 |
| 21 0045 | 10 78 | 20 43 | | | 03 09 | | | | 1 0 03 |

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|------------|-------|---|-------|-------|----|-----|--|--|---------|
| 77 13 0127 | 55 11 | 0 | 14 19 | 63 09 | 12 | 13 | | | 1 4 9 9 |
| 0046 | 16 | | | 99 03 | | 000 | | | |

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|---------|-------|-------|--|--|-------|--|--|--|--------|
| 13 0000 | 16 09 | 07 66 | | | | | | | 1 0 03 |
| 13 0010 | 15 56 | 07 68 | | | | | | | 1 0 03 |
| 13 0020 | 03 90 | 07 53 | | | | | | | 1 0 03 |
| 13 0030 | 02 91 | 07 79 | | | 08 25 | | | | 1 0 03 |
| 13 0040 | 11 80 | 13 68 | | | 05 05 | | | | 1 0 03 |
| 13 0044 | 10 71 | 20 47 | | | 03 22 | | | | 1 0 03 |

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|------------|-------|---|-------|-------|----|-----|--|--|---------|
| 77 13 0132 | 54 51 | 0 | 15 12 | 63 09 | 12 | 19 | | | 2 8 0 9 |
| 0068 | 15 | | | 00 00 | | 008 | | | |

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|---------|-------|-------|--|--|-------|--|--|--|--------|
| 19 0000 | 17 15 | 07 52 | | | | | | | 1 0 03 |
| 19 0010 | 16 81 | 07 53 | | | | | | | 1 0 03 |
| 19 0020 | 12 33 | 07 53 | | | | | | | 1 0 03 |
| 19 0030 | 02 83 | 07 68 | | | 08 46 | | | | 1 0 03 |
| 19 0040 | 02 41 | 08 14 | | | | | | | 1 0 03 |
| 19 0050 | 04 78 | 10 89 | | | 06 37 | | | | 1 0 03 |
| 19 0060 | 06 96 | 13 86 | | | 04 89 | | | | 1 0 03 |
| 19 0064 | 08 18 | 15 17 | | | 03 72 | | | | 1 0 03 |

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|------------|-------|---|-------|-------|----|-----|--|--|---------|
| 77 13 0138 | 55 21 | 0 | 15 13 | 63 09 | 13 | 14 | | | 2 7 9 9 |
| 0092 | 16 | | | 32 06 | | 000 | | | |

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| 14 0000 | 15 67 | 07 45 | | | | | | | 1 0 03 |
| 14 0010 | 14 94 | 07 43 | | | | | | | 1 0 03 |
| 14 0020 | 04 87 | 07 39 | | | | | | | 1 0 03 |
| 14 0030 | 03 46 | 07 57 | | | 08 14 | | | | 1 0 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
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|----|------|----|----|--|----|----|--|--|--|----|----|---|---|----|--|--|
| 14 | 0040 | 02 | 72 | | 07 | 87 | | | | | | 1 | 0 | 03 | | |
| 14 | 0050 | 04 | 19 | | 09 | 68 | | | | 07 | 04 | 1 | 0 | 03 | | |
| 14 | 0060 | 08 | 01 | | 14 | 28 | | | | | | 1 | 0 | 03 | | |
| 14 | 0070 | 07 | 83 | | 15 | 66 | | | | 03 | 21 | 1 | 0 | 03 | | |
| 14 | 0080 | 09 | 07 | | 17 | 33 | | | | 03 | 47 | 1 | 0 | 03 | | |
| 14 | 0090 | 09 | 03 | | 17 | 98 | | | | 02 | 20 | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|----|-----|---|---|---|--|
| 77 | 13 | 0145 | 55 | 28 | 0 | 14 | 40 | 63 | 09 | 16 | 13 | 0 | 0 | 1 | 9 | |
| | | 0070 | 15 | | | | | 25 | 20 | | | 018 | | | | |

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|----|------|----|----|--|----|----|--|--|--|----|----|---|---|----|--|--|
| 13 | 0000 | 14 | 46 | | 07 | 50 | | | | | | 1 | 0 | 03 | | |
| 13 | 0010 | 14 | 39 | | 07 | 49 | | | | | | 1 | 0 | 03 | | |
| 13 | 0020 | 13 | 09 | | 07 | 47 | | | | | | 1 | 0 | 03 | | |
| 13 | 0030 | 02 | 86 | | 07 | 70 | | | | 08 | 36 | 1 | 0 | 03 | | |
| 13 | 0040 | 08 | 27 | | 10 | 25 | | | | | | 1 | 0 | 03 | | |
| 13 | 0050 | 09 | 80 | | 12 | 09 | | | | 05 | 22 | 1 | 0 | 03 | | |
| 13 | 0060 | 10 | 17 | | 15 | 09 | | | | 04 | 43 | 1 | 0 | 03 | | |
| 13 | 0069 | 07 | 27 | | 15 | 01 | | | | 03 | 10 | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|----|-----|---|---|---|--|
| 77 | 13 | 0150 | 55 | 27 | 0 | 14 | 39 | 63 | 09 | 17 | 13 | 0 | 0 | 0 | 9 | |
| | | 0068 | 17 | | | | | 00 | 00 | | | 019 | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 13 | 0000 | 15 | 84 | | 07 | 58 | | | | | | 1 | 0 | 03 | | |
| 13 | 0010 | 15 | 30 | | 07 | 65 | | | | | | 1 | 0 | 03 | | |
| 13 | 0020 | 10 | 74 | | 07 | 90 | | | | | | 1 | 0 | 03 | | |
| 13 | 0030 | 03 | 59 | | 07 | 62 | | | | | | 1 | 0 | 03 | | |
| 13 | 0040 | 07 | 30 | | 09 | 50 | | | | | | 1 | 0 | 03 | | |
| 13 | 0050 | 10 | 46 | | 14 | 51 | | | | | | 1 | 0 | 03 | | |
| 13 | 0060 | 10 | 50 | | 16 | 32 | | | | | | 1 | 0 | 03 | | |
| 13 | 0066 | 10 | 52 | | 17 | 46 | | | | | | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|----|-----|---|---|---|--|
| 77 | 13 | 0152 | 55 | 18 | 0 | 14 | 24 | 63 | 09 | 17 | 15 | 0 | 0 | 0 | 9 | |
| | | 0048 | 16 | | | | | 00 | 00 | | | 000 | | | | |

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|----|------|----|----|--|----|----|--|--|--|--|--|---|---|----|--|--|
| 15 | 0000 | 15 | 33 | | 07 | 52 | | | | | | 1 | 0 | 03 | | |
| 15 | 0010 | 13 | 10 | | 07 | 56 | | | | | | 1 | 0 | 03 | | |
| 15 | 0020 | 04 | 03 | | 07 | 52 | | | | | | 1 | 0 | 03 | | |
| 15 | 0030 | 04 | 27 | | 07 | 82 | | | | | | 1 | 0 | 03 | | |
| 15 | 0040 | 07 | 72 | | 11 | 48 | | | | | | 1 | 0 | 03 | | |
| 15 | 0046 | 09 | 29 | | 14 | 07 | | | | | | 1 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|----|-----|---|---|---|--|
| 77 | 13 | 0169 | 57 | 52 | 0 | 11 | 18 | 63 | 10 | 07 | 15 | 1 | 3 | 0 | 9 | |
| | | 0097 | 13 | 5 | | | | 29 | 02 | | | 000 | | | | |

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|----|------|----|----|--|----|-----|--|--|--|----|----|---|---|----|--|--|
| 15 | 0000 | 12 | 82 | | 32 | 869 | | | | 06 | 16 | 3 | 3 | 03 | | |
|----|------|----|----|--|----|-----|--|--|--|----|----|---|---|----|--|--|

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|-------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
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|----|------|----|----|--|----|-----|--|--|--|----|----|---|---|----|--|--|
| 15 | 0005 | 12 | 65 | | 32 | 855 | | | | | | 3 | 3 | 03 | | |
| 15 | 0010 | 12 | 76 | | 32 | 954 | | | | 06 | 10 | 3 | 3 | 03 | | |
| 15 | 0015 | 12 | 86 | | 33 | 118 | | | | | | 3 | 3 | 03 | | |
| 15 | 0020 | 13 | 02 | | 33 | 154 | | | | | | 3 | 3 | 03 | | |
| 15 | 0030 | 13 | 06 | | 33 | 348 | | | | 05 | 91 | 3 | 3 | 03 | | |
| 15 | 0040 | 13 | 39 | | 33 | 596 | | | | | | 3 | 3 | 03 | | |
| 15 | 0050 | 13 | 40 | | 33 | 738 | | | | 05 | 60 | 3 | 3 | 03 | | |
| 15 | 0060 | 13 | 36 | | 33 | 818 | | | | | | 3 | 3 | 03 | | |
| 15 | 0070 | 13 | 39 | | 33 | 921 | | | | 05 | 64 | 3 | 3 | 03 | | |
| 15 | 0080 | 13 | 28 | | 34 | 047 | | | | | | 3 | 3 | 03 | | |
| 15 | 0090 | 11 | 33 | | 34 | 224 | | | | 04 | 86 | 3 | 3 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 13 | 0170 | 57 | 53 | 0 | 11 | 25 | 63 | 10 | 07 | 16 | 1 | 1 | 1 | 9 | |
| | | 0060 | 13 | | | | | 32 | 02 | | 000 | | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 16 | 0000 | 12 | 20 | | 24 | 434 | | | | | | 3 | 3 | 03 | | |
| 16 | 0005 | 12 | 38 | | 27 | 795 | | | | | | 3 | 3 | 03 | | |
| 16 | 0010 | 13 | 23 | | 32 | 264 | | | | | | 3 | 3 | 03 | | |
| 16 | 0015 | 12 | 94 | | 32 | 654 | | | | | | 3 | 3 | 03 | | |
| 16 | 0020 | 12 | 98 | | 32 | 770 | | | | | | 3 | 3 | 03 | | |
| 16 | 0030 | 12 | 86 | | 32 | 874 | | | | | | 3 | 3 | 03 | | |
| 16 | 0040 | 12 | 86 | | 33 | 102 | | | | | | 3 | 3 | 03 | | |
| 16 | 0050 | 13 | 24 | | 33 | 845 | | | | | | 3 | 3 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 13 | 0189 | 58 | 20 | 0 | 11 | 10 | 63 | 10 | 11 | 07 | 2 | 8 | 3 | 9 | |
| | | 0053 | 10 | | | | | 25 | 28 | | 007 | | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 07 | 0000 | 11 | 86 | | 26 | 840 | | | | | | 3 | 0 | 03 | | |
| 07 | 0005 | 11 | 98 | | 26 | 875 | | | | | | 3 | 0 | 03 | | |
| 07 | 0010 | 12 | 52 | | 29 | 970 | | | | | | 3 | 0 | 03 | | |
| 07 | 0015 | 13 | 00 | | 32 | 322 | | | | | | 3 | 0 | 03 | | |
| 07 | 0020 | 12 | 81 | | 32 | 820 | | | | | | 3 | 0 | 03 | | |
| 07 | 0030 | 12 | 86 | | 32 | 961 | | | | | | 3 | 0 | 03 | | |
| 07 | 0040 | 12 | 98 | | 33 | 147 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 13 | 0190 | 58 | 20 | 0 | 11 | 06 | 63 | 10 | 11 | 08 | 2 | 8 | 4 | 9 | |
| | | 0052 | 10 | | | | | 25 | 24 | | 006 | | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 08 | 0000 | 11 | 89 | | 26 | 837 | | | | | | 3 | 0 | 03 | | |
| 08 | 0005 | 11 | 91 | | 26 | 886 | | | | | | 3 | 0 | 03 | | |
| 08 | 0010 | 12 | 35 | | 29 | 433 | | | | | | 3 | 0 | 03 | | |
| 08 | 0015 | 12 | 84 | | 32 | 746 | | | | | | 3 | 0 | 03 | | |
| 08 | 0020 | 12 | 83 | | 32 | 872 | | | | | | 3 | 0 | 03 | | |
| 08 | 0030 | 12 | 91 | | 33 | 136 | | | | | | 3 | 0 | 03 | | |
| 08 | 0040 | 12 | 99 | | 33 | 266 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 13 | 0191 | 58 | 20 | 0 | 11 | 02 | 63 | 10 | 11 | 09 | 6 | 8 | 4 | 9 | |
| | | 0091 | 10 | | | | | 27 | 28 | | 010 | | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|---------|------|-------------------|------------------------------|---|---|------------------------------|---|---|---------------------------|-------|------------------------|--------------|------------|---------------|--------------|-----------|
| | | | 0 | ' | " | 0 | ' | " | | | | | | | | |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | | Temperature °C Wet ↓ bulb | | | -Wind Dir. Speed kn. | | Mixed layer depth m | | | | | |
| | | Obs. time | Temperature °C | | | Salinity ‰ | | | σ_t | | ml/l Oxygen | | Saturat. ‰ | Salin. method | Extra info | Card code |

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|---------|-------|--------|--|--|--|--|--|--|--|--|--|--------|
| 09 0000 | 11 89 | 26 925 | | | | | | | | | | 3 0 03 |
| 09 0005 | 11 85 | 26 919 | | | | | | | | | | 3 0 03 |
| 09 0010 | 11 91 | 26 960 | | | | | | | | | | 3 0 03 |
| 09 0015 | 12 97 | 33 250 | | | | | | | | | | 3 0 03 |
| 09 0020 | 13 02 | 33 335 | | | | | | | | | | 3 0 03 |
| 09 0030 | 12 95 | 33 377 | | | | | | | | | | 3 0 03 |
| 09 0040 | 13 30 | 33 634 | | | | | | | | | | 3 0 03 |
| 09 0050 | 13 34 | 33 723 | | | | | | | | | | 3 0 03 |
| 09 0060 | 13 32 | 33 810 | | | | | | | | | | 3 0 03 |
| 09 0070 | 13 12 | 33 920 | | | | | | | | | | 3 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0192 | 58 19 | 0 | 10 57 | 63 10 | 11 10 | 2 8 5 9 |
| 0108 | 10 | | | 25 32 | 007 | |

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|---------|-------|--------|--|--|--|--|--|--|--|--|--|--------|
| 10 0000 | 11 82 | 26 972 | | | | | | | | | | 3 0 03 |
| 10 0005 | 11 78 | 26 940 | | | | | | | | | | 3 0 03 |
| 10 0010 | 12 41 | 28 585 | | | | | | | | | | 3 0 03 |
| 10 0015 | 12 80 | 33 417 | | | | | | | | | | 3 0 03 |
| 10 0020 | 12 89 | 33 686 | | | | | | | | | | 3 0 03 |
| 10 0030 | 12 89 | 33 783 | | | | | | | | | | 3 0 03 |
| 10 0040 | 12 94 | 33 826 | | | | | | | | | | 3 0 03 |
| 10 0050 | 12 92 | 33 834 | | | | | | | | | | 3 0 03 |
| 10 0060 | 12 96 | 33 859 | | | | | | | | | | 3 0 03 |
| 10 0080 | 13 07 | 33 981 | | | | | | | | | | 3 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0195 | 58 53 | 0 | 11 05 | 63 10 | 29 09 | 2 8 0 9 |
| 0200 | 07 | | | 34 04 | 000 | |

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|---------|-------|-------|--|--|--|--|--|--|--|--|--|--------|
| 09 0000 | 10 2 | 25 7 | | | | | | | | | | 4 0 03 |
| 09 0005 | 10 6 | 26 8 | | | | | | | | | | 4 0 03 |
| 09 0010 | 11 1 | 28 0 | | | | | | | | | | 4 0 03 |
| 09 0015 | 11 6 | 30 4 | | | | | | | | | | 4 0 03 |
| 09 0020 | 11 8 | 31 0 | | | | | | | | | | 4 0 03 |
| 09 0030 | 12 4 | 32 6 | | | | | | | | | | 4 0 03 |
| 09 0040 | 12 3 | 33 23 | | | | | | | | | | 4 0 03 |
| 09 0050 | 12 1 | 33 53 | | | | | | | | | | 4 0 03 |
| 09 0060 | 11 8 | 33 76 | | | | | | | | | | 4 0 03 |
| 09 0070 | 11 72 | 33 90 | | | | | | | | | | 1 0 03 |
| 09 0080 | 11 47 | 34 05 | | | | | | | | | | 1 0 03 |
| 09 0090 | 11 21 | 34 29 | | | | | | | | | | 1 0 03 |
| 09 0100 | 10 10 | 34 50 | | | | | | | | | | 1 0 03 |
| 09 0125 | 06 94 | 34 70 | | | | | | | | | | 1 0 03 |
| 09 0150 | 05 77 | 34 83 | | | | | | | | | | 1 0 03 |
| 09 0175 | 05 64 | 34 90 | | | | | | | | | | 1 0 03 |
| 09 0200 | 05 58 | | | | | | | | | | | 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0198 | 58 54 | 0 | 11 05 | 63 12 | 05 08 | 1 3 1 9 |
| 0215 | 01 5 | | | 02 04 | 006 | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|-------------|---|------------|---------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 0-N+E | 1-N+W | 2-S+E | 3-S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | -Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | σ_t | ml/l Oxygen | | Saturat. ‰ | Salin. method | Extra info. | Card code | | | | |
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| 08 0000 | 06 0 | 27 1 | 4 0 03 |
| 08 0005 | 06 8 | 27 8 | 4 0 03 |
| 08 0010 | 07 0 | 28 7 | 4 0 03 |
| 08 0015 | 07 2 | 29 6 | 4 0 03 |
| 08 0020 | 07 7 | 31 0 | 4 0 03 |
| 08 0030 | 08 4 | 32 1 | 4 0 03 |
| 08 0040 | 09 1 | 32 84 | 4 0 03 |
| 08 0050 | 09 5 | 33 36 | 4 0 03 |
| 08 0060 | 09 5 | 33 79 | 4 0 03 |
| 08 0070 | 09 03 | 34 31 | 1 0 03 |
| 08 0080 | 08 81 | 34 36 | 1 0 03 |
| 08 0090 | 08 49 | 34 59 | 1 0 03 |
| 08 0100 | 08 24 | 34 62 | 1 0 03 |
| 08 0125 | 07 67 | 34 79 | 1 0 03 |
| 08 0150 | 06 49 | 34 78 | 1 0 03 |
| 08 0175 | 06 01 | 34 90 | 1 0 03 |
| 08 0200 | 05 79 | 34 90 | 1 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0200 | 57 52 | 0 | 11 18 | 63 12 | 11 09 | 1 1 1 9 |
| 0098 | 03 | | | 07 06 | 000 | |

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|---------|-------|--------|--------|--------|
| 09 0000 | 04 86 | 22 855 | 07 55 | 3 3 03 |
| 09 0005 | 04 91 | 23 591 | | 3 3 03 |
| 09 0010 | 06 31 | 24 104 | 07 19 | 3 3 03 |
| 09 0015 | 08 33 | 29 718 | | 3 3 03 |
| 09 0020 | 08 48 | 31 458 | | 3 3 03 |
| 09 0030 | 09 25 | 33 398 | 06 04 | 3 3 03 |
| 09 0040 | 09 56 | 34 382 | | 3 3 03 |
| 09 0050 | 09 51 | 34 535 | 06 26Q | 3 3 03 |
| 09 0060 | 09 21 | 34 680 | | 3 3 03 |
| 09 0070 | 08 41 | 34 835 | 05 39 | 3 3 03 |
| 09 0080 | 08 10 | 34 877 | | 3 3 03 |
| 09 0090 | 08 02 | 34 906 | 05 63 | 3 3 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0201 | 57 53 | 0 | 11 25 | 63 12 | 11 10 | 4 9 1 9 |
| 0063 | 03 | | | 07 06 | 005 | |

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|---------|-------|--------|--|--------|
| 10 0000 | 04 51 | 22 217 | | 3 3 03 |
| 10 0005 | 04 32 | 22 870 | | 3 3 03 |
| 10 0010 | 07 04 | 25 452 | | 3 3 03 |
| 10 0015 | 07 80 | 27 902 | | 3 3 03 |
| 10 0020 | 08 41 | 31 616 | | 3 3 03 |
| 10 0030 | 09 25 | 33 147 | | 3 3 03 |
| 10 0040 | 09 74 | 34 477 | | 3 3 03 |
| 10 0050 | 09 17 | 34 687 | | 3 3 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0221 | 57 53 | 0 | 11 25 | 63 12 | 16 11 | 1 3 1 9 |
| 0055 | -03 | | | 36 06 | 000 | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|-----------|--------|------------|---------------|-------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | Wind | | | | Mixed layer depth m | | | | | |
| | | | Dry ↓ | bulb | Wet ↓ | bulb | Dir. | Speed kn. | | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | | | | |
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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 11 | 0000 | 03 | 81 | | 24 | 692 | | | | | | 3 | 0 | 03 | | |
| 11 | 0005 | 04 | 30 | | 25 | 517 | | | | | | 3 | 0 | 03 | | |
| 11 | 0010 | 04 | 92 | | 26 | 061 | | | | | | 3 | 0 | 03 | | |
| 11 | 0015 | 08 | 25 | | 30 | 343 | | | | | | 3 | 0 | 03 | | |
| 11 | 0020 | 08 | 74 | | 32 | 040 | | | | | | 3 | 0 | 03 | | |
| 11 | 0030 | 09 | 31 | | 33 | 431 | | | | | | 3 | 0 | 03 | | |
| 11 | 0040 | 09 | 37 | | 34 | 294 | | | | | | 3 | 0 | 03 | | |
| 11 | 0050 | 08 | 87 | | 34 | 769 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|----|---|---|-----|---|--|
| 77 | 13 | 0222 | 57 | 52 | 0 | 11 | 18 | 63 | 12 | 16 | 12 | 1 | 5 | 2 | 9 | |
| | | 0100 | 03 | | | | | 36 | 10 | | | | | 008 | | |

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|----|------|----|----|--|----|-----|--|--|--|----|-----|---|---|----|--|--|
| 12 | 0000 | 03 | 90 | | 25 | 007 | | | | 07 | 84Q | 3 | 0 | 03 | | |
| 12 | 0005 | 03 | 93 | | 25 | 017 | | | | | | 3 | 0 | 03 | | |
| 12 | 0010 | 04 | 53 | | 25 | 338 | | | | 07 | 43Q | 3 | 0 | 03 | | |
| 12 | 0015 | 08 | 26 | | 29 | 832 | | | | | | 3 | 0 | 03 | | |
| 12 | 0020 | 08 | 64 | | 32 | 112 | | | | | | 3 | 0 | 03 | | |
| 12 | 0030 | 09 | 71 | | 34 | 212 | | | | 05 | 94 | 3 | 0 | 03 | | |
| 12 | 0040 | 09 | 58 | | 34 | 500 | | | | | | 3 | 0 | 03 | | |
| 12 | 0050 | 09 | 34 | | 34 | 680 | | | | 05 | 99 | 3 | 0 | 03 | | |
| 12 | 0060 | 08 | 81 | | 34 | 857 | | | | | | 3 | 0 | 03 | | |
| 12 | 0070 | 08 | 37 | | 34 | 910 | | | | 05 | 91 | 3 | 0 | 03 | | |
| 12 | 0080 | 07 | 33 | | 35 | 015 | | | | | | 3 | 0 | 03 | | |
| 12 | 0090 | 06 | 79 | | 35 | 115 | | | | 05 | 57 | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|----|---|---|-----|---|--|
| 77 | 13 | 0223 | 57 | 50 | 0 | 11 | 04 | 63 | 12 | 16 | 13 | 1 | 3 | 2 | 9 | |
| | | 0048 | 03 | | | | | 36 | 14 | | | | | 008 | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 13 | 0000 | 04 | 20 | | 24 | 287 | | | | | | 3 | 0 | 03 | | |
| 13 | 0005 | 04 | 36 | | 24 | 285 | | | | | | 3 | 0 | 03 | | |
| 13 | 0010 | 05 | 93 | | 25 | 780 | | | | | | 3 | 0 | 03 | | |
| 13 | 0015 | 08 | 26 | | 30 | 528 | | | | | | 3 | 0 | 03 | | |
| 13 | 0020 | 08 | 81 | | 32 | 318 | | | | | | 3 | 0 | 03 | | |
| 13 | 0030 | 09 | 41 | | 34 | 430 | | | | | | 3 | 0 | 03 | | |
| 13 | 0040 | 09 | 00 | | 34 | 806 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|----|---|---|-----|---|--|
| 77 | 13 | 0224 | 57 | 48 | 0 | 10 | 52 | 63 | 12 | 16 | 15 | 1 | 2 | 2 | 9 | |
| | | 0056 | 02 | | | | | 05 | 12 | | | | | 000 | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 15 | 0000 | 04 | 13 | | 23 | 479 | | | | | | 3 | 0 | 03 | | |
| 15 | 0005 | 04 | 40 | | 24 | 863 | | | | | | 3 | 0 | 03 | | |
| 15 | 0010 | 06 | 23 | | 28 | 517 | | | | | | 3 | 0 | 03 | | |
| 15 | 0015 | 09 | 82 | | 33 | 420 | | | | | | 3 | 0 | 03 | | |
| 15 | 0020 | 09 | 46 | | 33 | 430 | | | | | | 3 | 0 | 03 | | |
| 15 | 0030 | 09 | 54 | | 34 | 462 | | | | | | 3 | 0 | 03 | | |
| 15 | 0040 | 08 | 76 | | 34 | 798 | | | | | | 3 | 0 | 03 | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|--------------|--------------|----------------------|------------------------------|---|-----------------|------------------------------|-------------|-------------|---------------------------|------------------|------------------------|-----------------|---------|-----------------|-----------------|-----|
| | | | 0 | 1 | 2 | 3 | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | | Temperature °C Wet ↓ bulb | | | -Wind Dir. Speed kn. | | Mixed layer depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C ↓ | | | Salinity ‰ ↓ | σ_t ↓ | ml / l ↓ | Oxygen ↓ | Saturat. ‰ ↓ | Salin. method | Extra info. | Card code | | | | |

77 13 0224

15 0050 08 41 34 881 3 0 03

77 13 0225 57 48 0 10 42 63 12 16 16 1 6 2 9
0081 02 05 12 004

16 0000 03 68 25 461 3 0 03
 16 0005 07 02 30 018 3 0 03
 16 0010 09 28 33 629 3 0 03
 16 0015 09 97 34 298 3 0 03
 16 0020 09 82 34 464 3 0 03
 16 0030 09 68 34 548 3 0 03
 16 0040 09 37 34 579 3 0 03
 16 0050 09 32 34 693 3 0 03
 16 0060 09 04 34 732 3 0 03
 16 0070 08 29 34 929 3 0 03

77 13 0226 57 52 0 10 36 63 12 16 17 2 7 2 9
0125 02 02 12 000

17 0000 04 56 26 047 3 0 03
 17 0005 04 80 26 399 3 0 03
 17 0010 09 65 33 757 3 0 03
 17 0015 09 26 34 157 3 0 03
 17 0020 09 70 34 352 3 0 03
 17 0030 09 58 34 409 3 0 03
 17 0040 09 77 34 511 3 0 03
 17 0050 09 61 34 594 3 0 03
 17 0060 09 65 34 615 3 0 03
 17 0070 09 50 34 664 3 0 03
 17 0080 09 11 34 744 3 0 03
 17 0090 08 86 34 814 3 0 03
 17 0100 08 53 34 903 3 0 03
 17 0120 08 24 34 940 3 0 03

77 13 0227 57 56 0 10 30 63 12 16 18 2 8 2 9
0113 02 02 16 000

18 0000 04 63 25 252 3 0 03
 18 0005 06 45 29 025 3 0 03
 18 0010 08 90 32 350 3 0 03
 18 0015 09 80 33 714 3 0 03
 18 0020 09 70 34 396 3 0 03
 18 0030 09 23 34 703 3 0 03
 18 0040 08 97 34 749 3 0 03
 18 0050 08 78 34 849 3 0 03
 18 0060 08 55 34 860 3 0 03

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|------------|----------------|-----------|--------|------------|---------------|-------------|---------------------|--------------|---------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | Temperature °C | | Wind | | | | Mixed layer depth m | | | | | |
| | | | Dry ↓ | bulb | Wet ↓ | bulb | Dir. | Speed kn. | | | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | Salinity ‰ | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | | | | |
| | | ↓ | | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 23 | 0005 | 06 | 88 | | 34 | 291 | | | | | | 3 | 0 | 03 | | |
| 23 | 0010 | 06 | 90 | | 34 | 288 | | | | | | 3 | 0 | 03 | | |
| 23 | 0015 | 06 | 87 | | 34 | 293 | | | | | | 3 | 0 | 03 | | |
| 23 | 0020 | 06 | 99 | | 34 | 296 | | | | | | 3 | 0 | 03 | | |
| 23 | 0030 | 06 | 87 | | 34 | 297 | | | | | | 3 | 0 | 03 | | |
| 23 | 0040 | 08 | 38 | | 34 | 972 | | | | | | 3 | 0 | 03 | | |
| 23 | 0050 | 07 | 99 | | 35 | 050 | | | | | | 3 | 0 | 03 | | |
| 23 | 0060 | 07 | 64 | | 35 | 107 | | | | | | 3 | 0 | 03 | | |
| 23 | 0070 | 07 | 33 | | 35 | 136 | | | | | | 3 | 0 | 03 | | |
| 23 | 0080 | 07 | 14 | | 35 | 128 | | | | | | 3 | 0 | 03 | | |
| 23 | 0090 | 06 | 82 | | 35 | 125 | | | | | | 3 | 0 | 03 | | |
| 23 | 0100 | 06 | 62 | | 35 | 129 | | | | | | 3 | 0 | 03 | | |
| 23 | 0125 | 06 | 69 | | 35 | 162 | | | | | | 3 | 0 | 03 | | |
| 23 | 0150 | 06 | 40 | | 35 | 168 | | | | | | 3 | 0 | 03 | | |
| 23 | 0200 | 05 | 84 | | 35 | 128 | | | | | | 3 | 0 | 03 | | |
| 23 | 0300 | 05 | 11 | | 35 | 093 | | | | | | 3 | 0 | 03 | | |
| 23 | 0400 | 04 | 56 | | 35 | 049 | | | | | | 3 | 0 | 03 | | |
| 23 | 0475 | 04 | 46 | | 35 | 043 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 13 | 0231 | 58 | 10 | 0 | 09 | 30 | 63 | 12 | 17 | 03 | 2 | 7 | 2 | 9 | |
| | | 0620 | 03 | | | | | 09 | 08 | | 010 | | | | | |

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|----|------|----|----|--|----|-----|--|--|--|----|----|---|---|----|--|--|
| 04 | 0000 | 07 | 20 | | 34 | 139 | | | | 06 | 59 | 3 | 4 | 03 | | |
| 04 | 0005 | 07 | 27 | | 34 | 140 | | | | | | 3 | 4 | 03 | | |
| 04 | 0010 | 07 | 16 | | 34 | 355 | | | | 06 | 50 | 3 | 4 | 03 | | |
| 04 | 0015 | 07 | 34 | | 34 | 384 | | | | | | 3 | 4 | 03 | | |
| 04 | 0020 | 07 | 29 | | 34 | 408 | | | | | | 3 | 4 | 03 | | |
| 04 | 0030 | 07 | 31 | | 34 | 409 | | | | 06 | 45 | 3 | 4 | 03 | | |
| 04 | 0040 | 07 | 23 | | 34 | 398 | | | | | | 3 | 4 | 03 | | |
| 04 | 0050 | 08 | 41 | | 34 | 791 | | | | 05 | 97 | 3 | 4 | 03 | | |
| 03 | 0060 | 08 | 16 | | 35 | 001 | | | | | | 3 | 4 | 03 | | |
| 03 | 0070 | 08 | 08 | | 35 | 045 | | | | 05 | 73 | 3 | 4 | 03 | | |
| 03 | 0080 | 07 | 60 | | 35 | 102 | | | | | | 3 | 4 | 03 | | |
| 03 | 0090 | 07 | 36 | | 35 | 132 | | | | | | 3 | 4 | 03 | | |
| 03 | 0100 | 07 | 23 | | 35 | 160 | | | | 05 | 62 | 3 | 4 | 03 | | |
| 03 | 0125 | 07 | 06 | | 35 | 183 | | | | | | 3 | 4 | 03 | | |
| 03 | 0150 | 06 | 92 | | 35 | 175 | | | | | | 3 | 4 | 03 | | |
| 03 | 0200 | 06 | 37 | | 35 | 167 | | | | 05 | 86 | 3 | 4 | 03 | | |
| 03 | 0300 | 05 | 38 | | 35 | 105 | | | | 06 | 22 | 3 | 4 | 03 | | |
| 03 | 0400 | 04 | 30 | | 35 | 070 | | | | 06 | 47 | 3 | 4 | 03 | | |
| 03 | 0500 | 04 | 44 | | 35 | 044 | | | | 06 | 57 | 3 | 4 | 03 | | |
| 03 | 0600 | 04 | 27 | | 35 | 037 | | | | 06 | 50 | 3 | 4 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 13 | 0232 | 57 | 57 | 0 | 09 | 06 | 63 | 12 | 17 | 06 | 2 | 8 | 1 | 9 | |
| | | 0490 | 03 | | | | | 09 | 04 | | 014 | | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 07 | 0000 | 07 | 53 | | 33 | 860 | | | | | | 3 | 0 | 03 | | |
|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
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|---------|-------|--------|--------|
| 07 0005 | 07 54 | 33 856 | 3 0 03 |
| 07 0010 | 07 53 | 33 861 | 3 0 03 |
| 07 0015 | 07 90 | 33 916 | 3 0 03 |
| 07 0020 | 09 65 | 34 533 | 3 0 03 |
| 07 0030 | 09 57 | 34 679 | 3 0 03 |
| 07 0040 | 09 11 | 34 807 | 3 0 03 |
| 07 0050 | 08 83 | 34 889 | 3 0 03 |
| 07 0060 | 08 09 | 34 889 | 3 0 03 |
| 07 0070 | 08 09 | 35 032 | 3 0 03 |
| 06 0080 | 07 76 | 35 078 | 3 0 03 |
| 06 0090 | 07 42 | 35 107 | 3 0 03 |
| 06 0100 | 07 38 | 35 123 | 3 0 03 |
| 06 0125 | 07 06 | 35 154 | 3 0 03 |
| 06 0150 | 07 96 | 35 167 | 3 0 03 |
| 06 0200 | 06 54 | 35 175 | 3 0 03 |
| 06 0300 | 05 31 | 35 107 | 3 0 03 |
| 06 0450 | 04 51 | 35 047 | 3 0 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0233 | 58 02 | 0 | 09 25 | 63 12 | 17 08 | 2 8 1 9 |
| 0480 | 03 | | | 16 06 | 019 | |

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|---------|-------|--------|--------|
| 09 0000 | 07 55 | 33 848 | 3 4 03 |
| 09 0005 | 07 53 | 33 848 | 3 4 03 |
| 09 0010 | 07 56 | 33 849 | 3 4 03 |
| 09 0015 | 07 55 | 33 869 | 3 4 03 |
| 09 0020 | 08 64 | 34 264 | 3 4 03 |
| 09 0030 | 07 56 | 34 306 | 3 4 03 |
| 09 0040 | 08 21 | 34 489 | 3 4 03 |
| 09 0050 | 08 86 | 34 770 | 3 4 03 |
| 09 0060 | 08 54 | 34 845 | 3 4 03 |
| 09 0070 | 08 48 | 34 961 | 3 4 03 |
| 08 0080 | 08 13 | 35 025 | 3 4 03 |
| 08 0090 | 07 80 | 35 080 | 3 4 03 |
| 08 0100 | 07 64 | 35 123 | 3 4 03 |
| 08 0125 | 07 17 | 35 164 | 3 4 03 |
| 08 0150 | 07 05 | 35 175 | 3 4 03 |
| 08 0200 | 06 71 | 35 187 | 3 4 03 |
| 08 0300 | 05 55 | 35 130 | 3 4 03 |
| 08 0450 | 04 50 | 35 053 | 3 4 03 |

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|------------|-------|---|-------|-------|-------|---------|
| 77 13 0234 | 58 05 | 0 | 09 46 | 63 12 | 17 11 | 2 8 1 9 |
| 0340 | 03 | | | 18 02 | 024 | |

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|---------|-------|--------|--------|
| 11 0000 | 07 37 | 33 672 | 3 0 03 |
| 11 0005 | 07 36 | 33 665 | 3 0 03 |
| 11 0010 | 07 34 | 33 674 | 3 0 03 |
| 11 0015 | 07 45 | 33 668 | 3 0 03 |

| Country | Ship | Station number | Latitude | | Longitude | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|---------------------|----------------------------------|-----------------|------------------------------|---------------------------|-------------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0-N+E 1-N+W 2-S+E 3-S+W | | | | | | | | | | |
| | | Depth to bottom m | Temperature °C Dry ↓ bulb | | Temperature °C Wet ↓ bulb | -Wind Dir. Speed kn. | | Mixed layer depth m | | | | | |
| Obs. time | Obs. depth m | Temperature °C ↓ | | Salinity ‰ ↓ | σ_t ↓ | ml/l ↓ | Oxygen ↓ | Saturat. ‰ ↓ | Salin. method | Extra info. | Card code | | |

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|----|------|-------|--|---------|--|--|--|--|---|---|----|
| 11 | 0020 | 07 35 | | 33 669 | | | | | 3 | 0 | 03 |
| 11 | 0030 | 07 18 | | 34 431 | | | | | 3 | 0 | 03 |
| 11 | 0040 | 07 27 | | 34 771Q | | | | | 3 | 0 | 03 |
| 11 | 0050 | 08 66 | | 34 783 | | | | | 3 | 0 | 03 |
| 11 | 0060 | 08 49 | | 34 913 | | | | | 3 | 0 | 03 |
| 11 | 0070 | 08 40 | | 34 955 | | | | | 3 | 0 | 03 |
| 11 | 0080 | 08 13 | | 35 006 | | | | | 3 | 0 | 03 |
| 11 | 0090 | 08 03 | | 35 058 | | | | | 3 | 0 | 03 |
| 11 | 0100 | 07 63 | | 35 101 | | | | | 3 | 0 | 03 |
| 11 | 0125 | 07 28 | | 35 147 | | | | | 3 | 0 | 03 |
| 11 | 0150 | 07 15 | | 35 177 | | | | | 3 | 0 | 03 |
| 11 | 0200 | 06 81 | | 35 166 | | | | | 3 | 0 | 03 |
| 11 | 0300 | 05 77 | | 35 138 | | | | | 3 | 0 | 03 |

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|----|----|------|-------|---|-------|-------|-------|---------|
| 77 | 13 | 0235 | 58 09 | 0 | 10 06 | 63 12 | 17 13 | 2 8 2 9 |
| | | 0310 | 02 | | | 07 10 | 018 | |

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|----|------|-------|--|--------|--|--|--|--------|
| 13 | 0000 | 07 38 | | 34 197 | | | | 3 4 03 |
| 13 | 0005 | 07 40 | | 34 191 | | | | 3 4 03 |
| 13 | 0010 | 07 39 | | 34 213 | | | | 3 4 03 |
| 13 | 0015 | 07 45 | | 34 267 | | | | 3 4 03 |
| 13 | 0020 | 07 36 | | 34 315 | | | | 3 4 03 |
| 13 | 0030 | 07 33 | | 34 336 | | | | 3 4 03 |
| 13 | 0040 | 07 38 | | 34 375 | | | | 3 4 03 |
| 13 | 0050 | 07 56 | | 34 421 | | | | 3 4 03 |
| 13 | 0060 | 08 46 | | 34 889 | | | | 3 4 03 |
| 13 | 0070 | 08 26 | | 34 957 | | | | 3 4 03 |
| 13 | 0080 | 07 98 | | 35 052 | | | | 3 4 03 |
| 13 | 0090 | 07 87 | | 35 078 | | | | 3 4 03 |
| 13 | 0100 | 07 53 | | 35 117 | | | | 3 4 03 |
| 13 | 0125 | 07 19 | | 35 151 | | | | 3 4 03 |
| 13 | 0150 | 07 06 | | 35 175 | | | | 3 4 03 |
| 13 | 0200 | 06 71 | | 35 182 | | | | 3 4 03 |
| 13 | 0300 | 05 96 | | 35 167 | | | | 3 4 03 |

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|----|----|------|-------|---|-------|-------|-------|---------|
| 77 | 13 | 0236 | 58 13 | 0 | 10 24 | 63 12 | 17 15 | 1 3 2 9 |
| | | 0250 | 01 | | | 07 10 | 000 | |

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|----|------|-------|--|--------|--|--|--|--------|
| 15 | 0000 | 06 83 | | 33 919 | | | | 3 0 03 |
| 15 | 0005 | 06 82 | | 33 920 | | | | 3 0 03 |
| 15 | 0010 | 06 94 | | 33 919 | | | | 3 0 03 |
| 15 | 0015 | 06 84 | | 33 925 | | | | 3 0 03 |
| 15 | 0020 | 07 41 | | 34 284 | | | | 3 0 03 |
| 15 | 0030 | 08 38 | | 34 495 | | | | 3 0 03 |
| 15 | 0040 | 08 85 | | 34 813 | | | | 3 0 03 |
| 15 | 0050 | 08 67 | | 34 862 | | | | 3 0 03 |
| 15 | 0060 | 08 39 | | 34 882 | | | | 3 0 03 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|------------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 15 | 0070 | 08 | 40 | | 34 | 923 | | | | | | 3 | 0 | 03 | | |
| 15 | 0080 | 08 | 24 | | 34 | 962 | | | | | | 3 | 0 | 03 | | |
| 15 | 0090 | 08 | 13 | | 35 | 038 | | | | | | 3 | 0 | 03 | | |
| 15 | 0100 | 07 | 70 | | 35 | 079 | | | | | | 3 | 0 | 03 | | |
| 15 | 0125 | 07 | 36 | | 35 | 151 | | | | | | 3 | 0 | 03 | | |
| 15 | 0150 | 07 | 36 | | 35 | 171 | | | | | | 3 | 0 | 03 | | |
| 15 | 0200 | 07 | 10 | | 35 | 163 | | | | | | 3 | 0 | 03 | | |
| 15 | 0240 | 07 | 09 | | 35 | 161 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 13 | 0237 | 58 | 15 | 0 | 10 | 34 | 63 | 12 | 17 | 16 | 1 | 2 | 2 | 9 | |
| | | 0280 | 01 | | | | | 07 | 10 | | 010 | | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 17 | 0000 | 06 | 74 | | 33 | 229 | | | | | | 3 | 0 | 03 | | |
| 17 | 0005 | 06 | 77 | | 33 | 925 | | | | | | 3 | 0 | 03 | | |
| 17 | 0010 | 06 | 74 | | 33 | 947 | | | | | | 3 | 0 | 03 | | |
| 17 | 0015 | 06 | 87 | | 33 | 956 | | | | | | 3 | 0 | 03 | | |
| 17 | 0020 | 06 | 93 | | 33 | 996 | | | | | | 3 | 0 | 03 | | |
| 17 | 0030 | 07 | 89 | | 34 | 392 | | | | | | 3 | 0 | 03 | | |
| 17 | 0040 | 08 | 84 | | 34 | 821 | | | | | | 3 | 0 | 03 | | |
| 17 | 0050 | 08 | 55 | | 34 | 923 | | | | | | 3 | 0 | 03 | | |
| 17 | 0060 | 08 | 22 | | 34 | 992 | | | | | | 3 | 0 | 03 | | |
| 16 | 0070 | 07 | 75 | | 35 | 065 | | | | | | 3 | 0 | 03 | | |
| 16 | 0080 | 07 | 61 | | 35 | 120 | | | | | | 3 | 0 | 03 | | |
| 16 | 0090 | 07 | 51 | | 35 | 151 | | | | | | 3 | 0 | 03 | | |
| 16 | 0100 | 07 | 39 | | 35 | 158 | | | | | | 3 | 0 | 03 | | |
| 16 | 0125 | 07 | 39 | | 35 | 162 | | | | | | 3 | 0 | 03 | | |
| 16 | 0150 | 07 | 28 | | 35 | 164 | | | | | | 3 | 0 | 03 | | |
| 16 | 0200 | 07 | 27 | | 35 | 170 | | | | | | 3 | 0 | 03 | | |
| 16 | 0260 | 07 | 10 | | 35 | 173 | | | | | | 3 | 0 | 03 | | |

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|----|----|------|----|----|---|----|----|----|----|----|-----|---|---|---|---|--|
| 77 | 13 | 0238 | 58 | 16 | 0 | 10 | 44 | 63 | 12 | 17 | 18 | 1 | 4 | 1 | 9 | |
| | | 0210 | 01 | | | | | 07 | 12 | | 000 | | | | | |

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|----|------|----|----|--|----|-----|--|--|--|--|--|---|---|----|--|--|
| 18 | 0000 | 03 | 80 | | 25 | 992 | | | | | | 3 | 4 | 03 | | |
| 18 | 0005 | 06 | 42 | | 31 | 970 | | | | | | 3 | 4 | 03 | | |
| 18 | 0010 | 07 | 39 | | 33 | 911 | | | | | | 3 | 4 | 03 | | |
| 18 | 0015 | 07 | 46 | | 34 | 063 | | | | | | 3 | 4 | 03 | | |
| 18 | 0020 | 07 | 50 | | 34 | 081 | | | | | | 3 | 4 | 03 | | |
| 18 | 0030 | 08 | 38 | | 34 | 368 | | | | | | 3 | 4 | 03 | | |
| 18 | 0040 | 08 | 86 | | 34 | 769 | | | | | | 3 | 4 | 03 | | |
| 18 | 0050 | 08 | 60 | | 34 | 882 | | | | | | 3 | 4 | 03 | | |
| 18 | 0060 | 08 | 35 | | 34 | 977 | | | | | | 3 | 4 | 03 | | |
| 18 | 0070 | 07 | 79 | | 35 | 055 | | | | | | 3 | 4 | 03 | | |
| 18 | 0080 | 07 | 64 | | 35 | 091 | | | | | | 3 | 4 | 03 | | |
| 18 | 0090 | 07 | 45 | | 35 | 109 | | | | | | 3 | 4 | 03 | | |
| 18 | 0100 | 07 | 37 | | 35 | 117 | | | | | | 3 | 4 | 03 | | |
| 18 | 0125 | 07 | 41 | | 35 | 159 | | | | | | 3 | 4 | 03 | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml/l | Oxygen | Saturat. % | Salin. method | Extra info. | Card code | | |
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77 13 0238

18 0150 07 22 35 173 3 4 03
 18 0200 06 95 35 181 3 4 03

77 13 0239 58 18 0 10 49 63 12 17 19 2 8 2 9
 0162 00 05 10 006

19 0000 03 74 24 569 3 0 03
 19 0005 03 74 24 603 3 0 03
 19 0010 07 00 32 689 3 0 03
 19 0015 07 09 33 799 3 0 03
 19 0020 07 28 34 024 3 0 03
 19 0030 07 52 34 179 3 0 03
 19 0040 08 26 34 588 3 0 03
 19 0050 08 51 34 814 3 0 03
 19 0060 08 36 34 976 3 0 03
 19 0070 08 05 35 028 3 0 03
 19 0080 07 62 35 094 3 0 03
 19 0090 07 58 35 119 3 0 03
 19 0100 07 50 35 140 3 0 03
 19 0125 07 19 35 152 3 0 03
 19 0150 06 76 35 165 3 0 03

77 13 0240 58 19 0 10 57 63 12 17 20 4 8 1 9
 0110 -00 5 02 04 000

20 0000 03 70 26 209 3 0 03
 20 0005 05 02 27 422 3 0 03
 20 0010 08 68 32 159 3 0 03
 20 0015 09 08 32 896 3 0 03
 20 0020 10 16 34 037 3 0 03
 20 0030 09 65 34 381 3 0 03
 20 0040 09 67 34 505 3 0 03
 20 0050 09 49 34 610 3 0 03
 20 0060 09 13 34 725 3 0 03
 20 0070 09 75 34 828 3 0 03
 20 0080 08 30 34 921 3 0 03
 20 0090 07 89 35 037 3 0 03
 20 0100 07 06 35 126 3 0 03

77 13 0241 58 20 0 11 02 63 12 17 21 2 8 1 9
 0075 -00 5 36 06 000

21 0000 03 11 26 523 3 4 03
 21 0005 04 90 28 371 3 4 03
 21 0010 06 84 30 932 3 4 03
 21 0015 07 54 31 922 3 4 03

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 19 | Month | Day | Station time | Weather | Cloud amount | State of sea | Ice |
|-----------|--------------|-------------------|----------------|-------|------------|----------------|---|------------|---------|-----------|---------------------|---------------|-------------|--------------|--------------|-----|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0 | 1 | | | | | | | | |
| | | Depth to bottom m | Temperature °C | | | Temperature °C | | | -Wind | | Mixed layer depth m | | | | | |
| | | | Dry ↓ bulb | | | Wet ↓ bulb | | | Dir. | Speed kn. | | | | | | |
| Obs. time | Obs. depth m | Temperature °C | | | Salinity ‰ | | | σ_t | ml / l | Oxygen | Saturat. ‰ | Salin. method | Extra info. | Card code | | |

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|---------|--------|--|--------|--|--|--|--|--|--|--|--------|--|--|--|--|
| 21 0020 | 10 21 | | 34 010 | | | | | | | | 3 4 03 | | | | |
| 21 0030 | 09 67 | | 34 401 | | | | | | | | 3 4 03 | | | | |
| 21 0040 | 09 67 | | 34 524 | | | | | | | | 3 4 03 | | | | |
| 21 0050 | 08 50 | | | | | | | | | | 4 03 | | | | |
| 21 0060 | 08 50Q | | 34 622 | | | | | | | | 3 4 03 | | | | |
| 21 0070 | 08 79 | | 34 818 | | | | | | | | 3 4 03 | | | | |

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|------------|-------|---|-------|-------|-------|---------|--|--|--|--|--|--|--|--|--|
| 77 13 0242 | 58 20 | 0 | 11 06 | 63 12 | 17 21 | 2 8 1 9 | | | | | | | | | |
| 0057 | -00 5 | | | 05 04 | 000 | | | | | | | | | | |

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| 21 0000 | 03 03 | | 25 471 | | | | | | | | 3 0 03 | | | | |
| 21 0005 | 04 64 | | 26 997 | | | | | | | | 3 0 03 | | | | |
| 21 0010 | 08 14 | | 30 689 | | | | | | | | 3 0 03 | | | | |
| 21 0015 | 08 92 | | 32 222 | | | | | | | | 3 0 03 | | | | |
| 21 0020 | 09 72 | | 33 670 | | | | | | | | 3 0 03 | | | | |
| 21 0030 | 09 71 | | 34 229 | | | | | | | | 3 0 03 | | | | |
| 21 0040 | 09 57 | | 34 546 | | | | | | | | 3 0 03 | | | | |
| 21 0050 | 09 12 | | 34 727 | | | | | | | | 3 0 03 | | | | |

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|------------|-------|---|-------|-------|-------|---------|--|--|--|--|--|--|--|--|--|
| 77 13 0243 | 58 20 | 0 | 11 10 | 63 12 | 17 22 | 2 8 1 9 | | | | | | | | | |
| 0055 | -00 5 | | | 05 06 | 000 | | | | | | | | | | |

| | | | | | | | | | | | | | | | |
|---------|-------|--|--------|--|--|--|--|--|--|--|--------|--|--|--|--|
| 22 0000 | 03 03 | | 25 220 | | | | | | | | 3 4 03 | | | | |
| 22 0005 | 04 46 | | 26 057 | | | | | | | | 3 4 03 | | | | |
| 22 0010 | 05 72 | | 27 842 | | | | | | | | 3 4 03 | | | | |
| 22 0015 | 08 07 | | 30 790 | | | | | | | | 3 4 03 | | | | |
| 22 0020 | 09 16 | | 32 963 | | | | | | | | 3 4 03 | | | | |
| 22 0030 | 09 43 | | 34 362 | | | | | | | | 3 4 03 | | | | |
| 22 0040 | 09 28 | | 34 567 | | | | | | | | 3 4 03 | | | | |
| 22 0050 | 08 68 | | 34 820 | | | | | | | | 3 4 03 | | | | |

"Thetis"

Chemical Observations

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 1 | Month | Day | Stat. time | Depth to bottom m |
|---------|------|----------------|----------|-------|-------|-----------|--|--|-----------|-------|-----|------------|-------------------|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | | | | | | | |

| Obs. time | Obs. depth m | Temperature °C | Chlorosity g./dm ³ | Oxygen μmol/dm ³ | Phosphate-P μg.-atoms/dm ³ | Total P μg.-atoms/dm ³ | Silicate-Si μg.-atoms/dm ³ | Card code |
|-----------|--------------|-------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|---------------------------------------|-----------|
| | | Nitrate-N μg.-atoms/dm ³ | Nitrite-N μg.-atoms/dm ³ | Ammonium-N μg.-atoms/dm ³ | Organic N μg.-atoms/dm ³ | pH | Alkalinity μval /dm ³ | |

| | | | | | | | | |
|----|----|------|--------|---------|-----|-------|---------|----|
| 77 | 13 | 0001 | 57 53 | 0 11 25 | 963 | 02 11 | 13 0060 | |
| | 13 | 0000 | -01 16 | 13 25 | | 0 31 | | 06 |
| | 13 | 0005 | -01 20 | 13 32 | | 0 44 | | 06 |
| | 13 | 0010 | -01 16 | 13 38 | | 0 50 | | 06 |
| | 13 | 0015 | 00 18 | 15 12 | | 0 62 | | 06 |
| | 13 | 0020 | 01 63 | 16 73 | | 0 79 | | 06 |
| | 13 | 0030 | 04 25 | 18 51 | | 0 89 | | 06 |
| | 13 | 0040 | 06 48 | 19 41 | | 1 00 | | 06 |

| | | | | | | | | |
|----|----|------|--------|---------|-----|-------|---------|----|
| 77 | 13 | 0005 | 57 52 | 0 11 18 | 963 | 02 11 | 18 0097 | |
| | 18 | 0000 | -01 21 | 13 08 | 411 | 0 31 | | 06 |
| | 18 | 0005 | -01 25 | 13 05 | | 0 33 | | 06 |
| | 18 | 0010 | -01 16 | 13 19 | 389 | 0 29 | | 06 |
| | 18 | 0015 | -00 23 | 16 73 | | 0 46 | | 06 |
| | 18 | 0020 | 01 98 | 17 87 | | 0 50 | | 06 |
| | 18 | 0030 | 04 02 | 18 81 | 321 | 0 57 | | 06 |
| | 18 | 0040 | 06 52 | 19 46 | | 0 80 | | 06 |
| | 18 | 0050 | 07 26 | 19 73 | 272 | 0 65 | | 06 |
| | 18 | 0060 | 07 53 | 19 91 | | 0 91 | | 06 |
| | 18 | 0070 | 06 94 | 19 93 | 266 | 0 99 | | 06 |
| | 18 | 0080 | 06 89 | 19 94 | | 0 99 | | 06 |
| | 18 | 0090 | 06 89 | 19 91 | 267 | 1 09 | | 06 |

| | | | | | | | | |
|----|----|------|--------|---------|-----|-------|---------|----|
| 77 | 13 | 0006 | 57 50 | 0 11 04 | 963 | 02 11 | 19 0050 | |
| | 19 | 0000 | -01 07 | 13 08 | | 0 31 | | 06 |
| | 19 | 0005 | -01 08 | 13 02 | | 0 34 | | 06 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 1 | Month | Day | Stat. time | Depth to bottom m |
|--------------|--------------|--|--|---|--|--------------------------------------|--|--------------|-----------|-------|-----|---------------|----------------------|
| | | | 0:N+E | 1:N+W | 2:S+E | 3:S+W | 0:N+E | 1:N+W | | | | | |
| Obs. time | Obs. depth m | Temperature °C | Chlorosity g./dm ³ | Oxygen μmol/dm ³ | Phosphate-P μg.-atoms/dm ³ | Total P μg.-atoms/dm ³ | Silicate-Si μg.-atoms/dm ³ | Card code | | | | | |
| | | Nitrate-N μg.-atoms/dm ³ | Nitrite-N μg.-atoms/dm ³ | Ammonium-N μg.-atoms/dm ³ | Organic N μg.-atoms/dm ³ | pH | Alkalinity μval /dm ³ | | | | | | |

77 13 0006

| | | | | | | | | |
|---------|-------|-------|--|--|------|--|--|----|
| 19 0010 | 01 04 | 15 85 | | | 0 43 | | | 06 |
| 19 0015 | 01 74 | 17 46 | | | 0 49 | | | 06 |
| 19 0020 | 03 11 | 18 16 | | | 0 65 | | | 06 |
| 19 0030 | 04 99 | 18 93 | | | 0 65 | | | 06 |
| 19 0040 | 06 31 | 19 37 | | | 0 71 | | | 06 |

77 13 0007 57 47 0 10 53 963 02 11 21 0059

| | | | | | | | | |
|---------|--------|-------|--|--|------|--|--|----|
| 21 0000 | -01 15 | 13 75 | | | 0 36 | | | 06 |
| 21 0005 | -01 15 | 13 81 | | | 0 32 | | | 06 |
| 21 0010 | 01 84 | 17 05 | | | 0 59 | | | 06 |
| 21 0015 | 03 69 | 18 23 | | | 0 60 | | | 06 |
| 21 0020 | 04 82 | 18 71 | | | 0 70 | | | 06 |
| 21 0030 | 06 03 | 19 29 | | | 0 71 | | | 06 |
| 21 0040 | 07 13 | 19 65 | | | 0 88 | | | 06 |
| 21 0050 | 07 52 | 19 87 | | | 0 99 | | | 06 |

77 13 0020 58 20 0 11 06 963 02 12 15 0058

| | | | | | | | | |
|---------|--------|-------|--|--|------|--|--|----|
| 15 0000 | -01 13 | 14 06 | | | 0 34 | | | 06 |
| 15 0005 | -01 25 | 15 32 | | | 0 26 | | | 06 |
| 15 0010 | -01 27 | 16 66 | | | 0 48 | | | 06 |
| 15 0015 | 00 46 | 17 67 | | | 0 50 | | | 06 |
| 15 0020 | 02 85 | 18 67 | | | 0 70 | | | 06 |
| 15 0030 | 03 73 | 19 05 | | | 0 77 | | | 06 |
| 15 0040 | 05 48 | 19 34 | | | 0 85 | | | 06 |
| 15 0050 | 07 17 | 19 91 | | | 1 13 | | | 06 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 1 | Month | Day | Stat. time | Depth to bottom m |
|---------|------|----------------|----------|--------|--------|-----------|--|--|-----------|-------|-----|------------|-------------------|
| | | | 0: N+E | 1: N+W | 2: S+E | 3: S+W | | | | | | | |

| Obs. time | Obs. depth m | Temperature °C | Chlorosity g./dm ³ | Oxygen μmol/dm ³ | Phosphate-P μg.-atoms/dm ³ | Total P μg.-atoms/dm ³ | Silicate-Si μg.-atoms/dm ³ | Card code |
|-----------|--------------|-------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|---------------------------------------|-----------|
| | | Nitrate-N μg.-atoms/dm ³ | Nitrite-N μg.-atoms/dm ³ | Ammonium-N μg.-atoms/dm ³ | Organic N μg.-atoms/dm ³ | pH | Alkalinity μval/dm ³ | |

| | | | | | | | | | | | | |
|----|----|------|-------|---------|------|-------|---------|--|--|--|--|----|
| 77 | 13 | 0169 | | | | | | | | | | |
| | 15 | 0090 | 11 33 | 19 40 | 217 | 0 88 | | | | | | 06 |
| | | | | | | | 7 97 | | | | | |
| 77 | 13 | 0170 | 57 53 | 0 11 25 | 963 | 10 07 | 16 0060 | | | | | |
| | 16 | 0000 | 12 20 | 13 75 | | 0 45 | | | | | | 06 |
| | 16 | 0005 | 12 38 | 15 69 | | 0 41 | 8 12 | | | | | 06 |
| | 16 | 0010 | 13 23 | 18 27 | | 0 59 | 8 07 | | | | | 06 |
| | 16 | 0015 | 12 94 | 18 49 | | 0 50 | 8 04 | | | | | 06 |
| | 16 | 0020 | 12 98 | 18 56 | | 0 64 | 8 04 | | | | | 06 |
| | 16 | 0030 | 12 86 | 18 61 | | 0 32 | 8 06 | | | | | 06 |
| | 16 | 0040 | 12 86 | 18 75 | | 0 37 | 8 08 | | | | | 06 |
| | 16 | 0050 | 13 24 | 19 18 | | 0 44 | 8 05 | | | | | 06 |
| | | | | | | | 8 02 | | | | | |
| 77 | 13 | 0200 | 57 52 | 0 11 18 | 963 | 12 11 | 09 0098 | | | | | |
| | 09 | 0000 | 04 86 | 12 85 | 337 | 0 31 | | | | | | 06 |
| | 09 | 0005 | 04 91 | 13 27 | | 0 31 | 8 10 | | | | | 06 |
| | 09 | 0010 | 06 31 | 13 56 | 321 | 0 25 | 8 10 | | | | | 06 |
| | 09 | 0015 | 08 33 | 16 79 | | 0 47 | 8 07 | | | | | 06 |
| | 09 | 0020 | 08 48 | 17 79 | | 0 52 | 8 01 | | | | | 06 |
| | 09 | 0030 | 09 25 | 18 93 | 270 | 0 60 | 8 00 | | | | | 06 |
| | 09 | 0040 | 09 56 | 19 49 | | 0 54 | 8 03 | | | | | 06 |
| | 09 | 0050 | 09 51 | 19 59 | 280Q | 0 50 | 8 03 | | | | | 06 |
| | 09 | 0060 | 09 21 | 19 67 | | 0 66 | 8 02 | | | | | 06 |
| | 09 | 0070 | 08 41 | 19 76 | 241 | 0 76 | 8 15 | | | | | 06 |
| | 09 | 0080 | 08 10 | 19 79 | | 0 86 | 8 06 | | | | | 06 |
| | 09 | 0090 | 08 02 | 19 80 | 251 | 0 84 | 8 02 | | | | | 06 |
| | | | | | | | 8 01 | | | | | |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 1 | Month | Day | Stat. time | Depth to bottom m |
|---------|------|----------------|----------------------------------|--|--|-----------|--|--|-----------|-------|-----|---------------|----------------------|
| | | | 0:N+E 1:N+W 2:S+E 3:S+W | | | | | | | | | | |

| Obs. time | Obs. depth m | Temperature °C | Chlorosity g./dm ³ | Oxygen μmol/dm ³ | Phosphate-P μg.-atoms/dm ³ | Total P μg.-atoms/dm ³ | Silicate-Si μg.-atoms/dm ³ | Card code |
|--------------|--------------|---|---|--|---|--------------------------------------|--|--------------|
| | | ↓ Nitrate-N μg.-atoms/dm ³ | ↓ Nitrite-N μg.-atoms/dm ³ | ↓ Ammonium-N μg.-atoms/dm ³ | ↓ Organic N μg.-atoms/dm ³ | ↓ pH | ↓ Alkalinity μval /dm ³ | |

77 13 0231

03 0500 04 44 19 87 293 0 89 06

03 0600 04 27 19 87 290 0 89 06

77 13 0233 58 02 0 09 25 963 12 17 08 0480

09 0000 07 55 19 19 0 48 06

09 0005 07 53 19 19 0 51 06

09 0010 07 56 19 19 0 50 06

09 0020 08 64 19 42 0 52 06

09 0030 07 56 19 45 0 55 06

09 0040 08 21 19 56 0 57 06

09 0050 08 86 19 71 0 48 06

09 0060 08 54 19 76 0 51 06

09 0070 08 48 19 83 0 68 06

08 0080 08 13 19 86 0 79 06

08 0090 07 80 19 90 0 85 06

08 0100 07 64 19 92 0 83 06

08 0125 07 17 19 94 0 89 06

08 0150 07 05 19 96 0 99 06

08 0200 06 71 19 97 0 88 06

08 0300 05 55 19 92 0 93 06

08 0450 04 50 19 88 0 87 06

77 13 0235 58 09 0 10 06 963 12 17 13 0310

13 0000 07 38 19 39 0 52 06

13 0005 07 40 19 38 0 55 06

| Country | Ship | Station number | Latitude | | Longitude | | Year 1 | Month | Day | Stat. time | Depth to bottom m |
|---------|------|----------------|----------------------------------|--|-----------|--|-----------|-------|-----|---------------|----------------------|
| | | | 0:N+E 1:N+W 2:S+E 3:S+W | | | | | | | | |

| Obs. time | Obs. depth m | Temperature °C | Chlorosity g./dm ³ | Oxygen μmol/dm ³ | Phosphate-P μg.-atoms/dm ³ | Total P μg.-atoms/dm ³ | Silicate-Si μg.-atoms/dm ³ | Card code |
|--------------|--------------|--|--|---|--|--------------------------------------|--|--------------|
| | | Nitrate-N μg.-atoms/dm ³ | Nitrite-N μg.-atoms/dm ³ | Ammonium-N μg.-atoms/dm ³ | Organic N μg.-atoms/dm ³ | pH | Alkalinity μval/dm ³ | |

77 13 0235

| | | | | | | | | |
|---------|-------|-------|--|--|------|--|--|----|
| 13 0010 | 07 39 | 19 40 | | | 0 55 | | | 06 |
| 13 0015 | 07 45 | 19 43 | | | 0 54 | | | 06 |
| 13 0020 | 07 36 | 19 46 | | | 0 50 | | | 06 |
| 13 0030 | 07 33 | 19 47 | | | 0 52 | | | 06 |
| 13 0040 | 07 38 | 19 49 | | | 0 51 | | | 06 |
| 13 0050 | 07 56 | 19 51 | | | 0 49 | | | 06 |
| 13 0060 | 08 46 | 19 79 | | | 0 59 | | | 06 |
| 13 0070 | 08 26 | 19 83 | | | 0 59 | | | 06 |
| 13 0080 | 07 98 | 19 88 | | | 0 81 | | | 06 |
| 13 0090 | 07 87 | 19 90 | | | 0 84 | | | 06 |
| 13 0100 | 07 53 | 19 92 | | | 0 83 | | | 06 |
| 13 0125 | 07 19 | 19 94 | | | 0 91 | | | 06 |
| 13 0150 | 07 06 | 19 96 | | | 0 96 | | | 06 |
| 13 0200 | 06 71 | 19 96 | | | 0 96 | | | 06 |
| 13 0300 | 05 96 | 19 96 | | | 1 03 | | | 06 |

77 13 0238 58 16 0 10 44 963 12 17 18 0210

| | | | | | | | | |
|---------|-------|-------|--|--|------|--|--|----|
| 18 0000 | 03 80 | 14 64 | | | 0 38 | | | 06 |
| 18 0005 | 06 42 | 18 10 | | | 0 43 | | | 06 |
| 18 0010 | 07 39 | 19 22 | | | 0 44 | | | 06 |
| 18 0015 | 07 46 | 19 30 | | | 0 54 | | | 06 |
| 18 0020 | 07 50 | 19 31 | | | 0 49 | | | 06 |
| 18 0030 | 08 38 | 19 48 | | | 0 51 | | | 06 |
| 18 0040 | 08 86 | 19 71 | | | 0 47 | | | 06 |
| 18 0050 | 08 60 | 19 79 | | | 0 56 | | | 06 |

| Country | Ship | Station number | Latitude | | | Longitude | | | Year 1 | Month | Day | Stat. time | Depth to bottom m |
|---------|------|----------------|----------|--------|--------|-----------|---|---|-----------|-------|-----|---------------|----------------------|
| | | | 0: N+E | 1: N+W | 2: S+E | 3: S+W | 0 | 1 | | | | | |

| Obs. time | Obs. depth m | Temperature °C | Chlorosity g./dm ³ | Oxygen μmol/dm ³ | Phosphate-P μg.-atoms/dm ³ | Total P μg.-atoms/dm ³ | Silicate-Si μg.-atoms/dm ³ | Card code |
|--------------|--------------|--|--|---|--|--------------------------------------|--|--------------|
| | | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |
| | | Nitrate-N μg.-atoms/dm ³ | Nitrite-N μg.-atoms/dm ³ | Ammonium-N μg.-atoms/dm ³ | Organic N μg.-atoms/dm ³ | pH | Alkalinity μval/dm ³ | |
| | | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |

77 13 0238

| | | | | | | | |
|---------|-------|-------|--|------|--|--|----|
| 18 0060 | 08 35 | 19 84 | | 0 61 | | | 06 |
| 18 0070 | 07 79 | 19 88 | | 0 87 | | | 06 |
| 18 0080 | 07 64 | 19 90 | | 0 78 | | | 06 |
| 18 0090 | 07 45 | 19 91 | | 0 89 | | | 06 |
| 18 0100 | 07 37 | 19 92 | | 0 82 | | | 06 |
| 18 0125 | 07 41 | 19 94 | | 0 85 | | | 06 |
| 18 0150 | 07 22 | 19 96 | | 0 93 | | | 06 |
| 18 0200 | 06 95 | 19 96 | | 1 01 | | | 06 |

77 13 0241 58 20 0 11 02 963 12 17 21 0075

| | | | | | | | |
|---------|-------|-------|--|------|--|--|----|
| 21 0000 | 03 11 | 14 95 | | 0 40 | | | 06 |
| 21 0005 | 04 90 | 16 01 | | 0 43 | | | 06 |
| 21 0010 | 06 84 | 17 49 | | 0 45 | | | 06 |
| 21 0015 | 07 54 | 18 07 | | 0 55 | | | 06 |
| 21 0020 | 10 21 | 19 27 | | 0 57 | | | 06 |
| 21 0030 | 09 67 | 19 50 | | 0 61 | | | 06 |
| 21 0040 | 09 67 | 19 58 | | 0 50 | | | 06 |
| 21 0050 | 08 50 | | | 0 52 | | | 06 |
| 21 0060 | 08 08 | 19 63 | | 0 49 | | | 06 |
| 21 0070 | 08 79 | 19 75 | | 0 68 | | | 06 |

77 13 0243 58 20 0 11 10 963 12 17 22 0055

| | | | | | | | |
|---------|-------|-------|--|------|--|--|----|
| 22 0000 | 03 03 | 14 20 | | 0 26 | | | 06 |
| 22 0005 | 04 46 | 14 68 | | 0 32 | | | 06 |
| 22 0010 | 05 72 | 15 71 | | 0 44 | | | 06 |

