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THE UNIVERSITY RESEARCH INSTITUTE — DEPARTMENT OF FISHERIES

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UNNSTEINN STEFÁNSSON:

**THE "ÆGIR" REDFISH LARVAE EXPEDITIONS
TO THE IRMINGER SEA IN MAY 1961**

Oceanographical Observations

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The "Ægir" Redfish Larvae Expeditions
to the Irminger Sea in May 1961
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By
UNNSTEINN STEFÁNSSON

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I.

INTRODUCTION

In connection with investigations of the spawning areas of redfish and the distribution of redfish larvae in the Irminger Sea in May 1961, a few hydrographic sections and a number of bathythermograph observations were carried out from the Icelandic coast guard vessel "Ægir".

The data presented here include material from two observational series, viz. a) April 30th—May 17th (stations B/61-1—B/61-102) and b) May 22nd—June 1st (stations B/61-103—B/61-173). A total number of 86 hydrographic stations and 88 bathythermograph stations were worked. The ship's track and station positions are shown in Fig. 1. The ice border as observed during the cruises is also shown.

Temperature and salinity profiles have been drawn up for three sections extending west of Iceland: off Látrabjarg, Snæfellsnes and Reykjanes. These profiles have a vertical exaggeration of 148:1.

The bathythermograph observations presented were prepared by projecting each original slide onto an enlarged calibrated grid specially constructed for the instrument used. The bathythermograph tracings were then done in ink. With each tracing the following information is given: station number, date, station time in GMT and position (latitude and longitude). The bathythermograph lowerings were in all cases made while the ship was stationary.

In the tabulated station data the starting time of the hydrographic stations is given in GMT. Surface samples were collected with a dip bucket, but samples from subsurface depths were taken with frameless reversing water bottles of the Knudsen type. Two deep-sea reversing thermometers were mounted on each bottle. Most of the thermometers used were of the Richter & Wiese type, range -2 to $+16^{\circ}$ C. Unfortunately, unprotected thermometers were not available for this cruise so that the meter wheel readings could not be corrected to give the true depths of reversal. However, when the weather is calm, such as was the case during these cruises, this correction will be small, generally less than 5% of the true depth, as judged by the results from the investigations made west of Iceland in May—June 1959. The salinities were determined by titra-

tion with silver nitrate, using sodium fluorescein-starch indicator (cf. STEFÁNSSON 1962, p. 28).

A preliminary discussion of the hydrographic conditions in the northern North Atlantic in April/May 1961, which makes use of some of the data presented here, is in press (DIETRICH and STEFÁNSSON 1962).

The laboratory work and the preparation of the material for publication was done with major contributions from Miss Sigprúður Jónsdóttir and Mr. Birgir Halldórsson, whose assistance is gratefully acknowledged.

REFERENCES

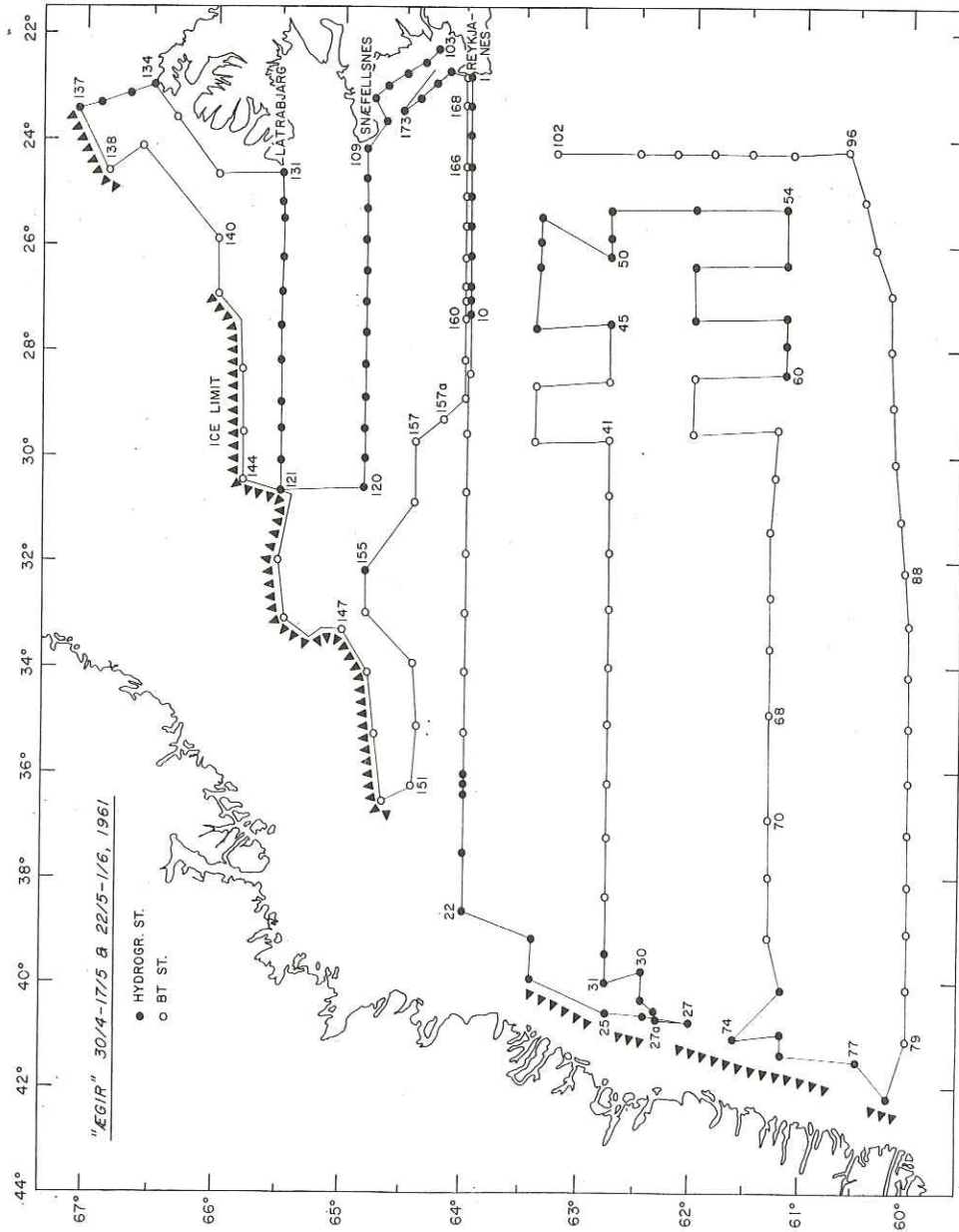
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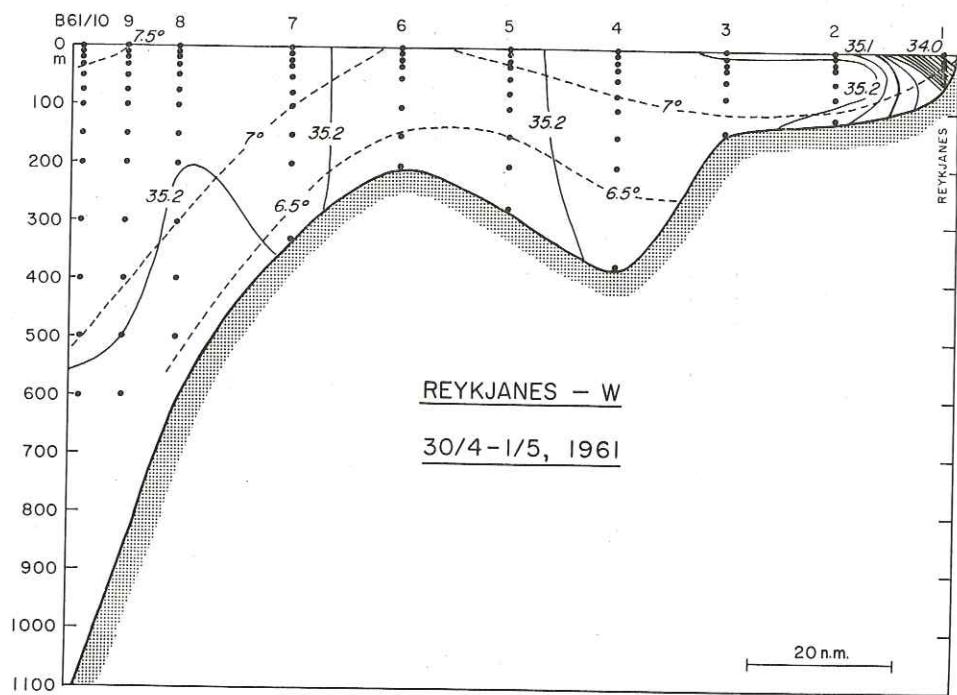
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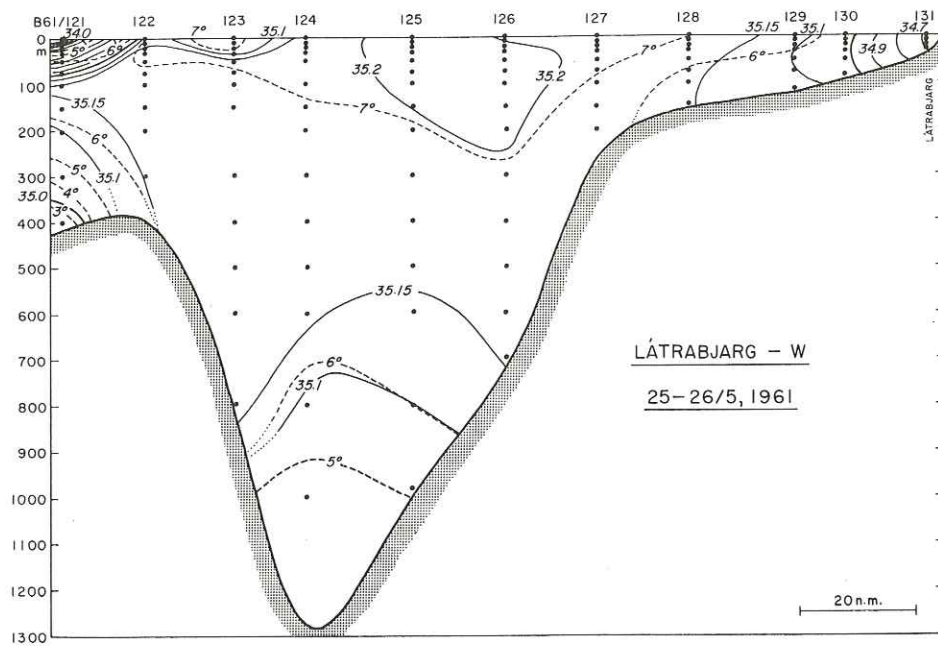
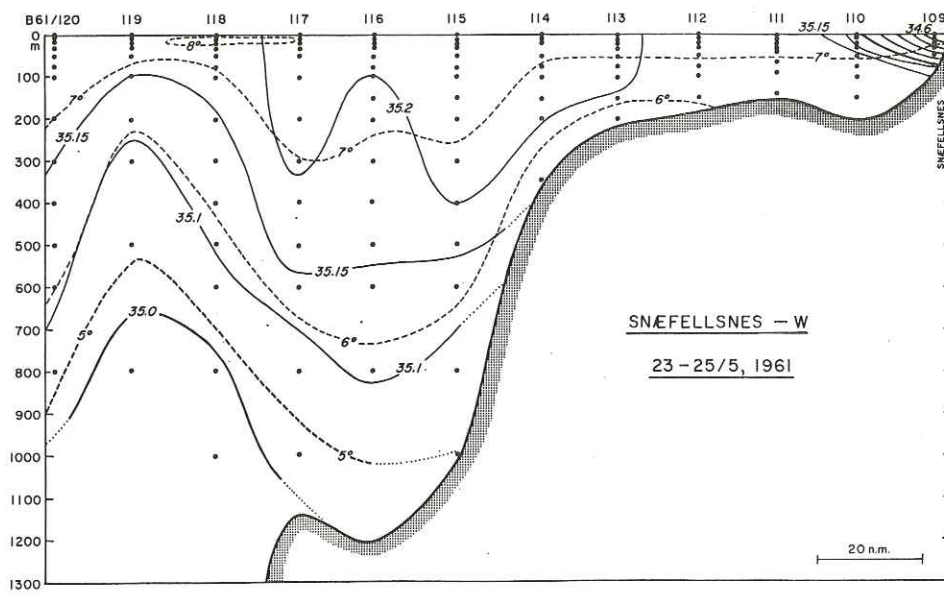
II.

POSITIONS OF THE STATIONS WORKED



III.
TEMPERATURE AND SALINITY PROFILES

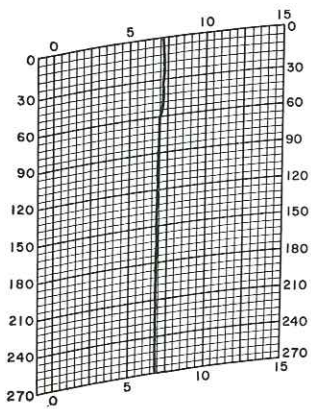




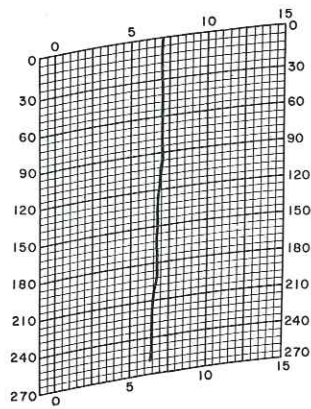
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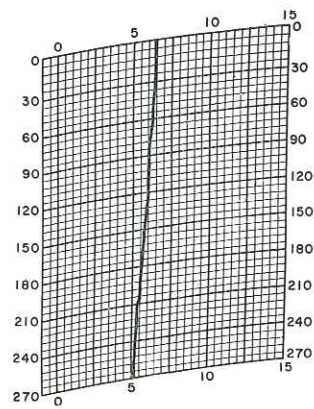
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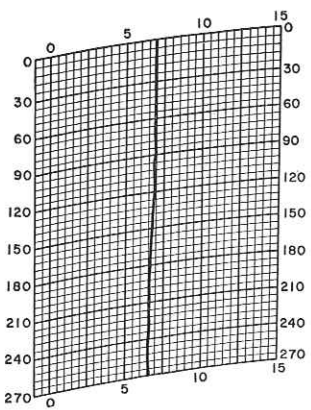
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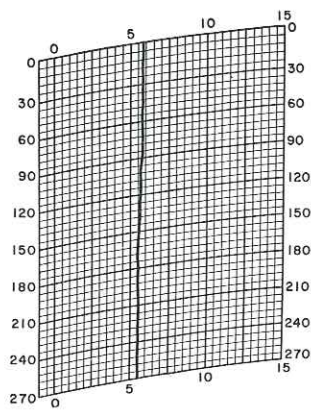
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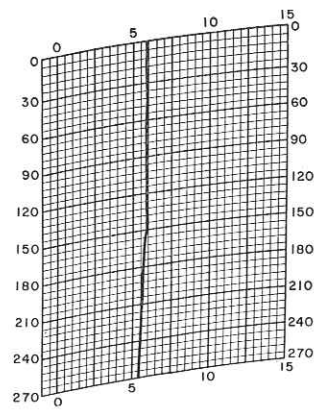
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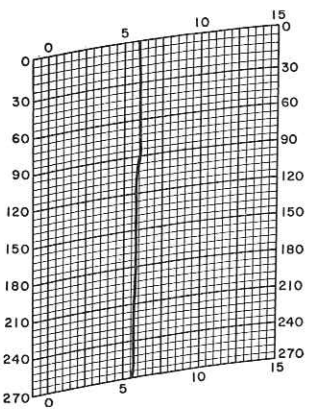
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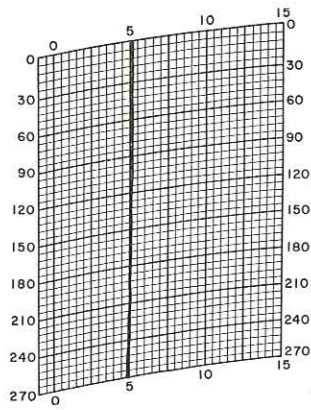
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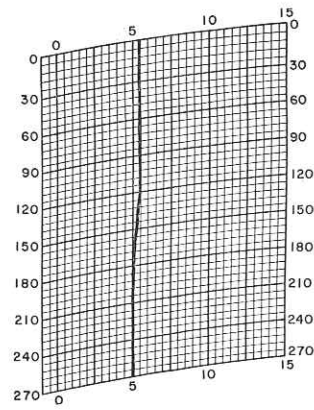
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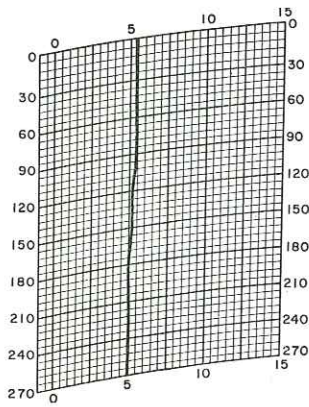
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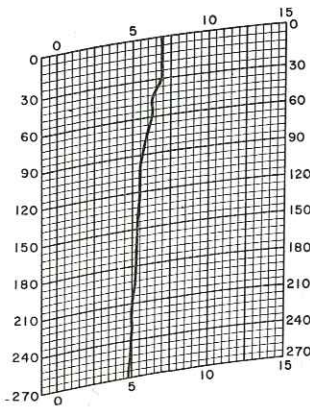
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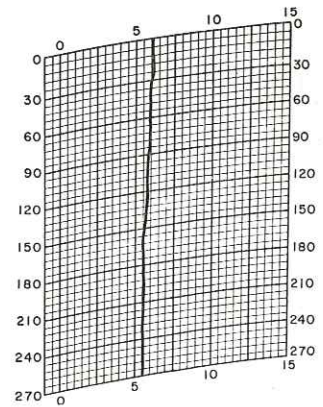
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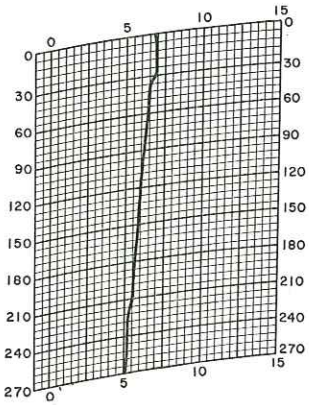
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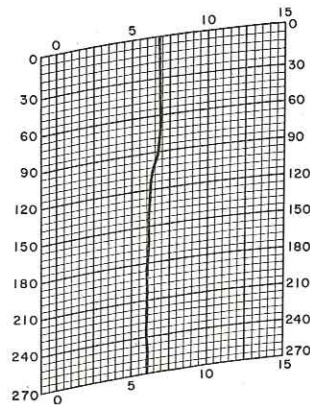
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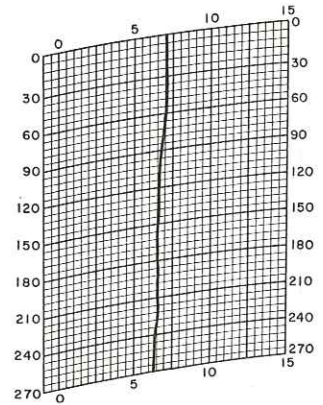
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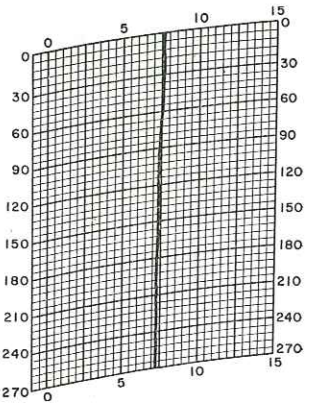
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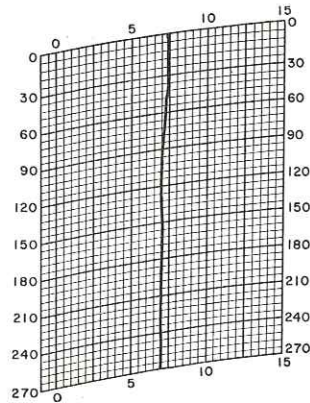
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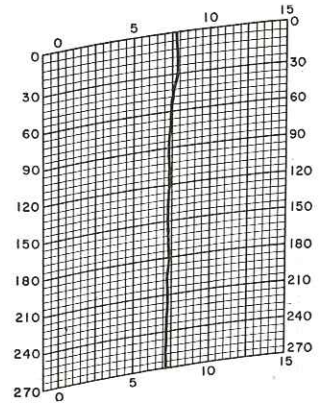
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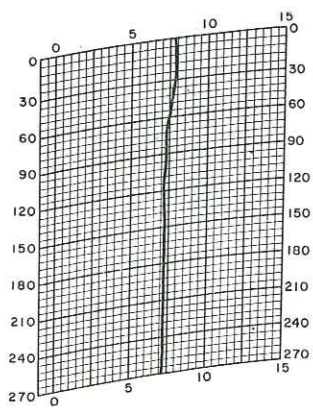
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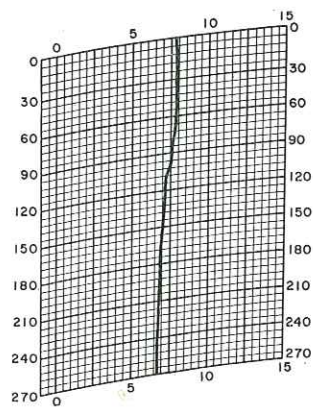
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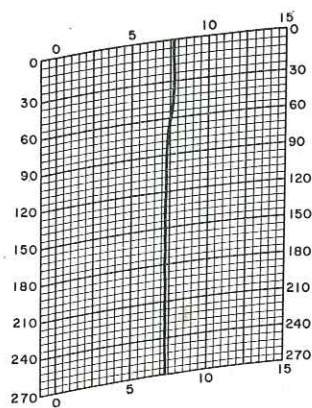
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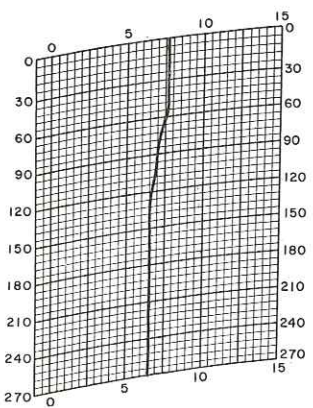
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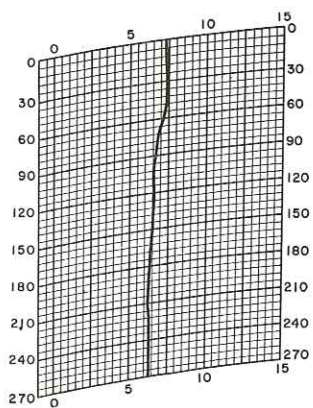
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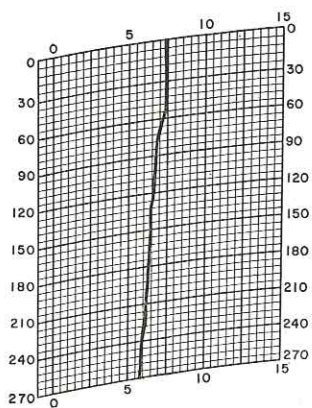
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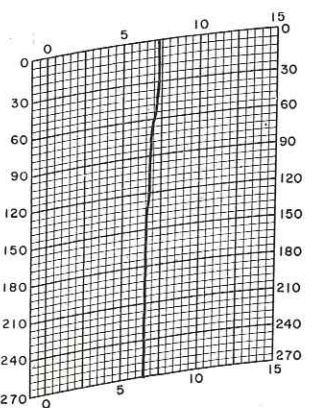
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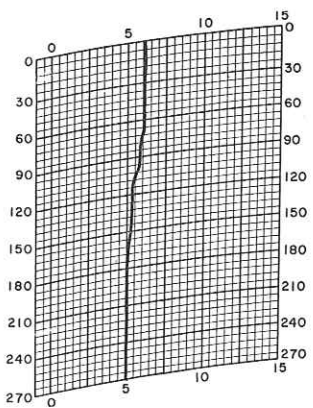
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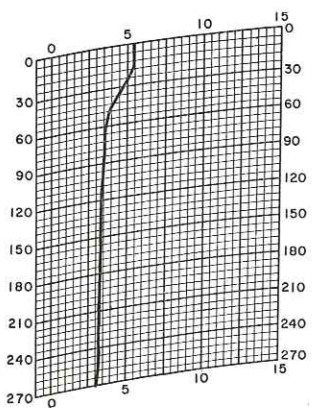
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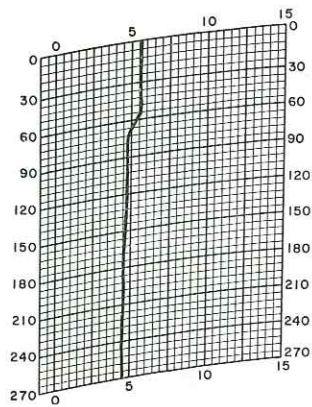
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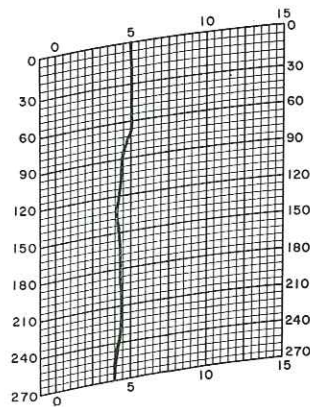
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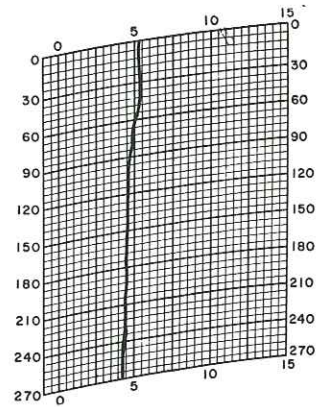
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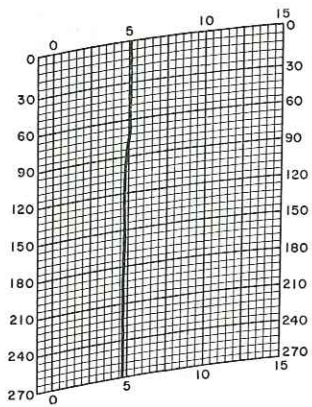
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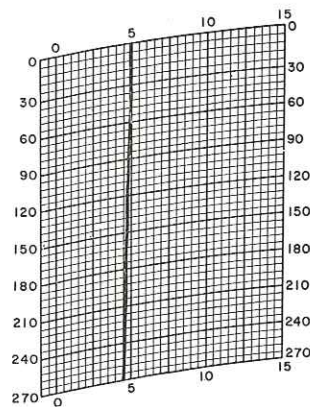
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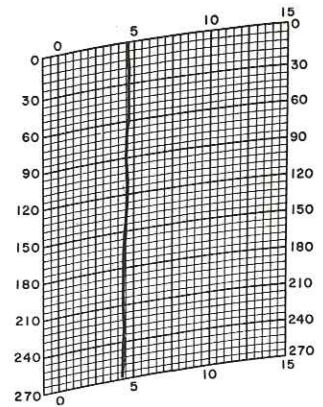
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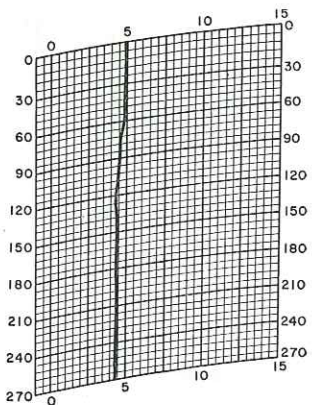
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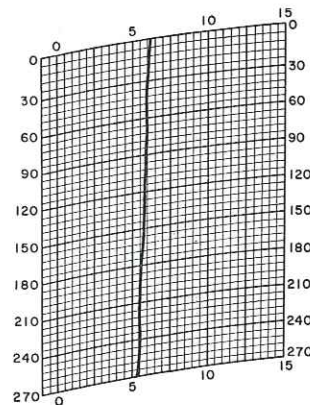
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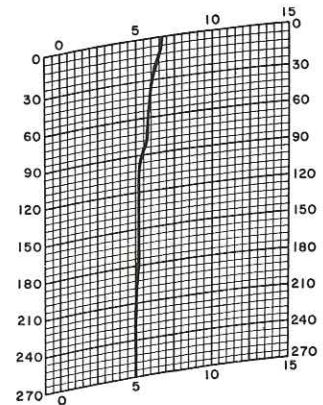
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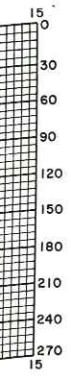
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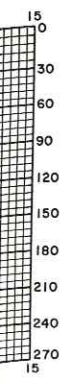
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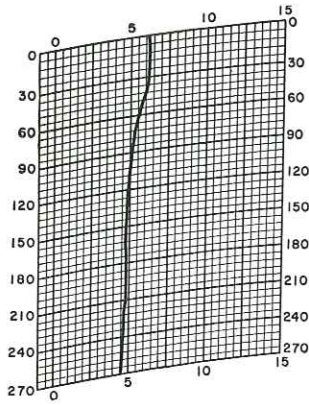
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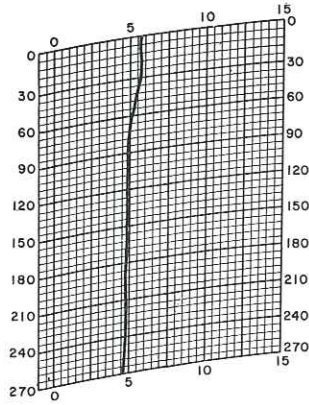
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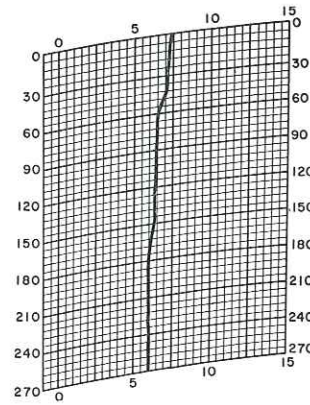
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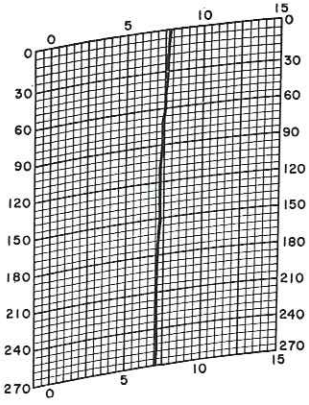
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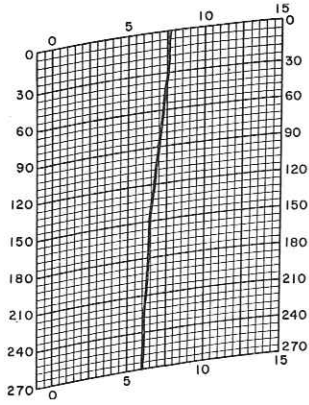
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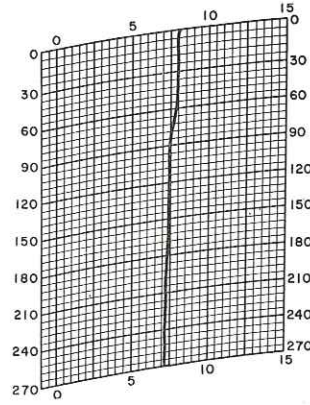
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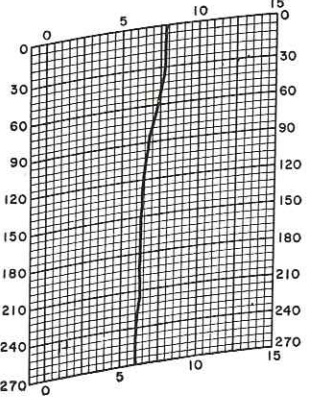
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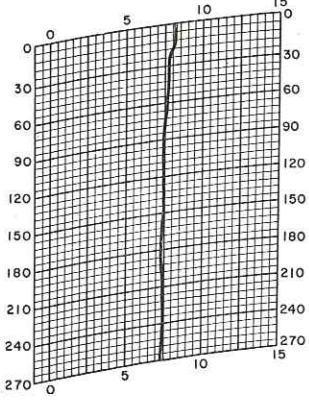
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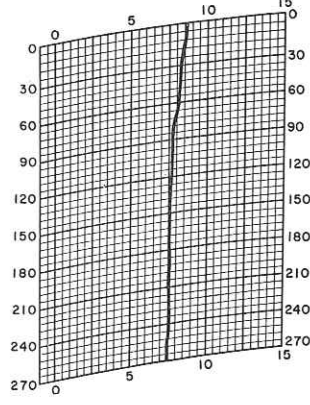
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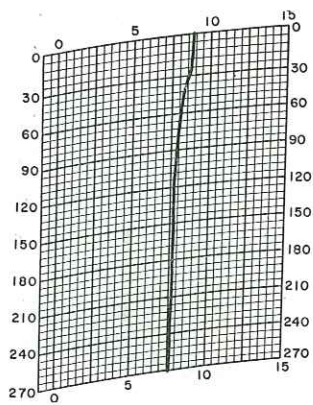
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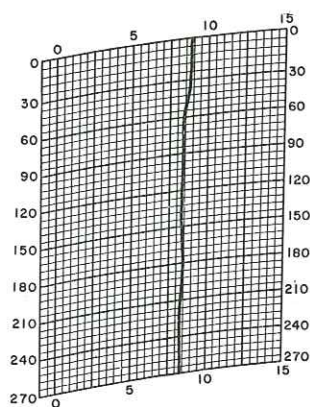
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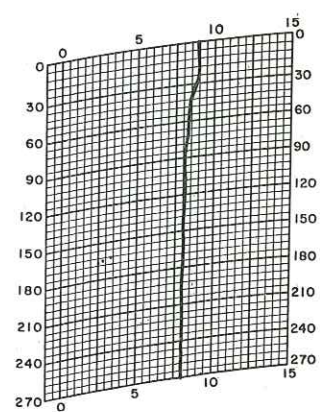
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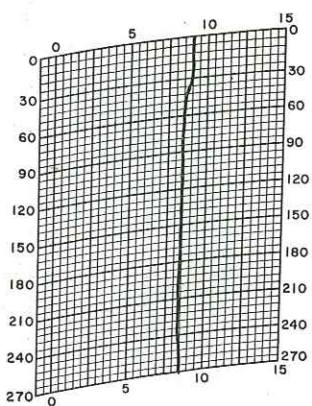
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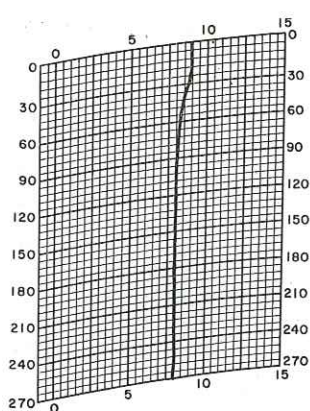
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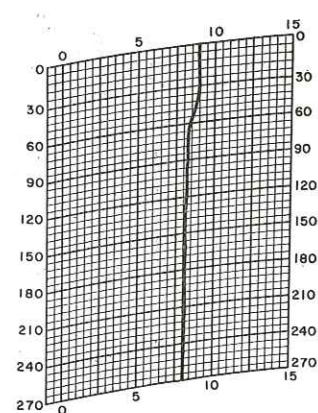
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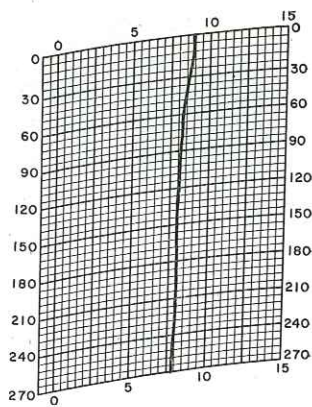
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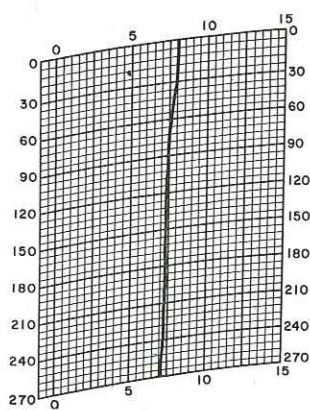
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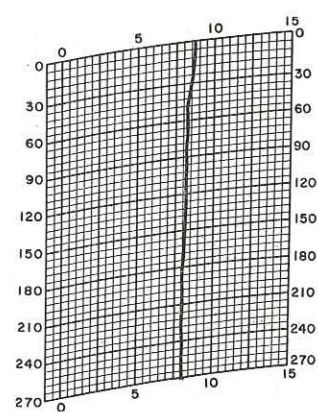
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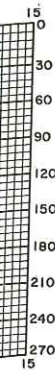
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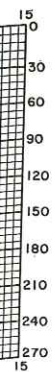
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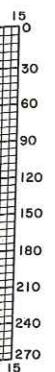
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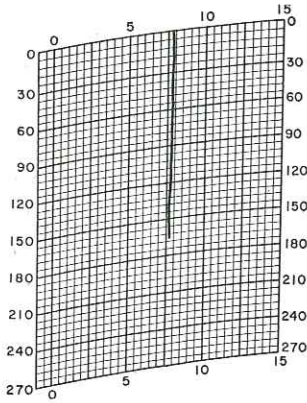
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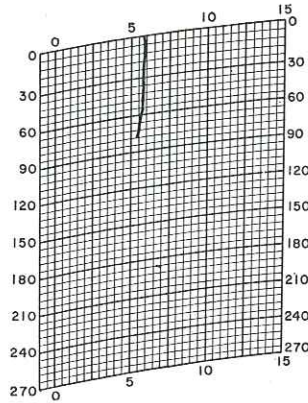
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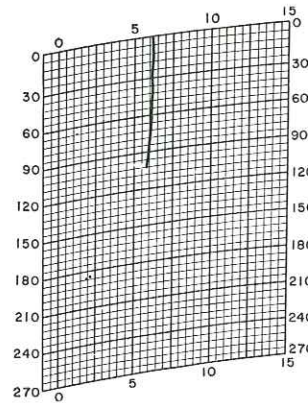
1840



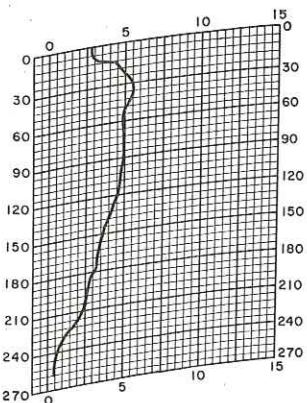
St. B/61-102 Date 17.V GMT 0150
Lat. 63°14' N Long. 24°15' W



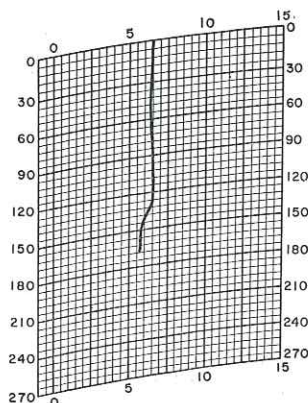
St. B/61-132 Date 25.V GMT 1155
Lat. 66°00' N Long. 24°40' W



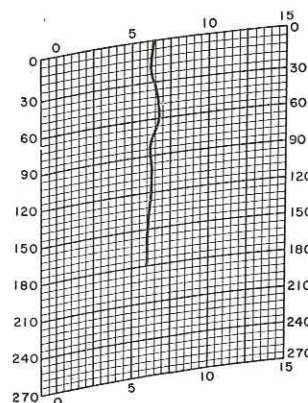
St. B/61-133 Date 26.V GMT 1540
Lat. 66°20' N Long. 23°37' W



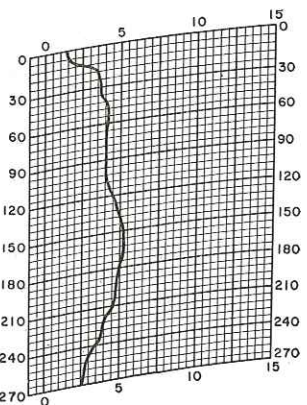
St. B/61-138 Date 27.V GMT 0635
Lat. 66°51' N Long. 24°37' W



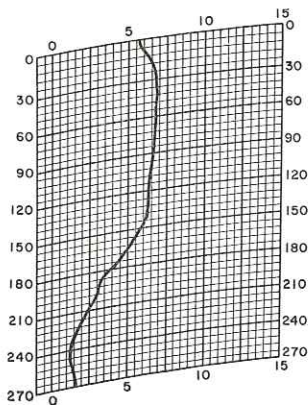
St. B/61-139 Date 27.V GMT 0930
Lat. 66°35' N Long. 24°07' W



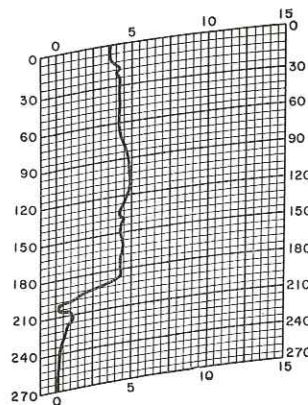
St. B/61-140 Date 27.V GMT 1720
Lat. 66°00' N Long. 26°53' W



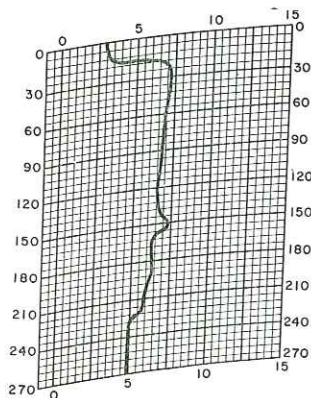
St. B/61-141 Date 27.V GMT 2045
Lat. 66°00' N Long. 26°56' W



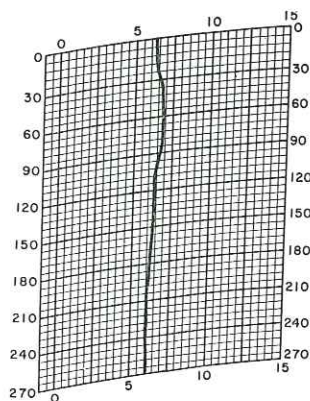
St. B/61-142 Date 28.V GMT 0220
Lat. 65°48' N Long. 28°20' W



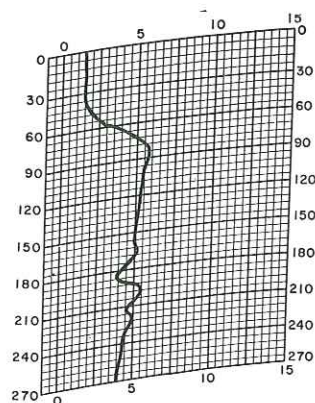
St. B/61-143 Date 28.V GMT 0545
Lat. 65°48' N Long. 29°35' W



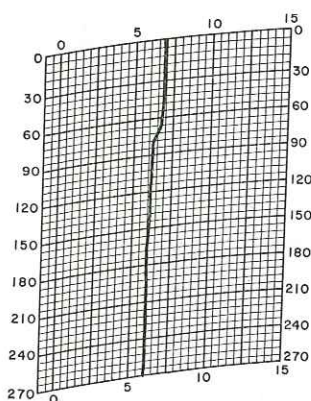
St. B/61-144 Date 28.V GMT 0810
Lat. 65°48' N Long. 30°25' W



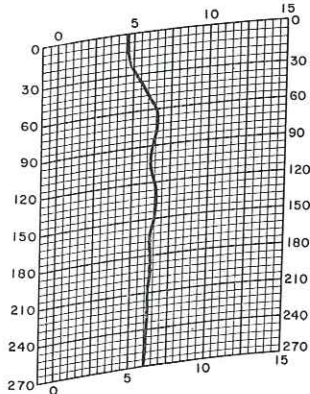
St. B/61-145 Date 28.V GMT 1505
Lat. 65°31' N Long. 31°59' W



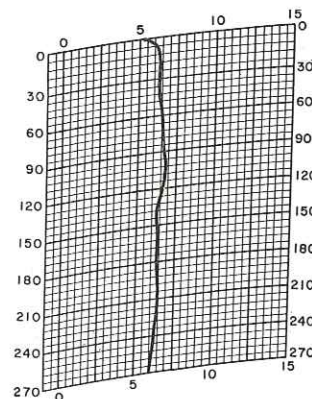
St. B/61-146 Date 28.V GMT 1845
Lat. 65°28' N Long. 33°07' W



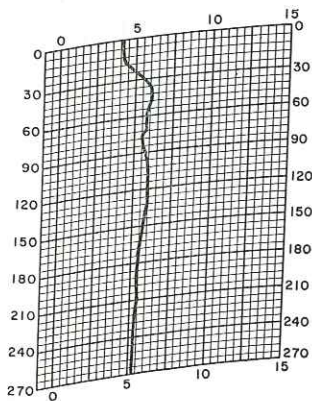
St. B/61-147 Date 28.V GMT 2220
Lat. 65°03' N Long. 33°20' W



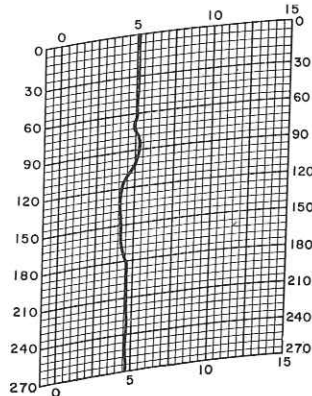
St. B/61-148 Date 29.V GMT 0110
Lat. 64°48' N Long. 34°09' W



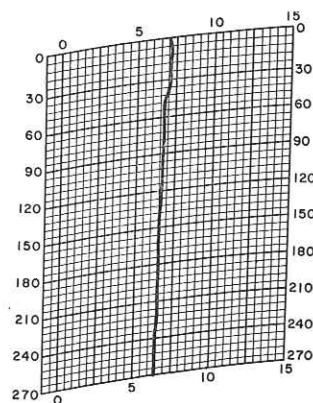
St. B/61-149 Date 29.V GMT 0345
Lat. 64°45' N Long. 35°19' W



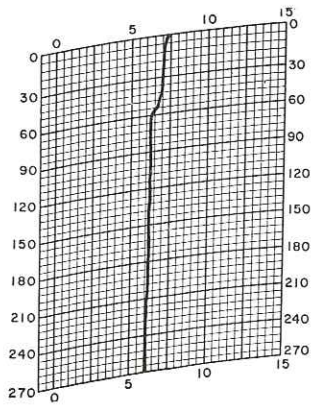
St. B/61-150 Date 29.V GMT 0705
Lat. 64°41' N Long. 36°35' W



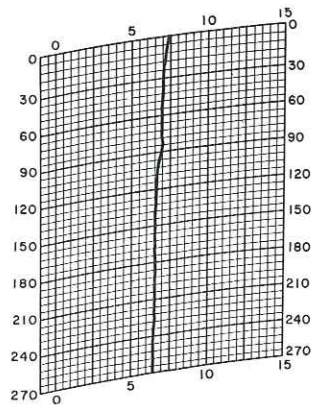
St. B/61-151 Date 29.V GMT 1010
Lat. 64°26' N Long. 36°17' W



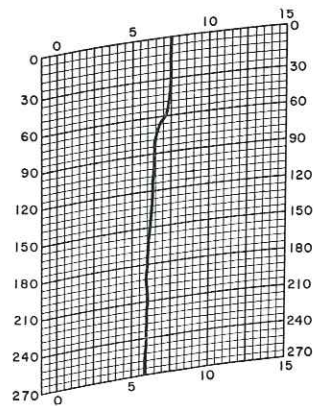
St. B/61-152 Date 29.V GMT 1335
Lat. 64°23' N Long. 35°09' W



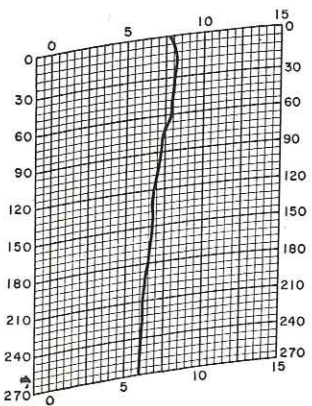
St. B/61-153 Date 29.V GMT 1720
Lat. 64°26' N Long. 33°57' W



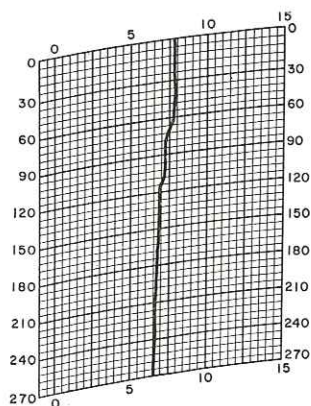
St. B/61-154 Date 29.V GMT 2100
Lat. 64°50' N Long. 33°00' W



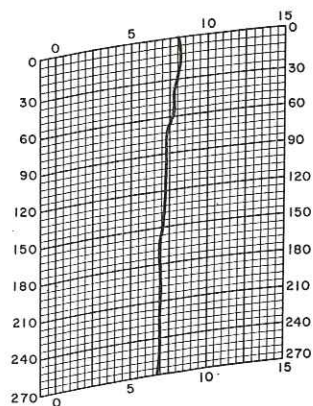
St. B/61-156 Date 30.V GMT 0425
Lat. 64°26' N Long. 30°57' W



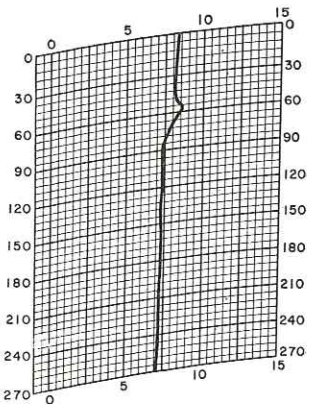
St. B/61-157 Date 30.V GMT 0800
Lat. 64°25' N Long. 29°45' W



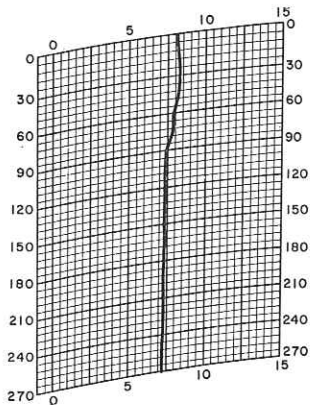
St. B/61-157a Date 30.V GMT 1100
Lat. 64°12' N Long. 29°20' W



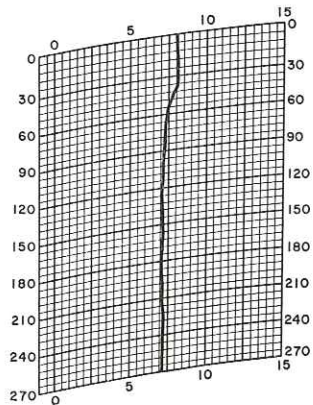
St. B/61-158 Date 30.V GMT 1315
Lat. 64°00' N Long. 28°55' W



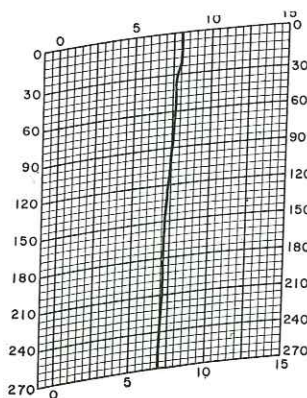
St. B/61-159 Date 30.V GMT 1745
Lat. 64°00' N Long. 28°10' W



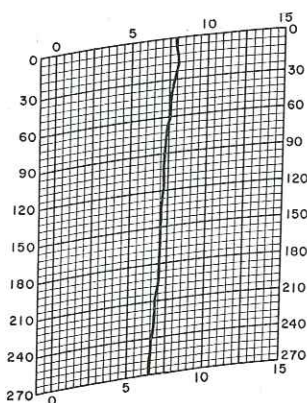
St. B/61-160 Date 30.V GMT 2035
Lat. 64°00' N Long. 27°25' W



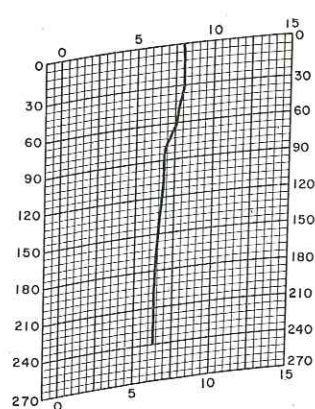
St. B/61-161 Date 30.V GMT 2210
Lat. 64°00' N Long. 27°07' W



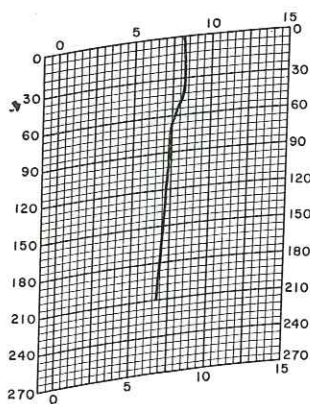
St. B/61-162 Date 31.V GMT 0015
Lat. 64°00' N Long. 26°48' W



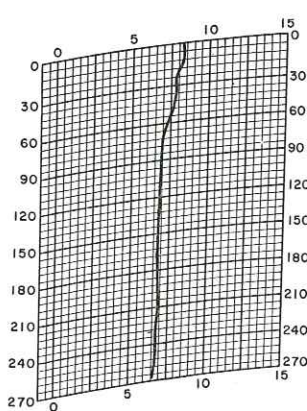
St. B/61-163 Date 31.V GMT 0235
Lat. 64°00' N Long. 26°16' W



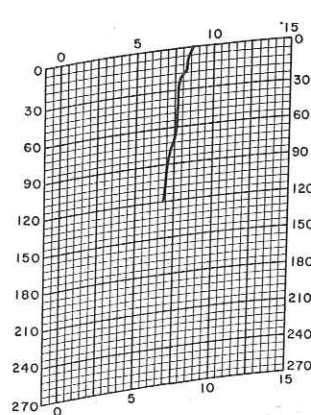
St. B/61-164 Date 31.V GMT 0505
Lat. 64°00' N Long. 25°40' W



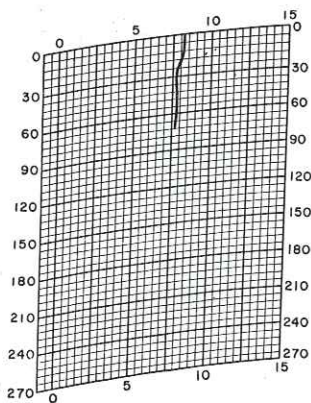
St. B/61-165 Date 31.V GMT 0710
Lat. 64°00' N Long. 25°05' W



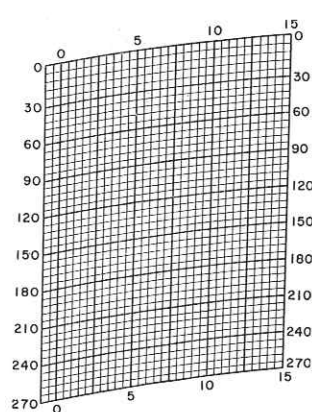
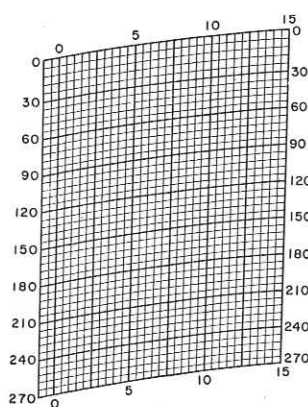
St. B/61-166 Date 31.V GMT 0830
Lat. 64°00' N Long. 24°30' W



St. B/61-168 Date 31.V GMT 1245
Lat. 64°00' N Long. 23°23' W



St. B/61-169 Date 31.V GMT 1445
Lat. 64°00' N Long. 22°50' W



V.

LIST OF HYDROGRAPHIC DATA

Station B/61-1 Date 30.IV GMT 20 20
 Lat. 63° 59' N Long. 22° 49' W Depth 54 m

Depth	t°	S‰
0	7.1	34.05
10	7.07	34.05
20	7.04	34.06
30	6.92	34.28
50	6.25	34.77

Station B/61-2 Date 30.IV GMT 22 59
 Lat. 63° 59' N Long. 23° 23' W Depth 120 m

Depth	t°	S‰
0	7.3	35.17
10	7.33	35.20
20	7.31	35.20
30	7.30	35.21
50	7.29	35.21
75	7.11	35.20
115	6.96	35.18

Station B/61-3 Date 1.V GMT 00 55
 Lat. 63° 59' N Long. 23° 57' W Depth 142 m

Depth	t°	S‰
0	7.3	35.10
10	7.32	35.20
20	7.29	35.21
30	7.24	35.21
50	7.26	35.23
75	7.23	35.23
135	6.80	35.22

Station B/61-4 Date 1.V GMT 03 10
 Lat. 63° 59' N Long. 24° 31' W Depth 375 m

Depth	t°	S‰
0	7.4	35.23
10	7.45	35.21
20	7.48	35.21
30	7.47	35.22
50	7.30	35.21
75	7.07	35.21
100	6.88	35.21
150	6.72	35.20
200	6.60	35.20
370	6.20	35.21

Station B/61-5 Date 1.V GMT 05 35
 Lat. 63° 59' N Long. 25° 05' W Depth 280 m

Depth	t°	S‰
0	7.1	35.19
10	7.13	35.17
20	7.17	35.17
30	7.09	35.18
50	6.84	35.18
75	6.82	35.19
100	6.64	35.18
150	6.48	35.18
200	6.26	35.18
275	.	35.19

Station B/61-6 Date 1.V GMT 08 10
Lat. 63° 59' N Long. 25° 39' W Depth 207 m

Depth	t°	S‰
0	6.9	35.16
10	6.93	35.17
20	6.96	35.18
30	6.96	35.18
50	6.55	35.19
100	6.66	35.18
150	6.48	35.18
200	6.23	35.18

Station B/61-7 Date 1.V GMT 11 10
Lat. 63° 59' N Long. 26° 13' W Depth 335 m

Depth	t°	S‰
0	7.2	35.22
10	7.28	35.22
20	7.29	35.22
30	7.28	35.22
50	7.05	35.22
75	6.98	35.21
100	6.99	35.22
150	6.95	35.21
200	6.88	35.21
330	6.27	35.21

Station B/61-8 Date 1.V GMT 13 25
Lat. 63° 59' N Long. 26° 48' W Depth 620 m

Depth	t°	S‰
0	7.4	35.22
10	7.41	35.22
20	7.43	35.21
30	7.38	35.21
50	7.30	35.20
75	7.16	35.20
100	7.10	35.20
150	7.16	35.21
200	7.05	35.20
300	7.00	35.19
400	6.96	35.19
500	6.76	35.19

Station B/61-9 Date 1.V GMT 15 35
Lat. 63° 59' N Long. 27° 03' W Depth 880 m

Depth	t°	S‰
0	7.5	35.23
10	7.45	35.22
20	7.40	35.21
30	7.38	35.22
50	7.36	35.21
75	7.31	35.21
100	7.20	35.20
150	7.15	35.21
200	7.11	35.21
300	7.00	35.20
400	7.01	35.20
500	6.89	35.20
600	6.76	35.19

Station B/61-10 Date 1.V GMT 17 20
Lat. 63° 59' N Long. 27° 18' W Depth 1100 m

Depth	t°	S‰
0	7.6	35.21
10	7.59	35.22
20	7.53	35.21
30	7.50	35.21
50	7.46	35.20
75	7.25	35.20
100	7.19	.
150	7.13	.
200	7.09	35.21
300	7.05	35.21
400	7.04	35.21
500	7.01	35.21
600	6.89	35.19

Station B/61-18 Date 2.V GMT 21 00
Lat. 63° 59' N Long. 36° 03' W Depth 1600 m

Depth	t°	S‰
0	5.5	35.10
10	5.60	35.09
20	5.63	35.10
30	5.58	35.10
50	5.62	35.11
75	5.60	35.10
100	5.57	35.11
150	5.58	35.10
200	5.64	35.11
300	.	35.09
400	5.44	35.10
500	5.42	35.10
600	5.06	35.06
800	4.40	35.01
1000	3.93	34.99

Station B/61-19 Date 3.V GMT 00 15
Lat. 63° 59' N Long. 36° 14' W Depth 870 m

Depth	t°	S‰
0	5.6	35.12
10	5.64	35.12
20	5.68	35.11
30	5.63	35.11
50	5.71	35.11
75	5.67	35.11
100	5.65	35.11
150	5.66	35.11
200	5.67	35.11
300	5.50	35.08
400	4.87	35.03
500	4.50	35.01
600	4.50	35.00
800	4.48	35.00

Station B/61-20 Date 3.V GMT 02 05
Lat. 63° 59' N Long. 36° 26' W Depth 340 m

Depth	t°	S‰
0	5.3	35.07
10	5.27	35.07
20	5.27	35.08
30	5.29	35.08
50	5.29	35.08
75	5.30	35.08
100	5.27	35.08
200	5.16	35.07
320	.	34.96

Station B/61-21 Date 3.V GMT 05 35
Lat. 63° 59' N Long. 37° 32' W Depth 350 m

Depth	t°	S‰
0	3.5	34.78
10	3.50	34.80
20	3.50	34.80
30	3.53	34.80
50	3.56	34.81
75	3.69	34.82
100	3.89	34.89
150	4.19	34.93
200	4.33	34.95
340	.	34.94

Station B/61-22 Date 3.V GMT 09 25
Lat. 63° 59' N Long. 38° 40' W Depth 260 m

Depth	t°	S‰
0	5.0	35.04
10	4.96	35.04
20	4.88	35.04
30	4.93	35.04
50	4.92	35.04
75	4.96	35.03
100	4.95	35.04
210	4.75	35.01

Station B/61-23 Date 3.V GMT 14 15
 Lat. 63° 24' N Long. 39° 11' W Depth —

Depth	t°	S‰
0	5.3	35.08
10	5.45	35.10
20	5.44	35.10
30	5.46	35.11
50	5.48	35.10
75	5.49	35.10
100	5.45	35.11
150	5.47	35.10
200	5.43	35.09
300	5.20	35.07
400	5.04	35.04
500	4.87	35.02
600	4.47	35.00
800	4.34	34.98
1000	3.89	34.96

Station B/61-24 Date 3.V GMT 17 35
 Lat. 63° 24' N Long. 39° 57' W Depth 270 m

Depth	t°	S‰
0	2.8	34.48
10	.	34.47
20	3.35	34.75
30	3.59	34.78
50	3.67	34.83
75	3.73	34.83
100	3.82	34.83
150	3.79	34.84
200	4.04	34.89
250	4.22	34.90

Station B/61-25 Date 3.V GMT 22 45
 Lat. 62° 45' N Long. 40° 35' W Depth 230 m

Depth	t°	S‰
0	3.3	34.71
10	3.25	34.70
20	3.25	34.69
30	3.30	34.71
50	3.31?	34.80?
75	3.81?	34.80?
100	4.19	34.88
150	4.44	34.94
220	4.50	34.96

Station B/61-26 Date 4.V GMT 01 25
 Lat. 62° 25' N Long. 40° 39' W Depth 510 m

Depth	t°	S‰
0	1.4	34.23
10	1.32	34.21
20	1.41	34.25
30	1.51	34.33
50	1.81	34.41
75	2.33	34.51
100	2.54	34.56
150	2.82	34.59
200	3.43	34.74
300	3.65	34.78
400	4.01	34.88
500	4.34	34.94

Station B/61-27 Date 4.V GMT 04 30
 Lat. 62° 00' N Long. 40° 46' W Depth —

Depth	t°	S‰
0	5.1	35.07
10	5.28	35.08
20	5.28	35.07
30	5.29	35.07
50	5.27	35.07
75	5.25	35.07
100	5.24	35.08
150	5.36	35.08
200	5.30	35.08
300	5.15	35.06
400	5.03	35.05
500	4.66	34.99
600	4.58	34.99

Station B/61-27a Date 4.V GMT 10 30
 Lat. 62° 19' N Long. 40° 42' W Depth 450 m

Depth	t°	S‰
0	3.0	.
10	2.39	34.50
20	2.42	34.50
30	2.49	34.51
50	2.82	34.63
75	3.81	34.82
100	4.57	34.97
150	5.04	35.01
200	4.98	35.02
300	5.08	35.03
440	4.50	35.01

Station B/61-28 Date 4.V GMT 12 10
Lat. 62° 19' N Long. 40° 34' W Depth 950 m

Depth	t°	S‰
0	5.1	35.08
10	5.23	35.08
20	5.25	35.08
30	5.28	35.08
50	5.29	35.07
75	5.31	35.08
100	5.24	35.07
150	5.20	35.06
200	5.18	35.06
300	4.75	35.00
400	4.71	35.00
500	4.66	35.00
600	4.68	35.00

Station B/61-29 Date 4.V GMT 15 15
Lat. 62° 26' N Long. 40° 19' W Depth —

Depth	t°	S‰
0	5.2	35.08
10	5.27	35.07
20	5.23	35.06
30	5.28	35.08
50	5.30	35.07
75	5.31	35.08
100	5.26	35.08
150	5.24	35.07
200	5.29	35.07
300	5.14	35.05
400	5.11	35.07
500	5.06	35.06
600	4.95	35.05

Station B/61-30 Date 4.V GMT 18 20
Lat. 62° 27' N Long. 39° 47' W Depth —

Depth	t°	S‰
0	4.9	35.04
20	4.95	35.04
50	4.92	35.04
75	4.91	35.04
100	.	35.03
150	4.95	35.03
200	4.91	35.04
300	4.91	35.03
400	4.90	35.02
500	4.71	35.02

Station B/61-31 Date 4.V GMT 22 45
Lat. 62° 45' N Long. 40° 00' W Depth —

Depth	t°	S‰
0	5.2	35.07
10	5.32	35.07
20	5.31	35.07
30	5.30	35.07
50	5.31	35.07
75	5.31	35.07
100	5.32	35.08
150	5.33	35.08
200	5.29	35.08
300	5.11	35.07
400	4.90	35.05
500	4.45	35.01
600	4.15	.

Station B/61-32 Date 5.V GMT 02 00
Lat. 62° 45' N Long. 39° 28' W Depth —

Depth	t°	S‰
0	5.2	35.07
20	5.29	35.07
50	5.31	35.07
100	5.34	35.07
200	5.37	35.06
300	5.32	35.05
400	5.01	35.04
500	4.79	35.02
600	4.47	34.99

Station B/61-45 Date 7.V GMT 03 20
Lat. 62° 56' N Long. 27° 30' W Depth —

Depth	t°	S‰
0	7.7	35.18
20	7.62	35.17
50	7.46	35.18
100	7.24	35.19
150	7.05	35.19
200	6.97	35.19
300	6.76	35.18
400	6.33	35.13
500	5.96	35.10

Station B/61-46 Date 7.V GMT 08 40
 Lat. 63° 23' N Long. 27° 35' W Depth —

Depth	t°	S‰
0	7.9	35.20
20	7.86	35.21
50	7.83	35.20
100	7.37	35.20
150	7.27	35.20
200	7.16	35.19
300	7.10	35.19
400	6.87	35.18
500	6.67	35.18

Station B/61-47 Date 7.V GMT 13 10
 Lat. 63° 22' N Long. 26° 24' W Depth 980 m

Depth	t°	S‰
0	7.7	35.21
20	7.60	35.20
50	7.33	35.20
100	7.04	35.20
150	7.04	35.20
200	7.00	35.19
300	6.83	35.19
400	6.68	35.17
500	6.31	35.16

Station B/61-48 Date 7.V GMT 15 40
 Lat. 63° 22' N Long. 25° 56' W Depth 450 m

Depth	t°	S‰
0	8.1	35.19
20	7.92	35.20
50	7.61	35.21
100	7.41	35.22
150	7.36	35.22
200	7.26	35.22
300	7.12	35.21
430	6.89	35.20

Station B/61-49 Date 7.V GMT 18 00
 Lat. 63° 23' N Long. 25° 22' W Depth 300 m

Depth	t°	S‰
0	8.1	35.22
20	7.72	35.21
50	7.42	35.20
100	6.89	35.20
150	6.89	35.21
200	6.74	35.20
290	6.18	.

Station B/61-50 Date 7.V GMT 23 20
 Lat. 62° 45' N Long. 26° 12' W Depth 385 m

Depth	t°	S‰
0	8.3	35.22
20	7.85	35.21
50	7.50	35.21
100	7.30	35.21
150	7.31	35.21
200	7.26	35.20
300	7.17	35.19
380	7.17	35.19

Station B/61-51 Date 8.V GMT 02 05
 Lat. 62° 45' N Long. 25° 52' W Depth 950 m

Depth	t°	S‰
0	8.2	35.23
20	8.20	35.22
50	7.74	35.22
100	7.56	35.23
150	7.45	35.23
200	7.27	35.22
300	7.20	35.22
400	7.06	35.21
500	6.81	.
600	6.66	35.18

Station B/61-52 Date 8.V GMT 03 50
Lat. 62° 45' N Long. 25° 20' W Depth 550 m

Depth	t°	S‰
0	8.2	35.26
20	8.17	35.24
50	8.00	35.24
100	7.75	35.24
150	7.64	35.24
200	7.58	35.24
300	7.43	35.25
400	7.28	35.23
540	6.99	35.22

Station B/61-53 Date 8.V GMT 09 00
Lat. 62° 00' N Long. 25° 20' W Depth 1390

Depth	t°	S‰
0	8.2	35.24
20	8.16	35.24
50	8.06	35.25
100	7.75	35.24
150	7.67	35.24
200	7.60	35.25
300	7.46	35.25
400	7.30	35.24
500	7.10	35.23

Station B/61-54 Date 8.V GMT 14 55
Lat. 61° 10' N Long. 25° 20' W Depth —

Depth	t°	S‰
0	8.6	35.23
20	8.67	35.23
50	8.49	35.23
100	7.95	35.24
150	7.84	35.25
200	7.81	35.24
300	7.74	35.25
400	7.62	35.24
500	7.48	

Station B/61-55 Date 8.V GMT 19 10
Lat. 61° 10' N Long. 26° 20' W Depth —

Depth	t°	S‰
0	8.5	
20	8.47	35.22
50	7.97	35.24
100	7.82	35.24
200	7.80	35.24
300	7.67	35.25
400	7.63	35.24
500	7.42	35.24

Station B/61-56 Date 9.V GMT 00 45
Lat. 62° 00' N Long. 26° 23' W Depth 770 m

Depth	t°	S‰
0	8.2	35.23
20	8.31	35.23
50	7.81	35.23
100	7.64	35.24
200	7.49	35.24
300	7.34	35.24
400	7.19	35.23
500	6.93	35.20

Station B/61-57 Date 9.V GMT 04 55
Lat. 62° 00' N Long. 27° 26' W Depth —

Depth	t°	S‰
0	8.0	35.18
20	8.08	35.19
100	7.39	35.19
200	7.20	35.19
300	7.20	35.19
400	7.04	35.19
500	6.81	35.20

Station B/61-58 Date 9.V GMT 10 35
Lat. 61° 10' N Long. 27° 22' W Depth 1000 m

Depth	t°	S‰
0	8.3	35.22
20	8.37	35.23
50	8.00	35.24
100	7.81	35.25
150	7.80	35.25
200	7.76	35.25
300	7.62	35.25
400	7.54	35.24
500	7.38	35.23

Station B/61-59 Date 9.V GMT 12 40
Lat. 61° 10' N Long. 27° 52' W Depth 990 m

Depth	t°	S‰
0	8.0	35.21
20	8.13	35.20
50	8.11	35.21
100	7.58	35.22
150	7.59	35.23
200	7.62	35.24
300	7.46	35.23
400	7.37	35.22
500	7.28	35.21

Station B/61-60 Date 9.V GMT 15 25
Lat. 61° 10' N Long. 28° 25' W Depth —

Depth	t°	S‰
0	8.0	35.20
20	8.00	35.20
50	8.00	35.20
100	7.72	35.20
150	7.60	35.21
200	7.57	35.21
300	7.52	35.21
400	7.40	35.21
500	7.24	35.19

Station B/61-73 Date 12.V GMT 00 00
Lat. 61° 10' N Long. 40° 08' W Depth —

Depth	t°	S‰
0	4.8	34.92
20	4.80	34.98
50	4.78	.
100	4.72	35.02
200	4.77	35.03
300	4.65	35.02
400	4.39	34.98
500	4.27	34.98

Station B/61-74 Date 12.V GMT 06 25
Lat. 61° 36' N Long. 41° 05' W Depth 260 m

Depth	t°	S‰
0	3.7	34.72
20	3.74	34.73
50	4.10	34.88
100	4.56	34.97
150	4.63	.
200	4.64	34.98

Station B/61-75 Date 12.V GMT 09 30
Lat. 61° 10' N Long. 40° 59' W Depth 1550 m

Depth	t°	S‰
0	5.1	35.03
20	5.09	35.02
50	5.12	35.05
100	5.09	35.05
200	4.99	35.04
300	4.89	35.03
400	4.80	35.02
500	4.62	35.00

Station B/61-76 Date 12.V GMT 11 15
Lat. 61° 10' N Long. 41° 22' W Depth 950 m

Depth	t°	S‰
0	0.9	33.81
20	1.63	34.17
50	3.38	34.63
100	4.59	34.95
200	4.73	34.99
300	4.65	34.99
400	4.72	34.99
500	4.70	34.99

Station B/61-77 Date 12.V GMT 15 55
Lat. 60° 28' N Long. 41° 30' W Depth —

Depth	t°	S‰
0	4.7	35.01
20	5.00	35.02
50	4.87	35.01
100	4.77	35.00
200	4.80	35.00
300	4.77	35.00
400	4.71	35.01
500	4.72	35.01

Station B/61-78 Date 13.V GMT 00 00
Lat. 60° 10' N Long. 42° 12' W Depth 740 m

Depth	t°	S‰
0	2.5	34.44
20	2.91	34.57
50	.	34.76
100	4.17	34.83
200	4.23	34.90
300	4.65	34.94
400	4.71	34.95
500	4.76	34.96

Station B/61-103 Date 22.V GMT 15 40
Lat. 64° 15' N Long. 22° 19' W Depth 26 m

Depth	t°	S‰
0	8.5	34.35
10	8.62	34.36
20	8.42	34.41

Station B/61-104 Date 22.V GMT 17 10
Lat. 64° 23' N Long. 22° 34' W Depth 76 m

Depth	t°	S‰
0	8.3	34.60
10	8.35	34.61
20	8.26	34.67
30	8.17	34.67
50	7.75	34.73
70	6.47	34.75

Station B/61-105 Date 22.V GMT 18 30
Lat. 64° 30' N Long. 22° 46' W Depth 80 m

Depth	t°	S‰
0	8.2	34.74
10	8.25	34.74
20	8.19	34.74
30	7.98	34.76
50	6.65	34.92
75	6.22	34.92

Station B/61-106 Date 22.V GMT 20 00
Lat. 64° 09' N Long. 23° 01' W Depth 55 m

Depth	t°	S‰
0	8.3	.
10	8.37	34.10
20	7.89	34.80
30	7.39	34.82
50	6.48	34.88

Station B/61-107 Date 22.V GMT 21 10
Lat. 64° 46' N Long. 23° 15' W Depth 37 m

Depth	t°	S‰
0	8.3	33.27
10	8.38	33.25
20	7.91	34.46
30	7.30	34.49

Station B/61-108 Date 22.V GMT 23 30
Lat. 64° 40' N Long. 23° 42' W Depth 110 m

Depth	t°	S‰
0	8.2	33.75
10	8.27	33.73
20	8.08	34.76
30	7.65	.
50	7.62	.
75	5.23	34.87
100	5.32	34.88

Station B/61-109 Date 23.V GMT 02 45
Lat. 64° 50' N Long. 24° 10' W Depth 96 m

Depth	t°	S‰
0	7.7	34.58
10	7.83	34.59
20	7.62	34.66
30	6.80	34.72
50	6.62	34.84
75	6.43	35.00

Station B/61-110 Date 23.V GMT 05 40
Lat. 64° 50' N Long. 24° 45' W Depth 205 m

Depth	t°	S‰
0	7.5	35.03
10	7.58	35.02
20	7.63	35.02
30	7.61	35.07
50	7.30	35.21
75	6.68	35.20
100	6.45	35.21
150	6.21	35.20
200	6.02	.

Station B/61-111 Date 23.V GMT 08 20
Lat. 64° 50' N Long. 25° 21' W Depth 160 m

Depth	t°	S‰
0	7.7	35.18
10	7.47	35.14
20	7.58	35.14
30	.	35.14
40	7.53	35.14
65	6.67	35.15
90	6.27	35.15
140	6.17	35.15

Station B/61-112 Date 23.V GMT 22 50
Lat. 64° 50' N Long. 25° 56' W Depth 190 m

Depth	t°	S‰
0	7.4	35.15
10	7.42	35.15
20	7.47	35.15
30	7.54	35.14
50	7.30	35.14
75	6.54	35.14
100	6.20	35.15
150	6.26	35.20

Station B/61-113 Date 24.V GMT 01 10
Lat. 64° 50' N Long. 26° 32' W Depth 220 m

Depth	t°	S‰
0	7.0	35.22
10	7.25	35.22
20	7.30	35.22
30	7.32	35.21
50	7.29	35.21
75	6.55	35.22
100	6.32	35.22
150	6.07	35.19
200	5.71	35.17

Station B/61-114 Date 24.V GMT 04 00
Lat. 64° 50' N Long. 27° 06' W Depth 360 m

Depth	t°	S‰
0	7.6	35.22
10	7.59	35.21
20	7.64	35.21
30	7.63	.
50	7.60	35.20
75	6.90	35.20
100	6.78	35.20
150	6.58	35.19
200	6.47	35.20
350	5.81	35.16

Station B/61-115 Date 24.V GMT 06 50 Lat. 64° 50' N Long. 27° 42' W Depth —			Station B/61-117 Date 24.V GMT 13 55 Lat. 64° 50' N Long. 28° 53' W Depth 1150 m		
Depth	t°	S‰	Depth	t°	S‰
0	7.7	35.21	0	7.9	.
10	7.75	35.21	10	8.05	35.21
20	7.80	35.22	20	7.90	35.22
30	7.78	35.22	30	7.52	35.21
50	7.83	35.21	50	7.25	35.21
75	7.71	35.22	100	7.25	35.21
100	7.30	35.21	200	7.05	35.21
150	7.16	35.21	300	6.99	35.21
200	7.12	35.22	400	6.89	35.18
300	6.93	35.22	500	6.61	35.18
400	6.71	35.20	600	6.22	35.13
500	6.59	35.18	800	5.40	35.06
600	6.22	35.13	1000	4.66	35.02
800	5.43	35.08			
1000	.	35.07			

Station B/61-116 Date 24.V GMT 10 15 Lat. 64° 50' N Long. 28° 20' W Depth 1200 m			Station B/61-118 Date 24.V GMT 19 15 Lat. 64° 50' N Long. 29° 28' W Depth 1975 m		
Depth	t°	S‰	Depth	t°	S‰
0	7.8	35.23	0	7.9	35.18
10	7.78	35.22	10	8.19	.
20	7.72	35.21	20	7.57	35.18
30	7.69	35.21	30	7.45	35.17
50	7.60	35.21	50	7.39	35.18
75	7.32	35.22	75	6.98	.
100	7.08	35.20	100	6.74	35.17
150	7.00	35.18	150	6.62	.
200	7.08	35.19	200	6.29	35.13
300	6.88	35.18	300	6.17	35.12
400	6.75	35.16	400	6.11	35.12
500	6.49	35.16	500	5.69	35.10
600	6.32	35.14	600	5.30	35.06
800	5.85	35.11	800	4.37	34.97
1000	5.10	.	1000	4.03	34.96

Station B/61-119 Date 24.V GMT 22 00
 Lat. 64° 50' N Long. 30° 04' W Depth 2250 m

Depth	t°	S‰
0	7.6	35.17
10	7.88	35.17
20	7.50	35.18
30	7.47	35.16
50	7.34	35.17
75	6.85	.
100	6.67	35.15
150	6.58	.
200	6.18	35.11
300	5.87	35.09
400	5.55	35.05
500	5.20	35.04
600	4.68	.
800	4.16	34.97
1000	4.10	34.98

Station B/61-120 Date 25.V GMT 00 45
 Lat. 64° 50' N Long. 30° 38' W Depth 2070 m

Depth	t°	S‰
0	7.8	35.20
10	7.86	35.20
20	7.72	35.18
30	7.62	35.19
50	7.55	35.18
100	7.18	35.19
200	7.00	35.19
300	6.63	35.15
400	6.50	35.15
500	6.29	35.15
600	6.10	35.13
800	5.22	35.04
1000	4.56	.

Station B/61-121 Date 25.V GMT 05 45
 Lat. 65° 30' N Long. 30° 40' W Depth 415 m

Depth	t°	S‰
0	4.6	.
10	3.46	34.03
20	4.48	34.49
30	4.93	34.68
50	6.40	.
75	6.44	.
100	6.54	35.17
150	6.28	.
200	5.71	35.10
300	4.56	35.05
400	2.61	34.97

Station B/61-122 Date 25.V GMT 08 20
 Lat. 65° 30' N Long. 30° 05' W Depth 400 m

Depth	t°	S‰
0	7.0	35.13
10	7.10	35.14
20	7.14	.
30	7.06	35.18
50	7.13	35.18
75	6.91	.
100	6.82	35.18
150	6.78	.
200	6.59	35.18
300	6.36	35.16

Station B/61-123 Date 25.V GMT 11 05
 Lat. 65° 30' N Long. 29° 28' W Depth 810 m

Depth	t°	S‰
0	6.9	34.99
10	6.94	34.98
20	6.97	34.98
30	.	35.06
50	7.05	35.18
75	6.98	.
100	6.90	35.19
150	6.89	35.18
300	7.00	35.18
400	6.84	35.18
500	6.70	35.18
600	6.73	35.18
800	6.48	35.18

Station **B/61-129** Date **26.V** GMT **04 22**
 Lat. **65° 29' N** Long. **25° 31' W** Depth **122 m**

Depth	t°	S‰
0	6.4	35.12
10	6.47	35.12
20	6.47	35.11
30	6.42	35.10
50	5.69	35.10
75	4.77	35.09
115	4.81	35.11

Station **B/61-130** Date **26.V** GMT **06 20**
 Lat. **65° 30' N** Long. **25° 12' W** Depth **90 m**

Depth	t°	S‰
0	5.7	35.04
10	5.77	35.04
20	5.76	35.04
30	5.77	35.04
50	5.70	35.03
85	5.39	35.06

Station **B/61-131** Date **26.V** GMT **08 25**
 Lat. **65° 30' N** Long. **24° 39' W** Depth **38 m**

Depth	t°	S‰
0	5.6	34.69
10	5.60	34.69
20	5.59	34.69
30	5.56	34.70

Station **B/61-134** Date **26.V** GMT **17 45**
 Lat. **66° 30' N** Long. **23° 00' W** Depth **52 m**

Depth	t°	S‰
0	5.2	34.83
10	5.27	34.83
20	5.20	34.82
30	5.12	34.85
50	5.06	34.88

Station **B/61-135** Date **26.V** GMT **19 30**
 Lat. **66° 41' N** Long. **23° 09' W** Depth **77 m**

Depth	t°	S‰
0	5.8	35.14
10	5.93	35.14
20	5.88	.
30	5.80	35.14
50	5.72	.
70	5.75	35.13

Station **B/61-136** Date **26.V** GMT **21 45**
 Lat. **66° 53' N** Long. **23° 20' W** Depth **235 m**

Depth	t°	S‰
0	5.9	34.82
10	5.55	34.96
20	6.27	35.09
30	6.40	35.14
50	6.42	35.14
75	6.33	.
100	6.26	35.13
150	6.19	35.14
230	5.05	35.08

Station **B/61-137** Date **27.V** GMT **00 05**
 Lat. **67° 05' N** Long. **23° 30' W** Depth **280 m**

Depth	t°	S‰
0	3.6	34.23
10	3.86	34.32
20	4.66	34.49
30	5.78	34.90
50	6.32	35.16
75	6.30	35.17
100	6.20	35.17
150	6.08	35.18
200	5.08	35.14
270	0.05	34.93

Station B/61-155 Date 29.V GMT 23 35
 Lat. 64° 50' N Long. 32° 12' W Depth 2220 m

Depth	t°	S‰
0	7.7	35.18
10	7.91	35.17
20	7.45	.
50	7.36	.
100	6.75	35.18
200	6.31	35.16

Station B/61-170 Date 31.V GMT 16 30
 Lat. 64° 08' N Long. 22° 46' W Depth 50 m

Depth	t°	S‰
0	8.0	34.58
10	7.98	34.59
20	7.91	34.60
30	7.79	34.69
45	7.59	34.85

Station B/61-171 Date 31.V GMT 18 15
 Lat. 64° 16' N Long. 23° 00' W Depth 85 m

Depth	t°	S‰
0	8.4	34.63
10	8.56	34.65
20	8.36	34.86
30	8.08	34.92
50	7.94	35.04
70	7.53	35.13

Station B/61-172 Date 31.V GMT 20 05
 Lat. 64° 24' N Long. 23° 14' W Depth 156 m

Depth	t°	S‰
0	8.20	34.92
10	8.26	34.92
20	8.29	34.92
30	8.08	34.95
50	7.71	35.06
75	7.39	35.17
100	7.05	35.18

Station B/61-173 Date 31.V GMT 21 40
 Lat. 64° 32' N Long. 23° 28' W Depth 137 m

Depth	t°	S‰
0	8.3	34.97
10	8.43	34.97
20	8.00	35.00
30	7.99	35.01
50	7.76	35.08
75	7.50	35.18
100	7.01	35.18
130	6.85	35.18