

Hour	Depth in Metres	Instru- ment	Corr. t° C.	S°/00	σ_t	Hour	Depth in Metres	Instru- ment	Corr. t° C.	S°/00	σ_t
Stat. 42. Aug. 19, 1912. In the open sea a few hundred metres outside the ice-edge where the observations at Stat. 41 c were taken.											
7.40 p. m.	20	R. B.	3.80	34.08	27.10	0.45 p. m.	0	B	1.2	31.31	25.10
" "	50	II	2.82	.71	.69	" "	10	R. B.	2.07	32.32*	.84
" "	75	I	3.14	.89	.80	" "	20	II	1.64	.88*	26.32
" "	100 ¹	E	2.27?	[.57]		" "	50	I	0.85	33.68	27.01
" "	200 ¹	P. N.	2.17?	.89*?	.89?	" "	100	E	-0.26	34.47	.71
7.00 "	300	P. N.	2.47?			" "	170	P. N.	-0.12	.62	.83
			1.87	.92*	.94		194		-0.12		

¹ The messenger-lead was not heard to strike deeper than at 75 metres. The line was then several times hauled up a few metres and let down again, but the striking of the messenger at 100 and 200 metres was not heard. Thus it is possible that the water-bottles at 100 and 200 metres may have been closed at some higher level during the hauling up.

Stat. 43. Aug. 20, 1912. 80° 20' N., 10° 4' E.					
1.00 p. m.	0	B	-0.6	31.13	25.03
" "	50	R. B.	-0.39	34.43	27.69
" "	100	II	1.79	.83*	.87
" "	200	I	1.83	.90	.93
" "	400	E	1.35	.91*	.97
" "	540	P. N.	1.38		
" "	565		1.51 ¹	.916*	.96

¹ The reversing thermometer did not register, and this temperature, given by the Nansen thermometer, is evidently too high, giving too low density. The hauling up of the water-bottle may have lasted so long that its insulation was spoilt, or it may have been closed at some higher level, but this seems less probable.

Stat. 44. Aug. 24, 1912. The mouth of the Ice-Fjord; about midway between northern and southern side. The fjord full of ice, the vessel was lying between the floes.

9.50 a. m.	0	B	0.8	31.88	25.58
10.20 "	5	II	1.02	.99	.70
" "	10	I	1.59	32.16	.75
" "	20	P. N.	[0.79]	.75	26.28
9.50 "	20	R. B.	0.89	.77	.25
" "	50	II	1.45	.62	33.94*
" "	100	I	-0.16	34.40	.65
" "	200	E	-0.12	.62	.82
" "	380	P. N.	0.74	.76*	.89
" "	418		0.76		

Stat. 45. Aug. 26, 1912. In Ice Fjord; near the southern side, just east of Green Harbour.

0.45 p. m.	0	B	1.2	31.31	25.10
" "	10	R. B.	2.07	32.32*	.84
" "	20	II	1.64	.88*	26.32
" "	50	I	0.85	33.68	27.01
" "	100	E	-0.26	34.47	.71
" "	170	P. N.	-0.12	.62	.83
" "	194		-0.12		

Stat. 46. Aug. 26, 1912. In Ice-Fjord; outside the mouth of Advent Bay.

3.50 p. m.	0	B	3.1	32.44*	25.85
" "	10	R. B.	2.22	33.36	26.67
" "	20	II	0.81	.84	27.14
" "	50	I	0.25	34.24	.50
" "	100	E	-0.46	.51	.76
" "	140	P. N.	[-1.09]	.56	.81
" "	159		-0.74		
" "			-0.74		

Stat. 47. Aug. 29, 1912. The mouth of Ice Fjord, near its southern side, just north of "Festningen" (cf. Stat. 7).

8.15 a. m.	0	B	1.1	32.39	25.97
" "	10	R. B.	0.51	.61	26.17
" "	20	II	0.53	33.17*	.62
" "	50	I	0.52	.95*	27.23
" "	100	E	0.85	34.43	27.68
" "	230 ¹	P. N.	0.84	[0.97] ¹	.59* ¹
" "	256		-0.24	.57 ¹	.76 ¹
" "			-0.25		

¹ The observations at this depth seem doubtful. It is strange that the readings of the Nansen thermometer and the reversing thermometer do not agree, which might indicate that the water-bottle has not been closed properly at 230 metres, but during the hauling up. The salinity (and density) is also remarkably low.