

Meteorological data from Polish Antarctic Station „H. Arctowski” for 1988

Table 2a

Meteorological data from Polish Antarctic Station “H. Arctowski” for te Ist quarter of 1988

Parameters	Month	January	February	March
Atmospheric pressure (hPa)				
— mean		993,7	991,2	988,9
— max.		1011,1 (29.01)	1005,8 (03.02)	1013,3 (31.03)
— min.		972,7 (04.01)	973,9 (24.02)	968,9 (16.03)
Temperature (°C)				
— mean		1,5	3,4	0,8
— max.		6,6 (01.01)	9,4 (11.02)	9,8 (08.03)
— min.		-1,7 (11.01)	-0,8 (08.02)	-6,1 (26.03)
Wind velocity ($m \cdot s^{-1}$)				
— mean		4,3	6,3	6,1
— number of days with wind velocity over 20 $m \cdot s^{-1}$ at 11 m above ground		2	16	14
Precipitation (mm)				
— monthly total		20,4	47,5	43,5
— number of days with precipitation		18	25	26
Snow cover thickness (cm)				
— mean		0	0	—
— max.		4	0	10
— min.		0	0	1
— number of days with snow cover		—	—	14
Sunshine				
— mean value in hours per day		2,1	4,8	1,6
Cooling				
— monthly mean		14,3	12,9	16,7
Water temperature (°C) of the Admiralty Bay at 0,5 m				
— mean		0,7	1,2	0,2
— max.		1,4 (31.01)	2,0	1,2 (08.03)
— min.		0,1 (12.01)	-0,2 (21.02)	-1,2 (22.03)
Ice phenomena in the Admiralty Bay:		icebergs, open ice floes, single growlers, brash ice	icebergs, open ice floes, single growlers, brash ice	icebergs, open ice floes, single growlers, brash ice

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Table 2b

Meteorological data from Polish Antarctic Station "H. Arctowski" for the IInd quarter of 1988

Parameters	Month	April	May	June
Atmospheric pressure (hPa)				
— mean		993,6	998,9	997,2
— max.		1013,6 (01.04)	1019,8 (24.05)	1016,5 (06.06)
— min.		959,8 (09.04)	979,3 (19.05)	968,7 (04.06)
Temperature (°C)				
— mean		-0,7	-1,4	-7,1
— max.		7,6 (15.04)	6,6 (05.05)	4,3 (01.06)
— min.		-7,7 (23.04)	-9,0 (09.05)	-18,2 (05.06)
Wind velocity ($m \cdot s^{-1}$)				
— mean		3,4	5,1	6,2
— number of days with wind velocity over $20 m \cdot s^{-1}$ at 11 m above ground		14	12	11
Precipitation (mm)				
— monthly total		25,3	25,9	55,8
— number of days with precipitation		20	22	24
Snow cover thickness (cm)				
— mean		—	—	—
— max.		13	6	115
— min.		2	1	1
— number of days with snow cover		23	16	30
Sunshine				
— mean value in hours per day		1,5	1,2	0,3
Cooling				
— monthly mean		17,0	17,7	20,4
Water temperature (°C) of the Admiralty Bay at 0,5 m				
— mean		-0,6	-1,1	-1,8
— max.		0,4 (04.04)	0,0 (04.05)	-1,4 (02.06)
— min.		-1,5 (15.04)	-6,0 (25.05)	-1,9 (05.06)
Ice phenomena in the Admiralty Bay:		icebergs, open ice floes, brash ice, single growlers	icebergs, open ice floes, brash ice, single growlers, pack ice	icebergs, open ice floes, brash ice, single growlers, shuga, grease ice, pancake ice, nilas, young ice

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Table 2c

Meteorological data from Polish Antarctic Station “H. Arctowski” for the IIIrd quarter of 1988

Parameters	Month	July	August	September
Atmospheric pressure (hPa)				
— mean		992,4	1001,2	993,6
— max.		1014,4 (25.07)	1025,3 (09.08)	1018,6 (15.09)
— min.		954,8 (23.07)	981,6 (01.08)	961,2 (25.09)
Temperature (°C)				
— mean		-5,4	-8,5	-3,2
— max.		4,5 (15.07)	4,0 (13.08)	4,2 (16.09)
— min.		-25,9 (04.07)	-18,7 (28.08)	-12,4 (03.09)
Wind velocity ($m \cdot s^{-1}$)				
— mean		5,5	5,0	5,6
— number of days with wind velocity over 20 $m \cdot s^{-1}$ at 11 m above ground		17	8	12
Precipitation (mm)				
— monthly total		32,7	6,3	26,1
— number of days with precipitation		19	20	21
Snow cover thickness (cm)				
— mean		—	—	—
— max.		131	71	79
— min.		60	65	67
— number of days with snow cover		31	31	30
Sunshine				
— mean value in hours per day		0,5	2,3	2,5
Cooling				
— monthly mean		17,2	18,1	18,8
Water temperature (°C) of the Admiralty Bay at 0,5 m				
— mean		-1,8	-1,8	-1,8
— max.		-1,7 (10.07)	-1,7	-1,7 (02.09)
— min.		-1,9 (02.07)	-1,9 (15.08)	-1,8 (01.09)
Ice phenomena in the Admiralty Bay:		icebergs, open ice floes, grow- lers, pancake ice, brash ice, nilas, shuga, young ice, grease ice	icebergs, open ice floes, grow- lers, pancake ice, brash ice, shuga, nilas, young ice, grease ice	icebergs, shuga, ice floes, brash ice, pack ice, pancake ice, nilas, young ice, grease ice

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Table 2d

Meteorological data from Polish Antarctic Station "H. Arctowski" for the IVth quarter of 1988

Parameters	Month	October	November	December
Atmospheric pressure (hPa)				
— mean		1002,2	984,4	984,6
— max.		1027,1 (26.10)	996,0 (10.11)	999,9 (06.12)
— min.		977,7 (07.10)	968,6 (07.11)	964,7 (14.12)
Temperature (°C)				
— mean		-2,8	-1,3	1,6
— max.		6,0 (03.10)	6,0 (17.11)	9,8 (30.12)
— min.		-9,5 (15.10)	-6,2 (02.11)	-5,0 (02.12)
Wind velocity ($m \cdot s^{-1}$)				
— mean		5,5	4,4	5,0
— number of days with wind velocity over 20 $m \cdot s^{-1}$ at 11 m above ground		6	5	5
Precipitation (mm)				
— monthly total		43,9	22,6	26,3
— number of days with precipitation		21	23	22
Snow cover thickness (cm)				
— mean		—	—	—
— max.		78	56	34
— min.		43	30	10
— number of days with snow cover		31	30	28
Sunshine				
— mean value in hours per day		2,2	2,2	2,7
Cooling				
— monthly mean		18,6	17,1	15,8
Water temperature (°C) of the Admiralty Bay at 0,5 m				
— mean		-1,6	-1,1	-0,2
— max.		-1,3 (12.10)	-0,5 (22.11)	0,8 (19.12)
— min.		-1,8 (13.10)	-1,5 (03.11)	-1,2 (02.12)
Ice phenomena in the Admiralty Bay:				
		icebergs, open ice floes, growlers, shuga, brash ice, pancake ice, young ice, nilas	icebergs, open ice floes, growlers, shuga, brash ice, nilas	icebergs, open ice floes, growlers, close ice floes, brash ice

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