

## Appendix

No.	Region*	Location	$\varphi$	$\lambda$	Ship/ station	Captain/ Observer	Years	No. of months	Resolu- tion of observa- tions	Comparable station	$\varphi$	$\lambda$	Period	Sources of historical data
1	Atlantic (southern)	Akseløy, Belsund Spitsbergen	77°42'N	14°50'E	station		1898.09-1905.06*	41	m	Hornsund	77°00'N	15°33'E	1979-95	Birkeland B. J. 1920. Spitsbergens klima [in:] „Illustrert maanedsskrift for populær naturvidenskap”. Naturen, 44, „Utgitt av Bergens Museum”.
2		Akseløy, Belsund Spitsbergen	77°43'N	14°10'E	station		1910.09-1911.05	9	m	Jan Mayen	72°00'N	9°24'W	1961-90	
3		Bjørnøya	74°31'N	19°01'E	station		1920.01-12	12	m	Bjørnøya	74°31'N	19°01'E	1961-90	Norwegian Meteorological Institute
4		Bjørnøya	74°31'N	19°01'E	station		1910.09-1911.05	9	m	Bjørnøya	74°31'N	19°01'E	1961-90	
5		Isfjord Radio	78°06'N	13°36'E	station		1912.01-1920.12*	103	m	Isfjord Radio	78°06'N	13°36'E	1961-90	<a href="http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=634010050010&amp;data_set=1&amp;num_neighbors=1">http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=634010050010&amp;data_set=1&amp;num_neighbors=1</a>
6		Jan Mayen	71°00'N	8°28'W	station	Lt. Emil von Wohlgemuth	1882.08.01-1883.07.30	12	h	Jan Mayen	71°00'N	8°24'W	1961-90	Wohlgemuth, E. E. Von. 1886. Österreichische Polarexpedition nach Jan Mayen. Beobachtungs-Ergebnisse. Wien: Der Kaiserliche-Königliche Hof- und Staatsdruckerei. 2 vols. III. Theil, 1 Abtheilung Meteorologie bearbeitet von Adolf Sobieczky
7		Kanin Nos	68°42'N	43°18'E	station		1915.12-1920.12*	42	m	Kanin Nos	68°42'N	43°18'E	1961-90	<a href="http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=638221650004&amp;data_set=1&amp;num_neighbors=1">http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=638221650004&amp;data_set=1&amp;num_neighbors=1</a>
8		Maiak Cwjatoi Nos (Leuchtturm von Swjatoi Noss)	68°09'N	39°79'E	station		1863.08-1865.06*	17	m	Murmansk	69°00'N	33°06'E	1961-90	Edlund O. 1928. Meteorologische und aerologische beobachtungen der Norwegischen Nowaja Semlja Expedition im Sommer 1921. pp. 55 [in:] Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya 1921. No. 39. Det Norske Videnskaps. Akademi i Oslo, Oslo, 1928. [after:] Wild G. 1882. O temperatur vozduha v Rossijskoy Imperiy. Tipografiya Imperatorskoy Akadamy Nauk, Sanktpetersburg.
9		Malye Karmakuly Novaya Zemlya	72°23'N	52°36'E	station	Lt. K. P. Andreyev	1882.09-1883.08	12	h	Malye Karmakuly	72°23'N	52°44'E	1961-90	Lenz R. (ed.). 1886. Beobachtungen der Russischen Polarstation auf Nowaya Semlja. Expedition der Kaiserl. Russischen Geographischen Gesellschaft. 2 vols. in 1.
10		Malye Karmakuly Novaya Zemlya	72°33'N	52°42'E	station		1891.11-1892.06	8	m	Malye Karmakuly	72°23'N	52°44'E	1961-90	Kirch R. 1966. Temperaturverhältnisse in der Arktis während der letzten 50 Jahre. Meteorologische abhandlungen, Band LXIX, Haft 3. Institut für Meteorologie und Geophysik der Freien Universität Berlin, verlag von Dietrich Reimer in Berlin.
11		Malye Karmakuly Novaya Zemlya	72°33'N	52°42'E	station		1897.01-1920.07*	210	m	Malye Karmakuly	72°23'N	52°44'E	1961-90	period VII-XII 1896: Kirch R. 1966. Temperaturverhältnisse in der Arktis während der letzten 50 Jahre. Meteorologische abhandlungen, Band LXIX, Haft 3. Institut für Meteorologie und Geophysik der Freien Universität Berlin, verlag von Dietrich Reimer in Berlin; and period 1897-1920: The Arctic Climatology Project, Arctic Meteorology and Climate Atlas 2000
12		Melkaya Bay (Seichte Bai), Novaya Zemlya	73°57'N	54°48'E	station	Zivolka	1838.08.27-1839.08.22	12	m	Malye Karmakuly	72°23'N	52°44'E	1961-90	Edlund O. 1928. Meteorologische und aerologische beobachtungen der Norwegischen Nowaja Semlja Expedition im Sommer 1921. pp. 55 [in:] Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya 1921. No. 39. Det Norske Videnskaps. Akademi i Oslo, Oslo, 1928. [after:] Wild G. 1882. O temperatur vozduha v Rossijskoy Imperiy. Tipografiya Imperatorskoy Akadamy Nauk, Sanktpetersburg.
13		Sajazkie Insel (Haseninsel), Novaya Zemlya	75°55'N	59°00'E	station	Sievert Tobiesen	1872.10.01-1873.05.18	8	m	Russkaya Gavan	76°11'N	63°34'E	1961-90	Edlund O. 1928. Meteorologische und aerologische beobachtungen der Norwegischen Nowaja Semlja Expedition im Sommer 1921. pp. 55 [in:] Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya 1921. No. 39. Det Norske Videnskaps. Akademi i Oslo, Oslo, 1928
14		St. Phokas Bay, Novaya Zemlya	76°59'N	59°55'E	station	Sedoff	1912.09.26-1913.09.03	11	m	Russkaya Gavan	76°11'N	63°34'E	1961-90	Edlund O. 1928. Meteorologische und aerologische beobachtungen der Norwegischen Nowaja Semlja Expedition im Sommer 1921. pp. 55 [in:] Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya 1921. No. 39. Det Norske Videnskaps. Akademi i Oslo, Oslo, 1928
15		Storøy, Sydkap Spitsbergen	76°30'N	16°30'E	station		1908.09-1909.07	11	m	Hornsund	77°00'N	15°33'E	1979-95	Birkeland B. J. 1920. Spitsbergens klima [in:] „Illustrert maanedsskrift for populær naturvidenskap”. Naturen, 44, „Utgitt av Bergens Museum”.
16		Storøy, Sydkap Spitsbergen	76°30'N	16°30'E	station		1911.08-1912.07	12	m	Hornsund	77°00'N	15°33'E	1979-95	
17		Storøy, Sydkap Spitsbergen	76°30'N	16°30'E	station		1914.09-1915.09	13	m	Hornsund	77°00'N	15°33'E	1979-95	
18	Atlantic (northern)	Adventbai Spitsbergen	78°13'N	15°38'E	station		1916.11-1917.09	11	m	Svalbard Lufthavn	78°18'N	15°30'E	1961-90	Birkeland B. J. 1920. Spitsbergens klima [in:] „Illustrert maanedsskrift for populær naturvidenskap”. Naturen, 44, „Utgitt av Bergens Museum”.
19		Andersonsøy Spitsbergen	78°20'N	20°44'E	station		1894.09-1895.05	9	m	Svalbard Lufthavn	78°18'N	15°30'E	1961-90	
20		Cape Flora, Franz Josef Land	79°56'N	49°30'E	station	Mr. Leigh Smith	1881.10-1882.05	7	m	Nagurskaya	80°48'N	47°38'E	1961-90	Hann J. Einige. 1904. Ergebnisse der meteorologischen Beobachtungen auf Franz Josefs-Land zwischen 1872 und 1900. Aus: Meteorologische Zeitschrift, p. 547-555 [after:] Second Voyage of the 'Eira' to Franz-Josef Land [in:] Proceedings of the Royal Geographical Society and Monthly Record of Geography, vol. 1883, No. 4, pp. 204-228.
21	Cape Flora, Franz Josef Land	79°50'N	49°41'E	“Elmwood Hous” station, ship “Windward”	Jackson- Harmsworth Polar Expedition/ Albert B. Armitage (obs.)	1894.10-1896.10	25	every 2 hours	Nagurskaya	80°48'N	47°38'E	1961-90	Hann J. Einige. 1904. Ergebnisse der meteorologischen Beobachtungen auf Franz Josefs-Land zwischen 1872 und 1900. Aus: Meteorologische Zeitschrift, p. 547-555 [after:] Some results of meteorological observations made at Cape Flora, Franz Josef Land. By Mr. Strachan, Meteorological Office, London. [in:] Jackson, Frederick George. A thousand days in the Arctic. With a preface by Admiral Sir Francis Leopold McClintock. London and New York: Harper and Brothers, 1899. 2 vols.	

22	Atlantic (northern)	Cape Flora Northbrook Island Franz Josef Land	79°57'N 50°05'E	"Elmwood Hous" station	W. J. Peters F. Long	1904.05.21-1905.0 7.30	14	8,12,20	Nagurskaya	80°48'N 47°38'E	1961-90	Krzysztof Rososiński. Stosunki termiczno-opadowe w Cape Flora na Ziemi Franciszka Józefa w okresie 21.05.1904 – 30.07.1905. praca mgr 2006 (in Polish) [after:] Fleming John A. (ed.). The Ziegler Polar expedition 1903-05. Scientific results obtained under the direction of William J. Peters. Washington: National Geographic Society, 1907. 630p., data: p. 369-487, Section C: Meteorological Observations and Compilations by W. J. Peters and J.A. Fleming.	
23		Franz Josef Land	79°43'N 79°51'N	59°33'E 58°56'E	Tagethoff	Karl Weyprecht	1872.08-1874.04	21	m'	O. Heisa	80°37'E 58°03'E	1961-90	Hann, J. Einige. 1904. Ergebnisse der meteorologischen Beobachtungen auf Franz Josefs-Land zwischen 1872 und 1900. Aus: Meteorologische Zeitschrift, p. 547-555 [after:] Wullerstorf-Urbair, Bernard von. Die meteorologischen Beobachtungen und die Analyse des Schiffcurses Während der Polarexpedition unter Weyprecht und Payer, 1872-74. Kaiserliche Akademie der Wissenschaften, Denkschriften. Mathematisch-naturwissenschaftlich Classe, 1878. Band 35, p. 1-25.
24		Halvmaanesøy Spitsbergen	77°17'N 23°05'E	station			1906.10-1907.08	11	m'	Hopen	76°30'N 25°06'E	1961-90	Birkeland B. J. 1920. Spitsbergens klima. [in:] „Illustrert maanedsskrift for populær naturvidenskap". Naturen, 44, „Utgit av Bergens Museum".
25		Harmsworth Hous Cape Tegethoff Franz Josef Land	80°06'N 58°52'E	station	Harmsworth Hous	Wellmann	1898.08-1899.07	12	every 2 hours	O. Heisa	80°37'E 58°03'E	1961-90	Hann, J. Einige. 1904. Ergebnisse der meteorologischen Beobachtungen auf Franz Josefs-Land zwischen 1872 und 1900. Aus: Meteorologische Zeitschrift, p. 547-555 [after:] Met. Obser. of the socond Wellmann Expedition by Evelyn B. Baldwin. Observer Weather Bureau, Report of the Chief of the Weather Bureau 1889-1900. Part VII, Washington 1901. p. 349-436
26		Hvalfiskpynt Spitsbergen	77°30'N 21°00'E	station			1904.11-1909.07*	29	m'	Hopen	76°30'N 25°06'E	1961-90	
27		Hvalfiskpynt Spitsbergen	77°30'N 20°55'E	station			1894.09-1895.06	10	m'	Hopen	76°30'N 25°06'E	1961-90	Birkeland B. J. 1920. Spitsbergens klima [in:] „Illustrert maanedsskrift for populær naturvidenskap". Naturen, 44, „Utgit av Bergens Museum".
28		Kap Lee, Spitsbergen	78°06'N 20°55'E	station			1904.09-1905.08	12	m'	Svalbard Lufthavn	78°18'N 15°30'E	1961-90	
29		Kapp Thorsden Spitsbergen	78°28'N 15°42'E	station		Prof. Niis Ekholm	1882.08.15-1883.0 8.23	13	h	Svalbard Lufthavn	78°18'N 15°30'E	1961-90	Ekholm N.G. 1890. Observations faites au Cap Thorsden, Spitzberg, par l'expédition suédoise. Stockholm: Kongl. Boktryckeriet. P.A. Norstedt & Söner. 2 vols.
30		Kapp Thorsden Spitsbergen	78°28'N 15°43'E	station			1872.10-1873.03	6	m'	Svalbard Lufthavn	78°18'N 15°30'E	1961-90	
31		Mosselbai Spitsbergen	79°53'N 16°04'E	station			1872.08-1873.09	14	m'	Ny Ålesund	78°56'N 11°56'E	1975-95	Birkeland B. J. 1920. Spitsbergens klima [in:] „Illustrert maanedsskrift for populær naturvidenskap". Naturen, 44, „Utgit av Bergens Museum".
32		Nansen's Winter Hous, Franz Josef Land	81°13'N 55°02'E	station		Fridthjof Nansen	1895.09-1896.07	11	m'	O. Rudolfa	81°48'E 57°58'E	1961-90	Hann, J. Einige. 1904. Ergebnisse der meteorologischen Beobachtungen auf Franz Josefs-Land zwischen 1872 und 1900. Aus: Meteorologische Zeitschrift, p. 547-555 Überwinterung von Fridthjof Nansen im nördlichen Teile von Frany Josefs-Land 1894-95. Die Temperaturmittel und Extreme sind mitgeteilt in Nansen's Werke In Nacht und Eis, Bd. II. Hr. Prof. Mohn, hatte, wie schon oben bemerkt, die Gü, mir alle Beobachtungsergebnisse mitzuteilen.
33		Svalbard Lufthavn (homogenized data) Spitsbergen	78°18'N 15°30'E	station			1911.12-1920.12	109	m'	Svalbard Lufthavn	78°18'N 15°30'E	1961-90	Norwegian Meteorological Institute
34		Tepplitz Bay, Rudolph Island, Franz Josef Land	81°47'N 57°56'E	station		Umberto Cagni	1899.08.11-1900.0 8.12	13	h	O. Rudolfa	81°48'E 57°58'E	1961-90	Tomasz Uzarski. Stosunki termiczne i nefologiczne w Tepplitz Bay (Wyspa Rudolfa, Ziemia Franciszka Józefa) w okresach 11.08.1899 – 12.08.1900 i 1.09.1903 – 30.04.1904. praca mgr 2006 (in Polish) [after:] Umberto Cagni and Luigi Amedeo di Savoia. Osservazioni Scientifiche eseguite durante La Spedizione Polare di S.A.R. Luigi Amedeo di Savoia, Duca degli Abruzzi, 1899-1900 (Italian). Milano: Ulrico Hoepli, 1903. 723p., Data: p. 223-415, Relazione sulle osservazioni meteorologiche fatta dal Prof. Giovanni Battista Rizzo w: Osservazioni scientifiche eseguite durante La Spedizione Polare di S.A.R. Luigi Amedeo di Savoia, Duca Degli Abruzzi, 1899-1900
35		Tepplitz Bay, Rudolph Island, Franz Josef Land	81°47'N 57°56'E	station		W.J. Peters F. Long	1903.09.01-1904.0 4.30	8	h	O. Rudolfa	81°48'E 57°58'E	1961-90	Tomasz Uzarski. Stosunki termiczne i nefologiczne w Tepplitz Bay (Wyspa Rudolfa, Ziemia Franciszka Józefa) w okresach 11.08.1899 – 12.08.1900 i 1.09.1903 – 30.04.1904. praca mgr 2006 (in Polish) [after:] Fleming, John A. (ed.). The Ziegler Polar expedition 1903-05. Scientific results obtained under the direction of William J. Peters, Washington: National Geographic Society, 1907. data. p. 369-487, Section C: Meteorological Observations and Compilations by W. J. Peters and J.A. Fleming.

36	Atlantic (northern)	Treurenberg Spitsbergen	79°55'N	16°51'E	station	Jaderin Edvard	1899.08.01-1900.08.15	13	h	Ny Ålesund	78°56'N	11°56'E	1975-95	Jacek Dzierzawski Stosunki termiczno-wilgotnościowe w Zatoce Treurenberg i na Masywie Olimp (NE Spitsbergen) w okresie 1.08.1899 – 15.08.1900. praca mgr 2004 (in Polish) [after:] Westman J. 1904. Physique terrestre. Meteorologie. Histoire naturelle. Sieme section. Meteorologie. A. Observations a la station d'hivernage. Observations meteorologiques faites en 1889-1901 a la Baie de Treurenberg. Spitzberg [in:] Jaderin, Edvard. leader. Missions scientifiques pour la mesure d'un arc de meridian au Spitzberg entreprises en 1889-1900 sous les auspices des gouvernements russe et suedois: Mission suedoise. T.2. Physique terrestre, meteorologie, historie naturelle. Sect. 7-8. Stockholm: Aktiebolaget Centraltryckeriet, 2 (8A): ss. 218	
37		Waigatz	70°24'N	58°48'E	station		1914.08-1920.12*	62	m'	Bolvanskiy Nos	70°27'E	59°04'E	1961-90	<a href="http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=222230220010&amp;data_set=1&amp;num_neighbors=1">http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=222230220010&amp;data_set=1&amp;num_neighbors=1</a>	
38		Zieglerøy Spitsbergen	77°20'N	22°02'E	station		1904.10-1905.06	9	m'	Hopen	76°30'N	25°06'E	1961-90	Birkeland B. J. 1920. Spitsbergens klima [in:] „Illustrert maanedsskrift for populær naturvidenskap”. Naturen, 44. „Utgit av Bergens Museum”.	
39	Atlantic (western)	Angmagssalik Greenland	65°37'N	37°16'W	station		1895.01-1920.12	312	m'	Angmagssalik	65°37'N	37°16'W	1961-90	World Weather Records	
40		Angmagssalik Greenland	65°37'N	37°16'W	station		1884.10-1885.05	8	every 2 hours	Angmagssalik	65°37'N	37°16'W	1961-90	L'Institut Météorologique de Danemark. 1889-1893. Exploration Internationale des Régions Arctiques, 1882-1883. Expédition danoise. Observations faits à Godthaab. København: Chez G.E.C. Gad. Librairie de L'Université. 2 vols.	
41		Danmarks-Havn Greenland	76°46'W	18°41'W	station		1906.08.17-1908.05.31	21	h	Danmarks-havn	76°42' N	18°54'W	1961-90	hourly data: Brand W., 1912. Stündliche Werte des Luftdrucks und der Temperatur am Danmarks-Havn, Meddelelser om Grønland, 14(5), København 1914, 357-445. fixed data: Wegener A. 1911. Meteorologische Terminbeobachtungen am Danmarks-Havn, Meddelelser om Grønland, 14(4), København 1914, 125-355.	
42		Pustervig, Greenland	76°57'N	21°01'W	station		1908.10-1909.05*	7	h	Danmarks-havn	76°42' N	18°54'W	1961-90	Brand W., Wegener A., 1912. Meteorologische Beobachtungen der Station Pustervig [in:] Meddelelser om Grønland, 42(6), København 1914, 447-562.	
43	Atlantic (eastern)	Dudinka	69°24'N	86°12'E	station		1906.08-1920.12*	171	m'	Dudinka	69°24'N	86°12'E	1961-90	<a href="http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=222230740000&amp;data_set=1&amp;num_neighbors=1">http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=222230740000&amp;data_set=1&amp;num_neighbors=1</a>	
44		Kamenka Bay (Felsenbei), Novaya Zemlya	70°37'N	57°31'E	station	Pakhtusov	1832.08.23-1833.07.23	12	every 2 hours	Bolvanskiy Nos	70°27'E	59°04'E	1961-90	Jaapjan Zeeberg. 2001. Climate and glacial history of the Novaya Zemla Archipelago, Russian Arctic with notes on the region's history of explorations. Rozenberg Publisher [after:] Wild G. 1882. O temperatur vozduha v Rossiyskoy Imperiy. Tipografiya Imperatorskoy Akadamiy Nauk, Sanktpetersburg	
45		Kara Sea			drift	"Varna"	Dr Maurits Snellen	1882.08.01-1883.08.25	12	every 4 h, h	Mys Kharasavey	71°08 N	66°45'E	1961-87	Snellen M., Ekama H. 1910. Rapport sur l'Expédition Néerlandaise qui a hiverné dans la Mer de Kara en 1882/83. Utrecht: J. Van Boekhoven.
46		Kara Sea			drift	"Dijmphna"		1882.08.04-1883.10.30	14	every 4 h, h	Mys Kharasavey	71°08 N	66°45'E	1961-87	
47		Matochkin Shar Novaya Zemlya	73°19'N	56°00'E	station	Pakhtusov, Zivolka	1834.09.08-1835.09.02	12	every 2 hours	Bolvanskiy Nos	70°27'E	59°04'E	1961-90	Jaapjan Zeeberg. 2001. Climate and glacial history of the Novaya Zemla Archipelago, Russian Arctic with notes on the region's history of explorations. Rozenberg Publisher [after:] Wild G. 1882. O temperatur vozduha v Rossiyskoy Imperiy. Tipografiya Imperatorskoy Akadamiy Nauk, Sanktpetersburg	
48		Ostrov Dikson	73°30'N	8°24'E			1916.09-1920.08	48	m'	Ostrov Dickson	73°30'N	8°24'E	1961-90	<a href="http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=222206740006&amp;data_set=1&amp;num_neighbors=1">http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=222206740006&amp;data_set=1&amp;num_neighbors=1</a>	
49	Siberian	Cape Cheluskin	77°32'N	105°40'E	"Maud"	H. U. Sverdrup	1918.09-1919.09	11	8,14,20	Mys Cheluskin	77°43'N	104°18'E	1961-90	Sverdrup H. U. 1930. Meteorology, Part II, Tables [in:] The Norwegian North Polar Expedition with the "Maud" 1918-1925. Scientific results, Vol. III, Part II. Published by: Geofysisk Institutt, Bergen, in co-operation with other institutions. Bergen, A. S. John Griegs Boktrykker.	
50		Ayon Island	69°52'N	167°52'E	"Maud"	H. U. Sverdrup	1919.09-1920.06	9	8,14,20	Ayon	69°56'N	167°52'E	1961-90		
51		Nijni-Kolymsk	69°N	159°E	station		1820-1824 (exact period is unknown)	10	m'	Bukhta Ambarchik	69°38'N	160°18'E	1961-90	F. v. Wrangel. 1839. Reise längst der Nordküste von Siberien und auf dem Eismeere in den Jahren 1820-24. Berlin [after:] Hildebrandson, H. Hildebrand. Observations Meteorologiques faites par l'expédition de la Vega du Cap Nord a Yokohama par le Detroit Behring. Stockholm, 1882? Extrait des 'Vega-expeditionens vetenskapliga iakttagelsar', vol. 1. Stockholm 1882. p. 578-579	
52		Sagastyr	73°22'N	124°05'E	station	Lt. N. Jourgens	1882.09.01-1884.06.30	22	h	Sagyllah Ary	73°09'N	128°54'E	1962-90	Lenz R. (ed.), 1886. Beobachtungen der Russischen Polarstation an der Lenamündung. Expedition der Kaiserl. Russischen Geographischen Gesellschaft. 3 vols. in 1. II. Theil. Meteorologische Beobachtungen bearbeitet von A. Eigner	
53		Oustiansk	71°N	135°N	station		1820-24 (exact period is unknown)	11	m'	Kazachie	70°45'N	136°13'E	1961-90	F. v. Wrangel. 1839. Reise längst der Nordküste von Siberien und auf dem Eismeere in den Jahren 1820-24. Berlin After: Hildebrandson, H. Hildebrand. Observations Meteorologiques faites par l'expédition de la Vega du Cap Nord a Yokohama par le Detroit Behring. Stockholm, 1882? Extrait des 'Vega-expeditionens vetenskapliga iakttagelsar', vol. 1. Stockholm 1882. s. 578-579	

54	Pacific	Anadyr	64°48'N 177°36'E	station		1898.09-1920.12 <sup>a</sup>	215	m'	Modern data (1961-1990) for historical sites have been interpolated (kriging method) based on temperature data taken from adjacent meteorological stations.	<a href="http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=222255630007&amp;data_set=1&amp;num_neighbors=1">http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=222255630007&amp;data_set=1&amp;num_neighbors=1</a>
55		Barrow	71°21'N 156°17'W	station	Commander Rochfort Maguire	1852.09-1854.07	22	h		Strachan R. Contributions to Our Knowledge of the Meteorology of the Arctic Regions. Authority of the Meteorology: London; Part I (1879), Part II (1880), Part III (1882), Part IV (1885), Part V (1888).
56		Barrow	71°17'N 156°40'W	station	Lt. P. Henry Ray	1881.11.01-1883.08.27	24	h		Ray P.H. 1885. Report of the International Polar Expedition to Point Barrow, Alaska. Washington, D.C., Government Printing Office.
57		Barrow	71°23'N 156°17'W	station		1901.09-1904.04	32	m'		
58		Barrow	71°23'N 156°17'W	station		1910.09-1911.12	16	m'		World Weather Records 1934
59		Barrow	71°23'N 156°17'W	station		1915.12-1920.12 <sup>a</sup>	19	m'		
60		Chamiso Island, Emma Harbour	66°13'N 161°46'W	station	T.E.L. Moore	1849.08-1850.07	12	h		Strachan R. Contributions to Our Knowledge of the Meteorology of the Arctic Regions. Authority of the Meteorology: London; Part I (1879), Part II (1880), Part III (1882), Part IV (1885), Part V (1888).
61		Kotzebue	66°52'N 162°38'W	station		1897.09-1904.11 <sup>a</sup>	67	m'		<a href="http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=425701330000&amp;data_set=1&amp;num_neighbors=1">http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=425701330000&amp;data_set=1&amp;num_neighbors=1</a>
62		Mys Uelen	66°12'N 169°48'W	station		1918.10-11	2	m'		<a href="http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=222253990002&amp;data_set=1&amp;num_neighbors=1">http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=222253990002&amp;data_set=1&amp;num_neighbors=1</a>
63		Nome	64°30'N 165°26'W	station		1906.12-1920.12 <sup>a</sup>	168	m'		<a href="http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=425702000000&amp;data_set=1&amp;num_neighbors=1">http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=425702000000&amp;data_set=1&amp;num_neighbors=1</a>
64		Pitlekaie, Tchukotka Peninsula	67°05'N 173°23'W	station	Nordenskiöld	1878.10.01-1879.07.17	10	every 4 h, h		Hildebrandsson, H. Hildebrand. 1882?. Observations Meteorologiques faites par l'expedition de la Vega du Cap Nord a Yokohama par le Detroit Behring. Stockholm. [after:] Nordenskiöld, Nils Adolf Erik, ed. 'Vega-expeditionens vetenskapliga iakttagelser', vol. 1. Stockholm 1882. p. 578-579. Stockholm: F. & G. Beijers forlag, 1882-87. 5 vols.
65		Port Clarence	65°05'N 165°30'W	station	T.E.L. Moore	1850.09-1851.07	33	h		
66		Port Providence	64°26'N 173°00'W	station	T.E.L. Moore	1848.10-1849.06	9	h		Strachan R. Contributions to Our Knowledge of the Meteorology of the Arctic Regions. Authority of the Meteorology: London; Part I (1879), Part II (1880), Part III (1882), Part IV (1885), Part V (1888).
67		Churchill	58°44'N 94°04'W	station		1884.10-1890.12 <sup>a</sup>	74	m'		<a href="http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=403719130006&amp;data_set=1&amp;num_neighbors=1">http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=403719130006&amp;data_set=1&amp;num_neighbors=1</a>
68		Churchill	58°44'N 94°04'W	station		1895.01-1910.12 <sup>a</sup>	143	m'		
69		Canadian (southern)	Fort Hope, Repulse Bay	66°32'N 86°56'W	station	Dr. John Rae	1846.09-1847.07	11		6,12,18
70	Fort Hope, Repulse Bay		66°32'N 86°56'W	station	Dr. John Rae	1853.09-1854.07	11	8,14,20		
71	Hudson Strait		drift	"Terror"	Sir George Back	1836.08-1837.07	12	every 2 hours		
72	Kingua Fjord Baffin Island		66°36'N 67°19'W	station	Dr W. Giese	1882.10.16-1883.10.10	13	h	Neumayer G., Börgen. 1886. Die Beobachtungs-Ergebnisse der Deutschen Stationen. Berlin: Verlag von A. Asher & Co. 2 vols. Band I. Kingua-Fjord und die meteorologischen Stationen II. Ordnung in Labrador; Hebron, Okak, Nain, Zoar, Hoffenthal, Rama, sowie die magnetischen Observationen in Breslau und Göttingen.	
73	Winter Island		66°11'N 83°10'W	"Hecla" "Fury"	Sir W.E. Parry	1821.08-1822.07	12	every 2 hours	Strachan R. Contributions to Our Knowledge of the Meteorology of the Arctic Regions. Authority of the Meteorology: London; Part I (1879), Part II (1880), Part III (1882), Part IV (1885), Part V (1888).	
74	York Factory		57°00'N 92°26'W	station		1814.10-1816.06 <sup>a</sup>	12	m'	Blodet L. 1875. Climatology of the United States and of the Temperate Latitude of the North American Continent, J. B. Lippinott, Philadelphia.	
75	York Factory		57°00'N 92°26'W	station		1821.11-1832.05 <sup>a</sup>	13	m'	<a href="ftp://ftp.ncdc.noaa.gov/pub/data/glcn/v2">ftp://ftp.ncdc.noaa.gov/pub/data/glcn/v2</a>	
76	York Factory		57°00'N 92°26'W	station		1838.01-1852.08 <sup>a</sup>	144	m'	<a href="http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=403719120031&amp;data_set=1&amp;num_neighbors=1">http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=403719120031&amp;data_set=1&amp;num_neighbors=1</a>	
77	York Factory		57°00'N 92°26'W	station		1874.10-1883.05 <sup>a</sup>	99	m'		
78	York Factory	57°00'N 92°26'W	station		1885.10-1889.07 <sup>a</sup>	42	m'			
79	York Factory	57°00'N 92°26'W	station		1898.09-1910.05 <sup>a</sup>	135	m'			
80	Canadian (northern)	Camden Bay	70°08'N 145°29'W	"Enterprise"	Sir Richard Collison	1853.09.15-1854.07.31	11	every 4 hours	Strachan, R. Contributions to Our Knowledge of the Meteorology of the Arctic Regions. Authority of the Meteorology: London; Part I (1879), Part II (1880), Part III (1882), Part IV (1885), Part V (1888)	
81		Rice Strait	78°46'N 74°57'W	"Fram"	Otto Sverdrup	1898.10.01-1899.07.24	10	every 2 hours	Mohn H. 1907. Meteorology [in:] Report of the second Arctic Expedition in the "Fram" 1898-1904. No. 4. Videnskabselskabet i Kristiana.	

82	Canadian (northern)	Assistance Bay	74°40'N 94°16'W	"Sophia"	Alex Stewart	1850.09-1851.08	12	4,12,20	<p>Modern data (1961-1990) for historical sites have been interpolated (kriging method) based on temperature data taken from adjacent meteorological stations.</p> <p>Strachan R. Contributions to Our Knowledge of the Meteorology of the Arctic Regions. Authority of the Meteorology: London; Part I (1879), Part II (1880), Part III (1882), Part IV (1885), Part V (1888).</p> <p>Results Derived from the Arctic Expedition, 1875-1876, I.- Physical Observations by Captain sir George Nares, R.N., and Captain Feilden, &amp;c. [in:] Accounts and Papers: 39 (8) Arctic Expedition, Session 17 January-16 August 1878, Vol. LII., London, Printed by G. E. Eyre and M. Spittiswoode, Printers to the Queen's Most Excellent Majesty. For Her Majesty's stationery Office. 1878. <a href="http://www.umanitoba.ca/libraries/units/archives/collections/subject/arcticstudies/arcticbb/vlewbb.php?t=1878&amp;p=1">http://www.umanitoba.ca/libraries/units/archives/collections/subject/arcticstudies/arcticbb/vlewbb.php?t=1878&amp;p=1</a></p> <p>Strachan R. Contributions to Our Knowledge of the Meteorology of the Arctic Regions. Authority of the Meteorology: London; Part I (1879), Part II (1880), Part III (1882), Part IV (1885), Part V (1888).</p> <p>Results Derived from the Arctic Expedition, 1875-1876, I.- Physical Observations by Captain sir George Nares, R.N., and Captain Feilden, &amp;c. [in:] Accounts and Papers: 39 (8) Arctic Expedition, Session 17 January-16 August 1878, Vol. LII., London, Printed by G. E. Eyre and M. Spittiswoode, Printers to the Queen's Most Excellent Majesty. For Her Majesty's stationery Office. 1878. <a href="http://www.umanitoba.ca/libraries/units/archives/collections/subject/arcticstudies/arcticbb/vlewbb.php?t=1878&amp;p=1">http://www.umanitoba.ca/libraries/units/archives/collections/subject/arcticstudies/arcticbb/vlewbb.php?t=1878&amp;p=1</a></p> <p>Greely A.W. 1886. Report on the Proceedings of the United States expedition to Lady Franklin Bay, Grinnell Land. Washington, D.C.: Government Printing Office. 2 vols.</p> <p>Mohn H. 1907. Meteorology [in:] Report of the second Arctic Expedition in the "Fram" 1898-1904. No. 4. Videnskabsselskabet i Kristiana.</p> <p>Strachan R. Contributions to Our Knowledge of the Meteorology of the Arctic Regions. Authority of the Meteorology: London; Part I (1879), Part II (1880), Part III (1882), Part IV (1885), Part V (1888).</p> <p>Mohn H. 1907. Meteorology [in:] Report of the second Arctic Expedition in the "Fram" 1898-1904. No. 4. Videnskabsselskabet i Kristiana.</p> <p>Strachan, R. Contributions to Our Knowledge of the Meteorology of the Arctic Regions. Authority of the Meteorology: London; Part I (1879), Part II (1880), Part III (1882), Part IV (1885), Part V (1888).</p> <p>Bessels E. 1876. Scientific results of the United States Arctic expedition, steamer Polaris, C.F. Hall commanding. Vol. 1. Physical observations. Washington, DC: Government Printing Office.</p> <p>Strachan R. Contributions to Our Knowledge of the Meteorology of the Arctic Regions. Authority of the Meteorology: London; Part I (1879), Part II (1880), Part III (1882), Part IV (1885), Part V (1888).</p>
83		Batty Bay	73°12'N 91°10'W	"Prince Albert"	W. Kennedy	1851.09-1852.04	8	8,12,16,20	
84		Beechey Island	74°43'N 91°54'W	"North Star"	J.W.S. Pullen	1852.08.09-1854.08.27	25	h	
85		Cambridge Bay	69°03'N 105°12'W	"Enterprise"	Sir Richard Collison	1852.09.23-1853.14.08	12	every 4 hours	
86		Dealy Island	74°56'N 108°49'W	"Resolute", "Intrepid"	Sir Henry Kellett, F.L. McClintock	1852.09-1853.07, 1852.11-1853.07	12	every 2 hours	
87		Discovery Bay	81°44'N 65°03'W	"Discovery"	Sir George S. Nares	1875.08-1876.07	12	h	
88		Felix Harbour Gulf of Boothia	69°59'N 92°01'W	"Victory"	Sir John Ross	1829.09-1830.08	10	h	
89		Floeberg Beach	82°27'N 61°22'W	"Alert"	Sir George S. Nares	1875.08-1876.07	12	h	
90		Fort Conger, Lady Franklin Bay, Ellesmere Island	81°44'N 64°45'W	station	Adolphus W. Greely	1881.08.05-1883.08.08	24	h	
91		Gaasefjord	76°49'N 88°40'W	"Fram"	Otto Sverdrup	1900.10.01-1902.07.20	22	every 2 hours	
92		Griffith Island	74°34'N 95°20'W	"Resolute"	Sir Horatio T. Austin	1850.09.12-1851.08.10	12	h	
93		Havnefjord	76°29'N 84°04'W	"Fram"	Otto Sverdrup	1899.11.01-1900.07.31	9	every 2 hours	
94		Igloodik	69°21'N 81°53'W	"Fury"	Sir W.E. Parry	1822.08-1823.07	12	every 2 hours	
95		Melville Sound	74°42'N 101°22'W	"Resolute", "Intrepid"	Sir Henry Kellett, Sir F.L. McClintock	1853.09-1854.05	9	every 2 hours	
96		Mercy Bay	74°06'N 117°55'W	"Investigator"	Sir Robert J. McClure	1851.08-1853.07	20	every 2 hours	
97		Mundy Harbour Gulf of Boothia	70°18'N 91°35'W	"Victory"	Sir John Ross	1831.09-1832.05	8	h	
98		Northumberland Sound	76°52'N 97°00'W	"Assistance"	Sir Edward Belcher	1852.09-1853.08	12	every 2 hours	
99		Polaris Bay Greenland	81°36'N 62°15'W	station	C.F. Hall	1871.12.01-1872.08.31	9	h	
100		Polaris House Greenland	78°18'N 70°15'W	station	C.F. Hall	1872.11.01-1873.05.31	7	h	
101		Port Bowen	73°13'N 88°55'W	"Hecla" "Fury"	Sir W.E. Parry, H.P. Hoppner	1824.09-1825.08	12	every 2 hours	
102	Port Kennedy	72°01'N 94°14'W	"Fox"	Sir F.L. McClintock	1858.09-1859.08	12	every 2 hours, every 4 hours		

103	Canadian (northern)	Port Leopold	73°50'N	90°12'W	"Enterprise", "Investigator"	Sir James Clark Ross, E.J. Bird	1848.09-1849.08	12	every 2 hours	Modern data (1961-1990) for historical sites have been interpolated (kriging method) based on temperature data taken from adjacent meteorological stations.	Strachan R. Contributions to Our Knowledge of the Meteorology of the Arctic Regions. Authority of the Meteorology: London; Part I (1879), Part II (1880), Part III (1882), Part IV (1885), Part V (1888).
104		Princess Royal Islands	72°47'N	117°35'W	"Investigator"	Sir Robert J. McClure	1850.09-1851.08	12	every 4 hours		
105		Victoria Harbour Gulf of Boothia	70°08'N	91°35'W	"Victory"	Sir John Ross	1830.09-1831.08	12	h		
106		Walker Bay	71°35'N	117°39'W	"Enterprise"	Sir Richard Collison	1851.09-1852.08	12	h		
107		Wellington Channel	75°31'N	92°10'W	"Assistance"	Sir Edward Belcher	1853.09-1854.08	12	every 2 hours		
108		Winter Harbour Melville Island	74°47'N	110°48'W	"Hecla", "Griper"	Sir W.E. Parry	1819.09-1820.08	12	every 2 hours		
109		Wolstenholm Sound	76°34'N	68°45'W	"North Star"	James Saunders	1849.08-1850.07	12	every 4 hours		
110	Baffin Bay	Baffin Bay	drift		"Fox"	Sir F.L. McClintock	1857-1858	13	every 4 hours	Strachan R. Contributions to Our Knowledge of the Meteorology of the Arctic Regions. Authority of the Meteorology: London; Part I (1879), Part II (1880), Part III (1882), Part IV (1885), Part V (1888).	
111		Hebron, Labrador	58°12'N	62°21'W	station		1882.09.12-1918.07	366	8,14,20 and m*		Neumayer G., Börgen. 1886. Die Beobachtungs-Ergebnisse der Deutschen Stationen. Berlin: Verlag von A. Asher & Co. 2 vols. Band I. Kingua-Fjord und die meteorologischen Stationen II. Ordnung in Labrador: Hebron, Okak, Nain, Zoar, Hoffenthal, Rama, sowie die magnetischen Observationen in Breslau und Göttingen and <a href="http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=403719020020&amp;data_set=1&amp;num_neighbors=1">http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=403719020020&amp;data_set=1&amp;num_neighbors=1</a>
112		Hoffenthal, Labrador	55°2'N	60°12'W	station		1882.09.01-1883.08.31	12	8,14,20		Neumayer G., Börgen. 1886. Die Beobachtungs-Ergebnisse der Deutschen Stationen. Berlin: Verlag von A. Asher & Co. 2 vols. Band I. Kingua-Fjord und die meteorologischen Stationen II. Ordnung in Labrador: Hebron, Okak, Nain, Zoar, Hoffenthal, Rama, sowie die magnetischen Observationen in Breslau und Göttingen.
113		Nain, Labrador	56°33'N	61°41'W	station		1882.09.01-1912.12	335	8,14,20 and m*		Neumayer G., Börgen. 1886. Die Beobachtungs-Ergebnisse der Deutschen Stationen. Berlin: Verlag von A. Asher & Co. 2 vols. Band I. Kingua-Fjord und die meteorologischen Stationen II. Ordnung in Labrador: Hebron, Okak, Nain, Zoar, Hoffenthal, Rama, sowie die magnetischen Observationen in Breslau und Göttingen and <a href="http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=403719020010&amp;data_set=1&amp;num_neighbors=1">http://data.giss.nasa.gov/cgi-bin/gistemp/gistemp_station.py?id=403719020010&amp;data_set=1&amp;num_neighbors=1</a>
114		Okak, Labrador	57°34'N	61°56'W	station		1882.09.18-1883.09.14	13	8,14,20		Neumayer G., Börgen. 1886. Die Beobachtungs-Ergebnisse der Deutschen Stationen. Berlin: Verlag von A. Asher & Co. 2 vols. Band I. Kingua-Fjord und die meteorologischen Stationen II. Ordnung in Labrador: Hebron, Okak, Nain, Zoar, Hoffenthal, Rama, sowie die magnetischen Observationen in Breslau und Göttingen.
115		Rama, Labrador	58°33'N	63°15'W	station		1882.09.07-1883.08.29	12	8,14,20		B. M. Vinther, K. K. Andersen, P. D. Jones, K. R. Briffa, and J. Cappelen, 2006. Extending Greenland temperature records into the late eighteenth century, Journal of Geophysical Research, Vol. 111, D11105
116		SW Greenland					1801-1920*	1272	m*		Neumayer G., Börgen. 1886. Die Beobachtungs-Ergebnisse der Deutschen Stationen. Berlin: Verlag von A. Asher & Co. 2 vols. Band I. Kingua-Fjord und die meteorologischen Stationen II. Ordnung in Labrador: Hebron, Okak, Nain, Zoar, Hoffenthal, Rama, sowie die magnetischen Observationen in Breslau und Göttingen.
117		Zoar, Labrador	56°7'N	61°22'W	station		1882.09.01-1883.08.31	12	8,14,20		Arctic Climatology Project. 2000. Environmental Working Group Arctic Meteorology and Climate Atlas. Edited by F. Fetterer and V. Radionov. Boulder, CO: National Snow and Ice Data Center. CD-ROM
118	Interior Arctic	"Fram"	drift		"Fram"	Fridthjof Nansen	1893.09.20-1896.08.16	32	h		

\* after Treshnikov (ed.) 1985

# - with gaps

+ - resolution of available data (the resolution of observations is unknown)

Resolution of observations:

h - hourly

d - daily

m - monthly