

World Weather Records 1991 - 2020

- Denmark, The Faroe Islands and
Greenland

DMI Report 21-11
04 June 2021

By John Cappelen

Colophon

Serial title	DMI Report 21-11
Title	World Weather Records 1991 - 2020
Subtitle	- Denmark, The Faroe Islands and Greenland
Author(s)	John Cappelen
Other contributors	
Responsible institution	Danish Meteorological Institute
Language	English
Keywords	World Weather Records WWR, WMO, climate summary, yearly, annual, period 1991-2020, decadal averages 1991-2000, 2001-2010 and 2011-2020, clino averages 1971-2000, 1981-2010 and 1991-2020, air temperature, atmospheric air pressure, accumulated precipitation, Denmark, The Faroe Islands, Greenland, DMI, monthly data collection
URL	https://www.dmi.dk/publikationer/
Digital ISBN	
ISSN	2445-9127 (online)
Version	04 June 2021
Website	www.dmi.dk
Copyright	Application and publication of data is allowed with proper reference and acknowledgment

Content

1	Abstract	4
2	Resumé.....	4
3	Introduction.....	4
4	Description of the data	5
5	Station history	8
6	Data files.....	16
7	References	17
8	Previous reports	18

1 Abstract

A number of climatological data series are published in this report. These are monthly-/annual values for 1991-2020 and decadal averages for the periods 1991-2000, 2001-2010 and 2011-2020 plus 30 years "clino" averages for the periods 1971-2000, 1981-2010 and 1991-2020 for 5 locations in Denmark, 1 at the Faroe Islands and 9 in Greenland and for parameters air temperature, sea level atmospheric air pressure and precipitation. The data series is a part of the continuous data contribution to "World Weather Records/WWR" as regards Denmark, The Faroe Islands and Greenland.

2 Resumé

Nærværende rapport præsenterer en række danske klimaserier. Det inkluderer måneds-/årsværdier for 1991-2020 og dekadegennemsnit for perioderne 1991-2000, 2001-2010 og 2011-2020 samt 30 års "clino" gennemsnit for perioderne 1971-2000, 1981-2010 og 1991-2020 for 5 danske, 1 færøsk og 9 grønlandske lokaliteter og for parametrene lufttemperatur, lufttryk ved havets overflade og nedbør. Data serierne er en del af det løbende bidrag til "World Weather Records/WWR", hvad angår Danmark, Færøerne og Grønland.

3 Introduction

This report presents a number of climatological data series. These are monthly-/annual values for 1991-2020 and decadal averages for the periods 1991-2000, 2001-2010 and 2011-2020 plus 30 years "clino" averages for the periods 1971-2000, 1981-2010 and 1991-2020 for 5 locations in Denmark, 1 at The Faroe Islands and 9 in Greenland based on DMI Monthly Climate Data Collections [5], [6] and [7]. The data parameters include average air temperature, average of minimum and maximum air temperature, average atmospheric air pressure at mean sea level (msl) and accumulated precipitation.

The data series is a part of the continuous data contribution to "World Weather Records/WWR" [8] as regards Denmark, The Faroe Islands and Greenland.

World Weather Records (WWR) is an archived publication and digital data set. The World Meteorological Organization (WMO) is the current project leader for the WWR. WWR is meteorological data from locations around the world. Through most of its history, WWR has been a publication, first published in 1927. Data includes monthly mean values of pressure, temperature, precipitation, and where available, station metadata notes documenting observation practices and station configurations.

In recent years, data were supplied by National Meteorological Services of various countries, many of which became members of the World Meteorological Organization (WMO). The First Issue included data from earliest records available at that time up to 1920. Data have been collected for periods 1921-30 (2nd Series), 1931-40 (3rd Series), 1941-50 (4th Series), 1951-60 (5th Series), 1961-70 (6th Series), 1971-80 (7th Series), 1981-90 (8th Series), 1991-2000 (9th Series), and 2001-2011 (10th Series).

The most recent Series 11 continues, insofar as possible, the record of monthly mean values of station pressure, sea-level pressure, temperature, and monthly total precipitation for stations listed in previous volumes. In addition to these parameters, mean monthly maximum and minimum temperatures have been collected for many stations and are archived in digital files by National Centers for Environmental Information (NCEI). New stations have also been included. In contrast to previous series, the 11th Series is available for the partial decade, so as to limit waiting period for new records. It begins in 2010 and is updated yearly, extending into the entire decade.

This DMI report (pdf-format) and the matching data set can be downloaded from the publication part of DMI web pages (www.dmi.dk).

See also the following recently published DMI reports:

[2] DMI Report presenting decadal climate summary 1901-2010 for the same stations in Denmark, The Faroe Islands and Greenland (minus Pituffik and Qaqortoq) as presented in this report, based on DMI Monthly Climate Data Collection. The parameters included here are average air temperature, highest and lowest air temperature and highest 24 hour accumulated precipitation. For the same stations also air temperature rankings 2001-2010 are presented. This decadal climate summary and the air temperature ranking was a contribution to the WMO report “Decadal Global Climate Summary/DGCS 2001-2010” as regards Denmark, The Faroe Islands and Greenland.

[3] DMI Report presenting World Weather Records 1991-2010. Specifically monthly-/annual values for 1991-2010 and decadal averages for the periods 1991-2000 and 2001-2010 plus 30 years “clino” averages for the periods 1971-2000 and 1981-2010 for the same stations in Denmark, The Faroe Islands and Greenland as presented in this report, based on DMI Monthly Climate Data Collection. The data parameters include average air temperature, average of minimum and maximum air temperature, average atmospheric air pressure at mean sea level (msl) and accumulated precipitation.

[4] DMI Report presenting World Weather Records 1991-2019. Specifically monthly-/annual values for 1991-2019 and decadal averages for the periods 1991-2000 and 2001-2010 plus 30 years “clino” averages for the periods 1971-2000 and 1981-2010 for the same stations in Denmark, The Faroe Islands and Greenland as presented in this report, based on DMI Monthly Climate Data Collection. The data parameters include average air temperature, average of minimum and maximum air temperature, average atmospheric air pressure at mean sea level (msl) and accumulated precipitation.

4 Description of the data

The station information for the stations presented in this report can be seen in table 1. In figure 1-3 maps with locations can be seen. The maps are from [5], [6] and [7], where the source of the “World Weather Records” datasets are published as long monthly time series.

Table 1. Station information for the stations used in this report.

Country	Station number	Station	Latitude	Longitude	Stat height (above msl)	Bar height (above msl)
DK	06051	Vestervig (air pressure from 6052)	5646N	0819E	18	3,6
DK	06088	Nordby (air pressure 6080, 6081 and 6096*)	5527N	0824E	4	8,9*
DK	06132	Tranebjerg (air pressure from 6159)	5550N	1037E	16	15,8
DK	06186	Landbohøjskolen (Kbh) (air pressure 6180)	5541N	1233E	7	5,0
DK	06193	Hammer Odde Fyr	5518N	1446E	8	9,4
FR	06011	Tórshavn	6201N	0646W	54	55,9
GR	04202	Pituffik (air temperature and precipitation)	7632N	6842W	77	
GR	04211	Upernavik	7247N	5608W	126	130,0
GR	04221	Ilulissat	6914N	5104W	29	33,6
GR	04250	Nuuk	6411N	5144W	80	83,7
GR	04270	Narsarsuaq	6110N	4526W	34	31,0
GR	04272	Qaqortoq (air temperature and precipitation)	6043N	4603W	57	
GR	04320	Danmarkshavn	7646N	1840W	11	12,0
GR	04339	Ittoqqortoormiit	7029N	2157W	70	71,5
GR	04360	Tasiilaq	6537N	3738W	54	55,9

Table 1 note: * The atmospheric air pressure for the period 1987/7 - 2020 is an average of 06080, 06081 and 06096. The latitude, longitude, station height is the figures for 6088 Nordby. The barometer height is from 06096 Rømø/Juvre.

Figure 1. Map showing station position of the stations in Denmark referred to in this report.



Figure 1 note: The official WMO station identifiers for Denmark consist of 5 digits “06xxx”. However, in this report the in front “0” is omitted, giving 4 digits i.e. “6132” for Tranebjerg, which is also used on the map. See more in section 5 – Station history.

Figure 2. Map showing station position, 06011 Tórshavn, The Faroe Islands.



Figure 2 note: The official WMO station identifier for Tórshavn consists of 5 digits “06011”. However, in this report the in front “0” is omitted, giving 4 digits i.e. “6011” for Tórshavn, which is also used on the map. See more in section 5 – Station history.

Figure 3. Map showing station position of the Greenland stations referred to in this report.

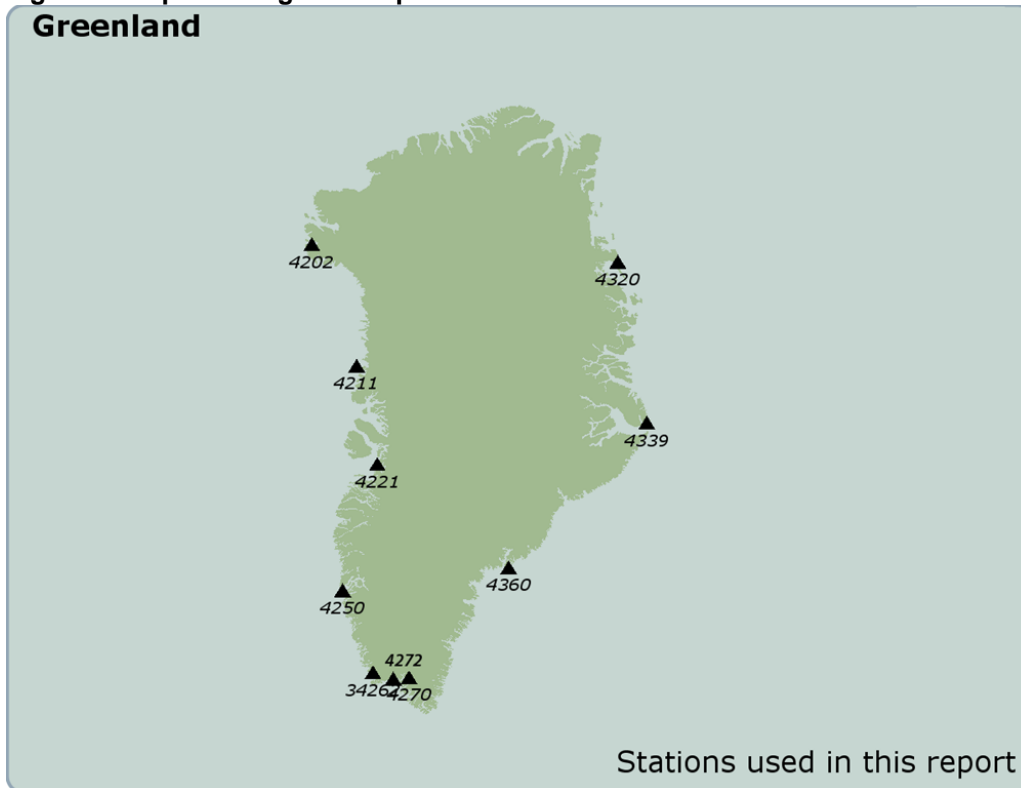


Figure 3 note: The official WMO station identifiers for Greenland consist of 5 digits “04xxx”. However, in this report the in front “0” is omitted, giving 4 digits i.e. “4250” for Nuuk, which is also used on the map. See more in section 5 – Station history.

Figure 3 note: Please notice that 34262 Ivittuut is included in the Greenland map, despite it is not a part of this report. The average monthly air temperature series from 34262 Ivittuut is adjusted to Narsarsuaq series in the data set [6] and can be used as a joined long time series. 34339 Scoresbysund, located the same place as 4339 Ittoqqortoormiit and therefore not shown on the map, is also not a part of this report, but part of [6]. It is not adjusted to 4339! More details can be seen in [5,6,7] and in section 5 - Station History.

DMI element/parameters/ the corresponding WWR no. presented in this report can be seen in the table 2.

Table 2. Data dictionary for the element/parameters presented in the report.

DMI No	WWR No	Element/Parameter	Unit
101	4	Average air temperature	0,1°C
111	6	Average daily maximum air temperature	0,1°C
121	7	Average daily minimum air temperature	0,1°C
401	3	Average atmospheric air pressure at mean sea level (msl)	0,1 hPa
601	5	Accumulated precipitation	0,1 mm

Table 2 note: The units of the values in the data files are specified in ‘Unit’.

The cut-off data for the quality control of the 2020 data is March 2021. Minor changes can take place after this date. This is related to an ongoing quality control of data. Also when compared to earlier published data collections before 2020 minor changes can have been introduced for the same reason.

5 Station history

By convention a time series is named after the most recent station delivering the data. Below is presented an overview back in time of the positions and relocations and starting and (if any) closing dates of the long station time series, which forms the backbone of the data sets included in this report [5], [6] and [7]. Also presented in the tables are any positions or relocations and starting and closing dates of other stations forming part of the series and therefore referred to in the description of the data series. More metadata on the series/stations may be found in [1,5,6,7].

Table 3. Overview of the positions and relocations and starting and (if any) closing dates of 6051 Vestervig and other stations forming part of the series used in this report.

6051 Vestervig

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
21100	Vestervig	01-JUN-1873	30-JUN-1879	clima_man	32V	6291160	459820	82100	564600	47
21100	Vestervig	01-JUL-1879	18-SEP-1883	clima_man	32V	6292610	458640	81900	564600	25
21100	Vestervig	19-SEP-1883	16-AUG-1892	clima_man	32V	6291380	458510	81900	564600	18
21100	Vestervig	17-AUG-1892	30-JUN-1924	clima_man	32V	6291395	458670	81900	564600	22
21100	Vestervig	01-JUL-1924	12-APR-1937	clima_man	32V	6291410	458210	81900	564600	17
21100	Vestervig	13-APR-1937	31-MAR-1946	clima_man	32V	6291225	458420	81900	564600	27
21100	Vestervig	01-APR-1946	01-JAN-2000	clima_man	32V	6291492	458551	81919	564551	18
21100	Vestervig	02-JAN-2000	10-SEP-2003	precip_man	32V	6291492	458551	81919	564551	18
21100	Vestervig	11-SEP-2003	01-APR-2011	precip_man	32V	6291492	458551	81919	564551	18
21100	Vestervig	01-JAN-2000	10-SEP-2003	snow_man	32V	6291492	458551	81919	564551	18
21100	Vestervig	11-SEP-2003	30-SEP-2020	snow_man	32V	6291492	458551	81919	564551	18
21100	Vestervig	01-OCT-2020		snow_man	32V					22
21100	Vestervig	17-FEB-2000	10-SEP-2003	clima_aut	32V	6291492	458551	81919	564551	18
21100	Vestervig	11-SEP-2003		clima_aut	32V	6291492	458551	81919	564551	18
21120	Tødsø	05-JUN-1881	30-JUN-1903	clima_man	32V	6298350	488600	84900	565000	33
21120	Erslev	01-NOV-1927	31-DEC-1949	clima_man	32V	6298850	484730	84500	565000	14
21120	Erslev	01-JAN-1950	31-MAY-1961	clima_man	32V	6298820	483850	84400	565000	20
21120	Erslev	01-NOV-1961	31-MAY-1974	clima_man	32V	6299080	483560	84400	565000	25
21120	Erslev	01-JUN-1974	30-JUN-1987	clima_man	32V	6299350	483300	84400	565000	19
21120	Erslev	01-JUL-1987	30-JUN-1993	precip_man	32V	6299280	483340	84400	565000	20
21120	Erslev	01-JUL-1993	01-APR-2011	precip_man	32V	6299080	483585	84400	565000	26
24020	Bovbjerg Fyr	01-MAR-1876	24-MAR-1944	clima_man	32V	6263750	445920	80700	563100	41
24020	Bovbjerg Fyr	03-AUG-1945	30-NOV-1956	clima_man	32V	6263750	445920	80700	563100	41
24020	Bovbjerg Fyr	01-DEC-1956	30-JUN-1987	clima_man	32V	6263750	445950	80700	563100	41
24020	Bovbjerg Fyr	01-MAR-1989	01-AUG-1994	precip_man	32V	6263740	445950	80700	563100	41
6019	Silstrup	22-MAR-2002		synop_dk	32V	6309855	478246	83833	565550	42
6051	Vestervig	11-SEP-2003		synop_dk	32V	6291492	458551	81919	564551	18
6052	Thyborøn	01-JAN-1961	06-FEB-1985	synop_dk	32V	6285030	452360	81300	564200	3
6052	Thyborøn	07-FEB-1985	21-NOV-2000	synop_dk	32V	6284510	452410	81300	564200	2
6052	Thyborøn	22-NOV-2000		synop_dk	32V	6285231	452017	81259	564227	2
6030	Fsn Aalborg	01-JAN-1953		synop_dk	32V	6328631	551614	95107	570549	3
6041	Skagen Fyr	01-JAN-1953	13-DEC-2000	synop_dk	32V	6400730	597240	103800	574400	3
6041	Skagen Fyr	14-DEC-2000		synop_dk	32V	6400740	597229	103759	574413	3
6058	Hvide Sande	01-JAN-1989	06-NOV-2001	synop_dk	32V	6206680	445780	80800	560000	3
6058	Hvide Sande	07-NOV-2001		synop_dk	32V	6207426	446535	80833	560028	2
6060	Fsn Karup	01-JAN-1953		synop_dk	32V	6238954	507127	90655	561739	52

Table 3 note. Station history from [5]. The most recent station is grey shaded.

Table 4. Overview of the positions and relocations and starting and (if any) closing dates of 6088 Nordby (Fanø) and other stations forming part of the series used in this report.

6088 Nordby/Fanø

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
25140	Nordby	01-SEP-1871	30-APR-1892	clima_man	32U	6144290	462050	82400	552700	4
25140	Nordby	01-MAY-1892	30-NOV-1899	clima_man	32U	6144695	462190	82400	552700	4
25140	Nordby	01-DEC-1899	29-FEB-1904	clima_man	32U	6144290	462050	82400	552700	4
25140	Nordby	01-MAR-1904	29-FEB-1928	clima_man	32U	6144260	462040	82400	552700	4
25140	Nordby	01-MAR-1928	04-APR-1936	clima_man	32U	6144940	462170	82400	552700	4
25140	Nordby	05-APR-1936	15-DEC-1944	clima_man	32U	6144610	462055	82400	552700	5
25140	Nordby	16-DEC-1944	20-NOV-1955	clima_man	32U	6144790	462400	82400	552700	3
25140	Nordby	21-NOV-1955	22-AUG-1960	clima_man	32U	6145210	462330	82400	552700	5
25140	Nordby	23-AUG-1960	10-SEP-1979	clima_man	32U	6144210	461780	82400	552600	6
25140	Nordby	11-SEP-1979	13-JAN-1994	clima_man	32U	6144230	461760	82400	552600	6
25140	Nordby	14-JAN-1994	14-FEB-1996	clima_man	32U	6145165	462375	82400	552700	3
25140	Nordby	15-FEB-1996	01-JAN-2000	clima_man	32U	6145060	462120	82400	552700	4
25140	Nordby	02-JAN-2000	22-JUL-2003	precip_man	32U	6145060	462120	82400	552700	4
25140	Nordby	23-JUL-2003	04-JUL-2007	precip_man	32U	6145047	462147	82406	552656	4
25140	Nordby	05-JUL-2007	01-JAN-2009	precip_man	32U	6145059	462126	82405	552657	4
25140	Nordby	07-FEB-2000	22-JUL-2003	clima_aut	32U	6145060	462120	82400	552700	4
25140	Nordby	23-JUL-2003	04-JUL-2007	clima_aut	32U	6145047	462147	82406	552656	4
25140	Nordby	05-JUL-2007		clima_aut	32U	6145059	462126	82405	552657	4
25140	Nordby	01-JAN-2000	31-MAY-2002	snow_man	32U	6145060	462120	82400	552700	4
25135	Langli	01-AUG-1983	30-JUN-1987	clima_man	32U	6152210	456890	81900	553100	3
25135	Langli	01-JUL-1987	01-SEP-1999	precip_man	32U	6152210	456890	81900	553100	3
25135	Langli	02-JUN-2000	01-DEC-2000	precip_man	32U	6152210	456890	81900	553100	3
25145	Sønderho	01-JUN-1988	23-AUG-1999	precip_man	32U	6134345	466300	82800	552100	4
25145	Sønderho	24-AUG-1999	01-APR-2009	precip_man	32U	6134432	466300	82800	552100	4
25171	Esbjerg R/A V	04-JAN-1979	06-JUN-1985	precip_aut	32U	6149460	464000	82600	552900	3
25171	Esbjerg R/A V	26-AUG-1985	15-JAN-1989	precip_aut	32U	6149500	464120	82600	552900	3
25171	Esbjerg R/A V	16-JAN-1989	06-AUG-1990	precip_aut	32U	6149440	464035	82600	552900	3
25171	Esbjerg R/A V	07-AUG-1990	23-MAY-2012	precip_aut	32U	6149430	464030	82600	552900	3
5340	Esbjerg R/A V	24-MAY-2012		precip_aut	32U	6149500	464020	82550	552921	3
25172	Hjerting	01-DEC-1985	09-JUN-1986	precip_man	32U	6152591	460557	82300	553100	9
25172	Hjerting	10-JUN-1986	01-JAN-2007	precip_man	32U	6152596	460558	82300	553100	9
6088	Nordby	23-JUL-2003	04-JUL-2007	synop_dk	32U	6145047	462147	82406	552656	4
6088	Nordby	05-JUL-2007		synop_dk	32U	6145059	462126	82405	552657	4
6080	Esbjerg Lufthavn	01-JAN-1959	31-MAR-1971	synop_dk	32U	6151640	467420	82900	553000	25
6080	Esbjerg Lufthavn	01-APR-1971	30-SEP-1984	synop_dk	32U	6153140	471550	83300	553100	29
6080	Esbjerg Lufthavn	01-OCT-1984		synop_dk	32U	6153858	472475	83350	553144	25
25348	Vester Vedsted	06-MAY-1986	01-DEC-2003	clima_aut	32U	6127418	478179	83923	551729	3
25348	Vester Vedsted	11-DEC-2003		clima_aut	32U	6127418	478179	83923	551729	3
6081	Blåvandshuk Fyr	01-JAN-1953	31-JAN-1971	synop_dk	32U	6157430	442240	80500	553300	13
6081	Blåvandshuk Fyr	18-SEP-1980		synop_dk	32U	6157424	442226	80503	553329	16
6093	Vester Vedsted	11-DEC-2003		synop_dk	32U	6127418	478179	83923	551729	3
6096	Rømø/juvre	02-MAY-1982	06-APR-2000	synop_dk	32U	6116320	472070	83400	551100	6
6096	Rømø/juvre	07-APR-2000		synop_dk	32U	6116270	472063	83340	551128	6
6058	Hvide Sande	01-JAN-1989	06-NOV-2001	synop_dk	32V	6206680	445780	80800	560000	3
6058	Hvide Sande	07-NOV-2001		synop_dk	32V	6207426	446535	80833	560028	2
25045	Outrup	01-OCT-2004	14-NOV-2006	snow_man	32U	6175575	458141	82000	554300	17

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
25045	Outrup	15-NOV-2006	19-AUG-2009	snow_man	32U	6175311	458776	82100	554300	15
25045	Outrup	20-AUG-2009	24-OCT-2012	snow_man	32U	6175309	458775	82100	554300	15
25045	Outrup	25-OCT-2012		snow_man	32U	6175662	458165	82002	554325	18

Table 4 note. Station history from [5]. The most recent station is grey shaded.

Table 5. Overview of the positions and relocations and starting and (if any) closing dates of 6132 Tranebjerg (Samsø) forming part of the series used in this report.

6132 Tranebjerg/Samsø

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
27080	Tranebjerg	01-DEC-1872	28-FEB-1877	clima_man	32U	6188790	600080	103600	555000	15
27080	Tranebjerg	01-MAR-1877	31-MAR-1884	clima_man	32U	6188885	599720	103500	555000	17
27080	Tranebjerg	01-APR-1884	31-MAY-1918	clima_man	32U	6188890	599630	103500	555000	17
27080	Tranebjerg	01-JUN-1918	30-APR-1950	clima_man	32U	6188850	599630	103500	555000	17
27080	Tranebjerg	01-MAY-1950	31-OCT-1972	clima_man	32U	6188910	599730	103600	555000	15
27080	Tranebjerg	01-NOV-1972	01-FEB-2000	clima_man	32U	6190400	600010	103600	555100	11
27080	Tranebjerg	02-FEB-2000	29-FEB-2000	precip_man	32U	6190400	600010	103600	555100	11
27080	Tranebjerg	01-MAR-2000	01-AUG-2001	precip_man	32U	6190468	600052	103600	555100	12
27080	Tranebjerg	15-FEB-2000	29-FEB-2000	clima_aut	32U	6190400	600010	103600	555100	11
27080	Tranebjerg	01-MAR-2000	10-AUG-2003	clima_aut	32U	6190468	600052	103600	555100	12
27080	Tranebjerg Øst	20-AUG-2003		clima_aut	32U	6188727	601656	103723	554956	16
6132	Tranebjerg Øst	20-AUG-2003		synop_dk	32U	6188727	601656	103723	554956	16
27082	Tranebjerg Øst	02-AUG-2001	17-NOV-2009	precip_man	32U	6188800	601435	103700	555000	18
27082	Tranebjerg Øst	18-NOV-2009	01-APR-2011	precip_man	32U	6188798	601458	103700	555000	18
5165	Tranebjerg Øst	18-NOV-2010	25-SEP-2011	synop_dk	32U	6188800	601458	103711	554958	18
5165	Tranebjerg Øst	26-SEP-2011		synop_dk	32U	6188796	601457	103711	554958	18
27082	Tranebjerg Øst	01-OCT-2004	17-NOV-2009	snow_man	32U	6188800	601435	103700	555000	18
27082	Tranebjerg Øst	18-NOV-2009		snow_man	32U	6188798	601458	103700	555000	18
27070	Langør	01-JUN-1871	31-MAY-1880	precip_man	32U	6197690	602720	103900	555500	3
27070	Langør	01-JUN-1880	31-DEC-1928	precip_man	32U	6198330	602320	103800	555500	4
27070	Langør	01-JAN-1929	31-OCT-1946	precip_man	32U	6198480	601270	103700	555500	3
27070	Langør	01-NOV-1946	31-DEC-1959	precip_man	32U	6198480	601820	103800	555500	2
27070	Langør	01-JAN-1960	31-MAY-1977	precip_man	32U	6198480	601270	103700	555500	3
27070	Langør	01-JUN-1977	29-FEB-1996	precip_man	32U	6198480	601820	103800	555500	2
27070	Langør	01-MAR-1996	01-MAY-1997	precip_man	32U	6198435	601255	103700	555500	3
27070	Kanhave	02-MAY-1997	01-JAN-2007	precip_man	32U	6196975	600370	103600	555400	2
27090	Ørnslund	01-JAN-1864	30-SEP-1881	precip_man	32U	6182900	600180	103600	554700	11
27090	Ørnslund	01-OCT-1881	30-APR-1958	precip_man	32U	6183200	599650	103500	554700	6
27090	Brattingsborg	01-MAY-1958	31-DEC-1970	precip_man	32U	6183400	599477	103500	554700	6
27090	Brattingsborg	01-JAN-1971	01-JUN-2004	precip_man	32U	6183332	599485	103500	554700	6
28180	Blangstedgård	01-JUL-1885	31-DEC-1982	clima_man	32U	6138250	591690	102700	552300	15
6159	Røsnæs Fyr	01-JAN-1959	14-NOV-2001	synop_dk	32U	6179330	617414	105200	554500	15
6159	Røsnæs Fyr	15-NOV-2001		synop_dk	32U	6179319	617433	105214	554439	14
6073	Sletterhage Fyr	15-MAY-2001		synop_dk	32V	6217942	594237	103053	560546	4
6120	Odense Lufthavn	01-JAN-1959	30-JUN-1975	synop_dk	32U	6148495	584135	102000	552800	16
6120	Odense Lufthavn	01-JUL-1975	30-SEP-2013	synop_dk	32U	6148648	584180	102000	552900	15
6120	H.C.Andersen Airport	01-OCT-2013		synop_dk	32U	6148648	584180	102000	552900	15
6169	Gniben	01-JAN-1961	31-JUL-1974	synop_dk	32V	6209380	642270	111700	560000	4
6169	Gniben	01-AUG-1974	31-MAR-1979	synop_dk	32V	6209340	642190	111700	560000	10
6169	Gniben	01-APR-1979	14-FEB-1983	synop_dk	32V	6209560	642140	111700	560100	13

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
6169	Gniben	15-FEB-1983		synop_dk	32V	6209553	642156	111648	560032	14

Table 5 note. Station history from [5]. The most recent station is grey shaded.

Table 6. Overview of the positions and relocations and starting and (if any) closing dates of 6186 Københavns Landbohøjskole and other stations forming part of the series used in this report.

6186 Københavns Landbohøjskole

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
30380	Landbohøjskolen	01-JAN-1860	01-JUL-1997	clima_man	33U	6173560	345420	123200	554100	9
6186	Landbohøjskolen	29-NOV-1995	12-JUN-1997	synop_dk	33U	6173560	345420	123200	554100	9
6186	Landbohøjskolen	13-JUN-1997	01-JUL-1997	synop_dk	33U	6174083	345667	123242	554112	7
6186	Landbohøjskolen	02-JUL-1997		synop_dk	33U	6174083	345667	123242	554112	7
6180	Københavns Lufthavn	01-JAN-1953	30-JUN-1955	synop_dk	33U	6167070	352740	124000	553800	2
6180	Københavns Lufthavn	01-JUL-1955	30-JUN-1959	synop_dk	33U	6167170	352110	123900	553800	3
6180	Københavns Lufthavn	01-JUL-1959	13-JUL-1971	synop_dk	33U	6166370	352440	123900	553700	3
6180	Københavns Lufthavn	14-JUL-1971	15-JUN-1983	synop_dk	33U	6165550	351570	123900	553700	4
6180	Københavns Lufthavn	16-JUN-1983		synop_dk	33U	6165840	351770	123900	553700	5
6183	Drogden Fyr	01-JAN-1961		synop_dk	33U	6157060	355647	124245	553213	18
6184	Danmarks Met. Inst.	01-JUN-2004		synop_dk	33U	6177359	346923	123348	554300	8
6187	Københavns Toldbod	20-FEB-2004		synop_dk	33U	6174236	349105	123559	554121	20
30340	Københavns Toldbod	01-JAN-1886	31-DEC-1949	fuess	33U	6174250	349070	123600	554100	20
30340	Københavns Toldbod	01-JAN-1950	30-JUN-1976	fuess	33U	6174240	349110	123600	554100	20
30340	Københavns Toldbod	01-JAN-1978	30-JUN-1997	fuess	33U	6174240	349110	123600	554100	20
30340	Københavns Toldbod	01-MAY-1968	03-APR-2005	casella	33U	6174240	349110	123600	554100	20
30341	Københavns Toldbod	20-FEB-2004		clima_aut	33U	6174236	349105	123559	554121	20
30210	Meteorologisk Institut	01-JAN-1875	31-DEC-1906	clima_man	33U	6174200	349100	123600	554100	13
30210	Meteorologisk Institut	1-JAN-1907	31-DEC-1922	clima_man	33U	6174200	349100	123600	554100	5
30210	Meteorologisk Institut	01-JAN-1952	28-FEB-1972	clima_man	33U	6182380	347220	123400	554600	15
30210	Meteorologisk Institut	1-MAR-1972	31-MAR-1985	precip_man	33U	6177370	346930	123400	554300	8
30370	Botanisk Have	01-OCT-1955	31-DEC-1970	clima_man	33U	6174193	347579	123500	554100	6
30370	Botanisk Have	01-NOV-1945	30-SEP-1955	precip_man	33U	6174193	347579	123500	554100	6
30370	Botanisk Have	01-JAN-1971	01-APR-2011	precip_man	33U	6174193	347579	123500	554100	6
5735	Botanisk Have	14-JAN-2010	28-NOV-2011	synop_dk	33U	6174196	347575	123431	554118	6
5735	Botanisk Have	29-NOV-2011	23-JUL-2012	synop_dk	33U	6174199	347574	123431	554118	6
5735	Botanisk Have	24-JUL-2012	22-OCT-2019	synop_dk	33U	6174194	347557	123430	554118	6
5735	Livgardens Kaserne	23-OCT-2019		synop_dk	33U	6173767	347662	123436	554109	6
30370	Botanisk Have	01-OCT-2004	30-APR-2017	snow_man	33U	6174193	347579	123500	554100	6
30187	Kettinge	01-SEP-2012		snow_man	33U	6195912	338152	122446	555249	42
30215	Meteorologisk Institut	02-FEB-2018		snow_man	33U	6177370	346930	123400	554300	8
30372	Rundetårn	01-JAN-1751	31-DEC-1817	clima_man	33U	6173480	347655	123437	554055	7*
30371	Gl. Botanisk Have	01-JAN-1818	31-DEC-1859	clima_man	33U	6173160	348485	123525	554045	3

Table 6 note. Station history from [5]. The most recent station is grey shaded.

Table 6 note: This station has been subject to urban change. Back in time the surroundings were rural whereas today the park of Landbohøjskolen with the synoptic station is surrounded by the city of Copenhagen. Observations in Copenhagen started 1751 in the tower "Rundetårn", but the first 16 years the thermometer was situated inside a room in a little observatory near the top of the tower. In the beginning of 1767 the thermometer was situated outside the observatory facing north and from 1768 the observations were taken 4 times a day. Therefore the series presented in this report starts 1768.

Table 6 note: * The ground level of the tower is 7 m above MSL. The thermometer was situated app. 43 m above MSL.

Table 7. Overview of the positions and relocations and starting and (if any) closing dates of 6193 Hammer Odde Fyr/Lighthouse (Bornholm) and other stations forming part of the series used in this report.

6193 Hammer Odde Fyr/Lighthouse (Bornholm)

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
32030	Sandvig	11-NOV-1872	31-AUG-1953	clima_man	33U	6127090	486180	144700	551700	13
32030	Sandvig	01-SEP-1953	30-JUN-1966	clima_man	33U	6127105	486140	144700	551700	13
32030	Sandvig	01-AUG-1966	30-NOV-1972	clima_man	33U	6127010	485840	144700	551700	12
32025	Hammeren Fyr	01-JAN-1880	31-JUL-1962	clima_man	33U	6126930	484770	144600	551700	77
32020	Hammer Odde Fyr	01-MAR-1953	30-JUN-1974	clima_man	33U	6128190	485630	144600	551800	7
32020	Hammer Odde Fyr	01-JUL-1974	30-JUN-1987	clima_man	33U	6128170	485710	144700	551800	11
6191	Christiansø Fyr	01-JAN-1961	31-MAR-2000	synop_dk	33U	6130820	511970	151100	551900	13
32080	Klemensker	01-OCT-1954	30-NOV-1971	clima_man	33U	6114630	487970	144900	551100	110
32080	Klemensker	01-SEP-1953	30-SEP-1954	precip_man	33U	6114630	487970	144900	551100	110
32080	Klemensker	01-OCT-1994	21-SEP-1998	precip_man	33U	6114674	488059	144900	551100	111
32080	Klemensker	22-SEP-1998	01-DEC-2004	precip_man	33U	6114671	488062	144900	551100	111
32080	Klemensker	02-DEC-2004	01-AUG-2010	precip_man	33U	6114234	488024	144900	551000	108
32080	Klemensker	01-DEC-2002	01-DEC-2004	snow_man	33U	6114671	488062	144900	551100	111
32080	Klemensker	02-DEC-2004	31-MAY-2010	snow_man	33U	6114234	488024	144900	551000	108
32175	Østerlars	15-MAY-1998	20-MAY-2008	precip_man	33U	6113107	498094	145800	551000	94
32175	Østerlars	21-MAY-2008	01-APR-2011	precip_man	33U	6113129	498051	145800	551000	94
32175	Østerlars	20-JAN-2005	20-MAY-2008	snow_man	33U	6113107	498094	145800	551000	94
32175	Østerlars	21-MAY-2008	30-JUN-2019	snow_man	33U	6113129	498051	145800	551000	94
32175	Østerlars	01-JUL-2019		snow_man	33U					
6193	Hammer Odde Fyr	05-OCT-1977	29-AUG-2001	synop_dk	33U	6128170	485710	144700	551800	11
6193	Hammer Odde Fyr	30-AUG-2001		synop_dk	33U	6128170	485579	144622	551755	8
6190	Bornholms Lufthavn	01-JAN-1959	31-MAY-1977	synop_dk	33U	6102830	483820	144500	550400	13
6190	Bornholms Lufthavn	01-JUN-1977		synop_dk	33U	6102556	484066	144500	550400	15
6199	Dueodde N Fyr	01-JAN-1959	30-SEP-1962	synop_dk	33U	6095230	504720	150400	550000	16
6199	Dueodde S Fyr	01-OCT-1962	30-JUN-1977	synop_dk	33U	6094150	504810	150500	550000	6

Table 7 note. Station history from [5]. The most recent station is grey shaded.

Table 8. Overview of the positions and relocations and starting and (if any) closing dates of 6011 Tórshavn and other stations forming part of the series used in this report.

6011 Tórshavn

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
33071	Tórshavn skole	01-JAN-1871	31-DEC-1871	clima_man	29V	6877520	616750	-64600	620100	9
33071	Tórshavn skole	01-OCT-1872	31-JUL-1907	clima_man	29V	6877520	616750	-64600	620100	9
33071	Tórshavn skole	01-AUG-1907	31-MAR-1925	clima_man	29V	6877560	616920	-64600	620100	24
33060	Hoyvik	01-JUN-1921	31-DEC-1981	clima_man	29V	6879770	617460	-64500	620200	20
33060	Hoyvik	01-FEB-1983	31-MAR-1983	clima_man	29V	6879770	617460	-64500	620200	20
33100	Vagur	01-NOV-1903	30-NOV-1922	precip_man	29V	6817750	616350	-64900	612800	15
33100	Vagur	02-JUN-1999	01-OCT-2011	precip_man	29V	6817549	619270	-64500	612800	43
6011	Tórshavn	01-JAN-1953	30-JUN-1962	synop_dk	29V	6878110	616530	-64600	620100	35
6011	Tórshavn	01-JUL-1962	31-DEC-1992	synop_dk	29V	6878170	616530	-64600	620100	43
6011	Tórshavn	01-JAN-1993		synop_dk	29V	6879010	617080	-64600	620100	54

Table 8 note. Station history from [6]. The most recent station is grey shaded.

Table 9. Overview of the positions and relocations and starting and (if any) closing dates of 4202 Pituffik/Thule Air Base and other stations forming part of the series used in this report.

4202 Pituffik (Thule Air Base)

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
4200	Dundas	01-JAN-1961	23-JUN-1981	synop_gr				-684800	763400	21
4200	Dundas	02-NOV-1981	30-DEC-1981	synop_gr				-684800	763400	21
4200	Dundas	01-MAR-1982	29-MAY-1982	synop_gr				-684800	763400	21
4200	Dundas	01-JUL-1982	31-AUG-1983	synop_gr				-684800	763400	21
4202	Pituffik*	01-JAN-1974	27-NOV-2006	synop_gr				-684200	763200	77

Table 9 note. Station history from [7]. The most recent station is grey shaded.

Table 9 note: * From Nov 2006 the monthly data are obtained from Thule AB (Pituffik), personal communication.

Table 10. Overview of the positions and relocations and starting and (if any) closing dates of 4211 Mittarfik Upernavik (Airport) and other stations forming part of the series used in this report.

4211 Mittarfik Upernavik (Airport)

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
34210	Upernavik	01-SEP-1873	31-DEC-1960	clima_man				-560700*	724700*	19*
4210	Upernavik	01-JAN-1958	31-JAN-1987	synop_gr				-561000	724700	63
4209	Upernavik AWS	30-AUG-1984	26-SEP-1995	synop_gr				-561000	724700	63
4210	Upernavik	08-SEP-1995	16-AUG-2004	synop_gr				-561000	724700	120
4211	Mittarfik Upernavik	23-OCT-2000		synop_gr				-560750	724725	126
4202	Pituffik	01-JAN-1974	27-NOV-2006	synop_gr				-684500	763200	77
4208	Kitsissorsuit	10-SEP-1981		synop_gr				-574323	740338	40
4216	Ilulissat	01-JAN-1961	30-SEP-1991	synop_gr				-510300	691300	39
4216	Ilulissat	01-OCT-1991	31-AUG-1992	synop_gr				-510300	691300	39
4221	Mittarfik Ilulissat	14-AUG-1991		synop_gr				-510358	691425	29

Table 10 note. Station history from [7]. The most recent station is grey shaded.

Table 10 note: The station 4209 Upernavik AWS was an automatic station, which explains the lack of manually observations in the period, where 4210 Upernavik was closed.

Table 10 note: * The number and positions of locations/relocations during the period are not certain.

Table 11. Overview of the positions and relocations and starting and (if any) closing dates of 4221 Mittarfik Ilulissat (Airport) and other stations forming part of the series used in this report.

4221 Mittarfik Ilulissat (Airport) (Danish name: Jakobshavn Lufthavn/Airport)

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
34212	Uummannaq	01-OCT-1829 [†]	? [†]	clima_man				*	*	*
34210	Upernavik	01-AUG-1807 [†]	? [†]	clima_man				*	*	*
34216	Ilulissat	01-NOV-1835 [†]	? [†]	clima_man				*	*	*
34216	Ilulissat	01-JUL-1873	28-FEB-1962	clima_man				-510300	691300	39
34218	Qeqertarsuaq	01-AUG-1807*	?*	clima_man				*	*	*
4212	Uummannaq	01-JAN-1961	14-AUG-1989	synop_gr				-520700	704000	39
4212	Uummannaq Heli	15-JAN-2004	30-JUN-2006	synop_gr				-520700	714000	2
4216	Ilulissat	01-JAN-1961	30-SEP-1991	synop_gr				-510300	691300	39
4216	Ilulissat	01-OCT-1991	31-AUG-1992	synop_gr				-510300	691300	39
4218	Qeqertarsuaq	01-JAN-1962	30-JUN-1980	synop_gr				-533100	691400	24
4219	Qeqertarsuaq Heli	21-JAN-2004		synop_gr				-533217	691504	3
4221	Mittarfik Ilulissat	01-JAN-1984	13-AUG-1991	metar				-510358	691425	29
4221	Mittarfik Ilulissat	14-AUG-1991		metar				-510358	691425	29
4221	Mittarfik Ilulissat	14-AUG-1991		synop_gr				-510358	691425	29

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
4220	Aasiaat	01-JAN-1958		synop_gr				-525106	684229	43

Table 11 note. Station history from [7]. The most recent station is grey shaded.

Table 11 note: * The number, start, end and positions of locations/relocations during the period are not known or certain.

Table 12. Overview of the positions and relocations and starting and (if any) closing dates of 4250 Nuuk and other stations forming part of the series used in this report.

4250 Nuuk (Danish name: Godthåb)

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
34247	Qoornoq	01-JAN-1874*	?*	clima_man				*	*	*
04247	Qoornoq	03-JAN-1966	31-DEC-1969	synop_gr				-510300	643200	
34250	Nuuk	01-SEP-1784*	?*	clima_man				*	*	*
34250	Nuuk	01-JAN-1874*	31-DEC-1960	clima_man				-514330*	641030*	20*
4250	Nuuk	01-JAN-1958	31-AUG-1991	synop_gr				-514500	641000	54
4250	Nuuk	01-SEP-1991		synop_gr				-514351	641100	80
34250	Nuuk	02-FEB-1999	01-SEP-2012	precip_man				-514403	641100	54
4221	Mittarfik Ilulissat	14-AUG-1991		synop_gr				-510358	691425	29
4230	Sisimiut	01-JAN-1961	22-JUN-2001	synop_gr				-534000	665500	12
4254	Mittarfik Nuuk	01-AUG-1985		metar				-514041	641127	87
4254	Mittarfik Nuuk	01-NOV-2000		synop_gr				-514041	641127	87
4270	Mittarfik Narsarsuaq	01-JAN-1961		synop_gr				-452532	610939	34

Table 12 note. Station history from [7]. The most recent station is grey shaded.

Table 12 note: In the late 1990's the manual precipitation gauge at 4250 Nuuk was replaced with an automatic rain gauge. From February 2, 1999 this was supplemented with a manual raingauge (station 34250 Nuuk). At this manual precipitation station 34250 Nuuk the precipitation was observed every day at 21 UTC for the previous 24 hours. The manual station 34250 was closed 1 September 2012.

Table 12 note: * The number, start, end and positions of locations/relocations during the period are not known or certain.

Table 13. Overview of the positions and relocations and starting and (if any) closing dates of 34262 Ivittuut forming part of the series used in this report.

34262 Ivittuut (Danish name: Ivigtut)

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
34262	Ivittuut	01-JAN-1875	31-DEC-1966	clima_man				-481100*	611200*	30*

Table 13 note: * The number and positions of locations/relocations during the period are not certain.

Table 14. Overview of the positions and relocations and starting and (if any) closing dates of 4270 Mittarfik Narsarsuaq and other stations forming part of the series used in this report.

4270 Mittarfik Narsarsuaq (Airport)

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
4270	Mittarfik Narsarsuaq	01-JAN-1961		synop_gr				-452532	610939	34
34270	Mittarfik Narsarsuaq	22-JAN-2009		precip_man				-452509	610939	26
4271	Narsarsuaq Radiosonde	07-JUL-2011		synop_gr				-452624	610927	4

Table 14 note. Station history from [7]. The most recent station is grey shaded.

Table 14 note: A manual gauge was started in January 2009 as station 34270 Mittarfik Narsarsuaq. At this the precipitation is observed every day at 12 UTC for the previous 24 hours.

Table 15. Overview of the positions and relocations and starting and (if any) closing dates of 4272 Qaqortoq and other stations forming part of the series used in this report.

4272 Qaqortoq (Danish name: Julianehåb)

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
34260	Paamiut	01-AUG-1828*	?*	clima_man				*	*	*
34262	Ivittuut	01-JAN-1875	31-DEC-1966	clima_man				-481100*	611200*	30*
34272	Qaqortoq	01-OCT-1807*	?*	clima_man				*	*	*
34283	Nanortalik	01-AUG-1883*	?*	clima_man				*	*	*
4260	Paamiut	01-JAN-1958	21-SEP-1992	synop_gr				-494300	620000	15
4260	Paamiut Heliport	22-SEP-1992	06-DEC-2007	synop_gr				-494000	620000	13
4260	Mitt. Paamiut	07-DEC-2007		synop_gr				-494015	620053	37
4270	Mitt. Narsarsuaq	01-JAN-1961		synop_gr				-452532	610939	34
4272	Qaqortoq	01-JAN-1961	08-SEP-2003	synop_gr				-460300	604300	32
4272	Qaqortoq	09-SEP-2003		synop_gr				-460256	604256	57
4273	Qaqortoq Heliport	17-MAR-2004		synop_gr				-460146	604247	16

Table 15 note. Station history from [7]. The most recent station is grey shaded.

Table 15 note: * The number, start, end and positions of locations/relocations during the period are not known or certain.

Table 16. Overview of the positions and relocations and starting and (if any) closing dates of 4320 Danmarkshavn and other stations forming part of the series used in this report.

4320 Danmarkshavn

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
4320	Danmarkshavn	05-NOV-1948	31-DEC-1957	synop_gr				-184000	764600	14
4320	Danmarkshavn	01-JAN-1958		synop_gr				-184005	764610	11
34320	Danmarkshavn	01-JAN-2009		precip_man				-184005	764610	11

Table 16 note. Station history from [7]. The most recent station is grey shaded.

Table 16 note: A manual measurement was started in January 2009 as station 34320 Danmarkshavn. At this the precipitation is observed every day at 12 UTC for the previous 24 hours.

Table 17. Overview of the positions and relocations and starting and (if any) closing dates of 34339 Scoresbysund and other stations forming part of the series used in this report.

34339 Scoresbysund (Greenland name: Ittoqqortoormiit)

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
34339	Scoresbysund*	01-NOV-1923	31-DEC-1946	clima_man				-215800	702900	17
34339	Scoresbysund*	01-JAN-1947	30-APR-1948	clima_man				-215800	702900	24
34339	Scoresbysund*	01-MAY-1948	31-OCT-1948	clima_man				-215800	702900	41
34339	Scoresbysund*	01-NOV-1948	30-SEP-1949	clima_man				-215800	702900	51

Table 17 note: * The relocations during the period are not certain.

Table 18. Overview of the positions and relocations and starting and (if any) closing dates of 4339 Ittoqqortoormiit and other stations forming part of the series used in this report.

4339 Ittoqqortoormiit (Danish name: Scoresbysund. Previous name: Illoqqortoormiut)

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
34340	Uunarteq (Kap Tobin)	01-OCT-1948	31-DEC-1960	project				-215800	702500	42
4340	Uunarteq (Kap Tobin)	01-OCT-1949	31-OCT-1980	synop_gr				-215800	702500	42
4340	Uunarteq (Kap Tobin)	05-SEP-1985	10-JUN-1990	synop_gr				-215800	702500	41
4339	Ittoqqortoormiit	01-NOV-1980	16-AUG-2005	synop_gr				-215700	702900	65
4339	Ittoqqortoormiit	17-AUG-2005		synop_gr				-215704	702904	70

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
34339	Ittoqqortoormiit	01-SEP-2014		precip_man				-215700	702900	65
4341	Mittarfik Nerlerit Inaat	01-NOV-2000		synop_gr				-223902	704435	14

Table 18 note. Station history from [7]. The most recent station is grey shaded.

Table 18 note: A manual measurement was started in September 2014 as station 34339 Ittoqqortoormiit. At this the precipitation is observed every day at 12 UTC for the previous 24 hours.

Table 19. Overview of the positions and relocations and starting and (if any) closing dates of 4360 Tasiilaq and other stations forming part of the series used in this report.

4360 Tasiilaq (Danish name: Ammassalik. Previous name: Angmagssalik)

No.	Name	Start	End	Type	UTM	Northings	Eastings	Longitude	Latitude	Elev.
34360	Tasiilaq	13-OCT-1894	31-SEP-1959	clima_man				-373800	653600	50
4360	Tasiilaq	01-JAN-1958	31-MAR-1982	synop_gr				-373800	653600	36
4360	Tasiilaq	01-APR-1982	14-AUG-2005	synop_gr				-373800	653600	50
4360	Tasiilaq	15-AUG-2005		synop_gr				-373812	653640	54
4361	Mittarfik Kulusuk	28-NOV-2000		synop_gr				-370725	653425	36

Table 19 note. Station history from [7]. The most recent station is grey shaded.

Table 19 note: * The number and positions of locations/relocations during the period are not certain.

6 Data files

Data are included in this report as three (3) Excel files, one for each of the countries Denmark, The Faroe Islands and Greenland and with fifteen (15) sheets, one for every station in table 1 in section 3: dk_wwr_1991_2020.xlsx, fr_wwr_1991_2020.xlsx, gr_wwr_1991_2020.xlsx

The format is:

Station Metadata section:

Field 1: Blank
 Field 2: WMO number
 Field 3: Record type 1= Station Metadata Record
 Field 4: Latitude N= Northern
 Field 5: Longitude E= Eastern, W= Western
 Field 6: Country
 Field 7: Station name
 Field 8: Height of station above sea level (meters)
 Field 9: Height of barometer above sea level (0.1 meters)

Data records:

Field 1: Blank
 Field 2: WMO number
 Field 3: Element code 3= Average atmospheric air pressure (msl) in 0.1 hPa
 4= Average air temperature in 0.1°C
 5= Accumulated precipitation in 0.1 mm
 6= Average maximum air temperature in 0,1°C
 7= Average minimum air temperature in 0,1°C
 Field 4: Year
 Field 5: Rec type blank=Monthly and Annual data
 1=Decadal (1991-2000, 2001-2010 or 2011-2020) average
 (NB! Year = 2000, 2010 or 2020)
 2=Clino (1971-2000, 1981-2010 or 1991-2020) average
 (NB! Year = 2000, 2010 or 2020)
 Field 6: Jan Value for January

Field 7:	Feb	Value for February
Field 8:	Mar	Value for March
Field 9:	Apr	Value for April
Field 10:	May	Value for May
Field 11:	Jun	Value for June
Field 12:	Jul	Value for July
Field 13:	Aug	Value for August
Field 14:	Sep	Value for September
Field 15:	Oct	Value for October
Field 16:	Nov	Value for November
Field 17:	Dec	Value for December
Field 18:	Annual	Annual value

Note: If a monthly value is missing, the yearly value is not calculated. The corresponding fields are left blank. Please also notice that:

1. 4202 Pituffik and 4272 Qaqortoq only have average air temperatures and accumulated precipitation in the dataset.
2. 4211 Upernavik only have accumulated precipitation up to 1980. The clino 1971-2000 for accumulated precipitation are therefore only calculated on data 1971-1980!
3. 4221 Ilulissat only have accumulated precipitation up to 1984. The clino 1971-2000 for accumulated precipitation are therefore only calculated on data 1971-1984! The clino 1981-2010 for accumulated precipitation are therefore only calculated on data 1981-1984!

7 References

[1] Laursen, E. V. (2003): Metadata, Selected Climatological and Synoptic Stations, 1750-1996. DMI Technical Report 03-24, Copenhagen.

[2] Cappelen, J. (2011) Decadal Climate Summary 1901-2010 and Temperature Ranking 2001-2010 - Denmark, The Faroe Islands and Greenland. DMI Technical Report 11-14, Copenhagen.

[3] Cappelen, J. (2014): World Weather Records 1991-2000 and 2001-2010 - Denmark, The Faroe Islands and Greenland. DMI Technical Report 14-10, Copenhagen.

[4] Cappelen, J. (2020): World Weather Records 1991-2019 - Denmark, The Faroe Islands and Greenland. DMI Report 20-11, Copenhagen.

[5] John Cappelen (ed) (2021): Denmark – DMI Historical Data Collection 1768-2020. DMI Report 21-02, Copenhagen.

[6] John Cappelen (ed) (2021): Greenland – DMI Historical Data Collection 1784-2020. DMI Report 21-04, Copenhagen.

[7] John Cappelen (ed) (2021): The Faroe Islands – DMI Historical Data Collection 1873-2020. DMI Report 21-05, Copenhagen.

[8] World Weather Records (WWR)

WMO: https://www.ncei.noaa.gov/data/world-weather-records/series-10/doc/WWR_Guidelines_2011_en.pdf

NOAA: <https://data.nodc.noaa.gov/cgi-bin/iso?id=gov.noaa.ncdc:C00160>

NOAA Access to WWR data: <https://www.ncdc.noaa.gov/wdcmet/data-access-search-viewer-tools/world-weather-records-wwr-clearinghouse>

8 Previous reports

Previous reports from the Danish Meteorological Institute can be found on:

<https://www.dmi.dk/publikationer/>