Colophon

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Front Page:
Oak tree, Dyrehaven, København. The trunk symbolizes this guide, the branches all the different climate information. Photo: John Cappelen
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Abstract
This report presents the kind of climate data and services the Danish Meteorological Institute can provide, suitable for climate information and research.

Resumé
Denne rapport præsenterer, hvilken klimadata og -information Danmarks Meteorologiske Institut kan levere til brug indenfor området klimainformation og -forskning.
1. Introduction

Data management is essential to good science. Data management is the key to ensuring data are preserved, understandable, and available in the future, thereby providing future generations with a relevant data collection.

Many national and international climate data management mechanisms exist. Good examples are the climate data and monitoring projects European Climate Assessment & Dataset (ECA&D) and Climate Monitoring in the WMO RA VI Region, today organised under WMO RA VI Regional Climate Centre Network, both with Danish contributions.

The aim of all these initiatives is to provide climate monitoring products at national and European levels on a routine basis. Therefore should the Network of European Meteorological Data Providers continuously be encouraged to provide data, metadata, identification of archives and other data management requirements to ensure a general overview of data availability.

Ideally the Network of European Meteorological Data Providers should develop a common outreach strategy to inform data providers and users on the value of data management and the importance of making data promptly available. The strategy should recognize and work within existing disciplinary practices where possible.

The main task for the climate responsible part of a national meteorological institute has always been as follows:

- Produce high quality climate data sets and information
- Support various climate assessments and research
- Secure a general overview and accessibility of climate data and information

But with growing amounts of data and more and more demands from the society to get them it is essential for both data providers and users that more focus are put on the last “data discovery“ item in the future.

This report presents the kind of data and services the Danish Meteorological Institute can provide, suitable for climate information and research.

2. How to read the guide

Ideally a guide/catalogue to climate data and information should be based on a database containing all key variables such as locality, parameters, time period, resolution, quality, data formats and metadata etc.

In absence of such a database a simple guide in form of a report is the second best thing. In this guide the locality is the first key variable, the next are what kind of information you can get i.e. a data collection, data survey or the actual observations and the regularities.

Today a growing part of the DMI climate data and services can be found on the DMI web site, freely available. The rest can be found through Customers Service for a fee dependent on the use of the data or in case of older material through a Danish library or the Danish National Archive. For that reason this data discovery guide will focus on the kind of availability too and the data policy and practices for data and services not freely available through the Internet will be presented.

Furthermore nearly every link in this guide has the most important keywords attached.

Through the different links to the Internet you can go directly to the information you are interested in. You can also search the document for all links with a specific content i.e. “precipitation” or “daily climate data”.

https://www.dmi.dk/publikationer/  page 7 of 60
3. Denmark

3.1. Observations and various derived climate data, statistics and surveys not mentioned in the other sections below (observations mainly digitised since 1961) are available through DMI Customers Service for a fee.

These data are available through DMI Customers Service for a fee: phone +45 3915 7500, by post: DMI Customers Service, Lyngbyvej 100, DK 2100 Copenhagen, Denmark or web-mail. See DMI Contact.

For research and education purposes data can be borrowed free of charge, except for the delivery costs. See Section “Data Policy and Practice” and Appendix 1.

Overview of observation sites and parameters in Denmark by January 2013 is available in the following DMI report: https://www.dmi.dk/fileadmin/Rapporter/TR/tr13-13.pdf

Older original, not digitised observations/data can be found via the Danish National Archive.
3.2. Data surveys (regularly updated derived data), www.dmi.dk (freely available)

Data Survey ("Weather Archive") from 2011 (graphics), daily maps - counties, country-wise values (Danish only):
https://www.dmi.dk/vejrarkiv
Keywords: Hourly, daily, monthly and annual climate data from 2011, daily maps, weather archive, Denmark, regions, counties, country-wise values, mean temperature, highest temperature, lowest temperature, relative humidity, atmospheric air pressure, wind speed, wind direction, gust, precipitation, hours of bright sunshine, drought index, lightning, snow depth

Weekly Data Survey from October 1998 to December 2003 (Danish only):
Keywords: Weekly climate data, Denmark, weekly and daily precipitation, station data, regions, temperature, hours of bright sunshine, wind, relative humidity, heating degree days

Monthly, seasonal and annual Data Survey from 2011 (Danish only):
https://www.dmi.dk/vejrarkiv/maaneden-saesonen-og-aarets-vejr
Keywords: Monthly climate data, seasonal climate data, annual climate data Denmark, station data, regions, precipitation, temperature, hours of bright sunshine, wind, relative humidity, heating degree days, normal 1961-90, average 2001-2010

Monthly Data Survey October 1998- December 2003 (Danish only):
Keywords: Monthly climate data, Denmark, station data, regions, precipitation, temperature, hours of bright sunshine, wind, relative humidity, heating degree days, frequency of wind direction and -force

Monthly Weather Survey October 1998-July 2003 (Danish only):
Keywords: Monthly country-wise climate data, Denmark, precipitation, temperature, hours of bright sunshine, weather description in text

Weekly, monthly, seasonal and annual Weather Survey from August 2003-December 2010 (Danish only):
https://www.dmi.dk/fileadmin/Rapporter/TR/tr12-09.pdf (report)
https://www.dmi.dk/fileadmin/Rapporter/TR/tr12-09.zip (data)
Keywords: Monthly country-wise climate data, seasonally country-wise climate data, annual country-wise climate data, Denmark, precipitation, temperature, hours of bright sunshine, weather description in text

Monthly reports to the international community (CLIMAT) January 2004-December 2010 (Danish only):
https://www.dmi.dk/fileadmin/Rapporter/TR/tr12-09.pdf (report)
https://www.dmi.dk/fileadmin/Rapporter/TR/tr12-09.zip (data)
Keywords: Monthly climate data, CLIMAT, WMO, international community, Denmark, The Faroe Islands, Greenland, precipitation, temperature, atmospheric air pressure, vapour pressure
The annual climate of Denmark from 2000 (up to 2011 with Tórshavn, the Faroe Islands and Nuuk, Greenland included as a supplement):

2000: https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2001/tr01-06.pdf (report) (Danish only)
2001: https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2002/tr02-01.pdf (report) (Danish only)
2004: https://www.dmi.dk/fileadmin/Rapporter/TR/tr05-01.pdf (report)
2005: https://www.dmi.dk/fileadmin/Rapporter/TR/tr06-01.pdf (report)
2007: https://www.dmi.dk/fileadmin/Rapporter/TR/tr08-01.pdf (report)
2007: https://www.dmi.dk/fileadmin/Rapporter/TR/tr08-01.zip (data)
2008: https://www.dmi.dk/fileadmin/Rapporter/TR/tr09-01.pdf (report)
2009: https://www.dmi.dk/fileadmin/Rapporter/TR/tr10-01.zip (data)
2010: https://www.dmi.dk/fileadmin/Rapporter/TR/tr11-01.zip (data)
2011: https://www.dmi.dk/fileadmin/Rapporter/TR/tr12-01.zip (data)
2012: https://www.dmi.dk/fileadmin/Rapporter/TR/tr13-01.zip (data)
2013: https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2014/Tr14-01.pdf (report)
2013: https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2014/Tr14-01.zip (data)
2014: https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2015/Tr15-01.zip (data)
2015: https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2016/DMIRep16-01.zip (data)
2016: https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2017/DMIRep17-01.zip (data)

Keywords: The annual climate of Denmark, Nuuk, Greenland, Tórshavn, The Faroe Islands, country-wise values, normals, temperature, precipitation, hours of bright sunshine, global temperature (in selected reports)
Annual Bulletin from 1999: Automatic Rain Gauge Network of The Water Pollution Committee of The Society of Danish Engineers (Danish abbreviation SVK):

1999: [https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/tr00-03.pdf](https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/tr00-03.pdf) (report)
2005: [https://www.dmi.dk/fileadmin/Rapporter/TR/TR_06-03.pdf](https://www.dmi.dk/fileadmin/Rapporter/TR/TR_06-03.pdf) (report)
2006: [https://www.dmi.dk/fileadmin/Rapporter/TR/TR_07-03.pdf](https://www.dmi.dk/fileadmin/Rapporter/TR/TR_07-03.pdf) (report)
2007: [https://www.dmi.dk/fileadmin/Rapporter/TR/TR_08-06.pdf](https://www.dmi.dk/fileadmin/Rapporter/TR/TR_08-06.pdf) (report)
2008: [https://www.dmi.dk/fileadmin/Rapporter/TR/TR_09-03.pdf](https://www.dmi.dk/fileadmin/Rapporter/TR/TR_09-03.pdf) (report)
2009: [https://www.dmi.dk/fileadmin/Rapporter/TR/TR_10-03.pdf](https://www.dmi.dk/fileadmin/Rapporter/TR/TR_10-03.pdf) (report)
2010: [https://www.dmi.dk/fileadmin/Rapporter/TR/TR_11-03.pdf](https://www.dmi.dk/fileadmin/Rapporter/TR/TR_11-03.pdf) (report)
2011: [https://www.dmi.dk/fileadmin/Rapporter/TR/TR_12-03.pdf](https://www.dmi.dk/fileadmin/Rapporter/TR/TR_12-03.pdf) (report)
2012: [https://www.dmi.dk/fileadmin/Rapporter/TR/TR_13-03.pdf](https://www.dmi.dk/fileadmin/Rapporter/TR/TR_13-03.pdf) (report)
2013: [https://www.dmi.dk/fileadmin/Rapporter/TR/TR_14-03.pdf](https://www.dmi.dk/fileadmin/Rapporter/TR/TR_14-03.pdf) (report)
2014: [https://www.dmi.dk/fileadmin/Rapporter/TR/TR_15-03.pdf](https://www.dmi.dk/fileadmin/Rapporter/TR/TR_15-03.pdf) (report)
2015: [https://www.dmi.dk/fileadmin/Rapporter/TR/TR_16_3_version2.pdf](https://www.dmi.dk/fileadmin/Rapporter/TR/TR_16_3_version2.pdf) (report)
2016: [https://www.dmi.dk/fileadmin/Rapporter/TR/TR_17-03.pdf](https://www.dmi.dk/fileadmin/Rapporter/TR/TR_17-03.pdf) (report)

**Keywords:** Rain intensity, accumulated precipitation, extreme statistics, record breaking events, Denmark, automatic rain gauge network, The Water Pollution Committee of The Society of Danish Engineers, SVK

Heating degree days (uncorrected) monthly, seasonal and annual surveys (Danish only):
https://www.dmi.dk/vejrarkiv/maaneden-saeson-og-aarets-vejr/tabeller-maaned/
https://www.dmi.dk/vejrarkiv/maaneden-saeson-og-aarets-vejr/tabeller-saeson/
https://www.dmi.dk/vejrarkiv/maaneden-saeson-og-aarets-vejr/tabeller-aar/

**Keywords:** Monthly, seasonal and annual accumulated heating degree days, Denmark, normals

Heating degree days September 1997 – August 2003 (Danish only):

**Keywords:** Monthly accumulated heating degree days, Denmark, normals, temperature, wind correction, radiation

Heating degree days September 2003 – September 2011 (Danish only):
[https://www.dmi.dk/fileadmin/Rapporter/TR/tr11-17.pdf](https://www.dmi.dk/fileadmin/Rapporter/TR/tr11-17.pdf) (report)

**Keywords:** Monthly accumulated heating degree days, Denmark, normals, temperature, wind correction, radiation

Monthly key climatic country-wise values, Denmark 1970-2009:
1990-1999: [https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2000/tr00-08.pdf](https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2000/tr00-08.pdf) (report)

**Keywords:** Country-wise values, Denmark, normals, temperature, precipitation, weather, hours of bright sunshine, cloud cover, wind, atmospheric air pressure, humidity

Climatological standard normals for Denmark 1961-90 – country-wise values (Danish only):
[https://www.dmi.dk/vejrarkiv/normaler-danmark/](https://www.dmi.dk/vejrarkiv/normaler-danmark/)

**Keywords:** Climatological standard normals 1961-90, Denmark, country-wise values, temperature, precipitation, hours of bright sunshine
Climatological averages for Denmark 2006-2015 – counties, country-wise values (Danish only):
https://www.dmi.dk/vejrarkiv/
Keywords: Climatological average 2006-2015, Denmark, counties, country-wise values, temperature, precipitation, hours of bright sunshine

Climatological averages for Denmark 2006-15; country-wise values (Danish only):
https://www.dmi.dk/vejrarkiv/normaler-danmark/
Keywords: Climatological average 2006-2015, Denmark, country-wise values, temperature, precipitation, hours of bright sunshine

Climate extremes in Denmark since 1874 (Danish only):
https://www.dmi.dk/vejrarkiv/vejrekstremer-danmark/
Keywords: Climate extremes, Denmark, temperature, precipitation, hours of bright sunshine, atmospheric air pressure, wind speed, wind gust, water level

Storms in Denmark since 1891:
https://www.dmi.dk/fileadmin/user_upload/Bruger_upload/Stormlisten/STORMS_IN_DENMARK_SINCE_1891.pdf (report)
Keywords: Historical Storm classification, Denmark, wind direction, wind speed, wind force Beaufort, snow storm

Storms and extreme wind in Denmark (Danish only):
Keywords: Storm, extreme wind, Denmark, status

Extreme precipitation in Denmark (Danish only):
Keywords: Extreme precipitation, Denmark, status

Past Climate (theme) (Danish only):
https://www.dmi.dk/klima/temaforside-klimaet-frem-til-i-dag/
Keywords: Denmark, The Faroe Islands, Greenland, global, temperature, precipitation, hours of bright sunshine, wind, storms

Future Climate (theme) (Danish only):
https://www.dmi.dk/klima/temaforside-fremtidens-klima/
Keywords: Denmark, Greenland, global, temperature, precipitation, wind, storms, extreme weather, changes

Weather observations in Denmark (Danish only):
https://www.dmi.dk/danmark/
Keywords: Weather observations, Denmark, station data, graphics, temperature, wind, precipitation, clouds, weather type, humidity, atmospheric air pressure forecast, animation

Latest 24-hour weather observations, Denmark (Danish only):
https://www.dmi.dk/maalinger-seneste-24-timer/
Keywords: Weather observations every 10 minutes, temperature, wind, precipitation, clouds, weather type, humidity, atmospheric air pressure, Denmark

Sea level in Denmark (Danish only):
https://www.dmi.dk/danmark/
Keywords: Sea level, Denmark, graphics, forecast, animation, nautical information

Latest 24-hour sea level in Denmark (Danish only):
https://www.dmi.dk/maalinger-seneste-24-timer/
Keywords: Sea level, Denmark, station data, forecast, nautical information
Future sea level in Denmark (Danish only):
https://www.dmi.dk/klima/temaforside-fremtidens-klima/
*Keywords: Sea level, Denmark, future, nautical information*

Storm surge in Denmark (theme) (Danish only):
https://www.dmi.dk/hav-og-is/temaforside-stormflod/
*Keywords: Storm surge, Denmark, nautical information*

Latest 24-hour water temperature in Denmark (Danish only):
https://www.dmi.dk/maalinger-seneste-24-timer/
*Keywords: Water temperature, Denmark, station data, nautical information*

Sea surface temperature in Denmark (Danish only):
https://www.dmi.dk/danmark/
*Keywords: Sea surface temperature, Denmark, graphics, forecast, animation, nautical information*

Water current in Denmark (Danish only):
https://www.dmi.dk/danmark/
*Keywords: Water current, Denmark, graphics, forecast, animation, nautical information*

Waves at sea in Denmark (Danish only):
https://www.dmi.dk/danmark/
*Keywords: Waves at sea, Denmark, graphics, forecast, animation, nautical information*

Tides, Tidal Tables; Denmark (Danish only):
https://www.dmi.dk/hav-og-is/temaforside-tidevand/ (theme)
https://www.dmi.dk/hav-og-is/temaforside-tidevand/tidevandstabeller-for-danmark/ (tidal tables)
*Keywords: Tides, tidal tables, Denmark, forecast, nautical information*

Lightning, Denmark (Danish only):
https://www.dmi.dk/danmark/
https://www.dmi.dk/vejrarkiv/ (archive)
https://www.dmi.dk/vejr-og-atmosfare/temaforside-lyn-og-torden/ (theme)
*Keywords: Lightning, thunder, animation, Denmark*

Ozone (theme), Denmark (Danish only):
https://www.dmi.dk/vejr-og-atmosfare/temaforside-ozonlaget-og-uv-straaling/
*Keywords: Ozone, Denmark*

UV-index, Denmark (location weather i.e. Odense) (Danish only):
https://www.dmi.dk/lokation/show/DK/2615876/Odense/
https://www.dmi.dk/vejr-og-atmosfare/temaforside-ozonlaget-og-uv-straaling/ (theme)
*Keywords: UV-index, Denmark*

Pollen, Denmark (Danish only):
https://www.dmi.dk/danmark/
https://www.dmi.dk/dmis-vejrprodukter/pollen/
https://www.dmi.dk/vejr-og-atmosfare/temaforside-pollen-en-luftbaaren-plage/ (theme)
*Keywords: Pollen, Denmark*

Pollen Calendar, Denmark (Danish only):
https://hoefeber.astma-allergi.dk/pollenkalender_test
*Keywords: Pollen, Calendar, statistics, Denmark*

Weather radar, Denmark (Danish only):
https://www.dmi.dk/danmark/
*Keywords: Weather radar, precipitation, animation, Denmark*
Drought index, Denmark (Danish only):
https://www.dmi.dk/vejrarkiv/ (index)
https://www.dmi.dk/fileadmin/Rapporter/TR/tr09-08.pdf (methods)
*Keywords: Drought, Denmark*

Satellite observations (Danish only):
https://www.dmi.dk/danmark/
*Keywords: Satellite observations, Denmark, North Europe, animation, visual*

Road conditions (Danish only):
https://www.dmi.dk/danmark/
*Keywords: Road conditions, Denmark, animation*

Snow depth, Denmark (Danish only):
https://www.dmi.dk/vejrarkiv/
*Keywords: Snow depth, Denmark*
3.3. Data collections (regularly updated derived data), www.dmi.dk (freely available)

DMI Historical Data Collection since 1768 - Denmark:

Keywords: Atmospheric air pressure observations, country-wise monthly values, normals, extremes, time series, graphics, storm list, daily, monthly and annual climate data, temperature, atmospheric air pressure, precipitation, hours of bright sunshine, snow cover, cloud cover, description of the weather, the weather during Eastern, Christmas and Midsummer Day, record breaking events, NACD, WASA, ACCORD, ECSN, ECA&D, REWARD, NORDKLIM, NARP, Denmark

Extreme value analysis of daily and five days accumulated precipitation for 38 selected Danish precipitation series; 1872- September 2014 (5 stations) and 1961- September 2014 (33 stations) (Danish only):

Keywords: Extreme precipitation, daily and five days accumulated precipitation, extreme value analysis, return periods, Denmark

Sea level, Denmark, monthly mean, maximum and minimum, 14 sea level stations, 1889-2012
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2013/year.csv  (data/year)
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2013/month.csv  (data/month)

Keywords: Sea level, Denmark, monthly and annual values, mean, maximum and minimum, graphics, 14 sea level stations, 1889-2012, nautical information

Hourly values of sea level observations from two stations in Denmark - Hornbæk 1890-2012 and Gedser 1891-2012:
https://www.dmi.dk/fileadmin/user_upload/Rapporter/tr13-14.zip  (data)

Keywords: Sea level observations, hourly values, Denmark, Hornbæk, Gedser, nautical information

Tide tables for Danish waters from 2016

Keywords: Tide tables, Denmark, nautical information
3.4. Data collections (irregularly updated derived data), www.dmi.dk (freely available)

Metadata, selected climatological and synoptic stations, 1750-1996:
Keywords: Metadata, NACD, Denmark, The Faroe Islands, Greenland, time series

Weather Statistics for Airports 1996-2001 Denmark, Faroe Islands and Greenland:
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2003/tr03-03.pdf (report)
Keywords: Weather statistics 1996-2001, seasons, airports, Denmark, The Faroe Islands, Greenland, METAR, key climatic figures, temperature, humidity, wind, days with fog and snow, clear and cloudy days, precipitation, frequencies, visibility, cloud heights, wind speed, wind direction, hourly and monthly distribution of observations, aeronautical information

Weather Statistics for Airports 2003-2012 Denmark and Faroe Islands:
Keywords: Weather statistics 2003-2012, seasons, airports, Denmark, The Faroe Islands, METAR, visibility, ceiling, wind, wind roses, aeronautical information
3.5. Data collections (stand alone; could be updated if decided), www.dmi.dk (freely available)

NACD, North Atlantic Climatological Dataset:
https://www.dmi.dk/fileadmin/Rapporter/SR/sr96-1.zip (data)
Keywords: NACD, Northern North Atlantic, climate, datasets, temperature, air humidity, wind, air pressure, sunshine, radiation, precipitation, weather, cloud cover, snow depth, Denmark, Greenland, The Faroe Islands, Sweden, Norway, Finland, Iceland, Germany, Netherlands, Belgium, Poland, United Kingdom

Climate data set 1971-2000 gathered in connection with the EUMETNET/ECSN programme "European Climate Atlas":
https://www.dmi.dk/fileadmin/Rapporter/TR/tr05-14.pdf (report)
https://www.dmi.dk/fileadmin/Rapporter/TR/tr05-14.zip (data)
Keywords: European climate normals 1971-2000, ECSN, EUMETNET, European Climate Atlas, Europe, temperature, precipitation, hours of bright sunshine, wind, occurrence of thunder, hail, snow falling, fog

Danish Climatological Normals 1971-2000 for European Climate Atlas:
Keywords: Danish Climate normals 1971-2000, European climate normals 1971-2000, ECSN, EUMETNET, European Climate Atlas, Europe, temperature, precipitation, hours of bright sunshine, wind, occurrence of thunder, hail, snow falling, fog

Danish Monthly Climate Statistics 1971-2000 to ECMWF - for verification and development in connection with the set-up of a "Severe Weather Forecasting System"
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2002/tr02-14.zip (data)
Keywords: Danish Monthly Climate Statistics 1971-2000, ECMWF, Denmark, temperature, wind, precipitation, percentiles

New monthly accumulated hours of bright sunshine normals for Denmark (Star level), 1961-1990:
Keywords: New standard monthly/ annual normals 1961-1990, Denmark, converted Casella to STAR level

Country-wise new monthly and annual values of hours of bright sunshine 1920-2002 – converted to STAR level (Danish only):
Keywords: Country-wise monthly and annual values of sunshine, Denmark, converted from Casella to STAR level

Monthly and annual hours of bright sunshine in Denmark (Casella-level), 1961-1990. Country-wise standard normals and maps (Danish only):
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2001/tr01-08.pdf (report)
Keywords: Monthly and annual hours of bright sunshine, standard normals 1961-90, Denmark, country-wise values, maps

The global climate – climate normals 1931-60. Guide to weather and climate in 156 countries (Danish only):
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2001/tr01-17.pdf (report)
Keywords: Global monthly and annual standard normals 1931-60, temperature, precipitation, hours of bright sunshine, relative humidity, wind, days with frost, water temperature

Daily Temperature Normals 1961-90 - Denmark, The Faroe Islands and Greenland:
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2000/tr00-17.pdf (report)
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2000/tr00-17.zip (data)
Keywords: Daily Temperature Normals 1961-90, Denmark, The Faroe Islands, Greenland, smoothing technics
CLIMATE GRID DENMARK - monthly and annual normals 1961-90. Precipitation 10*10, 20*20 & 40*40 km, Temperature and potential evaporation 20*20 & 40*40 km (Danish only):
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2000/tr00-11.zip (data)
Keywords: Climate grid Denmark, normals 1961-90, precipitation, temperature, potential evaporation

World Weather Records from 1991 - Denmark, The Faroe Islands and Greenland:
2001-2010: https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2014/tr14-10.zip (data)

Danish Monthly and Annual Climatological Normals 1971-2000 - for selected stations:
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2002/tr02-12.zip (data)
Keywords: Danish monthly and annual climate normals 1971-2000, European Climate Atlas, temperature, precipitation, hours of bright sunshine, wind, occurrence of thunder, hail, snow falling and fog

Observed Wind Speed and Direction in Denmark 1961-1998 - with Climatological Standard Normals, 1961-90:
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/1999/data_files.zip (data)
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/1999/wind_roses.zip (graphical wind roses)
Keywords: Danish monthly and annual wind normals 1961-90, wind roses, monthly and annual climate data set 1961-98, wind speed, wind direction, highest wind gust, most frequent wind direction, number of days with breeze, strong gale, whole gale

Observed Air Temperature, Humidity, Atmospheric Air Pressure, Cloud Cover and Weather in Denmark 1961-1998 - with Climatological Standard Normals, 1961-90:
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/1999/tr99-5.zip (data)
Keywords: Danish monthly and annual climate normals 1961-90, temperature, humidity, atmospheric air pressure, cloud cover, weather, monthly and annual climate data set 1961-98, frost cycles, average first and last dates of frost, average first and last dates for summer days, daily variation in relative humidity, absolute humidity, number of days with thunder, fog, frost, ice days, tropical nights, cold days, snow falling, clear and cloudy days, heating degree days

Observed Hours of Bright Sunshine in Denmark 1876 – 1997 (Casella level) - with Climatological Standard Normals, 1961-90:
Keywords: Hours of bright sunshine, Casella level, monthly and annual climate normals 1961-90, Denmark, monthly and annual climate data set 1876-1997

Observed Precipitation in Denmark, 1961-90:
Keywords: Precipitation, monthly and annual climate normals 1961-90, Denmark, counties, maps, shelter class, data quality, monthly and annual climate data set 1961-90
Keywords: Mean sea level atmospheric air pressure observations 1868-1995, 3-4 observations/day, 22 stations, Atlantic-European region, reduction to mean sea level

Temperature measurements in Copenhagen from 1767 to 1860:
https://www.dmi.dk/fileadmin/Rapporter/TR/rundetaarn_data.zip (data)
Keywords: Temperature measurements, Denmark, Copenhagen, Astronomical tower, Rundetårn, Old Botanical Garden.

Extreme value analysis of daily and five days accumulated precipitation for 112 selected Danish precipitation series 1961-2010 (Danish only):
https://www.dmi.dk/fileadmin/Rapporter/TR/tr10-17.pdf (report)
https://www.dmi.dk/fileadmin/Rapporter/TR/tr10-17.txt (data)
Keywords: Extreme precipitation, daily/five days accumulated precipitation, extreme value analysis, return periods, Denmark

Extreme Value Analysis of 96 Daily Series of Precipitation, Denmark 1961-2010:
https://www.dmi.dk/fileadmin/Rapporter/TR/tr11-08.pdf (report)
https://www.dmi.dk/fileadmin/Rapporter/TR/tr11-08.txt (data)
Keywords: Extreme precipitation, daily/ five days accumulated precipitation, extreme value analysis, return periods, Denmark

Extreme Value Analysis of Precipitation, Denmark 1874-2010 (Danish only):
Keywords: Extreme precipitation, daily accumulated precipitation, extreme value analysis, return periods, long records, Denmark

Extreme value analysis of daily and five days accumulated precipitation for 38 selected Danish precipitation series; 1872-2011 (5 stations) and 1961-2011 (33 stations) (Danish only):
https://www.dmi.dk/fileadmin/Rapporter/TR/tr12-06.pdf (report)
https://www.dmi.dk/fileadmin/Rapporter/TR/tr12-06.zip (data)
Keywords: Extreme precipitation, daily/five days accumulated precipitation, extreme value analysis, return periods, Denmark

Decadal Climate Summary 1901-2010 and Temperature Ranking 2001-2010 - Denmark, The Faroe Islands and Greenland:
https://www.dmi.dk/fileadmin/Rapporter/TR/tr11-14.zip (data)
Keywords: Decadal climate summary 1901-2010, temperature rankings 2001-2010, selected stations, Denmark, The Faroe Islands, Greenland, mean temperature, highest/lowest temperature, highest 24 hour precipitation

Monthly means and extremes 1961-1990 and 1981-2010 for air temperature, atmospheric air pressure, hours of bright sunshine and precipitation - Denmark, The Faroe Islands and Greenland:
https://www.dmi.dk/fileadmin/Rapporter/TR/tr11-20.zip (data)
Keywords: Climate summary, means, extremes, 1961-1990, 1981-2010, air temperature, atmospheric air pressure, hours of bright sunshine, accumulated precipitation, 24-hour rainfall, Denmark, The Faroe Islands, Greenland, DMI monthly climate data collection, NFCS
https://dmi.dk/fileadmin/Rapporter/TR/tr12-10_10x10km.zip (data)
https://dmi.dk/fileadmin/Rapporter/TR/tr12-10_20x20km.zip (data)
Keywords: Climate grid Denmark, daily and monthly values 1989-2010, precipitation, temperature, potential evaporation (Makkink), wind speed, global radiation

https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2012/TR12-24.zip (data)
Keywords: Reference values, Denmark, regions, country, daily, monthly and yearly values, data 2001 – 2010, temperature, relative humidity, wind speed, radiation, precipitation

https://www.dmi.dk/fileadmin/Rapporter/TR/tr12-23.zip (data)
Keywords: Reference values, Denmark, maps, monthly and yearly values, data 2001 – 2010, temperature, relative humidity, wind speed, radiation, precipitation

https://www.dmi.dk/fileadmin/Rapporter/TR/tr13-08.zip (data)
Keywords: Reference values, Denmark, stations, monthly and yearly values, data 2001 – 2010, temperature, relative humidity, wind speed, radiation, precipitation

Monthly and yearly reference values, Denmark, grid, 10x10 km precipitation, 20x20 km for temperature, relative humidity, wind speed, radiation and precipitation, data 2001 – 2010 https://www.dmi.dk/fileadmin/Rapporter/TR/tr13-09.pdf (report)
https://www.dmi.dk/fileadmin/Rapporter/TR/tr13-09.zip (data)
Keywords: Reference values, Denmark, grid, 10x10 km precipitation, 20x20 km for temperature, relative humidity, wind speed, radiation, precipitation, data set, 2001 – 2010

https://www.dmi.dk/fileadmin/Rapporter/TR/tr13-10.zip (data)
Keywords: Reference values, Denmark, degree days, stations, data set, 2001 – 2010

2001 - 2010 Design Reference Year for Denmark – Data set for technical design, global radiation, relative humidity, temperature, wind speed plus diffuse radiation and illuminance
https://dmi.dk/fileadmin/Rapporter/TR/tr12-17.pdf (report)
https://dmi.dk/fileadmin/Rapporter/TR/tr12-17.zip (data)
Keywords: DRY, Danish Design Reference Year, Denmark, data set, 2001-2010, technical design, global radiation, relative humidity, temperature, wind speed plus diffuse radiation, illuminance

2001 - 2010 Danish Design Reference Year – dataset Supplement
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2013/TR13-18.zip (data)
Keywords: DRY, Danish Design Reference Year, 2001-2010, data set, technical design, atmospheric air pressure, wind direction, cloud cover, water temperature, soil temperature
2001 - 2010 Danish Design Reference Year - Reference Climate Dataset for Technical Dimensioning in Building, Construction and other Sectors

https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2013/TR13-19_building_permit.zip (data)
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2013/TR13-19_DRY.zip (data)

Keywords: DRY, Danish Design Reference Year, Denmark, 2001-2010, data set, technical design, atmospheric air pressure, global radiation, cloud cover, soil temperature, sea temperature, diffuse irradiance, illuminance
3.6. Miscellaneous (stand alone; could be updated if decided), www.dmi.dk (freely available)

Daily Climate Data to Odense Pilot River Basin, 1990-2003:
Keywords: climate data set, 1990-2003, Odense Pilot River Basin, European Union, Water Framework Directive (WFD), Integrated river basin management for Europe, daily precipitation, temperature, solar radiation, resulting wind vector speed, resulting wind direction vector, relative humidity and potential evaporation

Climate Meta Data Information Example (Monthly Time Series Database):
Keywords: metadata-information, DMI monthly time series database

Downscaling of wind speed from 06159 Røsnæs Fyr (Danish only):
Keywords: Wind speed, downscaling, WASP

Recalculation of hours of bright sunshine – from Casella instrument to Star pyranometer (Danish only):
Keywords: Technical details, casella, Star, re-calculation factors

Calculation results concerning the water balance in Denmark – Climate grid Denmark, precipitation and evaporation 1990-2000 (Danish only)
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2002/tr02-03.pdf (report)
Keywords: Water balance, Denmark, technical note, precipitation, evaporation, climate grid Denmark

CLIMATE GRID DENMARK - precipitation, temperature and potential evaporation 20*20 & 40*40 km - description of method (Danish only):
Keywords: Climate grid Denmark, precipitation, temperature, potential evaporation, grid values, methods

CLIMATE GRID DENMARK - Precipitation 10*10 km – description of method (Danish only):
Keywords: Climate grid Denmark, precipitation, grid values, methods

CLIMATE GRID DENMARK – Practical use of corrections of precipitation on grid values (Danish only):
Keywords: Climate grid Denmark, correction of precipitation, grid values

CLIMATE GRID DENMARK - Comparison between potential evaporation calculated from the modified Penman formula with and without a revised regulation of the air humidity (Danish only):
Keywords: Climate grid Denmark, potential evaporation, comparison, modified Penman formula, humidity

CLIMATE GRID DENMARK - Comparison between potential evaporation calculated from Makkinks formula and modified Penman formula (Danish only):
Keywords: Climate grid Denmark, Potential evaporation, comparison, Makkinks formula, modified Penman formula

CLIMATE GRID DENMARK – documentation and validation, 1x1 km (Danish only):
Keywords: Climate grid Denmark, precipitation, temperature, wind speed, radiation, grid values, 1x1 km, 10x10 km
Correction of precipitation: Description of correction system and methods (Danish only):  
Keywords: Correction of precipitation, wind effect, wetting lose, correction system, methods

Correction of precipitation - Standard values 1961-90 (Danish only):  
Keywords: Correction of precipitation, standard values, 1961-90, wind effect, wetting lose

Correction of precipitation: Correction of manually measured precipitation in Denmark and descriptions of sources of errors on calculations (Danish only):  
Keywords: Correction of precipitation, wind effect, wetting lose, sources of errors

Correction of precipitation: Annual corrections, selected stations, NOVA (Danish Aquatic Monitoring and Assessment Programme) project, 1989-2001:  
1999: https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2000/tr00-15.pdf (report) (Danish only)  
2000: https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2001/tr01-09.pdf (report) (Danish only)  
2001: https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2002/tr02-08.pdf (report) (Danish only)  
Keywords: Correction of precipitation, annual corrections, NOVA (Danish Aquatic Monitoring and Assessment Programme), wind effect, wetting lose

Correction of precipitation: Pilot Project: Special report concerning correction on the Danish island Samsø, 1989-2003 (Danish only):  
https://www.dmi.dk/fileadmin/Rapporter/TR/tr05-16.pdf (report)  
Keywords: Correction of precipitation, Samsø, wind effect, wetting lose

Corrected precipitation; Data delivery to DCE - National Center for Miljø og Energi, Aarhus University; 1989-2010, 2011-2012 & 2013:  
Keywords: Denmark, precipitation, 1989-2013

Contribution from DMI concerning United Nation Climate Convention UNFCCC - fourth national communication of Denmark (Danish only):  
https://www.dmi.dk/fileadmin/Rapporter/DKC/dkcr05-03.pdf (report)  
Keyword: UNFCC, United Nation, Climate Convention, Denmark, The Faroe Islands, Greenland, climate, future scenarios, climate change, ozone, oceanography

National Report on Global Climate Observing Systems (GCOS) Denmark, Greenland and the Faroe Islands  
Keyword: National Report, Global Climate Observing Systems, GCOS, Global Climate Observing System, UNFCC, United Nation, Climate Convention, Denmark, The Faroe Islands, Greenland, observing systems, climate observations

The weather and climate in Denmark in the 20. Century (Danish only):  
https://www.dmi.dk/fileadmin/Rapporter/DKC/Dkc01-5.pdf (report) (cover with introduction)  
https://www.dmi.dk/fileadmin/Rapporter/DKC/Dkc01-5-artikel2.pdf (report) (Danmarks klima i det 20. århundrede)  
Keywords: Weather and climate in the 20. Century, Denmark, Danish Meteorological Society, DaMS, The Danish magazine “Vejret”, climate change, weather history
Deviations from mean sea level at Danish Coasts (Danish only):
Keywords: Sea level, high water, low water, Denmark, 1970-1990, Esbjerg, 1889-1990, nautical information

Salt and sea temperature conditions in the Danish Sea (Danish only):
Keywords: Sea temperature, salinity, water specific gravity, Denmark, 1931-1993, nautical information

Danish Weather Observations 1675-1715:
Keywords: weather observations from naval ships, 1675-1715, Danish logbooks, Denmark, cloud cover, weather, snow, rain, fog, thunder, wind direction, wind force

The North Atlantic Climatological Dataset (NACD). Documented Station History, 25140 Nordby, Fano 1871-1994 (Danish only):
Keywords: Station history, metadata, NACD, Nordby, Denmark

The North Atlantic Climatological Dataset (NACD). Documented Station History, 21100 Vestervig 1872-1994 (Danish only):
Keywords: Station history, metadata, NACD, Vestervig, Denmark

The North Atlantic Climatological Dataset (NACD). Documented Station History, 27080 Tranebjerg, Samsø 1871-1994 (Danish only):
Keywords: Station history, metadata, NACD, Tranebjerg, Denmark

The North Atlantic Climatological Dataset (NACD). Documented Station History, 30380 Landbohøjskole, København 1861-1994 (Danish only):
Keywords: Station history, metadata, NACD, København, Denmark

The North Atlantic Climatological Dataset (NACD). Documented Station History, 32030 Sandvig and light houses at Hammeren, Bornholm 1872-1994 (Danish only):
Keywords: Station history, metadata, NACD, Sandvig, Hammeren, Denmark

The North Atlantic Climatological Dataset (NACD). Instruments and Reconstructions. Illustrated going through of Archive Material (Danish only):
Keywords: Metadata, NACD, instruments, reconstructions, archive material, temperature, atmospheric air pressure, precipitation, wind, sunshine, NACD, WASA

Summary of Meta data from NACD-stations in Denmark, Greenland and the Faroe Islands 1872-1994:
Keywords: Station history, metadata, Summary, NACD, Denmark, The Faroe Islands, Greenland

Correction, reduction and Homogenization of Barometer Records:
Keywords: Metadata, atmospheric air pressure, barometer corrections, barometer reductions, adjustments, gravity, index errors, homogenisation

Homogeneity test of climatological data.
Keywords: Homogeneity test, Climate data, SNHT, methods, procedures
Quality control/indication on automatic precipitation measurements. 
*Keywords: Quality control/indication, automatic precipitation measurements, methods, procedures, SVK, Denmark*

Analysis of sea level observations from Copenhagen harbour 2005-2009 (Danish only): 
*Keywords: Sea level observations, 10 minutes values, Copenhagen, Denmark, nautical information*

Monthly means, maximums and minimums from 14 sea level stations based on hourly values from 2012 (Danish only): 
*Keywords: Sea level observations, monthly values, mean, maximum, minimum, 2012, Denmark, nautical information*

Analysis and comparison of Hellmann and Pluvio rain gauges. Data from the period 15 December 2009 - 15 October 2010 (Danish only): 
https://www.dmi.dk/fileadmin/Rapporter/TR/tr10-16.zip (data)
*Keywords: Precipitation, rain gauge, Hellman, Pluvio, Denmark*

Wind statistics for Danish Coastal stations in the period 2001-2010 – frequencies of mean wind speed greater than or equal 13.9 m/s (near gale, wind force 7 and up) (Danish only): 
https://www.dmi.dk/fileadmin/Rapporter/TR/tr12-07.pdf (report)  
https://www.dmi.dk/fileadmin/Rapporter/TR/tr12-07.zip (data)
*Keywords: Wind speed, frequencies, hourly observations, near gale, coastal stations, Denmark*

Future climate change in Denmark (Danish only): 
*Keywords: Temperature, precipitation, water level, climate, changes, Denmark*

Ozone layer over Denmark and Greenland 1979-2016 (Danish only): 
*Keywords: Ozone layer, thickness, Denmark, Greenland*

Climate and weather. Danish Counties (Danish only): 
*Keywords: Climate, weather, 98 Danish counties, Denmark, 2006-2015, temperature, precipitation, hours of bright sunshine, text, graphs, tables*

Climate and weather. Danish Counties and Denmark (Danish only): 
*Keywords: Climate, weather, 98 Danish counties, Denmark, 2006-2015, temperature, precipitation, hours of bright sunshine, text, graphs, tables*
3.7. Older climate publications (selected) before www.dmi.dk (only on paper if available)

Available through DMI phone +45 3915 7500. Another possibility is a Danish library https://bibliotek.dk or the Danish National Archive https://www.sa.dk

3.7.1 Climatological Publications/Data Collections


Keywords: Storm, storm surge, Baltic Sea, weather, water level, atmospheric air pressure, wind speed, November 1872

I’Académie Royal Danoise des Sciences; Holten, C (1867): Tables Meteorologiques de Copenhague 1866-70

Keywords: Meteorological Observations and tables 1866-70, Copenhagen

Willaume-Jantzen V.: Det Danske Meteorologiske Institut (1896): Meteorologiske observationer i Kjøbenhavn

Keywords: Observations from Copenhagen 1751-1893, monthly values, temperature, atmospheric air pressure, wind direction, wind speed, wind frequencies, precipitation, cloud cover, humidity, vapour pressure, number of days with frost, precipitation, snowfall, hail, fog, thunder, clear and dark days

Det Danske Meteorologiske Institut (1933): Danmarks Klima, belyst ved Tabeller og Kort.

Keywords: The Climate of Denmark, monthly values 1873(1876)-1925, stations, atmospheric air pressure, wind, temperature, cloud cover, hours of bright sunshine, humidity, precipitation, observations from light wessels, climatological tables, climatological maps

Lysgaard L. (1967): The variation of the temperature and the precipitation in Copenhagen. Running normals 1798-1887

Keywords: Normals, Copenhagen, temperature, precipitation, 1798-1887


Det Danske Meteorologiske Institut Meddelelser nr.19, Charlottenlund, 1969.

Keywords: Monthly and annual climatological standard normals 1931-60, Denmark, stations, atmospheric air pressure, wind, temperature, hours of bright sunshine, humidity, precipitation


Keywords: Country-wise climate parameters 1874-1960, monthly values, temperature, precipitation, cloud cover, hours of bright sunshine, summer days, ice days, number of days with snowfall, frost, fog and thunder


Keywords: Wind, Denmark, 1870-1988


Det Danske Meteorologiske Institut, Klimatologiske Meddelelser no.1, Charlottenlund, 1971.

Keywords: Monthly and annual climatological standard normals 1931-60, Denmark, wind, wind roses, wind maps

Madsen H.: Korrektion af nedbørmålinger - Correction of precipitation measurements.

Det Danske Meteorologiske Institut, Klimatologiske meddelelser no. 2, København 1972.

Keywords: Correction of precipitation measurements, Denmark
Madsen H., Allerup P.: Danmarks Klima, analyse af snedækkedage.
Det Danske Meteorologiske Institut, Klimatologiske meddelelser no. 3, København 1975.
*Keywords: Analysis of snow cover days 1937-1971 and 1956-1971*

Det Danske Meteorologiske Institut, Klimatologiske Meddelelser no.4, København, 1978.
*Keywords: Climate change, proceedings, Nordic Symposium*

Allerup P., Madsen H.: Accuracy of point precipitation measurements.
Det Danske Meteorologiske Institut, Klimatologiske meddelelser no. 5, København 1979.
*Keywords: Point precipitation measurements, Denmark, statistical model, aerodynamic influence, corrections, liquid precipitation, solid precipitation, exposure*

Det Danske Meteorologiske Institut, Klimatologiske meddelelser no. 6, København 1980.
*Keywords: Analysis of snow cover, winter 1977-1978, Denmark, Stevns region*

Allerup P.: A Statistical analysis of monthly precipitation in Denmark
Det Danske Meteorologiske Institut, Klimatologiske meddelelser no. 7, København 1981.
*Keywords: Precipitation, monthly values, Denmark, statistical analysis*

Meteorologisk Institut, Klimatologiske meddelelser no. 14, København 1985.
*Keywords: Snow, water equivalent, Denmark*

Teknologisk Institut, Opfinderkontoret, 1985.
*Keywords: Night frost, Denmark, forecast*

Frich P.: Klimatologiske ændringer af standardnormaler fra 1931-60 til 1961-90 for temperatur, nedbør, sol og vind.
*Keywords: Monthly and annual climatological standard normals, 1931-1960, 1961-1990, Denmark, temperature, precipitation, hours of bright sunshine, wind, progressive wind vector diagram*

### 3.7.2. Regularly annual climate data surveys

**1861-1872 "Beretninger fra det Kongelige Landhusholdningsselskabs meteorologiske Komité"**
Before the start of the Danish Meteorological Institute regularly observations were taken by "Det Kongelige Landhusholdnings-selskabs meteorologiske Komité" among others. This committee has according to knowledge published following:
*Annual reports "Årsberetning fra det Kongelige Landhusholdningsselskabs meteorologiske Komité 1861-72"
5 years reports "Femårsberetninger 1861-65 & 1866-70"
Monthly reports "Månedsberejningerne 1866-1873"

**1868-1872 "Meteorologisk Årbog 1873"**
A supplement with data from 3 Danish stations during the years 1868-1872 is a part of "Meteorologisk Årbog 1873".
1873–1983 “Meteorologisk Årbog”
From the start of the institute start year books have been published with varying content and size. A principal rule is that the publications contain descriptions, surveys and observations.

1873 – the very first yearbook, published as a joint volume, covering Denmark, Greenland and the Faroe Islands. Additionally a part is a supplement 1868-1872 with 3 danish stations.

From 1874, the ”Meteorologisk årbog” is divided in “parts”. The principal rule the following years is that:

Part 1 = The Kingdom of Denmark (“Kongeriget Danmark”)
Del 2 = “The colonies” (“Bilandene (Færøerne, Grønland, Island, Vestindien)"

From 1920 the “parts” are as follows:

Part 1 = Denmark + The Faroe Islands (”Danmark + Færøerne"
Part 2 = Greenland (“Grønland"

Additionally during the years 1880-1896 a part 3 is published:

Part 3 = ”Nautisk-Meteorologiske observationer i Danske Farvande"

This part 3 was published until 1896, where it was replaced by a separate publication.

Additionally for the years 1940-45 a joint volume was published:

”Meteorologisk Årbog - Tillæg - Færøerne 1940-45”

Summary 1873-1983 “Meteorologisk Årbog”

1873 Joint volume: Denmark, Greenland and the Faroe Islands, supplement 1868-1872 (3 Danish stations)
1874-1879 Part 1 (The Kingdom of Denmark) + Part 2 (The Faroe Islands, Greenland and other colonies)
1880-1896 Part 1 (The Kingdom of Denmark) + Part 2 (The Faroe Islands, Greenland and other colonies) + part 3 (Nautical)
1897-1919 Part 1 (The Kingdom of Denmark) + Part 2 (The Faroe Islands, Greenland and other colonies)
1920-1960 Part 1 (Denmark and The Faroe Islands) + Part 2 (Grønland)
1961-1970 Part 1 (Denmark and The Faroe Islands)
1971-1975 Not published
1976 Part 1 (Denmark and The Faroe Islands), without Greenland
1977-1978 Not published
1979-1983 Part 1 (Denmark and The Faroe Islands), without Greenland
1940-45 Supplement, The Faroe Islands
1987-1999 The Climate of Denmark “Danmarks Klima”

The annual publication “Danmarks Klima” has been published since 1987. The layout and content of the publication has during time changed, but generally the publication deals with the climate of Denmark.

Some of them have following supplements:

1987, 1988, 1989 Danish and English text
1988, 1989 Supplement The Faroe Islands and Greenland (Nuuk & Tórshavn)
1994, 1995, 1996 Supplement temperature graphics The Faroe Islands and Greenland (Nuuk & Tórshavn)

1989-1998 “Årsnotat - Spildevandskomitéens Regnmålersystem”
Annual Bulletin 1990 - 1998: Automatic Raingauge Network of The Water Pollution Committee of The Society of Danish Engineers (Danish abbreviation SVK). Before 1989 the annual bulletin was published from The Danish Technical University (DTU), Laboratoriet for Teknisk Hygiejne.

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3.7.3. Regularly monthly climate data surveys

1866-1873 “Vejrforholdene i < month><year> paa Landhusholdningsselskabets Stationer”

Before the start of the Danish Meteorological Institute regularly observations were carried out by "Det Kongelige Landhusholdnings-selskabs meteorologiske Komité" among others. This committee has according to knowledge published following:

Monthly report “Månedberetninger 1866-1873”
Annual report "Årsberetning fra det Kongelige Landhusholdningsselskabs meteorologiske Komité 1861-72”
5 year report “Femårsberetninger 1861-65 & 1866-70”

The monthly reports (every month from 1866 - March 1873) are handwritten/hectographed and include a general description plus monthly tables containing data from a number of stations (typically 11 stations). These monthly reports are replaced from 1. april 1873 by:

1873-1956 “Meteorologisk Institut, Oversigt over Vejrforholdene i < month><year>”

These reports are handwritten/hectographed including monthly means of various parameters from a number of stations (in the beginning 9 stations). The first publications contained 2 pages, but it was expanded and as early as in 1883 the publication included monthly figures, observations, maps and graphics from 104 stations on 10 pages. From 1 January 1875 the name of the publication changed to:

“Månedsoversigt over Vejrforholdene”, Meteorologisk Institut < month><year>”

From 1914 – the publication was changed to a typed version including monthly figures and maps as a supplement, but introducing daily observations of precipitation for the danish counties (this was actually the predecessor for the weekly report ”Ugeberetning”). This version continued until December 1956, where following note could be read on the last page: “Hermed ophører udsendelsen af månedsoversigten i den hidtidige skikkelse. Den vil fremtidigt komme som månedsstillæg til Meteorologisk Instituts “Ugeberetning om Nedbør mm” som heretter også vil udkomme i vinterhalvåret”.

Shortly speaking the monthly report, which have been issued unchanged since 1914, was cancelled but was planned to be continued as a supplement to the weekly report, which also was planned to be issued the year around.

From 1 January 1957 the monthly report was issued as follows:

“Ugeberetning om nedbør mm - Månedstillæg for < month><year>”

Including table surveys of various parameters and a two-sided look-up with daily values of minimum and maximum temperatures observed at many stations.

From January 1971 was extended with isohyet- and isotherm maps. In March 1987 the name of the publication was changed to without a change of the content:

"DK Vejr Månedberetning"

From July 1992 the publication was changed: the isohyet- and isotherm maps on the last page were left out, and the text describing the weather in the previous month was changed to “Pressemdelelsetekst Vejret i <month>” i.e. “Pressemdelelsetekst - Vejret i juli (The weather in July).

In October 1992 the publication was changed again: the two-sided look-up with daily values of minimum and maximum temperatures was left out. Hereafter the content was unchanged until the end of 1998.

1 January 1999 a major change was introduced. The report was no longer issued in a paper version, but only electronically as a pdf-document via DMI Internet/web pages with the name:

"DK Vejr: Månedberetning <year> - <month>”

The publication was adjusted as follows: The front- and last page were left out (result: only 1 page with data!). The text describing the weather in the previous month was changed was separated in a product, accessible via DMI Internet/web pages as the monthly weather “Månedens vejr” (i.e. the weather in Denmark July 2006, “Vejret i Danmark juli 2006”). The electronic version is continuously printed on paper and archived in the library at DMI.
3.7.4. Regularly weekly climate data surveys

Before 1956 “Maanedsoversigt over Vejrforholdene”, Meteorologisk Institut <month><year>
The publication of weekly reports the year around were started in 1957. Before that year daily observations of precipitation for the danish counties in the period 1914-1956 were included in the monthly report “Maanedsoversigt over Vejrforholdene”, Meteorologisk Institut <month><year> (this was actually the predecessor for the weekly report "Ugeberetning"). Additionally a separate weekly report “Ugeberetning om nedbør mm” was published in the period 1954 – 1956, but according to knowledge only for the months April to September.

1957 – February 1987 “Ugeberetning om nedbør mm”
From Januar 1957 “Ugeberetning om nedbør mm” were published every week the year around. From July 1984 the publication was expanded with 7 weather maps (one for each day of the previous week).

March 1987 – April 1992 “DK Vejr Ugeberetning”
In March 1987 the title was changed to "DK Vejr Ugeberetning" – but no change of the content.

April 1992 – now "Vejret i Danmark uge <week number>”
From week 18/April 1992 the title was changed to "Vejret i Danmark uge <week number>” and the weather maps were left out.

1 January 1995 the daily accumulated precipitation was replaced with a map of Denmark showing weekly accumulated precipitation.

1 January 1999 a major change was introduced. The report was no longer issued in a paper version, but only electronically as a pdf-document via DMI Internet/web pages with the name:

”DK Vejr: Ugeberetning <year> - <month>”

The publication was adjusted as follows: The front- and last page were left out (result: 2 pages with data!). The map of Denmark showing weekly accumulated precipitation introduced in 1995 was left out and the daily accumulated precipitation was reintroduced. The electronic version is continuously printed on paper and archived via the library at DMI.

3.7.5. Regularly daily climate data surveys and weather maps

1876 - 1981 “Meteorologisk Instituts Vejrberetning”
Weather maps and descriptions of the weather can be found as yearly hardback to 1904, hereafter as a quarter yearly hardback.

1984 - 1992 Weather maps in the weekly reports “Ugeberetning om nedbør mm” and "DK Vejr Ugeberetning”

From July 1984 the publication “Ugeberetning om nedbør mm” was expanded with 7 weather maps (one for each day of the previous week). In March 1987 the title was changed to "DK Vejr Ugeberetning” – but no change of the content. From week 18/April 1992 the title was changed to "Vejret i Danmark uge <week number>” and the weather maps were left out.

Daily (German) weather maps from 1981 -
In 1981 the publication of weather maps and descriptions of the weather “Meteorologisk Instituts Vejrberetning” from Meteorological Institute (MI) came to an end. From 1981 the Danish Meteorological Institute have obtained weather maps from Deutcher Wetterdienst DWD/Germany.

https://www.dmi.dk/publikationer/
3.7.6. Nautical publications

Nautical Data Collections

Sparre, A: Danmarks Klima Fyrskibsstatistik I. Vind, sigtbarhed, lufttemperatur, skydække og vejr. The Climate of Denmark, Summaries of Observations from Light Vessels I.
Wind, visibility, air temperature, cloud amount and weather.
Det Danske Meteorologiske Institut, Klimatologiske meddelelser no. 8, København 1981.
Keywords: The Climate of Denmark, monthly and annual climatological standard normals 1931-60, Denmark, Danish Light wessel statistics, wind, visibility, air temperature, cloud amount and weather, wind roses

Sparre, A: Danmarks Klima Fyrskibsstatistik II. Bølger og strøm i overfladen. The Climate of Denmark, Summaries of Observations from Light Vessels II.
Waves and Currents at the surface.
Det Danske Meteorologiske Institut, Klimatologiske meddelelser no. 9, København 1982.
Keywords: The Climate of Denmark, monthly and annual climatological standard normals 1931-60, Denmark, Danish Light wessel statistics, waves, currents at the surface, current roses

Det Danske Meteorologiske Institut, Klimatologiske meddelelser no. 10, København 1984.
Keywords: The Climate of Denmark, monthly and annual climatological standard normals 1931-60, Denmark, Danish Light wessel statistics, sea temperature

Sparre, A: Danmarks Klima Fyrskibsstatistik IV. Saltholdighed A. Midler, ekstremer og hyppigheder. The Climate of Denmark, Summaries of Observations from Light Vessels IV. Salinity A.
Means, extremes and frequency.
Det Danske Meteorologiske Institut, Klimatologiske meddelelser no. 11, København 1984.
Keywords: The Climate of Denmark, monthly and annual climatological standard normals 1931-60, Denmark, Danish Light wessel statistics, salinity, means, extremes and frequency

Sparre, A: Danmarks Klima Fyrskibsstatistik IV. Saltholdighed B. Dag til dag ændringer. Sammenhørende værdier i overflade og ved bund. The Climate of Denmark, Summaries of Observations from Light Vessels IV. Salinity B.
Day to day changes. Relations between values at the surface and at the bottom.
Det Danske Meteorologiske Institut, Klimatologiske meddelelser no. 12, København 1984.
Keywords: The Climate of Denmark, monthly and annual climatological standard normals 1931-60, Denmark, Danish Light wessel statistics, salinity, day to day changes, relations between values at the surface and at the bottom

Keywords: The Climate of Denmark, sea floods

Keywords: Sea level, mean, variation, Denmark, 1890-1968

Keywords: Sea level, mean, variation, Denmark, 1890-1988
Year books with nautical information

1880-1896 “Meteorologisk Årbog - Del 3”
During the years 1880-1896 a part of “Meteorologisk Årbog” was published as Del 3 = Nautisk-Meteorologiske observationer i Danske Farvande.

1897-1898 “Nautisk Meteorologiske Observationer”
But from 1897 these parts were replaced with a "stand alone" publication

1899-1961 “Nautisk Meteorologiske Årbog”
The title of the publication was changed from 1899
1899-1931 – published as one volume
1932-1941 – published as two volumes (Volume 2 was the meteorological observations)
1942-1961 - published as one volume
+ according to (Lonny Hansen,TK) various unspecified supplements.

1962-1972 “Oceanografiske Observationer”
The title of the publication was changed again from 1862
Additionally there is a yearbook for each year 1962-1974

1962-1974 “Månedlige Overfladetemperaturer i det nordlige atlanterhav”
10-year summary 1961-70 “Månedlige Overfladetemperaturer i det nordlige atlanterhav”
- and one volume with a 10 year summary 1961-70 with the same title.

1994-1996 “Månedlige Overfladetemperaturer i det nordlige atlanterhav”

1987-1999 “Danmarks Klima”
The annual publication Danmarks Klima has been published since 1987. The layout and content of the publication has during time changed, but generally the publication deals with the climate of Denmark. Additionally the publications from 1987-1999 all have a supplement concerning nautical information i.e. sea level.

3.7.7. Aeronautical publications

Chief of Air Staff Danmark (1971): Climatology Summaries for

Statens Luftfartsvæsen (1953): Aeronautical Climatology of Danmark,
- part I Copenhagen Airport.
- part II Ålborg Airport.

Statens Luftfartsvæsen: Aeronautical Climatology of Danmark 1949-1958,
- part I, Copenhagen airport, Kastrup, 1961.
- part IV, Tirstrup. 1963.
- part V Air station Karup. 1963.
- part IX Fornæs, Keldsnor, Dueodde. 1966.


**3.7.8. Radiosonde publications**


4. Greenland

4.1. Observations and various derived climate data, statistics and surveys not mentioned in the other sections below (observations mainly digitised since 1961) are available through DMI Customers Service for a fee

These data are available through DMI Customers Service for a fee: phone +45 3915 7500, by post: DMI Customers Service, Lyngbyvej 100, DK 2100 Copenhagen, Denmark or web-mail. See DMI Contact

For research and education purposes data can be borrowed free of charge, except for the delivery costs. See Section “Data Policy and Practice” and Appendix 1.


Older original, not digitised observations/data can be found via the Danish National Archive
4.2. Data surveys (regularly updated derived data), www.dmi.dk (freely available)

Data Survey ("Weather Archive") from 2014 (graphics) (Danish only):
https://www.dmi.dk/vejrarkiv
Keywords: Hourly, daily, monthly and annual climate data from 2014, Greenland, temperature, relative humidity, precipitation, wind, atmospheric air pressure

Monthly reports to the international community (CLIMAT) January 2004-December 2010 (Danish only):
https://www.dmi.dk/fileadmin/Rapporter/TR/tr12-09.pdf (report)
https://www.dmi.dk/fileadmin/Rapporter/TR/tr12-09.zip (data)
Keywords: Monthly climate data, CLIMAT, WMO, international community, Denmark, The Faroe islands, Greenland, precipitation, temperature, atmospheric air pressure, vapour pressure

The annual climate of Denmark [year] with Tórshavn, the Faroe Islands and Nuuk, Greenland as a Supplement:
2000: https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2001/tr01-06.pdf (report) (Danish only)
2001: https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2002/tr02-01.pdf (report) (Danish only)
2004: https://www.dmi.dk/fileadmin/Rapporter/TR/tr05-01.pdf (report)
2005: https://www.dmi.dk/fileadmin/Rapporter/TR/tr06-01.pdf (report)
2007: https://www.dmi.dk/fileadmin/Rapporter/TR/tr08-01.pdf (report)
2007: https://www.dmi.dk/fileadmin/Rapporter/TR/tr08-01.zip (data)
2008: https://www.dmi.dk/fileadmin/Rapporter/TR/tr09-01.pdf (report)
2008: https://www.dmi.dk/fileadmin/Rapporter/TR/tr09-01.zip (data)
2009: https://www.dmi.dk/fileadmin/Rapporter/TR/tr10-01.zip (data)
2010: https://www.dmi.dk/fileadmin/Rapporter/TR/tr11-01.zip (data)
2011: https://www.dmi.dk/fileadmin/Rapporter/TR/tr12-01.zip (data)

Keywords: The annual climate of Denmark, Nuuk, Greenland, Tórshavn, The Faroe Islands, country-wise values, normals, temperature, precipitation, hours of bright sunshine, global temperature

Monthly and annual climatological standard normals for Greenland 1961-90 – stations (Danish only):
https://www.dmi.dk/vejrarkiv/normaler-groenland/
Keywords: Monthly and annual climatological standard normals 1961-90, Greenland, temperature, precipitation, hours of bright sunshine

Climate extremes in Greenland since 1958 (Danish only):
https://www.dmi.dk/vejrarkiv/vejrekstremer-groenland/
Keywords: Climate extremes, Greenland, temperature, precipitation, hours of bright sunshine, atmospheric air pressure, wind speed, wind gust

Past Climate (theme) (Danish only):
https://www.dmi.dk/klima/temaforside-klimaet-frem-til-i-dag/
Keywords: Denmark, The Faroe Islands, Greenland, global, temperature, precipitation, hours of bright sunshine, wind, storms, water level

Future Climate (theme) (Danish only) (see also section 4.6 Future Climate Change in Greenland):
https://www.dmi.dk/klima/temaforside-fremtidens-klima/
https://www.dmi.dk/klima/temaforside-fremtidens-klima/fremtidige-klimaforandringer-i-groenland/
Keywords: Denmark, Greenland, global, temperature, precipitation, wind, storms, extreme weather, changes
Weather observations, Greenland (Danish only):
https://www.dmi.dk/groenland/
Keywords: Weather observations, temperature, wind, precipitation, clouds, weather type, atmospheric air pressure, forecast, animation, Greenland

Latest 24-hour weather observations, Greenland (Danish only):
https://www.dmi.dk/maaling-24-timer/
Keywords: Weather observations every 10 minutes, temperature, wind, precipitation, clouds, weather type, humidity, atmospheric air pressure, Greenland

Waves at sea in Greenland (Danish only):
https://www.dmi.dk/groenland/
Keywords: Waves at sea, Greenland, graphics, forecast, animation, nautical information

Tides, Tidal Tables; Denmark (Danish only):
https://www.dmi.dk/hav-og-is/temaforside-tidevand/ (theme)
https://www.dmi.dk/hav-og-is/temaforside-tidevand/tidevandstabeller-for-groenland/ (tidal tables)
Keywords: Tides, tidal tables, Greenland, forecast, nautical information

UV-index, Greenland (location weather i.e. Tasiilaq) (Danish only):
https://www.dmi.dk/lokation/show/GL/3424607/Tasiilaq/
Keywords: UV-index, Greenland

Ozone (theme) (Danish only):
https://www.dmi.dk/vejr-og-atmosfare/temaforside-ozonlaget-og-uv-straaling/
Keywords: Ozone

Ice Charts from DMI Ice Service (Maps, English text):
https://www.dmi.dk/groenland/
Keywords: General ice charts, navigation, shipping, sailing, satellite based observations, seas around Greenland, regional charts, Kap Farvel area, west-/east coast of Greenland, general chart, Greenland, nautical information

Ice Charts Archive from DMI Ice Service (Maps, English text):
http://ocean.dmi.dk/arctic/icecharts.php
Keywords: General ice charts, navigation, shipping, sailing, satellite based observations, seas around Greenland, regional charts, Kap Farvel area, west-/east coast of Greenland, general chart, Greenland, nautical information

DMI Ice Service (theme) (Danish only):
https://www.dmi.dk/hav-og-is/temaforside-den-groenlandske-istjeneste/
Keywords: Ice service, navigation, shipping, sailing, satellite based observations, seas around Greenland, Kap Farvel area, Greenland, nautical information

Satellite observations from DMI; Greenland (Danish only):
http://ocean.dmi.dk/arctic/satimg.php
Keywords: Satellite observations, MODIS, NOAA, ASAR, TERRA, AQUA, SENTINEL-1, Greenland

Polar weather from 2011; Temperature/wind, Temperature anomaly/wind, Precipitation anomaly, NAO index (Danish and English):
http://polarportal.dk/vejr/aktuelt-vejr/
https://polarportal.dk/en/weather/current-weather/
Keywords: Polar weather, 2m temperature, 10m wind, 5 days average, daily registrations, NAO index, Polar portal, Arctic, ECMWF, IFS forecast model
Past weather from 1784; Temperature (Danish and English):
https://polarportal.dk/vejr/historisk-vejr/
https://polarportal.dk/en/weather/historisk-vejr/
Keywords: Mean temperatures, annual, monthly, DMI stations, PROMICE stations, Greenland

Sea ice extent (Danish and English):
https://polarportal.dk/havis-og-isbjerger/havisens-udbredelse/
http://polarportal.dk/en/sea-ice-and-icebergs/sea-ice-extent0/
Keywords: Sea ice extent, daily, satellite data, Polar portal, Arctic, OSISAF, nautical information

Sea ice thickness and volume (Danish and English):
https://polarportal.dk/havis-og-isbjerger/havisens-tykkelse-og-volumen/
Keywords: Sea ice volume, sea ice thickness, daily, satellite data, Polar portal, Arctic, OSISAF, HYCOM-CICE, nautical information

Sea ice temperatures (Danish and English):
http://polarportal.dk/havis-og-isbjerger/havisens-temperatur/
Keywords: Sea ice mean temperature, Ice-/ocean surface, Polar portal, Arctic, satellite data, Metop-A satellite, DMI ice temperature product (IST) Advanced Very High Resolution Radiometer (AVHRR), nautical information

Icebergs in four selected regions (Danish and English):
https://polarportal.dk/havis-og-isbjerger/isbjerger/
Keywords: Icebergs, selected regions, Cape Farewell, Ilulissat, Ittoqqortoormiit, Qaanaaq, Polar portal, Arctic, satellite data, computer detection algorithms, twice daily, ESA Sentinel-1 A and B., nautical information, Greenland

Greenland Ice sheet Surface conditions (Danish and English):
http://polarportal.dk/groenland/iskappens-overflade/
http://polarportal.dk/en/greenland/surface-conditions/
Keywords: Ice sheet surface conditions, Polar portal, Arctic, PROMICE weather stations, weather model Greenland Hirlam-Newsnow, satellite observations, MODIS, Greenland
Glacier front positions (Danish and English):
http://polarportal.dk/groenland/position-af-gletsjerfronter/
Keywords: Glacier front positions, Polar portal, Arctic, satellite data, Landsat, PROMICE, Greenland

Ice sheet mass/height change (Danish and English):
http://polarportal.dk/groenland/masse-og-hoejdeaendring/
Keywords: Greenland Ice sheet mass/height change, Polar portal, Arctic, satellite data, gravitational fields, GRACE, Greenland

Frozen ground (Danish and English):
http://polarportal.dk/groenland/frossen-jord/
http://polarportal.dk/en/greenland/frozen-ground/
Keywords: Frozen ground, permafrost, Polar portal, Arctic, GIPL permafrost model, HARMONIE-AROME, HIRHAM, Greenland
4.3. Data collections (regularly updated derived data), www.dmi.dk (freely available)

DMI Historical Data Collection since 1784 - Greenland:
Keywords: Atmospheric air pressure observations, extremes, time series, graphics, daily, monthly and annual climate data, temperature, atmospheric air pressure, precipitation, snow cover, cloud cover, NACD, WASA, ACCORD, ECSN, ECA&D, REWARD, NORDKLIM, NARP, Greenland

Weather observations from Greenland from 1958 - Observation data with description:
Keywords: Observations, dataset, quality control, temperature, precipitation, cloud cover, atmospheric air pressure, humidity, depth of snow, metadata, Greenland

Tide tables for Greenlandic waters from 2016:
Keywords: Tide tables, Greenland, nautical information
4.4. Data collections (irregularly updated derived data), www.dmi.dk (freely available)

Metadata, selected climatological and synoptic stations, 1750-1996:
Keywords: metadata, NACD, Denmark, The Faroe Islands, Greenland, time series

Weather Statistics for Airports 1996-2001 Denmark, Faroe Islands and Greenland:
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2003/tr03-03.pdf (report)
Keywords: Weather statistics 1996-2001, seasons, airports, Denmark, Faroe Islands, Greenland, METAR, Key climatic figures, temperature, humidity, wind, days with fog and snow, clear and cloudy days, precipitation, frequencies, visibility, cloud heights, wind speed, wind direction, hourly and monthly distribution of observations

Weather Statistics for Airports, 2003-2012 – Greenland:
Keywords: Weather statistics 2003-2012, seasons, airports, Greenland, METAR, Key Climatic Figures, visibility, ceiling, wind, hourly and monthly distribution of observations
4.5. Data collections (stand alone; could be updated if decided), www.dmi.dk (freely available)

NACD, North Atlantic Climatological Dataset:
https://www.dmi.dk/fileadmin/Rapporter/SR/sr96-1.zip (data)
Keywords: NACD, Northern North Atlantic, climate, datasets, temperature, air humidity, wind, air pressure, sunshine, radiation, precipitation, weather, cloud cover, snow depth, Denmark, Greenland, The Faroe Islands, Sweden, Norway, Finland, Iceland, Germany, Netherlands, Belgium, Poland, United Kingdom

The global climate – climate normals 1931-60. Guide to weather and climate in 156 countries (Danish only):
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2001/tr01-17.pdf (report)
Keywords: Global, monthly and annual climatological standard normals 1931-60, temperature, precipitation, hours of bright sunshine, relative humidity, wind, days with frost, water temperature

The Observed Climate of Greenland, 1958-99 - with Climatological monthly and annual Standard Normals, 1961-90:
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2000/tr00-18-data_files.zip (data)
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2000/tr00-18-wind_roses.zip (graphical wind roses)
Keywords: Greenland, weather, climate, monthly climate data set 1958-99, monthly and annual climatological standard normals 1961-90, temperature, precipitation, hours of bright sunshine, wind, visibility, days with frost, snow falling, fog, thunder etc.

Daily Temperature Normals 1961-90 - Denmark, The Faroe Islands and Greenland:
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2000/tr00-17.pdf (report)
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2000/tr00-17.zip (data)
Keywords: Daily temperature normals 1961-90, Denmark, The Faroe Islands, Greenland, smoothing technics

World Weather Records from 1991 - Denmark, The Faroe Islands and Greenland:
2001-2010: https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2014/Tr14-10.zip (data)

Keywords: Mean sea level atmospheric air pressure observations 1868-1995, 3-4 observations/day, 22 stations in the Atlantic-European region, reduction to mean sea level

Decadal Climate Summary 1901-2010 and Temperature Ranking 2001-2010 - Denmark, The Faroe Islands and Greenland:
https://www.dmi.dk/fileadmin/Rapporter/TR/tr11-14.zip (data)
Keywords: Decadal climate summary 1901-2010, temperature rankings 2001-2010, selected stations in Denmark, the Faroe Islands and Greenland, mean temperature, highest and lowest temperature, highest 24 hour precipitation
Monthly means and extremes 1961-1990 and 1981-2010 for air temperature, atmospheric air pressure, hours of bright sunshine and precipitation - Denmark, The Faroe Islands and Greenland:
https://www.dmi.dk/fileadmin/Rapporter/TR/tr11-20.zip (data)
Keywords: Climate summary, means, extremes, 1961-1990, 1981-2010, air temperature, atmospheric air pressure, hours of bright sunshine, accumulated precipitation, 24-hour rainfall, Denmark, The Faroe Islands, Greenland, DMI Monthly climate data collection, NFCS

SW Greenland temperature data 1784-2013
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2014/tr14-06.pdf (report)
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2014/tr14-06.zip (data)
Keywords: Monthly climate data, long instrumental homogeneous temperature record, time series, combined SW Greenland temperature series, Greenland
4.6. Miscellaneous (stand alone; could be updated if decided), www.dmi.dk (freely available)

Contribution from DMI concerning United Nation Climate Convention UNFCCC - fourth national communication of Denmark (Danish only):
https://www.dmi.dk/fileadmin/Rapporter/DKC/dkcr05-03.pdf (report)
Keyword: UNFCC, United Nation, Climate Convention, Denmark, The Faroe Islands, Greenland, climate, future scenarios, climate change, ozone, oceanography, outreach

National Report on Global Climate Observing Systems (GCOS) Denmark, Greenland and the Faroe Islands
Keyword: National Report, Global Climate Observing Systems, GCOS, Global Climate Observing System, UNFCC, United Nation, Climate Convention, Denmark, The Faroe Islands, Greenland, observing systems, climate observations

Climate Meta Data Information Example (Monthly Time Series Database):
Keywords: metadata-information, DMI Monthly Time Series database

The North Atlantic Climatological Dataset (NACD). Instruments and Reconstructions. Illustrated going through of Archive Material (Danish only):
Keywords: Metadata, NACD, instruments, reconstructions, archive material, temperature, atmospheric air pressure, precipitation, wind, sunshine, NACD, WASA

Summary of Meta data from NACD-stations in Denmark, Greenland and the Faroe Islands 1872-1994:
Keywords: Station history, metadata, Summary, NACD, Denmark, The Faroe Islands, Greenland

Correction, reduction and Homogenization of Barometer Records:
Keywords: Metadata, atmospheric air pressure, barometer corrections, barometer reductions, adjustments, gravity, index errors, homogenisation

Station History, Greenland. Documentation for five climate stations (Danish only):
Keywords: Station history, metadata, summary, NACD, Denmark, The Faroe Islands, Greenland

DMI SYNOP AWS 04416 Summit. Data status March 2010:
https://www.dmi.dk/fileadmin/Rapporter/TR/tr10-09.pdf (report)
Keywords: Metadata, Summit, Greenland, SYNOP, data overview, atmospheric air pressure, air temperature, humidity, wind direction, wind speed, station visits

Wind statistics for stations 04360 Tasiilaq and 04361 Mittarfik Kulusuk. Data December 2000 - August 2010:
Keywords: Tasiilaq, Kulusuk, radiosonde, wind statistics, strong gale statistics

Quality control of Greenlandic weather and climate data series 1958-2010 - Supplement to Technical Report 11-15 (regularly updated every year; see chapter 4.3 DMI Historical Data Collection – Greenland):
Keywords: Observations, dataset, quality control, temperature, precipitation, cloud cover, atmospheric air pressure, humidity, depth of snow, metadata, Greenland
Ozone layer over Denmark and Greenland 1979-2016 (Danish):
Keywords: Ozone layer, thickness, Denmark, Greenland

Performance of the Automatic Balloon Launcher of Radiosonde Station 04360 Tasiilaq, November 2012 - June 2015:
Keywords: Tasiilaq, Greenland, radiosonde, Auto launcher, ABL, evaluation of performance, temperature, humidity, atmospheric air pressure, wind, upper air data

Future Climate Change in Greenland
(1/6) Kujalleq Kommune
(2/6) Sermersooq Kommune (vest)
(3/6) Sermersooq Kommune (øst)
(4/6) Qeqqata Kommune
(5/6) Qaasuitsup Kommune
(6/6) Nationalparken
Climate Indices for Vulnerability Assessments – Greenland
Keywords: Future climate change, Greenland, temperature, precipitation, sea ice, climate, climate indices,
4.7. Older climate publications (selected) before www.dmi.dk (only on paper if available)

Available through DMI phone +45 3915 7500. Another possibility is a Danish library [https://bibliotek.dk](https://bibliotek.dk) or the Danish National Archive [https://www.sa.dk](https://www.sa.dk)

4.7.1. Climatological publications/Data collections

Keywords: Monthly and annual climatological standard normals 1931-60, Denmark, stations, atmospheric air pressure, wind, temperature, precipitation, aeronautical statistics

Keywords: Climate, Thule, Greenland

Keywords: Wind vector, extreme wind statistics, weibull distribution, return period

4.7.2. Weather observation summaries

1949-1970 “Summaries of Weather observations at weather stations in Greenland”
1 volume 1949-1953
1 volume 1954-1958
1 volume 1951-1960
1 volume 1961-1965
1 volume 1966-1970
1 volume 1949-1970

1961-1965 “Provisional mean temperatures and mean atmospheric air pressure at msl at weather stations in Greenland 1961-1965”
Publikationer fra det danske Meteorologiske Institut, Charlottenlund (1967).

1961-1965 “Provisional Total amount of precipitation in mm Greenland 1961-1965”
Publikationer fra det danske Meteorologiske Institut, Charlottenlund (1969).

1966-1981 “Provisional mean temperature and total amount of precipitation in mm, Greenland”
1 volume for each of the years 1966-1981.

4.7.3. Regularly annual climate data surveys

1873-1983 “Meteorologisk Årbog”
From the start of the institute start year books have been published with varying content and size. A principal rule is that the publications contain descriptions, surveys and observations. Greenland is included in the following parts of “Meteorologisk Årbog”:

1873 Joint volume: Denmark, Greenland and the Faroe Islands, supplement 1868-1872
1874-1919 Part 2 (The Faroe Islands, Greenland and other colonies)
1920-1960 Part 2 (Greenland)
1961-1970 without Greenland
1972-1975 not published
1976 without Greenland
1977-1978 not published
1979-1983 without Greenland

1872-1895 "Meteorologiske Middeltal og Ekstremer for Færøerne, Island og Grønland. Appendix til det danske meteorologiske Instituts Aarbog 1895, II.del", published 1899
Additionally a joint volume for the years 1872-1895 was published in 1899.

1988-1999 "Danmarks Klima"
Greenland is included in different ways in the following publications of the year book Danmarks Klima:
1988, 1989: The Faroe Islands and Greenland (Tórshavn & Nuuk) (English and Danish text)
1994, 1995: Temperature graphics (Tórshavn & Nuuk)
1996: Temperature graphics (selected stations The Faroe Islands and Greenland)
1997- 1999 The Faroe Islands and Greenland (Tórshavn & Nuuk) (Danish text)+Temperature graphics (selected stations The Faroe Islands and Greenland)

4.7.4. Radiosonde publications

1951-1970 “Summaries of Meteorological upper-air observation <year><station> Greenland”
Meteorologisk Institut.

Angmagssalik 1951-1955
Angmagssalik 1956-1960
Angmagssalik 1961-1970
Danmarkshavn 1951-1960
Danmarkshavn 1961-1970
Nord 1954-1960
Nord 1961-1970
Egedesminde 1951-196
Egedesminde 1961-1970
Kap Tobin 1951-1960
Kap Tobin 1961-1970
Narsssarroq 1961-1970

4.7.5. Nautical publications

Year books with nautical information

Observations: Nautisk-Meteorologiske lagttegelser, 3. del:

1880-1893* No information on ice and sea temperatures in Greenland.
*see 1913

1894 Storirsens udbredelse i Davis-strædet 1893-94

1895 Overfladetemperatur i det nordlige Atlanterhav og Davis-strædet 1895
Isforholdene i farvandene øst for Grønland og i Davis-strædet 1895

1896 Isforholdene i farvandene øst for Grønland og i Davis-strædet 1896
Havets overfladetemperatur i det nordlige Atlanterhav og Davis-strædet 1896

Observations: Nautisk-Meteorologiske observationer

1897 Isforholdene i farvandene øst for Grønland og i Davis-strædet 1897
Havets overfladetemperatur i det nordlige Atlanterhav og Davis-strædet 1897

1898 Isforholdene i farvandene øst for Grønland og i Davis-strædet 1898
Havets overfladetemperatur i det nordlige Atlanterhav og Davis-strædet 1898
Yearbook: *Nautisk-Meteorologisk Aarbog*

1899  Isforholdene i farvandene øst og vest for Grønland 1899
Havets overfladetemperatur i det nordlige Atlanterhav og Davis-strædet 1899

1900  Isforholdene i de arktiske have
Havets overfladetemperatur i det nordlige Atlanterhav og Davis-strædet 1900

1901-1912  as 1900
1913  as 1900 + Isforholdene øst for Grønland og i Davis-strædet 1893 og 1894
1914-1938  as 1900

Appendix: *Tillæg til Nautisk-Meteorologisk Årbog*

1939  Tillæg til Nautisk-Meteorologisk Årbog : Isforholdene i de Arktiske Have (The State of the Ice in the Arctic Seas)
1946-1956  as 1939

Miscellaneous
1961-1974  Månedlige overfladetemperaturer i det Nordlige Atlanterhav

4.7.6. Ice charts/ Ice conditions

1890-1981 *(not including 1940-1945)* "Ice charts"* published in various forms i.e. 1957-1981 “Isforholdene i de grønlandske farvande”, Meteorologisk Institut.*

1890-92  Isforholdene i Farvandene Vest og Øst for Grønland
1893-94  Storisen i Davis-Strædet 1893-94 (reprint: Meteorologisk Årbog 1894, 3dje del)

1895  Isforholdene i Farvandene Øst for Grønland og i Davis-Stræde

1896-1899  Isforholdene i farvandene Øst og Vest for Grønland samt havets overfladetemperatur i det nordlige Atlanterhav og Davis-Stræde

Isforholdene i de arktiske have samt havets overfladetemperatur i det nordlige Atlanterhav og Davis-Stræde
1900-1912  (stand alone publication)
1913-1920  (part of Nautisk Meteorologisk Årbog – published as reprint)
1921
1922-1935

Isforholdene i de arktiske have
1935  as: Isforholdene i de arktiske have samt overfladetemperatur i det nordlige Atlanterhav og Davis-Stræde
(sse above)….but without sea surface temperatures)
1939, 1946-1956

1957-1981  Isforholdene i de Grønlandske farvande

1982-  "Ice charts"* published in paper form and from 1999 in digital form, DMI.*

1982-1998  "Ice charts" (paper version)

From 1999  "Ice charts" (digital version)
5. The Faroe Islands

5.1. Observations and various derived climate data, statistics and surveys not mentioned in the other sections below (observations mainly digitised since 1961) are available through DMI Customers Service for a fee

These data are available through DMI Customers Service for a fee: phone +45 3915 7500, by post: DMI Customers Service, Lyngbyvej 100, DK 2100 Copenhagen, Denmark or web-mail. See DMI Contact

For research and education purposes data can be borrowed free of charge, except for the delivery costs. See Section “Data Policy and Practice” and Appendix 1.

Meteorological stations at the Faroe Islands: https://www.dmi.dk/maalinger-seneste-24-timer/

Older original, not digitised observations/data can be found via the Danish National Archive
5.2. Data surveys (regularly updated derived data), www.dmi.dk (freely available)

Data Survey ("Weather Archive") from 2014 (graphics) (Danish only):
https://www.dmi.dk/vejrarkiv
Keywords: Hourly, daily, monthly and annual climate data from 2014, The Faroe Islands, temperature, relative humidity, precipitation, wind, atmospheric air pressure

Monthly reports to the international community (CLIMAT) January 2004-December 2010 (Danish only):
https://www.dmi.dk/fileadmin/Rapporter/TR/tr12-09.pdf (report)
https://www.dmi.dk/fileadmin/Rapporter/TR/tr12-09.zip (data)
Keywords: Monthly climate data, CLIMAT, WMO, international community, Denmark, The Faroe islands, Greenland, precipitation, temperature, atmospheric air pressure, vapour pressure

The annual climate of Denmark [year] with Tórshavn, the Faroe Islands and Nuuk, Greenland as a Supplement:
2000: https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2001/tr01-06.pdf (report) (Danish only)
2001: https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2002/tr02-01.pdf (report) (Danish only)
2004: https://www.dmi.dk/fileadmin/Rapporter/TR/tr05-01.pdf (report)
2005: https://www.dmi.dk/fileadmin/Rapporter/TR/tr06-01.pdf (report)
2007: https://www.dmi.dk/fileadmin/Rapporter/TR/tr08-01.pdf (report)
2007: https://www.dmi.dk/fileadmin/Rapporter/TR/tr08-01.zip (data)
2008: https://www.dmi.dk/fileadmin/Rapporter/TR/tr09-01.pdf (report)
2008: https://www.dmi.dk/fileadmin/Rapporter/TR/tr09-01.zip (data)
2009: https://www.dmi.dk/fileadmin/Rapporter/TR/tr10-01.zip (data)
2010: https://www.dmi.dk/fileadmin/Rapporter/TR/tr11-01.zip (data)
2011: https://www.dmi.dk/fileadmin/Rapporter/TR/tr12-01.zip (data)

Keywords: The annual climate of Denmark, Nuuk, Greenland, Tórshavn, The Faroe Islands, country-wise values, normals, temperature, precipitation, hours of bright sunshine, global temperature

Monthly and annual climatological standard normals for the Faroe Islands 1961-90 (Danish only):
https://www.dmi.dk/vejrarkiv/normaler-faeroerne/
Keywords: Monthly and annual climatological standard normals 1961-90, The Faroe Islands, temperature, precipitation, hours of bright sunshine

Climate extremes for the Faroe Islands since 1961 (Danish only):
https://www.dmi.dk/vejrarkiv/vejrekstremmer-faeroerne/
Keywords: Climate extremes, The Faroe Islands, temperature, precipitation, hours of bright sunshine, atmospheric air pressure, wind speed, wind gust

Past Climate (theme) (Danish only):
https://www.dmi.dk/klima/temaforside-klimaet-frem-til-i-dag/
Keywords: Denmark, The Faroe Islands, Greenland, global, temperature, precipitation, hours of bright sunshine, wind, storms

Weather observations, The Faroe Islands (Danish only):
https://www.dmi.dk/faroerne/
Keywords: Weather observations every 10 minutes, temperature, wind, precipitation, clouds, weather type, atmospheric air pressure, forecast, animation, The Faroe Islands
Latest 24-hour weather observations, The Faroe Islands (Danish only):
https://www.dmi.dk/maalinger-seneste-24-timer/
*Keywords: Weather observations every hour, temperature, wind, precipitation, clouds, weather type, humidity, atmospheric air pressure, The Faroe Islands*

Tides, Tidal Tables; The Faroe Islands (Danish only):
https://www.dmi.dk/hav-og-is/temaforside-tidevand/ (theme)
https://www.dmi.dk/hav-og-is/temaforside-tidevand/tidevandstabeller-for-faeroerne/ (tidal tables)
*Keywords: Tides, tidal tables, The Faroe Islands, forecast, nautical information*

UV-index, The Faroe Islands (location weather i.e. Tórshavn) (Danish only):
https://www.dmi.dk/lokation/show/FO/2611396/Tórshavn/
*Keywords: UV-index, The Faroe Islands*

Ozone (theme) (Danish only):
https://www.dmi.dk/vejr-og-atmosfare/temaforside-ozonlaget-og-uv-straaling/
*Keywords: Ozone*

Satellite observations including The Faroe Islands (Danish only):
https://www.dmi.dk/danmark/
*Keywords: Satellite observations, Denmark, North Europe, The Faroe Islands, animation, visual*
5.3. Data collections (regularly updated derived data), www.dmi.dk (freely available)

DMI Historical Data Collection since 1873 - The Faroe Islands:
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2019/DMIRep19-05.zip (data)

Keywords: Monthly and annual climate data, atmospheric air pressure observations, extremes, time series, graphics, temperature, atmospheric air pressure, precipitation, snow cover, cloud cover, NACD, WASA, ACCORD, ECSN, ECA&D, REWARD, NORDKLIM, NARP, The Faroe Islands

Weather observations from Tórshavn, The Faroe Islands from 1953 - Observation data with description
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2019/DMIRep19-09.zip (data)

Keywords: Observations, dataset, quality control, temperature, precipitation, cloud cover, atmospheric air pressure, humidity, depth of snow, metadata, The Faroe Islands

Tide tables for the Faroe Island waters from 2016

Keywords: Tide tables, The Faroe Islands, nautical information
5.4. Data collections (irregularly updated derived data), www.dmi.dk (freely available)

Metadata, selected climatological and synoptic stations, 1750-1996:
Keywords: metadata, NACD, Denmark, The Faroe Islands, Greenland, time series

Weather Statistics for Airports 1996-2001 Denmark, Faroe Islands and Greenland:
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2003/tr03-03.pdf (report)
Keywords: Weather statistics 1996-2001, seasons, airports, Denmark, The Faroe Islands, Greenland, METAR, Key Climatic Figures, temperature, humidity, wind, days with fog and snow, clear and cloudy days, precipitation, frequencies, visibility, cloud heights, wind speed, wind direction, hourly and monthly distribution of observations, aeronautical information

Weather Statistics for Airports 2003-2012 Denmark and Faroe Islands:
Keywords: Weather statistics 2003-2012, seasons, airports, Denmark, The Faroe Islands, METAR, visibility, ceiling, wind, wind roses, aeronautical information
5.5. Data collections (stand alone; could be updated if decided), www.dmi.dk (freely available)

NACD, North Atlantic Climatological Dataset:
https://www.dmi.dk/fileadmin/Rapporter/SR/sr96-1.zip (data)
Keywords: NACD, Northern North Atlantic, climate, datasets, temperature, air humidity, wind, air pressure, sunshine, radiation, precipitation, weather, cloud cover, snow depth, Denmark, Greenland, The Faroe Islands, Sweden, Norway, Finland, Iceland, Germany, Netherlands, Belgium, Poland, United Kingdom

The global climate – climate normals 1931-60. Guide to weather and climate in 156 countries (Danish only):
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2001/tr01-17.pdf (report)
Keywords: Global, monthly and annual standard normals 1931-60, temperature, precipitation, hours of bright sunshine, relative humidity, wind, days with frost, water temperature

The Climate of The Faroe Islands 1922 – 1997 - with Climatological Standard Normals, 1961-1990:
Keywords: Monthly and annual climate normals 1961-90, The Faroe Islands, temperature, humidity, precipitation, hours of bright sunshine, wind speed and direction, atmospheric air pressure, cloud cover, snow and fog, wind roses, monthly and annual climate data set, 1922-1997

Daily Temperature Normals 1961-90 - Denmark, The Faroe Islands and Greenland:
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2000/tr00-17.pdf (report)
https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2000/tr00-17.zip (data)
Keywords: Daily Temperature Normals 1961-90, Denmark, The Faroe Islands, Greenland, smoothing techniques

World Weather Records from 1991 - Denmark, The Faroe Islands and Greenland:
2001-2010: https://www.dmi.dk/fileadmin/user_upload/Rapporter/TR/2014/Tr14-10.zip (data)

Keywords: Mean sea level atmospheric air pressure observations 1868-1995, 3-4 observations/day, 22 stations in the Atlantic-European region, reduction to mean sea level

Decadal Climate Summary 1901-2010 and Temperature Ranking 2001-2010 - Denmark, The Faroe Islands and Greenland:
https://www.dmi.dk/fileadmin/Rapporter/TR/tr11-14.zip (data)
Keywords: Decadal climate summary 1901-2010, temperature rankings 2001-2010, selected stations, Denmark, The Faroe Islands and Greenland, mean temperature, highest and lowest temperature, highest 24 hour precipitation
Monthly means and extremes 1961-1990 and 1981-2010 for air temperature, atmospheric air pressure, hours of bright sunshine and precipitation - Denmark, The Faroe Islands and Greenland:
https://www.dmi.dk/fileadmin/Rapporter/TR/tr11-20.zip (data)

Keywords: Climate summary, means, extremes, 1961-1990, 1981-2010, air temperature, atmospheric air pressure, hours of bright sunshine, accumulated precipitation, 24-hour rainfall, Denmark, The Faroe Islands, Greenland, DMI Monthly climate data collection, NFCS
5.6. Miscellaneous (stand alone; could be updated if decided), www.dmi.dk (freely available)

Contribution from DMI concerning United Nation Climate Convention UNFCCC - fourth national communica-
tion of Denmark (Danish only):
https://www.dmi.dk/fileadmin/Rapporter/DKC/dkcr05-03.pdf (report)
Keywords: UNFCC, United Nation, Climate Convention, Denmark, The Faroe Islands, Greenland, climate, future scenarios, climate change, ozone, oceanography, outreach

National Report on Global Climate Observing Systems (GCOS) Denmark, Greenland and the Faroe Islands
Keyword: National Report, Global Climate Observing Systems, GCOS, Global Climate Observing System, UNFCC, United Nation, Climate Convention, Denmark, The Faroe Islands, Greenland, observing systems, climate observations

Climate Meta Data Information Example (Monthly Time Series Database):
Keywords: metadata-information, DMI Monthly Time Series database

The North Atlantic Climatological Dataset (NACD). Documented station history, Torshavn and Mykines, The
Faroe Islands 1872-1994 (Danish only):
Keywords: Station history, metadata, NACD, Torshavn, Mykines, The Faroe Islands

The North Atlantic Climatological Dataset (NACD). Instruments and Reconstructions. Illustrated going through
of Archive Material (Danish only):
Keywords: Metadata, NACD, instruments, reconstructions, archive material, temperature, atmospheric air
pressure, precipitation, wind, sunshine, NACD, WASA

Summary of Meta data from NACD-stations in Denmark, Greenland, the Faroe Islands 1872-1994:
Keywords: Station history, metadata, Summary, NACD, Denmark, The Faroe Islands, Greenland

Correction, reduction and Homogenization of Barometer Records:
Keywords: Metadata, atmospheric air pressure, barometer corrections, barometer reductions, adjustments,
gravity, index errors, homogenisation
5.7. Older climate publications (selected) before www.dmi.dk (only on paper if available)

Available through DMI phone +45 3915 7500. Another possibility is a Danish library https://bibliotek.dk or the Danish National Archive https://www.sa.dk

5.7.1. Climatological publications/Data collections


Keywords: Monthly and annual climatological standard normals 1931-60, The Faroe Islands, stations, atmospheric air pressure, wind, temperature, hours of bright sunshine, humidity, precipitation, aeronautical statistics

5.7.2. Regularly annual climate data surveys

1873-1983 “Meteorologisk Årbog”
From the start of the institute start year books have been published with varying content and size. A principal rule is that these publications contain descriptions, surveys and observations. The Faroe Islands is included in the following parts of “Meteorologisk Årbog”:

1873 Joint volume: Denmark, Greenland and the Faroe Islands, supplement 1868-1872
1874-1919 Part 2 (The Faroe Islands, Greenland and other colonies)
1920-1960 Part I (Denmark and The Faroe Islands) + Part 2 (Greenland)
1961-1970 Part 1 (Denmark and The Faroe Islands)
1971-1975 Not published
1976 Part 1 (Denmark and The Faroe Islands)
1977-1978 Not published
1979-1983 Part 1 (Denmark and The Faroe Islands)

1872-1895 "Meteorologiske Middeltal og Ekstremer for Færøerne, Island og Grønland. Appendix til det danske meteorologiske Instituts Aarbog 1895, II.del", published 1899
Additionally a joint volume for the years 1872-1895 was published in 1899.

1940-1945 Meteorologisk Årbog - Tillæg - Færøerne 1940-45
Additionally a joint volume for the years 1872-1895 was published in 1899.

1988-1999 “Danmarks Klima”
The Faroe Islands is included in different ways in the following publications of the year book “Danmarks Klima”:

1988, 1989: The Faroe Islands and Greenland (Tórshavn & Nuuk) (English and Danish text)
1994, 1995: Temperature graphics (Tórshavn & Nuuk)
1996: Temperature graphics (selected stations The Faroe Islands and Greenland)
1997- 1999: The Faroe Islands and Greenland (Tórshavn & Nuuk) (Danish text) + Temperature graphics (selected stations The Faroe Islands and Greenland)
6. Data policy and practice

6.1. Ordinary access to climate data and services
DMI can for a fee provide custom-made climate data and services for different requirements and users. The data can be delivered in paper or in digital format stand alone or regularly according to a contract.

When required the DMI Customers Service can be contacted either via phone +45 39 15 75 00 or via web-mail. See DMI Contact

For information about the fee for data and services, please contact The DMI Customers Service.

6.2. Climatological data and products for educational and research purposes
DMI can provide free and unrestricted access to climatologically data and products for educational and re-search purposes, provided the right conditions are met.

This free access only applies to data and products. It does not apply to value added services. It does not apply to marginal costs: research and educational projects must pay for the direct costs generated by their require-ments.

The spirit of the policy is to support primary educational projects like BSc, MSc and PhD projects with relevant data, typically observational data from a limited number of stations and length of records.

The spirit behind the policy is not to provide large datasets, building up copies of DMI databases nor the provision of data to externally funded research projects where it may be considered a natural part of the project economy to buy data.

DMI reserves the right to reject applications for loan of data to educational or research projects if they are regarded outside the scope and spirit of this policy.

Read about Policy, Definitions and Conditions concerning free and unrestricted access to climatologically data and products from DMI for educational and research purposes in Appendix 1 (English and Danish versions).

If the right conditions are met please contact DMI Customers Service (see above). Then DMI will send a quotation and a “User Statement” to the researcher or student filled with all information and prices regarding the delivery costs and the information value (not to be invoiced/DMI contribution to the project).

The researcher or student will have to fill out and sign the “User Statement” and send it to the DMI Customers Service by e-mail, by Fax +45 39 27 10 80 or by post: DMI Customers Service, Lyngbyvej 100, DK 2100 Copenhagen.

Only when the “User Statement” has been filled out with all information and prices regarding the delivery costs and the information value (not to be invoiced/DMI contribution to the project) and signed by the researcher or student, the data can be delivered.

Previous reports

Previous reports from the Danish Meteorological Institute can be found on: https://www.dmi.dk/publikationer/
Appendix 1. Policy, definitions and conditions concerning loan of meteorological and climatological information from the Danish Meteorological Institute (DMI) for the use in research and educational projects (English and Danish versions).

ENGLISH VERSION:

POLICY
DMI can provide free and unrestricted access to meteorological data and products for educational and research purposes, provided the attached conditions are met.

This free access only applies to data and products. It does not apply to value added services. It does not apply to marginal costs: research and educational projects must pay for the direct costs generated by their requirements.

These supplies only concern data and products that belong to DMI, or those in stock and for which the owner has explicitly given permission for the application of these same conditions. This is the case in particular for data and products exchanged under the auspices of the WMO, and classified as «essential» or «additional». These conditions do not apply when the common rule is more favourable (case of «essential» data and products for example), or when specific rules are adopted (case of special observing periods of international research experiments for example).

The spirit of the policy is to support primary educational projects like BSc, MSc and PhD projects with relevant data, typically observational data from e limited number of stations and length of records.

The spirit behind the policy is not to provide large datasets, building up copies of DMI databases nor the provision of data to externally funded research projects where it may be considered a natural part of the project economy to buy data.

DMI reserves the right to reject applications for loan of data to educational or research projects if they are regarded outside the scope and spirit of this policy.

Where DMI accepts that the research will be directly beneficial to its own requirements, it may decide to waive some or all of the direct provision costs.

DEFINITIONS
Free and unrestricted: means “non-discriminatory and without charge, ..., at no more than the cost of reproduction and delivery” (from Resolution 40 of the 12th Congress of the WMO, June 1995). Reproduction and delivery includes all direct costs generated by their requirements; including the cost of distribution media, transmission, documentation and direct labour costs of servicing the request.

Research: any project organised by a university, a scientific institute or similar (private or institutional), for non-commercial research purposes only. A necessary condition for the recognition of non-commercial purposes is that all the results obtained are openly available at delivery costs only, without any delay linked to commercial objectives, and that the research itself is submitted for open publication. Research activities as part of an institution’s official duties are not covered by these conditions.

Education: any use of data and products, by a school, university, scientific institute or similar (private or institutional), solely for educational purposes, without transmission or redistribution of these data and products to any further third party, nor use of them to generate a meteorological value-added service.

CONDITIONS
1. The definitions of research and educational use must be met.
2. Note that open publication of a study is in itself not a sufficient condition, thus for example the following are not regarded as qualifying research or educational projects:
   - studies carried out and published to meet a legal requirement (e.g. site study);
   - studies carried out which give an economic advantage for a particular user or group of users. In these cases a specific agreement must be negotiated between DMI and the beneficiary.
3. Note that an activity is considered as being commercial and therefore cannot benefit from these conditions: if it involves any development which will subsequently be the object of, or will contribute to a sale, a licence or a right of use (software, publication, ...), the deposit of a patent, the realisation of tools or teaching material being for sale or contributing to a sale. In these cases a specific agreement must be negotiated between DMI and the beneficiary. If, in an unforeseen manner, research or education pro-
jekts having benefited from free access, then lead to the development of software, the deposit of patents, the realisation of tools or teaching materials which may then be used for commercial purposes, the beneficiary agrees:

- to grant to DMI all free licences for the use of these software or patents in the framework of its Official Duty. Thus the beneficiary accepts the reciprocity of its own policy in favour of the non commercial activity of DMI.
- not to authorise such commercial use before having passed a specific agreement with DMI. Should such an agreement prove impossible, the beneficiary must refund to DMI the actual estimated value of the original data and/or products (cf. paragraph 6).

4. The intellectual property rights on data and products are retained by DMI. The supply for research or education purposes will not grant or will not have as a consequence the transfer or surrender of such ownership or intellectual property rights.

5. The use to be made of the data and/or products provided must be stated precisely. All persons associated with the project must be made aware of the conditions attached. No person associated with the project shall, save with the written permission of DMI, transfer to a third party any data of the supply, or use for any other purpose.

6. Data and products supplied under the present conditions may be accompanied by an estimation of their value, based upon what would have been invoiced for the same request to an end user. This estimate is recognised by the beneficiary as a contribution by DMI to the project. It gives DMI the same rights as those granted to other contributors for an equivalent amount.

7. The beneficiary accepts responsibility for all conditions attached and shall indemnify DMI for any loss it suffers due to non-compliance of these conditions. DMI reserves the right to ask for the destruction or the restitution of data or products supplied at the end of the research programme or educational activity.

8. The beneficiary agrees to make acknowledgement of the origin of the data used in any publication arising out of the use of the data. He will provide a copy of these publications, where requested, to DMI.

9. The non-compliance of these conditions is prejudicial not only to DMI but also to the research and education communities. In consequence, DMI reserves the right to withhold either temporarily or permanently access to these conditions, from any establishment which, voluntarily or otherwise, does not respect them.

DANSK VERSION:

POLITIK


Leveringen vedrører kun data og produkter, der tilhører DMI eller er indhentet af DMI og for hvilke ejen har givet tilladelse til brug af under samme betingelser som DMI’s. Dette gælder specielt for data og produkter udvekslet i WMO’s regi, betegnet som “essentielle” eller “additionelle”. Disse betingelser gælder ikke, når de almindelige regler på området er mere gunstige, eller når særlige regler er vedtaget (fx observationsperioder til brug for international forskning).

Tankerne bag denne politik er at understøtte primært undervisningsrelaterede projekter som Bachelor, Master og PhD projekter med relevante data. Typisk observations data fra et begrensset antal målestationer og en begrensret måleperiode.

Tankerne bag denne politik er ikke at udlevere store datatæng, understøttet opbygning af kopier af DMIs databaser eller at levere data til eksternt finansierede projekter hvor det må anses som en naturlig del af projektøkonomien at afsætte budget til køb af data.

DMI forbeholder sig retten til at afvise ansøgninger om udlånen af data til undervisnings- og forskningsprojekter hvis de betragtes som liggende udenfor målet for og tankerne bag denne politik.

I tilfælde, hvor DMI anser forskningen for at være egnet til eget brug, kan instituttet beslutte at afstå fra at opkræve hele eller dele af betalingen for frembringelse og levering af data og produkter.

DEFINITIONER


Forskning: Ikke-kommercielle projekter organiseret gennem et universitet, et forskningsinstitut e.l. (privat eller statslig). En nødvendig betingelse for at projektet kan betegnes som ikke-kommercielt er, at alle opnåede resultater er tilgængelig for offentligheden, uden anden betaling end leveringsomkostninger, uden forsinkelser relaterede til kommercielle hensyn og at forskningen er beregnet på publiseringsbehov. Forskningsaktiviteter der udføres som del af en institutions myndighedsopgaver er ikke omfattet af disse betingelser.

Uddannelse: Skolers, universiteters, videnskabelige institutioners e.l. (privat eller statslig) brug af data eller produkter udelukkende til undervisningsbrug, uden at udleverede data gøres til genstand for videre analyse, kopiering eller på anden måde overdrages til tredje part, og som ej heller må bruges til at frembringe en service af meteorologisk værdi.
**BETINGELSER**

1. Definitionerne på forskning og uddannelse skal være opfyldte.

2. Bemærk at publicering af et studie ikke nødvendigvis er en opfyldelse af betingelserne. F.eks. er følgende ikke anset som kvalificeret forsknings- eller uddannelsesprojekt:
   - studier udført og publiceret for at opfylde lovmæssige krav/betingelser herunder myndighedsopgaver
   - studier som udført giver en økonomisk fordel for en specifik bruger eller brugergruppe. I tilfælde som disse kan en speciel aftale forhandles mellem DMI og modtageren.

3. Bemærk at en aktivitet, der betragtes som kommersiell, ikke kan modtage data uden beregning udfra følgende: En aktivitet, der indeholder et produkt, der efterfølgende vil kunne sælges eller bidrage til salg, til en licens eller ret til brug (software, publikation), patentret, udvikling af værktøj eller undervisningsmateriale beregnet på salg eller som kan bidrage til salg. I tilfælde som disse kan en speciel aftale forhandles mellem DMI og modtageren. Skulle et uddannelses- eller forskningsprojekt, der uindskrænket og uden beregning har modtaget data eller produkter, uforudset udvikle sig til en aktivitet, der indeholder et produkt, der efterfølgende vil kunne sælges eller bidrage til salg, til en licens eller ret til brug (software, publikation), patentret, udvikling af værktøj eller undervisningsmateriale beregnet på salg eller som kan bidrage til salg, forpligter modtageren sig til følgende:
   - at give DMI fri licens til at bruge softwaren eller patentet i DMI’s myndighedsopgaver. Således accepterer modtageren gensidigheden af dens egen politik til fordel for DMI’s ikke-kommercielle aktiviteter.
   - ikke at påbegynde kommerciel virksomhed uden først at have lavet en specifik aftale med DMI. Hvis ikke det er muligt at forhandle sig til en aftale, er modtageren forpligtet til at betale DMI den faktiske pris for de modtagne data, jf. afsnit 6.

4. DMI bibeholder ejendomsretten til data og produkter, der er leveret til forskning og uddannelse.

5. Formålet med forsknings- eller uddannelsesprojektet skal beskrives præcis over for DMI. Alle personer med tilknytning til projektet skal opleves at modtage DMI’s myndighedsopgaver. Ingen personer med tilknytning til projektet må, uden skriftlig tilladelse fra DMI, overdrage data eller dele heraf til tredje part, ligesom data ikke må bruges til andre formål end det beskrevne.


7. Modtageren har det fulde ansvar for de udeluerede data og produkter og skal erstatte DMI’s tab, såfremt betingelserne ikke overholdes. DMI forbeholder sig ret til at kræve data og produkter slettet eller tilbageleveret efter projektets færdiggørelse.

8. Modtageren forpligter sig, ved publicering af data, til at referere til DMI som kilde. Modtageren skal på opfordring levere en kopi af publikation til DMI.