Meteorologisk institutt

MET info

no. 8/2024
ISSN 1894-759X

CLIMATE Oslo, 02.09.2024

# The weather in Norway

## Climatological monthly overview
## August 2024

Lars Grinde, Jostein Mamen, Ketil Tunheim and Signe Aaboe

Bø in Vesterålen on August 6. Photo: Jan-Helge Andersen

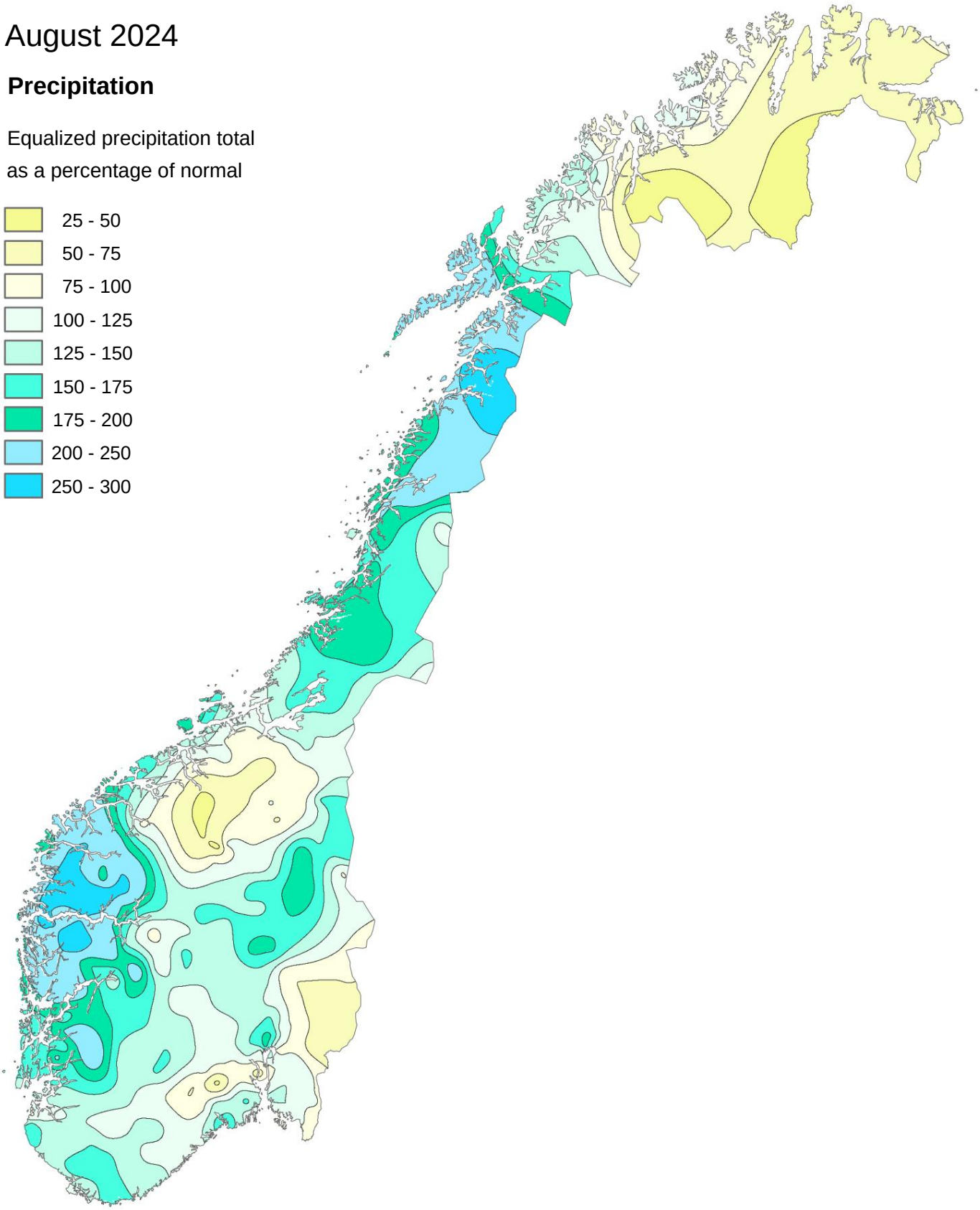
Meteorologisk institutt

# Climatological monthly overview

## August 2024

### Precipitation

Equalized precipitation total
as a percentage of normal




The normal period is 1991 - 2020

Issued: 01/09/2024

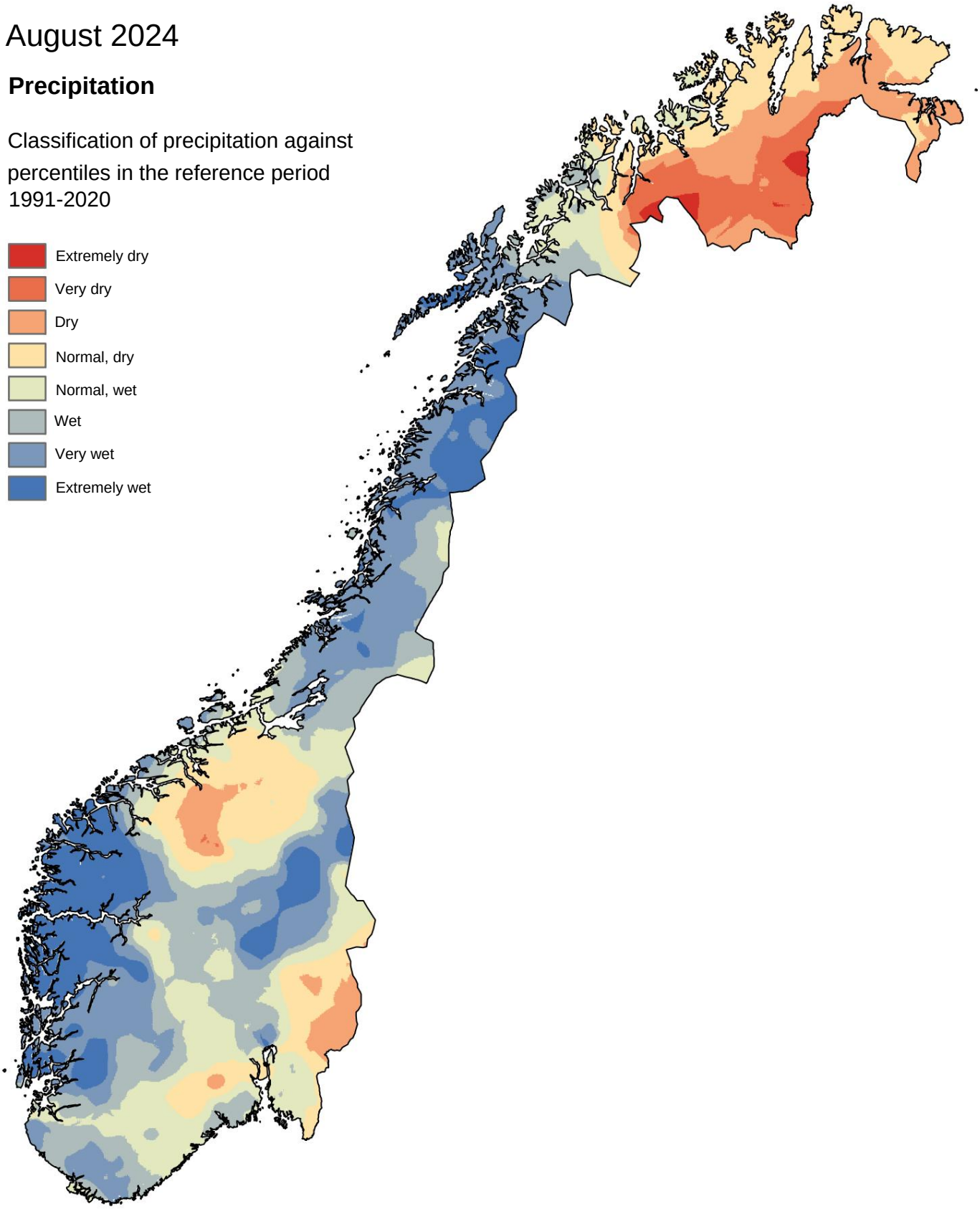
Meteorologisk institutt

# Climatological monthly overview

## August 2024

### Precipitation

Classification of precipitation against percentiles in the reference period 1991-2020




The normal period is 1991 - 2020

Issued: 01/09/2024

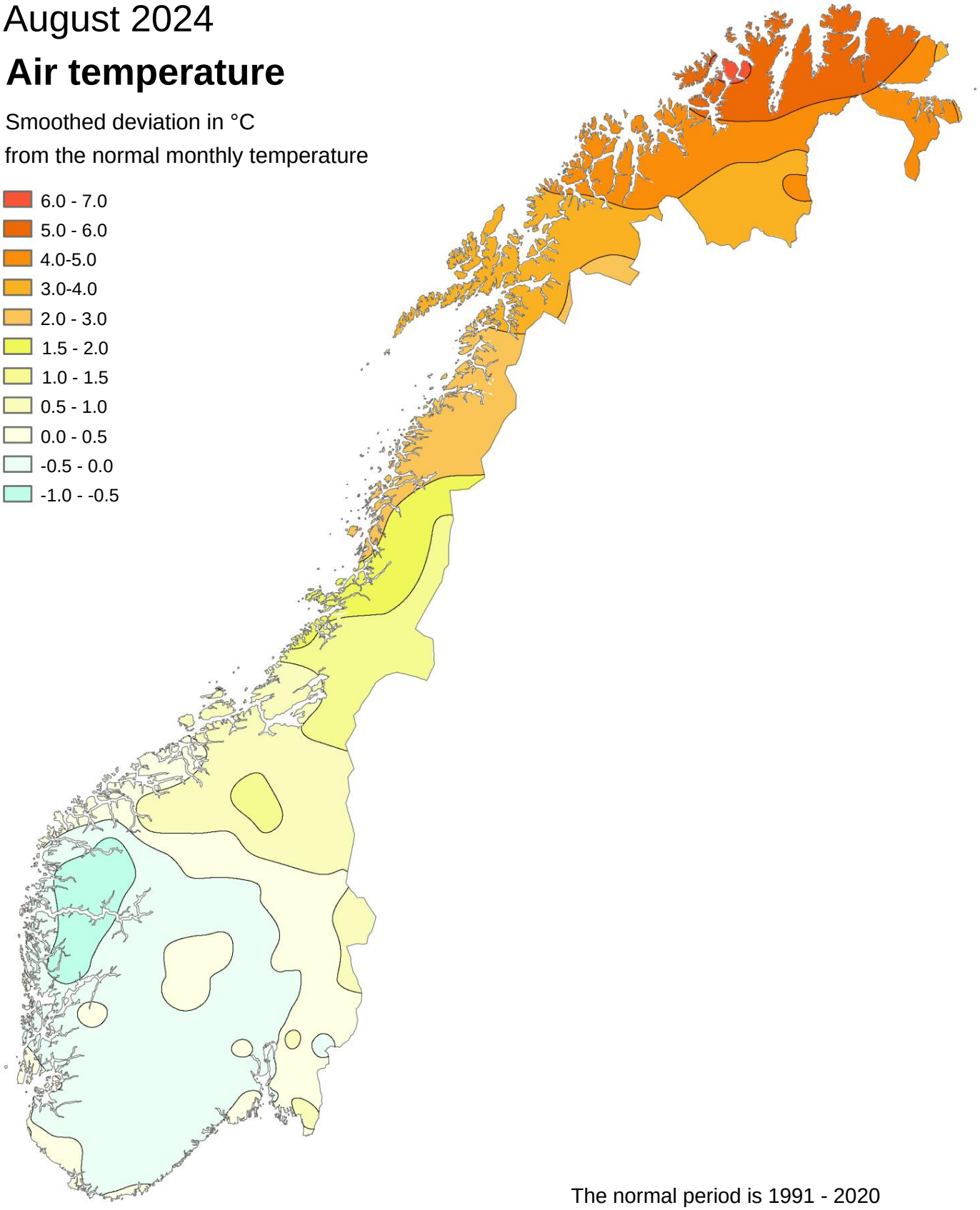
Meteorologisk institutt

# Climatological monthly overview

## August 2024

## Air temperature

Smoothed deviation in °C
from the normal monthly temperature




The normal period is 1991 - 2020

Published:
01/09/2024 

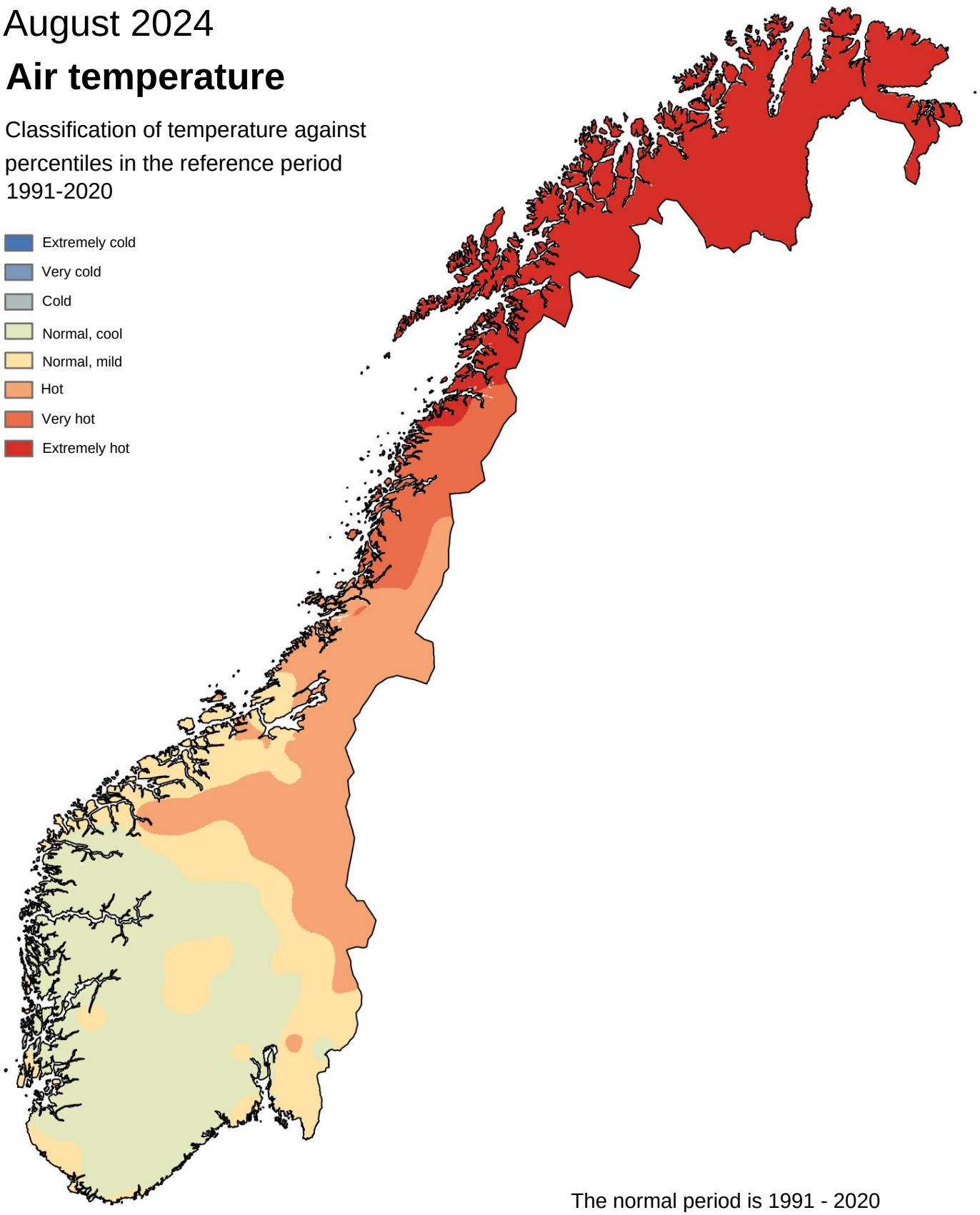
Meteorologisk institutt

# Climatological monthly overview

## August 2024

## Air temperature

Classification of temperature against percentiles in the reference period 1991-2020




The normal period is 1991 - 2020

Published:
01/09/2024 

# August 2024: record hot in Troms and Finnmark, record wet in Western Norway

*The classification of precipitation in southern Norway in August varied between "Extremely wet" in large parts of Western Norway, but also smaller areas in the north of Eastern Norway, to "Dry" in parts of Møre and Romsdal and the East Afjelske. In Northern Norway, the month varied from "Extremely wet" areas in Nordland to "Extremely dry" areas in the interior of Troms and Finnmark. For the whole country seen as a whole, 30% more rainfall than normal was recorded. In northern Norway, August was "Extremely warm" in Finnmark, Troms and the northern part of Nordland, and mostly "Very warm" otherwise. In southern Norway, the month was mainly on the cold side of normal, but in parts of Møre and Romsdal, Trøndelag and north-eastern areas of østafjells, the month was "Warm". The national temperature was 1.5 °C above normal.*

**Air temperature**

In northern Norway, August was "Extremely warm" in Finnmark, Troms and the northern part of Nordland, and mostly "Very warm" otherwise. In southern Norway, the month was mainly on the cold side of normal, but in parts of Møre and Romsdal, Trøndelag and north-eastern areas of østafjells, the month was "Warm". The national temperature was 1.5 °C above normal, and the month is the 7th warmest August month recorded in a series of measurements going back to 1901. The warmest is 2002 with a deviation of 2.8 °C above normal, while 1907 is coldest with 3.3 °C below normal. The deviations in August this year ranged from 4-6 °C above normal at a number of weather stations in Finnmark and Troms, to around 1 °C below normal at a couple of stations in Vestland.

The hottest stations were

- 27500 Færder lighthouse (Vestfold) 17.6 °C (0.1 °C above normal)
- 17000 Strømtangen lighthouse (Fredrikstad, Østfold) 17.5 °C (0.2 °C above normal)
- 29950 Svenner lighthouse (Larvik, Vestfold) 17.3 °C (0.2 °C above normal)

The coldest stations were

- 15270 Juvvasshøe (Lom, Innlandet, 1894 masl) and 31970 Gaustatoppen (Tinn, Telemark, 1804 masl) 4.3 °C (equal to normal and 0.3 °C below normal, respectively)
- 15262 Juvflye - Mimisbrunnr climate park (Lom, Innlandet, 1844 m above sea level) 4.7 °C (0.1 °C below normal)
- 55425 Spørteggbu (Luster, Vestland, 1566 m above sea level) 5.0 °C (0.4 °C below normal)

The highest maximum temperature was 28.5 °C, and was recorded on the 14th at 69100 Værnes (Stjørdal, Trøndelag).
The lowest minimum temperature was -2.1 °C, and was recorded on the 1st at 54710 Filefjell - Kyrkjestølane (Vang, Inlandet).

The two counties of Troms and Finnmark recorded the warmest month of August, respectively 3.9 °C and 4.7 °C above normal. The old records were respectively 2.4 °C above normal from 1930 and 3.3 °C above normal from 1937. Nordland county recorded the 6th warmest August month with 2.4 °C above normal.
Here, August 1969 is the warmest with 2.9 °C above normal. The region of Northern Norway thus also had the warmest August on record with 3.8 °C above normal. The old record was a deviation of +2.7 °C from 1937.

Around 60 records were set for high monthly temperature, most of them in northern Norway and on Svalbard. Among these, the following stations have at least 50 years of measurements: Bodø (start in 1946), Skrova lighthouse (1931), Andøya (1958), Bardufoss (1941), Tromsø (1920), Torsvåg lighthouse (1934), Nordstraum in Kvænangen (1965) ), Alta airport (1964), Kautokeino (1889), Fruholmen lighthouse (1954), Banak (1957), Slettnes lighthouse (1925), Cuovddatmohkki (1966), Makkaur lighthouse (1928), Vardø (1829, continuous series since 1840), Kirkenes airport (1957), Bjørnøya (1922), Hopen (1946), Svalbard airport (1975), Ny -Ålesund (1974) and Jan Mayen (1921).

Four records were also set for maximum temperature. See the record table at the back of the report.

**Precipitation**

The classification in southern Norway varied between "Extremely wet" in large parts of Western Norway, but also smaller areas in the north of Eastern Norway, to "Dry" in parts of Møre and Romsdal and the East Afjelske. In Northern Norway, the month varied from "Extremely wet" areas in parts of Nordland to "Extremely dry" areas in the interior of Troms and Finnmark. For the whole country seen as a whole, 30% more rainfall than normal was recorded. The month was the 7th wettest August month in the measurement series that goes back to 1901. In this series, 1951 is the wettest with 50% more precipitation than normal, while 1937 is the driest with 60% less precipitation than normal.

The wettest stations were

- 50865 Gullfjellet (Bergen, Vestland) 757.9 mm (120% more precipitation than normal)
- 52930 Brekke in Sogn (Gulen, Vestland) 635.8 mm (148% more precipitation than normal)
- 56520 Hovlandsdal (Fjaler, Vestland) 632.2 mm (164% more precipitation than normal)

The driest stations were

- 61630 Bjorli (Lesja, Inlandet) 17.0 mm (74% less precipitation than normal)
- 91380 Skibotn II (Storfjord, Troms) 17.6 mm (63% less precipitation than normal)
- 94680 Honningsvåg Airport (Nordkapp, Finnmark) 19.7 mm (no normal yet)

The highest daily rainfall was 89.2 mm, and was recorded on 10 August at 50351 Samnanger II (Vestland).

The region of Vestlandet recorded the second wettest August month with 75% more rainfall than normal, beaten only by 1929 with 85% above normal.

The wettest weather station, Gullfjellet, received the second highest monthly rainfall recorded in Norway in August with 757.9 mm. Lurøy (Nordland) holds the Norwegian record with 829.3 mm from 1983. 757.9 mm is also the largest monthly rainfall measured in August in Western Norway. The old record was 592.8 mm recorded at Basura (Etne) in 2019.

Around 40 records were set for high monthly rainfall and 4 station records for daily rainfall. See the record table at the back of the report.

**Snow conditions**

The snow map on page 6 expires in the summer season.

# Arctic

## Air temperature

Bjørnøya and Longyeardalen – Central were the warmest stations with an average of 11.1 °C (respectively 5.4 °C above normal and no normal yet). Kongsøya was the coldest with 5.9 °C on average (no normal yet).

Ny-Ålesund had an average temperature of 8.4 °C, which is 3.8 °C above normal. At Hopen, the monthly temperature was 8.0 °C, which is 4.2 °C above normal. Svalbard Airport had an average temperature of 11.0 °C, which is 5.0 °C above normal. Jan Mayen had a monthly temperature of 8.5 °C, which is 2.2 °C above normal.

All five weather stations with long measurement series, Bjørnøya, Hopen, Svalbard Airport, Ny-Ålesund and Jan Mayen set records for the warmest August, and both Bjørnøya and Svalbard Airport exceeded 10 degrees as an average temperature in August for the first time. See the record table at the back of the report.

The month's highest maximum temperature was 22.5 °C, and was measured on 8 August on Bjørnøya. In addition, more than 20 degrees were measured for the first time at Svalbard Airport in August. The lowest minimum temperature was measured at Klauva on 28 August with 0.4 °C.

The daily average temperature of 18.0 °C, which was measured at Svalbard Airport on 11 August, is the highest recorded at a Norwegian Arctic weather station. The station itself held the old record of 17.8 °C from 28 July 2020.

### Precipitation

Hornsund recorded the most precipitation of the arctic stations with 109.0 mm (the station has no normal yet). Jan Mayen received the second most with 98.0 mm (100% more precipitation than normal, that is twice as much as normal). Bjørnøya was the driest with 6.0 mm (81% less precipitation than normal). Hornsund also measured the largest daily rainfall of the Arctic stations with 32.9 mm on 22 August.

**Sea**

**ice** In August, the extent of sea ice in the Arctic (figure 1) was measured at 5.64 million , which is the 4th lowest prevalence km2 for August recorded with satellite measurements1 (figure 2a). Compared to the reference period, this is defined as a very low prevalence. Around Svalbard, the ice extent is now 0.20 million km2 recorded, which corresponds to a , the 3rd lowest which is very low extent for August (figure 2b).

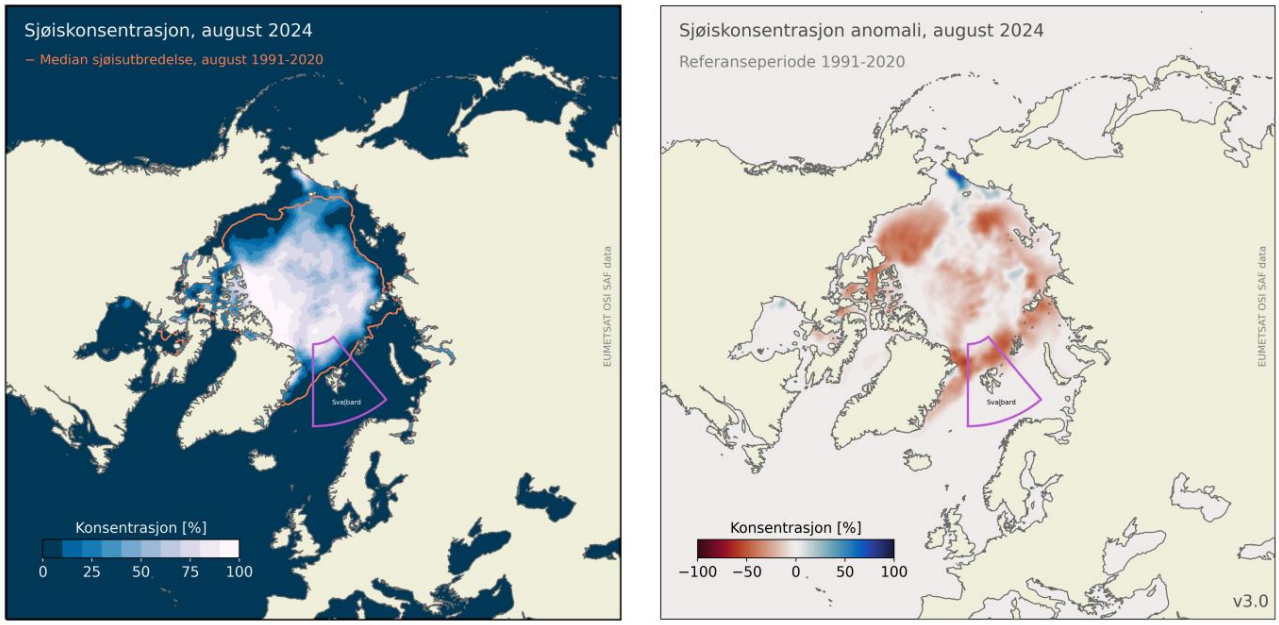
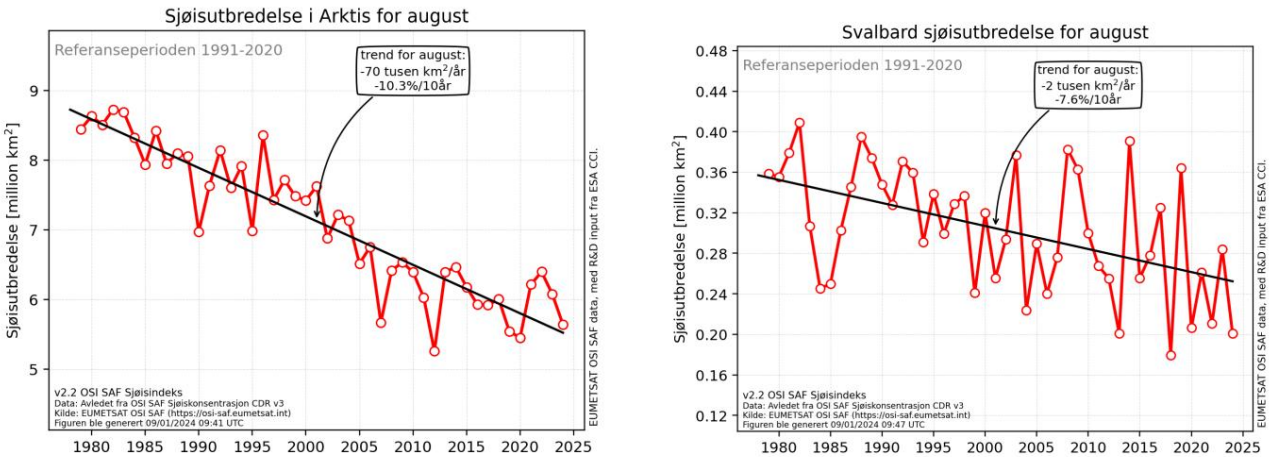



**Figure** 1: Left: The sea ice concentration in the Arctic for August 2024, where blue represents open sea and white represents 100% ice cover. The orange contour marks the middle ice extent (median) for the period 1991–2020. Right: Deviation in percentage of the ice concentration from the reference period 1991–2020. Red areas have less ice than normal while blue have more. The purple box indicates the Svalbard region shown in Figure 2b.




(a) Arctic

(b) the Svalbard area

**Figure** 2: Sea ice extent (a) in the Arctic and (b) for the Svalbard area for August in the period 1979–2024. The trend is calculated in relation to the reference period 1991–2020. The Svalbard area is marked on the map in Figure 1.

1We have satellite observations of sea ice back to October 1978.

# Antarctica

**Sea**

**ice** In the southern hemisphere (figure 3), the sea ice extent for August was measured at 16.84 million km2, which is the second lowest extent that has been recorded for August, and defined as extremely low compared to the reference period (figure 4a). In the sea area outside Dronning Maud Land, the ice extent is 3.31 million km2

, which is a record low prevalence in this area for August (figure 4b).

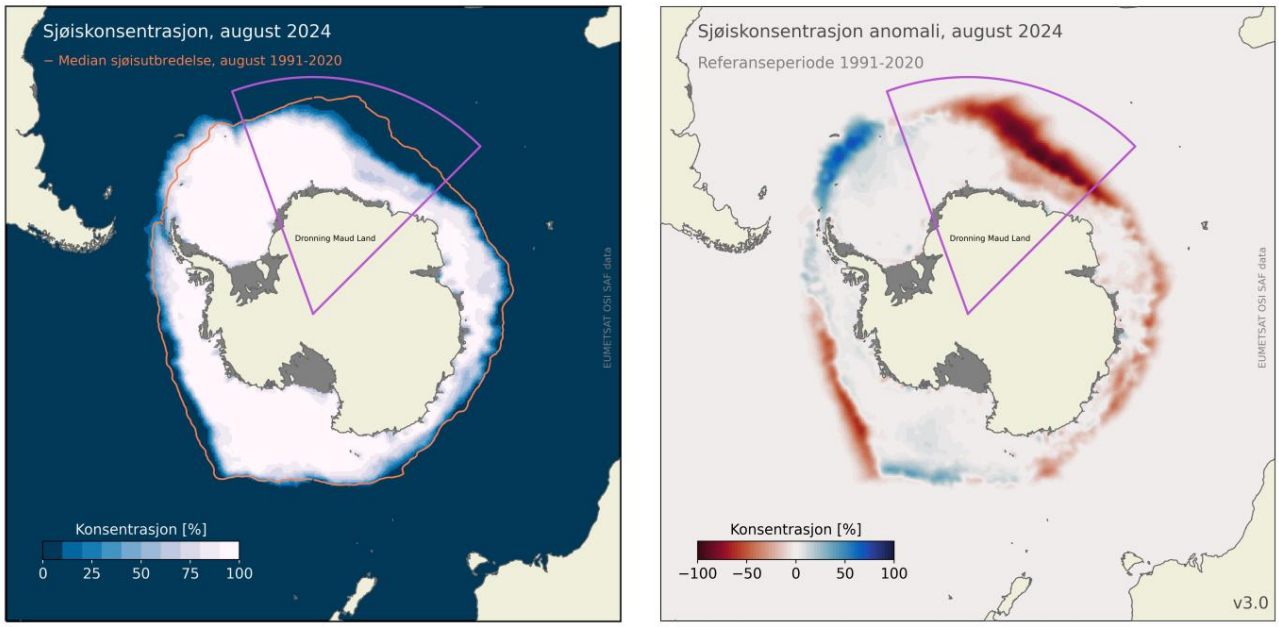
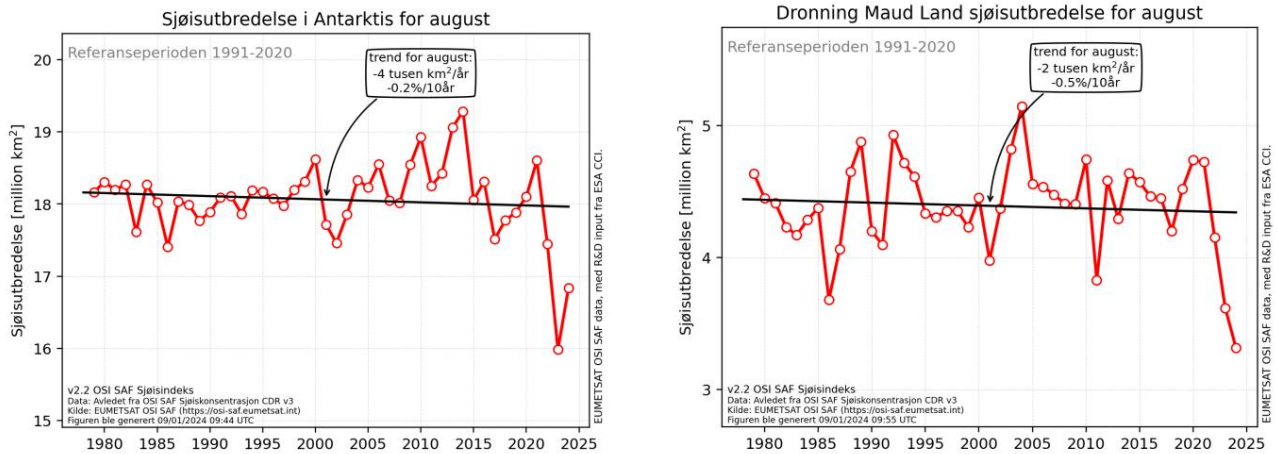



**Figure** 3: Left: The sea ice concentration in Antarctica for August 2024, where blue represents open sea and white represents 100% ice cover. The orange contour marks the middle ice extent (median) for the period 1991–2020. Right: Deviation in percentage of the ice concentration from the reference period 1991–2020. Red areas have less ice than normal while blue have more. The gray areas towards land represent ice shelves.
The purple box indicates the sea area outside Dronning Maud Land shown in Figure 4b.




(a) Antarctica

(b) Queen Maud Land sector

**Figure** 4: Sea ice extent (a) in Antarctica and (b) for a sector outside Queen Maud Land (b) for August in the period 1979–2024. The trend is calculated in relation to the reference period 1991–2020. The Queen Maud Land sector is marked on the map in Figure 3.

See more updated graphs for sea ice on MET's website about the cryosphere https://cryo.met.no/nb/sjoe-is-indeks.

**Records**

Data from weather and precipitation stations that report daily, and which have been in operation for fifteen years or more. "Start" indicates the first year of local August measurements. * means tangent of record.

**Stations with a new August record for 24-hour rainfall**

| Stnr | Name | Municipality | mm | Date | Start | Previous mm | |
|---|---|---|---|---|---|---|---|
| 55820 | Fjærland - The Glacier Museum | Sogndal (Westland) | 61.4 | 11 2005 | 31.08.2019 | 39.7 | |
| 56850 | Viksdalen in Gaular | Sunnfjord (Westland) | 59.6 | 8 1992 | 31.08.2019 | 57.3 | |
| 82000 | Setså | Saltdal (Nordland) | 49.9 | 11 2009 | 20.08.2018 | 36.2 | |
| 99754 | Hornsund | Svalbard (Svalbard) | 32.9 | 22 1985 | 22.08.2004 | 32.4 | |

**Stations with a new August record for high monthly rainfall**

| Stnr | Name | Municipality | mm | Start | 243.2 | Previous etc | |
|---|---|---|---|---|---|---|---|
| 25830 | Finsevatn | Ulvik (Westland) | 2003 | 219.8 | 2007 | 2018 | 224.6 |
| 45870 | Fist - Sigmundstad | Hjelmeland (Rogaland) | | | | 2017 | 211.3 |
| 46850 | Hundseid in Vikedal | Vindafjord (Rogaland) | 523.7 | 1936 | 432.9 | 2019 | 473.7 |
| 47820 | Eikemo | Etne (Westland) | 1961 | 312.8 | 2005 | 2018 | 428.7 |
| 50070 | Kvamsøy | Kvam (Westland) | 533.4 | 2006 | | 2019 | 302.6 |
| 50310 | Kvamskogen - Jonshøgdi | Kvam (Westland) | | | | 2019 | 427.8 |
| 50450 | Fana - Stand | Bergen (Westland) | 404.9 | 1896 | 473.4 | 1929 | 367.0 |
| 50540 | Bergen - Florida 50810 | Bergen (Westland) | 1949 | 390.8 | 2003 | 2019 | 399.6 |
| Åsane | 51250 | Bergen (Westland) | 533.2 | 1944 | 300.9 | 2019 | 374.4 |
| Øvstedal | | Voss (Westland) | 1999 | 484.3 | 1895 | 1982 | 397.3 |
| 51800 | Mjølfjell Uh | Voss (Westland) | 443.5 | 1968 | 465.2 | 2019 | 273.8 |
| 52170 | Eksingedal | Vaksdal (Westland) | 1895 | 524.2 | 1950 | 1982 | 423.0 |
| 52400 | Eikanger - Myr | Elves (Westland) | 635.8 | 1939 | 243.8 | 2016 | 365.1 |
| 52750 | Frozen | Masfjorden (Westland) | 1972 | 195.7 | 1995 | 1909 | 402.0 |
| 52860 | Tackle | Gulen (Westland) | 334.2 | 1977 | 291.1 | 1982 | 475.7 |
| 52930 | Brekke in Parish | Gulen (Westland) | 1972 | 311.1 | 2005 | 1989 | 541.0 |
| 52990 | Ortnevik | Høyanger (Westland) | | | | 2018 | 202.1 |
| 53101 | Vangsnes | Vik (Westland) | | | | 2018 | 195.3 |
| 53160 | Jordalen - Nåsen | Voss (Westland) | | | | 2019 | 294.8 |
| 55670 | Veitastrond | Luster (Westland) | | | | 2018 | 218.2 |
| 55820 | Fjærland - The Glacier Museum | Sogndal (Westland) | | | | 2018 | 234.4 |
| 55930 | Balestrand Fire station | Sogndal (Westland) | 275.5 | 1994 | | 2018 | 228.3 |
| 56010 | Høyanger works | Høyanger (Westland) | 389.8 | 1981 | | 2018 | 284.2 |
| 56420 | Fureneset | Fjaler (Westland) | 382.1 | 1972 | | 2018 | 337.7 |
| 56520 | Hovlandsdal | Fjaler (Westland) | 632.2 | 1899 | | 1909 | 515.2 |
| 56780 | Sygna | Sunnfjord (Westland) | 459.7 | 1996 | | 2018 | 305.3 |
| 56850 | Viksdalen in Gaular Sunnfjord (Vestland) | | 444.9 | 1992 | | 2018 | 317.3 |
| 56960 | Haukedal | Sunnfjord (Westland) | 481.4 | 1895 | | 1909 | 356.0 |
| 57480 | Botnen in Førde | Sunnfjord (Westland) | 506.1 | 1895 | | 1909 | 476.9 |
| 57660 | Eimhjellen | Gloppen (Westland) | 537.8 | 1981 | | 1982 | 421.0 |

| | | | | | |
|---|---|---|---|---|---|
| 57810 Svelgen II | Bremanger (Westland) | 441.7 | 1973 | 1982 | 383.8 |
| 57850 Daviknes | Bremanger (Westland) | 338.0 | 1990 | 2009 | 326.7 |
| 57940 Ålfoten II | Bremanger (Westland) | 385.5 | 1943 | 1974 | 278.4 |
| 57990 Gjengedal | Gloppen (Westland) | 441.3 | 1972 | 1982 | 385.7 |
| 58070 Sandane | Gloppen (Westland) | 212.4 | 1957 | 2009 | 202.9 |
| 58320 Myklebust in Breim | Gloppen (Westland) | 280.9 | 1895 | 1940 | 249.9 |
| 58480 Oldedalen | Stryn (Westland) | 220.6 | 1940 | 2018 | 208.6 |
| 58780 Nordfjordeid - Nymark | City (Westland) | 285.3 | 1972 | 1982 | 230.4 |
| 58900 Stryn - Kroken | Stryn (Westland) | 219.7 2002 201.3 | | 2016 | 190.7 |
| 65370 Smøla - Moldstad | Smøla (Møre and Romsdal) | 1963 | | 1998 | 179.7 |
| 82000 Setså | Saltdal (Nordland) | 191.3 2009 | | 2018 | 154.9 |

**Stations with a new August record for low monthly rainfall**

| Stnr | Name | Municipality | mm Start | Previous mm | |
|---|---|---|---|---|---|
| 16560 | Dombås - Nordigard | Dovre (Inland) | 29.6 2006 | 39.2 2015 | |
| 61630 | Bjørli | Lesja (Inland) | 17.0 2010 | 27.9 2019 | |

**Stations with a new August record for high monthly mean temperature**

| Stnr | Name | Municipality | °C | Start | Previous | °C |
|---|---|---|---|---|---|---|
| 9160 | Folldal - Fredheim | Folldal (Inland) | 11.6 2010 | | 2019 | 11.5 |
| 73550 | Gartland | Grong (Trøndelag) | 14.5* 2008 | 14.9 | 2023 | 14.5 |
| 74350 | Namsskogan | Namsskogan (Trøndelag) | 2007 14.0 | | 2009 | 14.7 |
| 77425 | Majavatn V | Grane (Nordland) | 2008 13.7* | | 2015 | 13.6 |
| 79764 | Hjartåsen | Rana (Nordland) | 2009 15.8 | 2008 | 2023 | 13.7 |
| 80102 | Solvær III | Luroy (Nordland) | 15.4 2009 | 15.3 | 2015 | 15.2 |
| 80740 | Reipå | Meløy (Nordland) | 2009 16.0 | 1953 | 2023 | 15.0 |
| 82000 | Setså | Saltdal (Nordland) | 15.6 2005 | 16.1 | 2023 | 14.9 |
| 82290 | Bodø | Bodø (Nordland) | 2004 16.2 | | 1969 | 15.8 |
| 82410 | Holy Week II | Bodø (Nordland) | 2008 16.3 | 1931 | 2023 | 15.1 |
| 84970 | Evenes Airport | Evenes (Nordland) | 15.9 2004 | 15.6 | 2023 | 14.9 |
| 85040 | Root weather | Lødingen (Nordland) | 2005 15.0 | | 2023 | 14.8 |
| 85380 | Skrova lighthouse | Vågan (Nordland) | 2005 14.8 | | 1934 | 16.2 |
| 85450 | Svolvær Airport | Vågan (Nordland) | 2003 15.6 | | 2023 | 15.6 |
| 85560 | Leknes Airport | Vestvågøy (Nordland) | 2005 16.1 | | 2023 | 15.0 |
| 85840 | Værøy heliport | Værøy (Nordland) | 2003 15.1 | 1958 | 2023 | 14.4 |
| 85890 | Røst Airport | Voice (Nordland) | 15.9 2004 | 15.9 | 2023 | 14.1 |
| 86600 | Stokmarknes Lh - Skagen Hadsel (Nordland) | | 1980 15.7 | 1941 | 2023 | 14.2 |
| 86740 | Bø i Vesterålen III | Bø (Nordland) | 14.3 2010 | 15.5 | 2023 | 14.9 |
| 87110 | Andøya | Andøy (Nordland) | 1995 15.5 | 1920 | 2023 | 13.7 |
| 87640 | Harstad stadium | Harstad (Troms) | 15.3 1965 | 16.5 | 2023 | 14.6 |
| 88690 | Hekkingen lighthouse | Senja (Troms) | 2010 15.3 | 2010 | 2023 | 13.7 |
| 89350 | Bardufoss | Målselv (Troms) | | | 1950 | 14.5 |
| 89940 | Divdalen II | Målselv (Troms) | | | 2023 | 13.2 |
| 90400 | Tromsø - Holt | Tromsø (Troms) | | | 2023 | 13.5 |
| 90450 | Tromsø | Tromsø (Troms) | | | 1930 | 14.0 |
| 90490 | Tromsø - Langnes | Tromsø (Troms) | | | 2023 | 13.3 |
| 90720 | Måsvik | Tromsø (Troms) | | | 2023 | 14.0 |
| 90760 | The subject | Karlsøy (Troms) | | | 2023 | 12.7 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 90800 Torsvåg lighthouse | Karlsøy (Troms) | 15.8 | 1934 | 16.7 | 1934 | 13.4 |
| 91380 Skibotn II | Storfjord (Troms) | 2005 | 14.0 | | 2023 | 14.4 |
| 91430 Rihpojavri | Storfjord (Troms) | 2010 | 16.7 | | 2023 | 12.4 |
| 91740 Sørkjosen Airport | Nordreisa (Troms) | 2006 | 16.7 | | 2023 | 14.4 |
| 92350 Nordstraum in Kvænangen Kvænangen (Troms) | | 1965 | 16.4 | | 2023 | 14.1 |
| 92750 Hasvik Airport | Hasvik (Finnmark) | 2006 | 14.2 | | 2023 | 13.7 |
| 93000 Hasvik - Sluskfjellet | Hasvik (Finnmark) | 2008 | 17.1 | | 2023 | 11.5 |
| 93140 Alta Airport | Alta (Finnmark) | 1964 | 13.9 | | 2023 | 14.6 |
| 93301 Suolovuopmi - Lulit | Kautokeino (Finnmark) | 2005 | 14.5 | | 2023 | 12.4 |
| 93700 Kautokeino | Kautokeino (Finnmark) | 1889 | 16.9 | | 1937 | 14.3 |
| 94280 Hammerfest Airport | Hammerfest (Finnmark) | 2004 | 15.2 | | 2023 | 13.8 |
| 94500 Fruholmen lighthouse | Måsøy (Finnmark) | 1954 | 15.6 | | 2023 | 12.2 |
| 94680 Honningsvåg Airport | North Cape (Finnmark) | 2004 | 16.8 | | 2023 | 12.8 |
| 95350 Banak | Porsanger (Finnmark) | 1957 | 16.2 | | 2022 | 14.0 |
| 96310 Mehamn Airport | Gamvik (Finnmark) | 2004 | 15.0 | | 2023 | 13.4 |
| 96400 Slettnes lighthouse | Gamvik (Finnmark) | 1928 | 14.9 | | 2022 | 12.1 |
| 97251 Karasjok - Markannjarga | Karasjok (Finnmark) | 2004 | 14.9 | | 2023 | 13.6 |
| 97350 Cuovddatmohkki | Karasjok (Finnmark) | 1966 | 16.2 | | 2023 | 13.3 |
| 98090 Berlevåg Airport | Berlevåg (Finnmark) | 2004 | 15.5 | 2006 | 2022 | 12.7 |
| 98360 Båtsfjord - Straumsnesaxla | Båtsfjord (Finnmark) | | | | 2023 | 13.1 |
| 98400 Makkaur lighthouse | Båtsfjord (Finnmark) | 15.9 | 1925 | | 1937 | 13.3 |
| 98550 Vardø radio | Vardø (Finnmark) | 13.5 | 1829 | | 1937 | 12.7 |
| 98580 Vardø Airport | Vardø (Finnmark) | 13.8 | 2007 | | 2022 | 12.5 |
| 98790 Vadsø Airport | Vadsø (Finnmark) | 14.6 | 2004 | | 2023 | 13.4 |
| 99370 Kirkenes Airport | Sør-Varanger (Finnmark) | 15.9 | 1957 | | 2023 | 14.5 |
| 99460 Pasvik - Svanvik | Sør-Varanger (Finnmark) | 15.9 | 2009 | | 2023 | 14.4 |
| 99710 Bjørnøya | Svalbard (Svalbard) | 11.1 | 1922 | | 2013 | 8.2 |
| 99720 Hopen | Svalbard (Svalbard) | 8.0 | 1946 | | 2023 | 5.8 |
| 99754 Hornsund | Svalbard (Svalbard) | 7.4 | 2007 | | 2023 | 6.0 |
| 99840 Svalbard Airport | Svalbard (Svalbard) | 11.0 | 1975 | | 2023 | 8.4 |
| 99910 Ny-Ålesund | Svalbard (Svalbard) | 8.4 | 1974 | | 2023 | 6.4 |
| 99935 Karl XII Island | Svalbard (Svalbard) | 6.3 | 2000 | | 2018 | 3.4 |
| 99950 Jan Mayen | Jan Mayen (Jan Mayen) | 8.5 | 1921 | | 1934 | 7,8 |

**Stations with new August record for maximum temperature**

| Stnr | Name | Municipality | °C | Date | Start | Previous °C | |
|---|---|---|---|---|---|---|---|
| 90490 | Tromsø - Langnes | Tromsø (Troms) | 26.1* | 7 | 1964 | 02.08.1994 | 26.1 |
| 99710 | Bjørnøya | Svalbard (Svalbard) | 22.5 | 8 | 1937 | 07.08.1989 | 21.5 |
| 99754 | Hornsund | Svalbard (Svalbard) | 16.2 | 10 | 1995 | 01.08.2015 | 15.1 |
| 99840 | Svalbard Airport | Svalbard (Svalbard) | 20.3 | 11 | 1975 | 31.08.1997 | 18.1 |