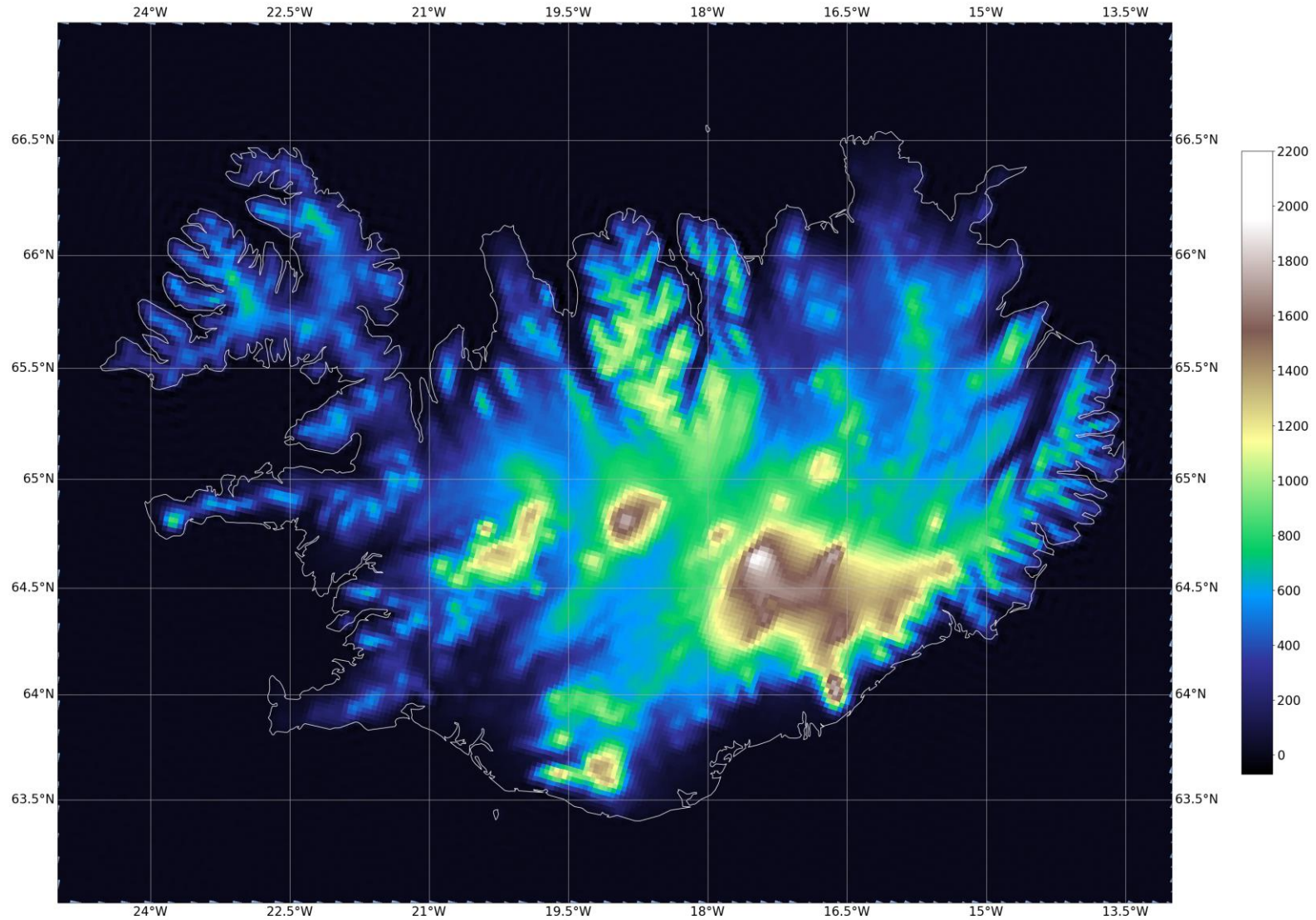


# Nokkrir þættir í veðurfari á Íslandi 1992-2023

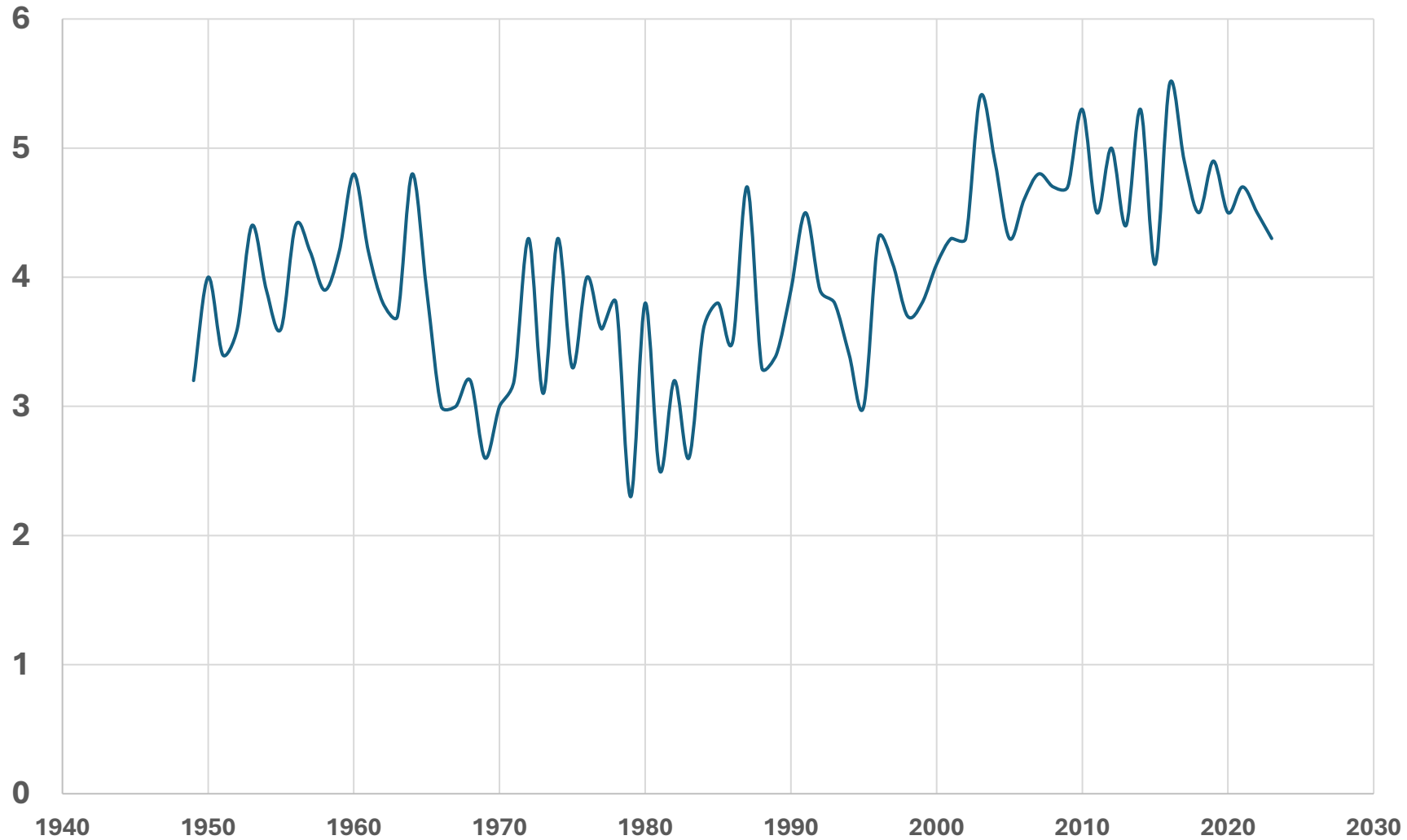
- Haraldur Ólafsson, Iman Rousta, Felix Vaccaro, Rémi Tain og Timothy Darjo

# CARRA (dx=2,5 km) 1992-2023



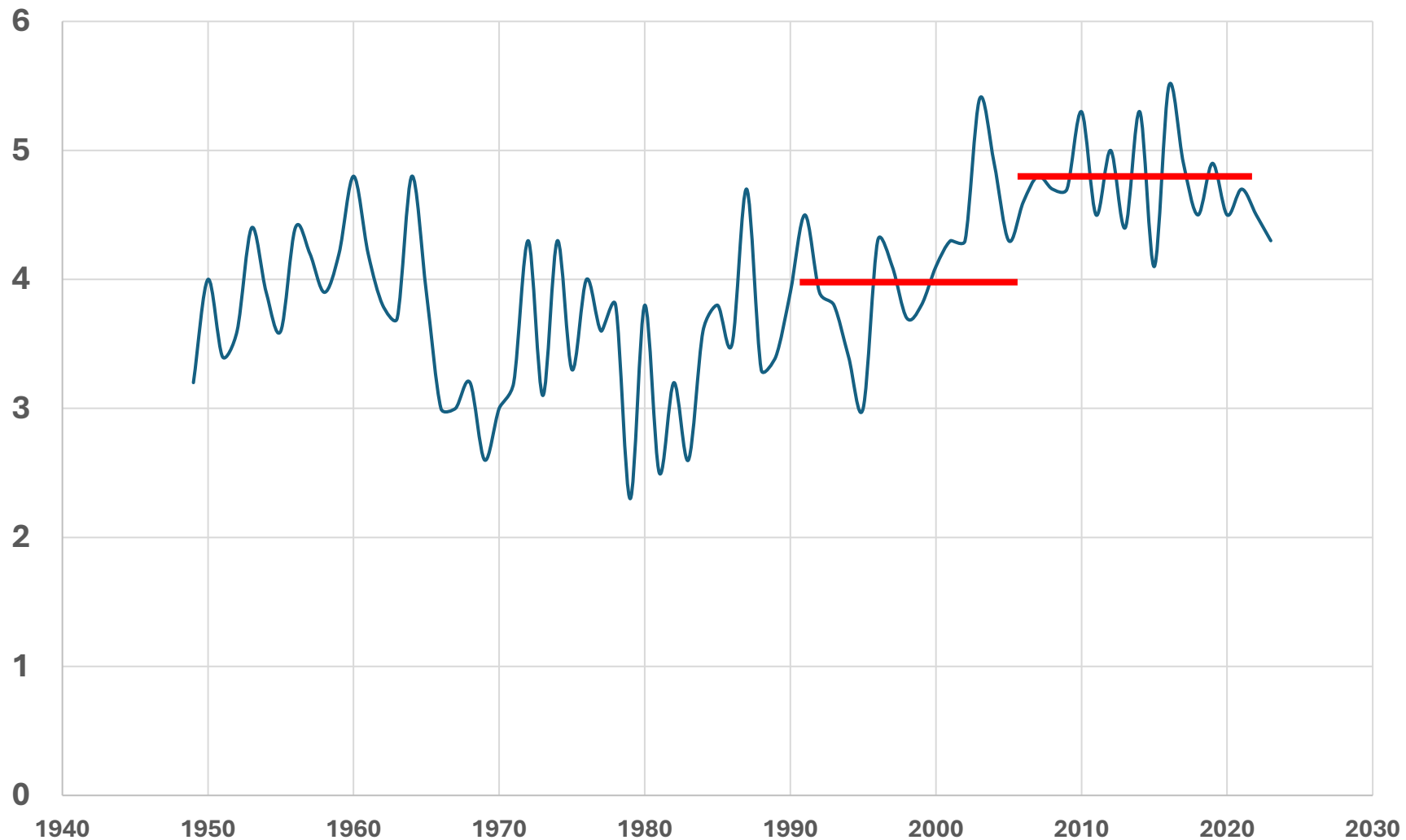
# Meðalárshiti í Stykkishólmi (°C)

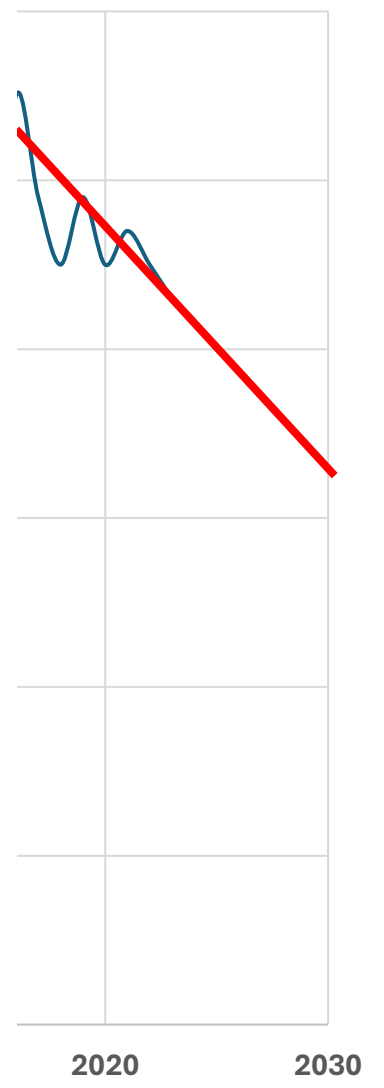
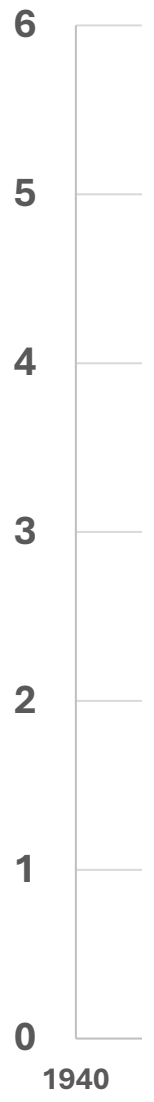
Meðalárshiti í Stykkishólmi °C



# Meðalárshiti í Stykkishólmi (°C)

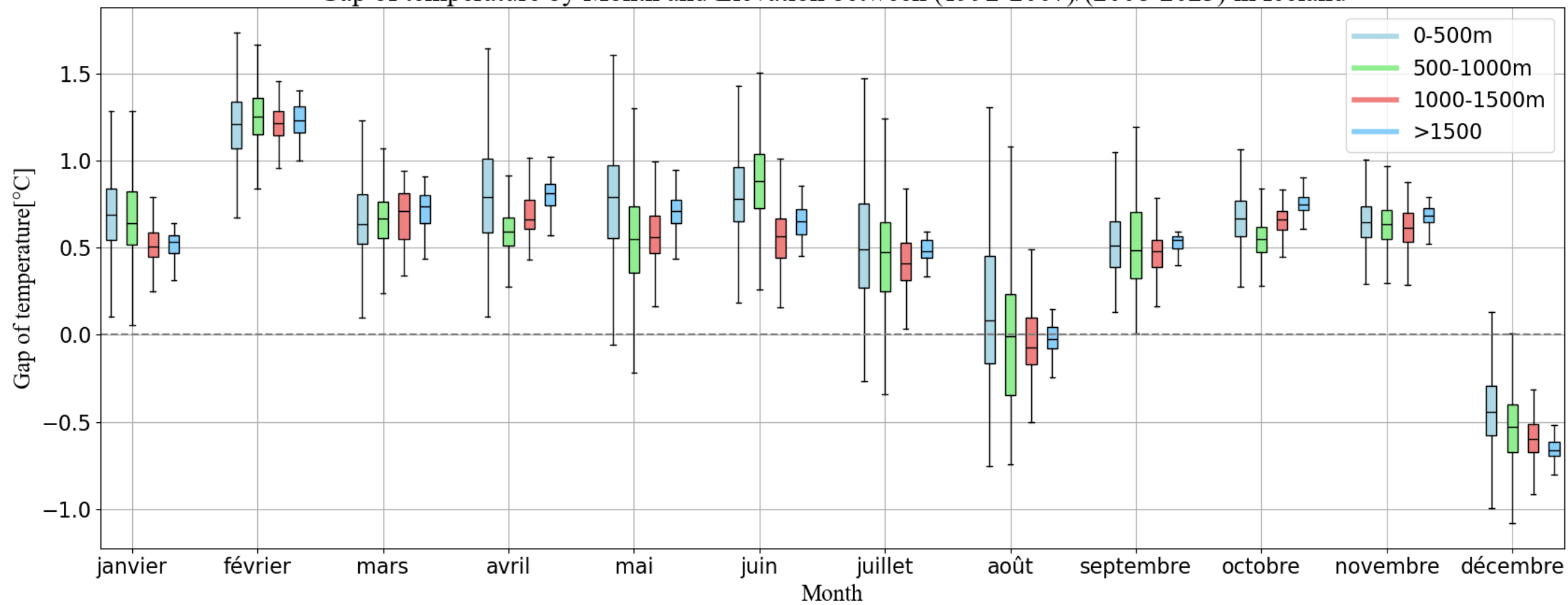
Meðalárshiti í Stykkishólmi °C





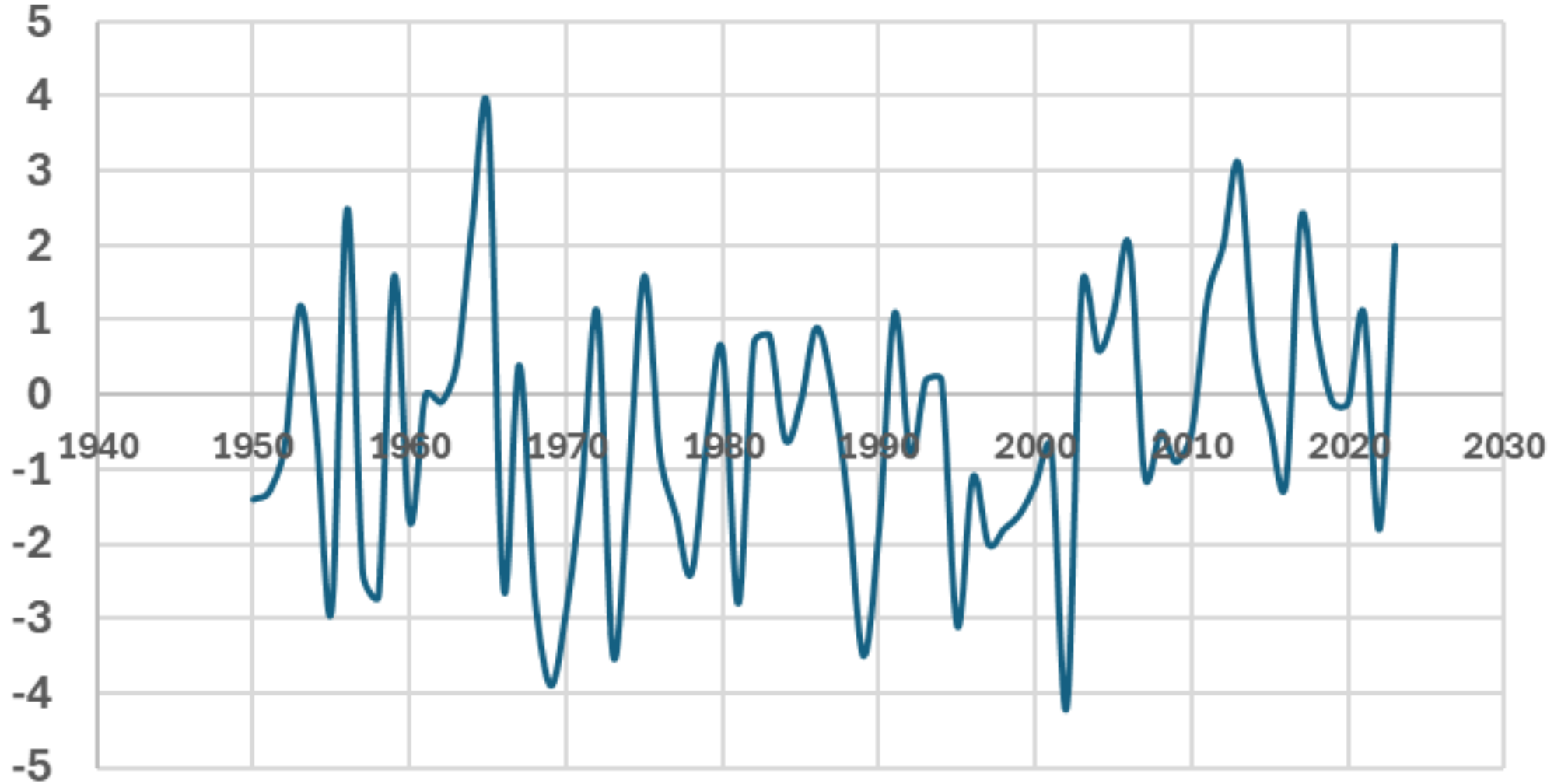


Gap of temperature by Month and Elevation between (1992-2007)/(2008-2023) in Iceland



# Stykkishólmur - Meðalhiti í febrúar

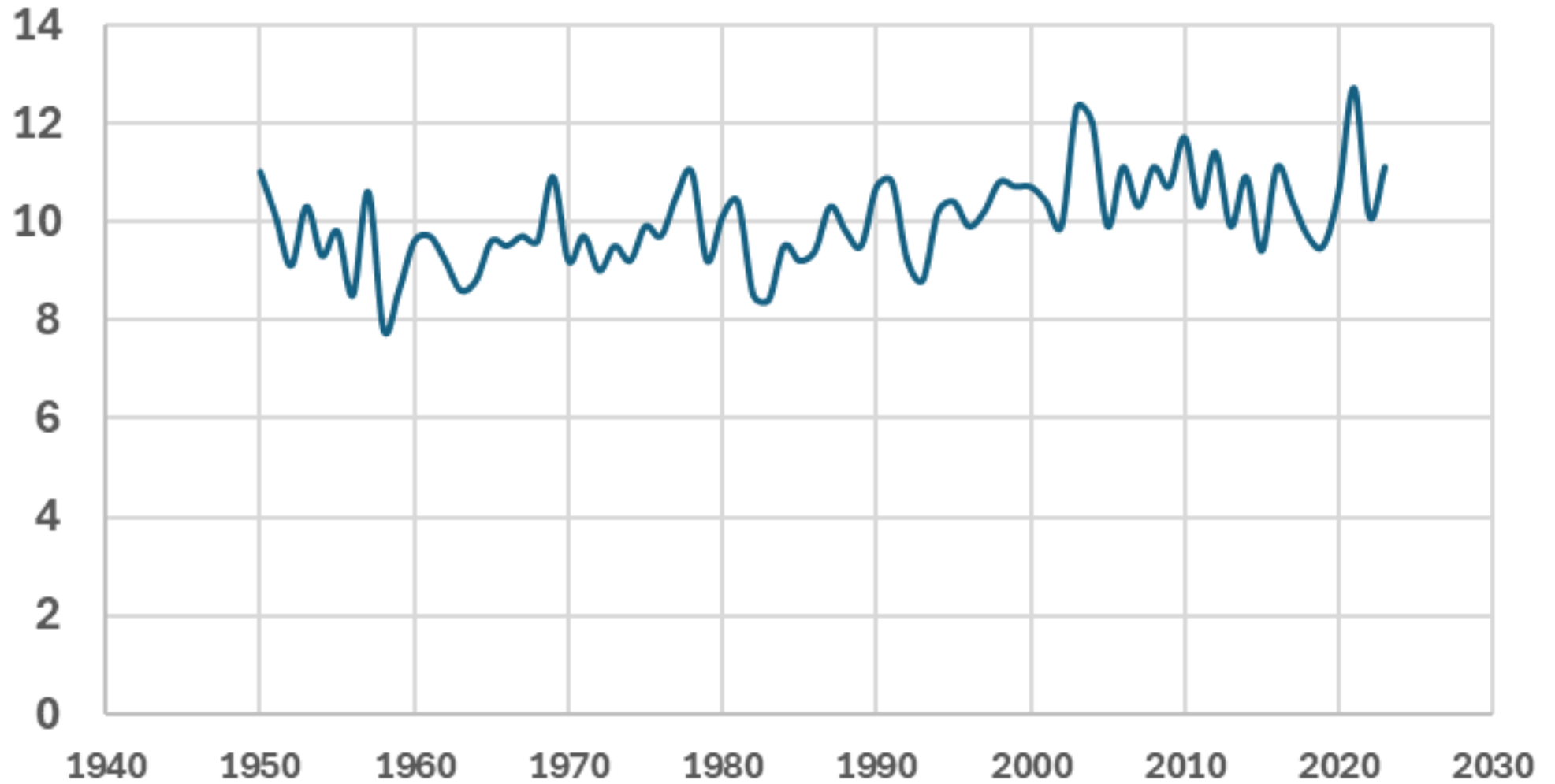
°C



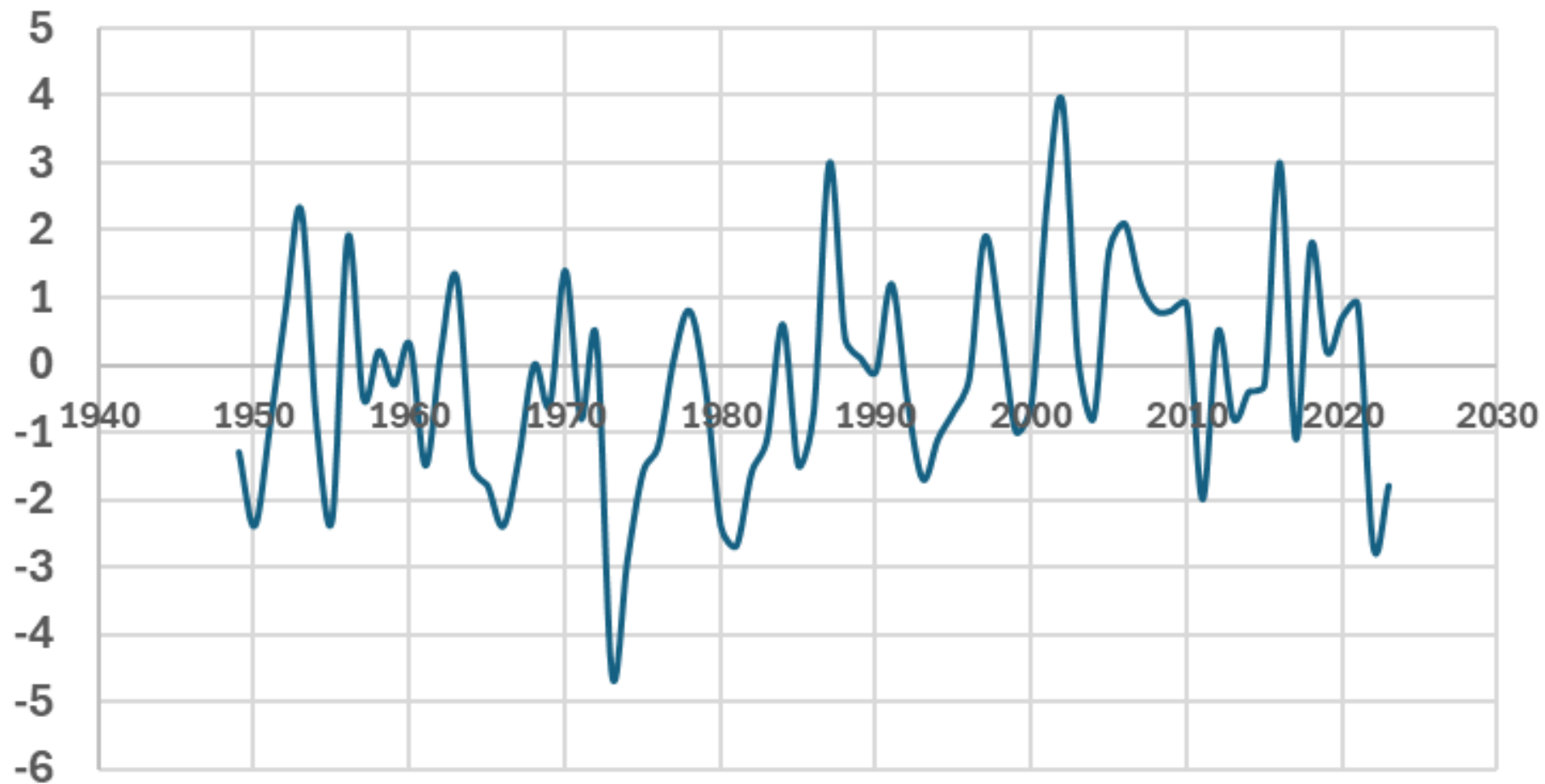


°C

### Stykkishólmur - Meðalhiti í ágúst

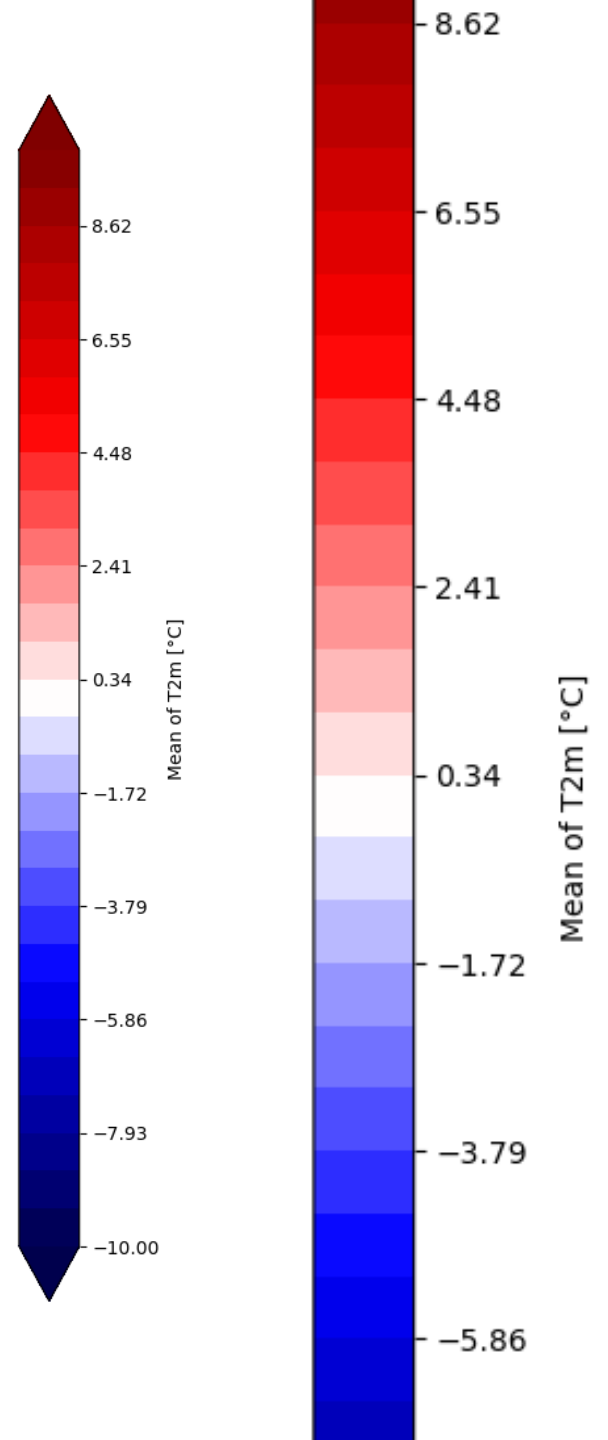
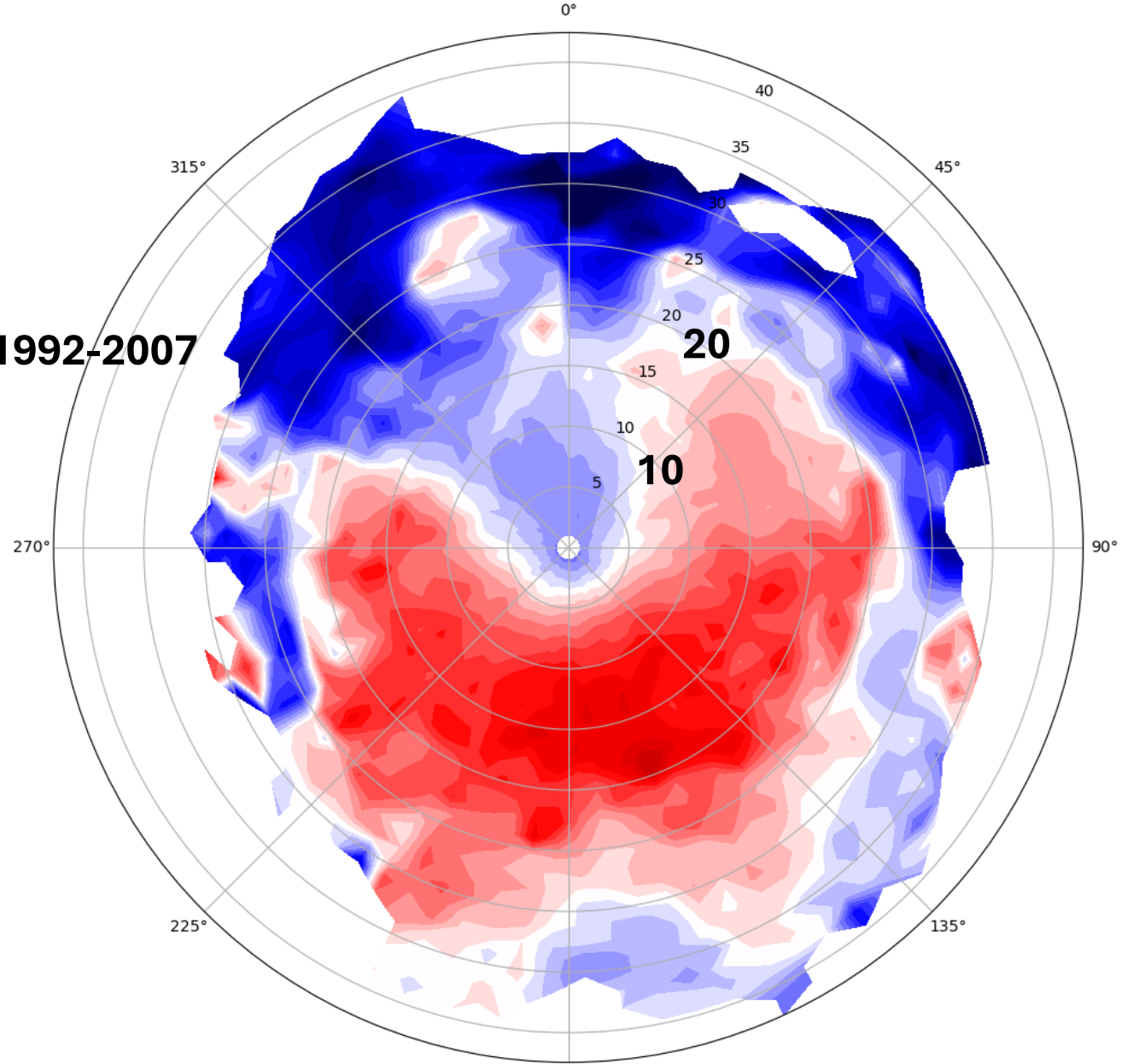


## Stykkishólmur - Meðalhiti í desember



December's mean temperature (T2m) by wind direction and wind speed for the period (1992-2007)

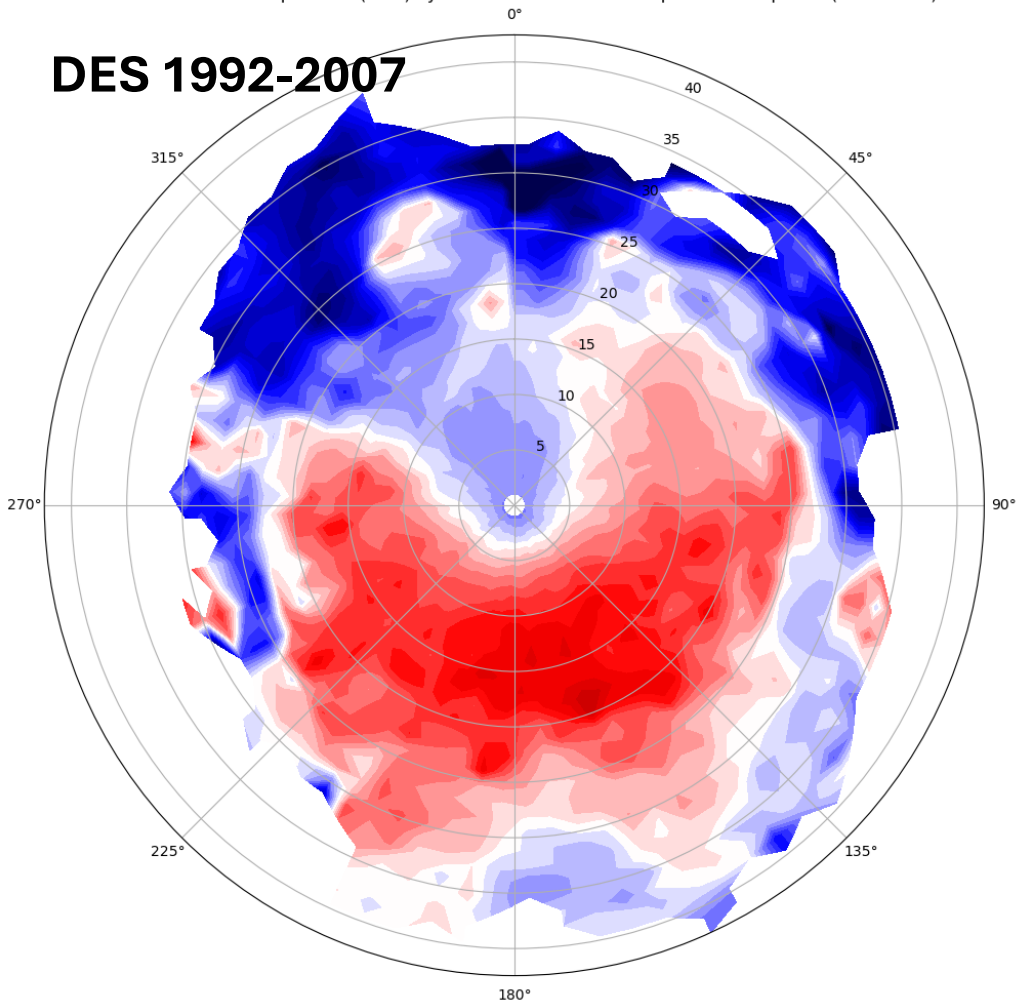
**DES 1992-2007**



**Fjarlægð frá miðju sýnir vindhraða**

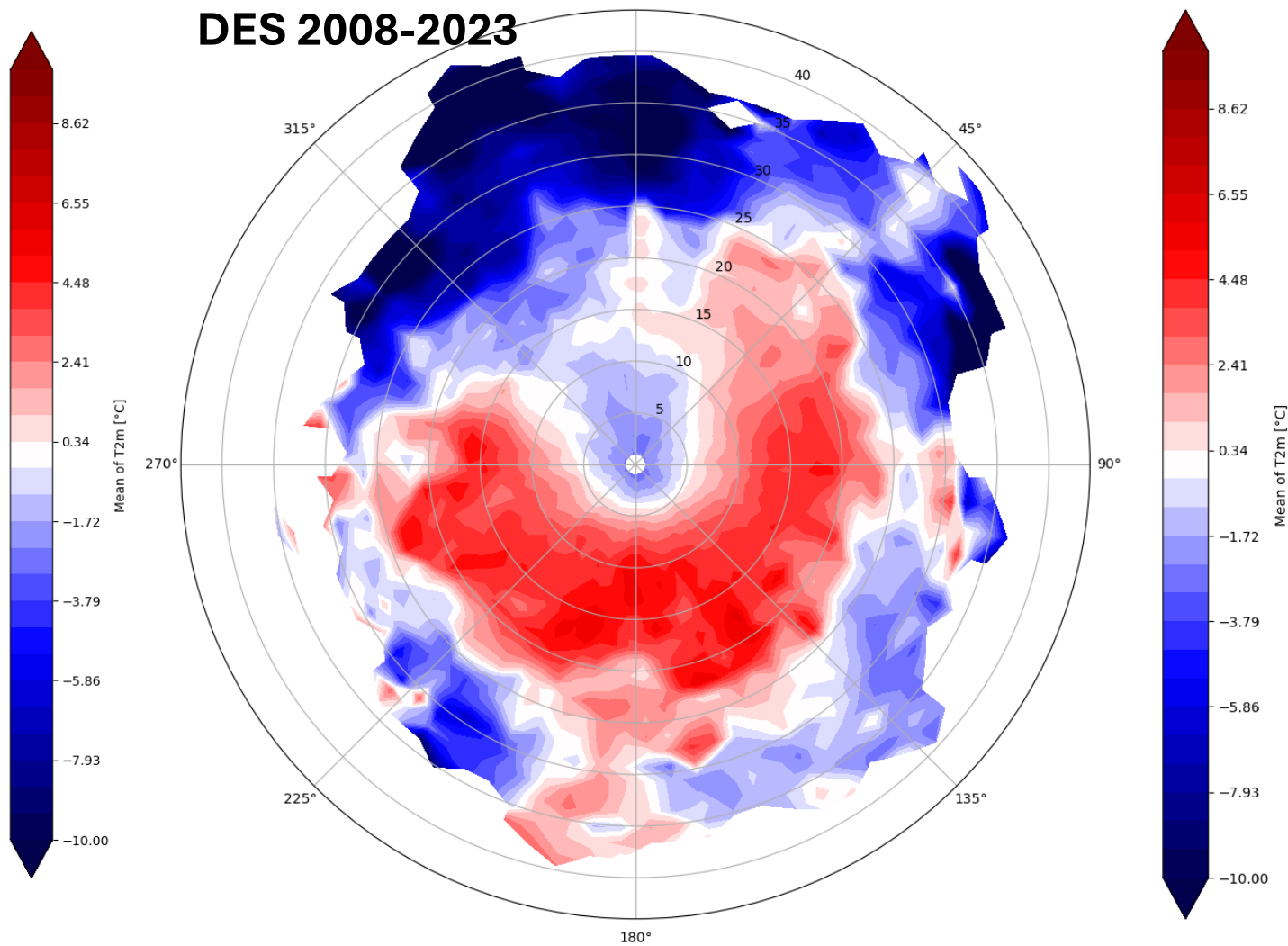
December's mean temperature (T2m) by wind direction and wind speed for the period (1992-2007)

## DES 1992-2007

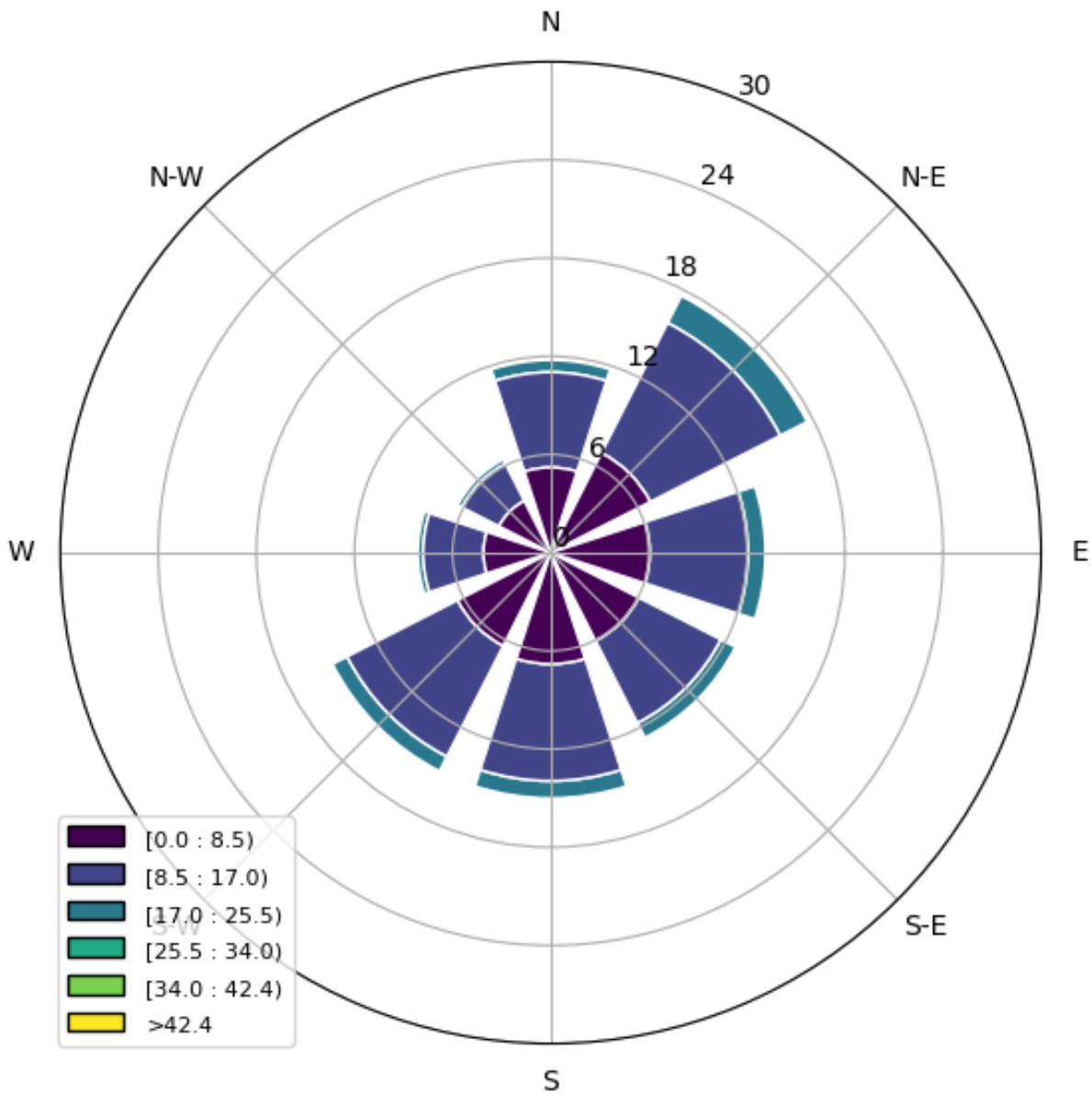


December's mean temperature (T2m) by wind direction and wind speed for the period (2008-2023)

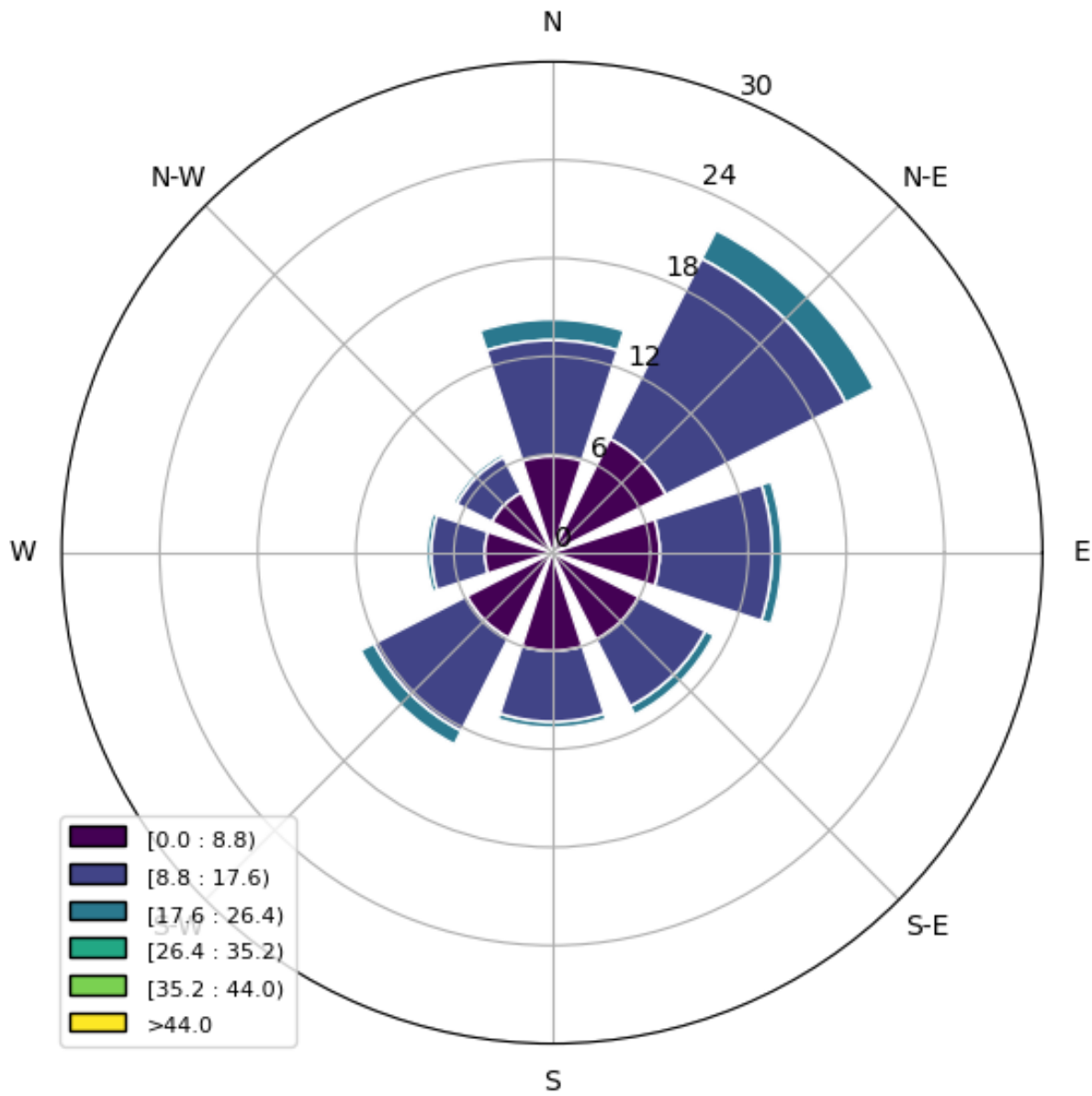
## DES 2008-2023



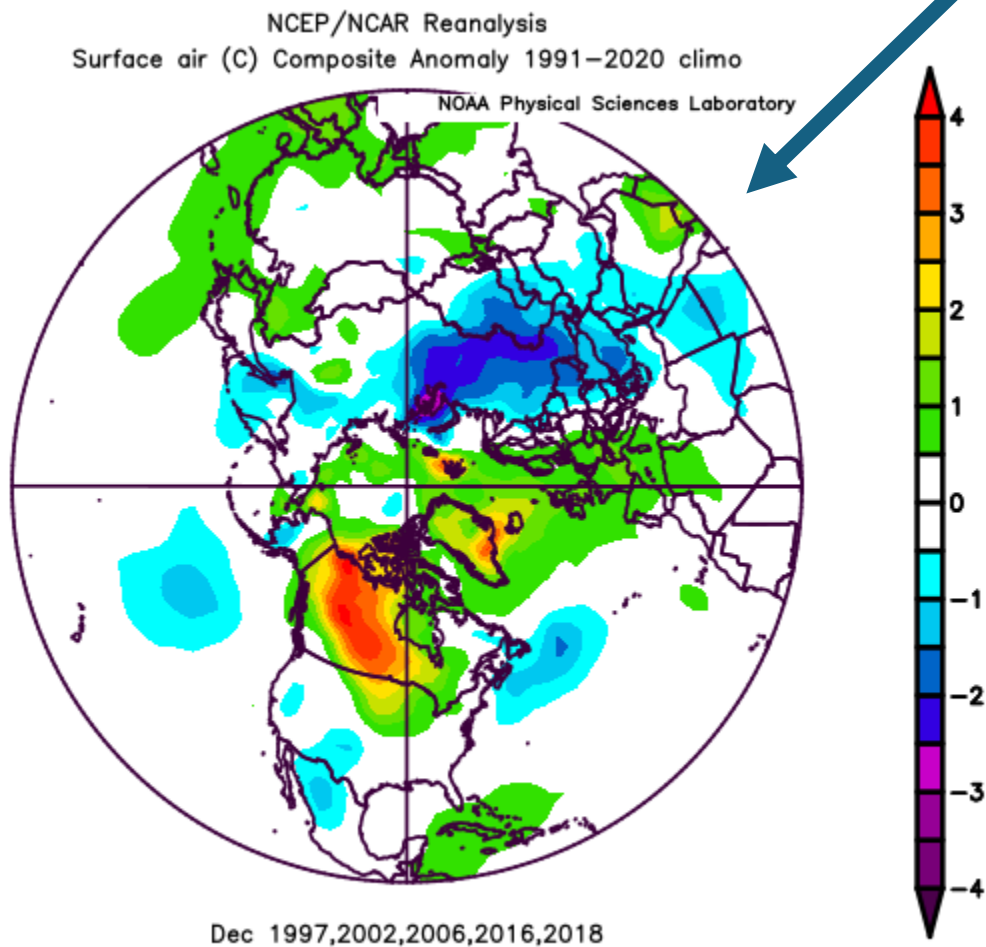
Compass Rose for december (1992-2007)



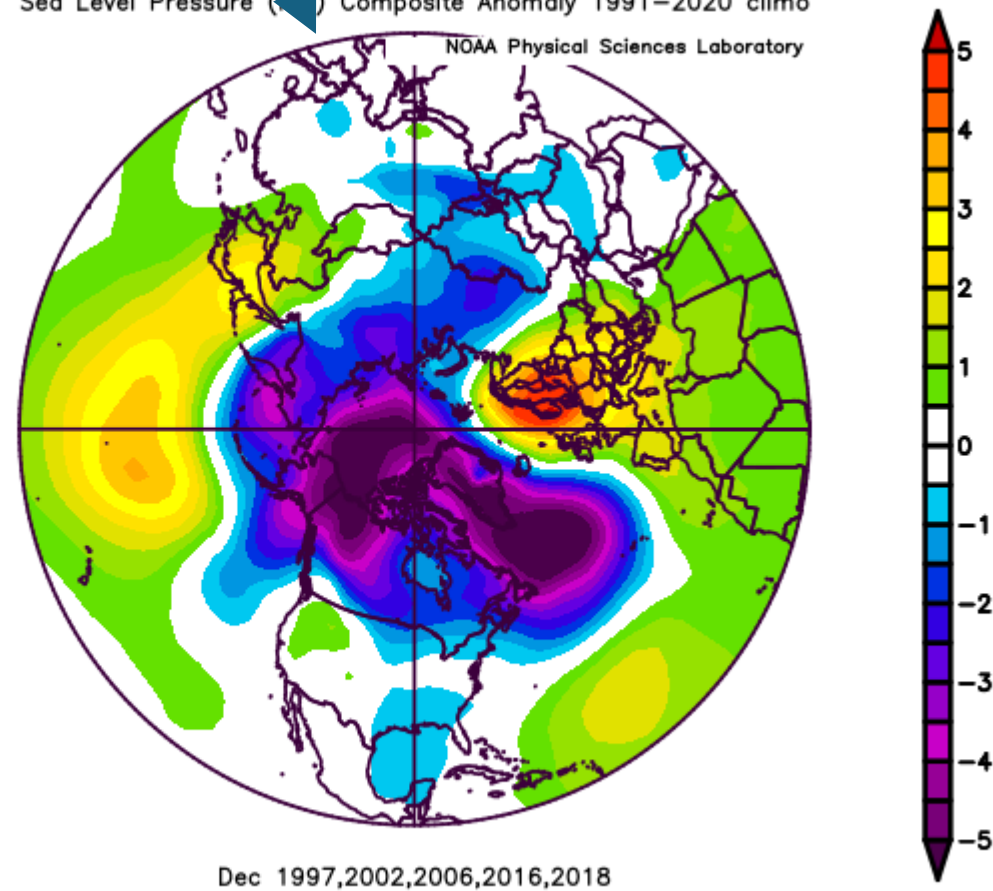
Compass Rose for december (2008-2023)



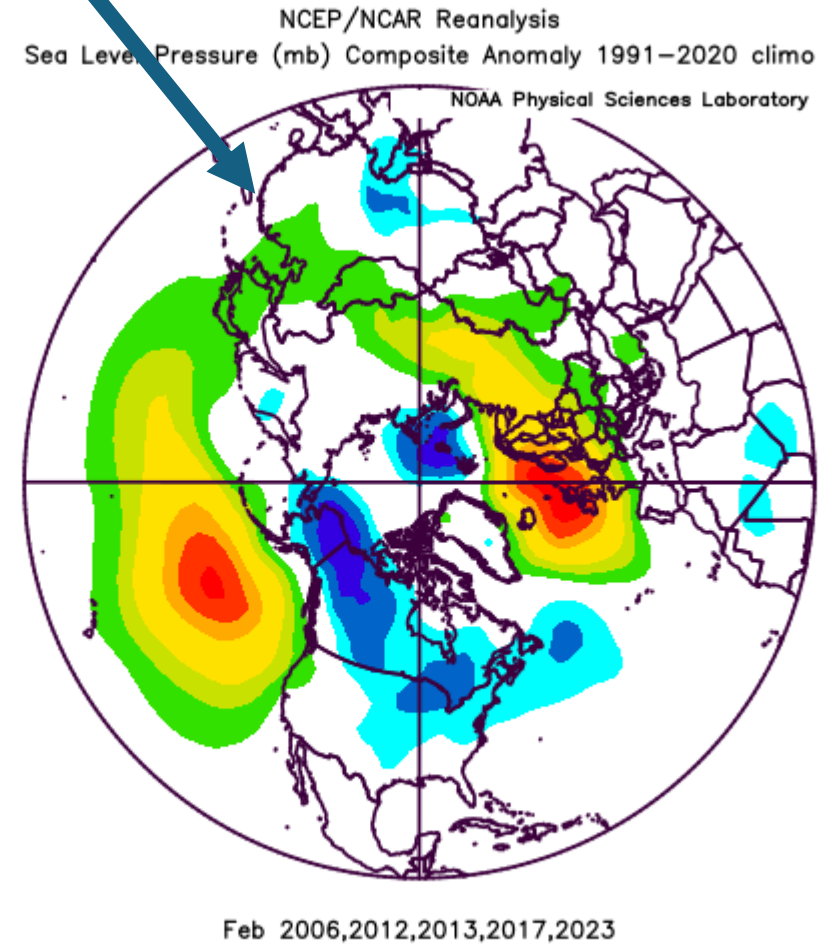
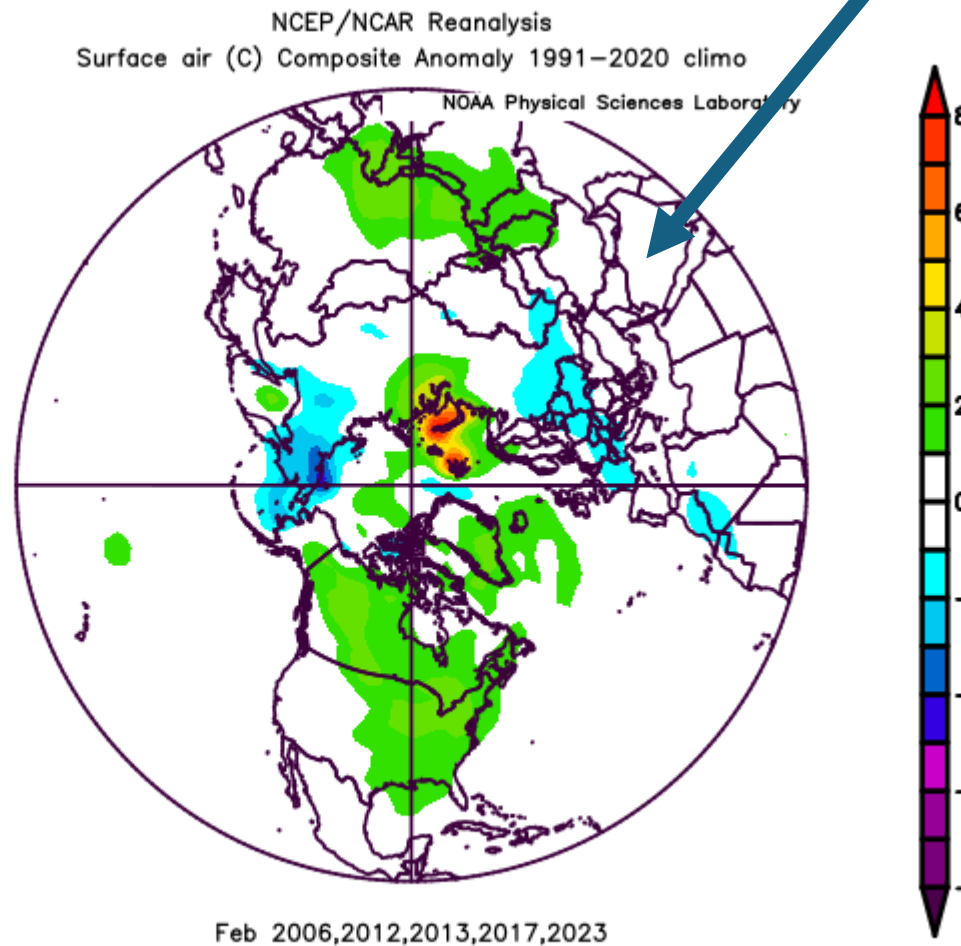
# Hlýr desember – Frávik í T 2m og MSLP



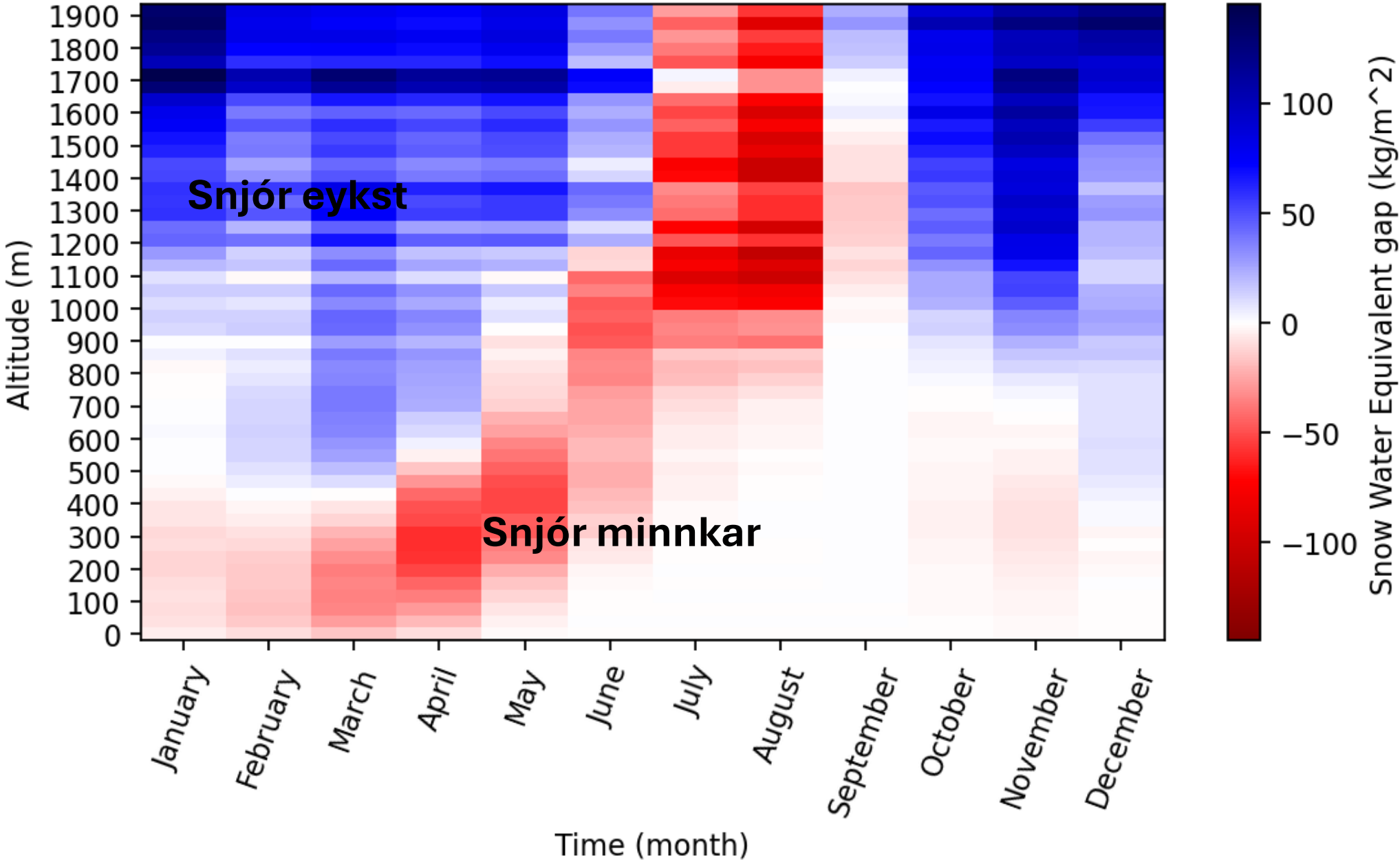
NCEP/NCAR Reanalysis  
Sea Level Pressure (hPa) Composite Anomaly 1991–2020 clima  
NOAA Physical Sciences Laboratory



# Hlýr febrúar – Frávik í T2m og MSLP



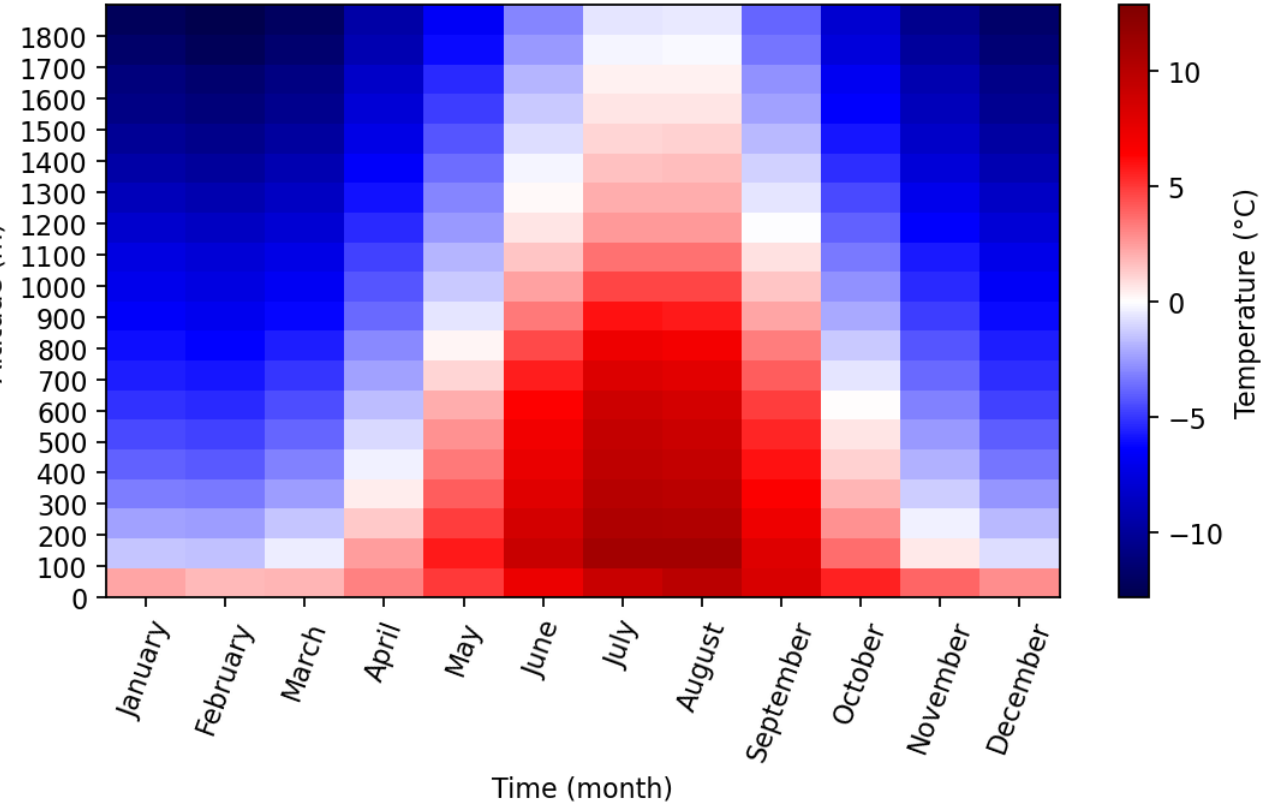
Gap of snow water equivalent from 1992 to 2021 by altitude in Iceland



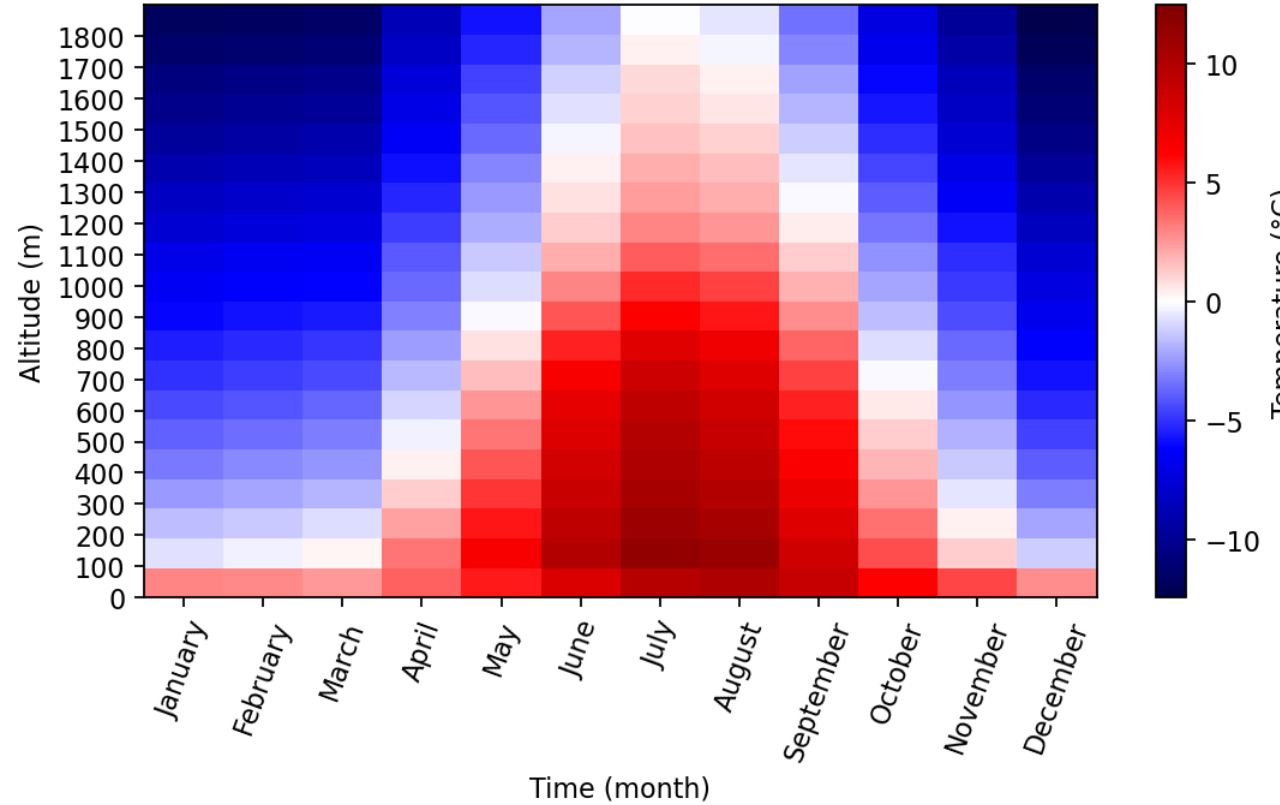


# Lofthiti og hæð netpunkta

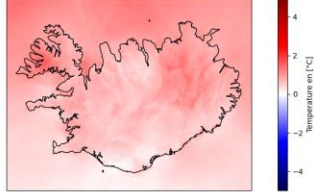
Temperature overview from 1992 to 2007 by altitude in Iceland



Temperature overview from 2008 to 2023 by altitude in Iceland



Gap of temperature in [°C] for janvier between (1991-2007) and (2008-2024)



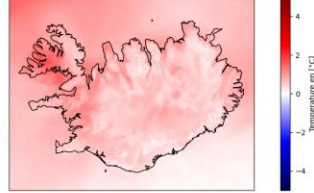
Gap of temperature in [°C] for février between (1991-2007) and (2008-2024)



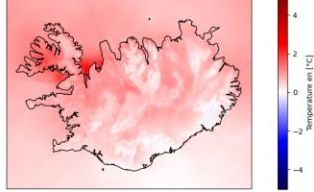
Gap of temperature in [°C] for mars between (1991-2007) and (2008-2024)



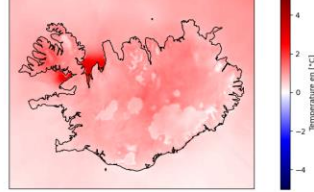
Gap of temperature in [°C] for avril between (1991-2007) and (2008-2024)



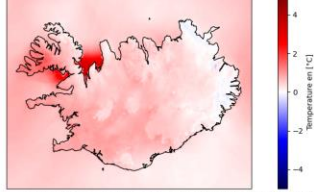
Gap of temperature in [°C] for mai between (1991-2007) and (2008-2024)



Gap of temperature in [°C] for juin between (1991-2007) and (2008-2024)



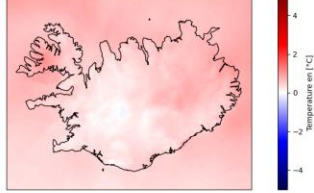
Gap of temperature in [°C] for juillet between (1991-2007) and (2008-2024)



Gap of temperature in [°C] for août between (1991-2007) and (2008-2024)



Gap of temperature in [°C] for septembre between (1991-2007) and (2008-2024)



Gap of temperature in [°C] for octobre between (1991-2007) and (2008-2024)



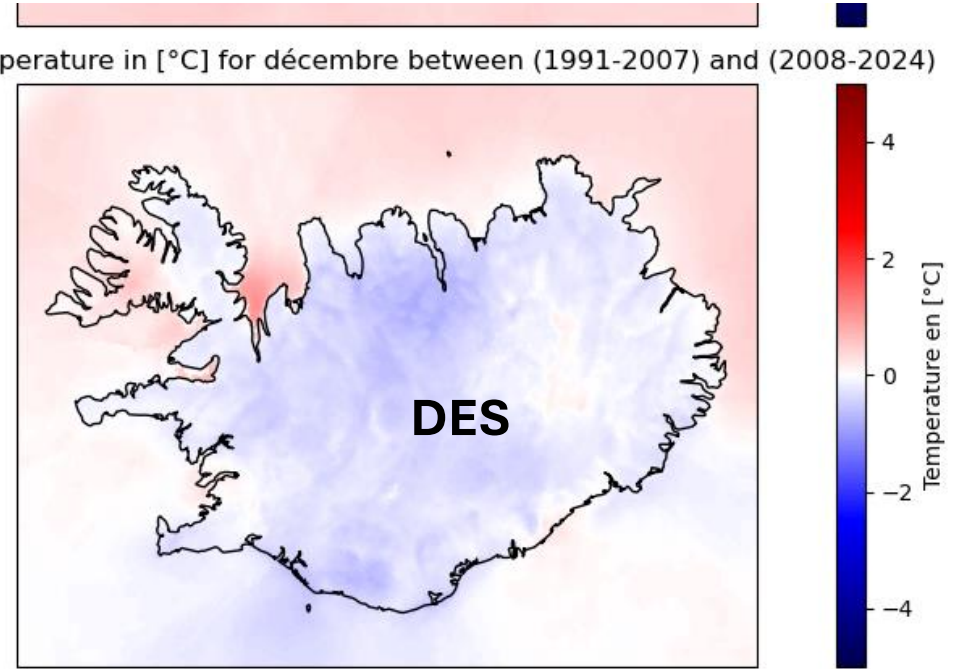
Gap of temperature in [°C] for novembre between (1991-2007) and (2008-2024)



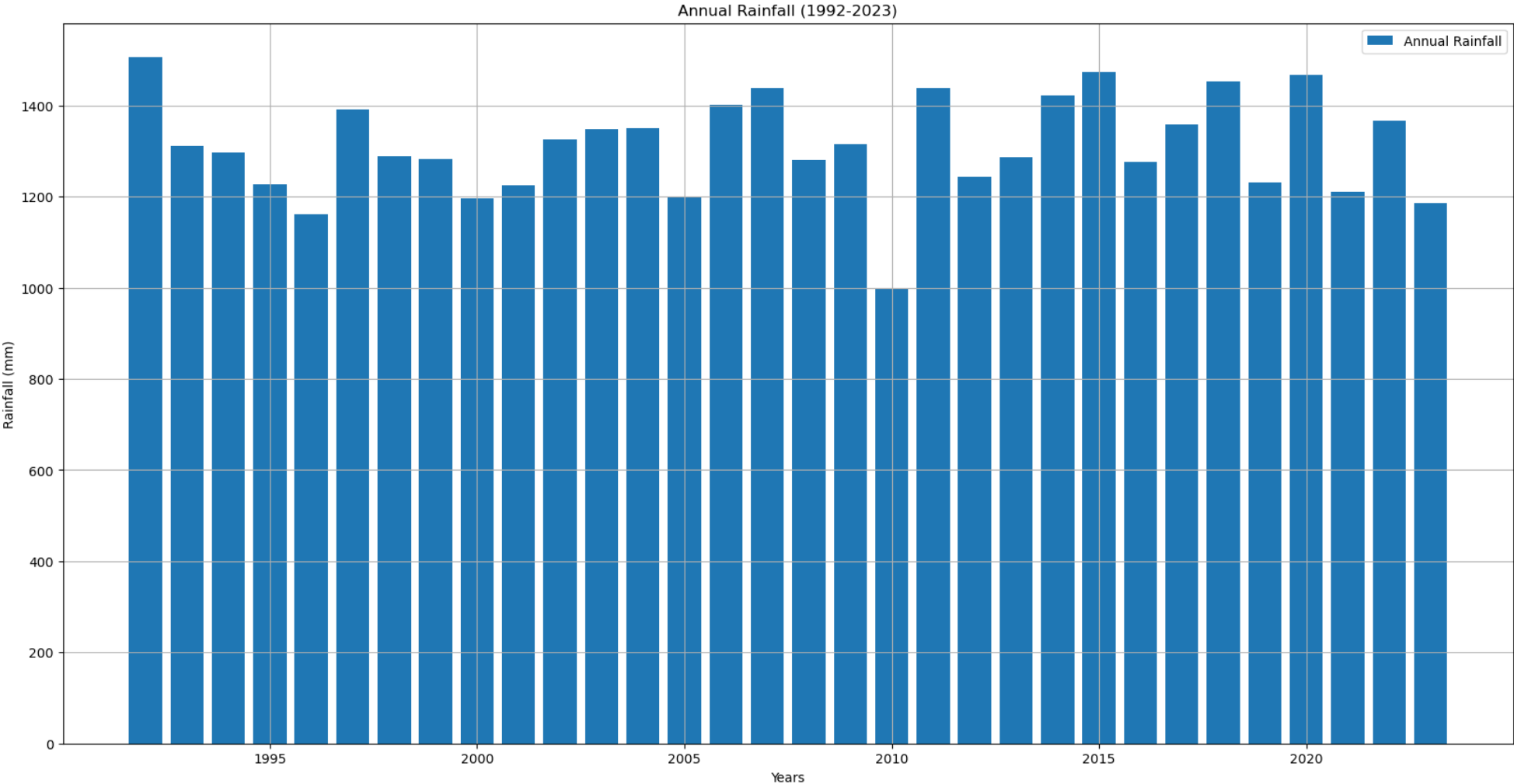
Gap of temperature in [°C] for décembre between (1991-2007) and (2008-2024)



Gap of temperature in [°C] for décembre between (1991-2007) and (2008-2024)



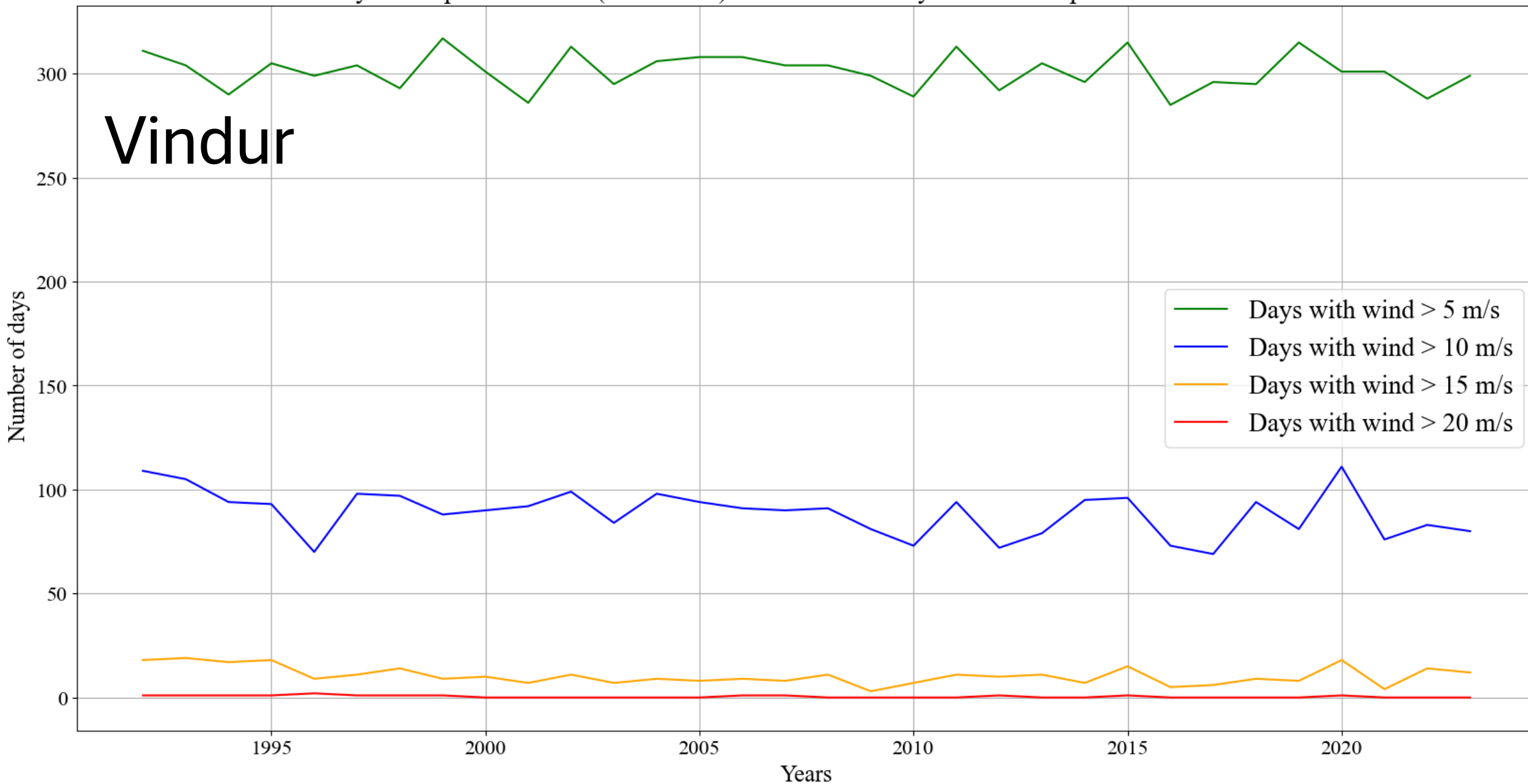
# Ársúrkoama



# Fjöldi daga/ári

Daily wind speed at 12PM (1992-2023) and number of days with wind speed above thresholds

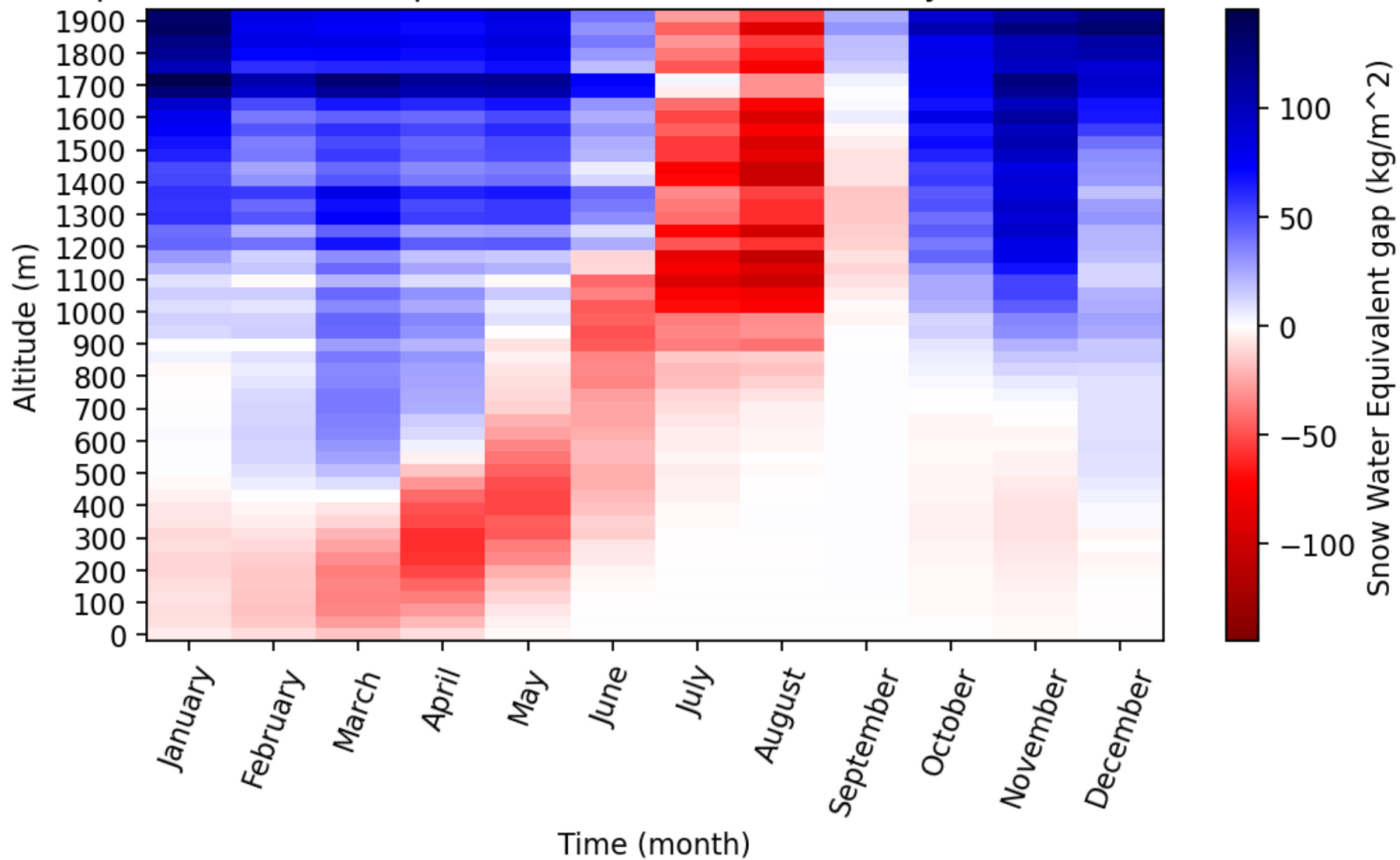
# Vindur



# Nokkur helstu atriði um veðurfar sl. 3 áratugi

- Meðalofthiti á Íslandi hefur hækkað um tæpa gráðu 1992-2023
- Febrúar hefur hitnað mikið, en desember kólnað. Það tengist breytileika í tíðni vindátta
- Veturinn er næst því að vera flatbotna á lægsta láglandi
- Leitni í úrkomu og vindi virðist engin
- Snjór ofan um 500 m eykst lítillega að vetrarlagi, en minnkar þar fyrir neðan
- Það er vandamál í NV-lands í CARRA

Gap of snow water equivalent from 1992 to 2021 by altitude in Iceland



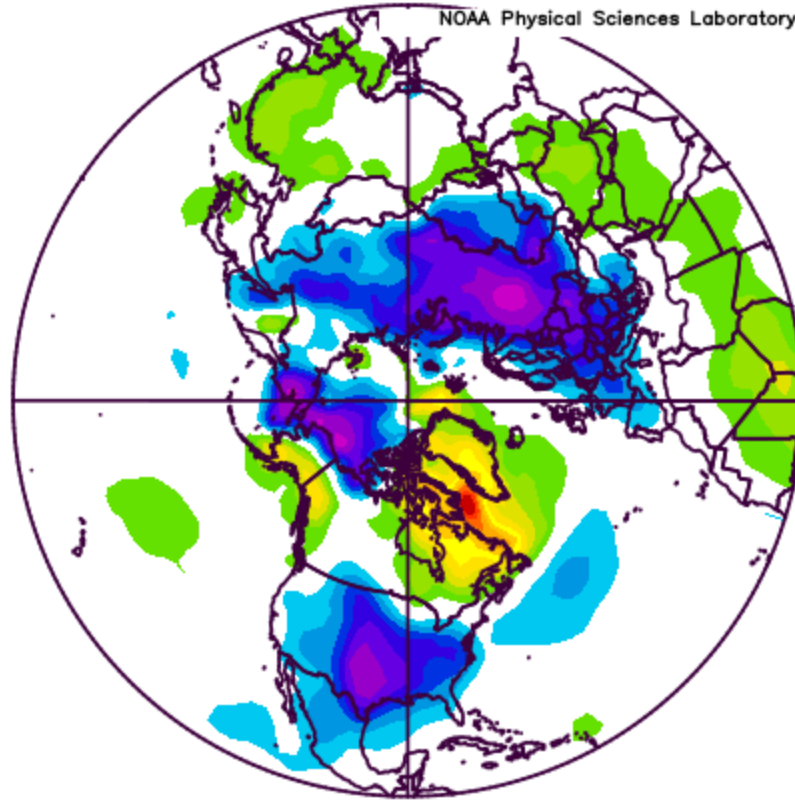






NCEP/NCAR Reanalysis  
Surface air (C) Composite Anomaly 1991–2020 climo

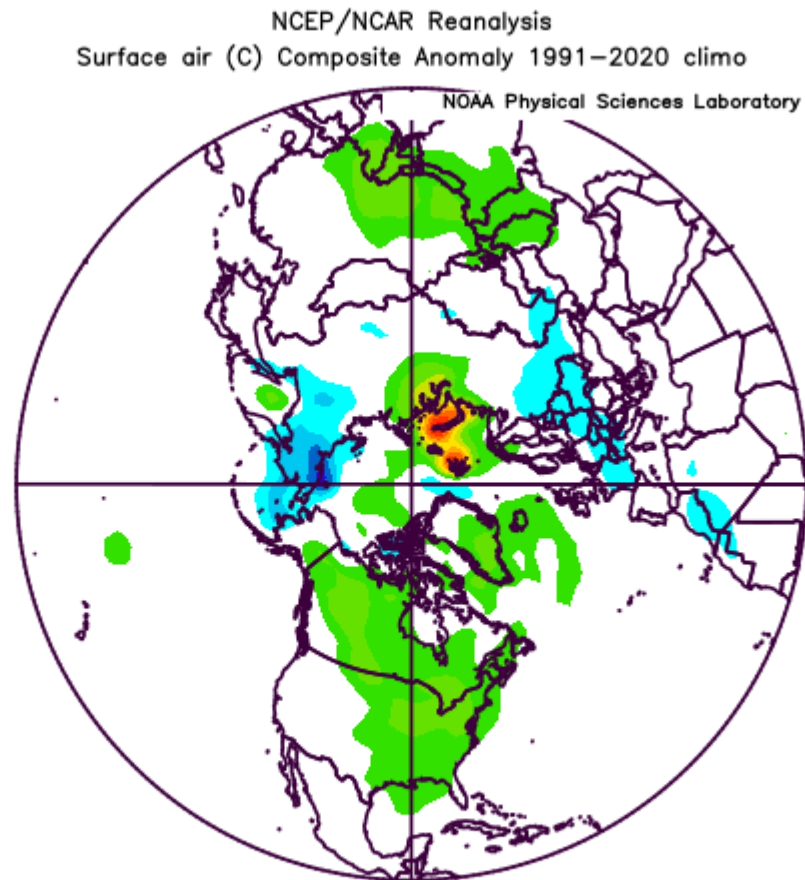
NOAA Physical Sciences Laboratory



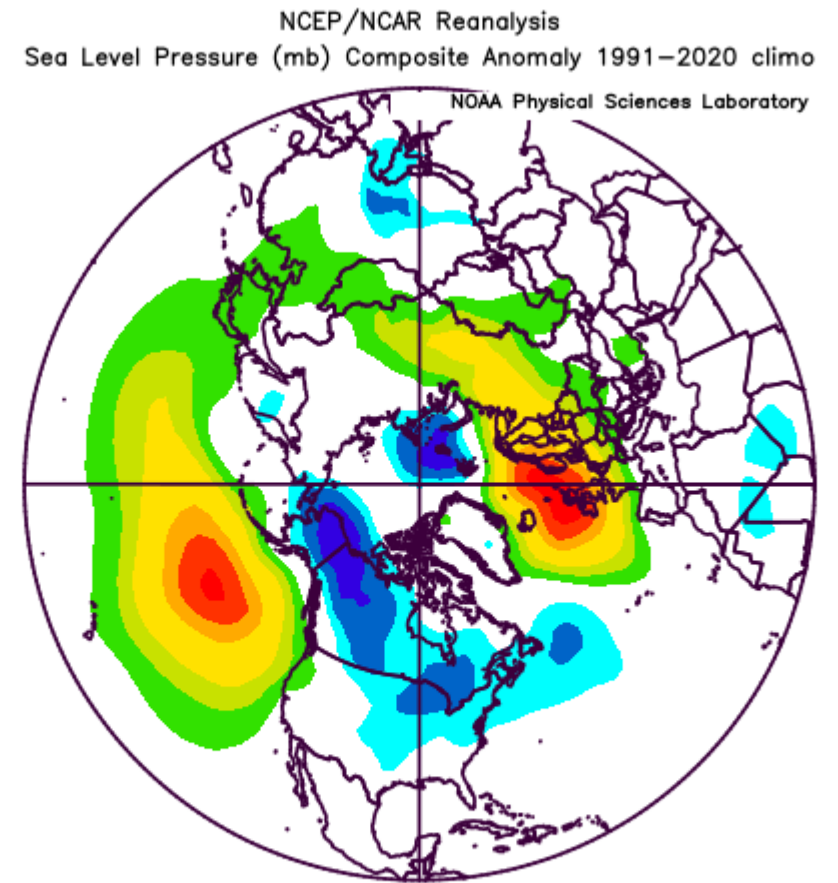
Feb 2003,2004,2010,2012,2021

Febrúar

# Hlýr febrúar

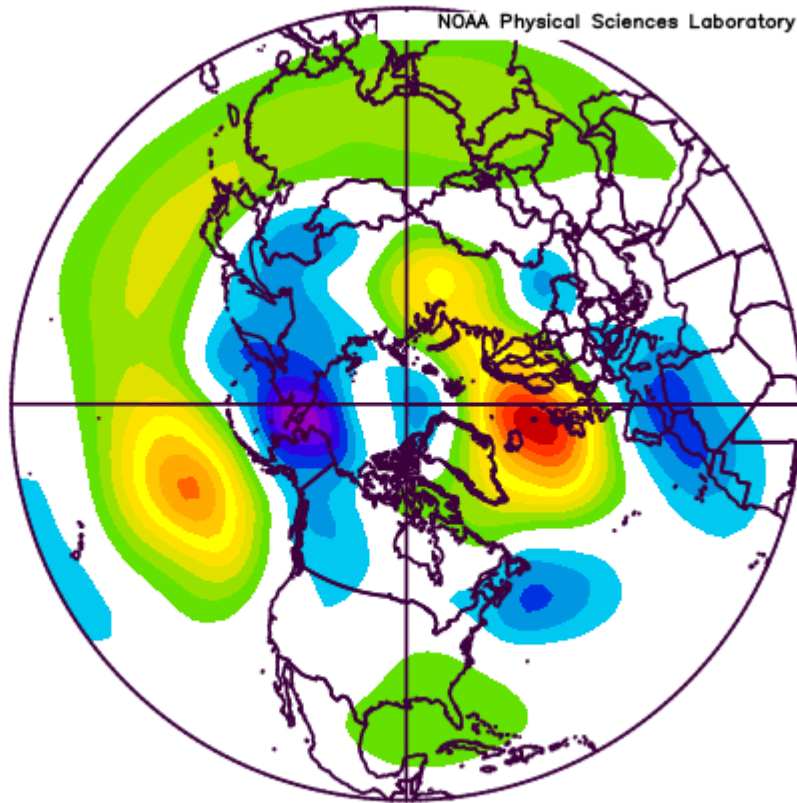


Feb 2006,2012,2013,2017,2023



Feb 2006,2012,2013,2017,2023

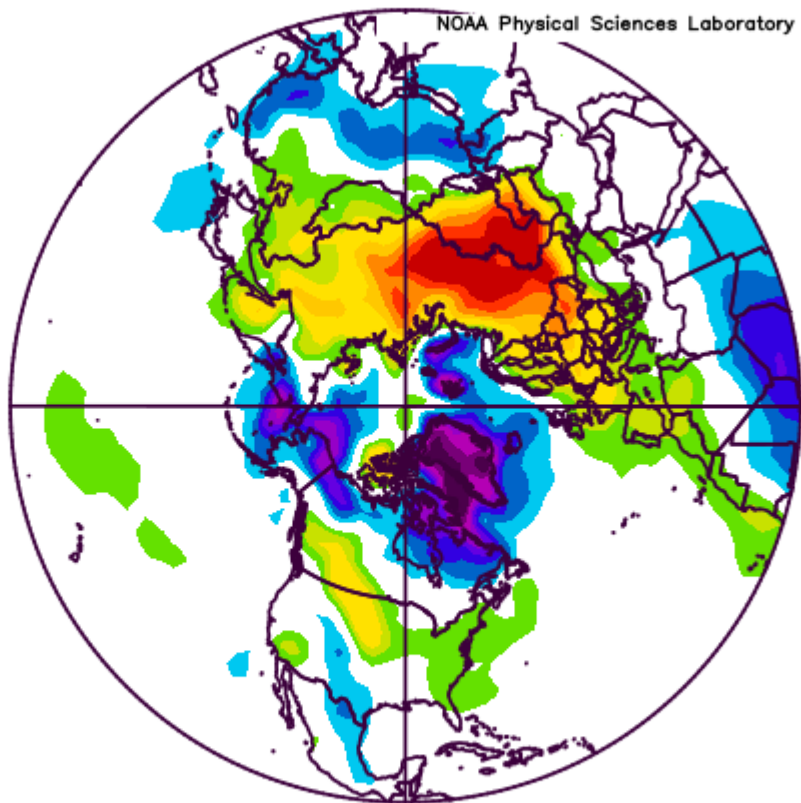
NCEP/NCAR Reanalysis  
500mb Geopotential Height (m) Composite Anomaly 1991–2020 climo  
NOAA Physical Sciences Laboratory



Feb 2006,2012,2013,2017,2023

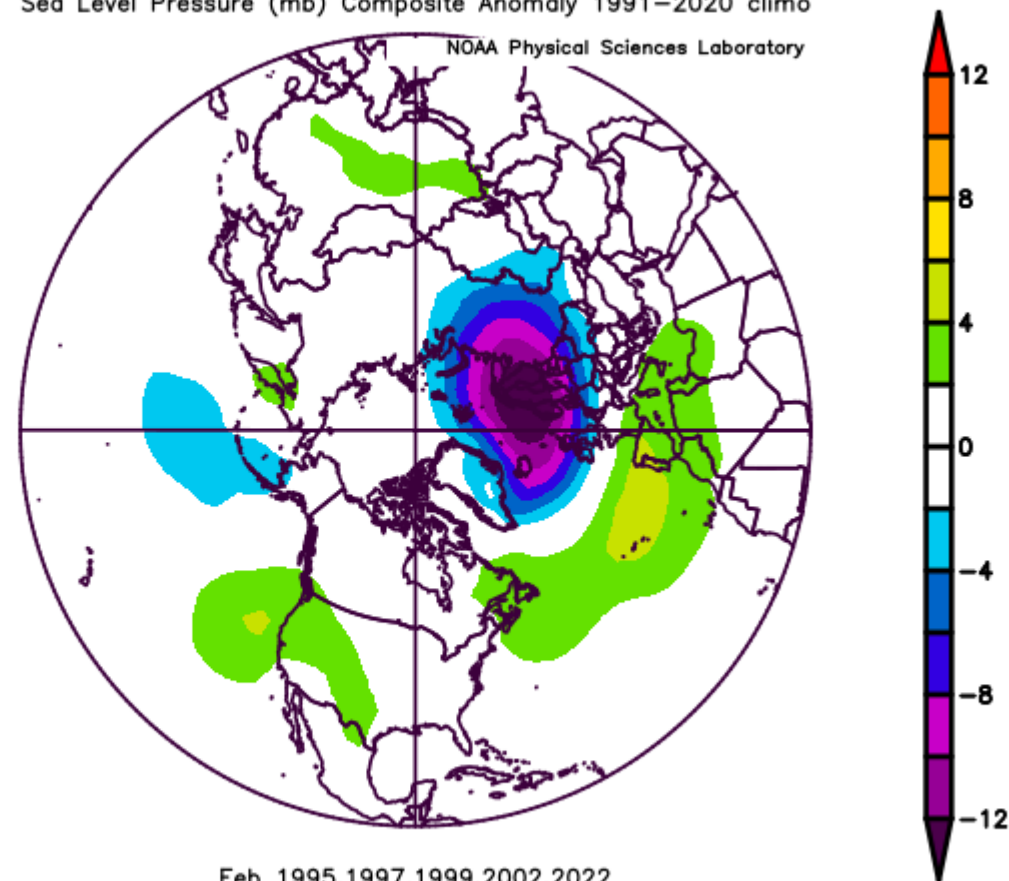
# Kaldur febrúar

NCEP/NCAR Reanalysis  
Surface air (C) Composite Anomaly 1991–2020 climo  
NOAA Physical Sciences Laboratory



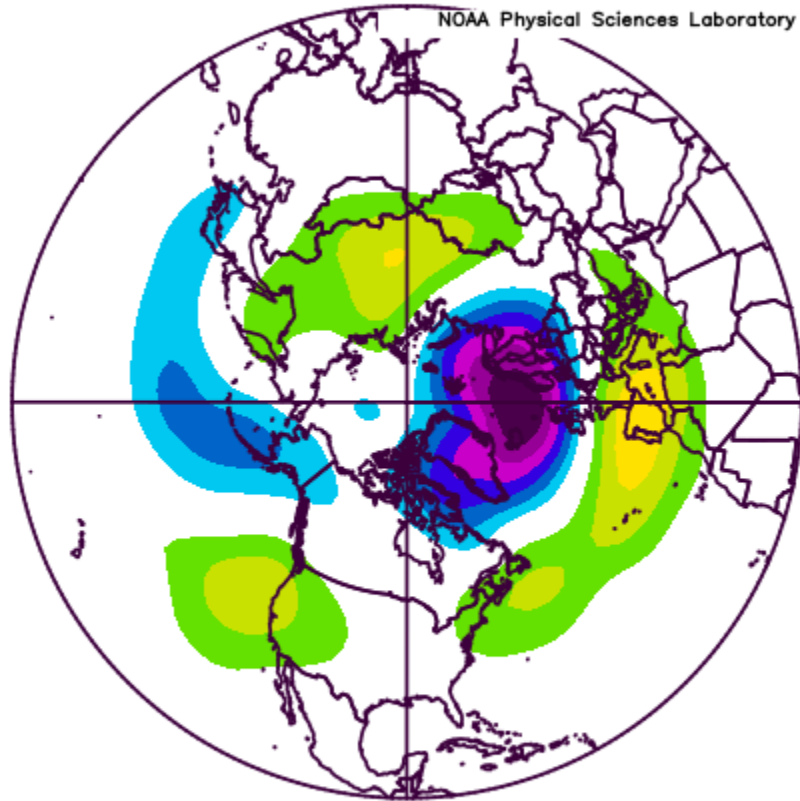
Feb 1995,1997,1999,2002,2022

NCEP/NCAR Reanalysis  
Sea Level Pressure (mb) Composite Anomaly 1991–2020 climo  
NOAA Physical Sciences Laboratory



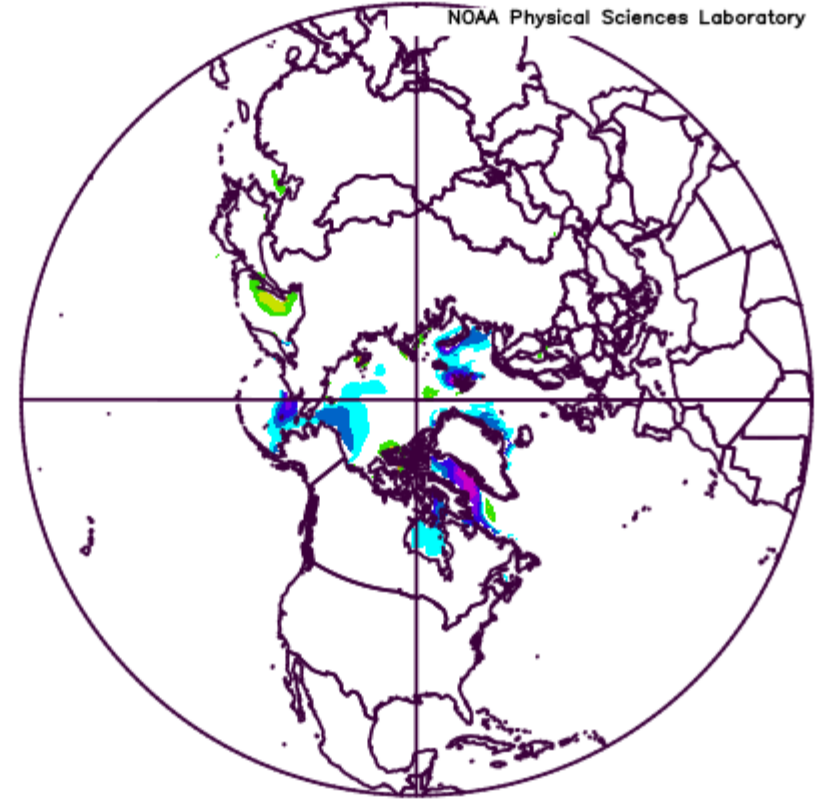
Feb 1995,1997,1999,2002,2022

NCEP/NCAR Reanalysis  
500mb Geopotential Height (m) Composite Anomaly 1991–2020 climo



Feb 1995,1997,1999,2002,2022

NCEP/NCAR Reanalysis  
Surface Skin Temperature(SST) (K) Composite Anomaly 1991–2020 climo

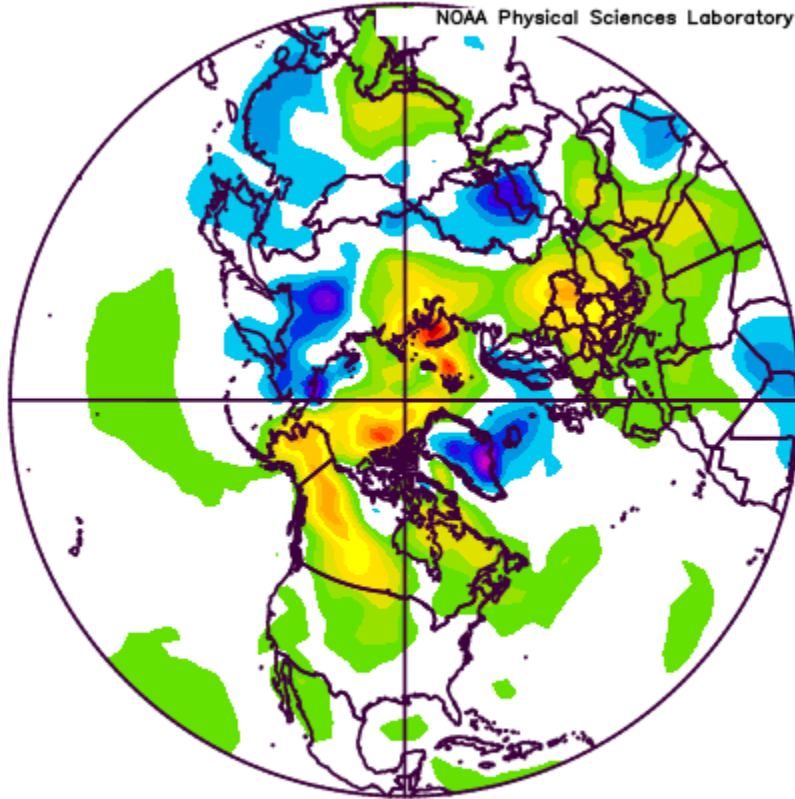


Feb 1995,1997,1999,2002,2022

desember

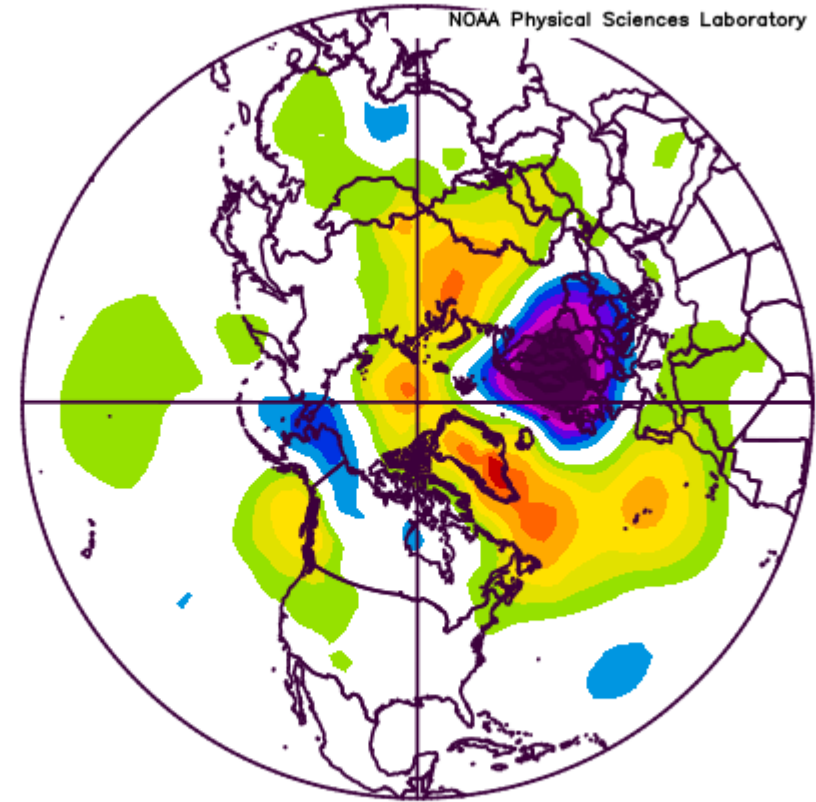
# Kaldur desember

NCEP/NCAR Reanalysis  
Surface air (C) Composite Anomaly 1991–2020 climo  
NOAA Physical Sciences Laboratory

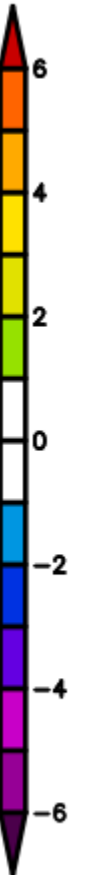


Dec 1993,2011,2017,2022,2023

NCEP/NCAR Reanalysis  
Sea Level Pressure (mb) Composite Anomaly 1991–2020 climo  
NOAA Physical Sciences Laboratory



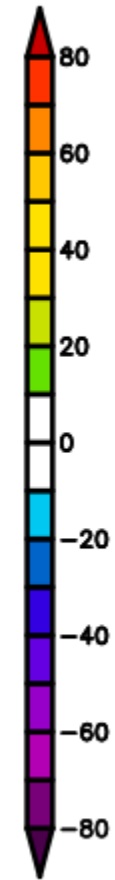
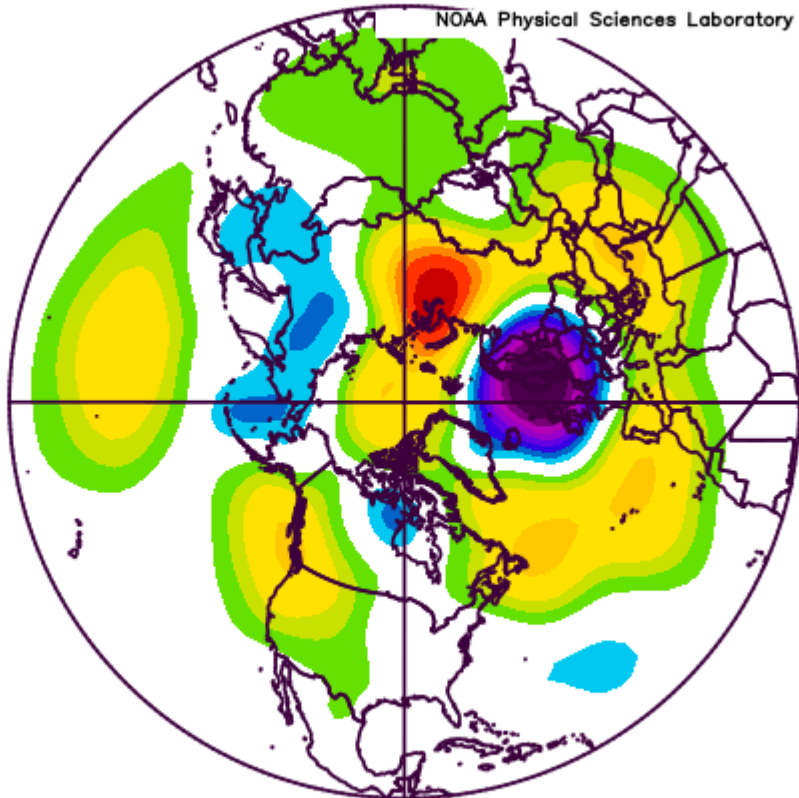
Dec 1993,2011,2017,2022,2023





NCEP/NCAR Reanalysis  
500mb Geopotential Height (m) Composite Anomaly 1991–2020 climo

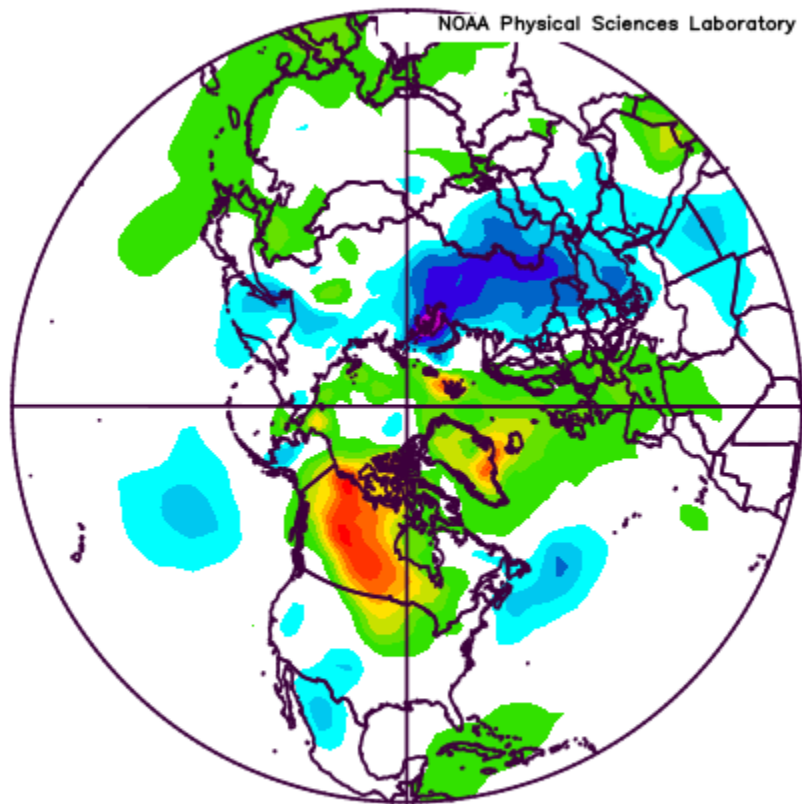
NOAA Physical Sciences Laboratory



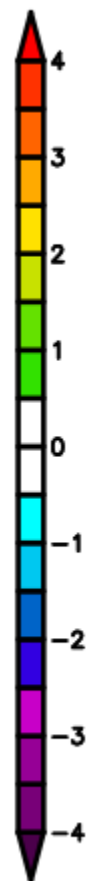
Dec 1993,2011,2017,2022,2023

# Hlýr desember

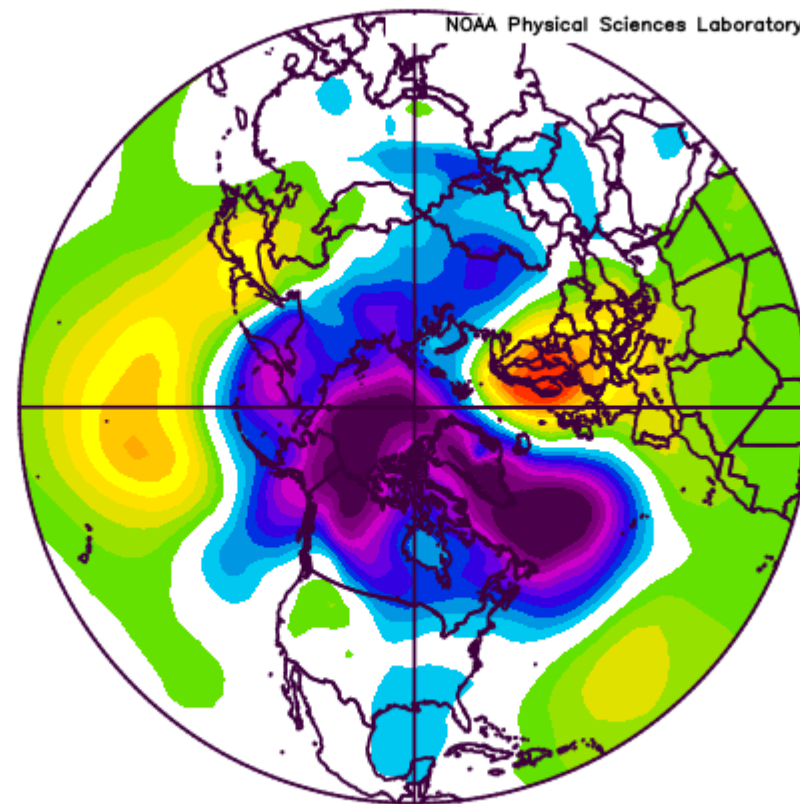
NCEP/NCAR Reanalysis  
Surface air (C) Composite Anomaly 1991–2020 climo  
NOAA Physical Sciences Laboratory



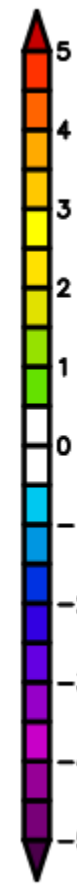
Dec 1997,2002,2006,2016,2018



NCEP/NCAR Reanalysis  
Sea Level Pressure (mb) Composite Anomaly 1991–2020 climo  
NOAA Physical Sciences Laboratory



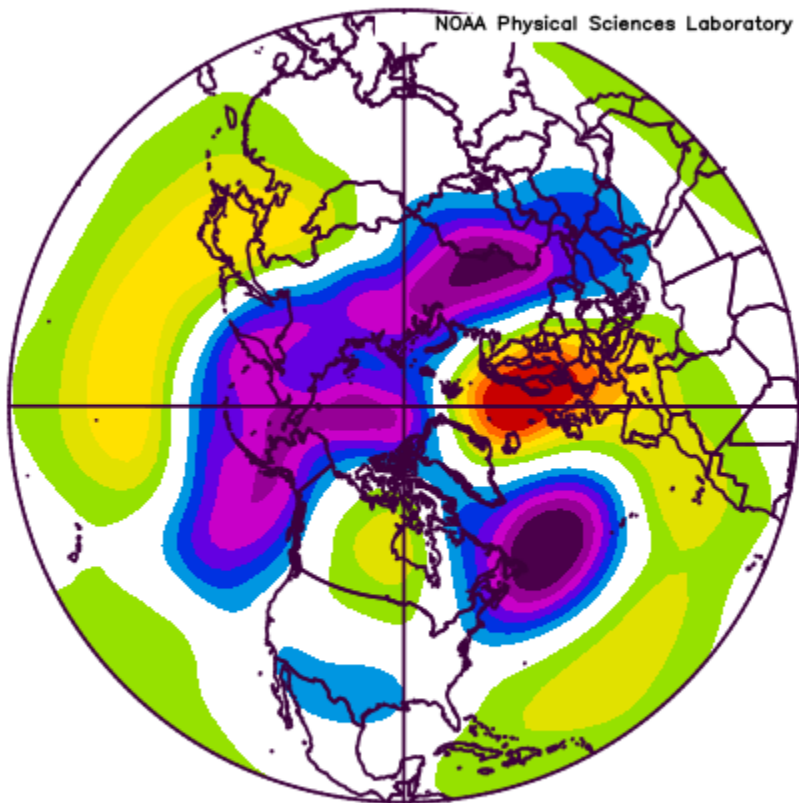
Dec 1997,2002,2006,2016,2018



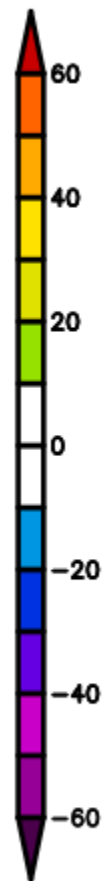
# Hlýr desember

NCEP/NCAR Reanalysis  
500mb Geopotential Height (m) Composite Anomaly 1991–2020 climo

NOAA Physical Sciences Laboratory

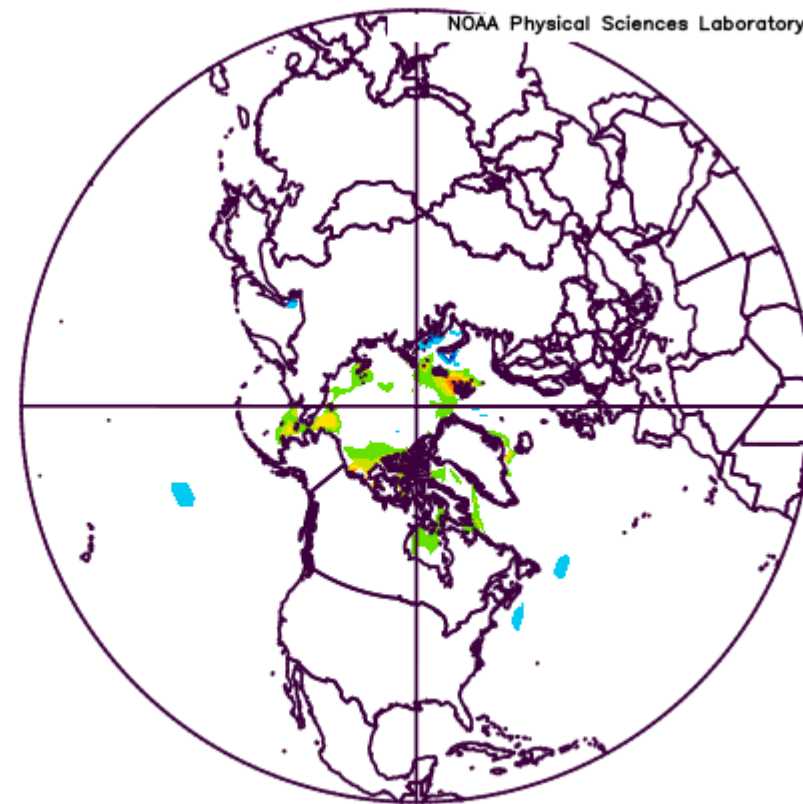


Dec 1997,2002,2006,2016,2018

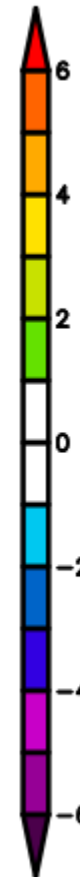


NCEP/NCAR Reanalysis  
Surface Skin Temperature(SST) (K) Composite Anomaly 1991–2020 climo

NOAA Physical Sciences Laboratory



Dec 1997,2002,2006,2016,2018

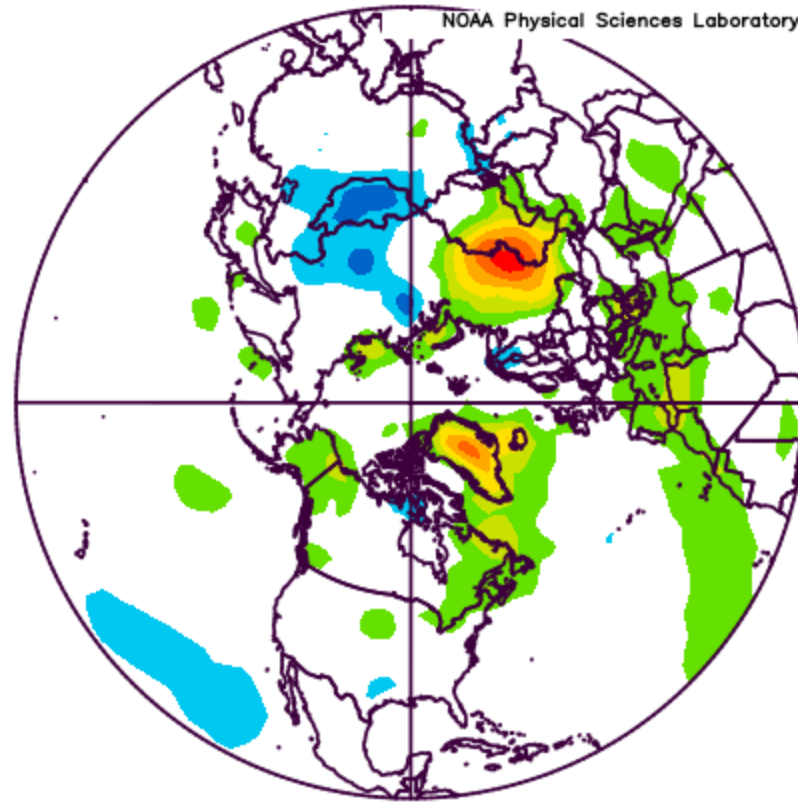




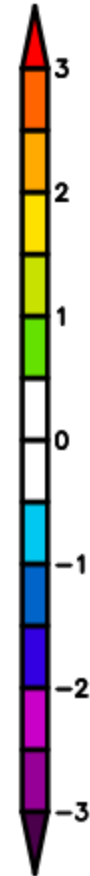
# ágúst

NCEP/NCAR Reanalysis  
Surface air (C) Composite Anomaly 1991–2020 climo

NOAA Physical Sciences Laboratory

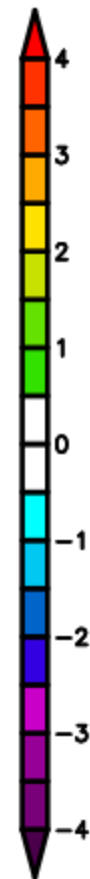
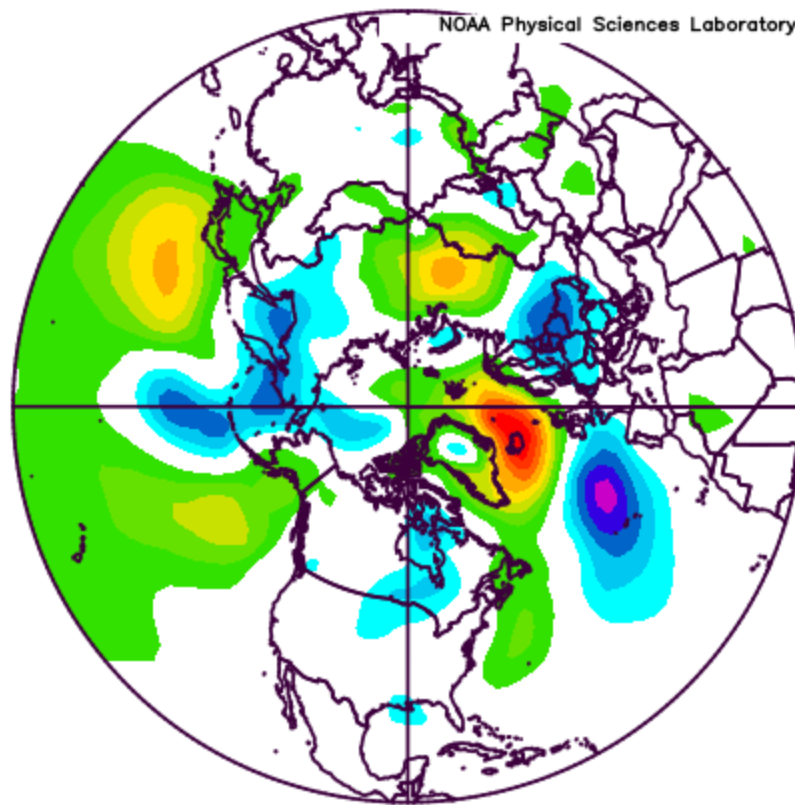


Aug 2003,2004,2010,2012,2021



NCEP/NCAR Reanalysis  
Sea Level Pressure (mb) Composite Anomaly 1991–2020 climo

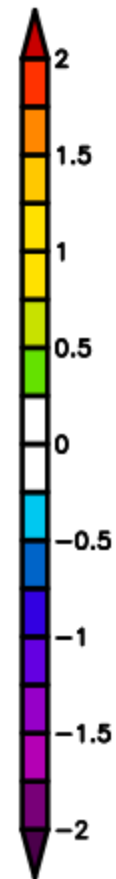
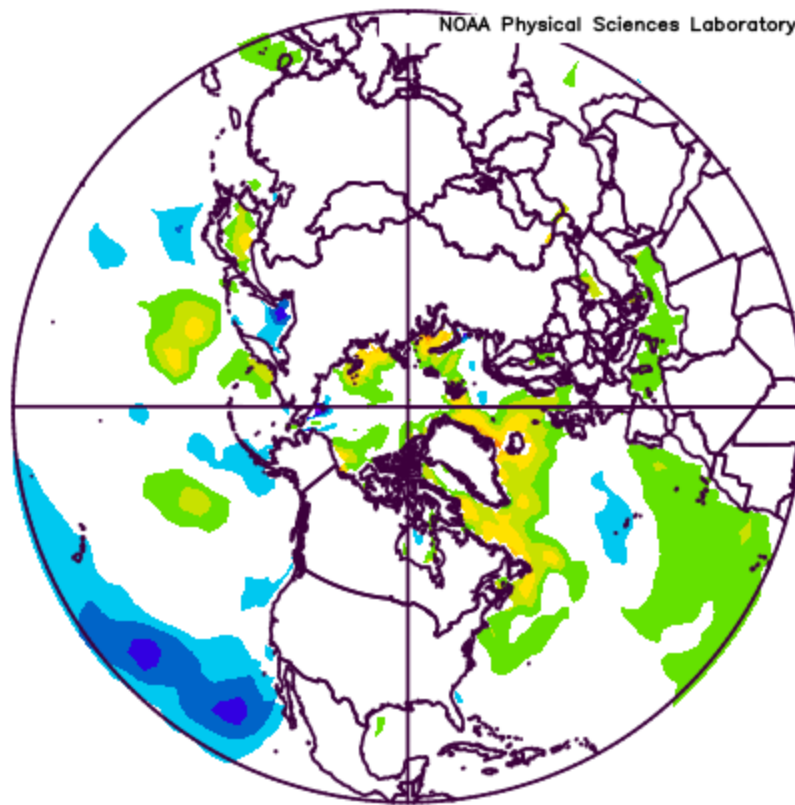
NOAA Physical Sciences Laboratory



Aug 2003,2004,2010,2012,2021

NCEP/NCAR Reanalysis  
Surface Skin Temperature(SST) (K) Composite Anomaly 1991–2020 climo

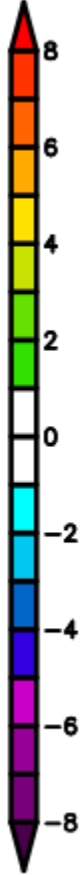
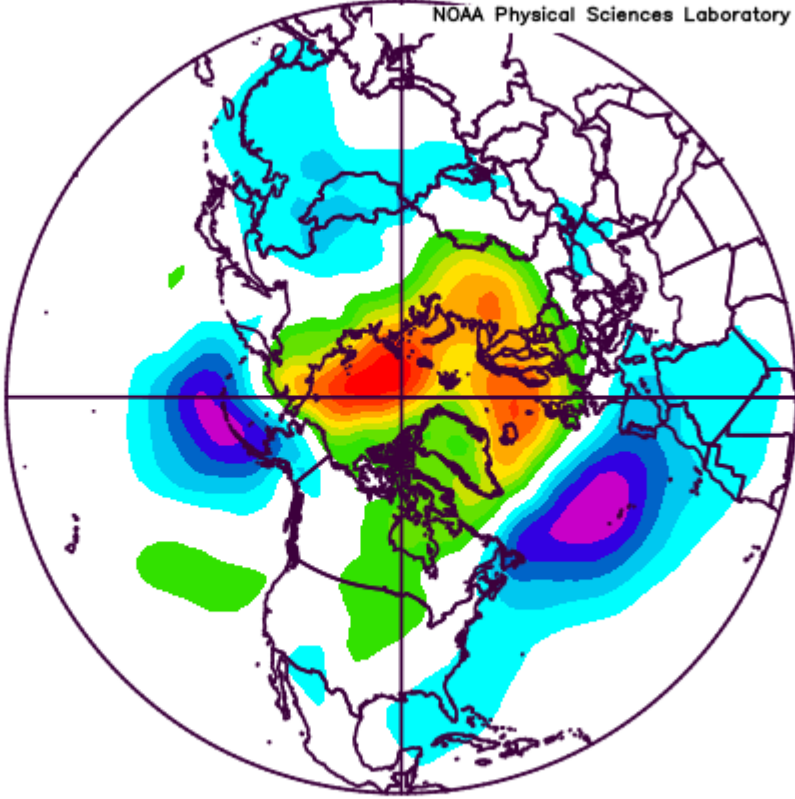
NOAA Physical Sciences Laboratory



Aug 2003,2004,2010,2012,2021

NCEP/NCAR Reanalysis  
Sea Level Pressure (mb) Composite Anomaly 1991–2020 climo

NOAA Physical Sciences Laboratory

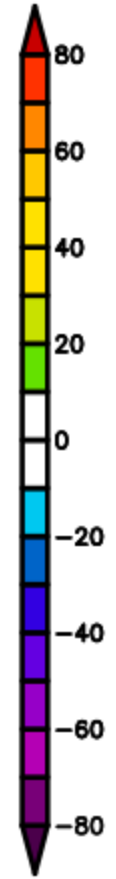
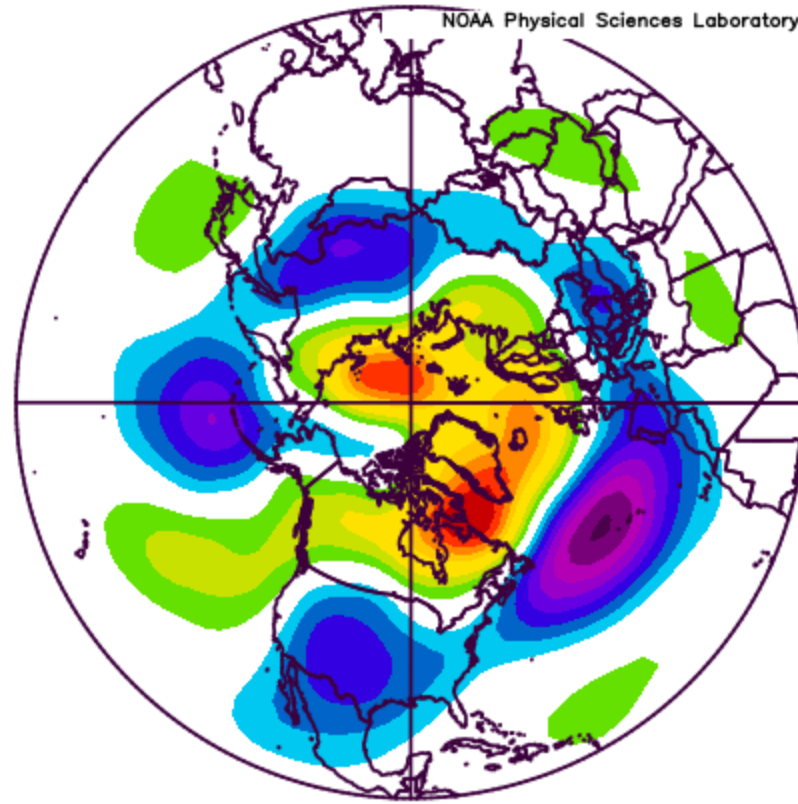


Feb 2003,2004,2010,2012,2021



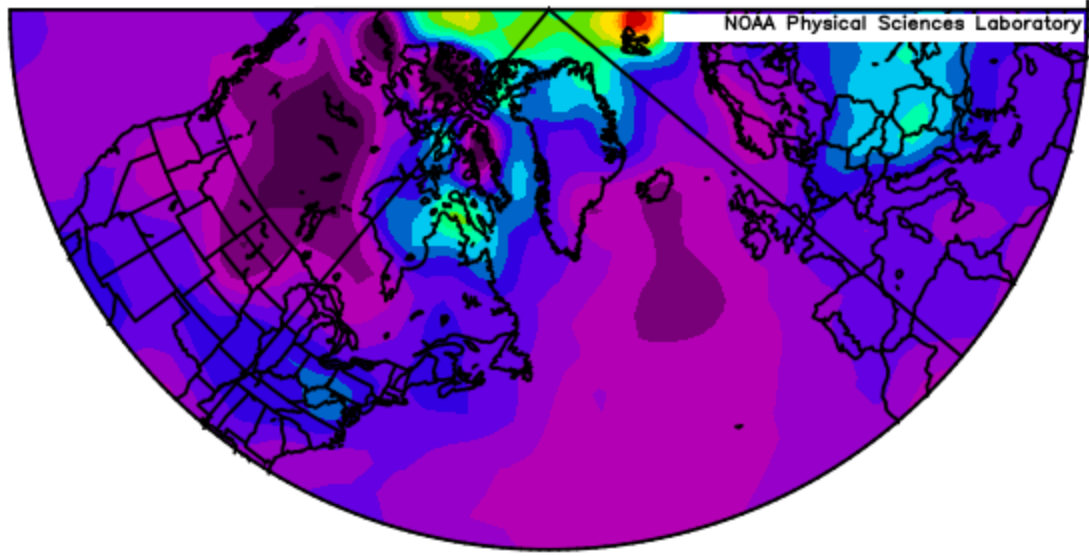
NCEP/NCAR Reanalysis  
500mb Geopotential Height (m) Composite Anomaly 1991–2020 climo

NOAA Physical Sciences Laboratory

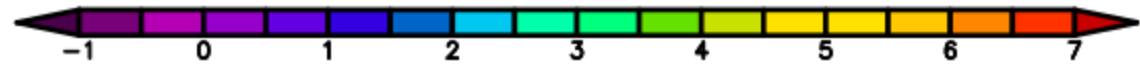


Feb 2003,2004,2010,2012,2021

NCEP/NCAR Reanalysis  
Surface (.995 Sigma) air (C) Composite Mean

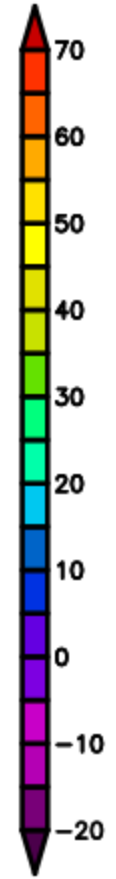
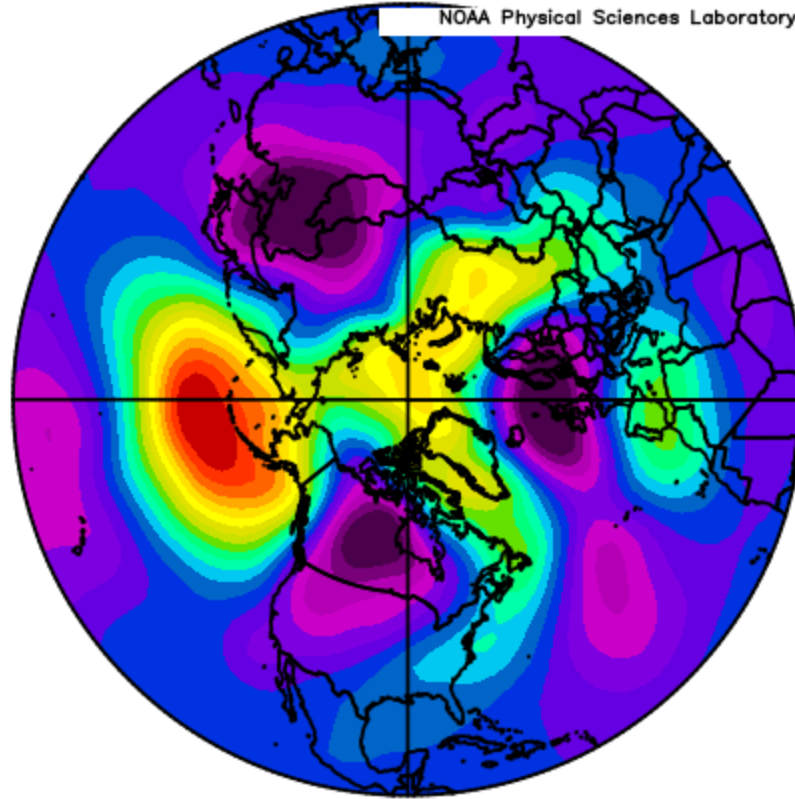


Dec: 2008 to 2023 minus 1992 to 2007



NCEP/NCAR Reanalysis  
500mb Geopotential Height (m) Composite Mean

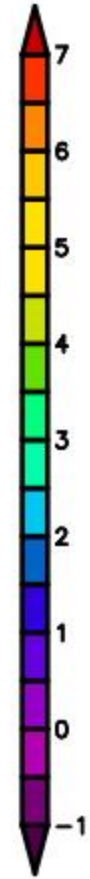
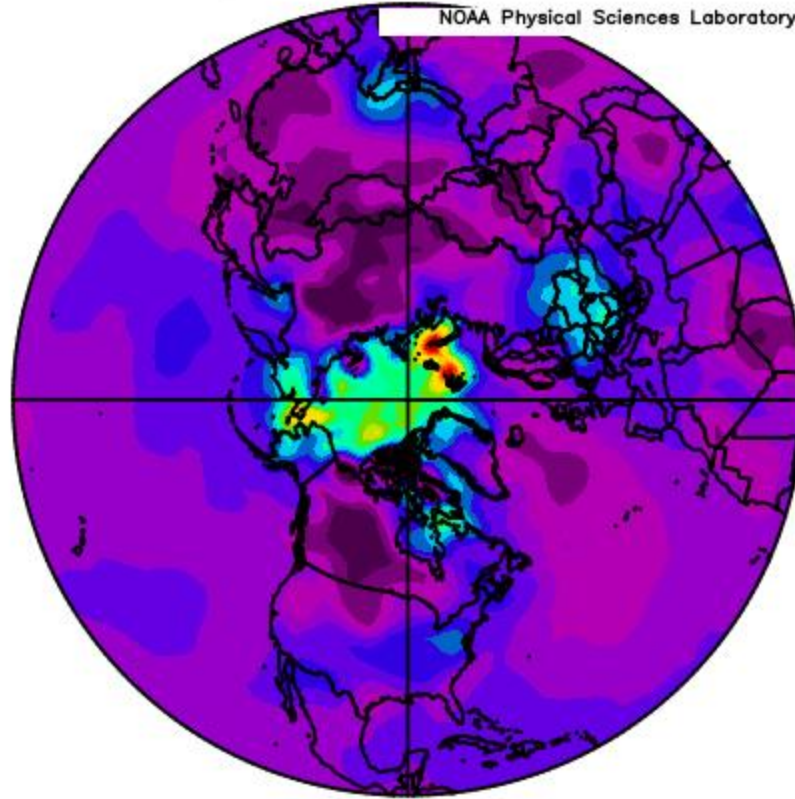
NOAA Physical Sciences Laboratory



Dec: 2008 to 2023 minus 1992 to 2007

NCEP/NCAR Reanalysis  
Surface (.995 Sigma) air (C) Composite Mean

NOAA Physical Sciences Laboratory



Dec: 2008 to 2023 minus 1992 to 2007