

Weather briefing HALO-(AC)³

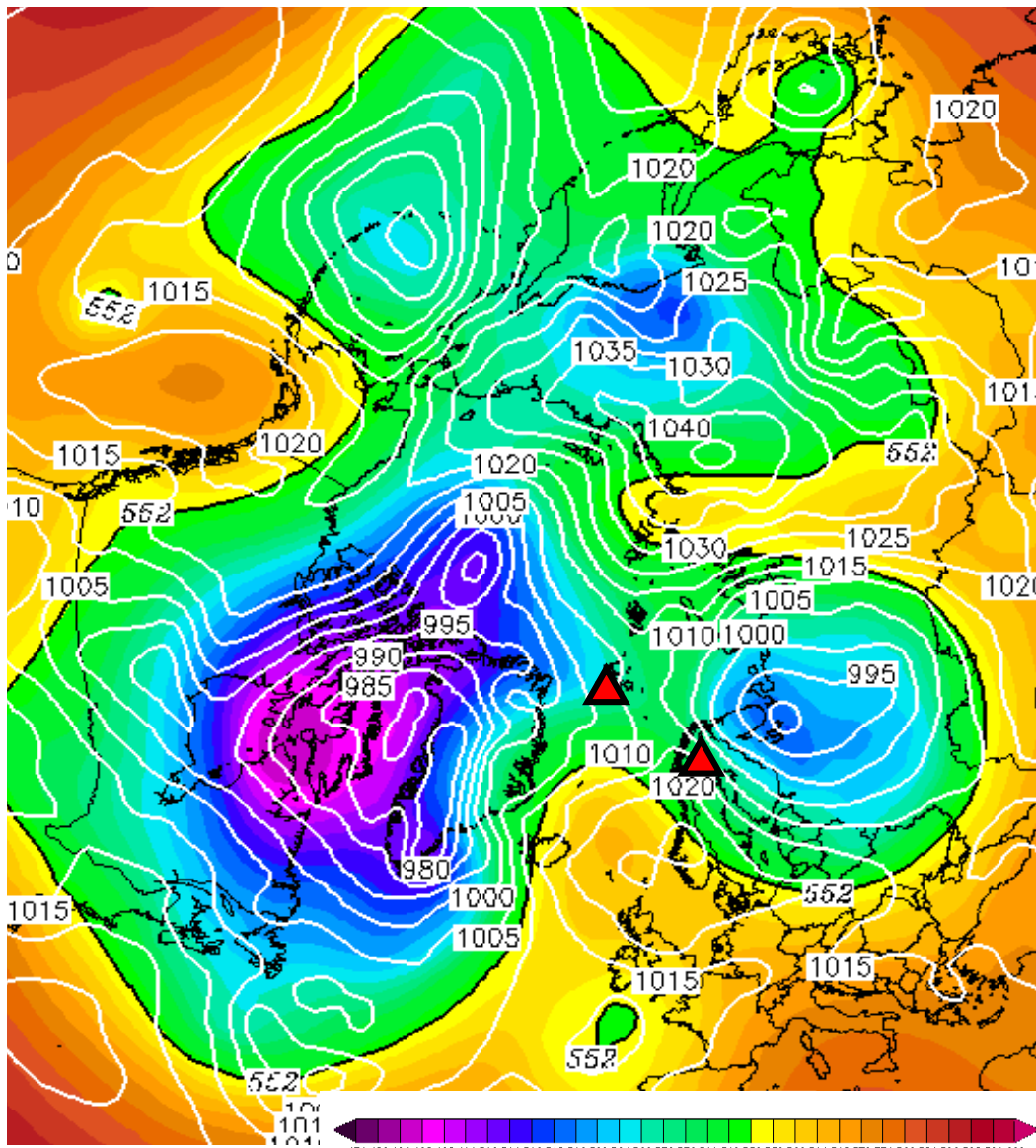
21 March 2021

Warm Air Intrusions 16 - 19 April 2020

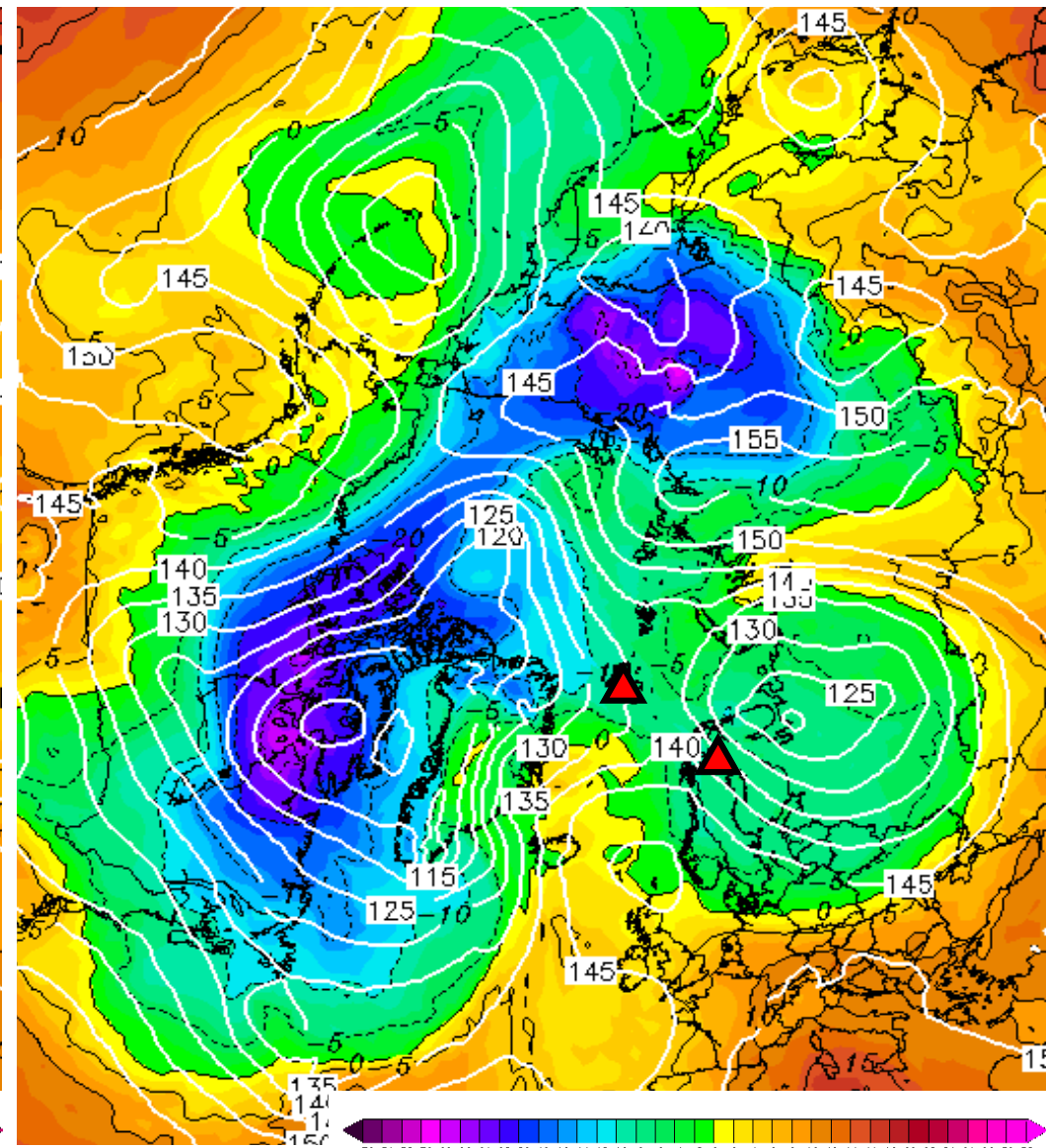
19 April 2020

General large-scale weather (GFS analysis): 18/04/20, 00 UTC

500hPa Geopotential & Surface Pressure

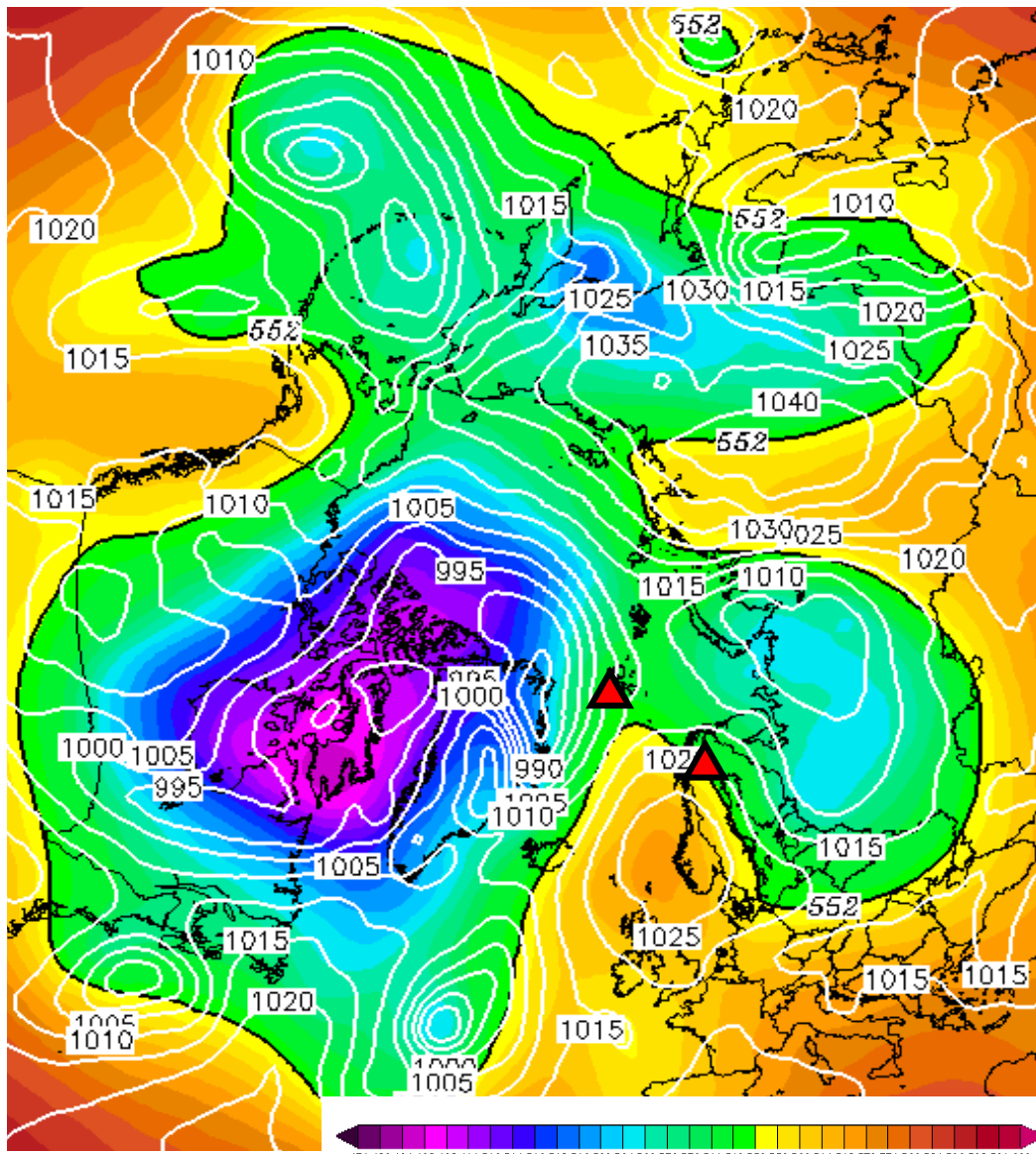


850hPa Geopotential & Temperature

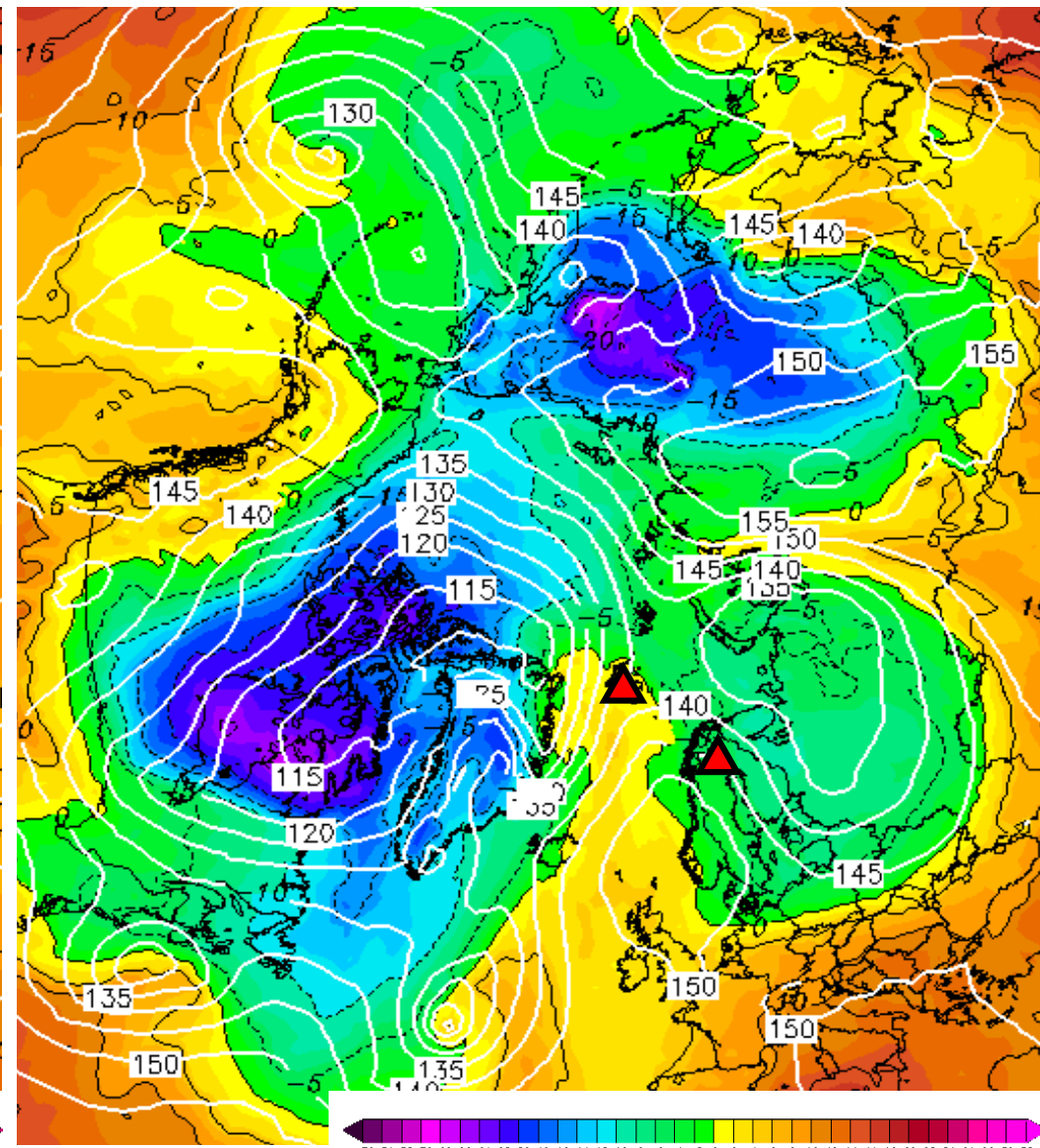


General large-scale weather (GFS analysis): 19/04/20, 00 UTC

500hPa Geopotential & Surface Pressure

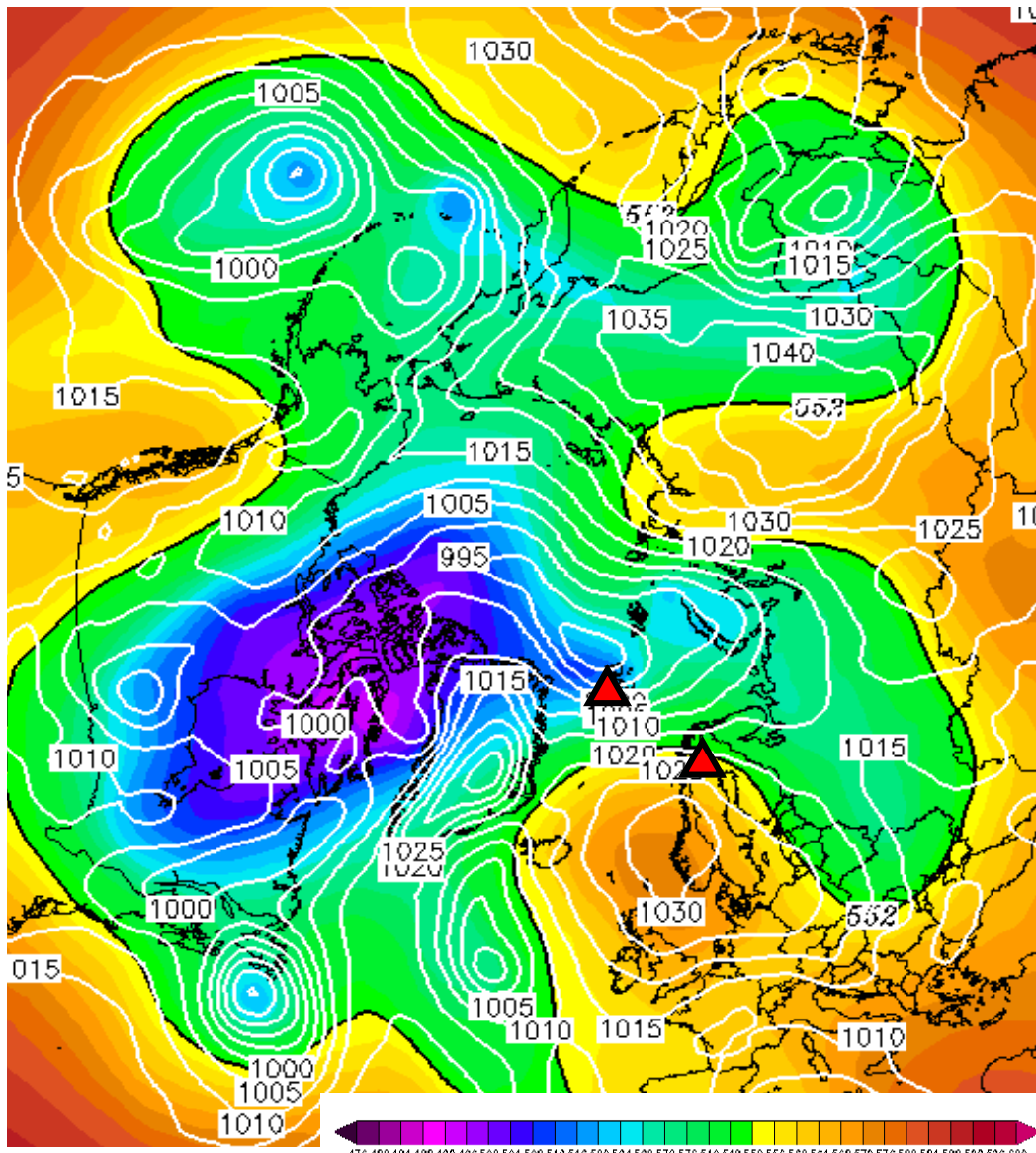


850hPa Geopotential & Temperature

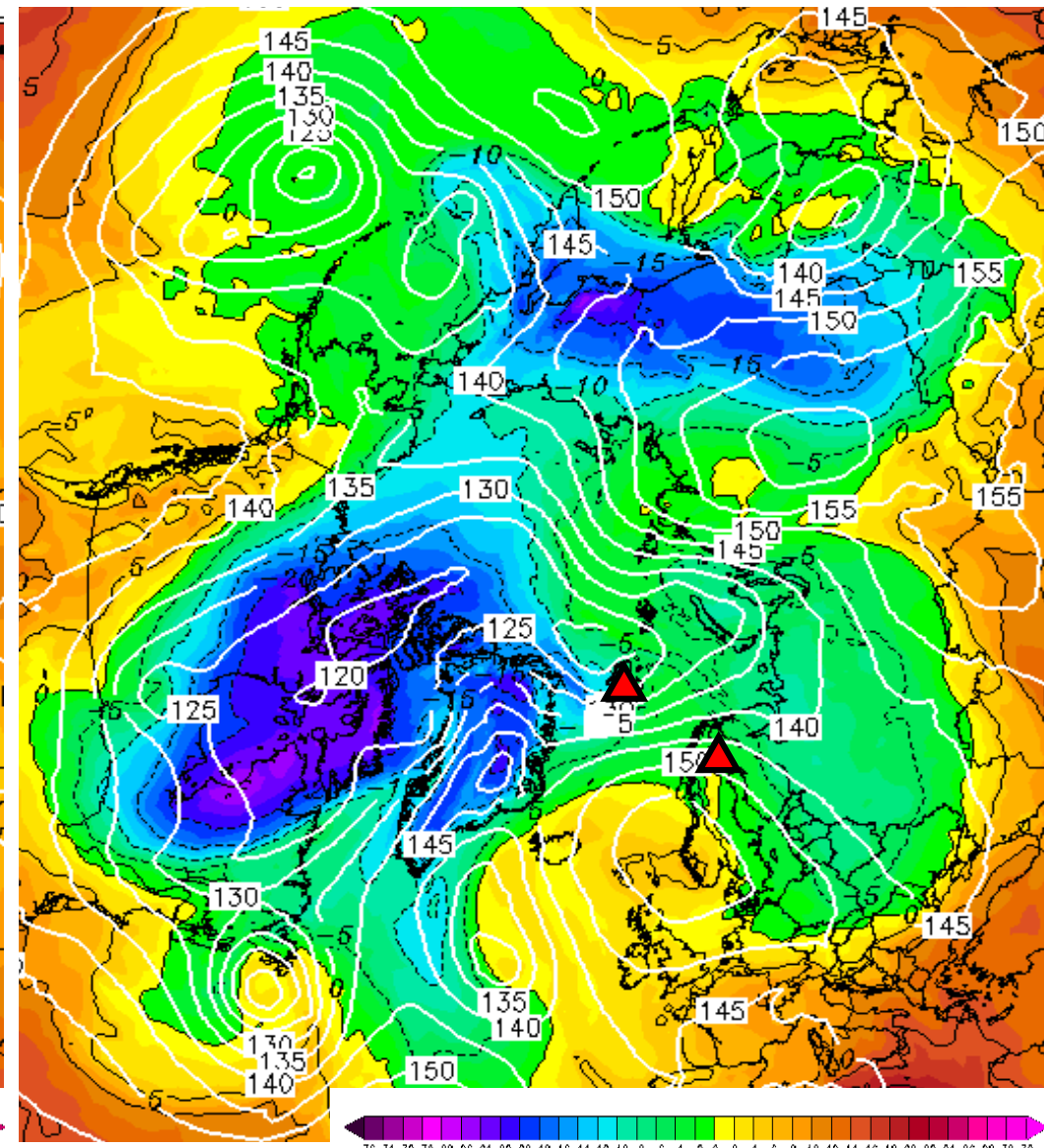


General large-scale weather (GFS analysis): 20/04/20, 00 UTC

500hPa Geopotential & Surface Pressure

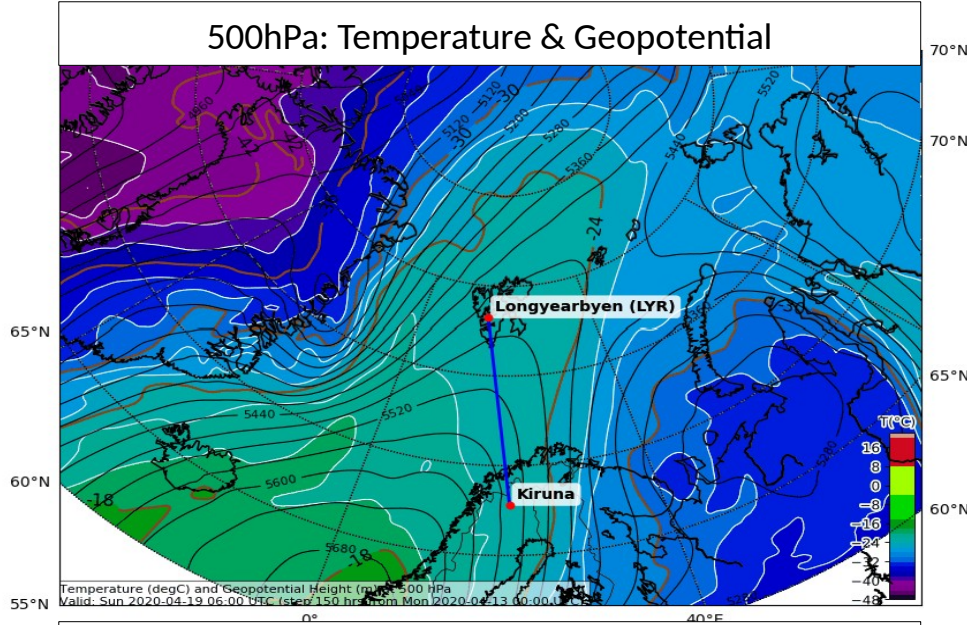


850hPa Geopotential & Temperature

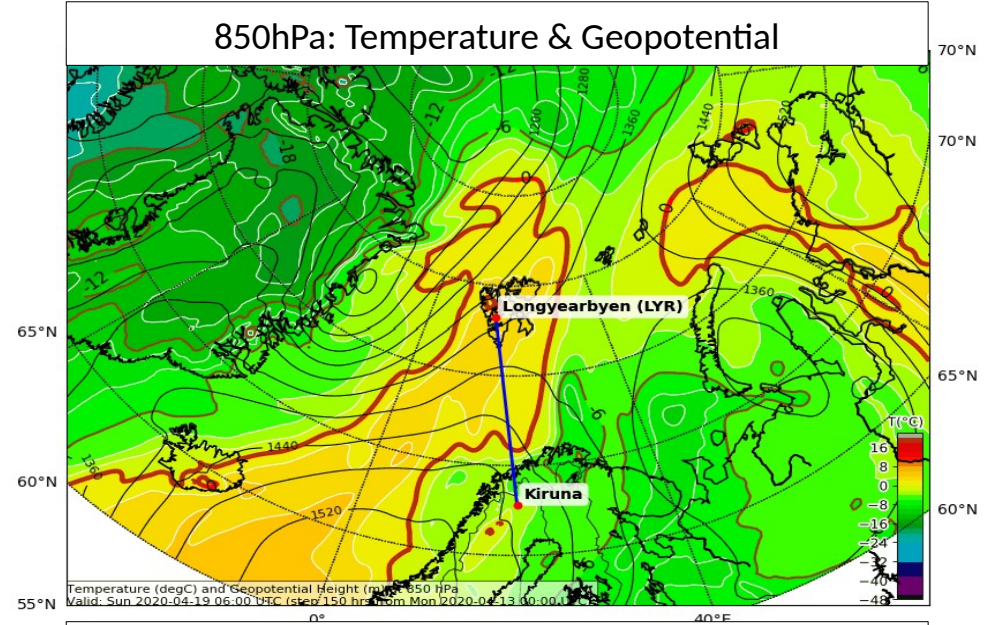


General weather situation (ECMWF): 19/04/20, 06 UTC

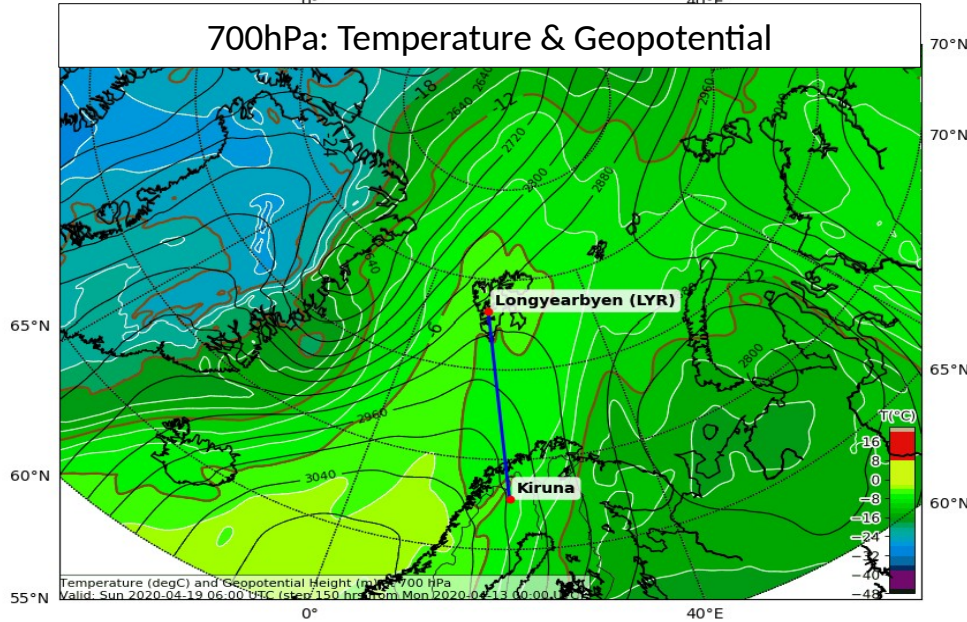
500hPa: Temperature & Geopotential



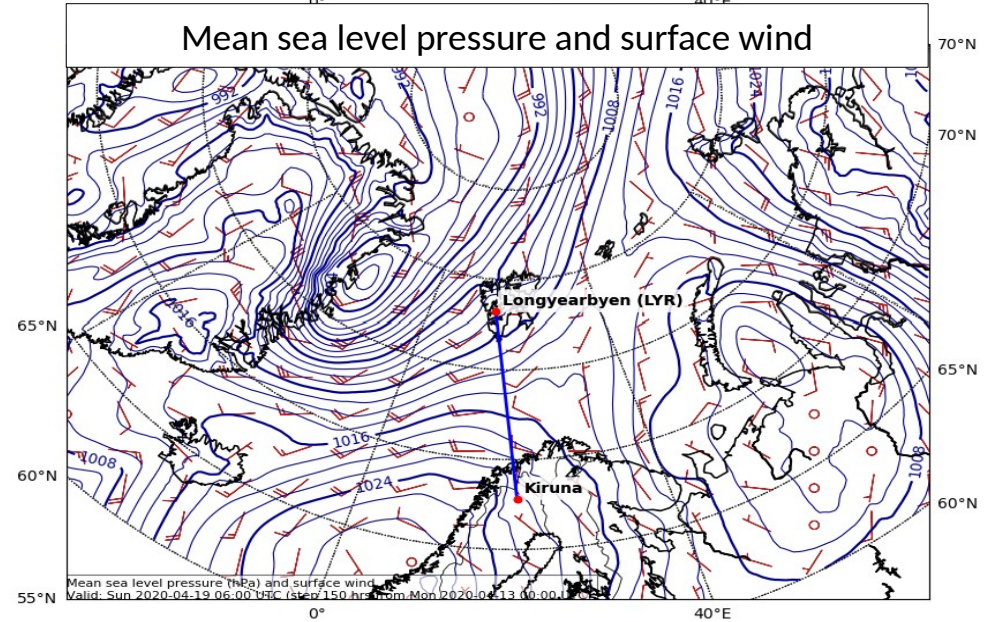
850hPa: Temperature & Geopotential



700hPa: Temperature & Geopotential

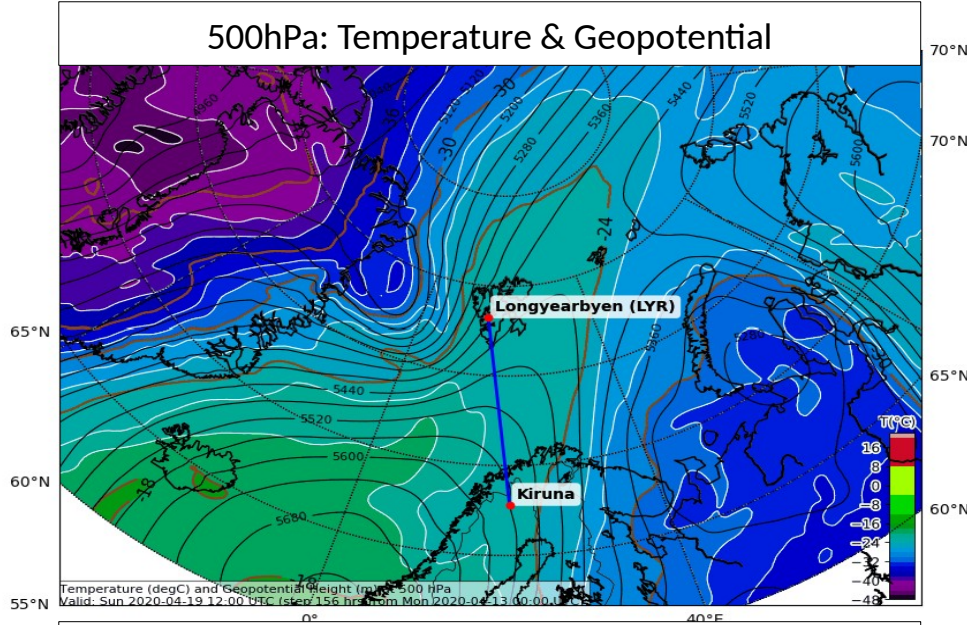


Mean sea level pressure and surface wind

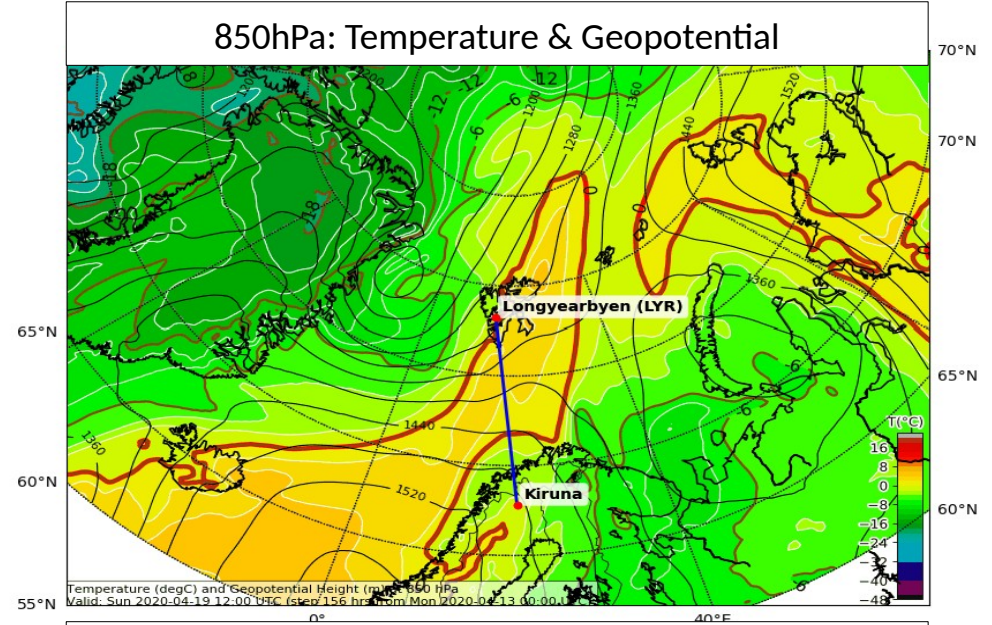


General weather situation (ECMWF): 19/04/20, 12 UTC

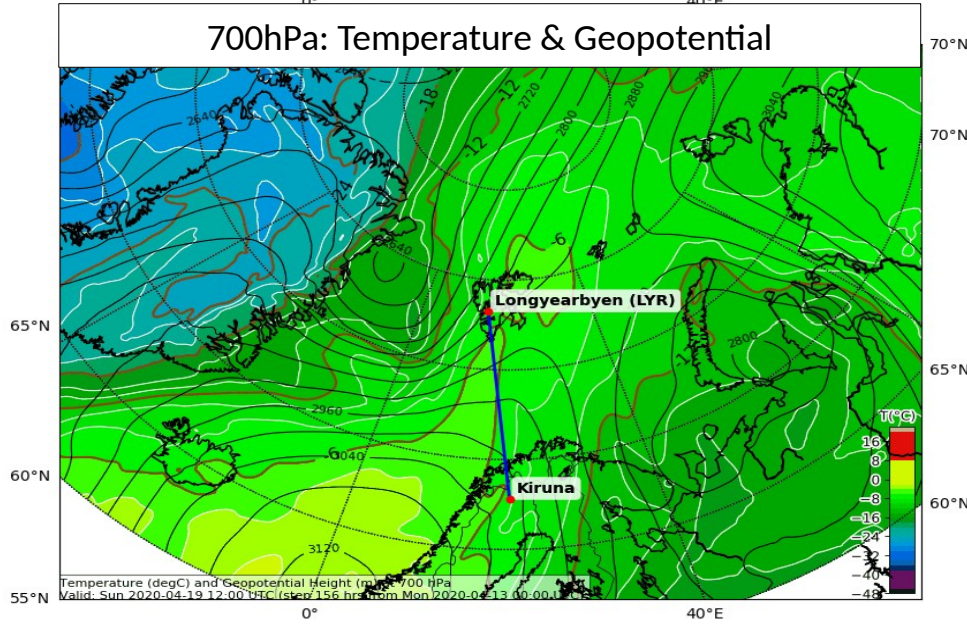
500hPa: Temperature & Geopotential



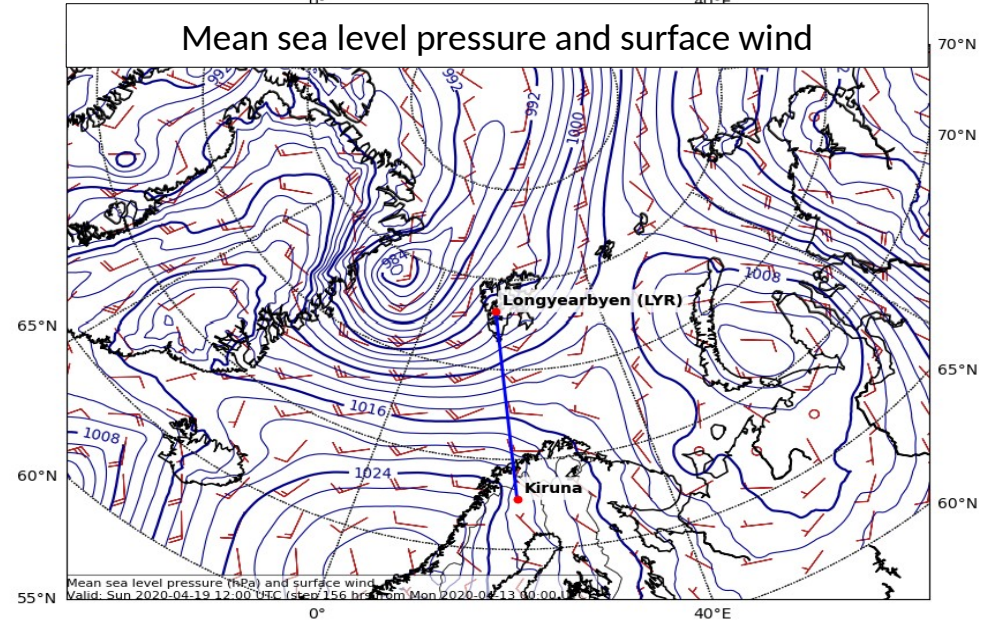
850hPa: Temperature & Geopotential



700hPa: Temperature & Geopotential

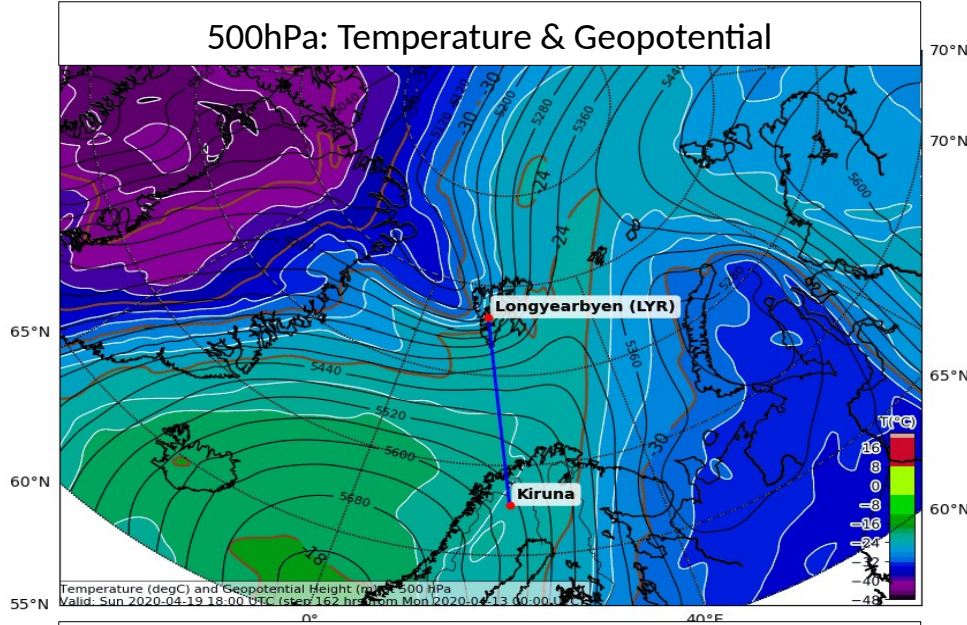


Mean sea level pressure and surface wind

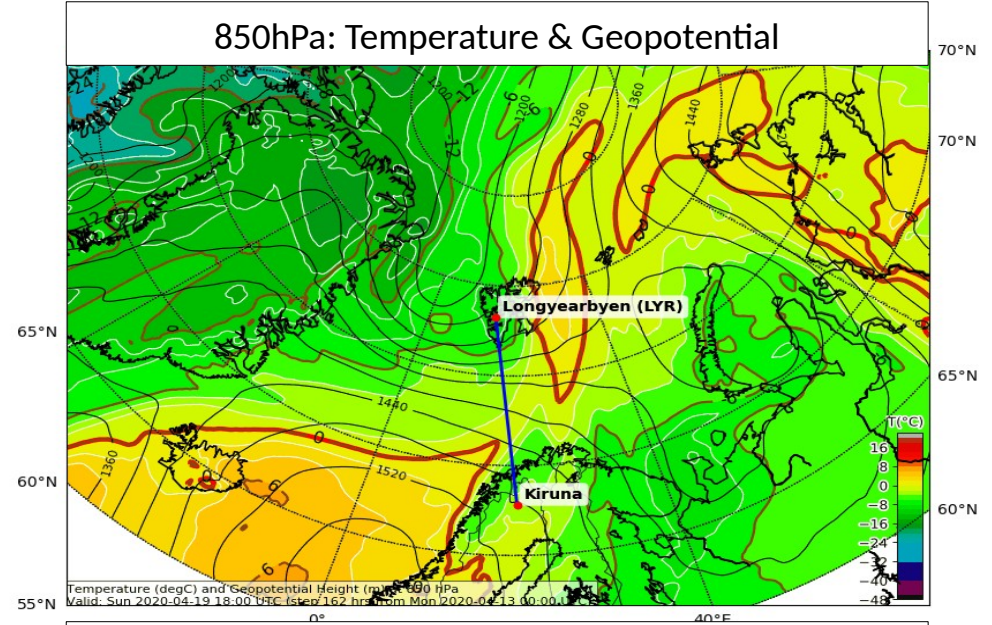


General weather situation (ECMWF): 19/04/20, 18 UTC

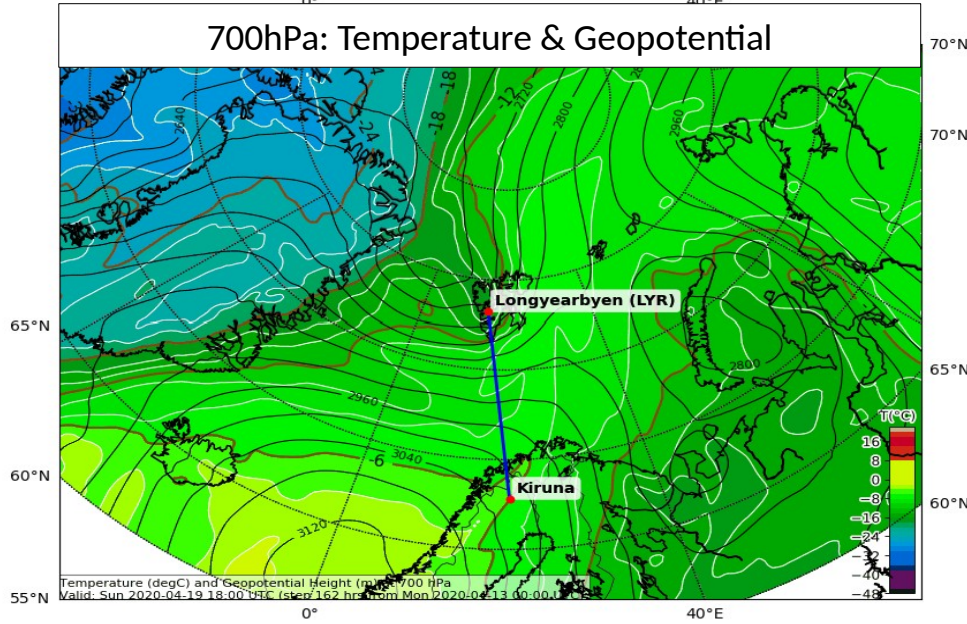
500hPa: Temperature & Geopotential



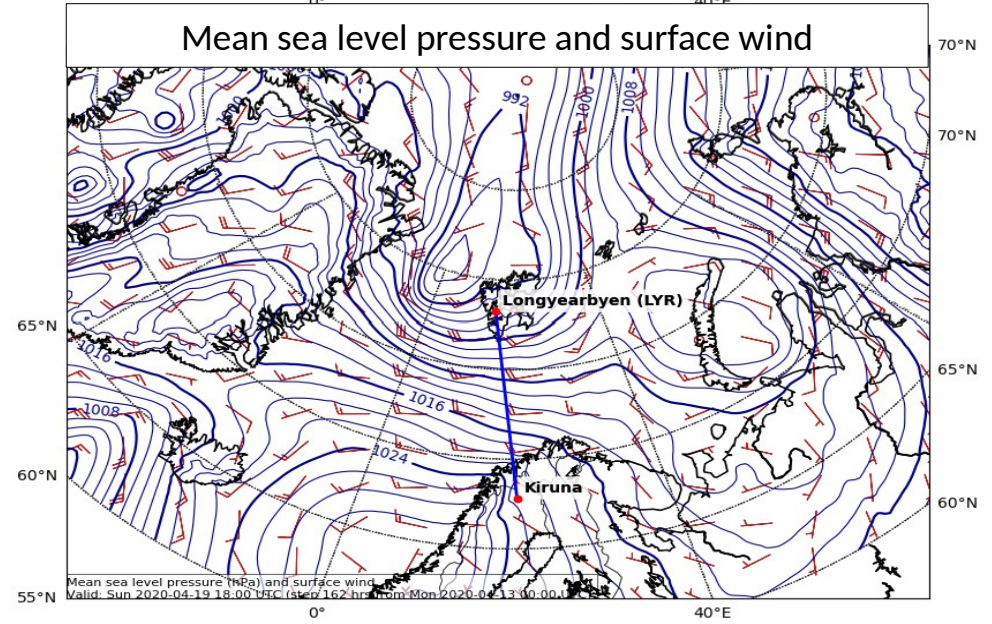
850hPa: Temperature & Geopotential



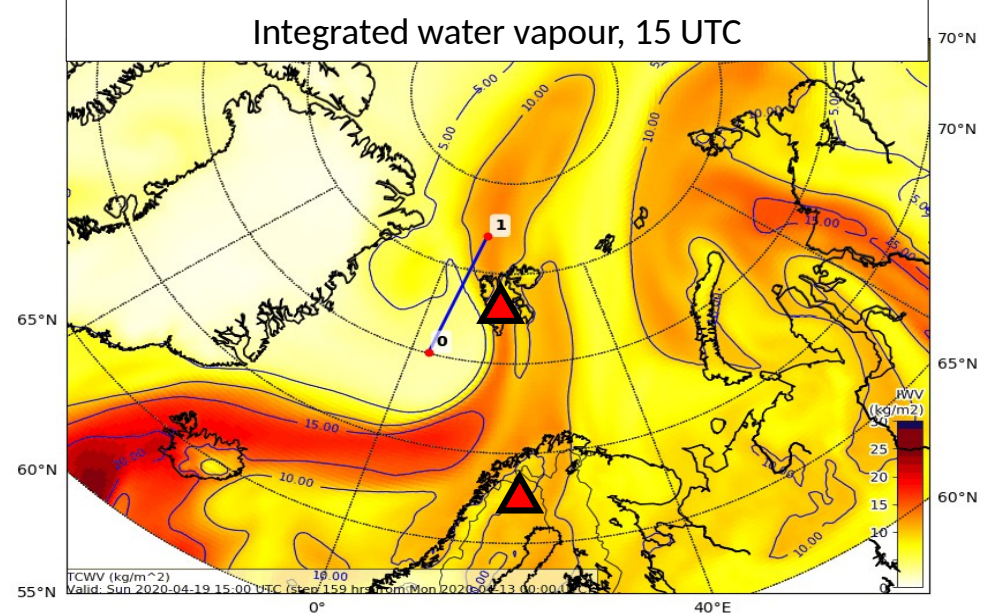
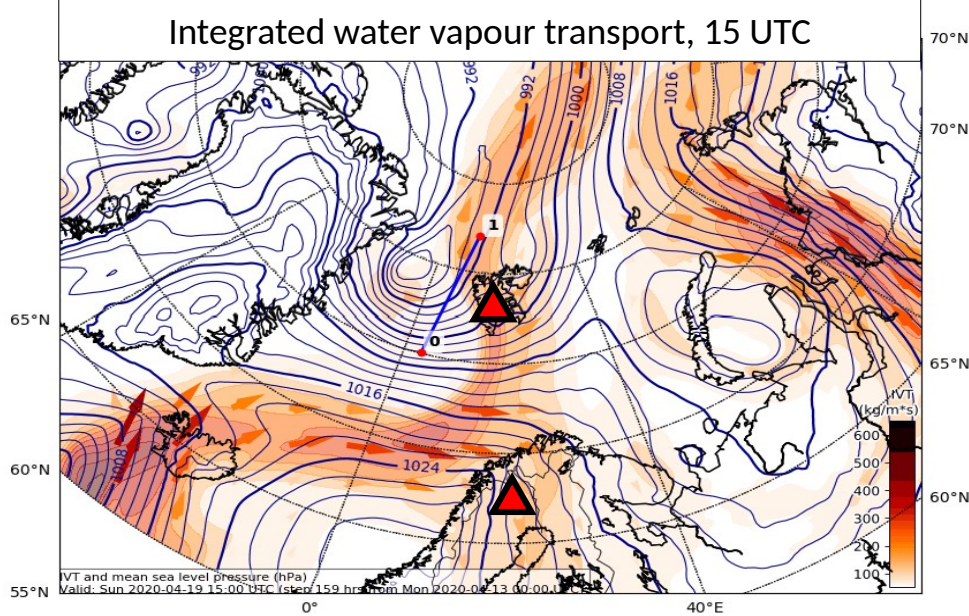
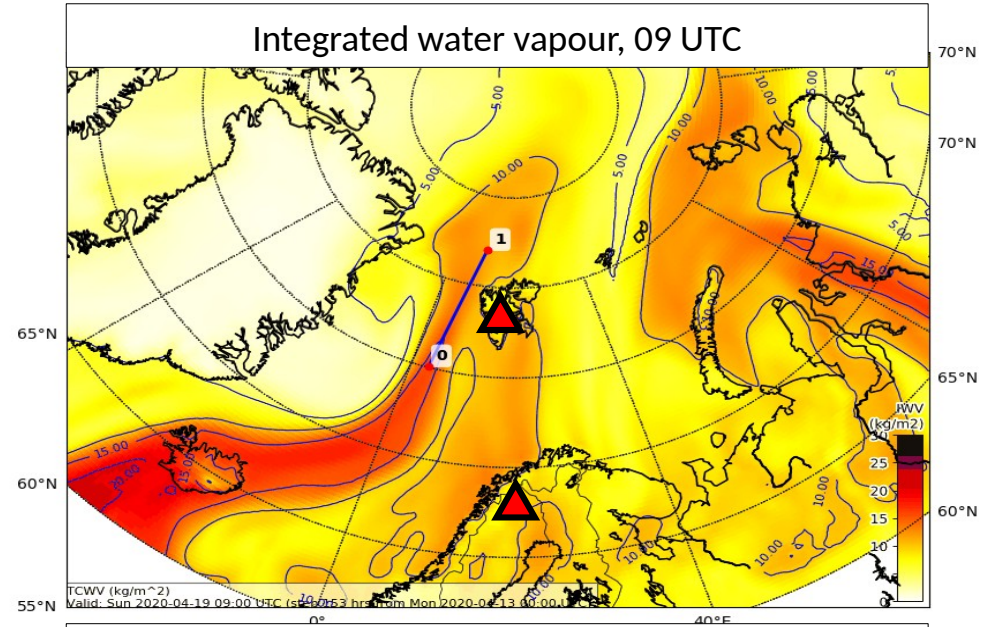
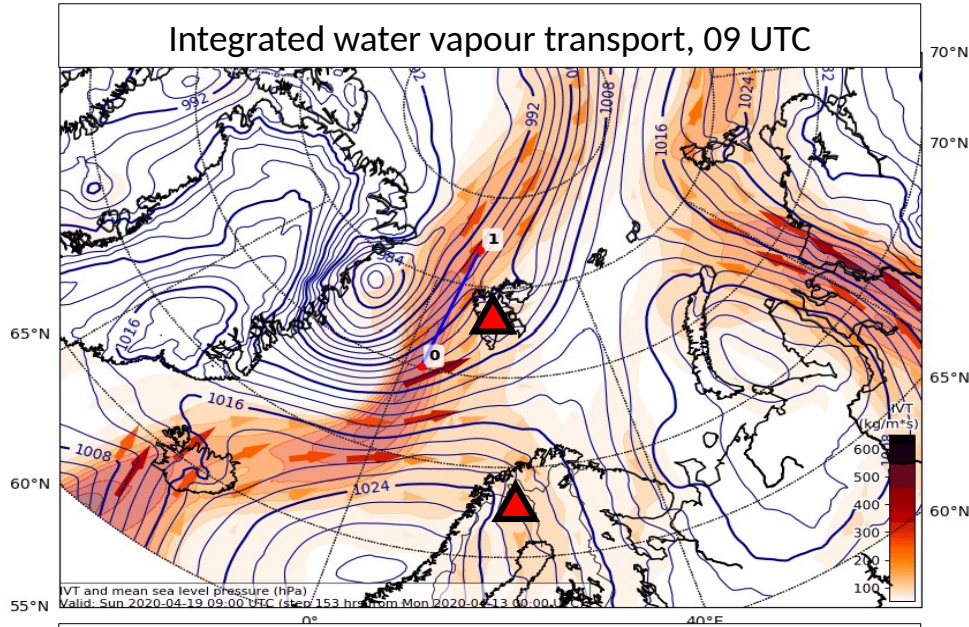
700hPa: Temperature & Geopotential



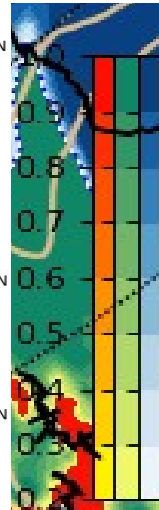
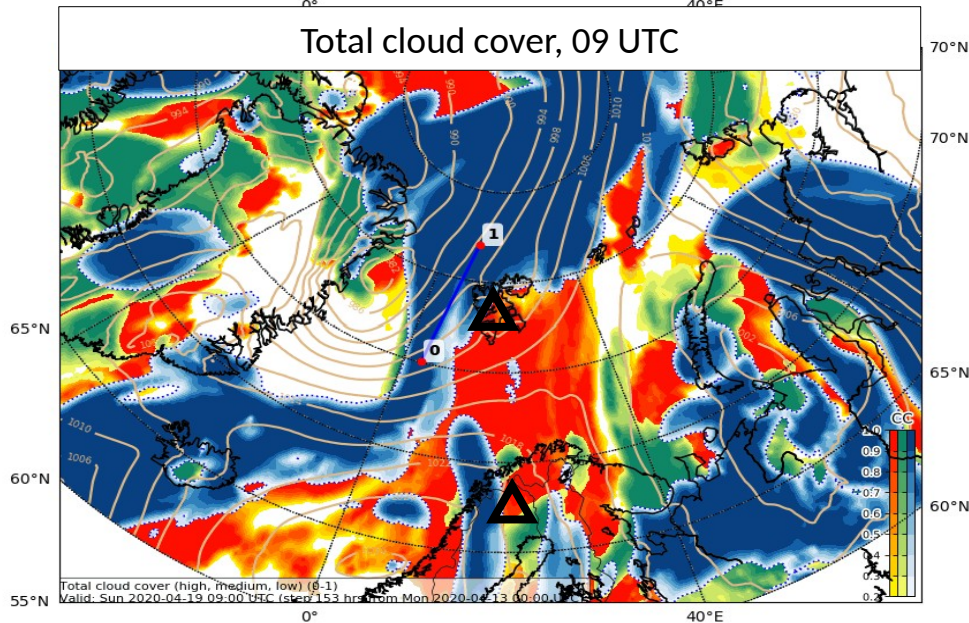
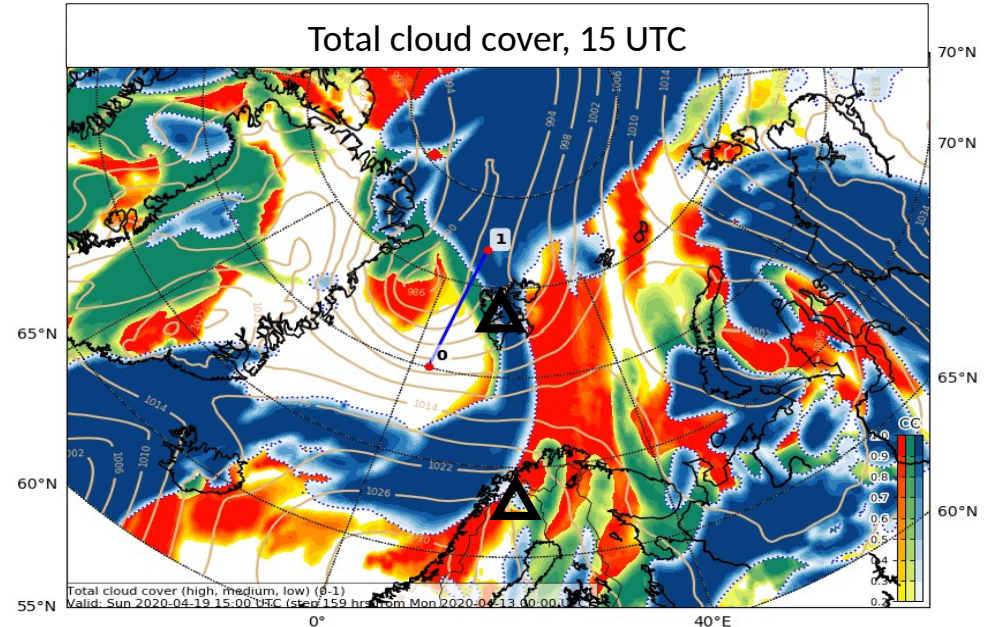
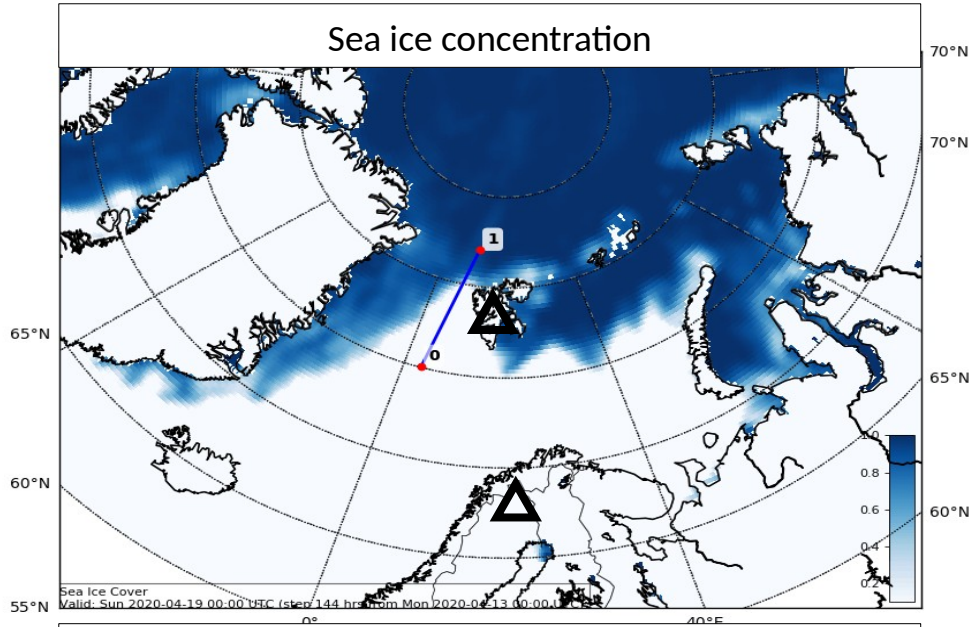
Mean sea level pressure and surface wind



Integrated water vapour (ECMWF): 19/04/20, 09 & 15 UTC



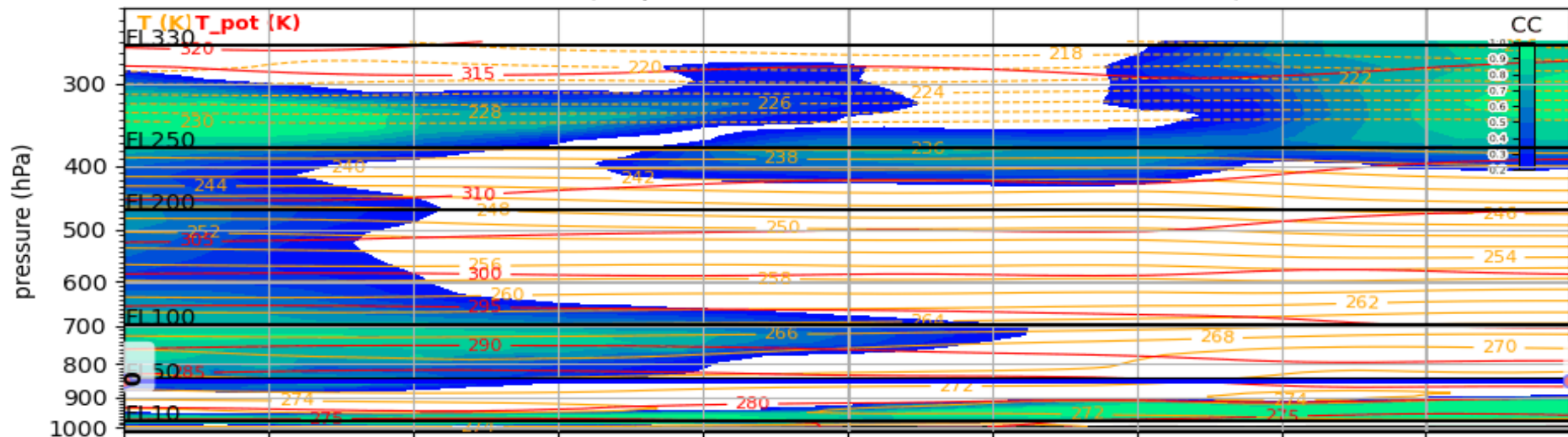
Sea Ice cover & Total cloud cover (ECMWF): 19/04/20, 09 & 15 UTC



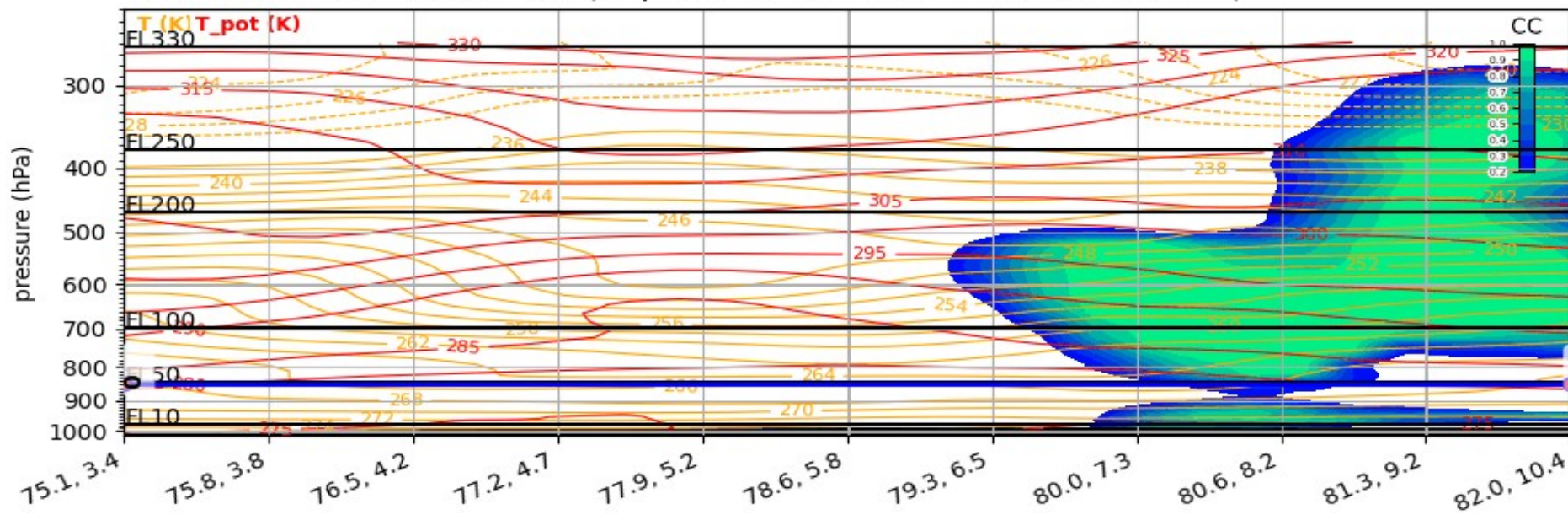
Red: Low cloud cover
Green: Medium cloud cover
Blue: High cloud cover

Cloud cover - Vertical cross sections (ECMWF): 19/04/20, 09 & 15 UTC

Valid: So 2020-04-19 09:00 UTC (step 153 hrs from Mo 2020-04-13 00:00 UTC)



Valid: So 2020-04-19 15:00 UTC (step 159 hrs from Mo 2020-04-13 00:00 UTC)



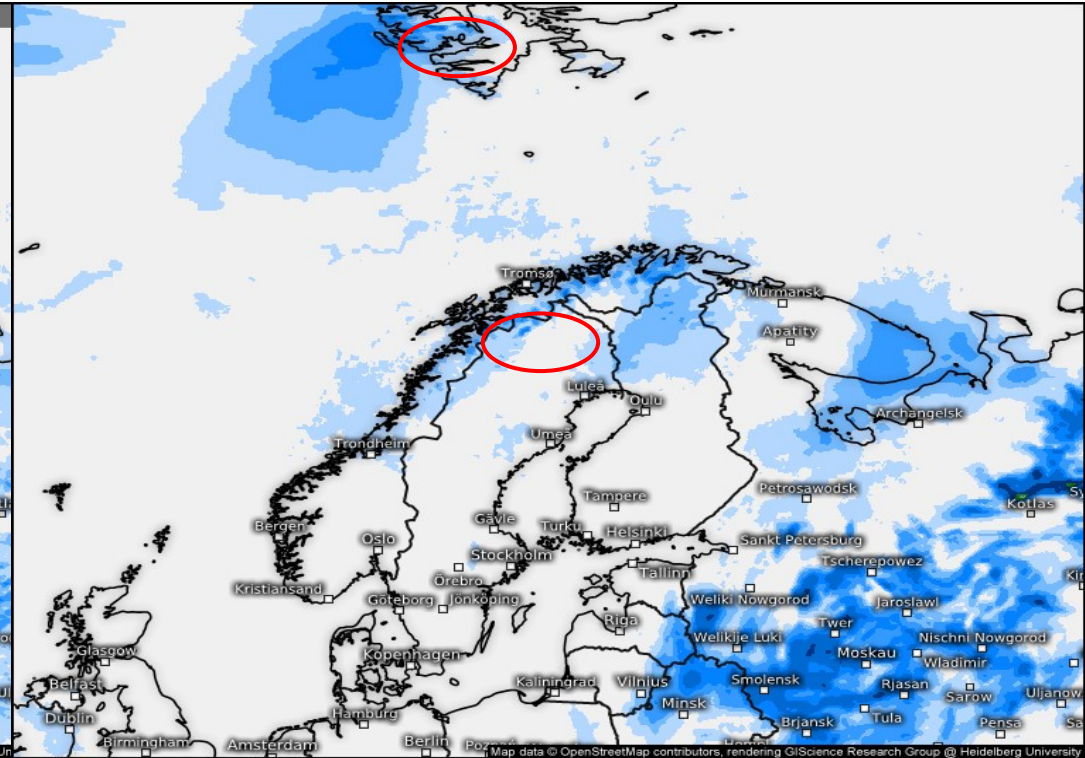
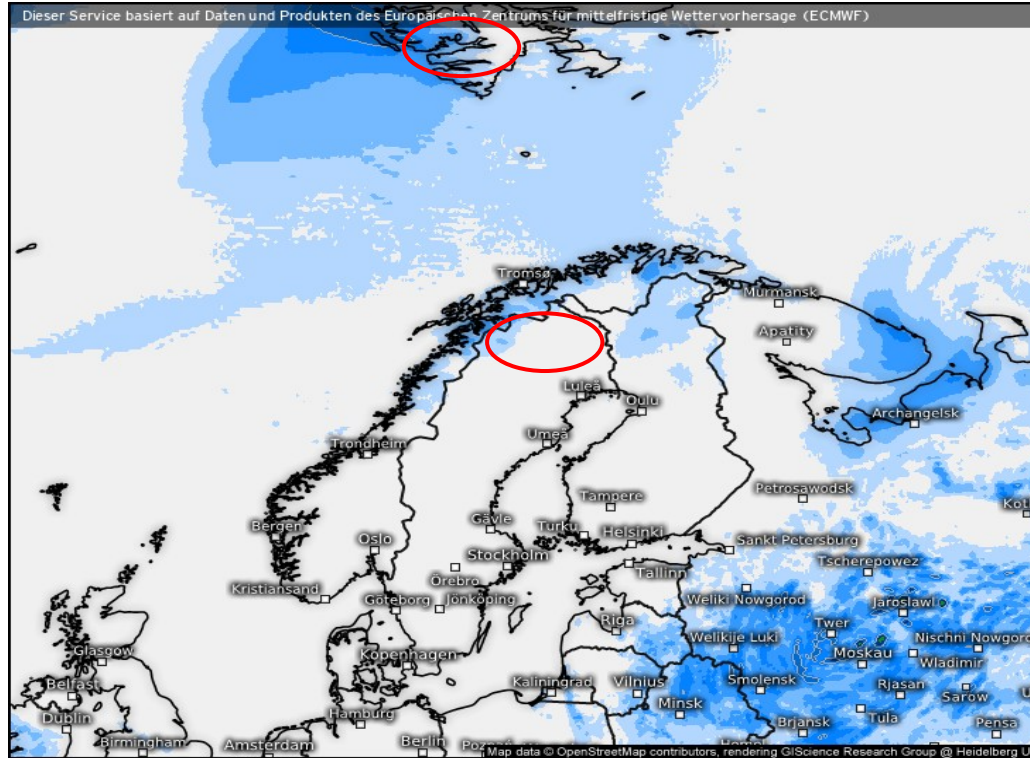
N

S

6h Precipitation: 19/04/20

Precipitation ECMWF: 09 - 15Z

Precipitation HIRLAM-FMI: 09 - 15Z

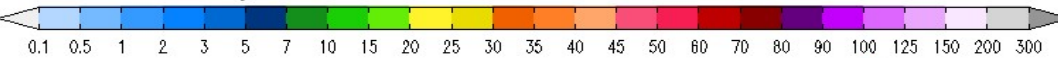
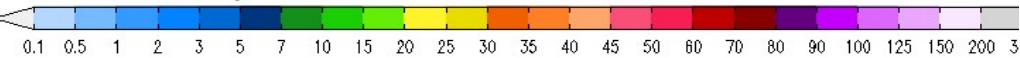


Niederschlagssumme, 6std (mm)

Prognose
So. 19.04.2020, 17:00 Uhr MEI

Niederschlagssumme, 6std (mm)

Prognose für
So. 19.04.2020, 17:00 Uhr MESZ



Rasterkarte 20.1 E, 66.2 N (Zoomstufe 1 / Auflösung 5km)
ECMWF/Global Euro HD vom 18.04.2020/00z

ECMWF kachelmannwetter.com WETTER HD

Rasterkarte 20.1 E, 66.2 N (Zoomstufe 1 / Auflösung 5km)
Europa Finnish HD (2 Tage) vom 18.04.2020/00z

HD kachelmannwetter.com WETTER HD
Daten: CC-BY FMI Open Data

METAR and TAF for LYR (left) and Kiruna (right)

16/04/20 06:50 UTC->

METAR ENSB

10004KT 060V140 9999 BKN028 M01/M04 Q1005
RMK WIND 1400FT 28006KT

19/04/20 05:00 UTC->

TAF ENSB

1906/2006 15008KT 9999 FEW004 SCT015
BKN020

PROB30

TEMPO 1906/1918 4000 DZ BR BKN004 TEMPO

1912/1918 4000 DZ BR BKN004 BECMG

1912/1914 25014KT

TEMPO 1918/1924 26025KT

BECMG 1924/2003 32022KT

TEMPO 1924/2006 32025G35KT 4000 -SN BLSN
VV009

16/04/20 06:50 UTC->

METAR ESNQ

AUTO 36007KT 9999 OVC038/// 04/M00
Q1018

19/04/20

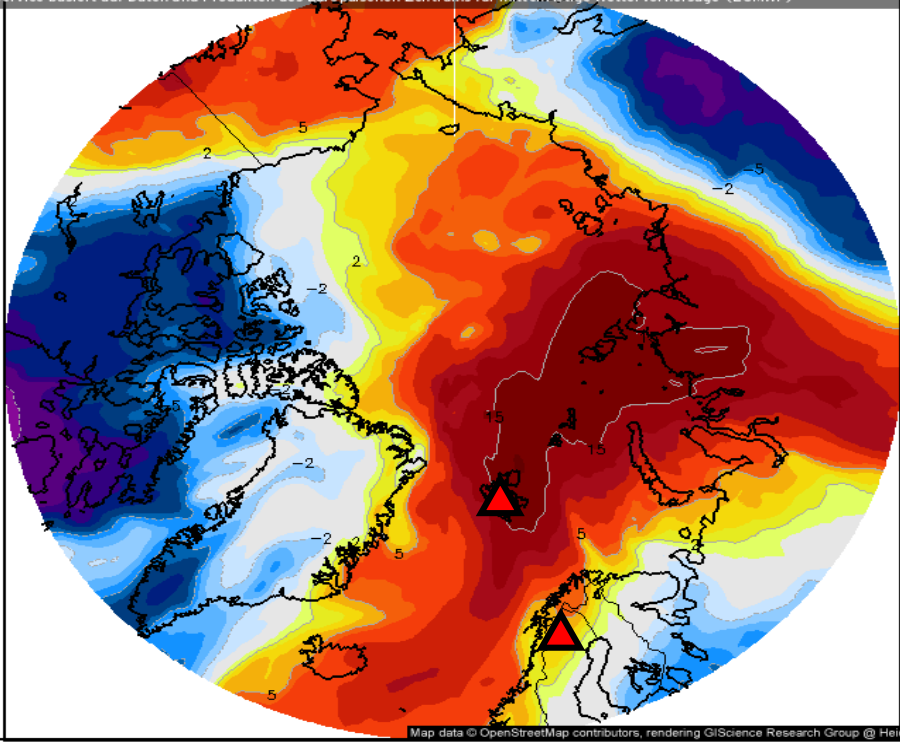
-

<https://aaltronav.eu/weather/metar/>

Summary

T-Anomaly 850hPa: 16/04, 12 UTC

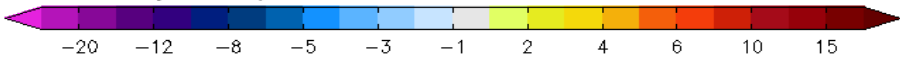
Dieser Service basiert auf Daten und Produkten des Europäischen Zentrums für mittelfristige Wettervorhersage (ECMWF)



Map data © OpenStreetMap contributors, rendering GIScience Research Group @ Heidelberg University

Abweichung Temperatur, 850hPa (°C)

Prognose für
So. 19.04.2020, 14:00 Uhr MESZ



Nordpol
ECMWF/Global Euro HD vom 18.04.2020/00z

ECMWF kachelmannwetter.com
WETTER HD

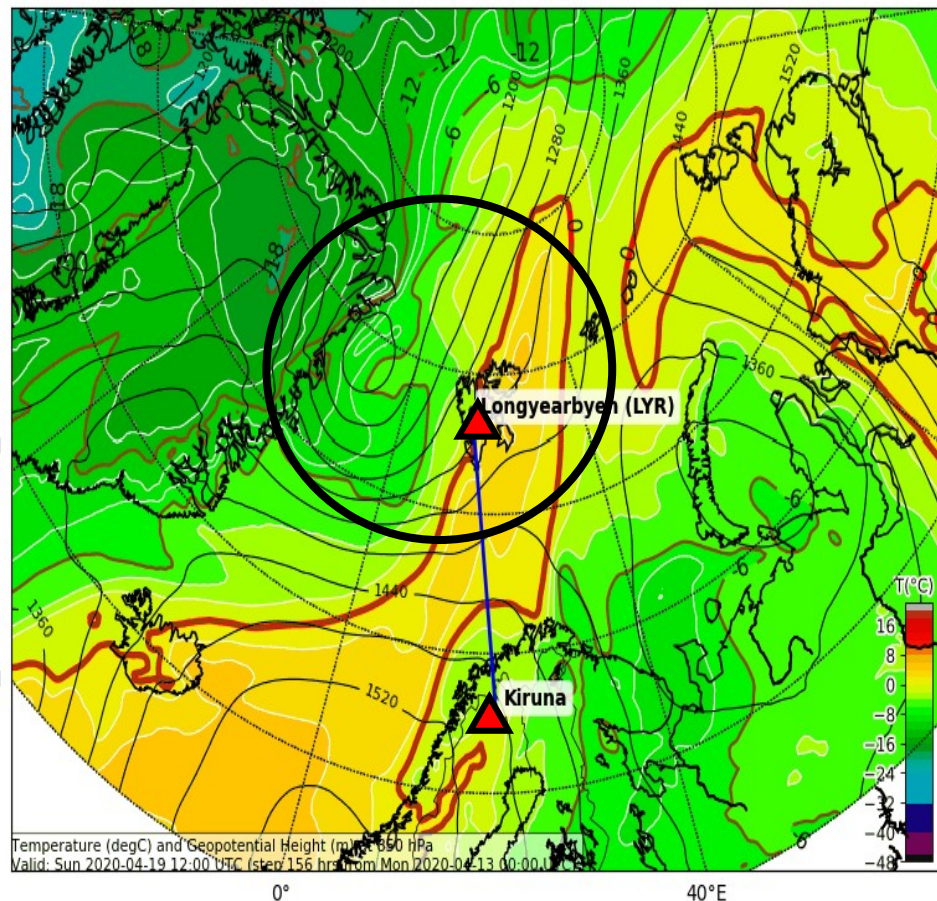
- Strong high W of Norway and lows over and S/E of Greenland
→ strong WAI W of and over Svalbard
- Strong WAI also over Kara-Sea
- Low developing W of Svalbard over the day, wind turns to W
- Precipitation likely near LYR, but not at Kiruna
- TAF: Drizzle, fog and broken clouds at 400ft at LYR with prob. of 30%

Verification

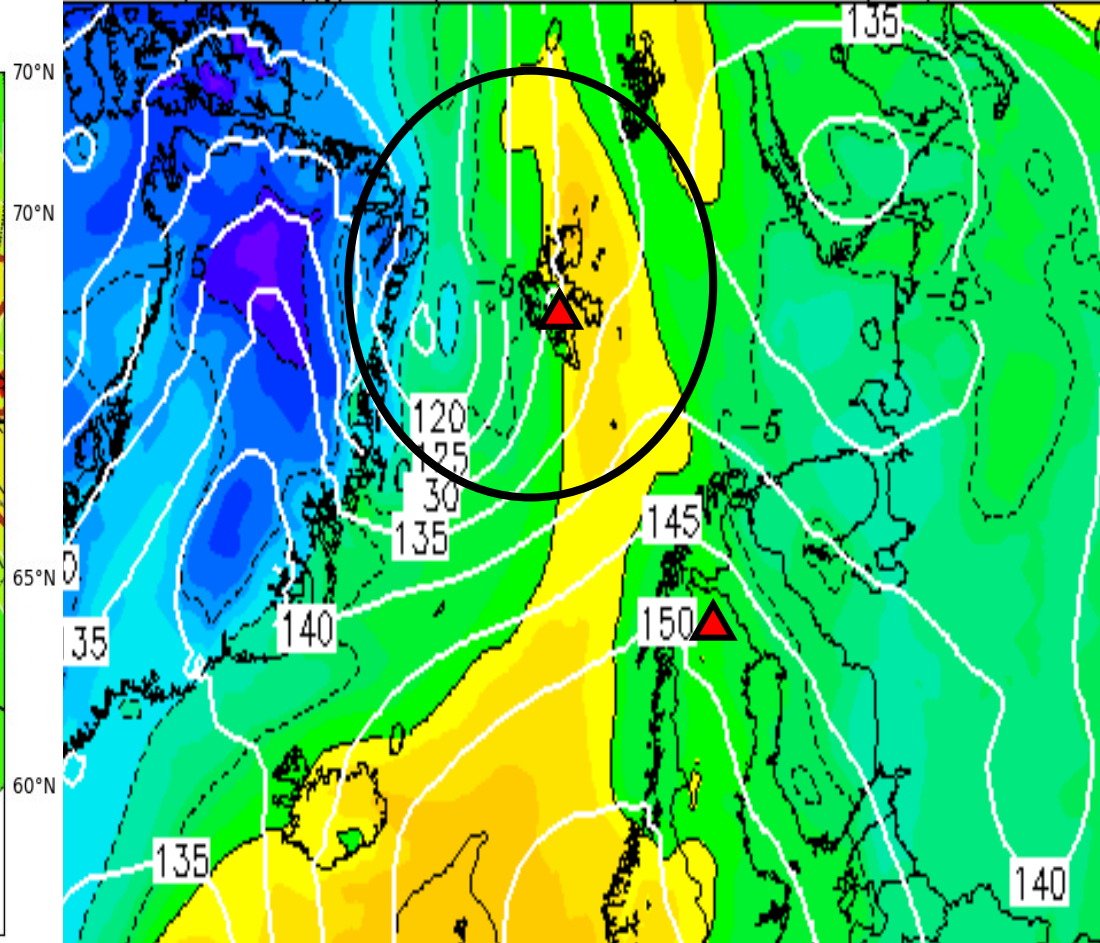
19 April 2020

850hPa Temperature & Geopotential: ECMWF Forecast & CFS Analysis - 19 April 2020, 12 UTC

Temperature (degC) and Geopotential Height (m) at 850.0 (hPa)
 Valid: So 2020-04-19 12:00 UTC (step 156 hrs from Mo 2020-04-13 00:00 UTC)



1 Geopot. (gpdm) und Temperatur (°C) Sun,

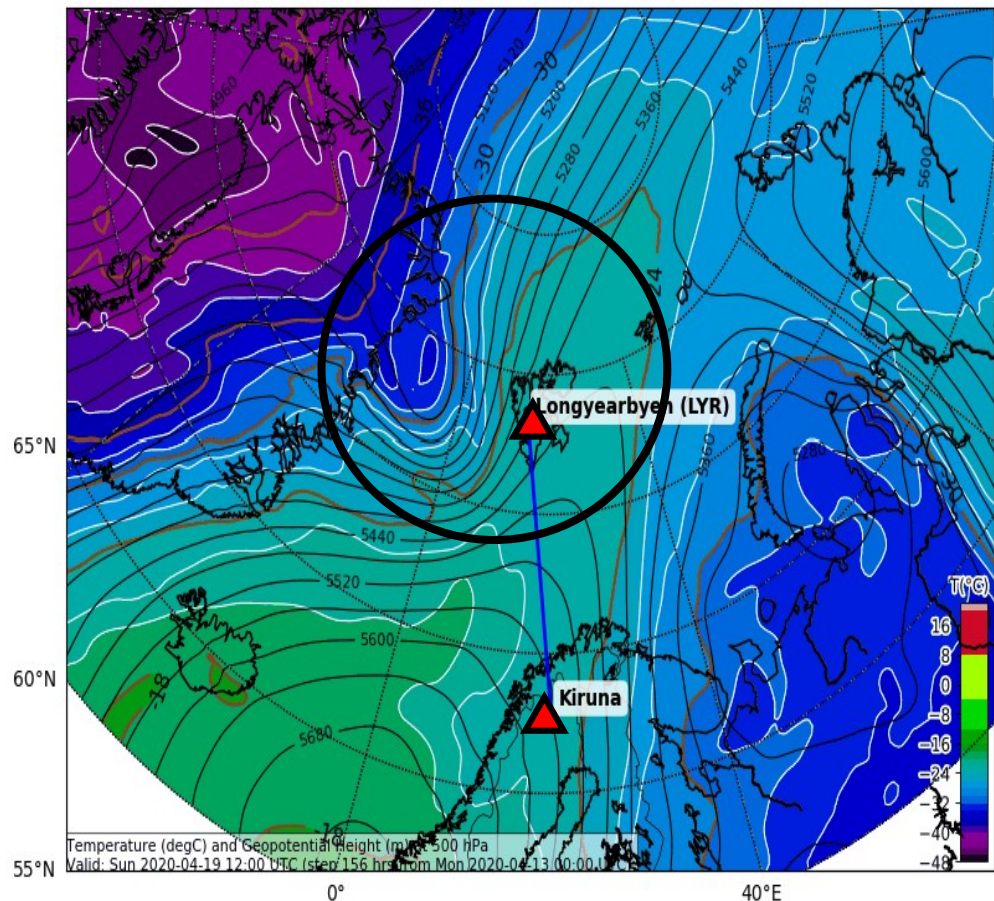


Data: CFS reanalysis 0.500°
 (C) Wetterzentrale
 www.wetterzentrale.de

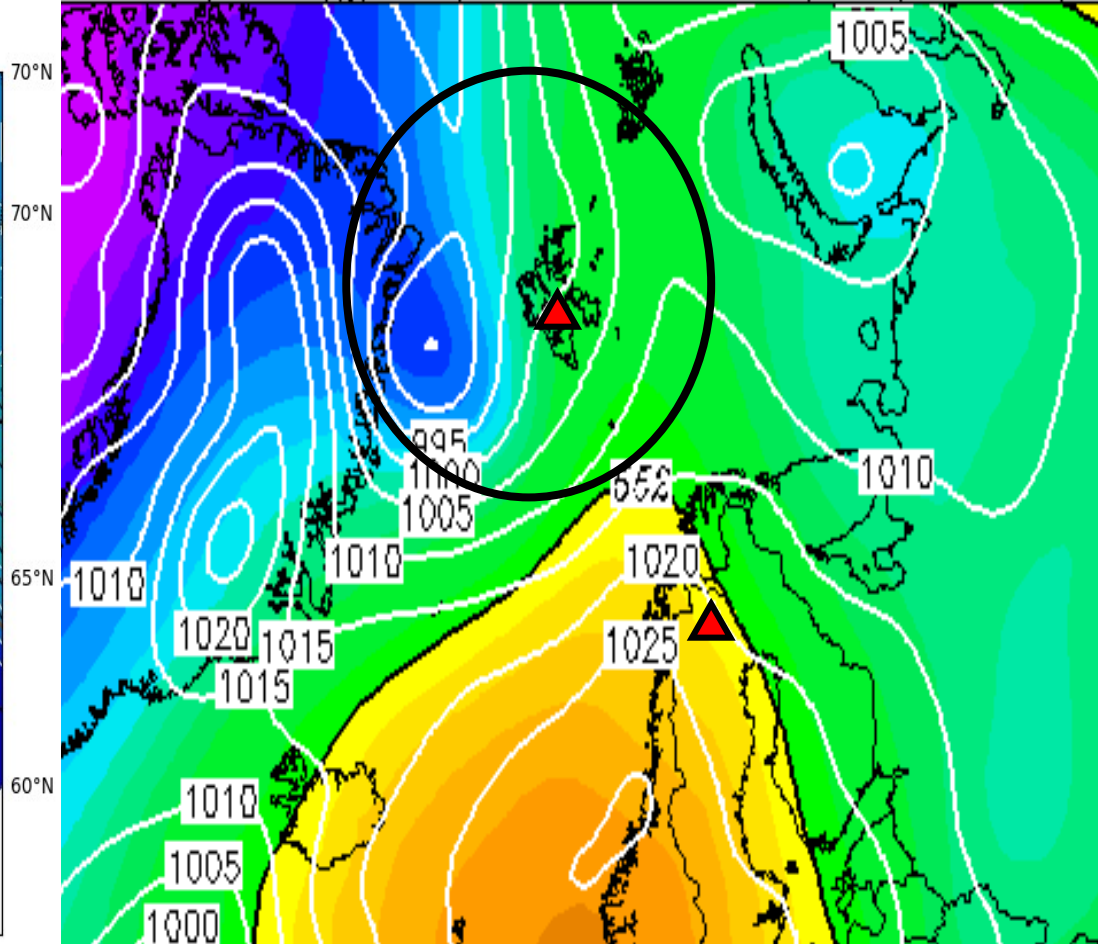


500hPa Geop.: ECMWF Forecast & CFS Analysis - 19 April 2020, 12 UTC

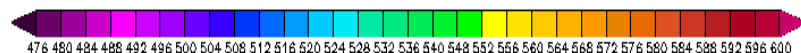
Temperature (degC) and Geopotential Height (m) at 500.0 (hPa)
 Valid: So 2020-04-19 12:00 UTC (step 156 hrs from Mo 2020-04-13 00:00 UTC)



500hPa Geopot. (gpdm), Bodendruck (hPa) Sun,



Data: CFS reanalysis 0.500°
 (C) Wetterzentrale
 www.wetterzentrale.de



Clouds: ECMWF Forecast & Satellite (VIIRS S-NPP) – 19 April 2020, 12 UTC vs. 10:06 UTC

Cloud Cover (0-1) (Total Cloud Cover)

Valid: So 2020-04-19 12:00 UTC (step 156 hrs from Mo 2020-04-13 00:00 UTC)

