

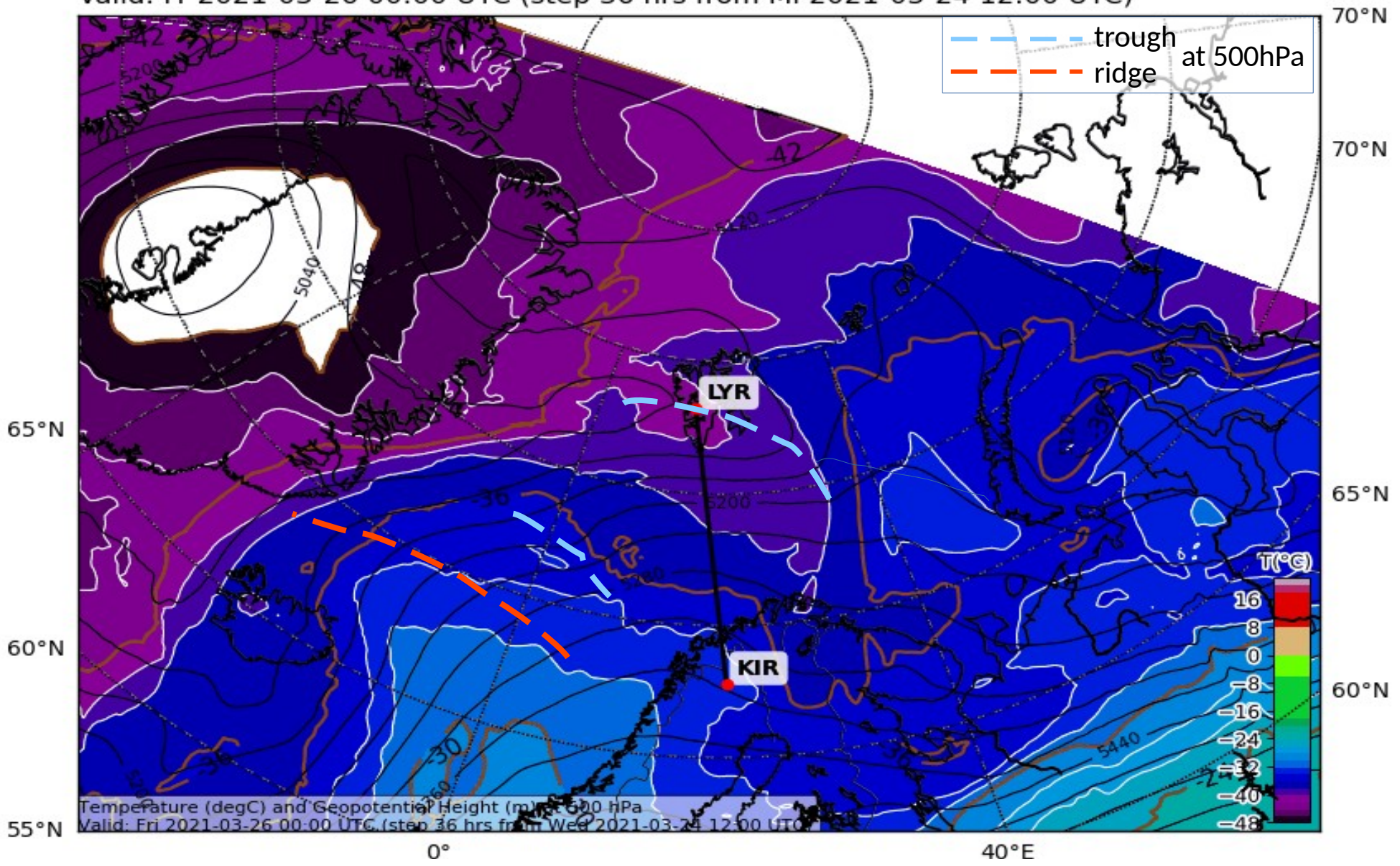
# Weather briefing HALO-(AC)<sup>3</sup>

Thursday, 25 March 2021 – 08 UTC

Friday, 26 March 2021

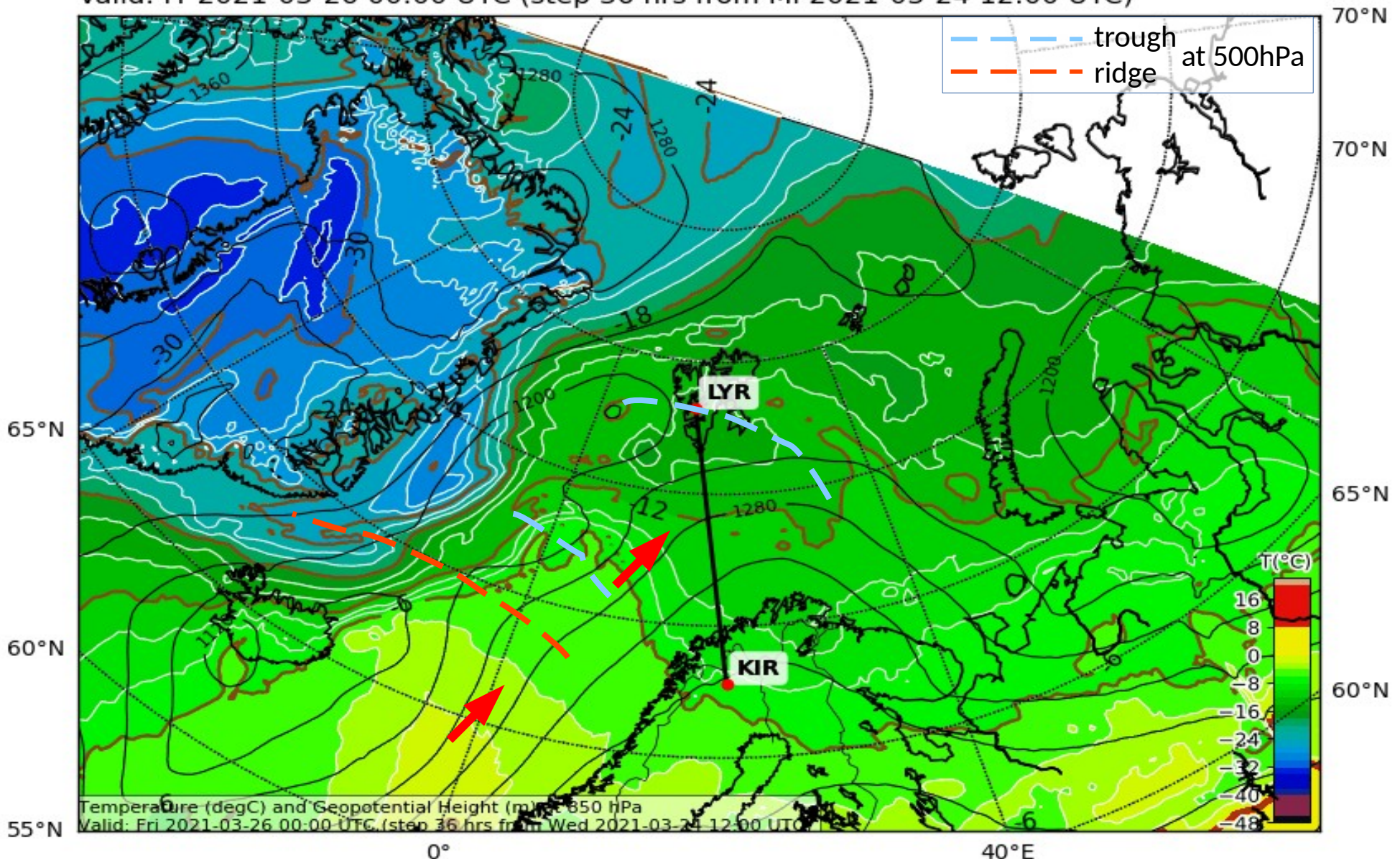
# 500 hPa: Temperature (°C) & Geopotential (gpm) from ECMWF: Fri., 26/03, 00 UTC

Valid: Fr 2021-03-26 00:00 UTC (step 36 hrs from MI 2021-03-24 12:00 UTC)



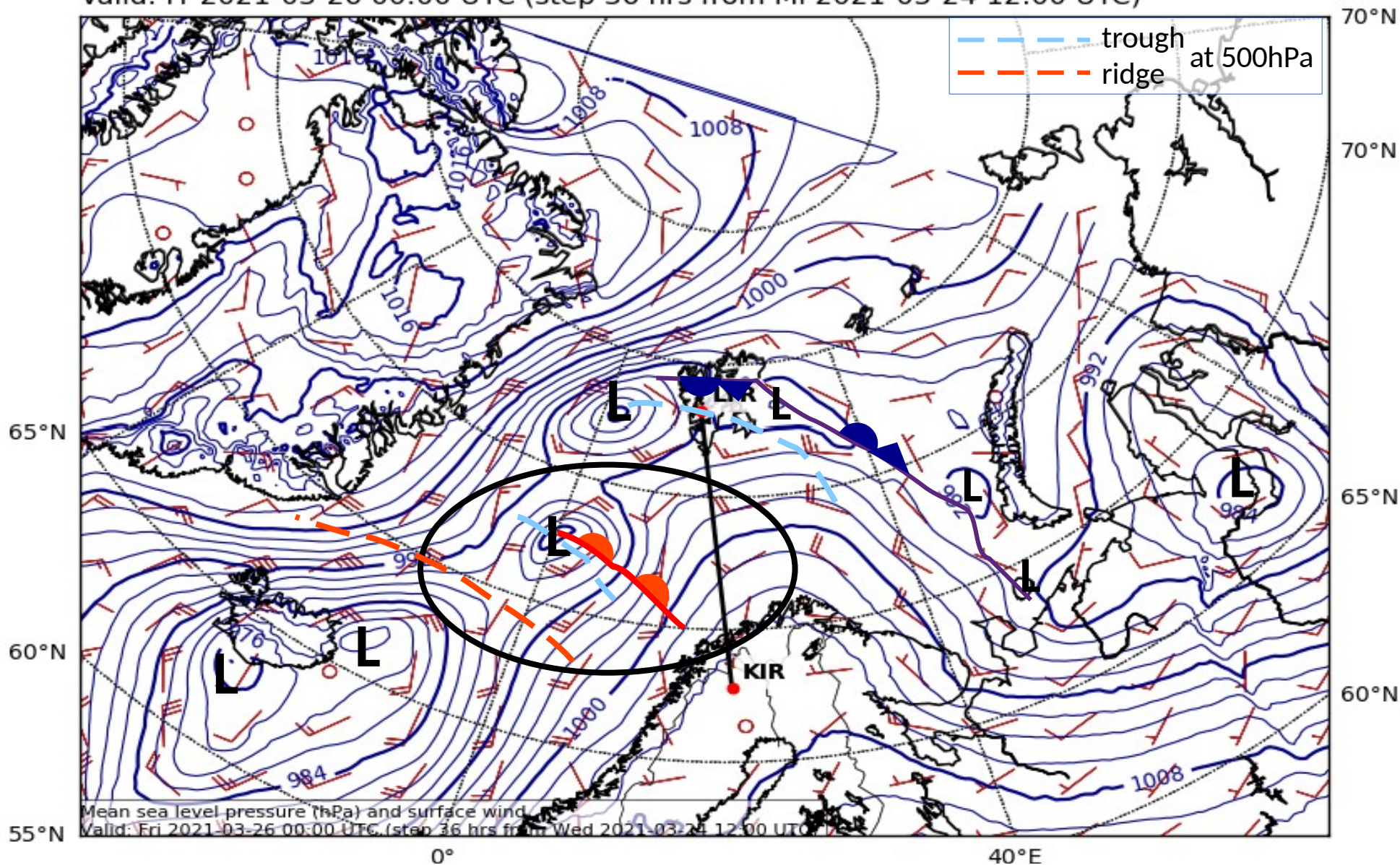
# 850 hPa: Temperature (°C) & Geopotential (gpm) from ECMWF: Fri., 26/03, 00 UTC

Valid: Fr 2021-03-26 00:00 UTC (step 36 hrs from MI 2021-03-24 12:00 UTC)



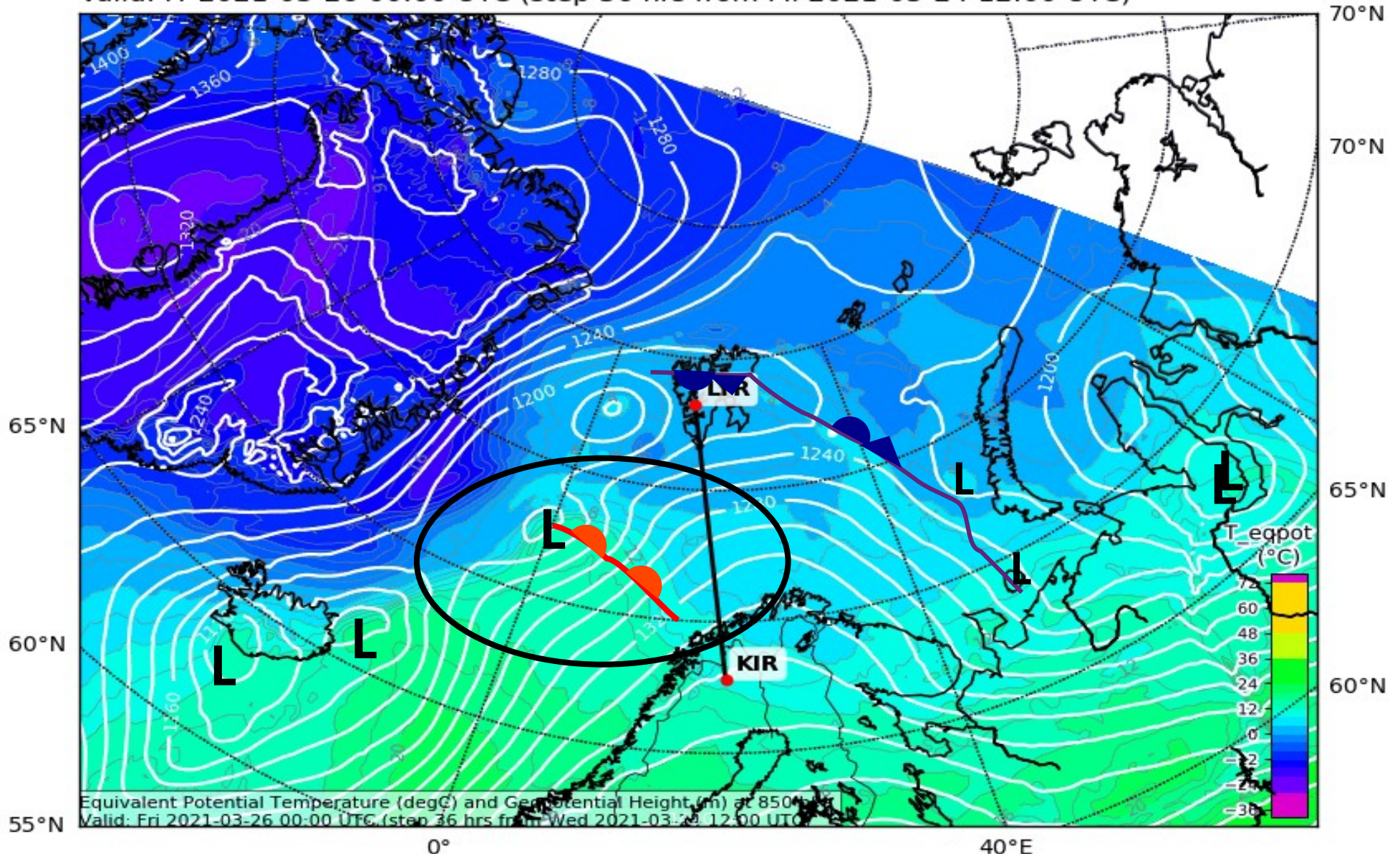
# Mean sea level pressure (hPa) & surface wind from ECMWF: Fri., 26/03, 00 UTC

Valid: Fri 2021-03-26 00:00 UTC (step 36 hrs from MI 2021-03-24 12:00 UTC)



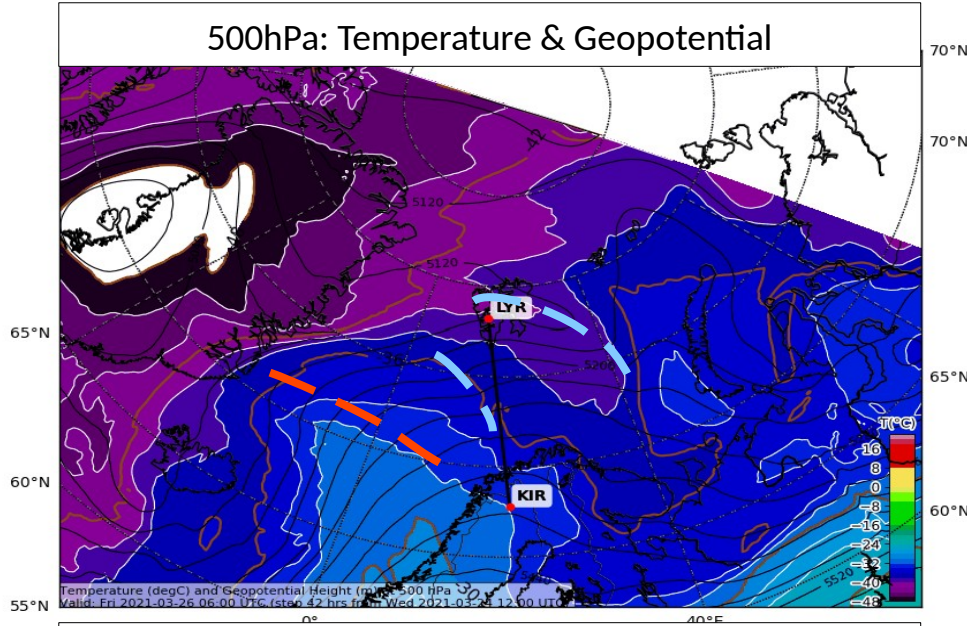
# 850 hPa: Equi. Pot. Temperature (°C) & Geopotential (gpm) from ECMWF: Fri., 26/03, 00 UTC

Valid: Fr 2021-03-26 00:00 UTC (step 36 hrs from MI 2021-03-24 12:00 UTC)

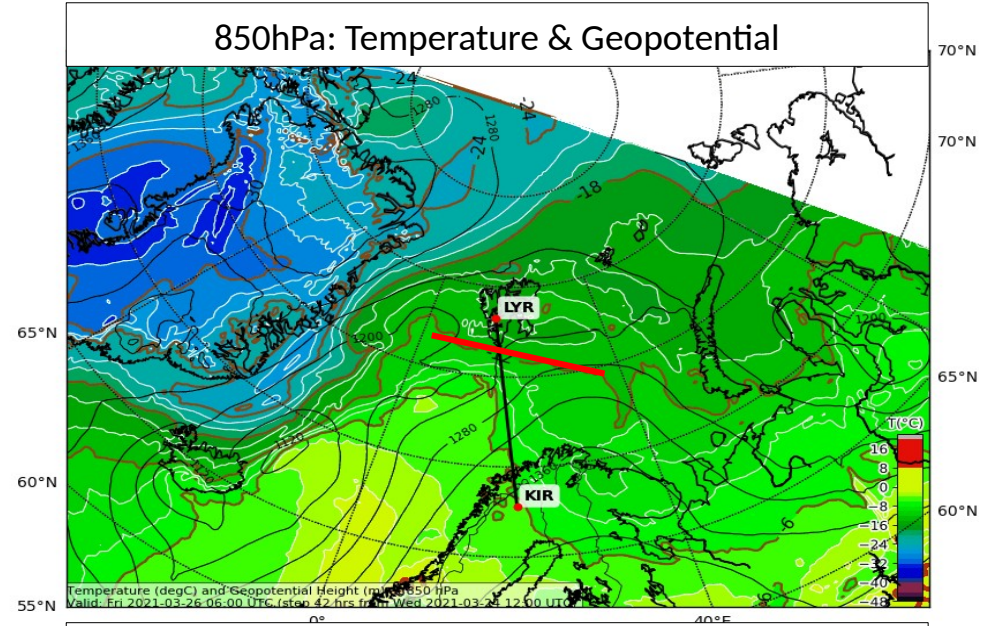


# General weather situation (ECMWF): Fri. 26/03, 06 UTC

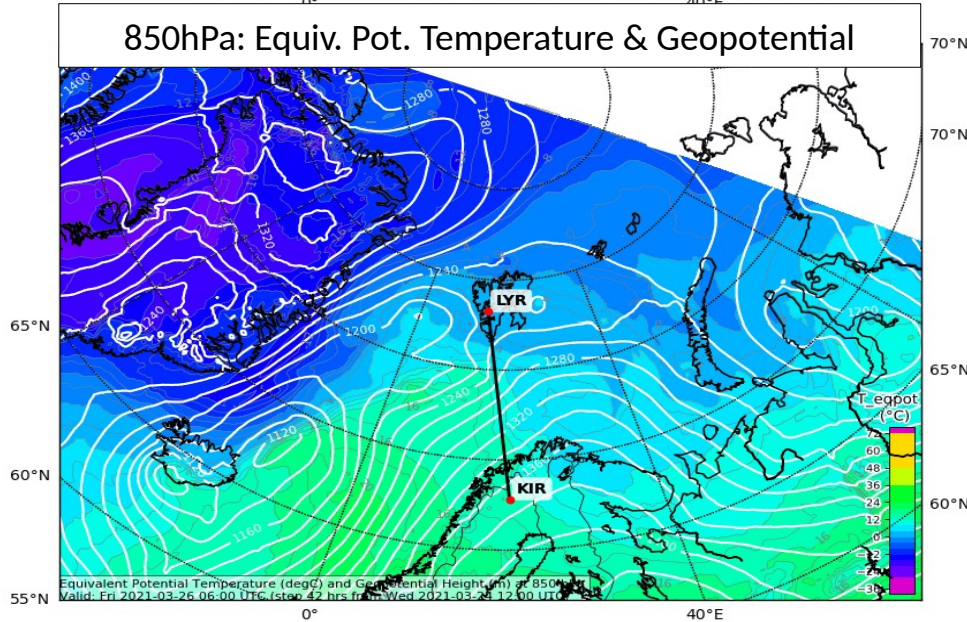
## 500hPa: Temperature & Geopotential



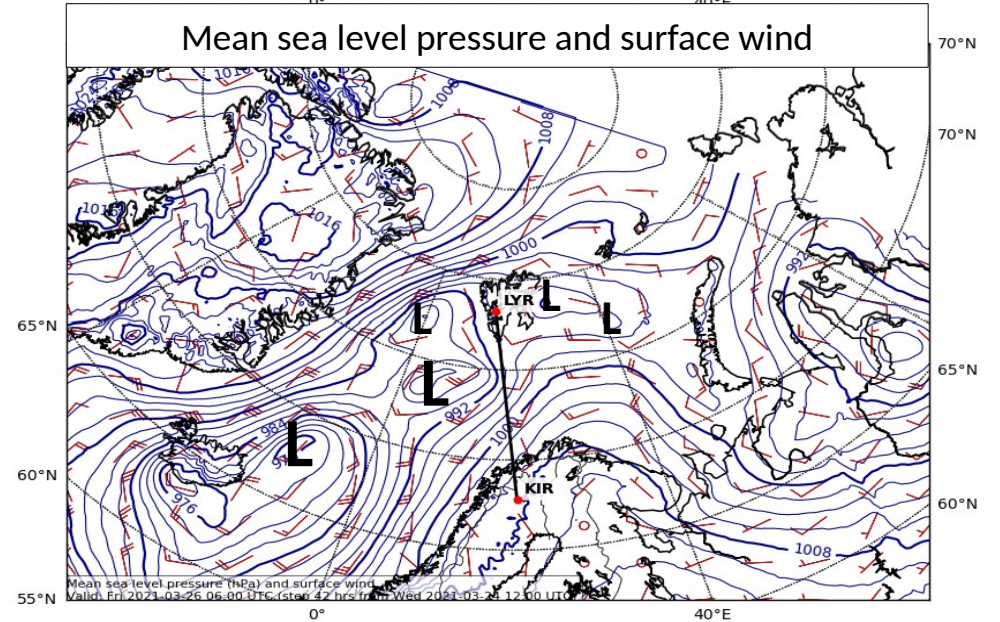
## 850hPa: Temperature & Geopotential



## 850hPa: Equiv. Pot. Temperature & Geopotential

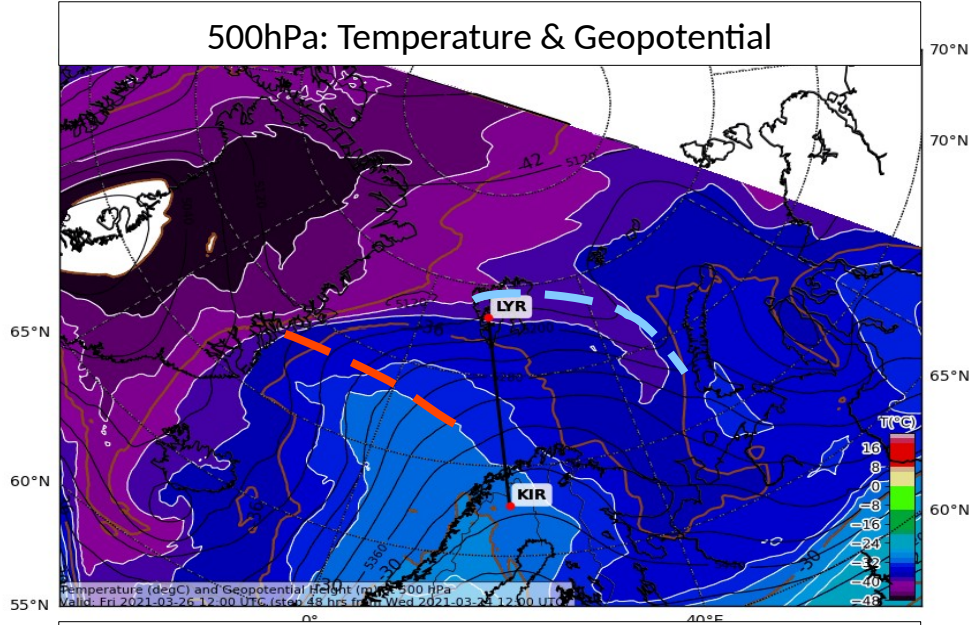


## Mean sea level pressure and surface wind

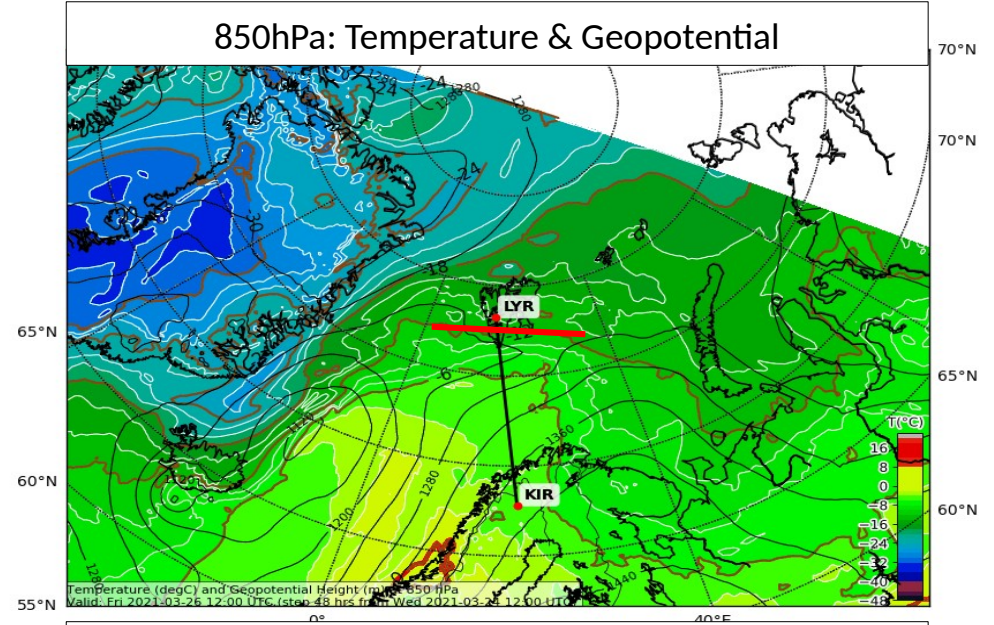


# General weather situation (ECMWF): Fri. 26/03, 12 UTC

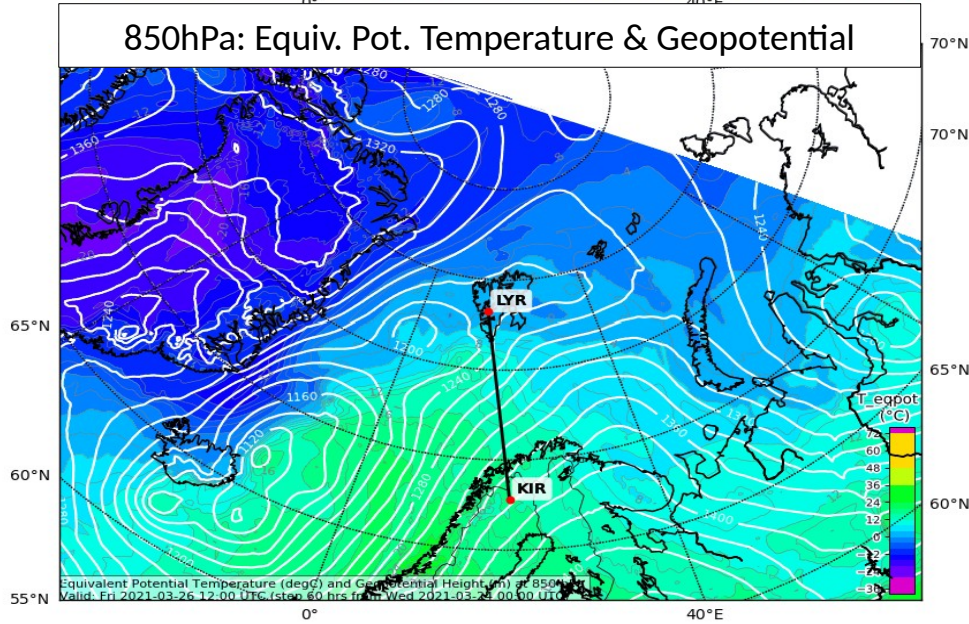
## 500hPa: Temperature & Geopotential



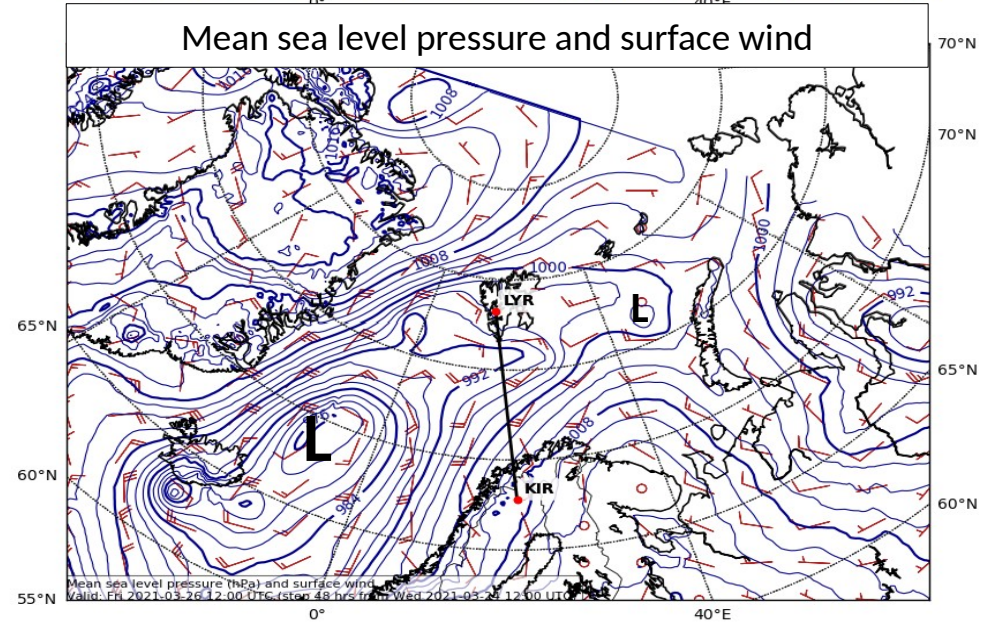
## 850hPa: Temperature & Geopotential



## 850hPa: Equiv. Pot. Temperature & Geopotential



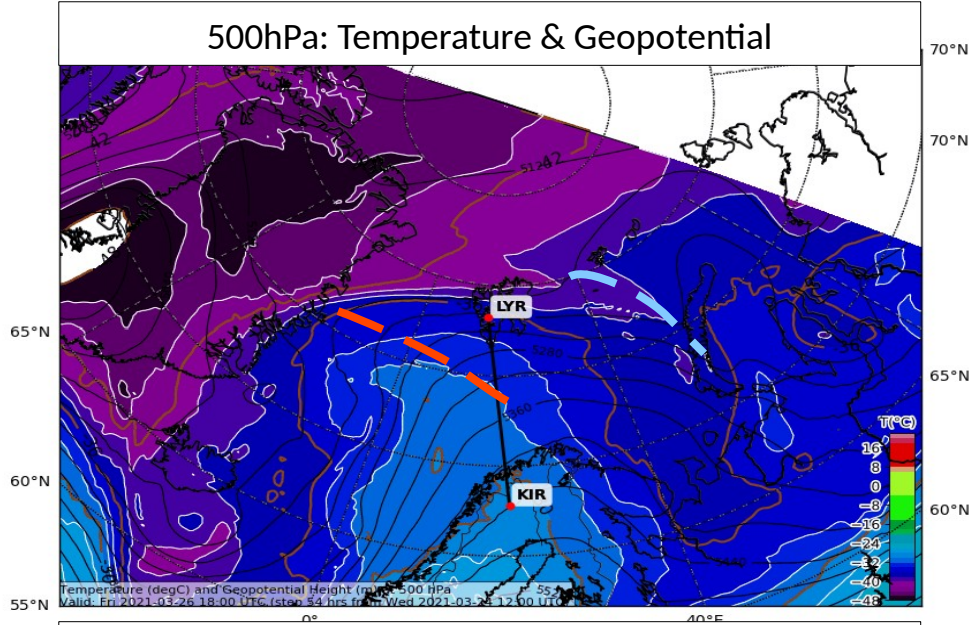
## Mean sea level pressure and surface wind



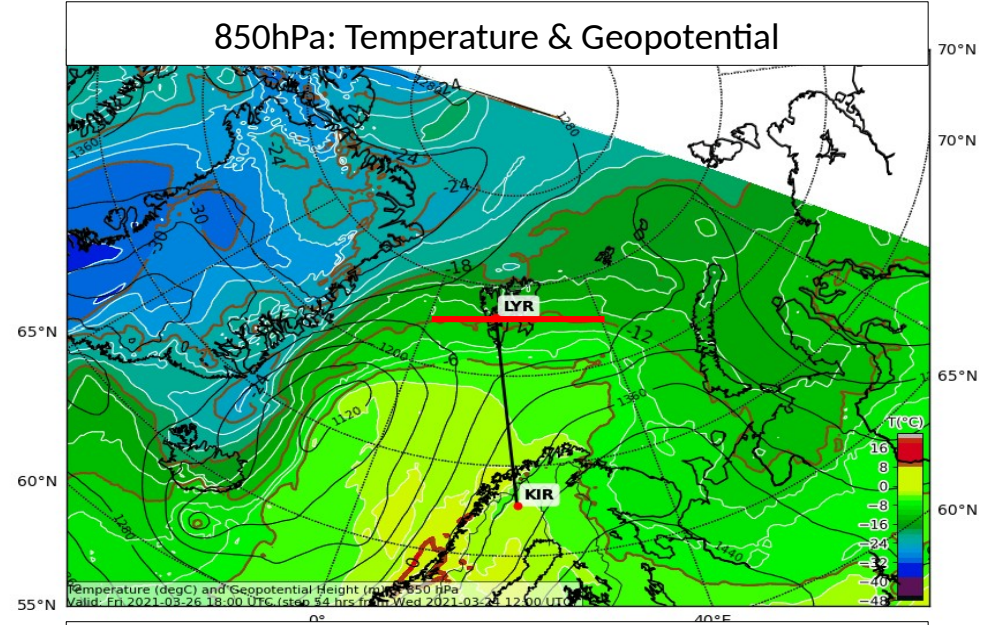


# General weather situation (ECMWF): Fri. 26/03, 18 UTC

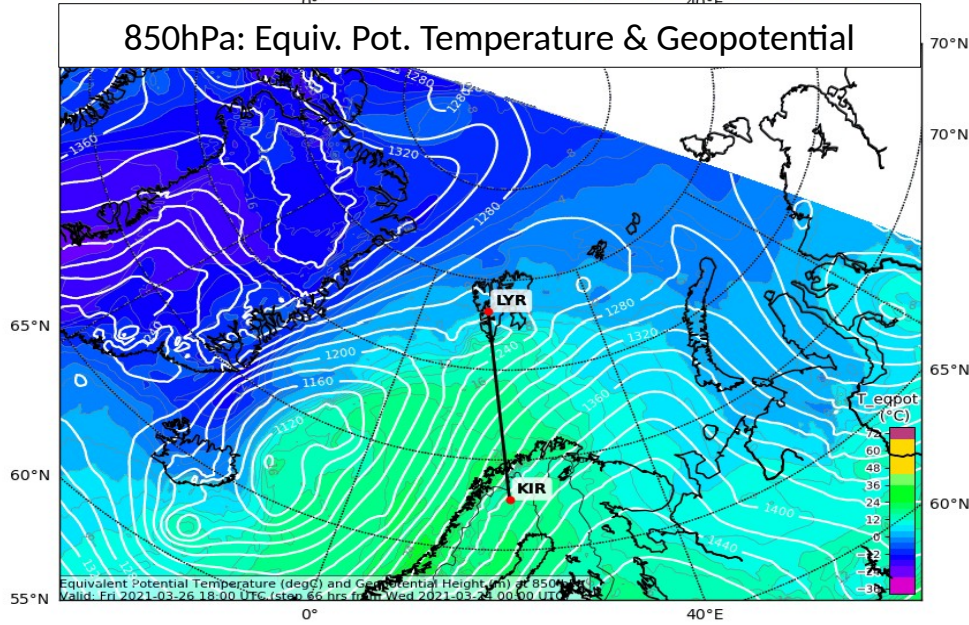
## 500hPa: Temperature & Geopotential



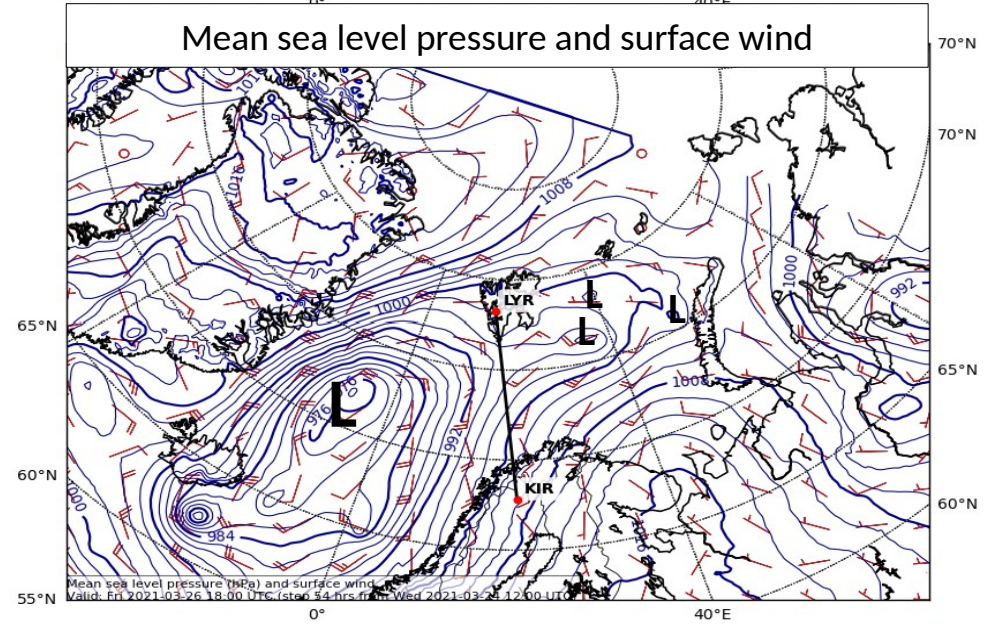
## 850hPa: Temperature & Geopotential



## 850hPa: Equiv. Pot. Temperature & Geopotential

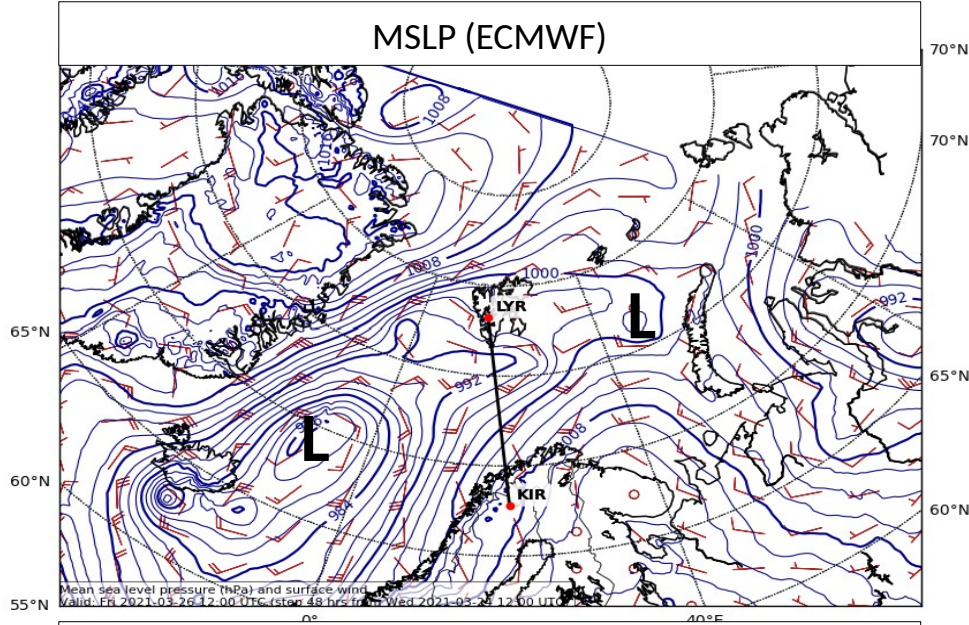


## Mean sea level pressure and surface wind

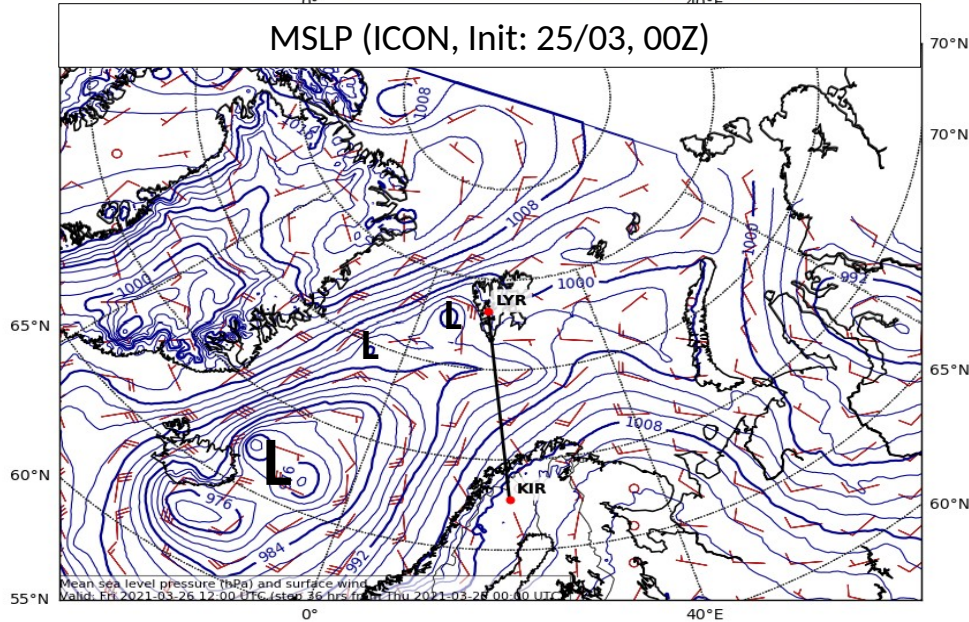


# Model comparison MSLP: Fri. 26/03, 12 UTC

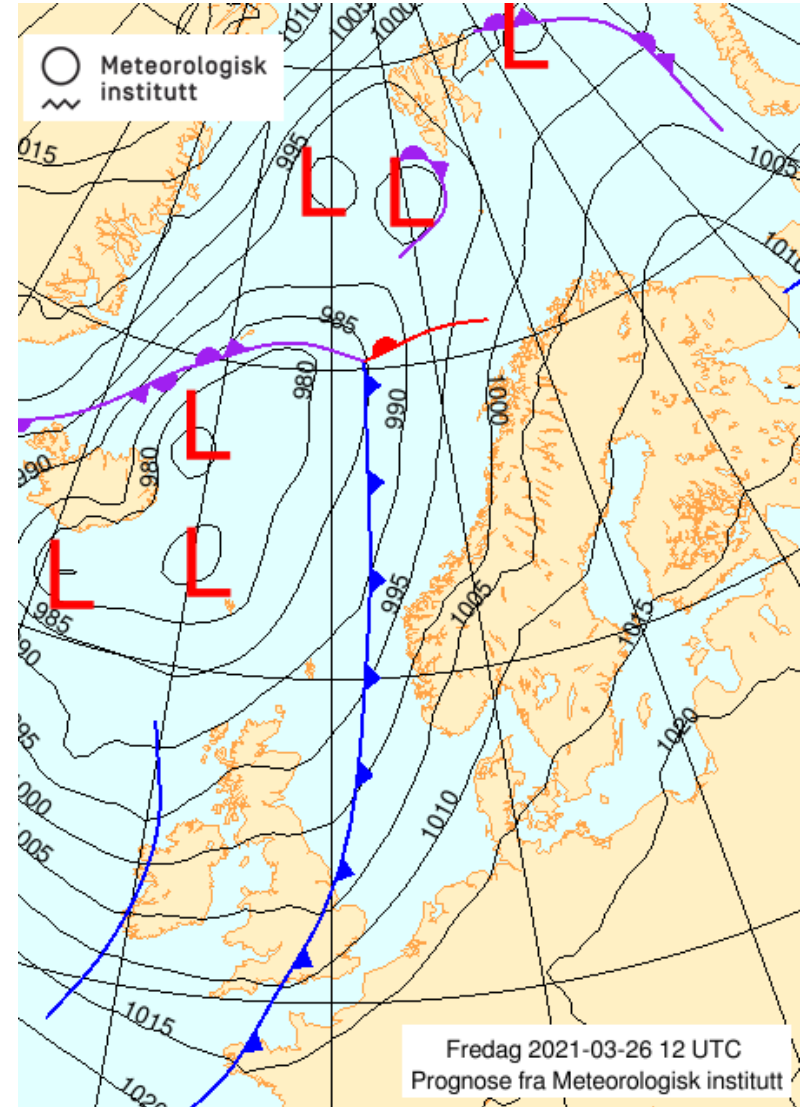
MSLP (ECMWF)



MSLP (ICON, Init: 25/03, 00Z)

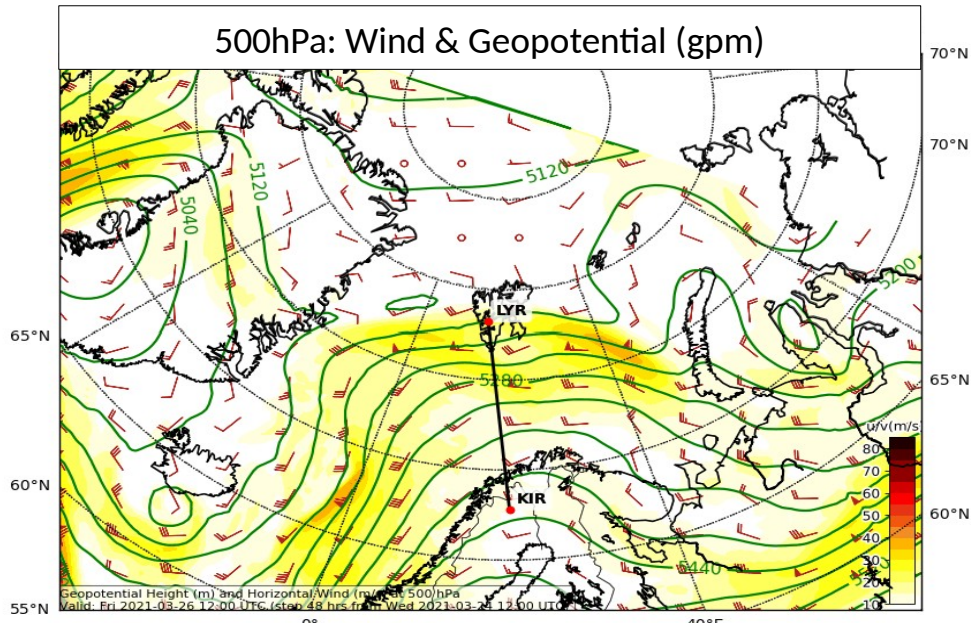


Forecasted surface analysis by NMI

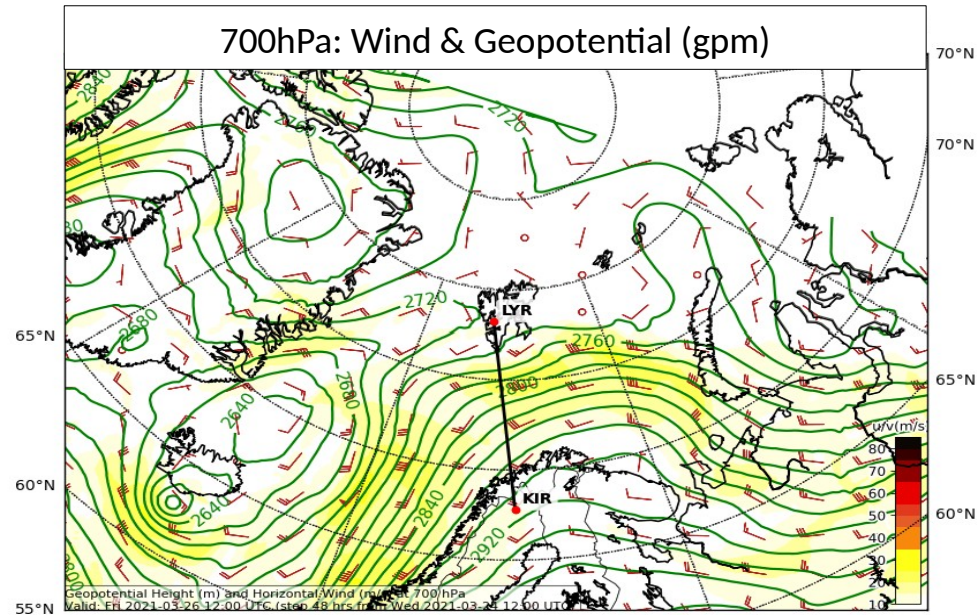


# Wind (ECMWF): Fri. 26/03, 12 UTC

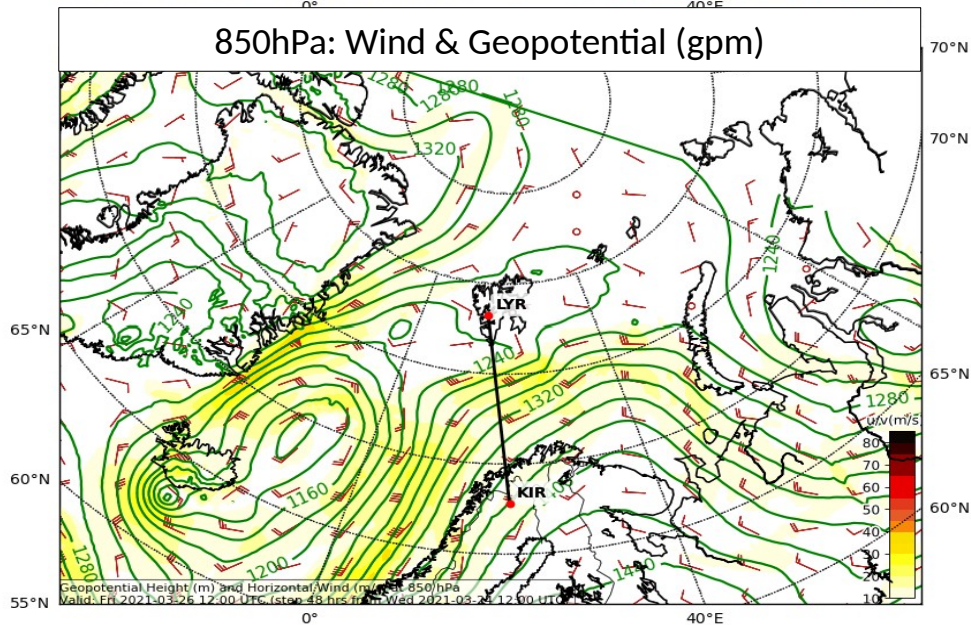
## 500hPa: Wind & Geopotential (gpm)



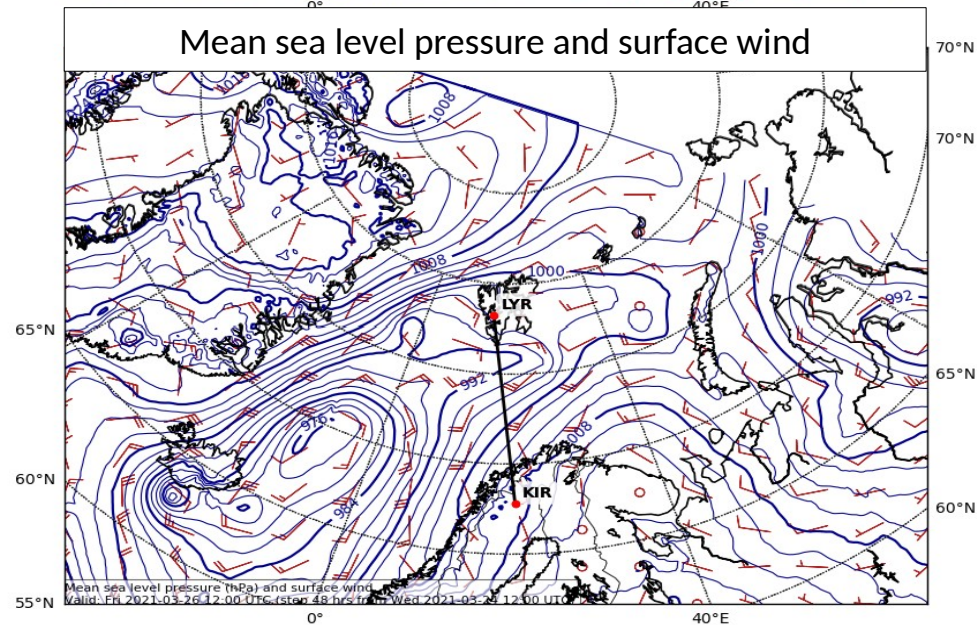
## 700hPa: Wind & Geopotential (gpm)



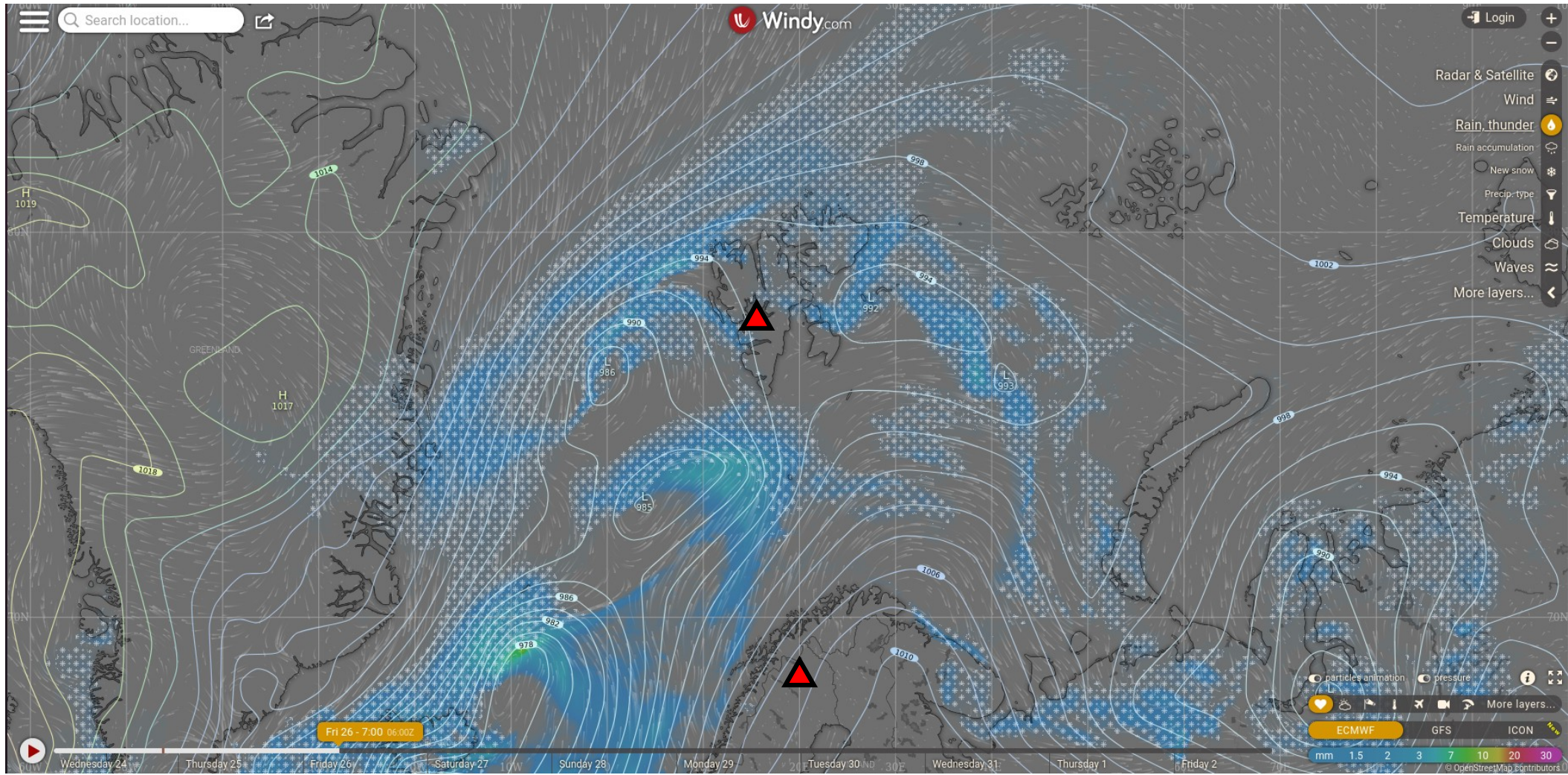
## 850hPa: Wind & Geopotential (gpm)



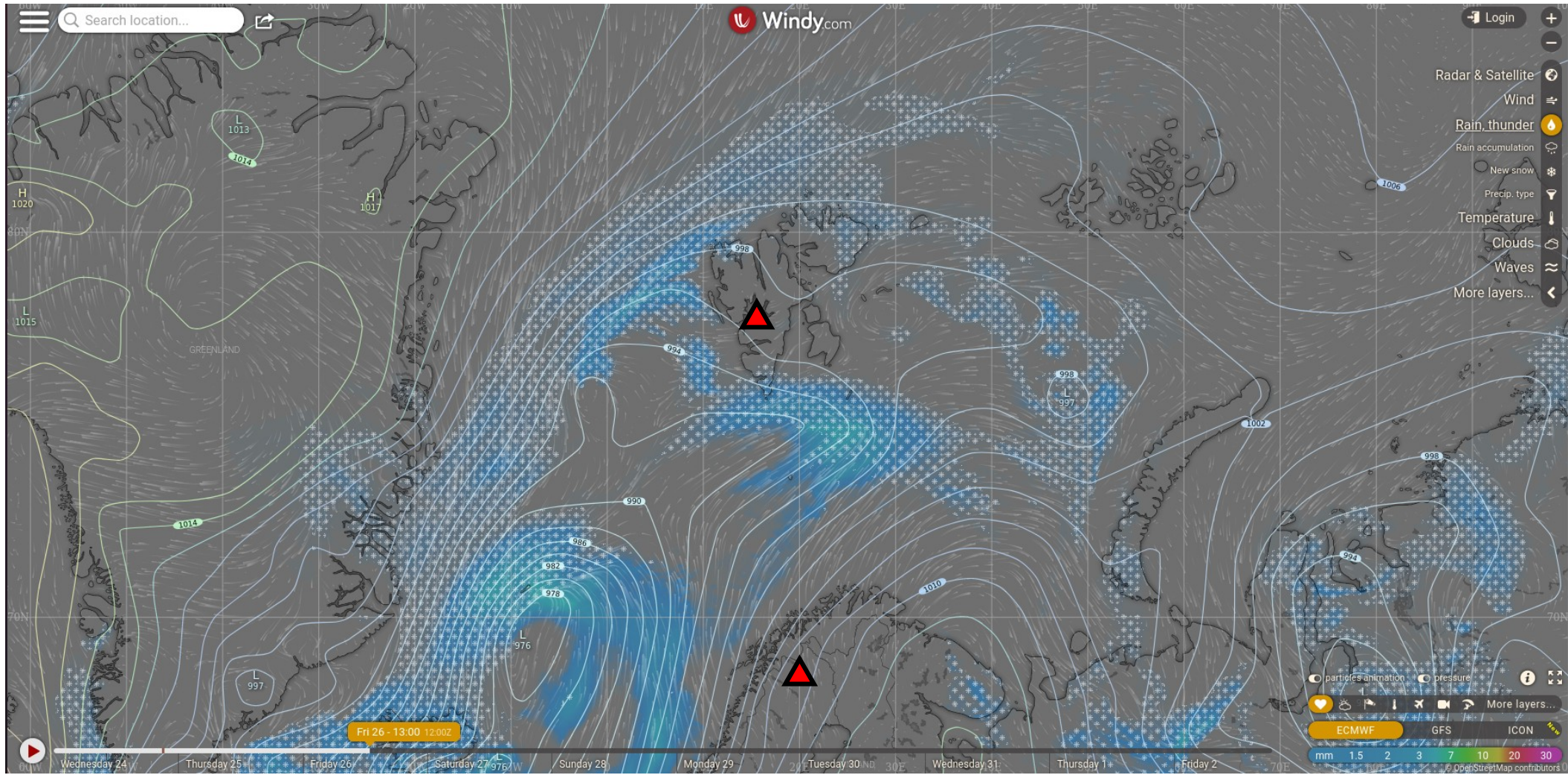
## Mean sea level pressure and surface wind



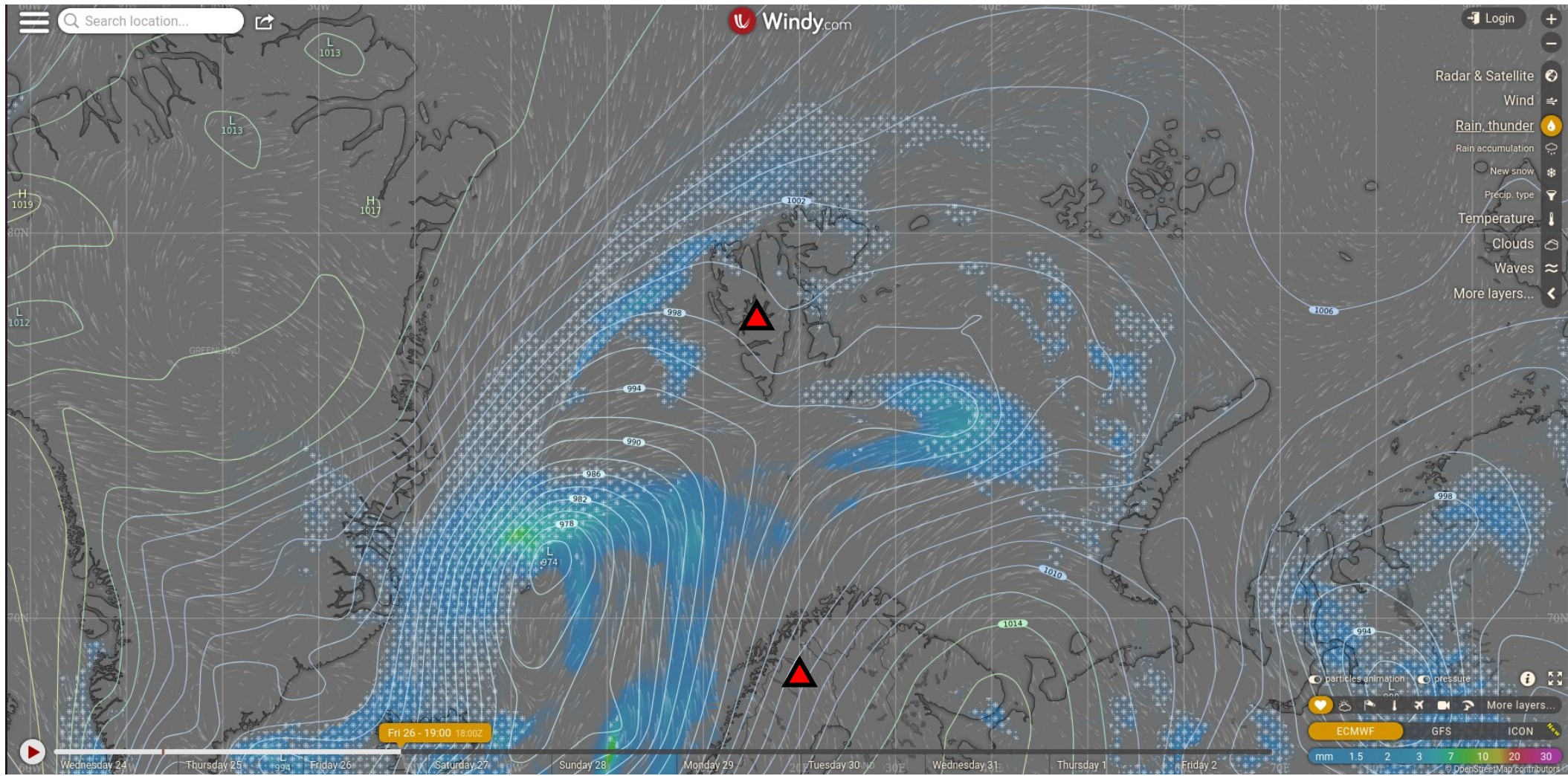
# Precipitation (ECMWF): Fri., 26/03, 06 UTC



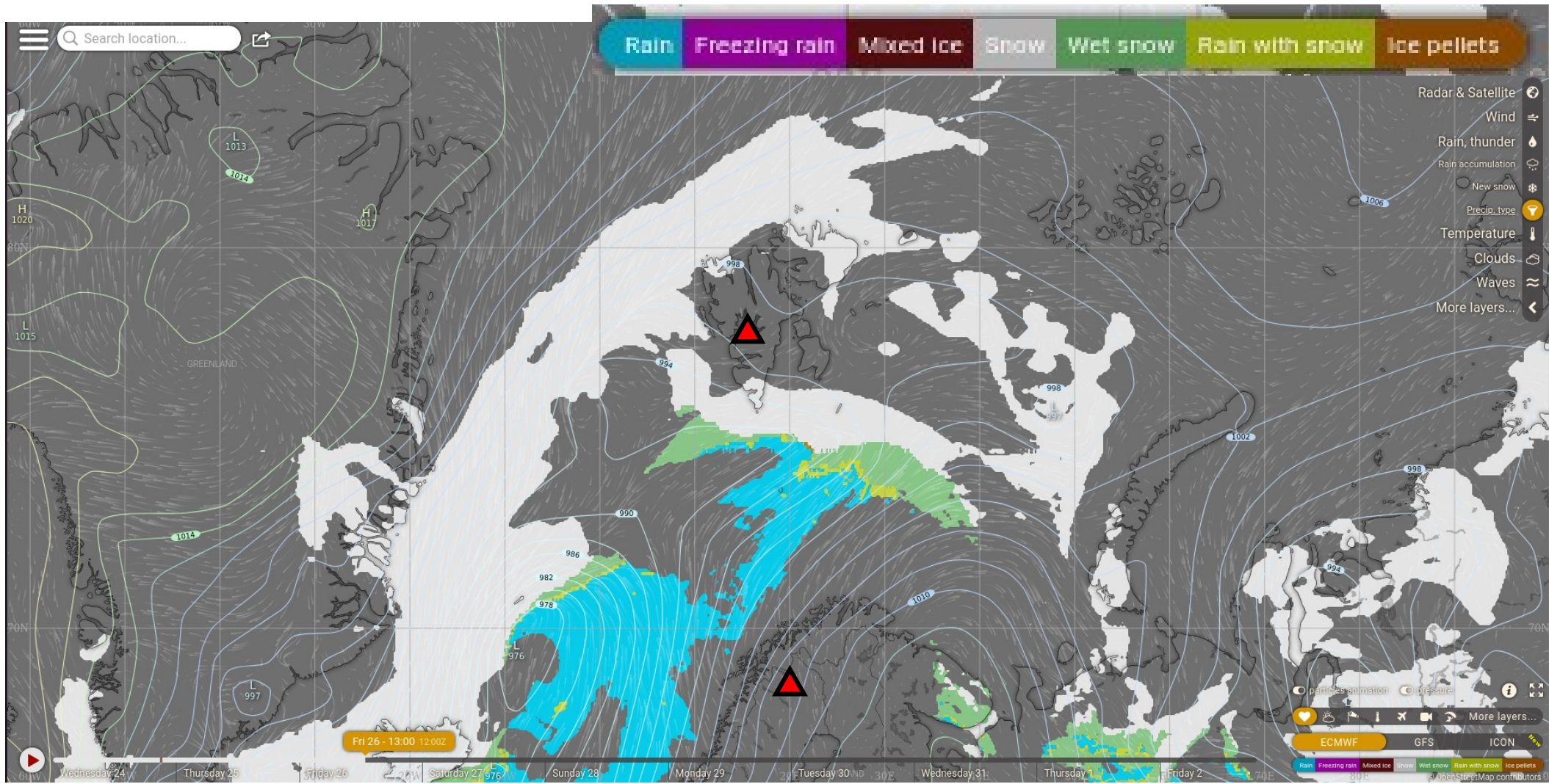
# Precipitation (ECMWF): Fri., 26/03, 12 UTC



# Precipitation (ECMWF): Fri., 26/03, 18 UTC

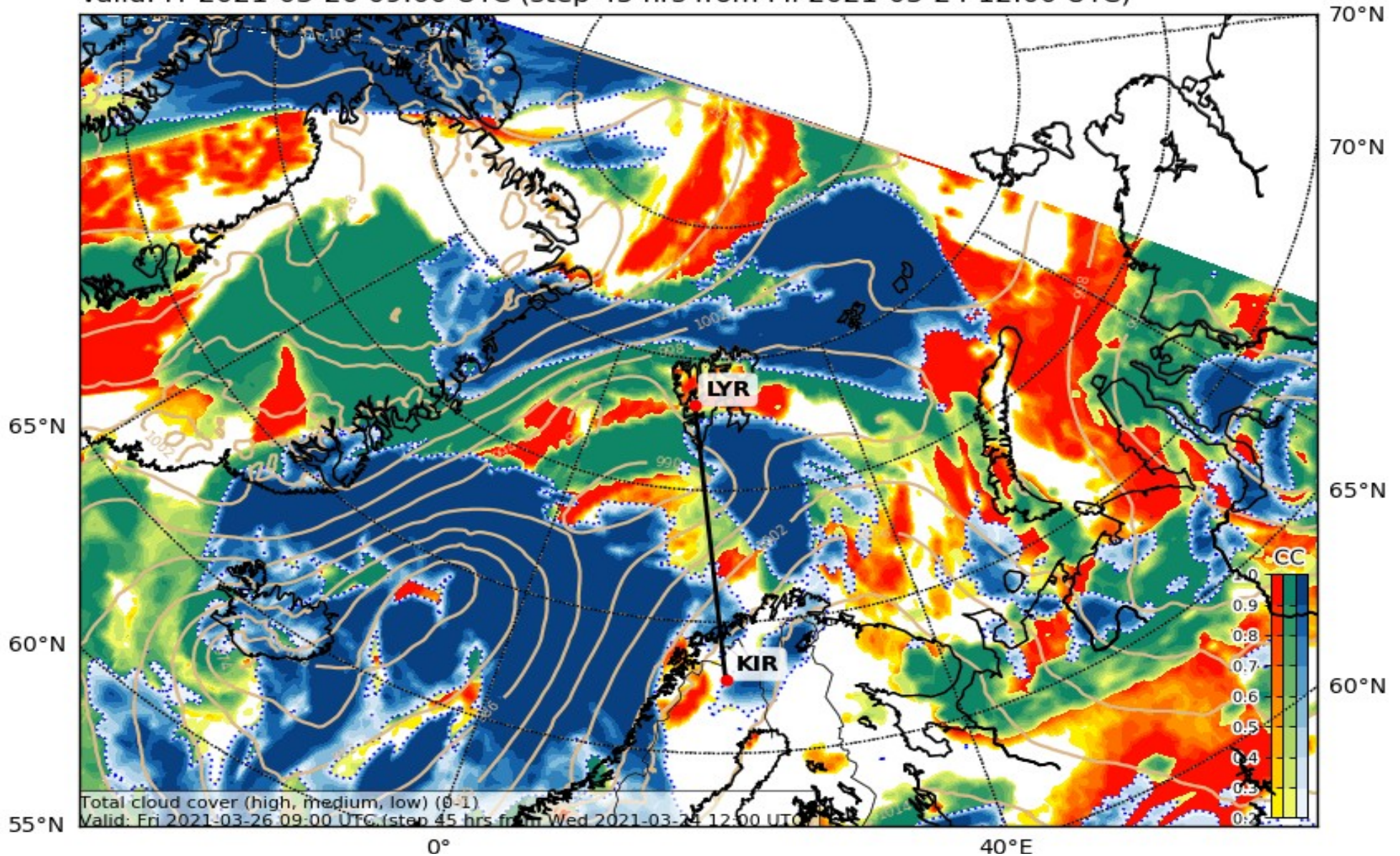


# Precipitation type (ECMWF): Fri., 26/03, 12 UTC



# Total cloud cover (ECMWF): Fri., 26/03, 09 UTC

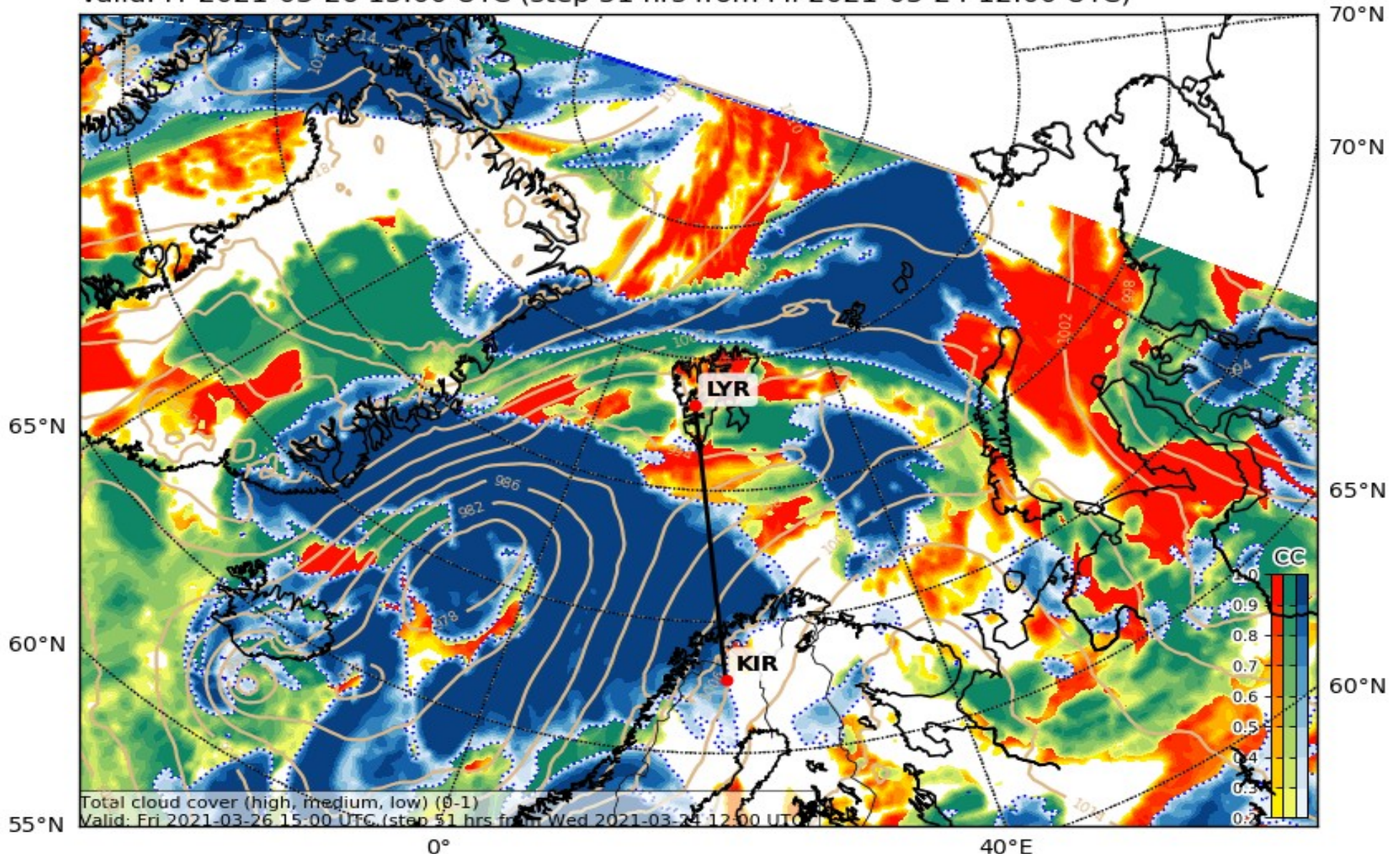
Valid: Fr 2021-03-26 09:00 UTC (step 45 hrs from MI 2021-03-24 12:00 UTC)



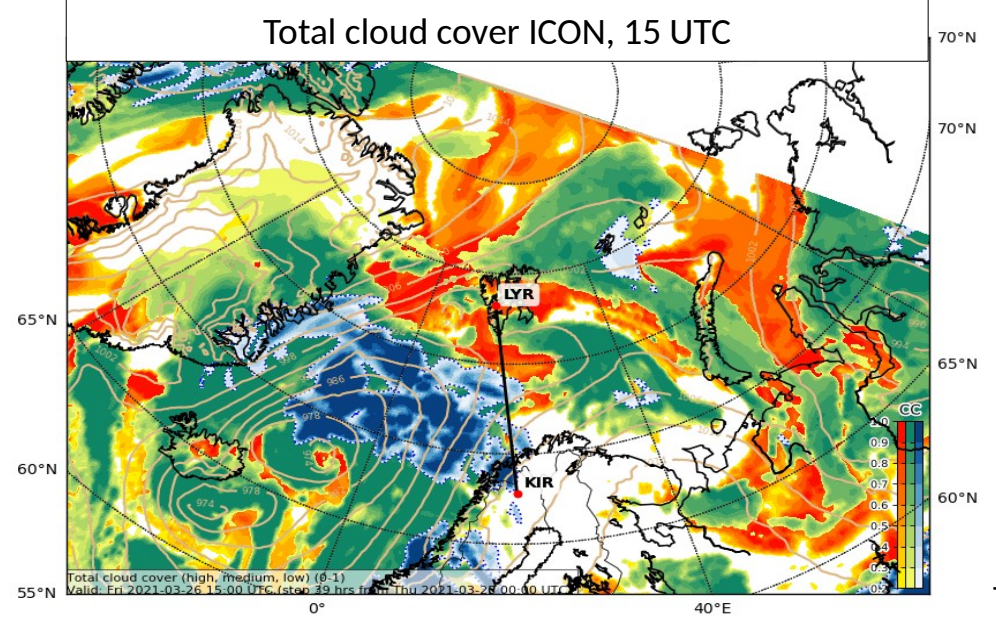
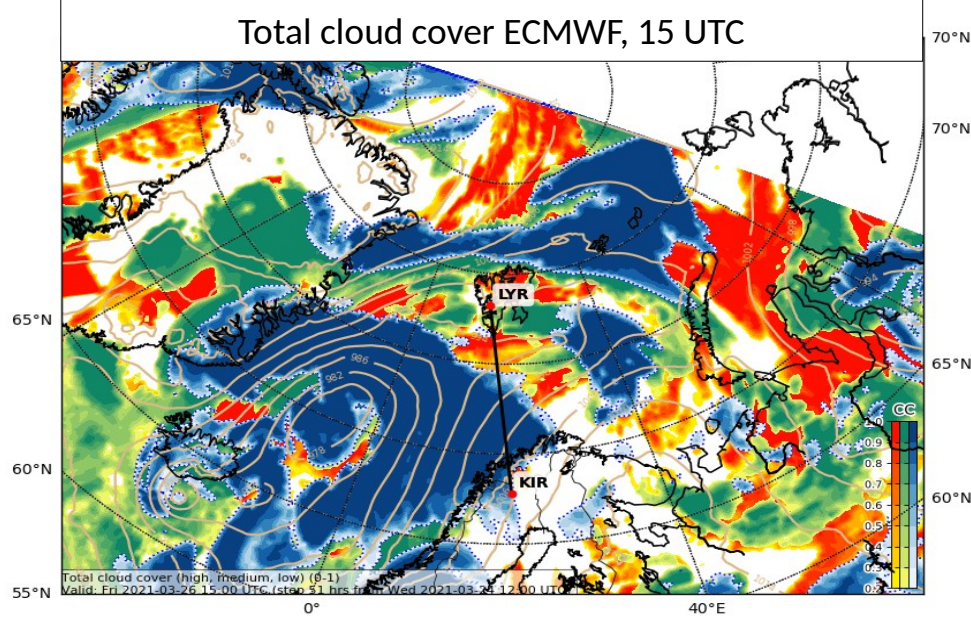
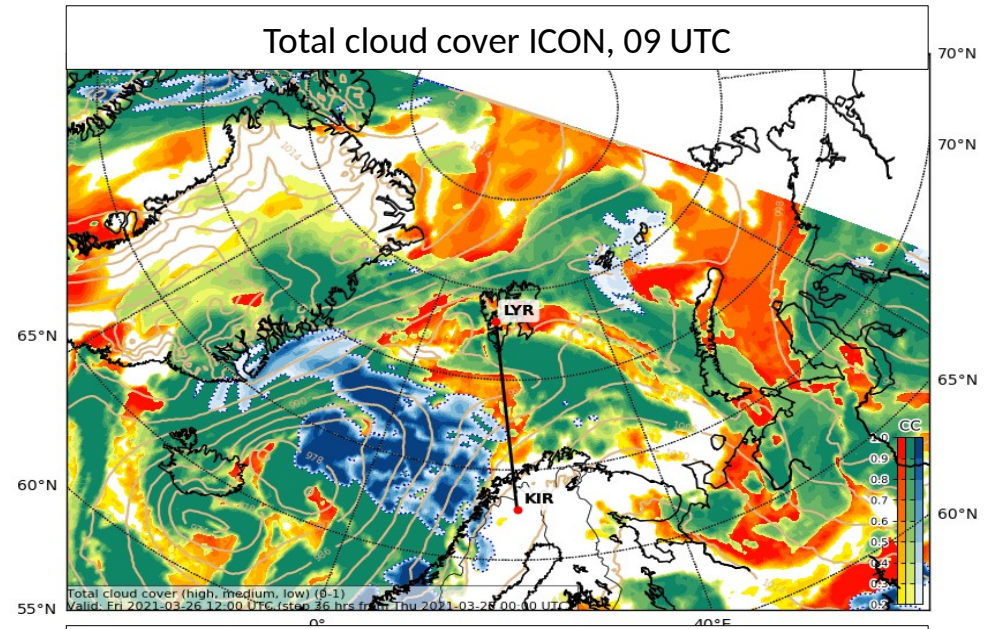
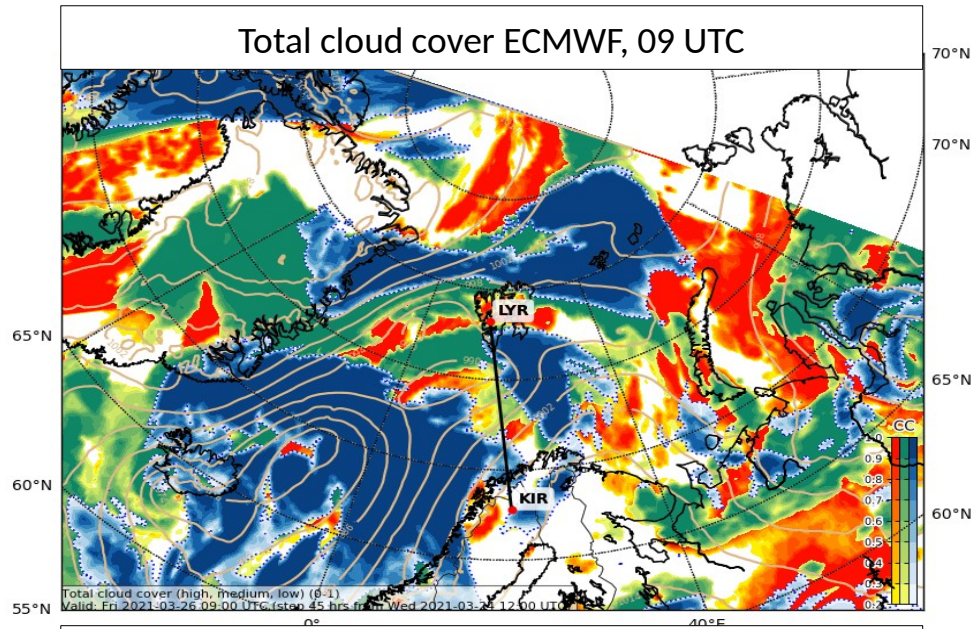


# Total cloud cover (ECMWF): Fri., 26/03, 15 UTC

Valid: Fr 2021-03-26 15:00 UTC (step 51 hrs from MI 2021-03-24 12:00 UTC)

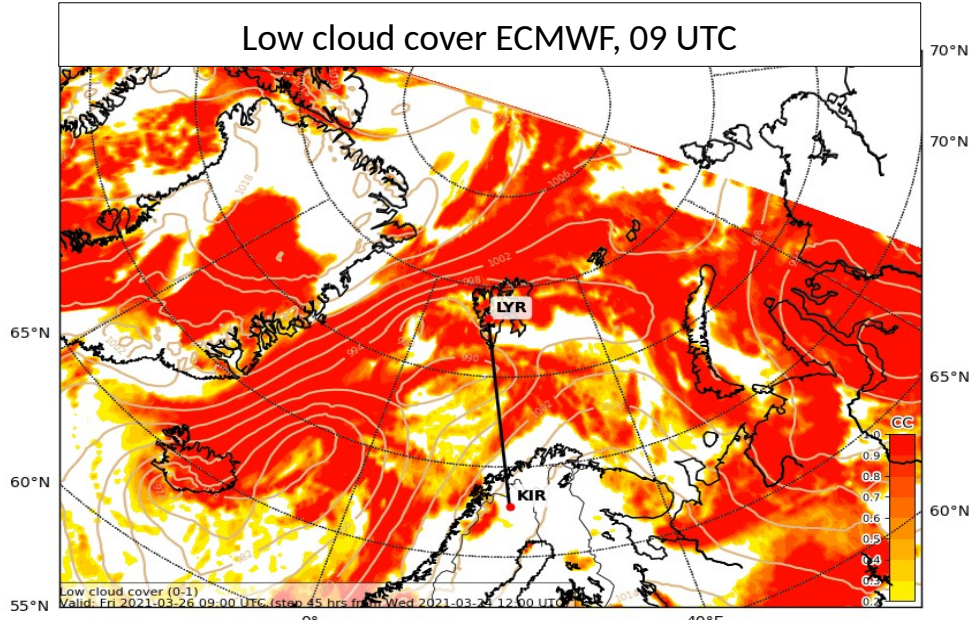


# Cloud cover (ECMWF & ICON): Fri. 26/03, 09 & 15 UTC

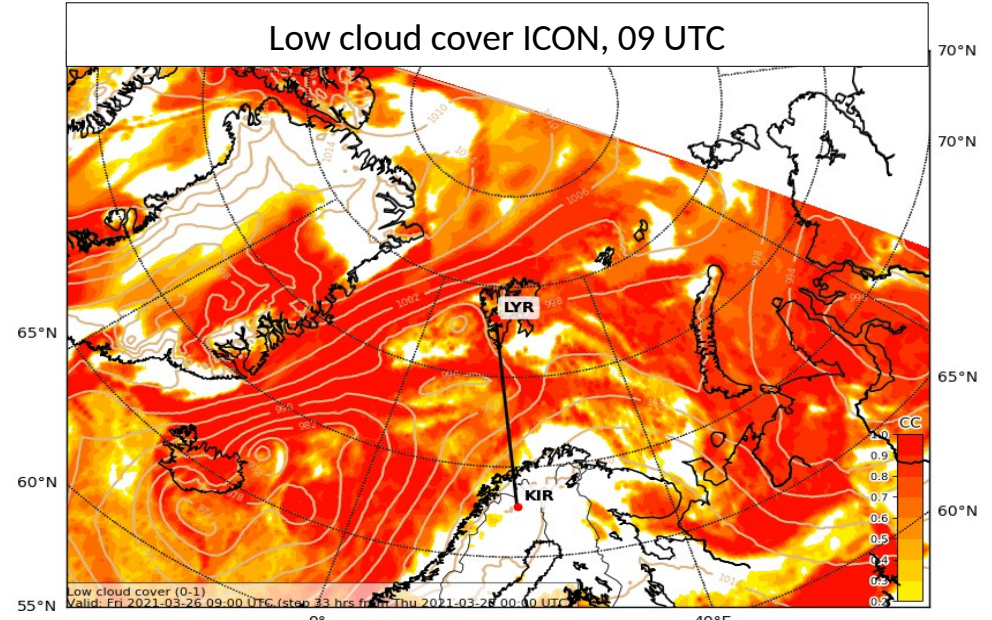


# Low cloud cover (ECMWF & ICON): Fri. 26/03, 09 & 15 UTC

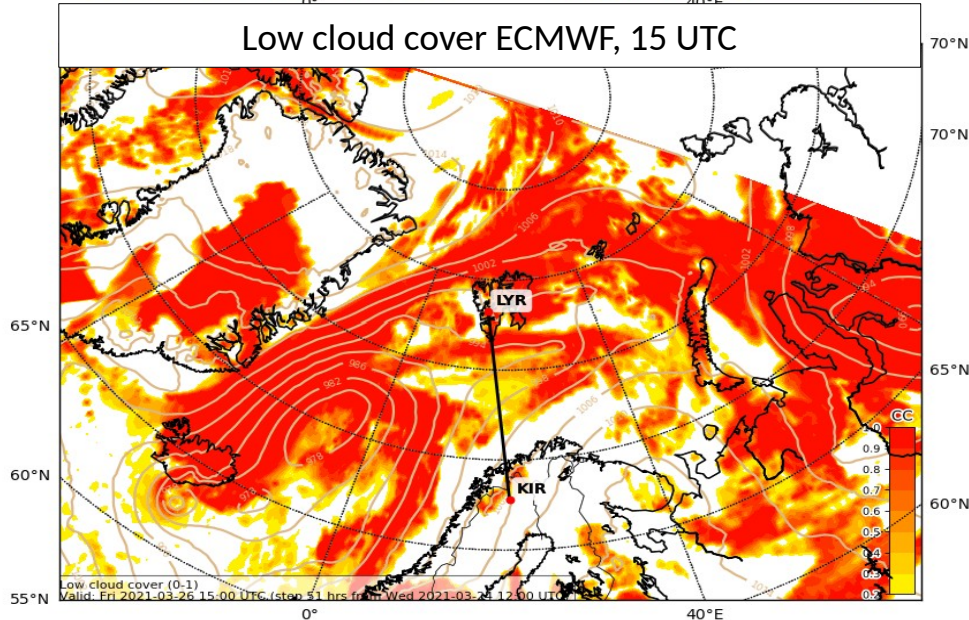
## Low cloud cover ECMWF, 09 UTC



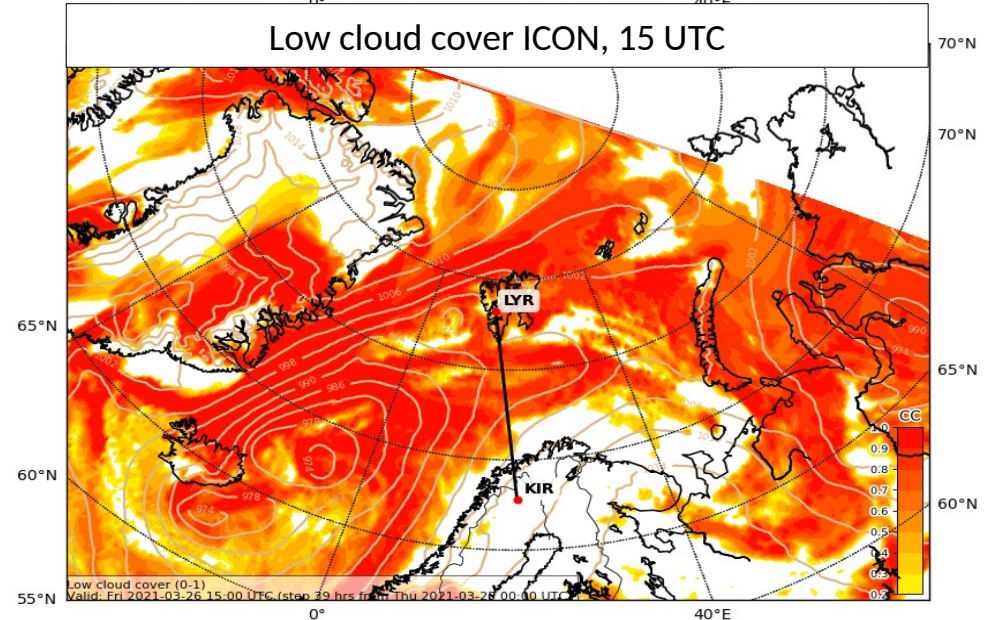
## Low cloud cover ICON, 09 UTC



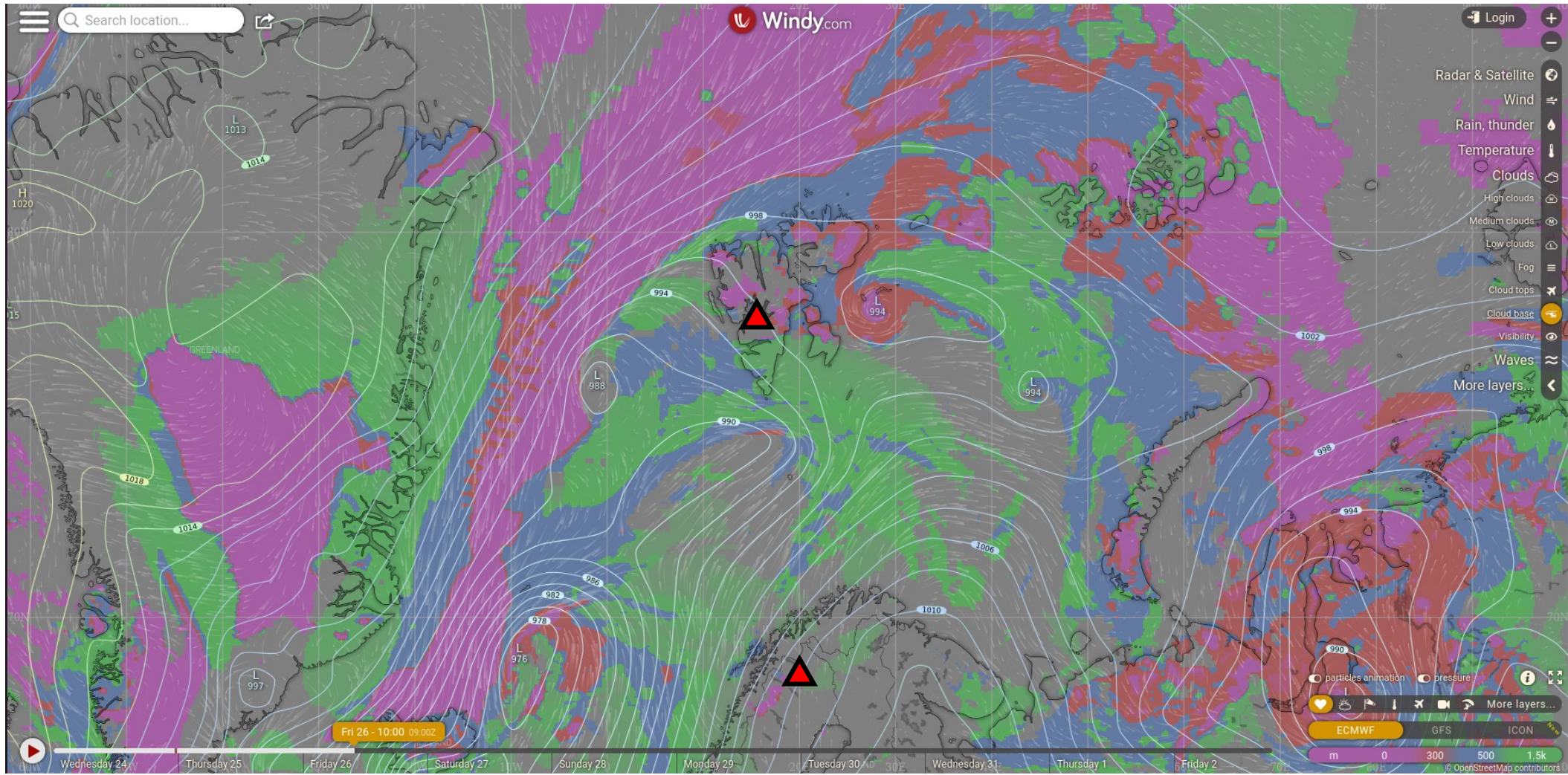
## Low cloud cover ECMWF, 15 UTC



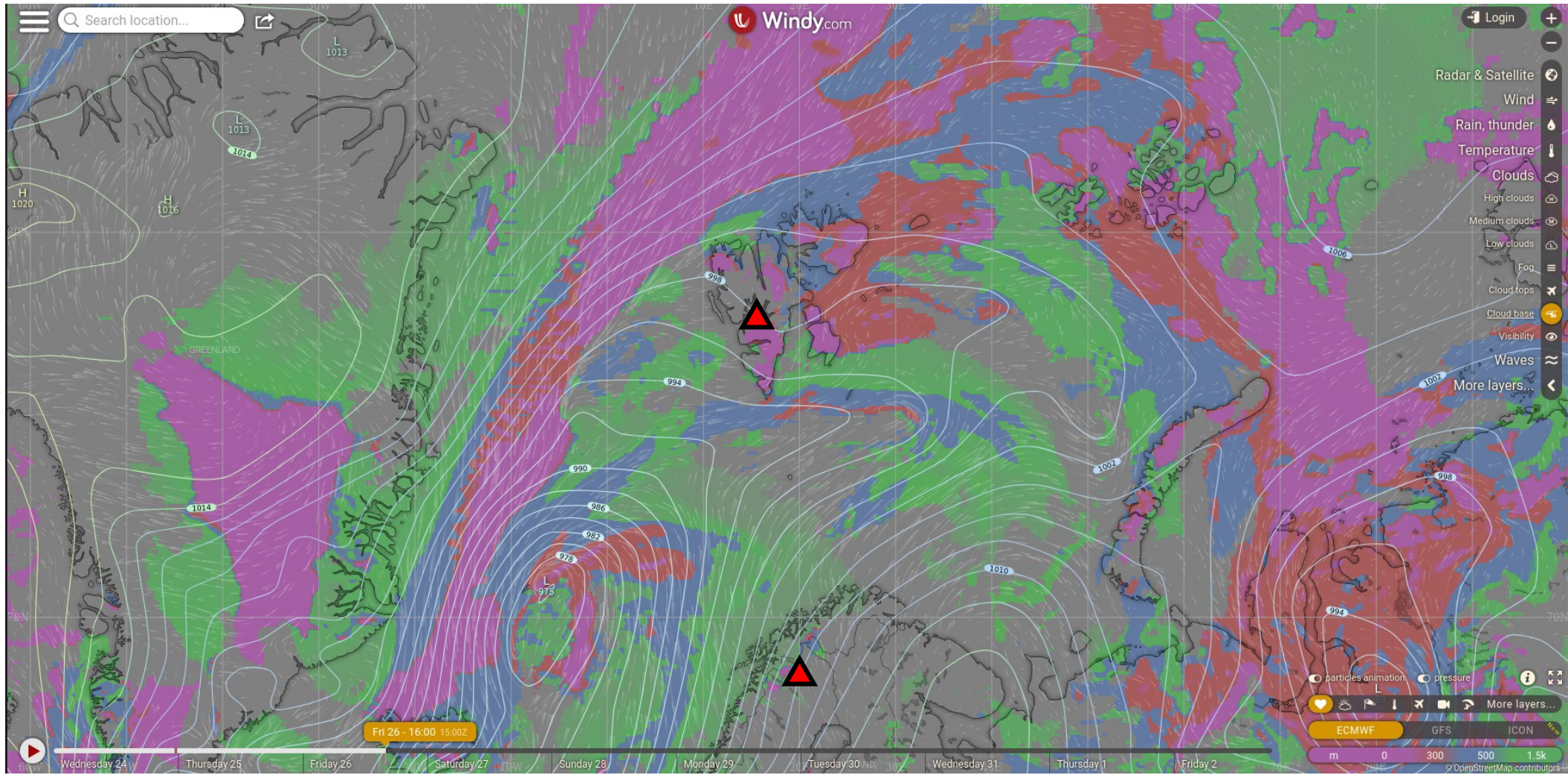
## Low cloud cover ICON, 15 UTC



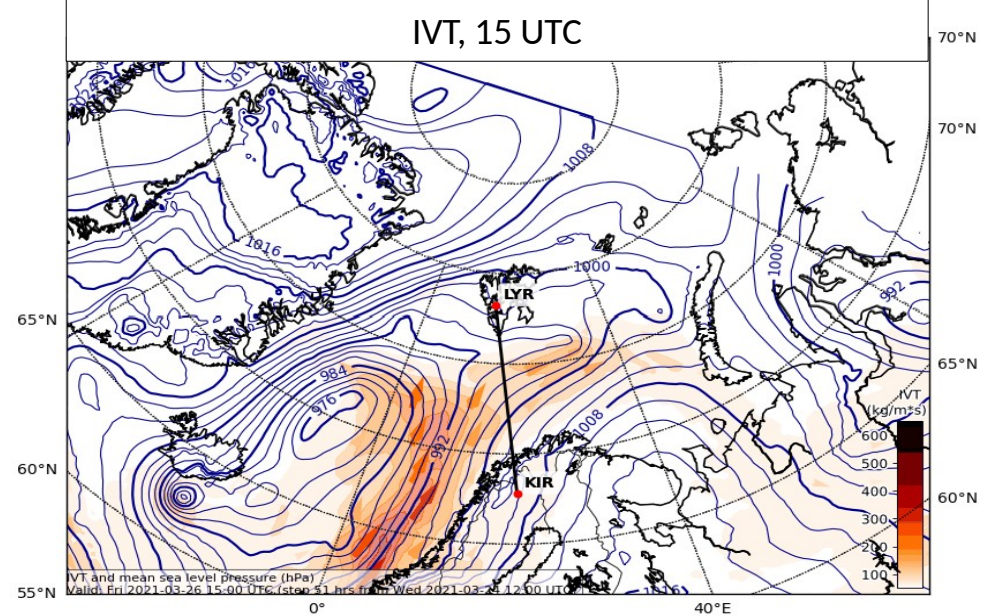
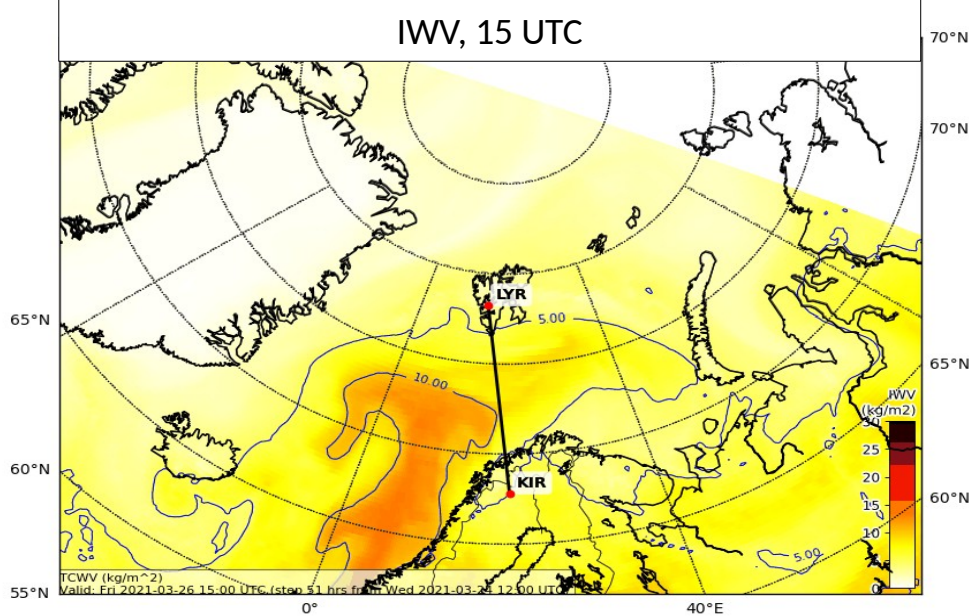
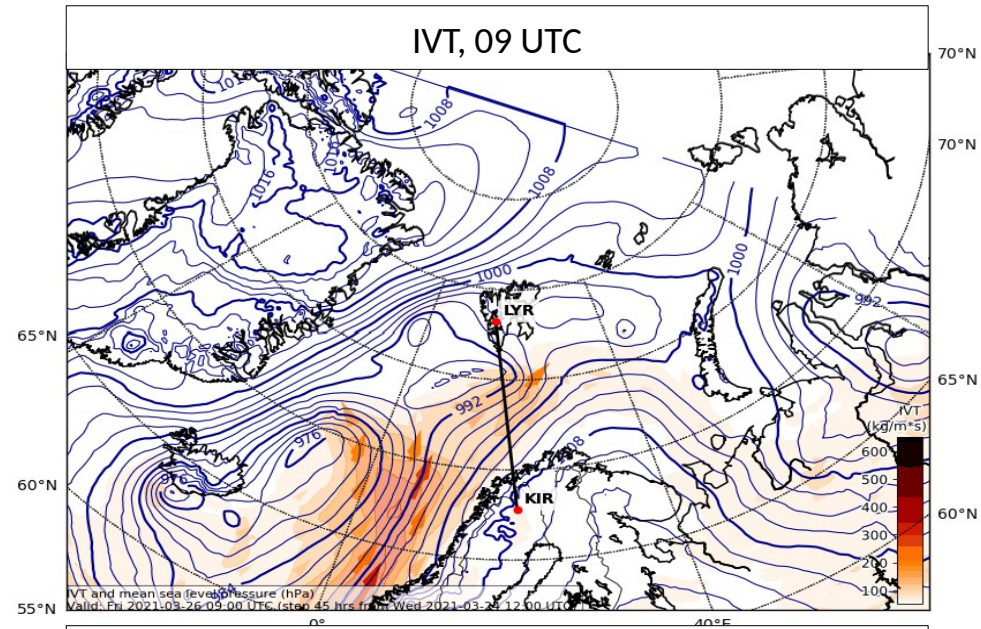
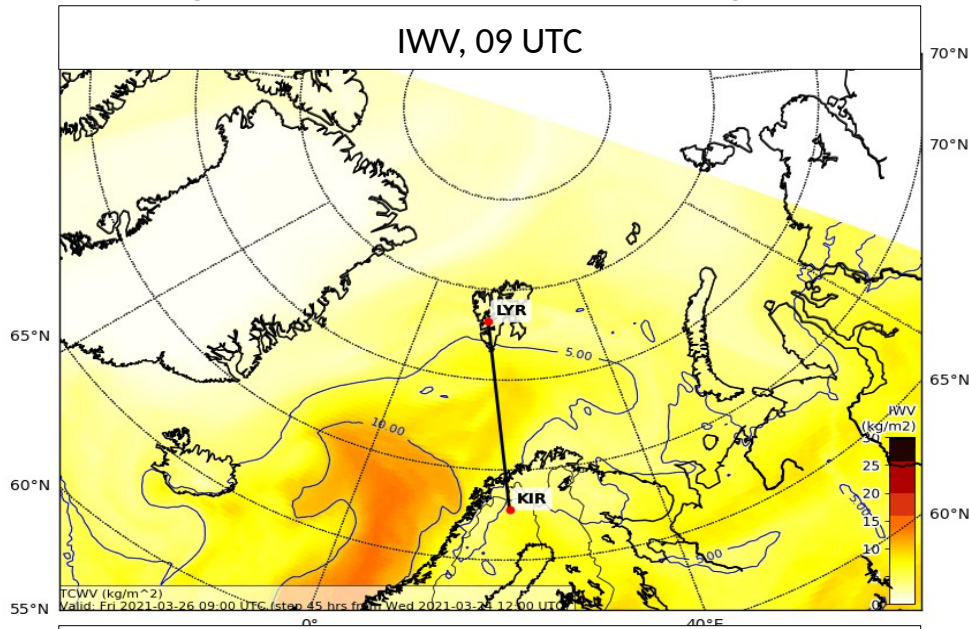
# Cloud base (ECMWF): Fri., 26/03, 09 UTC



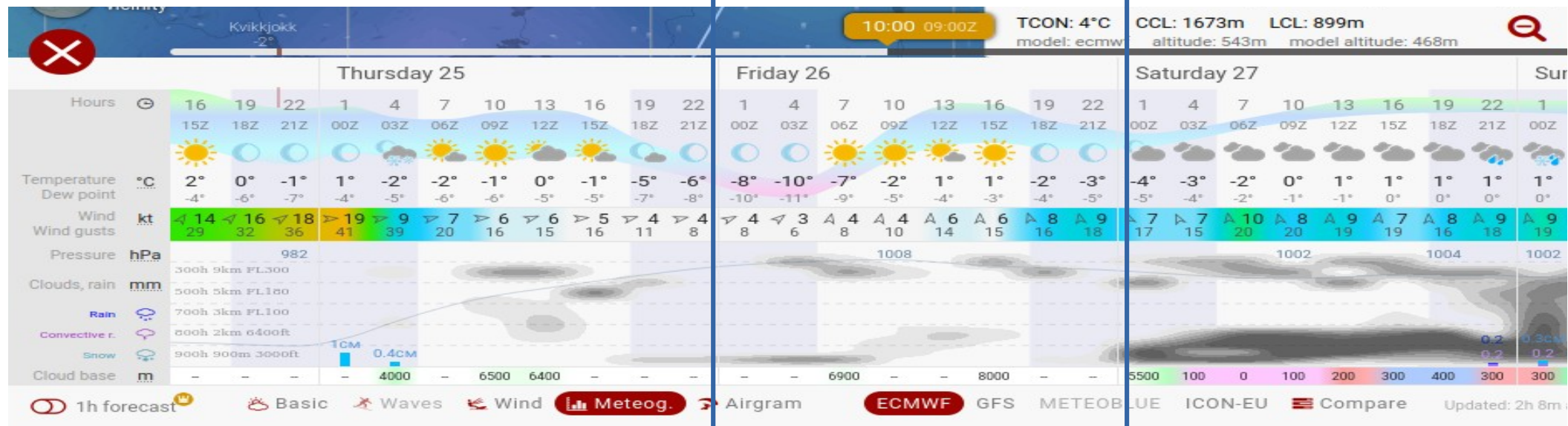
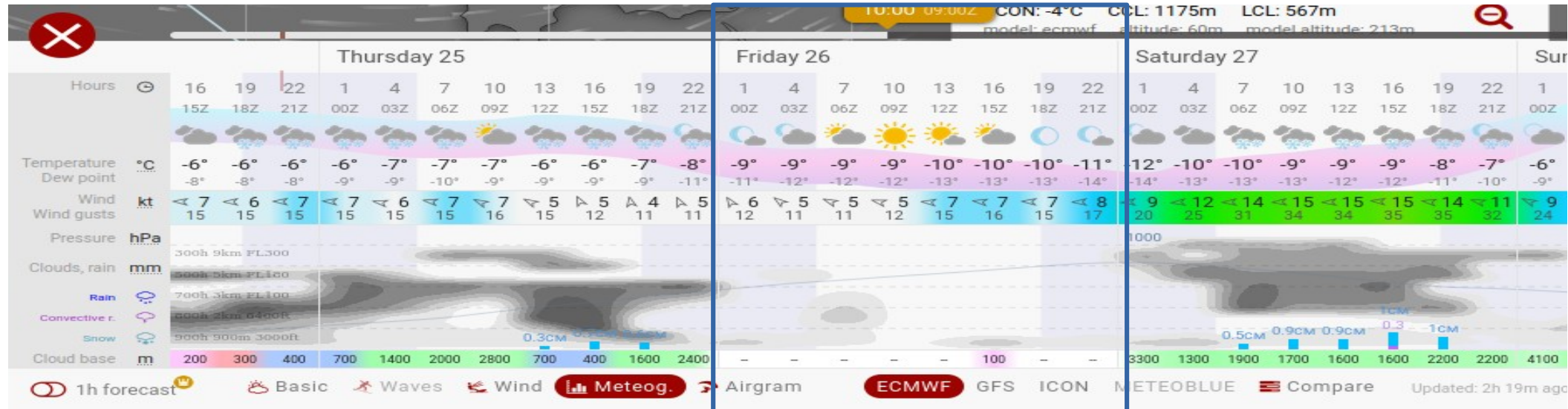
# Cloud base (ECMWF): Fri., 26/03, 15 UTC



# Integrated water vapour & integrated vapour transport (ECMWF): Fri. 26/03, 09 & 15 UTC



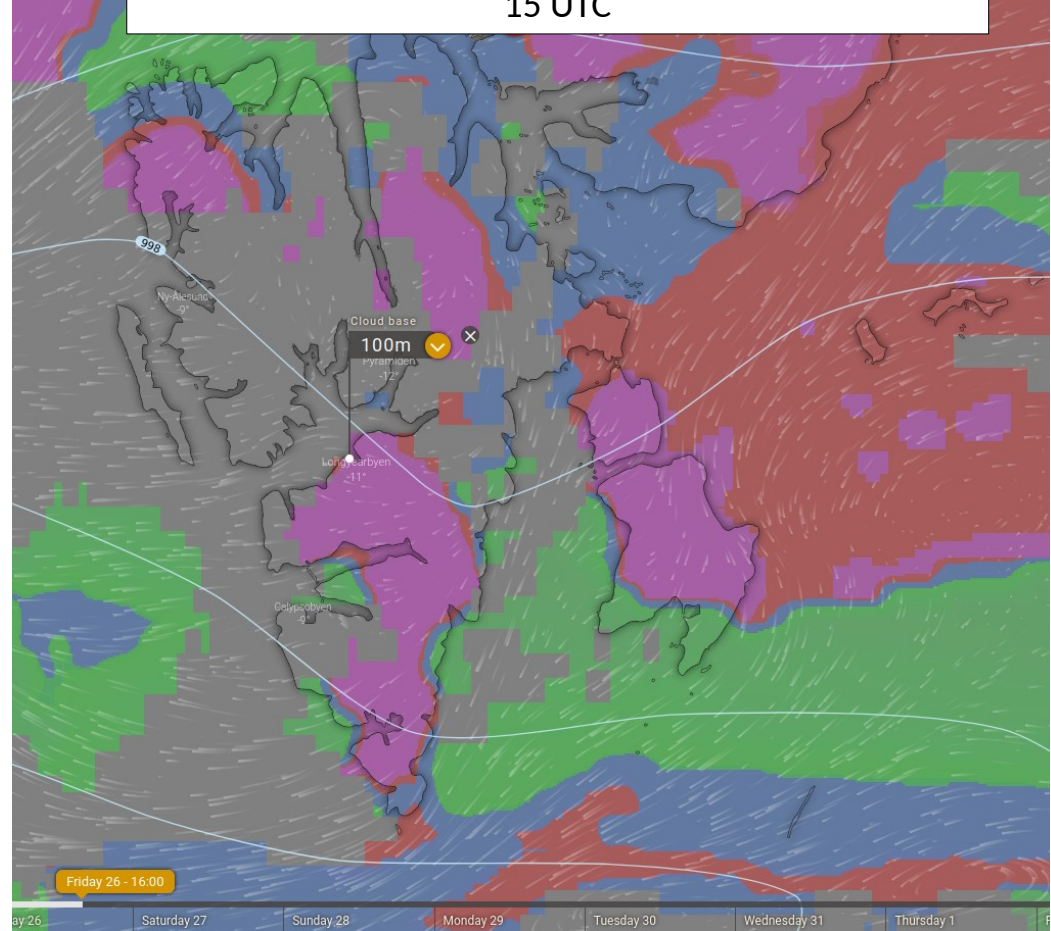
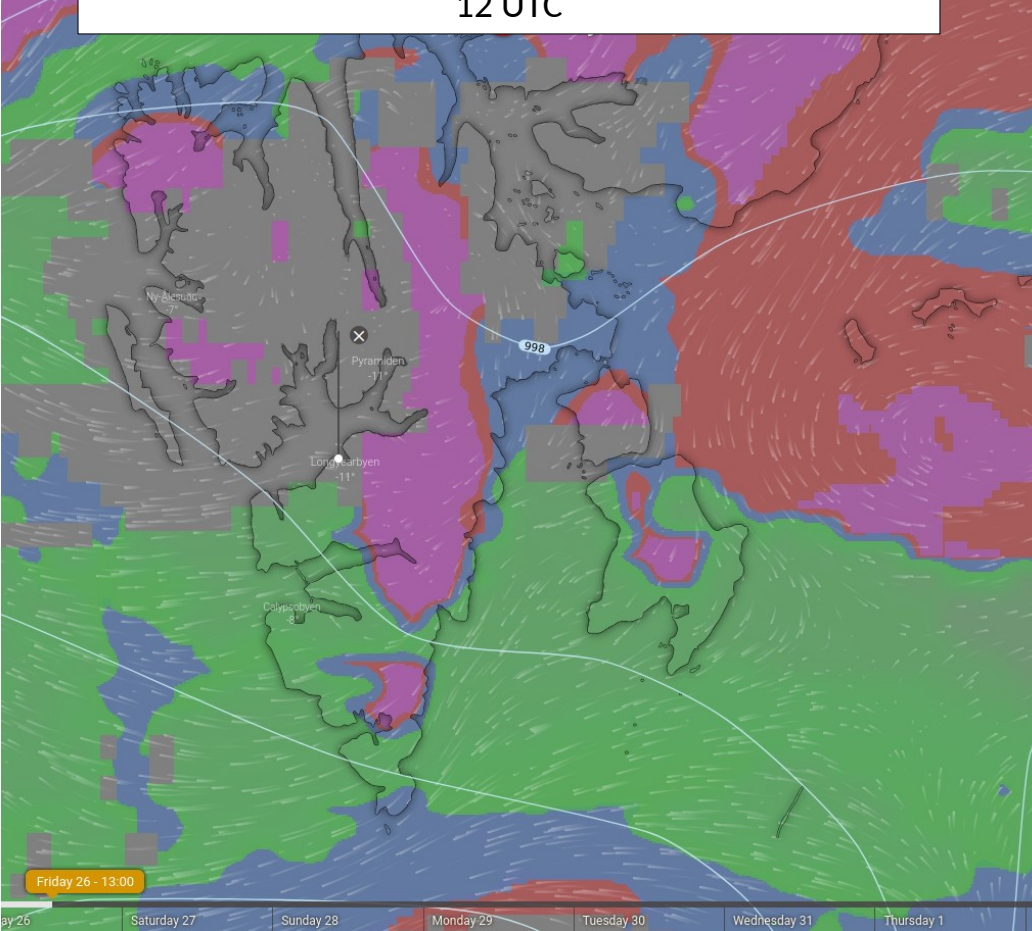
# Meteograms LYR (top) and Kiruna (bottom)



# Cloud base (ECMWF): Fri., 26/03, 12 & 15 UTC

12 UTC

15 UTC





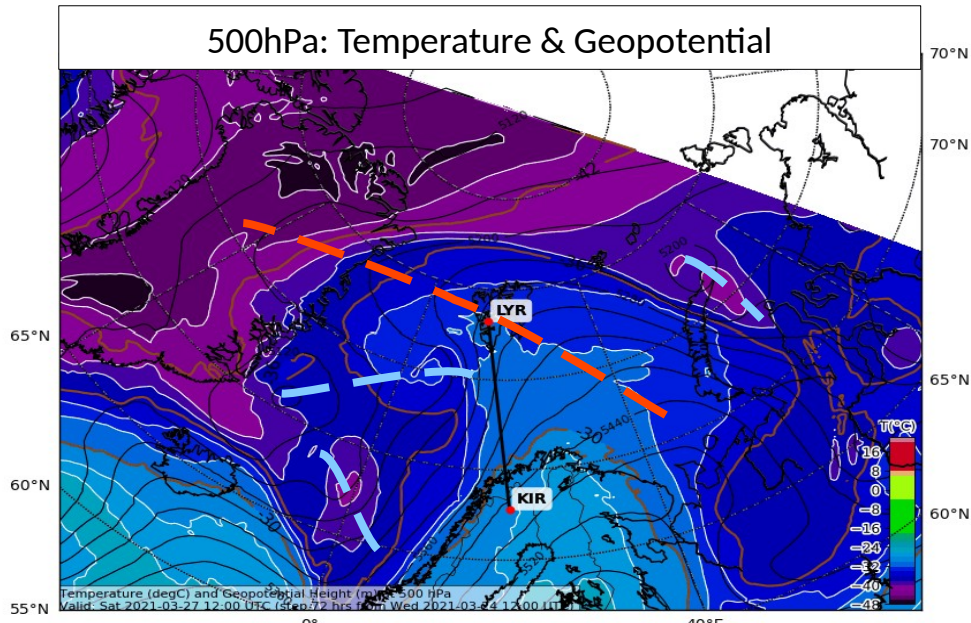
## Summary

- Remnants of occlusion still present near Svalbard, including several weak low pressure systems, and still causing some precipitation around the island
- Further lows approach Svalbard from southwest, associated with warm air advection
- Different types of precipitation in weakening low south/southeast of Svalbard
- Low-level cloud base over sea ice northwest of Svalbard probably close to/at the surface
- Multi-layered clouds associated with warm air advection from Southwest

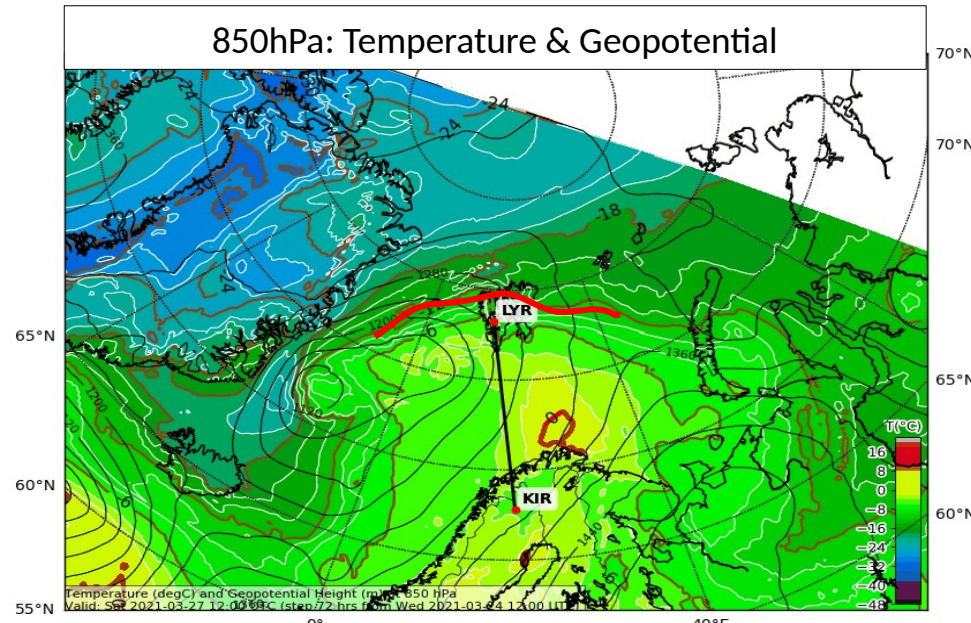
Saturday, 27 March 2021

# General weather situation (ECMWF): Sat. 27/03, 12 UTC

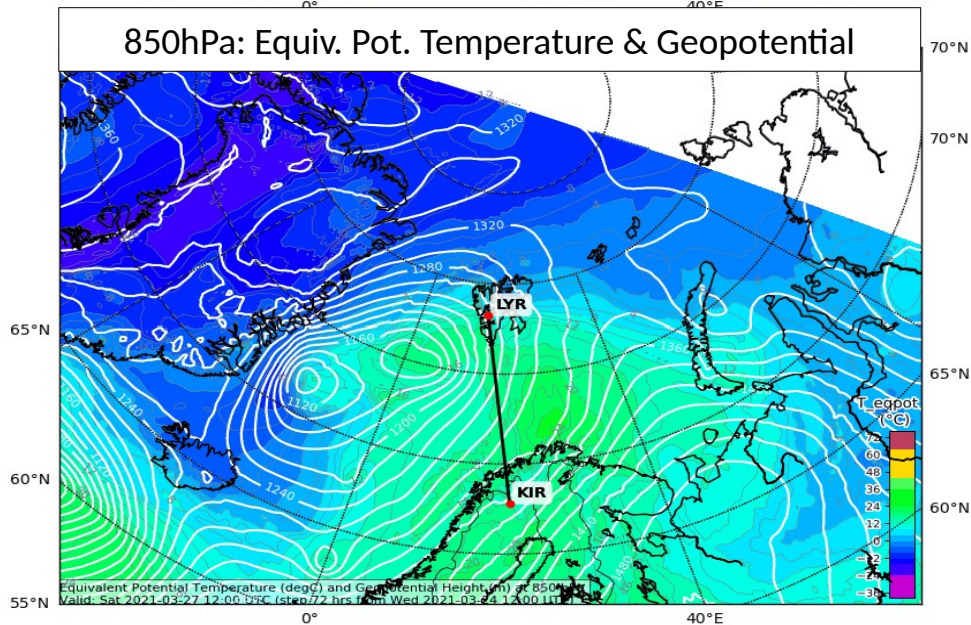
## 500hPa: Temperature & Geopotential



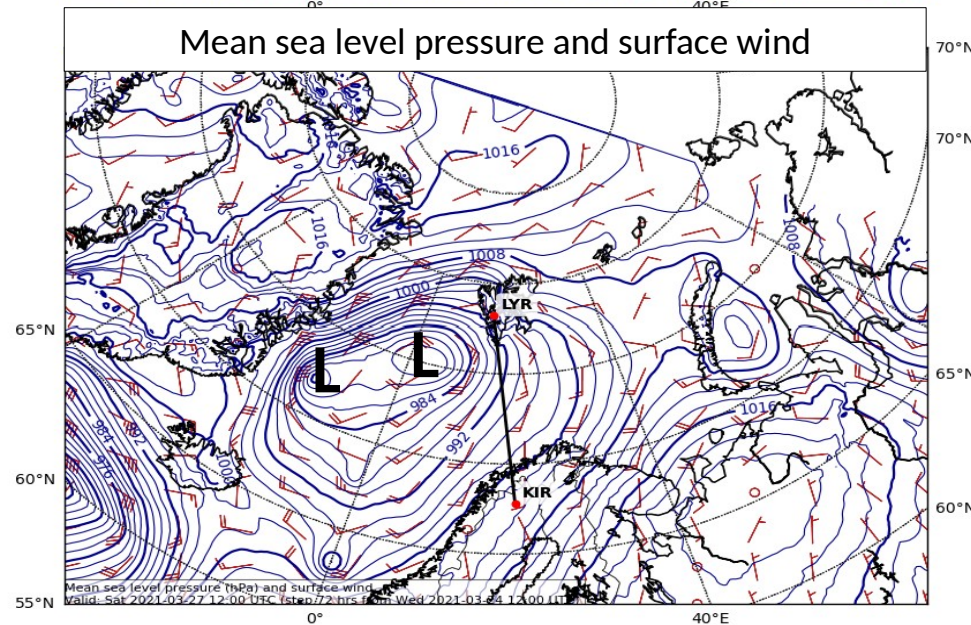
## 850hPa: Temperature & Geopotential



## 850hPa: Equiv. Pot. Temperature & Geopotential



## Mean sea level pressure and surface wind

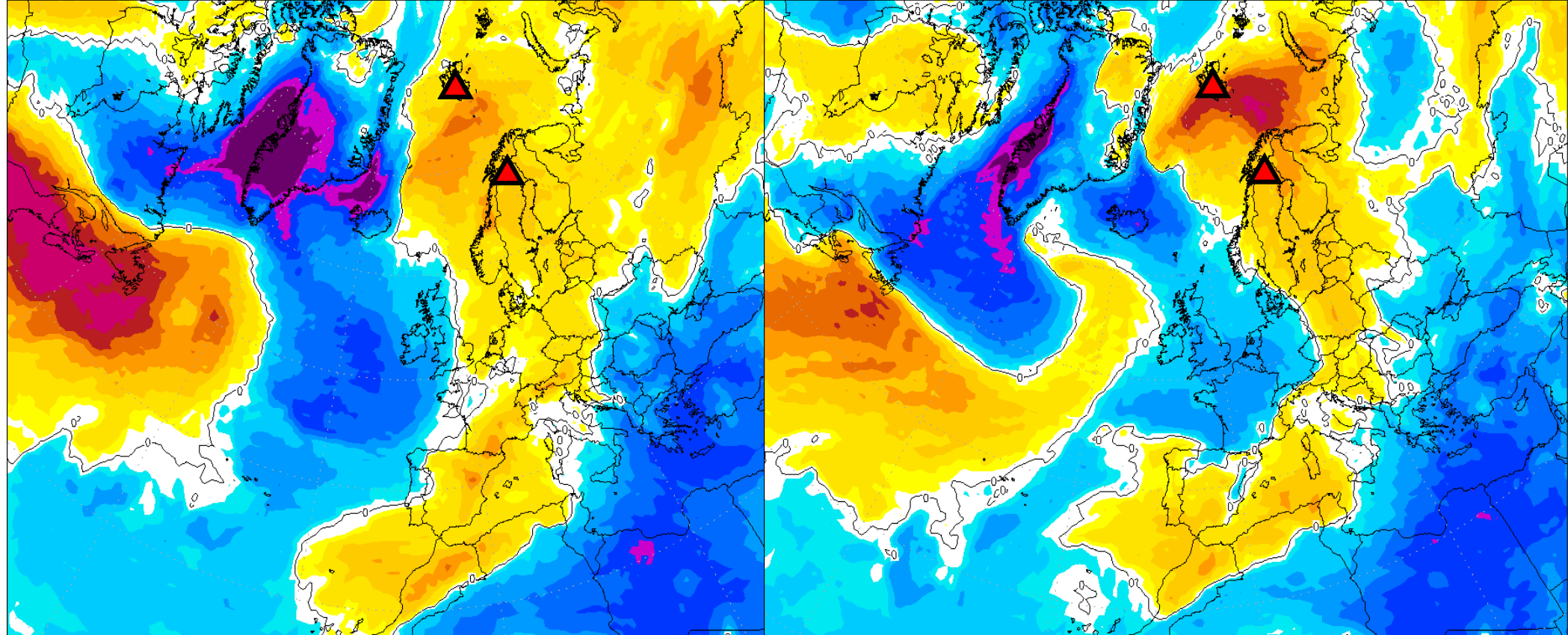


# Temperature anomaly (K) from ECMWF

T-Anomaly 850hPa: Fri, 26/03, 12 UTC

T-Anomaly 850hPa: Sat, 27/03, 12 UTC

Init: Wed,24MAR2021 12Z850 hPa Temp-Abw (K) vom 30J-Mittel 1981-2010Valid: Fri,26MAR2021 12Z  
Init: Wed,24MAR2021 12Z850 hPa Temp-Abw (K) vom 30J-Mittel 1981-2010Valid: Sat,27MAR2021 12Z



Data: ECMWF OPERATIONAL 0.500°  
(C) Wetterzentrale  
www.wetterzentrale.de

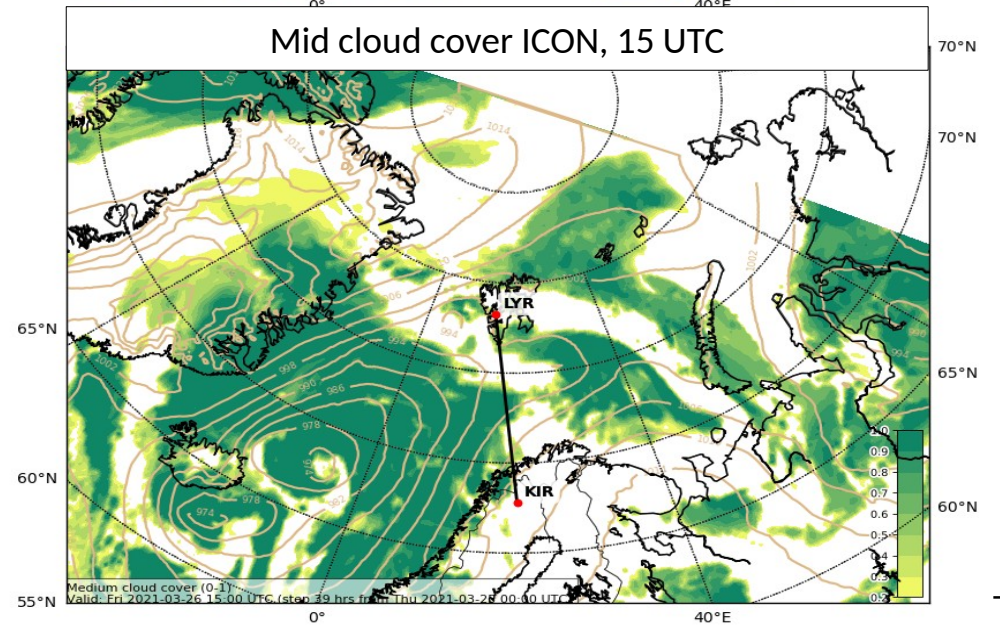
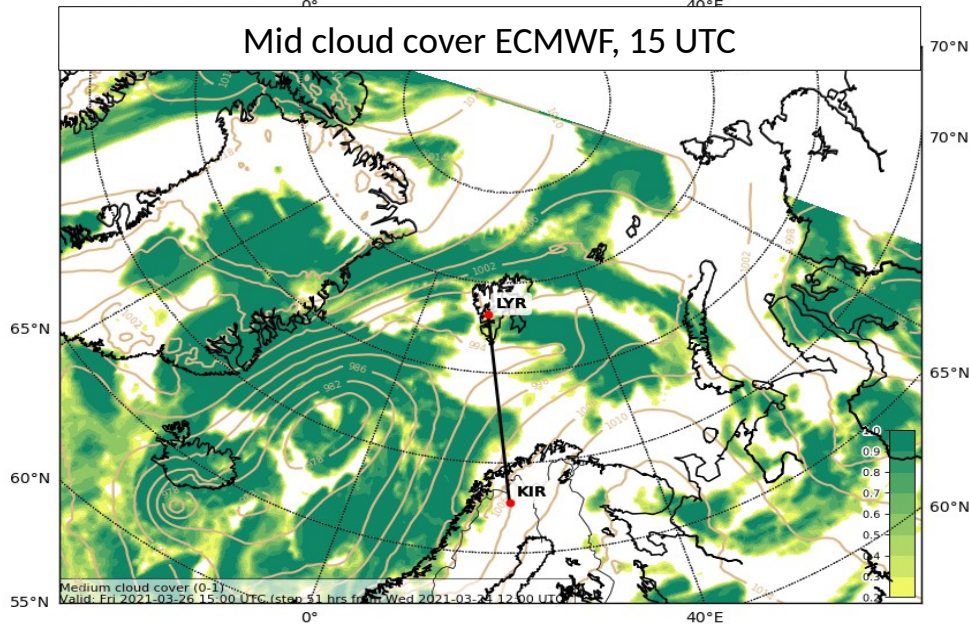
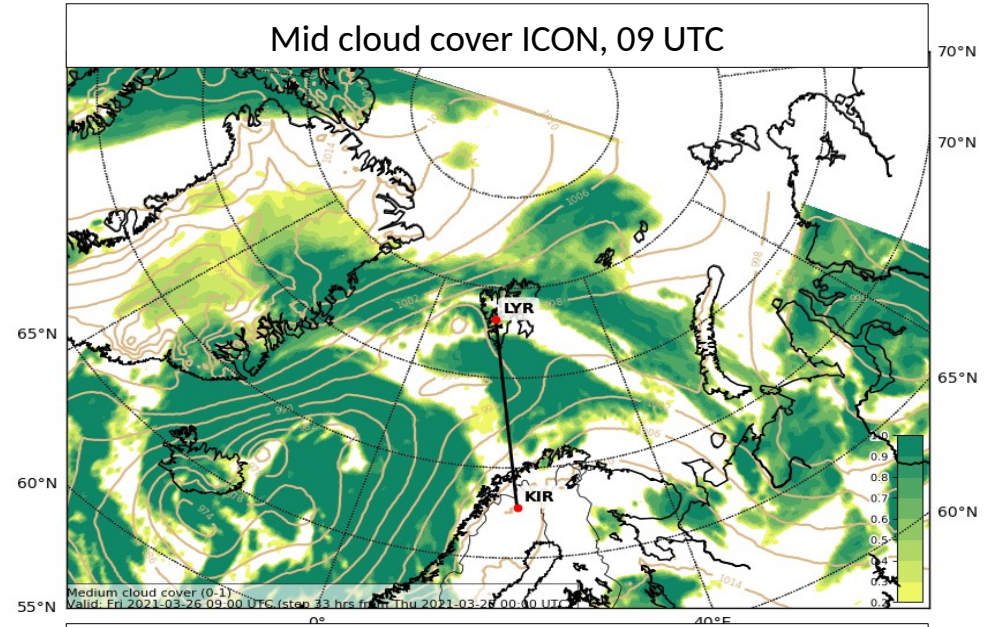
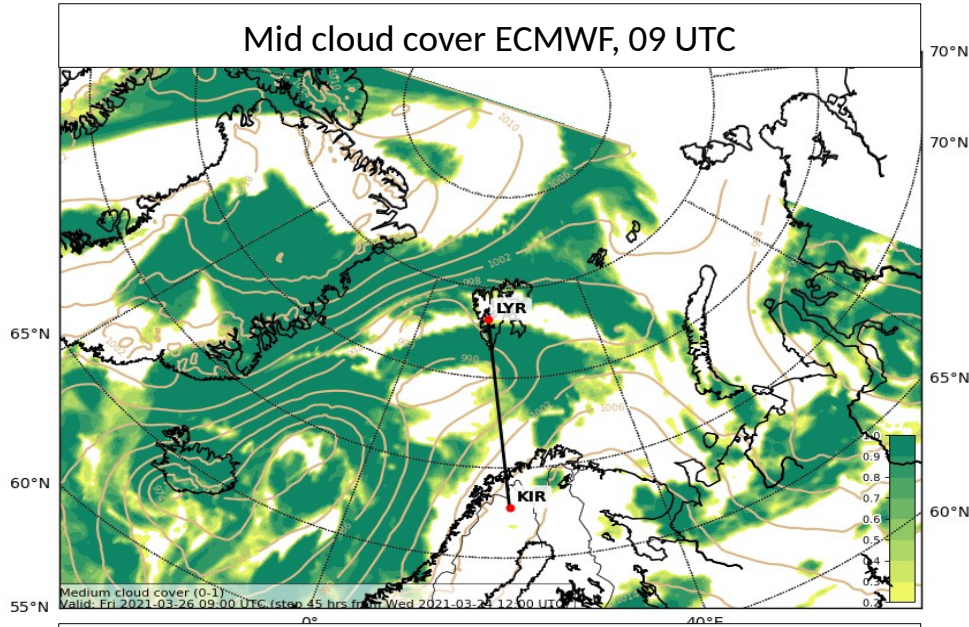


Data: ECMWF OPERATIONAL 0.500°  
(C) Wetterzentrale  
www.wetterzentrale.de



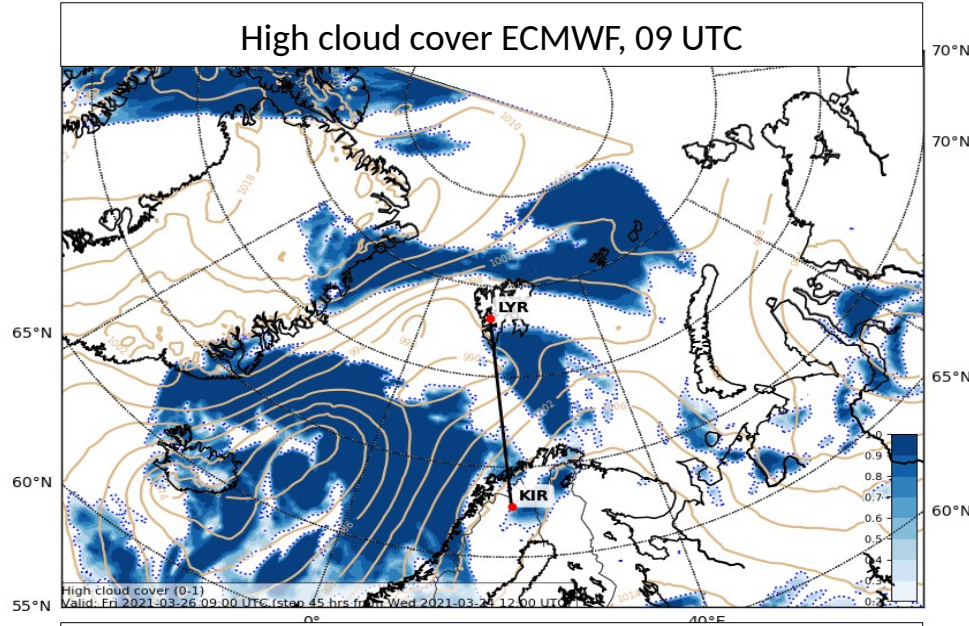


# Mid cloud cover (ECMWF & ICON): Fri. 26/03, 09 & 15 UTC

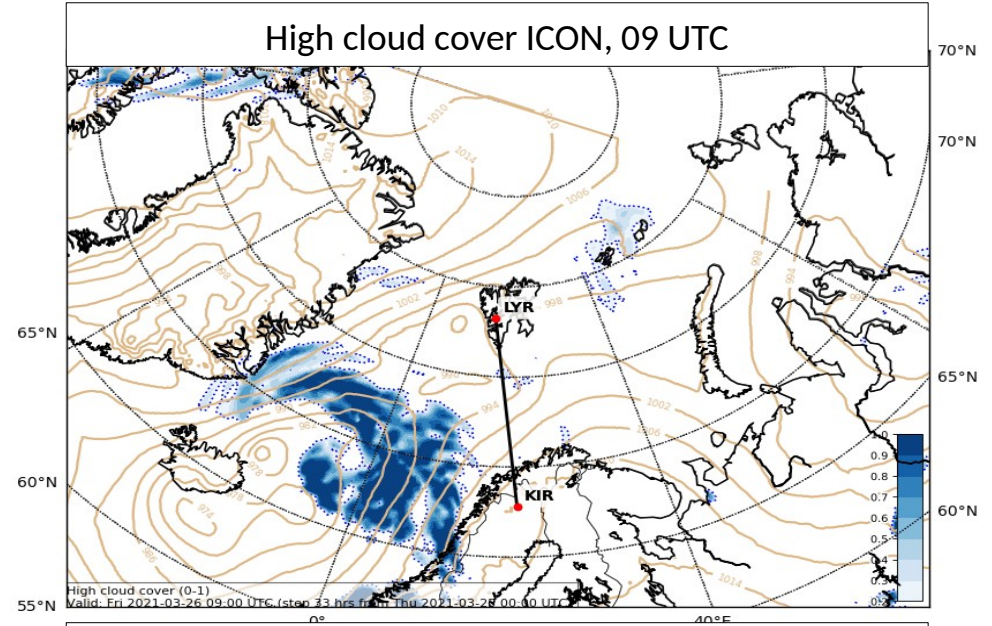


# High cloud cover (ECMWF & ICON): Fri. 26/03, 09 & 15 UTC

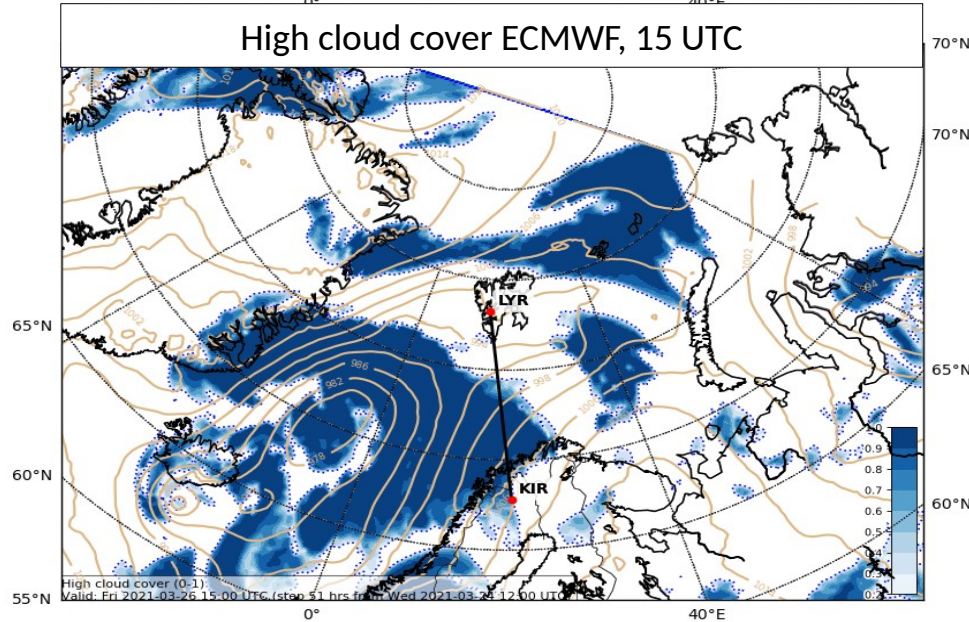
## High cloud cover ECMWF, 09 UTC



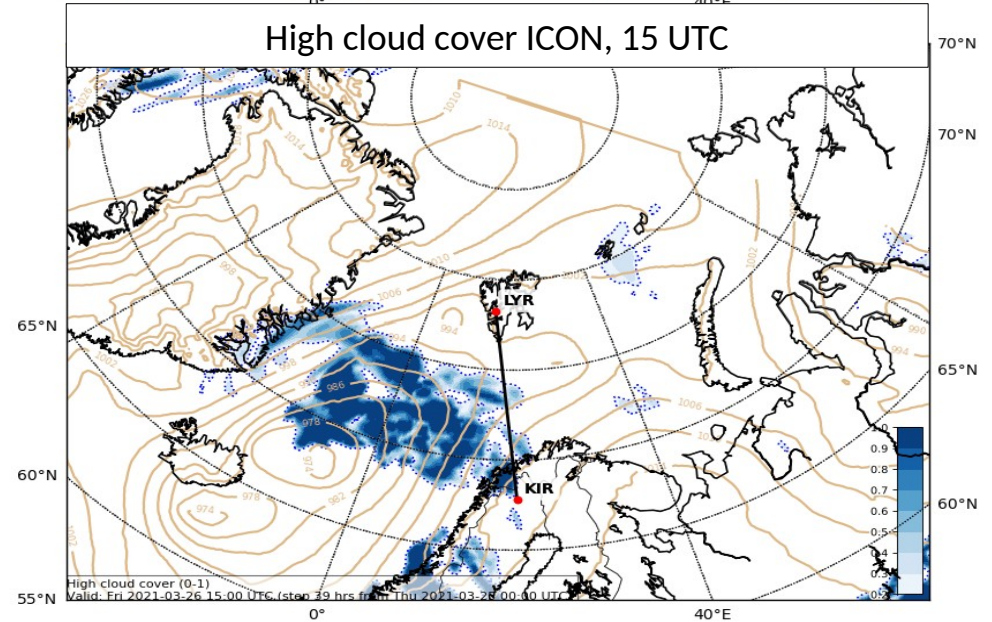
## High cloud cover ICON, 09 UTC



## High cloud cover ECMWF, 15 UTC



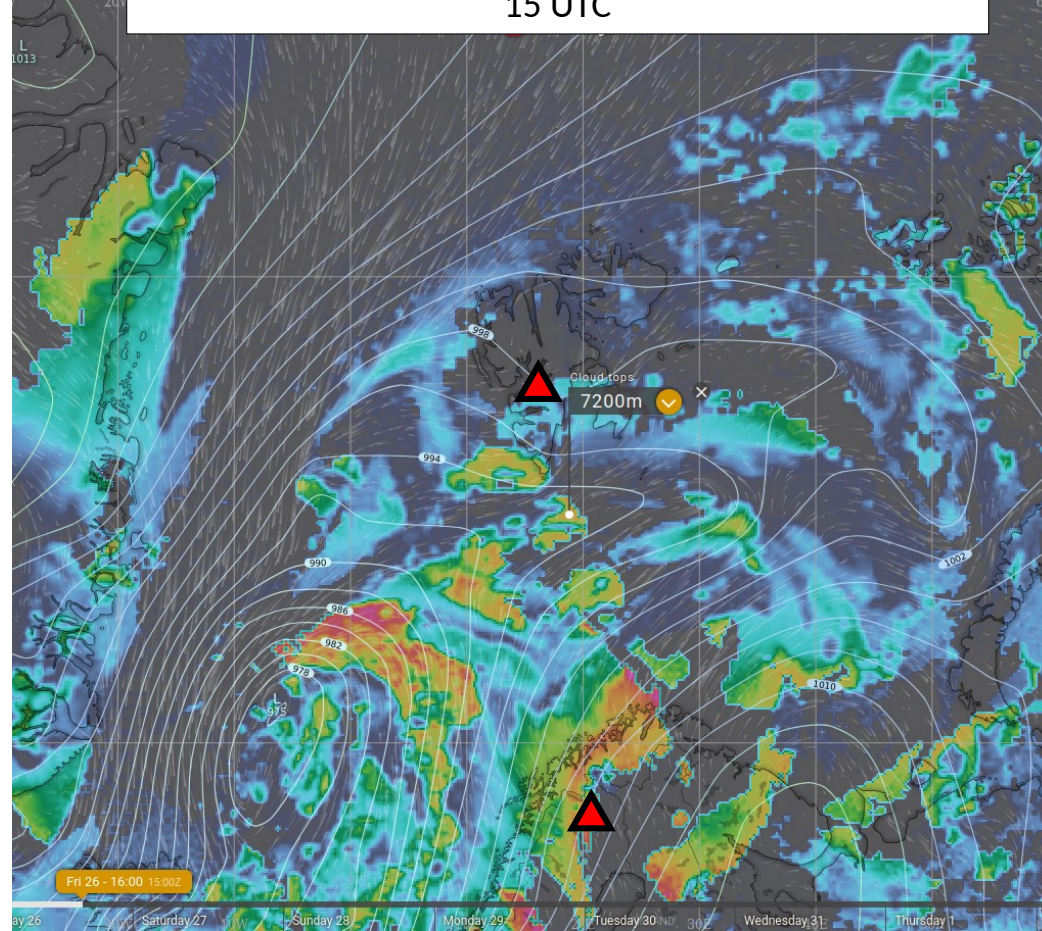
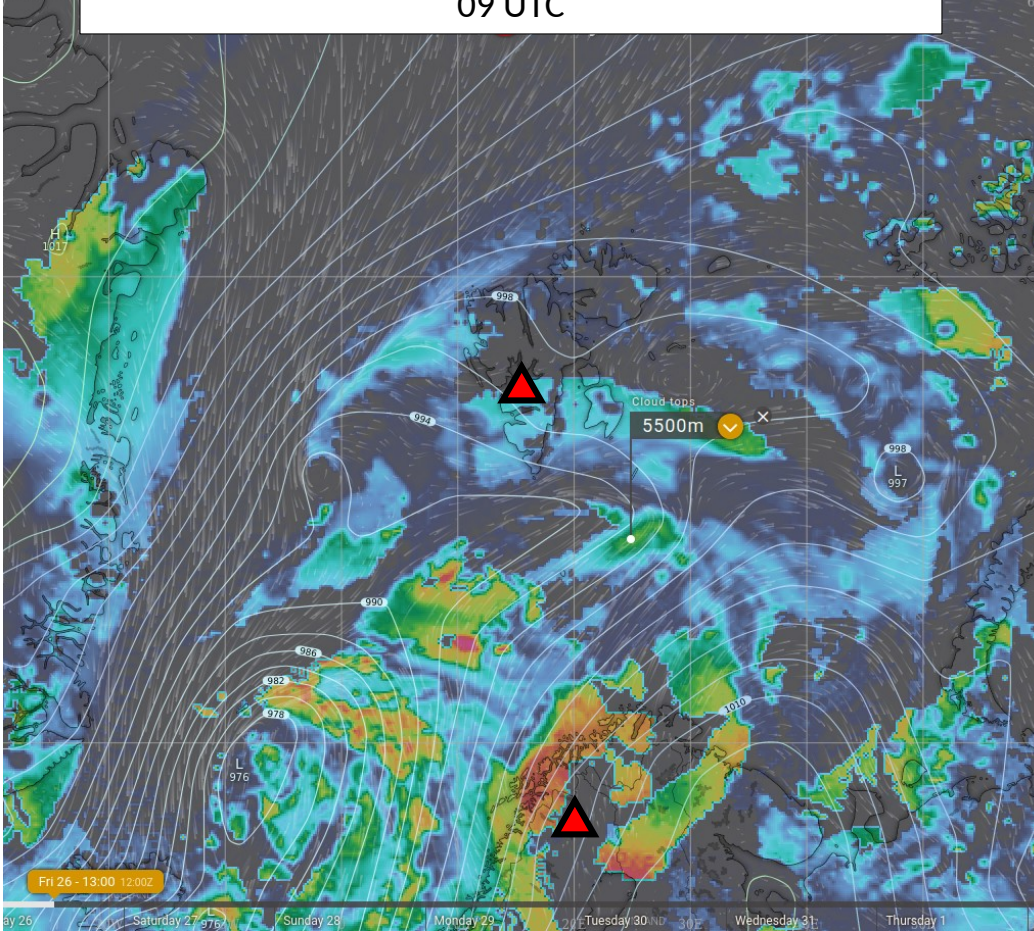
## High cloud cover ICON, 15 UTC



# Cloud top (ECMWF): Fri., 26/03, 12 & 15 UTC

09 UTC

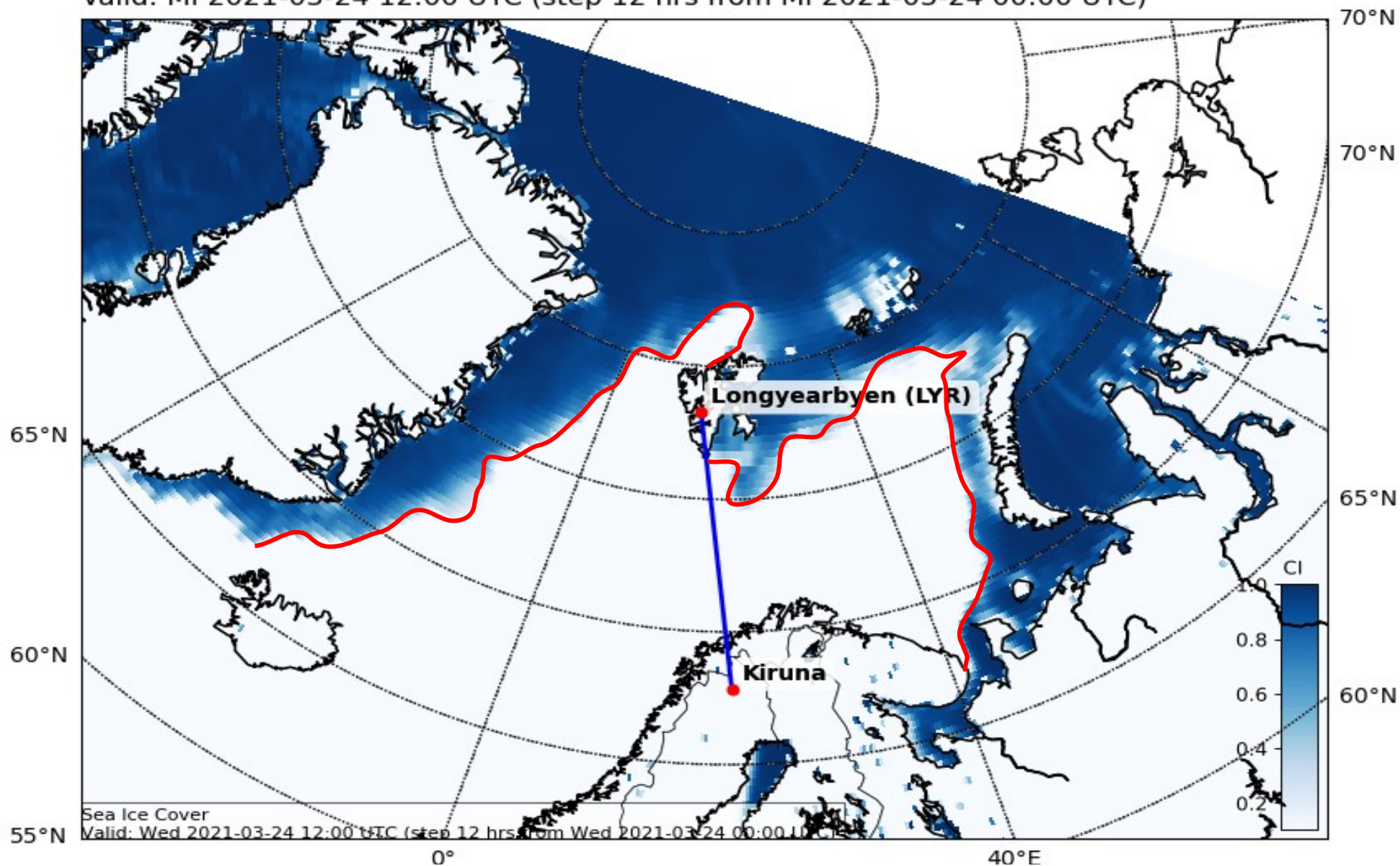
15 UTC





# Sea ice cover ECMWF: Wed., 24/03, 12 UTC

valid: MI 2021-03-24 12:00 UTC (step 12 hrs from MI 2021-03-24 00:00 UTC)



# Sea ice cover ECMWF: Fri., 26/03, 12 UTC

Valid: Fri 2021-03-26 12:00 UTC (step 60 hrs from Mon 2021-03-24 00:00 UTC)

