

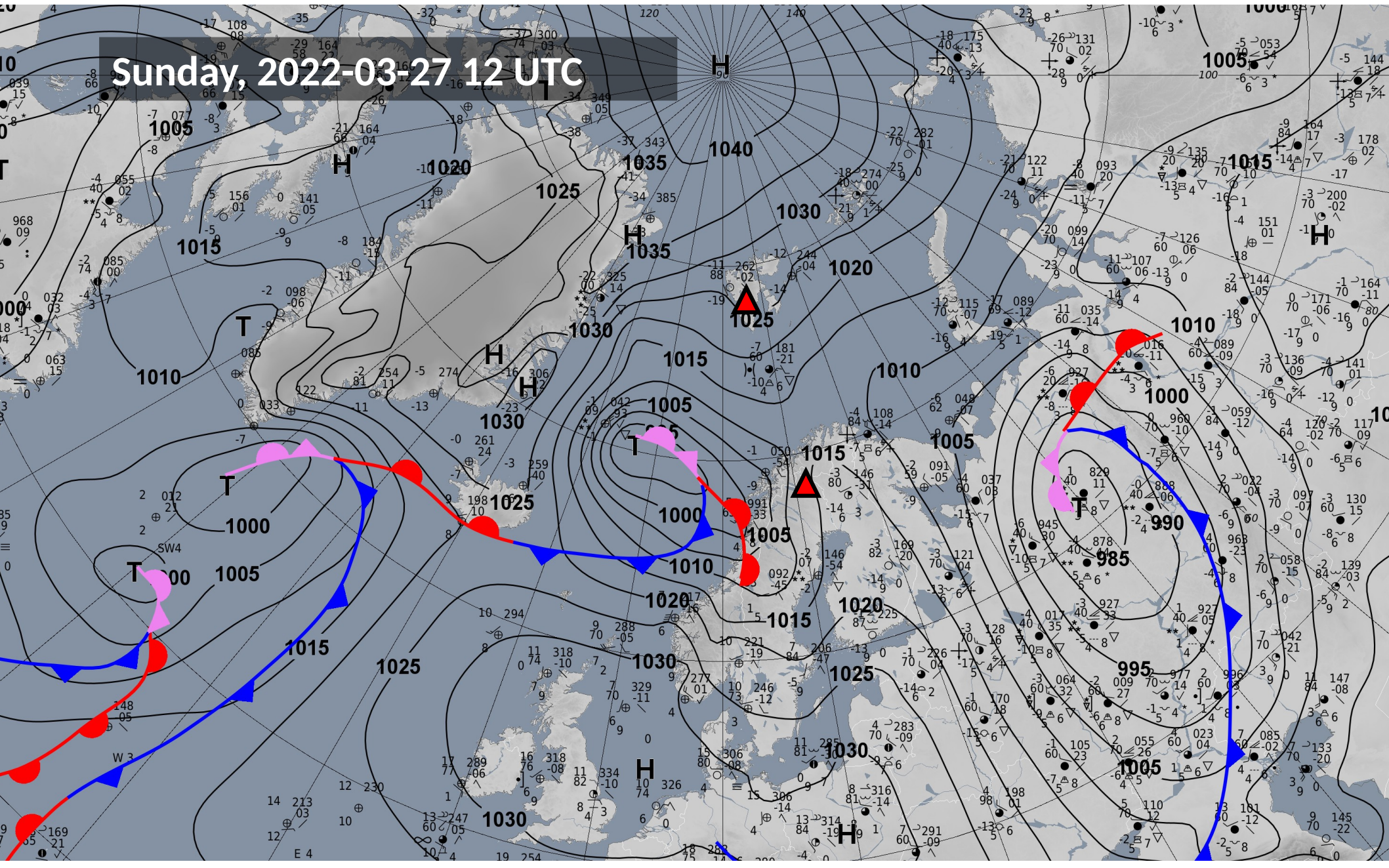
Weather briefing

HALO-(AC)³

Sunday, 2022-03-27, 17:00 LT

Surface Analysis
Sunday, 2022-03-27 12 UTC
DWD

Sunday, 2022-03-27 12 UTC

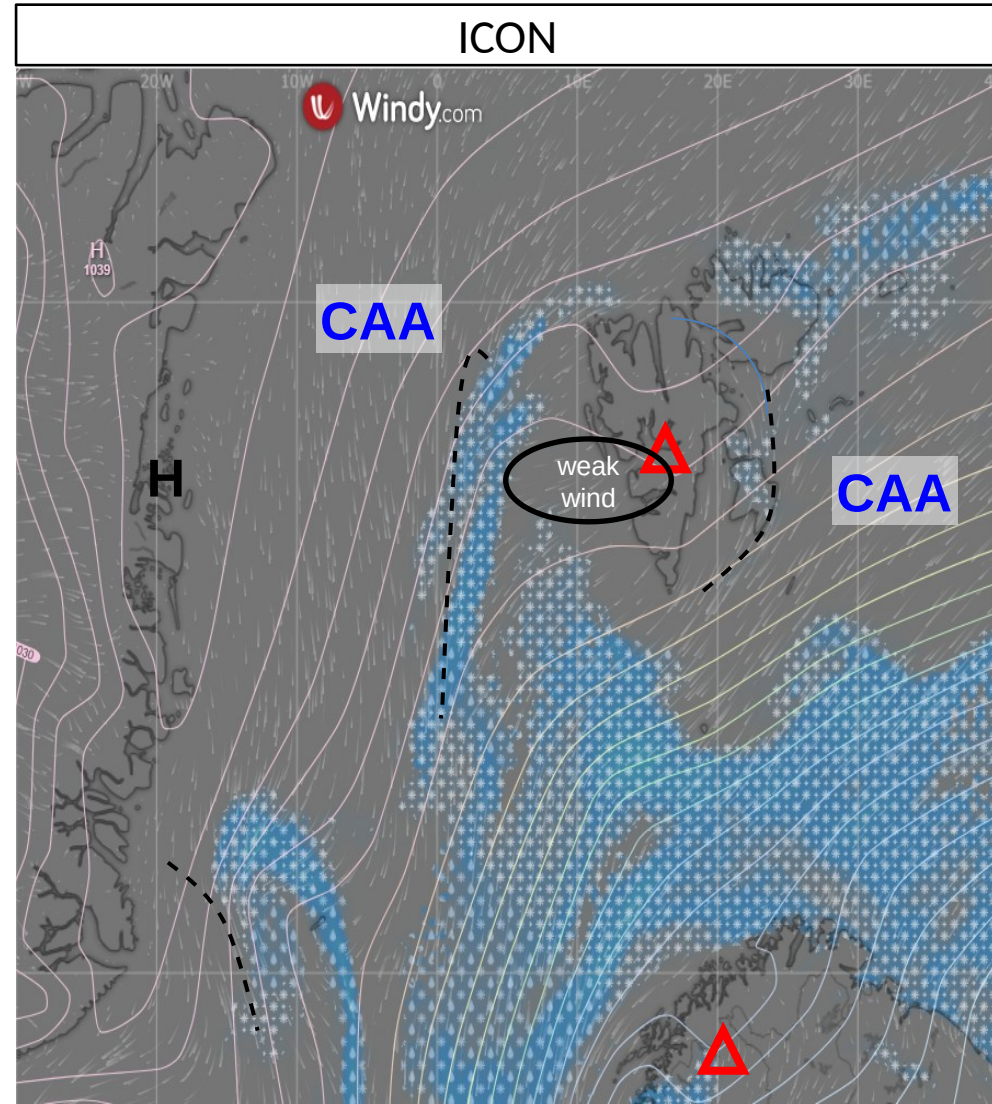
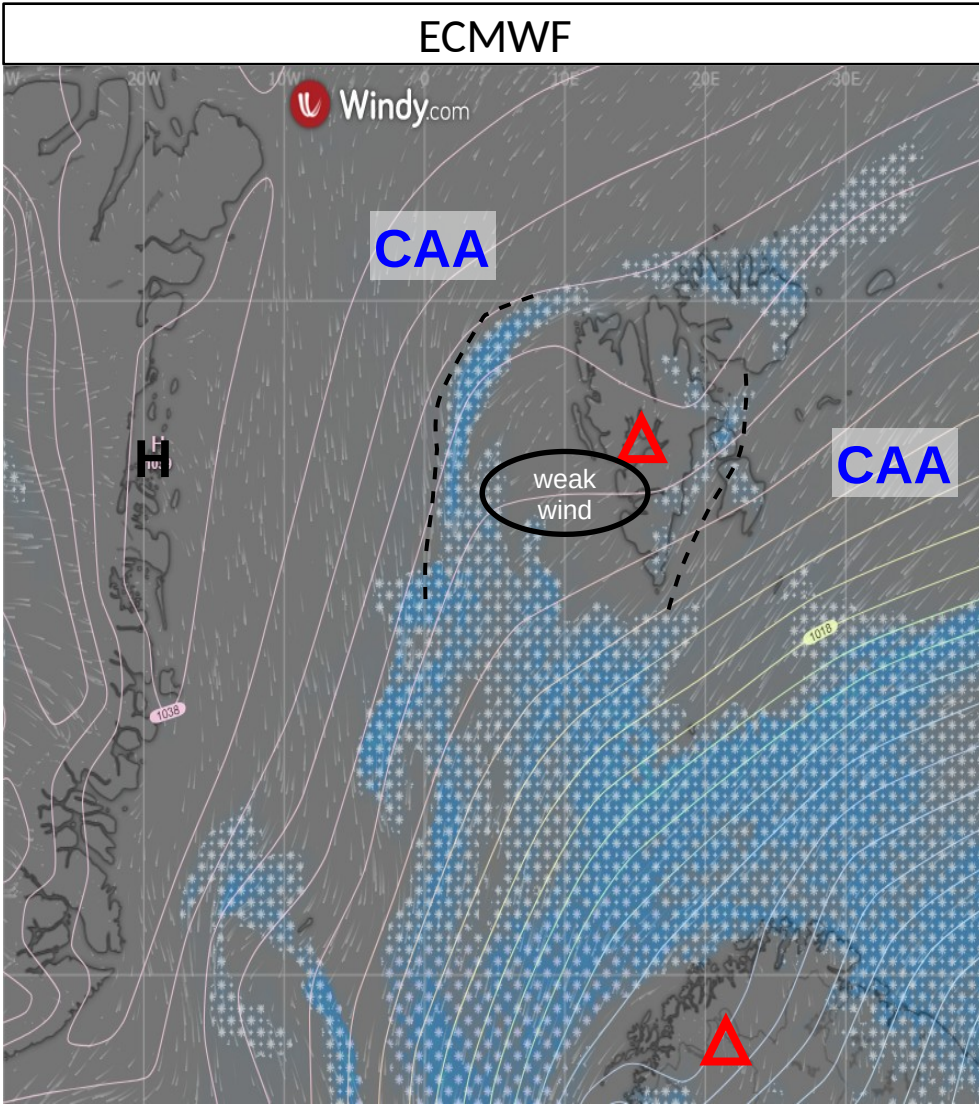


Surface wind development and precipitation

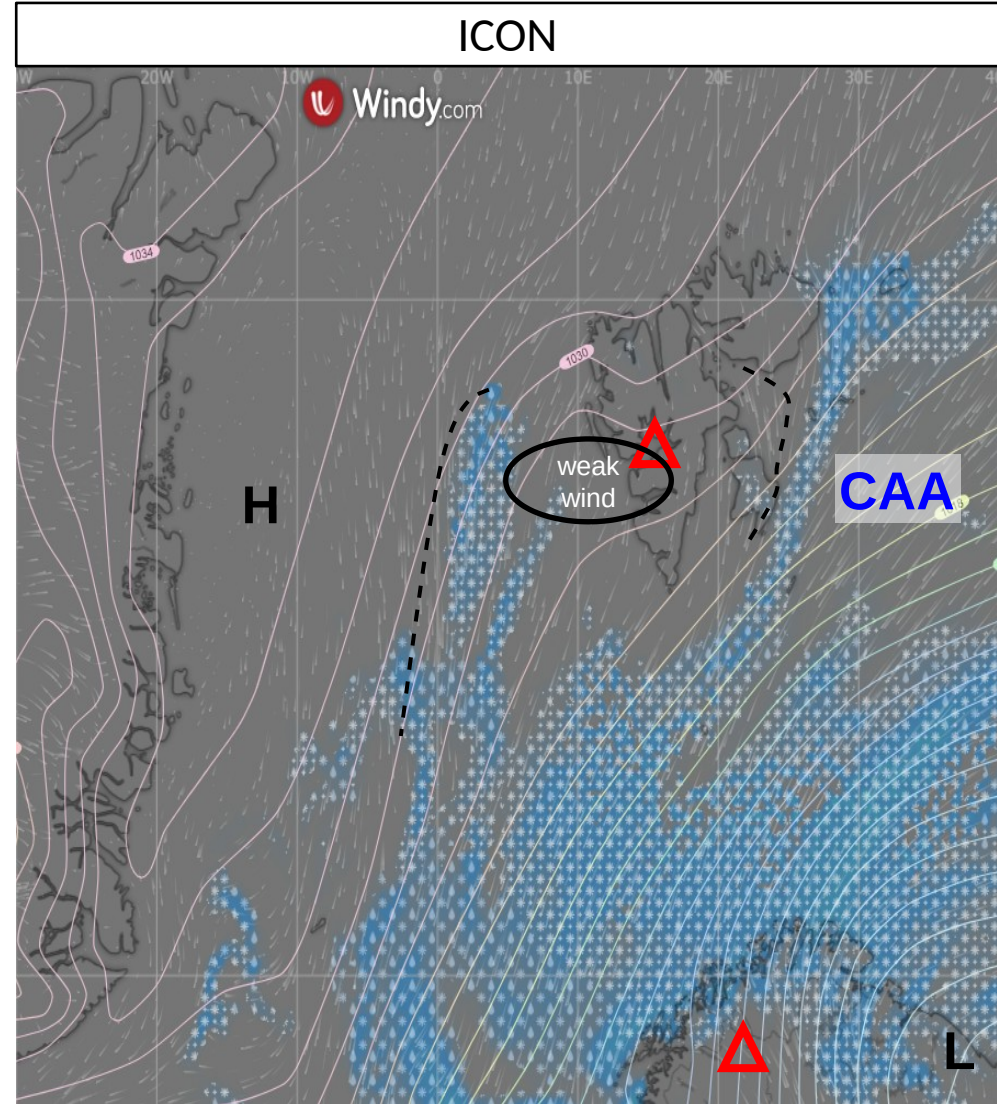
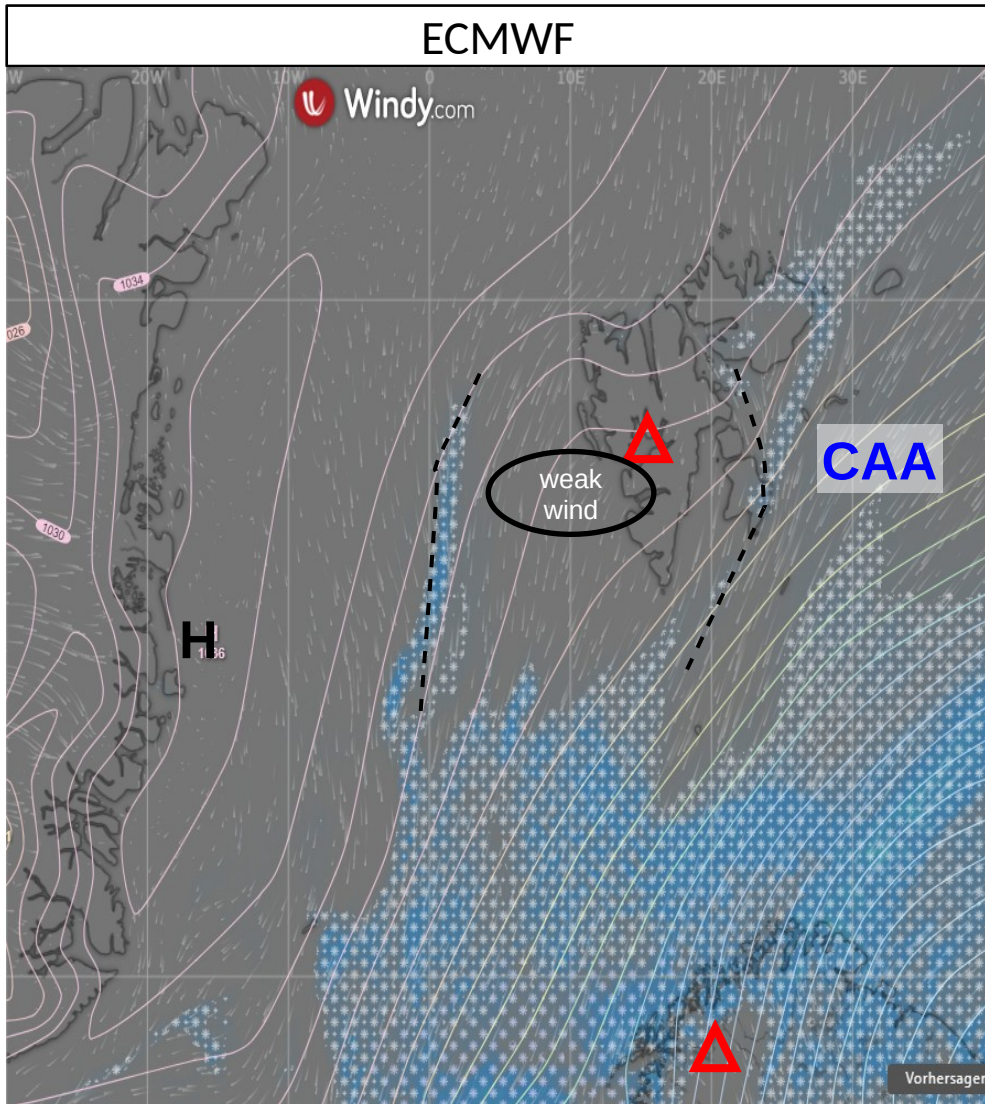
2022-03-27 00 UTC: 36 – 108h

ECMWF & ICON

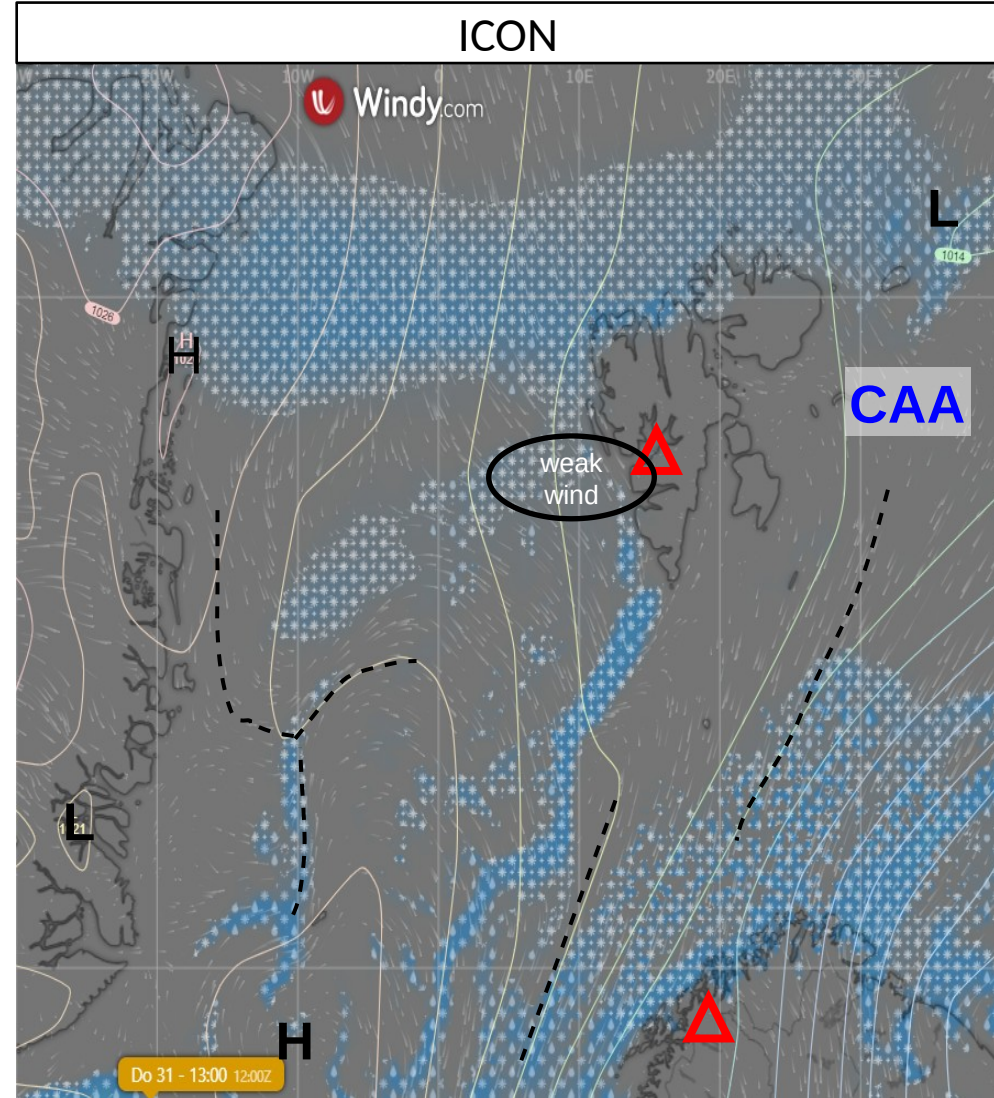
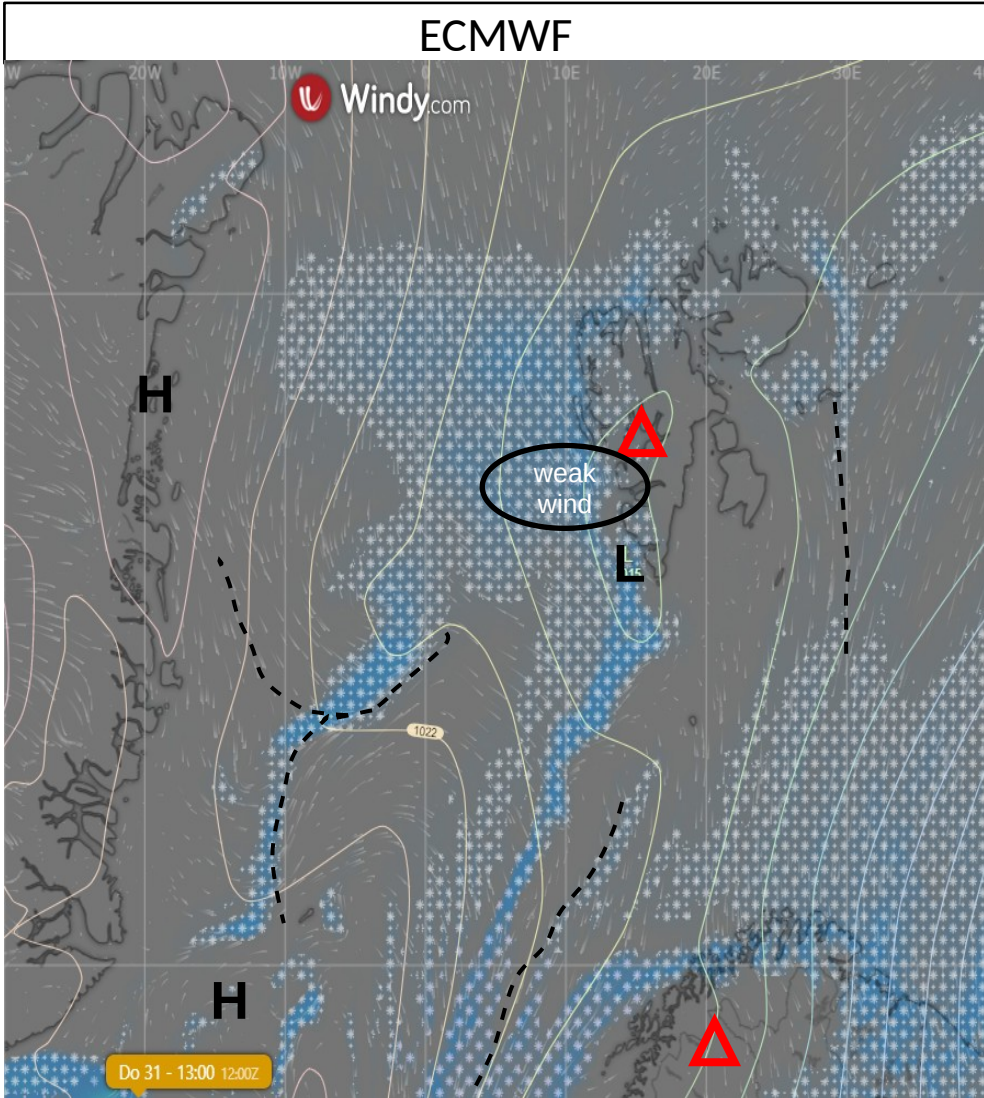
Monday, 2022-03-28 12 UTC (+36h)



Tuesday, 2022-03-29 12 UTC (+60 h)

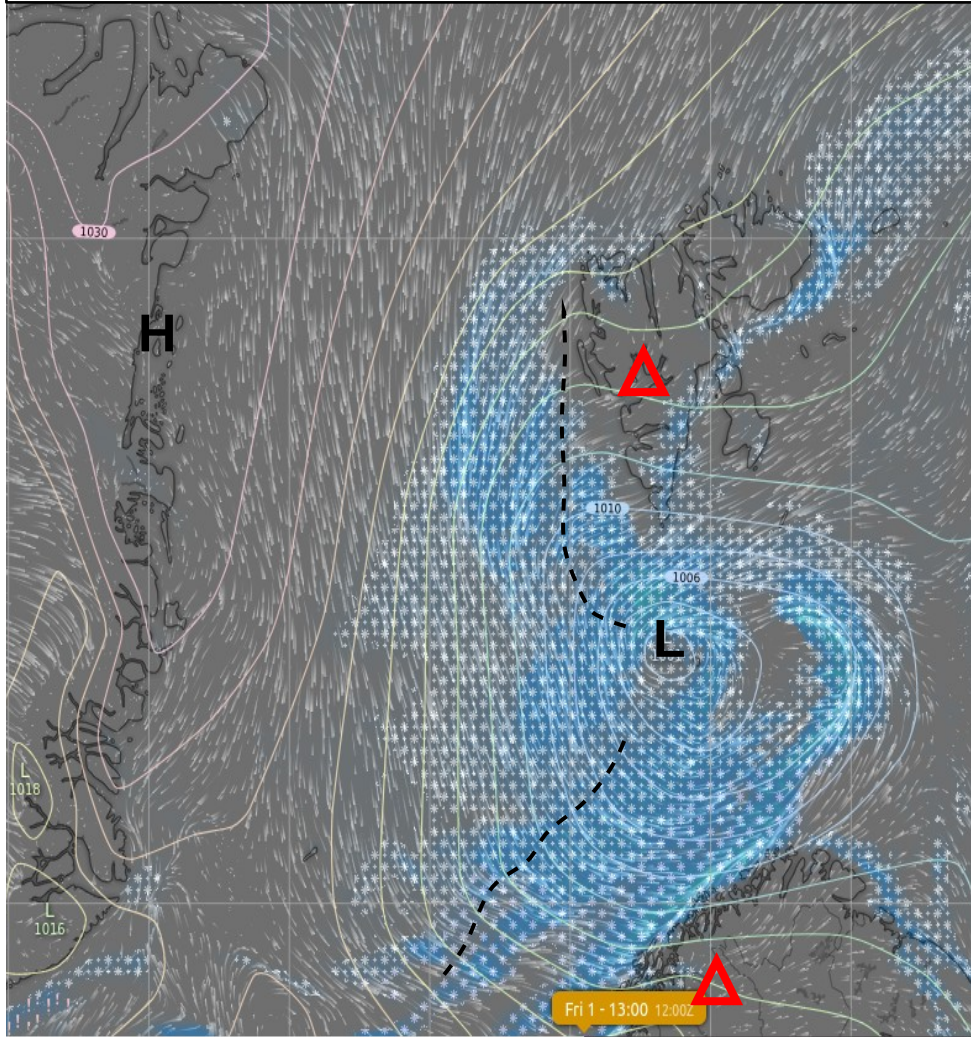


Thursday, 2022-03-31 12 UTC (+108h)



Friday, 2022-04-01 12 UTC (+132h)

ECMWF



ICON

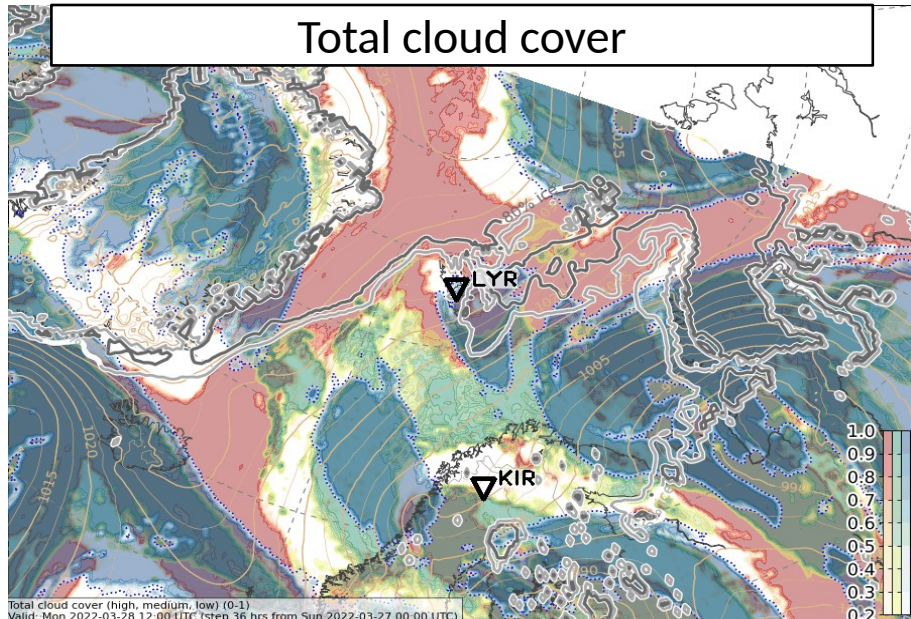
Cloud cover, CAO index, Airmasses, IVT

2022-03-27 00 UTC: 36 – 132h

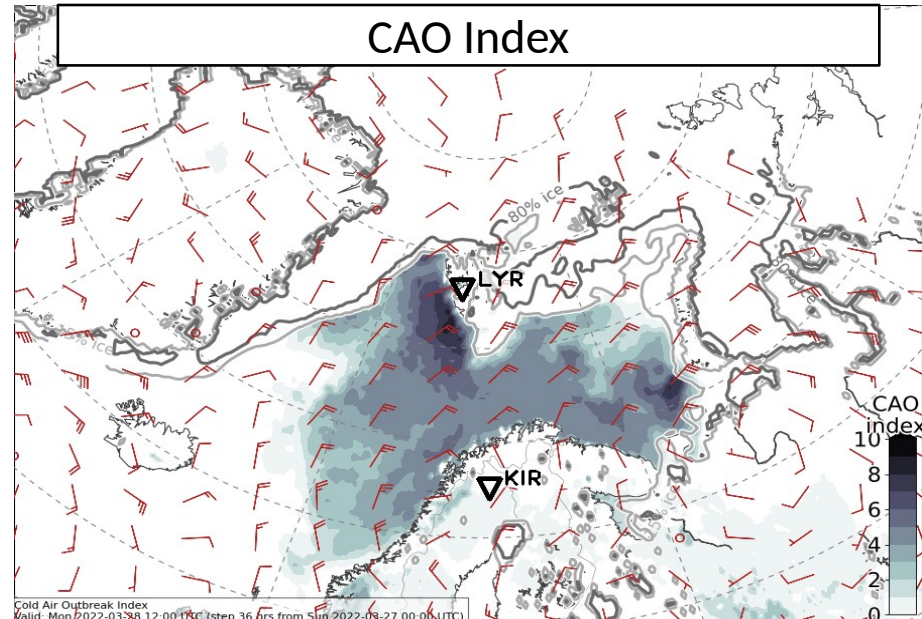
Cloud cover & 850hPa θ_e & CAO & 500hPa geopot

Mon, 2022-03-28 12 UTC (+36h)

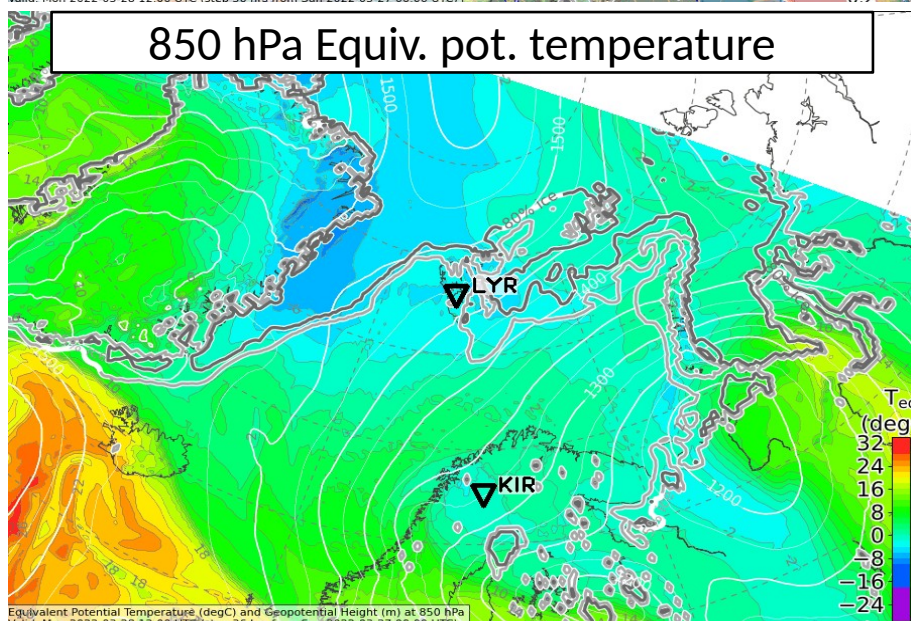
Total cloud cover



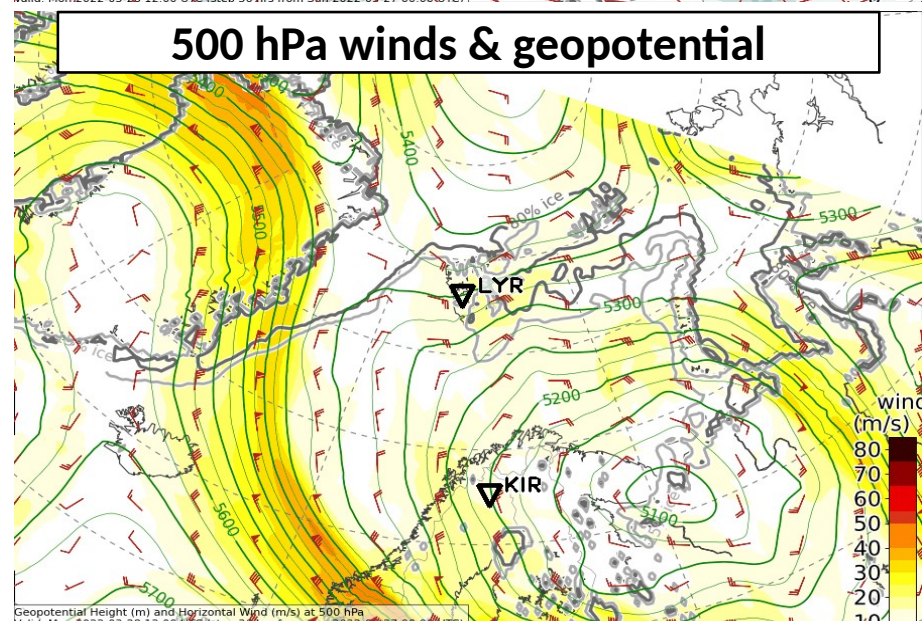
CAO Index



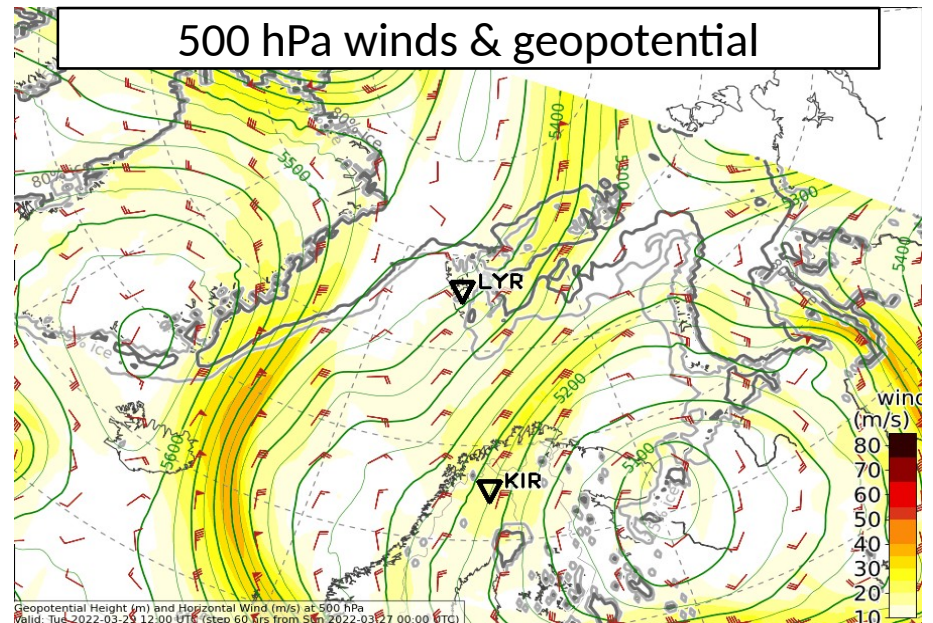
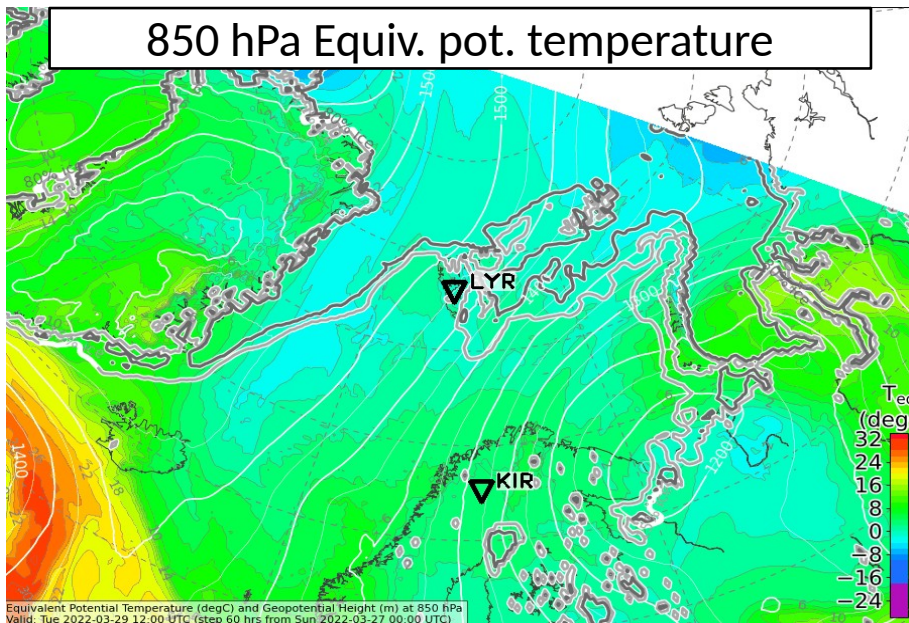
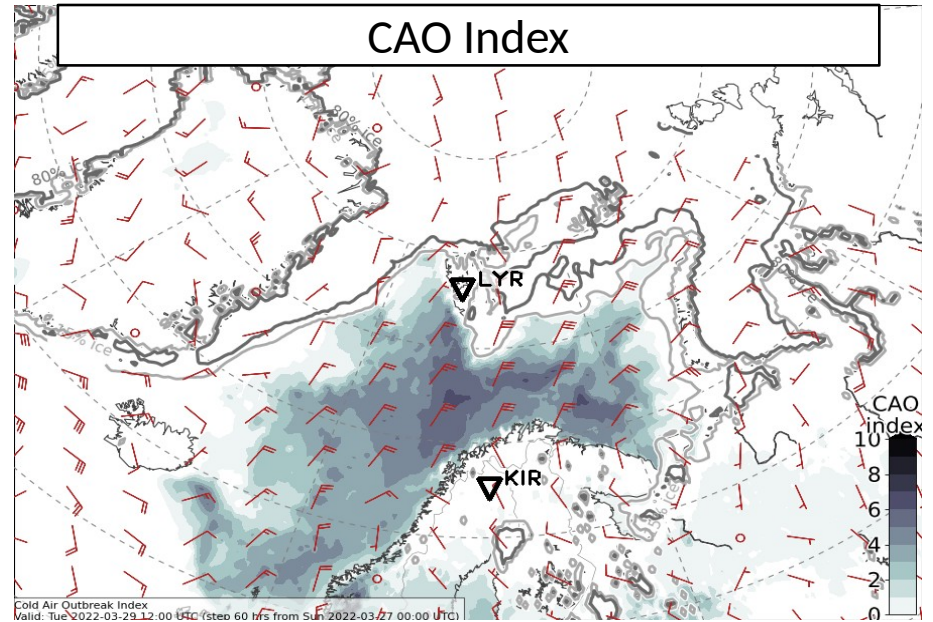
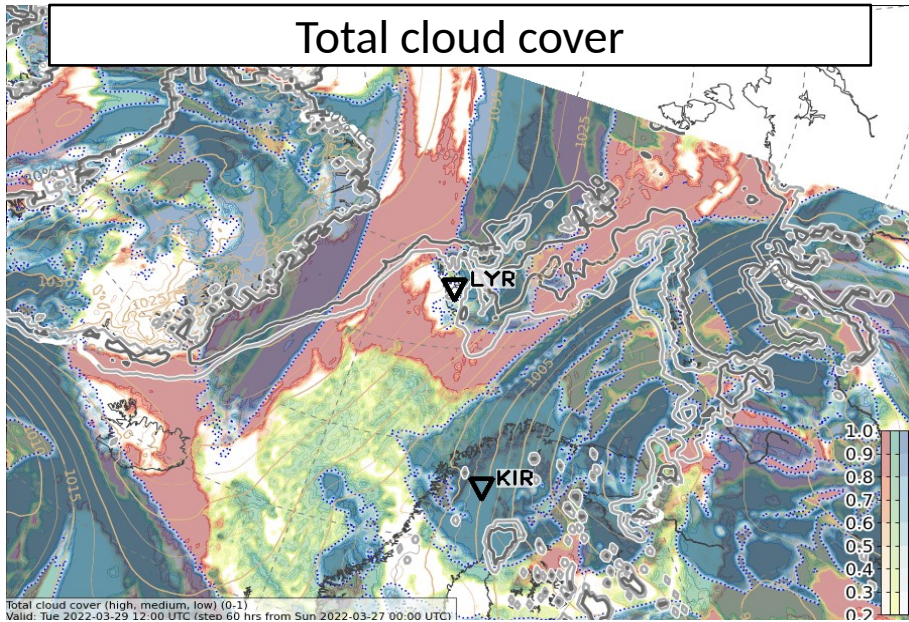
850 hPa Equiv. pot. temperature



500 hPa winds & geopotential

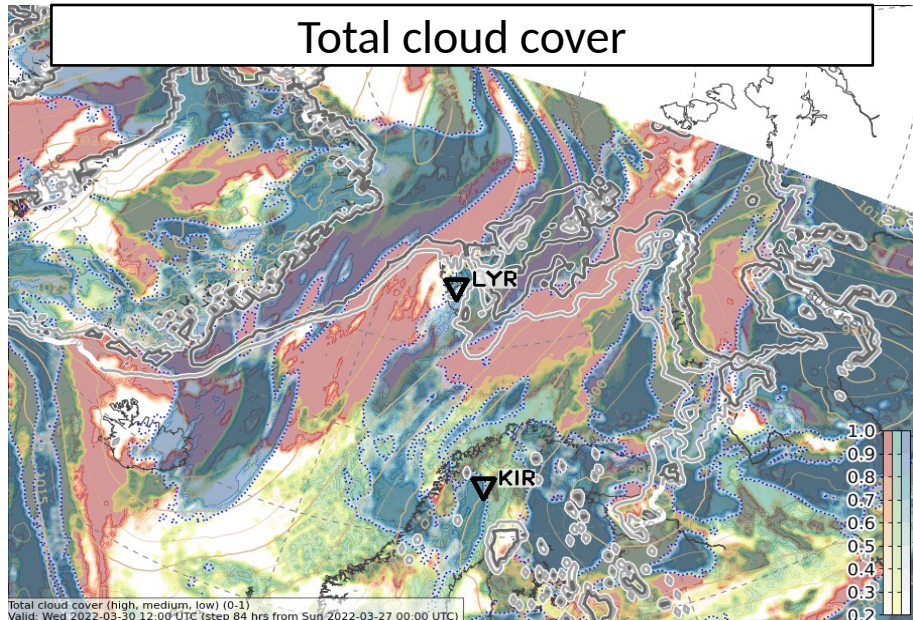


Tue, 2022-03-29 12 UTC (+60h)

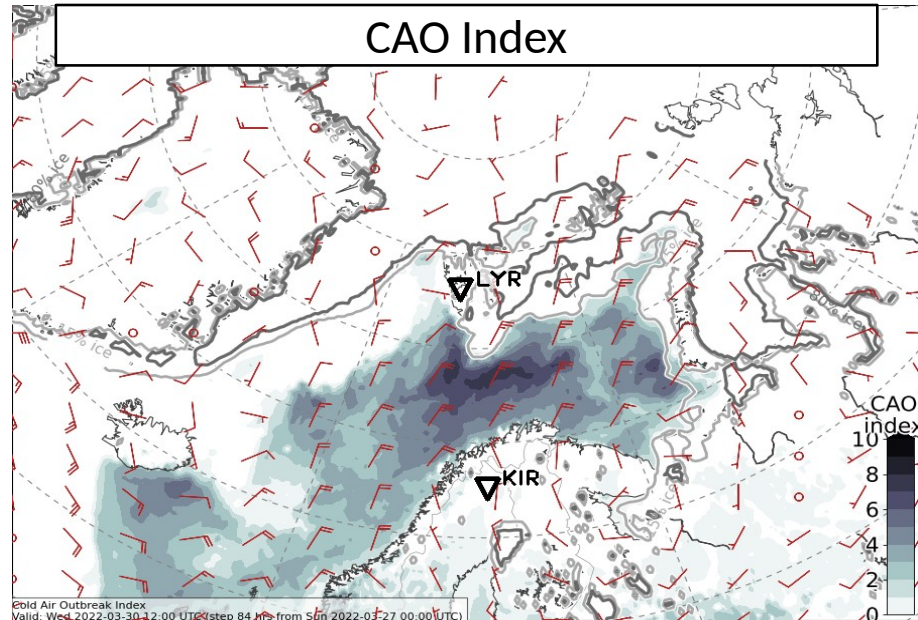


Wed, 2022-03-30 12 UTC (+84h)

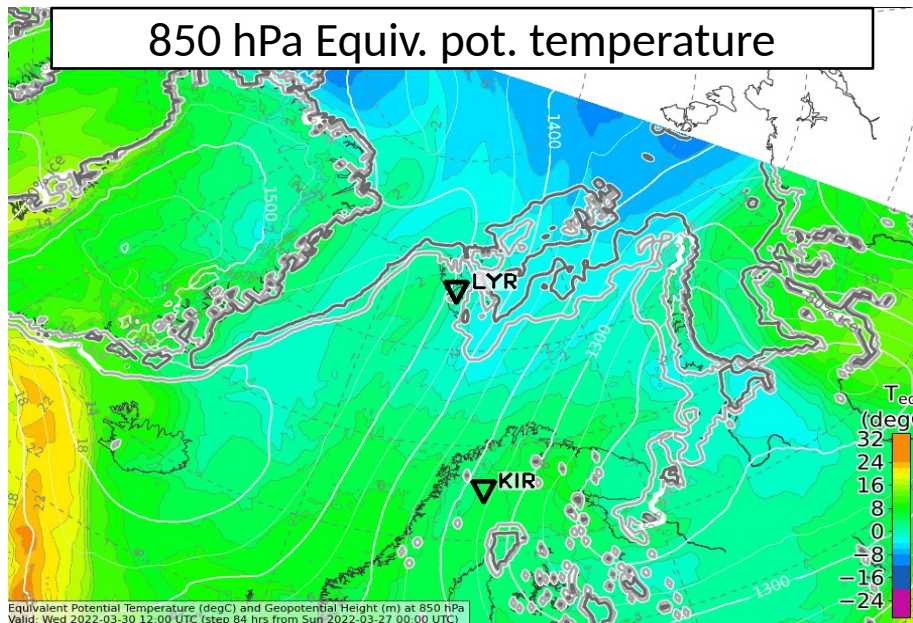
Total cloud cover



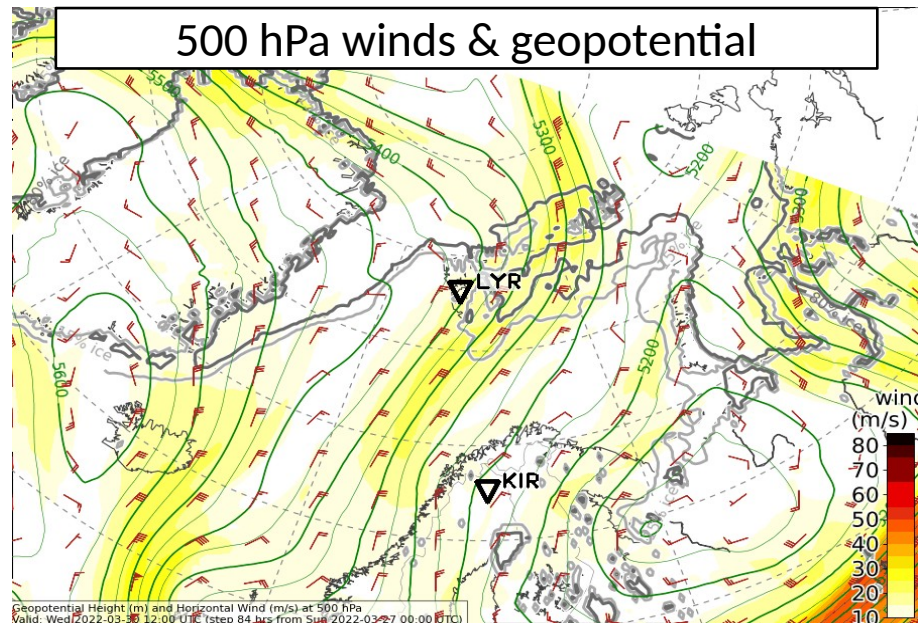
CAO Index



850 hPa Equiv. pot. temperature

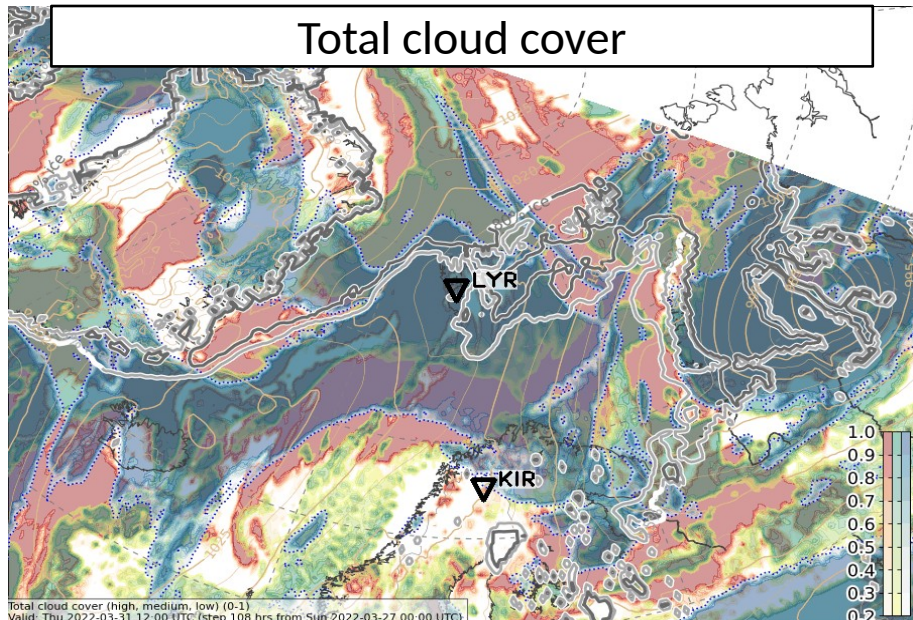


500 hPa winds & geopotential

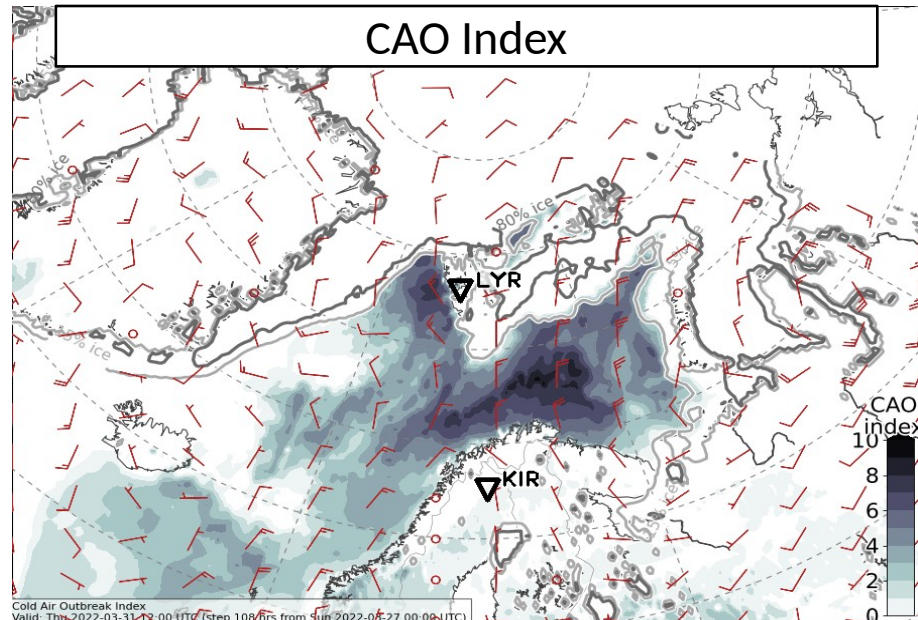


Thu, 2022-03-31 12 UTC (+108h)

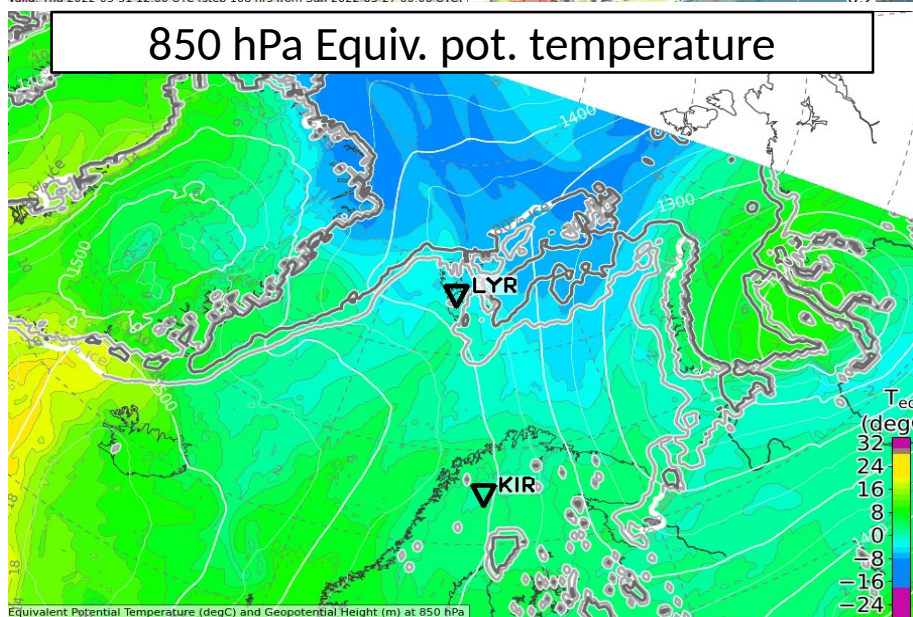
Total cloud cover



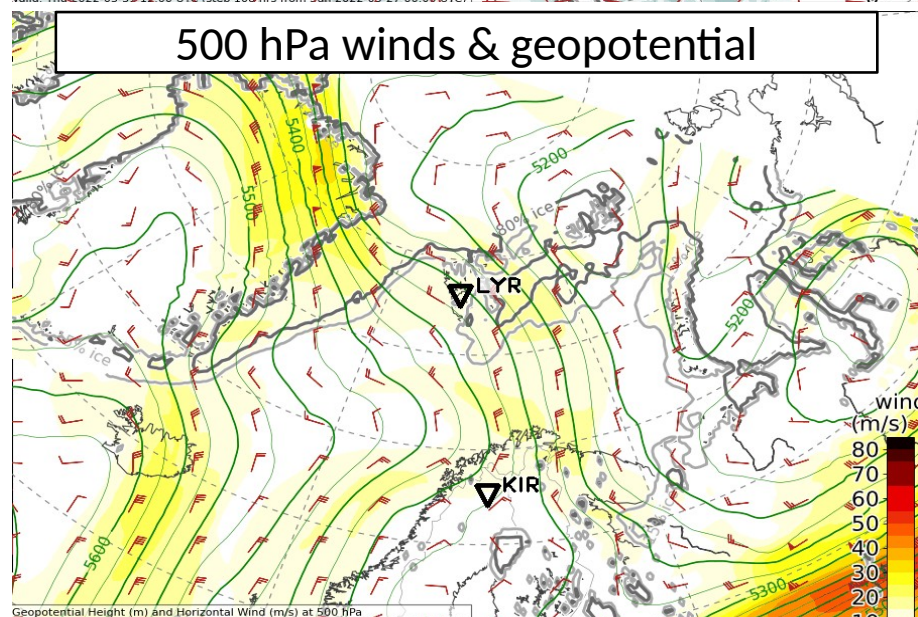
CAO Index



850 hPa Equiv. pot. temperature

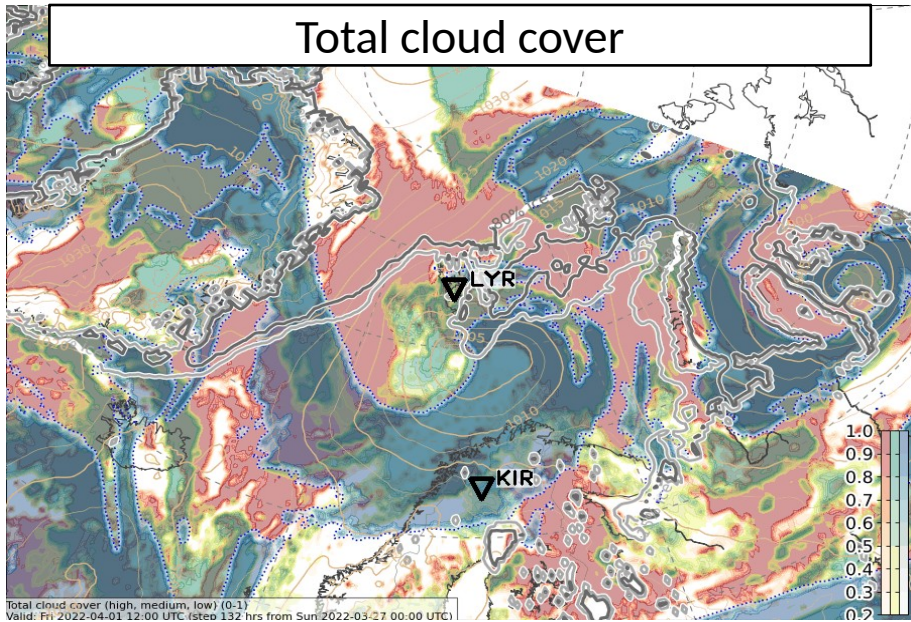


500 hPa winds & geopotential

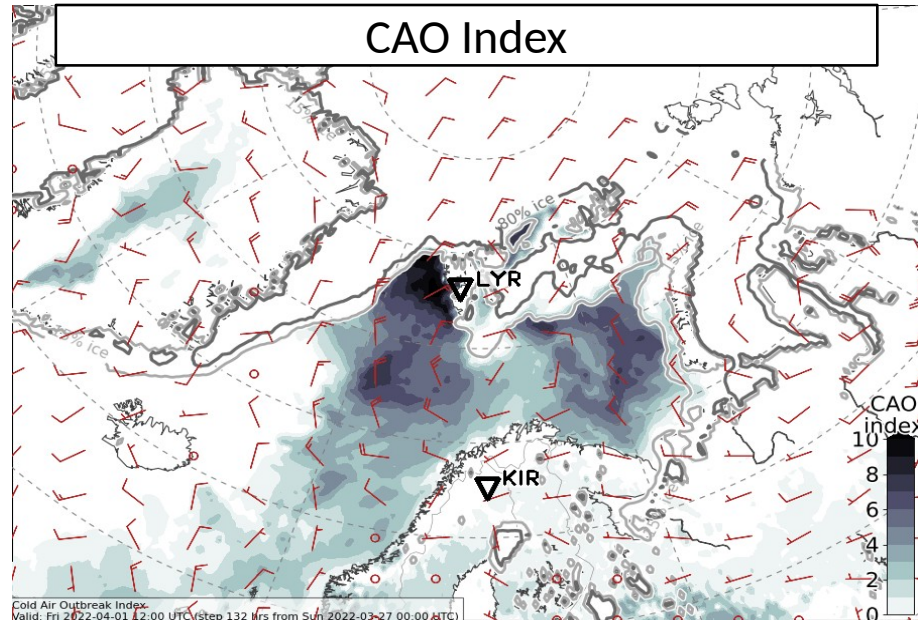


Fri, 2022-04-01 12 UTC (+132h)

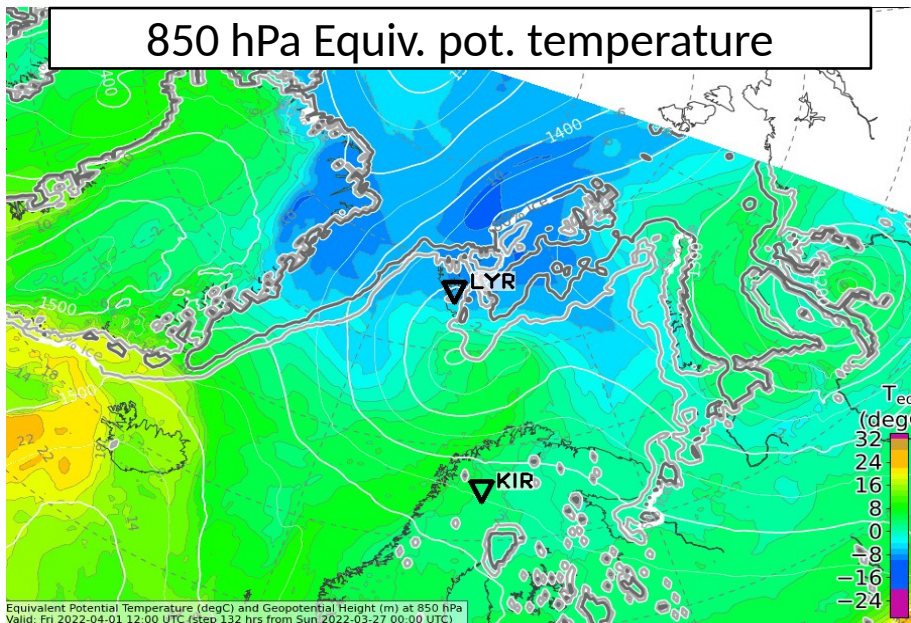
Total cloud cover



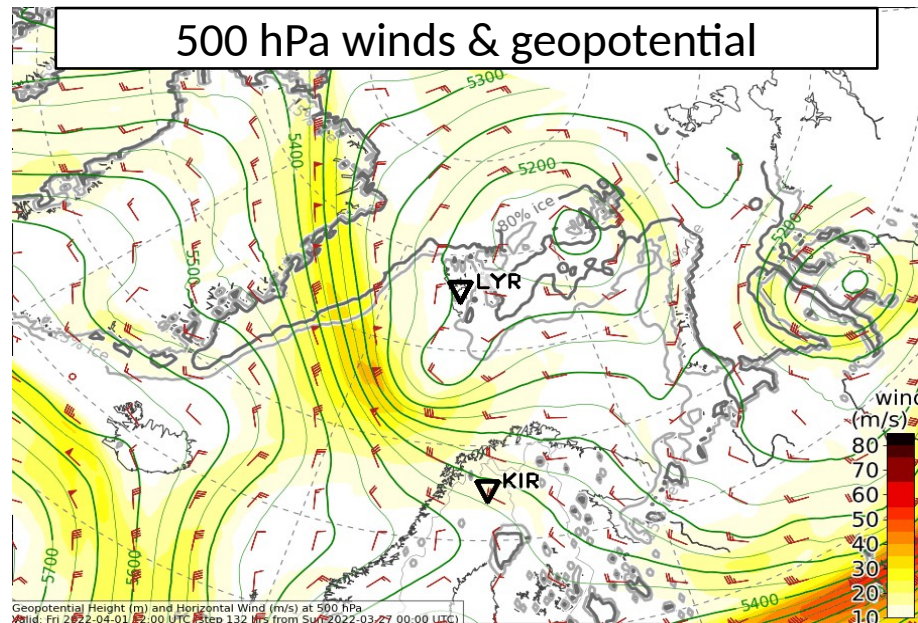
CAO Index



850 hPa Equiv. pot. temperature

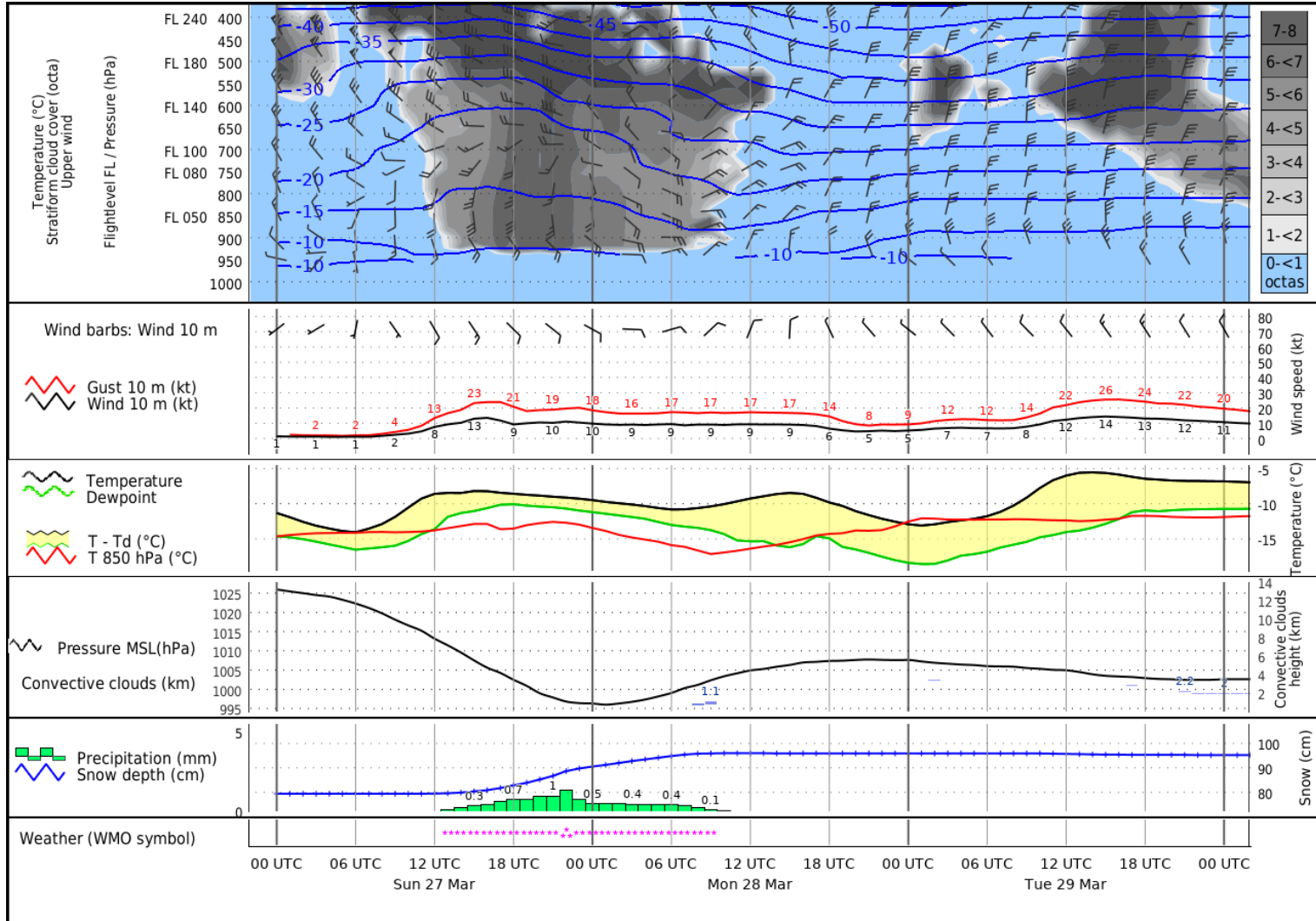


500 hPa winds & geopotential



Airport meteograms & local weather at Svalbard

Kiruna:

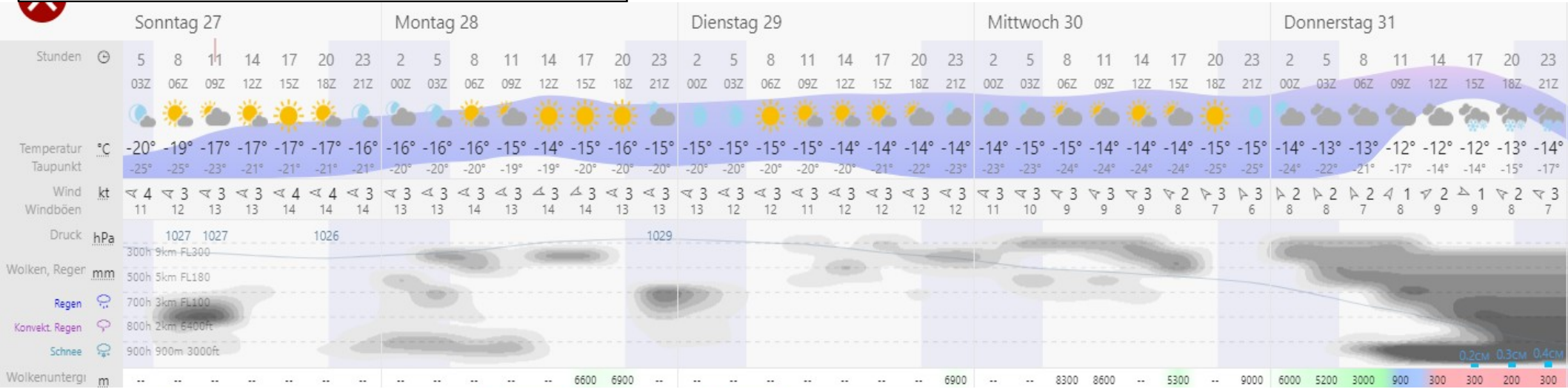


Meteogram Kiruna (ESNQ), 460 m, LAT/LON: N 67°49' E 20°20'
 ICON-EU 2022-03-27 00 UTC, model height: 460 m

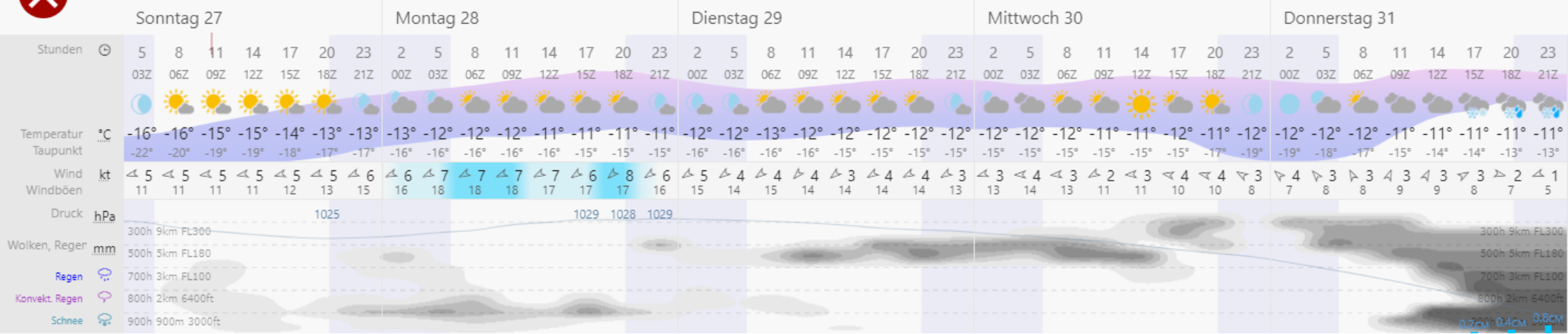


Longyearbyen:

ECWMF



ICON



Latest METAR and TAF from Longyearbyen airport

Svalbard Airport. Longyear

Longyearbyen, Norway

latitude: 78-15N, longitude: 015-28E,
elevation: 2 m

Current weather observation

The report was made **28** minutes ago, at **13:50**
UTC

Wind **8** kt from the **East/Southeast**

Temperature **-13°C**

Humidity **72%**

Pressure **1025** hPa

Visibility 10 km or more

Few clouds at a height of **2500** ft

Time: 16:18 (14:18 UTC)

Forecast

*Forecast valid from 27 at 12 UTC to 28 at 12
UTC*

Wind **9** kt from the **East/Southeast**

Visibility 10 km or more

Few clouds at a height of **2500** ft

TAF: ENSB 2712/2812 12009KT 9999
FEW025

Summary

Summary: Weather Briefing 2022-03-27, 17:00 LT

- **Monday, 2022-03-28:**
 - Weak Cold Air Outbreak NW of Svalbard, only low clouds
- **Tuesday+Wednesday, 2022-03-29+30:**
 - Winds decreasing
 - High cloud advection from Kara Seas
- **Thursday, 2022-03-31:**
 - Mid+high level clouds advected from Greenland
 - Low forming SW of Svalbard
 - Over night unfavorable conditions at LYR
- **Friday, 2022-04-01:**
 - Low SE of Svalbard
 - Mostly low clouds NW of Svalbard
 - Again intensification of Cold Air Outbreak (careful – uncertainties?)