

Weather briefing

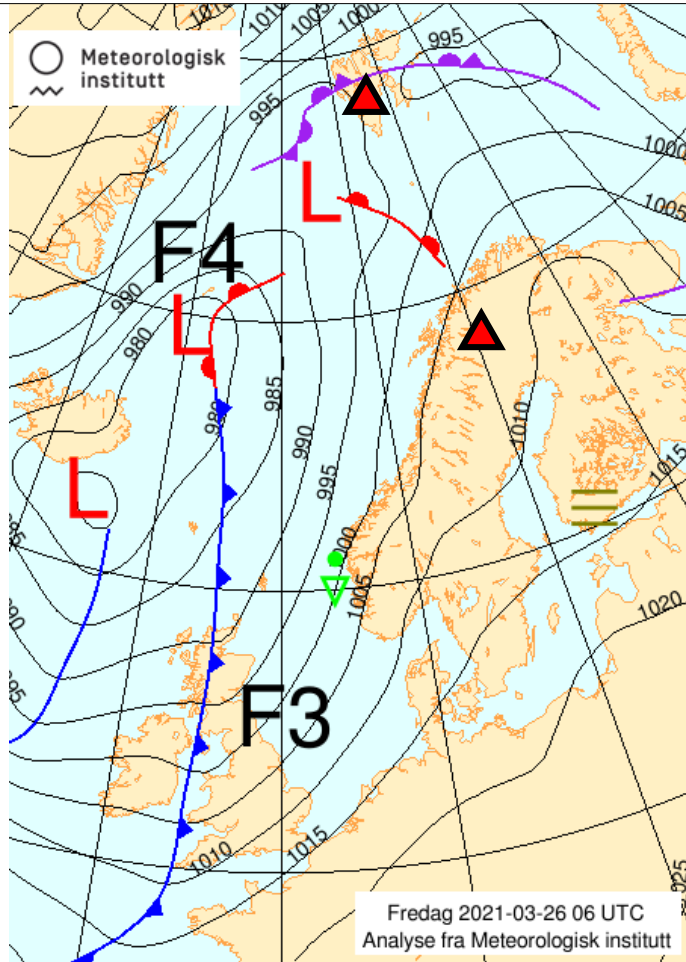
HALO-(AC)³

Friday, 26 March 2021 - 08 UTC

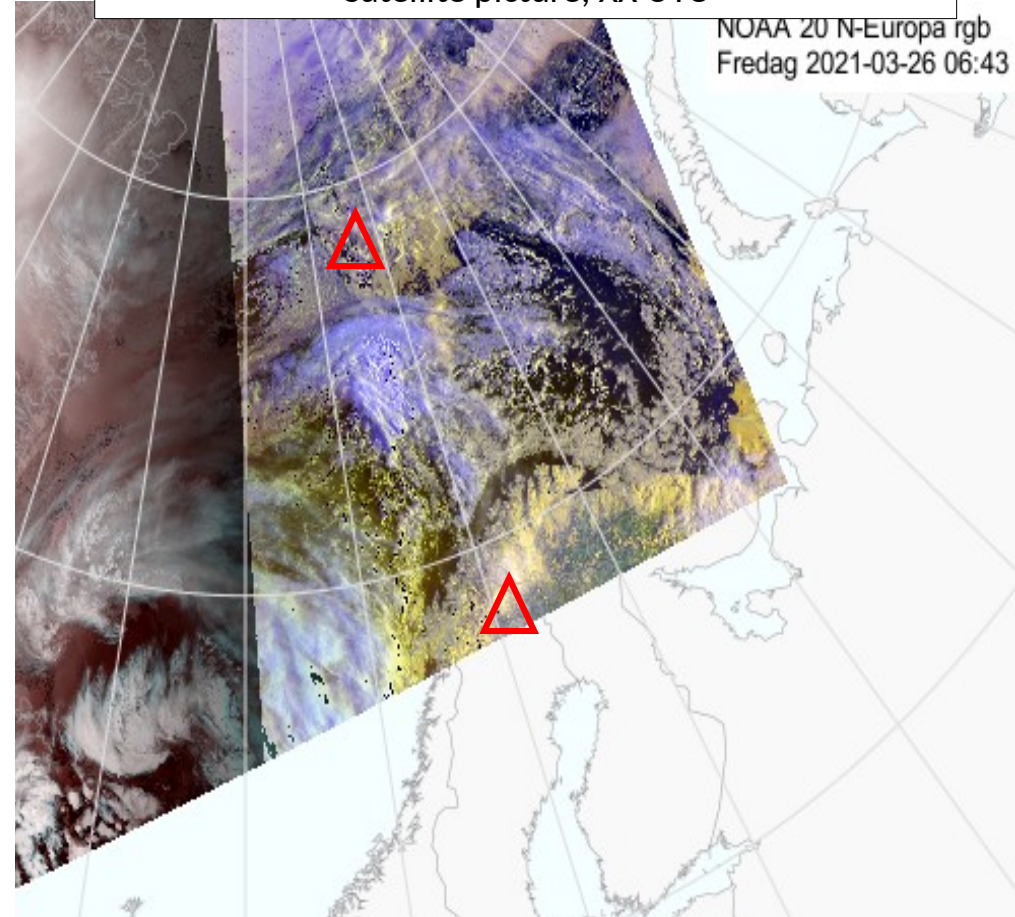
Friday, 26 March 2021

Surface analysis & satellite picture

Surface analysis, NMI



Satellite picture, XX UTC



Latest METAR & TAF (at 13:30 UTC)

Longyearbyen

Svalbard Airport. Longyear

Longyearbyen, Norway

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

Current weather observation

The report was made **8** minutes ago, at **07:50** UTC

Wind **11** kt from the **East/Southeast**

Temperature **-9°C**

Humidity **67%**

Pressure **996** hPa

Visibility **10 km or more**

Few clouds at a height of **2000** ft
Scattered clouds at a height of **5000** ft

Time: 08:58 (07:58 UTC)

Forecast

Forecast valid from 26 at 06 UTC to 27 at 06 UTC

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

Visibility **10 km or more**

Few clouds at a height of **2000** ft

TAF: ENSB 2606/2706 12009KT 9999
FEW020

Kiruna

Kiruna Airport

Kiruna, Sweden

latitude: 67-49N, longitude: 020-20E,
elevation: 452 m

Current weather observation

The report was made **38** minutes ago, at **07:20** UTC

Wind **6** kt from the **Southwest**

Temperature **-7°C**

Humidity **79%**

Pressure **1006** hPa

Visibility **10 km or more**

Time: 08:58 (07:58 UTC)

Forecast

The report was made **2** hours and **28** minutes ago, at **05:30** UTC

Forecast valid from 26 at 06 UTC to 26 at 08 UTC

Wind **8** kt from the **South/Southwest**

Visibility **10 km or more**

no clouds below 1500 m and no cumulonimbus

TAF: ESNQ 260530Z 2606/2608 21008KT
CAVOK



SPITSBERGEN

BOREALIS PANORAMA PORT OF LONGYEARBYEN 360



< 26.03.21 >
07:00



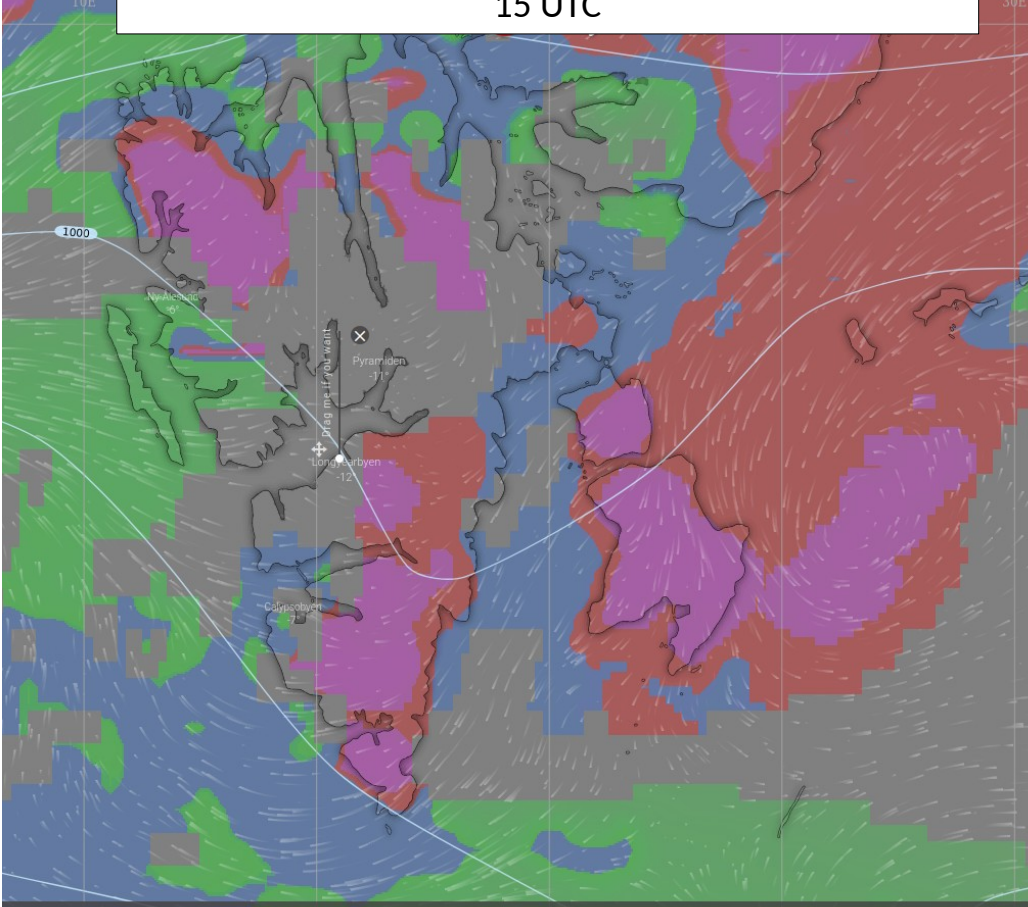
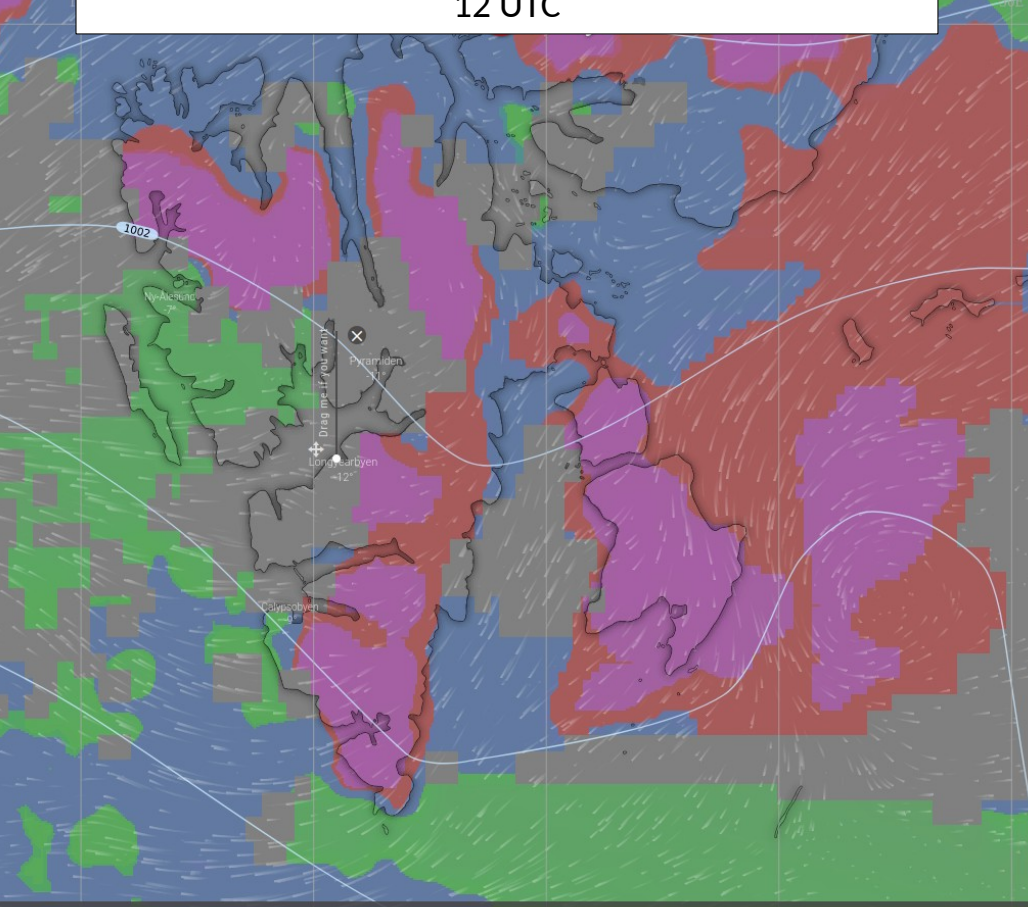
Webcam Longyearbyen, 07:30 UTC



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

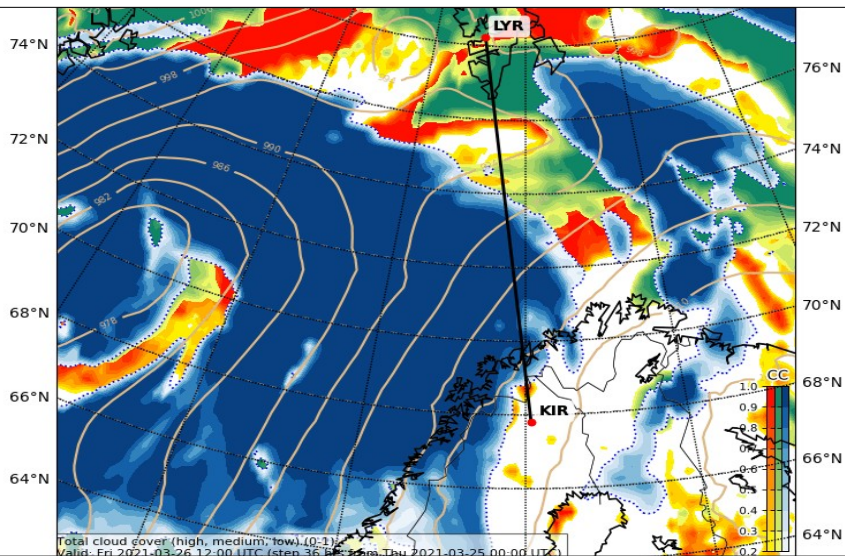
12 UTC

15 UTC

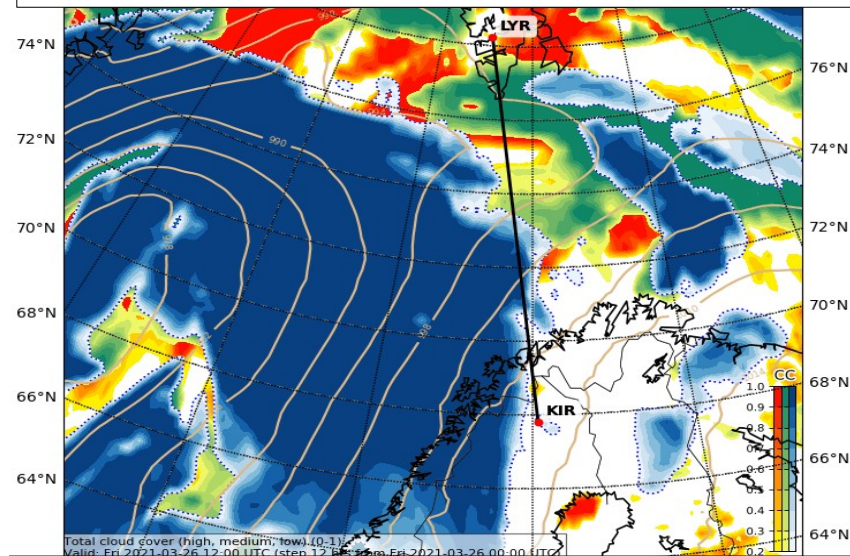


Total cloud cover: Fri. 26/03, 12 UTC

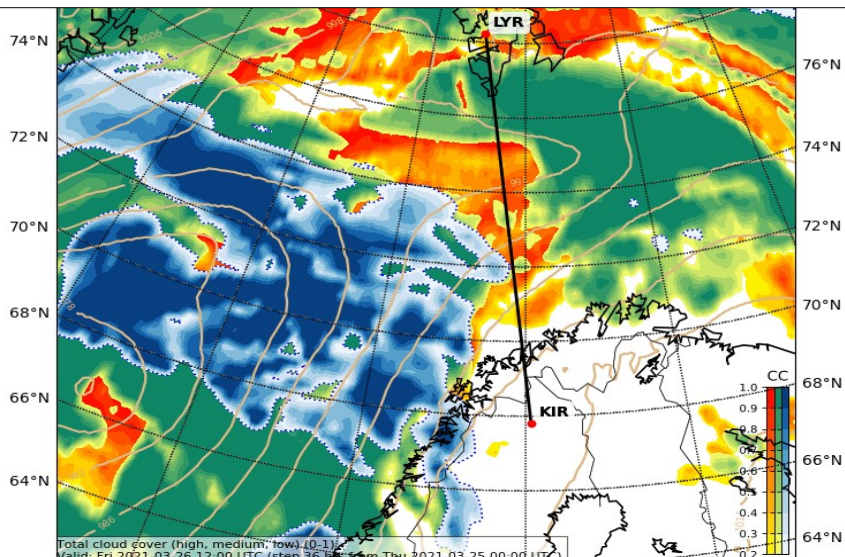
ECMWF previous (Thu, 00 UTC): 12 UTC



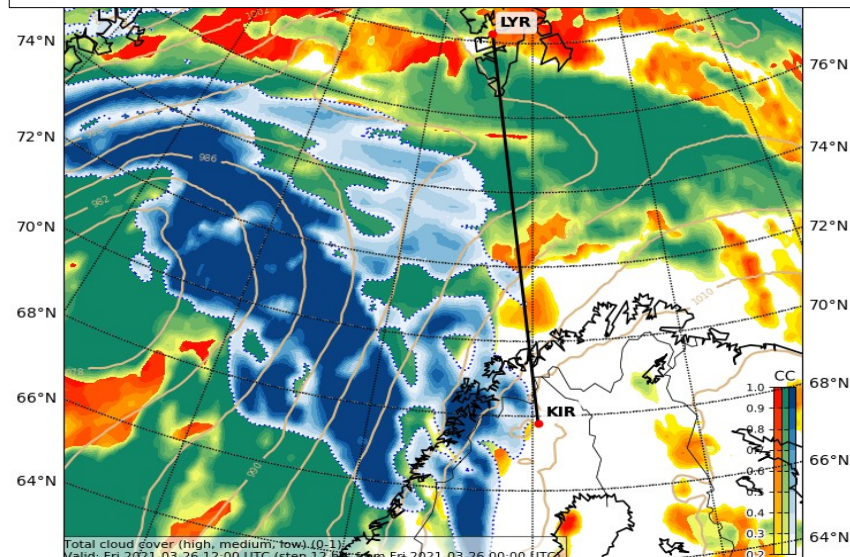
ECMWF most recent (Fri, 00 UTC): 12 UTC



ICON previous (Thu, 00 UTC): 12 UTC

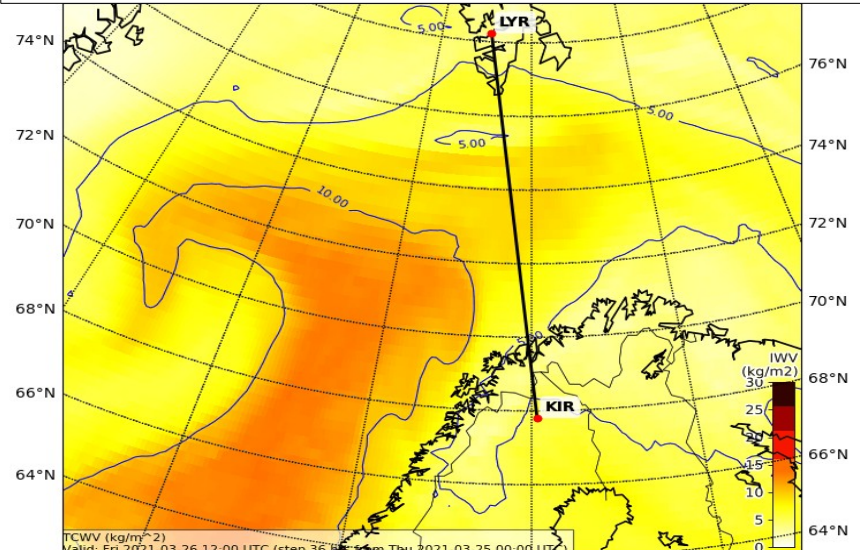


ICON most recent (Fri, 00 UTC): 12 UTC

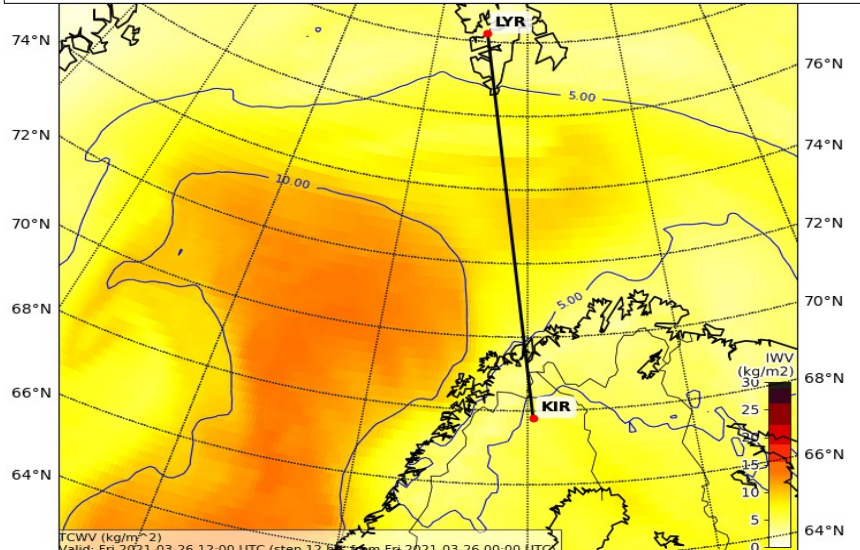


Integrated water vapour & integrated vapour transport (ECMWF): Fri. 26/03, 12 UTC

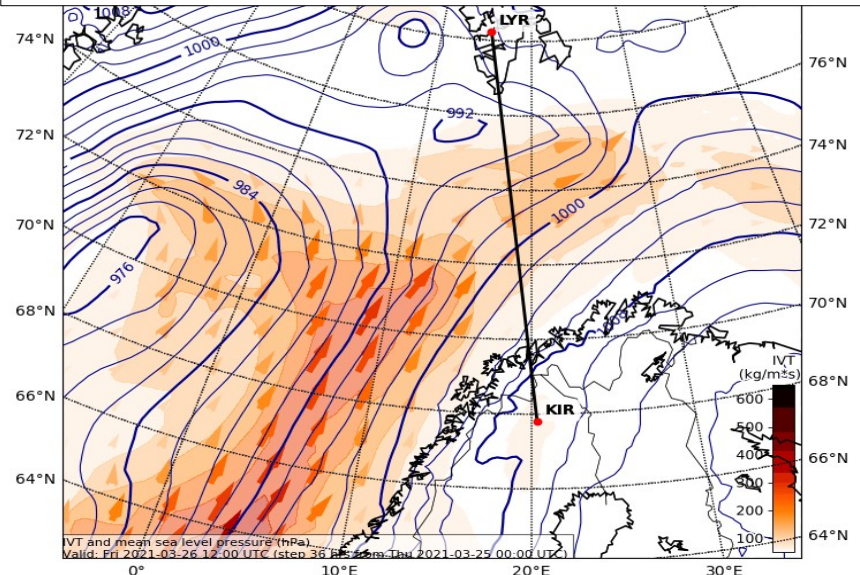
IWV (previous forecast), 12 UTC



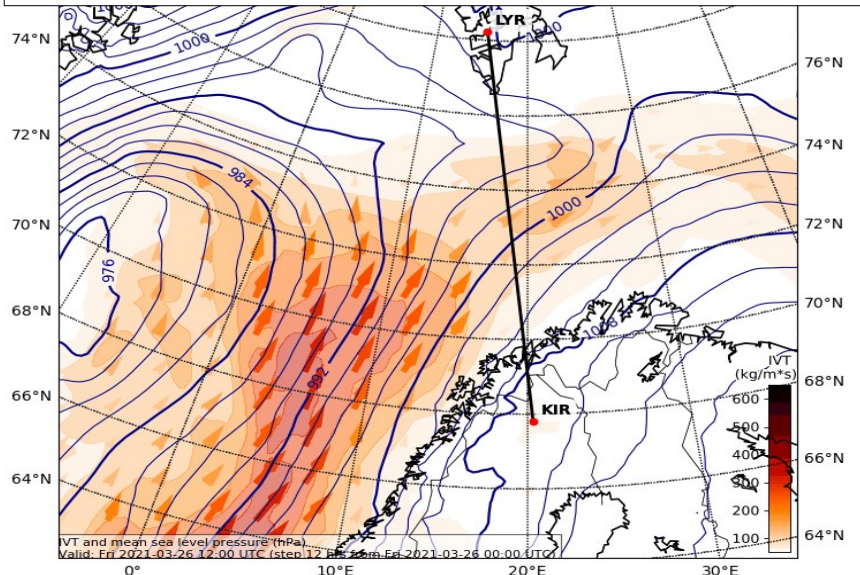
IWV (most recent forecast), 12 UTC



IVT (previous forecast), 12 UTC



IVT (previous forecast), 12 UTC



Summary

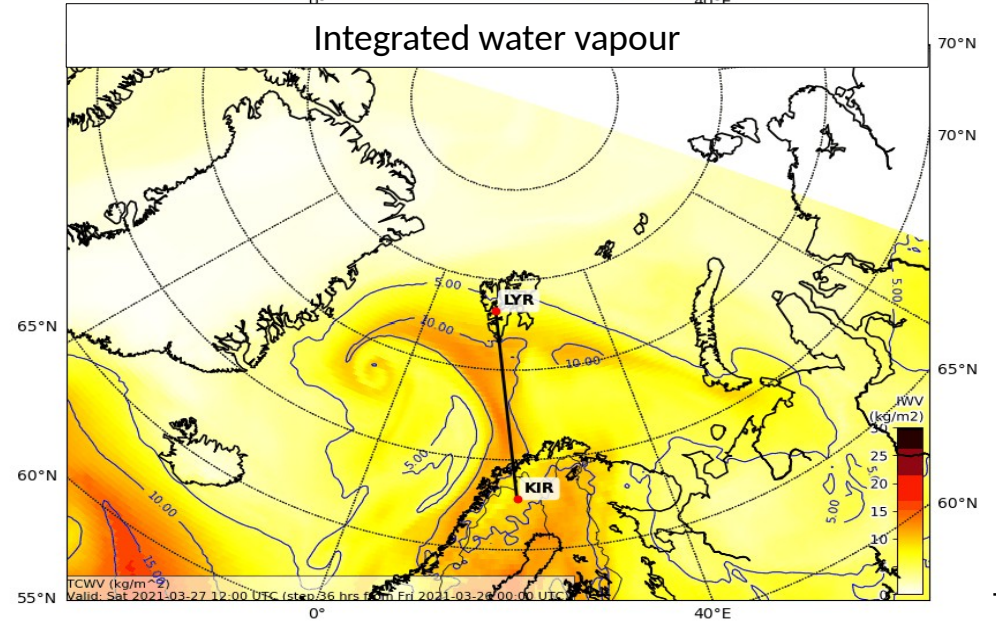
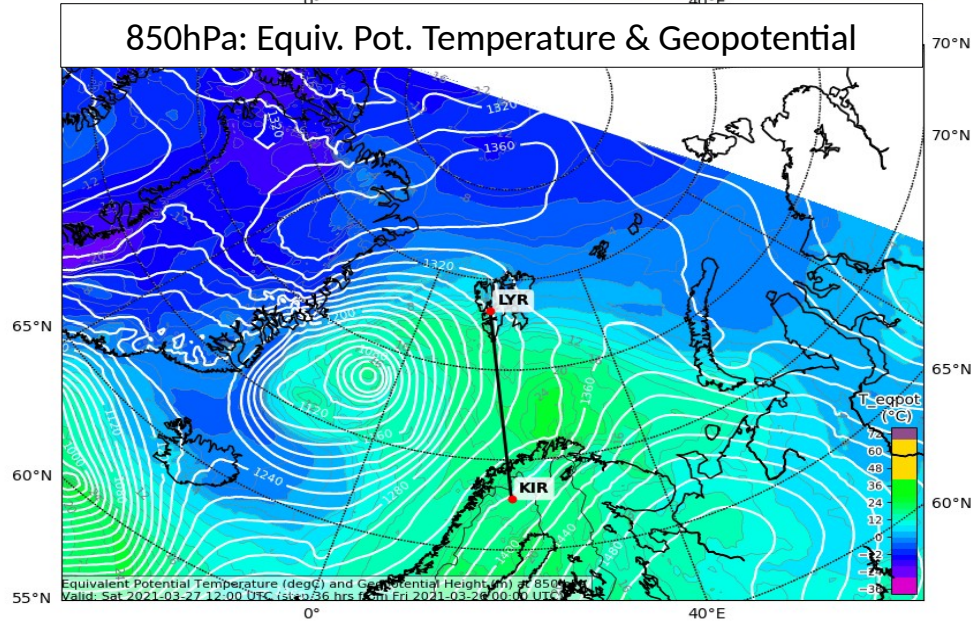
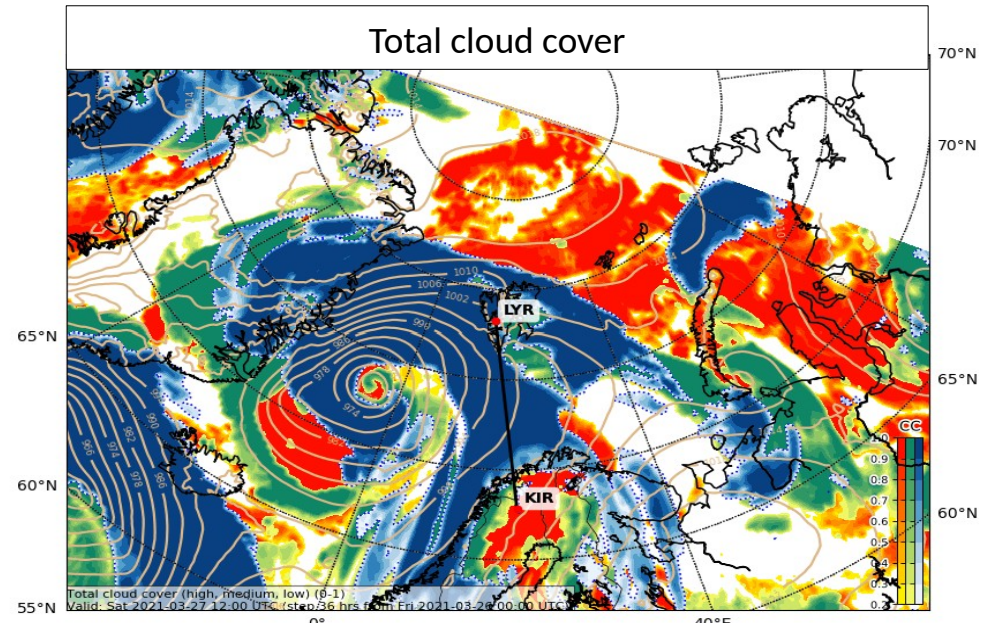
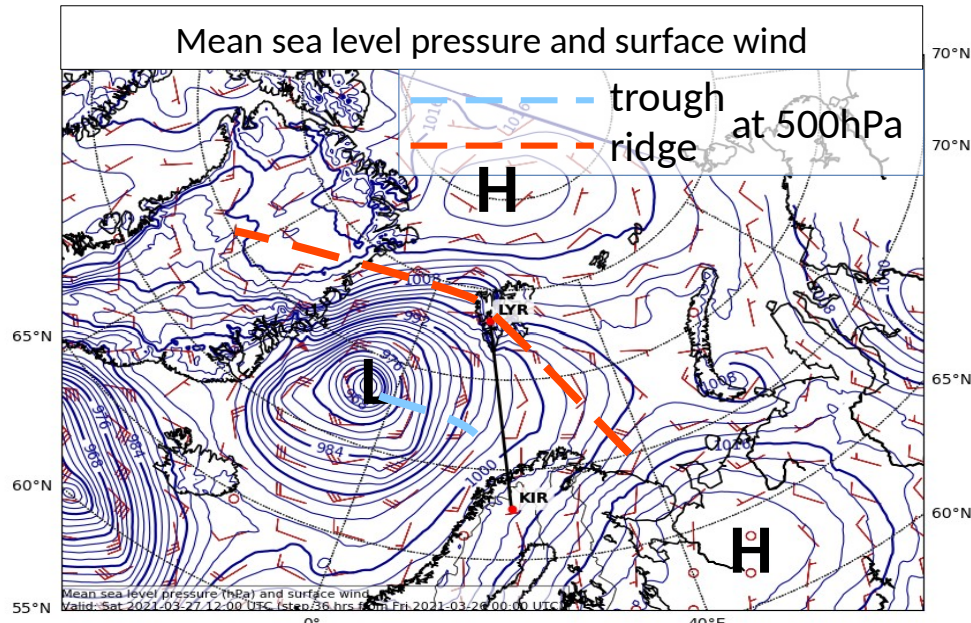
- Conditions at both airports good. Near LYR, few/scattered clouds might still appear over the day at 1000-2000ft

Changes in the forecasts regarding cloud cover and IWW/IVT:

- Warm front SE of Svalbard a bit less pronounced
- Low NE of iceland slightly more towards NE

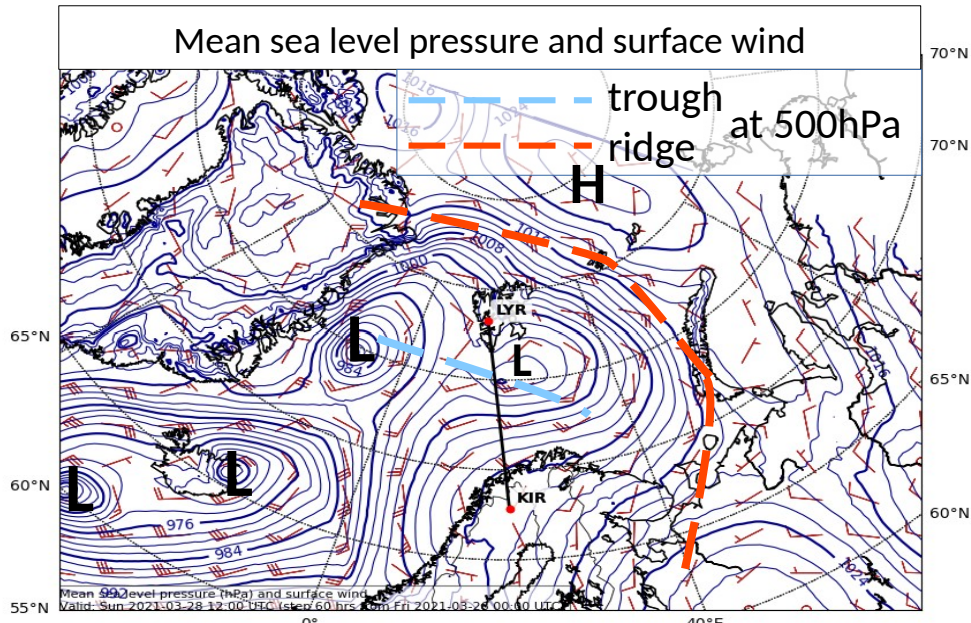
Outlook

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

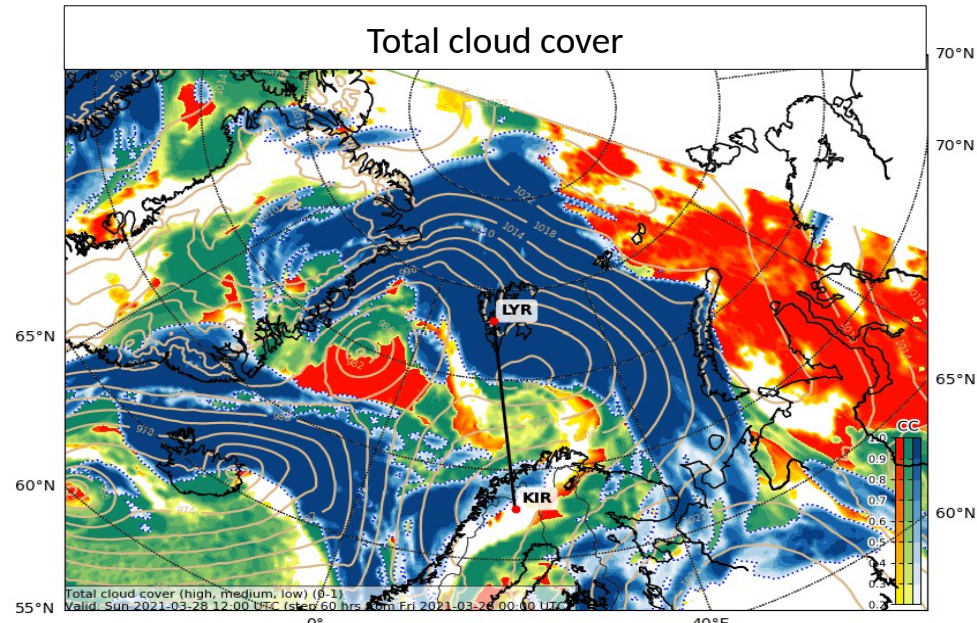


General weather situation (ECMWF): Sun. 28/03, 12 UTC

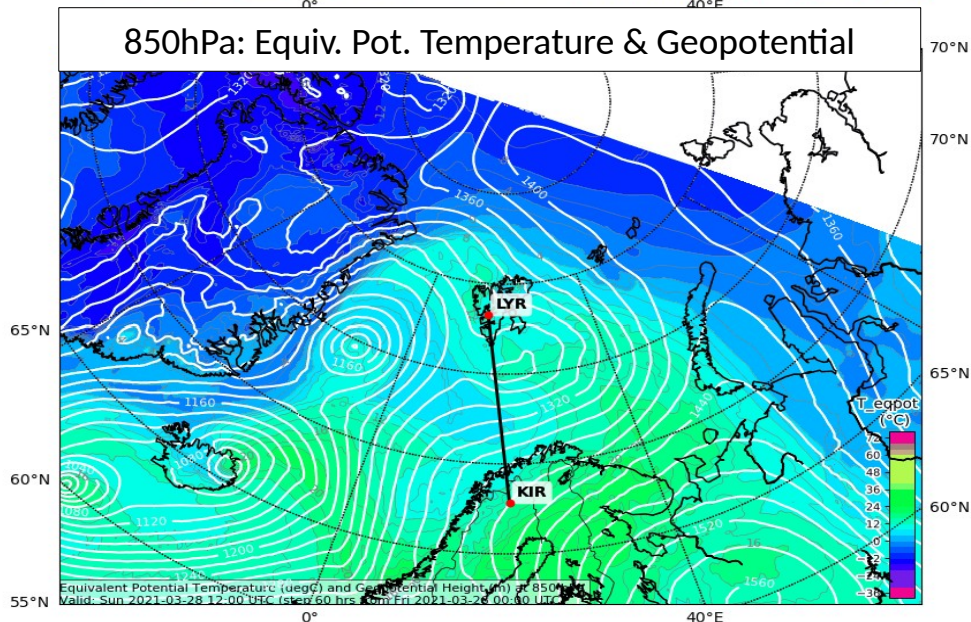
Mean sea level pressure and surface wind



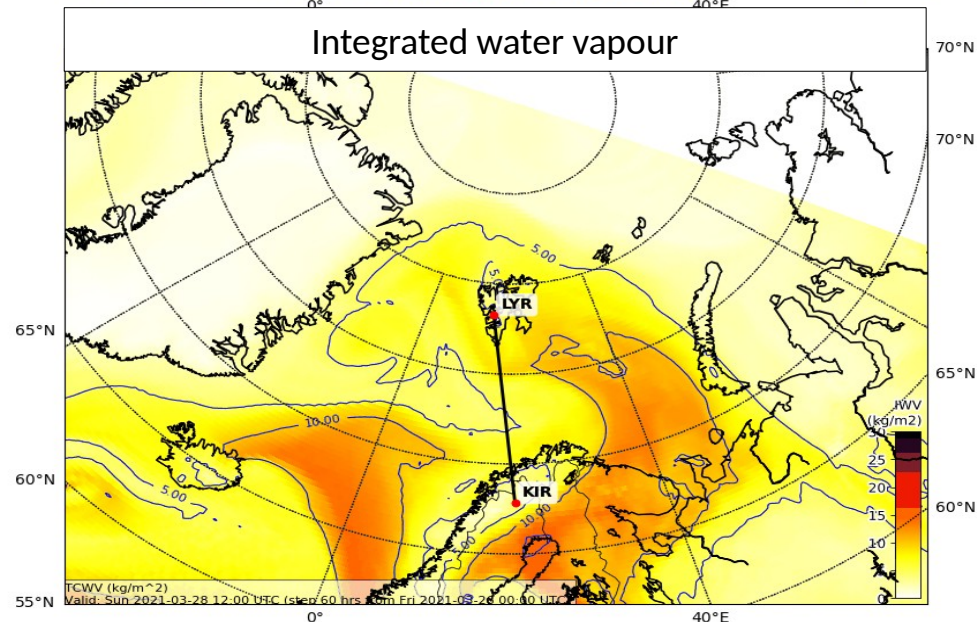
Total cloud cover



850hPa: Equiv. Pot. Temperature & Geopotential

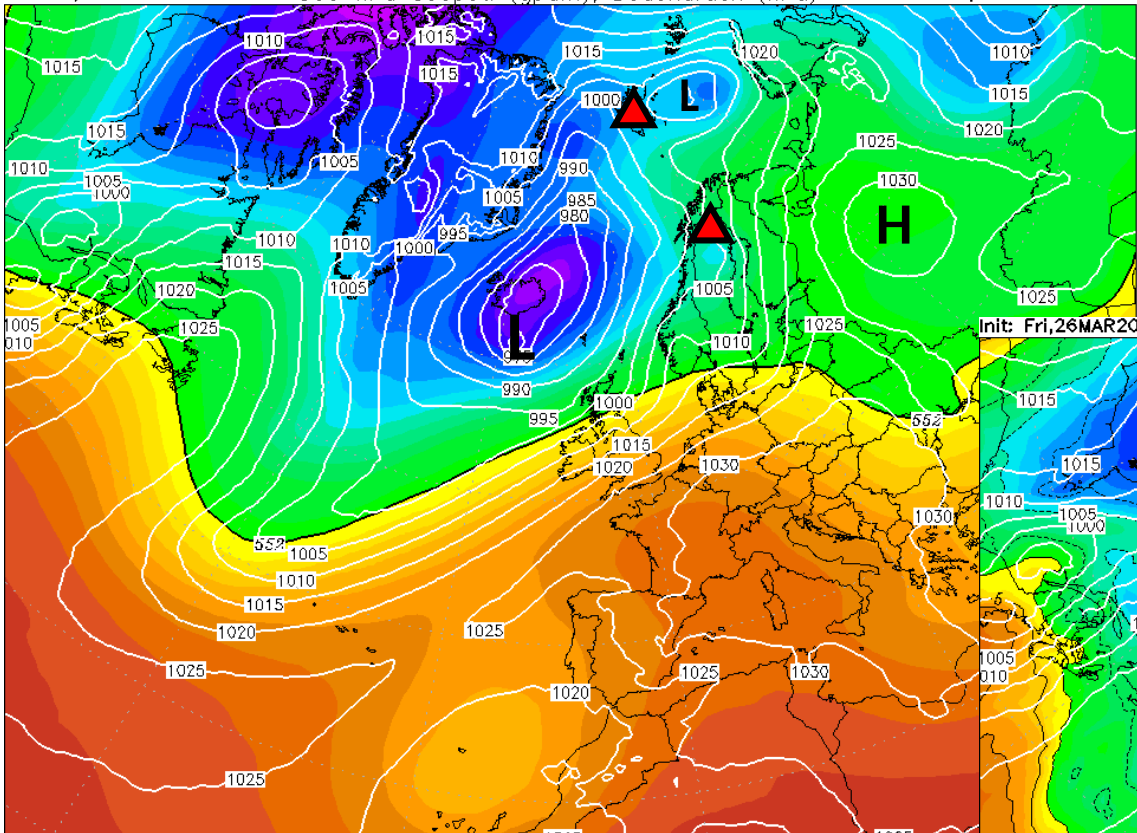


Integrated water vapour



General weather situation (ECMWF): Mon. 29/03, 00 UTC

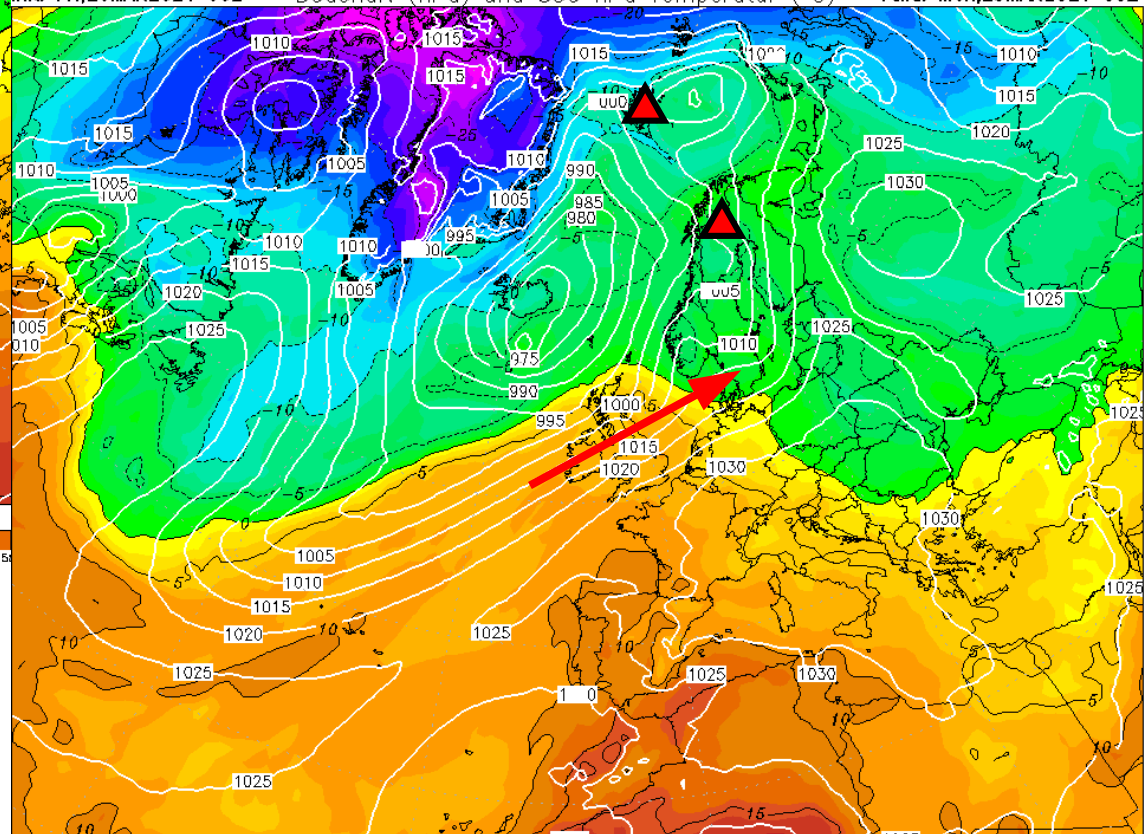
Init: Fri,26MAR2021 00Z 500 hPa Geopot. (gpm), Bodendruck (hPa) Valid: Mon,29MAR2021 00Z



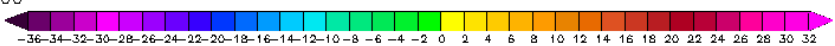
Data: ECMWF OPERATIONAL 0.500°
(C) Wetterzentrale
www.wetterzentrale.de



Init: Fri,26MAR2021 00Z Bodendr. (hPa) und 850 hPa Temperatur (°C) Valid: Mon,29MAR2021 00Z

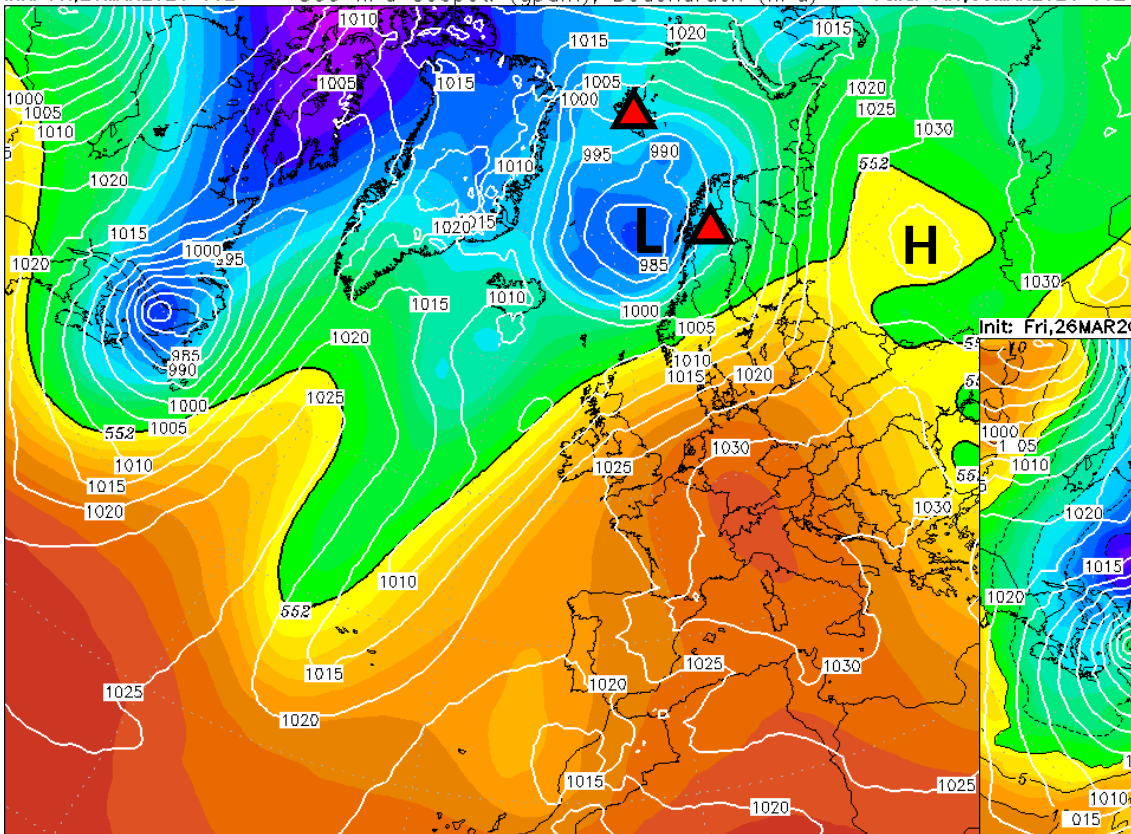


Data: ECMWF OPERATIONAL 0.500°
(C) Wetterzentrale
www.wetterzentrale.de

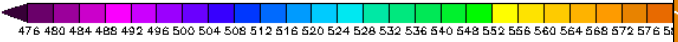


General weather situation (ECMWF): Tue. 30/03, 00 UTC

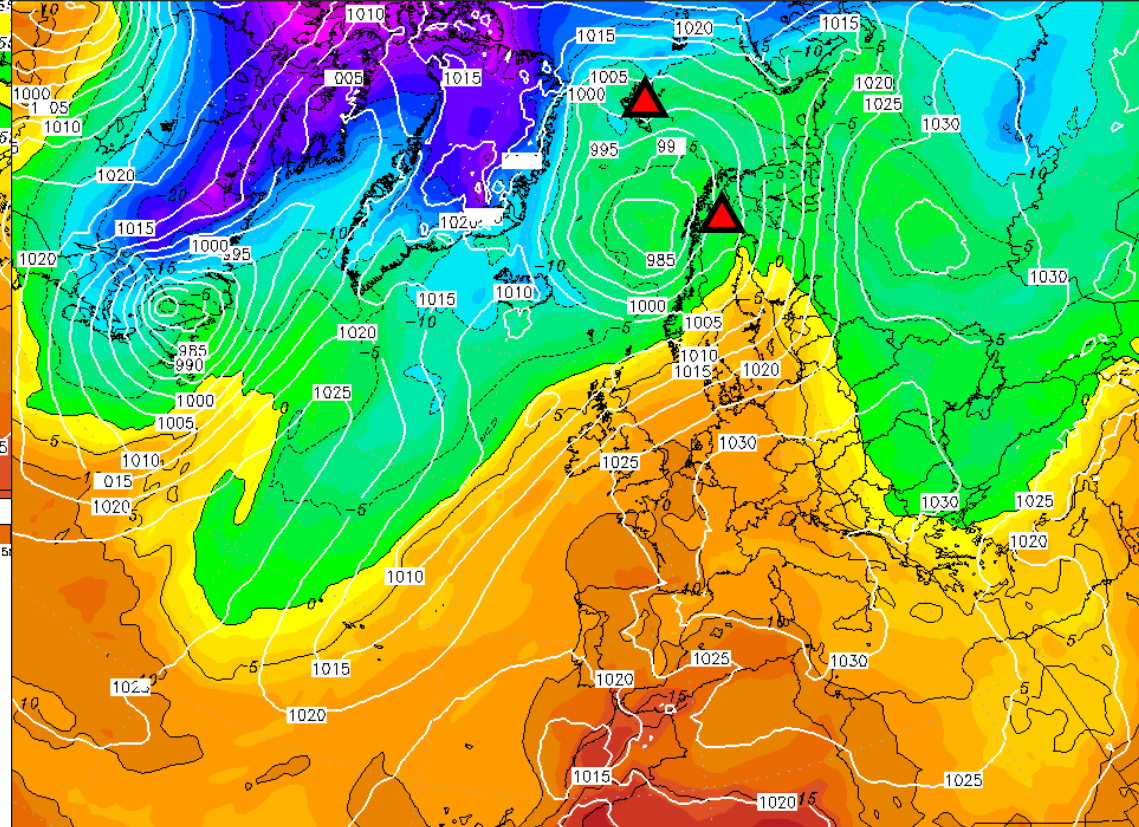
Init: Fri,26MAR2021 00Z 500 hPa Geopot. (gpm), Bodendruck (hPa) Valid: Tue,30MAR2021 00Z



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



Init: Fri,26MAR2021 00Z Bodendr. (hPa) und 850 hPa Temperatur (°C) Valid: Tue,30MAR2021 00Z



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

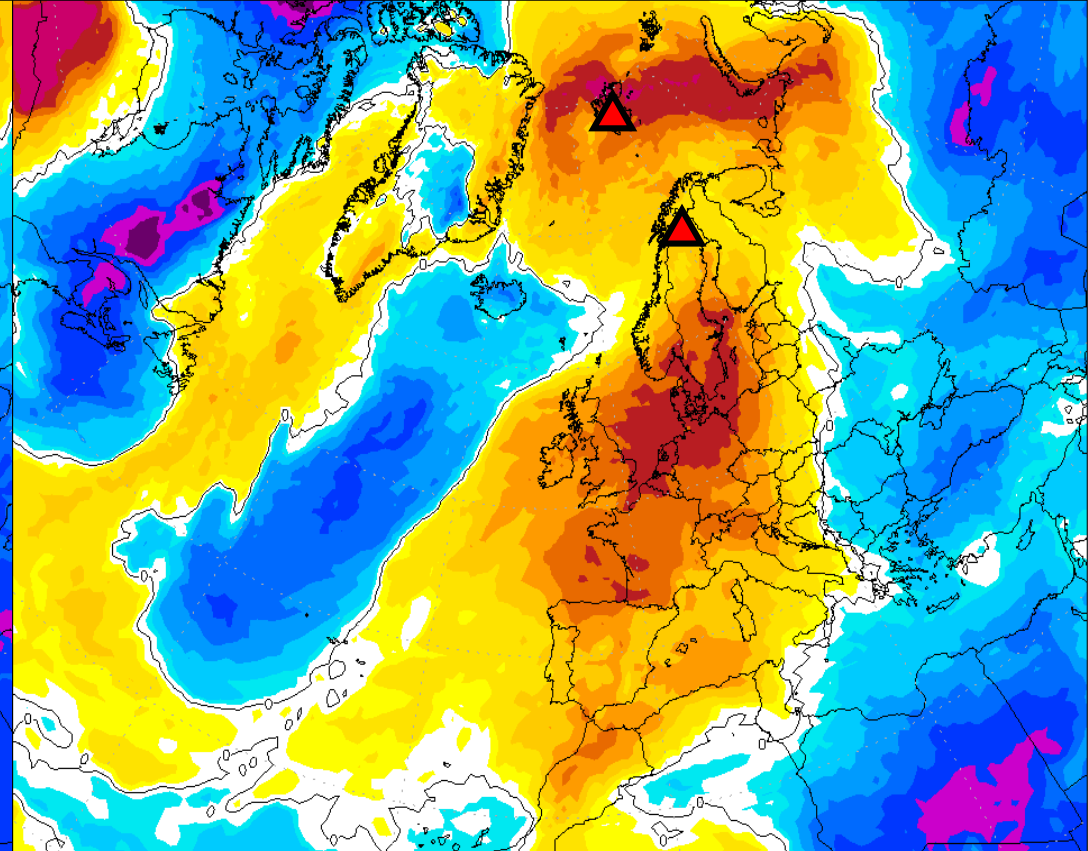
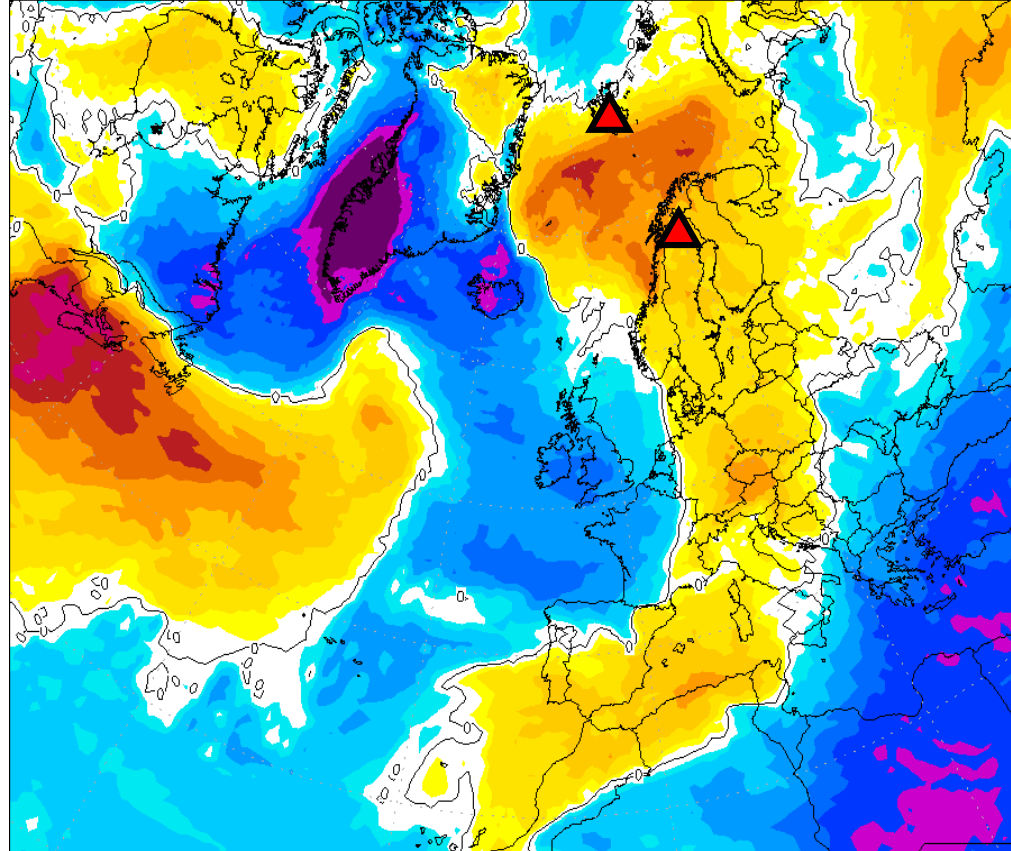


Temperature anomaly (K) from ECMWF

T-Anomaly 850hPa: Sat, 26/03, 00 UTC

T-Anomaly 850hPa: Tue, 30/03, 00 UTC

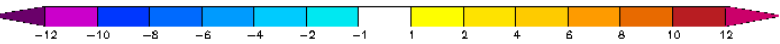
Init: Fri,26MAR2021 00Z 850 hPa Temp-Abw (K) vom 30J-Mittel 1981-2010Valid: Sat,27MAR2021 00Z 850 hPa Temp-Abw (K) vom 30J-Mittel 1981-2010Valid: Tue,30MAR2021 00Z



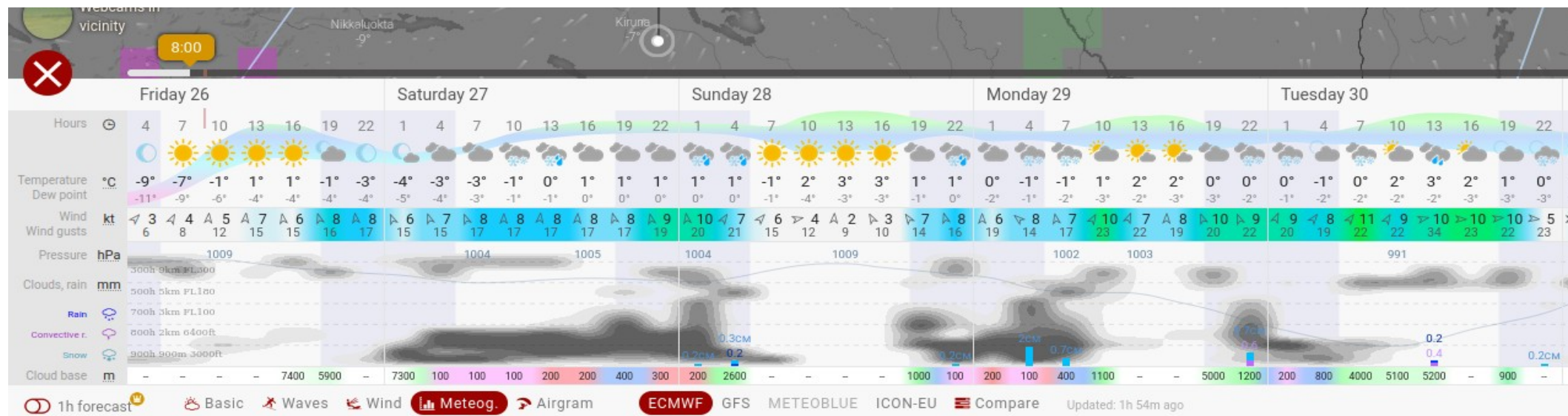
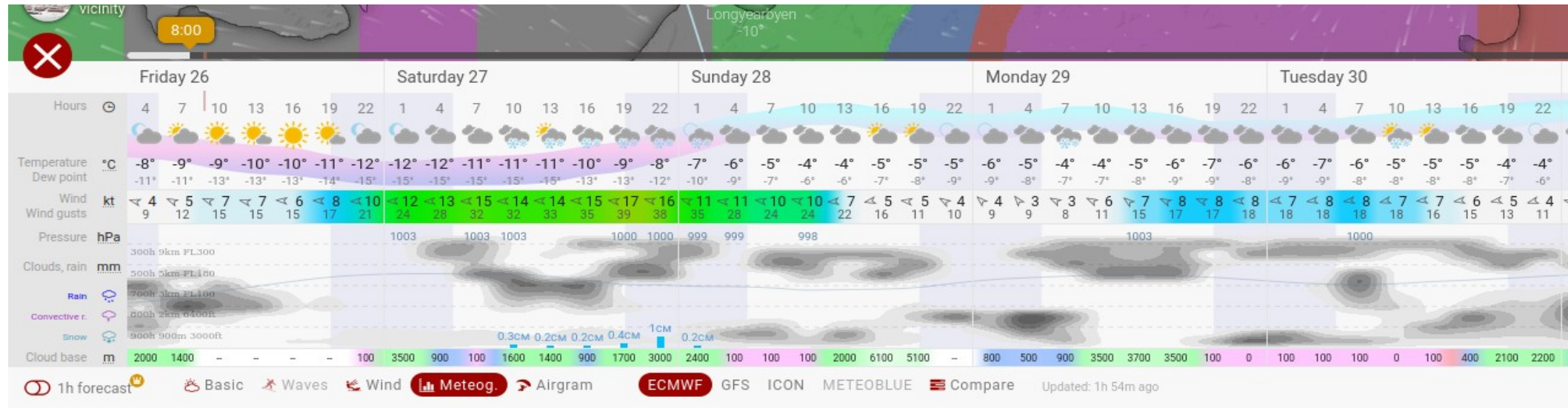
Data: ECMWF OPERATIONAL 0.500°
(C) Wetterzentrale
www.wetterzentrale.de



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(C) Wetterzentrale
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Meteograms LYR (top) and Kiruna (bottom)



Summary

- Sat: Low pressure system close to Svalbard causing multiple cloud layers and precipitation over the island
- Kiruna also affected by this low due to increasing cloud cover
- Sun: Ongoing influence by low pressure systems
- Further outlook: Warmer than average airmasses head a bit further to North over the entire region around Svalbard