

Weather Briefing

HALO-(AC)³

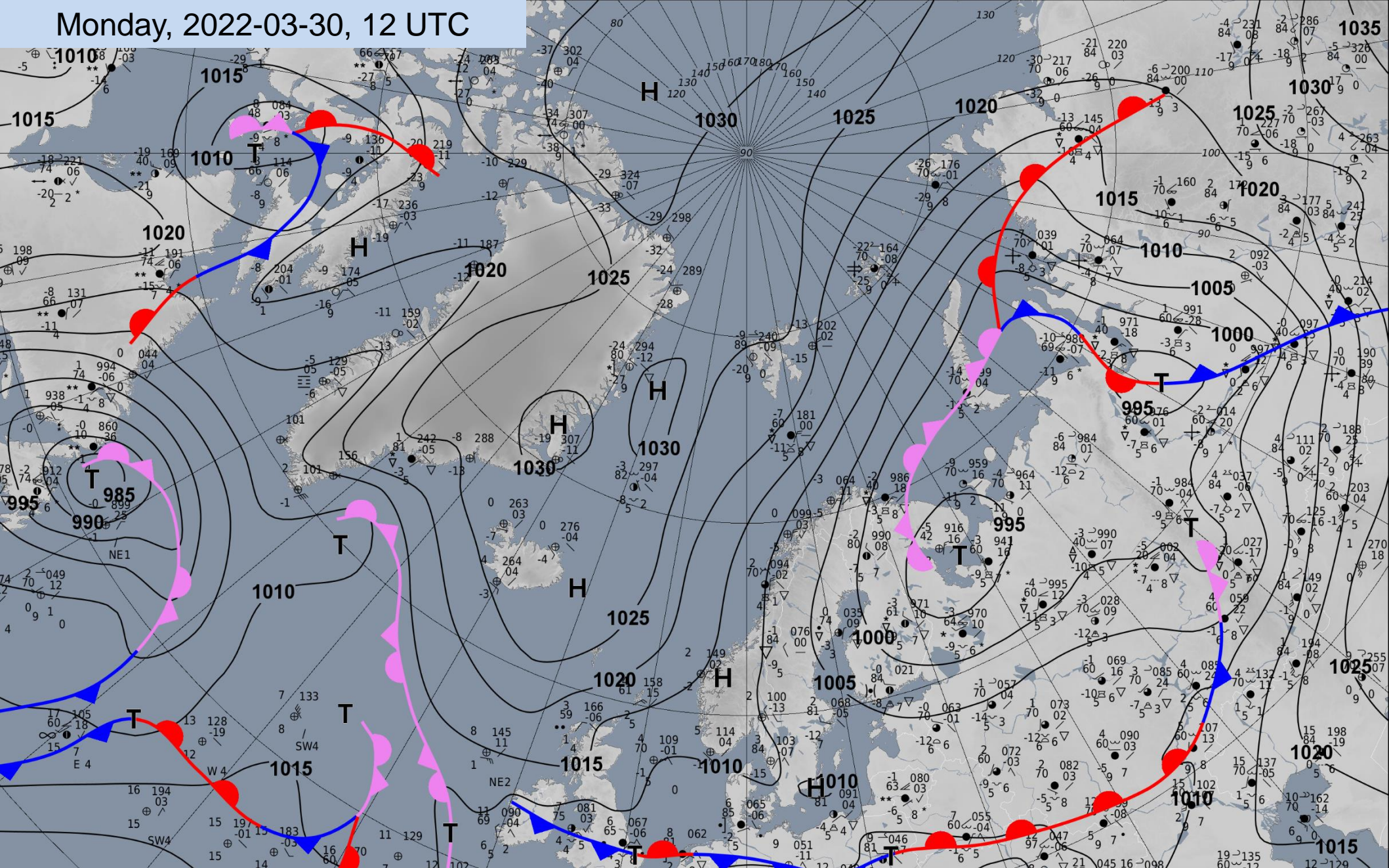
Wednesday, 2022-03-30, 17:00 LT

Surface Analysis

Wednesday, 2022-03-30 12 UTC

DWD

Monday, 2022-03-30, 12 UTC



Surface wind development and precipitation

2022-03-30 00 UTC: 36 – 108h

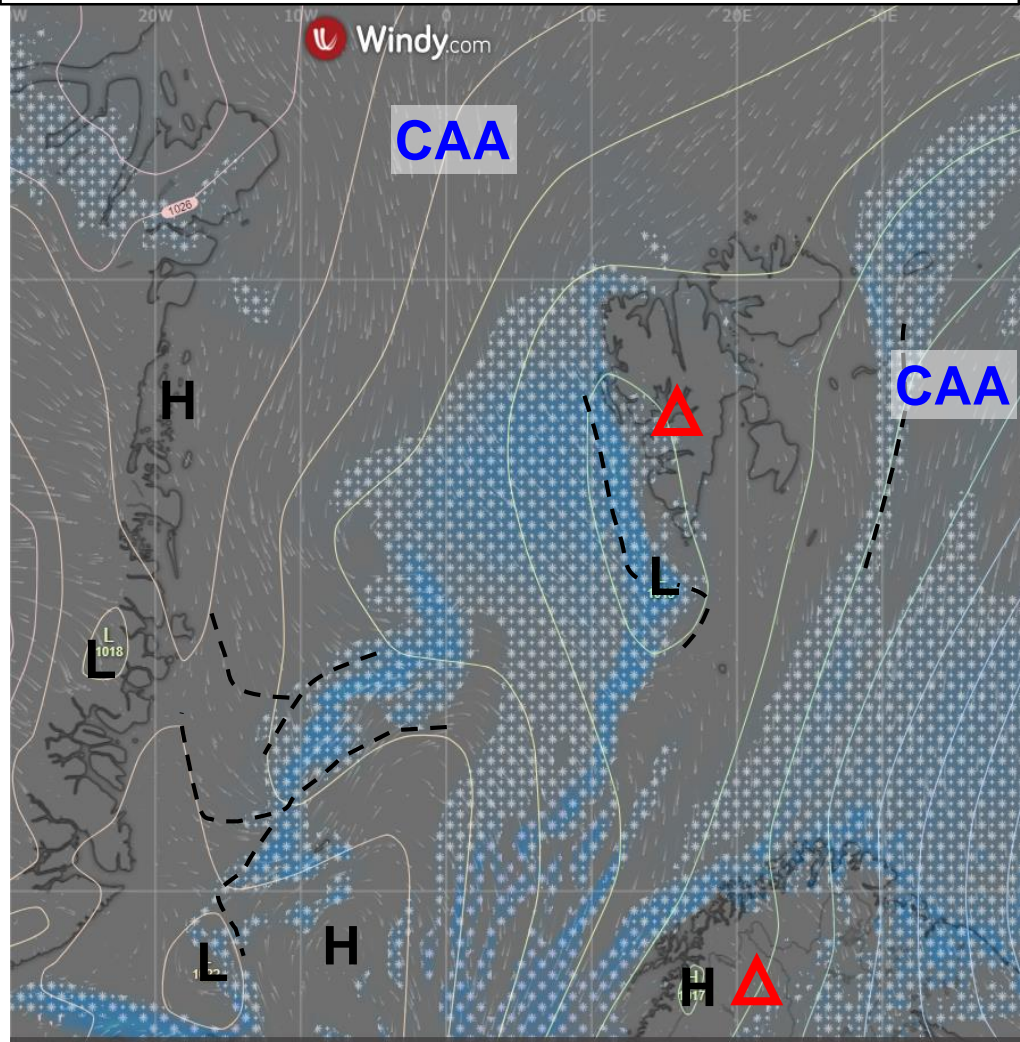
ECMWF & ICON

CAA: Cold Air Advection

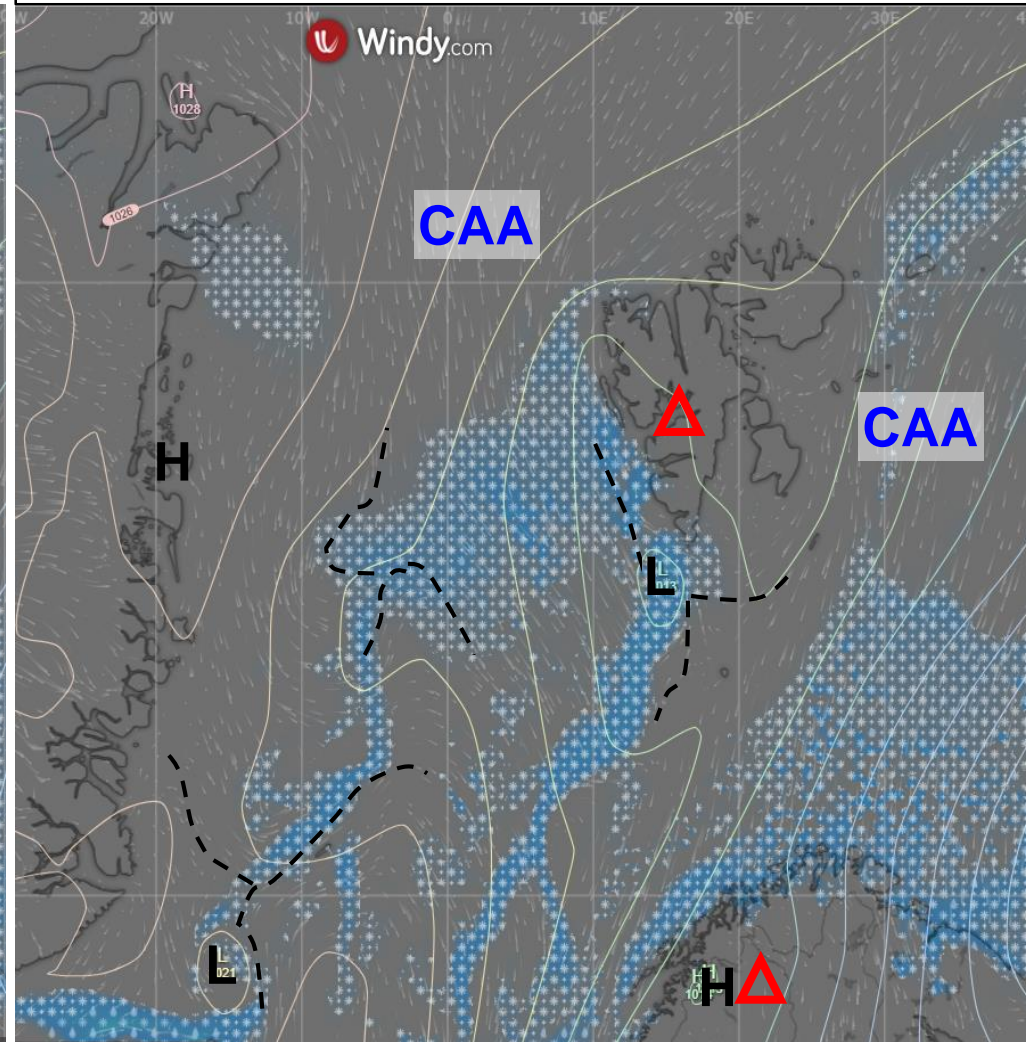
WAA: Warm Air Advection

Thursday, 2022-03-31 12 UTC (+36 h)

ECMWF

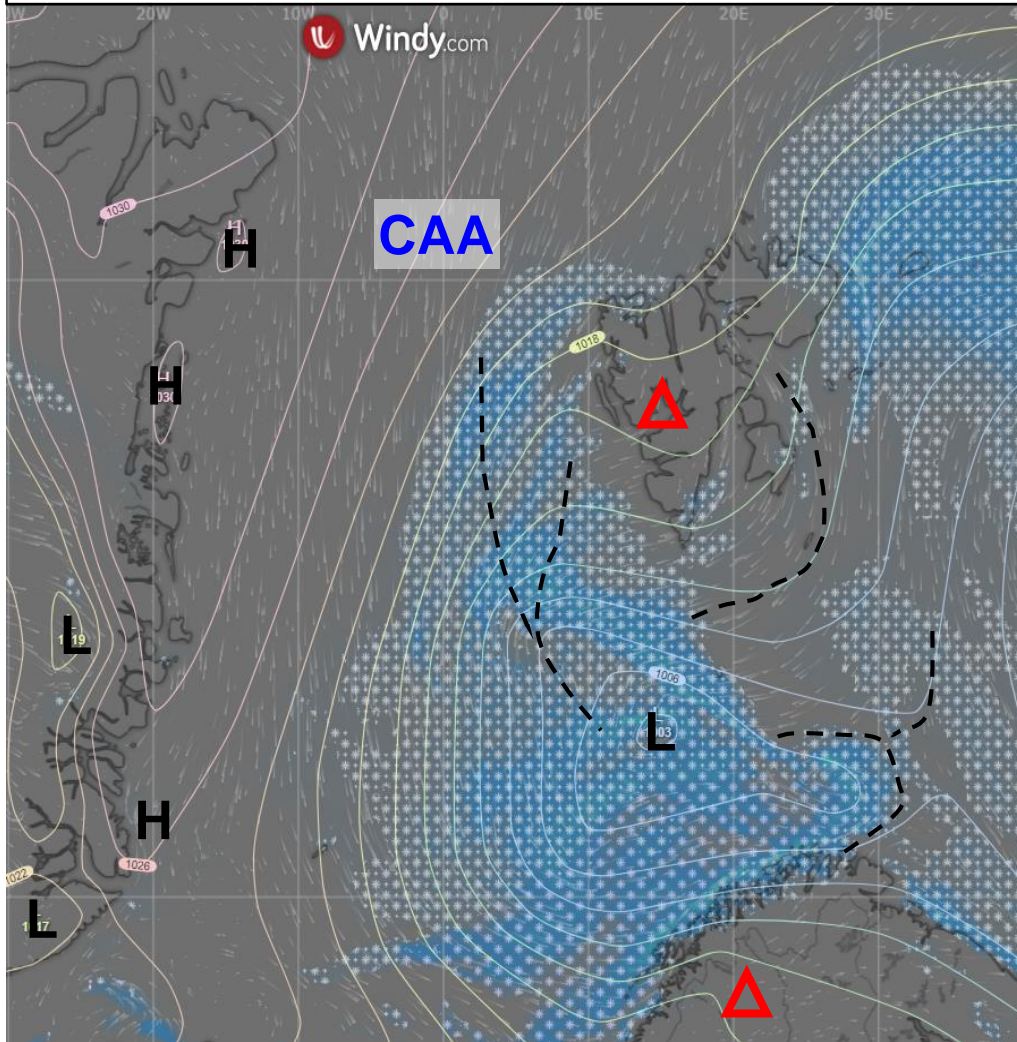


ICON

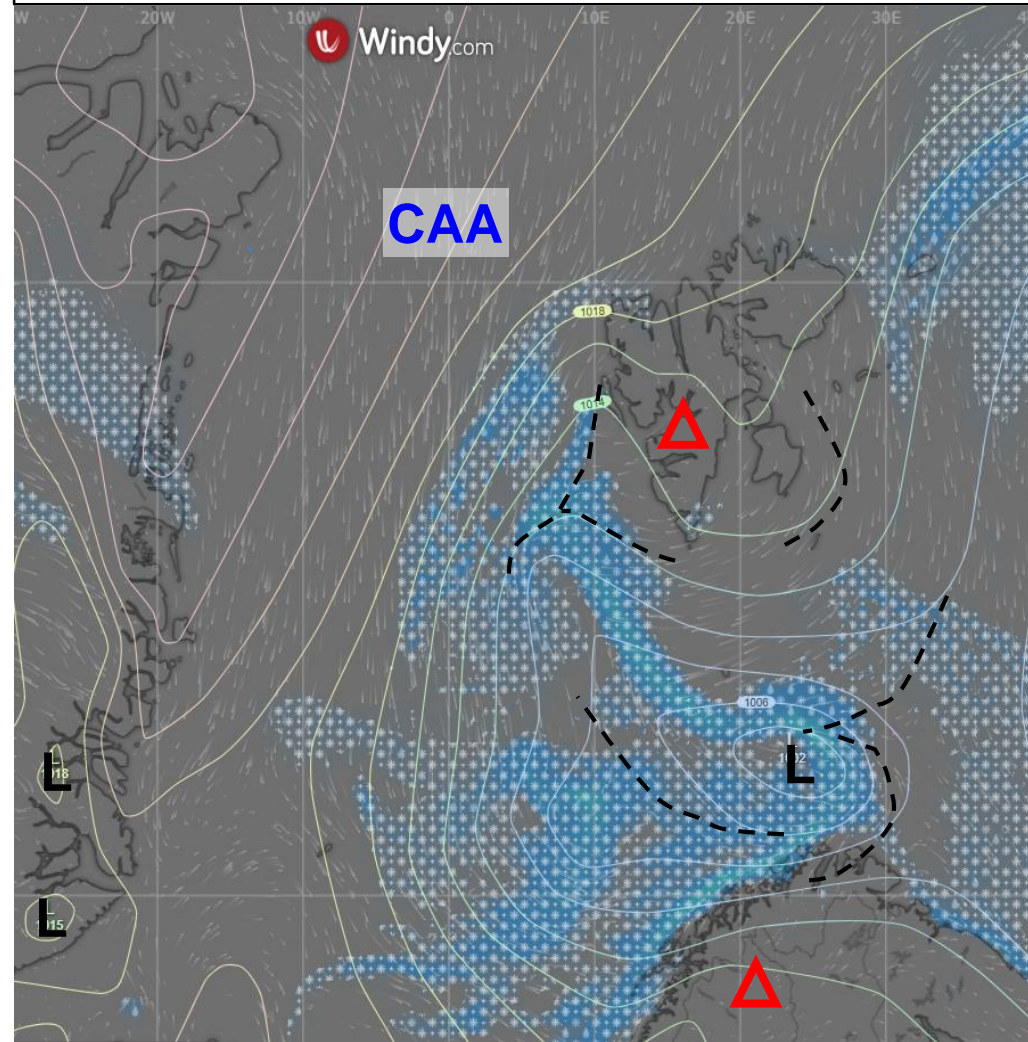


Friday, 2022-04-01 12 UTC (+60h)

ECMWF

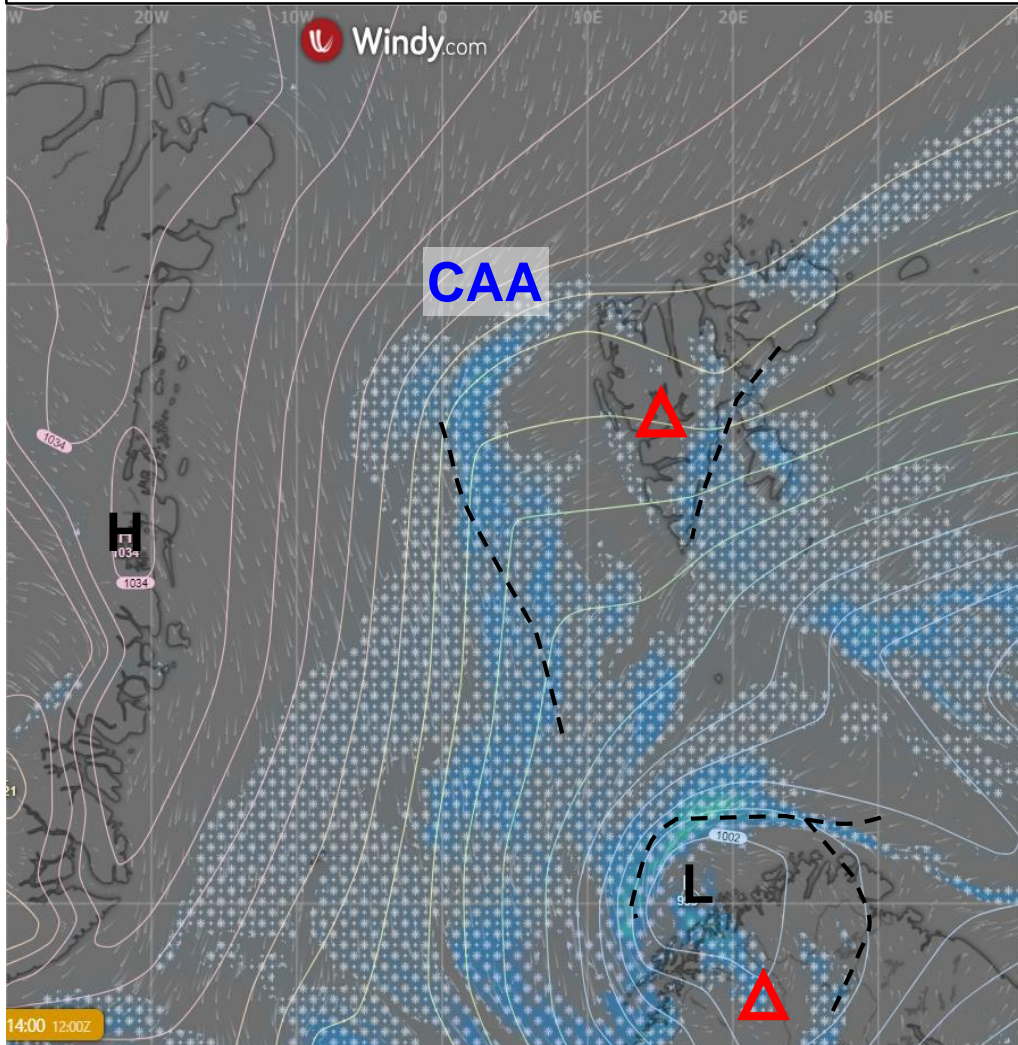


ICON

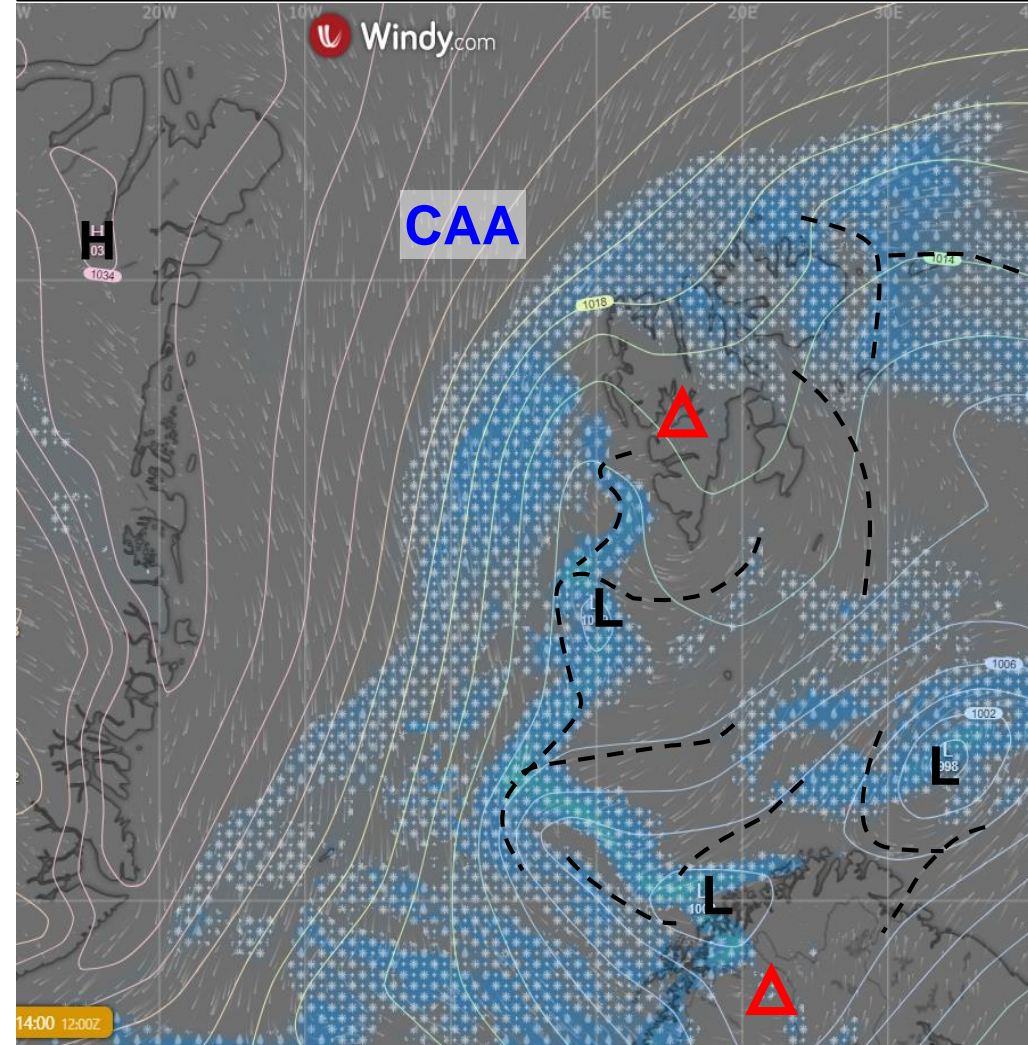


Saturday, 2022-04-02 12 UTC (+84h)

ECMWF

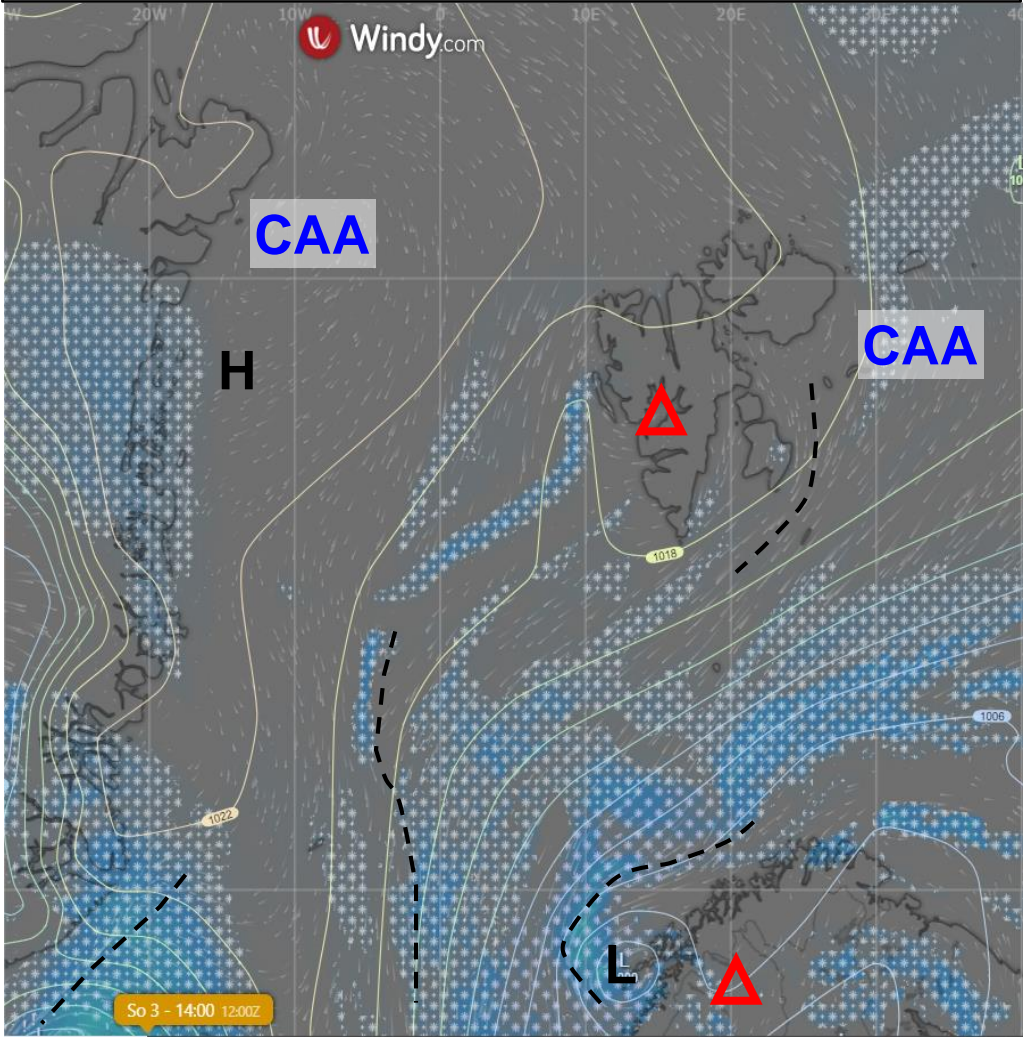


ICON

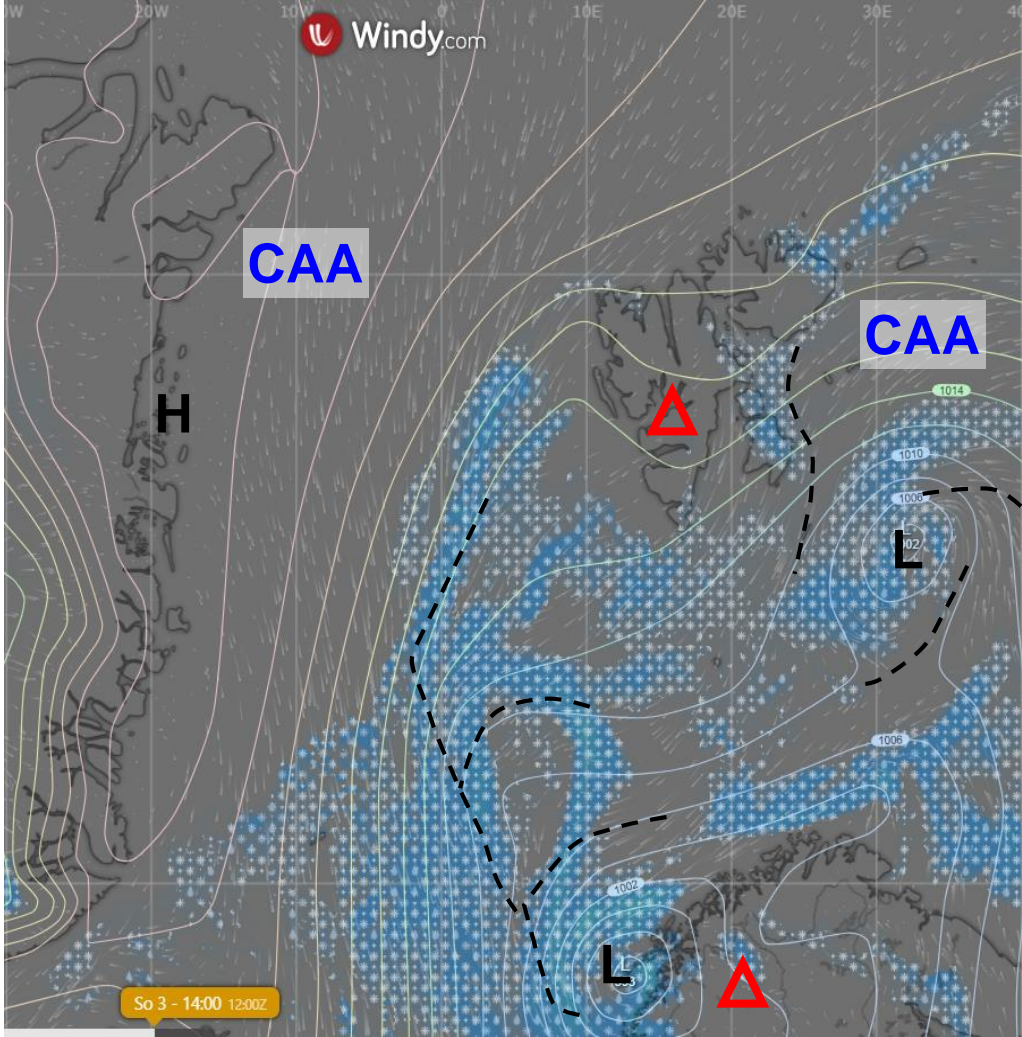


Sunday, 2022-04-03 12 UTC (+108h)

ECMWF



ICON



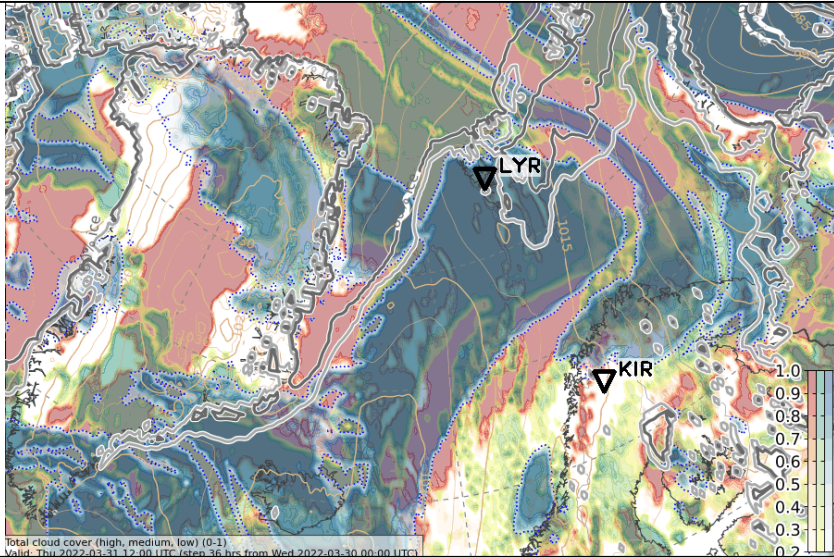
Cloud cover, CAO index, Airmasses, IVT

2022-03-30 00 UTC: 36 – 108h

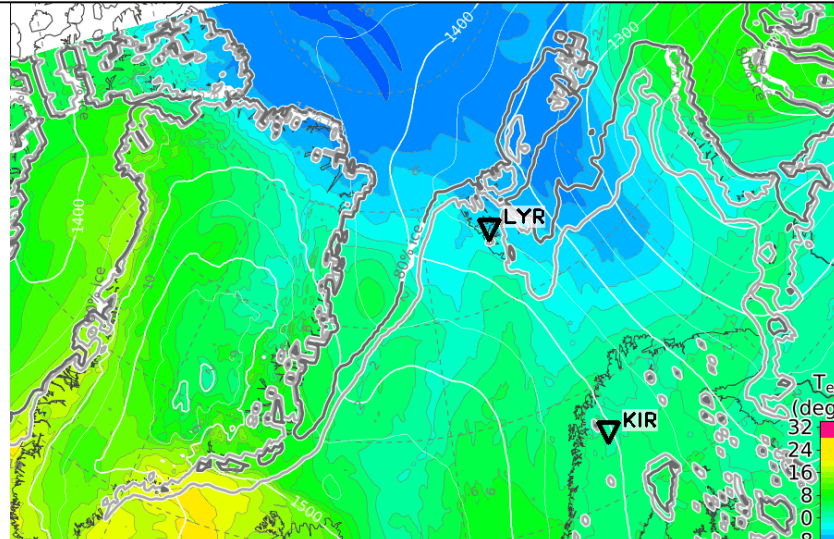
Cloud cover & 850hPa θ_e & CAO & IVT

Thursday, 2022-03-31 12 UTC (+36)

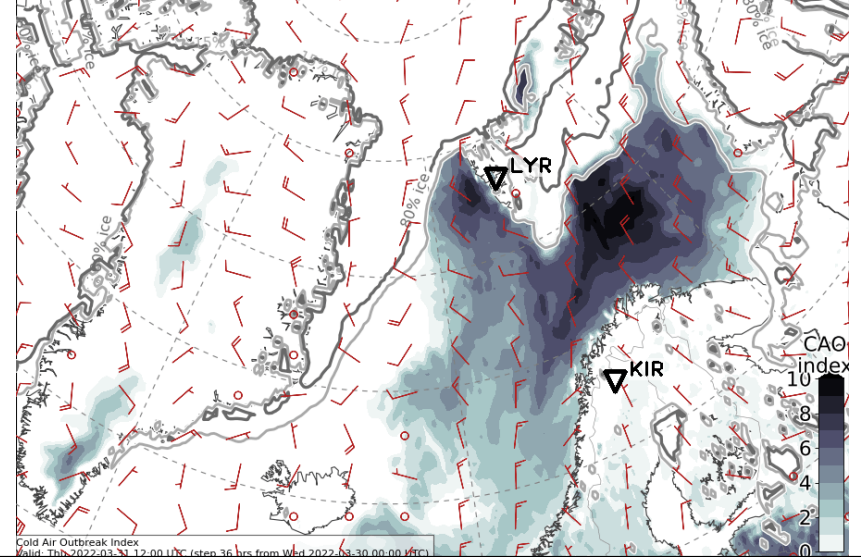
Total Cloud Cover



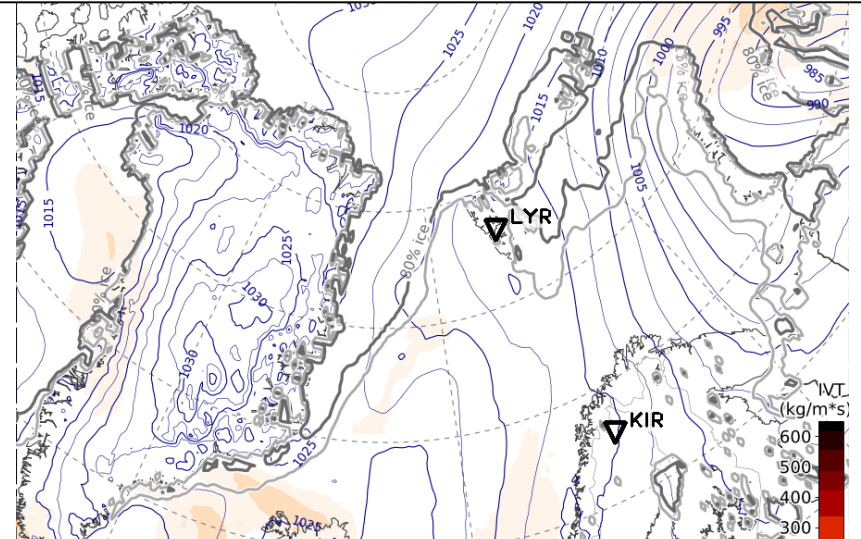
850 hPa Equ. pot. Temperature



CAO Index

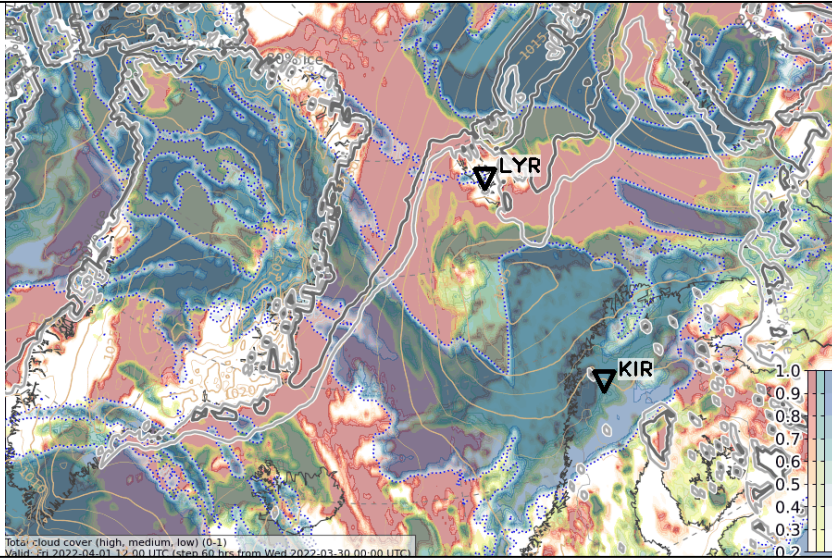


Integrated Water Vapor Transport

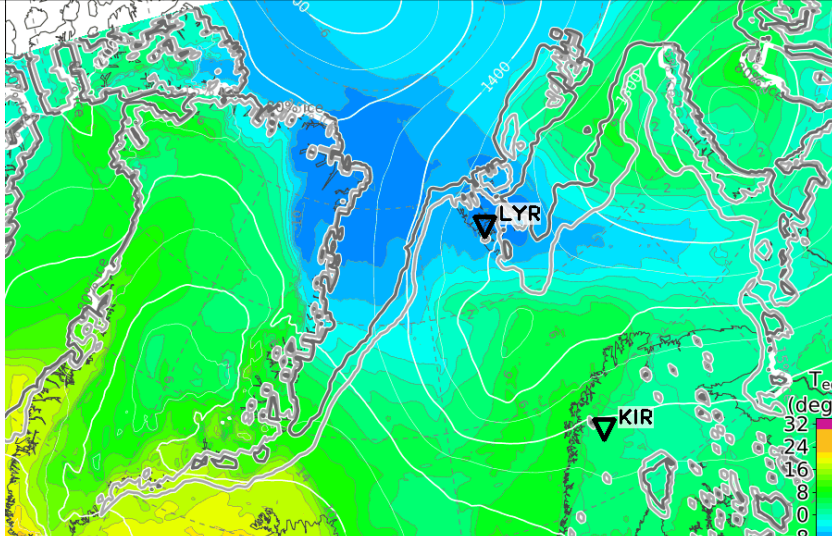


Friday, 2022-04-01 12 UTC (+60)

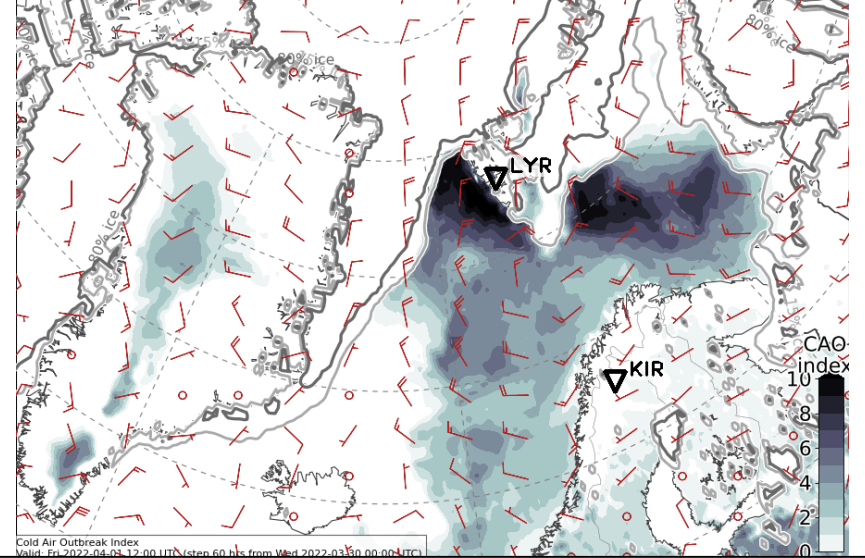
Total Cloud Cover



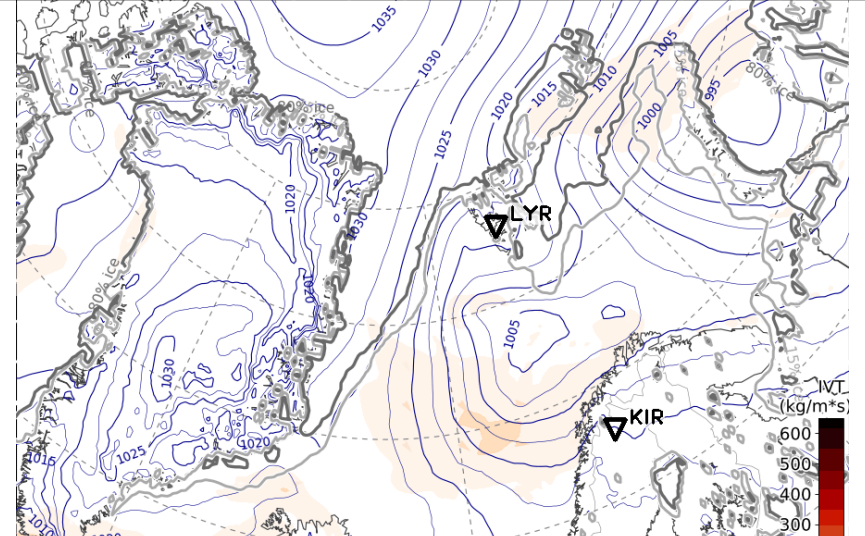
850 hPa Equ. pot. Temperature



CAO Index

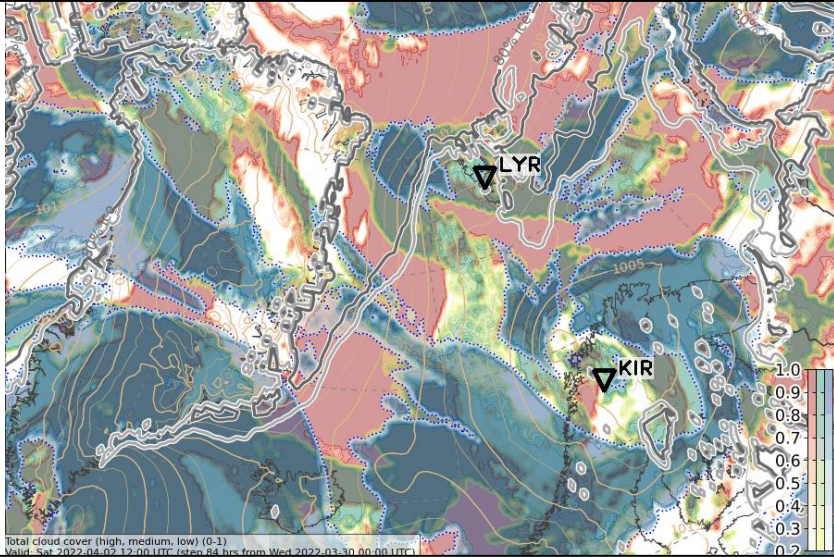


Integrated Water Vapor Transport

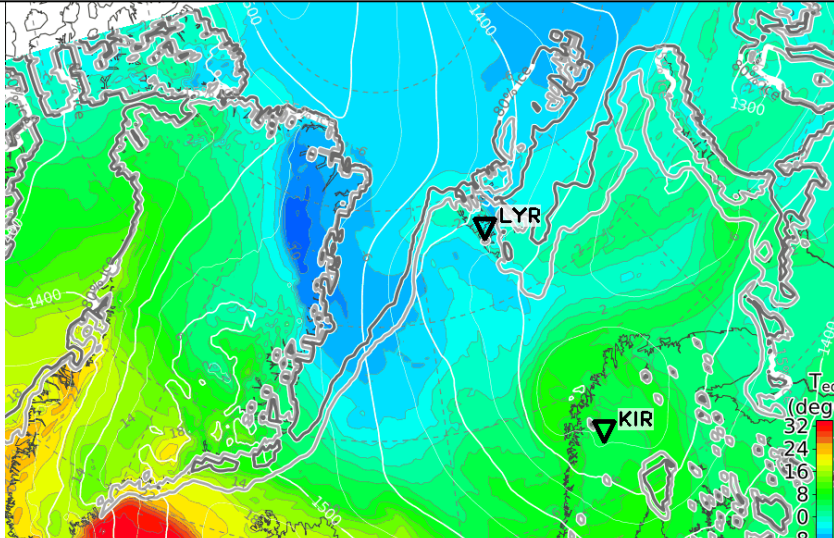


Saturday, 2022-04-02 12 UTC (+84)

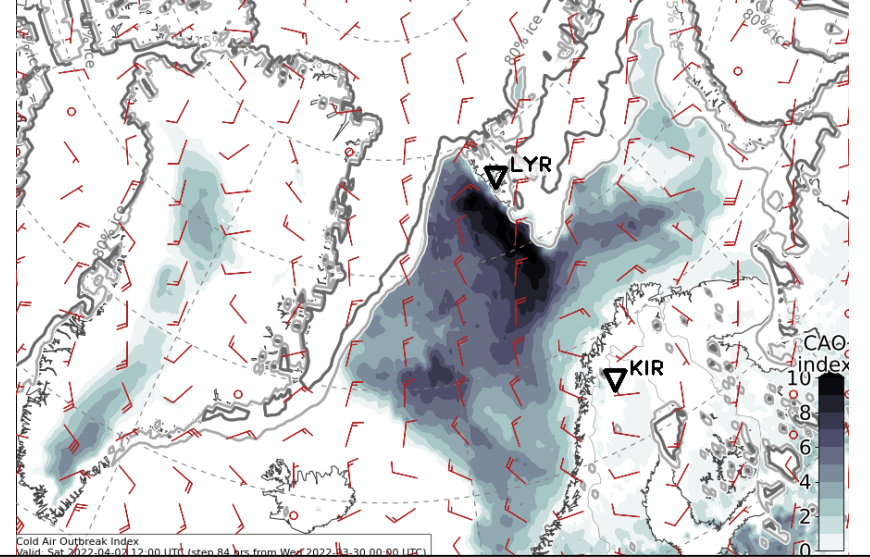
Total Cloud Cover



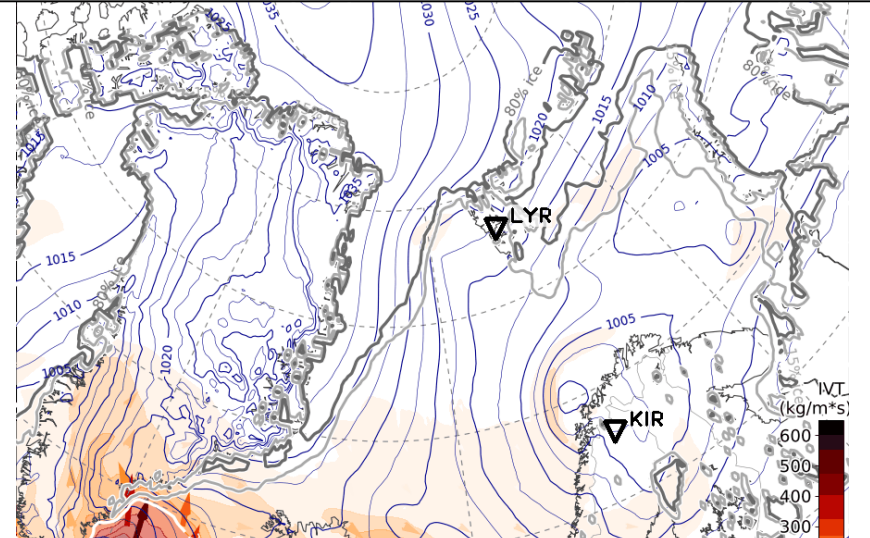
850 hPa Equ. pot. Temperature



CAO Index

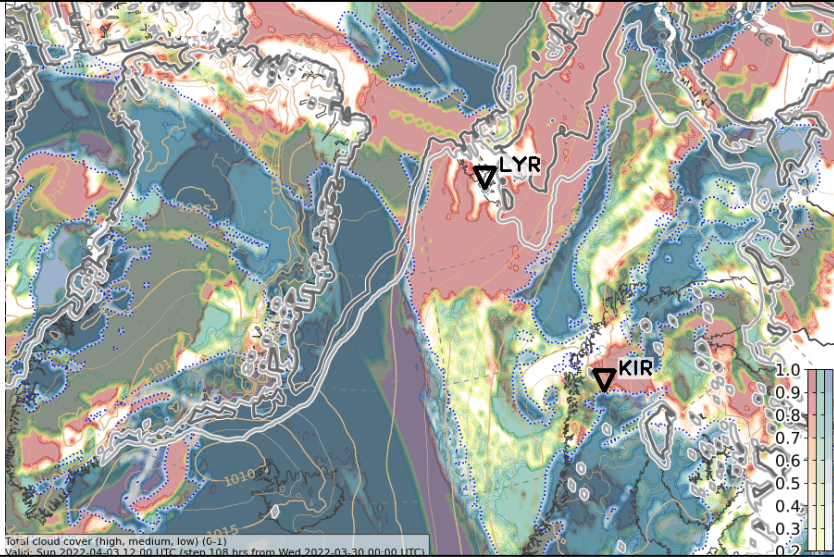


Integrated Water Vapor Transport

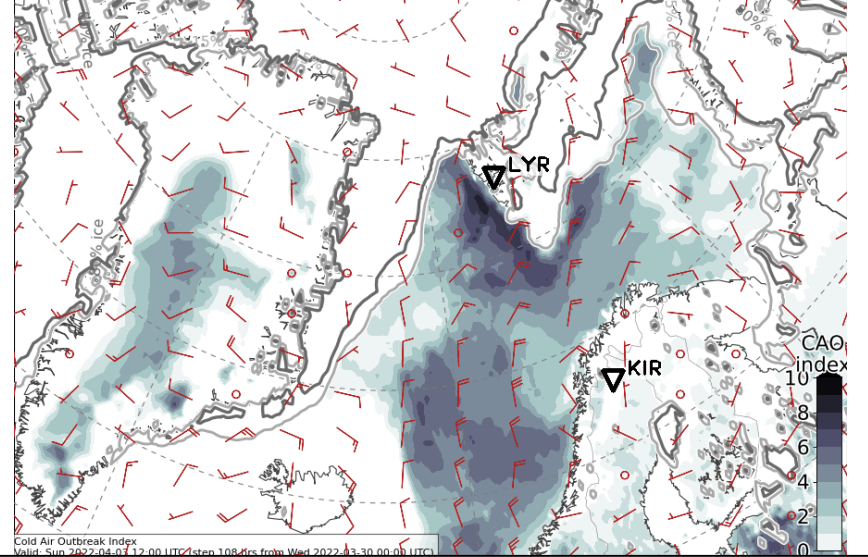


Sunday, 2022-04-03 12 UTC (+108)

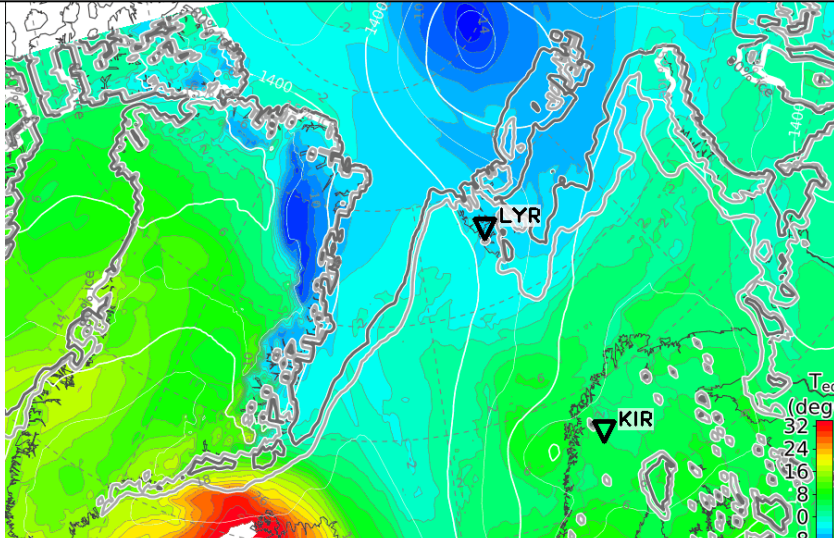
Total Cloud Cover



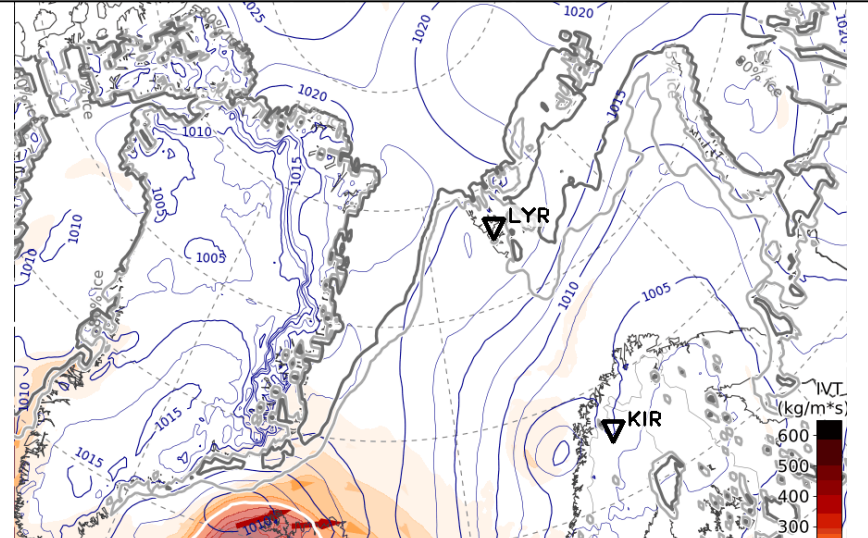
CAO Index



850 hPa Equ. pot. Temperature

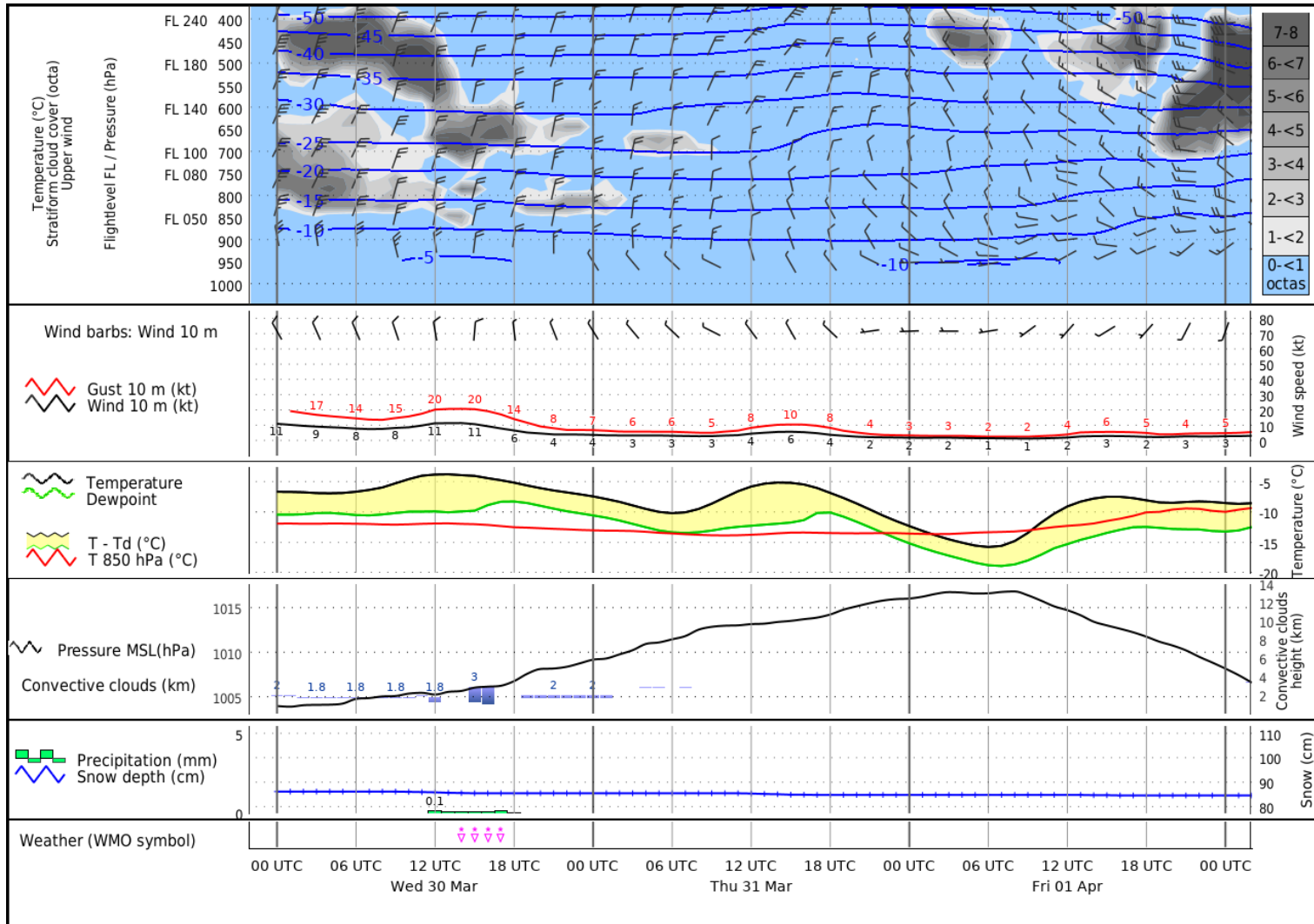


Integrated Water Vapor Transport



Airport meteograms & local weather at Svalbard

Kiruna



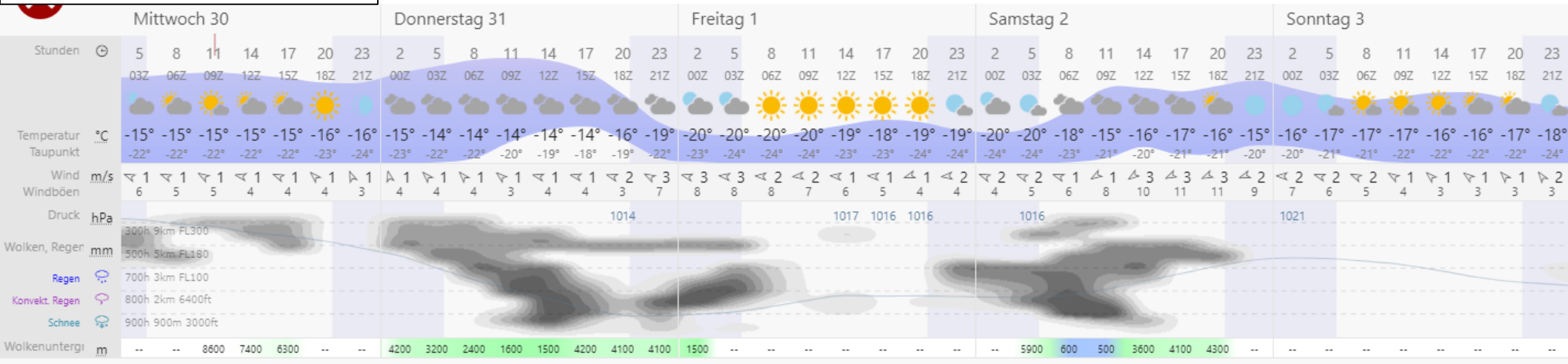
Meteogram Kiruna (ESNQ), 460 m, LAT/LON: N 67°49' E 20°20'

ICON-EU 2022-03-30 00 UTC, model height: 460 m



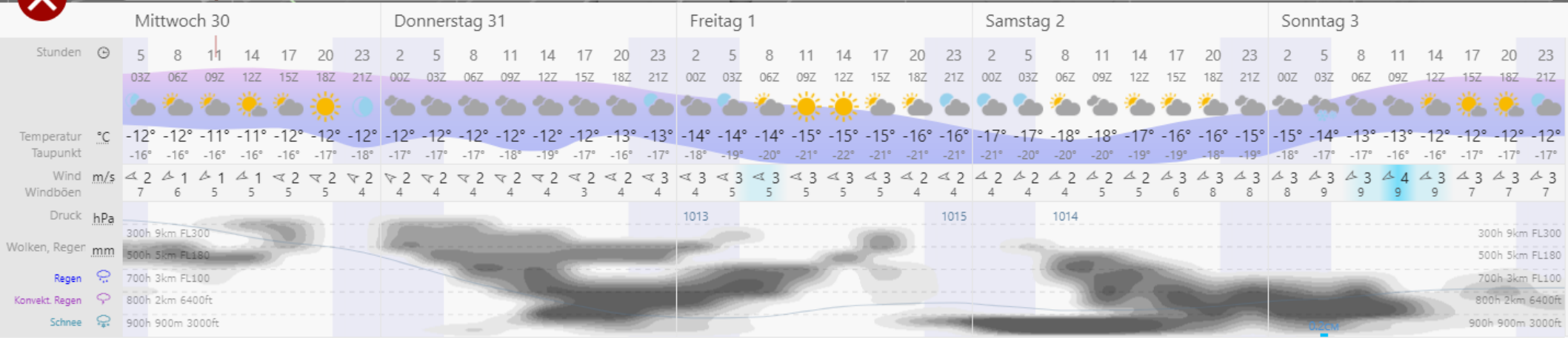
Longyearbyen:

ECMWF



[1-Std Vorhersage](#)
[Basisdaten](#)
[Wellen](#)
[Wind](#)
[Meteog.](#)
[Airgram](#)
[ECMWF](#)
[GFS](#)
[ICON](#)
[METEOBLUE](#)
[Vergleichen](#)
 Aktualisiert: vor 47 Min.

ICON



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[Airgram](#)
[ECMWF](#)
[GFS](#)
[ICON](#)
[METEOBLUE](#)
[Vergleichen](#)
 Aktualisiert: vor 5 Std.

Summary

Summary Weather Briefing, 2022-03-28 17:00 LT

- **Friday, 2022-04-01**
 - intensification of low pressure systems → intensify CAA over Fram Strait
 - CAA decreases in Kara Sea
 - LYR: mid-level clouds in the morning, dissolve during the day
- **Saturday, 2022-04-02**
 - low south of Svalbard (uncertain in models)
 - mid- and high-level clouds in LYR
 - CAA in Fram Strait weakens, but penetrates further to south
 - CAA in Kara Sea will be replaced by warmer/moisture air coming from Russia
- **Sunday, 2022-04-03**
 - LYR: cloud free conditions (ECMWF), low-level clouds (ICON)
 - Cold air more located northeast coast of Greenland
 - Fram Strait becomes slightly warmer/moisture