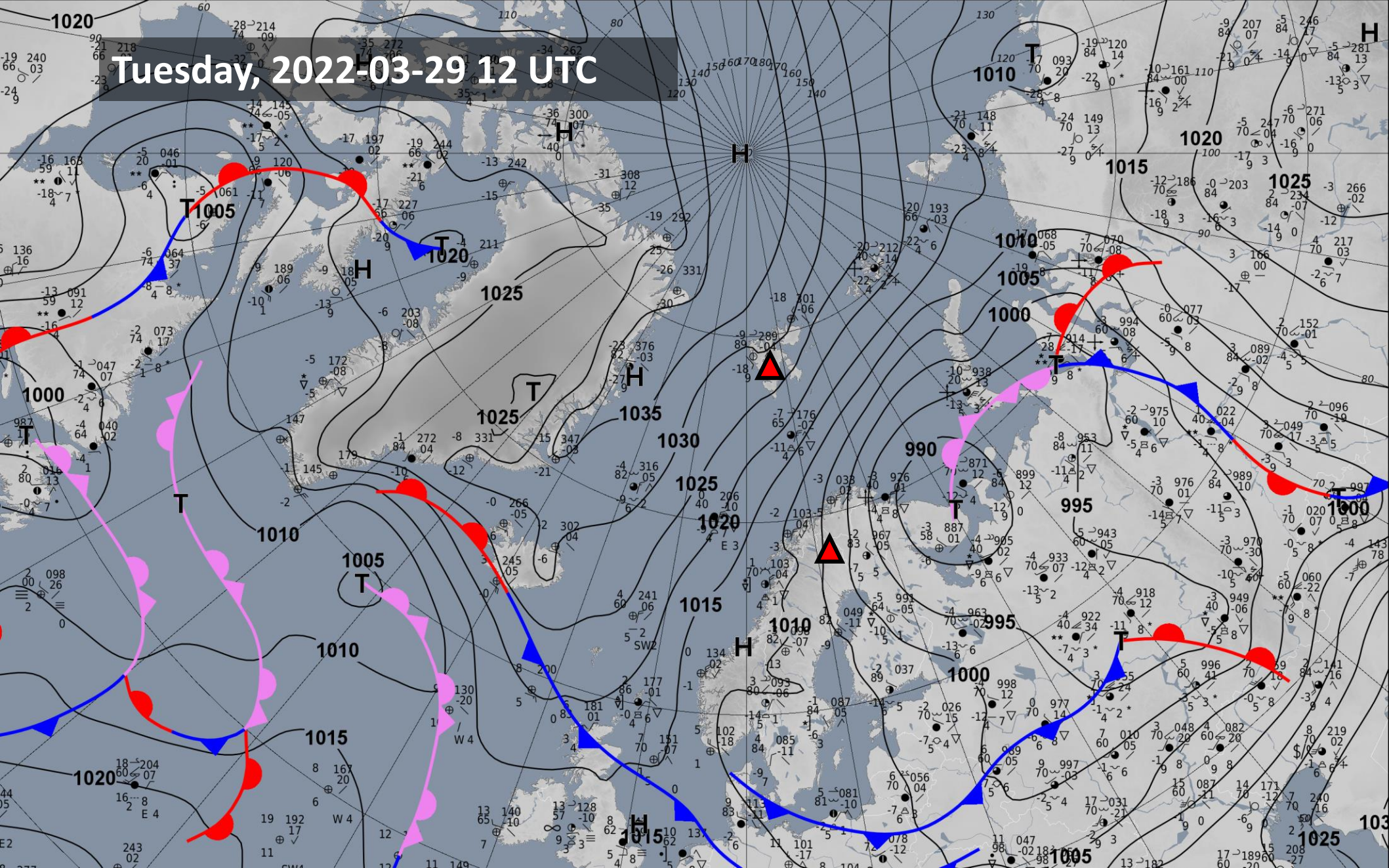


Weather briefing HALO-(AC)³

Tuesday, 2022-03-29, 17:00 LT

Surface Analysis
Tuesday, 2022-03-29 12 UTC
DWD

Tuesday, 2022-03-29 12 UTC



Surface wind development and precipitation

2022-03-29 00 UTC: 36 – 108h

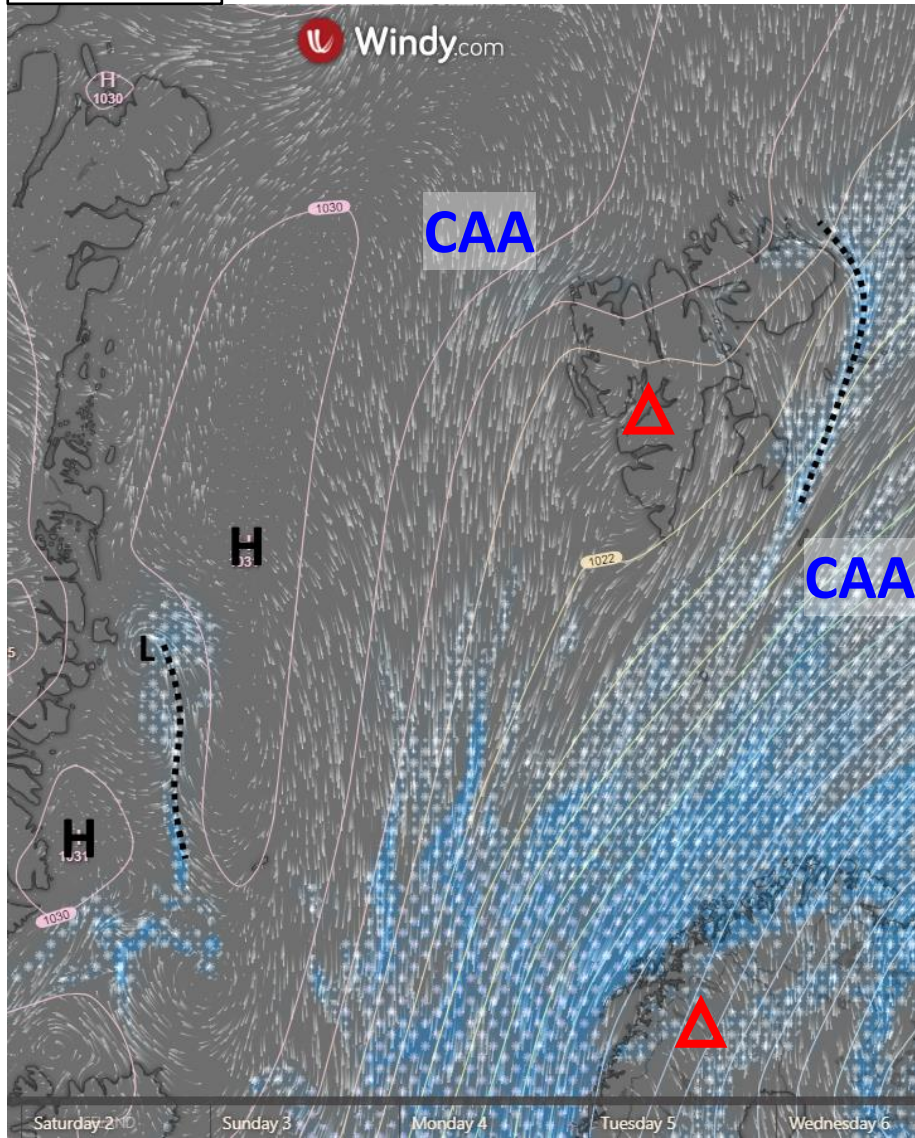
ECMWF & ICON

CAA: Cold Air Advection

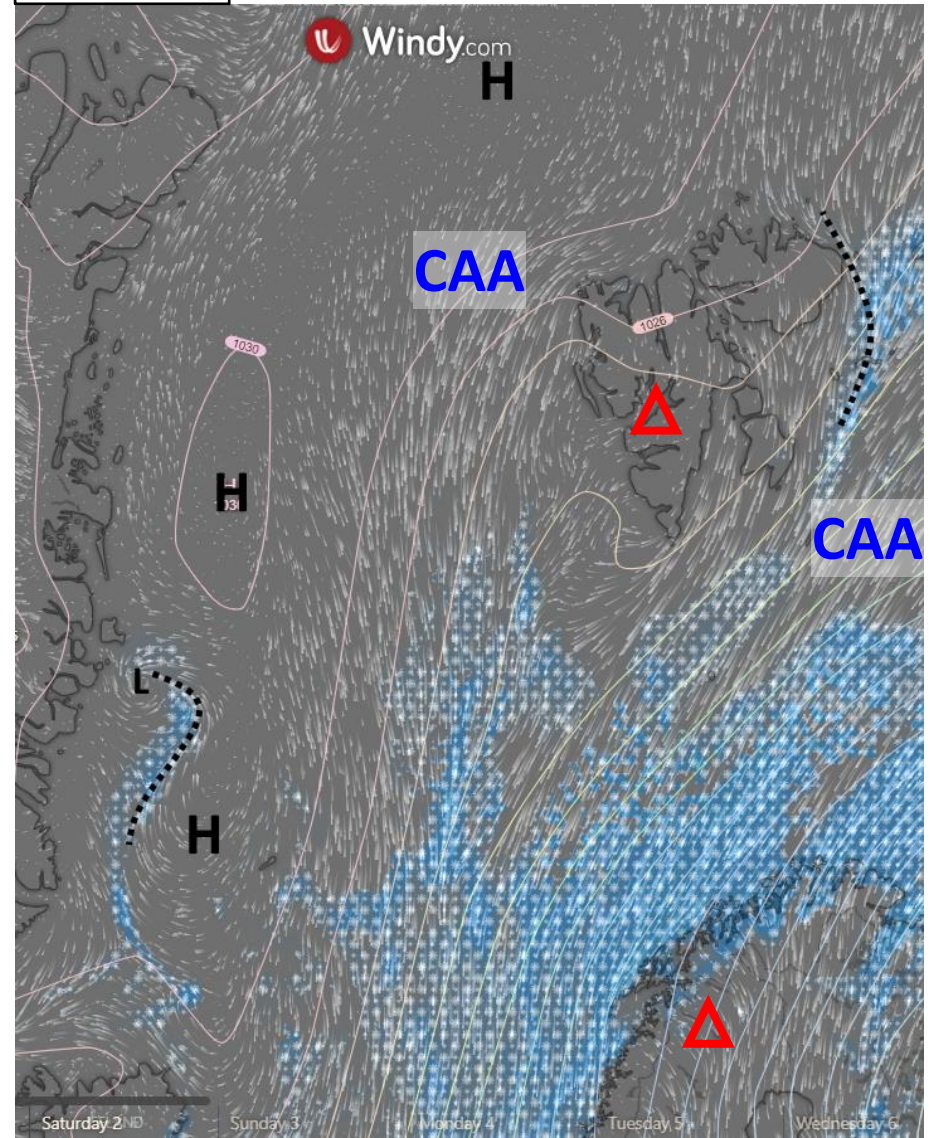
WAA: Warm Air Advection

Wednesday, 2022-03-30 12 UTC (+36h)

ECMWF

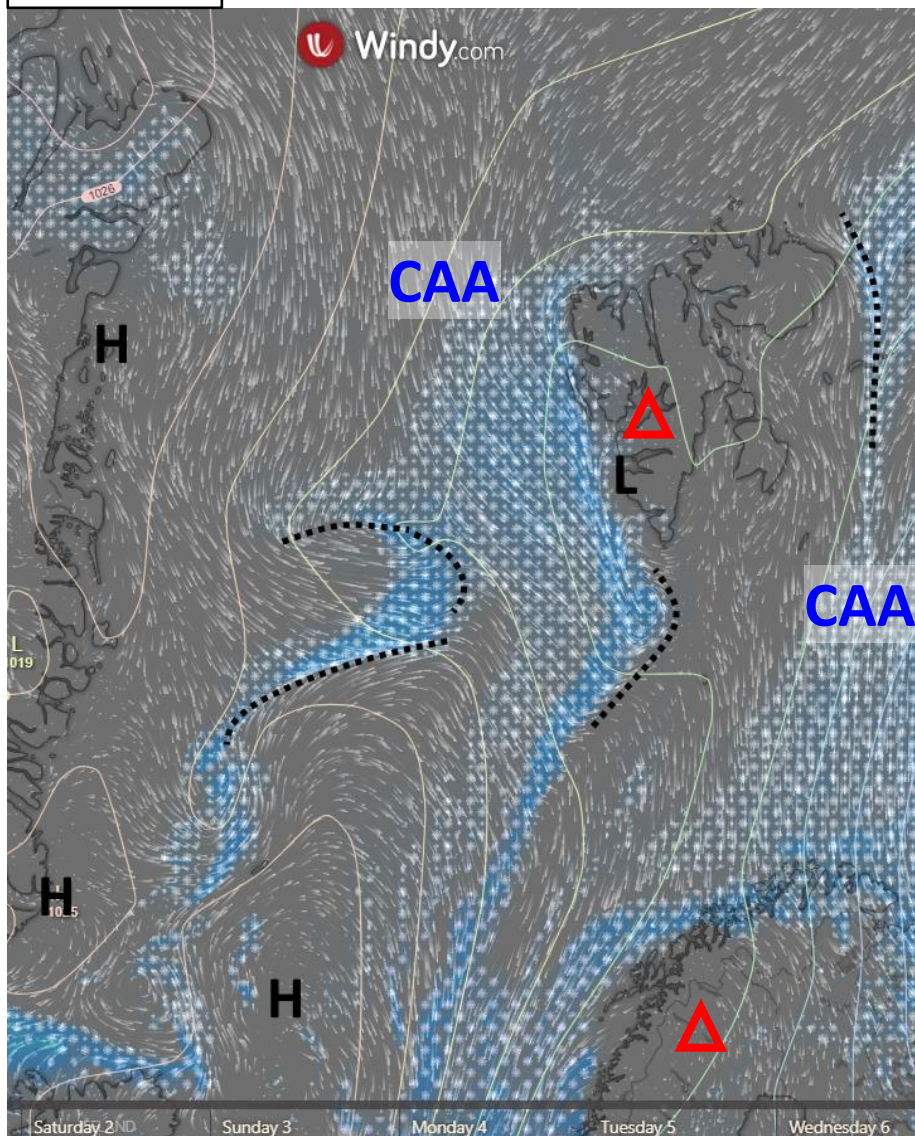


ICON

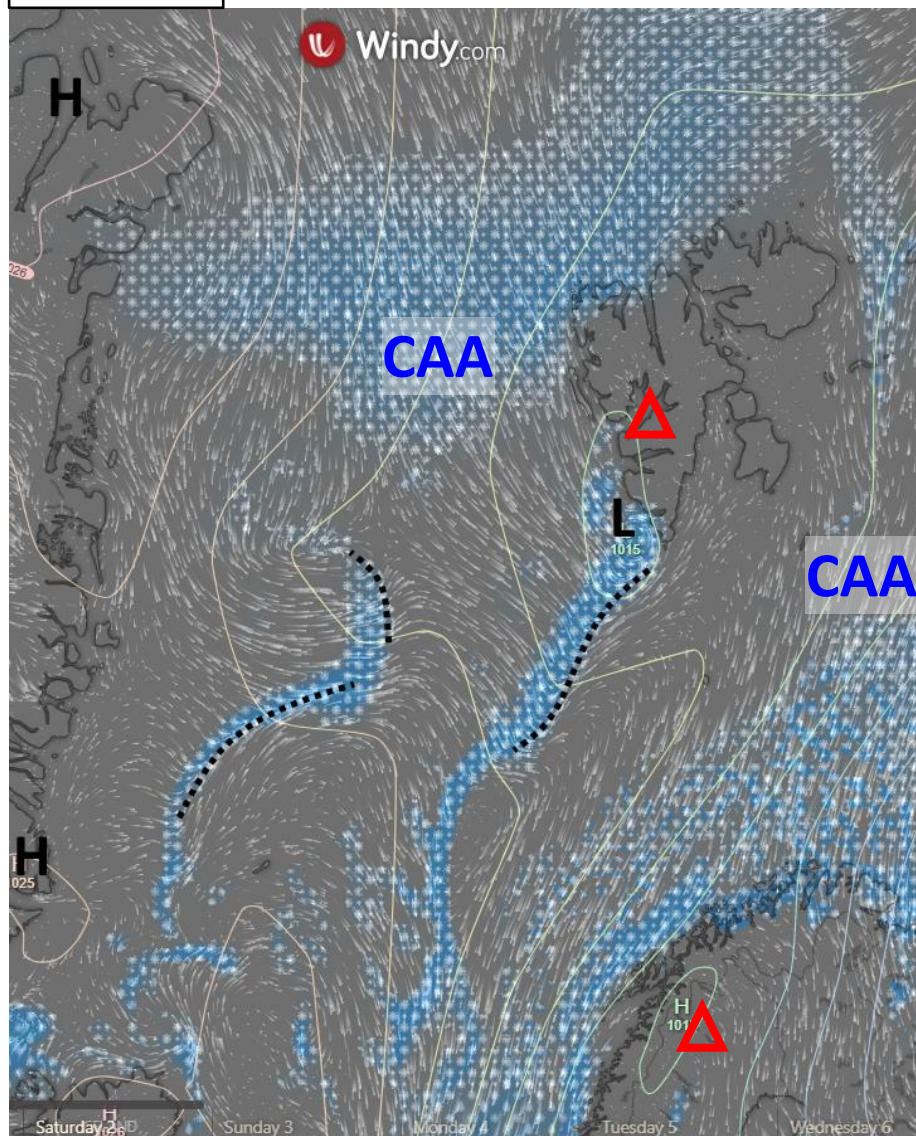


Thursday, 2022-03-31 12 UTC (+60h)

ECMWF

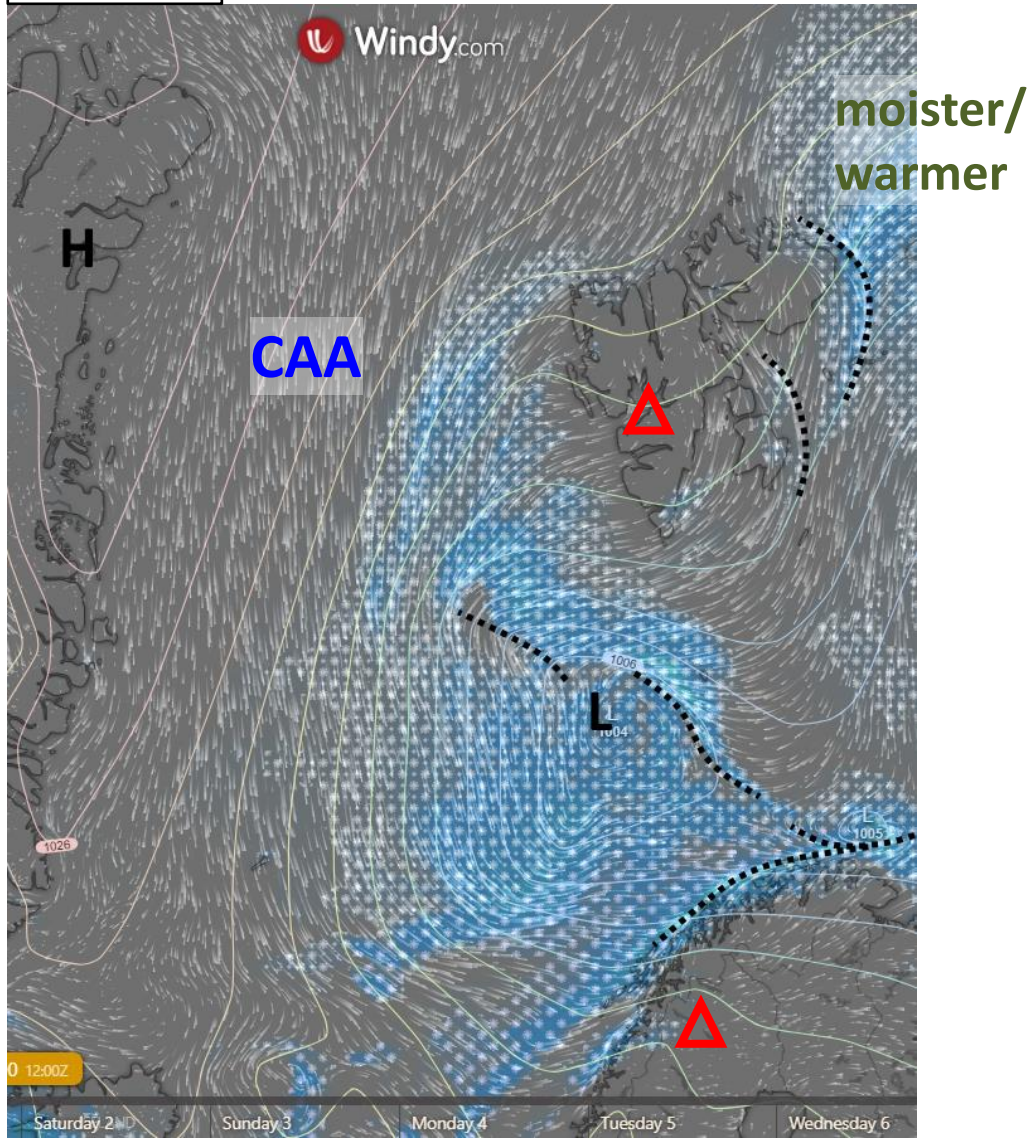


ICON

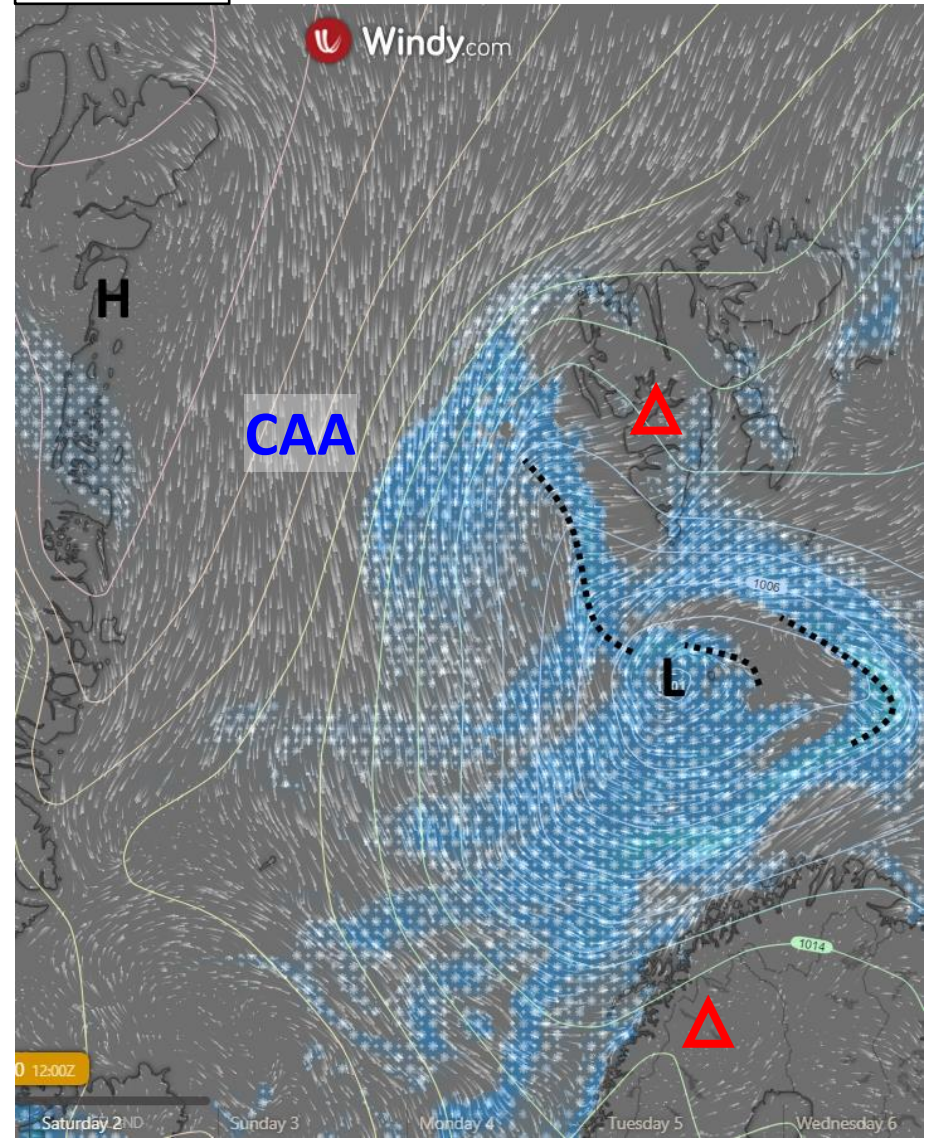


Friday, 2022-04-01 12 UTC (+84h)

ECMWF

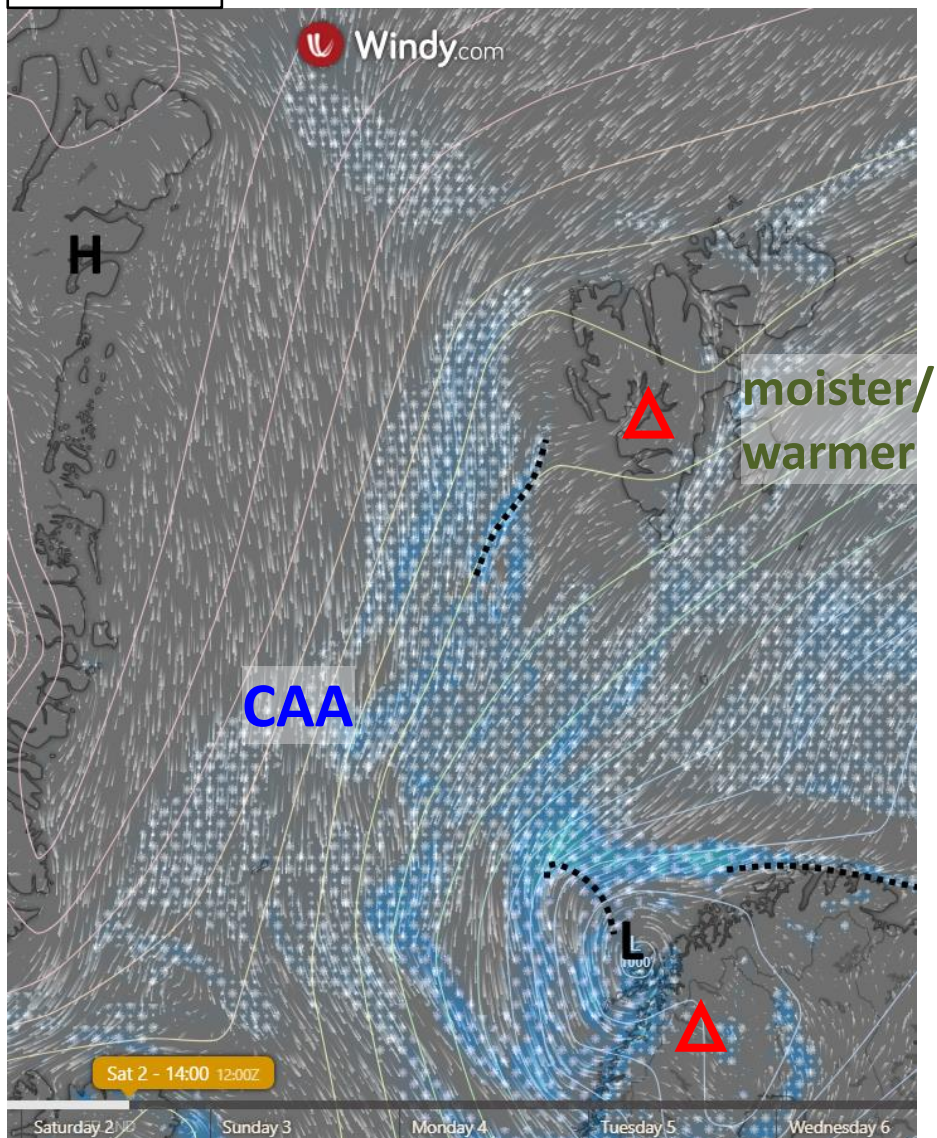


ICON

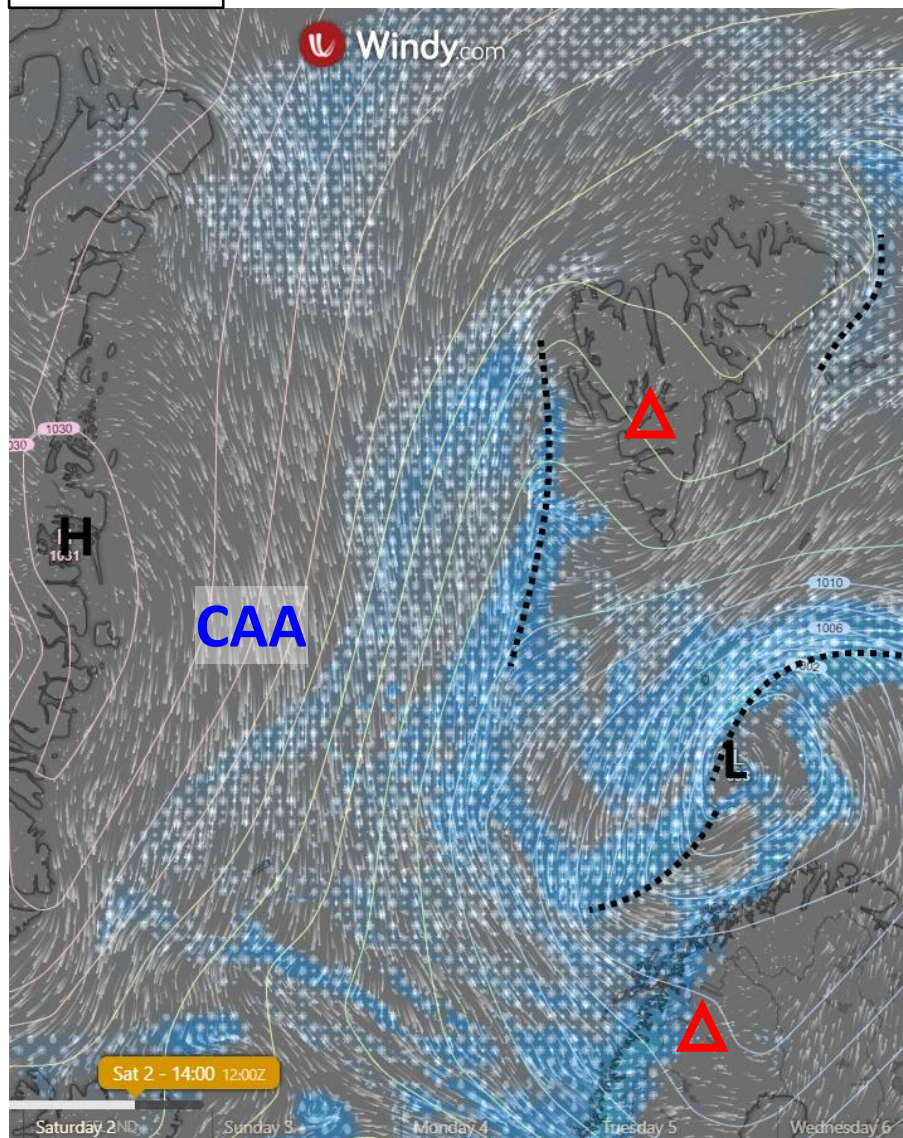


Saturday, 2022-04-02 12 UTC (+108h)

ECMWF



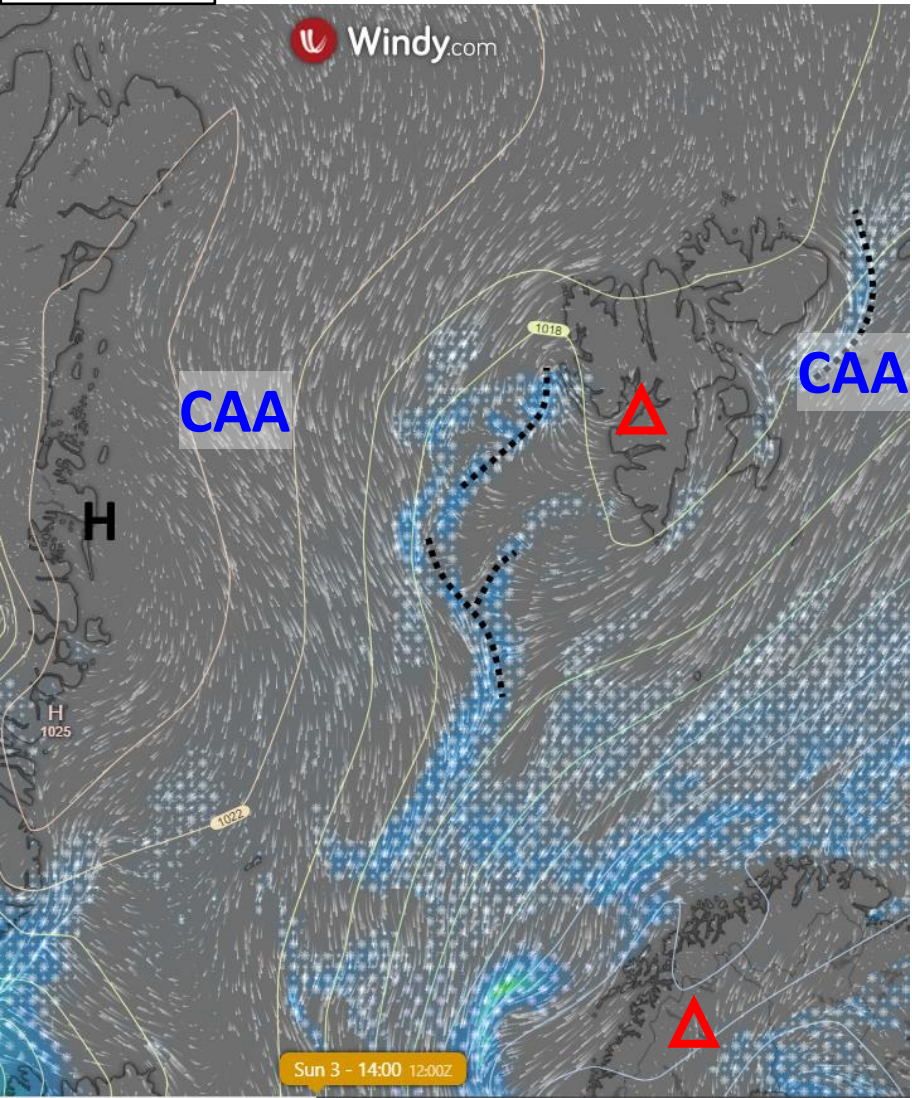
ICON



Sunday, 2022-04-03 12 UTC (+132h)

ECMWF

ICON



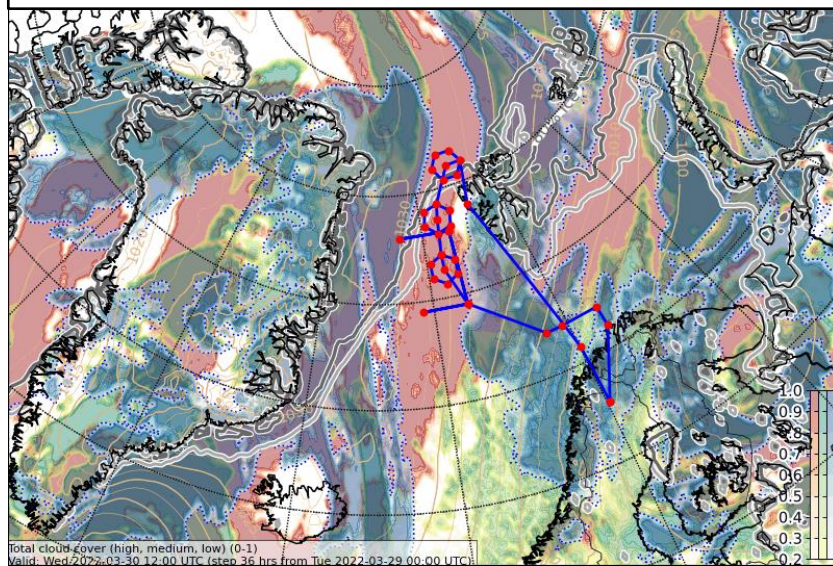
Cloud cover, CAO index, Airmasses, IVT

2022-03-29 00 UTC: 36 – 108h

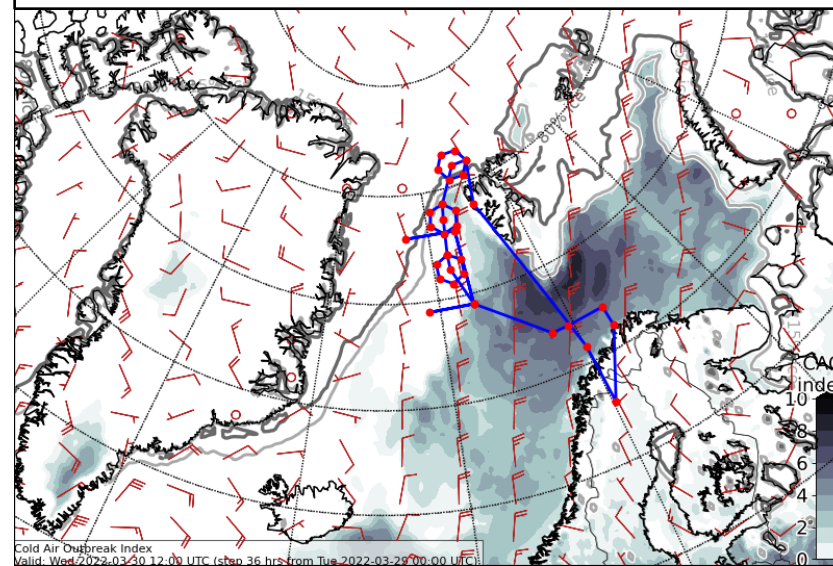
Cloud cover & 850hPa θ_e & CAO & IVT

Wed, 2022-03-30 12 UTC (+36h)

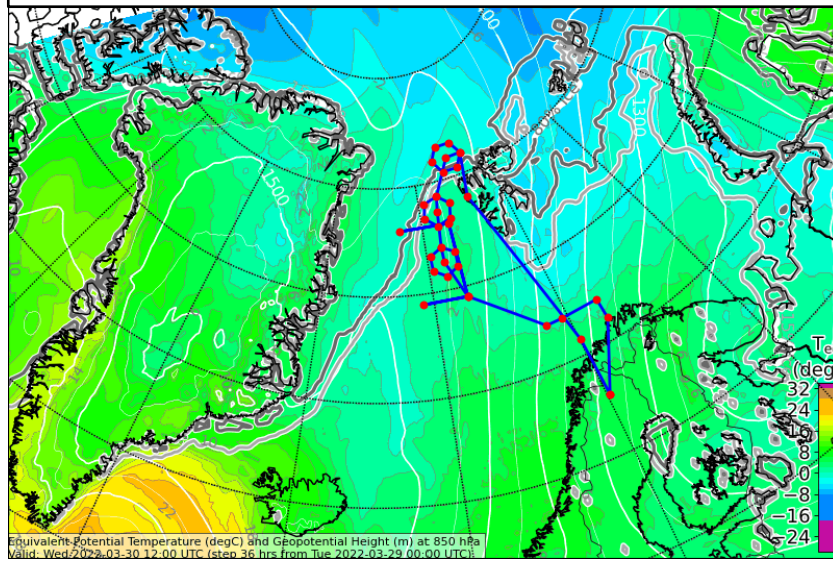
Total cloud cover



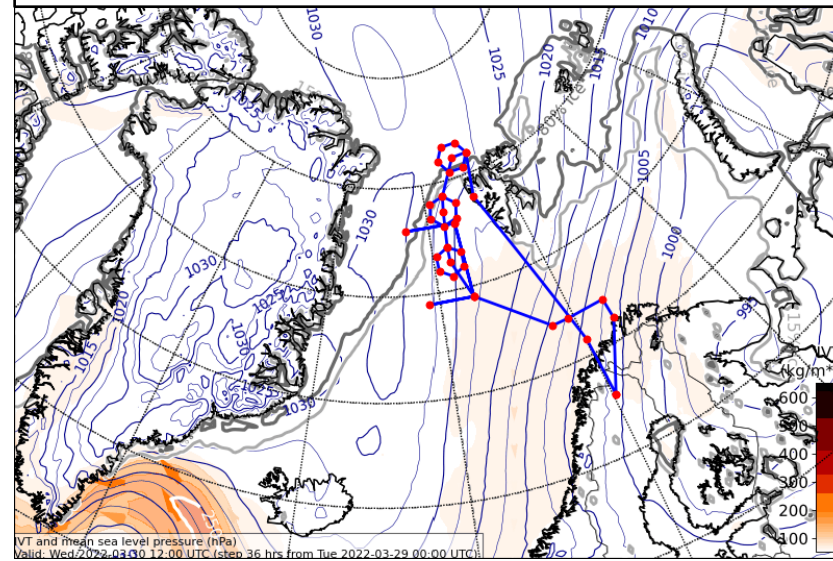
CAO Index



850 hPa Equiv. pot. temperature

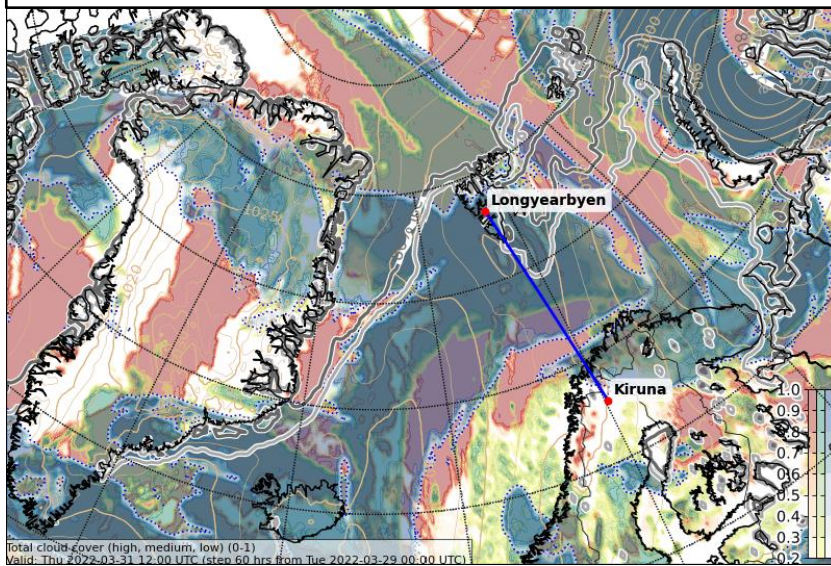


Integrated water vapour transport

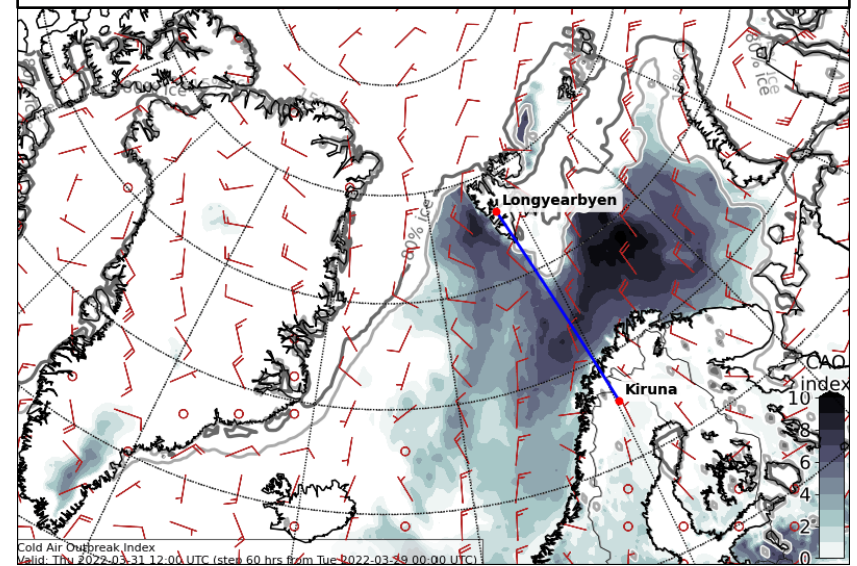


Thu, 2022-03-31 12 UTC (+60h)

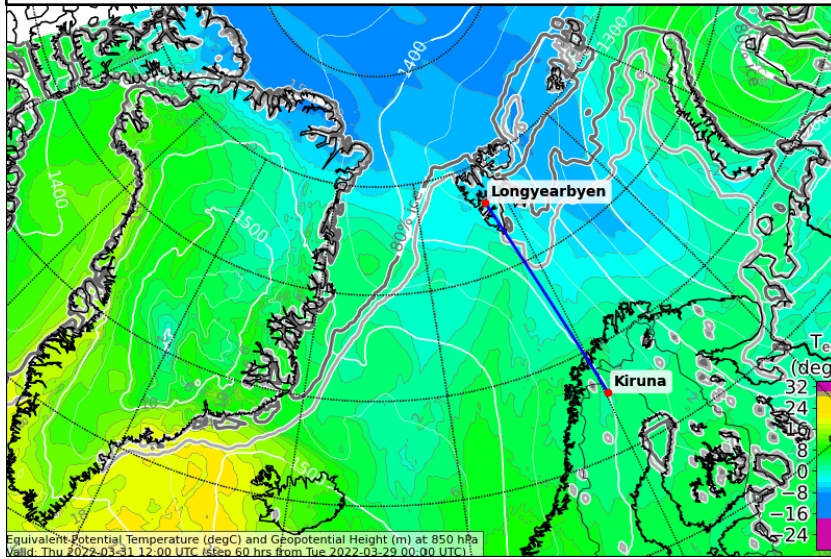
Total cloud cover



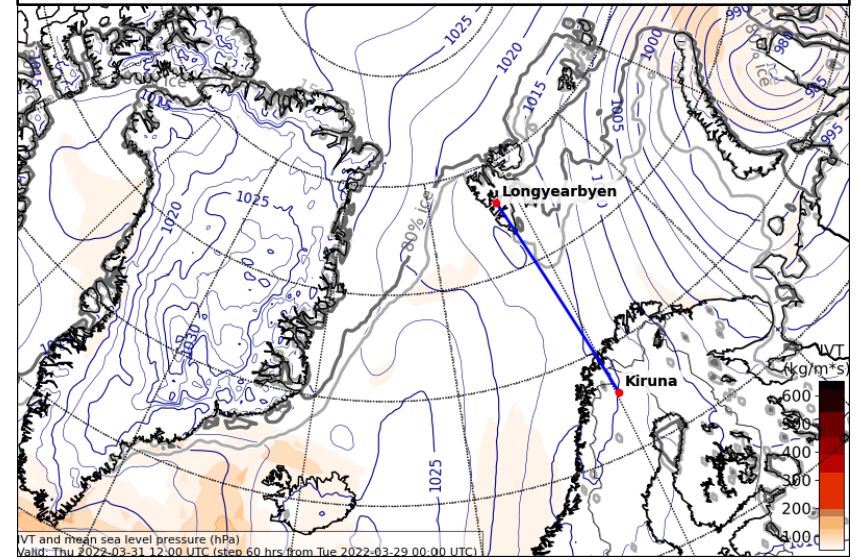
CAO Index



850 hPa Equiv. pot. temperature

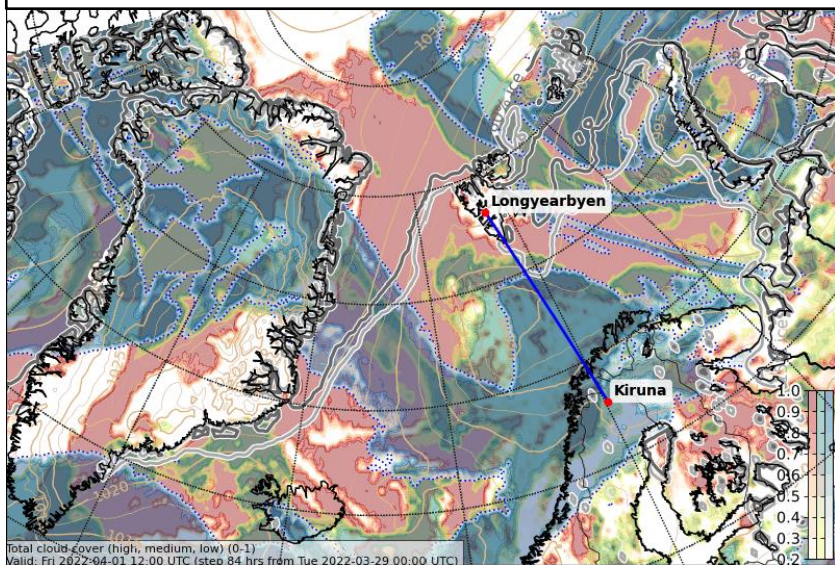


Integrated water vapour transport

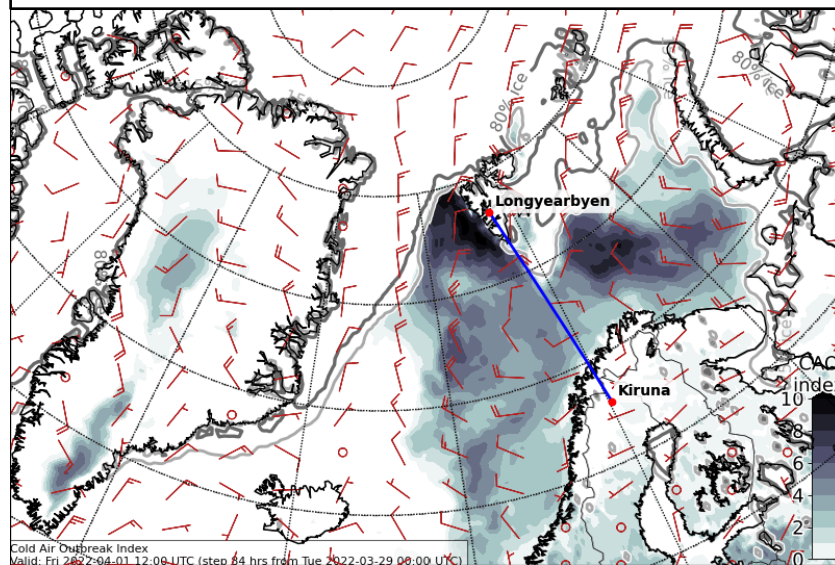


Fri, 2022-04-01 12 UTC (+84h)

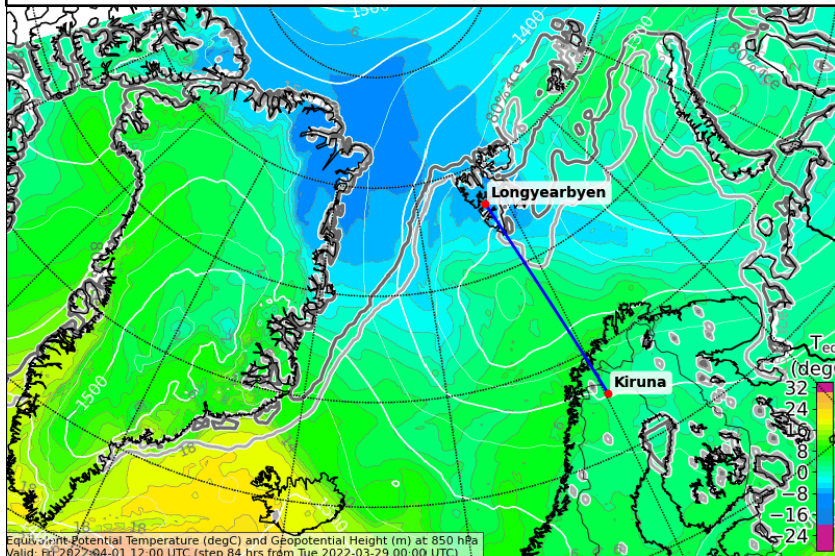
Total cloud cover



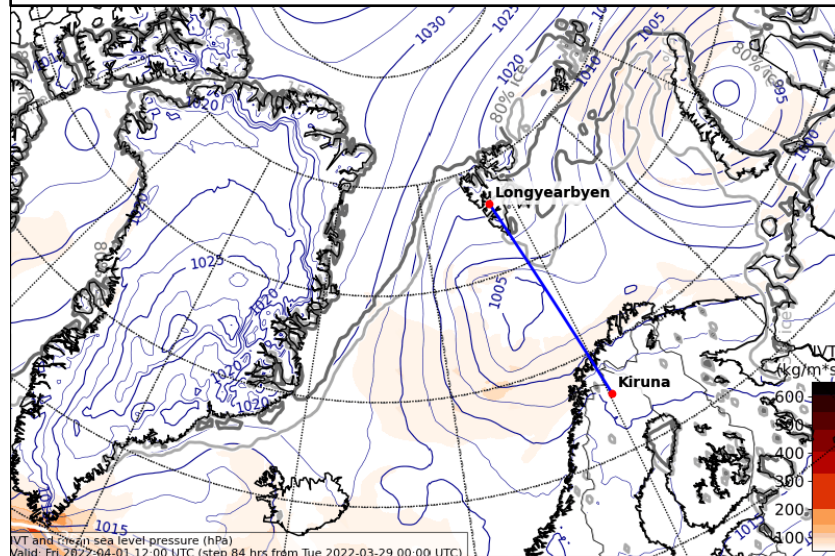
CAO Index



850 hPa Equiv. pot. temperature

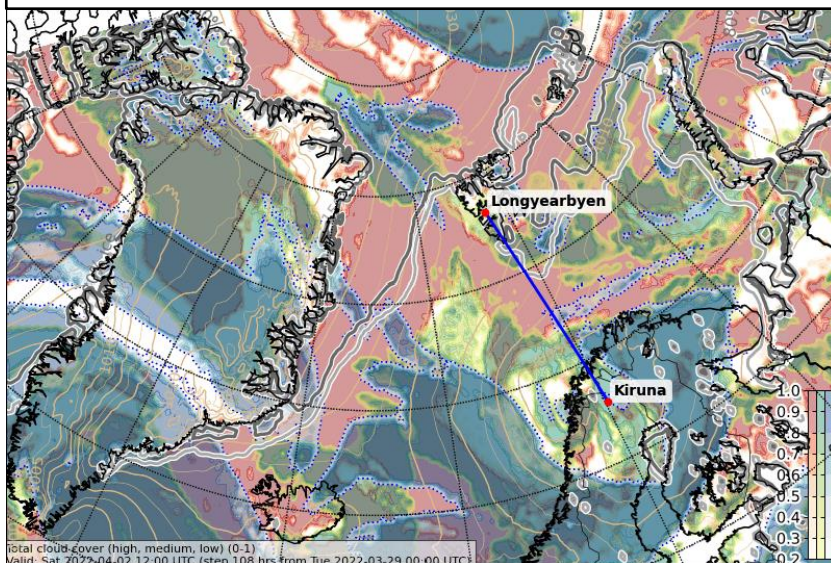


Integrated water vapour transport

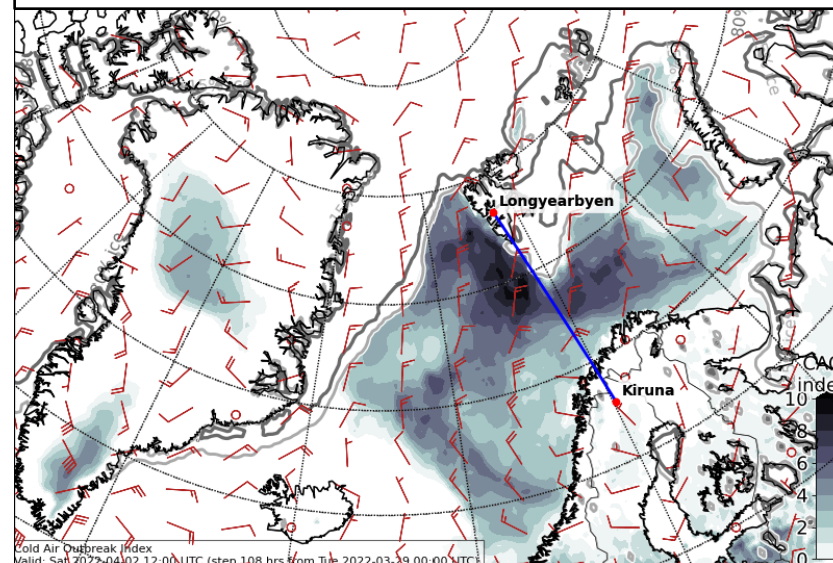


Sat, 2022-04-02 12 UTC (+108h)

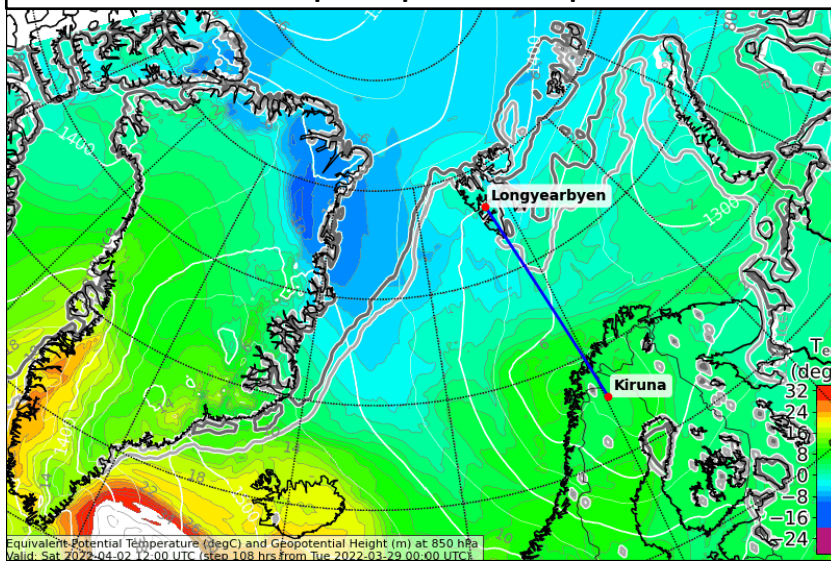
Total cloud cover



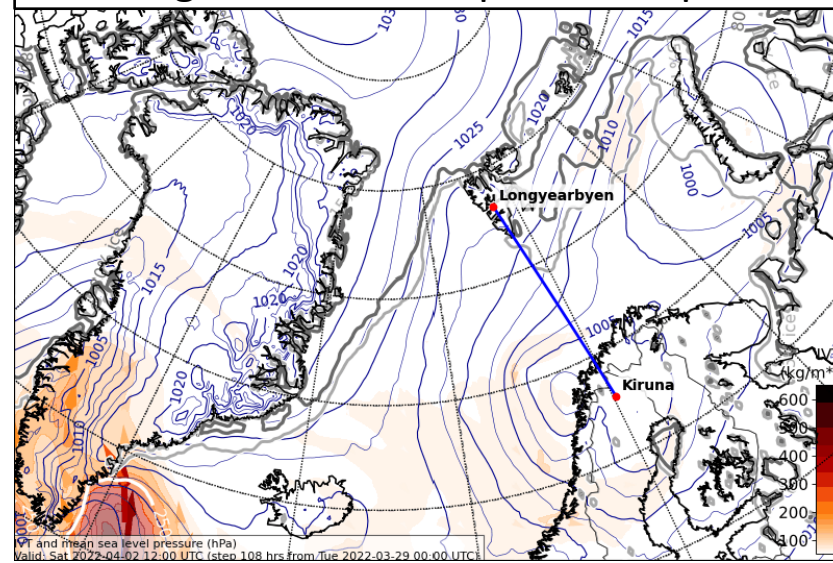
CAO Index



850 hPa Equiv. pot. temperature

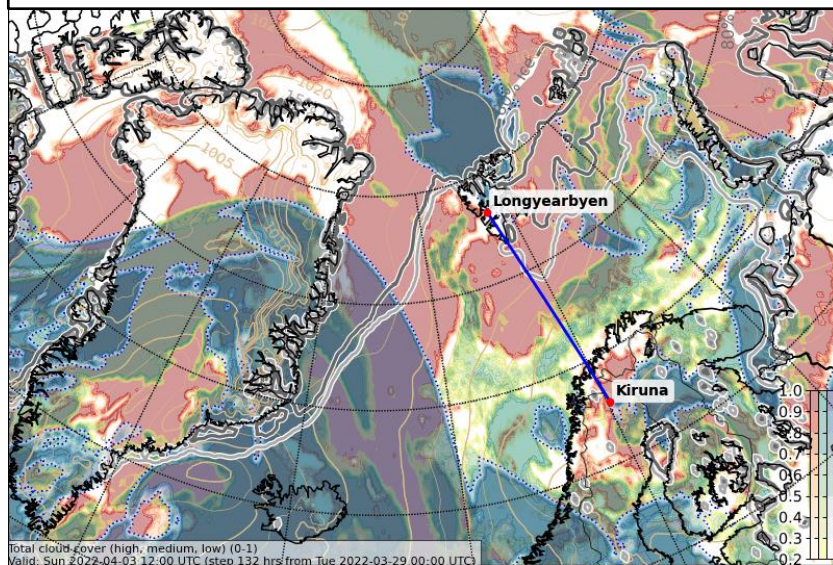


Integrated water vapour transport

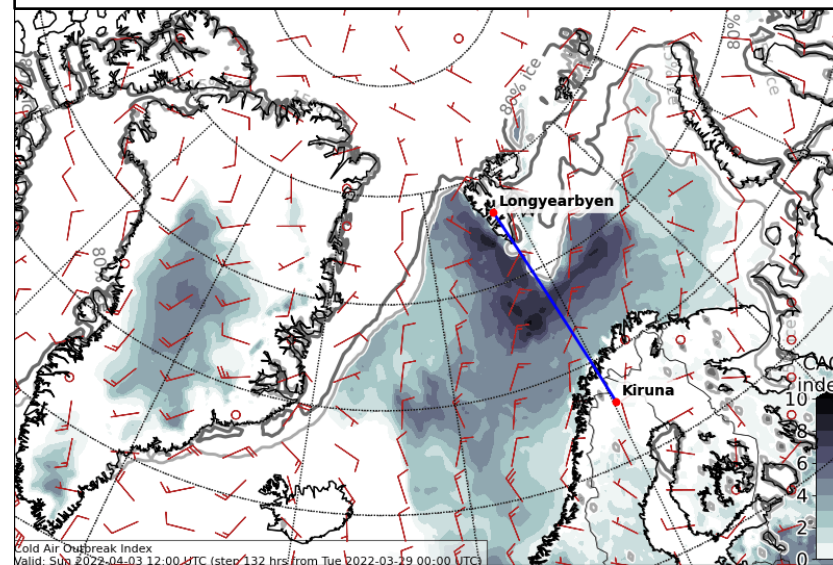


Sun, 2022-04-03 12 UTC (+132h)

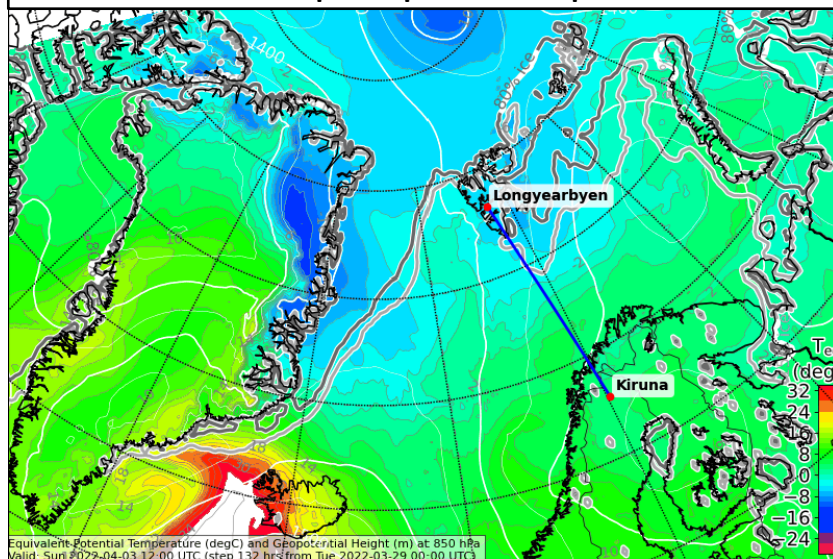
Total cloud cover



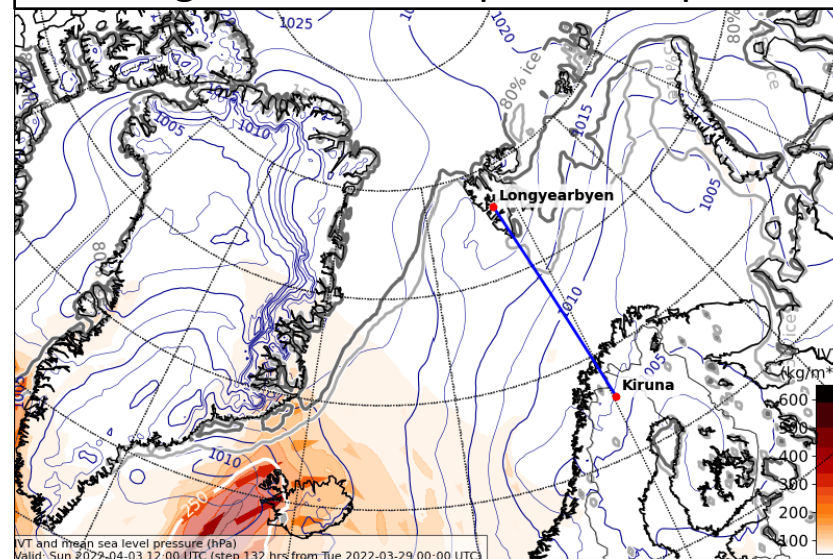
CAO Index



850 hPa Equiv. pot. temperature



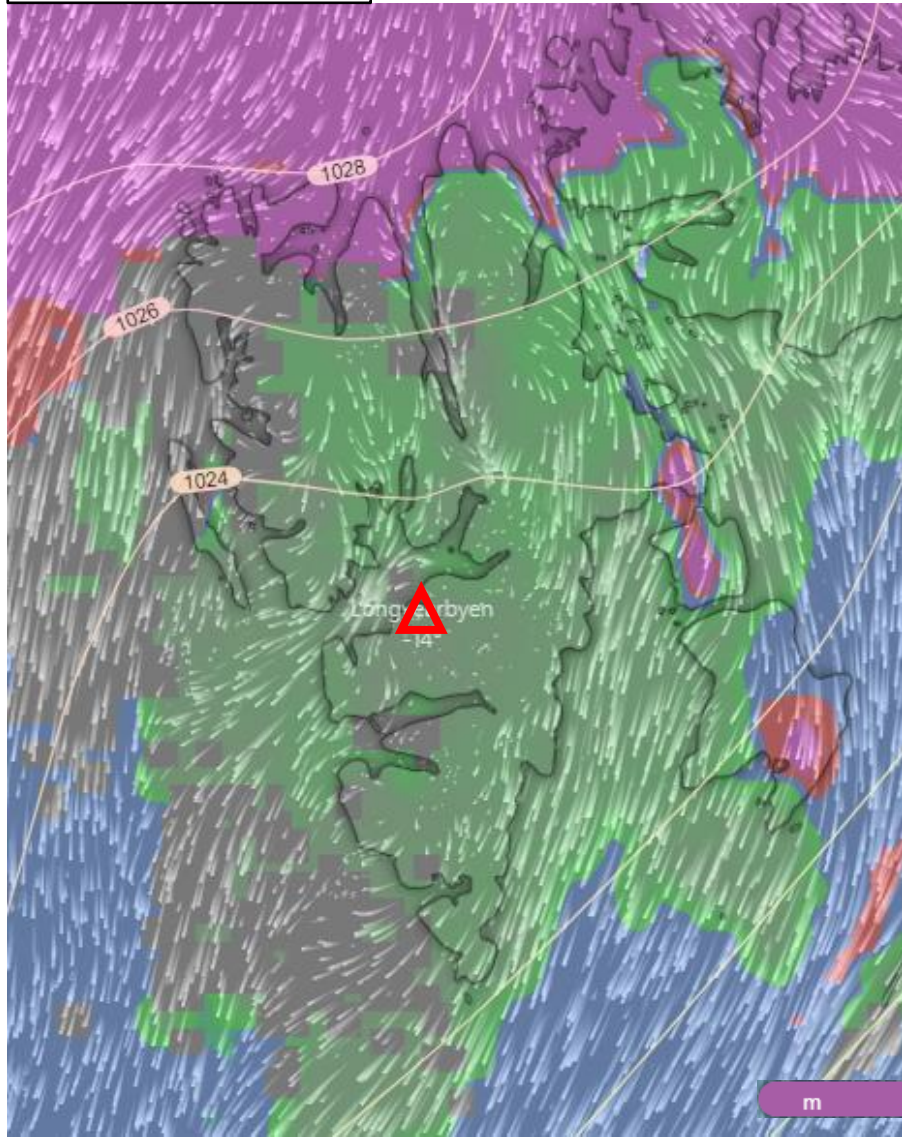
Integrated water vapour transport



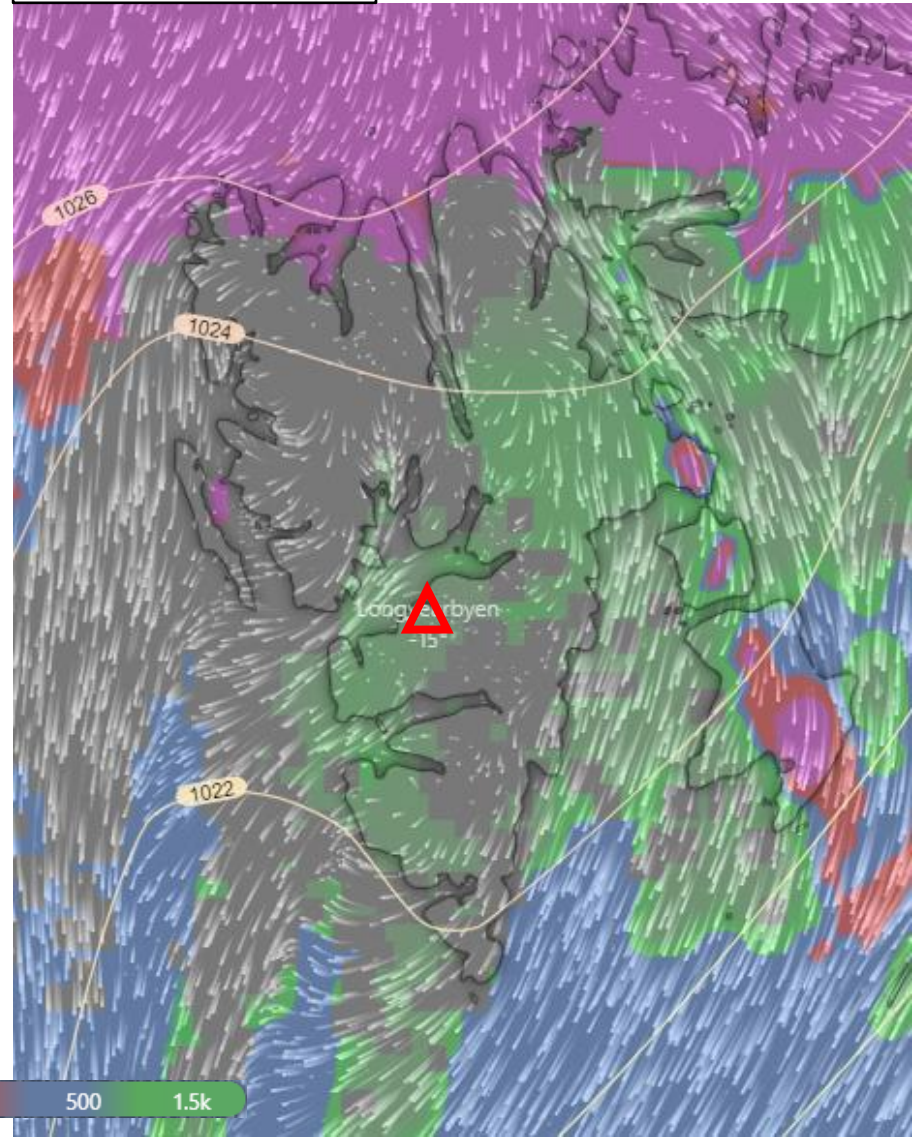
Airport meteograms & local weather at Svalbard

Wed, 2022-03-30, ECMWF Cloud base height

09 UTC

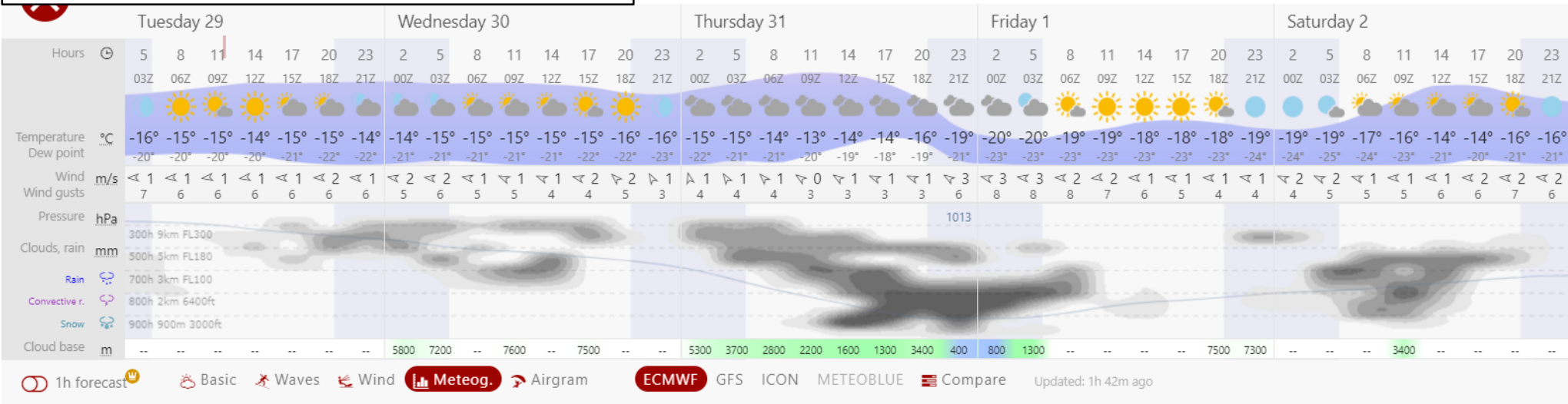


15 UTC

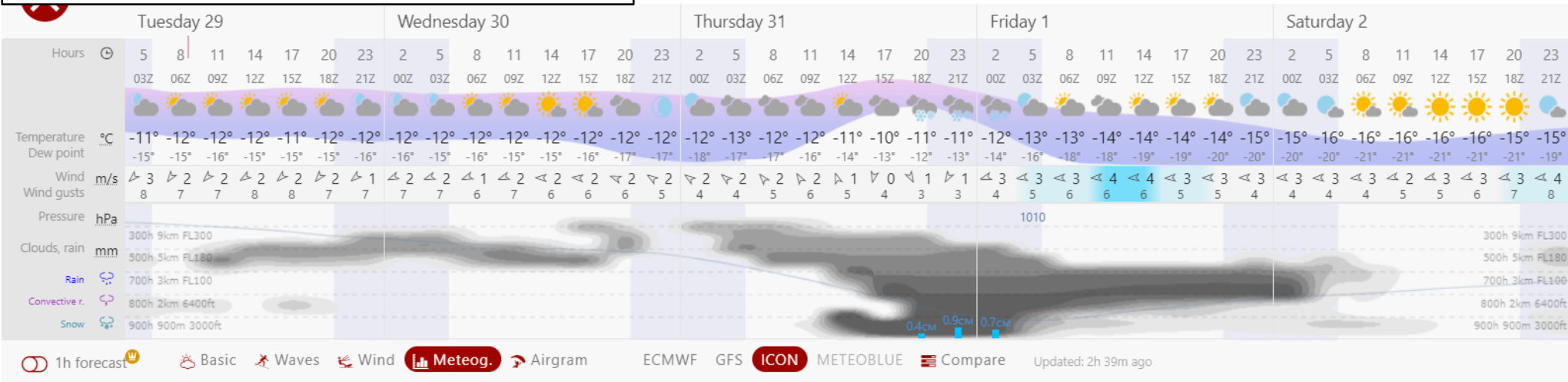


Longyearbyen:

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 **14** minutes ago, at **11:50**
UTC

Wind **2** kt from variable directions

Temperature **-11**°C

Humidity **66**%

Pressure **1027** hPa

Visibility 10 km or more

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

[Change units](#)

Time: 14:04 (12:04 UTC)

Forecast

*Forecast valid from 29 at 12 UTC to 30 at 12
UTC*

Wind **8** kt from the **East**

Visibility 10 km or more

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

*Temporary
from 29 at 12 UTC to 29 at 18 UTC*

Wind **12** kt from the **Northeast**

TAF: ENSB 2912/3012 10008KT 9999
FEW025 TEMPO 2912/2918 04012KT

Summary

Summary: Weather Briefing 2022-03-29, 17:00 LT

- **Wednesday, 2022-03-30:**
 - Weak winds around High in Fram Strait
 - Stronger CAA east of Svalbard
 - Good flying conditions
- **Thursday, 2022-03-31:**
 - Arrival of former Siberian Low
 - Layered clouds and probably precip. in LYR
- **Friday, 2022-04-01:**
 - Clearing up behind Low uncertain
 - Flight conditions probably okay
 - CAA intensified due to the Low
 - Moister/warmer air from Russia arrives east of Svalbard
- **Saturday, 2022-04-02:**
 - Uncertain development of Low
 - CAA weakens and warmer/moister air from Russia mixes with existing air mass
- **Sunday, 2022-04-03:**
 - Colder air advected over Svalbard
 - Eastern Fram Strait slightly warmer / moister