

Weather briefing HALO-(AC)³

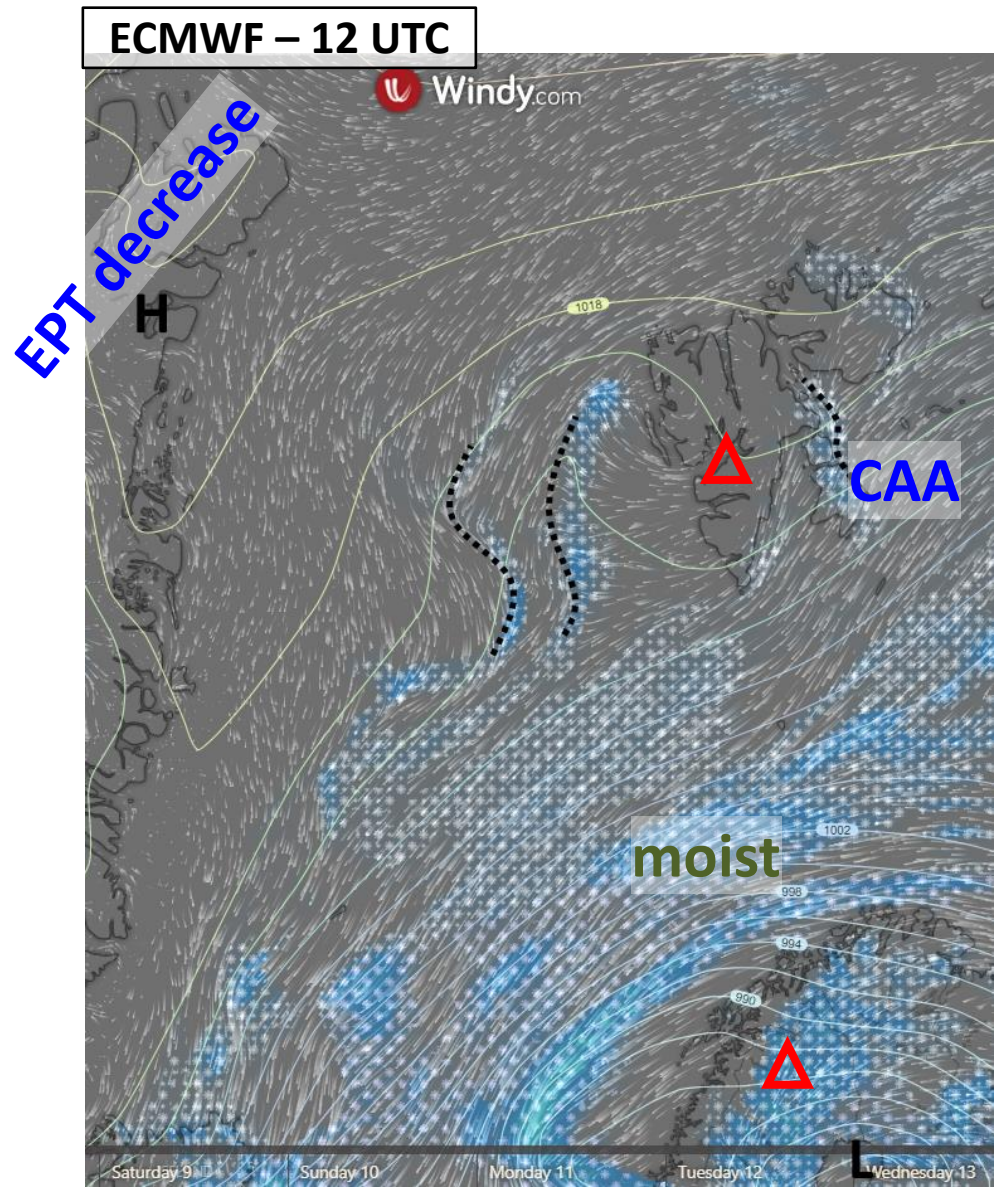
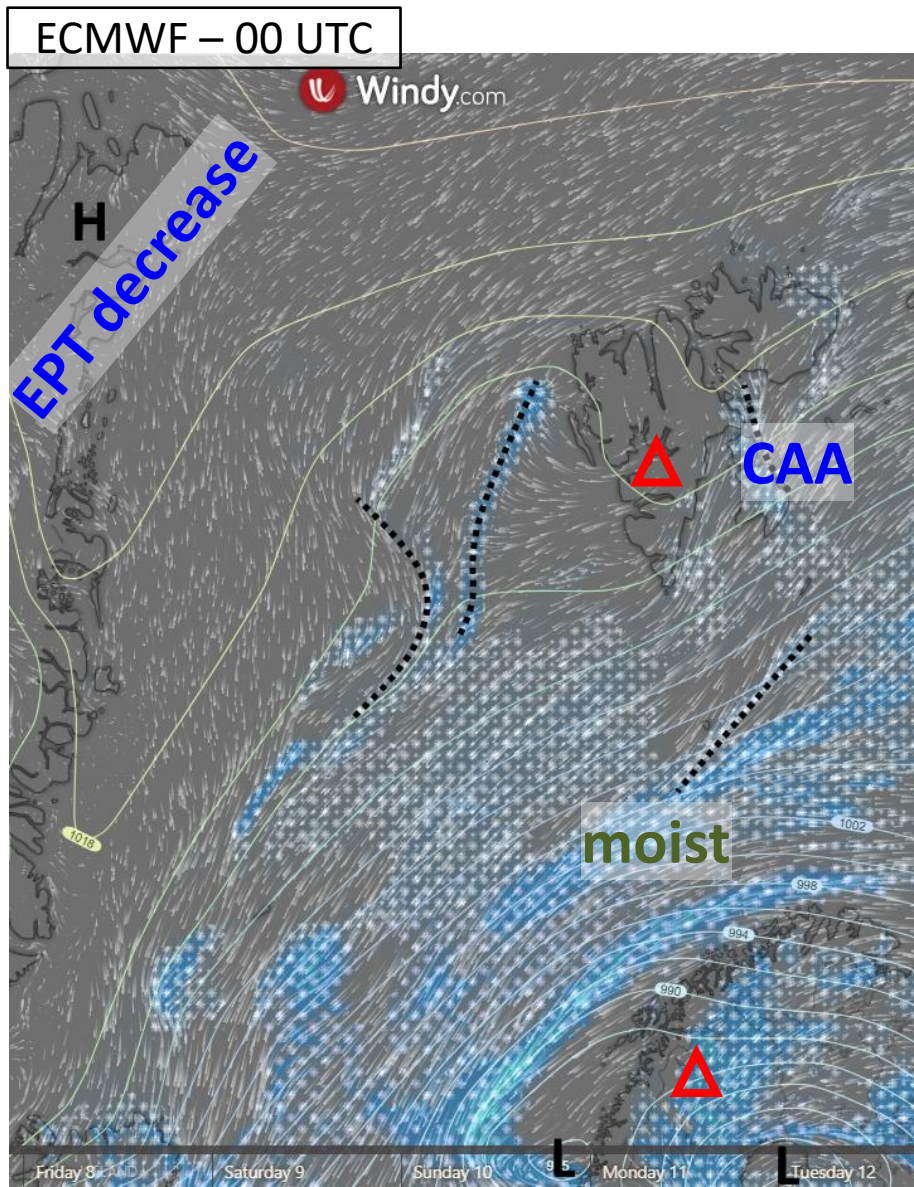
Tuesday, 2022-04-05, 09:00 LT

Forecast comparison
yesterday 00 UTC vs. **yesterday 12 UTC**/today 00 UTC
ECMWF & ICON

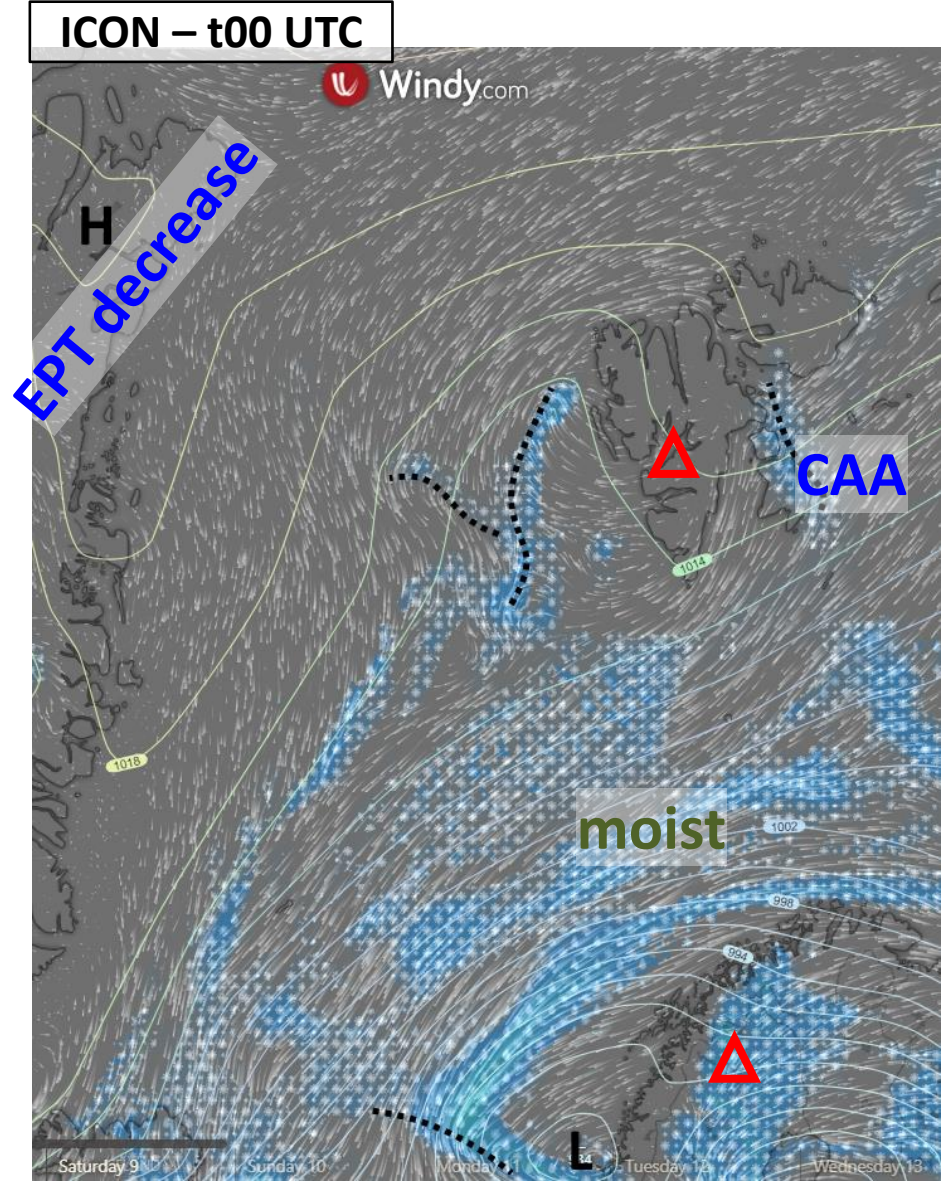
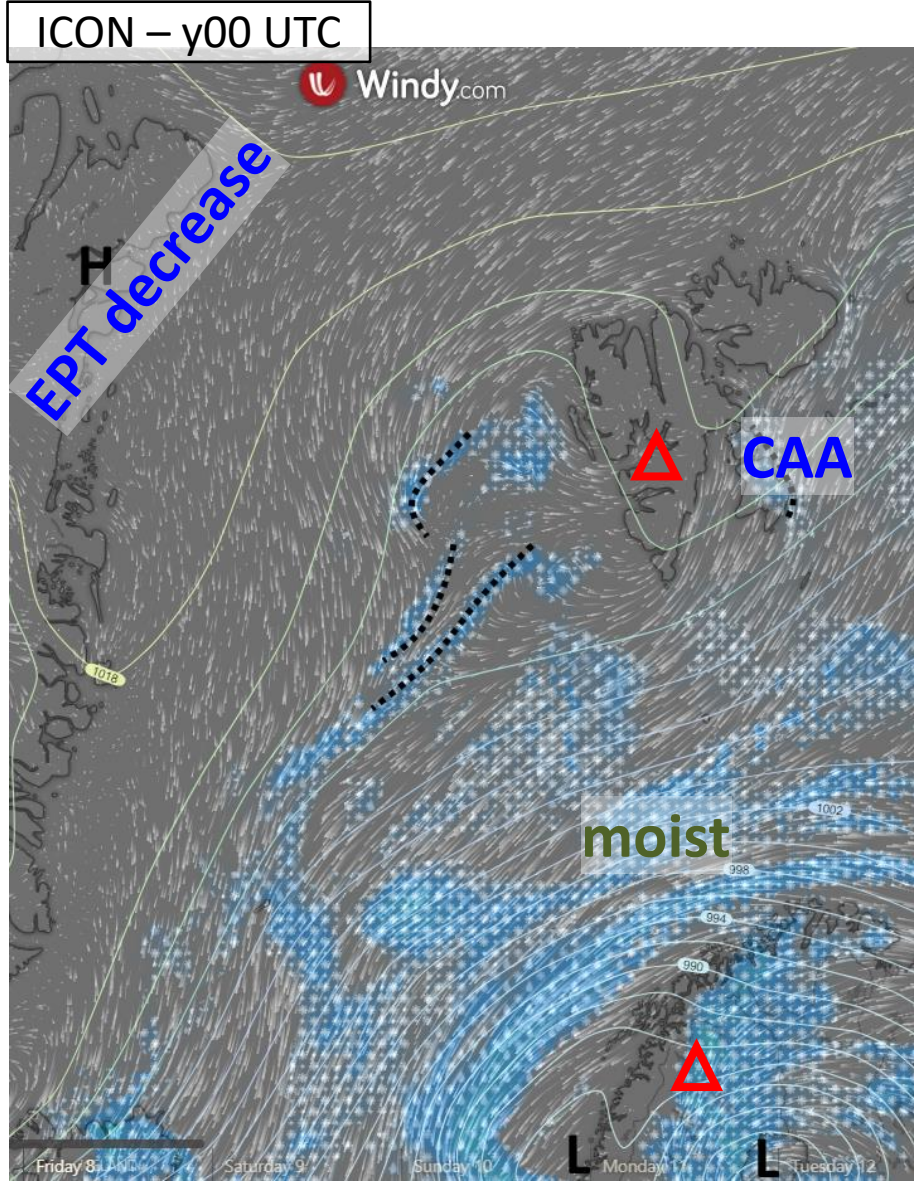
CAA: Cold Air Advection

WAA: Warm Air Advection

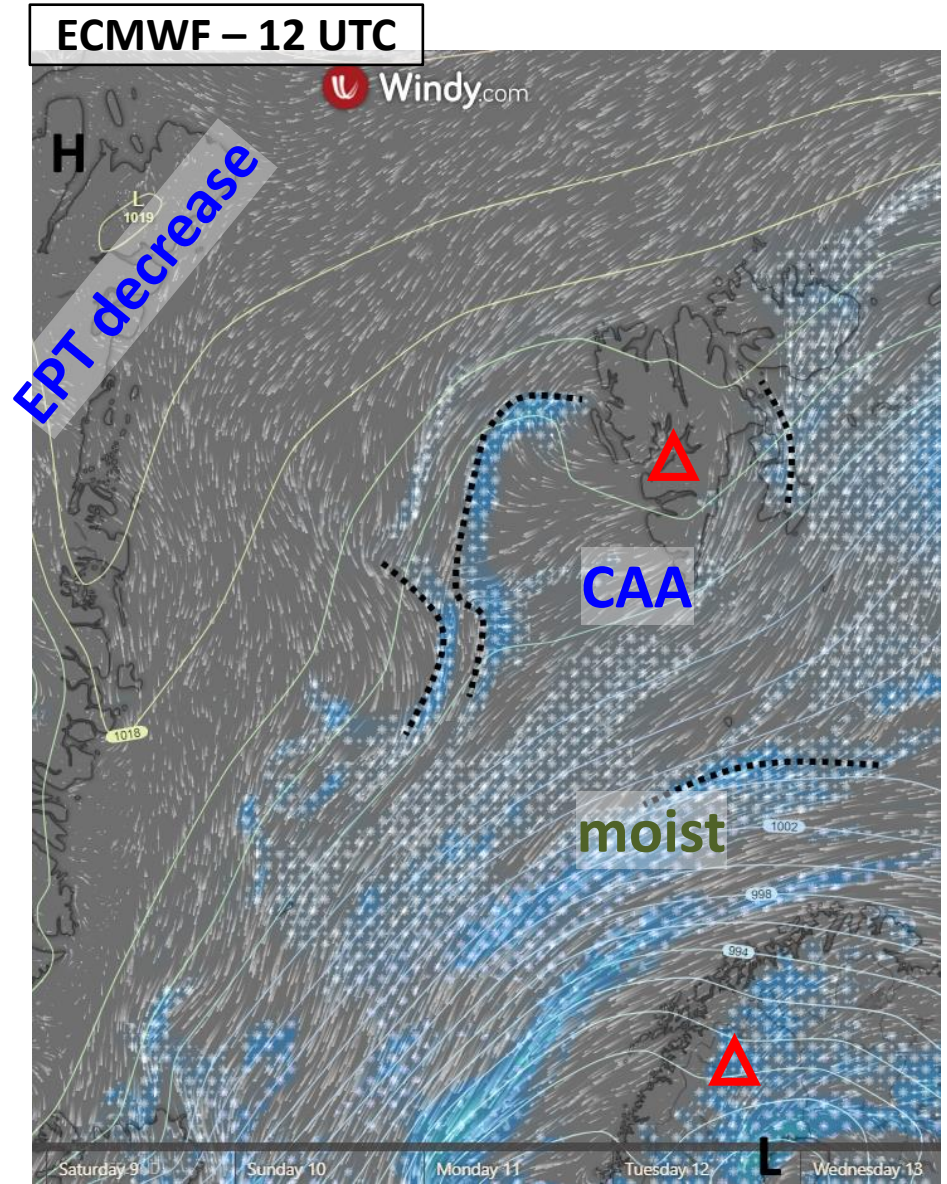
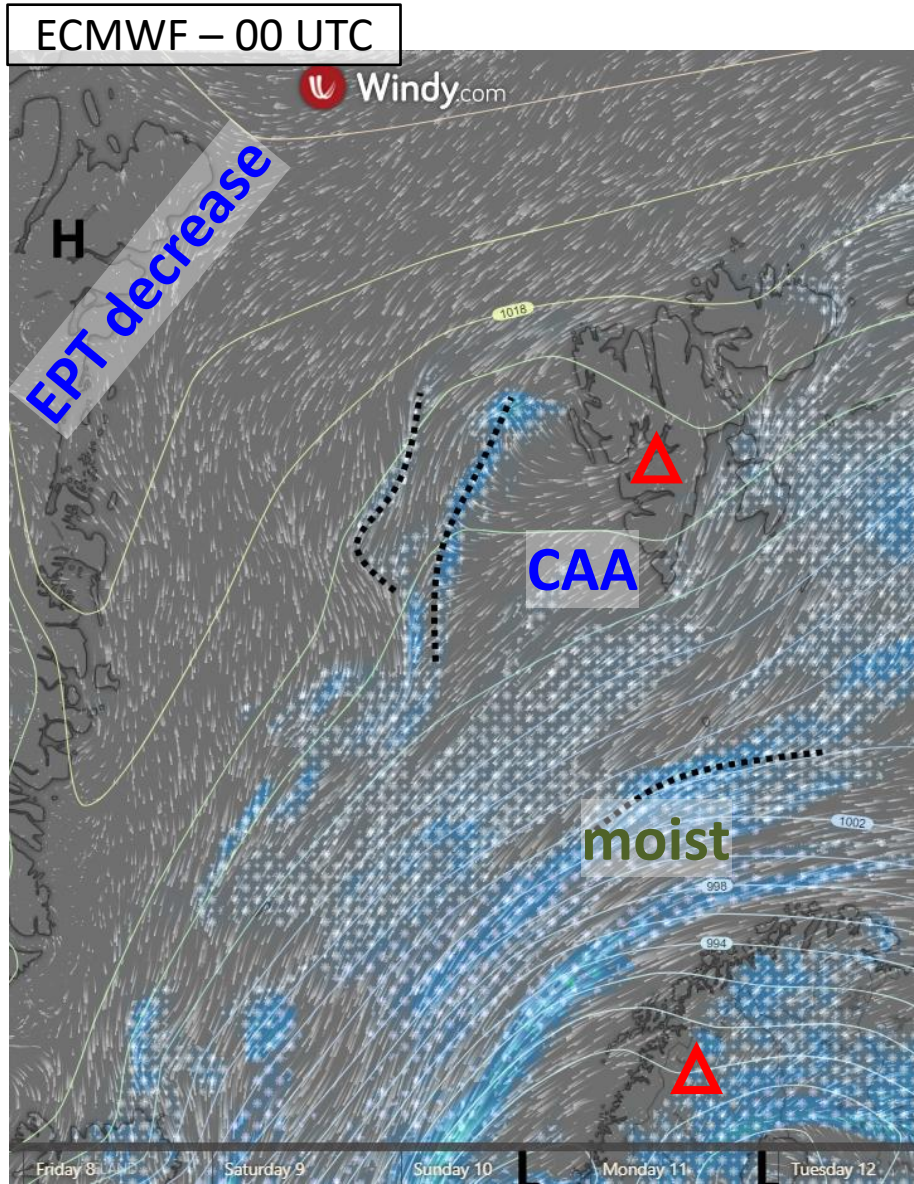
Wednesday, 2022-04-06 09 UTC



Wednesday, 2022-04-06 09 UTC

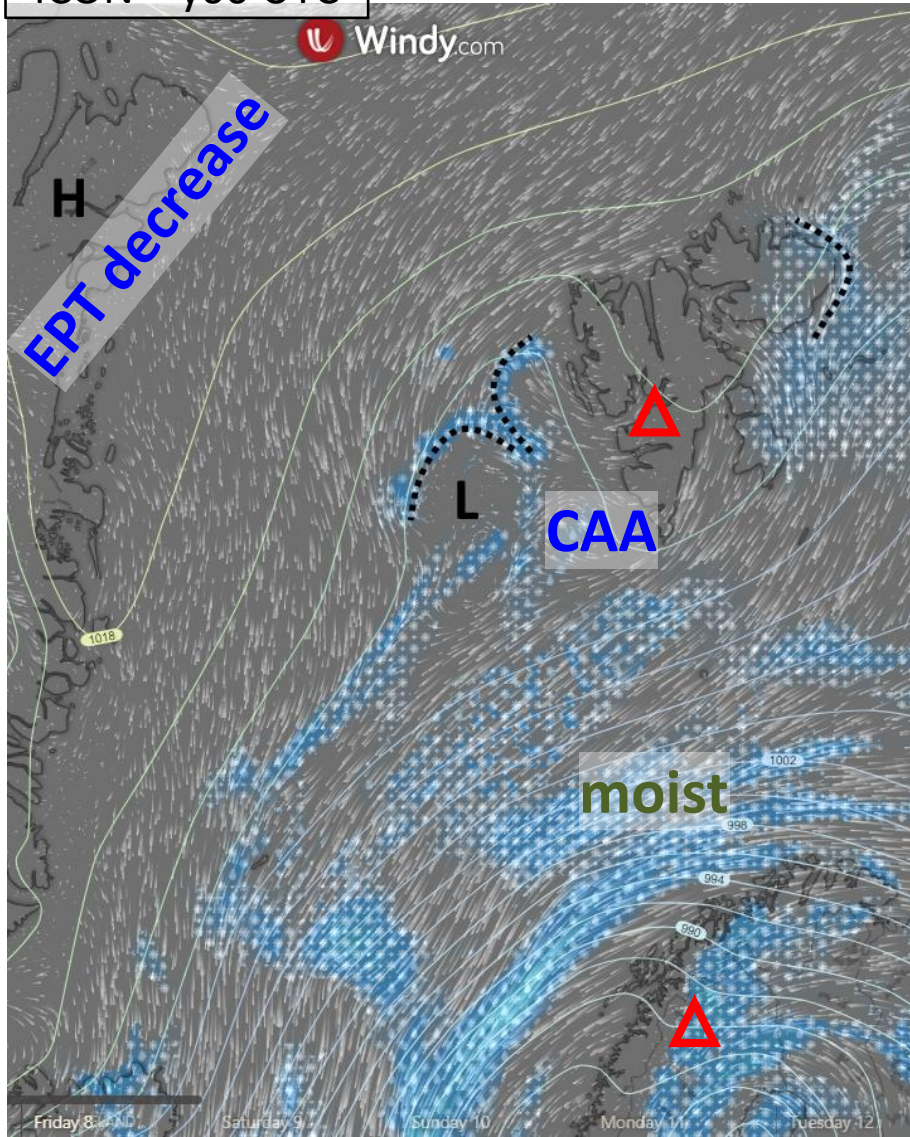


Wednesday, 2022-04-06 15 UTC

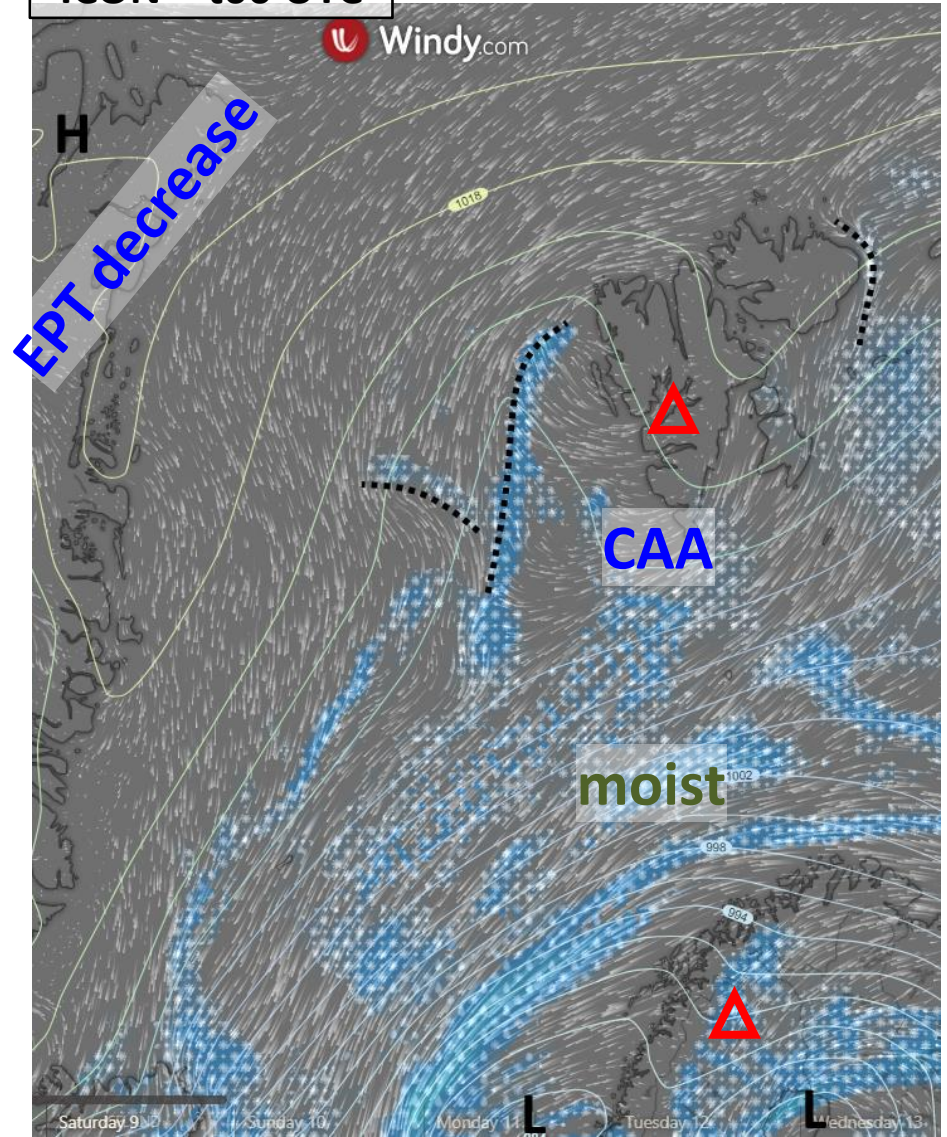


Wednesday, 2022-04-06 15 UTC

ICON – y00 UTC

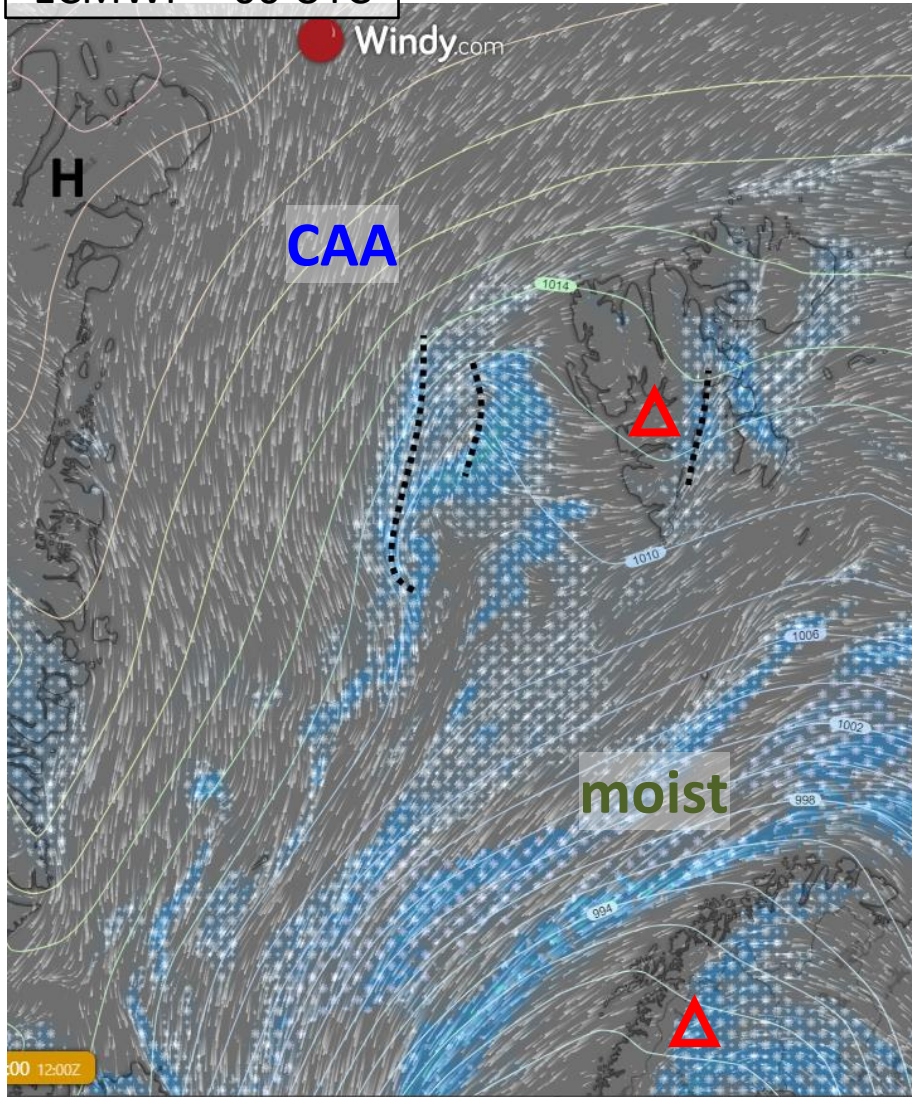


ICON – t00 UTC

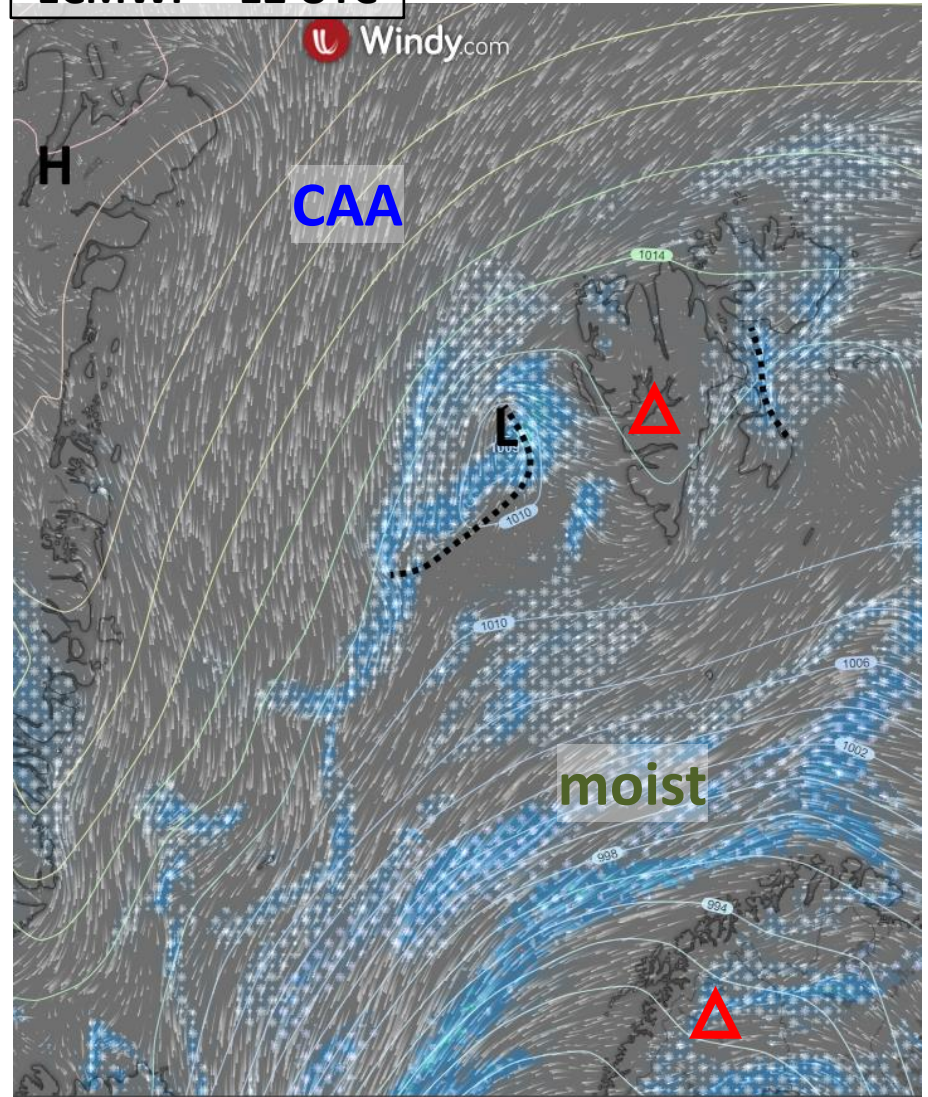


Thursday, 2022-04-07 12 UTC

ECMWF - 00 UTC

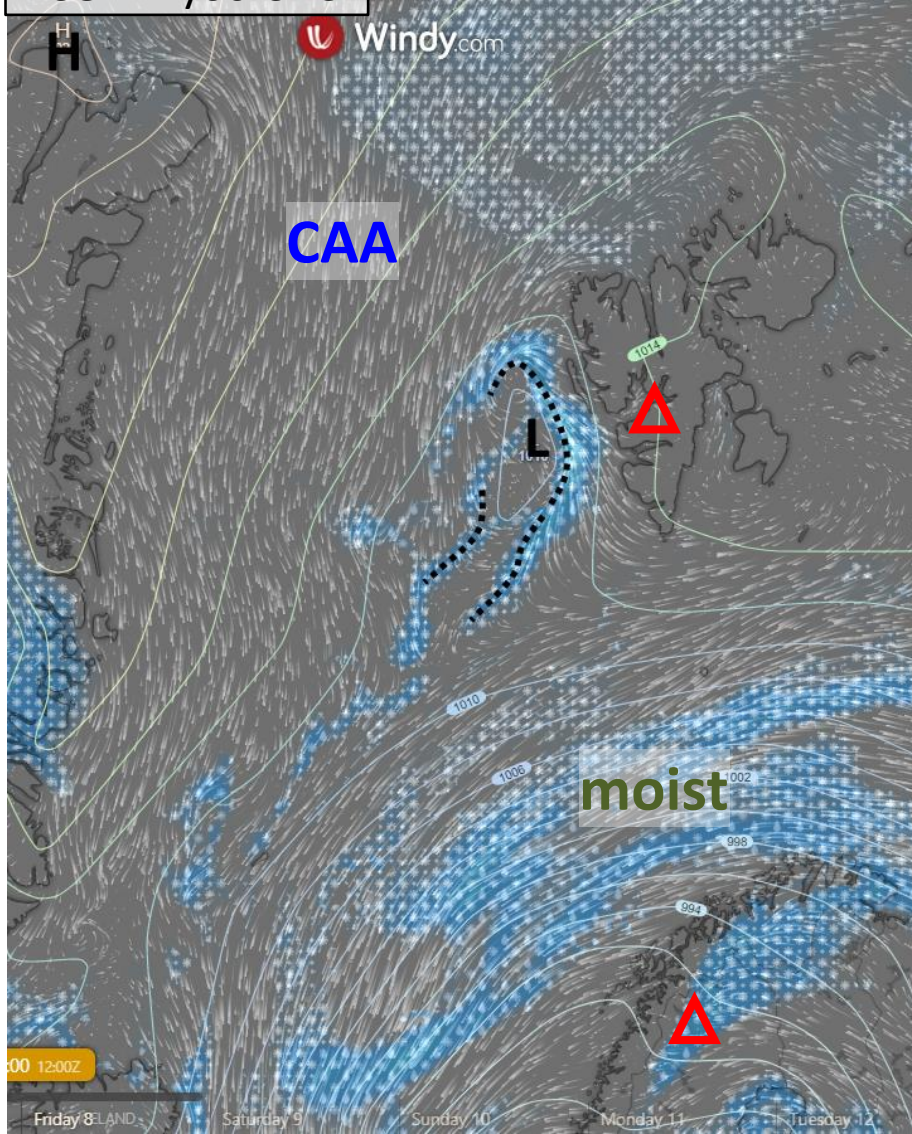


ECMWF - 12 UTC

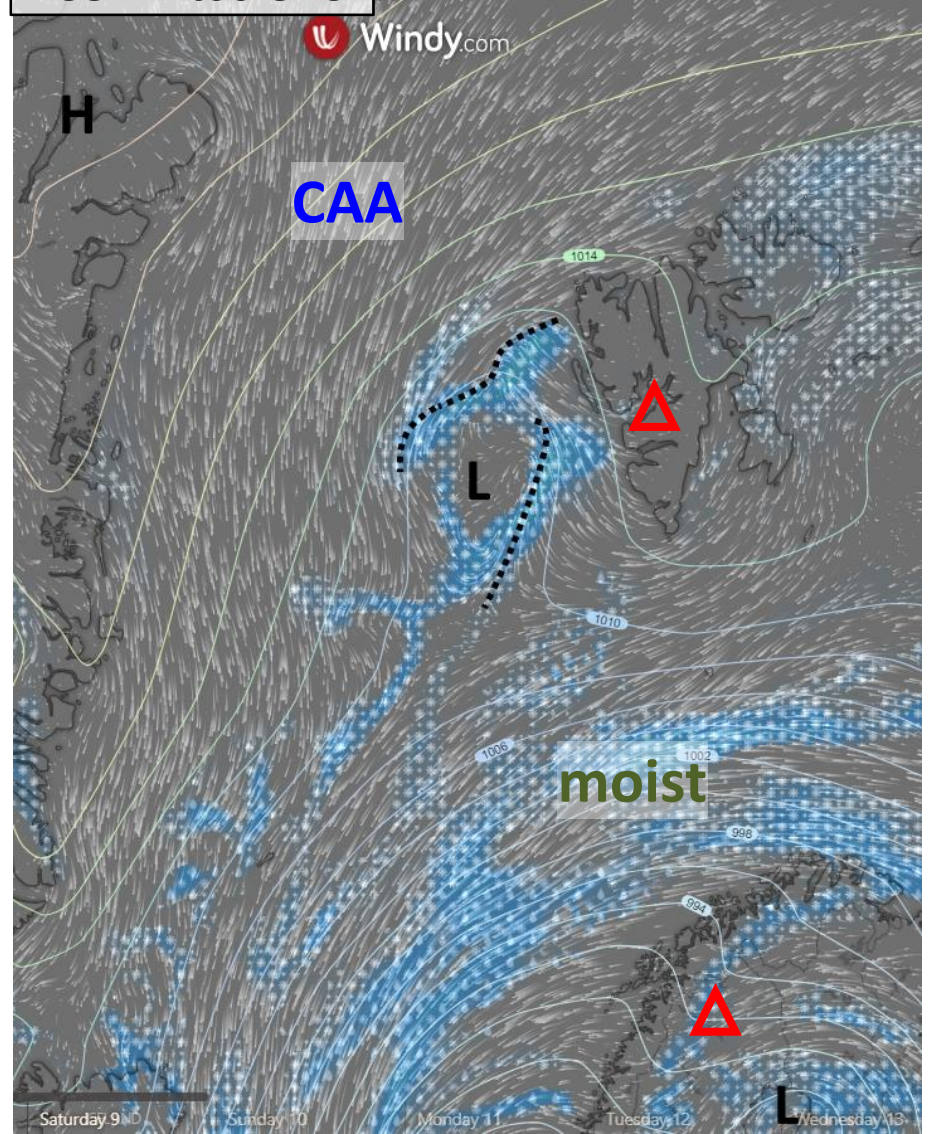


Thursday, 2022-04-07 12 UTC

ICON – y00 UTC

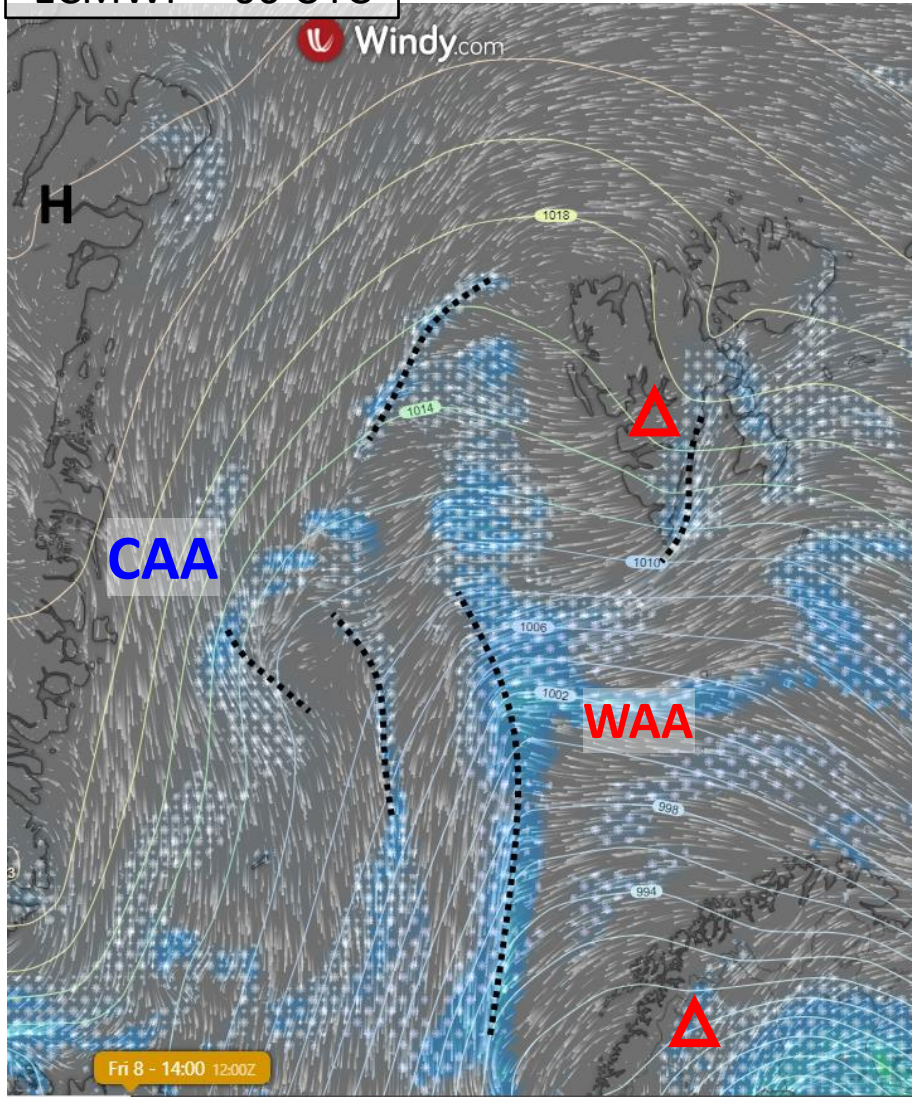


ICON – t00 UTC

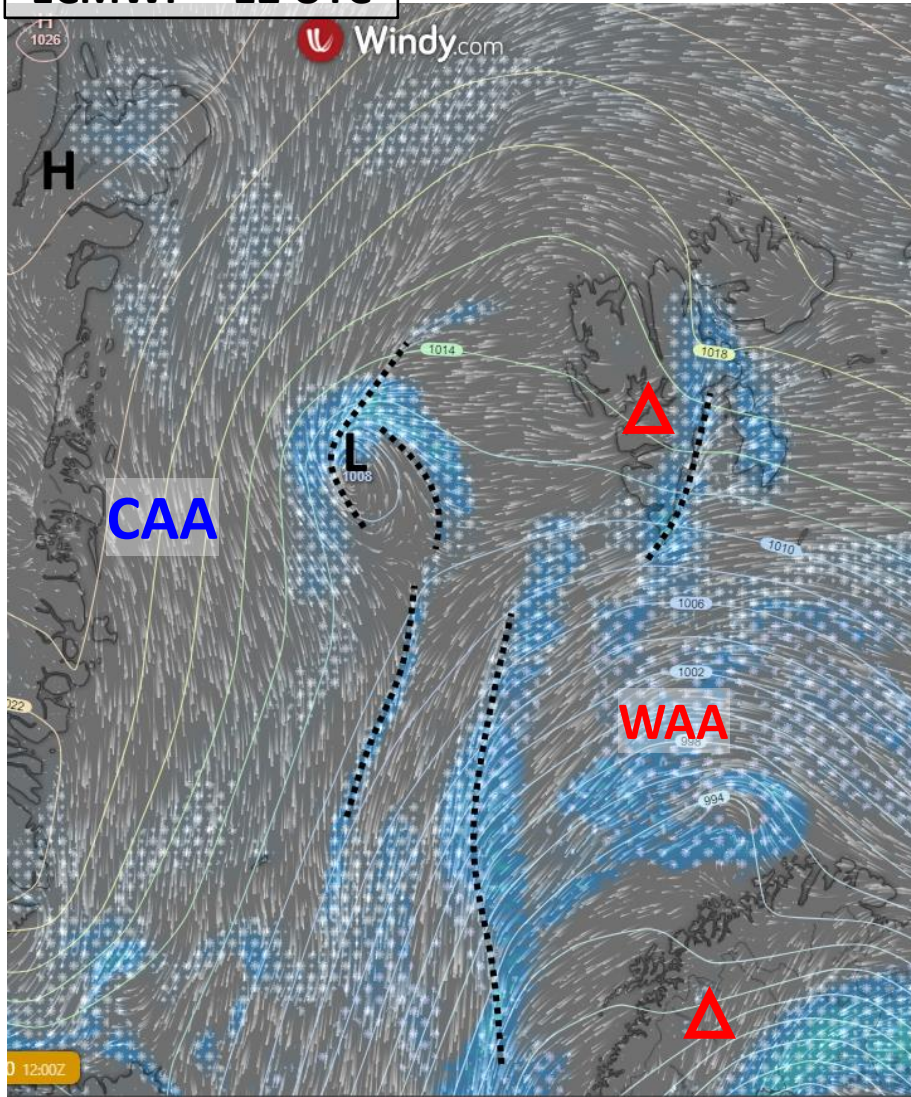


Friday, 2022-04-08 12 UTC

ECMWF – 00 UTC

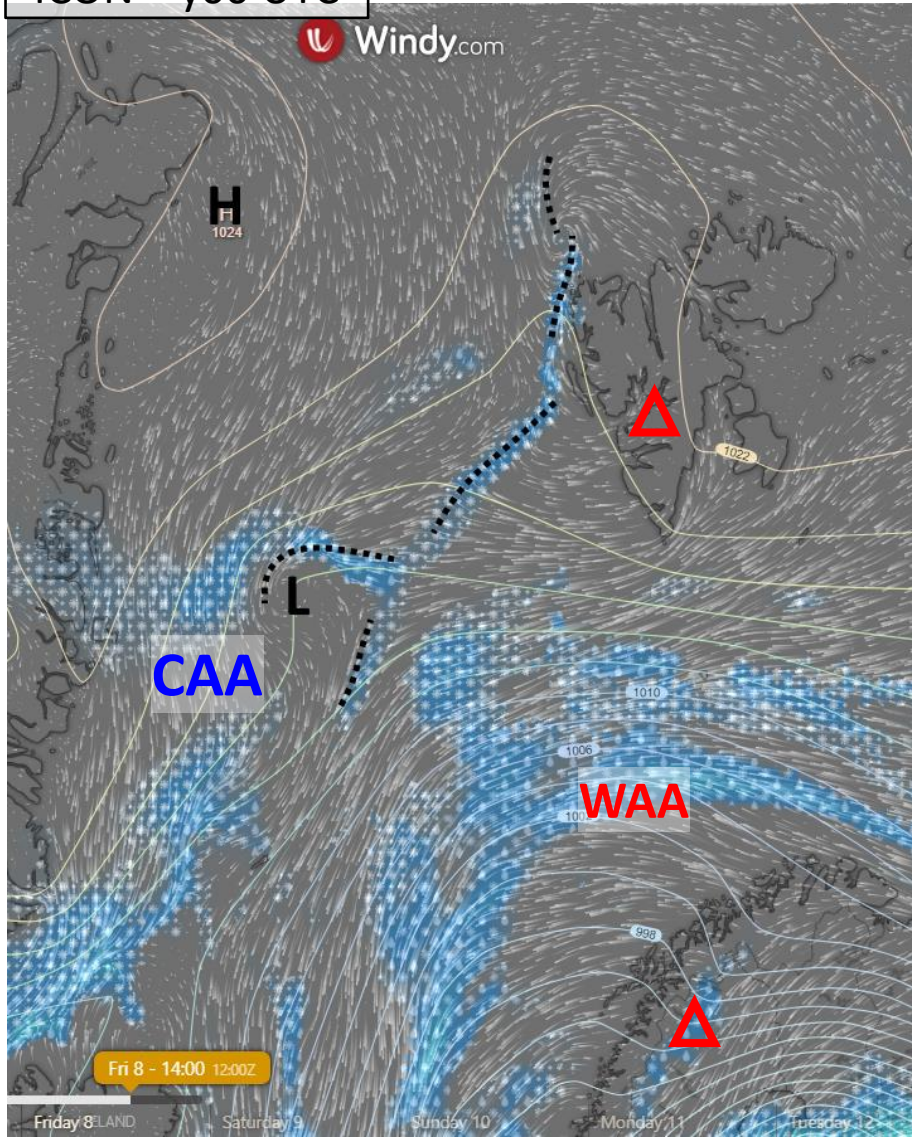


ECMWF – 12 UTC

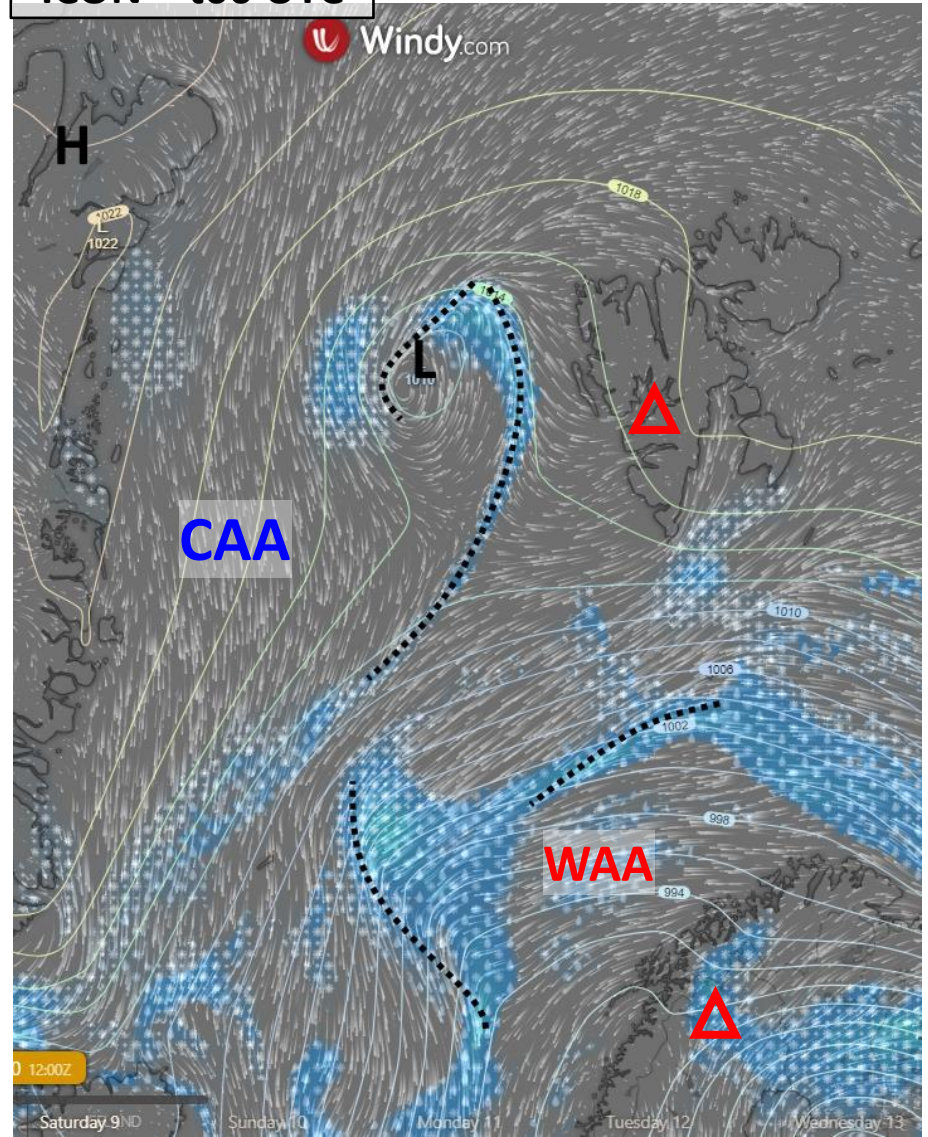


Friday, 2022-04-01 12 UTC

ICON – y00 UTC

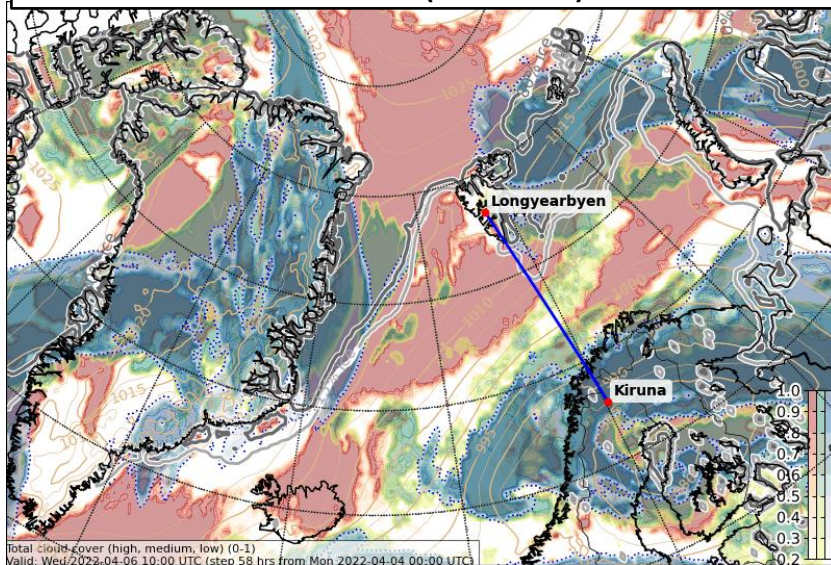


ICON – t00 UTC

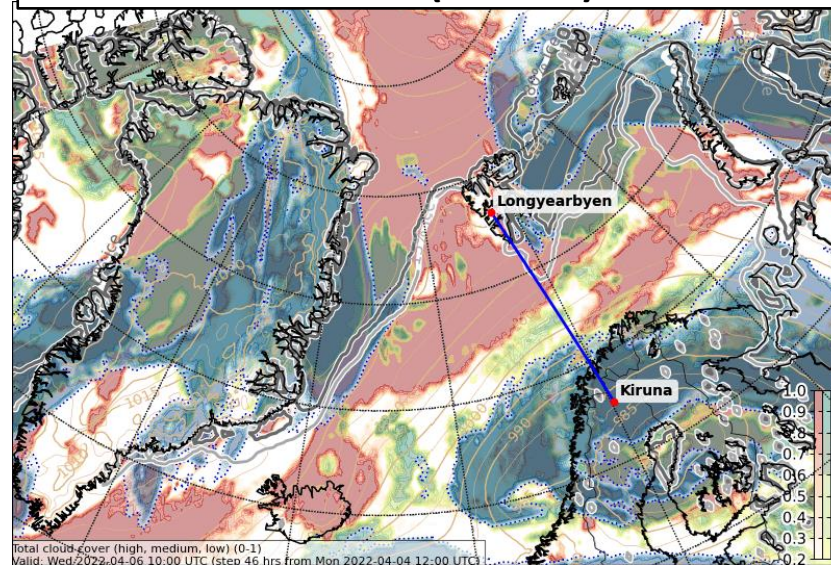


Wed, 2022-04-06 10 UTC, Total cloud cover

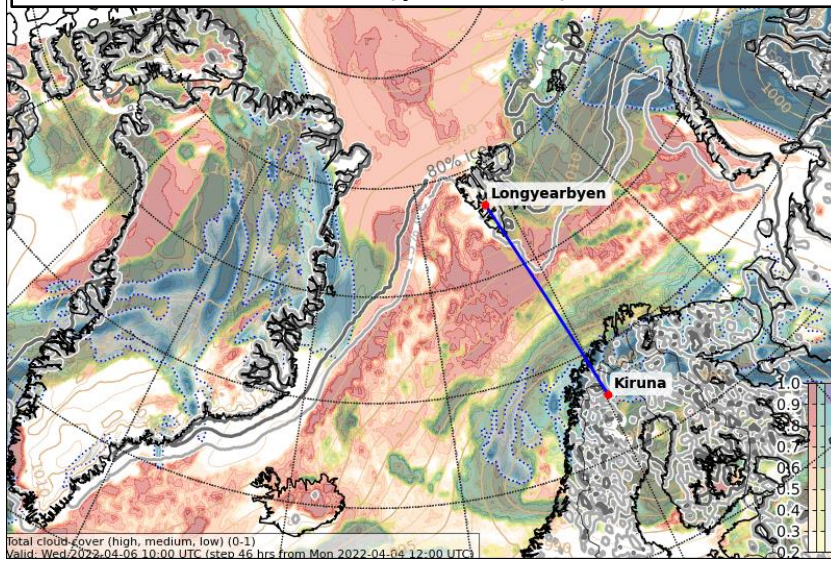
ECMWF (00 UTC)



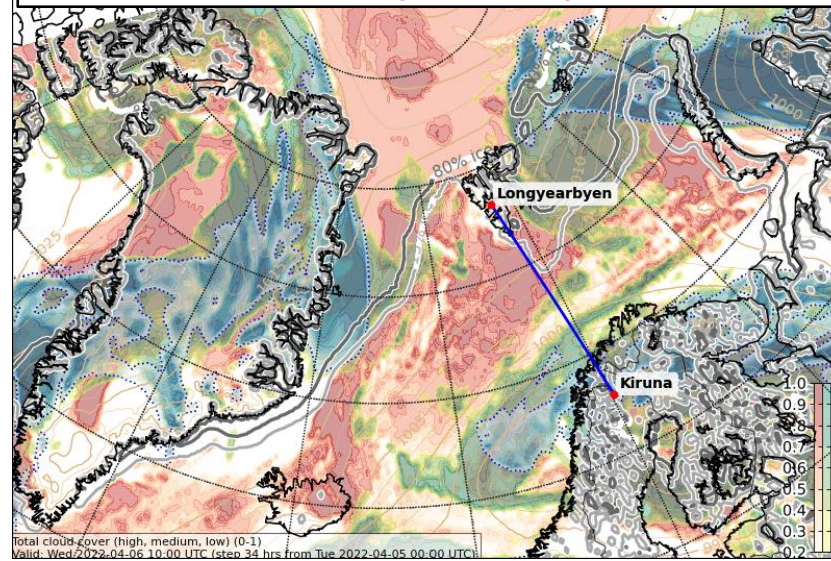
ECMWF (12 UTC)



ICON (y12 UTC)

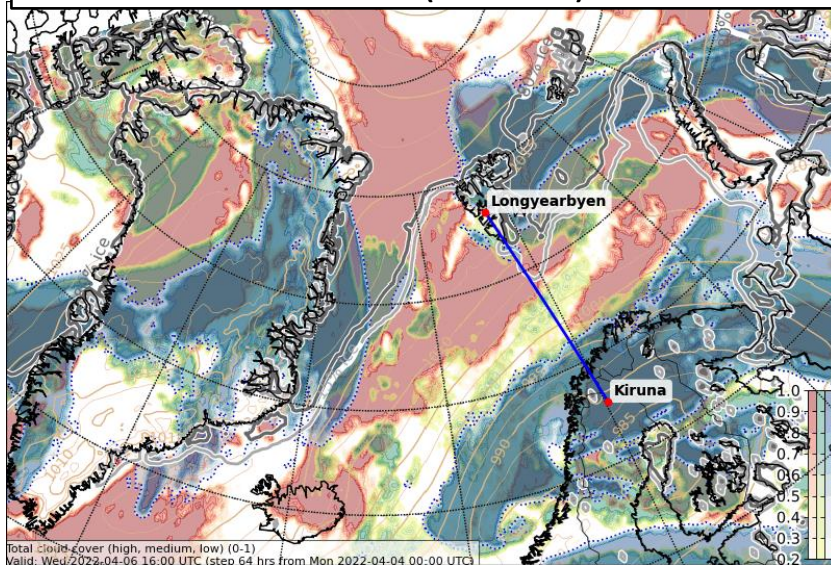


ICON (t00 UTC)

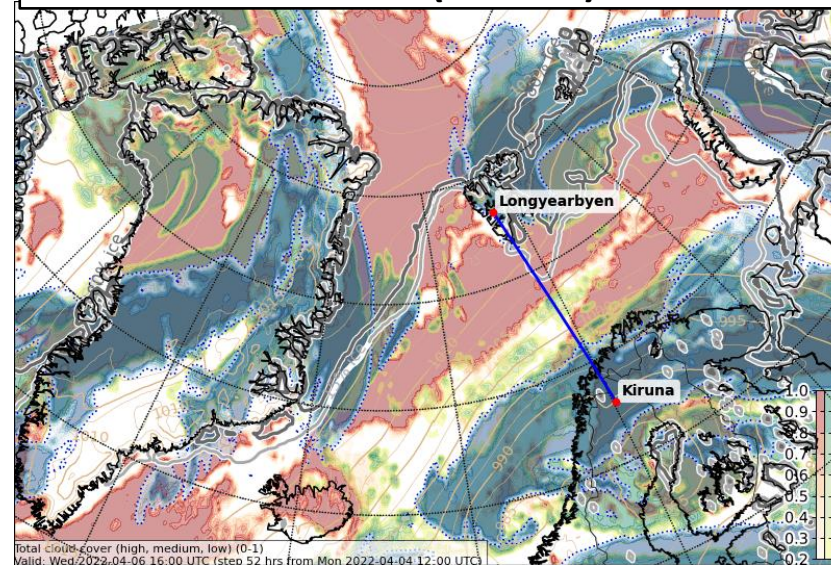


Wed, 2022-04-06 16 UTC, Total cloud cover

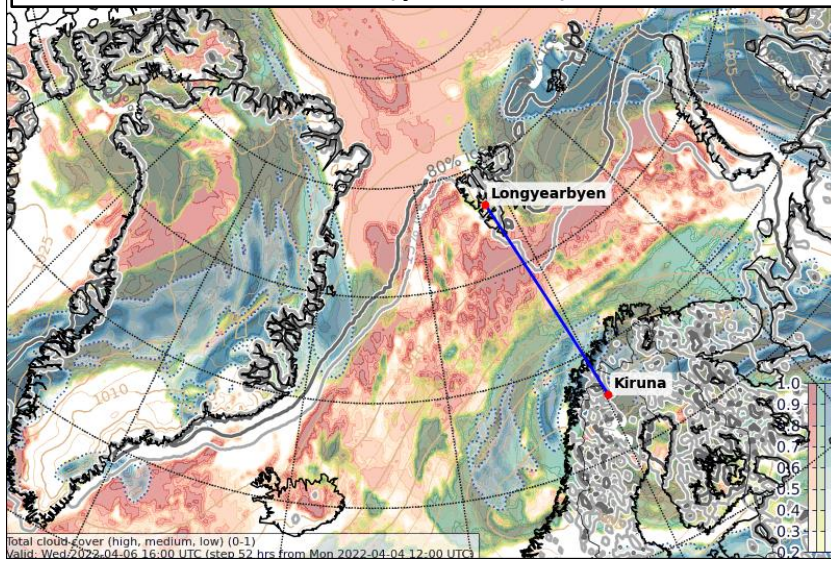
ECMWF (00 UTC)



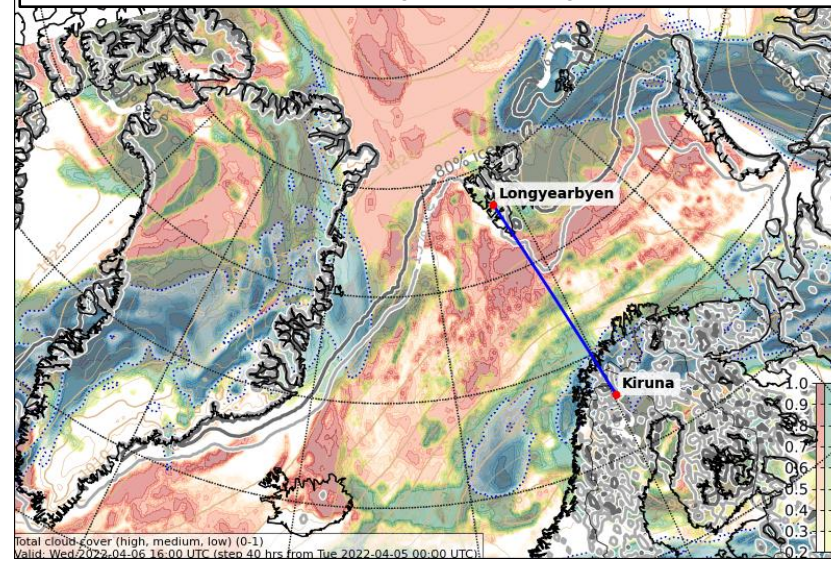
ECMWF (12 UTC)



ICON (y12 UTC)

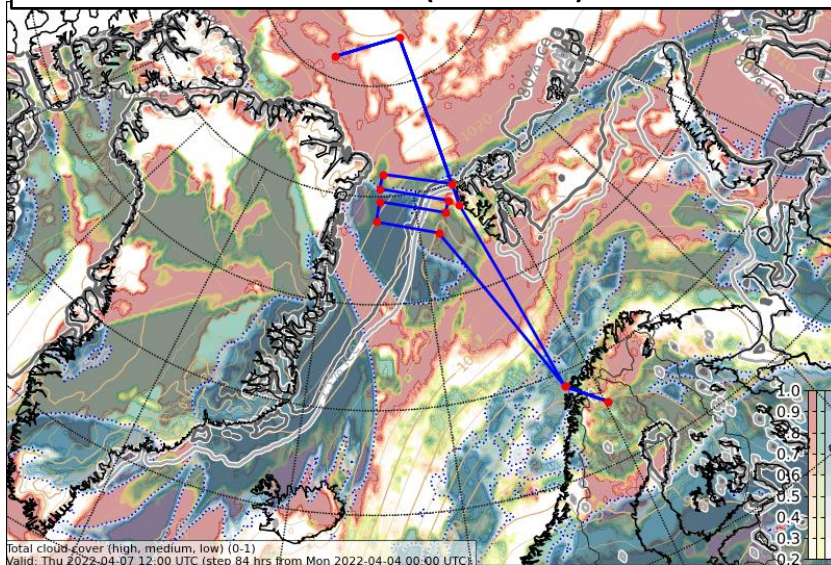


ICON (t00 UTC)



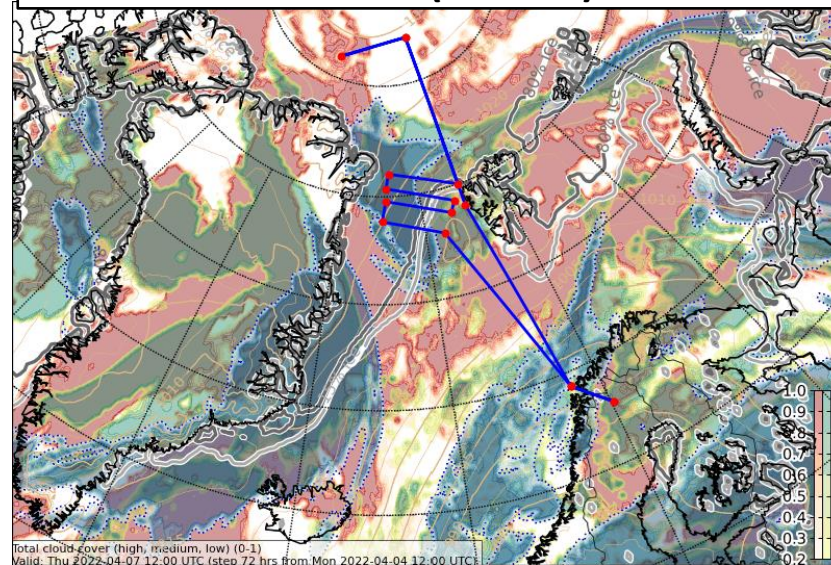
Thu, 2022-04-07 12 UTC, Total cloud cover

ECMWF (00 UTC)



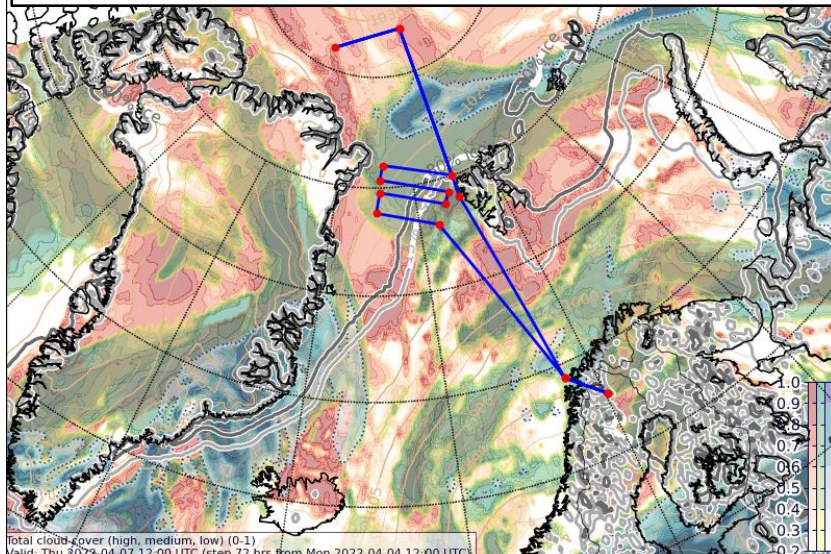
Total cloud cover (high, medium, low) (0-1)
Valid: Thu 2022-04-07 12:00 UTC (step 84 hrs from Mon 2022-04-04 00:00 UTC)

ECMWF (12 UTC)



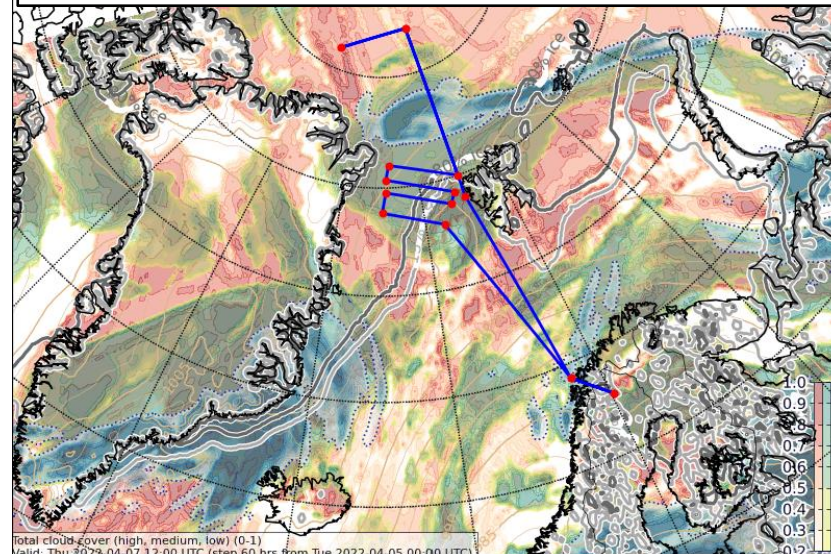
Total cloud cover (high, medium, low) (0-1)
Valid: Thu 2022-04-07 12:00 UTC (step 72 hrs from Mon 2022-04-04 12:00 UTC)

ICON (y12 UTC)



Total cloud cover (high, medium, low) (0-1)
Valid: Thu 2022-04-07 12:00 UTC (step 72 hrs from Mon 2022-04-04 12:00 UTC)

ICON (t00 UTC)

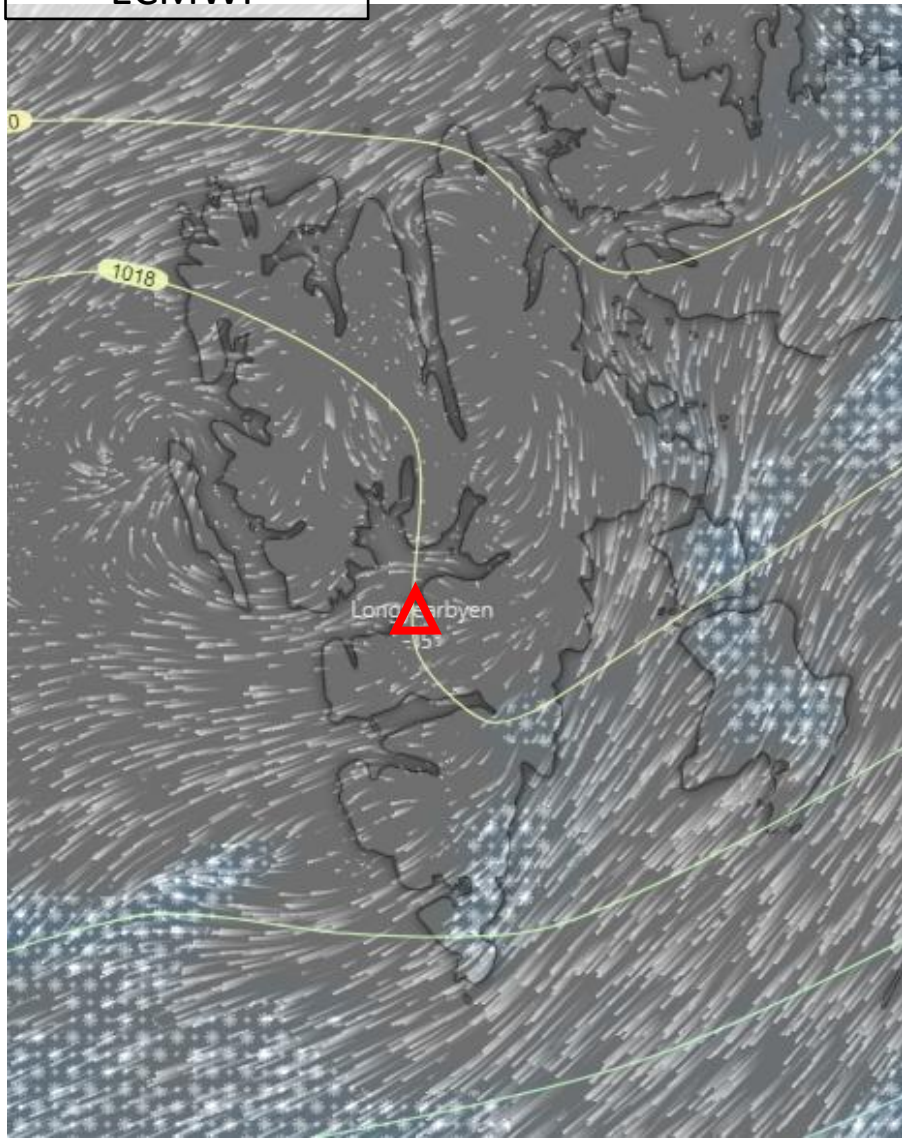


Total cloud cover (high, medium, low) (0-1)
Valid: Thu 2022-04-07 12:00 UTC (step 60 hrs from Tue 2022-04-05 00:00 UTC)

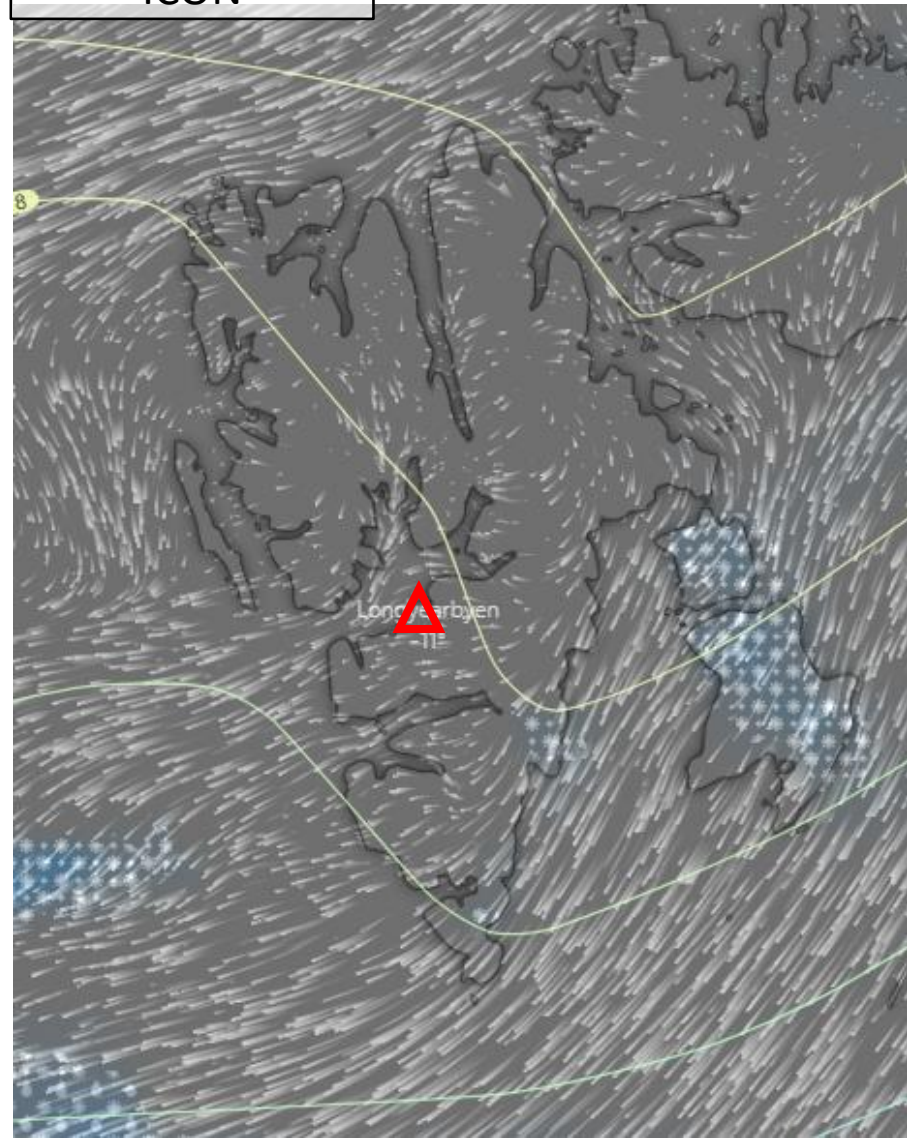
Airport meteograms & local weather at Svalbard

Tue, 2022-04-05 12 UTC: Precipitation

ECMWF

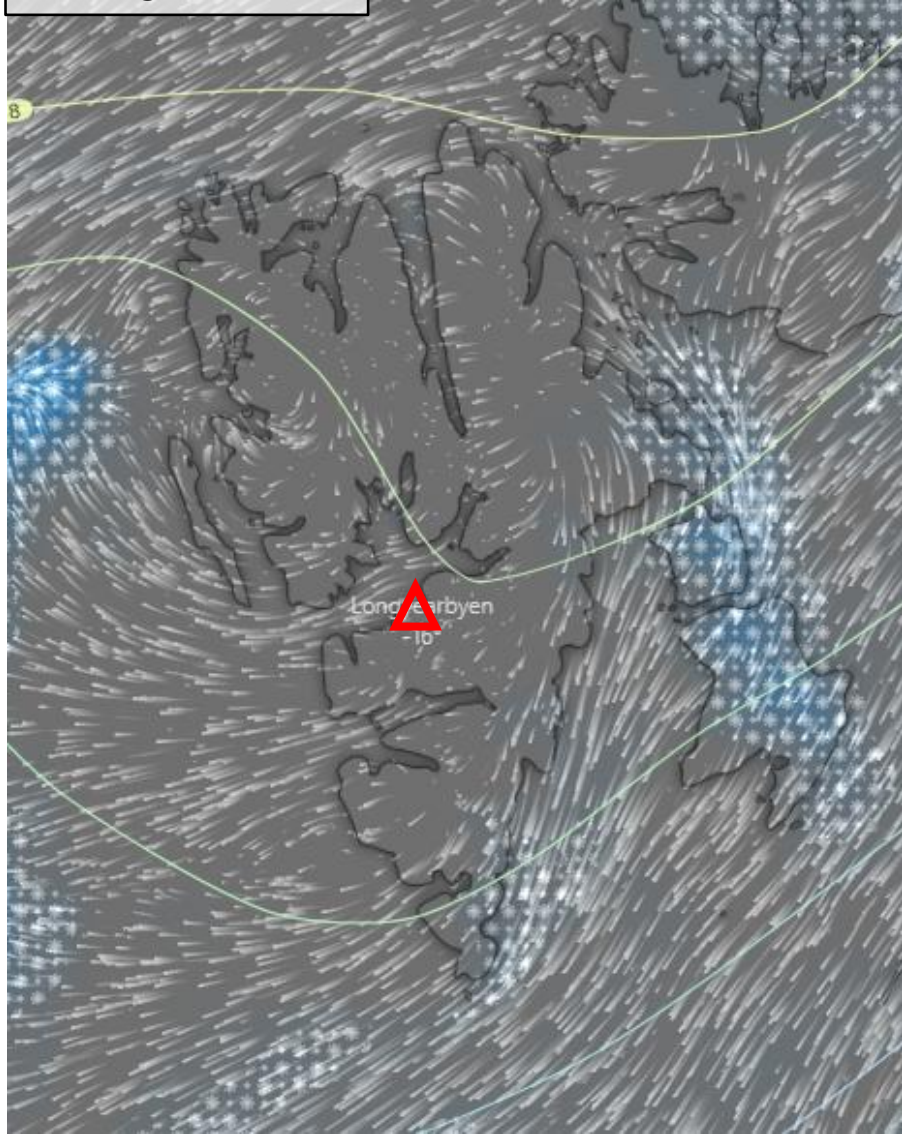


ICON

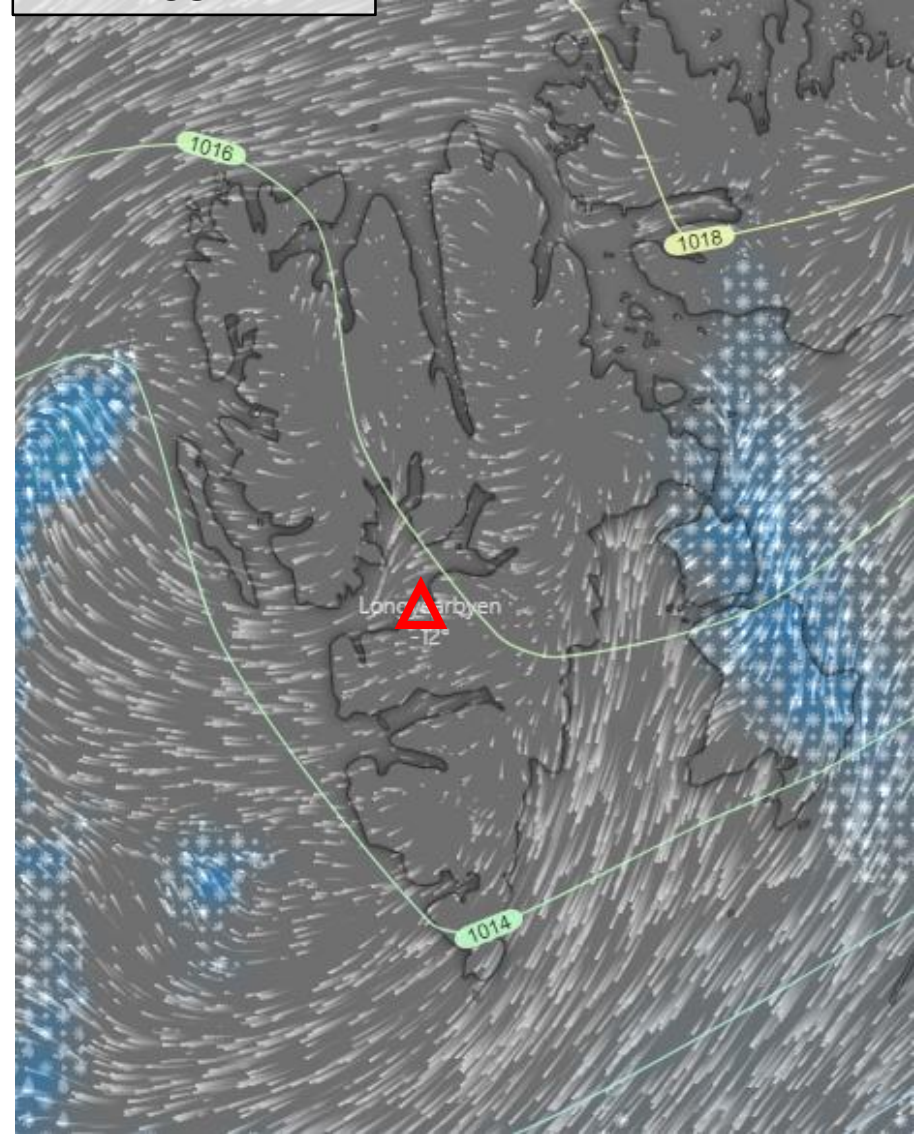


Wed, 2022-04-06 09 UTC: Precipitation

ECMWF

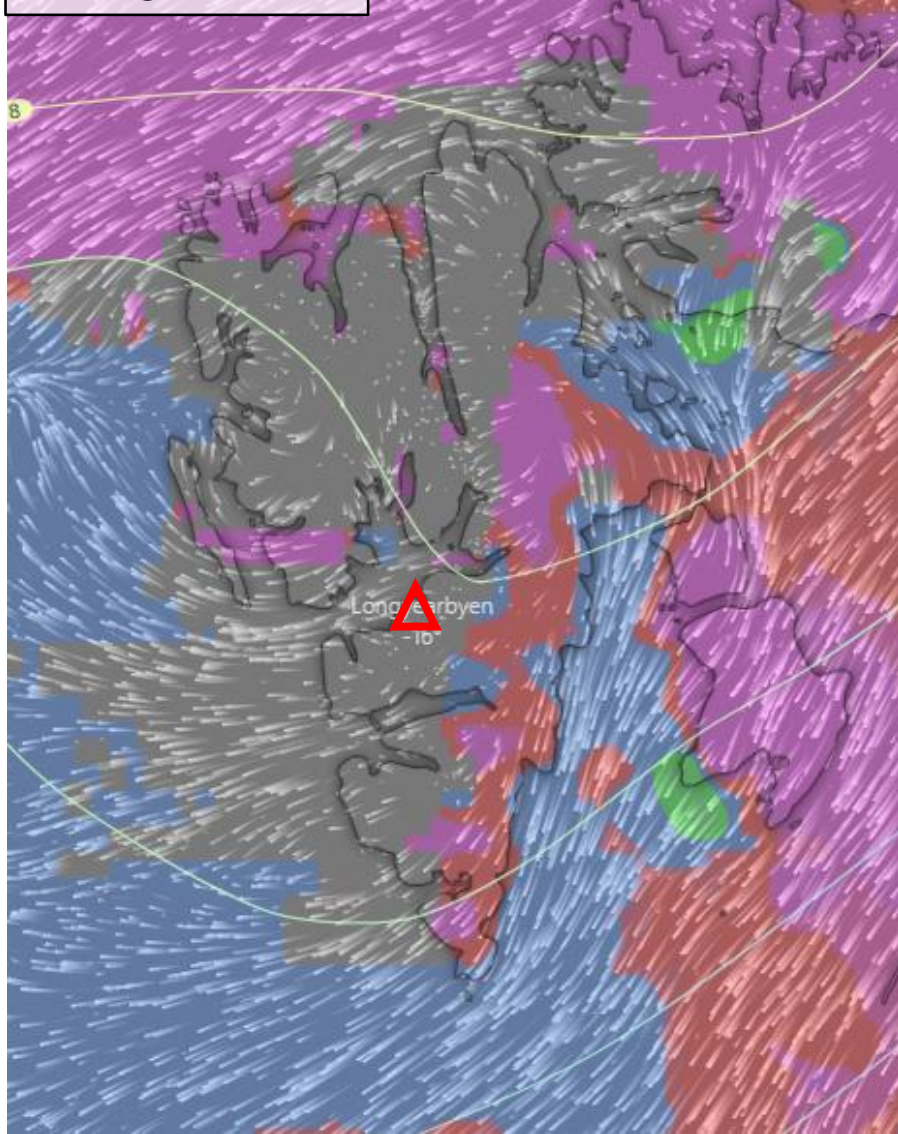


ICON

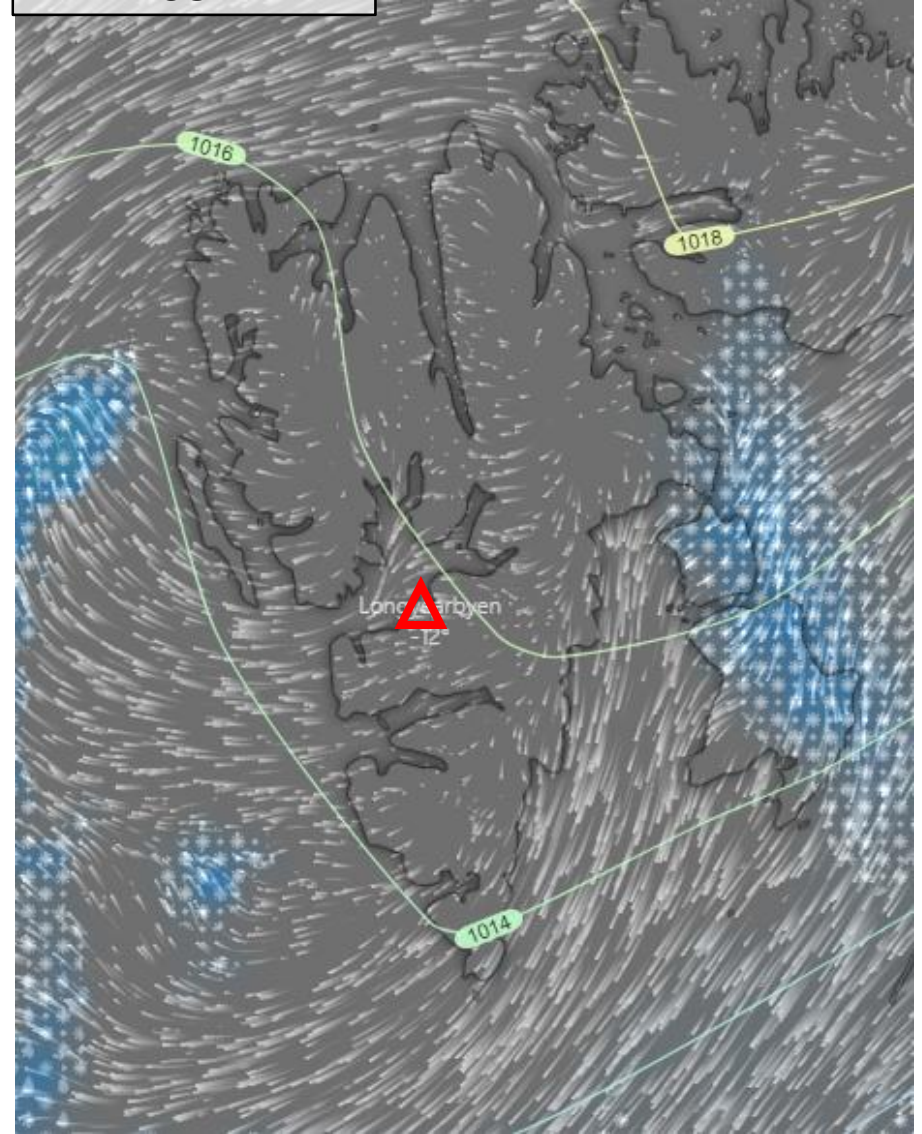


Wed, 2022-04-06 09 UTC: ECMWF Cloud base & ICON precipitation

ECMWF

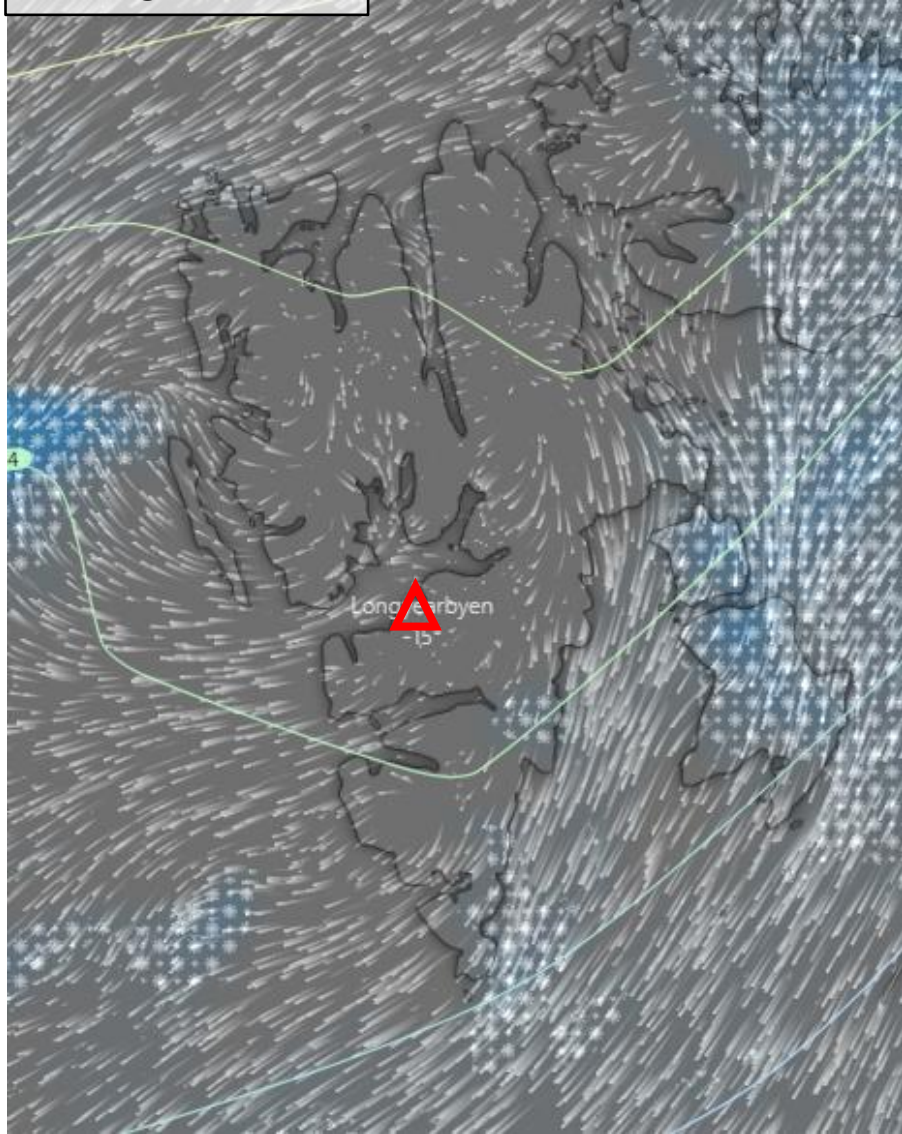


ICON

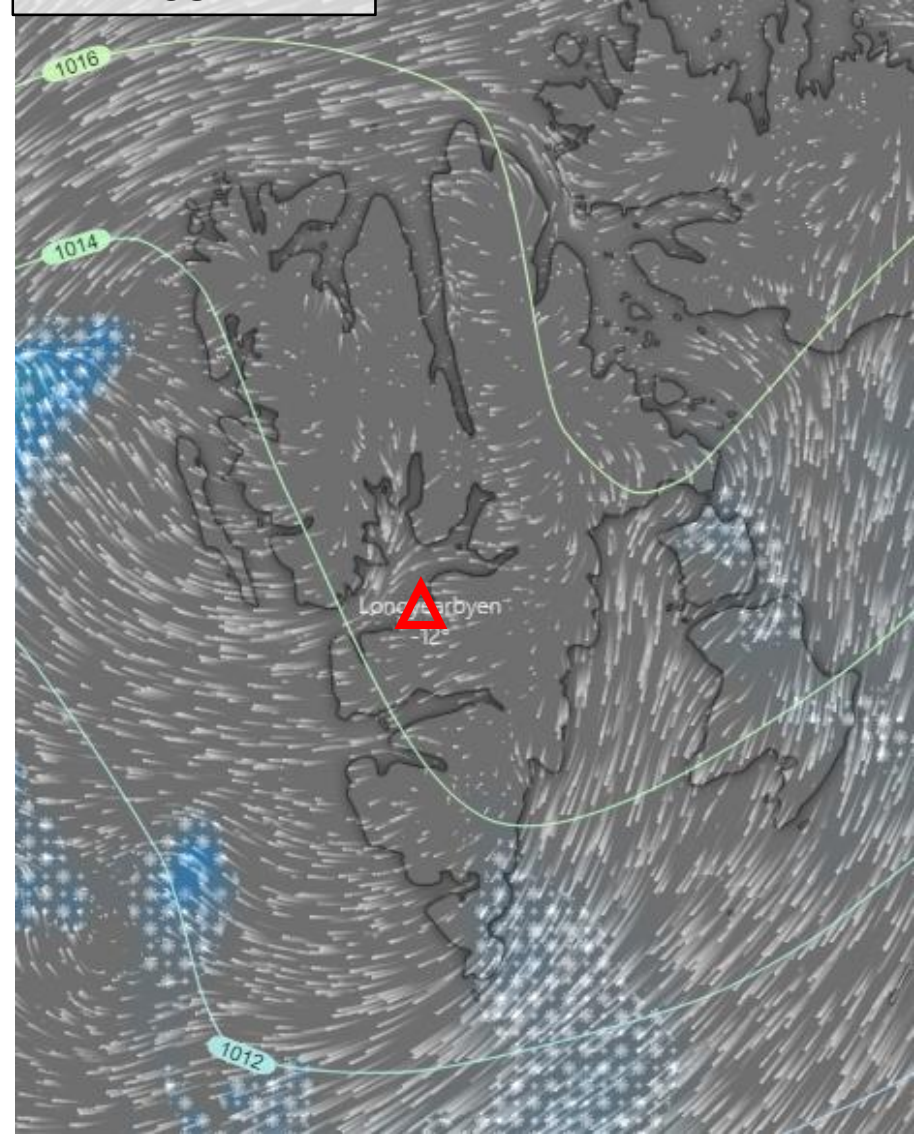


Wed, 2022-04-06 15 UTC: Precipitation

ECMWF

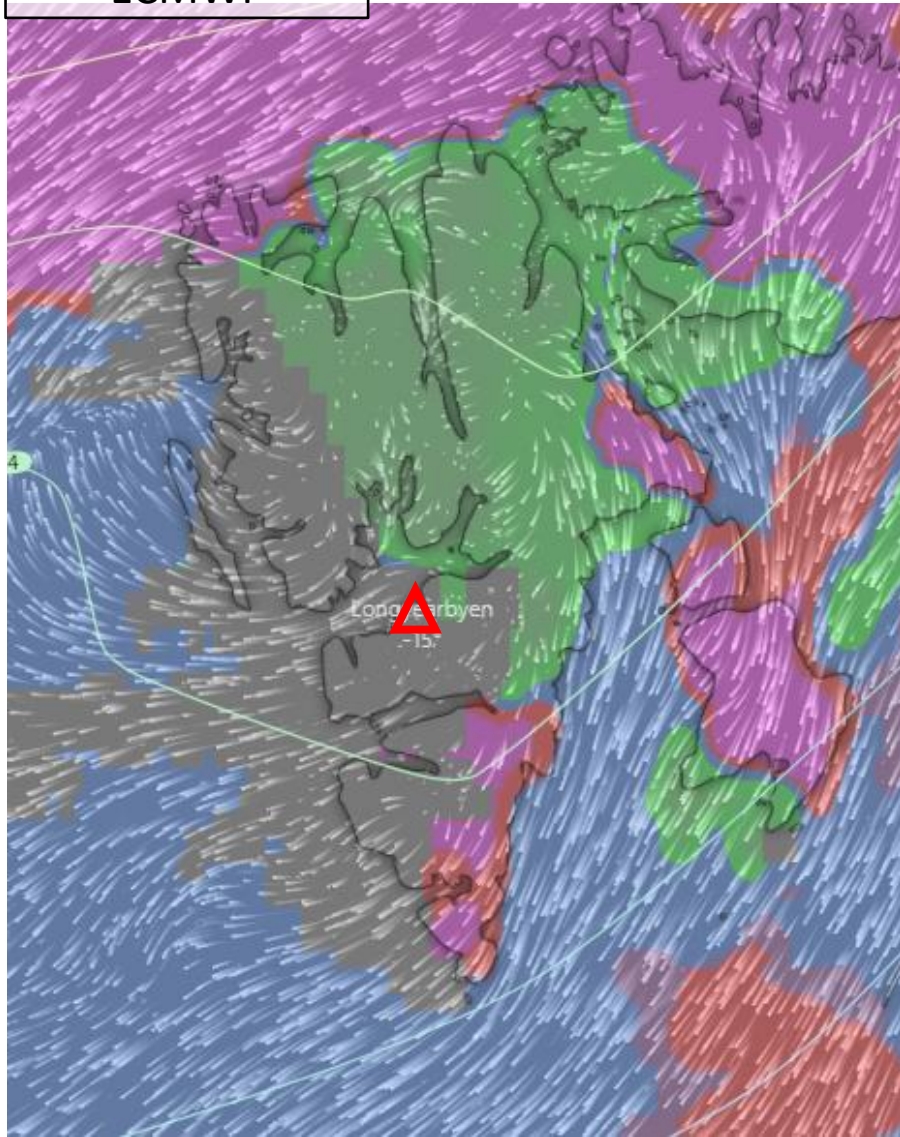


ICON

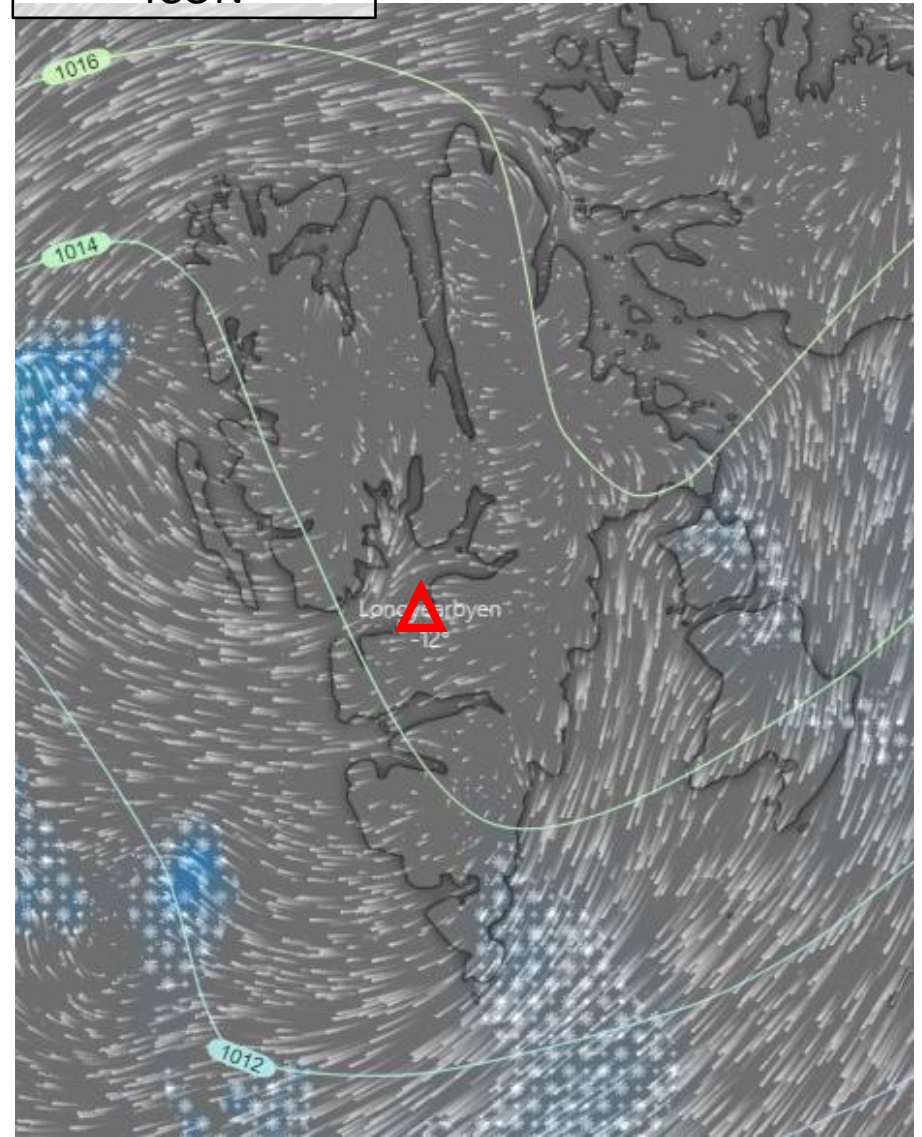


Wed, 2022-04-06 15 UTC: ECMWF Cloud base & ICON precipitation

ECMWF

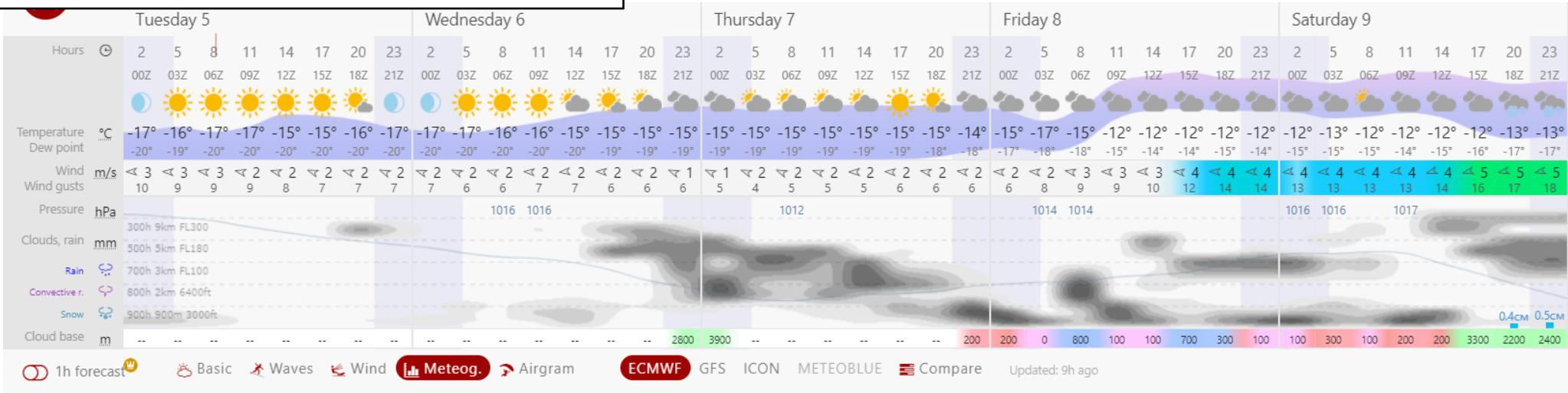


ICON

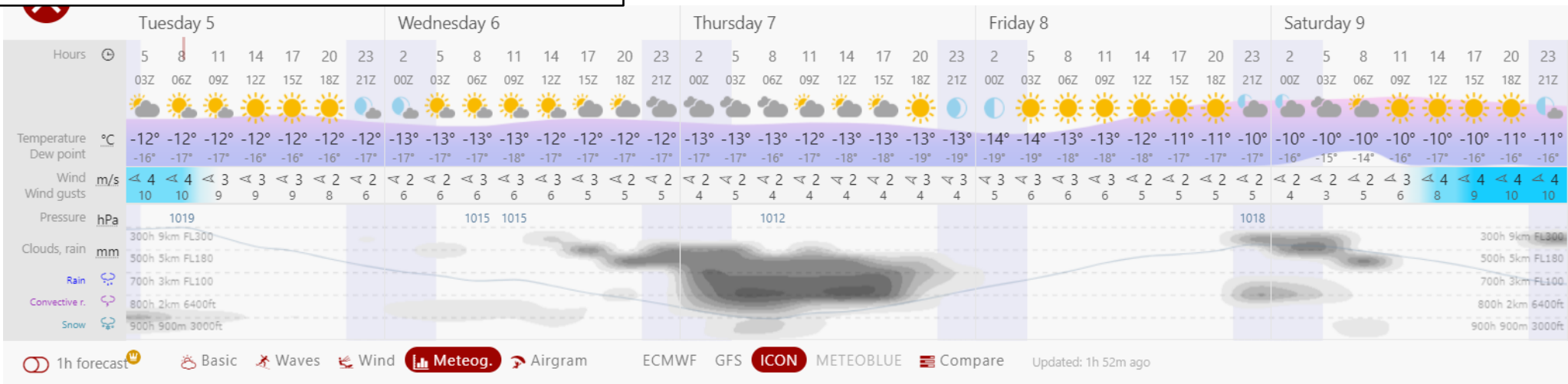


Longyearbyen:

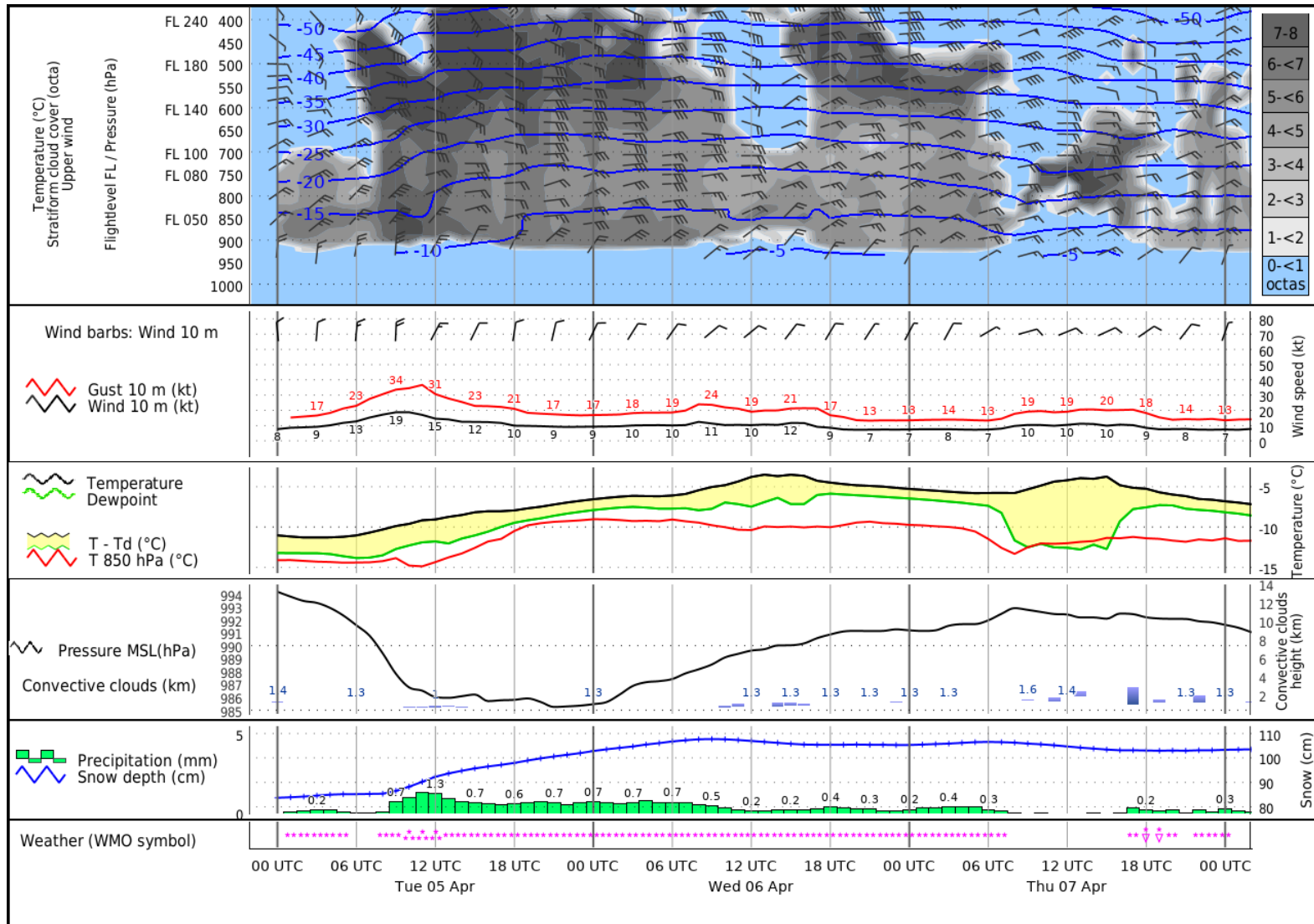
ECWMF



ICON



Kiruna:



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

ICON-EU 2022-04-05 00 UTC, model height: 460 m



Summary

Summary: Weather Update 2022-04-05, 09:00 LT

- **Wednesday, 2022-04-06:**
 - Greenland air mass cools and dries
 - Slightly colder air advected over Svalbard from East
 - Convergence lines in lee of Svalbard
- **Thursday, 2022-04-07:**
 - Convergence lines in Fram Strait
 - Development into Polar Low now seen by both ICON and ECMWF
 - Cirrus field position uncertain
 - Best flying conditions: Come back early according to ICON
 - CAA in western Fram Strait
- **Friday, 2022-04-08:**
 - Development of Polar Low uncertain between old and new runs
 - But at the moment, ECMWF and ICON more or less agree
 - Arrival of warmer air from Scandinavian Low system
 - CAA in western Fram Strait