

Weather briefing HALO-(AC)³

Tuesday, 2022-03-29, 09:00 LT

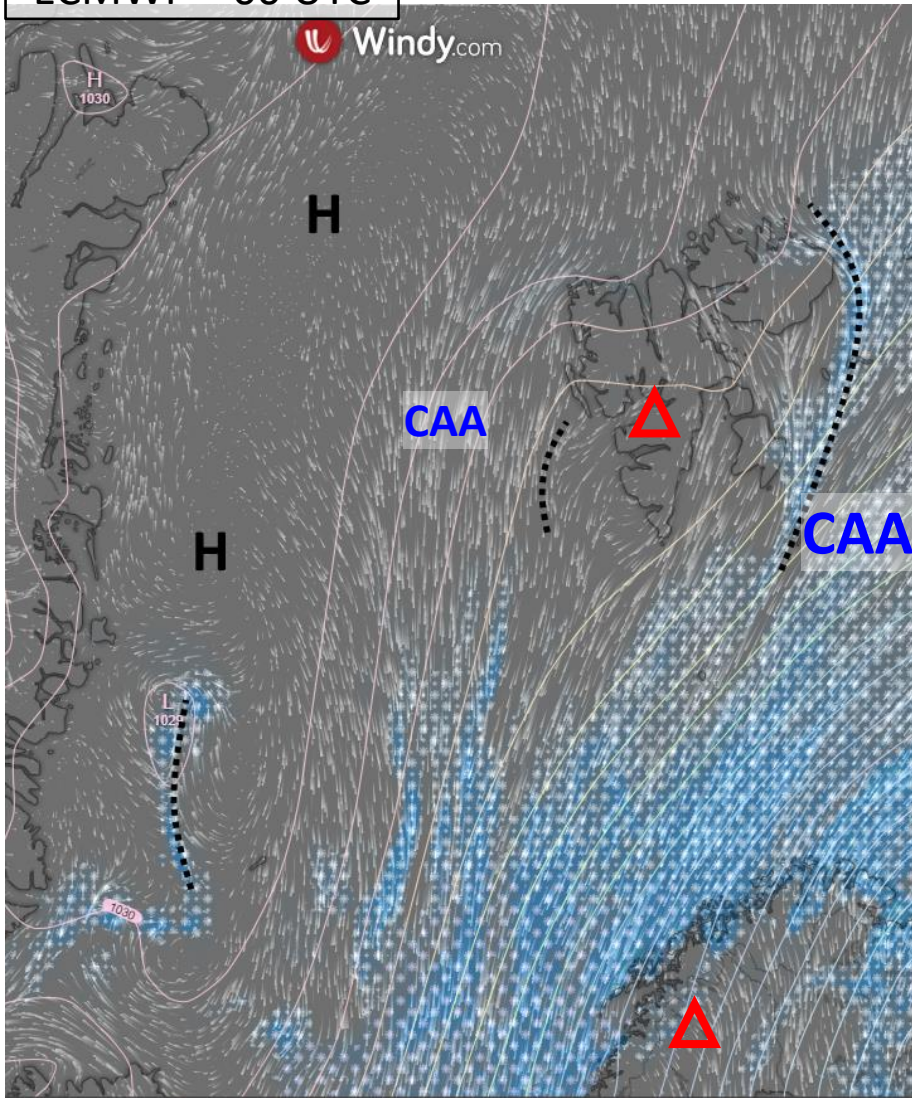
Forecast comparison
yesterday 00 UTC vs. **yesterday 12 UTC**/today 00 UTC
ECMWF & ICON

CAA: Cold Air Advection

WAA: Warm Air Advection

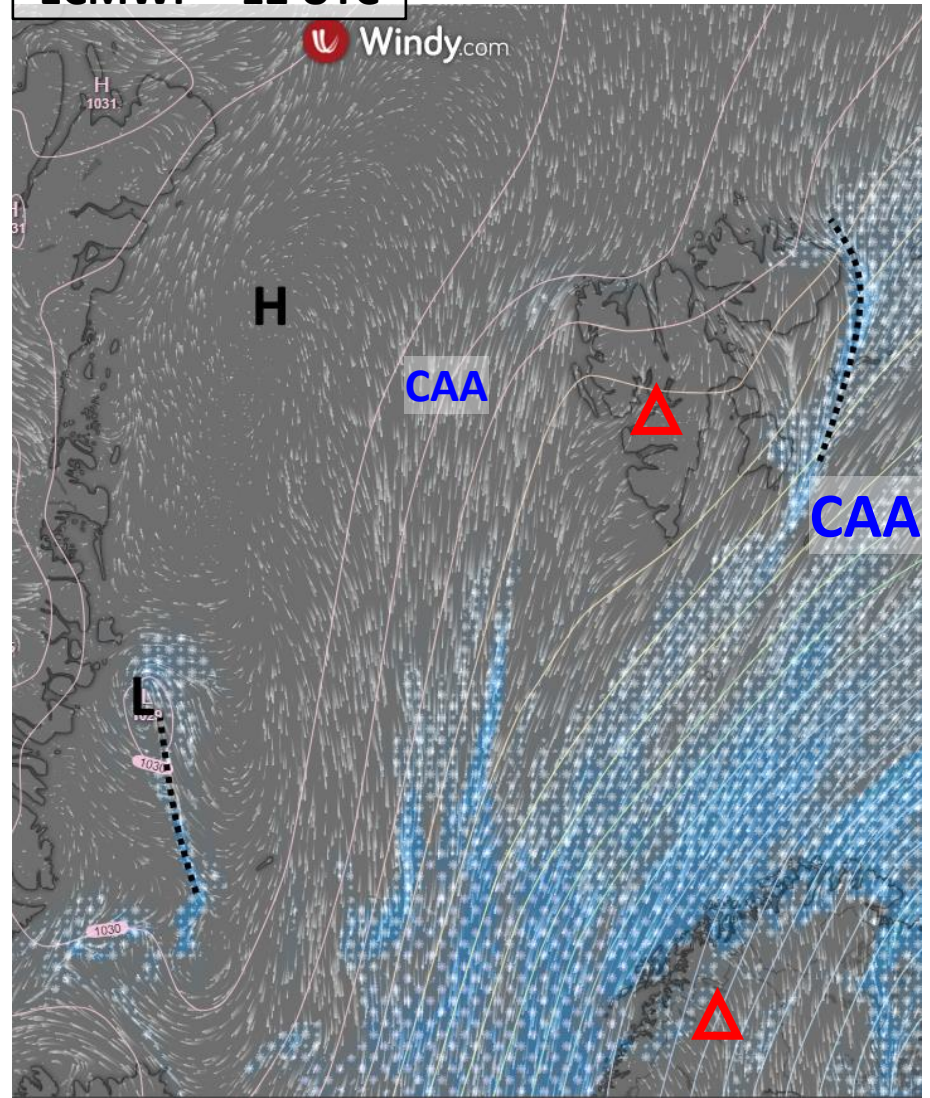
Wednesday, 2022-03-30 09 UTC

ECMWF – 00 UTC



Friday 1ST Saturday 2 Sunday 3 Monday 4 Tuesday 5

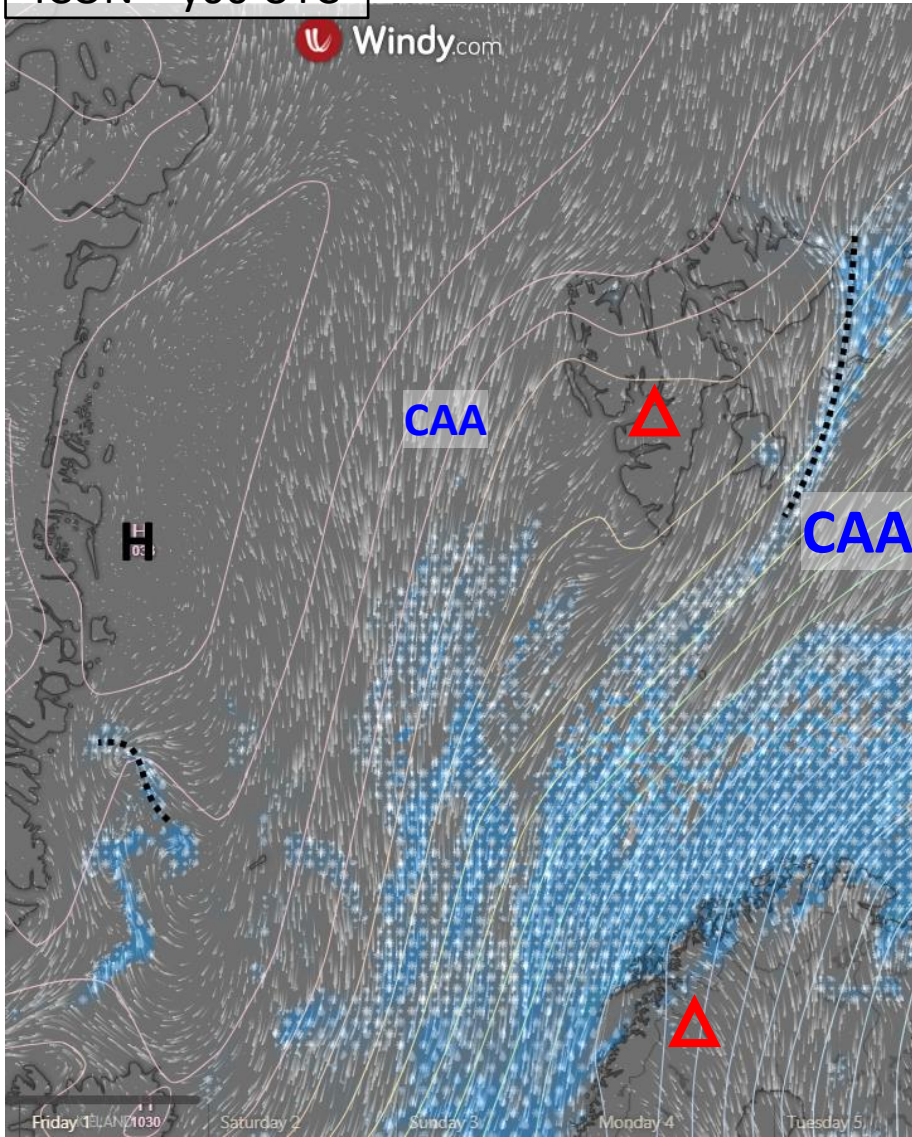
ECMWF – 12 UTC



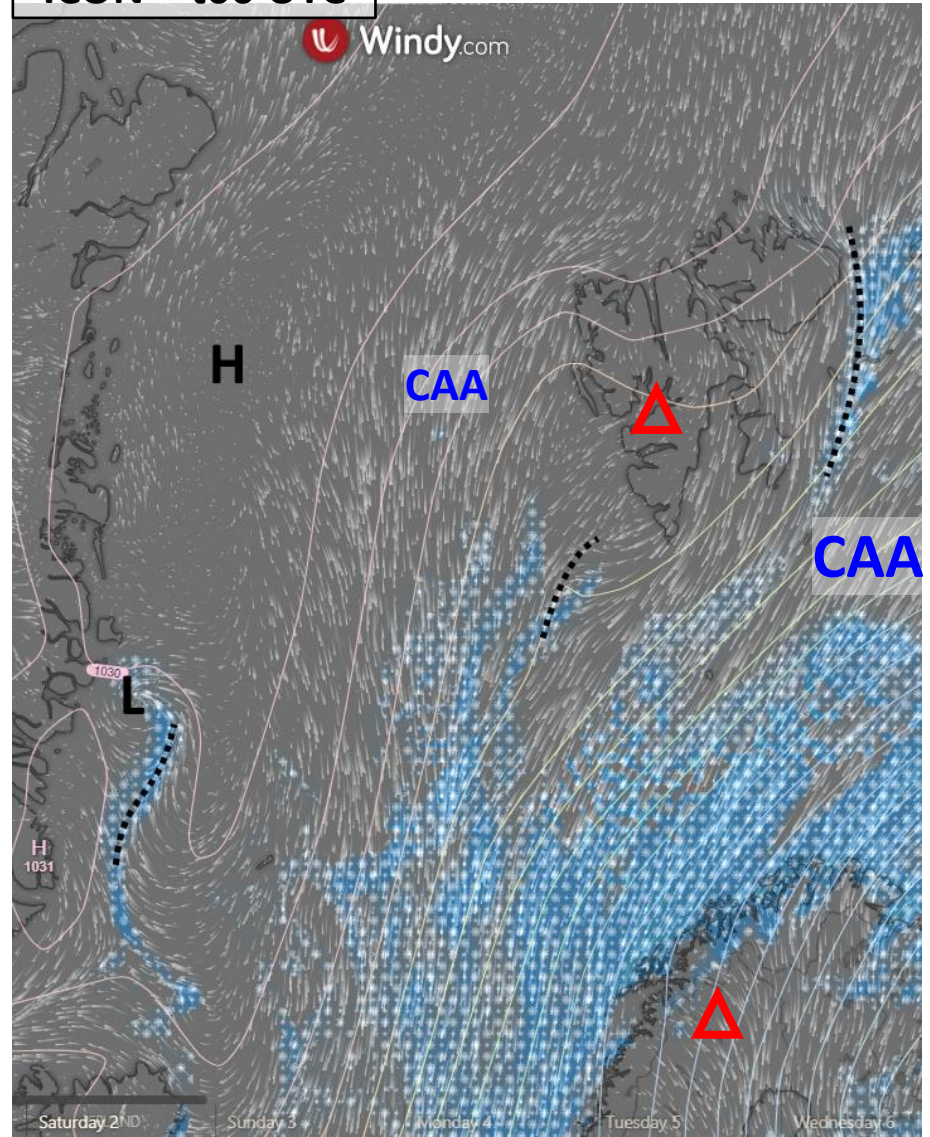
Saturday 2ND Sunday 3 Monday 4 Tuesday 5 Wednesday 6

Wednesday, 2022-03-30 09 UTC

ICON – y00 UTC

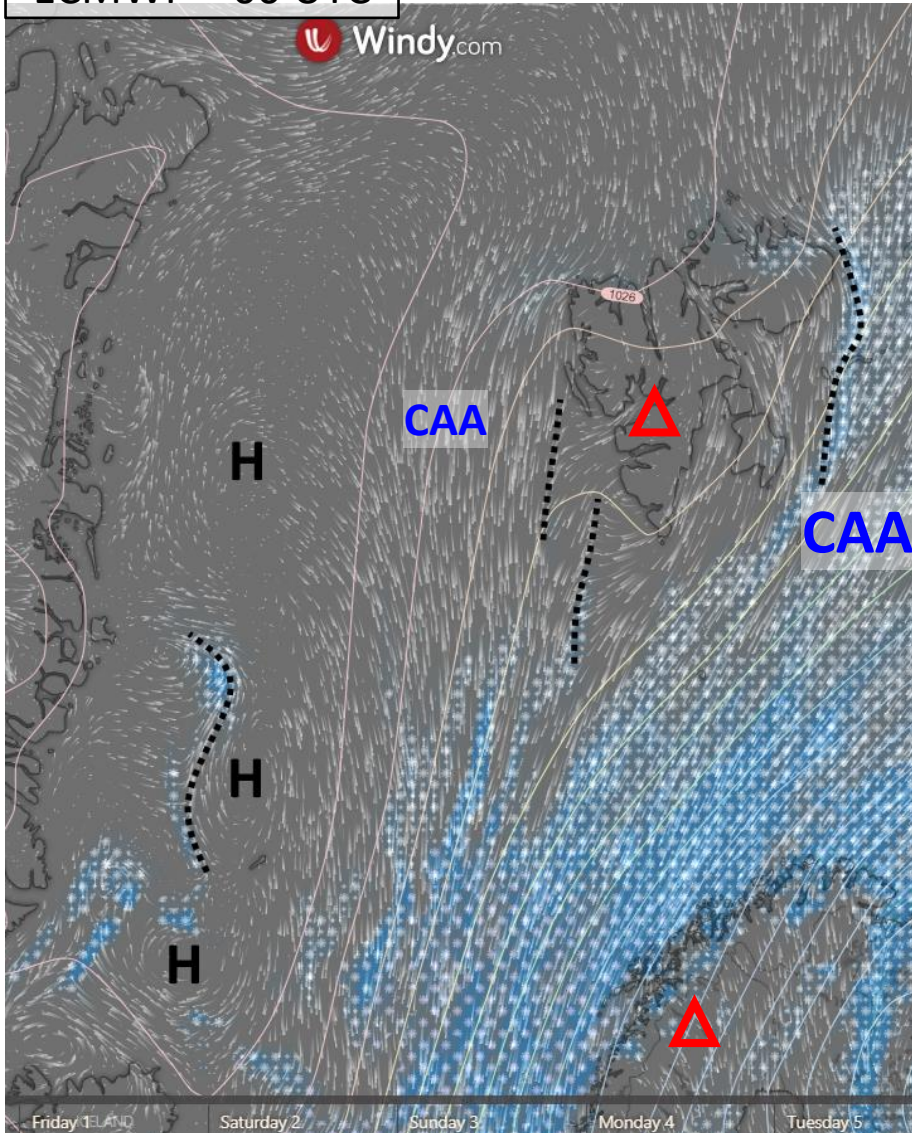


ICON – t00 UTC

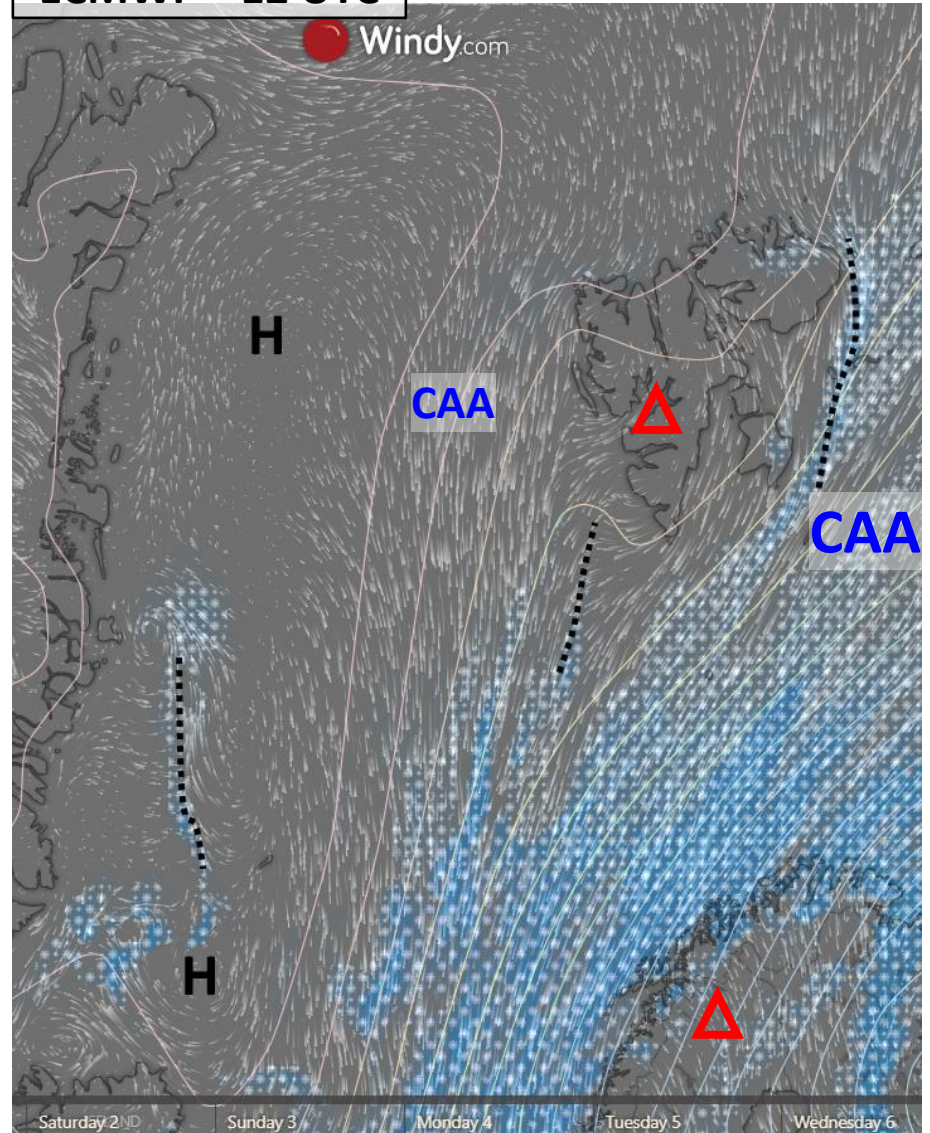


Wednesday, 2022-03-30 15 UTC

ECMWF – 00 UTC

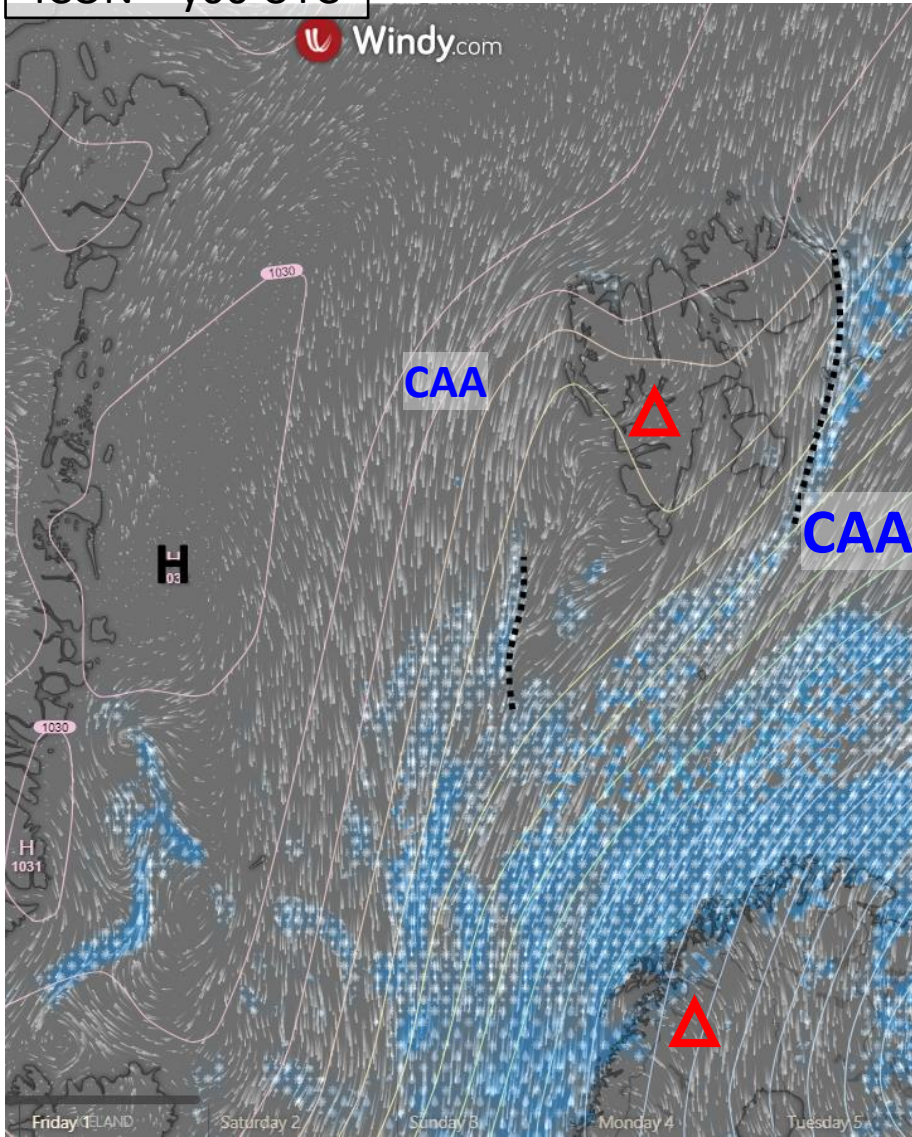


ECMWF – 12 UTC

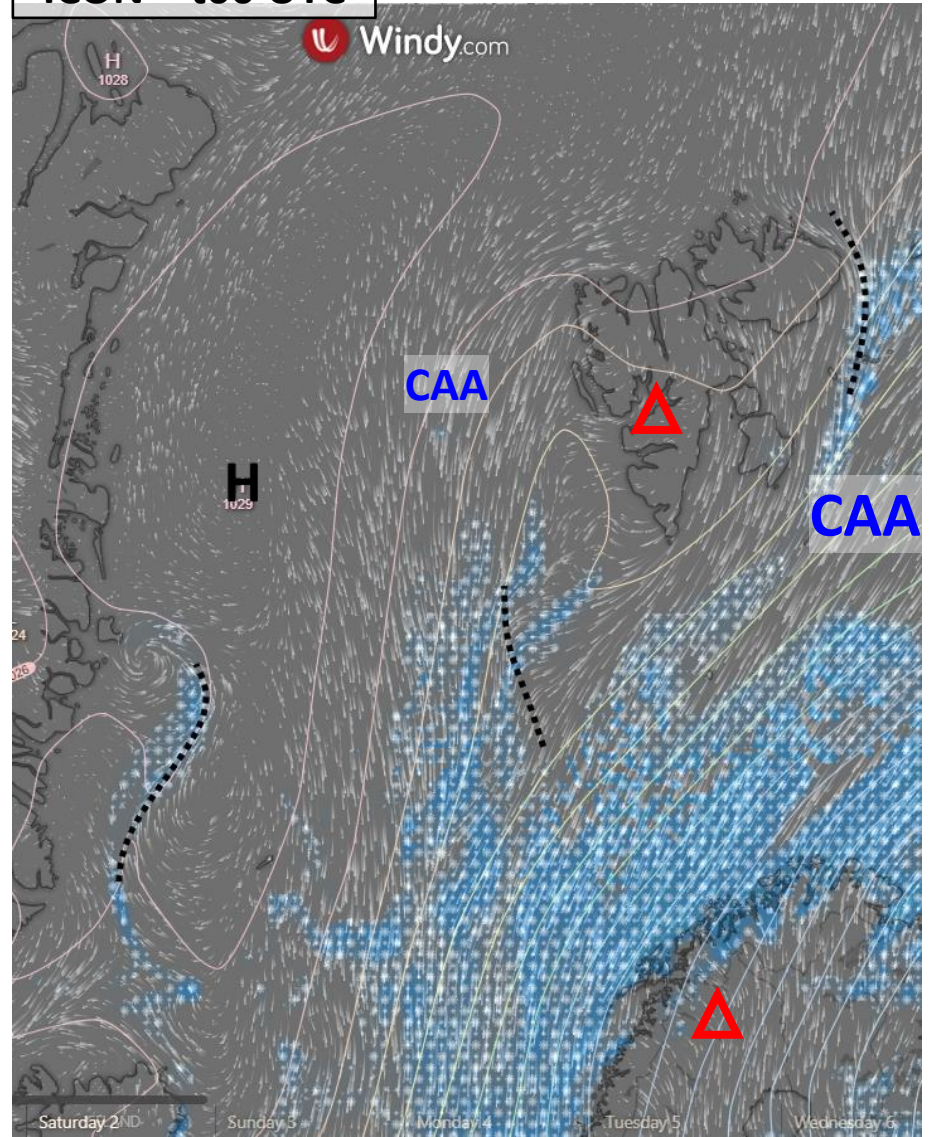


Wednesday, 2022-03-30 15 UTC

ICON – y00 UTC

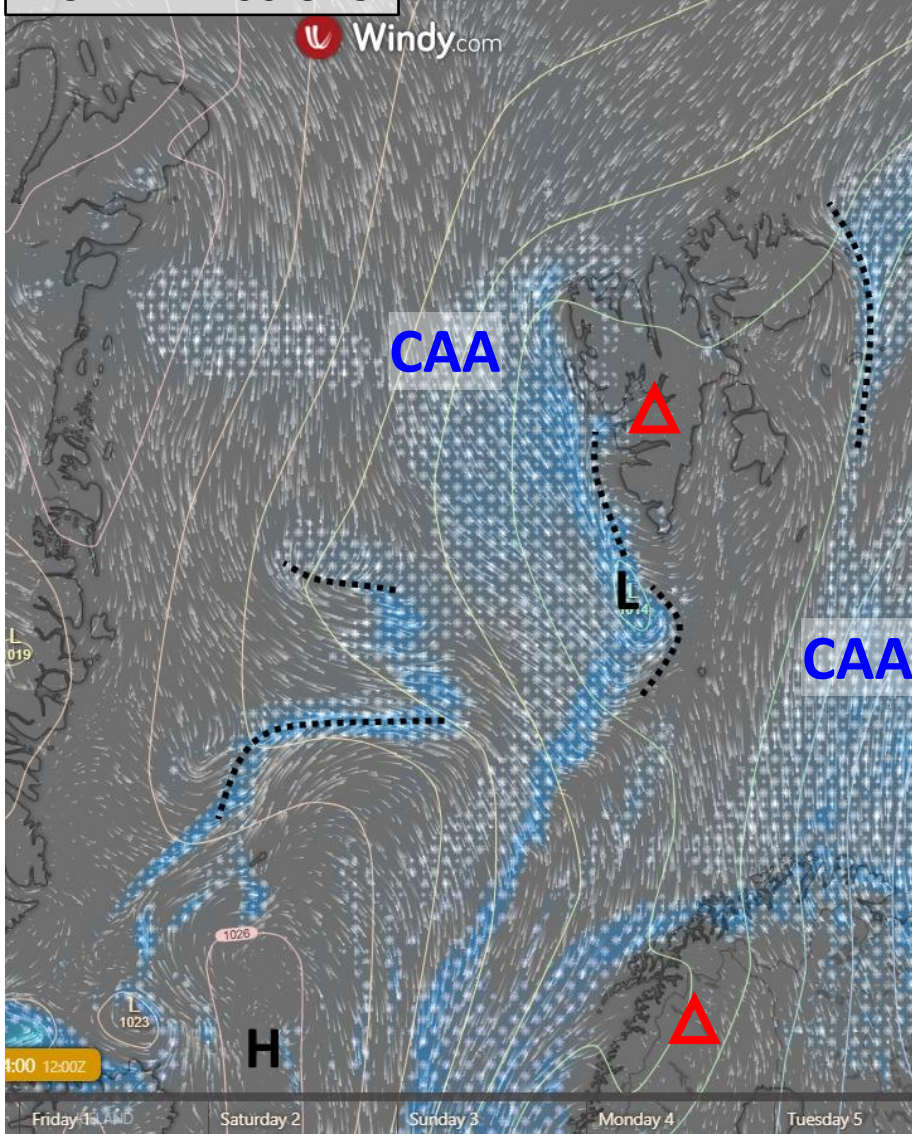


ICON – t00 UTC

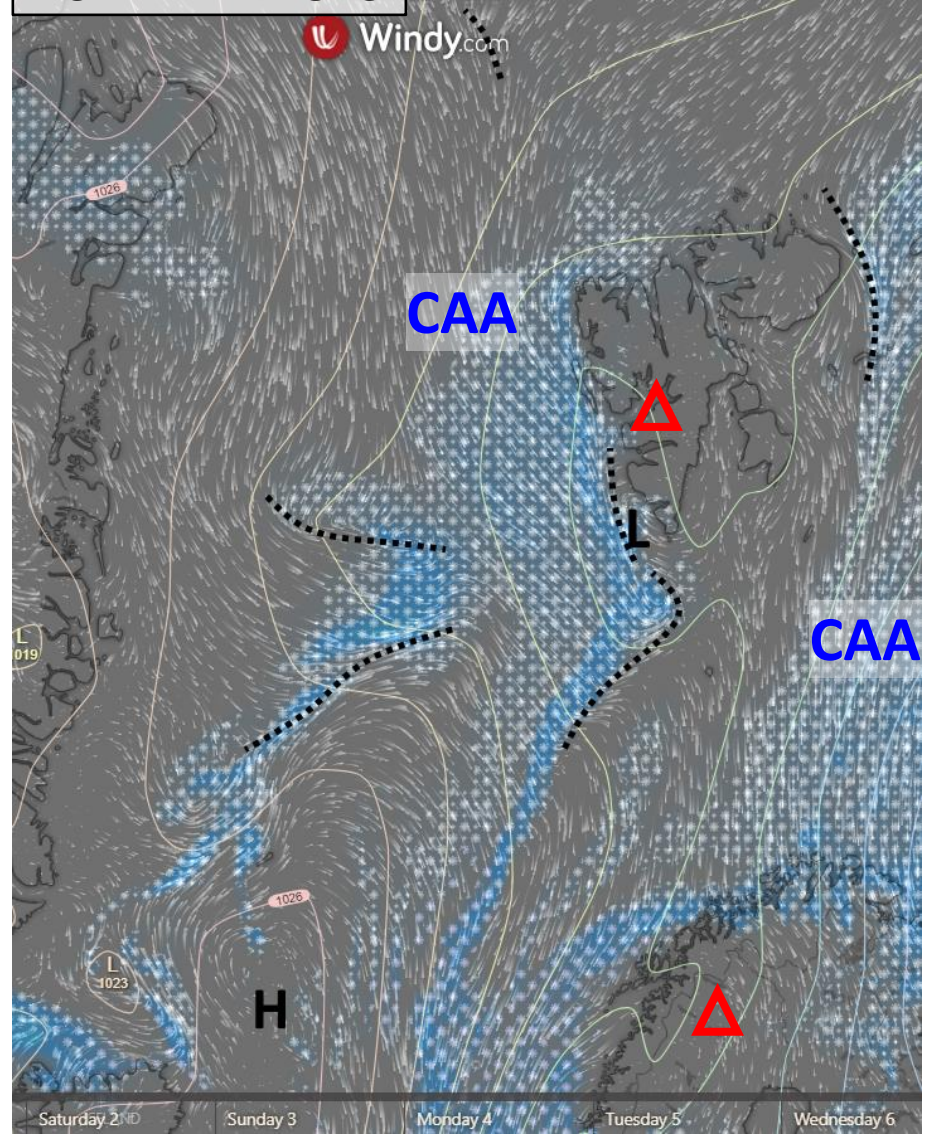


Thursday, 2022-03-31 12 UTC

ECMWF – 00 UTC

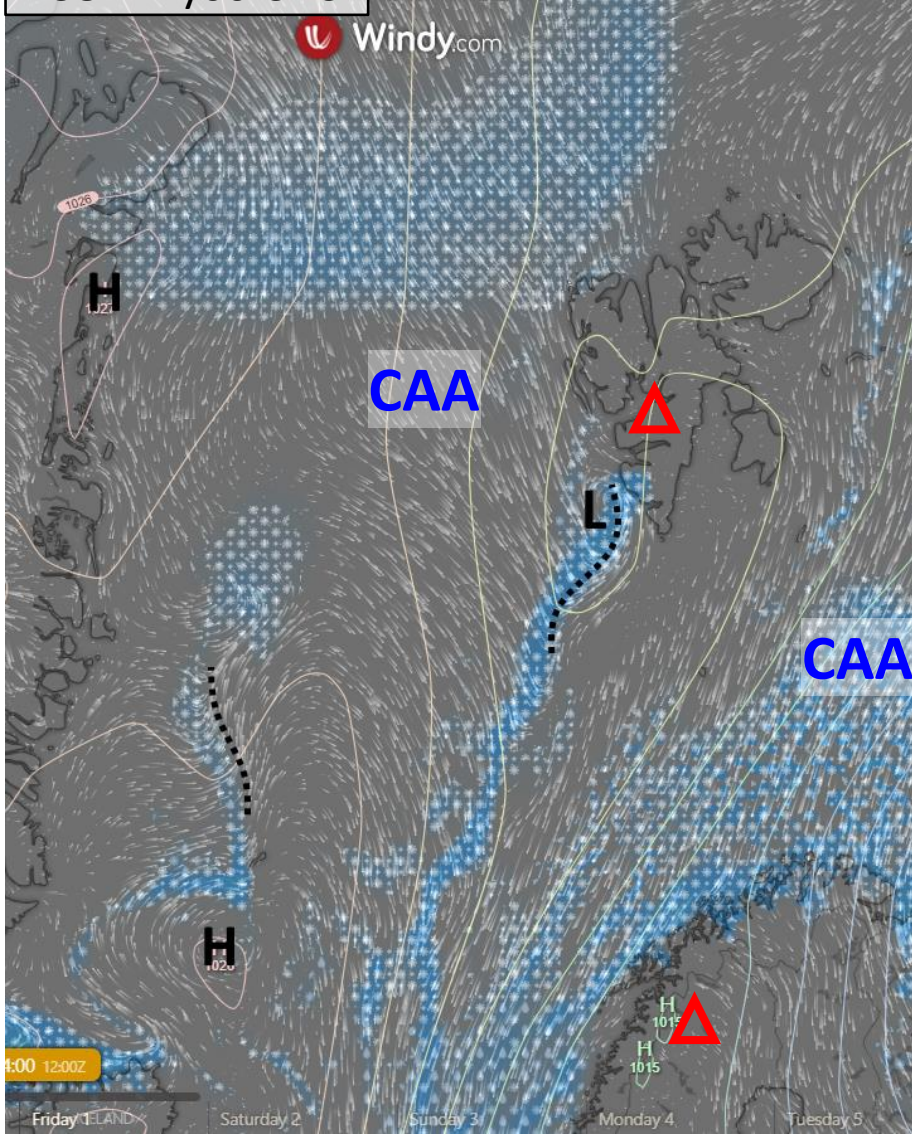


ECMWF – 12 UTC

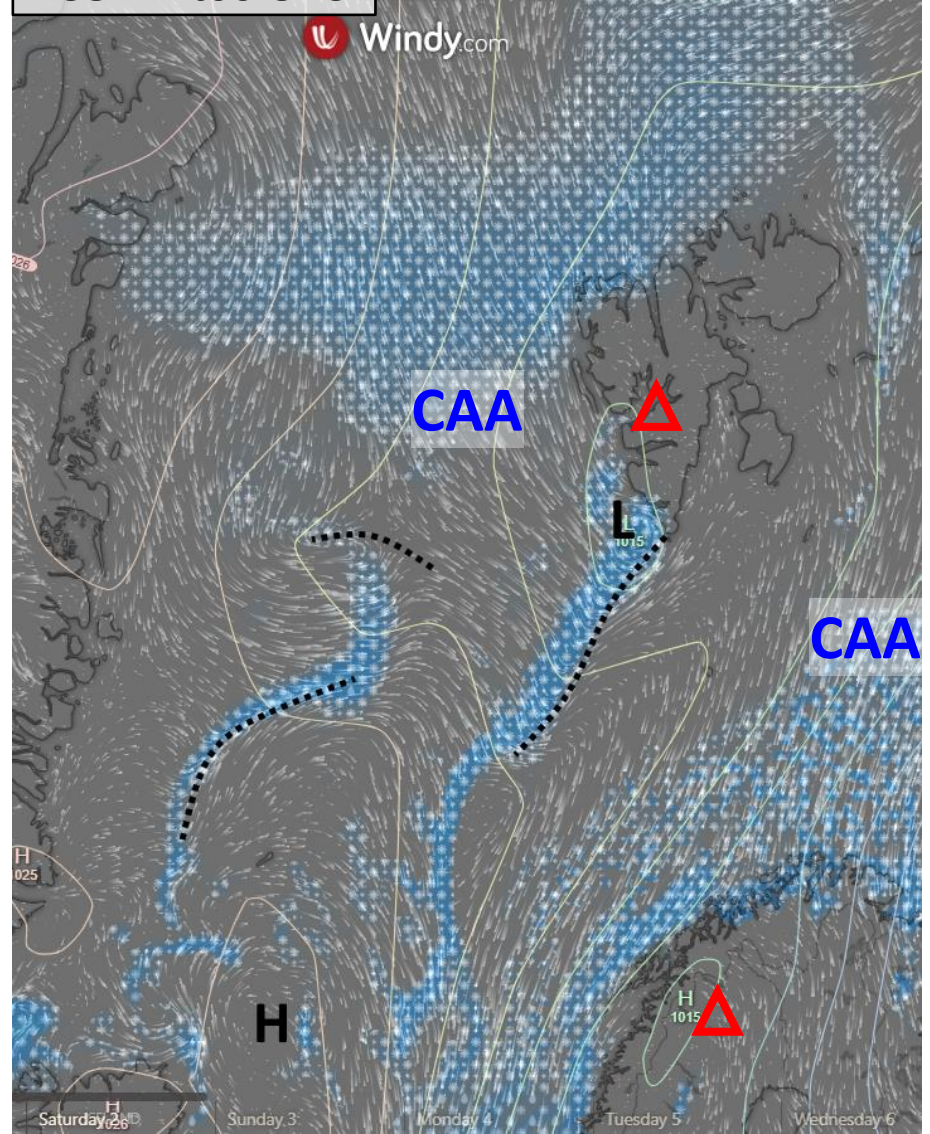


Thursday, 2022-03-31 12 UTC

ICON – y00 UTC

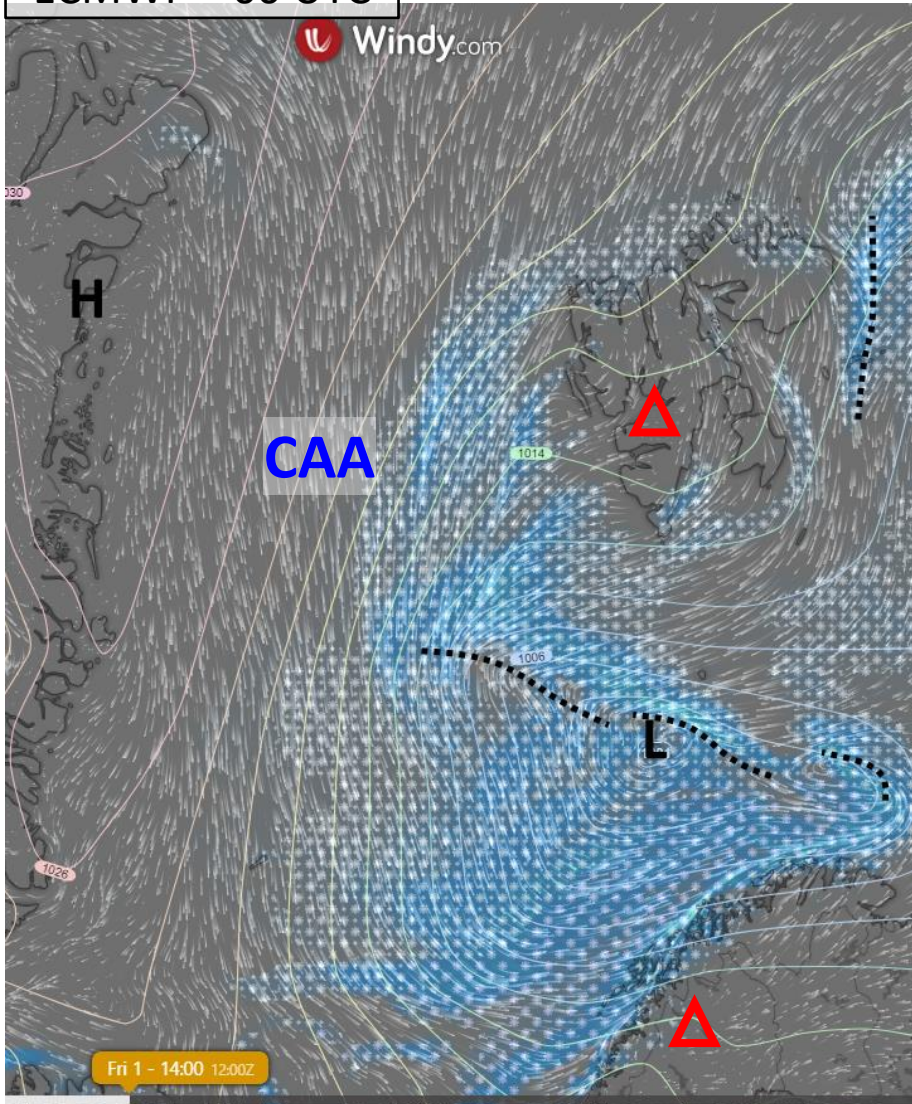


ICON – t00 UTC

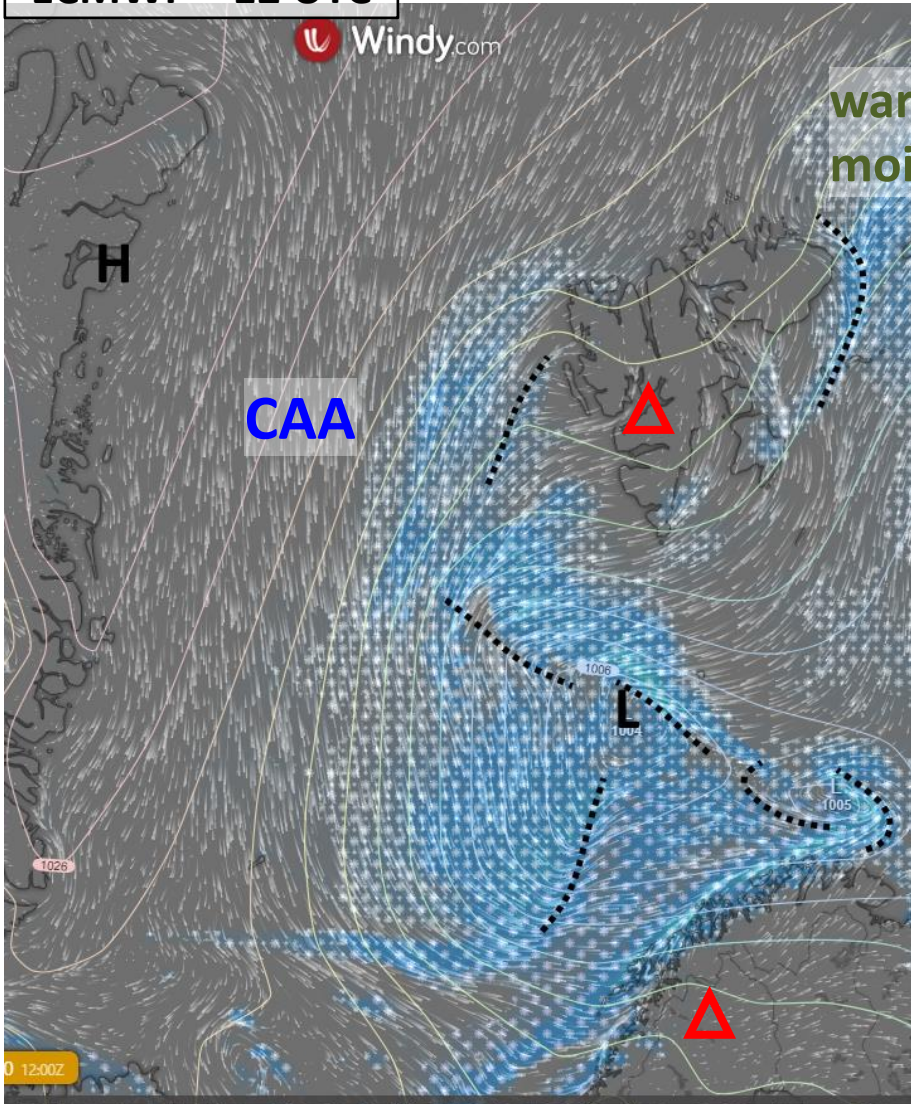


Friday, 2022-04-01 12 UTC

ECMWF - 00 UTC

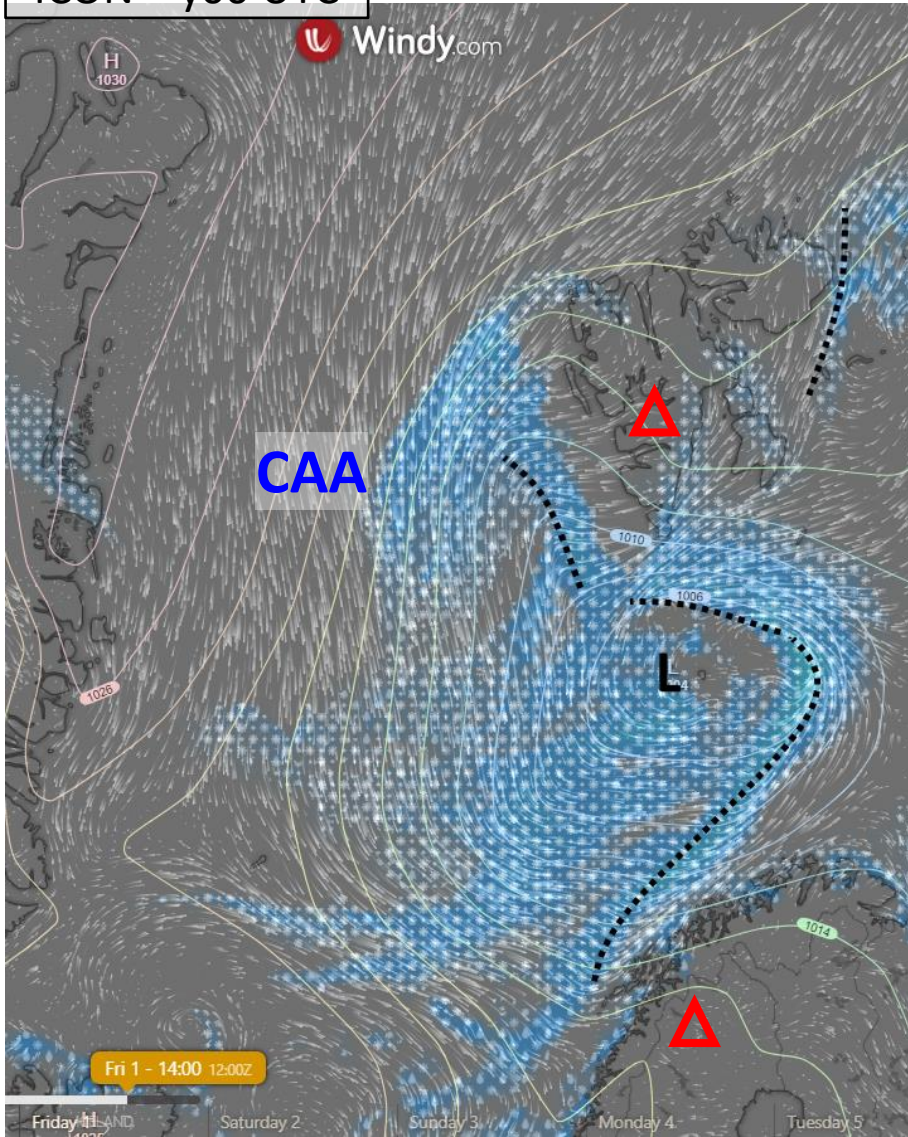


ECMWF - 12 UTC

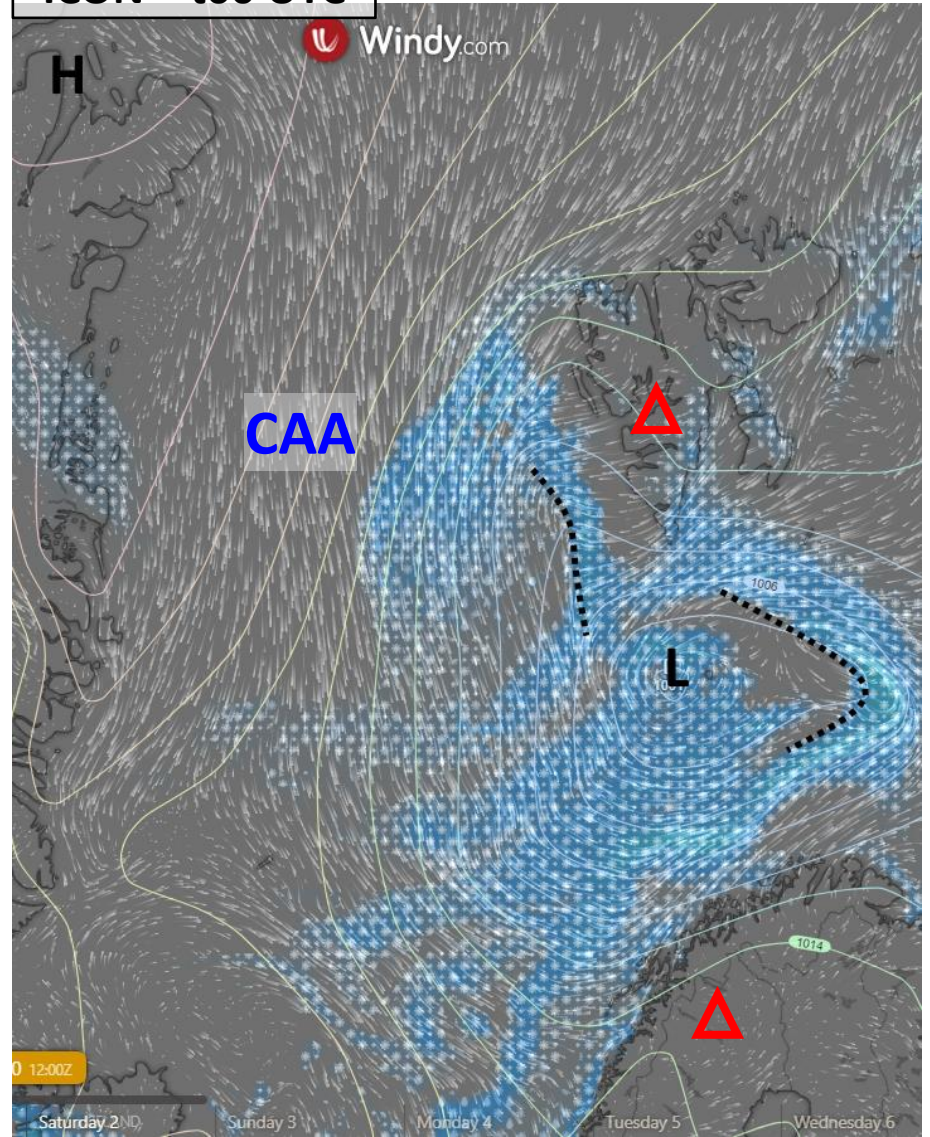


Friday, 2022-04-01 12 UTC

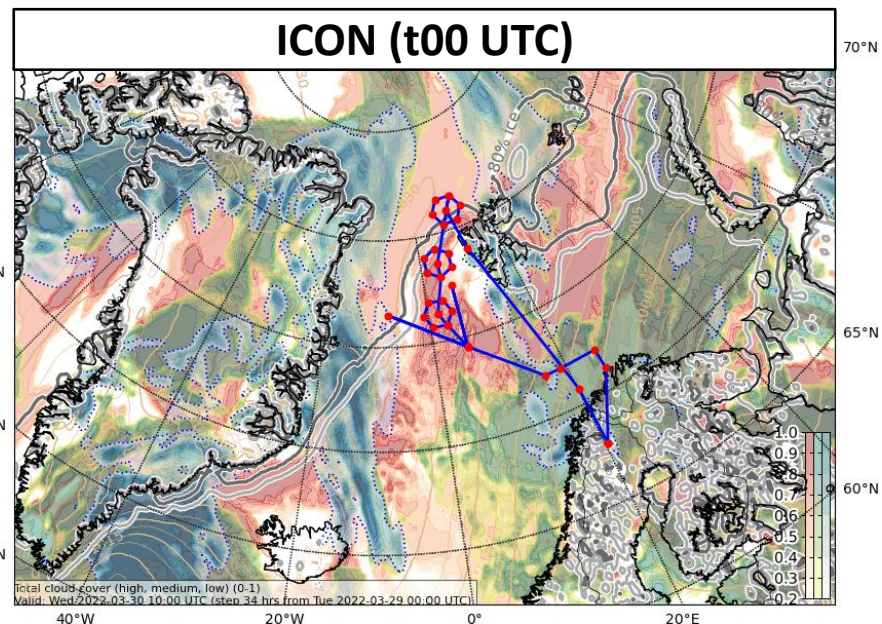
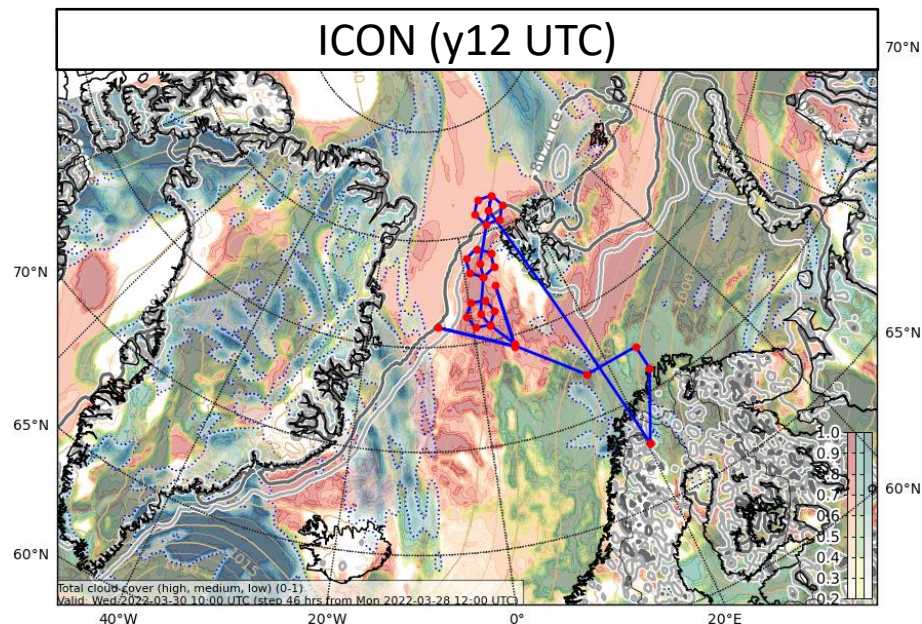
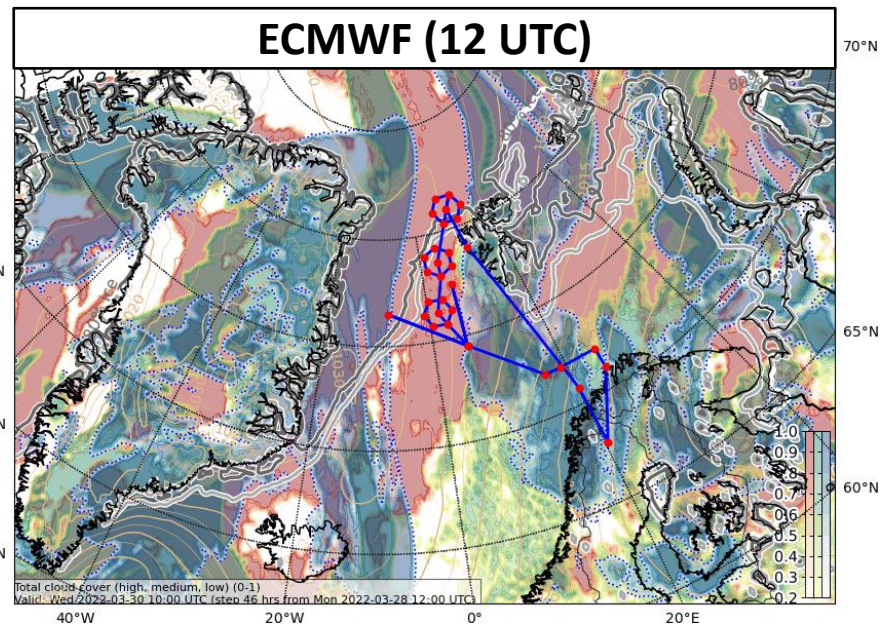
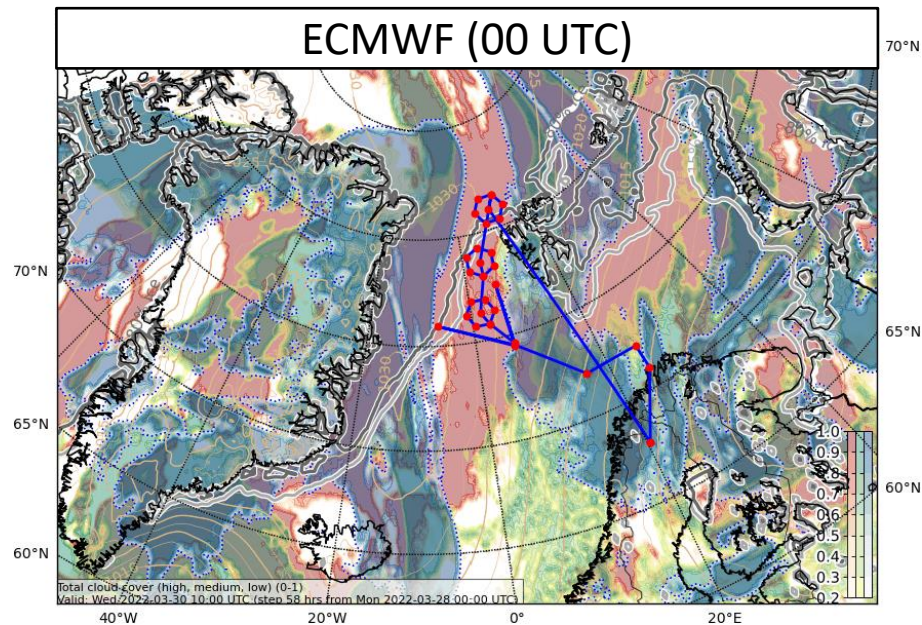
ICON – y00 UTC



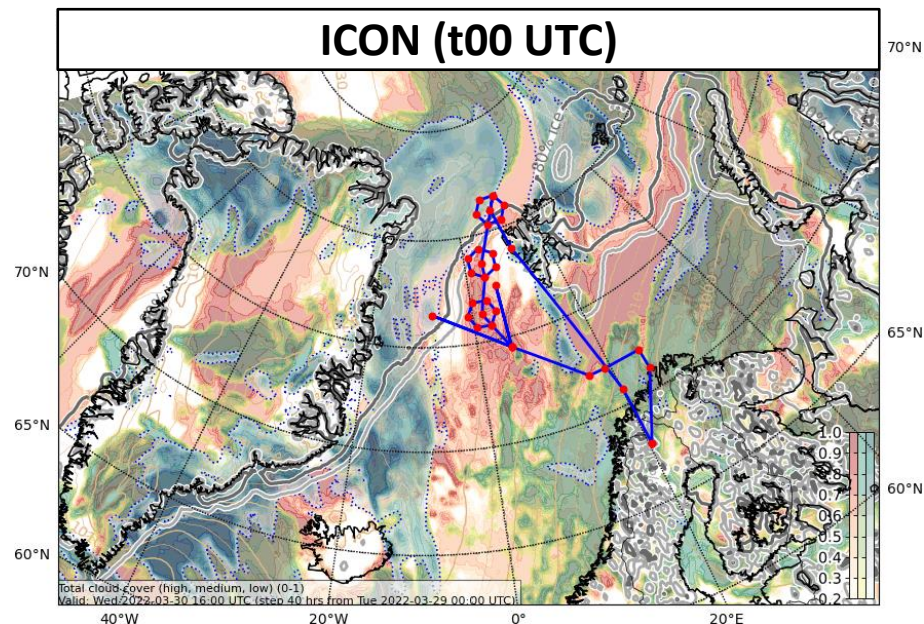
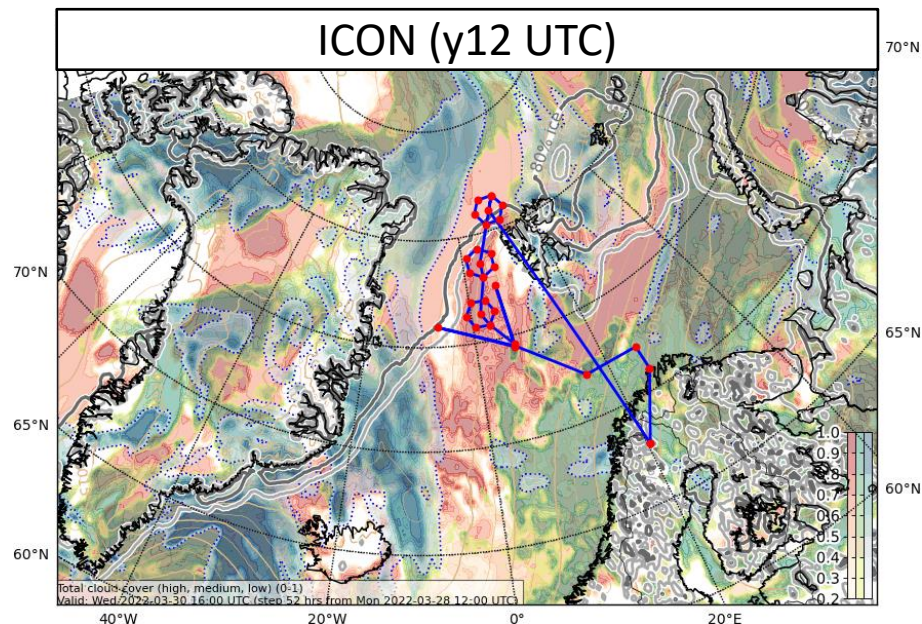
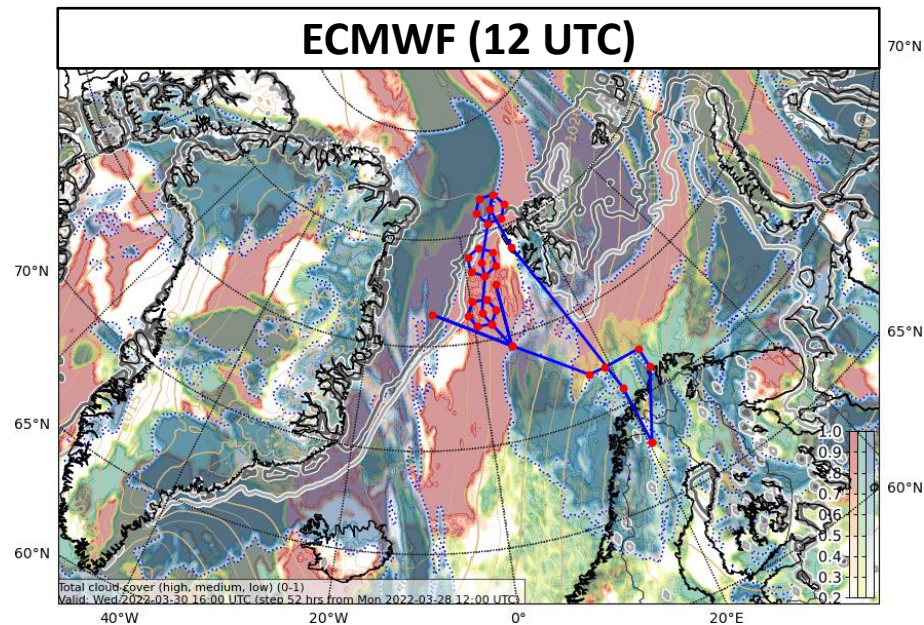
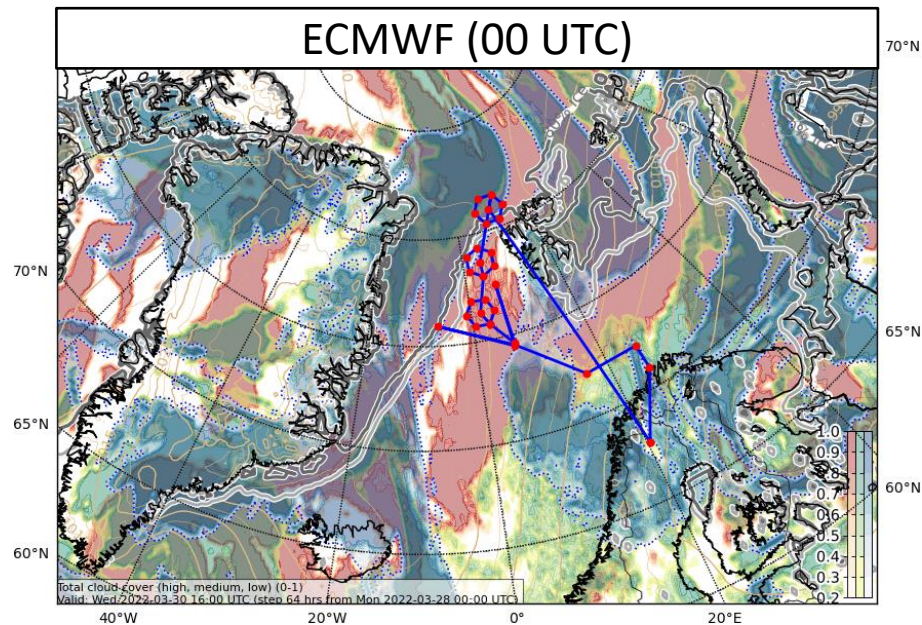
ICON – t00 UTC



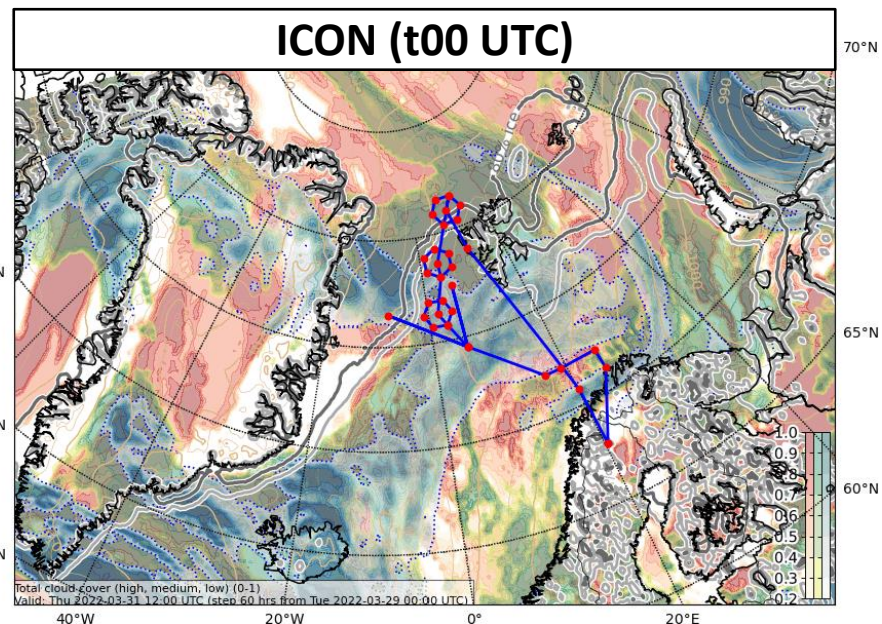
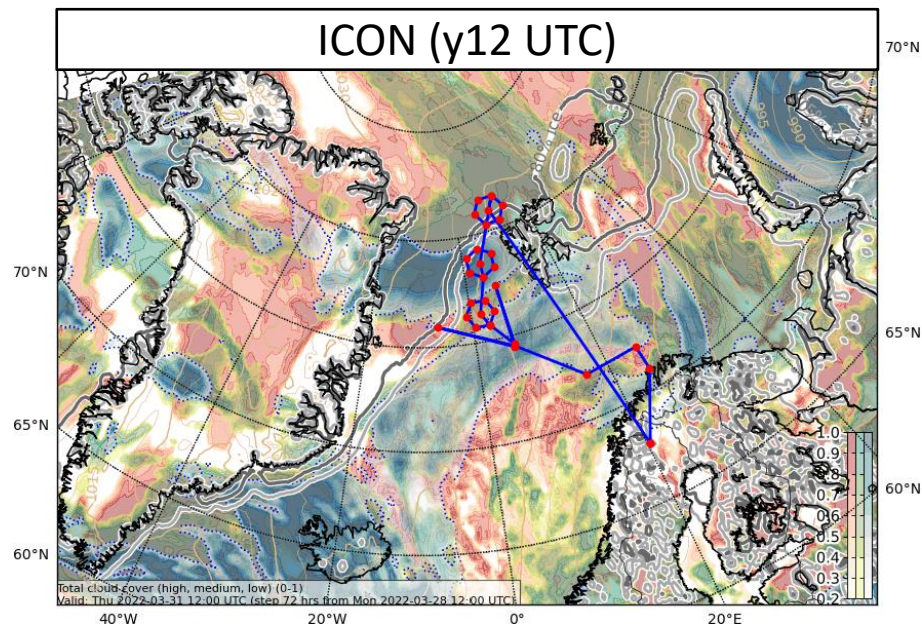
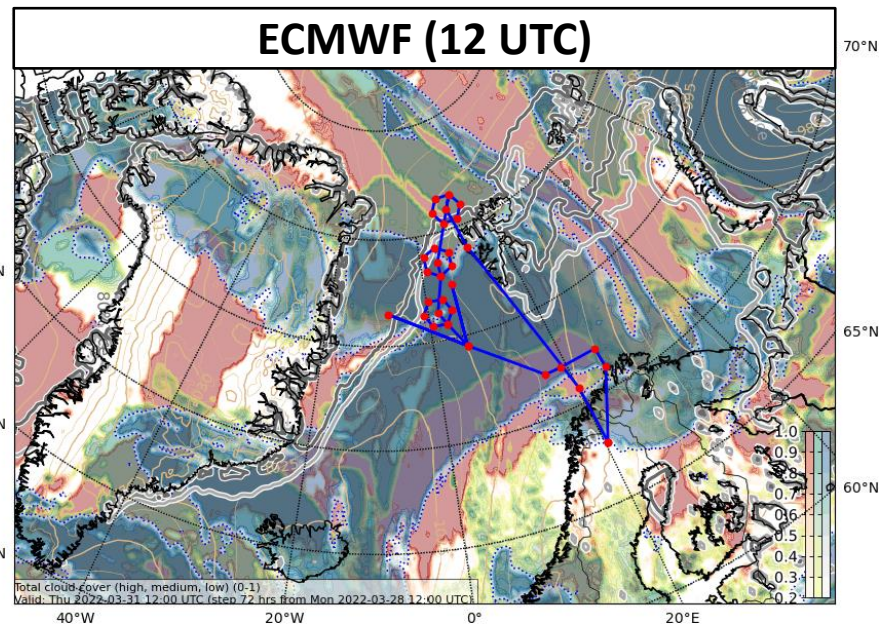
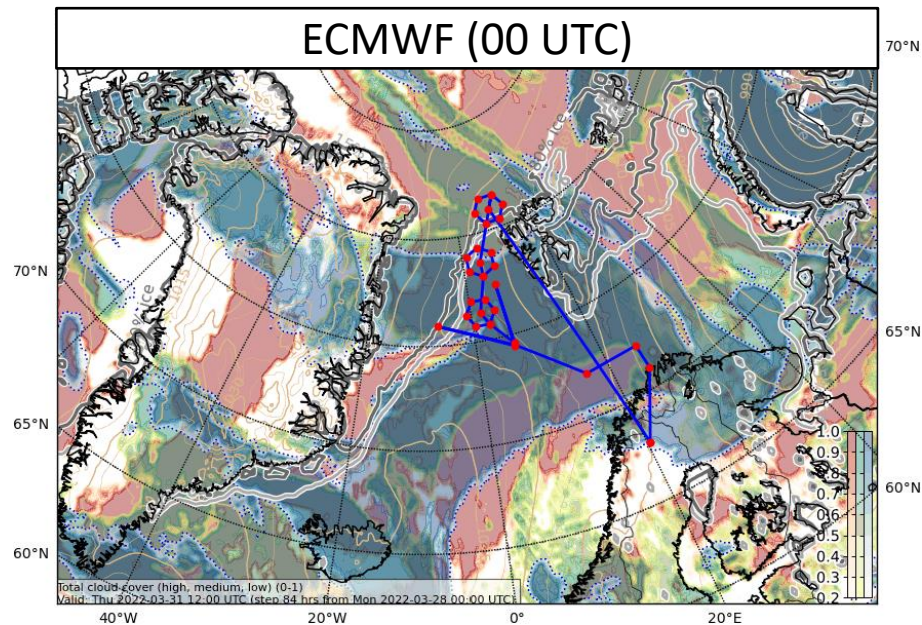
Wed, 2022-03-30 10 UTC, Total cloud cover



Wed, 2022-03-30 16 UTC, Total cloud cover



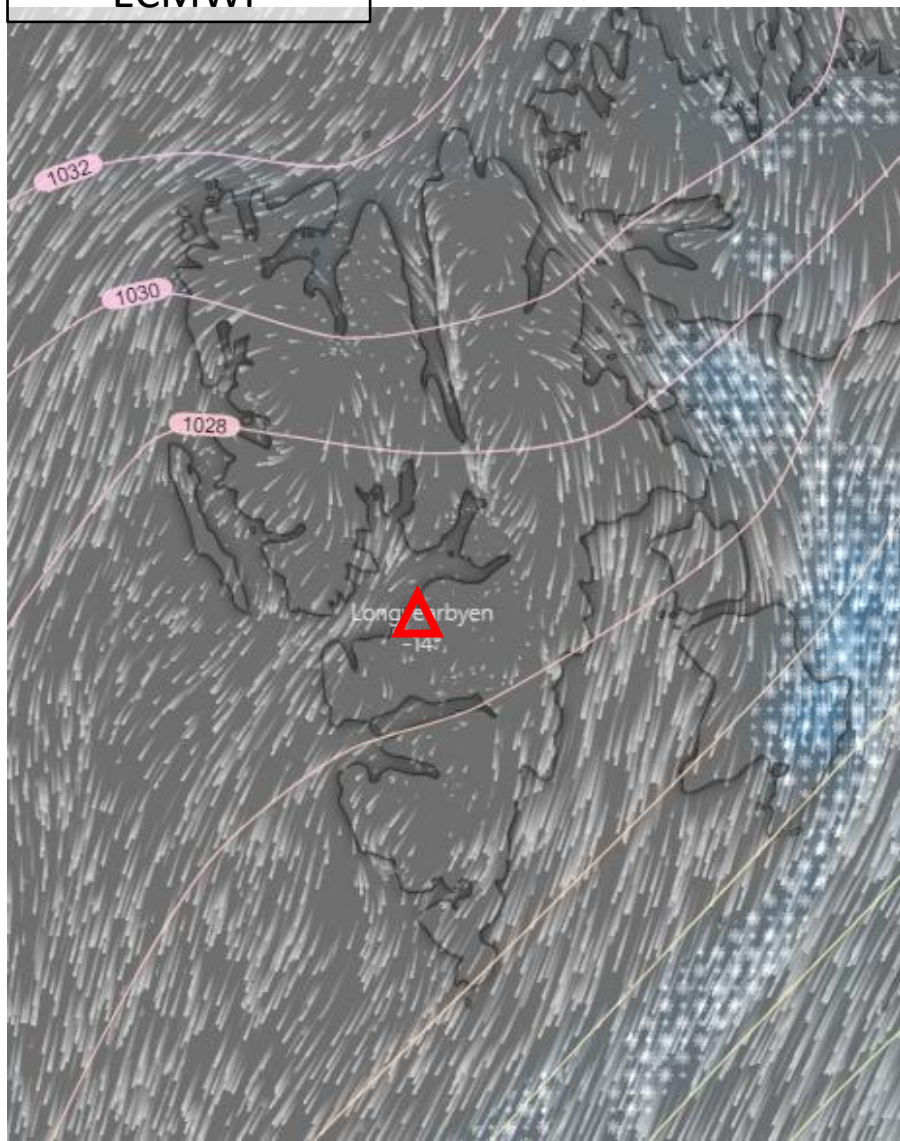
Thu, 2022-03-31 12 UTC, Total cloud cover



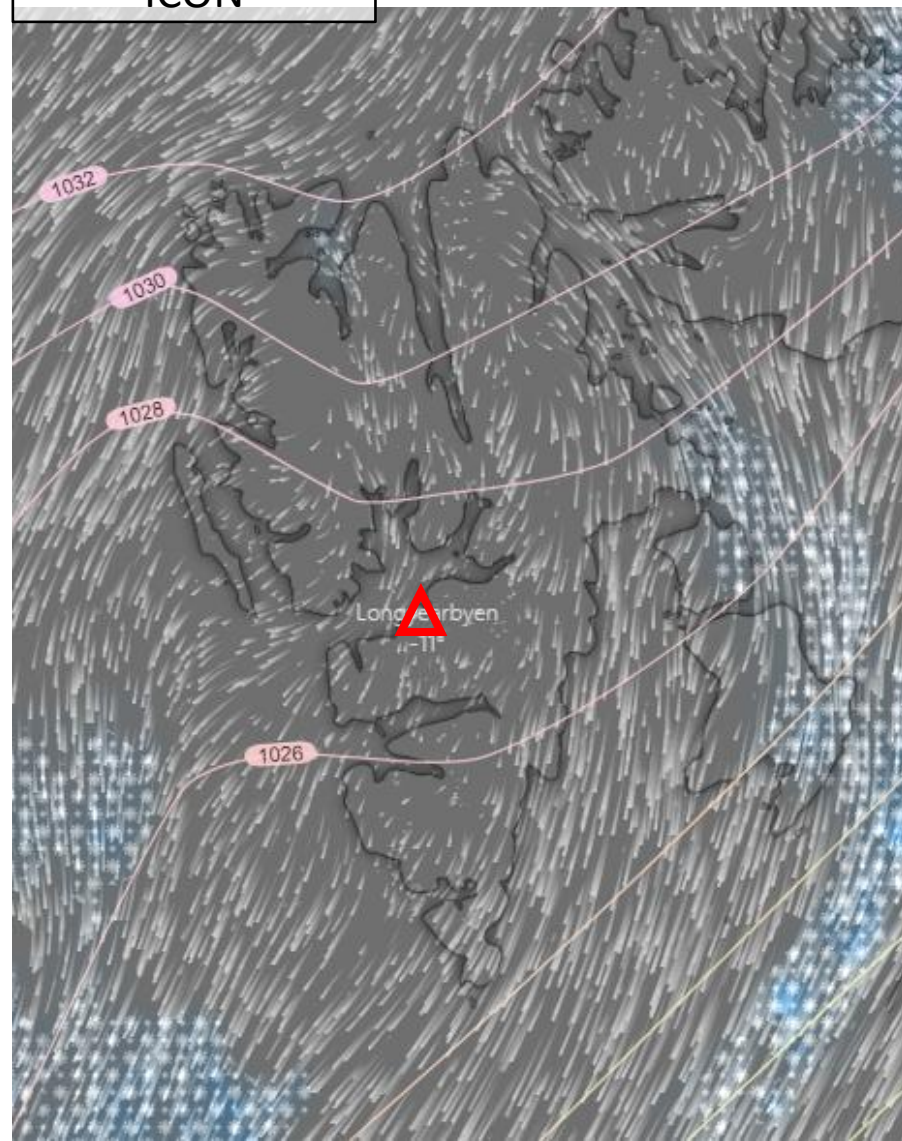
Airport meteograms & local weather at Svalbard

Tue, 2022-03-29 12 UTC: Precipitation

ECMWF

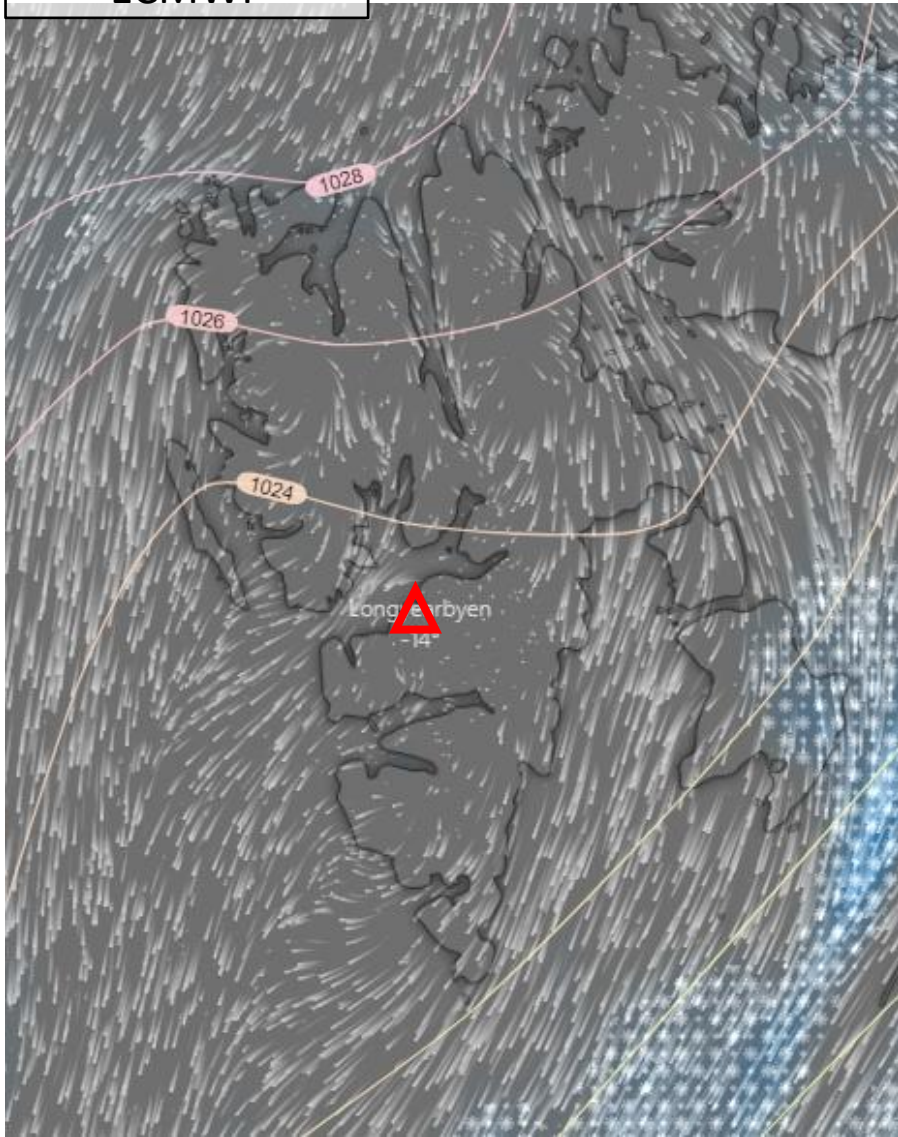


ICON

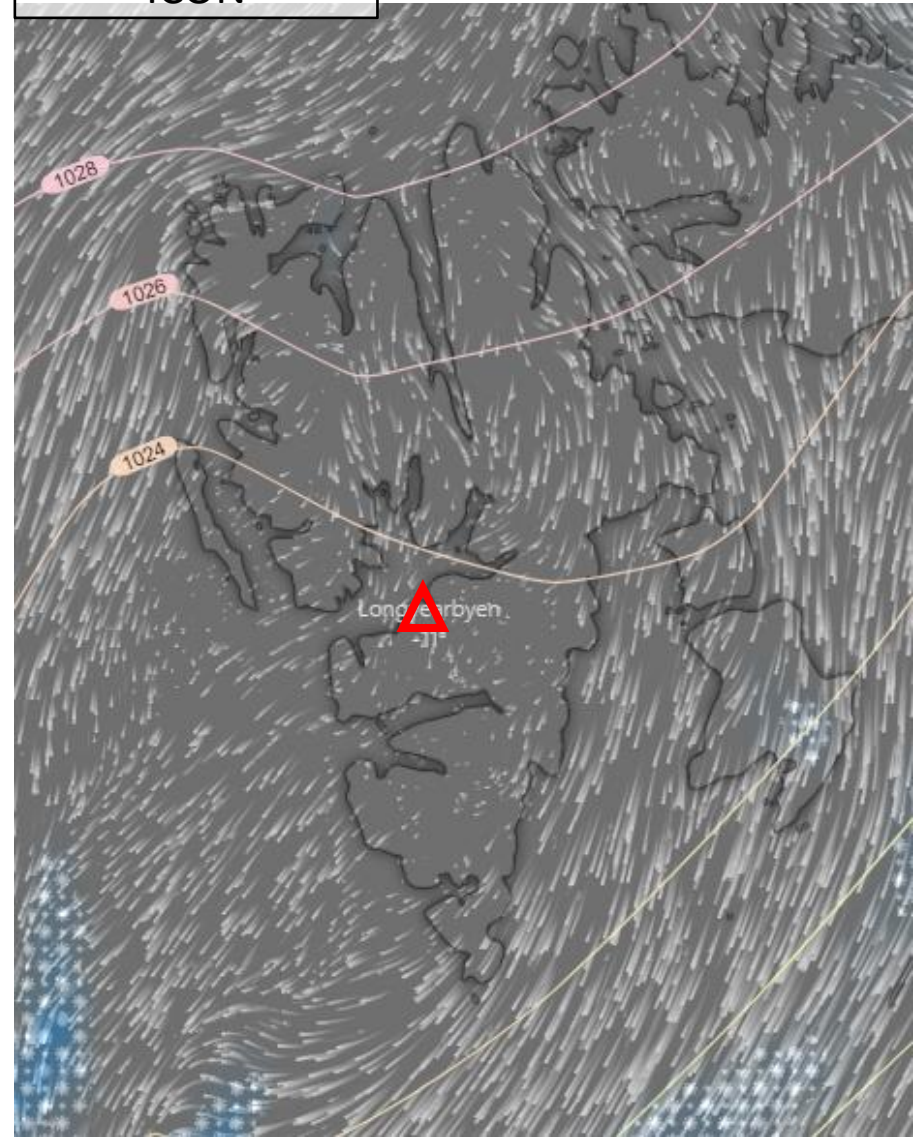


Wed, 2022-03-30 09 UTC: Precipitation

ECMWF

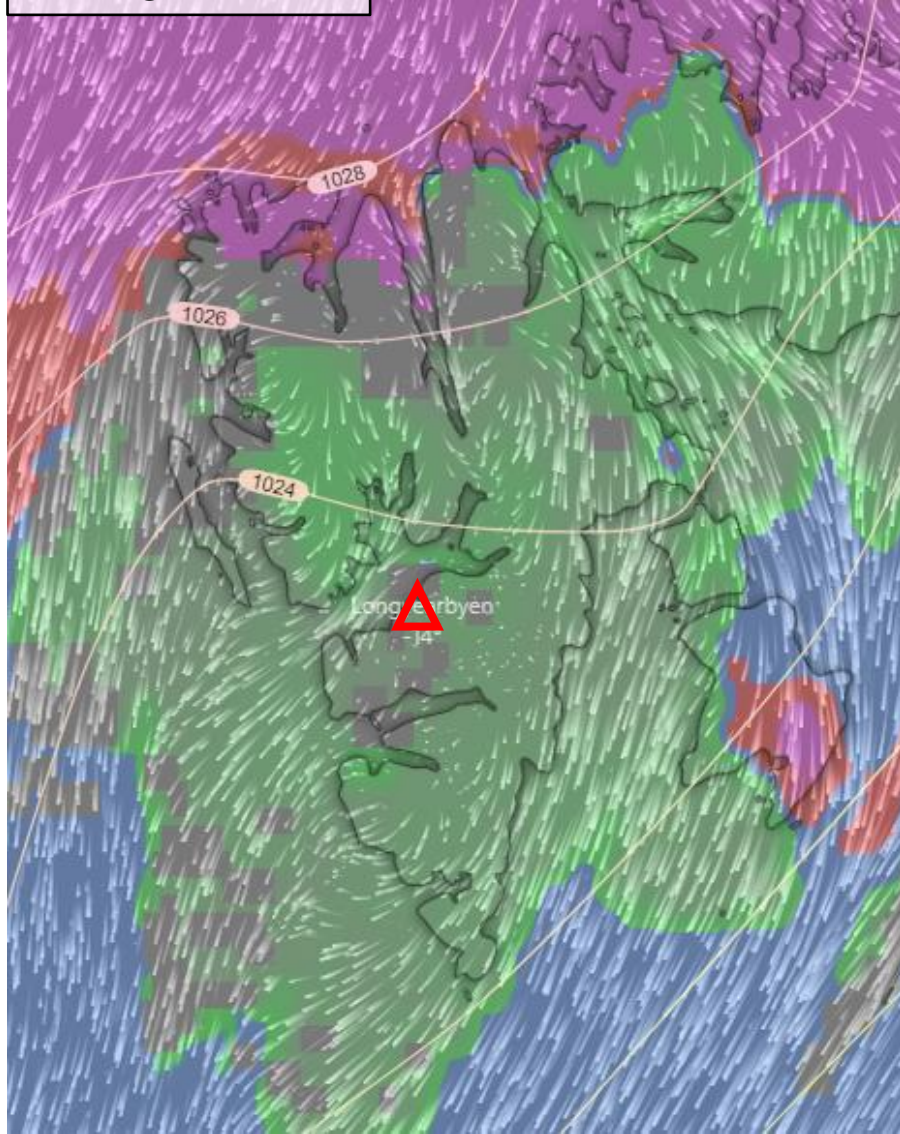


ICON

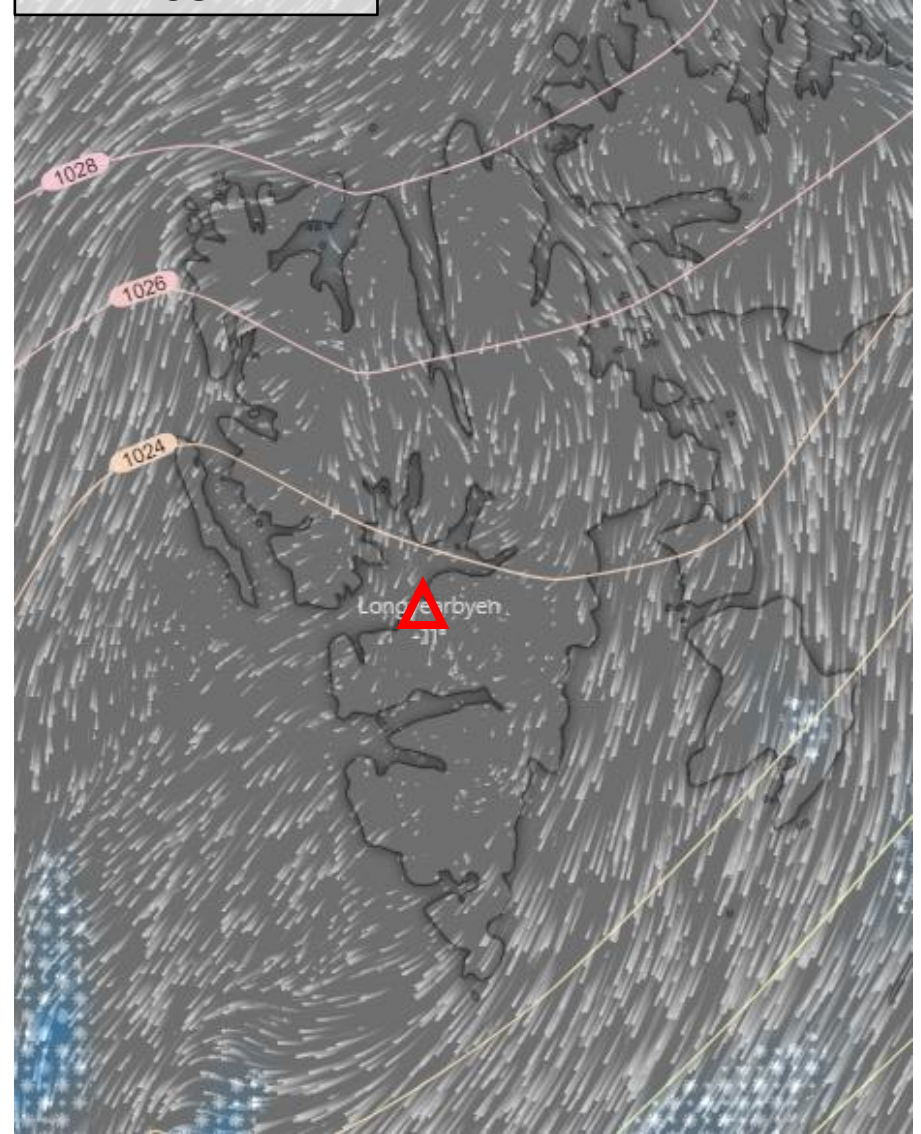


Wed, 2022-03-30 09 UTC: ECMWF Cloud base & ICON precipitation

ECMWF

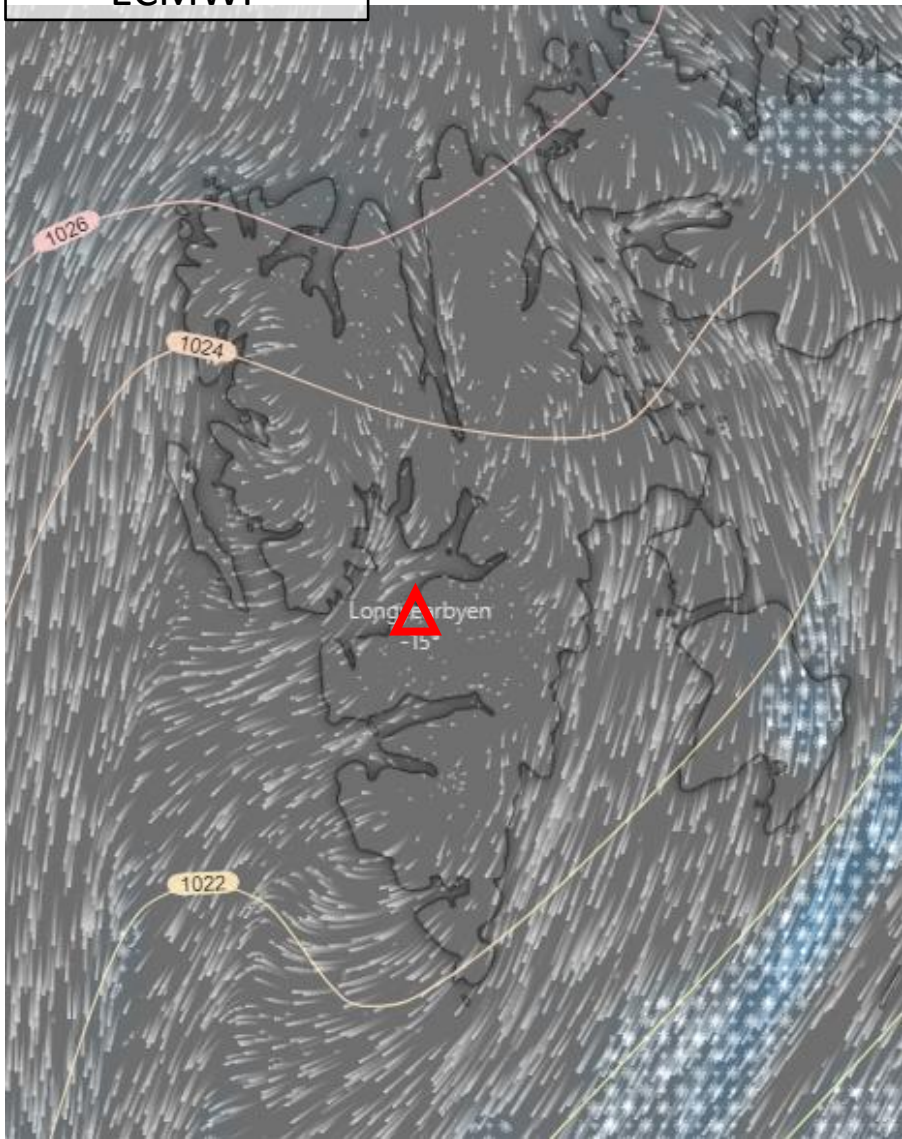


ICON

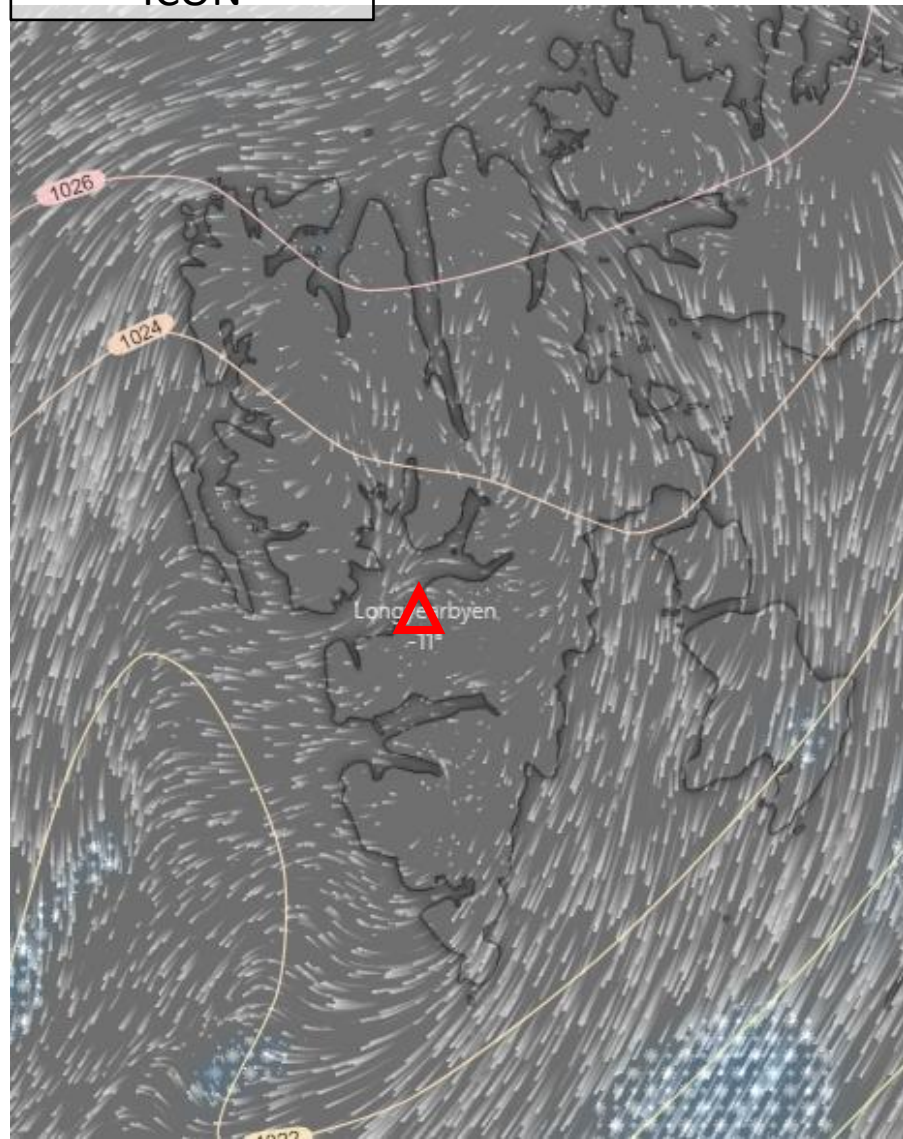


Wed, 2022-03-30 15 UTC: Precipitation

ECMWF

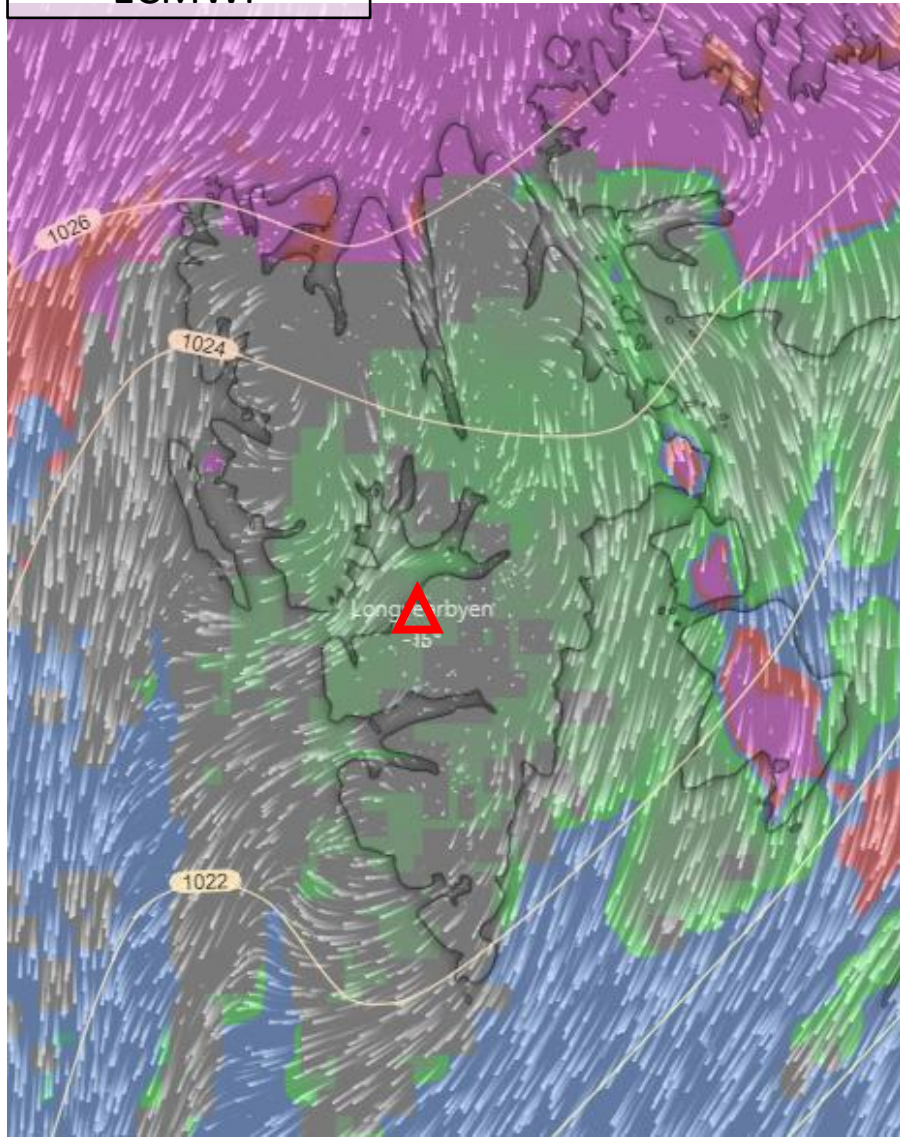


ICON

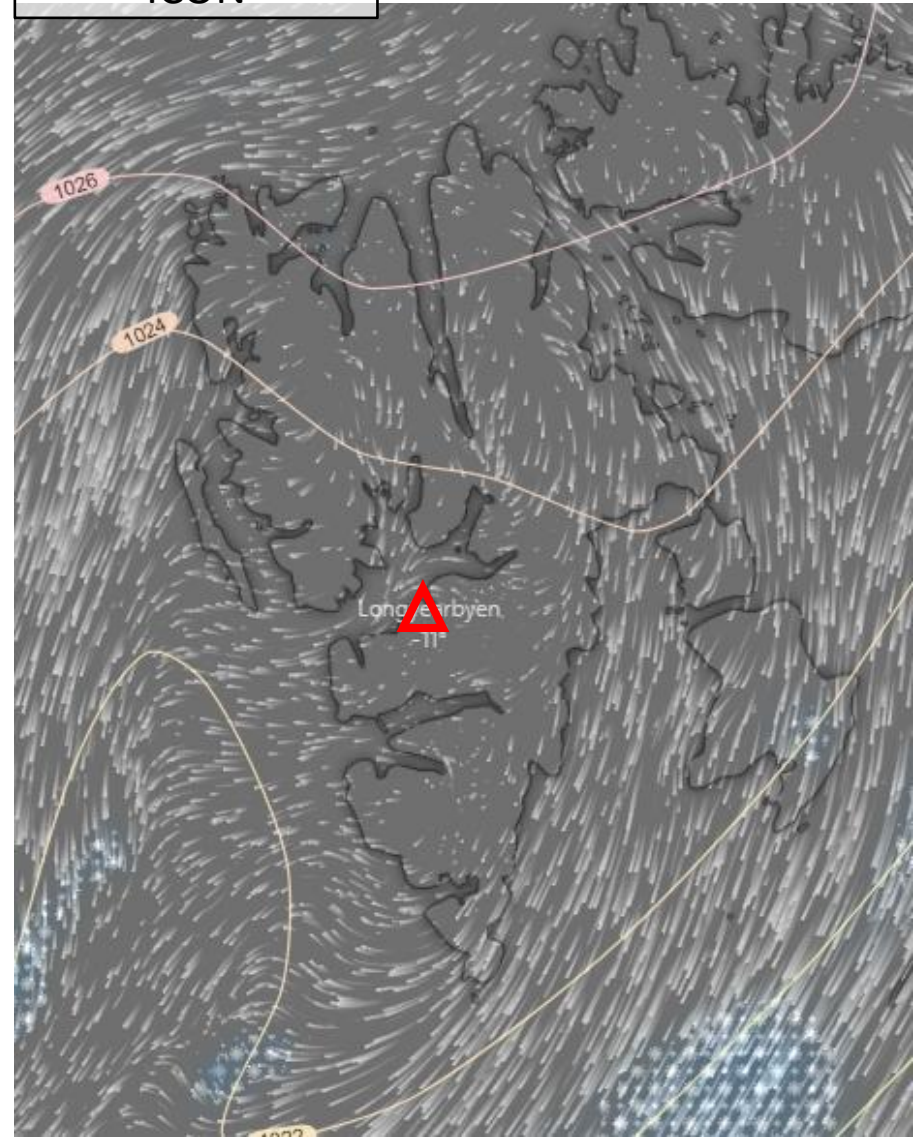


Wed, 2022-03-30 15 UTC: ECMWF Cloud base & ICON precipitation

ECMWF

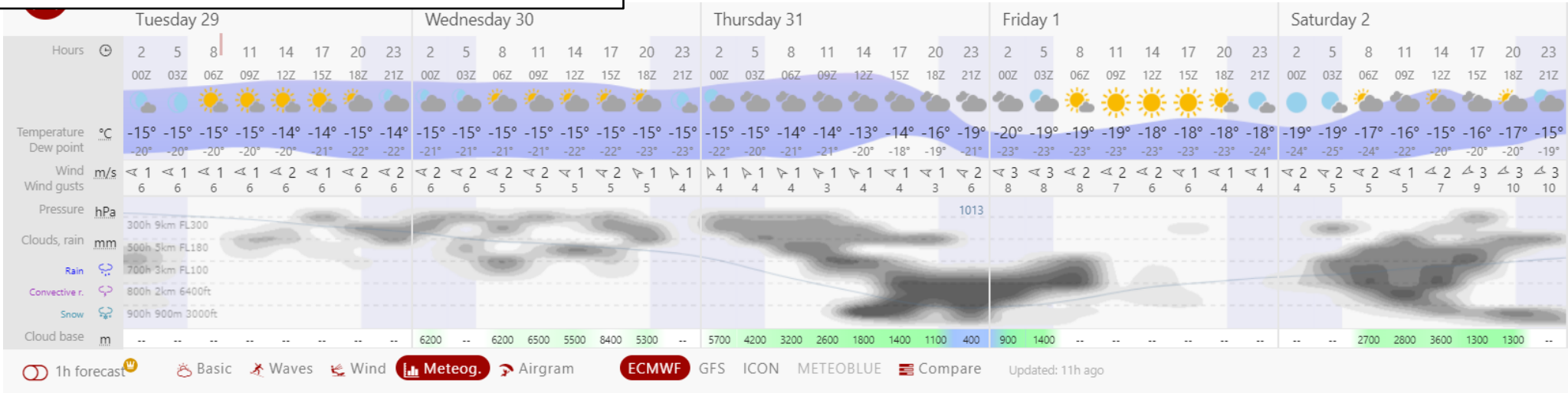


ICON

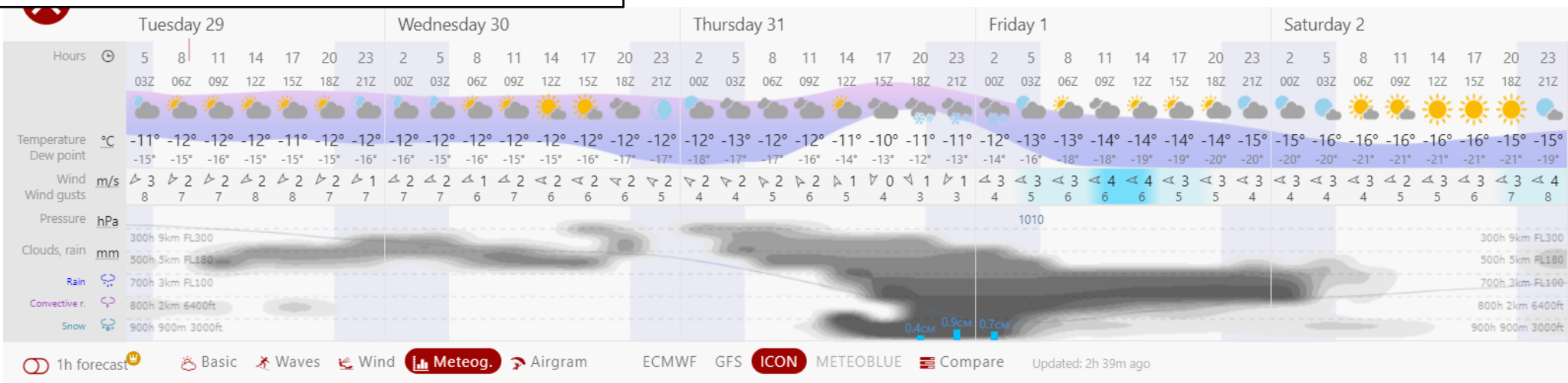


Longyearbyen:

ECWMF



ICON



Summary

Summary: Weather Update 2022-03-29, 09:00 LT

- **Wednesday, 2022-03-30:**
 - Weak winds and CAO in Fram Strait
 - Small meso-cyclone off coast of Greenland
 - Better flying conditions in ICON
 - Cloud base 1500 m in ECMWF
- **Thursday, 2022-03-31:**
 - ICON sees precipitation north of Svalbard
 - ICON now also sees secondary cyclone west of Svalbard
 - CAO fortifies due to Low at Svalbard
 - Departure and landing in LYR probably not possible
- **Friday, 2022-04-01:**
 - Arrival of warmer/moister air from Russia sooner in ECMWF
 - Inter-model uncertainty of Low position
 - Different clearing of clouds in both models