

# Weather briefing

## HALO-(AC)<sup>3</sup>

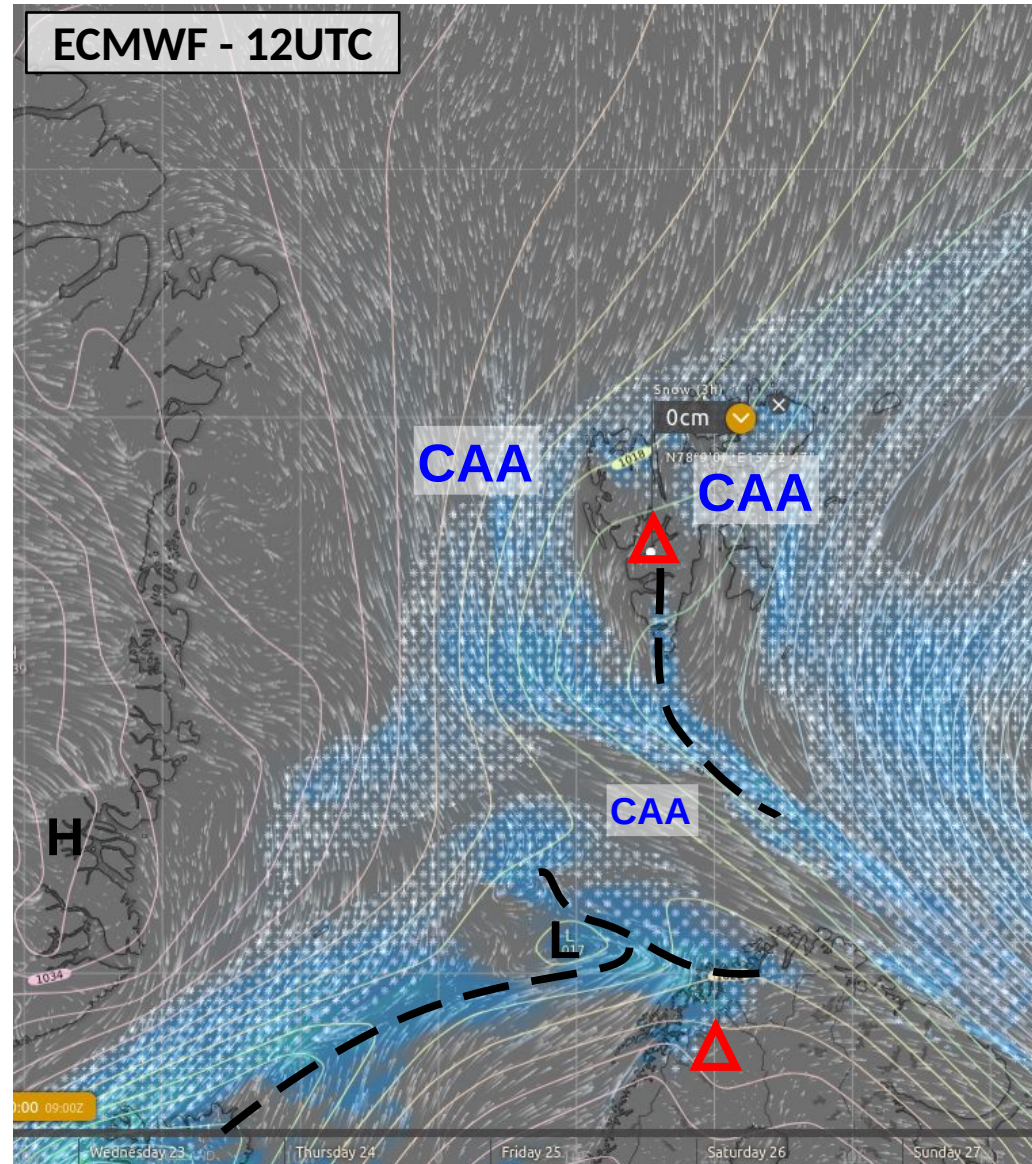
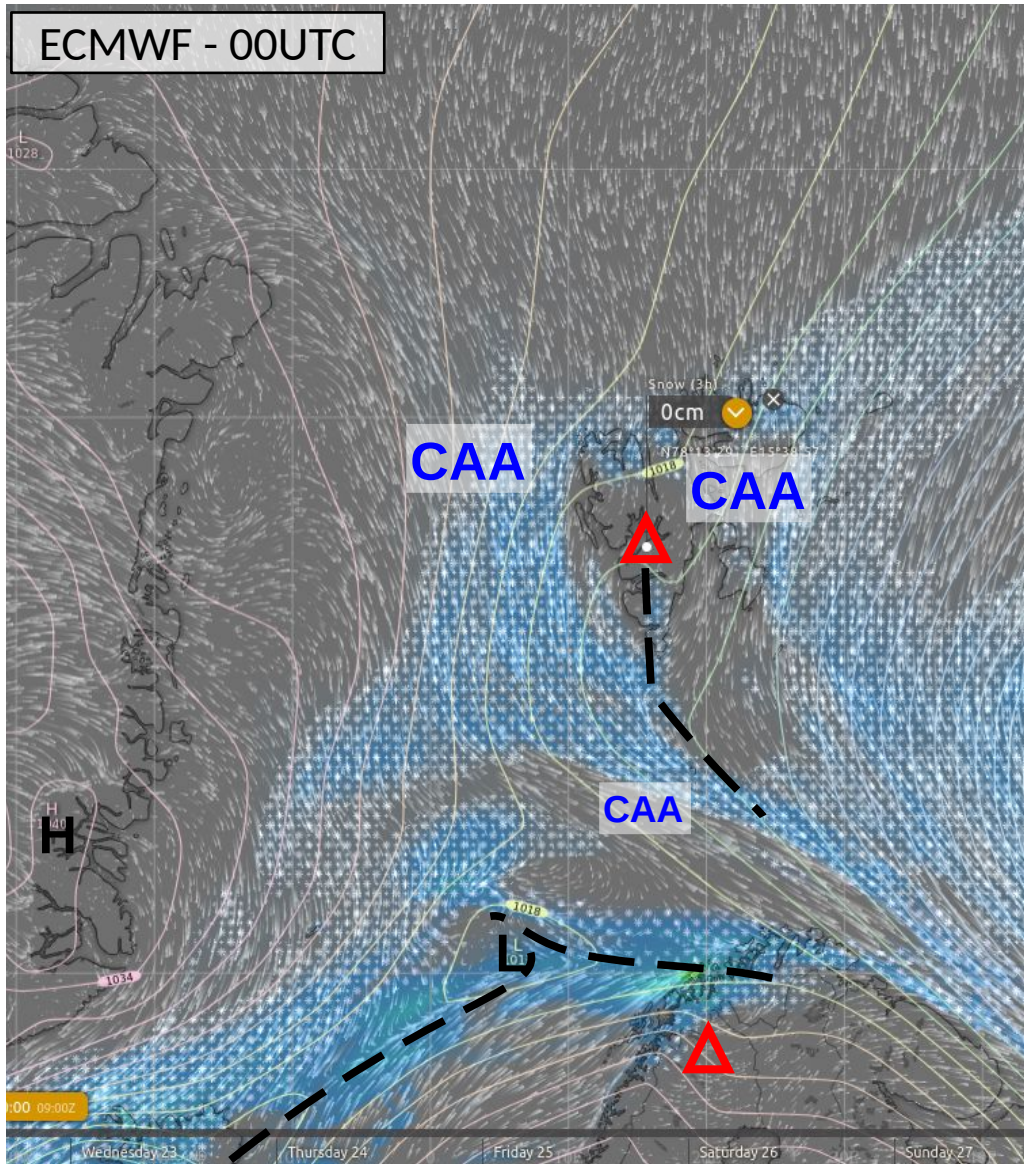
Monday, 2022-03-21, 09:00 LT

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

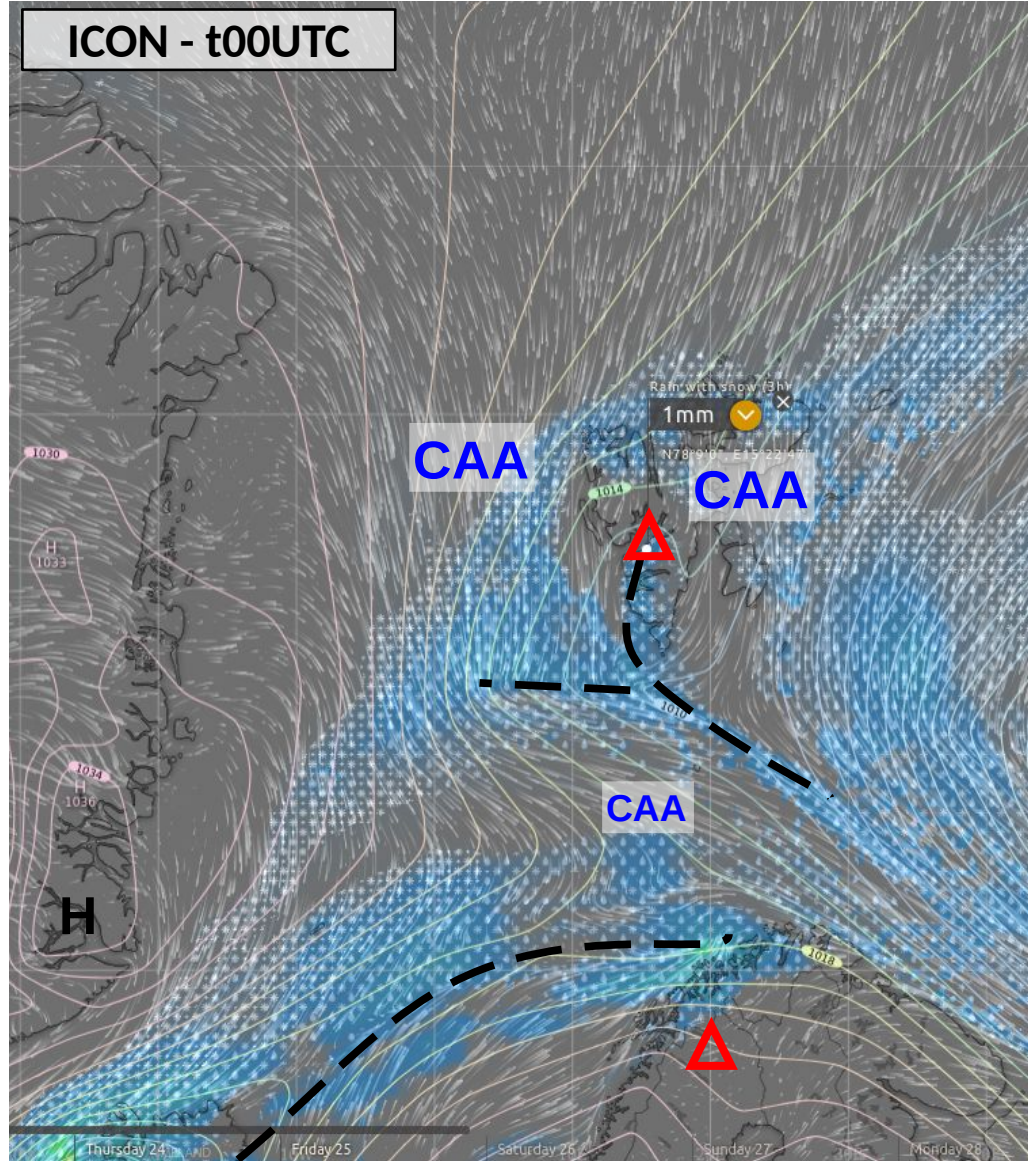
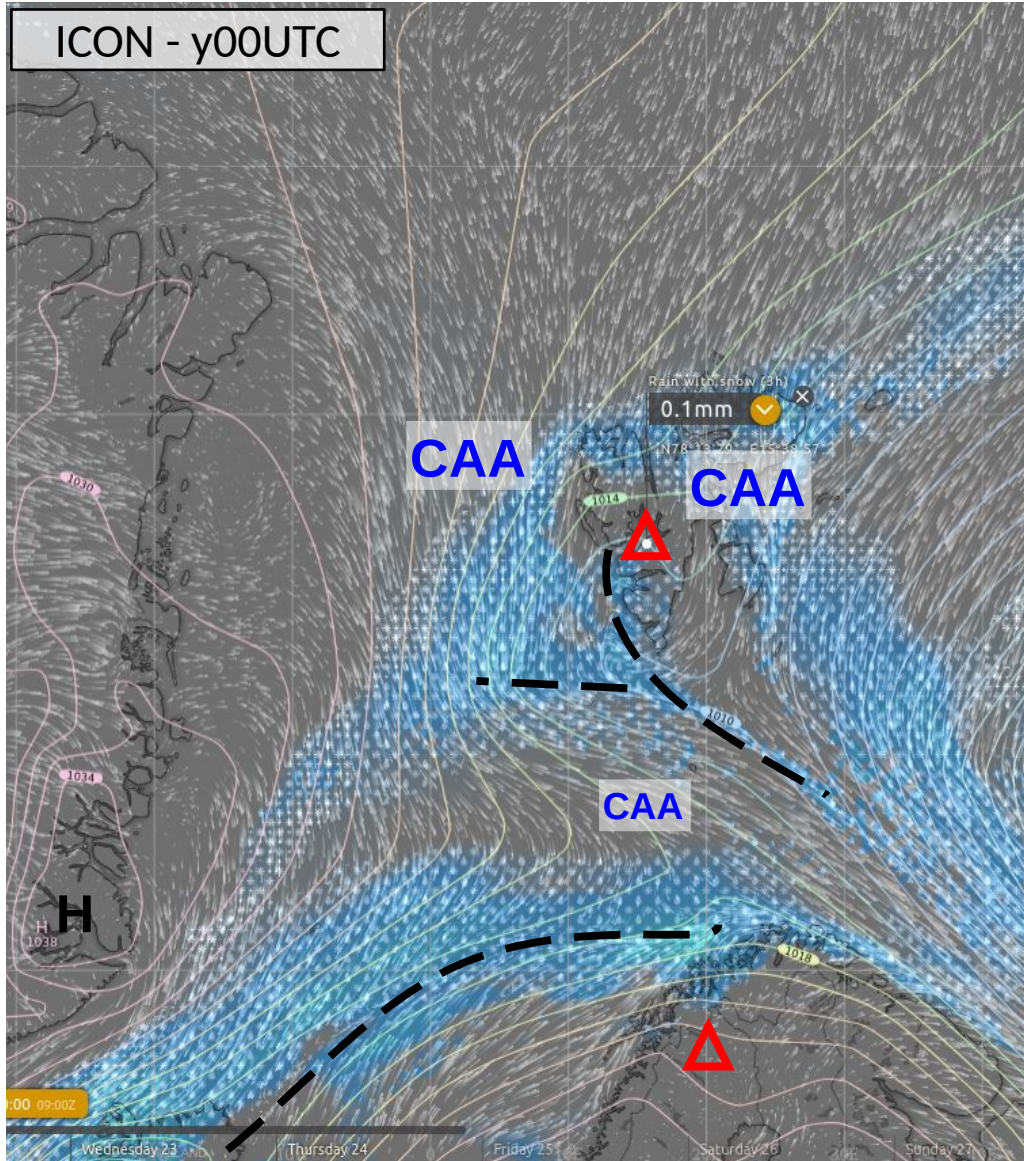
**CAA: Cold Air Advection**

**WAA: Warm Air Advection**

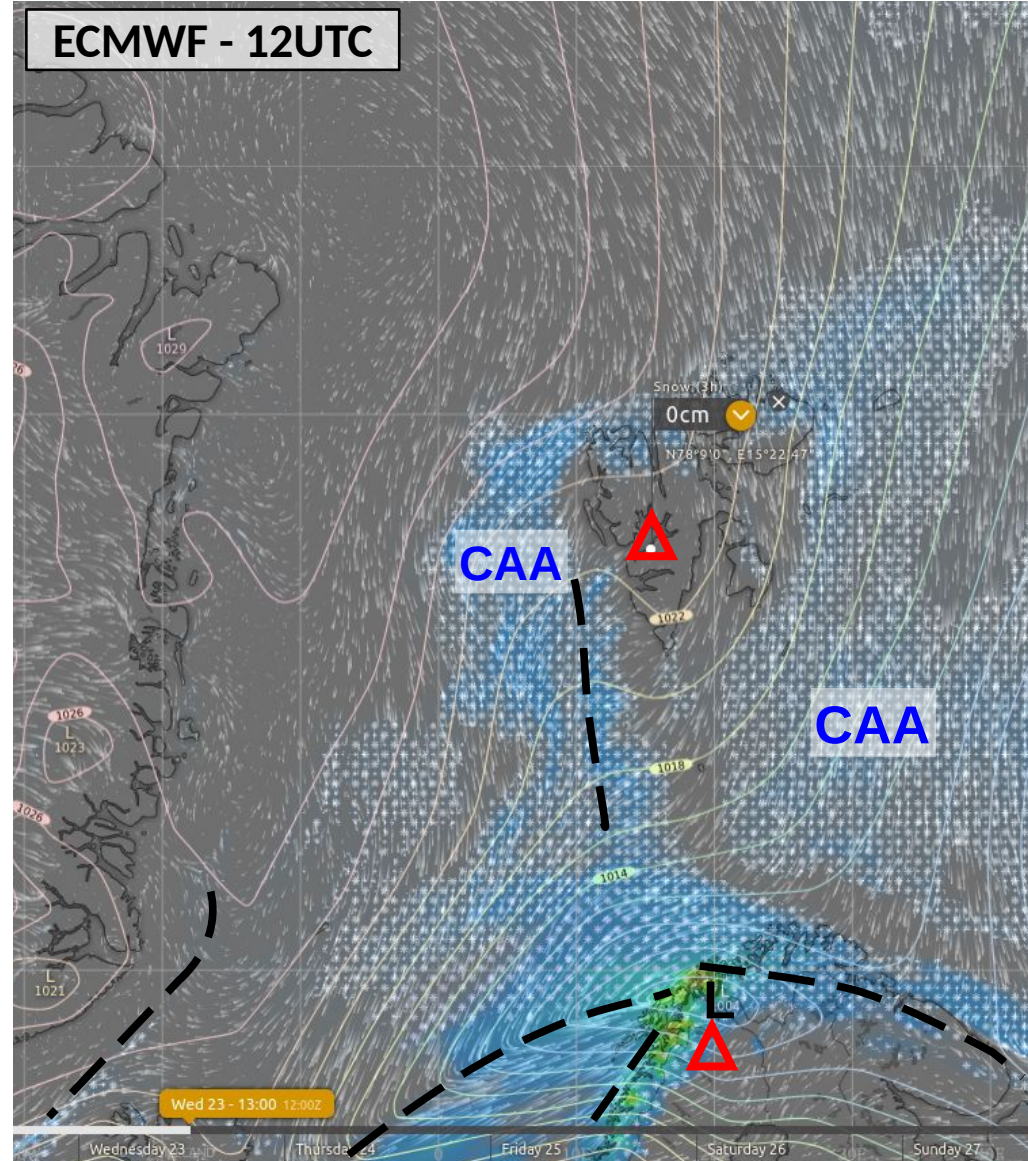
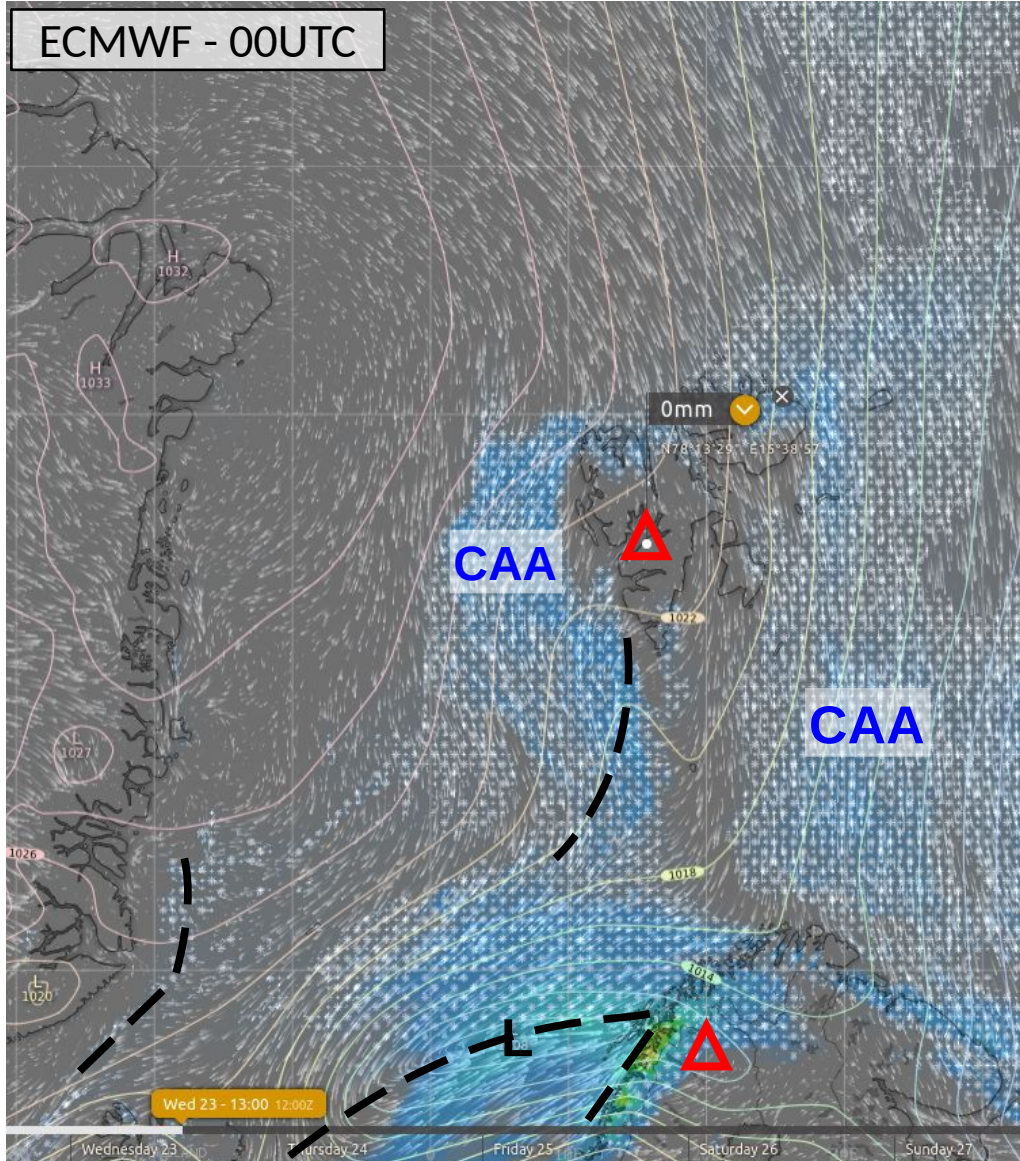
# Tuesday, 2022-03-22 10 UTC



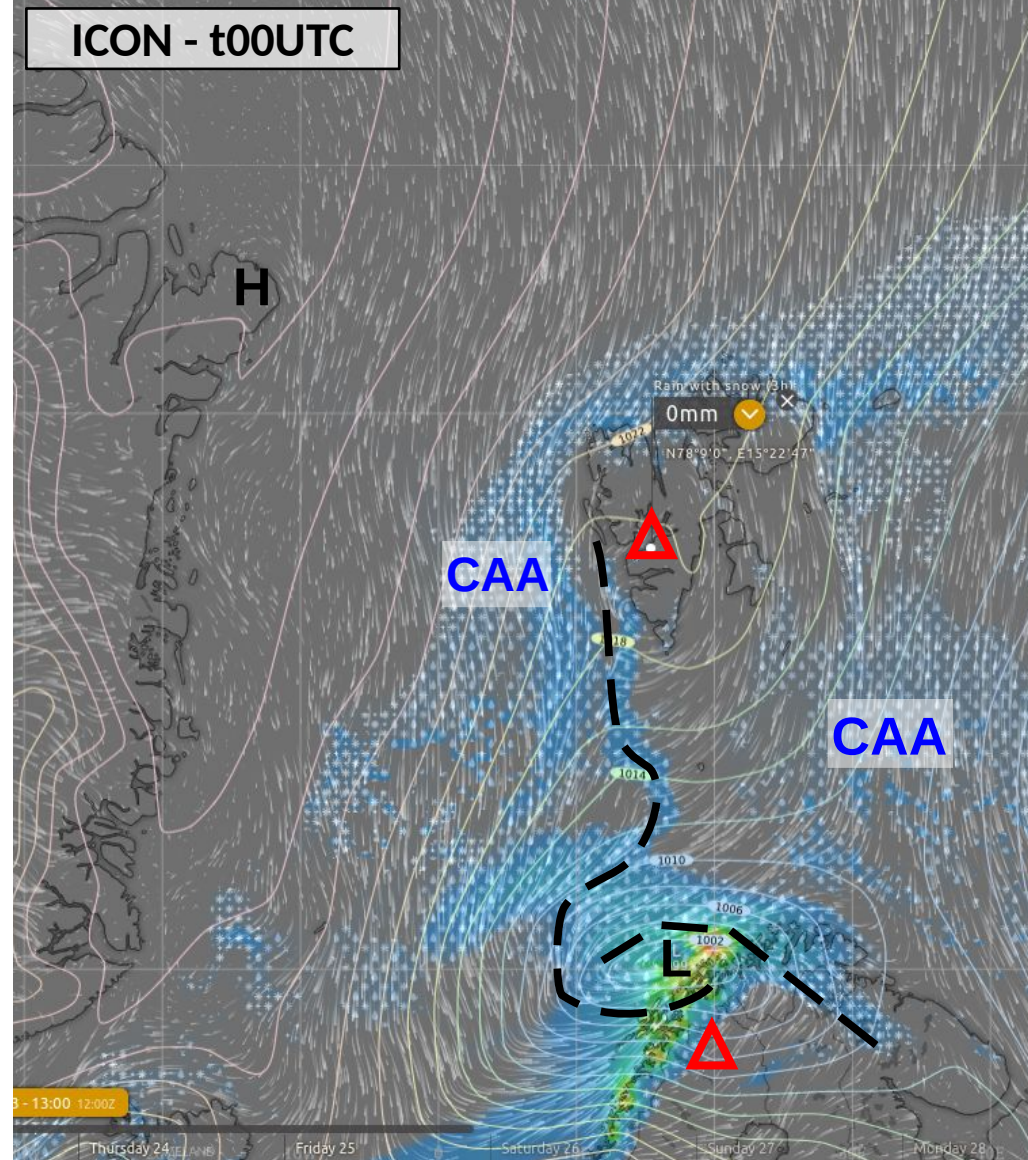
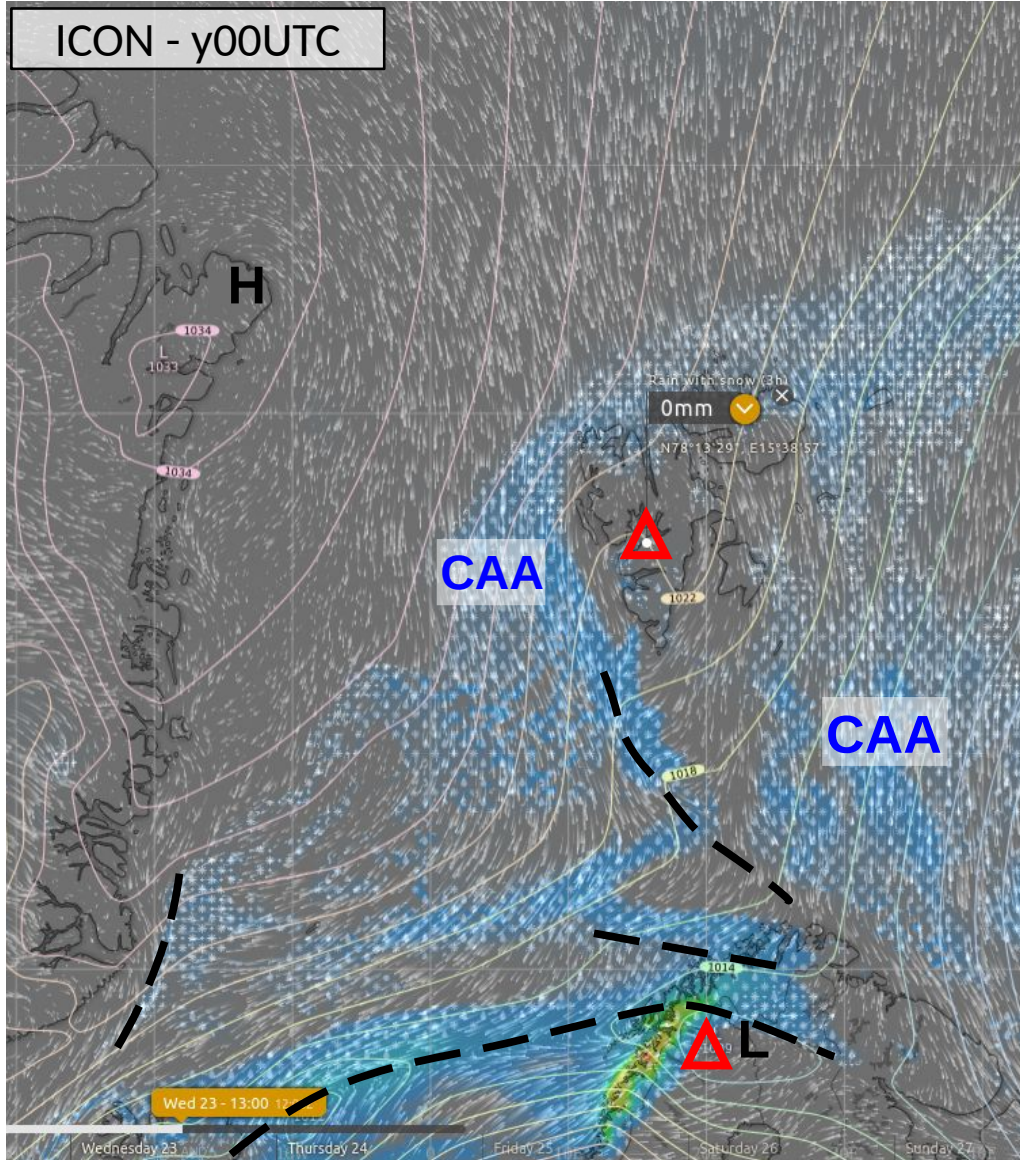
Tuesday, 2022-03-22 10 UTC



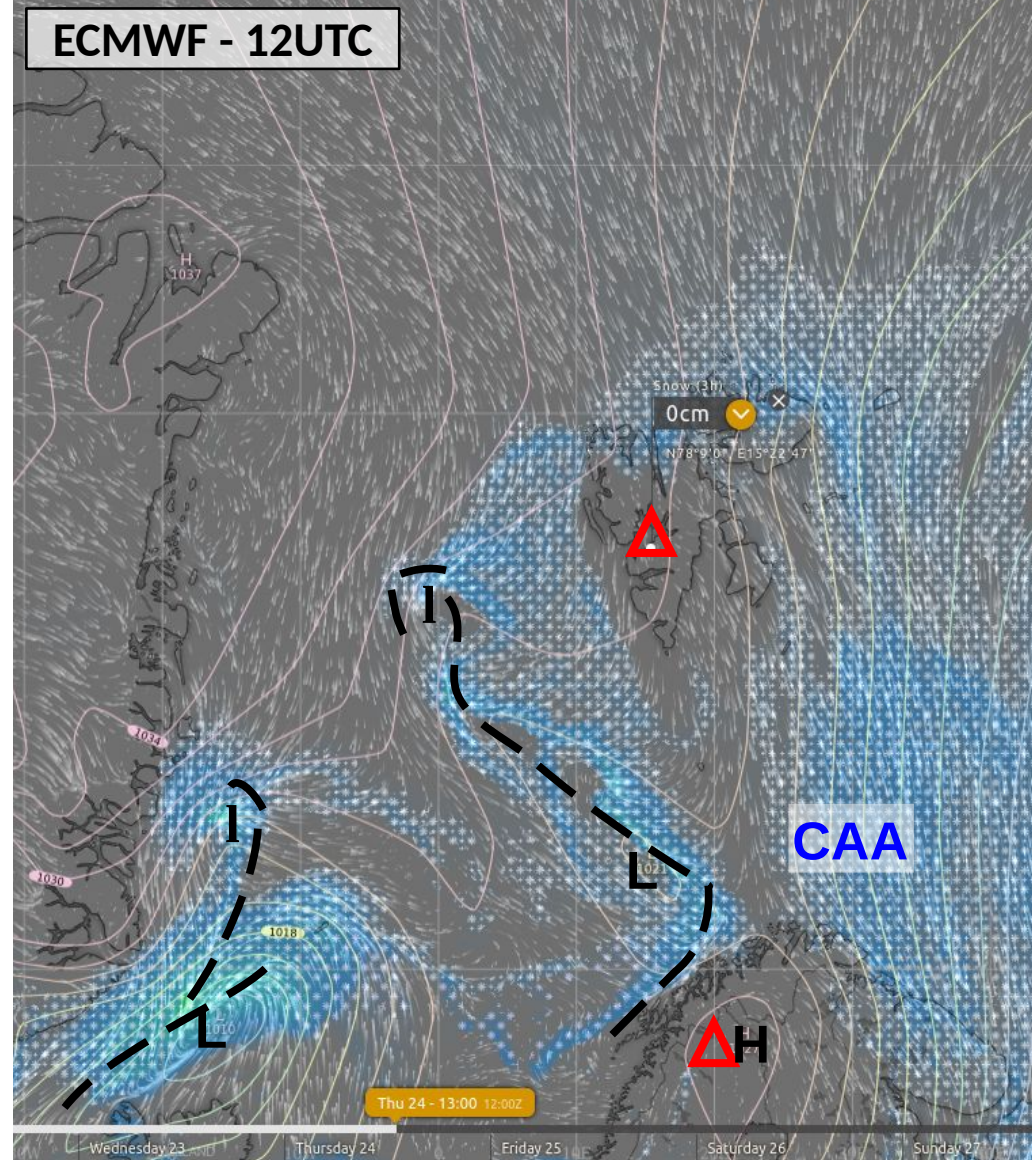
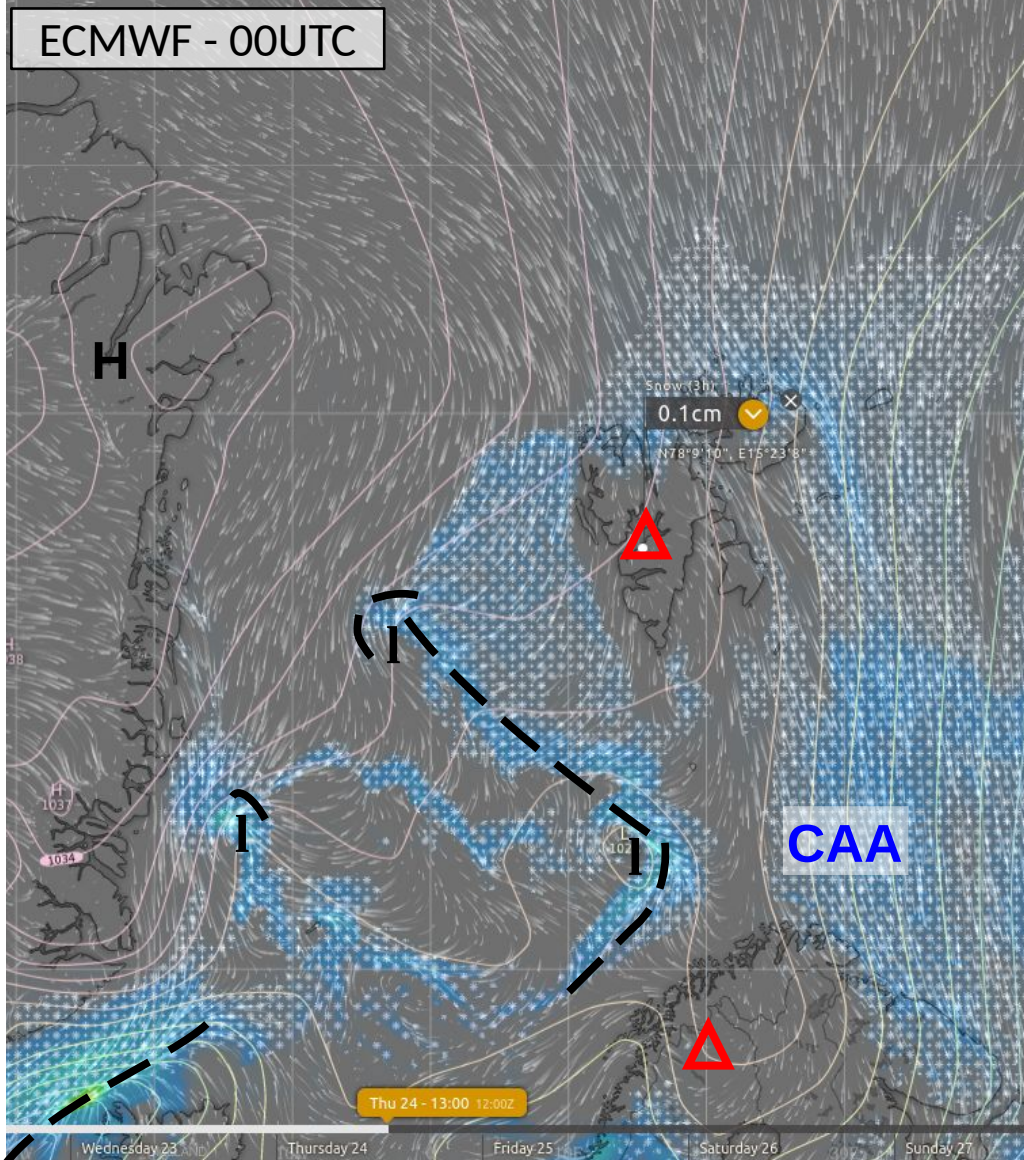
# Wednesday, 2022-03-23 12 UTC



# Wednesday, 2022-03-23 12 UTC

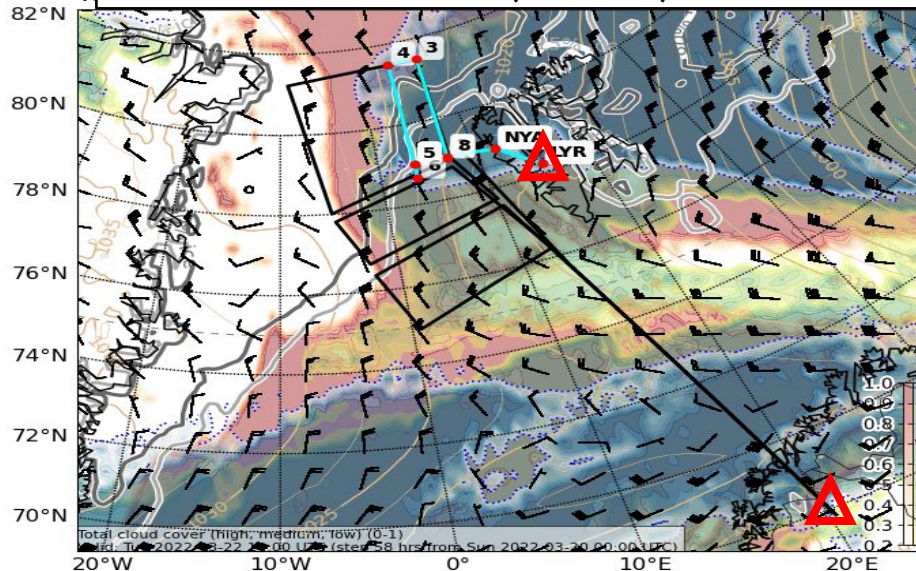


# Thursday, 2022-03-24 12 UTC

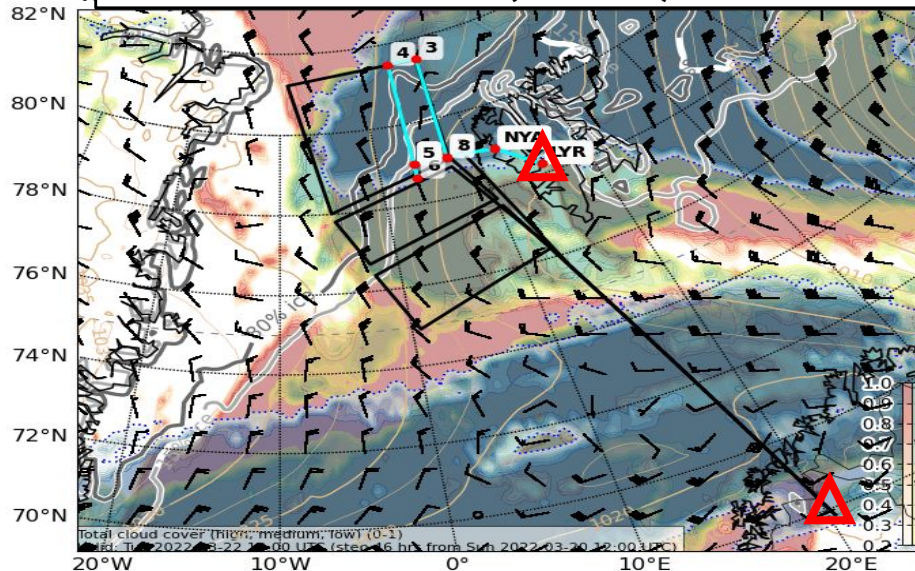


# Tue, 2022-03-22 10 UTC, Total cloud cover

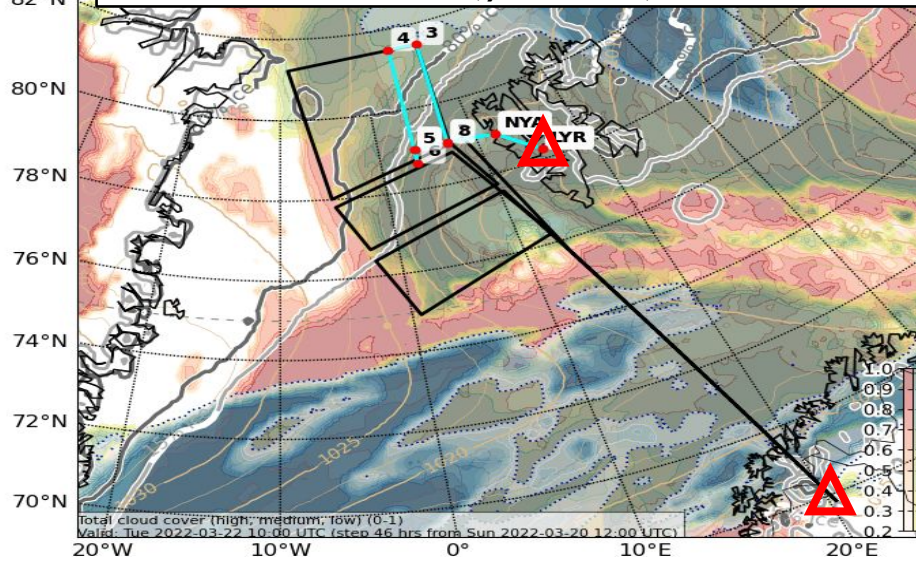
## ECMWF (00 UTC)



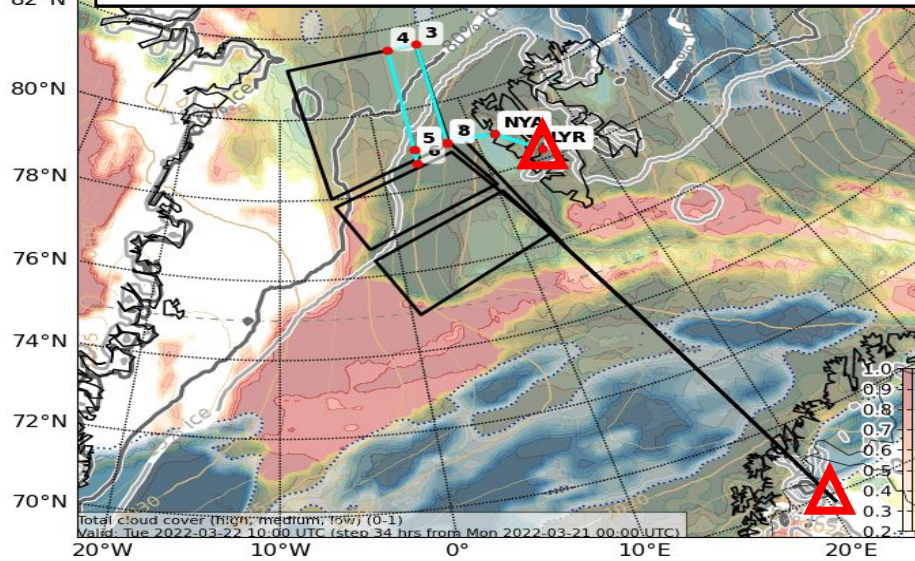
## ECMWF (12 UTC)



## ICON (y12 UTC)



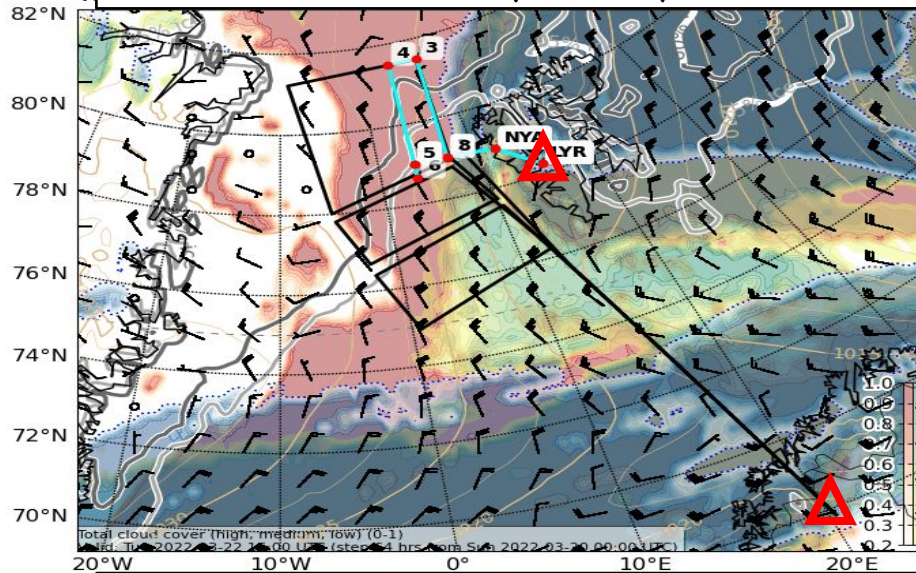
## ICON (t00 UTC)



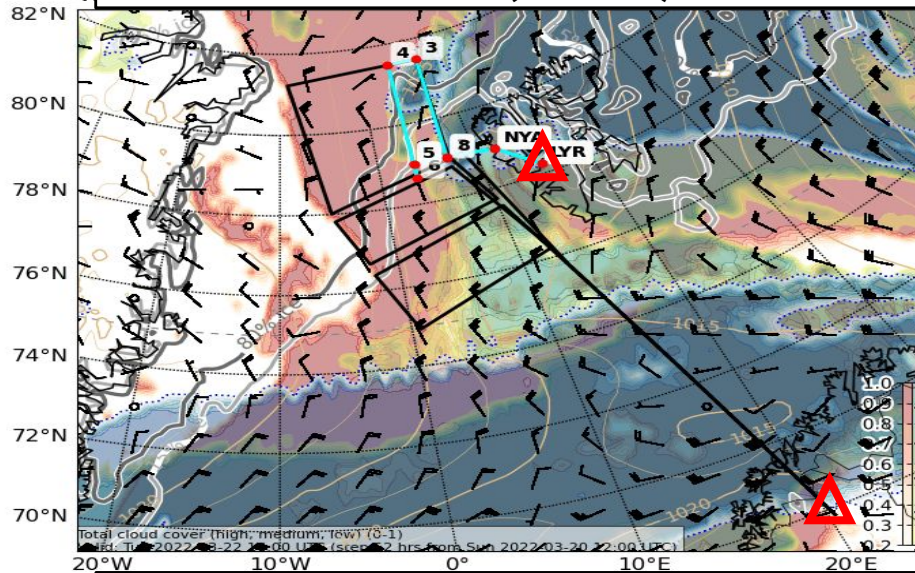


# Tue, 2022-03-22 16 UTC, Total cloud cover

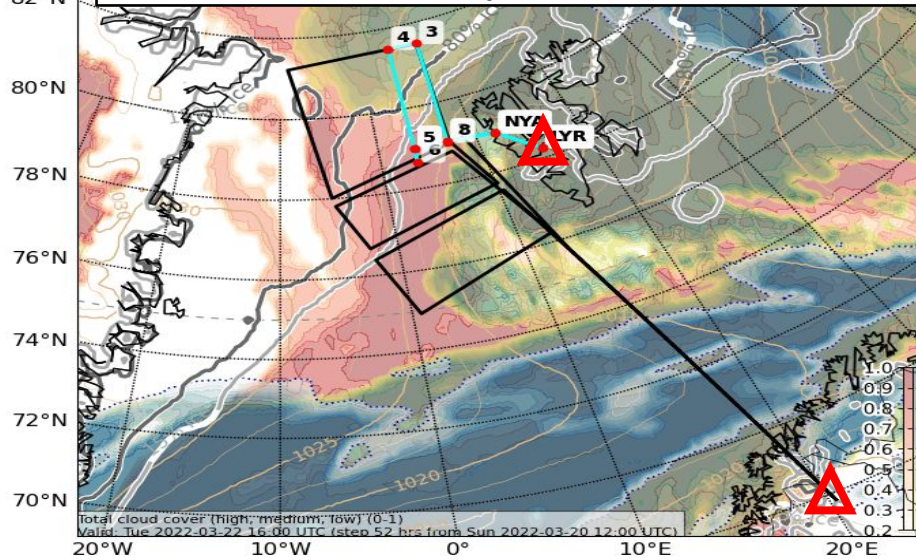
## ECMWF (00 UTC)



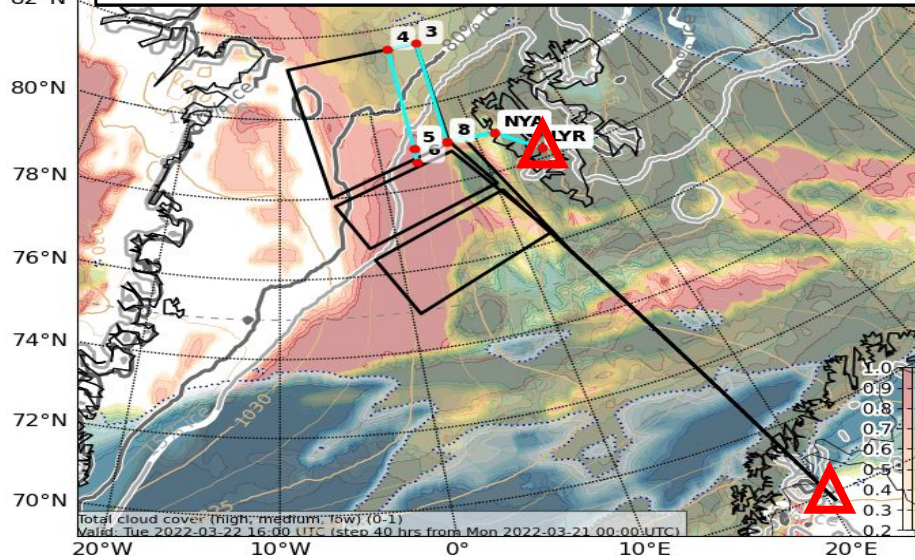
## ECMWF (12 UTC)



## ICON (y12 UTC)

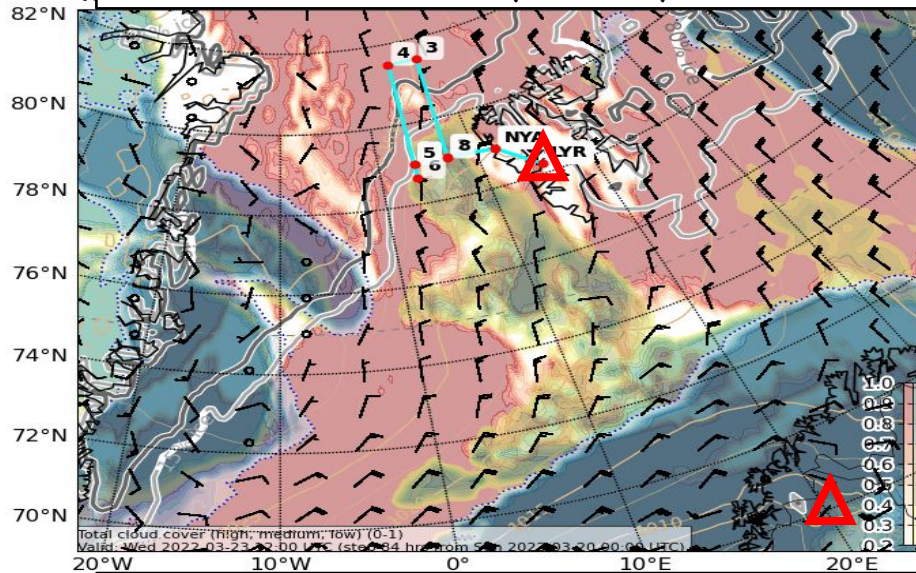


## ICON (t00 UTC)

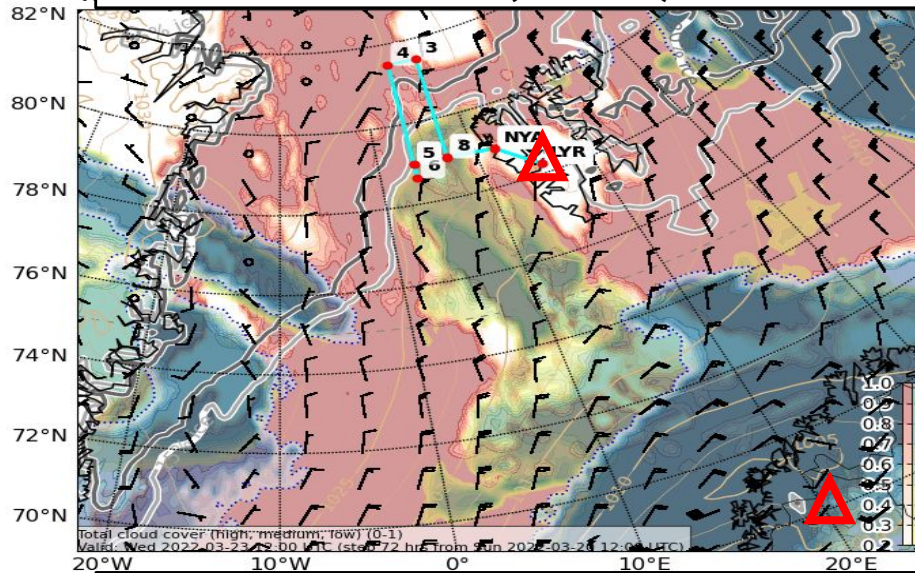


# Wed, 2022-03-23 12 UTC, Total cloud cover

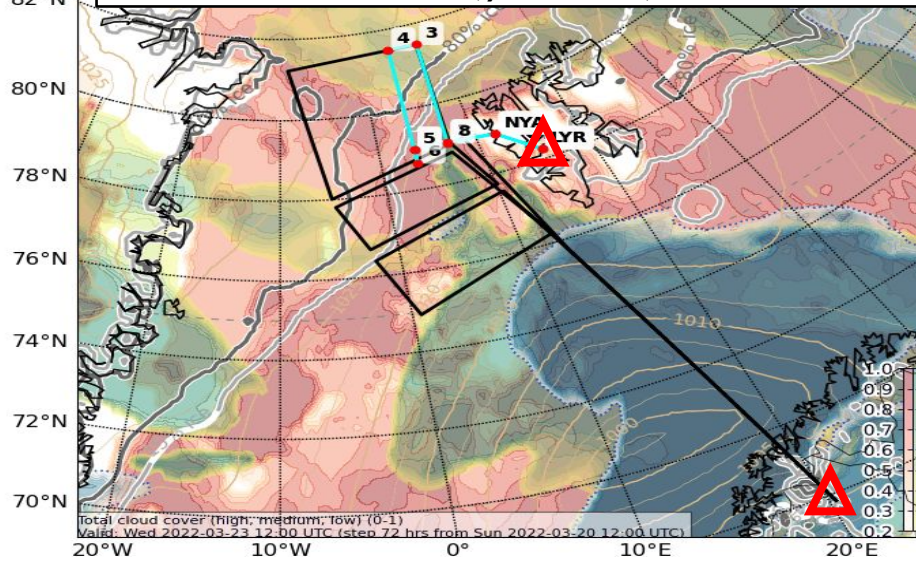
## ECMWF (00 UTC)



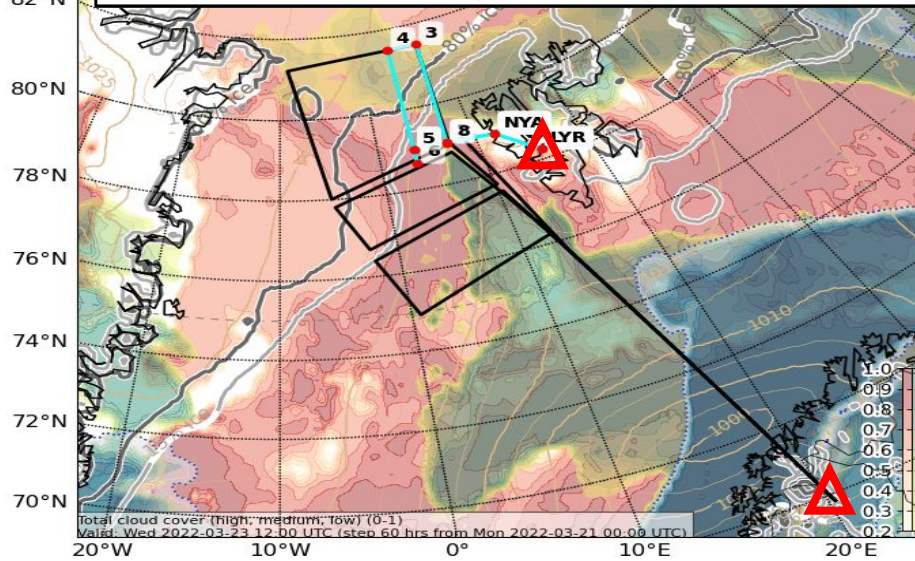
## ECMWF (12 UTC)



## ICON (y12 UTC)



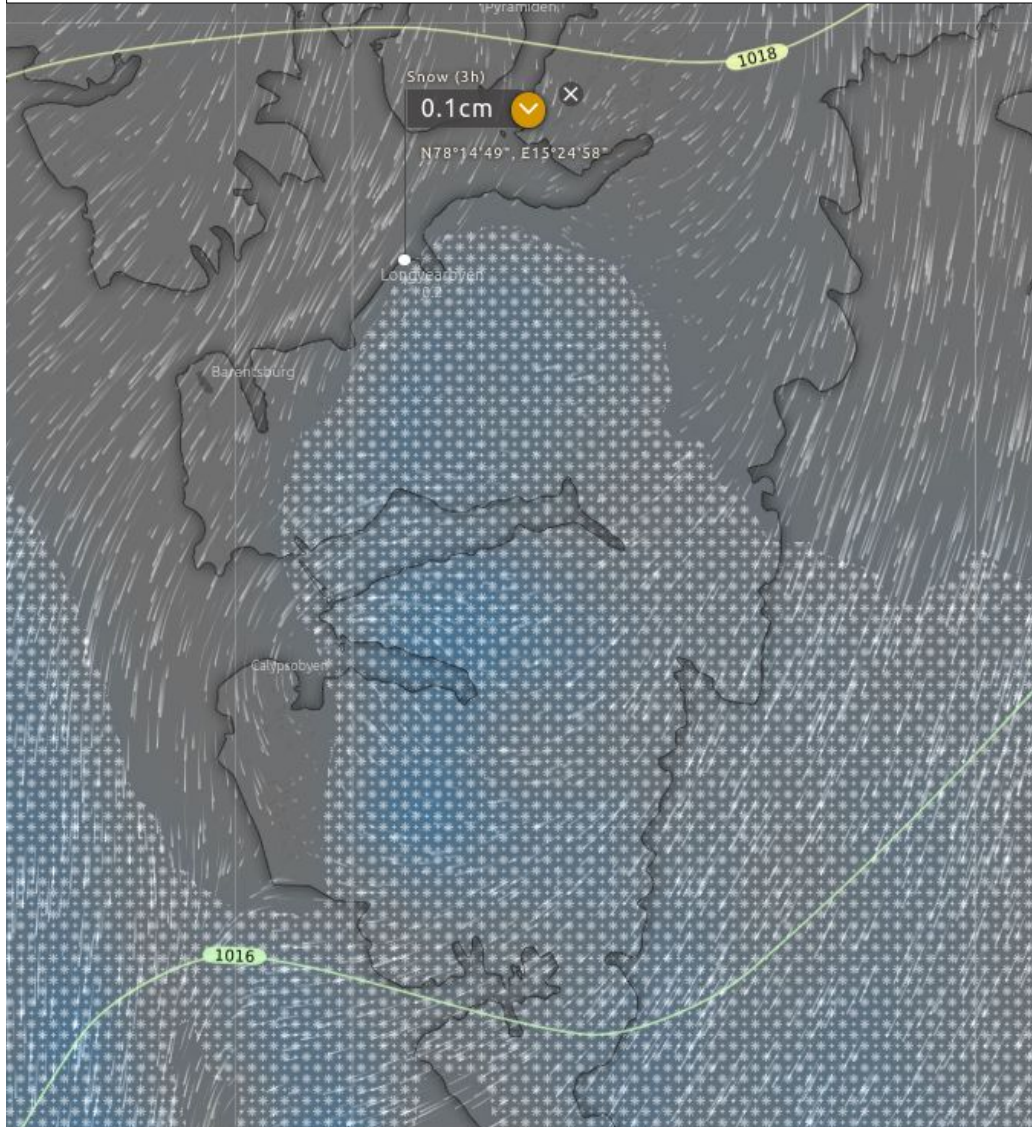
## ICON (t00 UTC)



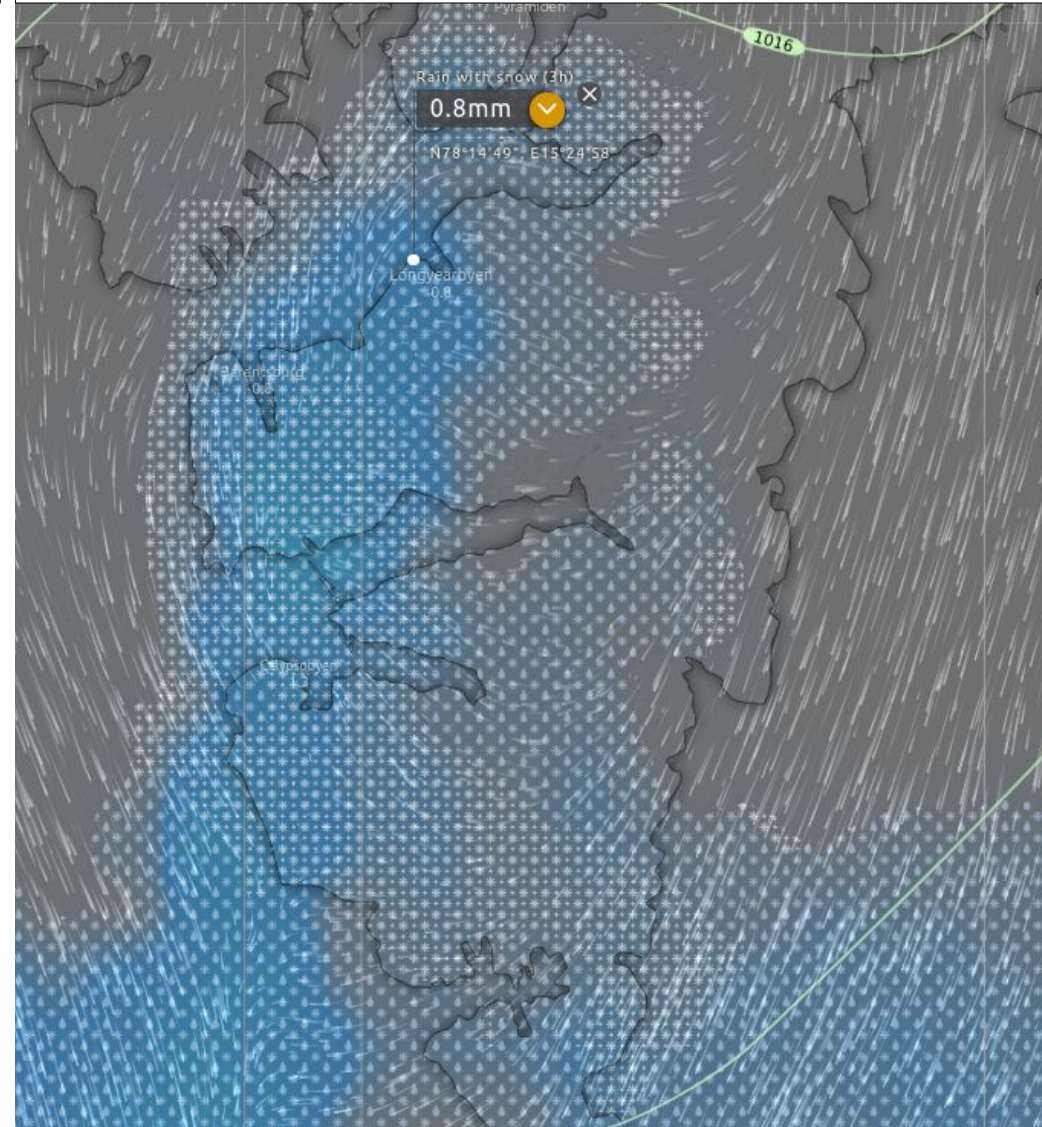
## **Airport meteograms & local weather at Svalbard**

# Tue, 2022-03-22 16 UTC: Precipitation

## ECMWF

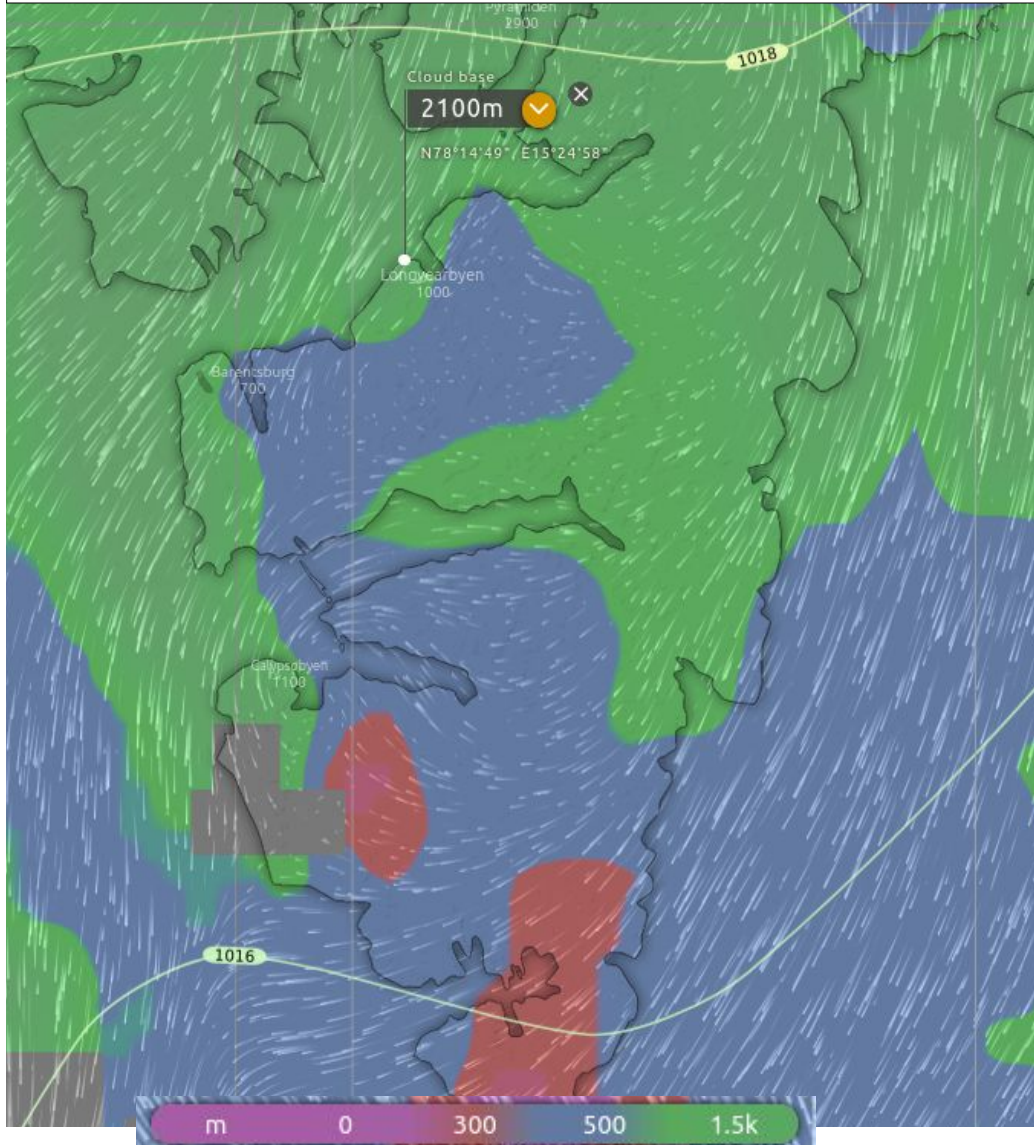


## ICON

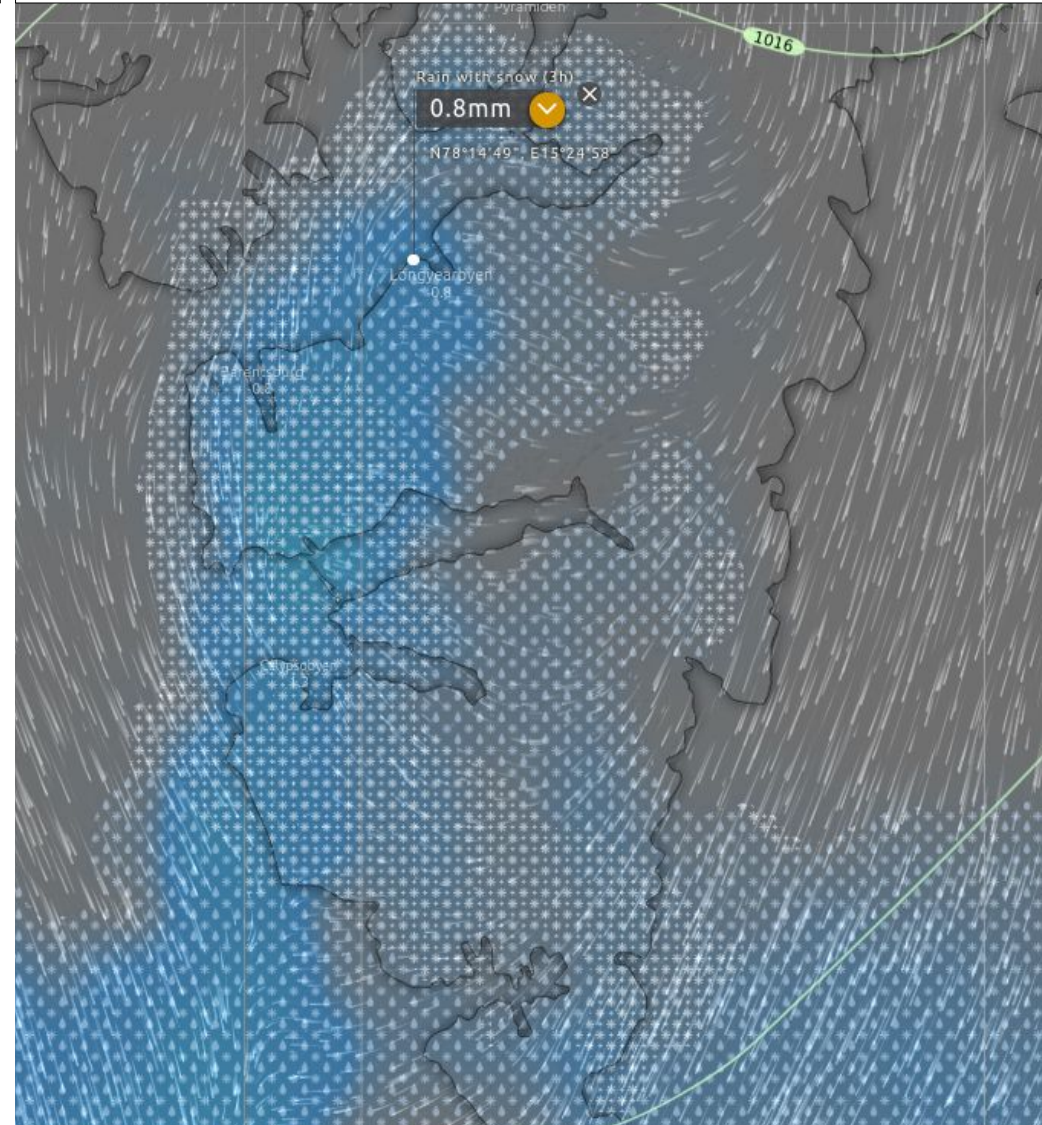


# Tue, 2022-03-22 16 UTC: ECMWF cloud base & ICON precipitation

## ECMWF (cloud base)

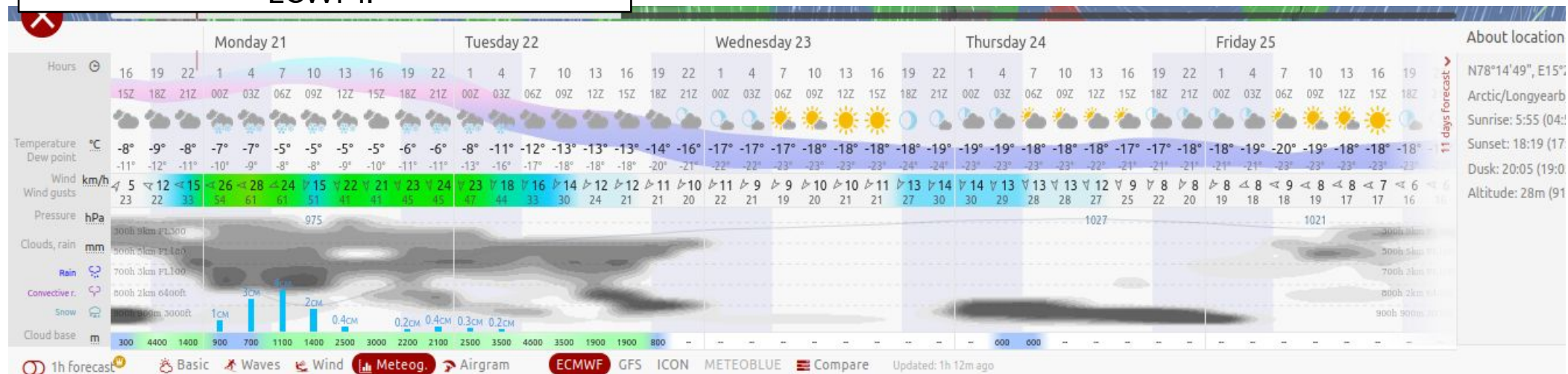


## ICON

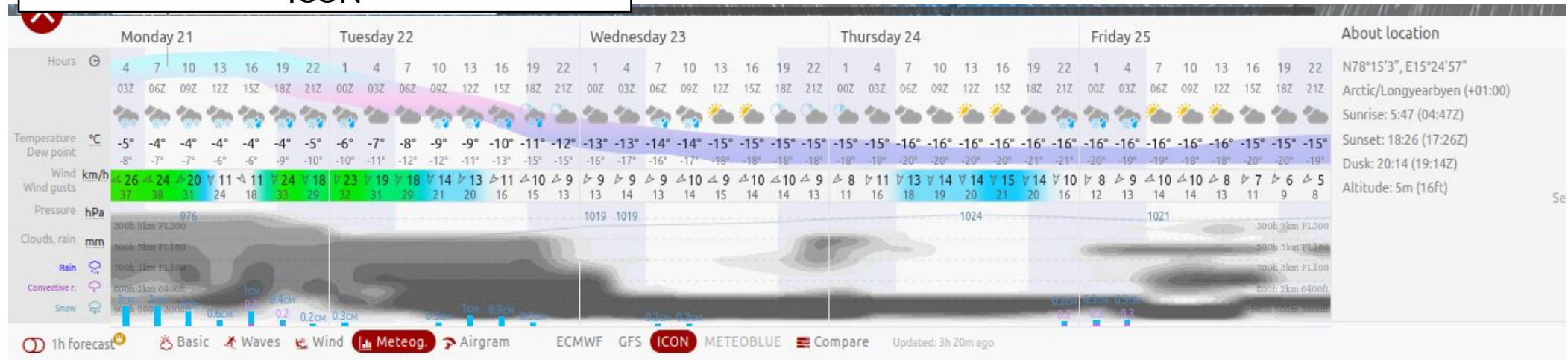


# Longyearbyen:

## ECWMF



## ICON



# Summary

## Summary: Weather Update 2022-03-21, 09:00 LT

- **Tuesday, 2022-03-22:**
  - In Northern part of planned patterns: mid- and high-level cloud cover higher than in previous forecast, but still decreasing in the afternoon
  - Still some precipitation near LYR airport possible
- **Wednesday, 2022-03-23:**
  - Region of strongest cold air advection directly over Svalbard and further East
  - Wind in CAO over Fram strait still turns slightly NE; cloud cover prediction similar
  - Low clouds possible near LYR, but smaller cloud cover than in prev. Forecast (ECMWF)
- **Thursday, 2022-03-24:**
  - Polar lows still indicated over southern Fram Strait, position & intensity unclear





# Tue, 2022-03-22 16 UTC: Cloud cover

