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

Monday, 2022-03-28, 09:00 LT

#### Surface wind development and precipitation

2022-03-27 12 UTC: 48 - 120h

**ECMWF** 

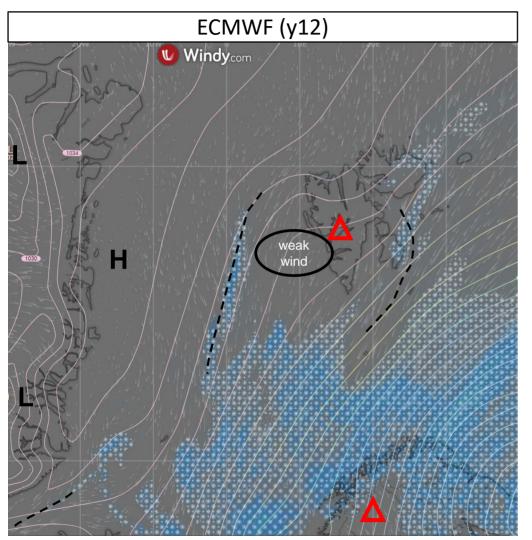
2022-03-28 00 UTC: 36 - 108h

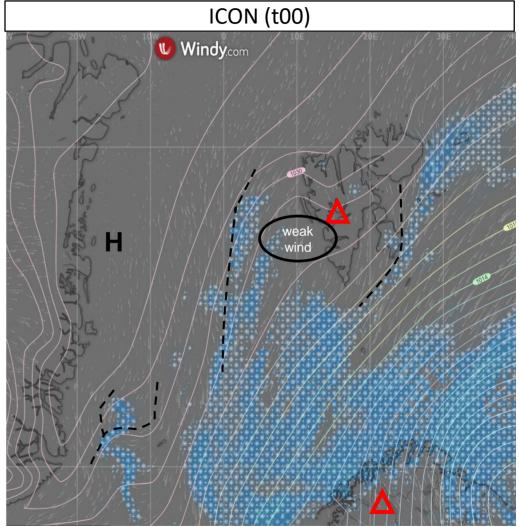
**ICON** 

**CAA: Cold Air Advection** 

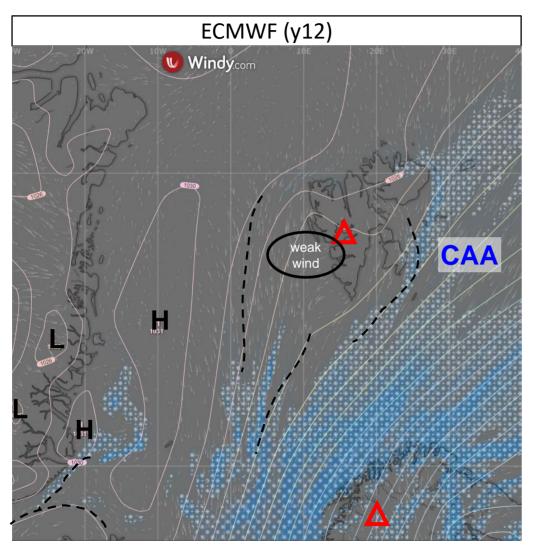
**WAA: Warm Air Advection** 

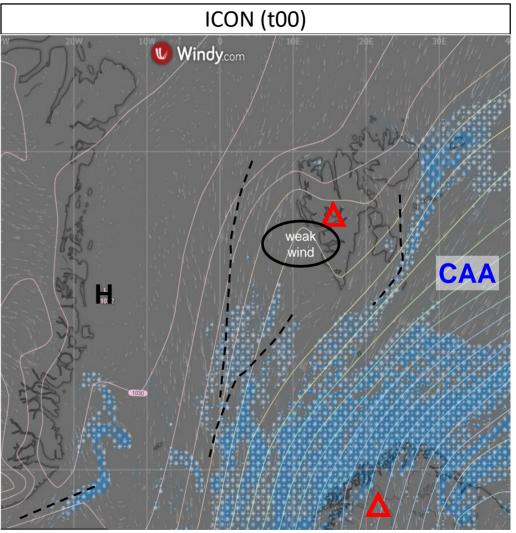
## Tuesday, 2022-03-29 12 UTC



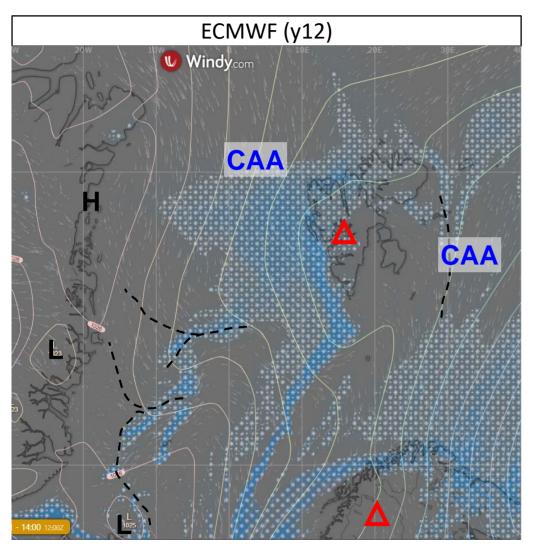


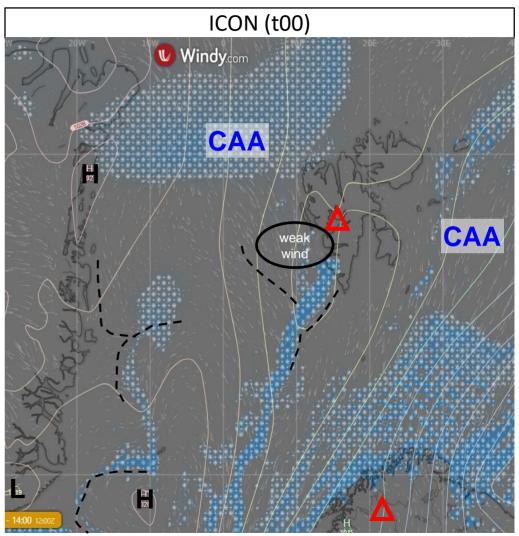
#### Wednesday, 2022-03-30 12 UTC



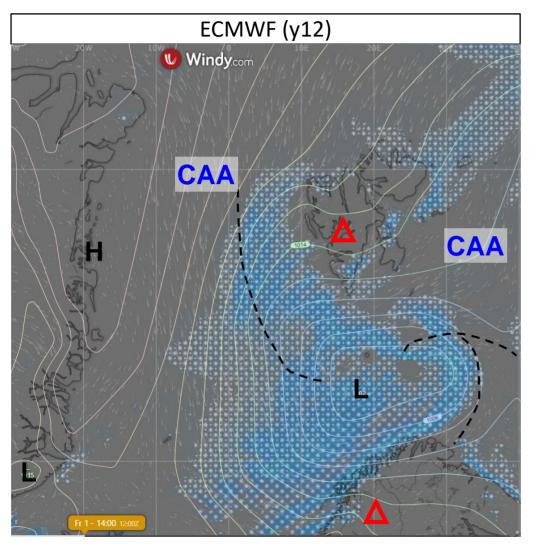


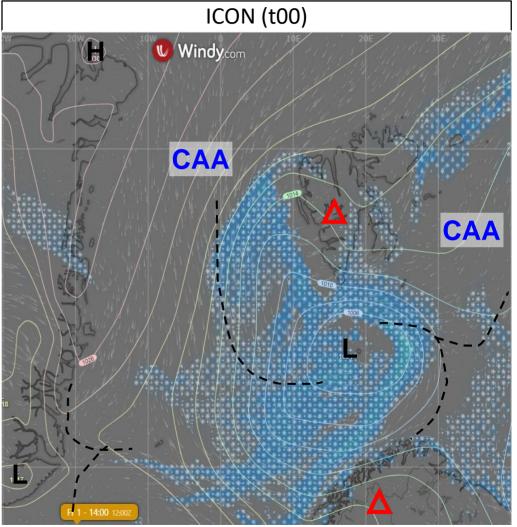
## Thursday, 2022-03-31 12 UTC





#### Friday, 2022-04-01 12 UTC

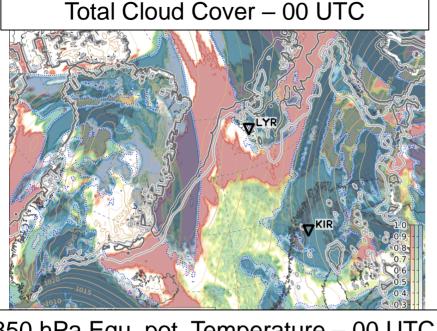




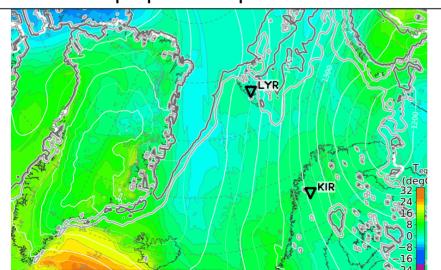
#### Forecast comparison (TCC, ThetaE850hPa)

ECMWF 2022-03-27 00 UTC and 12 UTC

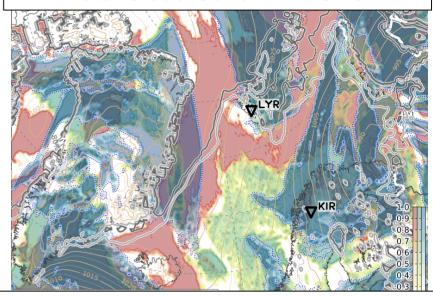
Tuesday, 2022-03-29 12 UTC



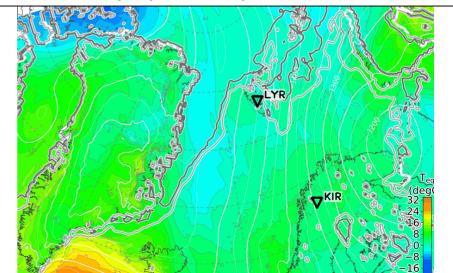
850 hPa Equ. pot. Temperature – 00 UTC



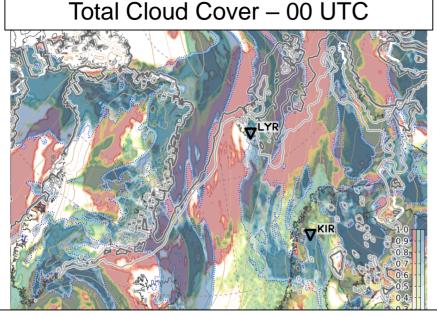
Total Cloud Cover – 12 UTC



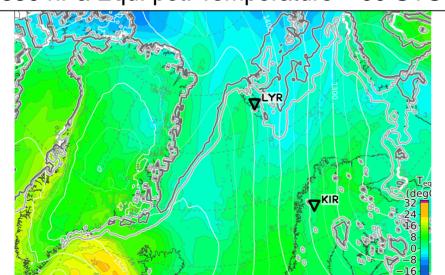
850 hPa Equ. pot. Temperature – 12 UTC



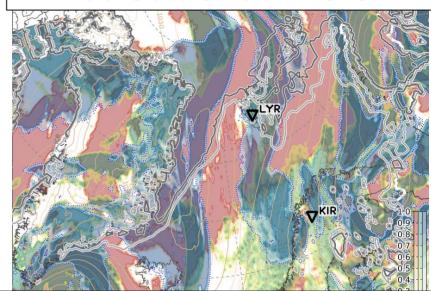
# Wednesday, 2022-03-30 12 UTC



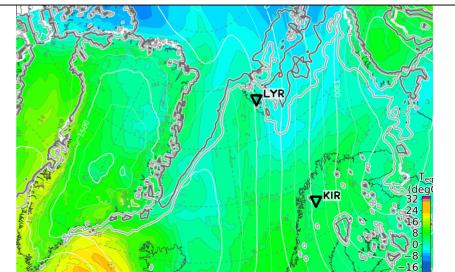
850 hPa Equ. pot. Temperature – 00 UTC



Total Cloud Cover – 12 UTC

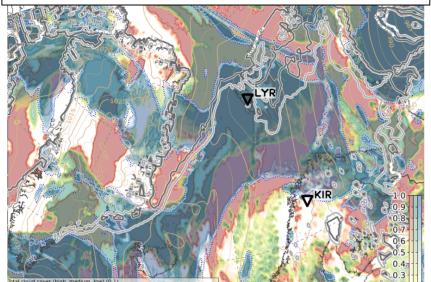


850 hPa Equ. pot. Temperature – 12 UTC

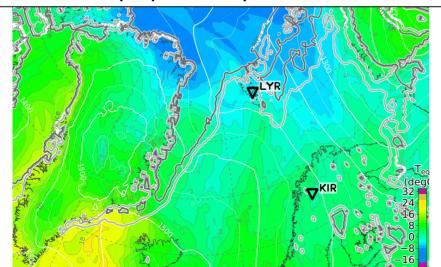


Thursday, 2022-03-31 12 UTC

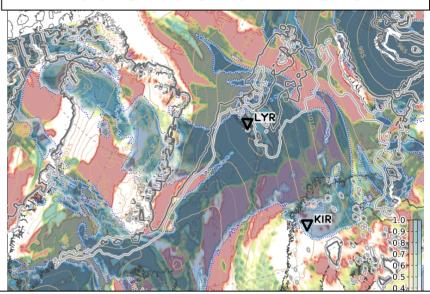




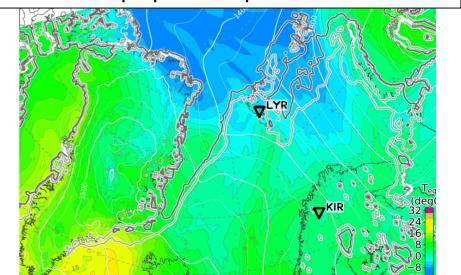
850 hPa Equ. pot. Temperature – 00 UTC



Total Cloud Cover – 12 UTC

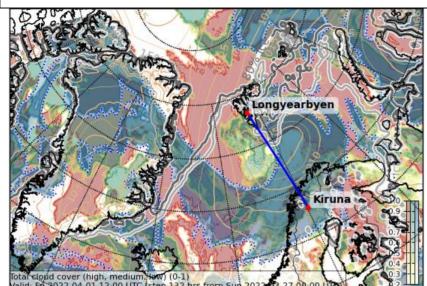


850 hPa Equ. pot. Temperature – 12 UTC

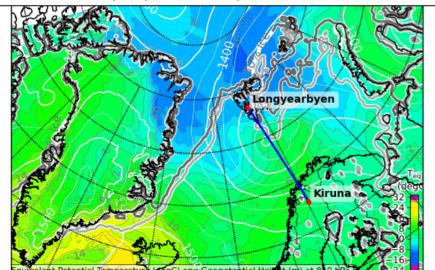


Friday, 2022-04-01 12 UTC

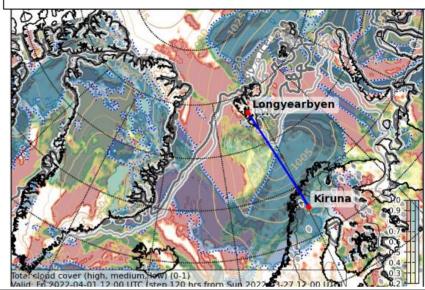
Total Cloud Cover – 00 UTC



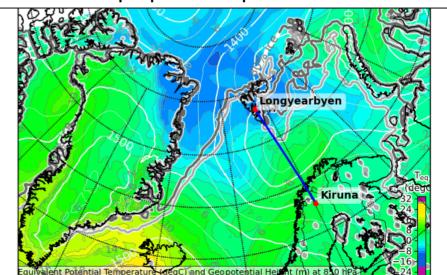
850 hPa Equ. pot. Temperature – 00 UTC



Total Cloud Cover – 12 UTC

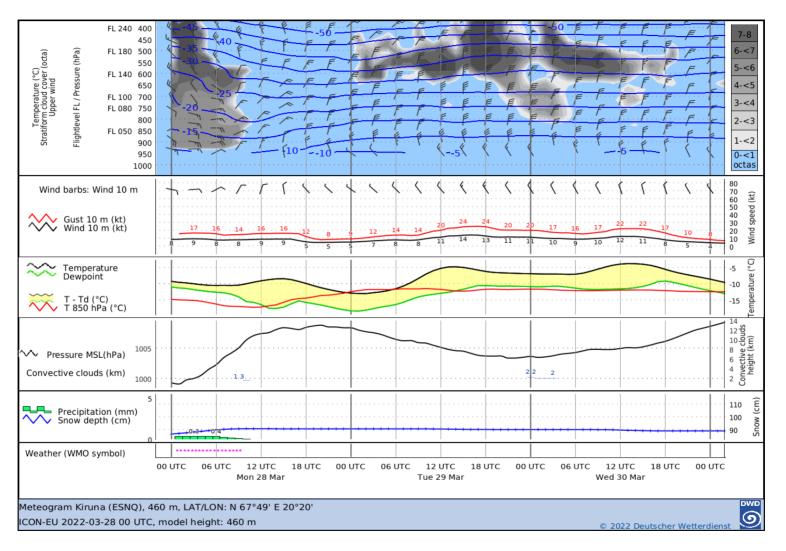


850 hPa Equ. pot. Temperature – 12 UTC

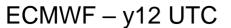


Airport meteograms & local weather at Svalbard

## Kiruna



## Longyearbyen:

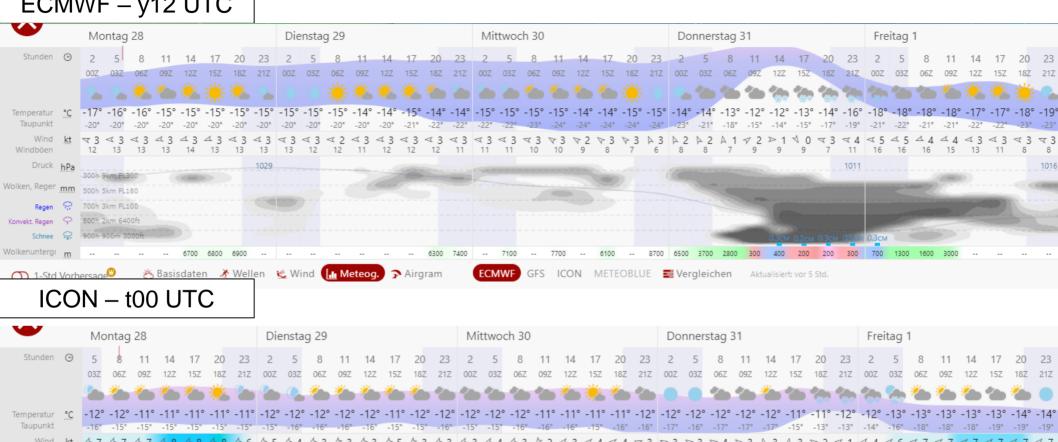


Druck hPa

Wolken, Reger mm 500h 5km FL180 Regen 💭 700h 3km FL100

300h 9km FL300

1028 1028 1028



1023 1023

300h 9km FL300



**Summary** 

## Summary Weather Update 2022-03-28 9:00 LT

#### Tuesday, 2022-03-29

- high pressure system east of Greenland
- calm wind conditions west of Svalbard

#### Wednesday, 2022-03-30

- similar to Tuesday
- high cloud advection over Fram Strait
- cold air advected (origin: Russia and Alaska)

#### Thursday, 2022-03-31

- high and mid-level clouds over Svalbard
- Formation of low pressure system south west of Svalbard
- unfavorable flight conditions at LYR
- CAA over Kara sea, weak CAA over Fram Strait

#### Friday, 2022-04-01

- high cloud cover over Svalbard dissolve, still mid-level clouds
- intensification of CAAs