

Weather briefing HALO-(AC)³

Saturday, 2022-03-19, 09:00 LT

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 **22** minutes ago, at **07:20** UTC

Wind **9** kt from the **South**

Temperature **-3°C**

Humidity **80%**

Pressure **989** hPa

Visibility 10 km or more

Few clouds at a height of **2000** ft
Broken clouds at a height of **3400** ft

showers in vicinity

[Change units](#)

Time: 08:42 (07:42 UTC)

Forecast

Forecast valid from 19 at 06 UTC to 20 at 06 UTC

Wind **15** kt from the **South/Southeast**

Visibility 10 km or more

Few clouds at a height of **1500** ft
Broken clouds at a height of **3000** ft

Temporary
from 19 at 06 UTC to 19 at 12 UTC

Wind **10** kt from the **South/Southwest** with gusts up to **20** kt

Temporary
from 19 at 06 UTC to 20 at 06 UTC

Visibility: **2000** m

at a height of **800** ft

snow showers

Becoming
from 19 at 11 UTC to 19 at 14 UTC

Wind **5** kt from variable directions

Temporary
from 19 at 12 UTC to 19 at 24 UTC

Wind **15** kt from the **West/Southwest** with gusts up to **25** kt

at a height of **800** ft

snow showers

Temporary
from 20 at 00 UTC to 20 at 06 UTC

Wind **12** kt from the **Northwest**

TAF: ENSB 1906/2006 15015KT 999
FEW015 BKN030 TEMPO 1906/1912
20010G20KT TEMPO 1906/2006 2000 SHSN
VV008 BECMG 1911/1914 VRB05KT TEMPO
1912/1924 25015G25KT SHSN VV008
TEMPO 2000/2006 32012KT

BOREALIS 360° - PORT OF LONGYEAR
Archives



Surface wind development and precipitation

2022-03-18 12 UTC: 45 – 96h

ECMWF

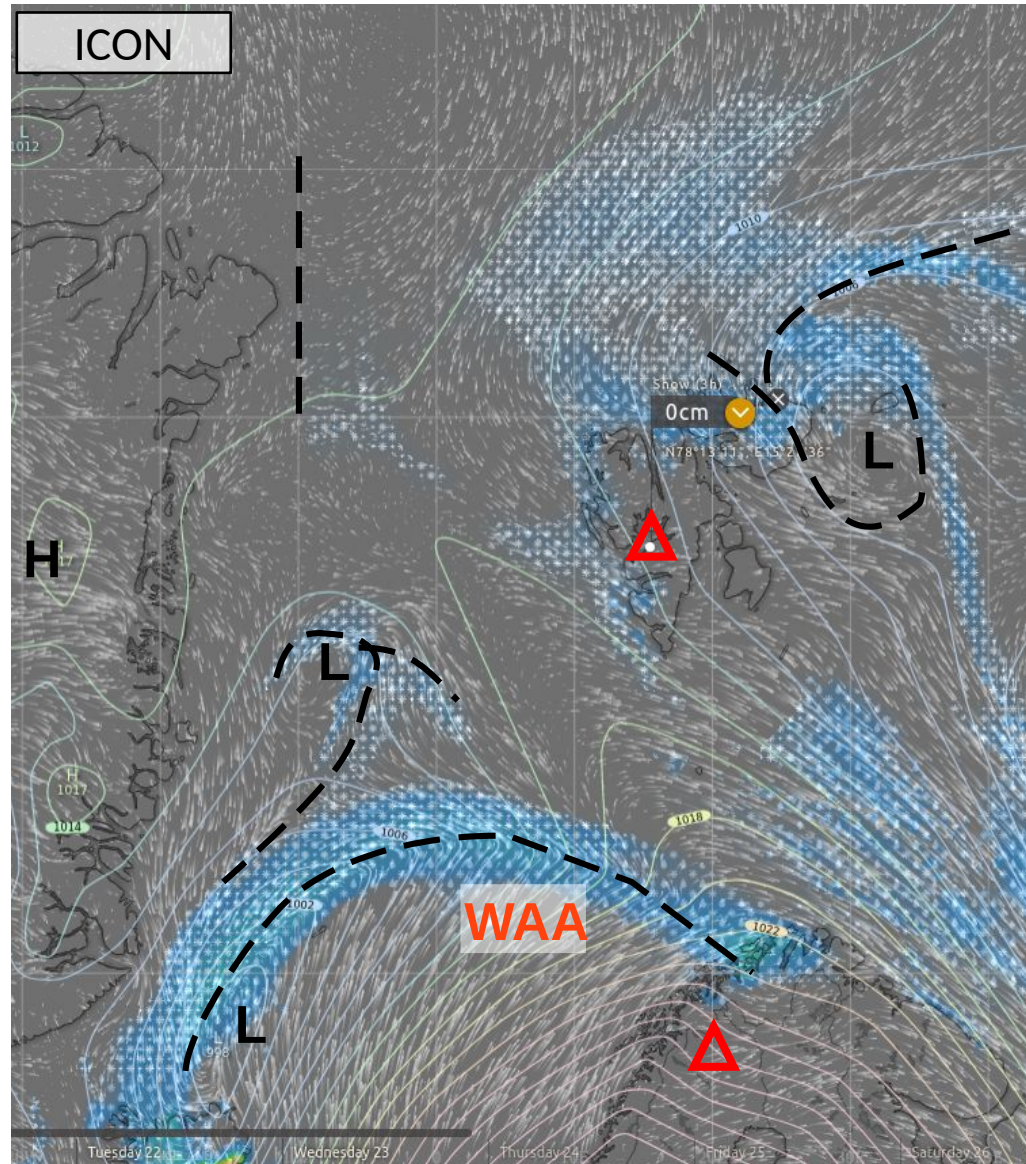
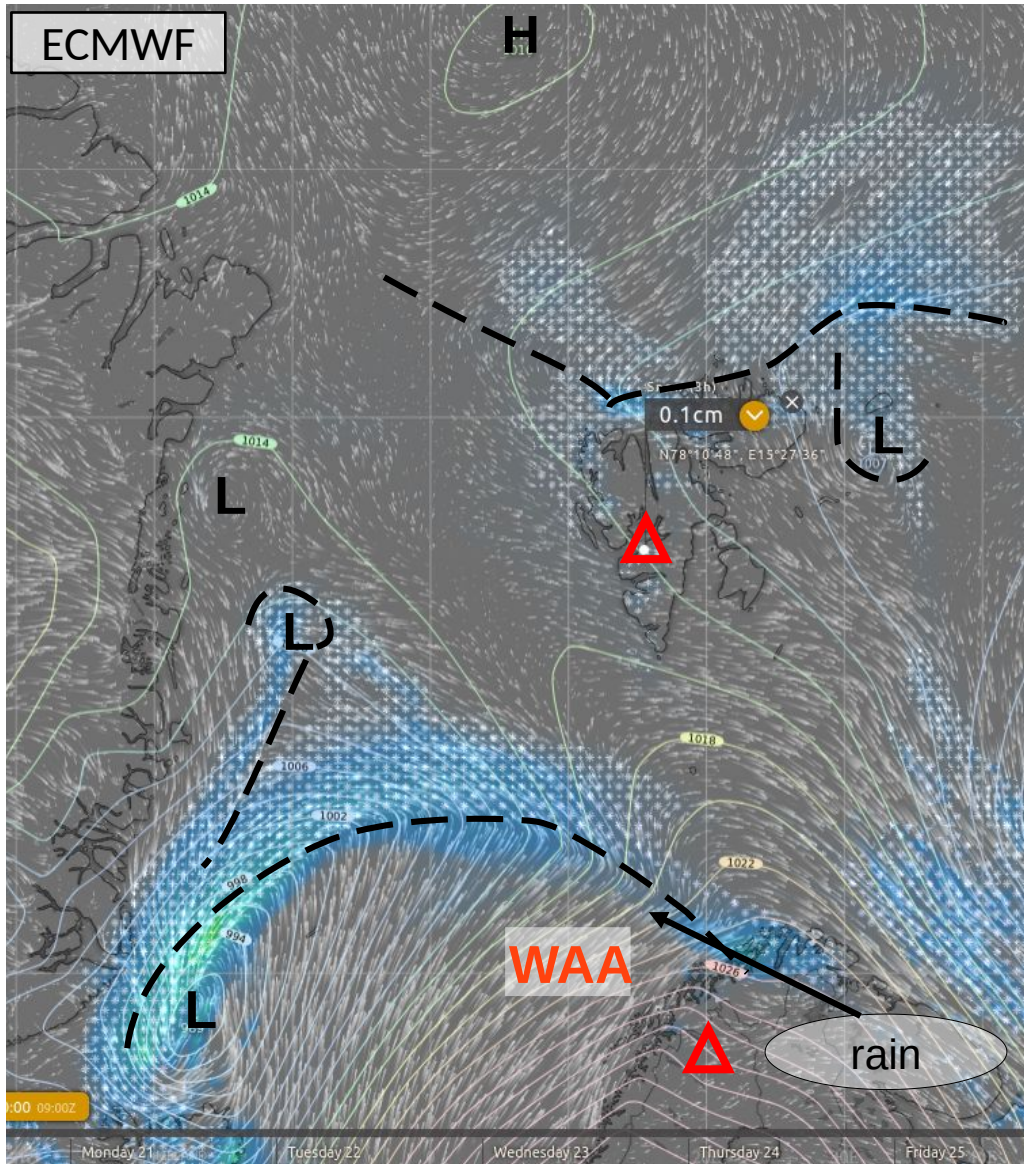
2022-03-19 00 UTC: 33 – 84h

ICON

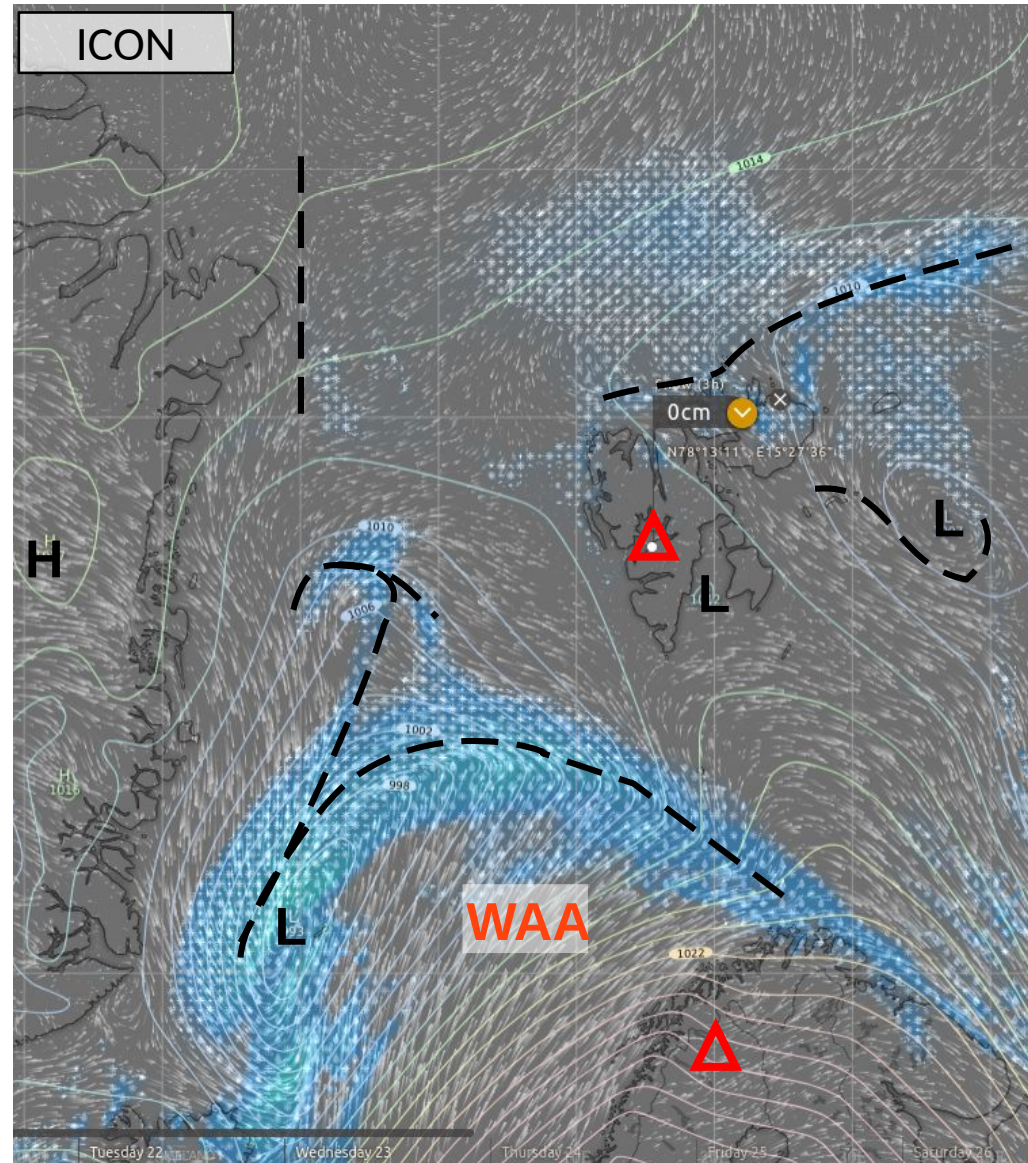
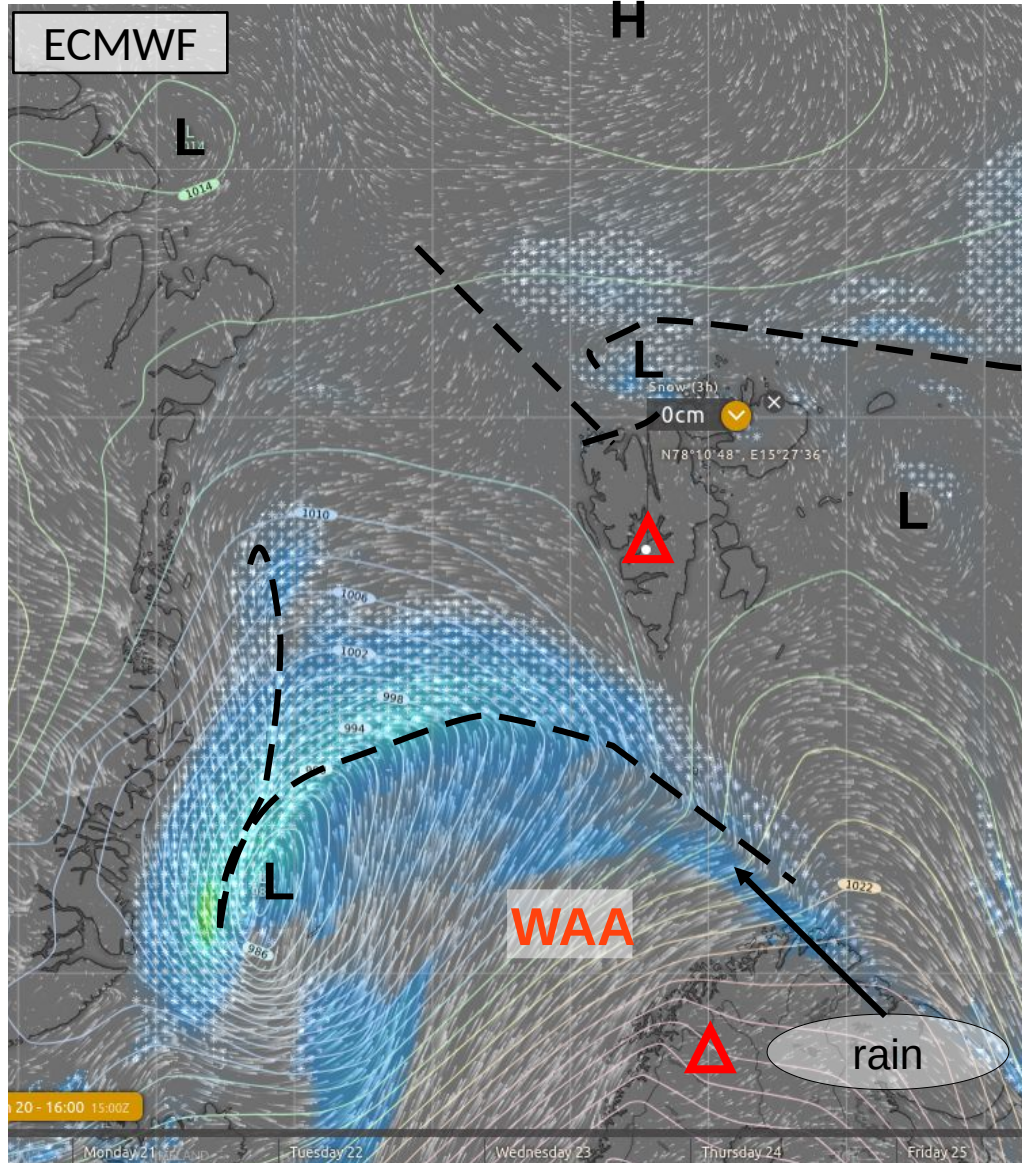
CAA: Cold Air Advection

WAA: Warm Air Advection

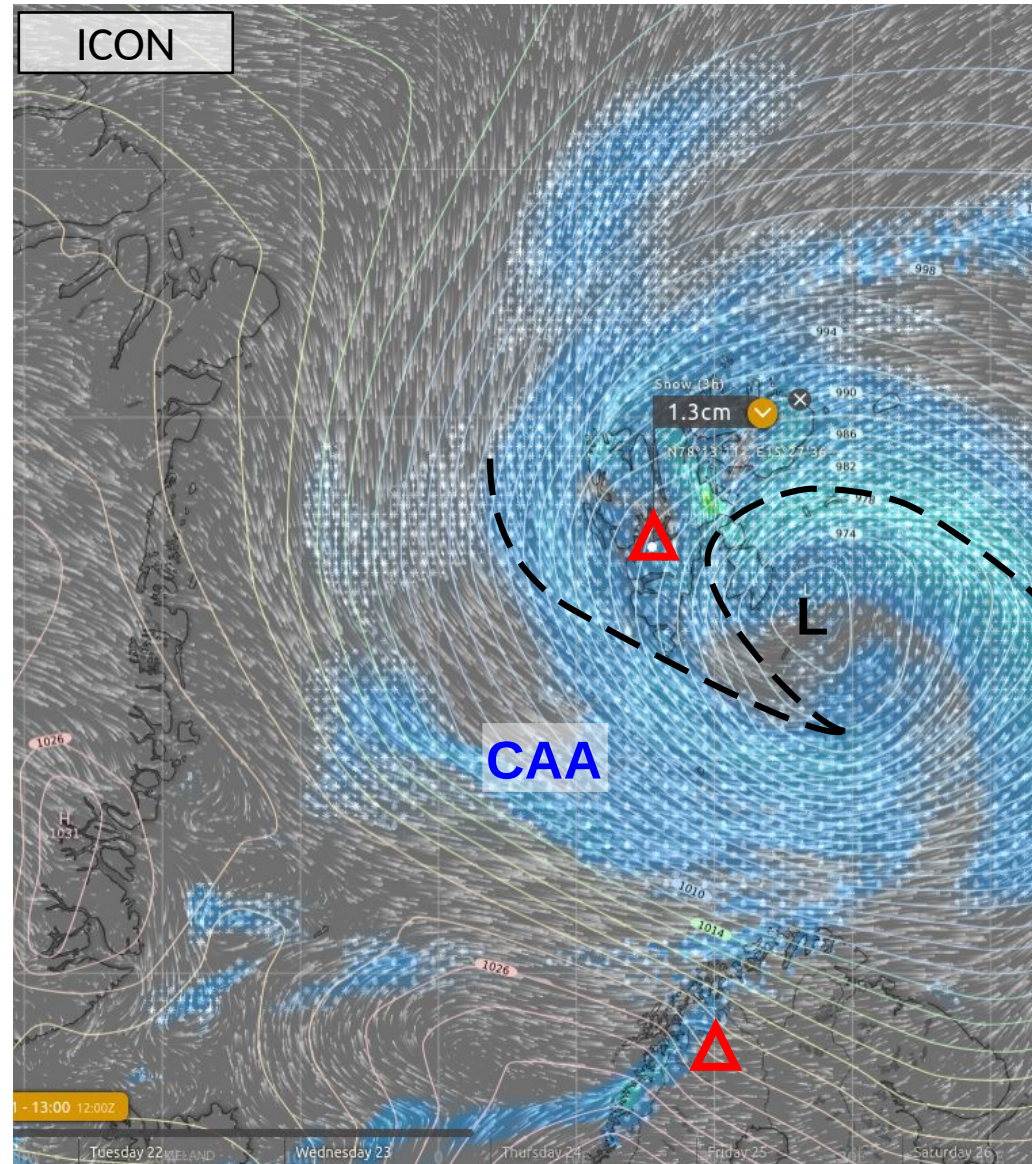
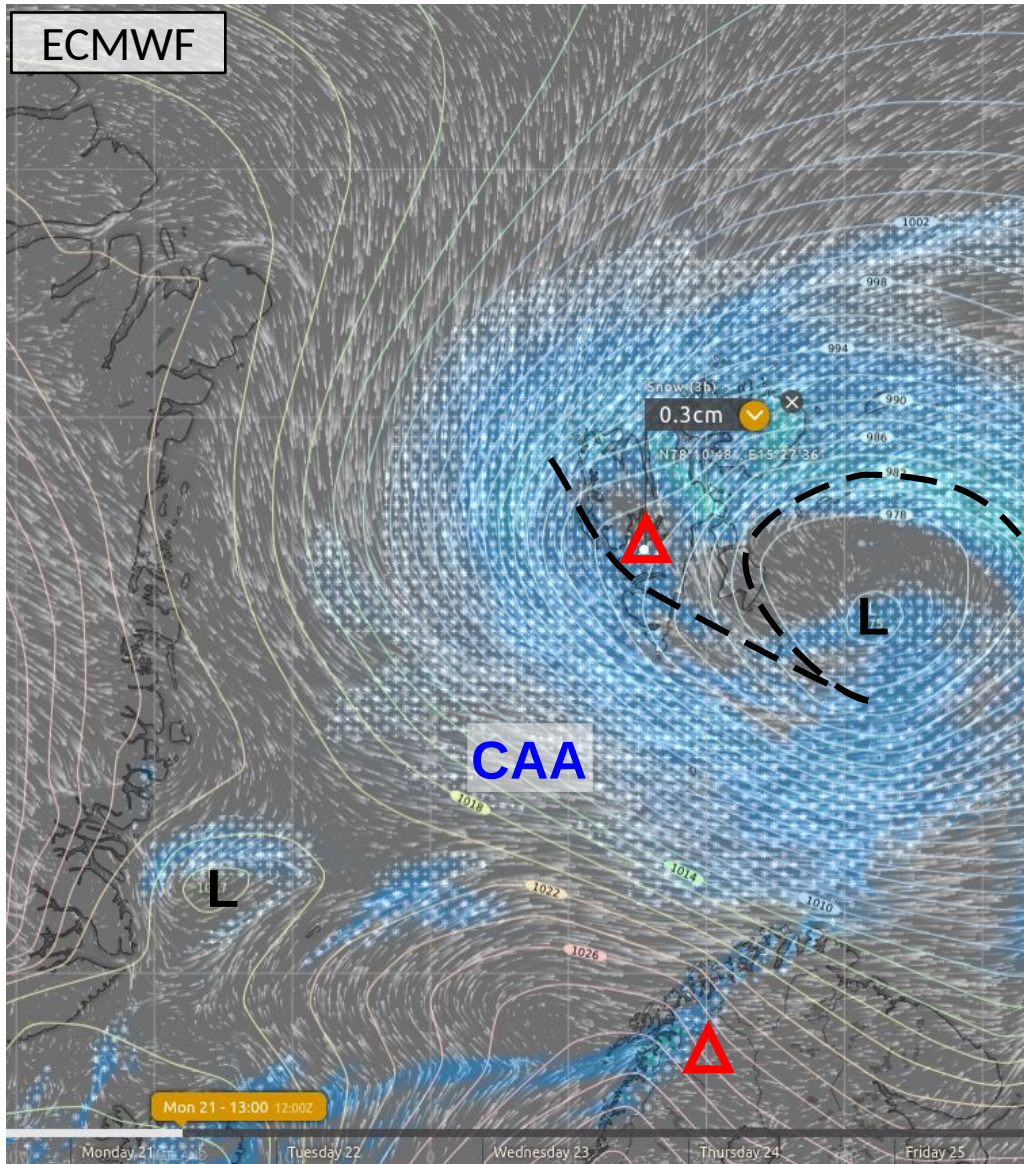
Sunday, 2022-03-20 09 UTC



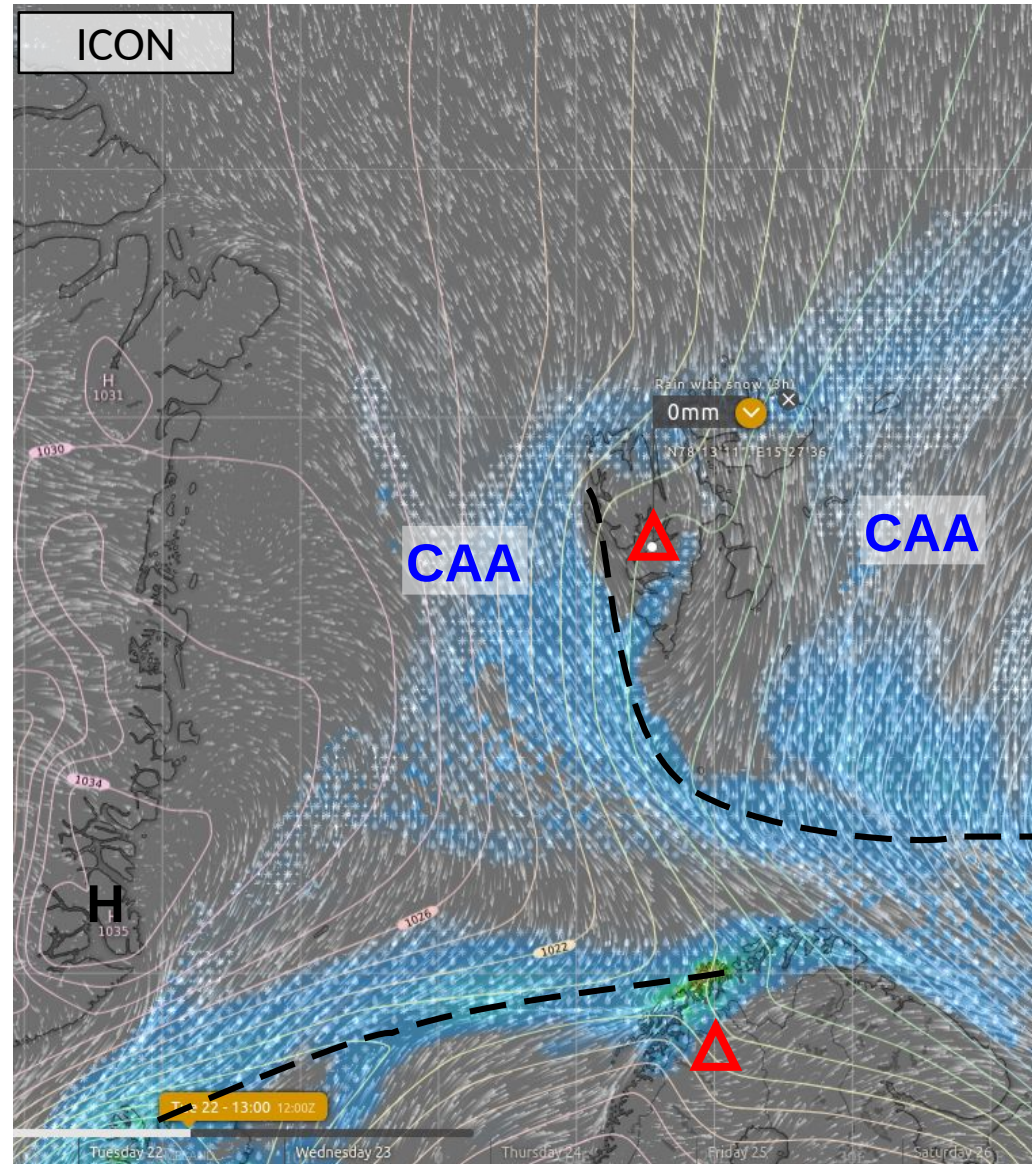
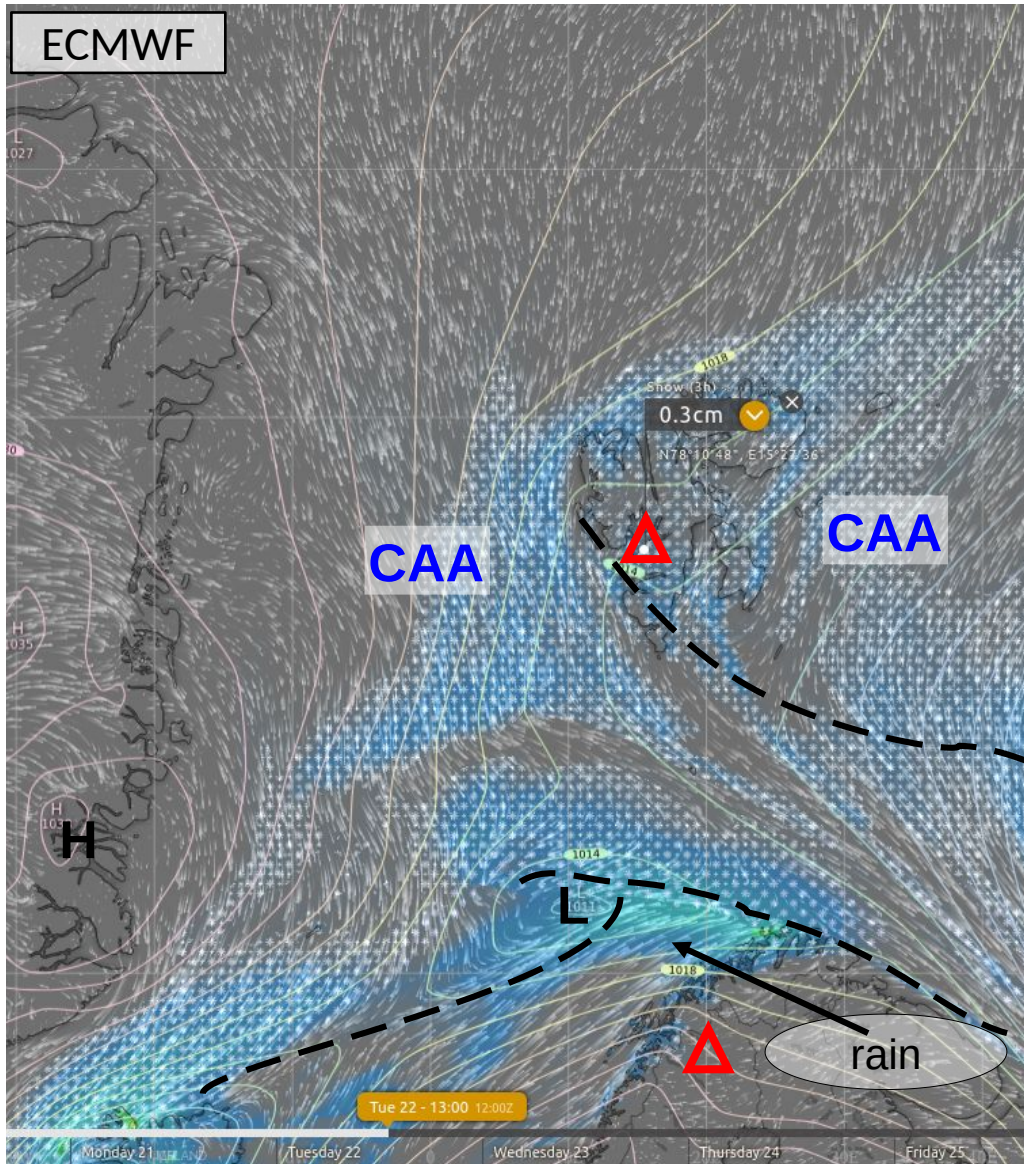
Sunday, 2022-03-20 15 UTC

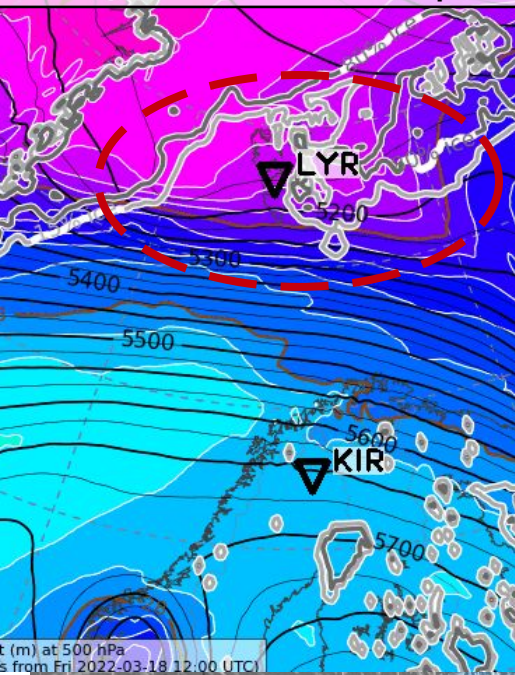


Monday, 2022-03-21 12 UTC

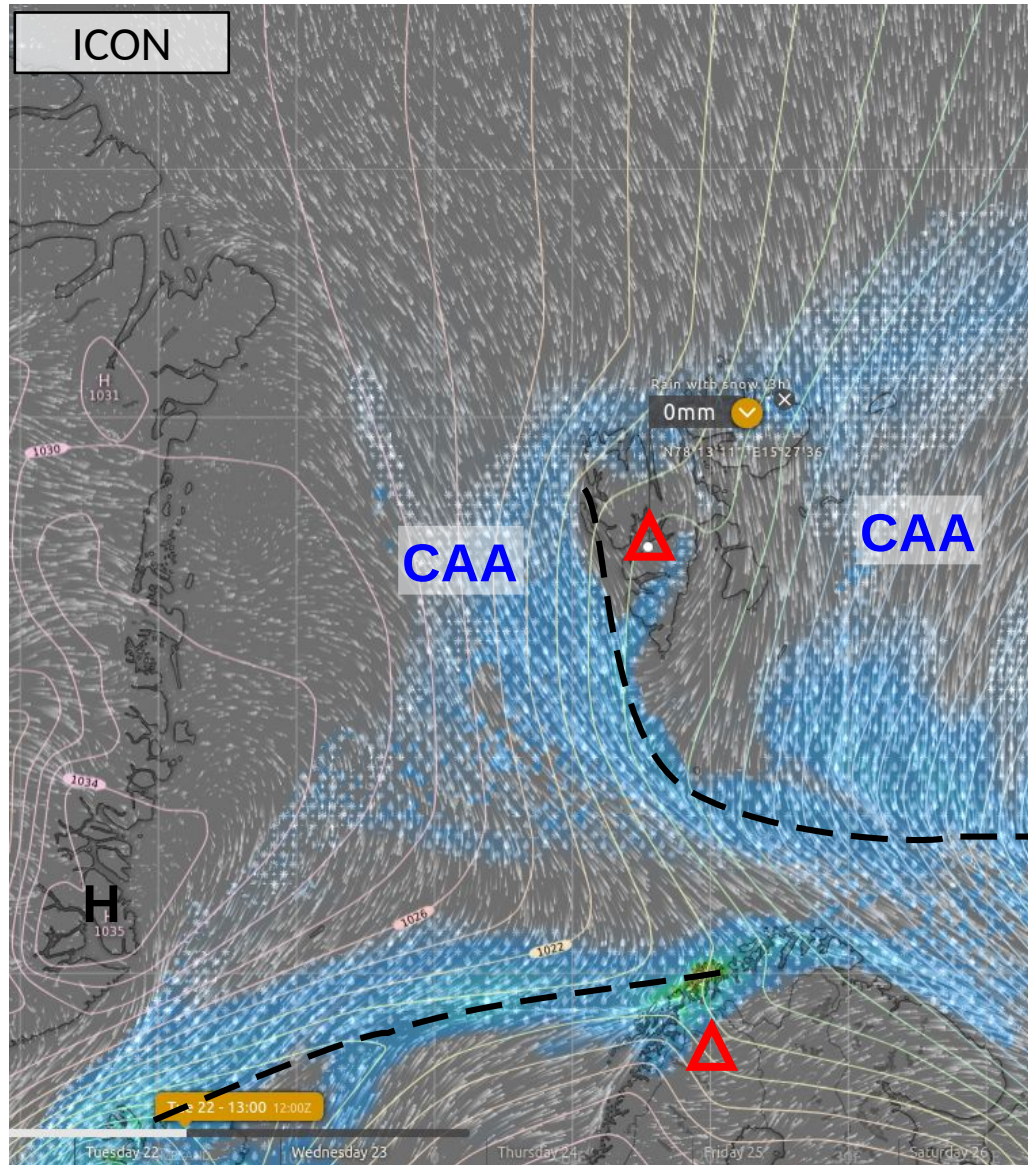
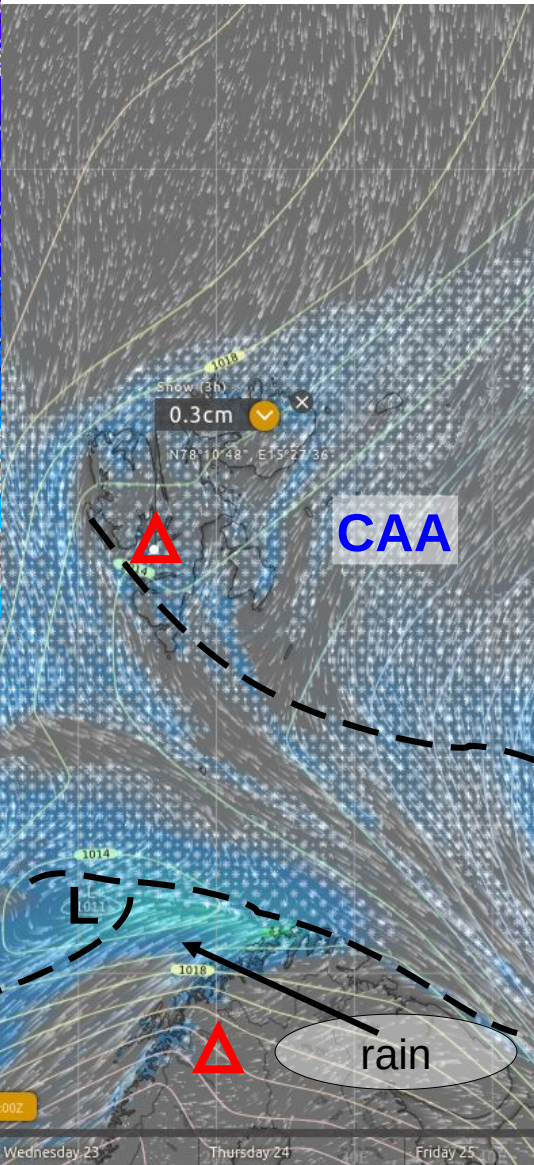


Tuesday, 2022-03-22 12 UTC



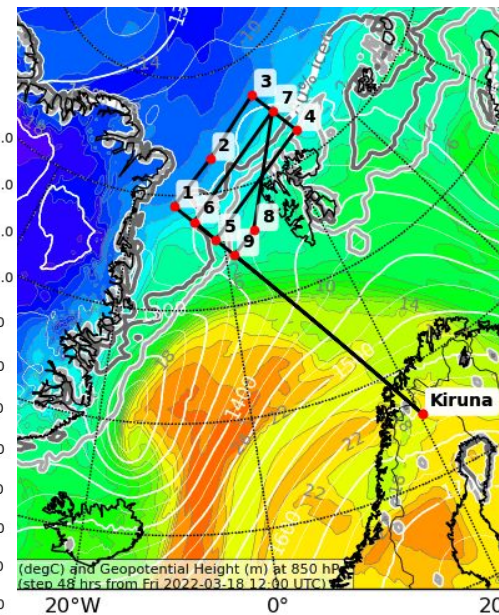
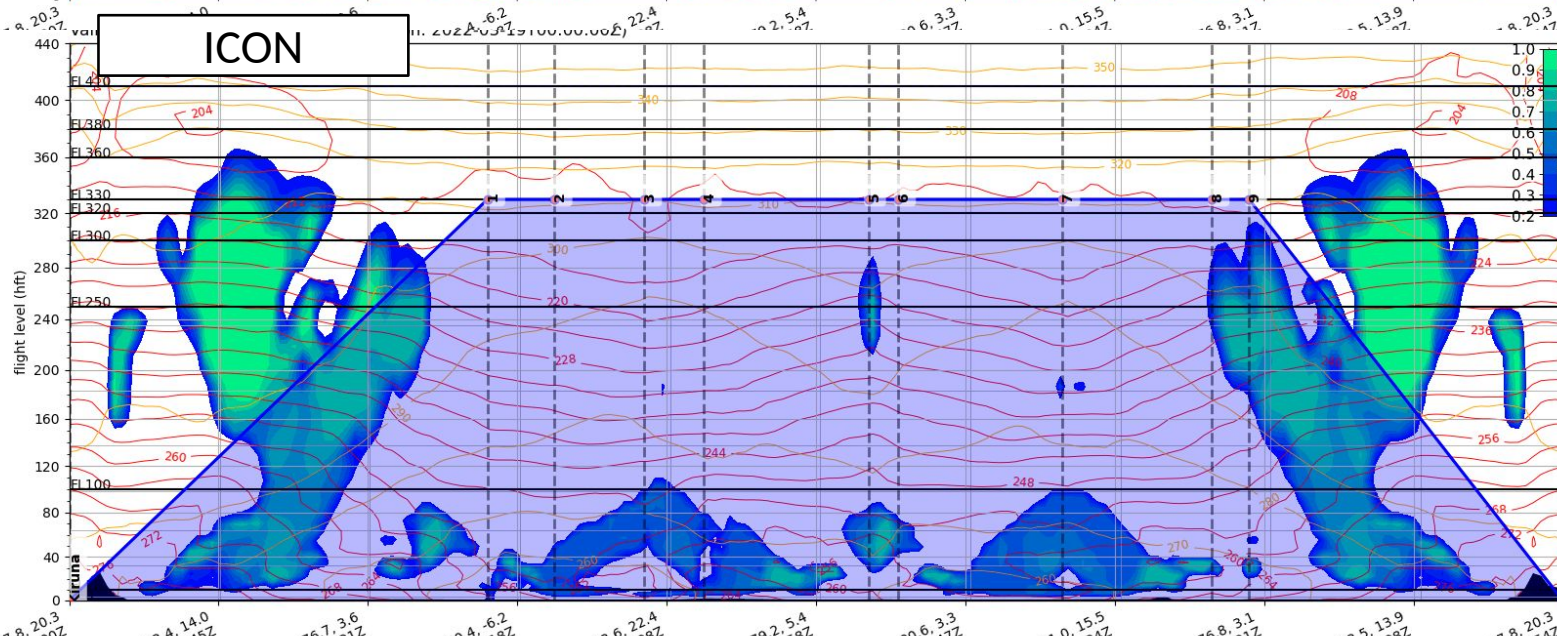
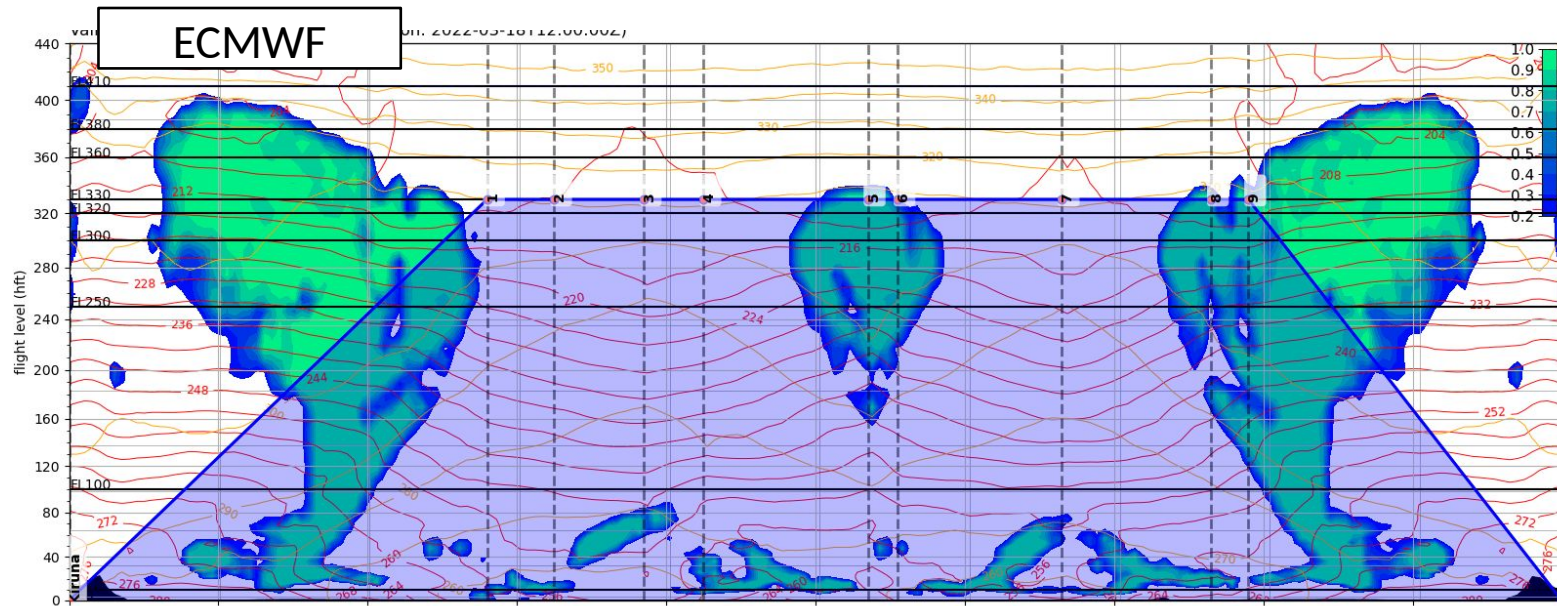


Geopotential (m) at 500 hPa
Temperature (C) from Fri 2022-03-18 12:00 UTC

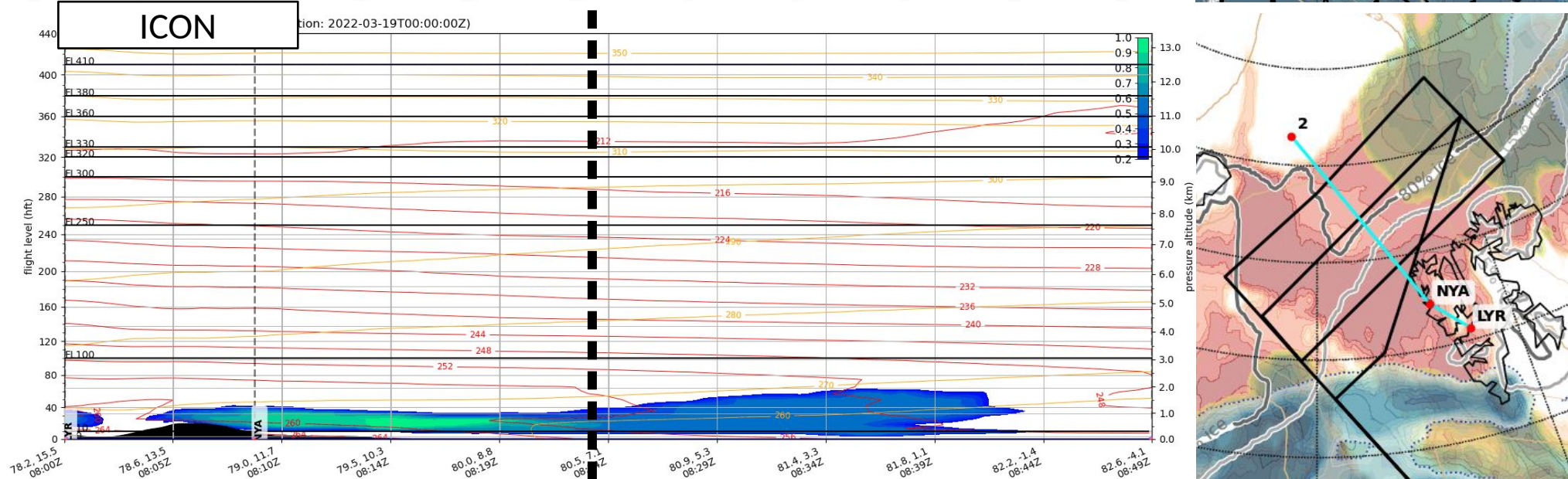
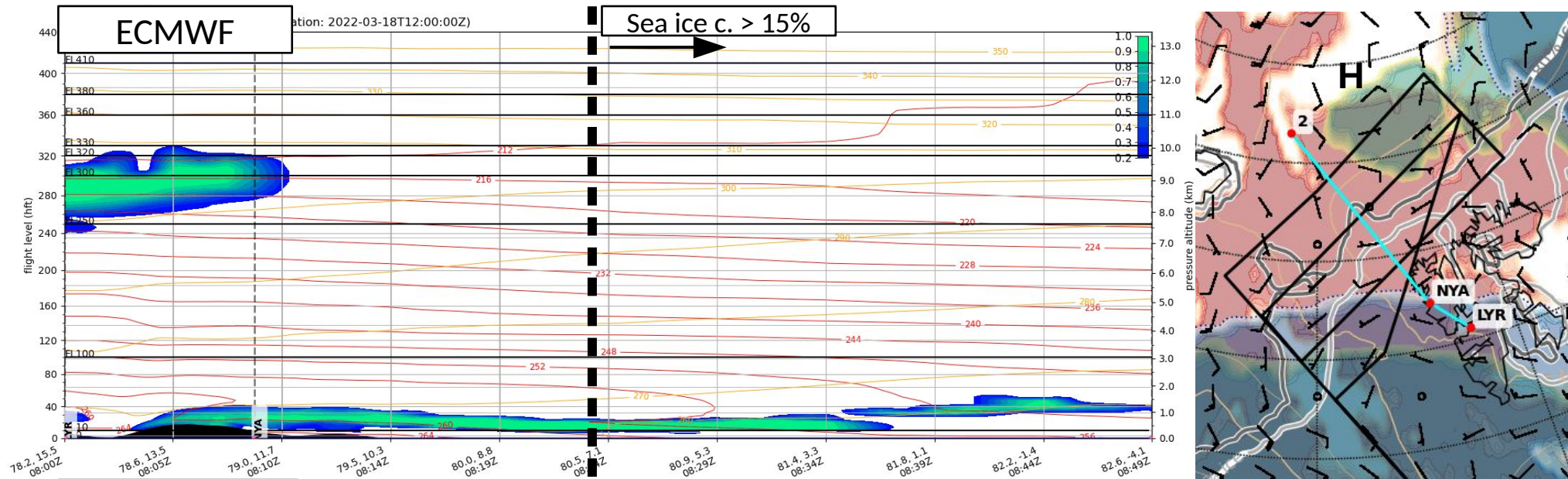


Clouds & cloud cross-sections for Sunday, 2022-03-20
2022-03-18 12 UTC, 2022-03-19 00 UTC, 2022-03-18 00 UTC
ECMWF, ICON & NWP

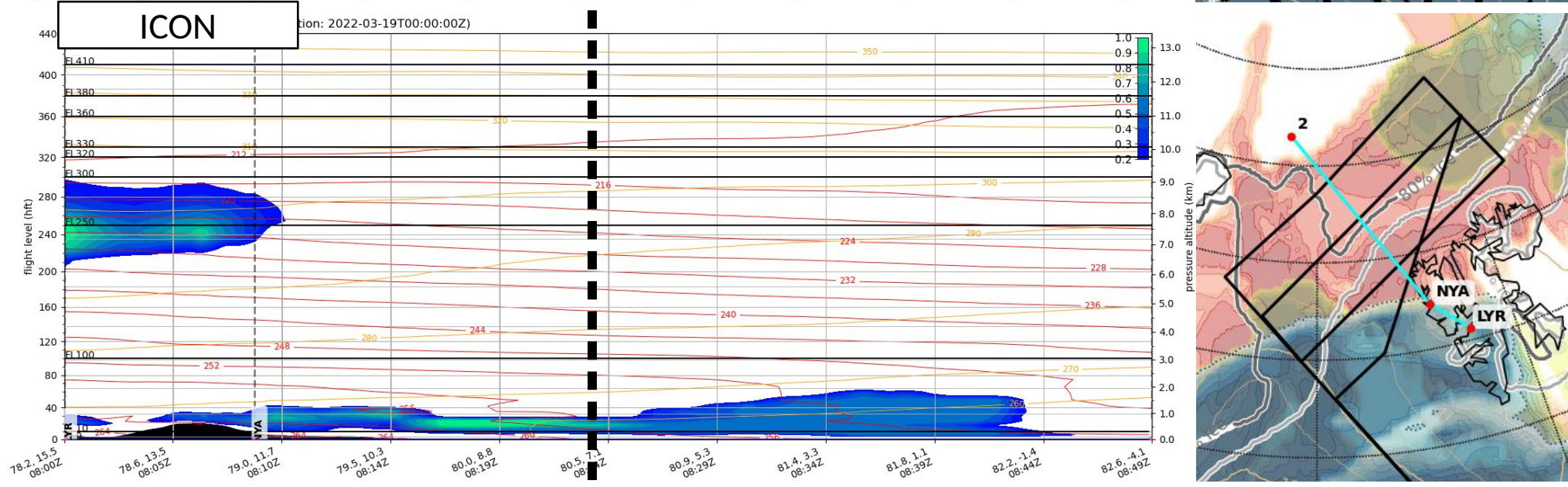
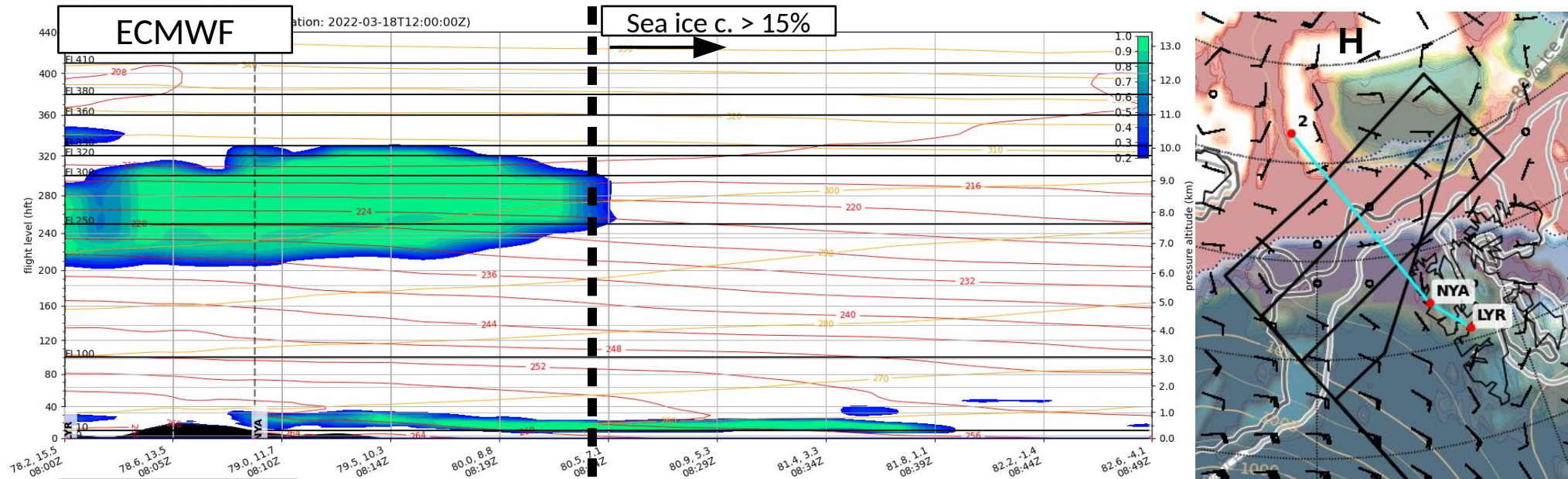
Sun, 2022-03-20, Clouds, 12 UTC



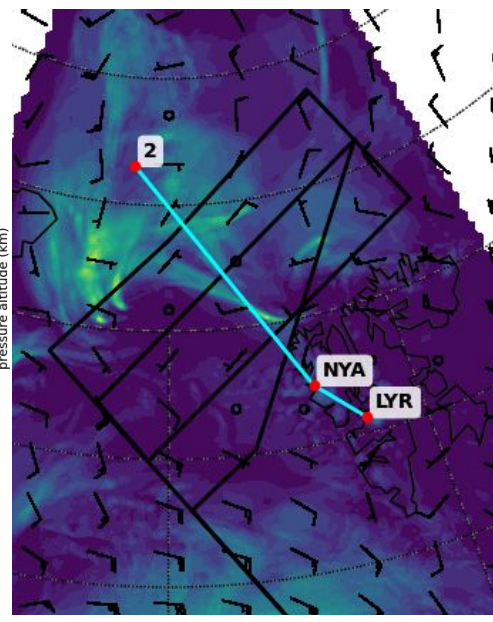
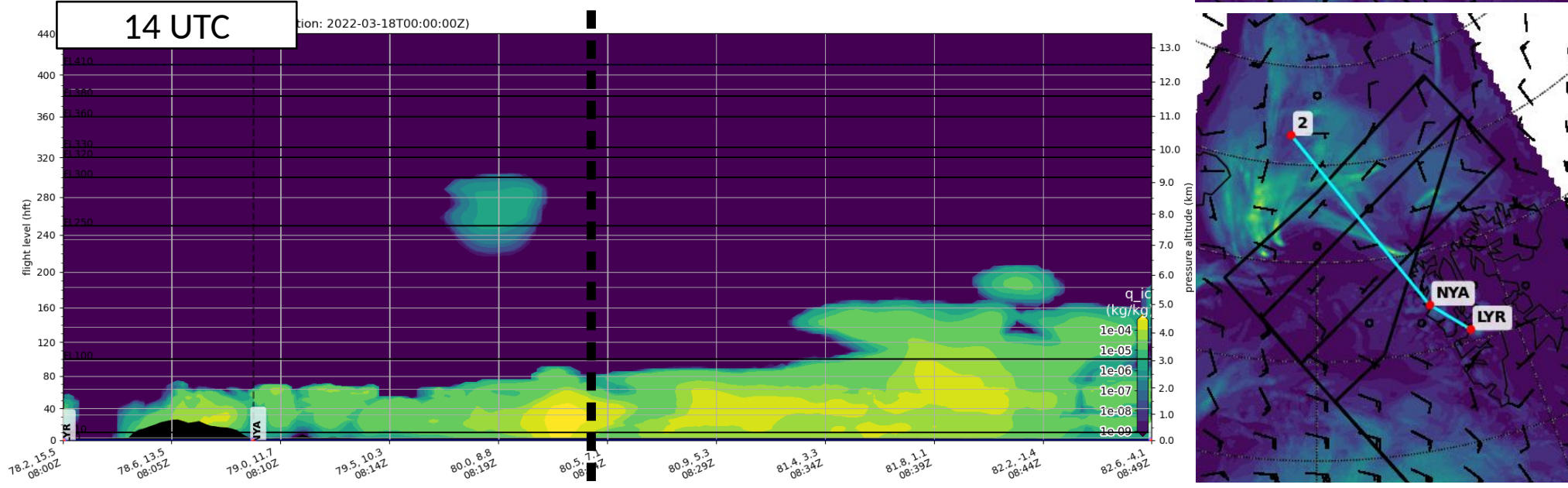
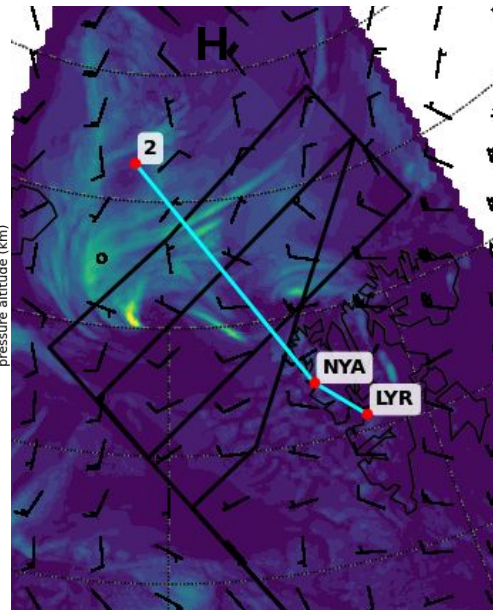
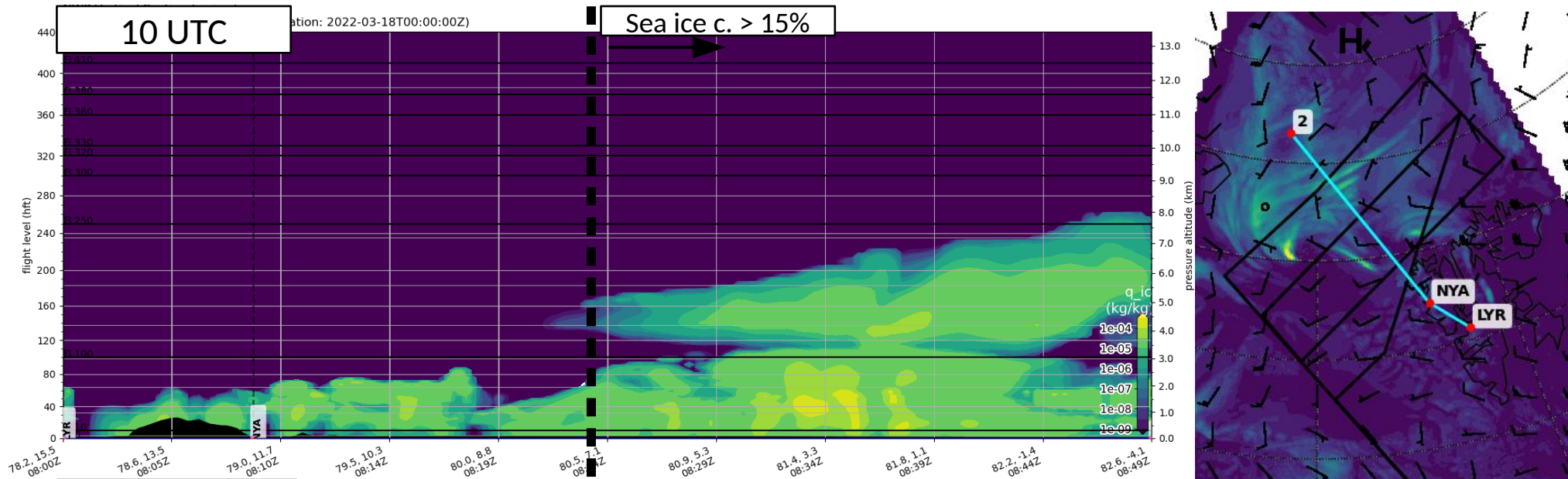
Sun, 2022-03-20, Clouds, 10 UTC



Sun, 2022-03-20, Clouds, 14 UTC

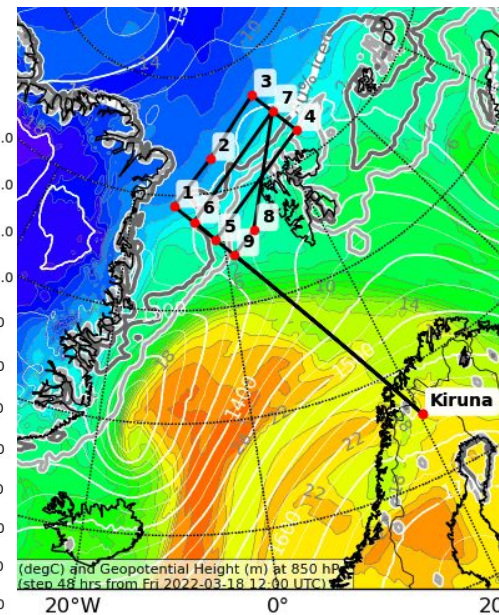
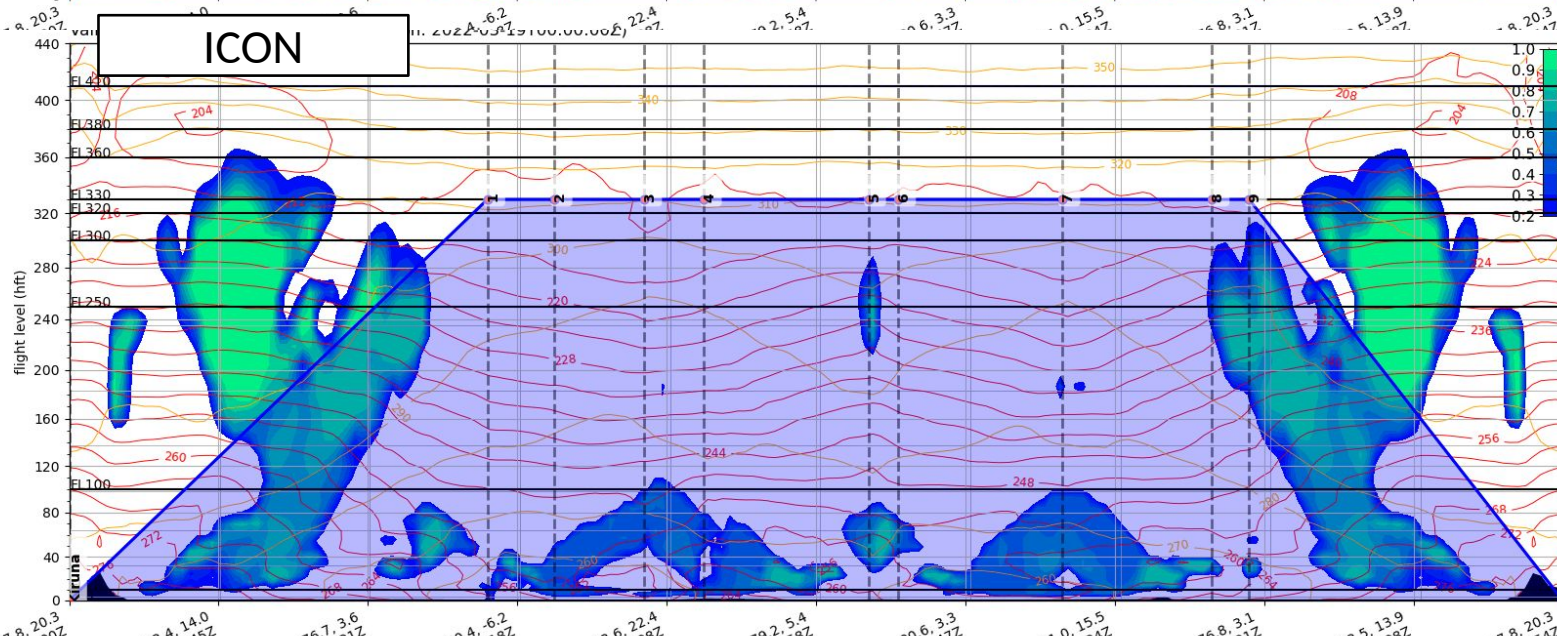
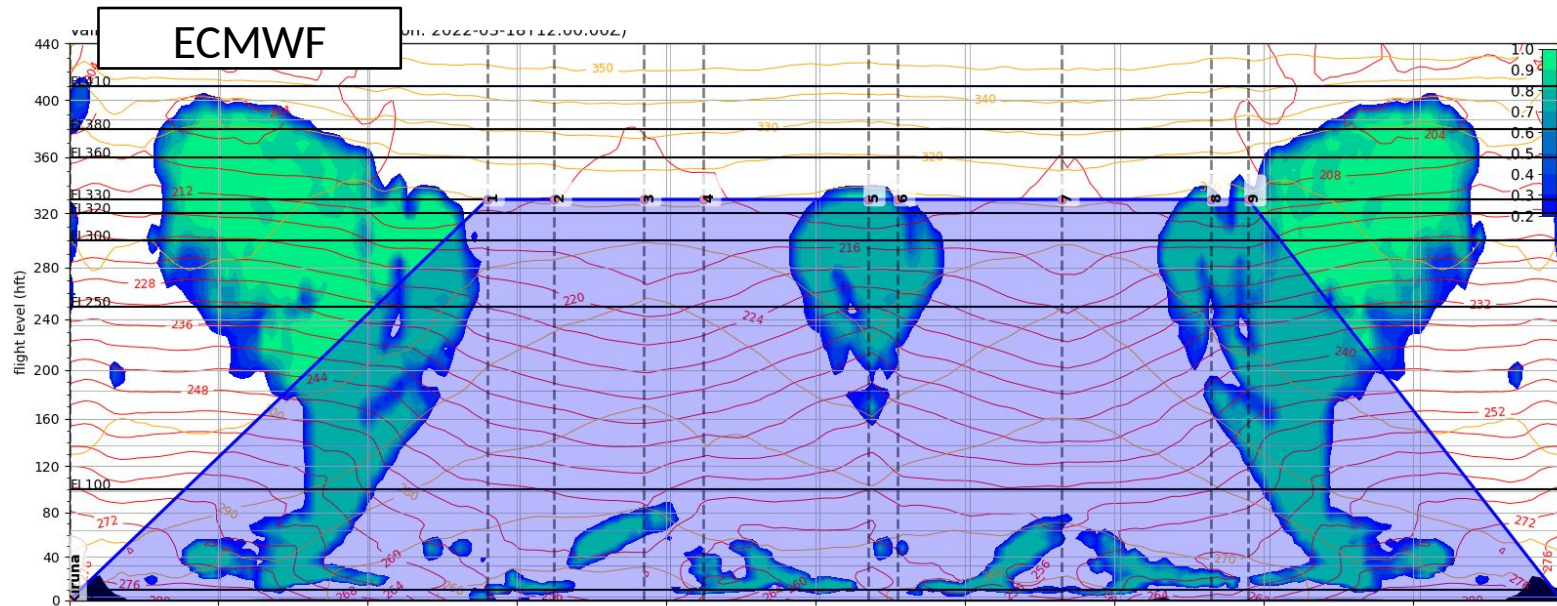


Sun, 2022-03-20, Cloud ice, 10 & 14 UTC

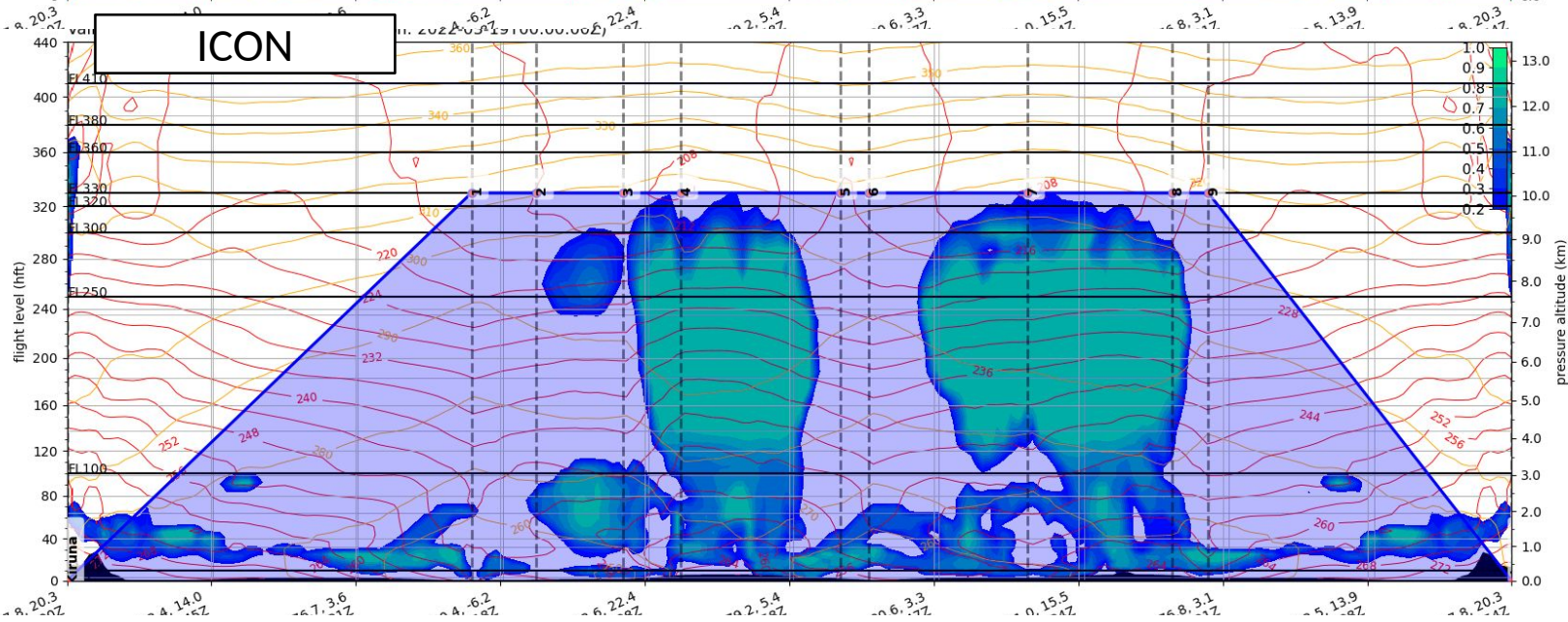
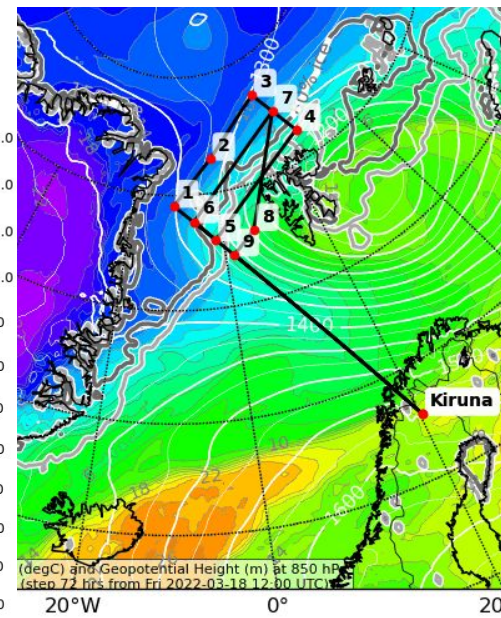
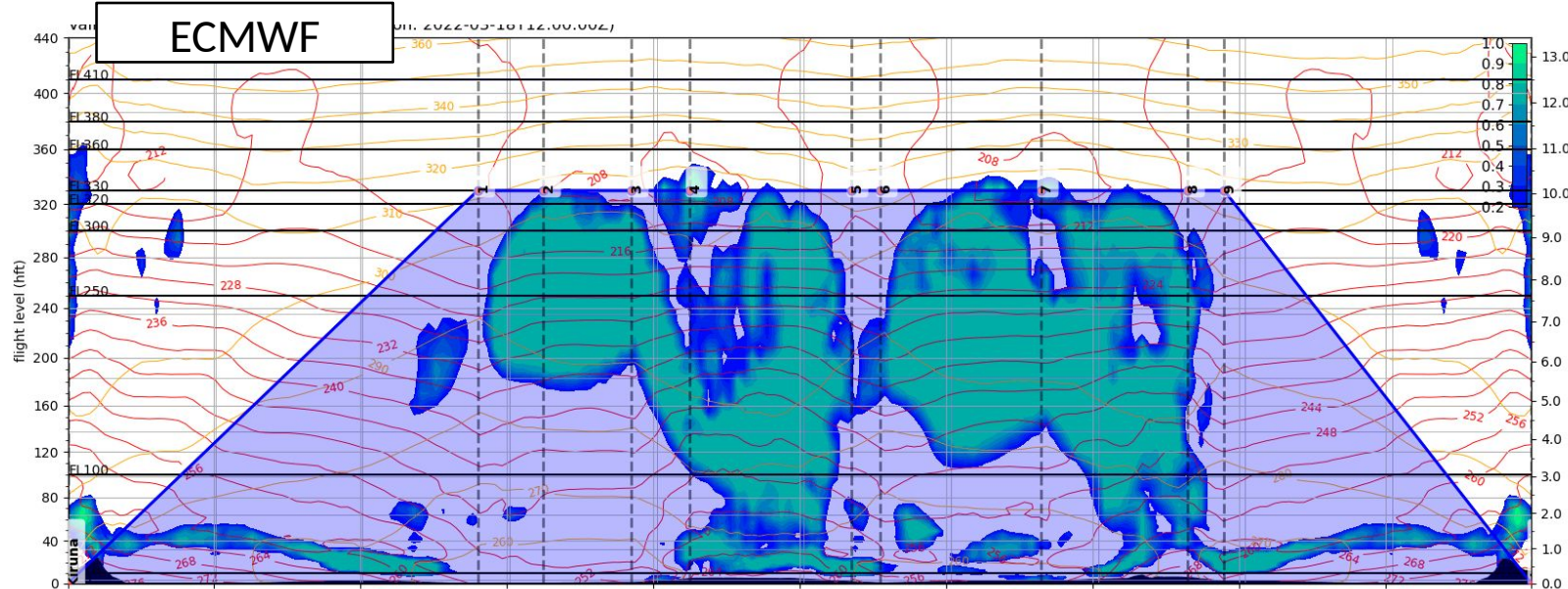


Cloud cross-sections for flight track HALO RF07, Sun - Tue
2022-03-18 12 UTC & 2022-03-19 00 UTC
ECMWF & ICON

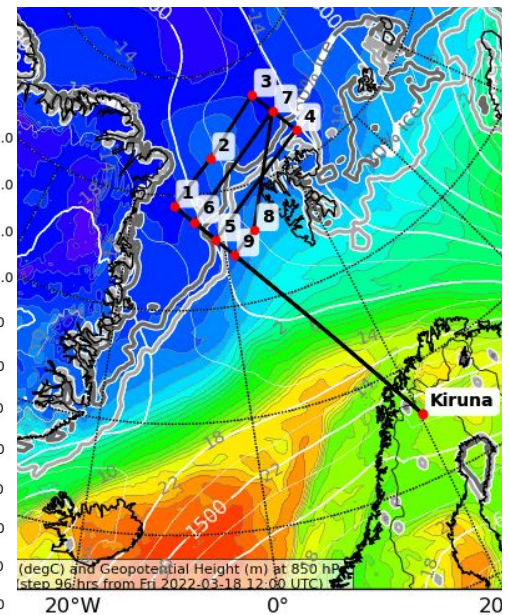
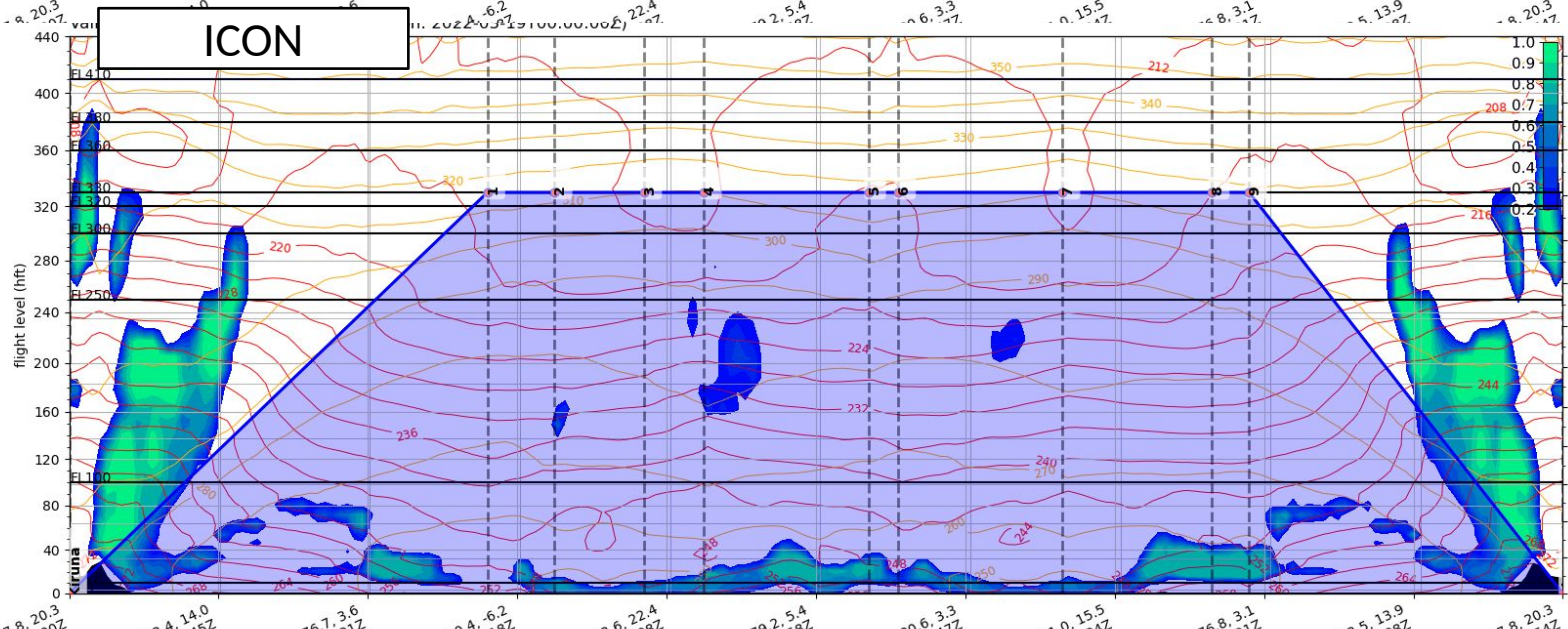
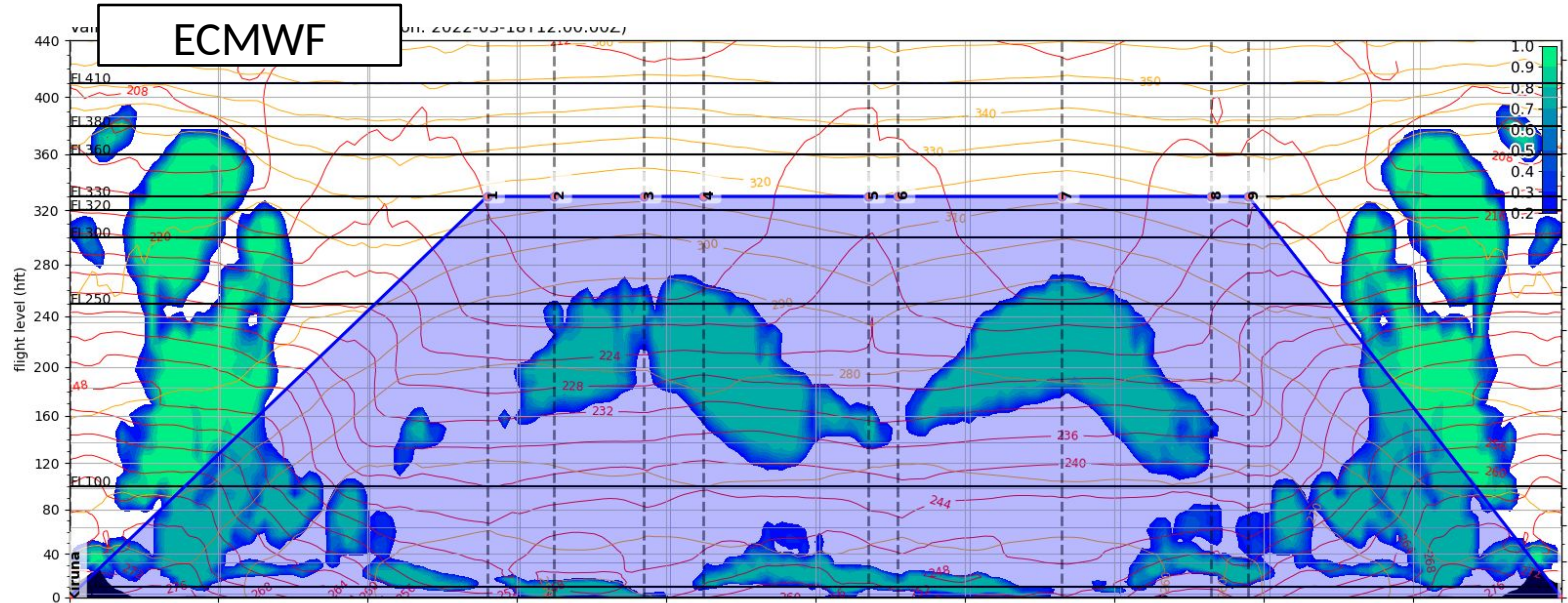
Sun, 2022-03-20, Clouds, 12 UTC



Mon, 2022-03-21, Clouds, 12 UTC

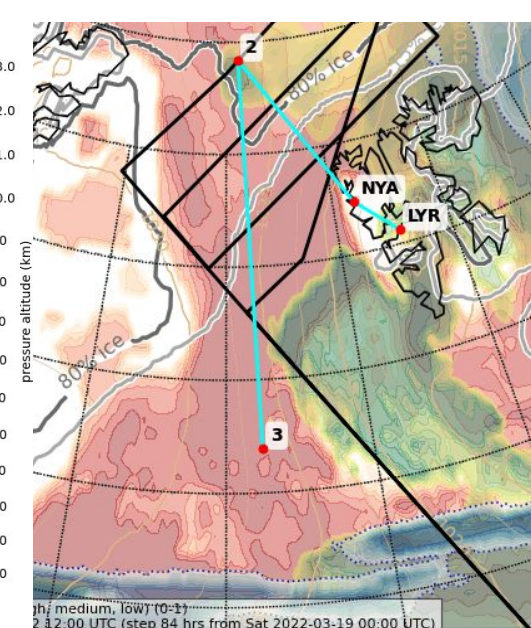
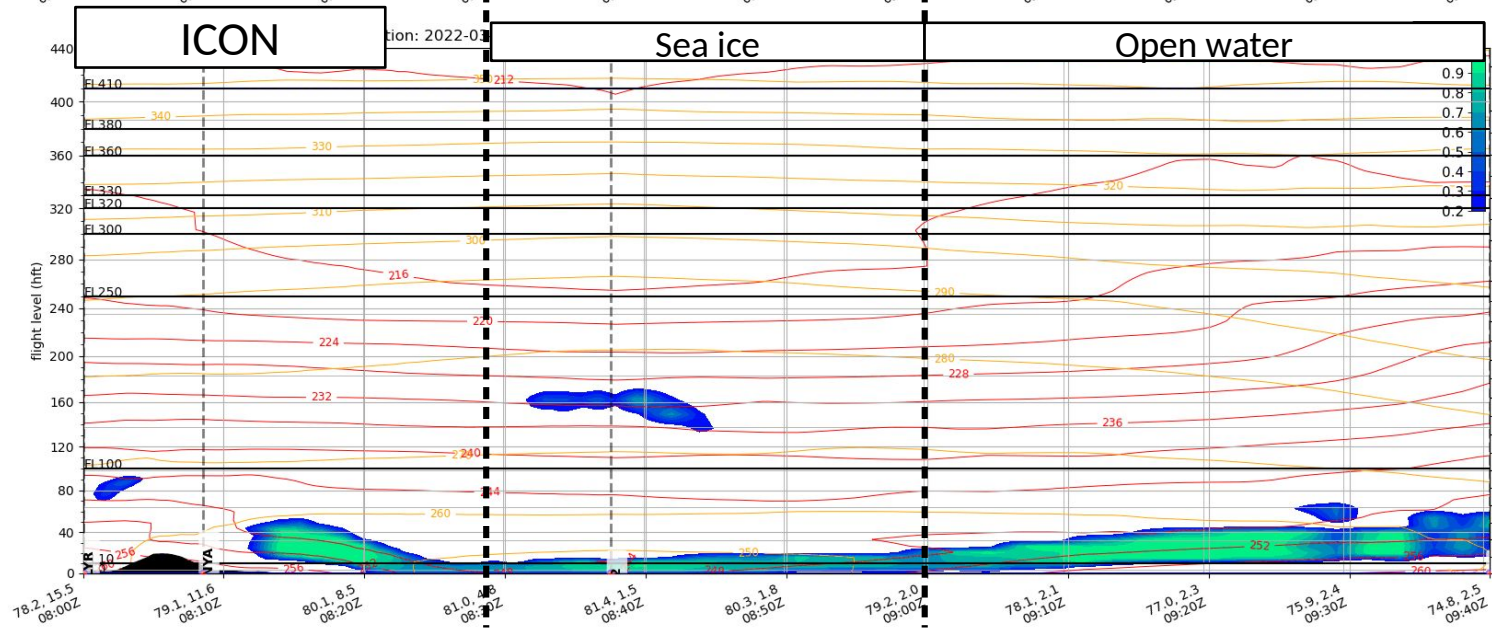
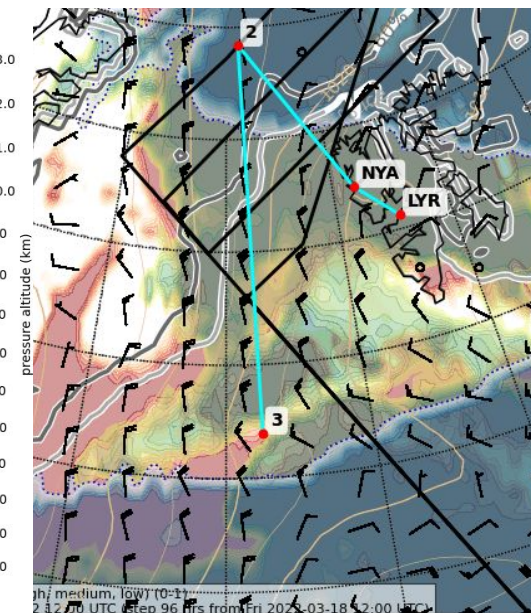
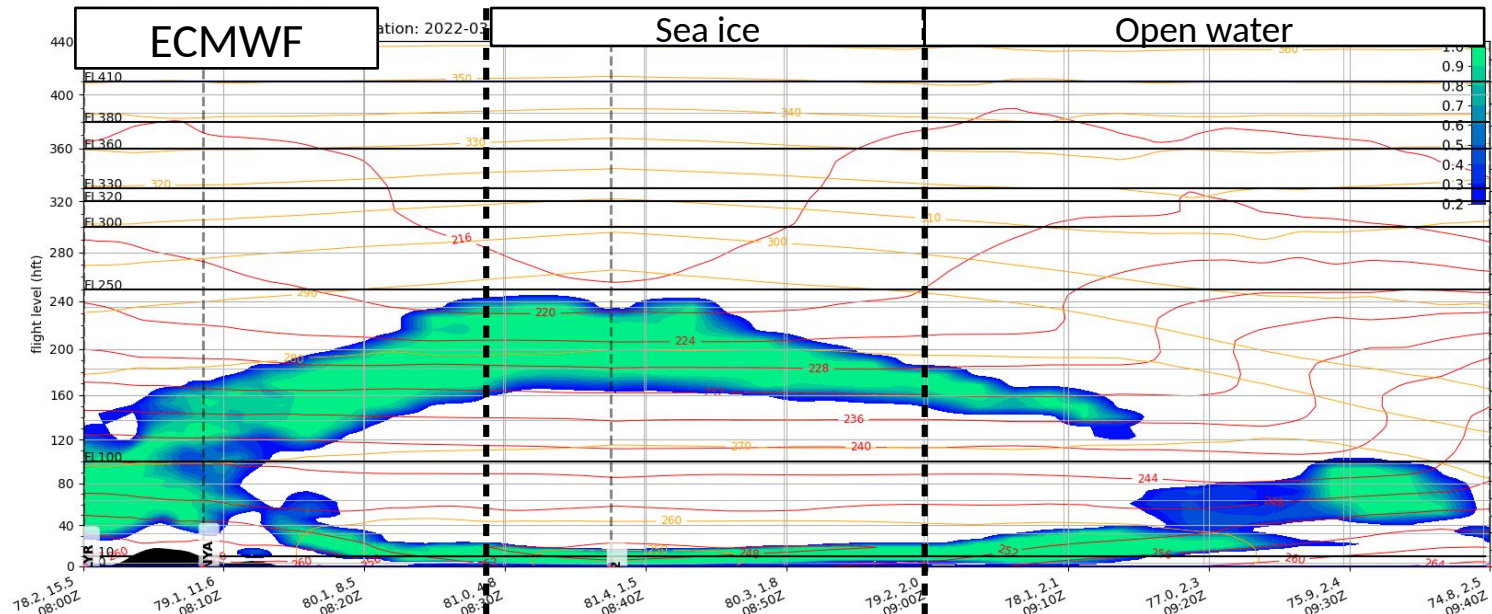


Tue, 2022-03-22, Clouds, 12 UTC

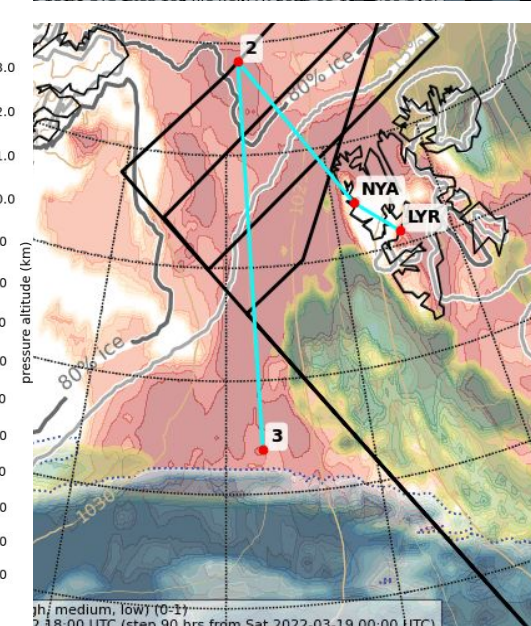
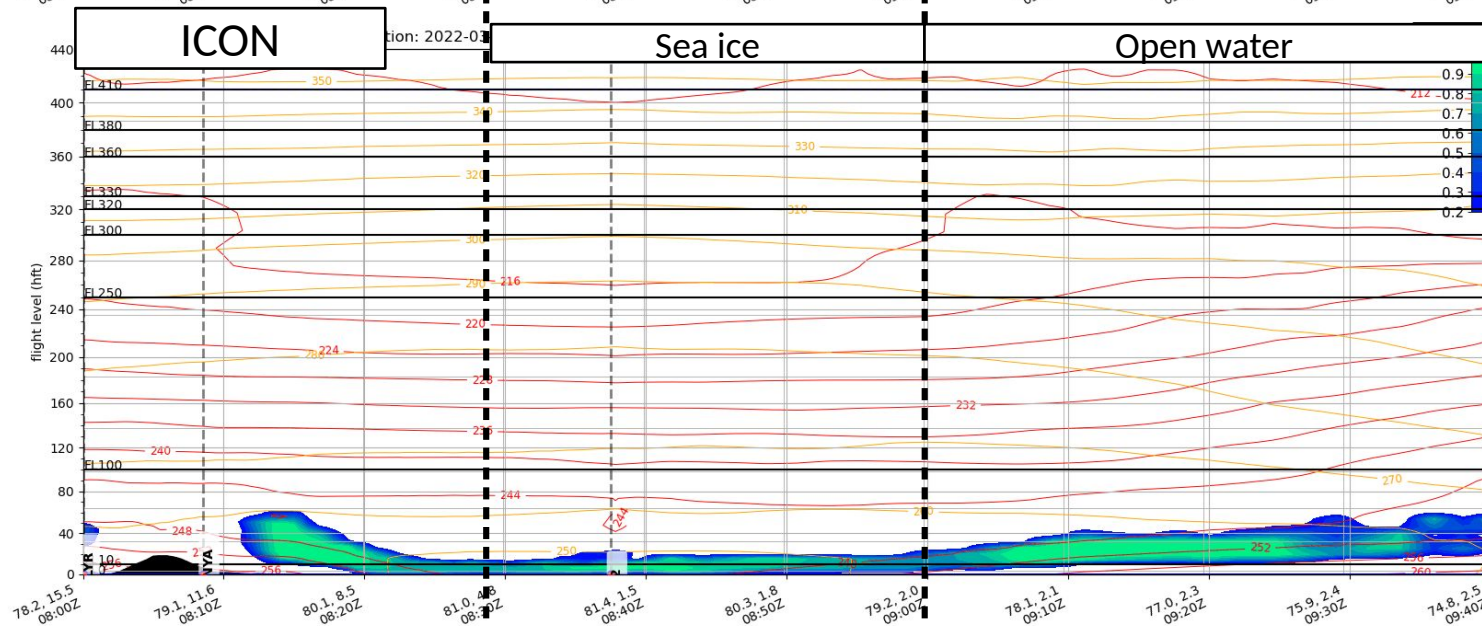
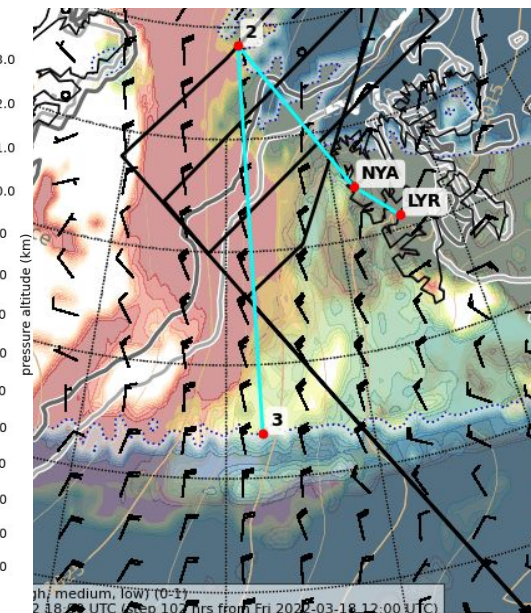
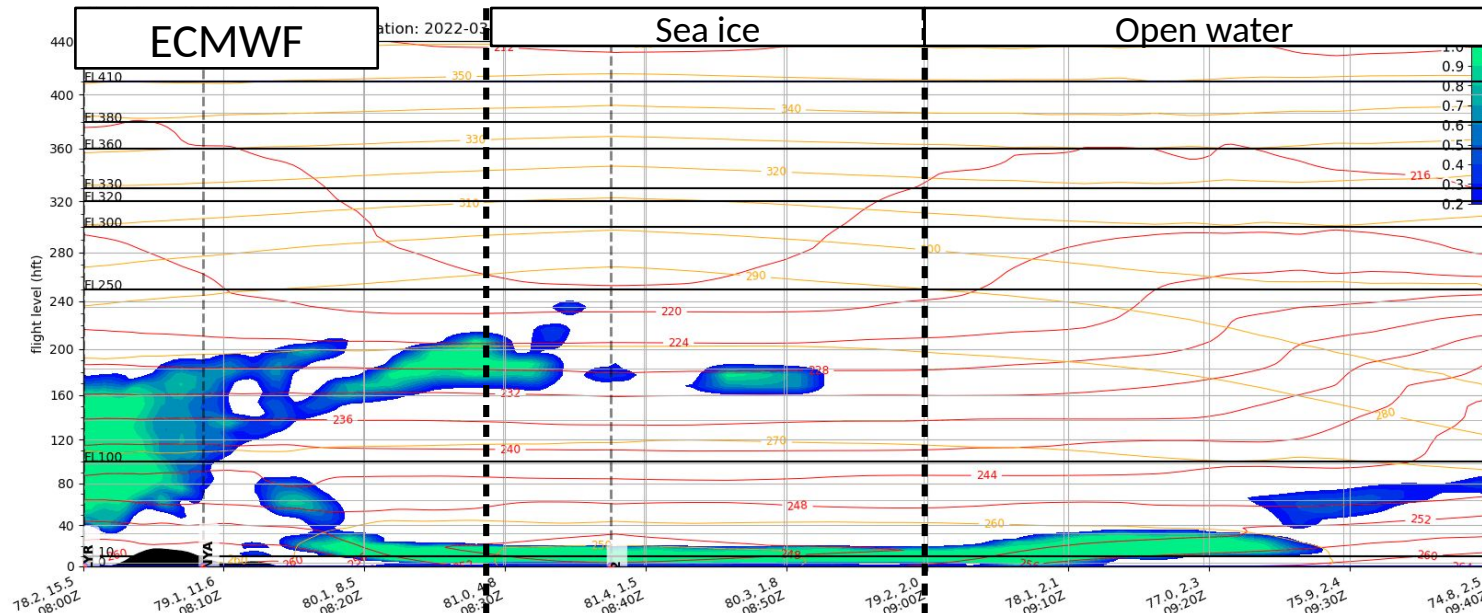


Cloud cross-sections for CAO situation on Tuesday
2022-03-18 12 UTC & 2022-03-19 00 UTC
ECMWF & ICON

Tue, 2022-03-22, Clouds, 12 UTC

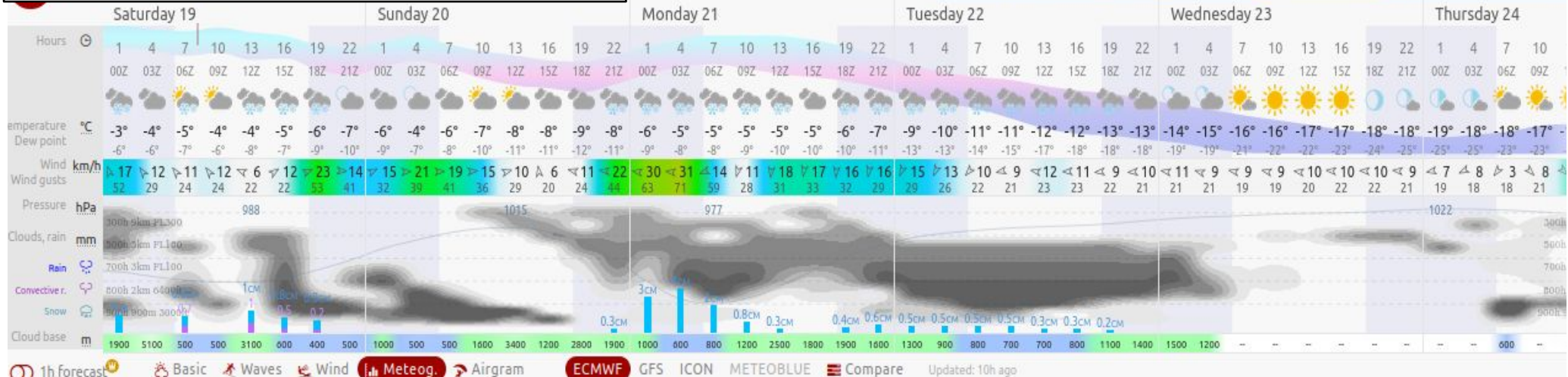


Tue, 2022-03-22, Clouds, 18 UTC

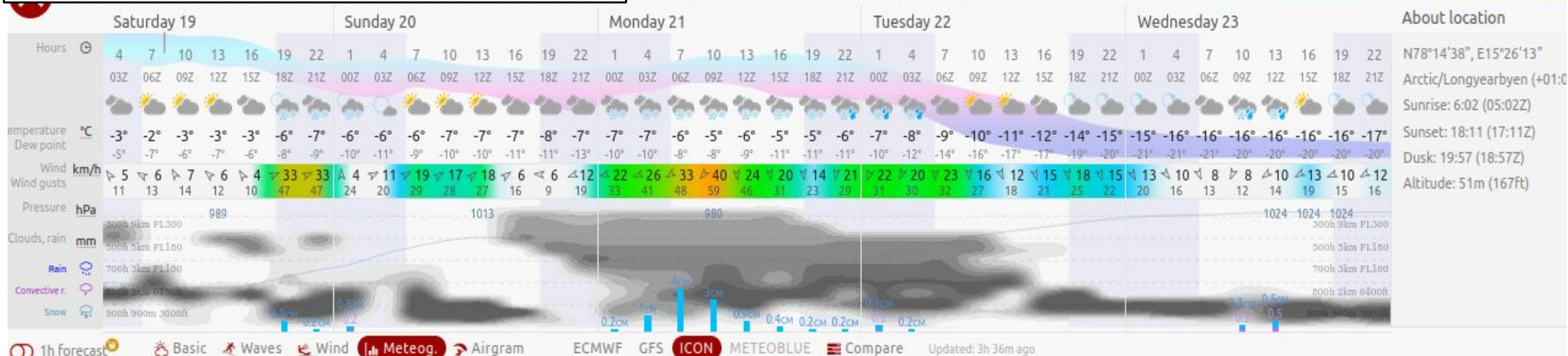


Meteograms: Longyearbyen

ECWMF



ICON



Summary

Summary: Weather Update 2022-03-19, 09:00 LT

- **Saturday, 2022-03-19:**
 - TAF: Snow fall, snow pellets or small hail together with wind more and more from SW to be expected
- **Sunday, 2022-03-20:**
 - Overall, good conditions at LYR airport with only few or scattered low clouds, but snowfall might be present until morning
 - NW of Svalbard over sea ice: area with only low clouds and also small cloud free area (but cloud ice indicated there in NWP model run)
 - Cloud situation at HALO pattern not changed considerably
- **Monday, 2022-03-21:**
 - Cold air outbreak over southern Fram Strait
 - Low pressure close to Svalbard will cause a lot of precipitation over the island
- **Tuesday, 2022-03-22:**
 - Cold-air now advected also over Svalbard and rest of Fram Strait
 - Development of low-level cloud streets possible, but higher level clouds might be still there
 - Low from day before moves further to SE, but some snowfall might remain due to low-level trough over Svalbard that might get „support“ from upper-level flow