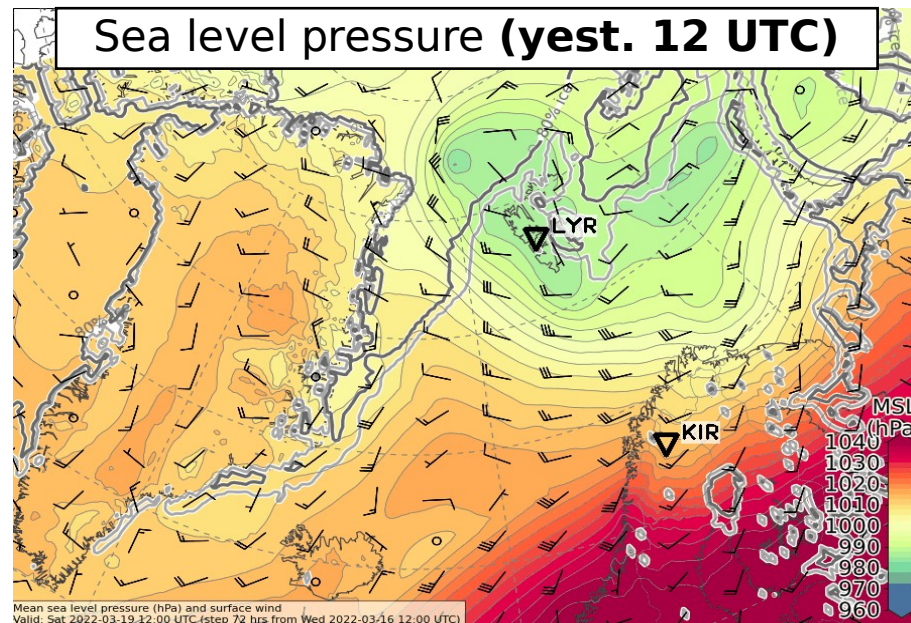
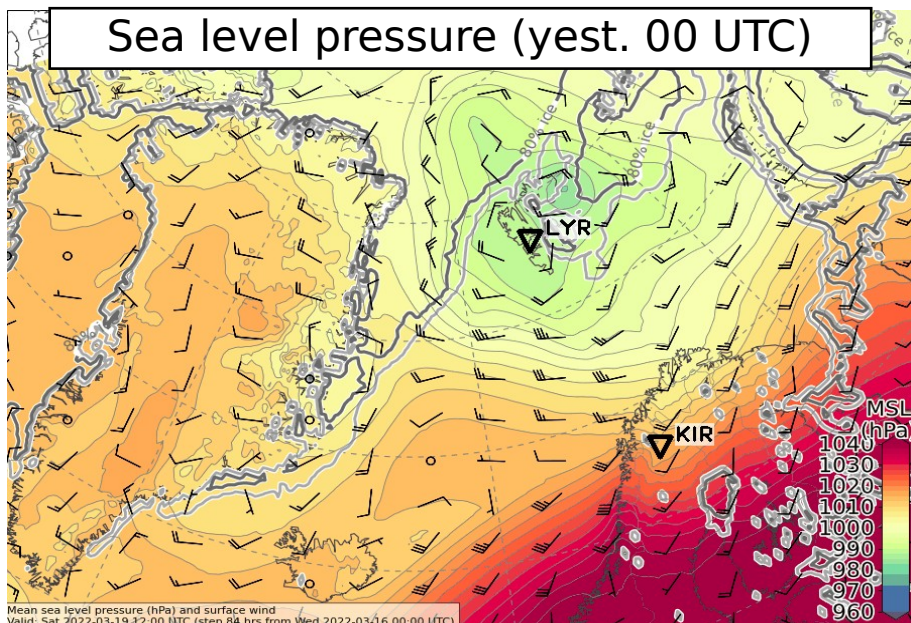
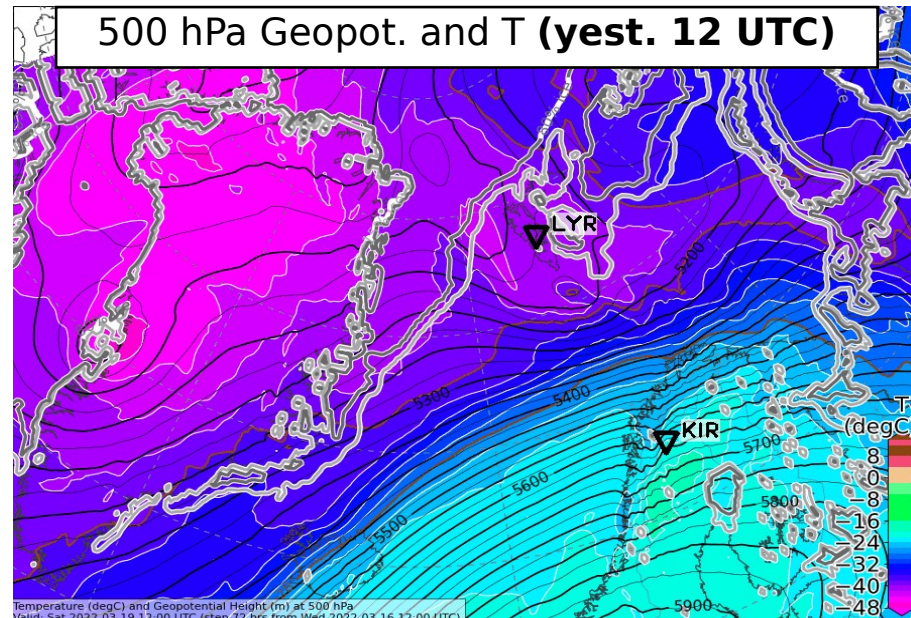
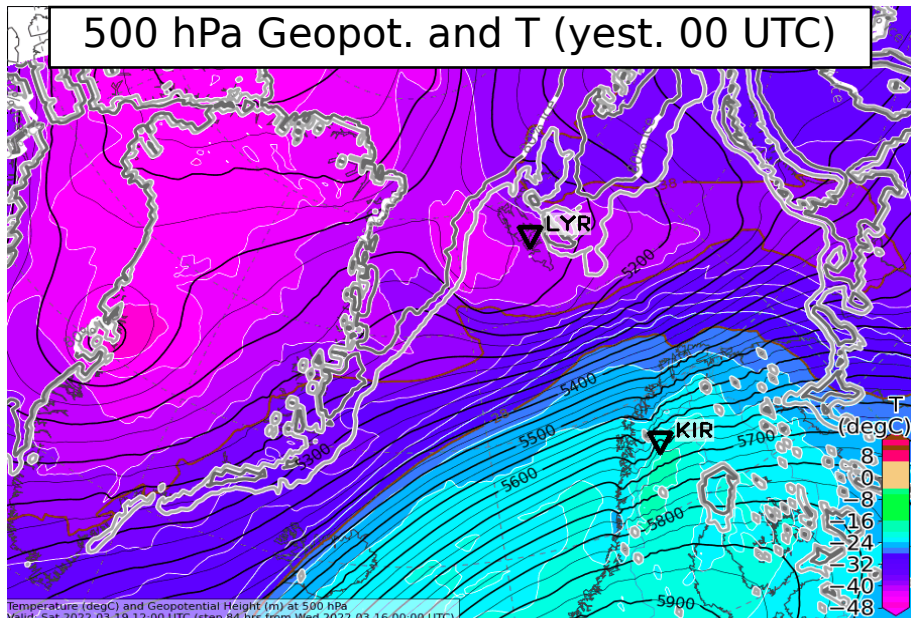


# Weather update HALO-(AC)<sup>3</sup>

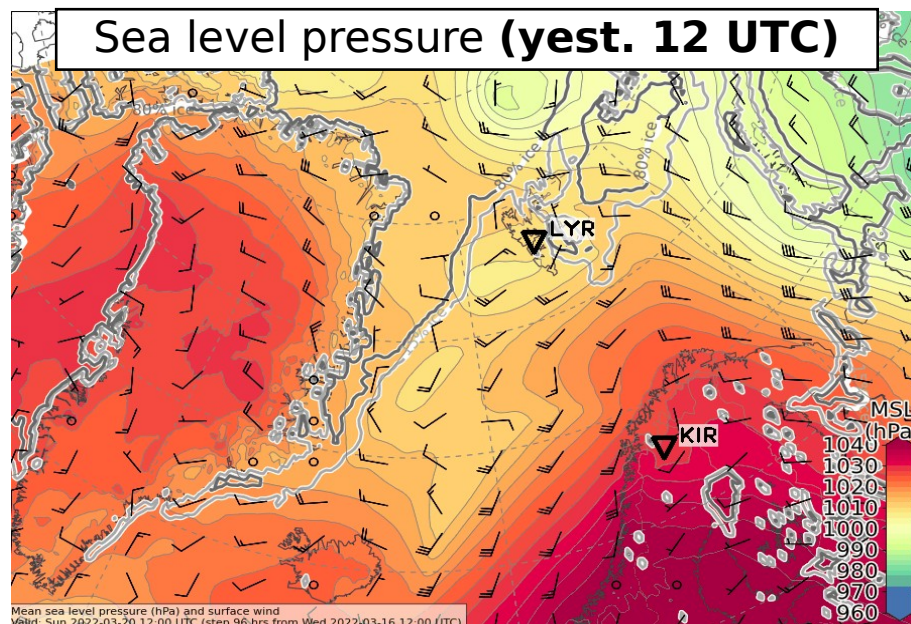
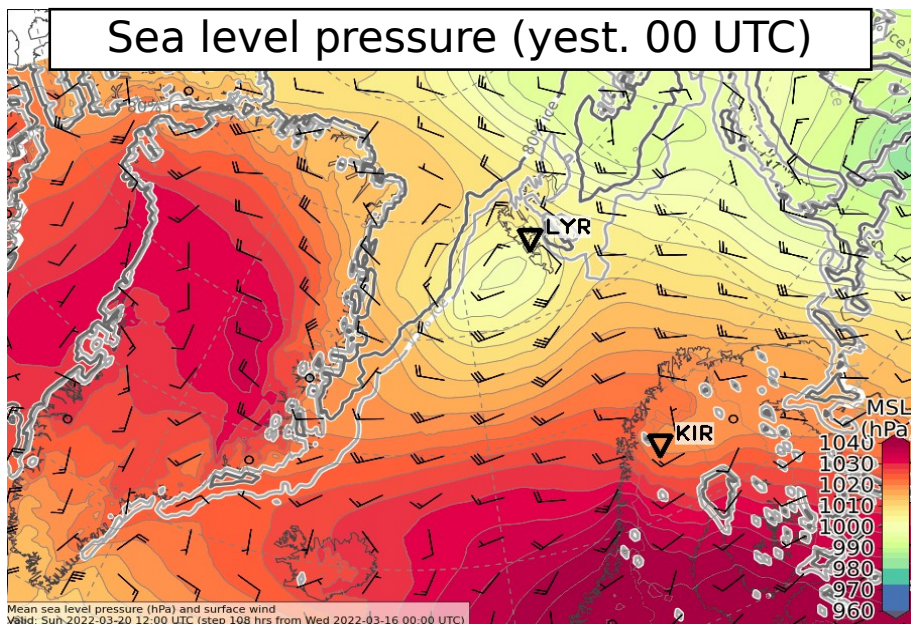
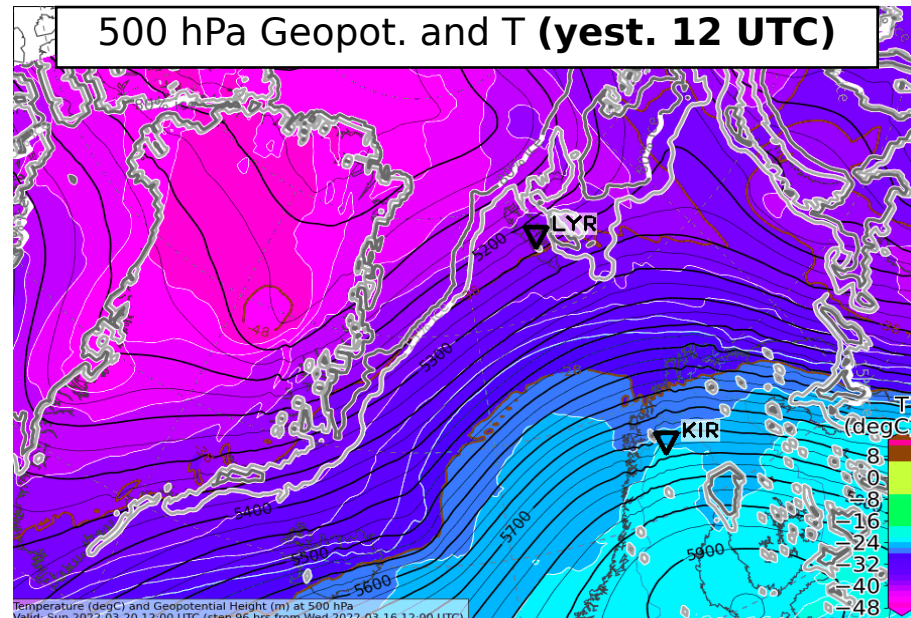
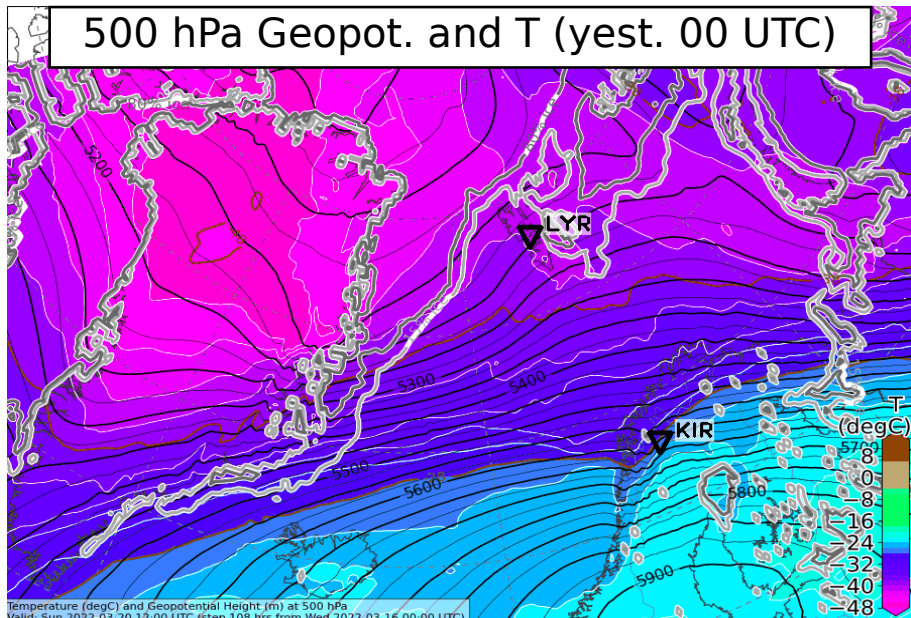
Thursday, 2022-03-17, 09:00 LT

# **Forecast comparison yesterday 00 UTC vs. 12 UTC**

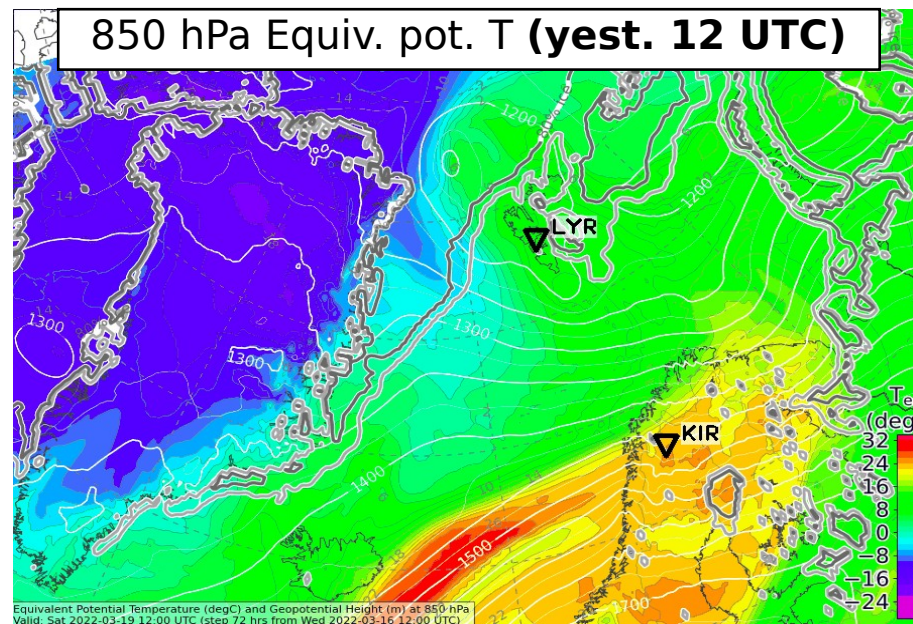
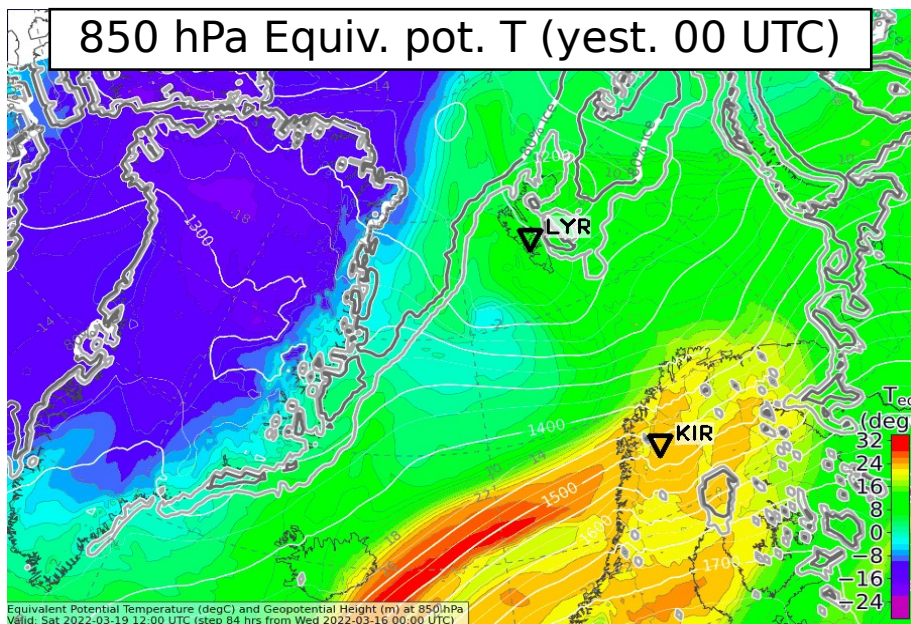
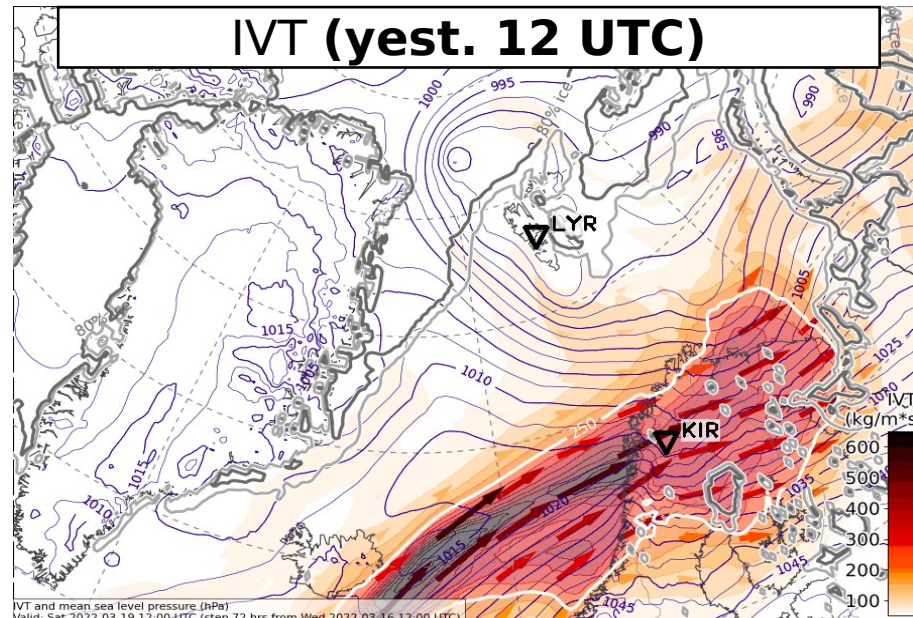
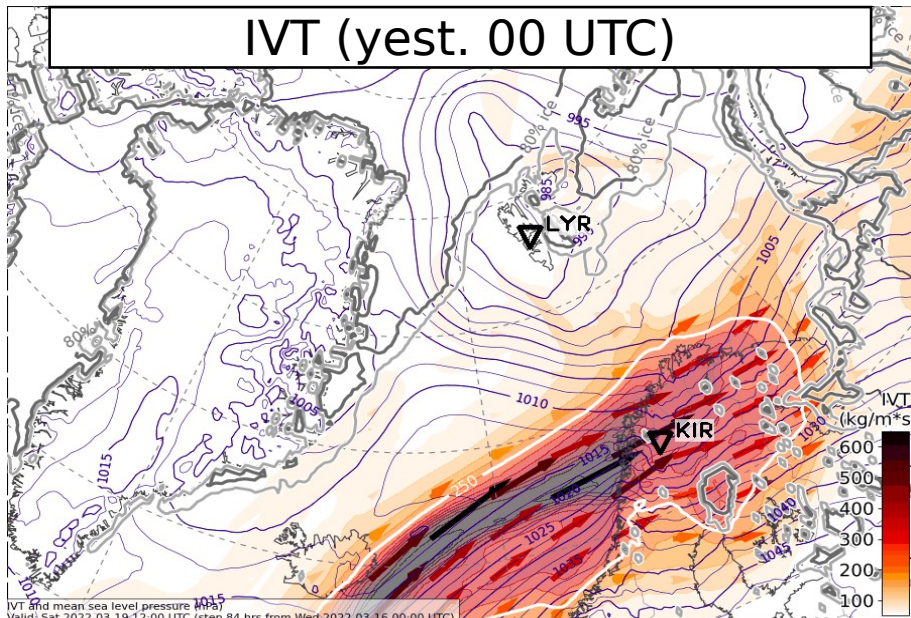
# Sat, 2022-03-19 12 UTC (+72h)



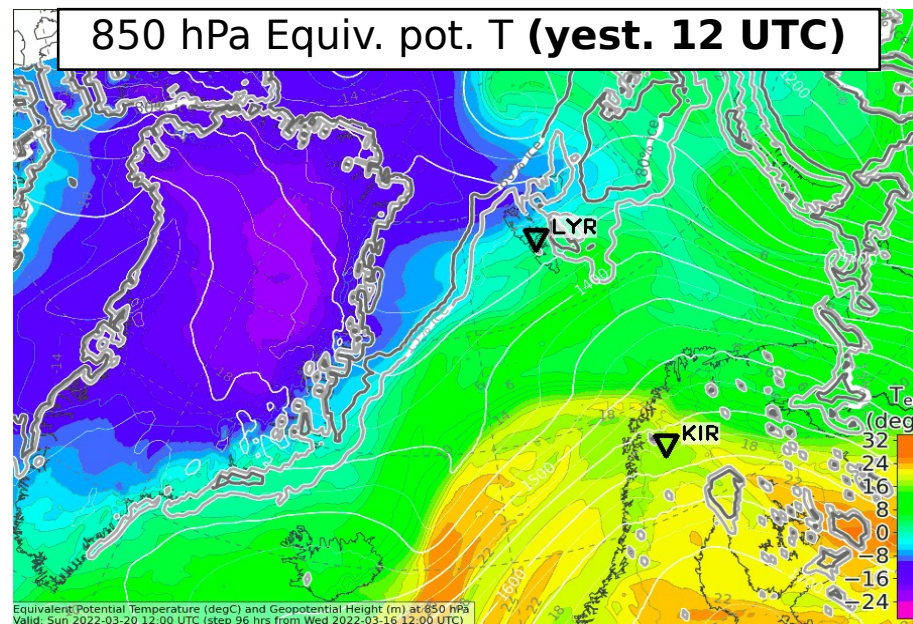
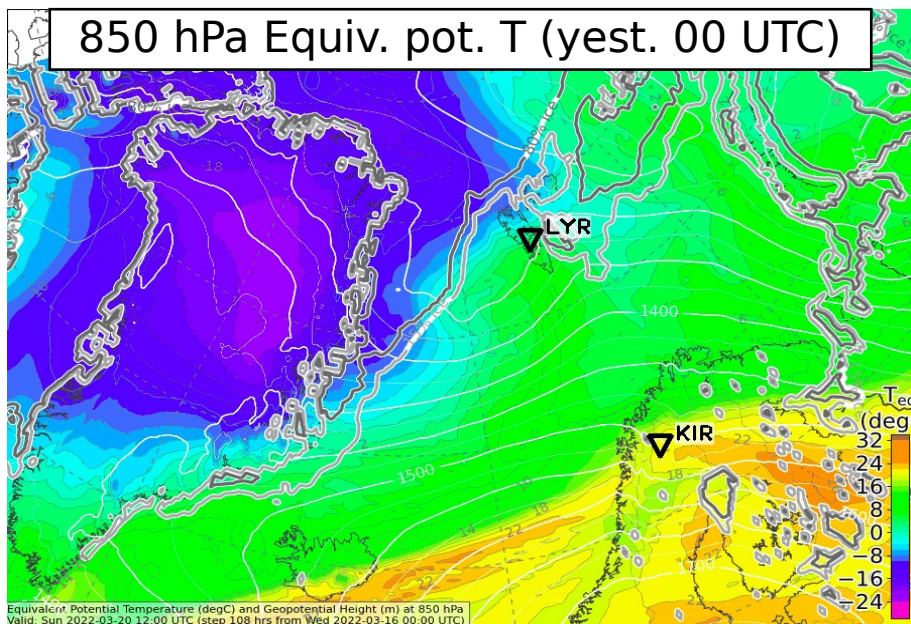
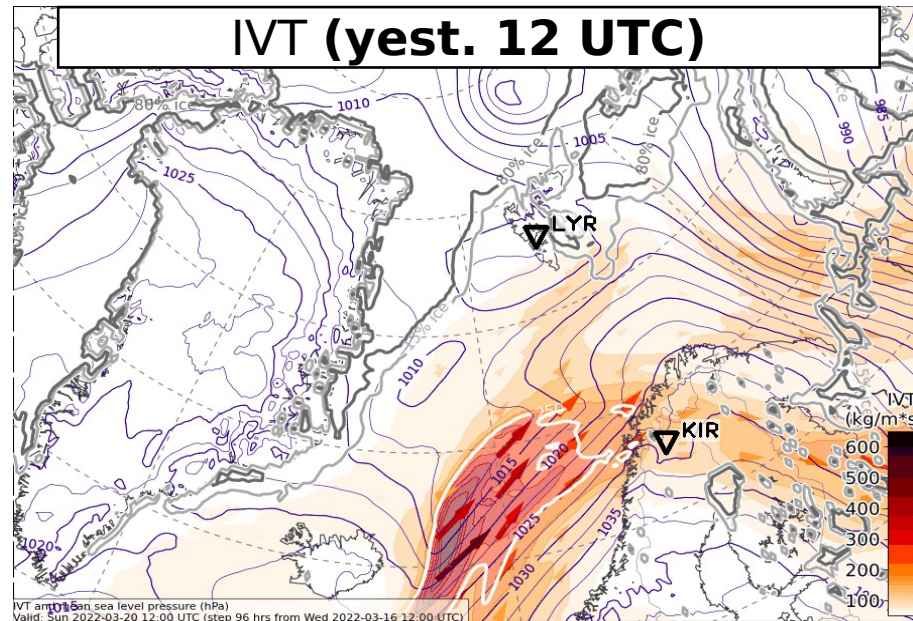
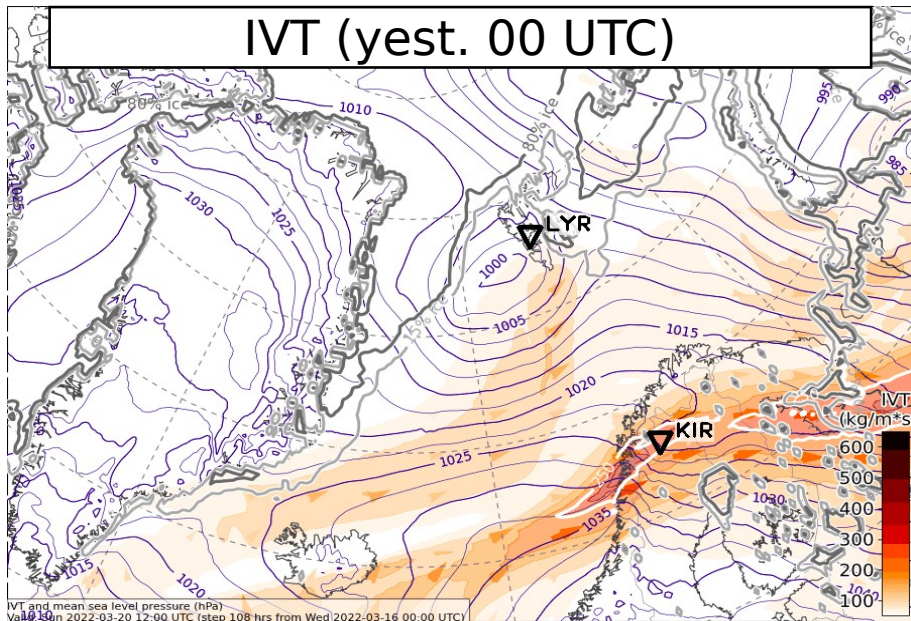
# Sun, 2022-03-30 12 UTC (+96h)



# Sat, 2022-03-19 12 UTC (+72h)

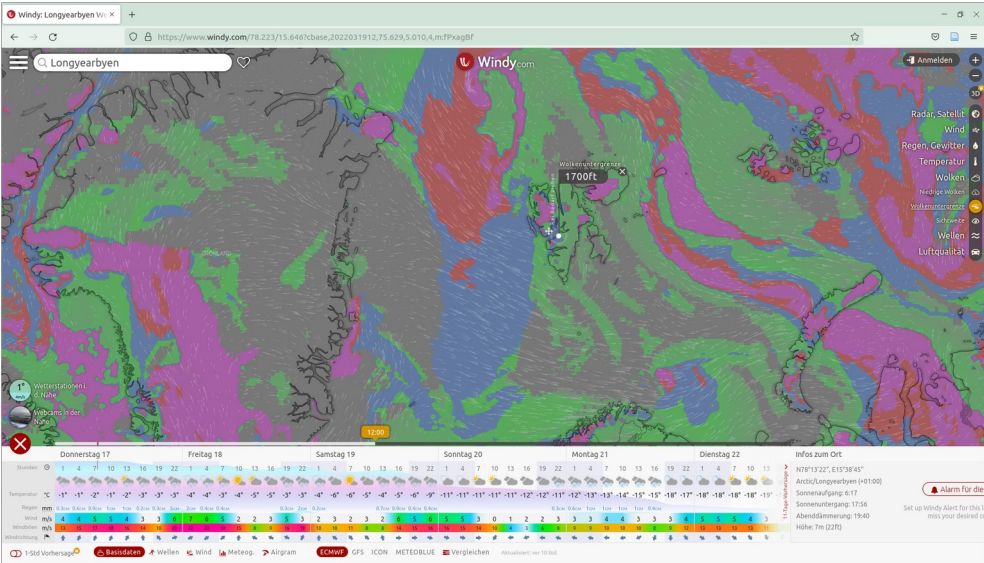


# Sun, 2022-03-20 12 UTC (+96h)

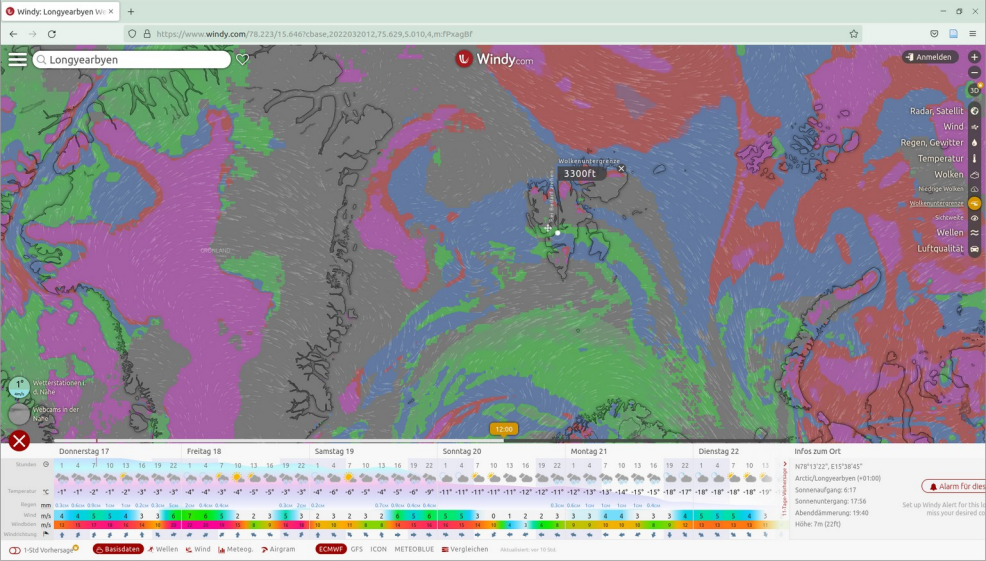


**Detailed outlook for Saturday, Sunday & Monday  
12 UTC  
from windy  
  
Cloud base**

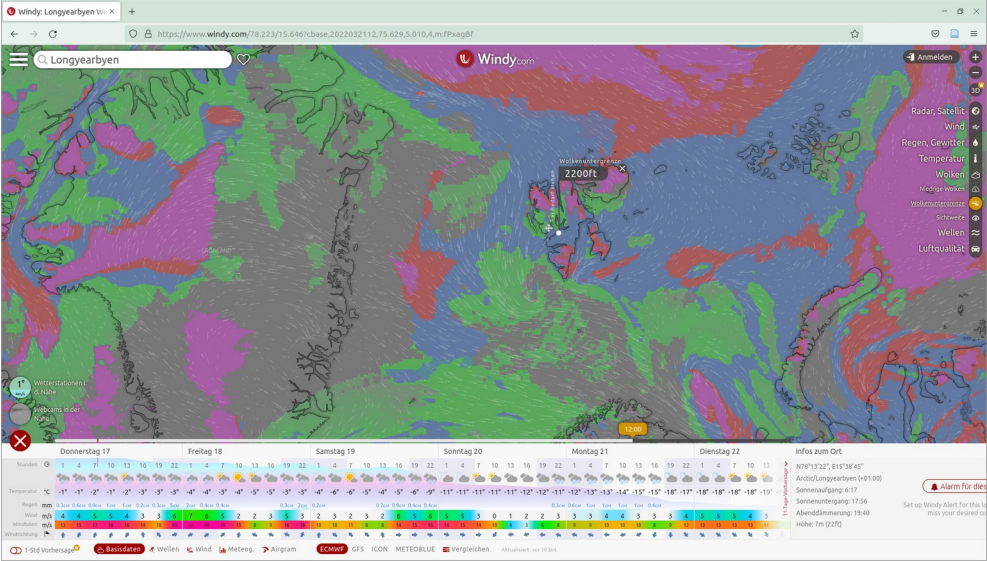
Sat, 12 UTC



Sun, 12 UTC



Mon, 12 UTC



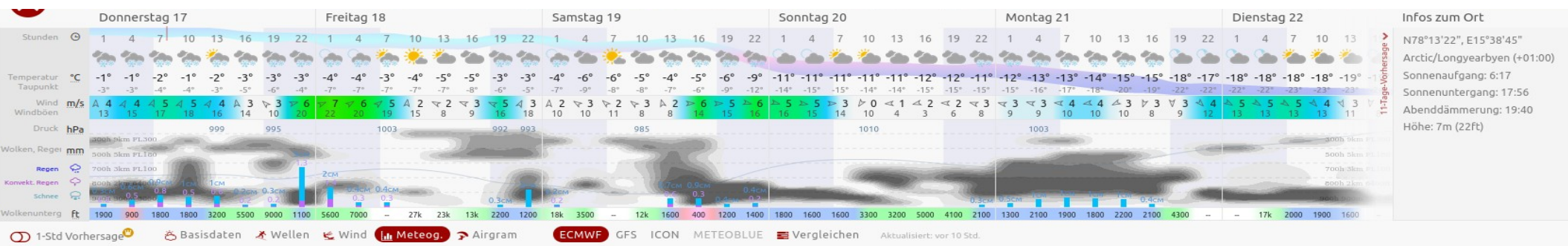


# **Meteograms from windy**

# ICON: 2022-03-17 00 UTC



# ECMWF: 2022-03-16 12 UTC



# **Outlook for Saturday's HALO flight**

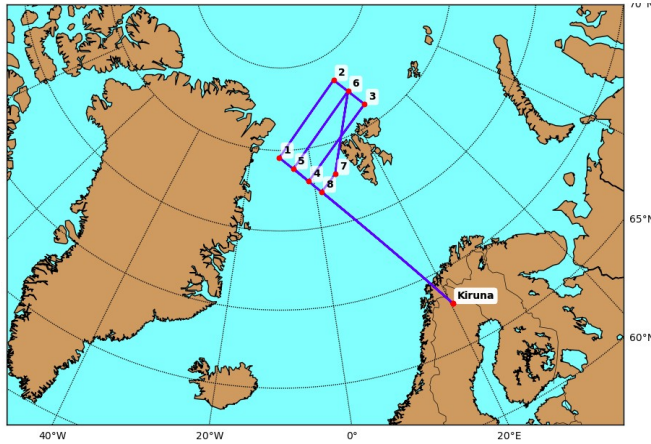
2022-03-16 12 UTC: +72h

Cloud cover (vertical section),

850 hPa Equiv. pot. T

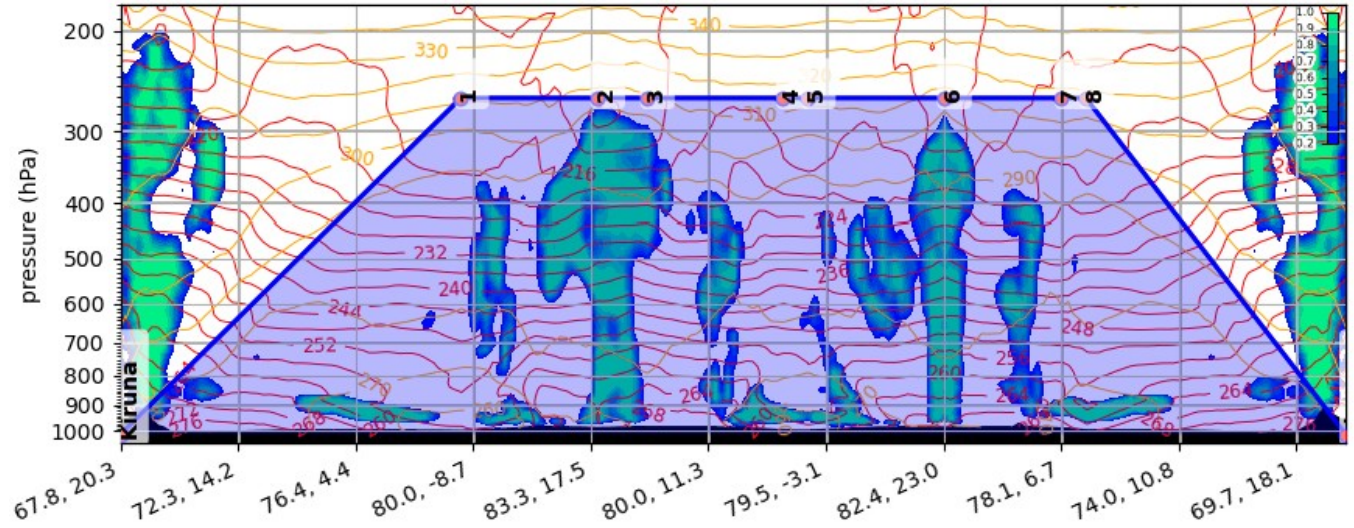
# Cloud cover, vertical section (yest. 12 UTC)

Sat, 12 UTC



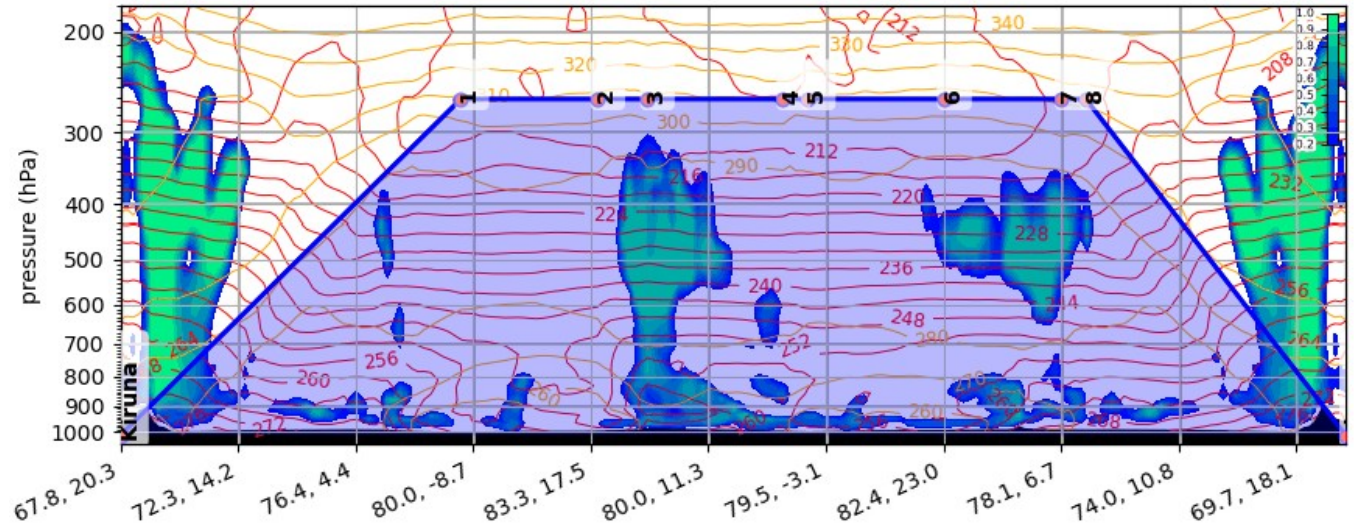
Cloud Cover (0-1) Vertical Section  
Valid: 2022-03-19T12:00:00Z (initialisation: 2022-03-16T12:00:00Z)

ECMWF



Cloud Cover (0-1) Vertical Section  
Valid: 2022-03-19T12:00:00Z (initialisation: 2022-03-16T12:00:00Z)

ICON

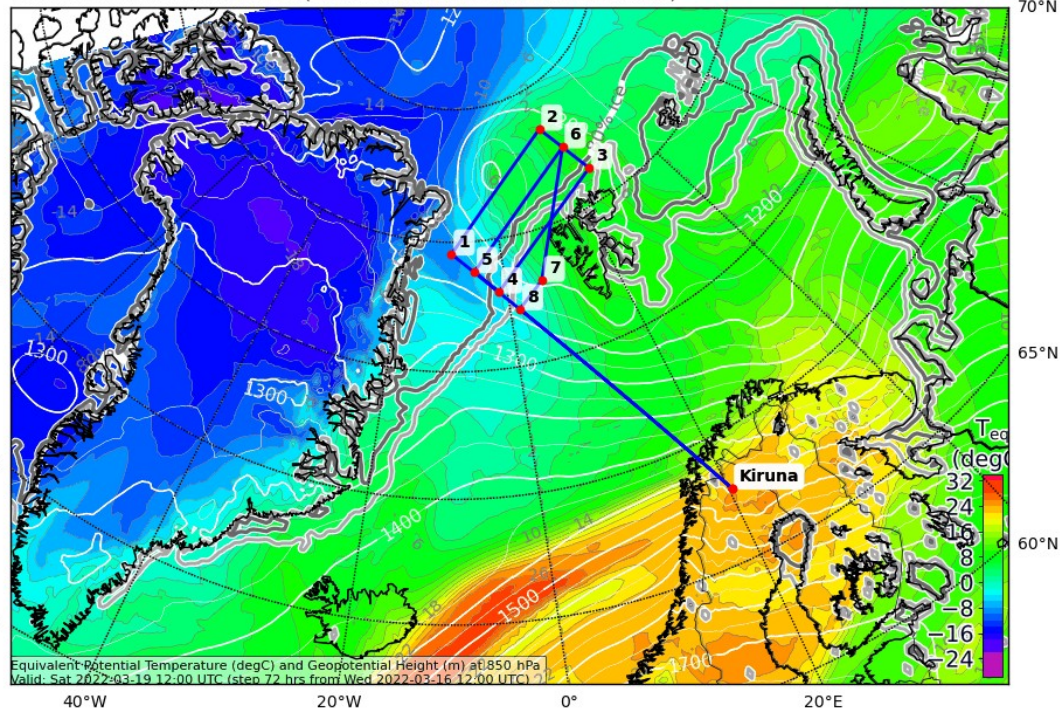


850 hPa Equiv. pot. T (yest. 12 UTC)

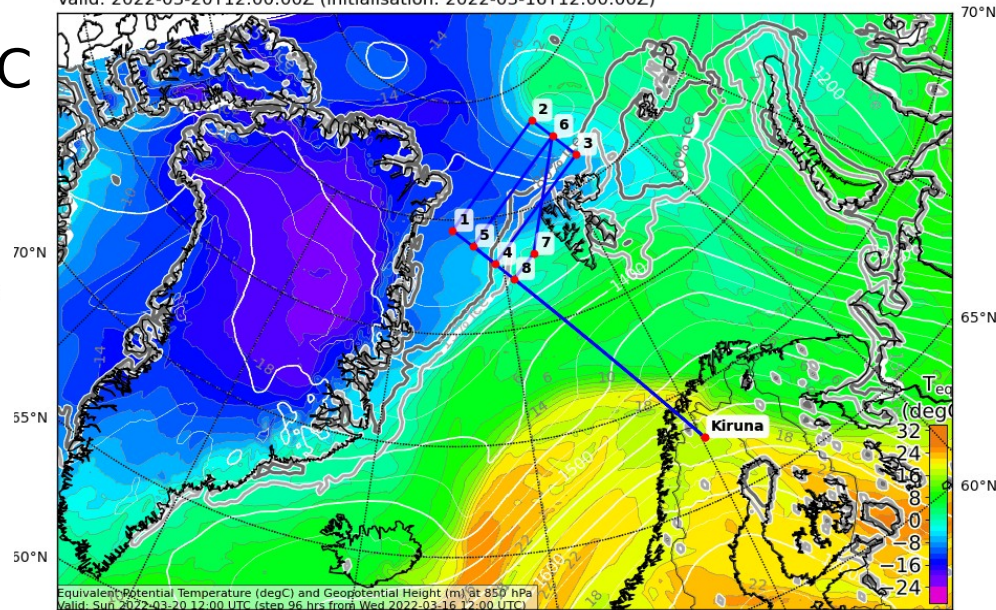
Sun, 12 UTC

Sat, 12 UTC

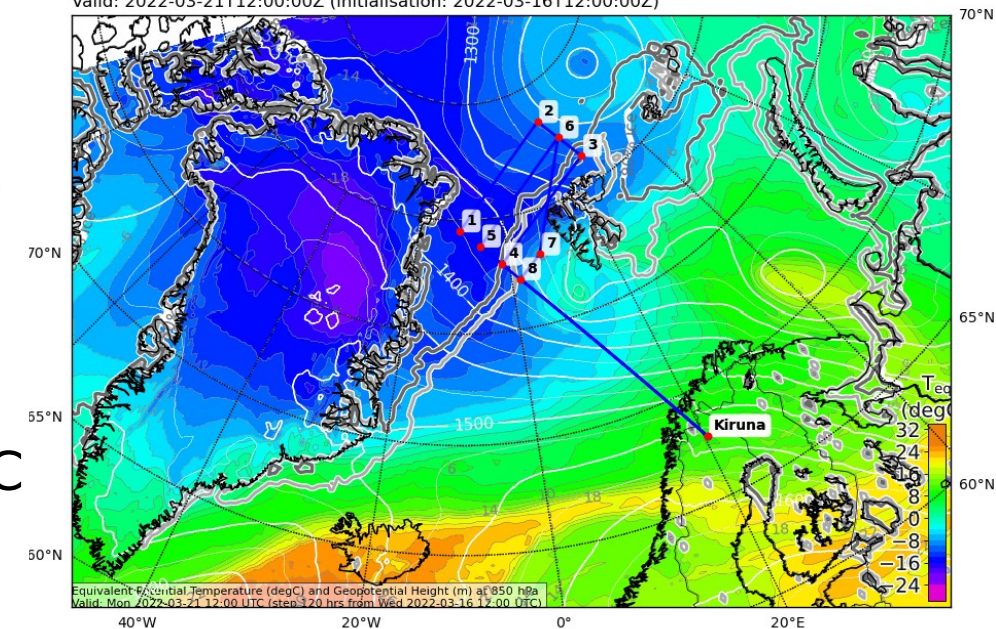
Temperature, Equivalent Potential (degC) and Geopotential Height (m) at 850.0 (hPa)  
Valid: 2022-03-19T12:00:00Z (initialisation: 2022-03-16T12:00:00Z)



Temperature, Equivalent Potential (degC) and Geopotential Height (m) at 850.0 (hPa)  
Valid: 2022-03-20T12:00:00Z (initialisation: 2022-03-16T12:00:00Z)



Temperature, Equivalent Potential (degC) and Geopotential Height (m) at 850.0 (hPa)  
Valid: 2022-03-21T12:00:00Z (initialisation: 2022-03-16T12:00:00Z)



Mon, 12 UTC

# Summary

# Summary: Weather Update 2022-03-17, 09:00 LT

- **Saturday, 2022-03-19:**

- NW flow → perpendicular to ice edge
- Trough of dry air masses → dry & moist air during one flight leg
- Low cloud base during landing!

- **Sunday, 2022-03-20:**

- Two less intense low pressure systems instead of one → flow direction???