

# Weather briefing **ACLOUD**

From Thu 22 June 2017  
for Fri 23 June 2017  
and next three days

# Summary

High pressure system SW of Spitsbergen

SW winds over Longyearbyen and along west coast of lower part of the Spitsbergen in between 5-7.5 m/s

## **WINDS TOMORROW :**

- over Longyearbyen will be northerly to north-easterly of 5.5m/s
- along the western coast more NW of 5.5 m/s to N of 10 m/s above Prins Karls Forland

## **CLOUD COVER** over:

- Longyearbyen and Prins Karls Forland mostly clear sky during the day.
- NW part of Spitsbergen LLC will be present during whole day with high and mid level clouds coming from north between 09-12 UTC

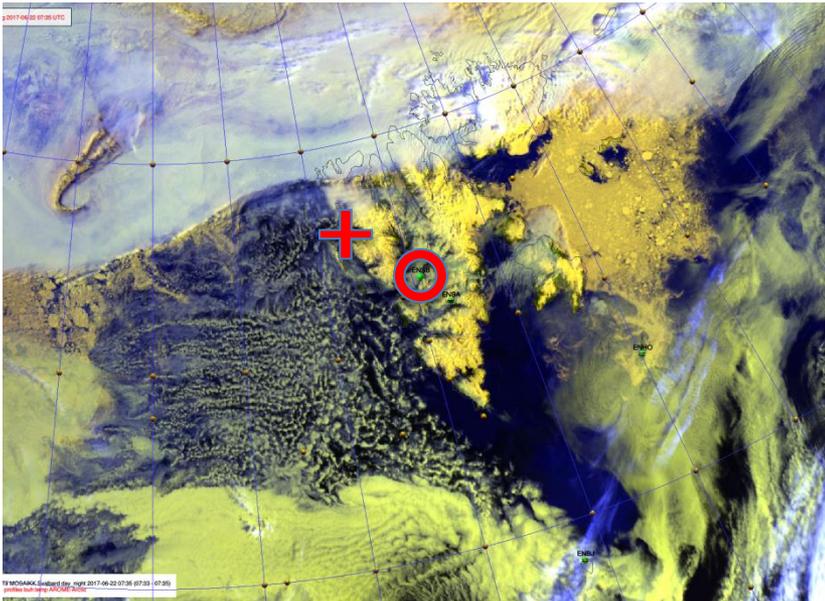
# Observations

## Thu 22 June 2017

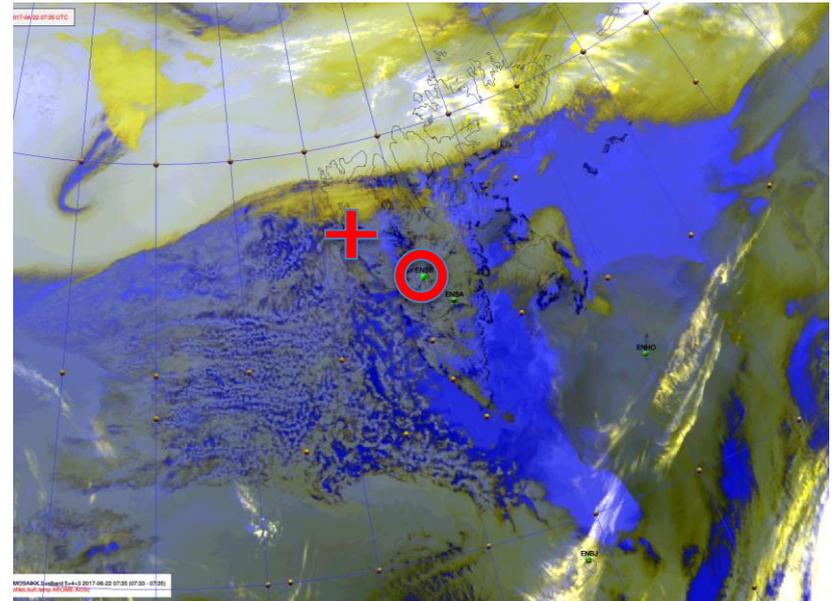
# Satellite image

Jun 22  
07:33 UTC

+ Ny-Ålesund  
○ Longyearbyen



VIS + IR

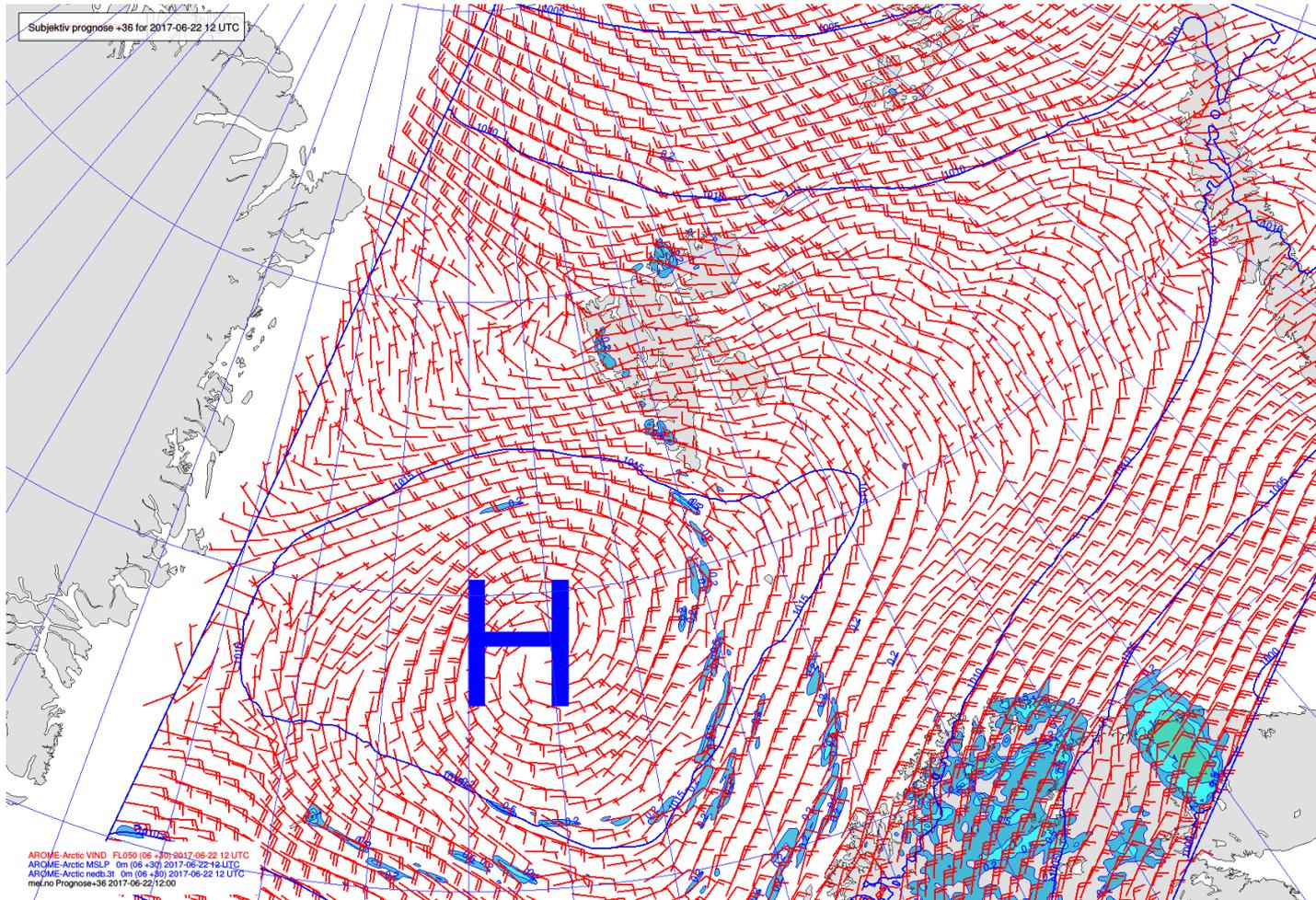


NOAA-19

IR 5+4+3

# MSLP / $v_{FL050}$ / Fronts / Precipitation

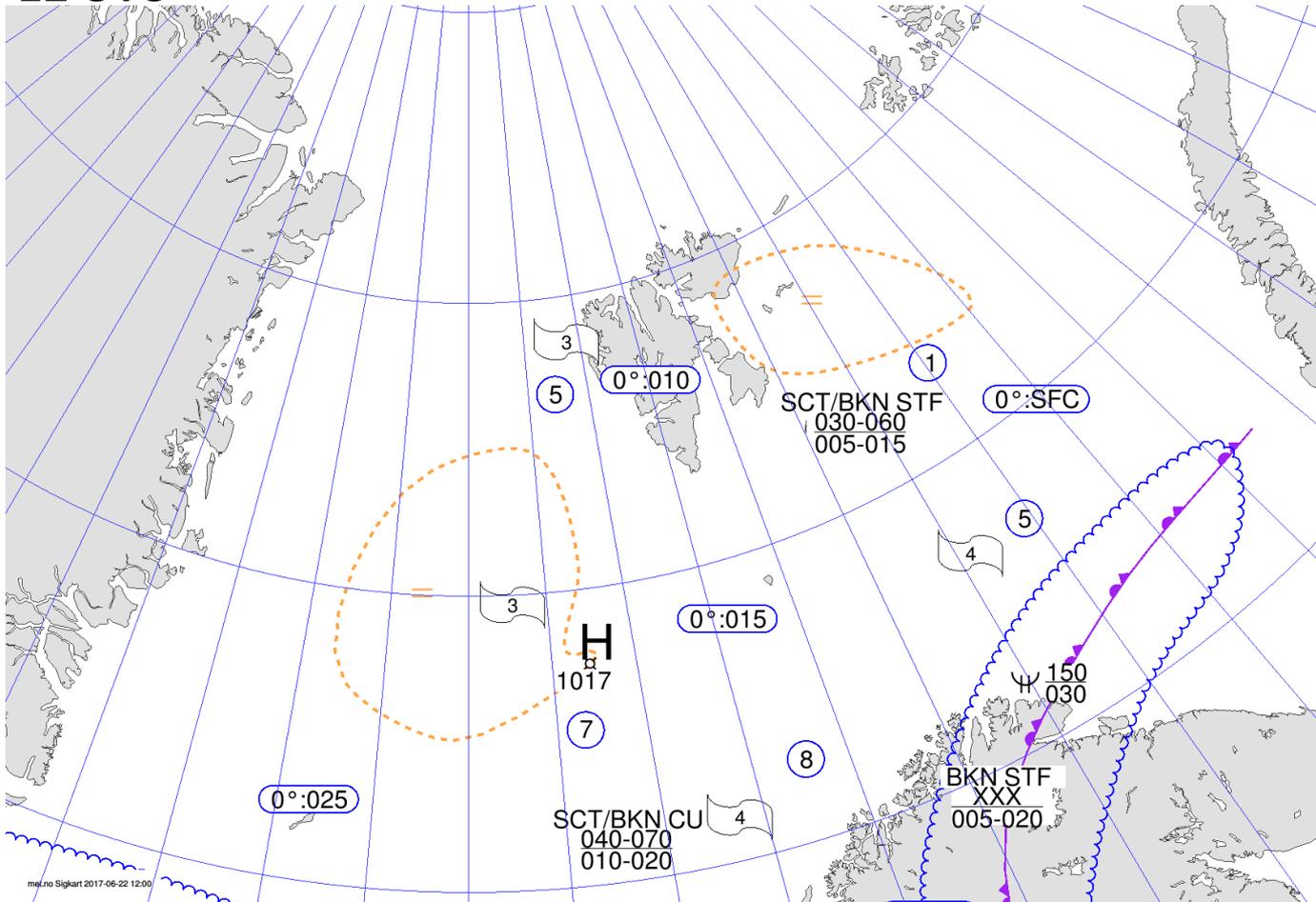
Jun 22  
12 UTC



AROME-  
Arctic

# Significant weather chart

Jun 22  
12 UTC



AROME-  
Arctic

# METAR and TAF

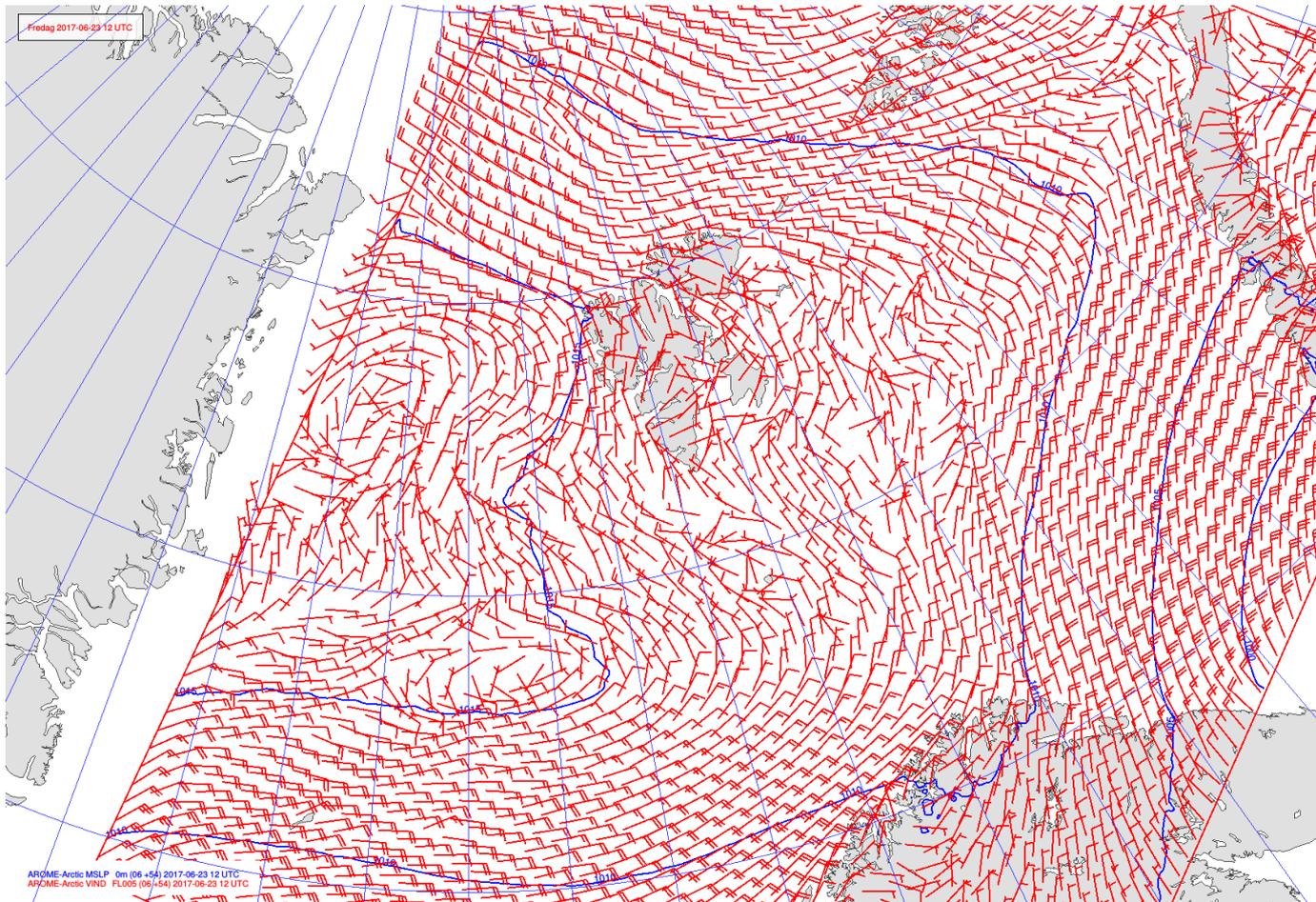
- Longyearbyen/Longyear (ENSB):
  - METAR 221020Z 23008KT 190V290 9999 SCT020  
BKN025 04/M01 Q1012 NOSIG RMK WIND 1400FT  
22012KT
  - TAF 220500Z **2206/2306** 25010KT 9999 SCT012  
TEMPO 2206/2306 25020KT BKN012
  - No SIGMET/AIRMET
- Ny-Ålesund/Hamnerabben (ENAS):
  - METAR 220850Z 32006KT 9999 FEW011 SCT015  
BKN028 03/M00 Q1013

Forecast  
Fri 23 June 2017



# MSLP / $V_{FL005}$

**Jun 23  
12 UTC**

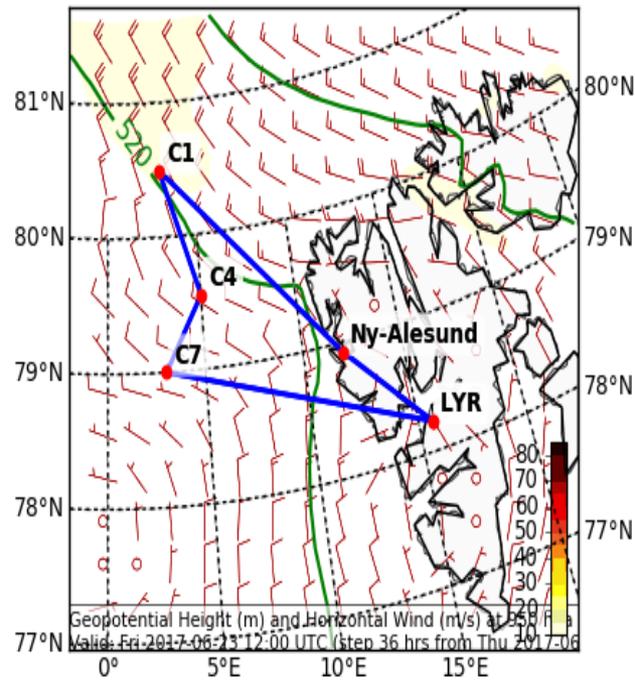


AROME-  
Arctic

# V<sub>950hPa</sub>

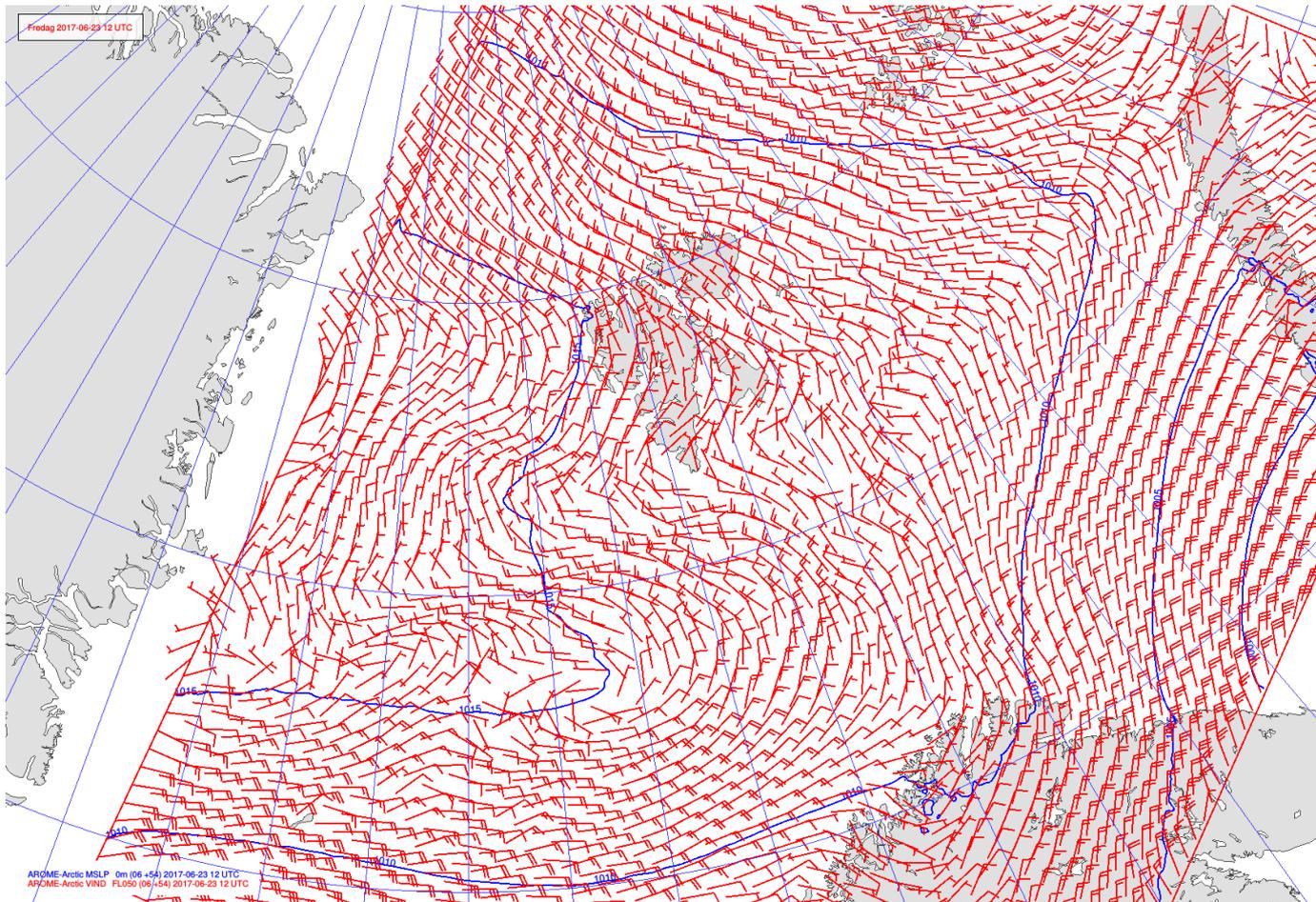
**Fri Jun 23  
12 UTC**

Geopotential Height (m) and Horizontal Wind (m/s) (Wind Speed 10-85 m/s) at 950hPa  
Valid: Fri 2017-06-23 12:00 UTC (step 36 hrs from Thu 2017-06-22 00:00 UTC)



# MSLP / $V_{FL050}$

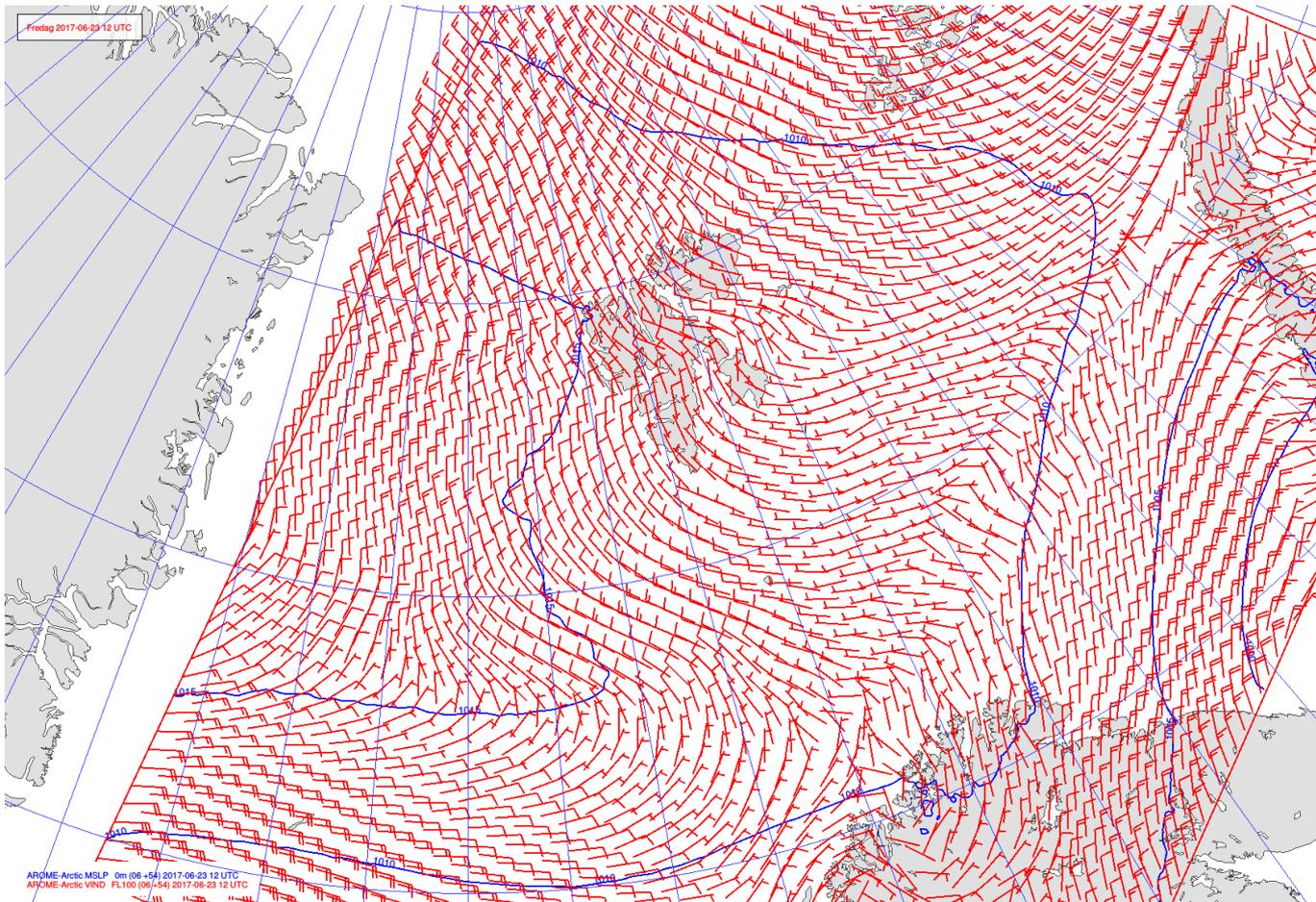
Jun 23  
12 UTC



AROME-  
Arctic

# MSLP / $V_{FL100}$

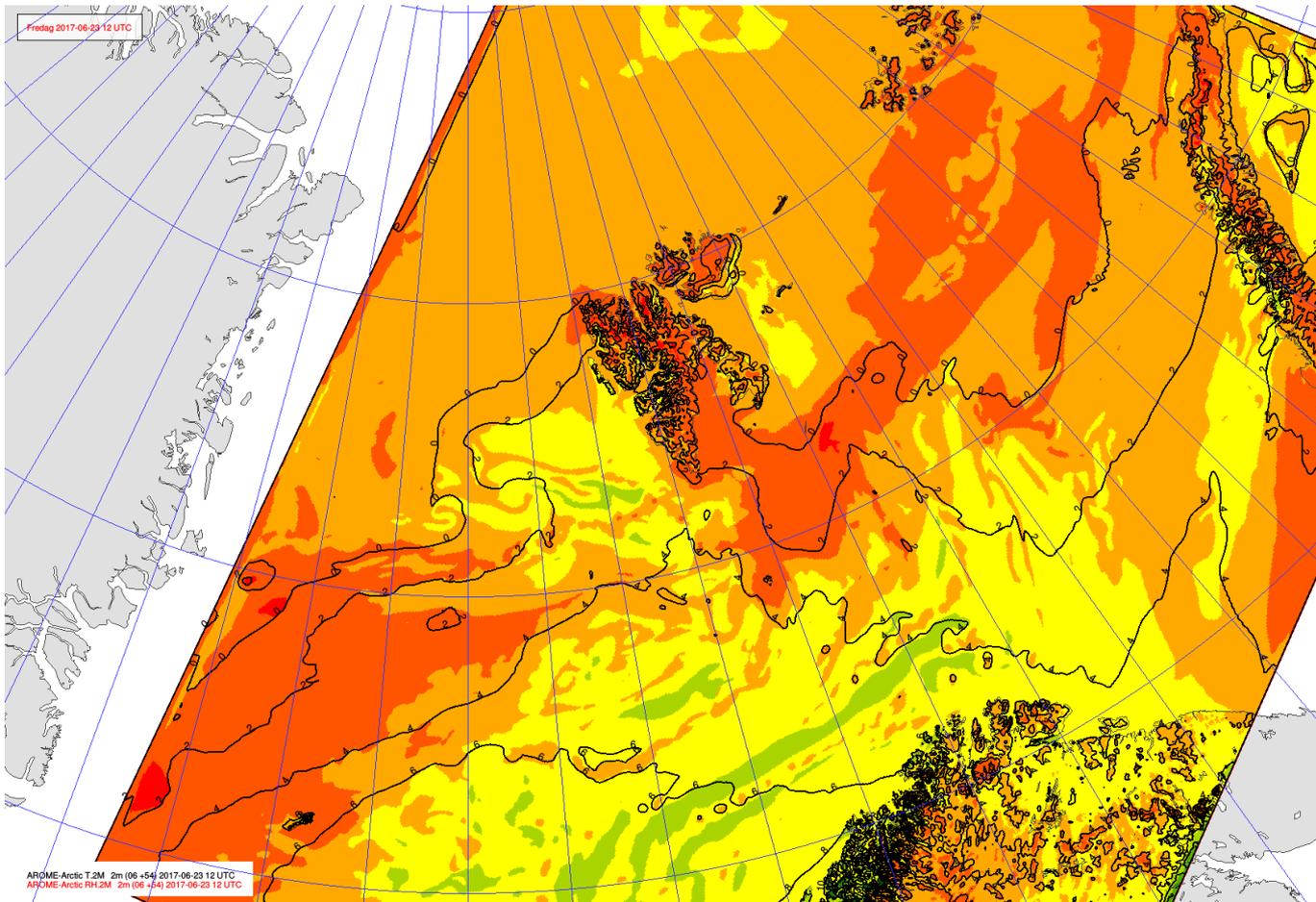
Jun 23  
12 UTC



AROME-  
Arctic

$T_{2m}$  /  $RH_{2m}$

Jun 23  
12 UTC



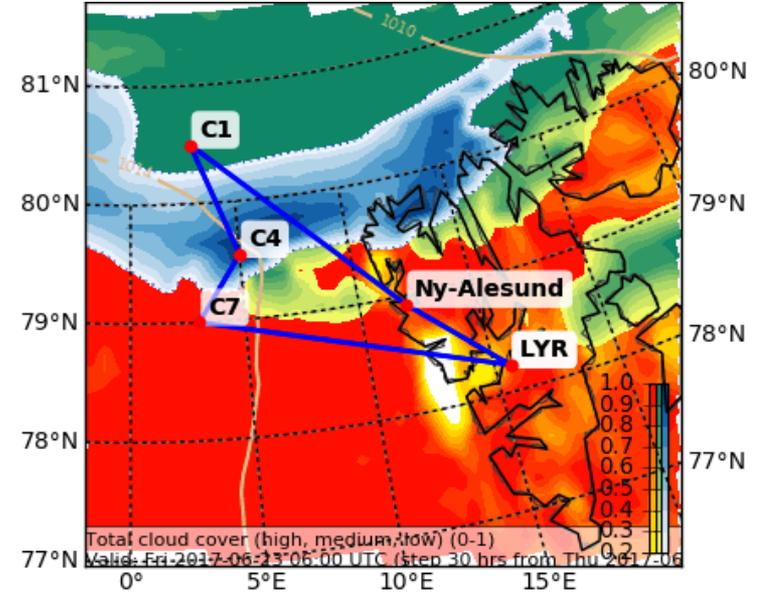
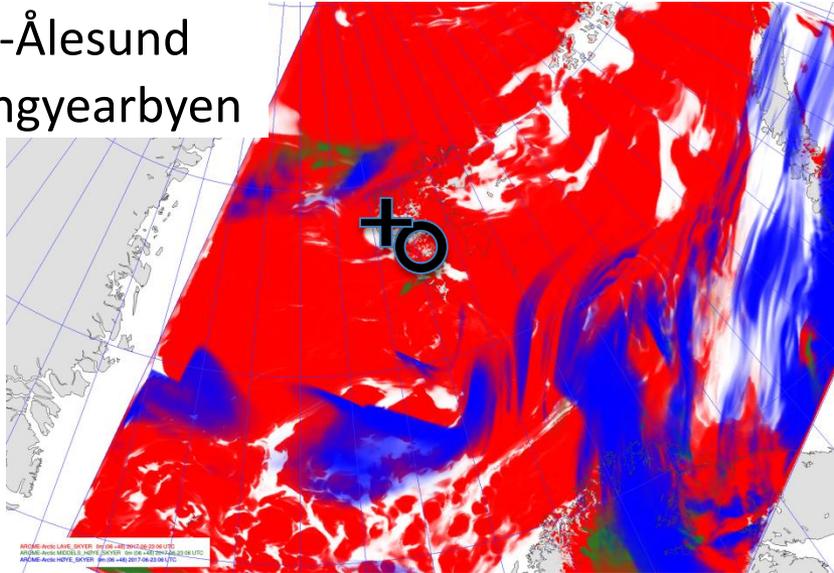
AROME-  
Arctic

Tue Jun 23  
06 UTC

# Cloud cover

Low / Mid / High

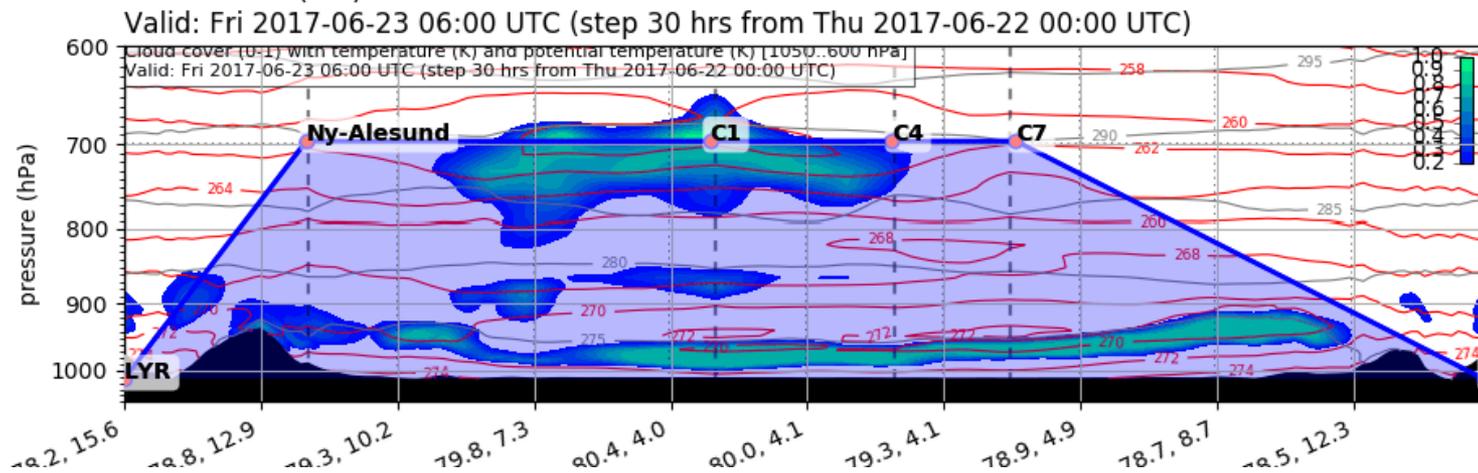
- + Ny-Ålesund
- Longyearbyen



AROME-Arctic

Cloud cover / T (K) /  $\theta$  (K)

ECMWF



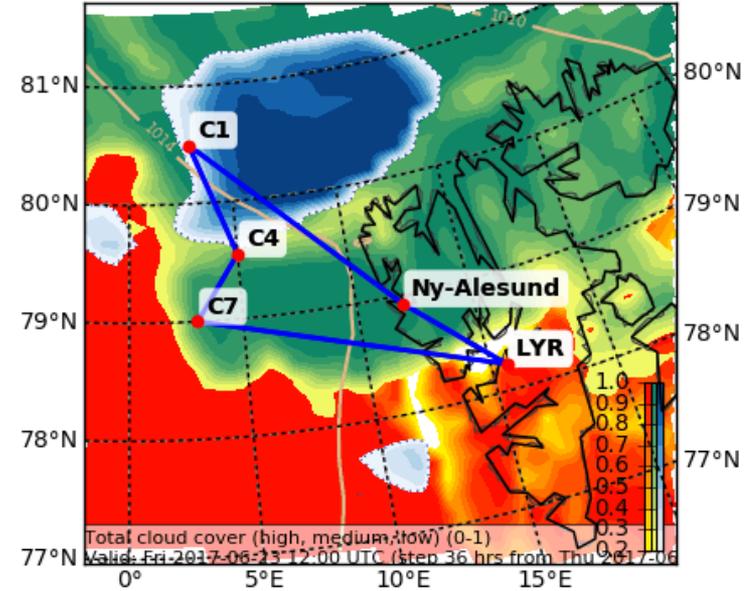
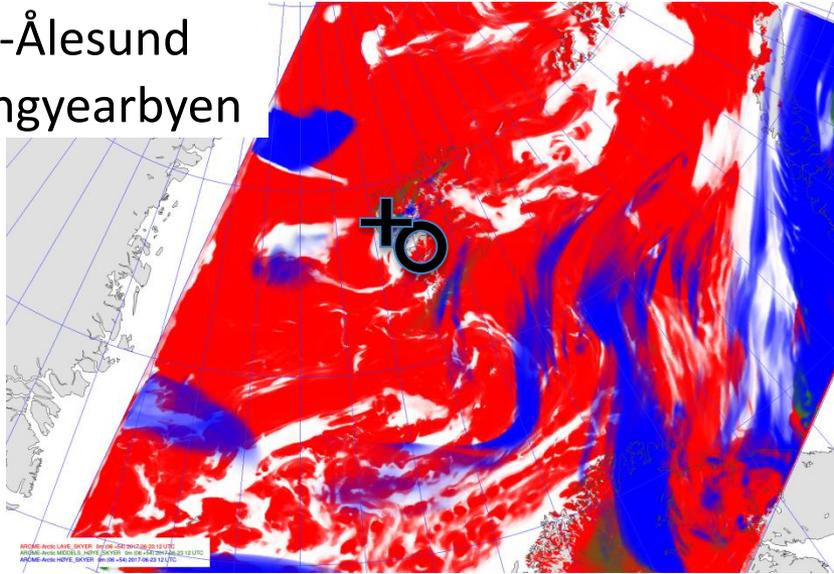


Tue Jun 23  
12 UTC

# Cloud cover

Low / Mid / High

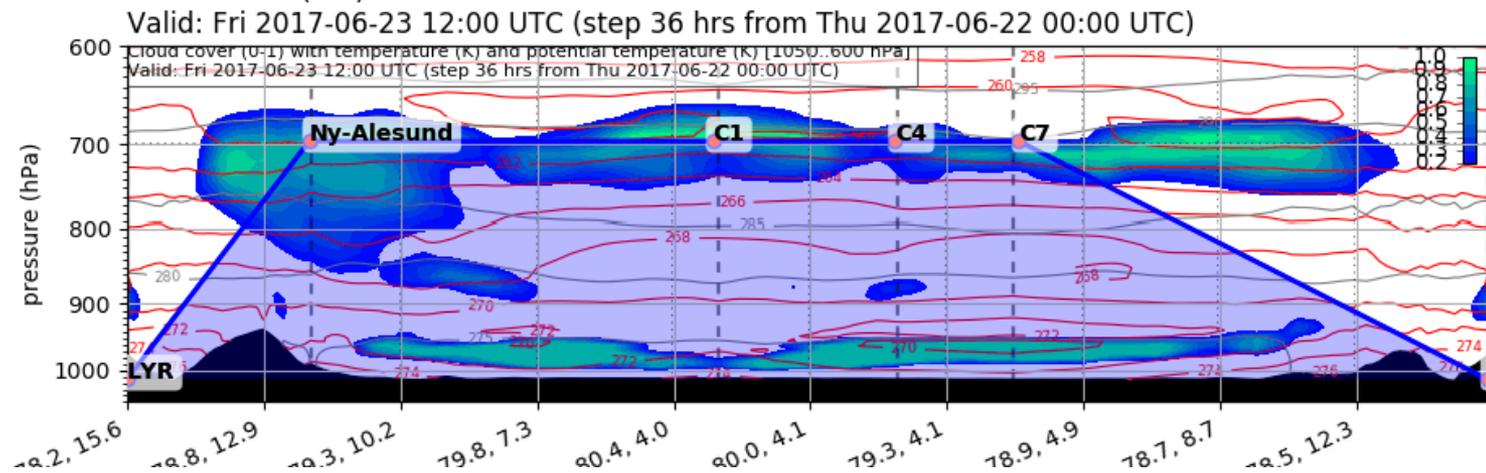
- + Ny-Ålesund
- Longyearbyen



AROME-Arctic

Cloud cover / T (K) /  $\theta$  (K)

ECMWF

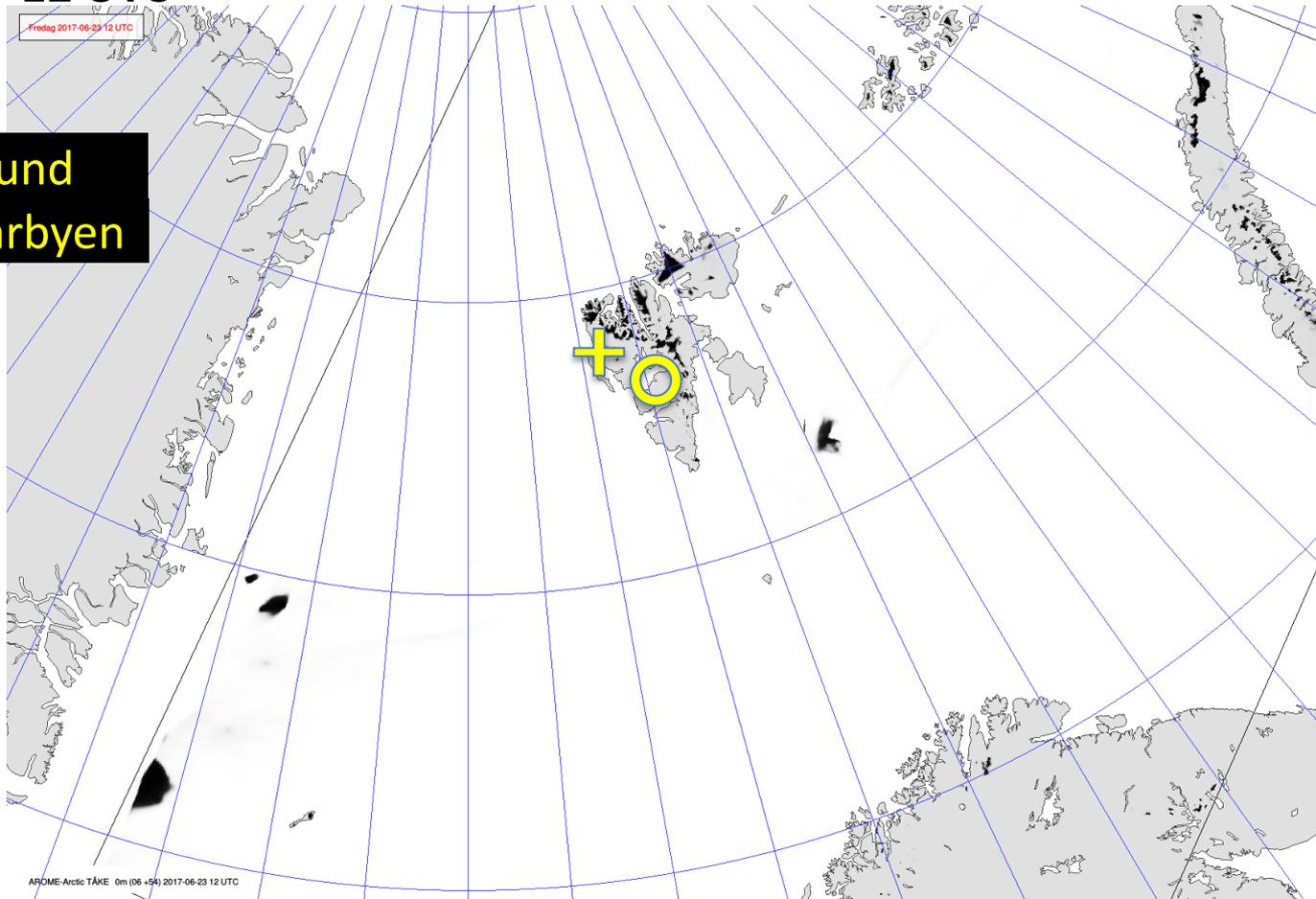






# Fog

Jun 23  
12 UTC



+ Ny-Ålesund  
○ Longyearbyen

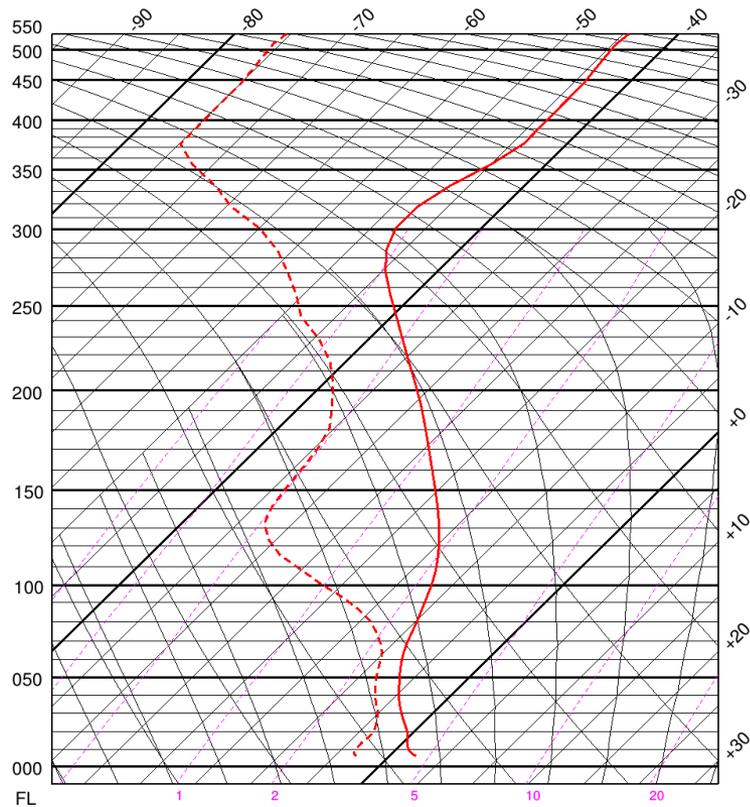
AROME-  
Arctic

# Vertical profile

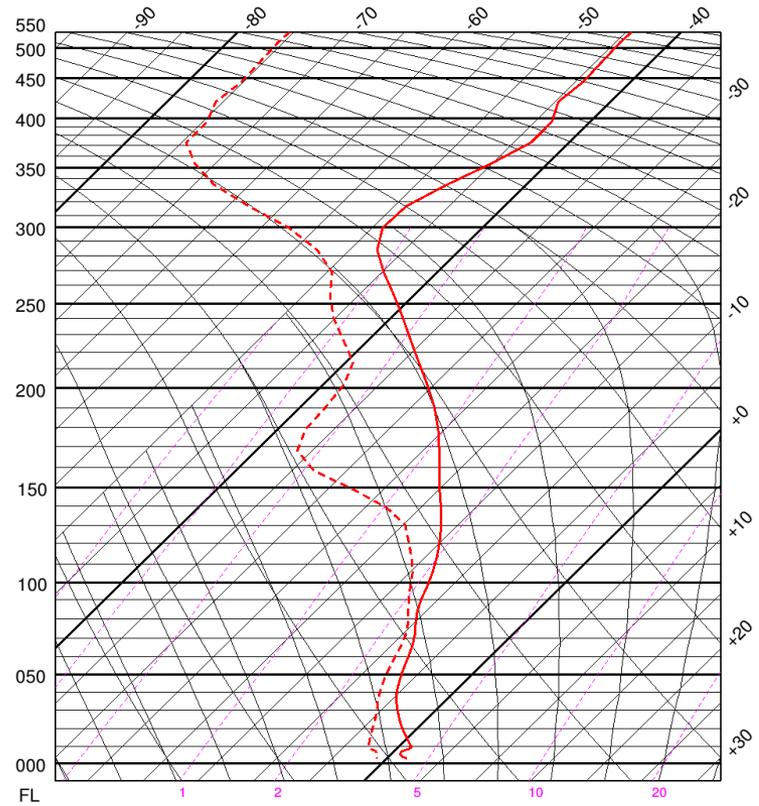
**Jun 23**  
**12 UTC**

AROME-Arctic

Longyearbyen



Ny-Ålesund



# Outlook

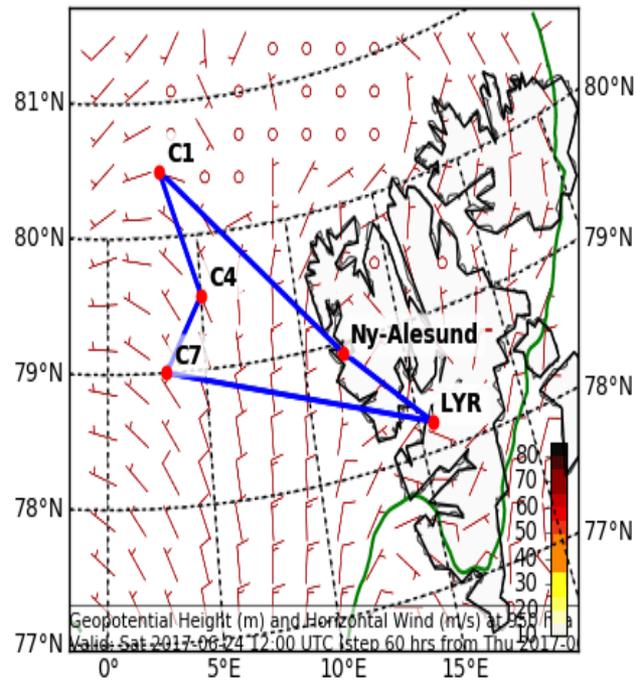
Sat 24 – Sun 25 June 2017



# V<sub>950hPa</sub>

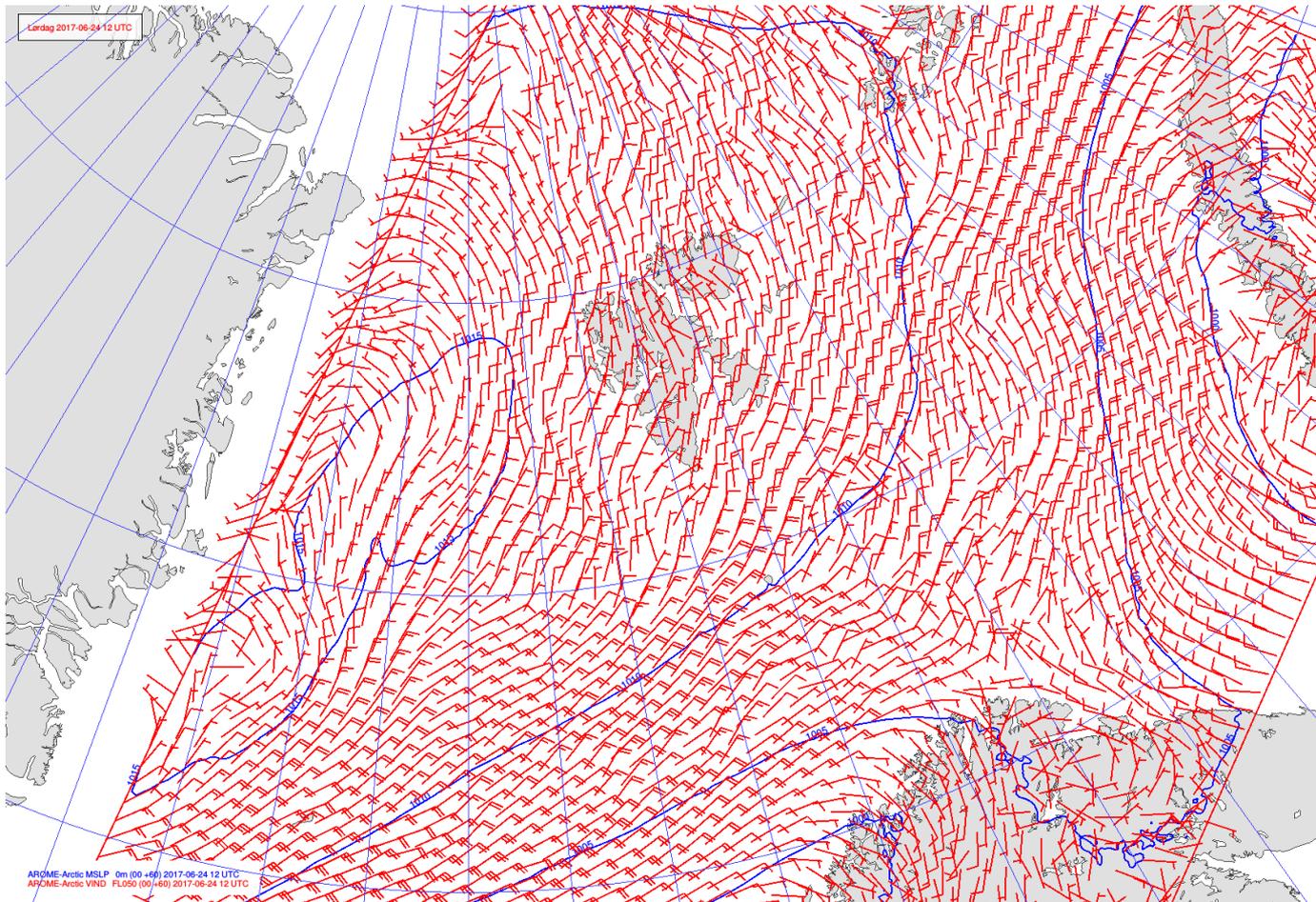
Sat Jun 24  
12 UTC

Geopotential Height (m) and Horizontal Wind (m/s) (Wind Speed 10-85 m/s) at 950 hPa  
Valid: Sat 2017-06-24 12:00 UTC (step 60 hrs from Thu 2017-06-22 00:00 UTC)



# MSLP / $V_{FL050}$

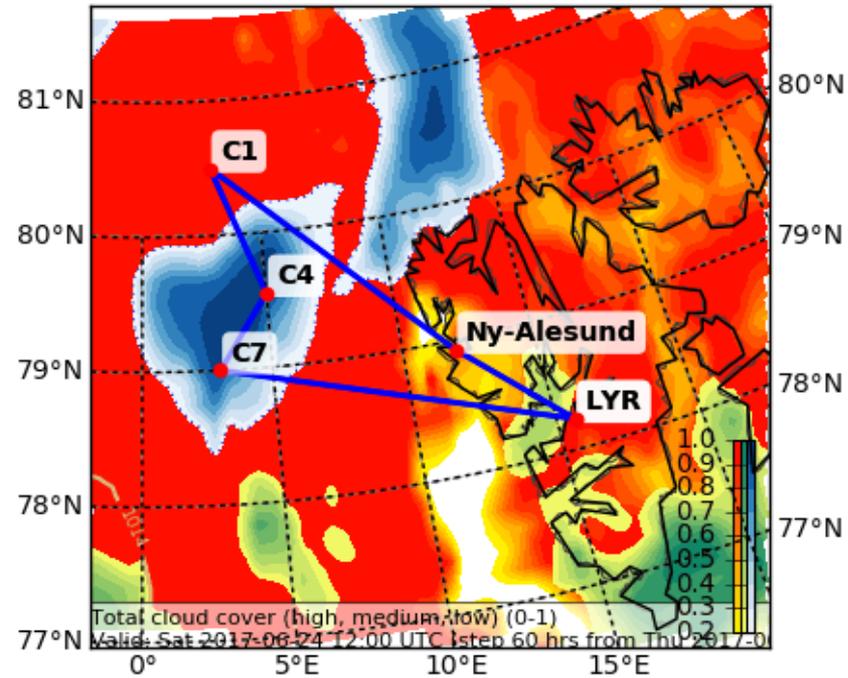
Sat Jun 24  
12 UTC



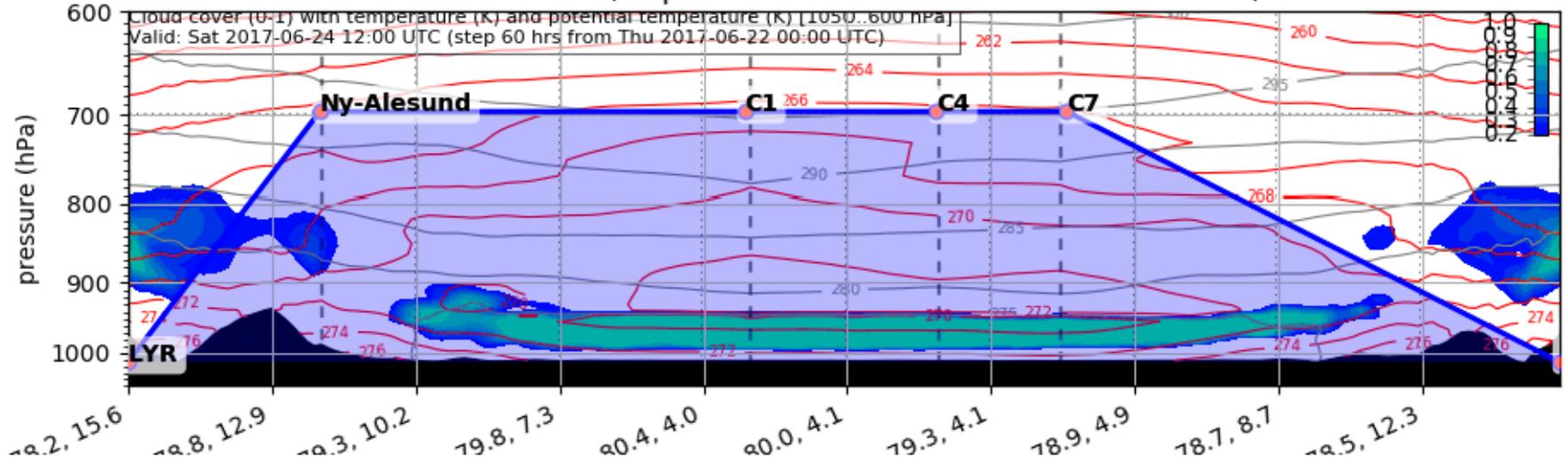
AROME-  
Arctic

Sat Jun 24  
12 UTC

Cloud Cover (0-1) (Total Cloud Cover)  
Valid: Sat 2017-06-24 12:00 UTC (step 60 hrs from



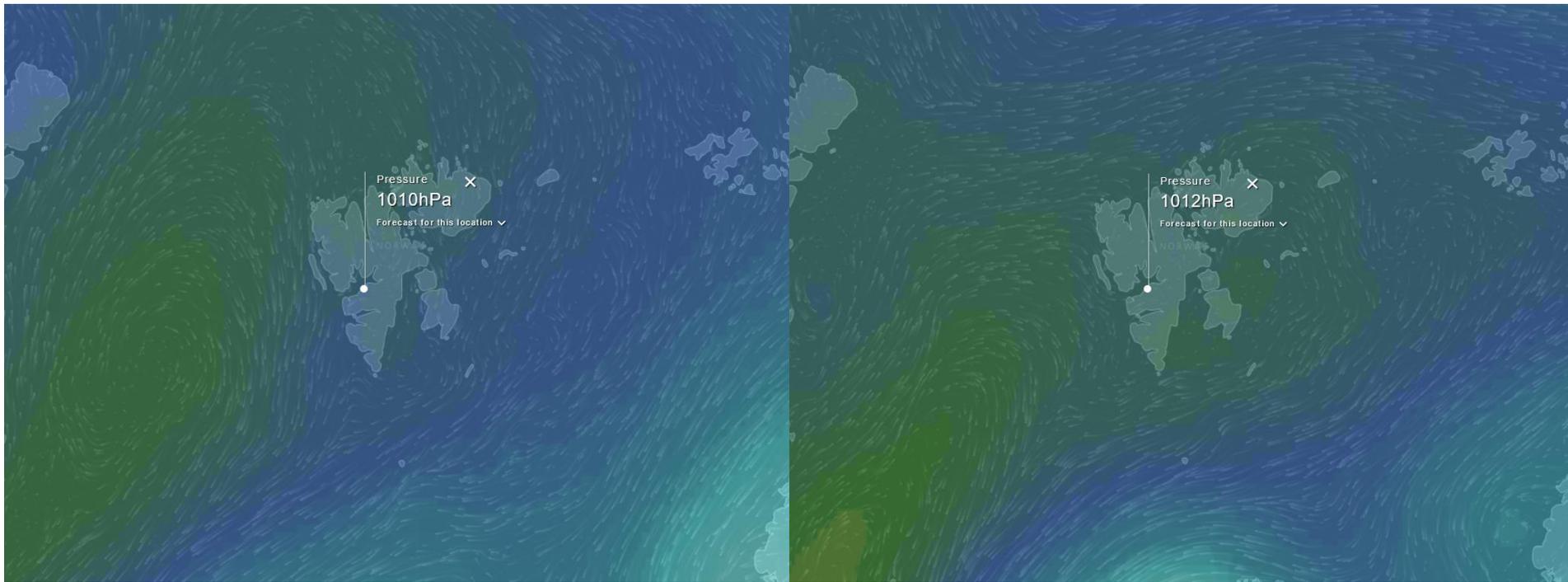
Valid: Sat 2017-06-24 12:00 UTC (step 60 hrs from Thu 2017-06-22 00:00 UTC)



# MSLP / $v_{surf}$

Sat Jun 24  
12 UTC

Sun Jun 25  
12 UTC



# V<sub>950hPa</sub>

Sun Jun 25  
12 UTC

Geopotential Height (m) and Horizontal Wind (m/s) (Wind Speed 10-85 m/s) at 950hPa  
Valid: Sun 2017-06-25 12:00 UTC (step 84 hrs from Thu 2017-06-22 00:00 UTC)

