Weather briefing ACLOUD

From Sat 24 June 2017

for Sun 25 June 2017

and next three days

Summary

The high pressure ridge in the Fram Strait continues directing NW-NE winds over our region today and tomorrow, up to 20 kt at 10,000 ft. W-NE weak and variable low-level wind around Longyearbyen. Wind becoming westerly and weakening in the west and north as the ridge moves eastward into the day tomorrow.

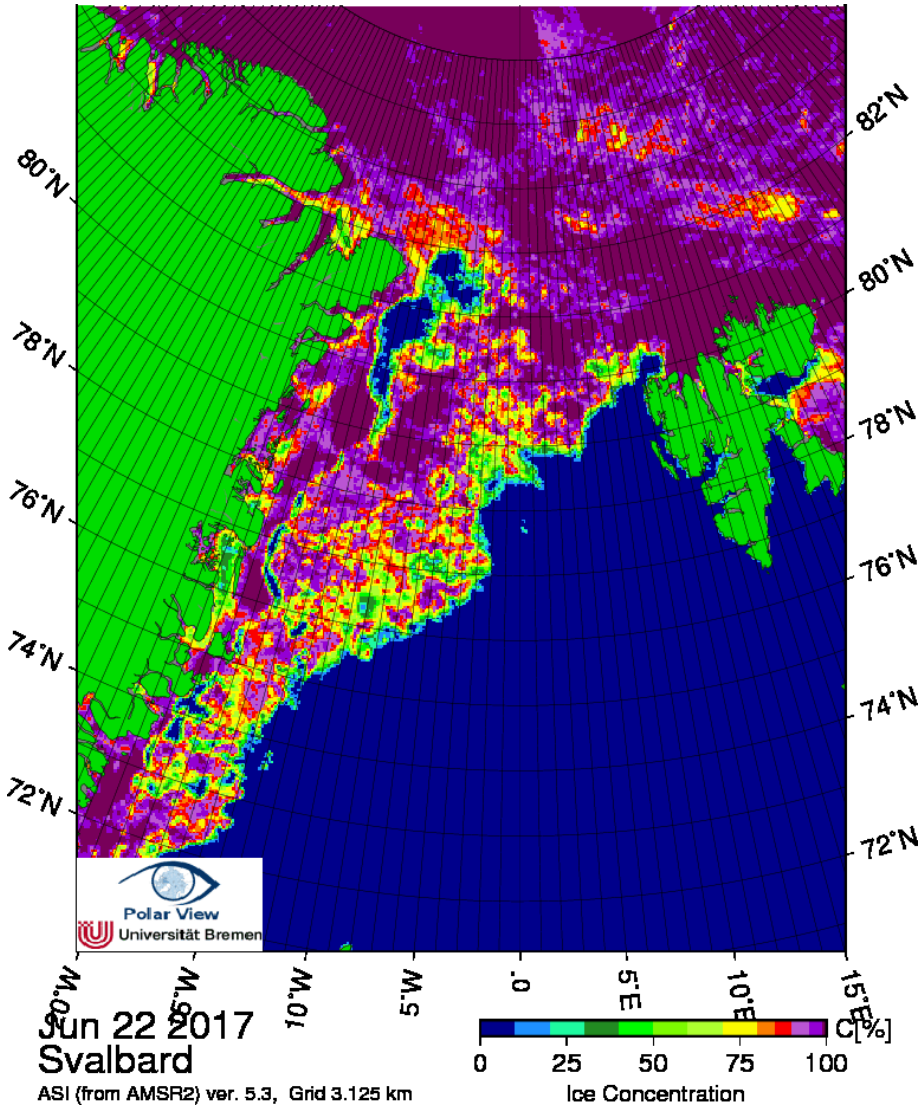
Mostly cloudy by low-level clouds in our areas of interest today and tomorrow, with some high-level clouds moving in from northwest, breaking up over Spitsbergen.

Chance of rain showers today and tonight, otherwise dry and low chances of fog during the day.

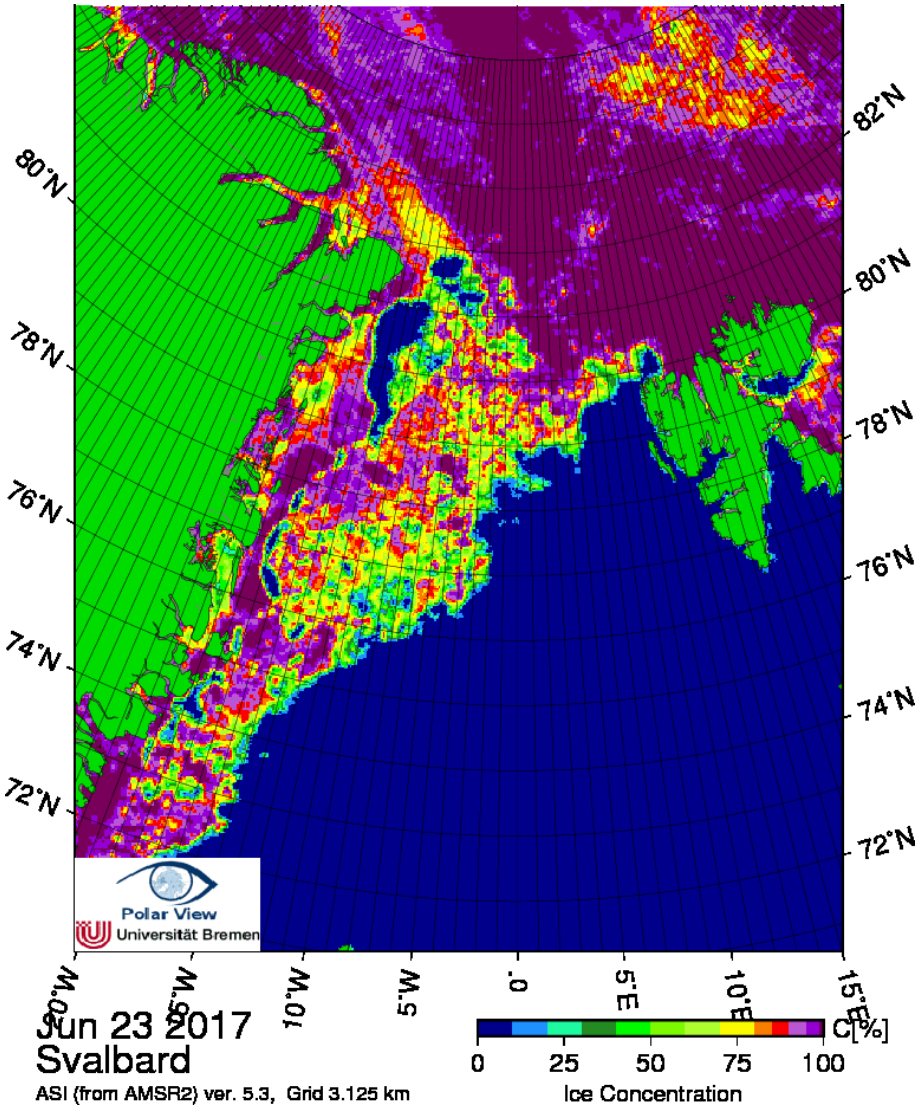
Observations and nowcast
Thu 22 – Sat 24 June 2017

Sea ice concentration

Thu Jun 22



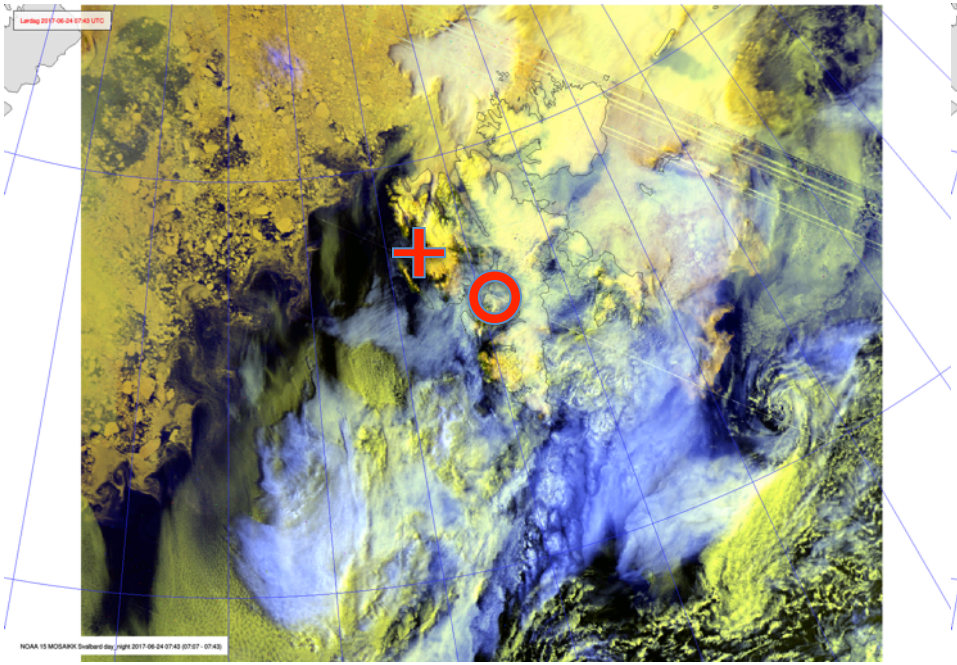
Fri Jun 23

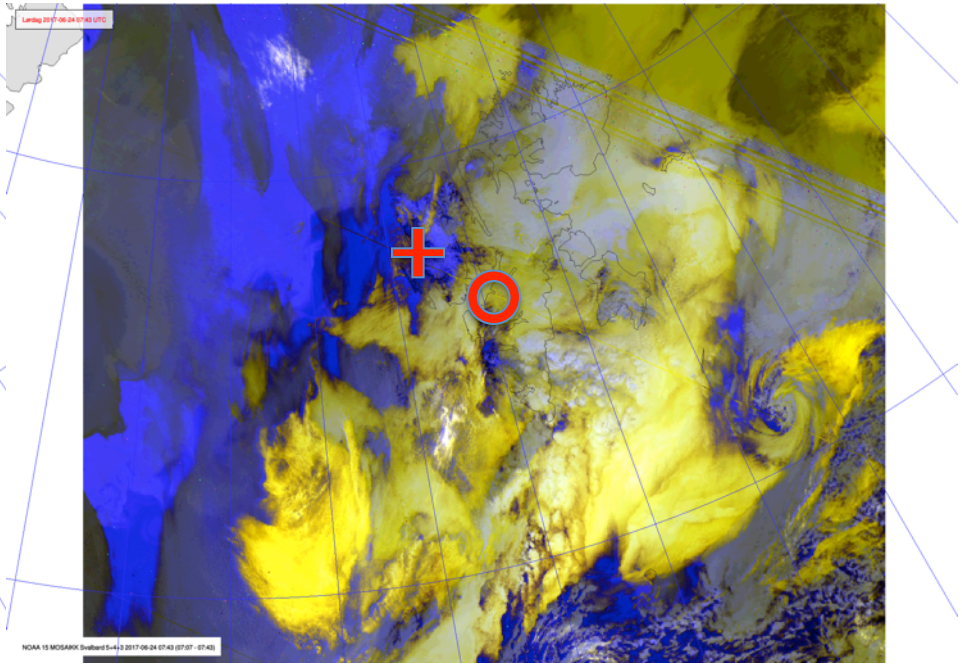


Satellite images

Sat Jun 24
07:43 UTC

+ Ny-Ålesund
O Longyearbyen





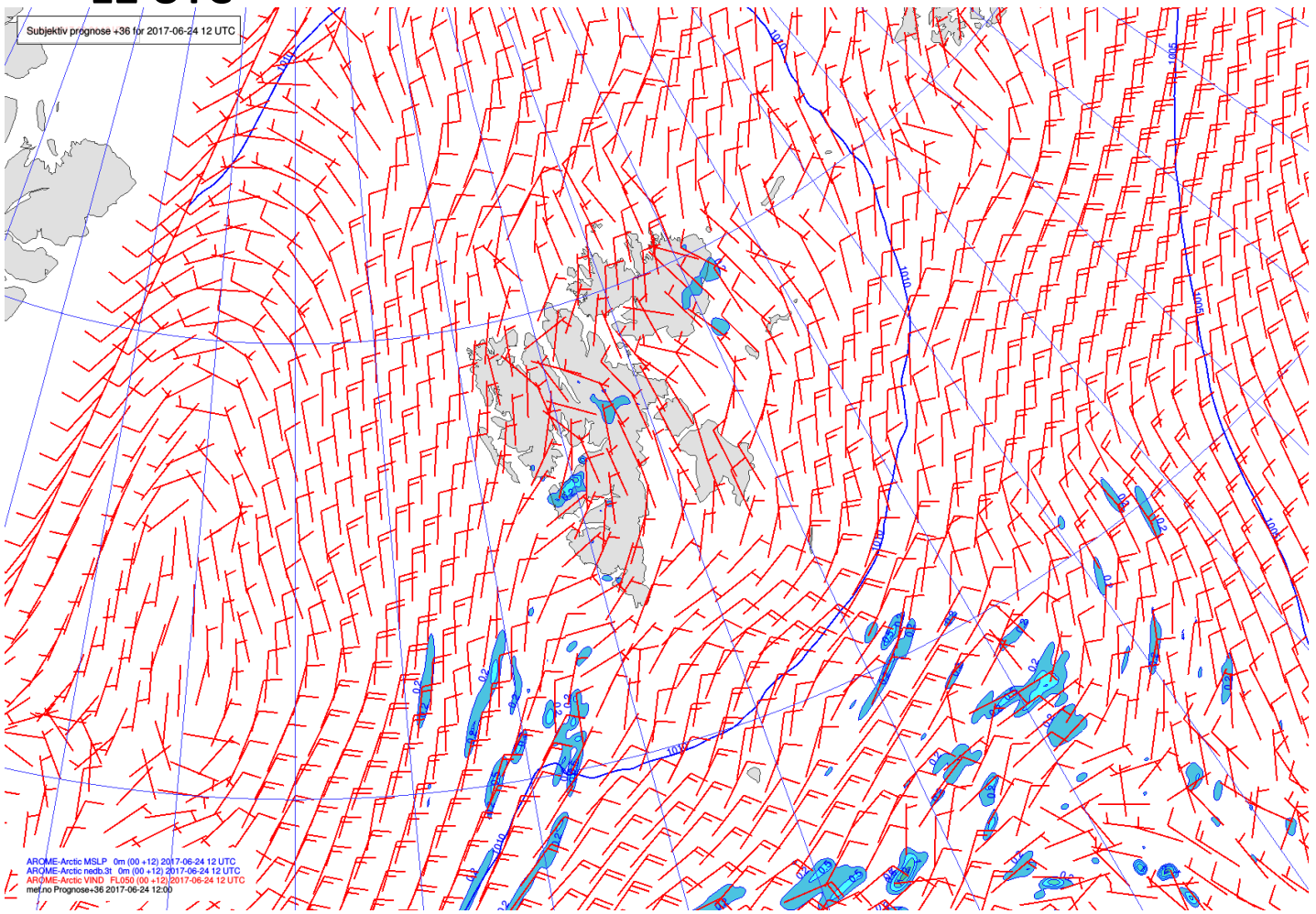
VIS + IR

NOAA-19

IR 5+4+3

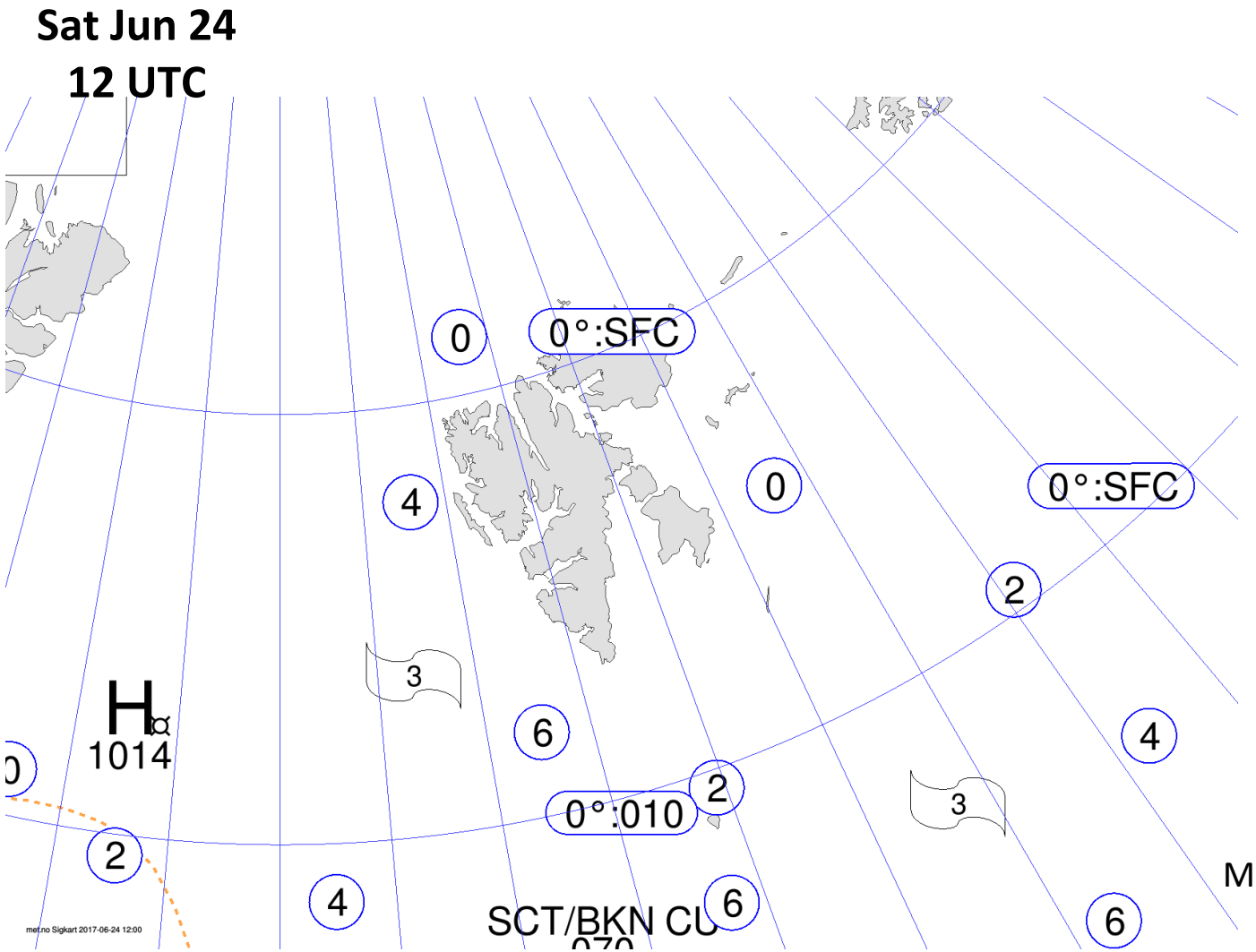
MSLP/ v_{FL050} / Fronts / Precipitation

Sat Jun 24
12 UTC



AROME-Arctic

Significant weather chart



Norwegian Meteorological Institute

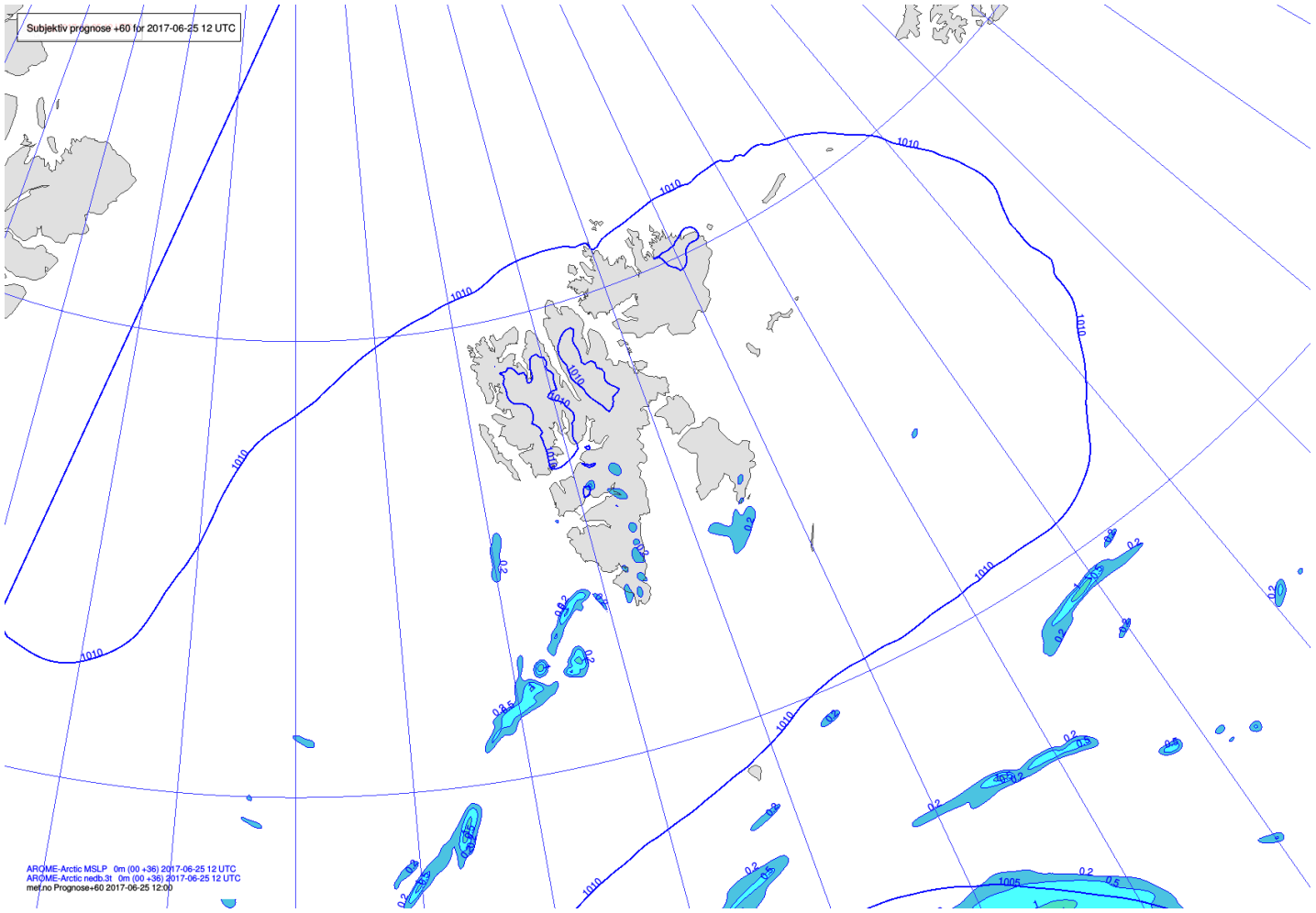
METAR and TAF

- Longyearbyen/Longyear (ENSB):
  - METAR 240850Z 10010KT 9999 SCT022 BKN035 06/01 Q1009 RMK WIND 1400FT VRB03KT
  - TAF 240500Z 2406/2506 35008KT 9999 FEW020 SCT030
  - No SIGMET/AIRMET
- Ny-Ålesund/Hamnerabben (ENAS):
  - METAR NIL
  - NOTAM DAILY 0600-1600 UNMANNED ACFT IN NY ALESUND AREA PSN 7856N 01231E, RADIUS 5NM, LOWER LIM: GND, UPPER LIM: 400FT AMSL
- Svea (ENSA):
  - METAR NIL

Forecast
Sun 25 June 2017

MSLP/ Fronts / Precipitation

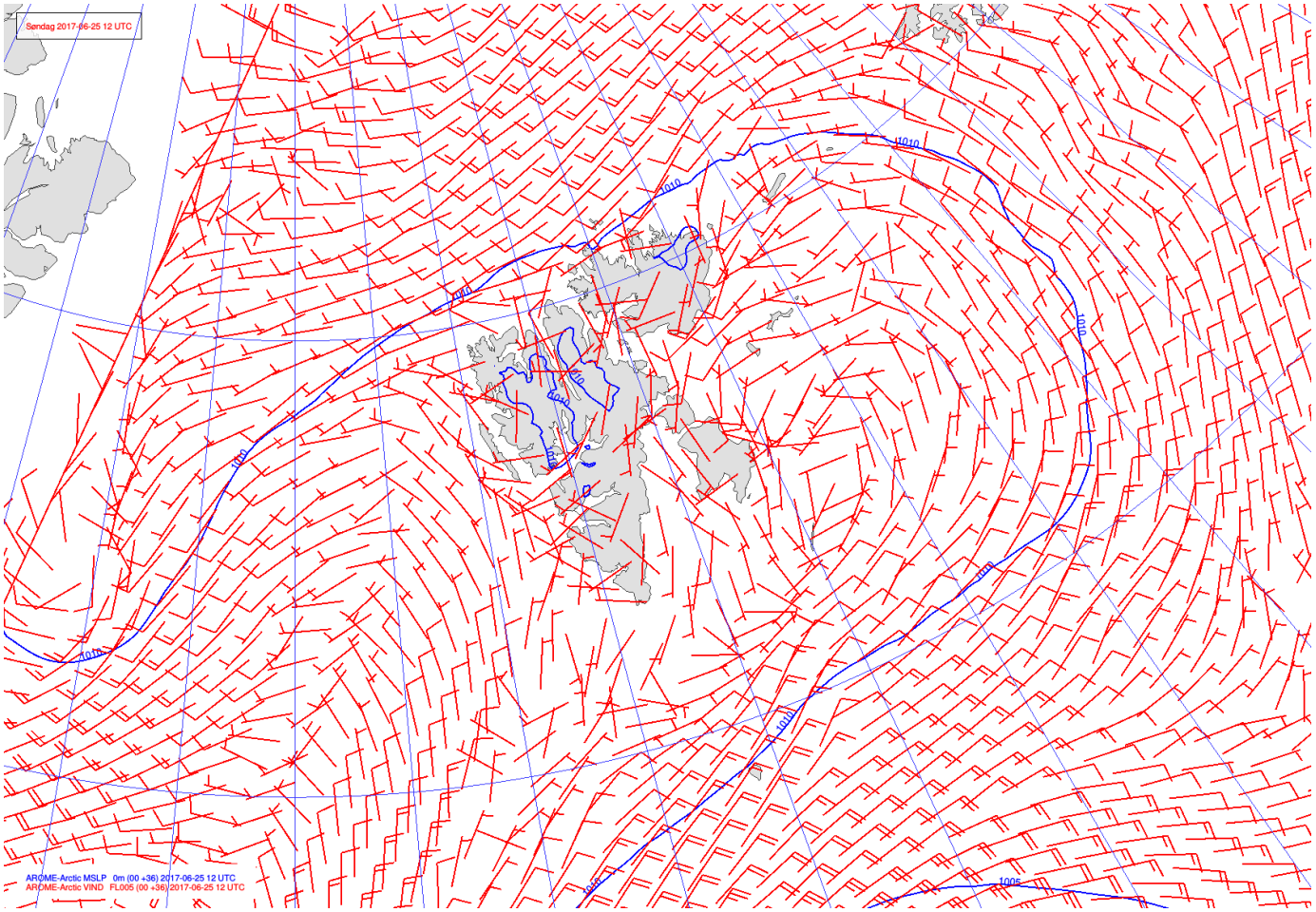
Sun Jun 25
12 UTC



AROME-Arctic

MSLP / V_{FL005}

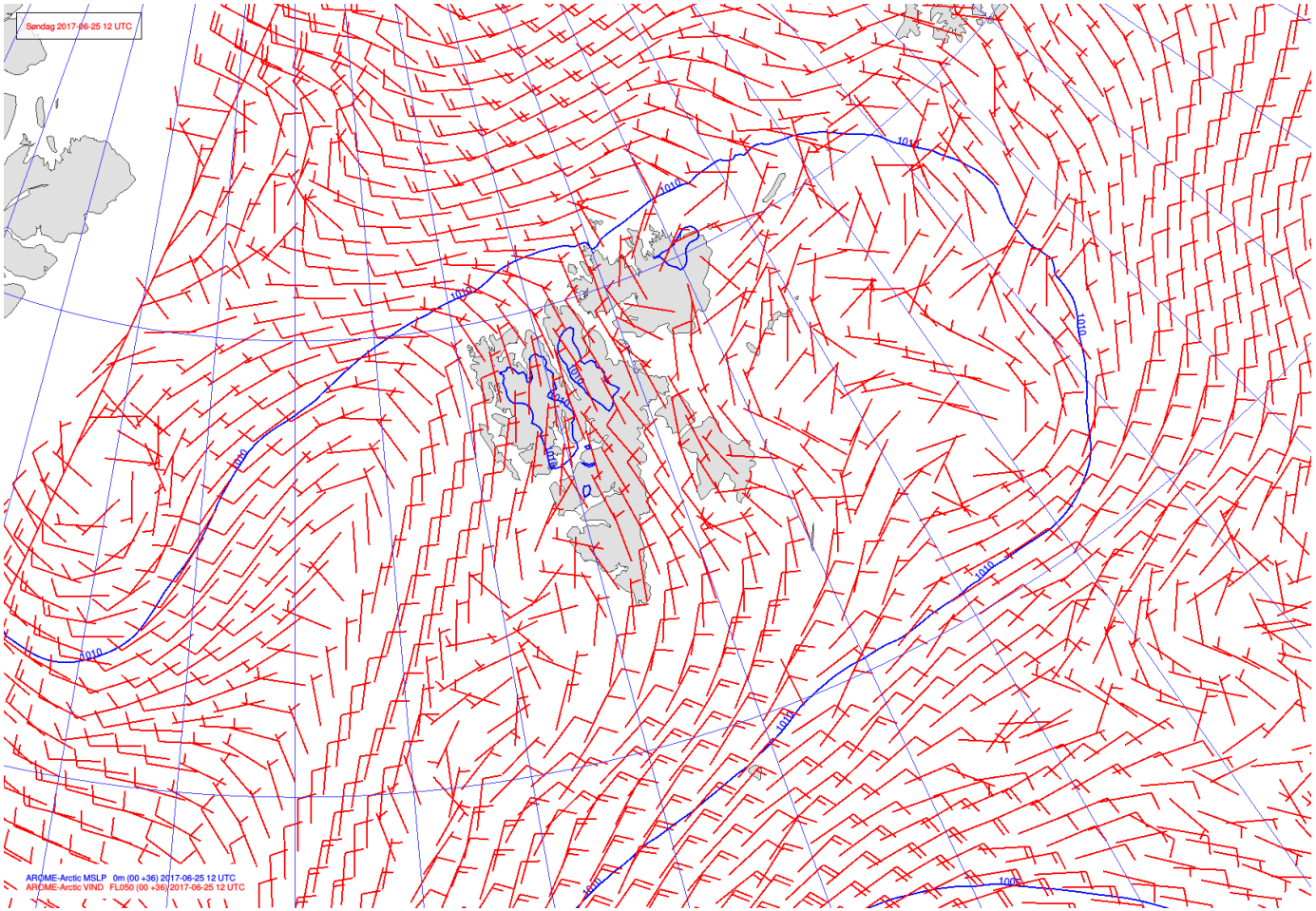
Sun Jun 25
12 UTC



AROME-Arctic

MSLP / V_{FL050}

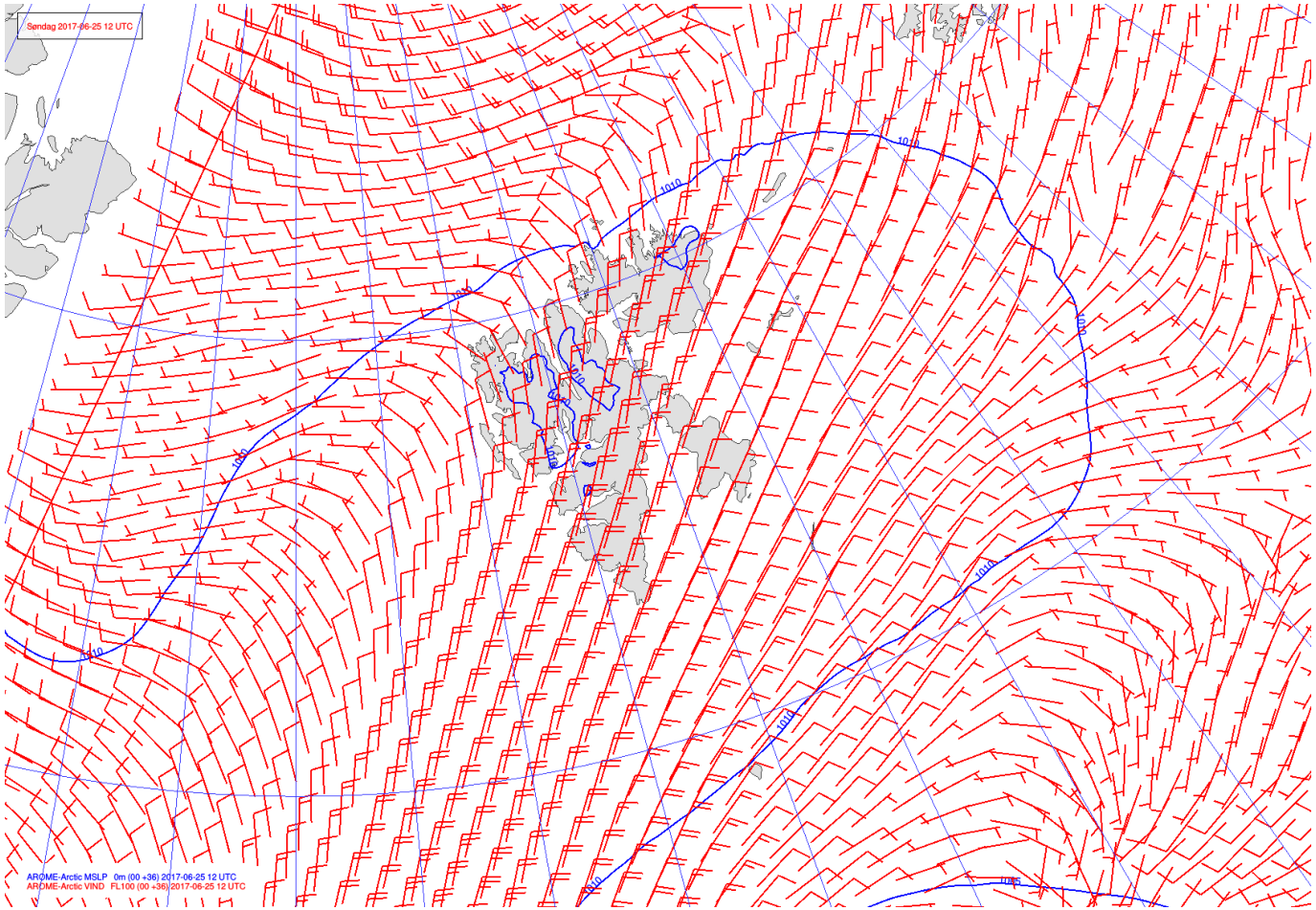
Sun Jun 25
12 UTC



AROME-Arctic

MSLP / V_{FL100}

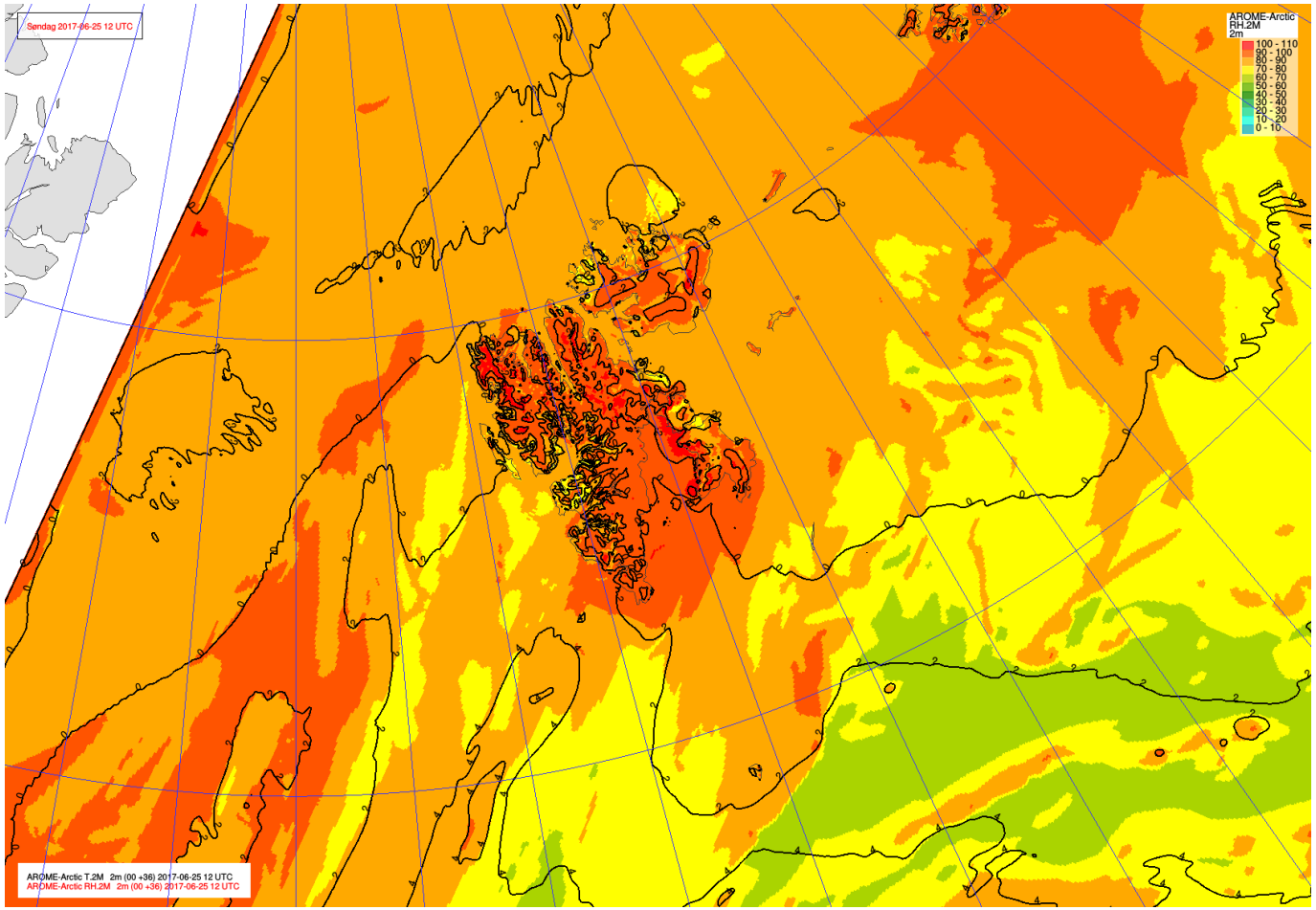
Sun Jun 25
12 UTC



AROME-Arctic

T_{2m} / RH_{2m}

Sun Jun 25
12 UTC



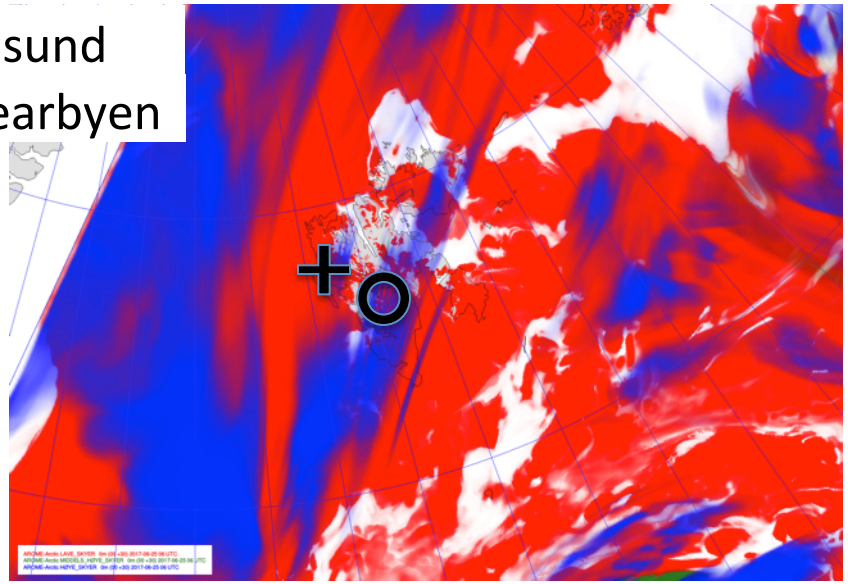
AROME-Arctic

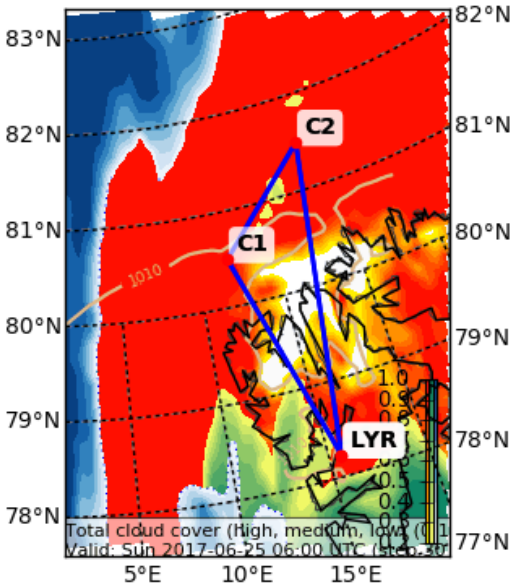
Cloud cover

Sun Jun 25
06 UTC

Low / Mid / High

+ Ny-Ålesund
O Longyearbyen

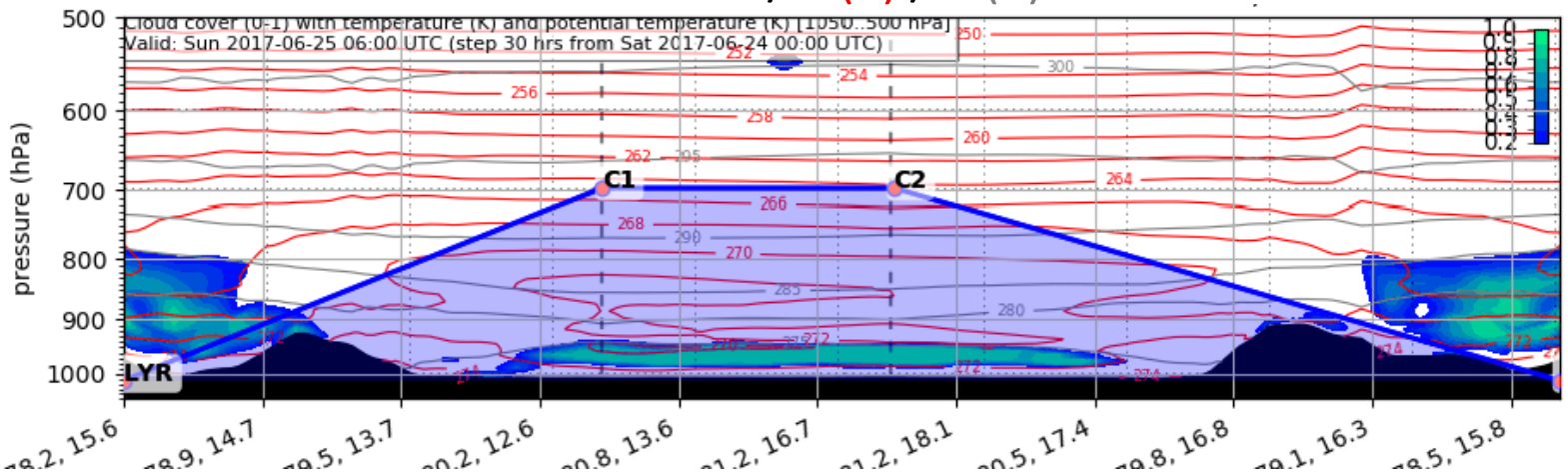




AROME-Arctic

ECMWF

Cloud cover / T (K) / θ (K)

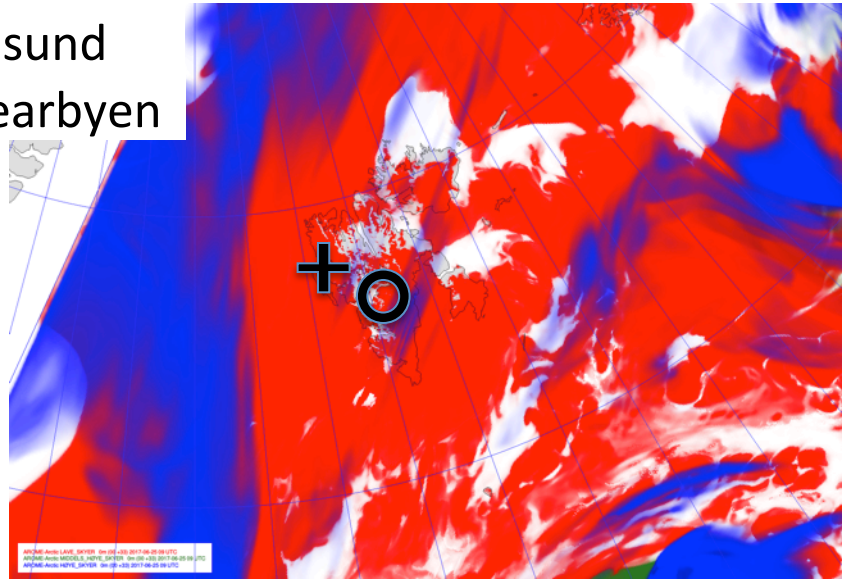


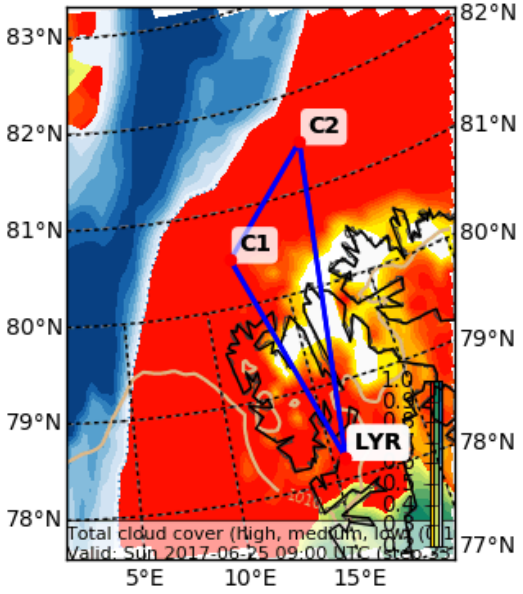
Sun Jun 25
09 UTC

Cloud cover

Low / Mid / High

+ Ny-Ålesund
O Longyearbyen

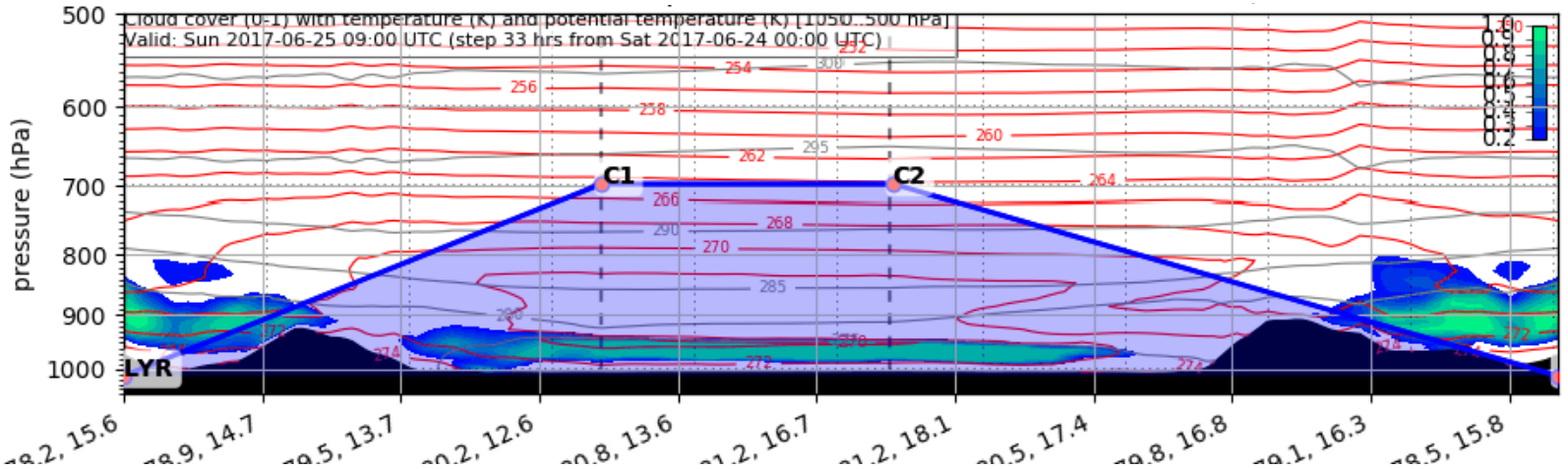




AROME-Arctic

ECMWF

Cloud cover / T (K) / θ (K)

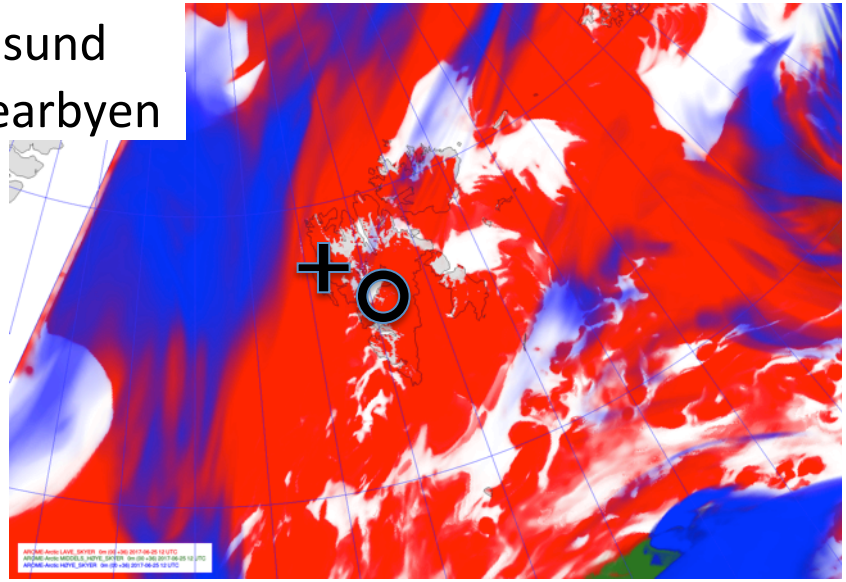


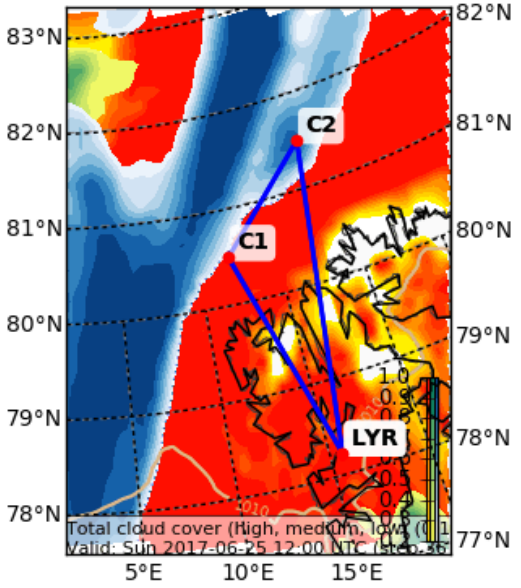
Cloud cover

Sun Jun 25
12 UTC

Low / Mid / High

✚ Ny-Ålesund
○ Longyearbyen

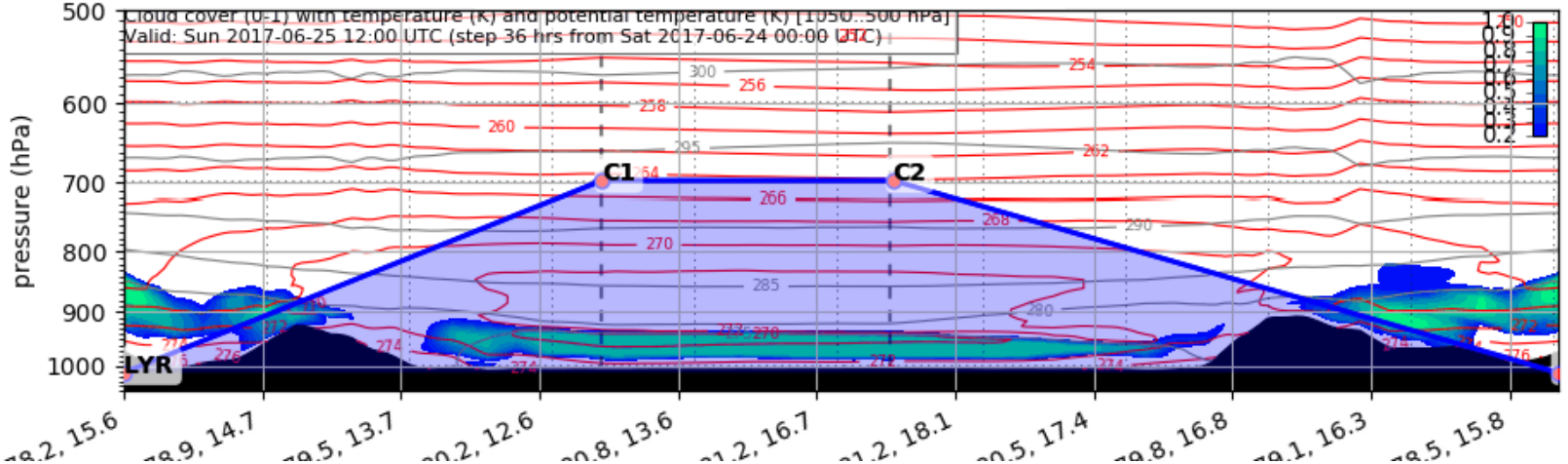




AROME-Arctic

ECMWF

Cloud cover / T (K) / θ (K)

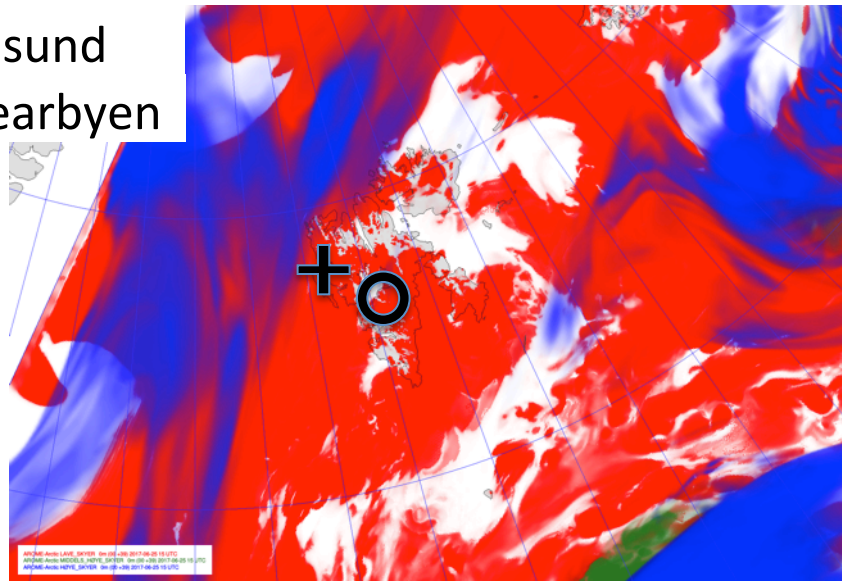


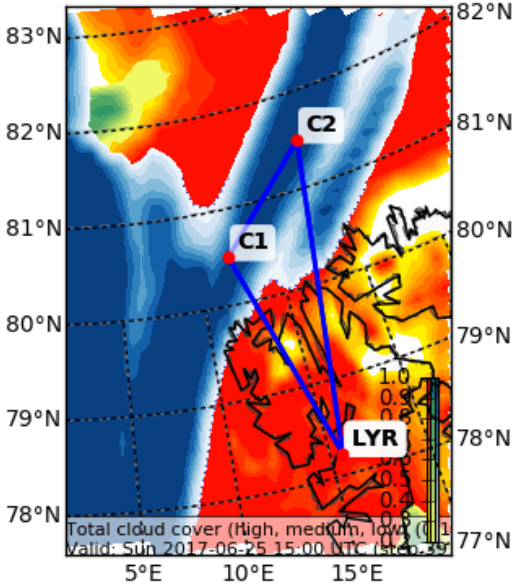
Cloud cover

Sun Jun 25
15 UTC

Low / Mid / High

+ Ny-Ålesund
O Longyearbyen

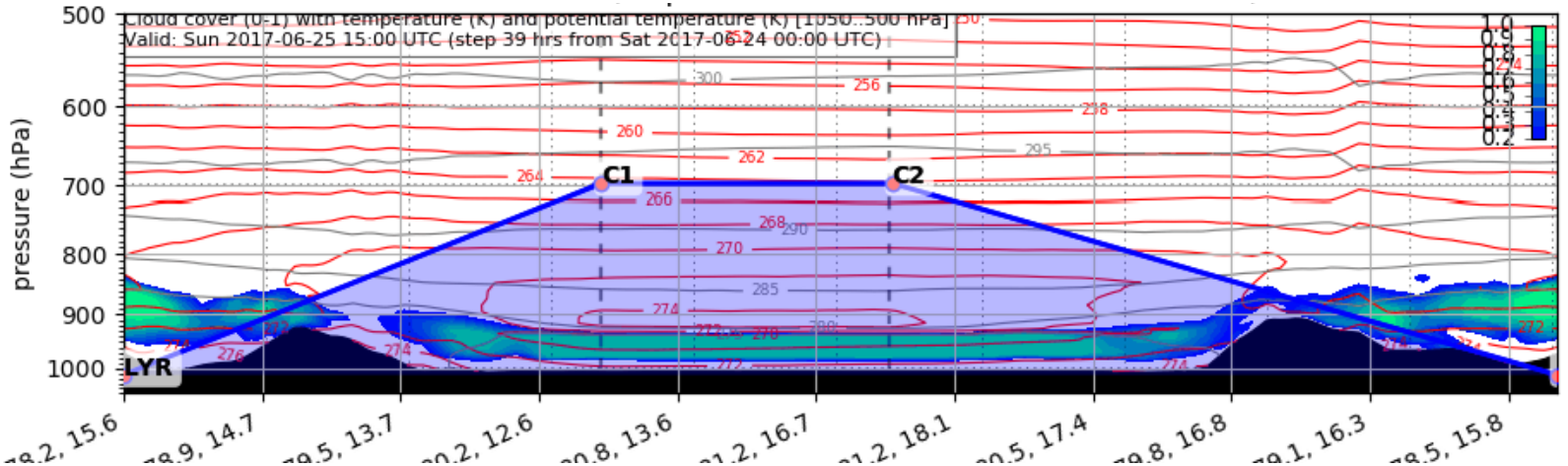




AROME-Arctic

ECMWF

Cloud cover / T (K) / θ (K)

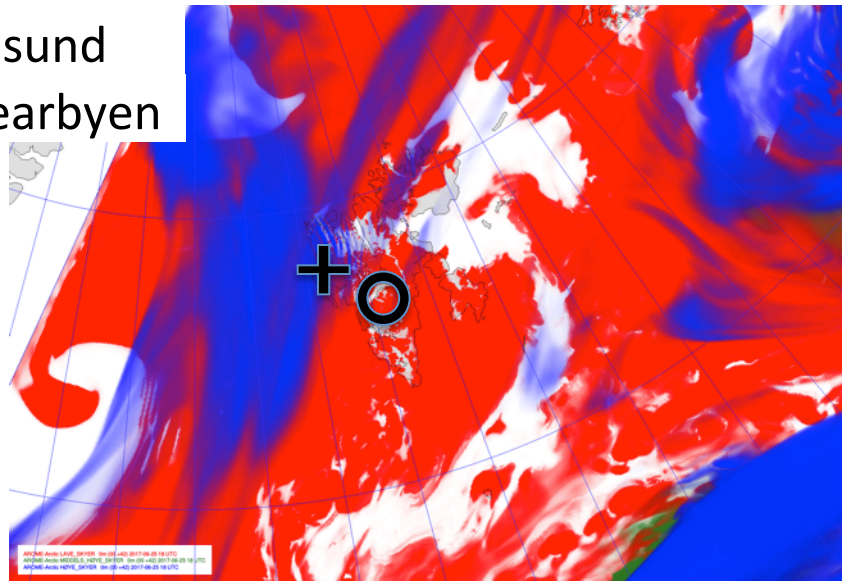


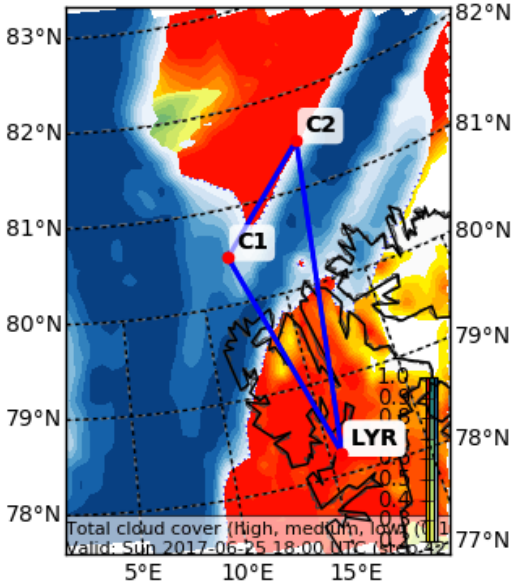
Sun Jun 25
18 UTC

Cloud cover

Low / Mid / High

Ny-Ålesund
Longyearbyen

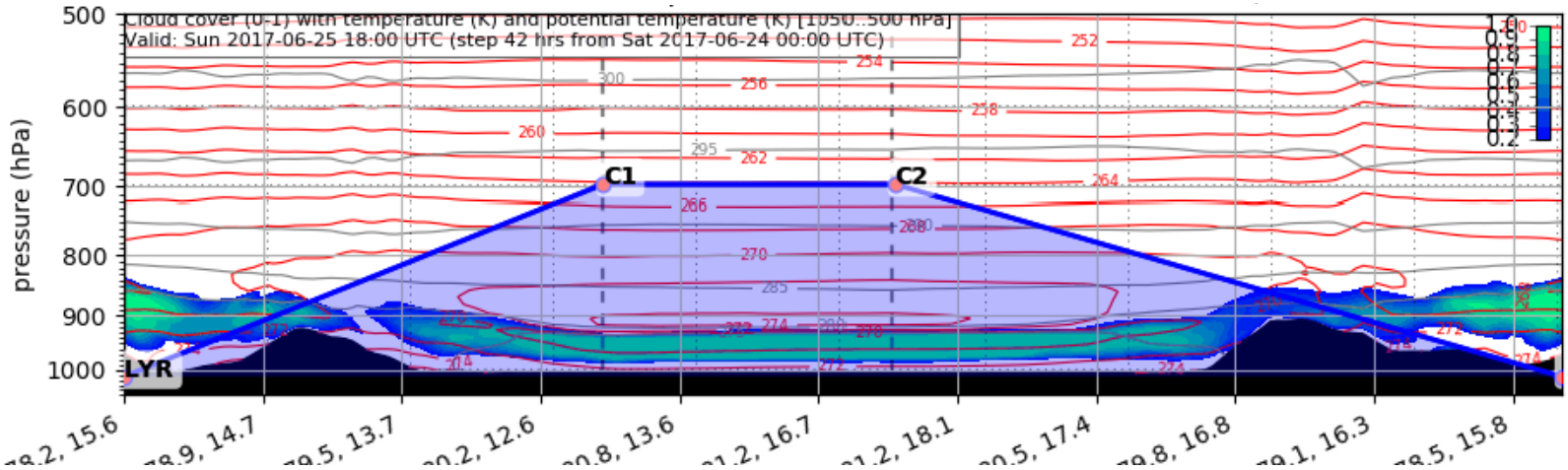




AROME-Arctic

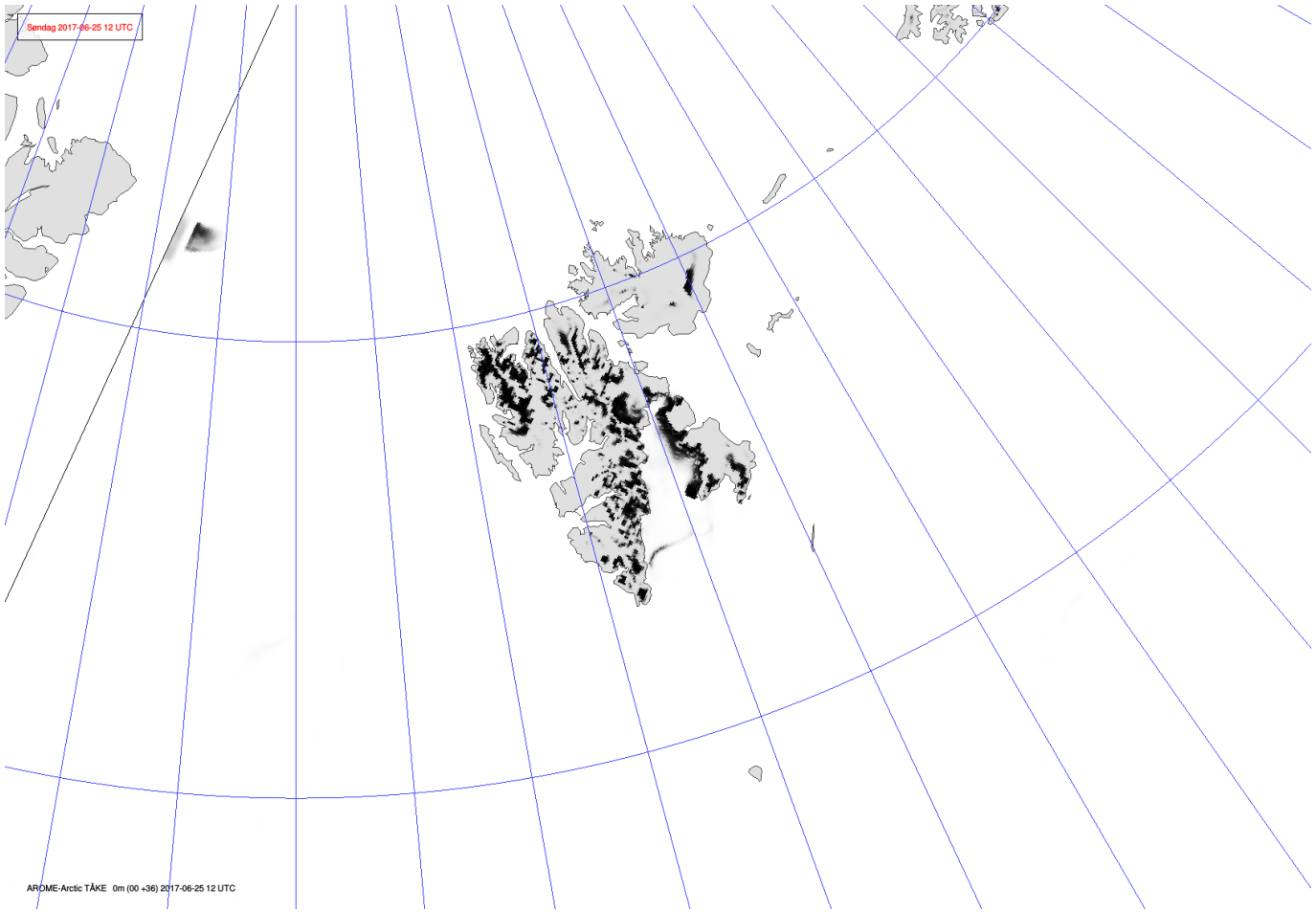
ECMWF

Cloud cover / T (K) / θ (K)



Fog

Sun Jun 25
12 UTC

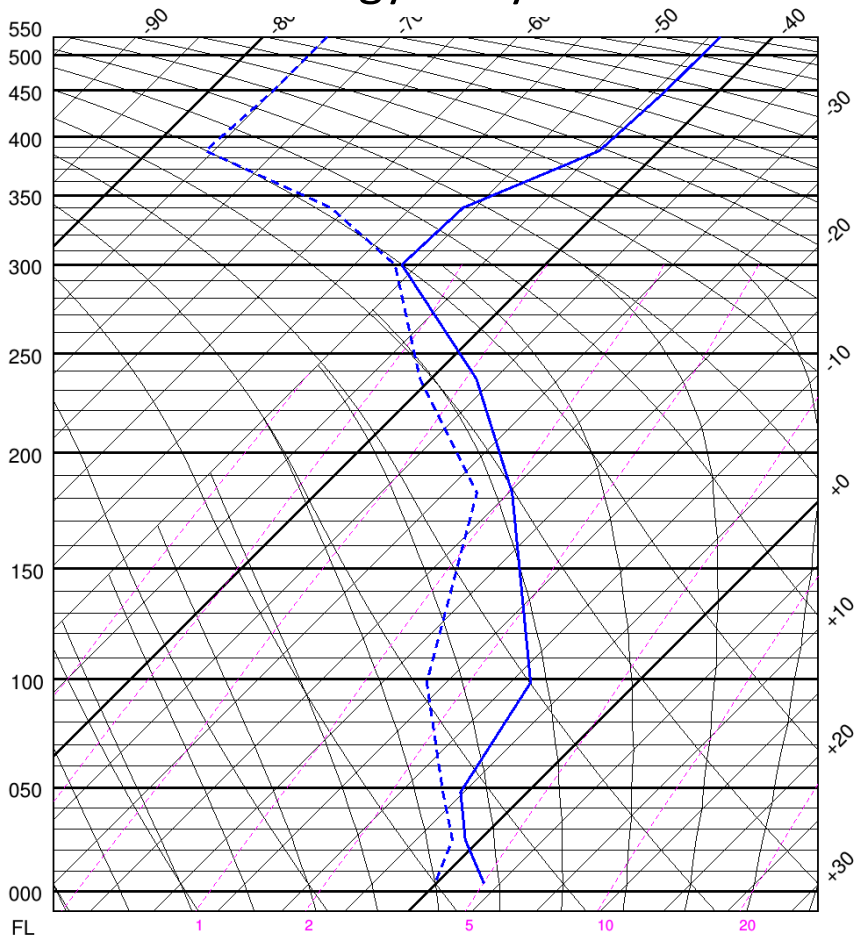


AROME-Arctic

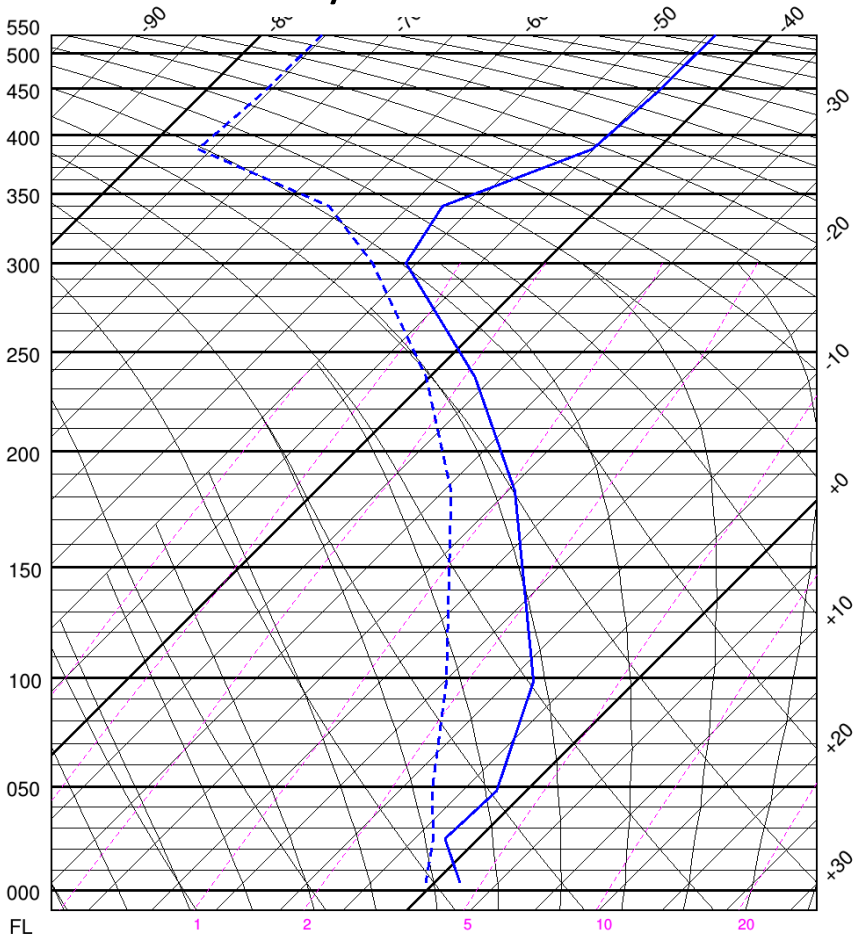
Vertical profiles

Sun Jun 25
12 UTC

Longyearbyen



Ny-Ålesund



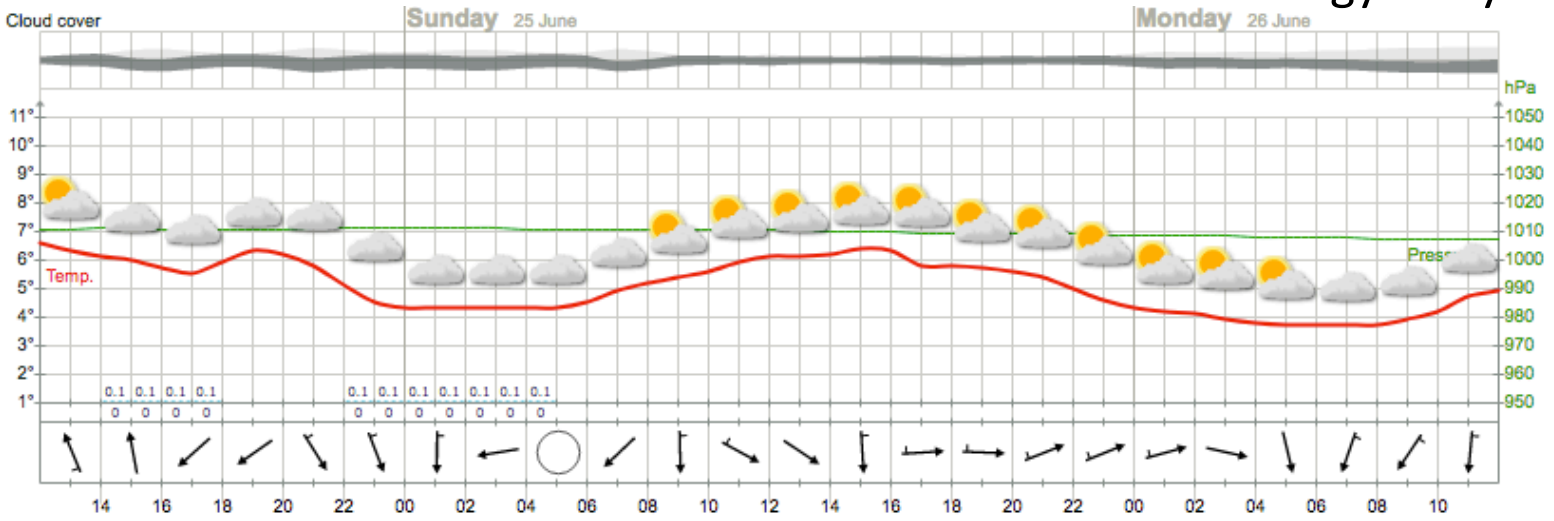
EC-Geo

Outlook
Mon 26 – Wed 28 June 2017

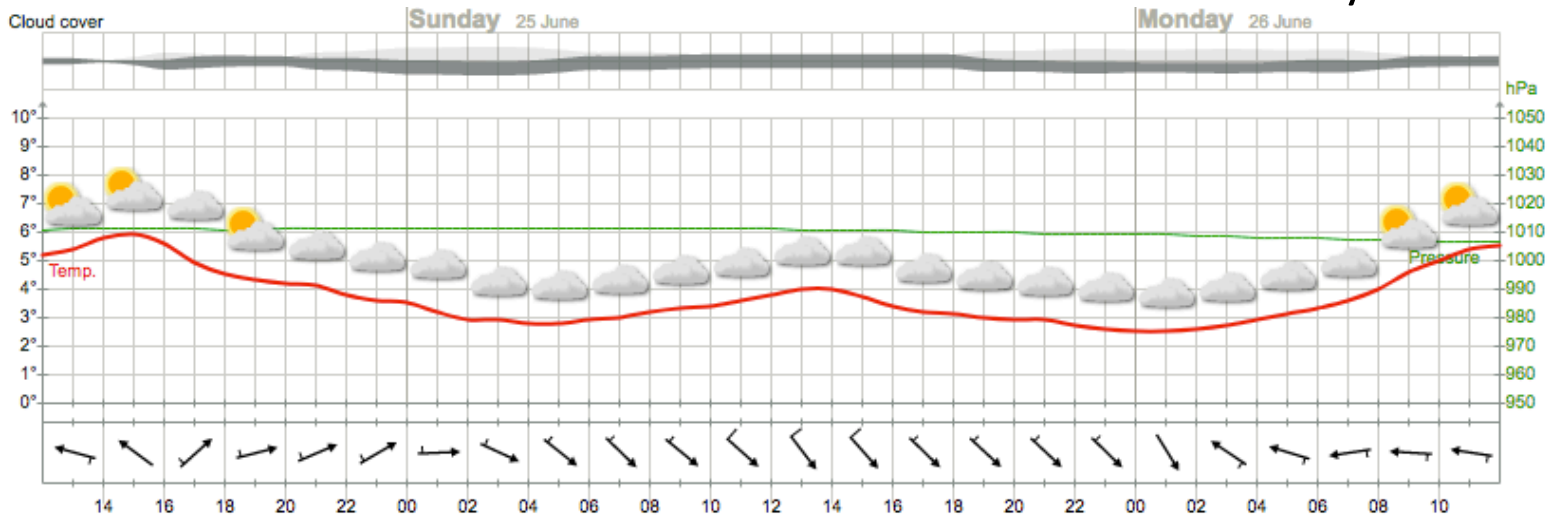
Meteogram

Sat Jun 24 – Mon Jun 26

Longyearbyen

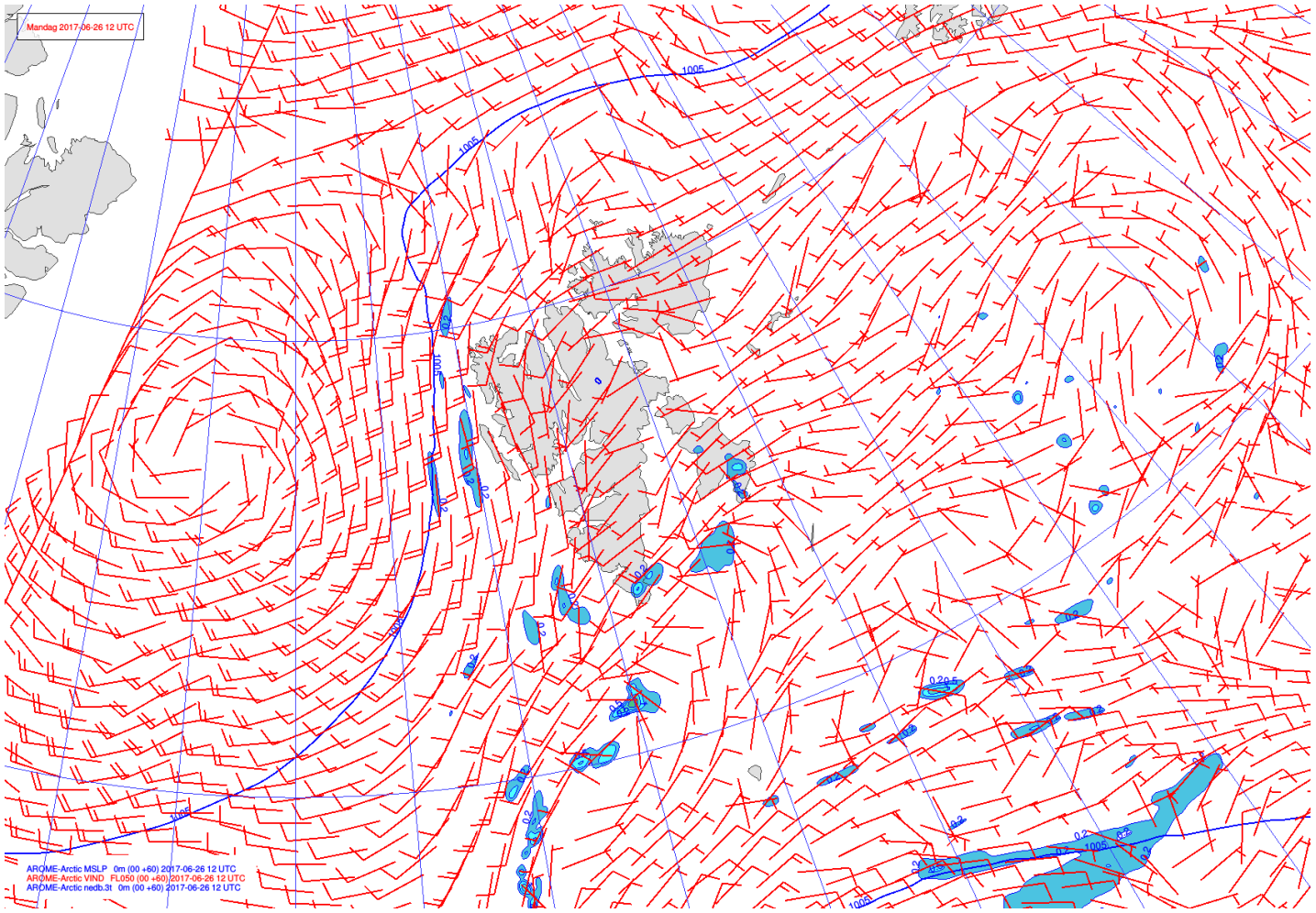


Ny-Ålesund



MSLP/ v_{FL050} / Precipitation

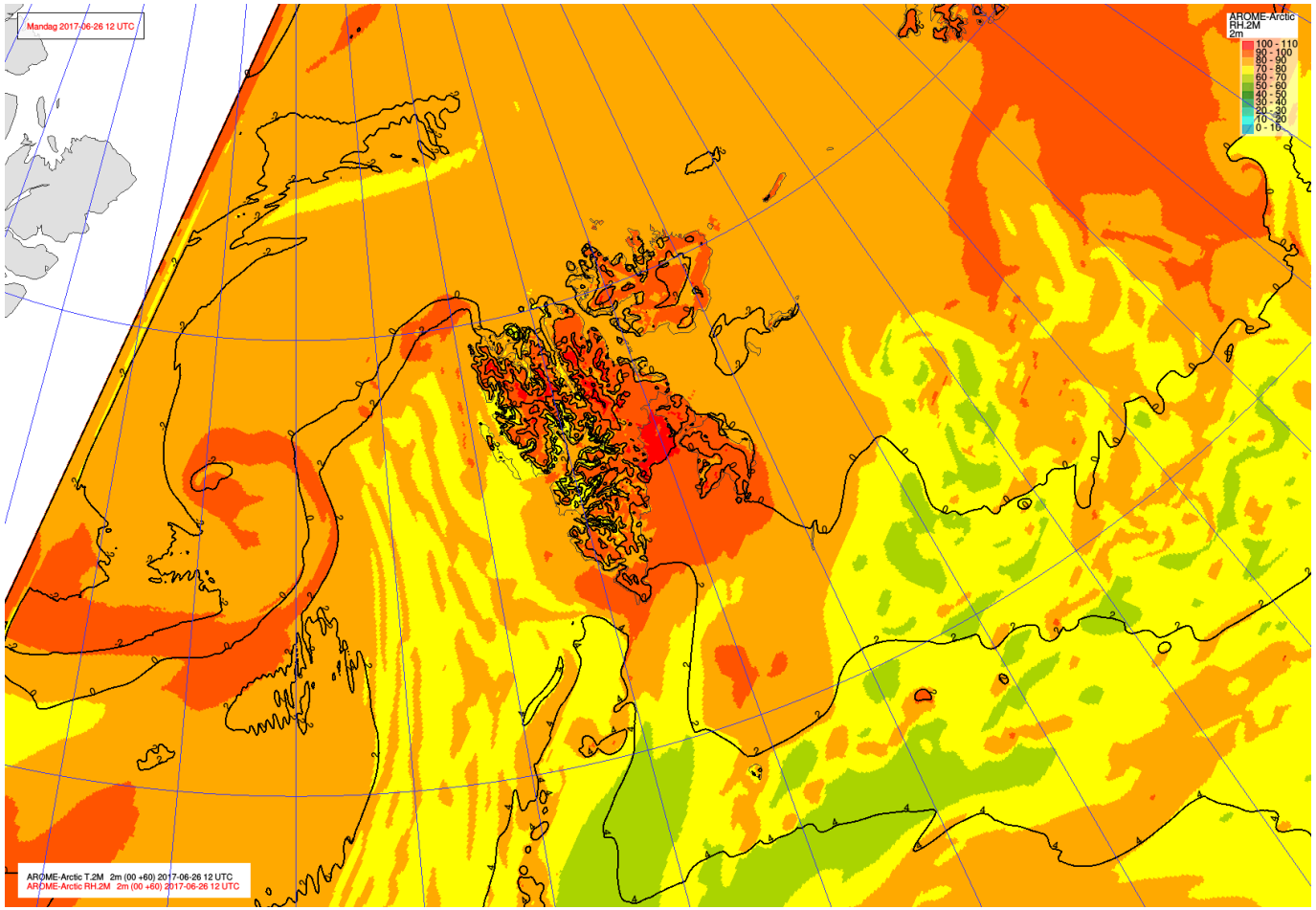
Mon Jun 26
12 UTC



AROME-Arctic

T_{2m} / RH_{2m}

Mon Jun 26
12 UTC



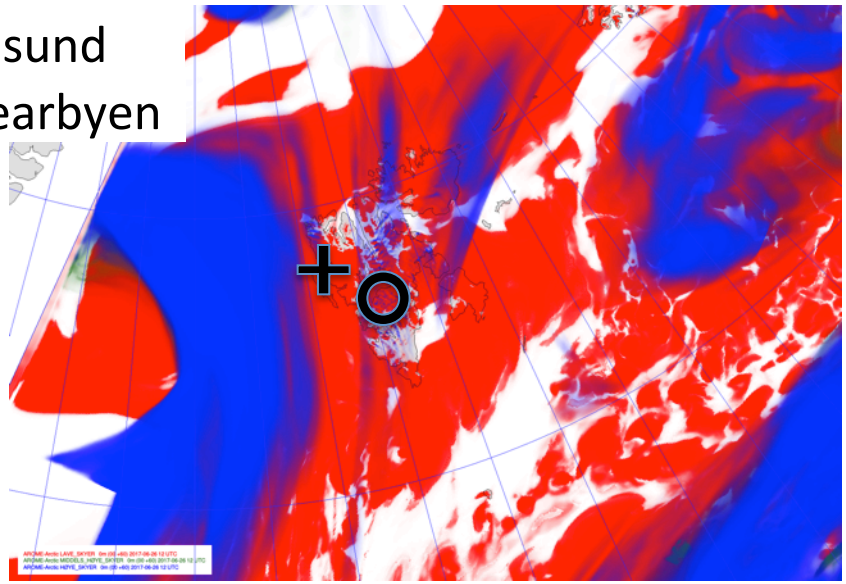
AROME-Arctic

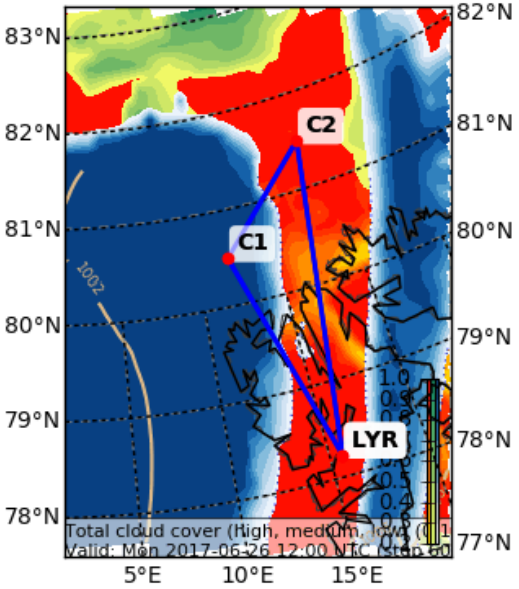
Mon Jun 26
12 UTC

Cloud cover

Low / Mid / High

✚ Ny-Ålesund
○ Longyearbyen

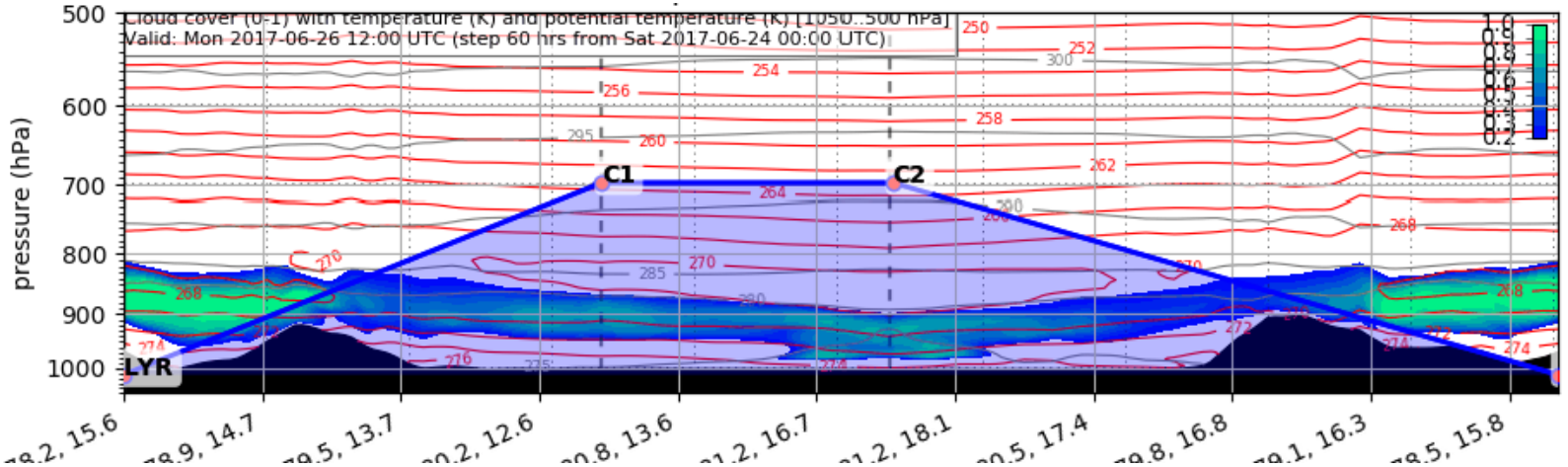




AROME-Arctic

ECMWF

Cloud cover / T (K) / θ (K)



Fog

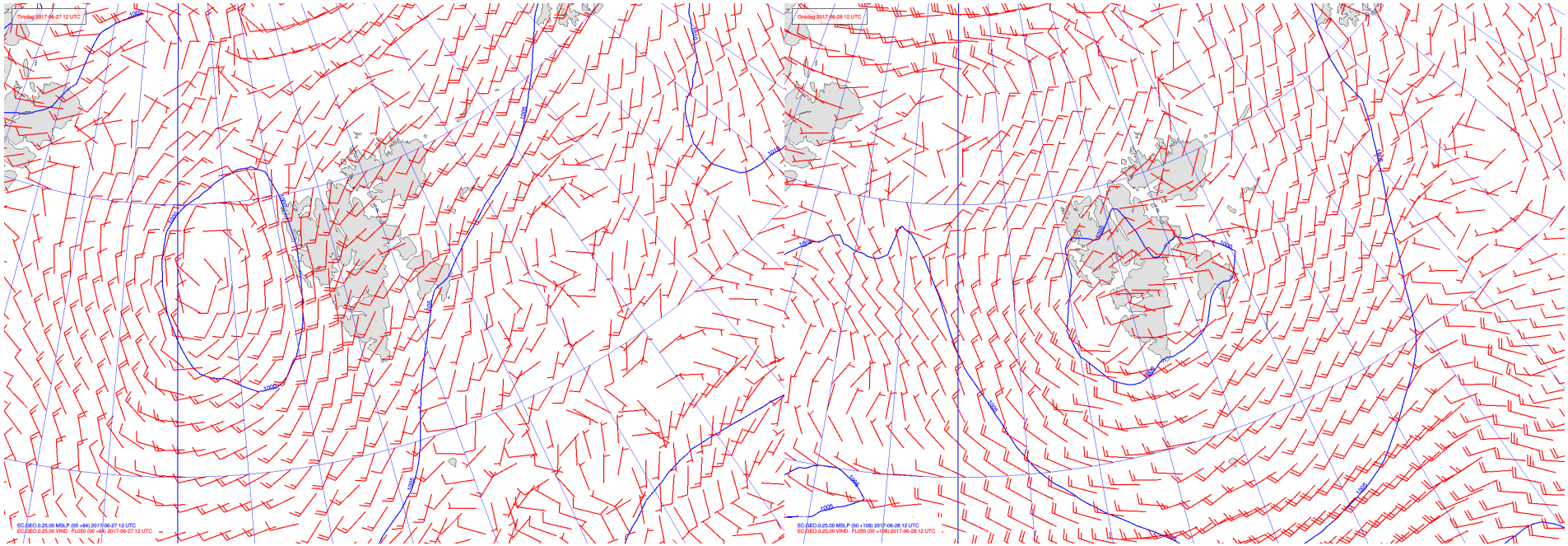
Mon Jun 26
12 UTC

AROME-Arctic

MSLP / V_{FL050}

Tue Jun 27
12 UTC

Wed Jun 28
12 UTC



EC-Geo