Weather briefing

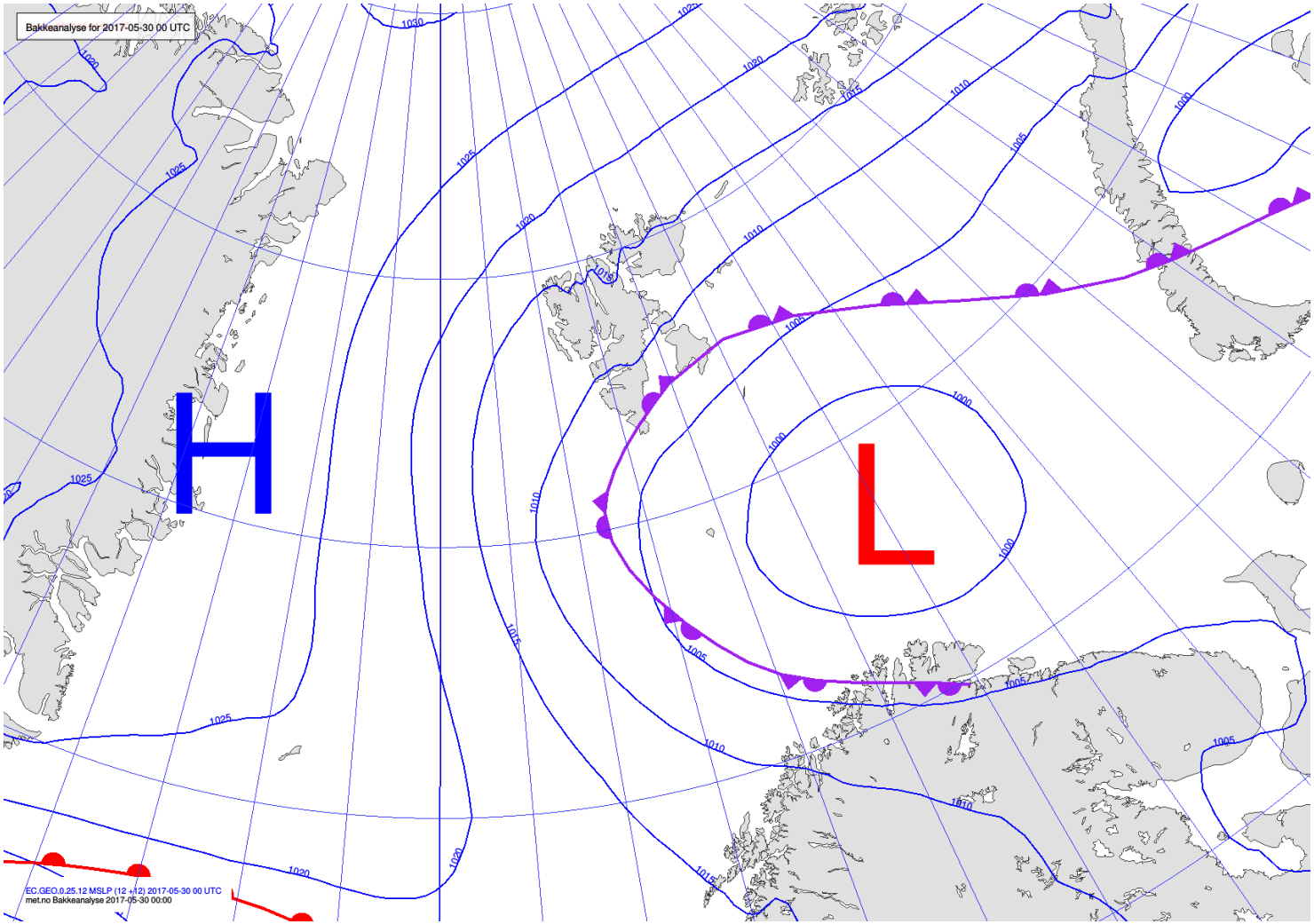
ACLOUD Longyearbyen, Svalbard

Tue 30 May 2017 – **Wed 31 May** – Fri 2 June 2017

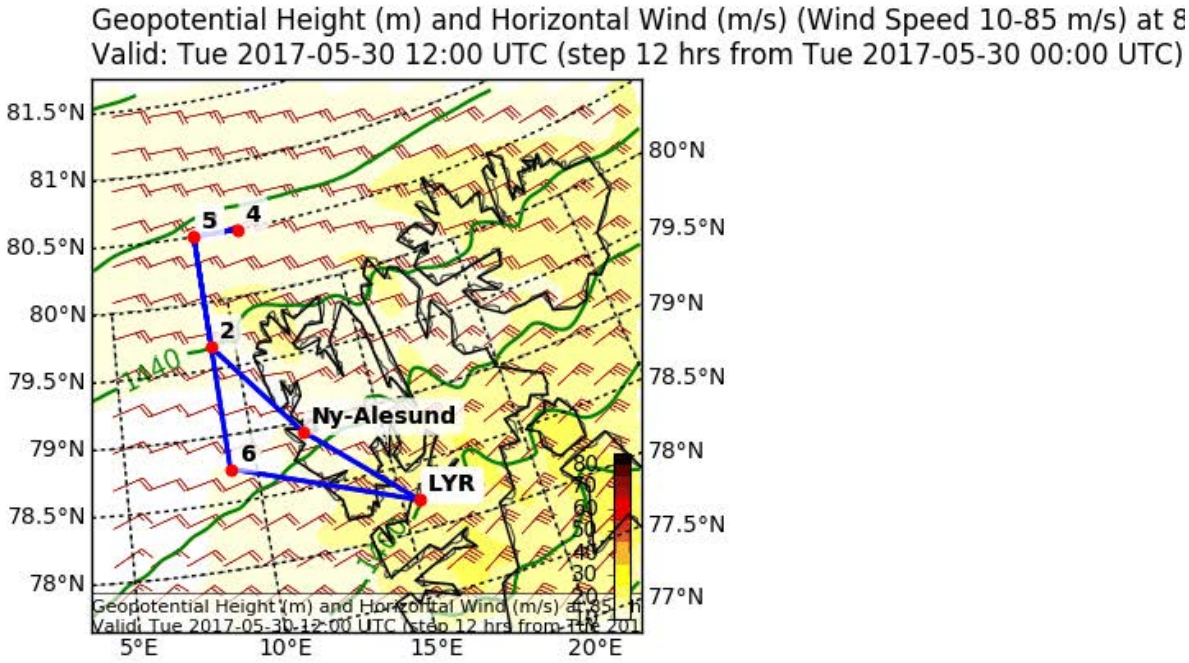
Summary

A low in the Barents Sea directs a northeasterly windflow over Svalbard area. Snow in north and east areas, in central regions cloudy or partly cloudy and mainly dry, clear conditions to the west. Low clouds overlain with few cirrus at todays position of RV Polarstern (approx. 76°N / 8°E).

Analysis 30 May 2017 @ 12 UTC

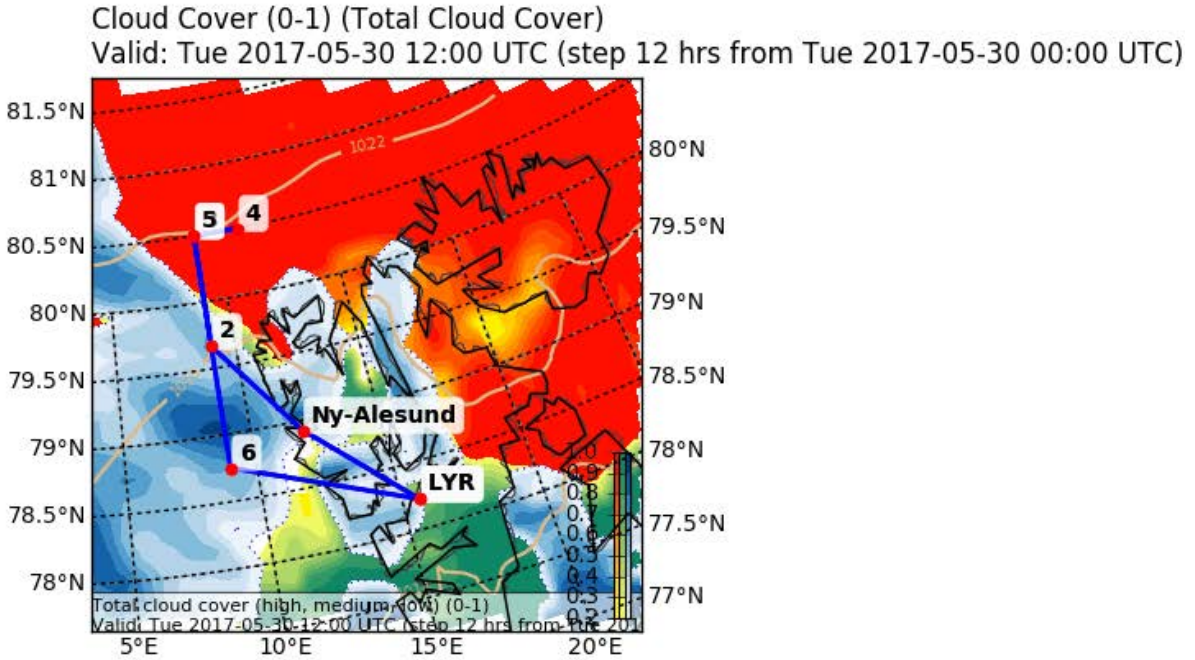


Wind
Today 12 UTC

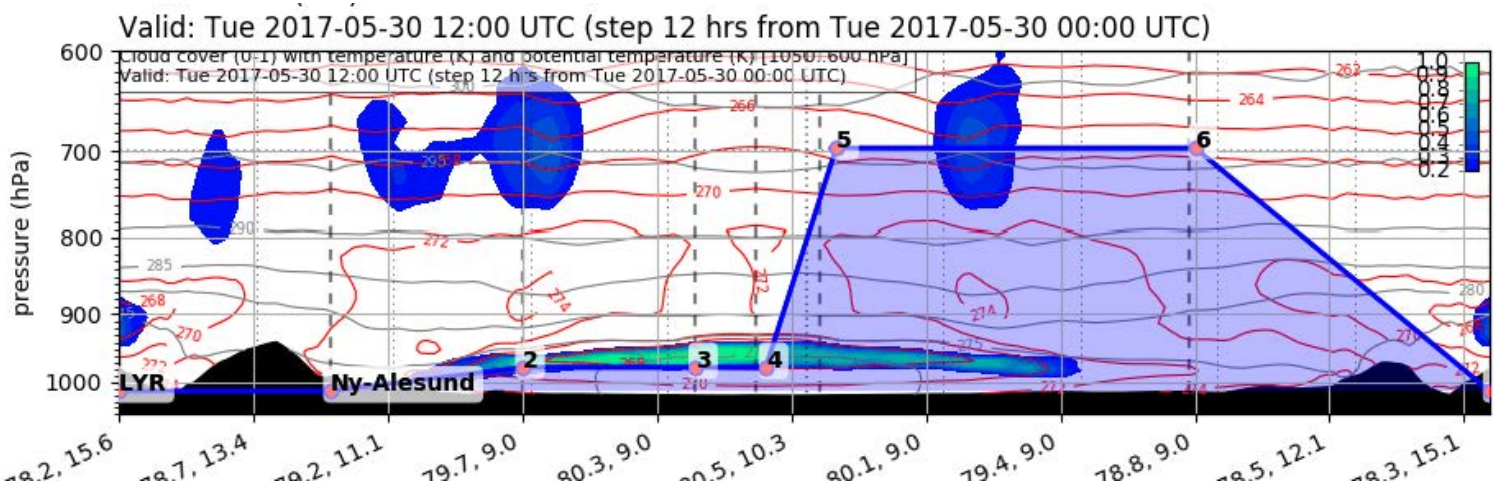


EPSG:77790000

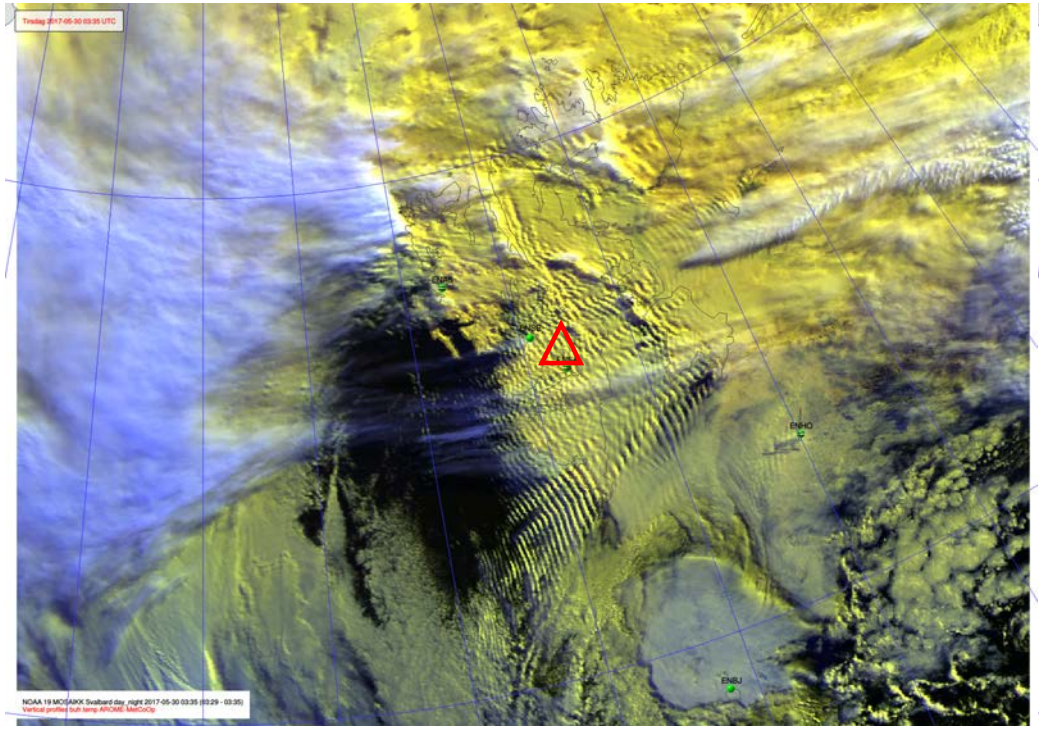
Clouds
Today 12 UTC



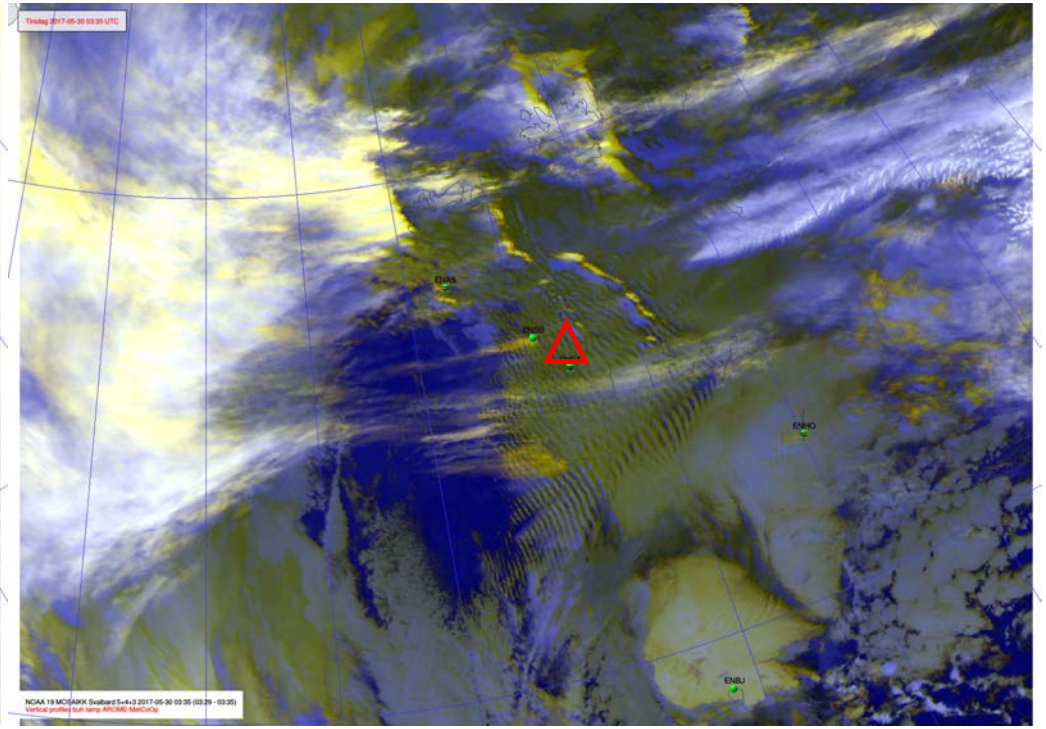
EPSG:77790000



NOAA-19 30 May 2017 @ 0335 UTC

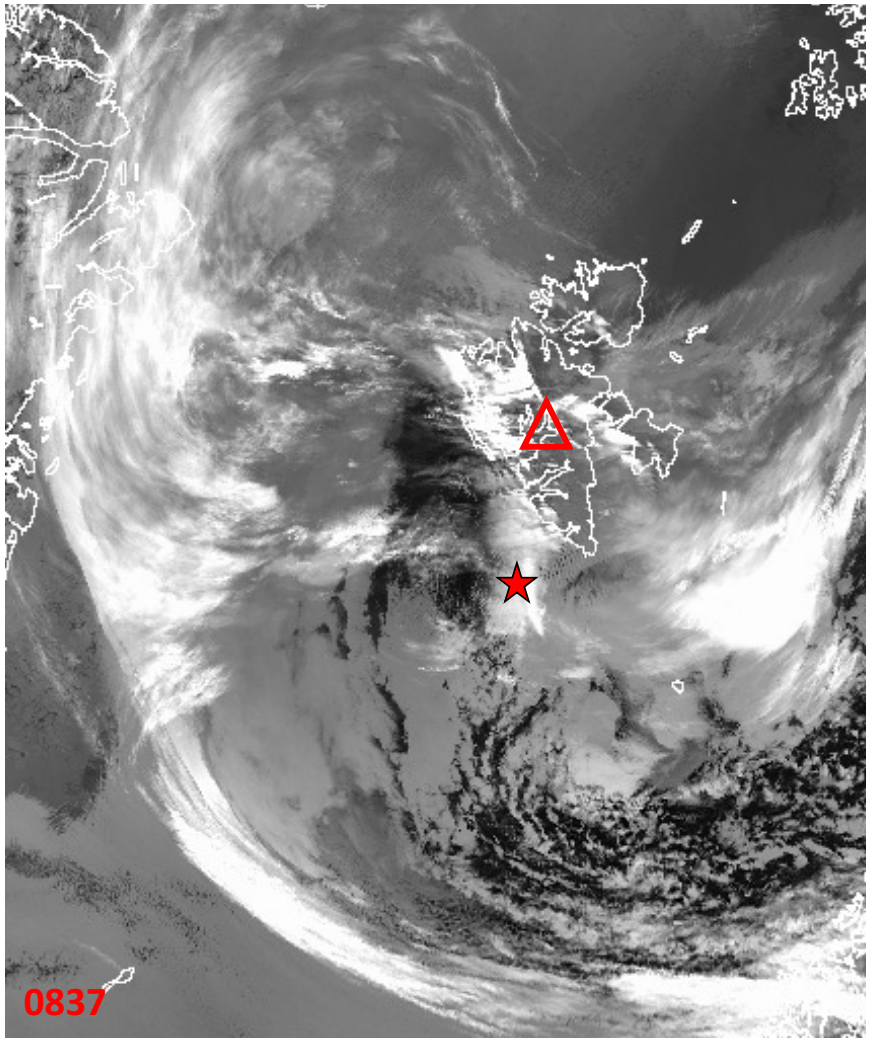


10.8 µm



IR, Ch 5+4+3

NOAA-19 30 May 2017 @ 0837 UTC

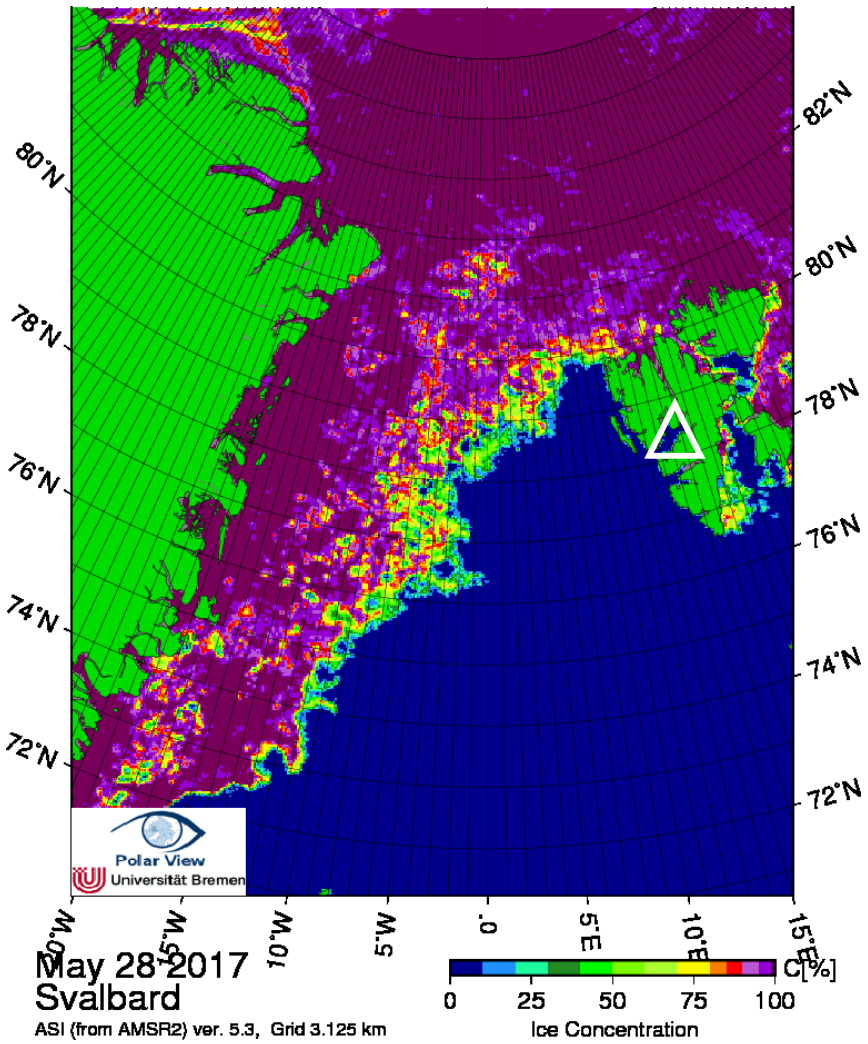


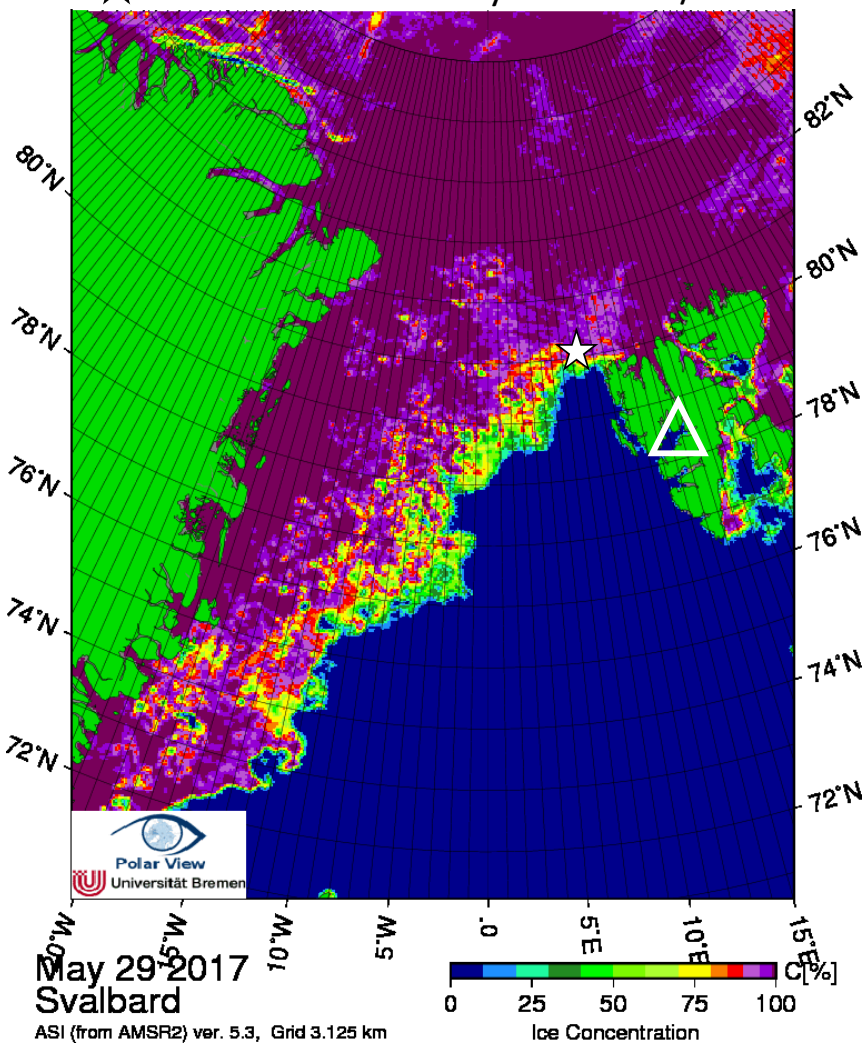
★ RV Polarstern (76°N/8°E)

10.8 µm

Arctic sea ice 28 & 29 May 2017

☆ RV Polarstern 31 May 80°01.5’N/8°08.7’E

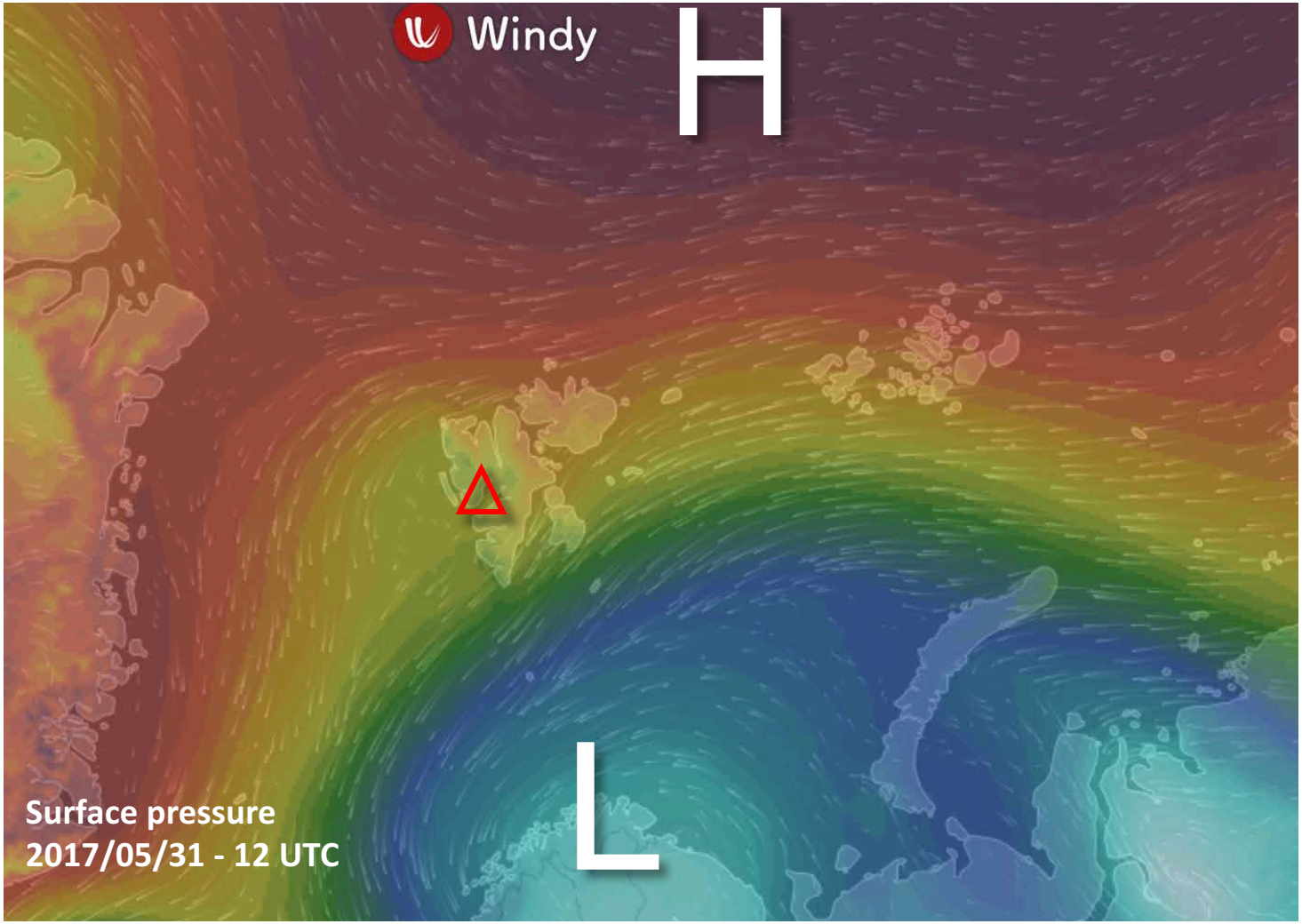




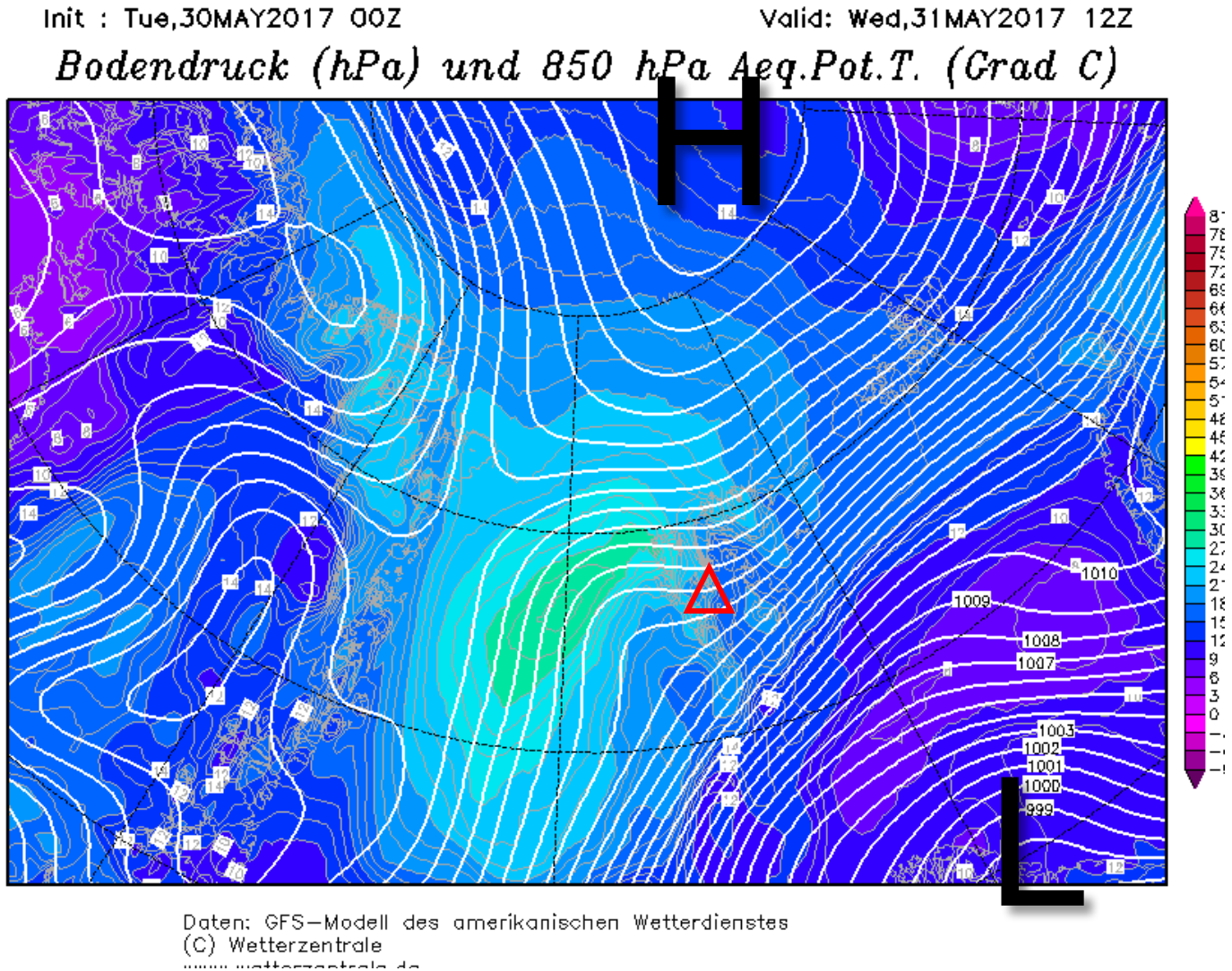
Flight Day

Wed 31 May 2017

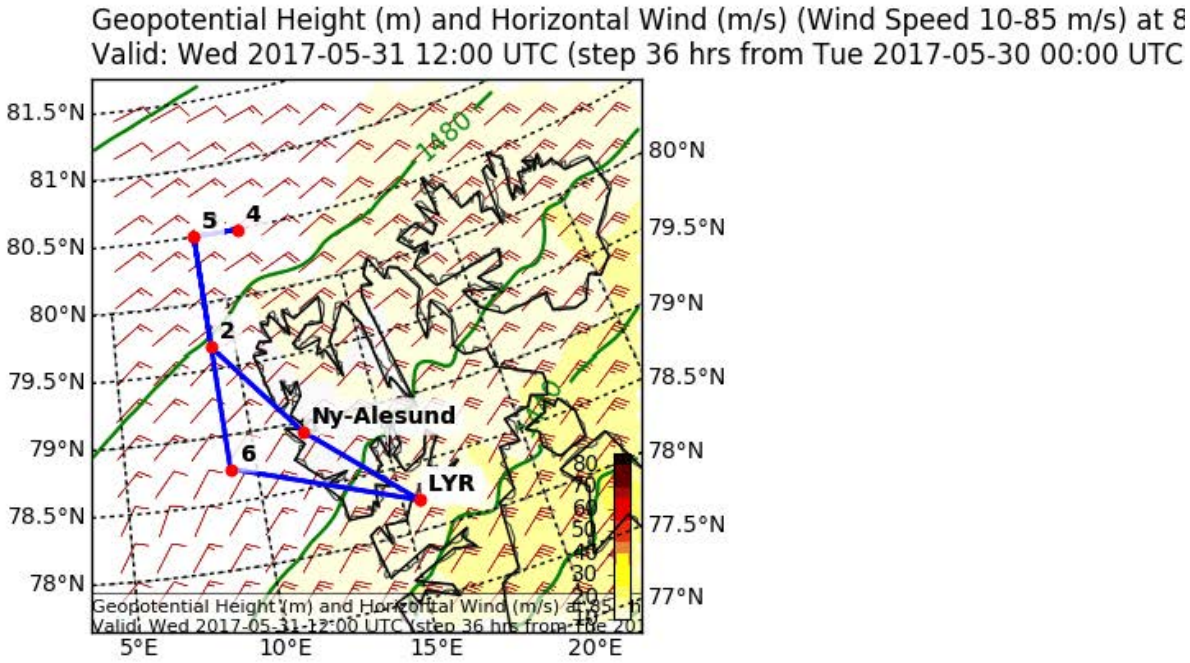
General Situation Wed 31 May 2017



850-hPa Theta Equiv. 31 May 2017 @ 12 UTC



Wind
Tomorrow 12 UTC

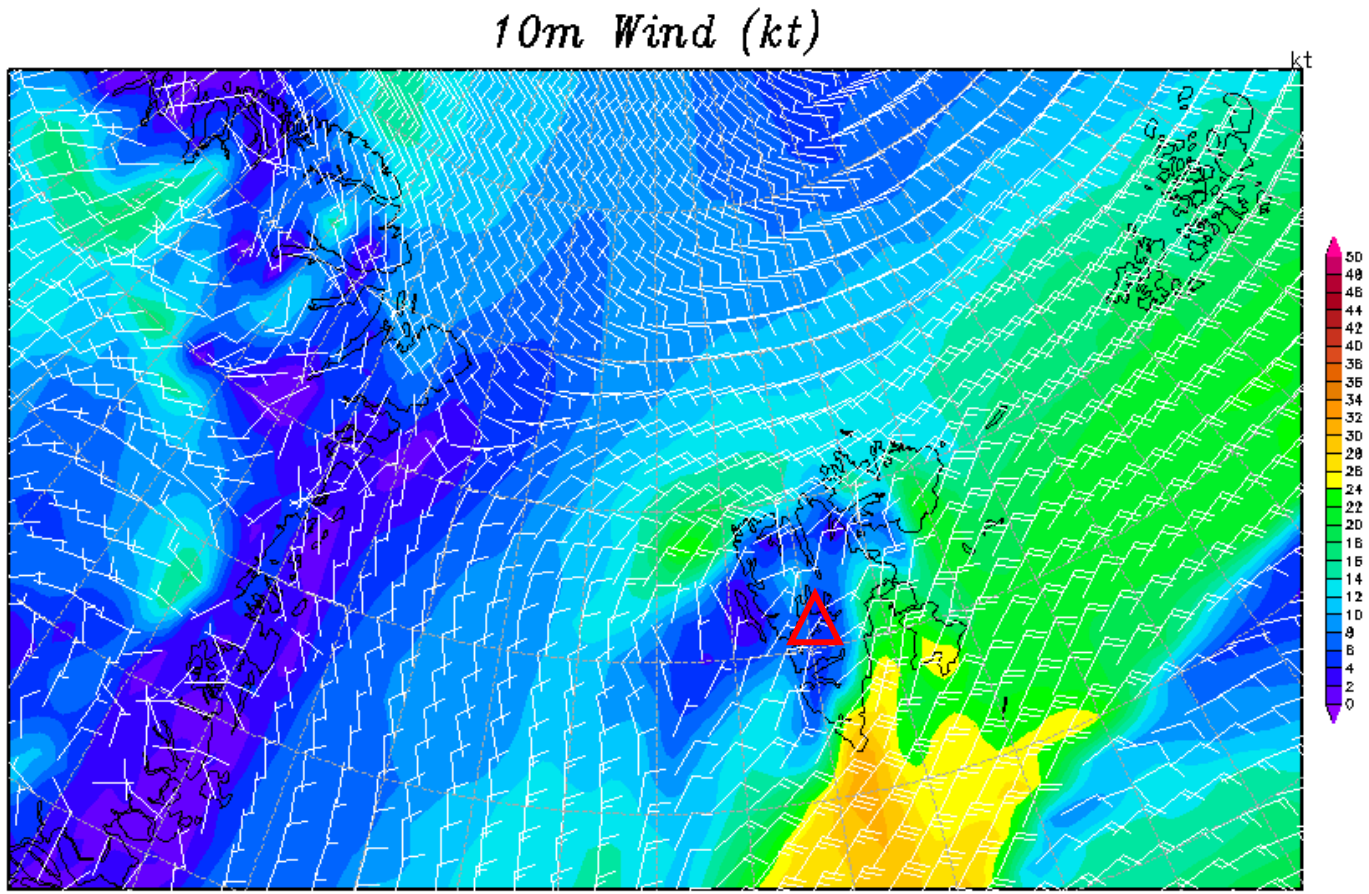


EPSG:77790000

10-m Wind 31 May 2017 @ 12 UTC

Init : Tue,30MAY2017 00Z

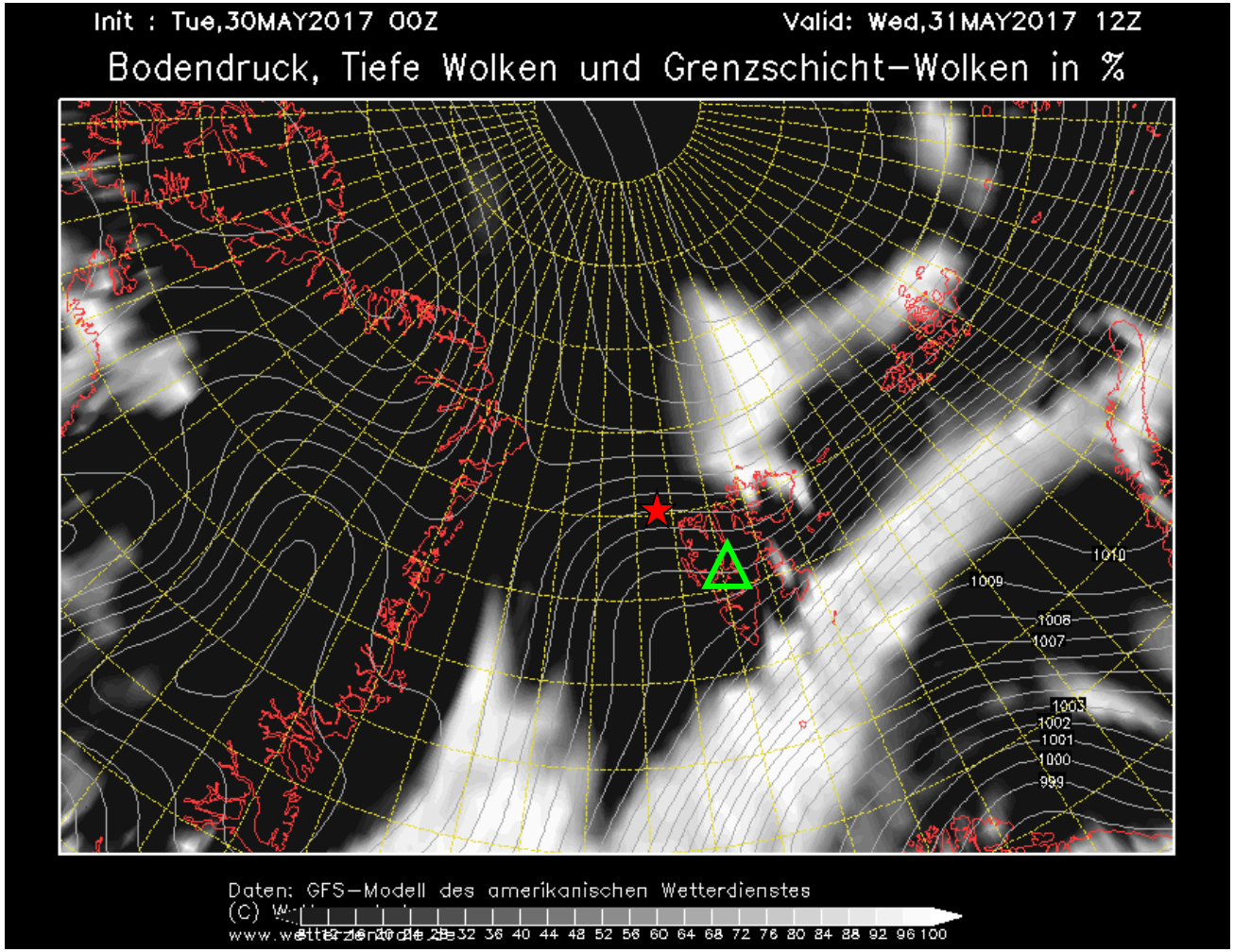
Valid: Wed,31MAY2017 12Z



Daten: GFS-Modell des amerikanischen Wetterdienstes
(C) Wetterzentrale
www.wetterzentrale.de

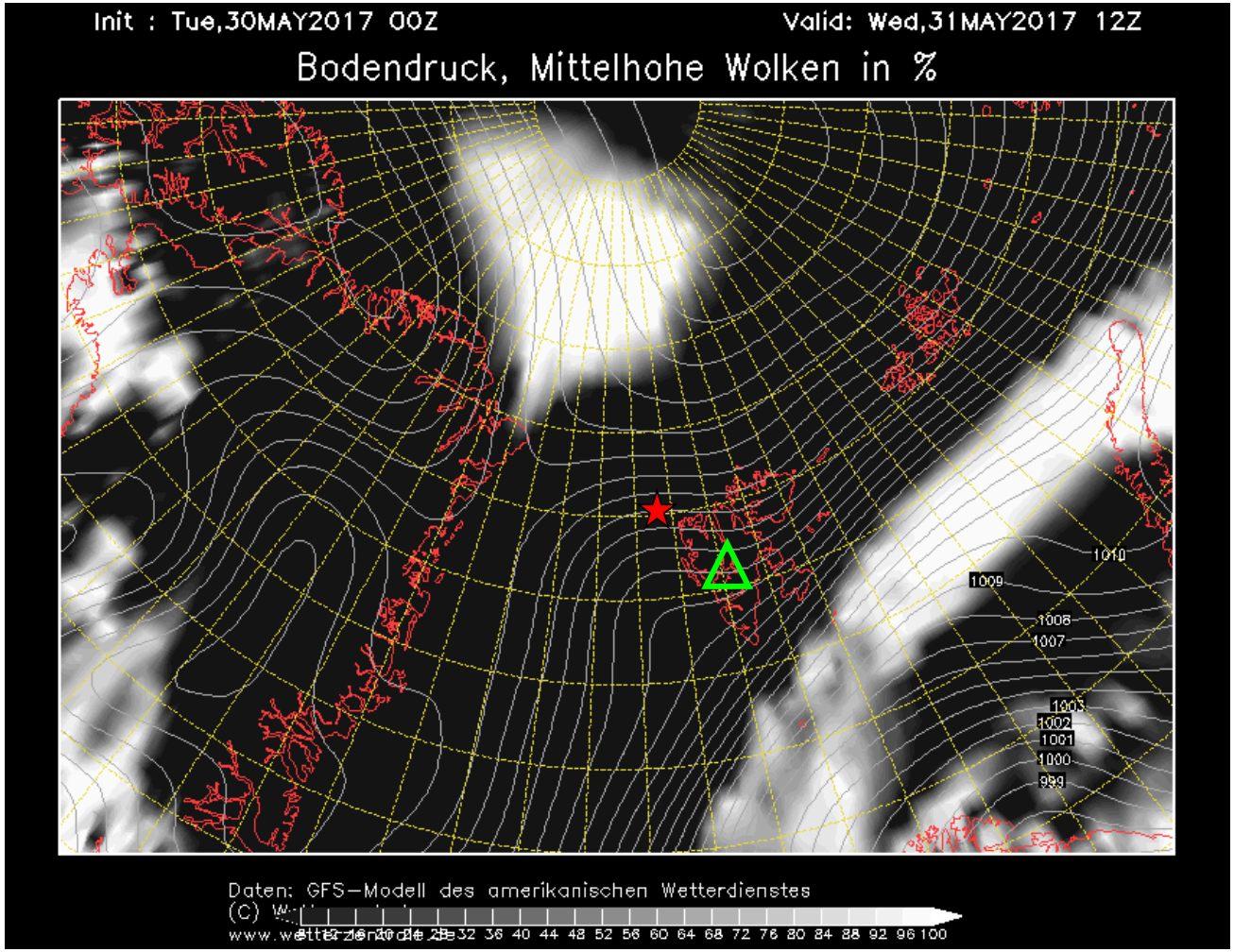
Low-level cloud cover 31 May 2017 @ 12 UTC

★ RV Polarstern (80° 01.5’ N / 9° 08.7’E)



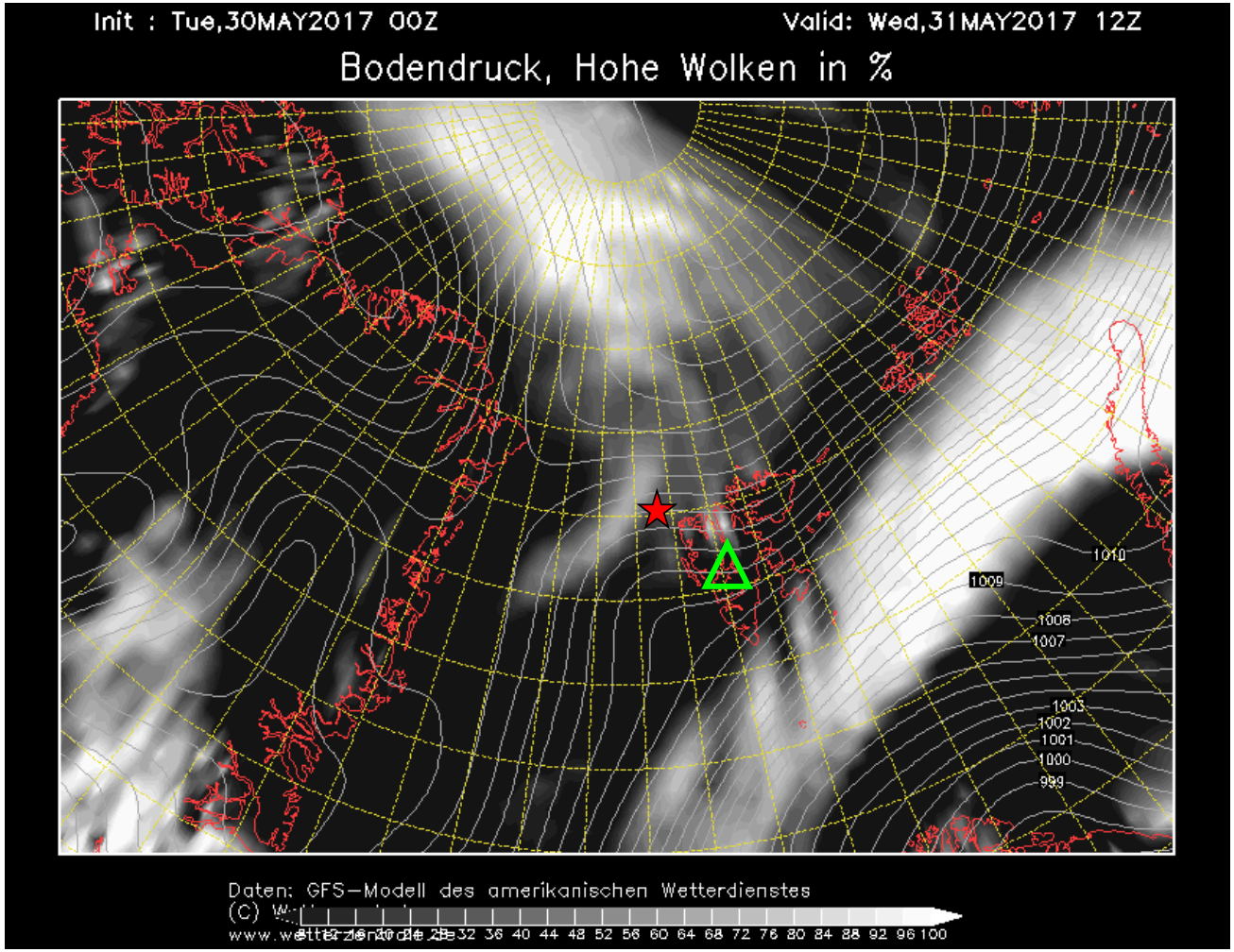
Mid-level cloud cover 31 May 2017 @ 12 UTC

★ RV Polarstern (80° 01.5’ N / 9° 08.7’E)

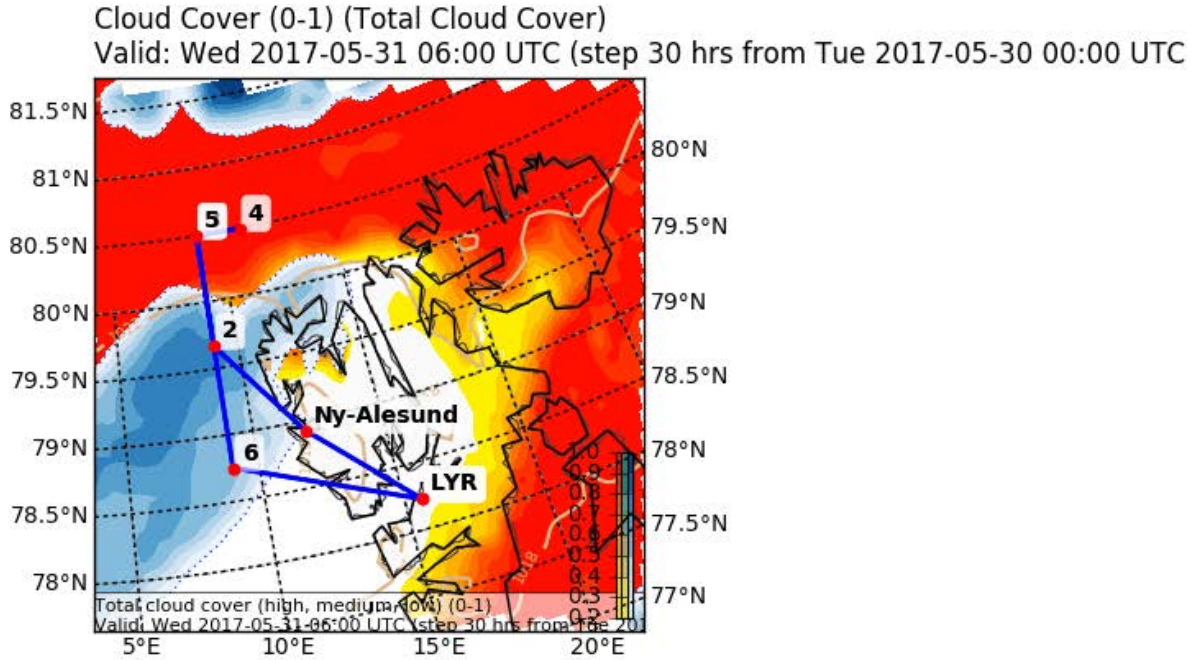


High-level cloud cover 31 May 2017 @ 12 UTC

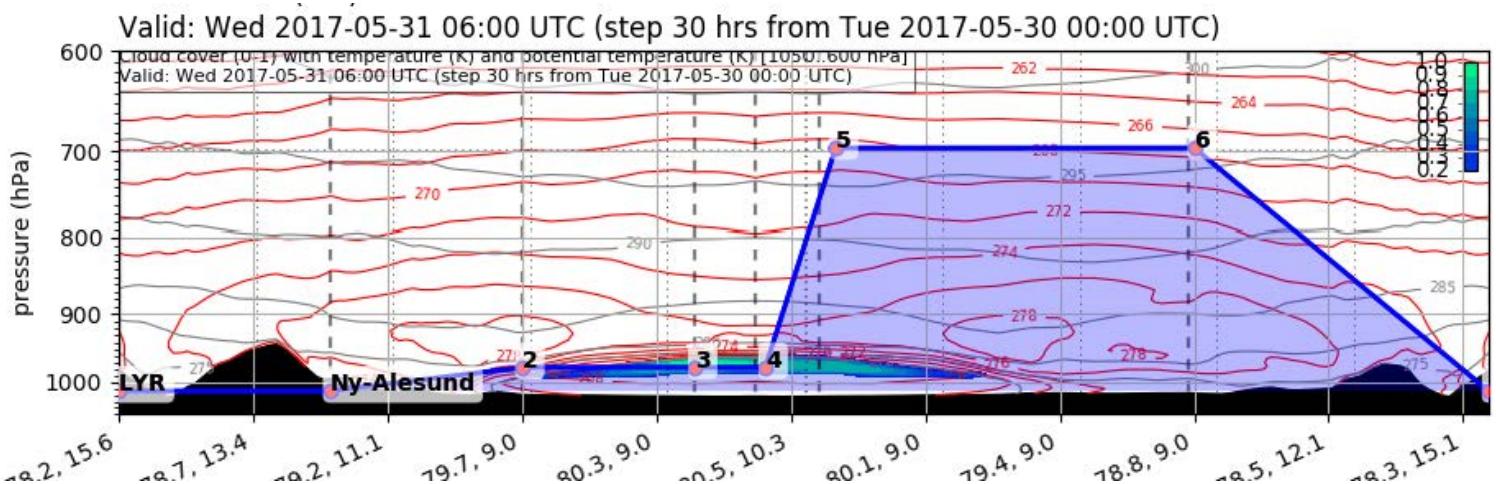
★ RV Polarstern (80° 01.5’ N / 9° 08.7’E)



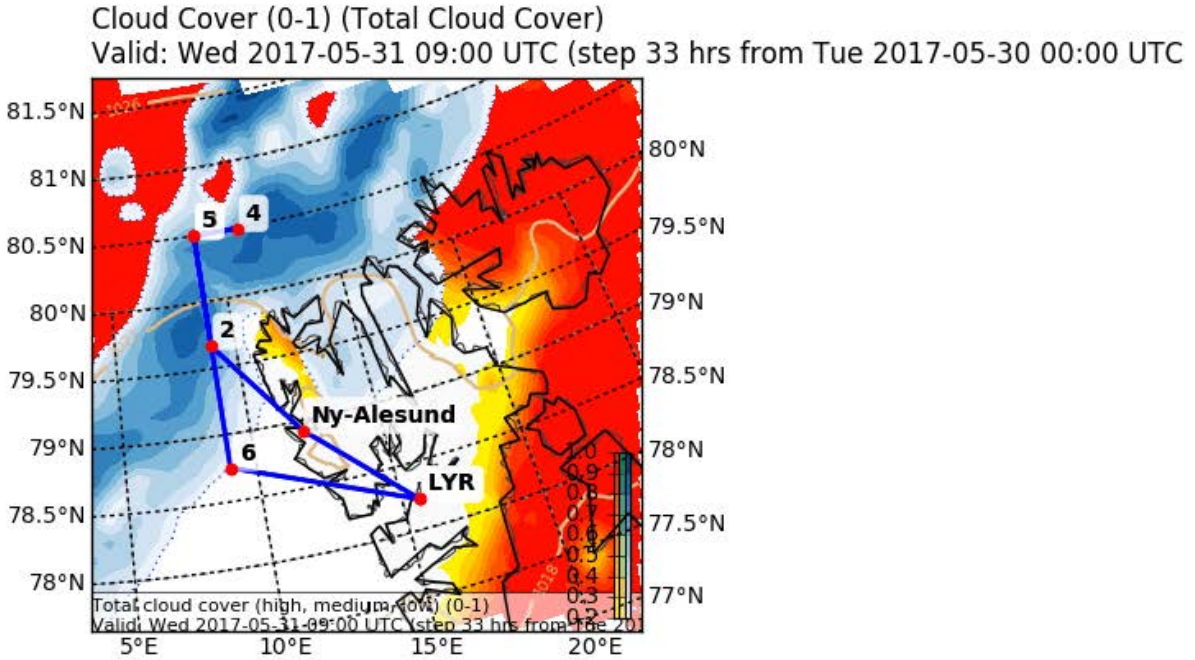
Forecast Tomorrow 06 UTC



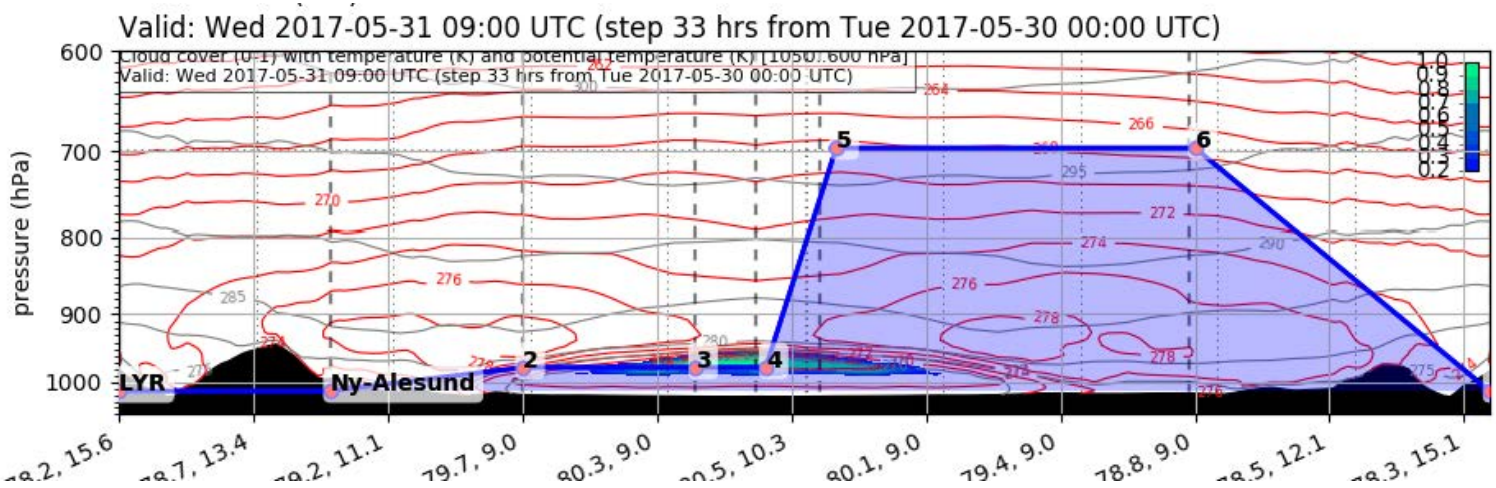
EPSG:77790000



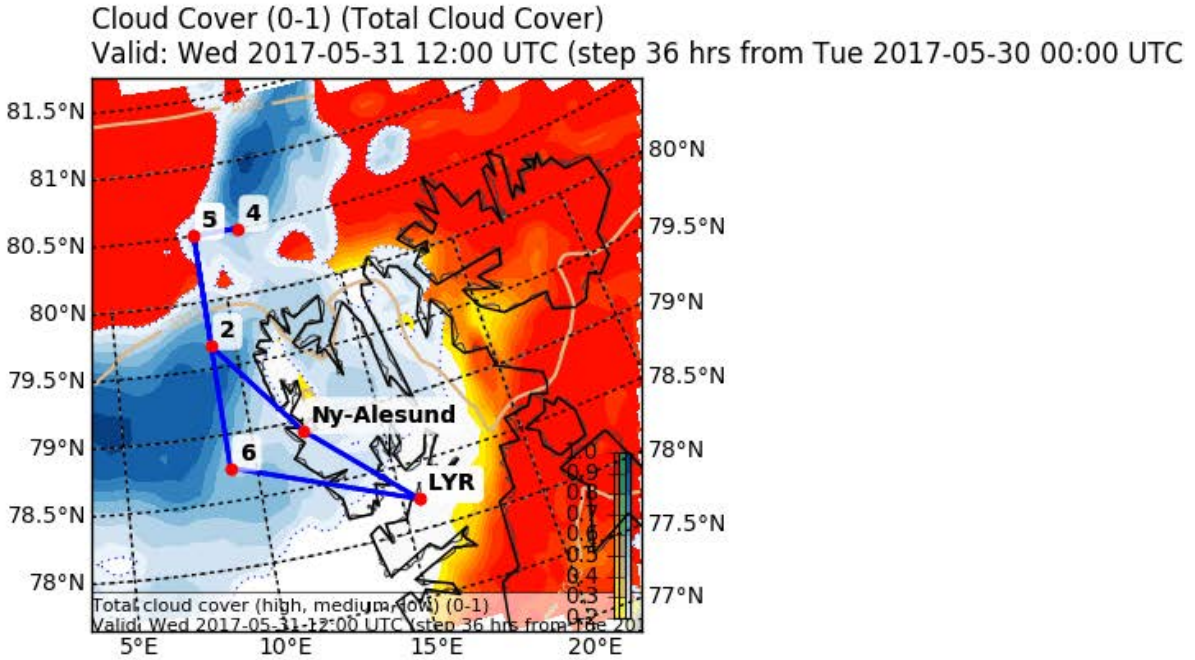
Forecast
Tomorrow 09 UTC



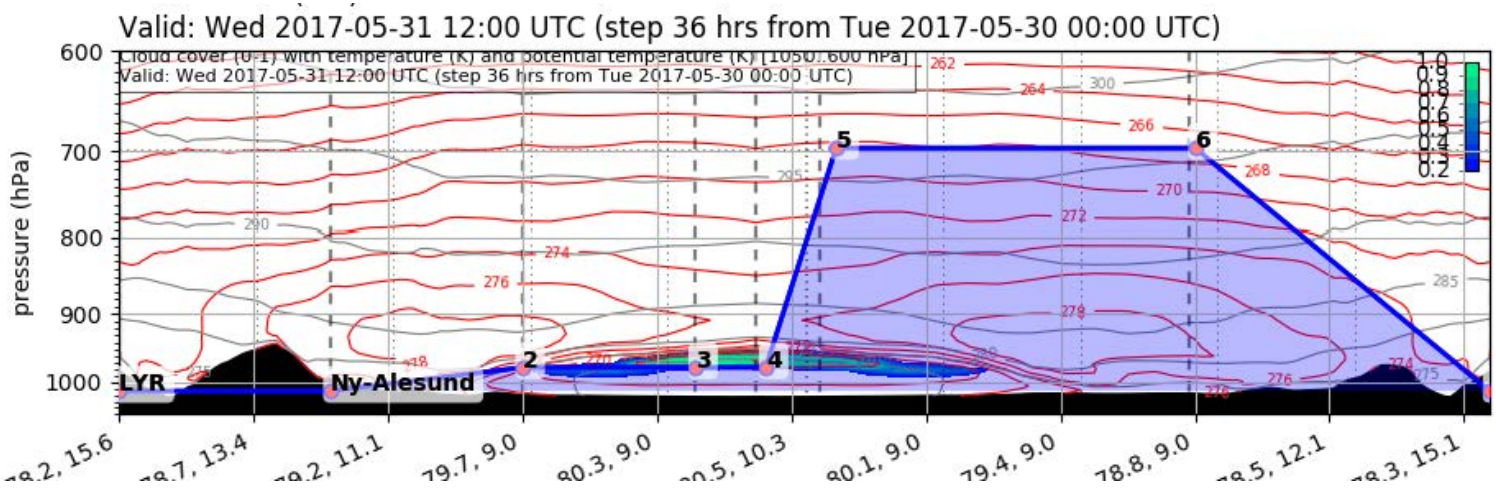
EPSG:77790000



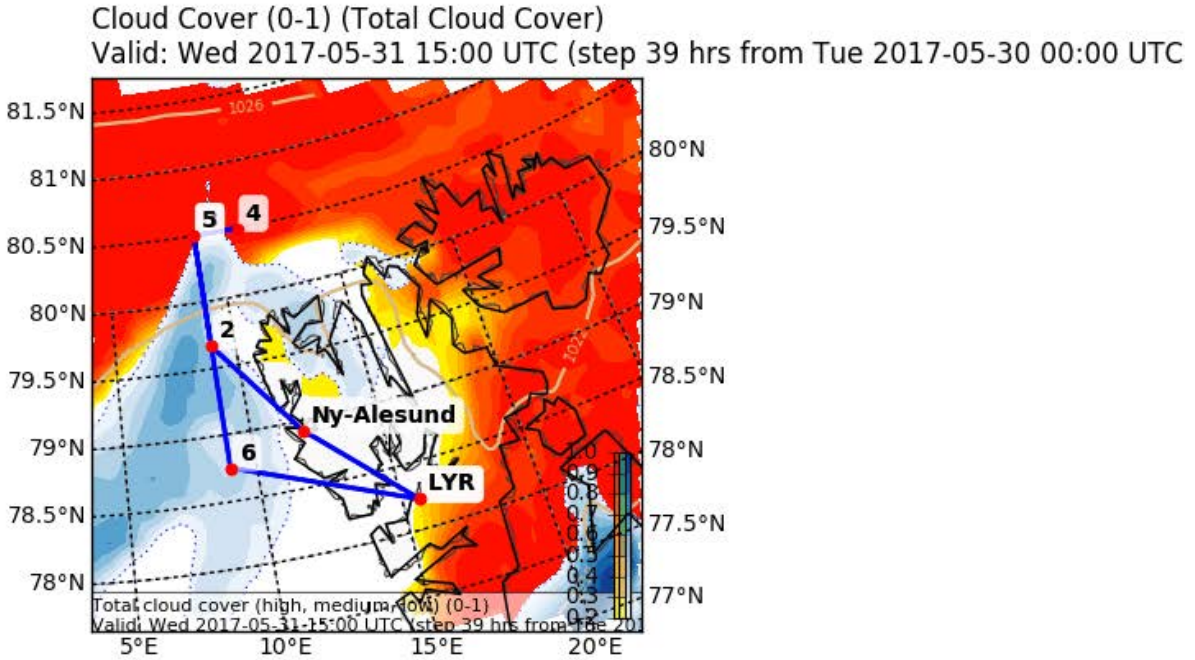
Forecast
Tomorrow 12 UTC



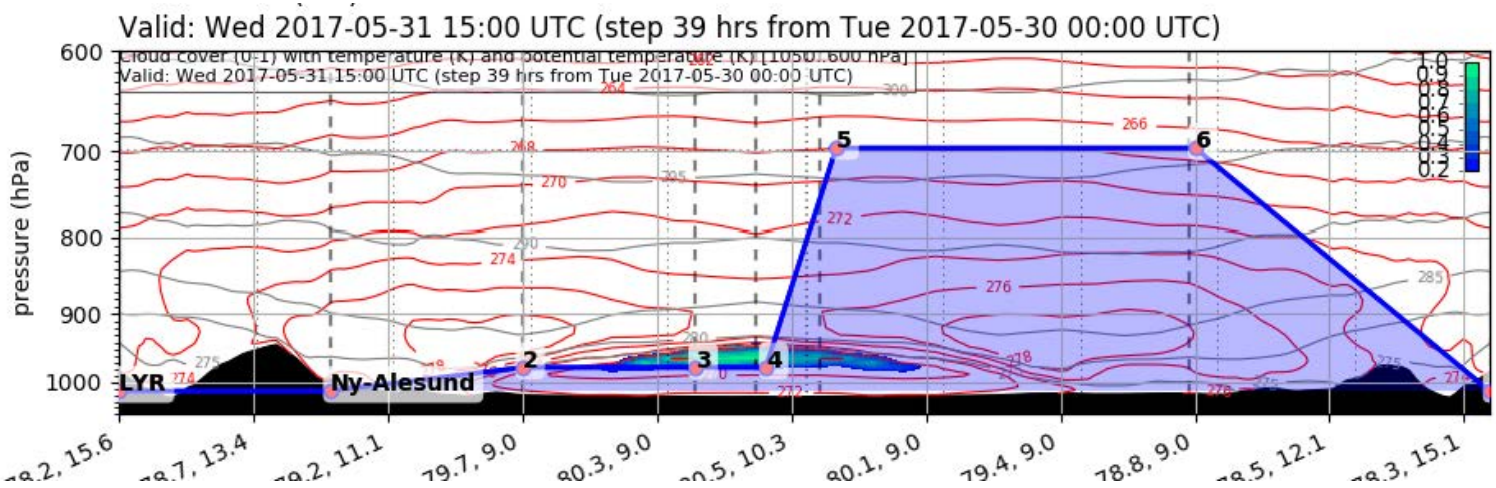
EPSG:77790000



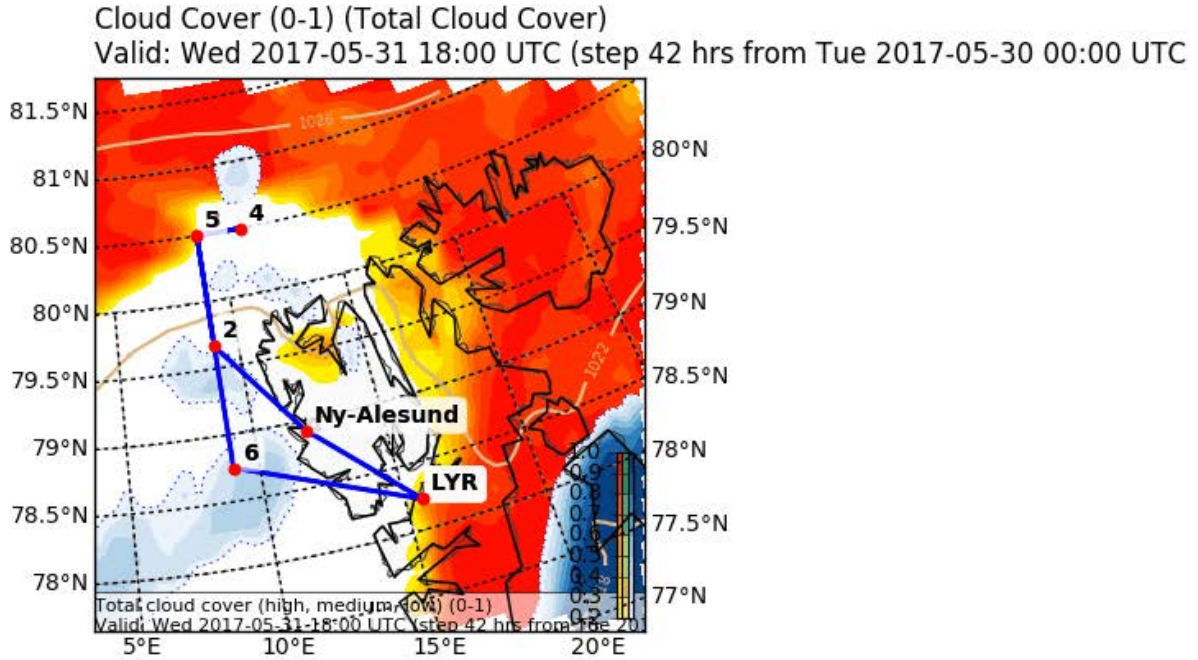
Forecast
Tomorrow 15 UTC



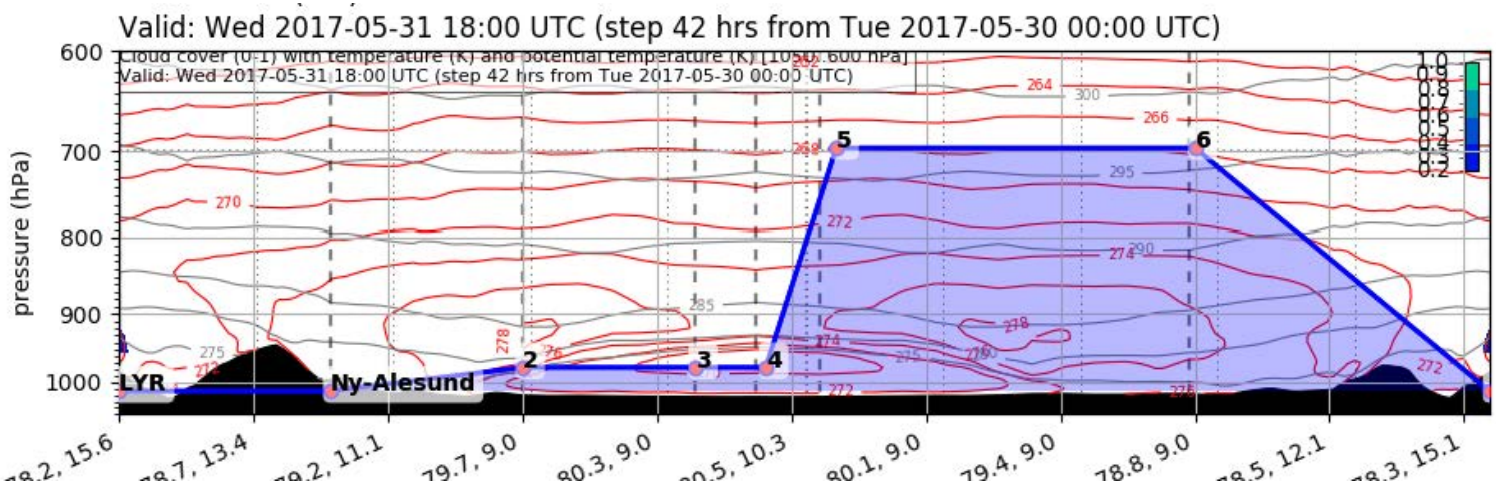
EPSG:77790000



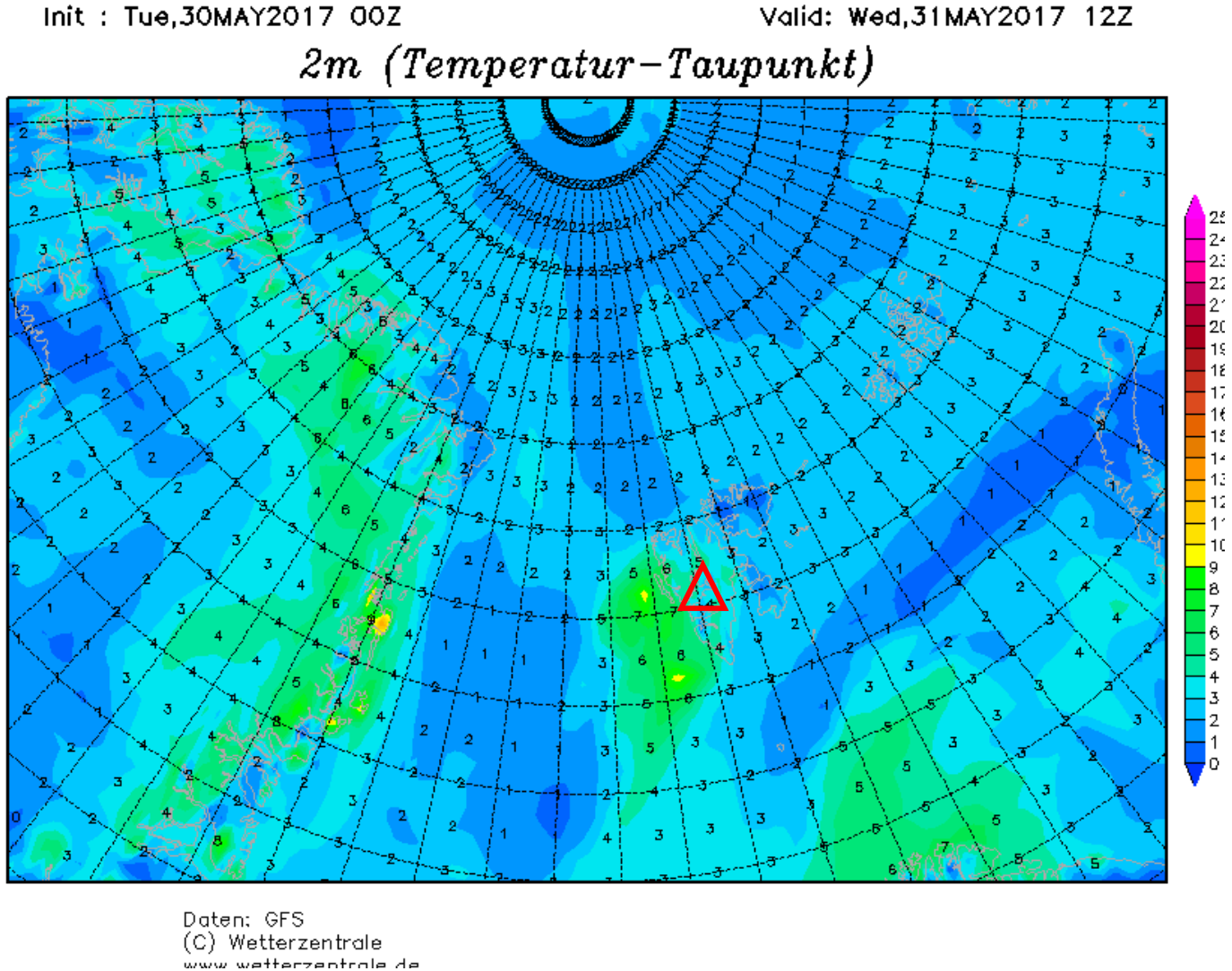
Forecast
Tomorrow 18 UTC



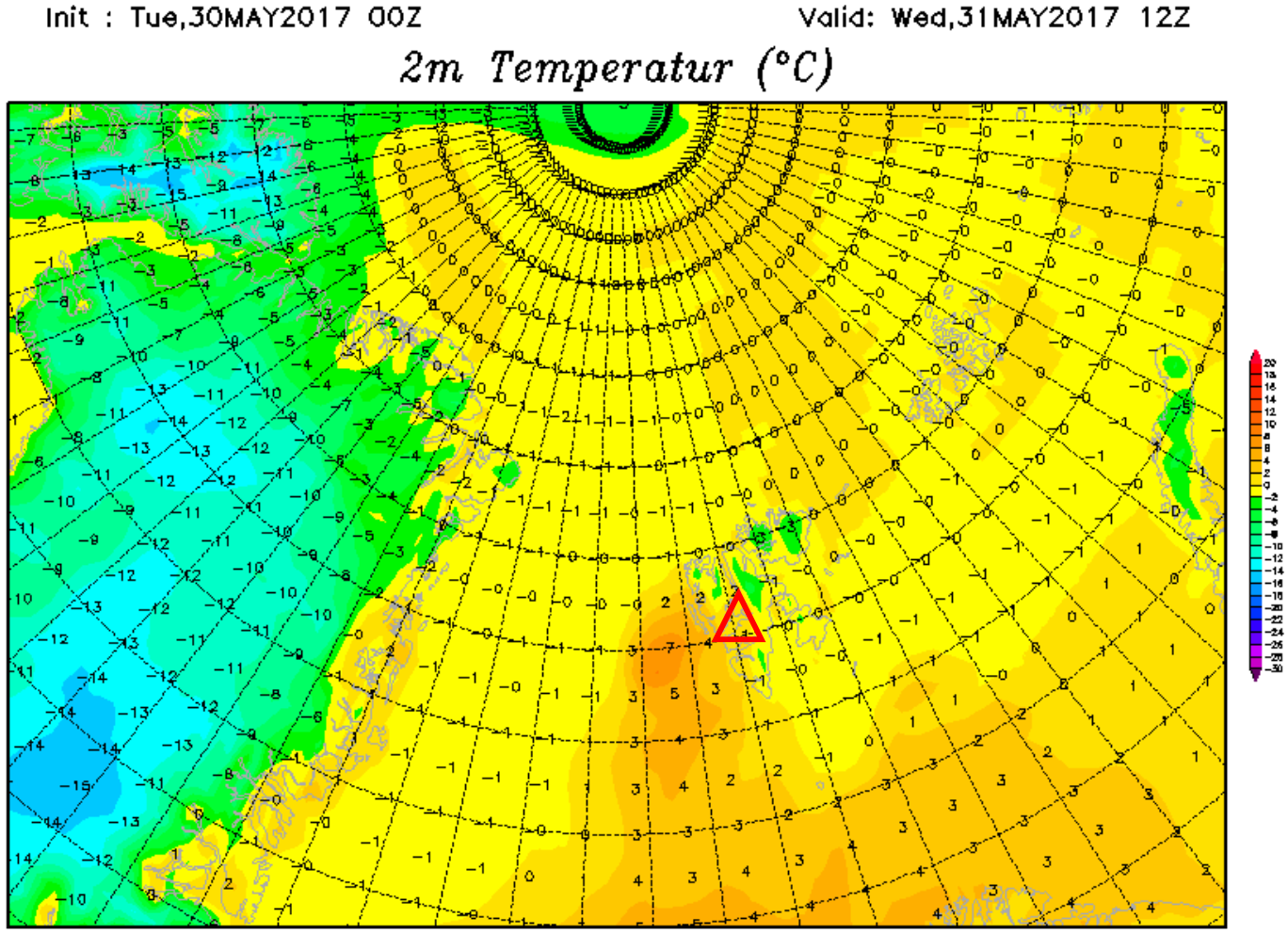
EPSG:77790000



2-m dew point diff. 31 May 2017 @ 12 UTC



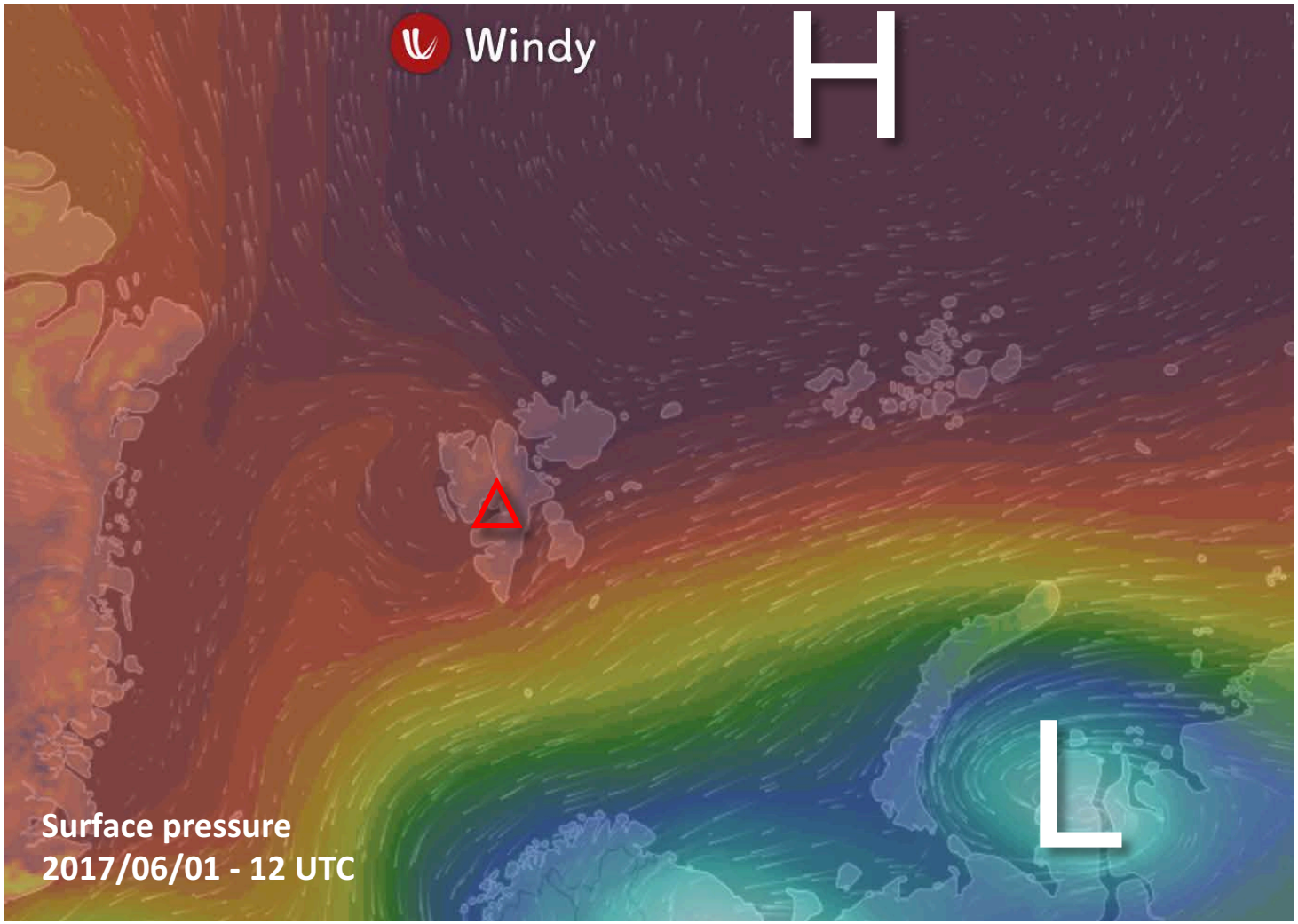
2-m temperature 31 May 2017 @ 12 UTC



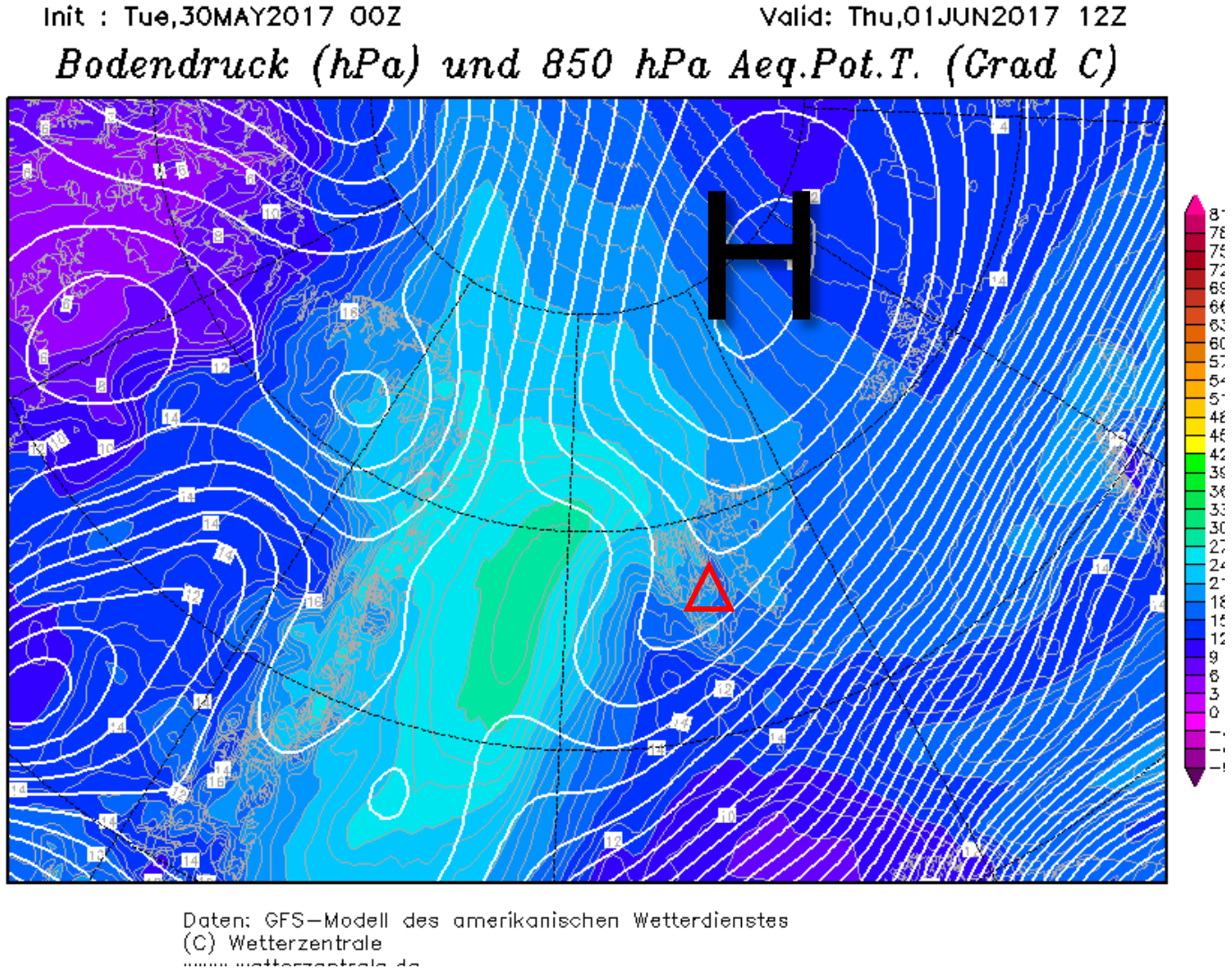
Outlook

Thu 1 June – Fri 2 June 2017

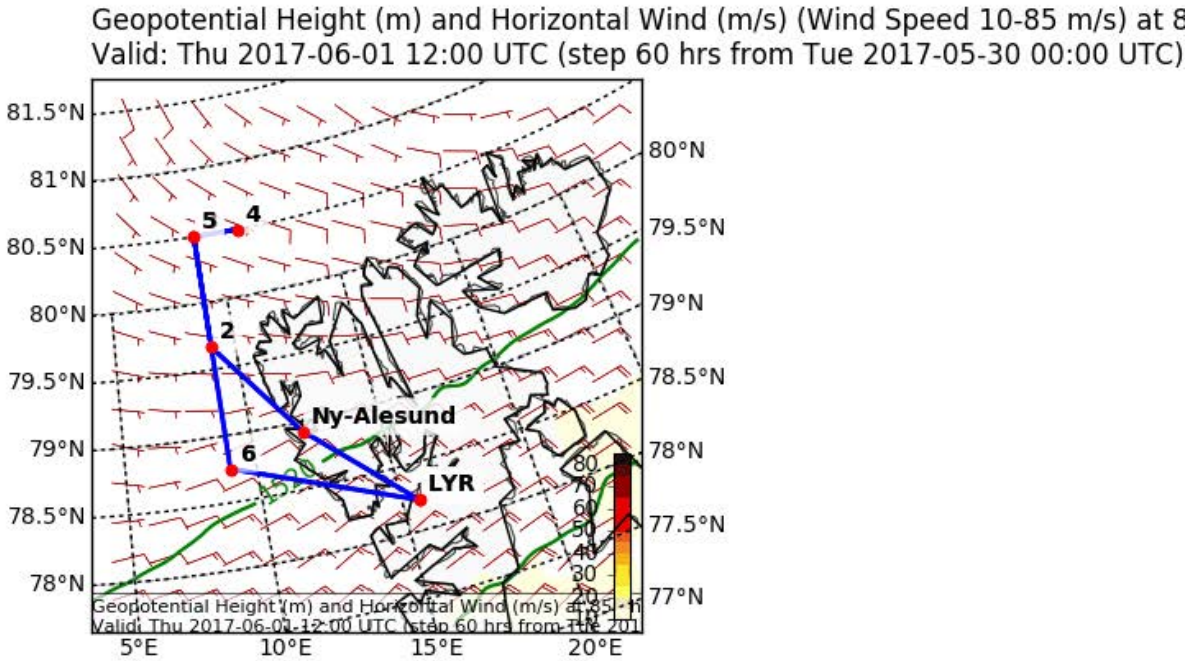
General Situation Thu 1 June 2017



850-hPa Theta Equiv. 1 June 2017 @ 12 UTC



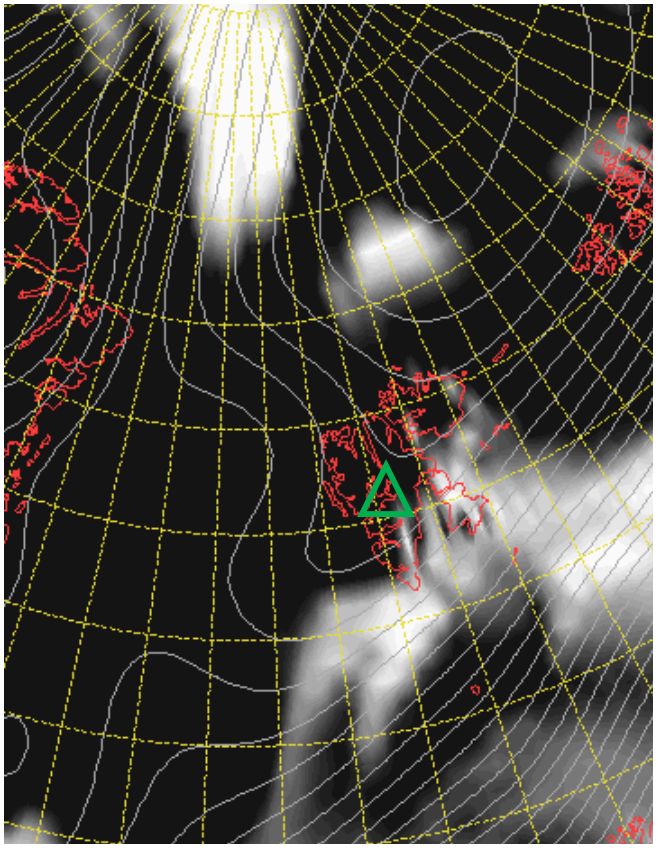
Wind, After Tomorrow 12 UTC



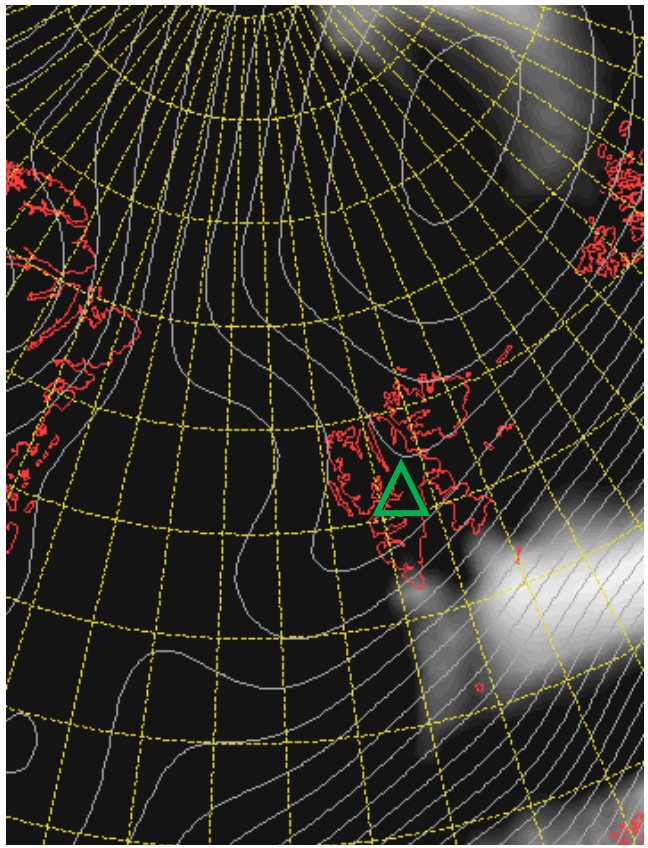
EPSG:77790000

Cloud Cover 1 June 2017 @ 12 UTC

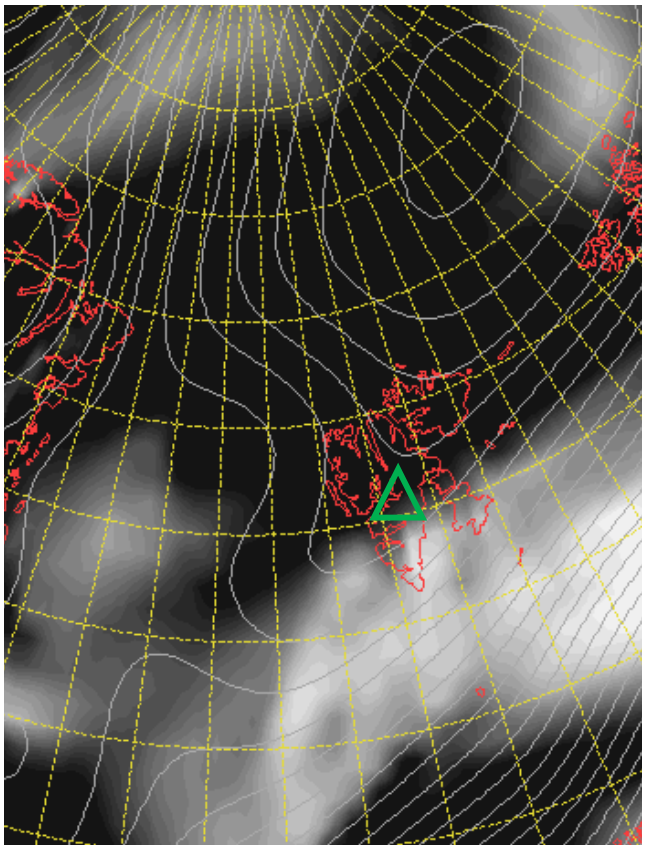
L



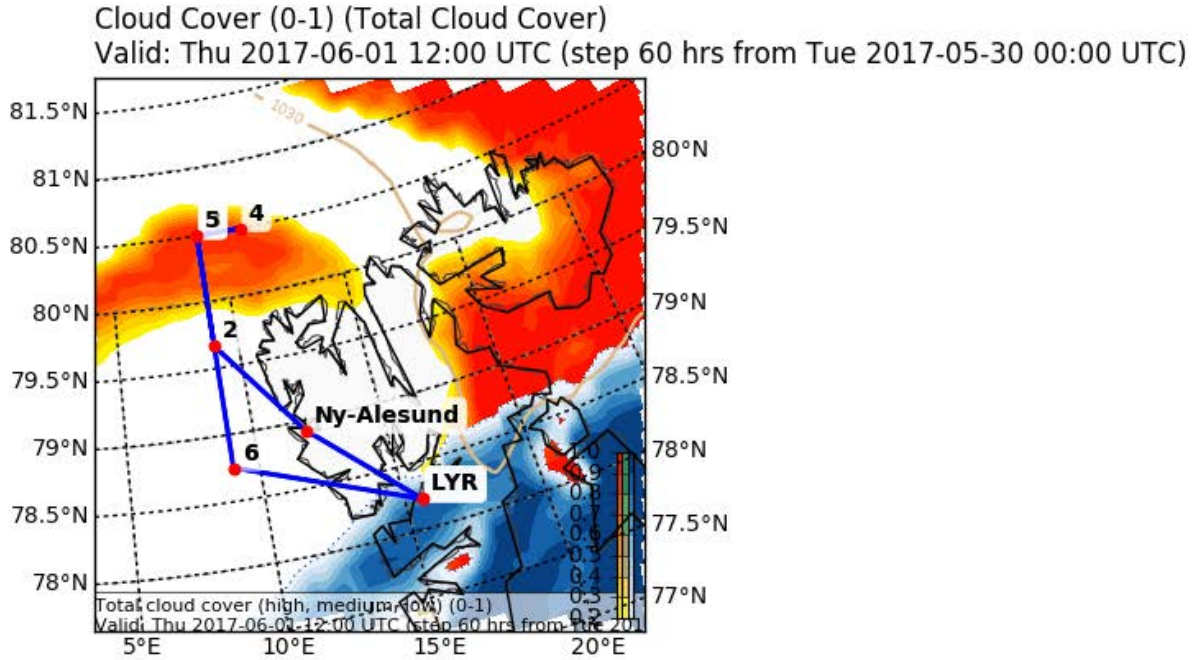
M



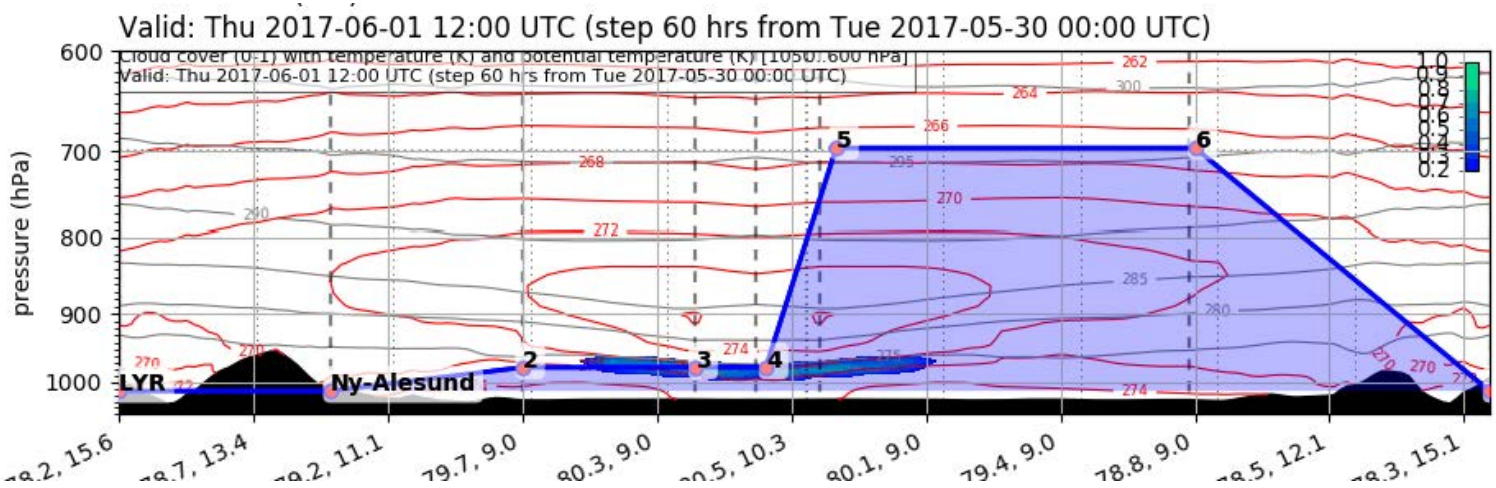
H



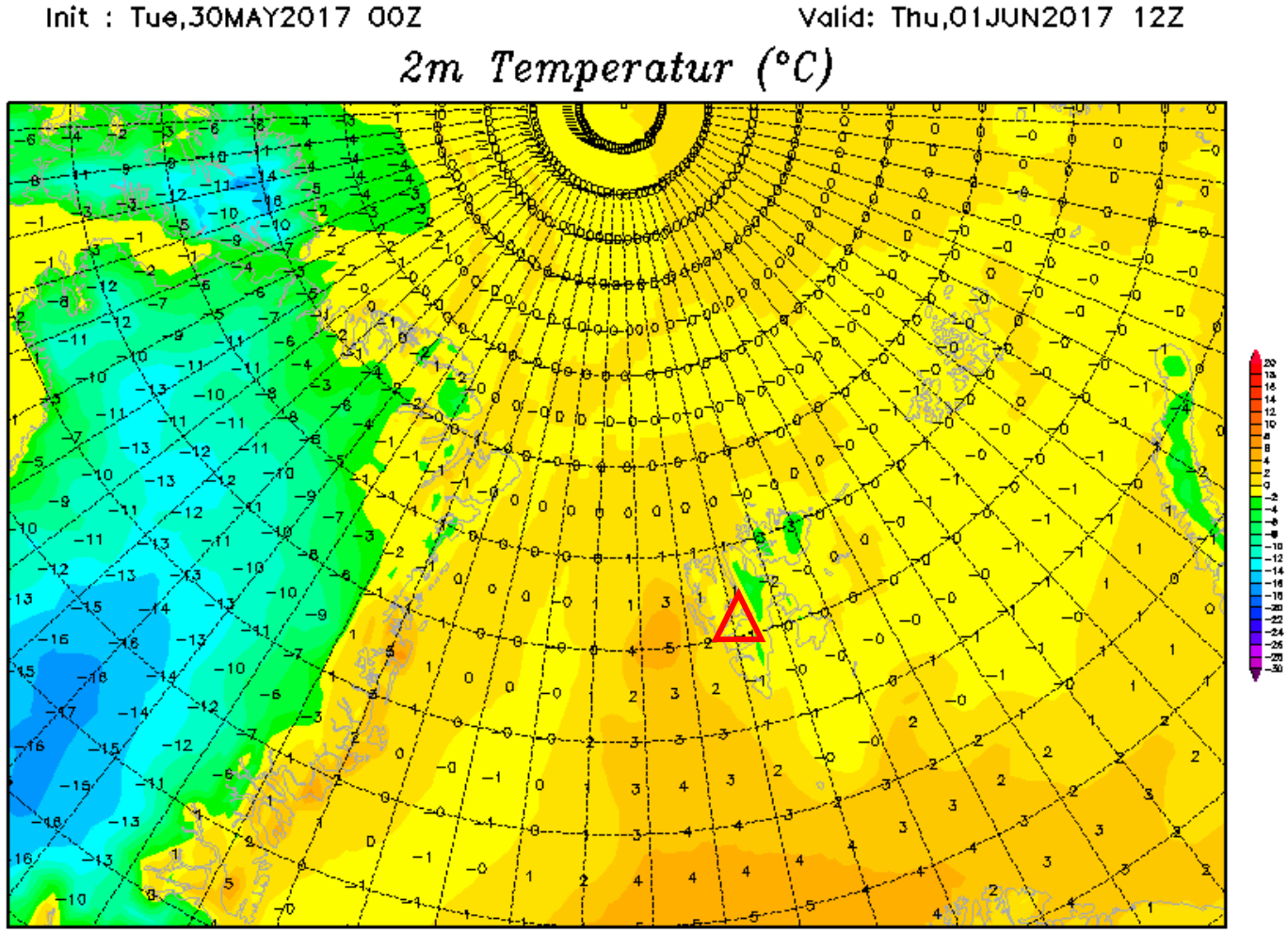
Forecast After Tomorrow 12 UTC



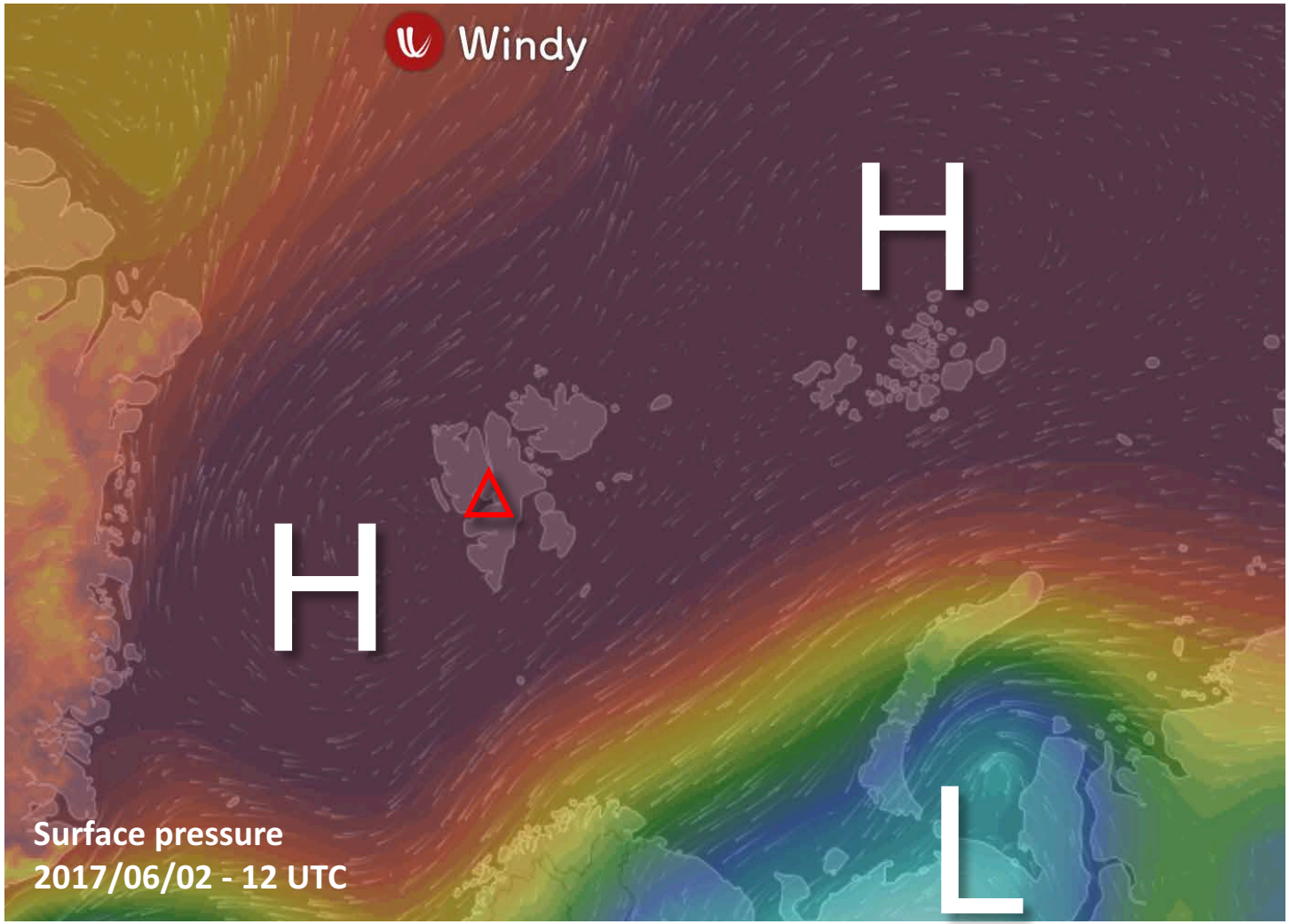
EPSG:77790000



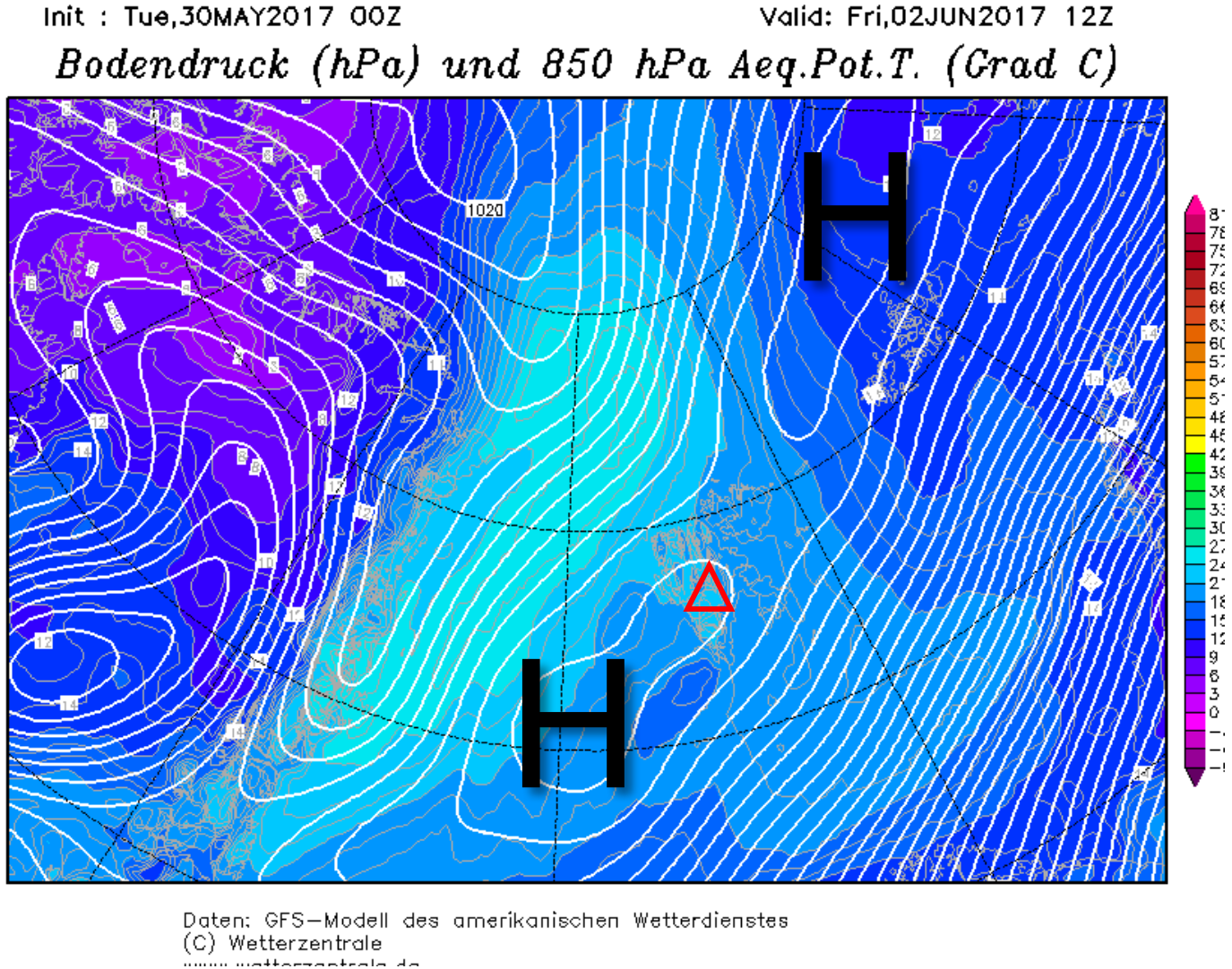
2-m temperature 1 June 2017 @ 12 UTC



General Situation Fri 2 June 2017

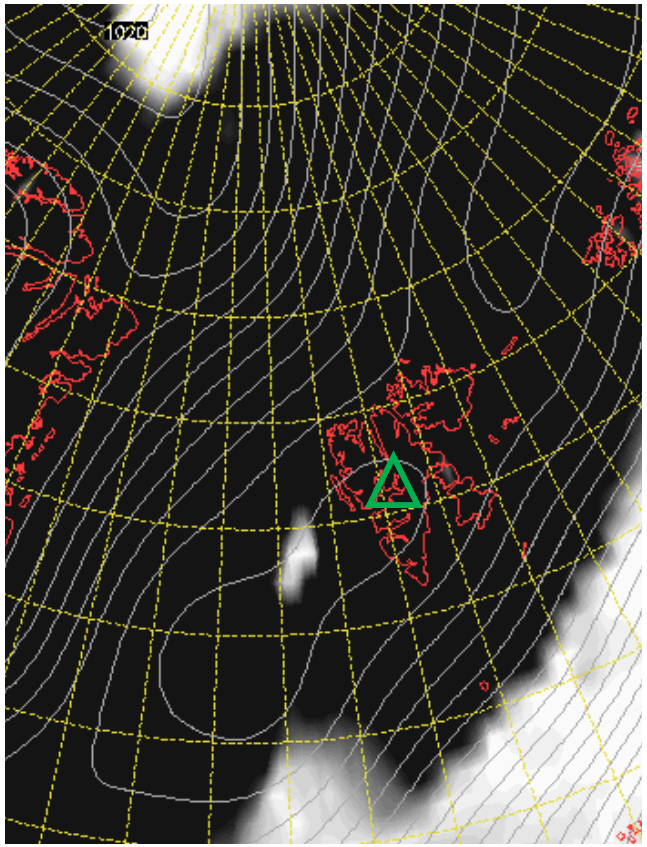


850-hPa Theta Equiv. 2 June 2017 @ 12 UTC

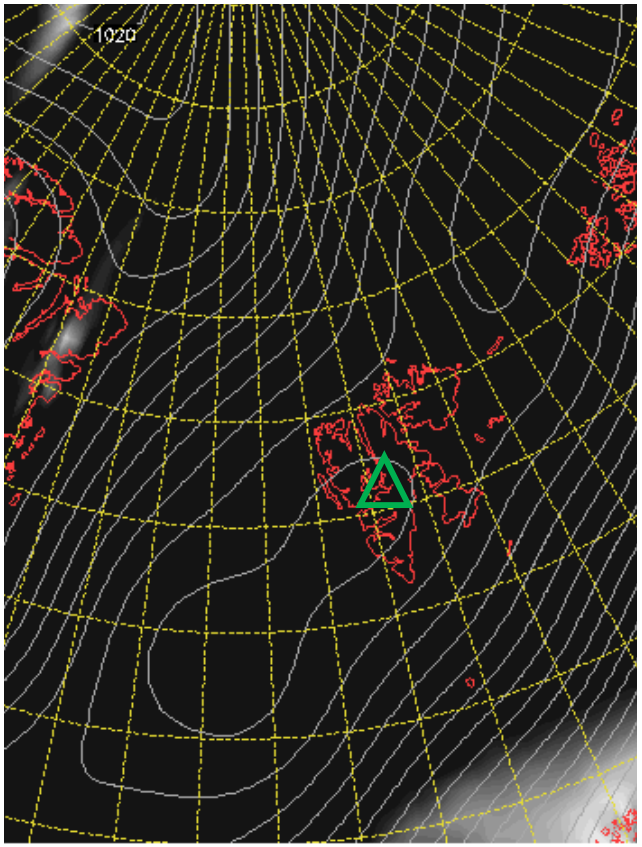


Cloud Cover 2 June 2017 @ 12 UTC

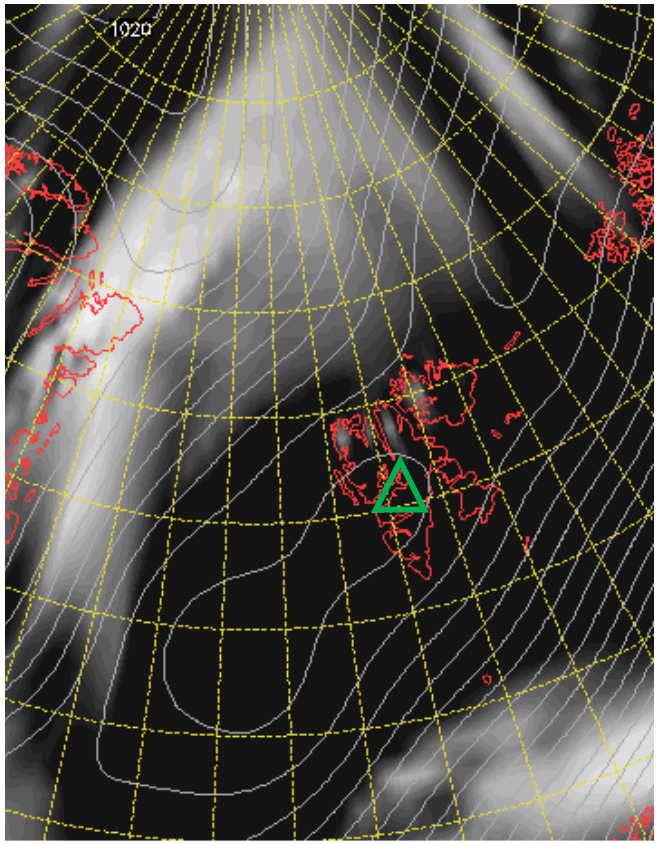
L



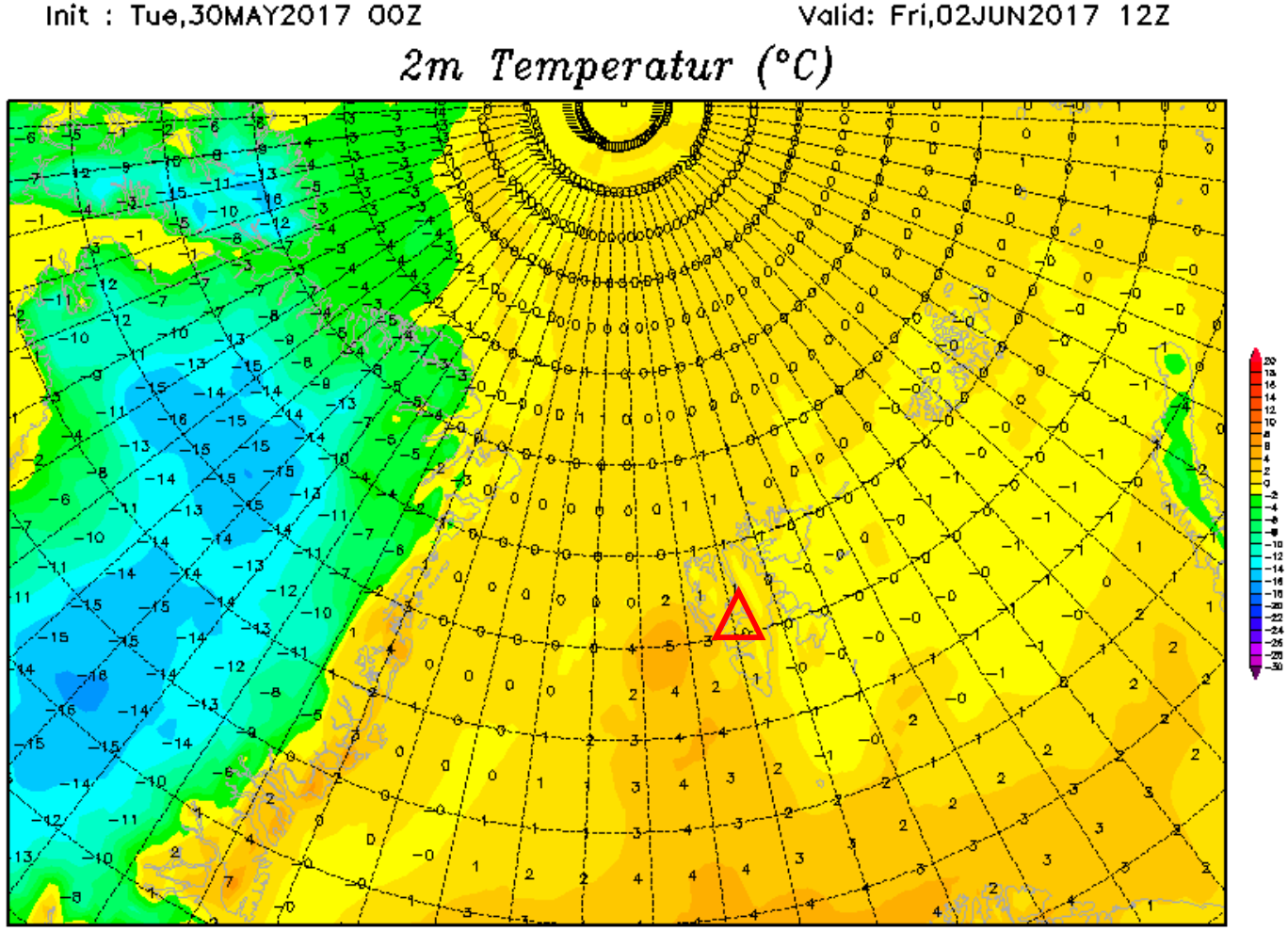
M



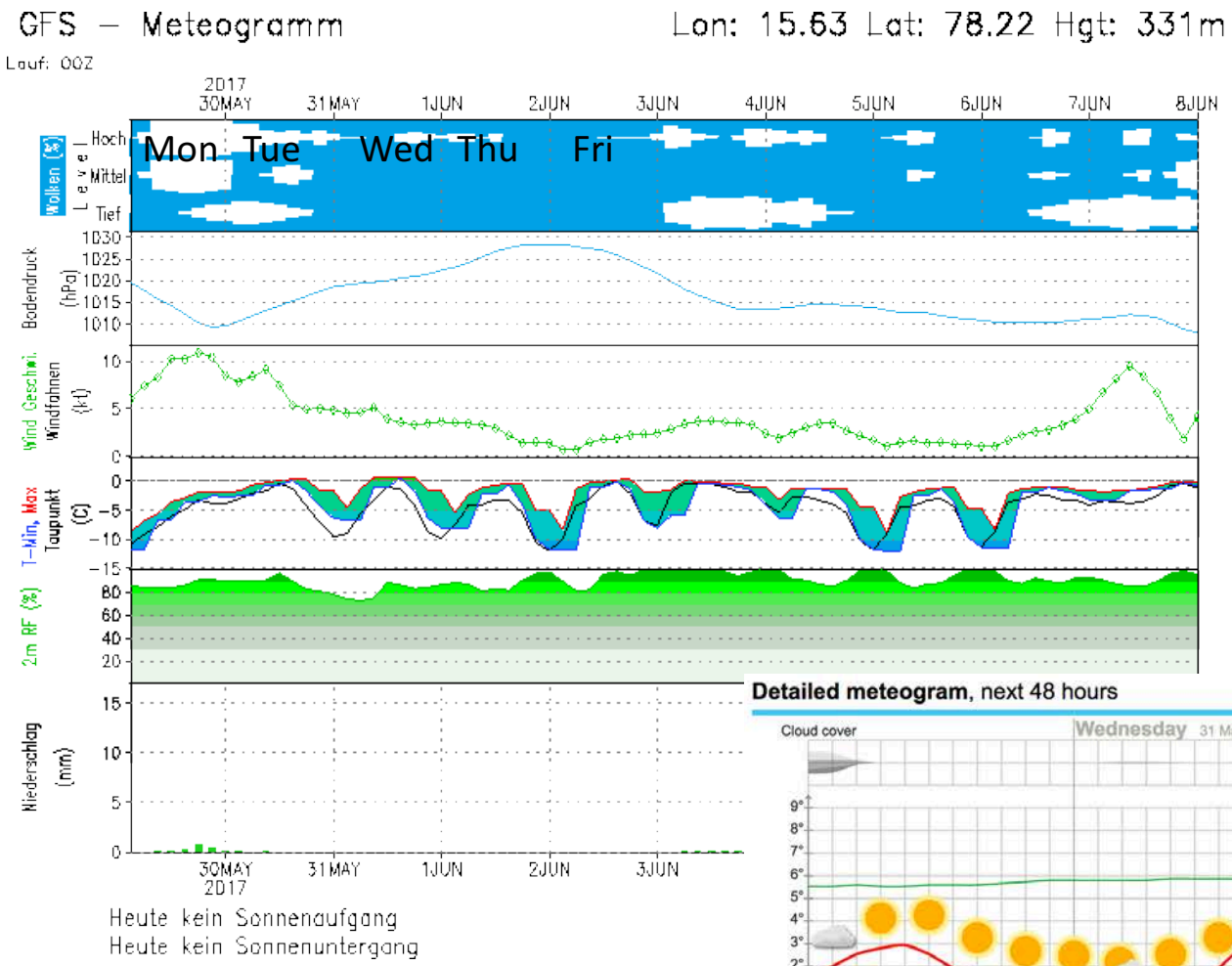
H



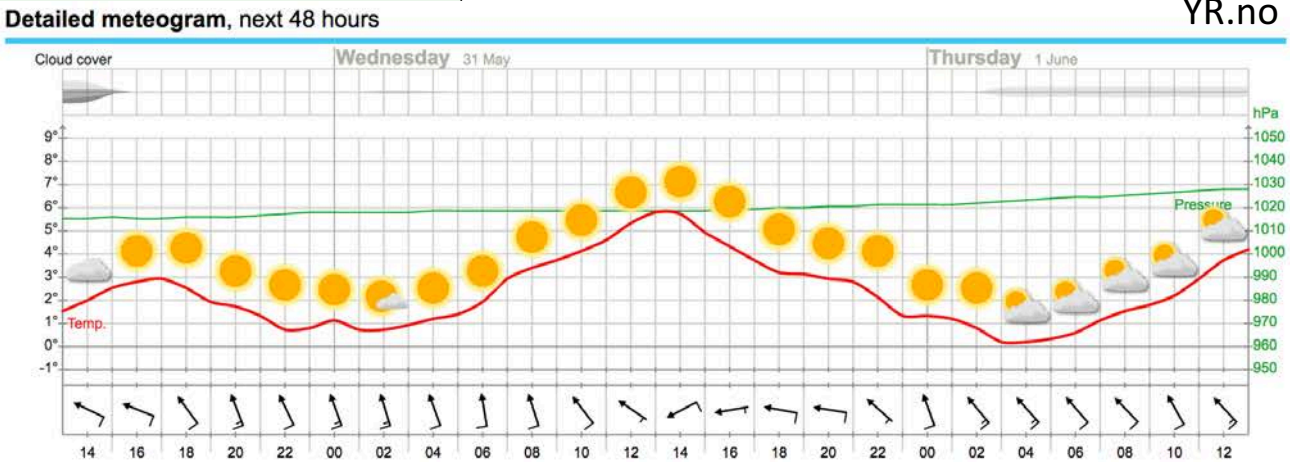
2-m temperature 2 June 2017 @ 12 UTC



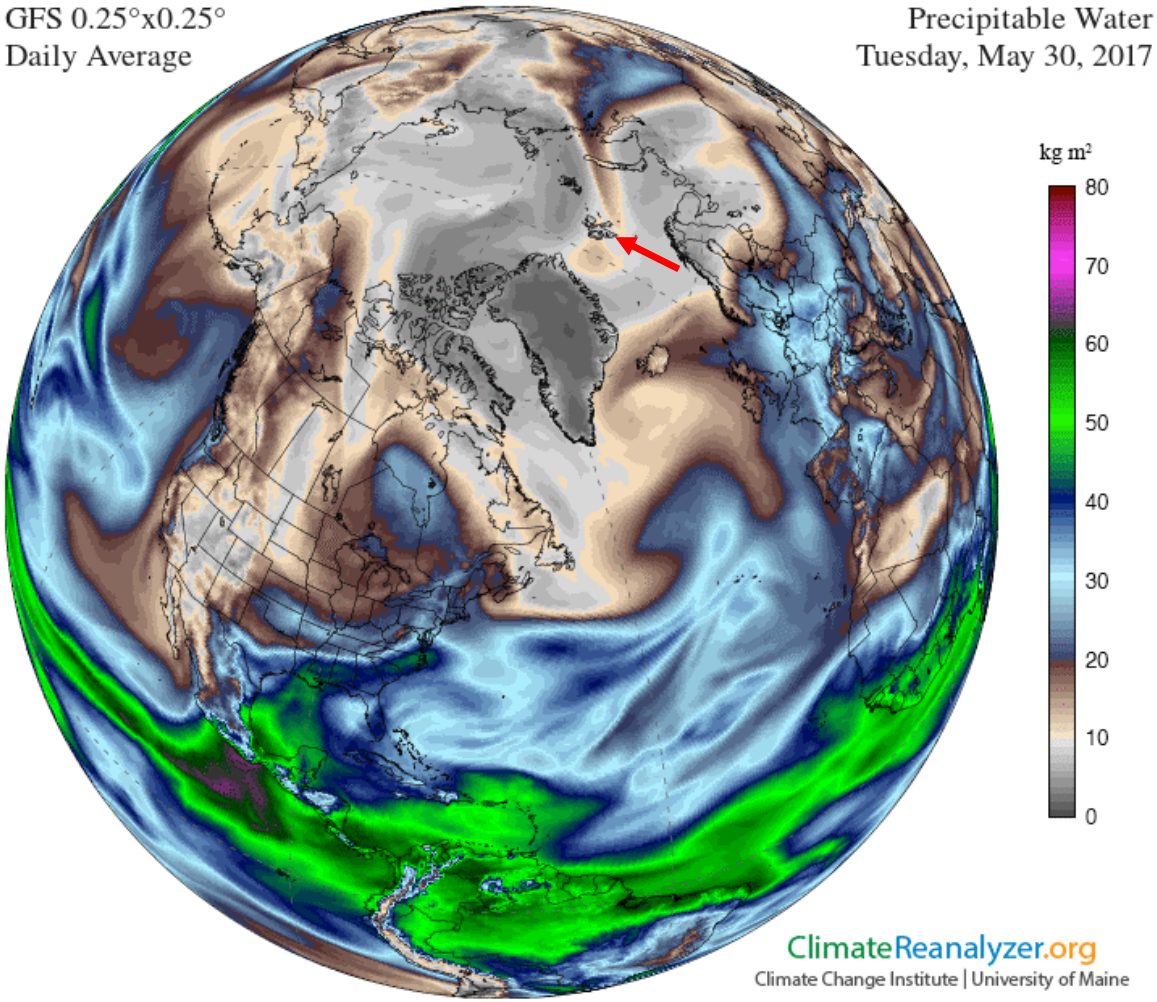
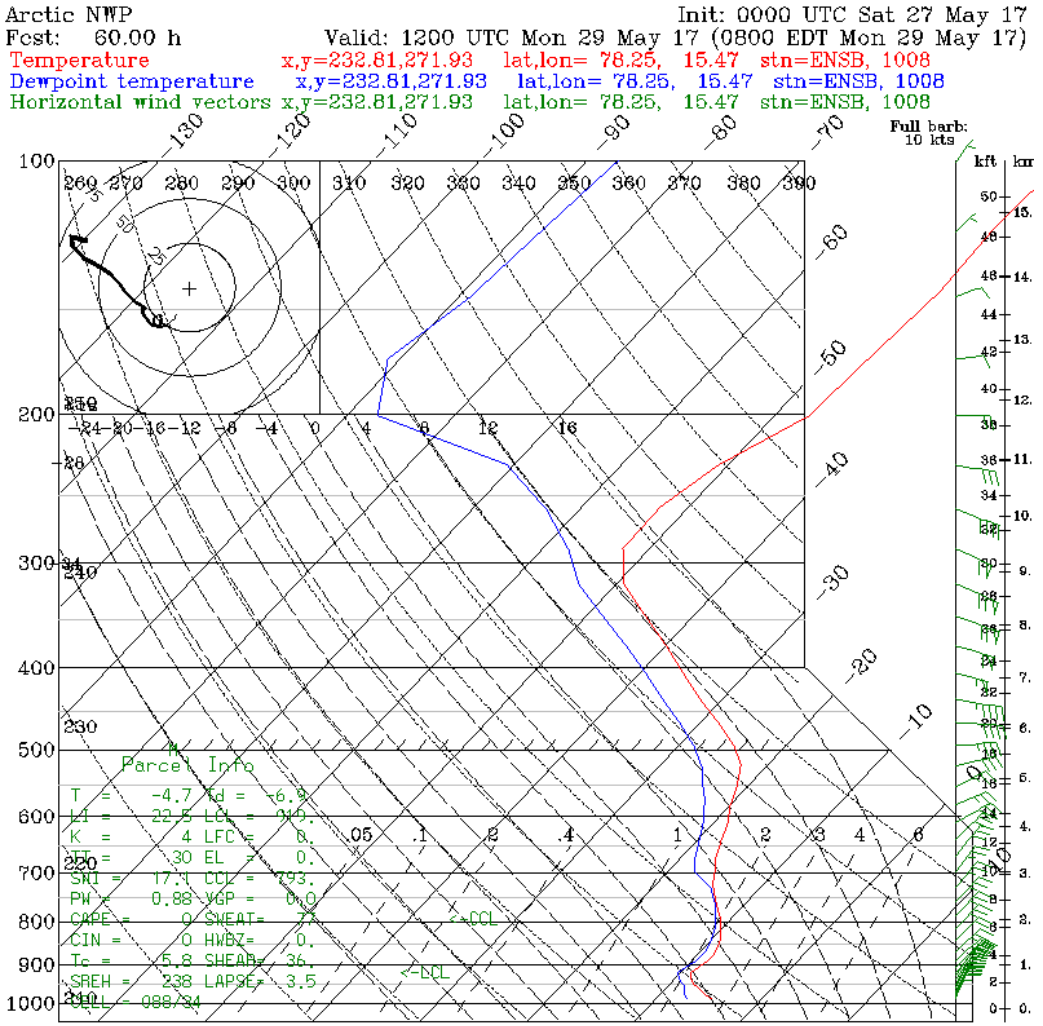
Outlook – Meteogram



YR.no



Precip. Water 30 May 2017



Sounding Longyearbyen 29 May 2017 @ 12 UTC