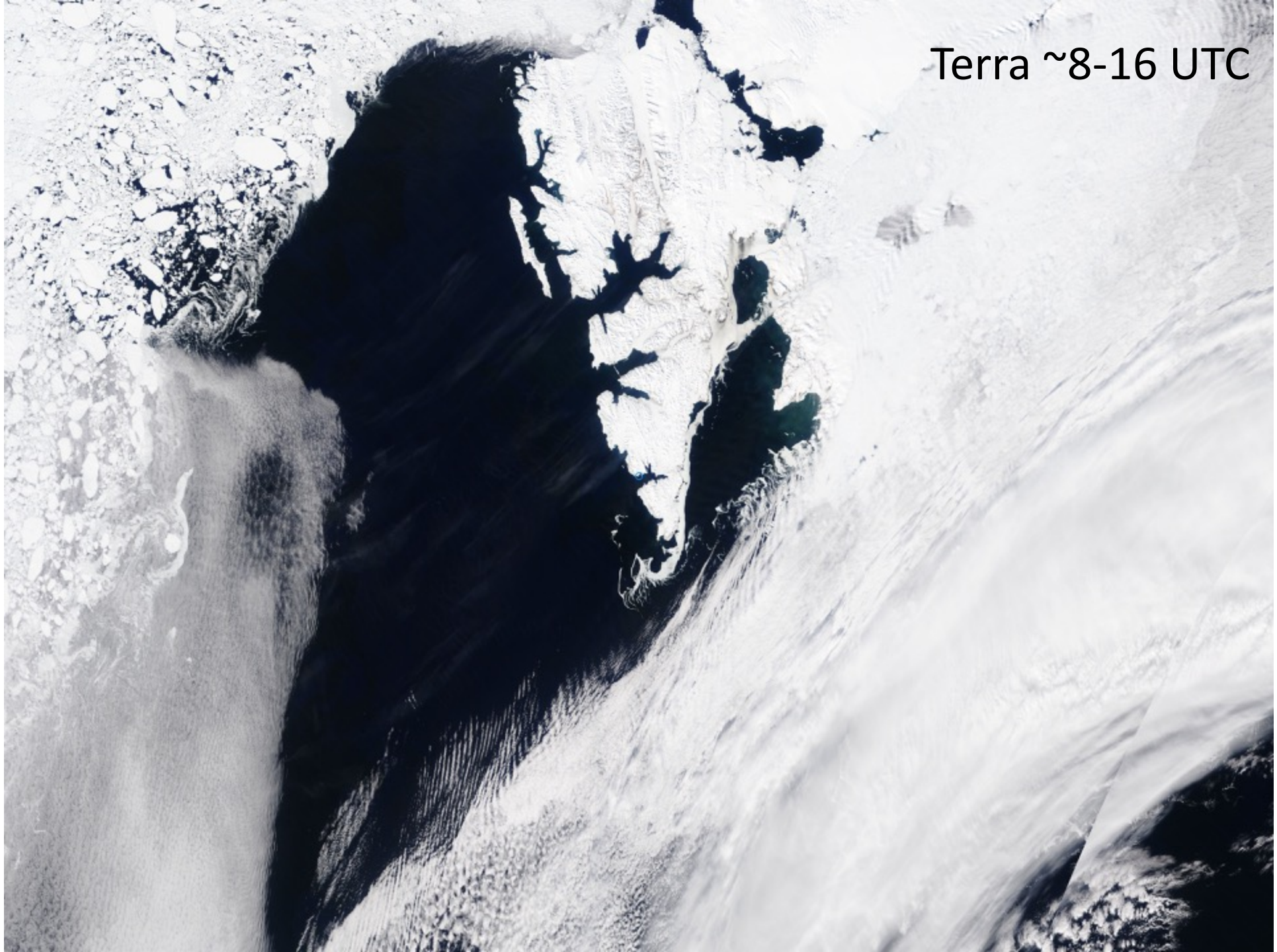
Weather briefing

ACLOUD Longyearbyen, Svalbard

Thu 01 June 2017 – **Fri 02 June** – Sun 4 June 2017


Terra ~8-16 UTC

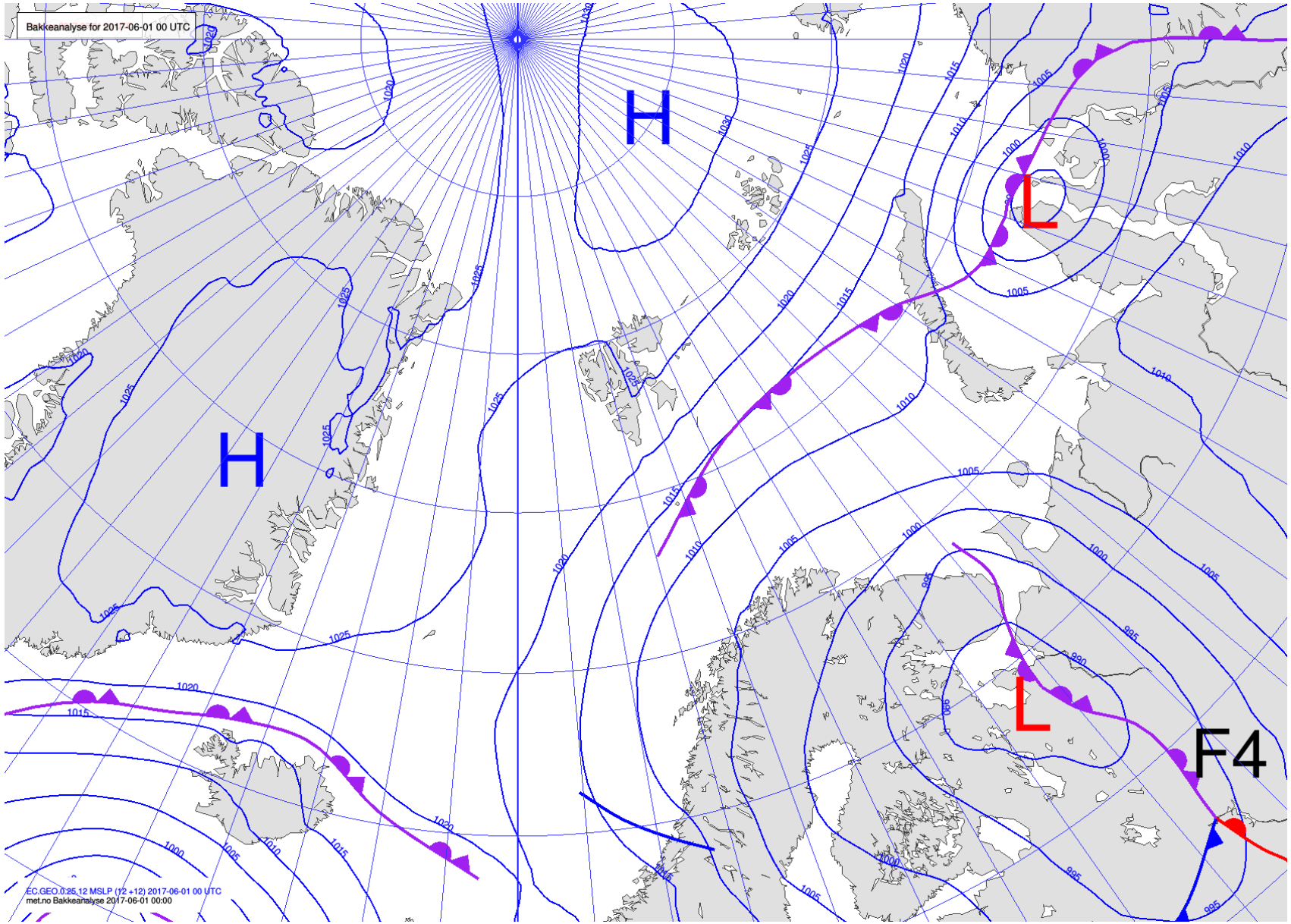
Summary

Low pressure over northern Russia combined with high pressure to the north of Spitsbergen bring a northeasterly wind flow. No clouds arround Longyearbyen because of the lee effect.

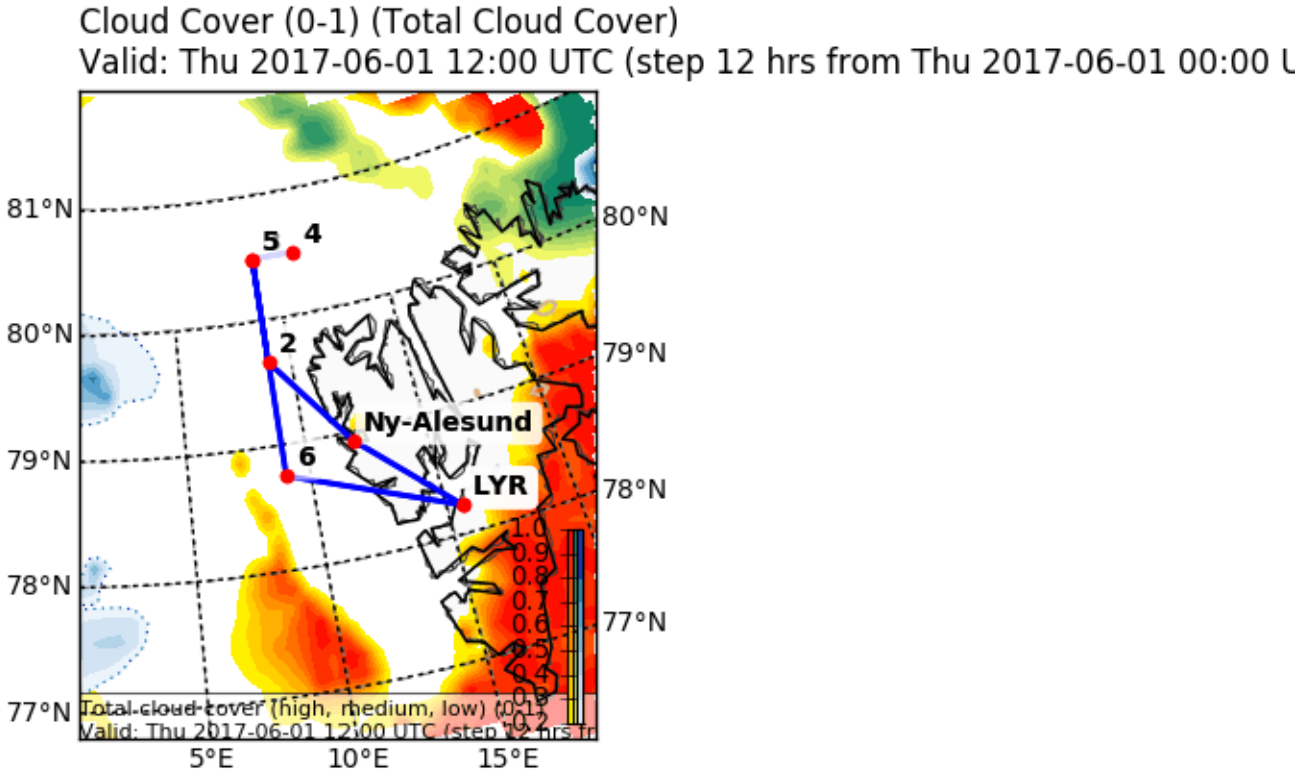
Tomorrow the wind changes to a southerly flow resulting in an increase in cloudiness.

Position of Polarstern (8:00 UTC): 80°24’ N 07°12’ E

Analysis 01 June 2017 @ 00 UTC



Clouds
Today 12 UTC



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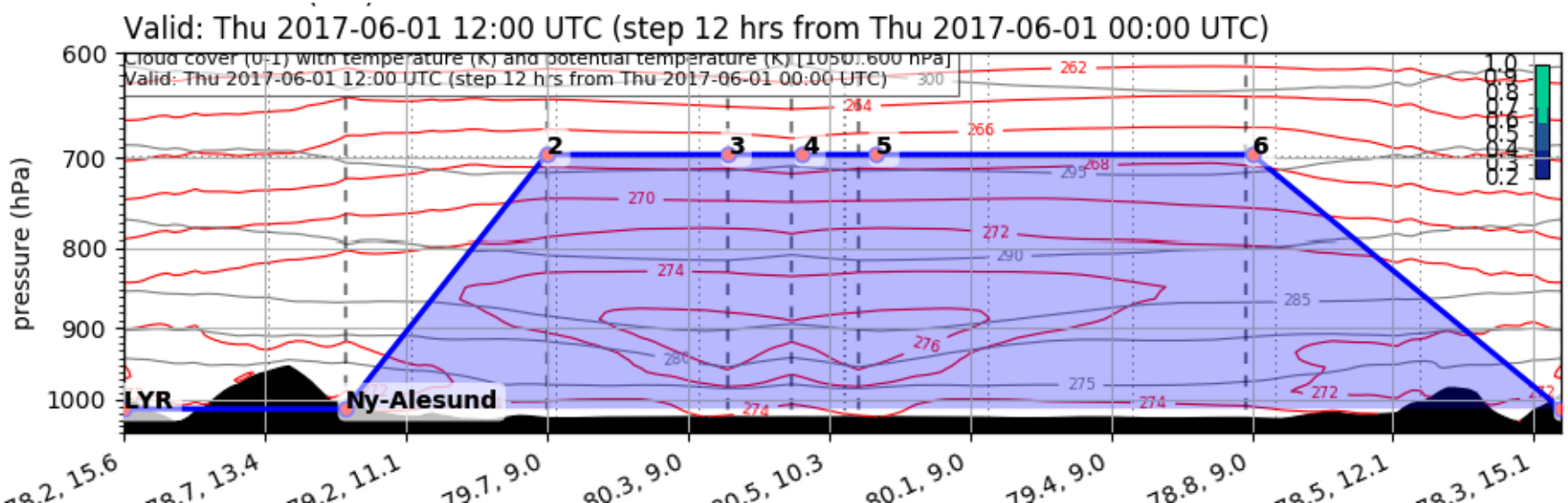
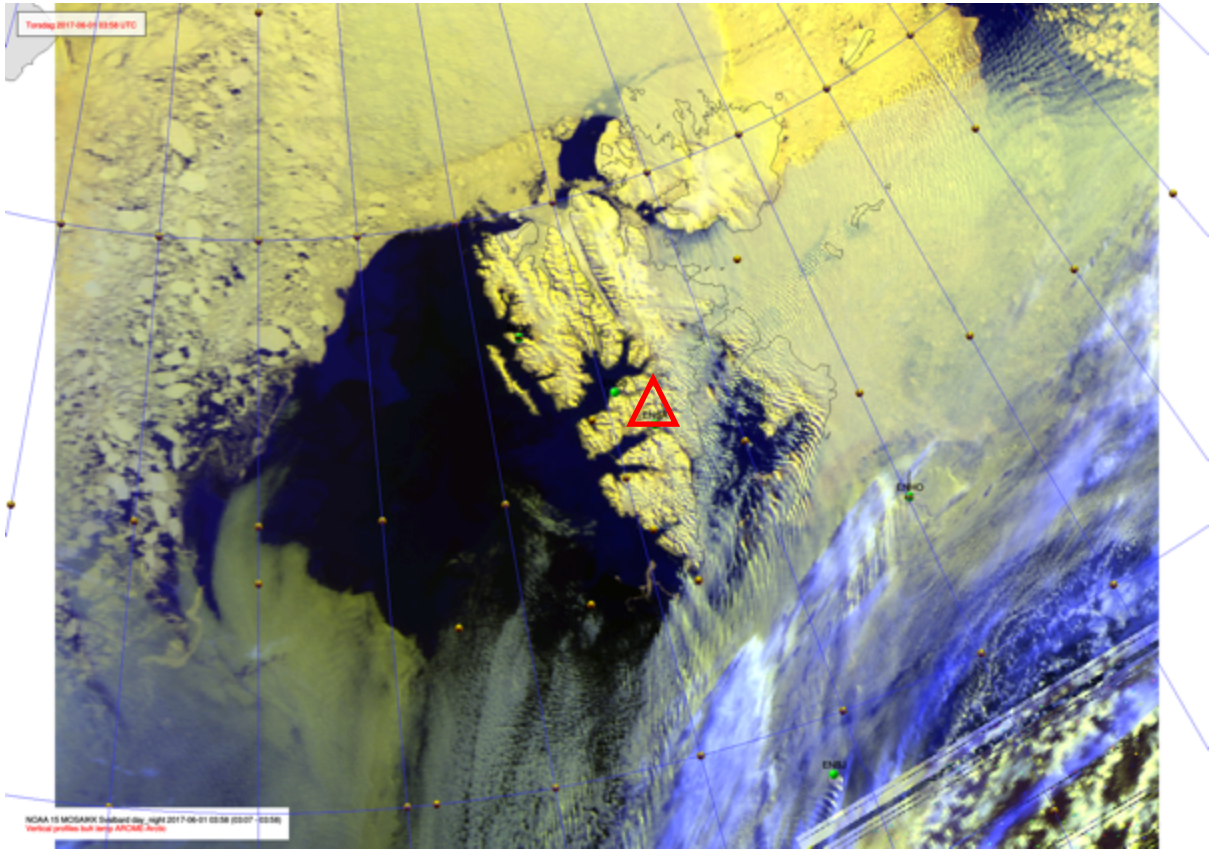
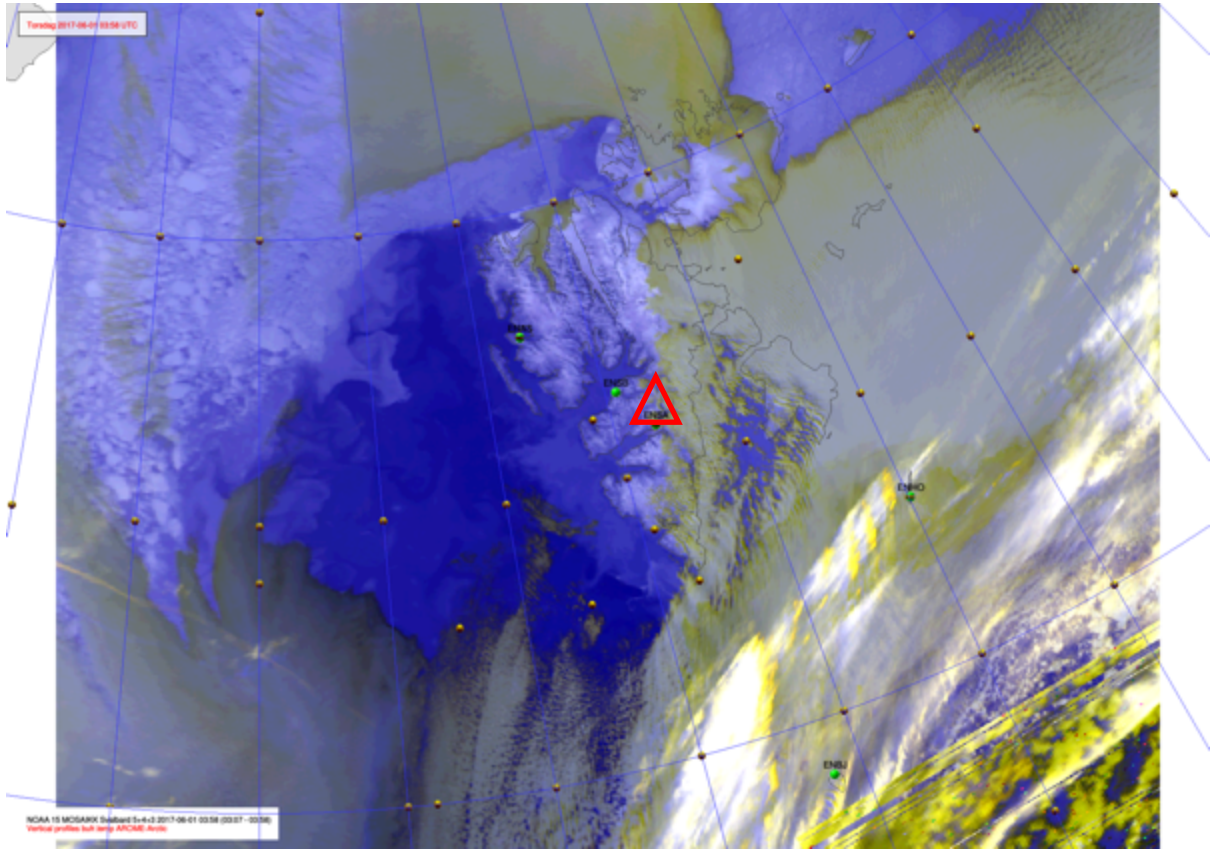


NOAA-19 01 June 2017 @ 0359 UTC

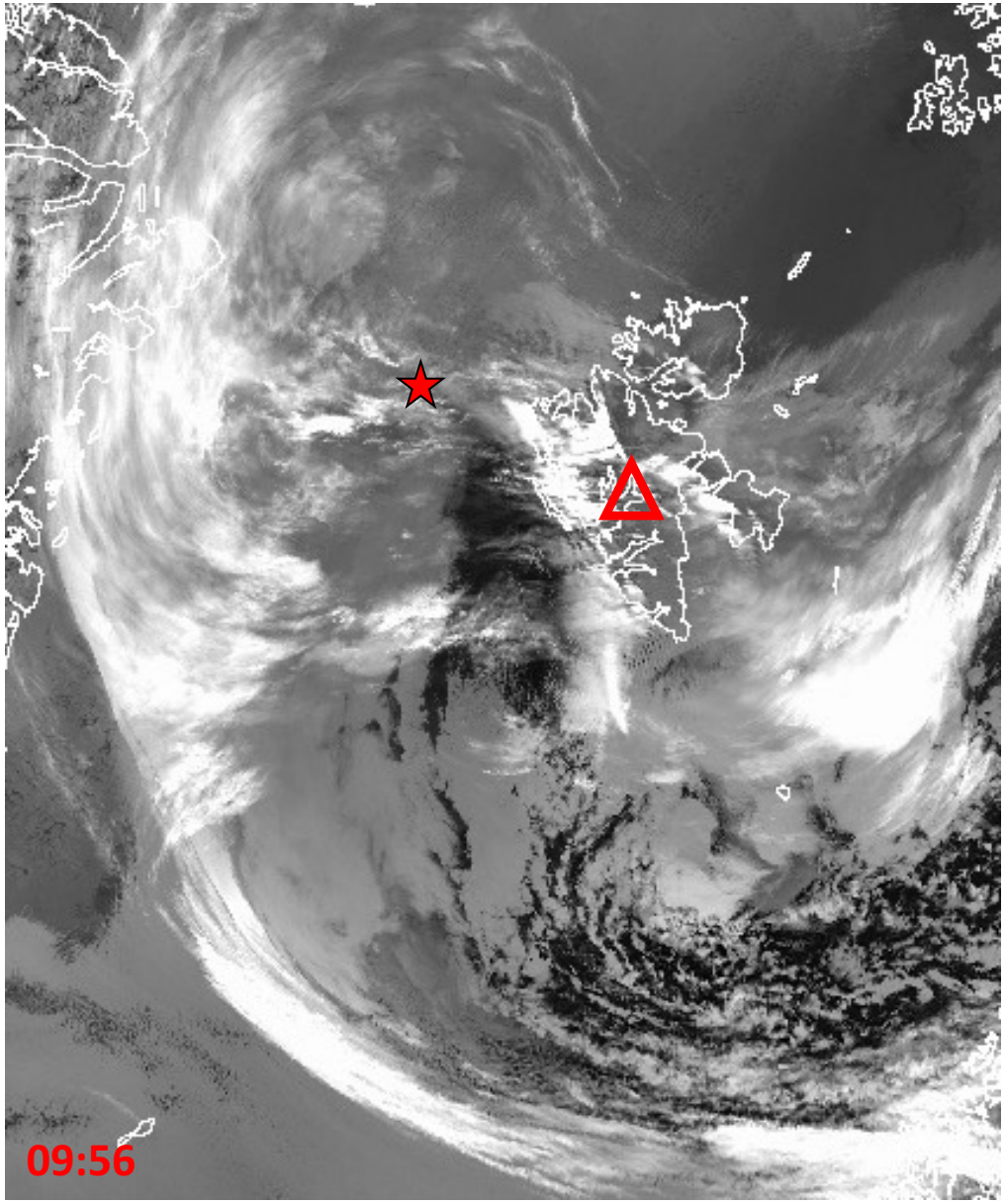


10.8 µm



IR, Ch 5+4+3

NOAA-19 01 June 2017 @ 0956 UTC

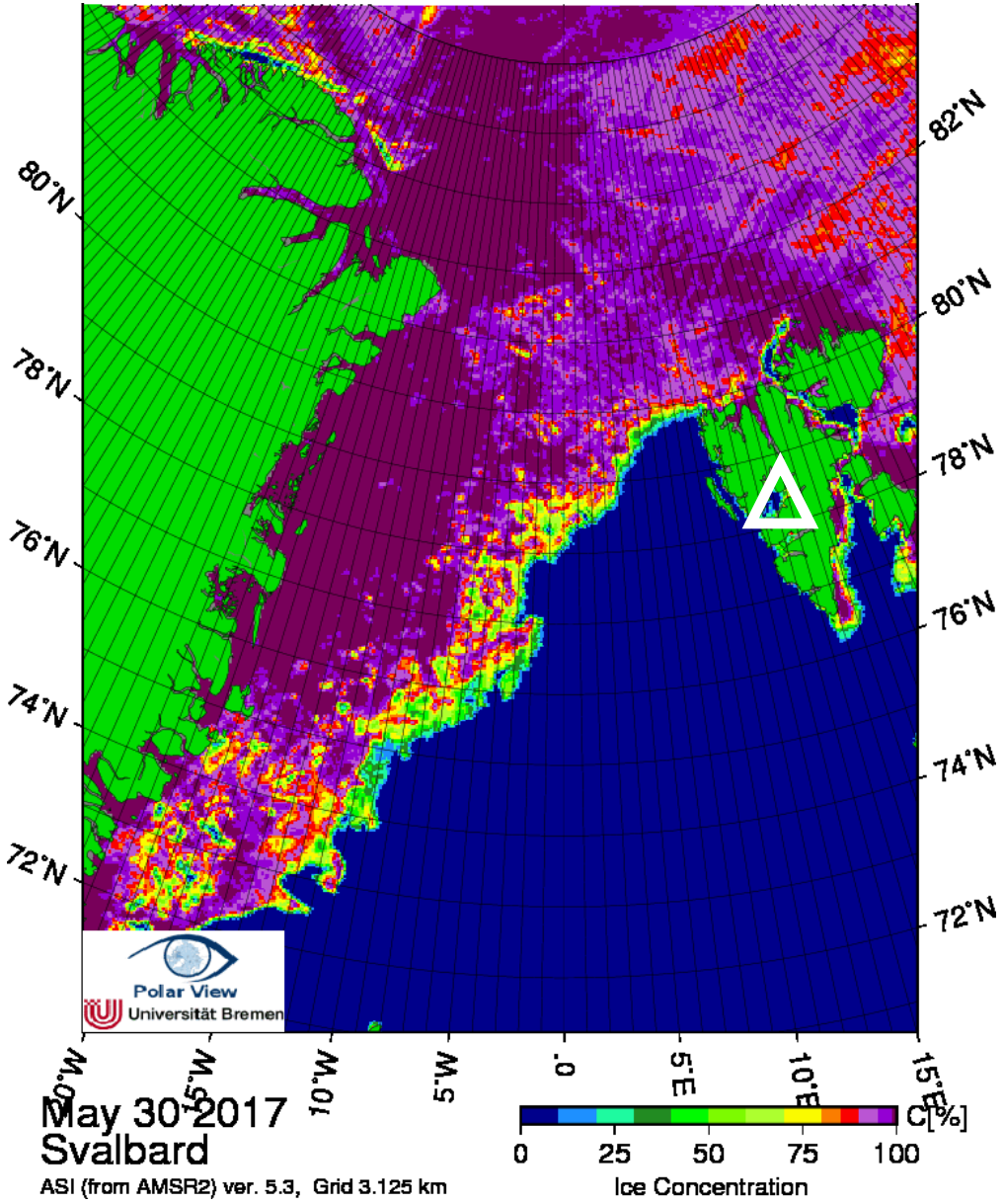


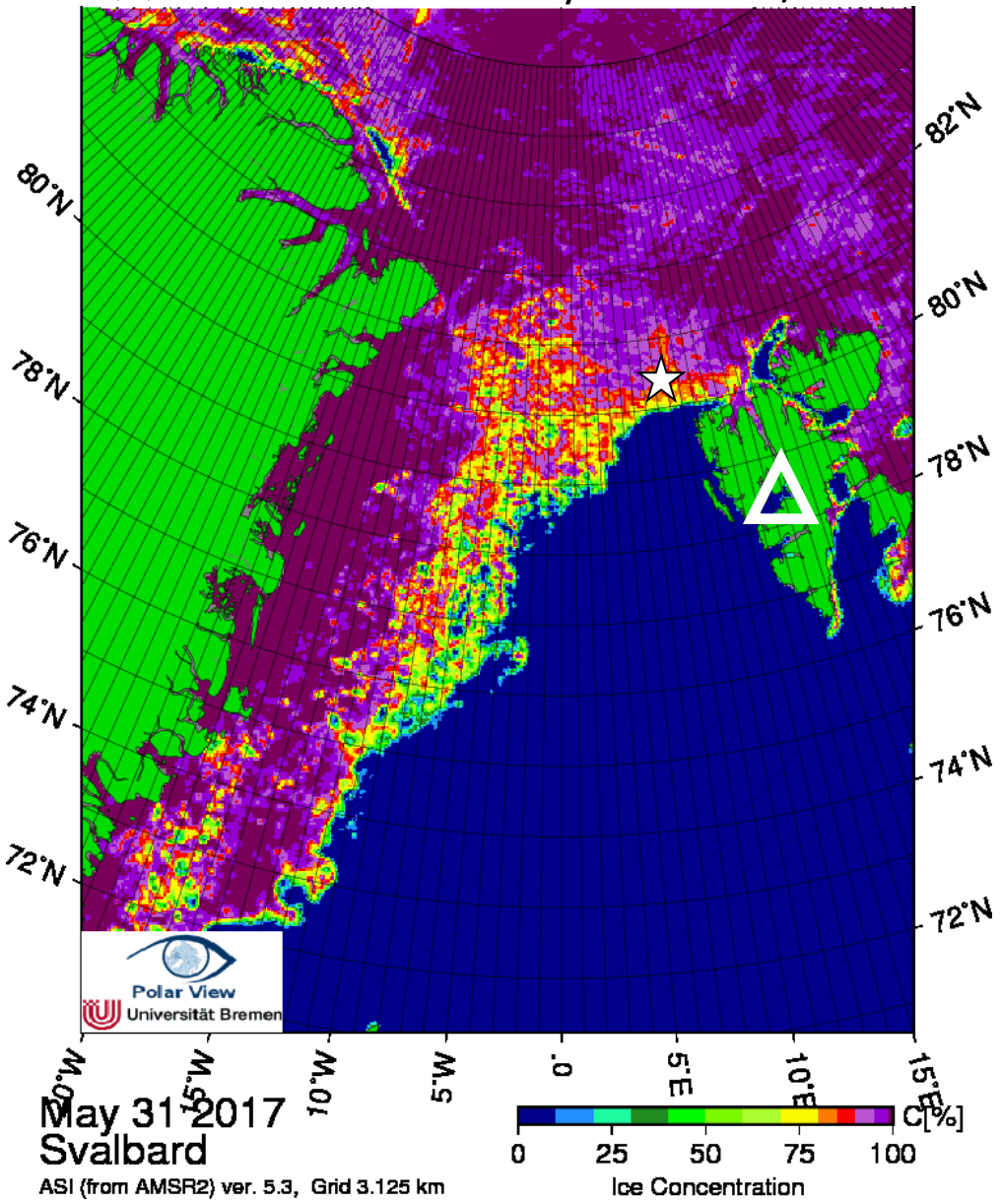
★ RV Polarstern (80°N/7°E)

10.8 µm

Arctic sea ice 30 & 31 May 2017

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

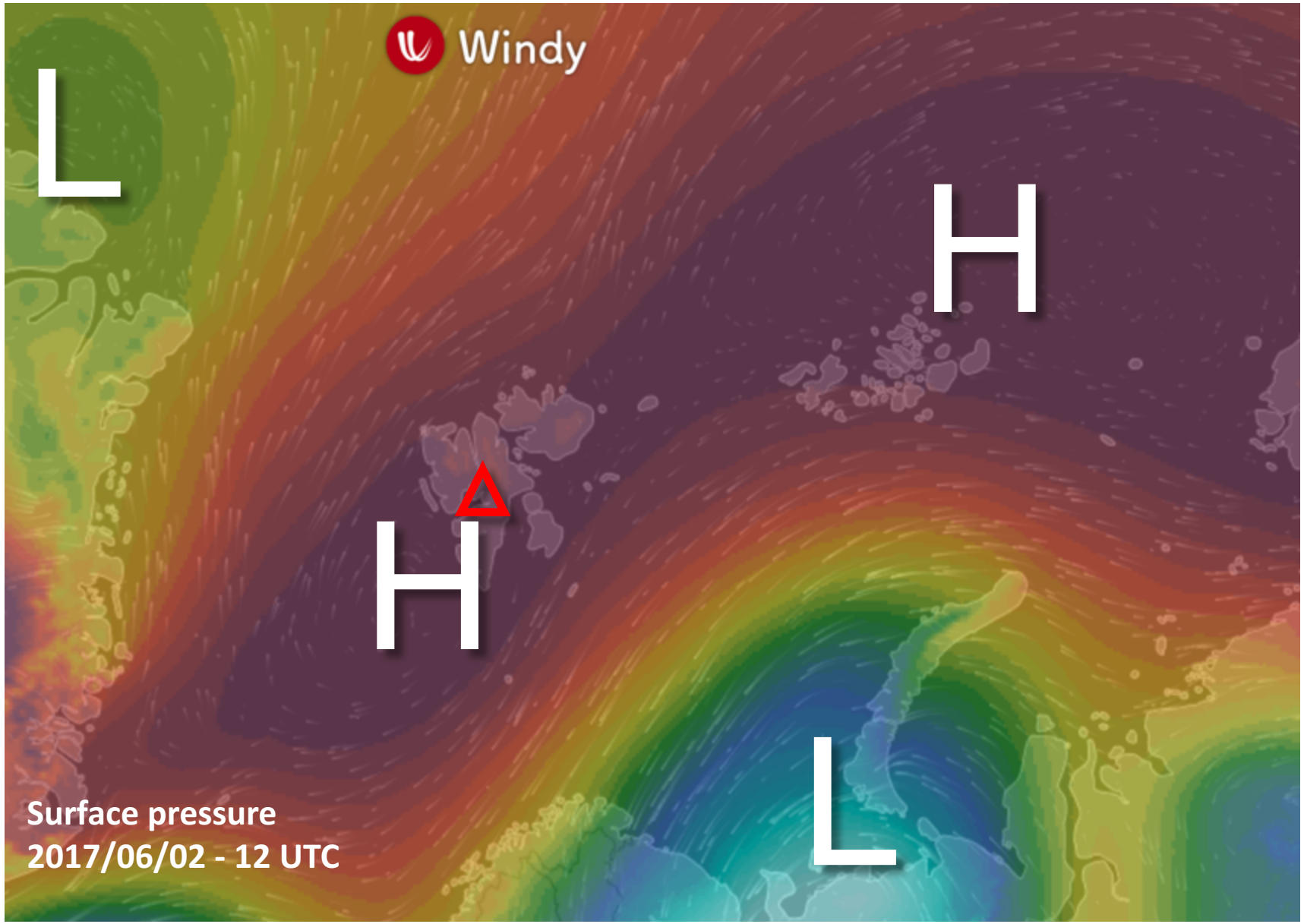




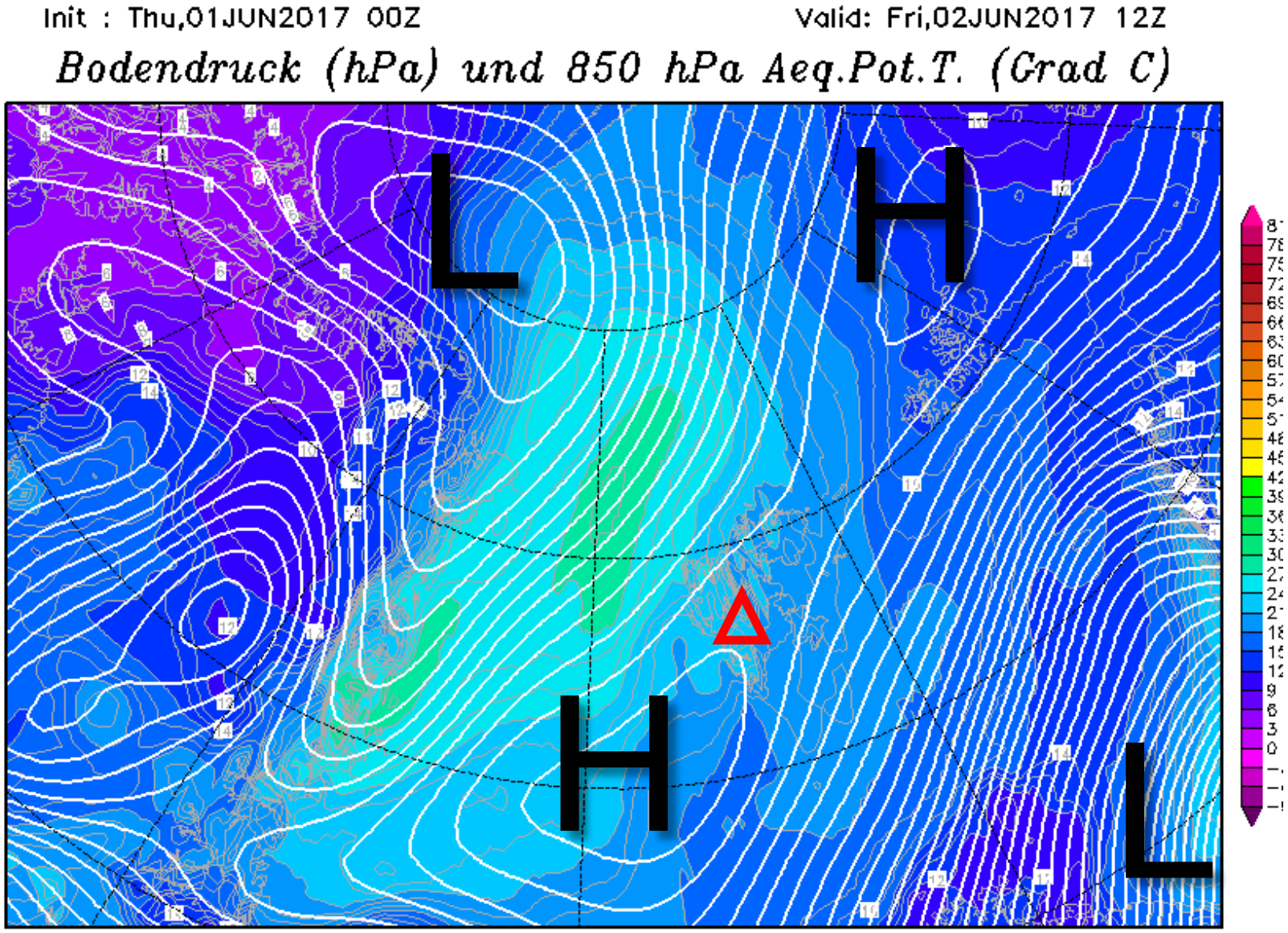
Flight Day

Fri 02 June 2017

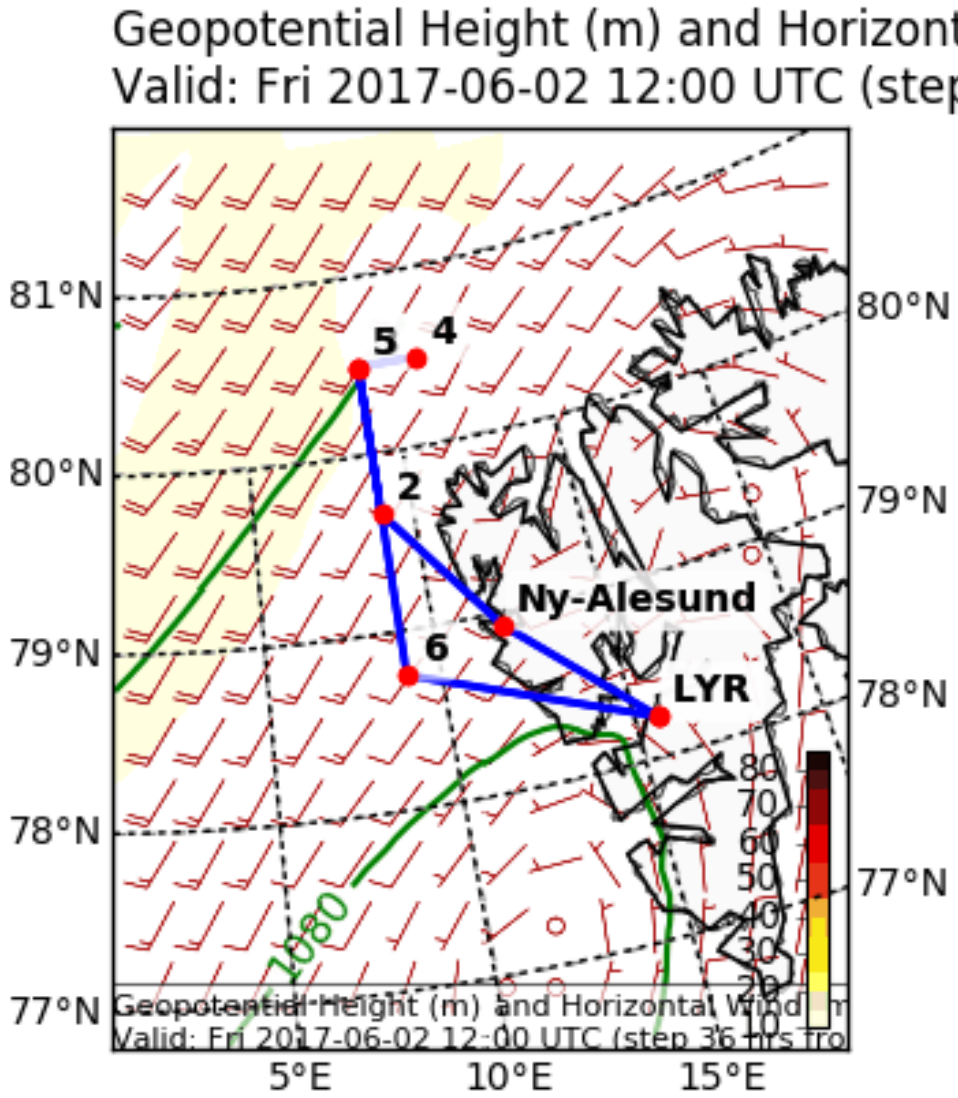
General Situation Fri 02 June 2017



850-hPa Theta Equiv. 02 June 2017 @ 12 UTC



Wind
Tomorrow 12 UTC



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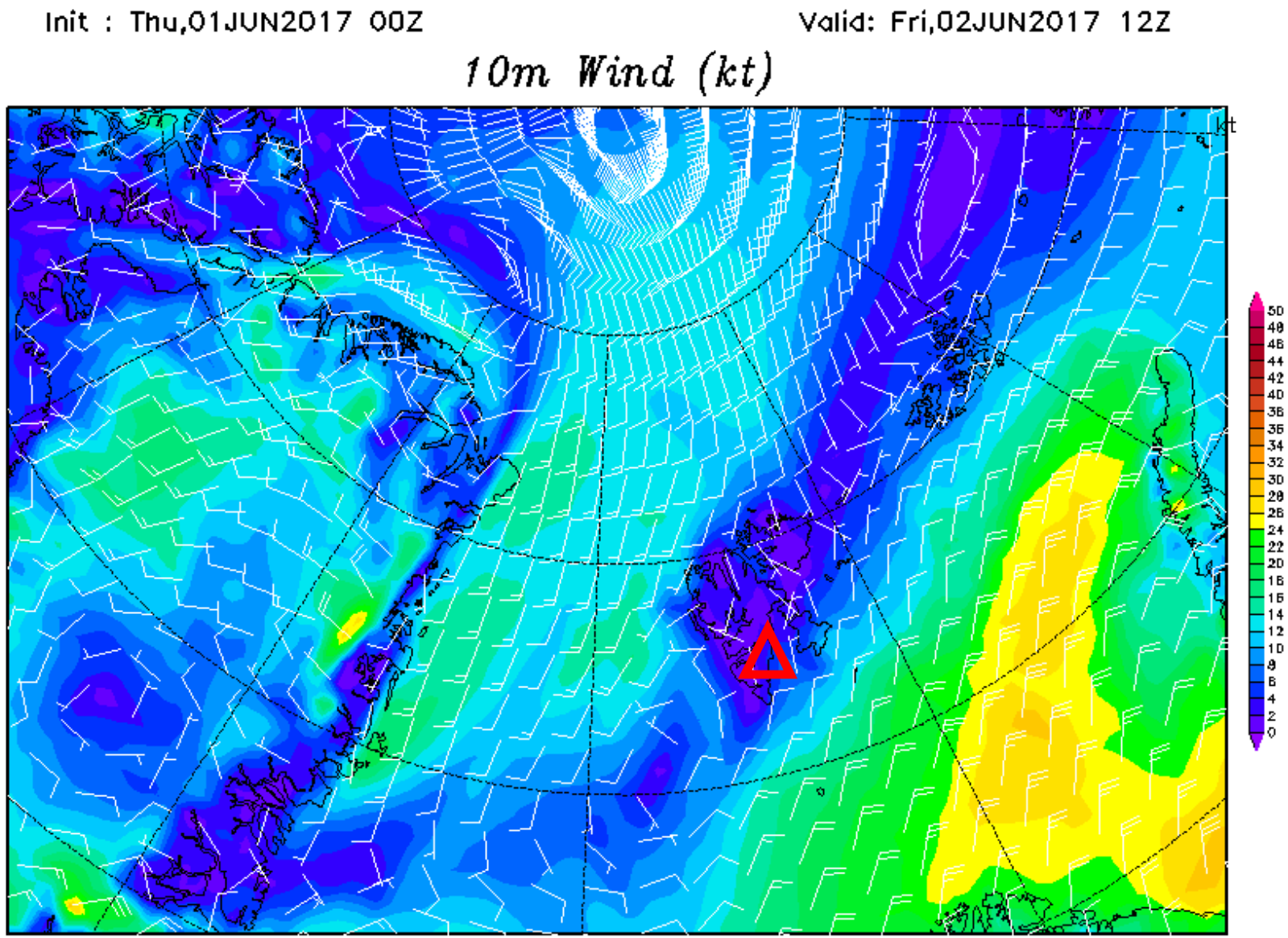
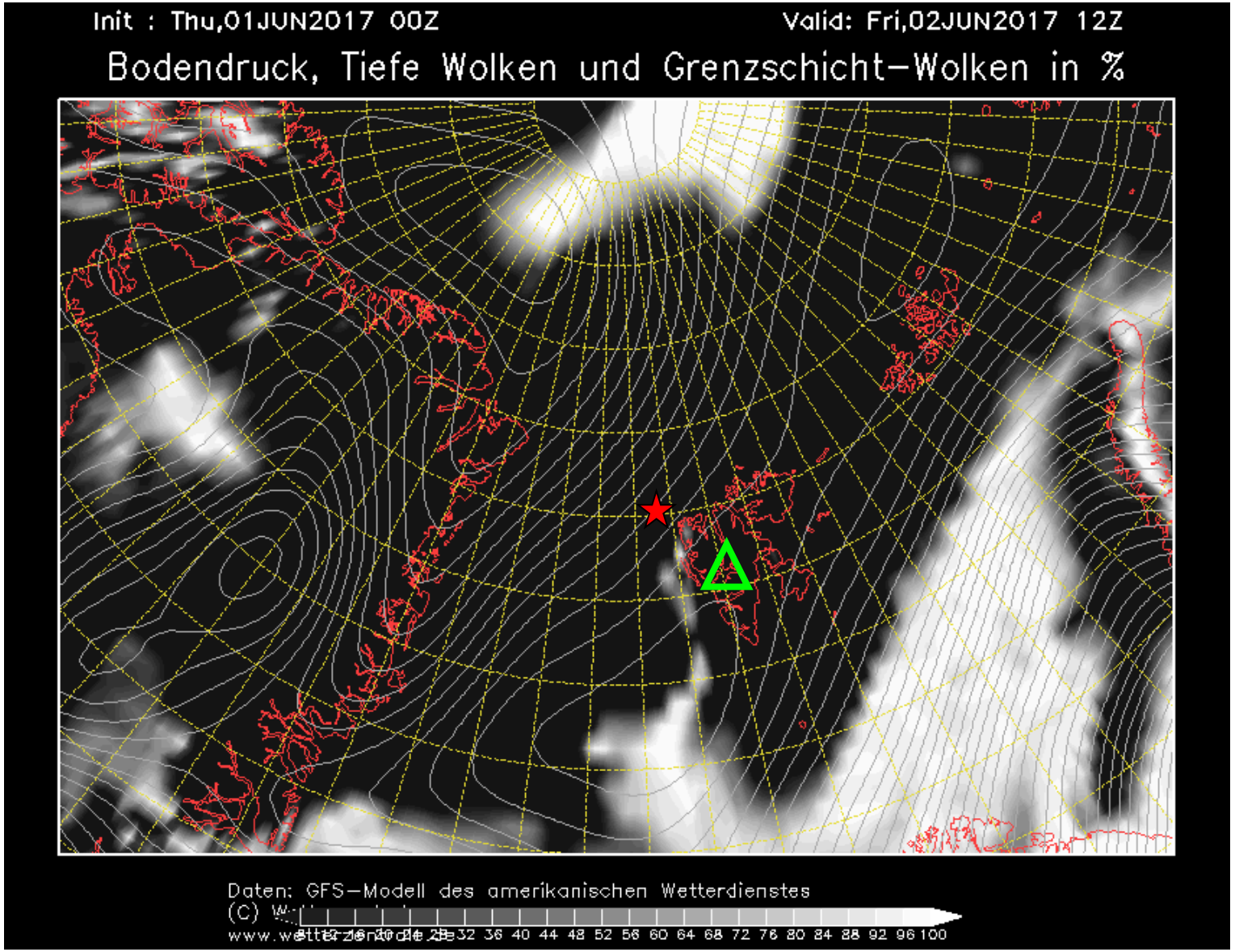
10-m Wind 02 June 2017 @ 12 UTC



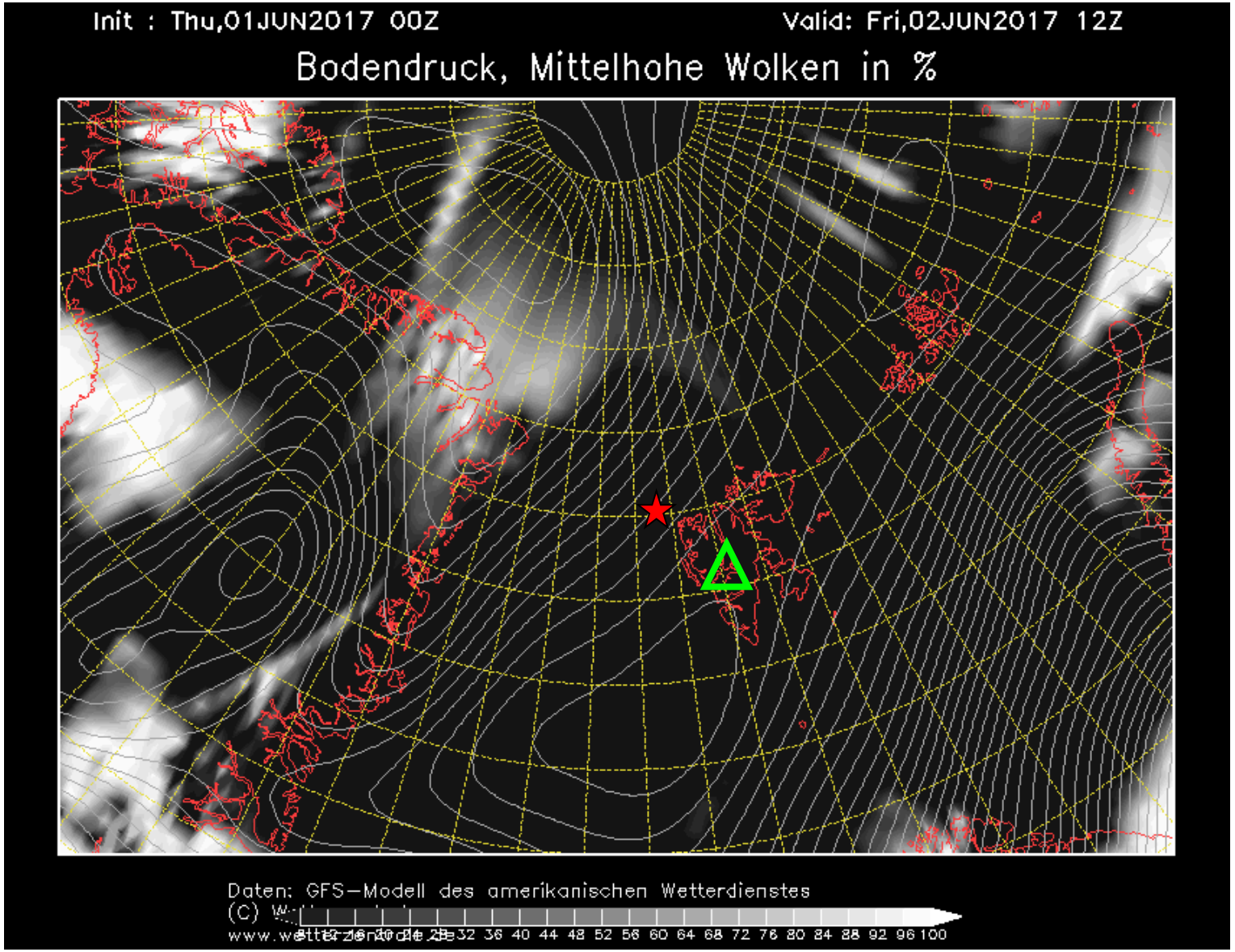
Low-level cloud cover 02 June 2017 @ 12 UTC

★ RV Polarstern (80°24’ N / 7°20’ E)



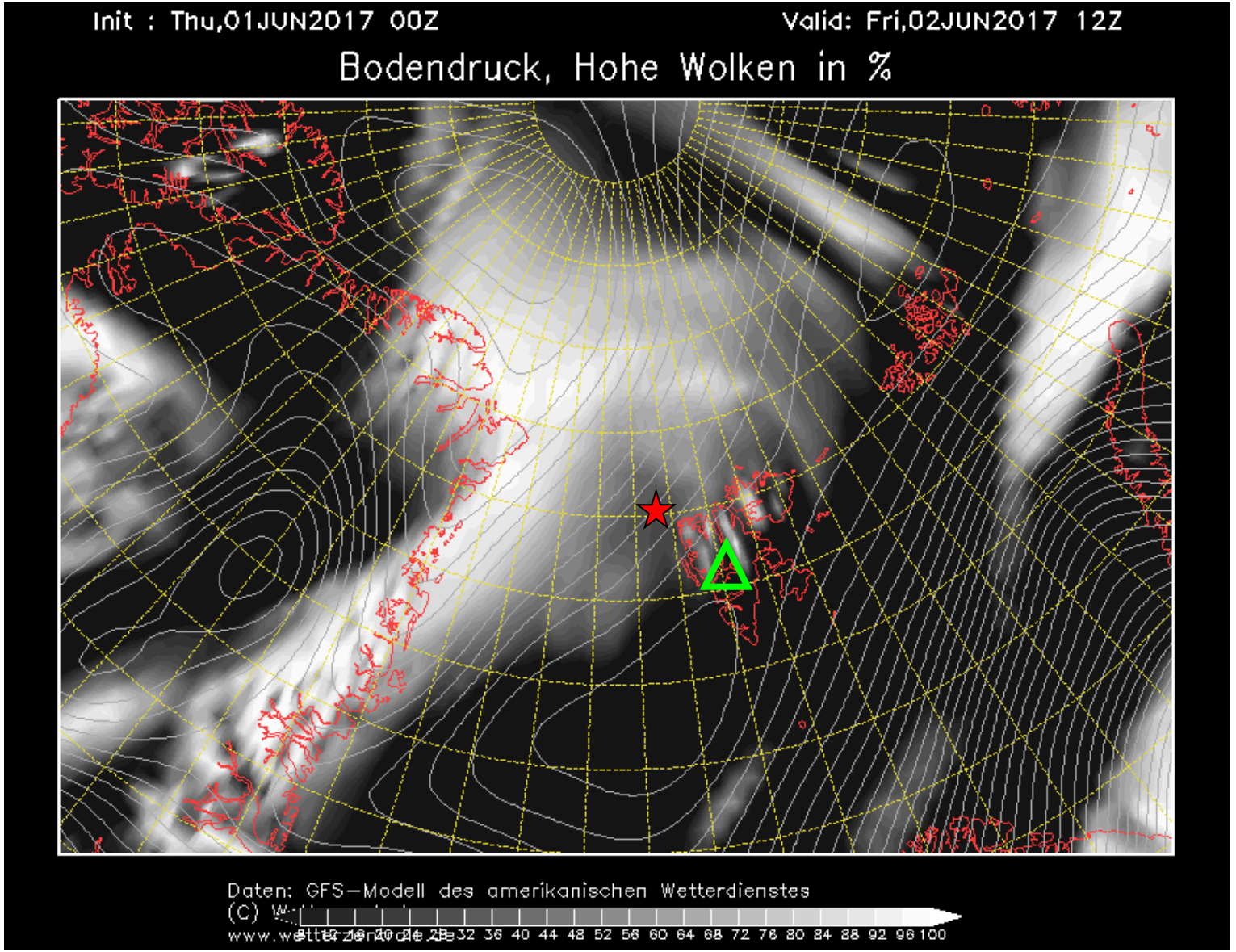
Mid-level cloud cover 02 June 2017 @ 12 UTC

★ RV Polarstern (80°24’ N / 7°20’ E)

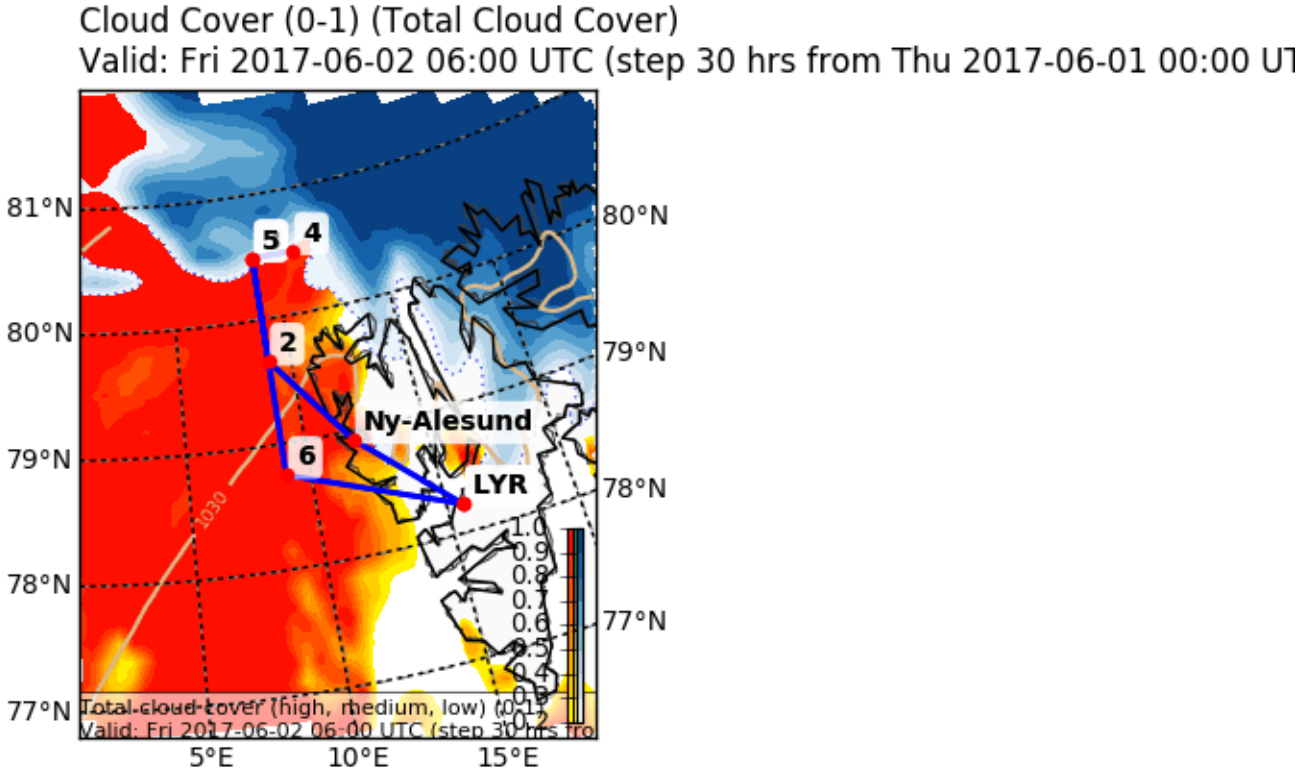


High-level cloud cover 02 June 2017 @ 12 UTC

★ RV Polarstern (80°24’ N / 7°20’ E)



Forecast
Tomorrow 06 UTC



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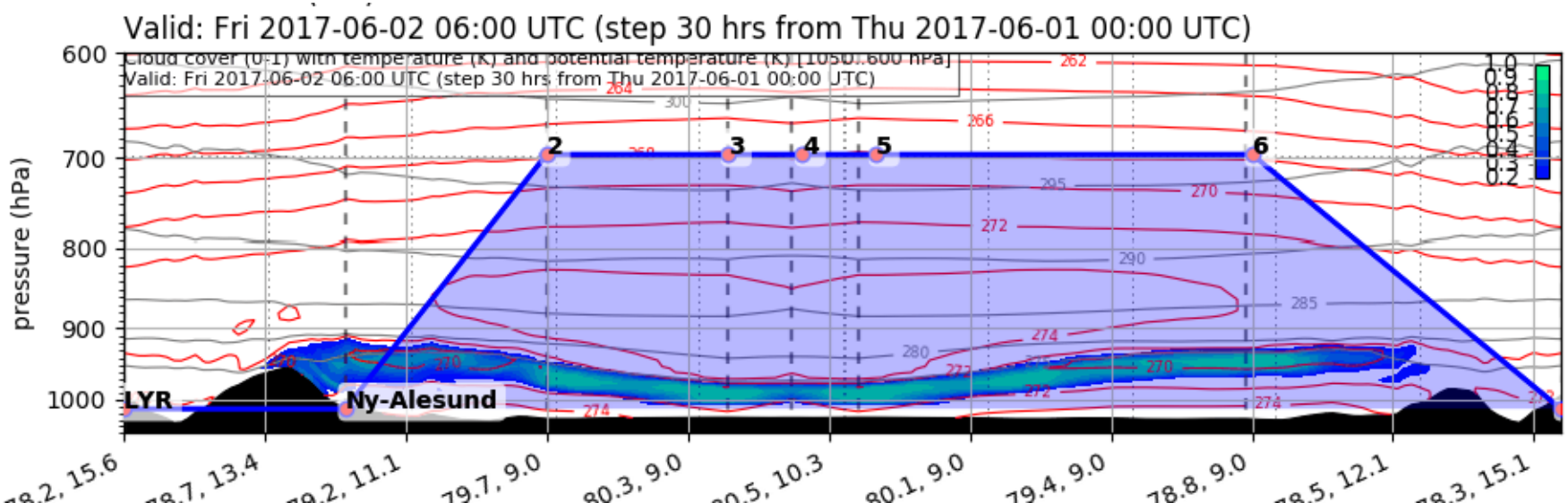
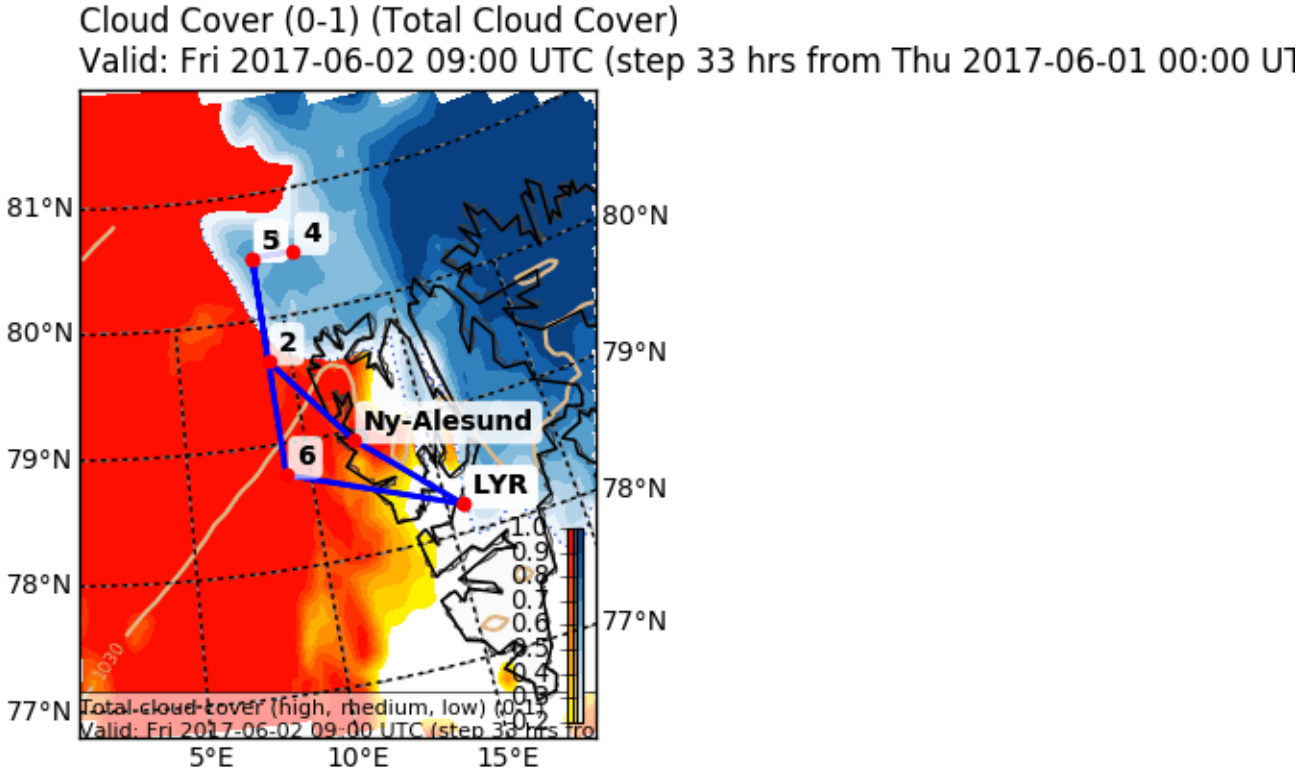


Forecast
Tomorrow 09 UTC



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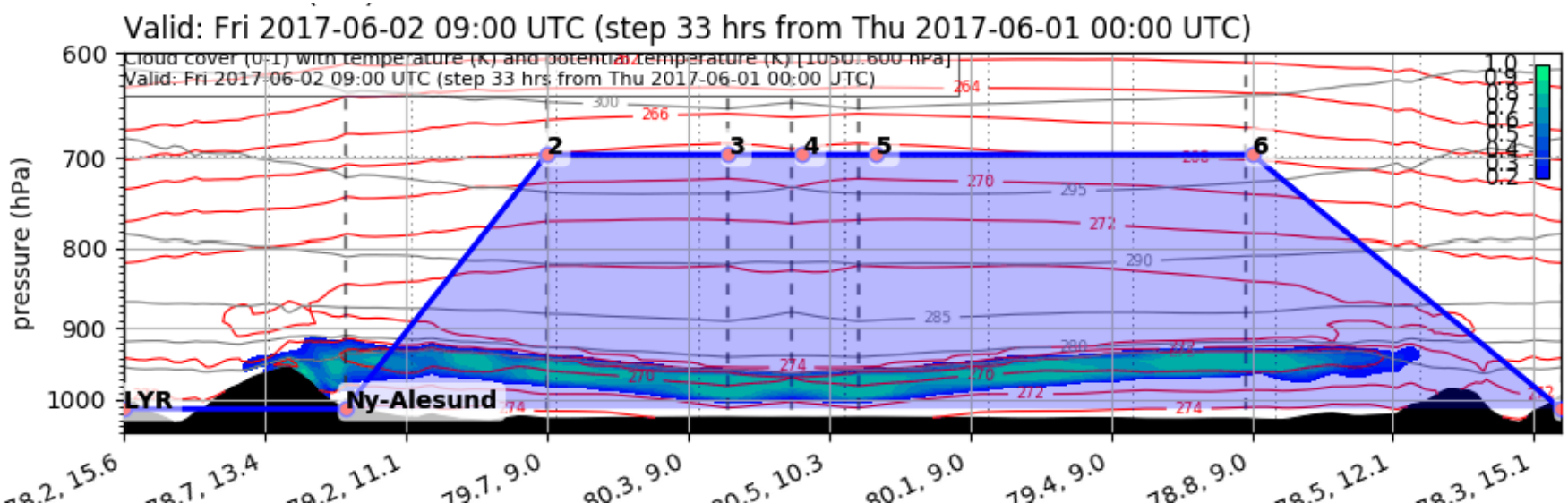
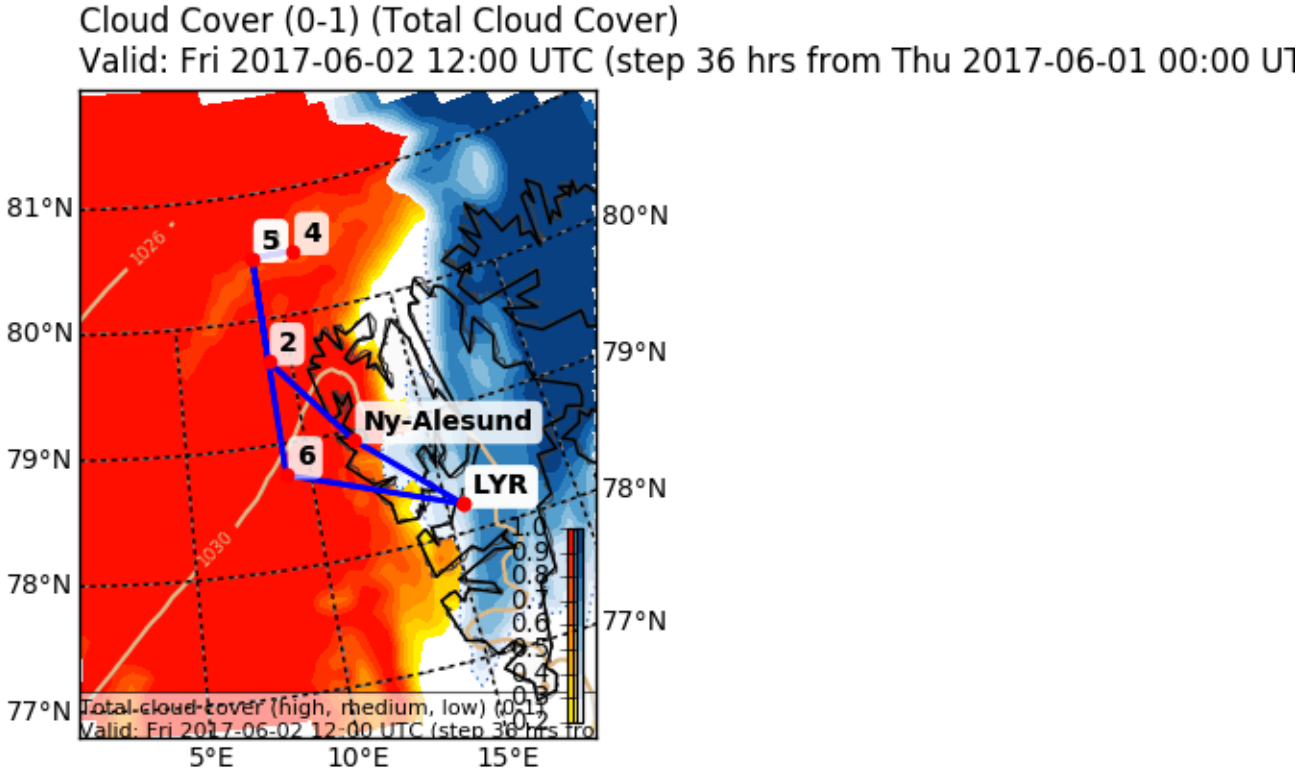


Forecast
Tomorrow 12 UTC



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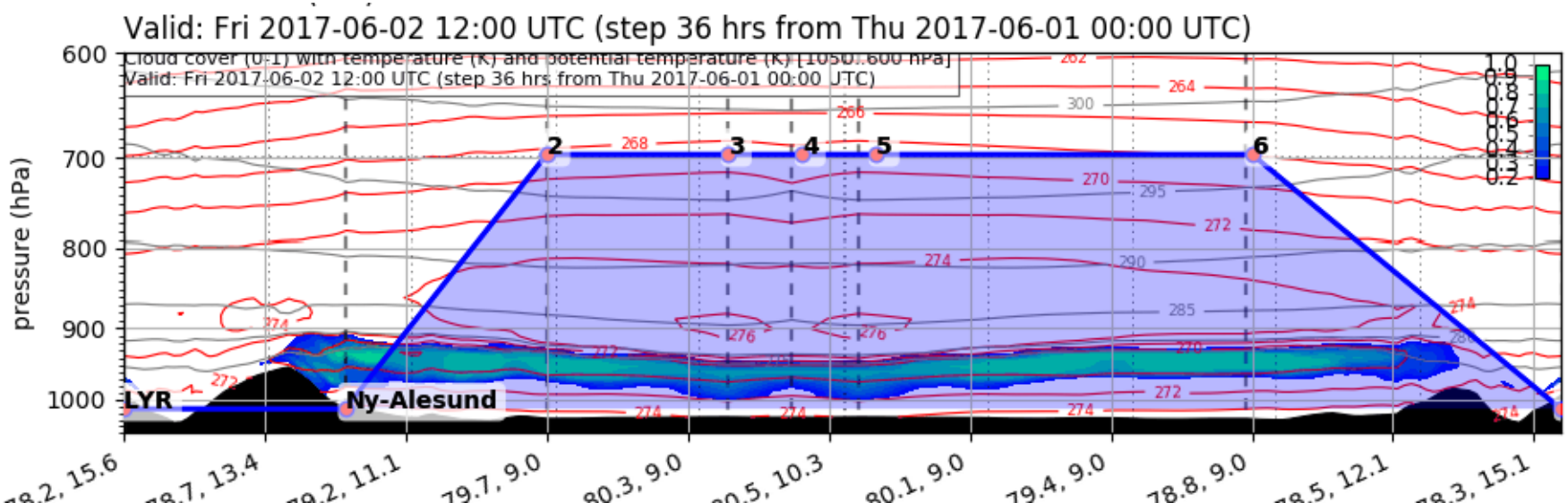
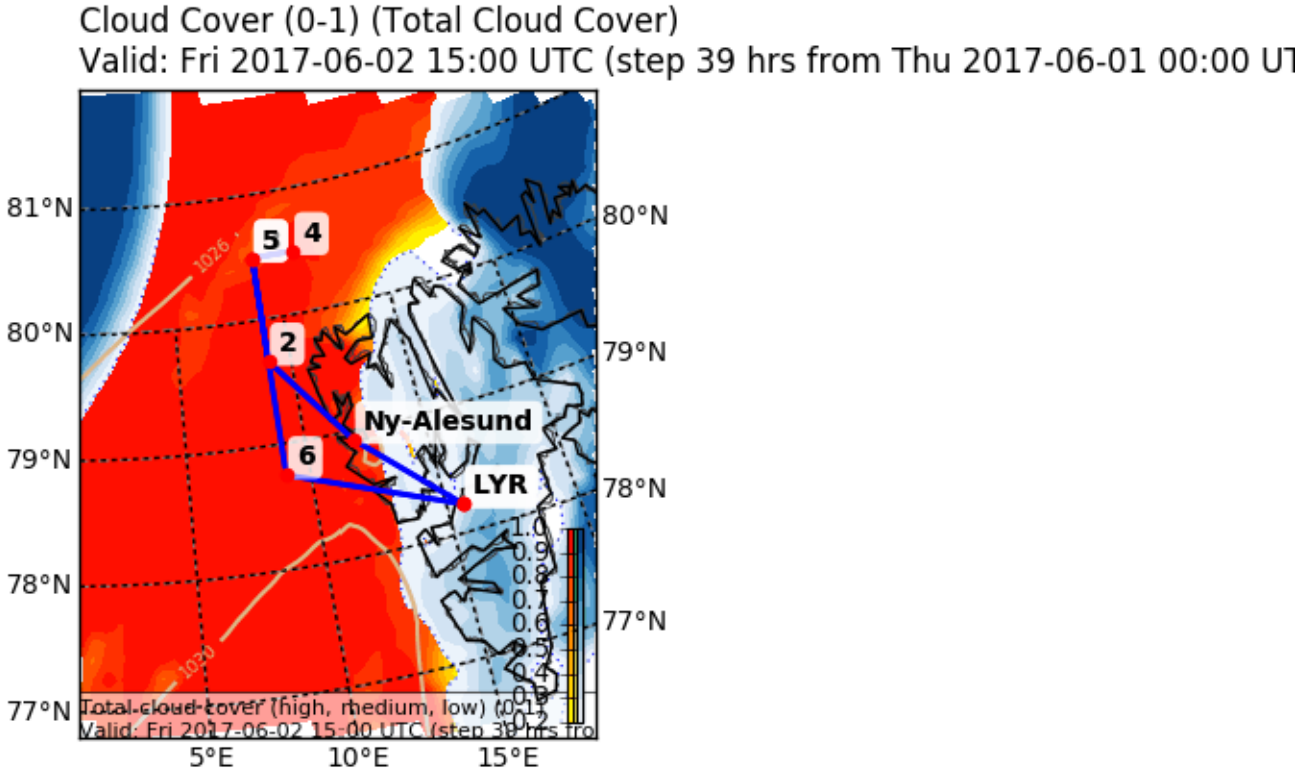


Forecast
Tomorrow 15 UTC



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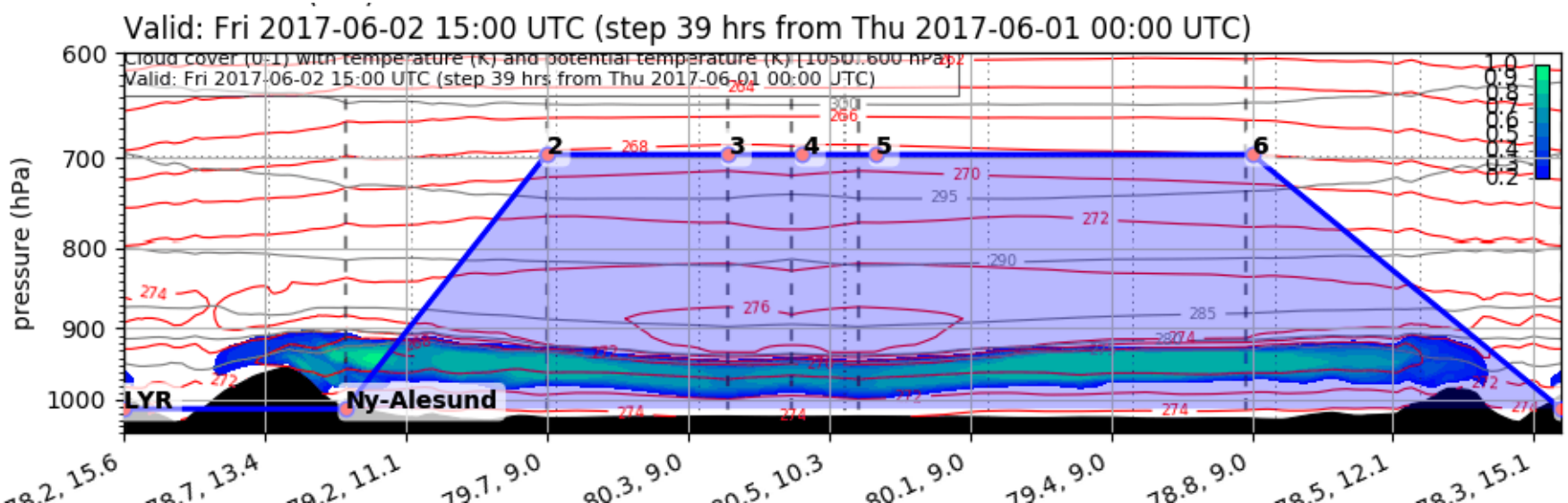
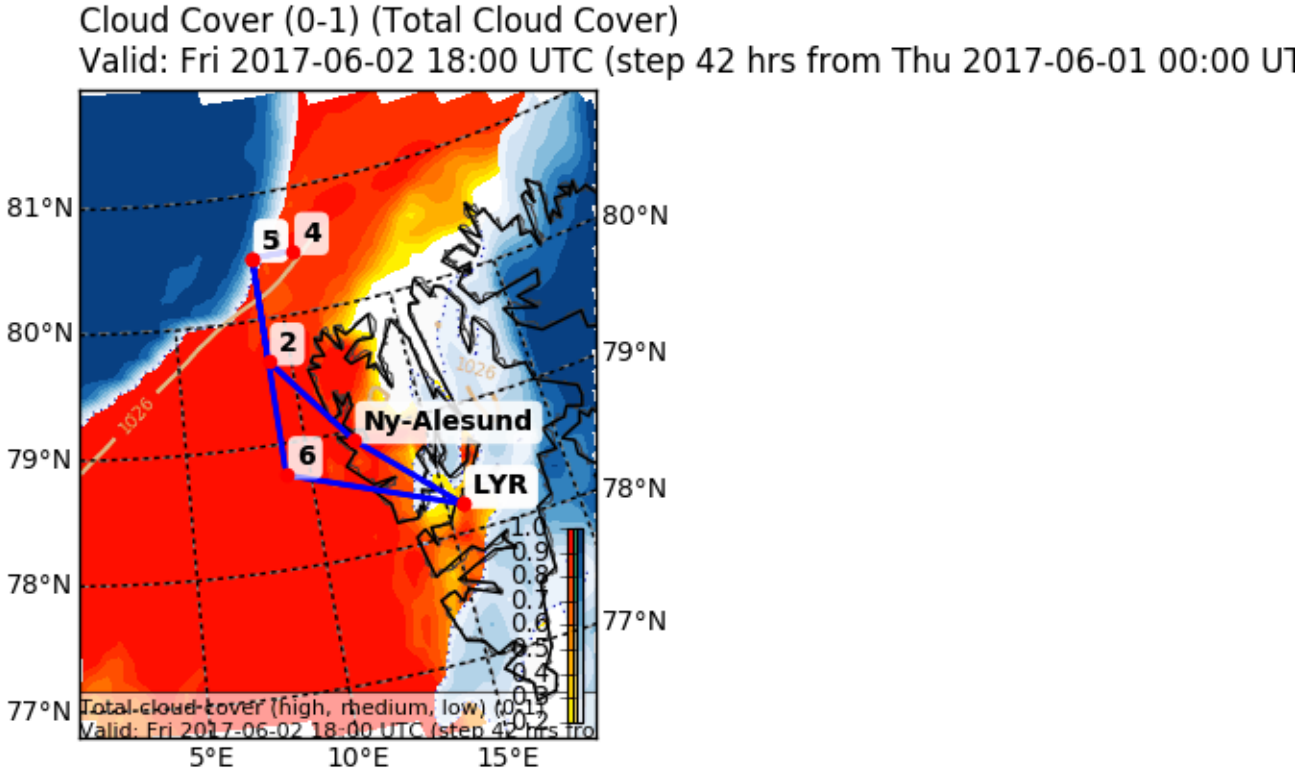


Forecast
Tomorrow 18 UTC



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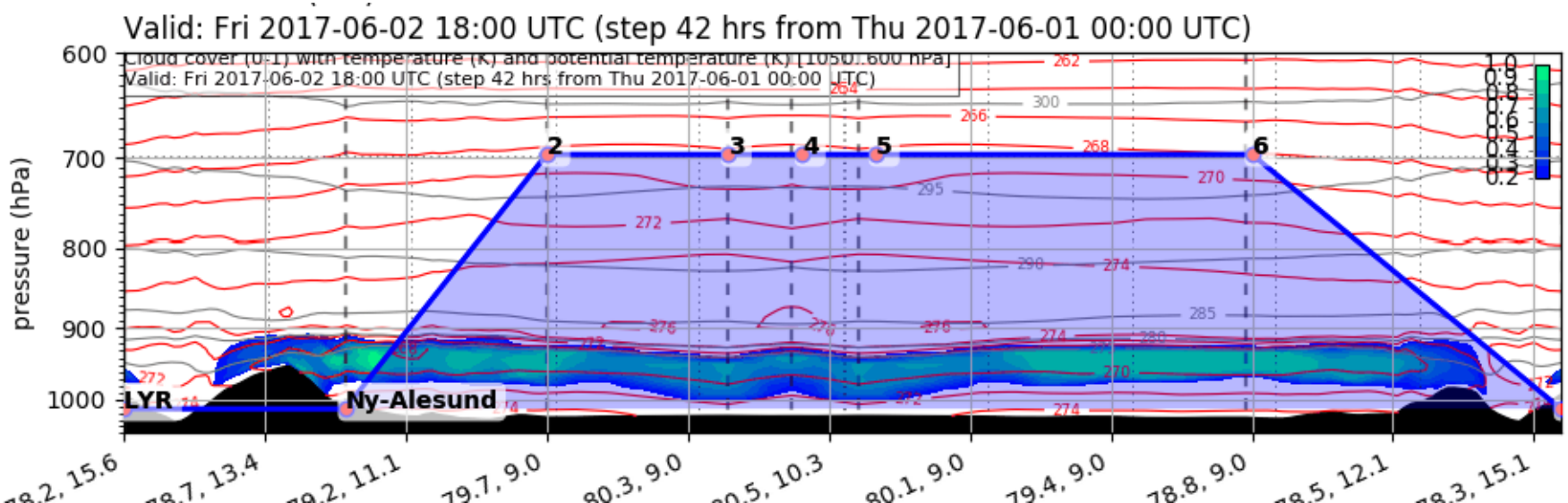
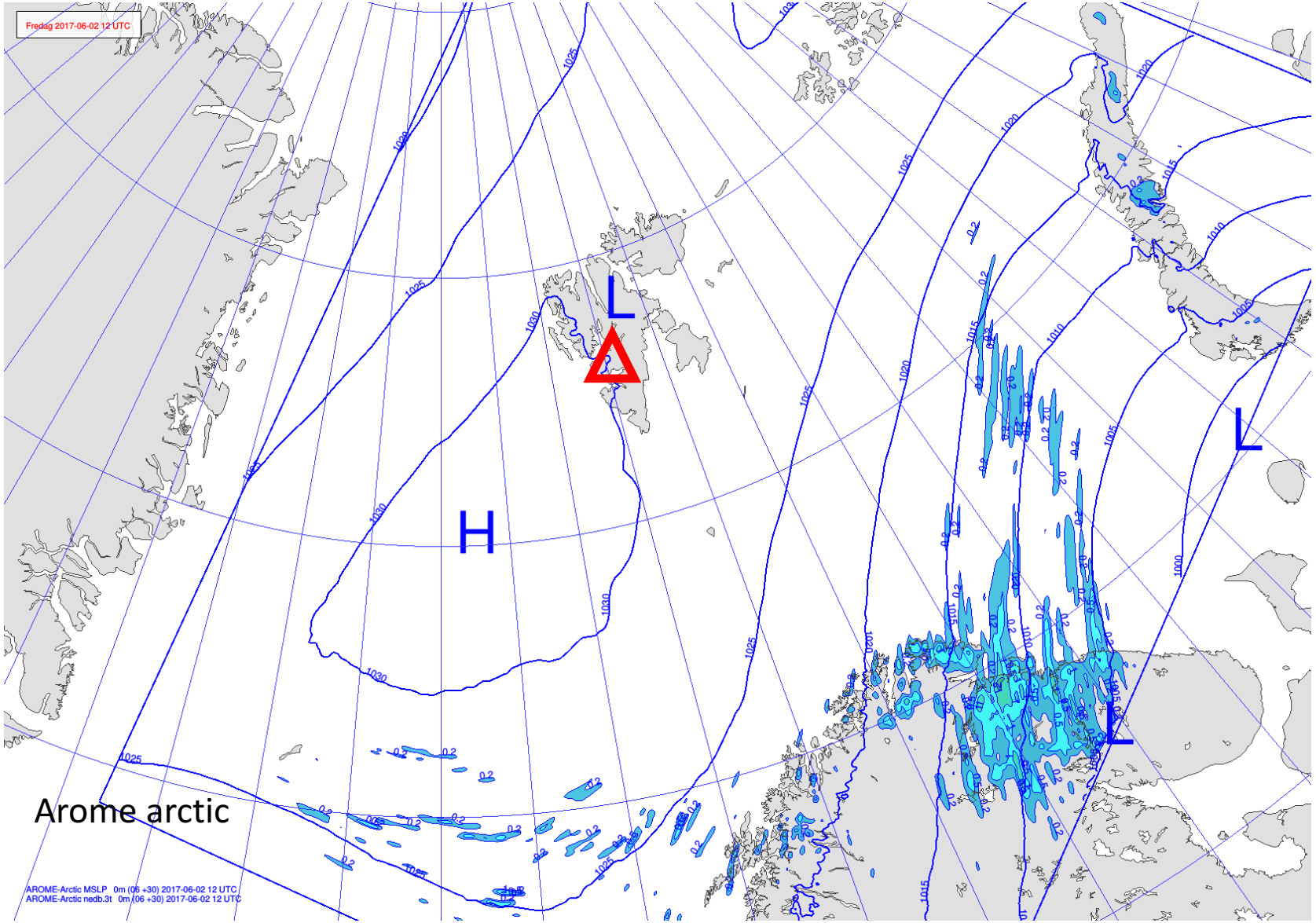
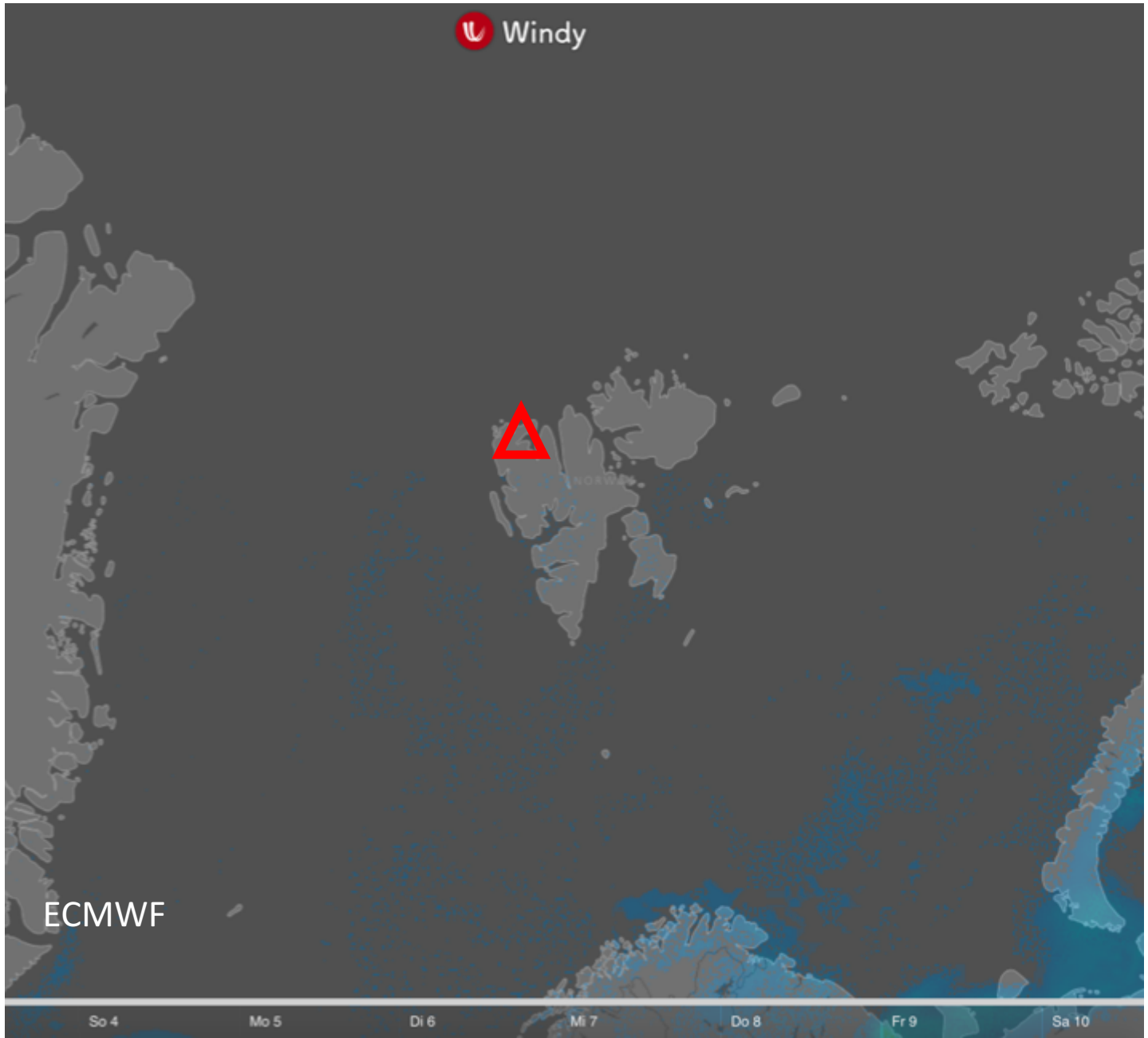


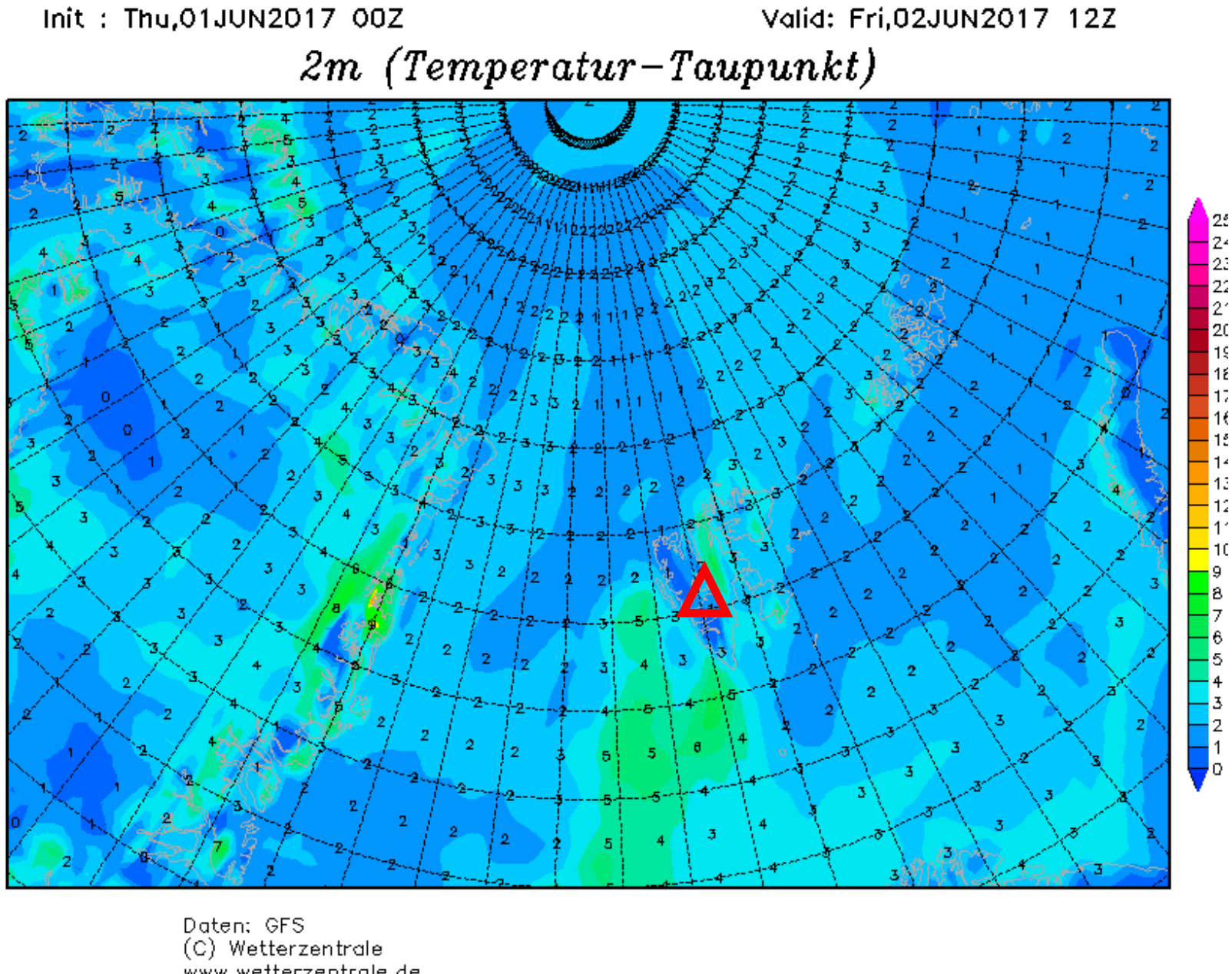
Precipitation 2 June 2017 @ 12 UTC



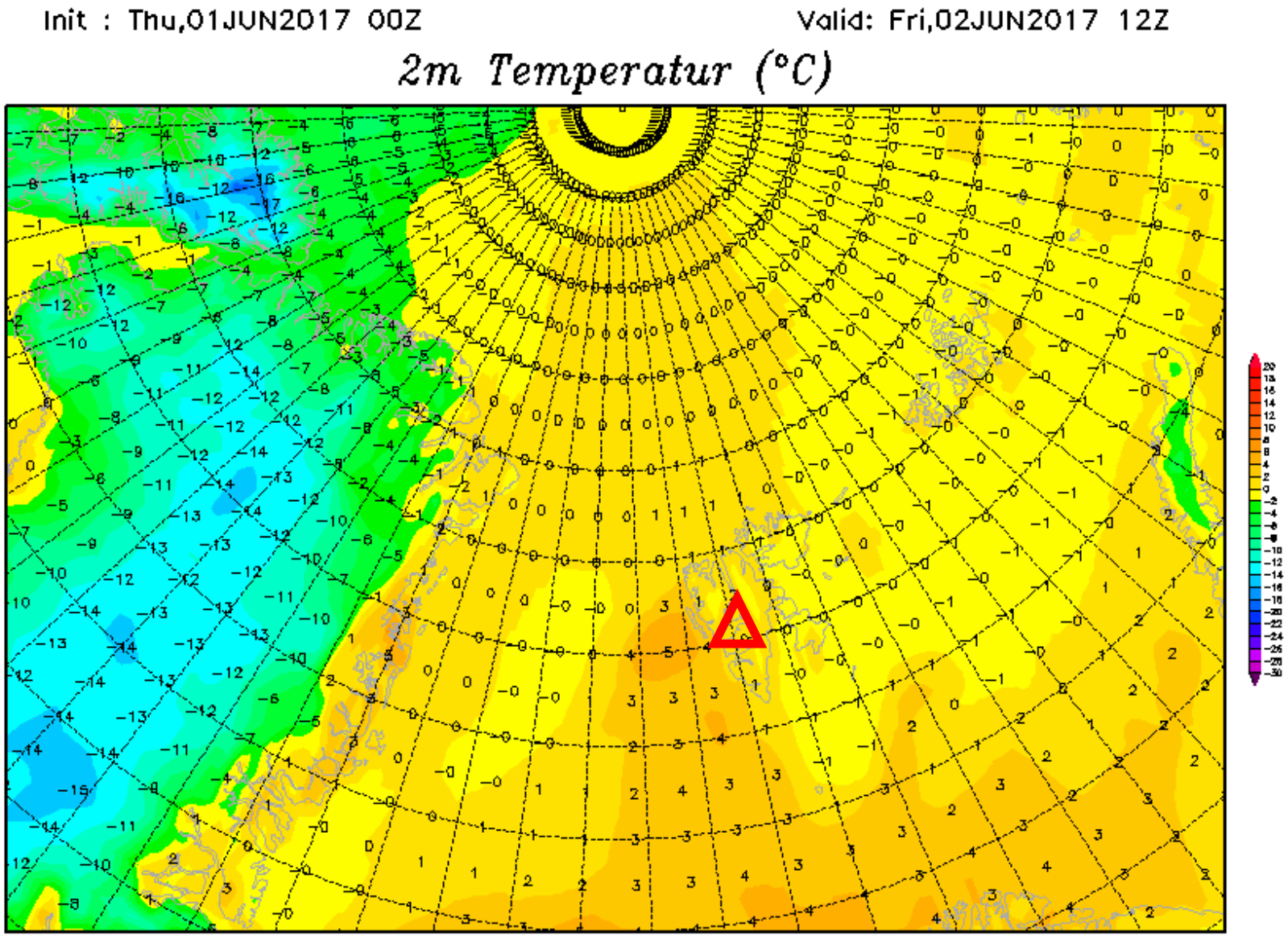
Precipitation 2 June 2017 @ 12 UTC



2-m dew point diff. 2 June 2017 @ 12 UTC



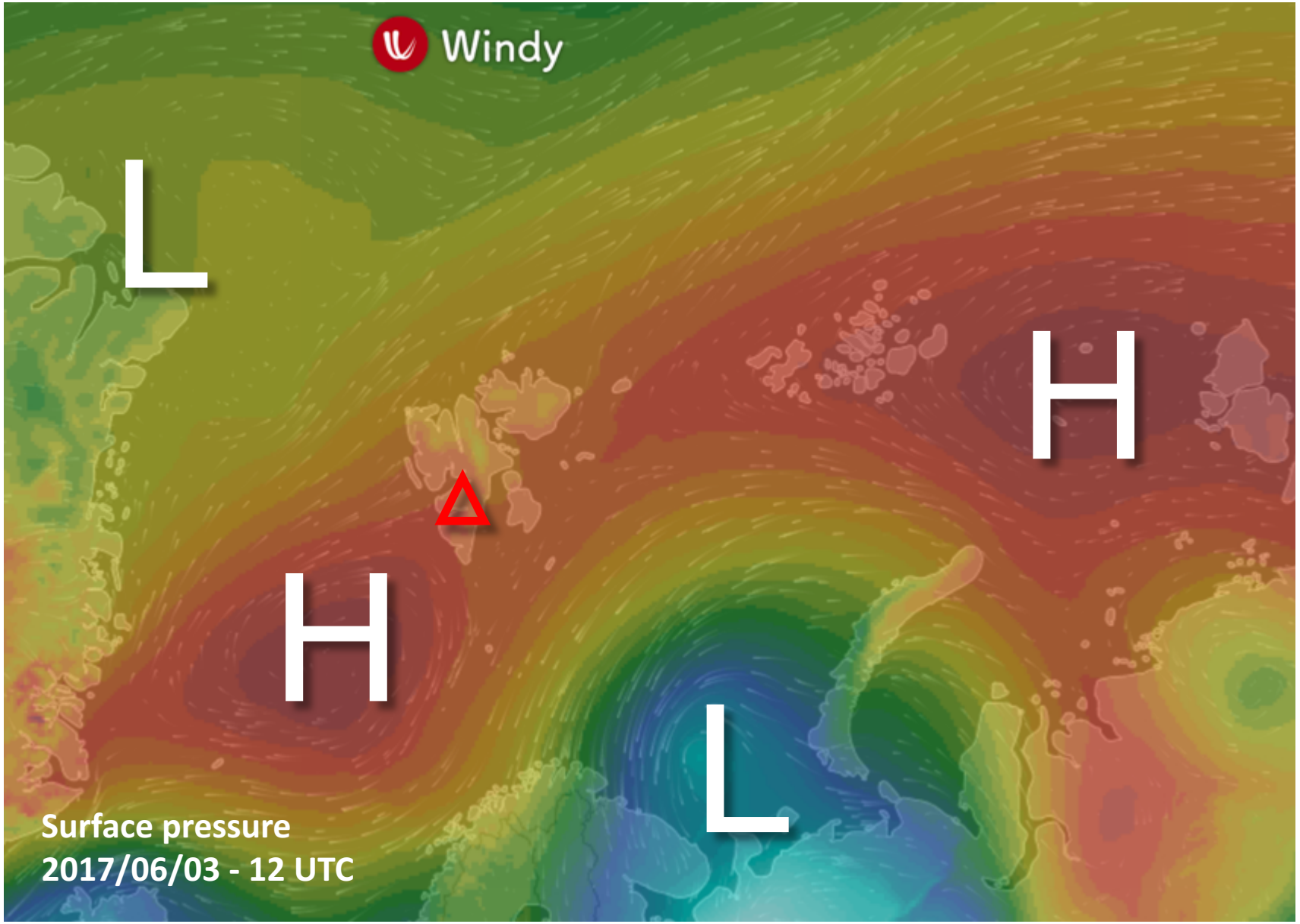
2-m temperature 2 June 2017 @ 12 UTC



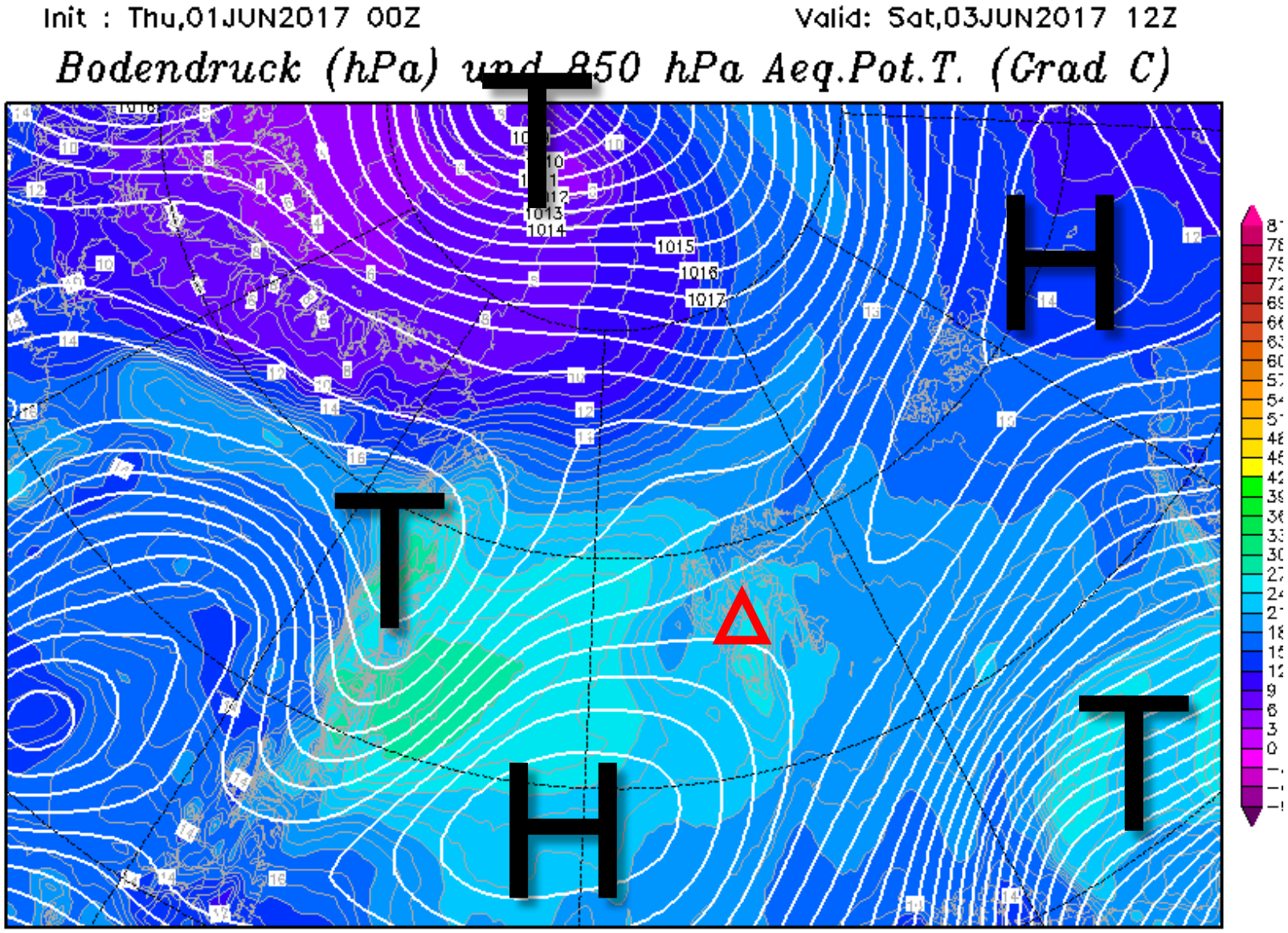
Outlook

Sat 3 June – Sun 4 June 2017

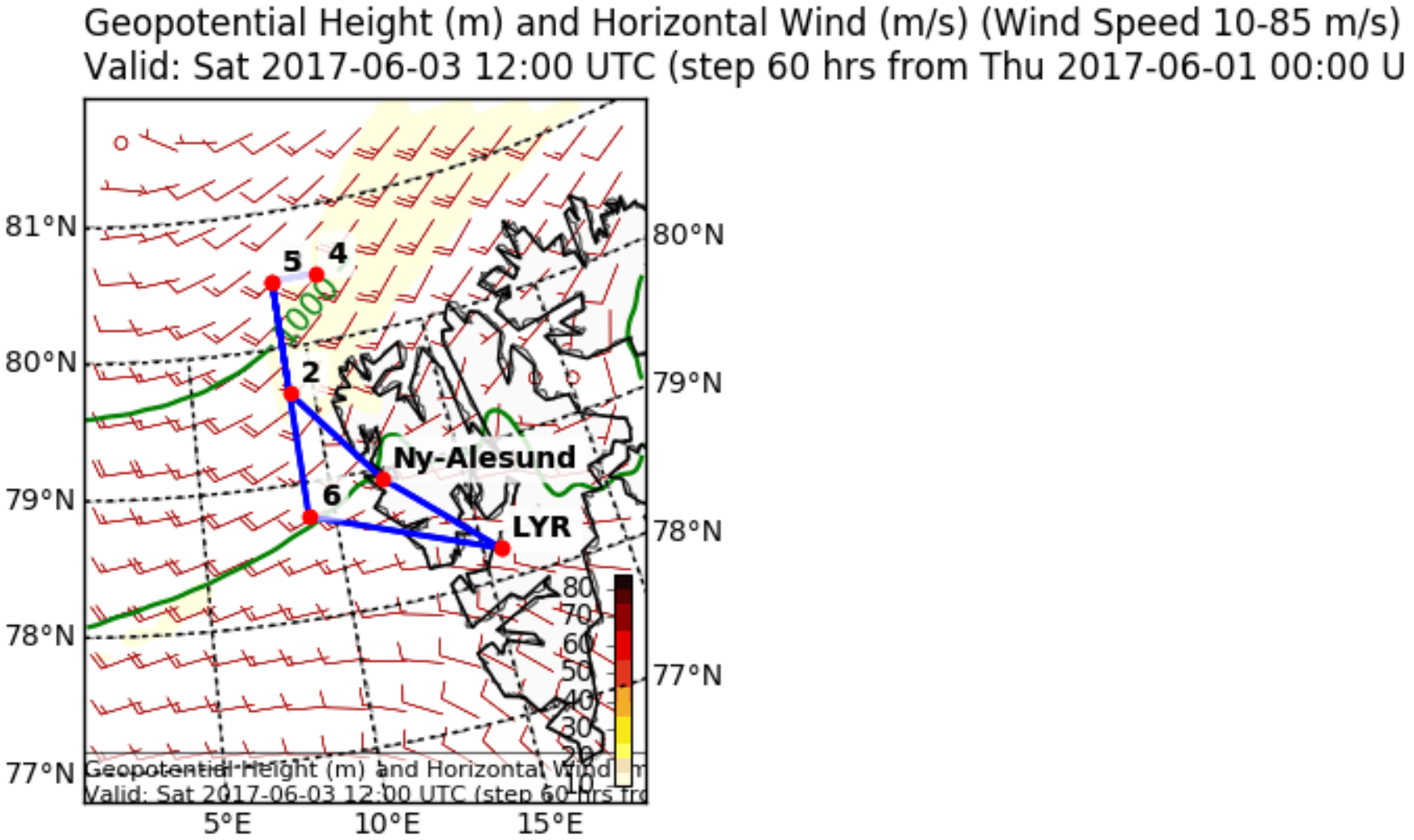
General Situation Sat 3 June 2017



850-hPa Theta Equiv. 3 June 2017 @ 12 UTC



Wind, After Tomorrow 12 UTC



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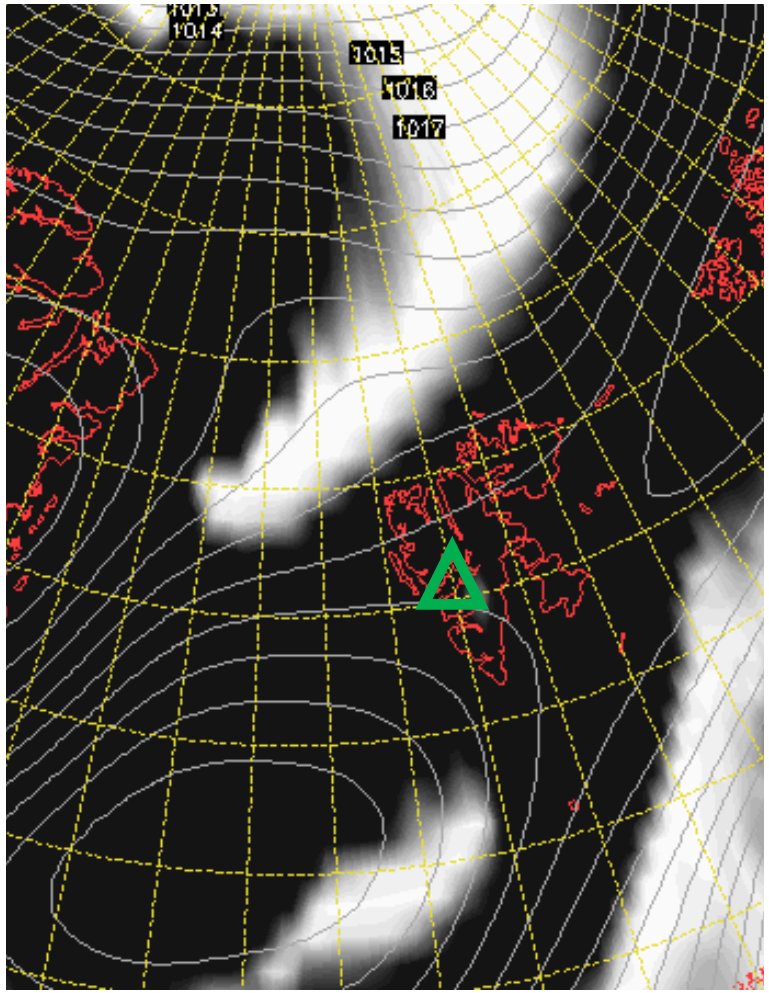
Cloud Cover 3 June 2017 @ 12 UTC

L



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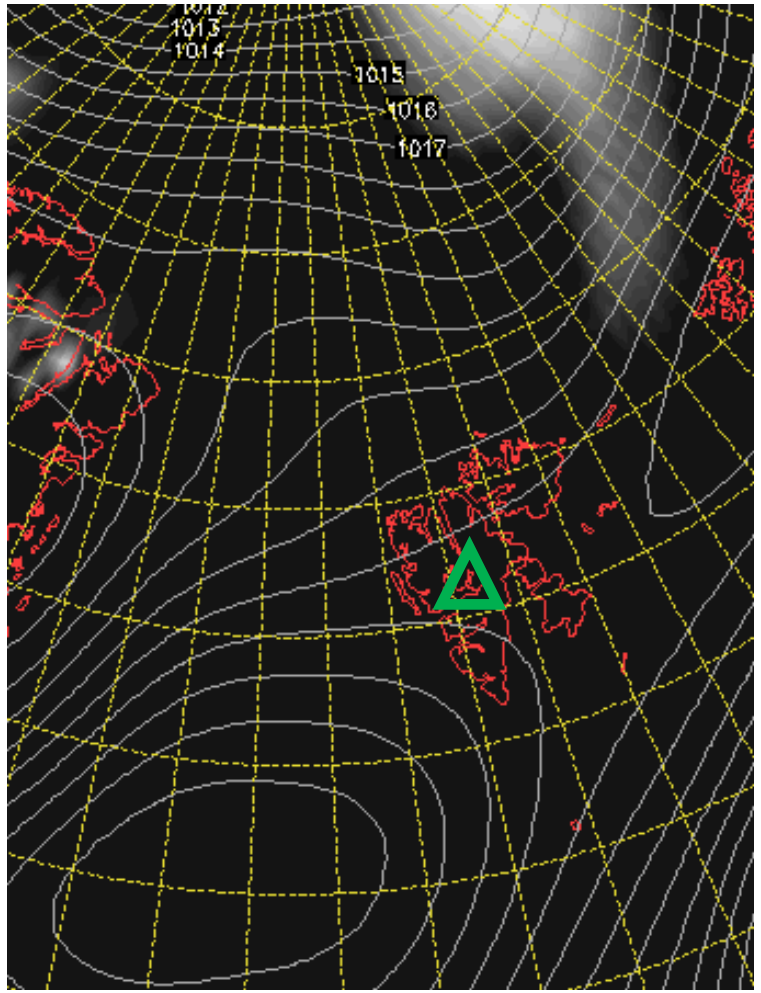

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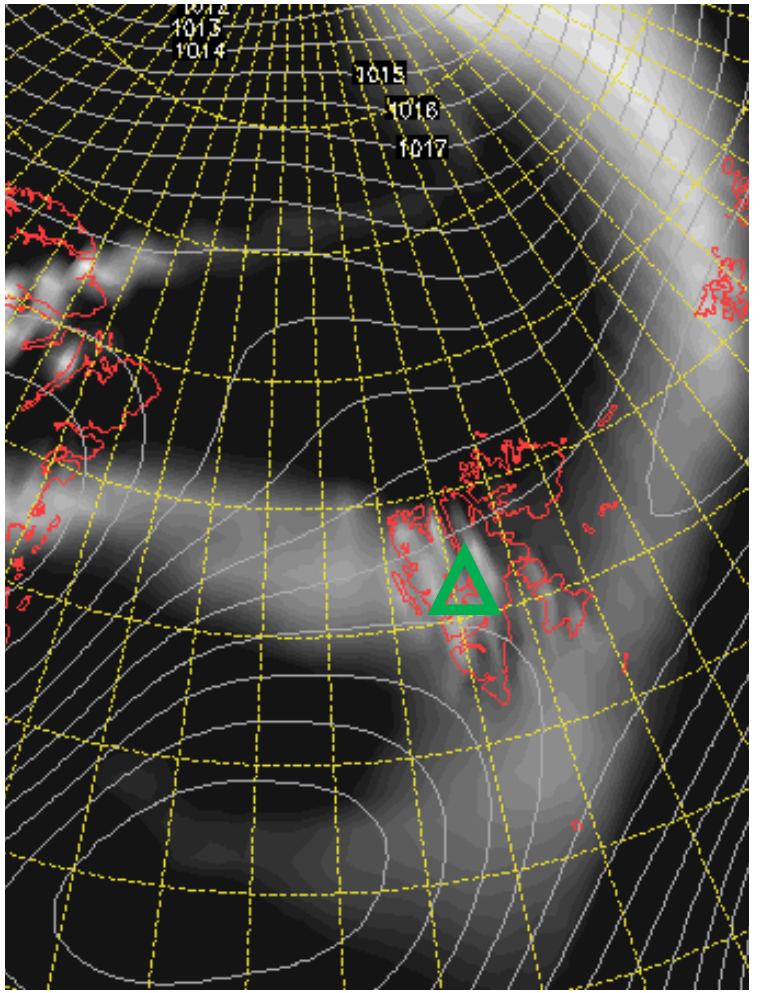
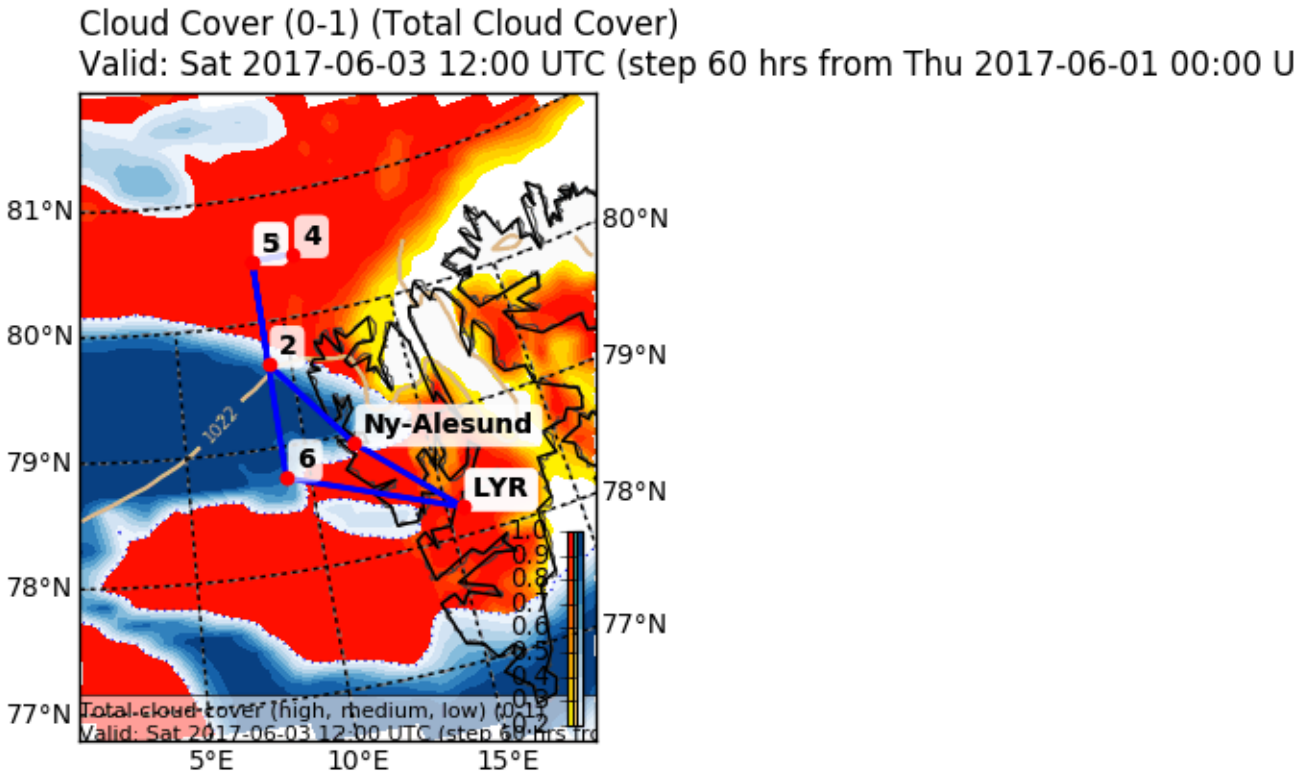


Forecast After Tomorrow 12 UTC



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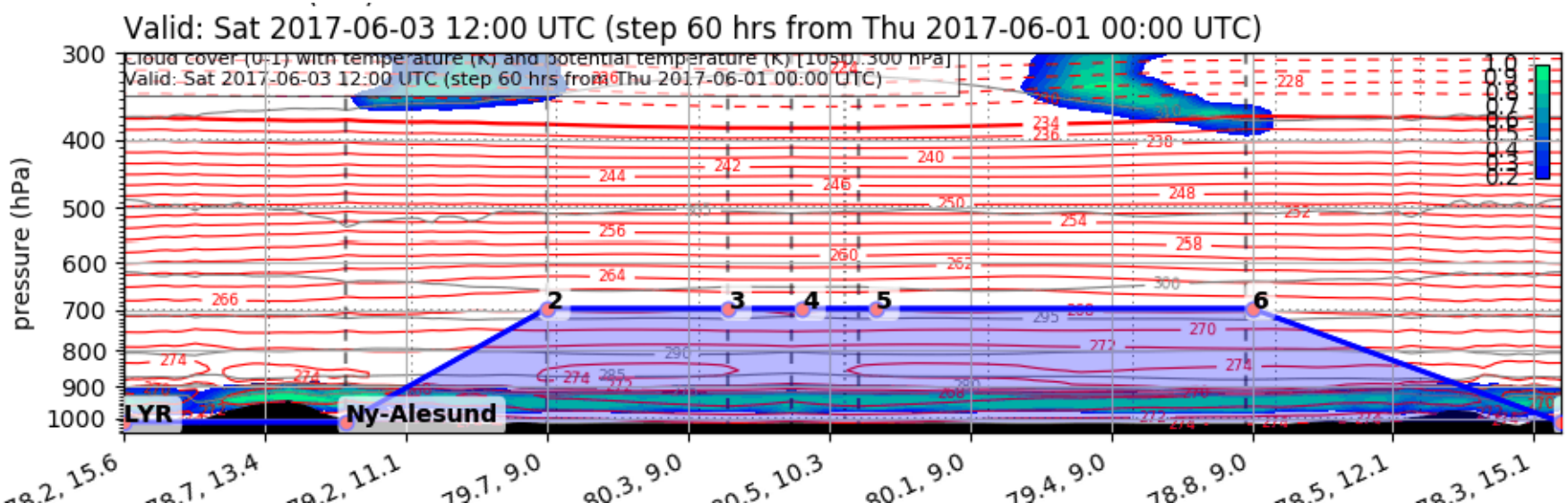
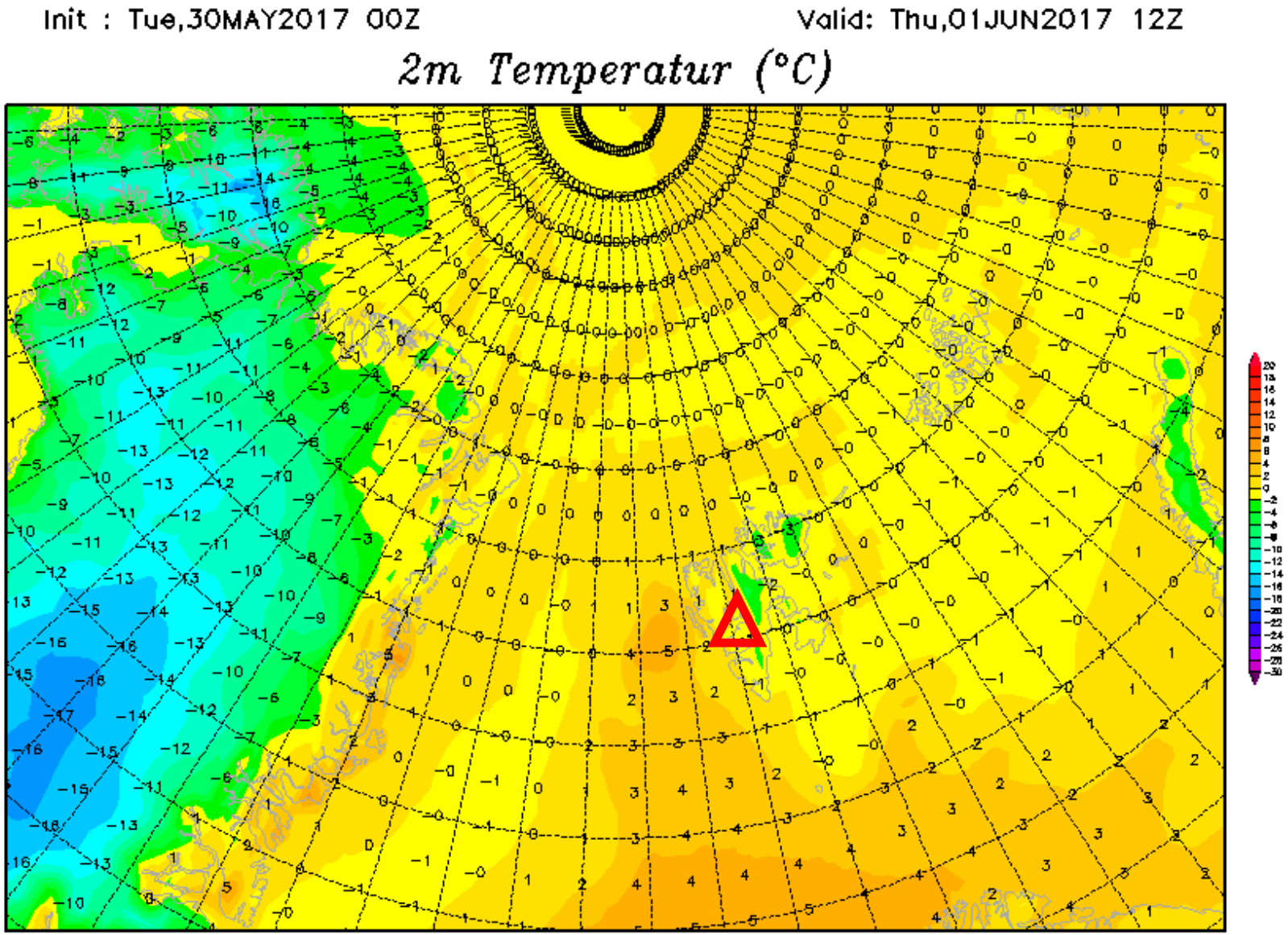
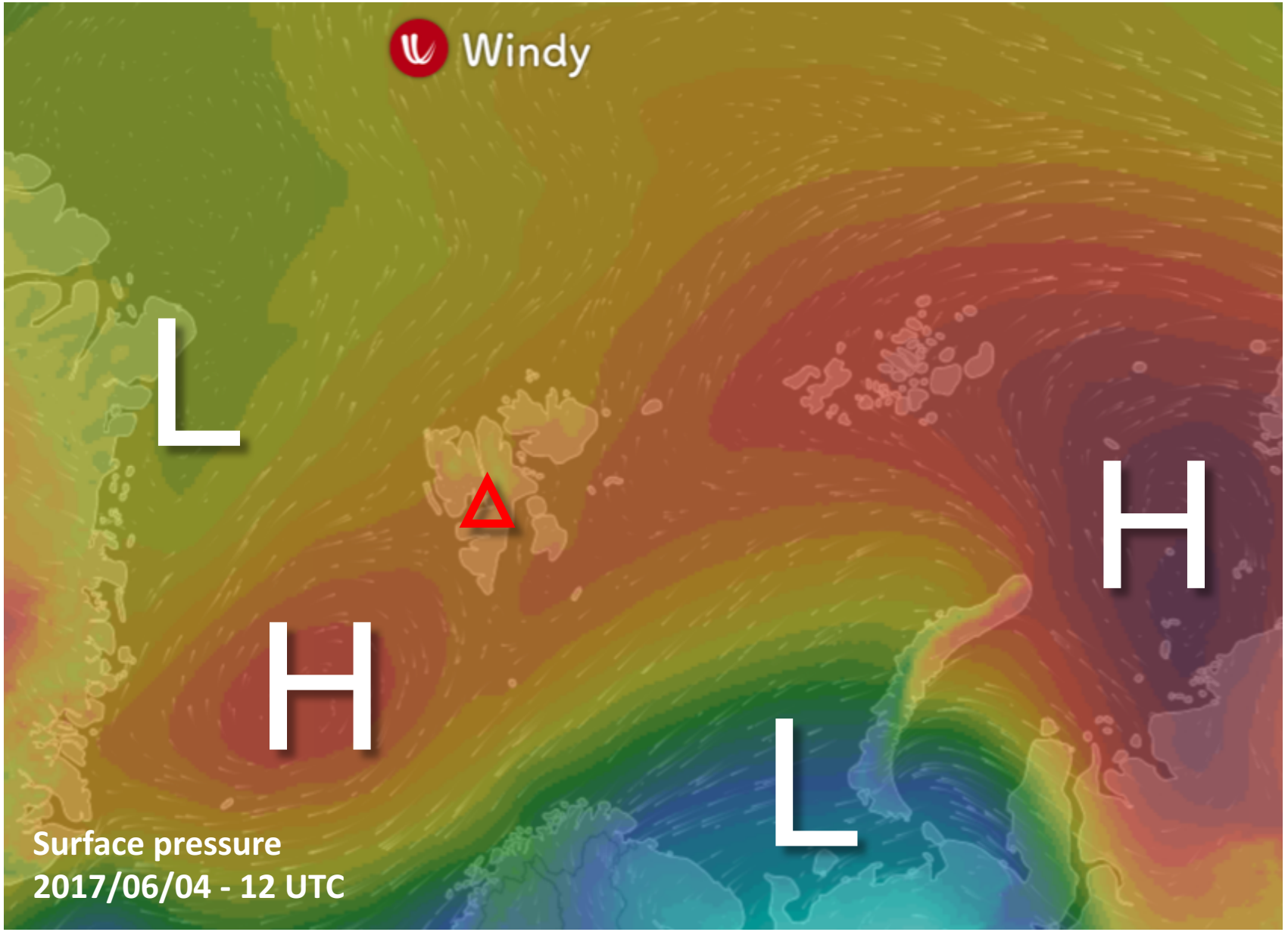


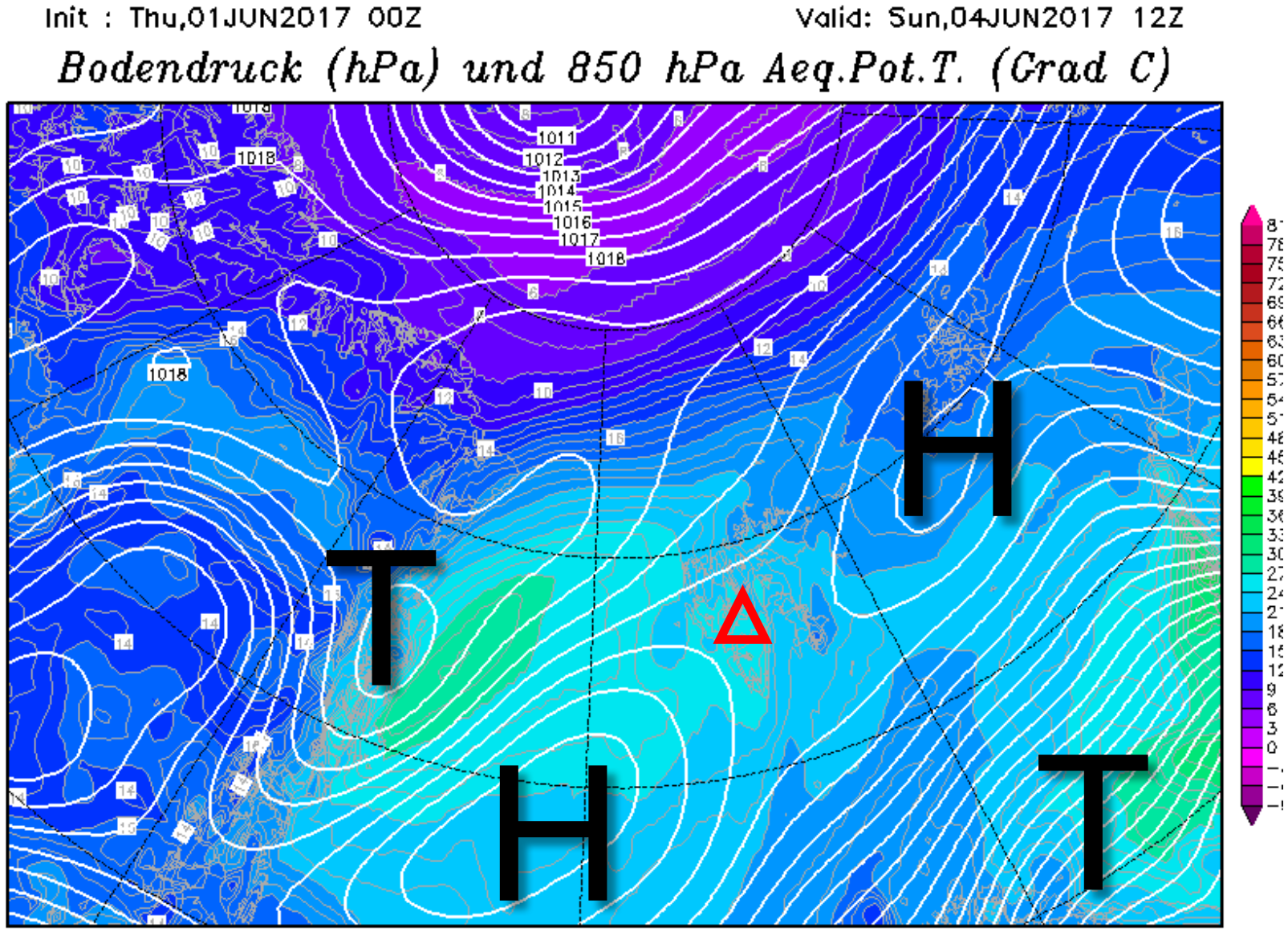
2-m temperature 3 June 2017 @ 12 UTC



General Situation Sun 4 June 2017

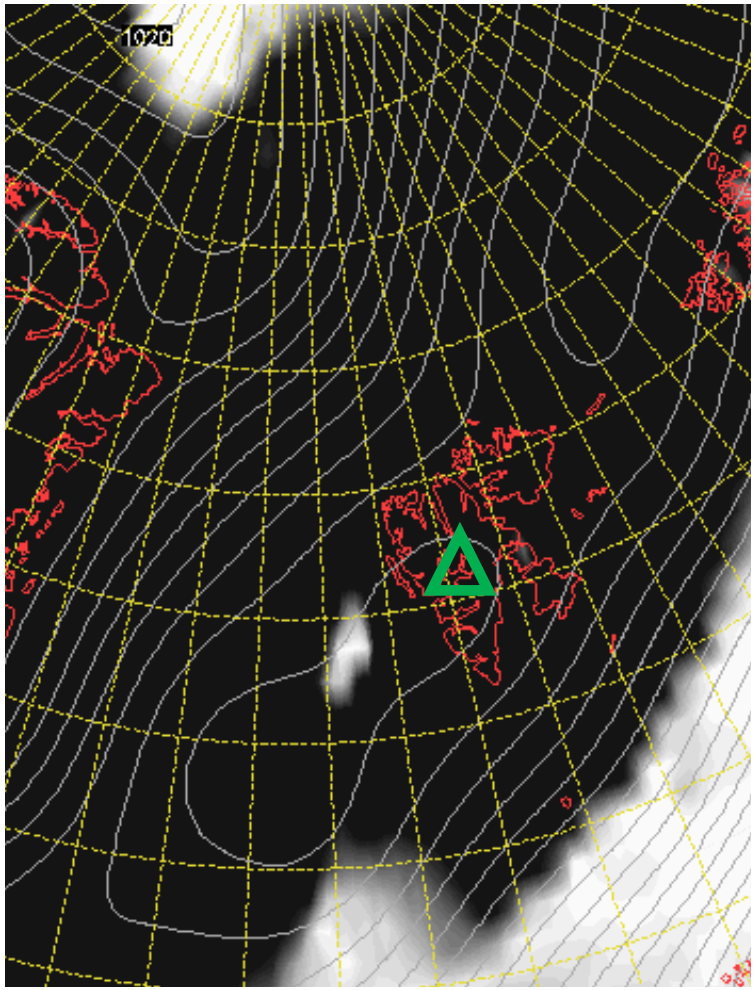


850-hPa Theta Equiv. 4 June 2017 @ 12 UTC



Cloud Cover 2 June 2017 @ 12 UTC

L



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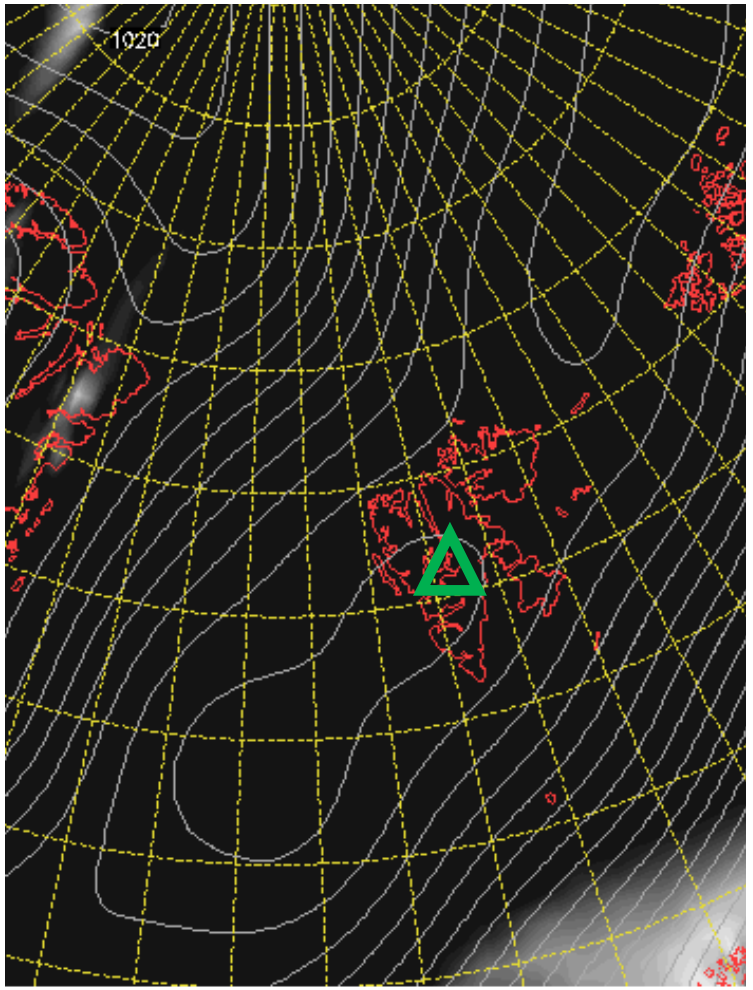

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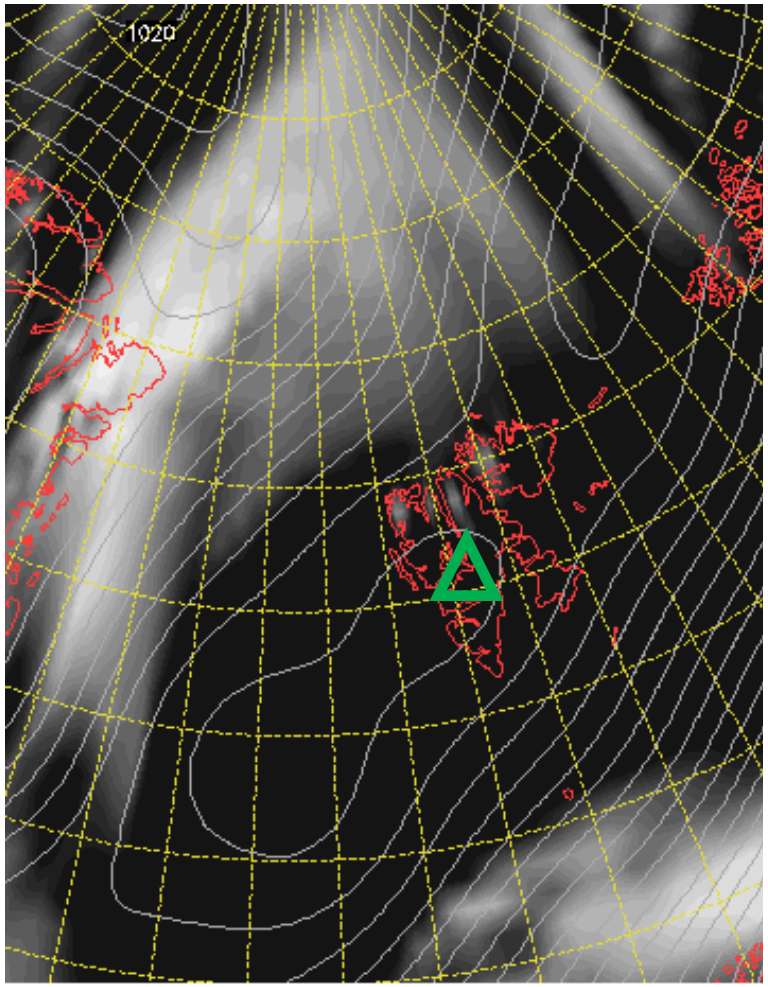
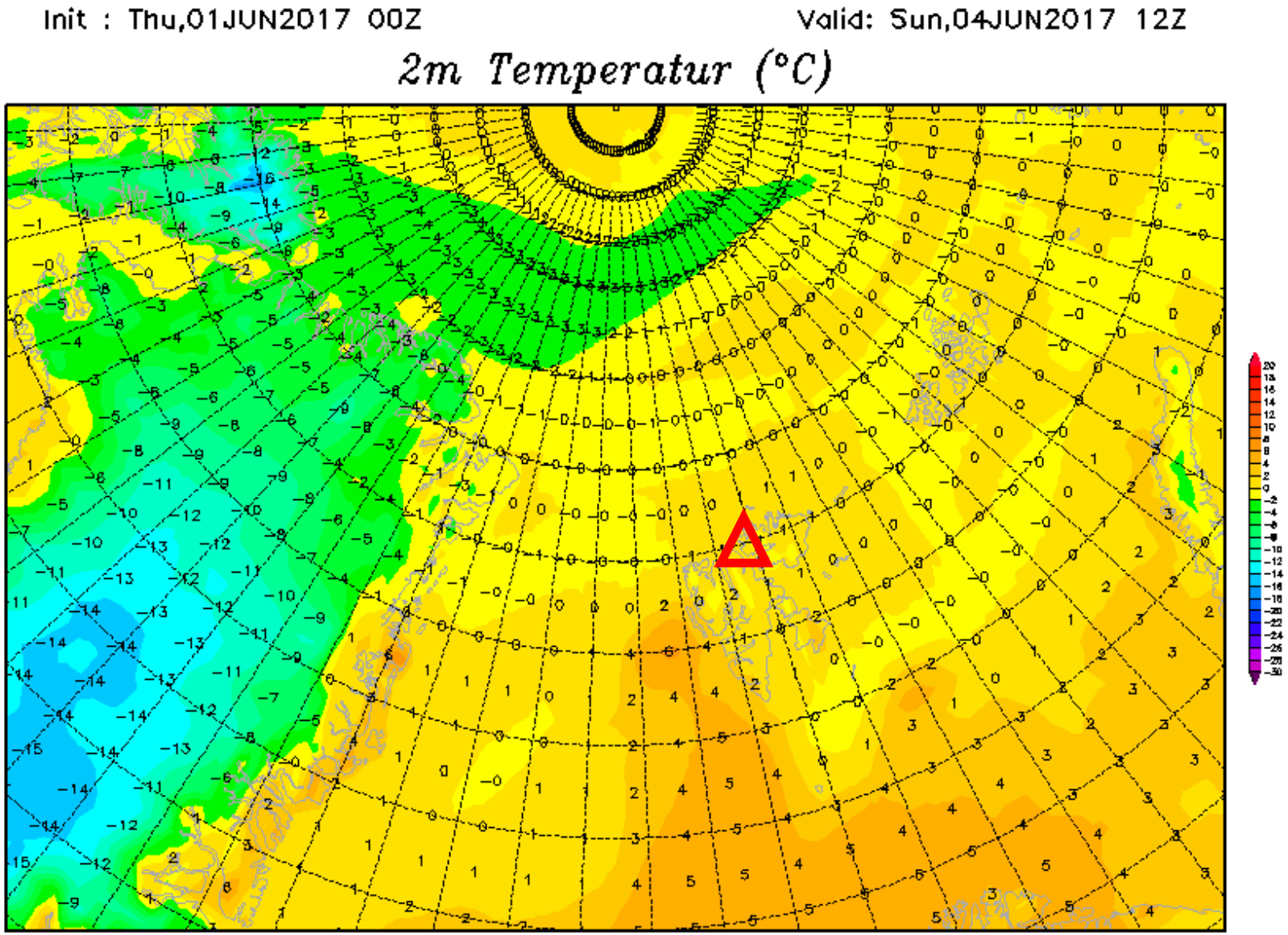
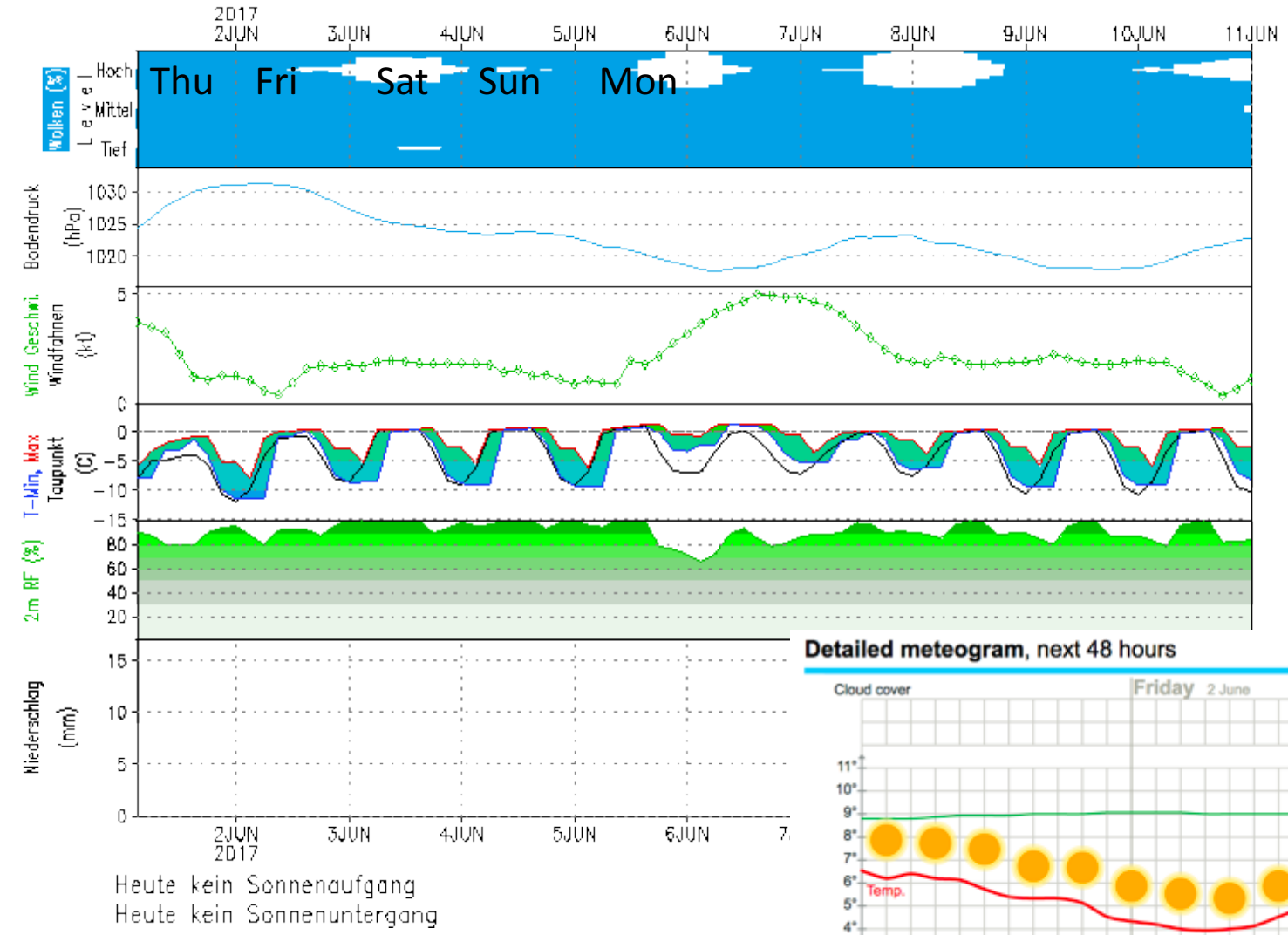


2-m temperature 4 June 2017 @ 12 UTC



Outlook – Meteogram



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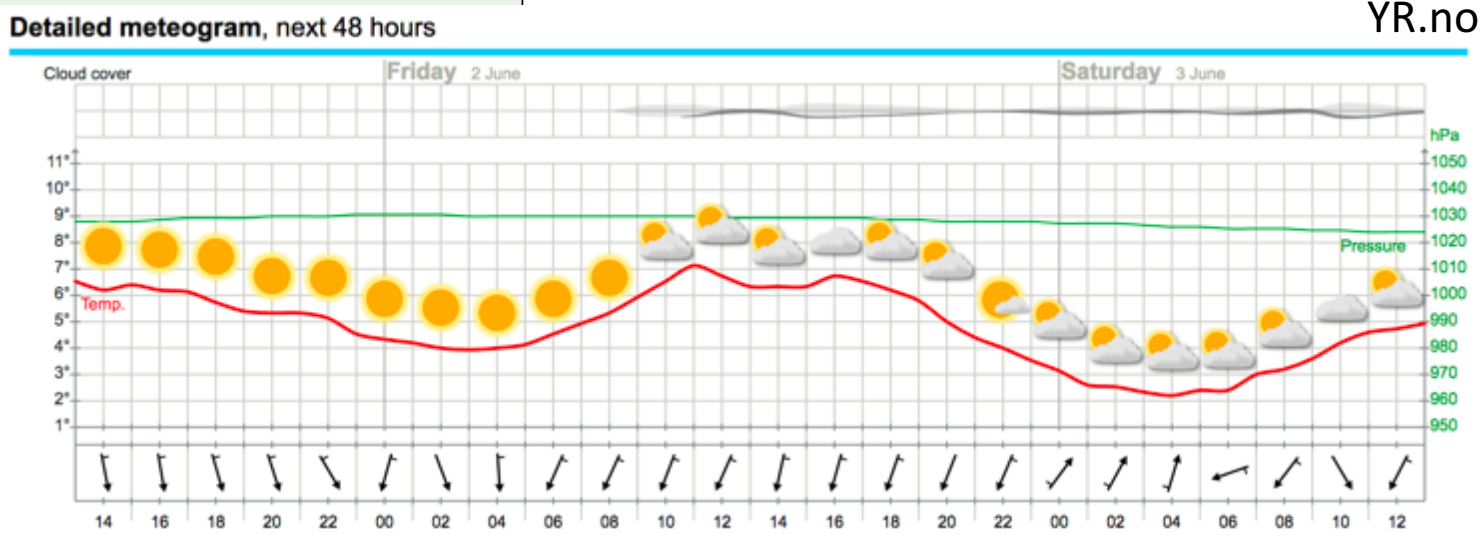
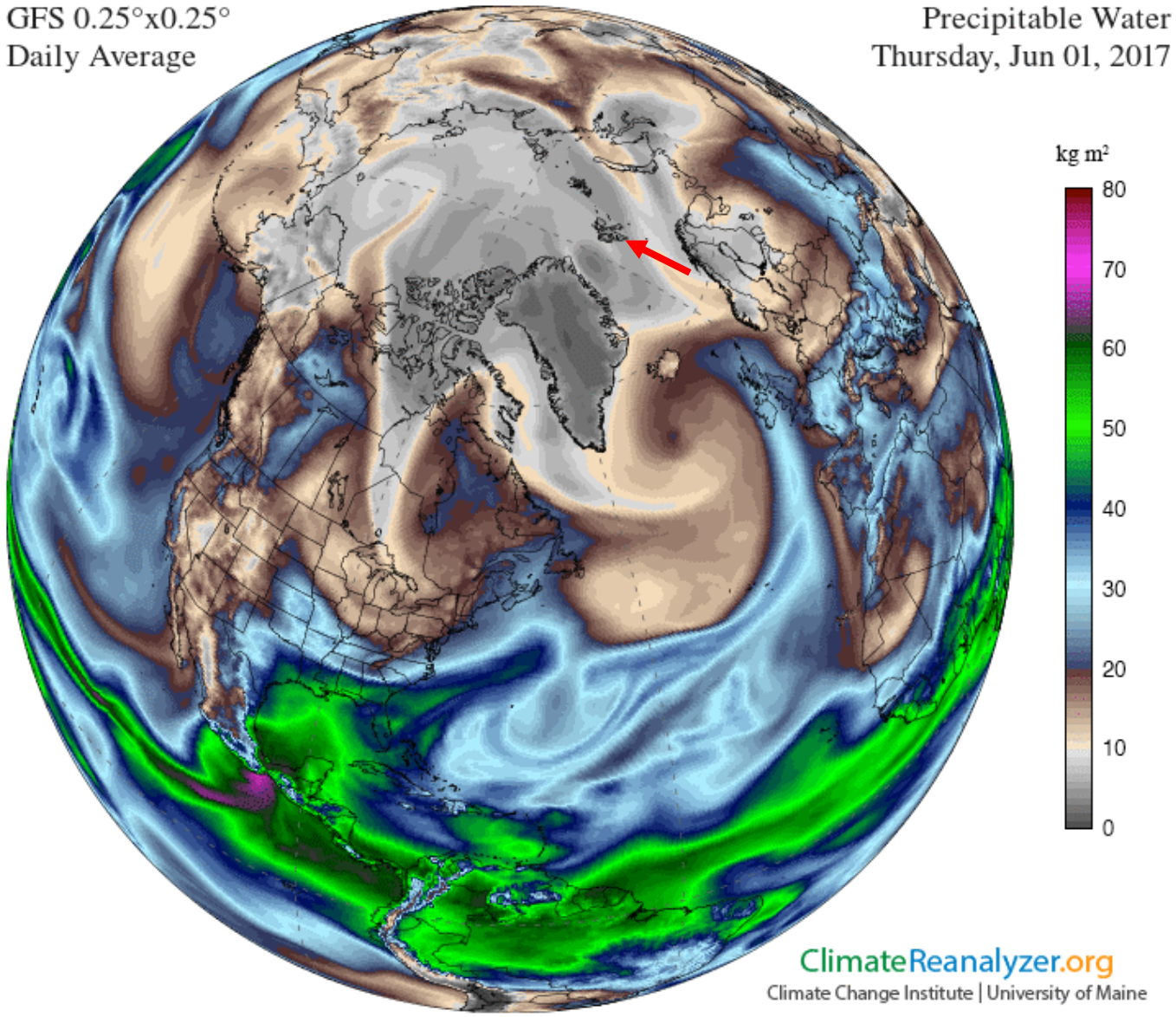
Precip. Water 01 June 2017