

# Weather briefing

ACLOUD Longyearbyen, Svalbard

Fri 02 June 2017 – **Sat 03 June** – Mon 5 June 2017

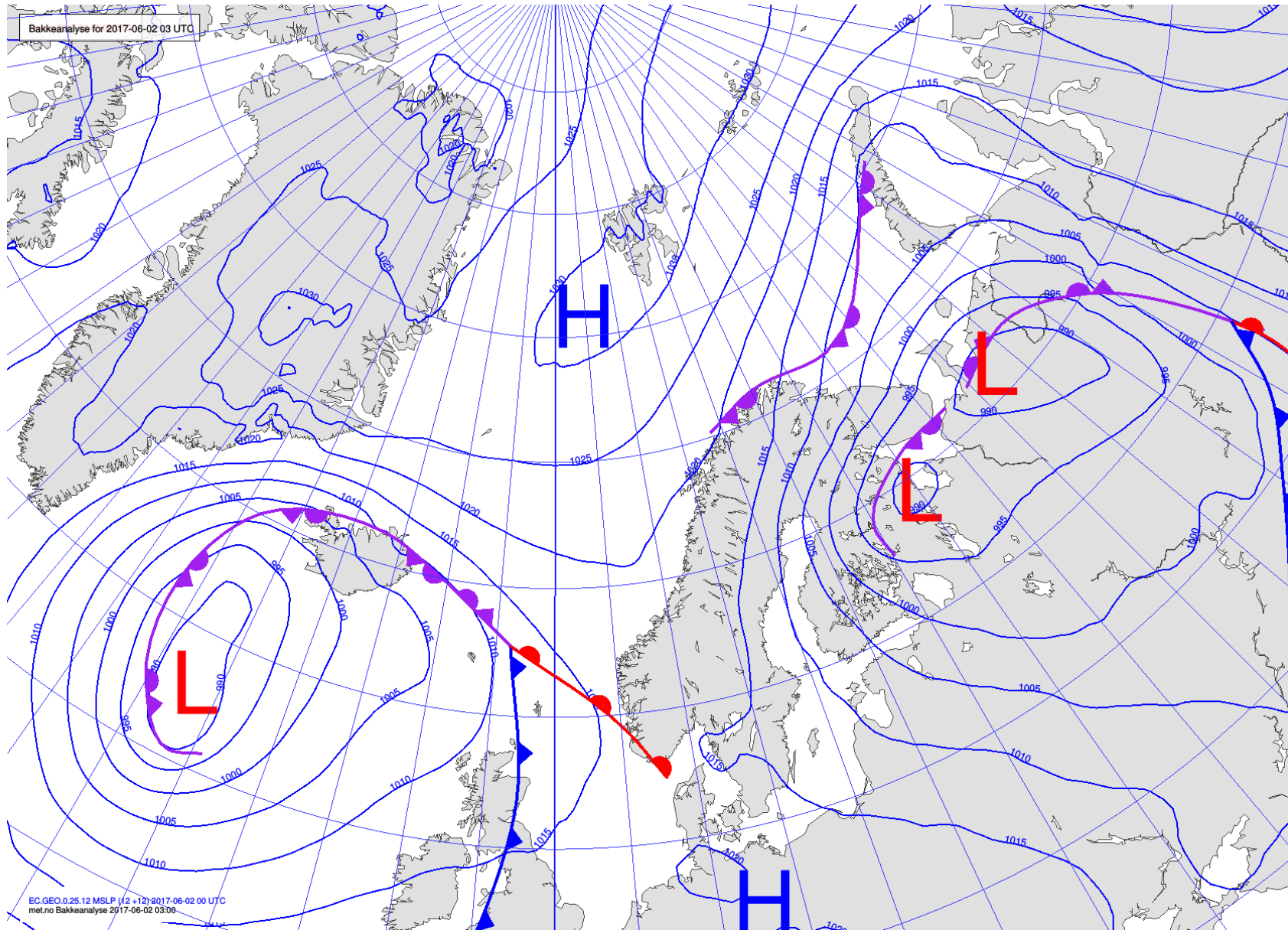
## Summary

High pressure south of Spitsbergen brings us air from the southwest. In this air low clouds form. Some cirrus clouds above.

Tomorrow the wind flow from the southwest will continue and turn towards west with time.

Position of Polarstern (8:20): 81°15' N 09°09' E

# Analysis 02 June 2017 @ 03 UTC

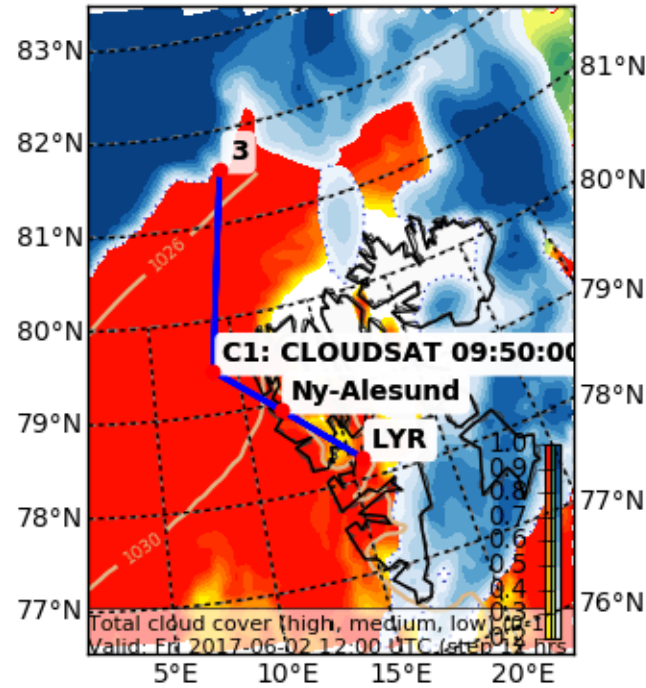


# Clouds

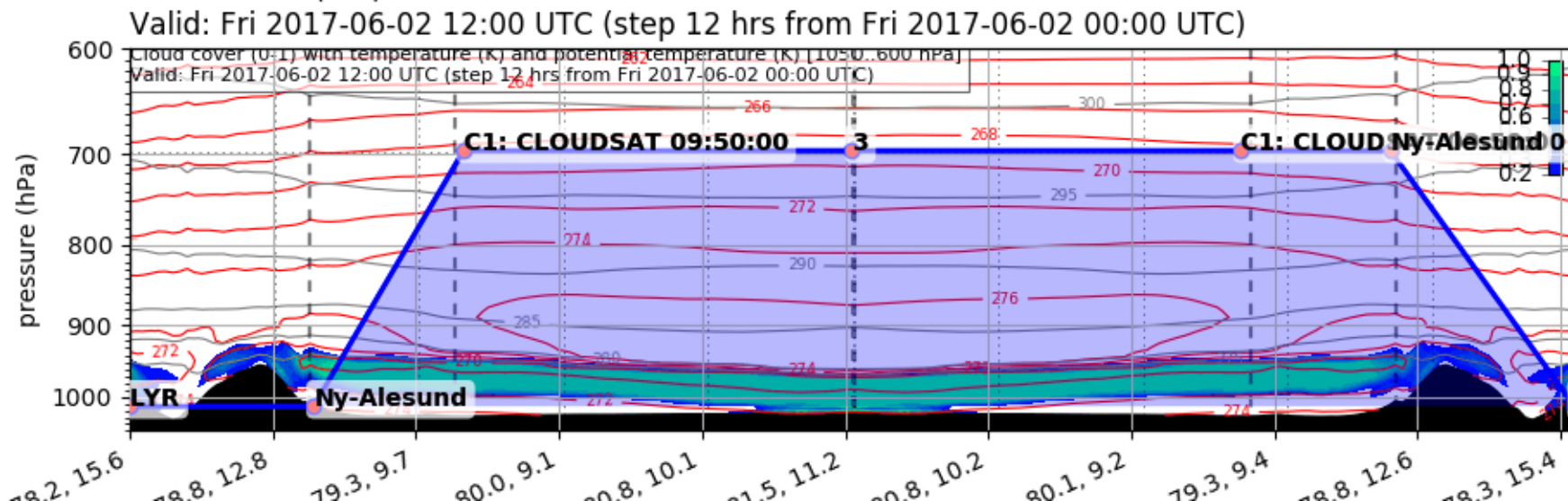
## Today 12 UTC

Cloud Cover (0-1) (Total Cloud Cover)

Valid: Fri 2017-06-02 12:00 UTC (step 12 hrs from Fri 2017-06-02 00:00 UT)

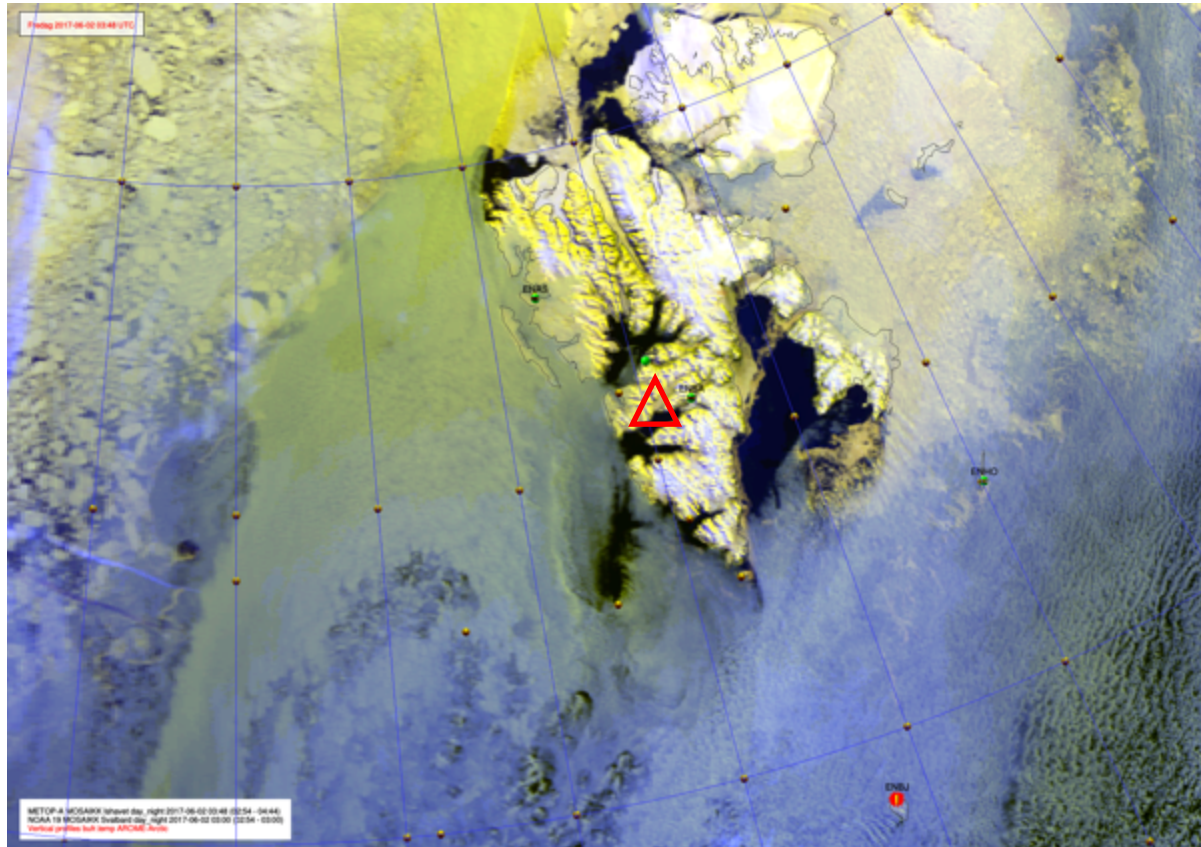


EPSG:77790000

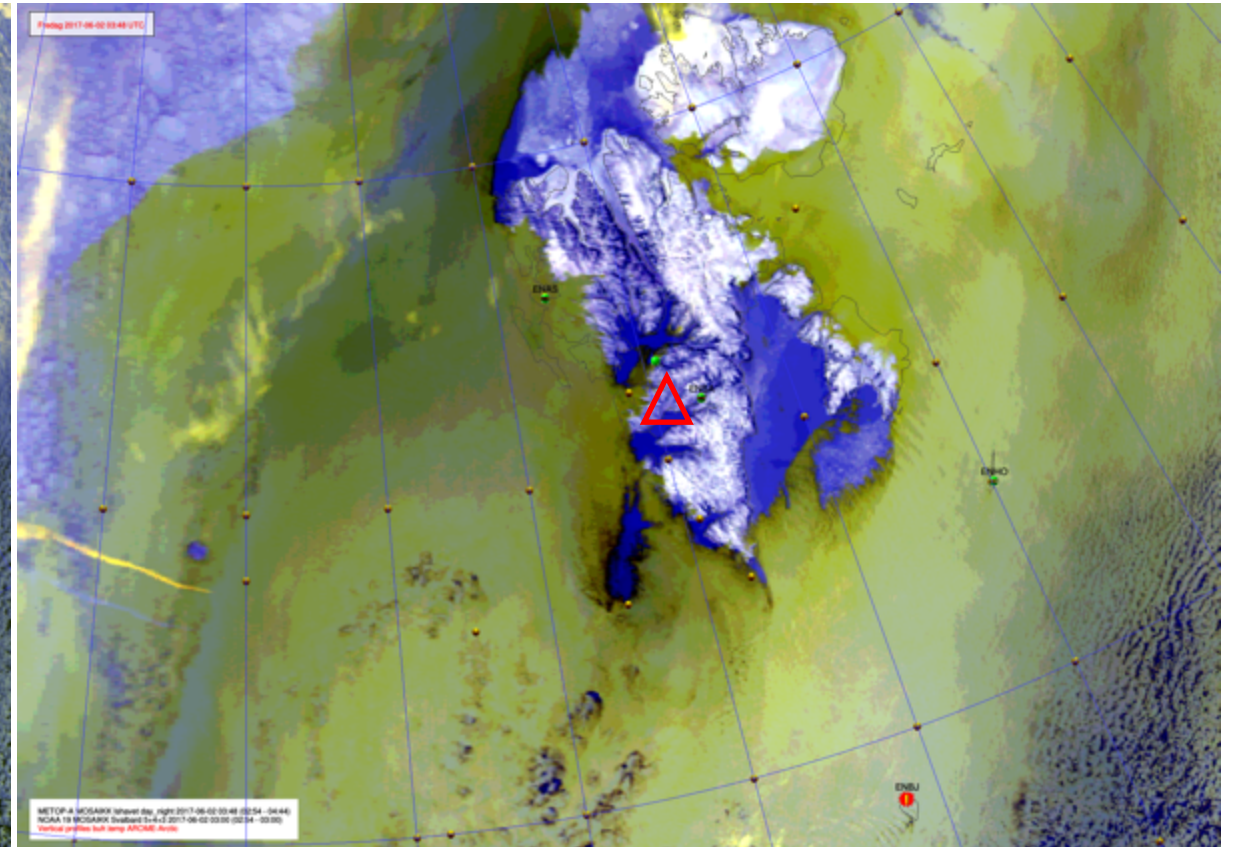




# NOAA-19 02 June 2017 @ 0359 UTC

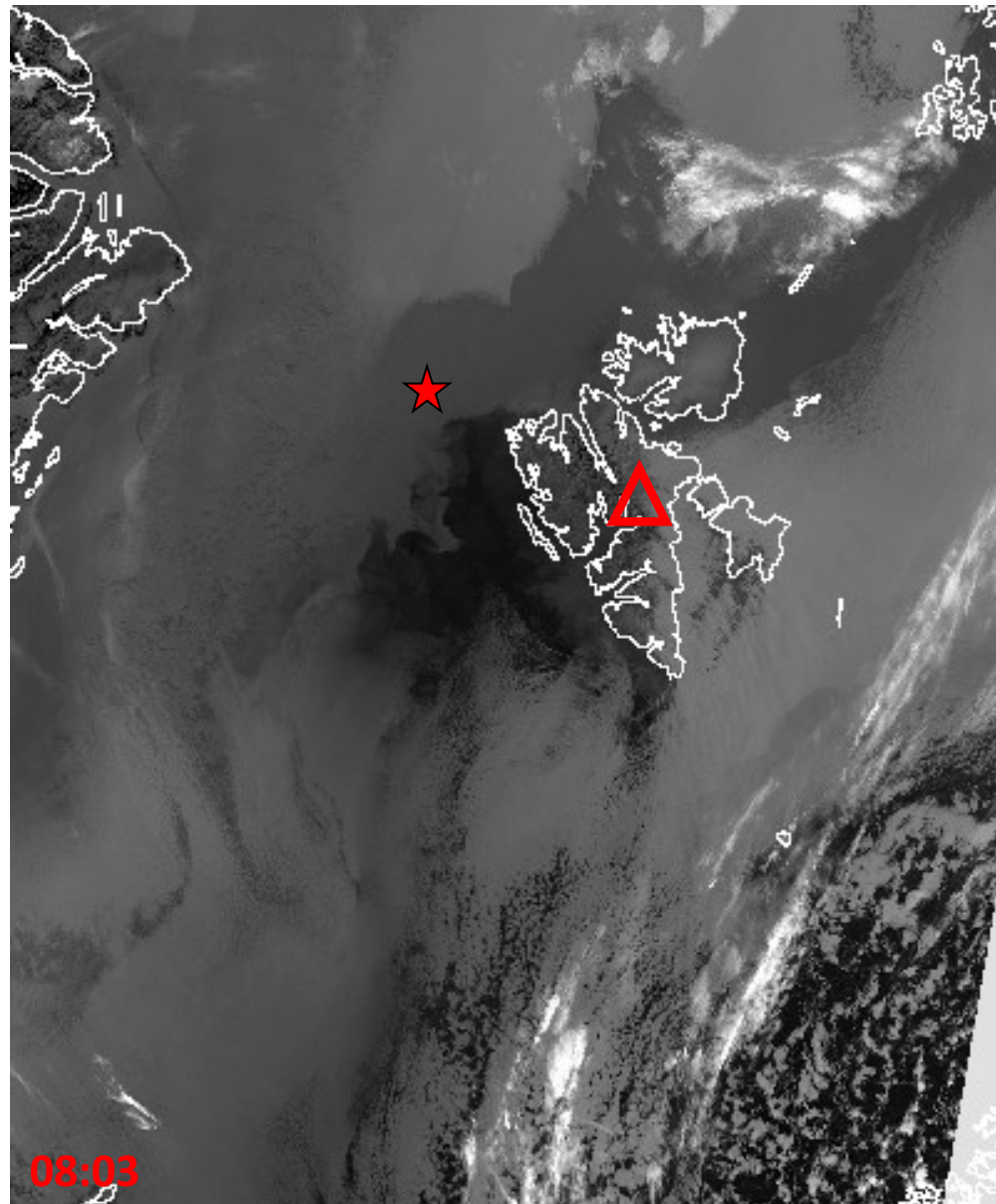


10.8  $\mu\text{m}$



IR, Ch 5+4+3

# NOAA-19 02 June 2017 @ 0803 UTC



★ RV Polarstern (81°N/9°E)

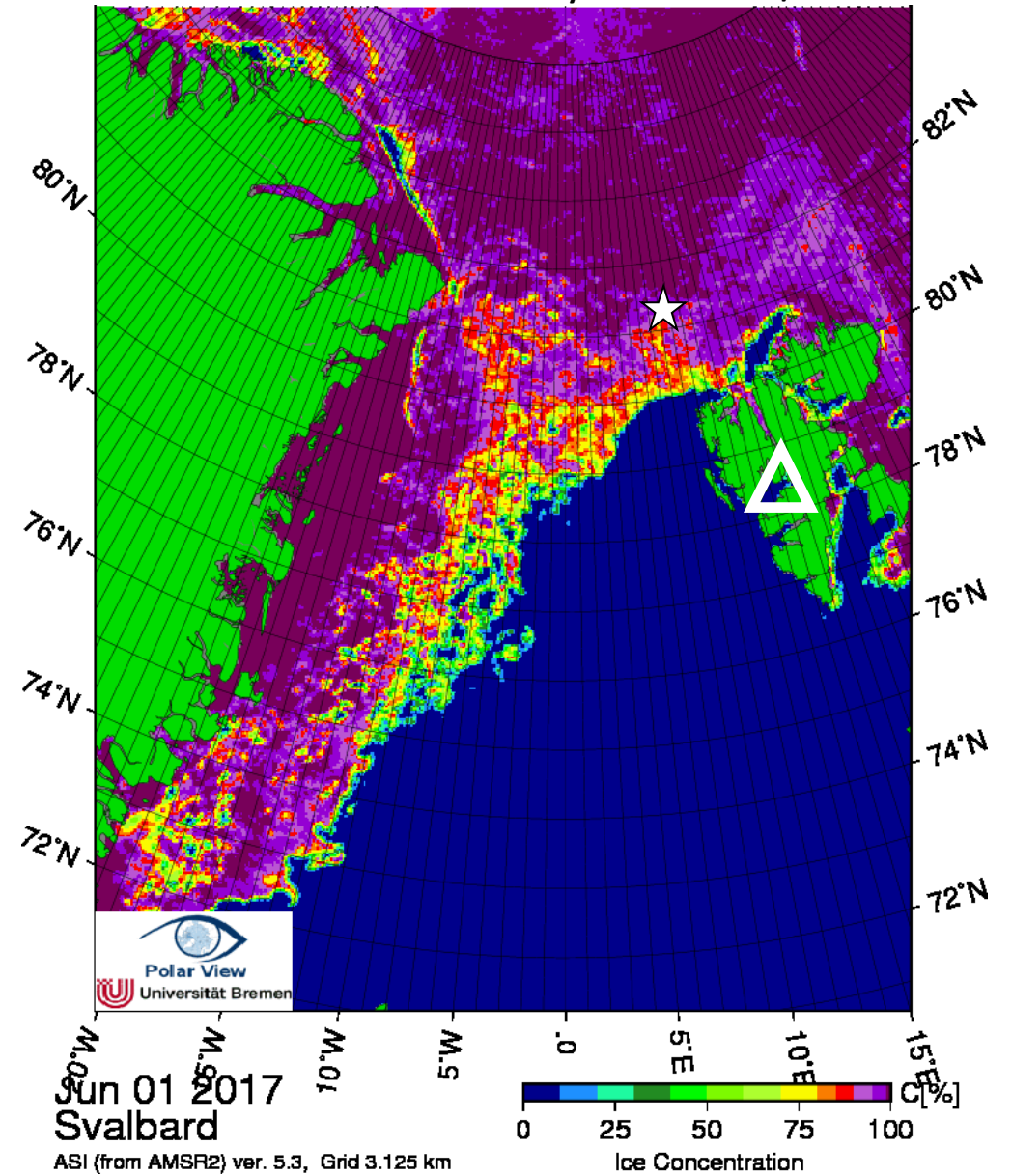
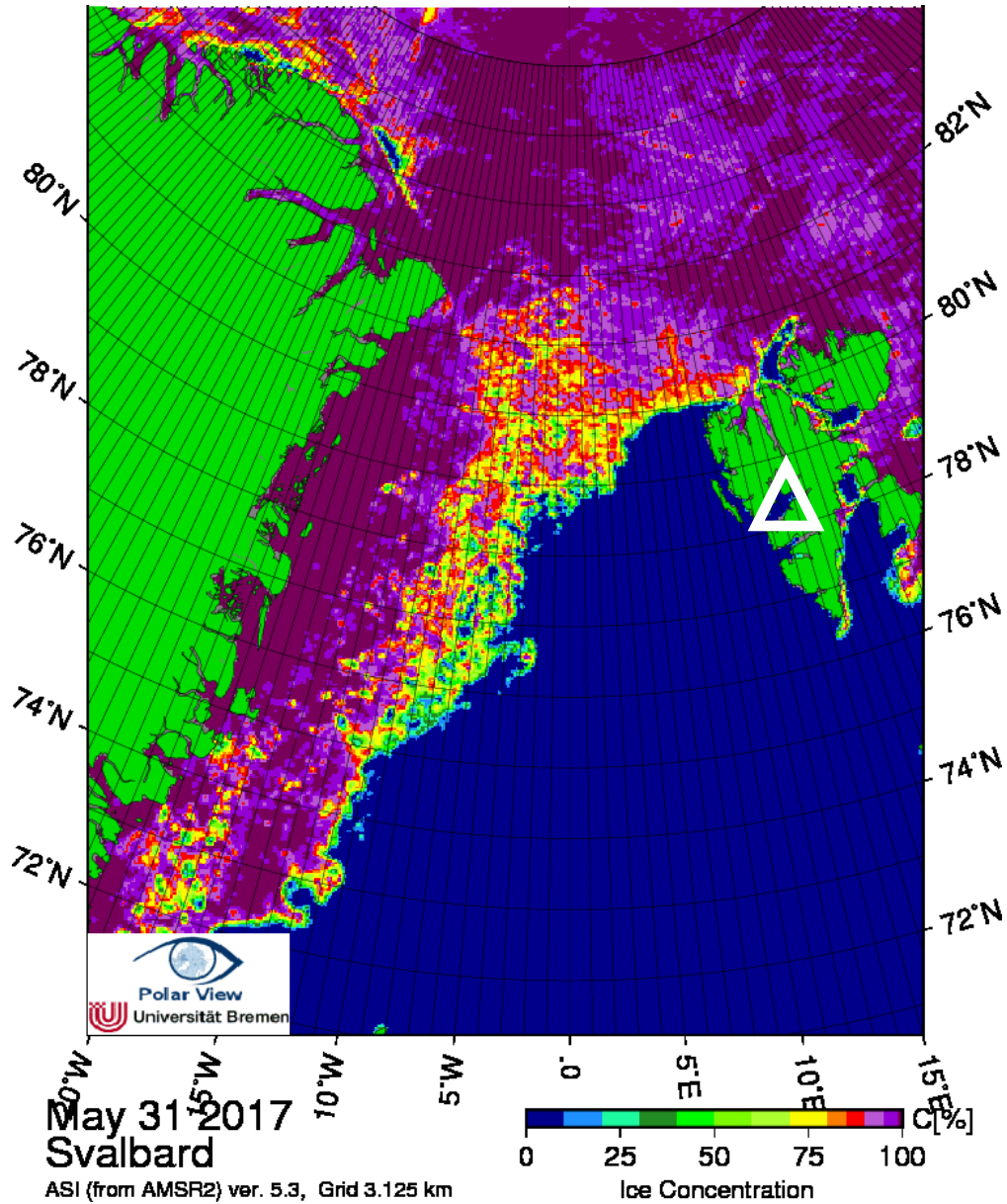
08:03

10.8 μm



# Arctic sea ice 31 May & 1 June 2017

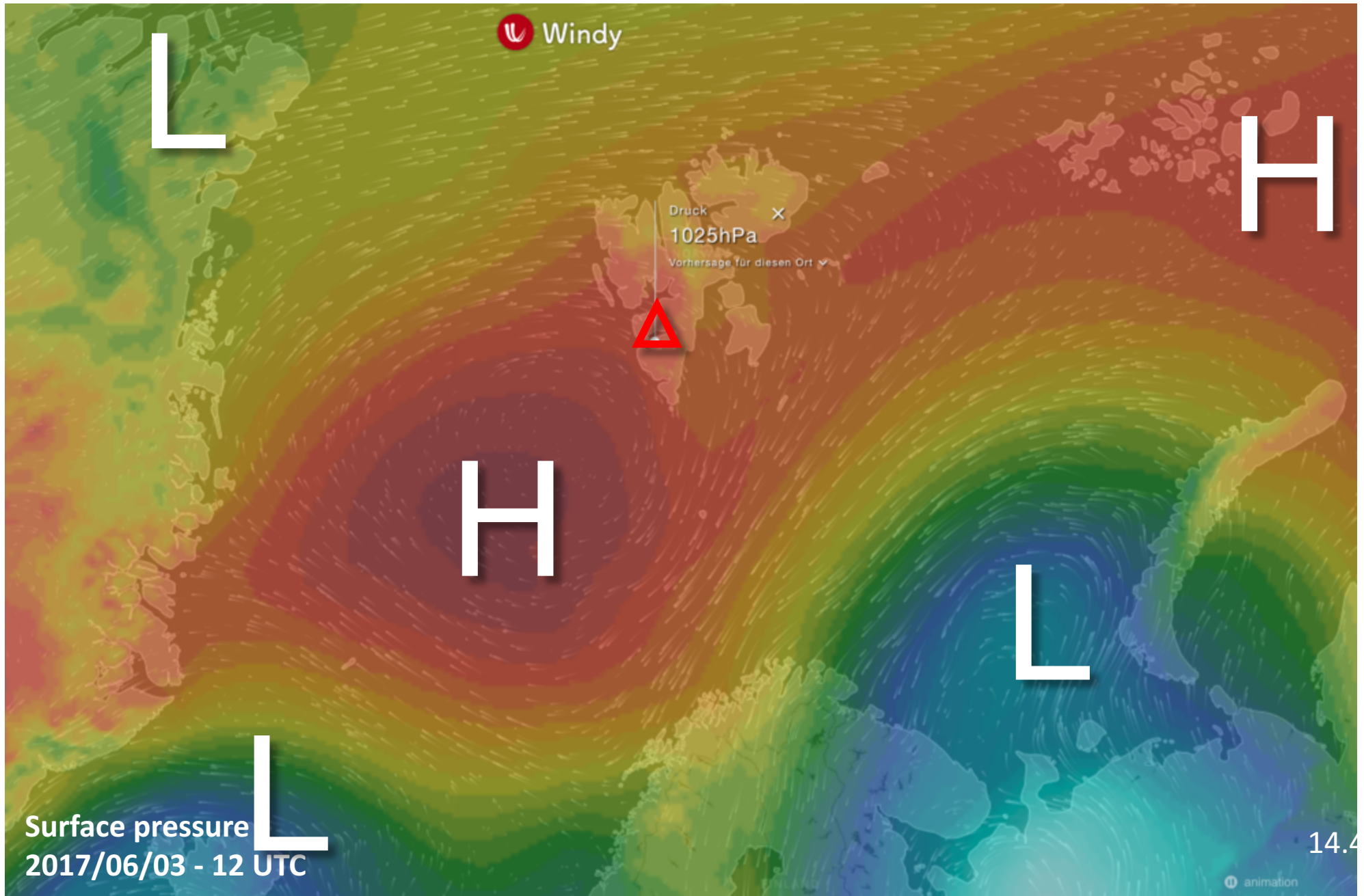
☆ RV Polarstern 31 May 81°15.5'N/9°08.5'E



# Flight Day

**Sat 03 June 2017**

# General Situation Sat 03 June 2017



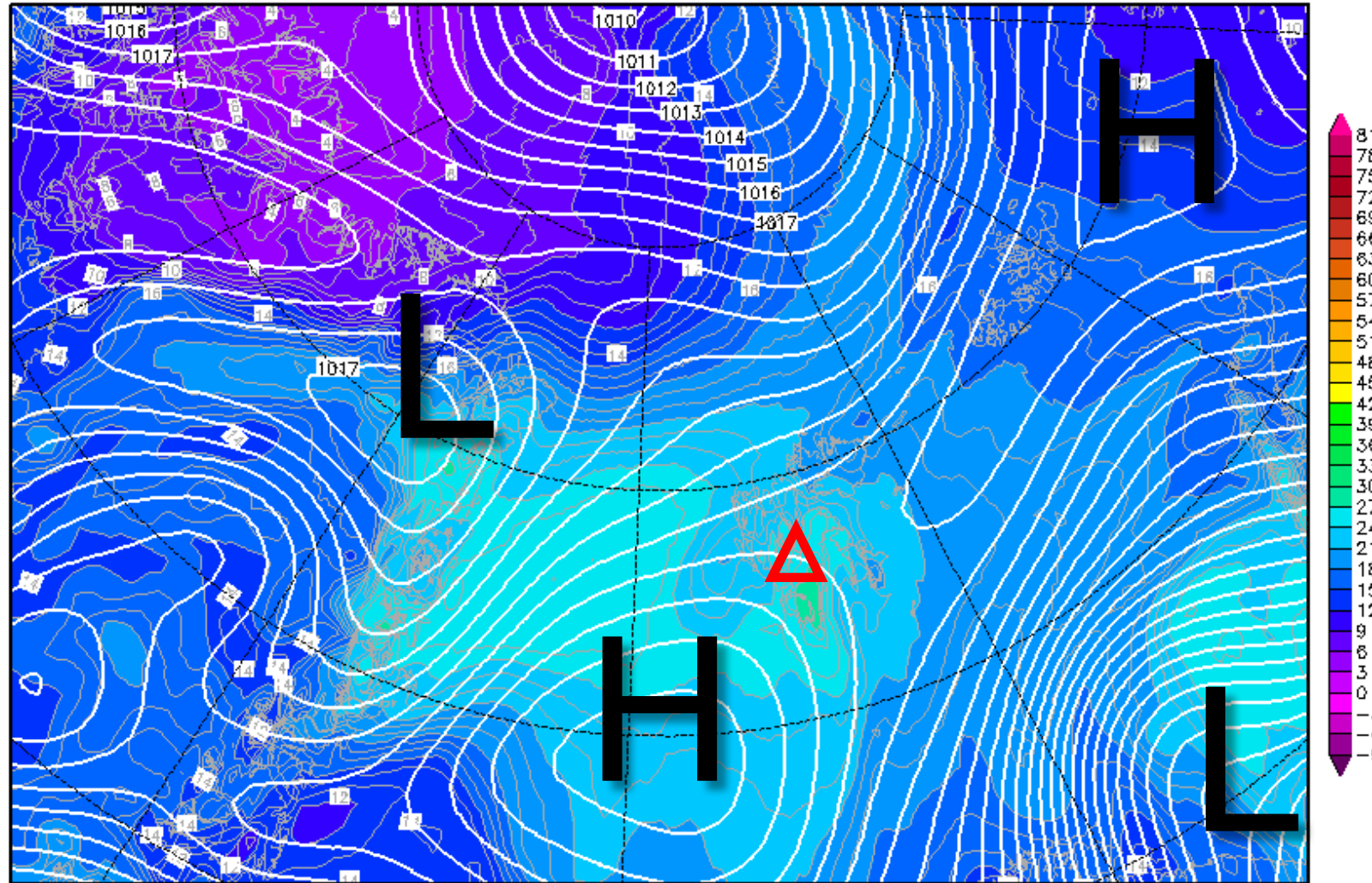


# 850-hPa Theta Equiv. 03 June 2017 @ 12 UTC

Init : Fri,02JUN2017 00Z

Valid: Sat,03JUN2017 12Z

*Bodendruck (hPa) und 850 hPa Aeq.Pot.T. (Grad C)*



Daten: GFS-Modell des amerikanischen Wetterdienstes

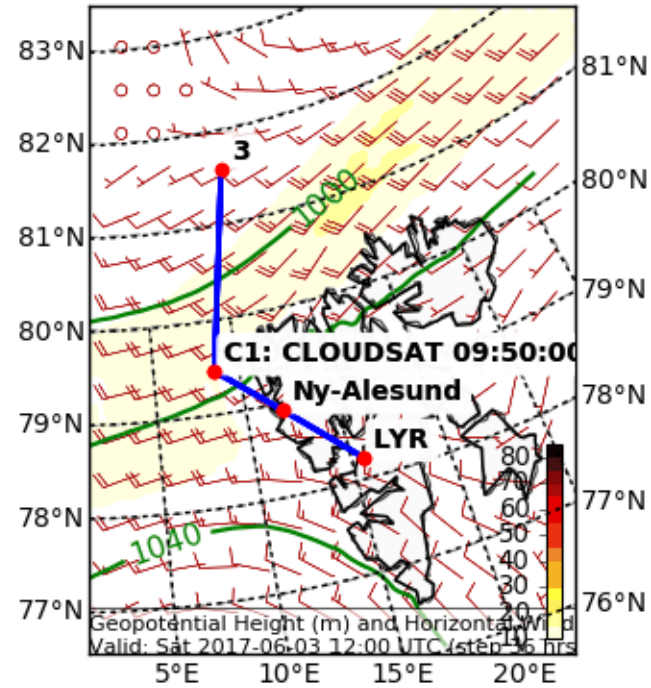
(C) Wetterzentrale

[www.wetterzentrale.de](http://www.wetterzentrale.de)

# Wind

## Tomorrow 12 UTC

Geopotential Height (m) and Horizontal Wind (m/s) (Wind Speed 10-85 m/s)  
Valid: Sat 2017-06-03 12:00 UTC (step 36 hrs from Fri 2017-06-02 00:00 UTC)



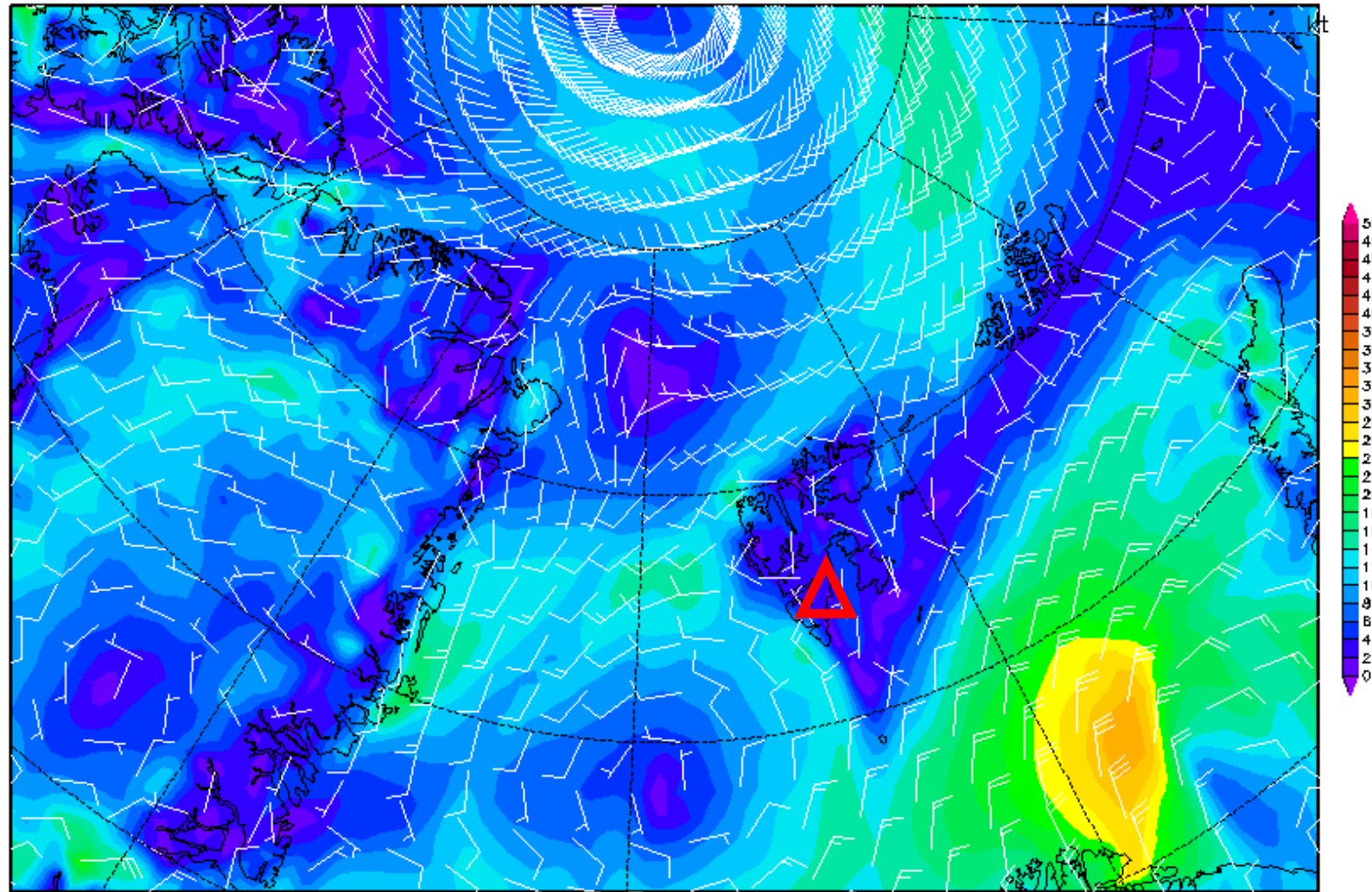
EPSG:77790000

# 10-m Wind 03 June 2017 @ 12 UTC

Init : Fri,02JUN2017 00Z

Valid: Sat,03JUN2017 12Z

*10m Wind (kt)*

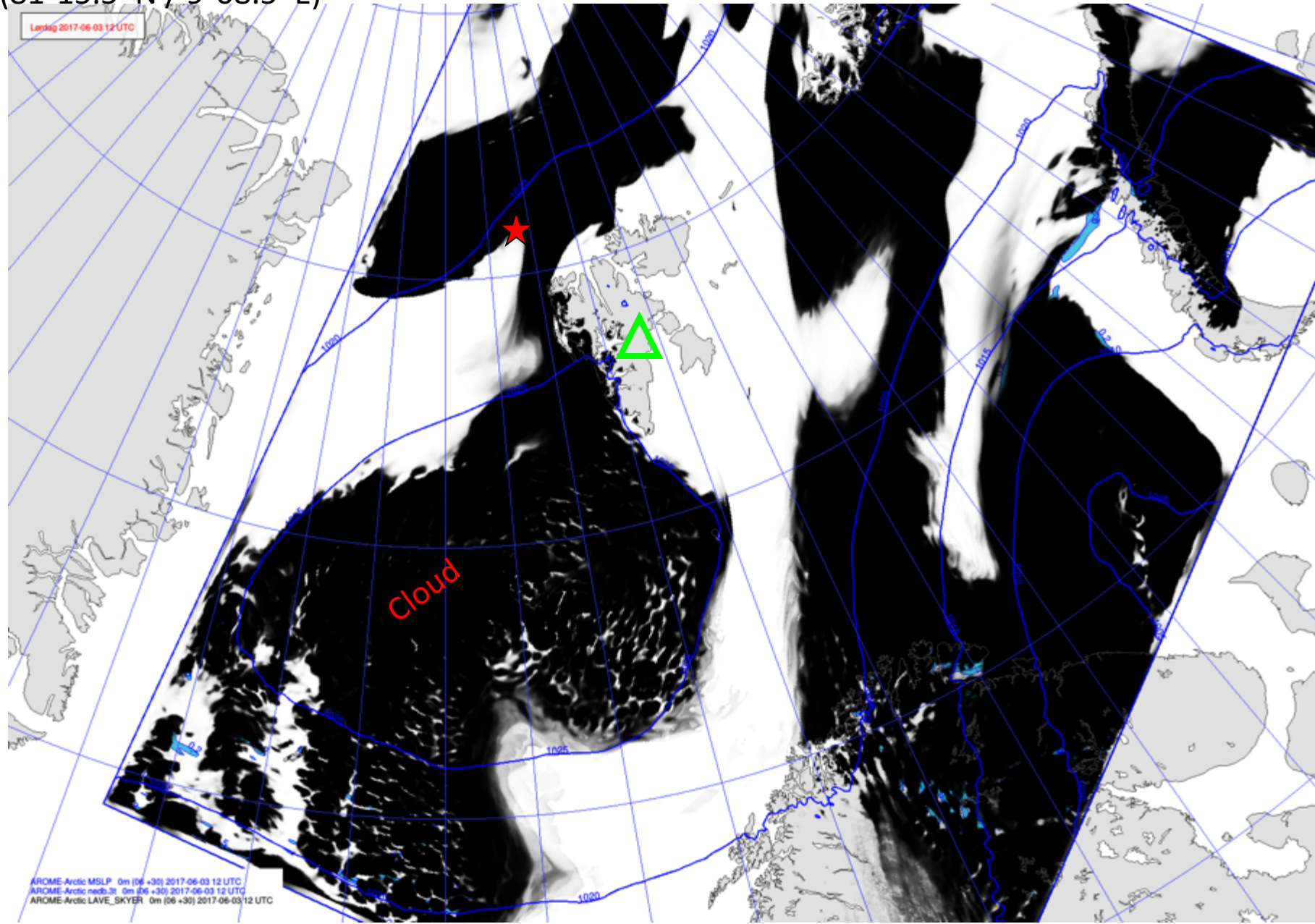


Daten: GFS-Modell des amerikanischen Wetterdienstes  
(C) Wetterzentrale  
[www.wetterzentrale.de](http://www.wetterzentrale.de)



# Low-level cloud cover 03 June 2017 @ 12 UTC

★ RV Polarstern (81°15.5' N / 9°08.5' E)



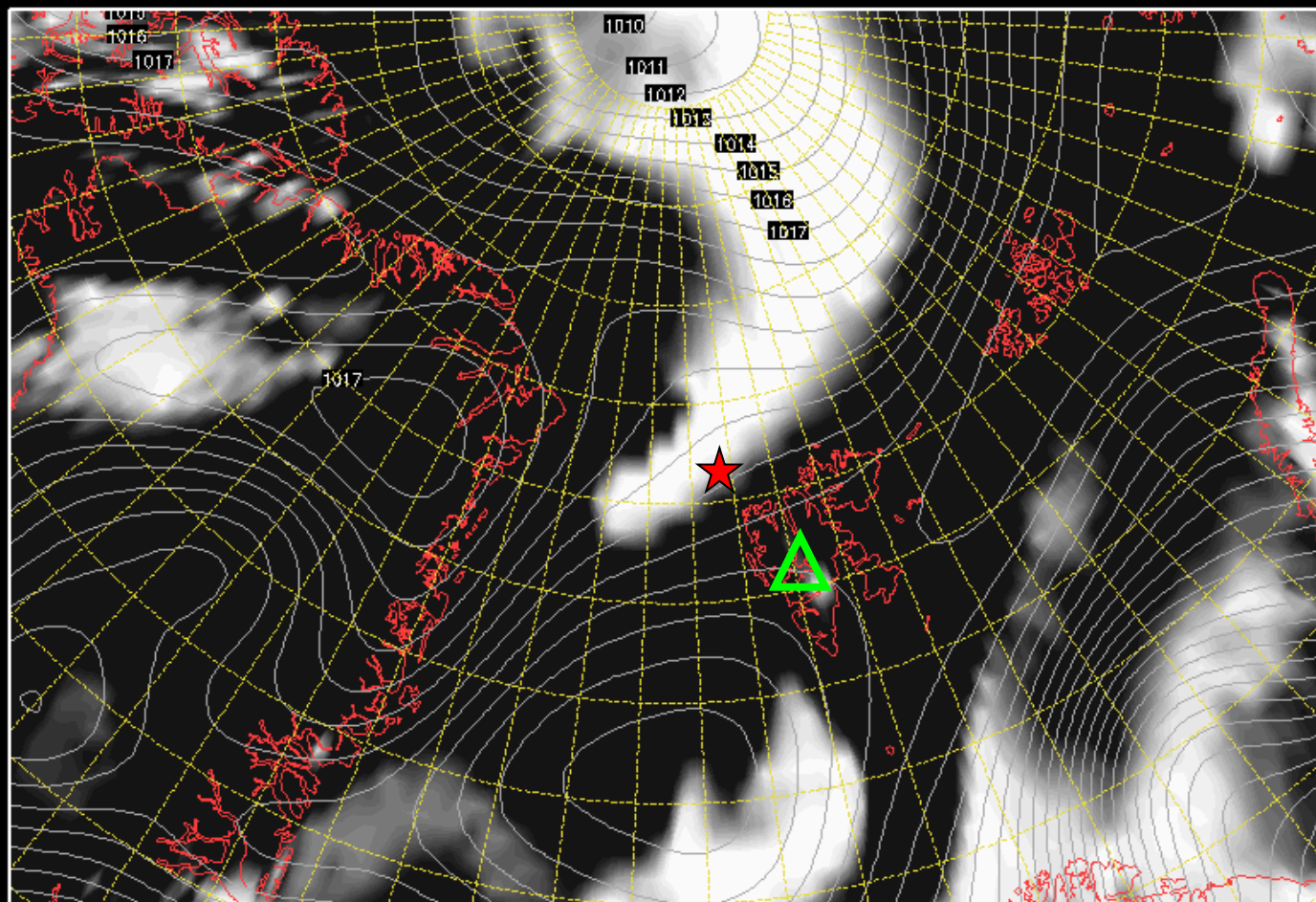
# Low-level cloud cover 03 June 2017 @ 12 UTC

★ RV Polarstern (81°15.5' N / 9°08.5' E)

Init : Fri,02JUN2017 00Z

Valid: Sat,03JUN2017 12Z

Bodendruck, Tiefe Wolken und Grenzschicht-Wolken in %



Daten: GFS-Modell des amerikanischen Wetterdienstes

(C) W. J.

www.wetterzentrale.de 28 32 36 40 44 48 52 56 60 64 68 72 76 80 84 88 92 96 100

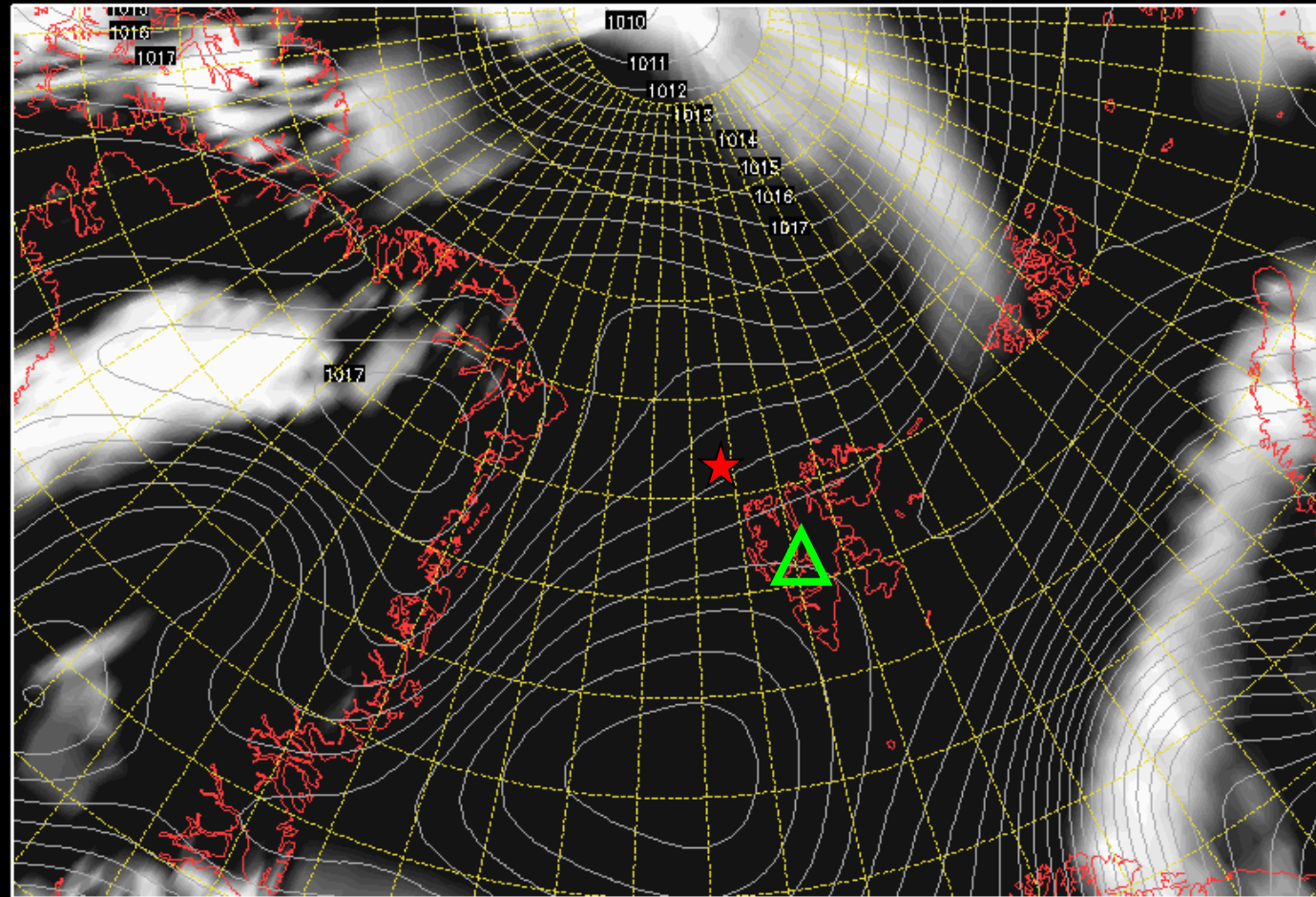
# Mid-level cloud cover 03 June 2017 @ 12 UTC

★ RV Polarstern (81°15.5' N / 9°08.5' E)

Init : Fri,02JUN2017 00Z

Valid: Sat,03JUN2017 12Z

Bodendruck, Mittelhohe Wolken in %



Daten: GFS-Modell des amerikanischen Wetterdienstes

(C) W. J.

www.wetterzentrale.de 28 32 36 40 44 48 52 56 60 64 68 72 76 80 84 88 92 96 100



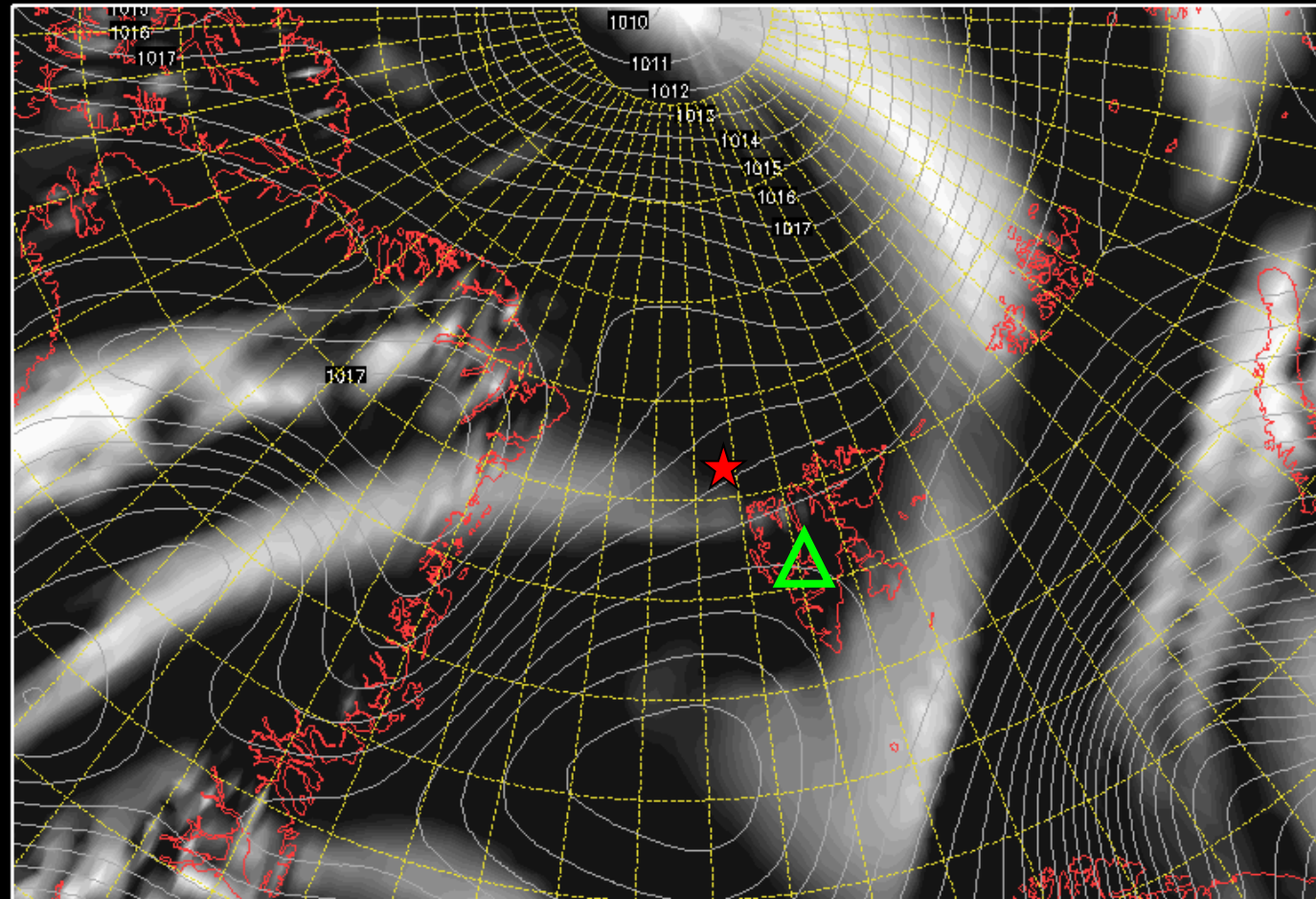
# High-level cloud cover 03 June 2017 @ 12 UTC

★ RV Polarstern (81°15.5' N / 9°08.5' E)

Init : Fri,02JUN2017 00Z

Valid: Sat,03JUN2017 12Z

Bodendruck, Hohe Wolken in %



Daten: GFS-Modell des amerikanischen Wetterdienstes

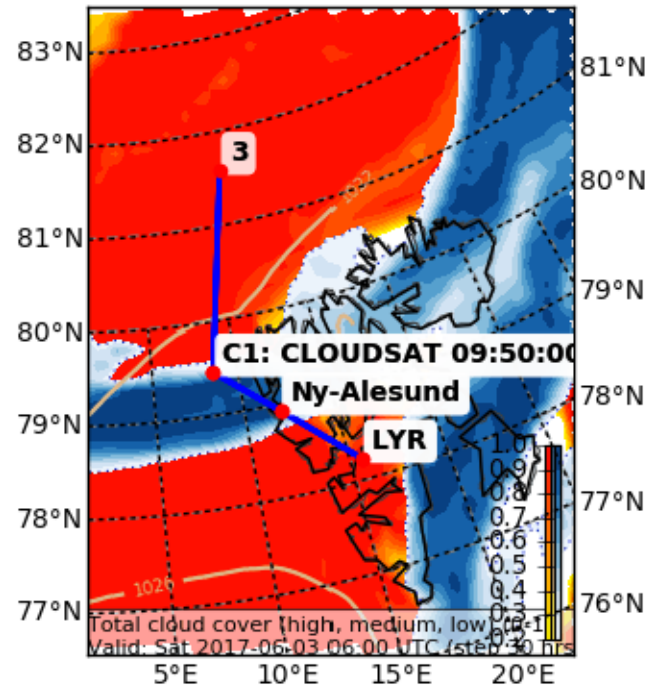
(C) W. J.

www.wetterzentrale.de 28 32 36 40 44 48 52 56 60 64 68 72 76 80 84 88 92 96 100

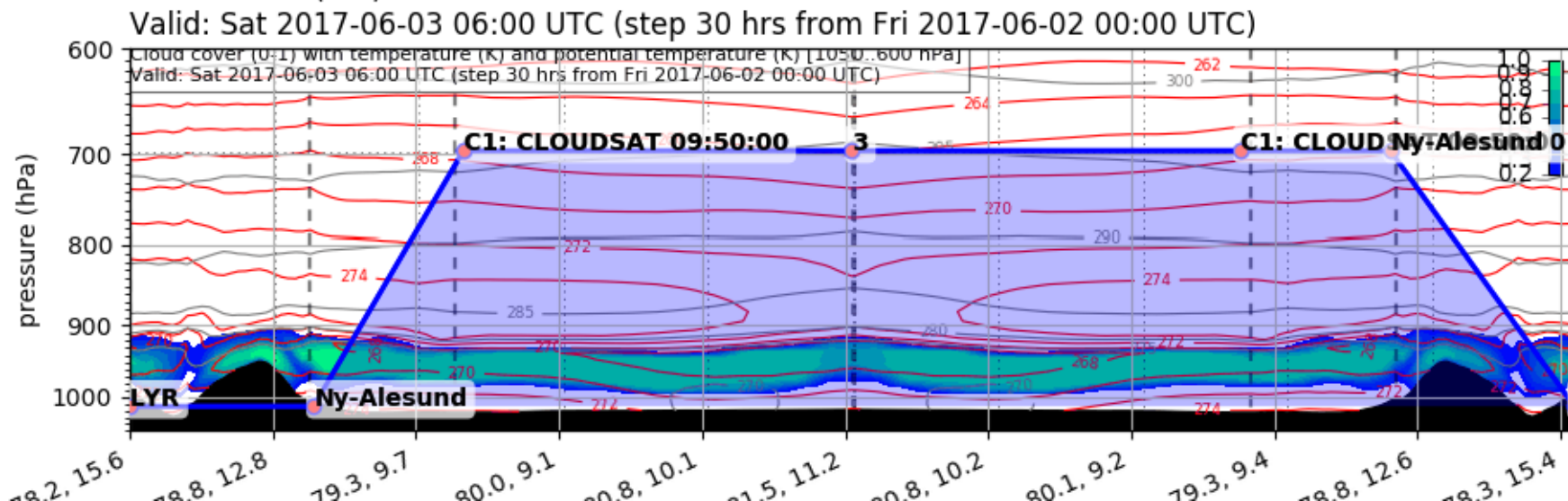
# Forecast Tomorrow 06 UTC

Cloud Cover (0-1) (Total Cloud Cover)

Valid: Sat 2017-06-03 06:00 UTC (step 30 hrs from Fri 2017-06-02 00:00 U



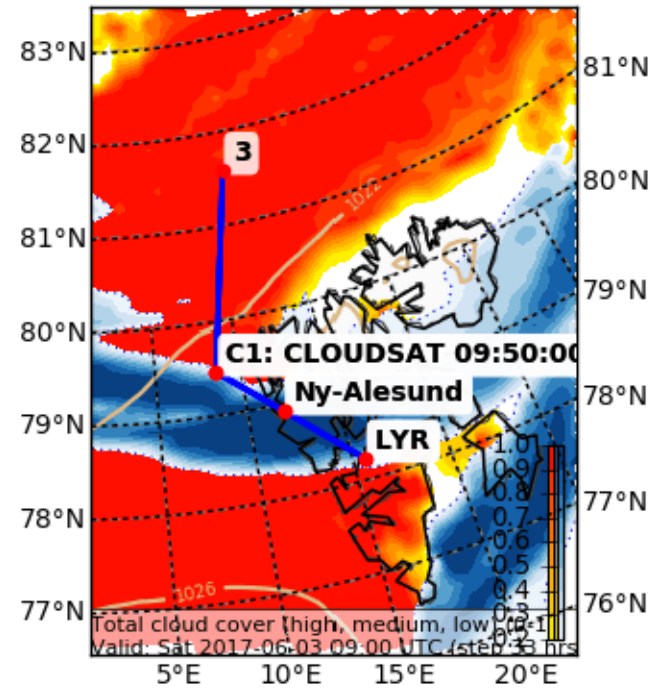
EPSG:77790000



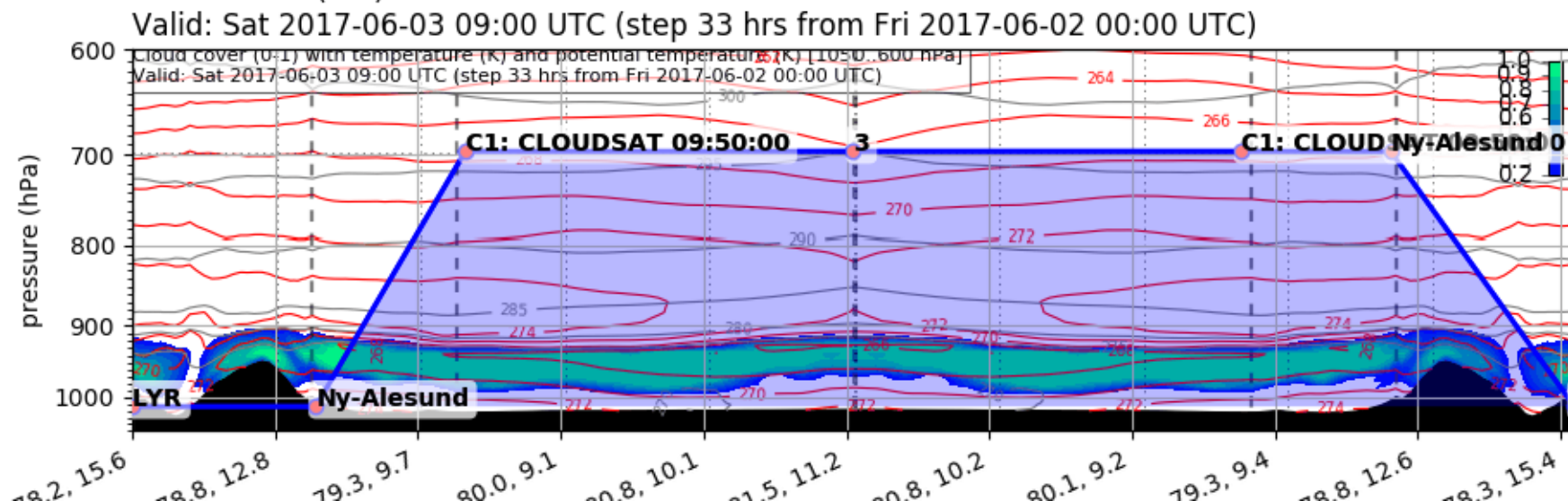
# Forecast Tomorrow 09 UTC

Cloud Cover (0-1) (Total Cloud Cover)

Valid: Sat 2017-06-03 09:00 UTC (step 33 hrs from Fri 2017-06-02 00:00 UTC)



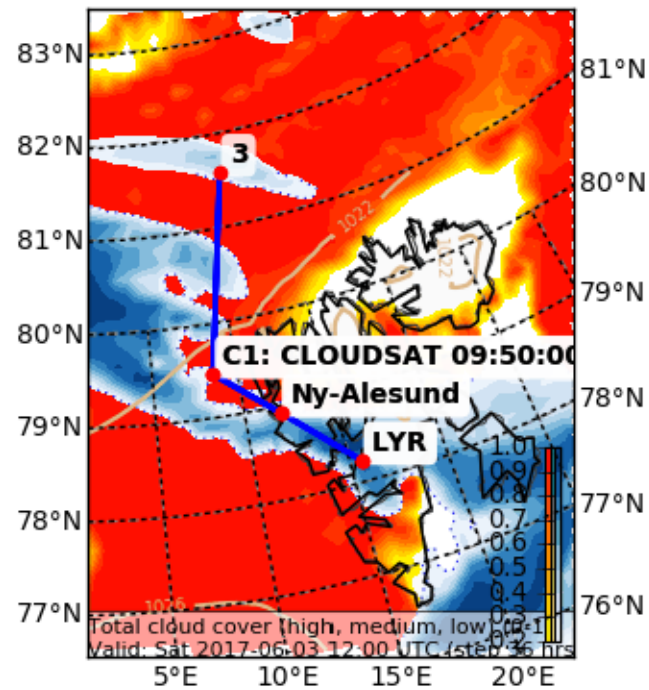
EPSG:77790000



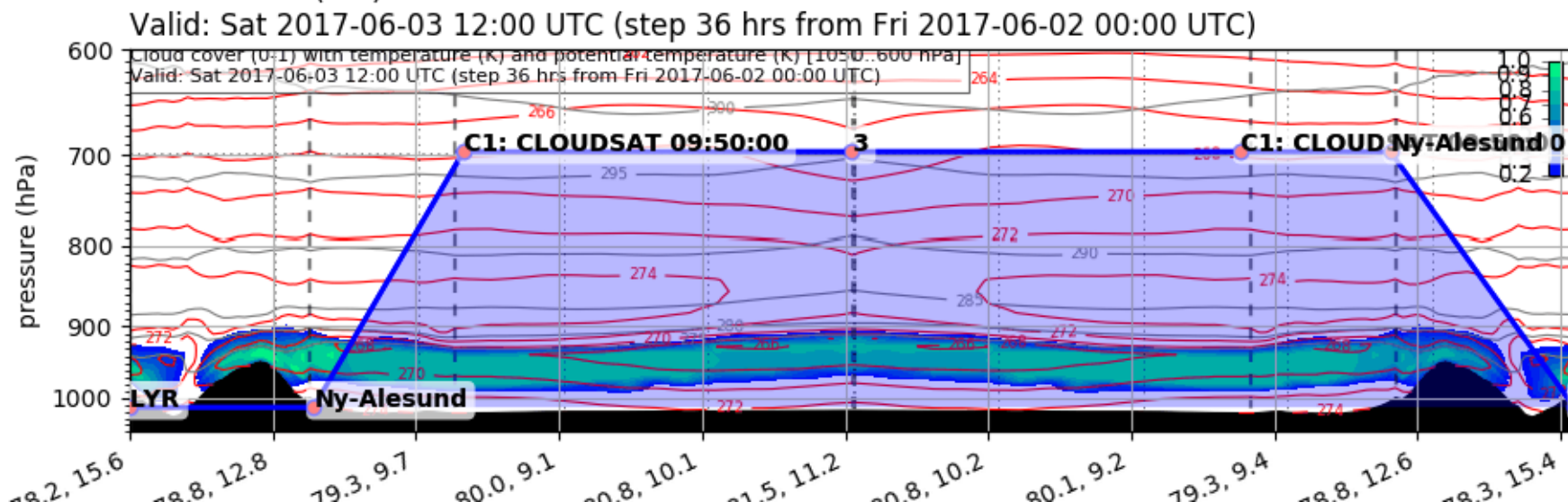
# Forecast Tomorrow 12 UTC

Cloud Cover (0-1) (Total Cloud Cover)

Valid: Sat 2017-06-03 12:00 UTC (step 36 hrs from Fri 2017-06-02 00:00 UTC)



EPSG:77790000

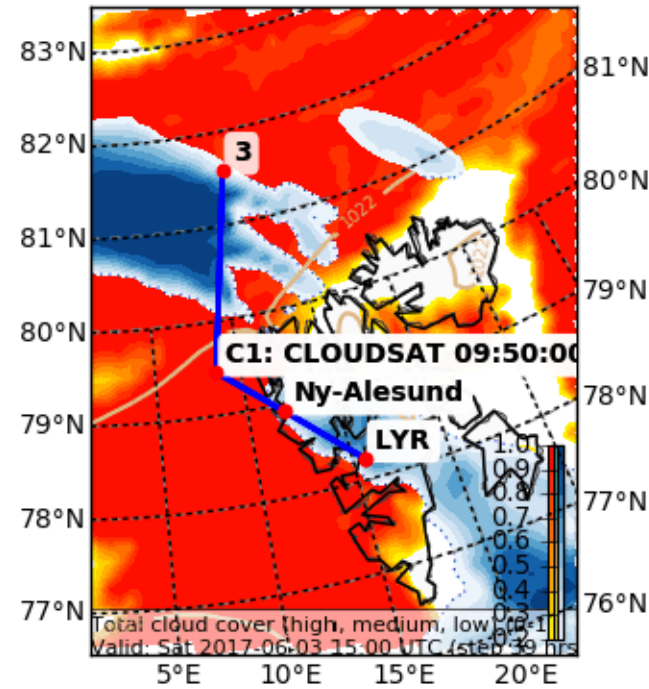




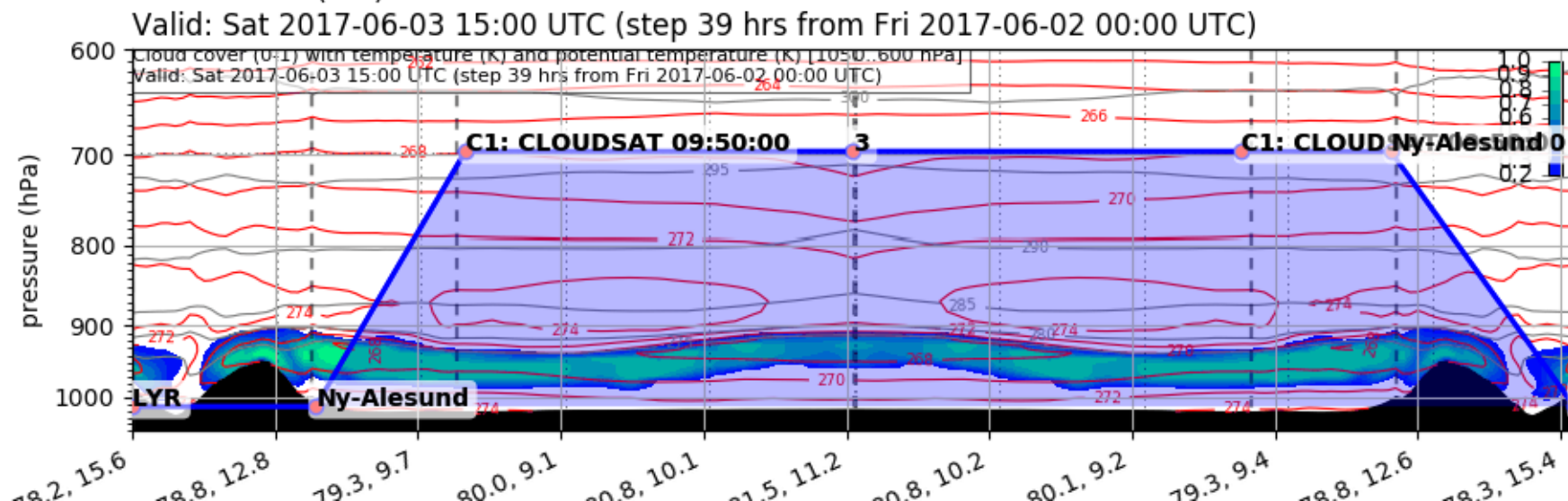
# Forecast Tomorrow 15 UTC

Cloud Cover (0-1) (Total Cloud Cover)

Valid: Sat 2017-06-03 15:00 UTC (step 39 hrs from Fri 2017-06-02 00:00 UTC)



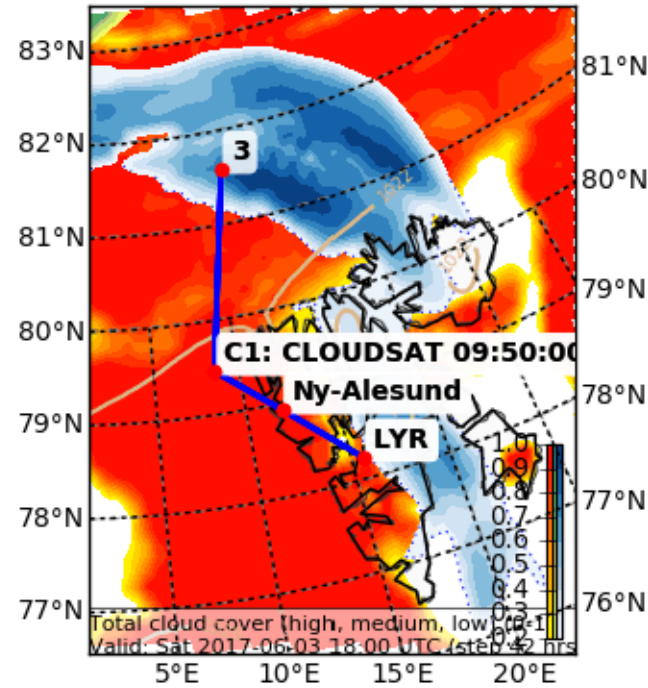
EPSG:77790000



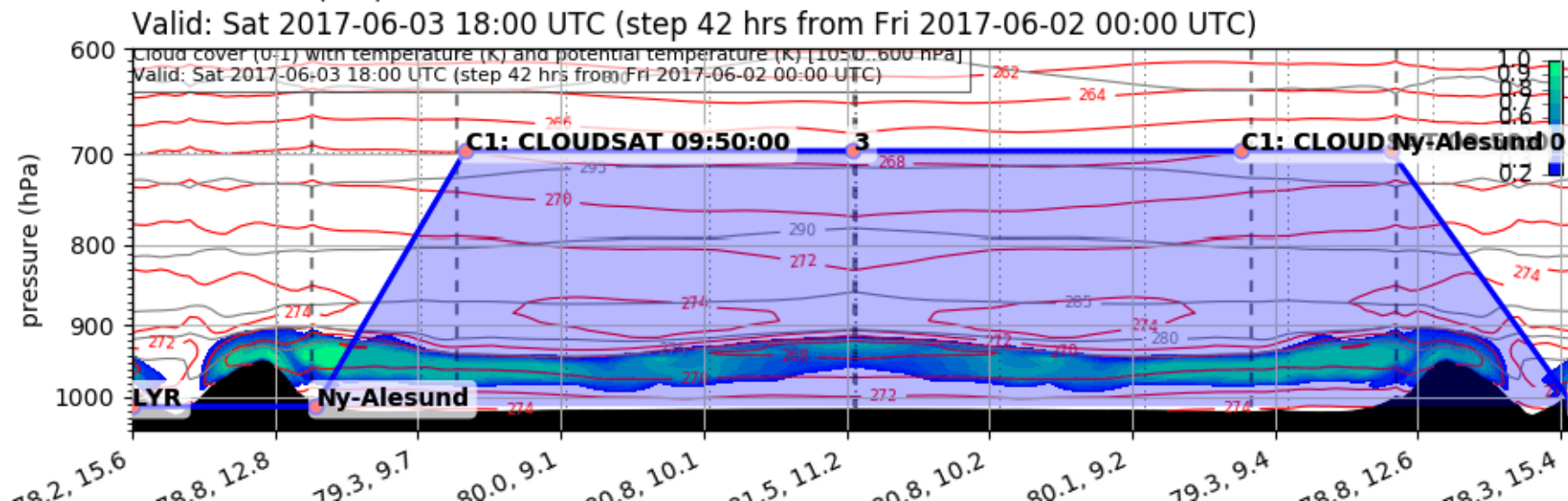


# Forecast Tomorrow 18 UTC

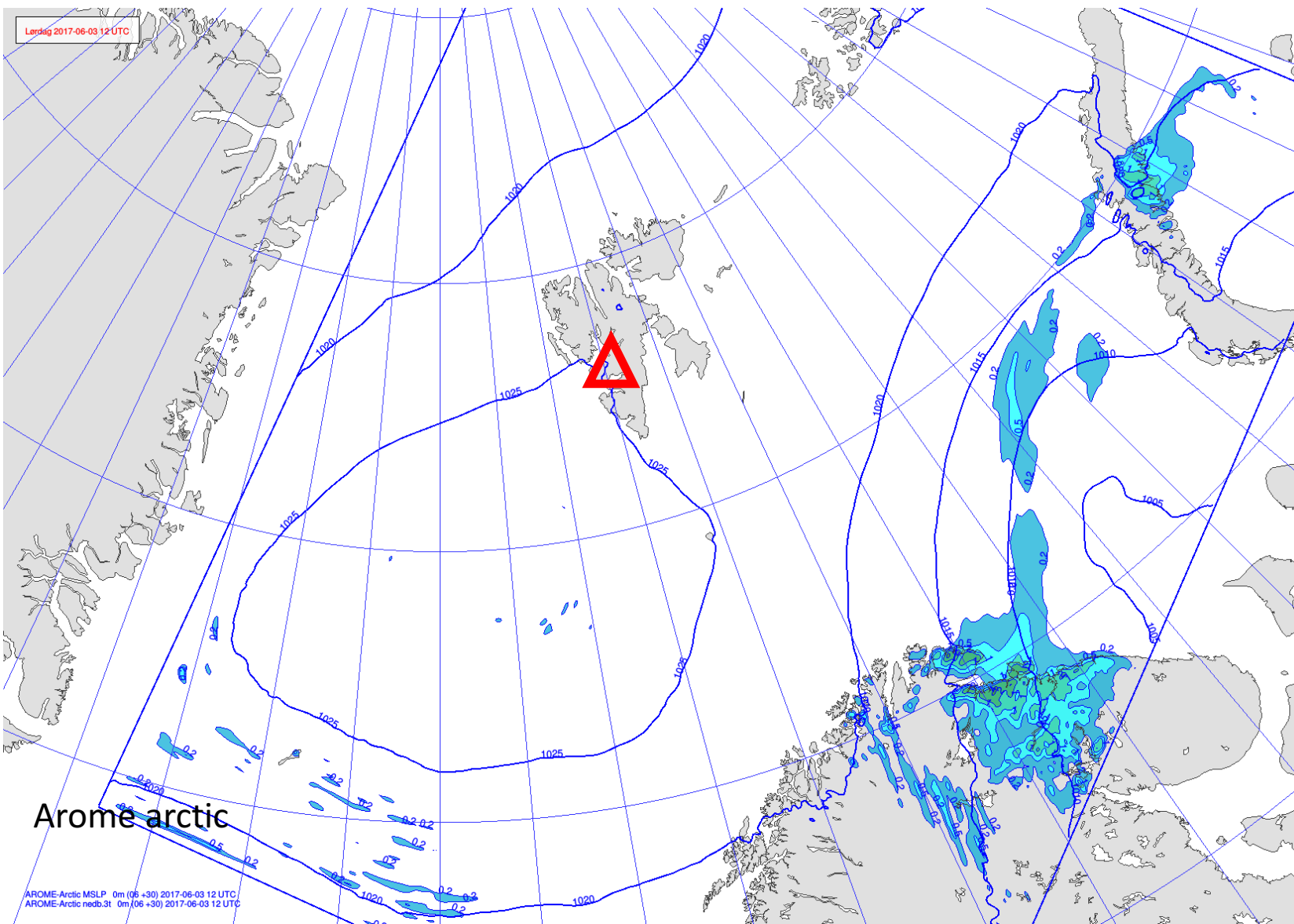
Cloud Cover (0-1) (Total Cloud Cover)  
Valid: Sat 2017-06-03 18:00 UTC (step 42 hrs from Fri 2017-06-02 00:00 UTC)



EPSG:77790000



# Precipitation 3 June 2017 @ 12 UTC

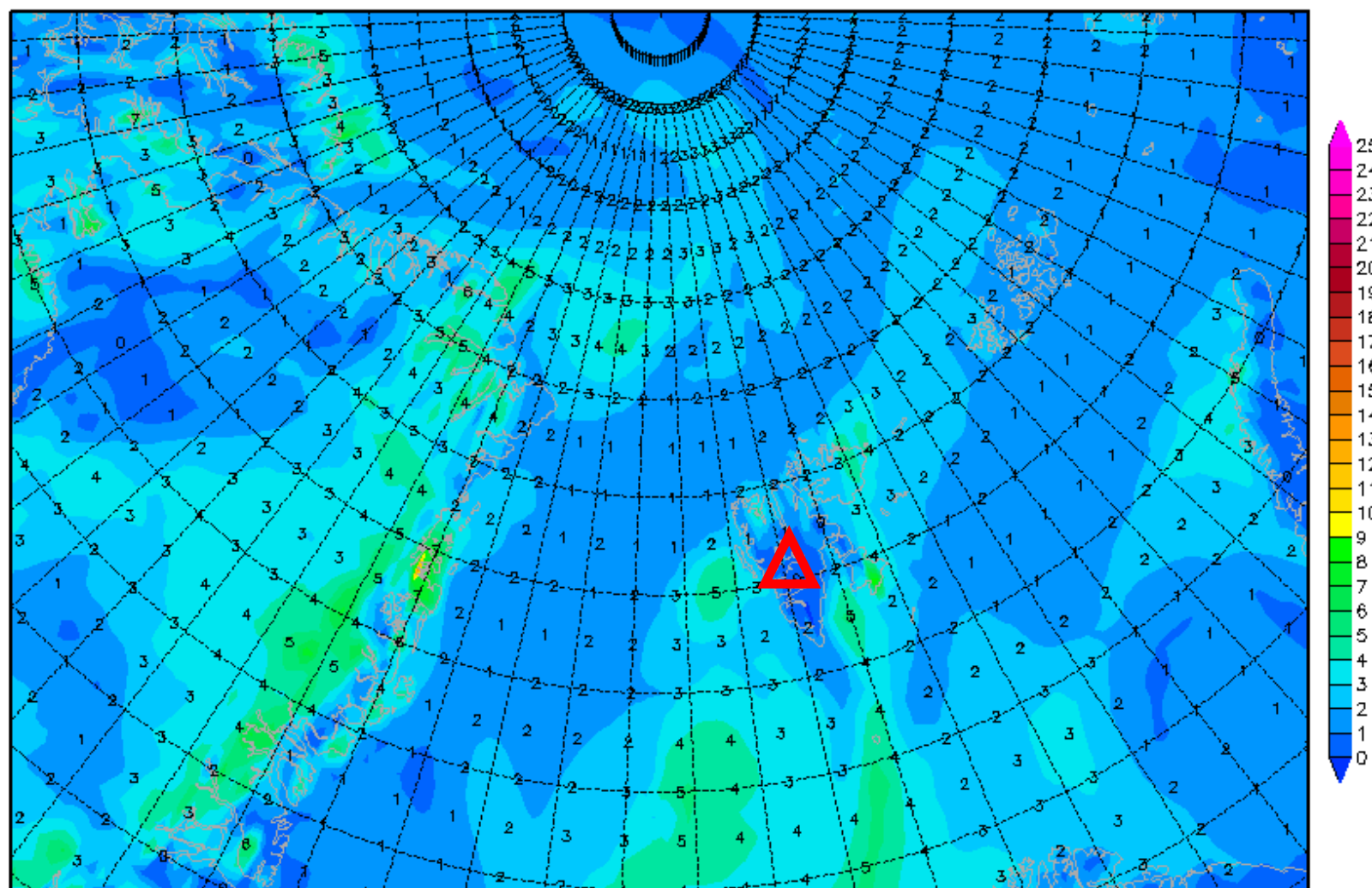


# 2-m dew point diff. 3 June 2017 @ 12 UTC

Init : Fri,02JUN2017 00Z

Valid: Sat,03JUN2017 12Z

*2m (Temperatur-Taupunkt)*



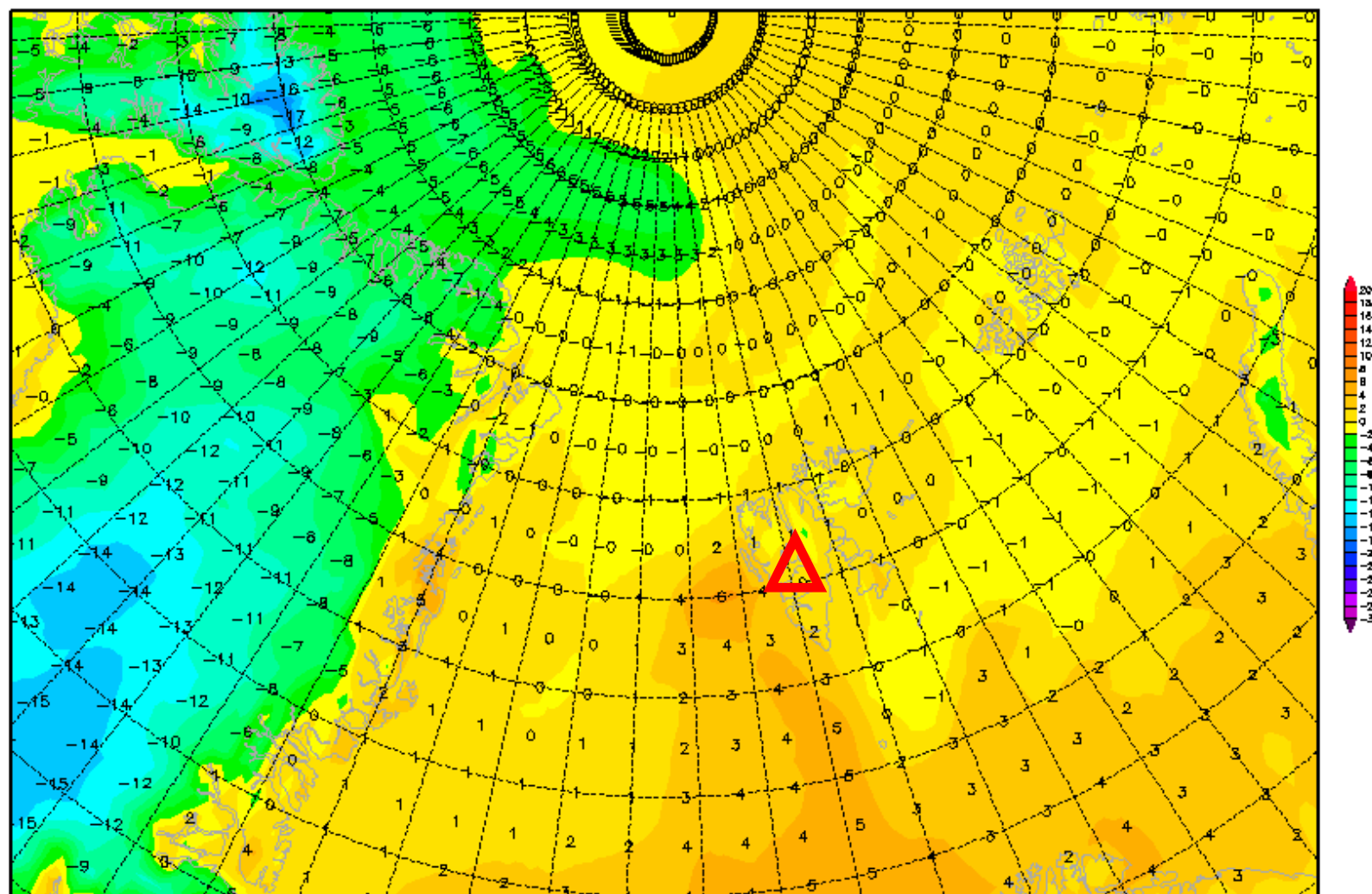
Daten: GFS  
(C) Wetterzentrale  
[www.wetterzentrale.de](http://www.wetterzentrale.de)

# 2-m temperature 3 June 2017 @ 12 UTC

Init : Fri,02JUN2017 00Z

Valid: Sat,03JUN2017 12Z

*2m Temperatur (°C)*

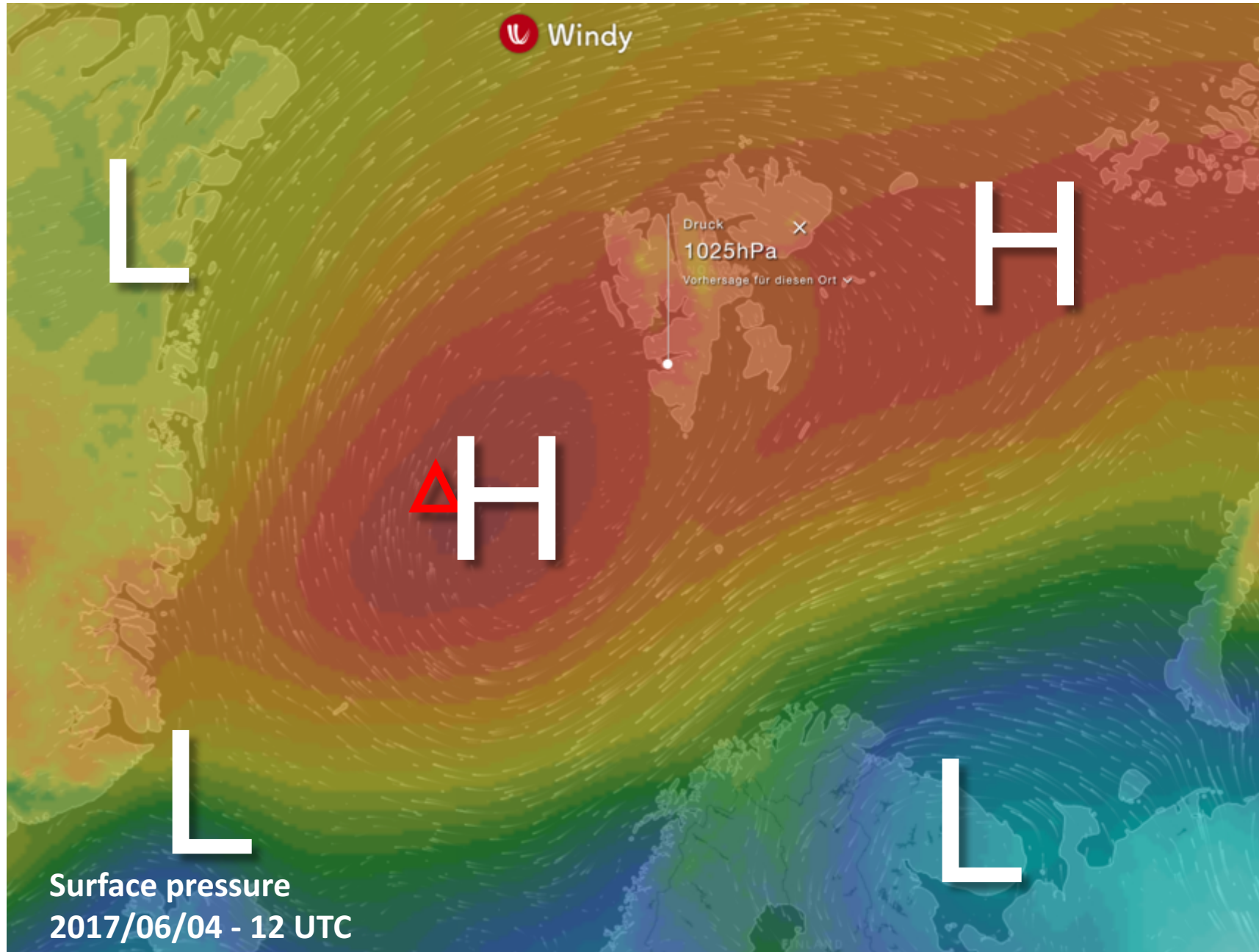


# Outlook

**Sun 4 June – Mon 5 June 2017**



# General Situation Sun 4 June 2017

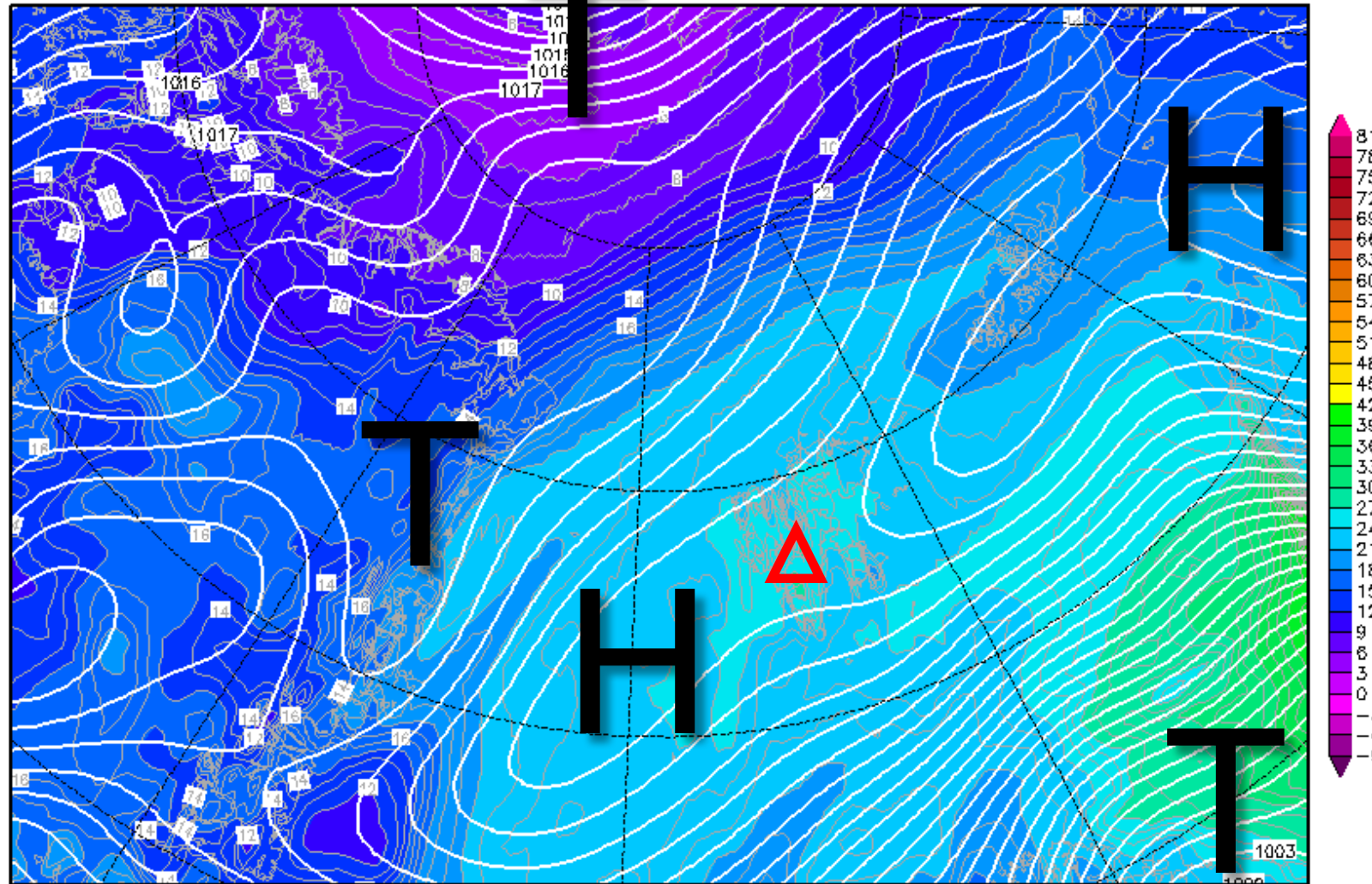


# 850-hPa Theta Equiv. 4 June 2017 @ 12 UTC

Init : Fri,02JUN2017 00Z

Valid: Sun,04JUN2017 12Z

*Bodendruck (hPa) und 850 hPa Aeq.Pot.T. (Grad C)*



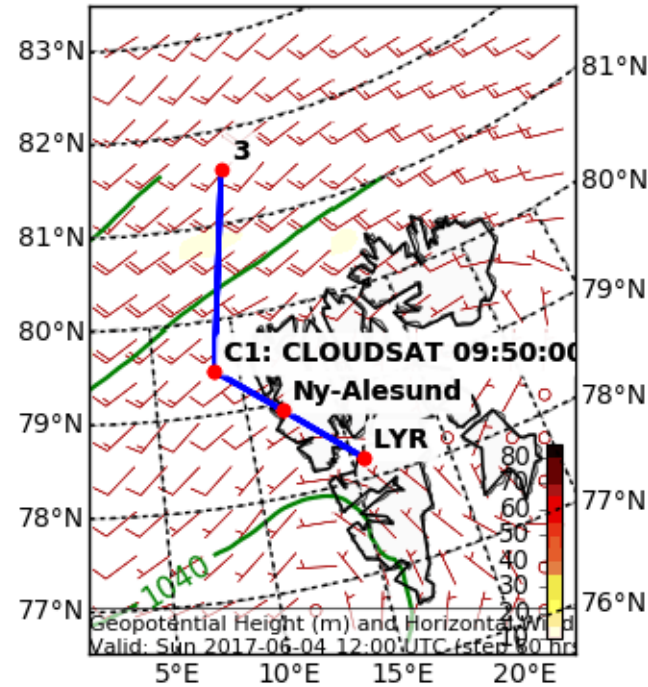
Daten: GFS-Modell des amerikanischen Wetterdienstes

(C) Wetterzentrale

www.watterzapsala.de

# Wind, After Tomorrow 12 UTC

Geopotential Height (m) and Horizontal Wind (m/s) (Wind Speed 10-85 m/s)  
Valid: Sun 2017-06-04 12:00 UTC (step 60 hrs from Fri 2017-06-02 00:00 UTC)

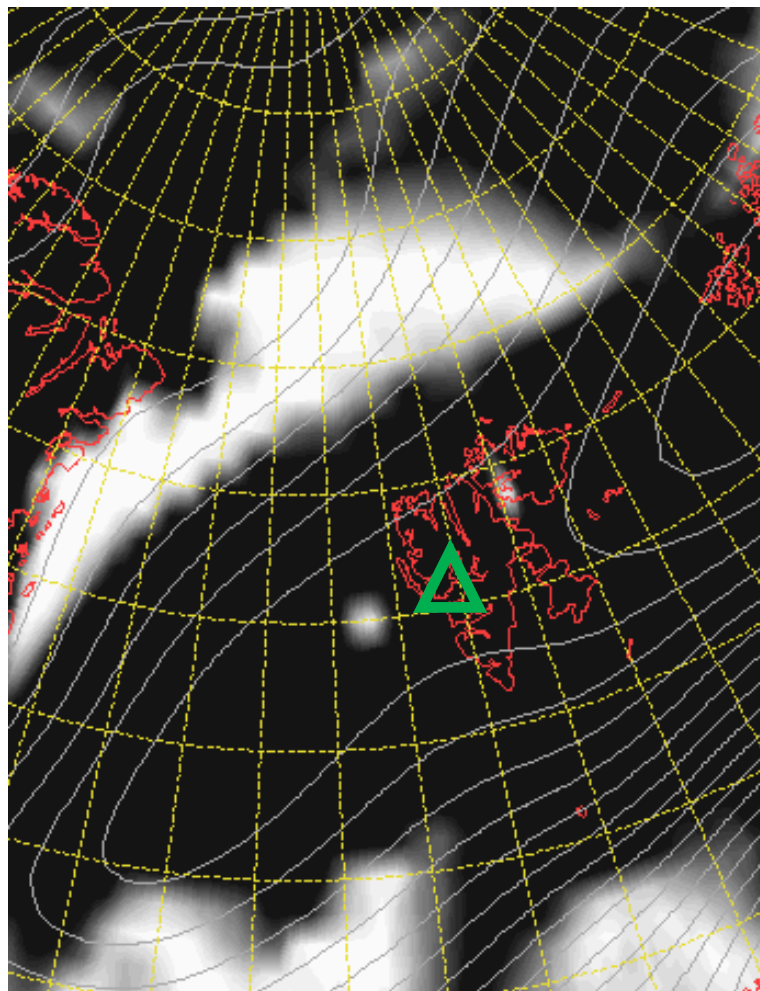


EPSG:77790000

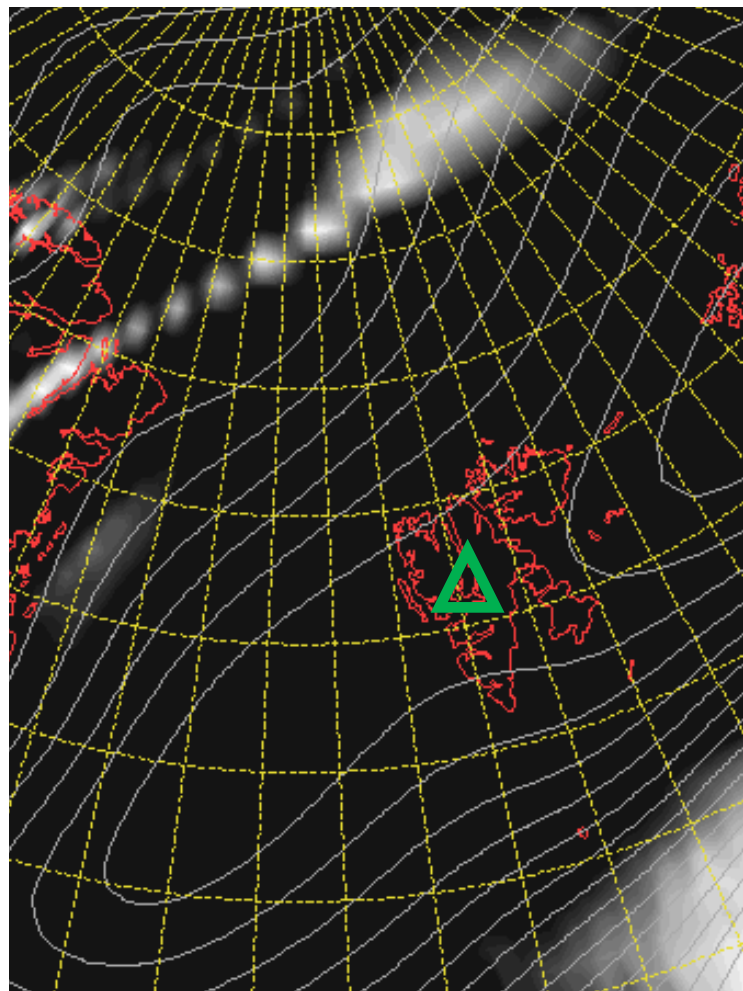


# Cloud Cover 4 June 2017 @ 12 UTC

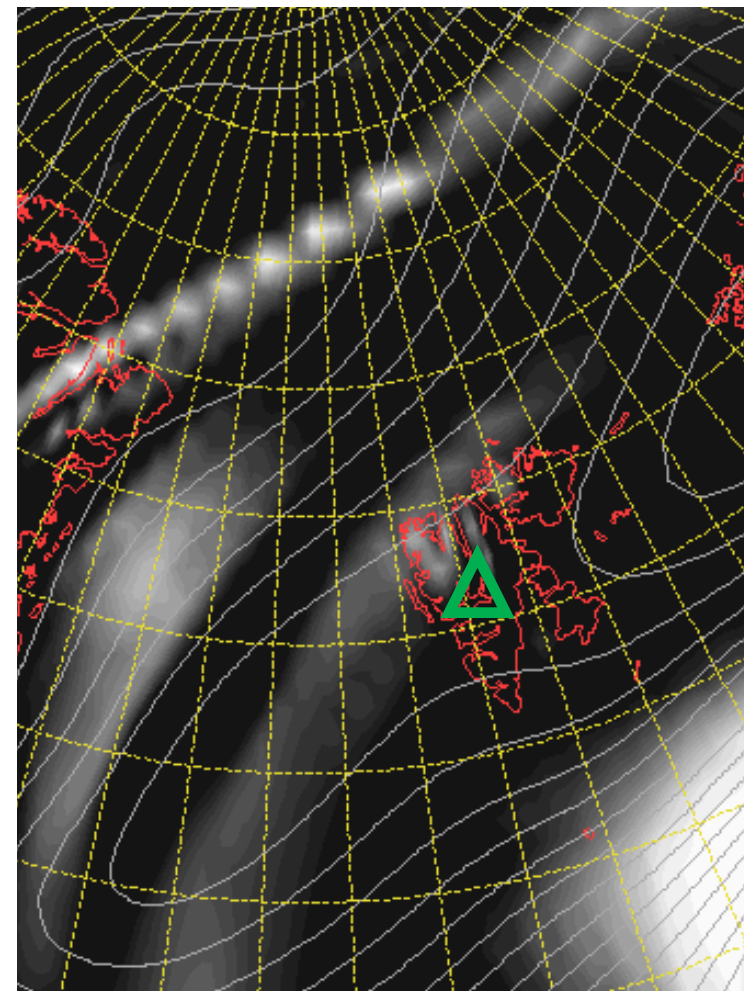
L



M

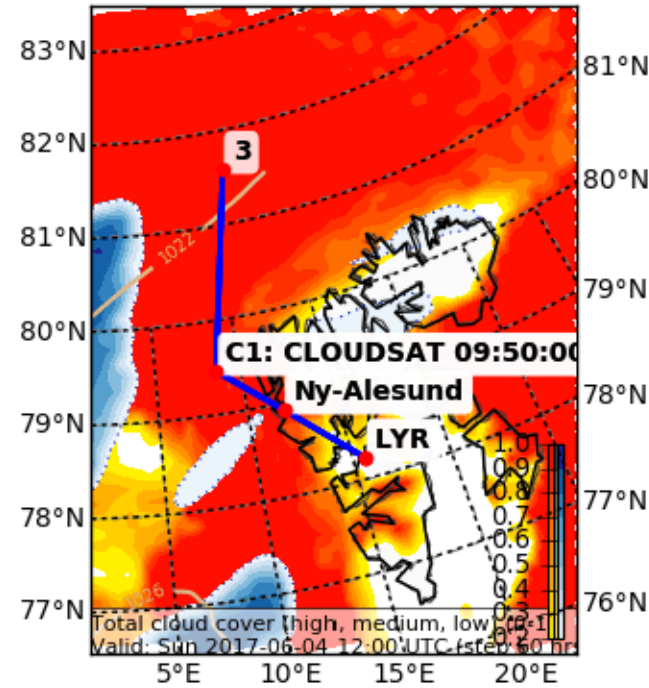


H

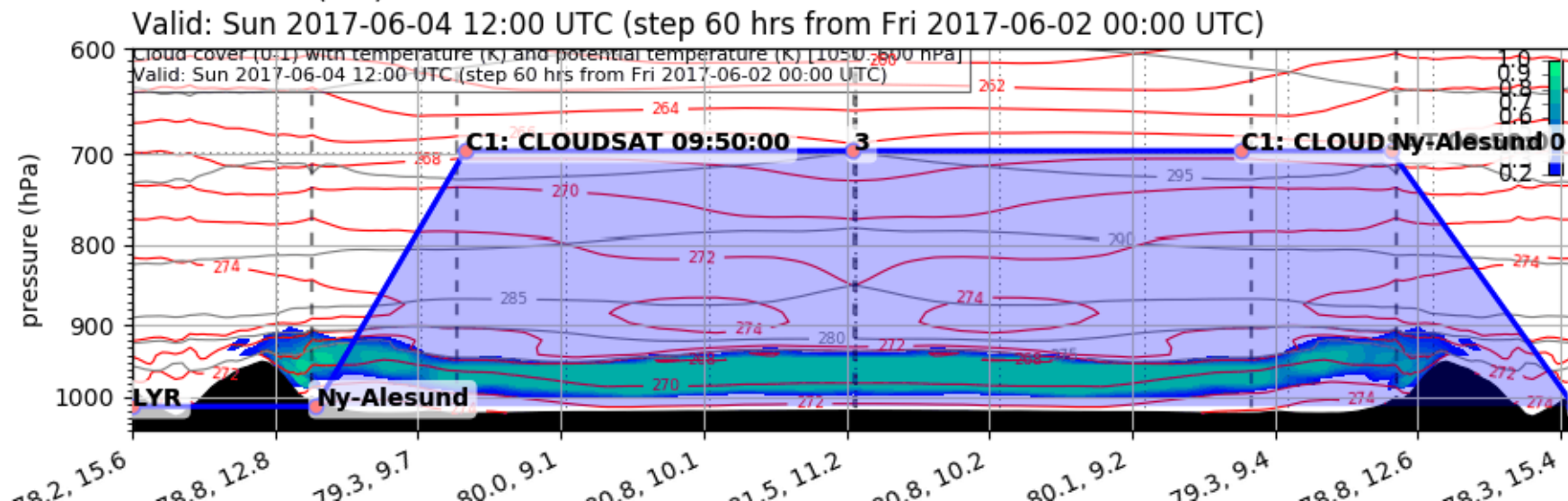


# Forecast After Tomorrow 12 UTC

Cloud Cover (0-1) (Total Cloud Cover)  
Valid: Sun 2017-06-04 12:00 UTC (step 60 hrs from Fri 2017-06-02 00:00 U



EPSG:77790000

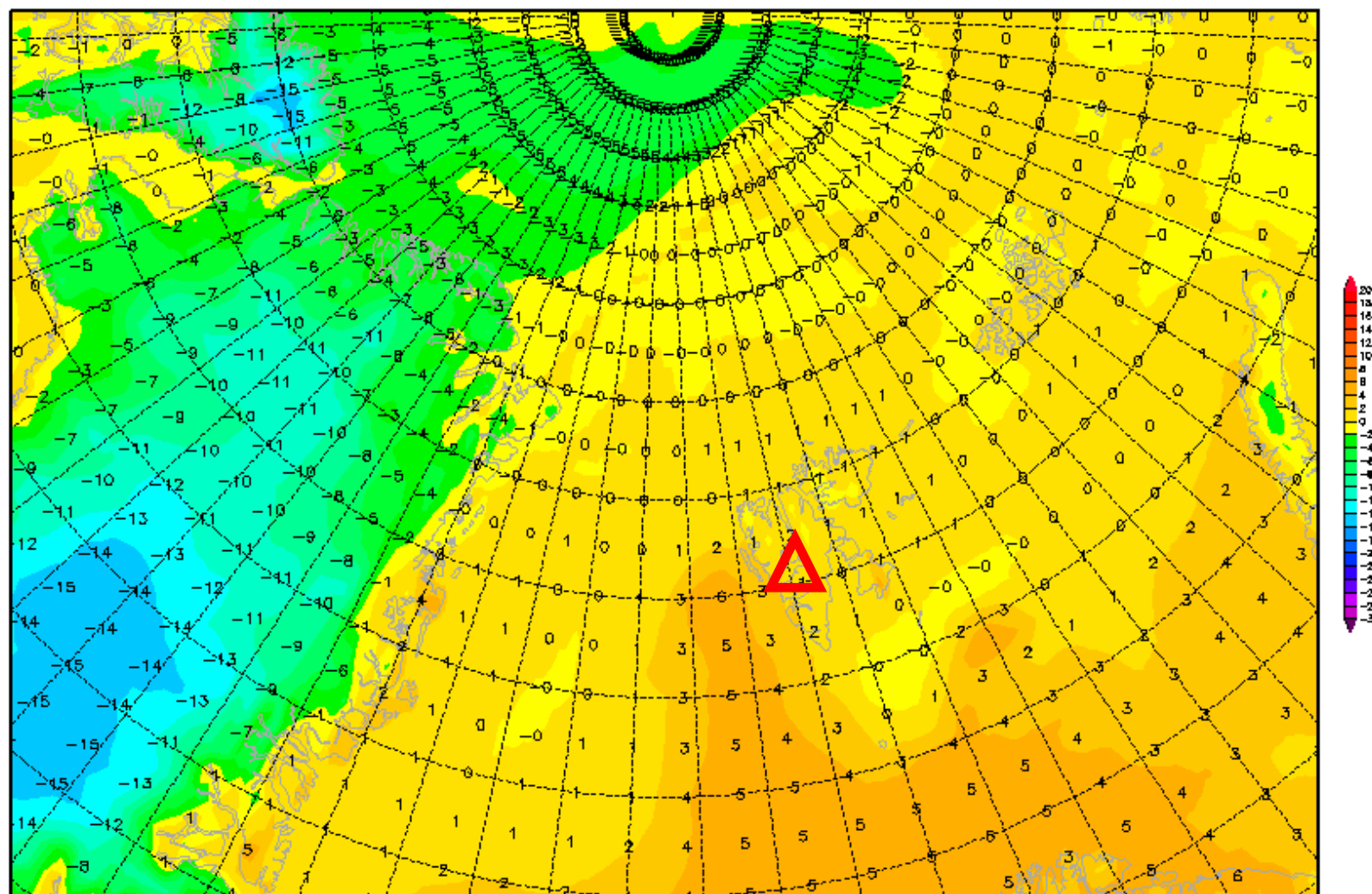


# 2-m temperature 4 June 2017 @ 12 UTC

Init : Fri,02JUN2017 00Z

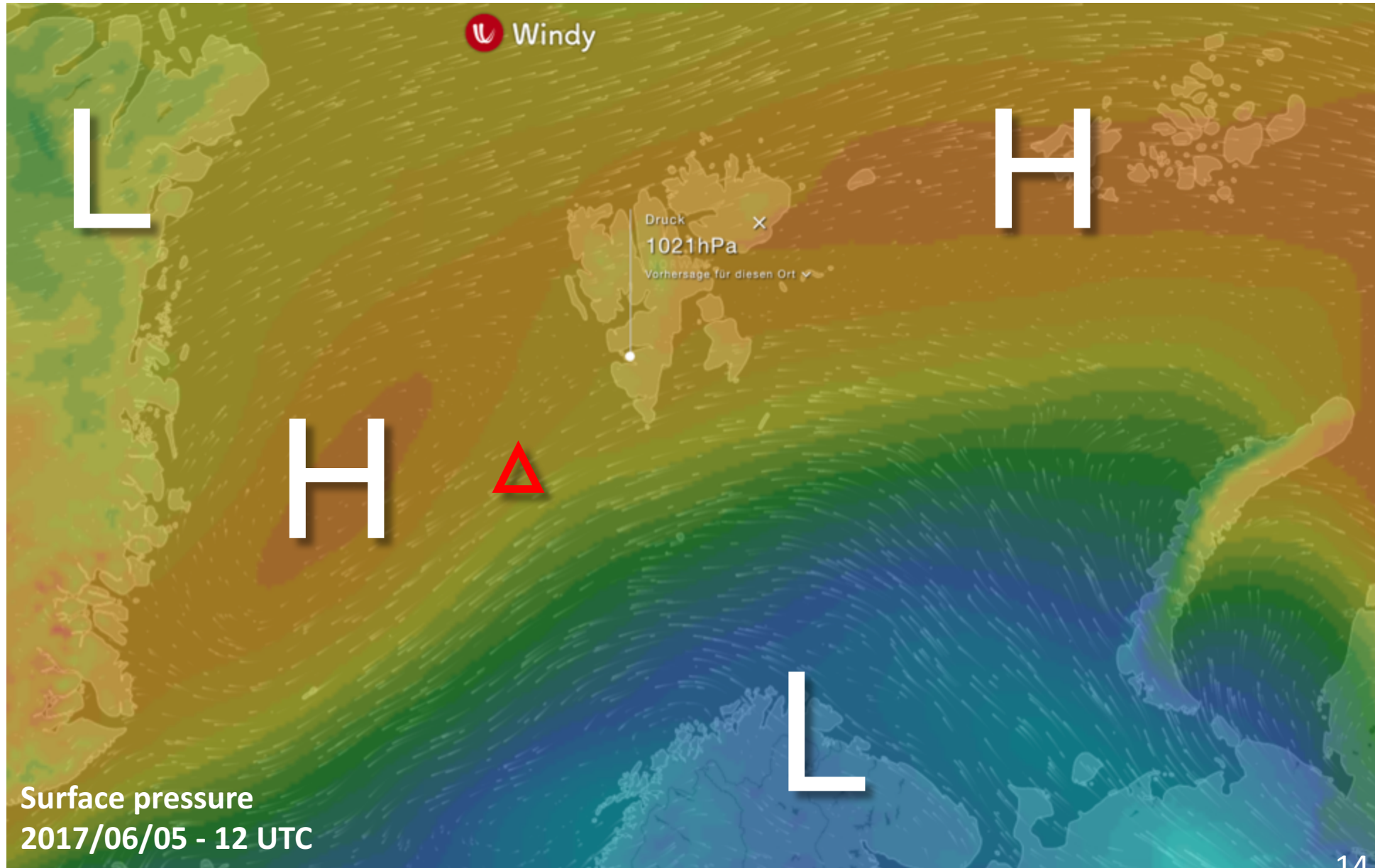
Valid: Sun,04JUN2017 12Z

*2m Temperatur (°C)*





# General Situation Sun 5 June 2017

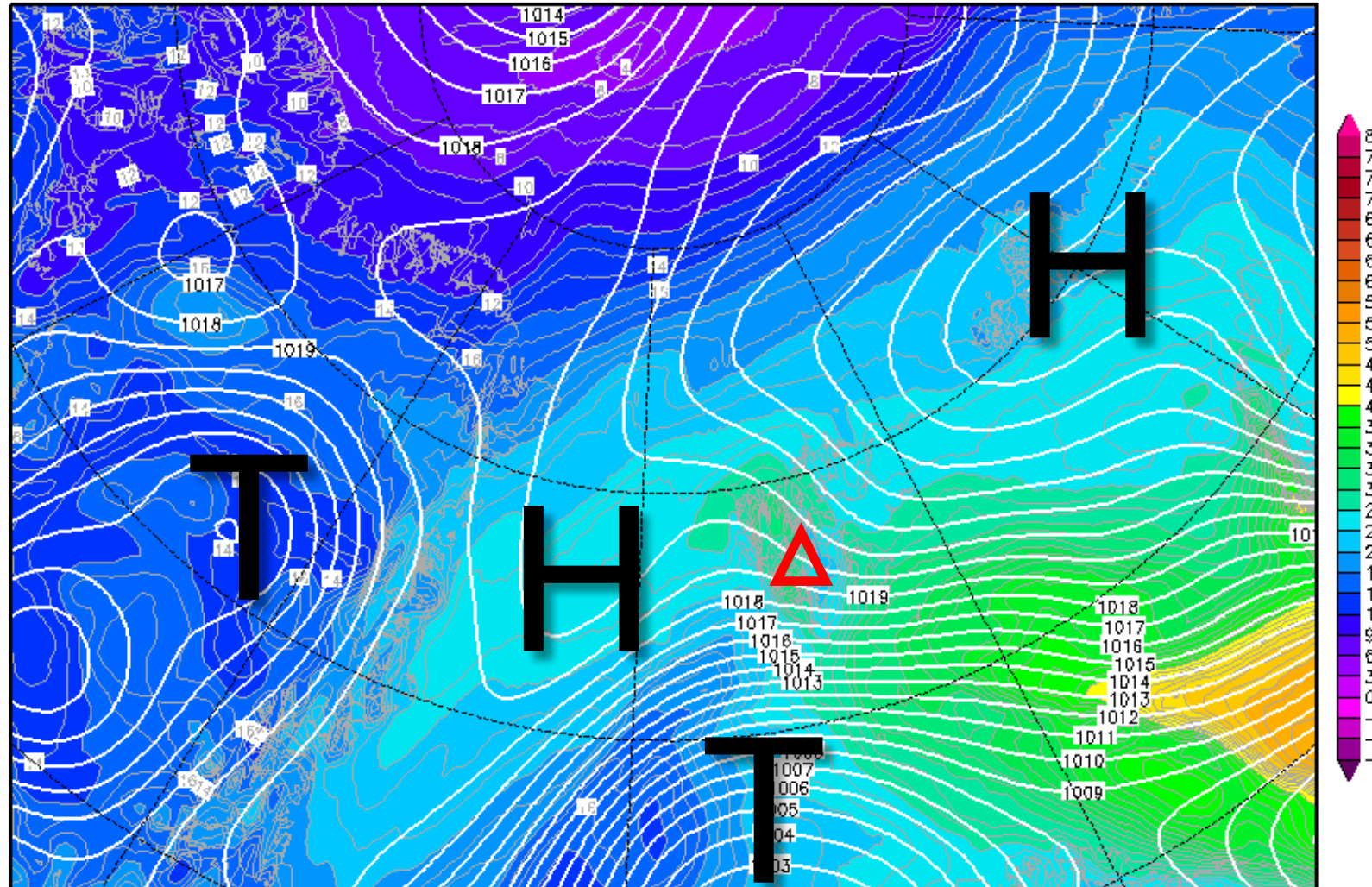


# 850-hPa Theta Equiv. 5 June 2017 @ 12 UTC

Init : Fri,02JUN2017 00Z

Valid: Mon,05JUN2017 12Z

*Bodendruck (hPa) und 850 hPa Aeq.Pot.T. (Grad C)*

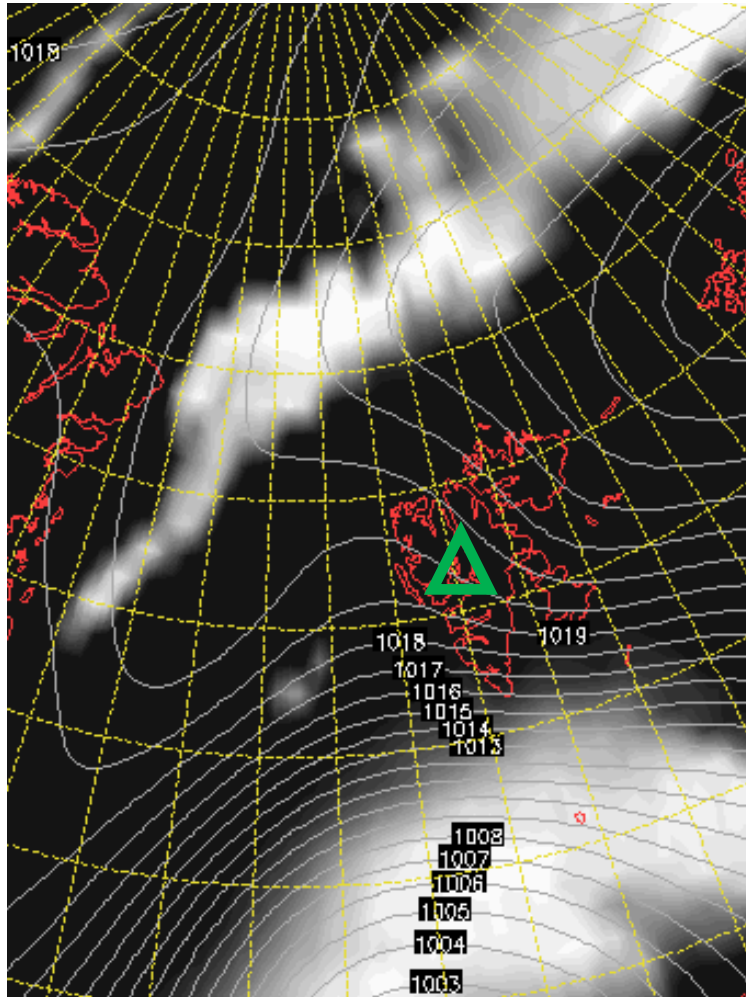


Daten: GFS-Modell des amerikanischen Wetterdienstes  
(C) Wetterzentrale  
[www.wetterzentrale.de](http://www.wetterzentrale.de)

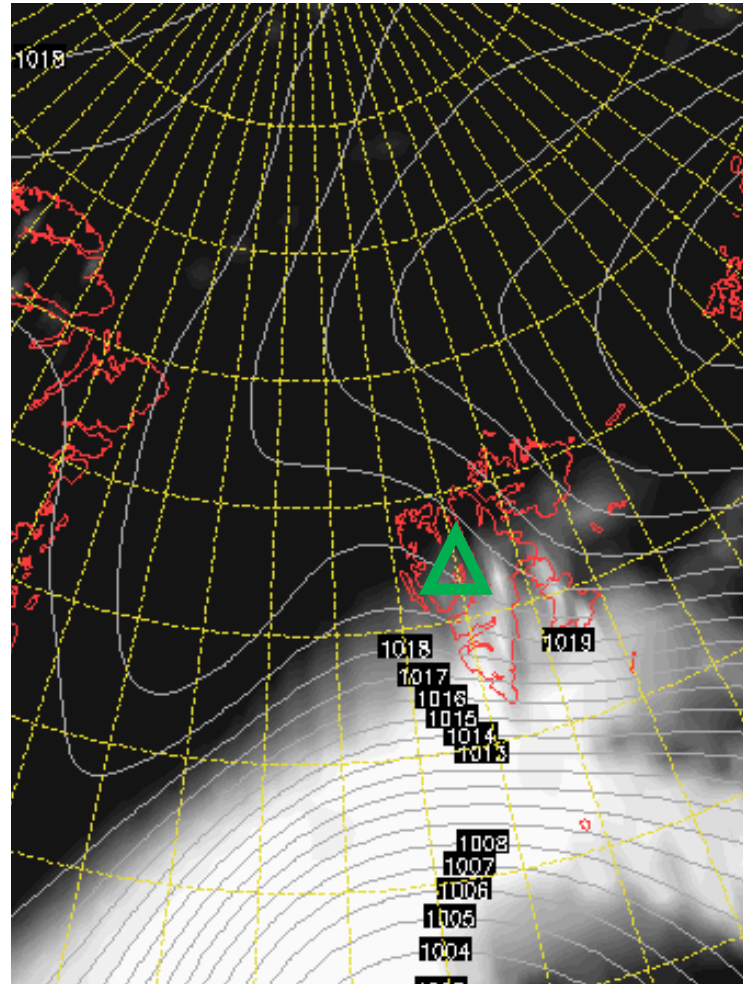


# Cloud Cover 5 June 2017 @ 12 UTC

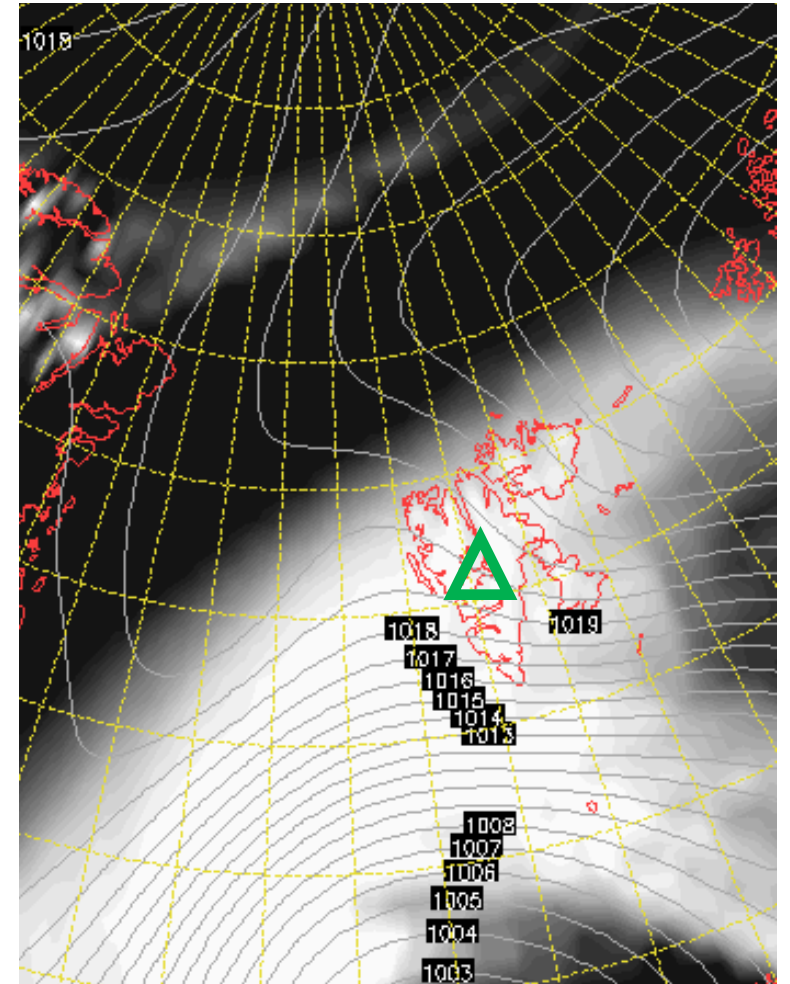
L



M



H

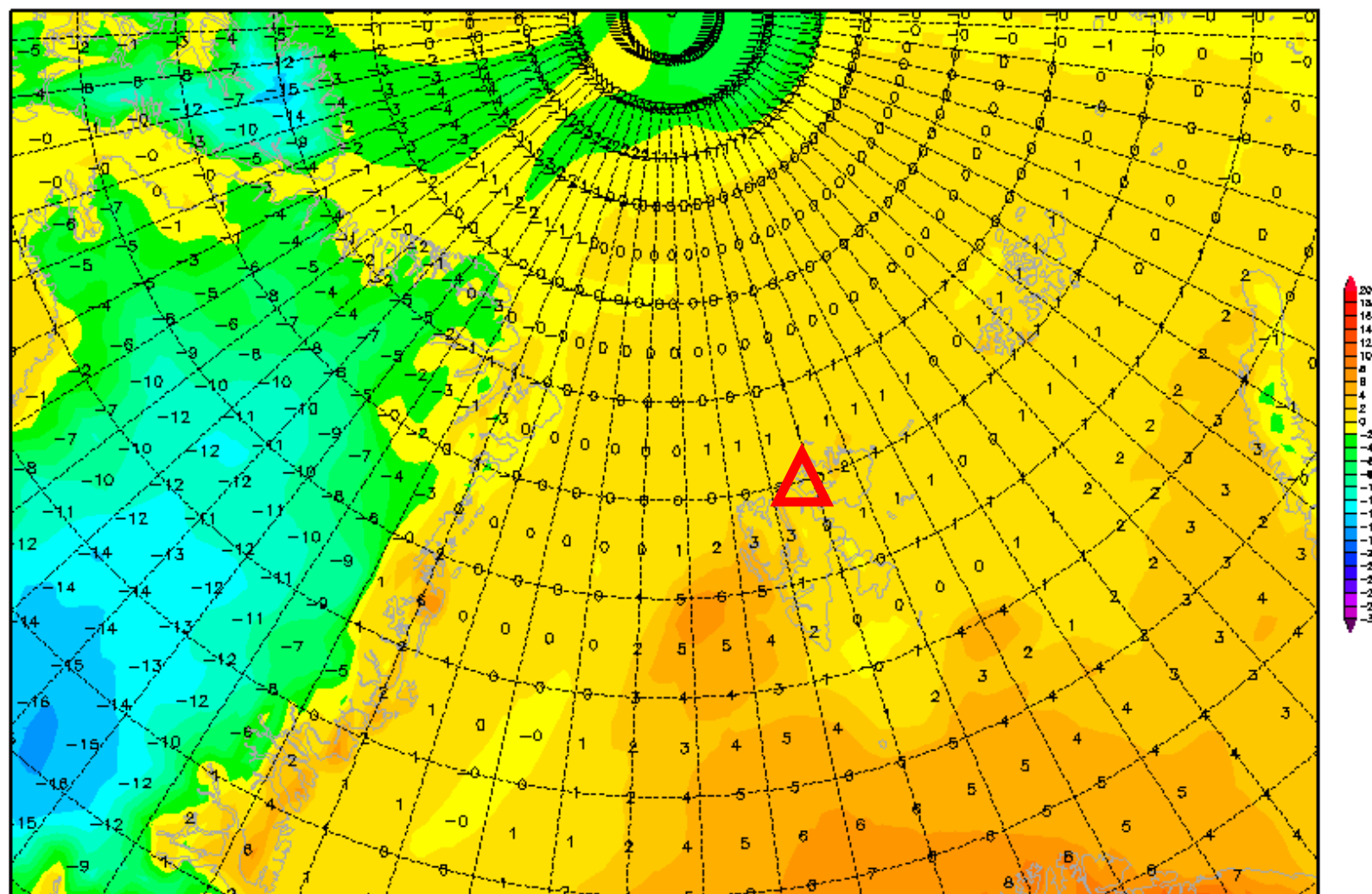


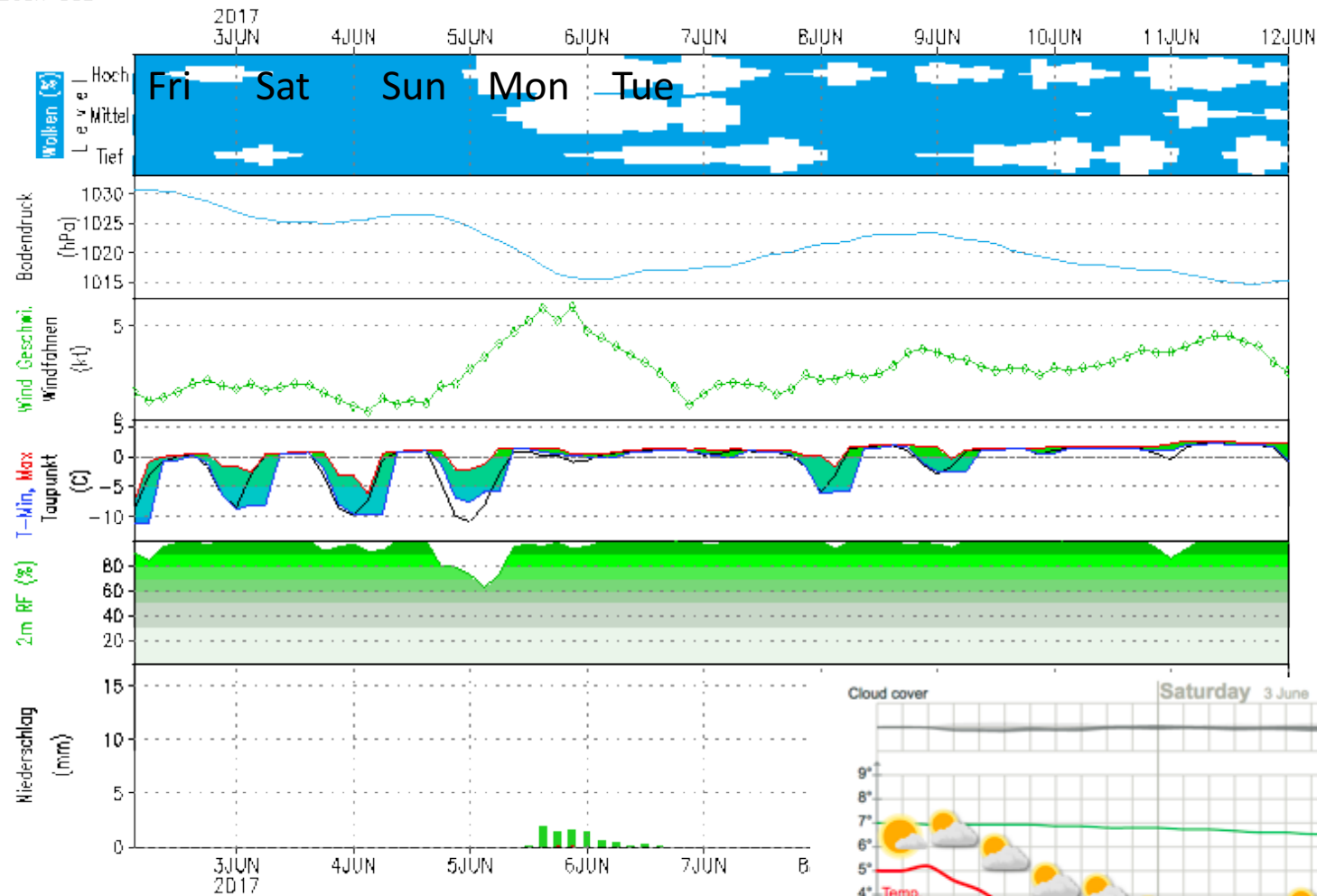
# 2-m temperature 5 June 2017 @ 12 UTC

Init : Fri,02JUN2017 00Z

Valid: Mon,05JUN2017 12Z

*2m Temperatur (°C)*





Heute kein Sonnenaufgang  
Heute kein Sonnenuntergang

