

# Weather briefing

ACLOUD Longyearbyen, Svalbard

Sun 04 June 2017 – **Mon 05 June** – Thu 8 June 2017

## Summary

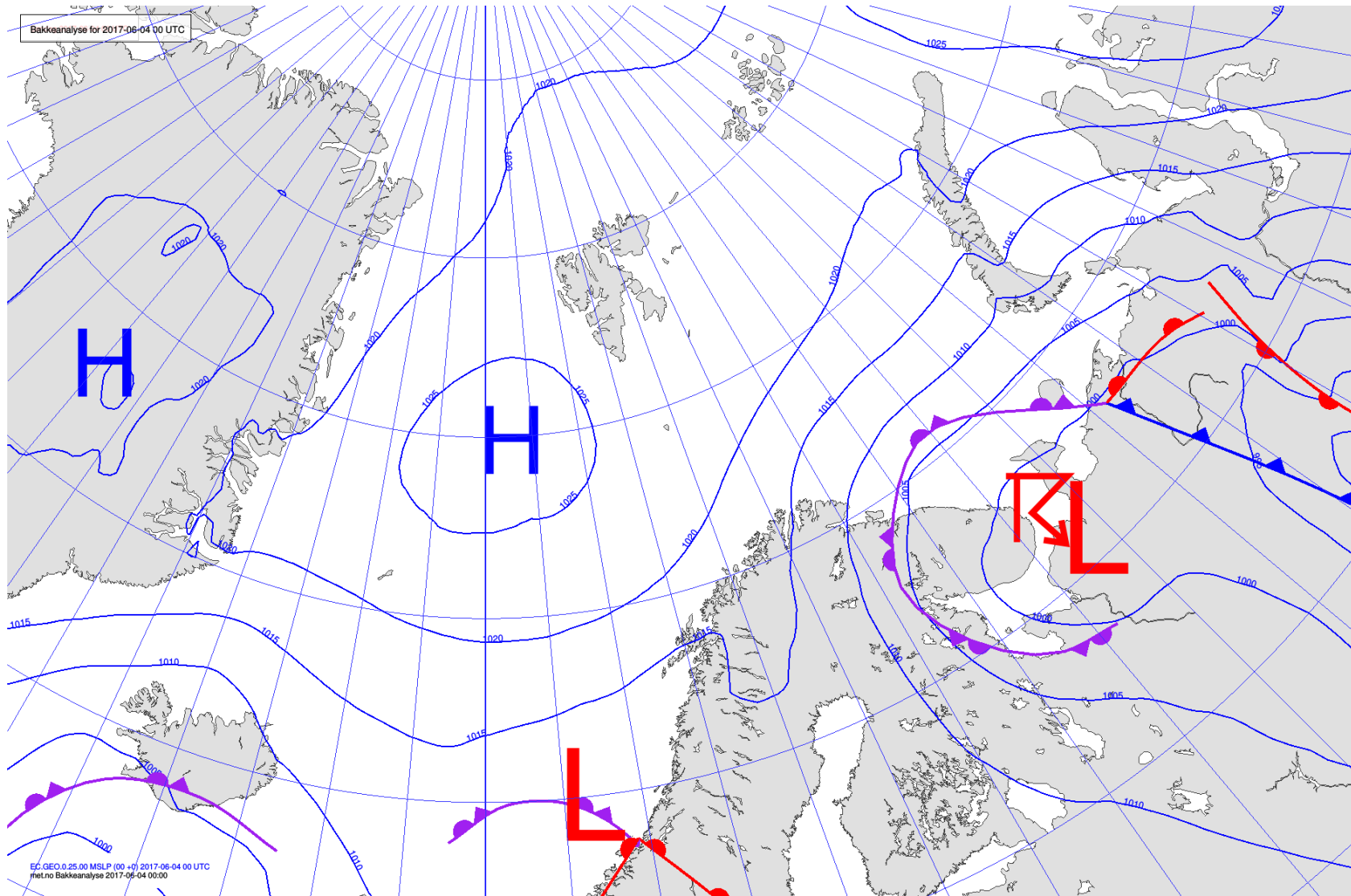
The high pressure system has shifted north to the direct west of Spitsbergen and brings us northerly winds over the open water west. In the fjord wind speeds are low and vary from west to southwest. Low clouds can be found near the coast, stretching north. Some cirrus above.

Tomorrow low clouds can still be found north of Spitsbergen, while clouds in all levels come closer from the south, transported by a low.

The front will reach us approximately Tuesday morning.

Position of Polarstern (semi stationary) 81.95° N, 10.46° E

# Analysis 04 June 2017 @ 12 UTC

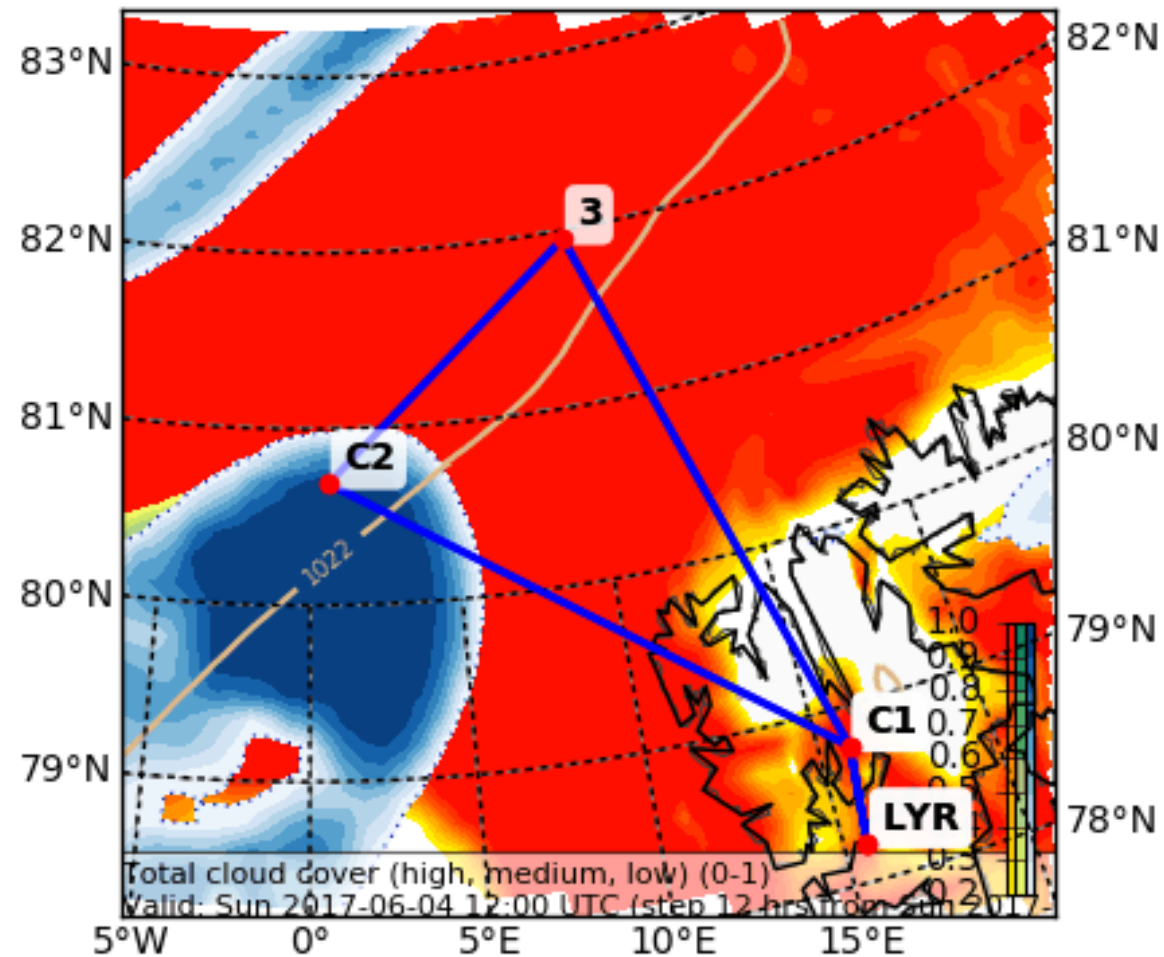


# Clouds

## Today 12 UTC

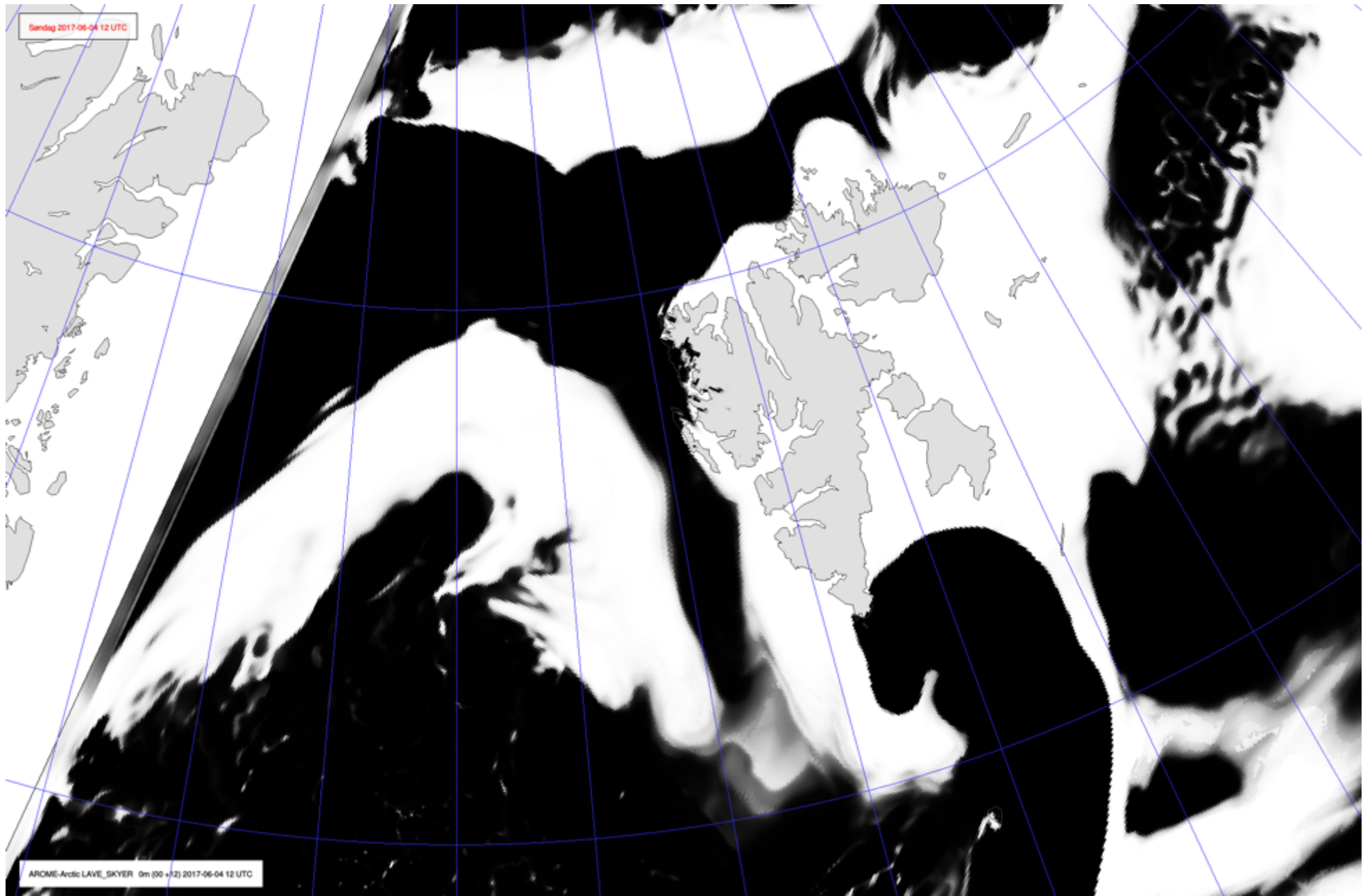
Cloud Cover (0-1) (Total Cloud Cover)

Valid: Sun 2017-06-04 12:00 UTC (step 12 hrs from Sun 2017-06-04 00:00 UTC)





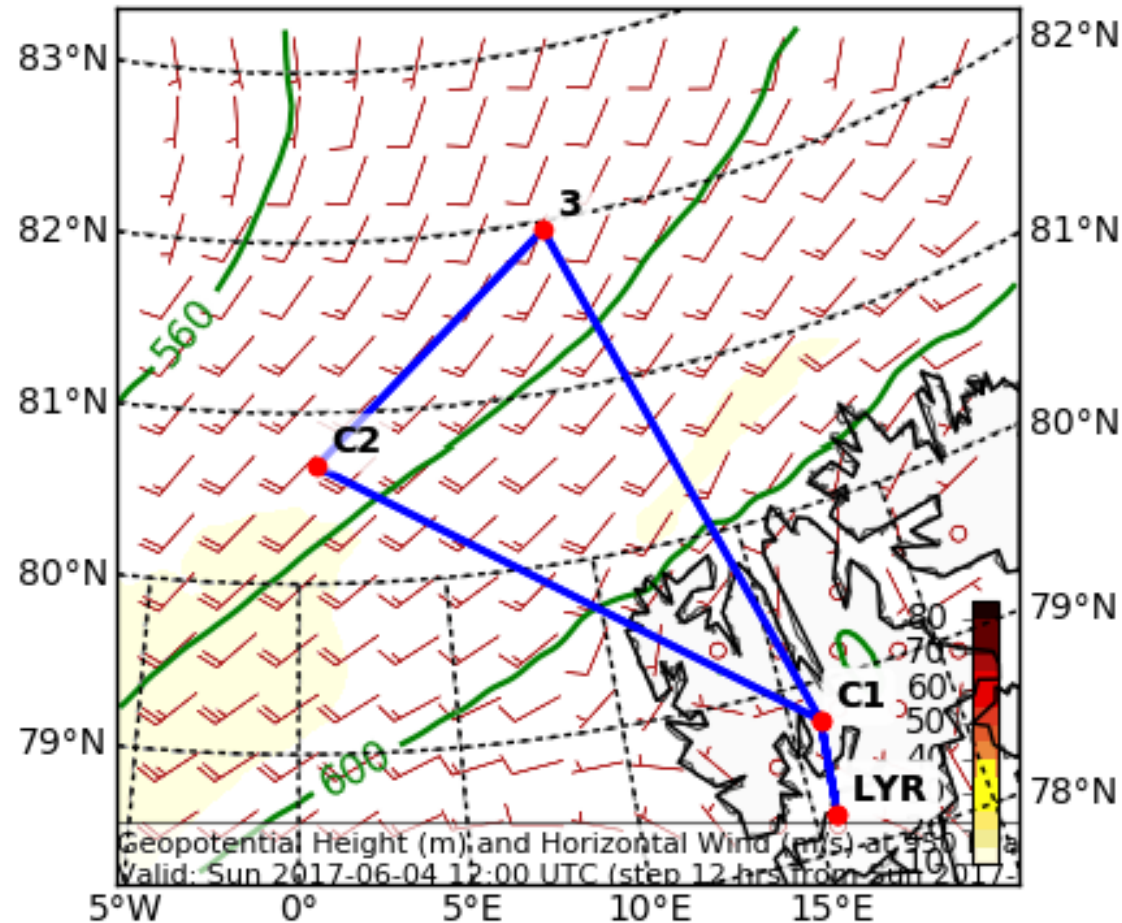
# Cloud 04 June 2017 @ 12 UTC



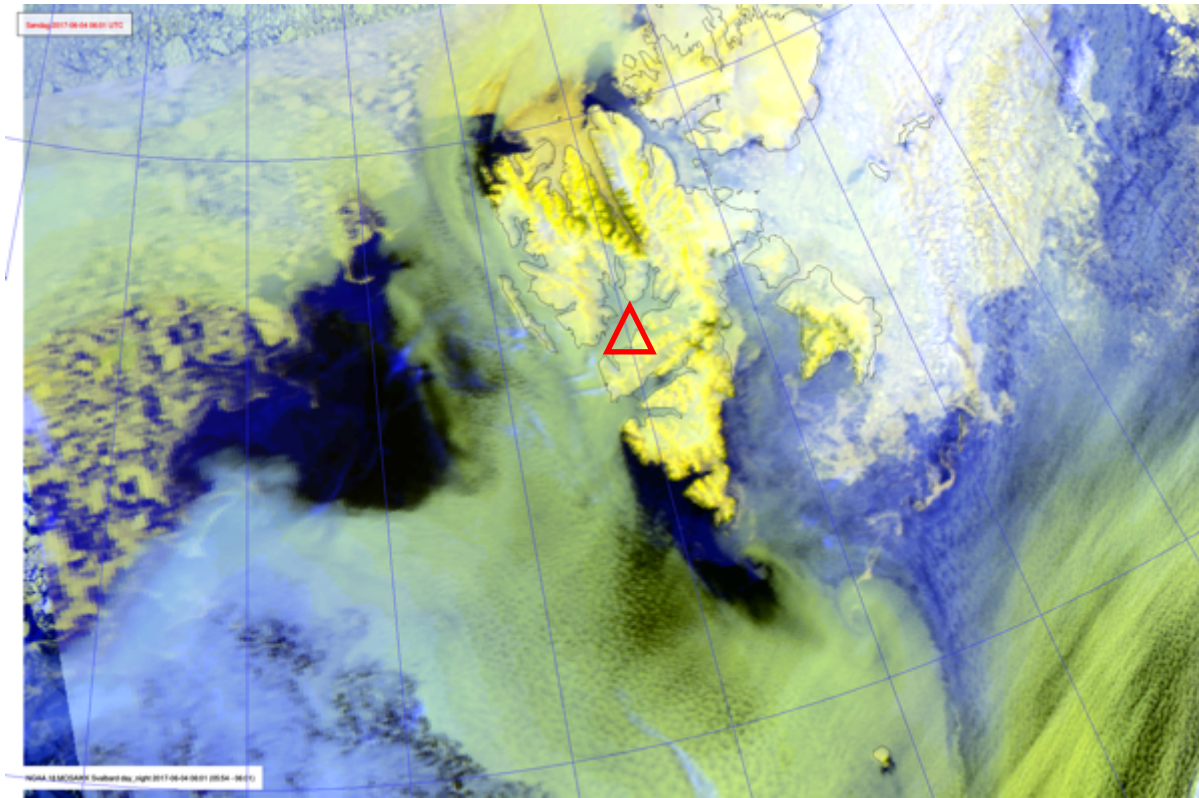
# Wind

## Today 12 UTC

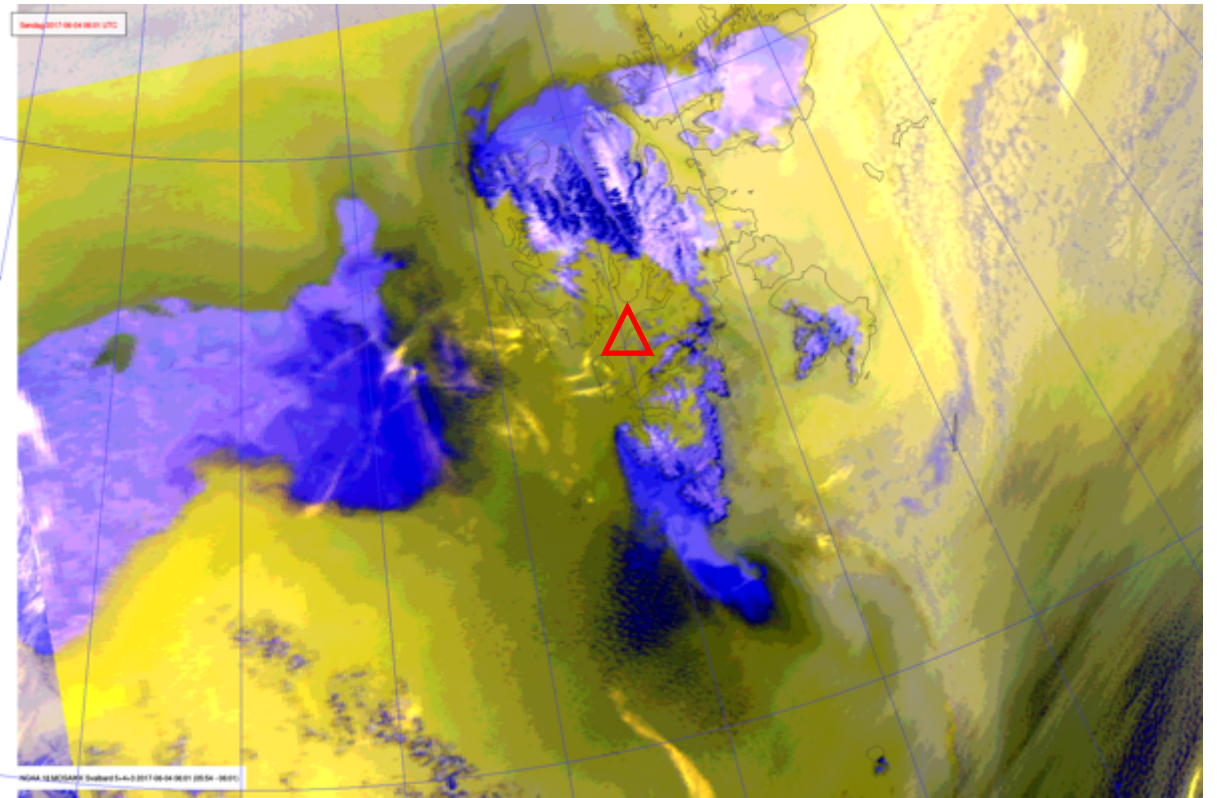
Geopotential Height (m) and Horizontal Wind (m/s) (Wind Speed 10-85 m/s) at 925 hPa  
Valid: Sun 2017-06-04 12:00 UTC (step 12 hrs from Sun 2017-06-04 00:00 UTC)



# NOAA-19 04 June 2017 @ 0601 UTC



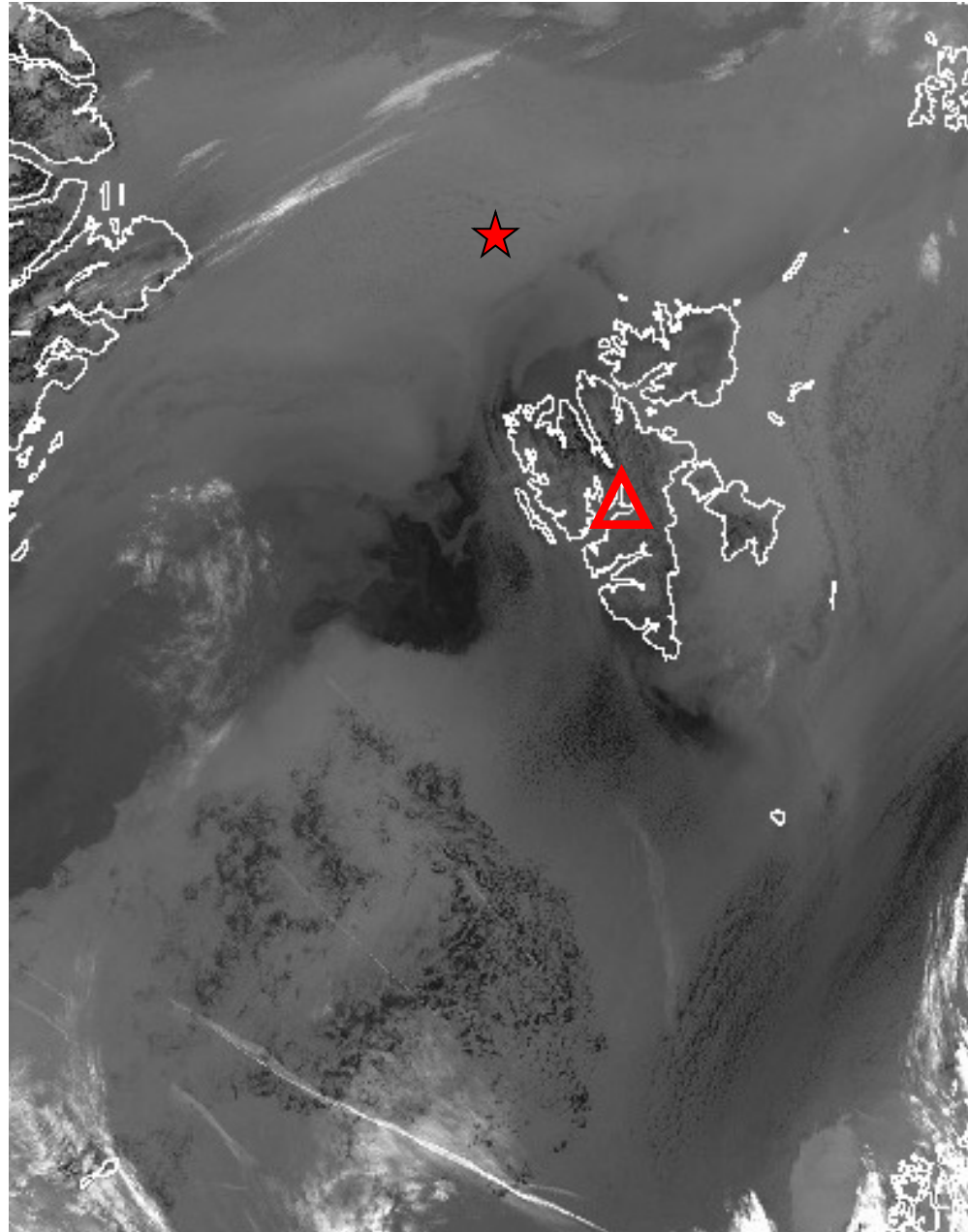
10.8  $\mu\text{m}$



IR, Ch 5+4+3



# NOAA-19 04 June 2017 @ 0751 UTC



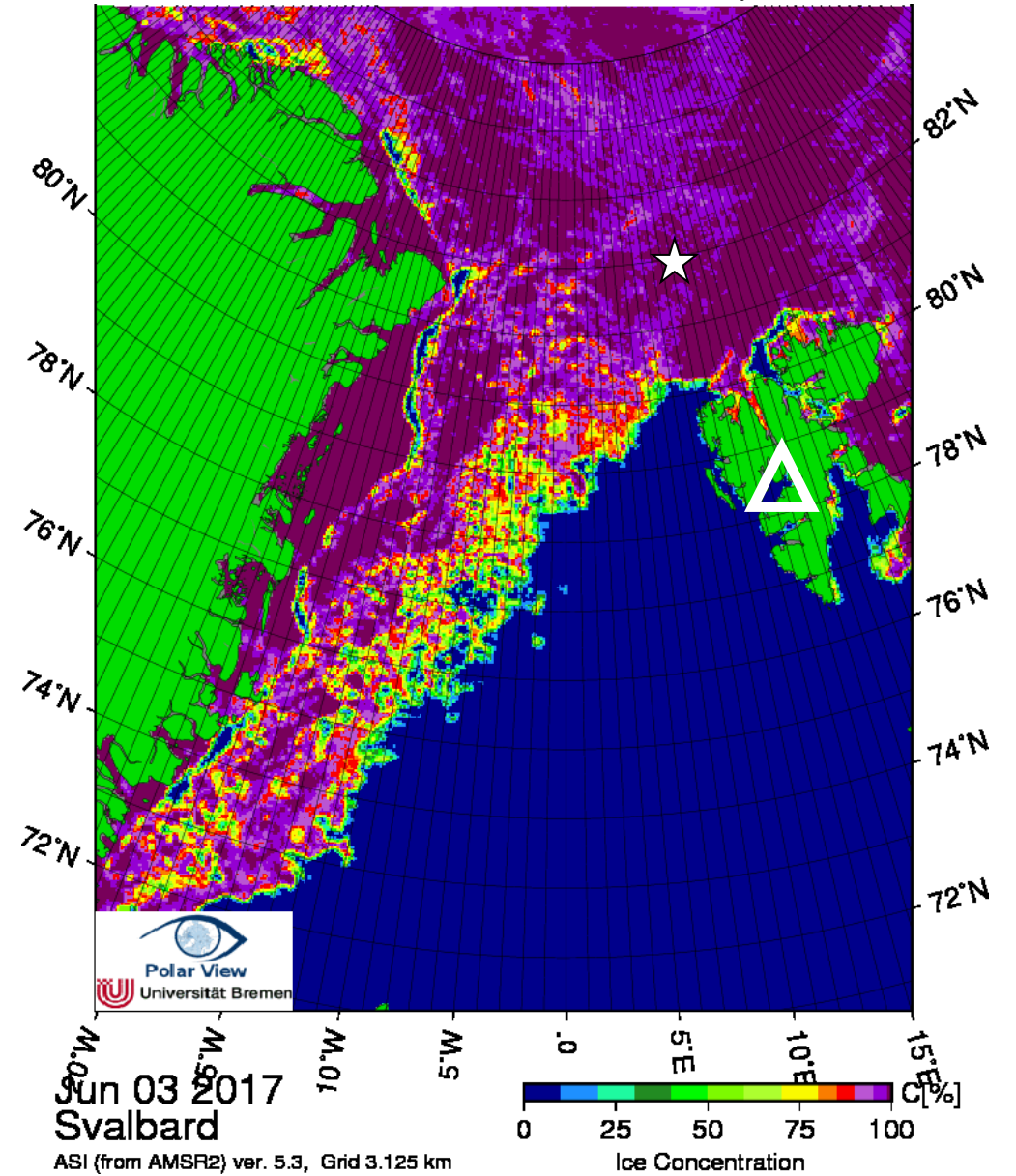
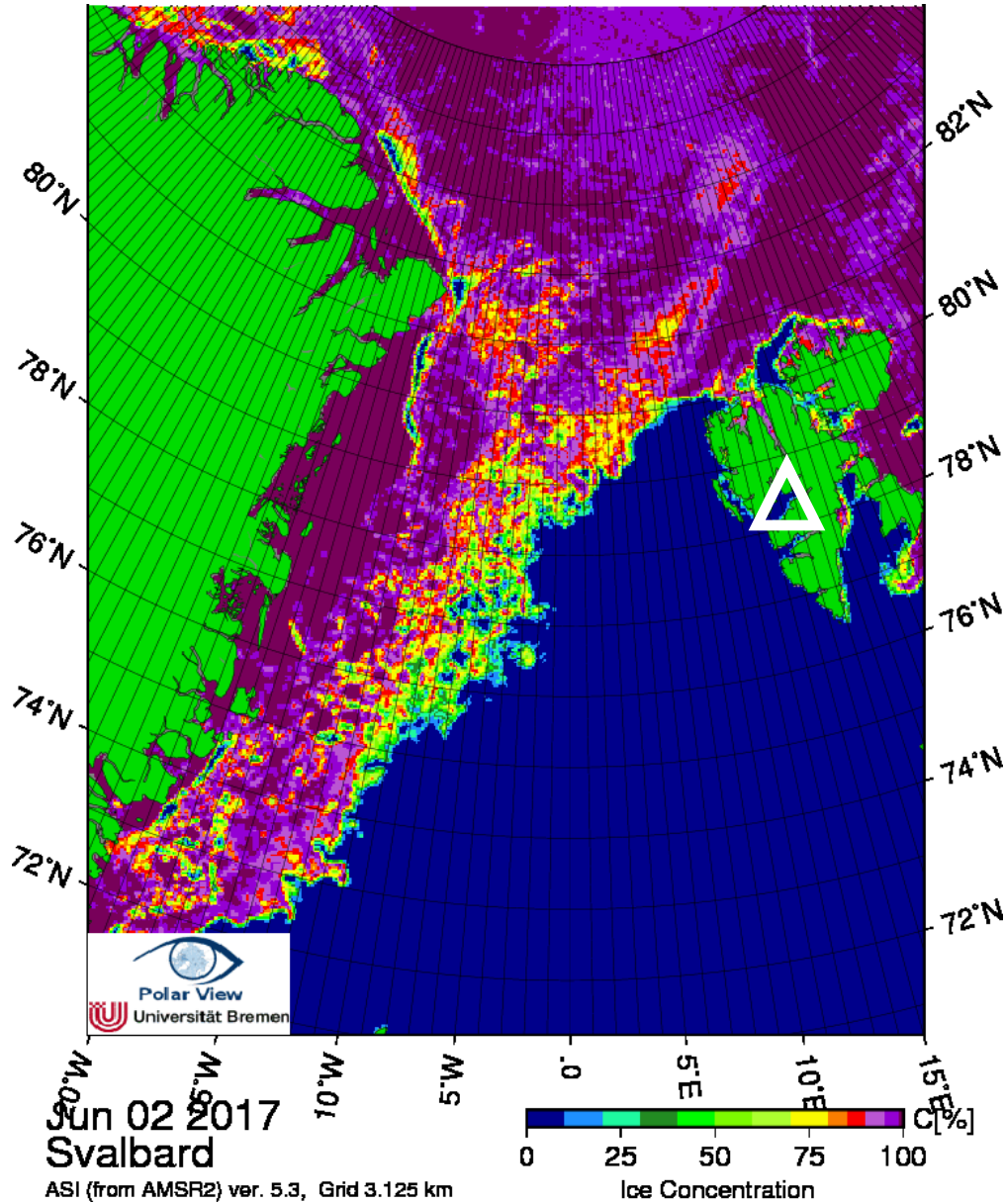
★ RV Polarstern (81.95° N, 10.46° E)

07:51

10.8 μm

# Arctic sea ice 2 June & 3 June 2017

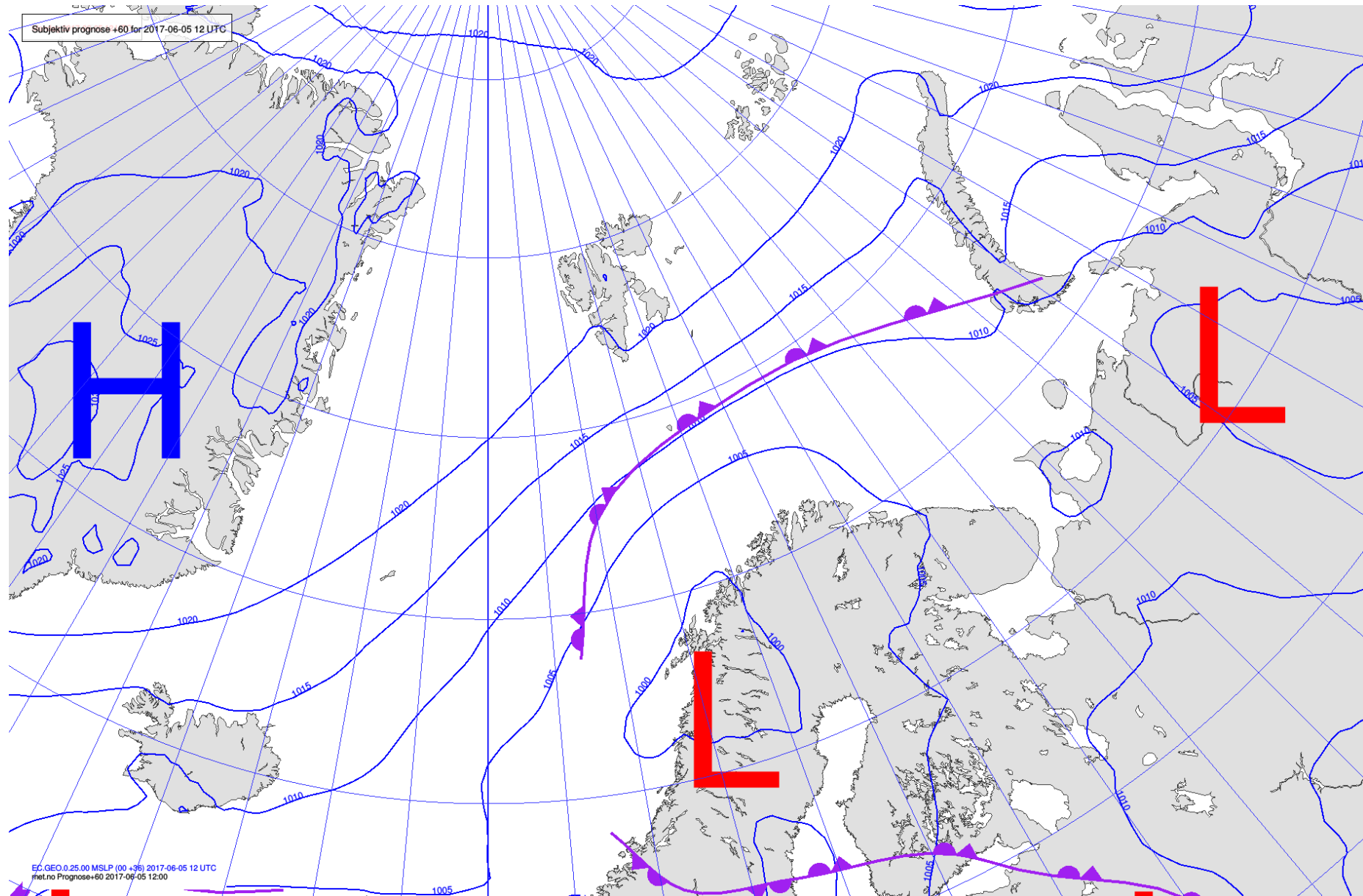
☆ RV Polarstern 4 June 81.95° N, 10.46° E



# Flight Day

**Sun 04 June 2017**

# General Situation Mon 05 June 2017 – 12 UTC



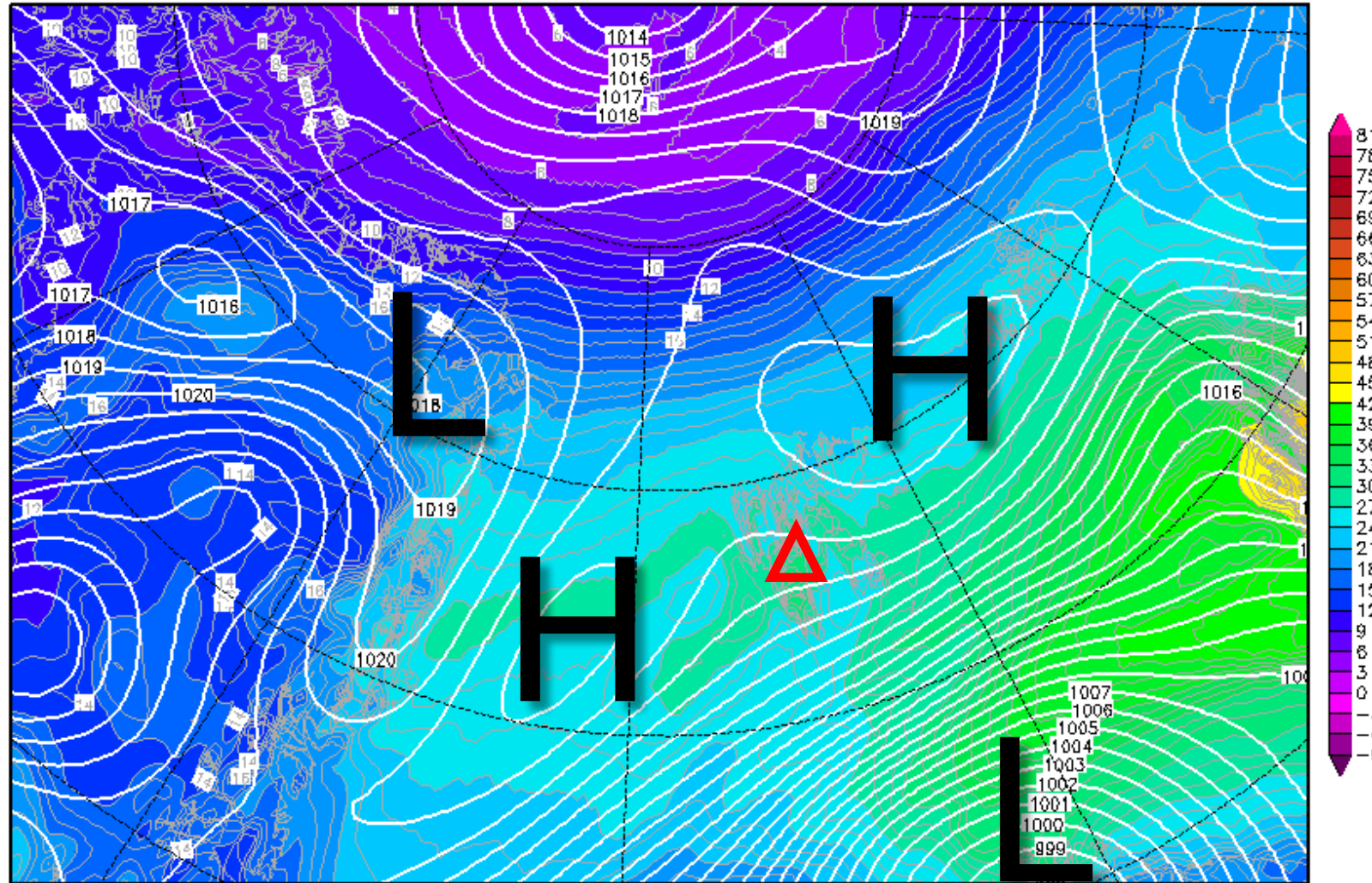


# 850-hPa Theta Equiv. 05 June 2017 @ 12 UTC

Init : Sun,04JUN2017 00Z

Valid: Mon,05JUN2017 12Z

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



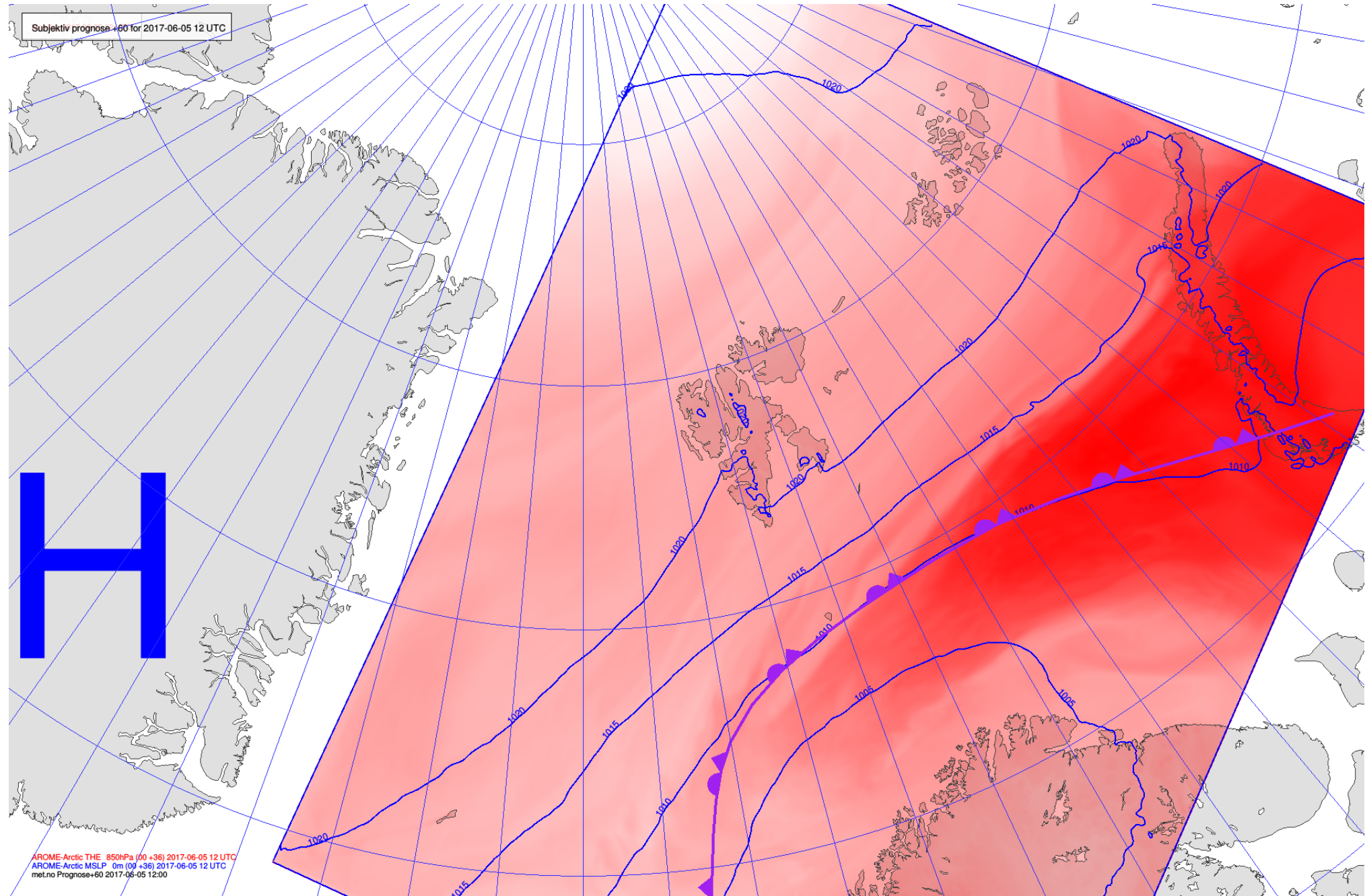
Daten: GFS-Modell des amerikanischen Wetterdienstes

(C) Wetterzentrale

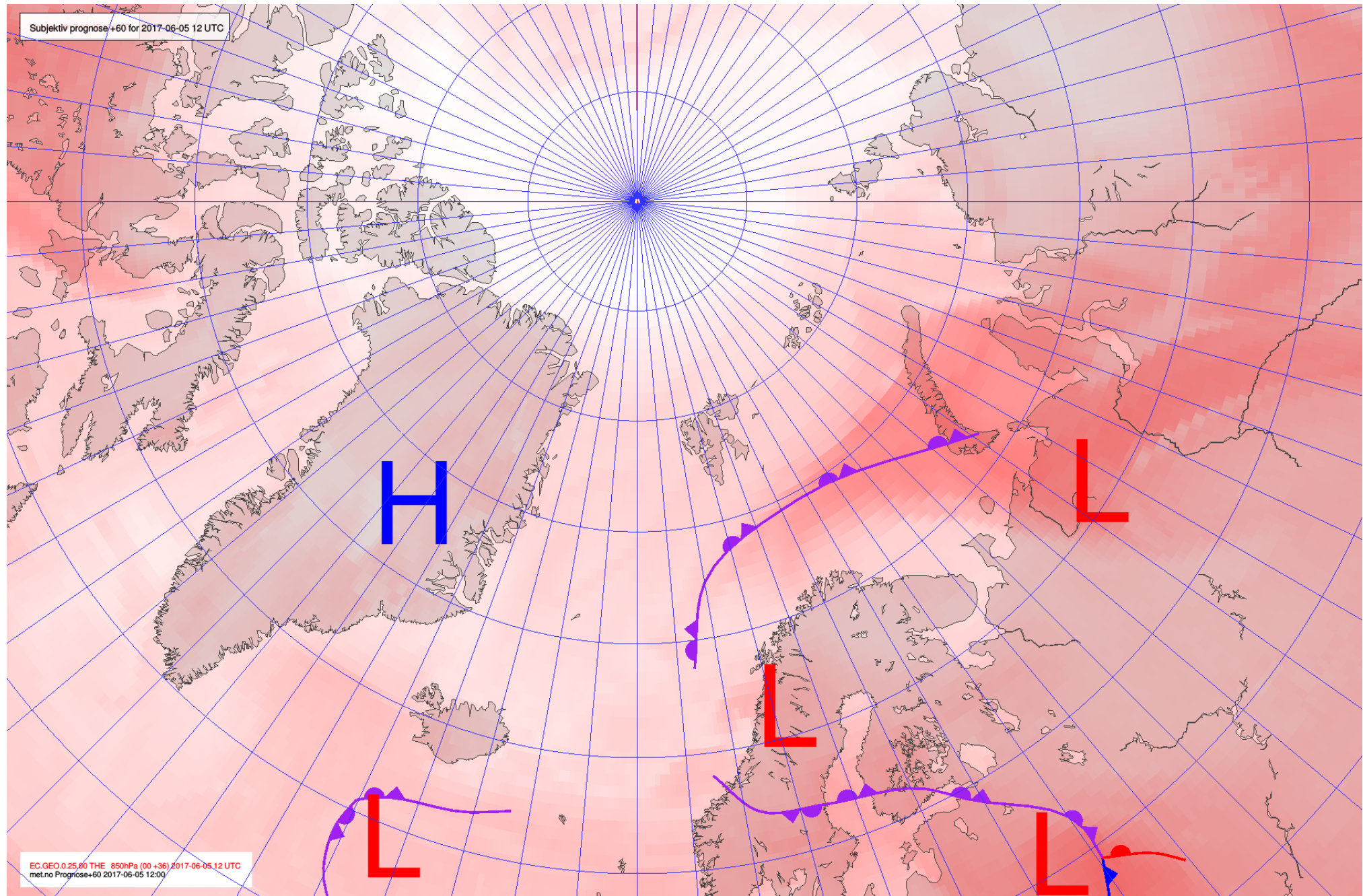
[www.wetterzentrale.de](http://www.wetterzentrale.de)



# Theta Ae 850hPa Mon 5 June 2017 12 UTC



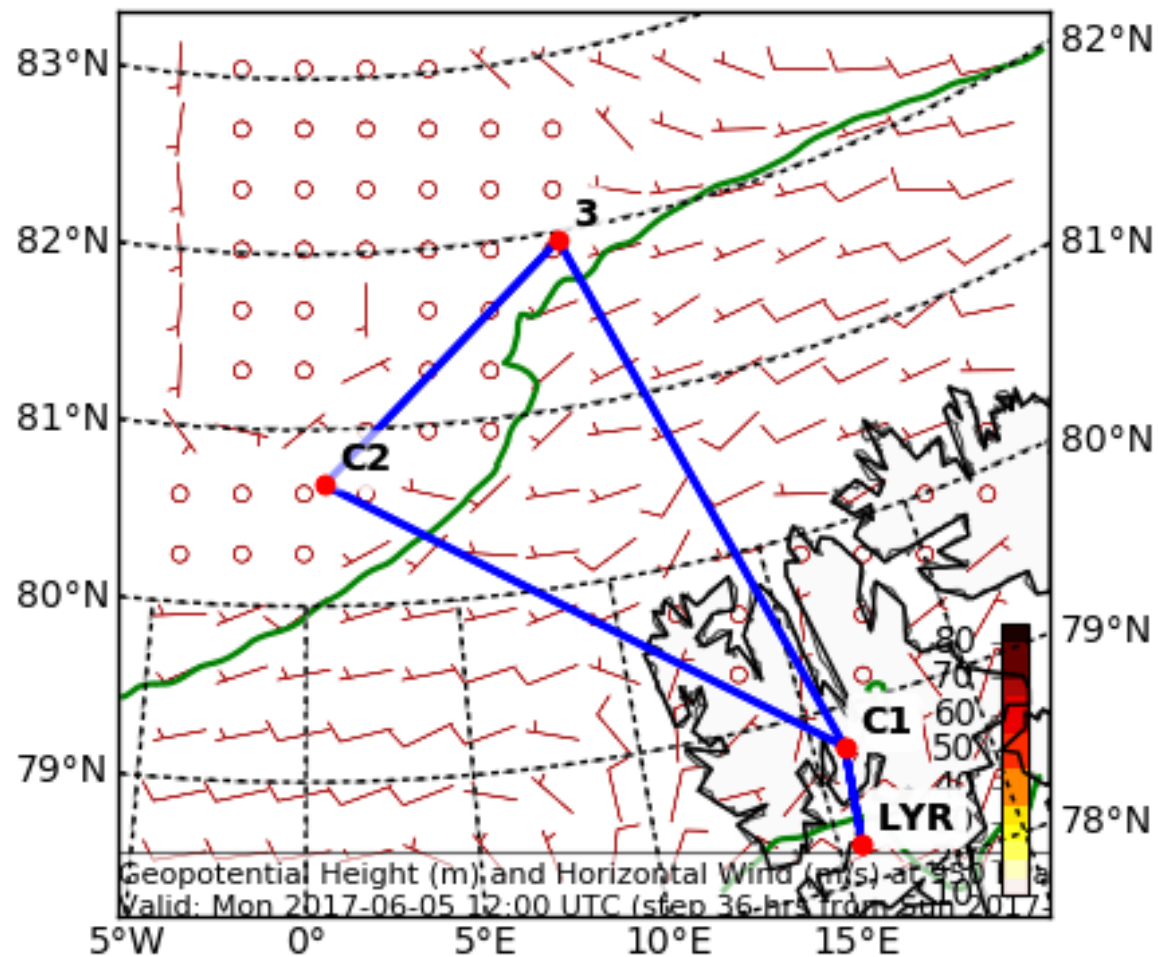
# Theta Ae 850 hPa Mon 5 June 2017 12 UTC



# Wind

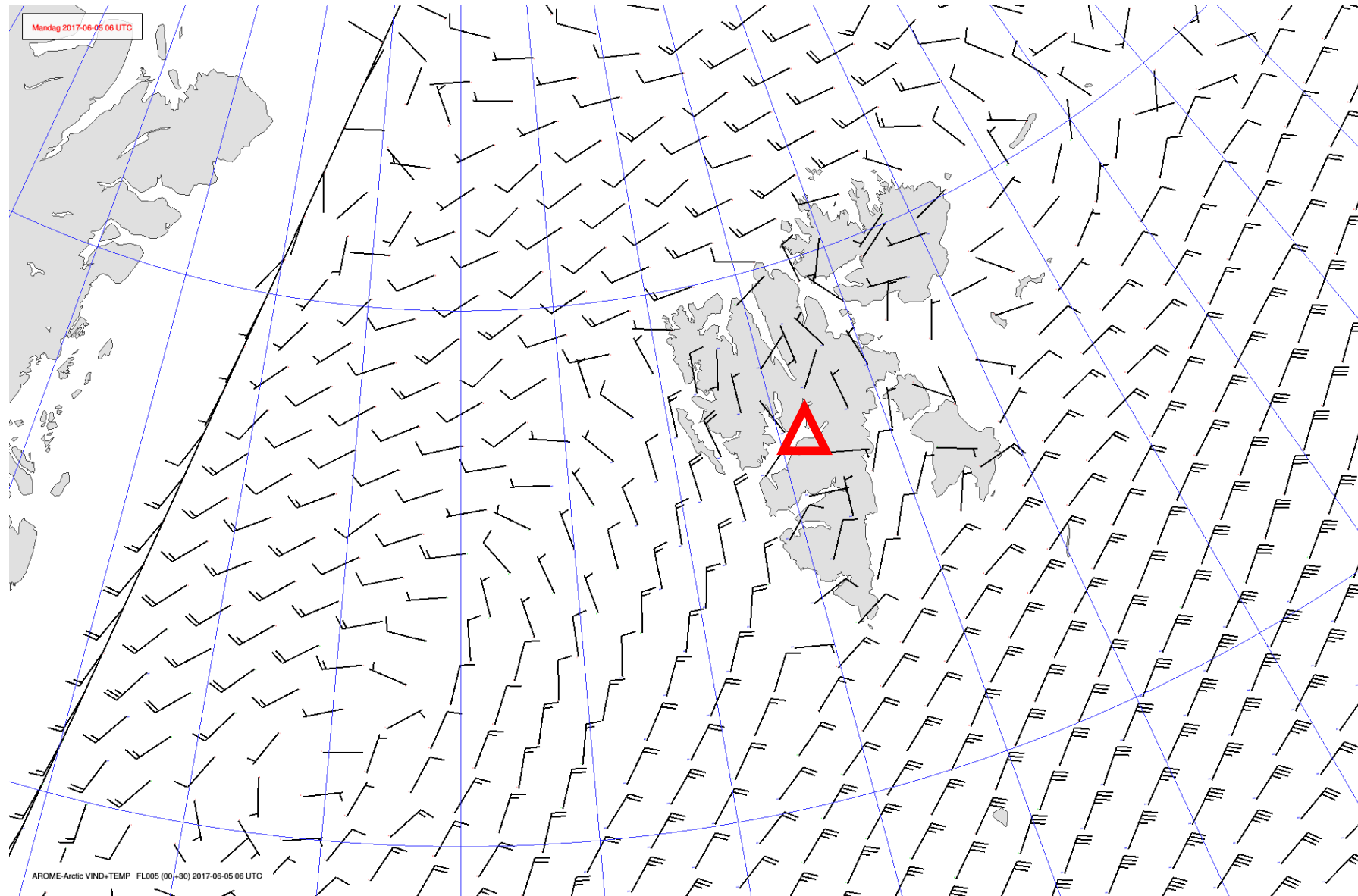
Tomorrow 12 UTC

Geopotential Height (m) and Horizontal Wind (m/s) (Wind Speed 10-85 m/s)  
Valid: Mon 2017-06-05 12:00 UTC (step 36 hrs from Sun 2017-06-04 00:00 UTC)

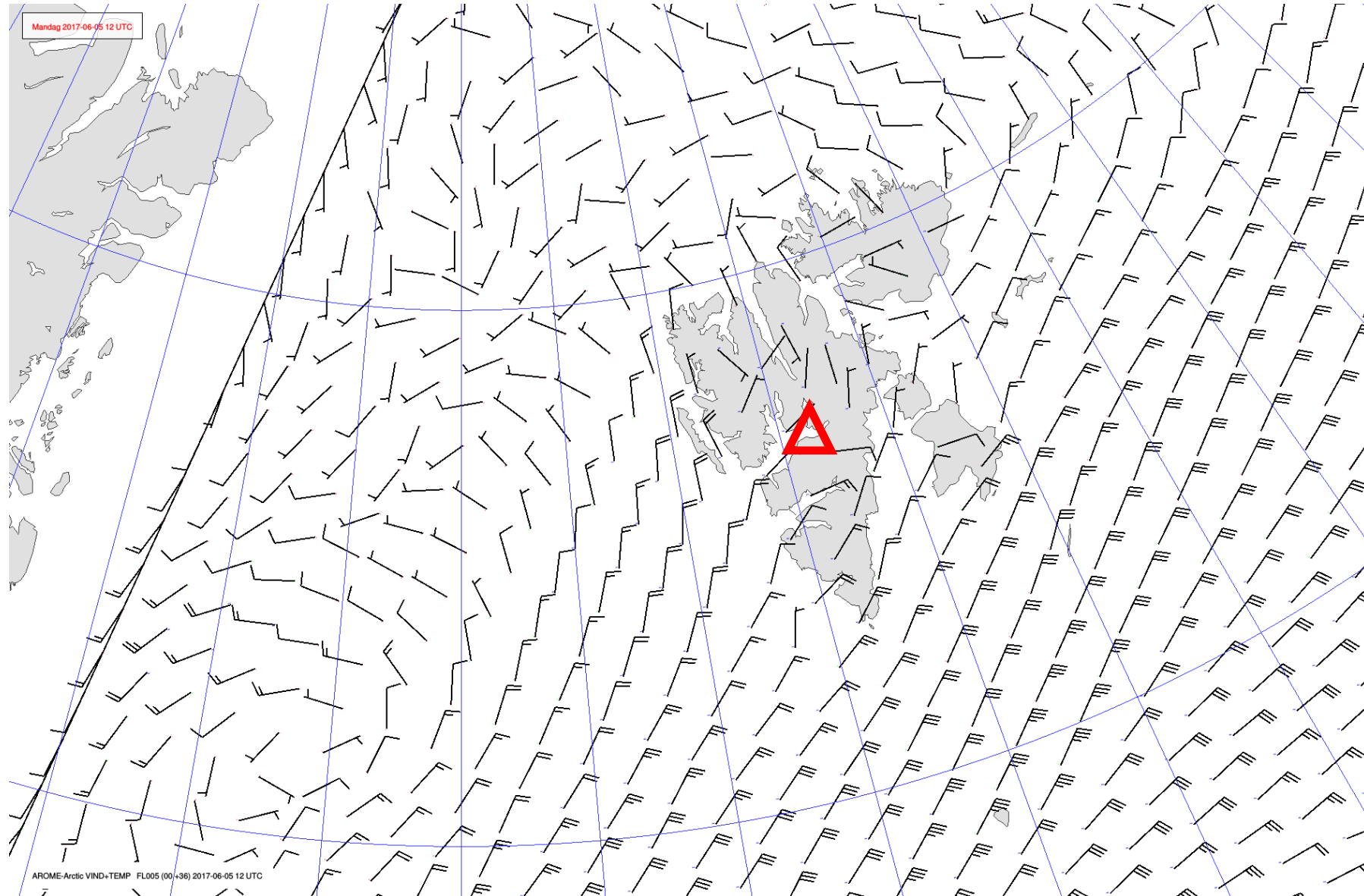




# FL005 Wind 05 June 2017 @ 06 UTC

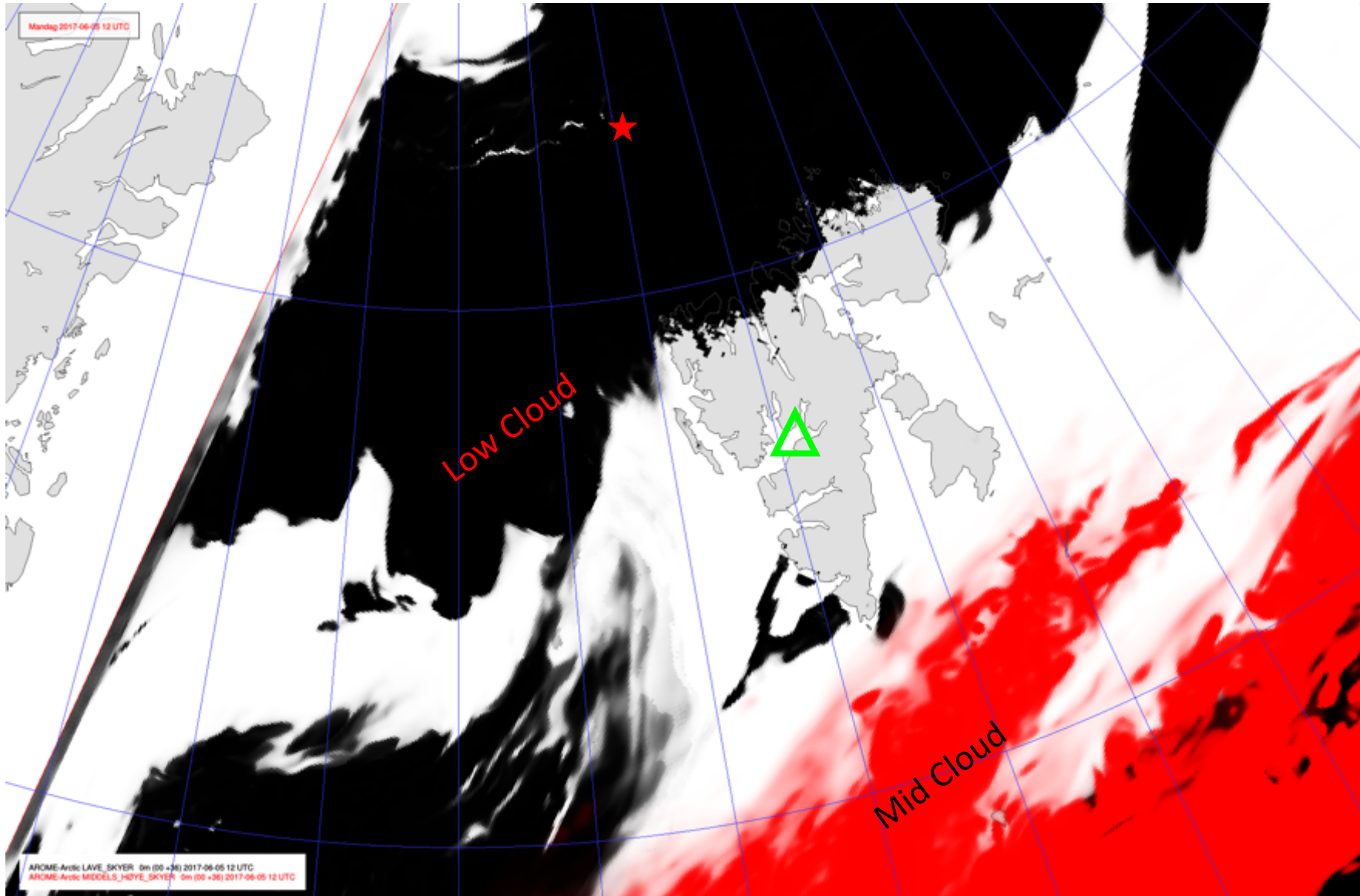


# FL005 Wind 05 June 2017 @ 12 UTC



# Low-level cloud cover 05 June 2017 @ 12 UTC

★ RV Polarstern (81.95° N, 10.46° E)



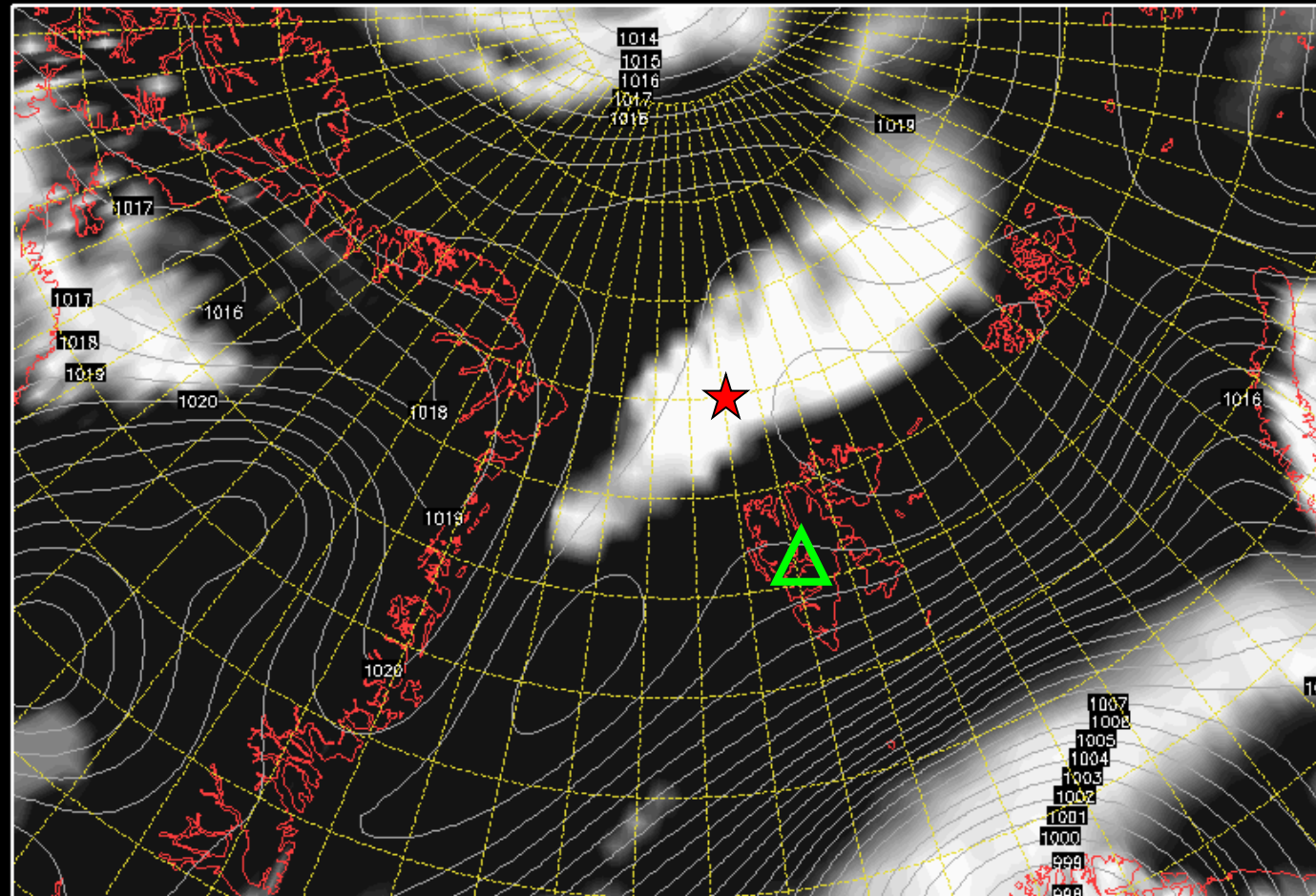
# Low-level cloud cover 05 June 2017 @ 12 UTC

★ RV Polarstern (81.95° N, 10.46° E)

Init : Sun,04JUN2017 00Z

Valid: Mon,05JUN2017 12Z

Bodendruck, Tiefe Wolken und Grenzschicht-Wolken in %



Daten: GFS-Modell des amerikanischen Wetterdienstes

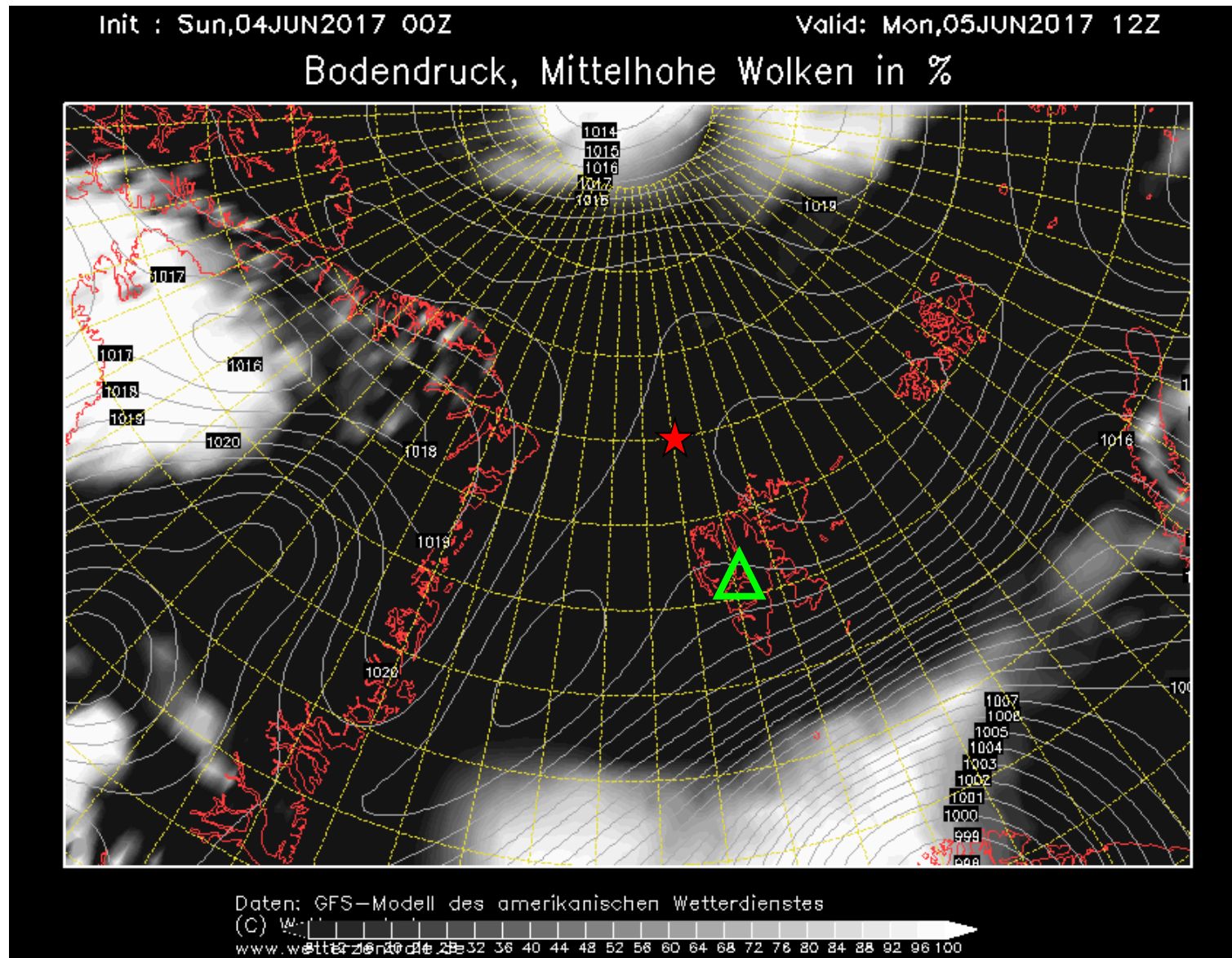
(C) W. J.

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 05 June 2017 @ 12 UTC

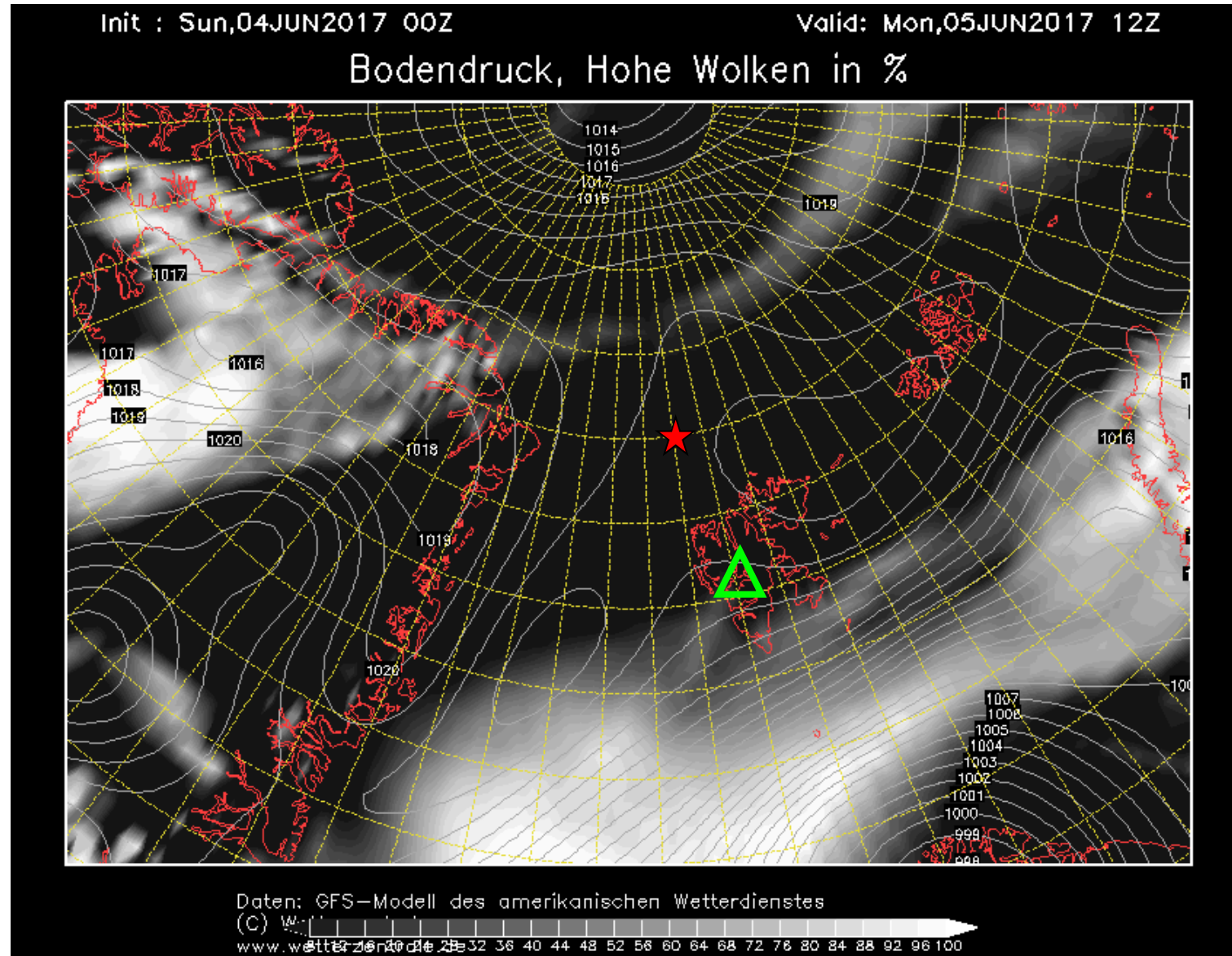
★ RV Polarstern (81.96° N, 10.19° E)





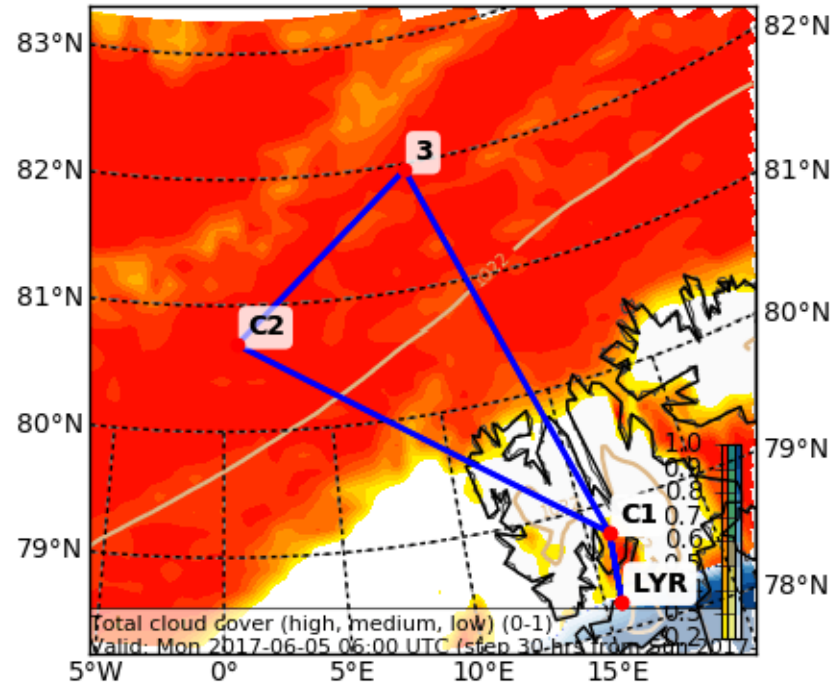
# High-level cloud cover 05 June 2017 @ 12 UTC

★ RV Polarstern (81.96° N, 10.19° E)

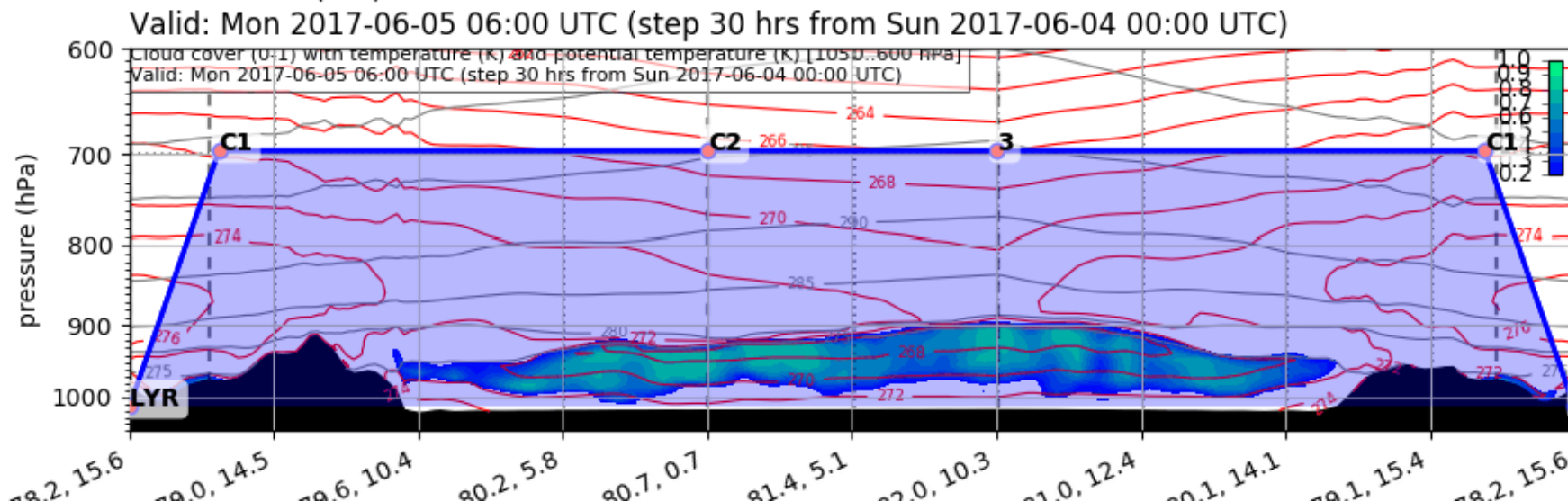


# Forecast Tomorrow 06 UTC

Cloud Cover (0-1) (Total Cloud Cover)  
Valid: Mon 2017-06-05 06:00 UTC (step 30 hrs from Sun 2017-06-04 00:00 UTC)

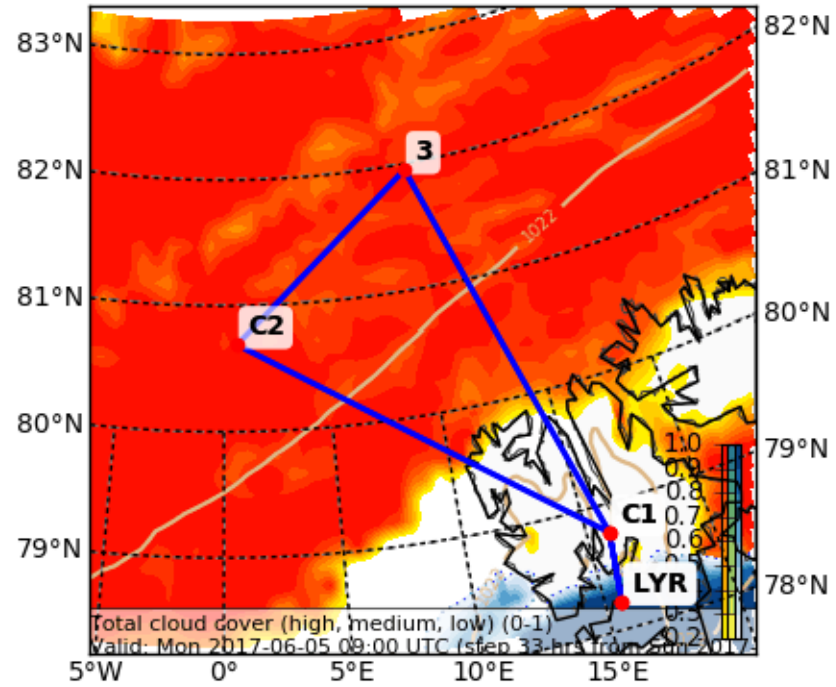


EPSG:77790000

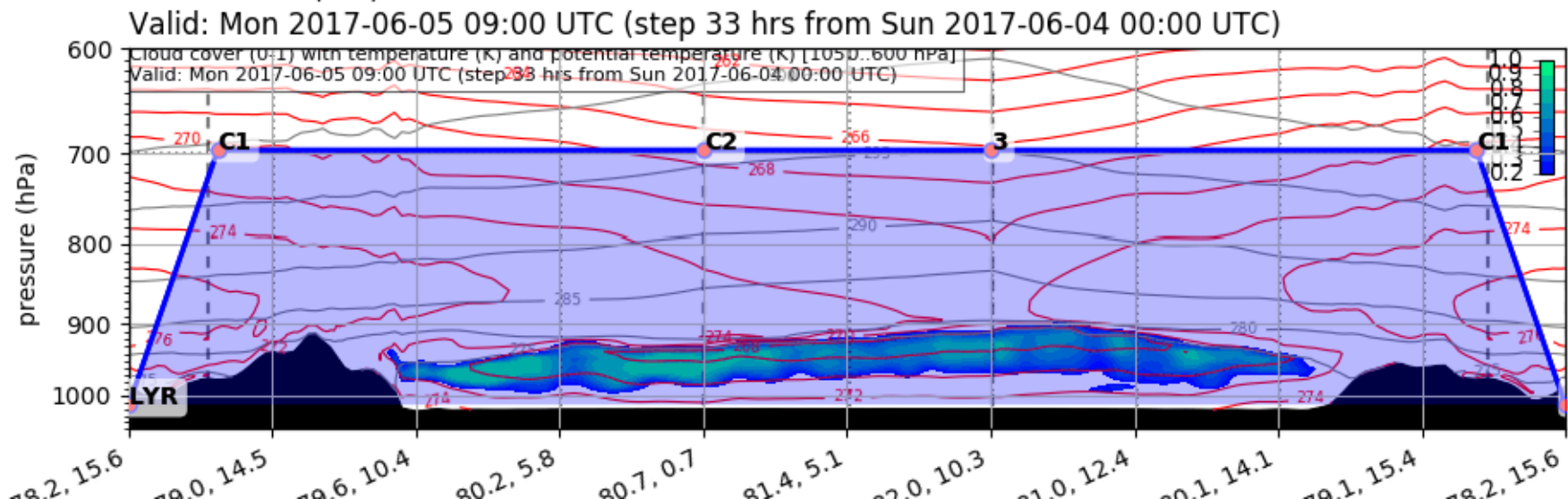


# Forecast Tomorrow 09 UTC

Cloud Cover (0-1) (Total Cloud Cover)  
Valid: Mon 2017-06-05 09:00 UTC (step 33 hrs from Sun 2017-06-04 00:00 UTC)

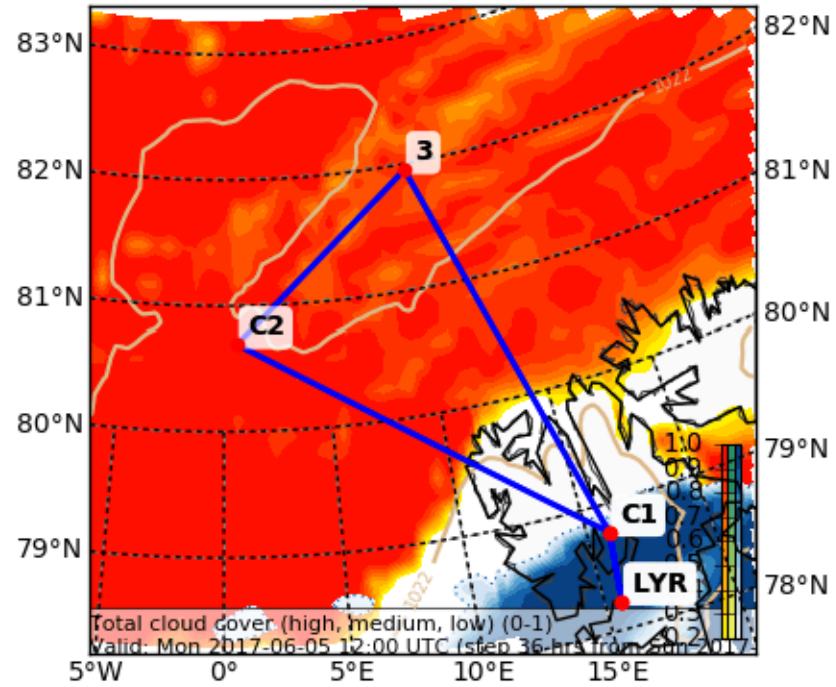


EPSG:77790000

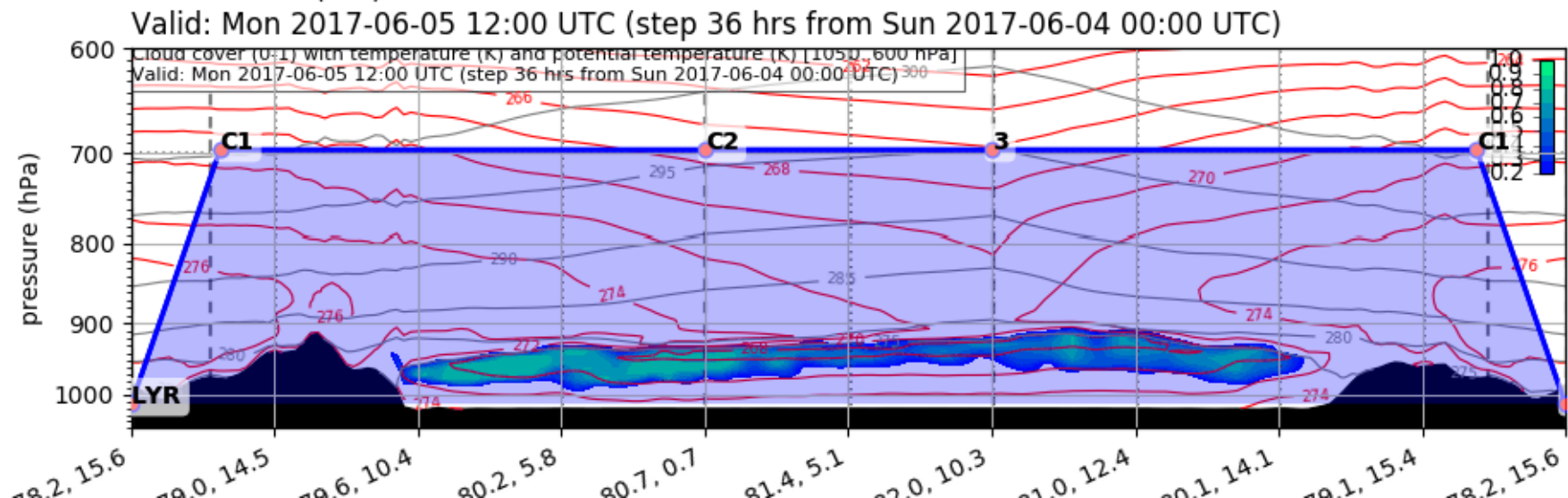


# Forecast Tomorrow 12 UTC

Cloud Cover (0-1) (Total Cloud Cover)  
Valid: Mon 2017-06-05 12:00 UTC (step 36 hrs from Sun 2017-06-04 00:00 UTC)



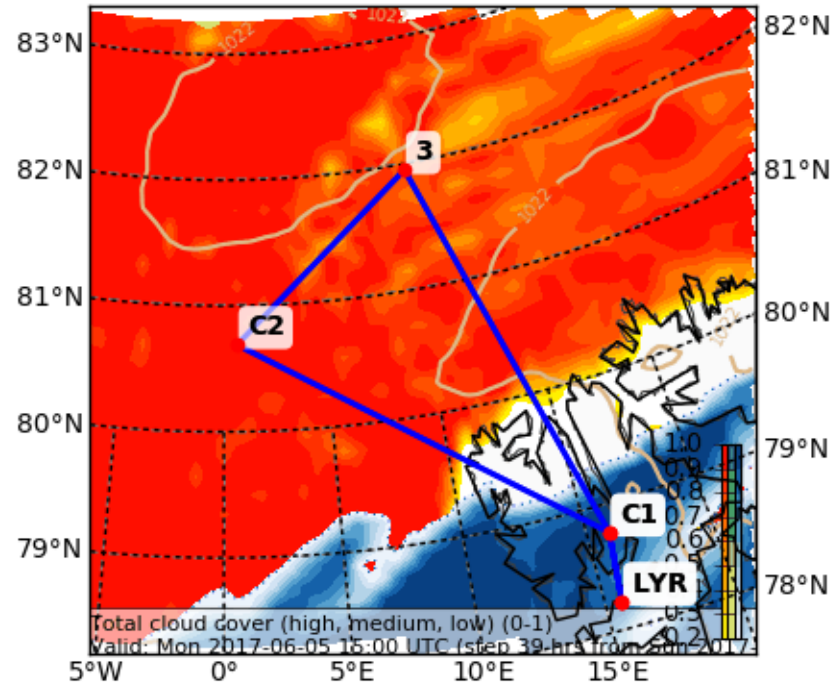
EPSG:77790000



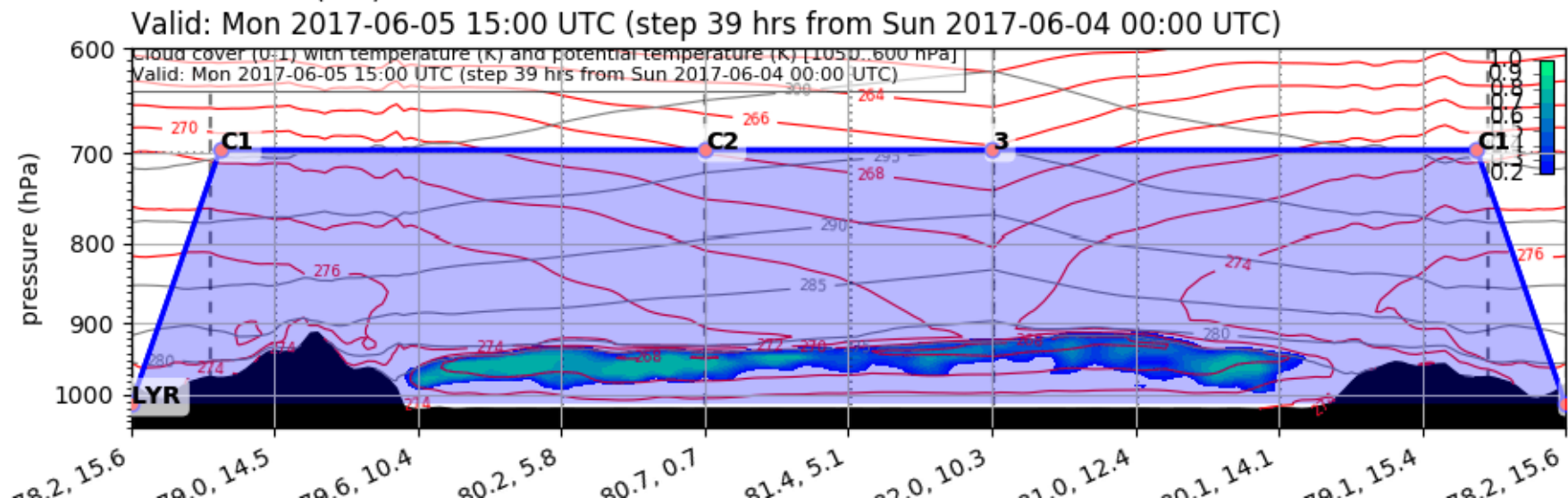


# Forecast Tomorrow 15 UTC

Cloud Cover (0-1) (Total Cloud Cover)  
Valid: Mon 2017-06-05 15:00 UTC (step 39 hrs from Sun 2017-06-04 00:00 UTC)

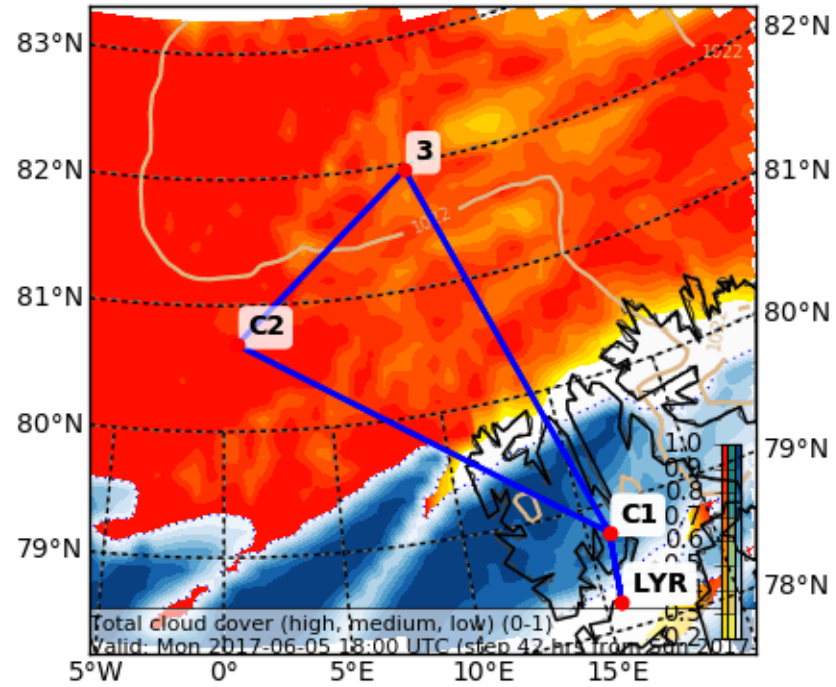


EPSG:77790000

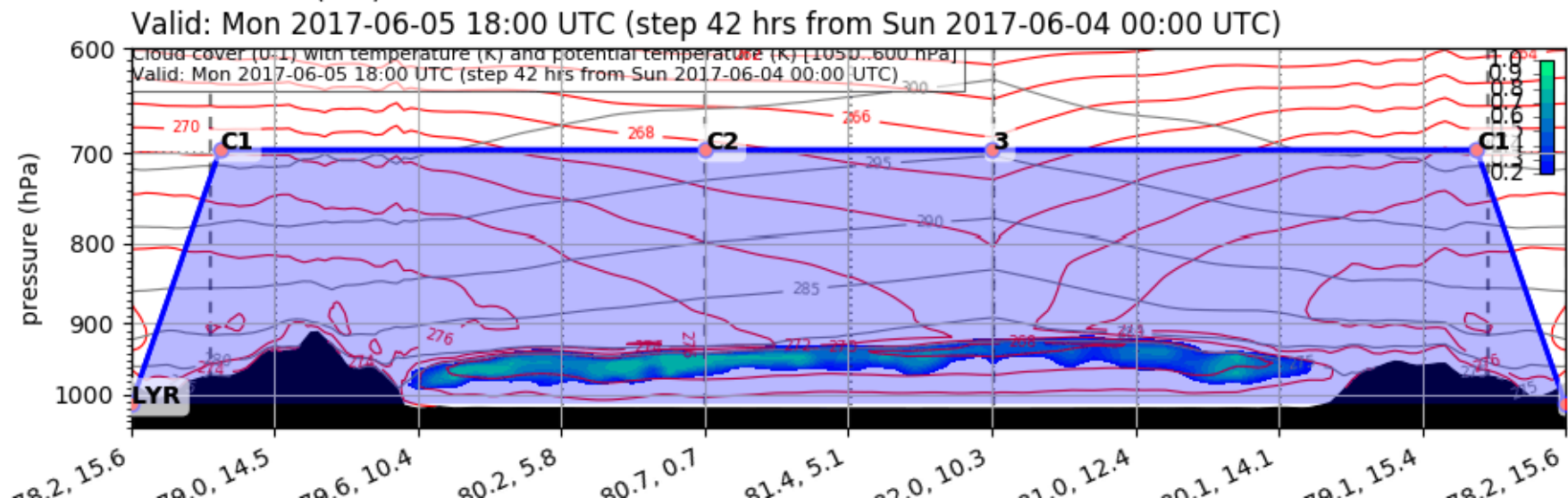


# Forecast Tomorrow 18 UTC

Cloud Cover (0-1) (Total Cloud Cover)  
Valid: Mon 2017-06-05 18:00 UTC (step 42 hrs from Sun 2017-06-04 00:00 UTC)



EPSG:77790000

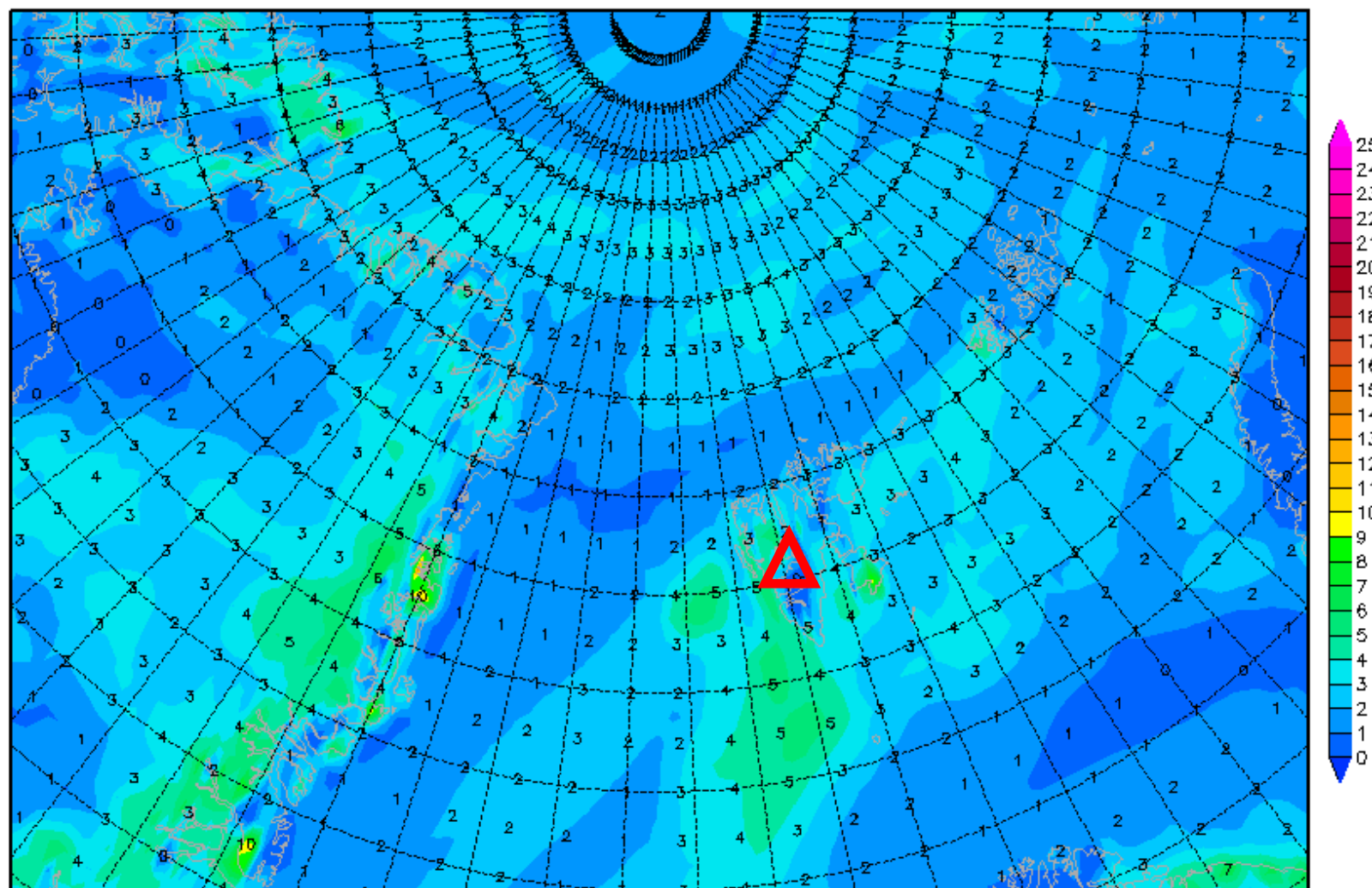


# 2-m dew point diff. 5 June 2017 @ 12 UTC

Init : Sun,04JUN2017 00Z

Valid: Mon,05JUN2017 12Z

*2m (Temperatur-Taupunkt)*



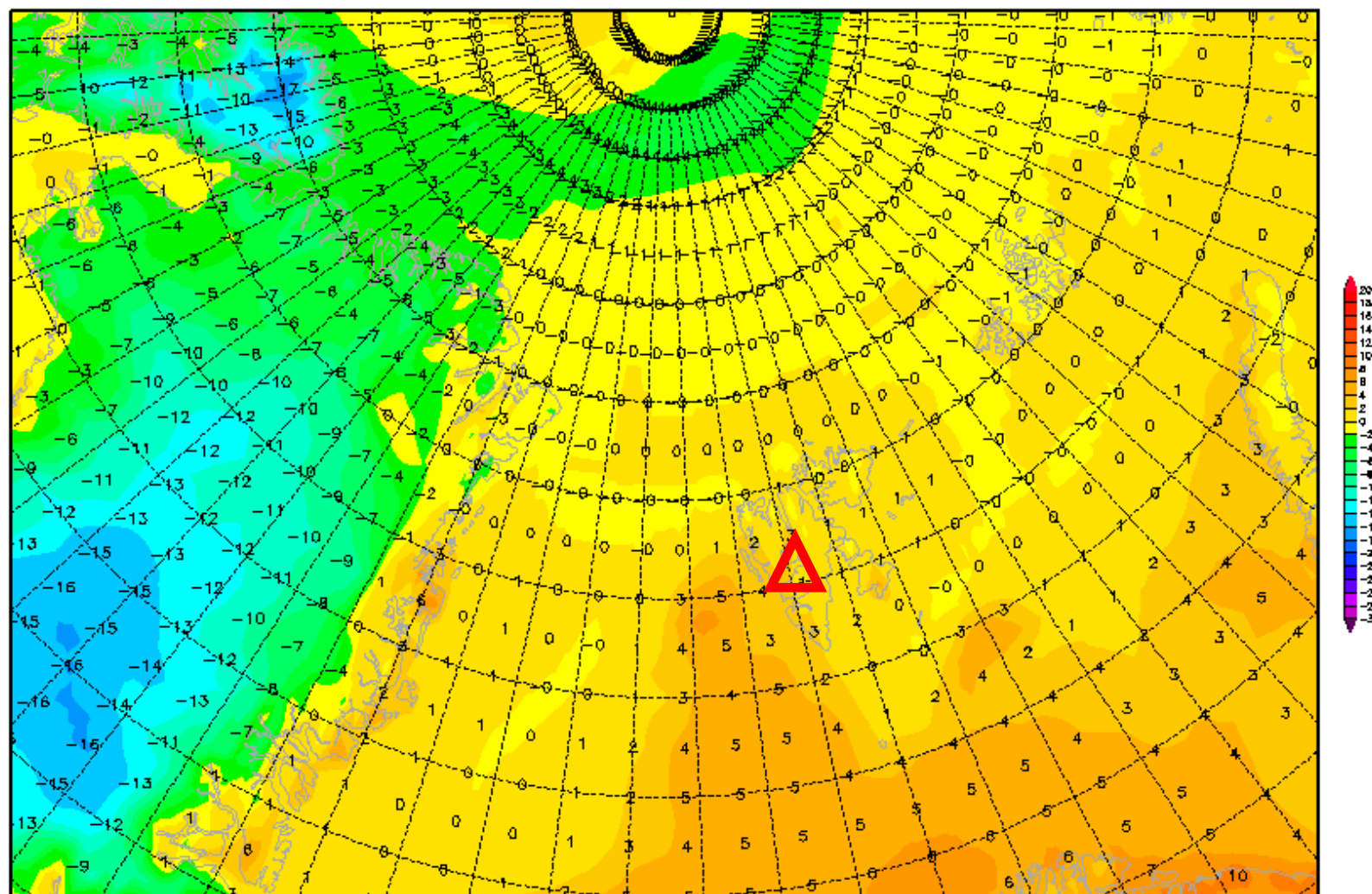
Daten: GFS  
(C) Wetterzentrale  
[www.wetterzentrale.de](http://www.wetterzentrale.de)

# 2-m temperature 5 June 2017 @ 12 UTC

Init : Sun,04JUN2017 00Z

Valid: Mon,05JUN2017 12Z

*2m Temperatur (°C)*

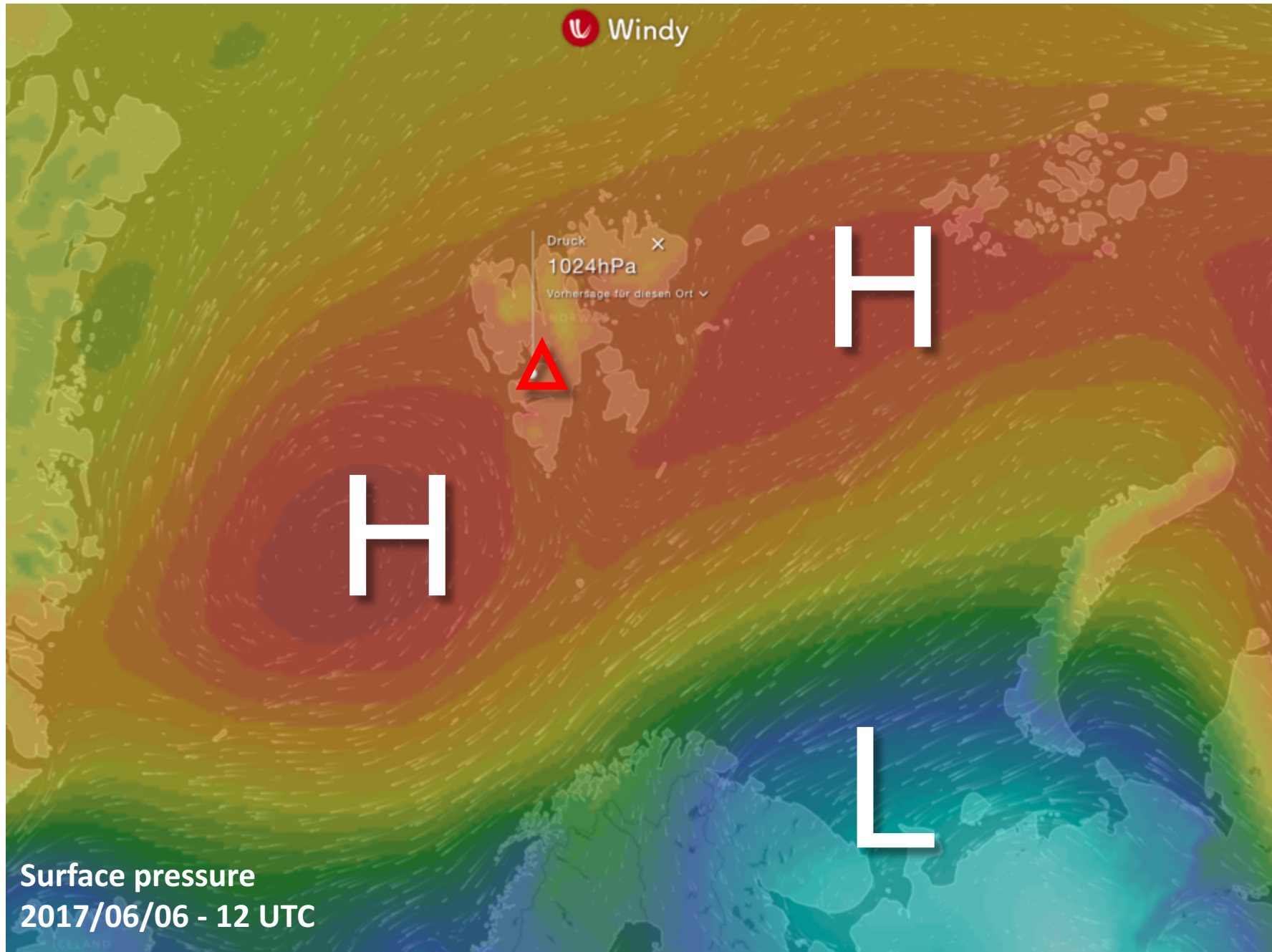




# Outlook

**Tue 6 June – Thu 8 June 2017**

# General Situation Tue 6 June 2017

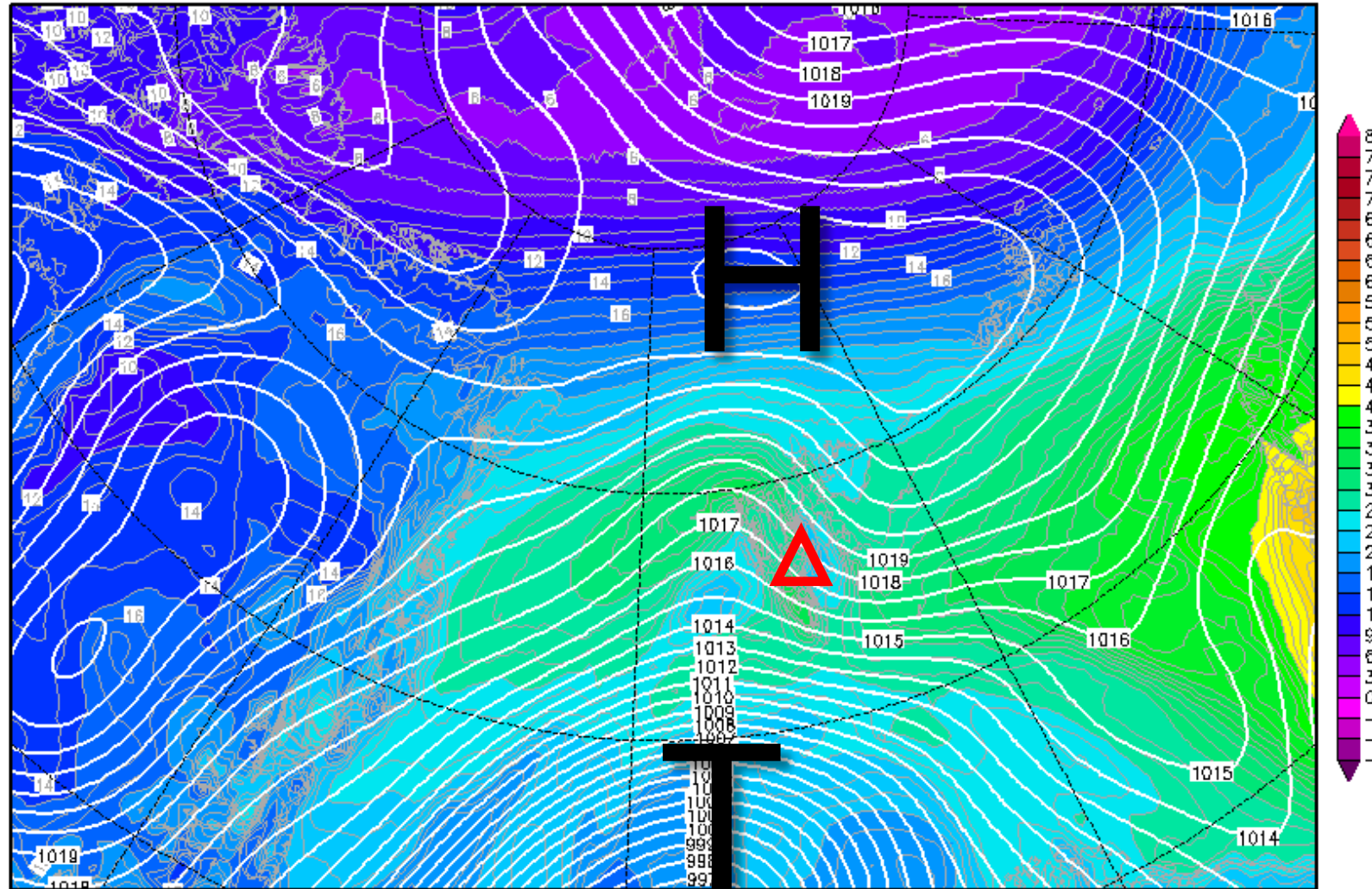


# 850-hPa Theta Equiv. 6 June 2017 @ 12 UTC

Init : Sun,04JUN2017 00Z

Valid: Tue,06JUN2017 12Z

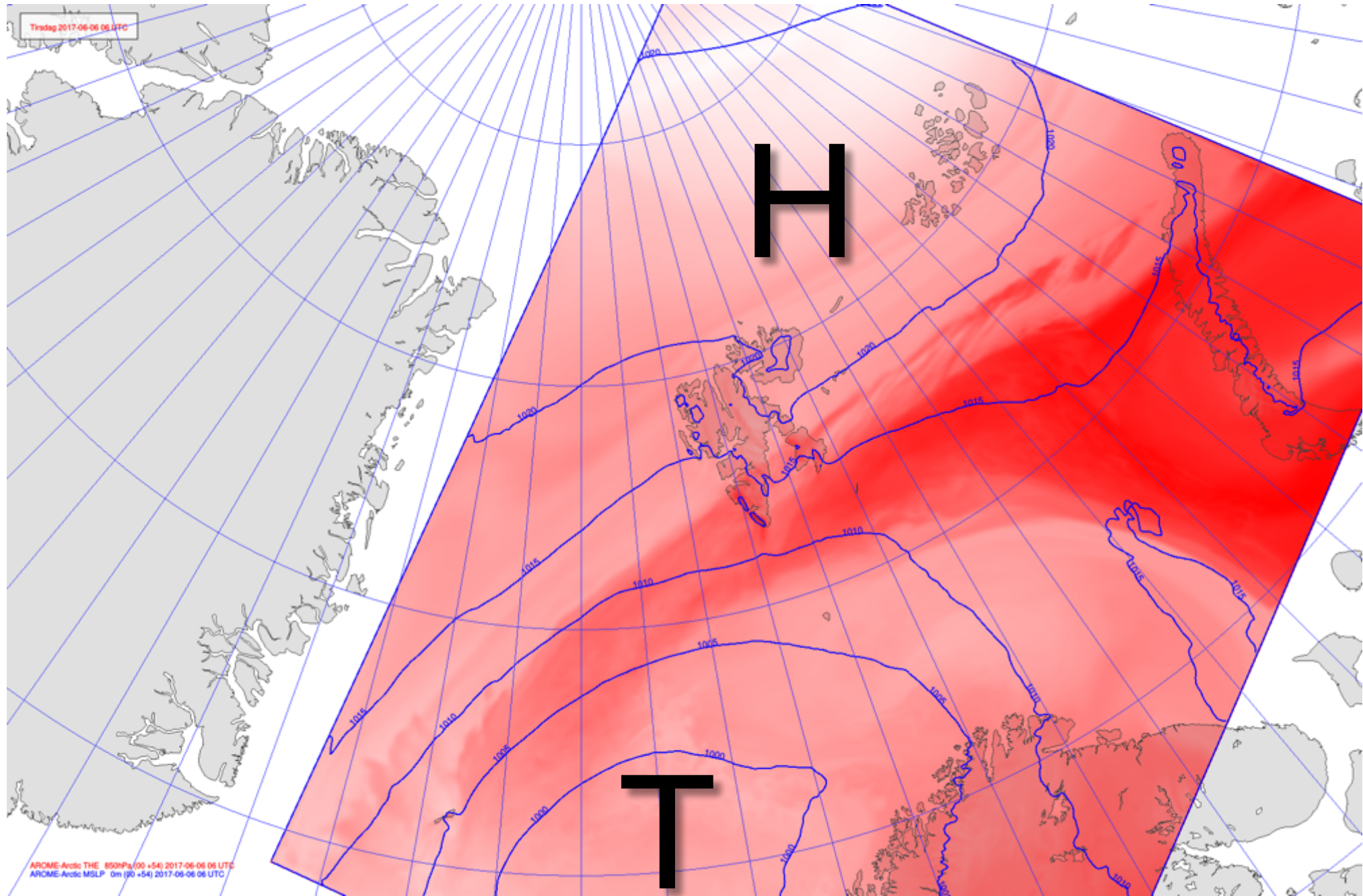
*Bodendruck (hPa) und 850 hPa Aeq.Pot.T. (Grad C)*



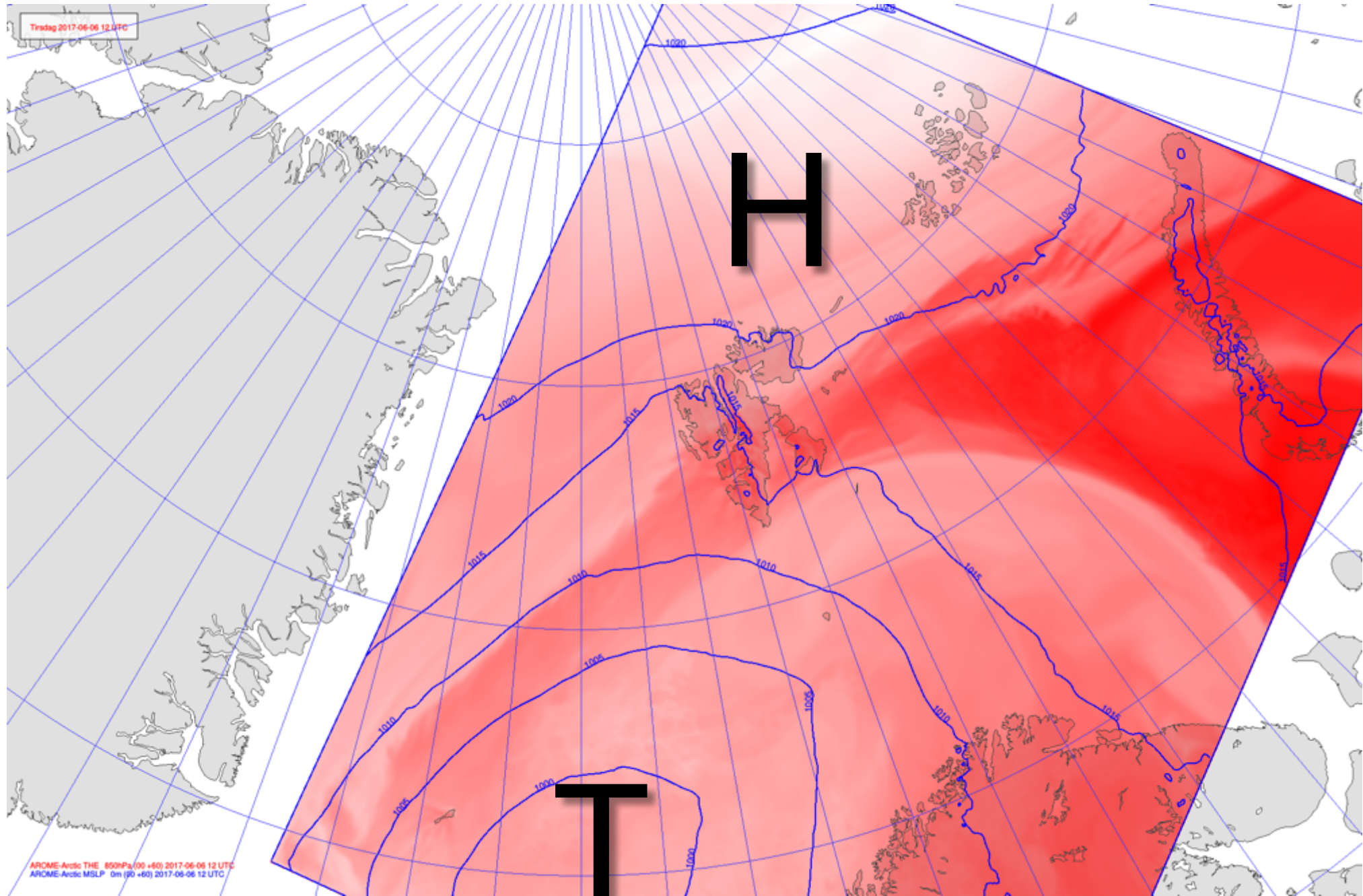
Daten: GFS-Modell des amerikanischen Wetterdienstes  
(C) Wetterzentrale  
[www.wetterzentrale.de](http://www.wetterzentrale.de)



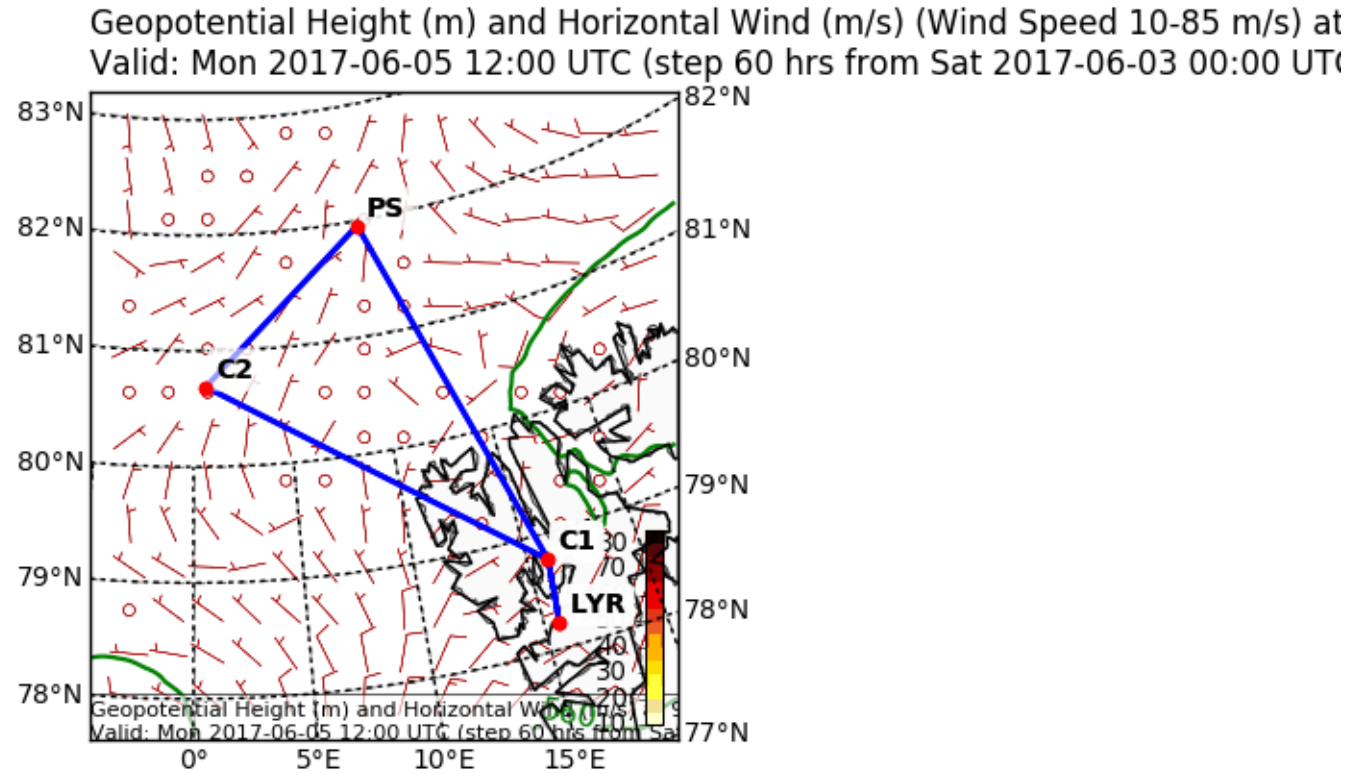
# Theta Ae 850 hPa Tue 6 June 2017 06 UTC



# Theta Ae 850 hPa Tue 6 June 2017 12 UTC



# Wind, After Tomorrow 12 UTC

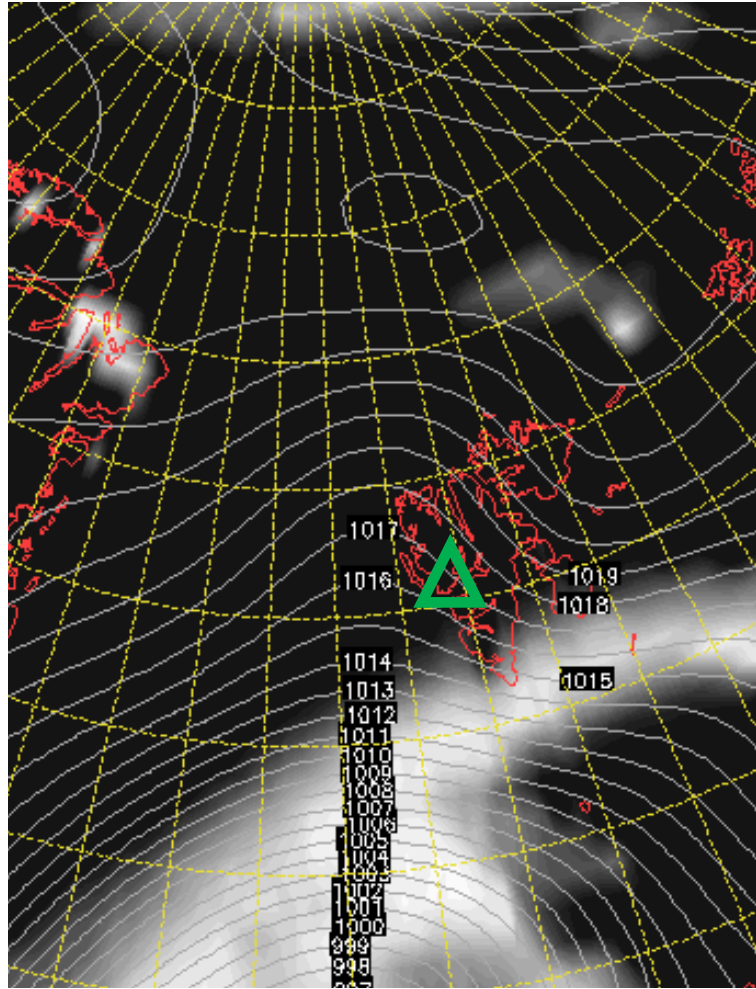


EPSG:77790000

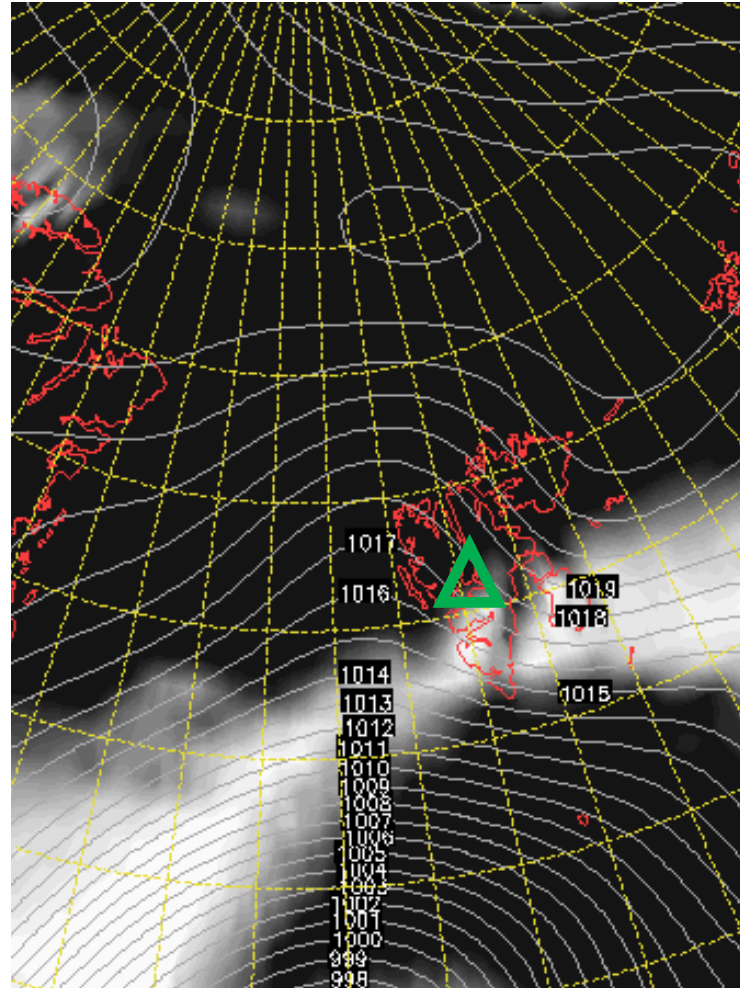


# Cloud Cover 6 June 2017 @ 12 UTC

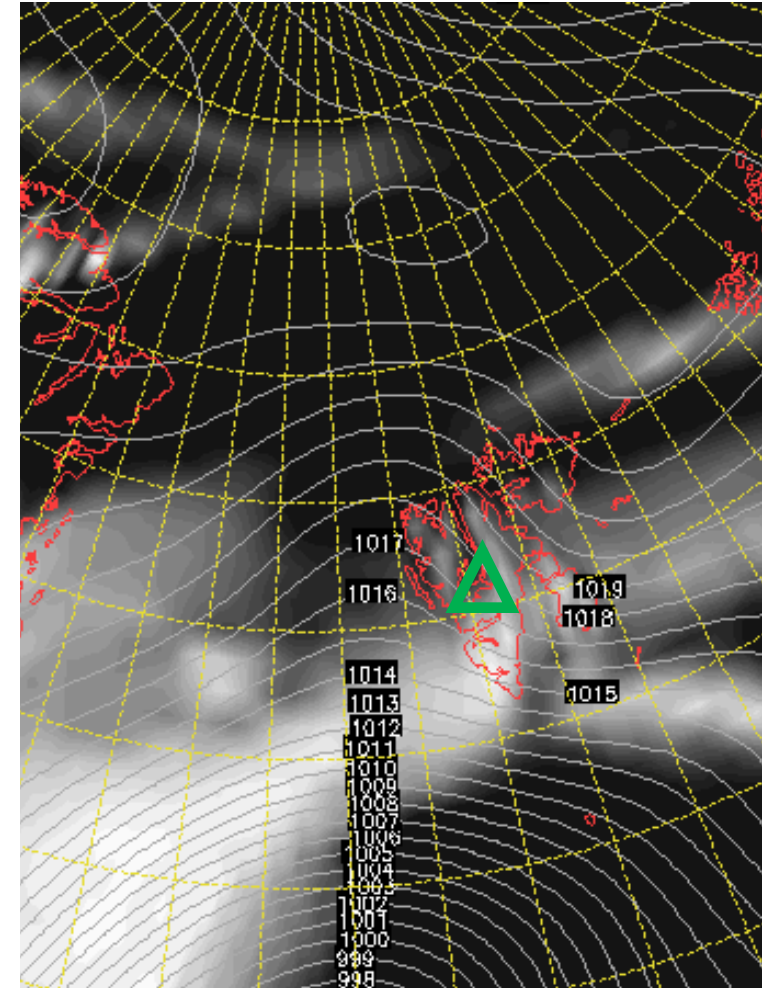
L



M



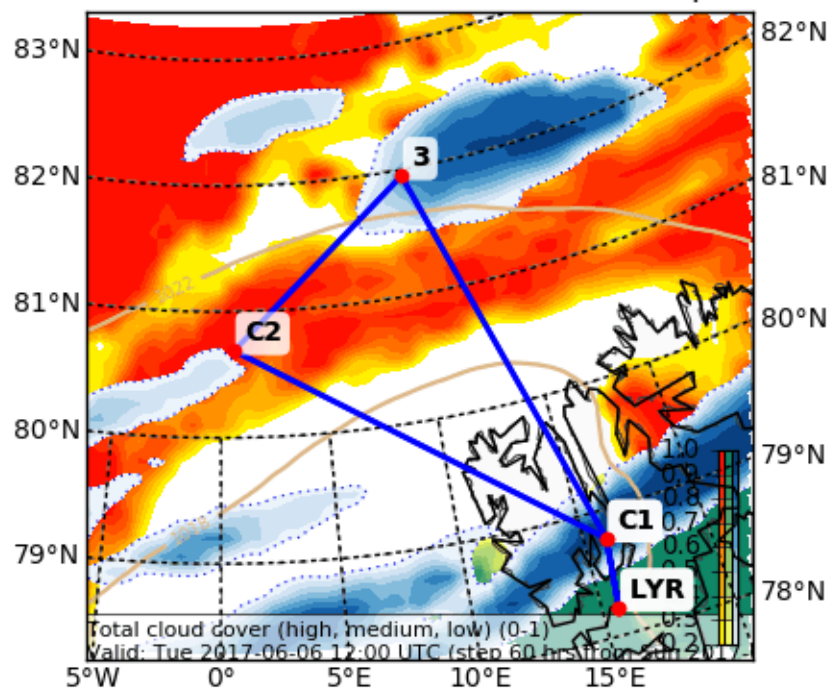
H



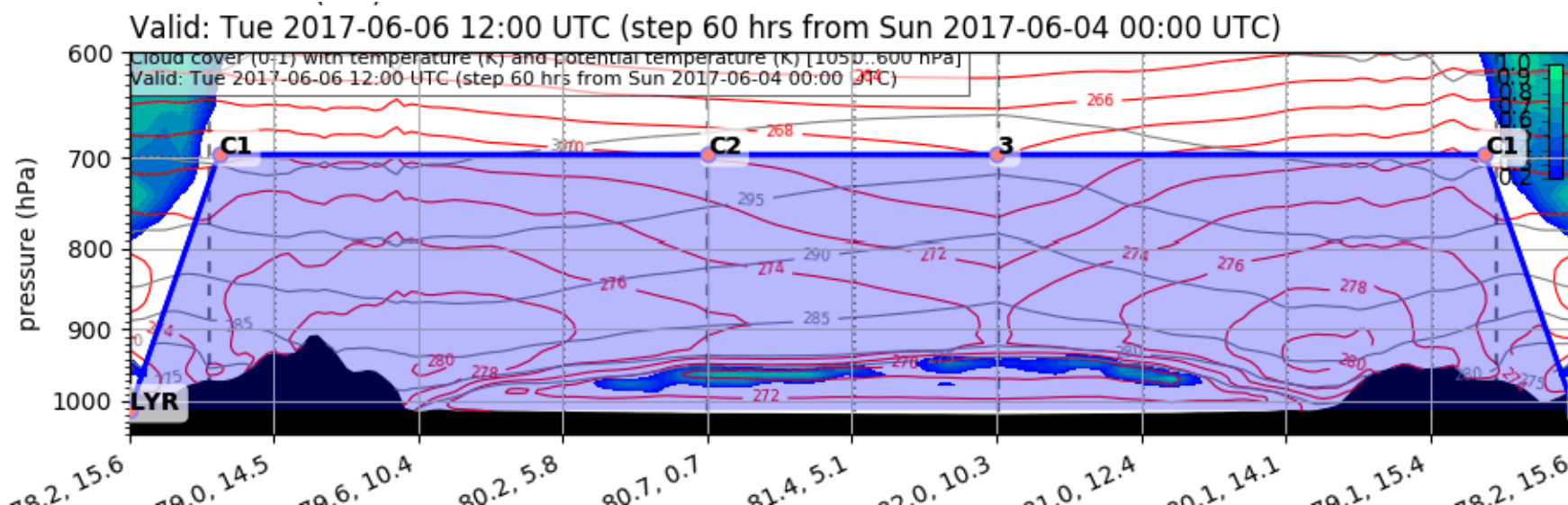
# Forecast

## Tue 07 June 12 UTC

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



EPSG:77790000



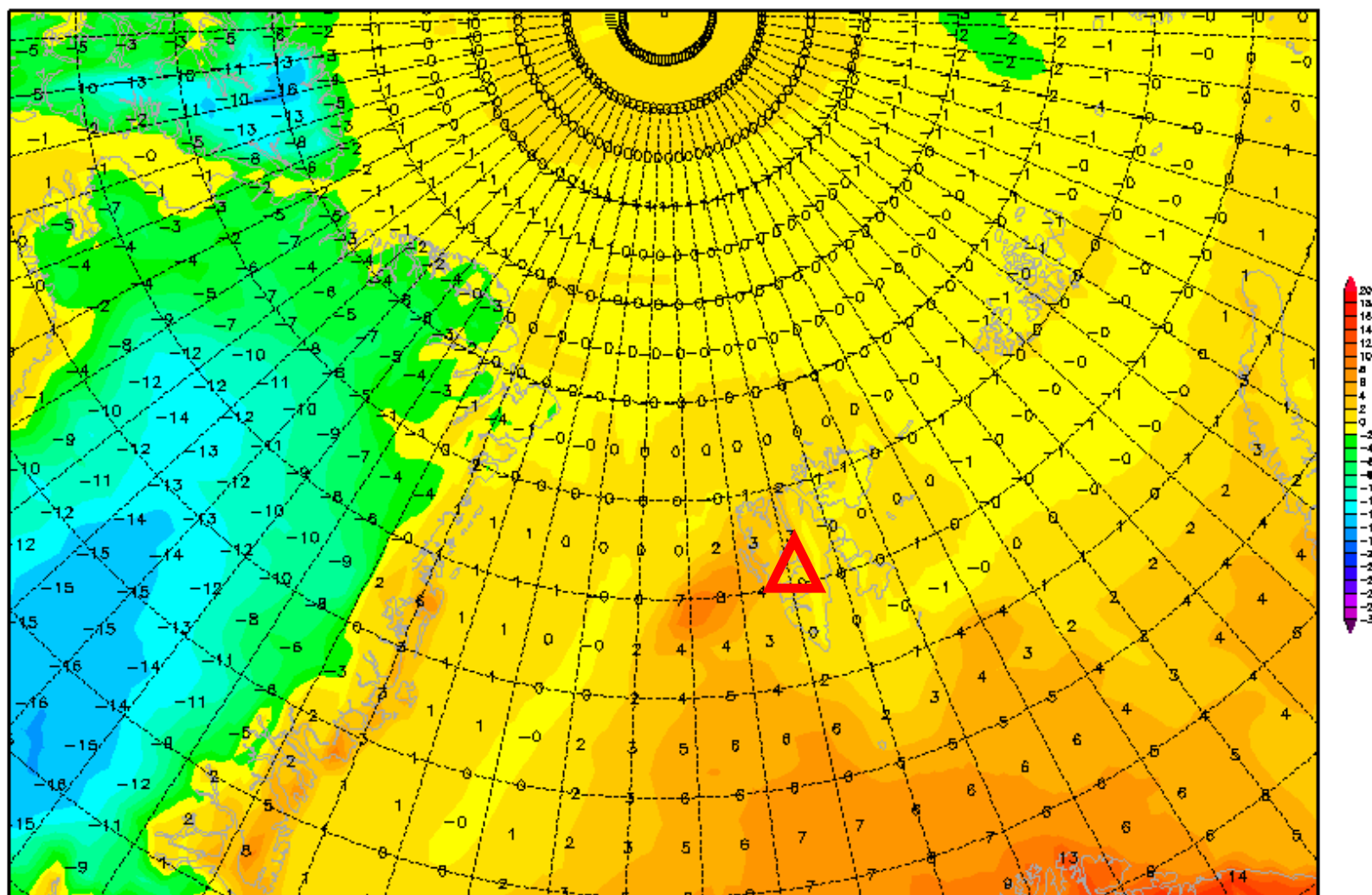


# 2-m temperature 6 June 2017 @ 12 UTC

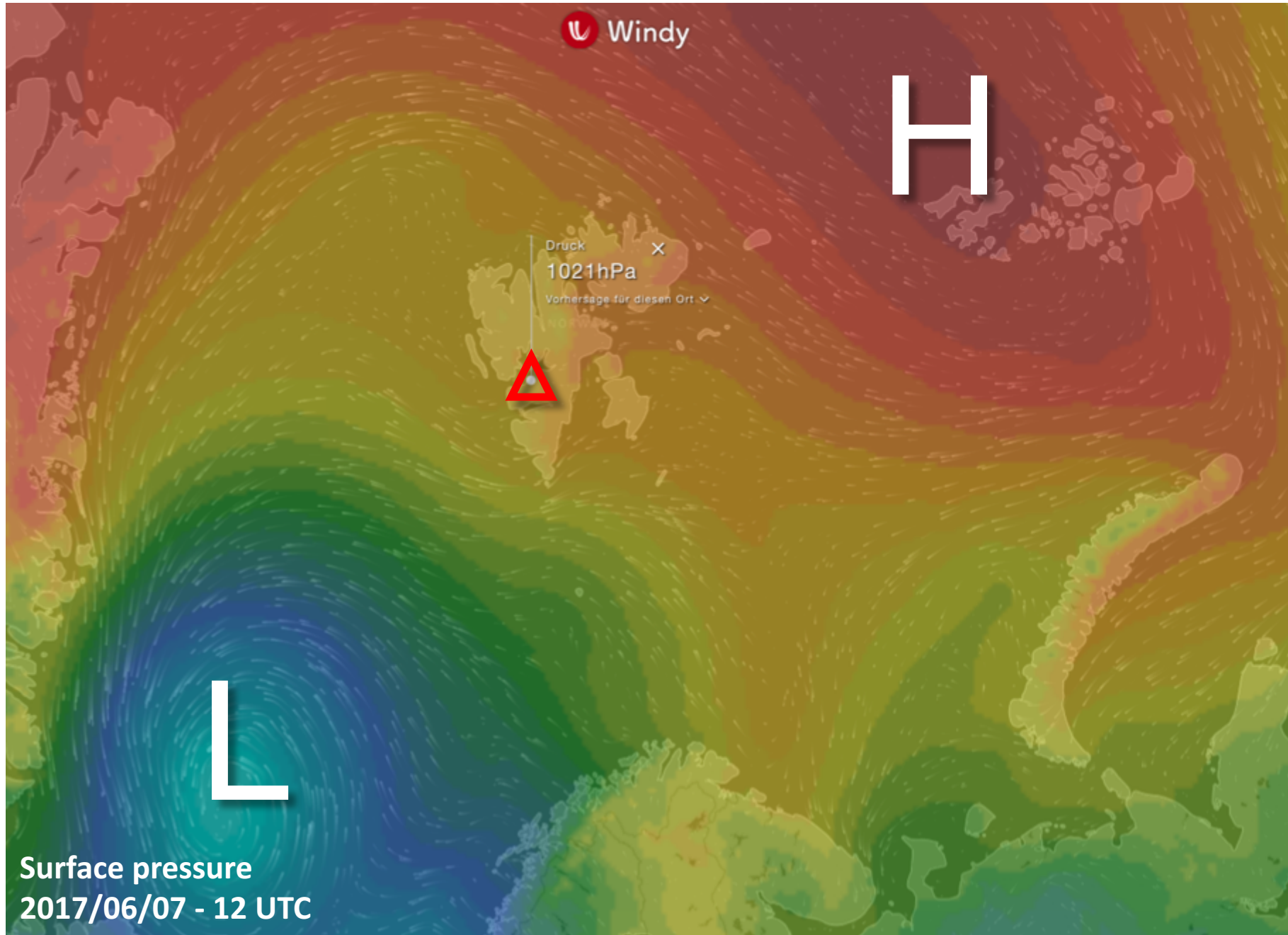
Init : Sun,04JUN2017 00Z

Valid: Tue,06JUN2017 12Z

*2m Temperatur (°C)*



# General Situation Wed 7 June 2017

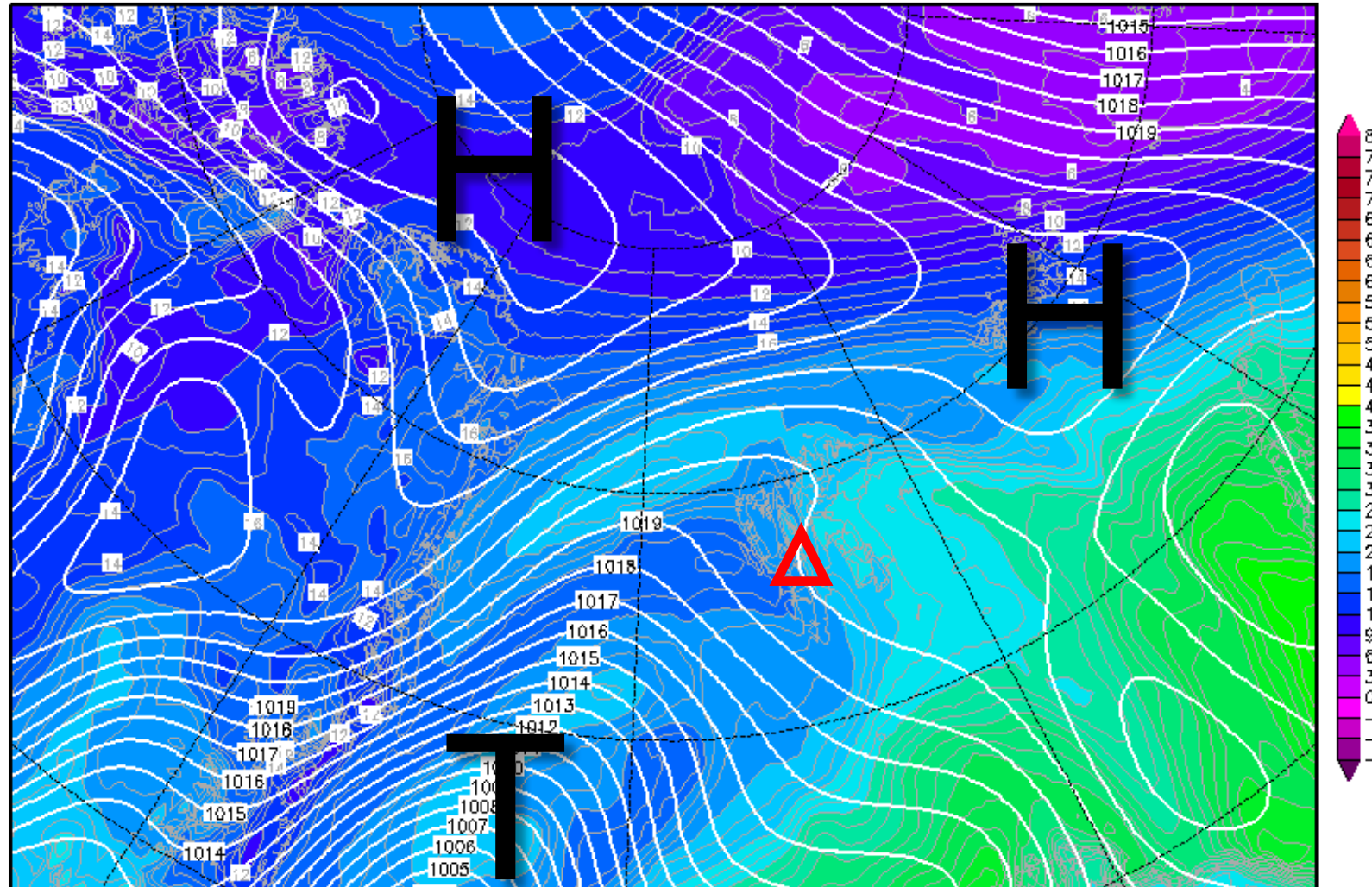


# 850-hPa Theta Equiv. 7 June 2017 @ 12 UTC

Init : Sun,04JUN2017 00Z

Valid: Wed,07JUN2017 12Z

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



Daten: GFS-Modell des amerikanischen Wetterdienstes

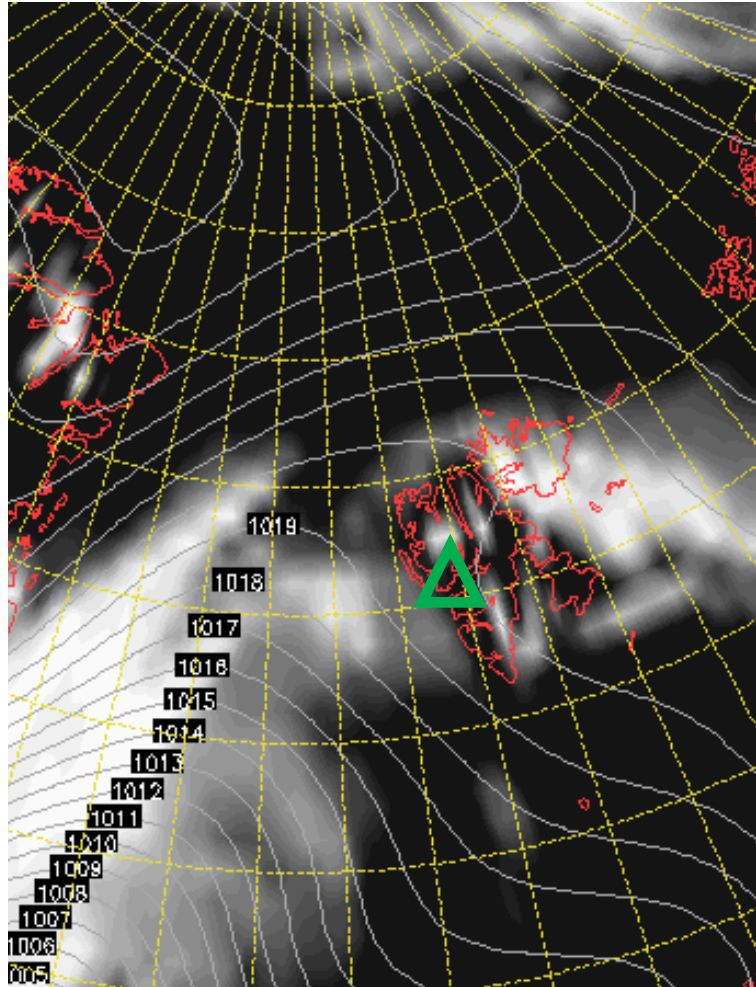
(C) Wetterzentrale

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

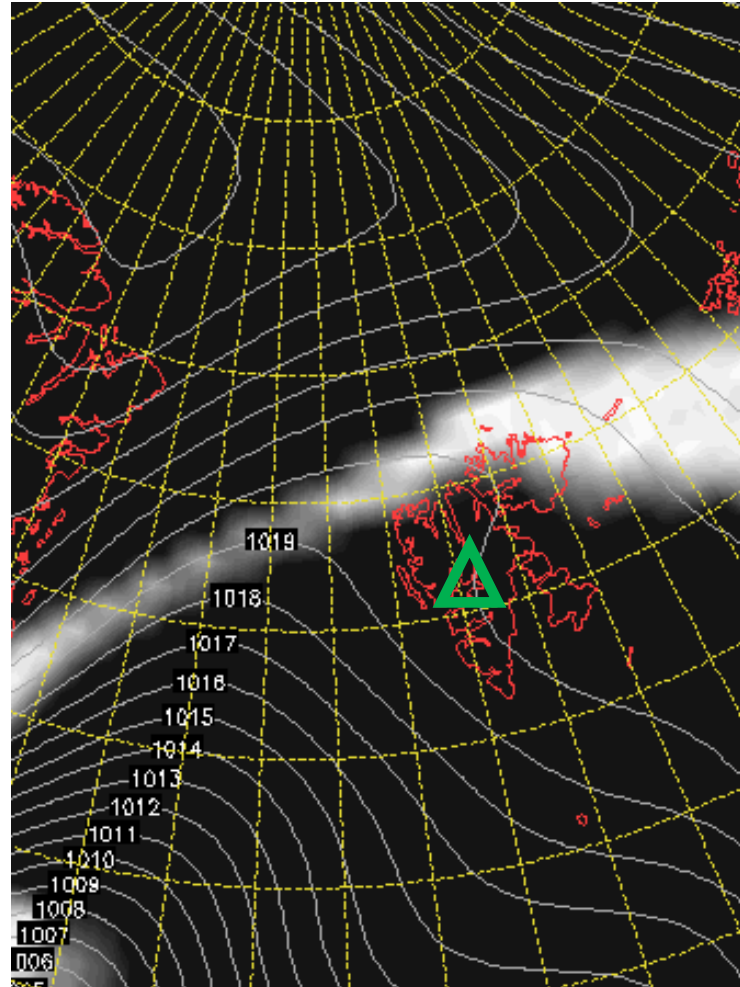


# Cloud Cover 7 June 2017 @ 12 UTC

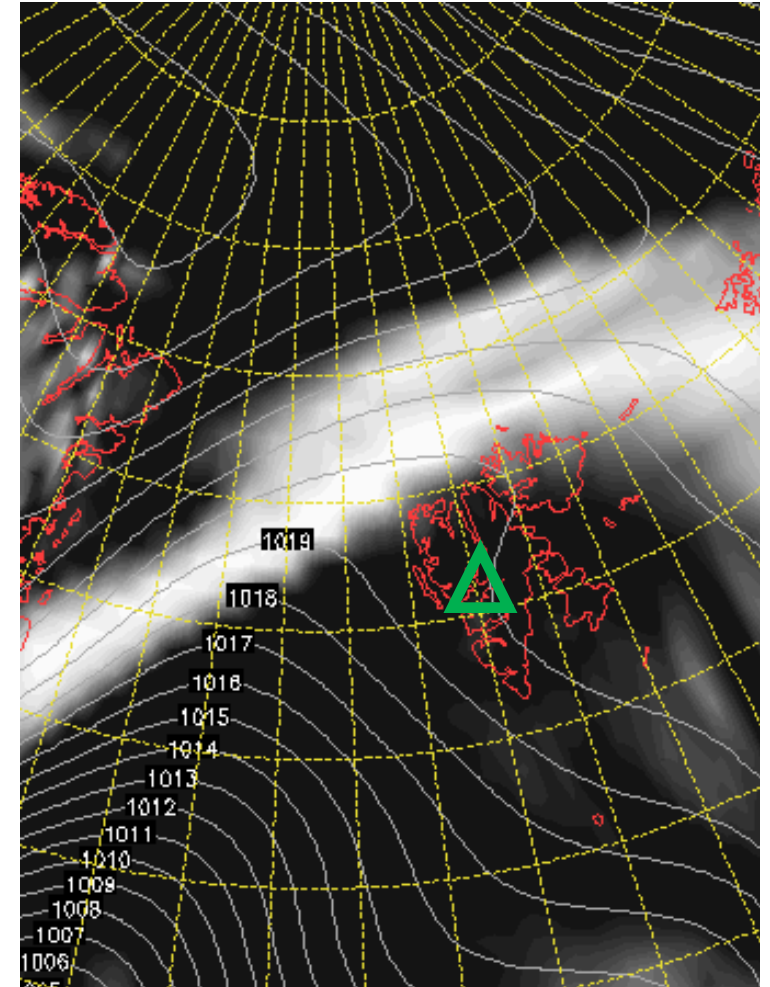
L



M



H



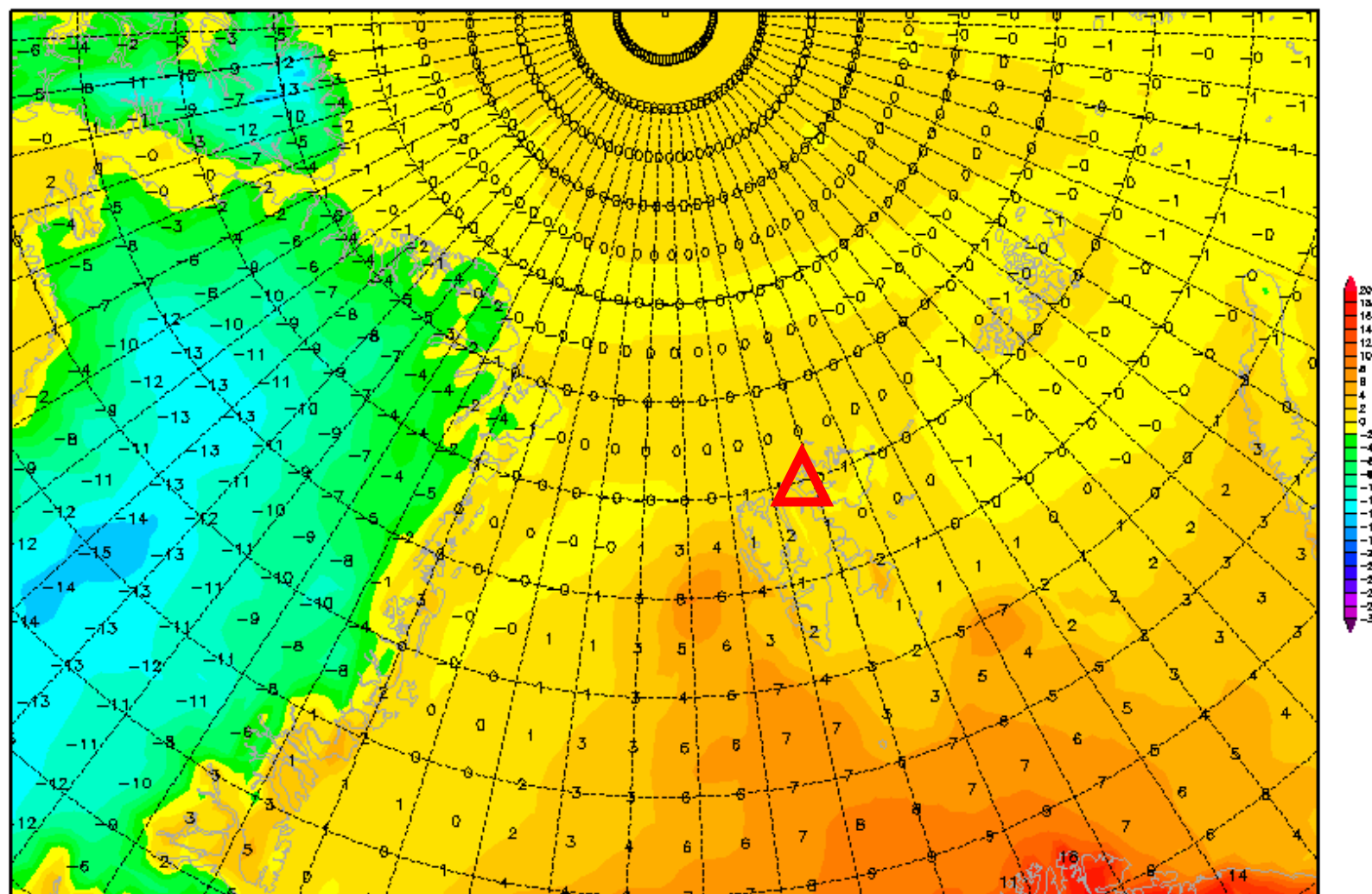


# 2-m temperature 7 June 2017 @ 12 UTC

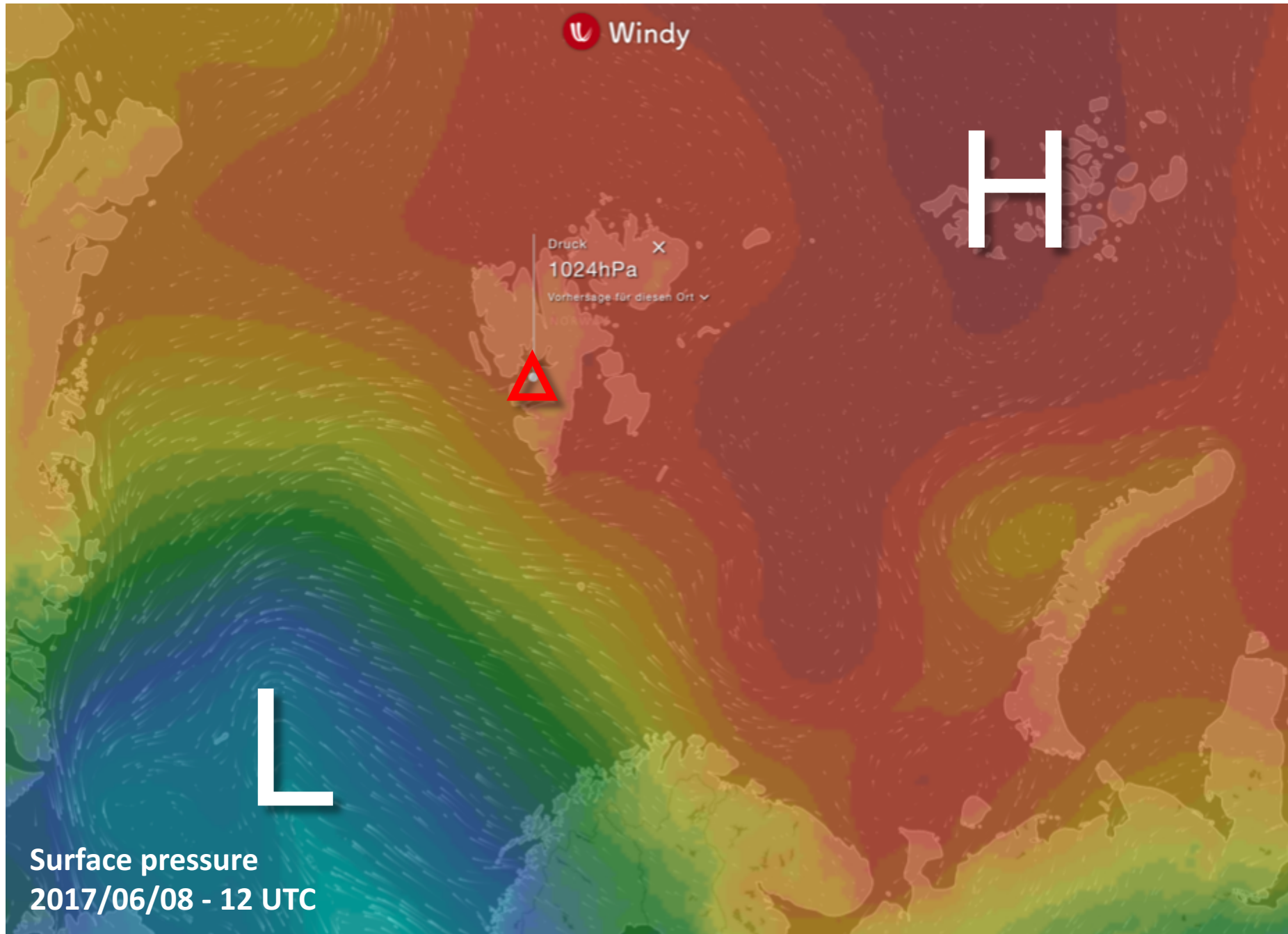
Init : Sun,04JUN2017 00Z

Valid: Wed,07JUN2017 12Z

*2m Temperatur (°C)*



# General Situation Thu 8 June 2017

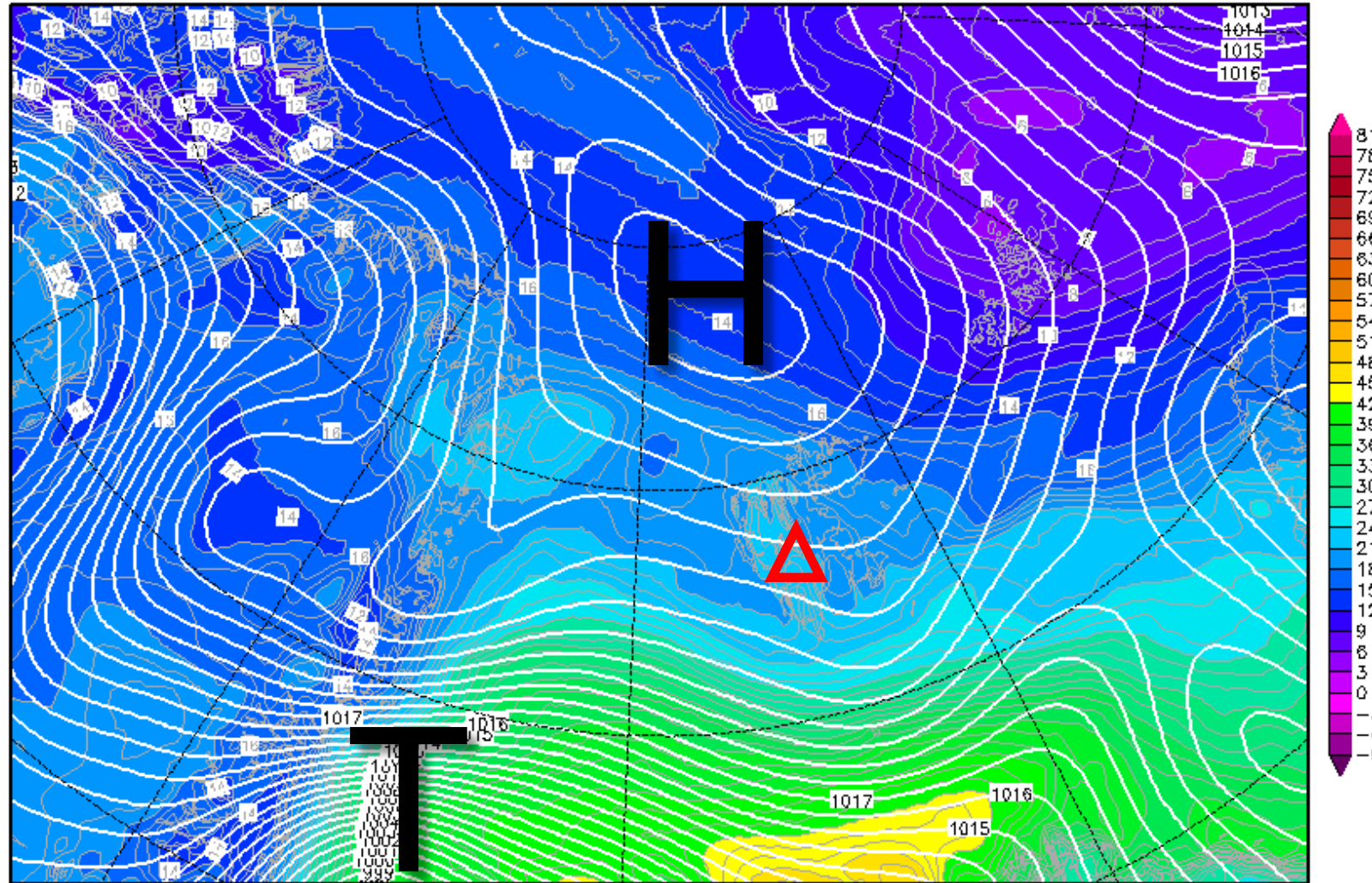


# 850-hPa Theta Equiv. 8 June 2017 @ 12 UTC

Init : Sun,04JUN2017 00Z

Valid: Thu,08JUN2017 12Z

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

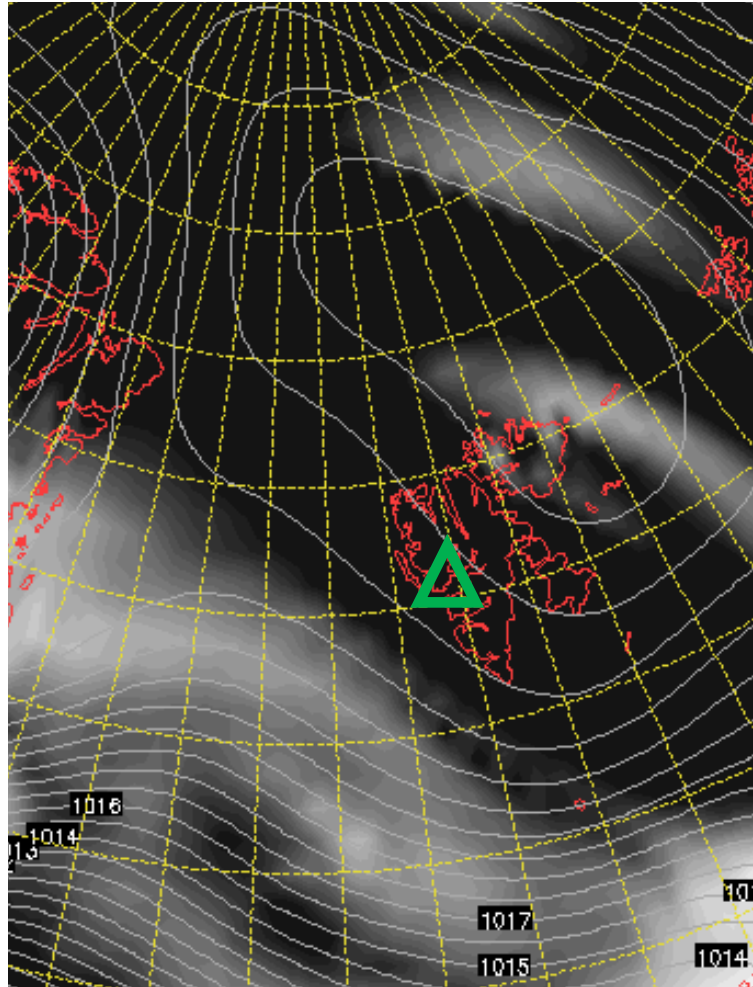


Daten: GFS-Modell des amerikanischen Wetterdienstes  
(C) Wetterzentrale  
[www.wetterzentrale.de](http://www.wetterzentrale.de)

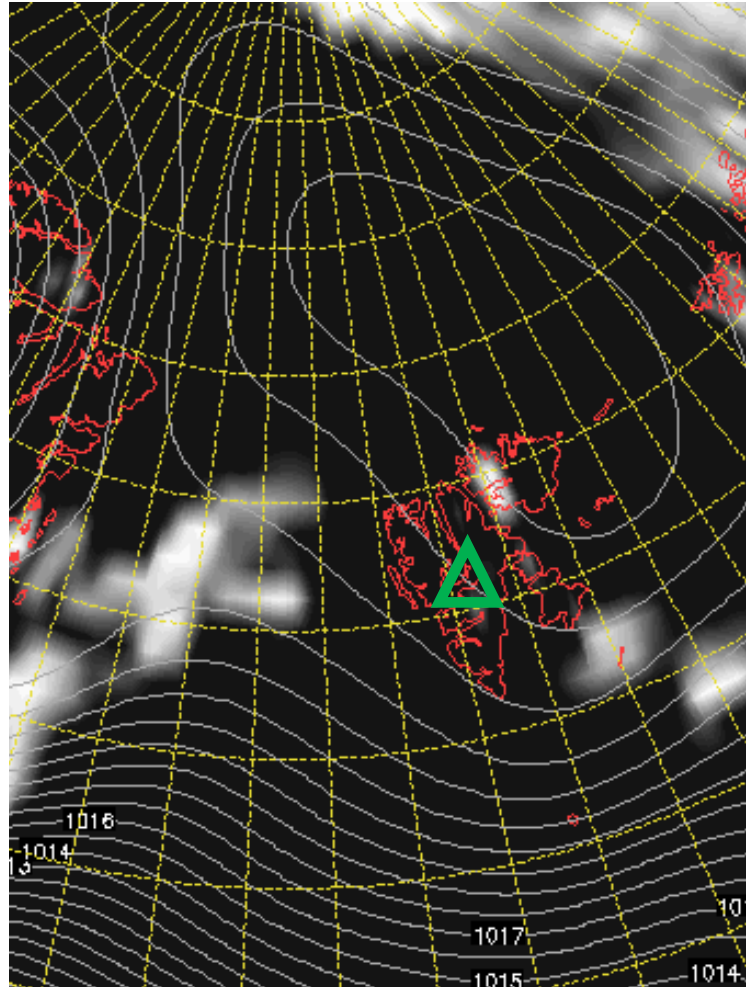


# Cloud Cover 8 June 2017 @ 12 UTC

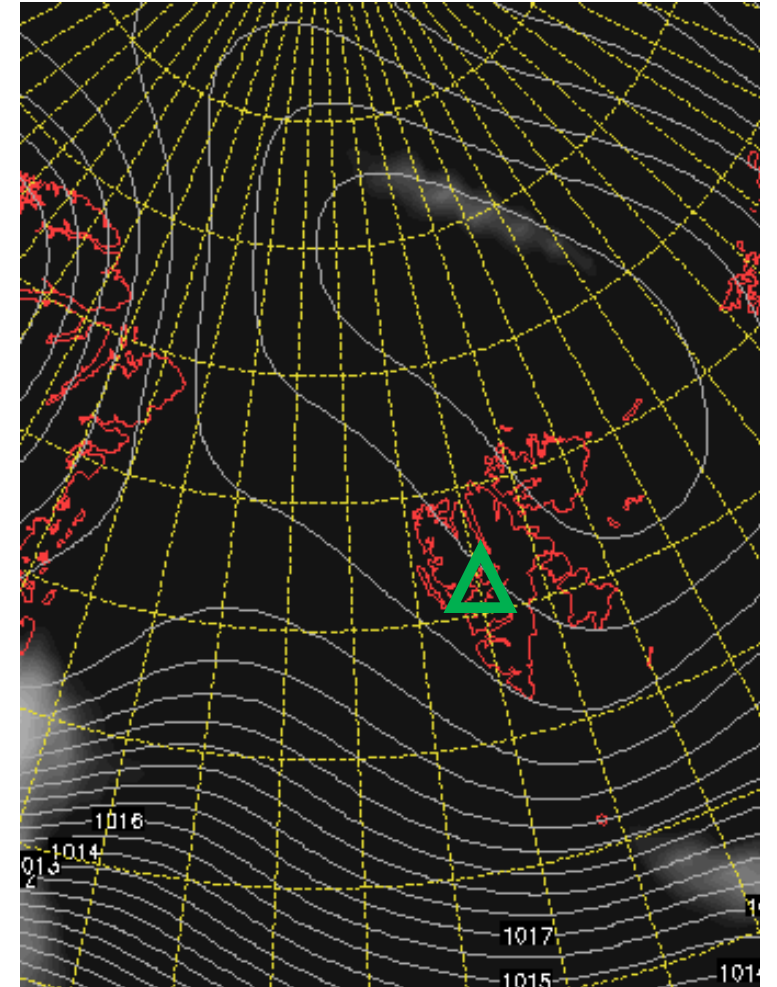
L



M



H



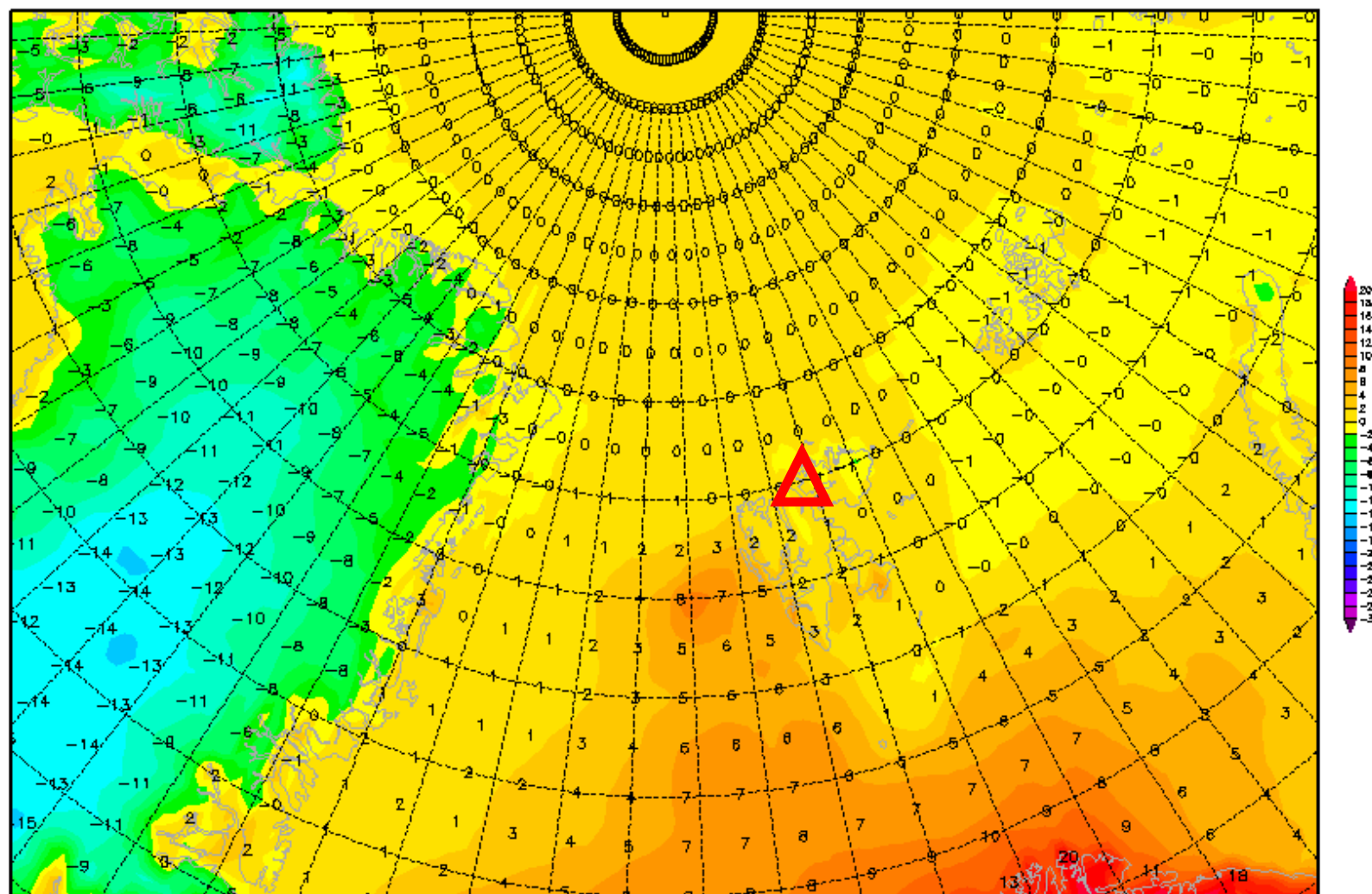


# 2-m temperature 8 June 2017 @ 12 UTC

Init : Sun,04JUN2017 00Z

Valid: Thu,08JUN2017 12Z

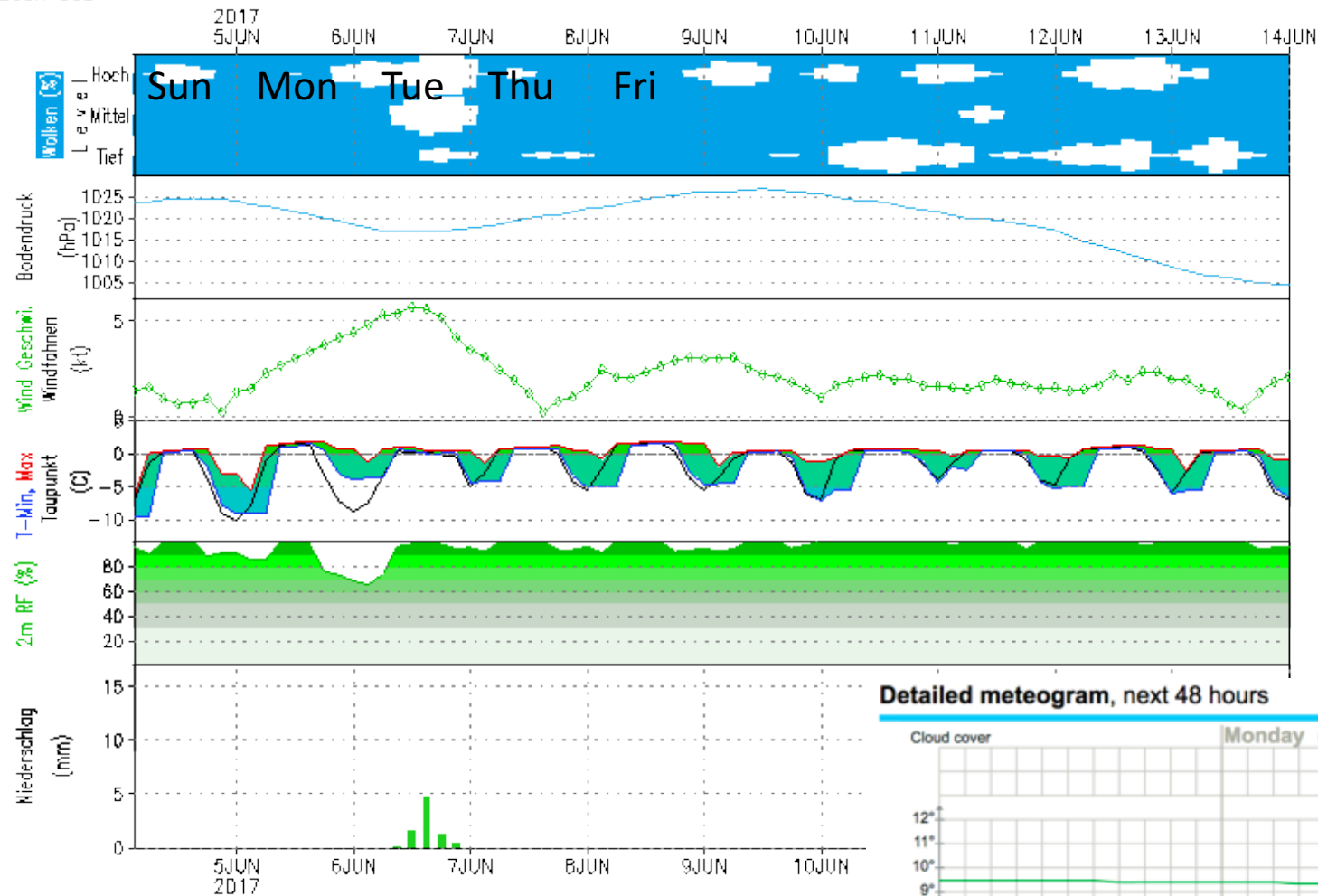
*2m Temperatur (°C)*



# GFS – Meteogramm

Lon: 15.63 Lat: 78.22 Hgt: 331m

Lauf: 00Z

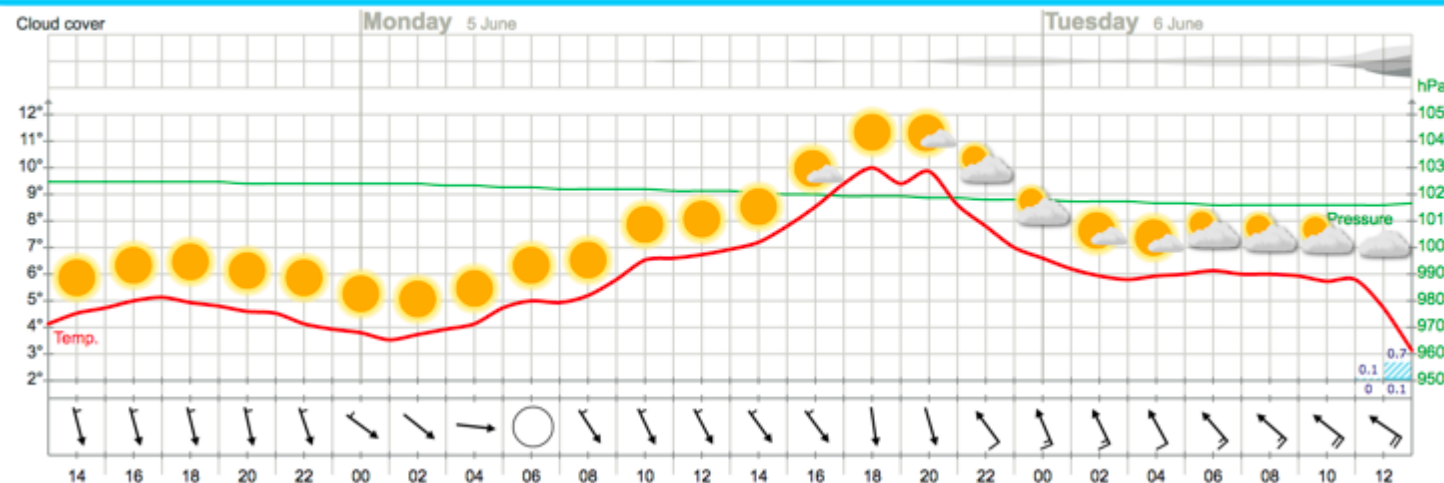


Heute kein Sonnenaufgang  
Heute kein Sonnenuntergang

## Outlook – Meteogram

YR.no

### Detailed meteorogram, next 48 hours

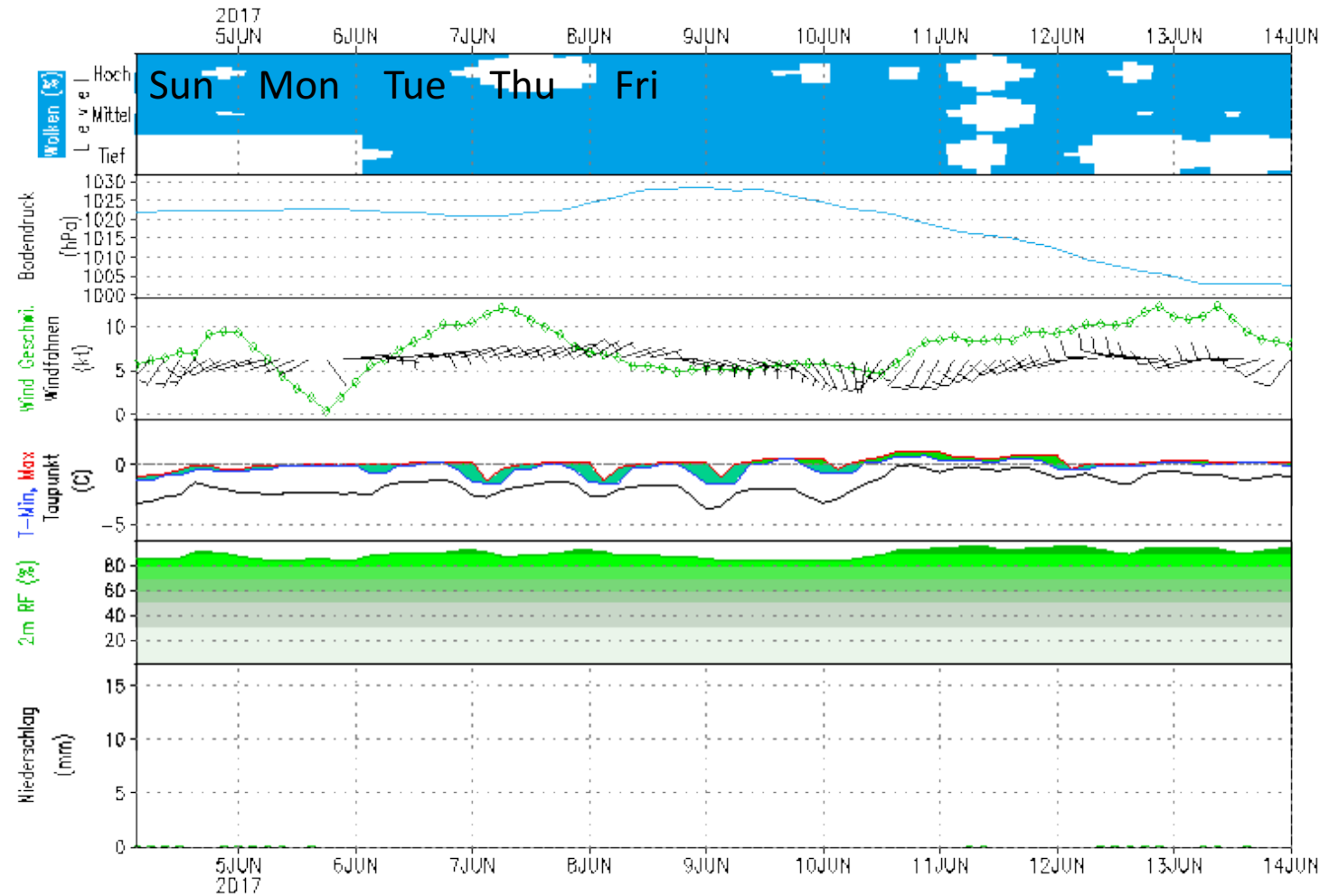


# GFS – Meteogramm

Lon: 15.0 Lat: 82.0 Hgt: 0m

Lauf: 00Z

## Outlook – Meteogram Polarstern



Heute kein Sonnenaufgang  
Heute kein Sonnenuntergang

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

