

# Weather briefing

ACLOUD Longyearbyen, Svalbard

Sat 10 June 2017 – **Sun 11 June** – Wed 14 June 2017

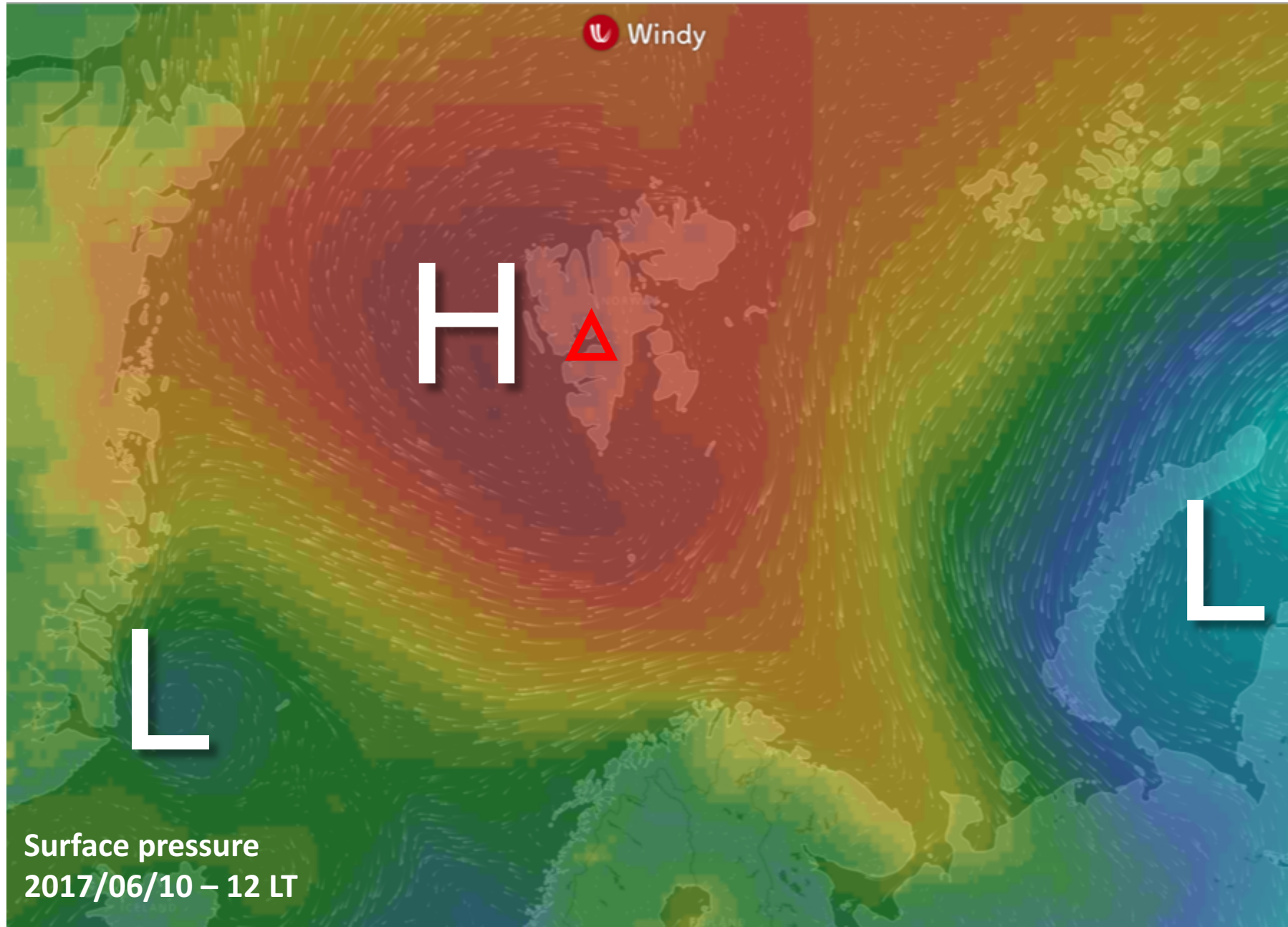
## Summary

Spitsbergen is still mainly influenced by a high pressure system with a weak pressure gradient. Therefore wind speeds stay low while coming from changing directions, the main component being west. To the west and north of the archipelago a layer of low clouds can be found, in some areas touching the ground. Above that there are medium and high clouds above Spitsbergen.

Tomorrow the wind stays calm. The higher clouds will mostly be gone. The remaining clouds are low clouds that can be broken in some areas.

- Position of Polarstern (semi stationary) 81.94° N, 10.92° E

# Analysis 10 June 2017 @ 12 UTC



## METAR / TAF 10 June 2017 8:50 UTC

**METAR:** ENSB 100850Z 26005KT 9999 FEW005 BKN088 05/03 Q1027 RMK WIND 1400FT 26003KT

- Wind: 5 kt west (260°)
- Temperature/Dewpoint: 5° C / 3° C
- Humidity: **87%**
- Pressure: 1027 hPa
- Visibility: 10+ km
- Clouds: **Few clouds** at a height of **500** ft  
**Broken clouds** at a height of **8800** ft

**TAF:** ENSB 1006/1106 26008KT 9999 FEW005 BKN080 PROB40 1006/1106 0500 FG VV002

- For: 10 June 06 – 11 June 06
- Wind: 8 kt from west (260°)
- Visibility: 10+ km
- Clouds: **Few clouds** at a height of **1000** ft  
**Scattered clouds** at a height of **8000** ft

**Probability 40%:** 6 to 6 UTC:

- Visibility: **500 m at a height of 200 ft fog**

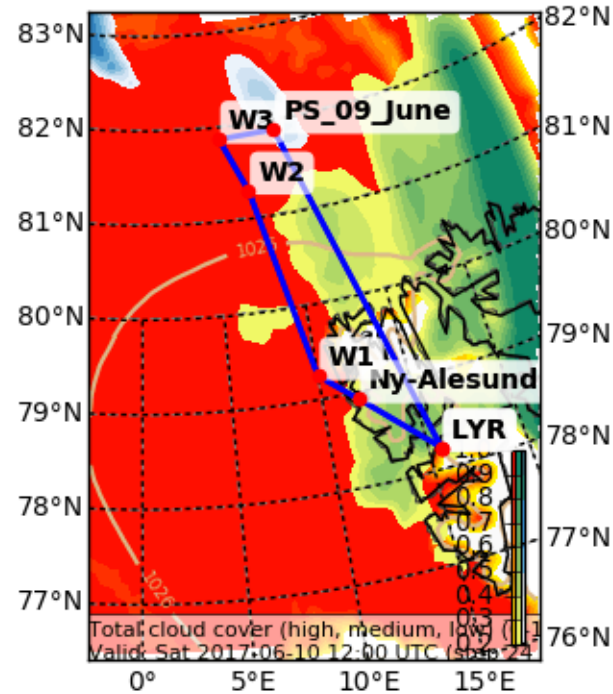


# Clouds

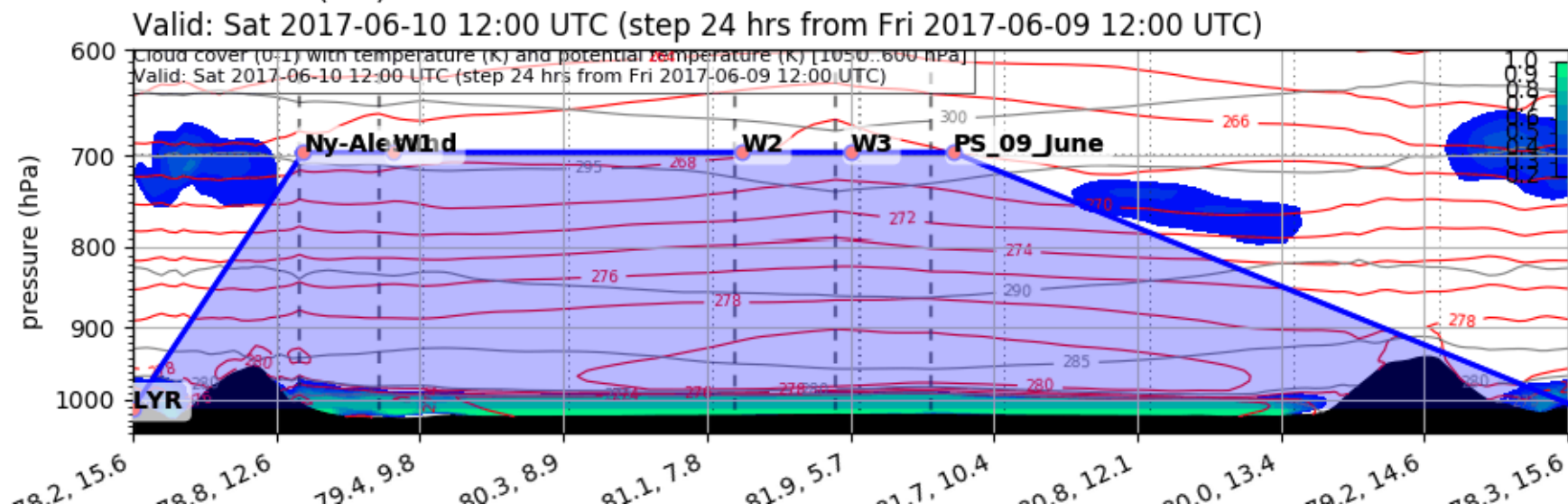
## Today 12 UTC

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

Valid: Sat 2017-06-10 12:00 UTC (step 24 hrs from Fri 2017-06-09 12:00 UTC)



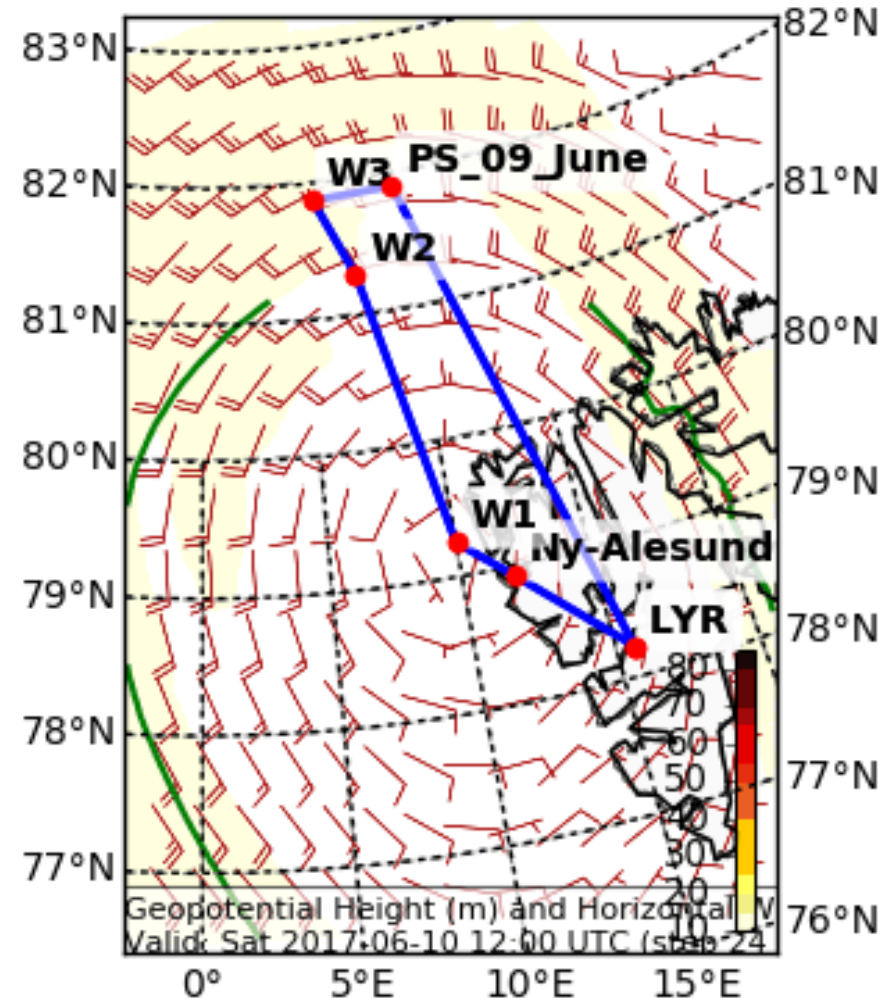
EPSG:77790000



# Wind

## Today 12 UTC

Geopotential Height (m) and Horizontal Wind (m/s) (Wind Speed 10-85 m/s)  
Valid: Sat 2017-06-10 12:00 UTC (step 24 hrs from Fri 2017-06-09 12:00 UTC)



**NOAA-19 10 June 2017 @ 08:12 UTC**



★ RV Polarstern (81.95° N, 10.46° E)

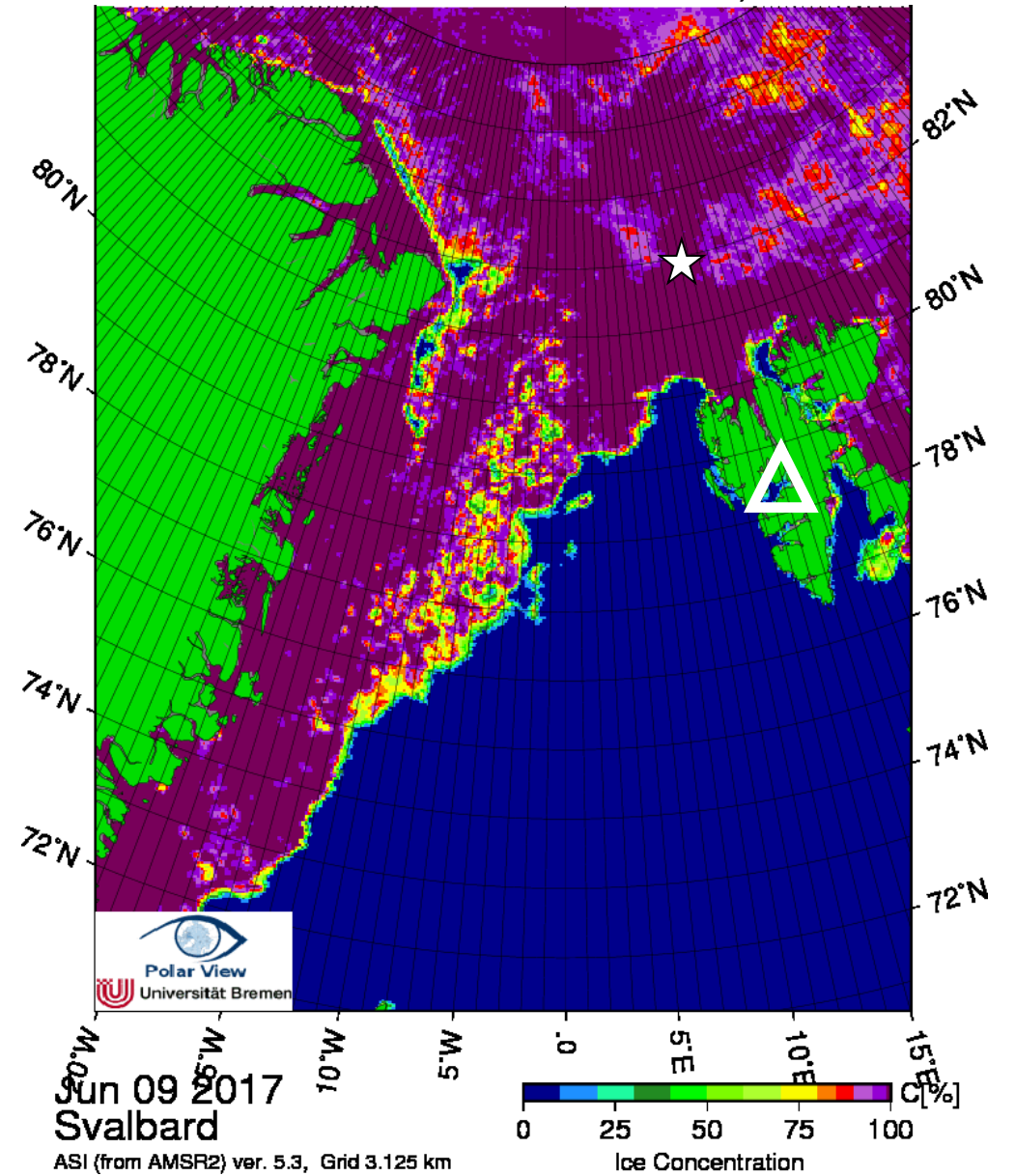
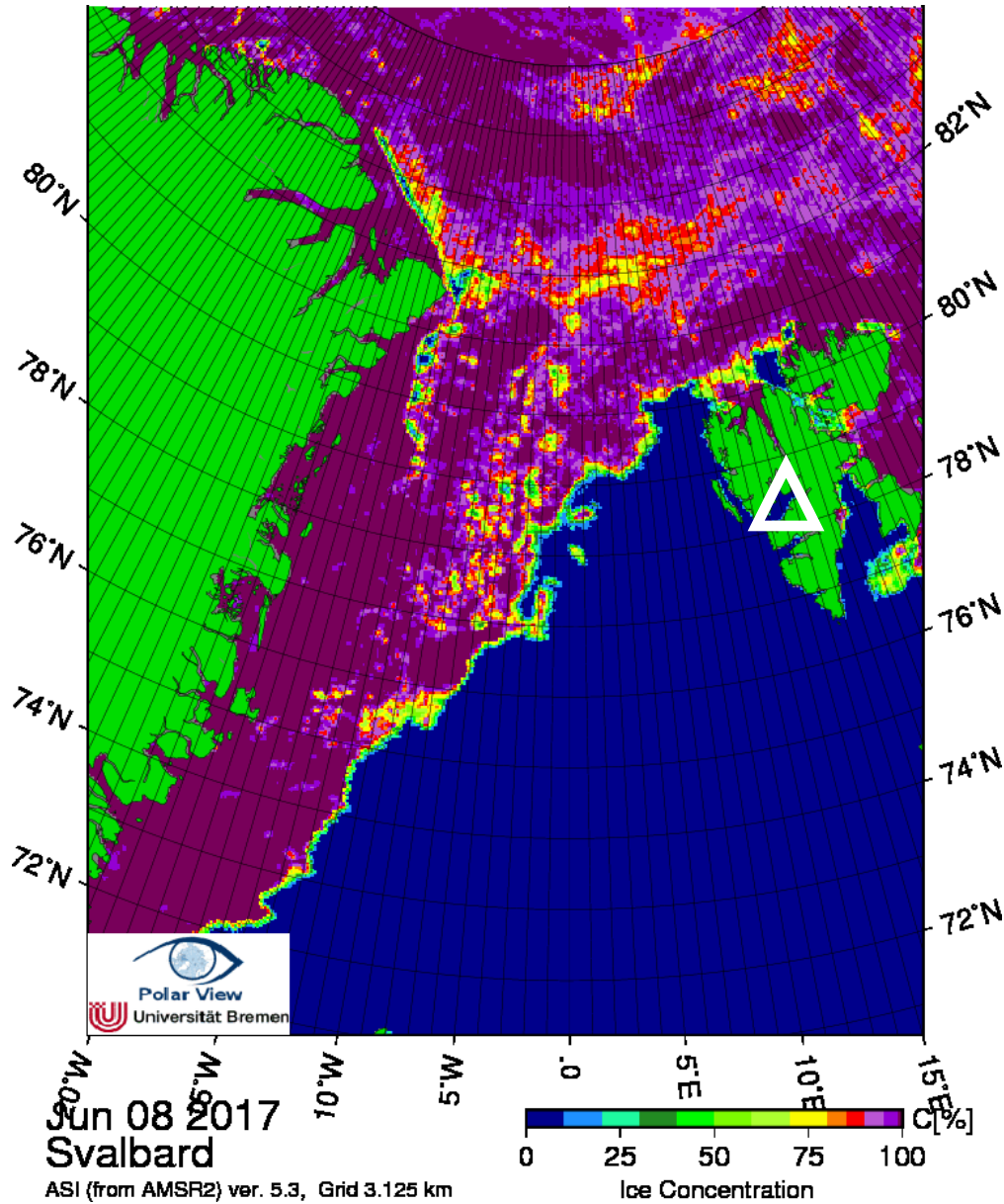
**08:12**

**3.74  $\mu$ m**



# Arctic sea ice 8 June & 9 June 2017

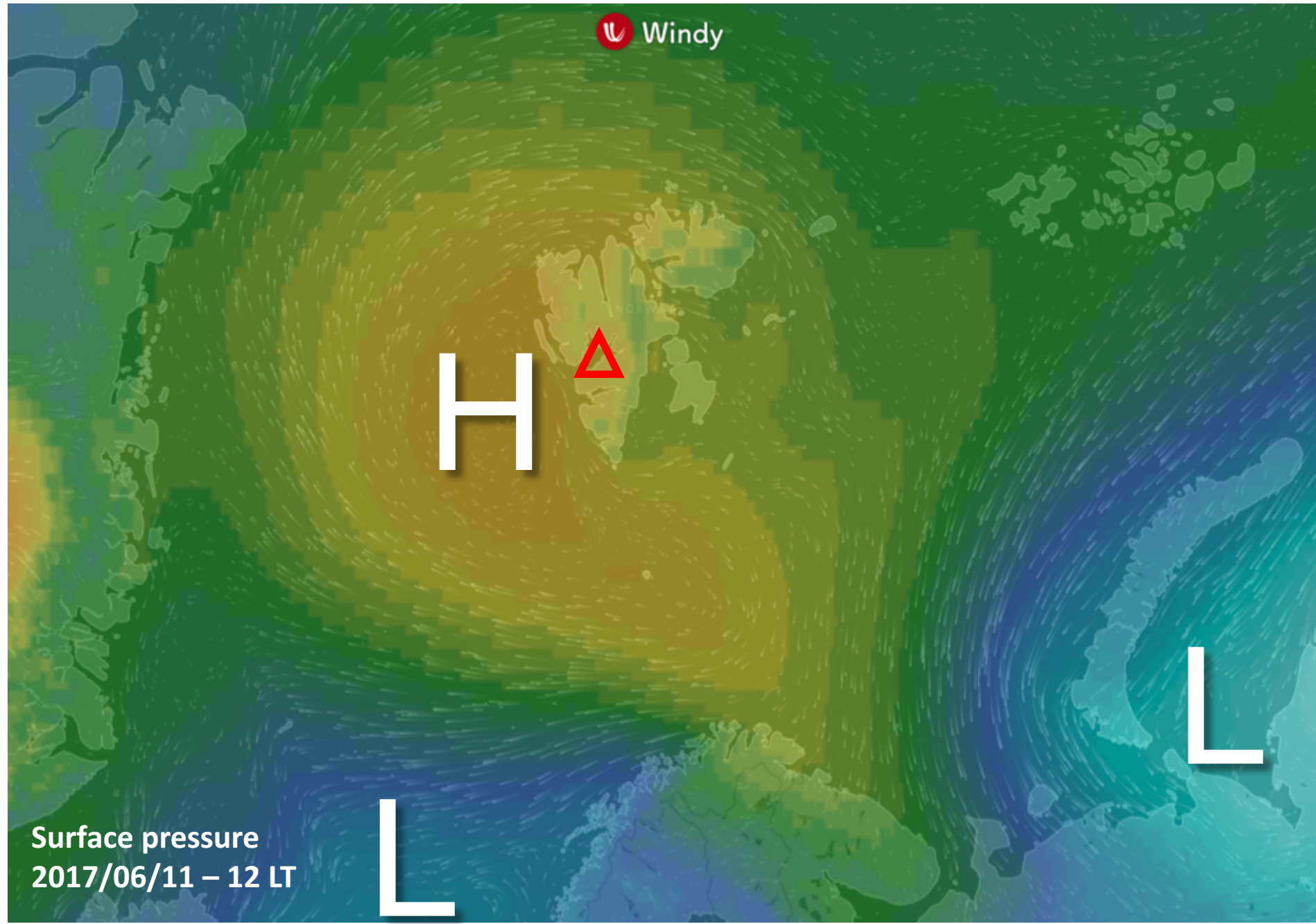
☆ RV Polarstern 5 June 81.94° N, 10.92° E



# Tomorrow

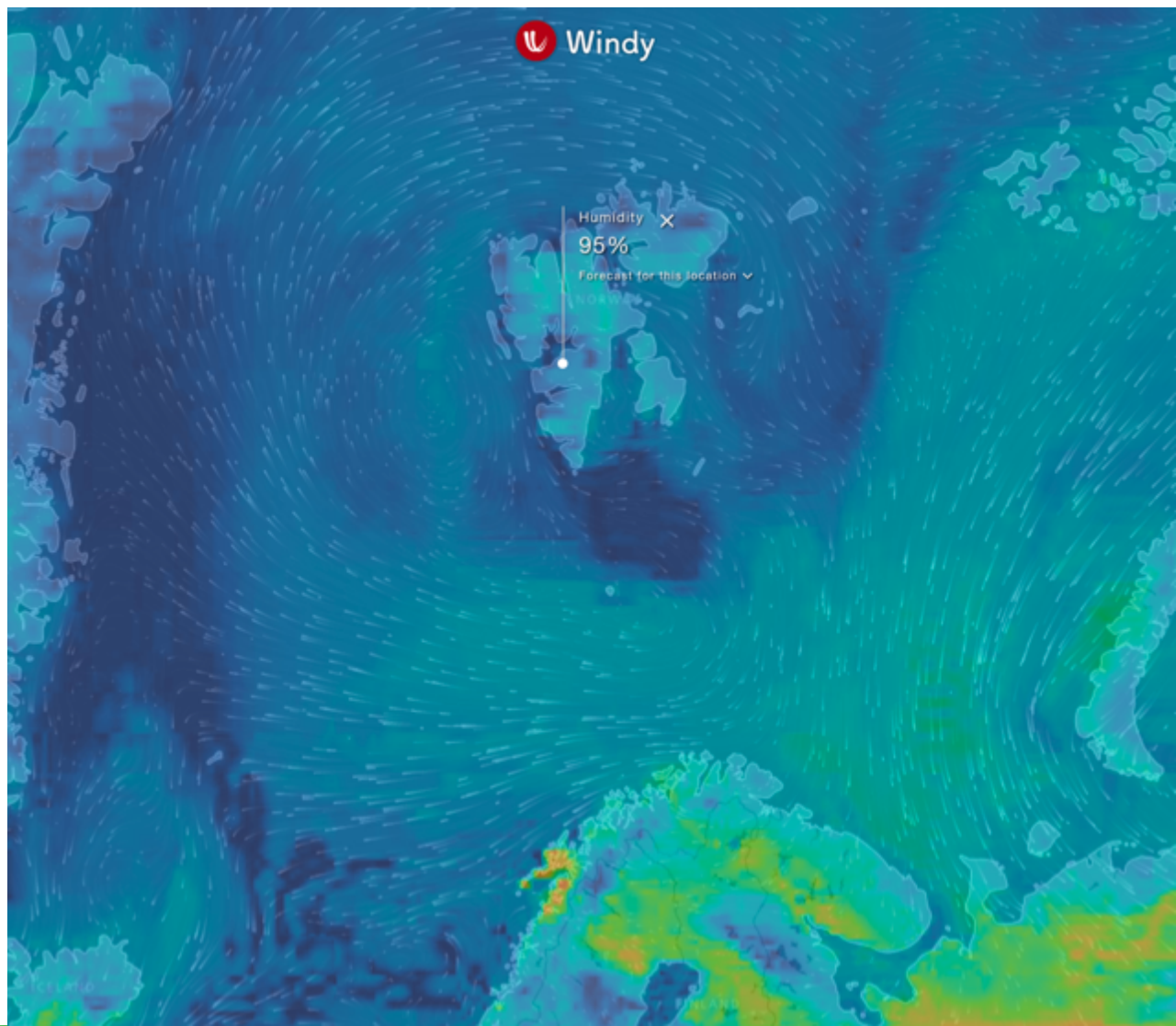
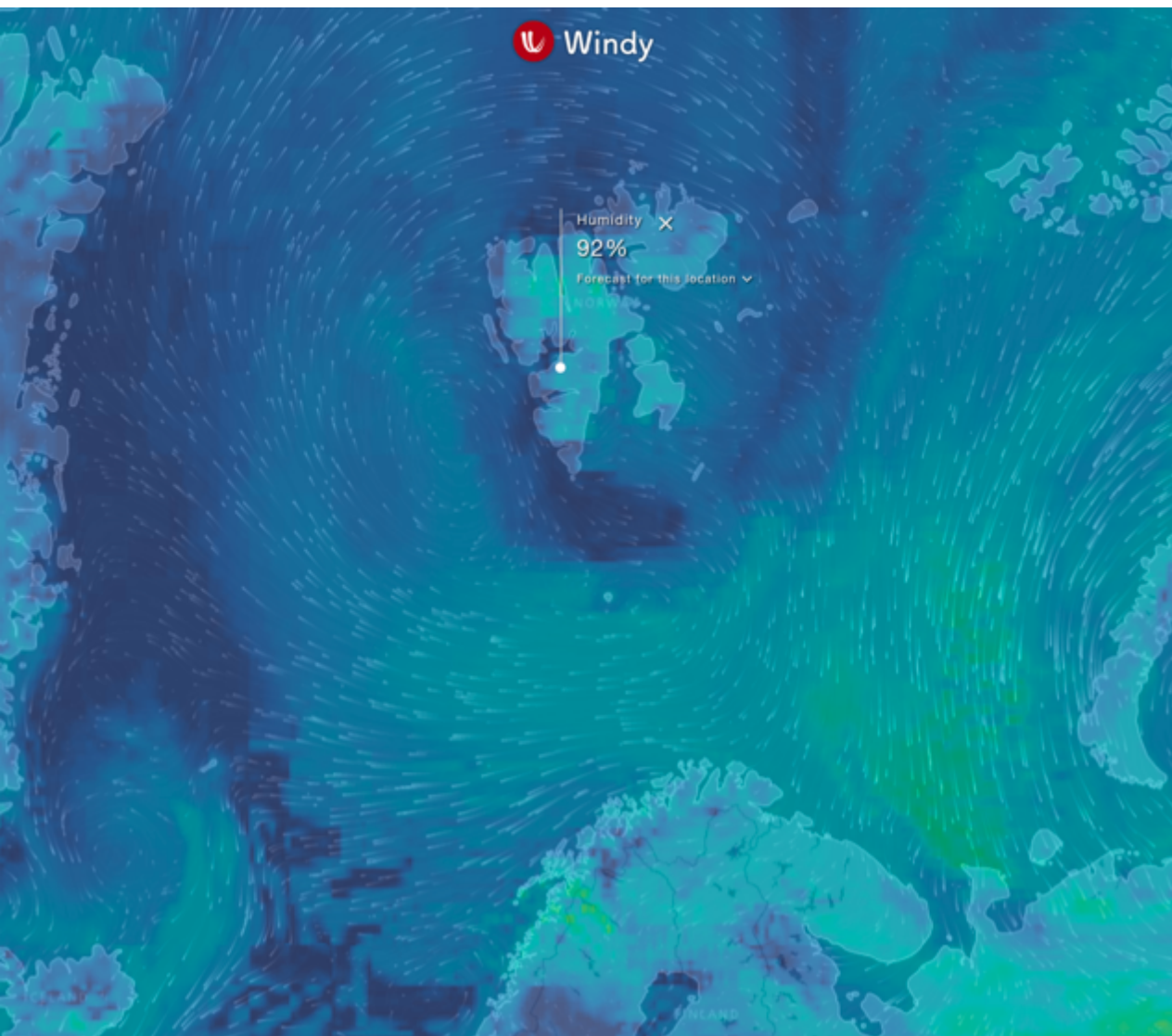
**Sun 11 June 2017**

# General Situation Sun 11 June 2017





# Rel Humid 11 June 2017 @ 06:00/12:00

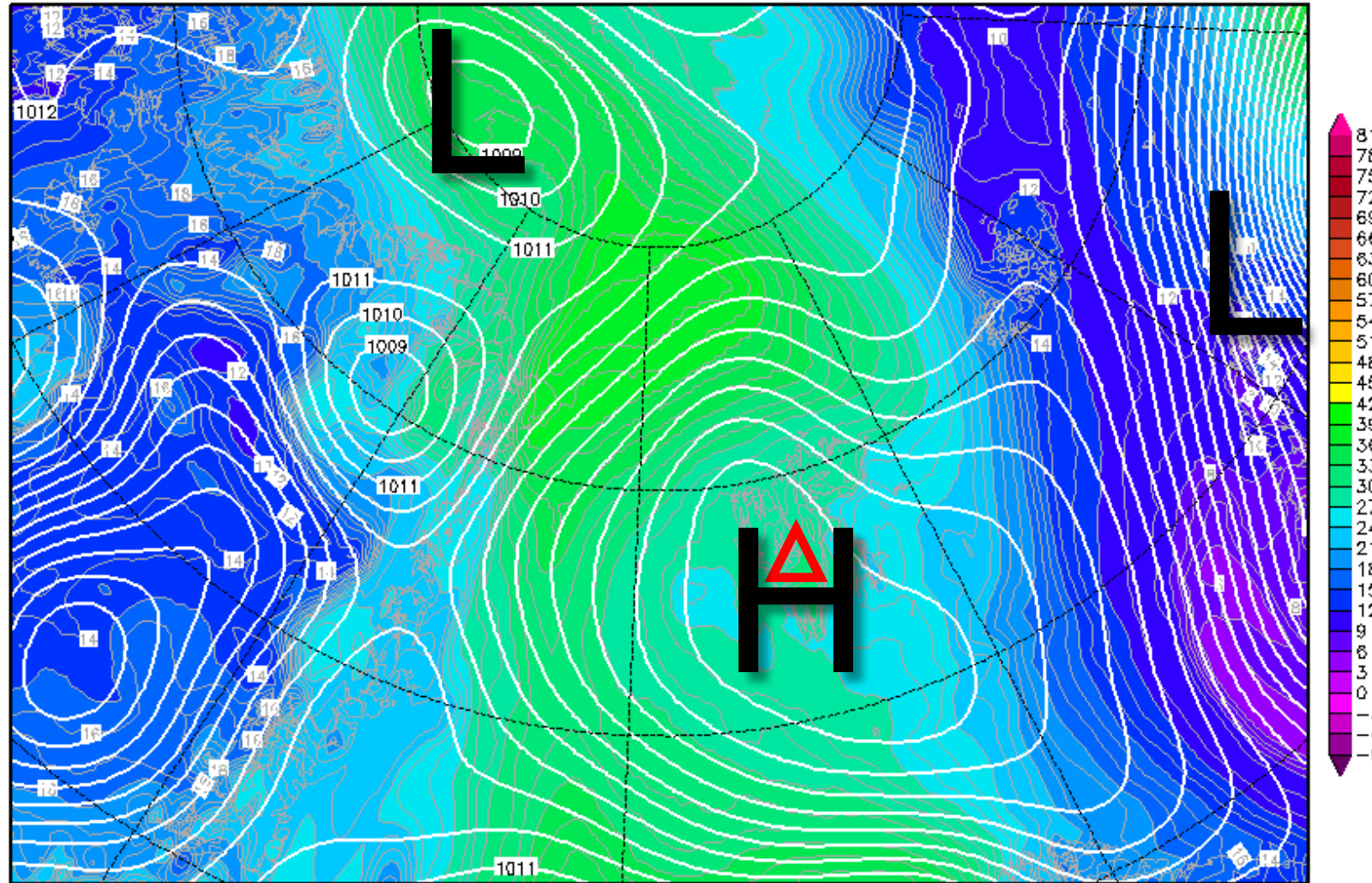


# 850-hPa Theta Equiv. 11 June 2017 @ 12 UTC

Init : Fri,09JUN2017 12Z

Valid: Sun,11JUN2017 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)

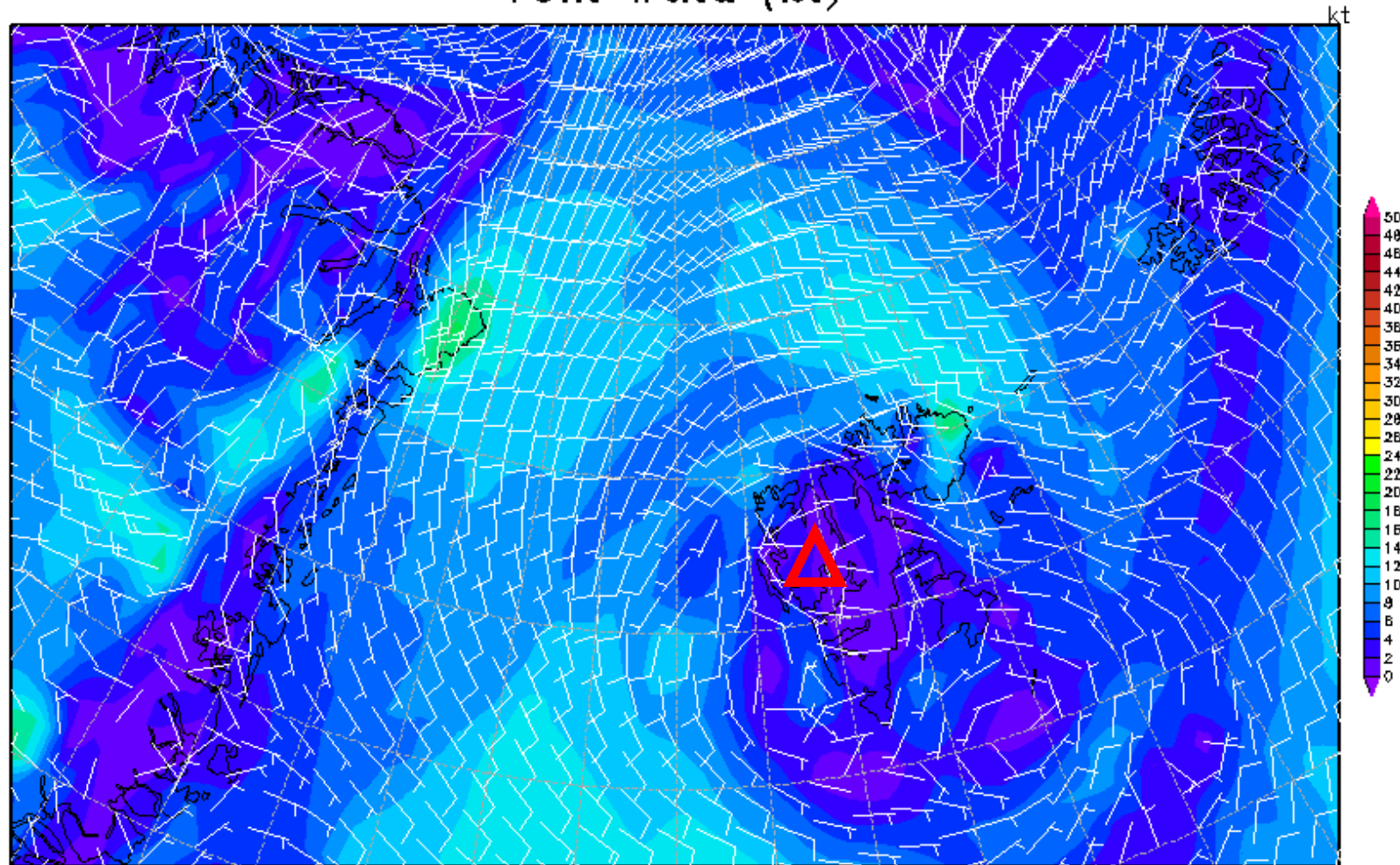


# 10m wind 11 June 2017 @ 12 UTC

Init : Fri,09JUN2017 12Z

Valid: Sun,11JUN2017 12Z

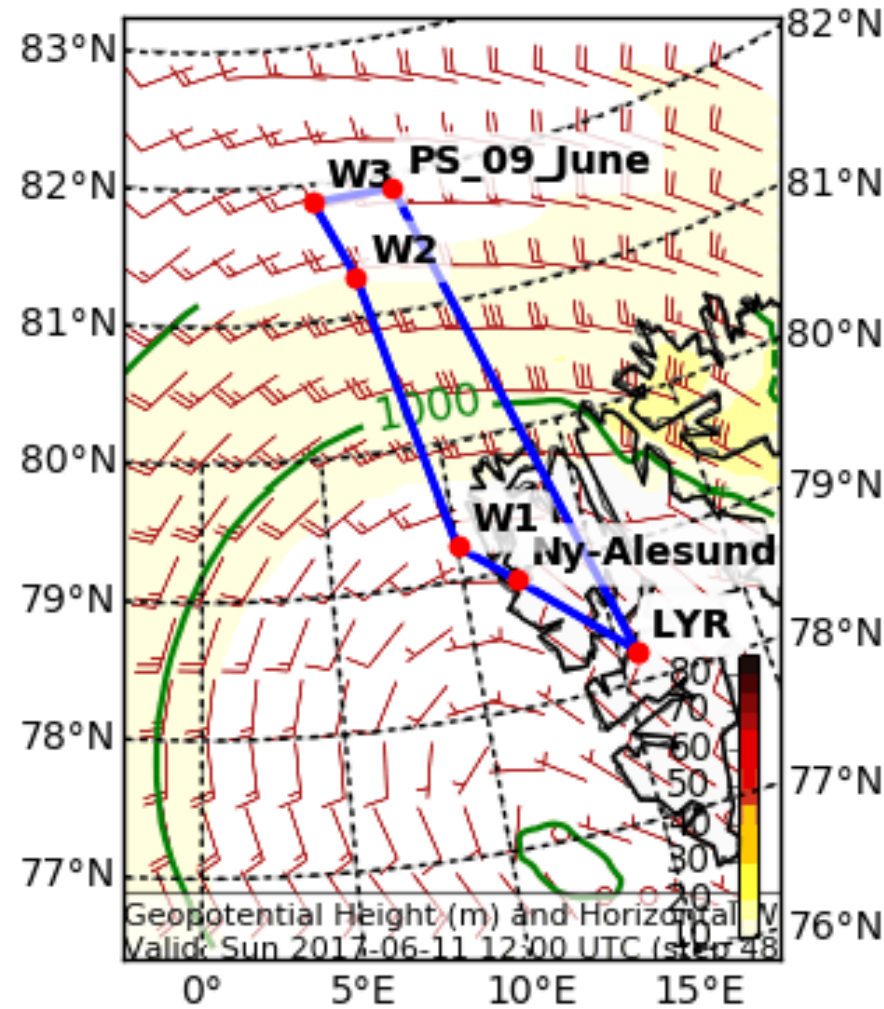
10m Wind (kt)



# Wind

Tomorrow 12 UTC

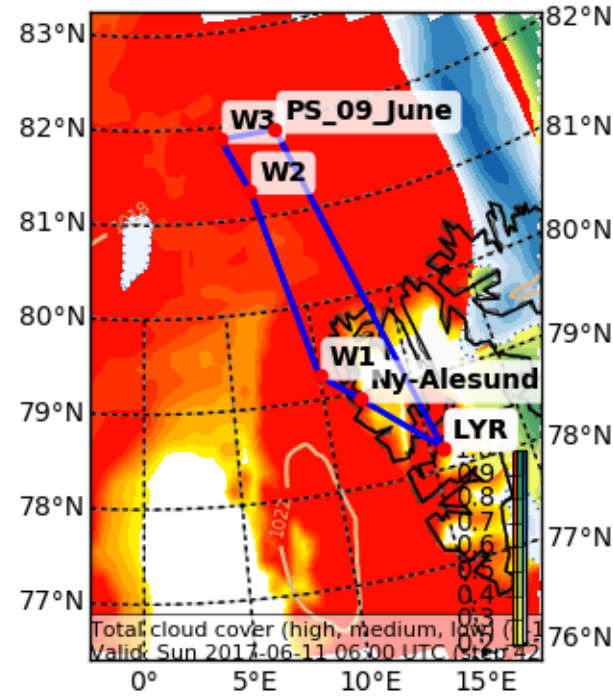
Geopotential Height (m) and Horizontal Wind (m/s) (Wind Speed 10-85 m/s)  
Valid: Sun 2017-06-11 12:00 UTC (step 48 hrs from Fri 2017-06-09 12:00)



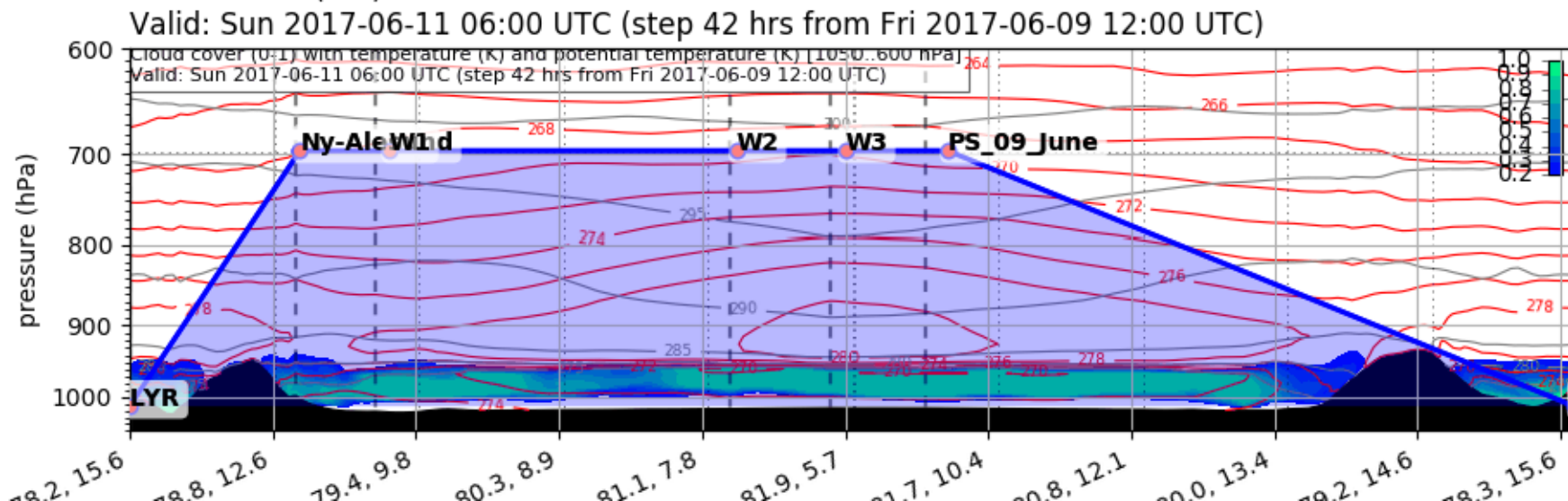
# Forecast Sunday 06 UTC

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

Valid: Sun 2017-06-11 06:00 UTC (step 42 hrs from Fri 2017-06-09 12:00)



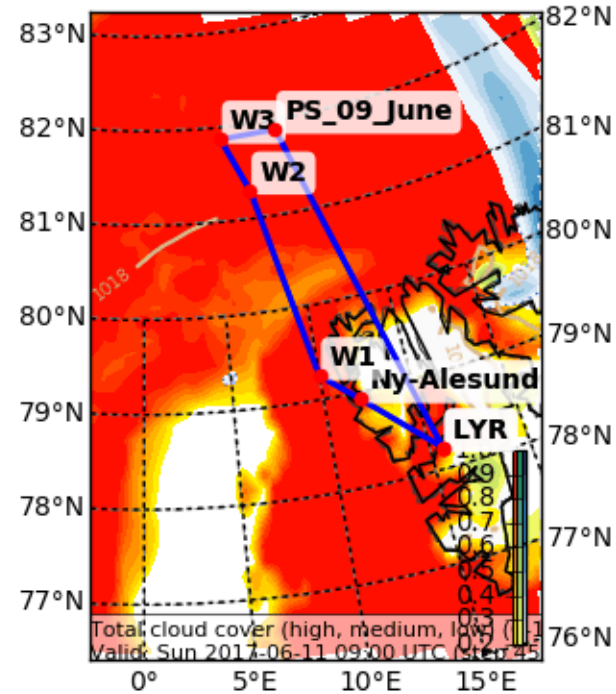
EPSG:77790000



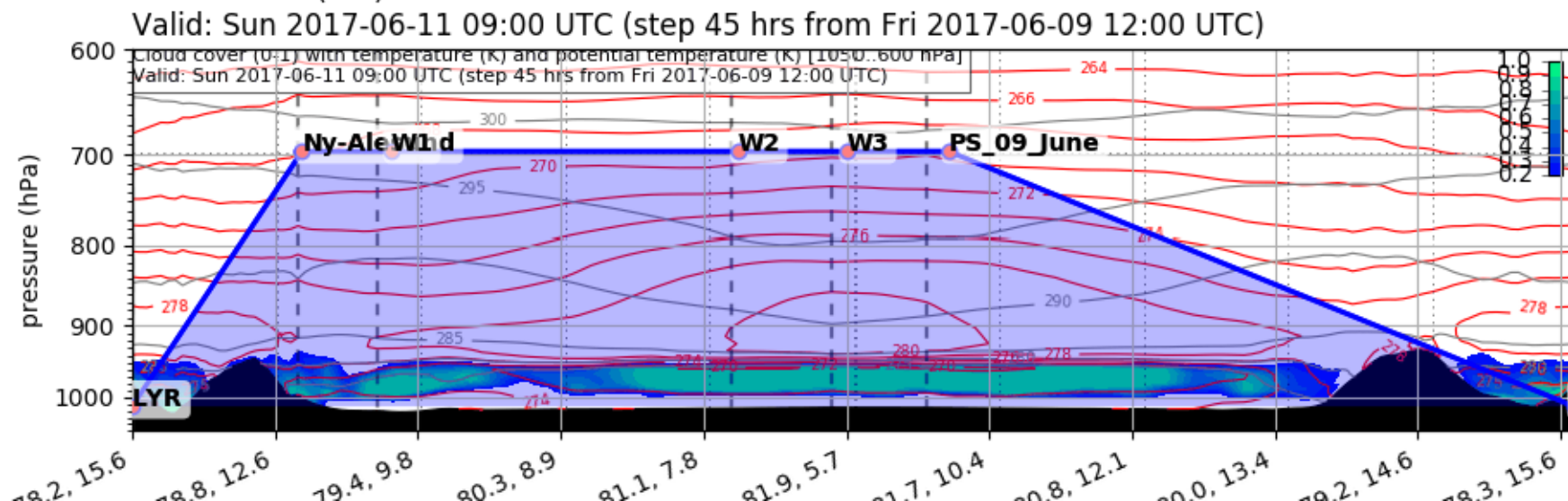
# Forecast Sunday 09 UTC

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

Valid: Sun 2017-06-11 09:00 UTC (step 45 hrs from Fri 2017-06-09 12:00)



EPSG:77790000

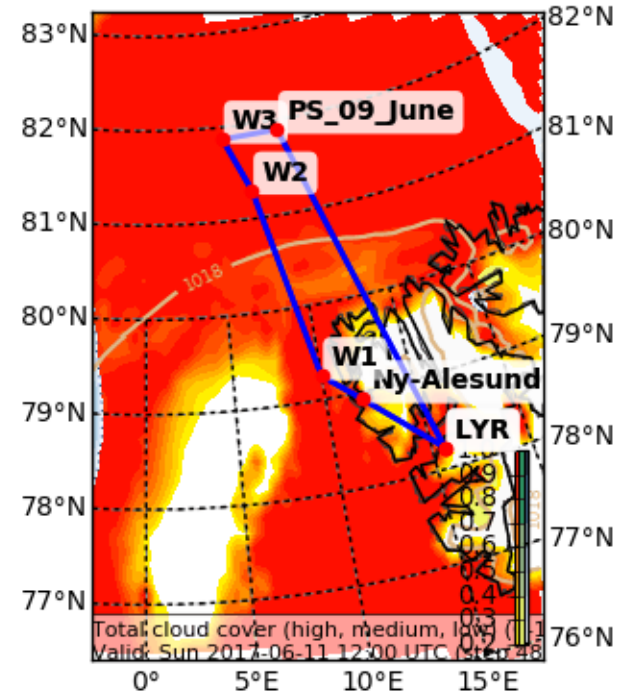




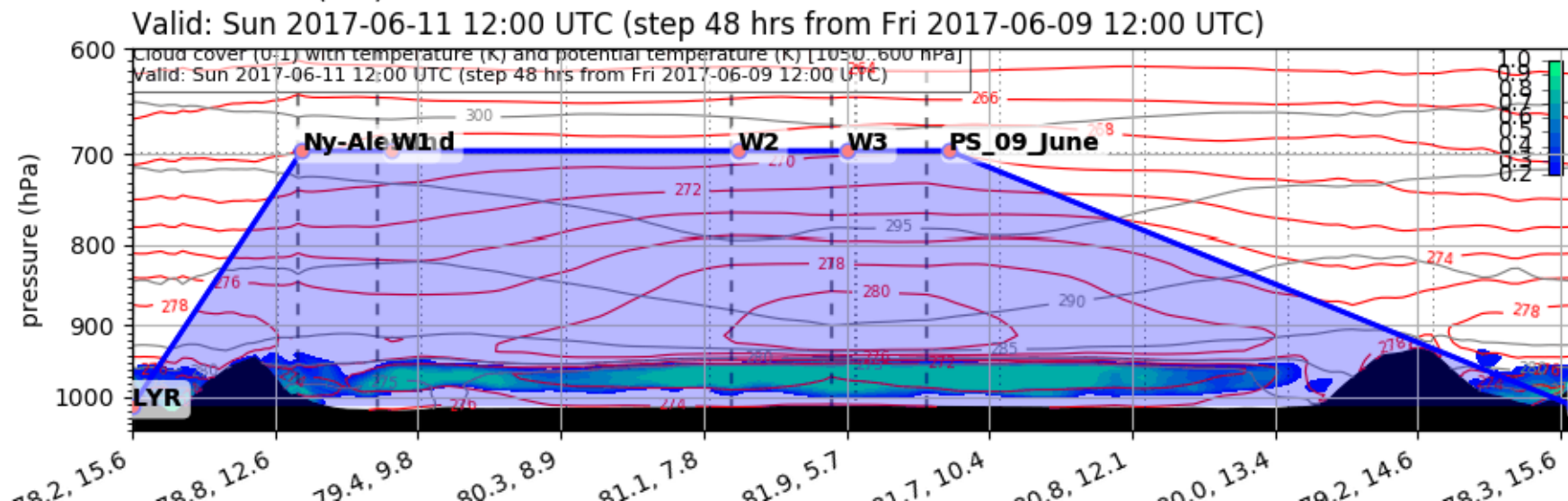
# Forecast Sunday 12 UTC

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

Valid: Sun 2017-06-11 12:00 UTC (step 48 hrs from Fri 2017-06-09 12:00 UTC)



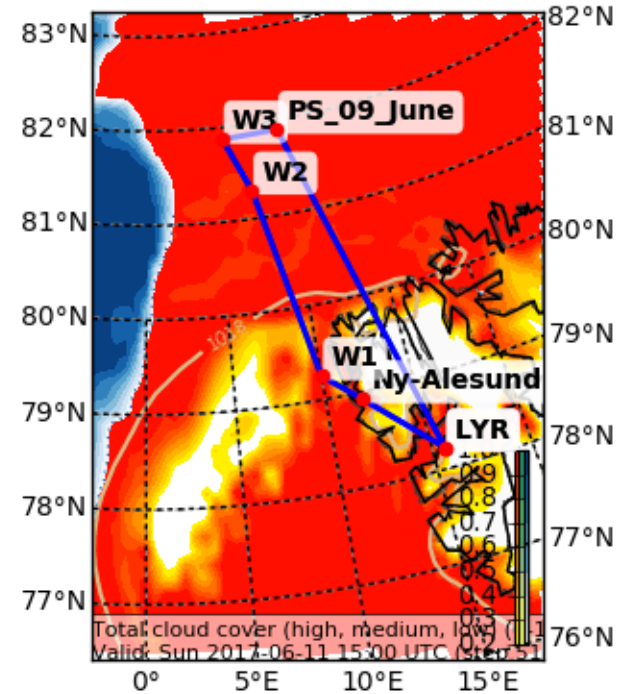
EPSG:77790000



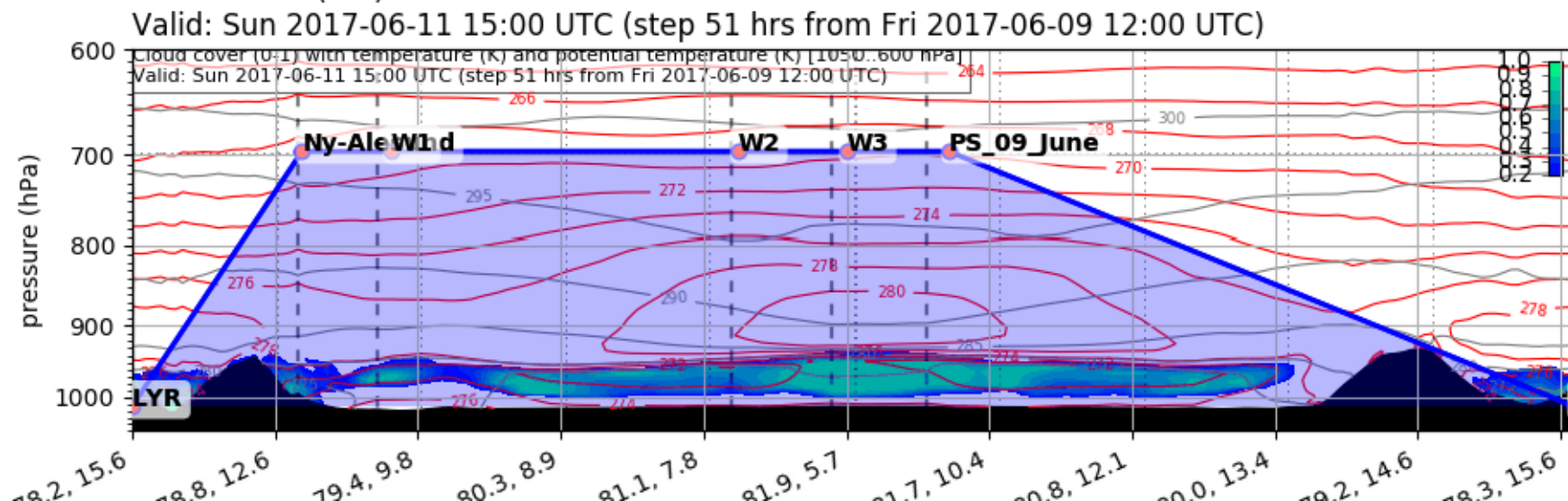
# Forecast Sunday 15 UTC

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

Valid: Sun 2017-06-11 15:00 UTC (step 51 hrs from Fri 2017-06-09 12:00)



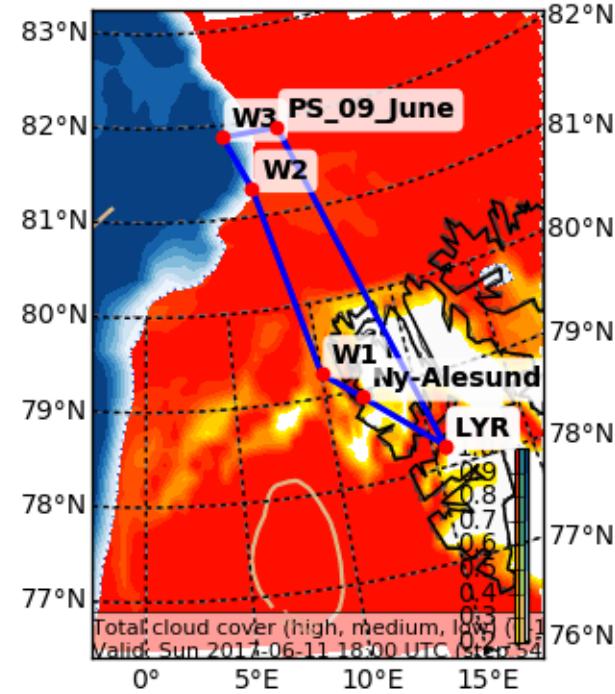
EPSG:77790000



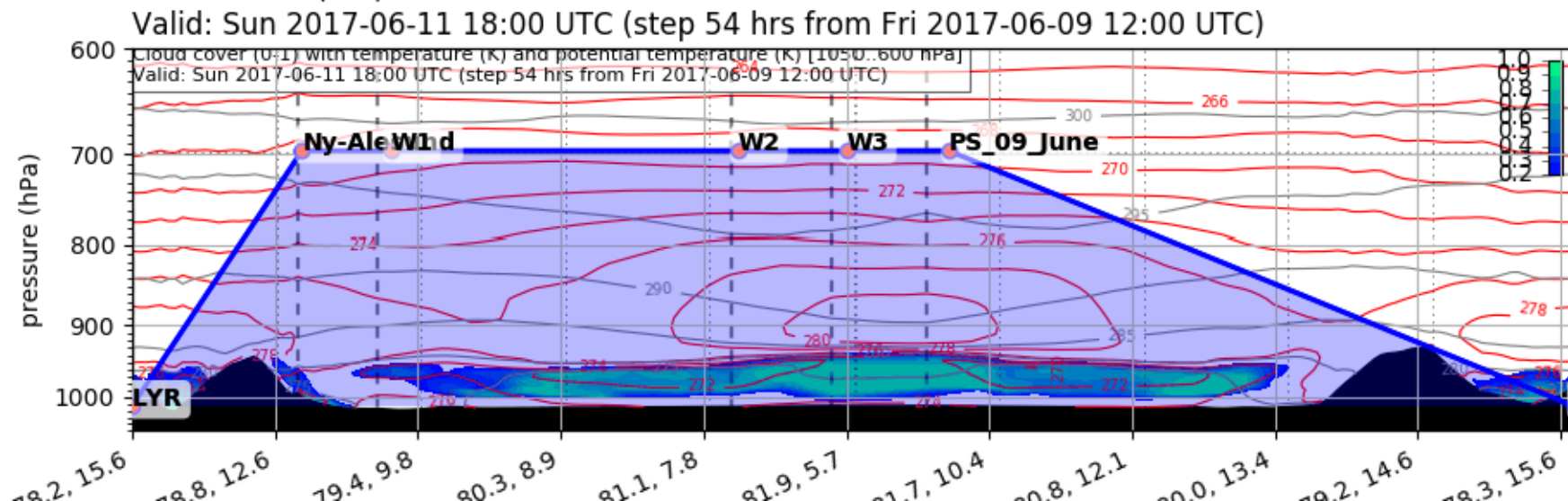
# Forecast Sunday 18 UTC

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

Valid: Sun 2017-06-11 18:00 UTC (step 54 hrs from Fri 2017-06-09 12:00)

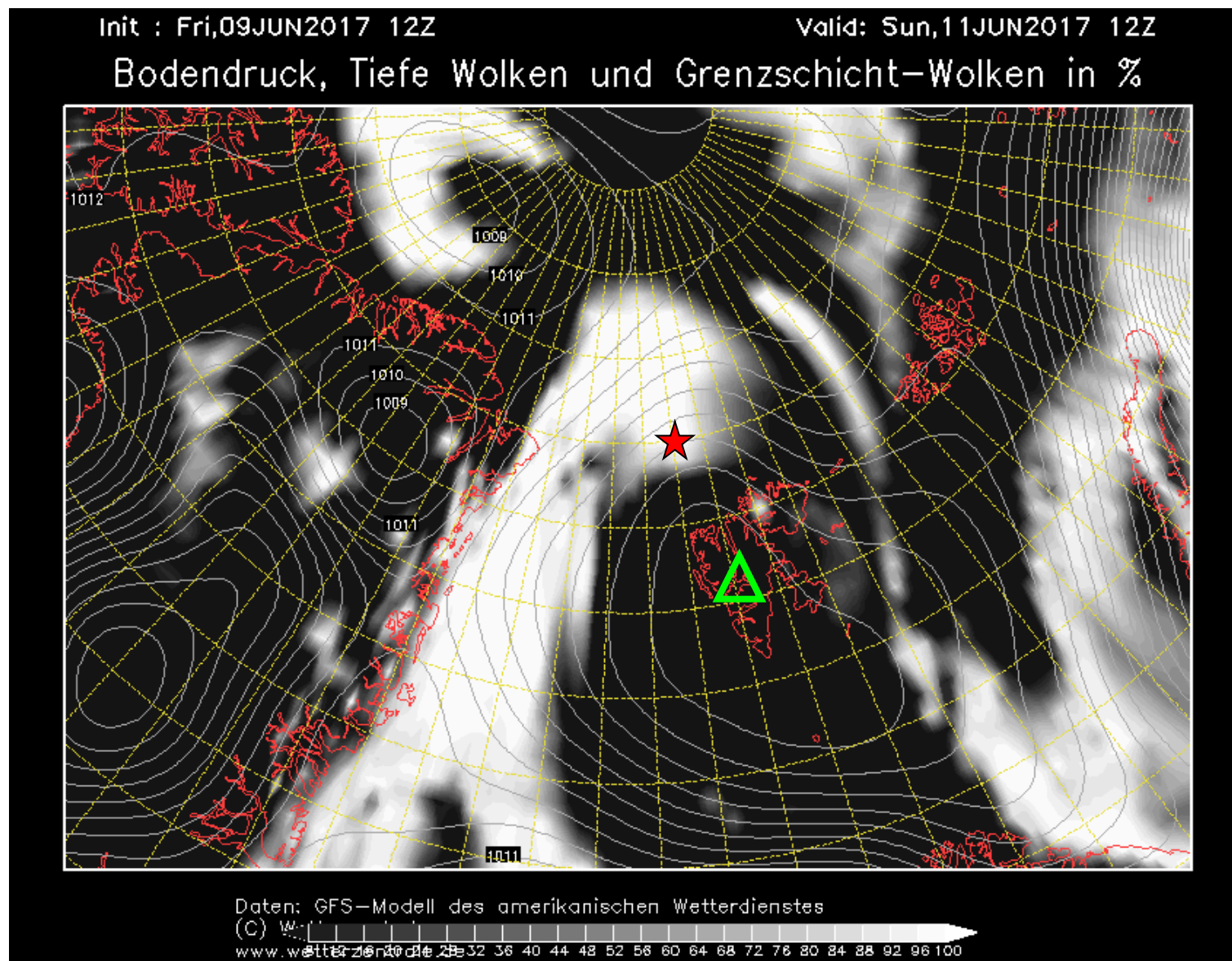


EPSG:77790000



# Low-level cloud cover 11 June 2017 @ 12 UTC

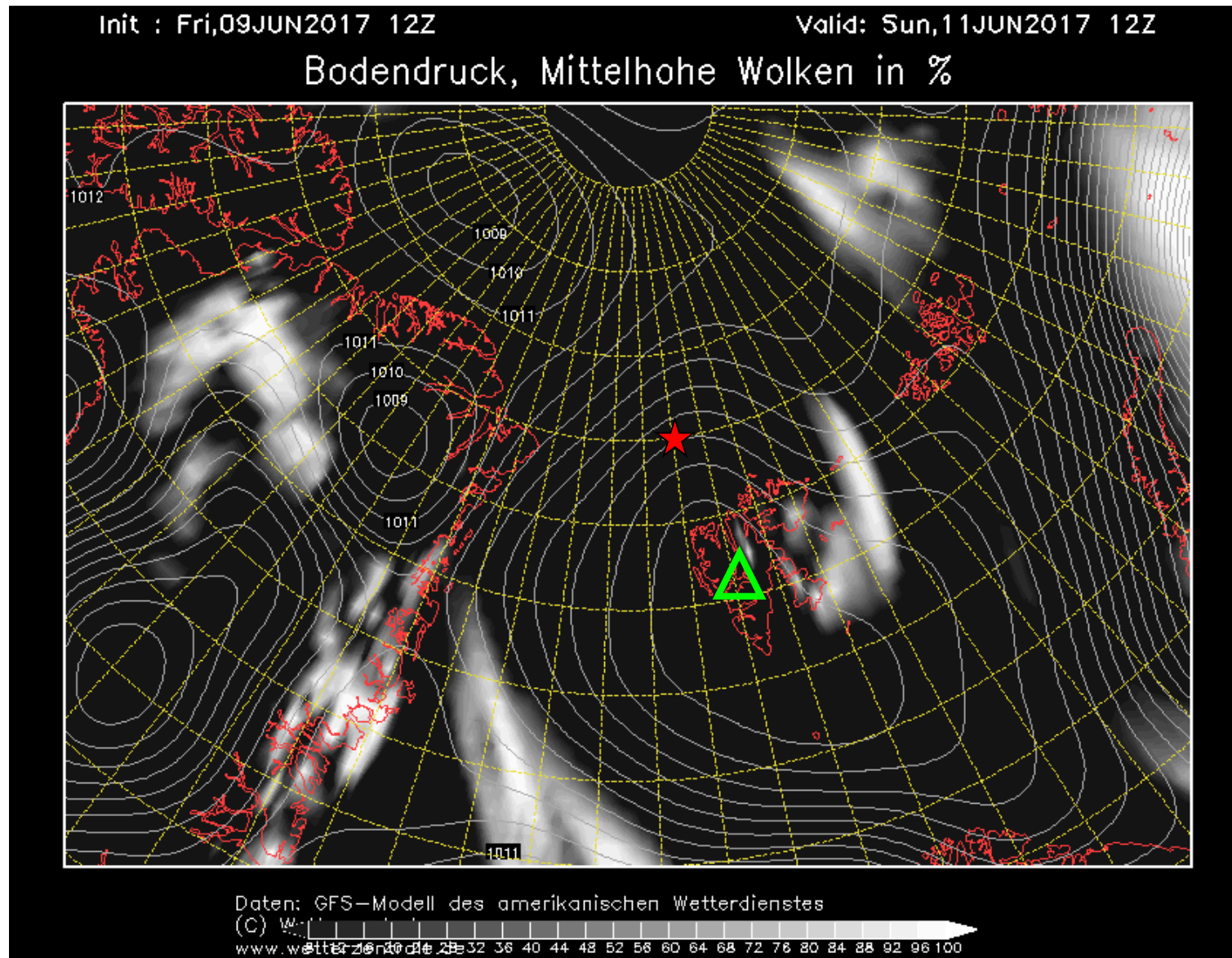
★ RV Polarstern (81.94° N, 10.92° E)





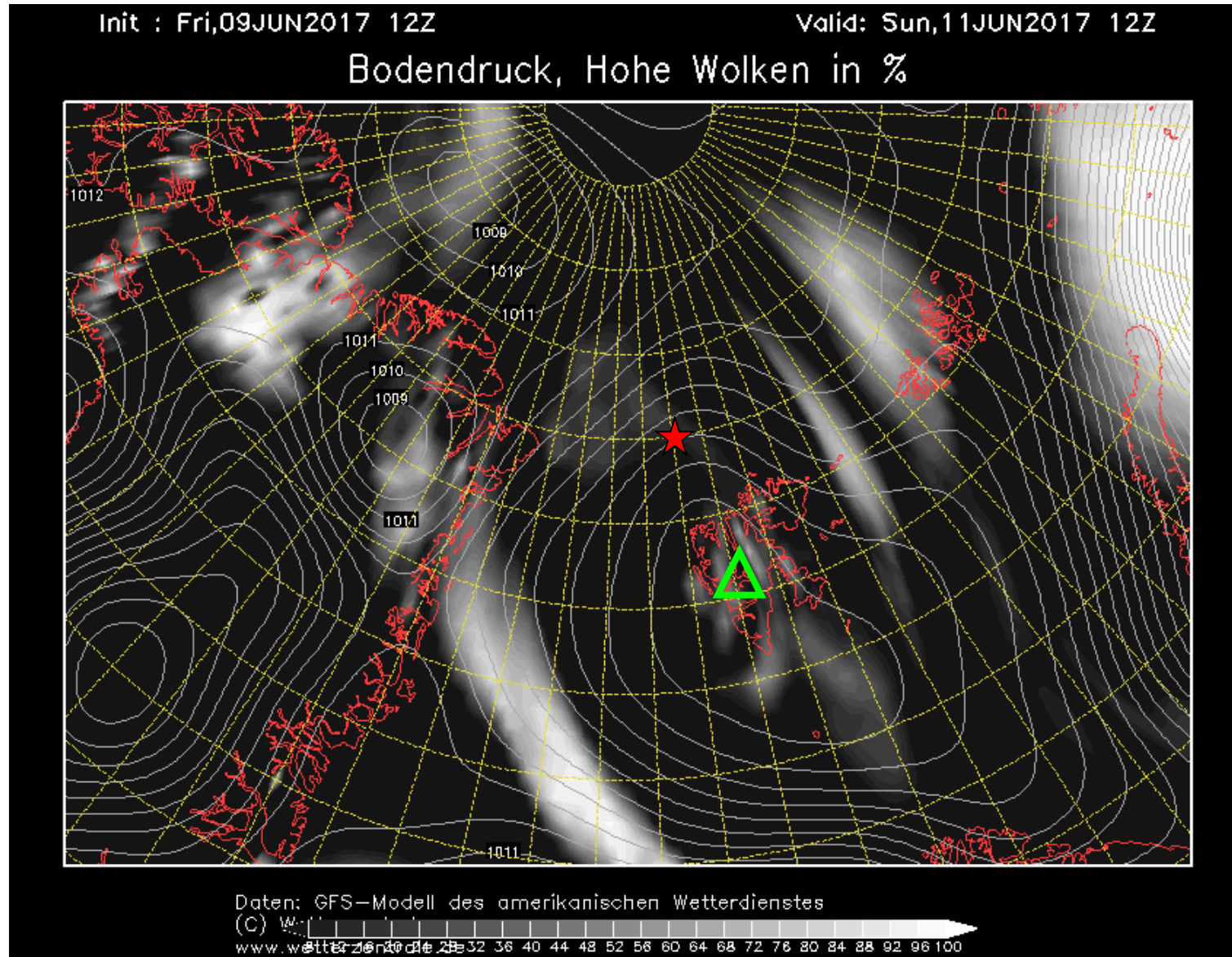
# Mid-level cloud cover 11 June 2017 @ 12 UTC

★ RV Polarstern (81.94° N, 10.92° E)



# High-level cloud cover 11 June 2017 @ 12 UTC

★ RV Polarstern (81.94° N, 10.92° E)

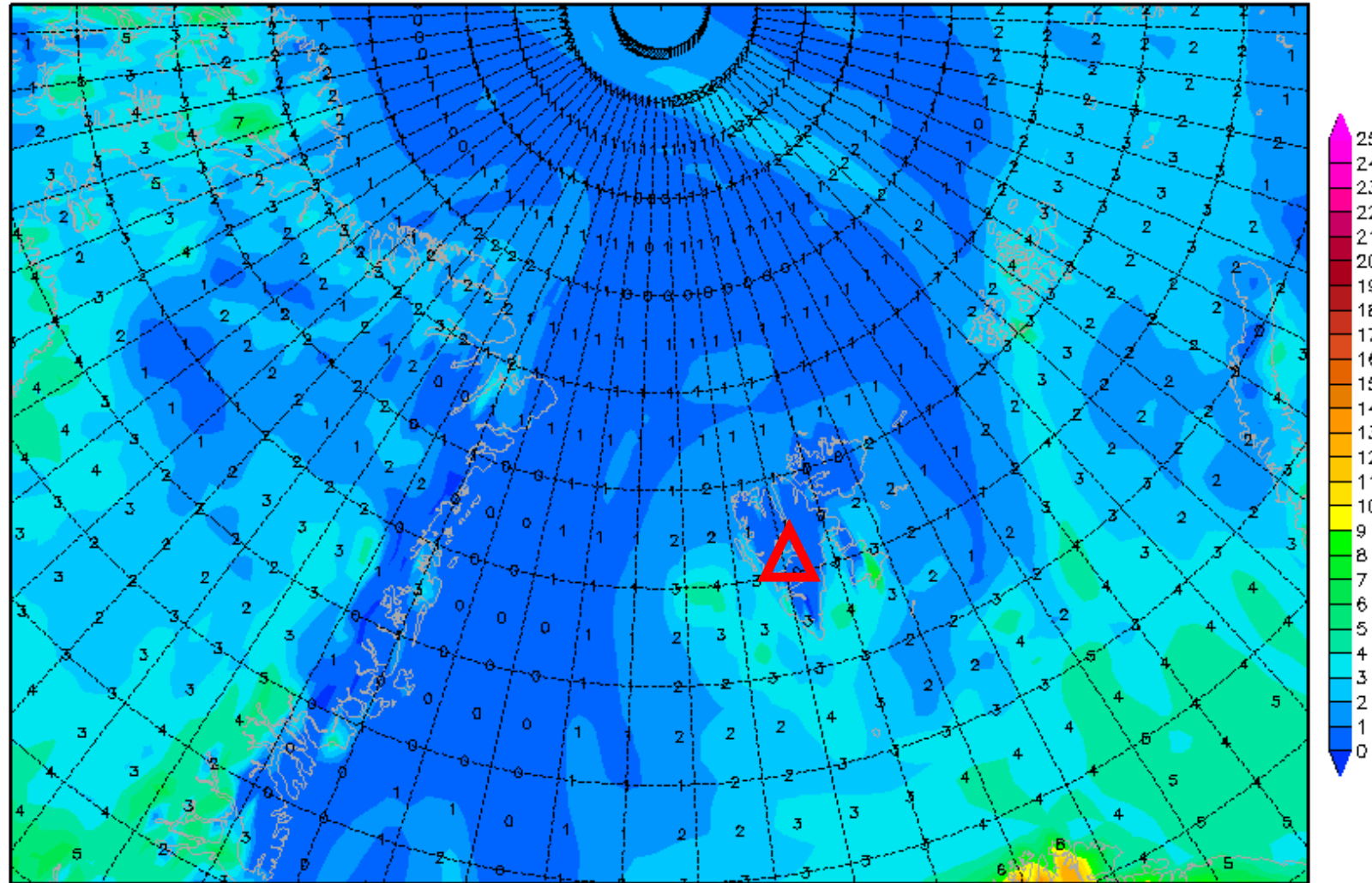


# 2-m dew point diff. 11 June 2017 @ 12 UTC

Init : Fri,09JUN2017 12Z

Valid: Sun,11JUN2017 12Z

*2m (Temperatur-Taupunkt)*



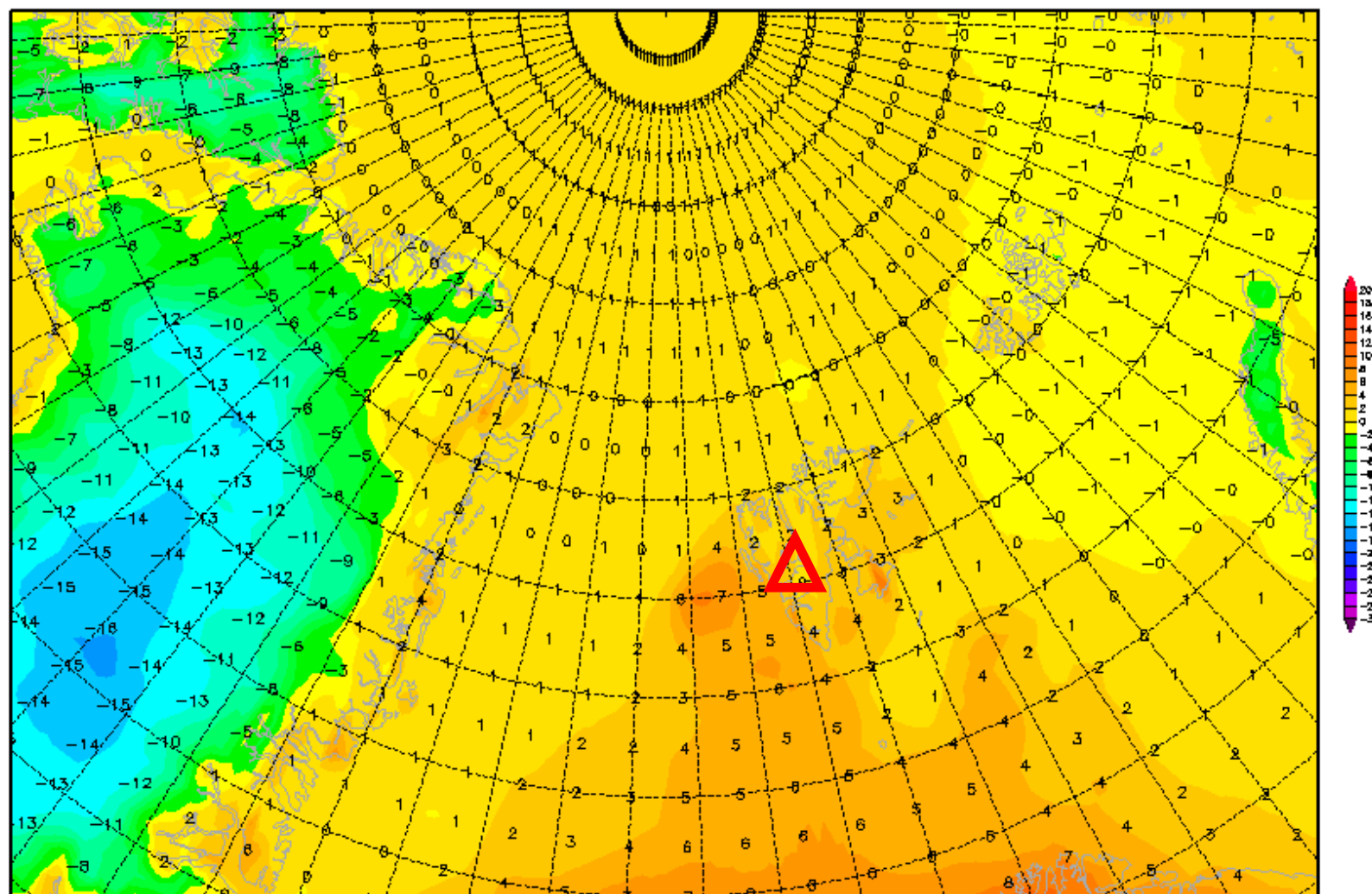
Daten: GFS  
(C) Wetterzentrale  
[www.wetterzentrale.de](http://www.wetterzentrale.de)

# 2-m temperature 11 June 2017 @ 12 UTC

Init : Fri,09JUN2017 12Z

Valid: Sun,11JUN2017 12Z

*2m Temperatur (°C)*

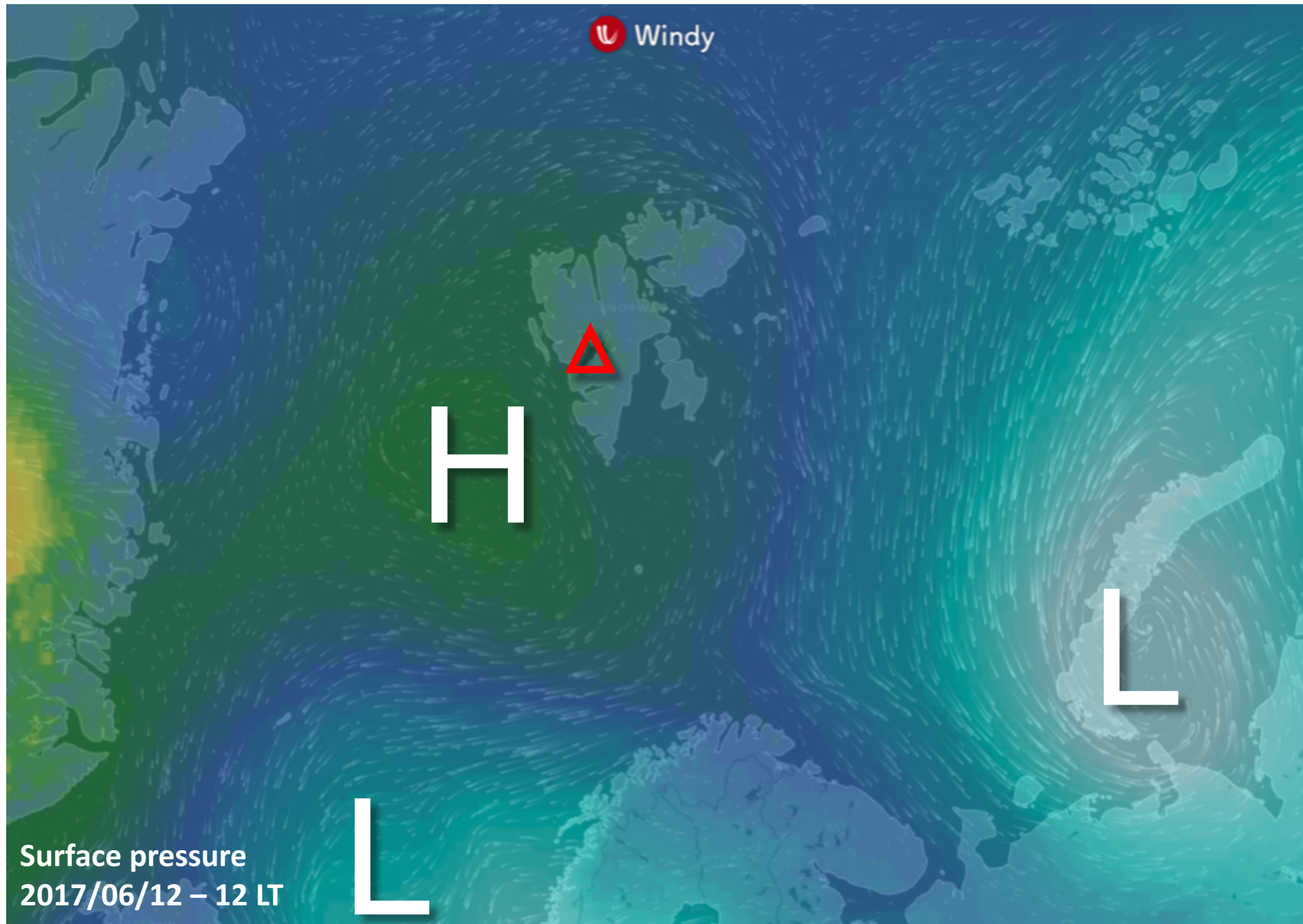


# Outlook

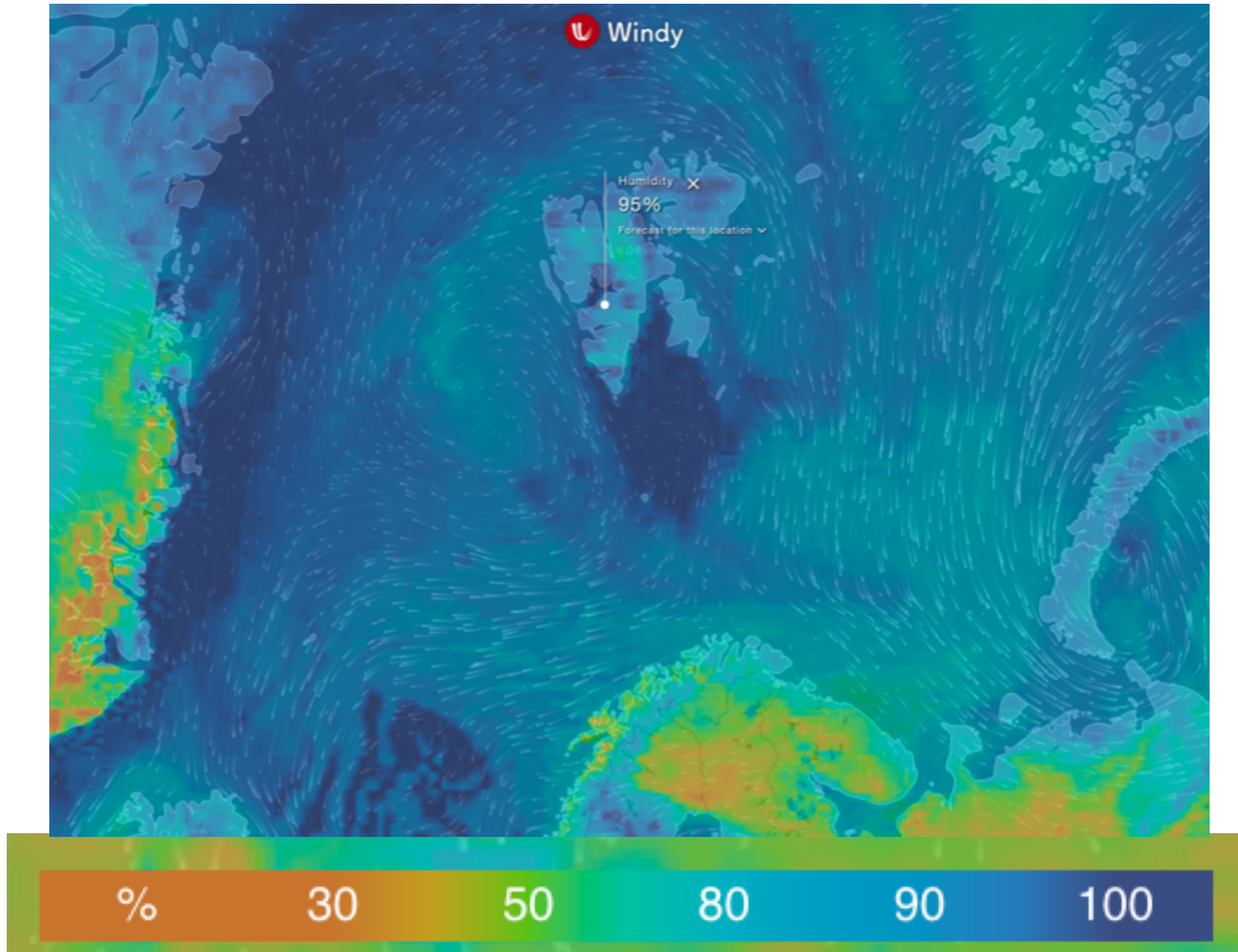
**Mon 12 June – Wed 14 June 2017**



# General Situation Mon 12 June 2017



# Rel. Humid 12 June 2017 @ 12:00



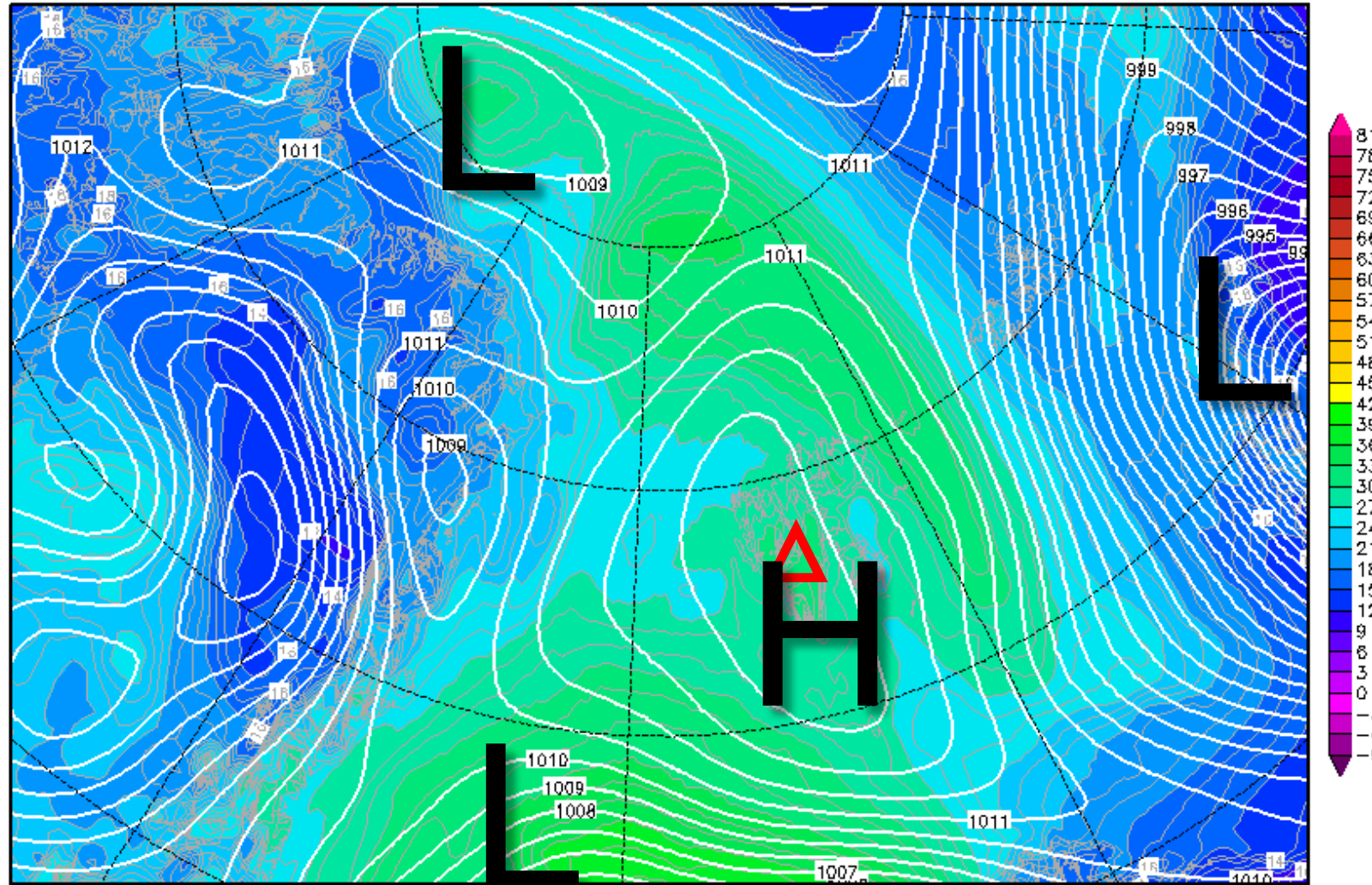


# 850-hPa Theta Equiv. 12 June 2017 @ 12 UTC

Init : Fri,09JUN2017 12Z

Valid: Mon,12JUN2017 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)

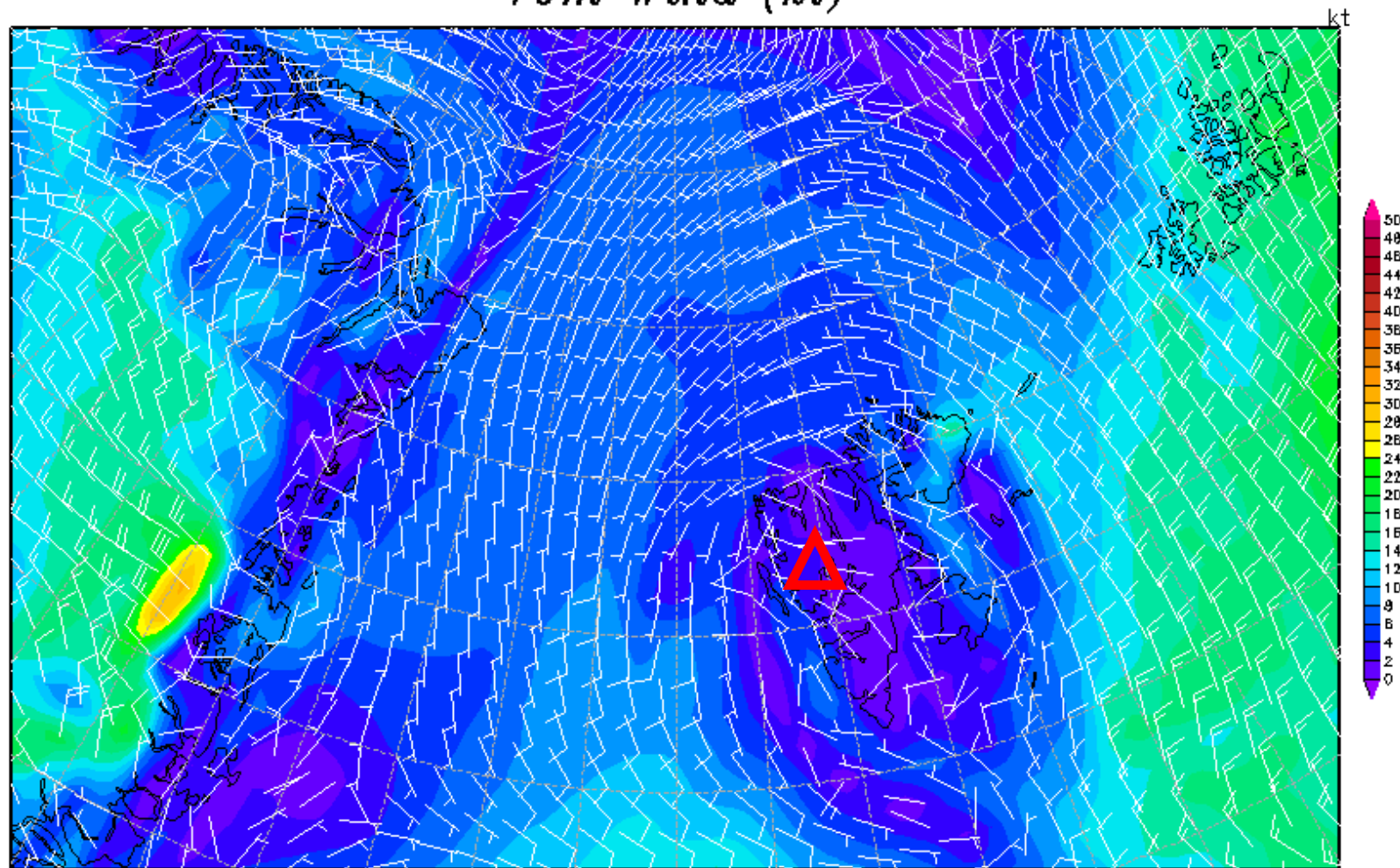


# 10m wind 12 June 2017 @ 12 UTC

Init : Fri,09JUN2017 12Z

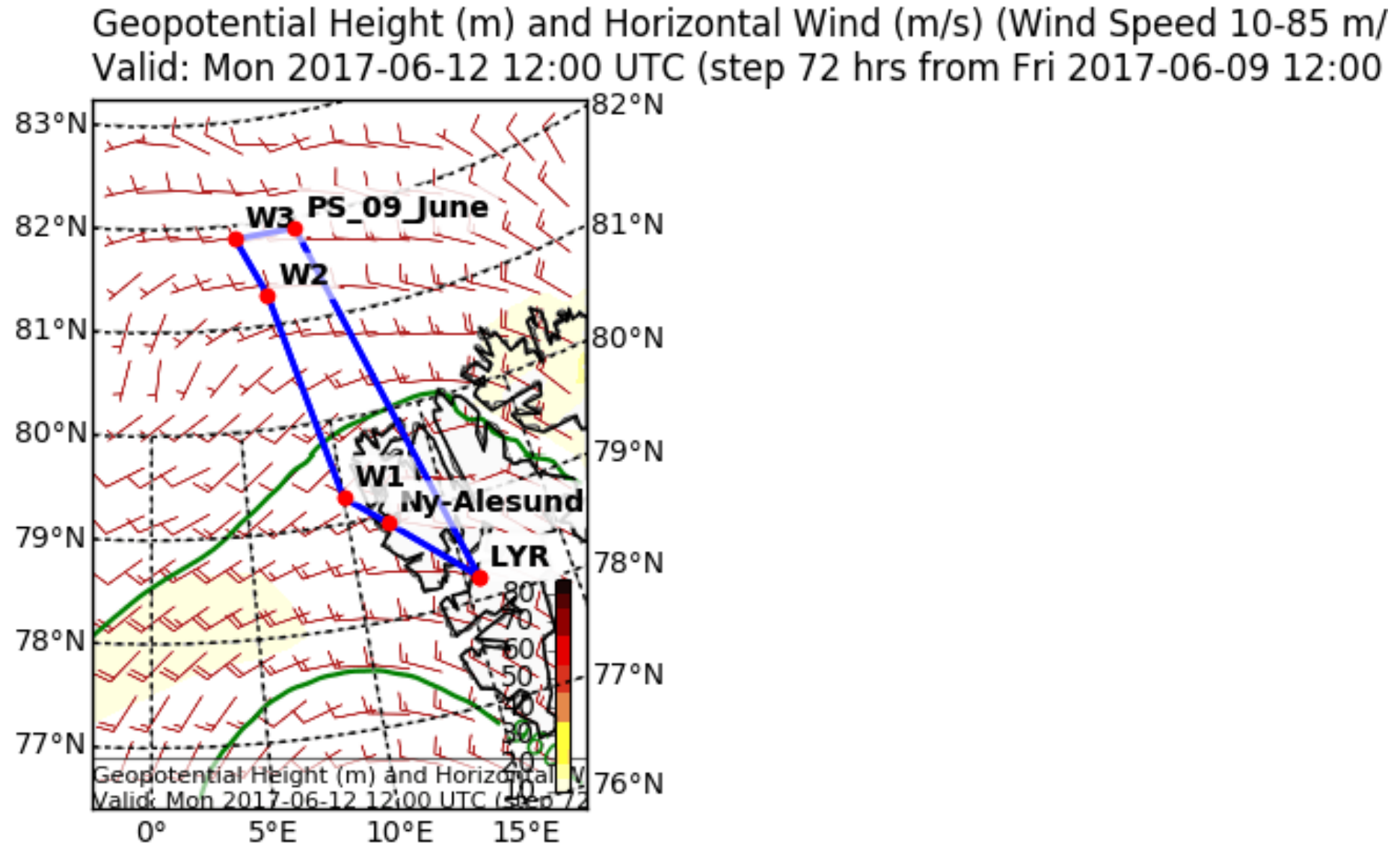
Valid: Mon,12JUN2017 12Z

10m Wind (kt)



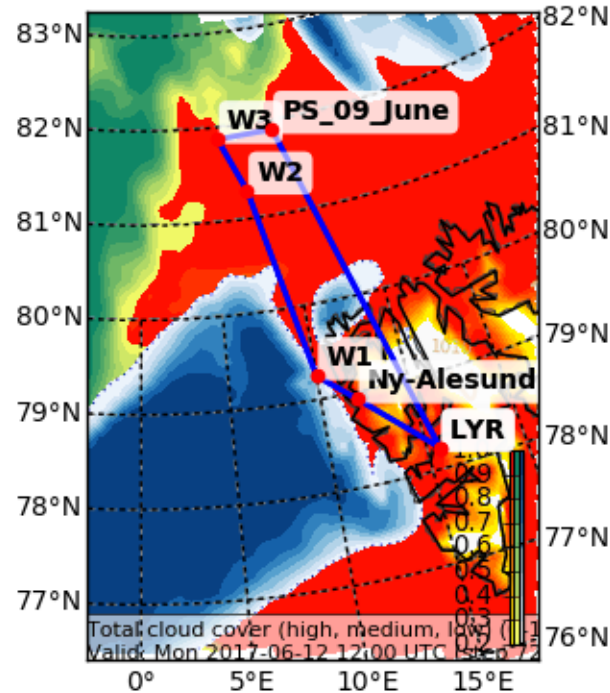
Daten: GFS-Modell des amerikanischen Wetterdienstes  
(C) Wetterzentrale  
[www.wetterzentrale.de](http://www.wetterzentrale.de)

# Wind, After Tomorrow 12 UTC

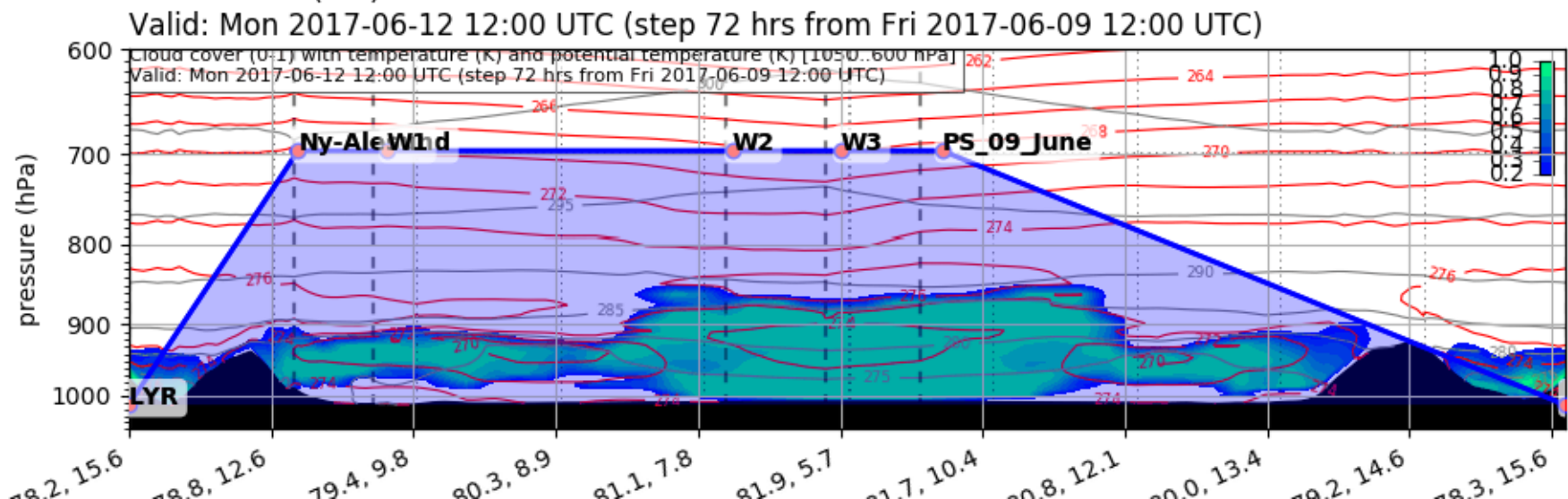


# Forecast After Monday 12 UTC

Cloud Cover (0-1) (Total Cloud Cover)  
Valid: Mon 2017-06-12 12:00 UTC (step 72 hrs from Fri 2017-06-09 12:00)

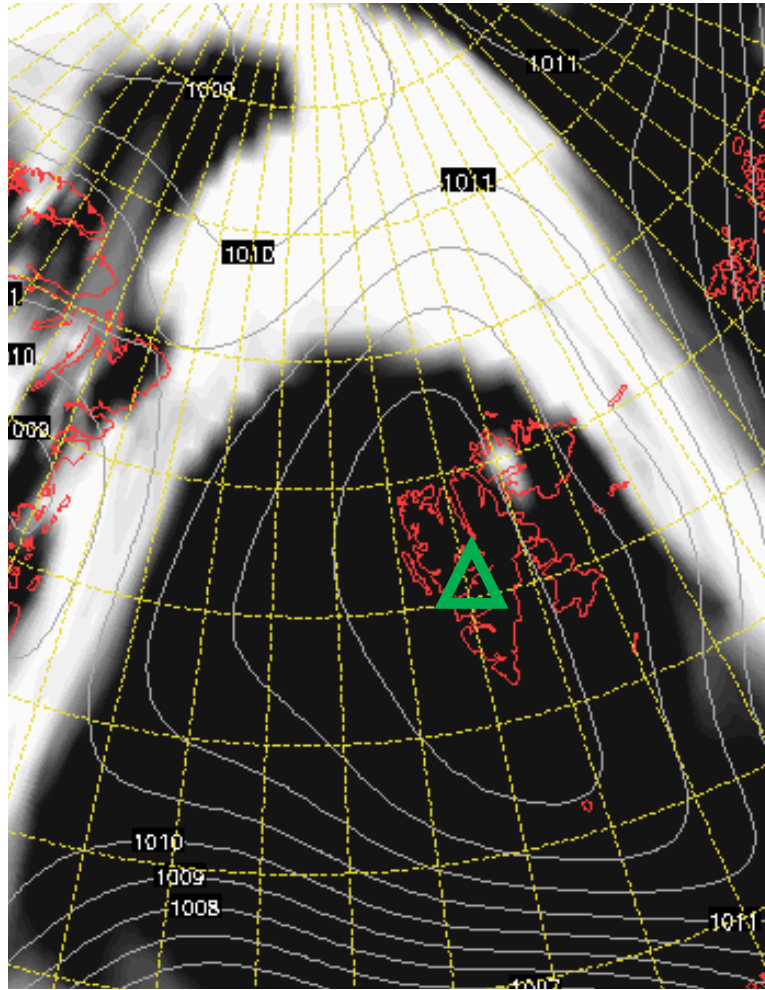


EPSG:77790000

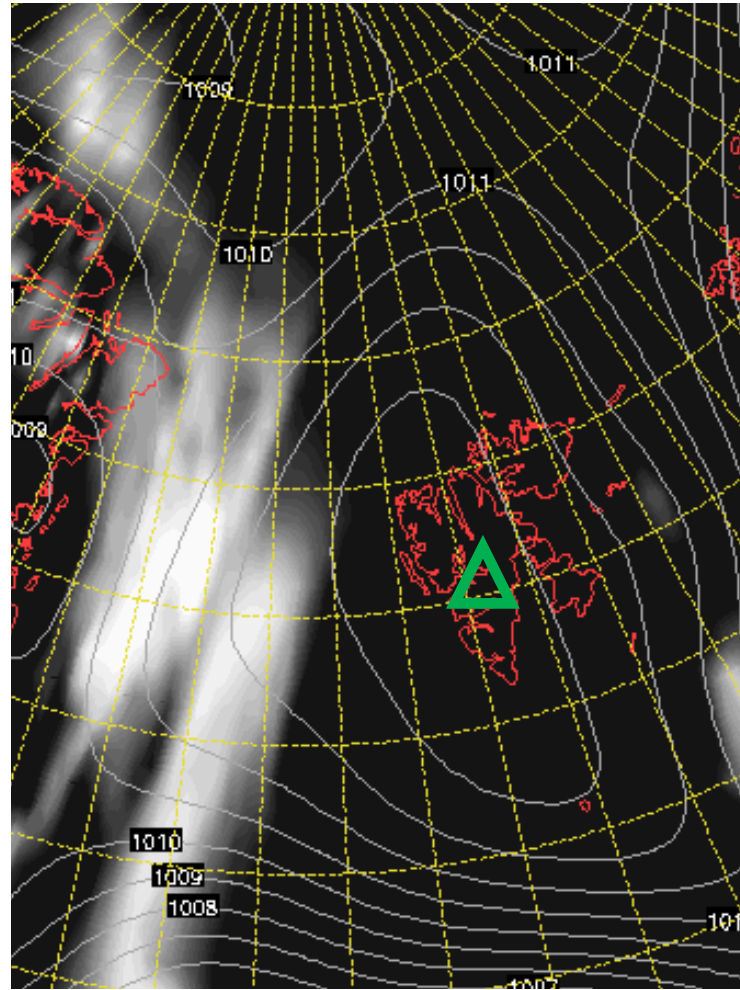


# Cloud Cover 12 June 2017 @ 12 UTC

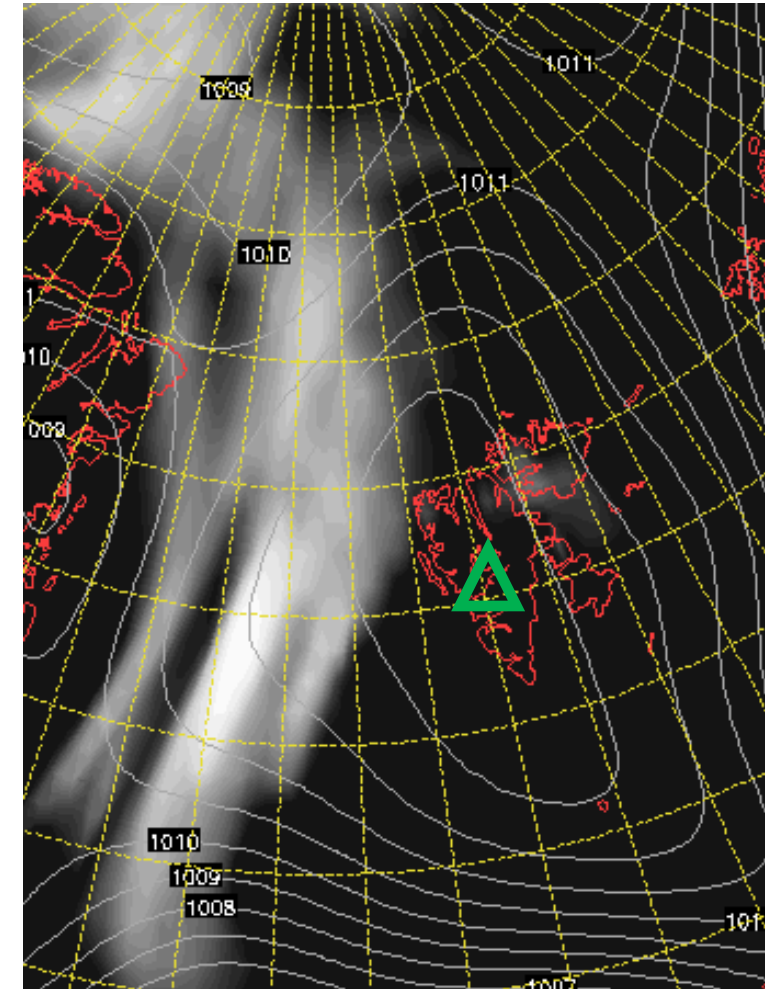
L



M



H



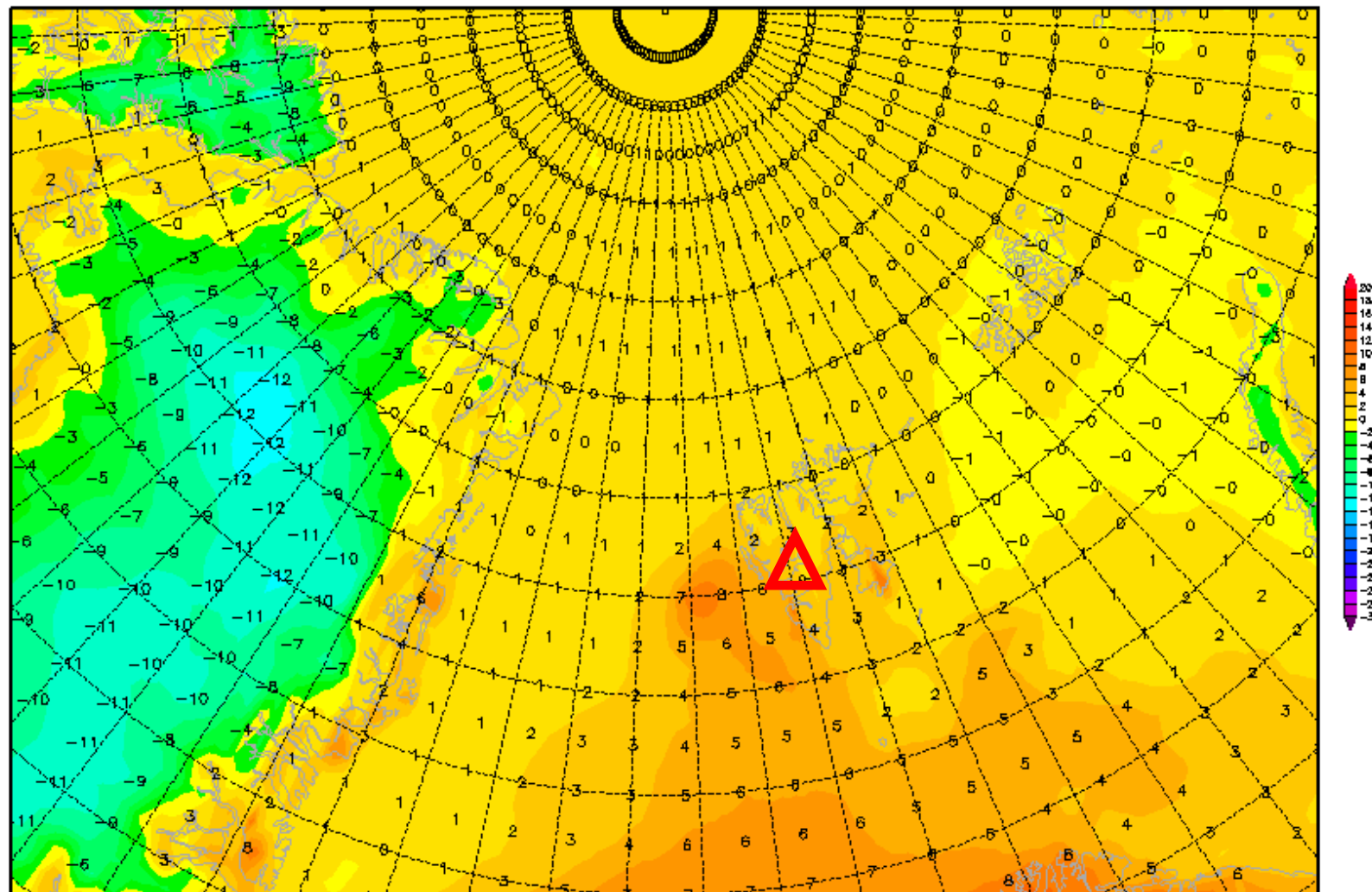


# 2-m temperature 12 June 2017 @ 12 UTC

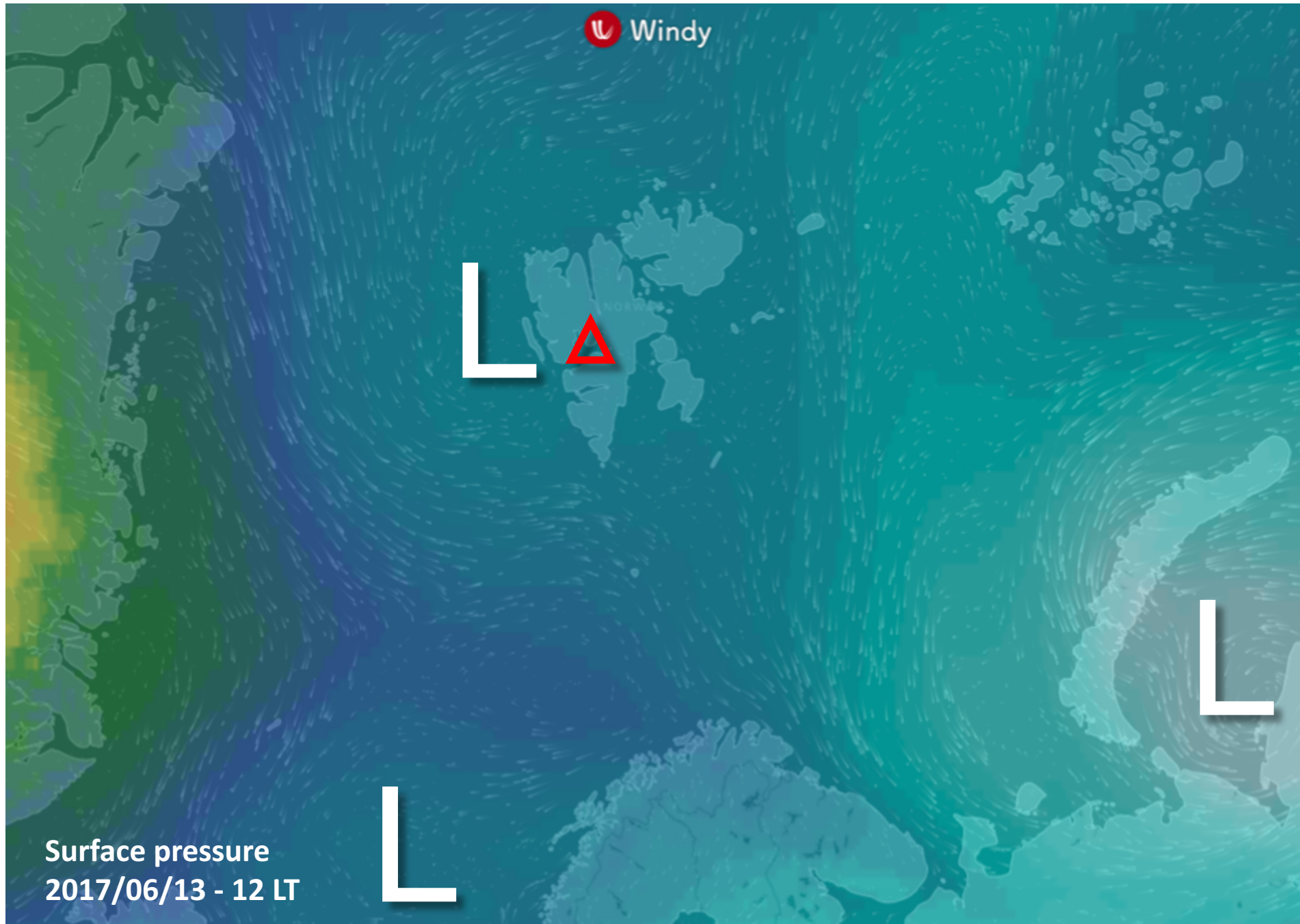
Init : Fri,09JUN2017 12Z

Valid: Mon,12JUN2017 12Z

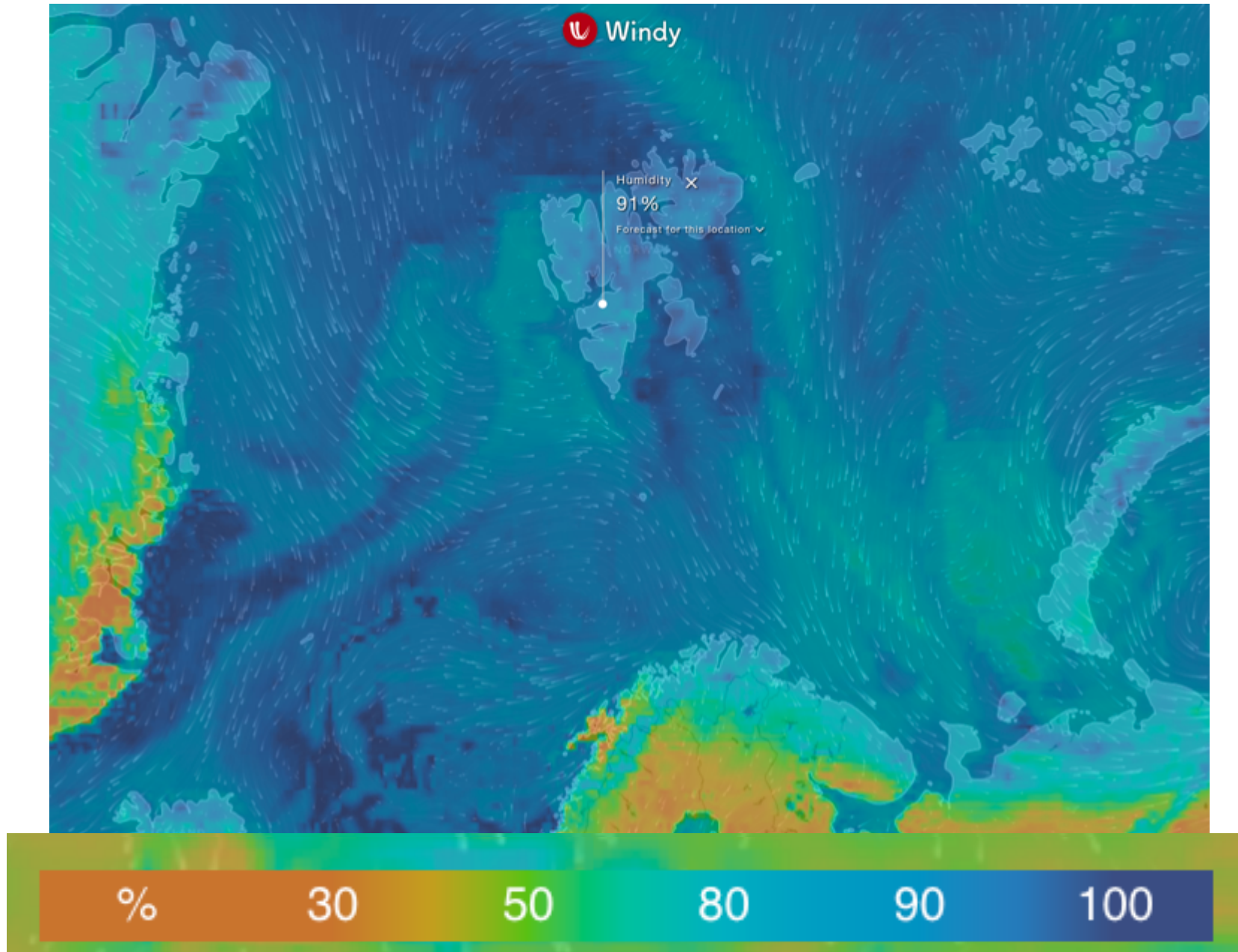
*2m Temperatur (°C)*



# General Situation Tue 13 June 2017



# Rel Humid 13 June 2017 @ 12:00



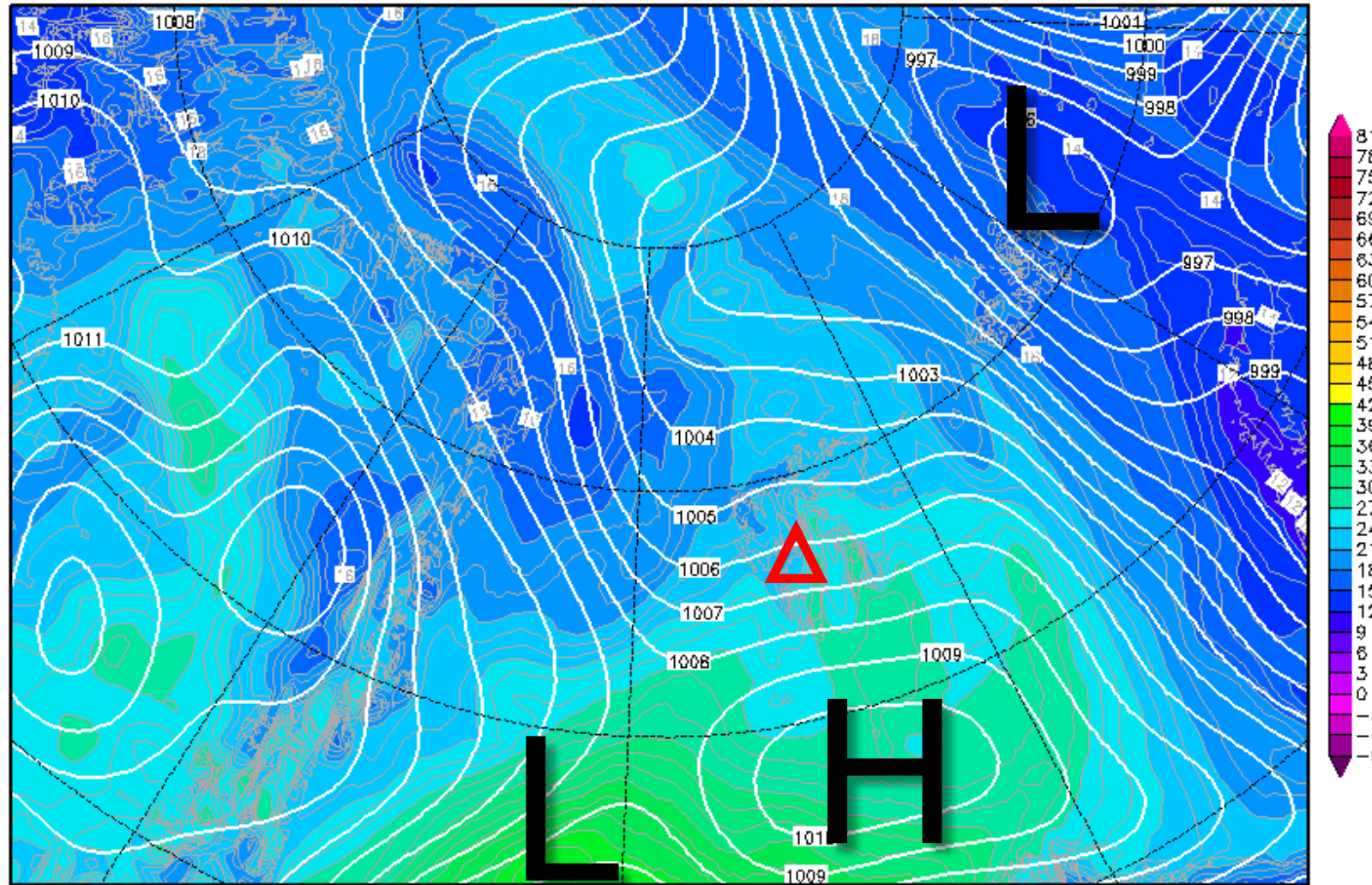


# 850-hPa Theta Equiv. 13 June 2017 @ 12 UTC

Init : Fri,09JUN2017 12Z

Valid: Tue,13JUN2017 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)

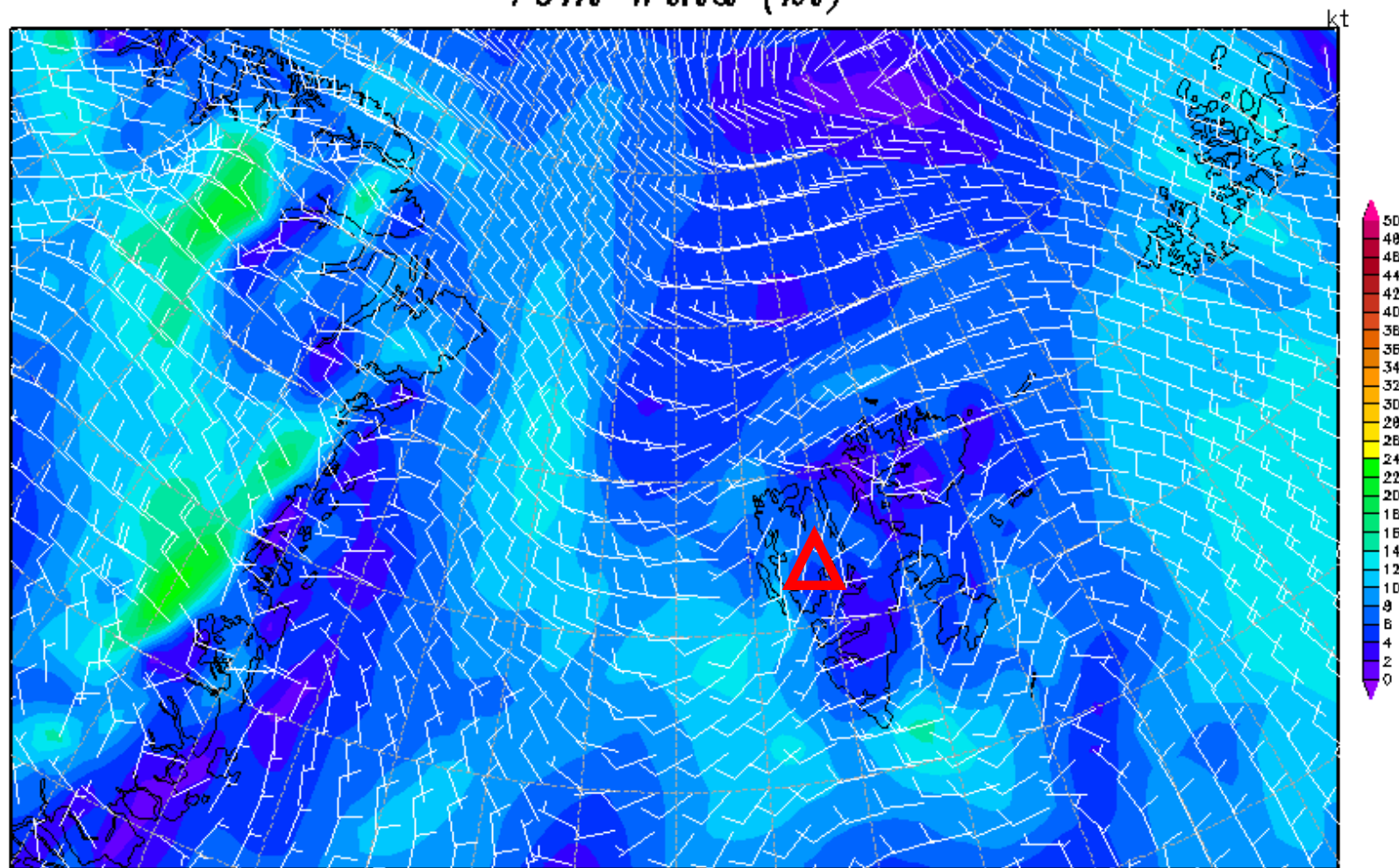


# 10m wind 13 June 2017 @ 12 UTC

Init : Fri,09JUN2017 12Z

Valid: Tue,13JUN2017 12Z

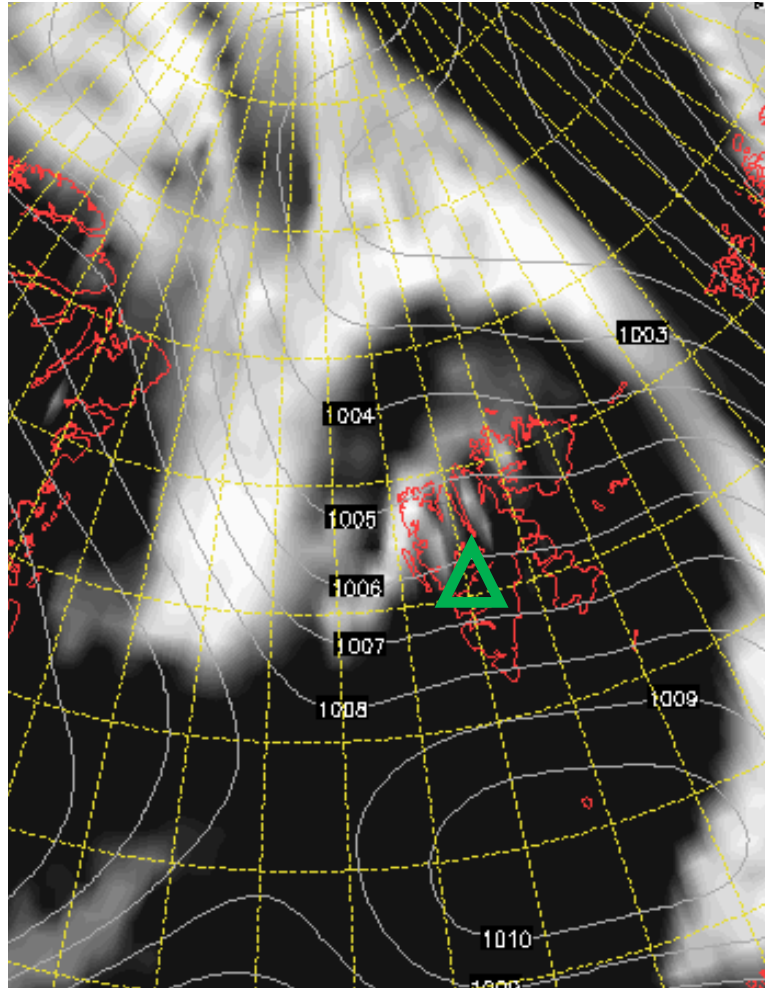
10m Wind (kt)



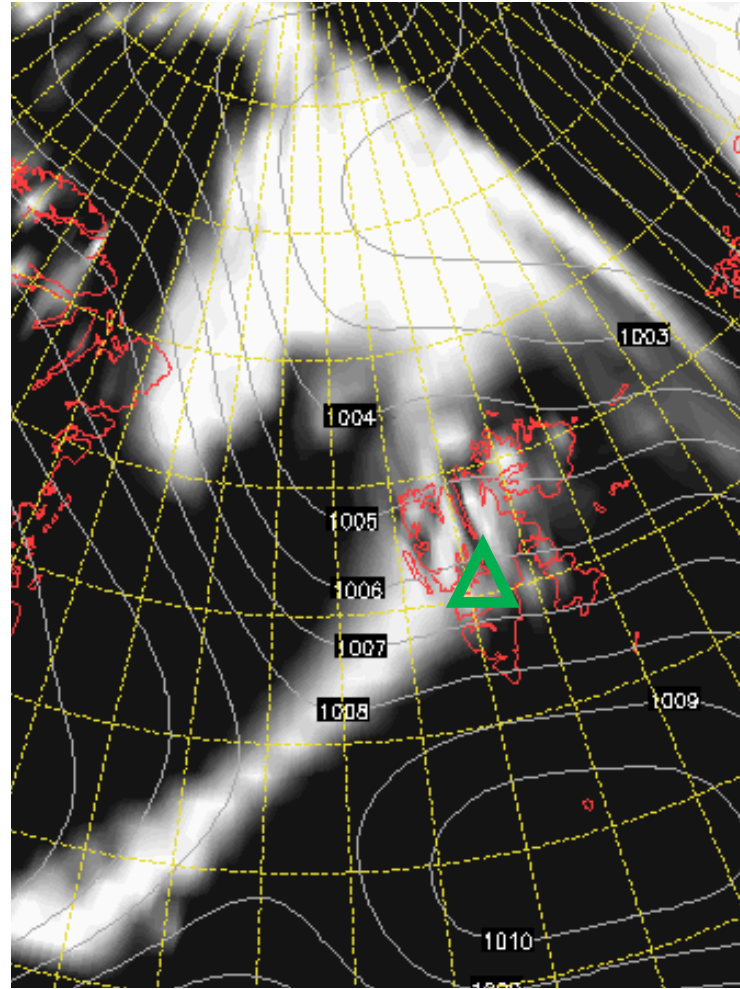
Daten: GFS-Modell des amerikanischen Wetterdienstes  
(C) Wetterzentrale  
[www.wetterzentrale.de](http://www.wetterzentrale.de)

# Cloud Cover 13 June 2017 @ 12 UTC

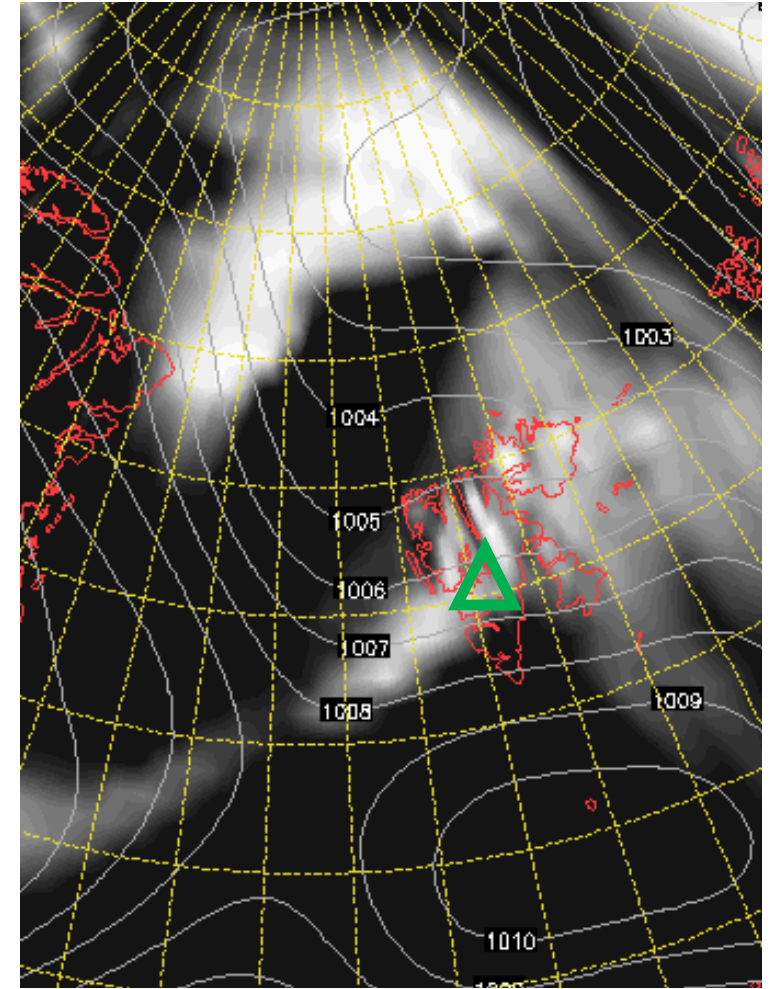
L



M



H

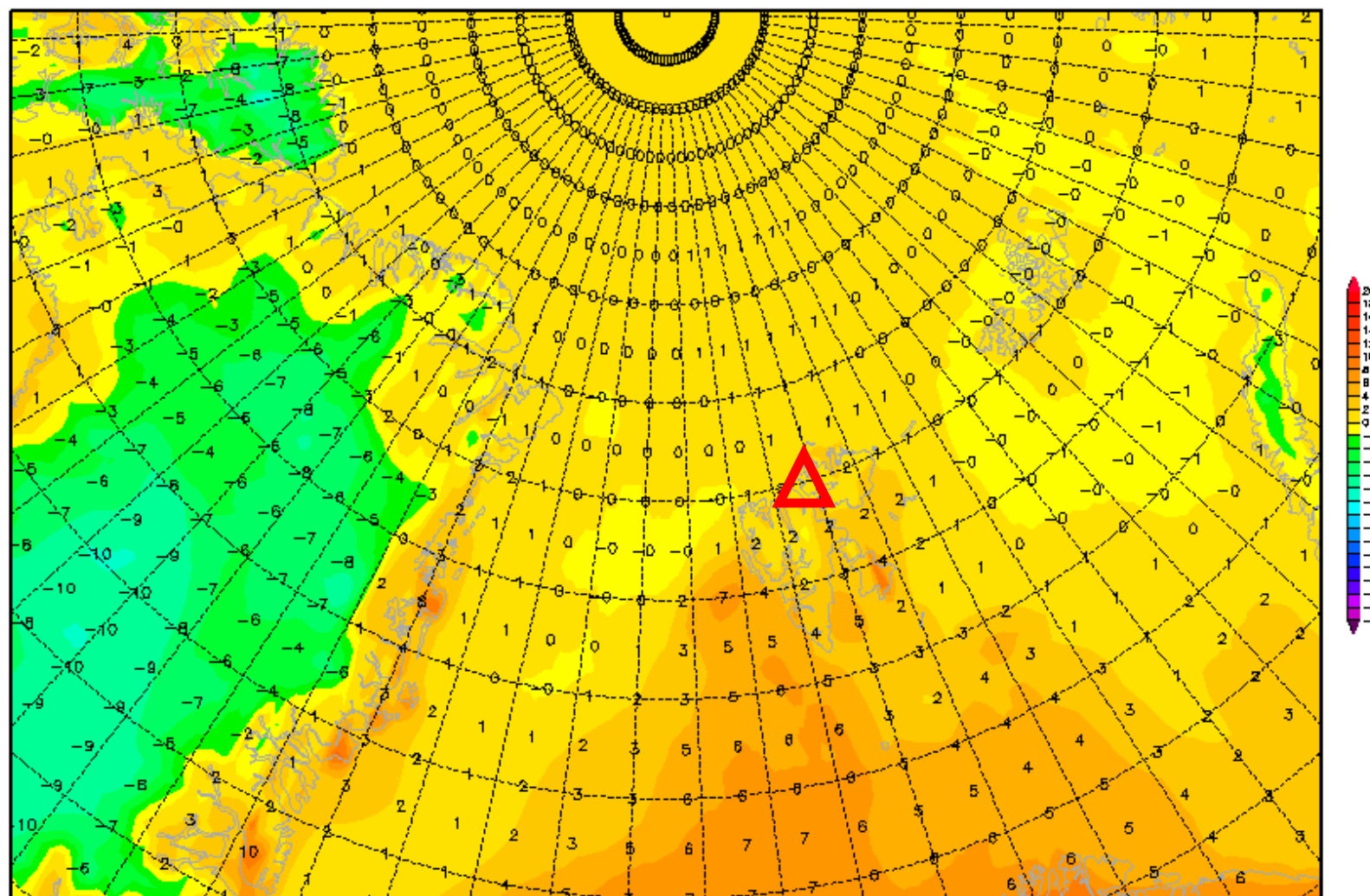


# 2-m temperature 13 June 2017 @ 12 UTC

Init : Fri,09JUN2017 12Z

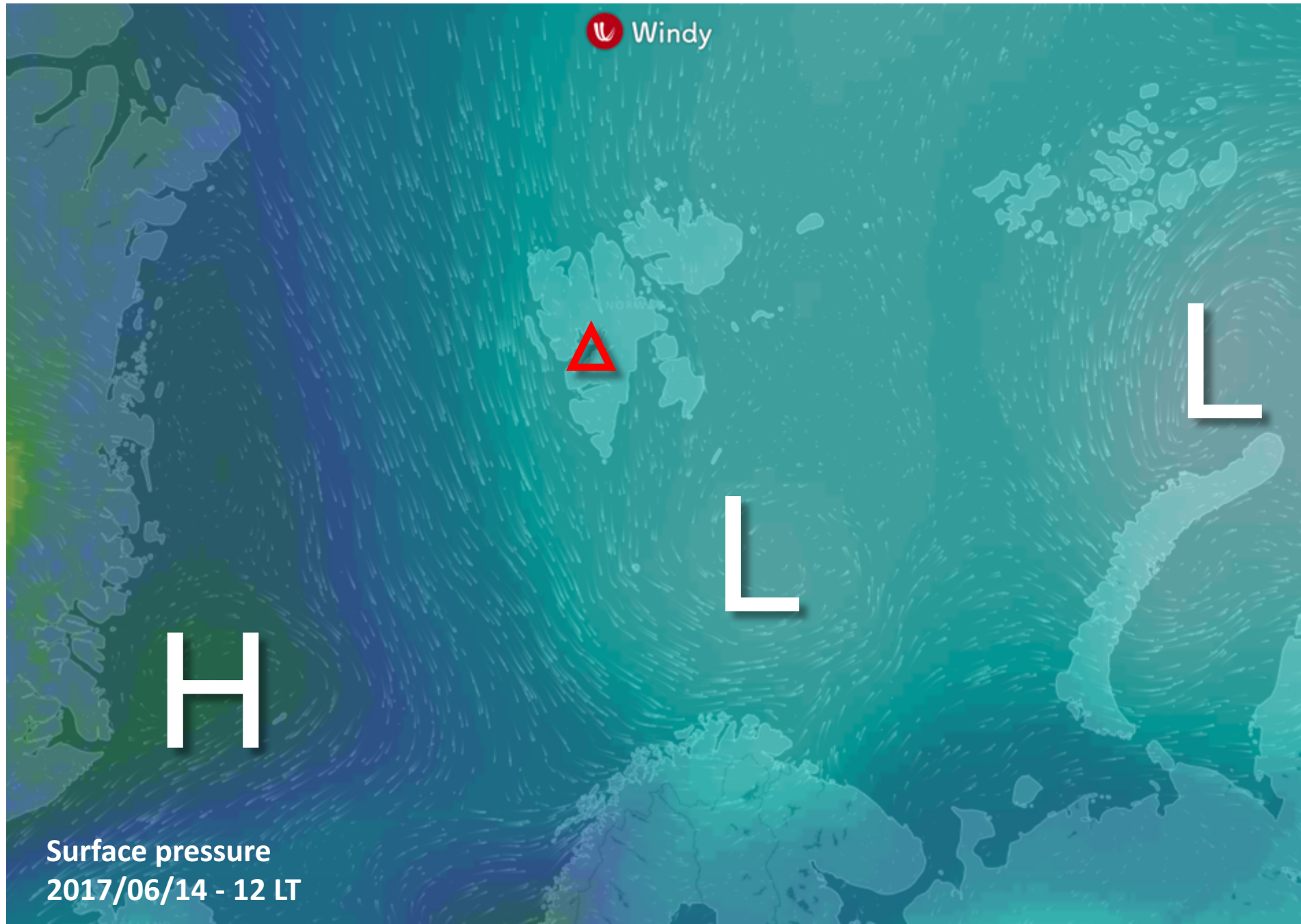
Valid: Tue,13JUN2017 12Z

*2m Temperatur (°C)*



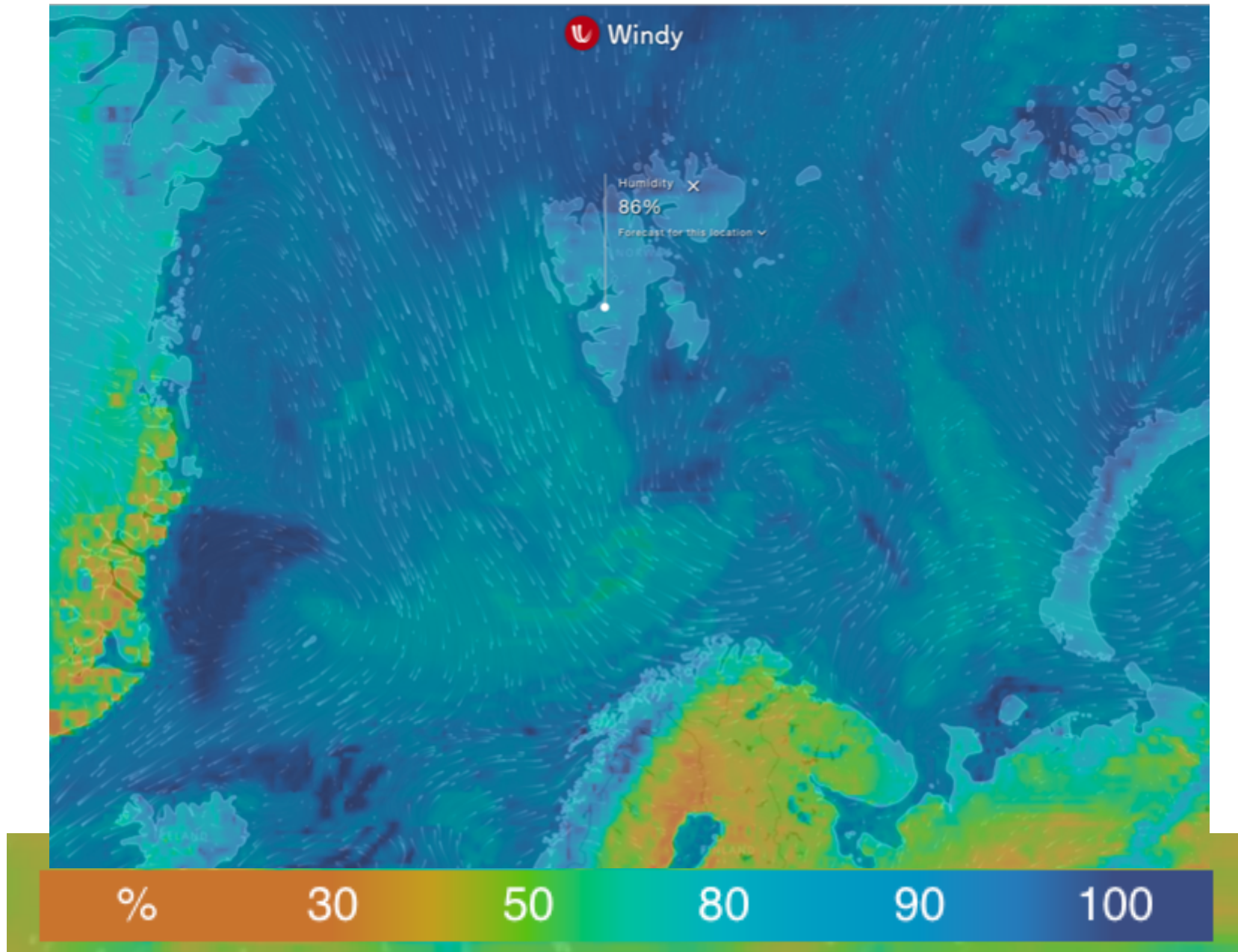


# General Situation Wed 14 June 2017





# Rel Humid 14 June 2017 @ 12:00

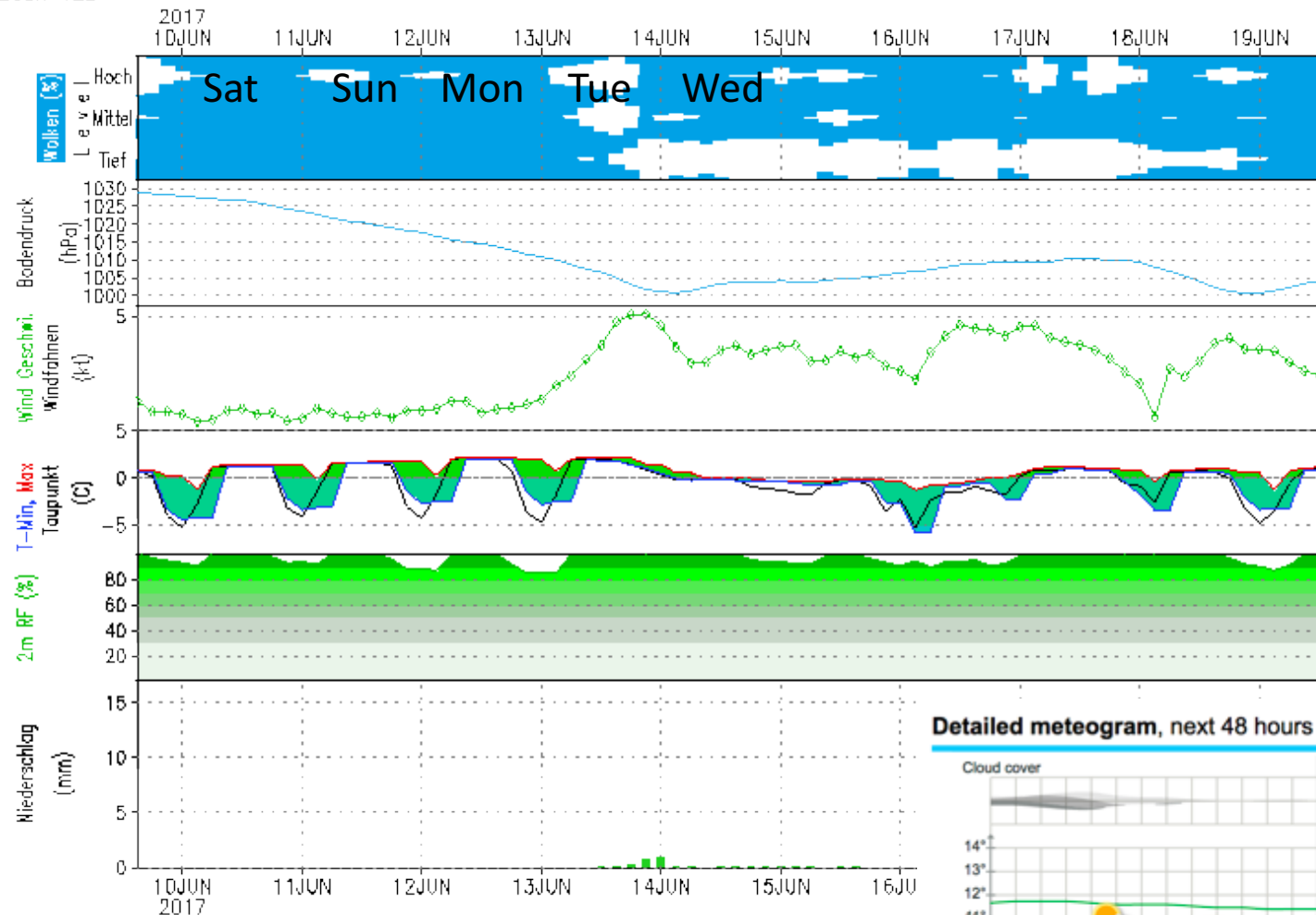


# GFS – Meteogramm

Lon: 15.63 Lat: 78.22 Hgt: 331m

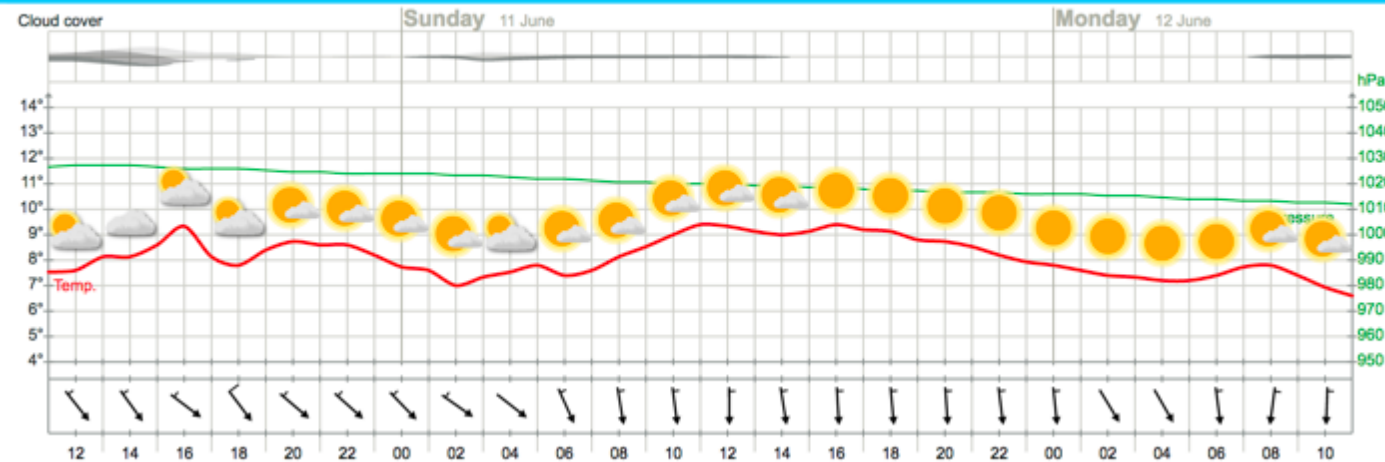
Lauf: 122

## Outlook – Meteogram



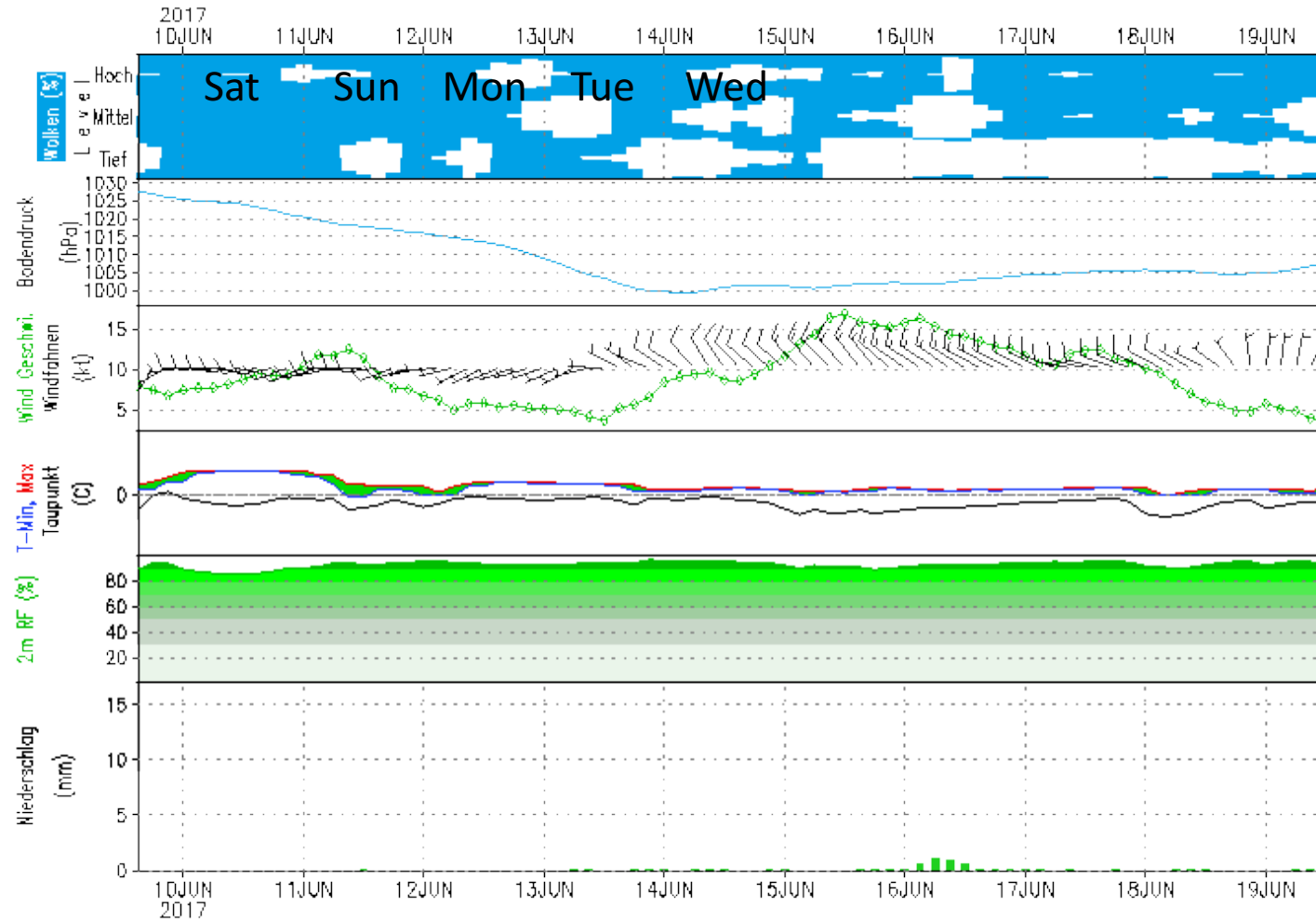
Heute kein Sonnenaufgang  
Heute kein Sonnenuntergang

### Detailed meteogram, next 48 hours



YR.no

# Outlook – Meteogram Polarstern



Heute kein Sonnenaufgang  
Heute kein Sonnenuntergang

