

Weather briefing

ACLOUD Longyearbyen, Svalbard

Sun 28 May 2017 – **Mon 29 May** – Wed 31 May 2017

Summary

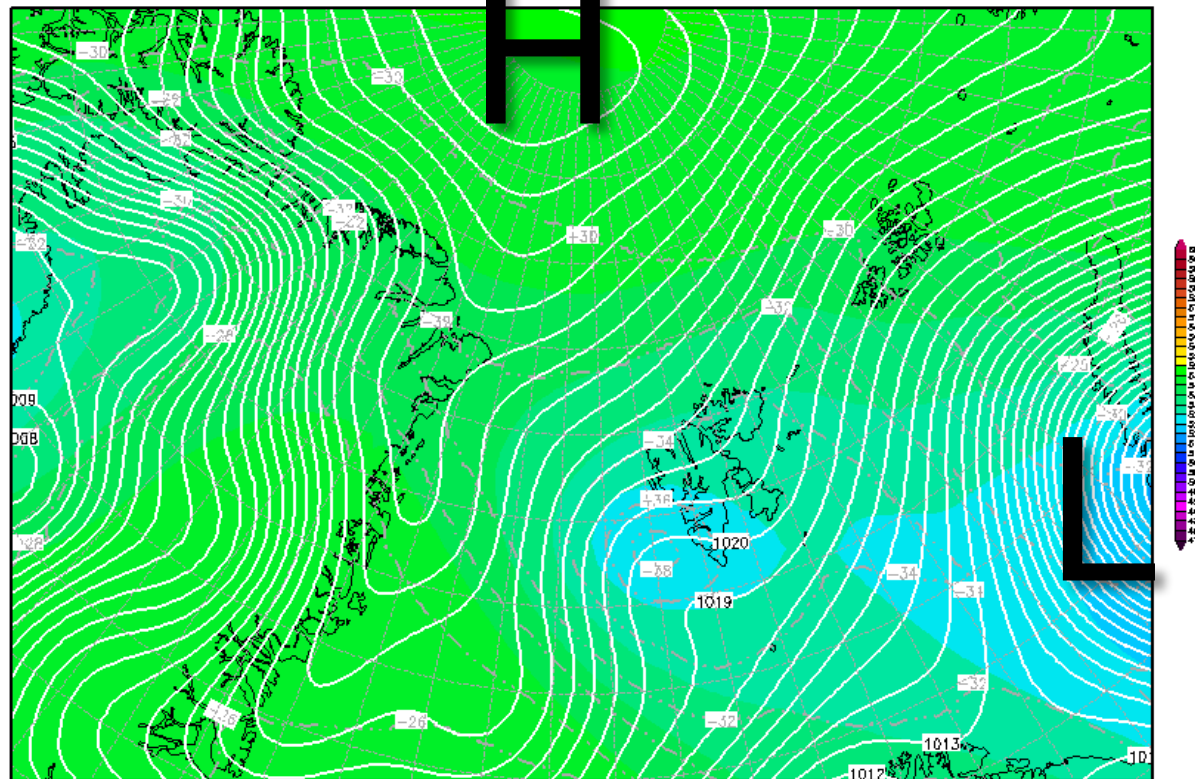
A high north of Greenland and a low with core over Novaya Zemlya directs a northeasterly airflow over Svalbard area, which is deflected to northerly winds by a disturbance south of Svalbard. Frontal clouds approaching at different levels from northeast.

Analysis 28 May 2017 @ 12 UTC

Init : Sun,28MAY2017 00Z

Valid: Sun,28MAY2017 12Z

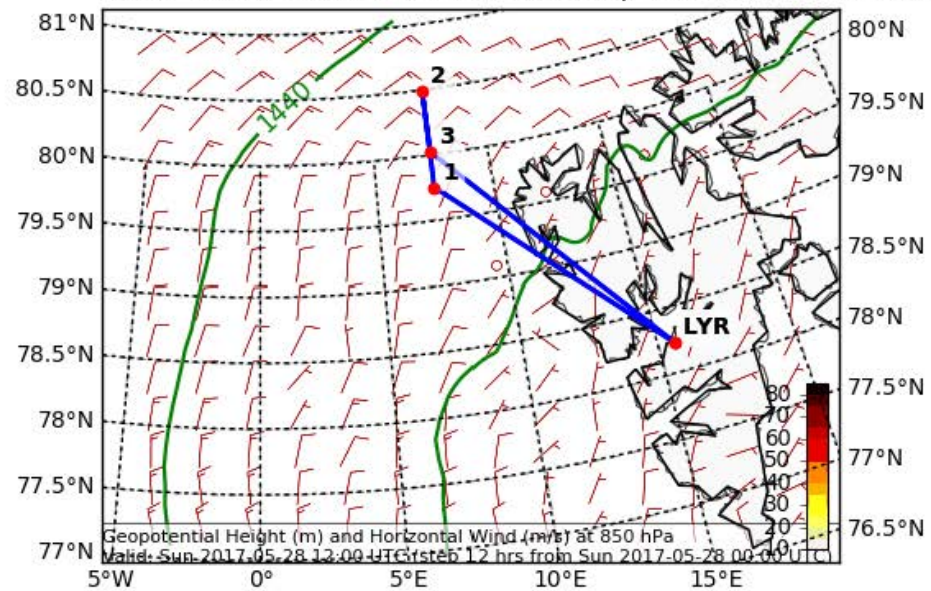
500 hPa Geopot.(gpm), T (C) und Bodendr. (hPa)



Wind

Today 12 UTC

Geopotential Height (m) and Horizontal Wind (m/s) (Wind Speed 10-85 m/s) at 850 (hP
Valid: Sun 2017-05-28 12:00 UTC (step 12 hrs from Sun 2017-05-28 00:00 UTC)



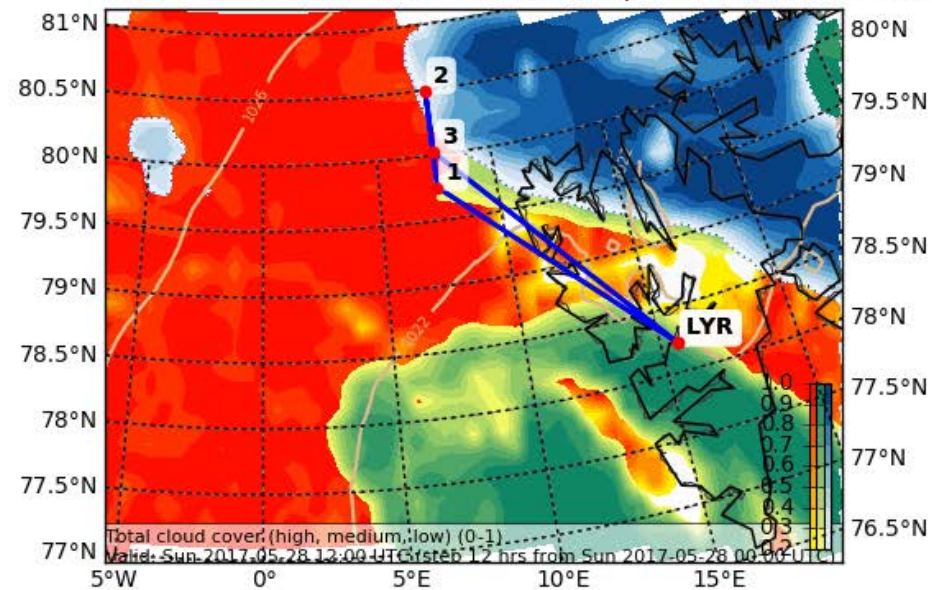
EPSG:77790000

Clouds

Today 12 UTC

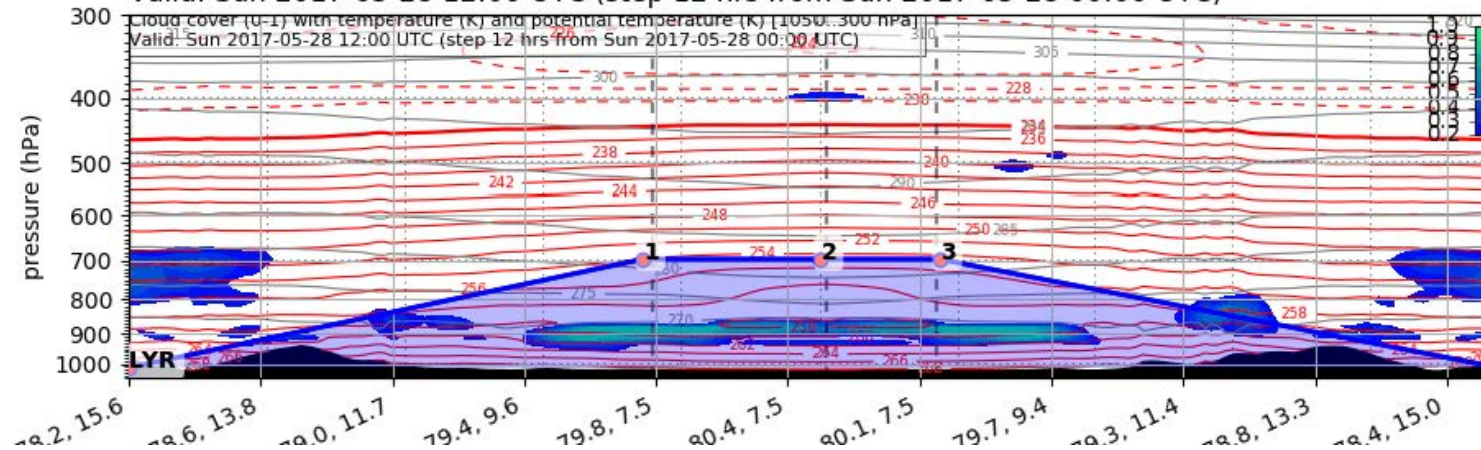
Cloud Cover (0-1) (Total Cloud Cover)

Valid: Sun 2017-05-28 12:00 UTC (step 12 hrs from Sun 2017-05-28 00:00 UTC)

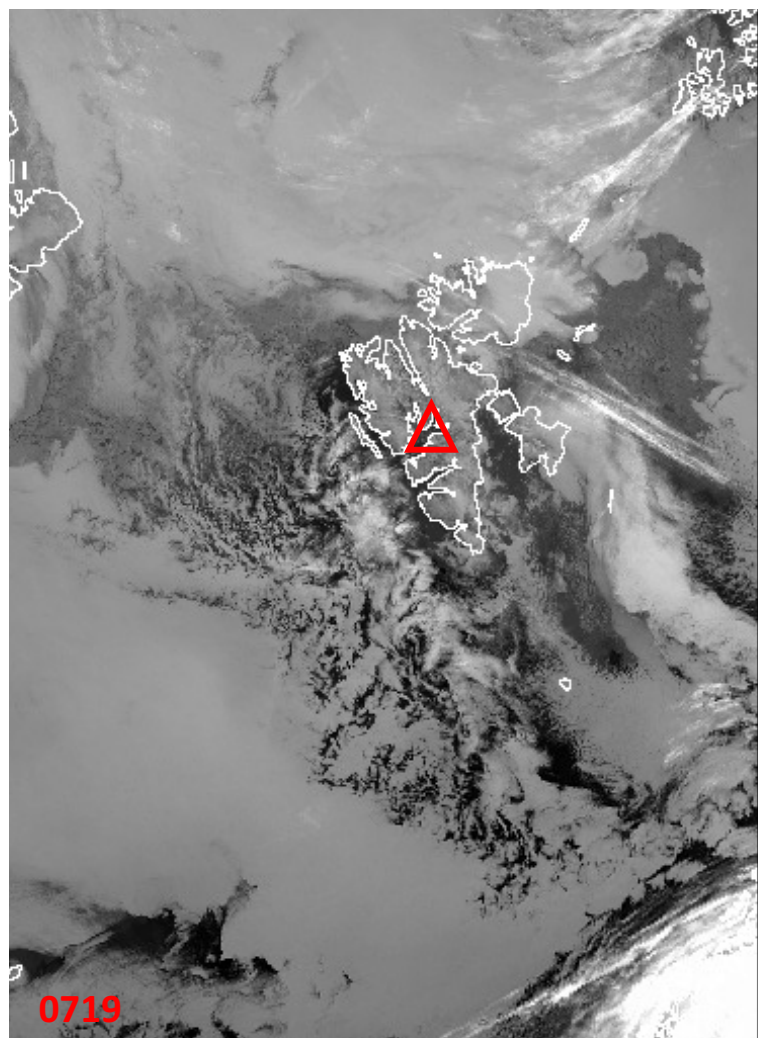


EPSG:77790000

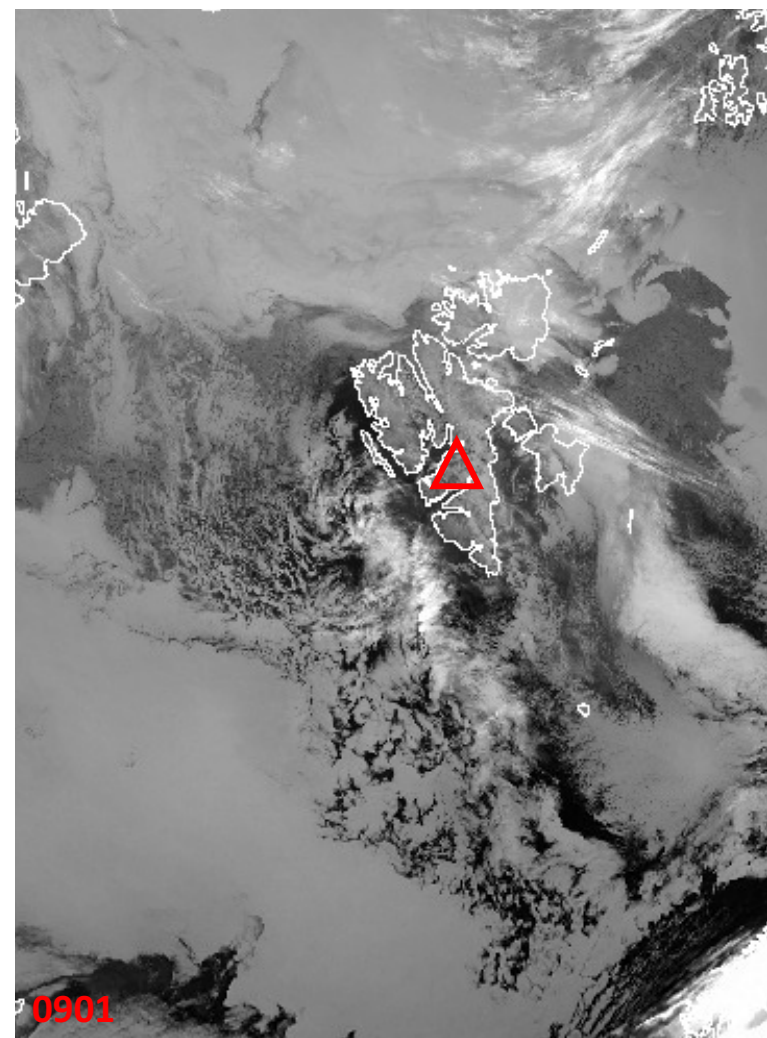
Valid: Sun 2017-05-28 12:00 UTC (step 12 hrs from Sun 2017-05-28 00:00 UTC)



NOAA-19 28 May 2017 @ 0719 & 0901 UTC

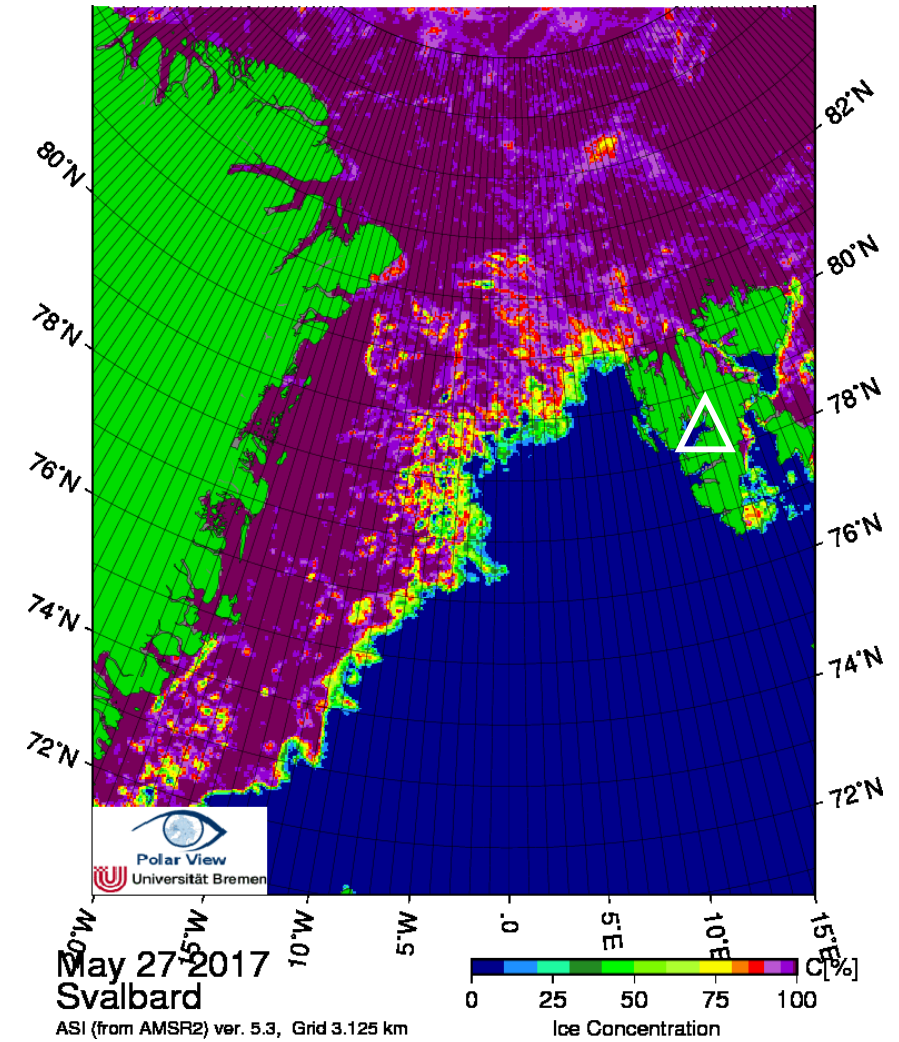
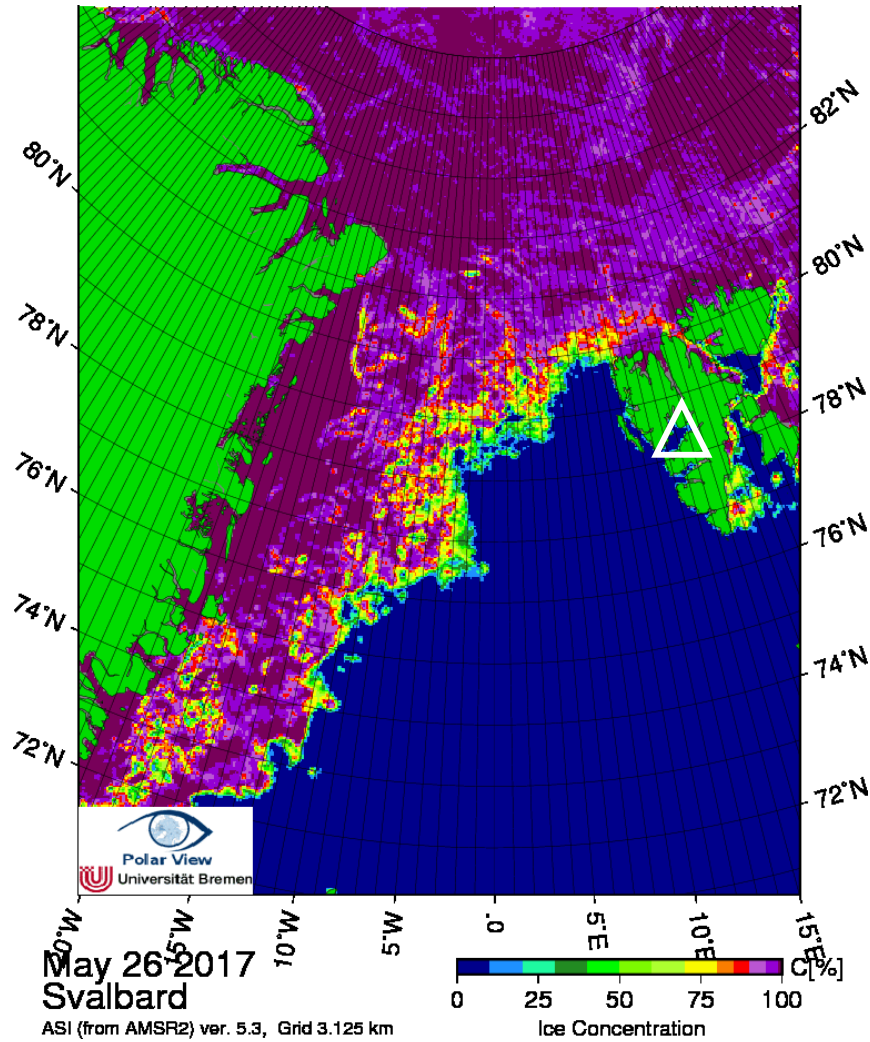


10.8 μm



10.8 μm

Arctic sea ice 26 & 27 May 2017



Flight Day

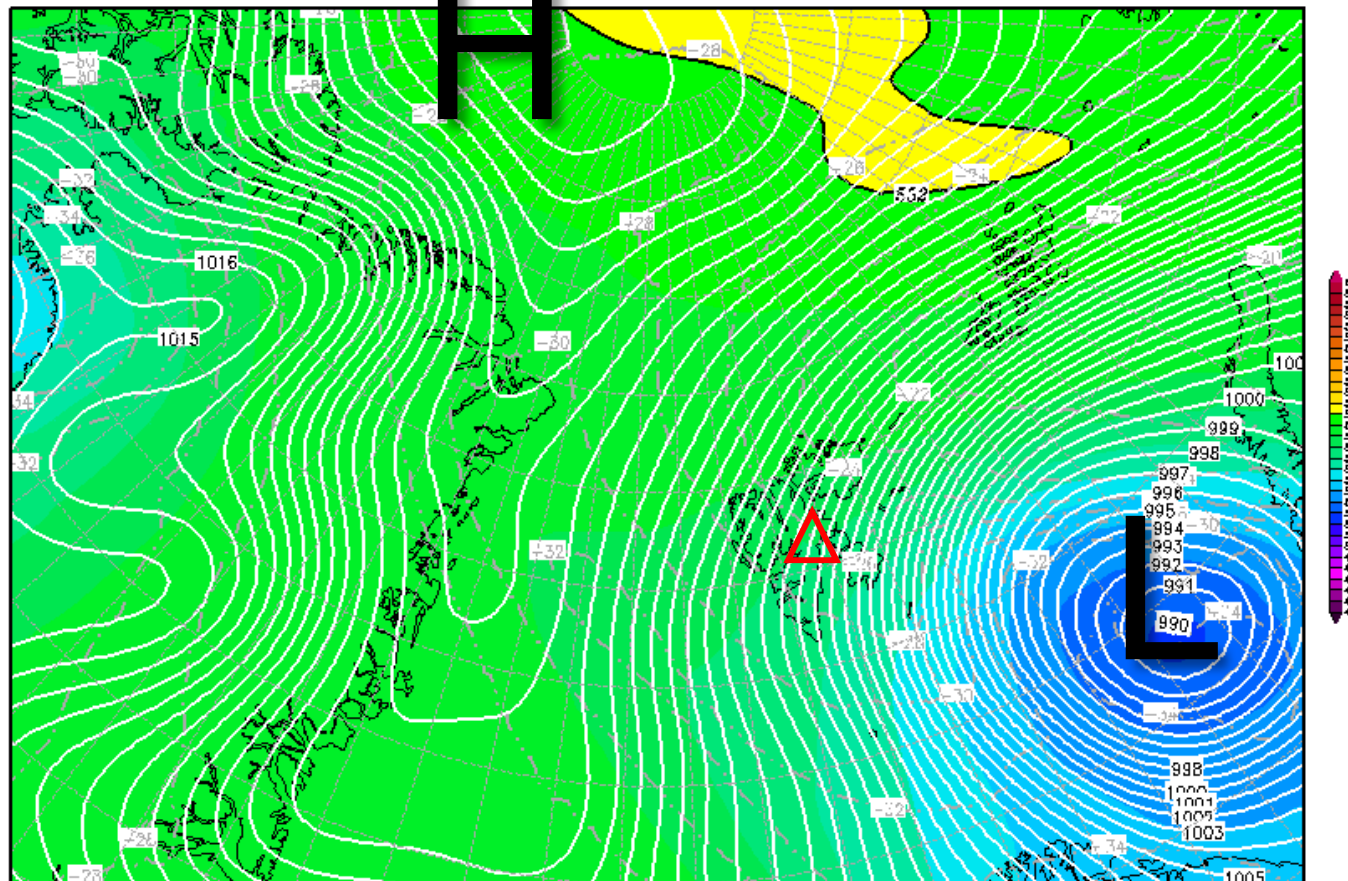
Mon 29 May 2017

500-hPa Geopotential 29 May 2017 @ 12 UTC

Init : Sun,28MAY2017 00Z

Valid: Mon,29MAY2017 12Z

500 hPa Geopot. (gpm), T (C) und Bodendr. (hPa)

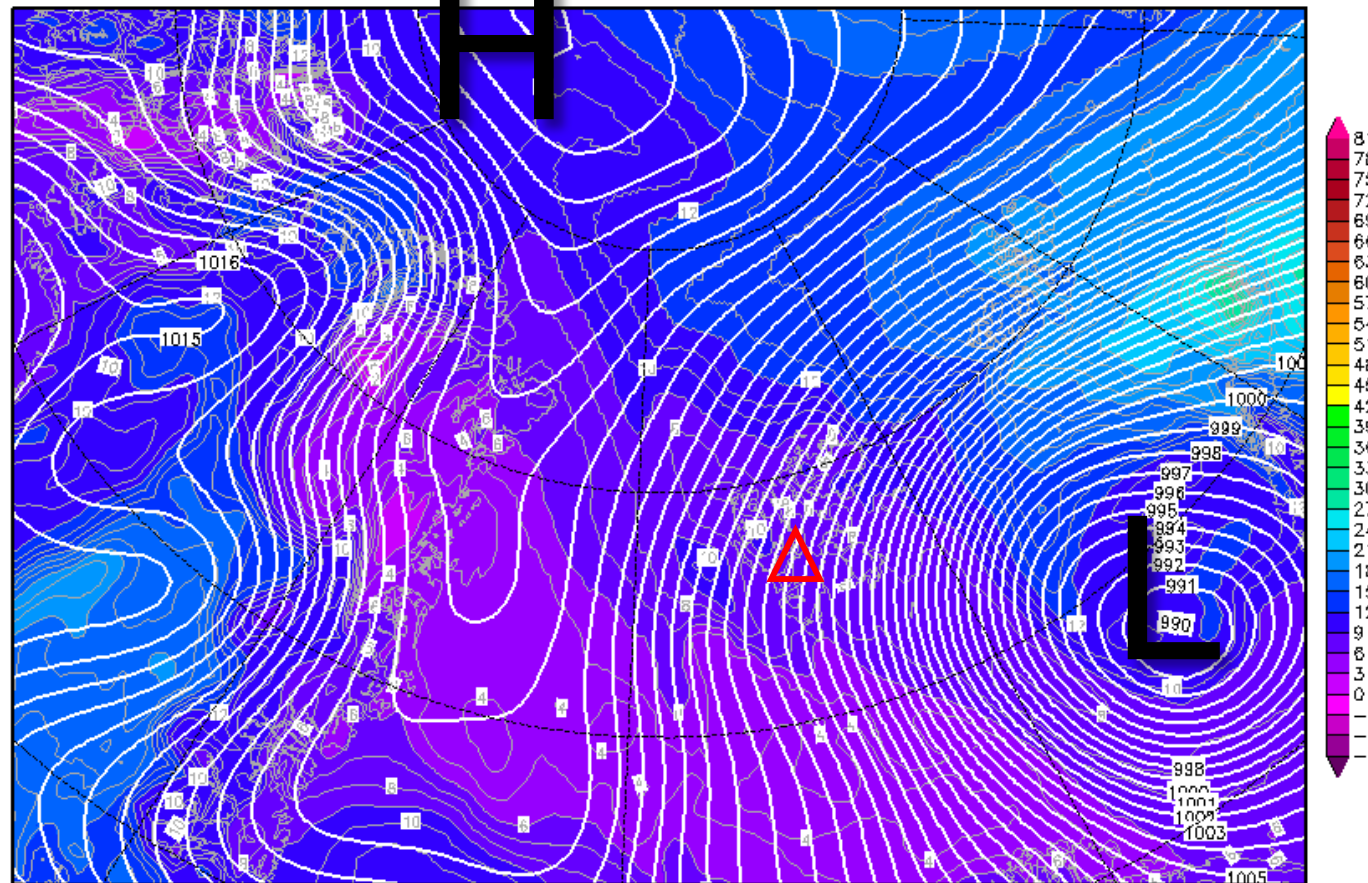


850-hPa Theta Equiv. 29 May 2017 @ 12 UTC

Init : Sun,28MAY2017 00Z

Valid: Mon,29MAY2017 12Z

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

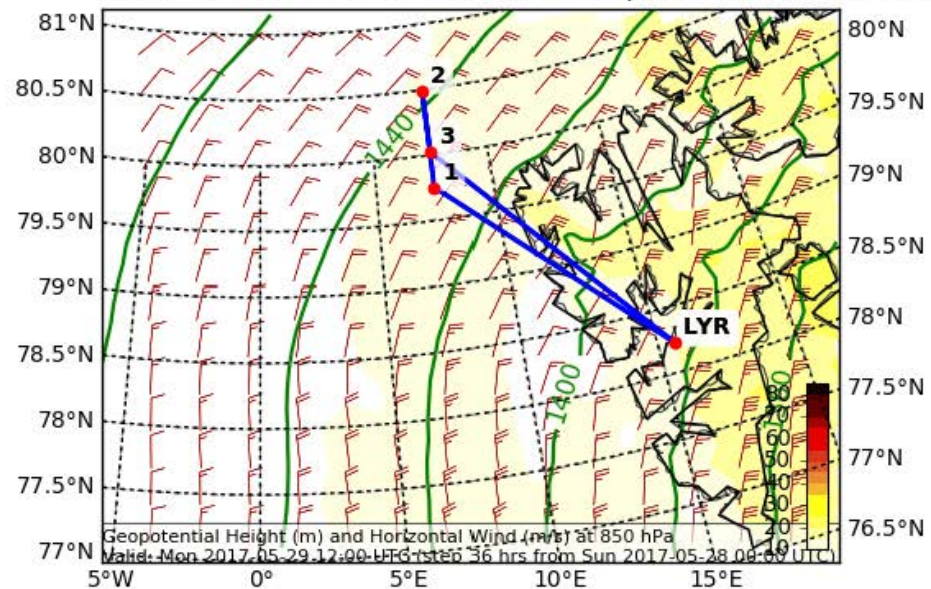


Daten: GFS—Modell des amerikanischen Wetterdienstes
(C) Wetterzentrale
www.wetterzentrale.de

Wind

Tomorrow 12 UTC

Geopotential Height (m) and Horizontal Wind (m/s) (Wind Speed 10-85 m/s) at 850 (hP
Valid: Mon 2017-05-29 12:00 UTC (step 36 hrs from Sun 2017-05-28 00:00 UTC)



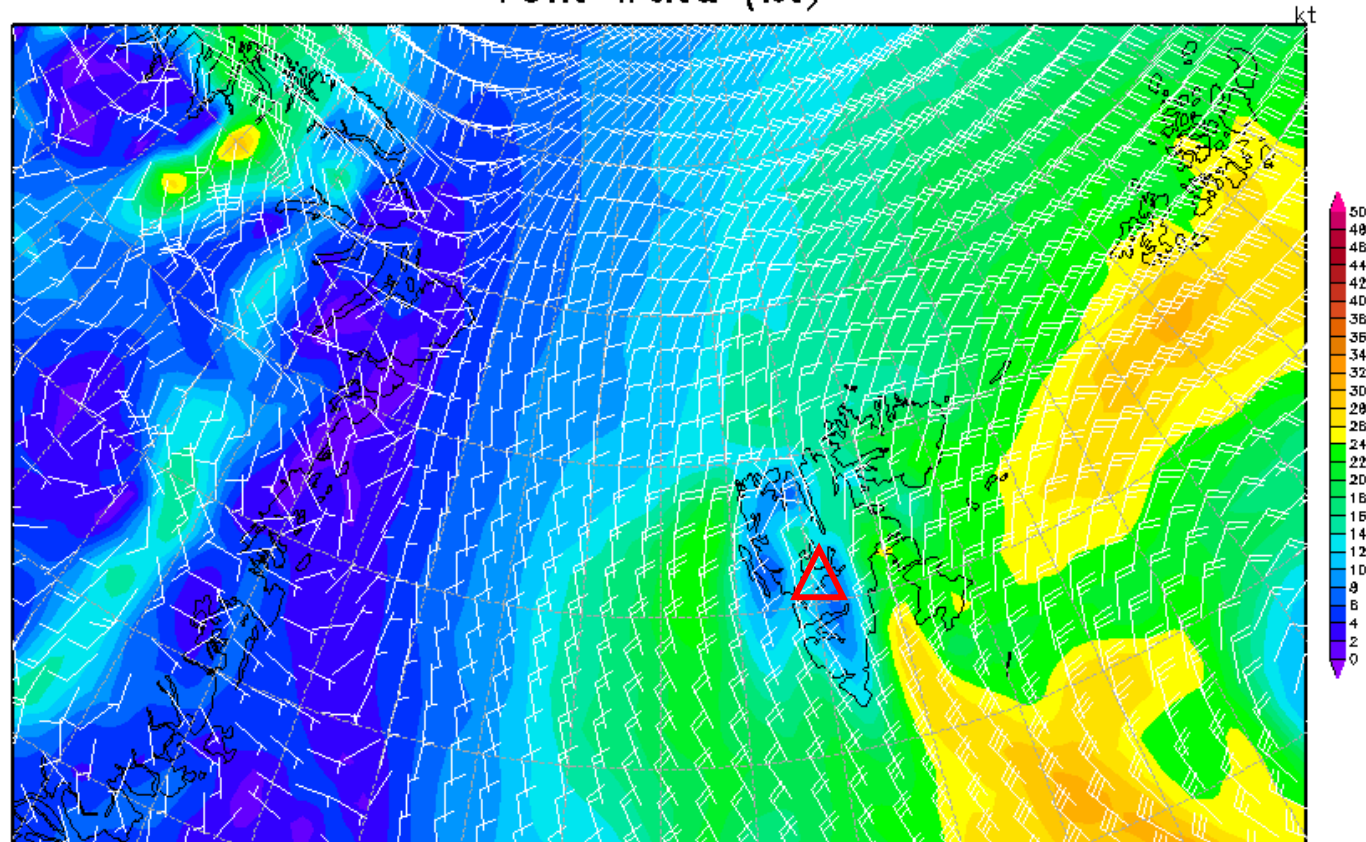
EPSG:77790000

10-m Wind 29 May 2017 @ 12 UTC

Init : Sun,28MAY2017 00Z

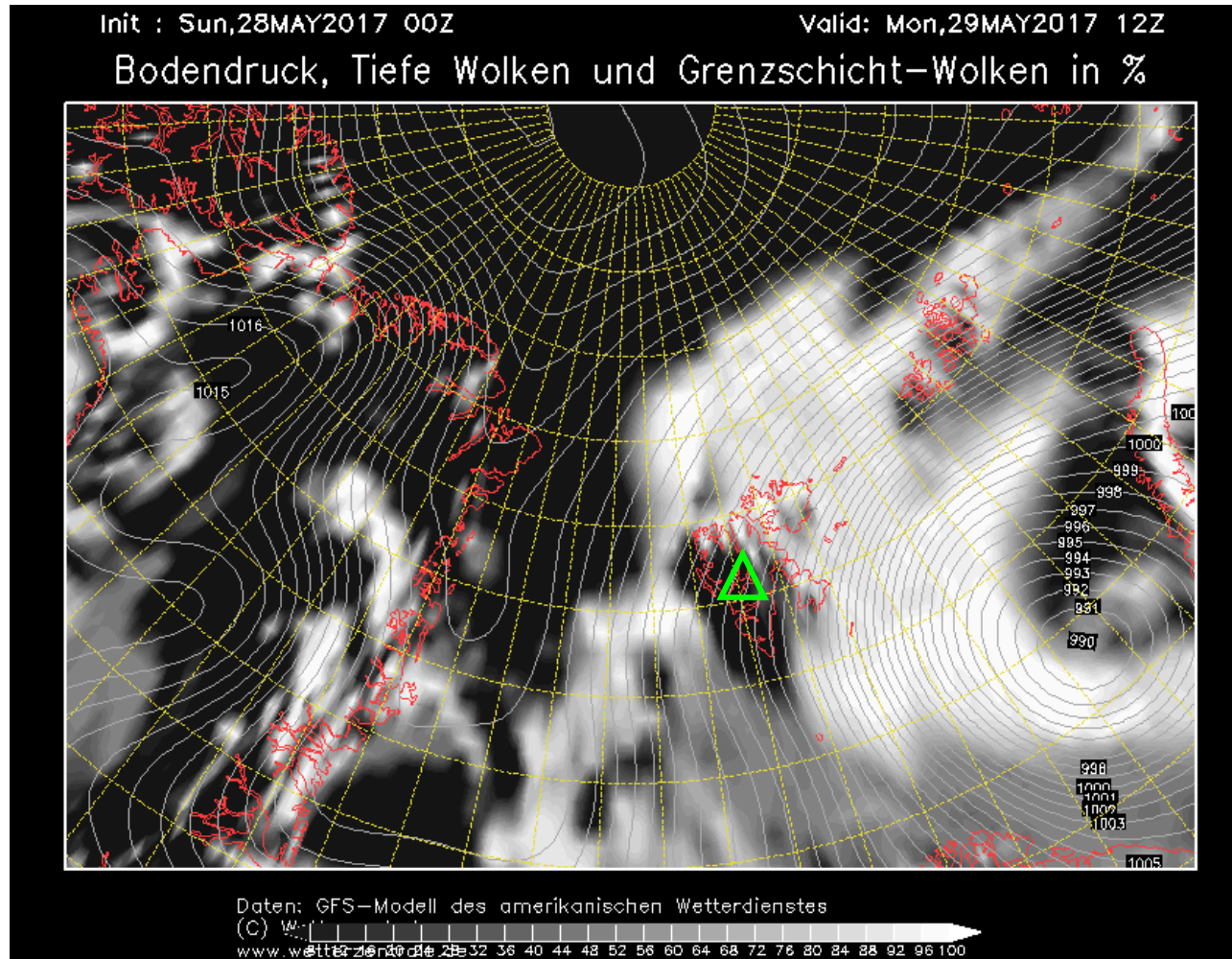
Valid: Mon,29MAY2017 12Z

10m Wind (kt)

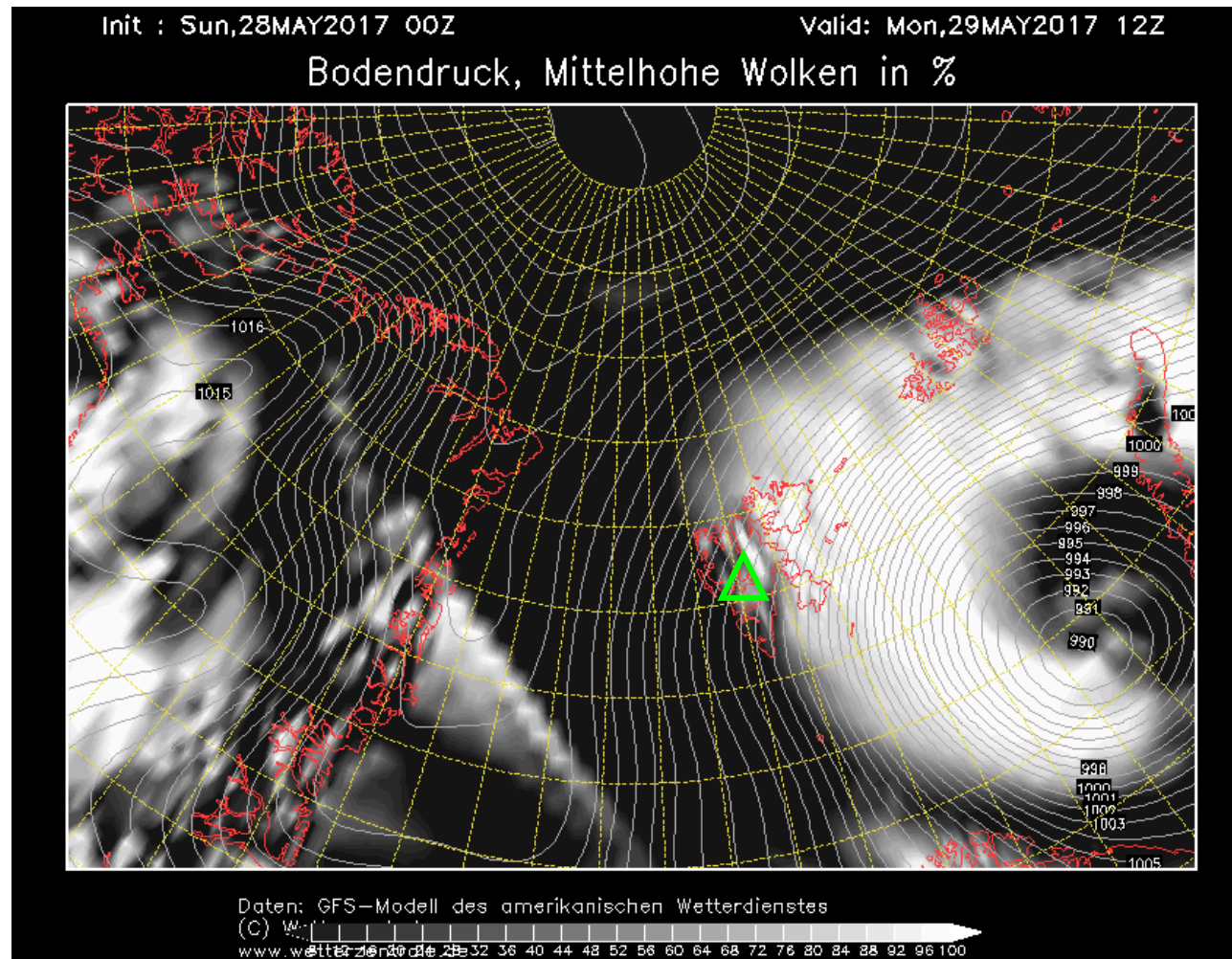


Daten: GFS—Modell des amerikanischen Wetterdienstes
(C) Wetterzentrale
www.wetterzentrale.de

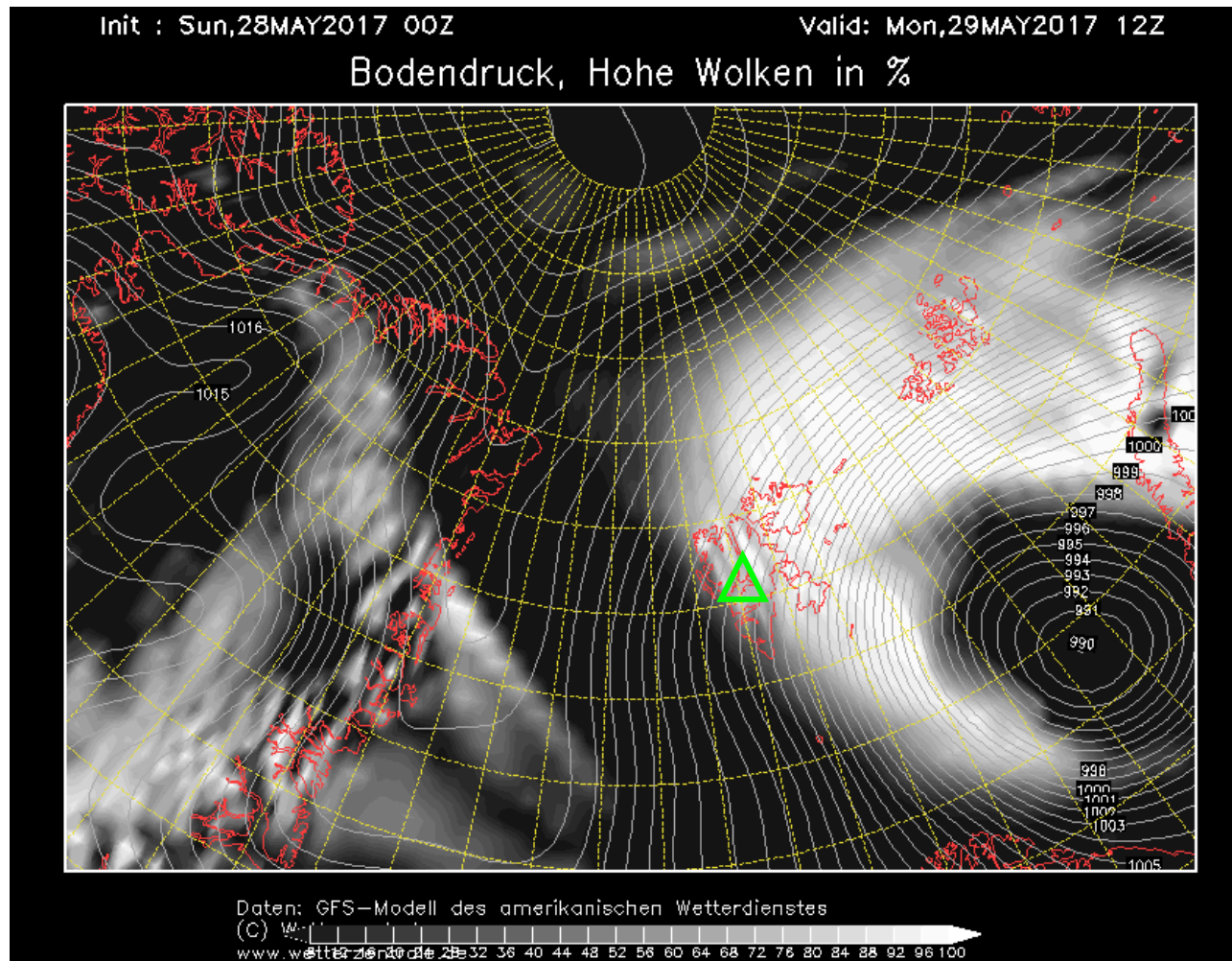
Low-level cloud cover 29 May 2017 @ 12 UTC



Mid-level cloud cover 29 May 2017 @ 12 UTC



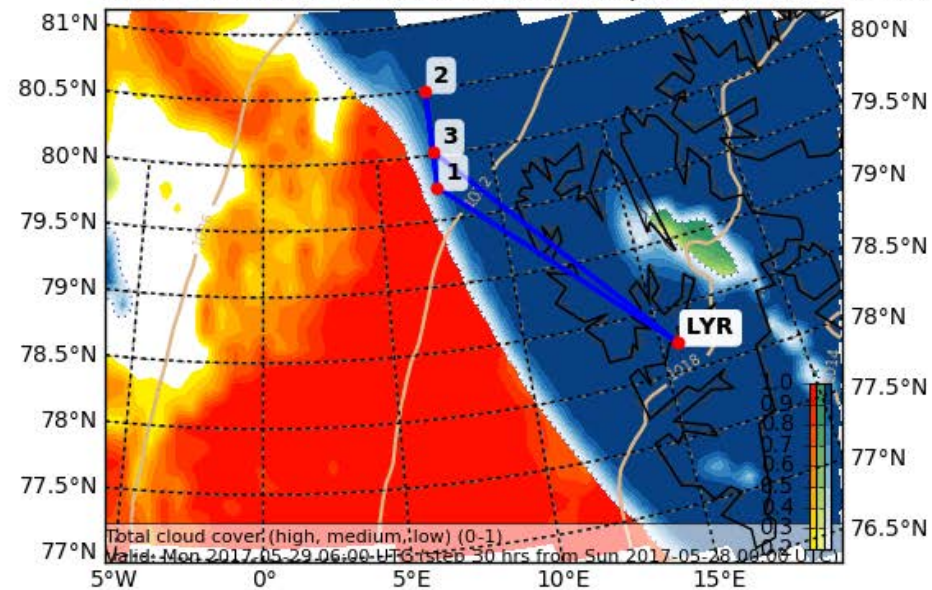
High-level cloud cover 29 May 2017 @ 12 UTC



Forecast Tomorrow 06 UTC

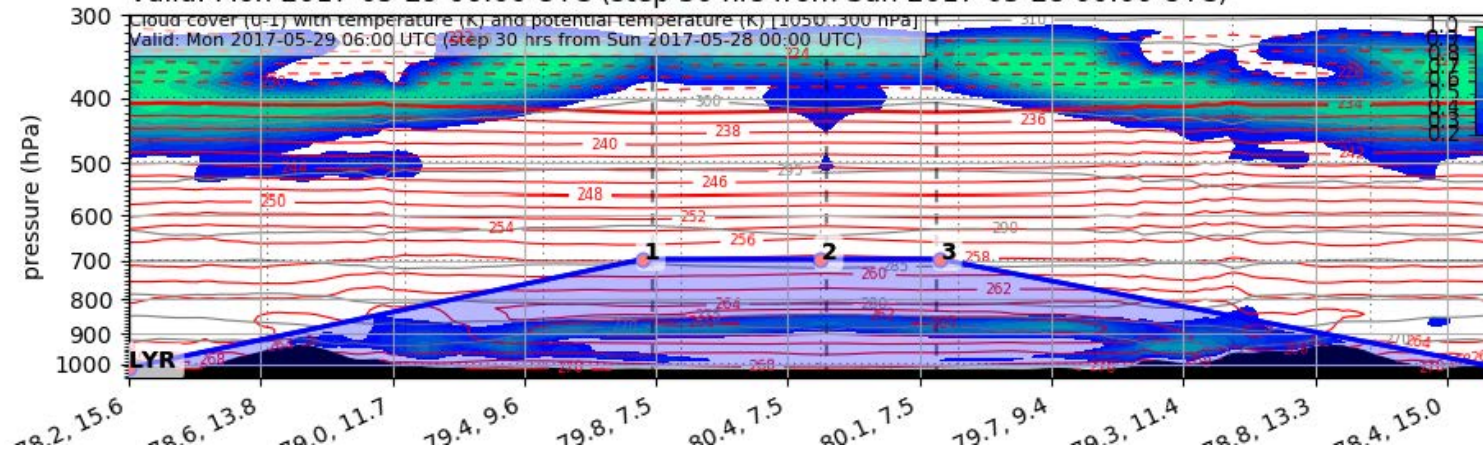
Cloud Cover (0-1) (Total Cloud Cover)

Valid: Mon 2017-05-29 06:00 UTC (step 30 hrs from Sun 2017-05-28 00:00 UTC)



EPSG:77790000

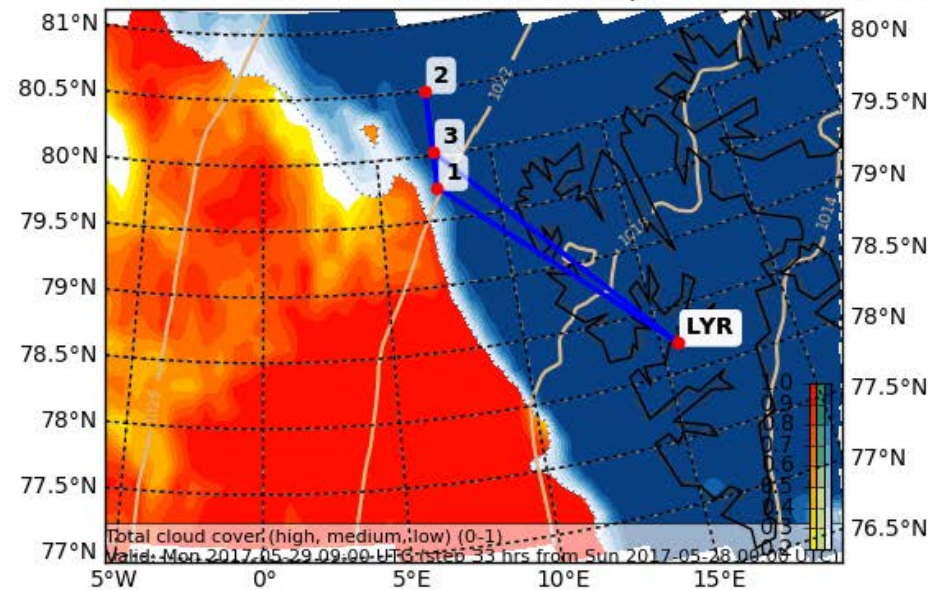
Valid: Mon 2017-05-29 06:00 UTC (step 30 hrs from Sun 2017-05-28 00:00 UTC)



Forecast Tomorrow 09 UTC

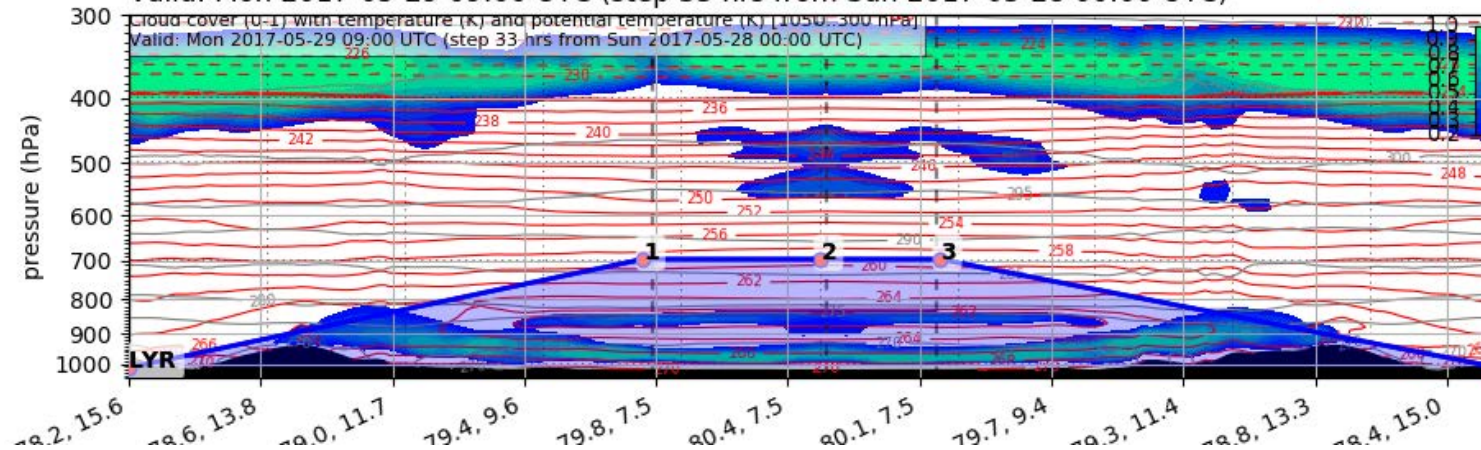
Cloud Cover (0-1) (Total Cloud Cover)

Valid: Mon 2017-05-29 09:00 UTC (step 33 hrs from Sun 2017-05-28 00:00 UTC)



EPSG:77790000

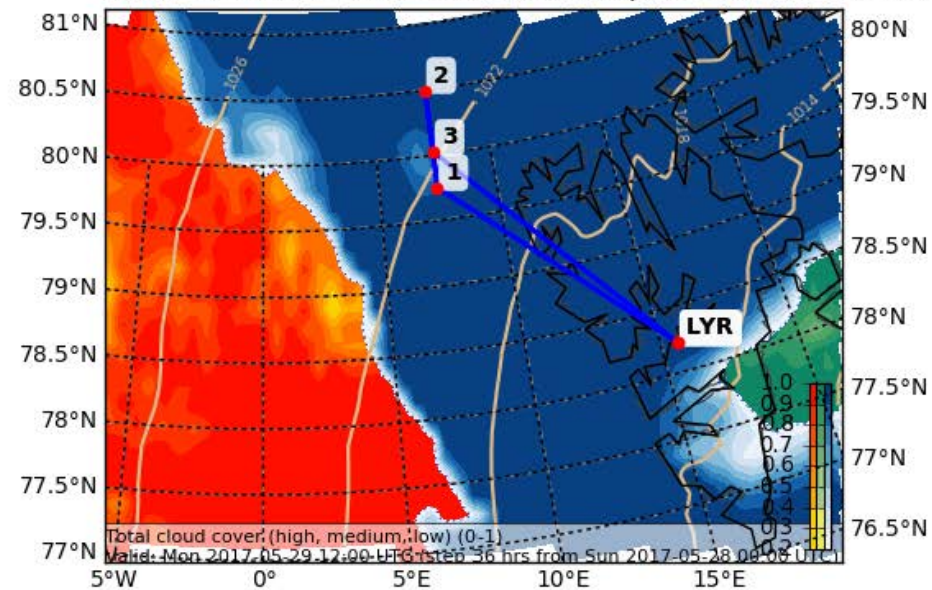
Valid: Mon 2017-05-29 09:00 UTC (step 33 hrs from Sun 2017-05-28 00:00 UTC)



Forecast Tomorrow 12 UTC

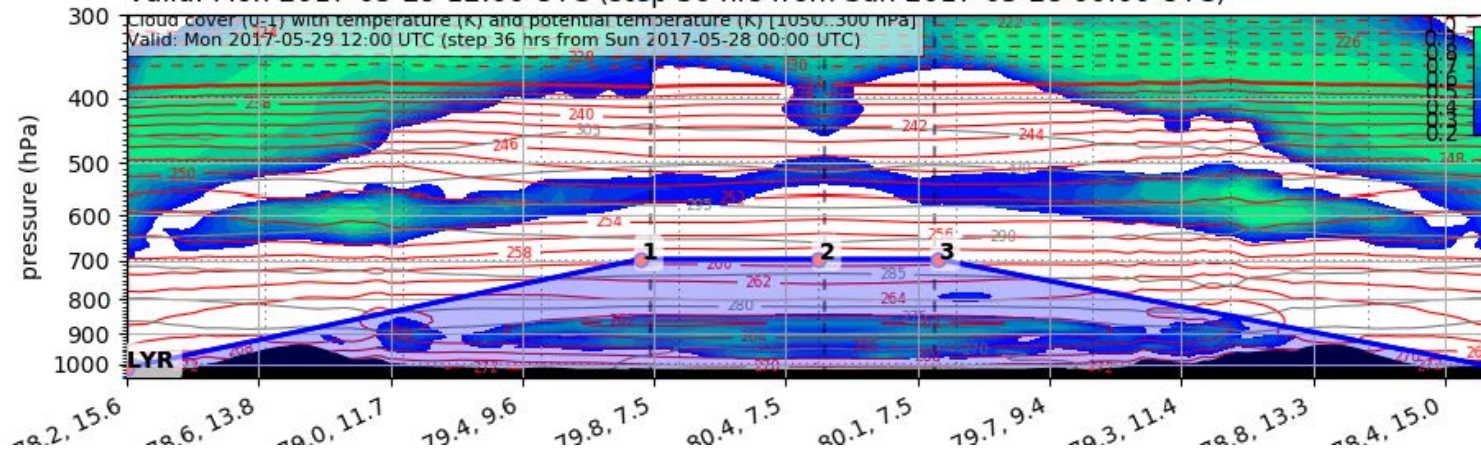
Cloud Cover (0-1) (Total Cloud Cover)

Valid: Mon 2017-05-29 12:00 UTC (step 36 hrs from Sun 2017-05-28 00:00 UTC)



EPSG:77790000

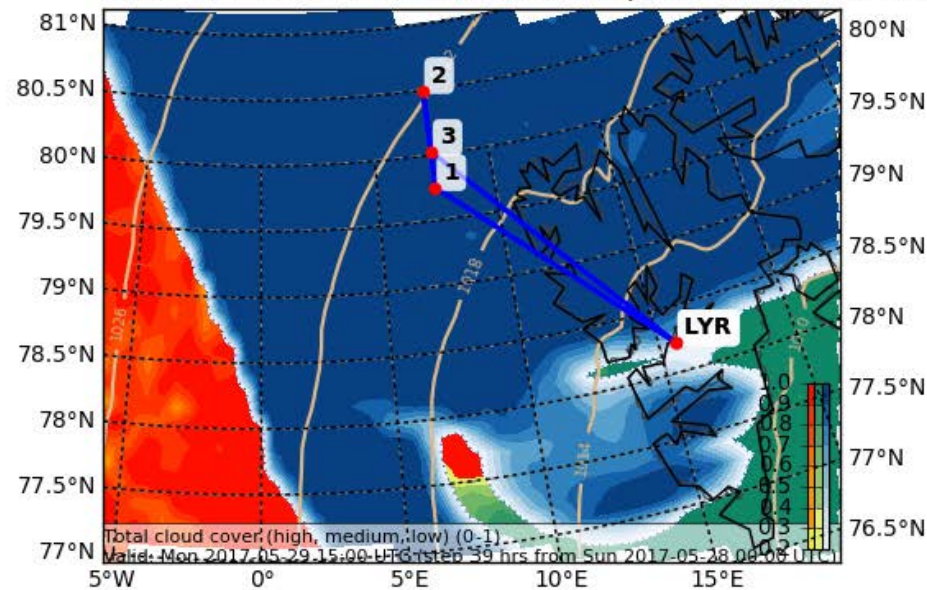
Valid: Mon 2017-05-29 12:00 UTC (step 36 hrs from Sun 2017-05-28 00:00 UTC)



Forecast Tomorrow 15 UTC

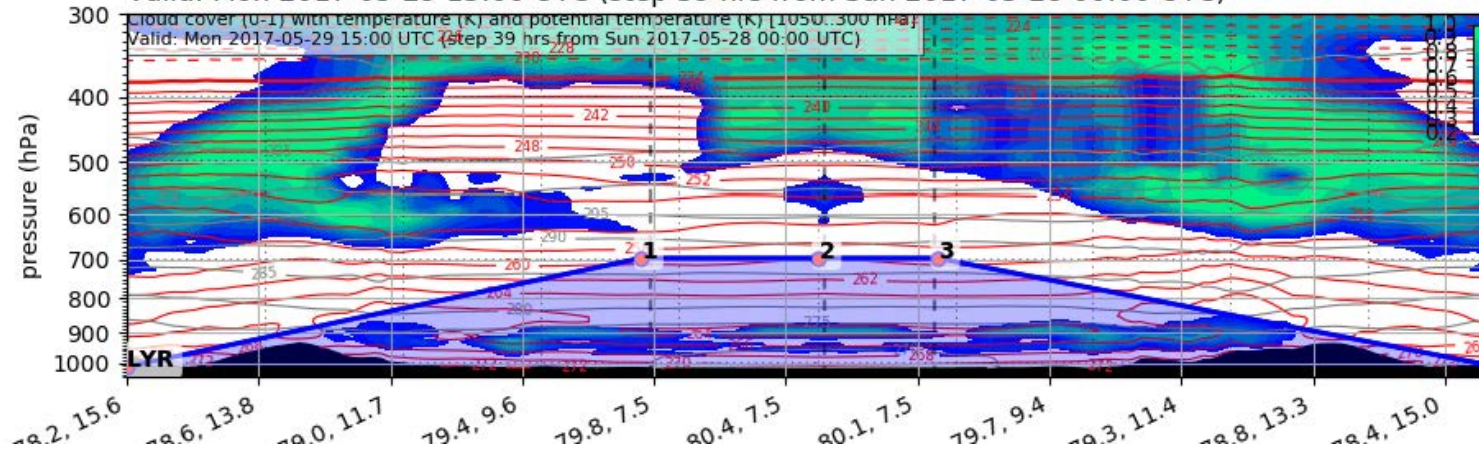
Cloud Cover (0-1) (Total Cloud Cover)

Valid: Mon 2017-05-29 15:00 UTC (step 39 hrs from Sun 2017-05-28 00:00 UTC)



EPSG:77790000

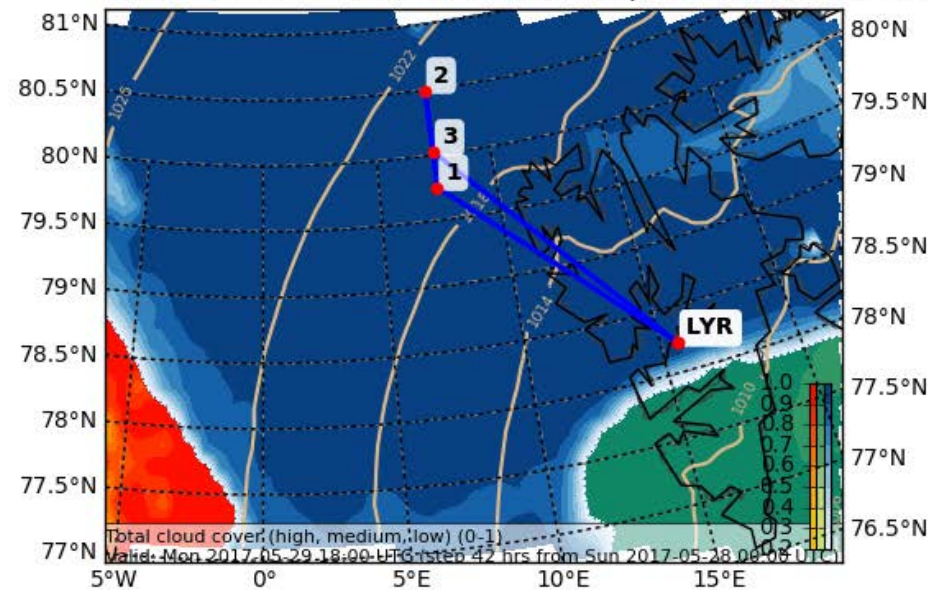
Valid: Mon 2017-05-29 15:00 UTC (step 39 hrs from Sun 2017-05-28 00:00 UTC)



Forecast Tomorrow 18 UTC

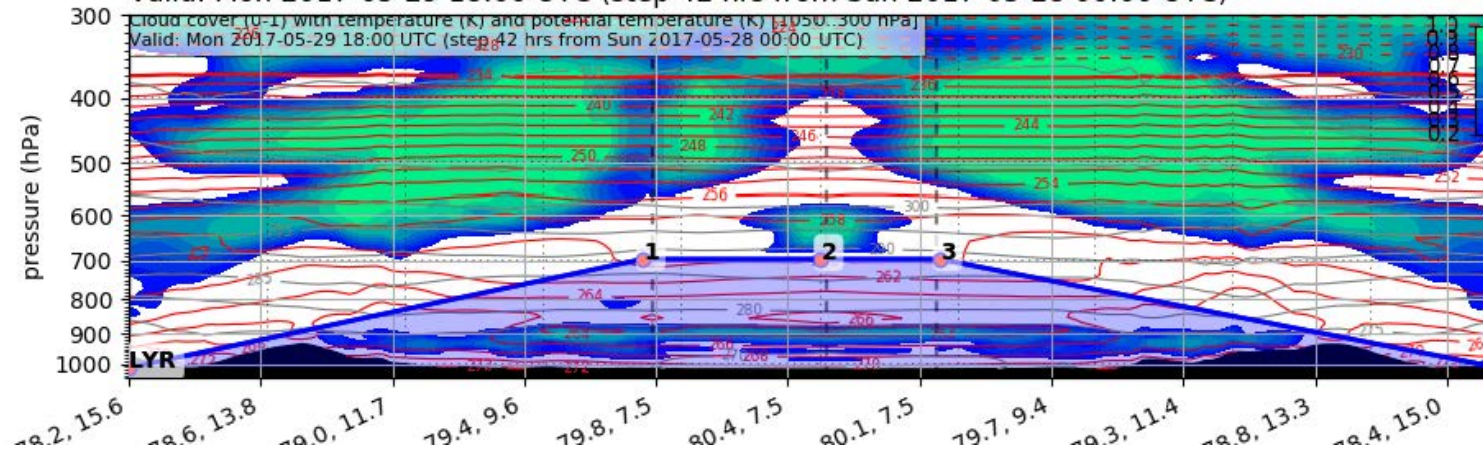
Cloud Cover (0-1) (Total Cloud Cover)

Valid: Mon 2017-05-29 18:00 UTC (step 42 hrs from Sun 2017-05-28 00:00 UTC)



EPSG:77790000

Valid: Mon 2017-05-29 18:00 UTC (step 42 hrs from Sun 2017-05-28 00:00 UTC)

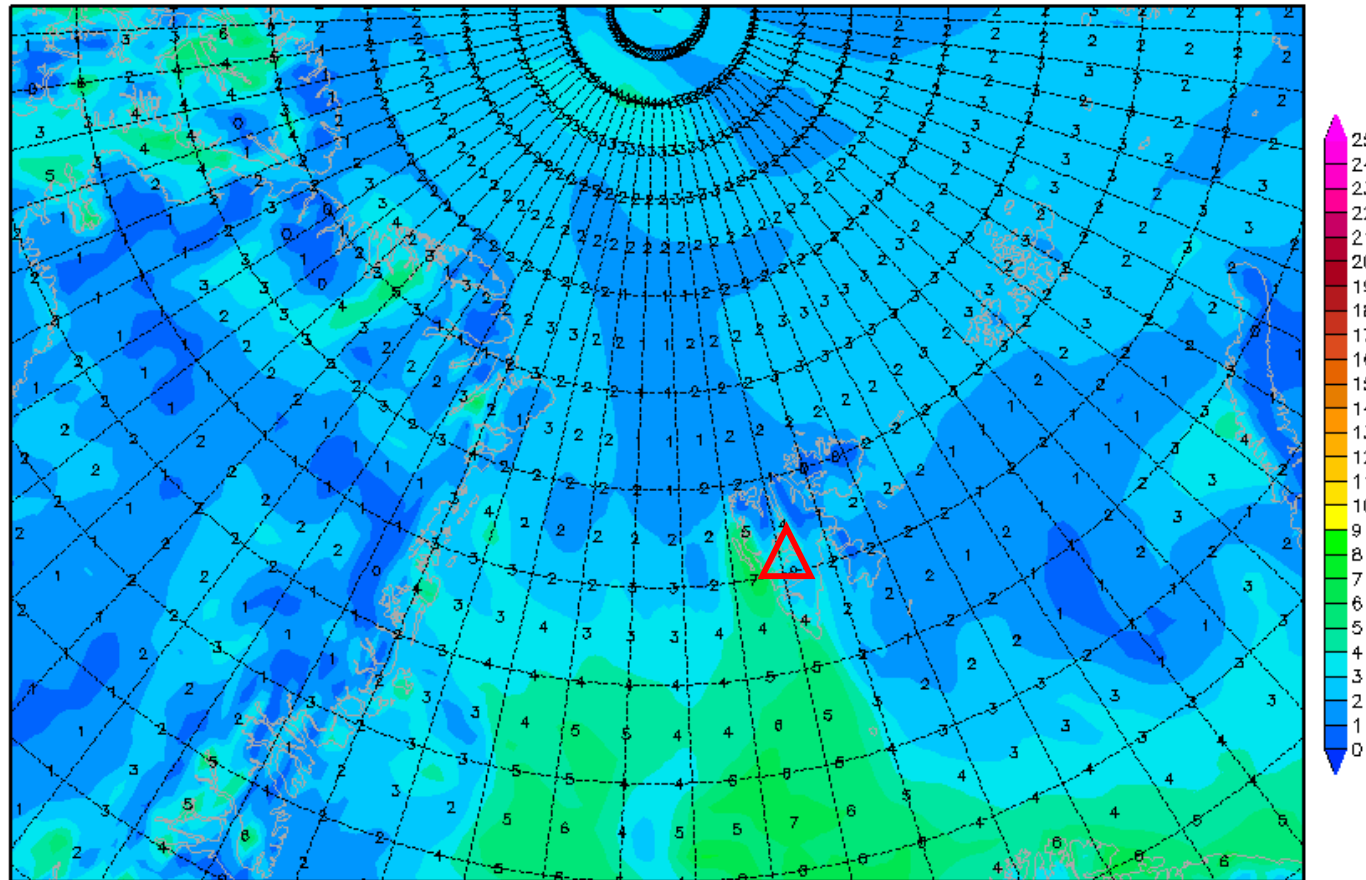


2-m dew point diff. 29 May 2017 @ 12 UTC

Init : Sun,28MAY2017 00Z

Valid: Mon,29MAY2017 12Z

2m (Temperatur-Taupunkt)



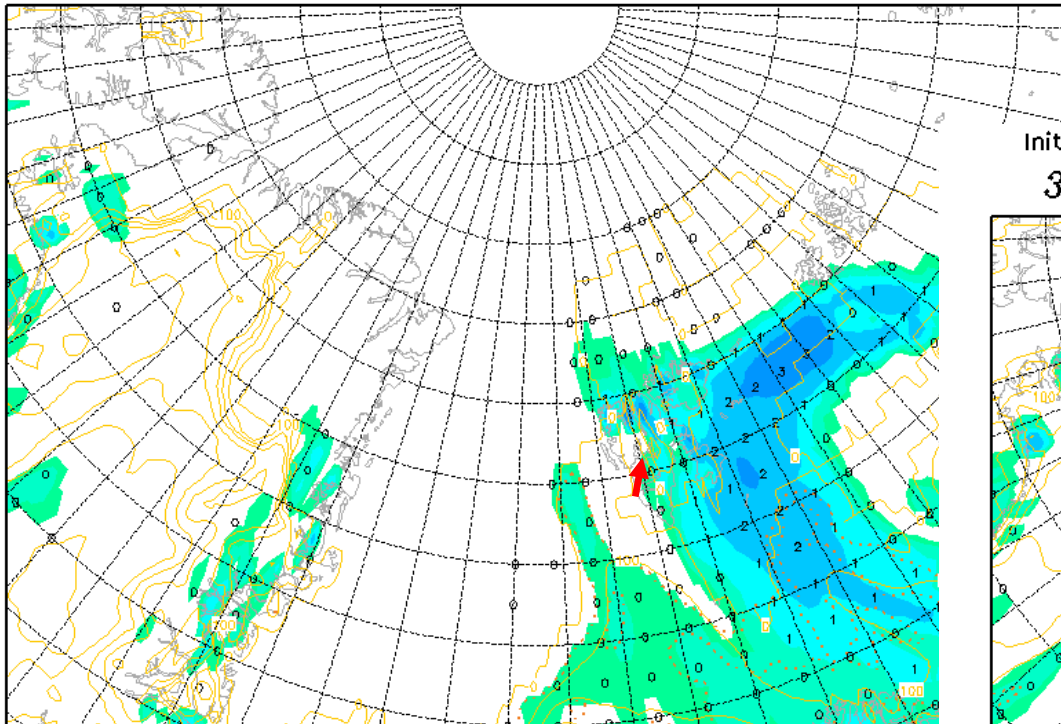
Daten: GFS
(C) Wetterzentrale
www.wetterzentrale.de

Precipitation 29 May 2017 @ 15 & 18 UTC (GFS)

Init : Sun,28MAY2017 00Z

Valid: Mon,29MAY2017 15Z

3h-Nds in mm (rot=konvektiv) + 0°-Grenze in m

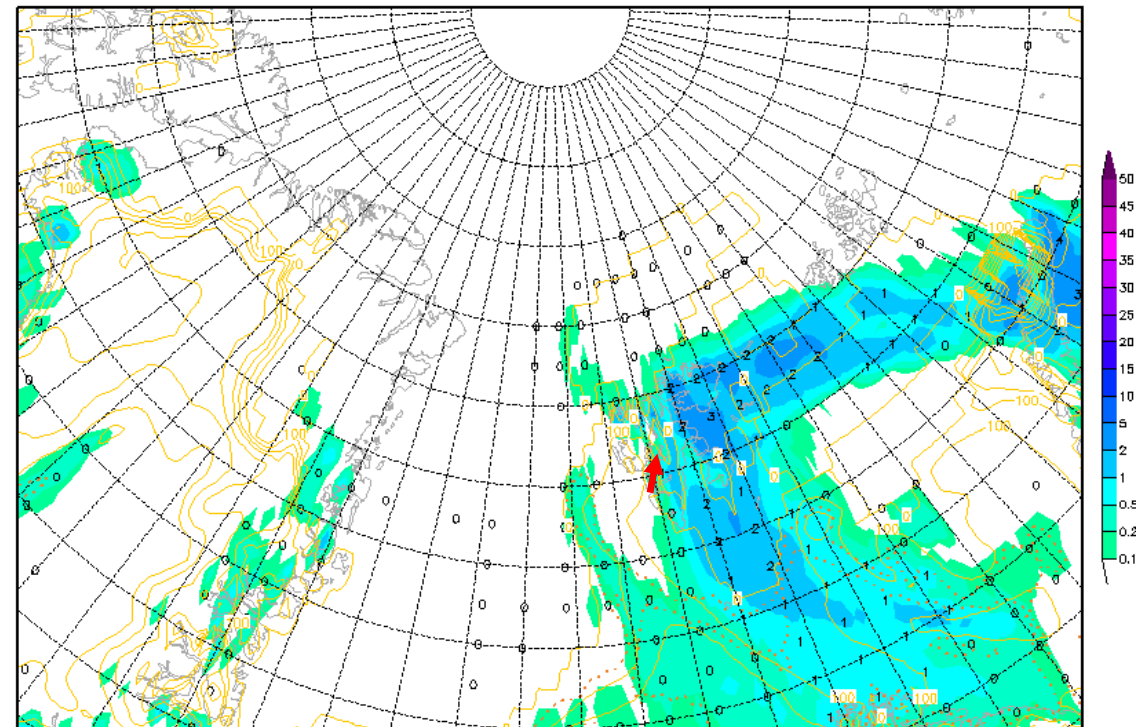


Daten: GFS-Modell des amerikanischen Wetterdienstes
(C) Wetterzentrale
www.wetterzentrale.de

Init : Sun,28MAY2017 00Z

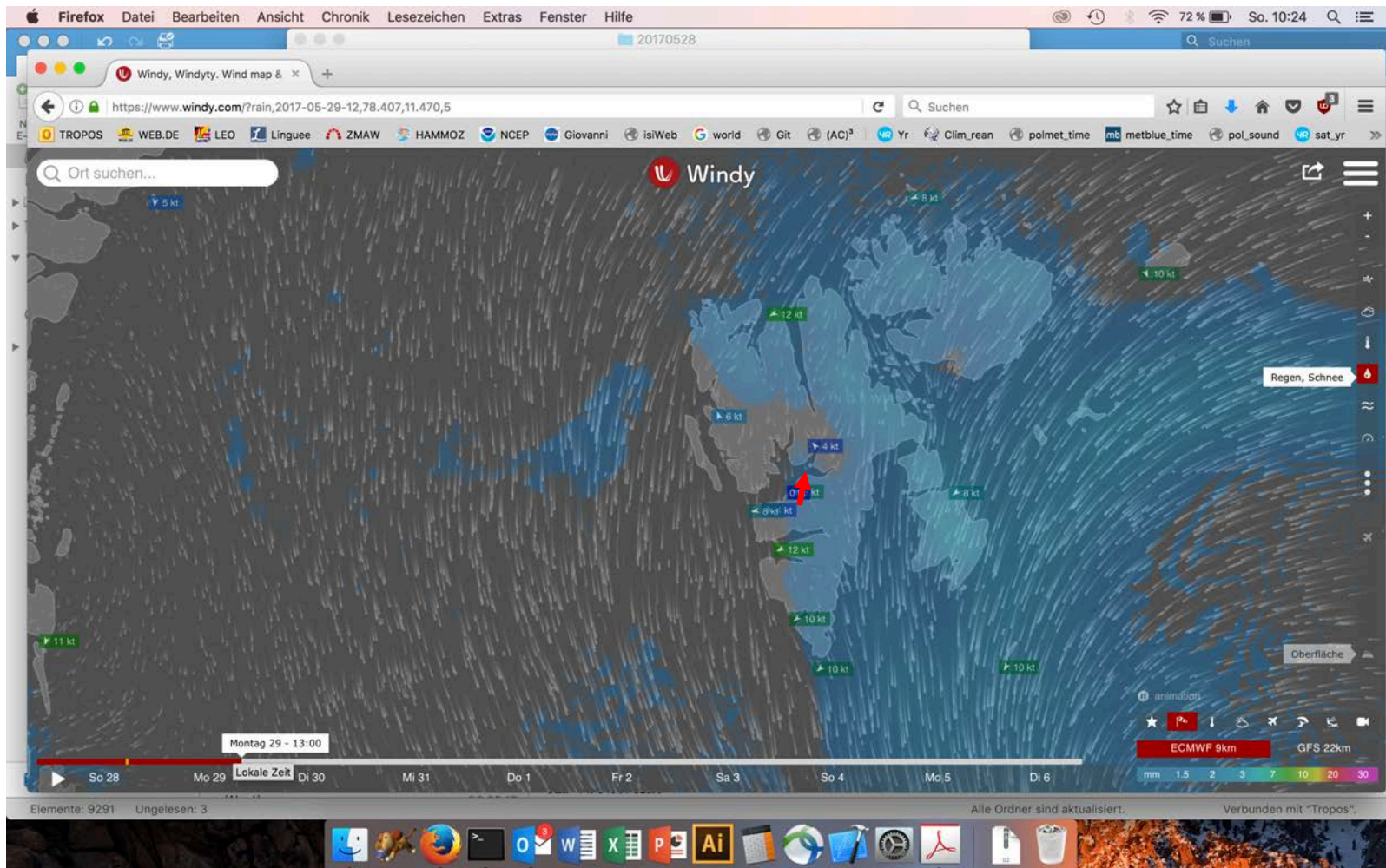
Valid: Mon,29MAY2017 18Z

3h-Nds in mm (rot=konvektiv) + 0°-Grenze in m



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

Precipitation 29 May 2017 @ 13 LT (9-km ECMWF)



Outlook

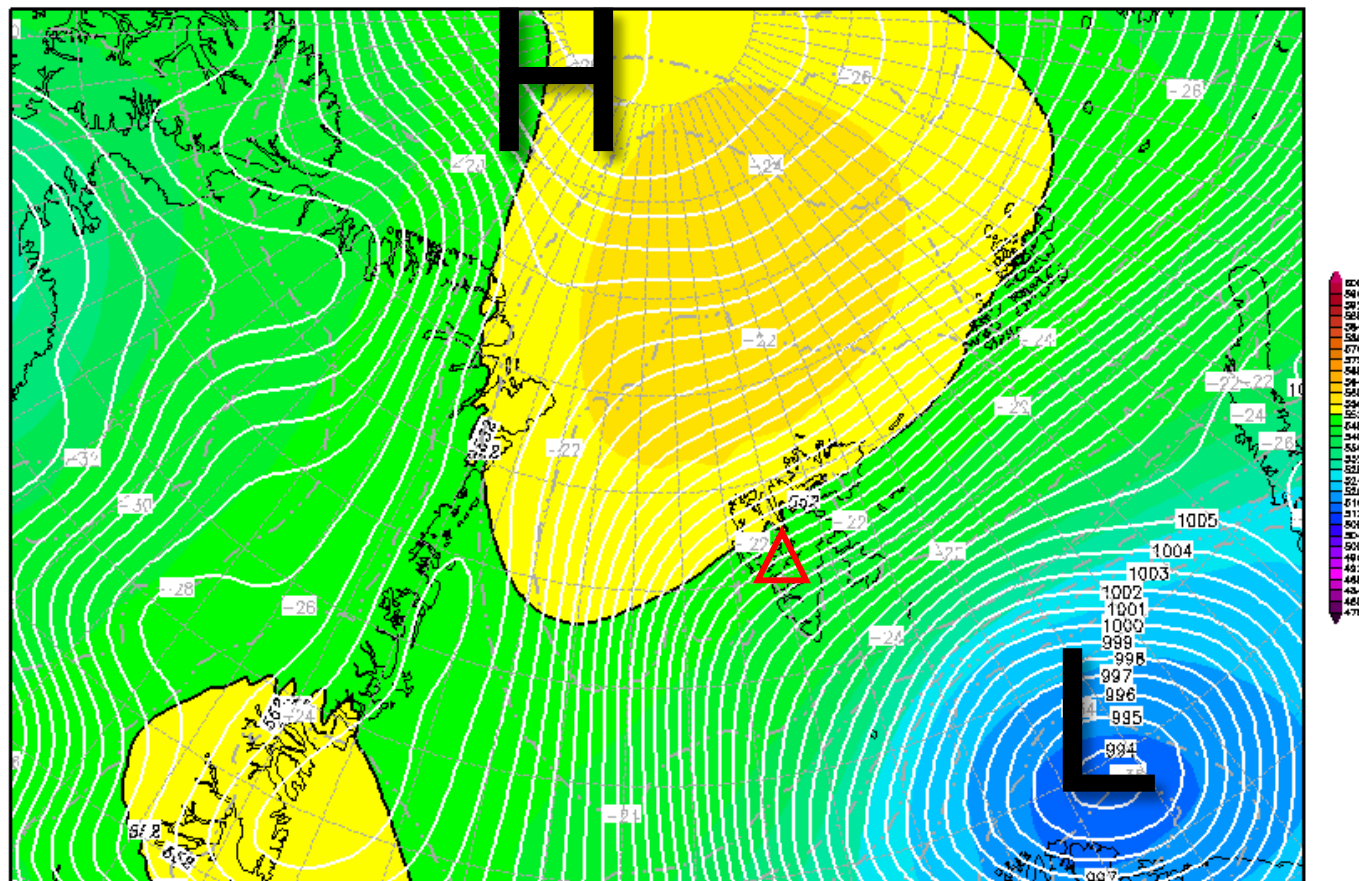
Tue 30 May – Wed 31 May 2017

Tue 30 May 2017

Init : Sun,28MAY2017 00Z

Valid: Tue,30MAY2017 12Z

500 hPa Geopot.(gpdm), T (C) und Bodendr. (hPa)



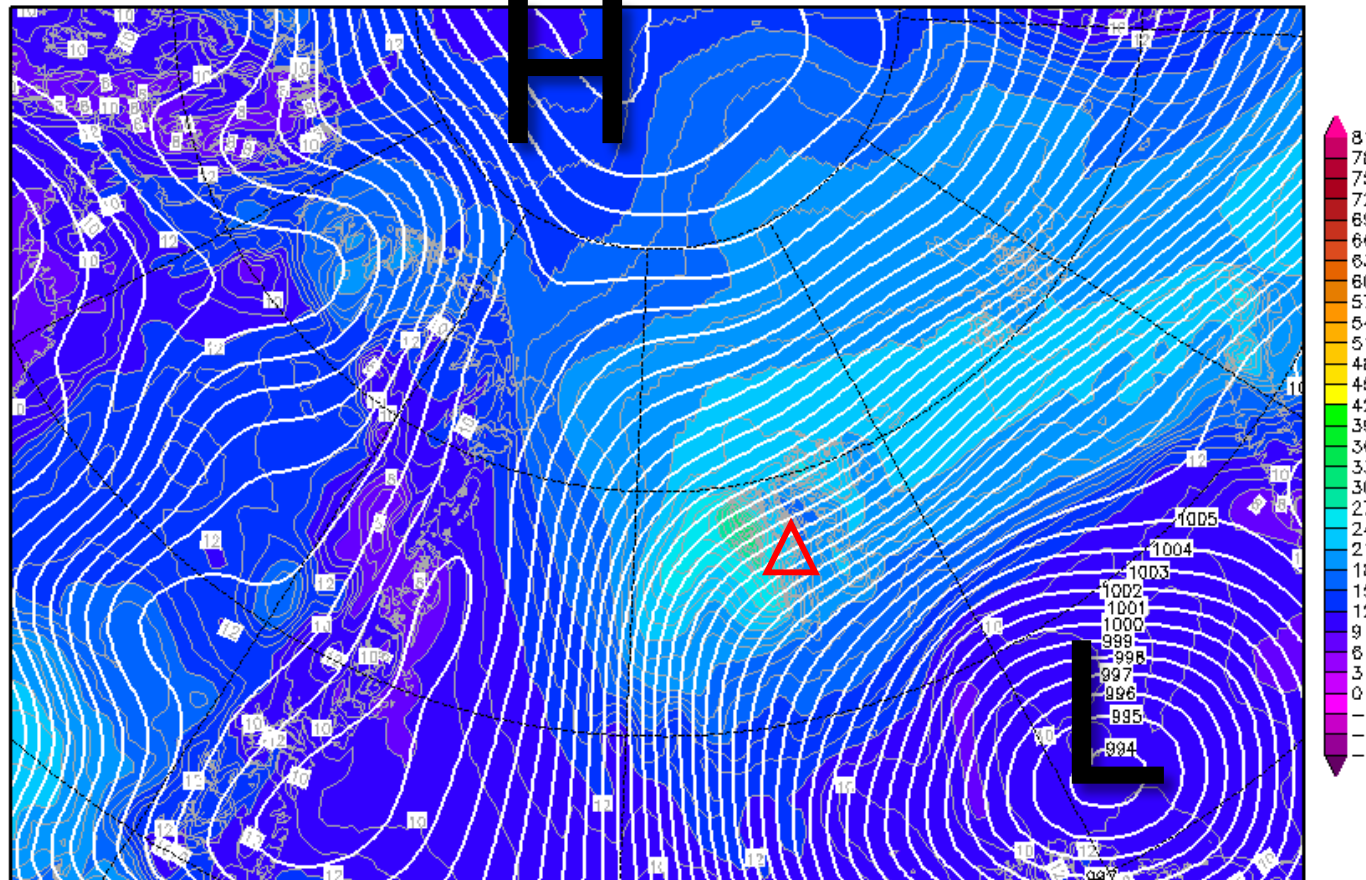
Surf. Pressure &
500-hPa Geopot.
30 May 2017 @ 12 UTC

850-hPa Theta Equiv. 30 May 2017 @ 12 UTC

Init : Sun,28MAY2017 00Z

Valid: Tue,30MAY2017 12Z

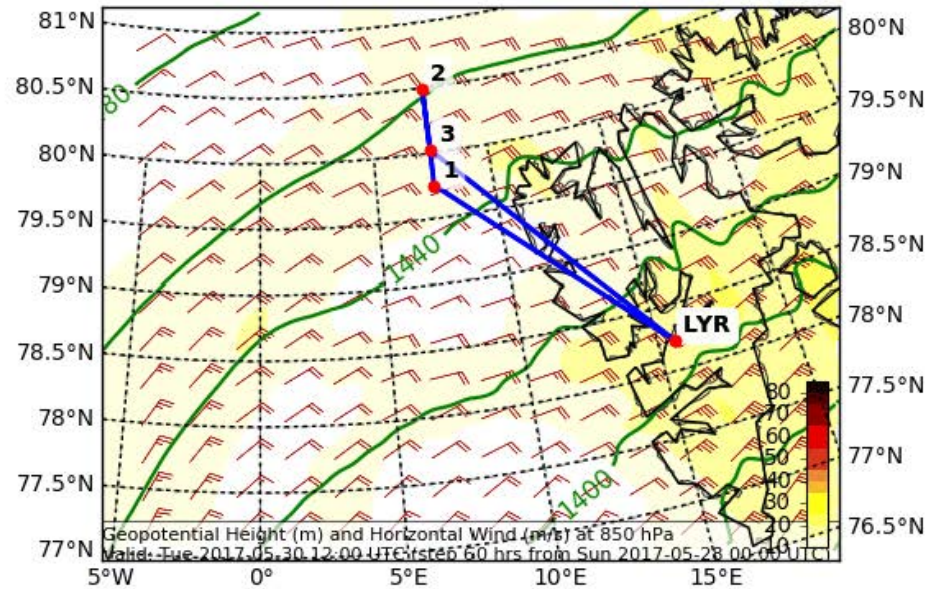
Bodendruck (hPa) und 850 hPa Aeq.Pot.T. (Grad C)



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

Wind, After Tomorrow 12 UTC

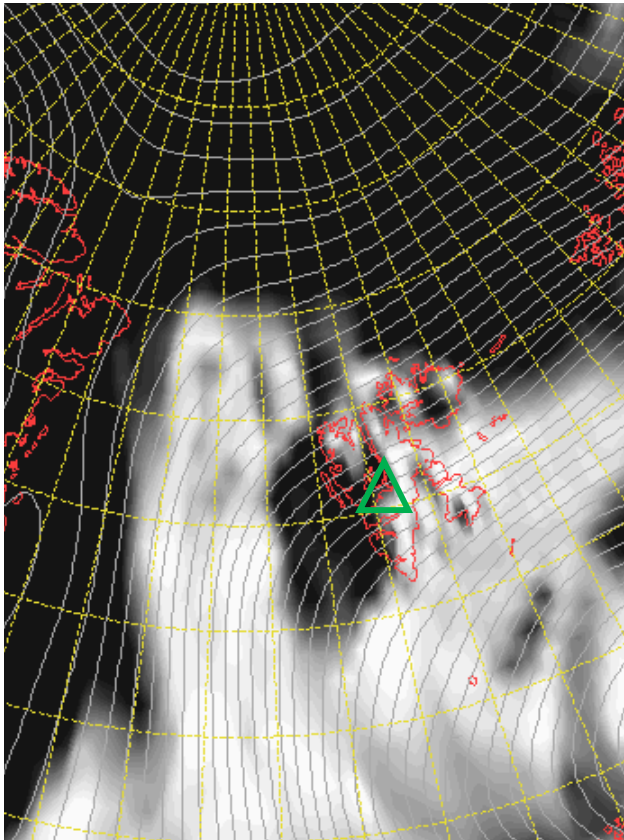
Geopotential Height (m) and Horizontal Wind (m/s) (Wind Speed 10-85 m/s) at 850 (hP
Valid: Tue 2017-05-30 12:00 UTC (step 60 hrs from Sun 2017-05-28 00:00 UTC)



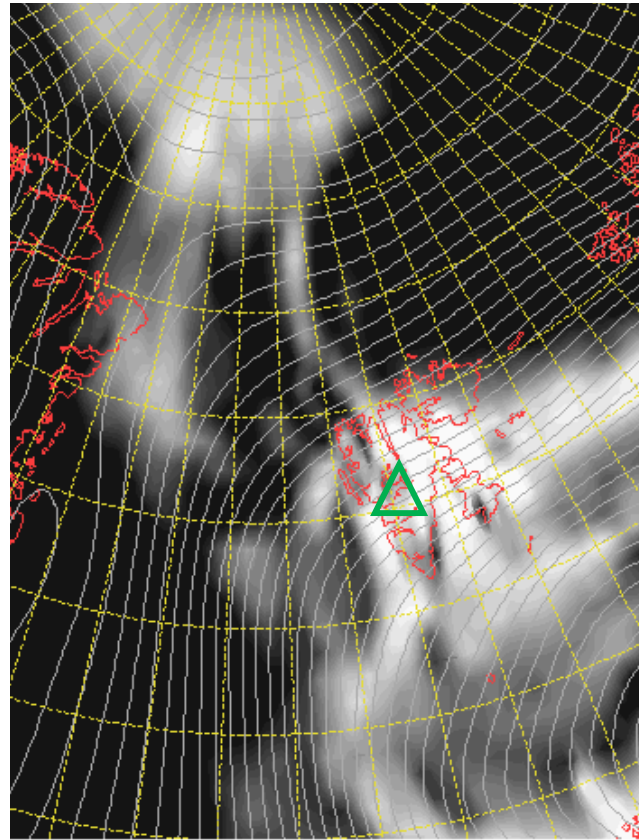
EPSG:77790000

Cloud Cover 30 May 2017 @ 12 UTC

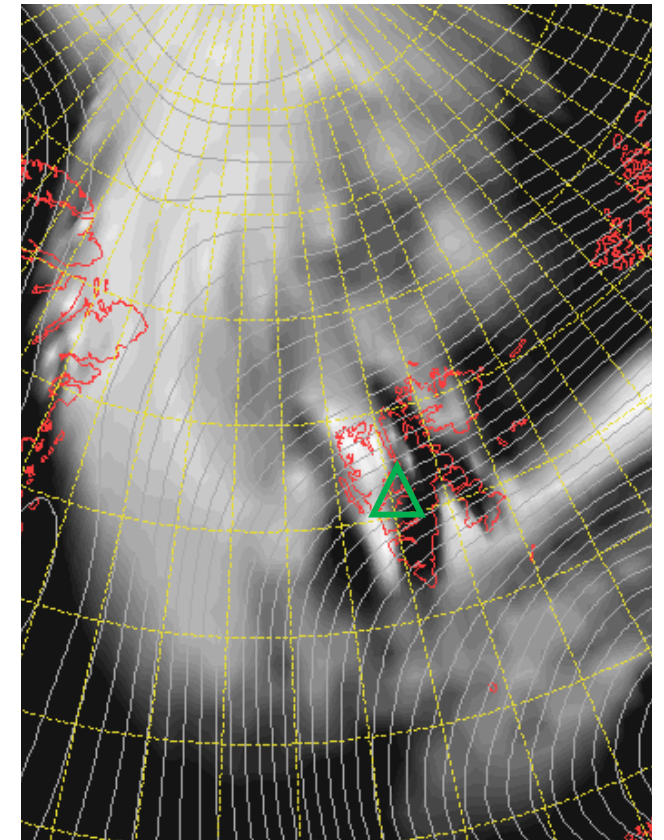
L



M



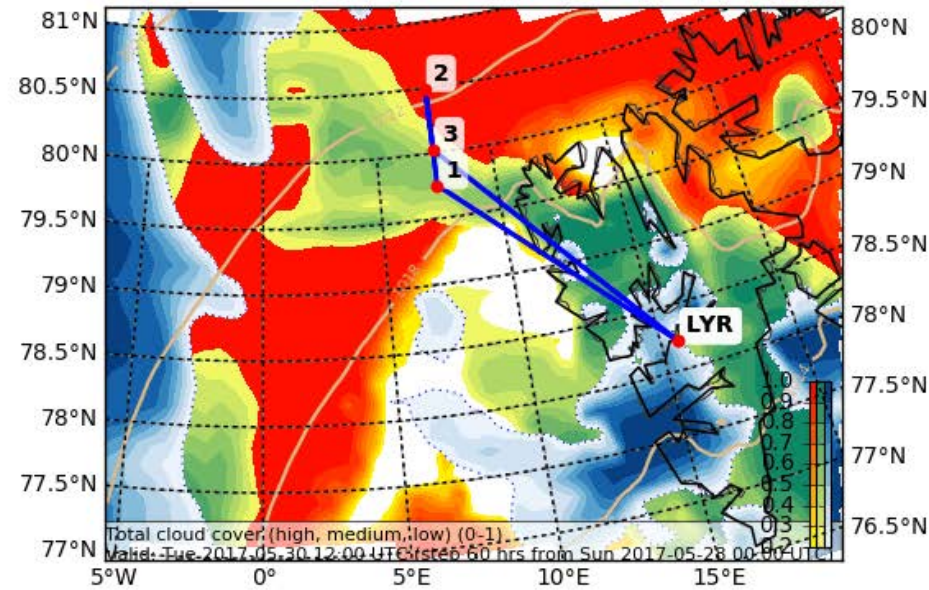
H



Forecast After Tomorrow 12 UTC

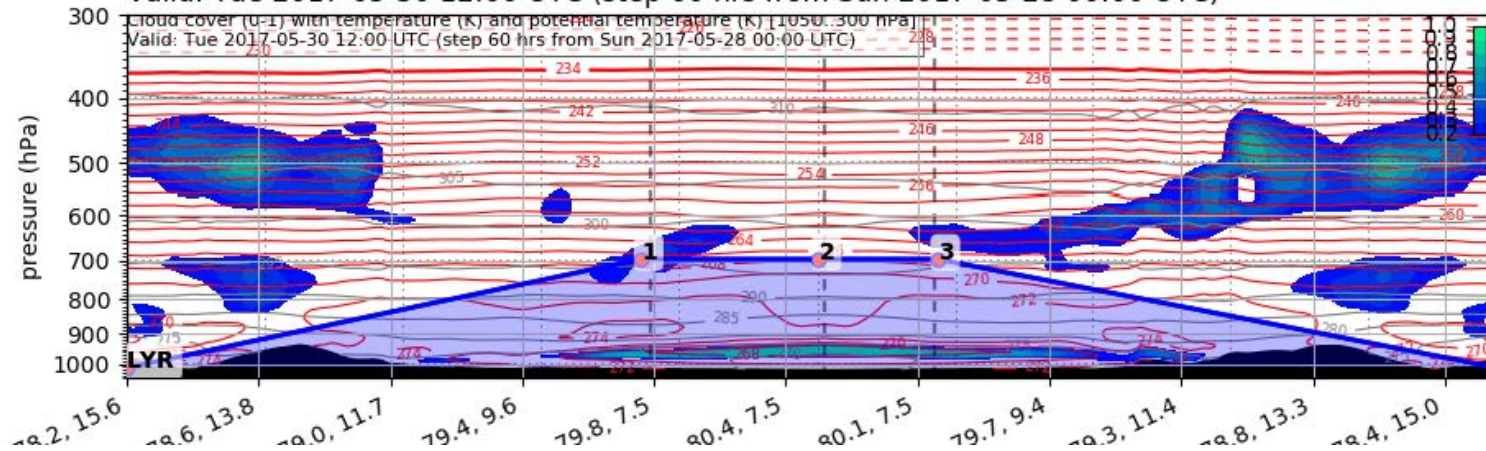
Cloud Cover (0-1) (Total Cloud Cover)

Valid: Tue 2017-05-30 12:00 UTC (step 60 hrs from Sun 2017-05-28 00:00 UTC)



EPSG:77790000

Valid: Tue 2017-05-30 12:00 UTC (step 60 hrs from Sun 2017-05-28 00:00 UTC)

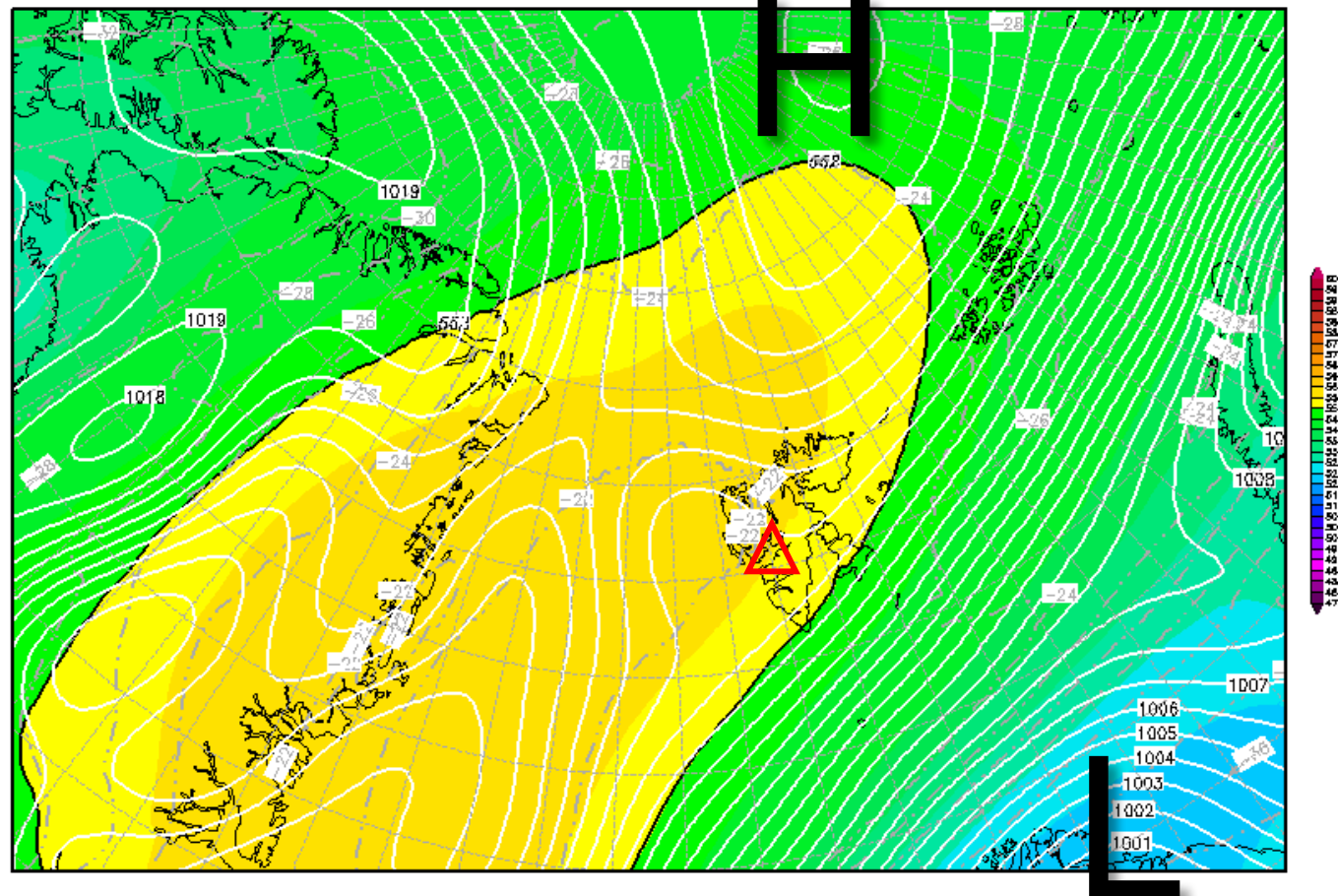


Wed 31 May 2017

Init : Sun,28MAY2017 00Z

Valid: Wed,31MAY2017 12Z

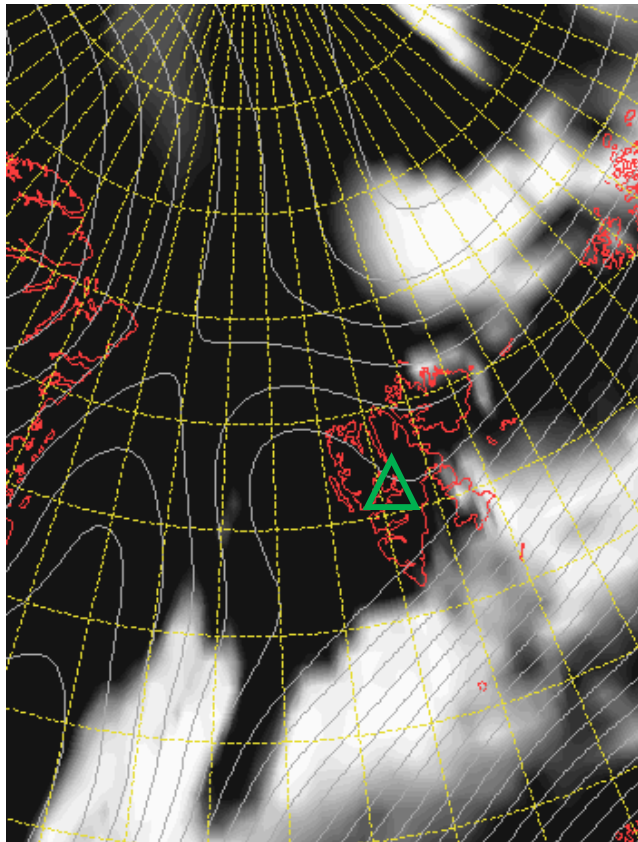
500 hPa Geopot.(gpdm), T (C) und Bodendr. (hPa)



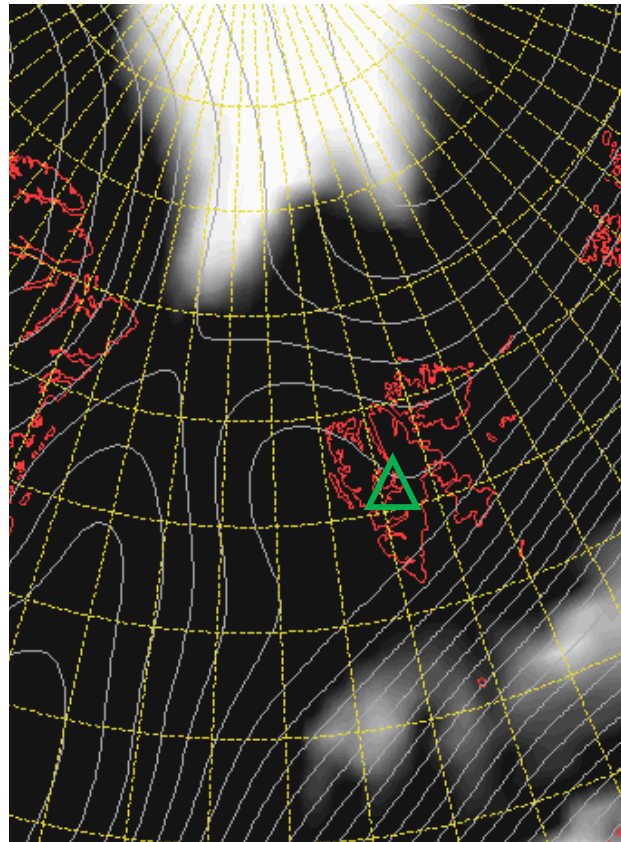
Surf. Pressure &
500-hPa Geopot.
31 May 2017 @ 12 UTC

Cloud Cover 31 May 2017 @ 12 UTC

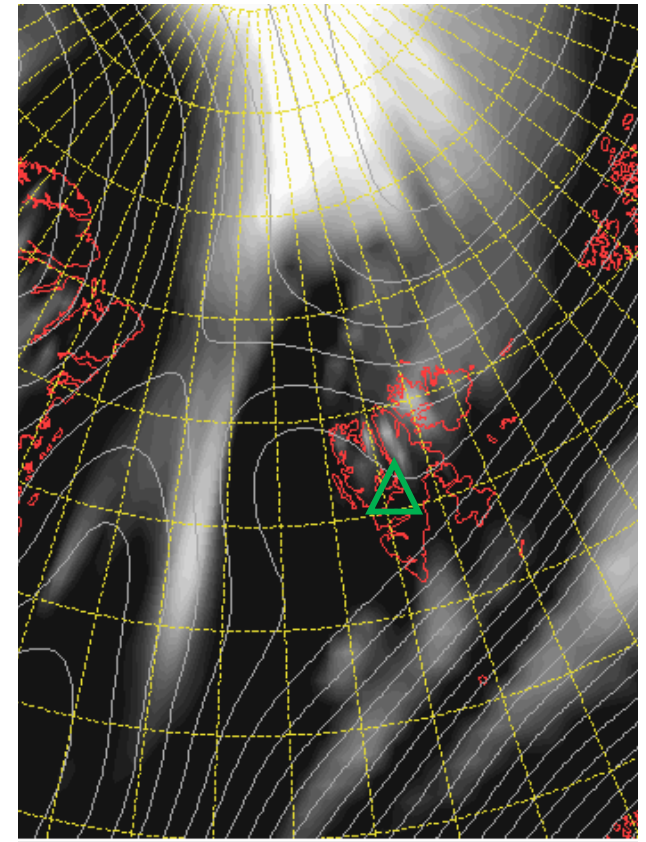
L



M



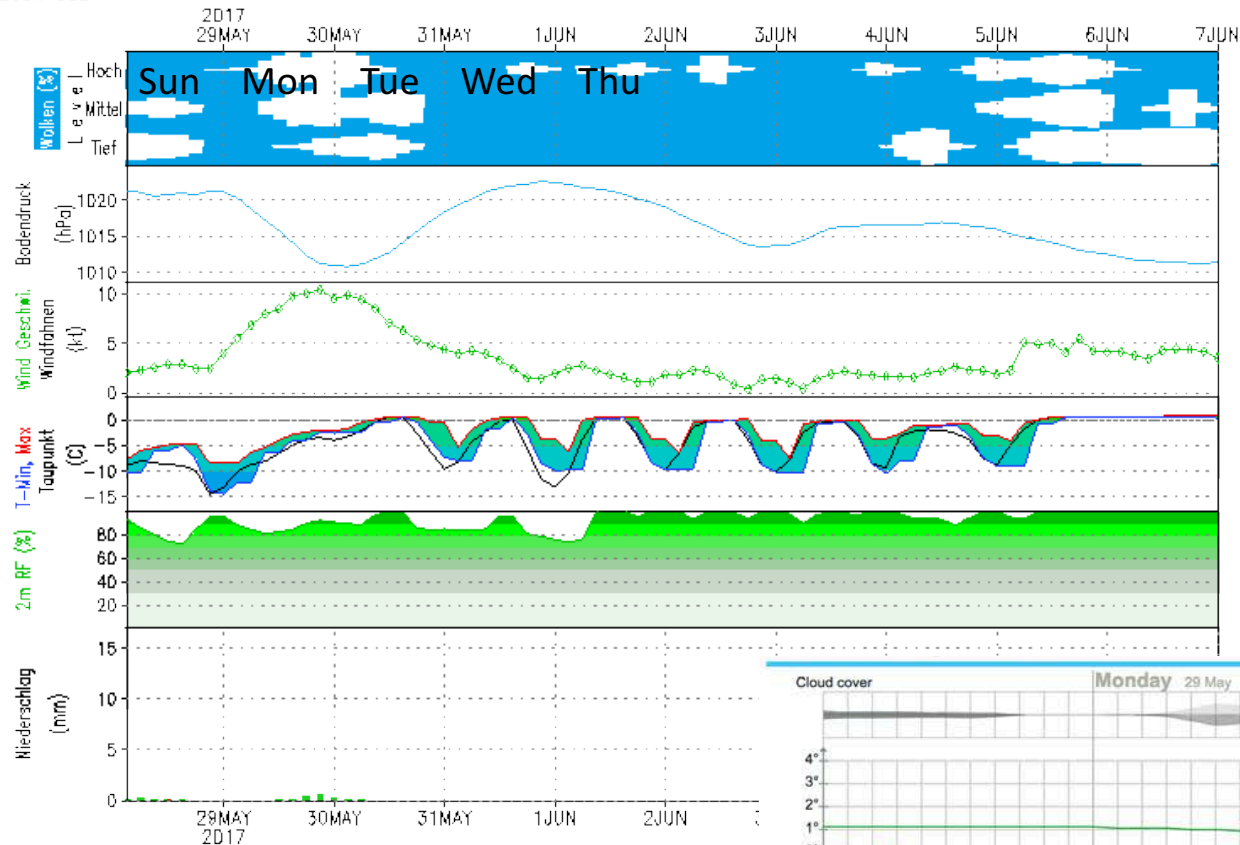
H



GFS – Meteogramm

Lon: 15.63 Lat: 78.22 Hgt: 331m

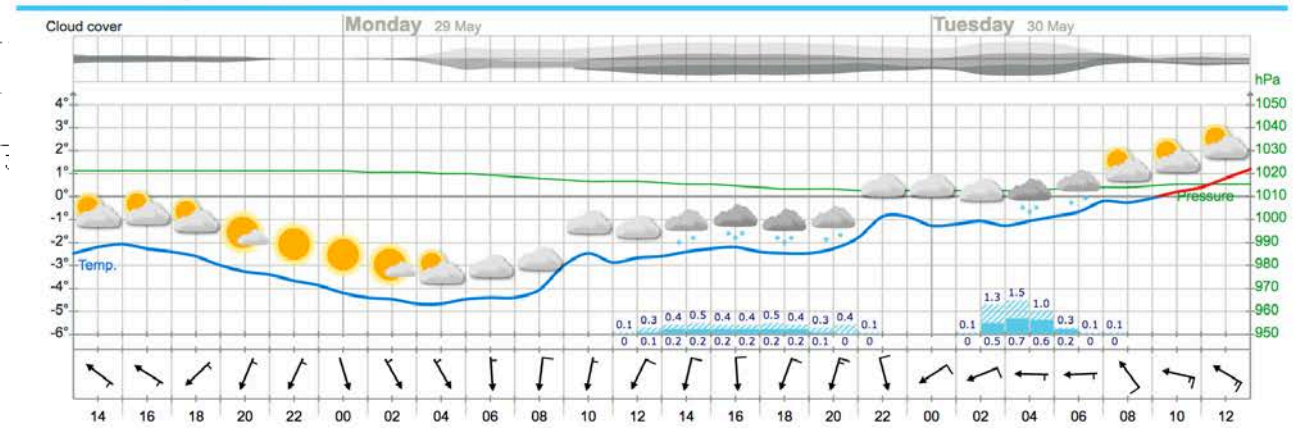
Lauf: 00Z



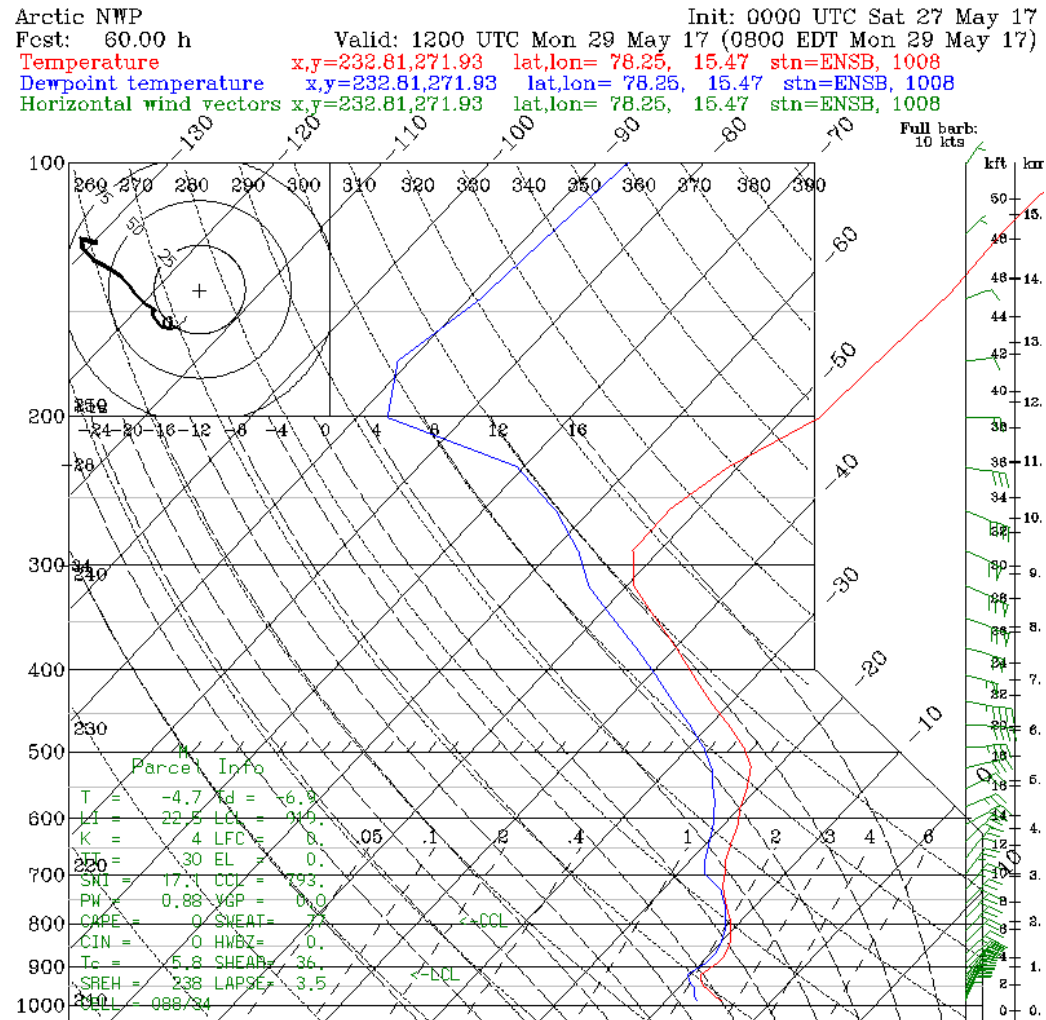
Heute kein Sonnenaufgang
Heute kein Sonnenuntergang

Outlook – Meteogram

YR.no



Sounding Longyearbyen 29 May 2017 @ 12 UTC



Precip. Water 28 May 2017

GFS 0.25°x0.25°
Daily Average

Precipitable Water
Sunday, May 28, 2017

