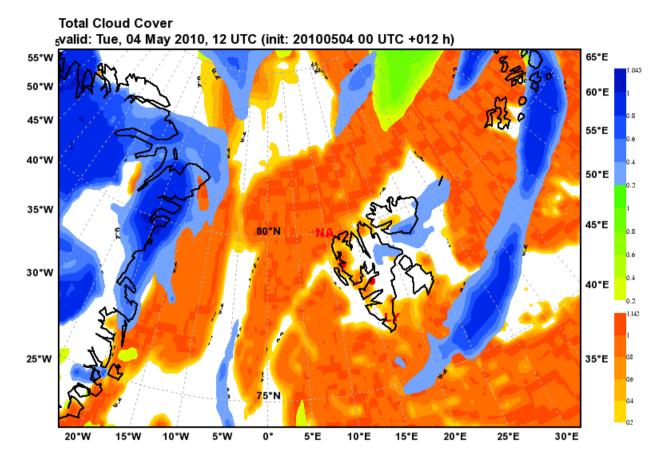


# Weather Forecast Tuesday May 04, 2010

Marc Rautenhaus, DLR/IPA



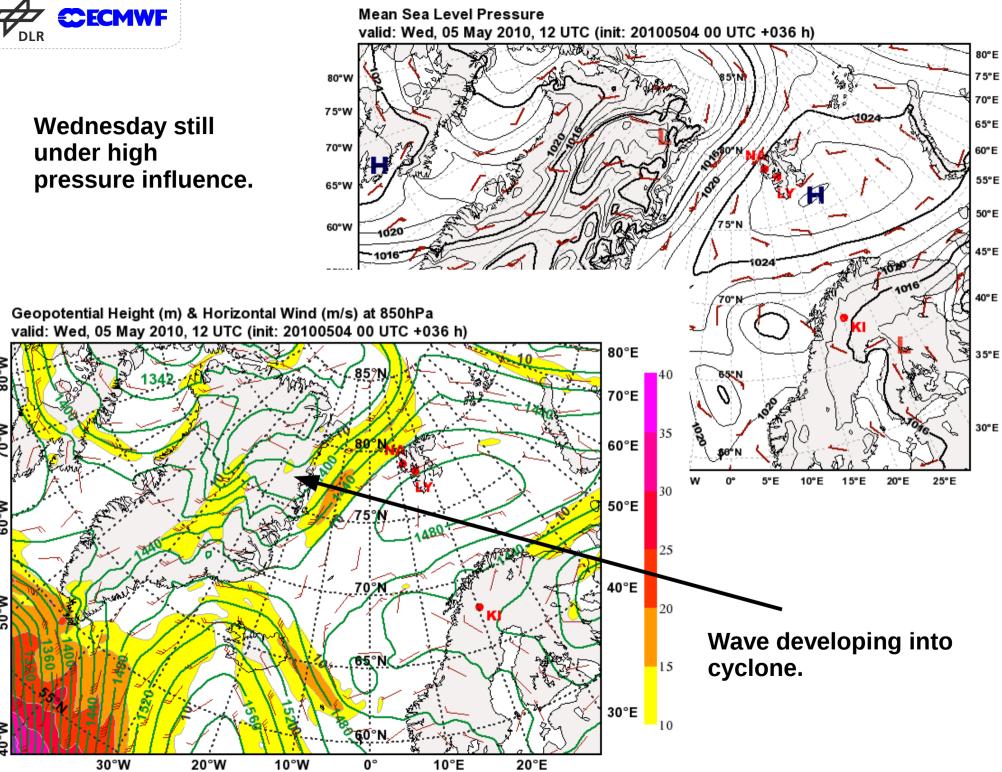
## Satellite vs. ECMWF clouds 12 UTC (14 local)



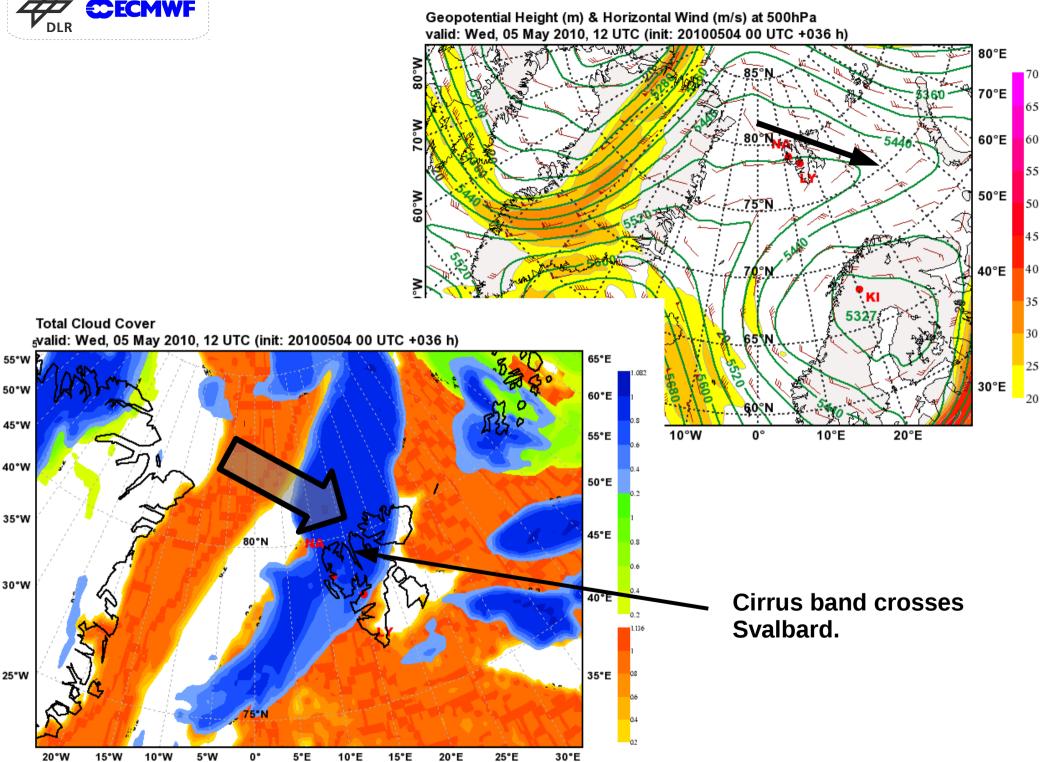


# **Development Wed - Sat**



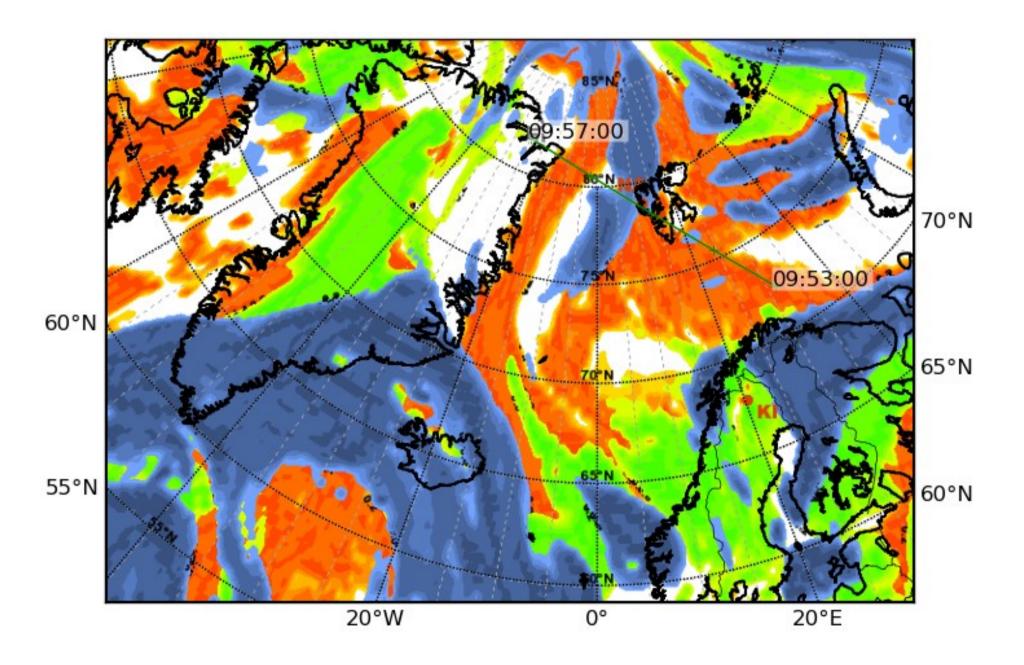






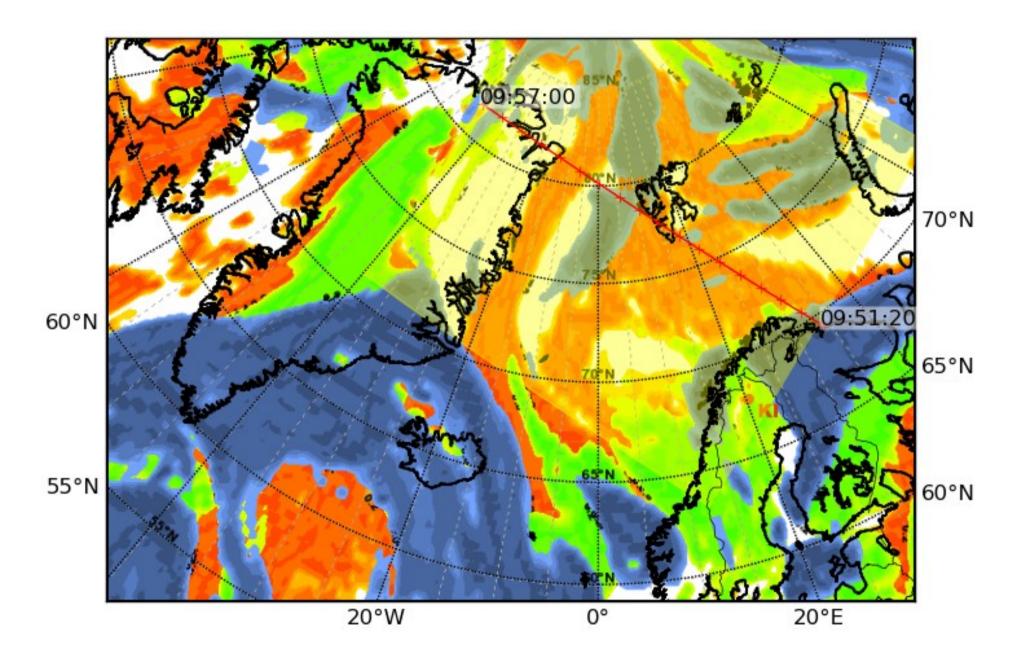


#### **CLOUDSAT overpass (clouds 09 UTC)**





#### **AQUA overpass (clouds 09 UTC)**





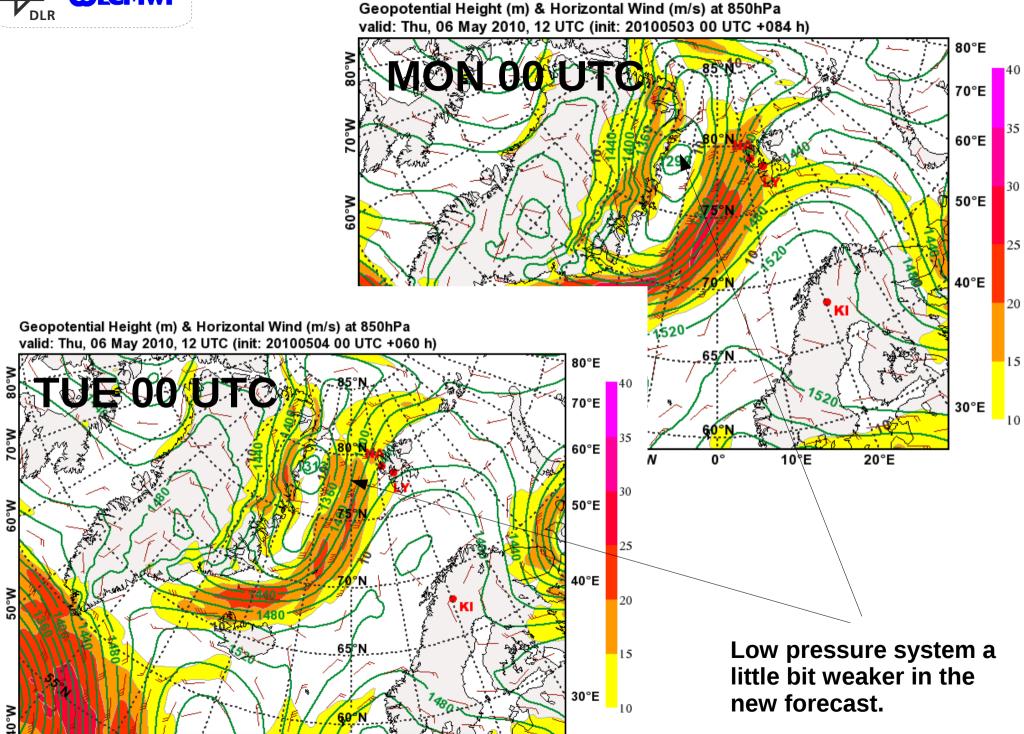
30°W

20°W

10°W

10°E

20°E





55°W

50°W

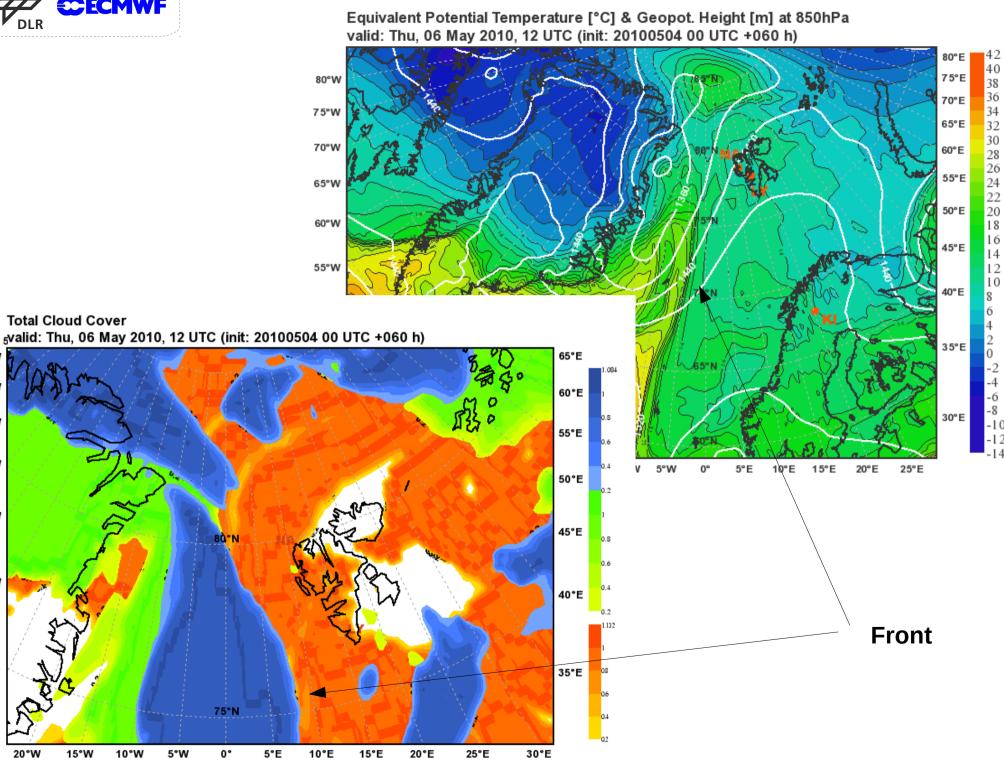
45°W

40°W

35°W

30°W

25°W

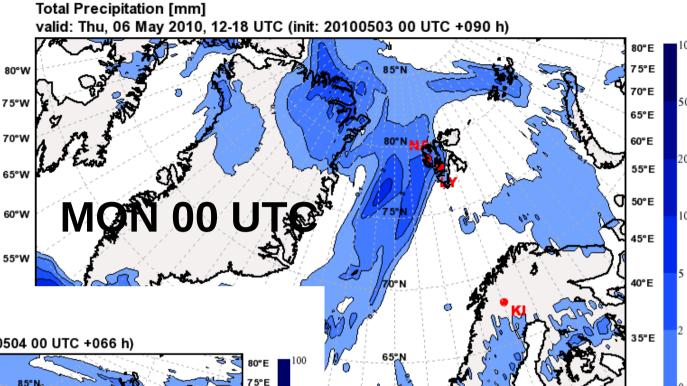


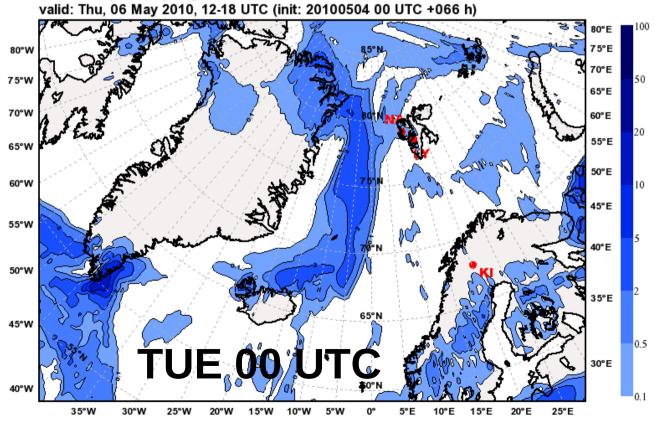


Total Precipitation [mm]

Warm front arrives
Thursday
evening/night, but later
in today's forecast.

(arrival between 15 and 18 UTC)





Conditions should be good for a flight before the front arrives.



Friday: "Bad" weather.

Mean Sea Level Pressure

30°W

25°W

20°W

80°W

75°W

70°W

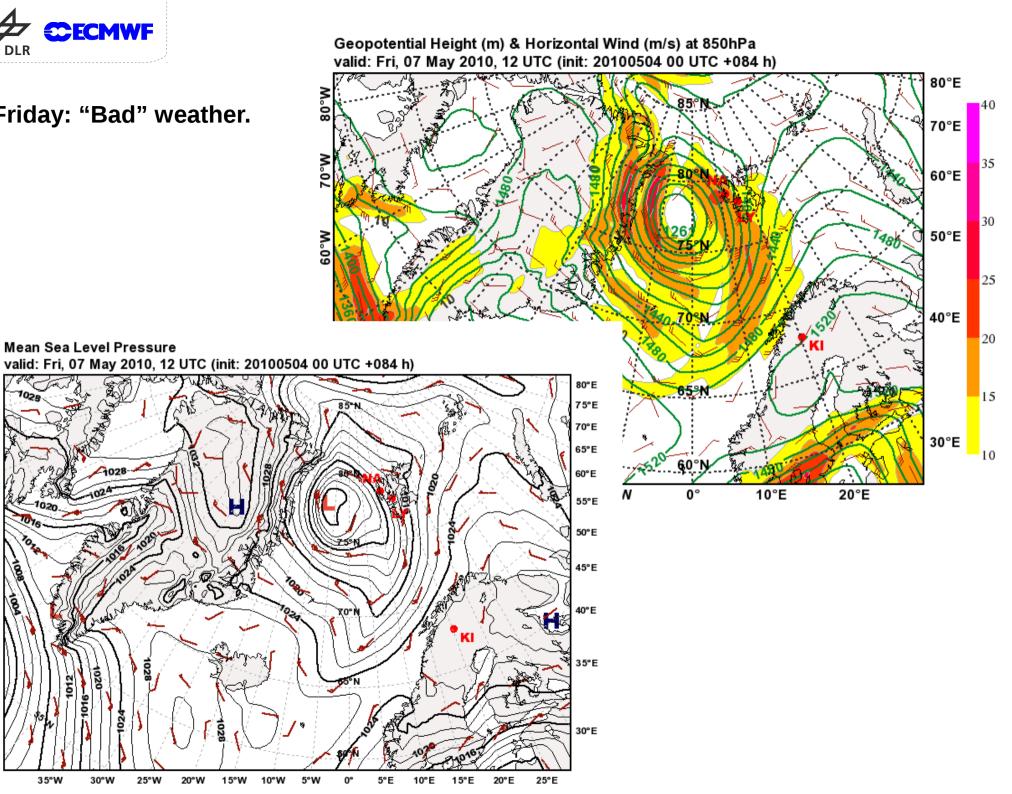
65°W

60°W

55°W

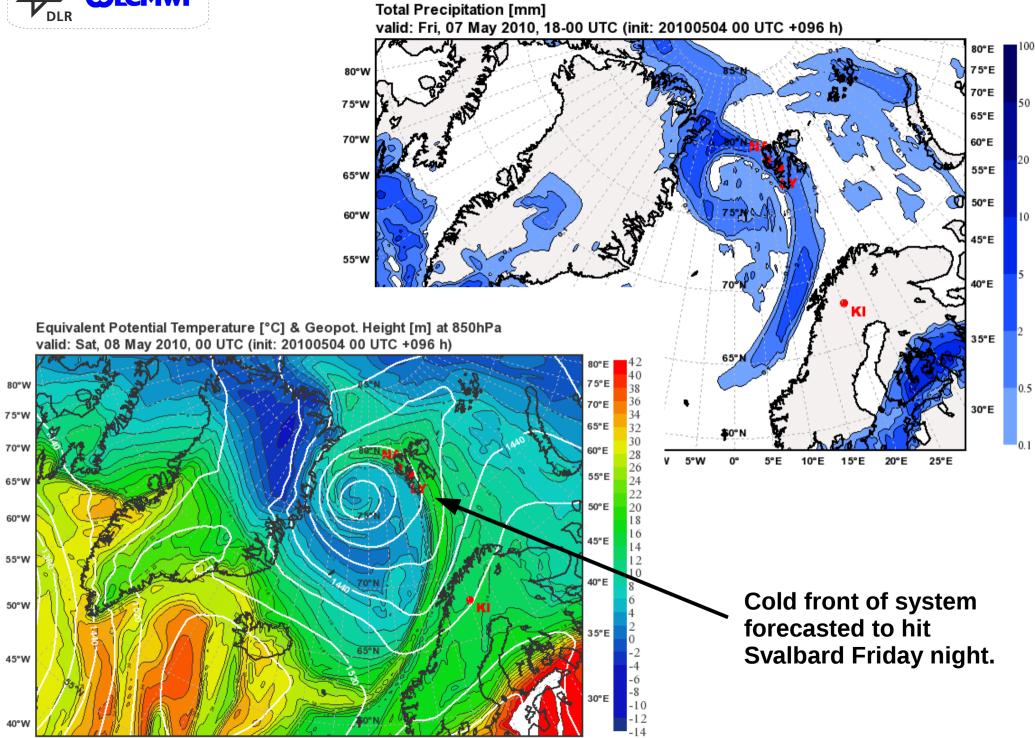
50°W

45°W





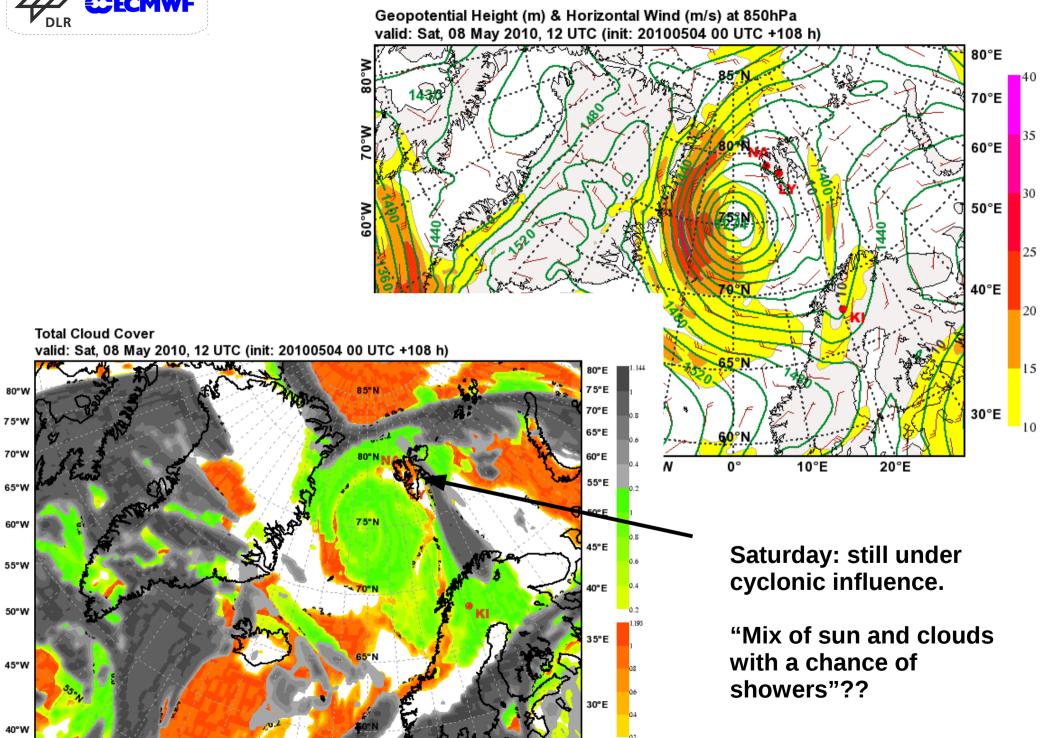
30°W





30°W

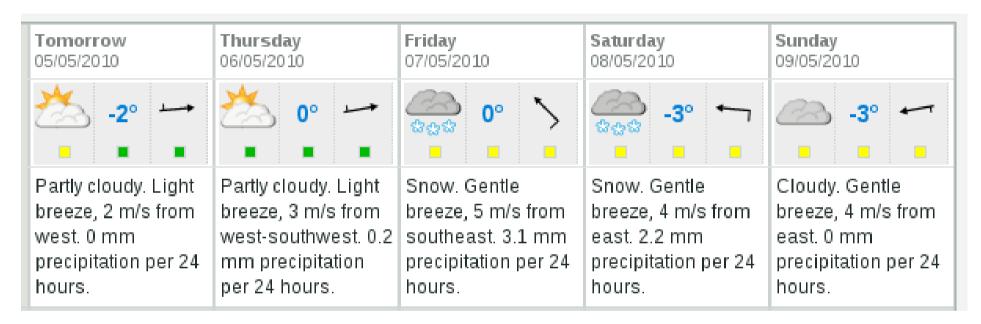
25°W



10°E



# yr.no forecast for Longyearbyen, from Tuesday noon.

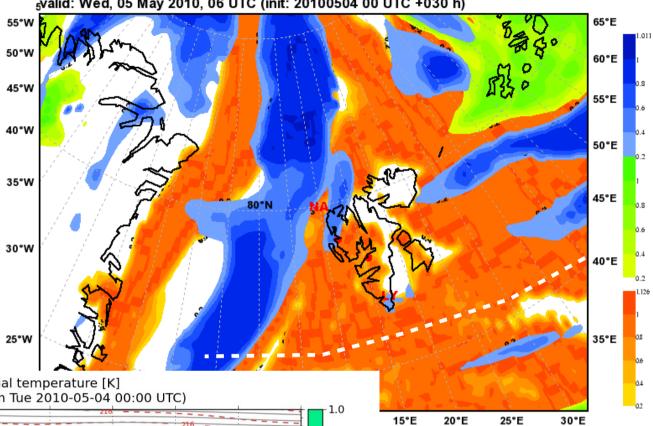


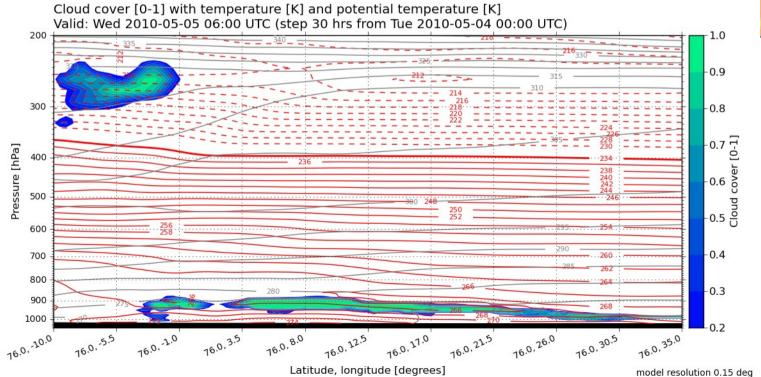


### Wednesday vertical sections.



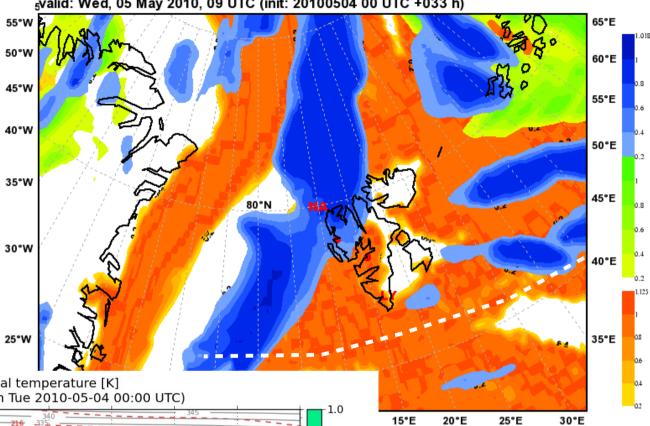




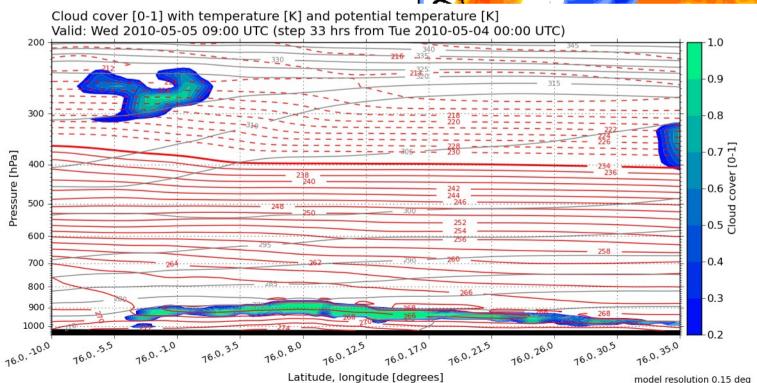






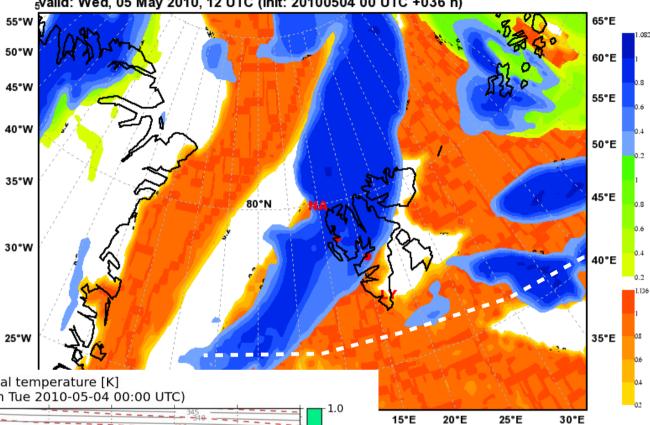


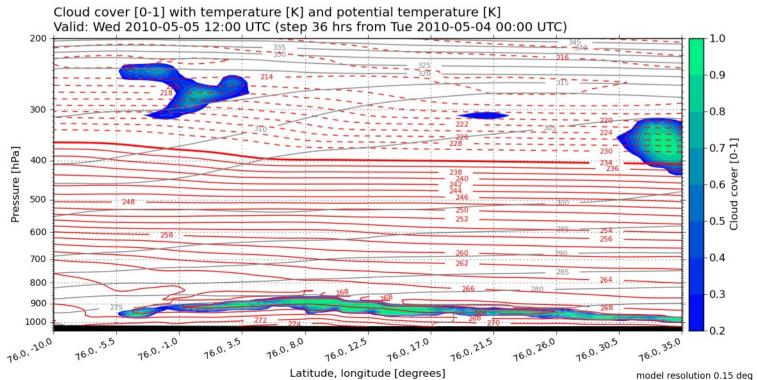
model resolution 0.15 deg





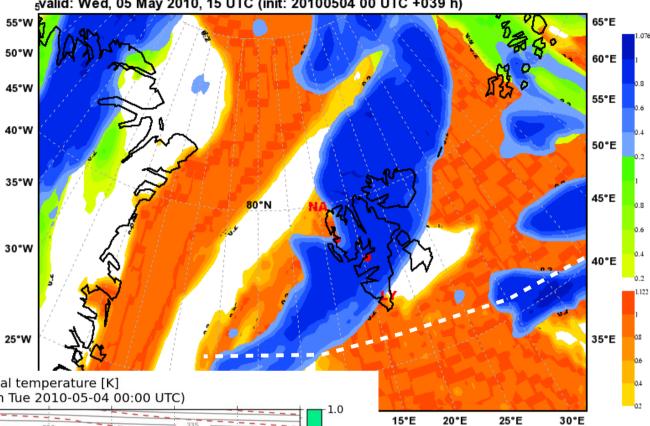


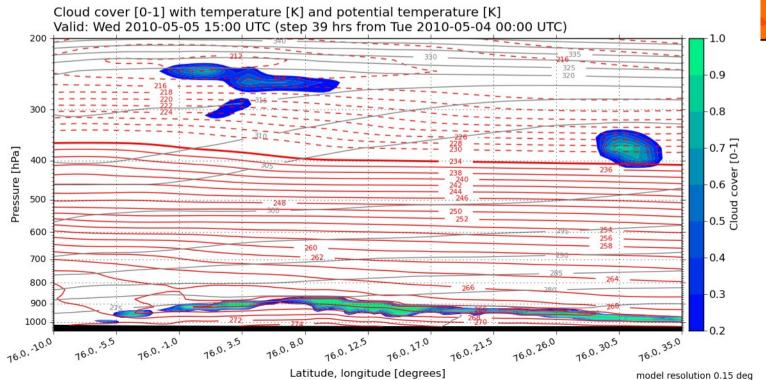




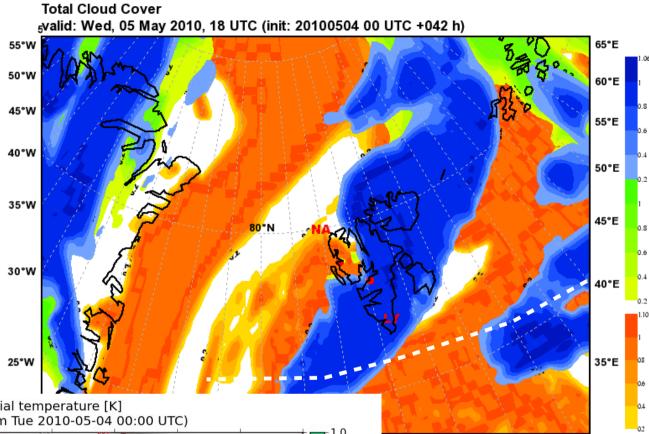










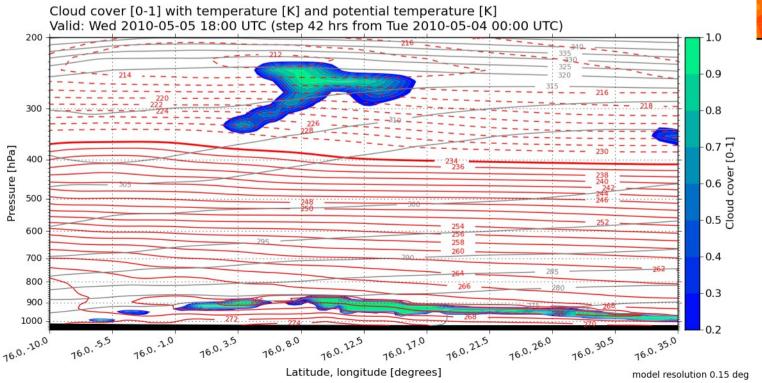


15°E

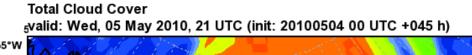
20°E

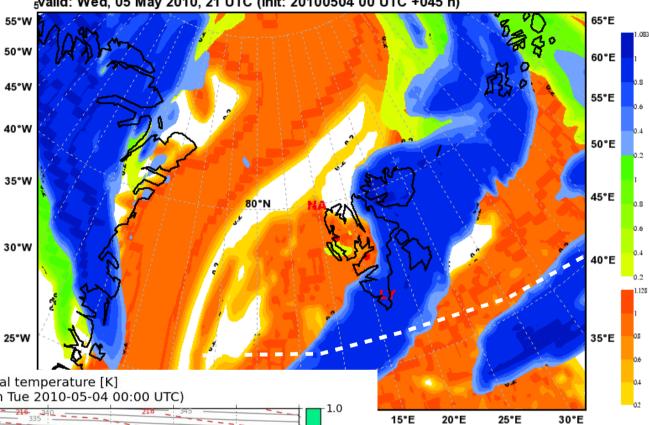
25°E

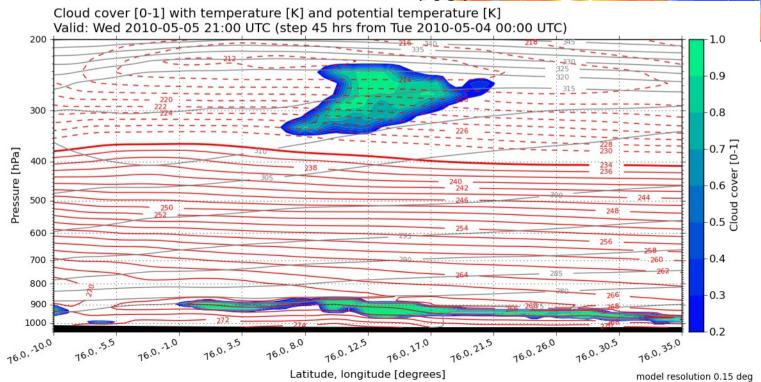
30°E





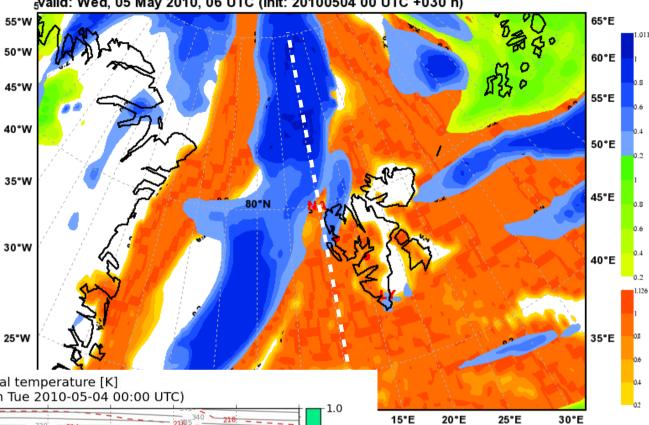


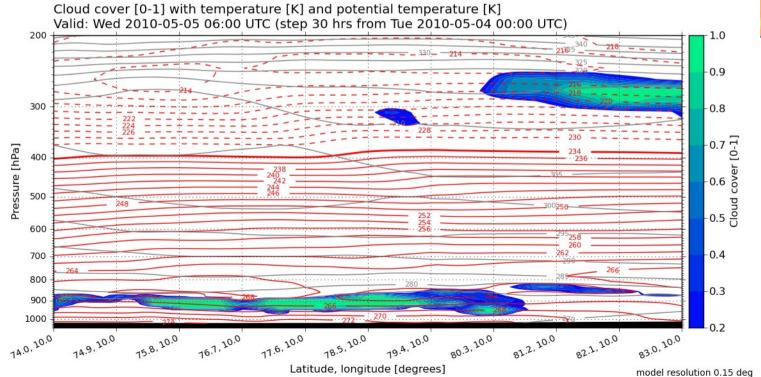






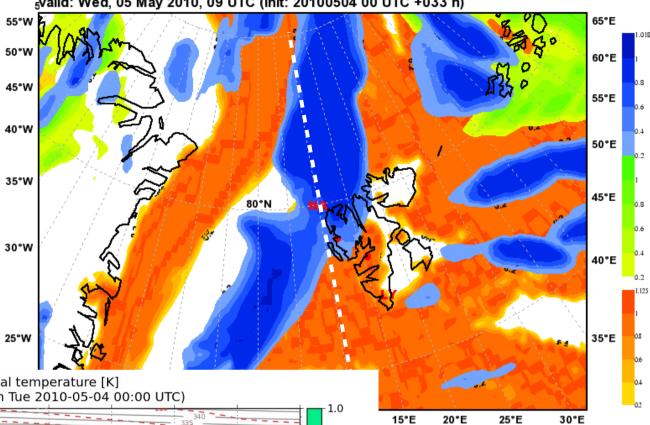


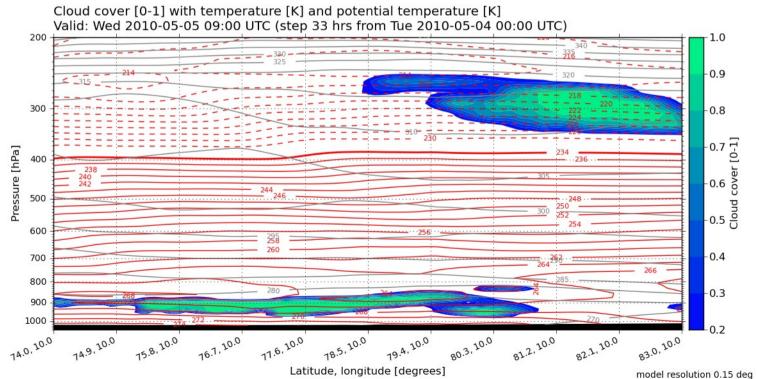






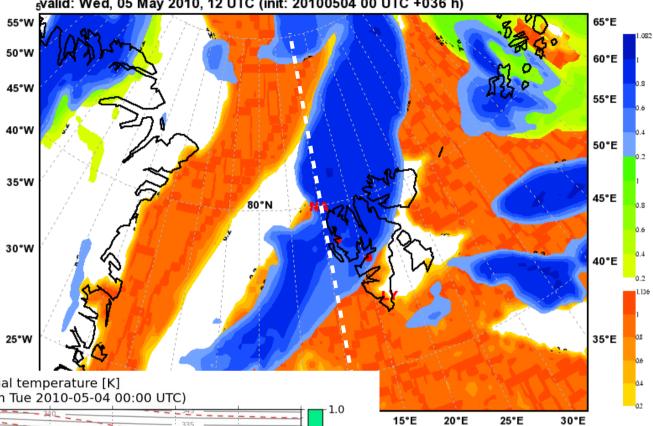


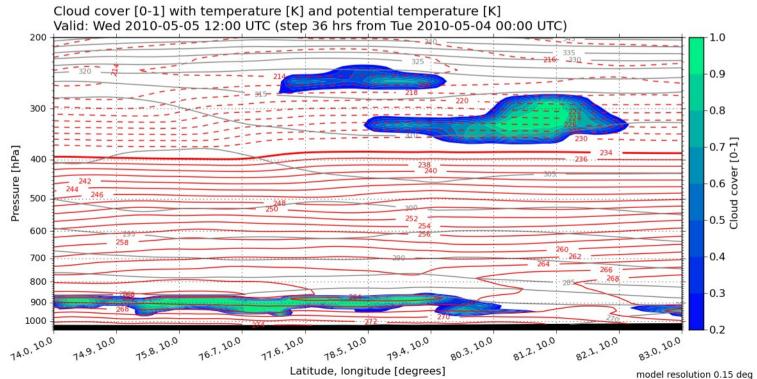






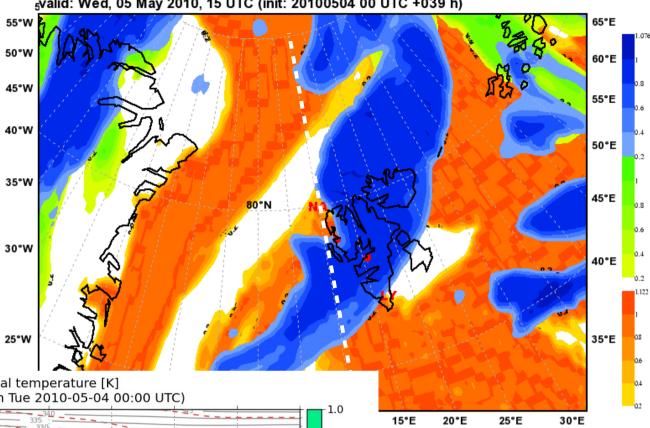


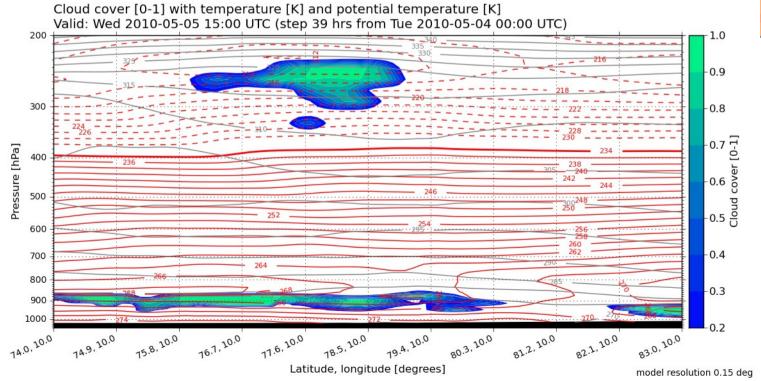




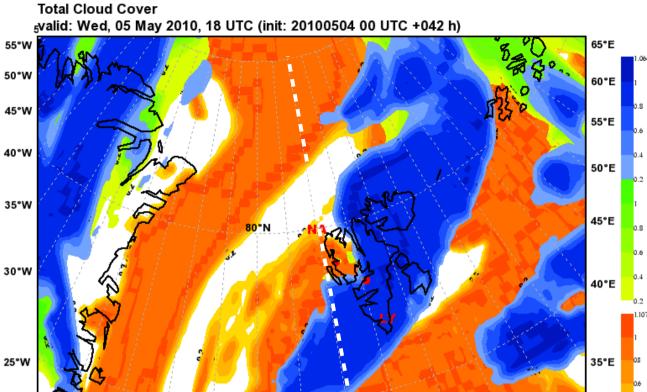












30°E

