

Weather Information

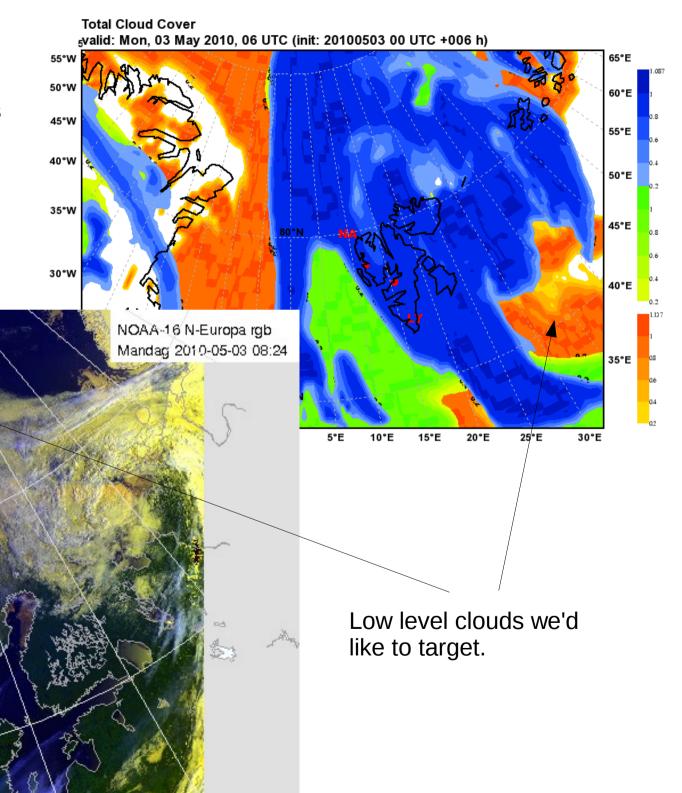
Monday May 03, 2010

Marc Rautenhaus, DLR/IPA



Satellite vs. ECMWF clouds

06 UTC (08 local) 08:24 local





TAF

>>> ENSB (SVALBARD/LONGYEAR) <<<

METAR 030650Z 11011KT 9999 -SN FEW010 SCT020 BKN035 M03/M05 Q1016 RMK WIND 1400FT 09016KT

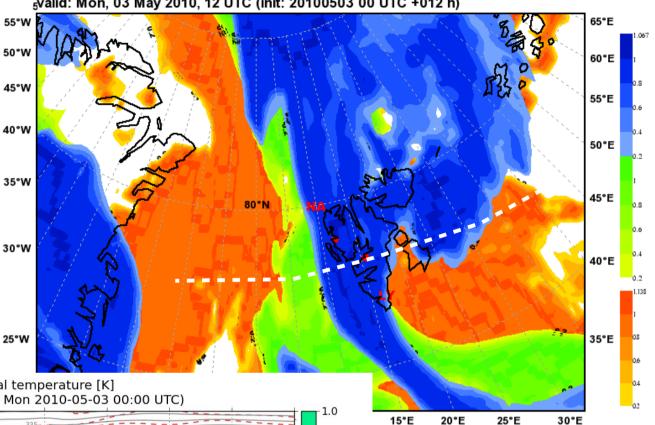
TAF 030500Z 0306/0406 11015KT 9999 FEW012 BKN030 TEMP0 0306/0312 11025KT 4000 -SN VV012

Problem: Danger of icing in the area. When is takeoff possible?

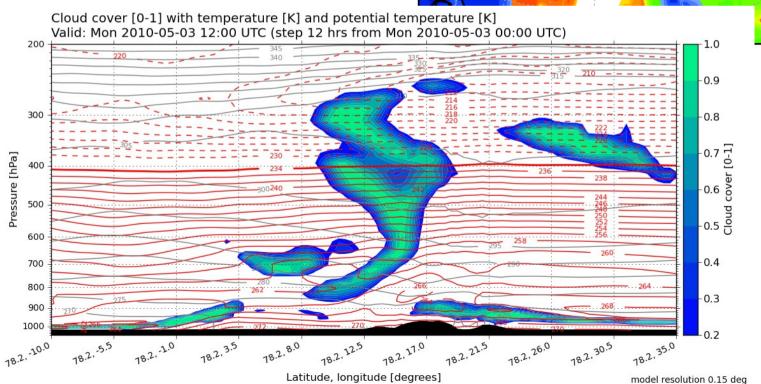


Forecasted situation at 12 UTC (14 local)

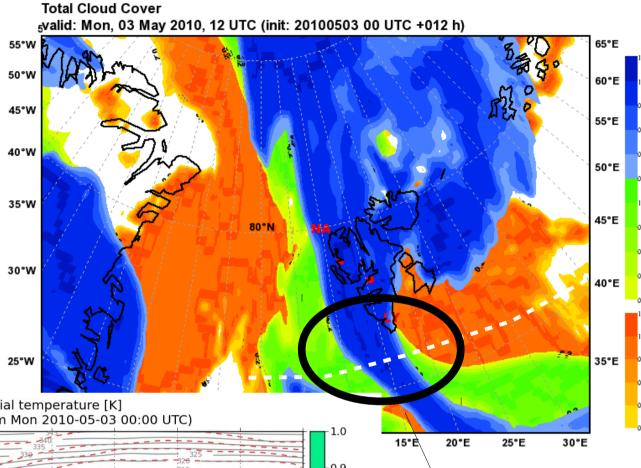


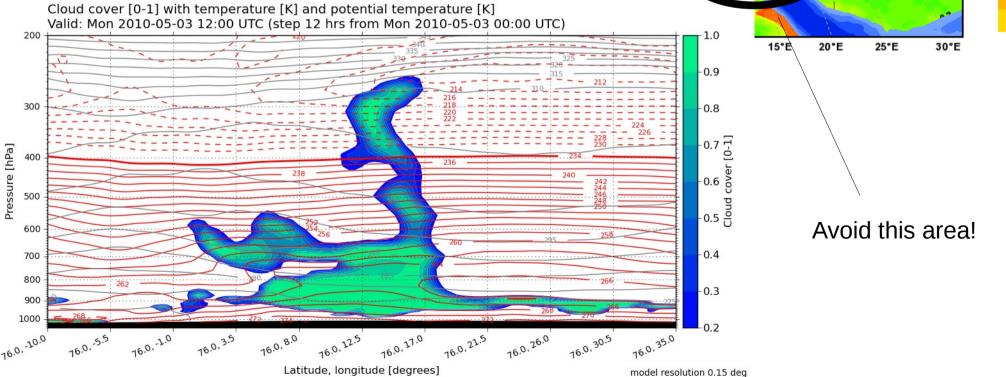


E-W along 78.22N



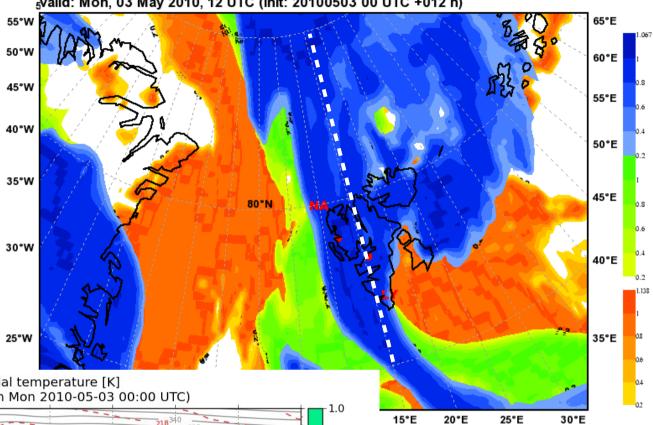


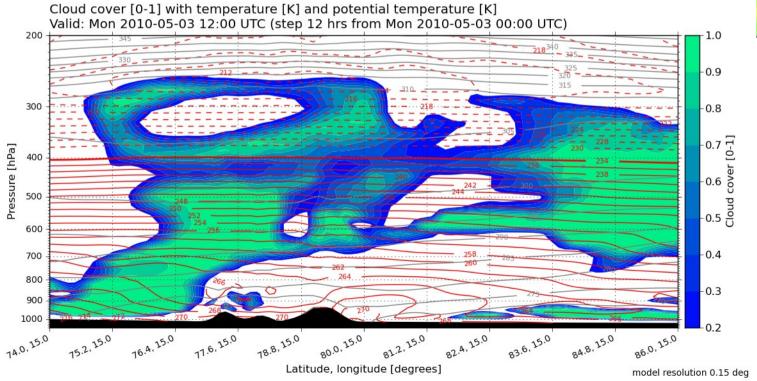




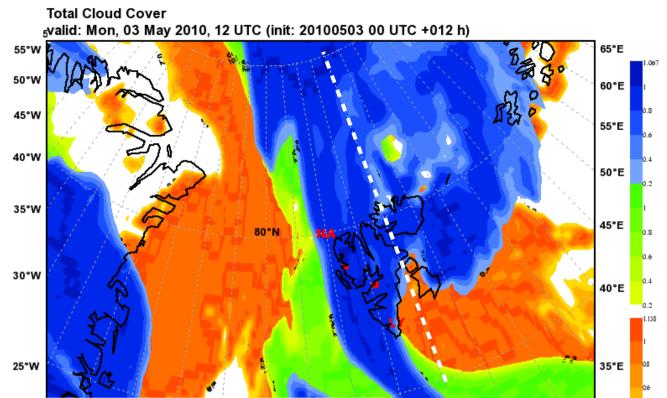












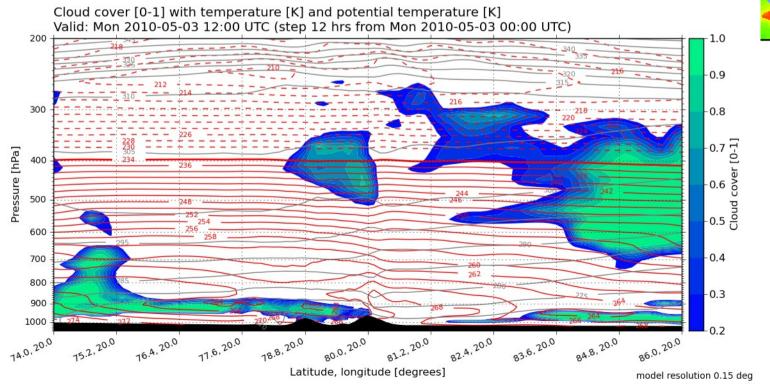
15°E

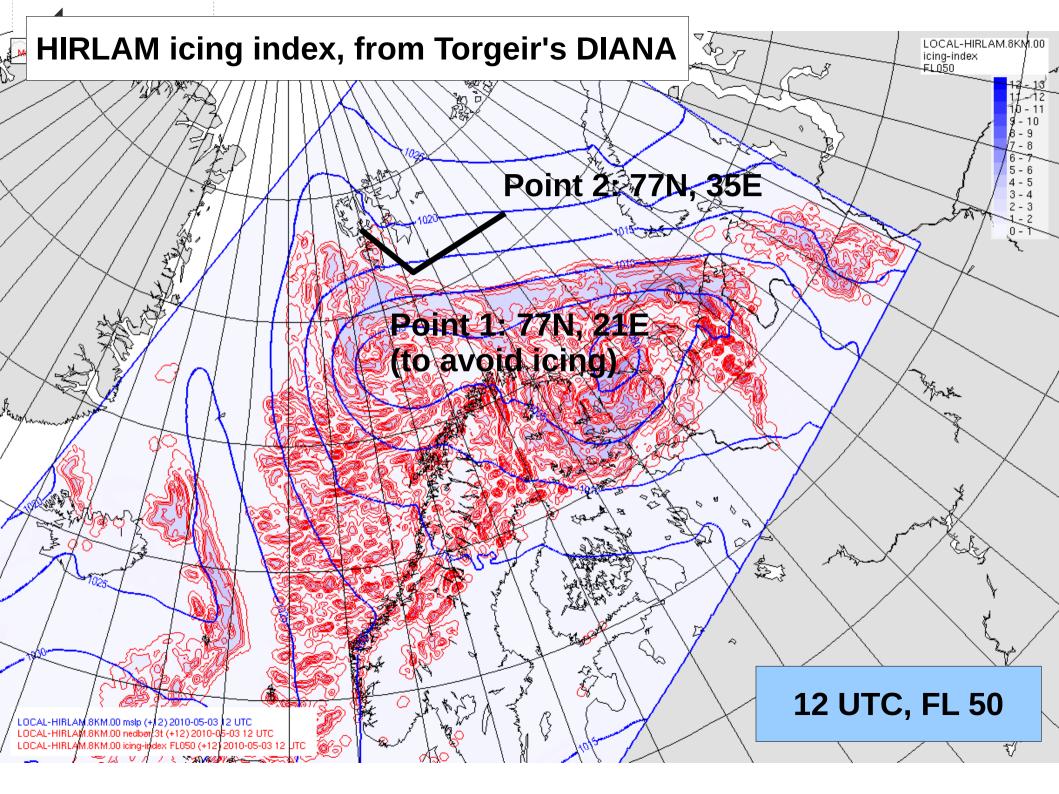
20°E

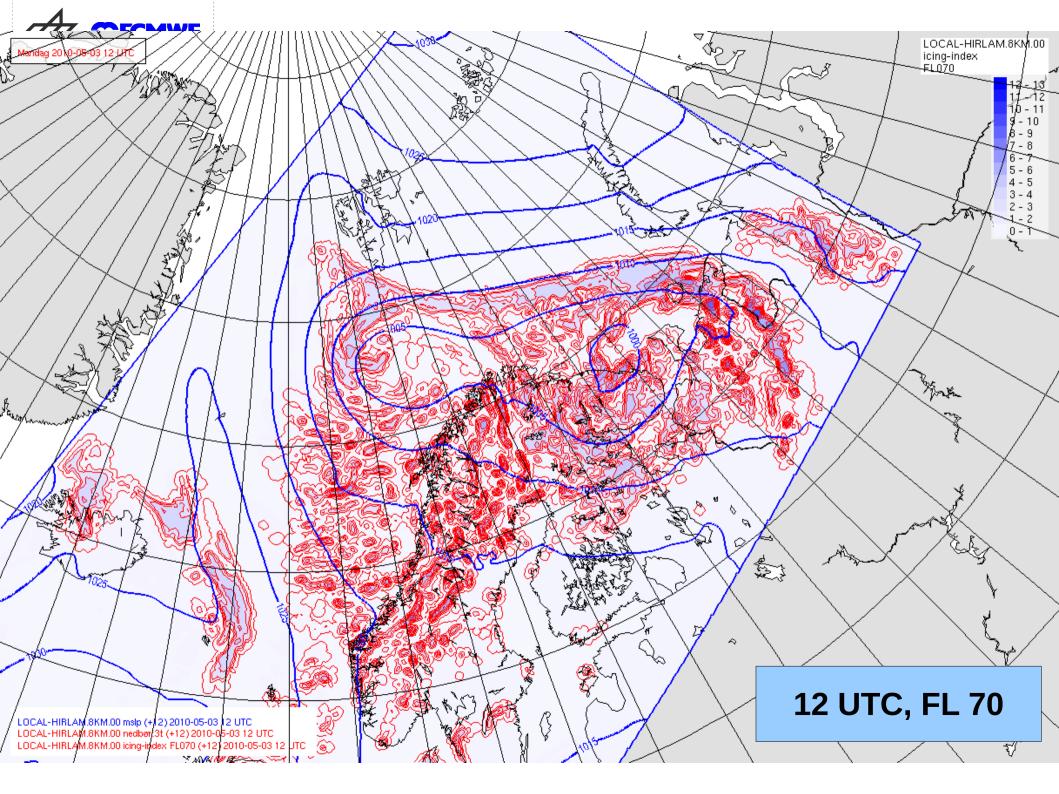
25°E

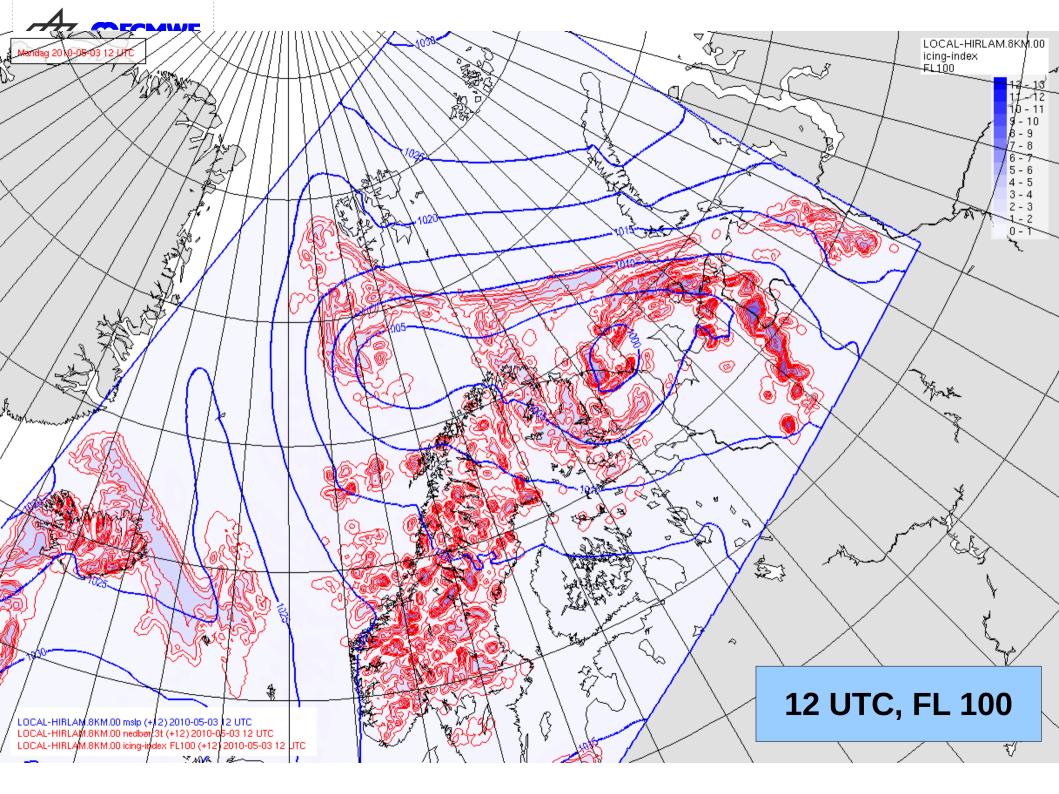
30°E

N-S along 20E





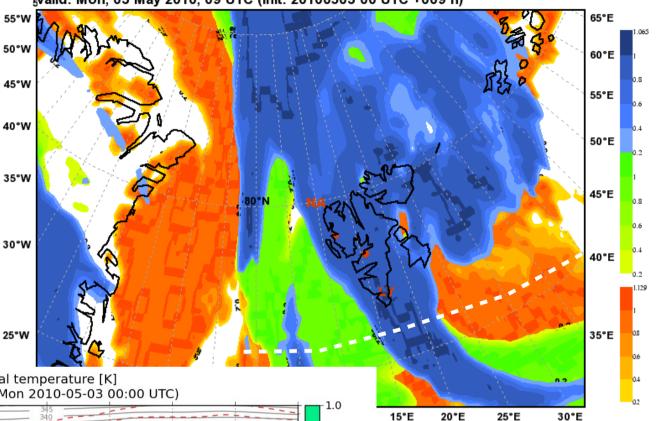


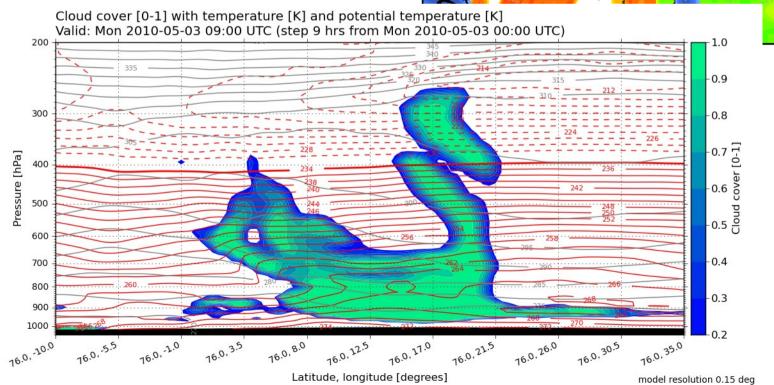




Cloud development Monday

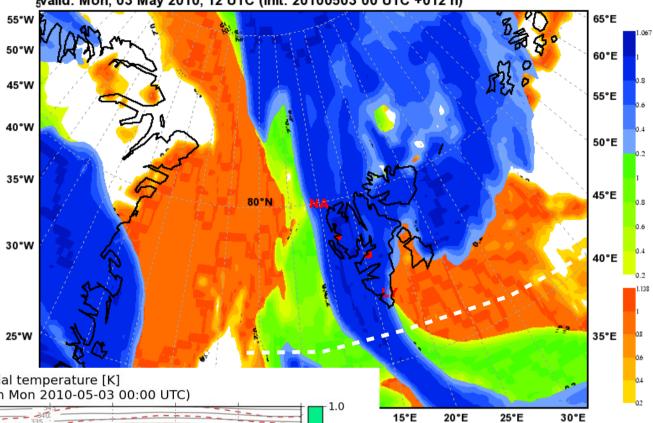
Total Cloud Cover ₅valid: Mon, 03 May 2010, 09 UTC (init: 20100503 00 UTC +009 h)

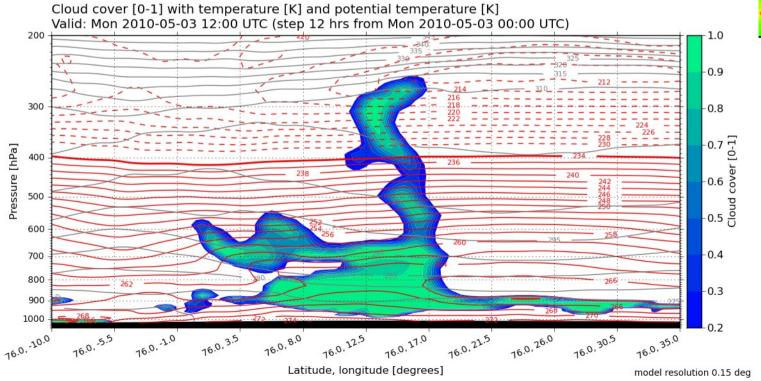






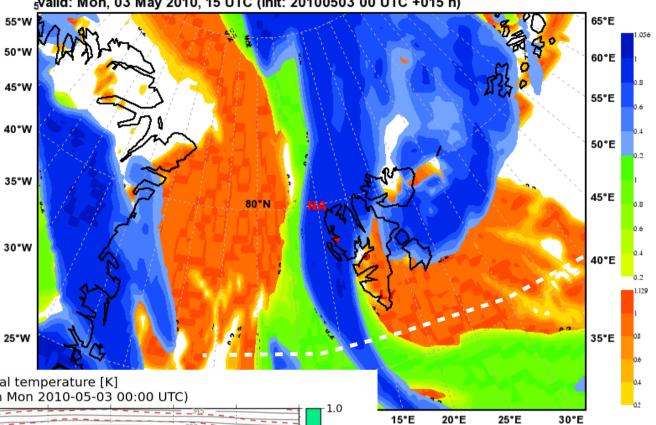


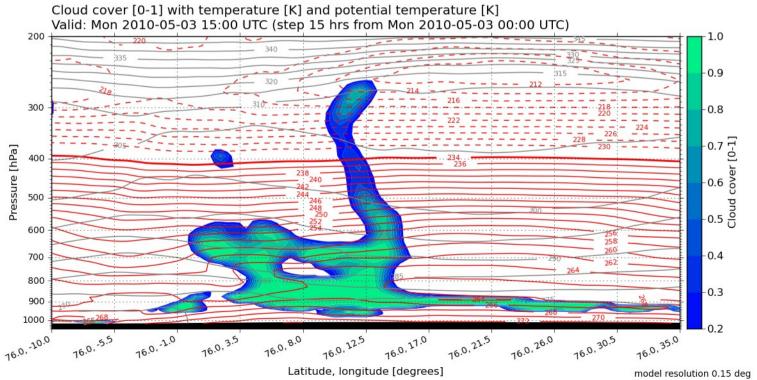






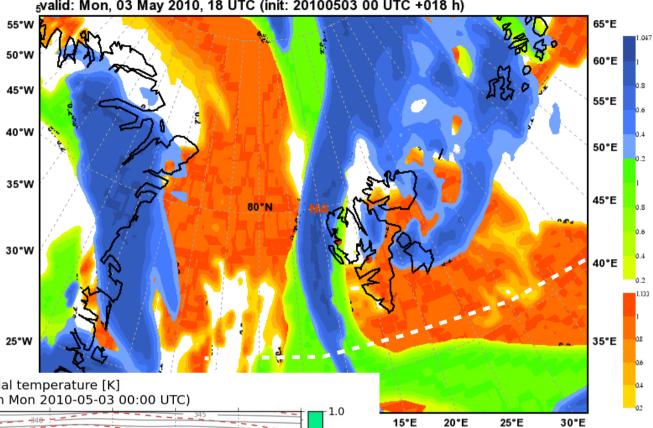


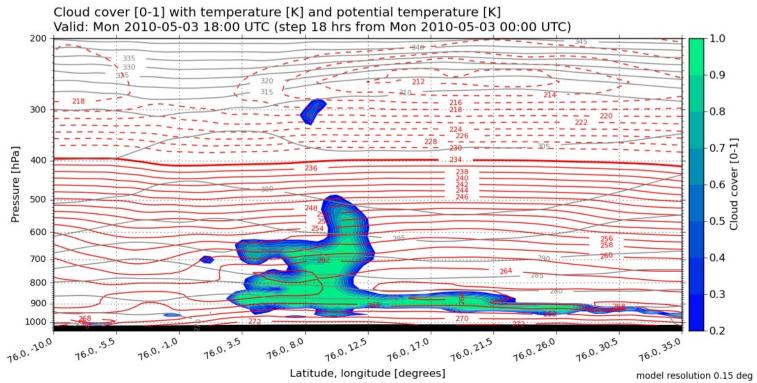






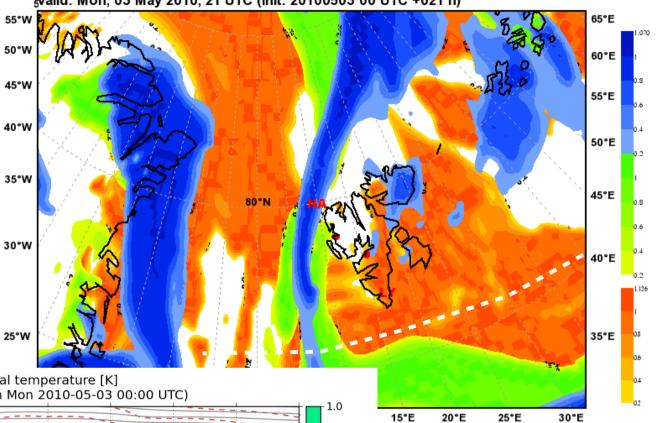


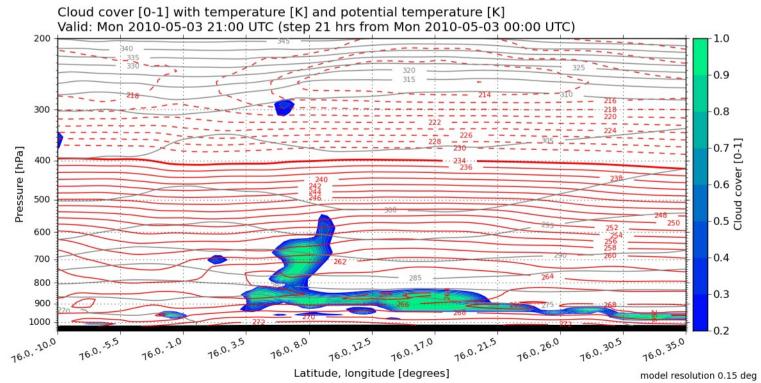














Development Tue - Fri



Total Cloud Cover

15°W

10°W

5°W

55°W

50°W

45°W

40°W

35°W

30°W

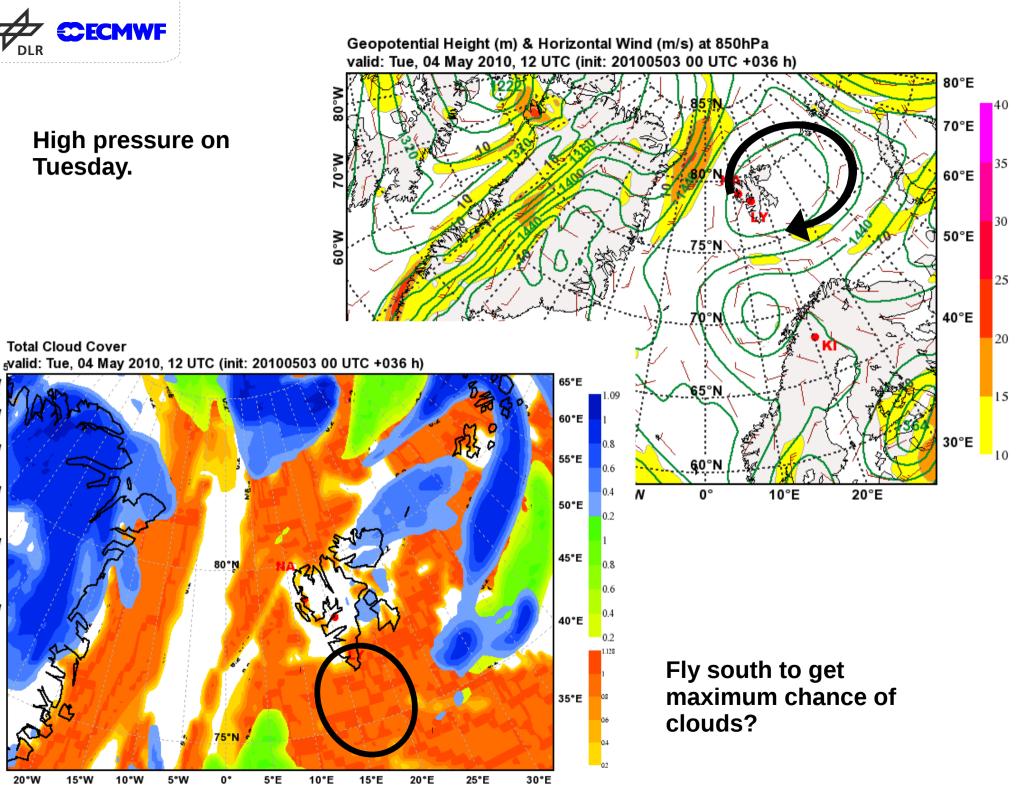
25°W

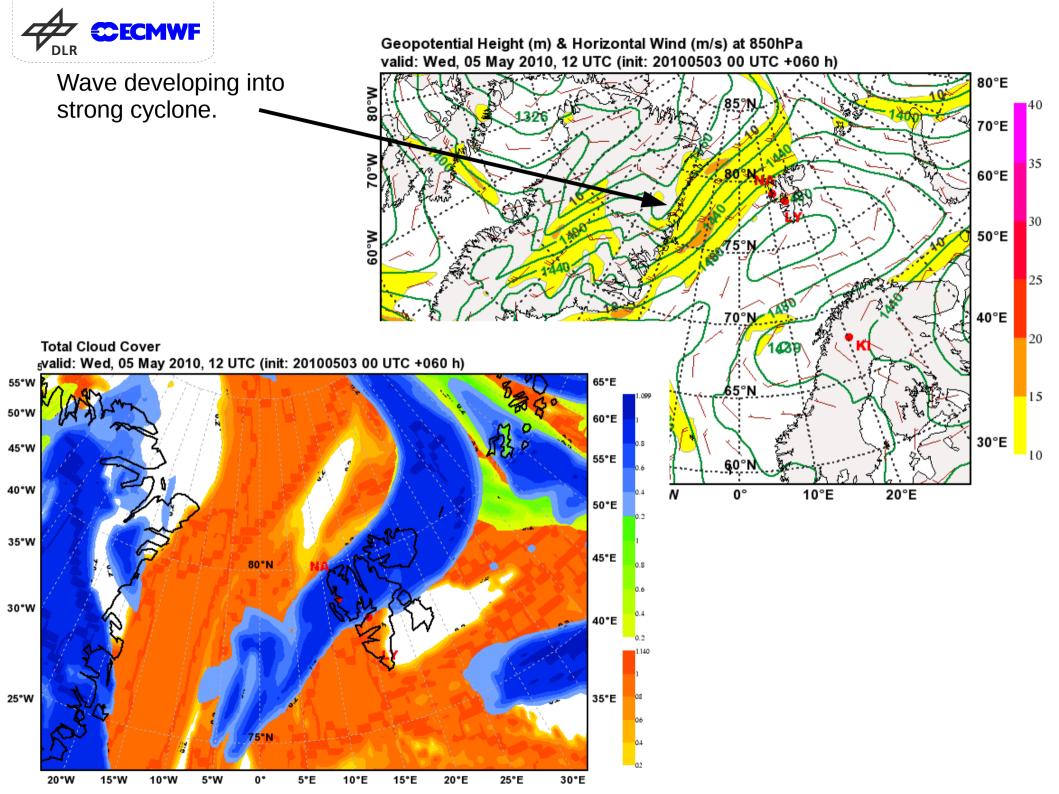
High pressure on Tuesday.

80°N

0°

5°E







15°W

10°W

5°W

0°

5°E

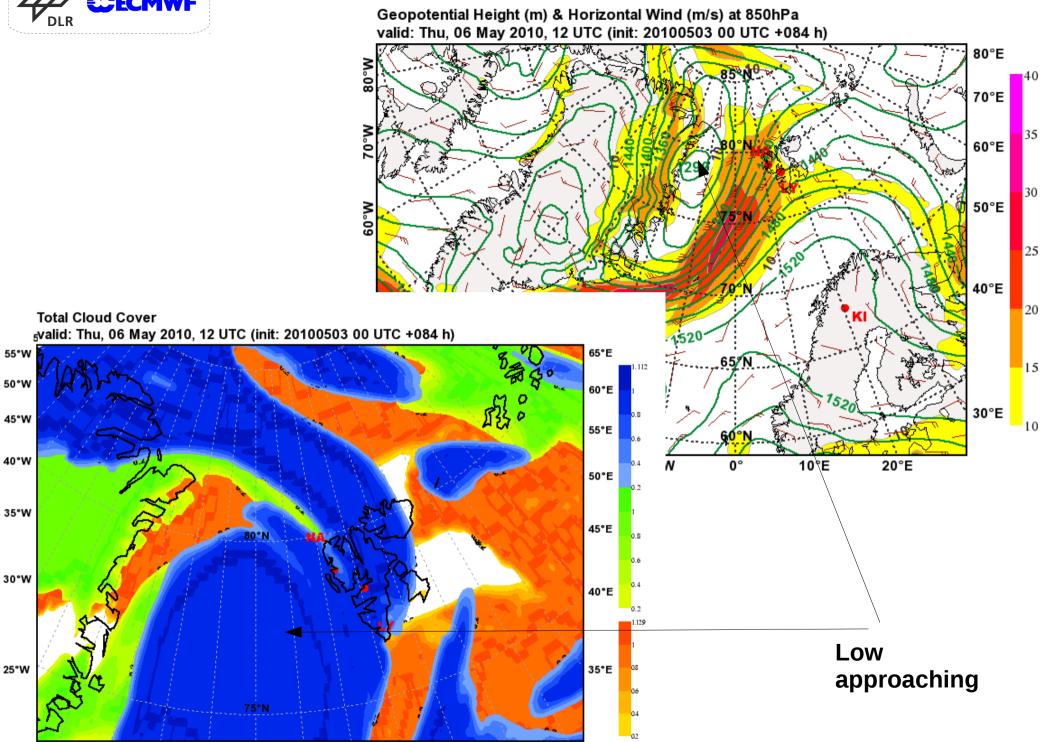
10°E

15°E

20°E

25°E

30°E





80°W

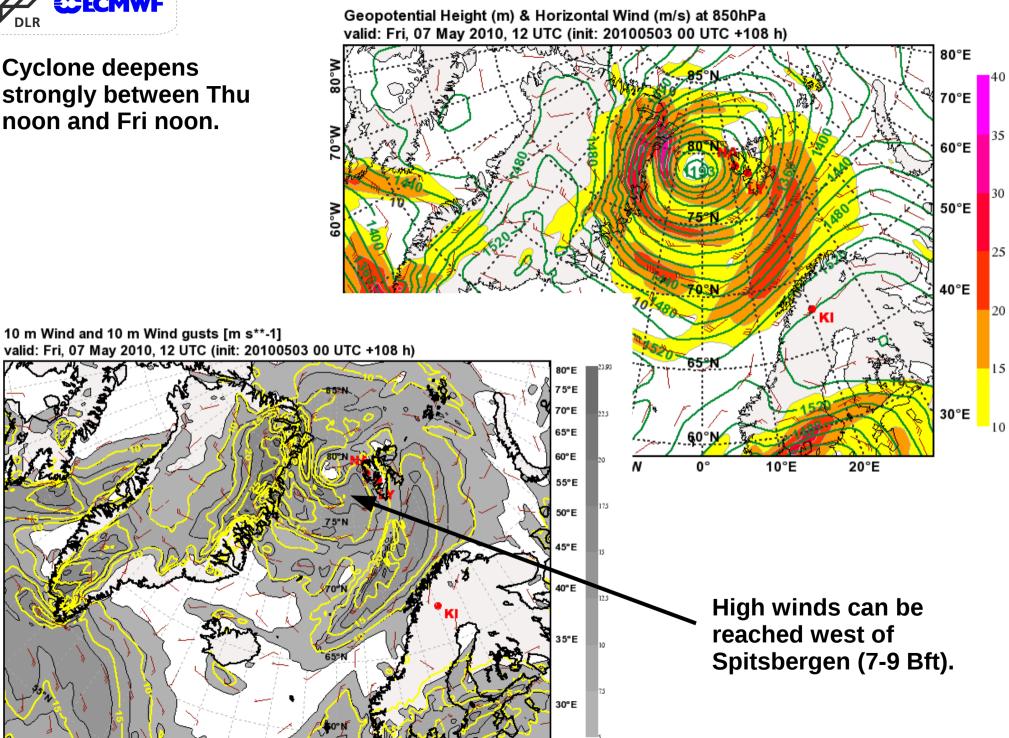
75°W

60°W

45°W

35°W

Cyclone deepens strongly between Thu noon and Fri noon.





80°W

75°W

70°W

65°W

60°W

55°W

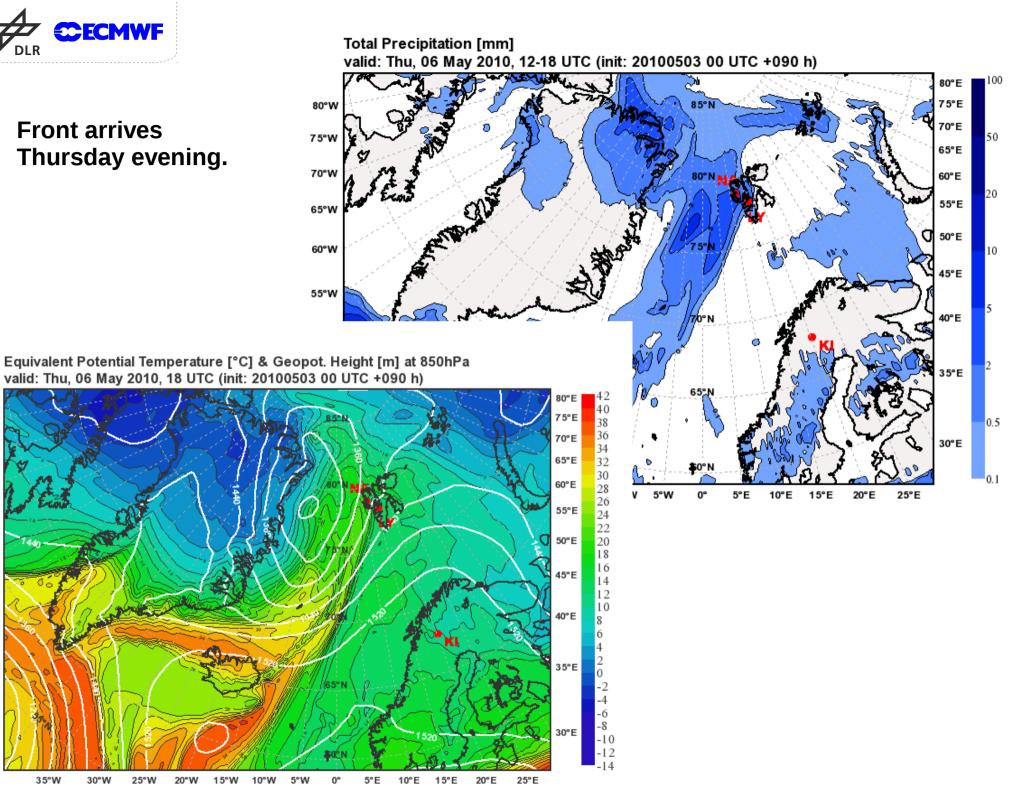
50°W

45°W

30°W

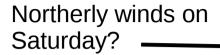
25°W

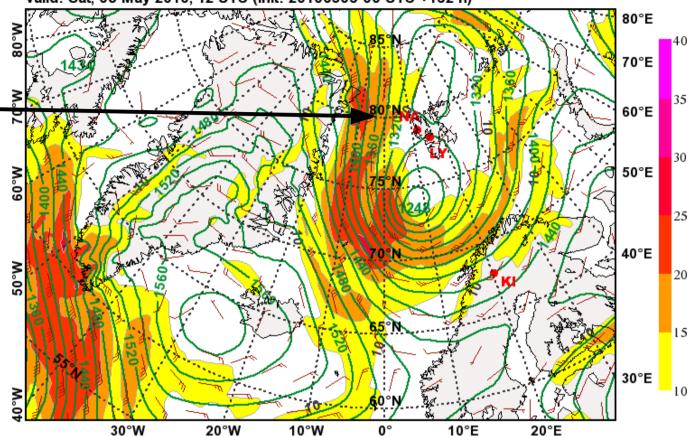
Front arrives Thursday evening.





Geopotential Height (m) & Horizontal Wind (m/s) at 850hPa valid: Sat, 08 May 2010, 12 UTC (init: 20100503 00 UTC +132 h)







Tuesday vertical sections.





