

Weather Forecast

Friday May 07, 2010

Marc Rautenhaus, DLR/IPA



Saturday: Cyclone transported southeastward by upper level flow.

Mean Sea Level Pressure

30°W

80°W

75°W

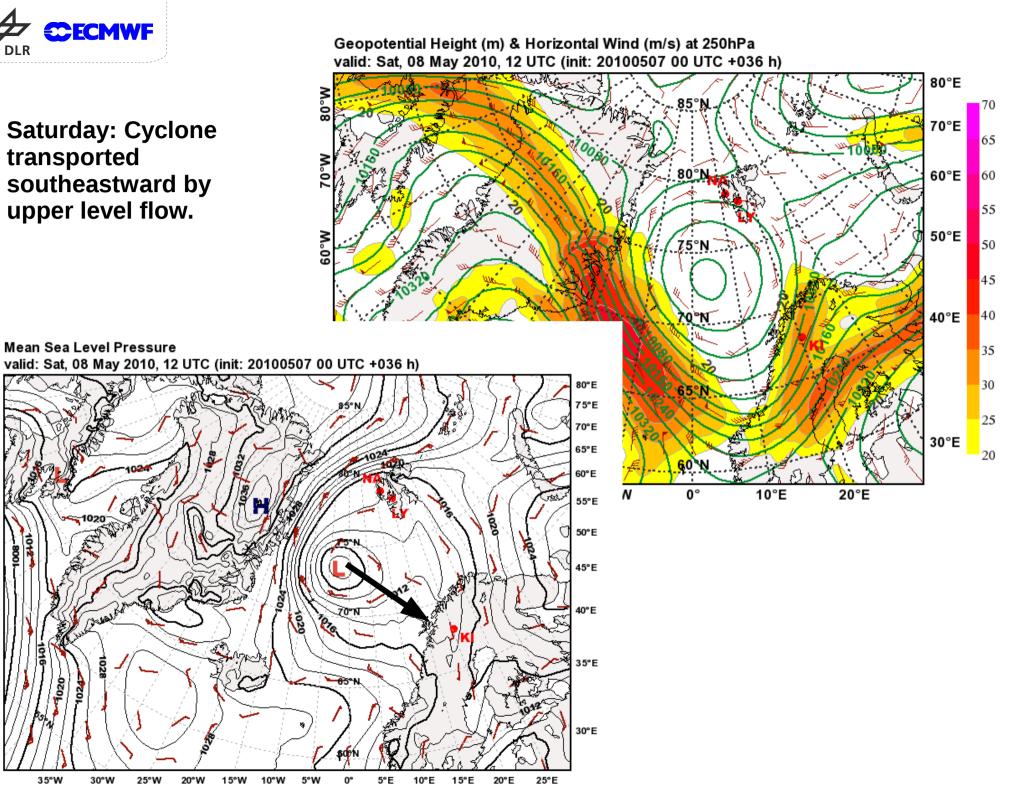
70°W

65°W

60°W

55°W

45°W





45°W

40°W

35°W

30°W

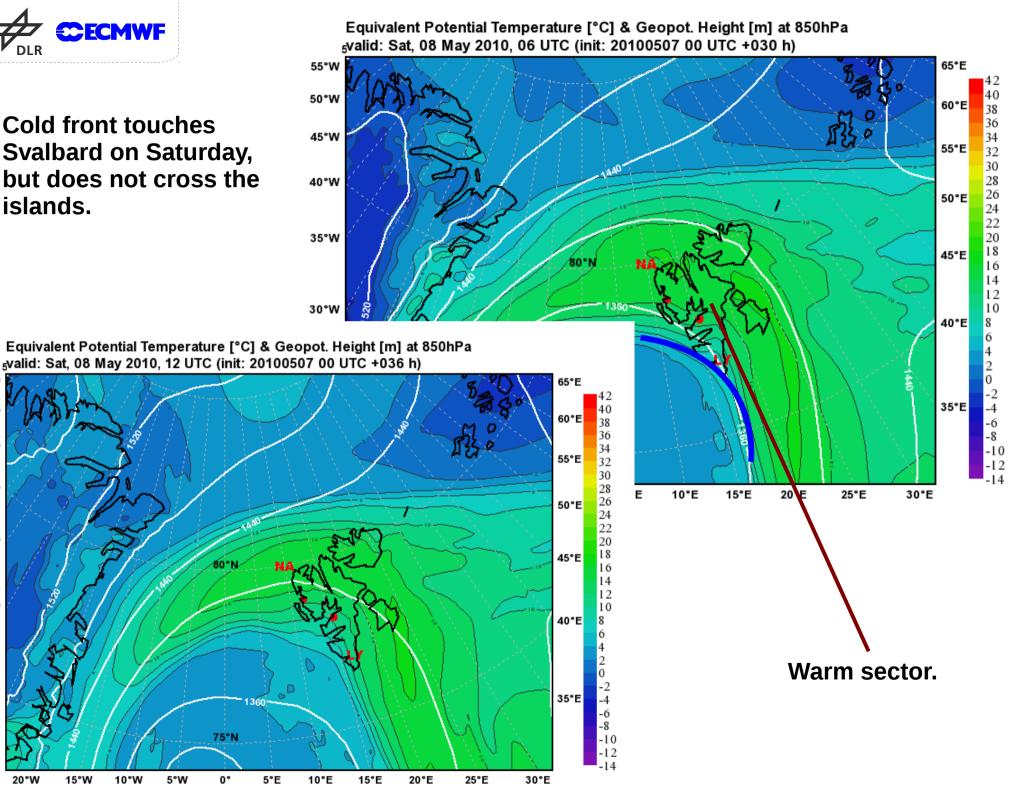
15°W

10°W

Cold front touches Svalbard on Saturday, but does not cross the islands.

75°N

0°





50°W

45°W

40°W

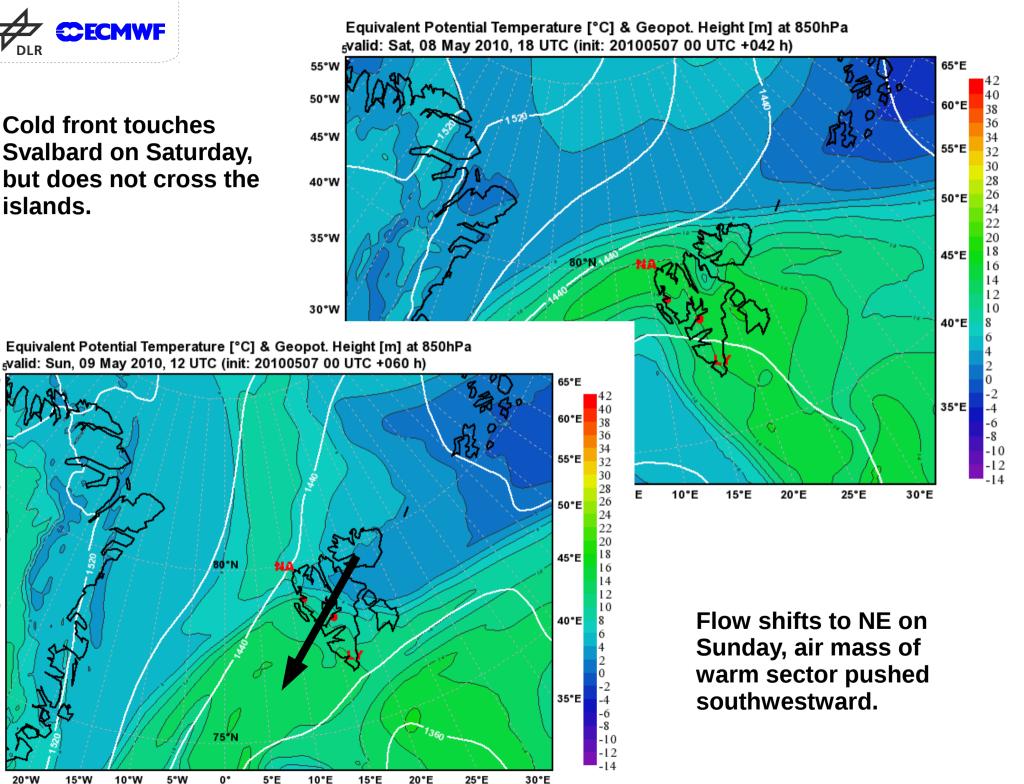
35°W

30°W

15°W

10°W

Cold front touches Svalbard on Saturday, but does not cross the islands.





45°W

40°W

35°W

30°W

25°W

15°W

10°W

5°W

Calm winds at the surface and at 850hPa.

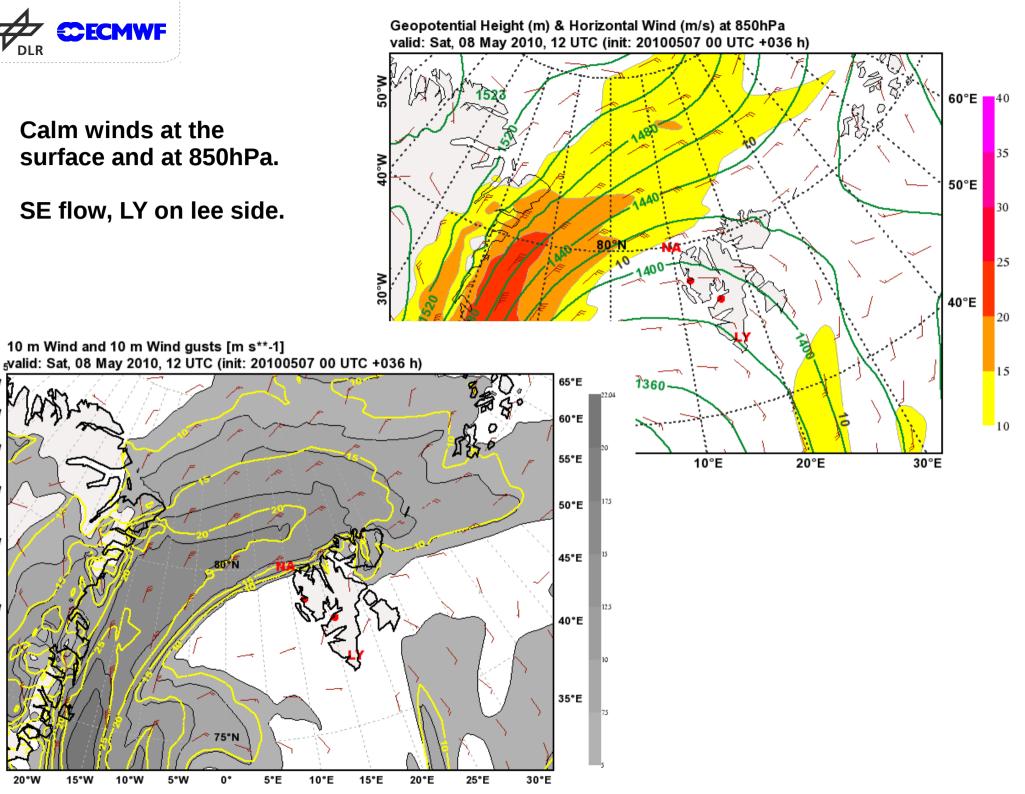
SE flow, LY on lee side.

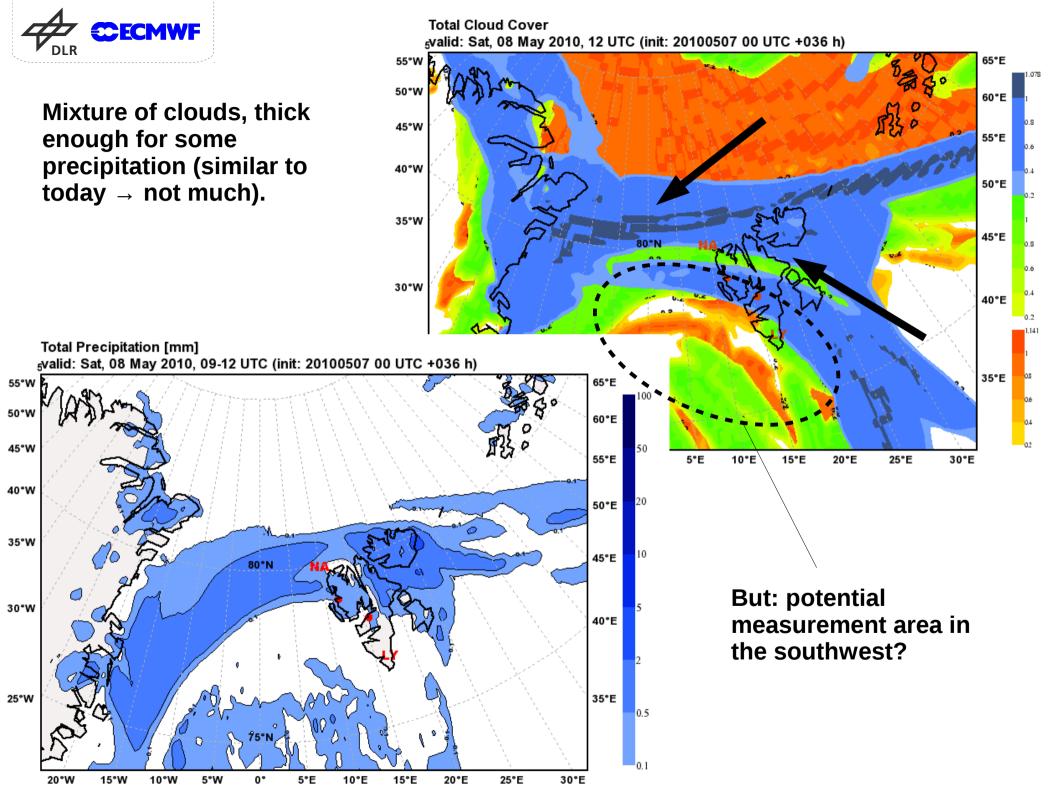
10 m Wind and 10 m Wind gusts [m s**-1]

.807N

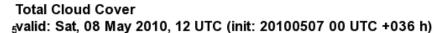
0°

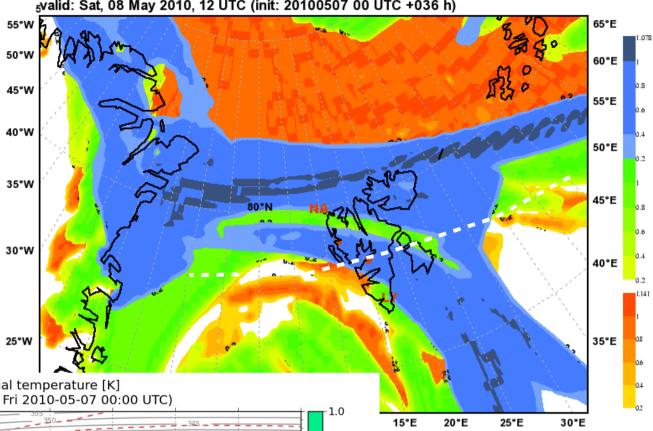
5°E

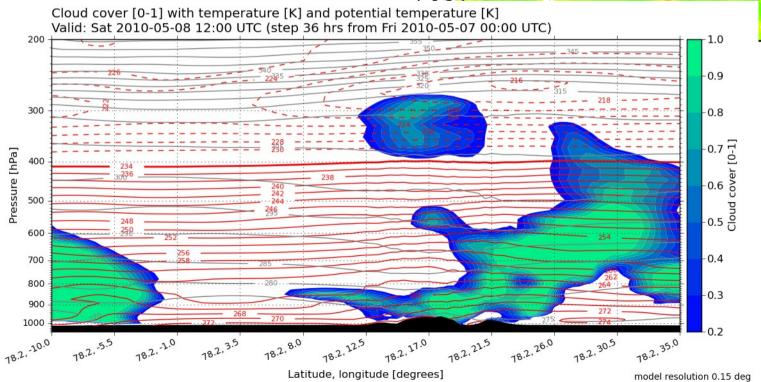












75°W

70°W

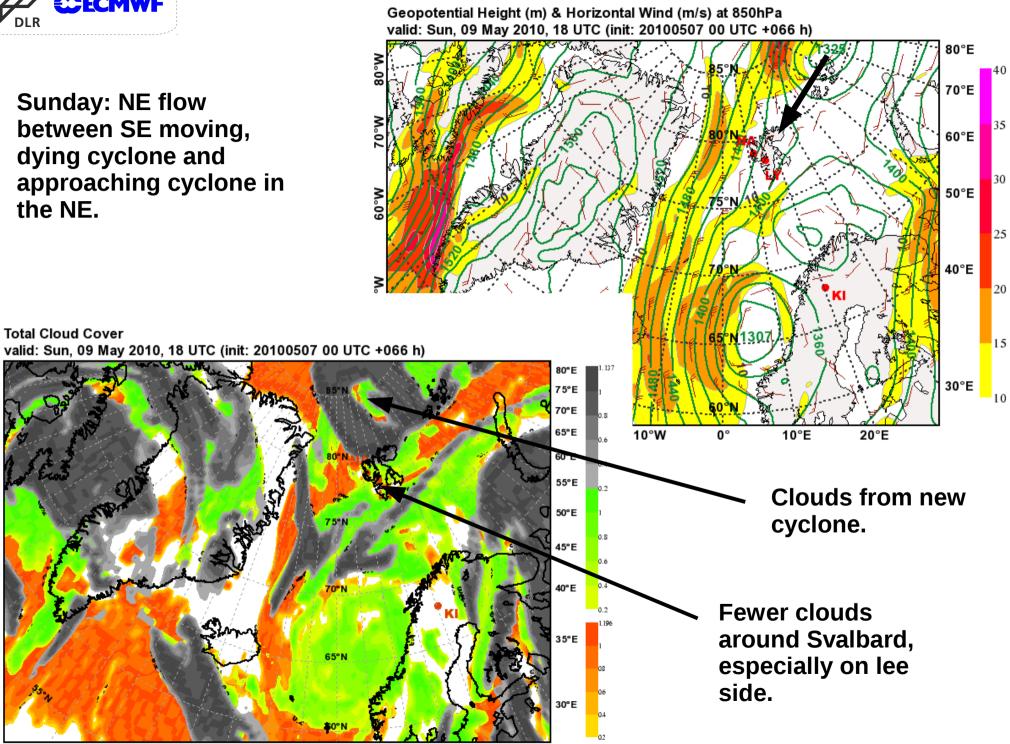
65°W

60°W

55°W

50°W

45°W





40°W

35°W

30°W

15°W

10°W

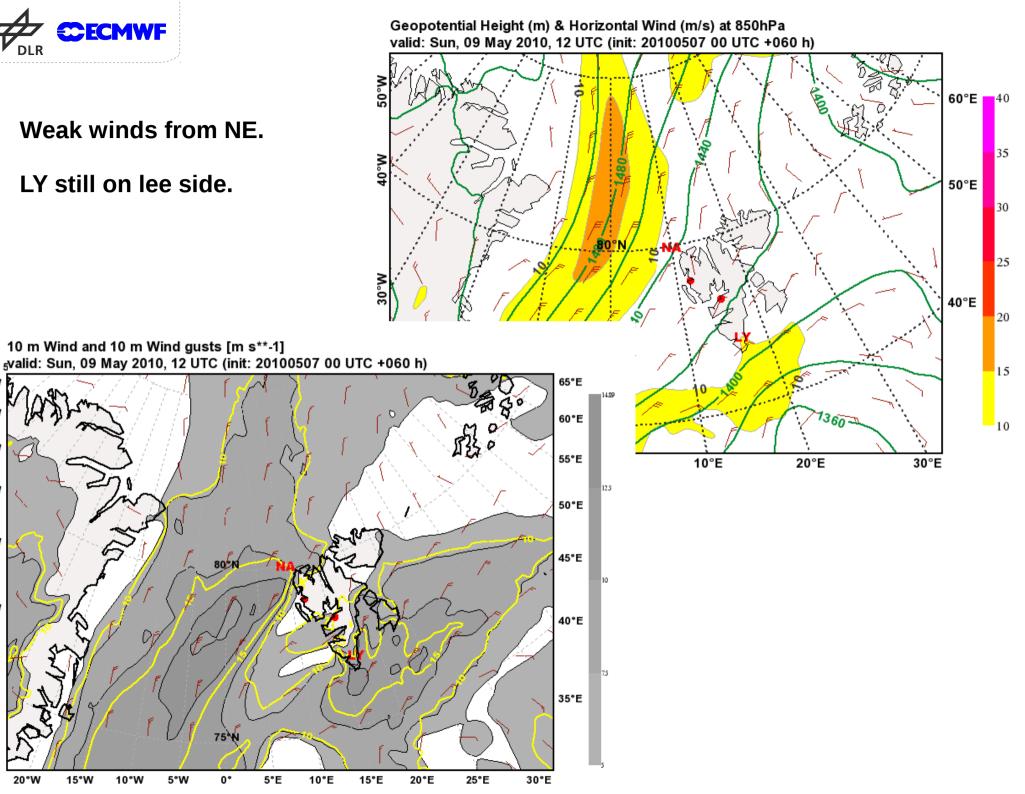
5°W

5°E

Weak winds from NE.

10 m Wind and 10 m Wind gusts [m s**-1]

LY still on lee side.





50°W

45°W

40°W

35°W

30°W

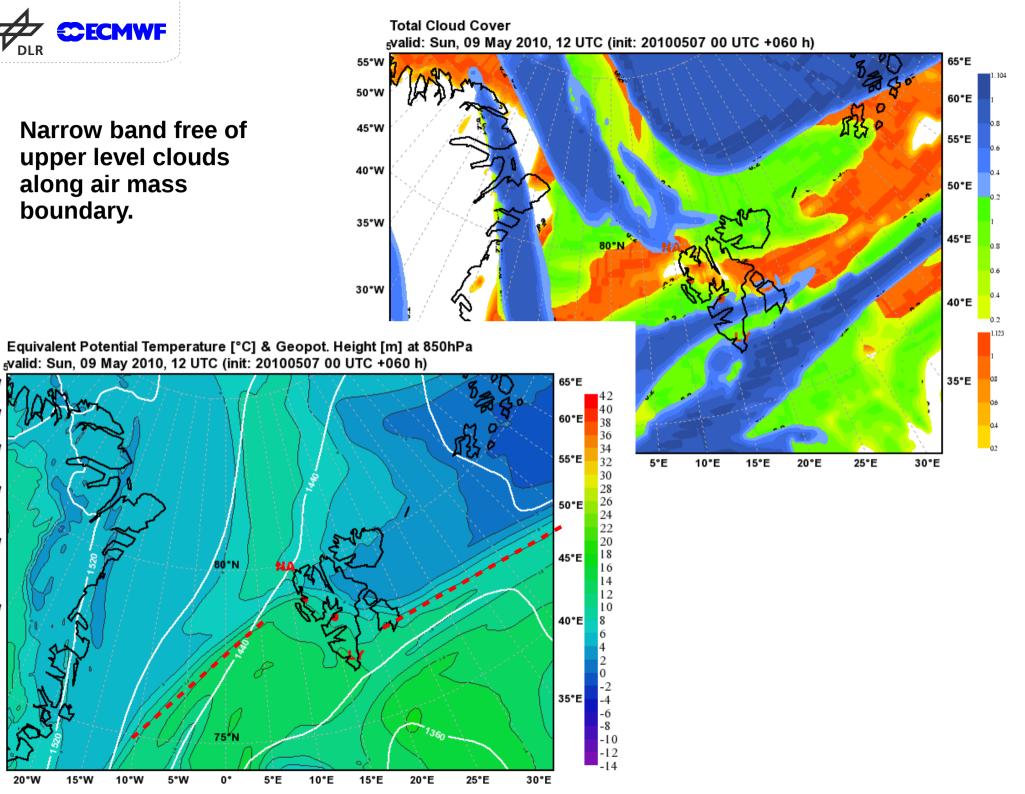
15°W

10°W

5°W

5°E

Narrow band free of upper level clouds along air mass boundary.





45°W

40°W

35°W

30°W

25°W

15°W

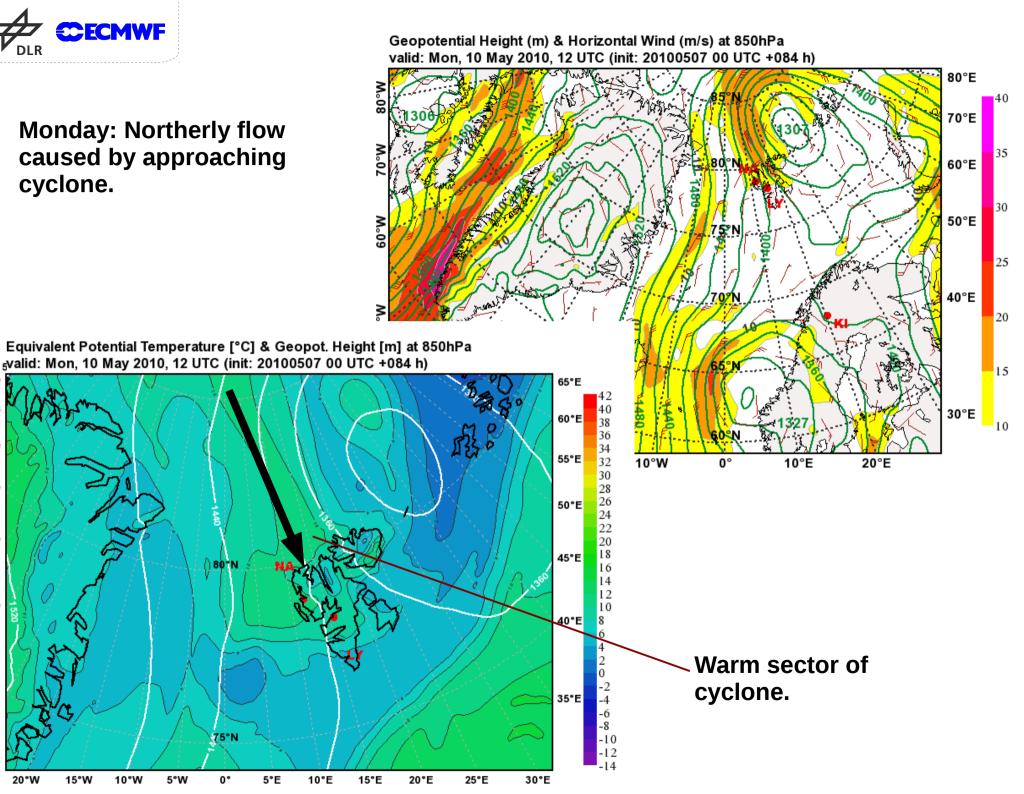
10°W

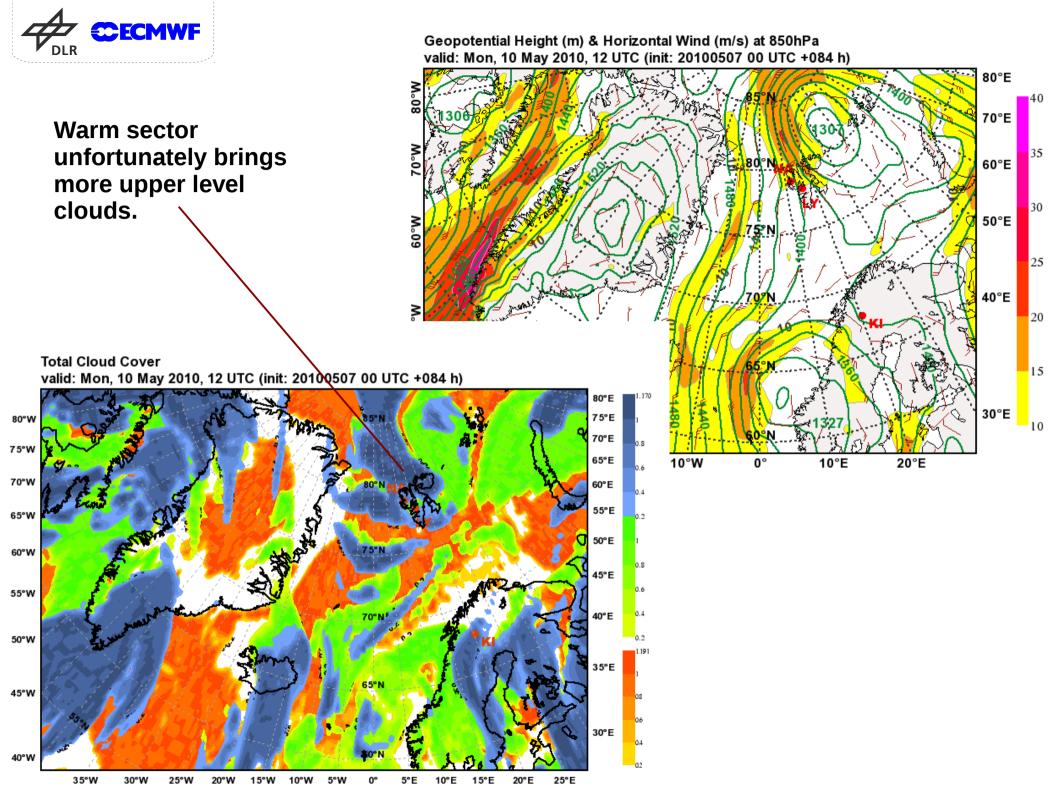
5°W

o°

5°E

Monday: Northerly flow caused by approaching cyclone.







Total Cloud Cover

30°W

80°W

75°W

70°W

65°W

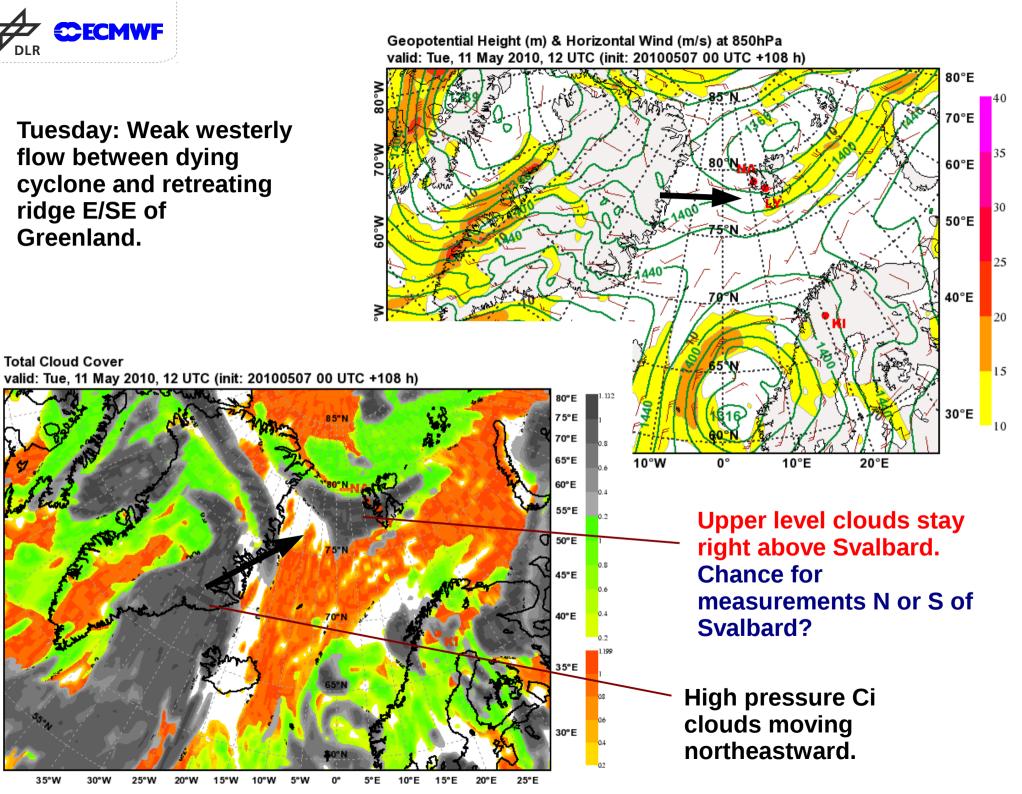
60°W

55°W

50°W

45°W

Tuesday: Weak westerly flow between dying cyclone and retreating ridge E/SE of Greenland.

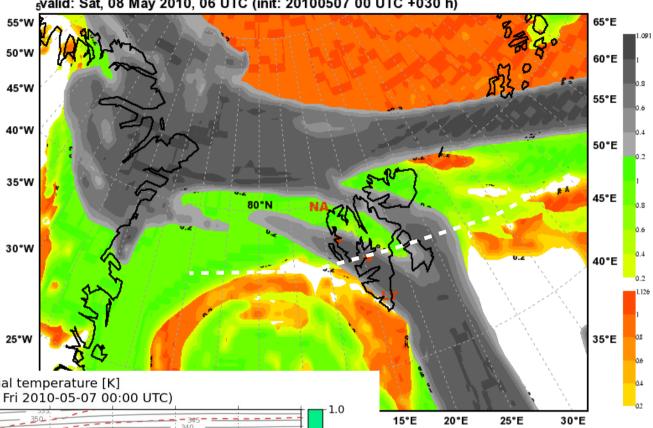


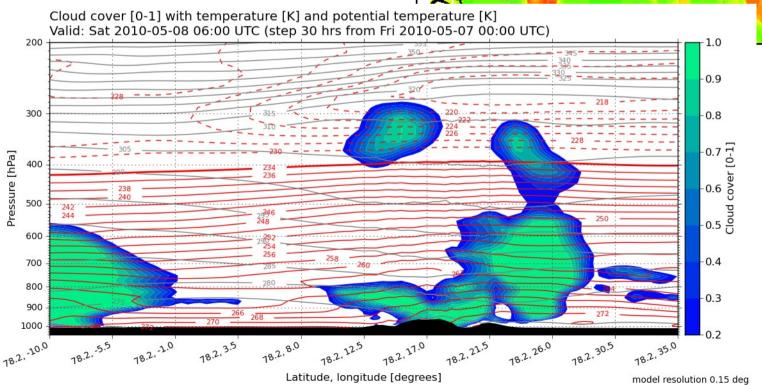


Vertical sections for Saturday



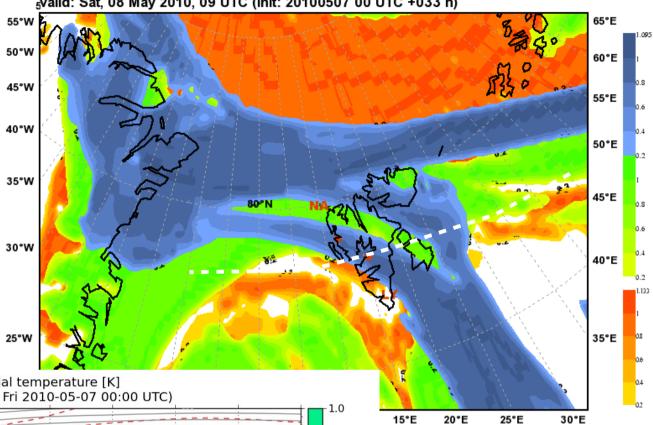


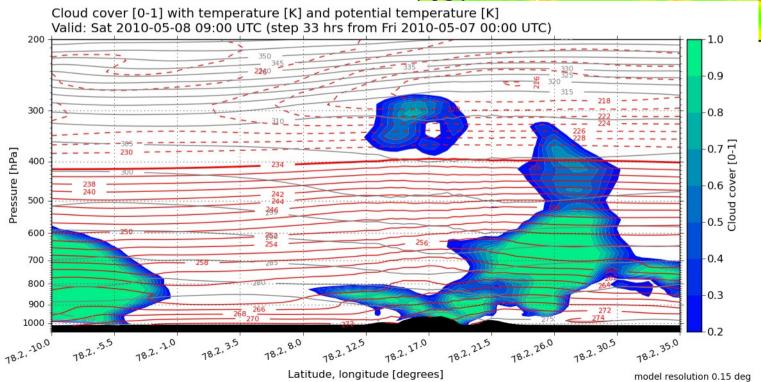




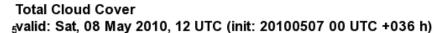


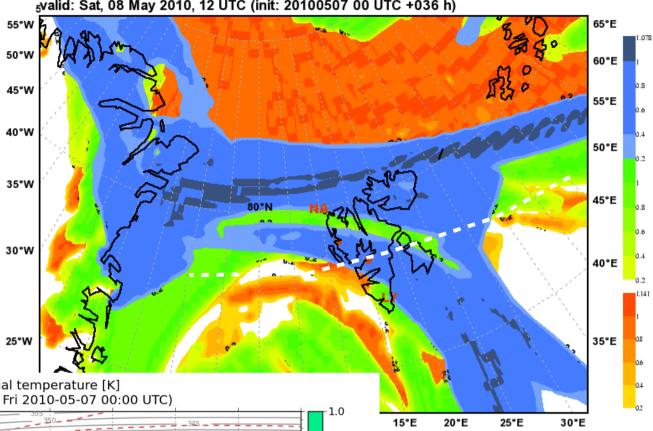


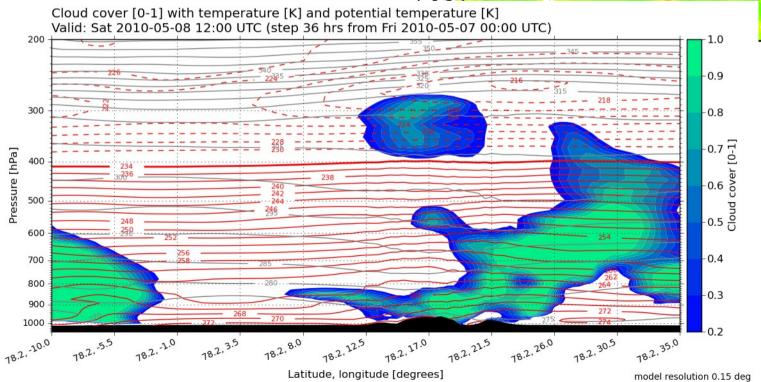




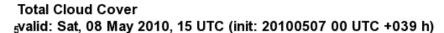


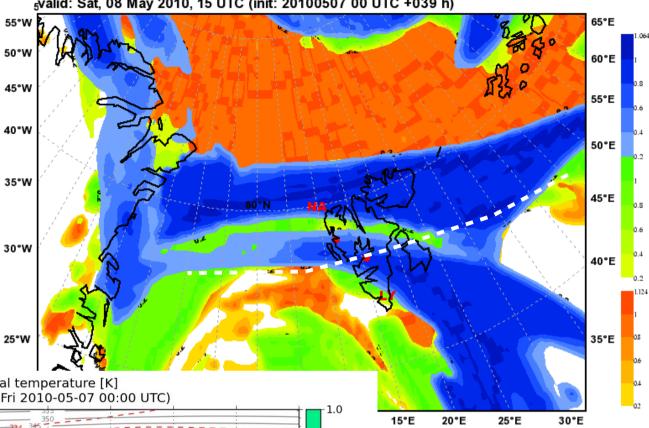


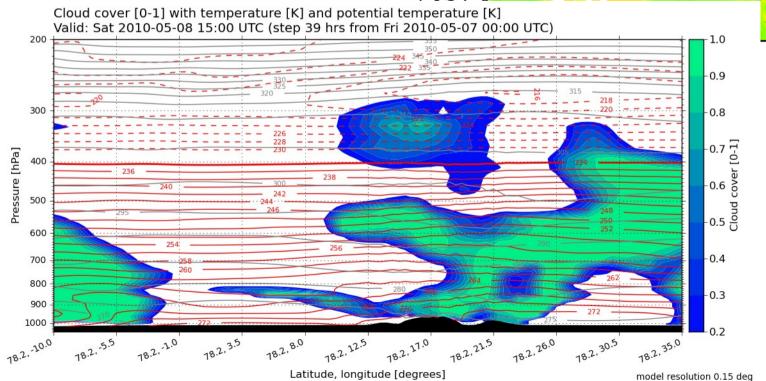






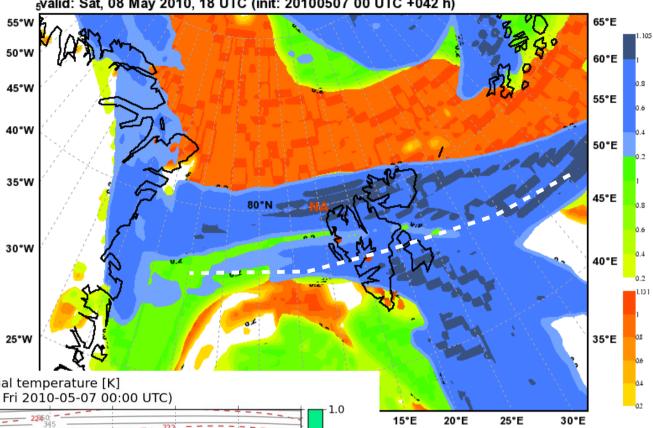


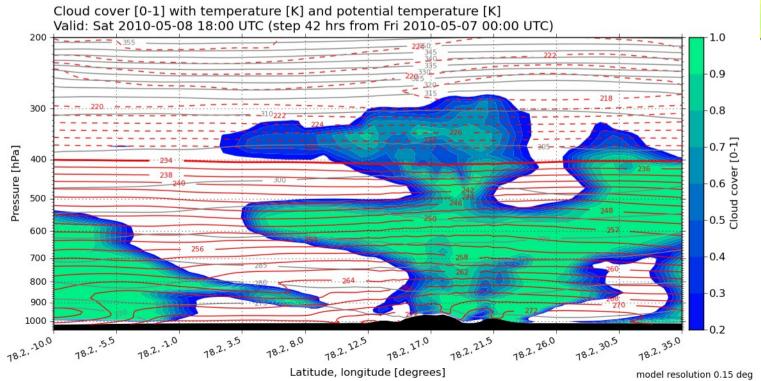






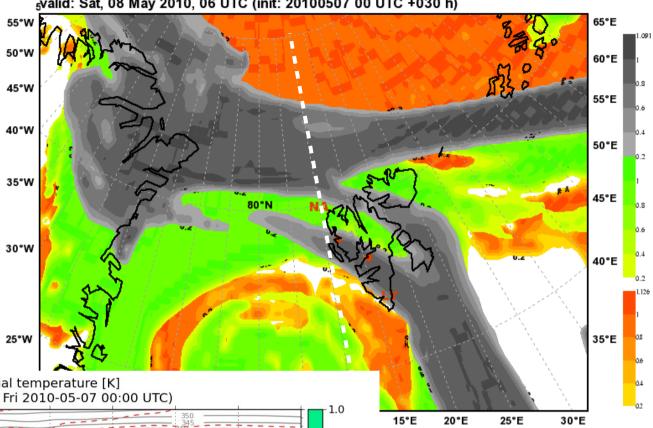


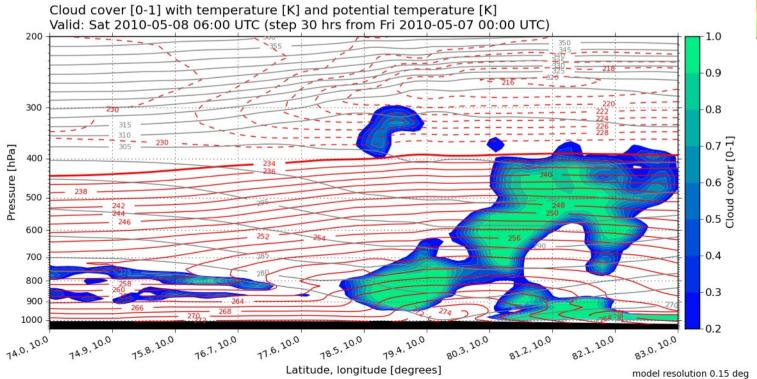




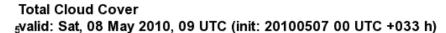


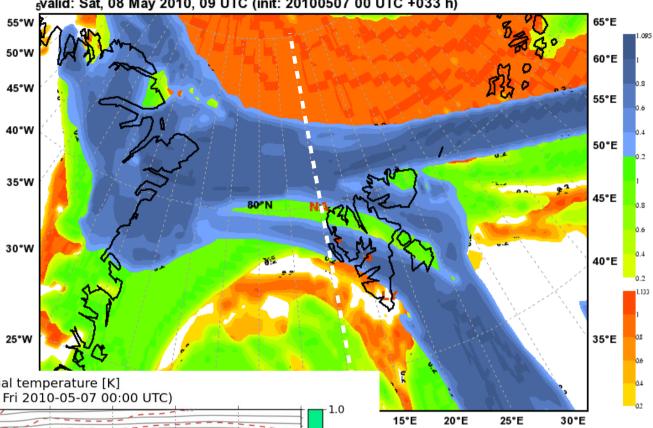


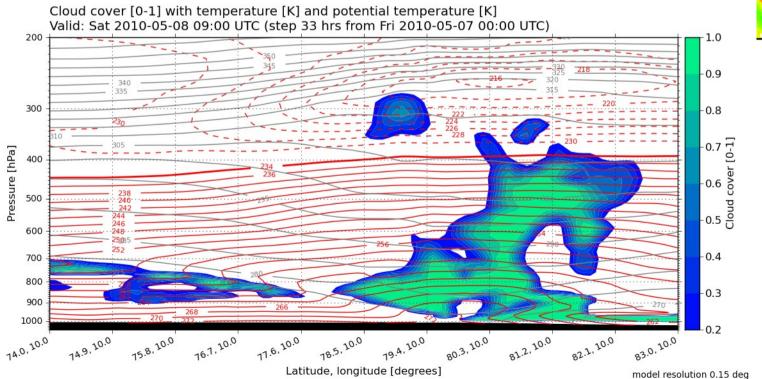




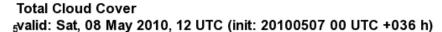


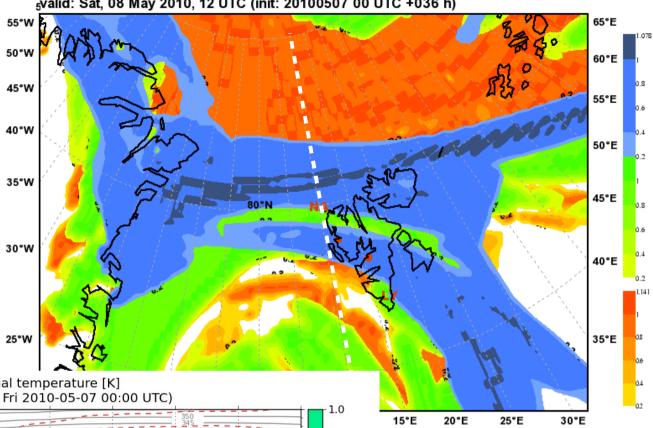


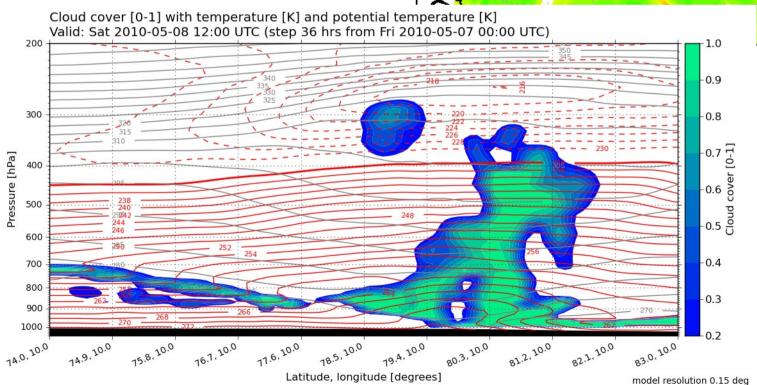




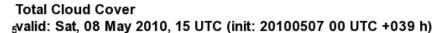


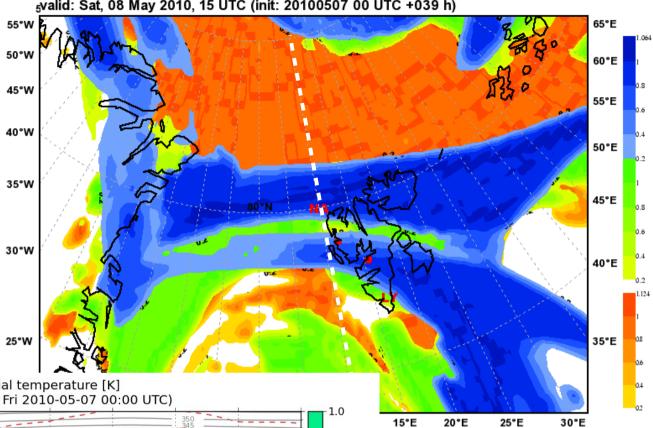


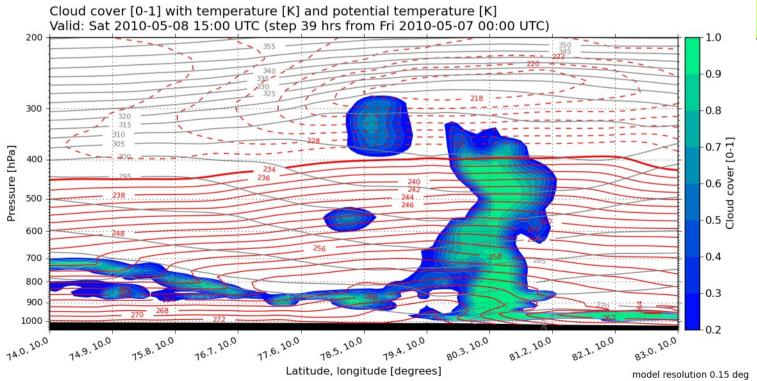






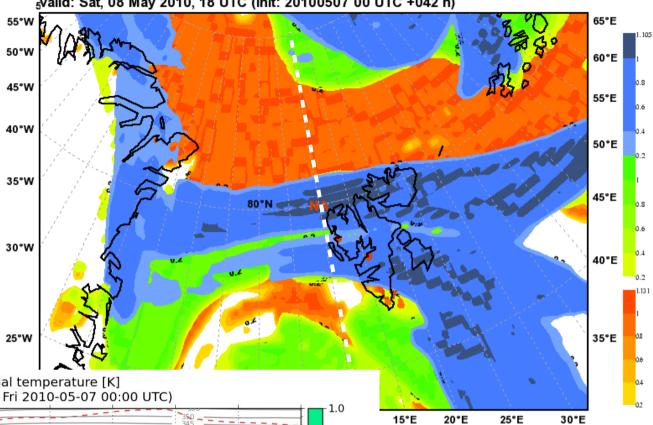


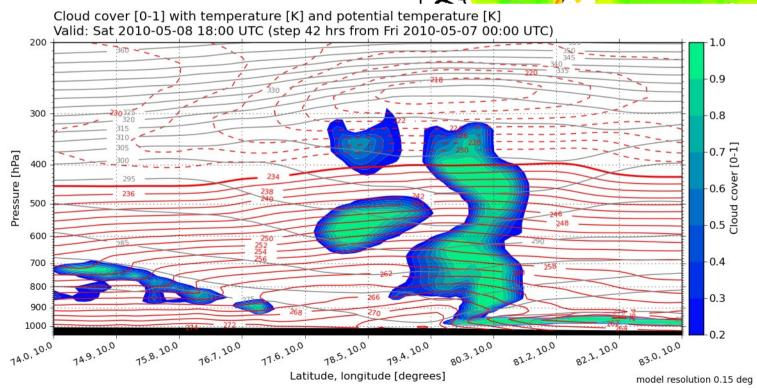










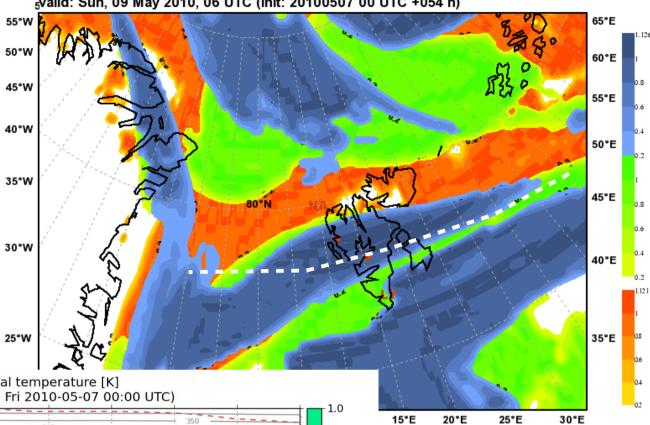


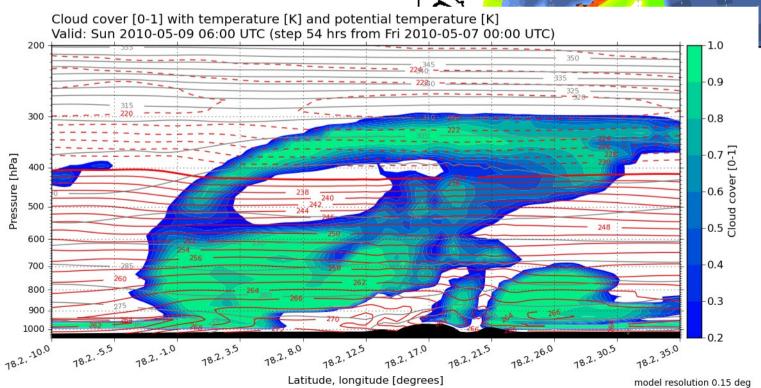


Vertical sections for Sunday



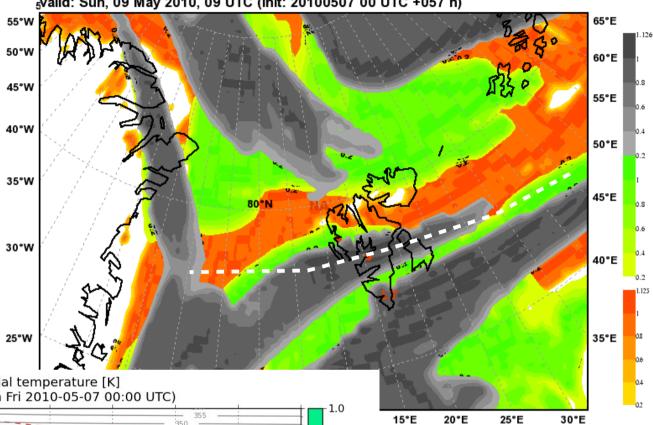


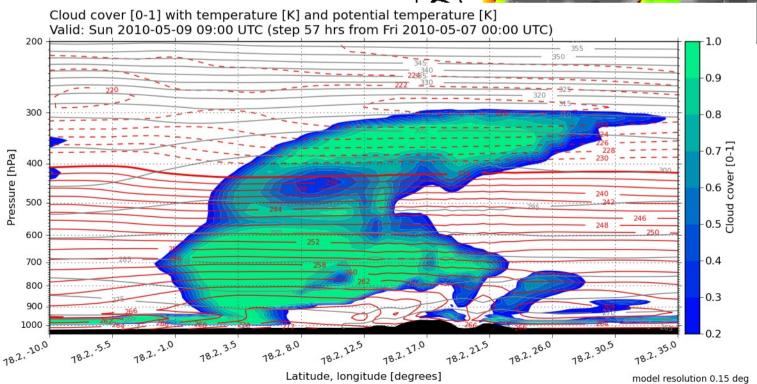






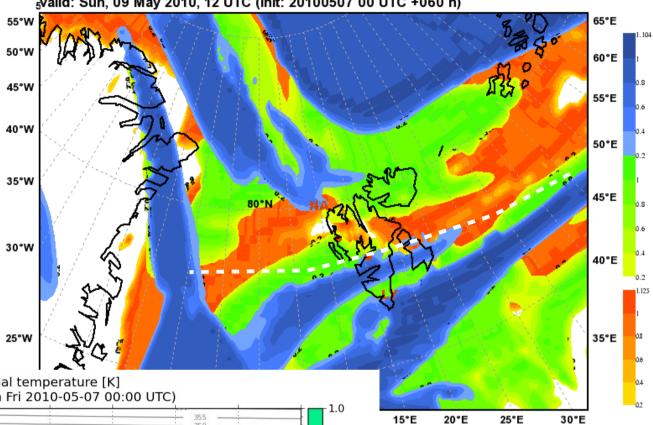


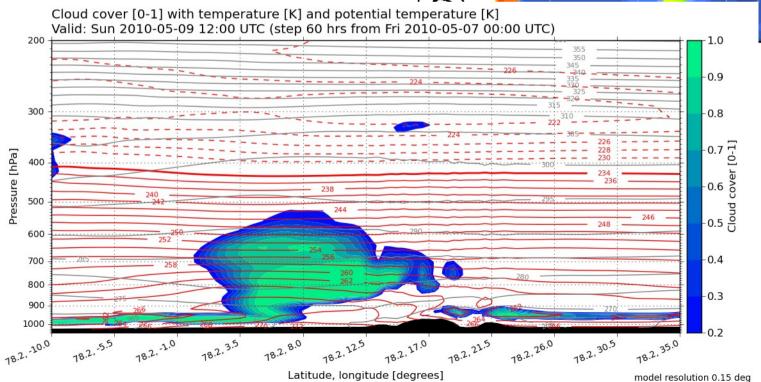






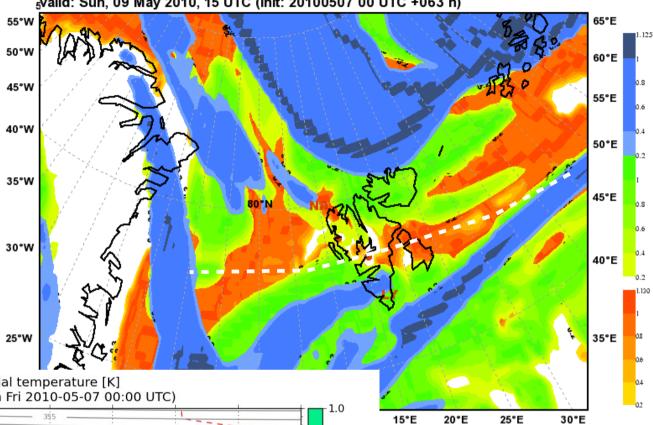


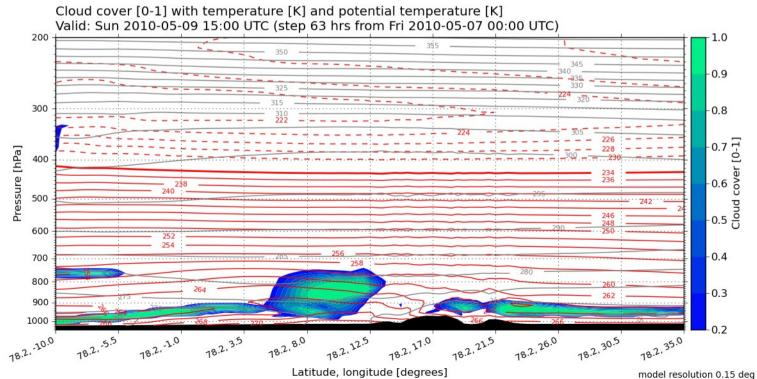






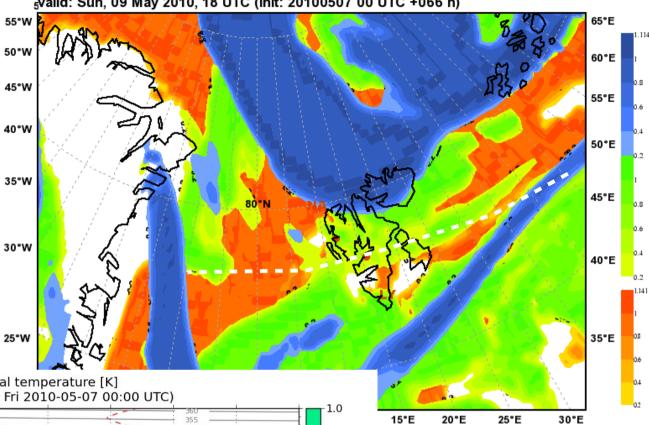






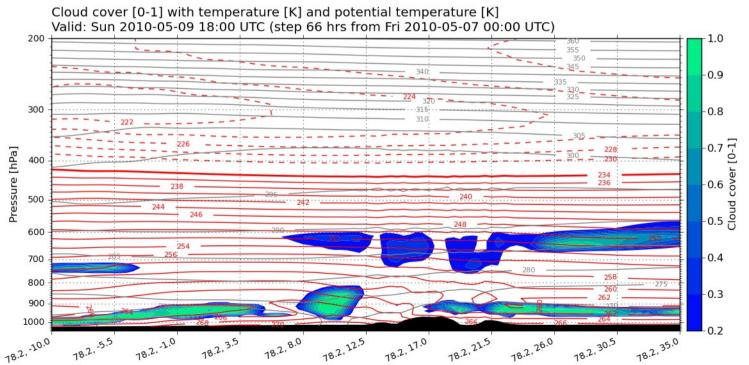






model resolution 0.15 deg

E-W along 78N



Latitude, longitude [degrees]





