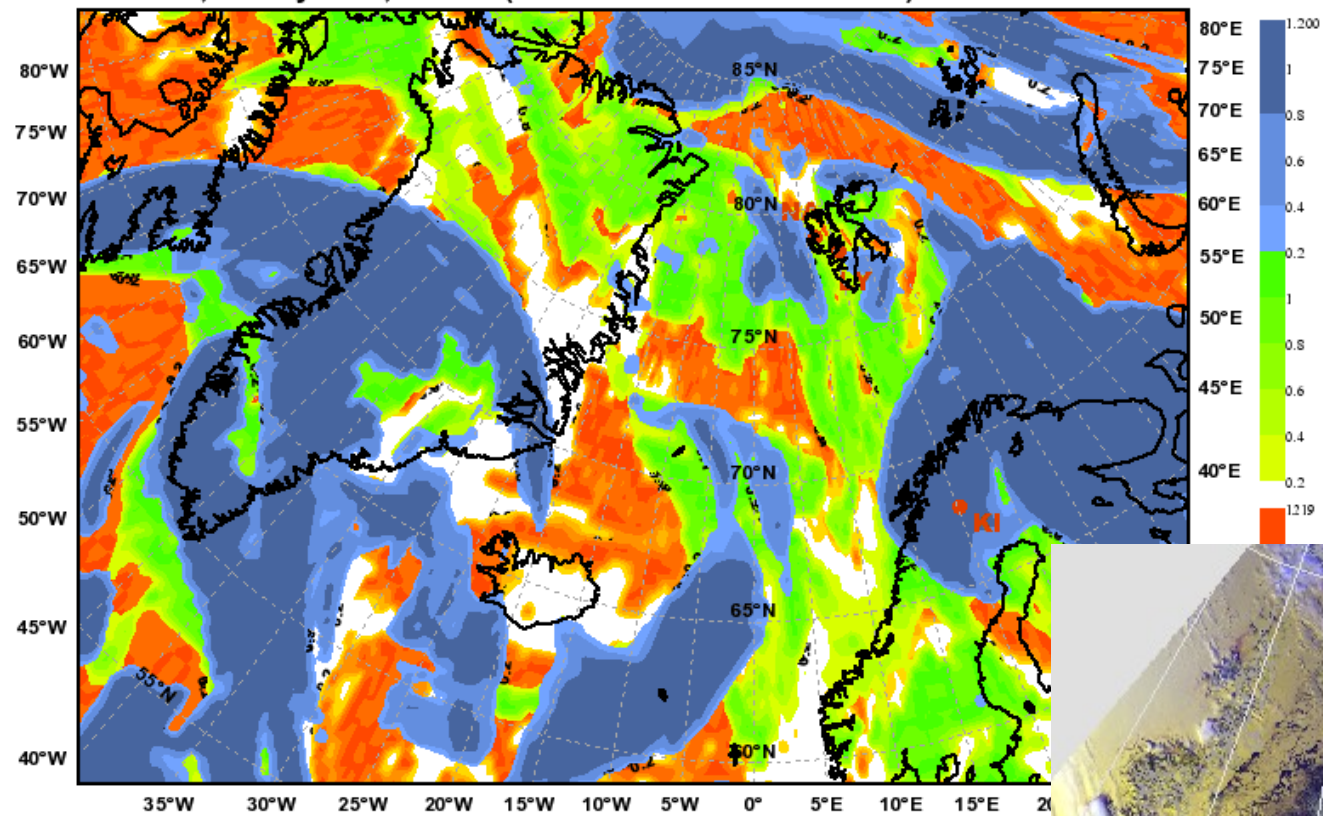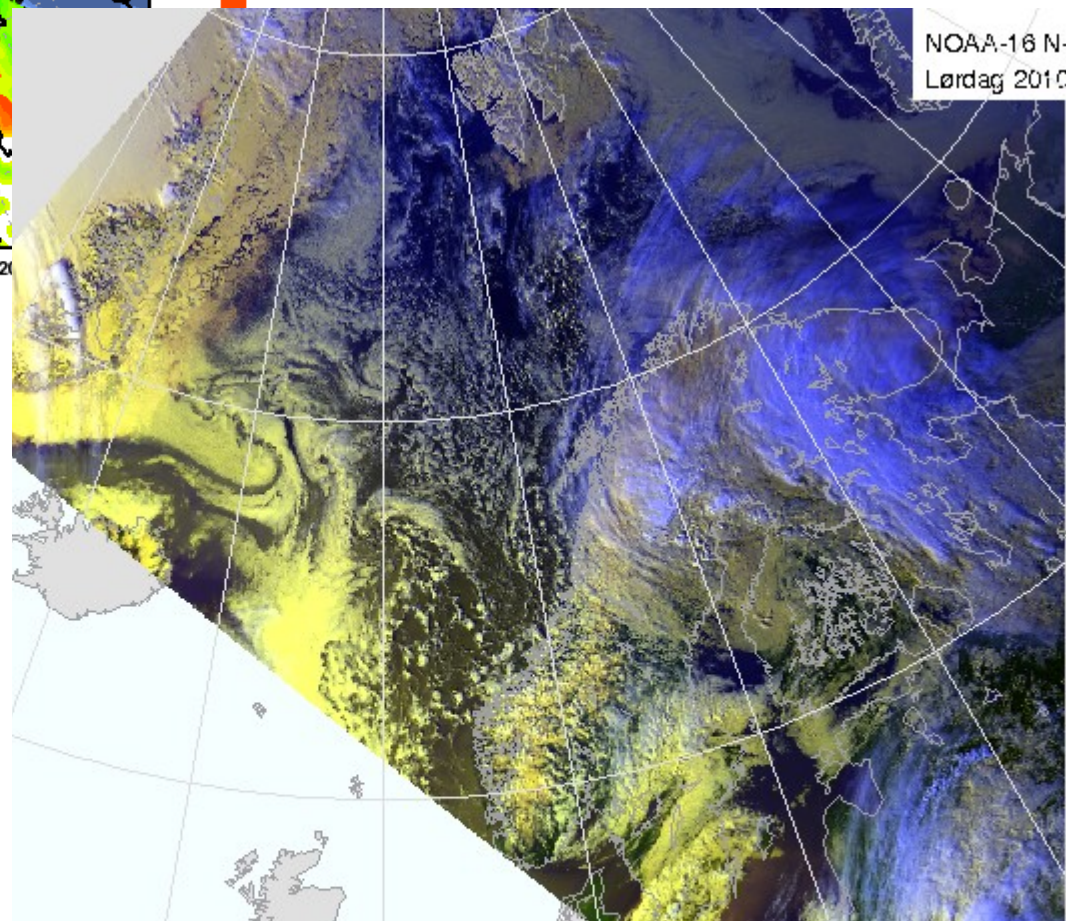Total Cloud Cover
valid: Sat, 01 May 2010, 15 UTC (init: 20100501 00 UTC +015 h)
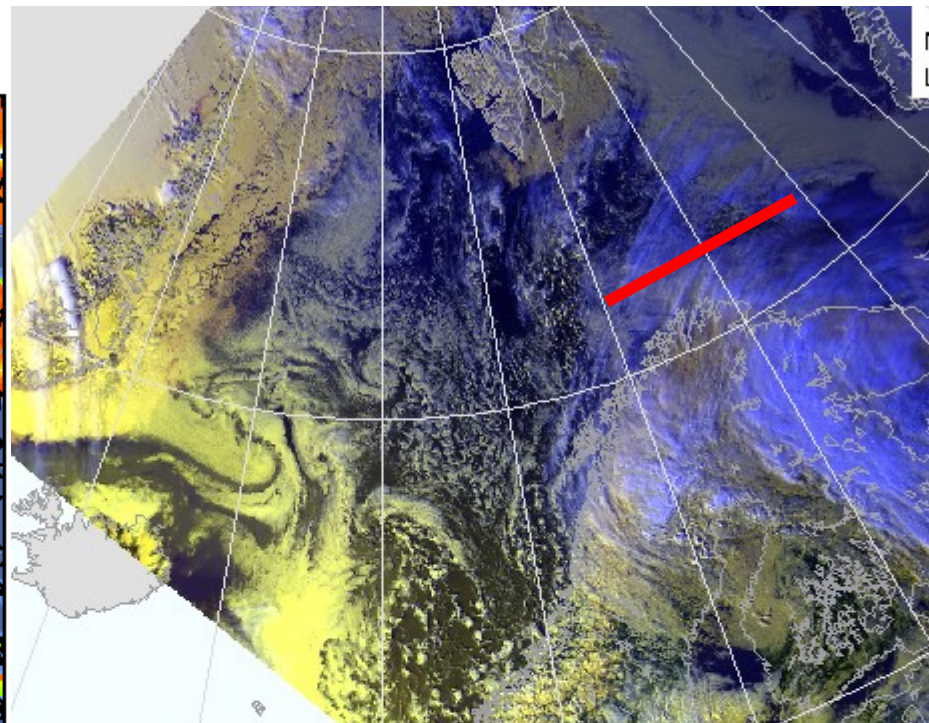
Satellite 15 UTC = 17 LT

Total Cloud Cover
valid: Sat, 01 May 2010, 15 UTC (init: 20100501 00 UTC +015 h)

Satellite 15 UTC = 17 LT

Cloud cover [0-1] with temperature [K] and potential temperature [K]
Valid: Sat 2010-05-01 15:00 UTC (step 15 hrs from Sat 2010-05-01 00:00 UTC)

Pressure [hPa]

Cloud cover [0-1]

Latitude, longitude [degrees]

model resolution 0.15 deg

Satellite 15 UTC = 17 LT

Total Cloud Cover
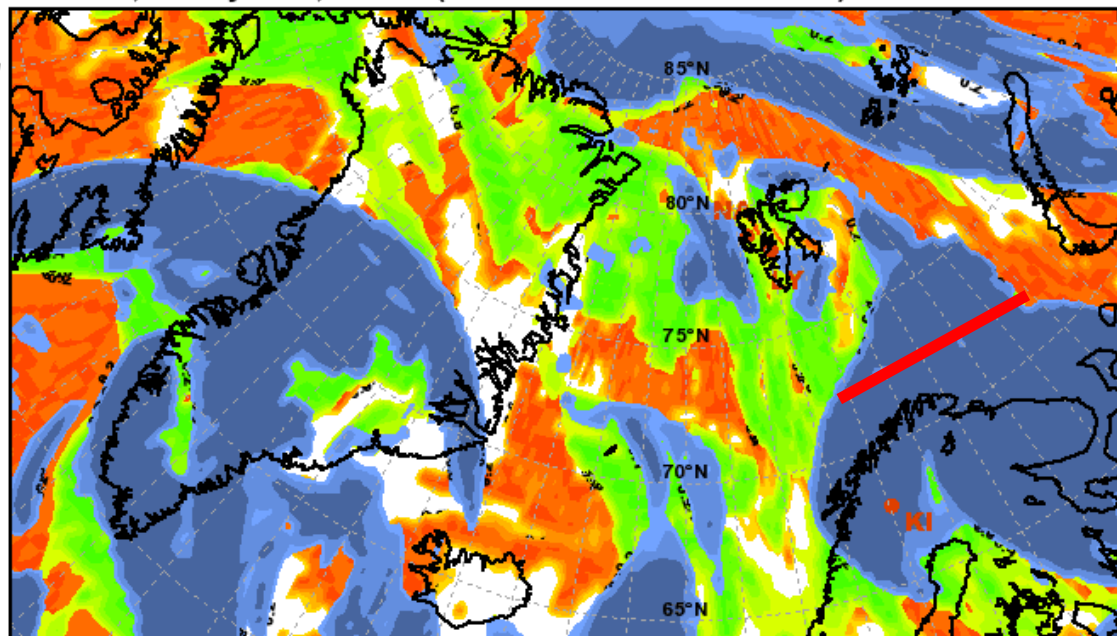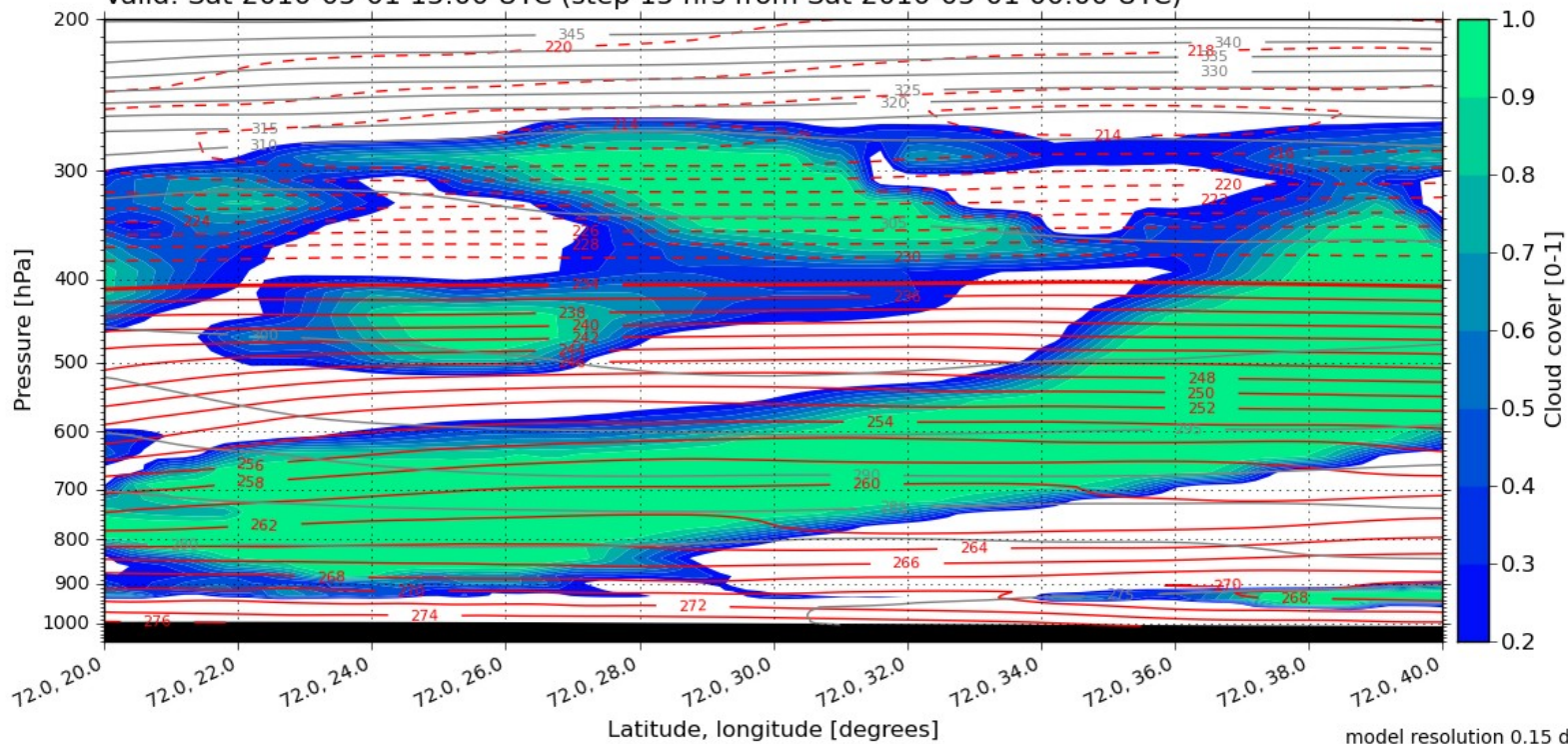valid: Sat, 01 May 2010, 15 UTC (init: 20100501 00 UTC +015 h)

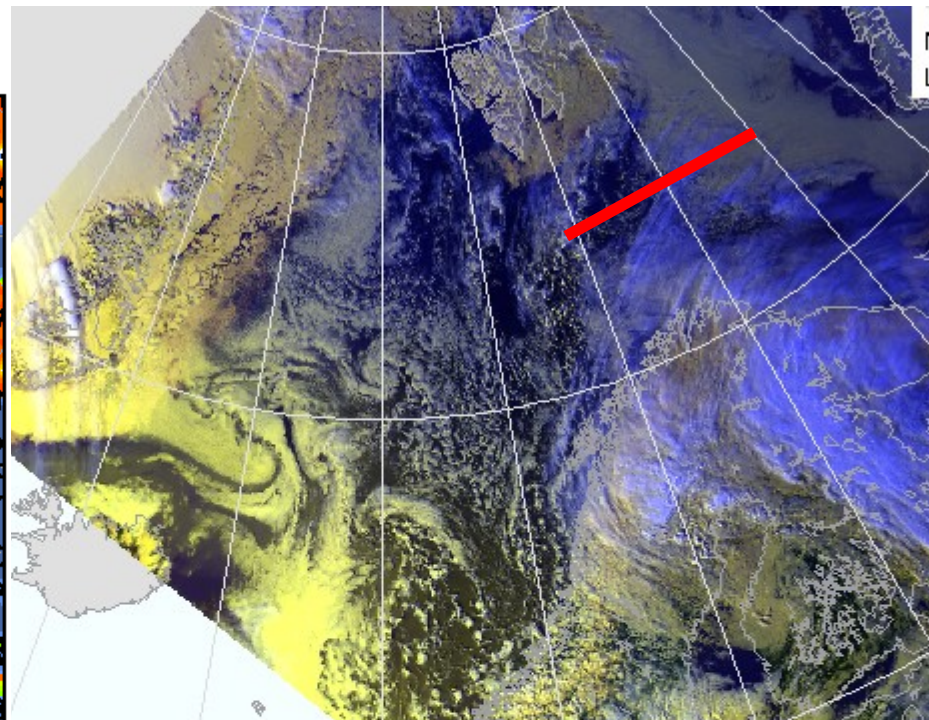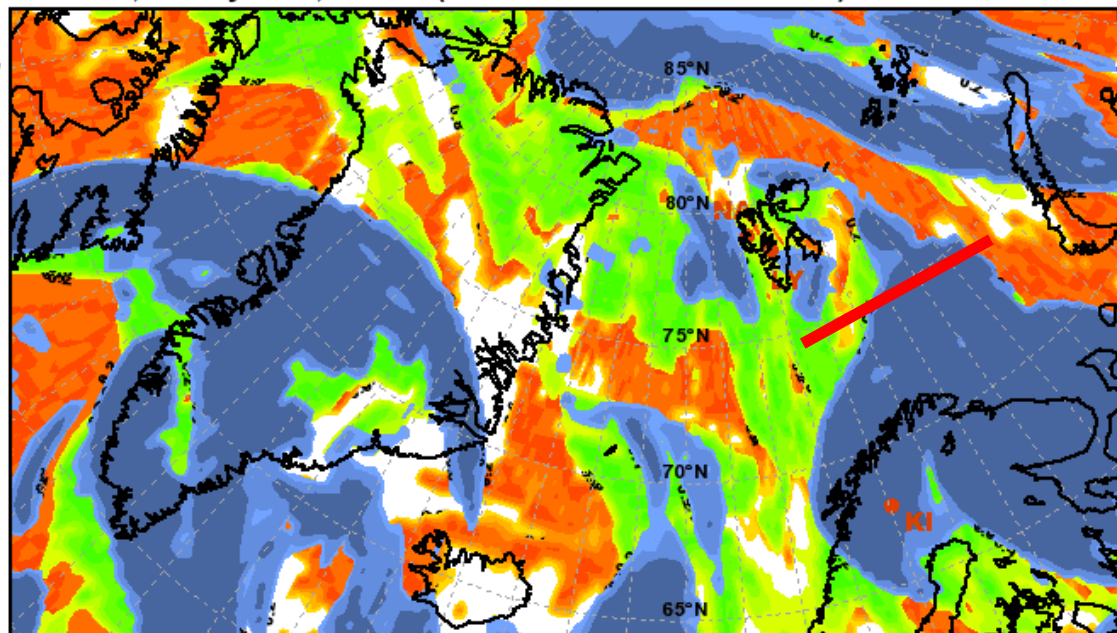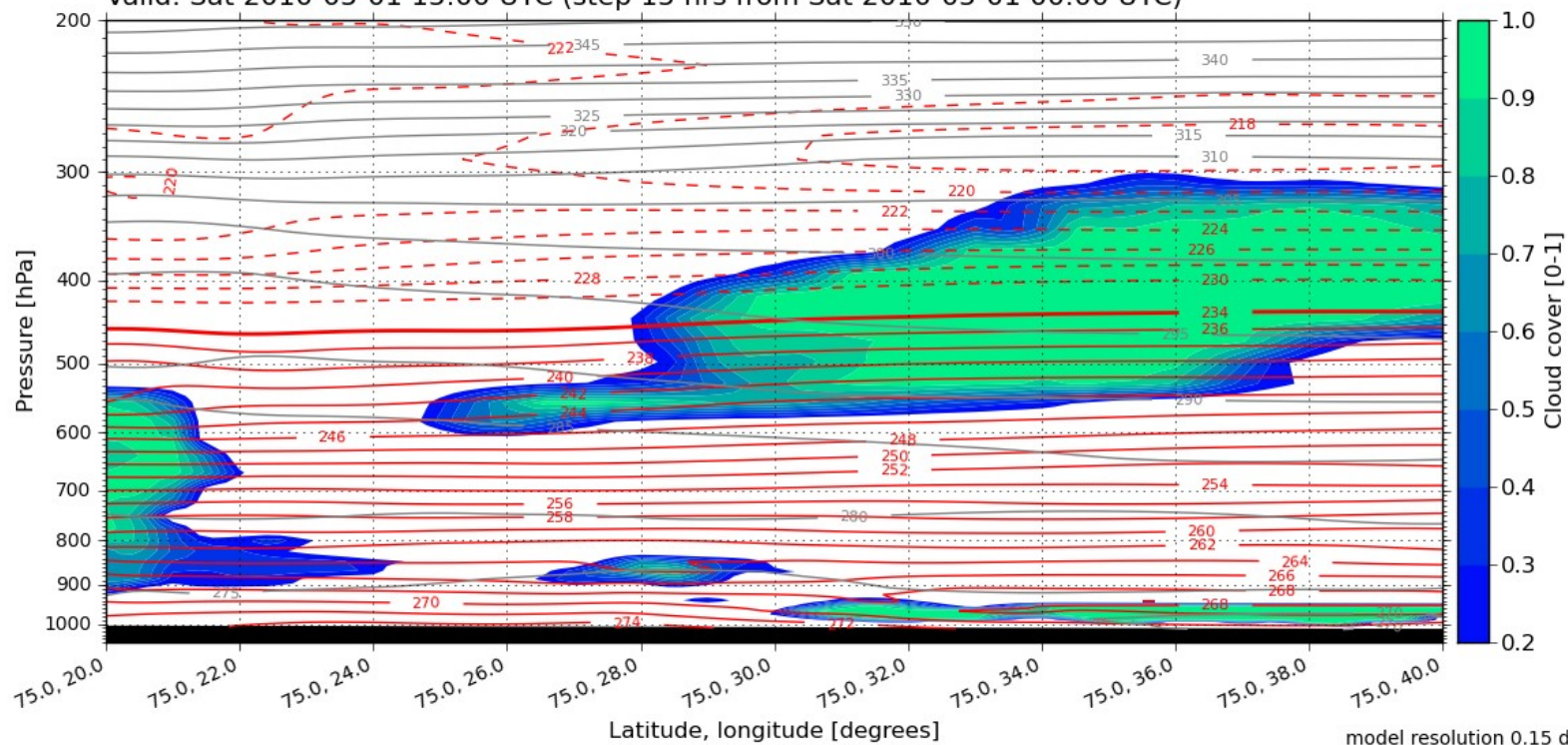Cloud cover [0-1] with temperature [K] and potential temperature [K]
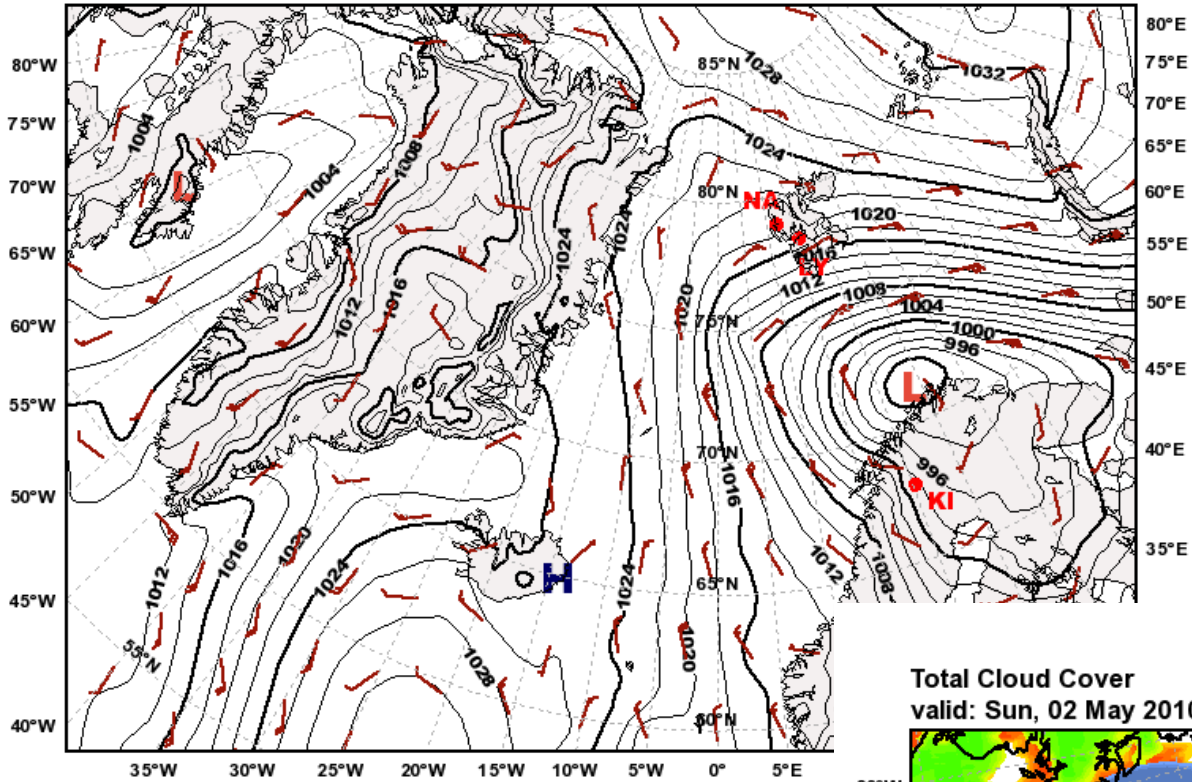Valid: Sat 2010-05-01 15:00 UTC (step 15 hrs from Sat 2010-05-01 00:00 UTC)

model resolution 0.15 deg

Forecast :: Sun May 2, 2010 to Thu May 6, 2010

Mean Sea Level Pressure
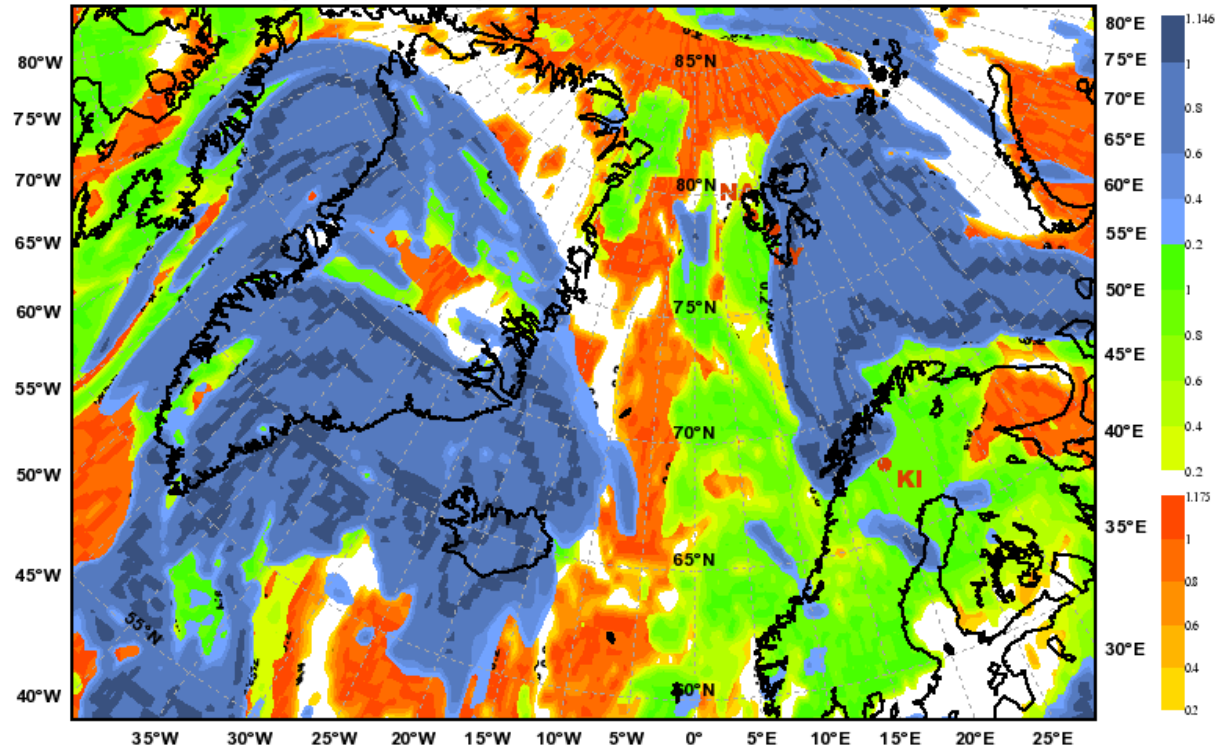valid: Sun, 02 May 2010, 12 UTC (init: 20100501 00 UTC +036 h)
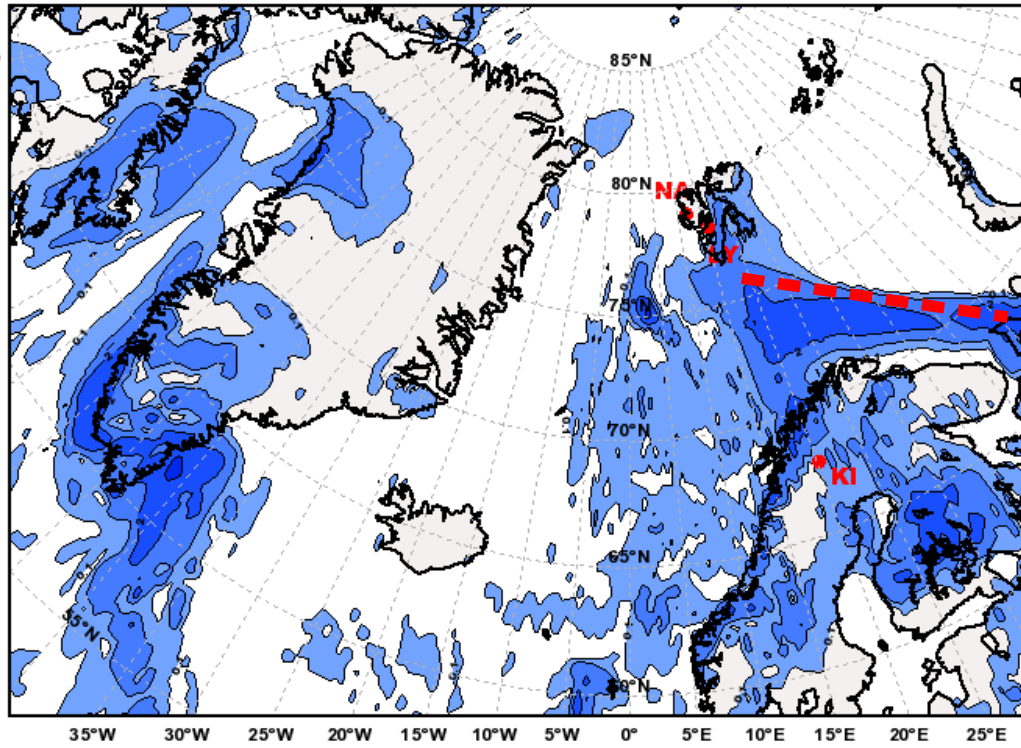
Sunday:
Frontal cloud/precip band hits LY around noon.

Total Cloud Cover
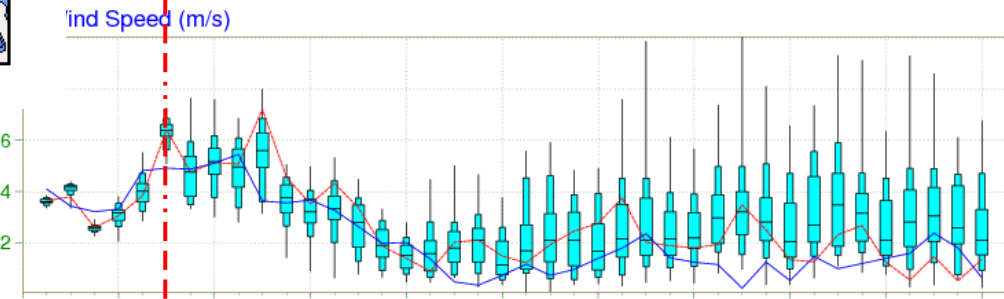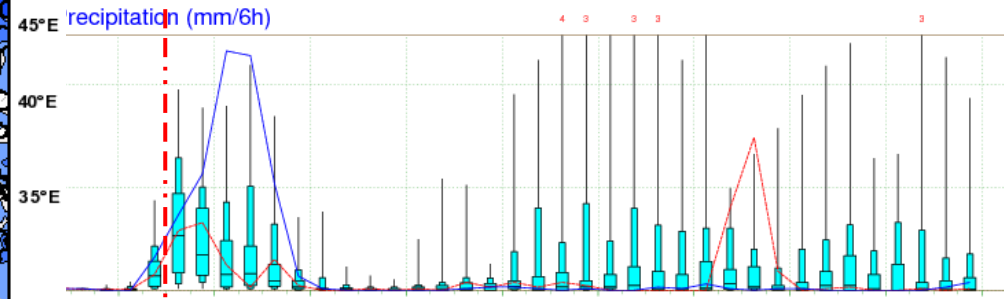valid: Sun, 02 May 2010, 12 UTC (init: 20100501 00 UTC +036 h)

Total Precipitation [mm]
valid: Sun, 02 May 2010, 09-12 UTC (init: 20100501 00 UTC +036 h)
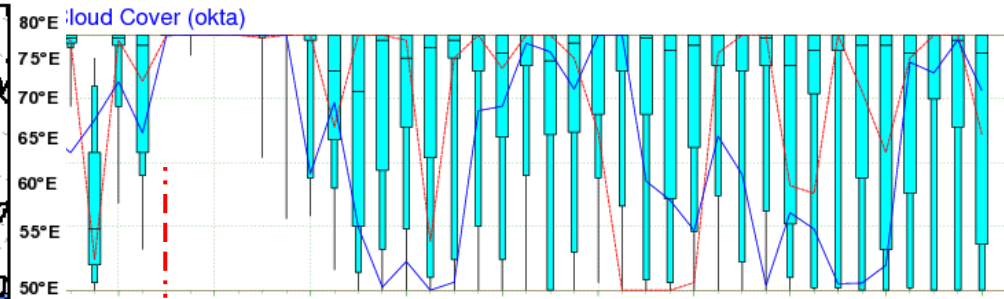

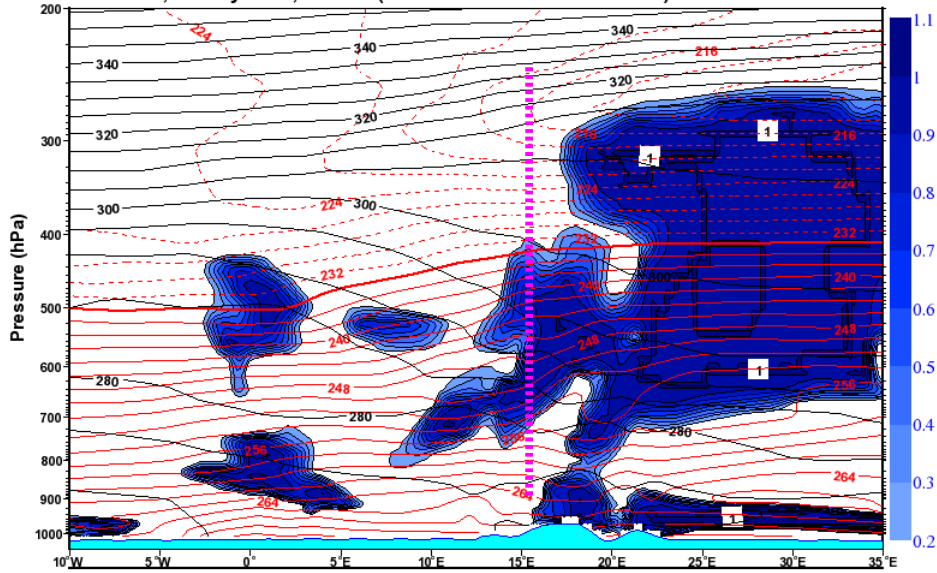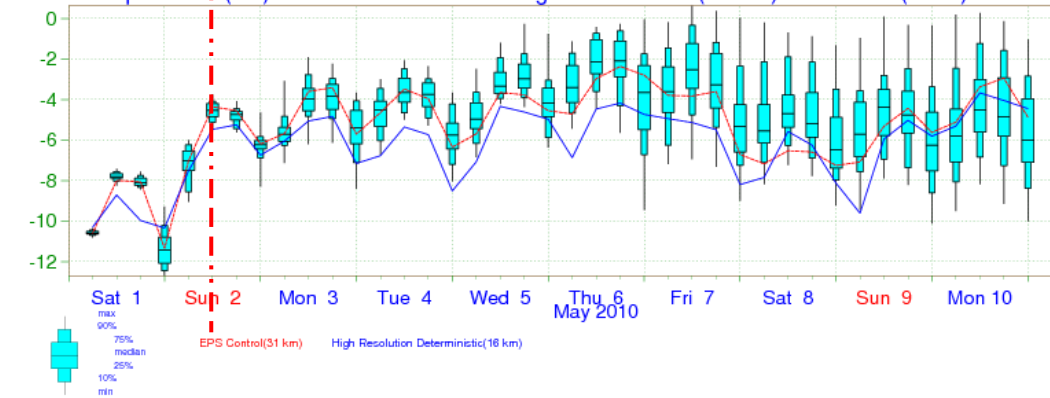### Vertical Section: Cloud Cover (with T [K] and TH [K])
valid: Sun, 02 May 2010, 12 UTC (init: 20100501 00 UTC +036 h)

...teogram
...arbyen 78.27 °N 16.25 °E (EPS land point) 274 m (T1279)
...nistic Forecast and EPS Distribution Saturday 1 May 2010 00 UTC

...loud Cover (okta)

...recipitation (mm/6h)

...ind Speed (m/s)

2m Temperature (°C) reduced to the station height from 274 m (T1279) and 272 m (T639)

Sat 1   Sun 2   Mon 3   Tue 4   Wed 5   Thu 6   Fri 7   Sat 8   Sun 9   Mon 10
May 2010

EPS Control(31 km)   High Resolution Deterministic(16 km)

Total Cloud Cover

valid: Sun, 02 May 2010, 06 UTC (init: 20100501 00 UTC +030 h)

20100501 00 UTC +033 h)
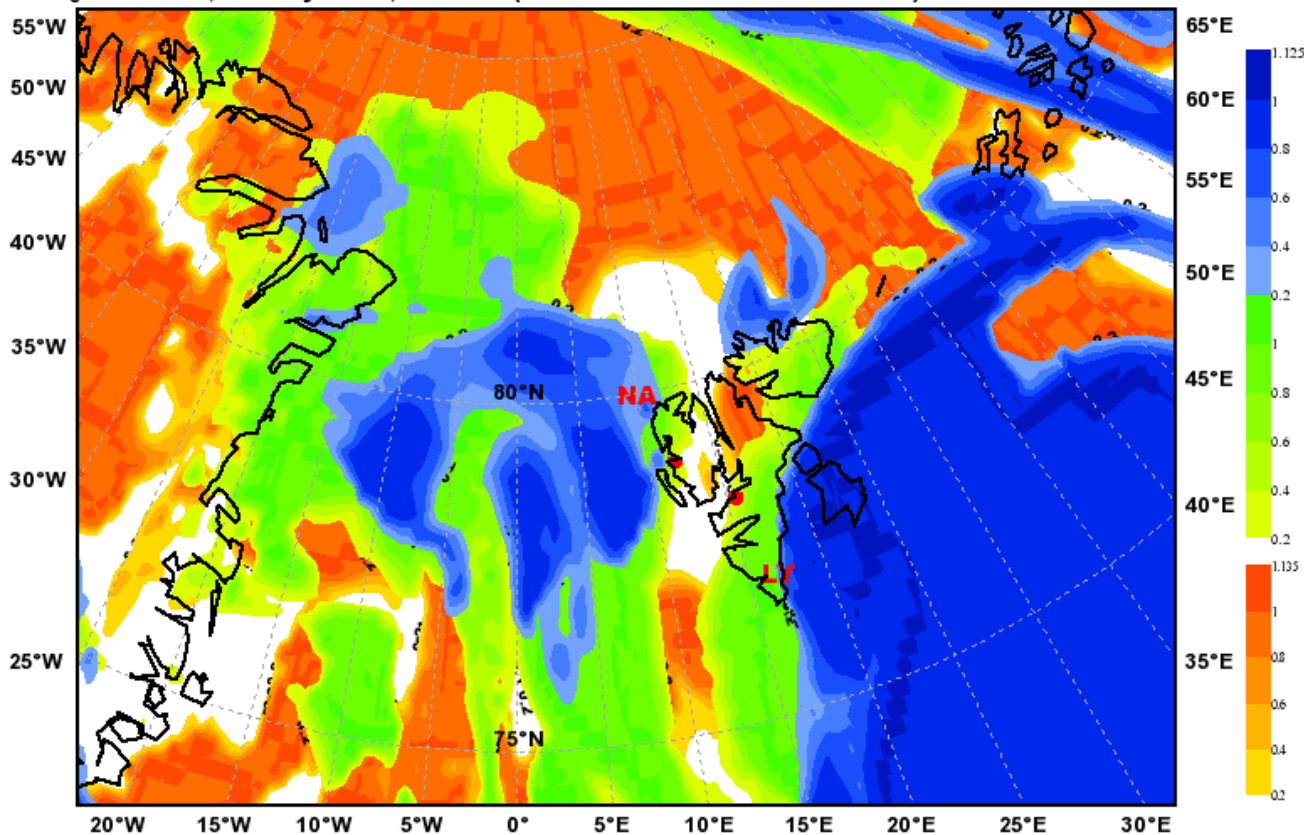
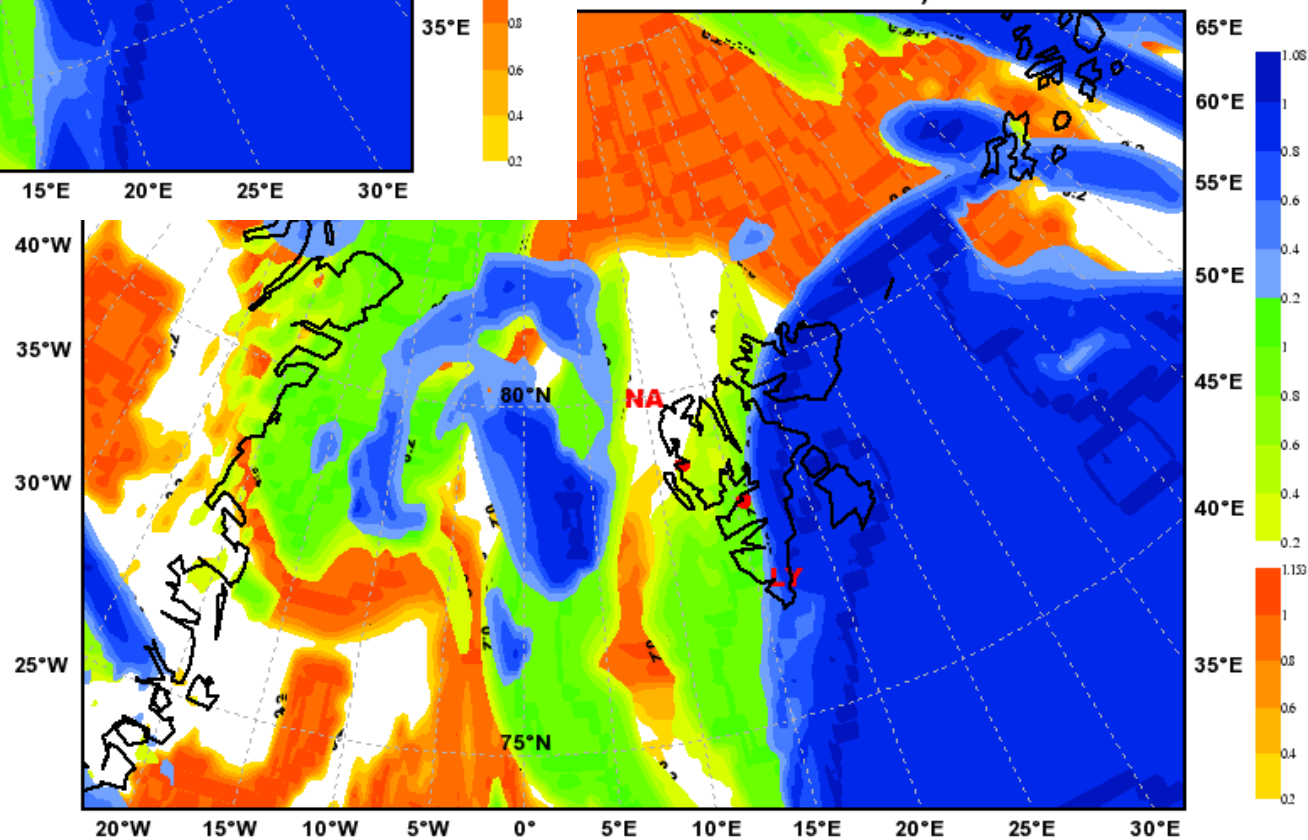Possible flight on Sunday morning?
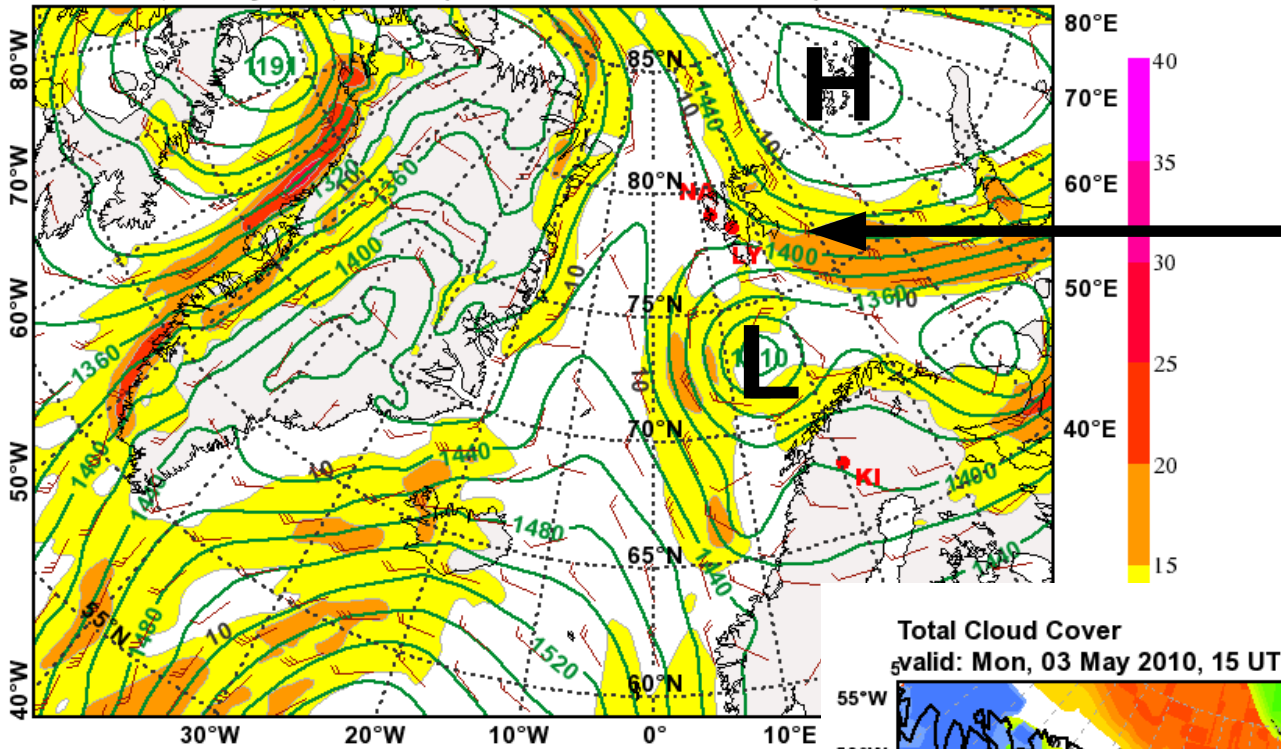
Need to return before cloud band reaches Svalbard.

06/09 UTC

Geopotential Height (m) & Horizontal Wind (m/s) at 850hPa
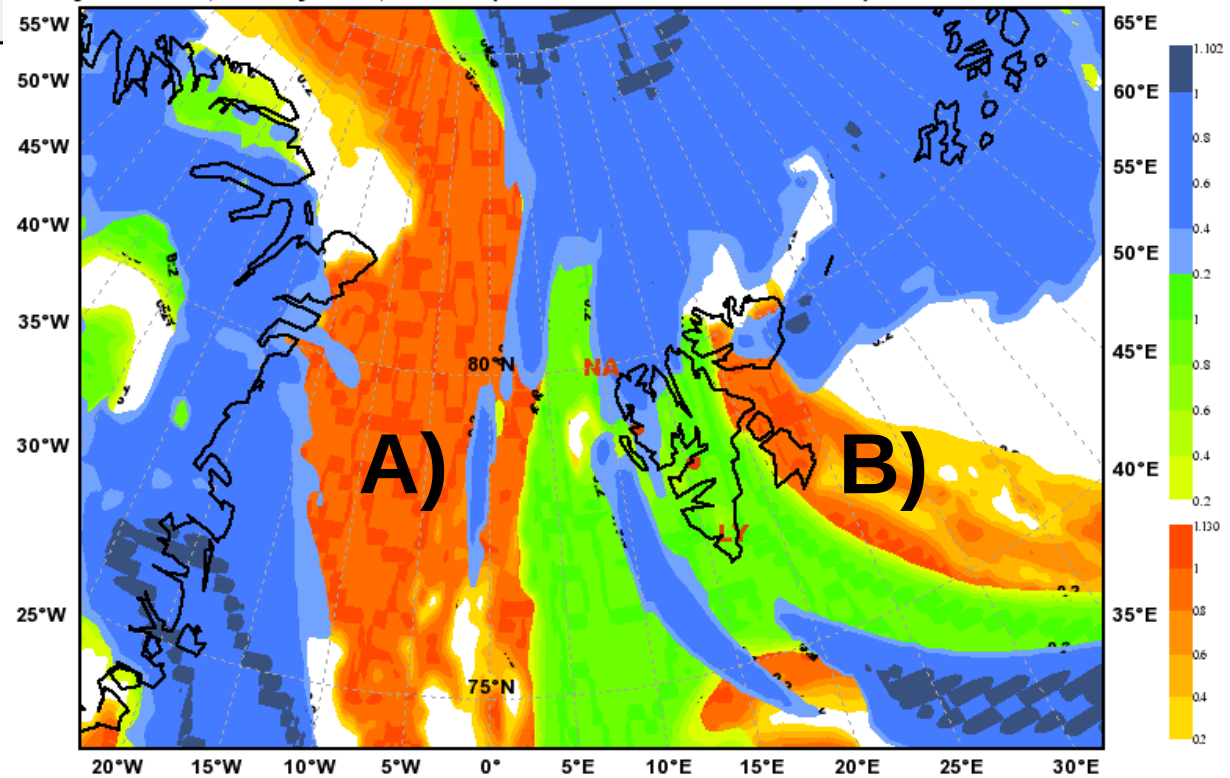valid: Mon, 03 May 2010, 15 UTC (init: 20100501 00 UTC +063 h)

Next option: Monday afternoon.

Low dissipates.
High N/E of Svalbard gains influence.

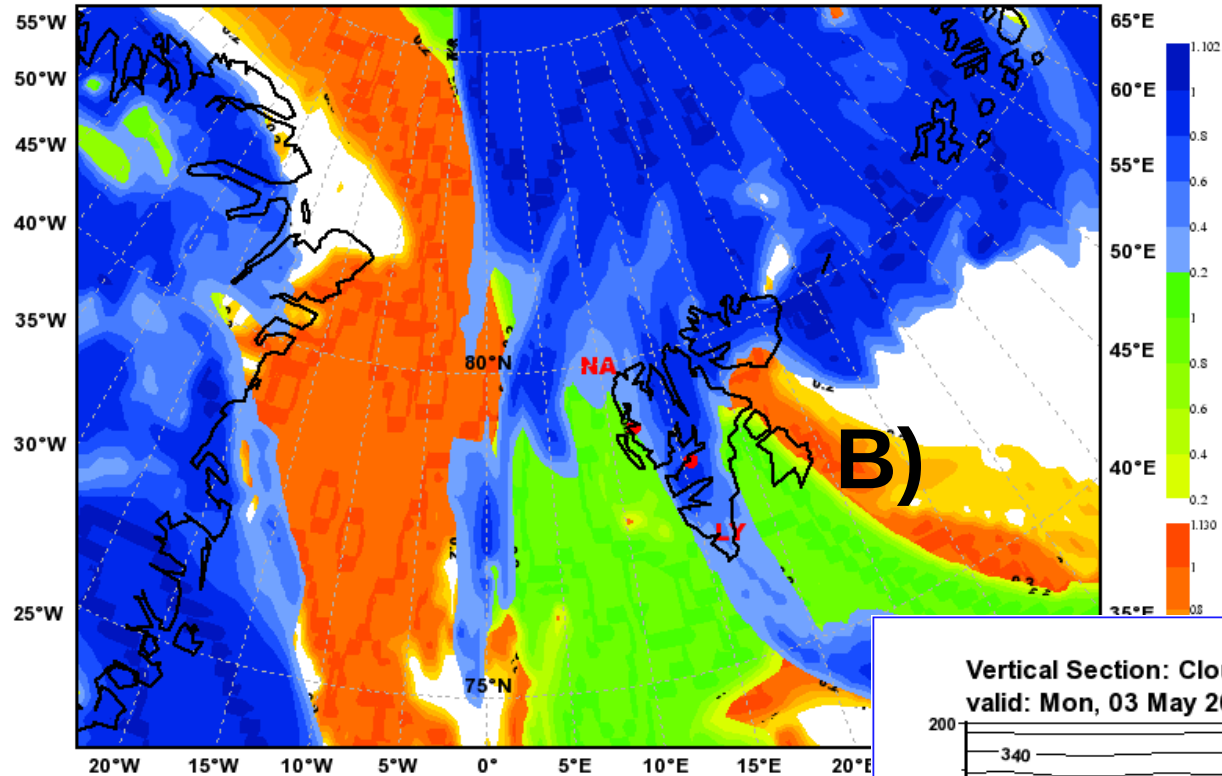850hPa: S/E flow, divergence west of Svalbard

Total Cloud Cover
valid: Mon, 03 May 2010, 15 UTC (init: 20100501 00 UTC +063 h)
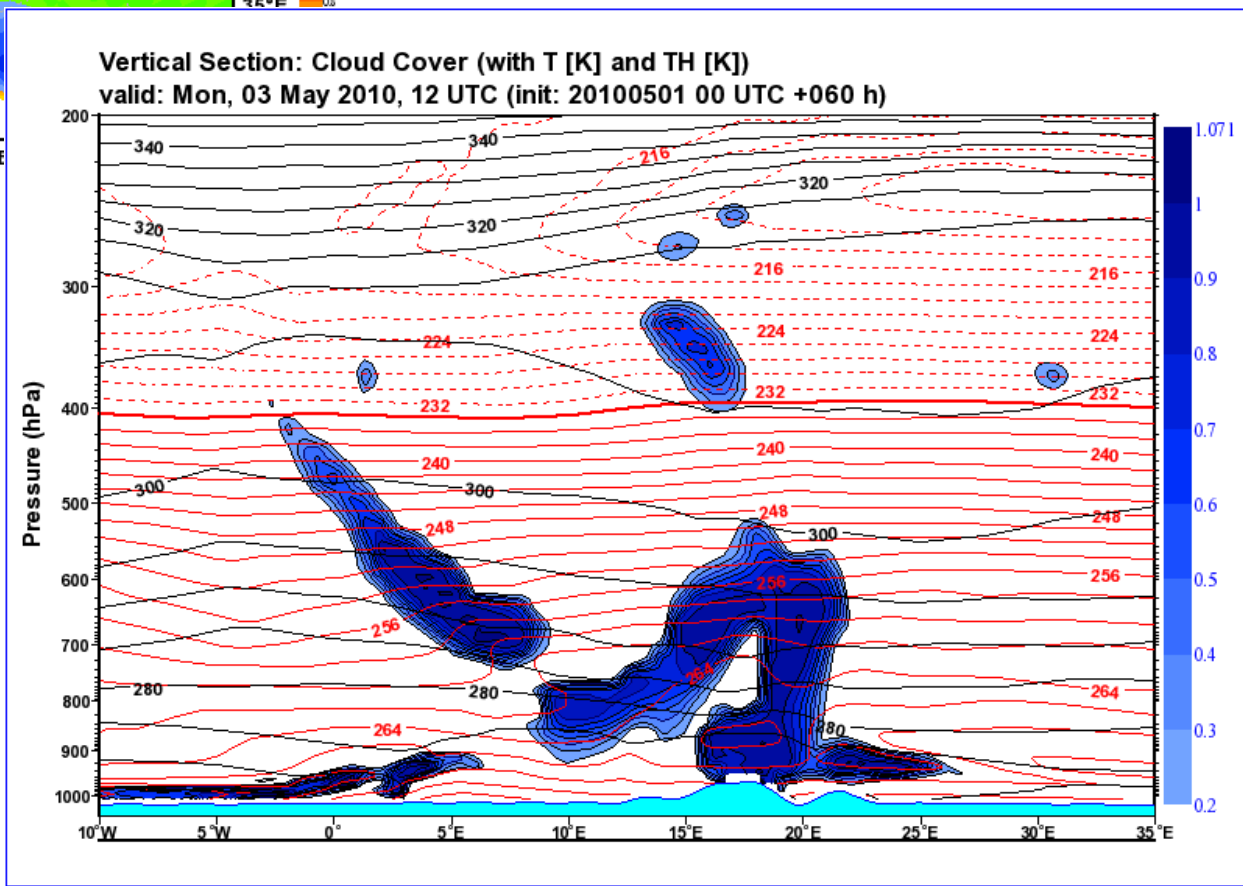
A)   B)

Fly a) west, or B) east?

Total Cloud Cover
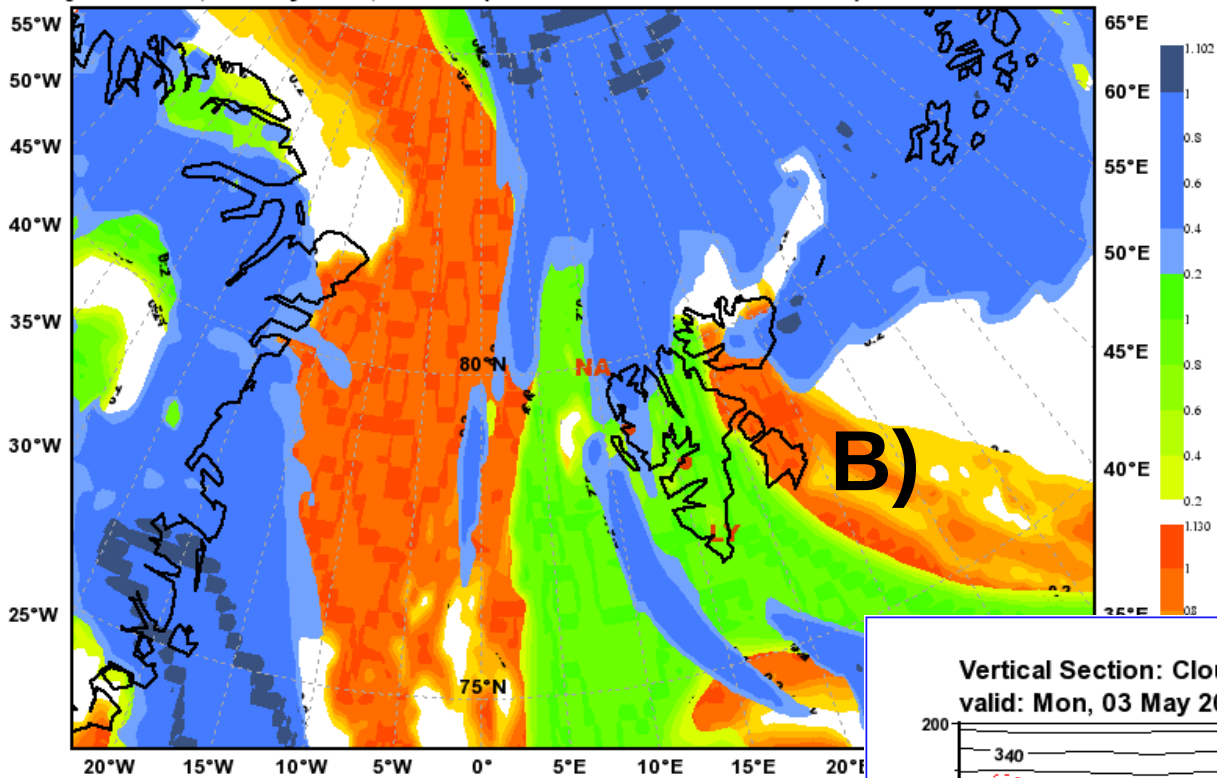valid: Mon, 03 May 2010, 12 UTC (init: 20100501 00 UTC +060 h)

Would clouds over Svalbard be ok to get to B)?
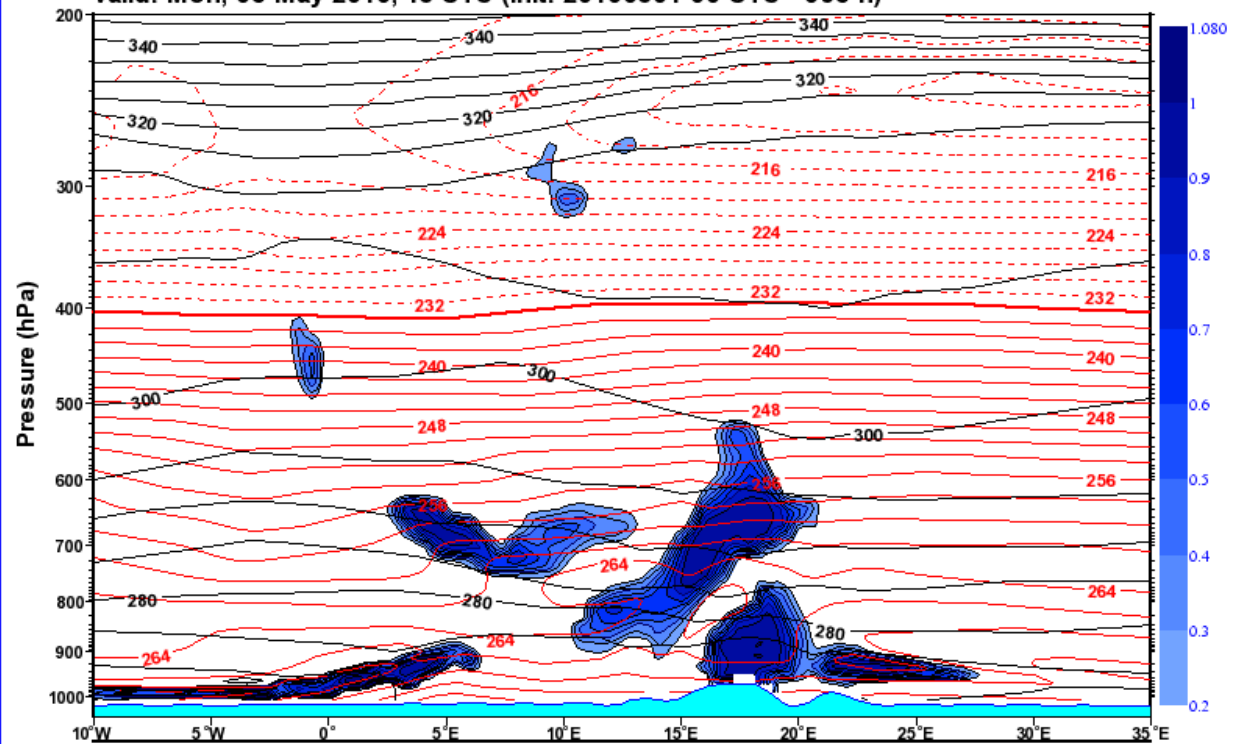
→ need to check updated forecast

Vertical Section: Cloud Cover (with T [K] and TH [K])
valid: Mon, 03 May 2010, 12 UTC (init: 20100501 00 UTC +060 h)

Total Cloud Cover
valid: Mon, 03 May 2010, 15 UTC (init: 20100501 00 UTC +063 h)

B)

Vertical Section: Cloud Cover (with T [K] and TH [K])
valid: Mon, 03 May 2010, 15 UTC (init: 20100501 00 UTC +063 h)

Total Cloud Cover
valid: Mon, 03 May 2010, 18 UTC (init: 20100501 00 UTC +066 h)
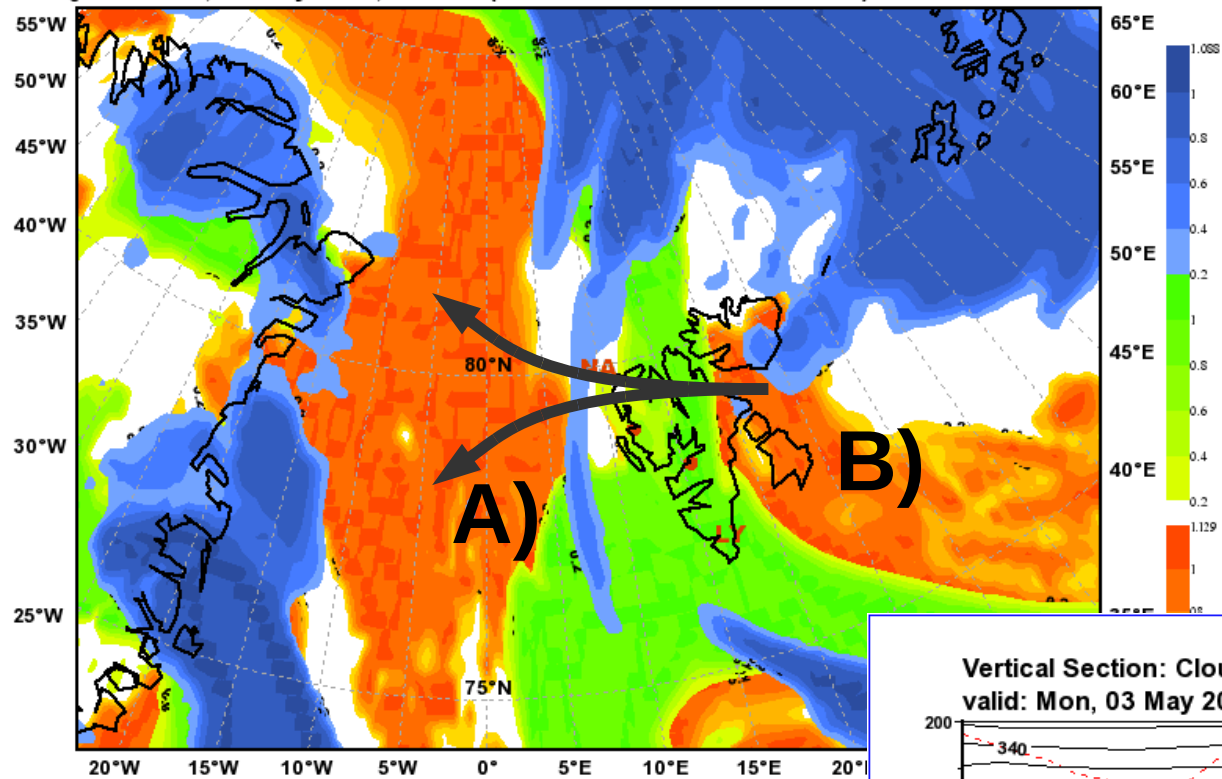
A) : too far west or late flight?

Vertical Section: Cloud Cover (with T [K] and TH [K])
valid: Mon, 03 May 2010, 18 UTC (init: 20100501 00 UTC +066 h)

Total Cloud Cover
valid: Mon, 03 May 2010, 21 UTC (init: 20100501 00 UTC +069 h)

A)

Vertical Section: Cloud Cover (with T [K] and TH [K])
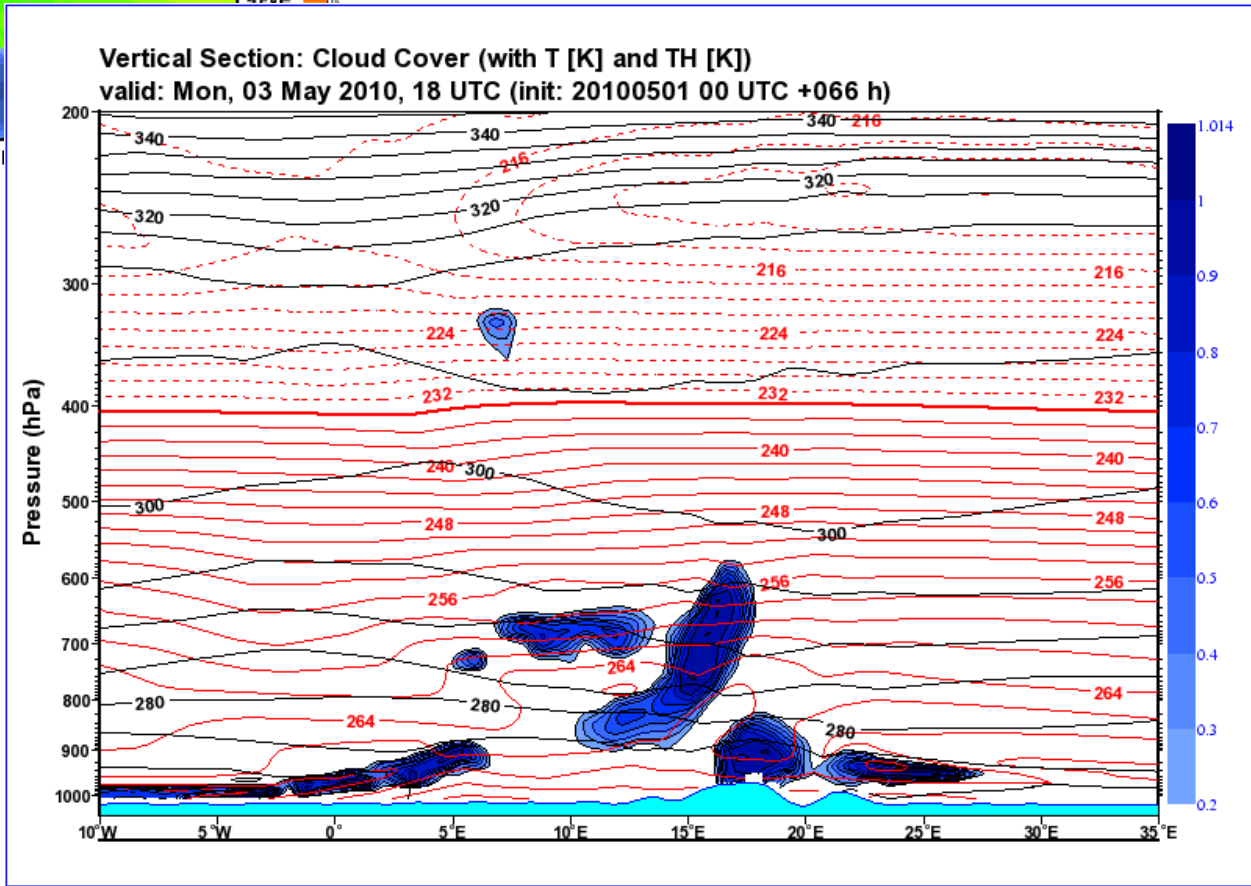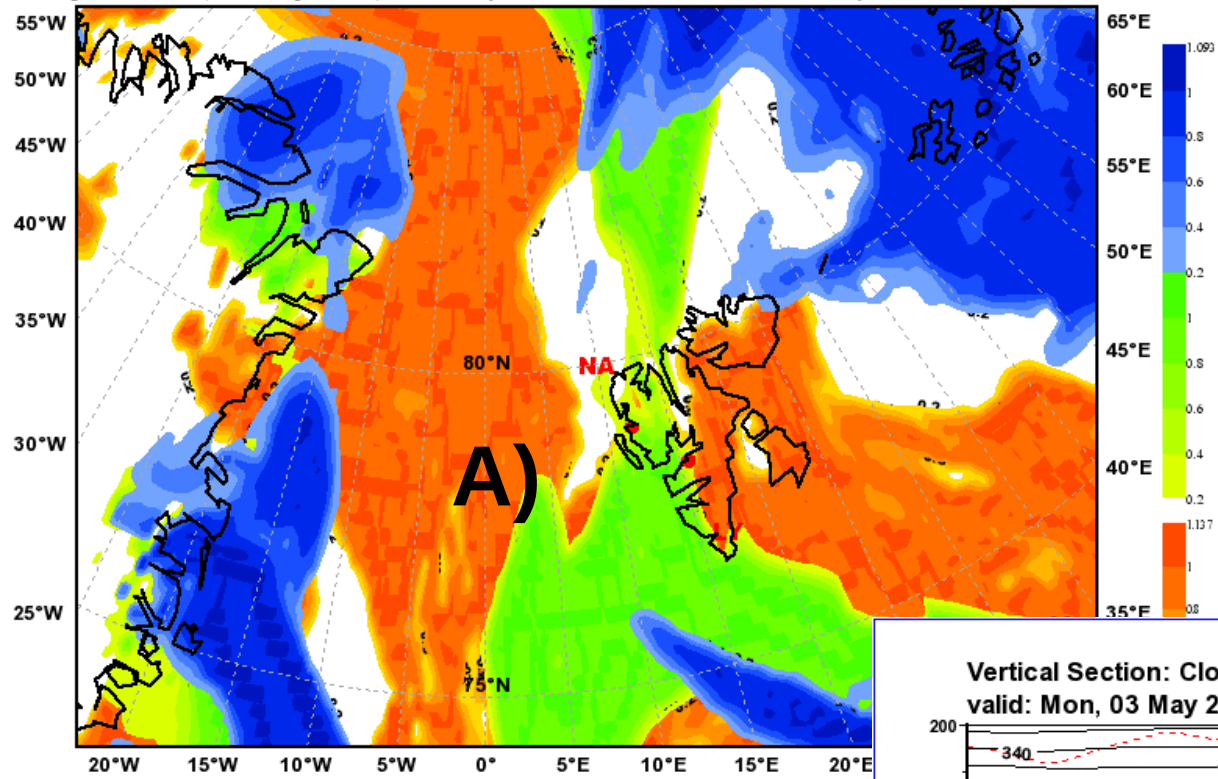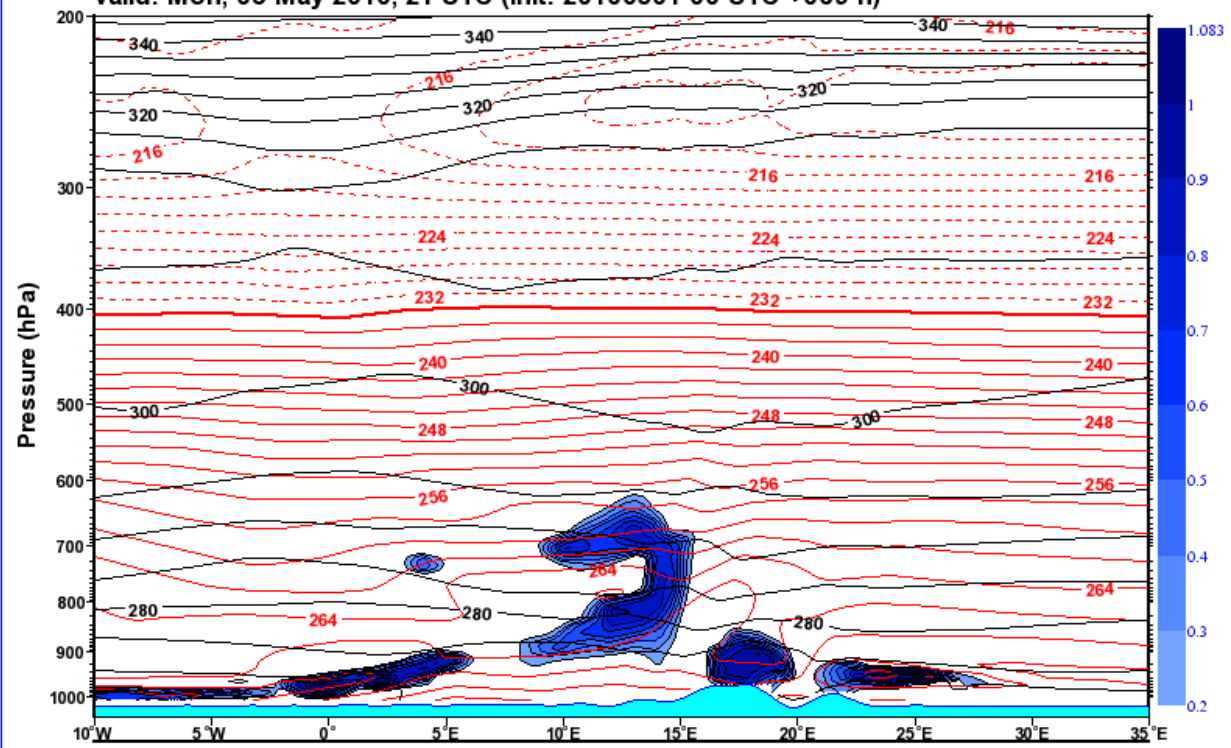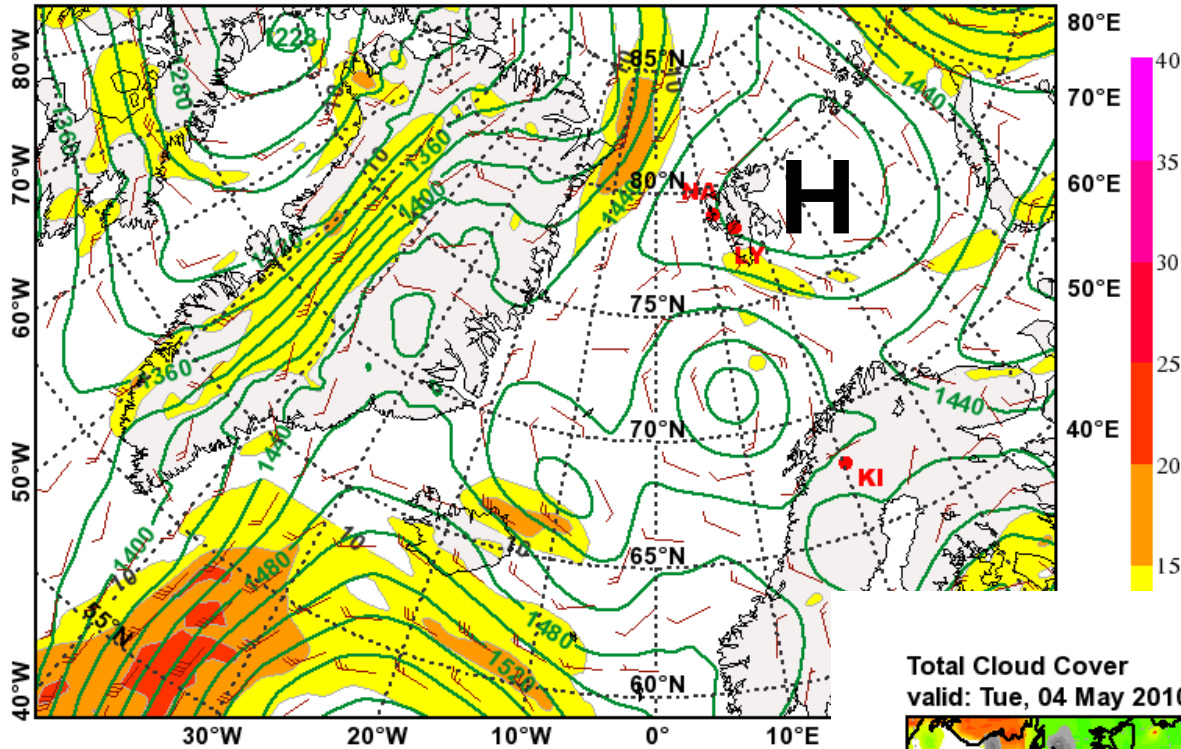valid: Mon, 03 May 2010, 21 UTC (init: 20100501 00 UTC +069 h)

Geopotential Height (m) & Horizontal Wind (m/s) at 850hPa
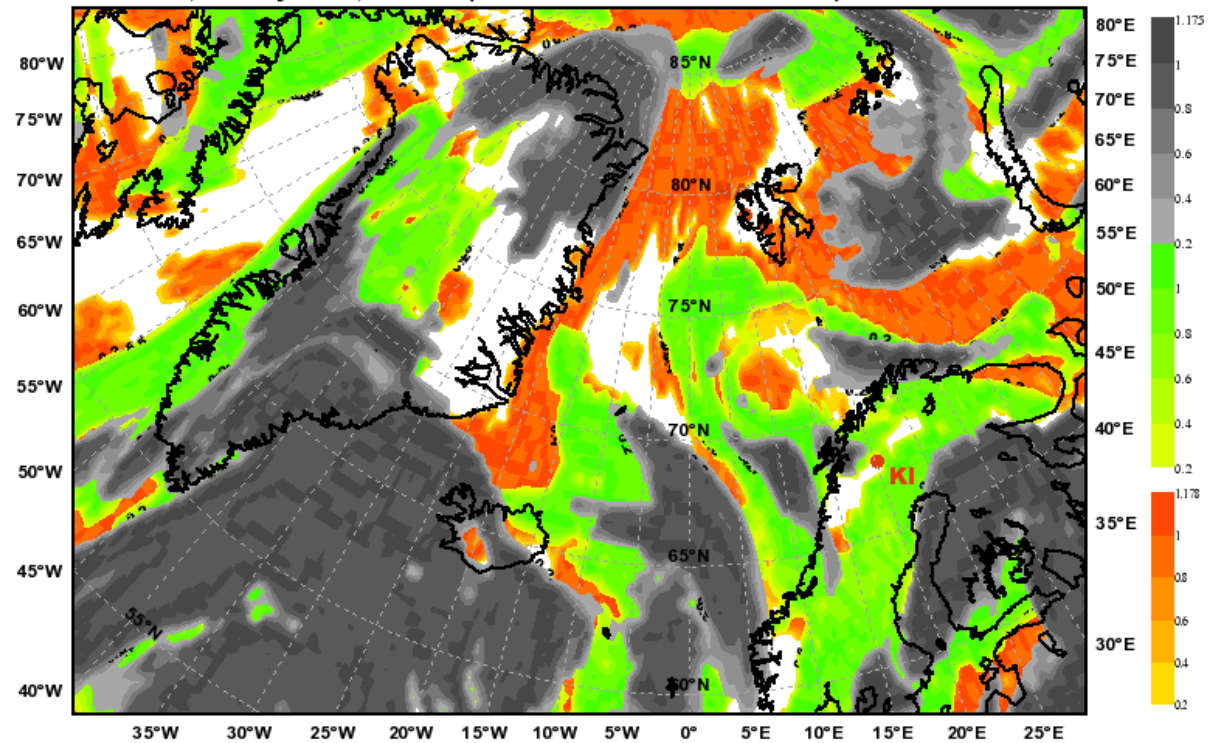valid: Tue, 04 May 2010, 12 UTC (init: 20100501 00 UTC +084 h)
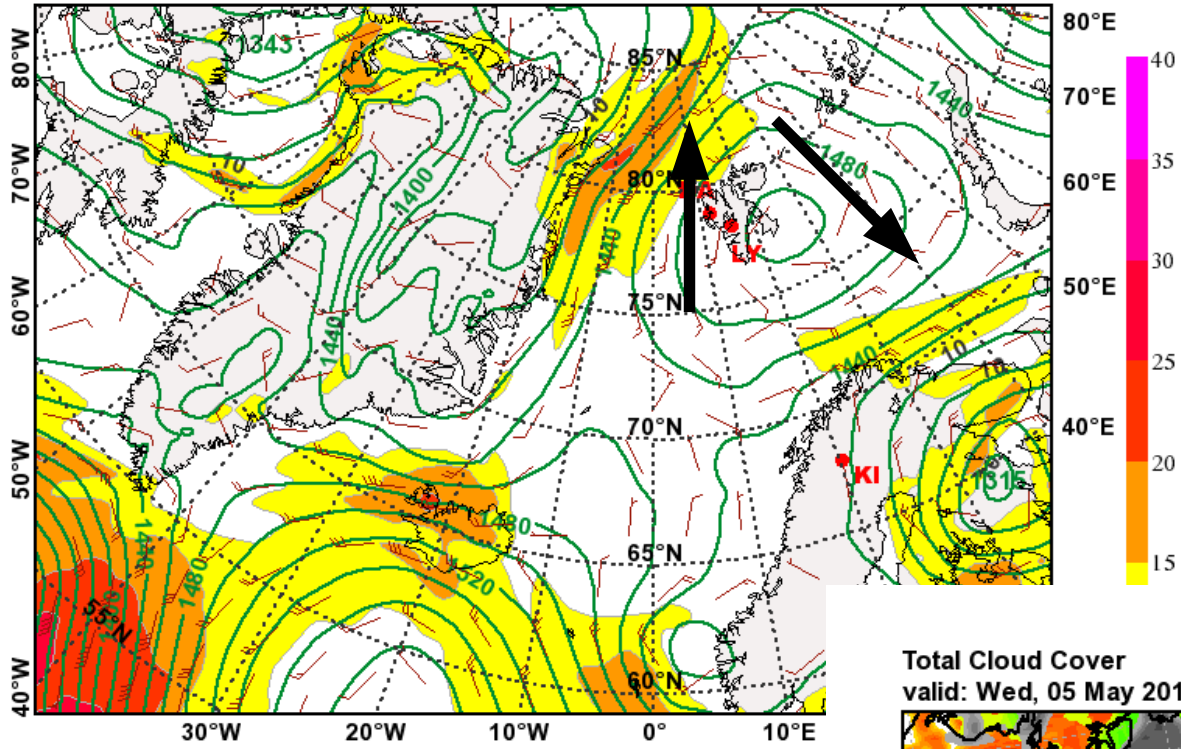

Tue through Thu good conditions.

High pressure system in the Svalbard area. S flow west of Spitsbergen, NW flow east of the islands. Weak winds.

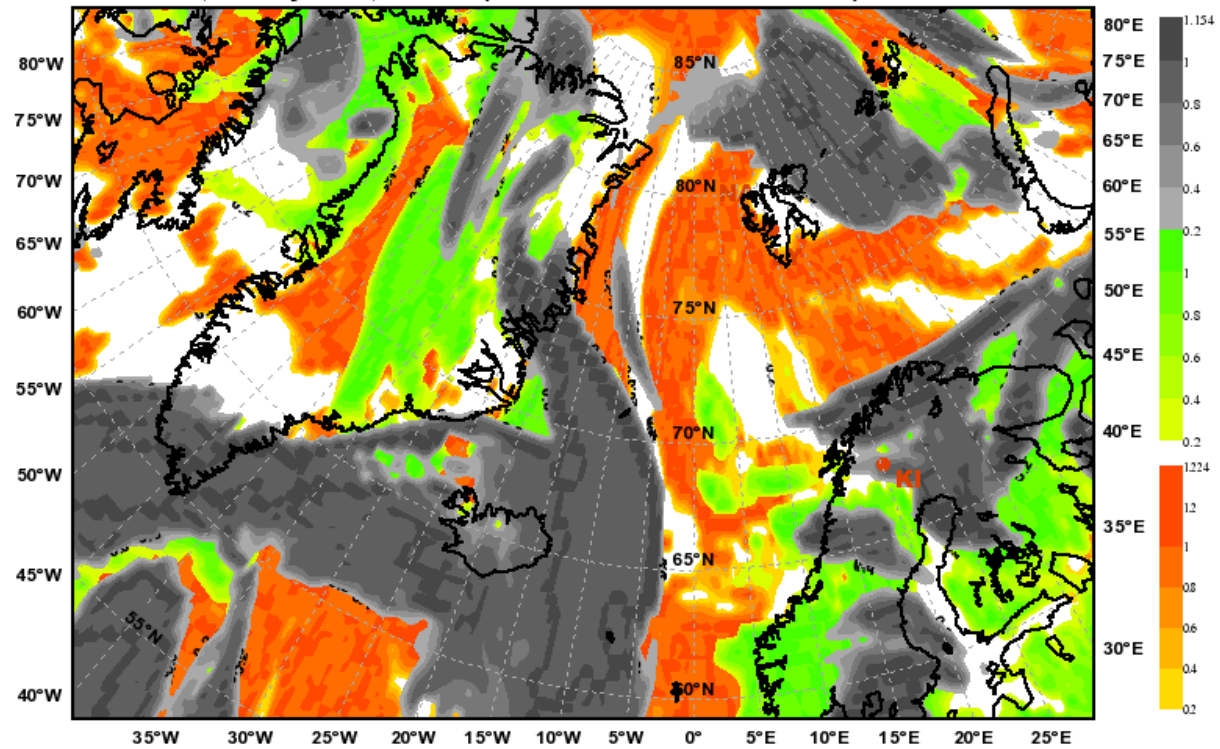Need to observe how cloud forecast develops.

Total Cloud Cover
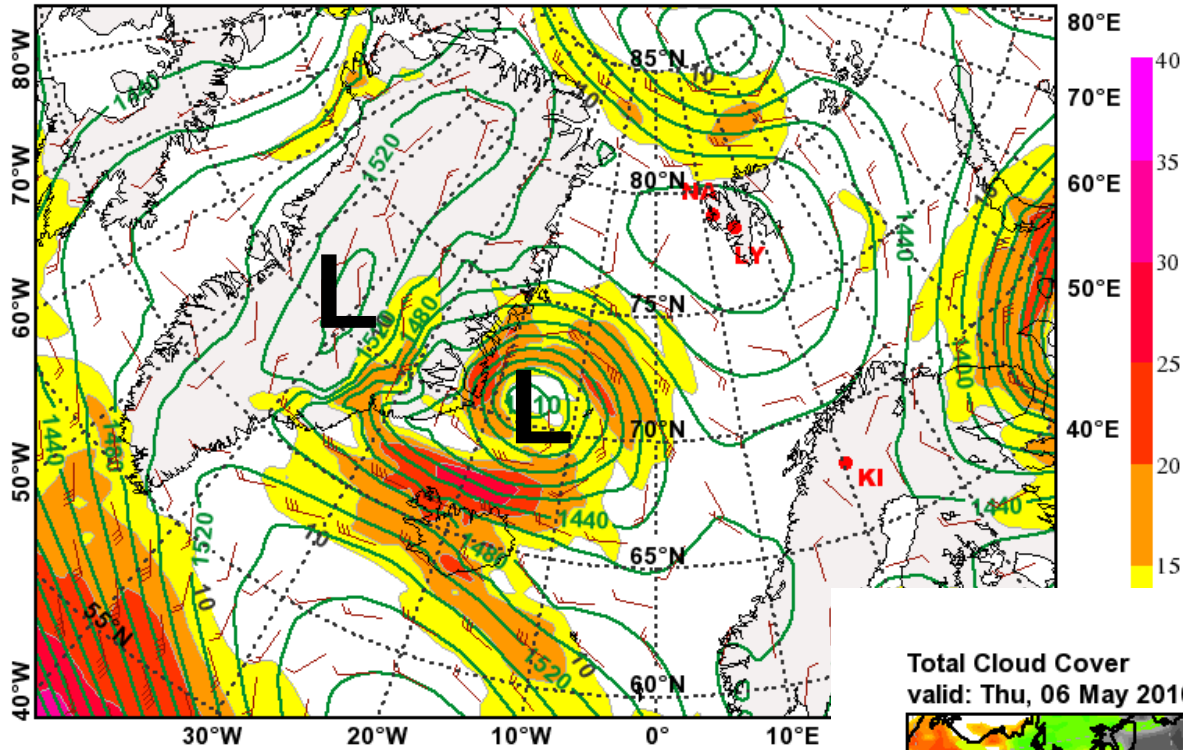valid: Tue, 04 May 2010, 12 UTC (init: 20100501 00 UTC +084 h)

Geopotential Height (m) & Horizontal Wind (m/s) at 850hPa
valid: Wed, 05 May 2010, 12 UTC (init: 20100501 00 UTC +108 h)

Total Cloud Cover
valid: Wed, 05 May 2010, 12 UTC (init: 20100501 00 UTC +108 h)

Geopotential Height (m) & Horizontal Wind (m/s) at 850hPa
valid: Thu, 06 May 2010, 12 UTC (init: 20100501 00 UTC +132 h)

Total Cloud Cover
valid: Thu, 06 May 2010, 12 UTC (init: 20100501 00 UTC +132 h)