

# **Flight Planning**

**Andenes, 27 February 2008**

**Wednesday**

**Andreas Dörnbrack**

**`http://www.pa.op.dlr.de/ipy\_thorpex`**

# Current Conditions

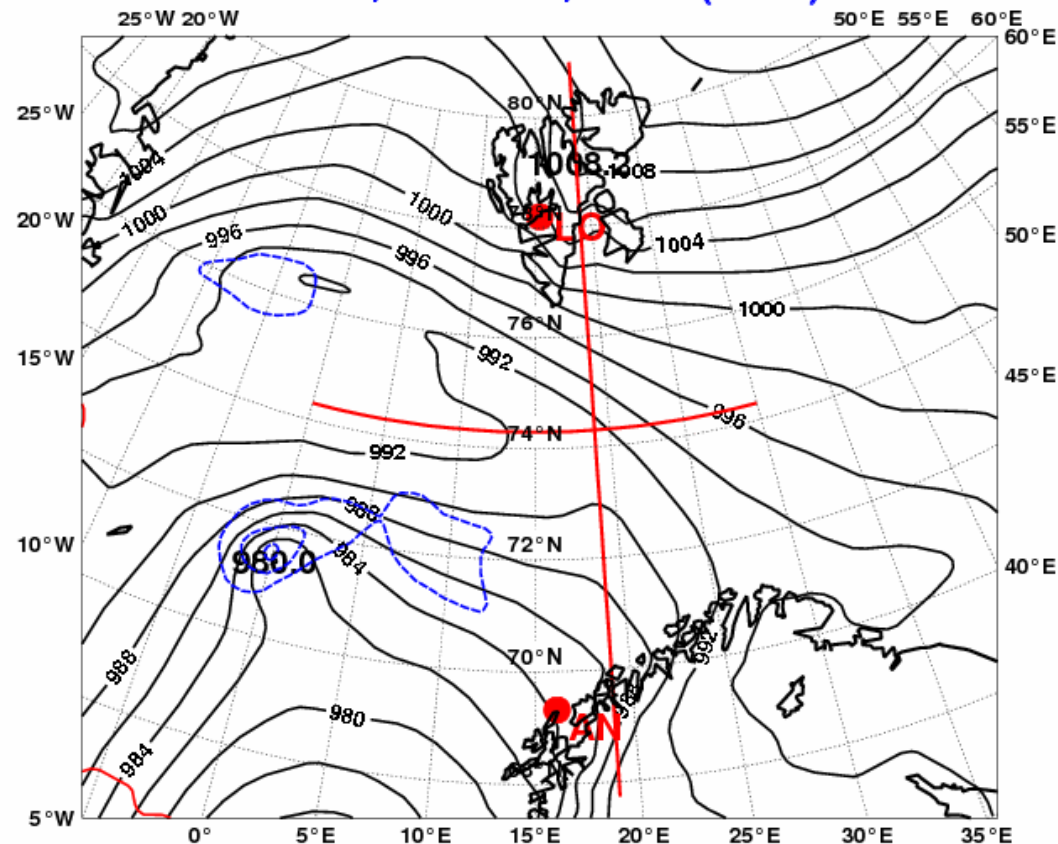
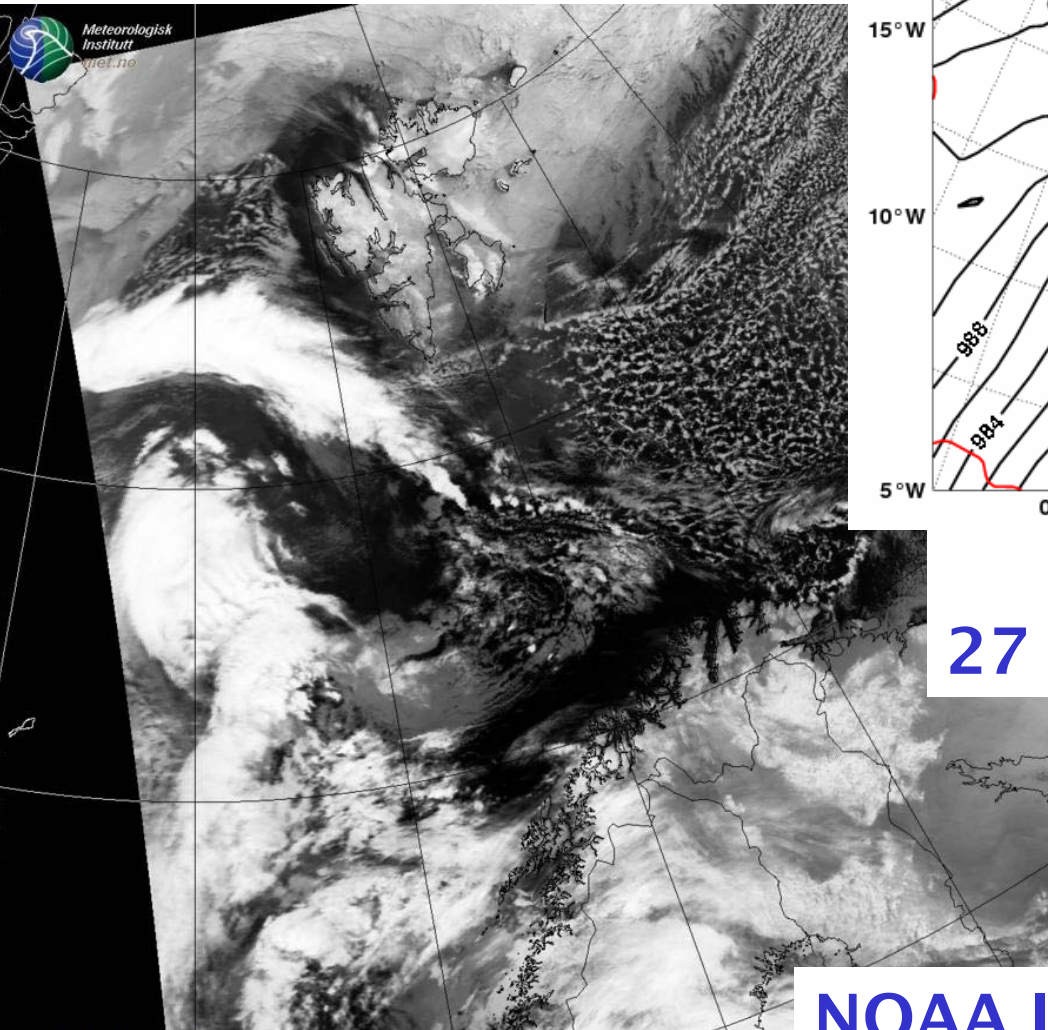
**NOAA AVHRR Satellite Imagery**

<http://met.no>

**ECMWF T799/L91 Forecasts**

[http://www.pa.op.dlr.de/ipy\\_thorpex](http://www.pa.op.dlr.de/ipy_thorpex)

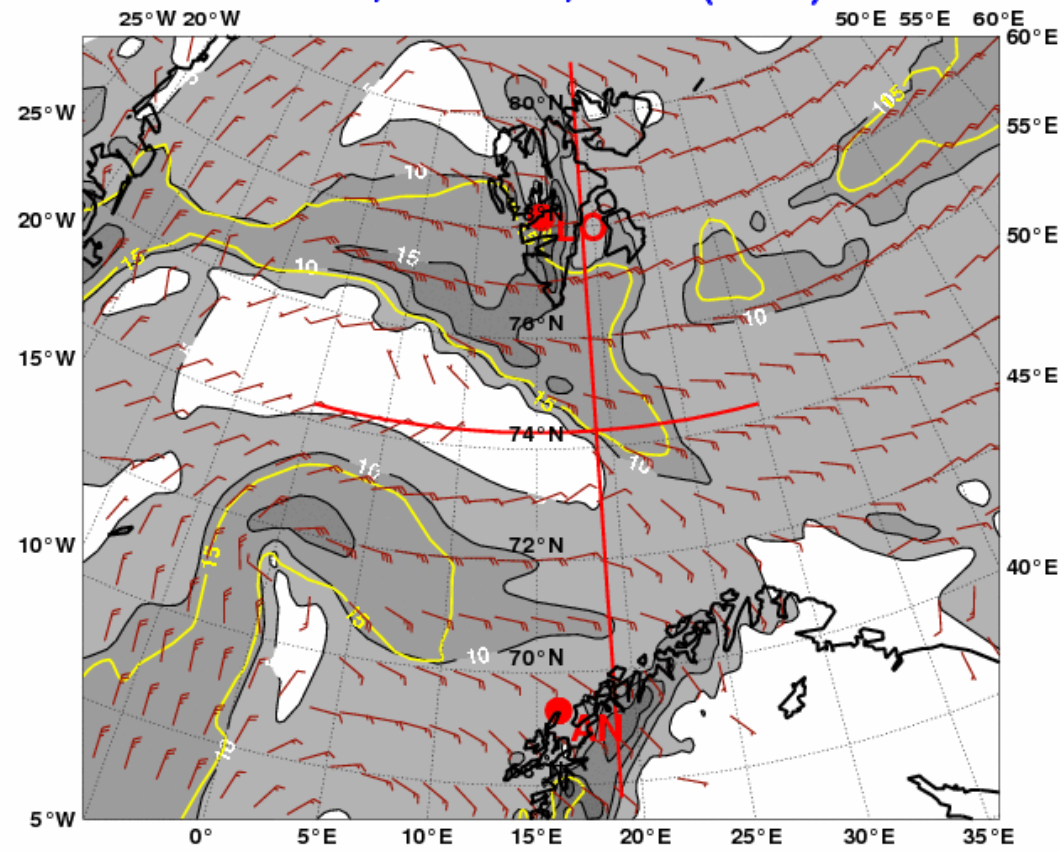
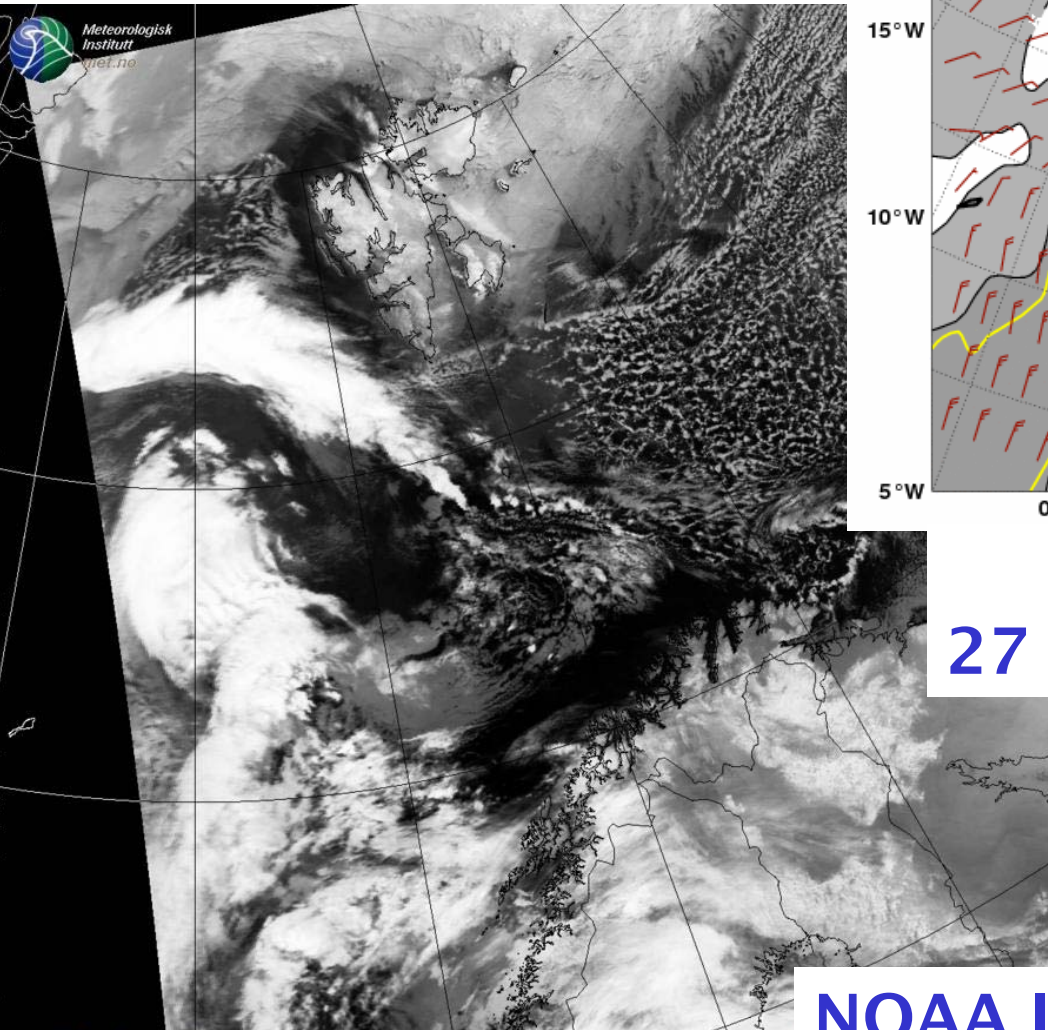
VT: Wed, 27 Feb 08, 03 UT (+15 h)



**MSL Pressure (hPa)**  
**27 Feb 2008 03 UTC (+15 h)**

**NOAA IR - 27 Feb 2008 0342 UTC**

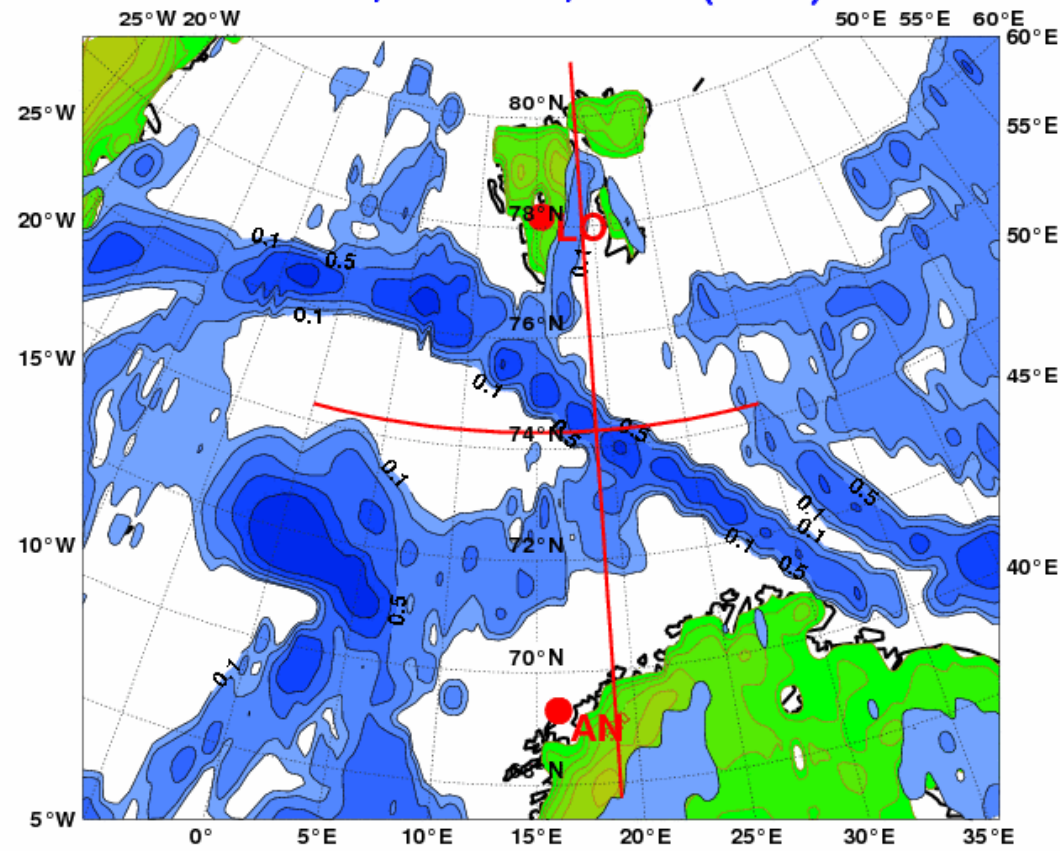
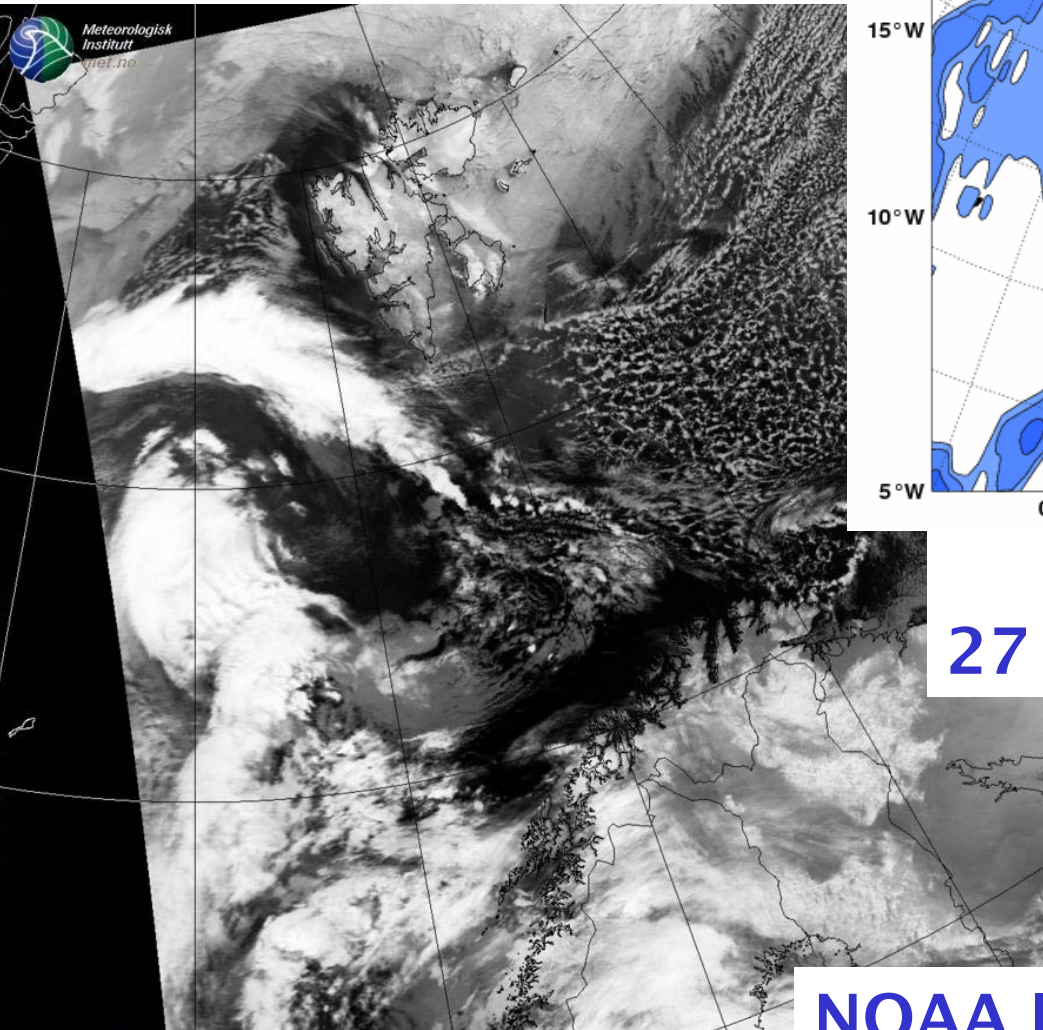
VT: Wed, 27 Feb 08, 03 UT (+15 h)



**Surface Wind + Gusts**  
**27 Feb 2008 03 UTC (+15 h)**

**NOAA IR - 27 Feb 2008 0342 UTC**

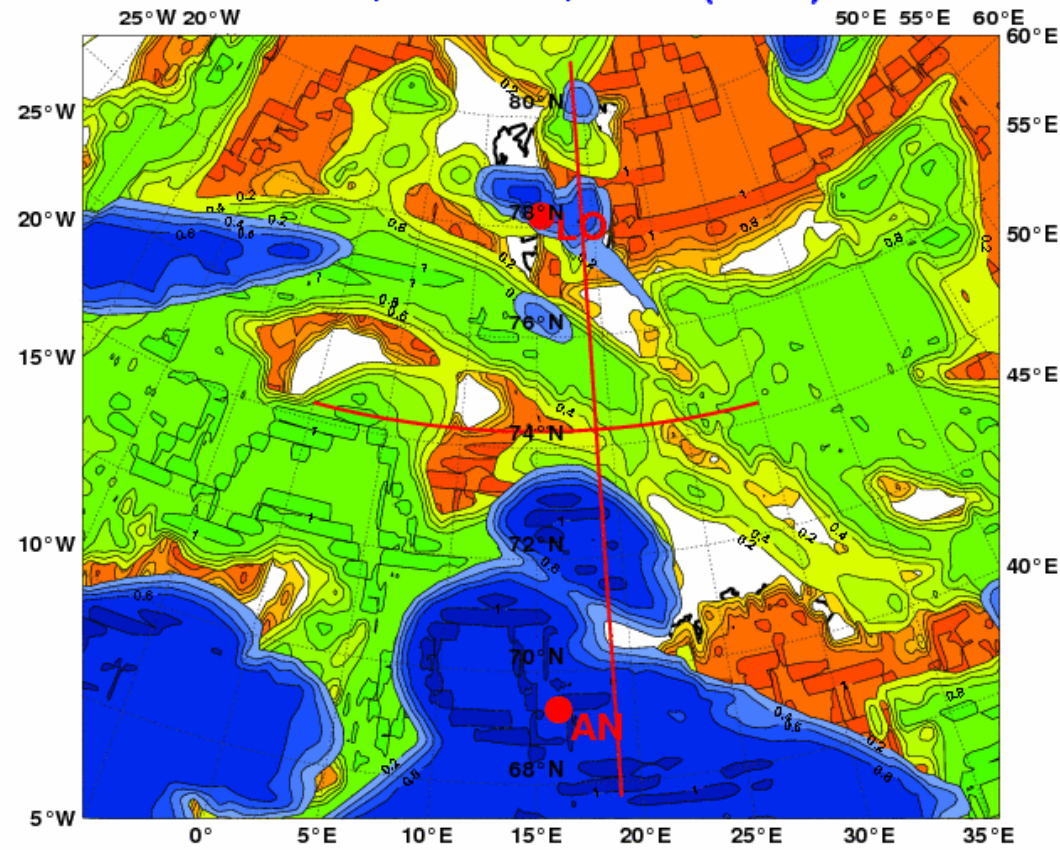
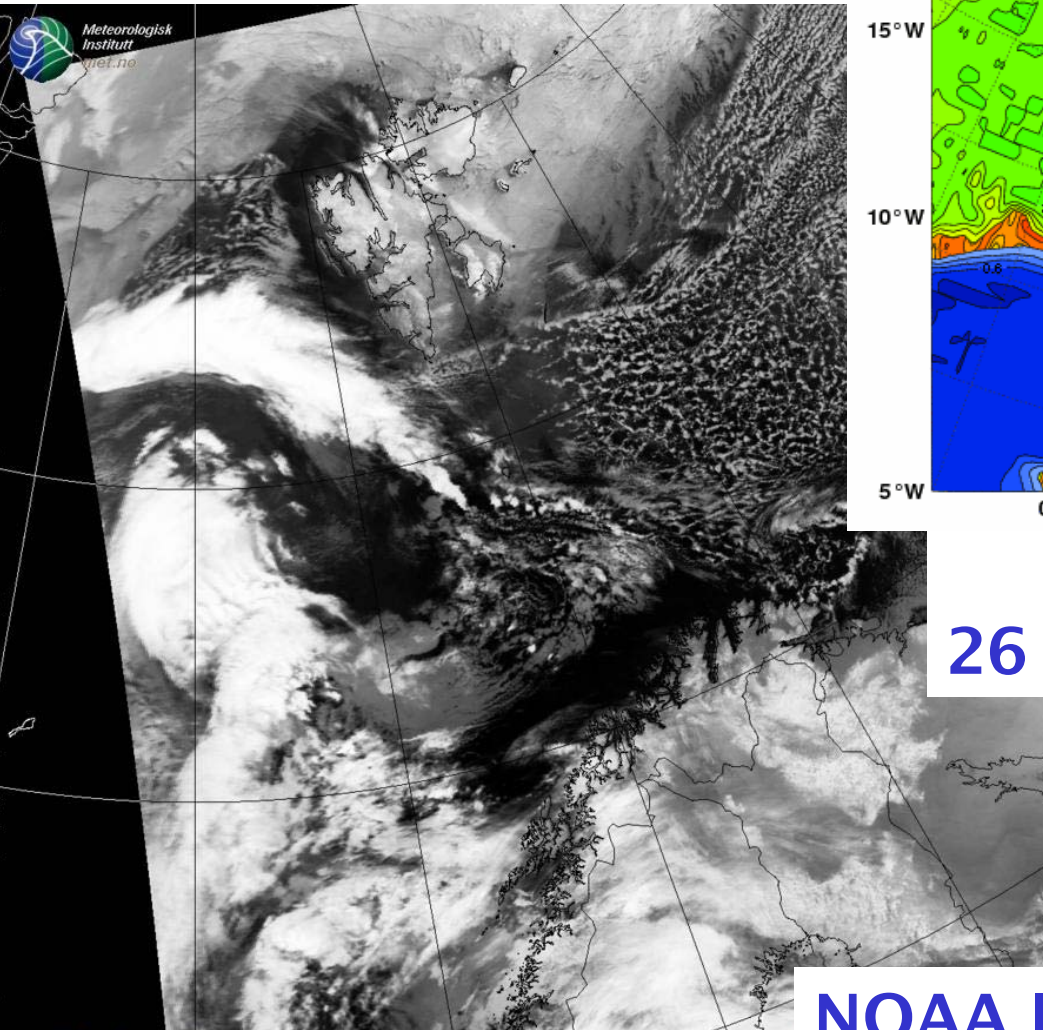
VT: Wed, 27 Feb 08, 03 UT (+15 h)



**Total Precip**  
**27 Feb 2008 03 UTC (+15 h)**

**NOAA IR - 27 Feb 2008 0342 UTC**

VT: Wed, 27 Feb 08, 03 UT (+15 h)



**Cloud Cover**  
**26 Feb 2008 03 UTC (+15 h)**

**NOAA IR - 27 Feb 2008 0342 UTC**

# Conditions at 12 UTC

## ECMWF T799/L91 Forecasts

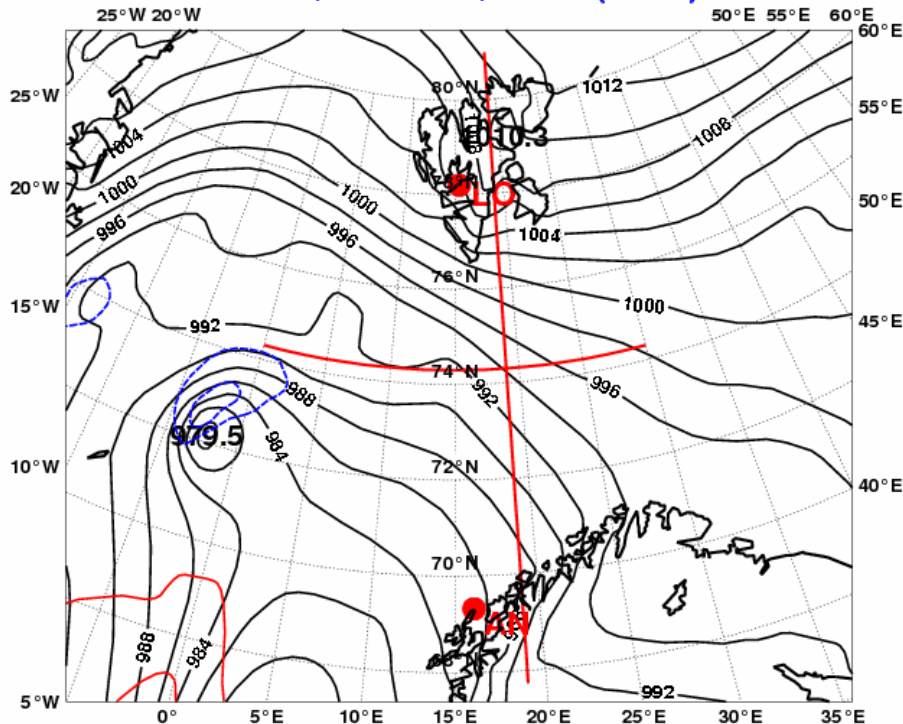
[http://www.pa.op.dlr.de/ipy\\_thorpex](http://www.pa.op.dlr.de/ipy_thorpex)

# Regional Conditions

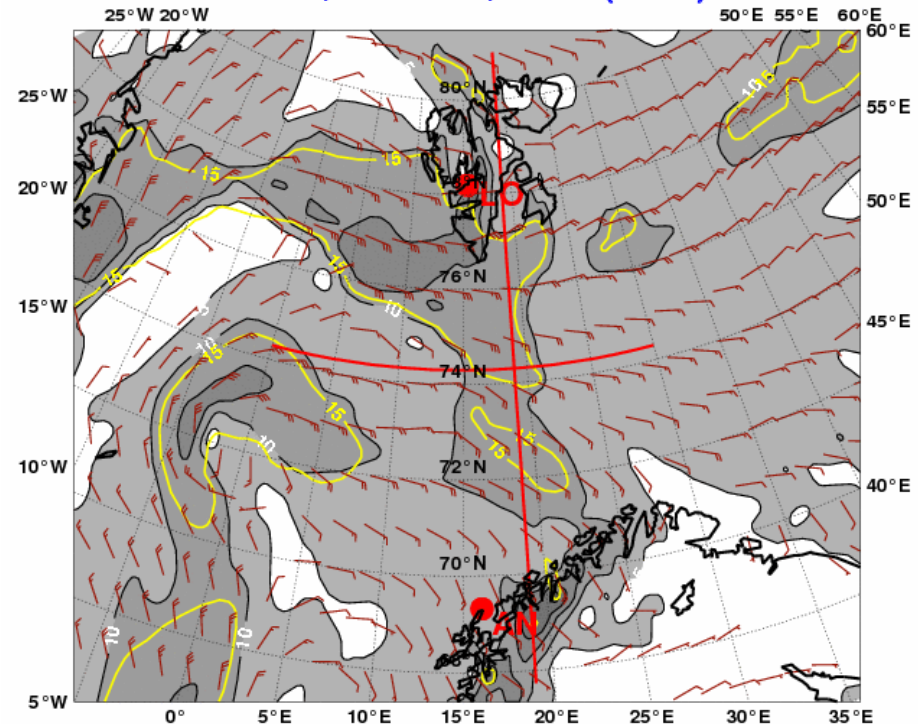
(based on ECMWF T799/L91 Forecasts)

Wednesday 27 February 2008 12 UTC (+24 h)

VT: Wed, 27 Feb 08, 12 UT (+24 h)



VT: Wed, 27 Feb 08, 12 UT (+24 h)



MSL Pressure (hPa), Tendency (hPa/3 h)

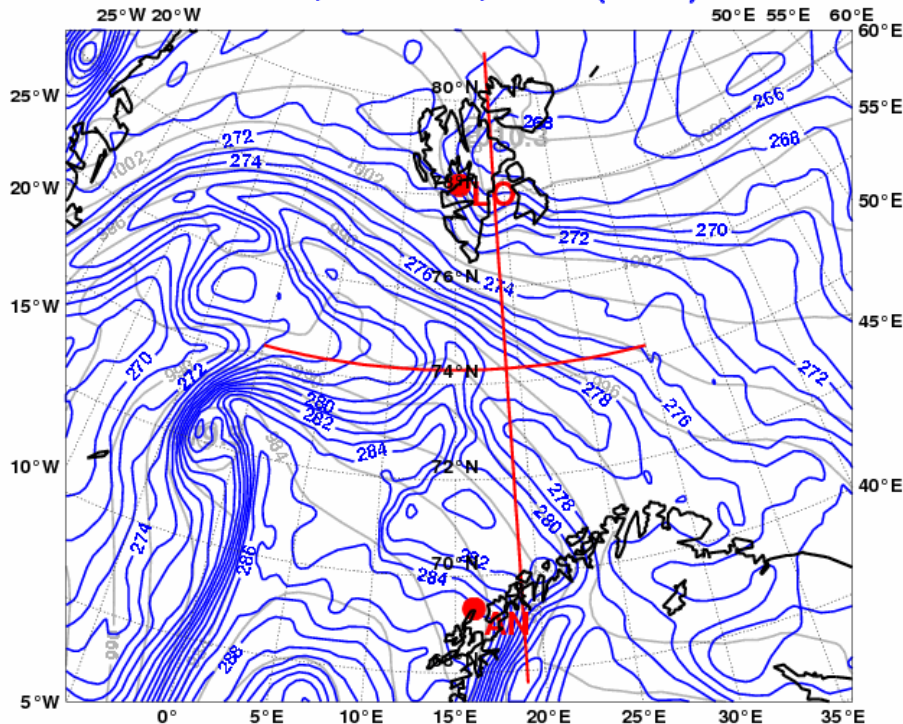
Wind at 10 m and Gusts > 15m/s (yellow)

# Regional Conditions

(based on ECMWF T799/L91 Forecasts)

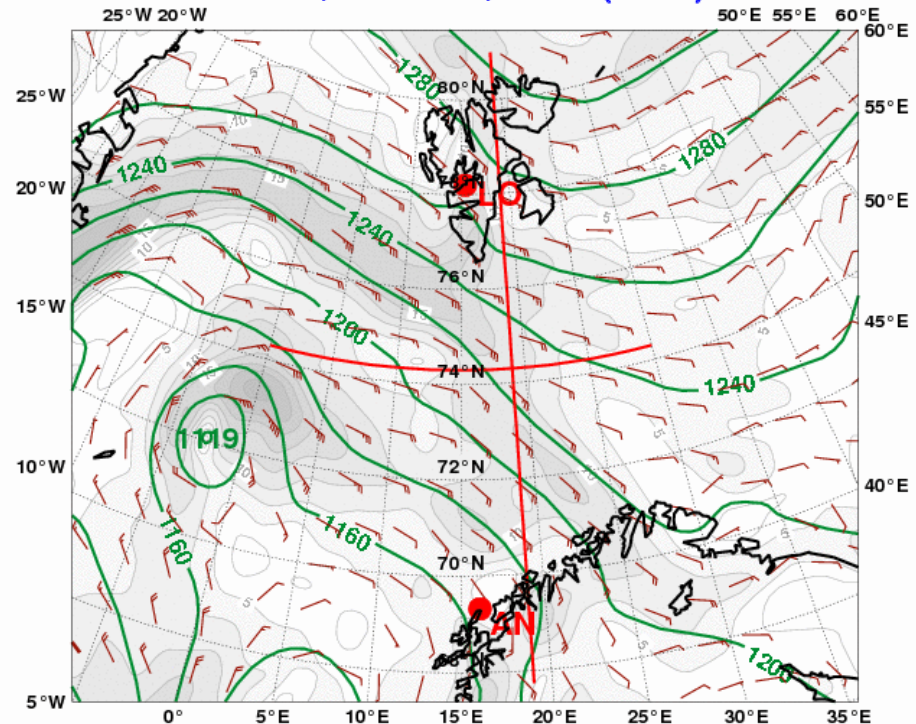
Wednesday 27 February 2008 12 UTC (+24 h)

VT: Wed, 27 Feb 08, 12 UT (+24 h)



$\Theta_e$  (K) at 850 hPa

VT: Wed, 27 Feb 08, 12 UT (+24 h)



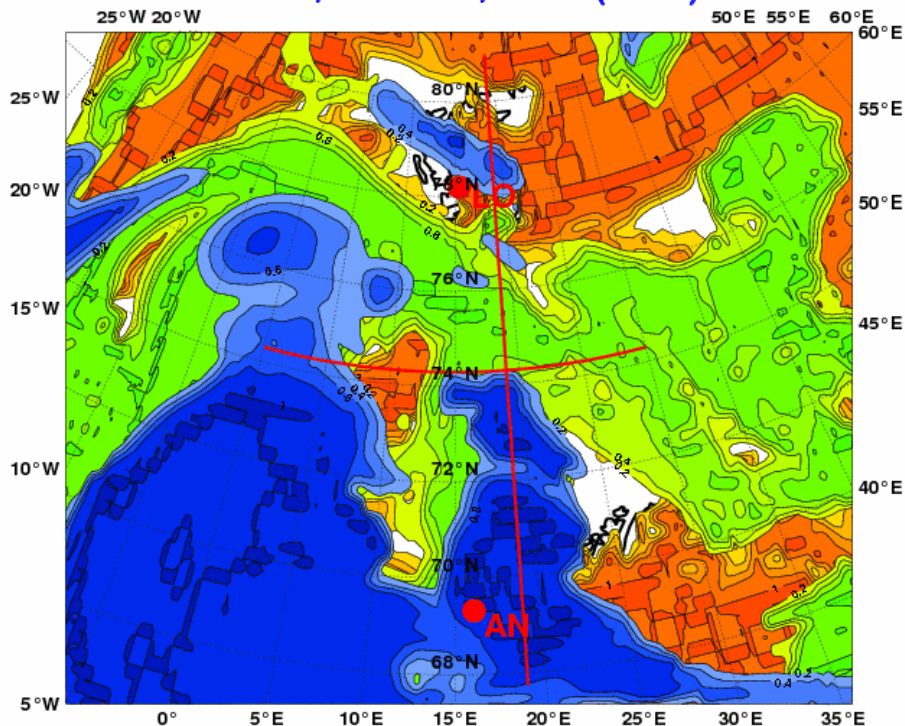
Wind (m/s) and Z (m) at 850 hPa

# Regional Conditions

(based on ECMWF T799/L91 Forecasts)

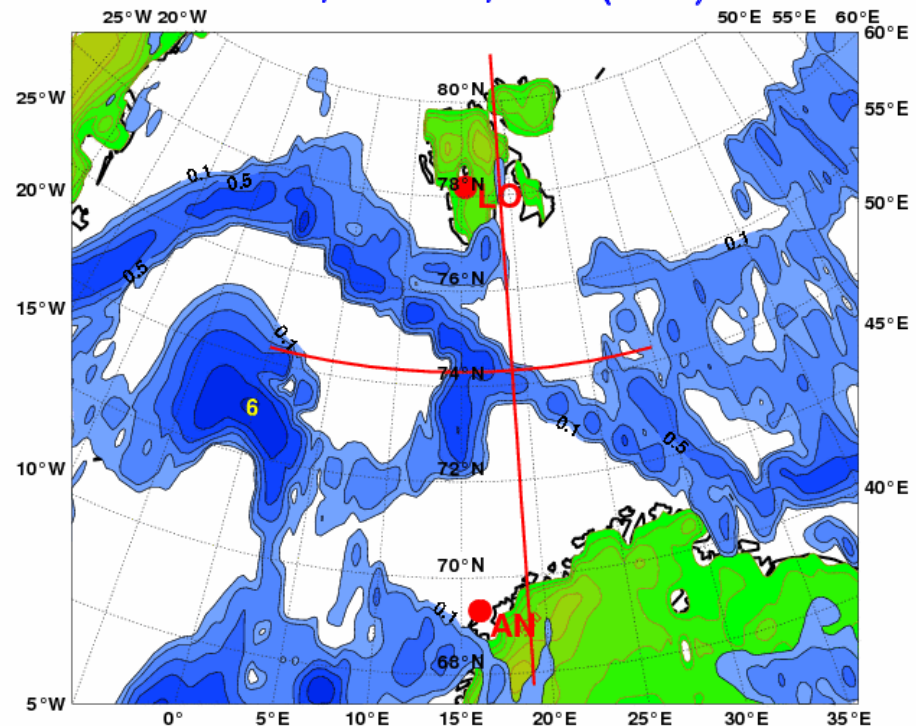
Wednesday 27 February 2008 12 UTC (+24 h)

VT: Wed, 27 Feb 08, 12 UT (+24 h)

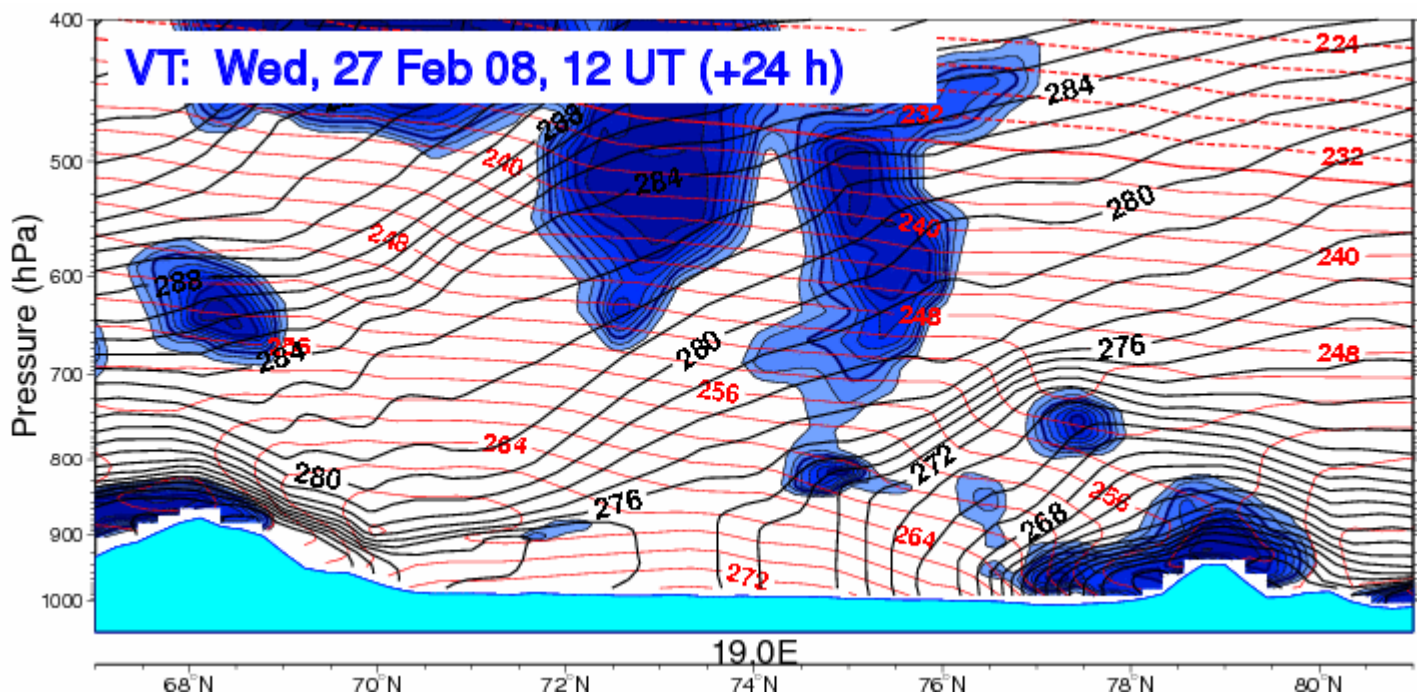
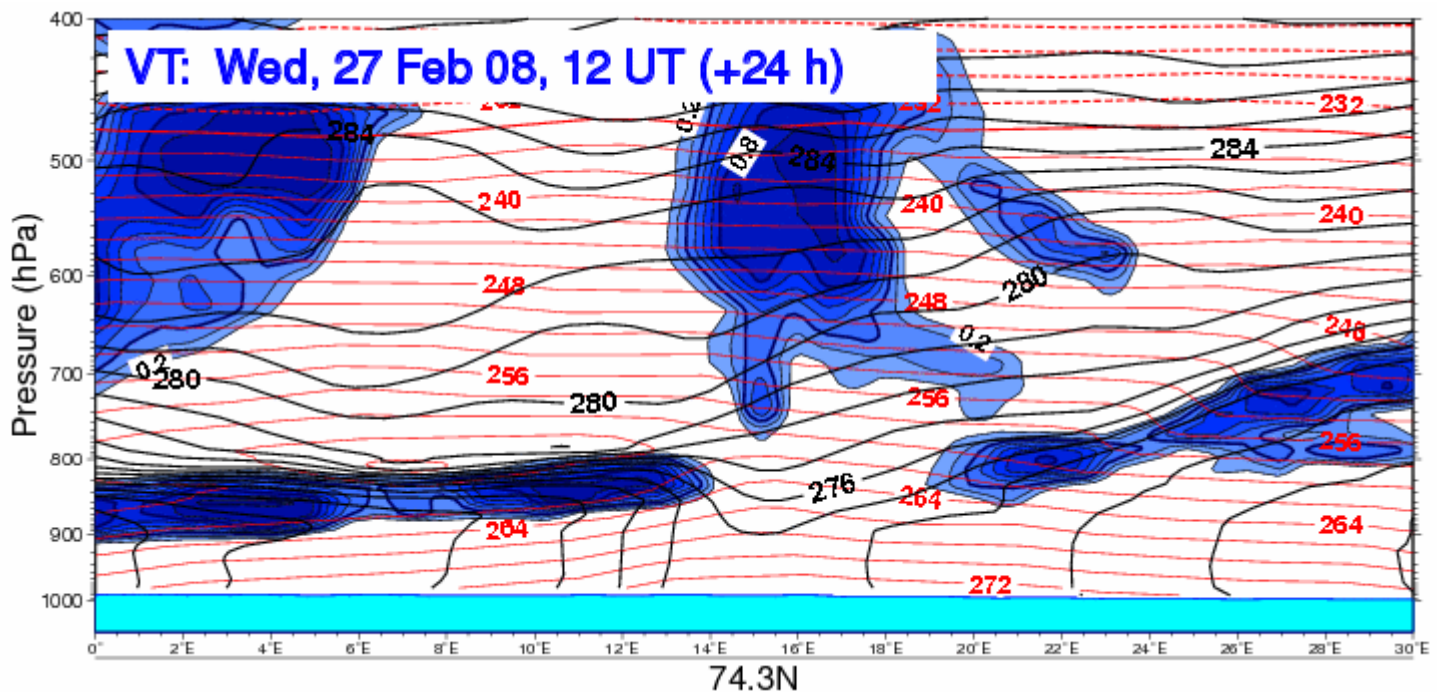


High, Medium, Low Cloud Cover

VT: Wed, 27 Feb 08, 12 UT (+24 h)



Precipitation (mm/3h)





*Takeoff Time:* 09:00 UTC

*EET:* 3:00 hrs

*Altitude:* FL270

*Planned Routing:*

ENAN

WP1 72°00N 27°00E

WP2 69°20N 22°15E

WP3 78°20N 25°00E

WP4 77°15N 14°00E

WP5 78°05N 13°05E

ENSB

*Remark:*

request to drop meteorologic  
sonds at the points:

S-1 70°45N 21°00E

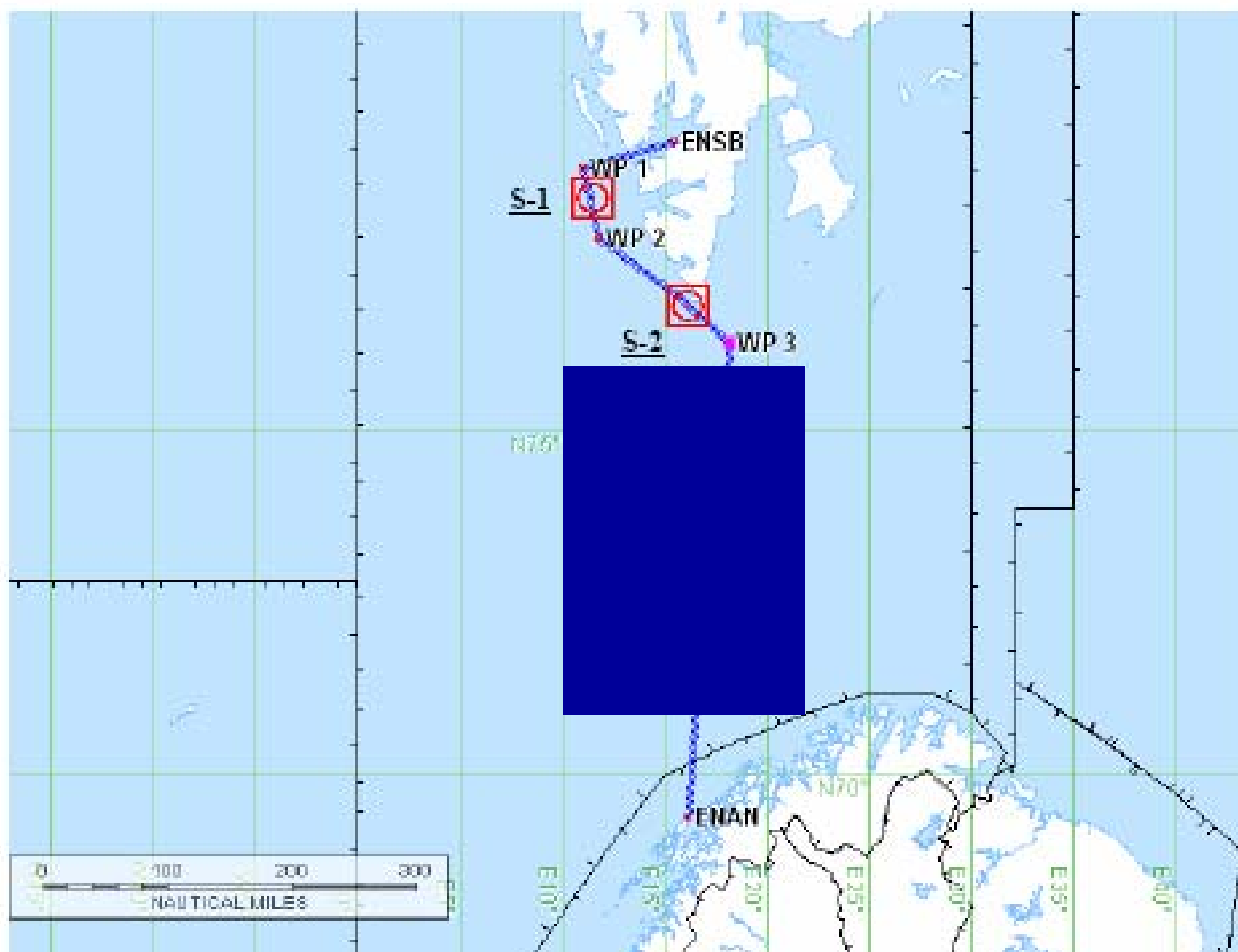
S-2 78°20N 25°00E

THORPEX 2008

D-CMET

Flight-No. 2

27-February-2008



*Takeoff Time:* 13:00 UTC

*EET:* 1:45 hrs

*Altitude:* FL270

*Planned Routing:*

ENSB

WP1 78°00N 11°00E

WP2 77°15N 11°50E

WP3 76°05N 18°15E

ENANNSB

*Remark:*

request to drop meteorologic

sonds at the points:

S-1 77°40N 11°30E

S-2 76°30N 16°10E