

Flight Planning for Wed 27 Feb 2008

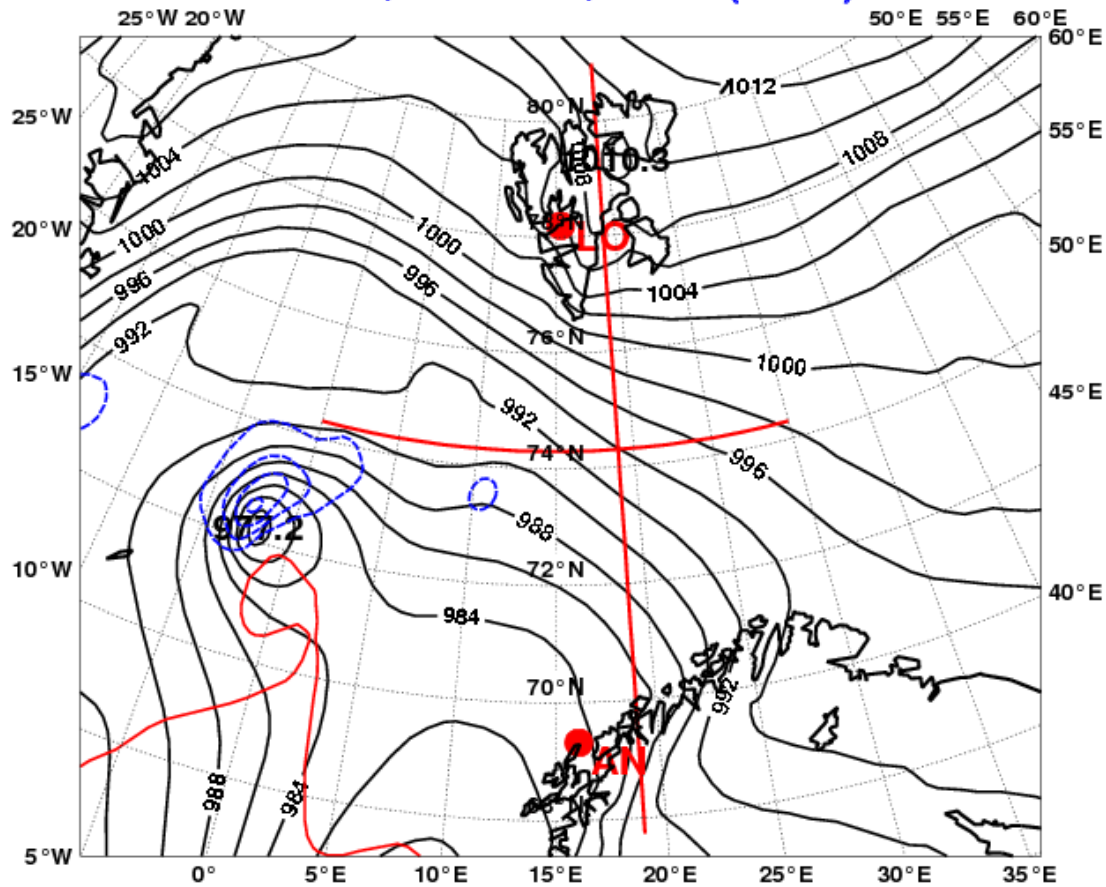
IPY-THORPEX-Norway Day #2

Plans for 27 Feb 2008

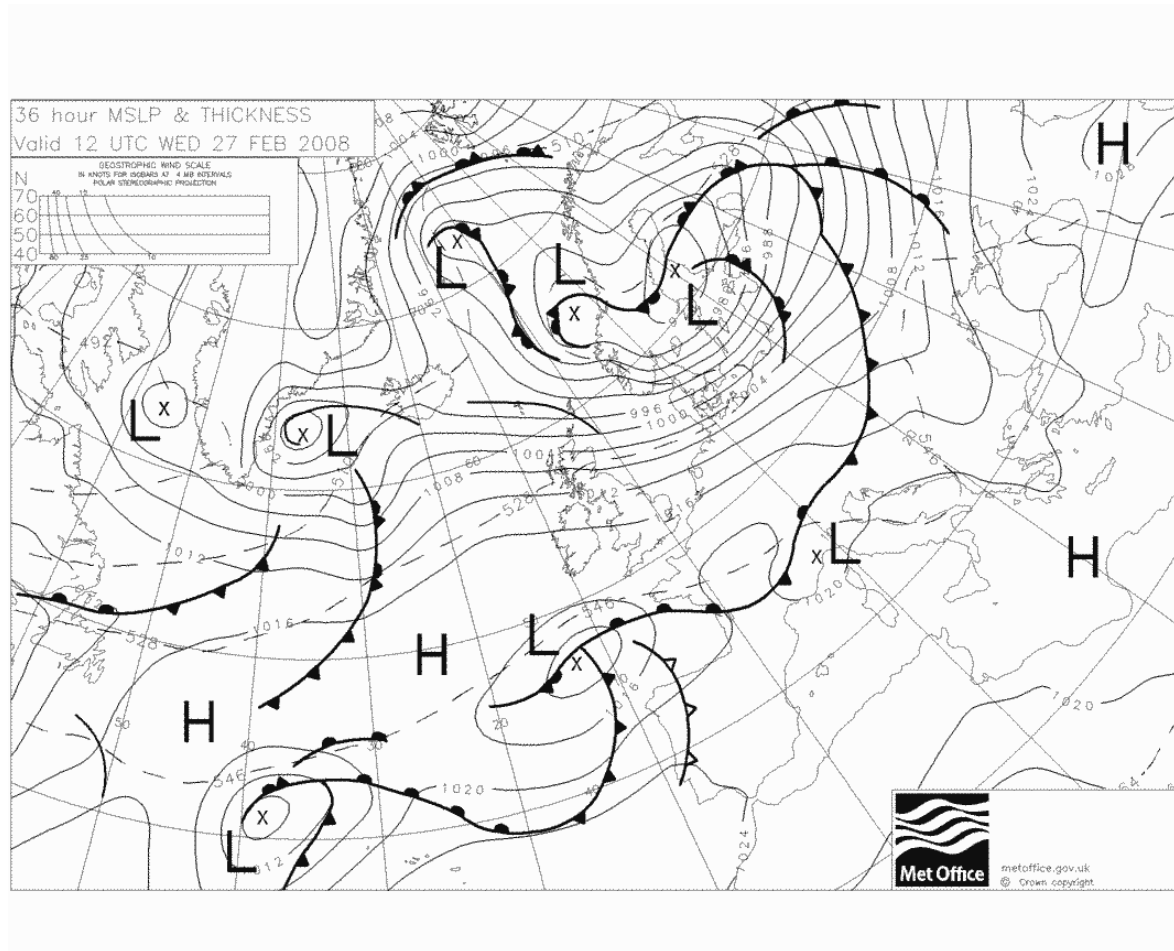
- Alt.1: Map out SE-ly flow coming off the coast of Norway, all the way from Andøya to the Russian border. This flow is strongly influenced by katabatic effects, due to cold air over Northern Scandinavia. There will be strong winds coming out of those fjords that are aligned with the wind
- Alt.2: Map out the Arctic front south of Spitzbergen, and its modulation by the orography of Spitzbergen, in particular associated with the southern tip

Mean Sea-Level Pressure

VT: Wed, 27 Feb 08, 12 UT (+36 h)

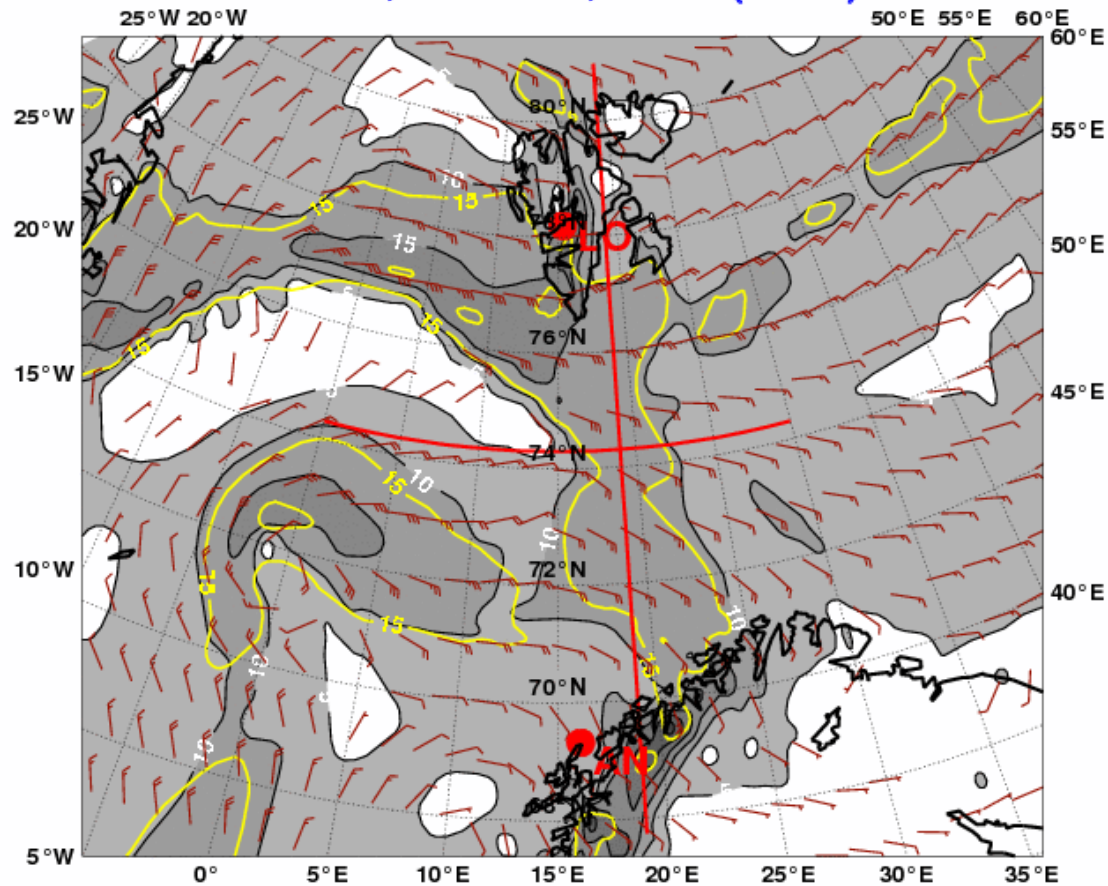


UKMO 36h forecast for Wed 12 UTC



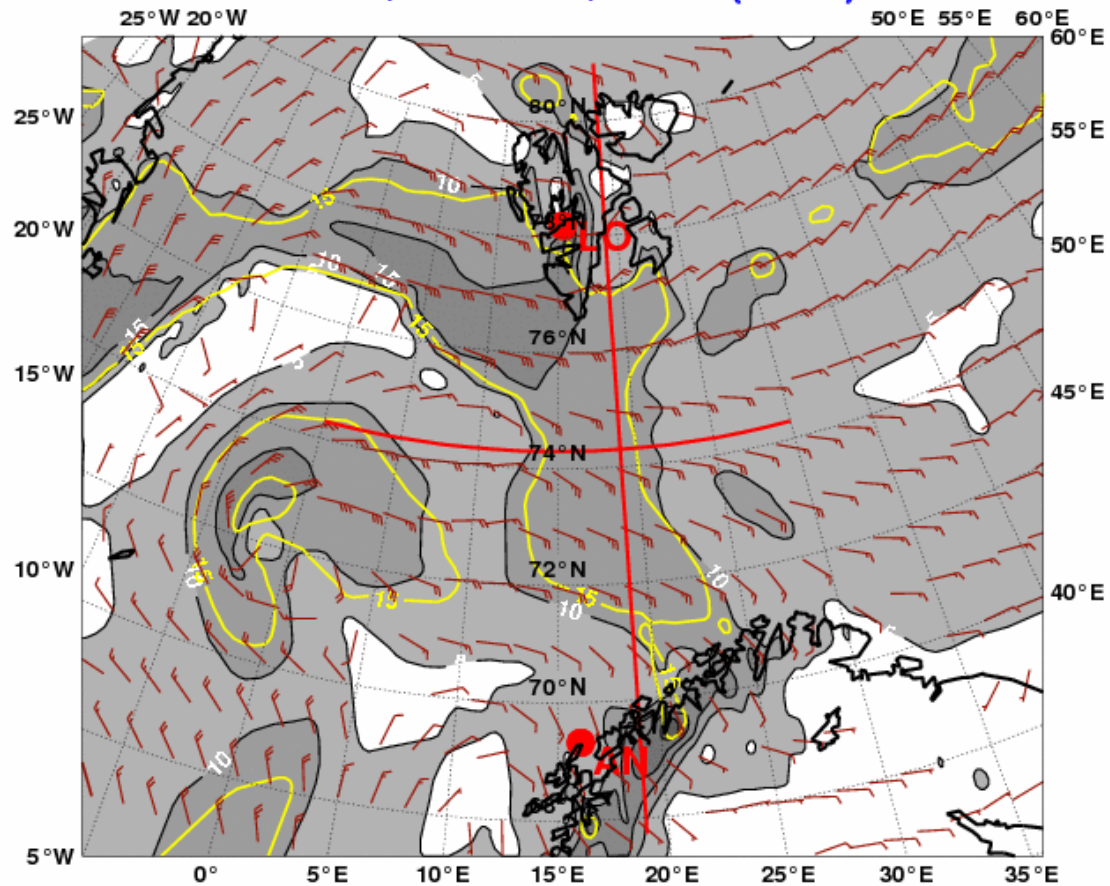
Near-surface winds at 09 UTC

VT: Wed, 27 Feb 08, 09 UT (+33 h)



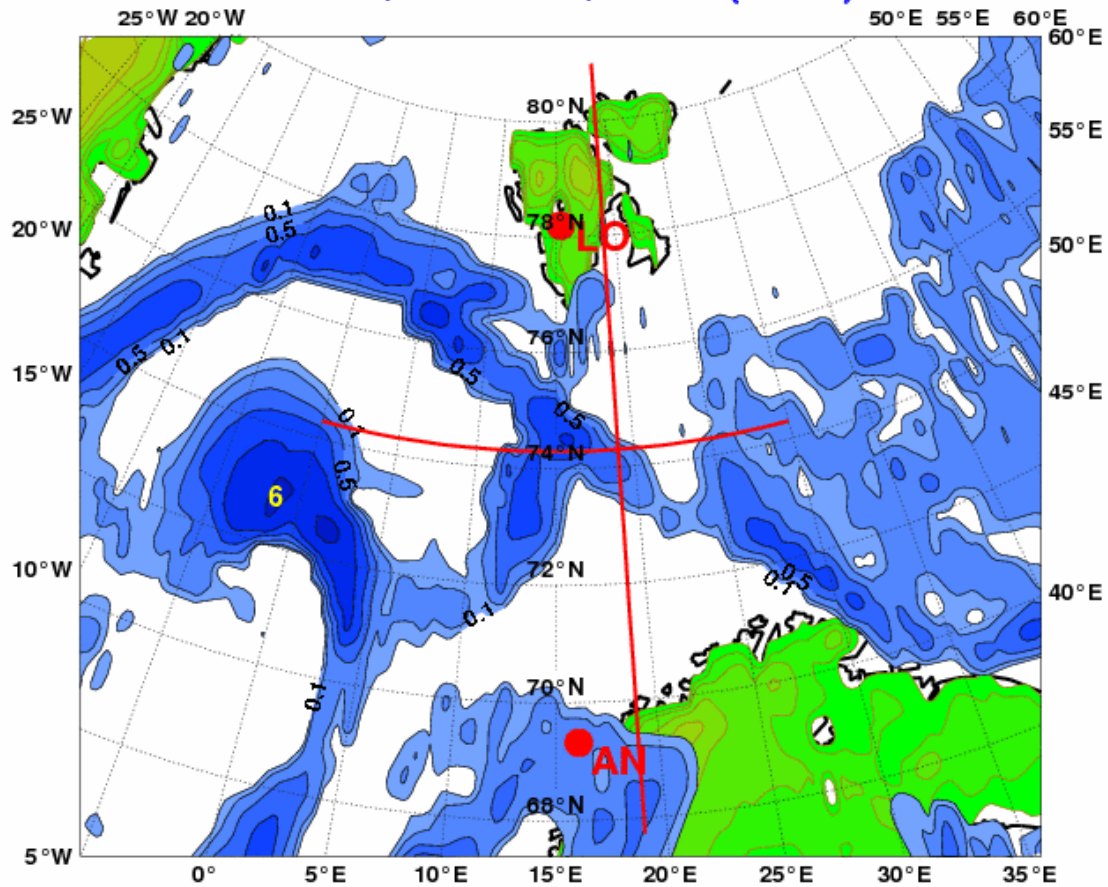
Near-surface winds at 12 UTC

VT: Wed, 27 Feb 08, 12 UT (+36 h)



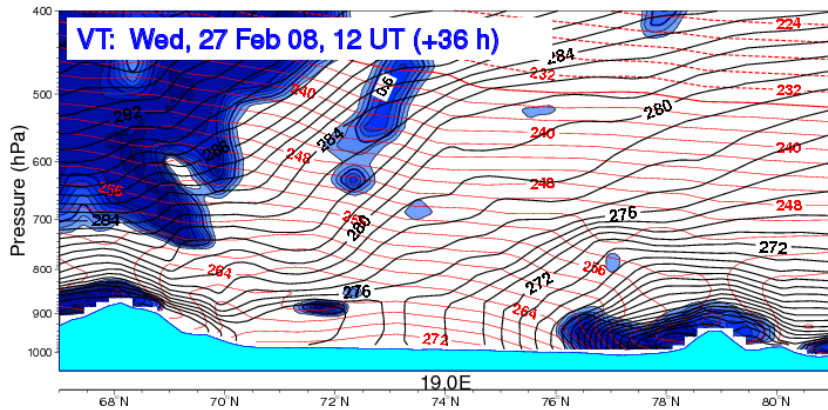
Total Precipitation

VT: Wed, 27 Feb 08, 12 UT (+36 h)

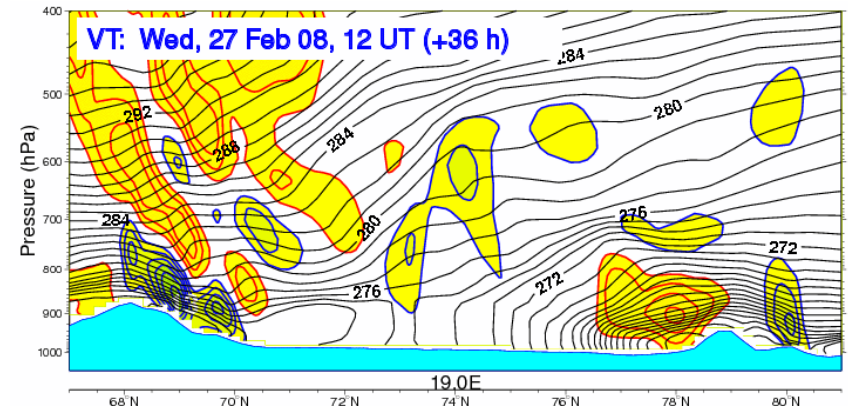


Cross Sections S-N

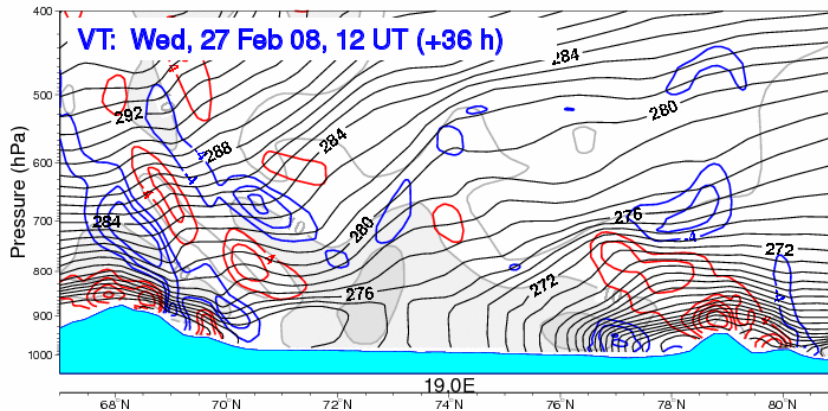
Potential Temperature and Cloud Cover



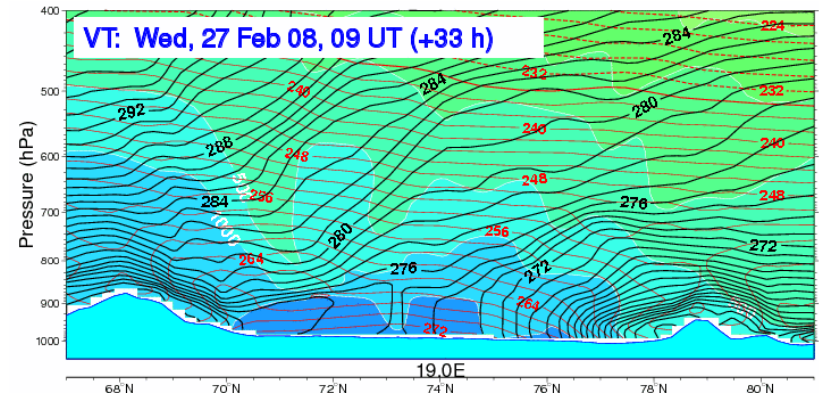
Potential Temperature and Vertical Velocity



Horizontal Divergence

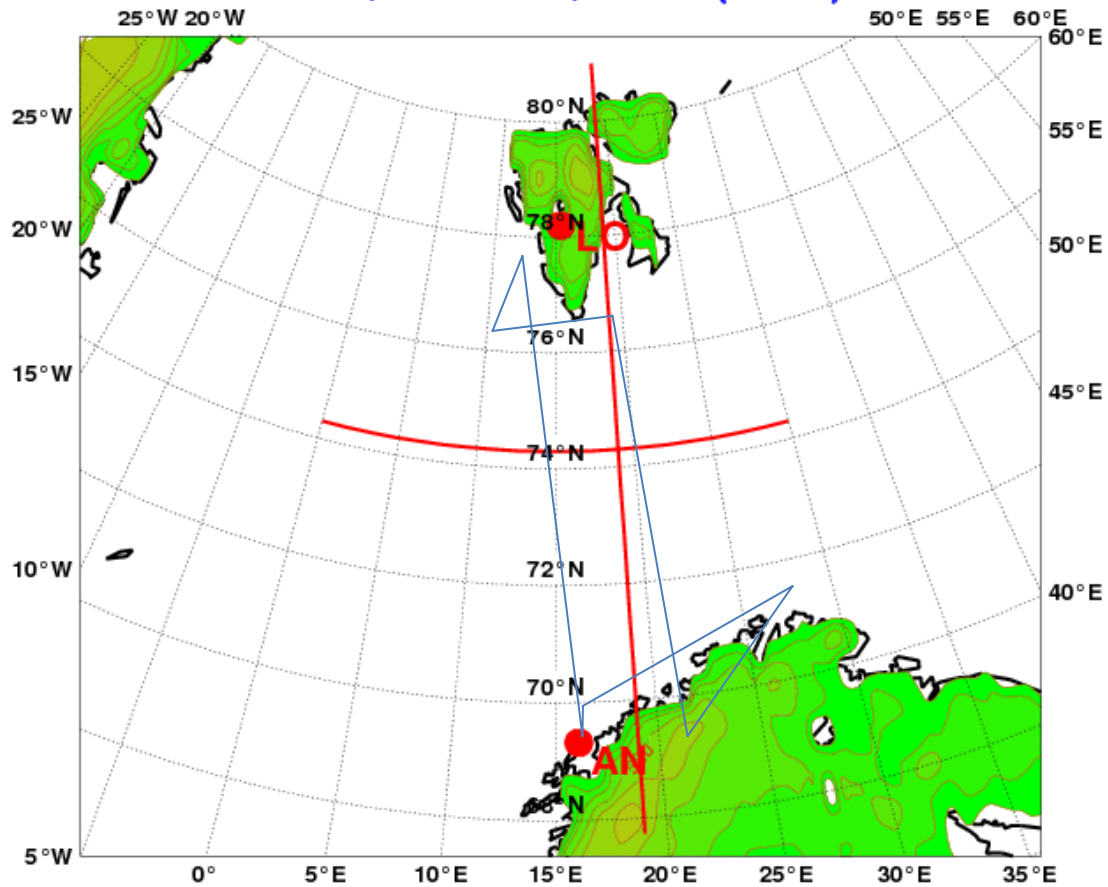


Specific Humidity

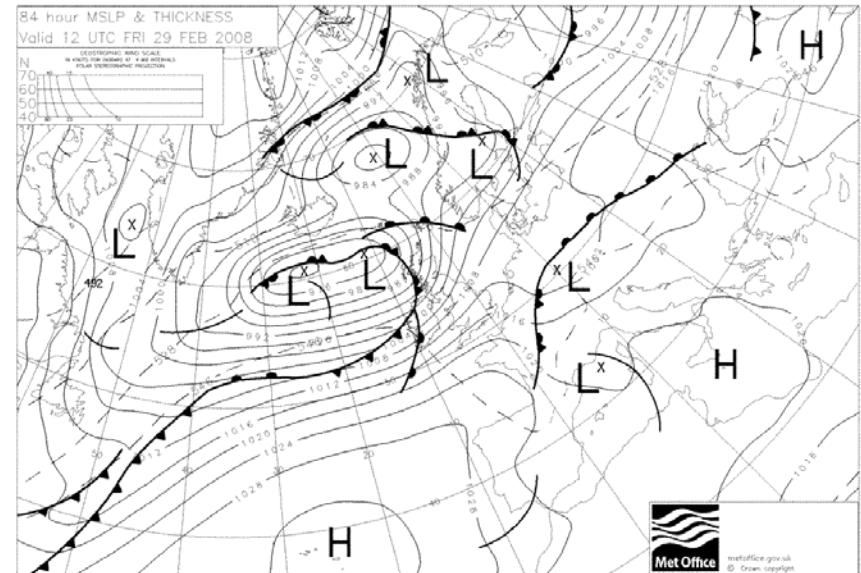
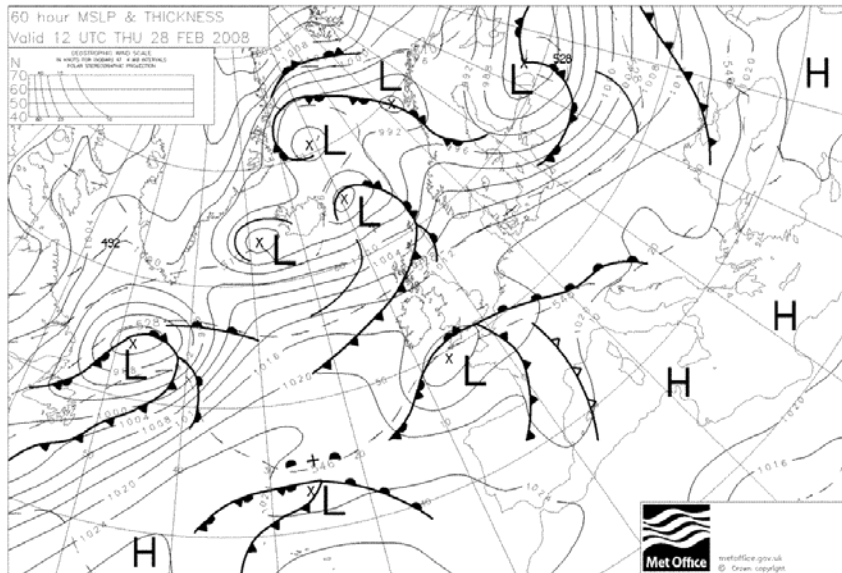


Suggested Flight Path

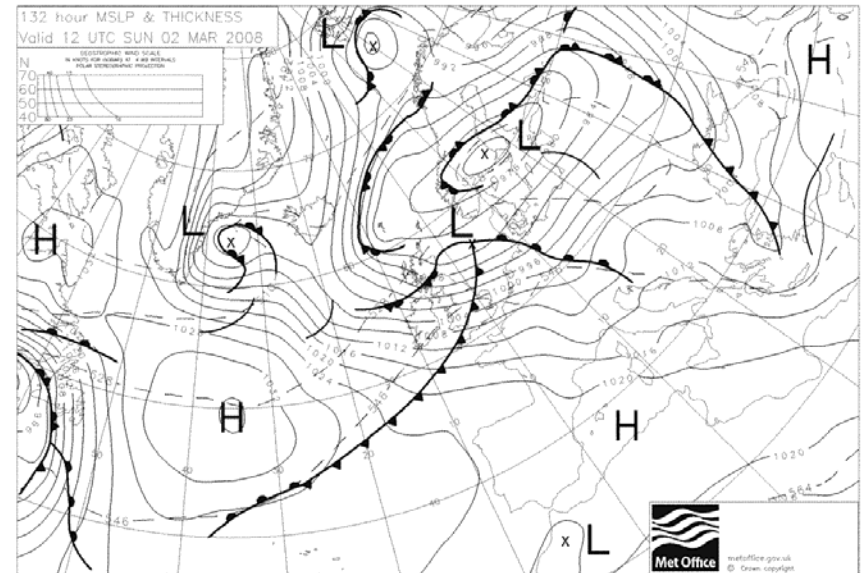
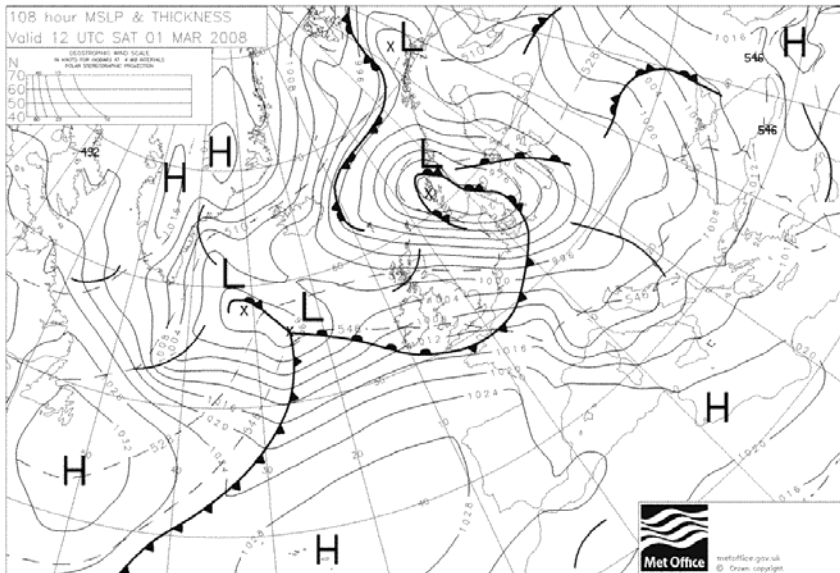
VT: Tue, 26 Feb 08, 00 UT (+00 h)



Outlook for 28 Feb – 29 Feb



Outlook for 1 Mar – 2 Mar



Equivalent Pot. Temperature 700 hPa

VT: Wed, 27 Feb 08, 12 UT (+36 h)

