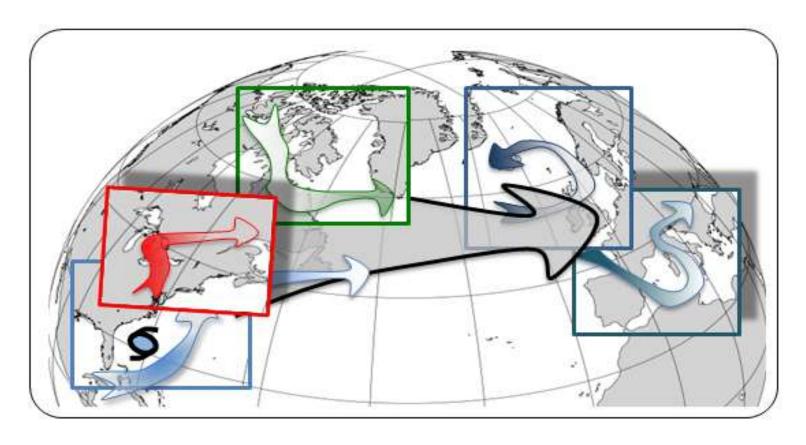
NAWDEX – Flight Planning Meeting

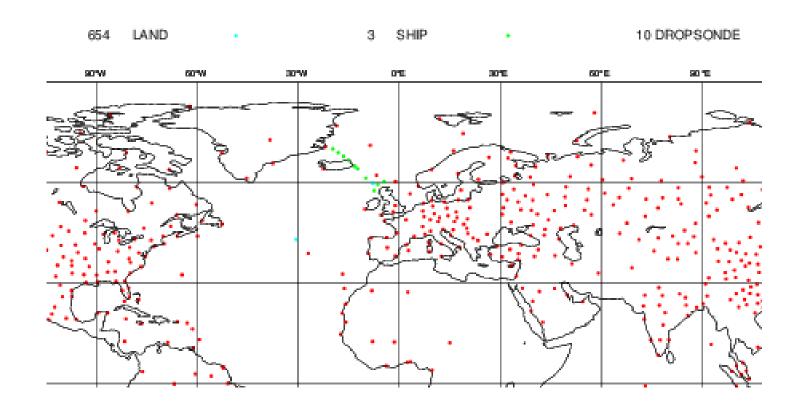
18 September 2016, Keflavik 15 UTC



Tasks and schedule

- Dropsondes yesterday
- Today's weather briefing
- Current situation
- Outlook Mo-Fr 19-23 Sep 2016
- Potential 1. mission Wednesday 21 Sep, 18 UTC
- Potential 2. mission Friday 23 Sep, 18 UTC
- Further outlook

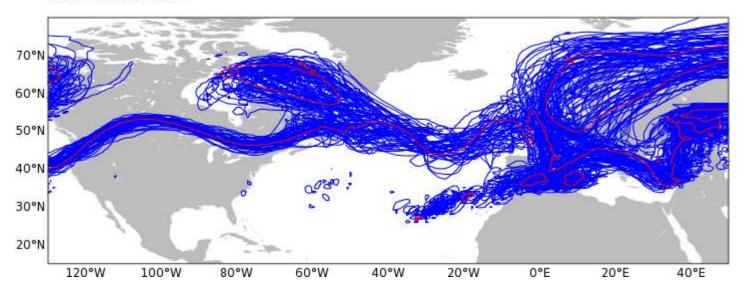
ECMWF Data Coverage (All obs DA) - Temp 17/Sep/2016; 12 UTC Total number of obs = 667



ECMWF ENSEMBLE FC

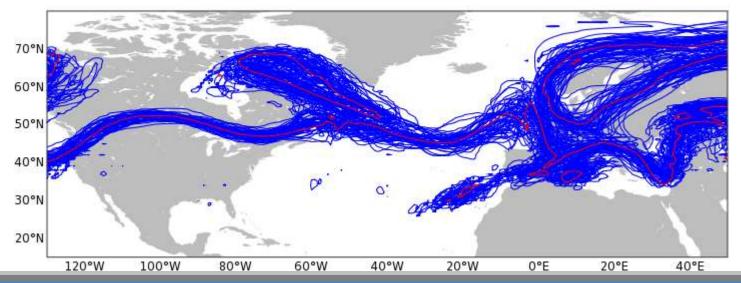
BT: 20160917 00UTC, VT: 20160921 00UTC

blue: perturbed, red: control

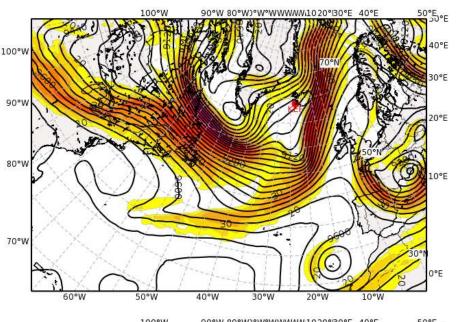


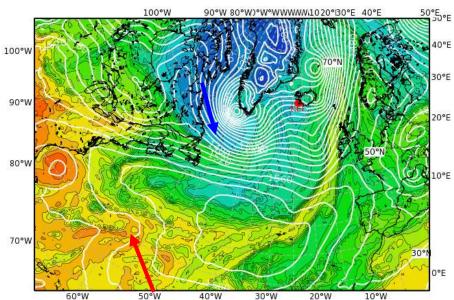
ECMWF ENSEMBLE FC

BT: 20160917 12UTC, VT: 20160921 00UTC



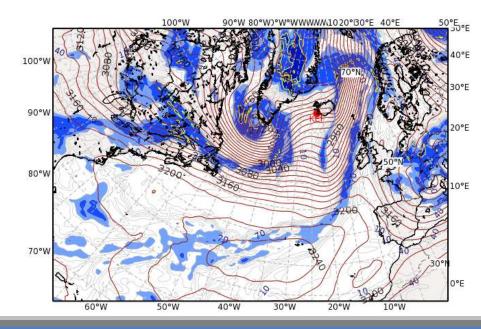
Analysis – 18 Sep 2016, 00 UTC



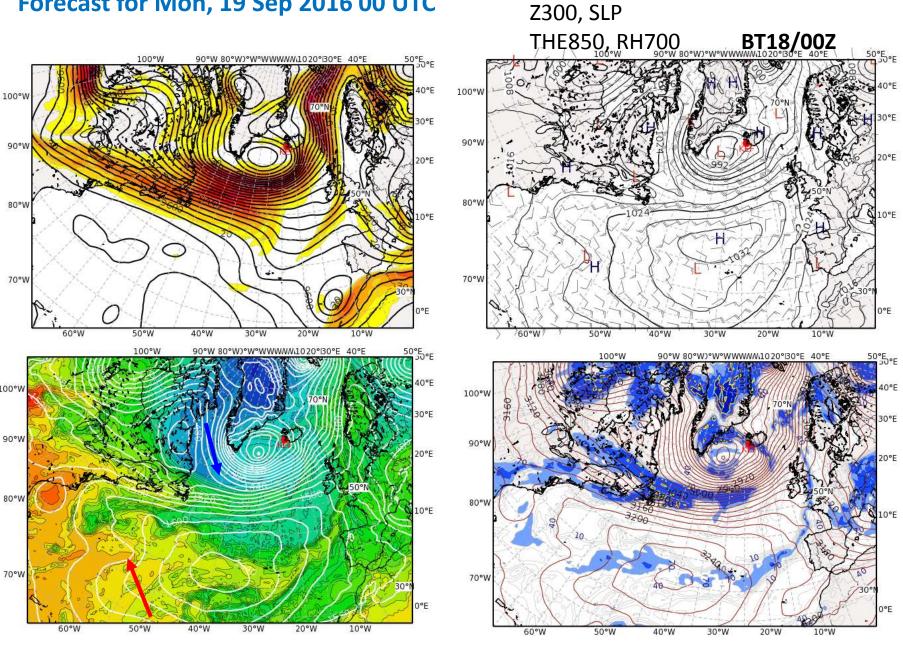


Z300, SAT THE850, RH700

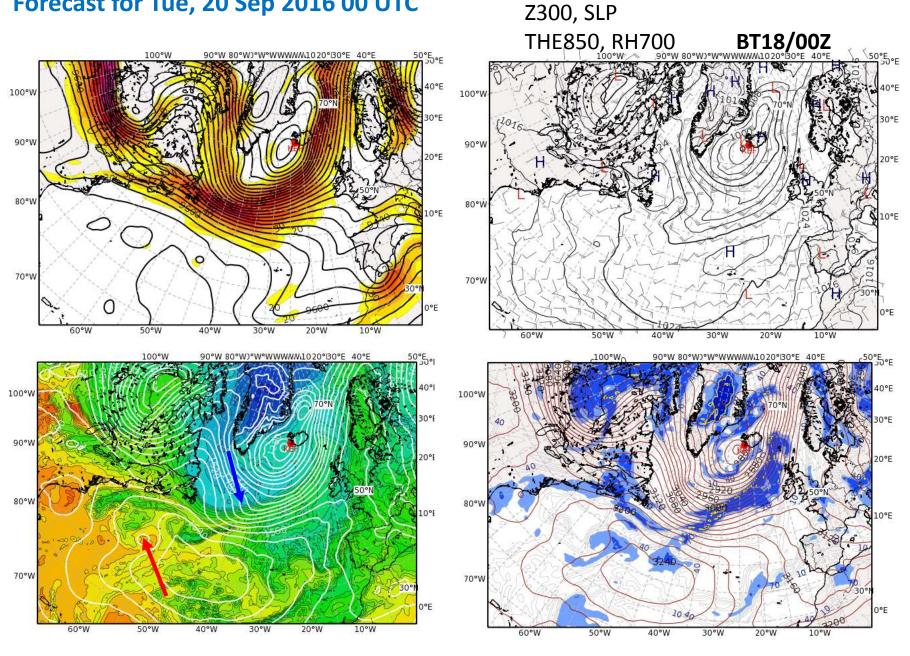




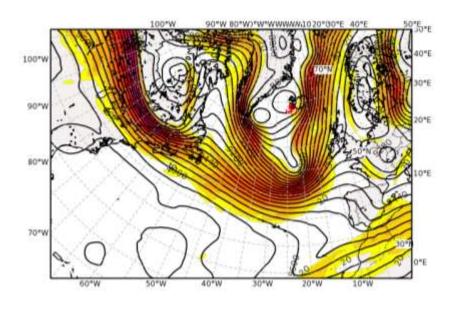
Forecast for Mon, 19 Sep 2016 00 UTC

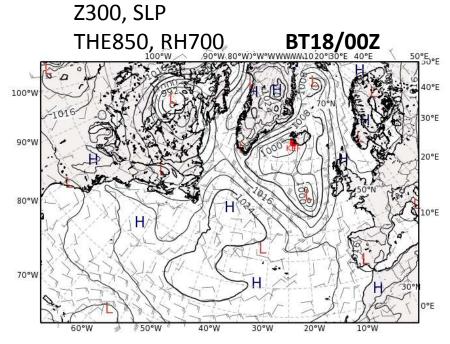


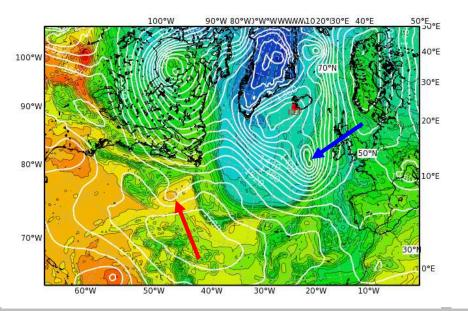
Forecast for Tue, 20 Sep 2016 00 UTC

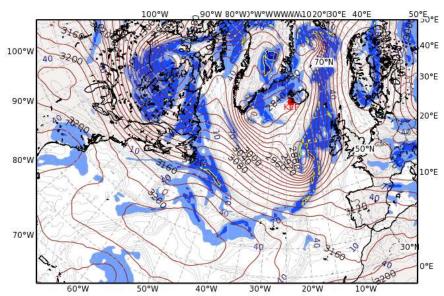


Forecast for Wed, 21 Sep 2016 00 UTC

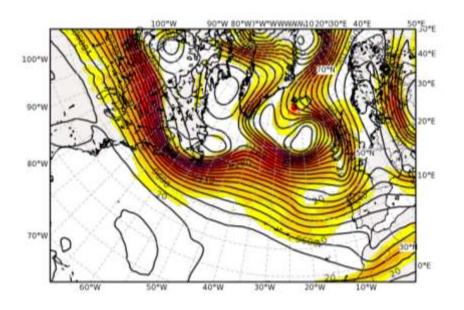


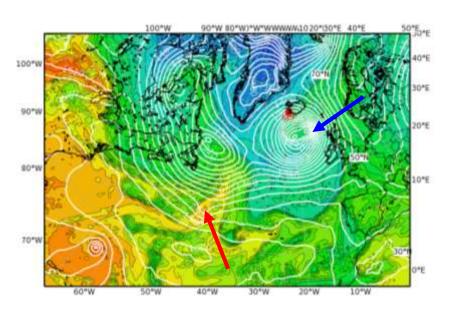


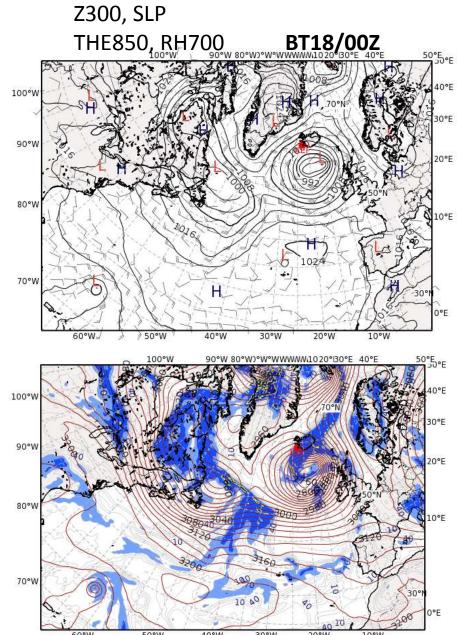




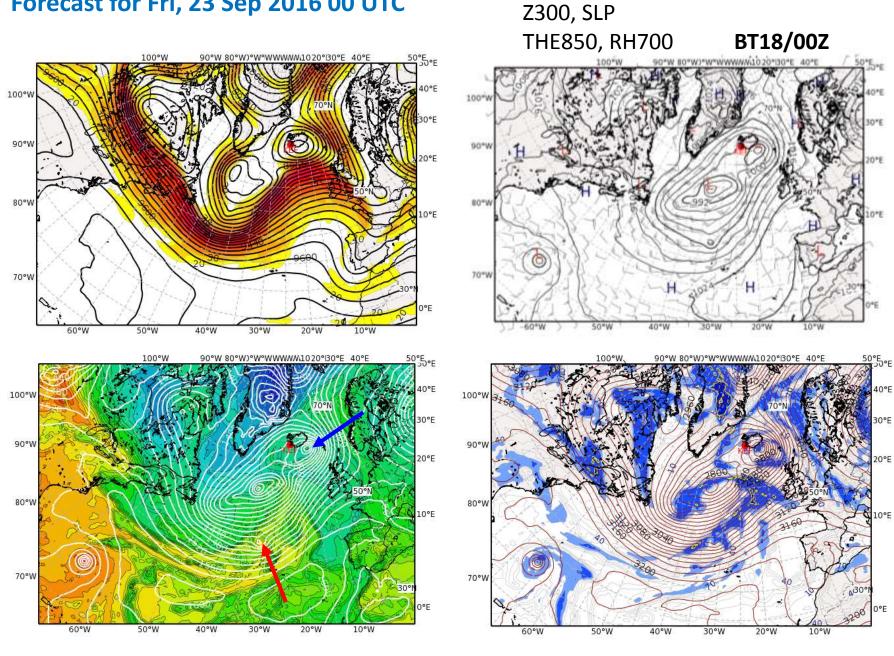
Forecast for Thu, 22 Sep 2016 00 UTC



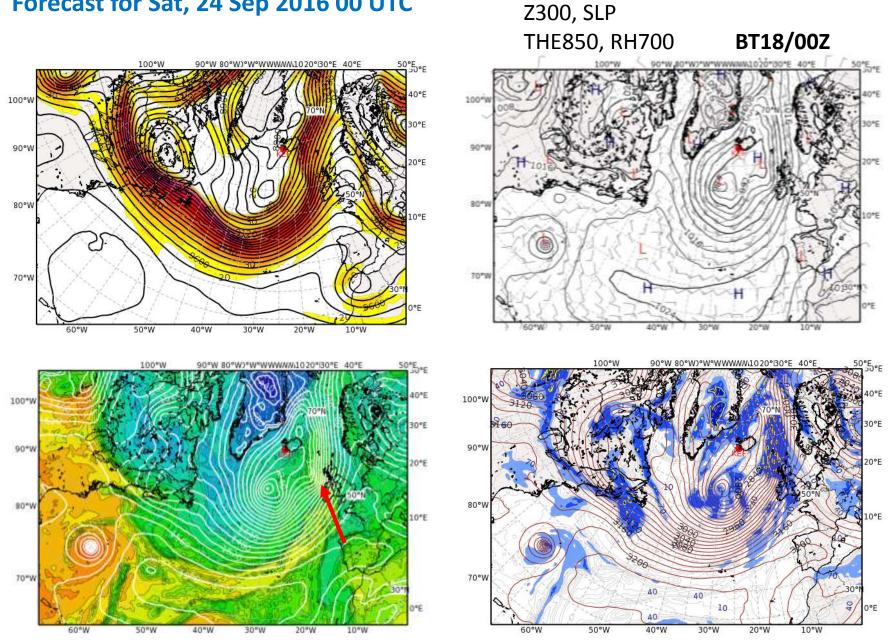




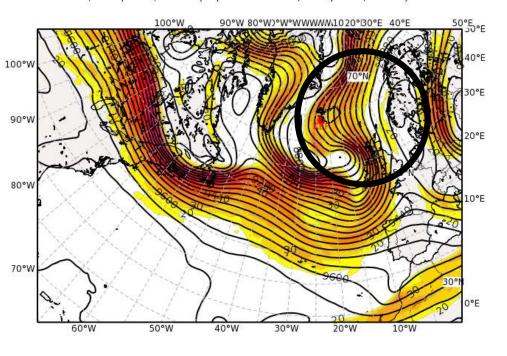
Forecast for Fri, 23 Sep 2016 00 UTC



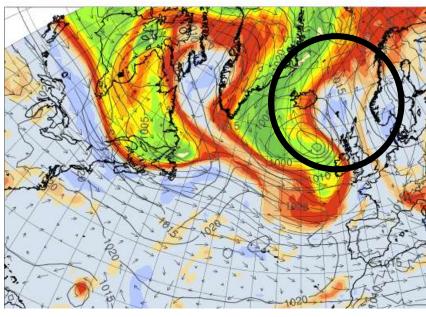
Forecast for Sat, 24 Sep 2016 00 UTC



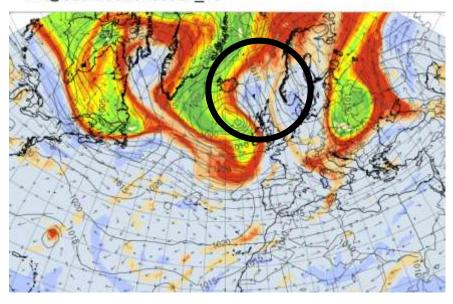
Geopotential Height (m) & Horizontal Wind (m/s) at 300 hPa Valid: Wed, 21 Sep 2016, 18 UTC (step 090 h from Sun, 18 Sep 2016, 00 UTC)

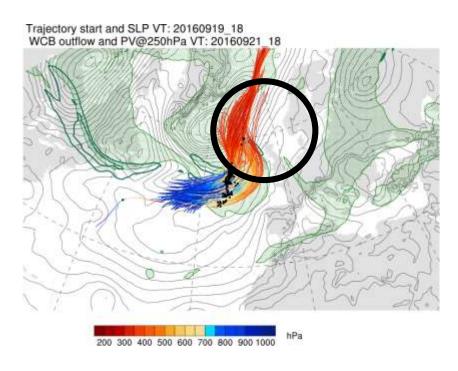


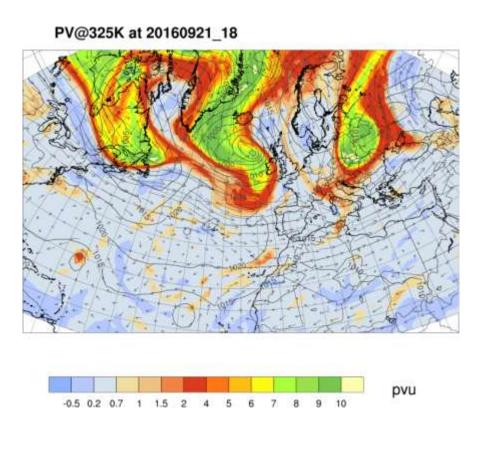
PV@325K at 20160921_18

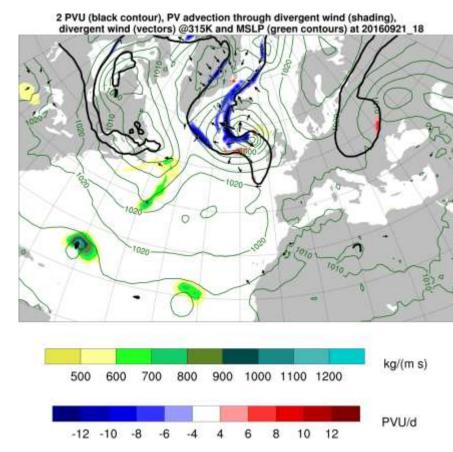


PV@325K at 20160921_18

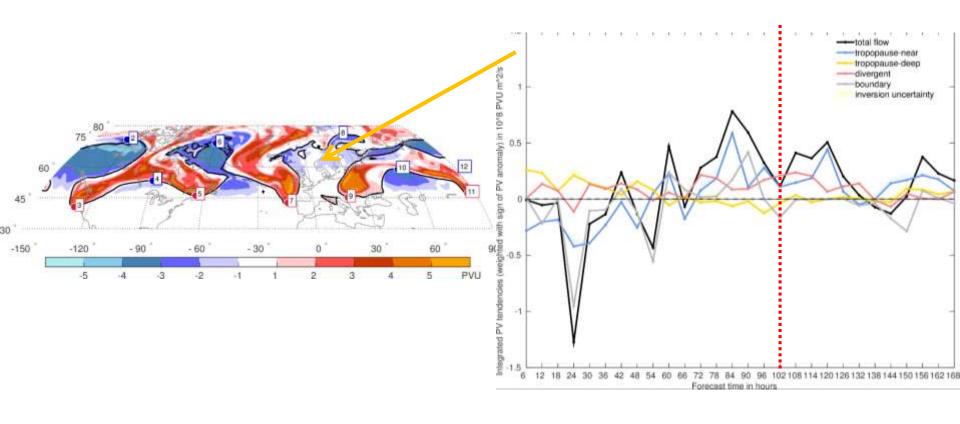








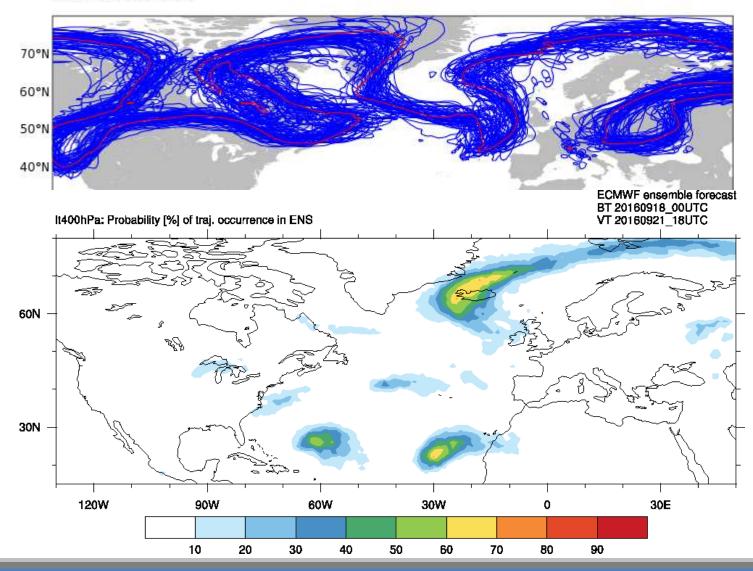
Rossby wave diagnostics for Wed, 21 Sep 18UTC



BT17/12Z

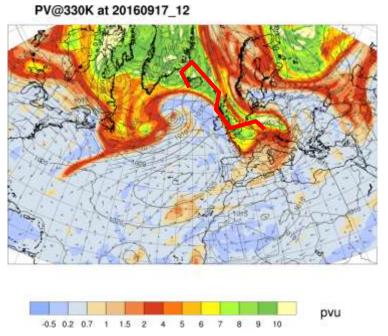
Forecast for Wed, 21 Sep 2016 18 UTC

ECMWF ENSEMBLE FC BT: 20160918 00UTC, VT: 20160921 18UTC blue: perturbed, red: control

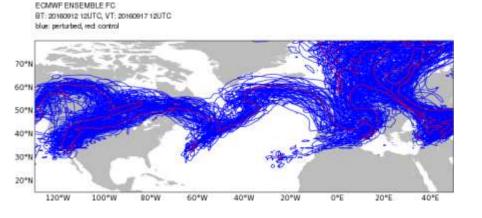


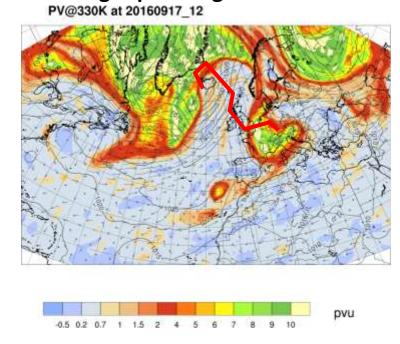
The challenge of NAWDEX flight planning

ECMWF ENSEMBLE FC

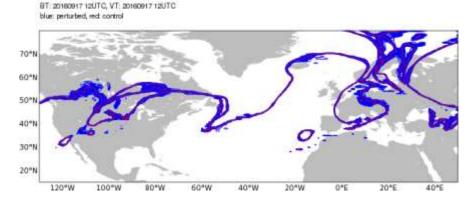


BT20160912_12 +120h forecast (5day)





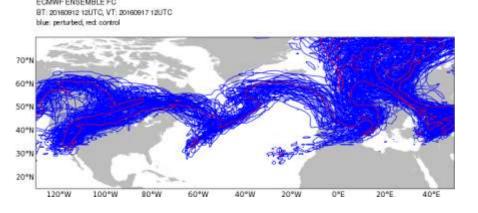
Verifying analysis



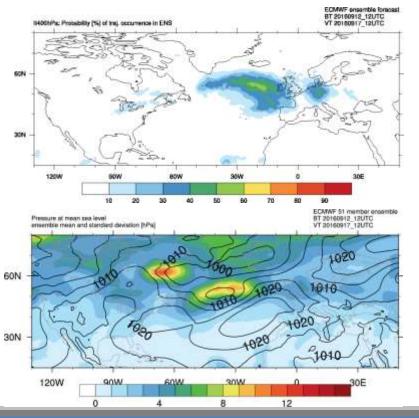
The challenge of NAWDEX flight plahlothfor Mon 11 UTC meeting

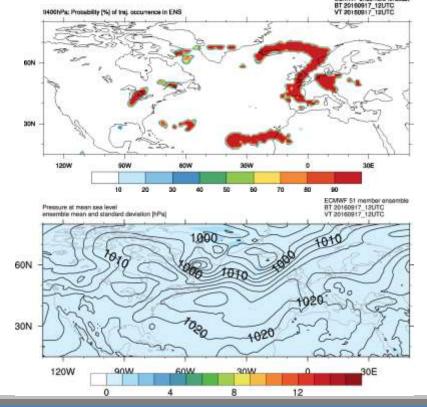
BT20160912_12 +120h forecast (5day)

Verifying analysis



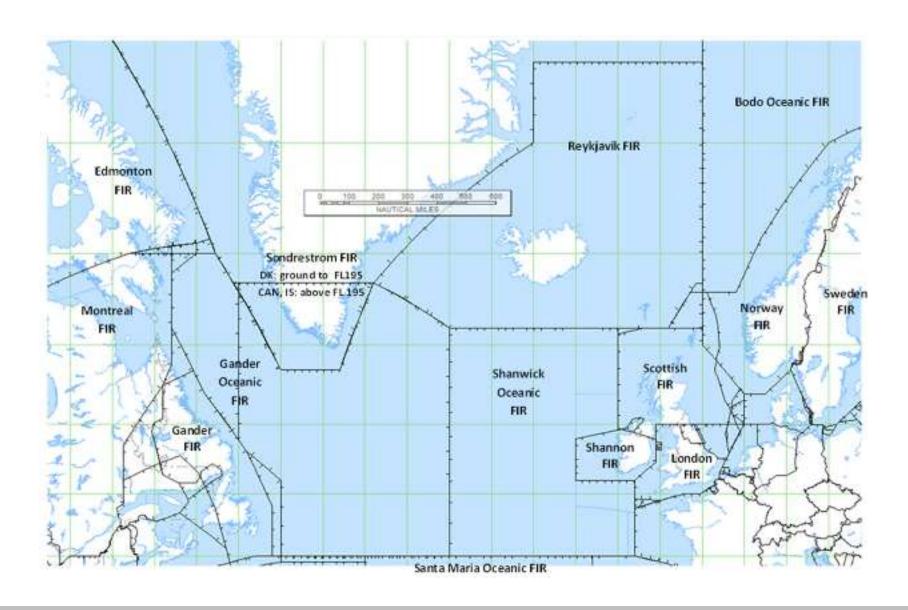




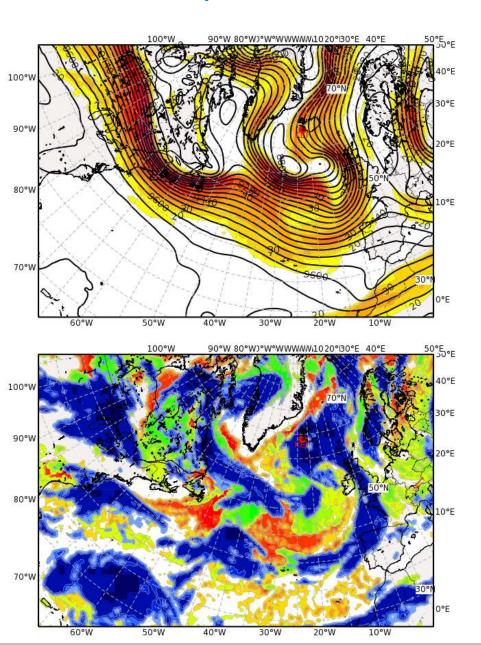


ECMWF ensemble forecast.

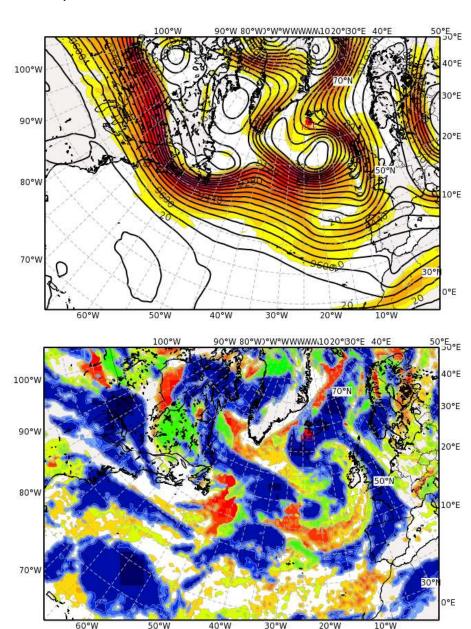
Air spaces (potential flight route for Wednesday 21/12Z)



Forecast – 21 Sep 2016, 18 - 00 UTC



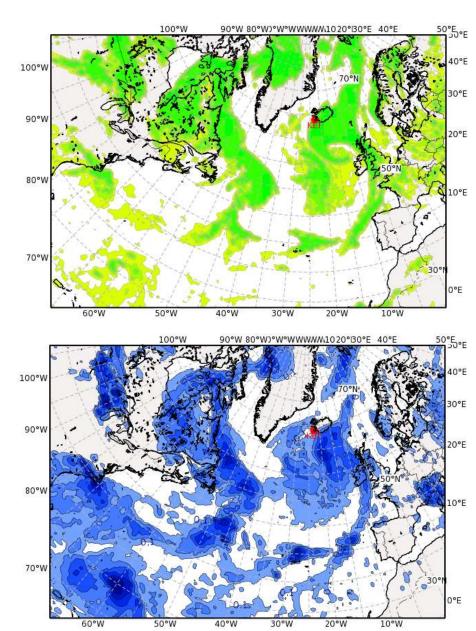
Z300, Total cloud cover

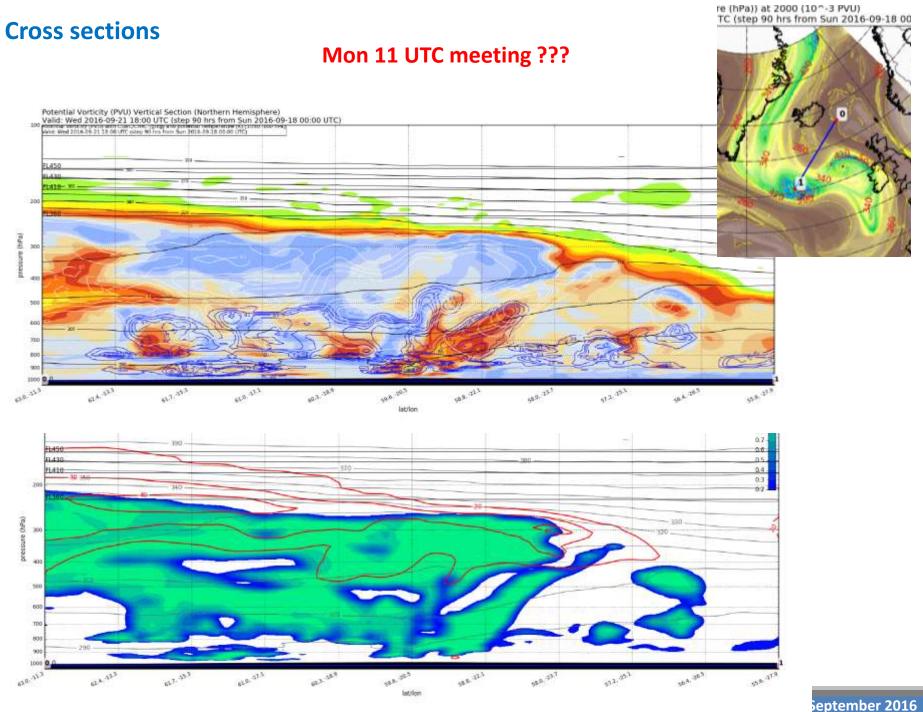


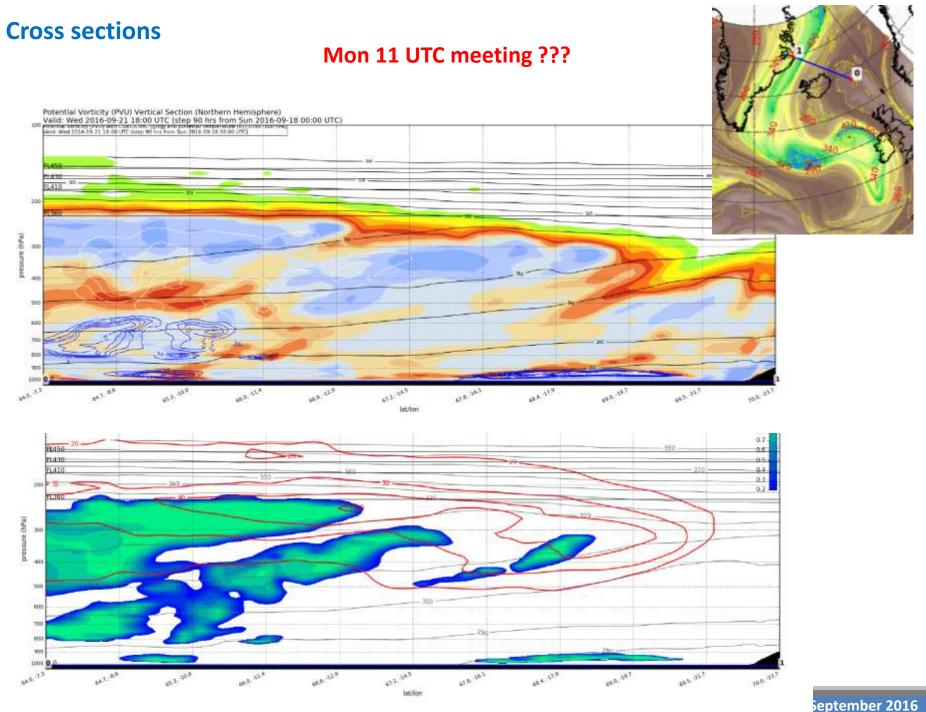
Forecast – 21 Sep 2016, 18 UTC

90°W 80°W)°W°WWWW\1020°B0°E 40°E 40°W 30°W 20°W 90°W 80°W)°W°WWWWW1020°B0°E 40°E 100°W 90°W 70°W

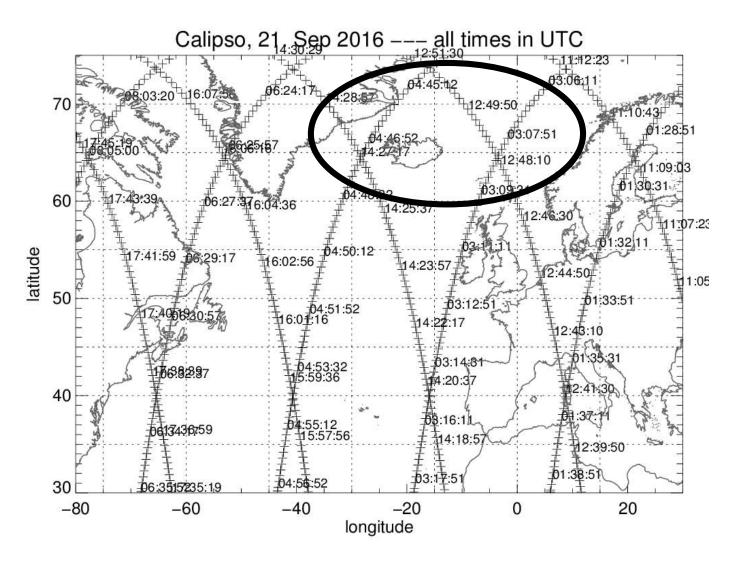
High, mid, low clouds, precip





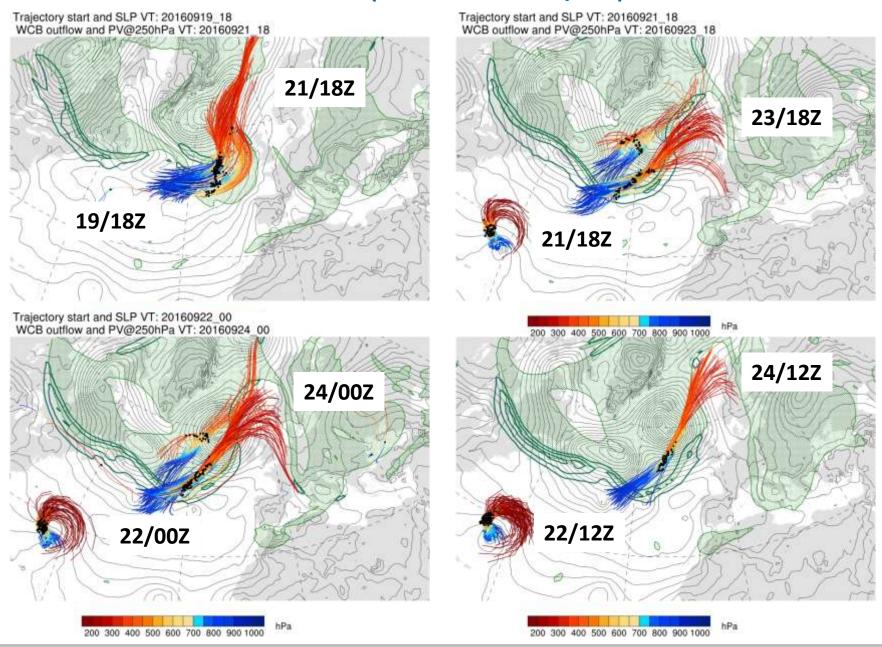


A-Train overpass: not at right time and place

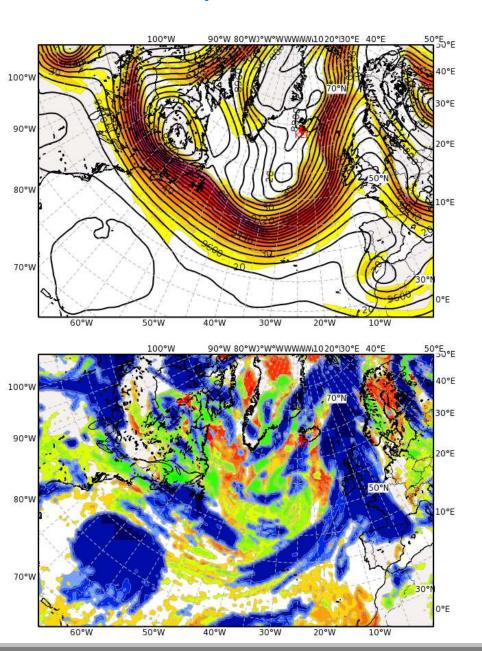


14.27 west of Iceland

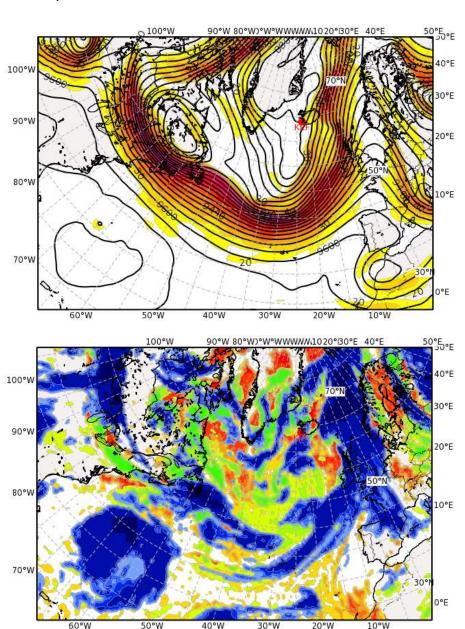
Simultanous WCB inflow mission? (based EC Hres 18/00Z) Mon 11 UTC meeting ???



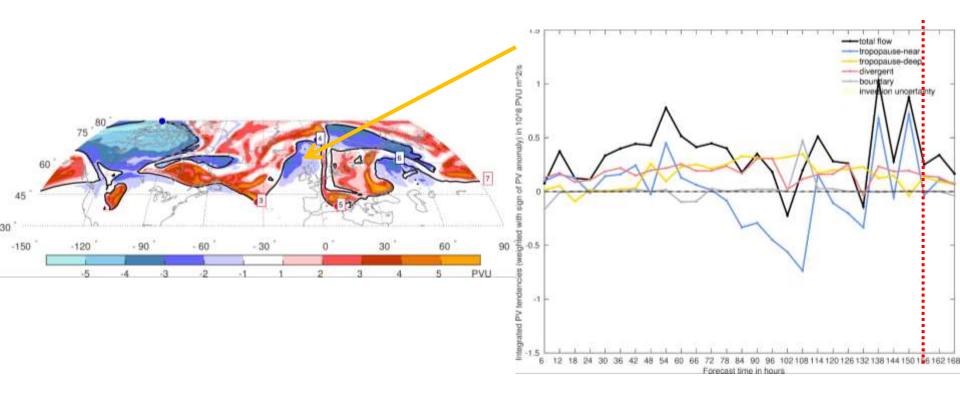
Forecast - 24 Sep 2016, 00 - 06 UTC



Z300, Total cloud cover

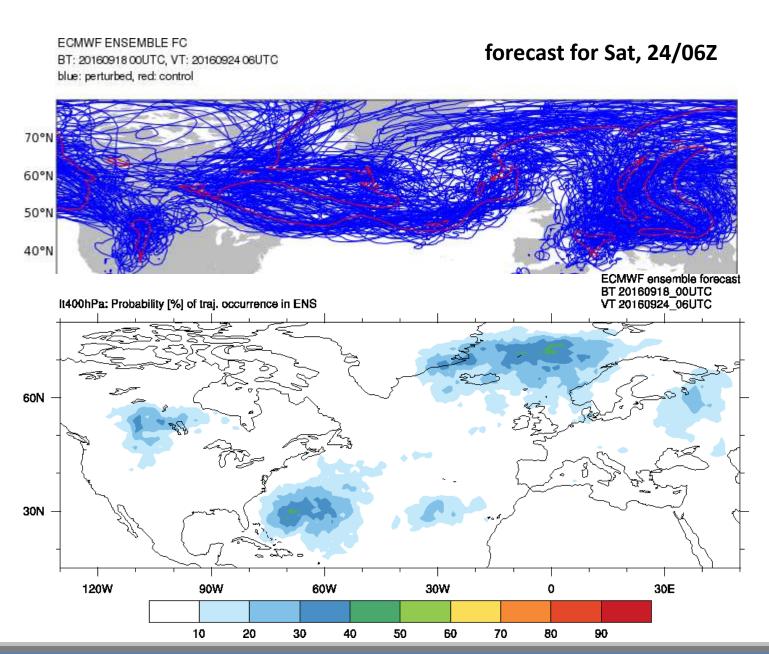


Rossby wave diagnostics for Sat, 24 Sep 00UTC



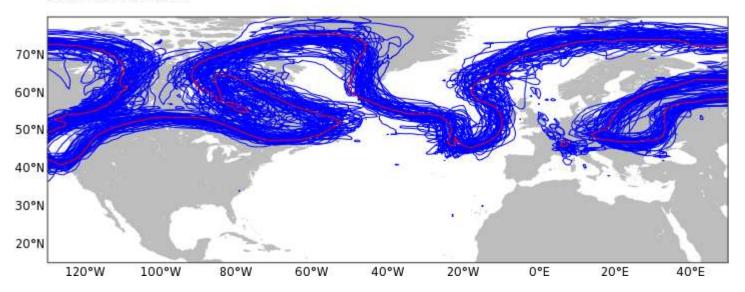
BT17/12Z

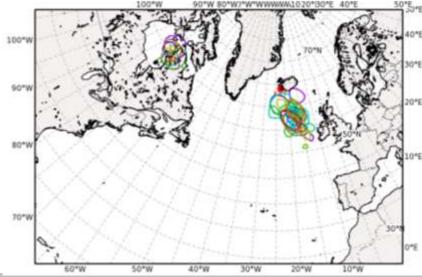
Forecast for Sat 24 Sep 2016 06 UTC



ECMWF ENSEMBLE FC

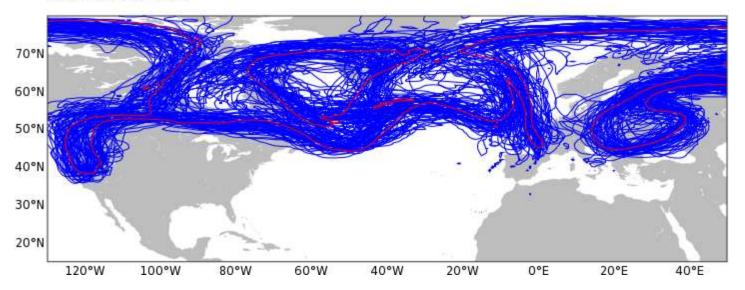
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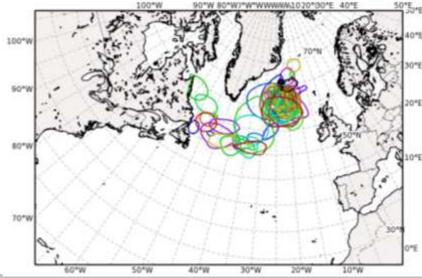




ECMWF ENSEMBLE FC

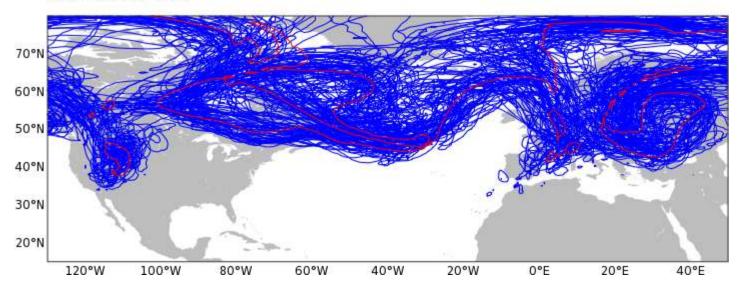
BT: 20160918 00UTC, VT: 20160922 12UTC

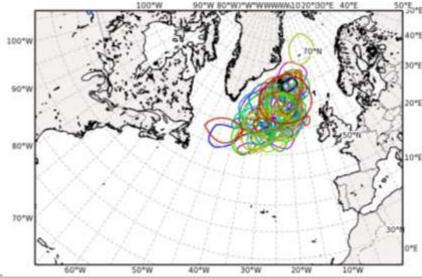




ECMWF ENSEMBLE FC

BT: 20160918 00UTC, VT: 20160923 12UTC





ECMWF ENSEMBLE FC

BT: 20160918 00UTC, VT: 20160924 12UTC

