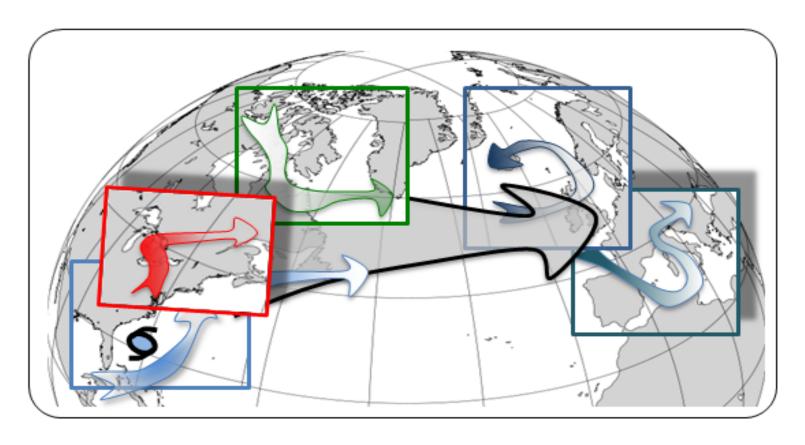
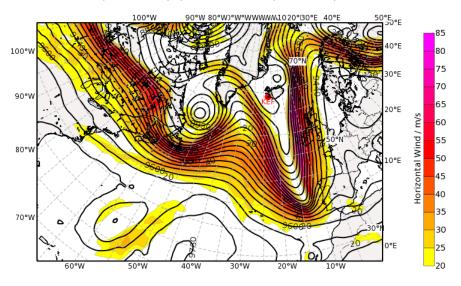
NAWDEX – Flight Planning Meeting

13 September 2016

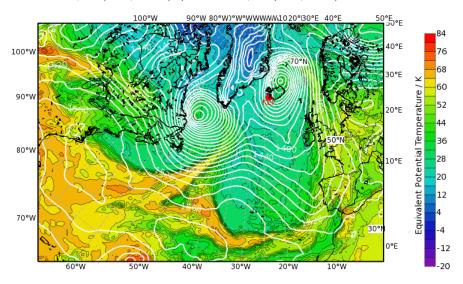


Analysis – 13 Sep 2016, 00 UTC

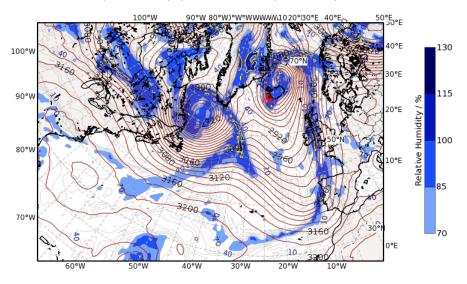
Geopotential Height (m) & Horizontal Wind (m/s) at 300 hPa Valid: Tue, 13 Sep 2016, 00 UTC (step 000 h from Tue, 13 Sep 2016, 00 UTC)

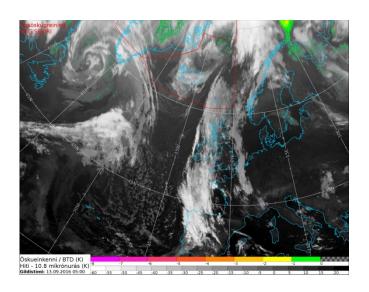


Equivalent Potential Temperature (degC) & Streamlines at 850 hPa Valid: Tue, 13 Sep 2016, 00 UTC (step 000 h from Tue, 13 Sep 2016, 00 UTC)



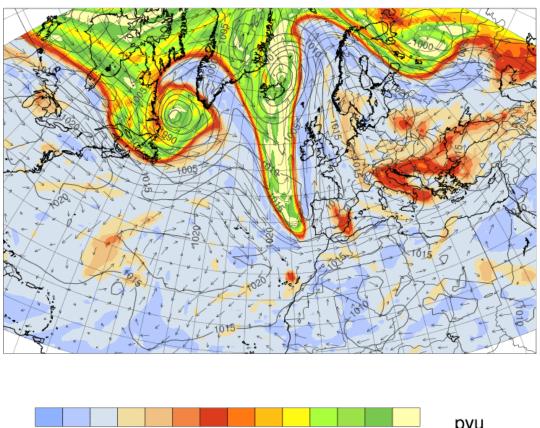
Relative Humidity (%) and Z (m) at 700 hPa Valid: Tue, 13 Sep 2016, 00 UTC (step 000 h from Tue, 13 Sep 2016, 00 UTC)





Analysis – 13 Sep 2016, 00 UTC

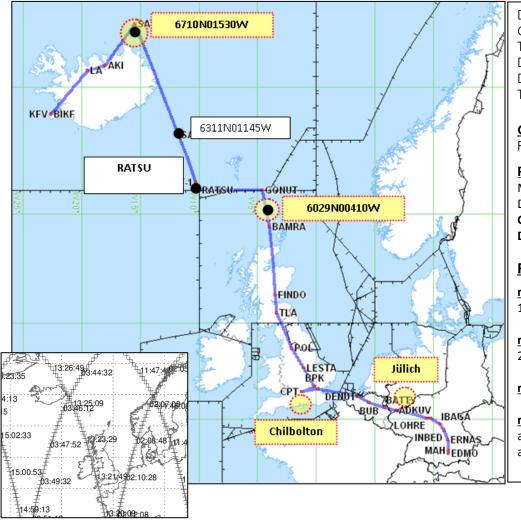






Tasks & schedule

- Decision on overflights Jülich/Chilbolton → only high clouds predicted
- Outlook on Saturday and Monday



Date of flight:

Callsign:

Type of Aircraft:

Departure Aerodrome:

Destination Aerodrome:

Takeoff Time:

Date of flight:

15-Sep-2016

D-ADLR

G550

EDMO

BIKF

0900 UTC

Cruising-Level:

FL410

Planned Routing:

MAH UM726 ERNAS Y101 OSBIT UL984 LOHRE UL610 BATTY UL608
DENUT UL610 LAM UL179 CPT UQ295 BPK UN601 TLA UL613 DCT
GONUT DCT 6053N01000W DCT 6311N01145W DCT 6710N01530W
DCT AKI G1 KFV

Remarks:

<u>req. 2 "Holding Patterns" ovhd "Jülich"</u> at <u>FL410</u> - dimensions: \sim 25 x 12 NM (see figure on next page)

req. 2 "Holding Patterns" ovhd "Chilbolton" at FL410 - dimensions: ~ 25 x 12 NM (see figure on next page)

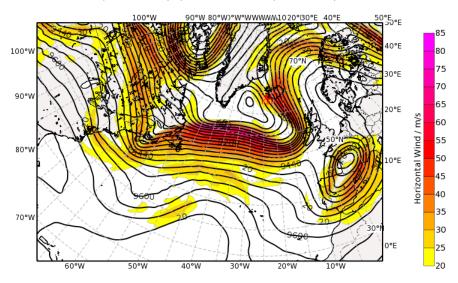
req. 1 Circle (360°) @ 6029N 00410W at FL410 , duration 10 min

req. to operate @ position 6710N 01530W

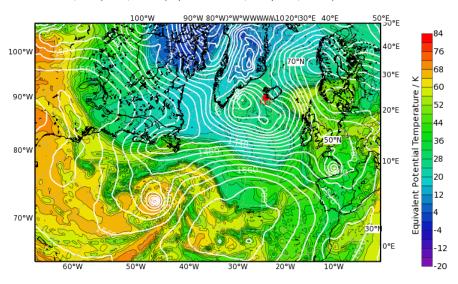
at <u>FL410</u> for 20 min and <u>drop of 1 Meteorological Probe</u>

at <u>FL300</u> for 10 min /at <u>FL200</u> for 10 min

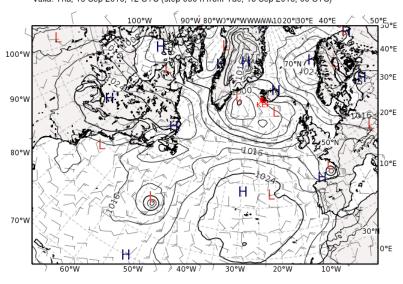
Geopotential Height (m) & Horizontal Wind (m/s) at 300 hPa Valid: Thu, 15 Sep 2016, 12 UTC (step 060 h from Tue, 13 Sep 2016, 00 UTC)



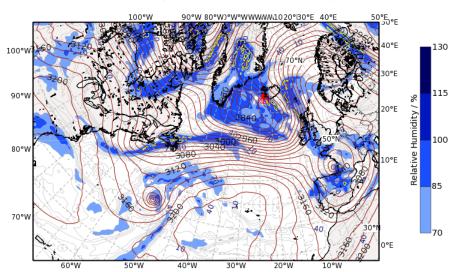
Equivalent Potential Temperature (degC) & Streamlines at 850 hPa Valid: Thu, 15 Sep 2016, 12 UTC (step 060 h from Tue, 13 Sep 2016, 00 UTC)

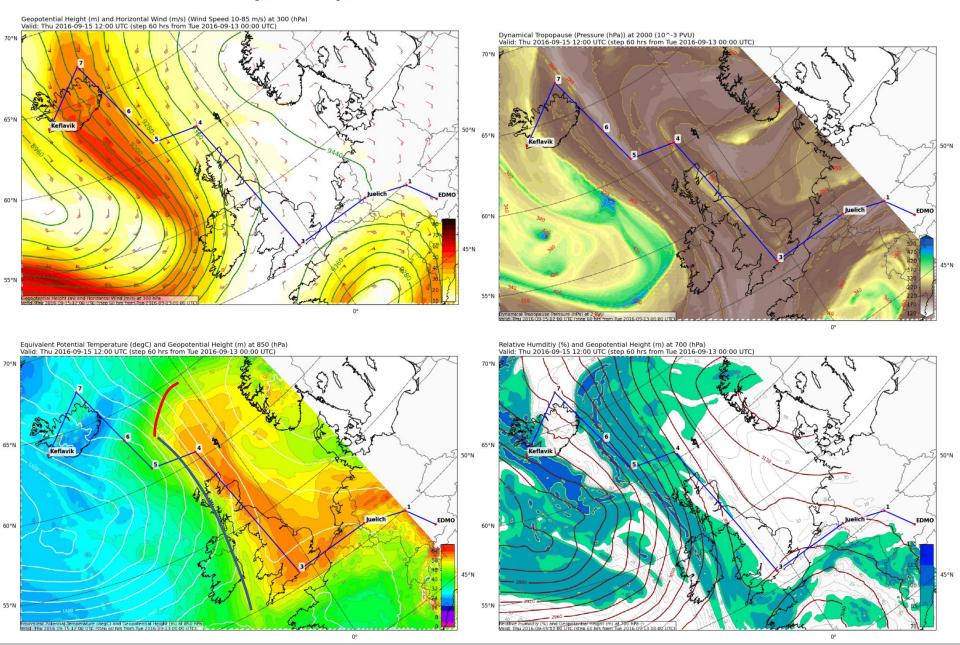


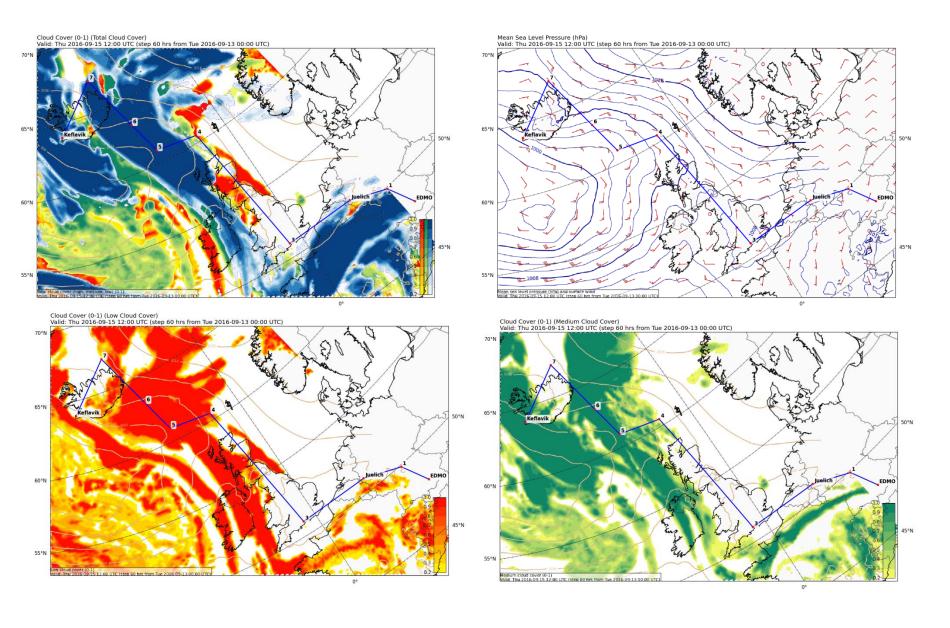
Mean Sea Level Pressure (hPa)
Valid: Thu, 15 Sep 2016, 12 UTC (step 060 h from Tue, 13 Sep 2016, 00 UTC)

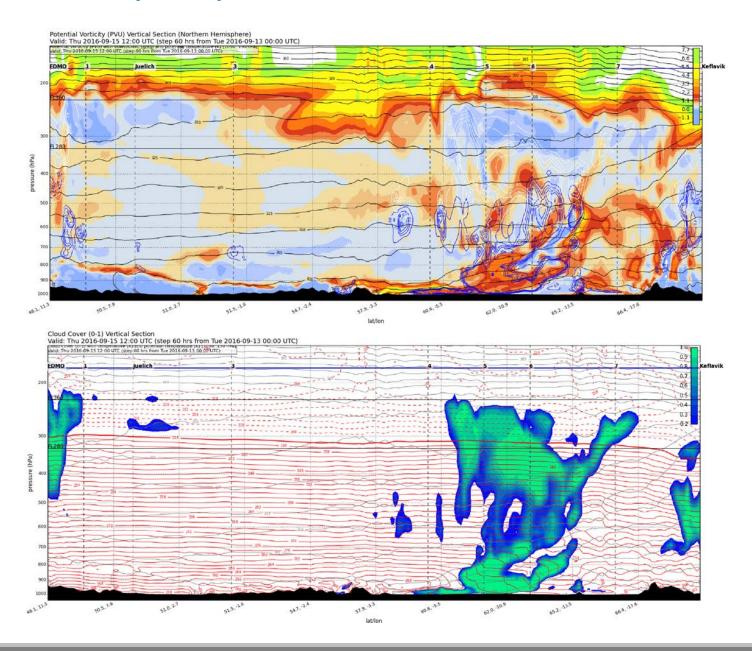


Relative Humidity (%) and Z (m) at 700 hPa Valid: Thu, 15 Sep 2016, 12 UTC (step 060 h from Tue, 13 Sep 2016, 00 UTC)

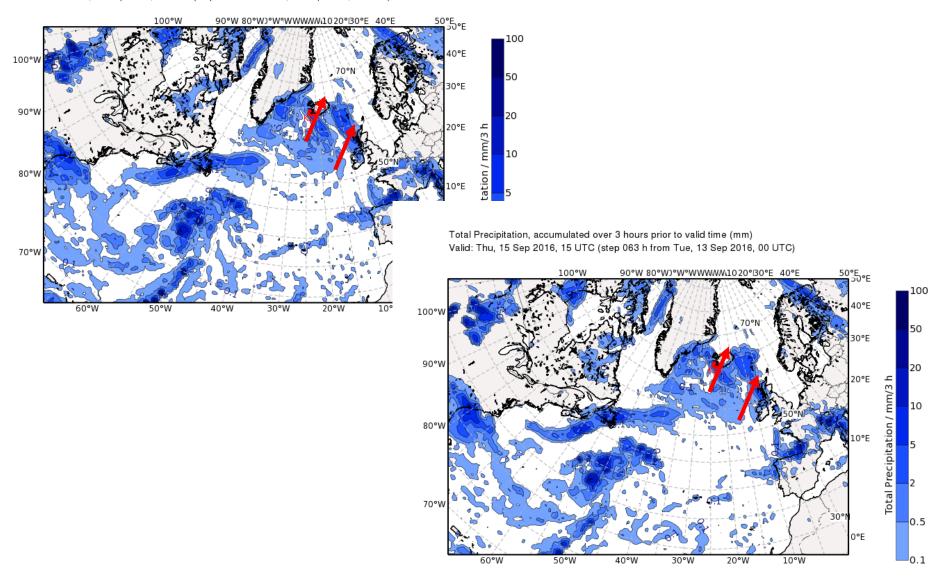








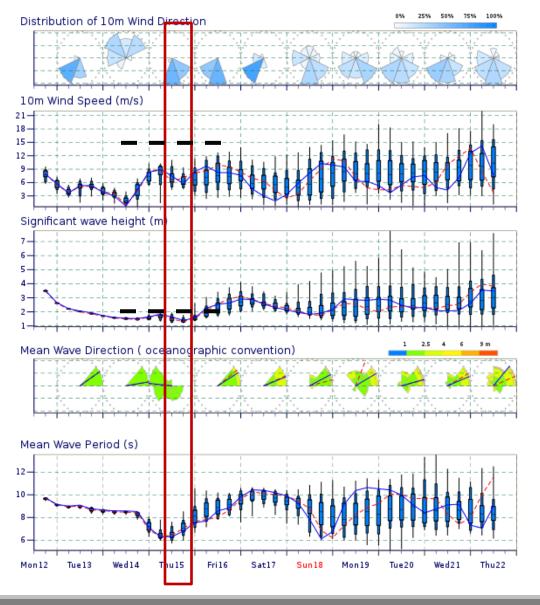
Total Precipitation, accumulated over 3 hours prior to valid time (mm)
Valid: Thu, 15 Sep 2016, 12 UTC (step 060 h from Tue, 13 Sep 2016, 00 UTC)



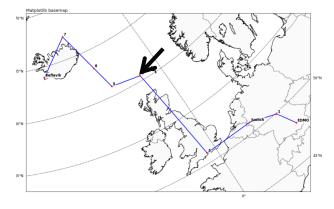
Wave ENSgram

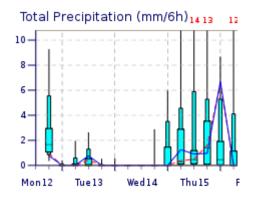
60.52°N 4.21°W (ENS sea point)

High resolution forecast and ENS distribution Monday 12 September 2016 12 UTC



ECMWF ENS Meteogram For K7 Buoy

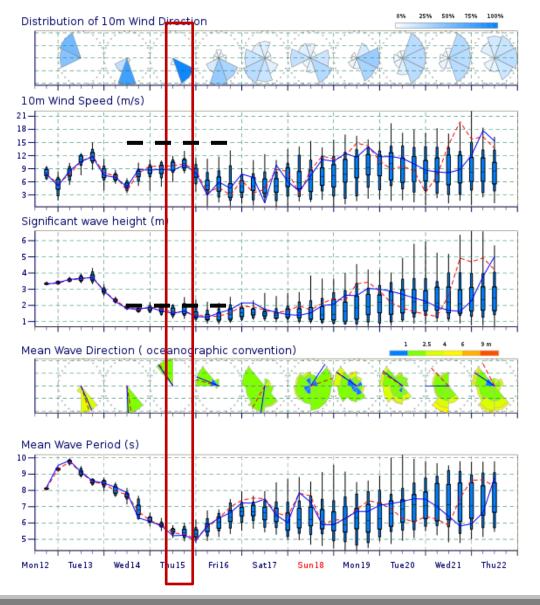




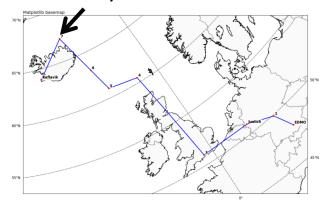
Wave ENSgram

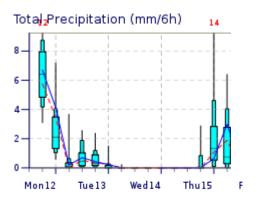
67.12°N 15.63°W (ENS sea point)

High resolution forecast and ENS distribution Monday 12 September 2016 12 UTC



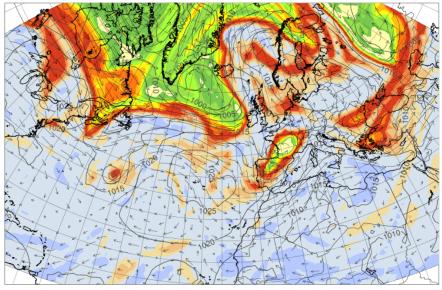
ECMWF ENS Meteogram For K7 Buoy



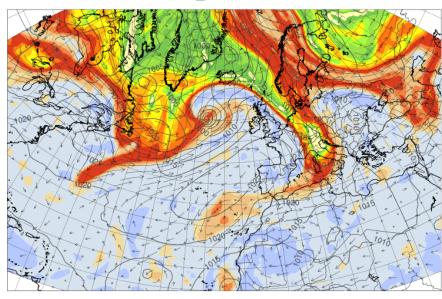


Forecast until Saturday, 17 Sep 2016, 12 UTC

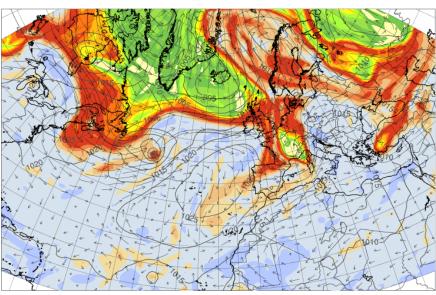
PV@330K at 20160915_12



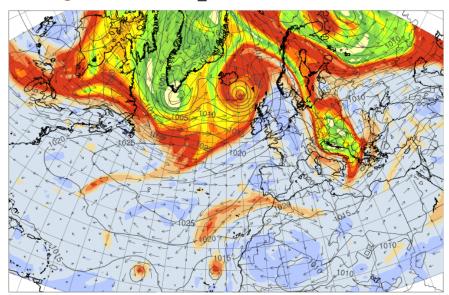
PV@330K at 20160917_12



PV@330K at 20160916_12

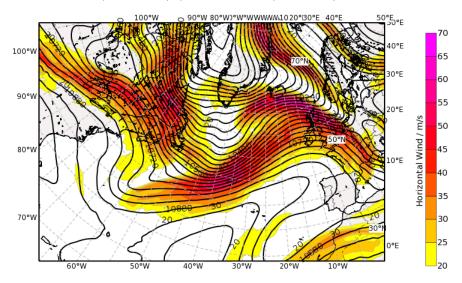


PV@330K at 20160918_12

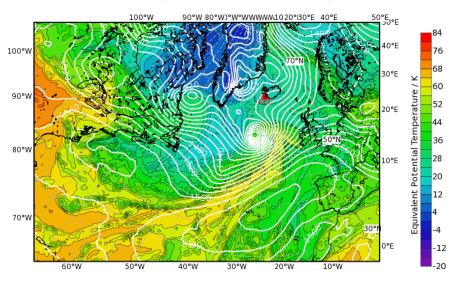


Forecast for Saturday, 17 Sep 2016

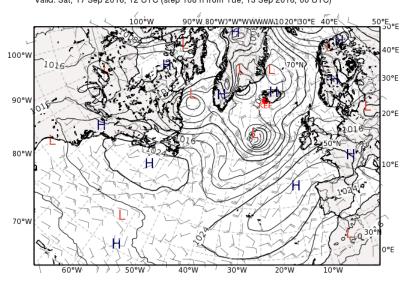
Geopotential Height (m) & Horizontal Wind (m/s) at 250 hPa Valid: Sat, 17 Sep 2016, 12 UTC (step 108 h from Tue, 13 Sep 2016, 00 UTC)



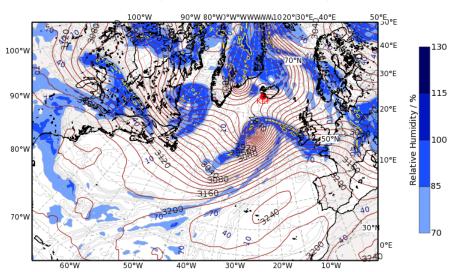
Equivalent Potential Temperature (degC) & Streamlines at 850 hPa Valid: Sat, 17 Sep 2016, 12 UTC (step 108 h from Tue, 13 Sep 2016, 00 UTC)



Mean Sea Level Pressure (hPa)
Valid: Sat, 17 Sep 2016, 12 UTC (step 108 h from Tue, 13 Sep 2016, 00 UTC)

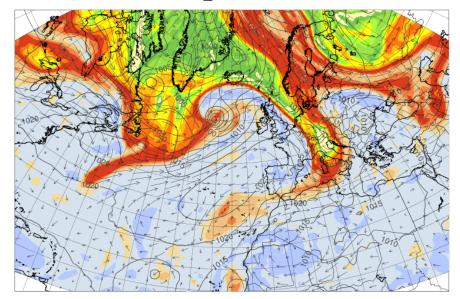


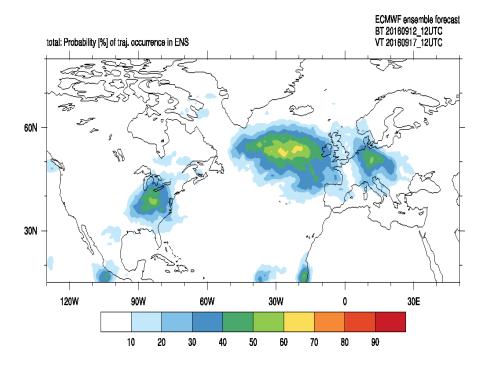
Relative Humidity (%) and Z (m) at 700 hPa Valid: Sat, 17 Sep 2016, 12 UTC (step 108 h from Tue, 13 Sep 2016, 00 UTC)

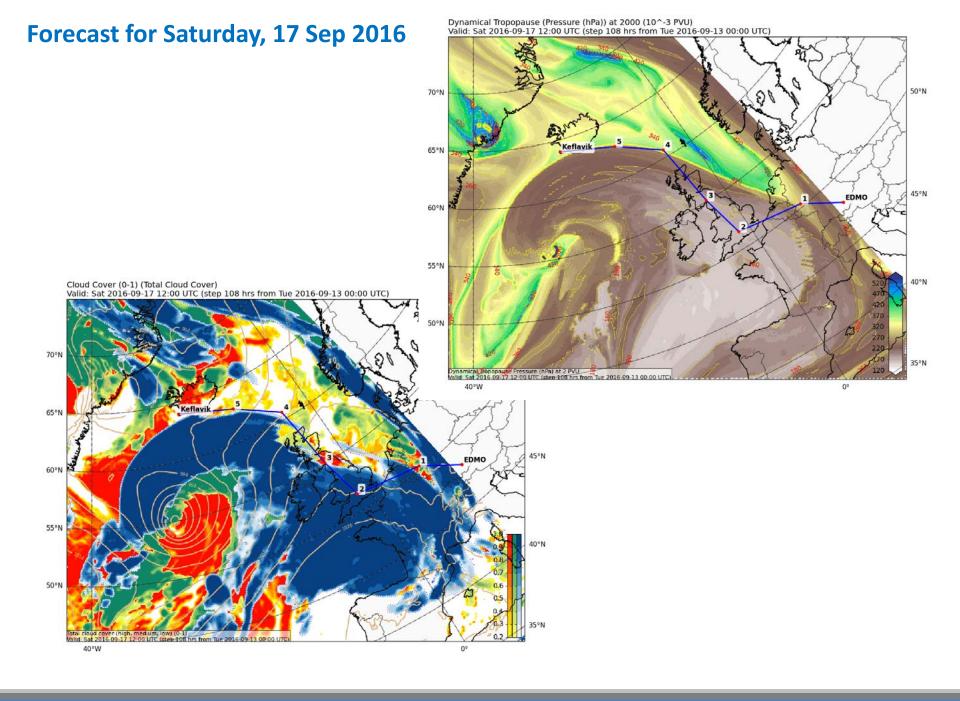


Forecast for Saturday, 17 Sep 2016

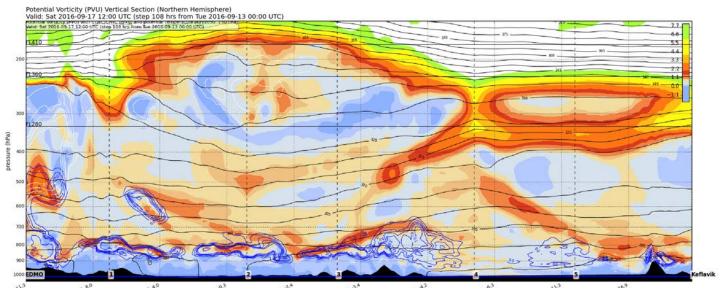
PV@330K at 20160917_12

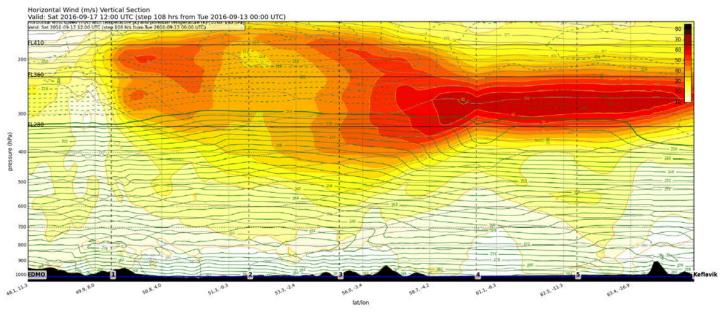






Forecast for Saturday, 17 Sep 2016

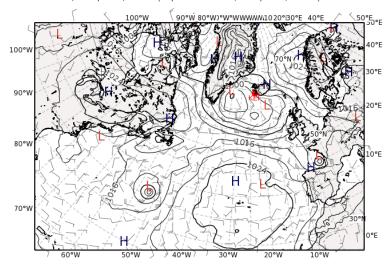




Outlook

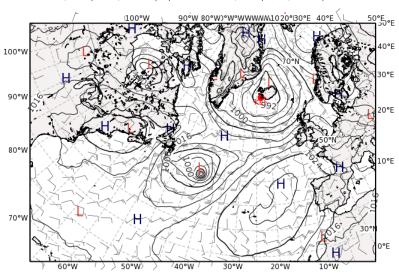
Mean Sea Level Pressure (hPa)

Valid: Thu, 15 Sep 2016, 12 UTC (step 060 h from Tue, 13 Sep 2016, 00 UTC)



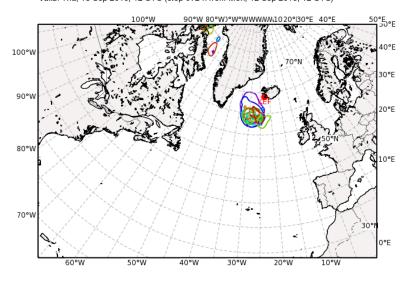
Mean Sea Level Pressure (hPa)

Valid: Fri, 16 Sep 2016, 12 UTC (step 084 h from Tue, 13 Sep 2016, 00 UTC)



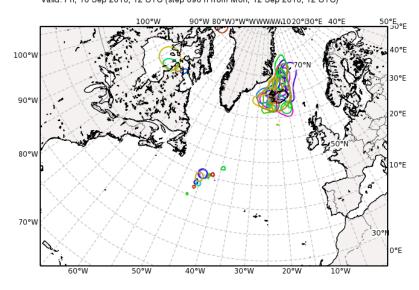
ECMWF ENS MSLP (990hPa-isoline)

Valid: Thu, 15 Sep 2016, 12 UTC (step 072 h from Mon, 12 Sep 2016, 12 UTC)



ECMWF ENS MSLP (990hPa-isoline)

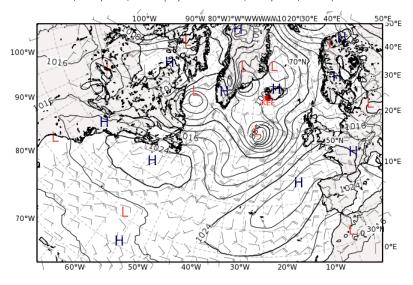
Valid: Fri, 16 Sep 2016, 12 UTC (step 096 h from Mon, 12 Sep 2016, 12 UTC)



Outlook

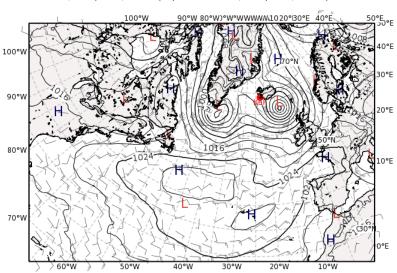
Mean Sea Level Pressure (hPa)

Valid: Sat, 17 Sep 2016, 12 UTC (step 108 h from Tue, 13 Sep 2016, 00 UTC)



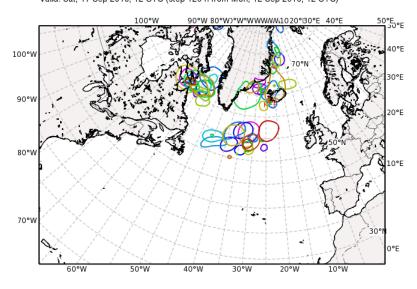
Mean Sea Level Pressure (hPa)

Valid: Sun, 18 Sep 2016, 12 UTC (step 132 h from Tue, 13 Sep 2016, 00 UTC)



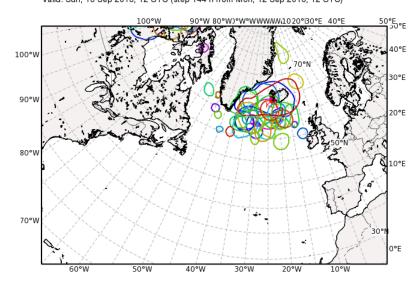
ECMWF ENS MSLP (990hPa-isoline)

Valid: Sat, 17 Sep 2016, 12 UTC (step 120 h from Mon, 12 Sep 2016, 12 UTC)



ECMWF ENS MSLP (990hPa-isoline)

Valid: Sun, 18 Sep 2016, 12 UTC (step 144 h from Mon, 12 Sep 2016, 12 UTC)



Outlook

- SHOUT has been watching TS Ian very closely.
- right now, the system has been forecasted to be a bit too weak to interest SHOUT.
- storm is in quite a lot of shear and intensification looks less likely, but they are keeping a close watch.
- SHOUT has 4 possible flights left.