

## **NAWDEX 2016 - Planning summary**

### **Today:**

- HALO took off at 12:00 UTC to sample the WCB ascent region and tropopause structure in the cyclone "Sanchez". Plans had to be changed as the planned flight track was too long
- SAFIRE took off to measure the WCB branch east of Iceland
- There will be a weather discussion at 16:00 UTC.

### **Responsibilities:**

- Scientific Manager: Andreas Schäfler
- Chief Forecaster: Matthias
- Instrument Manager: Manuel Gutleben
- Coordinator Ground-Based Observations: Lucas Höppler

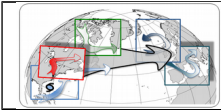
### **Weather evolution:**

- **Today**, cot-off Sanchez is moving approximately in eastward direction towards the English Channel.
- In the following days, Ex-TC Matthew is moving northward and the outflow is building up a ridge downstream of the cyclone. A second ridge forming further downstream may lead to WCB ascent above Iceland on Thursday.

### **Possible flights during the next days:**

#### **Tuesday, 11. Oct.:**

- Option A:
  - Radiometre intercomparison between HALO and British FAAM BAE146
  - Meeting (at 14:00 UTC) between Iceland and Scotland to measure ice clouds in a coordinated flight leg
  - Take off at 13:00 UTC
- Option B:
  - jet crossing SW of Iceland with DLR Falcon
  - this is a region of enhanced sensitivity concerning precipitation over Iceland on the following day
  - T/O: 10:30 UTC



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**Date: 10.10.2016**  
**Author: F. Baur, T. Selz**

**Wednesday, 12. Oct:**

- WCB is expected to be located between Iceland and Greenland.
- HALO:
  - several crossings of PV gradient of the evolving ridge with HALO
  - coordination with SAFIRE and Satellite at 14:45 UTC
  - coordinated flight leg with Falcon on the way back to KEF while crossing the jet
  - possible: LIDAR calibration in cloudless region