

NAWDEX 2016 - Planning summary

There are no flights planned today. The next missions are planned for tomorrow, Saturday 1st October, with HALO and Sunday, 2nd October, with HALO, DLR Falcon and French Safire Falcon.

Today's schedule:

- There will be a weather discussion at 16:00 UTC including a discussion about a possible mission on Monday, 3rd October, with Falcon and about a possible day off next week.

IOP6, tomorrow 1st October:

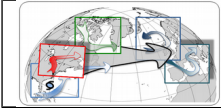
- plan from yesterday remained unchanged

Safire Falcon test flight tomorrow 1st October:

- There will be a test & calibration flight east of Iceland

IOP7 on Sunday 2nd October:

- A coordinated flight leg with HALO, DLR Falcon and Safire Falcon is planned to observe the tropopause fold near Greenland
- after this coordinated flight leg, the two Falcons will fly a box pattern to measure winds in order to compute the divergent wind in this area (FL360)
- HALO will drop around 10 sondes in the area of the tropopause fold where high winds are expected (near the turning point) (FL410)
- HALO will fly in south-eastern direction towards Irelandic airspace to descend below the NAT-tracks (FL280)
- the jet stream will be crossed a third time in westward direction until the centre of the cyclone (and hence the driest point) where HALO turns northward to return towards Reykjavik
- in the last 2 flight legs another 15 sondes will be dropped
- take off: DLR Falcon: 08:20 UTC
 Safire Falcon: 08:30 UTC
 HALO: 08:40 UTC
 - o Scientific Manager: Heini Wernli
 - o Chief Forecaster: Christian Grams
 - o Instrument Manager: Manuel Gutleben
 - o Coordinator Ground-Based Observations: Jacob Maddison
 - o Dropsond operator: Martin Hagen
 - o Mission Scientists: Christian Keil (HALO), Oliver Reitebuch (Falcon), Jim Doyle (Ground Support)



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Date: 30 September 2016
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Safire Falcon flight on Sunday afternoon:

- Take off at 13:00 UTC to have a Satellite underpass with the A-Train at 14:00 UTC
 - afterwards, the jet stream will be crossed 2 times south of Iceland
- wind conditions for landing on Sunday should be checked

Further announcements:

- additional Radiosondes will be requested for the east coast of Greenland and from ships around the southern tip of Greenland on Sunday
- instruments of the Safire Falcon will be added to the Wiki
- it is very important to **keep the kitchen clean** and leave the chairs in the Lobby
- please provide slides to the chief forecaster 30 Minutes before the meeting