

# OPS-0118 (18 Jan 2020)

Bjorn Stevens

## 1. Facility updates

*short updates on the status of the platforms.*

- **Local logistics:** Ops meeting at 9am at Civil Aviation building. We will try to keep this brief, but it will start a pattern. Building should become fully operational by end of day on Monday.
- **ATR-42:** Head wind forced a landing in Cayenne, French Guiana. Plane will arrive tomorrow, 19 Jan, before noon. Still no announced change on first test flight, which is planned for Friday, 24 Jan.
- **HALO:** Due to arrive tomorrow at 19:10 UTC (15:10 local time), departing Santiago de Compostela at 09:30 UTC. Coordinated flight with ships and P3. Should start circle at about 18:00 UTC, and be over the Ron Brown/NTAS around 17:30 UTC. Attempted over flight of gliders, a sail drone, the R/V Ron Brown, Maria S. Merian and Meteor, and the P3. We will send updates on schedule for the ships, also watch the Field Catalog, which accurately shows live positions with minimal bandwidth.
- **Twin Otter:** Monday is a day off
- **WP-3D:** Second local flight will mostly focus on AXBT drops covering the area measured by the Swift buoys (a rectangle to the north-east of the Ron Brown). Will fly along, but under HALO track on return. Computer for cloud in situ probes is down, but AXBTs are available, isotopes, and W-band will be featured atmospheric measurements.
- **L'Atalante:** Made it to Guadaloupe, should be arriving in operations area on Tuesday afternoon, and remain for three days for coordinated activities, possibly with Barbados Defense Forces (BDF), Regional Security Services (RSS) and the R/V Maria S Merian, if all goes as planned.
- **Maria S Merian:** Instruments coming up, performed coordinated soundings with BCO and Meteor offshore of the BCO this morning before heading toward CC. Problems with upload ftp to AERIS, needs to be resolved with the AERIS team
- **Meteor:** Started 4hrly soundings, measuring in tandem with R/V Maria S. Merian
- **Autonaut:** Diagnosed problem with the rudder on the vehicle, are working on it over the weekend and will launch probably Tuesday or Wednesday.
- **PoldiRad:** Foundation work underway, targets operation in the week of the 27th. Suggested to push Williams to accelerate the construction, including possibly working on Tuesday.

## 2. Plans

**HALO overflight of ships, with possible WP-3D coordination.** HALO will fly over the NTAS on a line to CC (Circle Center), it intends to fly at FL300, with two drops, one at Circle Center, and a second midway between circle center and the NTAS. Will continue from CC to Circle West (CE) and then fly a circle dropping 12 sondes. Maria S Merian and Meteor, should be on flight track, as well as autonomous vehicles. WP-3D may follow HALO on the same track back to Barbados.

**L'Atalante Coordination:** A plan is being discussed to have one day of coordinated measurements with the BDF and RSS when the L'Atalante is near Barbados. This could involve setting up a sounding cross section and validation of the RSS remote sensors (Star Safire 380 HD cameras). These would then be used to scout the Boulevard or look for sea grass.

**Soundings:** Some questions arose regarding soundings. When ships are in close proximity with one another the benefit of both performing soundings is not great, so in general the Maria S Merian should defer to the other ships for soundings in these cases, as it is anyway short staffed in this respect. Otherwise all ships should be performing six-a-day soundings, at designated space. The airspace is cleared with the ATC.

Press conference with small reception planned for CIMH on Monday at 15:00 LT

## 3. Issues

- *Problems with uploading data from ships to AERIS*
- *BORÉAL still waiting on some things to clear customs.*