

OPS-0208 (08 February 2020)

Lutz Hirsch
(compiled 08.02. 19:10 LT)

1. Facility updates

- **Local logistics:** Please, if you drink coffee donate into the large box next to the coffee machine.
- **ATR-42:** Yesterday (07/02/2020): 2 flights - take off at 7:30am and 1pm- coordinated with the TO and HALO. Tomorrow (09/02/2020): 2 flights - take off at 4:30am and 10am - coordinated with the TO and HALO. Tuesday (11/02/2020): tentative still - take off at 1am and 6:30am - coordinated with the P3 and with the HALO (2nd flight only). Thursday (13/02/2020): 2 flights - take off at 3:30am and 9am - coordinated with the TO and HALO
- **RAAVEN, BOREAL and Skywalkers:**
- Boreal: no update available.
- Skywalker: no update available.
- Raaven: Will always do the same pattern: one vertical profile up to 1000m and then legs of approx. 2km at different levels in the boundary layer.
- **HALO:** Yesterday coordinated scientific flight with take-off 08:00 LT. Pattern: Standard-pattern with 3.5 circles, excursion to NTAS and again 3.5 circles. Ground-Day today. Next coordinated flight Sunday with take-off 05:00 LT.
- **TwinOtter:** Yesterday's flight: Take off at about 8:10 and 13:10. The TO had two very successful flights yesterday studying clouds at several altitudes and precipitation shafts at several altitudes, including several below cloud-base. There was very heavy rain in the afternoon in some clouds near colliding gust fronts. They also did an extensive study of cold pools and the associated gust fronts on both flights. No flight today. Sunday - combined flight as planned, take-off at 07:00. Monday planned single flight; take-off at 9 am.
- **WP-3D:** No P3 flight today. Night flights (takeoff time 20.00 local, Monday 24:00 under discussion) on Saturday, Sunday and Monday. Please note the larger diameter of the first dropsonde circle (2.2 degrees). The diameter of the second dropsonde circle is unchanged (1.62 degrees). Circle center locations were updated as well (minor shifts).
- **BCO:** All systems are up and running. PoldiRad operational, now with a new generator again. Measurements at Ragged point are all running as well.
- **L'Atalante:** no update available
- **Meteor:** Yesterday parking next the MERIAN for data comparisons and a common CTD profile down to 4000m. Continuing on the track to southern turning point (with a regular CTD) and then returning to L2 for an entire day stay, for daily cycle sampling and continued local cloud kite operations overnight. Radiosondes launches at (almost) the regular times (3.05, 6.45, 10.45, 14.45, 16.33 (DWD), 18.45 and 22.45 UTC). Lost cloud-kite early today, trying to recover it.
- **Ron Brown:** Headed to new "Station Point" (13° 51' N / -54° 54' W) arriving yesterday evening around 1900 AST to sample aerosol, clouds, BL, ocean properties. Leave Station Point today early morning (Sat ~0200 AST) to be positioned near Wave Glider for recovery (Sat ~0900 AST). Recover Wave Glider 245 today in the morning around 0900 AST. Transit to back Station Point (13° 51.0' N / -54° 54.0' W). Stay at Station Point until 9 Feb. Recover assets 10- 11 Feb. Transit back to Barbados on 12 Feb. In port on 13 Feb.
- **Autonaut:** AutoNaut Caravela was launched Wednesday and was heading east, south of the island. PLANET shows position East of Barbados.
- **CloudKite:** see METEOR and Maria S.Merian reports.

2. Plans

The outreach activities for presentations at schools next week on Mondays, Tuesdays and Thursdays continue.

Plans for a hike next Monday between 07:00 and 10:00 LT, contact Sandrine if interested.

Plans for Cricket match @ Coverley on Monday 15:00 LT. Just show up at the cricket-field there.

Discussion on „good scientific practice“ on Wednesday 10:00 - 11:00 LT at OPS center.

3. Issues

no issues

4. Flight Alert

Saturday 08 February 2020

- no flights of HALO, ATR and TwinOtter
- night flight P3, take-off planned for 22:00 LT, 8h flight time
- Planes will be in the Alley not before 22:00 LT!
- Contact Point: tbd.

Sunday 09 February 2020

- coordinated flights of HALO, ATR and TwinOtter, with first take-off at 04:30 LT
- night flight P3, take-off planned for 22:00 LT, 8h flight time
- Planes will be in the Alley between 00:0 and 18:00 LT and after 22:00 LT!
- Contact Point: Jule Radke jule.radtke@uni-hamburg.de

Monday 10 February 2020

- no flights of HALO, ATR and TwinOtter
- night flight P3, take-off planned for 22:00 LT, 8h flight time
- Planes will be in the Alley until 07:00 LT and not before 22:00 LT!