

OPS-0211 (11 February 2020)

Lutz Hirsch
(compiled 11.02. 15:30 LT)

1. Facility updates

- **Local logistics:** Please, if you drink coffee donate into the large box next to the coffee machine.
Make sure you return airport badges before leaving Barbados !!
- **ATR-42:** Today (11/02/2020): - take off at 1am and 6:30am - coordinated with the P3 (1st flight) and with the HALO (2nd flight). No flight on Wednesday. Thursday (13/02/2020): 2 flights - take off at 03:30 LT and 09:00 LT - coordinated with the TO and HALO
- **RAAVEN, BOREAL and Skywalkers:**
- Boreal: no update available, but in the air today as seen in PLANET.
- Skywalker: no update
- 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:** Coordinated flight today with take-off 08:30 LT. Planned duration 9h. Pattern: 6 drop-sonde circles, excursion, GPM overpass on way back. Ground-day tomorrow. Coordinated flight on Thursday with take-off at 04:00 LT with 8h duration.
- **TwinOtter:** Today two coordinated flights with take-offs at 08:30 LT and 13:00 LT. No flight tomorrow. Thursday two flight with take-offs at 08:30 LT and 13:00 LT
- **WP-3D:** Last flight last night with take-off at 23:30 LT. Depart home on Thursday. Straight flight home, no scientific pattern.
- **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:** Yesterday completed first transect of the deep NBC Ring2. Submesoscale MVP and uCTD transects after deployment of OCARINA, PICCOLO and three TRUSTED surface drifters in Trinidad and Tobago southeast open-ocean waters. Recovery of all these platforms in the late afternoon. Sailing now to the second Ring2 transect initial waypoint. Radiosondes have been launched every 4 hours.
- **Meteor:** Yesterday: Transit with regular CTD to L1. Then park again in stationary position (into the wind) for investigations of the daily cycle in the northern METEOR region with CTD casts every 2 hours and regular radiosondes launches (2.45, 6.45, 10.45, 14.45, 16.33 (DWD), 18.45, 22.45UTC). Overnight the microbiology group took another sample at the center position of the Meteor track. By noon be reached L1, but it was too windy to deploy the U.E.Anglia glider by boat. Aerosol levels were at least as high as yesterday with average AOD, 550nm at 0.4. We will stay until noon at L1 and then head southward. A special highlight will be the visit of the MERIAN today morning at about 8am. The MERIAN will come alongside for the exchange of smaller items via a bucket (as waves are too high to set out a boat safely).
- **Maria S. Merian:** no update available.
- **Ron Brown:** Hold at Station Point (13° 51.0' N / -54° 51.6' W) until 9-10 Feb. Recover assets remaining Wave Glider and all drifters between 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. **Please volunteer !!**

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

HALO scientists meeting on Wednesday 11:00 LT at OPS center.

HALO logistics meeting on Wednesday 12:00 LT at OPS center.

Movie night tentative on Thursday.

Volunteers needed for EUREC4A blog! Please get in touch with Anna Lea Albright.

Volunteers needed for interview for Uni Leed podcast! Please get in touch with Leif Denby.

3. Issues

no issues

4. Flight Alert

Tuesday 11 February 2020

- coordinated flights of HALO, TwinOtter with take-off at 08:30 LT
- 2 flights of ATR, with first take-off at 01:30 LT and second 07:00 LT
- night flight P3, take-off planned for 23:30 LT, 8h flight time
- **Planes will be in the Alley between 00:00 LT and 17:30 LT!**
- Contact Point: Klingebiel, Marcus <marcus.klingebiel@mpimet.mpg.de>

Wednesday 12 February 2020

- no flights of HALO, ATR and TwinOtter.
- no flight of P3
- **no Planes will be in the Alley!**

Thursday 13 February 2020

- coordinated flights of HALO and ATR with 1st take-off at 03:30 LT
- Twin Otter 2 flights with take-off at 08:30 LT and 13:00 LT, flight time 3.5h.
- no flight of P3
- **Planes will be in the Alley from 03:30 LT- 16:30 LT!**