

# OPS-0206 (06 February 2020)

Lutz Hirsch  
(compiled 06.02. 15:30 LT)

## 1. Facility updates

- **Local logistics:** Please, if you drink coffee donate into the large box next to the coffee machine. We are working for additional key-cards for the building.
- **ATR-42:** Yesterday two coordinated flights with early take-offs (04:30 LT and 10:00 LT) together with HALO. Both flights with 4.5 h flight-time. Next coordinated 2 flights Friday with take-off 07:30 LT.
- **RAAVEN, BOREAL and Skywalkers:**
- Boreal: Next flight together with aircraft on Friday.
- Skywalker: Wednesday 05 February: two missions today with two uav each. Nice adaptative sampling in the first one.
- 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 05:15 LT. Pattern: Sputnik-pattern, including dropsonde circles, MISR overpass and excursion. Ground-Day today. Next coordinated flight Friday with take-off 08:00 LT.
- **TwinOtter:** Yesterday 2 flights planned with first take-off time 7:30 LT, second take-off 12:20 LT doing cloud chasing. Calibration flight planned for today, take-off 10:00 LT for 4h. Coordinated flights on Friday with take-off at 08:00 KT.
- **WP-3D:** Successful scientific flight yesterday with take-off at 09:22 LT until 18:00 LT. Flew relatively far east in different levels of feathery flowers. All instruments OK. No P3 flights Thursday and Friday. Night flights (takeoff time 20.00 local) on Saturday, Sunday and Monday.
- **BCO:** All systems are up and running. PoldiRad operational, working on generator failure since yesterday afternoon. Measurements at Ragged point are all running as well.
- **L'Atalante:** Yesterday sailing to hunt the real deep Ring center and its boundary where intense submesoscale turbulence should envelope its core. While progressing with a very regular rhythm of uCTD and VMP, gave rendezvous to the 4 Saildrones. Stayed in station with them for 5 hours and then left with a northeast course for our waypoint. The Saildrones are following and will meet again there. Will sail north to the border of the deep Ring3 then, very likely, southeast (after examination of today's collected currentmeter data) with an intense survey of VMP, CTD and uCTD profiles.
- **S. Merian:** no update today.
- **Meteor:** Continue sampling on the METEOR track until the morning hours. Retrieve the pink UEA glider and check on the UEA autonaut (Caravella). Remain stationary on the Meteor track just south of L1 with the cloud-kite in the air (as winds are strong enough today) and conduct CTDs every 2 hours for daily cycles and launch radiosondes at (almost) regular times. Plan to stay in our current position until tomorrow afternoon with continued cloud-kite sampling, before heading south to meet the Merian the following morning near L2.
- **Ron Brown:** Returned to port due to an emergency on board. Possibly leave port again on Friday. Possibly back on station Saturday.
- **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.

Next seminar @ CIMH, this Friday at 15:00 LT with 5-6 speakers, followed by dinner at Oistins or similar.

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.

Micro-physics and Radar scientific discussion planned for Saturday 09:30 LT at OPS center.

Data discussion to be continued next week.

### **3. Issues**

no issues

### **4. Flight Alert**

#### **Thursday 06 February 2020**

- no flights for HALO and ATR
- calibration flight TwinOtter, take-off at 10:00 LT for 4 hours
- no flight P3
- Planes will be in the Alley between 10:00 and 14:00 LT!
- Contact Point: tbd.

#### **Friday 07 February 2020**

- coordinated flights of HALO, ATR and TwinOtter, with take-off around 08:00 LT
- no flight P3
- Planes will be in the Alley between 07:30 and 18:00 LT!
- Contact Point: Veronika Pörtge <[veronika.poertge@physik.uni-muenchen.de](mailto:veronika.poertge@physik.uni-muenchen.de)>