

EUREC⁴A

10 November 2019 Coordination Call

Participants:

Alan Blyth, Sandrine Bony, Chris Fairall, David Farrell; Johannes Karstensen, Trish Quinn, Bjorn Stevens (responsible for notes)

Agenda:

1. Status of Platforms (planes, ships and communication among them)
2. Local (Barbados) logistics
3. Status of symposium
4. Renewable energy study
5. Misc, including next meeting

Status of platforms:

We discussed the status of the different platforms. Most points are unchanged, just some important updates:

- The R/V Ron Brown and P3 plan to do their measurements in the Trade-wind Alley
- R/V Ron Brown will have a VIP day in early January (Jan 4th) and a school day on Jan 27th. Those who will be on island and can join in the VIP day please let David Farrell know. David is in contact with the prime minister and local enthusiasm is growing.
- R/V Ron Brown is interested in internship calibration activities, can follow up with updated ship planning; it will be in front of the BCO on 24th-24th January.
- WP3 planning to coordinate with other aircraft by flying mostly the day before the other platforms to sample upstream conditions. Four flights planned on coincident days, three will be night flights, one is intended to be under HALO.
- Discussed P3 circles, indicated that double circles not necessary and 12 sondes per circle would do a good job of constraining large-scale (omega budgets). No need for AXBTs in the main (Meteor/ATR/HALO/TO sampled) experimental area, better placed upstream.
- HALO likely to fly nine hour flights, this leaves a few hour for longer flights which will depend on crew duty issues, hopefully during pilot change
- JPI funding for EUREC⁴A on hold, so presently no funding for sail-drones, but other options are being explored.
- Discussed use of PLANET software for ships and planes. Marginal benefit versus cost of installing on TO seems prohibitive, and unless there is a clear expression of need (value) this would not be pursued further. Present plan is to install on WP3, funded by ATOMIC, and on the four ships (funded by EUREC⁴A). Presently no plan for elaborate data provisions, i.e., mostly communicating positions, rather than position superimposed on supplementary info such as radar or satellite as there will be relatively little targeted sampling. Sandrine's group will follow up on this.

Local Logistics:

- Lodging has been secured at Coverly Estates as has a conference room at civil aviation, the latter is a 20 min walk from the estates.
- Rooms at PomMarine will be held by CIMH, David is contact. David and Lutz should exchange lists
- We've been experiencing long delays at customs. David will follow up with minister. Todo is provide a list of items in customs to him this week, and update the list as time goes on. But people should be aware of potential delays due to staff shortages, and a new processing system. Stay on top of shipments.
- Need to follow up on high-speed network and overall data storage needs. Todo is for Marcus or Tobias to follow up with Daison in coordination with Lutz (c. Marvin?)

- David has an offer of support for a 0.5 PByte data storage system. Todo is for data group to discuss this capacity and if it seems inadequate, how much more would be required for a good data archive?
- Need to clarify any access limitations to civil aviation, where we will have conference facilities, i.e., night and weekends.
- US group needs help with getting AXBTs off R/V Ron Brown (which will transport them to Barbados), through customs and stored at CIMH for use by P3. David indicated that CIMH could help. Time may be short and should be coordinated with customs, see above.
- David mentioned possible access to a Submarine. Todo: Johannes and Sabrina follow up on possible uses of this facility.
- David asked about role fo RSS planes, and we suggested Sargassum surveys. Likewise for Coastguard, here could be useful in picking up drones, to be confirmed with ship PIs.
- Question posed as to a daily ship report, or daily weather report to be shared with ship crews. David suggested that Cathy Ann Caesar and her group might be interested in doing this in coordination with local scientific staff. Todo: follow up with Cathy Ann.
- ATOMIC group was not too aware of SLACK, reminded them to check it out on the coordination page of the website (Trish).

Symposium:

- If we hold this at CIMH we can plan for a conference room with 50 people. Other options are to rent a larger facility, either at the University or a hotel, or have the symposium at night, perhaps at one of the measurement sites.
- David indicated that he would explore contacts with those who had been involved in BOMEX, mentioned a Mr. Calendar (name?)
- Discussed possibility of public lecture at the Natural History Museum.

Renewables:

David indicated there was great interest in setting up the Pyranometer network. Barbados is about 431 km². Plan is for the on-island crew to help with the set up. This needs a point person. Plan to send someone from CIMH to Leipzig for training in the use of the network next week — o be confirmed.

Misc and next call:

Next call planned for two weeks, Friday Nov 22 at 17hr CET, i.e., 8am PST (US), please forward issues as they need to be addressed

Action Items:

- CIMH to confirm PomMarine rooms (Lutz & David)
- Prepare first customs list for David to speak to minster with
- Open issues regarding French ability to pay for houses on 2. Jan., CIMH could help but this needs to be coordinated and clarified, as French might not be able to pay CIMH, prefers individual invoices.
- Follow up on Symposium coordination (Ludovic?)
- Check in with Leipzig on renewable network.
- Urgently need to nail down flight schedules (days and take-off times) as much rests on this.
- Follow up on data server and network bandwidth.