ESPO Team Tag Up Agenda – 06/25/19

Attendees:

ARC**:** QA**, (BB), DC, TC,** EC, **(KD),** DJ**, (EJ), BL, (SM), SN, AP, VS**, **AS, KS, DT, MV, BW,** JZ

TDY: JZ (CAMP2Ex)

AL: DJ, EC, QA

1. Intro (MV)
   * Meet me: 1-844-467-6272 (200767#)
   * WEBEX: Password: 1230
   * Identify who is taking notes
   * Brown bag moved to July 18
   * Viewpoint survey
   * Autopay for travel card
   * COOP (Continuity of Operations Planning)
   * AQMS Audit
   * Pride parade 6/30
   * Phone moves/status
   * MV off next week
2. Computers/IT (BB, DC, KD, AP)

• New Calendar (invite individuals too)

• Missing Computer

• Google suite renewals

• Google account settings

• Webex accounts / NASA Webex

• RSA tokens / travel

1. Logistics (QA, BW, DT, TC)
2. Manpower planning (MV)
   * EVS3 manpower
   * Deployments 2020 – provide rough dates to MV
   * Tag ups for June with MV (send an outlook)
   * PM updates weekly
   * PMs schedules and budgets /EVS formal reviews
   * Katja will focus on instrument db May and June; questions to Brad. Katja will be available Wednesday mornings 9-12am.
   * DPM interviews
3. Share info:
   * Training:
     1. APPEL course suggestions
     2. How to write an email – remember your audience
   * Tools:
     1. ASP video page
     2. Videos for CAMP2Ex/FIREX
   * Procedures:
     1. Safety finding
     2. DO NOT email about unofficial comp time
   * Team: Team Building
4. Mission Updates (see Appendix 1)
5. Next meetings:  **7/9, 7/16, 10/8**
6. Demos:
   * MTS - Aaron Duley – 6/25
   * SOFRS and ASP – Vidal/Sommer - June/July
   * Airlifts – Sommer
   * Demo on GoPro – Jhony
   * Conference rules – Susan
   * Lessons Learned from EVS2 missions – Bernie and Dave
   * Preview capabilities - Dan

**Words for the week:**

**Farther and further**

*Farther* involves a physical distance. “Florida is farther from New York than Tennessee.” *Further* involves a figurative distance: “We can take our business plan no further.”

Appendix 1

Mission Updates

• **ATom** (Atmospheric Tomography) **(Dave/Erin/Quincy)** - All deployments completed.  Final closeout Nov 2019. Request submitted for a no cost extension, STM is in November.

• **ORACLES** (ObseRvations of Aerosols above Clouds and their intEractionS) **(Bernie/Dan/Sommer)** - All deployments completed.  NCE was granted, requesting one year additional time for data analysis and publication. Therefore the closeout review will likely be pushed to late 2020, and another STM will be held May 2020 in Miami. The Co-PI’s are considering how to allocate reserves; likely a combination of interdisciplinary papers, travel for the STM, targeted grant augmentations. They have solicited micro proposals from the team to spend the extra money.

**• CAMP2Ex** (Cloud, Aerosol, and Monsoon Processes Philippines Experiment) (Jhony/Erin/Brent & Sommer) - Aug-Oct, 2019 (integration June, July).  Integration begins the June 17th, 1-2 instruments arrive a week earlier. Weekly mission teleconferences every Tuesday. Biweekly teleconferences every Monday evening (with the team in the Philippines). Sea shipment from ARC departed. Learjet needs FRR and MRR only.  FACT training delay waiver granted. Science flight operations run from Aug 25-Oct 5. Jhony is coordinating transportation from the airport for everyone. Hotel bookings is an issue and that people can’t book through the link that was sent out. Brent is collecting and reviewing the air shipment manifest.

• **FIREX-AQ** (Fire Influence on Regional to global Environments eXperiment– Air Quality) **(Dave/Bernie/Drew & Quincy)** DC-8 in Boise and Salina, NOAA Twin Otters in Boise, ER-2 flying from AFRC. Integration is underway for the DC-8. Planning is underway for VIP and media events in Boise. 129th CANG Rescue (180 people) from Moffett will be in Boise at the same time as FIREX. The Twin Otters plans to park at the Jackson Jet Center. Instruments are loaded. Test Flights are next week. Schedules are working around some oxygen testing but things seem to be going smoothly. DC-8 aircraft is having problems with the passenger oxygen system that will affect the test flight for SARP. SARP is postponed until July 15, 2019. Deployment to Boise is still on schedule.

• **IMPACTS:** Investigation of Microphysics and Precipitation for Atlantic Coast-Threatening Snowstorms Science: PI.  Lynn McMurdie (University of Washington) **(Vidal/Quincy & Katie/Brent)** Three 6 week campaigns (Jan/Feb 2020-22)to Warner-Robins Georgia AFB (ER-2) and WFF (P-3). Series of ongoing meetings, Vidal on site visit at Hunter AFB.

* Reviews: Investigation Confirmation Review plan for Oct 7.
* Docs: The science team still working on the IIP.
* Funding: Working revised budget.
* Reporting: Met with Jennifer on budget/reserves.
* Aircraft: ER-2 budget increased by 100k.
* Deployment: Warner Robbins will not grant full, early permission for ER2 to deploy there, so there is consideration of alternate sites. They can support IMPACTS in 2020; we must inquire again later for 2021. One thing that is up in the air is the Liquid Oxygen that the ER2 needs. Vidal identified a source but needs to confirm deliveries. The hotel room already blocked for the Residency Inn.
* Travel: Vidal conducted a site survey to Hunter AFB, near Savannah last week.

• **DCOTSS:** Dynamics and Chemistry of the Summer Stratosphere Science. PI: Kenneth Bowman (Texas A&M University) **(Dan/Bernie/Brent & Tony).** Two-week test flight series and 3 x 5+wks (spring, middle summer, late summer) with ER-2 in Salina, Kansas.

* Reviews: The DCOTSS Confirmation Assessment Meeting (CAM) is scheduled for July 12, and the ICR is scheduled for September 17.
* Docs: Efforts continue on the IIP and refinement of the budgets. IIP sent out to Jenifer at Langley.
* Funding: Currently working a transfer of one PI to a new institution. There is a funds transfer issue with NOAA in work.
* Reporting: n/a
* Aircraft: n/a
* Deployment: n/a
* Travel: The first, in-person, full Science Team meeting has been planned for late October in Denver; logistics info is on the web site. The hotel reservation is on track to meet the quota for June.

•  **S-MODE:**  Sub-Mesoscale Ocean Dynamics Experiment.  PI:  Tom Farrar (Woods Hole) **(Erin/Sommer/Drew).**Two week pilot (4/20), two 1 month campaigns

(4/21 & 9/21).  NASA KingAir B200, NASA G-V, TOI Twin Otter and a UNOLS vessel (plus ocean surface drifters, wave gliders, sail drones, and floats). Science research area of interest approximately 200 miles off the coast of San Francisco.  Project started June 1, 2019.   Sommer and Erin TDY in Pasadena for meeting with B200 crew

* Reviews: n/a
* Docs: Working documents for the STM agenda and the IIP are up on Google Docs for team collaboration. Deputy PI meeting on Monday.
* Funding: PRs for five of seven grant packages are in the system. JPL task plan has been approved and PR started. Contract for Twin Otter and BAERI task are in work.
* Reporting: Deputy PI science call bi-weekly (on hold due to travel). Management team meets bi-weekly.  All communications will be via email.
* Aircraft: If MOSES window fab and integration design are completed this summer, then there could be B200 test flights this fall.
* Deployment: There is a possible experiment at WHOI in the Fall to improve DopplerScatt calibration (resolving small scale wave measurements) - currently no ESPO support expected to be req’d.
* Travel: PM and DPM are traveling to Pasadena to meet with the JPL DopplerScatt and PRISM teams, June 11; meeting at AFRC main base on June 12. STM at Ames Aug 21-23 in Bldg 3
* DAAC will be JPL PO.DACC.

They still working on the details and learning on the other two EV’S will help. Need a letter of agreement from AMES so the Hanger they don’t back out.

2020

• **EXPORTS** (the Export Processes in the Ocean from RemoTe Sensing) **(Quincy/Drew)** - Ships have been identified for the 2020 cruise, the R/V Atlantis and R/V Armstrong, both ships are managed by Woods Hole Oceanographic Institution. Mobilization will begin April 14, 2020 and the ships will sail from Woods Hole, MA on April 18. The ships will return May 31, the Atlantis to WHOI and the Armstrong to Galway, Ireland. The next science team meeting will be early October, place is TBD, and there will be a cruise planning meeting at WHOI early November. WHOI announced they will be conducting their Ocean Twilight Zone Project (OTZ) and plans to coordinate with EXPORTS and contribute by conducting some of the same measurements. OTZ will be in the North Atlantic aboard the R/V Sarmiento de Gamboa at the same time as the EXPORTS deployment.

* + Natural Hazard Science Response/Volcano (Bernie)
  + **EPIC** (Earth Science Project Management International **Collaborative**)**-** Moved to next year before or after AGU Workshop **(Vidal/Sommer/Drew)**
  + PM Guide (Erin) - Erin to update.
  + SOFRS (Vidal)- draft call letter out for review. Feedback came back from everyone. The Global Hawk may be removed and the P3 unit wants to increase their rate. Vidal is waiting for Bruce’s approval. SOFIA (the 737 with a telescope, is being added to the Airborne Science Program.