

# CSET Monthly Telecon (29 Jan 15)

Below is a quick summary of the issues that were brought up during the first CSET telecon.

## 1. Instrument Status

- a. The PI team requests the 3V-CPI over CVI. This will have the additional impact of potentially opening up a seat on the GV.
- b. Instruments that are not currently ready for flight:
  - i. HARP: The stabilized platform failed during the most recent test flight period. The HARP team is working to repair the platform and include a mechanism to revert to the unstabilized configuration should the stabilized platforms fail again. **ACD:** Sam Hall
  - ii. GVR: Zone two overheated during 3 of 4 test flights in the fall. Andrew is expected to look into issue. **PI:** Andrew Pazmany
  - iii. UHSAS: Currently at DMT for repair. It is expected to be repaired and flown on the current WINTER project. If UHSAS is inoperable for CSET a replacement is highly desired by the PI team. PCASP is not preferred to to the differences in particle sample size. The question of an SMPS was brought up. **RAF:** Mike Reeves
- c. HSRL/HCR sensing strategies. The PI Team is interested in merging of the HCR and HSRL data and should work with RSF to determine optimal sensing strategies.

**HCR:** Peisang Tsai. Scott Ellis    **HSRL:** Bruce Morley    **PI Team:**

- d. Automated dropsonde deployment procedures. Dropsonde procedures must be established when there is no dropsonde operator onboard the GV. This needs to account for flight operations and scientific objectives.

**ISF:** Terry Hock    **RAF:** Scotty McClain    **PI Team:**

## 2. Logistics:

- a. Sacramento Location

- i. Schedule of PI staffing. If the Ops Center is at UW, the PI Team should staff the the Sacramento location (or aboard the GV during missions) with a minimum of 1-2 personnel at all times. The PIs are requested to develop a schedule for staffing.

**PI Team:**

- ii. Instrument Training Plan for Flight Crew. There are several autonomous instruments aboard the GV for CSET. NCAR staff will develop basic operation and troubleshooting procedures for these instruments. GV crew members from the PI team and NCAR should receive some familiarization training on these instruments so that they can troubleshoot in flight. Training will likely be accomplished on site in Sacramento.
- b. University of Washington Ops Center
    - i. Define location of Ops Center and office space for scientists during the project.
    - ii. Communications requirements need to be defined. The daily planning (and other) meetings can take place over Readytalk, so only basic phone and internet connection are needed. What are the additional requirements for data transfer/storage?
    - iii. Field Catalog training. The field catalog can be used as a tool to facilitate the daily planning meetings and forecast discussions. Training and expertise must be achieved by users at the remote Ops Center.
    - iv. Other requirements?
    - v. Any specific support that EOL is requested to provide must be defined.

**EOL:** Lou Lussier, Mike Paxton

**PI Team:**

**3. Operations:**

- a. Flight Plans. A couple of draft flight plans should be developed prior to the April science meeting. Initial plans should be limited to 2200 nm with 1000 nm of profiling for each flight.

**RAF:** Scotty McClain, Lou Lussier

**PI Team:**

**4. Data Management**

- a. The PI Team has not requested a one year exclusivity period.

- b. In field transfer of HCR (& HSRL?) data. The PI team should work with RSF to define what raw data is required at the UW ops center after each flight. Timeliness of the data should also be discussed (i.e., is it needed 24 hours after flight or is two days ok?). CDS can then work a solution for data transfer.

**HCR:** Peisang Tsai. Scott Ellis    **HSRL:** Bruce Morley    **CDS:** Mike Paxton  
**PI Team:**

- c. Field Catalog Product List. What products are needed to populate the field catalog?

**CDS:** Greg Stossmeister    **PI Team:**

- d. Mission Simulation. The PIs have requested a table top dry run during the April planning meeting. The Field Catalog would be helpful to facilitate this exercise, but is not essential. Observational and forecast data sets need to be identified and a scenario developed?

**EOL:** Lou Lussier, CDS??    **PI Team:**