

Summary of the 06/08/2017 PACE-IOP teleconference.

Present: Lorraine R., Jim S., Stephane M., Greg M., Susanne, C., Maria T., Mike O.

Written in the order of the discussion.

1. Update from HQ (Quoting from AC-telecon summary as all involved are on panels this week):

Project report from Antonio: (1) The Project will not move forward with a donated MAP from ISRO. Technological development there will not be ready in the PACE time frame. Have begun conversations for possible cubesat instruments: Vanderlei Martins with the UMBC HARP and with the Dutch for X1. Looking for contributed instruments. At this point, no reason to not include both.

(2) There will be an error budget review June 14-15. It comes in two parts: (a) OCI requirements from L1 to L2 and so on. (b) geolocation error budget. This review was recommended by the Standing Review Board.

(3) Looking into adding a 1040 nm band for atmospheric correction on OCI. Adding will require degrading SNR on the 1250 and 1650 nm bands. Some (but not overwhelming) benefits for atmos corr by adding 1040 nm. Still evaluating. Have ruled out options that added 1040 nm while eliminating a different band. Now not eliminating, only degrading SNR.

(4) Looking into ride share opportunities. Spoke with Air Force and others. Strong interest on both sides. Need to formalize agreement by Sept. in order to be able to make use of any savings for science. Even if savings found, unlikely there will be time at that point to procure a MAP.

Questions from the team to which we had no answer:

1. Are the L1 and L2 reviewed include products, not only radiance?
2. Any consequences for degraded SNR on the 1250 and 1650nm bands?

2. Lorraine Remer updated us on the AC-ST activities. All are writing frantically the different sections of their report involving AC for PACE and atmospheric products (aerosol and clouds) that will be available from PACE.

3. EB needs to contact Paula B. to make sure reporting activities of ST are in-line with what we are doing.

4. EB needs to contact Paula B. regarding next PACE-ST meeting next January. When we left that meeting, there was consensus that it will be valuable to get another meeting. Lorraine reported that she has leftover funds to roll over into that meeting.

5. Datasets: EB reported that Kimberly and Cecil R. are working on a manuscript on the dataset. Stephane M. reviewed the dataset and said that it is, unfortunately, limited, recognizing that the type of measurements we need to build algorithms for PACE are extremely rare.

Regarding Zhongping L. synthetic dataset, both Stephane M. and Susanne C. said that while most of the dataset is useful some of the simulated runs are not realistic. May be worthwhile to filter some of them based on realistic input/outputs.

6. Absorption intercomparison is going along (update from Mike T. and Jim S.). Data was processed and a meeting in Bremen will take place in June 21-23.

7. Maria T. – Applied Science plan for PACE has been written by Maria T. and Ali O. It has been read by GFSC leadership of PACE and is currently being reviewed by Woody Turner.

Next telecon: 7/13/2017 at noon EDT.