

Summary of the 08/13/2015 PACE-IOP teleconference.

Present Dariusz S., Emmanuel B., Cecile R., Watson G., Susan C., Stephane M., Mike O., Greg M., Jim S., Lorraine R., Zhongping L.

Written in the order of the agenda.

1. No update from HQ.

2. Jeremy sent us by mail the following update from GSFC (please see request highlighted below):

(1) JPL will visit GSFC next week to present their polarimeter concepts

(2) The PACE Project will visit SRON (Netherlands) in early Sep to continue discussions on their polarimeter concept

(3) The Project released an RFI (request for information) for an inexpensive dedicated coastal camera. This would be a bonus instrument if resources are available once the primary OCI and polarimeter are decided upon. To date, somewhere between 10-12 responses to this RFI have been received. This is just an information gathering exercise at this point, with no prescribed next action.

(4) The release of an RFI for an industry-provided polarimeter has been put on hold, at least until the JPL and SRON visits have been completed.

(5) The third of three IDL (instrument design laboratory) studies for the OCI is happening this week. To date, studies on a (1) hyperspectral, multi-camera pushbroom (a la MERIS and OLCI), (2) multi-spectral, multi-detector scanner (a la VIIRS), and (3) hyperspectral scanner (a la SeaWiFS) have been conducted.

(6) We hope to have a PACE Town Hall at Feb Ocean Sciences meeting. Several sessions were approved that have PACE-related foci.

(7) A request for the Science Team: If you are aware of any papers or analyses related in any way to image striping (e.g., uncertainties associated with, destriping methods for, whatever), please pass them along.

These are part of risk reduction activity taken by the group at GSFC in coordination with HQ.

3. January PACE-ST meeting: will take place 1/20-22/2016 at/near Caltech in Pasadena. The 22nd will be a half day.

4. Polarimeter report was submitted to HQ. No feedback on content as of yet.

5. AC: will resume teleconferences in Sep. Resting following push to finalize above report.

Subgroups reports:

3. Synthetic data set (Zhongping L.): IOPs ready and approved. In process of generating AOP's. Two output: with and w/o elastic scattering (the later include Raman, Chlorophyll and CDOM). For CDOM a quantum yield of 1% was chosen.

4. Data set (Cecil R.): First excel spreadsheet circulated. Waiting for feedback. Keep adding data to it.

Greg M. – getting ready to submit a large data set. Emphasizes gaps (e.g. no hyperspectral bb).

Mike O. – working on preparing large hyperpro dataset for submission.

Greg M. would like a group wide discussion on framework to use the in-situ dataset. Will likely take place in January meeting.

Scattering correction: Jim S. and Mike T. are working on data from cruise with Rudy R. where AC-s and integrating sphere were used in-situ. Getting ready for field campaign with two iCAM (new sensor from Turner). Boss reported tests with iCAM during the Ocean Optics class. Dariusz S. asked if filters were taken during the cruise in Europe.

Dariusz had a recent paper published (Applied Optics) on benchtop measurements of absorption using integrating sphere in the visible. Paper will be put on FTP site. Now working on UV.

Boss reported that he is moving to LOV for sabbatical. Will be in US for at least one cruise (Nov.) and several meetings (Jan, Feb, Apr) during the academic year.

Next teleconference: 9/10 @12:00 EST.