

Summary of the 06/11/2015 PACE-IOP teleconference.

Present Lorraine R., Emmanuel B., Cecile R., Wayne S., Dariusz S., Greg M., Stephane M., Tim M., Xiadong Z., Susan C., Mike T., Jim S.

Written in the order of the agenda.

1. Summary from recent AC activities (Remer):

Had 4 webinars discussing the attributes of 4 different polarimeter designs and the science they enabled. Followed up with a 1hr discussion.

Attempting to reach consensus on certain design attributes. Consensus agreement that polarimeter swath width should match that of radiometer (pixel size do not need to match) and hence achieve the SDT goal of 2 Day coverage. Contribution to AC, cloud and aerosol science are discussed, e.g. wrt # of angles. Discussing spectral range (e.g. is there need for UV channels). Whatever claim are being put forward will require evidence (e.g. modeling/measurements studies).

So far nobody has addressed potential contribution to ocean retrieval. Agreed to initiate discussion (not clear it will require any specific design given the paucity of relevant studies to date).

2. IOCS

Relevant sessions/breakout include Hyperspectral Science(Thu.) Polar algorithms (Wed.), Town hall lunch on arctic color/Souther Ocean field initiatives (Tue.), Uncertainties (Tue.).

Boss will videotape the Hyperspectral and Uncertainty sessions to be put on FTP site (if IOCCG grants permission).

Subgroups reports:

- Database: Cecile R.: focus on hyperspectral only (multi spectral in upcoming NOMAD). Got/is getting a variety of new datasets (Ackleson, Mike T.(Sortie, BIOSOPE), Ivona C. (SABOR), and Boss(Tara)). Have gotten help for dataset generation (Kimberley Casey).
- Inversion: Jeremy W. (not present): Asking for feedback on performance metrics of inversion. Looking for time to meet at IOCS.
- Instrument methodology: Dariusz S.: working on individual projects.
- Environmental Methodology: Steve A.: Get together in June around IOSC.
- Synthetic data set: ZhongPing L. (not present): IOPs are done. Will start running Hydrolight simulations to generate AOPs soon.
- Applications/Website: Maria T.: Will get some focus after IOCS. Will present at IOCS on ecosystem applications.

Next teleconference: 7/2 @12:00 EST.