Summary of the 8/11/2016 PACE-IOP teleconference. Present: Lorraine R., Jim S., Cecil R., Susanne C., Mike T., Stephane M., Lachlan M., Collin R., Jeremy W., Steve A., Wayne S., and Antonio M.

Written in the order of the discussion. 1. Updates from HQ and GSFC:

<u>Project update (mostly based on Lorraine's summary for the AC group)</u>: Jeremy had three things to announce.

a) Acquisition Strategy Meeting will be next Thursday at HQ. This will be a presentation by the Project manager to the Associate Administrator and where the procurement decisions will be made on a) how to build the spacecraft and b) how to get a polarimeter. For (a) it is a binary decision: either build it at Goddard or let industry bid on it, and the decision will be based on many things including keeping the industry healthy. For (b) the Project is recommending a release of a joint RFP/AO to cast the largest possible net that would allow all agencies, all NASA Centers, all academic institutions and all industry to submit a proposal. This is because all alternative avenues to obtain a polarimeter have not worked out. The Project's recommendation may or may not be accepted by Headquarters. Andre Dress from GSFC will be present at the meeting.

b) "Coastal camera" (COCI) Canadian Space Agency (CSA) and NRL have proposed to "contribute" a fine resolution hyperspectral image imager to PACE. The Canadian government has made COCI a high priority. Still there will be cost to NASA even if the instrument is contributed. The Project submitted a budget to cover the additional cost of accommodating COCI on PACE. The Budget request was denied. Still the work towards preparing a full package, arguing the science value, and including the budget is still being put together and will hopefully be delivered and hopefully presented to Mike F. Then HQ will make the decision either to proceed or to stand down. So COCI is dead, but not completely dead.

c) There is/will be an Applied Science directive that will describe what an Applied Science component should look like through the entire course of the mission, and not appear as an after thought or add-on. There should be pre-launch Applied Science preparation activities. A PACE budget for Applied Science was submitted by the Project, but he budget was denied with no explanation. The future of Applied Sciences in PACE remains undefined.

Antonio M. and Susanne C. were recently in a meeting in Ottawa to discuss COCI with the Canadian.

Susanne C. added: Strong support from Canada. Interest in setting a coastal Cal/Val station in complex waters.

Antonio M. Added: in the process of preparing a package to HQ. Weill contact the sun group of the PACE-ST who has shown interest. Interested in atmospheric capabilities not only ocean. Expected capabilities: Pushbroom hyperspectral sensor with UV sensing and 100m resolution. Canada is interested in collaborating in PACE beyond COCI.

## 2. IOP state-of-the-art manuscript

Jeremy W. reminds people to add their section. Will circulate update (done). Please work on the new draft. Please provide your section no later than late September so that a clean version will be ready for discussion at Ocean Optics.

Emmanuel B. put it in the PACE-ST FTP site under the 'Report' section. Please add the references you site there as well.

## 3. Absorption inter-comparison exercise

Mike T. – plans for state-of-the-art measurements with in-situ and lab sensors are underway in waters ranging from complex turbid coastal waters to blue ocean. Week prior to ST annual meeting is the target. Pending getting funding (GFSC is helping).

## 4. Input on Cal/Val

Susanne C. – Can our group provide feedback to NASA regarding Cal/Val for PACE? Jeremy W. – while it is likely the purview of the upcoming PACE-ST, the project office is interested in any input we can provide on any aspect of the PACE mission.

5. Ocean Optics, 2016 – please make plans to arrive to Victoria sufficiently early so we can get together on Sunday, October 23<sup>rd</sup>. The meeting will focus on the IOP-inversion-state-of-the-art manuscript and a discussion of the pre-launch algorithm(s). George Fournier from Canada has asked to attend. He is a very respected (an extremely nice and collaborative) scientist in the field of Ocean Optics. Emmanuel B. agreed (as long as there is no objection from ST members).

6. Annual PACE-ST meeting: at Harbor Branch 1/17-19/2017. Watch for email regarding hotel accommodation soon.

Website: <u>http://pace.gsfc.nasa.gov/</u> Contact Annette de Charon (<u>annette.decharon@maine.edu</u>) with content.

Next teleconference: Thu. 09/15/2016 at 12:00 EDT (note change in hour).