Final Agenda for ACE SWG Workshop in Spring 2014

Meeting dates: June 9-11, 2014

Workshop type: Open

Venue: B33-H114, Goddard Space Flight Center, Greenbelt

Workshop objectives –

1. Revisit/update of the ACE science traceability matrices.

2. Reports on the technical readiness of the radar, lidar, polarimeter, and OES

3. Report on orbital scenarios, sensitivity-science trades, international collaborations and their advantages/challenges.

4. Clarify the PACE-ACE connection.

5. Report on ACE white paper and the plans/ideas for the next DS.

Note: Will be an open workshop. Talks are typically 20min, allowing 5-10 min for question/discussion

June 9, 2014

8:30am	**Welcome (David Starr and Dong Wu)**
8:35-9am	**HQ perspective** (Hal Maring and Paula Bontempi) **(25 min)** - The FY14 HQ guideline - Next Decadal Survey
9-9:20am	**SWG objectives** (David Starr and Dong Wu) **(20 min)**
	PACE Updates
9:20-9:50am	Update on PACE and PACE-ACE connection (Paula Bontempi and Hal Maring) **(20 +10 min)**
9:50-10:10am	Update and report on PACE OES measurement requirements (Chuck McClain) **(20 min)**
10:10-10:30am	**Break**
	Progress and updates on aerosol and cloud studies (Mediator: David Starr)
10:30-10:45	Reports on aerosol study, science progress, and activity (Rich Ferrare) **(15 min)**
10:45-11am	Reports on cloud study, science progress, and activity (Jay Mace) **(15 min)**
	Status of ACE Instrument Concepts
	Reports and updates on polarimeters (Mediator: Kirk Knobelspiesse)
11-11:30 am	APS (Brian Cairns) **(20+10 min)**
11:30-12	MSPI (David Diner) **(20+10 min)**
12-1:30pm	**Lunch Break**
1:30-2pm	PACS (Vanderlei Martins) **(20+10 min)**
	HSRL Lidars
2-2:30pm	Update on HSRL lidar development (Chris Hostetler) **(20+10 min)**
2:30-3pm	Requirements, capabilities and status of ISS/CATS (Matt McGill) **(20+10 min)**
3-3:30pm	**Break**
	Radars (Mediator: Deb Vane)
3:30-4pm	Overview of ACE radar concepts – Simone Tanelli **(20+10min)**
4-4:30pm	ACE Radar (GSFC-NGES) – Paul Racette **(20+10 min)**
4:30-5pm	C2D2 (JPL) – Greg Sadowy **(20+10 min)**
5-5:30pm	Discussions

June 10, 2014

	Reports and updates on algorithm development (Mediator: Arlindo da Silva)
8:30-8:50am	Challenges in Atmospheric Correction for Ocean Color retrievals from OES (Zia Ahmad) **(20 min)**
8:50-9:10am	Expanded Spectral Domain for Global Next-Generation Oceanic Algorithms (Stan Hooker) **(20 min)**
9:10-9:30am	Aerosol Type Constraints Required for Ocean Color Atmospheric Correction (Ralph Kahn) **(15 min)**
9:30-10am	Overview of PODEX (Rich Ferrare/David Starr) **(25 min)**
10-10:30	**Break**
	Polarimeteric measurements and algorithms (Mediator: Lorraine Remer)
10:30-11am	Comparisons of Level 1 Measurements (Kirk Knobelspiesse) **(20+10 min)**
11-11:30am	RSP (Brian Cairns) **(20+10 min)**
11:30-12pm	AirMSPI (David Diner) **(20+10 min)**
12-1:30pm	**Lunch Break**
1:30-2pm	PACS (Vanderlei Martins) **(20+10 min)**
	HSRL measurements and algorithms
2-2:30pm	HSRL algorithms (aerosols & clouds) (Chris Hostetler) **(20+10 min)**
2:30-2:45pm	HSRL simulation and sensitivity studies (David Whiteman) **(15 min)**
	Radar measurements and algorithms
2:45-3:15pm	Multi-frequency radar cloud algorithms (Jay Mace/Gerry Heymsfield) **(20+10 min)**
3:15-3:45pm	**Break**
	ACE Science Traceability Matrices (Mediator: Pete Colarco)
3:45-4:15pm	Updates on aerosol STM **(20+10 min)**: Rich Ferrare
4:15-4:45pm	Updates on cloud STM **(20+10 min)**: Jay Mace
4:45-5:15pm	Progress in aerosol data assimilation and ACE (Arlindo da Silva) **(20min)**
5:15-5:30pm	Discussions

June 11, 2014

	Future operational and international plans for aerosol and cloud observations (Mediator: Bob Holz)
8:30-9am	Overview of spaceborne aerosol/cloud passive remote sensing capabilities in 2014-2025 (Andrew Sayer)
9-9:20am	Overview of spaceborne cloud and precipitation radar capabilities in 2014-2025 (Simone Tanelli)
9:20-9:40am	Overview of future international spaceborne cloud and aerosol lidar capabilities (Chris Hostetler)
9:40-10am	Discussions
10-10:30	**Break**
10:30-12	**Summary: Recommendations and Actions (Mediator: Dong Wu/David Starr)** - Polarimeter calibration and algorithm working group (Kirk Knobelspiesse/Jens Redemann/ Rich Ferrare/) - Radar sensor/algorithm working group (Simone Tanelli/Jay Mace) - Path forward for formation flight opportunities and international collaboration (Hal Maring) - Assessment of impacts of de-coupling polarimeter from radar bus - Refine the Science Traceability Matrices (Jay Mace and Rich Ferrare)
12pm	**Adjourn**