

PACE-PAX/PVST/SAT3 2025 Meeting

General Information

February 18-21th, 2025

NASA GISS (Goddard Institute for Space Science)

2880 Broadway, New York, NY

Last update February 15th, 2025

The following are links to useful resources for our meeting, please check them out:

- [Details for online participation](#)
- [Link to Box Drive](#) (upload your talks here)
- [List of Recommended Restaurants](#)
- [Link to meeting website](#)
- [NASA GISS Visitors' Information webpage](#)
- [Whatsapp group for our meeting](#)
- Posters: Posters should be 36" x 48" max in size. If you are recycling a poster and it is larger in size than this, there will be an option to hang it on the walls as well.
- Document to track action items and unanswered questions [[on Box at PAC Actions.docx](#)]
- Our phone numbers in case something happens:
 - Kirk Knobelspiesse: 917-355-4546
 - Ivona Cetinic: 626-200-9374
 - Cecile Rousseaux: 443-739-0093
 - Brian Cairns: 845-764-1334



Agenda	
Date	Tuesday February 18, 2025
8:30-9:00	Registration
9:00-10:00 Introduction	• Introduction and welcome (Brian Cairns/Gavin Schmidt, 10m in) • Housekeeping and organization (Judy Alfter, 10 min) • Status and latest update from NASA HQ (Laura Lorenzoni, 10 min) • PACE Mission updates (including instruments update) and Science Data Segment Overview (Jeremy Werdell, 20 min) • Questions/comments (5 min)
10:00-10:30	Coffee and mingle
10:30-11:00 Team Overview	• PACE-PAX Overview (Kirk Knobelspiesse, 5 min) • PACE-PVST Overview (Ivona Cetinić, 5 min) • PACE-SAT3 Overview (Cecile Rousseaux, 5 min) • PACE-Applications Overview and Discussion (Morgaine McKibben, 10 min) • Questions/comments (5 min)
11:00-12:00 Instrument overview	• OCI update (Gerhard Meister, 15 min, virtual) • SPEXone update (Otto Hasekamp, 15 min) • HARP2 update (Vanderlei Martins, 15 min) • Q&A (15 min)
12:00-13:00	Find a friend and enjoy your lunch!
13:00-14:35 PACE in Practice	• Update from international partners: ◦ EarthCARE (Timon Hummel, 10 min) ◦ EarthCARE/ATLID validation (Rob Koopman, virtual, 10 min) • Status of Ocean Color Rrs (Amir Ibrahim, 15 min) • SVC Update (Susanne Craig, 10 min) • HyperNAV status update (Andrew Barnard, 10 min) • Status of Algorithm Implementation (Amir Ibrahim, 20 min) • Alicia Scott (10 min, virtual) • Q&A about algorithm implementation, data processing, data availability (15 min)
14.35-15.00	Break
15.00-16:45 Dive deeper into PACE	• Status of PACE validation (Inia Soto Ramos & team) – 30 min • Overview of PACE website and the various resources available to you (Carina Poulin) 15 min • Q&A
	TBD -Happy hour/dinner/museum

Date	Wednesday February 19, 2025
9:00-10:30 Poster party	PVST/PACE-PAX show off their amazing results using Posters (Regardless of your group affiliation, show your amazing validation data (plans) here).
10:30-12:00	Collaborative Breakout, choose your favorite topic. • Atmosphere & Land (Kirk Knobelspiesse and Andy Sayer) • Ocean (Ivona Cetinić, Lachlan Mckinna and Cecile Rousseaux) • AOPs (including Amir Ibrahim and friends)
12:00-13:00	Find a friend and enjoy your lunch!
13:00-13.45 Poster Party #2	Come and check out the awesome science done (or that will be done in the future) with PACE! (Regardless of your group affiliation, present your science results here)
13.45-14.00	Group picture
14:00-16:00 PACE flavors	• Innovation through Action (Erin Urquhart) • Collaborative Breakout: Innovation/what can we do with PACE that we aren't doing yet? (Brian Cairns/Cecile Rousseaux)
	TBD - Happy hour/dinner/museum

Thursday: groups are meeting individually so please refer to the agenda for your specific group hereafter

Agenda for PACE-SAT3 on Thursday

Date	Thursday February 20, 2025
9:00-10:15 Introduction and Updates	• Introduction (Cecile Rousseaux/Laura Lorenzoni, 5 min) • Updates from our International Partners (Ewa Kwiatkowska, Vittorio Brando, 25 min, virtual) • SOB/SOT Process (Jeremy Werdell, 15 min) • Expectations for code/data deliveries at the end of the projects (Jeremy Werdell, 15 min) • Q&A (15 min)
10:15-10:45	Coffee and mingle
10:45-12:00 Team Overview	Science mini-talk (5 min each + 2 min Q&A): • Joanna Joiner/Zachary Fasnacht (virtual)

	• Timothy Moore • Daniel Miller • Bingqing Liu • Chuanmin Hu • Soyoung Ha • James Fox • Jacek Chowdhary • Brian Barnes
12:00-13:30	Find a friend and enjoy your lunch!
13:30-15:00 Team Overview	Science mini-talk (5 min each + 2 min Q&A) • Alexei Lyapustin (virtual) • Christian Frankenberg (virtual) • Lorraine Remer • Zhibo Zhang • Pengwang Zhai • Ryan O'Shea • Dave Schimel • Matteo Ottaviani • Fred Huemmrich • Tom Bell • Sasha Kramer • Alison Chase
15.00-15.30	Break
15.30-16:30	• Open discussion • Wrap-up (Cecile Rousseaux and Andy Sayer)

Agenda for PACE-PAX on Thursday/Friday

Date	Thursday February 20, 2025
9:00-9:15	Introduction (Kirk Knobelspiesse / Ivona Cetinić / Brian Cairns, 15 min)
9:15-10:15	Status mini-talk (5 min each + 2 min Q&A): • Shearwater: NOAA instrumentation (Mike Ondrusek) • Shearwater: NASA instrumentation (Ethan Taylor) • Gliders (Matt Oliver) • HyperNAV (Andrew Barnard) • Blissfully (Bridget Seegers) • AERONET (Elena Lind) • Forecasting team (Rei Ueyama/Rocky Garcia, Virtual)
10:15-10:45	Coffee and mingle
10:45-12:00	Status mini-talk (continued, 5 min each + 2 min Q&A): • ER-2: AirHARP (Martins/McBride) • ER-2: HSRL-2 (John Hair/Brian Collister/Taylor Shingler) • ER-2: PICARD (James Jacobsen/Kerry Meyer) • ER-2: PRISM (Holly Bender/David Thompson) • ER-2: RSP (Brian Cairns/Ken Sinclair) • ER-2: SPEX Airborne (Otto Hasekamp/Jasper Mens) • Twin Otter facility instruments (Anthony Bucholtz, virtual) • Twin Otter: LARGE (Luke Ziemba) • Twin Otter: PI-Nephelometer (Adam Ahern, virtual)
12:00-13:30	Find a friend and enjoy your lunch!
13:30-14:00	Data merger (15 min total each) • ISARA Twin Otter merger (Joe Schlosser, virtual) • PRISM/PICARD data merger (Kerry Meyer)
14:00-14:15	Data • Archive status and next steps (Gao Chen) • Check-in on data submission status (Kirk Knobelspiesse, Gao Chen)
14:00-15:00	Initial validation efforts and future plans (15 min total each) • Project science clouds (Chamara Rajapakshe) • Project science FastMAPOL aerosols (Meng Gao) • SPEX Airborne comparisons to HSRL and AERONET (Jasper Mens)
15:00-15:30	Break
15:30-16:15	Post campaign plans; data description and discovery (Kirk Knobelspiesse/ Ivona Cetinić/ Brian Cairns/ Rei Ueyama / Sam LeBlanc)

	• Rei Ueyama: post campaign analysis • Kirk Knobelspiesse: Website, ESSD paper, VTM paper • Kirk Knobelspiesse & Sam LeBlanc: Day by day assessment using flight reports (if time permits) • Others?
16:15-16:30	Wrap up for the day & tomorrow's plans (Kirk Knobelspiesse/ Ivona Cetinić / Brian Cairns)

Date	Friday February 21, 2025
9:30-10:15	Initial validation efforts (15 min total each) • ORCHESTRA observations of PACE (Silke Groß) • PACE validation team clouds (Ken Sinclair) • PACE validation science team aerosols (John Hair/Brian Collister)
10:15-10:30	Coffee and mingle
10:30-11:45	Joint session with PVST & PACE-PAX • Field campaign lessons learned (Sommer Nicholas / Kirk Knobelspiesse / Brian Cairns) • If needed: more discussion on atmospheres/polarimetry/land validation (Andy Sayer/Meng Gao/ Chamara Rajapakshe/Skye Caplan) • Interdisciplinary collaborations (Ivona Cetinić) • Action items and questions unanswered (Brian Cairns / Kirk Knobelspiesse / Ivona Cetinić / Cecile Rousseaux) See PAC3_Actions.docx
11:45-12:00	Recap and wrap up!

Agenda for PVST on Thursday/Friday

Date	Thursday February 20, 2025
9:00-9:15	Introduction (Ivona) (short overview of where we are and what is yet to come)
9:15 – 9:45	SeaBASS Data status (Inia) - Database perspective
9:45 – 10:15	Issues with incoming data • In-water radiometry (Violeta Sanjuan Calzado) • Water depth sampling + volumes (Ivona Cetinić)
10:15-10:45	Coffee and mingle
10:45-12:00	Project updates – each project 5 min total • PVST_AIRSHARP (PI: Liane S. Guild) • PVST_NORTHERN_INIDIAN_OCEAN (PI: Joaquim Goes) • PVST_AUV_GOM (PI: Xiaodong Zhang) • BioGOSHIP (PI: Nicole Poulton) • PVST_SBCR (PI: Stéphane Maritorena) • PVST_GLOC (PI: Mike Sayers) • GNATS (PI: Catherine Mitchell) • PVST_HOTPACE (PI: Fernanda Henderikx-Freitas) • PVST_PRINGLS (PI: Brice Grunert) • PVST_SST (PI: Eric Hochberg) • PVST_SOPACE (PI: Alison Chase)
12:00-13:30	Find a friend and enjoy your lunch!
13:30-15:00	Project update - each project 5 min total • PVST_NCS (PI: Colleen Mouw) • PVST_HSRL_RSP (PI: Johnathan Hair) • PVST_CLOUS_VAL (PI: Kenneth Sinclair) • PVST_VDIUP (PI: Nils Haentjens) • PVST_UVAAP (PI: Omar Torres) • PVST_PBR (PI: Jason Graff) • PVST_POL (PI: Robert Foster) • PVST_SMARTS (PI: Si-Chee Tsay) • PVST_BATS_PLANKTON (PI: Amy Maas)
15:00-15:30	Break
15:30-16:00	Project update - each project 5 min total • PVST_SEASTAR (PI: Stephen Broccardo) • PVST_CALCOFI (PI: Clarissa Anderson) • PVST_WATERHYPERNET (PI: Kevin Turpie)

	• VIIRS_VALIDATION & PACE-PAX (PI: Michael Ondrusek)
16:00 – 16:15	Wrap up for the day & tomorrow's plans

Date	Friday February 21, 2025 (all day SeaBASS Bar – chat with Mike)
9:30-10:15	Issues with incoming data (SMEs lead this - continuation) • Above Water Radiometry data (Dirk Aurin) • Phytoplankton group discussion: ○ where are we with processing? Do people need help?
10:15-10:30	Coffee and mingle
10:30-11:45	Joint session with PVST & PACE-PAX • Field campaign lessons learned (Sommer Nicholas / Kirk Knobelspiesse / Brian Cairns) • If needed: more discussion on atmospheres/polarimetry/land validation (Andy Sayer/Meng Gao/ Chamara Rajapakshe/Skye Caplan) • Interdisciplinary collaborations (Ivona Cetinić) • Action items and questions unanswered (Brian Cairns / Kirk Knobelspiesse / Ivona Cetinić / Cecile Rousseaux) See PAC3_Actions.docx
11:45-12:00	Recap and wrap up!

Friday afternoon NASA GISS employees will be having an informal session with AGU and AMS posters. This will be in the same location as our meeting, and all PAC3 attendees are welcome to stay and join the session.