

ASSFTS-16 Agenda

revised: 22 May 2012

Meeting Details:

Meeting Date/Time: Tuesday, 22 May to Thursday, 24 May 2012

Meeting Location: Pyle Center, University of Wisconsin-Madison, Madison Wisconsin USA

Meeting Web Site: <http://www.ssec.wisc.edu/assfts/>

Local Host: Space Science and Engineering Center, University of Wisconsin-Madison

International Organizing Committee:

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Workshop Points of Contact:

- Maria Vasys, maria.vasys@ssec.wisc.edu (All Meeting logistics)
- Bob Knuteson robert.knuteson@ssec.wisc.edu (Meeting agenda & technical issues)

ABSTRACT Submission Deadline: Monday, 23 April 2012

ASSFTS-16 AGENDA

Tuesday, 22 May 2012

- 08:15 Check in & Registration at the Pyle Center, Uni. of Wisconsin-Madison
- 08:50 Hank Revercomb Welcoming remarks & Logistics
- Programmatic Session #1:** Session Chair – Hank Revercomb
- 09:00 Herbert Fischer **10 years of MIPAS measurements (Invited)**
- 09:30 Henry Buijs **THE ATMOSPHERIC CHEMISTRY EXPERIMENT (ACE): Mission Status (Invited)**
- 10:00 Coffee Break
- 10:30 John Worden **The Aura TES instrument: Status, Science accomplishments, and Future Directions (Invited)**
- 11:00 Kei Shiomi **GOSAT on orbit over 3 years (Invited)**
- 11:30 - 13:00 Lunch Break
- 13:00 Haruhisa Shimoda GOSAT2
- 13:30 Mahesh Sha GLORIA: Status and results from first aircraft mission
- 14:00 Richard Lachance The PHEMOS Weather, Climate, and Air Quality FTS
- 14:30 Coffee Break
- Retrieval Session #1:** Session Chair – Paolo Antonelli
- 15:00 Vivienne Payne Methane from the Tropospheric Emission Spectrometer
- 15:30 Karen Cady-Pereira Ammonia and methanol from the NASA Tropospheric Emission Spectrometer (TES)
- 16:00 Ryoichi Imasu Present status of GHG and meteorological parameter retrievals from GOSAT TANSO-FTS thermal infrared (TIR) data
- 16:30 Break
- 17:00 - 19:00 Poster presentations and reception (Pyle Center)

Poster Session:

Karen Cady-Pereira	Improved Spectroscopy for Infrared Satellite Retrievals and Data Assimilation
Michelle Feltz	Validation of IR Sounder Profiles Using GPS RO
Cathryn Fox	New Measurements of the Water Vapour Continuum in the FIR: Application to Future Space Missions.
Elise Garms	Visualization of Hyperspectral IR retrieval products using McIDAS-V
Jonathan Gero	E-AERI Calibration Performance Certification
Thomas Kurosu	The Carbon in Arctic Reservoirs Vulnerability Experiment (CARVE): Results from 2012 FTS Test Flights and Ground-Based Operations
Jacola Roman	Time to Detect Climate Trends in Precipitable Water Vapor using Hyperspectral Infrared Observations
Andrew Smith	Combining Chlorophyll Fluorescence and Water Vapour Retrievals in GOSAT Data
Andrew Smith	Observing Volcanic Plumes Using Singular Vector Decomposition of MIPAS Spectra
Yu Someya	Observations of Polar Stratospheric Clouds over Antarctica using Thermal Infrared Sensor on GOSAT
Joseph Taylor	The UW Scanning High-resolution Interferometer Sounder (S-HIS)
Stephen Tjemkes	Intercomparison of Retrieval Codes for Hyperspectral Infrared Sounders
David Tobin	Early Checkout of the Cross-track Infrared Sounder (CrIS) on Suomi NPP
David Tobin	Principle Component Analysis of IASI Spectra with a Focus on Non-uniform Scene Effects on the Instrument Line Shape

Wednesday, 23 May 2012

Programmatic Session #2:	Session Chair – Bob Knuteson
09:00	Ronald Glumb The CrIS Instrument and Potential Future Improvements
09:30	Hank Revercomb CrIS on NPP: On-orbit Performance (Invited)
10:00	Coffee Break
10:30	Sebastien Gaugain IASI on METOP: Instrument status (Invited)
11:00	David Tobin IR satellite intercalibration for the GSICS program
11:30 - 13:00	Lunch Break
13:00	Rolf Stuhlmann MTG programme status update
13:30	Tim Schmit High-Spectral Resolution IR Observations for Weather-related Applications
14:00	Jonathan Murray Comparison between the variability in the resolved infrared spectrum from observations and model simulations using reanalysis data
14:30	Coffee Break

Calibration Session #1:	Session Chair – Joe Taylor
15:00 Gaetan Perron	MIPAS Level 1B Overview and Improvements
15:30 Jordi Chinaud	In-Flight Performance of IASI on board METOP-A
16:00	Break
18:00 - 21:00	Banquet (Edgewater Hotel)

Thursday, 24 May 2012

Retrieval Session #2:	Session Chair – Paolo Antonelli
09:00 William Smith	Validation of Satellite Ultraspectral Atmospheric Soundings
09:30 Paolo Antonelli	UWPHYSRET an optimal estimation retrieval package for high spectral resolution infrared observations
10:00	Coffee Break
10:30 Stephen Tjemkes	The MTG-IRS Level 2 processor
11:00 Paolo Antonelli	Preparing for MTG-IRS: Instability derived from hyperspectral infrared sounding and intercomparison of retrieval codes to monitor low level moisture
11:30 - 13:00	Lunch Break

Calibration Session #2:	Session Chair – Hank Revercomb
13:00 Jonathan Gero	The ZEUS climate reference mission
13:30 Joseph Taylor	Absolute Radiance Interferometer (ARI) EDU performance
14:00 Fred Best	On-orbit Radiance Standards using Phase Change materials
14:30 - 15:00	Closing Discussion
15:00 - 17:00	SSEC Tour (Optional)

Notes:

- Oral presentations will be 30 minutes including time for questions.
- Poster size is 4 ft in height and 3 ft in width. Please bring to registration desk.
- Wireless Internet is available.
- Tours of SSEC (1225 W. Dayton St.) will begin immediately after the conclusion of the meeting on 24 May. Please take the minibus at from the Lake Street exit of the Pyle Center.