



Agenda
AIRS Science Team Meeting
May 21-22, 2013
CALTECH
Pasadena, California

Tuesday, May 21, 2013

Session 1: Project Status (Chair: Pagano)

Joao Teixeira	NASA JPL	AIRS Science	8:30 AM
Tom Pagano	NASA JPL	AIRS Project Status and Plans	8:50 AM
Sharon Ray	NASA JPL	AIRS Applications and User Services	9:00 AM
Eric Fetzer	NASA JPL	V6 Validation, Other Documentation, and Loose Ends	9:10 AM
Denis Elliott	NASA JPL	AIRS Operations and Calibration Status	9:30 AM
Thomas Hearty	NASA GSFC	AIRS Version 6 Processing Plan, Distribution Metrics, and Support at the GES DISC	9:50 AM

BREAK **10:10 AM**

Session 2: Weather and Climate (Chair: Fetzer)

Glynn Hulley	NASA JPL	Assessment of AIRS surface air temperatures	10:30 AM
*Brad Zavodsky	NASA MSFC	Recent Activities with AIRS Level-2 Profile Data at the SPoRT Center	10:50 AM
Sun Wong	NASA JPL	Cloud-Induced Sampling Uncertainties in AIRS Temperature and Water Vapor Sounding Retrievals	11:10 AM
Huei-Ping Huang	Arizona State University	The impact of assimilating AIRS observations on the forecast of typhoon tracks	11:30 AM

LUNCH **12:00 - 1:30**

Yuk Yung	Caltech	Tropical air temperature from the troposphere to the stratosphere from AMSU-A/aqua observations	1:30 PM
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Session 3: Atmospheric Composition (Chair: Olsen)

Junjie Liu	NASA JPL	Constraining tropical biosphere CO ₂ fluxes by simultaneous assimilation of GOSAT Xco ₂ and AIRS mid-tropospheric CO ₂ observations	1:50 PM
Xiaozhen Xiong	NOAA	Validation to AIRS Version 6 Methane Product and Some New Results	2:10 PM

Session 4: CrIS Calibration and Geophysical Product Development (Chair: Friedman)

Steve Friedman	NASA JPL	PEATE Status	2:30 PM
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BREAK **3:00 PM**

George Aumann	NASA JPL	Lessons from one year of AIRS/CRIS (NGST L1b) comparison	3:20 PM
Larrabee Strow	UMBC	10 Year AIRS Radiance Trends using PDFs	3:40 PM
*Murty Divakarla	NOAA	The CrIMSS EDR algorithm - Provisional Maturity and Beyond	4:00 PM
Joel Susskind	NASA GSFC	"CrIS/ATMS retrievals using an AIRS Version-6-like algorithm"	4:20 PM
Discussion			4:40 PM

ADJOURN **5:00 PM**

*Remote Presentation



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Session 5: New Retrieval and Methodologies Workshop (Chair: Irion)

Bill Irion	NASA JPL	Welcome and Introduction	8:30 AM
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Cross Platform Synergies:

Eric Maddy	NOAA	Using Sounders and Imagers for Improved Cloud-Clearing	8:50 AM
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Chris Wilson	NASA JPL	A Comparison of Level 2 AIRS Products using Two Different Cloud Clearing Methods	9:10 AM
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Dejian Fu	NASA JPL	Near Surface Ozone Measurements Using Combined TIR and UV Channels on Aura Satellite	9:30 AM
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*Shu-Peng Ben Ho	UCAR COSMIC	Enhancement of the AIRS Temperature and Water Vapor Retrievals using Global Positioning System Radio Occultation Data	9:50 AM
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BREAK **10:10 AM**

Retrievals:

Bill Irion	NASA JPL	Recap of the discussion from the 2011 STM in Maryland	10:30 AM
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Joel Susskind	NASA GSFC	SRT status and plans for Version-7"	10:50 AM
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Xu Liu	NASA LRC	Hyperspectral radiative transfer model and retrieval algorithm in thermal and solar spectral regions	11:10 AM
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William Blackwell	MIT	Neural network retrievals for cloudy atmospheres.	11:30 AM
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LUNCH **11:50 AM**

Jean-Luc Moncet	AER	OSS Talk - TBD	1:30 PM
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Larrabee Strow	UMBC	V6 Observations and Requirements for Improved Retrieval Approaches	1:50 PM
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Bill Irion	NASA JPL	Progress on Optimal Estimation Retrievals in Cloudy Scenes	2:10 PM
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BREAK **2:30 PM**

Open Discussion	ALL		2:50 PM
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ADJOURN **5:00 PM**

*Remote Presentation