



**Final Agenda
AIRS Science Team Meeting
April 21- 23, 2010
Caltech, Pasadena**



Caltech Beckman Institute Auditorium

Wed. April 21, 2010

A.M. Light Refreshments: 7:30 - 8:00

Session 1: Project Overview

Chahine, Moustafa	JPL	<i>Welcome and Introduction</i>	8:00 AM
Pagano, Tom	JPL	AIRS Project Status	8:20 AM
Friedman, Steven	JPL	V6 Status and Plans	8:40 AM
Elliott, Denis	JPL	AIRS Operational Status	9:00 AM

Session 2: Science Highlights - H. Aumann (Chair)

Olsen, Edward T.	JPL	AIRS Tropospheric CO2 Update	9:25 AM
Liu, Junjie	Berkeley	AIRS CO2 Assimilation with EnKF in Carbon Climate Model	9:50 AM
BREAK			10:10 AM
Ruzmaikin, Alexander	JPL	A statistical glance at the L3 data	10:35 AM
Gong, Jie	JPL	Gravity wave properties and propagation derived from AIRS radiance variances	11:00 AM
Ryoo Ju-Mee	JPL	Trajectory analysis of air mass and moisture associated with Atmospheric Rivers events in the west coast of United States	11:25 AM
Guan, Bin	JPL	Local and synoptic-scale characteristics of high-and low-impact atmospheric rivers in California	11:50 AM

LUNCH

12:15 - 1:30

Session 3: Science (Continued) E. Fetzer (Chair)

Casey, Sean	JPL	Regional differences in congestus clouds and the surrounding environment from CloudSat/AIRS	1:30 PM
Li, King-Fai	Caltech	Observed Intra-seasonal Variability in Easter Pacific	1:55 PM
Tian, Baijun	JPL	Vertical moist thermodynamic structure of the MJO in AIRS Observations: An update and a comparison to ECMWF interim reanalysis	2:20 PM
Wong, Sun	JPL	Using AIRS Data to assess hydrologic and thermodynamic budgets associated with the precipitation variability of the south-asian Monsoon	2:45 PM

BREAK

3:10 PM

Session 4: Atmospheric Composition - W. Irion (Chair)

Prata, Fred	Norwegian Institute for Air Research	Satellite detection of volcanic ash from Eyjafjallajökull, Iceland and the threat to aviation: some insights using AIRS and other satellite data	3:30 PM
Vincent, Robert	Bowling Green State University	Recent Evidence for continental shelf methane clathrate instability and proposed emergency plan for NASA to monitor for tropospheric methane above continental shelves globally	3:55 PM
Strow, Larrabee	UMBC	Observations of New Minor Gases with AIRS: NH3 and HDO	4:20 PM
Irion, Bill	JPL	An update on optimal estimation retrievals of CO2 from AIRS	4:45 PM
		Discussion Period	5:10 PM

ADJOURN

5:30 PM

*Remote Presentation

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Thurs. April 22, 2010

A.M. Light Refreshments: 7:30 - 8:00 a.m.

Session 4: Atmospheric Composition - Continued, W. Irion (Chair)			
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Jiang, Xun	University of Houston	Interannual Variability of AIRS Mid-Tropospheric CO ₂	8:00 AM
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Session 5: Water Vapor, Clouds, & Radiation - B. Kahn (Chair)			
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Kahn, Brian	JPL	Multi-moment statistics of cloud and moist conserved variables from the A-Train	8:30 AM
Li, Liming	University of Houston	Recycle Rate of Atmospheric Moisture over Past Two Decades (1988-2009)	8:55 AM
Susskind, Joel	NASA	AIRS products confirm and explain the large recent global negative OLR trend	9:20 AM
Yue, Qing	JPL	On the stratocumulus Clouds from the Collocated AIRS and CloudSat Data	9:45 AM

BREAK ***10:10 AM***

Session 6: V6 Product Development and Test Status - S. Friedman (Chair)			
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Irion, Bill	JPL	Time dependent biases in AIRS cloud-cleared radiances	10:30 AM
Strow, Larrabee	UMBC	Bias and Trend Characteristics of AIRS Cloud-Cleared Radiances	10:55 AM
Strow, Larrabee	UMBC	Evaluation of AIRS RTA Errors versus Viewing Angle	11:20 AM
*Maddy, Eric	NOAA	Status of AIRS V6 Upgrades at NOAA/NESDIS	11:45 AM

LUNCH ***12:10 - 1:30***

Manning, Evan	JPL	ECMWF-derived climatology first guess	1:30 PM
Hearty, Thomas	NASA	Comparisons between AIRS and MERRA	1:55 PM
Susskind, Joel	NASA	Status of AIRS Version 6 at SRT	2:20 PM
Dang, Van	JPL	The difference in V5 and V6 comparison of cloud top properties and the improvements	3:00 PM

BREAK ***3:25 PM***

Fetzer, Eric	JPL	V6 Validation and Testing	3:50 PM
Bauer, Peter	ECMWF	Use of satellite data for medium range weather forecasting at the European Centre for Medium-Range Weather Forecasting (ECMWF)	4:15 PM
Irion, Bill	JPL	Current status on temperature bias trends from AIRS compared to radiosondes	4:40 PM
Ray, Sharon	JPL	AIRS Education and Public Outreach	5:05 PM

ADJOURN ***5:30 PM***



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Salvatori Seminar Room (Mudd South)

Fri. April 23, 2010

A.M. Light Refreshments: 7:30 - 8:00 a.m.

Session 7: Calibration Status - Elliott (Chair)

Elliott, Denis	JPL	Radiometric Calibration Changes for V6	8:00 AM
Manning, Evan	JPL	Level 1C	8:25 AM
Broberg, Steve	JPL	Proposed Changes to the gain and circumvention table	8:50 AM

Session 8: Version 6 Wrap Up & Action Items - Friedman (Moderator)

General Discussion 9:15 AM

BREAK

10:15 AM

Session 9: Version 7 Ideas & Plans - Pagano (Moderator)

General Discussion 10:35 AM

Wrap Up

11:35 AM

ADJOURN

Noon