



FINAL AGENDA
AIRS Science Team Meeting
April 15 - 17, 2008
Caltech
Pasadena, CA



Tues. April 15, 2008

Continental Breakfast From 8:00 - 8:30 a.m.

Session 1: Introduction (Tom Pagano Chair)	8:30 - 10:00
---------------------------------------------------	---------------------

Moustafa Chahine	JPL	Welcome and Introduction	8:30 AM
Ramesh Kakar	NASA HQ	Headquarters Perspective	8:50 AM
Tom Pagano	JPL	Project Highlights	9:10 AM
Deborah Vane	JPL	AIRS/Cloudsat Data	9:30 AM

BREAK **10:00 AM**

Session 2: Climate Processes (George Aumann Chair)	10:30 - 2:50
-----------------------------------------------------------	---------------------

George Aumann	JPL	Deep Convective Clouds	10:30 AM
Joel Susskind	GSFC	Findings related to anomaly trends of AIRS V5 L3 Products	10:50 AM
Eric Fetzer	JPL	AIRS L3 Water Vapor and Temperature Trends	11:20 AM
Quinbin Li	JPL	Vertical Transport of CO2 in Models and AIRS Observations	11:40 AM

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

Baijun Tian	JPL	What is Responsible for the Low-level Moist Preconditioning of the Madden-Julian Oscillation?	1:30 PM
King-Fai Li	Caltech	EOF Analysis of AIRS Radiances	1:50 PM
Alexander Ruzmaikin	JPL	Solar Cycle and AIRS 400 mb Observations	2:10 PM
Amy Braverman	JPL	First Results from Analysis of the AIRS L3Q Data Set	2:30 PM

BREAK **2:50 PM**

Session 3: Clouds and Dust (Brian Kahn Chair)	3:20 - 5:00
------------------------------------------------------	--------------------

Brian Kahn	JPL	Clear Sky and Cirrus Cloud Humidity Distributions Observed by AIRS, Cloudsat and Calipso	3:20 PM
Qing Yue	UCLA	Investigation of Radiative Properties of Thin Cirrus from AIRS using a Fast Radiative Transfer Model	3:40 PM
Shaima Nasiri	Texas A&M	Cloud Phase Assessment from AIRS and MODIS	4:00 PM
Sun Wong	Texas A&M	Using AIRS Temperature and Moisture Retrievals to Quantify the Heating Effects of Dust in the Saharan Air Layer	4:20 PM
Sergio DeSouza-Machado	UMBC	Retrieval of Dust Mass Column and Long Wave Radiative Forcing from AIRS and CALIPSO. (Talk will also include comparisons of AIRS retrieved dust to that of OMI, MODIS and POLDER)	4:40 PM

ADJOURN **5:00 PM**

WIRELESS ACCESS:
USER ID: airsteam
PASSWORD: Hono.hawa11



FINAL AGENDA
AIRS Science Team Meeting
April 15 - 17, 2008
Caltech
Pasadena, CA



Wed. April 16, 2008

Continental Breakfast From 8:30 -9:00 a.m.

Session 4: Assimilation (Bjorn Lambrigtsen Chair)	9:00 - 10:20 AM
----------------------------------------------------------	------------------------

Bjorn Lambrigtsen	JPL	JPL Hurricane Portal	9:00 AM
Liu Junjie	Berkeley	AIRS Humidity Assimilation with Ensemble Kalman Filter and Observation Impact Study Without Adjoint Model	9:20 AM
Brad Zavodsky	MSFC	Transition of AIRS soundings to the National Weather Service	9:40 AM
Will McCarty	NASA	Impact of the Assimilation of AIRS Measurements into a Limited Mesoscale Weather Forecast System	10:00 AM
BREAK			10:20 AM

Session 5: Composition (Bill Irion Chair)	10:50 - 2:30 PM
--------------------------------------------------	------------------------

Bill Irion	JPL	O3 Validation Using Average Kernels	10:40 AM
Wallace McMillan	UMBC	CO Validation/INTEX Results	11:00 AM
Greg Osterman	JPL	Evaluation and Improving the Results of Air Quality Models in Texas Using TES, AIRS and Other Satellite Data	11:20 AM
Ed Olsen	JPL	CO2 Results and Validation	11:40 AM
LUNCH			12:00 - 1:30 PM
Xun Jiang	JPL	Stratospheric/Tropospheric Exchange	1:30 PM
Breno Imbirba	UMBC	AIRS Measurements of 500 mbar and CO2 over Land	1:50 PM
Juying Warner	UMBC	Analysis of Cloud Effects on AIRS V5 Using CO and Co-located MODIS Cloud Mask	2:10 PM
BREAK			2:30 PM

Session 6: Data Systems and Tools (Steve Friedman Chair)	3:00 - 4:20 PM
-----------------------------------------------------------------	-----------------------

Steve Friedman	JPL	Data Processing Status	3:00 PM
Jason Li	GSFC	AIRS V5 Status and Data Services	3:20 PM
Tony Turner	Redlands Institute	Transforming and Visualizing AIRS Geometry and L2 Data in 4D Computer Graphics and ArcGIS	3:40 PM
Stephanie Granger	JPL	Incorporation of Multi-Dimensional AIRS Observations into a GIS: A Case Study Involving Transport of Water Vapor over the Pacific Ocean	4:00 PM
ADJOURN			4:20 PM

WIRELESS ACCESS:
USER ID: airsteam
PASSWORD: Hono.hawa11



FINAL AGENDA
AIRS Science Team Meeting
April 15 - 17, 2008
Caltech
Pasadena, CA



Thurs. April 17, 2008

Continental Breakfast From 8:30 - 9:00 a.m.

Session 7: V5 Validation (Eric Fetzer Chair)	9:00 - 10:30 PM
-----------------------------------------------------	------------------------

Eric Fetzer	JPL	V5 Validation Activities	9:00 AM
Sergio DeSouza-Machado	UMBC	Validation of V5 Cloud Cleared Radiances using ECMWF	9:20 AM
Daniel Zhou	LaRC	AIRS V5 Validation: Case Study	9:40 AM
Bill Irion	JPL	Water and Temperature Validation Using Average Kernels	10:10 AM

BREAK **10:30 AM**

Session 8: V6 Development Status (Steve Friedman Chair)	10:50 - 2:30 PM
----------------------------------------------------------------	------------------------

Steve Friedman	JPL	V6 Development	10:50 AM
Joel Susskind	GSFC	Status of Research at GSFC SRT and Plans for Version 6	11:10 AM
Glynn Hulley	JPL	Intercomparison of the AIRS, MODIS and ASTER Land Surface Emissivity Products Over the Southwestern USA	11:40 AM

LUNCH **Noon - 1:30 PM**

Bill Blackwell	MIT	Evaluation of Potential Enhancements to the Version 6 Cloud Clearing and Profile Retrieval	1:30 PM
Sergio DeSouza-Machado	UMBC	Proposed Improvements in the Version 6 AIRS RTA	1:50 PM
Stephanie Granger	JPL	Proposed Changes to Level 3	2:10 PM

Session 9: Sounder Calibration (Denis Elliott Chair)	2:30 - 4:50 PM
-------------------------------------------------------------	-----------------------

Denis Elliott	JPL	L1C Requirements and Design	2:30 PM
Sergio DeSouza-Machado	UMBC	AIRS L1C Radiance Development	2:50 PM
Evan Manning	JPL	Impact of Spectral Shifts on Retrievals	3:30 PM
Bjorn Lambrigtsen	JPL	AMSU Channel 4 Calibration	3:50 PM
Tom Pagano	JPL	AIRS/IASI Radiance Comparisons	4:10 PM
Joao Teixeira	JPL	AIRS and the GCSS Pacific Cross-Section Intercomparison (GPCI)	4:30 PM

ADJOURN **4:50 PM**

WIRELESS ACCESS:
USER ID: airsteam
PASSWORD: Hono.hawa11