

June 16, Wednesday

Instrument and Algorithm Session

9 AM John Worden and Annmarie Eldering: Opening Remarks and Schedule

9:15 David Rider: TES Instrument Status

9:30 Annmarie Eldering: Observation Changes

9:50 John Worden: Senior Review Status

10:05 Ming Luo / Susan Kulawik / Scott Gluck R12 / Version 6 Algorithm Status

10:20 Bob Herman: Validation Updates

10:35 Coffee Break

11:00 John Worden: Post R12 Products (N_2O , UT delta-d, CH_4 , and SO_2)

11:20 Karen Cady-Pereira: Post R12 cont (Methanol, Acetylene, and Formic Acid)

11:40 Susan Kulawik: Post R12 Other Updates

12:00 – 1:30 (Lunch)

1:30 Richard Eckman: View from Headquarters and Proposal Opportunities

1:50 Stan Sander New: Mission Concepts: GeoCape

2:05 Paul Hamer “The observing requirements for the prediction of ozone”

Chemistry and Climate

2:20 J. Logan “The effects of differences in convection schemes in GEOS-4 and GEOS-5 meteorological fields on CO and ozone in the tropical troposphere as revealed by TES and MLS data”

2:35 Jessica Neu “Diagnosing Strat/Trop Exchange using ozone correlations”

2:55 Coffee break

3:10 Tutu Aghedo “Multi-Model comparison of ozone radiative forcing”

3:30 Richard Dupont “Ozone Chemistry in Boreal Fires”

3:50 Daven Henze “Inverse modeling constraints on NH₃ emissions using TES observations”

4:10: 5:30 Poster Session

6:30 TES Meeting Dinner

Thursday June 17

Water Cycle Session

9:00 Camille Risi “What can we learn from water vapor isotope measurements by satellite about processes controlling tropical tropospheric humidity?”

9:20 Jeonghoon Lee: “Influence of variations of large-scale circulation on tropical water vapor and its isotopic composition”

9:40 Eric Posmentier: “Atmospheric Isotope Modelling as a Basis For Inferring Hydrologic Processes from Satellite Observations of HDO”.

Greenhouse Gasses

10:00 Christian Frankenberg: “CH₄ emissions from Sciamachy data”

10:20 Kevin Wecht “Using the TES data for Adjoint Inverse Modeling of Methane Sources”

10:40 Coffee Break

11:00 Yaping Xiao "What can regional simulations of the ground-based and the TES CH₄ data tell us about high-latitude sources of methane? "

11:20 Annmarie Eldering and Richard Eckman: “Discussion upcoming Aura Call and next senior review”

12:00 - 1:30 PM Lunch

1:30 Ray Nassar: “Chemistry Updates to GEOS-Chem for modeling CO₂ fluxes”

1:50 Susan Kulawik: “TES CO₂ for carbon cycle science”

2:10 Ray Nassar: “CO₂ flux estimates from TES data”

2:30 Kevin Bowman “CO₂ Adjoint”

2:50 Mingquan Mu "Can we obtain the ratio of CO₂ to CO from TES observations?"

3:10 John Worden and Annmarie Eldering: Closing Comments

Posters

- 1) John Worden: TES results for chemistry and climate: Remote sensing advances for characterizing land/atmosphere exchanges
- 2) John Wong: Comparison of WRF-Chem to TES ozone
- 3) Helen Worden "Instantaneous Radiative Kernels for Tropospheric Ozone: Satellite Observations and Model Evaluation"
- 4) Yunsoo Choi: "Contrasting the impact of two wildfires on CO as a biomass burning tracer over Indonesia and North Africa for October-December 2006: The perspective from space with TES"