

Monday

TES instrument (9:00-10:30)

John Worden: Introduction to meeting

Deborah Vane: Welcome from JPL PO mgt

John Worden: TES overview

Douglas Shephard: TES instrument status

Scott Gluck: TES ground data system

Tom Connor: TES stability and interband consistency

Ozone (11:00-12:20; 2:00-3:00)

Willem Verstraeten: Increasing tropospheric ozone over China observed by TES and attributed using OMI NO₂ data and TM5 runs

Jessica Neu: Tropospheric ozone variations governed by changes in the stratospheric circulation

Dejian Fu: Near Surface Ozone over the Canadian Oil Sands Using Combined TIR and UV Channels on Aura Satellite

Jessica Neu: Evaluation of Community Multiscale Air Quality (CMAQ) model ozone from the surface to the upper troposphere using TES, TES/OMI, and in situ measurements

King-Fai Li: An intraseasonal teleconnection of Arctic O₃

Kevin Bowman: Observational constraints on preindustrial to present day ozone radiative forcing from the Atmospheric Chemistry Climate Model Intercomparison Project (ACCMIP)

Kevin Bowman: Attribution of Ozone Radiative Forcing to spatially resolved emissions

New products (3:30-4:10)

Vivienne Payne: Retrievals of Peroxy-Acetyl Nitrate (PAN) from TES

Le Kuai: TES carbonyl sulfite retrieval algorithm and preliminary results

NH₃/CH₃OH/HCOOH (4:10-5:10)

Liye Zhu: What can TES observations tell us about process-based emissions of ammonia?

Karen Cady-Pereira: Retrieving Formic Acid from TES: Algorithm Description and Global Results

Dylan Millet: Applying thermal emission spectroscopy to study sources of atmospheric formic acid and methanol

TES dinner

Tuesday

H₂O/HDO (9:00-10:30)

Samuel Jonson Sutanto: The improvement of HDO/H₂O isotope effects in the TES Lite dataset

Kymerley Samuels-Crow: Comparison of dry and wet season HDO/H₂O at tropical ice caps using TES data

Robert Herman: Validation of TES HDO with airborne measurements

Jung-Eun Lee: Asian Monsoon hydrology investigated with TES and SCIAMACHY water vapor isotope measurements: Implications for speleothem climate record interpretation

CO/CH₄ (11:00-12:40)

John Worden: TES CH₄

Kevin Wecht: High Resolution Inverse Modeling of CH₄ sources in North America

Matthew Alvarado: Evaluation of Recent Spectroscopic Updates and Their Impacts on TES Retrievals

Helen Worden: Decadal record of carbon monoxide (CO) from satellite observations

Ming Luo: TES and MLS jointly retrieved CO profiles

TES data (2:10-4:10)

Lindsay Parker: TES Level 2 Subsetter

Vivienne Payne: Tutorial for new users with opportunity for discussion and practice. Bring your laptop!

