

AIRS Issues/Publications

H2O – Eric Fetzer validation

CO – INTEX POC – W McMillan

To date – radiosonde validation in process for T, H2O

UT- could use DC-8 data

J Livingston – 1-2 Papers on H2O vapor retrievals to sondes, AATS, A/c water vapor

Paper - AATS columns, profiles to satellite

AIRS-Origin Papers

- W McMillan – (1) AIRS vs DACOM (W McMillan)
(2) AIRS vs MOPITT - J Warner
- J Podolske, G Diskin – AIRS vs DLH
- L Thornhill/J Barrick – AIRS vs Cryo

Gaps, needs – Regional comparisons (J Moody GOES specific humidity)

MISR-Origin Papers

- Kahn - INTEX campaign validation of space-based multi-angle imaging derived aerosol types (size, shape, SSA, angstrom expt). Includes AATS team, UHI Team (Clarke), RHB (Quinn), P Pilewskie (SSFR). Properties and “golden days” in depth [22/7, 7 Aug]
- Kahn++ – 3D “volume closure” for 7 Aug case
- Gaps/Opportunities? – 4-5 other days with one a/c, either J-31 or DC-8. 4 total DC-8 days, 4 total J-31; two with overlap

MOPITT-Origin

- Emmons – DACOM-MOPITT

Ozone and NO₂

- **SAGE Limb-Scattering**
 - Taha, Rault – Ozone and NO₂: with IONS-OSIRIS-RAQMS
- **SCIA-RAQMS**
 - Martin, Pierce, Cohen - NO₂ columns
- **O₃ / CO(?) – Integrated Observing Strategy NOW**
 - Avery, Thompson, Browell ++

MODIS Aerosol & Cloud

- A Chu (?) – MODIS aerosols, AATS
- Pilewskie - Cloud opt depth & effective radius, effects of aerosols above clouds & satellite retrieval
- Kondragunta – GOES and MODIS. Spatial, temporal aerosols – PM_{2.5}. Compare forecasts. Augment on-going GOES-Aeronet comparisons
- Shinozuka, Clarke – Aerosol retrievals from MODIS, MISR as tool for CCN proxy

Gaps/Opportunities

- MLS – Ozone/IONS – when did MLS data start?
- MOZAIC – LTO ozone, CO available
- Satellite Data Assimilation – AIRS, MOPITT, MODIS, TOMS, SAGE-III-LS