

Agenda

*Location: American Geophysical Union, 2000 Florida Ave NW, Washington DC
Meeting Dates/Times: from 10 am on 3 Oct to 5 pm on 5 Oct, 2006*

Tuesday: 10:00 am

Welcoming remarks (Ellingson, 5-10 min)
DOE Remarks (Ferrell and Alapaty, 10-15 min each)
Brief History of the IRF (Ellingson, 30 min)
Translator / VAP report (Long, 20 min)
Translator review discussion (Comstock, 30 min)
Current and future VAPs (introduction only; discussion will occur in breakout sessions)
 QME AERI LBLRTM (Delamere, 5 min)
 SW QME (Long, 5 min)
 AERI vs. IRT VAP (Turner, 5 min)
 Others?
Instrument report (Liljegren 30 min)

Lunch (12:30 – 1:30)

BBHRP issues for SGP/NSA/TWP (Mlawer, Jensen, Mather, total 90 min)
AVA presentation (Clothiaux, 20 min)
Break (15 min)
Second AMF (Wiscombe, 20 min)
ARM Air presentation (McFarquhar, 20 min)
IOP Overviews (short, 5 min each max)
 NSA Radiometer IOP (Long)
 Diffuse IOP at SGP (Michalsky)
 RHUBC (Turner)
 MWR IOP at SGP (Cadeddu / Liljegren)
 CLASIC (McFarquhar)
 ISDAC (McFarquhar)
 Others?
DQ Office recent developments (Kehoe, 10 min)

Adjourn at 5:30

Wednesday: 8:30 am

CLOWD Session

1. Overview: CLOWD Past, Present & Future (Vogelmann)
2. Combined AERI and MWR Retrievals (Turner)
3. Flux Analysis & Thin Cloud Optical Depths (Long & Barnard)
4. How can we interpret ARM 2NFOV measurements in the COPS experiment? (Chiu)
5. Retrieving cloud properties from new Shortwave Spectrometer (SWS) observations (Chiu)
6. Cloud structure from simultaneous ground-based measurements of fluxes and radiances (Los)

Morning Break (10 to 10:30)

7. Comparison of Clouds of Low Optical (Water) Depth derived using VISST (Khayer)
8. Lidar Solar background for retrievals of cloud optical depth (Chiu)

CLOWD Future Plans and Proposals

9. CLOWD Plans at COPS
 - a) COPS Overview (Turner)
 - b) Microwave Validation Experiment in Support of CLOWD (Vogelmann et al.)
10. Proposed New Instrument: TC-RSR (Thin Cloud Rotating Shadowband Radiometer) (Min, Vogelmann)
11. Discussion and other proposals
12. Future plans

Lunch (12:30 – 1:30)

Breakout sessions

Discuss current and future VAPs; especially prioritizing VAP efforts

Atmospheric and surface properties (Chairs: Ellingson and Turner)

Kiedron: UV-RSS ozone daily variation from Table Mt. and model impacts

Long: Flux analysis update

Clough: Current activities with the LBLRTM and monoRTM

Li: A simple method to estimate evapotranspiration (Wed afternoon)

Chan: Satellite-retrieved surface radiative fluxes: validation and recent developments

Gueymard: Broadband vs. spectral radiative closure

Delamere: QME AERI / LBLRTM discussion

Long: SW QME discussion

Turner: AERI vs. IRT QME discussion

Turner: Requirements for a Raman lidar at TWP and NSA

Takara: ICRCM3 – comparing longwave radiation codes with clouds
Mlawer: CIRC ?
Others?

Instruments (Chair: Long)

Kiedron: RSS Status, AODs from ALIVE
Morris: IR sky imager status
Morris: EF IRT status
Pommier / Pilewskie: results from the new SWS
Stoffel: PIR calibration results
Michalsky: transfer of World Radiation Center standard reference to ARM
Hodges / Michalsky: MFRSR status (new loggers, filter/detector replacement, calibration, impact on aerosol optical depths, etc)
Hodges: Cessna-mounted MFR for albedo obs over the SGP
Turner: Raman lidar status
Turner: status of AERI upgrades
Wiscombe: Sampling the NIPs at 1-s resolution
Liljigren: SBIR as an instrument incubator
Rad flux profilers, scanning IR flux radiometers, etc.

Adjourn at 5:30

Thursday: 8:30 am

Continuation of the breakout sessions
Convene any other needed breakout sessions, as needed.

10:30: Reconvene plenary session

Objective of this session is to recommend and prioritize action items for the ARM infrastructure. This includes instruments, VAPs, IOPs, etc.
Chairs will provide summaries of the discussions in each breakout session
Group discussion

Lunch (12:30-1:30)

Continuation of plenary session to recommend/prioritize action items

4:00 Other business:

Rename IRF working group (Wiscombe, 15 min)
Steering committee membership / discussion of adequacy of the focus groups (Wiscombe, 15 min)
Radiative Flux Profile workshop advertisement (Wiscombe, 15 min)
Host of next meeting

Meeting ends by 5:00 pm
