

IHOP_2002 Water Vapor Intercomparison Workshop

2-3 October 2003

National Center for Atmospheric Research
Atmospheric Technology Division Atrium
Boulder, CO

Thursday, 2 October 2003

8:30 am Continental breakfast provided

Introduction:

9:00 am Welcome, meeting goals and logistics (Parsons)
9:10 am The role of intercomparisons within IHOP (Wulfmeyer)
9:20 am The UHOH ESA WALES/IHOP Project (Wulfmeyer)
9:30 am IHOP Intercomparison Overview (Behrendt)

Instrument Specifications and Performance:

9:40 am Radiosondes, dropsondes, reference radiosondes (Wang)
10:00 am GPS (Braun)
10:15 am S-Pol Refractivity (Weckwerth)
10:30 am Break
10:50 am GSFC SRL (Whiteman)
11:10 am DLR DIAL (Kiemle)
11:25 am NASA LASE (Browell)
11:45 am LEANDRE II (Wulfmeyer)
12:00 pm Lunch on your own

Comparisons:

1:00 pm LEANDRE II/DLR DIAL Formation Flights (Behrendt)
1:20 pm DLR DIAL/LASE (Behrendt)
1:40 pm SRL/LASE (Di Girolamo)
2:00 pm SRL/Snowwhite (Di Girolamo)
2:20 pm SRL/DLR DIAL (Behrendt)
2:40 pm GPS/Radiometers/Radiosondes (Braun)
3:00 pm Break
3:20 pm Radiosondes, dropsondes, reference radiosondes (Wang)
3:40 pm LEANDRE II/KA, LEANDRE II/P-3 (Weckwerth)
4:00 pm S-Pol Refractivity/SRL/AERI/Surface Stations/Aircraft (Weckwerth)
4:20 pm Adjourn for the day

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Discussion, Future Efforts (9:00 am – 12:00pm):

- Refinement of data for comparisons
- Blind Test
- Detailed Structure of data analysis procedure from each DIAL group
- Error correlation matrixes