Integrated Precipitation Hydrology Experiment (IPHEx)

We highlight a few cases from the IPHEx and RADEX campaigns:

- **Nov-Dec, 2015: Radar Definition Experiment (IPHEx)/OLYMPEX**
- **NASA ER-2 remote sensing aircraft was instrumented with 3 radars @ 4 frequencies from X- to W-band.** Also, the UND Citation, ground-radar, and DC-8 (OLYMPEX) participated.

- Column physics has been a high priority in these campaigns, to better understand what is observed from spaceborne radars and radiometers, and the characteristics of clouds and precipitation below.

**Objectives**

- NASA's Global Precipitation Mission (GPM) and Aerosol Chemistry Ecosystem (ACE) Mission Formulation have conducted two recent field campaigns using the instrumented NASA ER-2:
  - May-June, 2014: Integrated Precip. and Hydrology Experiment (IPHEx)
  - Nov-Dec, 2015: Radar Definition Experiment (IPHEx)/OLYMPEX
- Here we highlight a few cases from the IPHEx and RADEX campaigns with emphasis on the ER-2 radar measurements, and preliminary microphysical retrievals.
- NASA ER-2 remote sensing aircraft was instrumented with 3 radars @ 4 frequencies from X- to W-band. Also, the UND Citation, ground-radar, and DC-8 (OLYMPEX) participated.

**Relevant Papers**

