

# **Cloud Property Working Group Activities**

***Current Chairs***

***Michael Jensen, Eugene Clothiaux***

## **Current Emphases – There are two**

Retrieving microphysical and radiative properties of liquid, ice, mixed phase and precipitating clouds

Maintenance of Core Instruments and VAPS for this process has been identified as the highest priority

But we have yet to eliminate constant surprises in the data that we ought to identify and eliminate much more quickly than we currently do

## **New Approach within Existing Infrastructure**

End-to-End groups within the Infrastructure and Science Team organized around a data collection principle

Test Group: Radar End-to-End Group

Deal with all aspects of ALL ARM radars from hardware to data ingest to VAP processing to data quality to upgrades and fixes ALL with feedback

Make the entire ARM resource train explicit within the members of the group

**Exploratory Meeting: 1:30-3:00 Breakout Session Today**

## **Interface of ARM Data and Retrievals with Modeling Community**

ARM Radar Simulator for Model Evaluation/Improvement

ARM Retrieval Results Packaged to Assist Model Evaluation

Today's MPACE talks by Greg McFarquhar, Matthew Shupe, and Ann Fridlind present a compelling set of interactions between scientists with in situ observations and ground-based retrievals and a scientist who is utilizing them in a set of liquid/ice particle process studies

## **Resource Allocation Question: Facilities, Instruments, and VAPS**

### **Shutdown of Nauru Site**

Keep the site as is?

Substantially reduce the costs of this site, but maintain it as a radiation station?

Eliminate it?

### **Retirement of SGP Radar Wind Profiler at 50 MHz**