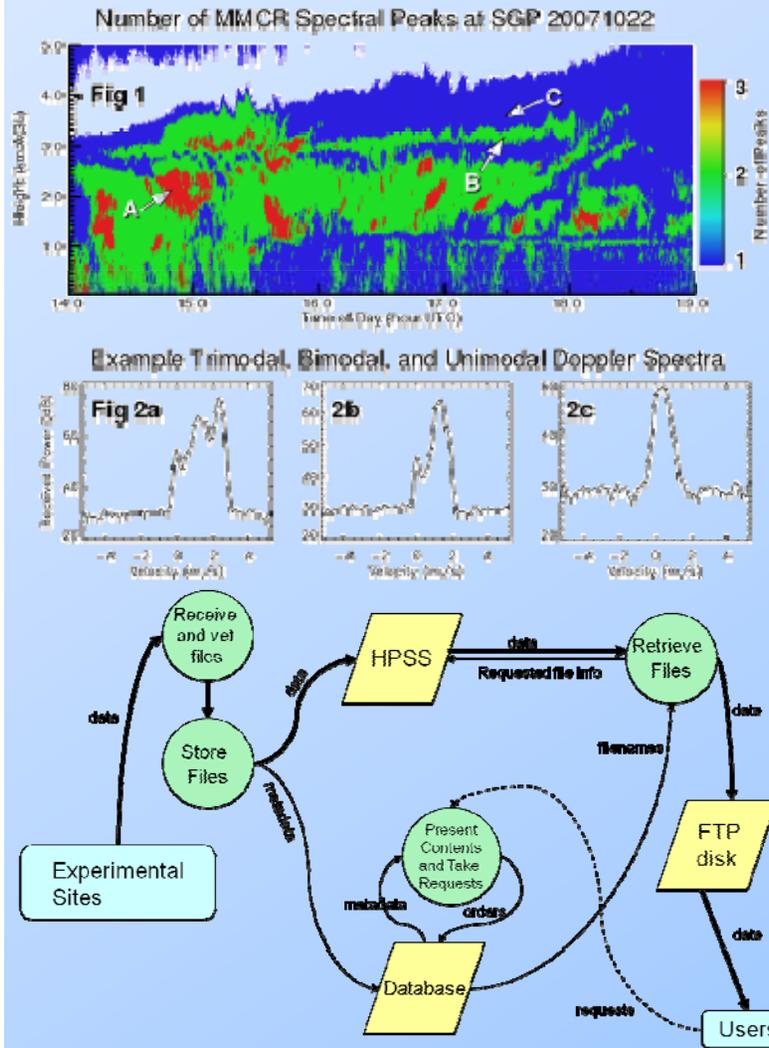


Atmospheric Radiation Measurement Program

Data Systems Sciences & Engineering Group

Computational Sciences & Engineering Division



- **Problem Statement:**
 - ARM focuses on obtaining continuous field measurements and providing data products that promote the advancement of climate models
- **Technical Approach:**
 - Cloud and radiation measurements gathered from instruments on the ground, attached to aircraft, and placed on ships
 - Measurement data stored and distributed via Data Archive
 - Data to research atmospheric radiation balance and cloud feedback processes critical to understanding climate change
- **Benefit:**
 - A primary objective of the program is improved scientific understanding of the fundamental physics related to interactions between clouds and radiative feedback processes in the atmosphere
- **Technology Readiness Level 9**

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