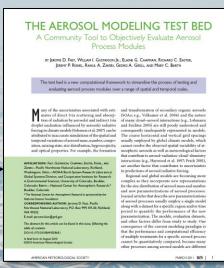
Using ISDAC Data as a Testbed for Evaluating the Performance of CAM5 Physics Treatments in the Arctic

Jerome Fast and Phil Rasch

- Evaluate CAM5 physics suite within WRF at higher spatial resolution more compatible with data
- Compare CAM5 physics modules against more complex and expensive representations using systematic and consistent methodology of the Aerosol Modeling Testbed
- Use performance metrics to identify more desirable parameterization choices for both models

Photo: NASA P3-B

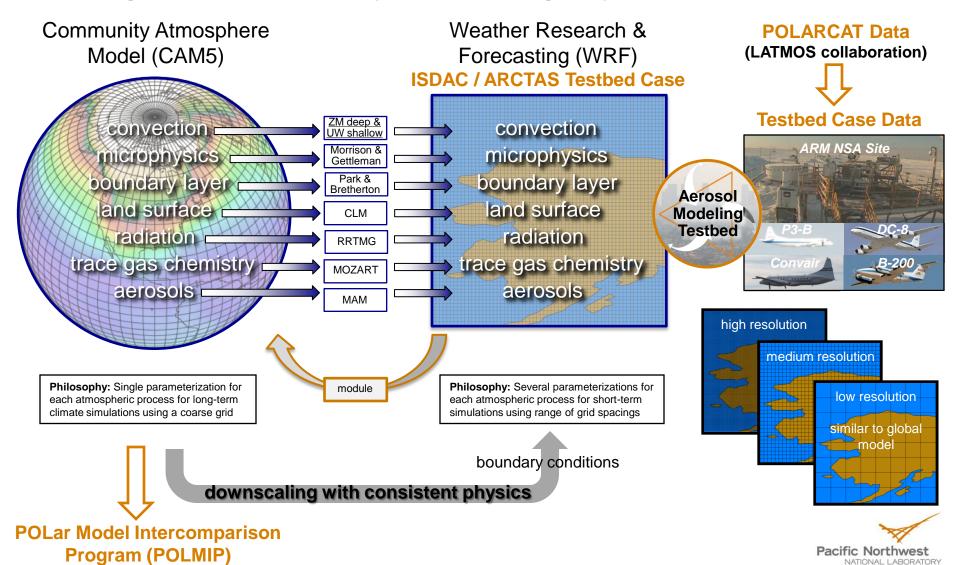


BAMS March Issue

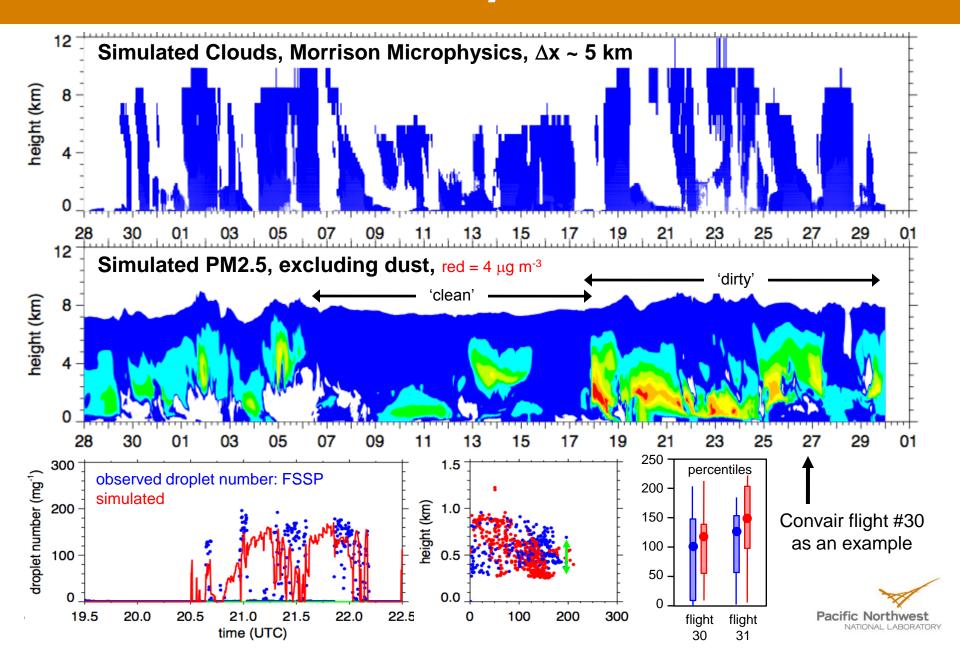


Concept

Using The AMT for Earth System Modeling Project on Arctic Processes



Preliminary Results



DC-8 Flight: April 16, 2008

Simulated CO and Aerosols Usually Too Low and Poorly Correlated with Data

