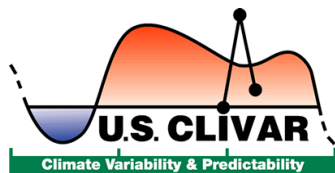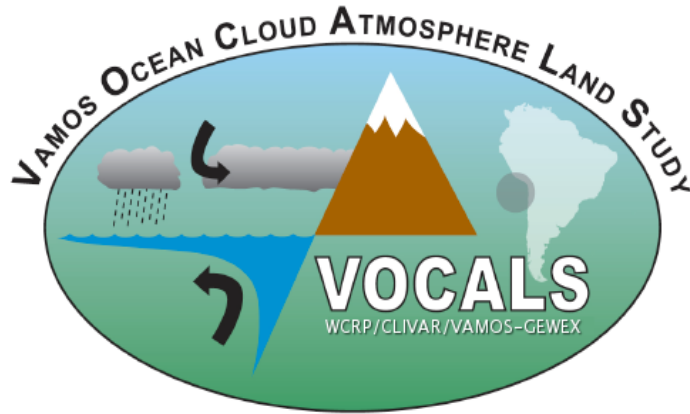VOCALS
VMW1 – NCAR, May 18-20, 2007
Organization

Goals of VOCALS

- **Improved simulation of the large-scale circulation in the atmosphere and ocean: elimination of CGCM systematic errors.**

- **Improved representation of the aerosol indirect effects over the SEP by regional and/or global models.**

- **Validation of techniques that provide satellite estimates of Scu microphysical properties**

VMW1 - GOALS

1) **Revise** the scientific hypotheses of VOCALS modeling;

2) **Identify** the models to be used in VOCALS, examine their readiness, and review their difficulties with the key processes in the region;

3) **Design** strategies for model validation using VOCALS datasets;

4) **Determine** whether there are any critical gaps in the plan of the VOCALS REx;

5) **Agree** on the modeling support for REX;

6) **Update** VOCALS Modeling Plan.

WORKSHOP Agenda

- VOCALS Modeling Hypotheses and REx

- Plenary Session: Model Readiness

- Break-out groups: Strategies for Model Validation and development

  A. Regional Models

  B. Aerosol/Cloud

  C. Global Models

  D. Aerosol/Transport

- Plenary Session on Modeling-Rex Integration

- Update of VOCALS Modeling Plan

Plenary Sessions

1. Briefly review outstanding model issues in reference to VOCALS goals.

2. Discuss the models readiness to address these issues

3. Identify crucial model limitations and key areas for model improvement

4. Present candidate models for VOCALS and suggest strategies for model validation.

5. Facilitate Modeling-Rex integration

Following Sessions

1. Break-Outs

2. Plenary on VOCALS Regional

3. Plenary on Operational Support for Rex

4. Plenary on VOCALS Mod-Rex integration

5. Breakout on update of Modeling Plan

6. Data support, Outreach, Proposal submission