

**Monday, November 10, 2008**  
**MARS GENERAL CIRCULATION AND CLIMATE: MODELS**  
**11:00 a.m. – 12:30 p.m.**

**Chair: S. Bougher**

Haberle R. M. \* Wilson R. J. Hollingsworth J. L. Kahre M. A. **(Invited, 20 minutes)**

[\*Status of the NASA/NOAA Mars General Circulation Model\*](#) [#9113]

We will discuss the current status of the NASA/NOAA Mars General Circulation Model.

Forget F. \* Millour E. Gonzalez-Galindo F. Lebonnois S. Madeleine J.-B. Meslin P.-Y. Montabone L. Spiga A. Hourdin F. Lefevre F. Montmessin F. Lewis S. R. Read P. Lopez-Valverde M. A. Gilli G.

[\*Modeling the Martian Atmosphere with the LMD Global Climate Model\*](#) [#9054]

The Global Climate Model developed at LMD (Paris) in collaboration with IAA (Spain), AOPP and the OU (UK) has been improved. It is used for many applications (water, dust, CO<sub>2</sub>, radon cycles, photochemistry, thermosphere, ionosphere, etc.).

Takahashi Y. O. \* Hayashi Y.-Y. Odaka M. Ohfuchi W.

[\*High Resolution Simulations of the General Circulation of the Martian Atmosphere: Small and Medium Scale Disturbances and Dust Lifting Processes\*](#) [#9082]

The high resolution simulations of the martian atmosphere are performed by using a Mars general circulation model to obtain some insights into the features of small and medium scale atmospheric disturbances and its effects on dust lifting process.

Akingunola A. \* McConnell J. C. Kaminski J. Farahnaz F. R. Wu D.

[\*The Second Generation of the Global Mars Multiscale Model\*](#) [#9090]

We present the second generation of the Global Mars Multiscale Model (GM3v2).

Mischna M. A. Wilson R. J. \* **(Invited, 20 minutes)**

[\*The Mars General Circulation Model Intercomparison Study\*](#) [#9088]

We revisit the Mars GCM intercomparison study begun in 2007, and introduce new results provided from additional teams. At present, the intercomparison consists of 10 distinct model architectures from six modeling teams.

**12:30 – 2:00 p.m.**

**LUNCH**