

US CLIVAR **MJO Working Group** Report for the 2006 Summit Meeting
Prepared by D. Waliser and K. Sperber

1. Please give a brief summary of the foci and goals of your Working Group.

- Develop a set of metrics to be used for assessing MJO simulation fidelity and forecast skill.
- Develop and coordinate model simulation and prediction experiments, in conjunction with model-data comparisons, which are designed to better understand the MJO and improve our model representations and forecasts of the MJO.
- Raise awareness of the potential utility of subseasonal and MJO forecasts in the context of the seamless suite of predictions.
- Help to coordinate MJO-related activities between national and international agencies and associated programmatic activities.
- Provide guidance to US CLIVAR and the Interagency Group (IAG) on where additional modeling, analysis or observational resources are needed.

2. Please provide a brief description of the Working Group's activities during the past year (August 2005-July 2006).

Teleconferences

- 3 May 2006
- 31 May 2006
- 27 June 2006

Meetings

- 1st Working Group Meeting July 25-26

Interactions with other US CLIVAR Panels

- Coordination of potential joint workshop with CLIVAR AAMP in 2007.

3. What science, coordination, and/or planning activities, e.g., scientific workshops; special sessions at AGU/AMS meetings; focused planning workshops; have been catalyzed or organized by your Working Group? What outcomes of these activities could be promoted to the agencies as noteworthy? To the climate research community?

Our most substantial achievements to date have been:

- Through the three telecons and email have begun to develop a set of uniform metrics to be applied to model diagnoses of the MJO, with plans to also develop them for MJO forecasts as well. Our plans are to post these metrics on the web site as well as write them up for publication.
- Development of an agreed upon agenda for the working group articulated above.
- Development, with the help of C. Stephens, of our WG web page. One outstanding pending item is the incorporation of ~ 1 page discussions/results concerning the connections and implications of the MJO to applications and other components of

- the weather and climate system (e.g., hurricanes, ENSO, high-latitudes, etc).
- Planning for our first Working Group Meeting in July.
 - A number of members took part and took advantage of the following two meetings to help frame the WG agenda and plans:
 - WCRP/ThorpeX Workshop on the Organization and Maintenance of Tropical Convection and the Madden Julian Oscillation, Trieste, Italy, March 13-17, 2006.
 - "Diagnosing, Modeling, and Forecasting Subseasonal Atmospheric Variability", AGU, May 23-25, 2006, Baltimore, MD. *This session was chaired by Waliser and Weickmann, two of the WG members.*
 - We are only beginning to discuss possibilities for a focused workshop, probably spring of 2007, and possibly in conjunction with the CLIVAR AAMP.
 - We have lobbied for international participation and received support for this through both the US CLIVAR and International CLIVAR programs.
- 4. What would your Working Group consider to be its greatest successes to date?**
- Progress on MJO metrics for model assessment.
5. [for Panels only]
- 6. What concerns does your Working Group have about its activities and its role in US CLIVAR?**
- None identified to date.