

# MJO Breakout Session

CMMAP Team Meeting

July 28, 2009

# Agenda

- 1:45-1:50 Introduction
- 1:50–2:10 **Gabriel Williams:** Modeling of Diabatically Forced Tropical Circulations
- 2:10-2:25 **Partha Mukhopadhyay:** Analysis of subgridscale cloud processes versus MJO regime
- 2:25-2:45 **Bo-Wen Shen:** "Hierarchical Multiscale Interaction during Tropical Cyclone Formation associated with an MJO or AEW."
- 2:45-3:00 **Dave Randall:** Analysis of the SP-CAM Coupled to a Slab Ocean Model

# Agenda

3:00-3:15 **BREAK**

3:15-3:30 **Marat Khairoutdinov: SP-CAM**

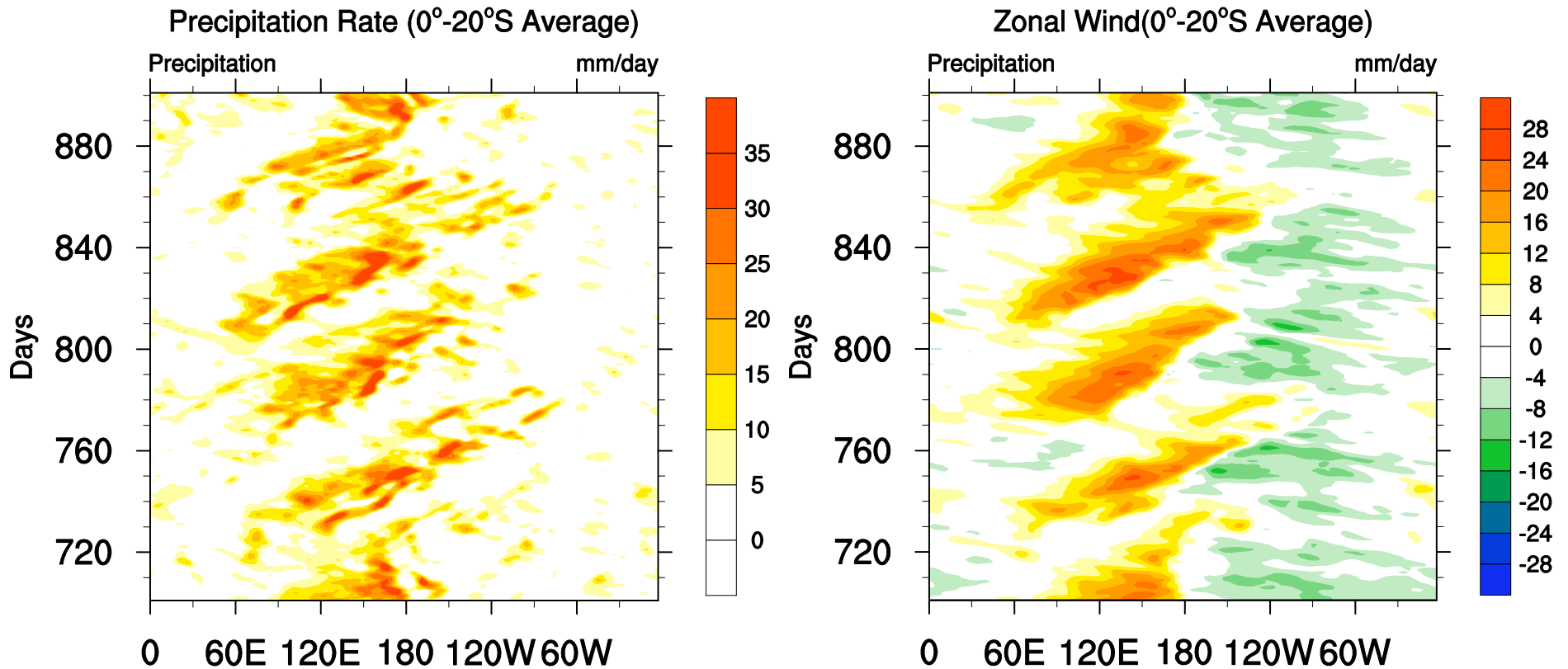
Sensitivity Experiments

3:30-3:40 **Mitch Moncrieff: "Summary of YOTC  
Implementation Workshop"**

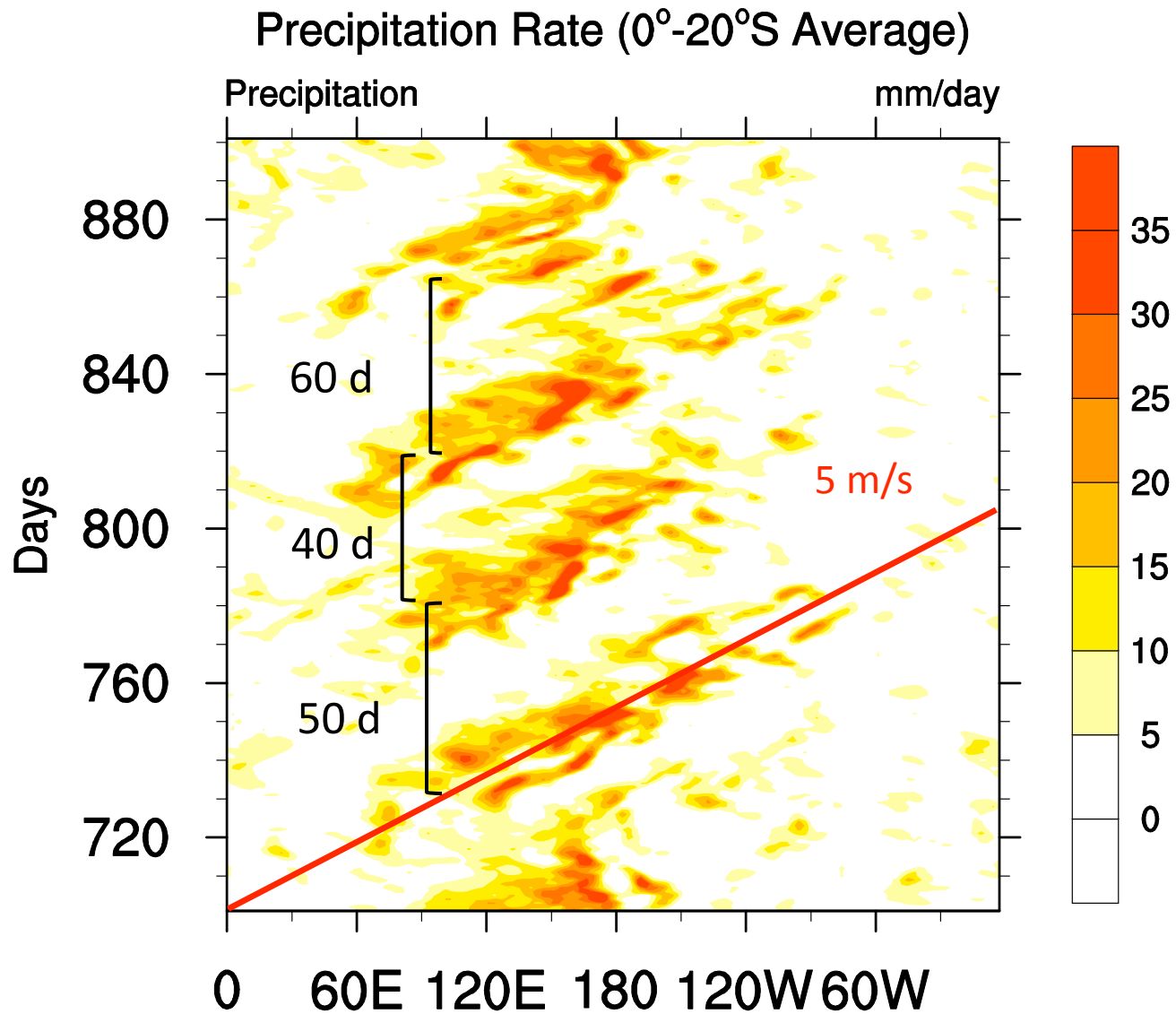
3:40-4:00 **Discussion**

# Other Work: Conventional Parameterization in CAM3

## Unfiltered Data

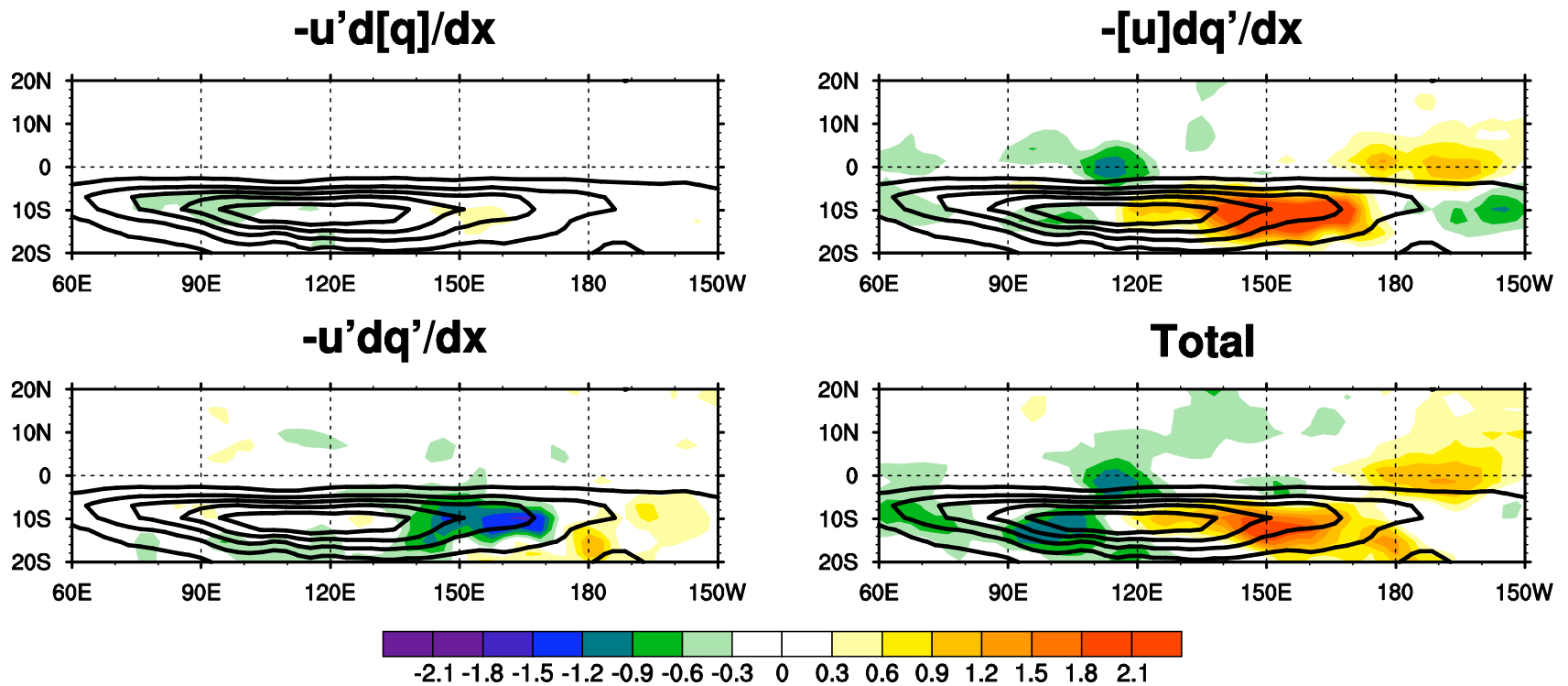


# GCM Unfiltered Precipitation vs. Longitude

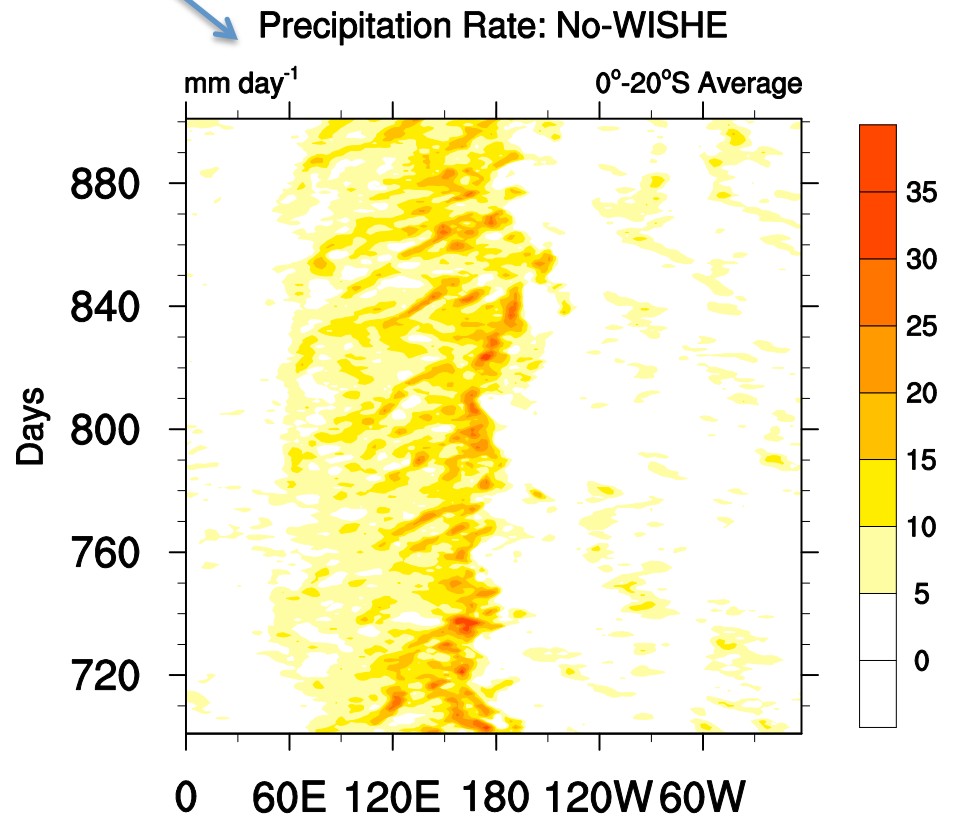
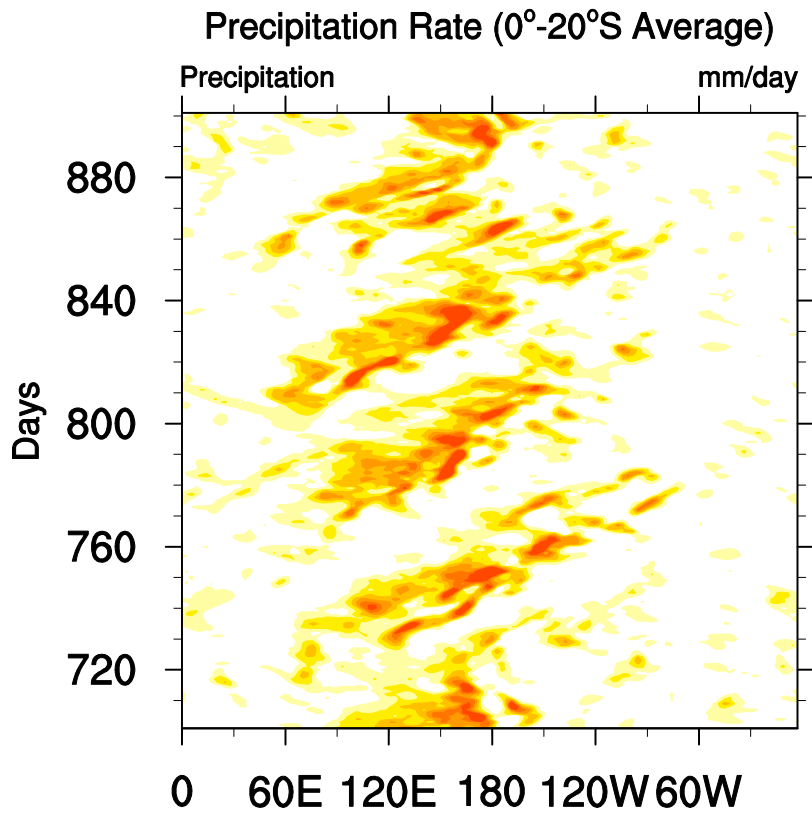


# Zonal $q$ Advection

Unfiltered Composite Precip and Zonal  $q$  Advection ( $\text{mm day}^{-1}$ ): Phase 5



# Removing WISHE



# Discussion

- What have the major accomplishments of the MJO Breakout Group been to date?
- What should be the focus over the next 5 years?