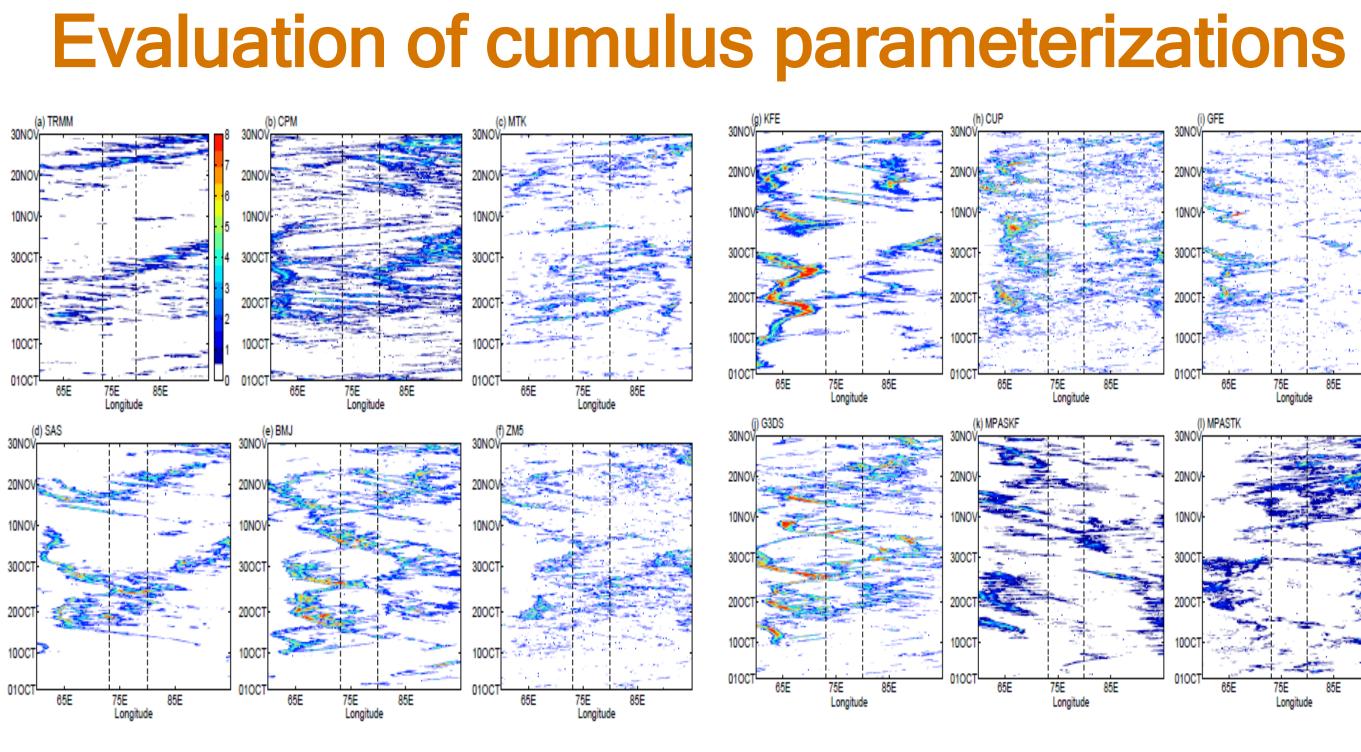
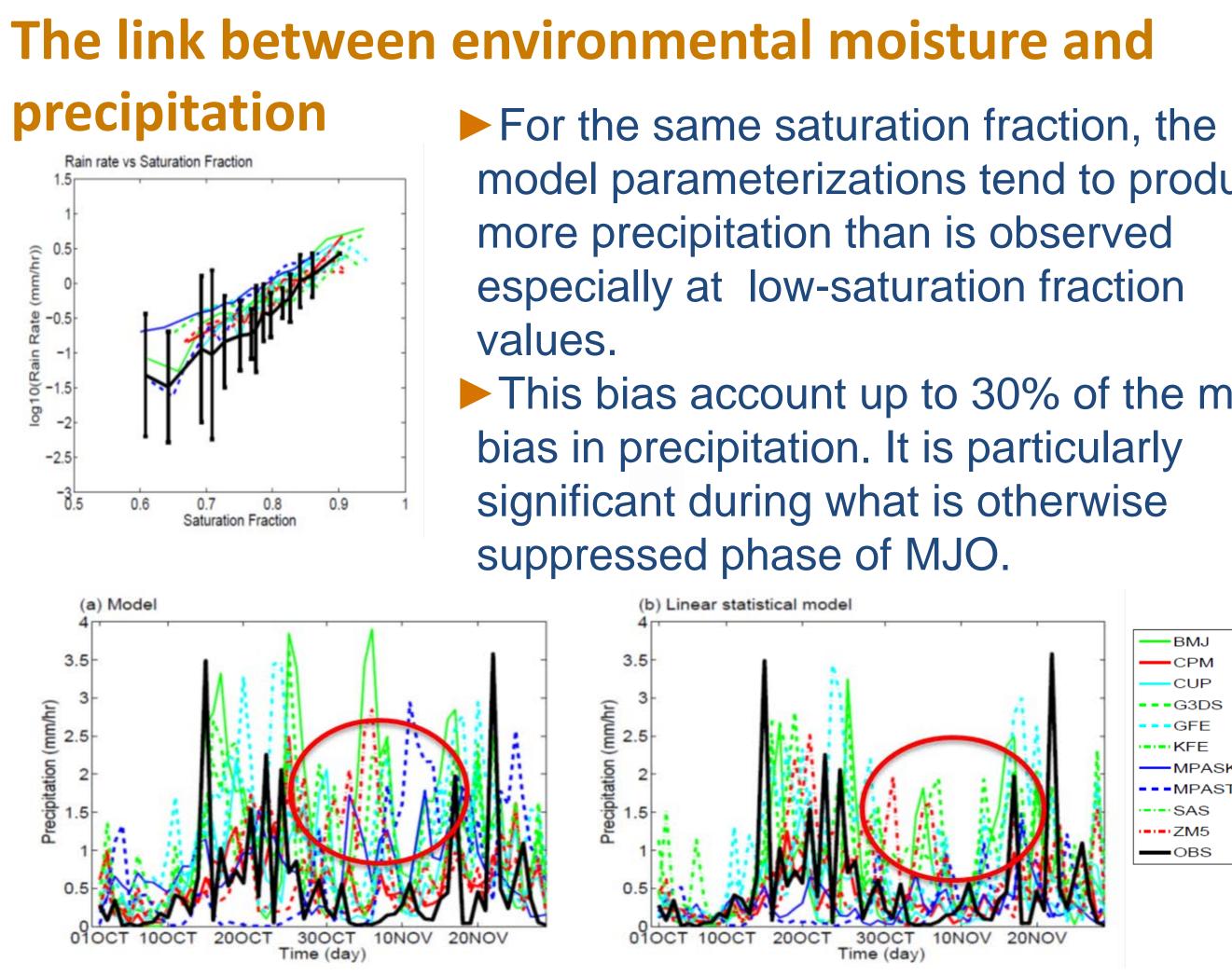




- Cloud permitting model simulations show good representation of observed organization of clouds in MJO.
- The shallow to deep convection transitions observed in MJO are found to be linked to increase in mid-level specific humidity by large-scale vertical advection and decline in the meridional advection of dry air.



fairly common bias in the simulations.



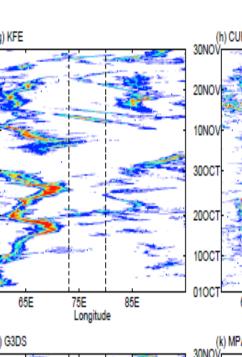


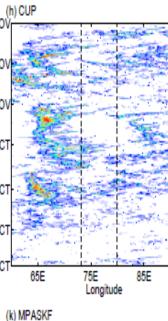


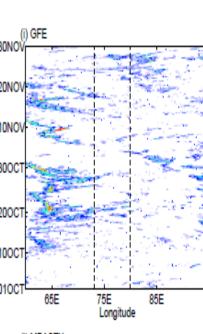
Proudly Operated by **Battelle** Since 1965

Summary

In simulations with cu parameterization, biases associated with the precipitation dependence on saturation fraction are important.







- Excessive precipitation during suppressed period is a

- model parameterizations tend to produce
- This bias account up to 30% of the model

