

# MJO Benchmark Experiment

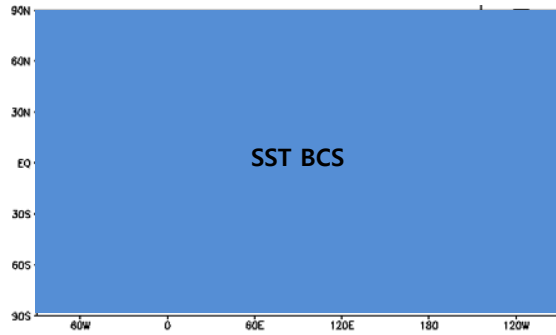
1. Understanding of MJO dynamics and physics within GCM framework
  2. Simplified/idealized land configurations  
(Aqua planet → real geography)
  3. Physics examinations: parameter sensitivity
    4. Mechanism examinations  
(surface fluxes, cloud-radiation, CMT, seasonal cycle...)

- **EXP 1: idealized experiments (aqua-planet,...)**
- **EXP 2: Physics benchmark exps.**

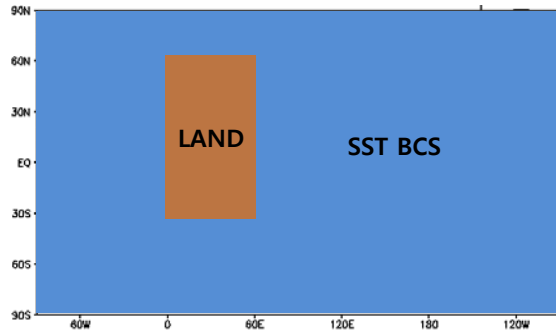
### Participating modeling groups:

Modeling group	Contact person
SNU	In-Sik Kang
CAM/CSU	Eric Maloney
CSU	Dave Randall
GFDL	W. Stern, ..
CU/GISS	Adam Sobel
UH/EC	Bin Wang
NASA	S. Schubert
BMRC/UKMO	Harry Hendon
UT	

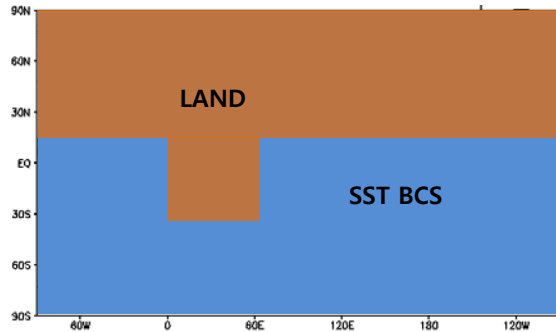
# AGCM



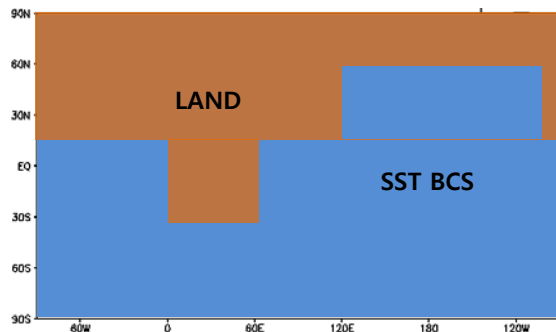
**Exp1:** NPR  
**Exp2:** PR



**Exp3:** NPR  
**Exp4:** PR

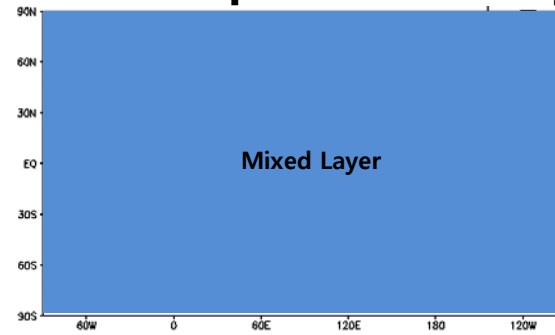


**Exp5:** NPR  
**Exp6:** PR

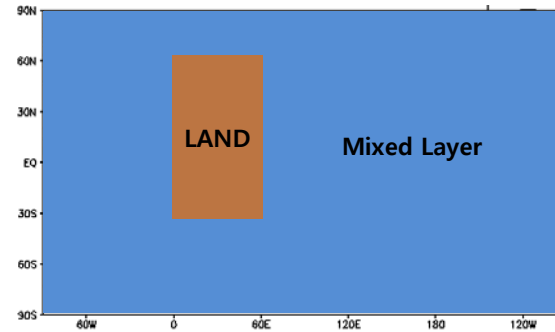


**Exp7:** NPR  
**Exp8:** PR

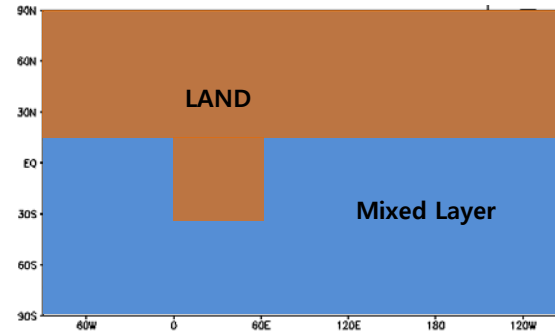
# AGCM Coupled Mixed Layer



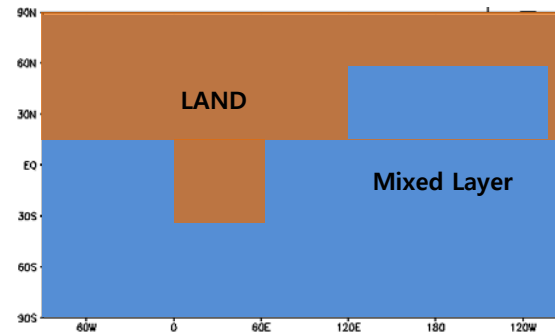
**Exp9:** NPR  
**Exp10:** PR



**Exp11:** NPR  
**Exp12:** PR

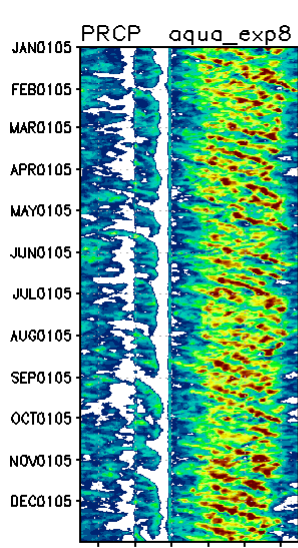
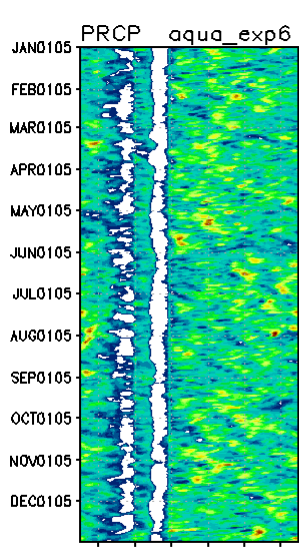
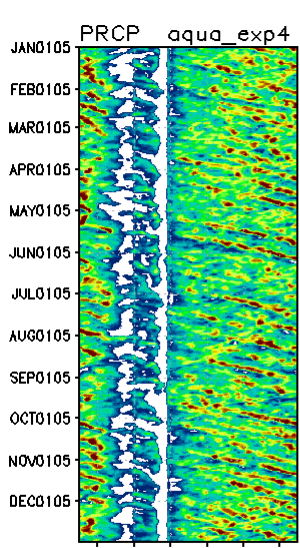
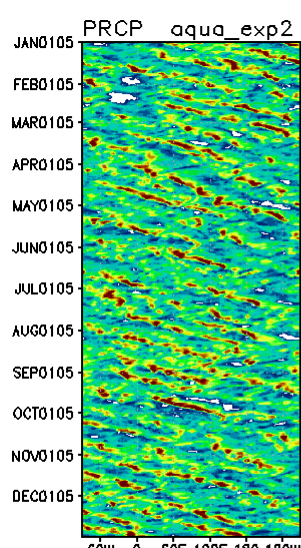
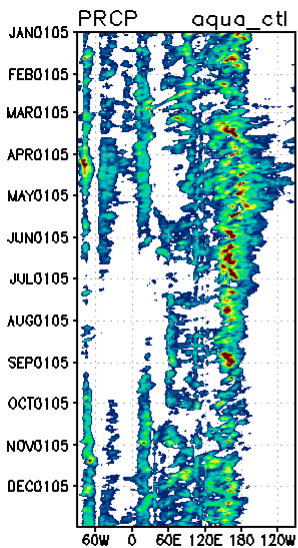
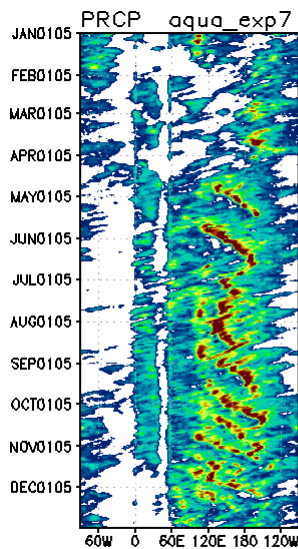
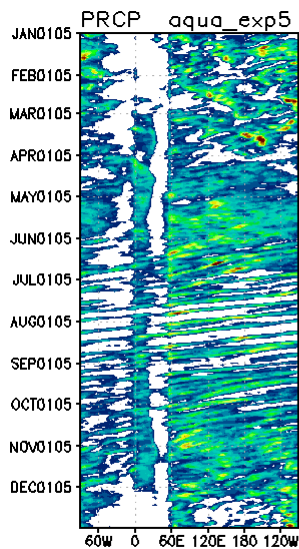
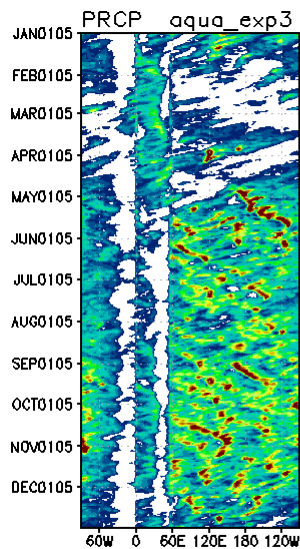
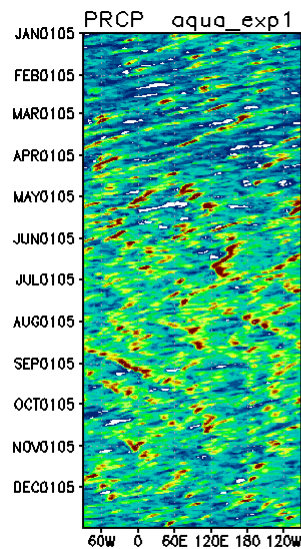
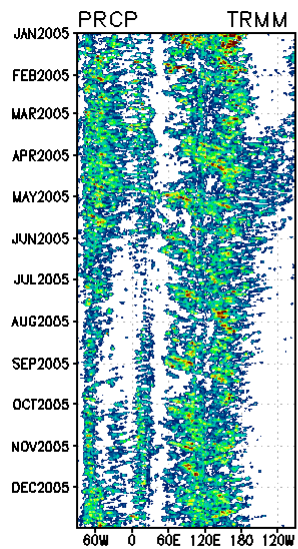


**Exp13:** NPR  
**Exp14:** PR



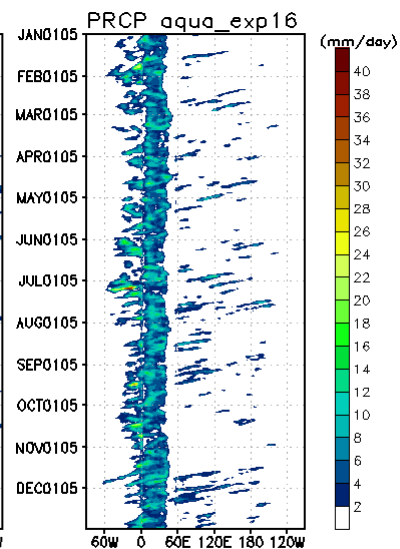
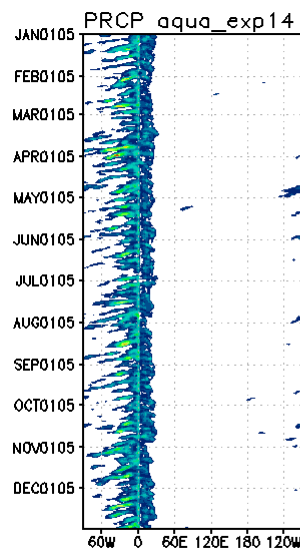
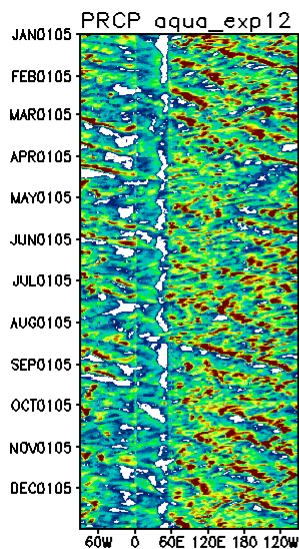
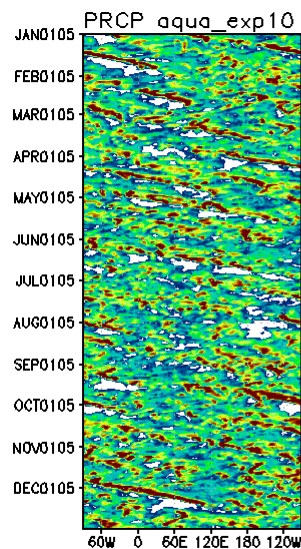
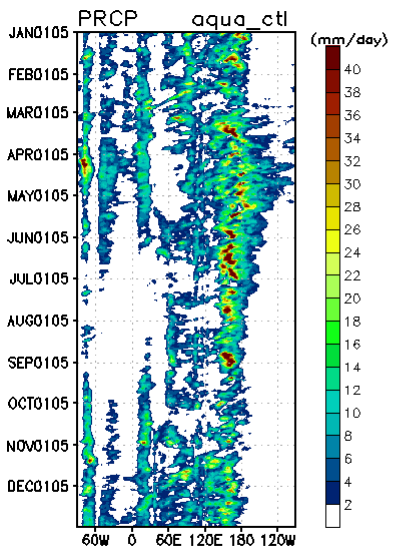
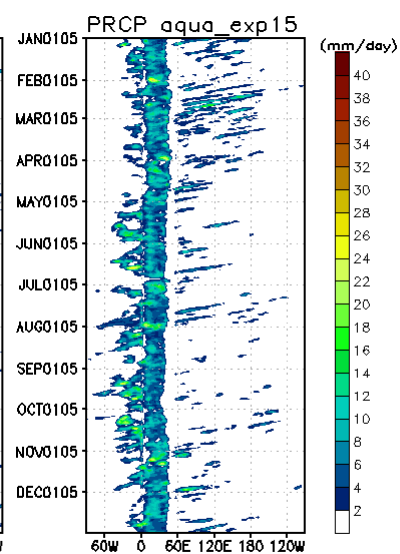
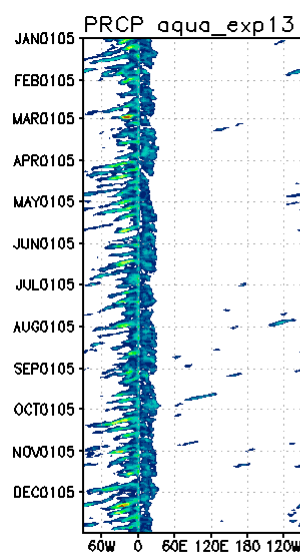
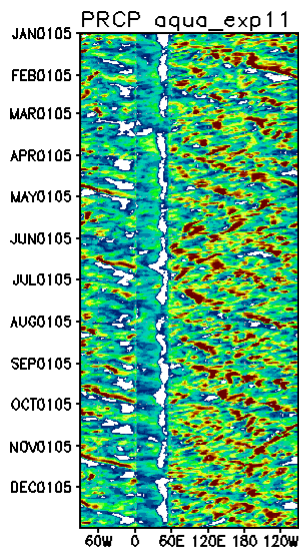
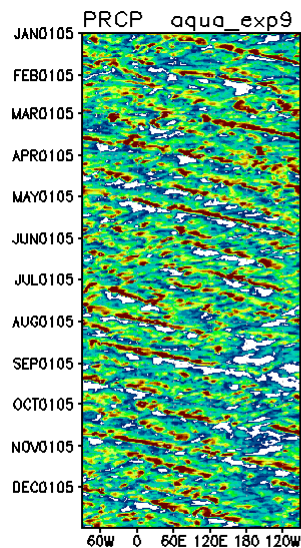
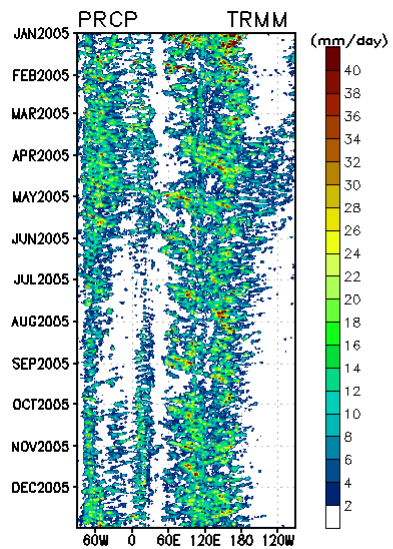
**Exp15:** NPR  
**Exp16:** PR

# Hovmuller Diagram (PRCP)

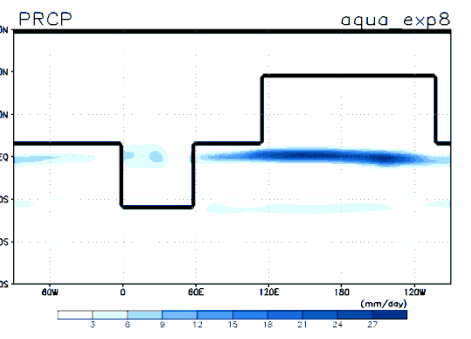
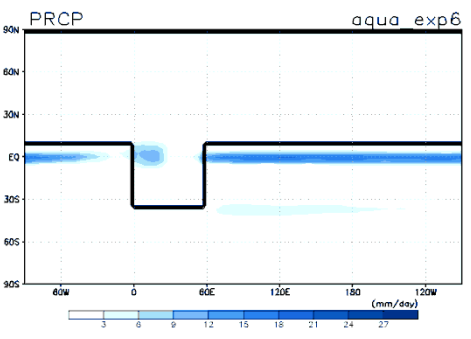
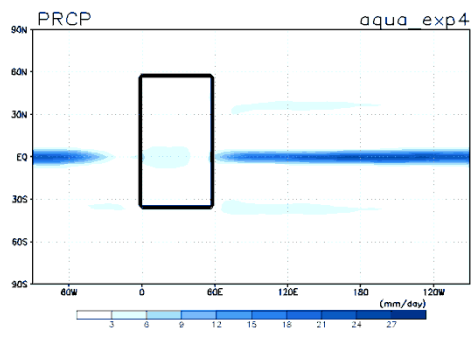
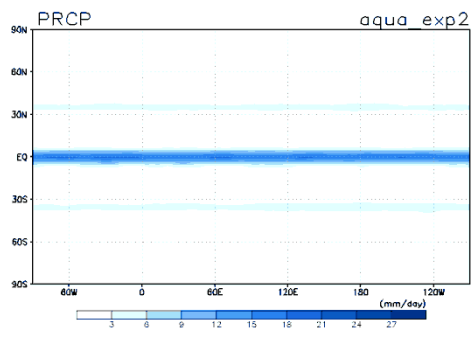
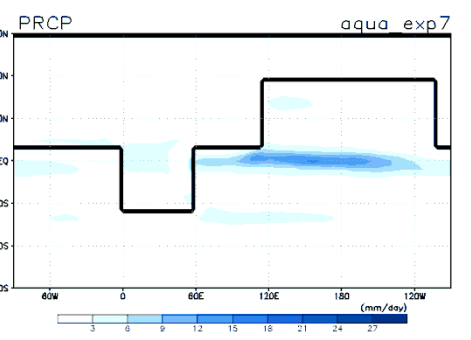
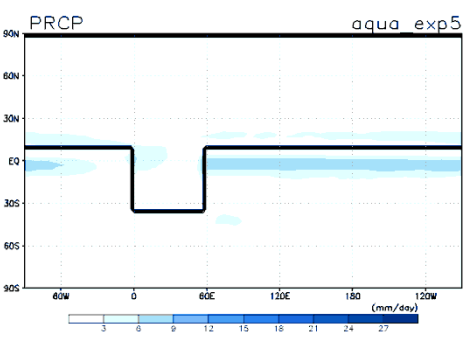
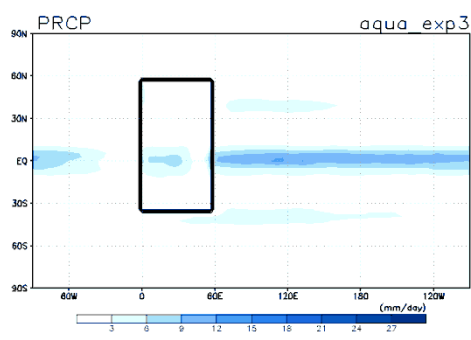
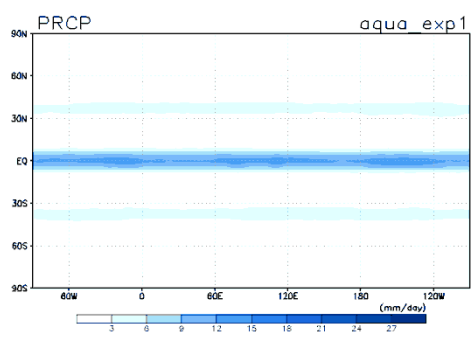
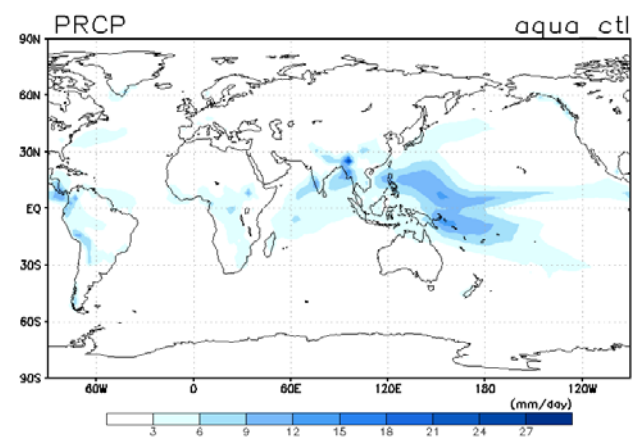




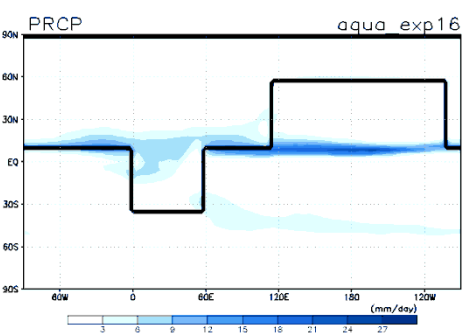
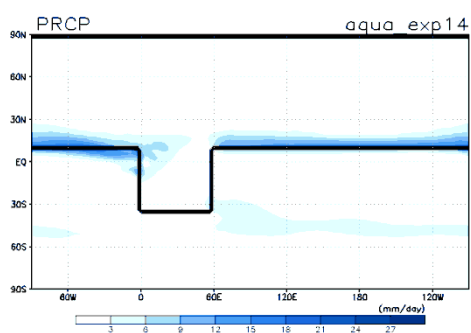
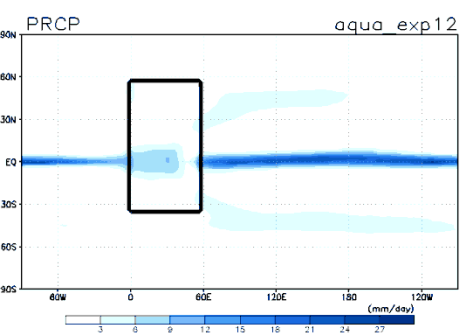
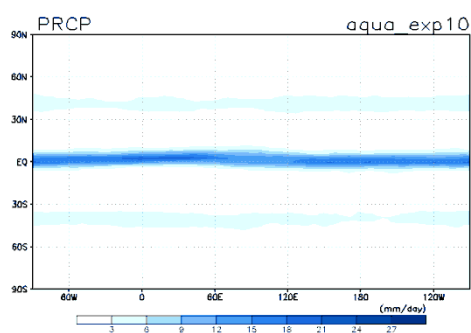
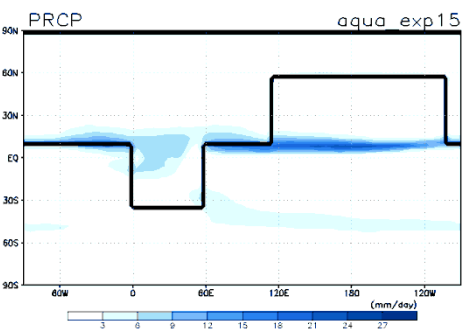
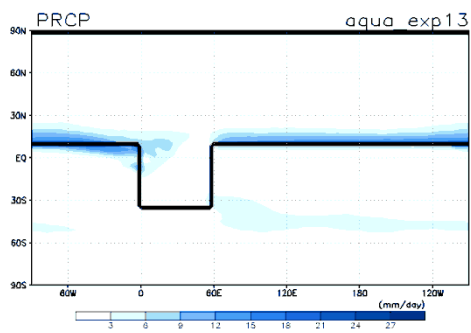
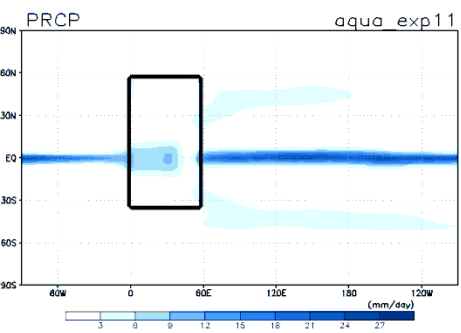
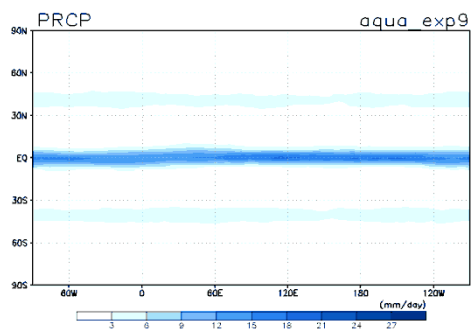
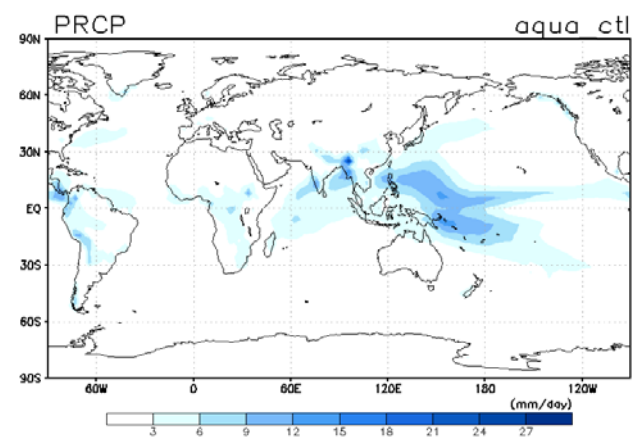
# Hovmuller Diagram (PRCP)



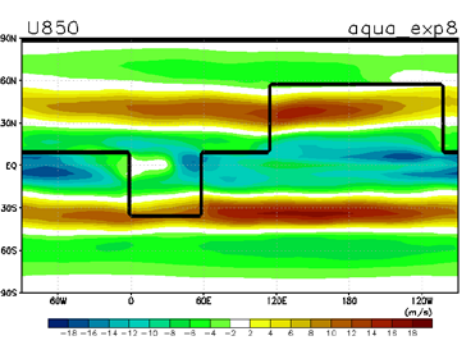
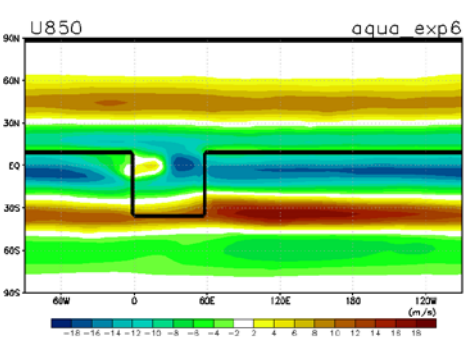
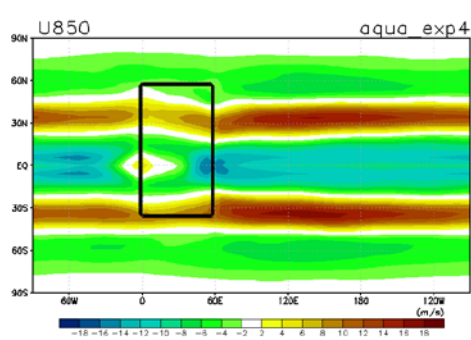
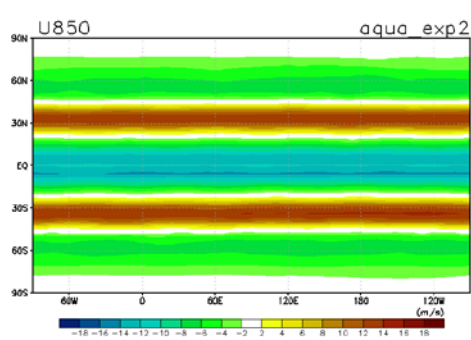
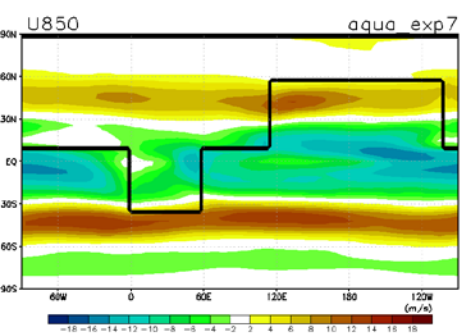
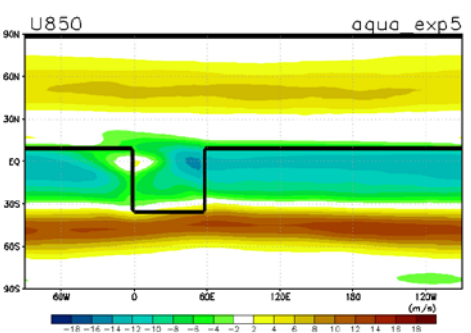
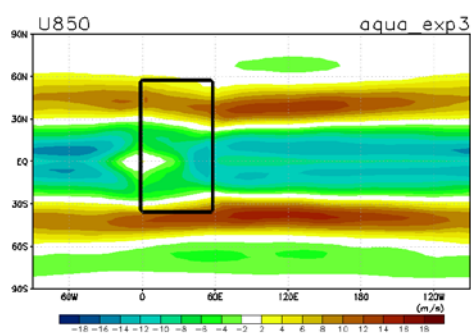
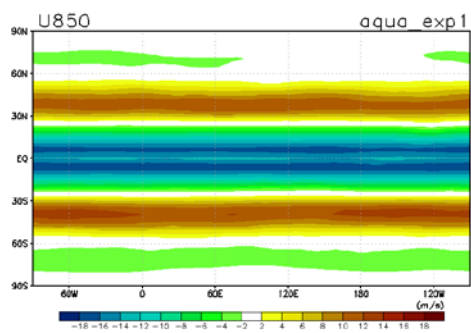
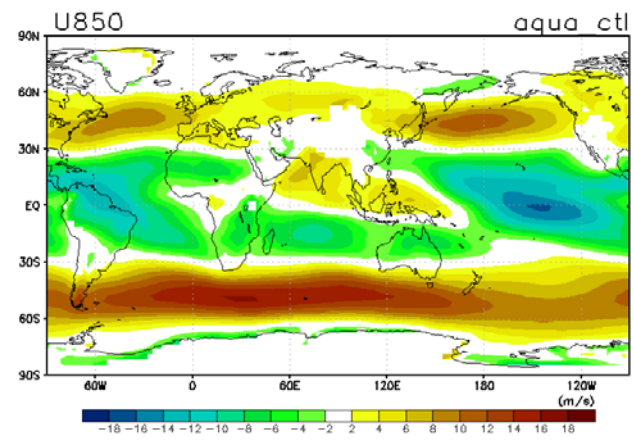
# PRCP\_5yr\_Mean\_(103.01~107.12)



# PRCP\_5yr\_Mean\_(103.01~107.12)

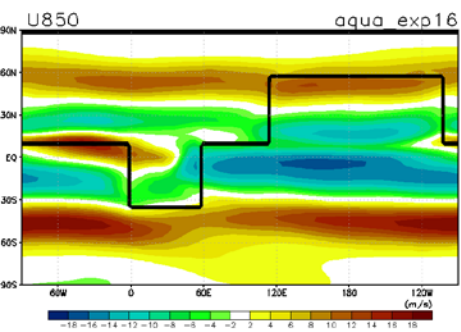
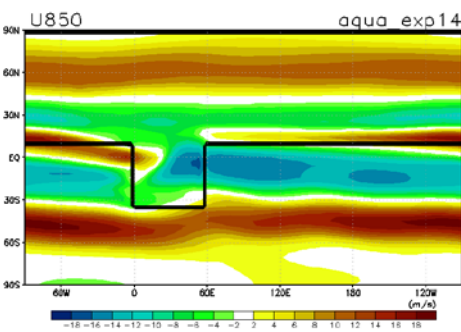
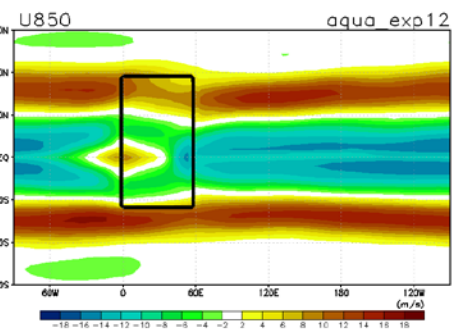
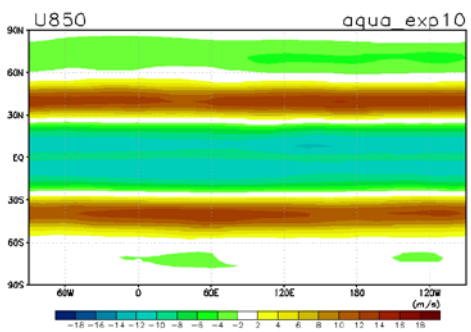
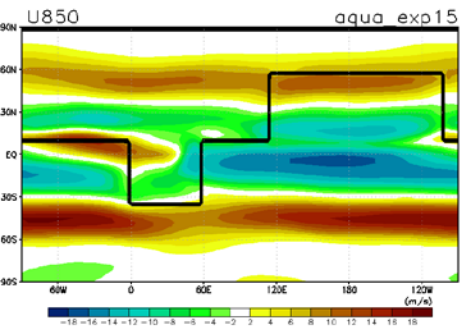
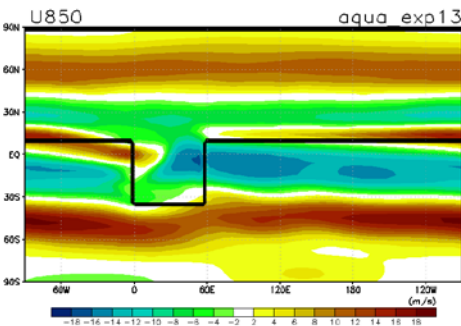
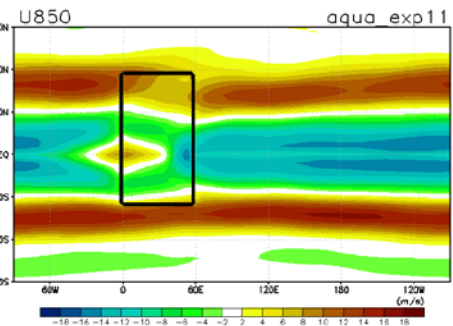
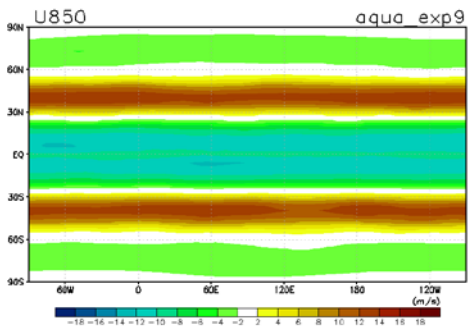
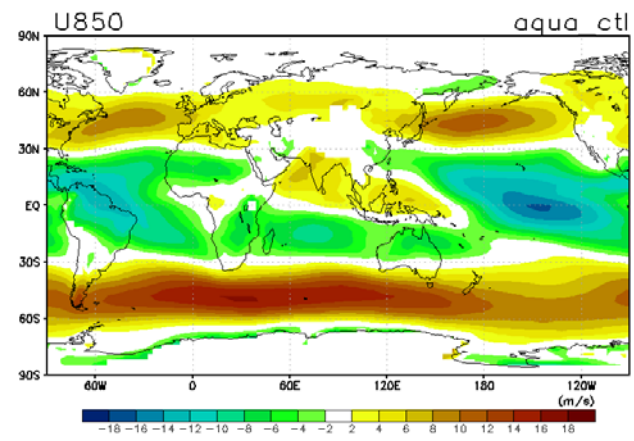


# U850\_5yr\_Mean\_(103.01~107.12)

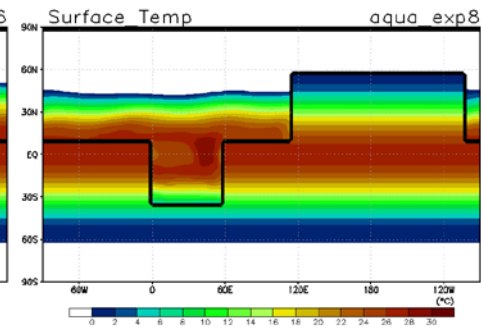
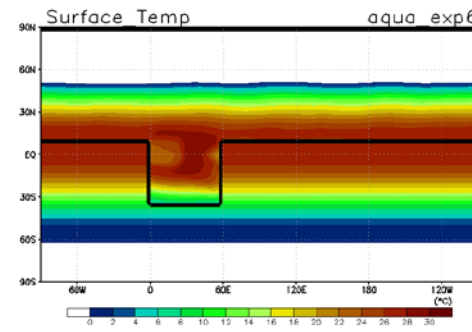
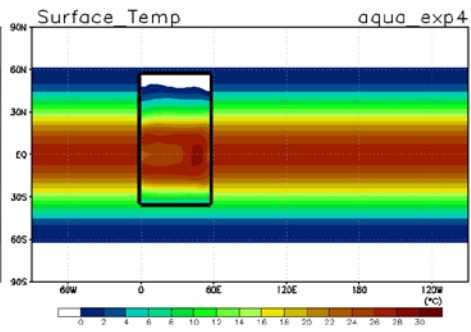
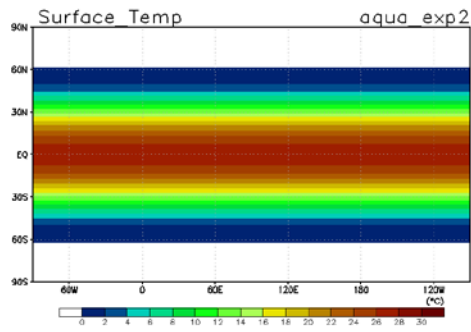
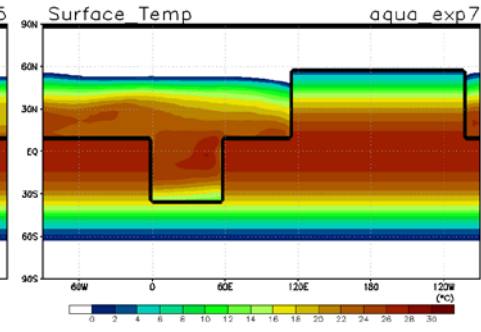
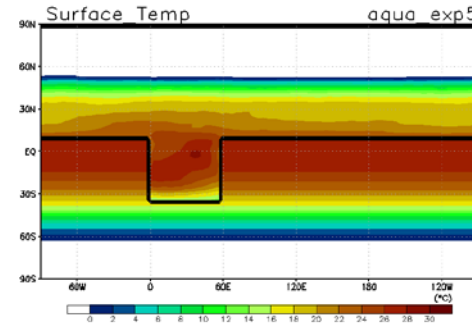
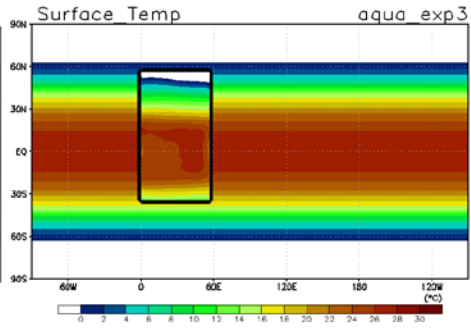
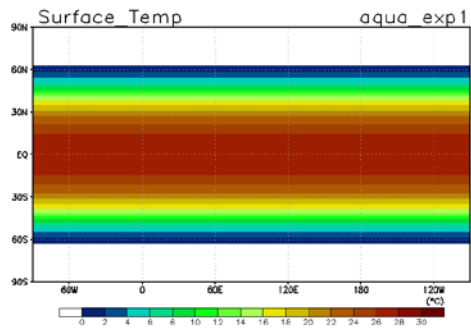
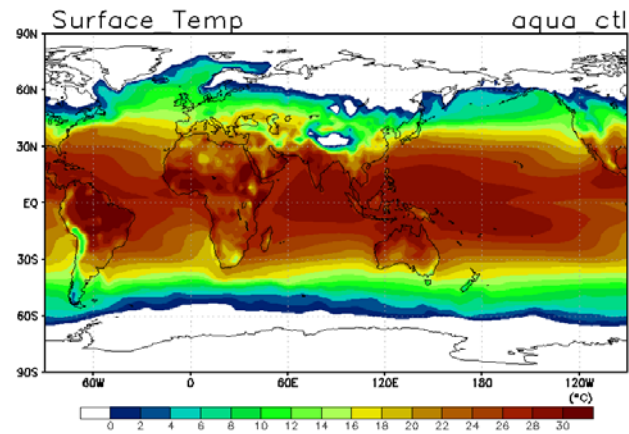




# U850\_5yr\_Mean\_(103.01~107.12)



# TS\_5yr\_Mean\_(103.01~107.12)



# TS\_5yr\_Mean\_(103.01~107.12)

