

The Second Aqua Planet Experiment Workshop  
November 13-15, 2007  
Chiba Institute of Science, Choshi, Japan

*Version Nov. 9, 2007*

**Tuesday, November 13**

**09:00 Bus from the hotel to the CIS.**

09:15 Arrival & preparation

**Introduction**

09:30 Toshisuke Hirano, President of the Chiba Institute of Science  
Welcome remarks

09:35 Hisashi Nakamura  
Opening

09:40 Mike Blackburn and Dave Williamson  
APE background and context

09:50 Group Introduction (5 min each)

**10:40 Coffee/tea**

**Meridional Circulation, ITCZ**

11:10 Hartmut Broth  
The influence of the large-scale meridional sea-surface temperature curvature on tropical circulation regime **AND** The behaviour of single and double ITCZ regimes for ocean temperature distributions with poleward shifted maxima

11:40 Liang Guo  
Response of the atmospheric precipitation and streamfield to the tropical SST in APE GCMs

12:10 Kavirajan Rajendran  
The effect of SST variation on equatorial ITCZ in Aquaplanet General Circulation Models

12:40 Discussion

**13:10 Lunch**

**Tropical Disturbances**

14:30 Nils Wedi

Idealized simulations with the ECMWF model and the MJO

15:00 Kazuyoshi Oouchi  
Aqua-Planet MJO's in NICAM

**15:30 Coffee/tea**

16:00 Yoshi-Yuki Hayashi  
TBD

16:30 Zaizhi Wang  
The influence of zonally varied SST forcing to tropical convectively coupled waves in APE GCMs

17:00 Discussion

**17:30 Finish**

**18:00 Workshop Dinner (at the CIS)**

**21:00 Bus from the CIS to the hotel.**

## **Wednesday, November 14**

**09:00 Bus from the hotel to the CIS.**

09:15 Arrival & preparation

### **Stormtrack**

09:30 Hisashi Nakamura:  
Role of midlatitude oceanic frontal zone in the mean state and variability in the atmospheric general circulation: Aqua-planet experiments

10:00 Chihiro Kodama  
Influence of the increased SST on baroclinic instability wave activities under the aqua planet condition

**10:30 Coffee/tea**

### **Stationary Response**

11:00 Kensuke Nakajima  
TBD

11:30 Discussion

**12:30 Lunch**

## **Resolution Dependence**

14:00 David Williamson  
Convergence of Aqua-planet Simulations with Increasing Resolution in CAM3

## **Model Intercomparison**

14:30 Michael Blackburn  
TBD

**15:00 Coffee/tea**

15:30 Discussion

**17:00 Finish**

**17:30 Bus from the CIS to the hotel**

## **Thursday, November 15**

**09:00 Bus from the hotel to the CIS.**

09:15 Arrival & preparation

## **Future, other topics**

09:30 John McGregor  
Extra simulations using the latest version of CCAM

10:00 Hartmut Broth  
The moisture, energy and momentum cycle in GME long-term experiments with idealized and realistic boundary conditions

10:30 Myong-In Lee  
Aqua-planet Experiments with a Simple Mixed-layer Ocean

**11:00 Coffee/tea**

11:30 Discussion

**13:00 Lunch**

**Workshop ends**

**14:00 Bus from the CIS to the hotel**

**14:30-17:00 A bus tour of Choshi.**