APE Workshop 20 - 22 April, The University of Reading, UK - Agenda -

Wednesday 20 April

Introduction

09.00		(arrival & preparation)
09.15	Mike Blackburn	APE background and context
09.25	<all groups=""></all>	Group introduction and model highlights (5-10min each)
11.00	Coffee/tea	
Tropica	I Convection	
11.30		
11.30	John McGregor	Aqua-planet simulations using CCAM
12.00	John McGregor Rachel Stratton	Aqua-planet simulations using CCAM Sensitivity of the Met Office Aqua-planet results to convection
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Tropical Variability

12.45

20.00

15.30	Tea/coffee	
15.00	Hirofumi Tomita	A cloud-resolving aqua planet experiment
14.30	Yukiko Yamada	A resolution dependence of equatorial precipitation activities represented in a general circulation model
14.00	Zaizhi Wang	Wavenumber-frequency characteristics of the LASG model

Tropical Variability / Intercomparison Yoshi-Yuki Havashi

Workshop Dinner

Buffet Lunch

16.00	Yoshi-Yuki Hayashi	On the varieties of forced and spontaneously generated tropical precipitation patterns: some expectations and comparison
16.30	<mb all=""></mb>	Intercomparison + discussion:
		 tropical precipitation time series / spectra
17.00	Finish	



Loch Fyne restaurant - taxis from Department of Meteorology at 19.30

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Thursday 21 April

Diurnal Cycle

10.45	Coffee/tea	
10.00	-	discussion
09.30	Steve Woolnough	The diurnal cycle of convection and atmospheric tides in an aquaplanet GCM
09.00	Myong-In Lee	Diurnal and semi-diurnal cycles of convection in an aqua-planet GCM

Tropical & sub-tropical Circulation

11.15	Hartmut Borth	Tropical precipitation and Hadley circulation on the DWD-Aqua-Planet for the APE sea surface temperature distributions
11.45	Wataru Ohfuchi	Sensitivity of intensities of subtropical jet and Hadley circulation on cumulus parameterizations and resolutions
12.15	Masahiro Watanabe	10min: 3KW1 zonal mean / plans
12.30	<mb all=""></mb>	Intercomparison + discussion
		 tropical zonal mean hydrology & cloud
		"qobs", "3KW1" differences from control

13.00 Buffet Lunch

Extra-tropical Variability

15.30	Tea/coffee		
15.00	Xiaoyun Liang	The mid-latitude wave activity of the LASG model	
14.30	David Williamson	Low-frequency mid-latitude variability in the APE simulations	
14.00	Masahiro Watanabe	On the extratropical low-frequency variability in aqua-planet simulations	;

Intercomparison: extra-tropics

17.00	Finish	
		 KE spectra; polar tropopause & lower stratosphere
16.15	<mb all=""></mb>	Intercomparison + discussion:
16.00	Kevin Hodges	Extra-tropical storms: track statistics

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Friday 22 April

Dynamical Aspects; Remaining topics

09.00	Andrea Molod	Aquaplanet Simulations using Different Vertical Grids for Dynamics and Physics in the MIT GCM
09.30	David Williamson	10min: resolution & dynamical core sensitivities
09.45	<mb all=""></mb>	intercomparison + discussion: global budgets

Summary Discussion

10.00 <all> What have we learnt so ta</all>	10.00	<all></all>	What have we learnt so fa
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10.45 Coffee/tea

Future Directions

11.15	Steve Woolnough	Coupled aqua-planet modelling with a mixed-layer ocean
11.35	Robin Smith	A low-resolution coupled OAGCM Aquaplanet simulation
12.00	<all></all>	Where next: further diagnosis, experiments, publications?

13.00 Buffet Lunch

Workshop ends