

WORKSHOP ON COUPLED OCEAN-ATMOSPHERE-LAND PROCESSES IN THE TROPICAL ATLANTIC

March 23-25 2011, University of Miami Alumni Center, Coral Gables main campus

AGENDA As of March 21

Wednesday 23rd March

VOCALS MEETING OCCUPIES WEDNESDAY MORNING, ENDING AT NOON

1:30-3:15: Tropical Pacific and Atlantic Climates: Coupled-Modeling Status Review (Plenary, talks of variable length)

01:30-01:45:	Welcome, meeting goals and organization	[Mechoso/Zuidema]
01:45-02:10:	A multidisciplinary study of the tropical climate: VOCALS report and relevance for the Atlantic workshop	[Roberto Mechoso]
02:10-02:30:	The Atlantic Climate in CGCM Simulations	[Laurent Terray]
02:30-02:45:	Tropical Atlantic Biases in CCSM4	[Jim Carton]
02:45-03:15:	Tropical Atlantic Climate Experiment	[Peter Brandt]

3:15-3:30: BREAK

3:30-5:30: Ocean-atmosphere-land interactions in the tropical Atlantic: Modeling Status Review of the Climate, Seasonal Cycle, and Variability (Plenary, 30min talks)

03:30-04:00:	Relationship of SST biases to winds and terrestrial precipitation	[Ingo Richter]
04:00-04:30:	An Ocean Perspective	[Ping Chang]
04:30-05:00:	Ocean-Atmosphere-Land interactions over W. Africa & E. Atlantic	[Kerry Cook]
05:00-05:30:	Robust Patterns of Tropical Warming	[Amy Clement]

evening reception, poster session

Thursday 24th March

THURSDAY MORNING:

8:30-10:30: Process Studies Review (Atmosphere Theme, Plenary, 20-min talks)

08:30-08:50:	Sulfate aerosol control of tropical Atlantic climate	[Ching Yee Chang]
08:50-09:10:	Interactions between S Atlantic stratocumulus and the Meridional Mode	[Amato Evan]
09:10-09:30:	Southeast Atlantic Aerosol direct and indirect effects	[Eric Wilcox]
09:30-09:50:	The UK SAFARI experience	[Steve Abel]
09:50-10:10:	Aerosol effects of Southern African biomass burning aerosol	[Rob Wood]

10:10-10:30: BREAK

10:30-12:30: Process Studies Review (Ocean Theme, Plenary)

10:30-10:50:	Seasonal Cycle and Interannual Variability: Implications for Models	[Mojib Latif]
10:50-11:10:	Sea surface temperature variability	[Chris Reason]
11:10-11:30:	Tropical Instability Waves: Air-Sea Interactions and Climate Change	[Hyodae Seo]
11:30-11:50:	Benguela Upwelling and Eddies	[Chris Duncome Rae]
11:50-12:10:	On Model mechanisms driving westward extension of SST biases	[Alban Lazar]
12:10-12:30:	US agency interest in the Atlantic	[Mike Patterson]

12:30-13:30: *BOXED LUNCHES PROVIDED*

THURSDAY AFTERNOON: Two breakouts with facilitators, focused on identifying key issues

1. Key Issues at Larger Scales. Facilitators: Kushnir, Chang (Mechoso)

Brief layout of guiding discussion questions by facilitators at 1:30

1:40-2:00:	Mechanisms setting the scale of the ITCZ	[Sarah Kang]
2:00-2:20:	Tropical Atlantic and Climate	[Yochanan Kushnir]
2:20-2:40:	Relationship between atmospheric and oceanic biases	[Chris Patricola]
2:40-3:00:	Atmospheric response to tropical Atlantic SST anomalies	[Belen Rodriguez]

3:00-3:20: *BREAK*

3:20-3:40:	Influence of the south American monsoon on the Atlantic	[Paulo Nobre]
3:40-4:00:	What caused the mid-20 th century increase in Atlantic OHC?	[Sang-Ki Lee]
4:00-4:20:	Perspectives on errors in coupled models	[Ben Kirtman]
4:20-4:40:	On the model SST bias in the Gulf of Guinea	[Jean-Luc Redelsperger]
4:40-5:00:	Seasonal forecast biases in IPRC and GFDL models	[Neven Fuckar/Shang-Ping Xie]
5:00-5:20:	Atlantic aerosol and precipitation:remaining questions	[Chidong Zhang]

2. Key Issues at Smaller Scales

Facilitators: Wood, Platnick (Zuidema)

Brief layout of guiding discussion questions by facilitators at 1:30

1:40-2:00:	Science questions from SAFARI and remote sensing challenges	[Steve Platnick]
2:00-2:20:	Long-term satellite analysis of Atlantic and African clouds	[Ralf Bennartz]
2:20-2:40:	On the stratocumulus to cumulus transition	[Irina Sandu]
2:40-3:00:	On the New CCSM boundary layer	[Brian Medeiros]

3:00-3:20: *BREAK*

3:20-3:40:	US oceanographic cruises in the Atlantic	[Fairall/deSzoeker]
3:40-4:00:	UK research interests	[Hugh Coe]
4:00-4:20:	German Research in the Southeast Atlantic	[Stefan Kinne]
4:20-4:40:	Analysis of southeast Atlantic stratocumulus	[Jean-Louis Brenguier]
4:40-5:00:	Priorities at Barbados	[Louise Nuijens]

Friday 25th March

9:00-12:00: Where do we go from here?

9:00-9:15 the address of workshop goals [Zuidema/Terray/Mechoso]

Breakout reports from the facilitators+discussion

9:15-10:15 Large-scales [Kushnir/Chang]

10:15-10:30: *BREAK*

10:30-11:30 Small-scales [Zuidema/Platnick]

11:30- Closing [Mechoso/Terray]

Noon end

Posters

Michael Brunke: “Investigations of Aerosol-Cloud-Precipitation Processes in Observations and Models at the University of Arizona”

Iracema Cavalcanti: “Extratropical features over the Atlantic and Pacific Ocean and extreme precipitation over Northeastern Brazil”

Gaëlle de Coetlogon: “Influence of the Equatorial SST front on the onset of the coastal rainfall in the Gulf of Guinea (2000-2009)”

David DeWitt: “A Contrarian View on the Cause of CGCM warm SST biases in the equatorial and southeastern Atlantic”

Takeshi Doi et al.: “Biases in the mean state, seasonal and interannual variations in the tropical Atlantic in GFDL climate models (CM2.1 and CM2.5)”

Zhujun Li: “Mesoscale Organization of Trade-Wind Cumuli along Cold Pool Boundaries”

Doug Smith: “Decadal predictions of the tropical Atlantic atmosphere”

Anne Marie Treguier: “Modeling the seasonal and interannual variability of the low-salinity water masses along the coast of the Gulf of Guinea”