

Agenda for Climate, Statistics, and Satellites symposium

June 8-10, 2009

**Presidential Conference Center
Texas A&M University**

Monday, June 8

8:20 am: Introductory remarks by Saravanan and Cifuentes

Session chair: Bowman

8:30 am: Nychka - The uncertain hockey stick

9:15 am: Chang - Weather Noise and AMOC

10:00 am: break

10:30 am: Sardeshmukh - Feasibility of dynamically constrained climate reconstructions of the last 2000 years

11:15 am: Crowley - Paleometeorology - Examining a high-resolution ice-age simulation at synoptic-scale resolution

12:00 pm Lunch

Session chair: Korty

1:30 pm: Penland - Fluctuation-dissipation and uncertainty analysis: It's all Jerry's fault

2:15 pm: Shukla - On the fidelity and predictability of climate models

3:00 pm: Wallace - EOFs, SVD and Beyond

3:45 pm: break

4:00 pm: Poster session (with refreshments)

5:45 pm: Reception

6:15 pm: Banquet

Tuesday June 9

Session chair: Schumacher

8:30 am: King - Spatial and temporal distribution of clouds observed by MODIS onboard the Terra and Aqua satellites

9:15 am: Coakley - Ship tracks

10:00 am: break

10:30 am: Houze - Extreme convection near the Himalayas and Andes

11:15 am: Zipser - What I learned from 11 years of TRMM data, 9 years at TAMU, and XXX years of advice from Jerry North

12:00 pm Lunch

Session chair: Nasiri

1:30 pm: Wilheit - Uncertainties in the retrieval of oceanic precipitation from passive microwave measurements.

2:15 pm: Cahalan - Global energy balance and imbalance

3:00 pm break

3:30 pm: Dykema - Satellite observations and climate change detection

3:45 pm: Zotov - Singular spectral analysis of GRACE observations

4:00 pm: Hong - Detection of tropical deep convective clouds from satellite microwave measurements and its application to cloud climatology

4:15 pm: Shinozuka - Relationships between cloud condensation nuclei and aerosol optical properties relevant to remote sensing: Airborne measurements of biomass

burning, pollution and dust aerosols over North America

4:30 pm: Wei - Investigating thermodynamics of vertical atmospheric energy transport

4:45 pm: Mahajan - Predicting Atlantic Meridional Overturning Circulation (AMOC) variability from sub-surface and surface fingerprints

5:00 pm: Kopp - Local and global sea level during the last interglacial: A probabilistic assessment

5:15 pm: Adjourn

Wednesday June 10

Session chair: Panetta

8:30 am: Bell - Does local climate really change with the day of the week?

9:15 am: Dickinson - Reminiscing about the strong intellectual influence of Jerry North on my understanding of the coupled climate system

10:00 am: break

10:30 am: Otto-Bliesner - A dream realized: Simulating the transient climate evolution of the last 21,000 years

11:15 am: Tribbia - Uncertainty in the tropics despite North and TRMM

12:00 pm Adjourn

Ming	Cai	Florida State University	Dynamical Polar Warming Amplification in simple energy balance and general circulation models
Sean	Casey	Texas A&M University	Tropical Midtropospheric Relative Humidity and Cumulus Congestus Clouds: A Multi-Satellite Analysis
Long	Chiu	Chinese University of Hong Kong	Trends in Oceanic rain rate from Microwave Emission brightness Temperature Histogram (METH)
Andrew	Dessler	Texas A&M University	Water Vapor Climate Feedback in Climate Models: Tests of El Nino Southern Oscillation
Mark	Everett	Texas A&M University	Spatiotemporal reconstruction of geomagnetic Sq+induced signals from LEO satellite data
Marc	Genton	Texas A&M University	Correcting for signal attenuation from noise: Sharpening the focus on past climate
Jim	Lawrence	University of Houston	A record of tropical cyclone activity in ice cores and tree rings from anomalously low isotope ratios of water vapor?
Jim	Lawrence	University of Houston	Let's develop climate proxies that relate to human experience, namely records of storm activity
Wei	Li	Texas A&M University	The Where and Why of Tropical Thick Anvil

Elinor	Martin	Texas A&M University	Caribbean Precipitation Variability in Observations and Models
Lei	Meng	Texas A&M University	Examining the Influence of Spring Soil Moisture Anomalies on Summer Precipitation in the U.S. Great Plains using the Community Atmosphere Model version 3 (CAM3)
Steven	Quiring	Texas A&M University	Modeling hurricane hazard in the United States through data mining
Ruth	Reck		A Unified Approach to Climate Change in a World of Global Conflict
Elizabeth	Satterfield	Texas A&M University	Local Predictability of the Performance of an Ensemble Forecast System
Samuel	Shen	Sand Diego State University	An error analysis for the hybrid gridding of Texas daily precipitation data
Dave	Short	Nagoya University	An Interpretation of TRMM Radar Observations of Shallow Convection with a Rain Cell Model
David	Straus	George Mason University	The Preferred Structure of the Interannual Indian Monsoon Variability: An Interesting Application of EOF Analysis

Sun	Wong	Texas A&M University	Saharan Dust Trend over the Tropical Atlantic Ocean: Remote-Sensing Observation and Transport Model Simulations
Qigang	Wu	University of Oklahoma	Role of water vapor feedback on the amplitude of season cycle in the global mean surface air temperature
Xiaojie	Zhu	Texas A&M University	Simulated large-scale environmental factors affecting Atlantic hurricanes
Kelin	Zhuang	Texas A&M University	The Permo-Carboniferous Climate and Sea Level Change Reconstruction using coupled Energy Balance - Ice Sheet Model