



10th University of Washington Program on Climate Change Summer Institute

“The Water Cycle in a Changing Climate”

Sept. 14-16, 2011

Friday Harbor Laboratories, San Juan Island, WA

FINAL AGENDA

All talks are 45 mins + 15 mins for discussion and in the Commons. Meals are in the Dining Hall

Wednesday, September 14

- 3:00 PM **Check-in**, packet, map and key pick-up; room assignments, post posters
(DINING HALL)
- 5-6 PM **Welcome, Reception and Poster Session** (DINING HALL)
- 6:00- 6:30 Dinner served

Evening Session: *Precipitation trends in a changing climate. Chair: Chris Bretherton*

- 7:00 PM Ken Sebens. FHL Welcome.
- 7:05-7:45 Dargan Frierson, UW: *Understanding zonal-mean precipitation change in a warmer climate*
- 8:00-8:45 Yi Ming, GFDL: *Aerosol effects on rainfall patterns*

Thursday, September 15

- 7:45- 8:15 AM Breakfast served
- Morning Session: *Impacts of Hydrological Change and Variability I. Chair: Eric Steig.***
- 8:45-9:30 Greg Johnson (PMEL): *Salinity Changes Indicate an Increased Hydrological Cycle over the Oceans*
- 9:45-10:30 Ed Cook, LDEO: *Megadroughts in North America: Placing IPCC projections of hydroclimatic change in a long-term paleoclimate context*
- 10:45-11:15 Coffee break
- 11:15-12:00 Brian Smoliak: *Rainfall and Crops in Subsaharan Africa - Past and Future*
- 12:15-12:45 Lunch served.

Afternoon free

- 6:00-6:30 PM Dinner served.

Evening Session: *Impacts of Hydrological Change and Variability II. Chair: Jessica Lundquist.*

- 7:00-7:45 Cecilia Bitz (UW): *Arctic Precipitation and Its Climatic and Ecological Impacts*

- 8:00-8:25 Todd Mitchell, UW: *SST anomalies, predictability of rainfall and drought,*
8:25-8:45 Mike Wallace, UW: *Societal vulnerability to hydrological extremes*
9:00-9:15 LuAnne Thompson, UW: *Open discussion on future directions for the PCC*

Friday, September 16

7:45-8:15 AM Breakfast served.

Morning Session: Hydroclimate Projection Challenges. Chair: Dargan Frierson.

- 8:45-9:30 Eric Salathe (UWB): *Is extreme rainfall becoming more common?*
9:45-10:30 Dennis Lettenmaier (UW): *Hydrologic extremes in a changing climate -- modeling and observations*
10:45-11:15 Coffee break
11:15-12:00 Chris Bretherton (UW): *Why projecting regional precipitation trends is difficult.*

12:15 PM Pick up sack lunches; catch the 1:50 PM ferry to Anacortes