

October 8, 2009 ATMO Club Minutes

1. Steve Simon – Summer Work
 - A Comparison of the Boundary Layer Thermodynamic Structure of Marine Fair-Weather Cumulus and Stratocumulus Clouds
 - o RICO – Rain in Cumulus over the Ocean
 - Properties of trade wind cumulus clouds
 - Location: Antigua and Barbuda
 - Main focus was fair-weather cumulus
 - o VOCALS – VAMOS Ocean-Cloud-Atmosphere-Land Study
 - Improved understanding and predictions of the Southeastern Pacific
 - Iquique, Chile and aboard the ship Olaya along the Peruvian coast
 - Main focus was stratocumulus
 - o Instruments/ Programs
 - Radiosonde Sounding
 - Collection of data to analyze vertical structure of the atmosphere, specifically MBL (Marine Boundary Layer) for this project
 - MatLab
 - Temperature inversions and analysis
 - *Participant of RSMAS Summer Undergraduate Fellowship Program*
 - o *Note* Interested Students should check
2. Forecasting Tips with Matt Niznik
 - <http://metofis.rsmas.miami.edu/~mniznik/forecast>
 - MOS
 - o Statistically and Historically corrected predictions
 - o Typically too low on the max wind speed
 - USL Model
 - o Has been doing well in the results
 - General thing to keep in mind is hitting forecasts between leading MOS and the USL
 - NOAA Storm Prediction Center
 - o Interesting plots (Left-hand banner)
 - Penn State's e-Wall
 - Preliminary Denver Discussion
 - o Caution! Denver International Airport is in a different topographical area than much of Denver
 - Airport is on plains, NE of mountainous Denver
3. Ben- Broadcast Meteorology Conference
 - Next year will be in Miami!
 - June 24th - June 27th 2009

- Registration fees: ~\$100
 - Pre-Registration date May 10th 2009
 - <http://www.ametsoc.org/Meet/fainst/201038broadcast.html>
4. Register for COSO!
 - It's easy and it's how we get funding!
 - <http://um.collegiatelink.net/Community?action=getMyHome>
 5. T-Shirt Design Contest!
 - We will vote next meeting on our t-shirts!
 - Winner gets \$20