

Day 1 - Thursday 12 July 2012

830 Welcome and Announcements (Dan Eleuterio and Scott Harper)

R/V Revelle Measurements

- 0845 Overview of Revelle Observations (Jim Moum*)
- 0855 DYNAMO Moorings: Variations of Surface Mixed Layer Heat Budget during MJO (Nan-Hsun Chi)
- 0910 Surface Fluxes (Jim Edson*)
- 0925 Intraseasonal to convective air-sea fluxes in DYNAMO: Next steps for Revelle observations (Simon de Szoeke)
- 0930 Ongoing research using ship-based Doppler lidar wind measurements made during DYNAMO (Alan Brewer*)
- 0940 NASA TOGA C-band (5 cm λ) Doppler Weather Radar Update (Liz Thompson)
- 0950 X-band Measurements of the Sea Surface During DYNAMO from the R/V Revelle (Eric Terrill)
- 1005 The Chemical, Physical, and Optical Properties of Aerosols in the Remote Indian Ocean (Langley DeWitt)
- 1020 Near-Surface Structure of the Equatorial Indian Ocean (Aurelie Moulin)

Break

- 1045 DYNAMO Leg IV Wirewalkers & Spatial Variations (Robert Pinkel*)
- 1100 SST modeling and SeaGlider Measurements (Piotr Flatau)

Aircraft and other measurements

- 1115 P3 DYNAMO/LASP Measurements (Qing Wang*)
- 1130 Turbulence and surface wave measurements from Aircraft (Djamal Khelif*)
- 1145 Ocean Skin Temperature from Airborne IR Imagery (Chris Zappa*)
- 1200 DYNAMO Convective Systems – Insights from Data Provided by the NOAA P-3 Aircraft (David Jorgensen)
- 1215 Aircraft microphysics (Patrick Chuang)
- 1230 Aircraft Measurements for Understanding Air-Sea Coupling and Improving Coupled Model Predictions Over the Indian Ocean (Shuyi Chen*)

Lunch

Modeling

- 1345 NRL DYNAMO Remote Sensing Overview (Jeff Hawkins)
- 1400 COAMPS Real-time Coupled Forecast (Sue Chen*)
- 1415 Extended Coupled COAMPS MJO Prediction (Sue Chen*)
- 1430 Ocean Modeling for DYNAMO (Tommy Jensen)
- 1445 Ocean Variability and Air-Sea Interaction using COAMPS: Plans (Toshi Shinoda*)

- 1500 Coupled Ocean-Atmosphere Dynamics and Predictability of MJO's (Art Miller)
1515 The Analysis of DYNAMO Precipitation in TRMM and in Coupled COAMPS Using the EOF Based "Mesoscale MJO Index" (Maria Flatau*)
1530 Large-eddy Simulation – Upper Ocean and New Analysis/Experiments (Eric Skyllingstad*)

Break

Review of DYNAMO objectives

- 1600 LASP: From Field Observations to Model Improvement (Chidong Zhang*)
1630 General Discussion

** Speaker presented in AMS DYNAMO session on Wednesday, July 11*

Day 2 Friday July 13, 2012

0830-1030 General Discussion - Development of Collaborative Themes

Examples:

- 1) Wyrтки Jet dynamics
- 2) gravity currents in ocean and atmosphere - slippery boundary layers?
- 3) sea surface patchiness - where does the precip go?
- 4) short fetch gravity wave field - how do they build ahead of the gust fronts?
- 5) reconstruction of the specific event - idea of doing this as guidance for analysis for all of us. In fact, possible article for BAMS. DYNAMO is doing an overview of everything. But we might do a nice aircraft/ship-centric article if people think this is a good idea.

candidates

1. 24 Nov – arrival of leading edge of MJO wind burst – but not great aircraft coverage
 2. Nov 13 or 26, boundary layer centric flights over Revelle designed to make joint analyses
- 6) effects of precipitation and convection on atmospheric boundary layers
 - 7) upper ocean mixing in response to various atmospheric forcing, surface warm layer
 - 8) air-sea flux and coupling mechanisms in various convective regimes
 - 9) fresh water lenses (maybe included in sea surface patchiness in #3 above)

Break

- 1030 Issue Discussion from Meeting
1130 EOS/BAMS paper discussion
Special Issue Science Papers JPO, JGR, ...
Future meetings – AGU, ...
1200 Concluding Remarks – Dan Eleuterio and Scott Harper
1230 End of Meeting