

# EOL WIND PROFILER AND SOUNDING SUPPORT OF CLIMATE RELATED FIELD CAMPAIGNS

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The EOL ISS and GAUS facilities have a long history of supporting a wide range of field campaigns, including many that are relevant to climate research. Three recent examples include CLIMODE, DYNAMO, and PCAPS.

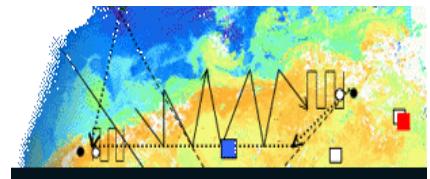


# CLIMODE

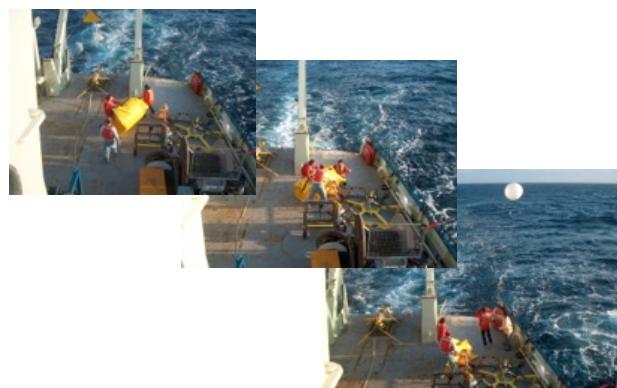
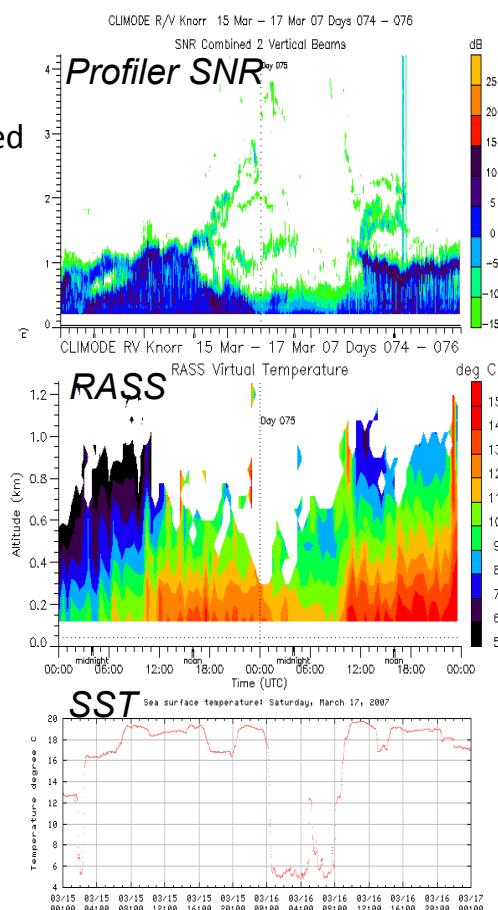
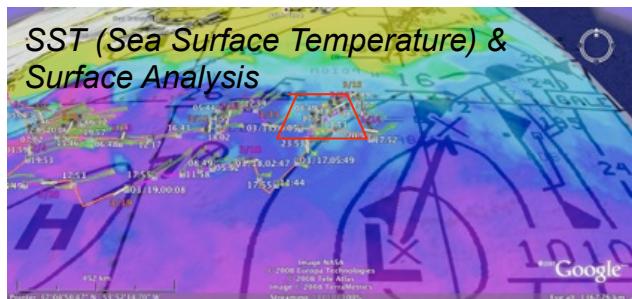
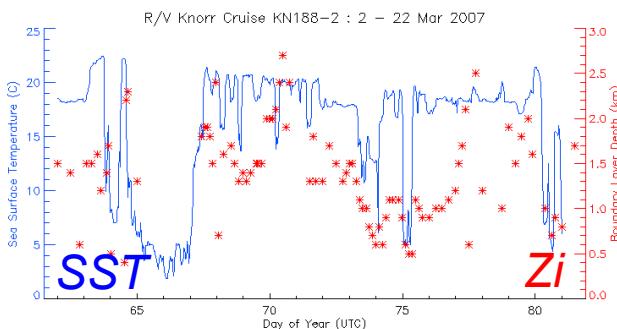
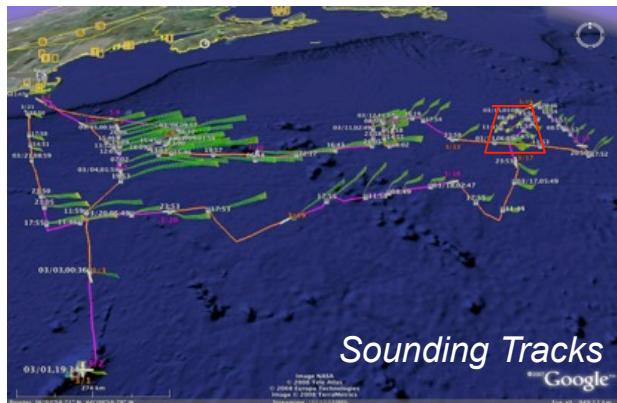
CLivar MOde water Dynamics Experiment  
PIs: Jim Edson, Terry Joyce, et. al.



Woods Hole Oceanographic Institute  
R/V Knorr

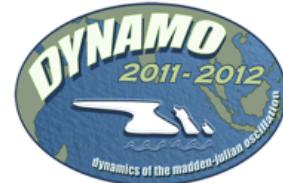


CLIMODE was an CLIVAR (Climate Variability & Predictability program) experiment to study North Atlantic Gulf Stream ocean-atmosphere exchange. An EOL wind profiler with RASS and soundings were deployed on the R/V Knorr for 2 cruises and observed a strong atmospheric response to varying SST.



# DYNAMO

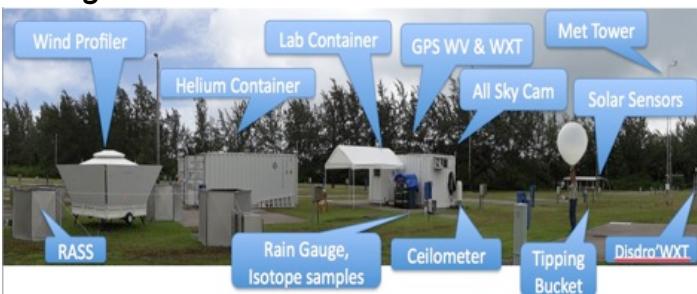
Dynamics of the Madden-Julian Oscillation  
PIs: C. Zhang, R. Houze, R. Johnson,  
S. Rutledge, Q. Wang, et. al.



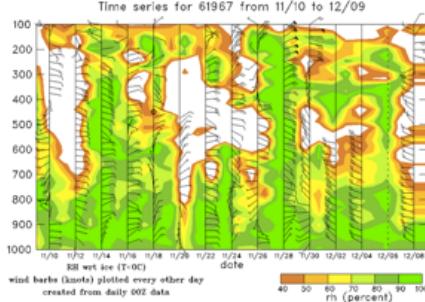
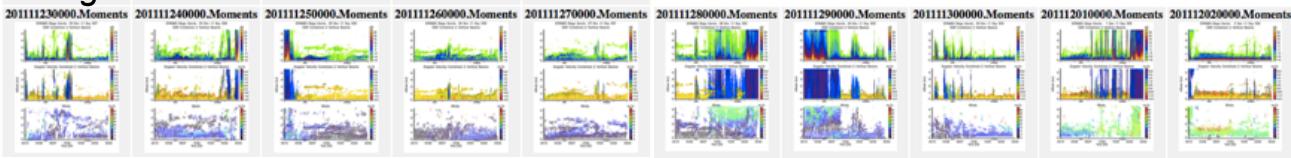
DYNAMO a study of MJO initiation and development in the Indian Ocean aiming to improve understanding for weather and climate forecasting.

Two EOL Integrated Sounding Systems (ISS) were deployed; one on Diego Garcia and the other on the R/V Revelle.

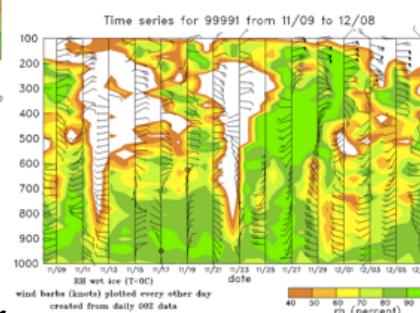
## Diego Garcia



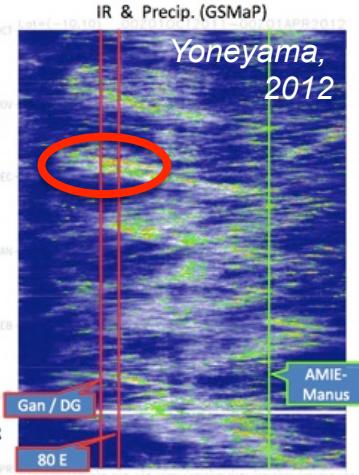
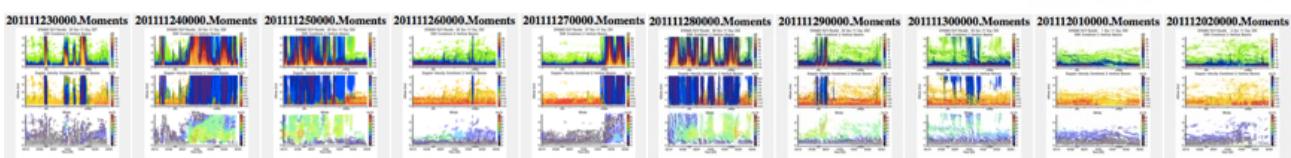
## Diego Garcia Wind Profiler



*Sounding  
Relative Humidity & Winds  
(Ciesielski & Johnson et al)*

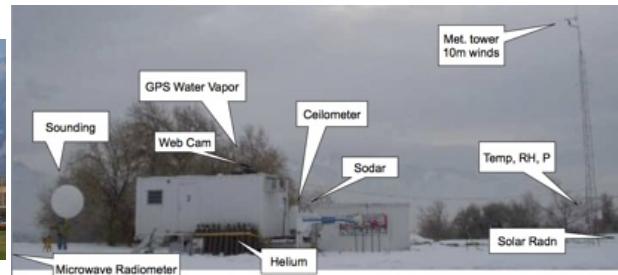
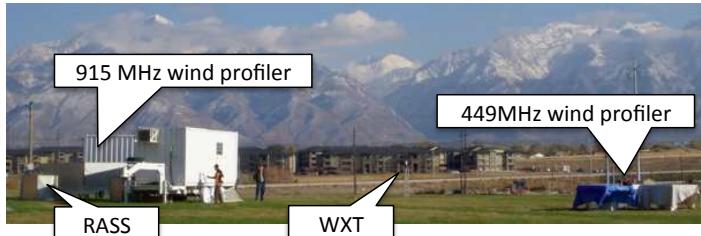


## R/V Revelle Wind Profiler



# PCAPS

Persistent Cold Air Pool Study  
PIs: C. David Whiteman, John Horel,  
Sharon Zhong



PCAPS is a study of the meteorology of the cold pool events that dominate the winters in the Salt Lake basin, with an aim to improve understanding of air pollution dispersion, weather forecasting and climate.

EOL ISS deployed two wind profilers, RASS, soundings, a ceilometer and much other instrumentation to two sites in the central valley.

