

## **Atmospheric Boundary Layer Dynamics Measured from the RV Revelle During DYNAMO.**

Alan Brewer, Chris Fairall: NOAA Earth System Research Laboratory

Simon deSzoeke: Oregon State University

Measurements made by the NOAA W-band radar and Doppler lidar from the RV Revelle are being used to characterize the dynamics of both the clear and cloudy portion of the Atmospheric Boundary Layer during the DYNAMO cruise. Under the proper conditions (continuous, light precipitation from stratiform clouds) both instruments provide measurements in a common volume below cloud base. We will present results comparing estimates of the clear air dynamics from both instruments during these periods. In addition, we will present examples of gust fronts as they passed over the ship, sampled by these instruments.