

## **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. Recent examples include CLIMODE (CLivar MOde water Dynamics Experiment) a study of North Atlantic Gulf Stream ocean-atmosphere exchange; DYNAMO (Dynamics of the Madden-Julian Oscillation) a study of MJO initiation and development in the Indian Ocean; and AHATS (Advection Horizontal Array Turbulence Study) a study of boundary layer processes in the San Joaquin Valley aiming to improve model parameterizations. This poster will explore how wind profilers and soundings were used in these experiments to demonstrate how such systems can support climate process studies.