

HYPERSPECTRAL RADIOMETER MEASUREMENTS DURING RACORO

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For presentation at
The Second Science Team Meeting of the
Atmospheric System Research (ASR) Program,
San Antonio, TX
March 28-April 1, 2011

**Environmental Sciences Department/Atmospheric Sciences Division
Brookhaven National Laboratory**

**U.S. Department of Energy
Office of Science**

ABSTRACT

During the RACORO field program, the multi-disciplinary instrumentation flown onboard the Center for Interdisciplinary Remotely-Piloted Aircraft Studies (CIRPAS) Twin Otter included a Hydrorad-3 Hyperspectral Radiometer. It simultaneously measured upward and downward spectral irradiances, as well as the radiance for a 3-degree field of view that could be either upward or downward looking. Measurements covered the visible range from 350 to 850 nm at down to 0.3-nm resolution with a fast response time. The poster will examine the performance of this new instrument, and explore its potential use for scientific applications such as cloud property retrievals.