

**Approved Proposals in Response to NRA 00-OES-03
"Validation Studies for Data Products of the Earth Observing System Aqua (PM) Platform
and EOS-related Spectroscopic Studies"**

<u>Principal Investigator</u>	<u>Organization</u>	<u>Proposal Title</u>
Armstrong, Richard	University of Colorado	Validation of AMSR-E Snow Products
Atlas, Robert	NASA Data Assimilation Office	Geophysical Validation Activities in Support of AIRS
Barnes, John	NOAA/CMDL/Mauna Loa Observatory	Validation of humidity, temperature and ozone measurements of the AIRS instrument over Mauna Loa Observatory, Hawaii
Bell, Thomas	NASA / Goddard Space Flight Center	Error Estimates for AMSR-E Rainfall Data
Bennartz, Ralf	University of Kansas	Validation of AMSR-E and AMSU/HSB level 1 brightness temperatures and level 2 cloud and precipitation parameters at high latitudes
Brown, Linda	Jet Propulsion Laboratory	Infrared Laboratory Spectroscopy for AIRS, TES and HIRDLS
Cohen, Edward	Jet Propulsion Laboratory	Laboratory Measurement Of Air Broadened Linewidths In Support Of EOS MLS
Fraser, Gerald	National Institute of Standards and Technology	Discrete and Continuum Absorption Parameters for Water Vapor in the Midinfrared
Freilich, Michael	College of Oceanic and Atmospheric Sciences, Oregon State University	Advanced Validation of AMSR Wind Speed Measurements using Buoy
Gamache, Robert	University of Massachusetts / Lowell	Theory in support of laboratory spectroscopy for AIRS, TES and HIRDLS
Houser, Paul	NASA / Goddard Space Flight Center	Global Validation of EOS-AQUA Land Surface Dynamics Using Data Assimilation
Im, Eastwood	Jet Propulsion Laboratory	Validation of AMSR Rainfall Using an Airborne Precipitation Radar (PR-2)
Jackson, Thomas	USDA ARS Hydrology Laboratory and Remote Sensing Lab	Extended Validation of AMSR-E Soil Moisture Products
Laymon, Charles	National Space Science and Technology Center	Validation of the AMSR-E Brightness Temperature and Soil Moisture Products with Coupled Hydrologic/Radiobrightness Modeling

Maslanik, James	University of Colorado	Validation of AMSR-E Polar Ocean Products Using a Combination of Modeling
Massom, Robert	University of Tasmania	Validation of AMSR-E Antarctic Sea-Ice Products in East Antarctica, Late Winter-Spring 2002
McMillan, Wallace	University of Maryland, Baltimore County	BBAERI AIRS Ocean Validation Experiment: BAOVE
Minnett, Peter	University of Miami	Trans-oceanic measurements for EOS-Aqua Validation
Newchurch, Michael	University of Alabama in Huntsville	Validating AIRS ozone observations
Schmidlin, Francis	Goddard Space Flight Center	Temperature, Water vapor, and Ozone Dedicated Radiosonde Validation Measurements for AIRS
Stephens, Graeme	Colorado State University	Validation and Enhancement of AMSR-E Cloud and Precipitation Products
Toon, Geoffery	Jet Propulsion Laboratory	Spectral data-base evaluation using MkIV balloon spectra
Vomel, Holger	Cooperative Institute for Research in Environmental Sciences (CIRES)	Balloon borne soundings for the validation of upper tropospheric humidity and temperature
Walden, Von	University of Idaho	Validation of the Atmospheric Infrared Sounder (AIRS) over the Antarctic Plateau: Low radiance, low humidity, and thin clouds
Whiteman, David	NASA/Goddard Space Flight Center	Water Vapor and Cloud Detection Validation for Aqua Using Raman Lidars and AERI
Wood, Eric	Princeton University	Land Surface Modeling Studies in Support of AQUA AMSR-E Validation
Yoe, James	NOAA/NESDIS Office of Research and Applications	Validation of AIRS Column-Integrated Water Vapor Using Surface-based GPS Sensors