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“AIRS/AMSU/HSB on EOS Aqua: First Year Post-Launch Assessment”

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Presentation: Oral

Brief Biography:
Thomas S. Pagano is the Project Manager for the AIRS/AMSU/HSB Suite of instruments on the EOS Aqua Spacecraft. He was the lead engineer responsible for the calibration of the AIRS instrument in orbit. Prior to joining JPL in 1997, he was the Chief Systems Engineer on the MODIS instrument development program at Raytheon SBRS since 1985. He has a BS in Physics from UC Santa Barbara, and an MS in Physics from Montana State University. He holds 2 US patents and is author of numerous papers on space remote sensing systems.

Abstract Text:

The Atmospheric Infrared Sounder (AIRS), Advanced Microwave Sounding Unit (AMSU) and Humidity Sounder from Brazil (HSB) are a suite of instruments designed to measure earth's atmospheric water vapor and temperature profiles from the EOS Aqua Spacecraft. Aqua was launched on May 4, 2002 from Vandenberg Air Force Base, and is operating quite well. This paper discusses the status one year after launch of the instruments and their in-flight operation and calibration, and of the Level 1B and Level 2 data products and their validation.