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Abstract Title:
"Validation of AIRS / AMSU / HSB Retrieved Products"

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Presentation: Oral

Brief Biography:
Eric Fetzer is a Member of the Technical Staff working on the validation of the AIRS / AMSU / HSB products. He holds a doctorate in astrophysical, planetary and atmospheric sciences from the University of Colorado, Boulder. His primary professional interest is atmospheric remote sounding of weather and climate.

Abstract Text:

The Atmospheric Infrared Sounder (AIRS), Advanced Microwave Sounding Unit (AMSU) and Humidity Sounder from Brazil (HSB) retrieval system generates geophysical quantities from directly observed radiances. These retrieved quantities are validated by comparison with a variety of in situ observations. Operational data sources include radiosondes, marine buoys, and the ozone monitoring network. Other measurements, carefully timed to coincide with Aqua satellite overpasses, are dedicated

to AIRS / AMSU / HSB product validation. Instrumented balloons, lidars, GPS receivers, and surface- and aircraft-borne spectrometers provide the dedicated observations. Comparisons between retrieved and in situ quantities are presented, and their implications for the validity of the retrieved products are discussed.