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#### Early Results from AIRS on EOS Aqua

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The Atmospheric Infrared Sounder (AIRS) is a cross-track scanning infrared spectrometer which covers the 3.7 - 15.4 micron spectral range with 2378 spectral channels, launched into 705 km polar orbit from Vandenberg AFB on 18 April 2002. We present details of the on-orbit instrument sensitivity, spectral and radiometric calibration, first surface temperature and atmospheric soundings validation results and plans for release of the preliminary validated radiances from the GSFC/DAAC.