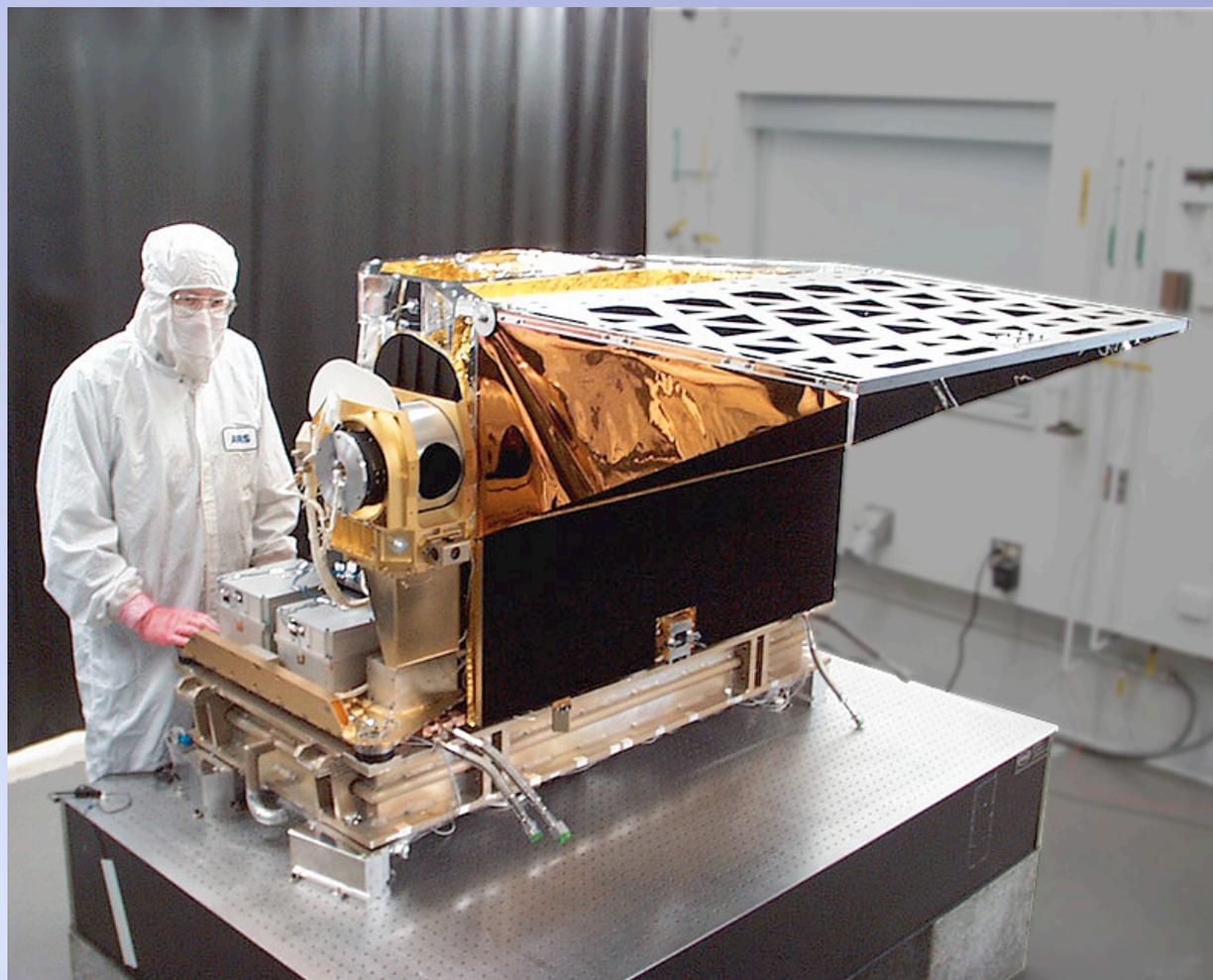




AIRS Instrument



Completed AIRS Instrument, without MLI Blankets, at BAE Systems

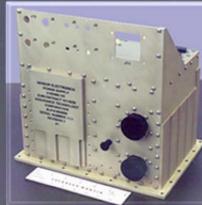
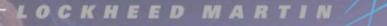


AIRS Instrument Subsystems



AIRS

ATMOSPHERIC INFRARED SOUNDER



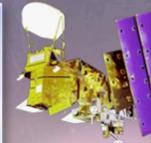
SENSOR POWER SUPPLY



ADM ELECTRONICS



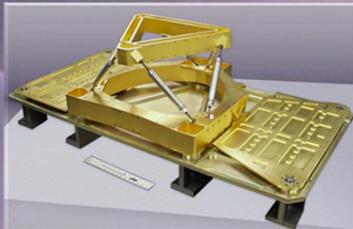
SEM ELECTRONICS



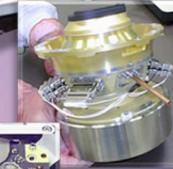
COOLER ELECTRONICS (2)



CRYOCOOLER ASSEMBLY



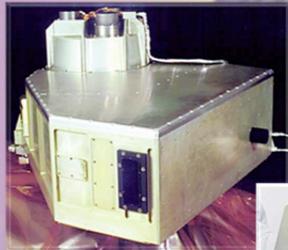
INSTRUMENT SUPPORT STRUCTURE



DEWAR ASSEMBLY



FOCAL PLANE ARRAY



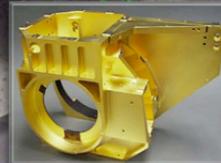
IR SPECTROMETER ASSEMBLY



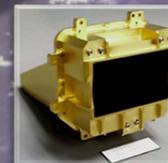
GRATING



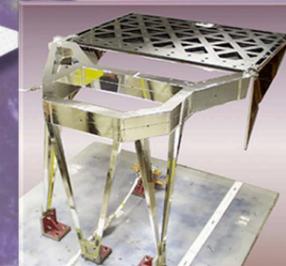
SCAN MOTOR / ENCODER



SCAN HOUSING



RADIOMETRIC CALIBRATOR



EARTH SHIELD ASSEMBLY

A World Class Instrument...Built by a World Class Team



AIRS Delivery to TRW



Delivery of AIRS to TRW in its sealed shipping container.



Preparations for the AIRS Bench Acceptance Test at TRW.



AIRS Integration-1



Integration of the AIRS Instrument with the Heat Rejection System.



AIRS kinematic mounts (only six of seven are shown) pre-installed on the Aqua Spacecraft.



AIRS Integration-2



Hoisting the integrated AIRS Instrument and Heat Rejection System onto the 7 kinematic mounts on the Aqua Spacecraft.



Securing the AIRS Instrument and Heat Rejection System onto the Aqua Spacecraft



Acoustic & Sine Vibration Tests



The Aqua Observatory positioned inside the TRW acoustic test chamber.



The Aqua Observatory mounted on the shaker head for Z-axis sine vibration tests at TRW.



Aqua Thermal Vacuum Test-1



Lowering the Aqua Observatory into the 32-foot diameter thermal vacuum chamber at TRW.



Aqua Thermal Vacuum Test-2



Looking up at the AIRS Earth Shield and Space View Blackbody target (middle) in the thermal vacuum chamber.



AIRS Scanner (right), Space View Blackbody target (middle, rear) and contamination monitor (TQCM) in the thermal vacuum chamber.



AIRS Instrument Testing



Members of the AIRS Instrument Operations Team conducting verification tests in the Control Room at TRW.



SLC-6/IPF



SLIC-6 Integration
Processing Facility (IPF)



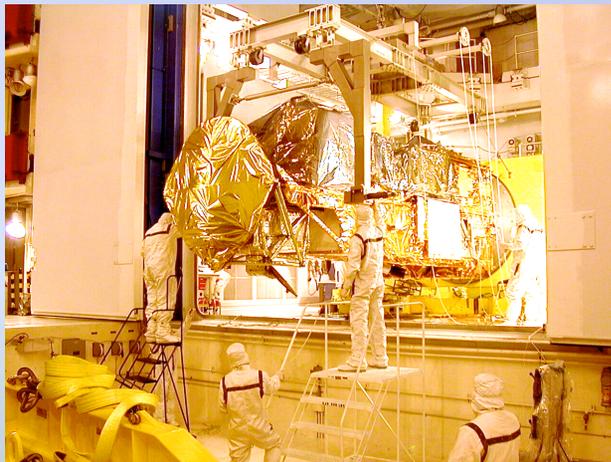


Aqua Delivery to the IPF





Aqua Installed in Cell 3





Final Testing in the IPF





Aqua Goes to the Launch Pad at SLC-2

Delta II launch vehicle and Aqua ready to go



Sectional transport container or "Can".



Final preparations at SLC-2.

