

The MASTER Aircraft Instrument

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The MODIS/ASTER (MASTER) airborne simulator is a joint development involving the Airborne Sensor Facility at the Ames Research Center, the Jet Propulsion Laboratory and the EROS Data Center. The primary objective of the MASTER activity is to support the ASTER and MODIS instrument teams in the areas of algorithm development, calibration and validation. MASTER is a 50-channel instrument with 25 bands in the VIS-SWIR, 15 in the MIR, and 10 in the TIR. The scanner flies on a B2000 aircraft, the ER-2, and the DC-8. Geologic applications , compared to the bands for the ASTER satellite will be displayed.