Airborne Spectrometer

The Pushbroom Imager for Cloud and Aerosol Research and Development is a V/SWIR imaging spectrometer designed to support atmospheric research. It features an undistorted wide field ...

A team of NASA scientists is using a high-altitude aircraft and a sophisticated imaging spectrometer built by NASA"s Jet Propulsion Laboratory in Pasadena, California, to study environmental impacts ...

In this study, we report the development of a push-broom airborne multimodular imaging spectrometer (AMMIS) that spans ultraviolet (UV), visible near-infrared (VNIR), shortwave infrared ...

NASA"s AVIRIS-NG, the successor to AVIRIS-C, is an airborne imaging spectrometer often used for terrestrial ecology research investigations.

Commissioned by the Swiss Airborne Research Facility for the Earth System (ARES) research consortium, AVIRIS-4 is geared toward delivering cutting-edge imaging spectroscopy data ...

AVIRIS, of AIS (Airborne Imaging Spectrometer) heritage, is a NASA/JPL-developed/owned instrument operated by NASA/JPL and flown aboard various aircraft types.

With current technology, it has become possible to build sensors than can measure spectra as images of the Earth at high spectral and spatial resolution. Below is a depiction of how NASA"s Airborne ...

We validate the ability of the Airborne Visible/Infrared Imaging Spectrometer 3 (AVIRIS-3), a NASA imaging spectrometer, to detect greenhouse gas enhancements from an airborne platform ...

The Airborne Visible-Infrared Imaging Spectrometer - Next Generation (AVIRIS-NG) has been developed to provide continued access to high signal-to-noise ratio imaging spectroscopy ...

AVIRIS is the first full spectral range imaging spectrometer and dedicated to Earth Remote Measurement. It is a unique optical sensor that continues to deliver calibrated images of the ...

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