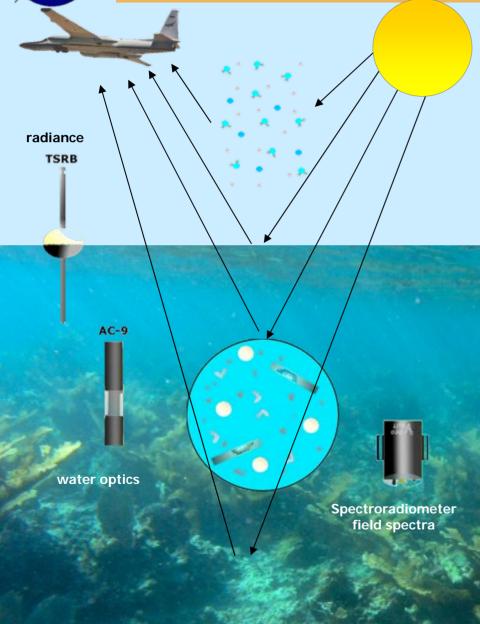
NASA imaging used to study coral reef ecosystems Airborne hyperspectral (AVIRIS) and camera imaging (DCS)



NASA Coral Reef Health and Biodiversity Project: Dr. Liane Guild, NASA Ames http://geo.arc.nasa.gov/sge/coral-health/

AVIRIS (Airborne Visible Infrared Imaging Spectrometer) •224 contiguous spectral channels, many channels in the visible spectrum High resolution DCS (digital camera system)

Field Sampling, Calibration and Validation

Atmospheric correction, sun glint removal, water column correction
Field spectra of bottom types using handheld spectroradiometer
Percent cover of bottom types

Underwater photography

•Rugosity (index of coral morphology)

