



EVS-2 Investigation Summary: Coral Reef Airborne Laboratory (CORAL)



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Science: Will determine the functional link between coral reef condition and the biogeophysical (i.e., biological and environmental) forcings that impact the ecosystem.

- Investigation start date: August 12, 2015
- Airborne element:
 - Platform: G-IV (Tempus Applied Solutions)
 - Observations: PRISM (JPL) is an imaging spectrometer that measures radiances that are processed into benthic cover, primary productivity, and calcification.
- In-situ ocean element for PRISM validation:
 - Platform: boat rentals
 - Observations: seafloor, water column and water-leaving optical properties, and surveys of reef benthic cover, primary productivity, and calcification
- Deployments: Four deployments to North Atlantic
 - Sept/Oct 2016 (Great Barrier Reef)
 - Feb/Mar 2017 (Hawaii)
 - April/May 2017 (Marianas Islands and Palau)
 - May 2017 (Florida Keys)