A PHILLS image of Adderly Cut, Lee Stocking Island, Bahamas. Figures outline the look-up-table (LUT) Rs retrieval approach beginning with A) Extraction of the pixel Rs, B) comparison to the spectrum database (n=19,545) and C) retrieval of environmental information resulting from an Rs match; in this case 2.75 meters depth with sparse sea grass on sand.

A false color composite of the 9 m PHILLS 2 data collected on July 31, 2001 at the HyCODE LEO-15 study site. Inset is the actual Rs(555) flight line data rendered into density slices to highlight the spatial variation along the flight path. The inset is an enlargement of the near-shore variability.