

U.S. Hydrography

Late 20th Century
to the Present



The Hydrographic Society of America (THSOA)

About

- 1 Global Positioning System (GPS) Block IIR(M) satellite. Credit: U.S. Air Force
- 2 First GOES-14 full-disk visible image. 2009 July 27.
- 3 On April 20, 2005 NASA, NOAA and General Atomics Aeronautical Systems launched the first-of-its-kind Unmanned Aerial Vehicle (UAV) demonstration. Today, UAVs are being utilized for a number of data collection missions to improve mapping, charting, environmental forecasting and assessment.
- 4 NOAA Ship Thomas Jefferson. Part of a fleet of NOAA survey vessels, the ship's primary mission is collect and process the data needed to maintain and update nautical charts.
- 5 Imagenex pencil-beam sonar image created from data collected during the NOAA/OER 2002 Ring of Fire Expedition by ABE, an Autonomous Underwater Vehicle (AUV).
- 6 Designed and built at the Woods Hole Oceanographic Institution (WHOI) in 1995, ABE (Automated Benthic Explorer) was the first underwater robotic vehicle of its kind. Unfortunately ABE was lost at sea in March, 2010 while exploring near Chile.
- 7 Technicians service a TAO (Tropical Atmosphere/Ocean) buoy, one of about 70 moorings in the Tropical Pacific Ocean that collect and transmit oceanographic and meteorological data to shore in real-time via the Argos satellite system.



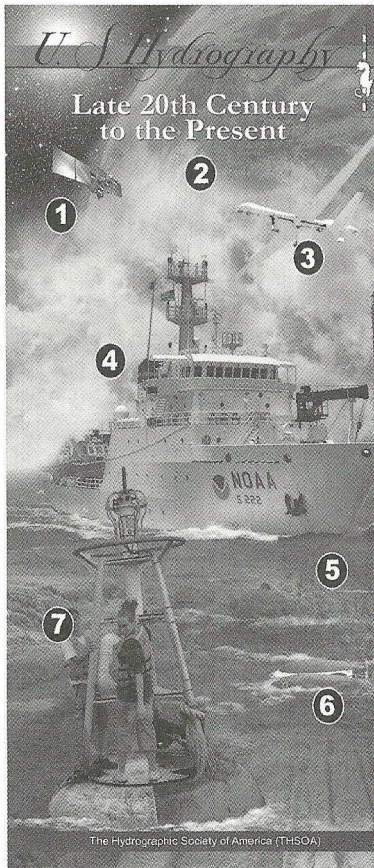
Images courtesy of the National Oceanic and Atmospheric Administration (NOAA), NOAA Central Library.

Visit the following NOAA links for additional imagery:

NOAA Central Library
www.lib.noaa.gov

NOAA Photo Library
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The Hydrographic Society of America (THSOA) mission is to promote education in hydrography.

Founded in 1980, THSOA is a non-profit organization whose membership is open to any individual or organization with an interest in surveying in hydrospace. No formal qualifications are required.



Our mailing address (no office) is Hydrographic Society, 56 Bradley Street, Middletown, CT 06457.

For more information about THSOA, visit our website at www.thsoa.org.