

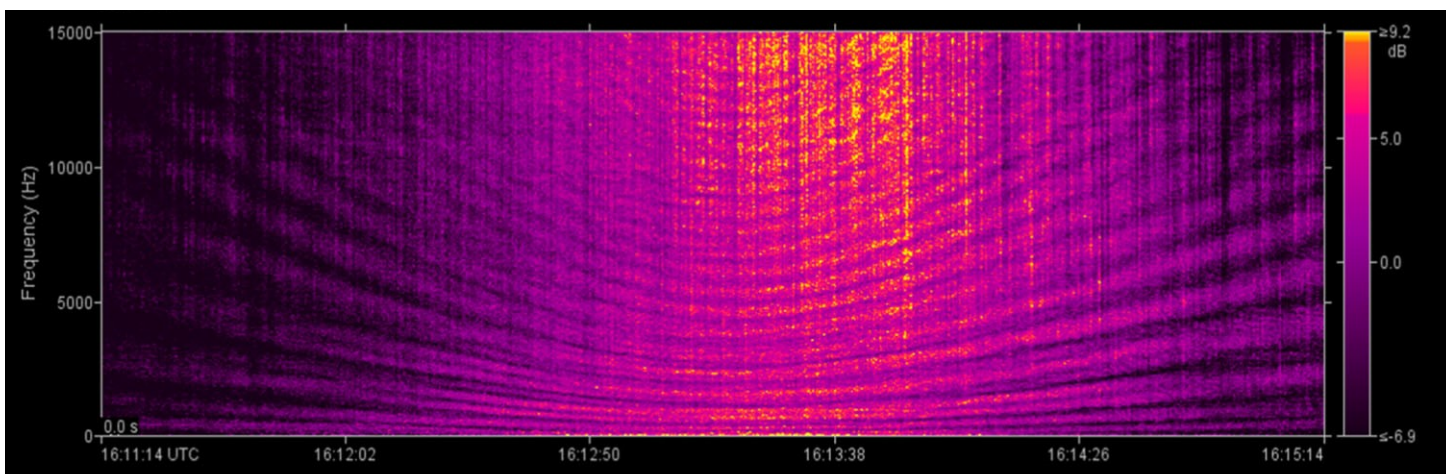
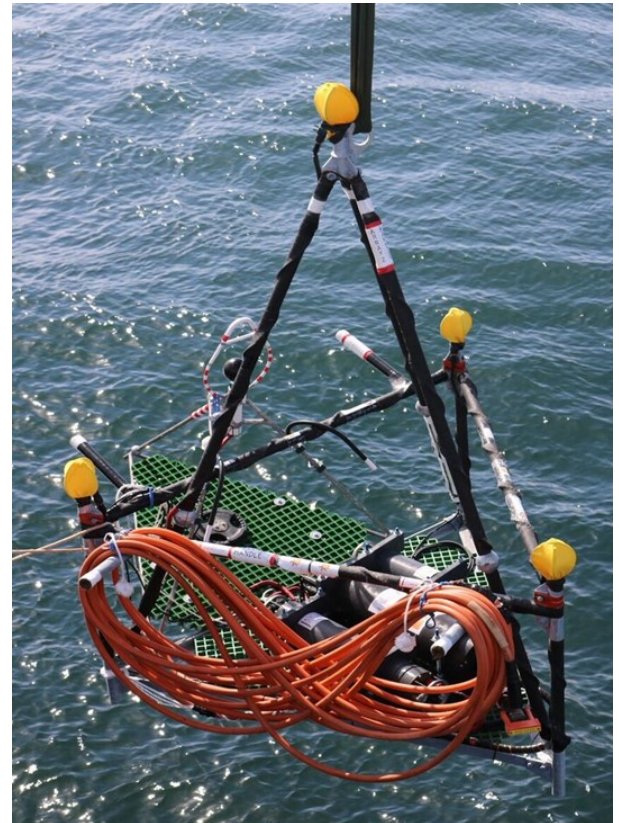
OceanObserver™ Underwater Listening Station

Product code: OCEANOBS-ULS

A bottom-mounted sensor system designed for vessel noise measurements. JASCO's ULS can also detect, identify, and locate vessels and marine mammals and measure ambient noise. The ULS also supports non-acoustic ocean observation via integrated oceanographic sensors.

SPECIFICATIONS

Acoustic sensors:	Four omnidirectional hydrophones in a tetrahedral spatial array. Up to 16 hydrophones possible.
Other sensor options:	Oxygen, salinity, acidity/pH, depth, turbidity, temperature, others upon request.
Communication:	Typically E-O cable to shore or buoy, Ethernet, Cellular, Wi-Fi, VHF, Iridium. Raw streaming to shore or support vessel, or transmission of derived information products (if bandwidth limited)
Optional data recording:	Recording of raw data—up to 10 TB on removable SD memory cards.
Data analysis and processing:	Vessel noise quantification, ambient noise statistics, and event detection such as marine mammal whistles, moans, and echolocation clicks, seismic, sonar, and pile driving.
Data sharing and visualization:	Web-based delivery & sharing of information products via Web Portal, JASCO's online data navigation and visualization tool.



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