

OceanObserver™ 3-Metre Buoy

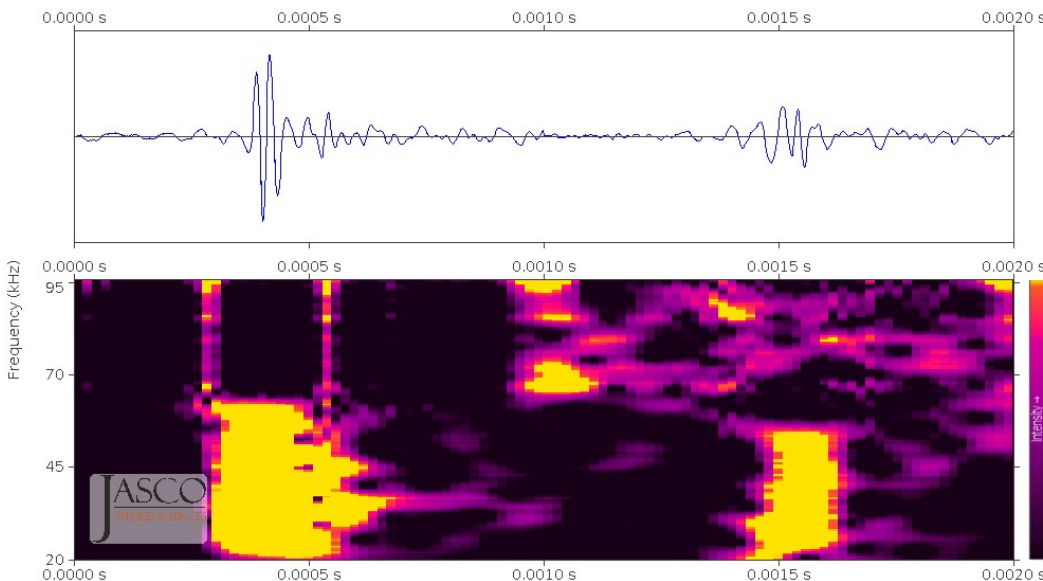
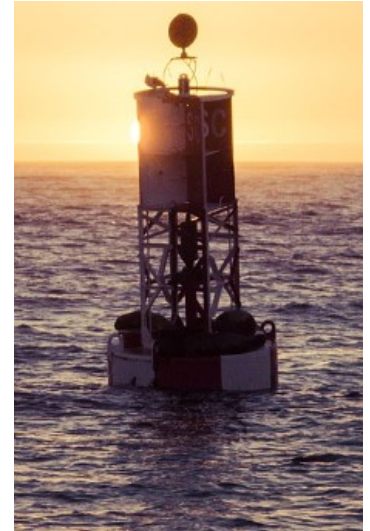
Product code: OCEANOBS-3.0M

A rugged, highly-capable system for autonomous operation in harsh marine conditions. Based on JASCO’s Observer electronics suite, it performs onboard signal processing to produce marine mammal detections, ambient noise data, seismic event detections, and many other acoustic events. Marine mammal detections can include click events up to 256 kHz in frequency. Information can be relayed to shore via multiple wireless links, where it is converted into emails for direct delivery to users or made available online.

The OceanObserver Buoy is controlled via an intuitive PC-based application that allows the system to be powered on/off or to be duty-cycled on a schedule. With the email-based delivery system, users can control the system and receive their data via smartphone, tablet, or computer—ideal for marine mammal observers and construction monitoring personnel.

SPECIFICATIONS

Onboard processing algorithms:	Marine mammal whistles and moans, echolocation clicks (up to 256 kHz), seismic events, vessels, ambient measurements
Telemetry and control links:	Cellular, Wi-Fi, VHF radio, Iridium Direct streaming to shore available via Wi-Fi or cellular
Acoustic sensors:	Omnidirectional hydrophones, directional sensors, small linear arrays, spatial arrays
Non-acoustic sensors:	GPS, AIS, oxygen, salinity, acidity/pH, turbidity, orientation, temperature, met sensors, and others upon request
Power draw:	< 0.9 W on standby, 5 W operating (cellular configuration)



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