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# Oceanography

## Supplementary Materials for

### **The Recent Volcanic History of Axial Seamount: Geophysical Insights into Past Eruption Dynamics with an Eye Toward Enhanced Observations of Future Eruptions**

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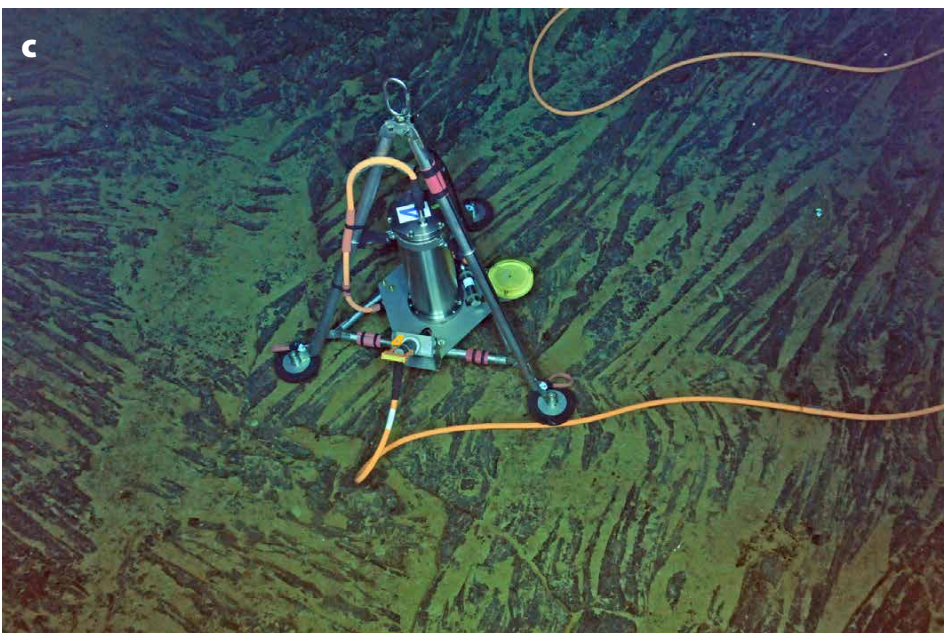
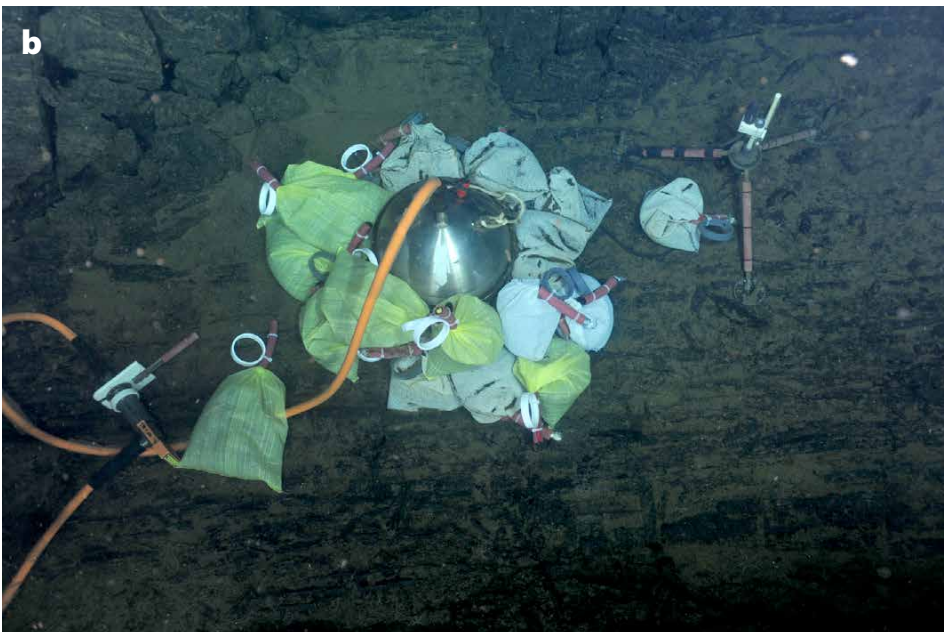
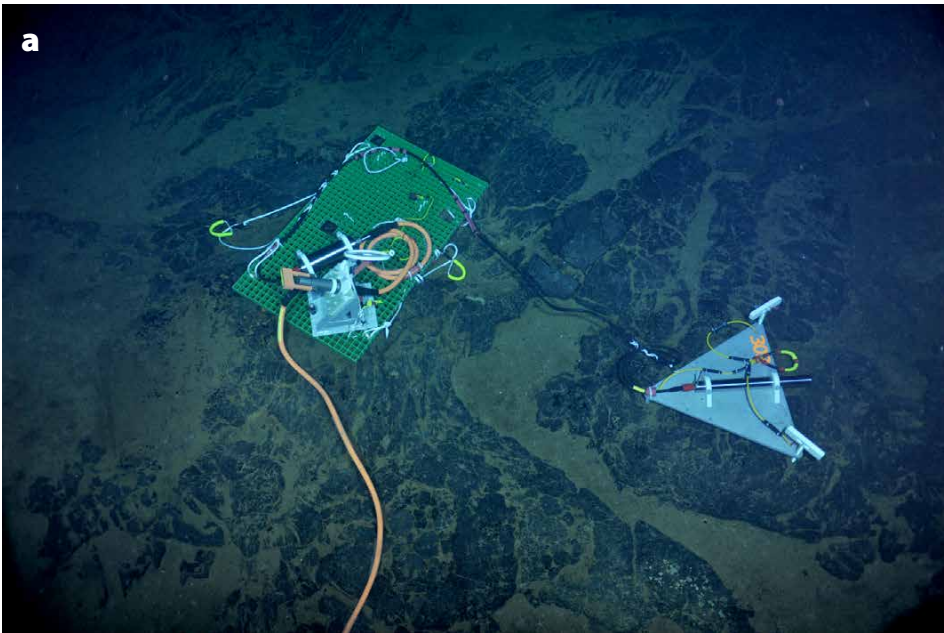
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**FIGURE S1.** (a) Photograph of a short-period seismometer on the Ocean Observatories Initiative (OOI) Cabled Array at Axial Seamount. The instrument sits on triangular baseplate with two adjustable legs for leveling. It is attached via a cable to a pressure case with electronics on the green platform that is in turn connected to the Cabled Array with a wet-mate connector (credit: University of Washington / National Science Foundation (NSF) - OOI / Canadian Scientific Submersible Facility (CSSF)). (b) Photograph of a broadband seismometer in a spherical pressure case (center) and a hydrophone on a tripod (right) connected on the OOI Cabled Array at Axial Seamount. Sand bags are placed around the seismometer to improve coupling and reduce noise (credit: University of Washington/NSF-OOI/CSSF). (c) Photograph of bottom pressure and tilt instrument on the OOI Cabled Array at Axial Seamount. The sensors sit on tripod with a bubble level to aid deployment (credit: University of Washington/NSF-OOI/CSSF).

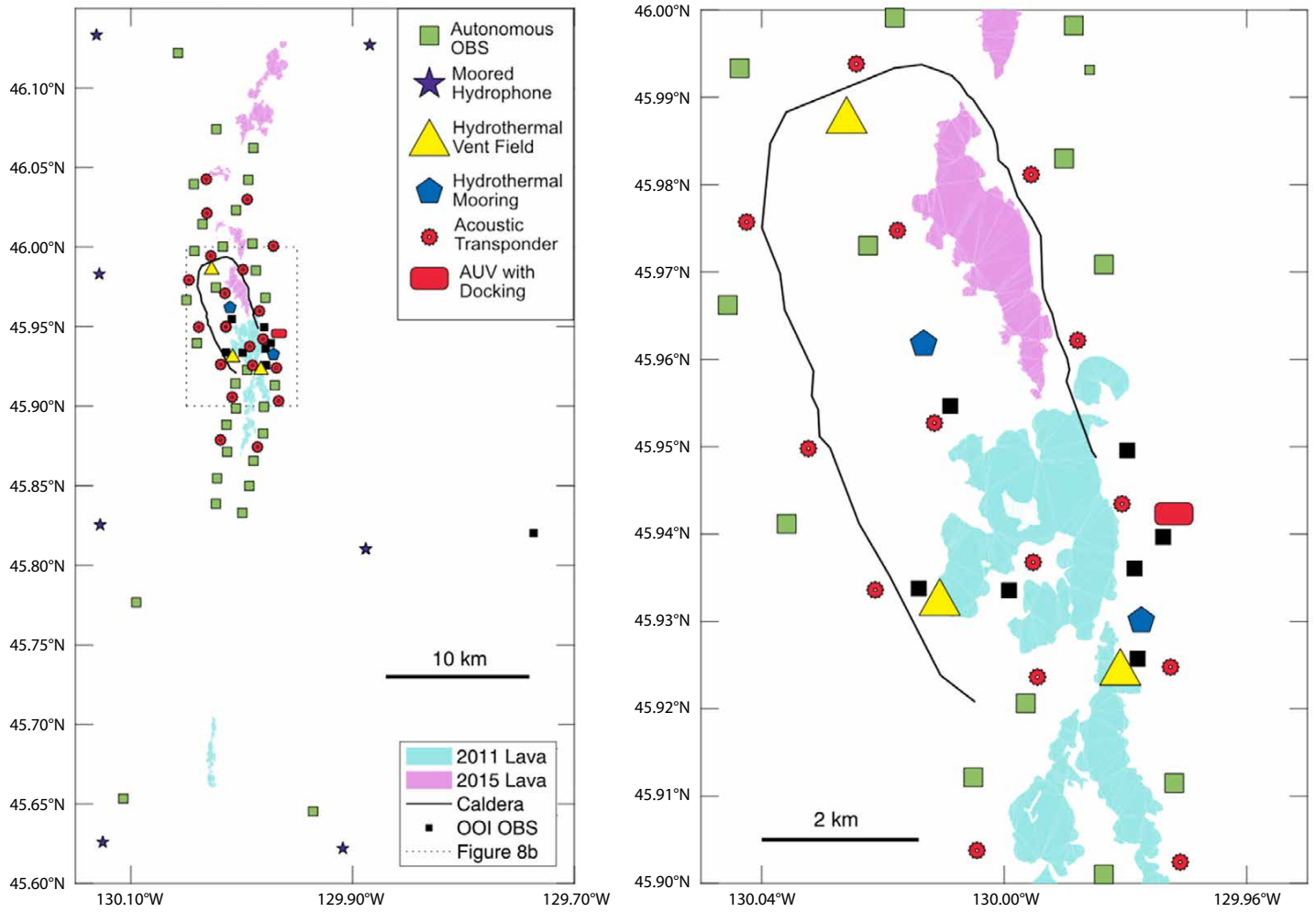


FIGURE S2. Map of Axial Seamount showing a schematic configuration of additional sensors that might be added prior to the next eruption.