

CIET Year 3 Recovery Cruise OC1405A, R.V. Oceanus, 05/13/12 – 05/21/12

The primary cruise objective was to recover 21 of the 23 WHOI OBS deployed in August 2013 (cruise OC1307C), as part of the Year-3 Cascadia Initiative OBS array. Two of the 23 OBS deployed on cruise OC1307C did not respond to acoustics immediately on deployment, and these 2 OBS are scheduled to be recovered with the JASON ROV on cruise TN-312 of the R/V Thompson in June.

Eleven OBS carry intermediate-period seismometers, and were designed and built by WHOI for the Amphibious Array with funding from the American Recovery and Reinvestment Act (ARRA). Ten OBS, funded by the W.M. Keck Foundation, carry broadband seismometers and strong-motion accelerometers. All OBS carry a Differential Pressure Gauge (DPG). The OBS were provided by the NSF-funded U. S. National Ocean Bottom Seismograph Instrumentation Pool (OBSIP) and by WHOI.

The 21 OBS scheduled for recovery were all safely recovered. Weather conditions were excellent. With the exception of J69C, all stations recorded full data loads. Station J69C shut down on April 23, 2014 for reasons yet to be determined.

OC1405A Ship Track

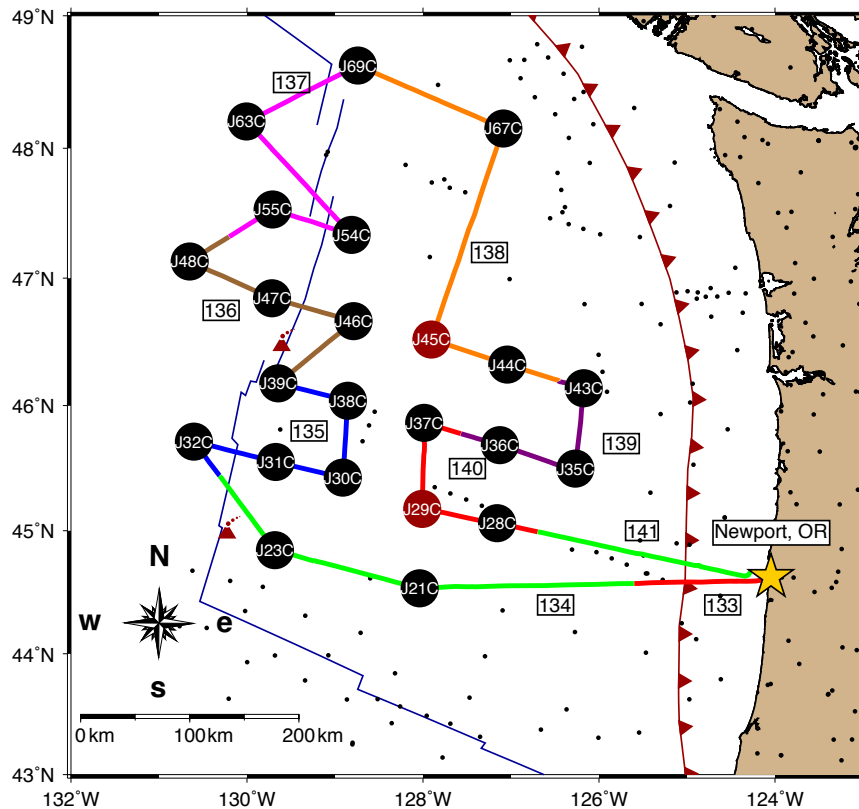


Figure 1. OC1405A cruise track. Numbers in boxes show day-of-year 2014 (UTC). Black and maroon filled-circles and associated numbers show location and names of all visited OBS sites. Cruise commenced on day 133 (2014-05-13), and ended on day 141 (2014-05-21). Small black dots show the locations of recent OBS deployments.