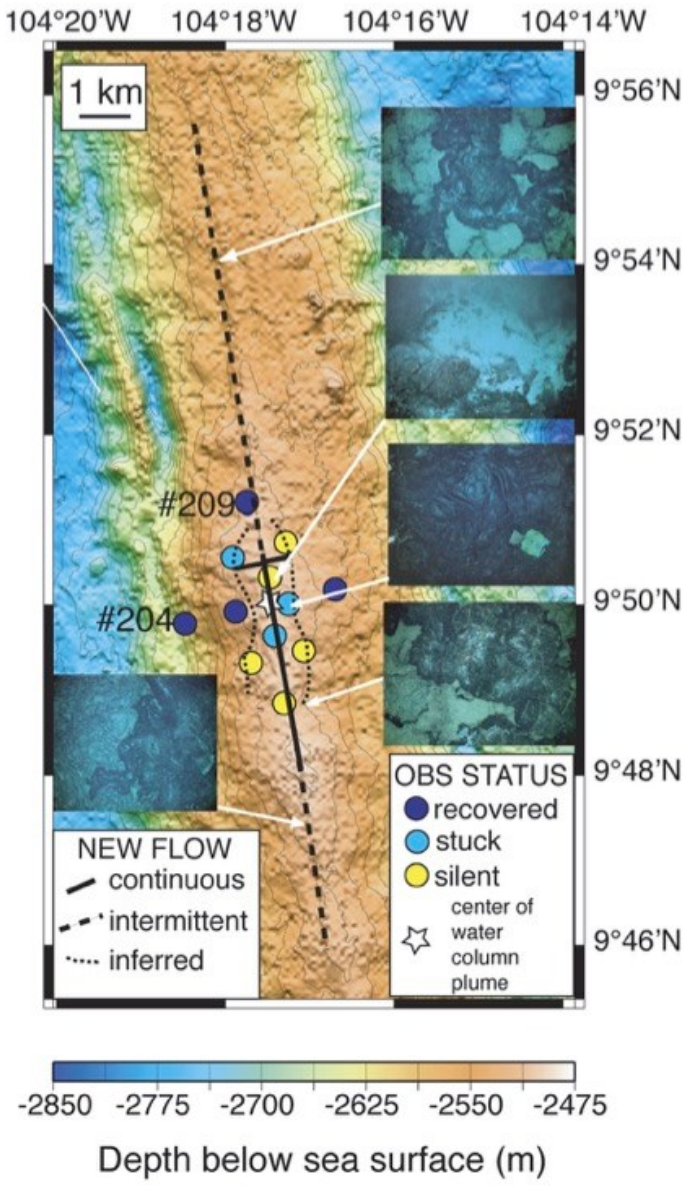
OBSIP Experiment Archive

Year:	2003
Experiment Name:	East Pacific Ridge 9ºN (EPR-9N)
Principal Investigator(s):	Maya Tolstoy

Experiment Summary: (Taken from NSF Abstract #0327283): An array of twelve ocean-bottom seismometers will be deployed within the 'bull's-eye' region of the Ridge 2000 East Pacific Rise integrated studies site at 9 degrees 50 minutes north. The character of near-axis faulting will be studied, the seismically active hydrothermal system will be mapped, the seismic character of any magmatic activity will be observed, and tidal triggering of seismicity will be studied. The work is coordinated with other multidisciplinary monitoring in the area and the results will be released as rapidly as possible.

Cruises:
2003 - 2003:
9 SIO short-period OBS were deployed.

2004 - 2004:
18 SIO short-period OBS were deployed (105 was not deployed) and 9 SIO short-period OBS were recovered.



Recovered OBS are in dark blue circles for the 2005-2006 deployment.

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Cruises:
2005 - 2005:
12 SIO short-period OBS were deployed and 18 SIO short-period OBS were recovered.

3/28/2006 - 4/3/2003:
11 SIO short-period OBS were deployed (306 was not deployed) and 4 SIO short-period OBS were recovered with the R/V Knorr [KN182 -13]. 5 SIO short-period OBS (201, 202, 203, 208, 211) were unresponsive and 3 were stuck.

1/10/2007 - 2/5/2007:
8 SIO short-period OBS were recovered with the R/V Atlantis [AT15 -15]. 3 SIO short-period OBS (303, 305, 309) were unresponsive or stuck.

Data:
Data from all instruments deployed will be archived at assembled dataset #ID 04-020 at the IRIS DMC.

Downloads/Links:
Experiment Website

Science Paper

GRL Paper