

2012 NeMO Axial Seamount Observatory Project

R/V Marcus G. Langseth, ROV Jason

Funded by NOAA/PMEL

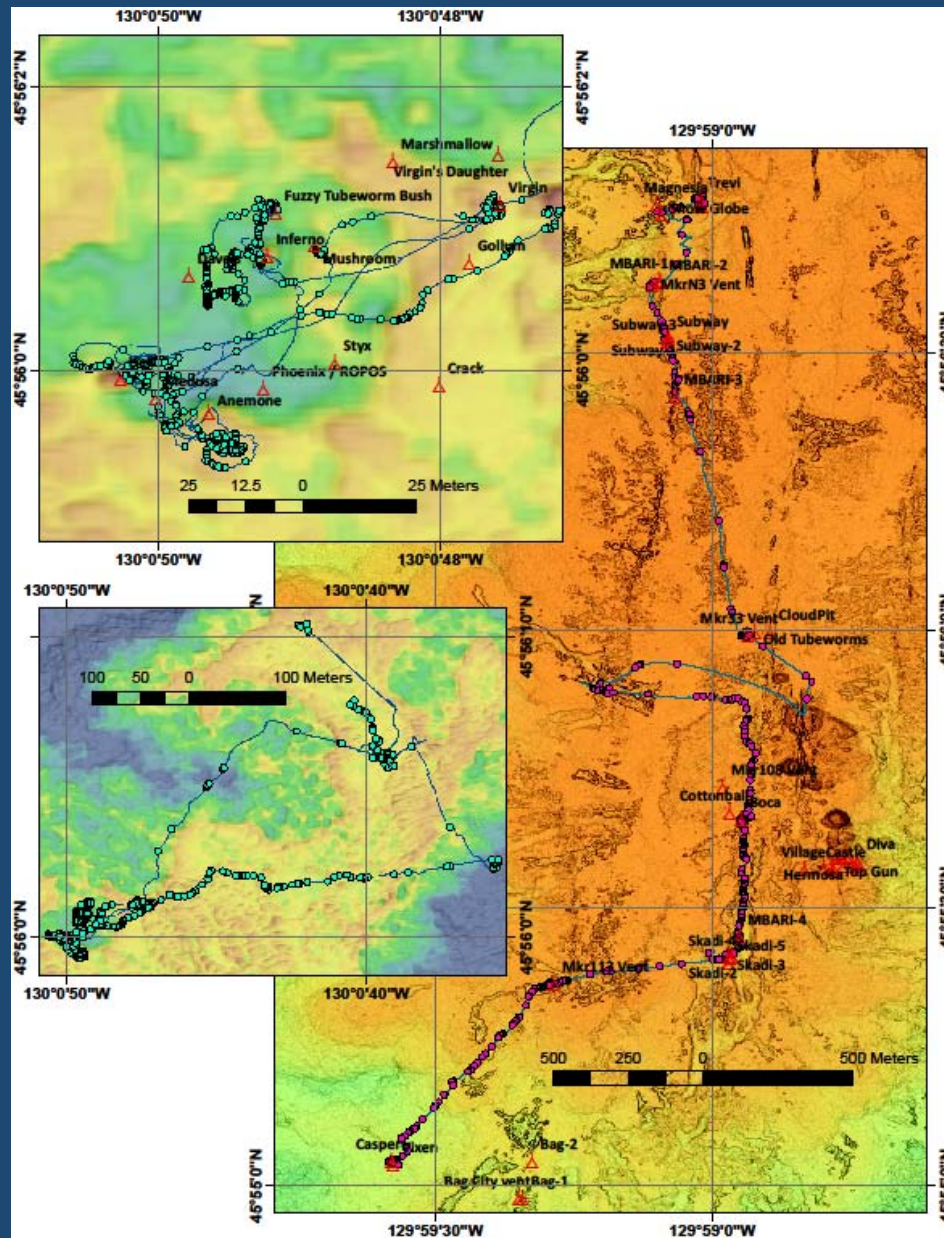
PI: David Butterfield

Additional funding: Gordon and Betty Moore
Foundation, Marine Microbiology Initiative,
PIs: J. Huber, D. Butterfield, J. Holden

Combined with Self-Calibrating Pressure Sensor
Project NSF OCE 0851540

PIs: Mark Zumberge and Glenn Sasagawa

And Tivey/Farr Optical Comms Project at Middle Valley

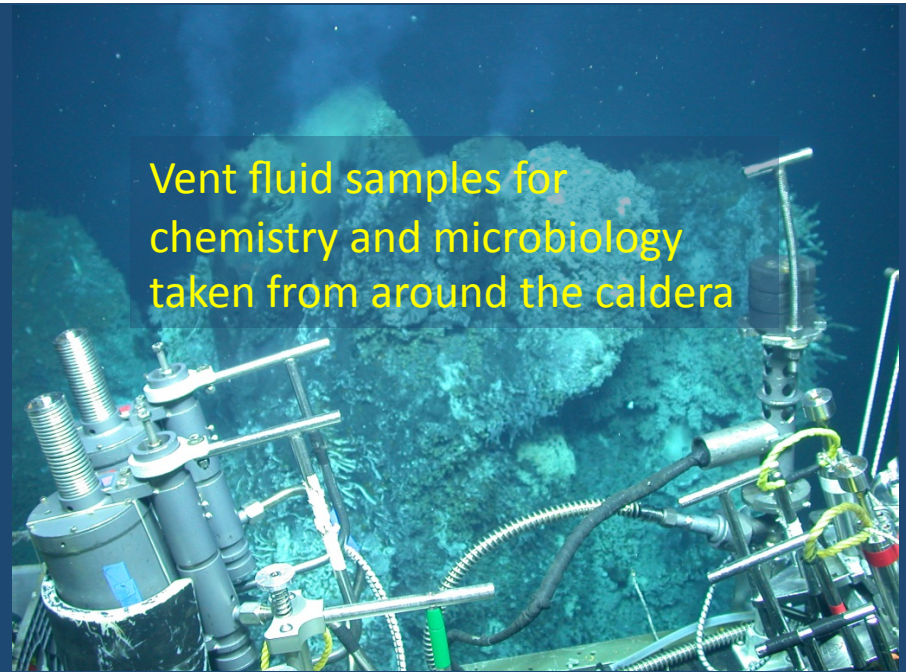


- THANK YOU to Jason group, NSF, UNOLS, LDEO/ Langseth and UW/ Thompson for making the cruise happen!
- Axial erupted in April, 2011
- Time-series observations, sampling and instrument servicing
- CTD casts, Moorings deployed and recovered
- 2 Jason Dives at Axial
- ~40 hours bottom time
- Third dive cancelled due to winch problem

Scripps SCPR Deployed & Recovered



Vent fluid samples for chemistry and microbiology taken from around the caldera



First use of Jason on R/V Langseth



A challenging deck and lab layout for multi-disciplinary ROV project

