Early Career Opportunity: Investigating Eruption Cycles at 9° 50’N East Pacific Rise

December 2 – 18, 2018

Co-PI’s:
Trish Gregg, University of Illinois
Dan Fornari, Woods Hole Oceanographic Inst.
Mike Perfit, University of Florida
Dorsey Wanless, Boise State University
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Important findings included:

- Eruption cycles on a fast-spreading ridge
- Biological response to eruptions (e.g., M-Vent)
- Water-rock reaction zone dynamics
- Lava channel formation and magma transport
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There is evidence for recent lava flows in the Axial Summit Trough based on 2017 Alvin dive observations by G. Luther’s group (U. Delaware) in the Ty/lo vent area!
NSF Supported Reconnaissance:
4 days on site at 9° 50’N

3 AUV Sentry Dives
3 HOV Alvin Dives

Berthing space and travel support for ~6-8 Early Career Scientists

Depart Manzanillo, Mexico, December 2
Arrive in San Diego, CA, December 18

Application solicitation in Early 2018