Axial 2020 Expedition to Axial Seamount (R/V Thompson TN383)

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Main goals using ROV Jason & AUV Sentry:

- Repeat pressure measurements for volcano inflation/deflation time-series monitoring
- Repeat AUV bathymetric mapping to measure inflation/deflation inside & outside caldera (Nooner/Chadwick/Caress; NSF-funded)
- Deploy & recover Crustal Compliance instruments (Spahr Webb; NSF-funded)
- Time-series sampling of hydrothermal fluid chemistry & e-DNA pilot study (Butterfield/Baumberger/McAllister. NOAA, OSU, UW)
- 5 ROV Jason dives, 7 AUV Sentry dives
- 9 CTD casts, 5 instrument mooring turn-arounds, multibeam bathymetric surveys













Thanks to UNOLS, NSF, UW, WHOI for making it happen!







