Axial 2015 Expedition (TN327) – Axial Seamount

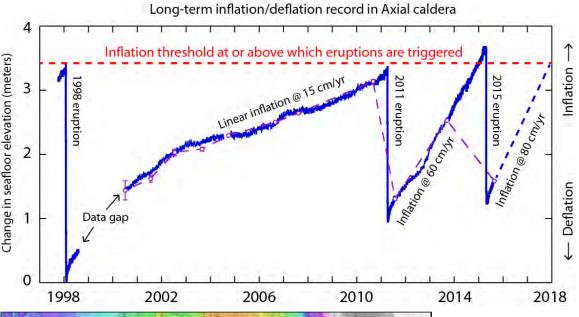


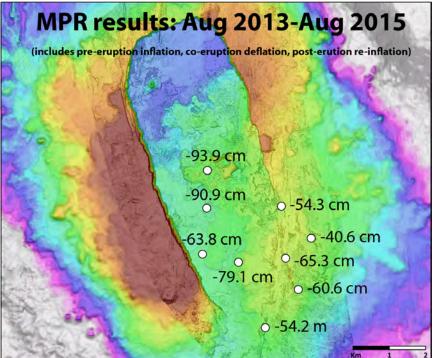
R/V Thompson – August 14-29, 2015 Seattle-Seattle

Main goals using Jason & Sentry:

- Inflation/deflation time-series monitoring (Nooner/Chadwick; Funding from NSF)
- Time-series fluid and microbial sampling (Butterfield/Holden/Huber: Funding from NOAA-PMEL & Moore Foundation)
- Response to April 2015 eruption (All Pls: Funding from NSF-RAPID & NOAA-PMEL)
- 6 ROV Jason dives
- 6 AUV Sentry dives
- CTD casts/tows, mooring turn-arounds

See Nooner et al. poster OS43A-2015

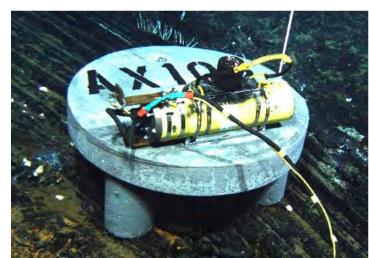


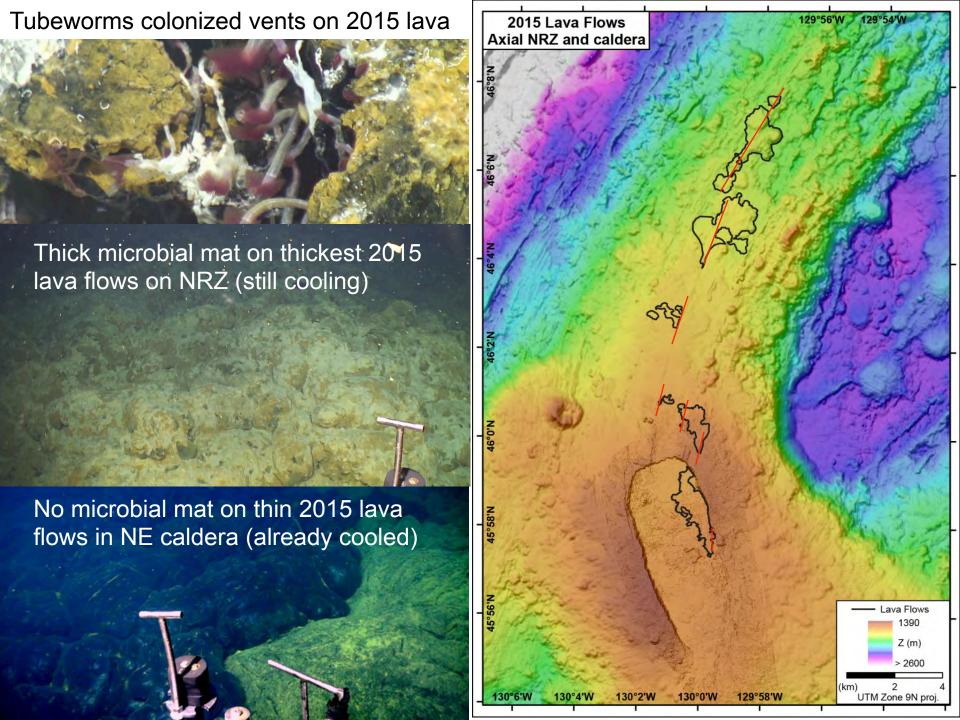


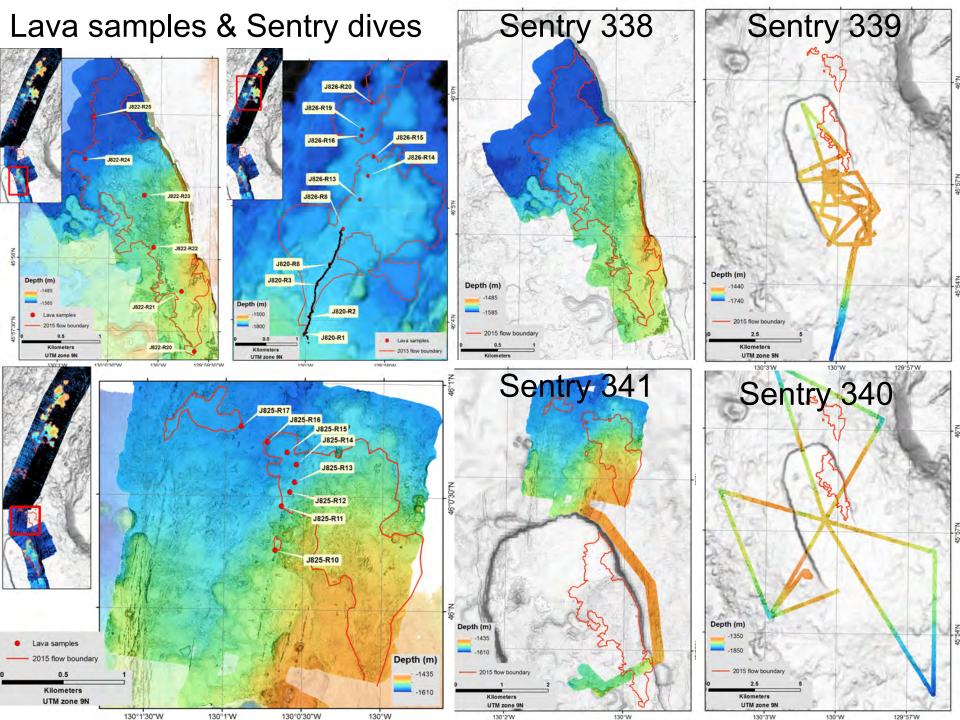
BPR = Bottom Pressure Recorder



MPR = Mobile Pressure Recorder







Cruise web site: axial2015.blogspot.com

Axial Seamount Expedition 2015

R/V Thompson | ROV Jason and AUV Sentry | Seattle-Seattle, August 14-29

Cruise Success

Saturday August 29, 2015

By Rachel Teasdale



Axial Seamount 2015 Expedition video summary of the highlights and results from the expedition. Video by Jesse Crowell in association with Saskia Madlener at 77th Parallel Productions. Music: "Arboles by Podington Bear, https://freemusicarchive.org/music/Podington_Bear/Encouraging/Arboles"

Cruise Success!

As the Axial Seamount 2015 Expedition comes to an end, the science team aboard the R/V Thompson is thrilled with the extensive work completed since departing Seattle on August 14. Chief Scientist Bill Chadwick was able to work around the three days of bad weather that prevented the launch of ROV Jason and AUV Sentry, and with creative rescheduling, efficient ROV Jason and AUV Sentry operations and flexibility of the R/V Thompson crew we were



POSTINGS FROM SEA

- ▼ 2015 (24)
 - ▼ August (24)

Cruise Success

Last 2 Jason Dives

Dive 3 & 4 Highlights

Making Lava Maps

Facilitating Science

Forecasting Eruptions

Skyping from Sea

Detecting Deformation

Pressure Dive

Second Jason Dive

Incubator Experiments

Myth-Busting

The Weather

First Jason Dive

Jason and Medea

CTD Tow-yo

AUV Sentry

The 2015 Eruption

Launch of the SS Morningstar

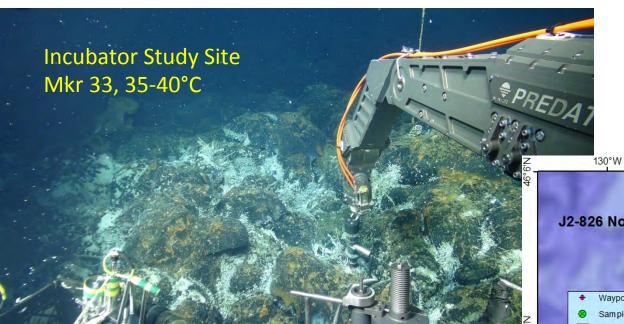
Life At Sea

Departure and Looking Ahead

Axial 2015 Introduction

Scientists

R/V Thompson Crew



Sample Type	Quantity
Ti Majors	6
Gas-Tight	9
HFPS bag/	
piston	38
RNA	8
Incubation	8
129°59'30"W	129°59'W

