



# Endeavour Workshop 2024

## Tuesday, 12 November 2024

### Lightning Talks: Where do things stand now? Part 1 - Room 101 (09:00 - 10:30)

time	[id] title	presenter
09:00	[5] Recent seismicity at Endeavour	KRAUSS, Zoe
09:15	[6] The evolution of vent fluid temperature and chemistry	LILLEY, Marv
09:30	[7] An across axis continuous video survey, retractable for surficial changes following an event	KWASNITSCHKA, Tom
09:45	[8] Changes in venting and chimney structures: growth and collapse	MIHALY, Steve
10:00	[10] Predicting the volcanic cycle at Axial Seamount	CHADWICK, Bill

### Lightning Talks: Where do things stand now? Part 2 - Room 101 (11:00 - 12:30)

time	[id] title	presenter
11:00	[11] Regulatory context and activity plan process for research in Tang.gwan - ḥačx <sup>w</sup> iqak - Tsigis Marine Protected Area	MORTIMOR, James
11:15	[12] A time series of hydrothermal output at Main Endeavour Field	ROBUTKA, Hannah
11:30	[13] Hydrothermal plume dispersion at Endeavour Segment: modeling and observations from expedition AT15-15 (Aug 24th-Sept 17th, 2023)	XU, Guangyu
11:45	[15] Vent fauna	BATES, Amanda
12:00	[16] Macro-micro fauna interactions	YOHE, Laurel
12:15	[17] Microbial Biogeochemical Cycling and Upcoming Expedition Plans	MURDOCK, Sheryl

### Lightning Talks: Data needed prior to a perturbation - Room 101 (13:30 - 15:00)

time	[id] title	presenter
13:30	[18] An OBS experiment to better understanding regional and local deformation	WILCOCK, William
13:45	[19] The need for broadly distributed high-quality samples of high-temperature hydrothermal fluids to define baseline fluid chemistry	SYVERSON, Drew
14:00	[20] AUV bathymetric mapping for measuring change by repeat mapping after a perturbation	JAMIESON, John
14:15	[21] Fibre cable for tracking temperature and seismicity	PHILLIPS, Brennan BECKER, Johan
14:45	[27] Iron and manganese in hydrothermal fluids	DAVIS, Jess MOORE, Laura

### Lightning Talks: Monitoring techniques - Room 101 (15:30 - 16:30)

time	[id] title	presenter
------	------------	-----------

15:30	[23] Expanded passive acoustic monitoring of temporal changes in hydrothermal venting	SMITH, Brendan
15:45	[24] Use of far field CORKed boreholes to measure volumetric strain associated with spreading events	DAVIS, Earl
16:00	[25] Using tilt meters and pressure sensors to monitor an event	FREDRICKSON, Erik HEESEMANN, Martin
16:15	[26] Earthquake detection and association using machine learning	HUTCHINSON, Jesse ZHANG, Miao