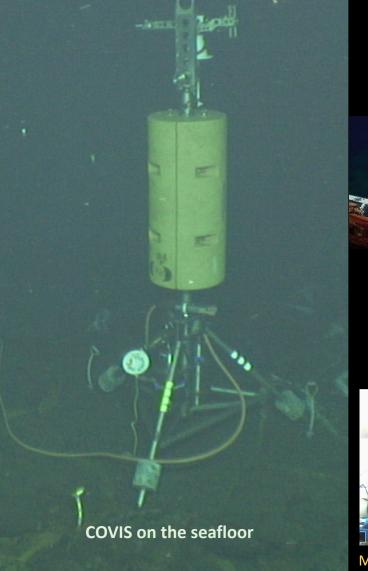
COVIS (Cabled Observatory Vent Imaging Sonar)

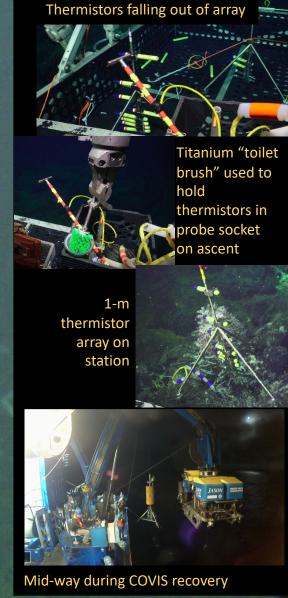
Pls: Karen Bemis, Tim McGinnis, Aaron Marburg, Guangyu Xu, Darrell Jackson, Anatoliy Ivakin, Leonid Germanovich

June - July 2019 - ROV Jason on R/V Atlantis

Field Operations

- Legs 2 AT42-12 cruise June 17
 - Recovery of COVIS with subsequent repair of frayed cable (J2-1156: 5.5 hours dive time)
 - OOI, Jason & ship crew did a great job supporting the recovery. Thanks to all for patience with the procedure to determine COVIS orientation.
 - Recovery of two 1 m tall, self-logging thermistor arrays during CamHD dive (J2_1155: 0.5 hours added dive time)
 - THANKS to Ben Brand, OOI, and Jason crew for making the thermistor array recovery possible
- Leg 4 AT42-12 cruise July 5 6
 - COVIS was (re-)deployed at ASHES vent field (J2-1195: 5.5 hours dive time)
 - Again a great job from OOI, Jason, and ship crew.
 - Supporting measurements (J2-1196 1197: 18.5 hours dive time)
 - Recovery of one 1 m tall, self-logging thermistor array
 - In situ temperature and flow rate measurements using a 2 m tall thermistor array, the JASON/NDSF high temperature probe, and a reference stick
 - THANKS to Jason crew for extra efforts in recovery the thermistors that fell off the arrays during the initial attempt
 - Deployed one 1 m tall thermistor array

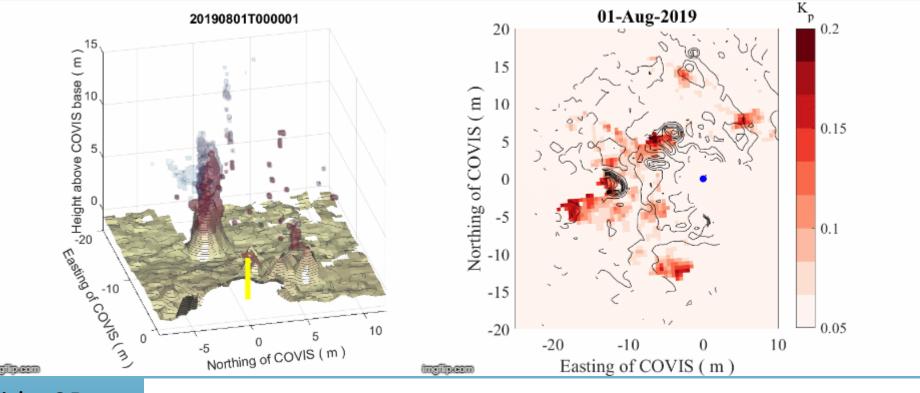






COVIS Data Products

Coming soon to a website near you



- Imaging Mode grids, 3D images, near vent intensity variations
- Diffuse Mode grids, maps, diffuse area coverage
- **Animations!**

