

Video Captions for 6/30 ROV Dive on Kawio Barat Highlights

- Little Hercules viewed from a camera mounted above the ROV
- The first approach to the source of the plume we found the day before: white plumes of warm sulphur-rich water.
- The fluid is rising from several openings and there is a lot of white sulfur coating the rocks below
- A close up of both yellow and black "frozen" flows of sulphur: colour indicates the temperature when molten sulphur was extruded
- Shrimp and limpets live among the strands of yellow and black sulfur and feed on the bacteria that grow near the vents
- We see the yellow sulfur in the vigorous venting above curtains of yellow and black sulfur strands; the laser points are 10cm apart
- Departing our first major discovery in search of more hydrothermal wonders
- The camera sled's perspective of the vent
- Stalked barnacles are the most abundant animals around these vent
- These vent barnacles have filaments of bacteria growing on their feeding appendages. They retract to feed on the filaments.
- These barnacles were everywhere
- Barnacles orient themselves on an oxidized spire to bathe their bacteria in the flow that is coming from below
- A sulfide chimney emitting hot water among a field of chimneys and barnacles as far as the eye could see; these chimneys are built from mineral deposits from hot water
- A close up of the top of a sulfide chimney, notice the white coating that may be bacterial mat