*Okeanos Explorer* ROV Dive Summary

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Dive Information | | | | |
| Dive Map |  | | | |
| Site Name | Deep Engineering test | | | |
| Expedition Coordinator(s) | Brian RC Kennedy | | | |
| ROV Lead(s) | Karl McLetchie | | | |
| Science Team Lead(s) | Frank Cantelas and James Delgado | | | |
| General Area Descriptor | South of Oahu | | | |
| ROV Dive Name | | | | |
| Cruise | EX-16-08 | | | |
| Leg | 0 | | | |
| Dive Number | 4 | | | |
| Equipment Deployed | | | | |
| ROV | Deep Discoverer (D2) | | | |
| Camera Platform | Seirios | | | |
| ROV Measurements | CTD | | Depth | Altitude |
|  | Scanning Sonar | | USBL Position | Heading |
|  | Pitch | | Roll | HD Camera 1 |
|  | HD Camera 2 | | Low Res Cam 1 | Low Res Cam 2 |
|  | Low Res Cam 3 | | Low Res Cam 4 | Low Res Cam 5 |
| Equipment Malfunctions |  | | | |
| ROV Dive Summary (from processed ROV data) | Dive Summary: EX1608\_DIVE04  ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^  In Water: 2016-12-06T23:53:10.434000  21°, 03.193' N ; 158°, 27.539' W  Out Water: 2016-12-07T03:41:54.288000  21°, 03.268' N ; 158°, 28.055' W  Dive duration: 3:48:43  Bottom Time: N/A  Max. depth: 3305.0 m | | | |
| Special Notes |  | | | |
| Scientists Involved  (please provide name, location, affiliation, email) | none | | | |
| Purpose of the Dive | Deep water test of ROV systems and traction winch | | | |
| Description of the Dive | This dive was devoted to engineering trials of the ROV and Telepresence systems. The ROV was lowered to 3305 meters to pressure test the ROV and assess the traction winch. The ROV never made bottom contact. | | | |
| Overall Map of the ROV Dive Area | | **Close-up Map of Main Dive Site** | | |
| None | | None | | |
|  | |  | | |
| Representative Photos of the Dive | | | | |
| None | | None | | |
| NA | | NA | | |

**Please direct inquiries to:**

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