*Okeanos Explorer* ROV Dive Summary

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| Dive Information | | | | |
| Dive Map |  | | | |
| Site Name | S-19 | | | |
| 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 | 3 | | | |
| 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 | The DP failed causing the dive to be aborted early. | | | |
| ROV Dive Summary (from processed ROV data) | Dive Summary: EX1608\_DIVE03  ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^  In Water: 2016-12-05T18:25:45.126000  21°, 14.326' N ; 158°, 00.394' W  Out Water: 2016-12-06T01:57:08.320000  21°, 14.456' N ; 157°, 59.929' W  Off Bottom: 2016-12-06T01:11:52.982000  21°, 14.345' N ; 158°, 00.179' W  On Bottom: 2016-12-05T18:52:26.380000  21°, 14.314' N ; 158°, 00.287' W  Dive duration: 7:31:23  Bottom Time: 6:19:26  Max. depth: 404.9 m | | | |
| Special Notes |  | | | |
| Scientists Involved  (please provide name, location, affiliation, email) | Shore based science participants were not recorded. | | | |
| Purpose of the Dive | Engineering trials of ship and ROV systems | | | |
| Description of the Dive | This dive was devoted to engineering trials of the ROV and Telepresence systems. After the completion of the engineering objectives the ROV explored the World War 1 submarine wreck of the S-19. Shortly after making visual contact with the wreck the ship started experiencing problems with the DP system and the dive had to be aborted for safety reasons. | | | |
| Overall Map of the ROV Dive Area | | **Close-up Map of Main Dive Site** | | |
| Hypack%20screen%20grabs/Dive03_Hypack_wide.JPG | | Hypack%20screen%20grabs/Dive03_Hypack_zoom.JPG | | |
|  | |  | | |
| Representative Photos of the Dive | | | | |
| ../Imagery/EX1608_DIVE03_20161205/EX1608_IMG_20161206T003755Z_ROVHD.jpg | | ../Imagery/EX1608_DIVE03_20161205/EX1608_IMG_20161206T010254Z_CPHD.jpg | | |
| The stern of the S-19 | | The ROV images the S-19 | | |

**Please direct inquiries to:**

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