*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 | [x]  CTD | [x]  Depth | [x]  Altitude |
|  | [x]  Scanning Sonar | [x]  USBL Position | [x]  Heading |
|  | [x]  Pitch | [x]  Roll | [x]  HD Camera 1 |
|  | [x]  HD Camera 2 | [x]  Low Res Cam 1 | [x]  Low Res Cam 2 |
|  | [x]  Low Res Cam 3 | [x]  Low Res Cam 4 | [x]  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' WOut Water: 2016-12-06T01:57:08.320000 21°, 14.456' N ; 157°, 59.929' WOff Bottom: 2016-12-06T01:11:52.982000 21°, 14.345' N ; 158°, 00.179' WOn Bottom: 2016-12-05T18:52:26.380000 21°, 14.314' N ; 158°, 00.287' WDive duration: 7:31:23Bottom Time: 6:19:26Max. 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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