



Document Purpose

This document is an addendum to the overarching Okeanos Explorer FY11 Data Management Plan (EX_FY11_DMP.doc) and is specific to the EX-11-02 mission entitled “Dockside ROV Integration and ROV Shakedown.” For more detailed information on the data management effort for the Okeanos Explorer in FY11, please refer to that document.

Data Management Overview

In its second mission of the FY11 field season, the *Okeanos Explorer* (EX) will perform shakedown exercises of its new camera platform, “*Seirios*”, working in tandem with the Institute for Exploration (IFE) Little Hercules ROV in targeted areas off the coast of southern California and near the Channel Islands.

Assumptions

All data from all sites identified in the EX-11-02 Project Instructions is publicly releasable. No protected sites have been identified.

EX-11-02

- ❖ *Dockside ROV Integration (April 4 – April 18, 2011)*
- ❖ *ROV Shakedown (April 19 – April 28, 2011)*

Data Management Objectives

The DMT’s objectives for this mission are:

- *Dockside ROV Integration (April 4 - 18, 2011)*
 - Toward the end of the dockside integration period, it is anticipated that test data files from the new cameras may be staged for retrieval from the URI SRS. If so, these files will be used to test the video pipeline, including documentation and throughput to the data centers for archive and VDMS access.
- *ROV Shakedown (April 19 – 28, 2011)*
 - During the mission:
 - Continue to test the new folder structure and file naming conventions defined during the off-season to streamline data flow and metadata generation.
 - Review and refine Standard Operating Procedures (SOP) for Data Management efforts.
 - Ensure the near real-time update of the *Okeanos Atlas* with
 - Ship track and hourly observations received via email.
 - ROV dive tracks from new kml format
 - ROV and Camera Sled images linked to dive tracks
 - CTD launch sites and profiles received via URI SRS. DMT will post-process and thin the profiles for quicker display on the site.

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- Daily logs pulled from URI through RSS feeds and links to related images on oceanexplorer.noaa.gov website.
 - Daily cumulative bathymetric image overlays received via URI SRS.
 - Test new ship track KML received via URI SRS.
 - Cross train backup personnel in SOPs.
- Post-Mission:
 - Test video pipeline and the Video Metadata System (ViMS) for generation of video and image metadata in MARC for the NOAA Central Library.
 - Based on results from EX1101 testing, refine and retest bathymetric data pipeline as needed.
 - Based on results from EX1101 testing, refine and retest oceanographic data pipeline as needed.
 - Based on results from EX1101 testing, refine and retest ISO metadata transforms for cruise-level metadata.

Expedition Principals for Data Management

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