OER DATA MANAGEMENT TEAM

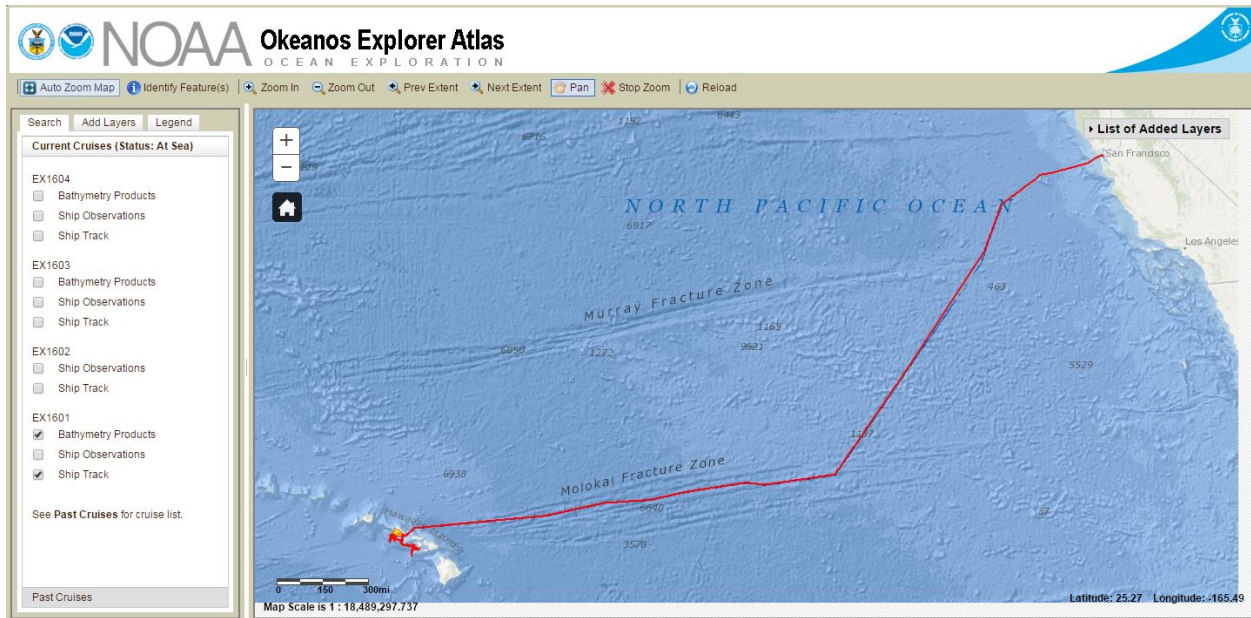# OER Data Management Team Mission Report
EX1601 (Jan 20 – Feb 7, 2016)

The EX1601 Data Management Plan described the following objectives, which were mostly met.

- *Maintain Okeanos Atlas with automated delivery of SCS data*
- *ensure delivery of operational data products in near real-time*
- *ensure integration of the new EX60 transducer datasets into shipboard systems and in data sync to shore*
- *ensure delivery of sonar data products in hourly rsync*
- *verify integration and implementation of new shipboard data warehouse and data management routines*
- *verity delivery of automated warehouse products*
- *ensure integration of ADCP data collection system into data pathways.*

During this transit cruise to Hawaii, the new KVM switch was integrated into the shipboard network. We ran into pretty significant issues as we did not have enough adapters to move all shipboard systems over. During this cruise the new NAS storage array was adapted as the active mission storage system. Cygwin rsync protocols were largely changed over to robocopy to deal with permission issues. Although the new data warehouse was installed on the ship, configuration was postponed until later in FY16 due to other time concerns associated with bringing acquisition systems online. The EVS was successfully tested. The telestream video system unfortunately is still experiencing hiccups. Although a timecode injection system was installed, it still skips frames in capture every 5 hours. Telestream support was unable to reproduce the problem using their equipment, nor able to resolve the problem on board the ship.

The mission ISO metadata record has been updated to reflect the cruise has taken place.

Data Throughput

Project Instructions Received	Data Management Plan Delivered	ISO Collection Level Metadata Published	Cruise End	Data Received	Final Data Archive Complete	Cruise End to Archive
12/18/2015	12/28/2015	3/24/2016	2/7/2016	3/17/2016	06/6/16	120 days

Data and Information Access

Oceanographic Archive	Geophysical Archive	Library Catalog	Total Archived Volume
2048 files (4.71 GB)	2051 files (89.5 GB)	5 files (.005 GB)	94.21 GB