



OER Data Management Team Mission Report EX1702 (Feb 16 – Mar 2, 2017)

The EX1702 [Project Instructions](#) described the following objectives:

- *Acquire data to support priority Monument and Sanctuaries science and management needs, including habitat surveys in recently expanded boundary areas;*
- *Identify and characterize vulnerable marine habitats - particularly potential locations for high density deep sea coral and sponge communities;*
- *Characterize seamounts within the Prime Crust Zone (PCZ). The PCZ is the area of the Pacific with the highest expected concentration of deep sea minerals, including rare metals and rare earth elements;*
- *Collect information on the geologic history of Central Pacific Seamounts, including those that are or may be relevant to our understanding of plate tectonics and subduction zone biology and geology; and*
- *Provide a foundation of publicly accessible data and information products to spur further exploration, research, and management activities.*

The onboard data management team needed to sort out collaboration tool issues involving having position and environmental data posted to navdata and chatroom.

The Telestream recording was modified to record the Cameral Platform HD camera in a lower resolution to save space. Compressed Telestream segments are now being saved in .mp4 rather than .mov.

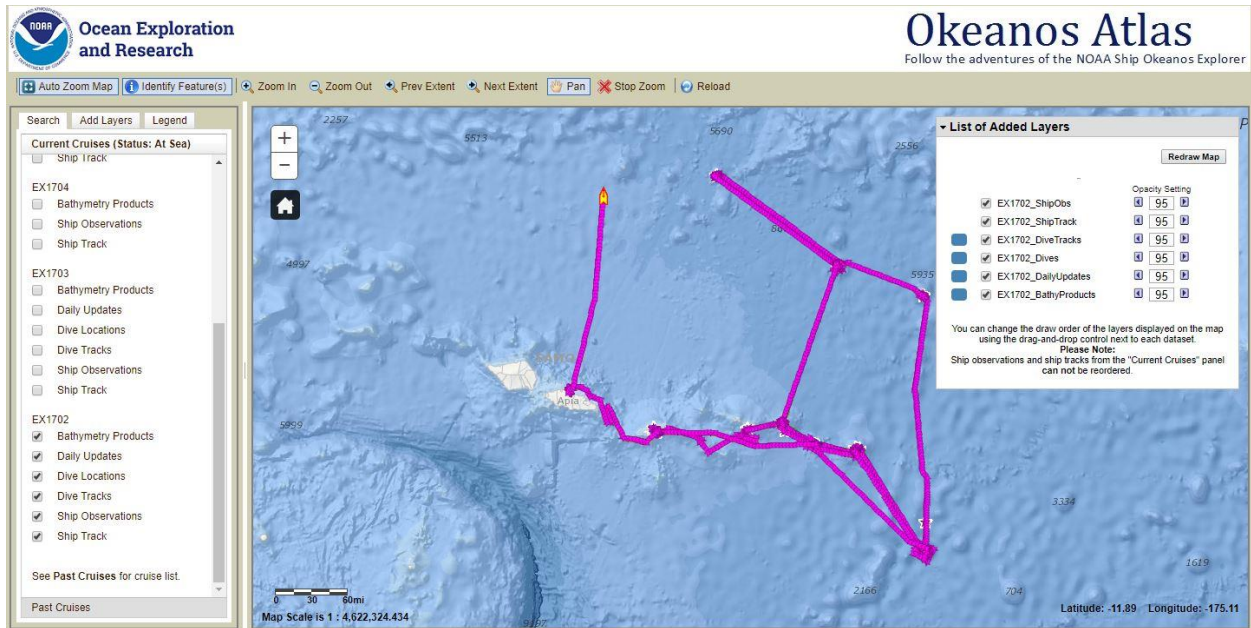
Frame extraction automation is updated and tested.

The exdata.tgfoe.org chatroom transcript automation and the SeaScribe annotation download automation were implemented.

There were a few failed video compressions per dive that the onboard data managers worked on.

Tests of Aspera to replace rsync has shown that rsync is slightly outperforming Aspera.

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
2/13/2017	2/6/2017	5/4/2017	3/2/2017	4/20/2017	6/13/17	103 days

Data and Information Access

Oceanographic Archive	Geophysical Archive	Library Catalog	Total Archived Volume
12681 files (10.5 GB)	2225 files (72.3 GB)	17 files (.02803 GB)	82.828 GB