



OER Data Management Team Mission Report EX1703 (Mar 7 – Mar 29, 2017)

The EX1703 [Project Instructions](#) described the following objectives, which were mostly met.

- *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.*
- *Test through use the latest updates to the Sampling Operations Database Application (SODA).*
- *Evaluate Aspera as a possible replacement for the Rsync routines.*
- *Work through any issues with the ONC SeaScribe system for dive annotation.*

A few kinks in the latest install of the Ocean Network Canada (ONC) SeaScribe annotation log for dives are being worked out.

Aspera is being compared to the Rsync routine for transmitting data from ship to shore. Aspera has not out performed Rsync during this mission.

The Vantage software portion of the telestream system was consistently failing to compress a few clips every dive and was eventually replaced by Media Encoder, which worked very well.

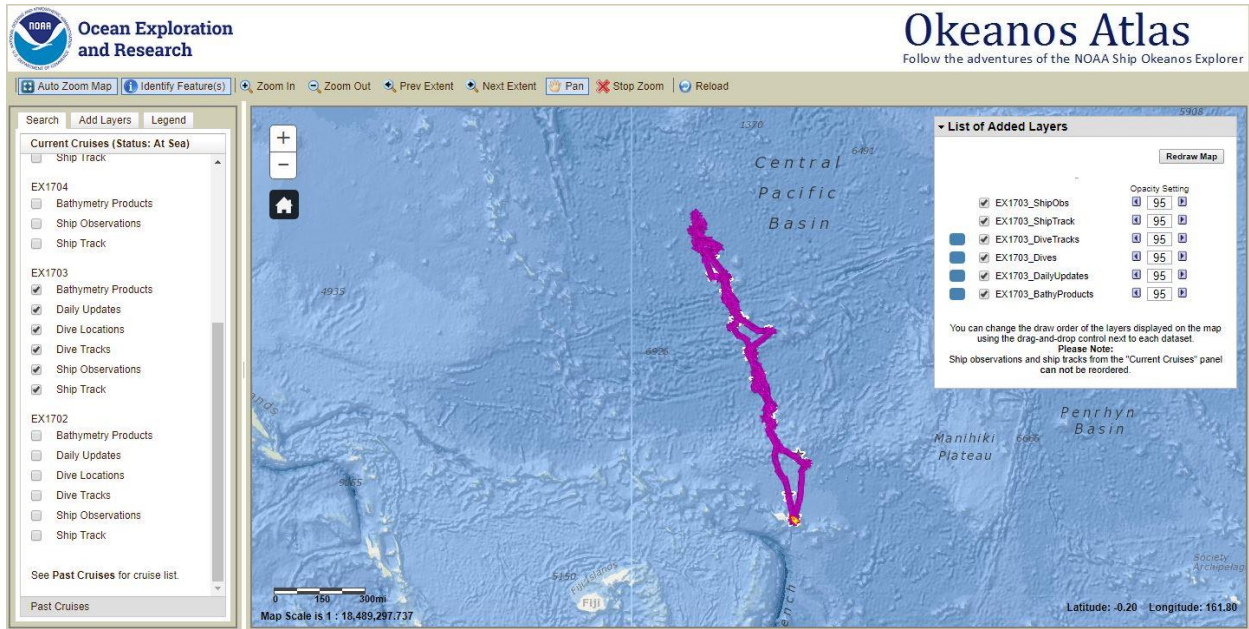
The onboard data team continues troubleshooting of a timecode disagreement between the telestream system and the EVS.

Problems with the recording of Seirios' CTD sensor values.

The onshore OER_NAS box has been installed and is ready to assume its role.

The changes necessary to support telestream mapping were tested and made ready for EX1704.

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
3/4/2017	2/23/2017	6/1/2017	3/29/2017	5/1/2017	6/13/17	76 days

Data and Information Access

Oceanographic Archive	Geophysical Archive	Library Catalog	Total Archived Volume
18621 files (18.3 GB)	2933 files (144 GB)	23 files (.061 GB)	162.361 GB