

ROV Dive Summary

EX2304, Dive 06, July 21, 2023

General Location Map

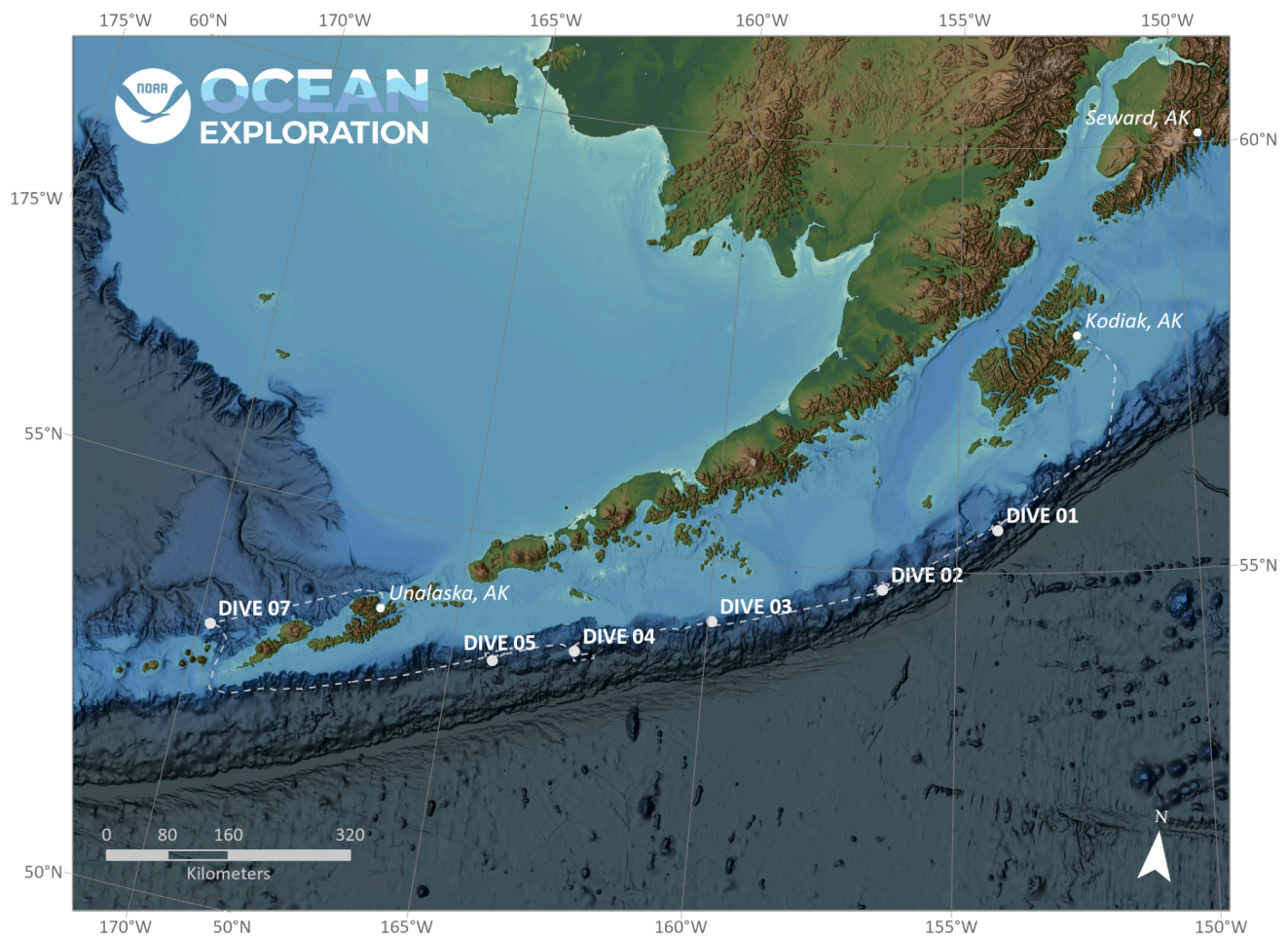


Figure 1. General location of aborted EX2304 Dive 06, collocated with and labeled Dive 07.

Dive Information

Site Name	D06 Uliaga Mound
General Area Descriptor	North of Uliaga Island
Science Team Leads	Rhian Waller (Bio); Jennifer Aschoff (Geo)
Expedition Coordinator	Shannon Hoy
ROV Dive Supervisor	Christopher Ritter
Dive Purpose	Biology, Geology, eDNA
Maritime Heritage Restrictions	No
ROV Dive Summary Data	<p>Dive Summary: EX2304_DIVE06 ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^ Dive Type: SHORTENED DIVE In Water: 2023-07-21T18:52:17.763337 53.2932315 ; -169.7754493 On Bottom: N/A N/A ; N/A Off Bottom: N/A N/A ; N/A Out Water: 2023-07-21T19:55:45.175509 53.291528 ; -169.778519 Dive Duration: 1:03:27 Bottom Time: N/A Max Vehicle Depth: N/A m Min Seafloor Depth: N/A m Distance Travelled: N/A m</p>
Dive Description	Dive was aborted at around 700 m depth to return to shore for a medical emergency. There was also no communication onshore due to a cable break onshore, therefore no onshore participants. One niskin was taken for eDNA in the deep scattering layer, and comments were added to Seatube for the water column.
Notable Observations	N/A
Community and Habitat Observations	Corals and Sponges — N/A Chemosynthetic Community — N/A High biodiversity Community — N/A Active Seep or Vent — N/A Extinct Seep or Vent — N/A Hydrates — N/A
CMECS Feature Type(s)	N/A

Equipment Deployed

ROV	<i>Deep Discoverer</i>
Camera Platform	<i>Seirios</i>
ROV Measurements	The following ROV measurements, data streams and equipment are used on each ROV deployment: CTD, depth, scanning sonar, USBL position, altitude, heading, attitude, high-resolution cameras, low resolution cameras, manipulator arms, suction sampler, sample drawers and thrusters. The following row notes if any of these sensors were malfunctioning or not operational.
Equipment Malfunctions	

ROV CTD Profile

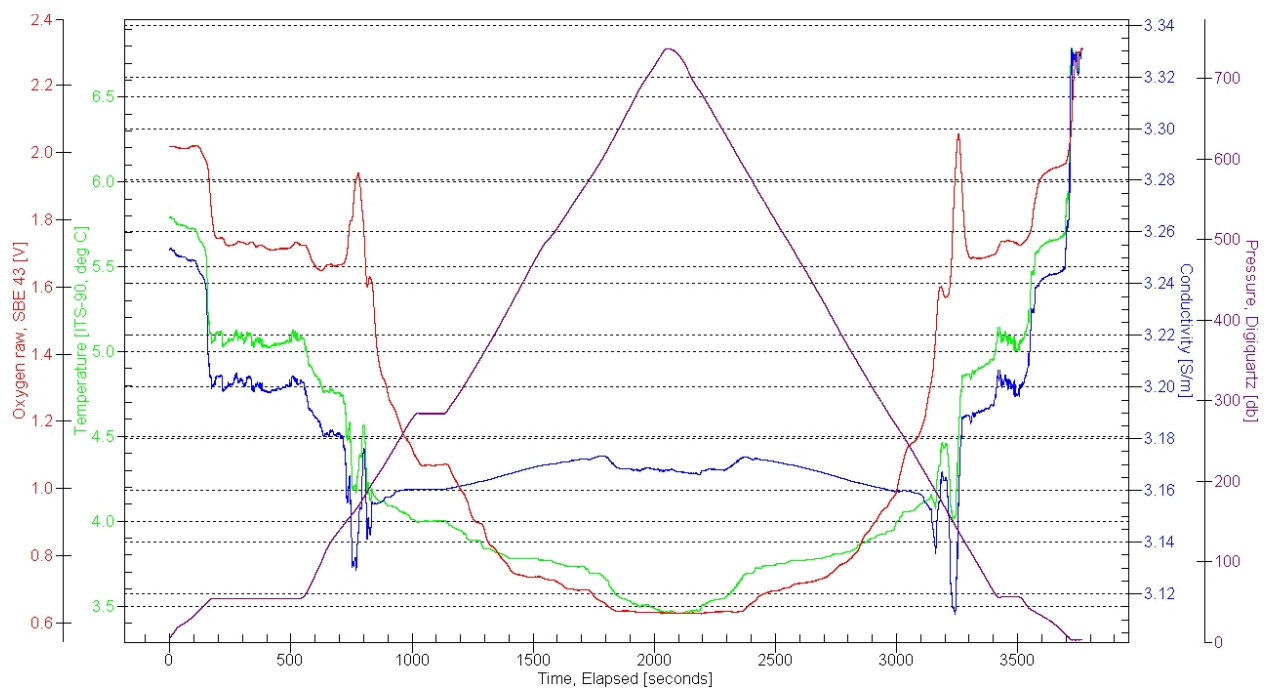


Figure 2. Plot of the ROV CTD profile, showing temperature, conductivity, pressure, and dissolved oxygen over time.

Samples Collected

Biological and geological samples were not collected.

Niskin Sampling Summary

Sample ID	EX2304_D06_01W
Date (UTC)	20230721
Time (UTC)	191140
Depth (m)	281.618011474609
Latitude (decimal degrees)	53.2930755615234
Longitude (decimal degrees)	-169.775405883789
Bottle Number	Niskin Bottle 1
Temperature (°C)	4.0019998550415
Dissolved Oxygen (mg/L)	3.15599989891052
Treatment	DNA/RNA Shield

Scientists Involved

Name	Email	Affiliation
N/A		

Direct inquiries to:

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