



August 25, 2022

MEMORANDUM FOR: CAPT Nicholas Chroback, NOAA  
Commanding Officer, Marine Operations Atlantic

FROM: CDR Colin Little  
Commanding Officer, NOAA Ship *Okeanos Explorer*

Kasey Cantwell  
Operations Chief, NOAA Ocean Exploration

SUBJECT: EX-22-05 Project Instructions Amendment: Change in DAS  
and port of call due to mechanical issue.

This memo serves as formal documentation of the change of departure port, sailing dates, and available days at sea (DAS) for EX-22-05, “Voyage to the Ridge 2 (ROV and Mapping).” EX-22-05 departed from Norfolk, Virginia and completed 22 DAS from July 9, 2022 to July 30, 2022. EX-22-05 concluded in Horta, Faial, Azores as scheduled.

The stern thruster seal on NOAA Ship *Okeanos Explorer* was discovered to be leaking prior to the start of the expedition while the ship was at port in St. John’s, Newfoundland. This mechanical issue required an emergency dry dock repair, with the nearest viable and available vendor located in Norfolk, Virginia. The transit to Norfolk, repair, and associated delays resulted in a 23 day delay to the original planned start date of the expedition and shortened the length of the overall expedition from 28 DAS to 22 DAS.

The updated ports of call and operational areas for this expedition are shown in the map below.



