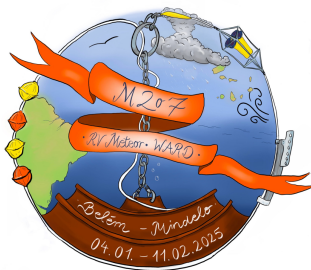


RV METEOR M207

04.01.-11.02.2025
Belém – Mindelo



1. Weekly Report 04.01. - 05.01.2025

Obstacles in the port logistics in Belém almost prevented the research vessel METEOR from setting sail on time at midday on January 4, 2025. However, thanks to the remarkable efforts of the crew and scientists, the containers were loaded using the shipboard cranes and the ship was able to set sail as planned. The scientific team on board consists of 26 people, a good half from GEOMAR - Helmholtz Centre for Ocean Research Kiel, together with scientists from the Max Planck Institute for Meteorology in Hamburg (MPI-M), the Institute for Tropospheric Research in Leipzig (TROPOS), the University of Recife (UFPE) in Brazil, NOAA/AOML in Miami, USA, the IWES Fraunhofer Institute in Bremerhaven, the University of Heidelberg, the German Weather Service (DWD) and an observer from the Brazilian Navy.

The scientific program of the cruise focuses on the western boundary current circulation off Brazil in connection with the Atlantic meridional overturning circulation (AMOC) and its connection to the equatorial current system. The work program of the cruise includes the recovery and re-deployment of a total of 6 deep-sea moorings mainly on the Brazilian shelf as well as the sampling of 3 hydrographic sections accompanied by current measurements.

A combination of oceanographic and meteorological measurements will be carried out along the planned route.

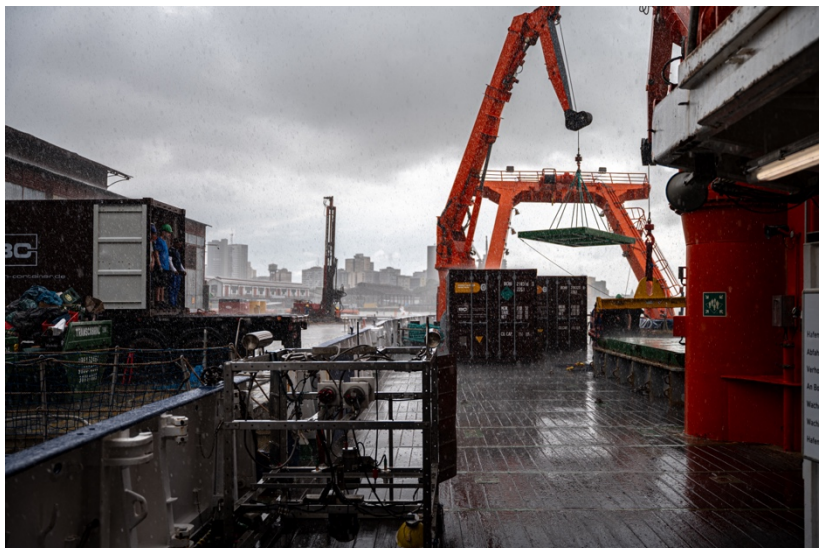


Fig.1: Left: Unloading the containers in heavy rain. Right: Departure of the METEOR from Belém. Photos: David Menzel.

After the containers with the scientific instruments had been loaded, partly in heavy rain, by the late evening of January 3, 2025, the assembly of the scientific equipment began on the morning of January 4, 2025. METEOR is currently in transit to the working area further south. The moral on board is very good and everyone is looking forward to starting their measurements soon.

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Live updates and impressions from on board can be found on the Geomar Instagram channel @geomarkiel (<https://www.instagram.com/geomarkiel/>).

Rebecca Hummels on behalf of the team of M207
(GEOMAR Helmholtz Center for Ocean Research Kiel)