

RV MARIA S. MERIAN – MSM141 “CAMPOSEIS”

07.11. - 07.12.2025, Rio de Janeiro - Rio de Janeiro, Brasilien

5th Weekly Report (01. – 07.12.2025)

This week was characterized by stable and favorable weather conditions, with air temperatures ranging from approximately 20 °C to 23 °C and wind speeds between 10 and 27 kt. Such conditions allowed for the uninterrupted continuation of scientific and operational tasks on board.

Since Sunday afternoon, 29 November, swath bathymetry data have been collected along the planned seismic profiles, with an intentional 10–20% overlap relative to previously acquired bathymetric coverage to ensure data continuity and quality control. A figure illustrating the bathymetric data collected and the transit track is presented below.

During this period, the OBS and air-gun teams have been finalizing the packing of their respective equipment containers, while the science team has focused on processing and analyzing the acquired datasets and preparing the cruise reports.

Arrival in Rio de Janeiro is scheduled for 07 December at 08:00 a.m., marking the formal completion of the cruise. All planned seismic lines were successfully completed, and all OBS instruments were recovered, except for one. The cruise objectives have thus been achieved to a very high degree of success.

Acknowledgment is extended to the science party, ship’s crew, and the captain for their professionalism, dedication, and cooperation, all of which contributed substantially to the successful execution of the cruise program.

Greetings on behalf of the cruise participants,

Prof. Dr. Marta Pérez-Gussinyé

MARUM, Universität Bremen

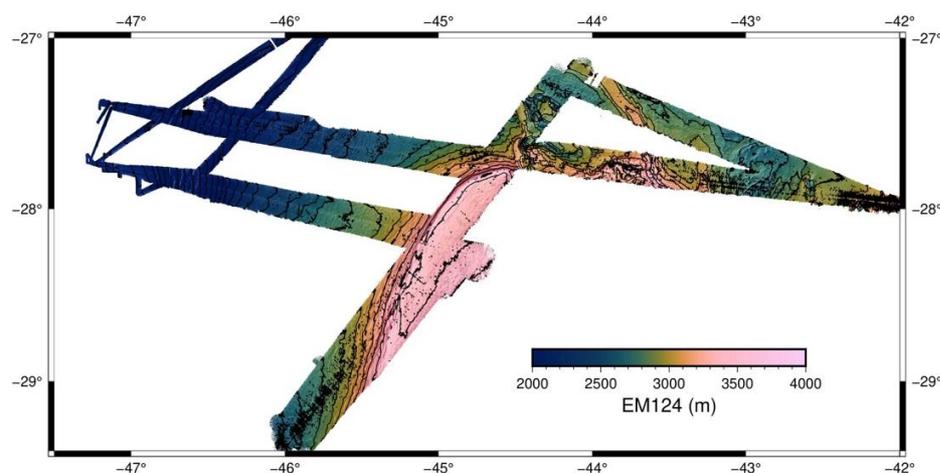


Figure 1. Unprocessed bathymetry along the seismic lines.