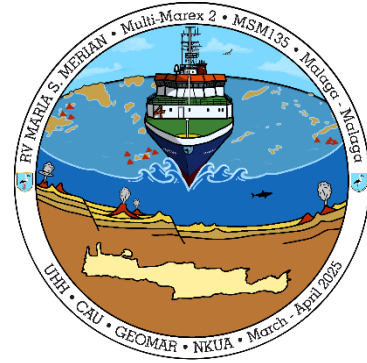
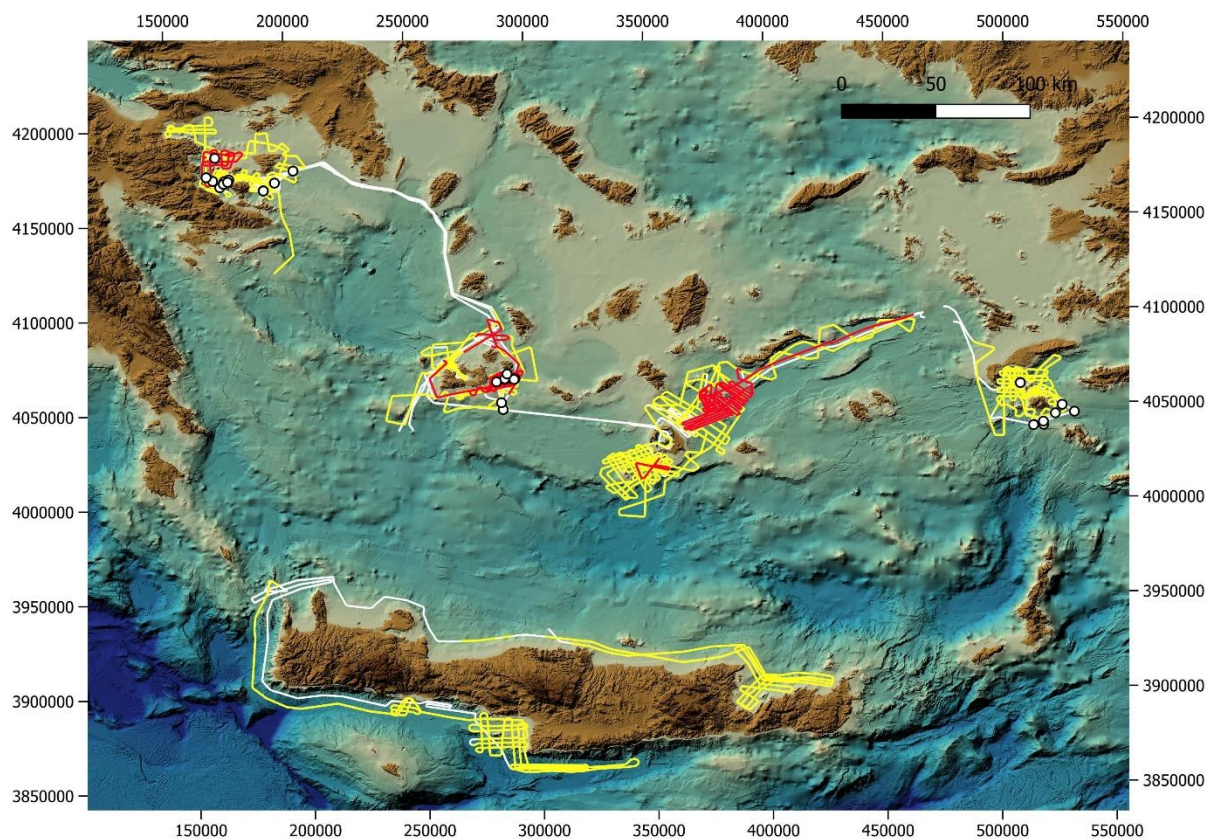


7. Weekly Report MSM135

April 14-17 2025



Upon reaching the Alborán Sea on April 14, wind and waves—and consequently the ship's movements—increased, though this did not significantly hinder the clean-up work. Just a few days earlier, the laboratories had been centers of data acquisition; now they had become writing rooms, where protocols and reports were being drafted.



MSM135 basemap: The white lines indicate the hydroacoustic profiles, the yellow lines the seismic profiles, and the red lines the magnetic profiles. The seismic and magnetic profile lines overlay the underlying hydroacoustic profiles. The white dots mark the gravity corer stations.

Expressed in numbers, the expedition can be summarized as follows: The total route to and from Málaga covered 7,727 nautical miles or 14,310 kilometers. The total length of the hydroacoustic profiles amounts to 8,356 kilometers, the seismic profiles to 4,940 kilometers, and the magnetic profiles to 1,162 kilometers. The gravity corer was deployed at 32 stations.

However, these are just numbers—while they document a complex measurement program, they do not yet reflect the scientific insights gained. We will need to wait for the further data processing, which will take place back home, before we can formulate reliable conclusions. Nonetheless, individual detailed studies already give us reason for optimism that we will be

able to significantly expand our understanding of the eruption history of the Aegean volcanic arc and of recent tectonic plate movements along the coasts of Crete.

On April 16, we docked at the pier in the port of Málaga around midday—almost a full day earlier than originally planned. Given the upcoming Easter holidays, unloading on the officially scheduled last day of the expedition would have been uncertain. Everything went smoothly, and by the afternoon, the working deck was cleared of our containers and equipment. On April 17, the main group bid farewell to Captain Maas and his crew. We would like to thank them for their outstanding and comprehensive support—we would be happy to return.

All expedition participants are in good health and are looking forward to come home.

Christian Hübscher
Chief Scientist MSM135