

POS 513 Weekly Science Report (22/05/17 to 24/05/17)

Armin Freundt and Scientific Party POS 513

The last 1.5 working days, May 22 and the morning of May 23, we tried again to recover cores from the region immediately west of Santorini where we had failed the first day. However, only 2 out of 6 trials yielded significant core recovery, mostly the coarse Minoan pumice deposit some 30-50 cm below seafloor inhibited penetration.

However, overall the expedition was very successful. We worked 61 stations from Milos to Nisyros; these include 10 mappings, 3 box corer samplings, and 49 gravity corer deployments of which 11 yielded no recovery. Considering the difficult situation close to land (within the 6 nm zone) this was a very good success rate. Most core were 3 to 5 m long, the longest reached 7.5 m. All contain several ash and/or lapilli beds, up to 8 in one core. While packing and cleaning the labs, mapping was continued during the afternoon of May 23.

With unloading all material and cores from the ship into the containers and disembarkment of the scientific team the cruise ended on May 24, after having enjoyed a very hospitable and supportive time on board the Poseidon. The work on the cores, however, will keep us all busy for a long time to come.



The scientific team of POS 513 (left to right): Nico Augustin, Armin Freundt, Boris Karatsolis, Thor Hansteen, Symeon Nasras, Carina Sievers, Jenny Brandstätter, Kai Fockenberg, Steffen Kutterolf, and Thorsten Schott.