



RV Meteor
Cruise M164 (GPF-19-1-105)
23.06.-31.07.2020
Emden – Emden



6. Weekly Report
27.07.-31.07.2020

In this sixth and last week of our cruise *M164 (GPF-19-1-105)* we performed our very last CTD station at 48°32'N, 14°57'W on Monday, July 27, 2020. This ended the station work on this cruise, and the long transit towards Emden began. After we had another wind of force 7-8 at the last two stations, our transit through the English Channel was in bright sunshine and smooth sea. Now it is time to clear the laboratories and stow the cargo back into the containers before we hand over *METEOR* to our successors tomorrow.

Overall, we received temperature, salinity, oxygen and ocean current measurements from 126 CTD stations. We will now evaluate these together with the obtained tracer measurements, the mooring and the PIES data and compare them with data from previous cruises and large-scale satellite and Argo drifter data. So the real work is just beginning.

We would like to take the opportunity to thank Captain Hammacher and his crew for the support, care and hospitality on board the *METEOR* during the cruise *M164 (GPF-19-1-105)*. We would also like to thank our colleagues at our home institutes, the Institute for Oceanography in Hamburg and the German Research Fleet Coordination Centre, without whose support during the preparation phase this cruise would not have been possible.

Best wishes on behalf of all cruise participants.

Dr. Dagmar Kieke
University of Bremen



The English Channel at calm seas in the evening sun. Photo: D. Kieke