

# SO290 Paleooceanography of the Tasman Sea



RV SONNE

SO290 – Paleooceanography of the Tasman Sea

15<sup>th</sup> April – 12<sup>th</sup> May 2022

Nouméa (New Caledonia) – Nouméa (New Caledonia)

5<sup>th</sup> Weekly Report

(9<sup>th</sup> May – 12<sup>th</sup> May 2022)

On Monday, May 9, we successfully completed our work on the northern Lord Howe Rise with one last station. Now the last remaining tasks in the laboratories had to be finished - the last

water samples had to be treated, the last sediment cores and sediment samples had to be packed and stowed into the containers. In a final meeting with all scientists, the collected data and samples were summarized once again for and by all. Once more it became clear to all what we have accomplished and achieved in the last weeks - 279 m of sediment core in total were recovered, scanned, opened, described, photographed and initially sampled, 2299 L of seawater were taken and processed, 43188 km<sup>2</sup> of the seafloor mapped and 323 slides with micro- and nannofossils were counted. We have already obtained a good overview of the recovered sediments on board - the age and composition of the sediments differ significantly in the different working areas and we are convinced that they provide an excellent basis for our further studies. In the coming years, we want to tackle our scientific questions together and further develop the collaboration with our national and international colleagues.

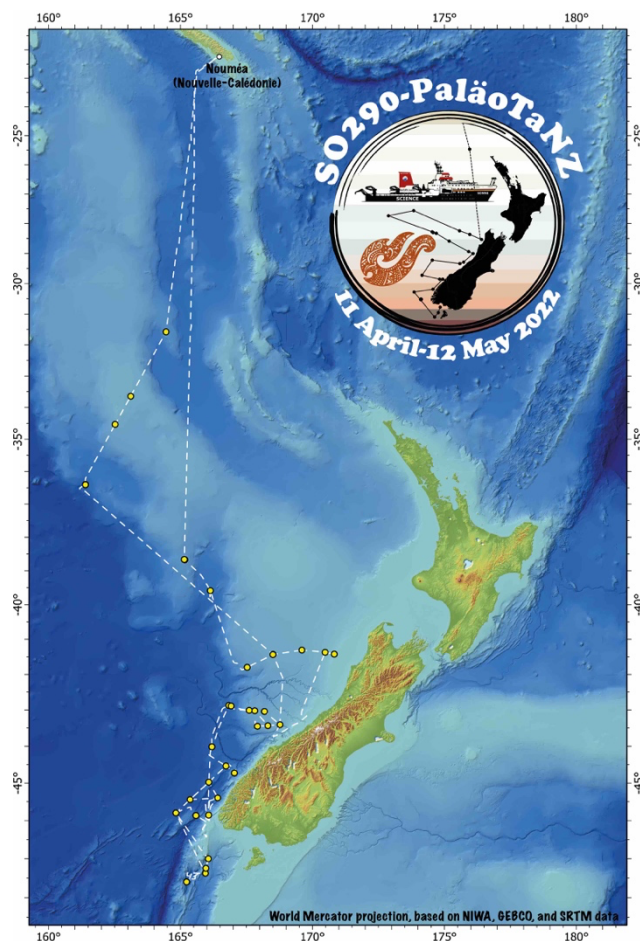
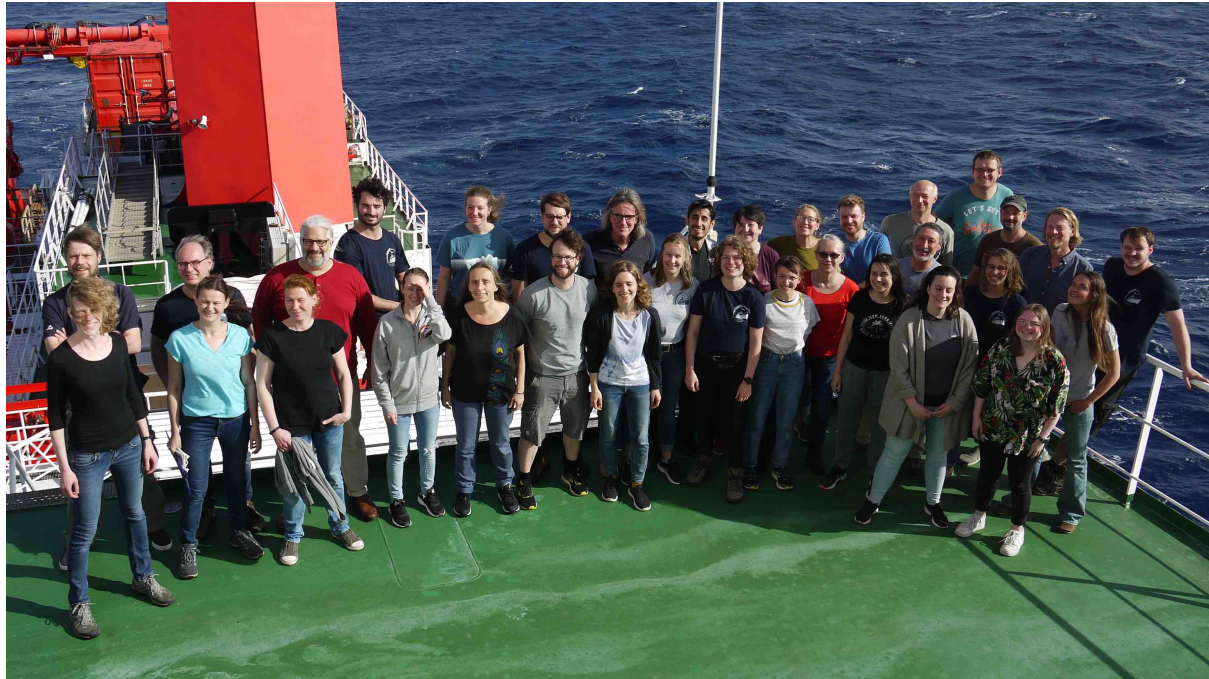


Fig. 1: Cruise track and sampling stations of SO290

At the end of our trip, a group photo was taken. On this picture (see below) at least the wind was representative of the conditions we experienced at sea over the past couple of weeks. One last encouraging statistic: the scientific crew consisted of 16 men and 18 women.

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*Fig. 2: Scientific crew of SO290*

We happily look back on just over 4 weeks of hard work, successful sampling of the water column and sediments in the Tasman Sea, and many enjoyable and eventful days together. We would like to express our sincere thanks to Captain Meyer and his crew, with special thanks to boatswain Frank and his colleagues on deck, who ensured the smooth running of our station work and thus contributed significantly to the success of the cruise!

Greetings from RV SONNE in Nouméa, New Caledonia!

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