

From: Reidar Toresen

1 HMS

Nothing observed or reported.

2 Activities and comments

We have some rough weather, so we have had some problems doing sufficiently good zooplankton samples using the multinet. However, we have used a net for phytoplankton, and a WP2 net for zooplankton, which has given data. We are now in the gyre and we see less of plankton and fish.



Doing analysis of the content of oxygen in sea water.



The net for sampling of phytoplankton. The net has a mesh size of 10 μm only.

3 Weather

Temp 25°C,
Wind: light breeze from east, cloudy
Waves 3

4 Tomorrows schedule

Steaming towards west, along the 20th degree S. Doing sampling every 150 nautical miles, Trawling for mesopelagic fish in between the ecological stations.



A mesopelagic fish, Argyropelecus aculeatus, a species we often catch during daytime at 400 m depth (size 5 cm). It doesn't seem to migrate to the upper layer during night as many other species does.

5 Prognoses

We are now entering the centre of the South Indian Ocean gyre, and it will be interesting to see how production, plankton, fish change as we move westwards.

6 Problems during field work

Some problems with the plankton sampling gear.

7 Future plans

We plan to do stations all the way to Mauritius.
