

From: Reidar Toresen

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## 1 HMS

Nothing observed or reported.

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## 2 Activities and comments

We do, so called super-stations where we collect, more or less, what we can; CTD, water-sampling for nutrients, chlorophyll, oxygen, phytoplankton and zooplankton. In addition, trawling for mesopelagic fish and plastic particles. It is very interesting to compare and see these elements together. There is not much production in this open sea, but there is some, all the way, and the areas are enormous.



*Manta-trawl for sampling of plastic particles in the surface.*



*Studying the catch of the Manta trawl. We find particles in almost all stations.*

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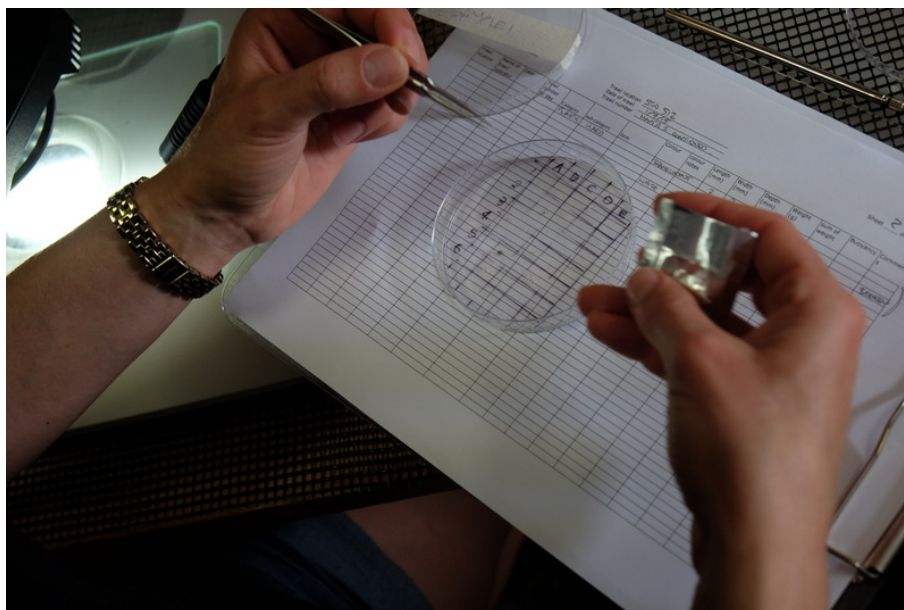
### **3 Weather**

Temp            22°C,  
Wind:           strong breeze from east, rain showers  
Waves            4

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### **4 Tomorrows schedule**

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



*Categorizing the plastic particles, by size, colour, etc.*

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## **5 Prognoses**

We are now in the centre of the South Indian Ocean gyre, we will manage to do the same level of sampling all the way to Mauritius.

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## **6 Problems during field work**

Some problems with the plankton sampling gear, especially if there is some heavy weather conditions..

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## **7 Future plans**

We plan to do stations all the way to Mauritius.

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