|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **SOOP Report for 2016** | | | | **Country =** | | South Africa | |
|  | | | | | | | | |
|  | **a.** | **Programme description:** | | | | | | |
| **Line** | | **Agency** | **Sampling programme and target mode (if applicable)** | | | | **No. of ships** |
| GoodHope – Southern Ocean | |  | XBT at 30 nm intervals | | | | SA Agulhas II |
|  | Crossroads – South Indian Ocean(Agulhas Current) | |  | XBT at 30 nm intervals | | | | SA Agulhas II |
|  | SAMBA – South Atlantic along 34.5S | |  | XBT at 30 nm intervals | | | | SA Agulhas II |
|  |  | |  |  | | | |  |
|  |  | |  |  | | | |  |
|  |  | |  |  | | | |  |
|  | |  |  | | | |  |
|  | |  |  | | | |  |
|  | |  |  | | | |  |
|  | | | | | | | | |
|  | **b.** | **Data management** | | | | | | |
|  | **Agency** | | | **No. of JJVV messages on the GTS in 2016** | | **Location of delayed-mode data** | | |
|  | NOAA-UCT OCEANOGRAPHY | | | ALL DATA TRANSMITTED VIA EMAIL | | N/A | | |
|  |  | | |  | |  | | |
|  |  | | |  | |  | | |
|  |  | | |  | |  | | |

|  |  |  |
| --- | --- | --- |
|  | **c.** | **Major challenges and difficulties:** |
|  | WORKING IN THE SOUTHERN OCEAN CONTINUES TO BE A CHALLENGE GIVEN WIND AND WAVE CONDITIONS. THE GTS SYSTEM ONBOARD IS TEMPERAMENTAL AND IT WAS DECIDED TO EMAIL ALL DATA TO NOAA FOLLOWING EACH GOODHOPE LEG. AN AUTOLAUNCHER WAS PROVIDED IN 2015 BUT GIVEN THE NUMBER OF STUDENT PARTICIPANTS AND THE LOW STERN OF THE SA AGULHAS II (WAVE ACTIVITY IS HUGE IN THIS AREA!) WE FELT THE NEED TO CONTINUE WITH MANUAL LAUNCHES. | |
|  | | |
|  | **d.** | **Research / development / testing:** |
| **XBTS USED IN SOME MSC PROJECTS**  **SEE HUTCHINSON ET AL., 2013 DEEP SEA RESEARCH *“Exposing XBT bias in the Atlantic sector of the Southern Ocean”*** | |
|  | | |
|  | **e.** | **Other comments:** |
|  | |
|  | | |