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|  | **SOOP Report for 2018** | **Country =** |  **South Africa** |  |  |
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|  | **a.** |  |  | **Programme description:** |
| **Line** | **Agency** | **XBT/XCTD/CTD/pCO2** | **Sampling mode (if applicable), eg High Density, Frequently repeated, ad hoc etc** | **No. of Ships** | **No. of Ship Riders** **(if applicable)** |
| Good Hope – Feb 2018 | NOAA/UCT | XBT | Frequently repeated | 1 |  |
|  | SAMBA | NOAA/UCT | XBT | Frequently repeated | 1 |  |
|  | Good Hope –Dec 2018 | NOAA/UCT | XBT | Frequently repeated | 1 |  |
|  | Good Hope – Jan/Feb 2018 | DEA | TSG | Frequently repeated | 1 |  |
|  | Crossroads | DEA | TSG | Frequently repeated | 1 |  |
|  | SA East Coast (IIOE2) | DEA | TSG | Ad Hoc | 1 |  |
| ASCA | DEA | TSG | Ad Hoc | 1 |  |
| SAMBA | DEA | TSG | Frequently repeated | 2 |  |
| Good Hope –Dec 2018 | DEA | TSG | Frequently repeated | 1 |  |
|  | SA West Coast (IEP) | DEA | TSG | High Density | 1 |  |
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|  | **b.** | **Data management** |
|  | **Agency** | **No. of BUFR messages sent to the GTS in 2018** | **Delayed-mode data archive location (external)** | **Originating bulletin header** |
|  | NOAA-UCT Oceanography (XBT) | All data transmitted via email | N/A |  |
|  | DEA (TSG) | Delayed mode | N/A |  |
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|  | **c.** | **Major challenges and difficulties:** |
|  | To date the GPS system (Iridium) has not been successfully configured or used on the vessel, therefore Realtime data packages cannot be sent to NOAA, all data is sent post cruise. The weather plays a crucial role in determining deployments, the aft deck has been deemed out of bounds during storms which has resulted in cancelled deployments (scientist/crew safety). Alternatively, the auto-launcher provided in 2015 could serve as a replacement for hand launcher but due to structural constraints of the vessel and glitches experienced when using the AMVERSEAS software, it is not feasible option. |
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|  | **d.** | **Research / development / testing:** |
| MSC projectsCollect and Calibrate |
|  |
|  | **e.** | **Other comments:** |
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