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|  | **VOS Report for 2016** | **Country =** | South Africa |
|  |
|  | **a.** | **Programme description:** |
| **Category** | **No. of ships at** **31 Dec 2016** | **Recruitments in 2016** | **De-recruitments****In 2016** | **Comments** |
| *Selected* | 0 |  |  |  |
| *Selected AWS* | 0 |  |  |  |
| *VOSClim* | 4 | 0 | 0 |  |
| *VOSClim AWS* | 2 |  |  |  |
| *Supplementary* | 0 |  |  |  |
| *Supplementary AWS* | 0 |  |  |  |
| *Auxiliary* | 0 |  |  |  |
| *Auxiliary AWS* | 0 |  |  |  |
| *Other* | 0 |  |  |  |
| **National VOS Total** | 6 |   |  |  |
|  |  |  |  |  |  |
|  | **National VOS Target** | 10 |  |  |  |  |
|  | **National VOSClim Target**  | 10 |  |  |  |  |
|  |  |  |  |  |  |  |
|  | **b.** | **Data management:** |
|  | *Total number of ship observations (BBXX) distributed on the GTS in 2016* | 522 |
|  | *Dates when VOS data submitted to the GCCs in 2016* | Monthly |

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| --- | --- | --- |
|  | c. | **Shipboard Automatic Weather System** |
| **Type** | **No. of ships at 31 Dec 2016** | **Manual Input****Yes / No** | **Method of Comms** | **Year1 Plans** |
| Campbell Scientific Equipment | 1 | YES | SMAI - SAT | 10 |
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|  | **d.** | **Electronic logbooks: (TurboWin, SEAS, OBSJMA)** |
| **Software & version** | **No. of ships at**  **31 Dec 2016** | Implementation plans |
| TurboWin 5.01 | 6 | Training will be provided to the crew of the 13 ships we plan to recruit. |
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| **e.** | **Standard Meteorological Equipment: (Types and Settings)** |
| **Equipment Type / Element** | **Manual Instrumentation** | **AWS Instrumentation** |
| Barometer |  | Vaisala PTB110 |
|  |  |
|  |  |
| *Default national setting* | *Station Level or Mean Sea Level* | *Mean Sea Level* |
| Barograph |  |  |
|  |  |
| *Default national setting* | *Station Level or Mean Sea Level* | *Station Level or Mean Sea Level* |
| Thermometers |  | Vaisala HMP115A-10 |
|  |  |  |
| Sea Surface Temperature |  |  |
|  |  |  |
| Wind Speed |  | Thies 4.3820.40.260 |
|  |  |  |
| Wind Direction |  | Thies 4.3820.40.260 |
|  |  |  |
|  |  |  |
|  |  |  |

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| --- | --- |
| **f.**  | **PMO ship visit activities: (if a visit is for dual purposes, include all purposes)** |
| **Activity** | **Manual Ship**  | **AWS****Ship** | **Comment** |
| Routine VOS inspections | 1 | 5 |  |
| VOS recruitment visits | 2 |  |  |
| VOS de-recruitment visits | 0 |  |  |
| VOS courtesy or foreign visits | 1 |  |  |
| *Total visits to VOS* | 9 |  |
| Routine ASAP inspections | 4 |  |  |
| ASAP recruitment visits | 0 |  |  |
| ASAP de-recruitment visits | 0 |  |  |
| ASAP courtesy visits | 0 |  |  |
| *Total visits to ASAP* | 4 |  |  |
| Routine SOOP visits | 5 |  |  |
| SOOP recruitment visits | 1 |  |  |
| SOOP de-recruitment visits | 0 |  |  |
| SOOP courtesy visits | 2 |  |  |
| *Total visits to SOOP* | 8 |  |  |
| Visits in support of DBCP (drifting buoys) | 3 |  |  |
| Visits in support of Argo (profiling floats) | 1 |  |  |
| *Total visits to other programs* | 4 |  |  |
| **Total visits by national PMOs** | 25 | *Sum of all ship visits (VOS + ASAP + SOOP) + visits to other program (DBCP + Argo)* |
|  |  |  |  |

|  |  |
| --- | --- |
| **g.** | **Major challenges and difficulties:** |
| Budget constraints for required ship equipment.Overall buy-in from certain ships. |
|  |  |
| **h.** | **Research / development / testing:** |
| Various national stakeholders deployed drifter buoys and gliders for the purpose of research. |
|  |  |
| **i.** | **Other comments** |
|  |