|  |  |  |  |
| --- | --- | --- | --- |
|  | **VOS Report for 2015** | **Country =** | **SPAIN** |
|  |
|  | **a.** | **Programme description:** |
| **Category** | **No. of ships at** **31 Dec 2015** | **Recruitments in 2015** | **De-recruitments****In 2015** | **Comments** |
| *Selected* |  |  |  |  |
| *Selected AWS* | 1 |  |  |  |
| *VOSClim* |  |  |  |  |
| *VOSClim AWS* |  |  |  |  |
| *Supplementary* |  |  |  |  |
| *Supplementary AWS* |  |  |  |  |
| *Auxiliary* |  |  |  |  |
| *Auxiliary AWS* |  |  |  |  |
| *Other* |  |  |  |  |
| **National VOS Total** | 1 |   |  |  |
|  |  |  |  |  |  |
|  | **National VOS Target** |  |  |  |  |  |
|  | **National VOSClim Target**  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | **b.** | **Data management:** |
|  | *Total number of ship observations (BBXX) distributed on the GTS in 2015* |  |
|  | *Dates when VOS data submitted to the GCCs in 2015* |  |

|  |  |  |
| --- | --- | --- |
|  | c. | **Shipboard Automatic Weather System** |
| **Type** | **No. of ships at 31 Dec 2015** | **Manual Input****Yes / No** | **Method of Comms** | **Year1 Plans** |
| Vaisala MAWS 410 | 1 | No | Inmarsat-C e-mail |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |
|  | **d.** | **Electronic logbooks: (TurboWin, SEAS, OBSJMA)** |
| **Software & version** | **No. of ships at**  **31 Dec 2015** | Implementation plans |
| Vaisala 1103 | 1 | To include BUFR message generation |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

|  |  |
| --- | --- |
| **e.** | **Standard Meteorological Equipment: (Types and Settings)** |
| **Equipment Type / Element** | **Manual Instrumentation** | **AWS Instrumentation** |
| Barometer |  | Vaisala PTB220A |
|  |  |
|  |  |
| *Default national setting* | *Station Level or Mean Sea Level* | *16.2m* |
| Barograph |  | Vaisala HMP45D |
|  |  |
| *Default national setting* | *Station Level or Mean Sea Level* | *16.0m* |
| Thermometers |  | Vaisala HMP45D |
|  |  |  |
| Sea Surface Temperature |  | Yes |
|  |  |  |
| Wind Speed |  | Vaisala WMT700 |
|  |  |  |
| Wind Direction |  | Vaisala WMT700 |
|  |  |  |
|  |  |  |
|  |  |  |

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

|  |  |
| --- | --- |
| **g.** | **Major challenges and difficulties:** |
|  |
|  |  |
| **h.** | **Research / development / testing:** |
|  |
|  |  |
| **i.** | **Other comments** |
|  |