|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **VOS Report for 2016** | | | **Country =** | | | | **Japan** | |
|  | | | | | | | | | |
|  | **a.** | **Programme description:** | | | | | | | |
| **Category** | | **No. of ships at**  **31 Dec 2016** | **Recruitments in 2016** | **De-recruitments**  **In 2016** | | **Comments** | | |
| *Selected* | | 525 |  |  | |  | | |
| *Selected AWS* | |  |  |  | |  | | |
| *VOSClim* | |  |  |  | |  | | |
| *VOSClim AWS* | | 2 |  |  | |  | | |
| *Supplementary* | | 46 |  |  | |  | | |
| *Supplementary AWS* | |  |  |  | |  | | |
| *Auxiliary* | |  |  |  | |  | | |
| *Auxiliary AWS* | |  |  |  | |  | | |
| *Other* | | 9 |  |  | | Ships make surface synoptic observations and transmit reports same as selected ships mainly in the western North Pacific(the equator-65N,100E-160W) | | |
| **National VOS Total** | | 582 |  |  | |  | | |
|  |  | |  |  |  | |  | | |
|  | **National VOS Target** | |  |  |  | |  | |  |
|  | **National VOSClim Target** | |  |  |  | |  | |  |
|  |  | |  |  |  | |  | |  |
|  | **b.** | **Data management:** | | | | | | | |
|  | *Total number of ship observations (BBXX) distributed on the GTS in 2016* | | | | | 44,691 | | | |
|  | *Dates when VOS data submitted to the GCCs in 2016* | | | | | 28 January, 20 April, 4 August and 1 November | | | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | c. | **Shipboard Automatic Weather System** | | | | | | | |
| **Type** | | | **No. of ships at 31 Dec 2016** | | **Manual Input**  **Yes / No** | **Method of Comms** | | **Year1 Plans** |
| Integrated System for Marine Meteorological Observation\*1 | | | 4 | | Yes | DCP via Himawari-8 (2)  Inmarsat-C (2) | |  |
| Weather Observation System\*2 | | | 5 | | Yes (3)  No (2) | Inmarsat-C | |  |
| SOAR\*3 (Shipboard Oceanographic and Atmospheric Radiation measurement system) | | | 1 | | Yes | Inmarsat-C | |  |
|  | | |  | |  |  | |  |
|  | | |  | |  |  | |  |
|  | | |  | |  |  | |  |
|  | *\*1 Koshin Denki Kogyo Co., Ltd. (Japan), \*2 Nippon Electric Instrument Inc. (Japan), \*3 Brookhaven National Laboratory (USA)* | | | | | | |  | |
|  | **d.** | **Electronic logbooks: (TurboWin, SEAS, OBSJMA)** | | | | | | | |
| **Software & version** | | **No. of ships at**  **31 Dec 2016** | | Implementation plans | | | | |
| OBSJMA version 1.00, 1.01, or 2.00 | | 62 | |  | | | | |
| OBSJMA version 3.00 | | 85 | |  | | | | |
| TurboWin version 5.01 | | 7 | |  | | | | |
|  | |  | |  | | | | |
|  | |  | |  | | | | |
|  | |  | |  | | | | |
|  | |  | |  | | | | |
|  | |  | |  | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **e.** | **Standard Meteorological Equipment: (Types and Settings)** | | |
| **Equipment Type / Element** | | **Manual Instrumentation** | **AWS Instrumentation** |
| Barometer | |  |  |
|  |  |
|  |  |
| *Default national setting* | | *Station Level* | *Station Level* |
| Barograph | |  |  |
|  |  |
| *Default national setting* | | *Station Level* | *Station Level* |
| Thermometers | |  |  |
|  | |  |  |
| Sea Surface Temperature | |  |  |
|  | |  |  |
| Wind Speed | |  |  |
|  | |  |  |
| Wind Direction | |  |  |
|  | |  |  |
|  | |  |  |
|  | |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **f.** | **PMO ship visit activities: (if a visit is for dual purposes, include all purposes)** | | | | |
| **Activity** | | **Manual Ship** | | **AWS**  **Ship** | **Comment** |
| Routine VOS inspections | | 133 | |  |  |
| VOS recruitment visits | |  | |  |  |
| VOS de-recruitment visits | |  | |  |  |
| VOS courtesy or foreign visits | | 1 | |  |  |
| *Total visits to VOS* | | 134 | | |  |
| Routine ASAP inspections | |  | |  |  |
| 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** | | 134 | | *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** |
|  | |