|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **VOS Report for 2016** | | | **Country =** | | | | **CHILE** | |
|  | | | | | | | | | |
|  | **.** | **Programme description:** | | | | | | | |
| **Category** | | **No. of ships at**  **31 Dec 2016** | **Recruitments in 2016** | **De-recruitments**  **In 2016** | | **Comments** | | |
| *Selected* | | 2 | 0 | 0 | | merchant vessels “Cabo Pilar” (CBPR) and “Cordillera” CECA” have not been recruited for Chile VOS | | |
| *Selected AWS* | | 0 | 0 | 0 | |  | | |
| *VOSClim* | | 0 | 0 | 0 | |  | | |
| *VOSClim AWS* | | 0 | 0 | 0 | |  | | |
| *Supplementary* | | 0 | 0 | 0 | |  | | |
| *Supplementary AWS* | | 0 | 0 | 0 | |  | | |
| *Auxiliary* | | 2 | 1 | 0 | | - recruited “Cabo de Hornos” (CCCH) scientific resarch vessel.  - navy tall ship “Esmeralda” (CCES) completed her LXI trainning cruise over the North and South Pacific Ocean.  - de-recruited navy frigate “Lynch” (CCLY), not participating on any international exercise. | | |
| *Auxiliary AWS* | | 0 | 0 | 0 | |  | | |
| *Other* | | 3 | 0 | 0 | | - transport “Aquiles” (CCAQ), icebreaker “Oscar Viel” (CCOV) and landing ship “Sgt. Aldea” (CCAL) sent some reports. | | |
| **National VOS Total** | | 6 |  |  | |  | | |
|  |  | |  |  |  | |  | | |
|  | **National VOS Target** | | 10 |  |  | |  | |  |
|  | **National VOSClim Target** | | 2 |  |  | |  | |  |
|  |  | |  |  |  | |  | |  |
|  | **b.** | **Data management:** | | | | | | | |
|  | *Total number of ship observations (BBXX) distributed on the GTS in 2016* | | | | | 685 | | | |
|  | *Dates when VOS data submitted to the GCCs in 2016* | | | | | OCT-NOV 2016 | | | |

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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** |
|  |  | | | | | |  | | |
|  | **d.** | **Electronic logbooks: (TurboWin, SEAS, OBSJMA)** | | | | | | | |
| **Software & version** | | **No. of ships at**  **31 Dec 2016** | | Implementation plans | | | | |
| TurboWin 45 | | 3 | | utilization of the program were introduced into navigation officers meteorology plan at the Naval Polytechnical Academy, for its implementation on board the navy ships | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **e.** | **Standard Meteorological Equipment: (Types and Settings)** | | |
| **Equipment Type / Element** | | **Manual Instrumentation** | **AWS Instrumentation** |
| Barometer | | Lilley et Gillie | C-5 SAM / N |
|  |  |
|  |  |
| *Default national setting* | | *Station Level or Mean Sea Level* | *Station Level or Mean Sea Level* |
| Barograph | | Barigo - Sestrel | C-5 SAM / N |
|  |  |
| *Default national setting* | | *Station Level or Mean Sea Level* | *Station Level or Mean Sea Level* |
| Thermometers | | Thiess - Zeal | C-5 SAM / N |
|  | |  |  |
| Sea Surface Temperature | |  |  |
|  | |  |  |
| Wind Speed | | Young - Vaisala | C-5 SAM / N |
|  | |  |  |
| Wind Direction | | Young - Vaisala | C-5 SAM / N |
|  | |  |  |
|  | |  |  |
|  | |  |  |

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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 | |  | |  |  |
| VOS recruitment visits | |  | |  |  |
| VOS de-recruitment visits | |  | |  |  |
| VOS courtesy or foreign visits | |  | |  |  |
| *Total visits to VOS* | |  | | |  |
| 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** | |  | | *Sum of all ship visits (VOS + ASAP + SOOP) + visits to other program (DBCP + Argo)* | |
|  | |  |  | |  |

|  |  |
| --- | --- |
| **g.** | **Major challenges and difficulties:** |
| - changes in masters and crews  - ISPS measures on port access | |
|  |  |
| **h.** | **Research / development / testing:** |
| - deployment of NOAA drifting buoys  - JCOMM surveys on board the ships | |
|  |  |
| **i.** | **Other comments** |
| - trainning on meteorology for students and fishermen, supported by university teachers | |