

VOS Report for 2014

Country =

a. Programme description:				
Category	No. of ships at 31 Dec 2014	Recruitments in 2014	De-recruitments In 2014	Comments
<i>Selected</i>	117	21	12	
<i>Selected AWS</i>	117	21	12	
<i>VOSclim</i>				
<i>VOSclim AWS</i>				
<i>Supplementary</i>				
<i>Supplementary AWS</i>				
<i>Auxiliary</i>				
<i>Auxiliary AWS</i>				
<i>Other</i>				
National VOS Total	117			

National VOS Target	125
National VOSclim Target	

b. Data management:	
<i>Total number of ship observations (BBXX) distributed on the GTS in 2014</i>	None
<i>Dates when VOS data submitted to the GCCs in 2014</i>	

e. Standard Meteorological Equipment: (Types and Settings)		
Equipment Type / Element	Manual Instrumentation	AWS Instrumentation
Barometer		
	<i>Default national setting</i>	<i>Station Level or Mean Sea Level</i>
Barograph		61202V
		Setra 278
	<i>Default national setting</i>	<i>Station Level or Mean Sea Level</i>
Thermometers		41382V
		HMP155
Sea Surface Temperature		
Wind Speed		R.M.YOUNG 05103L
Wind Direction		R.M.YOUNG 05103L

f. PMO ship visit activities: (if a visit is for dual purposes, include all purposes)			
Activity	Manual Ship	AWS Ship	Comment
Routine VOS inspections		135	Visit Ocean-going vessels Once every 3 months , in principle
VOS recruitment visits		12	Visit the shipping companies twice every year, in principle
VOS de-recruitment visits			
VOS courtesy or foreign visits		0	
<i>Total visits to VOS</i>		147	
Routine ASAP inspections			
ASAP recruitment visits			
ASAP de-recruitment visits			
ASAP courtesy visits			
<i>Total visits to ASAP</i>			
Routine SOOP visits			
SOOP recruitment visits			
SOOP de-recruitment visits			
SOOP courtesy visits			
<i>Total visits to SOOP</i>			
Visits in support of DBCP (drifting buoys)			
Visits in support of Argo (profiling floats)			

<i>Total visits to other programs</i>			
Total visits by national PMOs	147	<i>Sum of all ship visits (VOS + ASAP + SOOP) + visits to other program (DBCP + Argo)</i>	

g. Major challenges and difficulties:

It's a heavy and complicated work to replace AWS due to the incompatibility of interface and signal transmission cable. It is difficult to purchase instruments and to recruit ships due to inadequate funding to support ship observations.

The enthusiasm of the crew is not well motivated due to the lack of effective specifications and regulations, and communication and coordination among each department.

It is difficult to boarding VOS for AWS-maintainers, due to the frequently change of VOS routines and docking ports.

The voltage on fishing boat is instable, while the proper functioning of AWS is highly depending on the voltage stability.

h. Research / development / testing:

Install Automatic Meteorological Station on ships nationwide, and adopt electronic logbooks commonly used internationally.

Stimulate the enthusiasm of ship companies to participate in VOS by providing them with global and high-resolution weather information.

i. Other comments

Considering all observations data has not been shared through GTS so far, we are making greatest efforts to coordinate related departments regarding this issue.