

VOS Report for 2013

Country = 

a. Programme description:				
Category	No. of ships at 31 Dec 2013	Recruitments in 2013	De-recruitments In 2013	Comments
<i>Selected</i>	476			
<i>Selected AWS</i>				
<i>VOSclim</i>	2			
<i>VOSclim AWS</i>				
<i>Supplementary</i>	43			
<i>Supplementary AWS</i>				
<i>Auxiliary</i>				
<i>Auxiliary AWS</i>				
<i>Other</i>	12			Ships make surface synoptic observations and transmit reports same as selected ships mainly in the western North Pacific(the equator-65N,100E-160W)
<b>National VOS Total</b>	533			

<b>National VOS Target</b>	
<b>National VOSclim Target</b>	

b. Data management:	
Total number of ship observations (BBXX) distributed on the GTS in 2013	46178
Date when VOS data submitted to the GCCs in 2013	4



e. Standard Meteorological Equipment: (Types and Settings)		
Equipment Type / Element	Manual Instrumentation	AWS Instrumentation
Barometer		
	<i>Default national setting</i>	<i>Station Level</i>
Barograph		
	<i>Default national setting</i>	<i>Station Level</i>
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	106		
VOS recruitment visits			
VOS de-recruitment visits			
VOS courtesy or foreign visits	1		
<i>Total visits to VOS</i>	107		
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>			
<b>Total visits by national PMOs</b>	107		<i>Sum of all ship visits (VOS + ASAP + SOOP) + visits to other program (DBCP + Argo)</i>

**g. Major challenges and difficulties:**

JMA releases the new electronic logbook software "OBSJMA for WIN version 3.00" in February 2014. It can be operated in windows 7/8 OS and makes marine meteorological logbook on IMMT-5 format.

**h. Research / development / testing:**

**i. Other comments**