

VOS Report for 2014

Country = AUSTRALIA

a. Programme description:				
Category	No. of ships at 31 Dec 2014	Recruitments in 2014	De-recruitments In 2014	Comments
<i>Selected</i>	47	4	11	
<i>Selected AWS</i>	5		2	
<i>VOSclim</i>	6		1	
<i>VOSclim AWS</i>				
<i>Supplementary</i>				
<i>Supplementary AWS</i>				
<i>Auxiliary</i>	5			
<i>Auxiliary AWS</i>				
<i>Other</i>				
National VOS Total	63			

National VOS Target	70
National VOSclim Target	20

b. Data management:	
<i>Total number of ship observations (BBXX) distributed on the GTS in 2014</i>	46,754
<i>Dates when VOS data submitted to the GCCs in 2014</i>	4 (January, April, July, October)

c. Shipboard Automatic Weather System				
Type	No. of ships at 31 Dec 2014	Manual Input Yes / No	Method of Comms	Year1 Plans
Vaisala Milos 500	5	Yes	Inmarsat (data mode)	Nil

d. Electronic logbooks: (TurboWin, SEAS, OBSJMA)		
Software & version	No. of ships at 31 Dec 2014	Implementation plans
TurboWin 4.0	2	Upgrade to latest version as the opportunity arises
TurboWin 4.5	13	Upgrade to latest version as the opportunity arises
TurboWin 5.0	42	

e. Standard Meteorological Equipment: (Types and Settings)		
Equipment Type / Element	Manual Instrumentation	AWS Instrumentation
Barometer <i>Default national setting</i>	Vaisala PTB 330B	Vaisala PTB 220B
	Vaisala PTB 220B	
	Mechanism Ltd. Mk 2 Digital Aneroid	
	<i>Station Level</i>	<i>Station Level</i>
Barograph <i>Default national setting</i>	Marine Electronic Barograph software	None
	Short & Mason Marine Barograph OS7	
	<i>Station Level</i>	<i>Station Level</i>
Thermometers	AMA mercury in glass	Rosemount ST2401 Temperature probe
	Zeal mercury in glass	Vaisala HMP45D humidity probe
Sea Surface Temperature	Ship's own condenser intake	Hull contact sensor Seabird SBE48
	Sea bucket and thermometer	
Wind Speed	Estimated	Vaisala Cups WAA151
Wind Direction	Estimated	Vaisala Vane WAV151

f. PMO ship visit activities: (if a visit is for dual purposes, include all purposes)			
Activity	Manual Ship	AWS Ship	Comment
Routine VOS inspections	79		
VOS recruitment visits	4		
VOS de-recruitment visits	10	1	
VOS courtesy or foreign visits	2		
<i>Total visits to VOS</i>	96		
Routine ASAP inspections			
ASAP recruitment visits			
ASAP de-recruitment visits			
ASAP courtesy visits			
<i>Total visits to ASAP</i>			
Routine SOOP visits	30		
SOOP recruitment visits	2		
SOOP de-recruitment visits	1		
SOOP courtesy visits			
<i>Total visits to SOOP</i>	32		
Visits in support of DBCP (drifting buoys)	20		
Visits in support of Argo (profiling floats)			
<i>Total visits to other programs</i>	20		
Total visits by national PMOs	149		<i>Sum of all ship visits (VOS + ASAP + SOOP) + visits to other program (DBCP + Argo)</i>

g. Major challenges and difficulties:

Staff shortages following the transfer of PMO duties to the regions have considerably reduced the number of routine VOS inspections performed during 2014. The active recruitment of ships into the AVOF has been challenged by resource availability.

h. Research / development / testing:

i. Other comments