

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>	23	4	4	
<i>Selected AWS</i>	2			
<i>VOSclim</i>	1		2	
<i>VOSclim AWS</i>				
<i>Supplementary</i>	1			
<i>Supplementary AWS</i>				
<i>Auxiliary</i>	2			
<i>Auxiliary AWS</i>				
<i>Other</i>				
National VOS Total	29			

National VOS Target	30
National VOSclim Target	8

b. Data management:	
<i>Total number of ship observations (BBXX) distributed on the GTS in 2014</i>	17808
<i>Dates when VOS data submitted to the GCCs in 2014</i>	Quarterly

c. Shipboard Automatic Weather System				
Type	No. of ships at 31 Dec 2014	Manual Input Yes / No	Method of Comms	Year1 Plans
Sutron 9000 RTU	1	Yes	MTSAT	No change
mStar	1	No	UPP Cellular	No change

d. Electronic logbooks: (TurboWin, SEAS, OBSJMA)		
Software & version	No. of ships at 31 Dec 2014	Implementation plans
TurboWin 4.5	11	
TurboWin 5.0	5	
TurboWin 5.02 & 5.03	7	
		PMO upgrades all VOS ships to latest version of TurboWin when possible
		TurboWin is installed on all computer enabled NZ VOS ships
		1 ship still uses a log book to code BBXX observations.

e. Standard Meteorological Equipment: (Types and Settings)		
Equipment Type / Element	Manual Instrumentation	AWS Instrumentation
Barometer Default national setting	Aneroid	Vaisala PTB220
	Precision Aneroid	Vaisala DPA21
	Vaisala PTB220 and PTB330	
	Mean Sea Level	Mean Sea Level
Barograph Default national setting	Marine - Short and Mason	
	Mean Sea Level	Mean Sea Level
Thermometers	Mercury	Vaisala HMP45A
		YSI Thermistor
Sea Surface Temperature	Ships Instruments - Intake	
	Sea Bucket	
Wind Speed	Ships Instruments	Gill Windsonic
		Vaisala WAA151
Wind Direction	Ships Instruments	Gill Windsonic
		Vaisala 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	14	1	
VOS recruitment visits	4		
VOS de-recruitment visits	0		
VOS courtesy or foreign visits	9		
<i>Total visits to VOS</i>	28		
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)	4		
Visits in support of Argo (profiling floats)			

<i>Total visits to other programs</i>			
Total visits by national PMOs	32	<i>Sum of all ship visits (VOS + ASAP + SOOP) + visits to other program (DBCP + Argo)</i>	

g. Major challenges and difficulties:

Finding it very difficult to find suitable VOS candidates due to more short charter ships coming to New Zealand.

VOS - Ships leaving NZ route with equipment without warning.

h. Research / development / testing:

Starting to look into replacement options for mercury thermometers.

i. Other comments

International PMO support being vital for efficient NZ VOS operations.