Country =	Japan					
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Category	No. of ships at 31 Dec 2013	Recruitments in 2013	De-recruitments In 2013	Comments
Selected	476			
Selected AWS				
VOSClim	2			
VOSClim AWS				
Supplementary	43			
Supplementary AWS				
Auxiliary				
Auxiliary AWS				
Other	12			Ships make surface synoptic observations and transmit reports same as selected ships mainly in the western Nort Pacific(the equator-65N,100E-160W)
National VOS Total	533		•	

National VOS Target	
National VOSClim Target	

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

c. Shipboard Automatic Weather System					
Туре	No. of ships at 31 Dec 2013	Manual Input Yes / No	Method of Comms	2014 Plans	
Integrated System for Marine Meteorological Observation*1	6	Yes (4) No (1) Unknown (1)	DCP via the MTSAT (2) Inmarsat-C (4)		
Weather Observation System*2	5	Yes (3) No (2)	Inmarsat-C		
SOAR*3 (Shipboard Oceanographic and Atmospheric Radiation)	1	Yes	Inmarsat-C		

^{*&}lt;sup>1</sup> Koshin Denki Kogyo Co., Ltd. (Japan), *² Nippon Electric Instrument Inc. (Japan), *³ Brookhaven National Laboratory (USA)

d. Electronic logb	. Electronic logbooks: (TurboWin, SEAS, OBSJMA)				
Software & ver	sion	No. of ships at 31 Dec 2013	Implementation plans		
OBSJMA		162	OBSJMA for WIN Version 3.00 is released in February 2014		

e. Standard Meteorological Equipment: (Types and Settings)					
Equipment Type / Element	Manual Instrumentation	AWS Instrumentation			
Barometer					
Default national setting	Station Level	Station Level			
Barograph					
Default national setting	Station Level	Station Level			
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			
Total visits to VOS	10)7		
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	107	Sum of all sh	nip visits (VOS + ASAP + SOOP) + visits to other program (DBCP + Argo)	

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			