VOS Rep	ort for	2014
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Country =	Japan
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Category	No. of ships at 31 Dec 2014	Recruitments in 2014	De-recruitments In 2014	Comments
Selected	472			
Selected AWS				
VOSClim	2			
VOSClim AWS				
Supplementary	44			
Supplementary AWS				
Auxiliary				
Auxiliary AWS				
Other	12			Ships make surface synoptic observations and transmit reports same as selected ships mainly in the western North Pacific(the equator-65N,100E-160W)
National VOS Total	530		•	

National VOS Target	
National VOSClim Target	

b. Data management:	
Total number of ship observations (BBXX) distributed on the GTS in 2014	<mark>43827</mark>
Dates when VOS data submitted to the GCCs in 2014	4

c. Shipboard Automatic Weather System				
Туре	No. of ships at 31 Dec 2014	Manual Input Yes / No	Method of Comms	Year1 Plans
Integrated System for Marine Meteorological Observation*1	5	Yes (3) No (1) Unknown (1)	DCP via the MTSAT (2) Inmarsat-C (3)	
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 logbooks: (TurboWin, SEAS, OBSJMA)			
Software & version	No. of ships at 31 Dec 2014	Implementation plans	
OBSJMA version 1.00, 1.01, or 2.00	120		
OBSJMA version 3.00	51		

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	126		
VOS recruitment visits			
VOS de-recruitment visits			
VOS courtesy or foreign visits	1		
Total visits to VOS	12	27	
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	127	Sum of all sh	ip visits (VOS + ASAP + SOOP) + visits to other program (DBCP + Argo)
g. Major challenges and difficulties:			
h. Research / development / testing:			
i. Other comments			