VOS Report for 2011 Japan

a. Programme description:					
Category	No. of ships at 31 Dec 2011	Recruitments in 2011	De-recruitments In 2011	Comments	
Selected	428				
Selected AWS					
VOSClim	2				
VOSClim AWS					
Supplementary	49				
Supplementary AWS					
Auxiliary					
Auxiliary AWS					
Other	13			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	492				

National VOS Target	
National VOSClim Target	

b. Data management:			
Total number of ship observations (BBXX) distributed on the GTS in 2011	<mark>30569</mark>		
Frequency of VOS data submitted to the GCC in 2011	3		

Shipboard Automatic Weather System No. of ships at **Manual Input Method of Comms** 2012 Planned installations Type 31 Dec 2011 Yes / No Yes(4) DCP via the Integrated System for Marine Meteorological Observation*1 No(1) MTSAT(2) 6 Inmarsat-C(4) Unknown(1) Yes(3) Weather Observation System*2 Inmarsat-C 6 No(3) SOAR*3 (Shipboard Oceanographic and Yes Inmarsat-C 1 Atmospheric Radiation)

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f. Electronic logbooks: (Tu	Electronic logbooks: (TurboWin, SEAS, OBSJMA)		
Software & version	No. of ships at 31 Dec 2011	Implementation plans	
OBSJMA	141		

g.	Major challenges and difficulties:
h.	Research / development / testing:
<u> </u>	
i.	Other comments: