VOS Report for 2012

(Japan)

a. Programme description:						
Category	No. of ships at 31 Dec 2012	Recruitments in 2012	De-recruitments In 2012	Comments		
Selected	442					
Selected AWS						
VOSClim	2					
VOSClim AWS						
Supplementary	68					
Supplementary AWS						
Auxiliary						
Auxiliary AWS						
Other	14			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	526					

National VOS Target	
National VOSClim Target	

b. Data management:				
Total number of ship observations (BBXX) distributed on the GTS in 2012	34058			
Frequency of VOS data submitted to the GCC in 2012	4			

c. Shipboard Automatic Weather System							
Туре	No. of ships at 31 Dec 2012	Manual Input Yes / No	Method of Comms	2013 Planned installations			
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				

*1 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 2012	Implementation plans			
	OBSJMA	129				

e. Major challenges and difficulties:

f. Research / development / testing:

g. Other comments: