VOS Report for 2010 Japan

a. Programme description:				
Category	No. of ships at 31 Dec 2010	Recruitments in 2010	De-recruitments In 2010	Comments
Selected	384			
Selected AWS	-			
VOSClim	2			
VOSClim AWS	-			
Supplementary	70			
Supplementary AWS	-			
Auxiliary	-			
Auxiliary AWS	-			
Other	11			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	467			· · · · · · · · · · · · · · · · · · ·

National VOS Target	
National VOSClim Target	

b. Data management:	
Total number of ship observations (BBXX) distributed on the GTS in 2010	<mark>32878</mark>
Frequency of VOS data submitted to the GCC in 2010	4

c. Shipboard Automatic Weather Syste	m			
Туре	No. of ships at 31 Dec 2010	Manual Input Yes / No	Method of Comms	2011 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	6	Yes(3) No(3)	Inmarsat-C	
SOAR*3 (Shipboard Oceanographic and Atmospheric Radiation)	1	Yes	Inmarsat-C	

f. Electronic logbooks: (Tu	rboWin, SEAS, OBS	SJMA)
Software & version	No. of ships at 31 Dec 2010	Implementation plans
OBSJMA	about 100	

g.	Major challenges and difficulties:
calcu new	released the new electronic logbook software "OBSJMA ver. 2.00" in March 2009. OBSJMA ver. 2.00 can be operated in windows VISTA OS and late more accurately the sea level pressure by using in-situ air temperature and the height of barometer in ballast or at full load. Furthermore, the OBSJMA provides more information on screen to aid in the selection of correct code figures for Visibility (VV) and Height base of lowest cloud (h) the ranges and heights are at the boundaries on the level.
h.	Research / development / testing:
i.	Other comments: