

## VOS Report for 2010

## Japan

a. Programme description:				
Category	No. of ships at 31 Dec 2010	Recruitments in 2010	De-recruitments In 2010	Comments
<i>Selected</i>	384			
<i>Selected AWS</i>	-			
<i>VOSclim</i>	2			
<i>VOSclim AWS</i>	-			
<i>Supplementary</i>	70			
<i>Supplementary AWS</i>	-			
<i>Auxiliary</i>	-			
<i>Auxiliary AWS</i>	-			
<i>Other</i>	11			Ships make surface synoptic observations and transmit reports same as selected ships mainly in the western North Pacific(the equator-65N,100E-160W)
<b>National VOS Total</b>	467			

<b>National VOS Target</b>	
<b>National VOSclim Target</b>	

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



**g. Major challenges and difficulties:**

JMA 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 calculate 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 new 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) when the ranges and heights are at the boundaries on the level.

**h. Research / development / testing:**

**i. Other comments:**