a. Programme description:				
Category	No. of ships at 31 Dec 2011	Recruitments in 2011	De-recruitments In 2011	Comments
Selected	50	5	3	
Selected AWS				
VOSClim				
VOSClim AWS				
Supplementary	4			
Supplementary AWS				
Auxiliary				
Auxiliary AWS				
Other				
National VOS Total	54		•	

National VOS Target	70
National VOSClim Target	

b. Data management:		
Total number of ship observations (BBXX) distributed on the GTS in 2011	3727	
Frequency of VOS data submitted to the GCC in 2011	Quarterly	

C.	. Shipboard Automatic Weather System					
	Туре	No. of ships at 31 Dec 2011	Manual Input Yes / No	Method of Comms	2012 Planned installations	

f. Electronic logbooks: (T	Electronic logbooks: (TurboWin, SEAS, OBSJMA)		
Software & version	No. of ships at 31 Dec 2011	Implementation plans	
TurboWin 3.5	1		
TurboWin 4.5	21		

g. Major challenges and difficulties:	
Due to high workload, some ship officers are reluctant to take ship weather observations regularly.	
Due to high workload, some ship officers are reluctant to take ship weather observations regularly.	
ome shipmasters are reluctant to have electronic logbook software "TurboWin" installed on the ship computer, especially the computer at bridge.	
h. Research / development / testing:	
The development of shipboard AWS would be explored.	
i. Other comments:	
Nil	