VOS Report for 2010

Germany

a. Programme description:					
Category	No. of ships at 31 Dec 2010	Recruitments in 2010	De-recruitments In 2010	Comments	
Selected	748	55	56		
Selected AWS	17	1	1		
VOSClim	47	10			
VOSClim AWS	2				
Supplementary	2				
Supplementary AWS					
Auxiliary	25				
Auxiliary AWS					
Other					
National VOS Total	841				

National VOS Target	not specified
National VOSClim Target	not specified

b. Data management:	
Total number of ship observations (BBXX) distributed on the GTS in 2010	<mark>239.717</mark>
Frequency of VOS data submitted to the GCC in 2010	continuously

c. Shipboard Automatic Weather System					
Туре	No. of ships at 31 Dec 2010	Manual Input Yes / No	Method of Comms	2011 Planned installations	
MILOS	17	no	DCP		
Ship own data logger	2	yes	INMARSAT/Iridium		

f. Electronic logbooks: (TurboWin, SEAS, OBSJMA)			
Software & version	No. of ships at 31 Dec 2010	Implementation plans	
TurboWINxx	800	Continuously on Ship's PC	

g. Major challenges and difficulties:

Long-term strategy to replace Hg-thermometer and mechanical barometer/barograph by electronic equipment

h. Research / development / testing:

	i.	Other comments:	
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