

VOS Report for 2010

(The Netherlands)

a. Programme description:				
Category	No. of ships at 31 Dec 2010	Recruitments in 2010	De-recruitments In 2010	Comments
<i>Selected</i>	128	8	1	
<i>Selected AWS</i>	0			
<i>VOSclim</i>	44	0	4	
<i>VOSclim AWS</i>	0			
<i>Supplementary</i>	0			
<i>Supplementary AWS</i>	0			
<i>Auxiliary</i>	0			
<i>Auxiliary AWS</i>	0			
<i>Other</i>	0			
National VOS Total	172			

National VOS Target	150
National VOSclim Target	100

b. Data management:	
<i>Total number of ship observations (BBXX) distributed on the GTS in 2010</i>	76,813
<i>Frequency of VOS data submitted to the GCC in 2010</i>	~every 4 months

c. Shipboard Automatic Weather System				
Type	No. of ships at 31 Dec 2010	Manual Input Yes / No	Method of Comms	2011 Planned installations
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f. Electronic logbooks: (TurboWin, SEAS, OBSJMA)		
Software & version	No. of ships at 31 Dec 2010	Implementation plans
TurboWin 4.5	87	In 2010 many ships were provided with the latest version of TurboWin.
TurboWin 4.1	5	
TurboWin 3.03	15	
TurboWin 3.02	26	
TurboWin 3.5	5	
TurboWeb	2	TurboWeb is the latest development and it is based on an internet application. This year some more test will be run with ships that have easier access to the Internet.
Other/Unknown	32	Since TurboWin is freely downloadable software, it is not always apparent which software is used on board. This can only be established during a visit.

g. Major challenges and difficulties:

- Rationalising the fleet (de-recruiting non-cooperating ships);
- In collaboration with E-Surfmar, this year a tender for the development of a ship borne AWS will go out.

h. Research / development / testing:

- Further development of TurboWin and TurboWeb (Internet access through Javascript).

i. Other comments: