

## VOS and VOSClm Report for 2009

(Australia)

a. Programme description:		
Category	No. of ships at 31 Dec 2009	Comments
<i>Selected</i>	75	
<i>Supplementary</i>	1	
<i>Auxiliary</i>	1	
<i>Other (specify)</i>		
<b>Total National VOS Fleet</b>	77	

b. VOS:	
<i>Number of VOS vessels recruited in 2009</i>	15
<i>Number of VOS vessels de-recruited in 2009</i>	21
<i>Target number of ships in the national VOS Fleet</i>	100

c. VOSClm:	
<i>Number of VOSClm vessels at 31 December 2009</i>	9
<i>Number of VOSClm vessels recruited in 2009</i>	0
<i>Number of VOSClm de-recruitments in 2009</i>	1
<i>Number of VOSClm recruitments planned for 2010</i>	6
<i>Target number of ships to participate in VOSClm</i>	20

<b>d. Automated observing systems:</b>				
<b>Type</b>	<b>No. of ships at 31 Dec 2009</b>	<b>Manual Input Yes / No</b>	<b>Method of Comms</b>	<b>2010 Planned installations</b>
Vaisala Milos 500	8	Yes	Inmarsat	

<b>e. Data management:</b>	
<i>Total number of ship observations (BBXX) distributed on the GTS in 2009</i>	53214
<i>Number of submissions of VOS data to the GCC in 2009</i>	4 (submitted 2 Feb, 2 May, 2 Aug, 2 Nov)

<b>f. Electronic logbooks: (do not include AWS-based systems)</b>		
<b>Software &amp; version</b>	<b>No. of ships at 31 Dec 2009</b>	<b>Implementation plans</b>
TurboWin 2.12	9	
TurboWin 3.6	13	
TurboWin 4.0	36	
TurboWin 4.5	0	Installation/upgrade to the latest version (4.5) is recommended

**g. Major challenges and difficulties:**

The transient nature of shipping in the Southern Hemisphere is a major concern, resulting in fewer recruitment opportunities.

The use of non-English speaking crews further limits recruitment opportunities.

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

Seabird hull contact sensors were fitted to ships equipped with a ShipAWS as part the Australian IMOS (Integrated Marine Observing System) Project. Wireless communication is used to transmit the data from the hull contact sensor to the ShipAWS.

The Bureau contributed its TurboWin Users Guide to the latest version (4.5) of TurboWin. The Bureau also contributed to the revision of the TurboWin swell input screens.

The Bureau contributed to the testing of the electronic field books, organised by the SOT Task Team on Instrument Standards.

**i. Other comments:**