VOS and VOSClim Report for 2009   **(SOUTH AFRICA)**

a.	Programme description:	
Category	**No. of ships at 31 Dec 2009**	**Comments**
Selected	30	
Supplementary		
Auxiliary		
Other (specify)		
Total National VOS Fleet	30	

b.	VOS:
Number of VOS vessels recruited in 2009	Nil
Number of VOS vessels de-recruited in 2009	01
Target number of ships in the national VOS Fleet	40

c.	VOSClim:
Number of VOSClim vessels at 31 December 2009	1
Number of VOSClim vessels recruited in 2009	Nil
Number of VOSClim de-recruitments in 2009	Nil
Number of VOSClim recruitments planned for 2010	2
Target number of ships to participate in VOSClim	5

d.   Automated observing systems:

Type	No. of ships at 31 Dec 2009	Manual Input Yes / No	Method of Comms	2009 Planned installations
Milos 520	1	Yes	Sat-C	2 (different versions)

e.   Data management:

Total number of ship observations (BBXX) distributed on the GTS in 2009	45385
Frequency of VOS data submitted to the GCC in 2009	Monthly

f.   Electronic logbooks:

Software & version	No. of ships at 31 Dec 2009	Implementation/upgrade plans
TurboWin 4.0	14	Keep all VOS vessels updated with latest Turbowin program

g.   Major challenges and difficulties:

It is not always easy to get shipping companies to participate in the VOS program.

h.   Research / development / testing:

We have identified 2 vessels on which we plan to install AWS equipment.
These will use the iridium transmission method.
To develop software to incorporate the data into our dataflow.

i.   Other comments: