VOS Report for 2011   **(South Africa)**

a.   Programme description:

Category	No. of ships at 31 Dec 2011	Recruitments in 2011	De-recruitments In 2011	Comments
Selected	0			
Selected AWS	1			
VOSClim	15	Nil	5	
VOSClim AWS	0			We have 2 AWS stations pending installation
Supplementary	0			
Supplementary AWS	0			
Auxiliary	0			
Auxiliary AWS	0			
Other	0			
National VOS Total	15			

National VOS Target	20
National VOSClim Target	20

b.   Data management:

Total number of ship observations (BBXX) distributed on the GTS in 2011	
Frequency of VOS data submitted to the GCC in Yea0r	

c.	Shipboard Automatic Weather System			
Type	**No. of ships at 31 Dec 2011**	**Manual Input Yes / No**	**Method of Comms**	**2012 Planned installations**
Milos 520	1	Yes	Sat-C	3 different versions

f.	Electronic logbooks: (TurboWin, SEAS, OBSJMA)	
Software & version	**No. of ships at 31 Dec 2011**	**Implementation plans**
TurboWin 4.5	15	

g. Major challenges and difficulties:

Our major challenge is a shortage of Barographs, Barometers and hygrometers for the installation of newly recruited vessels. At Durban a shortage of vehicles to visit the port, and the distance from the office to the port (60km) is also a challenge.

Another challenge is also is the increasing tightening in port security, which make it extremely difficult to visit ships.

h. Research / development / testing:

Gus Mckay did three High Density XBT cruises covering the AX18 and AX08 transects .The AX180211 was conducted aboard the JPO Volans from the 9th of February until the 07th March 2011. In total 162 XBTs were deployed. The AX080711 was conducted aboard the Maersk Vilnius from Durban on the 17th of July 2011. The ship birthed at Newark on the 06th August 2011. In total 270 XBT's were deployed. AX081111 was conducted aboard the Maersk Vilnius leaving Cape Town on the 04th of November 2011 , the drops for the AX081111 commenced on the 05th. The ship birthed at Newark on the 23rd November 2011. In total 362 XBT's and 8 SVPB drifters were deployed.

i.   Other comments: