VOS and VOSClim Report for 2009   **(United States of America)**

a.	Programme description:	
Category	**No. of ships at 31 Dec 2009**	**Comments**
Selected	845	
Supplementary	287	
Auxiliary	100	
Other (specify)	15	Currently not assigned to any category
Total National VOS Fleet	1247	

b.	VOS:
Number of VOS vessels recruited in 2009	177
Number of VOS vessels de-recruited in 2009	269
Target number of ships in the national VOS Fleet	1000+

c.	VOSClim:
Number of VOSClim vessels at 31 December 2009	17
Number of VOSClim vessels recruited in 2009	0
Number of VOSClim de-recruitments in 2009	0
Number of VOSClim recruitments planned for 2010	10
Target number of ships to participate in VOSClim	50

d. Automated observing systems:				
Type	**No. of ships at 31 Dec 2009**	**Manual Input Yes / No**	**Method of Comms**	**2010 Planned installations**
NOAA SCS (Science Computing System) (Type 1)	23	N	Iridium/Email	Converting all these systems to SEAS E-Logbook for Augment capability
NOAA SCS (Science Computing System) via SEAS E- Logbook (Type 2 & 3)	2	Y	Iridium/Email	
				Start recruiting USCG & Research vessels into auto reporters
	25			

e. Data management:	
Total number of ship observations (BBXX) distributed on the GTS in 2009	370,701
Number of submissions of VOS data to the GCC in 2009	Quarterly

f. Electronic logbooks: (do not include AWS-based systems)		
Software & version	**No. of ships at 31 Dec 2009**	**Implementation plans**
Seas 8.0	158	Version dated 09/18/2008 – contains SOT5 modifications
Seas 6.57	324	Version dated 01/13/2007 – Contains Correction to Dewpoint Calculation method & encoding
SEAS but unknown version	42	Upgrade older versions to 8.0
Turbowin (unknown version)	3	
Unknown Logbook and version	720	Continue annotating true Logbook meta data into MyVOS

g.	Major challenges and difficulties:

Replacement digital barometer/graph that meets WMO-8 & NOAA requirements
- Power issues (DC or battery support)
- Calibration (adjustment) reset with loss of power

Awaiting authorization to modify electronic packages on NOAA vessels for observation automation effort
Port Security and Safety concerns
- Non availability of port safety awareness training

Collection of missing metadata
Not having true & recent International Pub47 available operationally

h.	Research / development / testing:

Continue with modifications and enhancements of MyVOS database and incorporating these changes into IVOS worldwide database
- WMO Pub47 ingest capability
- Lloyd's Ship database change automated update
- Full ad-hoc report generation capability
- https://ivos.ndbc.noaa.gov/authentication/index.php

Replacement digital barometer/graph that meets WMO-8 & NOAA requirements
Develop Port Safety Awareness training for all PMOs and other NOAA personnel

i.	Other comments:

Continue collection of ship meta data information for complete Pub47 record.