SOOP Report for 2010 **Germany**

a. Programme description:

Line	Agency	Sampling programme and target mode (if applicable)	No. of ships
AX-3	BSH	XBT on German SOOP ships, Rickmers Daian (high resolution) http://www.bsh.de/de/Meeresdaten/Beobachtungen/SOOP/index.jsp	1
AX-11	BSH	XBT on German SOOP ships, Monte Olivia (frequent repeats) http://www.bsh.de/de/Meeresdaten/Beobachtungen/SOOP/index.jsp	1
--	German Navy	XBT on Navy ships	2
North Sea and Baltic	BSH	Platform data (Marine Environmental Monitoring Network in the North Sea and Baltic)) http://www.bsh.de/de/Meeresdaten/Beobachtungen/MARNET-Messnetz/index.jsp	10 fixed stations

b. Data management

Agency	No. of JJVV messages on the GTS in 2010	Location of delayed-mode data
BSH	Includes 574 data from ships and 10257 data from platforms	local database and WODC Washington
BSH	39 JJVV messages are reported from Navy ships but are not inserted into the GTS because of time delay >30 days	Local database and DOD

c. Major challenges and difficulties:

Sampling on SOOP line AX-3 exhibited larger data gaps in the past years. Visits to the ship are infrequent and crew changes appear too often to allow a continuity of contacts. Efforts have been underway in 2011 to secure a second ship for this line to increase data coverage. The negotiations with the OOCL shipping company could be finished in 2010 and the first XBT section was sampled in 2011. During 2010 one additional realization of section AX3 has been sampled by research vessel RV Meteor.

d. Research / development / testing:

The fall rate problem remain an issue with the XBT data set. A complete reprocessing of all existing XBT data sets has been started to make sure that all data sets are consistent and contain proper codes for XBT-type and recorder type . Older XBT data from the BSH program have been made available to the international effort to calculate fall rate correction coefficients.

e. Other comments: