

SOOP Report for 2013

Country =

a. Programme description:			
Line	Agency	Sampling programme and target mode (if applicable)	No. of ships
PX40	Tohoku Univ. /NOAA AOML	HDX (normal 30nmiles spacing drops, 2 transects/year)	1
PX45	JMA	LDX (normal 60nmiles spacing drops, 2 transects/year)	2
PX46	JMA	LDX (normal 60nmiles spacing drops, 3 transects/year)	1

b. Data management		
Agency	No. of JJVV messages on the GTS in 2013	Location of delayed-mode data
Tohoku Univ./ NOAA AOML	213 (including KKYY messages)	JODC
JMA	155 (including KKYY messages)	JODC

c. Major challenges and difficulties:**d. Research / development / testing:****e. Other comments:**

In addition to the above programs, research vessels and fisheries training vessels of Japanese domestic institutes etc. carry out XBT/XCTD/CTD observations in the western Pacific and other seas and transmit the data into GTS by BATHY/TESAC messages. A total of 45 ships reported 9276 messages in 2013, including the messages along the SOOP lines.