SOOP Report for 2010 **Canada**

a. Programme description: ISDM operates the real-time component of GTSPP. All data collected from the GTS are processed at ISDM and then fowarded 3 times per week to the US NODC. They assemble the delayed mode versions of the real-time data and replace the real-time by higher resolution, higher quality delayed mode versions when available. DFO Canada also operates line sampling in waters around Canada, though these are not part of international SOOP lines. This sampling is described in the table.

Line	Agency	Sampling programme and target mode (if applicable)	No. of ships
Bonavista	DFO-Canada	Canadian Atlantic Zone Monitoring Program, research vessels – 4 times/year	3
Flemish Cap	DFO-Canada	Canadian Atlantic Zone Monitoring Program, research vessels – 4 times/year	3
Seal Island	DFO-Canada	Canadian Atlantic Zone Monitoring Program, research vessels – 4 times/year	2
South East Grand Banks	DFO-Canada	Canadian Atlantic Zone Monitoring Program, research vessels – 4 times/year	2
Halifax	DFO-Canada	Canadian Atlantic Zone Off-Shelf Monitoring Program, research vessels – 4 times/year	2
Louisbourg	DFO-Canada	Canadian Atlantic Zone Monitoring Program, research vessels – 4 times/year	1
AR7W	DFO-Canada	Canadian Labrador Sea Monitoring Program, research vessel	1
Line P	DFO-Canada	Canadian Line-P Time Series Program, research vessel	1
Brown's Bank	DFO-Canada	Canadian Atlantic Zone Monitoring Program, research vessels – 4 times/year	2
Orphan Basin/Knoll	DFO-Canada	Canada's Program on Energy Research and Development, research vessel–once/year	1

b. Data management

Agency	No. of JJVV messages on the GTS in 2010	Location of delayed-mode data
DFO-Canada (ISDM)	852 JJVV (from 2 Canadian Coast Guard / research ships and anonymous Canadian Navy ships)	ISDM, US-NODC
DFO-Canada (ISDM)	1280 KKYY (from 10 Canadian Coast Guard / research ships, 1 fishing vessel and anonymous Canadian Navy ships)	ISDM, US-NODC
DFO-Canada (ISDM)	4525 KKYY (from 145 Argo floats)	ISDM, USGODAE, IFREMER

c. Major challenges and difficulties:

Increasing data volume in other programs requires increasing efforts to visually quality control the data and report on ship performance overall

d. Research / development / testing:

e. Other comments:

Many of the BATHY reports are from the Canadian Navy ships, but the ships are not identified individually.
ISDM continues to produce monthly reports showing maps of BATHYs and TESACs collected and maps of reporting along SOOP lines.
ISDM produces a report which lists platforms who report 10% or more profiles with at least one doubtful quality data point monthly and with incorrect code format.