

## Expendable Bathythermograph (XBT) Data

### Data submitted for distribution via the GTS

	2004	2006	2007	2008	2009	2010 (September)
Australia	3047	2467	3188	515	439	266
France	1642	985	909	62	96	82
Germany	551	535	431	209	61	131
India		121	341	1		25
Japan	1110	1013	857	2325	1949	1654
ITALY/MSFPP	165	524	659	734	186	463
USA	17085	12640	11723	12458	11605	3494
Totals	23600	18285	18108	16304	14336	6115

#### GOOS XBT Strategy

The (XBT) network should place greatest emphasis on line sampling at intermediate (FRX) to high densities (HDX) and assume that the profiling float array, ARGO, will largely provide broadcast mode sampling.

#### HDX Summary

11,098 good HDX drops have been identified for 2009. A summary of the HDX program 1990-2009 can be seen at this site. See Also [http://www.aoml.noaa.gov/phod/hdenxbt/high\\_density\\_home.html](http://www.aoml.noaa.gov/phod/hdenxbt/high_density_home.html) and <http://www-hrx.ucsd.edu/index.html>

#### Additional Country information from various sources

Participation of Argentina (AX18), South Africa (AX25) and Brazil (AX97) has produced improved XBT sampling in the South Atlantic.

Chile – Has Cooperated with USA on PX81/25 and PX50 HDX program.

Germany – German data are mainly BSH. Data from MARNET coastal moorings are submitted in BATHY format and can produce as many as 1000 profiles per year. They are included in mooring summaries. AX3 and AX11 activity can be seen at:

[http://www.bsh.de/en/Marine\\_data/Observations/Observation\\_systems\\_and\\_programmes/SOOP/index.jsp](http://www.bsh.de/en/Marine_data/Observations/Observation_systems_and_programmes/SOOP/index.jsp)

Norway – Some XBT drops along its North Sea/Cape Farewell transect.

Croatia – Cooperates with Italy on an Adriatic HDX section within MSFPP.

UK – 10-15 ships, mostly research but some merchants, supplied with XBTs from UKHO. These data are not usually put on GTS. UKHO receives about 1000 obs/yr.