

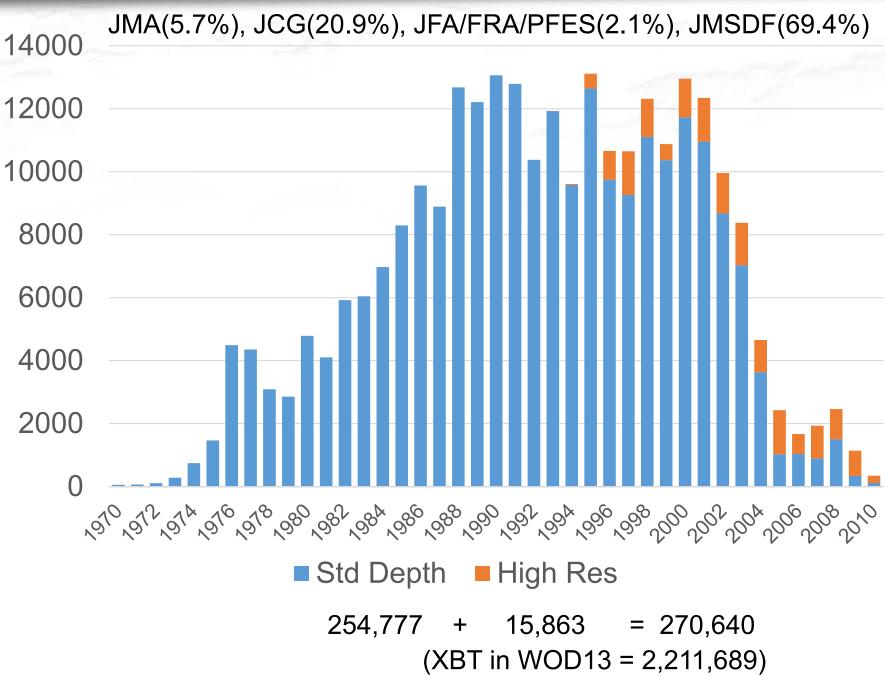
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Development Fund (2-1506) of the Ministry of the Environment, Japan.

Annual change of XBT profiles in Japan





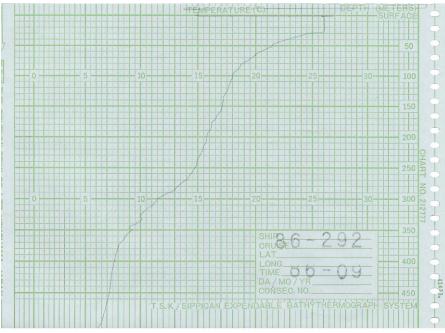
XBT chart recorder and strip chart



TSK Recorder MK-2S



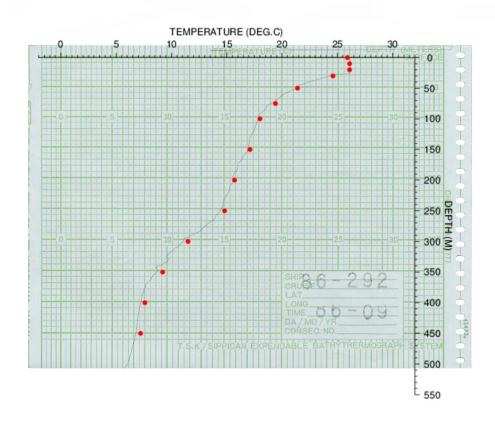
TSK/SIPPICAN XBT CHART NO.21277 (T-4/6)



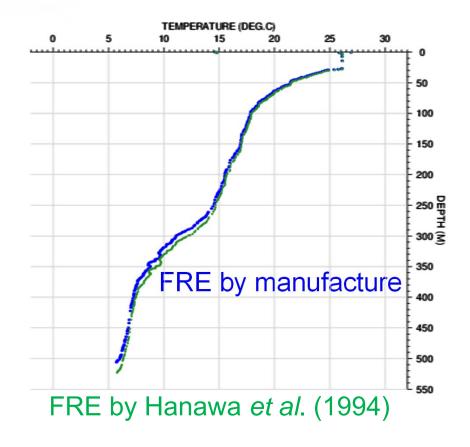
Recovery profile based on strip chart



Temperature at standard depth reading on strip chart



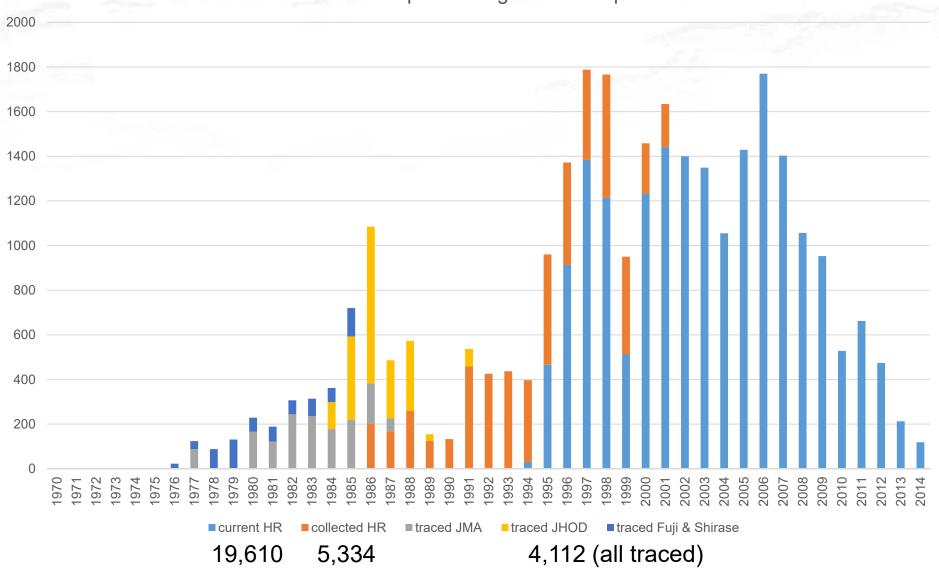
Traced profile at depth as a function of elapsed time



Prospective high resolution and continuous XBT profiles

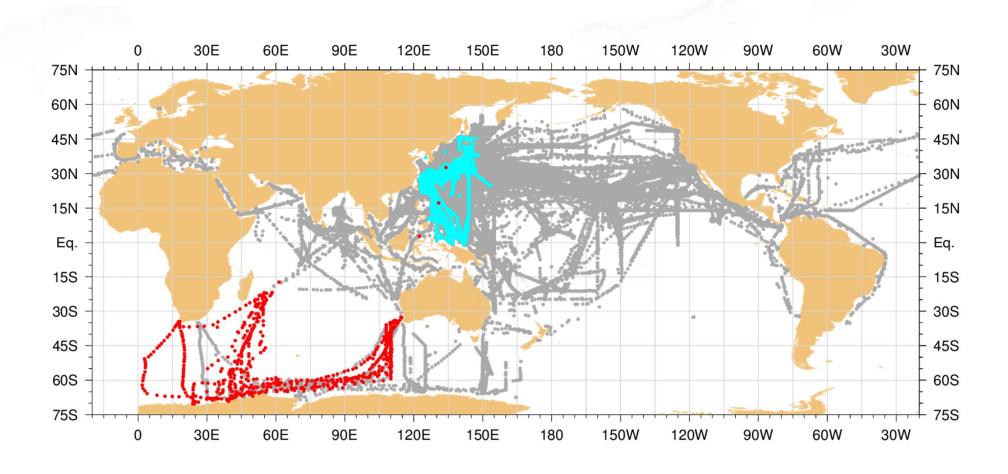






Distribution of XBT profiles





Gray: Existing profiles, Cyan: traced profiles, Red: Fuji and Shirase (first appearance)

Next steps



- Auto & Expert QC
- Complement metadata
 - Probe type (TSK T-6/5/7)
 - Recorder/Converter type
 - Strip chart No.
 - Launch height
- Identify current profiles to avoid duplication and compare with current data to estimate error/bias if exist
- Discussion: Should traced profiles replace with or merge to existing DB such as WOD, JODC/J-DOSS, or others?

