

AUV Sentry Dives 292-299

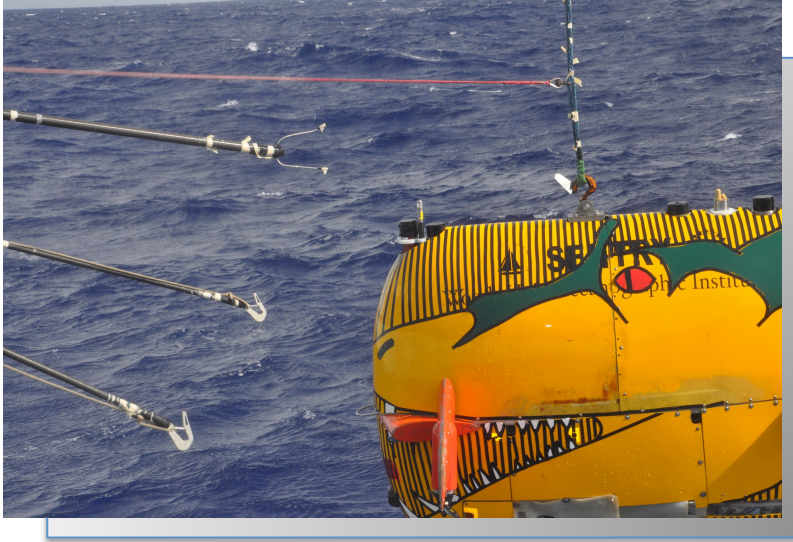
Hawaiian Jurassic Magnetic Quiet Zone

(Dec.2014-Jan.2015)



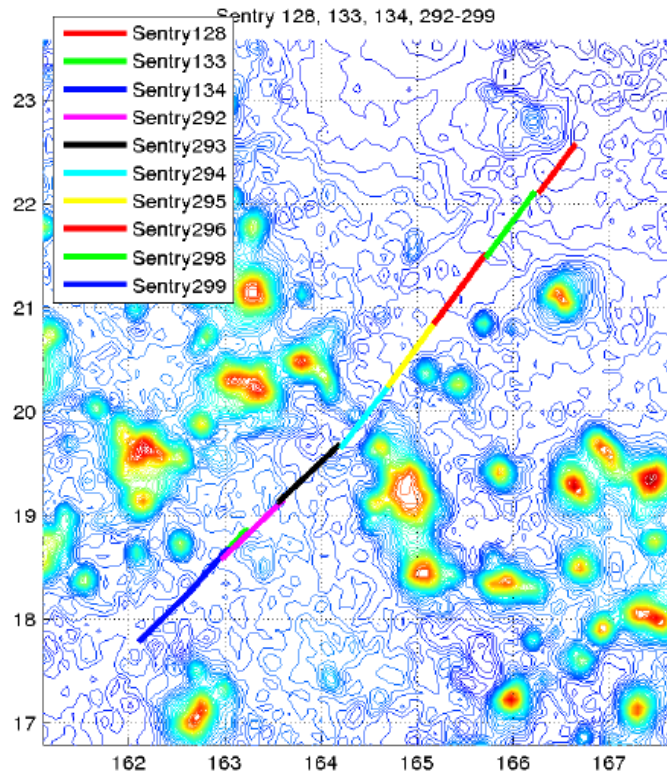
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An Epic Success (cf. 2011 Dives 127-134)



- A total of 9 dives in $\sim 5800\text{m}$ water depth.
- Average $\sim 90\text{ km/dive}$ (w/ old battery config.)
- Hydrodynamically extremely stable platform, enabling us to obtain one of the best quality near-source geophysical remote sensing data.

Data (Tuesday afternoon GP23B-1310)



(Sentry cruise report)

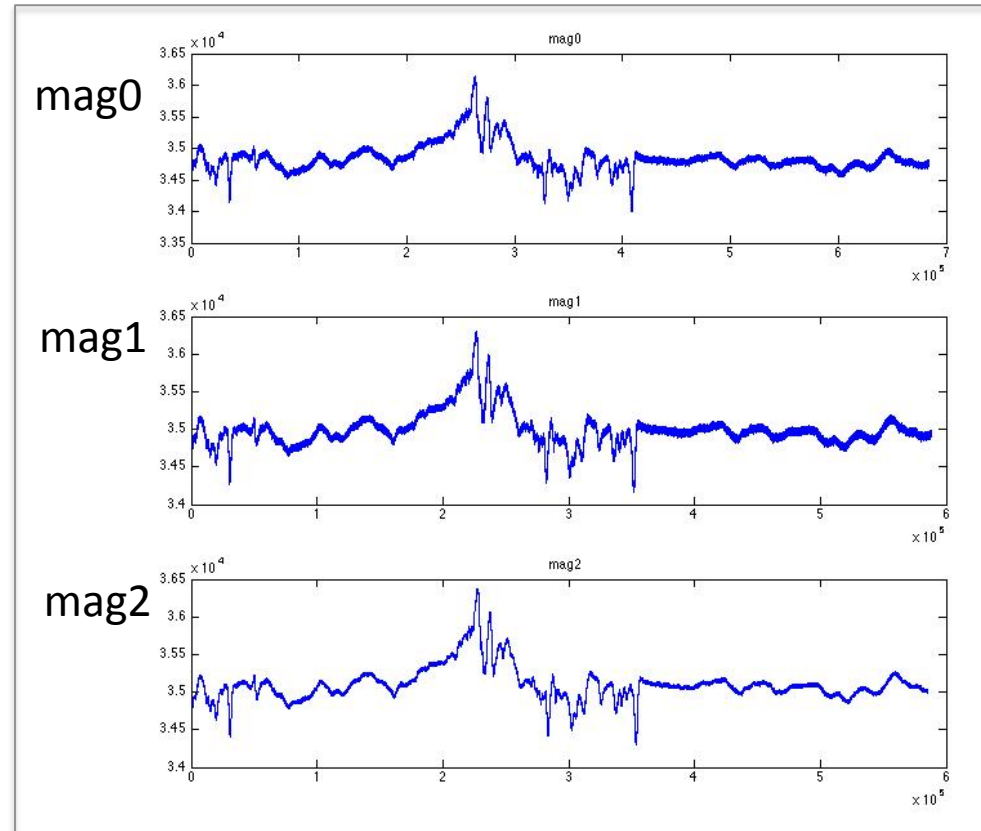


Figure 1: This plot shows tracklines from 2011 and 2014-15. Total trackline length is 700km.

Acknowledgement

- NSF, DeSSC, DeSSC Chair, NDSF, DSL, and UAF.
- Crews and Captain on Sikuliaq.
- Sentry engineers [2012-2014].



- *A total of 9 student watchstanders from 5 non-oceanographic institutions had opportunities to participate in this 42-days endeavor.*