**High-density XBT cruise AX080713 report**

**Ship : Maersk Visby**

**Call sign : 9V8827**

**Ship Rider : Alistair Blair**

**Dates XBT’s deployed :** July 10th to July 31st 2013

a) **XBTs deployed :** 530

b) **Floats deployed:** No floats were deployed.

c) **Profiling drifters deployed:** No drifters were deployed.

1. **Equipment tools and supplies needed:** insulating tape, silicone spray and new wire cutters

e) **Problems:** There were a variety of issues on this trip. Firstly either the launcher or cat5 failed or both and thus both were swapped out. From the 19th issues plagued profiles. There were gaps of 2 hours or more at times. From the 19th to the 22nd there were continuous bad drops. After changing the MK21 on the 21st the issues decreased for a day and then the auto-launcher was swapped out on the 22nd. On the 26th there were 7 hours of bad drops where the cat5 was swapped out. Then from the 29th there were continuous bad drops which were never truly sorted out as after making a new cat5 cable there was nothing else to do as the auto-launcher, MK21 and auto-launcher box had all been swapped out. Therefore there are periods throughout the 29th and 30th were there are continuous incorrect profiles.

f) **Recommendations:** I would recommend a maintenance check on the auto-launchers.

g) **Other narrative:** The Captain, officers and crew of the Visby were exceptionally hospitable whilst I was aboard.

h) **Ship contact:** Captain Kyaw Win

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