



ARK-XIV/1b processing log

a) Original data

Original Parasound data were held on tape. Copies of these tapes were available on CD-ROM (ps3-files). Some Tape directories were empty, original tapes were not checked (not found) again. All gaps together amount to about 10 hours.

b) Navigation

The navigation in the Parasound headers was interpolated PODAS navigation information (no Hydrosweep data were available, system was not running).

c) Corrections

Data volume 16.6GB

Total number of files checked	: 13538
Total number of headers checked	: 1781493
Total number of files with invalid date/time	: 106 (0.78 percent)
Total number of invalid date/time headers	: 148 (0.01 percent)
Total number of files with wrong lat/longs	: 66 (0.49 percent)
Total number of wrong lat/long headers	: 993 (0.06 percent)

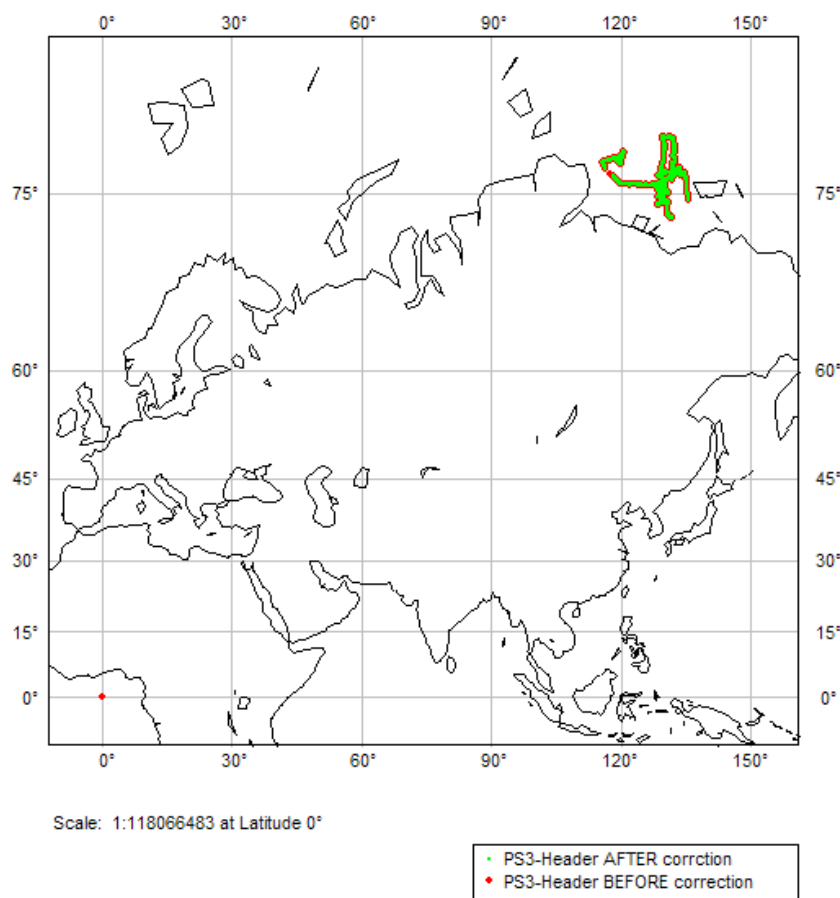


Figure 1: Map showing the full track before (red points) and after (green points) correction and interpolation of navigation data. The only wrong coordinate appears to be (0;0). No other errors before correction are observed.



d) Miscellaneous

- The campaign includes some gaps. These were partially caused by hardware problems (tape). The data gaps were also reproduced in the meta data.
- Some of the tracks (and thus, SEG-Y files) are very large (up to 6.5 GB).