**ARK-XIX/3b processing log**

**a) Original data**

Original Parasound data were held on CD-ROM.

**b) Navigation**

The navigation in the Parasound headers was interpolated using PODAS data. Due to data gaps in the PODAS data, the navigation data from 03.07.2003 00:00 – 05.07.2003 23:59 were interpolated using cleaned data from the Parasound headers.

**c) Corrections**

Data volume 2.79 GB

- Total number of files checked : 1078
- Total number of headers checked : 275555
- Total number of files with invalid date/time : 146 (13.54 percent)
- Total number of invalid date/time headers : 346 (0.13 percent)
- Total number of files with wrong lat/longs : 464 (43.04 percent)
- Total number of wrong lat/long headers : 2195 (0.80 percent)

![Map showing the full track before (red points) and after (green points) correction and interpolation of navigation data. Erroneous original data at (0°; 0°) are not shown.](image)

Figure 1: Map showing the full track before (red points) and after (green points) correction and interpolation of navigation data. Erroneous original data at (0°; 0°) are not shown.