



## ANT-XII/4 processing log

### a) Original data

Original Parasound data were held on CD-ROM (ps3-files copied from tapes). About 2GB of data were missing and had to be copied from tape again. Not all tapes were readable (esp. tape No. 21, where only one file was extracted)

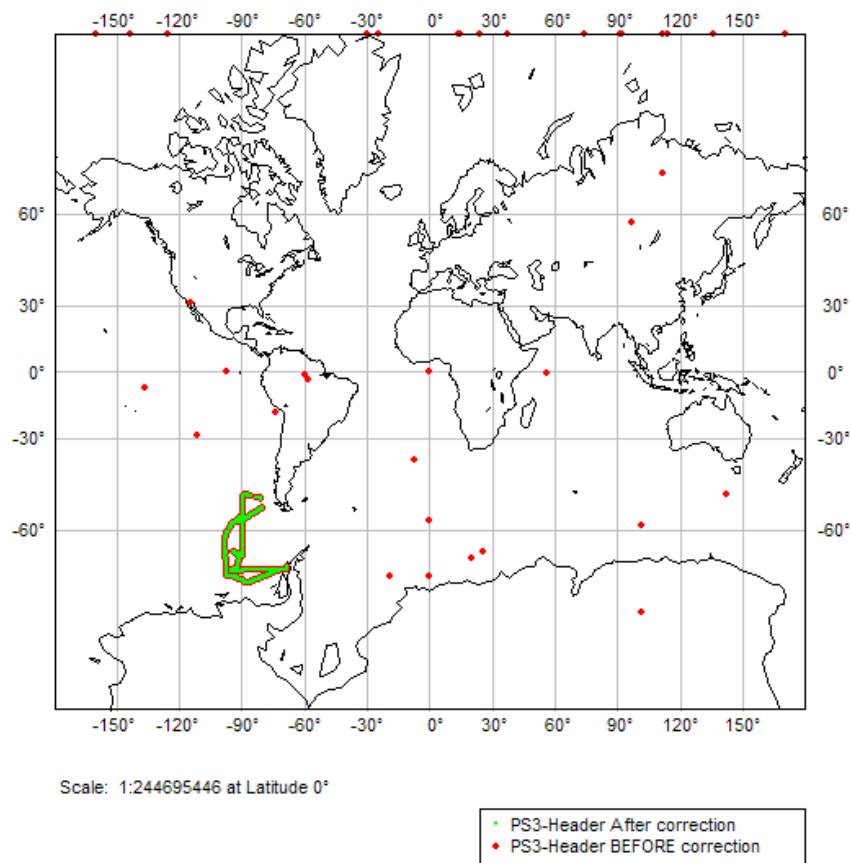
### b) Navigation

The navigation in the Parasound headers was interpolated using Hydrosweep ,nak'-files and – where no Hydrosweep information was available – PODAS navigation information. Unfortunately, two data gaps of 18 (24.03.1995 23:29 to 23:47) and 29 minutes (16.04.1995 23:09 to 23:38) had to be interpolated linearly because no navigation data were available (Hydrosweep / PODAS / Parasound).

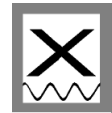
### c) Corrections

Data volume 21.5 GB

Total number of files checked	: 17700
Total number of headers checked	: 1227829
Total number of files with invalid date/time	: 1511 ( 8.54 percent )
Total number of invalid date/time headers	: 1639 ( 0.13 percent )
Total number of files with wrong lat/longs	: 48 ( 0.27 percent )
Total number of wrong lat/long headers	: 497 ( 0.04 percent )



**Figure 1: Map showing the full track before (red points) and after (green points) correction and interpolation of navigation data.**



#### **d) Miscellaneous**

- Some larger data gaps exist in this expedition. In detail, these are:

03241354	--	03241727
03251608	--	03261837
04011952	--	04020329
04051530	--	04060124
04151142	--	04160233
03232350	--	03241254