



## ANT-X/5 processing log

### a) Original data

Original Parasound data were held on CD-ROM (copied from tape). The data were almost complete (one tape missing, this was originally not readable, pers. comm. Dr. G. Kuhn). Some of the files had zero-amplitudes whilst the headers were correct. These data have been excluded from further processing.

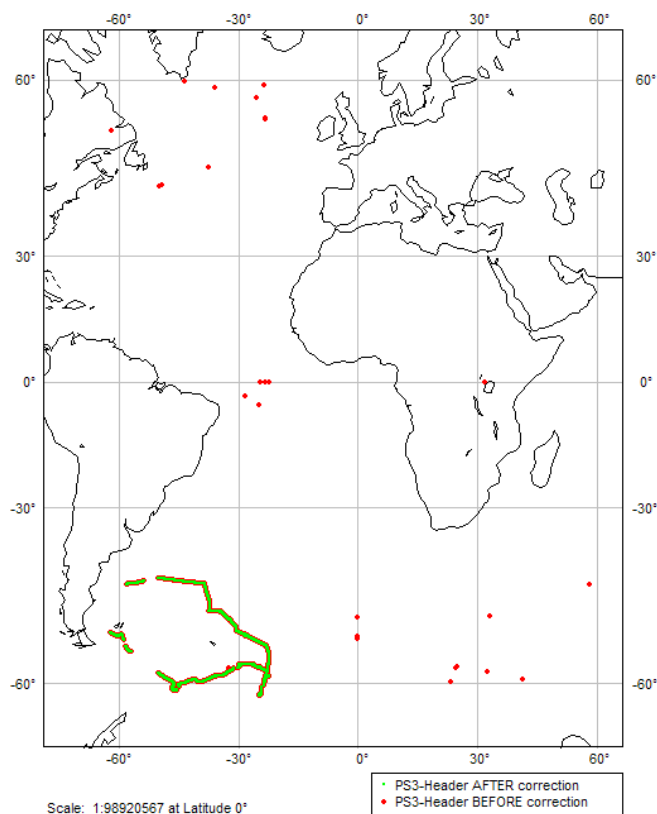
### b) Navigation

The navigation in the Parasound headers was interpolated using Hydrosweep and, where no Hydrosweep data are available, PODAS resp. Parasound data. The data set contains a systematic error (position jumps at dayshifts) which could not be corrected.

### c) Corrections

Data volume 2.5 GB

|  |                        |
|--|------------------------|
| Total number of files checked                | : 2780                 |
| Total number of headers checked              | : 167324               |
| Total number of files with invalid date/time | : 16 ( 0.58 percent )  |
| Total number of invalid date/time headers    | : 16 ( 0.01 percent )  |
| Total number of files with wrong lat/longs   | : 98 ( 3.53 percent )  |
| Total number of wrong lat/long headers       | : 205 ( 0.12 percent ) |



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



#### **d) Miscellaneous**

- The meta-information could not fully be generated from the PODAS 'System' entry because these data are only available from 1993 onwards. The respective was extracted from the Parasound-Headers. This has the following impacts:
  - o There is no NAV-Depth available (the respective column is empty).
  - o Time stamps are not equidistant and only present, where Parasound data were logged.
- Die 'Window Depth Delay' is sometimes wrong.
- The data set contains several data gaps which are listed below:

08091756 - 08100300  
08100721 - 08101720  
08102259 - 08110551  
08111207 - 08121640  
08131235 - 08131843  
08141533 - 08142025  
08142049 - 08150158  
08150610 - 08151021  
08151406 - 08152144  
08160207 - 08160632  
08160940 - 08161354  
08161634 - 08170820  
08170853 - 08171537  
08171728 - 08172340  
08180010 - 08190257  
08191153 - 08191249  
08191314 - 08191542  
08191639 - 08200301  
08200735 - 08201833  
08201928 - 08202342  
08210547 - 08211303  
08211728 - 08212120  
08220402 - 08220534  
08220858 - 08221511  
08221527 - 08221727  
08221836 - 08222235  
08230843 - 08231702  
08240902 - 08241819  
08241859 - 08250316  
08250736 - 08250952  
08251755 - 08260104  
08260133 - 08260502  
08260623 - 08260914  
08261250 - 08261950  
08270445 - 08270544  
08270839 - 08270947  
08271027 - 08271405  
08272005 - 08272152  
08272235 - 08280058  
08280200 - 08280658  
08281227 - 08281353  
08281755 - 08290653  
08290733 - 08290818  
08291057 - 08291237  
08291706 - 08291927  
08292014 - 08292102  
08292157 - 08300500  
08300753 - 08301555  
08301706 - 08302034



08310328 - 08311210  
08311728 - 09011521  
09012155 - 09020206  
09020306 - 09021052  
09022228 - 09030353  
09030816 - 09031313  
09031745 - 09032051  
09040432 - 09040623  
09041044 - 09041225  
09041324 - 09041833  
09042051 - 09050111  
09050759 - 09051331  
09051421 - 09051537  
09052131 - 09071249  
09071320 - 09071403  
09072051 - 09080546  
09080121 - 09090606  
09080637 - 09080936  
09081653 - 09081953  
09082124 - 09082219  
09091205 - 09091306  
09091427 - 09091628  
09091754 - 09092140  
09101540 - 09101614  
09101654 - 09101909  
09110733 - 09111135  
09111508 - 09111551  
09111709 - 09111809  
09120133 - 09120447  
09120553 - 09120733  
09120813 - 09120915  
09120945 - 09121035  
09121205 - 09121359  
09121439 - 09121557  
09121759 - 09121929  
09122209 - 09130218  
09130642 - 09130822  
09131257 - 09131448  
09131719 - 09131916  
09140242 - 09141146  
09142139 - 09150235  
09150326 - 09152059  
09160906 - 09161245  
09161416 - 09161913  
09162222 - 09170336  
09170708 - 09171024  
09171423 - 09171731  
09172227 - 09210151  
09210223 - 09210427  
09210708 - 09211332  
09211534 - 09211837  
09211918 - 09212334  
09220011 - 09220408  
09220548 - 09221500  
09221621 - 09221656  
09221726 - 09221943  
09222045 - 09230331  
09230553 - 09230714  
09230835 - 09230921