



ARK-XXII/1 processing log Sediment echosounder data (Atlas Parasound)

a) Original data

The original Atlas Parasound data (ASD-files) was held on LTO tape. Only the SLF (secondary low frequency) data was used for processing.

b) Navigation

The file headers of Atlas Parasound PS3-files contain the original navigation recorded at expedition time. No further processing was made. The data source of the navigation data is the TRIMBLE MS750 GPS system (position) and the MINS ringlaser gyro (speed, heading).

c) Processing

Using the software Atlas Parastore the original ASD-files were converted to the formats PS3 and SGY. The PS3- and SGY-files were assigned to five individual surveys and sorted to accordant directories. The PS3- and SGY-files are published as TAR archives of each survey.

d) Data visualization with SeNT

The SeNT (Se suite for Windows NT) program (Universität Bremen, Hanno Keil) was used to create plots of the Parasound data in PS3-Format. The SeNT program executable version used is 2.02 of 21/09/2005.

The Atlas Parasound data of each profile was plotted by distance. These plots were saved as GIF image files. If a track profile is too long the plot is divided into several GIF files.