



ARK-XVIII/2 processing log

a) Original data

Original Parasound data were held on hard disk drive. A file structure of several "CDXX" directories was given which contained pre-sorted folders for track/seismic profile, corrupt and zero data PS3 files.

b) Processing

- Sorting:
The pre-sorted PS3 data directories with given track or seismic profile names were used as the basis for creating TAR archives.
- Meta navigation table for PANGAEA:
A navigation table was created using a 10 minute interval navigation extracted from the DShip 10-minute-database (dship.awi.de). All TAR archives were referenced to the navigation table accordingly.

Some PS3 files contain wrong date/time headers and wrong latitude/longitude values. Their correction was not covered by this processing.

c) Statistics

Data volume: 14 GB
Total number of files checked: 5897
Total number of headers checked: 1055926
Total number of files with invalid date/time: 71 (1.20 percent)
Total number of invalid date/time headers: 179 (0.02 percent)
Total number of files with wrong lat/long: 2133 (36.17 percent)
Total number of wrong lat/long headers: 18894 (1.79 percent)

d) Profiles

PS3 files are sorted based on the following profile/track table given in the original data:

Start		End		Profile name
Date	Time	Date	Time	
30.08.2002	05:53	30.08.2002	09:08	Track 001
30.08.2002	09:18	30.08.2002	22:44	Seismic profile 20020300a
30.08.2002	22:52	31.08.2002	11:20	Seismic profile 20020300b
31.08.2002	11:29	31.08.2002	20:33	Seismic profile 20020300c
31.08.2002	20:43	01.09.2002	05:46	Seismic profile 20020310
01.09.2002	05:55	01.09.2002	15:03	Seismic profile 20020320
01.09.2002	15:13	01.09.2002	15:50	Track 002
02.09.2002	13:25	03.09.2002	05:55	Track 003
03.09.2002	12:30	03.09.2002	13:37	Track 004
03.09.2002	13:42	03.09.2002	21:10	Seismic profile 20020330
03.09.2002	21:31	04.09.2002	14:51	Seismic profile 20020340
04.09.2002	14:56	04.09.2002	17:15	Seismic profile 20020345
04.09.2002	17:20	05.09.2002	12:28	Seismic profile 20020350
05.09.2002	12:34	05.09.2002	15:47	Track 005
05.09.2002	19:56	05.09.2002	22:43	Track 006
05.09.2002	22:48	06.09.2002	07:24	Seismic profile 20020355
06.09.2002	07:39	06.09.2002	10:15	Seismic profile 20020360
06.09.2002	10:19	06.09.2002	20:04	Seismic profile 20020365
06.09.2002	20:09	06.09.2002	21:35	Seismic profile 20020370
06.09.2002	21:40	07.09.2002	05:22	Seismic profile 20020375
07.09.2002	05:26	07.09.2002	07:31	Seismic profile 20020380
07.09.2002	07:36	07.09.2002	13:45	Seismic profile 20020385
07.09.2002	13:50	07.09.2002	19:46	Seismic profile 20020386
07.09.2002	19:51	08.09.2002	02:21	Seismic profile 20020387



08.09.2002	02:31	08.09.2002	08:46	Seismic profile 20020388
08.09.2002	08:53	08.09.2002	18:18	Seismic profile 20020390
08.09.2002	18:28	09.09.2002	03:50	Track 007
10.09.2002	18:48	10.09.2002	19:20	Track 008
10.09.2002	19:25	11.09.2002	04:26	Seismic profile 20020400
11.09.2002	04:31	11.09.2002	07:32	Seismic profile 20020405
11.09.2002	07:37	11.09.2002	09:53	Seismic profile 20020410
11.09.2002	09:58	11.09.2002	17:27	Seismic profile 20020415
11.09.2002	17:32	11.09.2002	19:48	Seismic profile 20020420
11.09.2002	19:53	12.09.2002	00:15	Seismic profile 20020425
12.09.2002	00:20	12.09.2002	02:17	Seismic profile 20020430
12.09.2002	02:23	12.09.2002	09:36	Seismic profile 20020435
12.09.2002	09:41	12.09.2002	22:48	Track 009
12.09.2002	22:53	13.09.2002	06:02	Seismic profile 20020440
13.09.2002	06:07	13.09.2002	11:28	Track 010
13.09.2002	11:33	13.09.2002	18:03	Seismic profile 20020445
13.09.2002	18:08	13.09.2002	21:39	Track 011
13.09.2002	23:59	14.09.2002	06:31	Track 012
14.09.2002	06:36	15.09.2002	07:26	Seismic profile 20020500
15.09.2002	07:36	15.09.2002	11:47	Seismic profile 20020501
15.09.2002	11:52	15.09.2002	20:20	Seismic profile 20020505
15.09.2002	20:25	15.09.2002	23:53	Seismic profile 20020510
15.09.2002	23:58	16.09.2002	12:28	Seismic profile 20020515
16.09.2002	12:43	16.09.2002	16:19	Seismic profile 20020520
16.09.2002	16:24	17.09.2002	05:57	Seismic profile 20020525
17.09.2002	06:02	17.09.2002	14:00	Seismic profile 20020530
17.09.2002	14:05	17.09.2002	20:28	Track 013
17.09.2002	20:33	18.09.2002	11:23	Seismic profile 20020540
18.09.2002	11:28	18.09.2002	14:50	Seismic profile 20020545
18.09.2002	14:55	18.09.2002	21:38	Seismic profile 20020550
18.09.2002	21:43	19.09.2002	01:26	Seismic profile 20020560
19.09.2002	01:31	19.09.2002	15:31	Seismic profile 20020565
19.09.2002	15:36	19.09.2002	19:27	Seismic profile 20020570
19.09.2002	19:32	20.09.2002	10:20	Seismic profile 20020575
20.09.2002	10:30	20.09.2002	12:20	Seismic profile 20020580
20.09.2002	12:30	21.09.2002	01:20	Seismic profile 20020585
21.09.2002	01:30	21.09.2002	06:34	Seismic profile 20020590
21.09.2002	06:44	21.09.2002	16:26	Seismic profile 20020595
23.09.2002	06:10	24.09.2002	02:50	Seismic profile 20020600
24.09.2002	03:00	24.09.2002	05:29	Seismic profile 20020605
24.09.2002	05:38	25.09.2002	04:50	Seismic profile 20020610
25.09.2002	05:00	25.09.2002	08:20	Seismic profile 20020615
25.09.2002	08:30	26.09.2002	04:16	Seismic profile 20020620
26.09.2002	04:25	26.09.2002	08:25	Seismic profile 20020625
26.09.2002	08:34	27.09.2002	01:28	Seismic profile 20020630
27.09.2002	01:38	27.09.2002	05:30	Seismic profile 20020640
27.09.2002	05:39	27.09.2002	21:52	Seismic profile 20020645
27.09.2002	22:00	28.09.2002	01:35	Seismic profile 20020650
28.09.2002	01:47	28.09.2002	16:28	Seismic profile 20020655
28.09.2002	16:37	28.09.2002	19:52	Seismic profile 20020660
28.09.2002	20:12	29.09.2002	11:11	Seismic profile 20020665
29.09.2002	11:21	29.09.2002	14:25	Seismic profile 20020670
29.09.2002	14:33	30.09.2002	06:05	Seismic profile 20020675
30.09.2002	06:15	30.09.2002	15:49	Track 014
03.10.2002	12:28	04.10.2002	15:03	Seismic profile 20020700a
04.10.2002	15:13	05.10.2002	07:29	Seismic profile 20020700b



e) *Navigation overview*

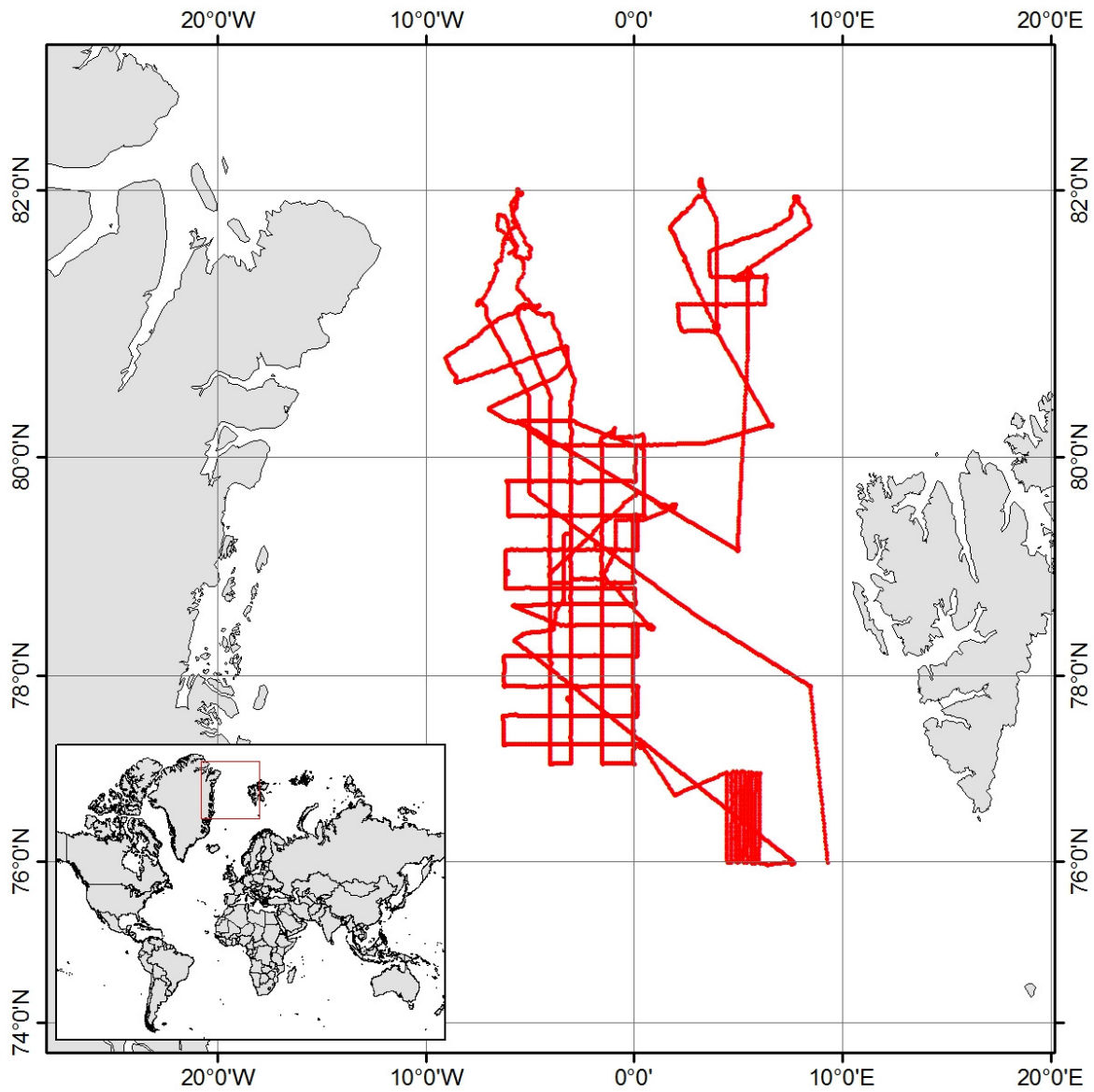


Figure 1: Navigational data as derived from navigation of meta table.