

**R/V Maria S. MERIAN
Cruise No. 2 Leg 3**

**Longyearbyen – Longyearbyen
(Svalbard)**

31 July – 17 August 2006

Preliminary Report

Chief scientist: Prof. Dr. André Freiwald
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Objectives

Aim of the Merian cruise 2 leg 3 was to analyse environmental controls and post-glacial climate variability of biosedimentary systems on the shelves around Svalbard. Special emphasis was laid on the evolution of polar carbonates – the least known system of non-tropical carbonate factories – and their potential as palaeo-environment recorder. The major working tool was the manned submersible JAGO which operated in topographic complex submarine terrains which are difficult to sample with conventional gear. The major objective was to study the composition and function of keystone species in sediment-forming polar benthic habitats with an integrated ecosystem approach. The results will be compared with the better-known ecosystems of the lower latitudes. We intend to budget the benthic carbonate production and accumulation rates and the taphonomy of polar carbonates. Selected long-living calcareous organisms will be analysed for historical fluctuations of climate change and the data may improve existing knowledge of the current Arctic warming. The study sites covered a broad range of oceanographically different situations. A special purpose of this cruise was to collect first data of the seawater carbonate chemistry with a focus on carbonate saturation.

The cruise objectives also included a polar-historical component – the fate of the Deutsche Arktis Expedition failed in 1912 as well as the rescue expedition in 1913.

Working Programme

The Merian cruise focused mainly on investigations of the carbonate producing ecosystems on the glacially affected shelves and within the fjords in polar latitudes around Svalbard. To achieve this aim, 23 scientists on board worked interdisciplinary together.

Within the working areas the subsequent strategy was followed:

1. Multibeam mapping of the sea floor for production of detailed bathymetric maps
2. JAGO (manned research submersible) dives with bottom photography for documentation and sampling
3. Bottom photography with a towed photo sledge for better overview of the sea floor and its benthic biocoenoses as well as for statistic purpose
4. Underwater light level measurements of the photosynthetic active radiation (PAR)
5. Dredges for sampling and description of zoobenthos
6. Van Veen grabs for geological and biological sampling
7. Box-corer and gravity-corer sampling in the deeper shelf areas or fjord troughs for description of the sediment and its fauna (incl. photography)
8. CTD profiles and water sampling with special attention to the measuring of the carbonate saturation and isotopic calibration

A further main focus was laid on polar-historical studies on the fate of the failed Deutsche Arktis Expedition in 1912.

Participants & Participating Institutions

The cruise was lead by Prof. Dr. André Freiwald from the IPAL (Erlangen) and 23 specialists of the following institutions took part:

- IPAL, Institute of Palaeontology, Erlangen University, Loewenichstr. 28, D-91054 Erlangen, Germany
- MARUM, University Bremen, Leobenerstr., D-28359 Bremen, Germany
- IFM-GEOMAR, Leibniz-Institut für Meereswissenschaften, Wischhofstr. 1-3, D-24148 Kiel, Germany
- Institute for Polar Ecology, University Kiel, Wischhofstr. 1-3, D-24148 Kiel, Germany
- MPI Seewiesen, Beiselestr. 19, D-82327 Tutzing, Germany
- Journalist, A-6020 Innsbruck, Austria
- Freelance documentary film maker, D-22946 Trittau, Germany
- Polar-historian, D-81371 Munich, Germany

Cruise Narration

Monday, 31.07.06

We left Longyearbyen in the early morning and started immediately with a CTD profile (#616-621) in Isfjorden. The profile ranged from the outer Isfjorden to the continental margin.

Tuesday, 01.08.06

In the night we moved on to Sentinelleflaket and started in the early morning with multibeam mapping (#622). Along 2 profiles, the NE slope of the bank was plotted from 146 to 33 m water depth. In the channel between Sentinelleflaket and the Nordenskjöld coast off Svalbard we made use of the box-corer sampler and a gravity-corer with a 3 m-barrel (#623), followed by 6 Van Veen grabs along the mapped area up to the top of the bank (#624-629). In the late afternoon, the JAGO-manoeuvre started under increasing wind. At the same time, underwater light level measurements were taken using the Merian rubber dinghy (#630). Last station on the Sentinelleflaket was the first ROV-mission (#631), which had to be cancelled because of technical problems. We passed to Mitragrunnen in front of Kongsfjorden in the evening.

Wednesday, 02.08.06

After midnight the scientific programme started with a CTD station (#632) in the outer Kongsfjorden south of Mitragrunnen, followed by multibeam mapping (#633). During the first scientific JAGO dive (#634) the lower slope of Mitragrunnen was mapped between 250 to 148 m water depth. Furthermore, the box-corer sampler and a

gravity-corer with a 6 m-barrel (#635) were used successfully as well as 2 dredges (#636-637). In the early evening we mapped selected profiles (#638). Still mapping, we entered Kongsfjorden back to 5 km from the spectacular Lilliehöök glacier front (#639).

Thursday, 03.08.06

Back towards Mitragrunnen, a CTD profile was taken through Krossfjorden (#640-643). The second JAGO dive was managed in the shallow area of the mapped Mitragrunnen area (#644) in the morning. In addition to yesterdays gravity-corer, a 9 m-barrel (#645) was used at the same station. In the afternoon we cruised back into Krossfjorden, taking a box-corer sample and a gravity-corer with a 6 m-barrel (#646). At the same time, the polar-historical landing party explored the remains of a German geophysical-meteorological station at Ebeltoftolmen. In the evening, we reached again the Lilliehöök glacier front, combining the preparations for JAGO dive (#647) proximal to the glacier for a photo shooting of JAGO and Merian in front of this spectacular scenery. While leaving the fjord, a box-corer sample and a 6 m-barrel gravity-corer (#648) were taken at night.

Friday, 04.08.06

Short after midnight, a second box-corer/6 m-barrel gravity corer station (#649) was carried out. Early in the morning a second ROV functional test (#650) was made and the multibeam map of this area was completed (#651). Later on, a JAGO dive at the outer Krossfjorden (#652) was launched. On the track of the JAGO dive of station #644 the photo sledge was used to expose every 15 m one medium format colour slide film (#653). Underwater light level measurements (#654) concluded the programme at this working area. We started our way to Mofen island in the afternoon, a sandy accumulation with a central lagoon north off Woodfjorden. In the night and under best weather conditions we reached our working area for multibeam mapping southwest of Mofen (#656). After the photo sledge was taken a CTD profile (#655) was carried out.

Saturday, 05.08.06

The investigations at Mofen started with a JAGO dive (#657) and underwater light level measurements (#658). At the deepest part, a box-corer sample (#659) was taken. Along parts of the JAGO track the photo sledge (#660) was used for creating sea floor photographs, followed by a dredge (#661) for collecting the key species. With two Van Veen grabs (#662-663) the sampling was finished at Mofen. In the evening some time was invested to close the last gaps of the multibeam maps (#664). Later on we reached a geologic station in the outer Woodfjorden, mapped by multibeam (#665) and sampled by box-corer, 6 m-barrel gravity-corer as well as CTD (#666).

Sunday, 06.08.06

Further CTD transects were launched in the area around Woodfjorden (#667-669). Early in the morning we reached Mosselbukta, and explored this bay with multibeam mapping (#670), followed by the 6th JAGO dive (#671). By means of underwater light level measurements (#672) the depth of the photic zone was investigated. Afterwards, an expert group for polar-historical studies went ashore to survey the hibernation lodging of Nordenskjöld in the bay of Mosselbukta. In the meantime, a corer site (#673) in the outer Wijdefjorden was explored. Back in Mosselbukta the

photo sledge (#674), dredge (#675) and 2 Van Veen grabs (#676-677) were launched.

Monday, 07.08.06

After midnight we filled the last gaps in the multibeam map (#678) of Mofsen, followed by a further CTD station in Wijdefjorden (#679). In the morning, we started a successful deployment of 3 bioerosion and carbonate-accretion experiments in the photic, dysphotic and aphotic zones within the bay of Mosselbukta, with the aid of the submersible JAGO (#680-682). These bioerosion panels are intended to be recovered after three years. The battery-recharge time of JAGO was used for multibeam mapping (#683). In the evening, the 10th scientific JAGO dive (#684) led from the lower slope up to the zone with rhodoliths. Final task in the Mosselbukta were underwater light level measurements (#685). After a short transect we reached a further geology station west of Verlegenuken in the outer Wijdefjorden, which was investigated by a short multibeam transect (#686), as well as box-corer and gravity-corer sampling plus a final CTD (#687).

Tuesday, 08.08.06

On the way to Sorgfjorden two further CTD transects were carried out (#688-689). A detailed multibeam grid was mapped in front of Sorgfjorden (#690) as well as within the inner bay (#691). In 1693 a naval action took place here with high losses of sailors and ships. Our 11th JAGO dive (#692) submerged to a potential shipwreck. At the same time, a group of specialists visited a grave field on the outlet of the bay. The first polar bear was sighted. In the bay the scientific programme was finished with underwater light level measurements (#693) and a CTD station (#694). With best weather conditions we headed towards Hinlopenstretet and – after multibeam mapping (#695) – started there with some heavy gear (box-corer, gravity-corers with 6 m- and 9 m-barrel, CTD and 3 Van Veen grabs; #696).

Wednesday, 09.08.06

The outer Hinlopenstretet was explored by multibeam mapping (#697) and then sampled by box-corer and gravity-corer as well as CTD (#698). We reached Kapp Rubin in the north of Nordaustlandet in the morning, launching a CTD (#699). The stretch between Kapp Rubin and the Nordkapp was covered by a detailed multibeam grid (#700). Along the steep slope, a first submersible dive (#701) was undertaken. At the same time underwater light level measurements (#702) took place, followed by a further short JAGO dive (#703). Along the track of the 12th JAGO dive (#701) the dredge (#704), photo sledge (#705) and CTD (#706) were launched. Subsequently, some short tracks were mapped (#707). Shortly before midnight we left Kapp Rubin to move towards north off Lågøya to a new geologic station. This area was explored by multibeam (#708), followed by a CTD profile (#709-1). Because of the pebbly seafloor, only the box-corer was applied (#709-2).

Thursday, 10.08.2006

Back at Kapp Rubin we continued with the multibeam mapping until the morning (#710). After breakfast a new JAGO dive (#711) explored another steep slope off Kapp Rubin, followed by a further light measurement (#712). Further areas between Nordkapp and Kapp Rubin were mapped (#713) in the afternoon. The 15th submersible dive (#714) started to quite shallow waters very close to the coast in the evening. Shortly before midnight, we reached Kapp Wrede, starting there with a CTD

profile (#715). The subsequent multibeam mapping (#716) offered a potential core station.

Friday, 11.08.06

Exactly at midnight this geologic station was investigated by box-corer and gravity-corer (#717). Hereafter we passed to Duvefjorden. There, a polar-historic excavation-team went ashore at Dokken (#718). At the same time the inner area of Duvefjorden was surveyed by multibeam (#719) and then sampled by CTD, box-corer, gravity-corer with a 9 m-barrel as well as 3 Van Veen grabs (#720). A detailed grid of the fjord at Dokken was mapped subsequently (#721) and the photo sledge (#722) was used. While heading towards 81°N we celebrated a joint barbeque with scientists and crew.

Saturday, 12.08.06

We reached 81°N at midnight, where a CTD (#723) on the open shelf north of the Nordkapp was launched. A CTD station (#724) at Nordenskjöldbukta was followed by multibeam (#725), box-corer and gravity-corer sampling (#726) in the outer Duvefjorden. After lunch at Sjuøyane northwest of the Seven Islands, a core station was surveyed with multibeam (#727), box-corer and gravity-corer (#728) before leaving in direction Hinlopenstretet and Lomfjorden.

Sunday, 13.08.06

Short after midnight the CTD (#729) was launched in the central Hinlopenstretet in Lomfjorden and a multibeam grid (#730) was mapped. The scientific programme for this morning started with a JAGO dive (#731) within the mapped area, followed by light measurements (#732), CTD (#733), a dredge (#734) and photo sledge (#735). Afterwards a further core station was surveyed with the approved methods such as multibeam (#736), box-corer, gravity-corer and Van Veen grabs (#737). In the evening we passed to Wahlbergfjorden with further multibeam mapping (#738), a CTD station and the geological standard programme (box-corer, gravity corer; #739).

Monday, 14.08.06

Back in Hinlopenstretet a submarine cliff was mapped (#740) near Fosteroyane. A JAGO dive (#741) had to be aborted after short time because of too strong currents. Instead light measurements (#742) and photo sledge (#743) were successful. We cruised on to the southern Hinlopenstretet. Near Perthesoya some Van Veen grabs were taken as well as a CTD (#744) profile was logged. In the evening, we made a short excursion to the very spectacular Brasvell glacier front, which is part of the huge Austfonna glacier of Nordaustlandet. In the late evening with the aid of multibeam (#745) we designated a scientific station for CTD, box-corer, gravity-corer and some Van Veen grabs (#746) in the Eriksenstretet. Here, the gravity-corer broke into parts and there was no chance to repair it on board.

Tuesday, 15.08.06

Short after midnight we reached the Barents Sea with some further Van Veen grabs and CTD stations (#747) in the eastern Eriksenstretet as well as near the Kong Karls Islands (#748-749). In the afternoon we reached our last geologic station on this cruise in the Olgastretet with a CTD transect, box-corer sampler as well as Van Veen grabs (#750), before starting the long transit to the Hornsund.

Wednesday, 16.08.06

Short before lunch, the Hornsund was reached. First, a CTD profile (#751) was logged. Near Höferpynten the area was mapped by multibeam (#752), followed by a submersible dive (#753). Finally, the last light measurements (#754) and photo sledge (#755) were carried out. At the same time, another group went ashore to explore the glacier Hansbreen. In the evening, we visited the glaciers at the end of the Hornsund and then steamed back in direction to Isfjorden.

Thursday, 17.08.06

We reached Floskjeret in Isfjorden after breakfast and mapped this area by multibeam (#756). With our 19th JAGO dive (#757) we concluded our station work on this cruise and reached Longyearbyen safely early in the evening.

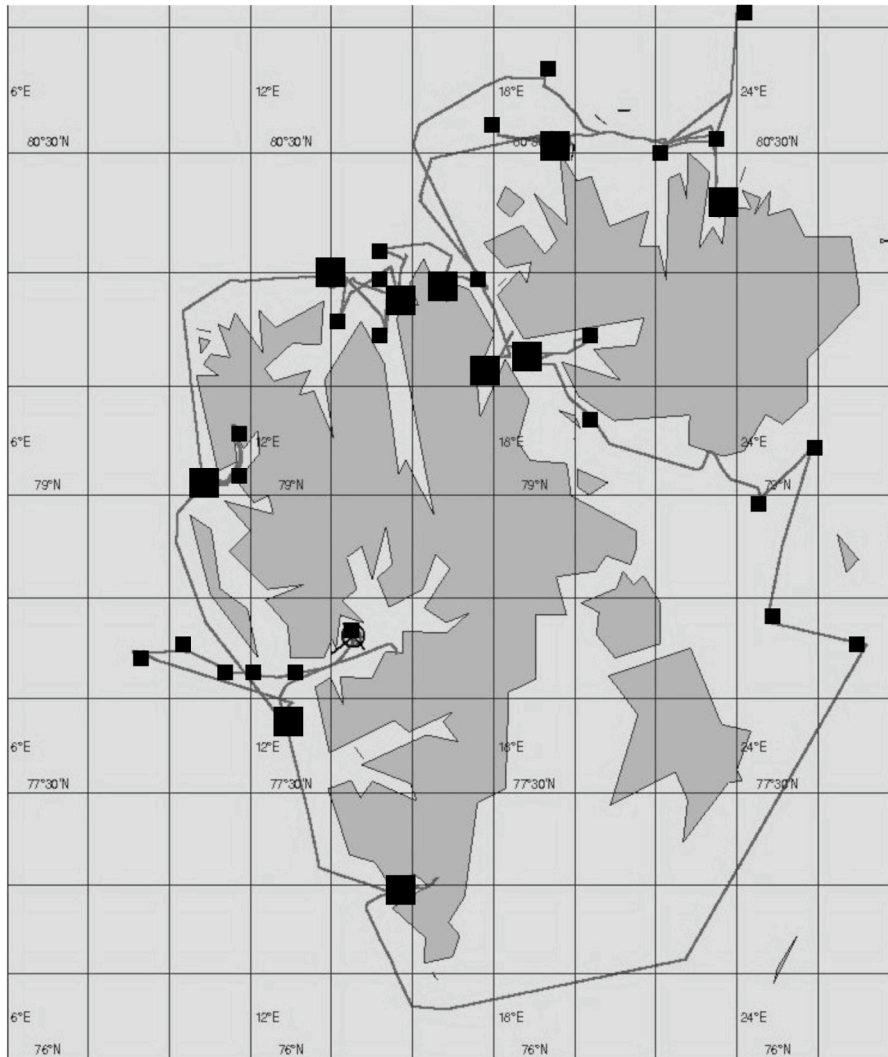


Figure 1: Track map of Maria S. Merian Cruise MSM2/3
 Large boxes indicate major study sites where all gear was applied. Small boxes indicate single gear stations such as CTD, gravity-/box-corer.

Station list and list of employed gear

- **CTD** (Conductivity, Temperature and Depth sensors)
- **MB** (Multibeam)
- **GKG** (Box-corer sampler)
- **SL** (Gravity-corer)
- **BG** (Van Veen grab)
- **LS** (Underwater light level measurements)
- **JAGO** (Manned research submersible)
- **DRG** (Dredges)
- **FS** (photo sledge)

Station list: see overleaf

Station list Maria S. MERIAN No. 2 Leg 3

| Station No. | Gear | No. | Location | Date | Start Time (UTC) | Coordinates | | | at bottom Time (UTC) | Coordinates | | | end stat. Time (UTC) | Coordinates | | |
|-------------|------|-----|----------------------------------|------------|---------------------|-------------|------------|-----------|-------------------------|-------------|------------|-----------|-------------------------|-------------|------------|-----------|
| | | | | | | Lat. °N | Long. °E | Depth (m) | | Lat. °N | Long. °E | Depth (m) | | Lat. °N | Long. °E | Depth (m) |
| 616 | CTD | 1 | Isfjorden | 31.07.2006 | 10:18 | 78° 09,29' | 13° 50,05' | 424 | 10:48 | 78° 09,29' | 13° 50,05' | 417 | 10:55 | 78° 09,29' | 13° 50,05' | 424 |
| 617 | CTD | 2 | Isfjorden | 31.07.2006 | 12:58 | 78° 06,32' | 12° 42,30' | 253 | 13:19 | 78° 06,32' | 12° 42,30' | 245 | 13:30 | 78° 06,32' | 12° 42,30' | 253 |
| 618 | CTD | 3 | Isfjorden | 31.07.2006 | 16:24 | 78° 07,51' | 11° 33,17' | 261 | 16:40 | 78° 07,51' | 11° 33,17' | 249 | 16:57 | 78° 07,51' | 11° 33,17' | 261 |
| 619 | CTD | 4 | Isfjorden | 31.07.2006 | 20:03 | 78° 13,99' | 10° 30,04' | 288 | 20:20 | 78° 13,99' | 10° 30,04' | 282 | 20:31 | 78° 13,99' | 10° 30,04' | 288 |
| 620 | CTD | 5 | Isfjorden | 31.07.2006 | 22:05 | 78° 13,99' | 09° 21,02' | 476 | 22:25 | 78° 14,04' | 09° 21,02' | 465 | 22:39 | 78° 14,05' | 09° 21,58' | 461 |
| 621 | CTD | 6 | Isfjorden | 31.07.2006 | 23:21 | 78° 14,03' | 09° 05,47' | 968 | 0:02 | 78° 14,25' | 09° 06,01' | 944 | 0:30 | 78° 14,33' | 09° 06,95' | 928 |
| 622-1 | MB | 1 | Sentinellefaket | 01.08.2006 | 4:43 | 77° 58,62' | 12° 59,30' | 150 | | | | | 5:47 | 77° 52,68' | 12° 42,59' | 40 |
| 622-2 | MB | 1 | Sentinellefaket | 01.08.2006 | 5:57 | 77° 52,70' | 12° 42,80' | 40 | | | | | 6:55 | 77° 58,62' | 13° 00,82' | 149 |
| 623-1 | GKG | 1 | Sentinellefaket | 01.08.2006 | 7:22 | 77° 58,36' | 12° 59,48' | 146 | 7:28 | 77° 58,36' | 12° 59,48' | 146 | 7:32 | 77° 58,36' | 12° 59,48' | 146 |
| 623-2 | GKG | 2 | Sentinellefaket | 01.08.2006 | 7:33 | 77° 58,36' | 12° 59,48' | 146 | 7:36 | 77° 58,36' | 12° 59,48' | 146 | 7:54 | 77° 58,36' | 12° 59,48' | 146 |
| 623-3 | SL | 1 | Sentinellefaket | 01.08.2006 | 8:17 | 77° 58,36' | 12° 59,47' | 146 | 8:20 | 77° 58,36' | 12° 59,47' | 146 | 8:36 | 77° 58,36' | 12° 59,47' | 146 |
| 624 | BG | 1 | Sentinellefaket | 01.08.2006 | 9:12 | 77° 57,43' | 12° 56,55' | 131 | 9:21 | 77° 57,43' | 12° 56,55' | 130 | 9:27 | 77° 57,43' | 12° 56,56' | 131 |
| 625 | BG | 2 | Sentinellefaket | 01.08.2006 | 10:01 | 77° 56,95' | 12° 55,64' | 124 | 10:07 | 77° 56,95' | 12° 55,64' | 124 | 10:13 | 77° 56,95' | 12° 55,64' | 124 |
| 626-1 | BG | 3 | Sentinellefaket | 01.08.2006 | 10:36 | 77° 56,35' | 12° 53,78' | 37 | 10:40 | 77° 56,35' | 12° 53,77' | 37 | 10:44 | 77° 56,35' | 12° 53,77' | 37 |
| 626-2 | BG | 4 | Sentinellefaket | 01.08.2006 | 10:45 | 77° 56,35' | 12° 53,77' | 37 | 10:47 | 77° 56,35' | 12° 53,77' | 37 | 10:51 | 77° 56,35' | 12° 53,77' | 37 |
| 627-1 | BG | 5 | Sentinellefaket | 01.08.2006 | 11:13 | 77° 55,72' | 12° 51,78' | 33 | 11:16 | 77° 55,72' | 12° 51,77' | 33 | 11:19 | 77° 55,72' | 12° 51,77' | 33 |
| 627-2 | BG | 6 | Sentinellefaket | 01.08.2006 | 11:22 | 77° 55,72' | 12° 51,77' | 33 | 11:26 | 77° 55,72' | 12° 51,77' | 33 | 11:28 | 77° 55,72' | 12° 51,77' | 33 |
| 627-3 | BG | 7 | Sentinellefaket | 01.08.2006 | 11:29 | 77° 55,72' | 12° 51,77' | 33 | 11:31 | 77° 55,72' | 12° 51,77' | 33 | 11:34 | 77° 55,72' | 12° 51,77' | 33 |
| 627-4 | BG | 8 | Sentinellefaket | 01.08.2006 | 11:35 | 77° 55,72' | 12° 51,77' | 33 | 11:37 | 77° 55,72' | 12° 51,77' | 33 | 11:40 | 77° 55,71' | 12° 51,77' | 33 |
| 628 | BG | 9 | Sentinellefaket | 01.08.2006 | 12:05 | 77° 54,93' | 12° 49,49' | 31 | 12:07 | 77° 54,93' | 12° 49,49' | 31 | 12:09 | 77° 54,93' | 12° 49,49' | 31 |
| 629 | BG | 10 | Sentinellefaket | 01.08.2006 | 12:39 | 77° 53,37' | 12° 45,22' | 38 | 12:42 | 77° 53,37' | 12° 45,23' | 38 | 12:45 | 77° 53,37' | 12° 45,22' | 38 |
| 630 | LS | 1 | Sentinellefaket | 01.08.2006 | 15:05 | 77° 53,06' | 12° 47,56' | 36 | | | | | 15:32 | 77° 53,19' | 12° 46,96' | 34 |
| 631 | ROV | 1 | Sentinellefaket | 01.08.2006 | 16:07 | 77° 53,37' | 12° 45,22' | 39 | | | | | 16:15 | 77° 53,37' | 12° 45,22' | 39 |
| 632 | CTD | 7 | Mitragrunnen | 01.08.2006 | 23:36 | 79° 02,37' | 10° 46,99' | 340 | 23:59 | 79° 02,37' | 10° 46,99' | 332 | 0:09 | 79° 02,37' | 10° 46,99' | 340 |
| 633-1 | MB | 2 | Mitragrunnen / Outa Kongsfjorden | 02.08.2006 | 0:45 | 79° 02,65' | 10° 45,57' | 341 | | | | | 1:11 | 79° 05,80' | 10° 43,26' | 42 |
| 633-2 | MB | 2 | Mitragrunnen / Outa Kongsfjorden | 02.08.2006 | 1:17 | 79° 05,77' | 10° 44,31' | 49 | | | | | 1:46 | 79° 02,70' | 10° 50,48' | 332 |
| 633-3 | MB | 2 | Mitragrunnen | 02.08.2006 | 2:01 | 79° 02,96' | 10° 54,97' | 350 | | | | | 2:30 | 79° 05,79' | 10° 44,91' | 46 |
| 633-4 | MB | 2 | Mitragrunnen | 02.08.2006 | 2:35 | 79° 05,79' | 10° 45,88' | 53 | | | | | 3:06 | 79° 03,42' | 10° 59,14' | 308 |
| 633-5 | MB | 2 | Mitragrunnen | 02.08.2006 | 3:18 | 79° 04,22' | 11° 01,06' | 184 | | | | | 3:46 | 79° 05,86' | 10° 46,47' | 46 |
| 633-6 | MB | 2 | Mitragrunnen | 02.08.2006 | 3:52 | 79° 05,91' | 10° 47,86' | 53 | | | | | 4:17 | 79° 04,81' | 11° 03,29' | 110 |
| 633-7 | MB | 2 | Mitragrunnen | 02.08.2006 | 4:26 | 79° 05,30' | 11° 04,03' | 94 | | | | | 4:54 | 79° 06,03' | 10° 48,37' | 43 |
| 633-8 | MB | 2 | Mitragrunnen | 02.08.2006 | 5:01 | 79° 06,16' | 10° 50,65' | n.d. | | | | | 5:21 | 79° 05,69' | 11° 03,93' | 93 |
| 633-9 | MB | 2 | Mitragrunnen | 02.08.2006 | 5:28 | 79° 06,08' | 11° 03,37' | 115 | | | | | 6:05 | 79° 06,42' | 10° 42,34' | 36 |
| 633-10 | MB | 2 | Mitragrunnen | 02.08.2006 | 6:05 | 79° 06,42' | 10° 42,34' | 36 | | | | | 6:38 | 79° 06,37' | 11° 03,68' | 130 |
| 634 | JAGO | 1 | Mitragrunnen | 02.08.2006 | 8:19 | 79° 04,50' | 10° 47,20' | 261 | 8:38 | 79° 04,54' | 10° 46,94' | 250 | 10:49 | 79° 04,99' | 10° 47,65' | 140 |
| 635-1 | GKG | 3 | Mitragrunnen | 02.08.2006 | 12:20 | 79° 03,20' | 10° 54,00' | 347 | 12:28 | 79° 03,20' | 10° 54,00' | 348 | 12:41 | 79° 03,21' | 10° 54,00' | 348 |
| 635-2 | SL | 2 | Mitragrunnen | 02.08.2006 | 13:06 | 79° 03,20' | 10° 54,00' | 349 | 13:12 | 79° 03,20' | 10° 54,00' | 349 | 13:30 | 79° 03,20' | 10° 54,00' | 350 |
| 636 | DRG | 1 | Mitragrunnen | 02.08.2006 | 14:17 | 79° 05,37' | 10° 47,22' | 99 | 14:22 | 79° 05,37' | 10° 47,22' | 99 | 15:05 | 79° 05,69' | 10° 49,44' | 100 |
| 637 | DRG | 2 | Mitragrunnen | 02.08.2006 | 15:34 | 79° 05,94' | 10° 48,21' | 51 | 15:40 | 79° 05,91' | 10° 47,64' | 49 | 16:11 | 79° 05,84' | 10° 46,36' | 49 |
| 638-1 | MB | 3 | Mitragrunnen | 02.08.2006 | 17:27 | 79° 04,66' | 10° 43,61' | 213 | | | | | 19:53 | 79° 05,92' | 10° 52,50' | 136 |
| 638-2 | MB | 3 | Mitragrunnen | 02.08.2006 | 20:28 | 79° 05,11' | 10° 56,19' | 127 | | | | | 21:35 | 79° 04,23' | 11° 25,67' | |
| 639 | MB | 4 | Kongsfjorden / Krossfjorden | 02.08.2006 | 21:35 | 79° 04,23' | 11° 25,67' | | | | | | 8:00 | 79° 05,69' | 10° 46,84' | 70 |
| 640 | CTD | 8 | Krossfjorden / Lilliehöökfjorden | 02.08.2006 | 23:56 | 79° 18,32' | 11° 36,69' | 132 | 0:13 | 79° 18,32' | 11° 36,69' | 132 | 0:21 | 79° 18,32' | 11° 36,69' | 132 |
| 641 | CTD | 9 | Krossfjorden / Lilliehöökfjorden | 03.08.2006 | 1:32 | 79° 12,99' | 11° 44,48' | 243 | 1:37 | 79° 12,99' | 11° 44,48' | 232 | 1:46 | 79° 12,99' | 11° 44,48' | 243 |
| 642 | CTD | 10 | Krossfjorden / Lilliehöökfjorden | 03.08.2006 | 2:36 | 79° 09,10' | 11° 46,73' | 350 | 2:56 | 79° 09,10' | 11° 46,73' | 341 | 3:10 | 79° 09,10' | 11° 46,73' | 350 |
| 643 | CTD | 11 | Krossfjorden / Lilliehöökfjorden | 03.08.2006 | 4:05 | 79° 05,55' | 11° 34,30' | 283 | 4:23 | 79° 05,55' | 11° 34,30' | 279 | 4:33 | 79° 05,54' | 11° 34,30' | 284 |
| 644 | JAGO | 2 | Mitragrunnen | 03.08.2006 | 6:39 | 79° 05,70' | 10° 46,74' | 71 | 6:43 | 79° 05,76' | 10° 46,29' | 60 | 9:29 | 79° 05,95' | 10° 45,61' | 41 |
| 645-1 | SL | 3 | Mitragrunnen | 03.08.2006 | 10:53 | 79° 03,21' | 10° 54,01' | 348 | 11:00 | 79° 03,21' | 10° 54,01' | 348 | 11:14 | 79° 03,21' | 10° 54,01' | 348 |

Station list Maria S. MERIAN No. 2 Leg 3

| Station No. | Gear | No. | Location | Date | Start Time (UTC) | Coordinates | | | at bottom Time (UTC) | Coordinates | | | end stat. Time (UTC) | Coordinates | | |
|-------------|------|-----|-------------------------------------|------------|---------------------|-------------|------------|-----------|-------------------------|-------------|------------|-----------|-------------------------|-------------|------------|-----------|
| | | | | | | Lat. °N | Long. °E | Depth (m) | | Lat. °N | Long. °E | Depth (m) | | Lat. °N | Long. °E | Depth (m) |
| 646-1 | GKG | 4 | Krossfjorden | 03.08.2006 | 14:24 | 79° 09,30' | 11° 43,60' | 352 | 14:32 | 79° 09,30' | 11° 43,60' | 352 | 14:44 | 79° 09,30' | 11° 43,60' | 352 |
| 646-2 | SL | 4 | Krossfjorden | 03.08.2006 | 15:09 | 79° 09,30' | 11° 43,60' | 352 | 15:16 | 79° 09,30' | 11° 43,60' | 352 | 15:28 | 79° 09,30' | 11° 43,60' | 352 |
| 647 | JAGO | 3 | Lilliehöökfjorden - glacier slope | 03.08.2006 | 18:14 | 79° 19,37' | 11° 37,49' | | 19:09 | 79° 19,37' | 11° 37,49' | 39 | 20:06 | 79° 19,36' | 11° 37,03' | |
| 648-1 | GKG | 5 | Lilliehöökfjorden | 03.08.2006 | 22:10 | 79° 17,48' | 11° 37,62' | 217 | 22:16 | 79° 17,48' | 11° 37,62' | 217 | 22:25 | 79° 17,48' | 11° 37,61' | 217 |
| 648-2 | SL | 5 | Lilliehöökfjorden | 03.08.2006 | 22:42 | 79° 17,48' | 11° 37,62' | 217 | 22:52 | 79° 17,48' | 11° 37,62' | 217 | 23:10 | 79° 17,48' | 11° 37,62' | 217 |
| 649-1 | GKG | 6 | Lilliehöökfjorden | 04.08.2006 | 0:06 | 79° 13,20' | 11° 43,20' | 272 | 0:12 | 79° 13,20' | 11° 43,20' | 272 | 0:22 | 79° 13,20' | 11° 43,20' | 272 |
| 649-2 | SL | 6 | Lilliehöökfjorden | 04.08.2006 | 0:35 | 79° 13,20' | 11° 43,20' | 272 | 0:44 | 79° 13,20' | 11° 43,20' | 272 | 0:58 | 79° 13,20' | 11° 43,20' | 272 |
| 650 | ROV | 2 | Lilliehöökfjorden | 04.08.2006 | 1:14 | 79° 13,20' | 11° 43,20' | 272 | | | | | 1:32 | 79° 13,20' | 11° 43,20' | 272 |
| 651 | MB | 5 | Mitragrunnen | 04.08.2006 | 1:46 | 79° 12,87' | 11° 44,37' | 234 | | | | | 5:40 | 79° 03,64' | 11° 14,86' | 106 |
| 652 | JAGO | 4 | Krossfjorden - entrance, Kapp Mitra | 04.08.2006 | 6:56 | 79° 03,52' | 11° 14,05' | 99 | 7:02 | 79° 03,71' | 11° 13,75' | 92 | 9:29 | 79° 04,35' | 11° 14,43' | 47 |
| 653 | FS | 1 | Mitragrunnen | 04.08.2006 | 11:35 | 79° 05,94' | 10° 45,63' | 40 | 11:40 | 79° 05,94' | 10° 45,63' | 41 | 12:30 | 79° 05,70' | 10° 46,85' | 72 |
| 654 | LS | 2 | Mitragrunnen | 04.08.2006 | 12:56 | 79° 05,45' | 10° 48,20' | 95 | | | | | | | | |
| 655 | CTD | 12 | Moffen | 04.08.2006 | 20:21 | 79° 59,01' | 13° 44,91' | 156 | 20:34 | 79° 59,01' | 13° 44,91' | 147 | 20:52 | 79° 59,01' | 13° 44,91' | 156 |
| 656 | MB | 6 | Moffen | 04.08.2006 | 22:11 | 79° 58,10' | 13° 51,57' | 128 | | | | | 6:10 | 79° 59,11' | 14° 10,50' | 78 |
| 657 | JAGO | 5 | Moffen | 05.08.2006 | 6:49 | 79° 59,12' | 14° 10,73' | 77 | 6:56 | 79° 59,09' | 14° 10,56' | 75 | 10:31 | 79° 53,69' | 14° 13,40' | 43 |
| 658 | LS | 3 | Moffen | 05.08.2006 | 8:20 | 79° 59,37' | 14° 11,78' | 60 | | | | | 9:00 | 79° 59,46' | 14° 13,05' | 48 |
| 659-1 | GKG | 7 | Moffen | 05.08.2006 | 11:30 | 79° 58,80' | 14° 03,00' | 112 | 11:33 | 79° 58,80' | 14° 03,00' | 112 | 11:39 | 79° 58,80' | 14° 03,00' | 112 |
| 660 | FS | 2 | Moffen | 05.08.2006 | 12:48 | 79° 59,52' | 14° 13,97' | 39 | 12:53 | 79° 59,52' | 14° 13,96' | 40 | 13:29 | 79° 59,46' | 14° 13,33' | 48 |
| 661 | DRG | 3 | Moffen | 05.08.2006 | 13:50 | 79° 59,08' | 14° 16,37' | 41 | 14:00 | 79° 59,10' | 14° 16,32' | 40 | 14:33 | 79° 59,45' | 14° 14,07' | 40 |
| 662-1 | BG | 7 | Moffen | 05.08.2006 | 14:49 | 79° 59,49' | 14° 13,92' | 40 | 14:52 | 79° 59,49' | 14° 13,92' | 40 | 14:54 | 79° 59,49' | 14° 13,92' | 40 |
| 662-2 | BG | 8 | Moffen | 05.08.2006 | 14:57 | 79° 59,49' | 14° 13,93' | 40 | 15:00 | 79° 59,49' | 14° 13,92' | 40 | 15:04 | 79° 59,49' | 14° 13,92' | 40 |
| 663-1 | BG | 9 | Moffen | 05.08.2006 | 15:32 | 79° 59,17' | 14° 10,97' | 69 | 15:37 | 79° 59,17' | 14° 10,97' | 69 | 15:42 | 79° 59,17' | 14° 10,97' | 70 |
| 663-2 | BG | 10 | Moffen | 05.08.2006 | 15:42 | 79° 59,17' | 14° 10,97' | 69 | 15:46 | 79° 59,17' | 14° 10,97' | 69 | 15:49 | 79° 59,17' | 14° 10,97' | 69 |
| 664 | MB | 7 | Moffen | 05.08.2006 | 16:16 | 79° 58,12' | 14° 19,40' | 42 | | | | | 19:30 | 79° 57,77' | 14° 19,40' | 58 |
| 665 | MB | 8 | Moffen - Woodfjorden | 05.08.2006 | 20:16 | 79° 49,50' | 14° 13,54' | 131 | | | | | 20:47 | 79° 45,99' | 14° 07,13' | 190 |
| 666-1 | GKG | 8 | Woodfjorden | 05.08.2006 | 21:19 | 79° 48,00' | 14° 12,00' | 171 | 21:23 | 79° 48,00' | 14° 12,00' | 171 | 21:35 | 79° 48,00' | 14° 12,00' | 171 |
| 666-2 | SL | 6 | Woodfjorden | 05.08.2006 | 21:50 | 79° 48,00' | 14° 12,00' | 171 | 21:54 | 79° 48,00' | 14° 12,00' | 171 | 22:07 | 79° 48,00' | 14° 12,00' | 171 |
| 666-3 | CTD | 14 | Woodfjorden | 05.08.2006 | 22:22 | 79° 48,00' | 14° 11,98' | 171 | 22:36 | 79° 48,00' | 14° 11,98' | 164 | 22:50 | 79° 48,00' | 14° 11,98' | 171 |
| 666-4 | SL | 7 | Woodfjorden | 05.08.2006 | 22:53 | 79° 48,00' | 14° 12,00' | 171 | 22:57 | 79° 48,00' | 14° 12,00' | 171 | 23:15 | 79° 48,00' | 14° 12,00' | 171 |
| 667 | CTD | 15 | Woodfjorden | 06.08.2006 | 0:09 | 79° 54,59' | 14° 27,58' | 143 | 0:22 | 79° 54,58' | 14° 27,57' | 132 | 0:30 | 79° 54,58' | 14° 27,57' | 143 |
| 668 | CTD | 16 | Woodfjorden | 06.08.2006 | 1:47 | 80° 01,19' | 15° 26,50' | 160 | 2:00 | 80° 01,24' | 15° 27,23' | 147 | 2:15 | 80° 01,24' | 15° 27,34' | 162 |
| 669 | CTD | 17 | Woodfjorden | 06.08.2006 | 3:51 | 79° 55,55' | 15° 35,29' | 156 | 4:03 | 79° 55,55' | 15° 35,28' | 156 | 4:08 | 79° 55,55' | 15° 35,28' | 156 |
| 670 | MB | 9 | Mosselbukta | 06.08.2006 | 6:28 | 79° 54,20' | 15° 44,91' | 81 | | | | | 10:33 | 79° 53,40' | 15° 45,88' | 42 |
| 671 | JAGO | 6 | Mosselbukta | 06.08.2006 | 11:40 | 79° 54,64' | 15° 48,62' | 44 | 13:53 | 79° 54,62' | 15° 48,67' | 42 | 14:09 | 79° 54,51' | 15° 50,23' | 27 |
| 672 | LS | 4 | Mosselbukta | 06.08.2006 | 11:40 | 79° 54,57' | 15° 49,72' | 44 | | | | | 13:00 | 79° 54,57' | 15° 49,72' | 44 |
| 673-1 | GKG | 9 | Wijdefjorden | 06.08.2006 | 17:11 | 79° 46,82' | 15° 21,47' | 152 | 17:15 | 79° 46,82' | 15° 21,47' | 152 | 17:23 | 79° 46,82' | 15° 21,48' | 152 |
| 673-2 | SL | 7 | Wijdefjorden | 06.08.2006 | 17:38 | 79° 46,82' | 15° 21,48' | 152 | 17:43 | 79° 46,82' | 15° 21,48' | 152 | 17:51 | 79° 46,82' | 15° 21,48' | 152 |
| 674 | FS | 3 | Mosselbukta | 06.08.2006 | 19:34 | 79° 54,59' | 15° 48,90' | 40 | 19:45 | 79° 54,59' | 15° 48,91' | 40 | 20:25 | 79° 54,64' | 15° 48,05' | 51 |
| 675 | DRG | 4 | Mosselbukta | 06.08.2006 | 20:57 | 79° 54,21' | 15° 46,94' | 61 | 21:10 | 79° 54,21' | 15° 46,94' | 62 | 21:59 | 79° 53,52' | 15° 44,89' | 72 |
| 676 | BG | 11 | Mosselbukta | 06.08.2006 | 22:29 | 79° 53,67' | 15° 43,00' | 102 | 22:32 | 79° 53,67' | 15° 42,99' | 102 | 22:36 | 79° 53,67' | 15° 42,99' | 102 |
| 677 | BG | 12 | Mosselbukta | 06.08.2006 | 22:55 | 79° 53,50' | 15° 40,02' | 149 | 23:01 | 79° 53,50' | 15° 40,02' | 149 | 23:06 | 79° 53,50' | 15° 40,02' | 149 |
| 678 | MB | 10 | Moffen | 07.08.2006 | 0:53 | 79° 58,23' | 14° 19,42' | | | | | | 4:15 | 79° 58,34' | 14° 20,27' | |
| 679 | CTD | 18 | Wijdefjorden | 07.08.2006 | 5:47 | 79° 45,02' | 15° 20,07' | 135 | 5:59 | 79° 45,02' | 15° 20,07' | 127 | 6:06 | 79° 45,02' | 15° 20,07' | 135 |
| 680 | JAGO | 7 | Mosselbukta | 07.08.2006 | 7:53 | 79° 53,85' | 15° 42,18' | 101 | 8:07 | 79° 53,86' | 15° 42,86' | 127 | 8:53 | 79° 53,84' | 15° 41,68' | 20 |
| 681 | JAGO | 8 | Mosselbukta | 07.08.2006 | 10:42 | 79° 54,38' | 15° 47,92' | 41 | 10:58 | 79° 54,47' | 15° 47,71' | 46 | 11:36 | 79° 54,35' | 15° 47,85' | 41 |
| 682 | JAGO | 9 | Mosselbukta | 07.08.2006 | 12:36 | 79° 54,51' | 15° 49,12' | 32 | 12:58 | 79° 54,54' | 15° 54,73' | 10 | 13:05 | 79° 54,43' | 15° 54,90' | 10 |
| 683 | MB | 11 | Outer Wijdefjorden | 07.08.2006 | 14:10 | 79° 48,50' | 15° 20,04' | 140 | | | | | 14:36 | 79° 45,00' | 15° 20,01' | 135 |
| 684 | JAGO | 10 | Mosselbukta | 07.08.2006 | 16:43 | 79° 53,72' | 15° 44,75' | 80 | 16:47 | 79° 53,68' | 15° 44,57' | 78 | 19:24 | 79° 53,54' | 15° 46,58' | 44 |

Station list Maria S. MERIAN No. 2 Leg 3

| Station No. | Gear | No. | Location | Date | Start Time (UTC) | Coordinates | | | at bottom Time (UTC) | Coordinates | | | end stat. Time (UTC) | Coordinates | | |
|-------------|--------------|-----|-----------------------|------------|---------------------|-------------|------------|-----------|-------------------------|-------------|------------|-----------|-------------------------|-------------|------------|-----------|
| | | | | | | Lat. °N | Long. °E | Depth (m) | | Lat. °N | Long. °E | Depth (m) | | Lat. °N | Long. °E | Depth (m) |
| 685 | LS | 5 | Mosselbukta | 07.08.2006 | 16:55 | 79° 53,73' | 15° 44,62' | 79 | | | | | 17:34 | 79° 53,61' | 15° 45,65' | 61 |
| 686 | MB | 12 | Outer Wijdefjorden | 07.08.2006 | 20:38 | 80° 01,35' | 15° 43,90' | 155 | | | | | 21:00 | 80° 03,80' | 15° 50,27' | 216 |
| 687-1 | GKG | 10 | Outer Wijdefjorden | 07.08.2006 | 21:30 | 80° 03,05' | 15° 48,09' | 223 | 21:36 | 80° 03,05' | 15° 48,01' | 222 | 21:45 | 80° 03,06' | 15° 47,94' | 221 |
| 687-2 | SL | 8 | Outer Wijdefjorden | 07.08.2006 | 22:00 | 80° 03,04' | 15° 47,69' | 225 | 22:06 | 80° 03,04' | 15° 47,55' | 228 | 22:17 | 80° 03,06' | 15° 47,23' | 229 |
| 687-3 | CTD | 19 | Outer Wijdefjorden | 07.08.2006 | 22:45 | 80° 03,05' | 15° 47,61' | 228 | 23:01 | 80° 03,13' | 15° 47,17' | 219 | 23:15 | 80° 03,17' | 15° 47,21' | 226 |
| 688 | CTD | 20 | Outer Wijdefjorden | 08.08.2006 | 0:01 | 80° 06,15' | 15° 10,79' | 150 | 0:14 | 80° 06,04' | 15° 10,23' | 142 | 0:21 | 80° 06,02' | 15° 10,22' | 148 |
| 689 | CTD | 21 | Outer Wijdefjorden | 08.08.2006 | 2:19 | 80° 04,16' | 16° 57,69' | 299 | 2:36 | 80° 04,11' | 16° 57,72' | 291 | 2:51 | 80° 04,07' | 16° 57,59' | 295 |
| 690 | MB | 13 | Sorgfjorden | 08.08.2006 | 3:34 | 79° 58,65' | 16° 47,90' | 75 | | | | | 6:50 | 79° 57,13' | 16° 48,54' | 94 |
| 691 | MB | 14 | Sorgfjorden | 08.08.2006 | 6:51 | 79° 57,13' | 16° 48,54' | 90 | | | | | 10:55 | 79° 54,89' | 16° 42,31' | 100 |
| 692 | JAGO | 11 | Sorgfjorden | 08.08.2006 | 11:48 | 79° 55,05' | 16° 42,81' | 94 | 11:52 | 79° 55,09' | 16° 42,79' | 88 | 14:24 | 79° 55,07' | 16° 42,54' | 94 |
| 693 | LS | 6 | Sorgfjorden | 08.08.2006 | 14:49 | 79° 55,04' | 16° 42,83' | 94 | | | | | 15:04 | 79° 55,04' | 16° 42,83' | 94 |
| 694 | CTD | 22 | Sorgfjorden | 08.08.2006 | 15:59 | 79° 54,28' | 16° 48,95' | 53 | 16:03 | 79° 54,12' | 16° 48,95' | 45 | 16:08 | 79° 54,28' | 16° 48,95' | 53 |
| 695 | MB | 15 | Hinlopenstretet | 08.08.2006 | 17:54 | 79° 56,01' | 17° 50,74' | 410 | | | | | 18:20 | 79° 58,50' | 17° 42,84' | 384 |
| 696-1 | GKG | 11 | Inner Hinlopenstretet | 08.08.2006 | 18:41 | 79° 58,02' | 17° 44,56' | 384 | 18:50 | 79° 58,02' | 17° 44,56' | 384 | 19:02 | 79° 58,02' | 17° 44,56' | 384 |
| 696-2 | SL | 9 | Inner Hinlopenstretet | 08.08.2006 | 19:16 | 79° 58,02' | 17° 44,56' | 384 | 19:22 | 79° 58,02' | 17° 44,56' | 384 | 19:57 | 79° 58,02' | 17° 44,56' | 384 |
| 696-3 | CTD | 23 | Inner Hinlopenstretet | 08.08.2006 | 20:07 | 79° 58,07' | 17° 44,57' | 384 | 20:29 | 79° 58,08' | 17° 44,57' | 376 | 20:40 | 79° 58,07' | 17° 44,57' | 384 |
| 696-4 | BG | 13 | Inner Hinlopenstretet | 08.08.2006 | 20:58 | 79° 58,02' | 17° 44,55' | 384 | 21:08 | 79° 58,02' | 17° 44,55' | 384 | 21:16 | 79° 58,02' | 17° 44,55' | 384 |
| 696-5 | BG | 14 | Inner Hinlopenstretet | 08.08.2006 | 21:21 | 79° 58,02' | 17° 44,55' | 384 | 21:31 | 79° 58,02' | 17° 44,55' | 384 | 21:39 | 79° 58,02' | 17° 44,55' | 384 |
| 696-6 | BG | 15 | Inner Hinlopenstretet | 08.08.2006 | 21:43 | 79° 58,02' | 17° 44,55' | 384 | 21:52 | 79° 58,02' | 17° 44,55' | 384 | 22:01 | 79° 58,02' | 17° 44,54' | 384 |
| 696-7 | SL | 10 | Inner Hinlopenstretet | 08.08.2006 | 22:17 | 79° 58,02' | 17° 44,54' | 384 | 22:25 | 79° 58,02' | 17° 44,54' | 384 | 22:41 | 79° 58,02' | 17° 44,54' | 384 |
| 697 | MB | 16 | Outer Hinlopenstretet | 09.08.2006 | 1:03 | 80° 18,12' | 16° 11,86' | 345 | | | | | 1:24 | 80° 20,24' | 16° 14,00' | 374 |
| 698-1 | GKG | 12 | Outer Hinlopenstretet | 09.08.2006 | 1:46 | 80° 19,20' | 16° 11,88' | 353 | 1:54 | 80° 19,19' | 16° 11,68' | 353 | 2:05 | 80° 19,19' | 16° 11,44' | 353 |
| 698-2 | SL | 11 | Outer Hinlopenstretet | 09.08.2006 | 2:22 | 80° 19,13' | 16° 11,02' | 352 | 2:30 | 80° 19,15' | 16° 11,09' | 352 | 2:50 | 80° 19,13' | 16° 10,91' | 353 |
| 698-3 | CTD | 24 | Outer Hinlopenstretet | 09.08.2006 | 2:59 | 80° 19,14' | 16° 10,91' | 352 | 3:19 | 80° 19,19' | 16° 10,90' | 345 | 3:30 | 80° 19,21' | 16° 10,85' | 353 |
| 699 | CTD | 25 | Kapp Rubin | 09.08.2006 | 6:59 | 80° 35,00' | 19° 27,84' | 144 | 7:09 | 80° 35,01' | 19° 27,62' | 142 | 7:15 | 80° 35,03' | 19° 27,48' | 144 |
| 700 | MB | 17 | Kapp Rubin | 09.08.2006 | 7:59 | 80° 31,62' | 19° 39,45' | | | | | | 11:34 | 80° 31,00' | 19° 44,09' | 41 |
| 701 | JAGO | 12 | Kapp Rubin | 09.08.2006 | 12:08 | 80° 31,99' | 19° 50,62' | 73 | 12:15 | 80° 32,01' | 19° 50,77' | 78 | 15:24 | 80° 31,95' | 19° 51,30' | 30 |
| 702 | LS | 7 | Kapp Rubin | 09.08.2006 | 12:28 | 80° 32,04' | 19° 50,74' | 94 | | | | | 12:46 | 80° 32,00' | 19° 50,74' | 75 |
| 703 | JAGO | 13 | Kapp Rubin | 09.08.2006 | 15:57 | 80° 31,93' | 19° 50,68' | 57 | 15:59 | 80° 31,77' | 19° 48,70' | 99 | 16:43 | 80° 31,77' | 19° 48,42' | 95 |
| 704-1 | DRG | 5 | Kapp Rubin | 09.08.2006 | 17:32 | 80° 31,24' | 19° 44,32' | 47 | 17:34 | 80° 31,23' | 19° 44,15' | 46 | 17:40 | 80° 31,27' | 19° 43,84' | 46 |
| 704-2 | DRG | 6 | Kapp Rubin | 09.08.2006 | 18:07 | 80° 31,22' | 19° 44,27' | 45 | 18:12 | 80° 31,22' | 19° 44,23' | 45 | 18:29 | 80° 31,44' | 19° 43,02' | 44 |
| 705 | FS | 4 | Kapp Rubin | 09.08.2006 | 19:08 | 80° 32,03' | 19° 50,76' | 81 | 19:17 | 80° 32,05' | 19° 50,75' | 87 | 19:47 | 80° 31,99' | 19° 51,40' | 27 |
| 706 | CTD | 26 | Kapp Rubin | 09.08.2006 | 20:05 | 80° 32,01' | 19° 50,77' | 71 | 20:17 | 80° 32,02' | 19° 50,78' | 62 | 20:22 | 80° 32,02' | 19° 50,77' | 81 |
| 707 | MB | 18 | Kapp Rubin | 09.08.2006 | 20:39 | 80° 31,76' | 19° 49,34' | 87 | | | | | 21:16 | 80° 32,23' | 19° 36,74' | 84 |
| 708 | MB | 19 | offshore Kapp Rubin | 09.08.2006 | 22:14 | 80° 33,89' | 18° 27,07' | 121 | | | | | 22:48 | 80° 34,36' | 18° 06,29' | 134 |
| 709-1 | CTD | 27 | North off Lågøya | 09.08.2006 | 23:16 | 80° 34,32' | 18° 12,49' | 149 | 23:29 | 80° 34,26' | 18° 12,35' | 144 | 23:34 | 80° 34,25' | 18° 12,31' | 149 |
| 709-2 | GKG | 13 | North off Lågøya | 09.08.2006 | 23:45 | 80° 34,28' | 18° 12,59' | 150 | 23:49 | 80° 34,28' | 18° 12,57' | 150 | 23:56 | 80° 34,26' | 18° 12,44' | 149 |
| 710 | MB | 20 | Kapp Rubin | 10.08.2006 | 1:54 | 80° 31,72' | 19° 39,79' | 69 | | | | | 7:55 | 80° 31,83' | 19° 39,40' | 41 |
| 711 | JAGO | 14 | Kapp Rubin | 10.08.2006 | 8:56 | 80° 31,80' | 19° 40,67' | 72 | 9:03 | 80° 31,76' | 19° 40,04' | 70 | 11:54 | 80° 31,86' | 19° 41,47' | 30 |
| 712 | LS | 8 | Kapp Rubin | 10.08.2006 | 9:02 | 80° 31,81' | 19° 40,63' | 68 | | | | | 9:22 | 80° 31,77' | 19° 40,32' | 69 |
| 713 | MB | 21 | Kapp Rubin | 10.08.2006 | 12:36 | 80° 32,09' | 19° 43,49' | 112 | | | | | 16:16 | 80° 31,76' | 19° 44,06' | 60 |
| 714 | JAGO | 15 | Kapp Rubin | 10.08.2006 | 17:02 | 80° 32,19' | 19° 50,40' | | 18:15 | 80° 31,51' | 19° 52,15' | 27 | 18:56 | 80° 31,51' | 19° 52,28' | |
| 715 | CTD | 28 | Kapp Wrede | 10.08.2006 | 22:10 | 80° 33,27' | 22° 12,99' | 228 | 22:25 | 80° 33,25' | 22° 13,29' | 218 | 22:35 | 80° 33,24' | 22° 13,47' | 226 |
| 716 | MB | 22 | Kapp Wrede | 10.08.2006 | 22:52 | 80° 33,19' | 22° 13,79' | 225 | | | | | 23:43 | 80° 31,34' | 22° 10,89' | 265 |
| 717-1 | GKG | 14 | Kapp Wrede | 11.08.2006 | 0:00 | 80° 31,28' | 22° 13,23' | 218 | 0:06 | 80° 31,29' | 22° 13,21' | 217 | 0:15 | 80° 31,30' | 22° 13,17' | 214 |
| 717-2 | SL | 12 | Kapp Wrede | 11.08.2006 | 0:39 | 80° 31,33' | 22° 13,05' | 215 | 0:43 | 80° 31,32' | 22° 13,04' | 212 | 0:53 | 80° 31,31' | 22° 13,00' | 211 |
| 718 | Excavation * | 1 | Duvefjorden | 11.08.2006 | 7:24 | 80° 14,83' | 23° 31,58' | | | | | | 14:28 | 80° 15,44' | 23° 33,72' | |
| 719 | MB | 23 | Duvefjorden | 11.08.2006 | 7:38 | 80° 16,06' | 23° 24,65' | 321 | | | | | 8:14 | 80° 19,10' | 23° 25,68' | 334 |

Station list Maria S. MERIAN No. 2 Leg 3

| Station No. | Gear | No. | Location | Date | Start | Coordinates | | | at bottom | Coordinates | | | end stat. | Coordinates | | |
|-------------|------|-----|-------------------------------|------------|------------|-------------|------------|-----------|------------|-------------|------------|-----------|------------|-------------|------------|-----------|
| | | | | | Time (UTC) | Lat. °N | Long. °E | Depth (m) | Time (UTC) | Lat. °N | Long. °E | Depth (m) | Time (UTC) | Lat. °N | Long. °E | Depth (m) |
| 720-1 | CTD | 29 | Duvefjorden | 11.08.2006 | 8:20 | 80° 18,82' | 23° 25,31' | 321 | 8:39 | 80° 18,82' | 23° 25,30' | 312 | 8:50 | 80° 18,83' | 23° 25,37' | 323 |
| 720-2 | GKG | 15 | Duvefjorden | 11.08.2006 | 8:55 | 80° 18,77' | 23° 25,26' | 320 | 9:07 | 80° 18,66' | 23° 25,06' | 312 | 9:15 | 80° 18,70' | 23° 25,21' | 318 |
| 720-3 | SL | 13 | Duvefjorden | 11.08.2006 | 9:52 | 80° 18,89' | 23° 25,91' | 322 | 9:59 | 80° 18,91' | 23° 26,03' | 326 | 10:10 | 80° 18,89' | 23° 25,91' | 323 |
| 720-4 | BG | 16 | Duvefjorden | 11.08.2006 | 10:20 | 80° 18,93' | 23° 25,14' | 312 | 10:29 | 80° 18,94' | 23° 25,19' | 312 | 10:38 | 80° 18,90' | 23° 25,25' | 317 |
| 720-5 | BG | 17 | Duvefjorden | 11.08.2006 | 10:40 | 80° 18,82' | 23° 25,25' | 317 | 10:48 | 80° 18,84' | 23° 25,27' | 319 | 10:58 | 80° 18,80' | 23° 25,46' | 322 |
| 720-6 | BG | 18 | Duvefjorden | 11.08.2006 | 10:59 | 80° 18,79' | 23° 25,50' | 322 | 11:08 | 80° 18,73' | 23° 25,68' | 321 | 11:19 | 80° 18,67' | 23° 25,96' | 316 |
| 721 | MB | 24 | Dokken | 11.08.2006 | 11:52 | 80° 15,80' | 23° 33,20' | 41 | | | | | 13:33 | 80° 15,60' | 23° 34,50' | 56 |
| 722 | FS | 5 | Duvefjorden | 11.08.2006 | 14:02 | 80° 15,34' | 23° 33,37' | 55 | 14:05 | 80° 15,31' | 23° 33,44' | 48 | 14:57 | 80° 15,79' | 23° 33,52' | 51 |
| 723 | CTD | 30 | Open shelf north off Nordkapp | 11.08.2006 | 23:59 | 81° 02,98' | 24° 00,10' | 253 | 0:17 | 81° 02,91' | 24° 00,25' | 243 | 0:32 | 81° 02,87' | 24° 00,45' | 254 |
| 724 | CTD | 31 | Nordenskiöldbukta | 12.08.2006 | 6:01 | 80° 32,02' | 22° 13,54' | 233 | 6:15 | 80° 32,05' | 22° 13,76' | 223 | 6:24 | 80° 32,06' | 22° 14,07' | 234 |
| 725 | MB | 25 | Outer Duvefjorden | 12.08.2006 | 7:51 | 80° 36,40' | 23° 21,40' | 278 | | | | | 8:18 | 80° 33,62' | 23° 25,71' | 309 |
| 726-1 | GKG | 16 | Outer Duvefjorden | 12.08.2006 | 8:33 | 80° 34,52' | 23° 25,92' | 284 | 8:42 | 80° 34,52' | 23° 26,01' | 284 | 8:52 | 80° 34,53' | 23° 26,17' | 284 |
| 726-2 | SL | 14 | Outer Duvefjorden | 12.08.2006 | 9:04 | 80° 34,56' | 23° 25,94' | 284 | 9:10 | 80° 34,57' | 23° 25,96' | 284 | 9:26 | 80° 34,57' | 23° 26,12' | 283 |
| 727 | MB | 26 | Sjuøyane (seven islands) | 12.08.2006 | 14:01 | 80° 45,97' | 19° 15,36' | 134 | | | | | 14:32 | 80° 48,89' | 19° 16,88' | 145 |
| 728-1 | GKG | 17 | Sjuøyane (seven islands) | 12.08.2006 | 15:05 | 80° 47,98' | 19° 15,15' | 158 | 15:09 | 80° 47,98' | 19° 15,22' | 157 | 15:16 | 80° 47,98' | 19° 15,28' | 156 |
| 728-2 | SL | 15 | Sjuøyane (seven islands) | 12.08.2006 | 15:23 | 80° 47,97' | 19° 15,06' | 159 | 15:31 | 80° 47,97' | 19° 15,26' | 157 | 15:39 | 80° 47,96' | 19° 15,61' | 150 |
| 729 | CTD | 32 | Lomfjorden | 13.08.2006 | 0:28 | 79° 38,00' | 18° 25,01' | 339 | 0:44 | 79° 38,00' | 18° 25,01' | 339 | 1:03 | 79° 38,00' | 18° 25,01' | 339 |
| 730 | MB | 27 | Lomfjorden | 13.08.2006 | 2:05 | 79° 33,92' | 17° 47,85' | 122 | | | | | 6:02 | 79° 34,97' | 17° 52,12' | 86 |
| 731 | JAGO | 16 | Lomfjorden | 13.08.2006 | 6:55 | 79° 34,97' | 17° 52,11' | 87 | 6:58 | 79° 35,02' | 17° 52,29' | 75 | 9:34 | 79° 34,89' | 17° 50,96' | 38 |
| 732 | LS | 9 | Lomfjorden | 13.08.2006 | 7:10 | 79° 34,97' | 17° 52,11' | 87 | | | | | 7:32 | 79° 34,97' | 17° 52,11' | 86 |
| 733 | CTD | 33 | Lomfjorden | 13.08.2006 | 9:56 | 79° 35,51' | 17° 48,01' | 133 | 10:12 | 79° 34,51' | 17° 48,01' | 133 | 10:17 | 79° 34,51' | 17° 48,01' | 133 |
| 734 | DRG | 7 | Lomfjorden | 13.08.2006 | 10:45 | 79° 34,98' | 17° 50,79' | 42 | 10:59 | 79° 34,92' | 17° 50,81' | 48 | 11:14 | 79° 34,69' | 17° 50,94' | 50 |
| 735 | FS | 6 | Lomfjorden | 13.08.2006 | 11:53 | 79° 34,80' | 17° 50,51' | 54 | 11:56 | 79° 34,80' | 17° 50,50' | 54 | 12:40 | 79° 34,80' | 17° 51,70' | 65 |
| 736 | MB | 28 | Lomfjorden | 13.08.2006 | 12:52 | 79° 35,02' | 17° 52,39' | 85 | | | | | 14:30 | 79° 41,50' | 18° 19,29' | 426 |
| 737-1 | GKG | 18 | Lomfjorden | 13.08.2006 | 14:53 | 79° 41,02' | 18° 18,06' | 417 | 15:02 | 79° 41,01' | 18° 18,07' | 417 | 15:13 | 79° 41,01' | 18° 18,07' | 418 |
| 737-2 | SL | 16 | Lomfjorden | 13.08.2006 | 15:30 | 79° 41,01' | 18° 18,07' | 418 | 15:36 | 79° 41,01' | 18° 18,07' | 418 | 15:51 | 79° 41,01' | 18° 18,07' | 418 |
| 737-3 | BG | 19 | Lomfjorden | 13.08.2006 | 15:56 | 79° 41,01' | 18° 18,07' | 418 | 16:06 | 79° 41,01' | 18° 18,07' | 418 | 16:18 | 79° 41,02' | 18° 18,07' | 418 |
| 737-4 | BG | 20 | Lomfjorden | 13.08.2006 | 16:19 | 79° 41,02' | 18° 18,07' | 418 | 16:27 | 79° 41,02' | 18° 18,07' | 418 | 16:37 | 79° 41,02' | 18° 18,07' | 418 |
| 737-5 | BG | 21 | Lomfjorden | 13.08.2006 | 16:40 | 79° 41,02' | 18° 18,07' | 418 | 16:49 | 79° 41,02' | 18° 18,07' | 418 | 16:59 | 79° 41,02' | 18° 18,07' | 418 |
| 738 | MB | 29 | Wahlbergfjorden | 13.08.2006 | 18:56 | 79° 42,30' | 20° 00,90' | 154 | | | | | 19:43 | 79° 42,92' | 20° 29,68' | 220 |
| 739-1 | CTD | 34 | Wahlbergfjorden | 13.08.2006 | 20:10 | 79° 42,62' | 20° 25,50' | 216 | 20:23 | 79° 42,62' | 20° 25,49' | 208 | 20:30 | 79° 42,62' | 20° 25,50' | 217 |
| 739-2 | GKG | 19 | Wahlbergfjorden | 13.08.2006 | 20:33 | 79° 42,62' | 20° 25,50' | 216 | 20:42 | 79° 42,62' | 20° 25,50' | 216 | 20:50 | 79° 42,62' | 20° 25,50' | 217 |
| 739-3 | SL | 17 | Wahlbergfjorden | 13.08.2006 | 20:58 | 79° 42,62' | 20° 25,49' | 217 | 21:03 | 79° 42,62' | 20° 25,50' | 217 | 21:16 | 79° 42,62' | 20° 25,50' | 217 |
| 740 | MB | 30 | Hinlopenstretet | 13.08.2006 | 22:56 | 79° 36,17' | 18° 51,71' | 336 | | | | | 4:32 | 79° 34,78' | 18° 55,24' | 81 |
| 741 | JAGO | 17 | Hinlopenstretet | 14.08.2006 | 7:01 | 79° 36,03' | 18° 52,04' | 275 | 7:06 | 79° 36,03' | 18° 52,23' | 35 | 7:40 | 79° 35,85' | 18° 51,34' | 30 |
| 742 | LS | 10 | Hinlopenstretet | 14.08.2006 | 7:16 | 79° 36,03' | 18° 52,05' | 275 | | | | | 7:31 | 79° 35,90' | 18° 52,17' | 27 |
| 743 | FS | 7 | Hinlopenstretet | 14.08.2006 | 8:40 | 79° 35,80' | 18° 52,20' | 40 | 8:45 | 79° 35,80' | 18° 52,20' | 39 | 9:38 | 79° 36,00' | 18° 51,80' | 240 |
| 744-1 | BG | 22 | Southern Hinlopenstretet | 14.08.2006 | 12:59 | 79° 14,16' | 20° 53,38' | 79 | 13:07 | 79° 14,16' | 20° 53,38' | 79 | 13:13 | 79° 14,16' | 20° 53,38' | 79 |
| 744-2 | BG | 23 | Southern Hinlopenstretet | 14.08.2006 | 13:15 | 79° 14,16' | 20° 53,37' | 79 | 13:18 | 79° 14,16' | 20° 53,37' | 79 | 13:24 | 79° 14,16' | 20° 53,33' | 79 |
| 744-3 | BG | 24 | Southern Hinlopenstretet | 14.08.2006 | 13:25 | 79° 14,16' | 20° 53,33' | 79 | 13:29 | 79° 14,16' | 20° 53,29' | 79 | 13:34 | 79° 14,15' | 20° 53,19' | 79 |
| 744-4 | CTD | 35 | Southern Hinlopenstretet | 14.08.2006 | 14:05 | 79° 14,16' | 20° 53,37' | 79 | 14:13 | 79° 14,15' | 20° 53,38' | 71 | 14:17 | 79° 14,16' | 20° 53,37' | 79 |
| 745 | MB | 31 | Eriksenstretet | 14.08.2006 | 19:07 | 79° 01,80' | 24° 31,67' | 183 | | | | | 19:39 | 78° 57,90' | 24° 37,60' | 210 |
| 746-1 | CTD | 36 | Eriksenstretet | 14.08.2006 | 20:05 | 78° 59,21' | 24° 35,86' | 209 | 20:18 | 78° 59,21' | 24° 35,84' | 196 | 20:29 | 78° 59,21' | 24° 35,83' | 208 |
| 746-2 | GKG | 20 | Eriksenstretet | 14.08.2006 | 20:33 | 78° 59,21' | 24° 35,83' | 208 | 20:40 | 78° 59,21' | 24° 35,83' | 208 | 20:49 | 78° 59,21' | 24° 35,83' | 208 |
| 746-3 | SL | 18 | Eriksenstretet | 14.08.2006 | 20:58 | 78° 59,21' | 24° 35,83' | 208 | 21:03 | 78° 59,21' | 24° 35,83' | 208 | 21:23 | 78° 59,21' | 24° 35,83' | 208 |
| 746-4 | BG | 25 | Eriksenstretet | 14.08.2006 | 21:28 | 78° 59,21' | 24° 35,83' | 208 | 21:33 | 78° 59,21' | 24° 35,83' | 208 | 21:40 | 78° 59,21' | 24° 35,83' | 208 |
| 746-5 | BG | 26 | Eriksenstretet | 14.08.2006 | 21:41 | 78° 59,21' | 24° 35,83' | 208 | 21:46 | 78° 59,21' | 24° 35,83' | 208 | 21:51 | 78° 59,21' | 24° 35,83' | 208 |
| 746-6 | BG | 27 | Eriksenstretet | 14.08.2006 | 21:54 | 78° 59,21' | 24° 35,83' | 208 | 22:00 | 78° 59,21' | 24° 35,83' | 208 | 22:06 | 78° 59,21' | 24° 35,83' | 208 |

Station list Maria S. MERIAN No. 2 Leg 3

| Station No. | Gear | No. | Location | Date | Start | Coordinates | | | at bottom | Coordinates | | | end stat. | Coordinates | | |
|-------------|------|-----|----------------|------------|------------|-------------|------------|-----------|------------|-------------|------------|-----------|------------|-------------|------------|-----------|
| | | | | | Time (UTC) | Lat. °N | Long. °E | Depth (m) | Time (UTC) | Lat. °N | Long. °E | Depth (m) | Time (UTC) | Lat. °N | Long. °E | Depth (m) |
| 746-7 | BG | 28 | Eriksenstretet | 14.08.2006 | 22:09 | 78° 59,21' | 24° 35,83' | 208 | 22:13 | 78° 59,21' | 24° 35,83' | 208 | 22:20 | 78° 59,21' | 24° 35,83' | 208 |
| 747-1 | BG | 29 | Barents Sea | 15.08.2006 | 0:23 | 79° 13,10' | 25° 51,28' | 193 | 0:27 | 79° 13,10' | 25° 51,27' | 193 | 0:33 | 79° 13,10' | 25° 51,28' | 193 |
| 747-2 | BG | 30 | Barents Sea | 15.08.2006 | 0:36 | 79° 13,10' | 25° 51,27' | 193 | 0:41 | 79° 13,10' | 25° 51,27' | 193 | 0:46 | 79° 13,10' | 25° 51,27' | 193 |
| 747-3 | BG | 31 | Barents Sea | 15.08.2006 | 0:50 | 79° 13,10' | 25° 51,27' | 193 | 0:54 | 79° 13,10' | 25° 51,28' | 193 | 1:00 | 79° 13,10' | 25° 51,28' | 193 |
| 747-4 | CTD | 37 | Barents Sea | 15.08.2006 | 1:23 | 79° 13,10' | 25° 51,28' | 193 | 1:35 | 79° 13,10' | 25° 51,27' | 187 | 1:47 | 79° 13,10' | 25° 51,27' | 193 |
| 748-1 | CTD | 38 | Barents Sea | 15.08.2006 | 4:24 | 78° 46,03' | 25° 08,28' | 123 | 4:35 | 78° 46,03' | 25° 08,29' | 112 | 4:40 | 78° 46,03' | 25° 08,28' | 123 |
| 748-2 | BG | 32 | Barents Sea | 15.08.2006 | 4:54 | 78° 46,03' | 25° 08,28' | 123 | 4:58 | 78° 46,03' | 25° 08,29' | 123 | 5:02 | 78° 46,03' | 25° 08,28' | 123 |
| 748-3 | BG | 33 | Barents Sea | 15.08.2006 | 5:04 | 78° 46,03' | 25° 08,28' | 123 | 5:07 | 78° 46,03' | 25° 08,29' | 123 | 5:11 | 78° 46,03' | 25° 08,29' | 123 |
| 748-4 | BG | 34 | Barents Sea | 15.08.2006 | 5:13 | 78° 46,03' | 25° 08,29' | 123 | 5:15 | 78° 46,03' | 25° 08,29' | 123 | 5:20 | 78° 46,03' | 25° 08,28' | 123 |
| 748-5 | BG | 35 | Barents Sea | 15.08.2006 | 5:21 | 78° 46,03' | 25° 08,28' | 123 | 5:24 | 78° 46,03' | 25° 08,29' | 123 | 5:28 | 78° 46,03' | 25° 08,28' | 123 |
| 749-1 | BG | 36 | Barents Sea | 15.08.2006 | 7:44 | 78° 23,14' | 24° 44,45' | 138 | 7:50 | 78° 23,14' | 24° 44,45' | 138 | 7:54 | 78° 23,14' | 24° 44,45' | 138 |
| 749-2 | BG | 37 | Barents Sea | 15.08.2006 | 7:55 | 78° 23,14' | 24° 44,45' | 138 | 7:59 | 78° 23,14' | 24° 44,45' | 138 | 8:02 | 78° 23,14' | 24° 44,45' | 138 |
| 749-3 | BG | 38 | Barents Sea | 15.08.2006 | 8:04 | 78° 23,14' | 24° 44,45' | 138 | 8:07 | 78° 23,14' | 24° 44,45' | 138 | 8:11 | 78° 23,14' | 24° 44,45' | 138 |
| 749-4 | BG | 39 | Barents Sea | 15.08.2006 | 8:13 | 78° 23,14' | 24° 44,49' | 138 | 8:16 | 78° 23,14' | 24° 44,45' | 138 | 8:19 | 78° 23,14' | 24° 44,45' | 138 |
| 749-5 | CTD | 39 | Barents Sea | 15.08.2006 | 8:33 | 78° 23,14' | 24° 44,45' | 138 | 8:44 | 78° 23,14' | 24° 44,45' | 127 | 8:48 | 78° 23,14' | 24° 44,45' | 138 |
| 750-1 | CTD | 40 | Barents Sea | 15.08.2006 | 12:10 | 78° 16,19' | 27° 11,71' | 312 | 12:28 | 78° 16,19' | 27° 11,71' | 298 | 12:36 | 78° 16,19' | 27° 11,71' | 312 |
| 750-2 | GKG | 21 | Olgastretet | 15.08.2006 | 12:50 | 78° 16,19' | 27° 11,70' | 312 | 12:57 | 78° 16,19' | 27° 11,70' | 312 | 13:07 | 78° 16,19' | 27° 11,70' | 312 |
| 750-3 | BG | 40 | Olgastretet | 15.08.2006 | 13:17 | 78° 16,19' | 27° 11,71' | 312 | 13:25 | 78° 16,19' | 27° 11,70' | 313 | 13:34 | 78° 16,19' | 27° 11,70' | 312 |
| 750-4 | BG | 41 | Olgastretet | 15.08.2006 | 13:55 | 78° 16,19' | 27° 11,71' | 312 | 13:42 | 78° 16,19' | 27° 11,70' | 312 | 13:51 | 78° 16,19' | 27° 11,70' | 312 |
| 750-5 | BG | 42 | Olgastretet | 15.08.2006 | 13:52 | 78° 16,19' | 27° 11,70' | 312 | 14:00 | 78° 16,19' | 27° 11,70' | 312 | 14:09 | 78° 16,19' | 27° 11,70' | 312 |
| 750-6 | BG | 43 | Olgastretet | 15.08.2006 | 14:11 | 78° 16,19' | 27° 11,70' | 312 | 14:18 | 78° 16,19' | 27° 11,70' | 312 | 14:27 | 78° 16,19' | 27° 11,70' | 312 |
| 751 | CTD | 41 | Hornsund | 16.08.2006 | 11:52 | 76° 58,53' | 15° 44,07' | 234 | 12:05 | 76° 58,53' | 15° 44,07' | 230 | 12:16 | 76° 58,53' | 15° 44,07' | 234 |
| 752 | MB | 32 | Hornsund | 16.08.2006 | 13:08 | 76° 57,69' | 15° 47,16' | 210 | | | | | 13:57 | 76° 57,24' | 15° 46,51' | |
| 753 | JAGO | 18 | Hornsund | 16.08.2006 | 14:58 | 76° 57,18' | 15° 44,29' | 97 | 15:01 | 76° 57,14' | 15° 44,30' | 88 | 17:58 | 76° 57,20' | 15° 45,21' | 51 |
| 754 | LS | 11 | Hornsund | 16.08.2006 | 15:18 | 76° 57,18' | 15° 44,29' | 98 | | | | | 15:34 | 76° 57,16' | 15° 44,49' | 79 |
| 755 | FS | 8 | Hornsund | 16.08.2006 | 18:25 | 76° 57,18' | 15° 45,01' | 39 | 18:28 | 76° 57,18' | 15° 45,01' | 40 | 19:12 | 76° 57,18' | 15° 44,32' | 96 |
| 756 | MB | 33 | Isfjorden | 17.08.2006 | 8:17 | 78° 18,30' | 14° 34,32' | 127 | | | | | 8:58 | 78° 18,86' | 14° 31,94' | 54 |
| 757 | JAGO | 19 | Isfjorden | 17.08.2006 | 10:30 | 78° 18,64' | 14° 32,00' | 63 | 10:34 | 78° 18,68' | 14° 31,97' | 60 | 12:34 | 78° 18,74' | 14° 31,22' | 40 |