

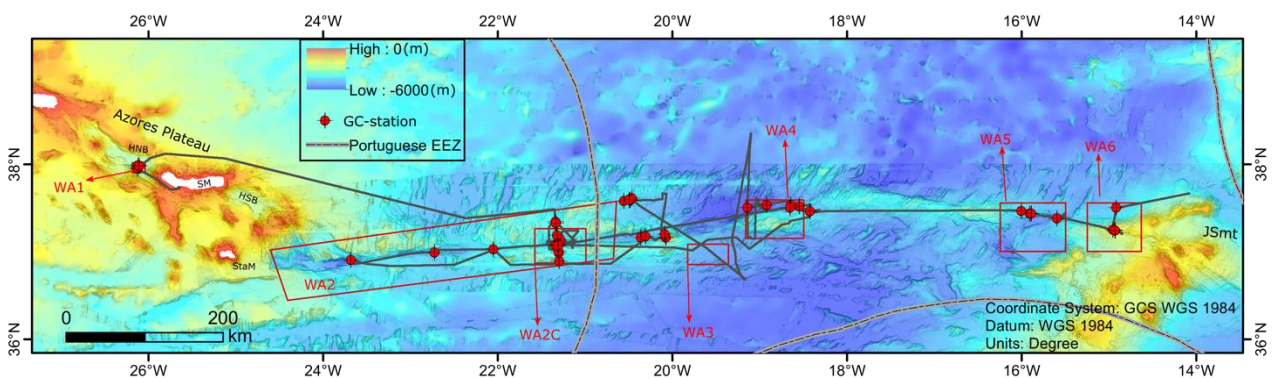
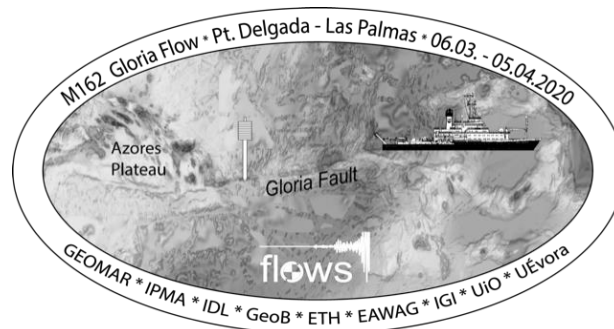
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Short Cruise Report Meteor M162

Ponta Delgada - Emden
06.03.2020 – 10.04.2020

Chief Scientist: Dr. Christian Hensen
Captain: Detlef Korte



Cruise track and working areas (WA 1-6) of M162. Red dots represent coring stations.

Objectives

The overarching aim of cruise M162 was to find out if seismically active oceanic fracture zones like the Gloria Fault are places of active fluid circulation that could represent a link between fluid flow processes between mid-ocean ridges and continental margins. The verification of active fluid flow along the Gloria Fault is relevant with respect to (i) the relationship between fluid flow and seismic activity, (ii) the spread of (chemoautotrophic) ecosystems in the abyssal ocean, (iii) the control of fluids on the strength of the fault interfaces, and/or (iv) the role of fluids in triggering or supporting high magnitude fracture zone earthquakes. Specifically, the following key tasks were to (i) find out if there are sites of active fluid discharge along the Gloria Fault (and more general along transform faults and oceanic fracture zones) and (ii) to constrain the origin of the fluids and decipher processes involved, (iii) search for evidence for ongoing serpentinization, (iv) find indications for existing deep-sea chemoautotrophic ecosystems along the fault system, and (v) analyse the sedimentary record with respect to paleo-seismic events.

Narrative

On March 5, 2020 an international group of 25 scientists arrived on RV Meteor in Ponta Delgada. The collaborating group was formed by members of the GEOMAR Helmholtz-Centre for Ocean Research Kiel, the Faculty of Geosciences at Bremen University, the IPMA in Lisbon, the Dom Luiz Institute at the Faculty of Sciences of the University of Lisbon, at Lisbon University, the University of Évora (Portugal), the ETH Zürich, the EAWAG Dübendorf (Switzerland), the IGI Ltd. Bideford (UK), and the CEED at Oslo University. This first day onboard was used to set up laboratories and prepare all scientific equipment. Unfortunately, due to a severe damage of the AUV "Abyss" that occurred on cruise AL532 this cruise had to be conducted without AUV and team members.

RV Meteor departed from Ponta Delgada in the morning of March 6, 2020. After a transit of only 3 hours Meteor reached the first working area (WA) 1 located in the Hironnelle Basin between the islands Sao Miguel and Terceira. This WA was added to the initial plan as findings made during a previous Meteor cruise suggested the existence of active fluid discharge at the seafloor in this area, hence providing a direct link to the proposed work. Within 48 hours we carried out surveys with Multibeam/Parasound (MB/PS) and the video-guided CTD (VCTD), conducted a heat flow (HF) transect across previous coring locations, and sampled sediments by gravity corer (GC) and video-multicorer (VMUC).

Around midday on the 8th of March, we started a transit of about 240 NM to the central working area WA2. Here, all investigations could fortunately be based on available seismic information collected during M79. Station work in this area started on March 9 with a long MB/PS survey following the main N-S seismic line recorded on M79. Until March 15 this area was intensely investigated with alternating program of HF- and VCTD-surveys as well as GC and VMUC deployments.

In the night of the 16th of March, we left the central WA2 for a systematic continuation of a set of gravity cores along the major fault trace, which was commenced during Meteor cruise M141. Within 2 days we conducted 3 MB/PS-surveys, 1 HF-profile and 3 GC-deployments up to ~22°40'W.

In the night of the 18th of March, we left the western part of WA2 and headed east to the

end of the major trace of the Gloria Fault at about $\sim 20^{\circ}20' - 20^{\circ}05'W$. In this area, station work was carried out for 2 days, including MB/PS-surveys, one HF-profile and several GC-deployments.

In the night of the 20th of March, we started a combined transit and MB/PS-survey to WA3. Station work in WA3, again including MB/PS- and HF-surveys as well as GC-deployments, was carried out for 2 days. Video-guided instruments could not be used due to increasingly rough weather conditions.

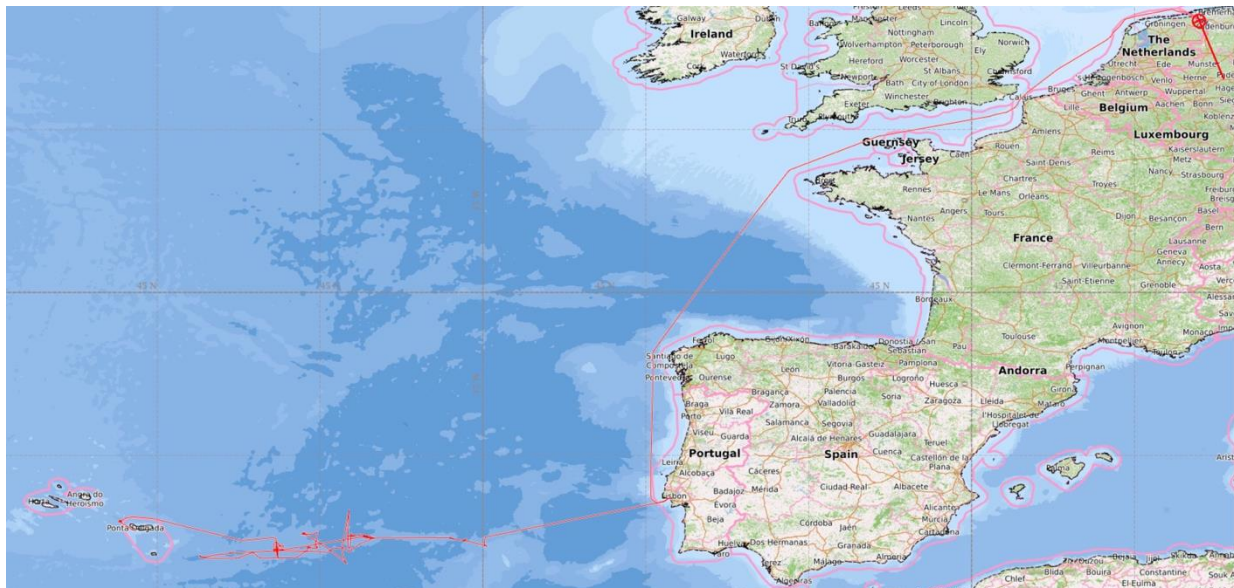
In the night of the 22nd of March, the planned transit to WA4 had to be dropped because of bad weather conditions, which lasted for the whole day and made it impossible to carry out any useful station work. In the morning of the 23rd of March, station work could finally be resumed in WA4. Investigations in this area were carried out until the 26th of March in the morning.

Again, rough weather conditions made it impossible to continue useful station work thereafter during this day. The time was used for a transit back to the central WA2, where a number of GCs were retrieved and another HF-profile was carried out in order to fill some gaps in the data set within the next 2 days.

In the night of the 29th of March, we started the longer transit to WA5, with another stopover in WA4, where again some data gaps were filled by GC-coring and a short HF-survey.

WA5 was reached on the 30th of March. Station work in this area was conducted until April 1, 2020, which again had to be interrupted on March 31 due to bad weather conditions.

In the early morning of the 2nd of April we arrived in the last working area (WA6). Fortunately, weather conditions finally allowed for the deployment of all gears. Station work had to be resumed in the night of the 4th of April to allow for a timely arrival in Lisbon in the morning of the 5th of April, 2020. Due to the Corona-Virus Pandemic, the subsequent cruise M163 had been cancelled and Meteor was recalled to Germany, instead of calling at Las Palmas (Canary Islands). The stopover in Lisbon was used to disembark 6 scientists based in Portugal and 1 in Croatia. The final transit with destination Emden was used for packing of the equipment, final analyses and data evaluation. RV Meteor moored after a successful cruise in Emden at about 14:00 on the 10th of April.



Overall track chart of R/V Meteor cruise M162.

In addition to the scientific work performed during M162, specific measures were taken with respect to sustainable ocean research. On request of the Foreign Ministry of Portugal, the Parasound system was only used for station work, but not on transits between working areas within the Portuguese EEZ. In addition, when using the Parasound system a whale-observation team (H. Adao, K. Sroczynska) was operating on the bridge during daytime. In one instance, a Parasound survey had to be interrupted due to the sight of whales.

Acknowledgements

The scientific party of M162 is indebted to captain Detlef Korte and the crew of RV Meteor for their highly professional and always reliable support during the whole cruise. It was a pleasure working in this friendly atmosphere during the entire duration of the expedition. For financial support, we wish to thank the German Science foundation (DFG) and GEOMAR Helmholtz-Zentrum für Ozeanforschung Kiel.

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| 14) | Jan-Niklas Schmidt | Heat Flow | GeoB |
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Stationsliste

| Date UTC | St. No. M162 | St. No Meteor | Instrument | Time (UTC) | | | | | Begin / on seafloor | | End / off seafloor | |
|-------------|-----------------|------------------|------------|------------|-----------------------|---------------------|-------|-------------------|---------------------|-----------------|--------------------|-----------------|
| | | | | Begin | Start Sci. Program | End Sci. Program | End | Duration hh:mm | Latitude N° | Longitude W° | Latitude N° | Longitude W° |
| 06.03.20 | 1 | M162_1-1_MB_PS | MB/PS-1 | 13:00 | 13:00 | 19:30 | 19:30 | 07:30 | 37°55.801 | 026°06.147 | 37°57.912 | 026°04.523 |
| 06.03.20 | 2 | M162_2-1 HF | HF-1 | 21:10 | 22:05 | 06:37 | 07:43 | 10:33 | 37°58.907 | 026°04.227 | 37°57.363 | 026°06.505 |
| 06.03.20 | 2.1 | M162_2-1 HF | HF-1 | - | 22:05 | 22:21 | - | 00:16 | 37°58.880 | 026°04.224 | 37°58.880 | 026°04.224 |
| 06.03.20 | 2.2 | M162_2-1 HF | HF-1 | - | 23:03 | 23:19 | - | 00:16 | 37°58.721 | 026°04.459 | 37°58.721 | 026°04.459 |
| 07.03.20 | 2.3 | M162_2-1 HF | HF-1 | - | 00:03 | 00:19 | - | 00:16 | 37°58.560 | 026°04.710 | 37°58.560 | 026°04.707 |
| 07.03.20 | 2.4 | M162_2-1 HF | HF-1 | - | 01:02 | 01:10 | - | 00:08 | 37°58.411 | 026°04.947 | 37°58.411 | 026°04.947 |
| 07.03.20 | 2.5 | M162_2-1 HF | HF-1 | - | 01:49 | 02:05 | - | 00:16 | 37°58.250 | 026°05.181 | 37°58.251 | 026°05.184 |
| 07.03.20 | 2.6 | M162_2-1 HF | HF-1 | - | 02:45 | 02:53 | - | 00:08 | 37°58.087 | 026°05.422 | 37°58.086 | 026°05.420 |
| 07.03.20 | 2.7 | M162_2-1 HF | HF-1 | - | 03:26 | 03:42 | - | 00:16 | 37°57.986 | 026°05.586 | 37°57.987 | 026°05.588 |
| 07.03.20 | 2.8 | M162_2-1 HF | HF-1 | - | 04:21 | 04:28 | - | 00:07 | 37°57.831 | 026°05.769 | 37°57.831 | 026°05.797 |
| 07.03.20 | 2.9 | M162_2-1 HF | HF-1 | - | 05:04 | 05:20 | - | 00:16 | 37°57.687 | 026°06.047 | 37°57.687 | 026°06.047 |
| 07.03.20 | 2.10 | M162_2-1 HF | HF-1 | - | 06:21 | 06:37 | - | 00:16 | 37°57.362 | 026°06.505 | 37°57.363 | 026°06.505 |
| 07.03.20 | 3 | M162_3-1 GC | GC-1 | 08:44 | 09:55 | 09:57 | 10:50 | 02:06 | 37°57.200 | 026°07.513 | 37°57.198 | 026°07.513 |
| 07.03.20 | 4 | M162_4-1 GC | GC-2 | 11:46 | 12:34 | 12:36 | 13:27 | 01:41 | 37°59.401 | 026°07.124 | 37°59.400 | 026°07.124 |
| 07.03.20 | 5 | M162_5-1 GC | GC-3 | 14:05 | 14:51 | 14:53 | 15:59 | 01:54 | 37°58.852 | 026°06.467 | 37°58.858 | 026°06.488 |
| 07.03.20 | 6 | M162_6-1 CTD | V-CTD-1 | 19:00 | 21:00 | 01:04 | 03:55 | 08:55 | 37°58.048 | 026°05.252 | 37°57.533 | 026°06.234 |
| 08.03.20 | 7 | M162_7-1 TVMUC | V-MUC-1 | 08:12 | 09:27 | 12:11 | 13:31 | 05:19 | 37°58.048 | 026°05.320 | 37°58.480 | 026°06.433 |
| 09.03.20 | 8 | M162_8-1_MB_PS | MB/PS-2 | 11:26 | 11:26 | 18:55 | 18:55 | 07:29 | 37°28.698 | 021°21.120 | 36°52.640 | 021°17.196 |
| 09.03.20 | 9 | M162_9-1 HF | HF-2 | 20:35 | 21:49 | 08:26 | 09:28 | 12:53 | 37°04.363 | 021°18.709 | 37°09.673 | 021°19.164 |

| | | | | | Time (UTC) | | | | Begin / on seafloor | | End / off seafloor | |
|-------------|-----------------|--------------------|------------|-------|-----------------------|---------------------|-------|-------------------|---------------------|-----------------|--------------------|-----------------|
| Date UTC | St. No. M162 | St. No Meteor | Instrument | Begin | Start Sci. Program | End Sci. Program | End | Duration hh:mm | Latitude N° | Longitude W° | Latitude N° | Longitude W° |
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| 09.03.20 | 9.2 | M162_9-1 HF | HF-2 | - | 22:48 | 23:05 | - | 00:17 | 37°04.755 | 021°18.736 | 37°04.760 | 021°18.737 |
| 09.03.20 | 9.3 | M162_9-1 HF | HF-2 | - | 23:59 | 00:16 | - | 00:17 | 37°05.187 | 021°18.783 | 37°05.187 | 021°18.782 |
| 10.03.20 | 9.4 | M162_9-1 HF | HF-2 | - | 01:23 | 01:39 | - | 00:16 | 37°05.905 | 021°18.826 | 37°05.905 | 021°18.826 |
| 10.03.20 | 9.5 | M162_9-1 HF | HF-2 | - | 02:51 | 02:59 | - | 00:08 | 37°06.711 | 021°18.875 | 37°06.711 | 021°18.873 |
| 10.03.20 | 9.6 | M162_9-1 HF | HF-2 | - | 04:04 | 04:19 | - | 00:15 | 37°07.271 | 021°18.935 | 37°07.271 | 021°18.935 |
| 10.03.20 | 9.7 | M162_9-1 HF | HF-2 | - | 05:51 | 05:59 | - | 00:08 | 37°08.141 | 021°18.990 | 37°08.141 | 021°18.987 |
| 10.03.20 | 9.8 | M162_9-1 HF | HF-2 | - | 08:10 | 08:26 | - | 00:16 | 37°09.673 | 021°19.169 | 37°09.673 | 021°19.167 |
| 10.03.20 | 10 | M162_10-1 TVMUC | V-MUC-2 | 10:40 | 12:20 | 15:59 | 17:09 | 06:29 | 37°18.246 | 021°20.076 | 37°19.659 | 021°20.209 |
| 10.03.20 | 11 | M162_11-1 CTD | V-CTD-2 | 17:46 | 20:13 | 22:55 | 02:15 | 08:31 | 37°19.658 | 021°20.207 | 37°20.952 | 021°20.324 |
| 11.03.20 | 12 | M162_12-1 HF | HF-3 | 02:33 | 03:38 | 03:46 | 08:38 | 06:05 | 37°20.953 | 021°20.324 | 37°20.849 | 021°20.292 |
| 11.03.20 | 12.1 | M162_12-1 HF | HF-3 | - | 03:38 | 03:46 | - | 00:08 | 37°20.952 | 021°20.326 | 37°20.952 | 021°20.326 |
| 11.03.20 | 13 | M162_13-1 MB_PS | MB/PS-3 | 10:05 | 10:05 | 19:36 | 19:36 | 09:31 | 37°15.802 | 021°24.936 | 37°09.349 | 021°08.778 |
| 11.03.20 | 14 | M162_14-1 HF | HF-4 | 21:40 | 23:05 | 07:21 | 08:50 | 11:10 | 37°20.846 | 021°20.286 | 37°18.029 | 021°20.331 |
| 11.03.20 | 14.1 | M162_14-1 HF | HF-4 | - | 23:05 | 23:12 | - | 00:07 | 37°20.847 | 021°20.284 | 37°20.847 | 021°20.284 |
| 12.03.20 | 14.2 | M162_14-1 HF | HF-4 | - | 00:39 | 00:56 | - | 00:17 | 37°20.212 | 021°20.245 | 37°20.212 | 021°20.245 |
| 12.03.20 | 14.3 | M162_14-1 HF | HF-4 | - | 02:16 | 02:24 | - | 00:08 | 37°19.790 | 021°20.206 | 37°19.788 | 021°20.207 |
| 12.03.20 | 14.4 | M162_14-1 HF | HF-4 | - | 03:21 | 03:37 | - | 00:16 | 37°19.375 | 021°20.178 | 37°19.376 | 021°20.176 |
| 12.03.20 | 14.5 | M162_14-1 HF | HF-4 | - | 04:26 | 04:42 | - | 00:16 | 37°18.972 | 021°20.146 | 37°18.971 | 021°20.145 |
| 12.03.20 | 14.6 | M162_14-1 HF | HF-4 | - | 05:45 | 06:02 | - | 00:17 | 37°18.415 | 021°20.083 | 37°18.416 | 021°20.082 |

| Date UTC | St. No. M162 | St. No Meteor | Instrument | Time (UTC) | | | | | Begin / on seafloor | | End / off seafloor | |
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| 12.03.20 | 14.7 | M162_14-1 HF | HF-4 | - | 07:04 | 07:21 | - | 00:17 | 37°18.031 | 021°20.330 | 37°18.031 | 021°20.329 |
| 12.03.20 | 15 | M162_15-1 GC | GC-4 | 11:07 | 12:17 | 12:19 | 13:31 | 02:24 | 37°20.647 | 021°20.327 | 37°20.611 | 021°20.362 |
| 12.03.20 | 16 | M162_16-1 GC | GC-5 | 14:09 | 15:17 | 15:20 | 16:40 | 02:31 | 37°19.711 | 021°20.239 | 37°19.711 | 021°20.239 |
| 12.03.20 | 17 | M162_17-1 GC | GC-6 | 18:34 | 19:52 | 19:54 | 21:23 | 02:49 | 37°04.541 | 021°18.818 | 37°04.444 | 021°18.736 |
| 12.03.20 | 18 | M162_18-1 MB_PS | MB/PS-4 | 22:28 | 22:28 | 07:12 | 07:12 | 08:44 | 37°06.417 | 021°21.886 | 37°05.244 | 021°25.764 |
| 13.03.20 | 19 | M162_19-1 GC | GC-7 | 09:15 | 10:32 | 10:34 | 12:14 | 02:59 | 37°08.145 | 021°16.855 | 37°08.146 | 021°16.861 |
| 13.03.20 | 20 | M162_20-1 GC | GC-8 | 13:09 | 14:26 | 14:28 | 15:48 | 02:39 | 37°04.431 | 021°18.772 | 37°04.446 | 021°18.743 |
| 13.02.20 | 21 | M162_21-1 GC | GC-9 | 17:24 | 18:32 | 18:34 | 19:49 | 02:04 | 36°53.793 | 021°17.742 | 36°53.782 | 021°17.719 |
| 13.03.20 | 22 | M162_22-1 HF | HF-5 | 21:55 | 23:05 | 09:18 | 10:45 | 12:50 | 36°59.108 | 021°18.082 | 37°04.435 | 021°18.721 |
| 13.03.20 | 22.1 | M162_22-1 HF | HF-5 | - | 23:05 | 23:14 | - | 00:09 | 36°59.107 | 021°18.085 | 36°59.107 | 021°18.083 |
| 14.03.20 | 22.2 | M162_22-1 HF | HF-5 | - | 00:47 | 01:04 | - | 00:17 | 37°00.146 | 021°18.221 | 37°00.146 | 021°18.220 |
| 14.03.20 | 22.3 | M162_22-1 HF | HF-5 | - | 01:43 | 01:59 | - | 00:16 | 37°00.469 | 021°18.260 | 37°00.469 | 021°18.262 |
| 14.03.20 | 22.4 | M162_22-1 HF | HF-5 | - | 02:41 | 02:49 | - | 00:08 | 37°00.790 | 021°18.318 | 37°00.790 | 021°18.319 |
| 14.03.20 | 22.5 | M162_22-1 HF | HF-5 | - | 03:45 | 04:01 | - | 00:16 | 37°01.337 | 021°18.391 | 37°01.338 | 021°18.390 |
| 14.03.20 | 22.6 | M162_22-1 HF | HF-5 | - | 05:03 | 05:11 | - | 00:08 | 37°01.914 | 021°18.464 | 37°01.914 | 021°18.466 |
| 14.03.20 | 22.7 | M162_22-1 HF | HF-5 | - | 09:02 | 09:18 | - | 00:16 | 37°04.436 | 021°18.719 | 37°04.435 | 021°18.435 |
| 14.03.20 | 23 | M162_23-1 GC | GC-10 | 11:36 | 12:50 | 12:52 | 14:19 | 02:43 | 37°04.604 | 021°20.282 | 37°04.592 | 021°20.269 |
| 14.03.20 | 24 | M162_24-1 CTD | V-CTD-3 | 16:27 | 19:25 | 23:19 | 01:59 | 09:32 | 37°03.525 | 021°18.734 | 37°05.121 | 021°18.729 |
| 15.03.20 | 25 | M162_25-1 HF | HF-6 | 03:10 | 04:20 | 07:46 | 09:05 | 05:55 | 37°09.764 | 021°19.221 | 37°11.696 | 021°19.443 |
| 15.03.20 | 25.1 | M162_25-1 HF | HF-6 | - | 04:20 | 04:37 | - | 00:17 | 37°09.763 | 021°19.242 | 37°09.763 | 021°19.243 |

| Date UTC | St. No. M162 | St. No Meteor | Instrument | Time (UTC) | | | | | Begin / on seafloor | | End / off seafloor | |
|-------------|-----------------|--------------------|------------|------------|-----------------------|---------------------|-------|-------------------|---------------------|-----------------|--------------------|-----------------|
| | | | | Begin | Start Sci. Program | End Sci. Program | End | Duration hh:mm | Latitude N° | Longitude W° | Latitude N° | Longitude W° |
| 15.03.20 | 25.2 | M162_25-1 HF | HF-6 | - | 05:47 | 05:55 | - | 00:08 | 37°10.568 | 021°19.332 | 37°10.566 | 021°19.332 |
| 15.03.20 | 25.3 | M162_25-1 HF | HF-6 | - | 07:29 | 07:46 | - | 00:17 | 37°11.697 | 021°19.443 | 37°11.697 | 021°19.444 |
| 15.03.20 | 26-1 | M162_26-1 CTD | V-CTD-4-1 | 10:33 | - | - | 13:38 | 03:05 | 37°04.589 | 021°17.312 | 37°04.591 | 021°17.313 |
| 15.03.20 | 26-2 | M162_26-2 CTD | V-CTD-4-2 | 14:43 | 17:16 | 21:04 | 02:25 | 11:42 | 37°04.590 | 021°17.314 | 37°04.571 | 021°18.809 |
| 16.03.20 | 27 | M162_27-1 MB_PS | MB/PS-5 | 05:46 | 05:46 | 06:25 | 06:25 | 00:39 | 37°02.343 | 022°00.351 | 37°01.725 | 022°04.225 |
| 16.03.20 | 28 | M162_28-1 MB_PS | MB/PS-6 | 09:13 | 09:13 | 11:32 | 11:32 | 02:19 | 37°01.201 | 022°40.491 | 37°01.325 | 022°44.197 |
| 16.03.20 | 29 | M162_29-1 GC | GC-11 | 12:25 | 13:44 | 13:45 | 15:14 | 02:49 | 36°59.472 | 022°43.585 | 36°59.473 | 022°43.583 |
| 16.03.20 | 30 | M162_30-1 MB_PS | MB/PS-7 | 19:29 | 19:29 | 22:12 | 22:12 | 02:43 | 36°52.036 | 023°34.956 | 36°54.506 | 023°39.403 |
| 16.03.20 | 31 | M162_31-1 HF | HF-7 | 22:46 | 00:08 | 05:49 | 07:20 | 08:36 | 36°53.700 | 023°40.867 | 36°55.267 | 023°41.233 |
| 17.03.20 | 31.1 | M162_31-1 HF | HF-7 | - | 00:08 | 00:24 | - | 00:16 | 36°53.700 | 023°40.867 | 36°53.700 | 023°40.867 |
| 17.03.20 | 31.2 | M162_31-1 HF | HF-7 | - | 01:02 | 01:10 | - | 00:08 | 36°53.938 | 023°40.925 | 36°53.938 | 023°40.925 |
| 17.03.20 | 31.3 | M162_31-1 HF | HF-7 | - | 01:47 | 02:04 | - | 00:17 | 36°54.177 | 023°40.982 | 36°54.177 | 023°40.982 |
| 17.03.20 | 31.4 | M162_31-1 HF | HF-7 | - | 02:49 | 03:05 | - | 00:16 | 36°54.479 | 023°41.042 | 36°54.479 | 023°41.042 |
| 17.03.20 | 31.5 | M162_31-1 HF | HF-7 | - | 03:39 | 03:56 | - | 00:17 | 36°54.727 | 023°41.133 | 36°54.727 | 023°41.133 |
| 17.03.20 | 31.6 | M162_31-1 HF | HF-7 | - | 04:43 | 04:51 | - | 00:08 | 36°55.023 | 023°41.171 | 36°55.023 | 023°41.171 |
| 17.03.20 | 31.7 | M162_31-1 HF | HF-7 | - | 05:33 | 05:49 | - | 00:16 | 36°55.322 | 023°41.231 | 36°55.322 | 023°41.230 |
| 17.03.20 | 32 | M162_32-1 GC | GC-12 | 07:41 | 09:06 | 09:07 | 10:29 | 02:48 | 36°54.458 | 023°41.117 | 36°54.459 | 023°41.116 |
| 17.03.20 | 33 | M162_33-1 GC | GC-13 | 19:21 | 20:32 | 20:33 | 22:01 | 02:40 | 37°01.749 | 022°03.178 | 37°01.749 | 022°03.169 |
| 18.03.20 | 34 | M162_34-1 MB_PS | MB/PS-8 | 07:53 | 07:53 | 11:21 | 11:21 | 03:28 | 37°05.480 | 020°22.702 | 37°09.856 | 020°23.178 |
| 18.03.20 | 35 | M162_35-1 GC | GC-14 | 12:13 | 13:33 | 13:34 | 15:27 | 03:14 | 37°09.949 | 020°21.790 | 37°09.976 | 020°21.854 |

| | | | | | Time (UTC) | | | | Begin / on seafloor | | End / off seafloor | |
|-------------|-----------------|--------------------|------------|-------|-----------------------|---------------------|-------|-------------------|---------------------|-----------------|--------------------|-----------------|
| Date UTC | St. No. M162 | St. No Meteor | Instrument | Begin | Start Sci. Program | End Sci. Program | End | Duration hh:mm | Latitude N° | Longitude W° | Latitude N° | Longitude W° |
| 18.03.20 | 36 | M162_36-1 GC | GC-15 | 16:07 | 17:28 | 17:29 | 18:57 | 02:50 | 37°10.566 | 020°18.494 | 37°10.547 | 020°18.503 |
| 18.03.20 | 37 | M162_37-1 HF | HF-8 | 19:40 | 21:05 | 06:12 | 07:43 | 12:03 | 37°09.008 | 020°21.931 | 37°11.807 | 020°21.475 |
| 18.03.20 | 37.1 | M162_37-1 HF | HF-8 | - | 21:05 | 21:21 | - | 00:16 | 37°09.025 | 020°21.934 | 37°09.025 | 020°21.934 |
| 18.03.20 | 37.2 | M162_37-1 HF | HF-8 | - | 21:57 | 22:05 | - | 00:08 | 37°09.280 | 020°21.895 | 37°09.279 | 020°21.891 |
| 18.03.20 | 37.3 | M162_37-1 HF | HF-8 | - | 22:40 | 22:48 | - | 00:08 | 37°09.536 | 020°21.857 | 37°09.535 | 020°21.853 |
| 18.03.20 | 37.4 | M162_37-1 HF | HF-8 | - | 23:23 | 23:41 | - | 00:18 | 37°09.774 | 020°21.812 | 37°09.773 | 020°21.813 |
| 19.03.20 | 37.5 | M162_37-1 HF | HF-8 | - | 00:18 | 00:36 | - | 00:18 | 37°10.032 | 020°21.778 | 37°10.031 | 020°21.777 |
| 19.03.20 | 37.6 | M162_37-1 HF | HF-8 | - | 01:10 | 01:18 | - | 00:08 | 37°10.303 | 020°21.739 | 37°10.303 | 020°21.738 |
| 19.03.20 | 37.7 | M162_37-1 HF | HF-8 | - | 01:52 | 02:10 | - | 00:18 | 37°10.549 | 020°21.703 | 37°10.549 | 020°21.706 |
| 19.03.20 | 37.8 | M162_37-1 HF | HF-8 | - | 02:43 | 02:51 | - | 00:08 | 37°10.810 | 020°21.662 | 37°10.810 | 020°21.663 |
| 19.03.20 | 37.9 | M162_37-1 HF | HF-8 | - | 03:28 | 03:44 | - | 00:16 | 37°11.062 | 020°21.623 | 37°11.060 | 020°21.625 |
| 19.03.20 | 37.10 | M162_37-1 HF | HF-8 | - | 04:23 | 04:31 | - | 00:08 | 37°11.323 | 020°21.578 | 37°11.322 | 020°21.578 |
| 19.03.20 | 37.11 | M162_37-1 HF | HF-8 | - | 05:08 | 05:25 | - | 00:17 | 37°11.567 | 020°21.543 | 37°11.565 | 020°21.540 |
| 19.03.20 | 37.12 | M162_37-1 HF | HF-8 | - | 06:03 | 06:12 | - | 00:09 | 37°11.824 | 020°21.502 | 37°11.822 | 020°21.500 |
| 19.03.20 | 38 | M162_38-1 MB_PS | MB/PS-9 | 08:58 | 08:58 | 12:30 | 12:30 | 03:32 | 37°08.513 | 020°11.726 | 37°11.388 | 020°07.718 |
| 19.03.20 | 39 | M162_39-1 GC | GC-16 | 13:10 | 14:00 | 14:01 | 14:57 | 01:47 | 37°09.821 | 020°04.717 | 37°09.832 | 020°04.721 |
| 19.03.20 | 40 | M162_40-1 GC | GC-17 | 15:21 | 16:13 | 16:14 | 17:09 | 01:48 | 37°09.844 | 020°04.558 | 37°09.845 | 020°04.561 |
| 19.03.20 | 41 | M162_41-1 GC | GC-18 | 17:53 | 18:57 | 18:58 | 20:05 | 02:13 | 37°12.248 | 020°05.313 | 37°12.291 | 020°05.310 |
| 20.03.20 | 42 | M162_42-1 MB_PS | MB/PS-10 | 00:00 | 00:00 | 09:21 | 09:21 | 09:21 | 37°35.024 | 020°04.626 | 37°34.501 | 020°27.999 |
| 20.03.20 | 43 | M162_43-1 GC | GC-19 | 10:25 | 11:34 | 11:35 | 12:58 | 02:33 | 37°35.378 | 020°29.070 | 37°35.381 | 020°29.068 |

| | | | | | Time (UTC) | | | | Begin / on seafloor | | End / off seafloor | |
|-------------|-----------------|--------------------|------------|-------|-----------------------|---------------------|-------|-------------------|---------------------|-----------------|--------------------|-----------------|
| Date UTC | St. No. M162 | St. No Meteor | Instrument | Begin | Start Sci. Program | End Sci. Program | End | Duration hh:mm | Latitude N° | Longitude W° | Latitude N° | Longitude W° |
| 20.03.20 | 44 | M162_44-1 GC | GC-20 | 13:25 | 14:37 | 14:38 | 15:53 | 02:28 | 37°35.937 | 020°29.592 | 37°35.406 | 020°29.622 |
| 20.03.20 | 45 | M162_45-1 GC | GC-21 | 16:33 | 17:46 | 17:47 | 19:05 | 02:32 | 37°36.973 | 020°27.729 | 37°36.999 | 020°27.740 |
| 20.03.20 | 46 | M162_46-1 HF | HF-9 | 19:56 | 21:09 | 06:14 | 07:42 | 11:46 | 37°35.158 | 020°29.600 | 37°38.403 | 020°29.556 |
| 20.03.20 | 46.1 | M162_46-1 HF | HF-9 | - | 21:09 | 21:25 | - | 00:16 | 37°35.208 | 020°29.597 | 37°35.209 | 020°29.593 |
| 20.03.20 | 46.2 | M162_46-1 HF | HF-9 | - | 21:56 | 22:05 | - | 00:09 | 37°35.441 | 020°29.586 | 37°35.441 | 020°29.584 |
| 20.03.20 | 46.3 | M162_46-1 HF | HF-9 | - | 22:38 | 22:53 | - | 00:15 | 37°35.670 | 020°29.584 | 37°35.669 | 020°29.587 |
| 20.03.20 | 46.4 | M162_46-1 HF | HF-9 | - | 23:21 | 23:29 | - | 00:08 | 37°35.760 | 020°29.558 | 37°35.759 | 020°29.558 |
| 20.03.20 | 46.5 | M162_46-1 HF | HF-9 | - | 23:52 | 00:00 | - | 00:08 | 37°35.852 | 020°29.582 | 37°35.852 | 020°29.581 |
| 21.03.20 | 46.6 | M162_46-1 HF | HF-9 | - | 00:39 | 00:56 | - | 00:17 | 37°36.111 | 020°29.576 | 37°36.112 | 020°29.575 |
| 21.03.20 | 46.7 | M162_46-1 HF | HF-9 | - | 01:35 | 01:54 | - | 00:19 | 37°36.365 | 020°29.570 | 37°36.365 | 020°29.568 |
| 21.03.20 | 46.8 | M162_46-1 HF | HF-9 | - | 02:34 | 02:42 | - | 00:08 | 37°36.631 | 020°29.562 | 37°36.631 | 020°29.562 |
| 21.03.20 | 46.9 | M162_46-1 HF | HF-9 | - | 03:41 | 03:59 | - | 00:18 | 37°37.137 | 020°29.551 | 37°37.137 | 020°29.547 |
| 21.03.20 | 46.10 | M162_46-1 HF | HF-9 | - | 04:55 | 05:11 | - | 00:16 | 37°37.535 | 020°29.553 | 37°37.536 | 020°29.552 |
| 21.03.20 | 46.11 | M162_46-1 HF | HF-9 | - | 06:06 | 06:14 | - | 00:08 | 37°38.034 | 020°29.550 | 37°38.035 | 020°29.550 |
| 21.03.20 | 47 | M162_47-1 GC | GC-22 | 08:42 | 09:51 | 09:52 | 11:04 | 02:22 | 37°34.964 | 020°33.408 | 37°34.990 | 020°33.470 |
| 21.03.20 | 48 | M162_48-1 GC | GC-23 | 11:34 | 12:55 | 12:56 | 14:14 | 02:40 | 37°35.766 | 020°29.531 | 37°35.726 | 020°29.454 |
| 22.03.20 | 49 | M162_49-1 MB_PS | MB/PS-11 | 01:33 | 01:33 | 02:45 | 02:45 | 01:12 | 36°46.578 | 019°14.462 | 36°50.074 | 019°15.354 |
| 23.03.20 | 50 | M162_50-1 MB_PS | MB/PS-12 | 04:43 | 04:43 | 09:11 | 09:11 | 04:28 | 37°09.488 | 019°03.307 | 37°36.421 | 019°02.749 |
| 23.03.20 | 51 | M162_51-1 MB_PS | MB/PS-13 | 10:16 | 10:16 | 13:13 | 13:13 | 02:57 | 37°29.988 | 018°59.030 | 37°31.669 | 018°56.699 |
| 23.03.20 | 52 | M162_52-1 GC | GC-24 | 13:59 | 15:31 | 15:32 | 17:11 | 03:12 | 37°32.176 | 018°55.391 | 37°32.174 | 018°55.390 |

| | | | | | Time (UTC) | | | | Begin / on seafloor | | End / off seafloor | |
|-------------|-----------------|--------------------|------------|-------|-----------------------|---------------------|-------|-------------------|---------------------|-----------------|--------------------|-----------------|
| Date UTC | St. No. M162 | St. No Meteor | Instrument | Begin | Start Sci. Program | End Sci. Program | End | Duration hh:mm | Latitude N° | Longitude W° | Latitude N° | Longitude W° |
| 23.03.20 | 53 | M162_53-1 GC | GC-25 | 18:24 | 19:57 | 19:58 | 21:43 | 03:19 | 37°30.396 | 019°08.508 | 37°30.444 | 019°08.515 |
| 24.03.20 | 54 | M162_54-1 MB_PS | MB/PS-14 | 01:10 | 01:10 | 03:36 | 03:36 | 02:26 | 37°33.772 | 018°38.080 | 37°32.229 | 018°38.159 |
| 24.03.20 | 55 | M162_55-1 MB_PS | MB/PS-15 | 04:14 | 04:14 | 05:15 | 05:15 | 01:01 | 37°30.225 | 018°33.687 | 37°31.451 | 018°34.263 |
| 24.03.20 | 56 | M162_56-1 MB_PS | MB/PS-16 | 06:23 | 06:23 | 07:20 | 07:20 | 00:57 | 37°31.715 | 018°25.172 | 37°26.844 | 018°25.880 |
| 24.03.20 | 57 | M162_57-1 GC | GC-26 | 08:35 | 09:56 | 09:57 | 11:21 | 02:46 | 37°31.462 | 018°32.801 | 37°31.498 | 018°32.948 |
| 24.03.20 | 58 | M162_58-1 GC | GC-27 | 12:09 | 13:31 | 13:32 | 14:58 | 02:49 | 37°32.138 | 018°38.737 | 37°32.120 | 018°38.694 |
| 24.03.20 | 59 | M162_59-1 CTD | V-CTD-5 | 17:13 | 20:04 | 22:21 | 02:47 | 09:34 | 37°29.207 | 018°40.285 | 37°30.310 | 018°40.040 |
| 25.03.20 | 60 | M162_60-1 CTD | V-CTD-6 | 04:15 | 07:10 | 08:48 | 12:25 | 08:10 | 37°27.866 | 018°24.898 | 37°27.778 | 018°25.838 |
| 25.03.20 | 61 | M162_61-1 MB_PS | MB/PS-17 | 13:14 | 13:14 | 14:30 | 14:30 | 01:16 | 37°27.736 | 018°28.029 | 37°28.511 | 018°20.153 |
| 25.03.20 | 62 | M162_62-1 GC | GC-28 | 15:39 | 16:54 | 16:55 | 18:14 | 02:35 | 37°27.796 | 018°25.486 | 37°27.795 | 018°25.487 |
| 25.03.20 | 63 | M162_63-1 HF | HF-10 | 20:10 | 21:32 | 07:06 | 08:29 | 12:19 | 37°32.220 | 018°38.650 | 37°29.755 | 018°40.352 |
| 25.03.20 | 63.1 | M162_63-1 HF | HF-10 | - | 21:32 | 21:48 | - | 00:16 | 37°32.220 | 018°38.651 | 37°32.220 | 018°38.651 |
| 25.03.20 | 63.2 | M162_63-1 HF | HF-10 | - | 22:47 | 22:56 | - | 00:09 | 37°31.912 | 018°38.698 | 37°31.914 | 018°38.697 |
| 25.03.20 | 63.3 | M162_63-1 HF | HF-10 | - | 23:46 | 00:02 | - | 00:16 | 37°31.673 | 018°38.821 | 37°31.672 | 018°38.816 |
| 26.03.20 | 63.4 | M162_63-1 HF | HF-10 | - | 00:53 | 01:01 | - | 00:08 | 37°31.439 | 018°38.879 | 37°31.441 | 018°38.880 |
| 26.03.20 | 63.5 | M162_63-1 HF | HF-10 | - | 01:53 | 02:10 | - | 00:17 | 37°31.201 | 018°39.010 | 37°31.200 | 018°39.009 |
| 26.03.20 | 63.6 | M162_63-1 HF | HF-10 | - | 03:07 | 03:16 | - | 00:09 | 37°30.901 | 018°39.133 | 37°30.898 | 018°39.133 |
| 26.03.20 | 63.7 | M162_63-1 HF | HF-10 | - | 04:03 | 04:21 | - | 00:18 | 37°30.660 | 018°39.192 | 37°30.661 | 018°39.188 |
| 26.03.20 | 63.8 | M162_63-1 HF | HF-10 | - | 05:06 | 05:14 | - | 00:08 | 37°30.414 | 018°39.308 | 37°30.415 | 018°39.306 |
| 26.03.20 | 63.9 | M162_63-1 HF | HF-10 | - | 06:02 | 06:09 | - | 00:07 | 37°30.117 | 018°39.434 | 37°30.117 | 018°39.429 |

| | | | | | Time (UTC) | | | | Begin / on seafloor | | End / off seafloor | | |
|----------|--------------|---------------|------------|-------|--------------------|------------------|-------|----------------|---------------------|--------------|--------------------|--------------|------------|
| Date UTC | St. No. M162 | St. No Meteor | Instrument | Begin | Start Sci. Program | End Sci. Program | End | Duration hh:mm | Latitude N° | Longitude W° | Latitude N° | Longitude W° | |
| 26.03.20 | 63.10 | M162_63-1 | HF | HF-10 | - | 06:47 | 07:06 | - | 00:19 | 37°29.996 | 018°39.490 | 37°29.995 | 018°39.491 |
| 26.03.20 | 64 | M162_64-1 | GC | GC-29 | 10:53 | 12:12 | 12:13 | 13:36 | 02:43 | 37°27.804 | 018°25.437 | 37°27.765 | 018°25.650 |
| 27.03.20 | 65 | M162_65-1 | GC | GC-30 | 06:59 | 08:19 | 08:20 | 09:41 | 02:42 | 37°04.758 | 021°18.743 | 37°04.758 | 021°18.745 |
| 27.03.20 | 66 | M162_66-1 | GC | GC-31 | 10:48 | 11:55 | 11:56 | 13:08 | 02:20 | 36°59.253 | 021°18.182 | 36°59.244 | 021°18.104 |
| 27.03.20 | 67 | M162_67-1 | GC | GC-32 | 13:33 | 14:40 | 14:41 | 15:55 | 02:22 | 37°00.520 | 021°18.260 | 37°00.479 | 021°18.267 |
| 27.03.20 | 68 | M162_68-1 | HF | HF-11 | 17:19 | 18:32 | 05:04 | 06:20 | 13:01 | 36°52.554 | 021°17.202 | 36°55.789 | 021°17.626 |
| 27.03.20 | 68.1 | M162_68-1 | HF | HF-11 | - | 18:32 | 18:48 | - | 00:16 | 36°52.553 | 021°17.192 | 36°52.553 | 021°17.192 |
| 27.03.20 | 68.2 | M162_68-1 | HF | HF-11 | - | 19:23 | 19:31 | - | 00:08 | 36°52.798 | 021°17.223 | 36°52.798 | 021°17.222 |
| 27.03.20 | 68.3 | M162_68-1 | HF | HF-11 | - | 20:10 | 20:25 | - | 00:15 | 36°53.044 | 021°17.257 | 36°53.045 | 021°17.255 |
| 27.03.20 | 68.4 | M162_68-1 | HF | HF-11 | - | 21:04 | 21:12 | - | 00:08 | 36°53.317 | 021°17.292 | 36°53.317 | 021°17.293 |
| 27.03.20 | 68.5 | M162_68-1 | HF | HF-11 | - | 21:50 | 21:57 | - | 00:07 | 36°53.558 | 021°17.323 | 36°53.559 | 021°17.323 |
| 27.03.20 | 68.6 | M162_68-1 | HF | HF-11 | - | 22:36 | 22:53 | - | 00:17 | 36°53.814 | 021°17.357 | 36°53.814 | 021°17.357 |
| 27.03.20 | 68.7 | M162_68-1 | HF | HF-11 | - | 23:33 | 23:51 | - | 00:18 | 36°54.052 | 021°17.393 | 36°54.052 | 021°17.392 |
| 28.03.20 | 68.8 | M162_68-1 | HF | HF-11 | - | 00:26 | 00:42 | - | 00:16 | 36°54.303 | 021°17.425 | 36°54.302 | 021°17.425 |
| 28.03.20 | 68.9 | M162_68-1 | HF | HF-11 | - | 01:18 | 01:25 | - | 00:07 | 36°54.544 | 021°17.457 | 36°54.544 | 021°17.458 |
| 28.03.20 | 68.10 | M162_68-1 | HF | HF-11 | - | 01:59 | 02:06 | - | 00:07 | 36°54.785 | 021°17.495 | 36°54.785 | 021°17.494 |
| 28.03.20 | 68.11 | M162_68-1 | HF | HF-11 | - | 02:44 | 03:00 | - | 00:16 | 36°55.022 | 021°17.525 | 36°55.022 | 021°17.526 |
| 28.03.20 | 68.12 | M162_68-1 | HF | HF-11 | - | 03:54 | 04:12 | - | 00:18 | 36°55.516 | 021°17.590 | 36°55.515 | 021°17.591 |
| 28.03.20 | 68.13 | M162_68-1 | HF | HF-11 | - | 04:56 | 05:04 | - | 00:08 | 36°55.789 | 021°17.627 | 36°55.789 | 021°17.627 |
| 28.03.20 | 69 | M162_69-1 | GC | GC-33 | 08:20 | 09:30 | 09:31 | 10:43 | 02:23 | 37°11.478 | 021°19.411 | 37°11.479 | 021°19.411 |

| | | | | | Time (UTC) | | | | Begin / on seafloor | | End / off seafloor | |
|-------------|-----------------|--------------------|------------|-------|-----------------------|---------------------|-------|-------------------|---------------------|-----------------|--------------------|-----------------|
| Date UTC | St. No. M162 | St. No Meteor | Instrument | Begin | Start Sci. Program | End Sci. Program | End | Duration hh:mm | Latitude N° | Longitude W° | Latitude N° | Longitude W° |
| 28.03.20 | 70 | M162_70-1 GC | GC-34 | 12:21 | 13:37 | 13:38 | 14:59 | 02:38 | 37°04.286 | 021°18.703 | 37°04.286 | 021°18.702 |
| 28.03.20 | 71 | M162_71-1 HF | HF-12 | 15:38 | 17:02 | 19:57 | 21:23 | 05:45 | 37°04.752 | 021°18.345 | 37°04.678 | 021°17.267 |
| 28.03.20 | 71.1 | M162_71-1 HF | HF-12 | - | 17:02 | 17:18 | - | 00:16 | 37°04.752 | 021°18.345 | 37°04.752 | 021°18.347 |
| 28.03.20 | 71.2 | M162_71-1 HF | HF-12 | - | 17:58 | 18:06 | - | 00:08 | 37°04.606 | 021°17.988 | 37°04.606 | 021°17.987 |
| 28.03.20 | 71.3 | M162_71-1 HF | HF-12 | - | 18:50 | 19:06 | - | 00:16 | 37°04.678 | 021°17.626 | 37°04.680 | 021°17.630 |
| 28.03.20 | 71.4 | M162_71-1 HF | HF-12 | - | 19:49 | 19:57 | - | 00:08 | 37°04.680 | 021°17.271 | 37°04.678 | 021°17.267 |
| 29.03.20 | 72 | M162_72-1 GC | GC-35 | 09:54 | 11:17 | 11:18 | 12:45 | 02:51 | 37°30.418 | 018°39.282 | 37°30.420 | 018°39.293 |
| 29.03.20 | 73 | M162_73-1 HF | HF-13 | 14:14 | 15:35 | 17:50 | 19:22 | 05:08 | 37°27.802 | 018°25.649 | 37°27.815 | 018°25.015 |
| 29.03.20 | 73.1 | M162_73-1 HF | HF-13 | - | 15:35 | 15:52 | - | 00:17 | 37°28.793 | 018°25.671 | 37°28.793 | 018°25.671 |
| 29.03.20 | 73.2 | M162_73-1 HF | HF-13 | - | 16:39 | 16:55 | - | 00:16 | 37°27.813 | 018°25.345 | 37°27.814 | 018°25.348 |
| 29.03.20 | 73.3 | M162_73-1 HF | HF-13 | - | 17:33 | 17:50 | - | 00:17 | 37°27.812 | 018°25.015 | 37°27.812 | 018°25.017 |
| 30.03.20 | 74 | M162_74-1 MB_PS | MB/PS-18 | 06:04 | 06:04 | 07:38 | 07:38 | 01:34 | 37°28.306 | 016°04.775 | 37°27.346 | 016°00.848 |
| 30.03.20 | 75 | M162_75-1 MB_PS | MB/PS-19 | 08:13 | 08:13 | 09:53 | 09:53 | 01:40 | 37°27.085 | 015°56.115 | 37°27.174 | 015°54.459 |
| 30.03.20 | 76 | M162_76-1 GC | GC-36 | 10:53 | 12:12 | 12:13 | 13:35 | 02:42 | 37°26.365 | 015°54.463 | 37°26.360 | 015°54.467 |
| 30.03.20 | 77 | M162_77-1 GC | GC-37 | 13:51 | 15:10 | 15:11 | 16:32 | 02:41 | 37°26.182 | 015°53.518 | 37°26.312 | 015°53.496 |
| 30.03.20 | 78 | M162_78-1 GC | GC-38 | 17:28 | 18:44 | 18:45 | 20:05 | 02:37 | 37°27.993 | 016°00.397 | 37°28.072 | 016°00.395 |
| 31.03.20 | 79 | M162_79-1 HF | HF-14 | 19:03 | 20:19 | 23:07 | 00:35 | 05:32 | 37°28.189 | 016°00.453 | 37°28.316 | 016°01.242 |
| 31.03.20 | 79.1 | M162_79-1 HF | HF-14 | - | 20:19 | 20:36 | - | 00:17 | 37°28.186 | 016°00.450 | 37°28.188 | 016°00.452 |
| 31.03.20 | 79.2 | M162_79-1 HF | HF-14 | - | 21:34 | 21:49 | - | 00:15 | 37°28.248 | 016°00.844 | 37°28.248 | 016°00.842 |
| 31.03.20 | 79.3 | M162_79-1 HF | HF-14 | - | 22:51 | 23:07 | - | 00:16 | 37°28.316 | 016°01.242 | 37°28.316 | 016°01.241 |

| | | | | | Time (UTC) | | | | Begin / on seafloor | | End / off seafloor | |
|-------------|-----------------|--------------------|------------|-------|-----------------------|---------------------|-------|-------------------|---------------------|-----------------|--------------------|-----------------|
| Date UTC | St. No. M162 | St. No Meteor | Instrument | Begin | Start Sci. Program | End Sci. Program | End | Duration hh:mm | Latitude N° | Longitude W° | Latitude N° | Longitude W° |
| 01.04.20 | 80 | M162_80-1 GC | GC-39 | 05:58 | 07:18 | 07:19 | 08:43 | 02:45 | 37°26.226 | 015°53.515 | 37°26.206 | 015°53.491 |
| 01.04.20 | 81 | M162_81-1 MB_PS | MB/PS-20 | 10:12 | 10:12 | 12:23 | 12:23 | 02:11 | 37°24.178 | 015°41.282 | 37°22.224 | 015°35.909 |
| 01.04.20 | 82 | M162_82-1 GC | GC-40 | 12:46 | 14:14 | 14:15 | 15:45 | 02:59 | 37°23.140 | 015°35.754 | 37°23.172 | 015°35.813 |
| 01.04.20 | 83 | M162_83-1 MB_PS | MB/PS-21 | 16:14 | 16:14 | 17:49 | 17:49 | 01:35 | 37°24.480 | 015°35.553 | 37°22.538 | 015°30.724 |
| 01.04.20 | 84 | M162_84-1 HF | HF-15 | 18:55 | 20:25 | 23:45 | 01:42 | 06:47 | 37°22.742 | 015°35.887 | 37°23.169 | 015°35.810 |
| 01.04.20 | 84.1 | M162_84-1 HF | HF-15 | - | 20:25 | 20:42 | - | 00:17 | 37°22.741 | 015°35.883 | 37°22.742 | 015°35.885 |
| 01.04.20 | 84.2 | M162_84-1 HF | HF-15 | - | 22:19 | 22:37 | - | 00:18 | 37°23.004 | 015°35.860 | 37°23.003 | 015°35.861 |
| 01.04.20 | 84.3 | M162_84-1 HF | HF-15 | - | 23:26 | 23:45 | - | 00:19 | 37°23.169 | 015°35.808 | 37°23.168 | 015°35.807 |
| 02.04.20 | 85 | M162_85-1 CTD | V-CTD-7 | 05:45 | 07:54 | 09:06 | 11:14 | 05:29 | 37°14.477 | 014°54.947 | 37°14.765 | 014°55.658 |
| 02.04.20 | 86 | M162_86-1 TVMUC | V-MUC-3 | 11:48 | 13:03 | 13:05 | 14:22 | 02:34 | 37°14.765 | 014°55.655 | 37°14.764 | 014°55.656 |
| 02.04.20 | 87 | M162_87-1 MB_PS | MB/PS-22 | 15:10 | 15:10 | 16:28 | 16:28 | 01:18 | 37°12.665 | 014°51.046 | 37°15.545 | 014°58.201 |
| 02.04.20 | 88 | M162_88-1 GC | GC-41 | 17:12 | 18:14 | 18:15 | 19:15 | 02:03 | 37°15.262 | 014°57.488 | 37°15.273 | 014°57.463 |
| 02.04.20 | 89 | M162_89-1 HF | HF-16 | 20:10 | 21:14 | 01:20 | 02:35 | 06:25 | 37°14.551 | 014°55.346 | 37°15.170 | 014°57.138 |
| 02.04.20 | 89.1 | M162_89-1 HF | HF-16 | - | 21:14 | 21:29 | - | 00:15 | 37°14.552 | 014°55.345 | 37°14.552 | 014°55.345 |
| 02.04.20 | 89.2 | M162_89-1 HF | HF-16 | - | 22:35 | 22:42 | - | 00:07 | 37°14.747 | 014°55.893 | 37°14.746 | 014°55.893 |
| 02.04.20 | 89.3 | M162_89-1 HF | HF-16 | - | 23:50 | 23:57 | - | 00:07 | 37°14.952 | 014°56.499 | 37°14.952 | 014°56.498 |
| 03.04.20 | 89.4 | M162_89-1 HF | HF-16 | - | 01:04 | 01:20 | - | 00:16 | 37°15.169 | 014°57.136 | 37°15.169 | 014°57.138 |
| 03.04.20 | 90 | M162_90-1 GC | GC-42 | 05:58 | 07:01 | 07:02 | 08:15 | 02:17 | 37°14.755 | 014°55.966 | 37°14.754 | 014°55.967 |
| 03.04.20 | 91 | M162_91-1 GC | GC-43 | 08:25 | 09:27 | 09:28 | 10:38 | 02:13 | 37°14.754 | 014°55.968 | 37°14.755 | 014°55.967 |
| 03.04.20 | 92 | M162_92-1 GC | GC-44 | 10:47 | 11:48 | 11:49 | 12:55 | 02:08 | 37°14.753 | 014°55.967 | 37°14.755 | 014°55.964 |

| | | Time (UTC) | | | | | | | Begin / on seafloor | | End / off seafloor | |
|-------------|-----------------|--------------------|------------|-------|-----------------------|---------------------|-------|-------------------|---------------------|-----------------|--------------------|-----------------|
| Date UTC | St. No. M162 | St. No Meteor | Instrument | Begin | Start Sci. Program | End Sci. Program | End | Duration hh:mm | Latitude N° | Longitude W° | Latitude N° | Longitude W° |
| 03.04.20 | 93 | M162_93-1 MB_PS | MB/PS-23 | 14:02 | 14:02 | 15:46 | 15:46 | 01:44 | 37°21.745 | 014°56.318 | 37°30.465 | 014°55.065 |
| 03.04.20 | 94 | M162_94-1 GC | GC-45 | 17:03 | 18:14 | 18:15 | 19:35 | 02:32 | 37°30.358 | 014°55.108 | 37°30.312 | 014°55.092 |
| 03.04.20 | 95 | M162_95-1 HF | HF-17 | 20:05 | 21:24 | 01:17 | 02:40 | 06:35 | 37°30.308 | 014°55.094 | 37°29.751 | 014°55.178 |
| 03.04.20 | 95.1 | M162_95-1 HF | HF-17 | - | 21:24 | 21:40 | - | 00:16 | 37°30.310 | 014°55.092 | 37°30.309 | 014°55.094 |
| 03.04.20 | 95.2 | M162_95-1 HF | HF-17 | - | 22:14 | 22:21 | - | 00:07 | 37°30.210 | 014°55.113 | 37°30.210 | 014°55.115 |
| 03.04.20 | 95.3 | M162_95-1 HF | HF-17 | - | 23:00 | 23:16 | - | 00:16 | 37°30.098 | 014°55.131 | 37°30.097 | 014°55.130 |
| 03.04.20 | 95.4 | M162_95-1 HF | HF-17 | - | 23:49 | 23:56 | - | 00:07 | 37°29.977 | 014°55.142 | 37°29.974 | 014°55.144 |
| 04.04.20 | 95.5 | M162_95-1 HF | HF-17 | - | 00:24 | 00:32 | - | 00:08 | 37°29.864 | 014°55.159 | 37°29.865 | 014°55.153 |
| 04.04.20 | 95.6 | M162_95-1 HF | HF-17 | - | 01:01 | 01:17 | - | 00:16 | 37°29.747 | 014°55.176 | 37°29.746 | 014°55.179 |