**Nuclear Data Section**

**International Atomic Energy Agency**

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**Memo CP-D/1093**

**Date:** 2023-11-06

**To:** Distribution

**From:** N. Otsuka

**Subject: Reproduction of EXFOR backups with new utility codes (NRDC2023 A91)**

**EXFOR utility codes**

Following Action 91 from the NRCD 2023:

Prepare distribution EXFOR-Master File and Dictionaries (from 2005 onward). Prepare and distribute among NRDC members a software generating next Master File using previous Master File and TRANS file providing possibility for every NRDC Data Centre to maintain and reproduce Master File locally.

I developed the following four scripts:

* **dirini**: A script to create a local EXFOR entry storage on your computer from an EXFOR library tape (e.g., master).
* **dirupd**: A script to update the local EXFOR entry storage by addition of a new trans tape.
* **maklib**: A script to create an EXFOR library tape.
* **seqadd**: A script to add record identification at cols. 67-80 etc. (like zorder).

which are available on the NRDC website as the “EXFOR utility codes” with IAEA-NDS-0244 as a manual.

**Reproduction of EXFOR backups**

We concluded in the NRDC 2023 meeting that distribution of the EXFOR master should be made retroactively c.a. 2015 onward (NRDC2023 C5). I selected an EXFOR backup “EXFOR-2015-03-11.bck” as the starter of reproduction. This is because we do not have TRANS tapes named with extra characters (e.g., trans.1330**\_nds**) on the NDS open area after production of this backup file, and it makes the sequence of TRANS tapes clearer. By using Ver. 2023-11-02 of the new utility codes, one can reproduce EXFOR-2015-04-17.bck and EXFOR-2015-05-05.bck by the following operations:

# Initialization with EXFOR backup Ver.2015-03-11 as the starter

x4\_dirini.py -f -l lib/EXFOR-2015-03-11.bck -d entry

# Loading TRANS.L025

x4\_dirupd.py -f -c -t trans/trans.l025 -d entry

# Reproduction of EXFOR backup Ver.2015-03-16

x4\_maklib.py -f -d entry -l myEXFOR-2015-03-16.bck -i 1001"

# Loading TRANS.4167, C146 and M077

x4\_dirupd.py -f -c -t trans/trans.4167 -d entry

x4\_dirupd.py -f -c -t trans/trans.c146 -d entry

x4\_dirupd.py -f -c -t trans/trans.m077 -d entry

# Reproduction of EXFOR backup Ver.2015-04-17

x4\_maklib.py -f -d entry -l myEXFOR-2015-04-17.bck -i 1001"

The option -c is added to reflect elimination of the following items made in original backup production:

1. N2 of ENDBIB, ENDCOMMON, ENDSUBENT and ENDENTRY N2
2. record identification (Cols. 67-80) and trailing blanks in Cols. 12-66 in all records.

Additionally, the option -a was applied to x4\_maklib.py for reproduction of EXFOR-2023-05-23.bck and later versions to reflect

1. addition of “19” to the two-digit year of ENTRY, SUBENT and NOSUBENT N2

following the original backup production procedure.

I continued the above-mentioned sequence of operations (see Appendix for the sequence), and confirmed that the new utility codes reproduce **all backups issued after EXFOR-2015-03-11.bck** if we accept deviation due to the following extra operations done in original backup production but not in reproduction:

1. Adoption of SUBENT N2 of the common subentry (001) as ENTRY N2 in general
2. Replacement of ENDSUBENT N1 record of O2363.001 (45 in TRANS.O064 but 41 in original backup) during inclusion of TRANS.O064. (41 is correct. It is not clear if ORDER processing was done during production of EXFOR backup).

**Rules for better reproducibility**

I propose some format rules to improve reproducibility:

1. Retransmit an entry in a trans tape labelled by the same area (except for CPND entries maintained by NNDC for which area C trans tapes are always used for retransmission of entries in areas C, P and T).
2. Provide the date of last update in ENTRY/SUBENT/NOSUBENT N2 as defined in the Formats Manual. (i.e., N2 of a newer version must be larger than N2 of an older version).
3. Provide the date of deposition to the NDS open area in TRANS N2 as proposed in Memo CP-D/1089 (i.e., N2 of a newer version must be larger than N2 of an older version). I would like to ask your permission to update N2 at NDS to avoid an additional iteration with you.
4. Provide zero rather than a blank in N1 and N2 of the system identifiers presently unused (implemented by ZORDER).
5. Provide the date of last update rather than a blank in NOSUBENT N2.

Various problems observed during this reproducibility checking are summarized in the Appendix.

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**Appendix**

**Record and remarks on reproduction of EXFOR backup files with new utility codes**

**(2023-11-04)**

* Seq.: Sequence of TRANS inclusion for backup production and comparison with the original backup
* Date/Time: Time stamp of the files on the backup area
* File: File name on the zipped one in the backup area
* Remark on backup: Remark on the backup production procedure (An entry number without further information means the SUBENT N2 is adopted as ENTRY N2 in backup production)
* Remark on trans: Remark on trans tapes (“M044 → L025” signifies that an entry transmitted last time in an area M tape is retransmitted in an area L tape. “N2: 20171029 → 20170905” means an entry transmitted with October 2017 in N2 is retransmitted with September 2017 in N2.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Seq** | **Date** | **Time** | **File** | **Remark on backup** | **Remark on trans** |
| 1 | 2015-03-11 | 12:44:30 | EXFOR-2015-03-11 | A non ASCII character in the REACTION record of A0612.130 (resolved in trans.a083)q |  |
| 2 | 2015-03-16 | 14:42:51 | trans.l025 |  | L0005.000-001: M044 → L025 |
| 3 | 2015-03-16 | 19:21:18 | EXFOR-2015-03-16 |  |  |
| 4 | 2015-04-17 | 17:25:38 | trans.4167 |  |  |
| 5 | 2015-04-17 | 17:25:39 | trans.c146 |  | P0132.000-001: D071 → C146 |
| 6 | 2015-04-17 | 17:25:40 | trans.m077 |  |  |
| 7 | 2015-04-17 | 18:32:43 | EXFOR-2015-04-17 |  |  |
| 8 | 2015-05-05 | 14:27:57 | trans.c147 |  | T0053.000-002: T018 → C147 |
| 9 | 2015-05-05 | 14:27:58 | trans.d098 |  |  |
| 10 | 2015-05-05 | 14:27:59 | trans.e095 |  |  |
| 11 | 2015-05-05 | 14:28:00 | trans.e096 |  |  |
| 12 | 2015-05-05 | 14:28:00 | trans.g032 |  |  |
| 13 | 2015-05-05 | 14:28:00 | trans.l026 | L0058 | L0058.002-015, 021, 026-028: M044 → L026 |
| 14 | 2015-05-05 | 14:28:01 | trans.r028 |  |  |
| 15 | 2015-05-05 | 15:26:44 | EXFOR-2015-05-05 |  |  |
| 16 | 2015-06-03 | 18:55:03 | trans.2241 |  |  |
| 17 | 2015-06-03 | 18:55:05 | trans.3169 |  |  |
| 18 | 2015-06-03 | 18:55:06 | trans.4168 |  |  |
| 19 | 2015-06-03 | 18:55:07 | trans.m078 |  |  |
| 20 | 2015-06-04 | 14:35:07 | EXFOR-2015-06-04 |  |  |
| 21 | 2015-07-01 | 10:19:46 | trans.1405 |  |  |
| 22 | 2015-07-01 | 10:19:47 | trans.a083 |  |  |
| 23 | 2015-07-01 | 10:19:49 | trans.c148 |  |  |
| 24 | 2015-07-01 | 10:19:50 | trans.e097 |  |  |
| 25 | 2015-07-01 | 10:19:51 | trans.k015 |  |  |
| 26 | 2015-07-01 | 10:19:51 | trans.m079 |  |  |
| 27 | 2015-07-01 | 16:36:47 | EXFOR-2015-07-01 |  |  |
| 28 | 2015-08-17 | 09:50:40 | trans.1406 |  |  |
| 29 | 2015-08-17 | 09:50:41 | trans.3170 |  |  |
| 30 | 2015-08-17 | 09:50:42 | trans.4169 |  |  |
| 31 | 2015-08-17 | 09:50:43 | trans.c149 |  |  |
| 32 | 2015-08-17 | 09:50:46 | trans.d099 |  |  |
| 33 | 2015-08-17 | 09:50:49 | trans.f058 |  |  |
| 34 | 2015-08-17 | 09:50:51 | trans.g033 |  |  |
| 35 | 2015-08-17 | 09:50:52 | trans.l027 |  |  |
| 36 | 2015-08-17 | 09:50:53 | trans.o054 |  |  |
| 37 | 2015-08-17 | 09:50:56 | trans.v033 |  |  |
| 38 | 2015-08-17 | 12:26:38 | EXFOR-2015-08-17 |  |  |
| 39 | 2015-09-02 | 15:23:16 | trans.1407 |  |  |
| 40 | 2015-09-02 | 15:58:03 | EXFOR-2015-09-02 |  |  |
| 41 | 2015-10-06 | 09:21:30 | trans.3171 |  |  |
| 42 | 2015-10-06 | 09:21:31 | trans.3172 |  |  |
| 43 | 2015-10-06 | 09:21:31 | trans.c150 |  |  |
| 44 | 2015-10-06 | 09:21:32 | trans.c151 |  |  |
| 45 | 2015-10-06 | 09:21:32 | trans.d100 |  |  |
| 46 | 2015-10-06 | 09:21:33 | trans.e098 |  |  |
| 47 | 2015-10-06 | 09:21:34 | trans.e099 |  |  |
| 48 | 2015-10-06 | 09:21:34 | trans.g034 |  |  |
| 49 | 2015-10-06 | 09:21:34 | trans.m080 |  |  |
| 50 | 2015-10-06 | 09:57:24 | EXFOR-2015-10-06 |  |  |
| 51 | 2015-11-23 | 11:21:12 | trans.2242 |  |  |
| 52 | 2015-11-23 | 11:21:15 | trans.4170 |  |  |
| 53 | 2015-11-23 | 11:21:17 | trans.4171 |  |  |
| 54 | 2015-11-23 | 11:21:18 | trans.c152 |  |  |
| 55 | 2015-11-23 | 11:21:20 | trans.d101 |  |  |
| 56 | 2015-11-23 | 11:36:45 | EXFOR-2015-11-23 |  |  |
| 57 | 2016-02-01 | 17:28:56 | trans.1408 | 13695 |  |
| 58 | 2016-02-01 | 17:29:04 | trans.c153 |  |  |
| 59 | 2016-02-01 | 17:29:05 | trans.c154 |  |  |
| 60 | 2016-02-01 | 20:37:15 | EXFOR-2016-02-01 |  |  |
| 61 | 2016-02-02 | 16:47:52 | trans.d102 |  |  |
| 62 | 2016-02-02 | 18:13:07 | EXFOR-2016-02-02 |  |  |
| 63 | 2016-03-02 | 13:33:08 | trans.1409 |  |  |
| 64 | 2016-03-02 | 13:33:09 | trans.1410 |  |  |
| 65 | 2016-03-02 | 13:33:09 | trans.1411 |  |  |
| 66 | 2016-03-02 | 13:33:11 | trans.2243 |  |  |
| 67 | 2016-03-02 | 13:33:17 | trans.2244 |  |  |
| 68 | 2016-03-02 | 13:33:23 | trans.4172 |  |  |
| 69 | 2016-03-02 | 13:33:32 | trans.4173 |  |  |
| 70 | 2016-03-02 | 13:33:41 | trans.e100 |  |  |
| 71 | 2016-03-02 | 13:33:43 | trans.f059 |  |  |
| 72 | 2016-03-02 | 13:33:44 | trans.l028 |  |  |
| 73 | 2016-03-02 | 13:33:45 | trans.s019 |  |  |
| 74 | 2016-03-02 | 14:30:23 | EXFOR-2016-03-02 |  |  |
| 75 | 2016-04-01 | 17:12:31 | trans.c155 |  |  |
| 76 | 2016-04-01 | 17:12:32 | trans.f060 |  |  |
| 77 | 2016-04-01 | 17:12:32 | trans.m081 |  |  |
| 78 | 2016-04-01 | 17:31:49 | EXFOR-2016-04-01 |  |  |
| 79 | 2016-05-03 | 17:53:59 | trans.1412 |  |  |
| 80 | 2016-05-03 | 17:54:00 | trans.1413 |  |  |
| 81 | 2016-05-03 | 17:54:01 | trans.1414 |  |  |
| 82 | 2016-05-03 | 17:54:01 | trans.3173 |  |  |
| 83 | 2016-05-03 | 17:54:02 | trans.d103 |  |  |
| 84 | 2016-05-03 | 17:54:04 | trans.e101 |  |  |
| 85 | 2016-05-03 | 17:54:05 | trans.m082 |  |  |
| 86 | 2016-05-03 | 18:08:52 | EXFOR-2016-05-03 |  |  |
| 87 | 2016-05-05 | 10:11:50 | trans.v034 |  |  |
| 88 | 2016-05-05 | 12:00:17 | EXFOR-2016-05-05 |  |  |
| 89 | 2016-06-03 | 19:44:20 | trans.1415 |  |  |
| 90 | 2016-06-03 | 19:44:21 | trans.2245 |  |  |
| 91 | 2016-06-03 | 19:44:24 | trans.c156 |  |  |
| 92 | 2016-06-03 | 19:44:25 | trans.e102 |  |  |
| 93 | 2016-06-03 | 19:44:26 | trans.f061 |  |  |
| 94 | 2016-06-03 | 19:44:26 | trans.o055 |  |  |
| 95 | 2016-06-03 | 19:45:18 | trans.2246 |  |  |
| 96 | 2016-06-03 | 19:45:28 | trans.o056 |  |  |
| 97 | 2016-06-03 | 19:47:09 | trans.2247 |  |  |
| 98 | 2016-06-03 | 19:47:13 | trans.o057 |  |  |
| 99 | 2016-06-03 | 19:48:13 | trans.2248 |  |  |
| 100 | 2016-06-03 | 20:06:09 | EXFOR-2016-06-03 |  |  |
| 101 | 2016-07-01 | 11:17:21 | trans.1416 |  |  |
| 102 | 2016-07-01 | 11:17:22 | trans.a084 |  |  |
| 103 | 2016-07-01 | 11:17:41 | trans.d104 |  |  |
| 104 | 2016-07-01 | 11:17:46 | trans.e103 |  |  |
| 105 | 2016-07-01 | 11:17:52 | trans.g035 |  |  |
| 106 | 2016-07-01 | 11:17:52 | trans.m083 |  |  |
| 107 | 2016-07-01 | 11:47:01 | EXFOR-2016-07-01 |  |  |
| 108 | 2016-09-02 | 10:15:20 | trans.1417 |  |  |
| 109 | 2016-09-02 | 10:15:20 | trans.2249 | 23274 |  |
| 110 | 2016-09-02 | 10:15:22 | trans.c157 | C2194 |  |
| 111 | 2016-09-02 | 10:15:23 | trans.f062 |  |  |
| 112 | 2016-09-02 | 10:15:23 | trans.k016 |  |  |
| 113 | 2016-09-02 | 10:15:24 | trans.l029 |  |  |
| 114 | 2016-09-02 | 10:21:25 | trans.1418 |  |  |
| 115 | 2016-09-02 | 10:21:26 | trans.2250 |  |  |
| 116 | 2016-09-02 | 10:21:26 | trans.c158 |  |  |
| 117 | 2016-09-02 | 11:50:26 | EXFOR-2016-09-02 |  |  |
| 118 | 2016-09-05 | 17:38:07 | trans.3174 |  |  |
| 119 | 2016-09-05 | 17:38:07 | trans.d105 |  |  |
| 120 | 2016-09-15 | 10:05:21 | EXFOR-2016-09-05 |  |  |
| 121 | 2016-10-17 | 12:57:45 | trans.2251 |  |  |
| 122 | 2016-10-17 | 12:57:45 | trans.b025 |  |  |
| 123 | 2016-10-17 | 12:57:46 | trans.c159 |  |  |
| 124 | 2016-10-17 | 12:57:47 | trans.c160 |  |  |
| 125 | 2016-10-17 | 12:57:47 | trans.l030 |  |  |
| 126 | 2016-10-17 | 13:17:54 | EXFOR-2016-10-17 |  |  |
| 127 | 2016-10-18 | 11:11:33 | trans.a085 |  |  |
| 128 | 2016-10-18 | 11:27:25 | EXFOR-2016-10-18 |  |  |
| 129 | 2016-11-01 | 15:19:44 | trans.1419 |  |  |
| 130 | 2016-11-01 | 15:19:45 | trans.c161 |  | P0009.000-001: P004 → C161 |
| 131 | 2016-11-01 | 15:19:47 | trans.o058 |  |  |
| 132 | 2016-11-01 | 16:57:44 | EXFOR-2016-11-01 |  |  |
| 133 | 2016-12-12 | 09:43:38 | trans.3175 |  |  |
| 134 | 2016-12-12 | 09:43:38 | trans.c162 |  |  |
| 135 | 2016-12-12 | 09:43:39 | trans.d106 |  |  |
| 136 | 2016-12-12 | 09:43:40 | trans.k017 |  |  |
| 137 | 2016-12-12 | 09:43:41 | trans.m084 |  |  |
| 138 | 2016-12-12 | 10:19:35 | EXFOR-2016-12-12 |  |  |
| 139 | 2017-02-01 | 13:58:29 | trans.2252 |  |  |
| 140 | 2017-02-01 | 13:58:31 | trans.2253 |  |  |
| 141 | 2017-02-01 | 13:58:32 | trans.3176 |  |  |
| 142 | 2017-02-01 | 13:58:33 | trans.4174 |  |  |
| 143 | 2017-02-01 | 13:58:35 | trans.c163 |  |  |
| 144 | 2017-02-01 | 13:58:35 | trans.d107 |  |  |
| 145 | 2017-02-01 | 13:58:35 | trans.f063 |  |  |
| 146 | 2017-02-01 | 13:58:36 | trans.g036 |  |  |
| 147 | 2017-02-01 | 13:58:36 | trans.l031 |  |  |
| 148 | 2017-02-01 | 13:58:36 | trans.m085 |  |  |
| 149 | 2017-02-01 | 13:58:37 | trans.o059 |  |  |
| 150 | 2017-02-01 | 13:58:38 | trans.s020 |  |  |
| 151 | 2017-02-01 | 14:14:50 | EXFOR-2017-02-01 |  |  |
| 152 | 2017-03-02 | 11:14:28 | trans.2254 |  |  |
| 153 | 2017-03-02 | 11:14:29 | trans.2255 |  |  |
| 154 | 2017-03-02 | 11:14:30 | trans.m086 |  |  |
| 155 | 2017-03-02 | 11:37:21 | EXFOR-2017-03-02 |  |  |
| 156 | 2017-04-03 | 10:42:33 | trans.2256 |  |  |
| 157 | 2017-04-03 | 10:43:05 | trans.2257 |  |  |
| 158 | 2017-04-03 | 10:43:16 | trans.c164 |  |  |
| 159 | 2017-04-03 | 10:43:16 | trans.d108 |  |  |
| 160 | 2017-04-03 | 11:19:40 | trans.e104 |  |  |
| 161 | 2017-04-03 | 10:43:17 | trans.e105 |  |  |
| 162 | 2017-04-03 | 10:43:19 | trans.e106 |  |  |
| 163 | 2017-04-03 | 12:10:55 | EXFOR-2017-04-03 |  |  |
| 164 | 2017-05-04 | 11:20:15 | trans.1420 |  |  |
| 165 | 2017-05-04 | 11:20:16 | trans.1421 |  |  |
| 166 | 2017-05-04 | 11:20:17 | trans.1422 |  |  |
| 167 | 2017-05-04 | 11:20:20 | trans.a086 |  |  |
| 168 | 2017-05-04 | 11:20:21 | trans.a087 |  |  |
| 169 | 2017-05-04 | 11:20:21 | trans.f064 |  |  |
| 170 | 2017-05-04 | 11:20:22 | trans.g037 |  |  |
| 171 | 2017-05-04 | 11:20:23 | trans.m087 |  |  |
| 172 | 2017-05-04 | 11:34:32 | EXFOR-2017-05-04 |  |  |
| 173 | 2017-05-05 | 09:19:48 | trans.1423 |  |  |
| 174 | 2017-05-05 | 10:10:12 | EXFOR-2017-05-05 |  |  |
| 175 | 2017-05-10 | 15:10:58 | trans.e107 |  |  |
| 176 | 2017-05-10 | 15:44:26 | EXFOR-2017-05-10 |  |  |
| 177 | 2017-06-07 | 11:46:21 | trans.1424 |  |  |
| 178 | 2017-06-07 | 11:46:22 | trans.1425 |  |  |
| 179 | 2017-06-07 | 11:46:23 | trans.2258 |  |  |
| 180 | 2017-06-07 | 11:46:24 | trans.3177 |  |  |
| 181 | 2017-06-07 | 11:46:25 | trans.e108 |  |  |
| 182 | 2017-06-07 | 11:46:25 | trans.s021 |  |  |
| 183 | 2017-06-07 | 14:43:29 | trans.m088 |  |  |
| 184 | 2017-06-07 | 15:44:51 | EXFOR-2017-06-07 |  |  |
| 185 | 2017-06-09 | 16:13:19 | trans.o060 |  |  |
| 186 | 2017-06-09 | 16:13:21 | trans.o061 |  |  |
| 187 | 2017-06-09 | 16:27:16 | EXFOR-2017-06-09 |  |  |
| 188 | 2017-06-14 | 15:23:45 | trans.2259 |  |  |
| 189 | 2017-06-14 | 16:13:19 | EXFOR-2017-06-14 |  |  |
| 190 | 2017-07-03 | 10:38:25 | trans.1426 |  |  |
| 191 | 2017-07-03 | 10:38:26 | trans.3178 |  |  |
| 192 | 2017-07-03 | 10:38:26 | trans.4175 |  |  |
| 193 | 2017-07-03 | 10:38:29 | trans.c165 | C2240 |  |
| 194 | 2017-07-03 | 10:38:30 | trans.d109 |  |  |
| 195 | 2017-07-03 | 10:38:31 | trans.d110 | D6251 |  |
| 196 | 2017-07-03 | 10:38:32 | trans.j010 |  |  |
| 197 | 2017-07-03 | 11:26:09 | EXFOR-2017-07-03 |  |  |
| 198 | 2017-09-04 | 12:41:38 | trans.1427 |  |  |
| 199 | 2017-09-04 | 12:41:39 | trans.b026 |  |  |
| 200 | 2017-09-04 | 12:41:39 | trans.c166 |  |  |
| 201 | 2017-09-04 | 12:41:40 | trans.l032 |  |  |
| 202 | 2017-09-04 | 12:41:40 | trans.m089 |  |  |
| 203 | 2017-09-04 | 12:41:41 | trans.v035 |  |  |
| 204 | 2017-09-04 | 13:05:10 | EXFOR-2017-09-04 |  |  |
| 205 | 2017-10-16 | 12:00:32 | trans.1428 |  |  |
| 206 | 2017-10-16 | 12:00:33 | trans.1429 |  |  |
| 207 | 2017-10-16 | 12:00:33 | trans.3179 |  |  |
| 208 | 2017-10-16 | 12:00:34 | trans.c167 | C1791 |  |
| 209 | 2017-10-16 | 12:00:35 | trans.d111 |  |  |
| 210 | 2017-10-16 | 12:00:36 | trans.f065 | F1313 |  |
| 211 | 2017-10-16 | 12:00:37 | trans.g038 |  |  |
| 212 | 2017-10-16 | 12:00:37 | trans.m090 |  |  |
| 213 | 2017-10-16 | 12:00:38 | trans.s022 |  |  |
| 214 | 2017-10-16 | 12:19:56 | EXFOR-2017-10-16 |  |  |
| 215 | 2017-11-01 | 16:12:00 | trans.1430 |  |  |
| 216 | 2017-11-01 | 16:12:02 | trans.1431 |  |  |
| 217 | 2017-11-01 | 17:02:31 | EXFOR-2017-11-01 |  |  |
| 218 | 2017-11-10 | 10:01:13 | trans.1432 |  |  |
| 219 | 2017-11-10 | 12:09:13 | EXFOR-2017-11-10 |  |  |
| 220 | 2017-11-16 | 16:20:31 | trans.m091 |  |  |
| 221 | 2017-11-16 | 16:34:42 | EXFOR-2017-11-16 |  |  |
| 222 | 2017-11-22 | 15:27:35 | trans.3180 |  |  |
| 223 | 2017-11-22 | 15:27:36 | trans.g039 |  |  |
| 224 | 2017-11-22 | 18:50:21 | trans.d112 |  |  |
| 225 | 2017-11-22 | 20:48:14 | EXFOR-2017-11-22 |  |  |
| 226 | 2017-12-08 | 13:37:54 | trans.c168 |  |  |
| 227 | 2017-12-08 | 13:54:33 | EXFOR-2017-12-08 |  |  |
| 228 | 2017-12-22 | 17:20:01 | trans.1433 |  |  |
| 229 | 2017-12-22 | 17:40:12 | EXFOR-2017-12-22 |  |  |
| 230 | 2017-12-28 | 15:33:09 | trans.c169 |  |  |
| 231 | 2017-12-28 | 15:54:29 | EXFOR-2017-12-28 |  |  |
| 232 | 2018-01-08 | 16:22:04 | trans.1434 |  |  |
| 233 | 2018-01-08 | 16:41:49 | EXFOR-2018-01-08 |  |  |
| 234 | 2018-01-09 | 15:23:29 | trans.m092 |  |  |
| 235 | 2018-01-09 | 15:39:25 | EXFOR-2018-01-09 |  |  |
| 236 | 2018-01-18 | 09:47:13 | trans.e109 |  |  |
| 237 | 2018-01-18 | 09:47:14 | trans.f066 |  |  |
| 238 | 2018-01-18 | 10:04:14 | EXFOR-2018-01-18 |  |  |
| 239 | 2018-01-22 | 16:34:02 | trans.2260 | 23340 |  |
| 240 | 2018-01-22 | 16:34:04 | trans.4176 |  |  |
| 241 | 2018-01-22 | 16:34:05 | trans.c170 |  | C1145.000-001: N2: 20171029 → 20170905 |
| 242 | 2018-01-22 | 17:00:38 | EXFOR-2018-01-22 |  |  |
| 243 | 2018-01-23 | 14:28:34 | trans.1435 |  |  |
| 244 | 2018-01-23 | 14:28:36 | trans.2261 |  |  |
| 245 | 2018-01-23 | 15:07:21 | trans.1436 |  |  |
| 246 | 2018-01-23 | 15:07:22 | trans.2262 |  |  |
| 247 | 2018-01-23 | 15:25:06 | EXFOR-2018-01-23 |  |  |
| 248 | 2018-01-24 | 11:24:45 | trans.2263 | 20941 |  |
| 249 | 2018-01-24 | 11:24:47 | trans.e110 |  |  |
| 250 | 2018-01-24 | 16:58:50 | trans.2264 |  |  |
| 251 | 2018-01-24 | 16:58:53 | trans.o062 |  |  |
| 252 | 2018-01-24 | 17:23:06 | EXFOR-2018-01-24 |  |  |
| 253 | 2018-01-29 | 17:50:14 | trans.2265 |  |  |
| 254 | 2018-01-29 | 18:16:54 | EXFOR-2018-01-29 |  |  |
| 255 | 2018-01-30 | 14:33:33 | trans.o063 |  |  |
| 256 | 2018-01-30 | 14:51:55 | EXFOR-2018-01-30 |  |  |
| 257 | 2018-02-05 | 09:57:11 | trans.l033 |  |  |
| 258 | 2018-02-05 | 14:51:18 | EXFOR-2018-02-05 |  |  |
| 259 | 2018-02-09 | 18:46:11 | trans.1437 |  |  |
| 260 | 2018-02-09 | 18:46:12 | trans.3181 |  |  |
| 261 | 2018-02-09 | 18:46:13 | trans.s023 |  |  |
| 262 | 2018-02-09 | 19:04:20 | EXFOR-2018-02-09 |  |  |
| 263 | 2018-02-16 | 19:13:15 | trans.c171 |  |  |
| 264 | 2018-02-16 | 19:35:09 | EXFOR-2018-02-16 |  |  |
| 265 | 2018-02-23 | 15:59:27 | trans.e111 |  |  |
| 266 | 2018-02-23 | 15:59:29 | trans.l034 |  |  |
| 267 | 2018-02-23 | 15:59:29 | trans.m093 |  |  |
| 268 | 2018-02-23 | 16:25:52 | EXFOR-2018-02-23 |  |  |
| 269 | 2018-03-09 | 19:01:03 | trans.c172 |  |  |
| 270 | 2018-03-09 | 19:23:42 | EXFOR-2018-03-09 |  |  |
| 271 | 2018-03-16 | 11:59:31 | trans.d113 |  |  |
| 272 | 2018-03-16 | 11:59:34 | trans.d114 |  |  |
| 273 | 2018-03-16 | 11:59:35 | trans.g040 |  |  |
| 274 | 2018-03-16 | 13:17:23 | EXFOR-2018-03-16 |  |  |
| 275 | 2018-04-02 | 10:10:07 | trans.1438 |  |  |
| 276 | 2018-04-02 | 10:10:12 | trans.4177 |  |  |
| 277 | 2018-04-02 | 11:09:08 | EXFOR-2018-04-02 |  |  |
| 278 | 2018-04-06 | 13:14:27 | trans.m094 |  |  |
| 279 | 2018-04-06 | 13:43:42 | EXFOR-2018-04-06 |  |  |
| 280 | 2018-04-09 | 14:49:52 | trans.f067 |  |  |
| 281 | 2018-04-09 | 15:09:47 | EXFOR-2018-04-09 |  |  |
| 282 | 2018-04-10 | 17:30:23 | trans.c173 |  |  |
| 283 | 2018-04-10 | 17:49:49 | EXFOR-2018-04-10 |  |  |
| 284 | 2018-04-20 | 17:15:07 | trans.3182 |  |  |
| 285 | 2018-04-20 | 17:15:09 | trans.d115 |  |  |
| 286 | 2018-04-20 | 12:40:02 | EXFOR-2018-04-20 |  |  |
| 287 | 2018-04-23 | 17:16:59 | trans.a088 |  |  |
| 288 | 2018-04-23 | 17:48:08 | EXFOR-2018-04-23 |  |  |
| 289 | 2018-04-25 | 10:02:53 | trans.e112 |  |  |
| 290 | 2018-04-25 | 10:02:54 | trans.e113 |  |  |
| 291 | 2018-04-25 | 10:02:55 | trans.e114 |  |  |
| 292 | 2018-04-25 | 10:28:46 | EXFOR-2018-04-25 |  |  |
| 293 | 2018-04-27 | 19:47:08 | trans.3183 |  |  |
| 294 | 2018-04-28 | 19:47:09 | trans.e115 |  |  |
| 295 | 2018-04-27 | 09:55:00 | EXFOR-2018-04-27 |  |  |
| 296 | 2018-05-14 | 13:35:21 | trans.l035 |  |  |
| 297 | 2018-05-14 | 14:16:06 | EXFOR-2018-05-14 |  |  |
| 298 | 2018-05-16 | 14:12:10 | trans.m095 |  |  |
| 299 | 2018-05-16 | 16:15:35 | EXFOR-2018-05-16 |  |  |
| 300 | 2018-05-25 | 12:28:17 | trans.4178 |  |  |
| 301 | 2018-05-25 | 13:00:39 | EXFOR-2018-05-25 |  |  |
| 302 | 2018-06-12 | 09:59:20 | trans.4179 |  |  |
| 303 | 2018-06-12 | 10:53:30 | EXFOR-2018-06-12 |  |  |
| 304 | 2018-06-25 | 12:41:25 | trans.1439 |  |  |
| 305 | 2018-06-25 | 16:51:28 | trans.v036 |  |  |
| 306 | 2018-06-25 | 17:49:32 | trans.b027 |  |  |
| 307 | 2018-06-25 | 18:25:13 | EXFOR-2018-06-25 |  |  |
| 308 | 2018-06-29 | 18:38:45 | trans.3184 |  |  |
| 309 | 2018-06-29 | 18:38:46 | trans.3185 |  |  |
| 310 | 2018-06-29 | 18:38:47 | trans.b028 |  |  |
| 311 | 2018-06-29 | 18:38:47 | trans.d116 |  |  |
| 312 | 2018-06-29 | 18:38:49 | trans.d117 |  |  |
| 313 | 2018-06-29 | 18:38:50 | trans.g041 |  |  |
| 314 | 2018-06-29 | 18:38:50 | trans.s024 |  |  |
| 315 | 2018-06-29 | 18:57:36 | EXFOR-2018-06-29 |  |  |
| 316 | 2018-09-03 | 09:26:29 | trans.1440 |  |  |
| 317 | 2018-09-03 | 09:26:34 | trans.2266 |  |  |
| 318 | 2018-09-03 | 09:26:59 | trans.c174 |  |  |
| 319 | 2018-09-03 | 09:27:01 | trans.m096 |  |  |
| 320 | 2018-09-04 | 11:59:28 | EXFOR-2018-09-04 |  |  |
| 321 | 2018-09-17 | 16:36:02 | trans.2267 |  |  |
| 322 | 2018-09-17 | 16:36:03 | trans.a090 | loaded before trans.a089 |  |
| 323 | 2018-09-17 | 17:09:27 | EXFOR-2018-09-17 |  |  |
| 324 | 2018-09-18 | 14:16:51 | trans.1441 |  |  |
| 325 | 2018-09-18 | 14:54:10 | EXFOR-2018-09-18 |  |  |
| 326 | 2018-10-08 | 12:28:51 | trans.a089 | loaded after trans.a090 |  |
| 327 | 2018-10-08 | 12:28:53 | trans.c175 |  |  |
| 328 | 2018-10-08 | 12:28:55 | trans.e116 |  |  |
| 329 | 2018-10-08 | 12:28:56 | trans.f068 |  |  |
| 330 | 2018-10-08 | 12:28:57 | trans.l036 |  |  |
| 331 | 2018-10-08 | 12:28:58 | trans.o064 | O2363.001: ENDSUBENT: N1=41 → 45 |  |
| 332 | 2018-10-08 | 12:50:28 | EXFOR-2018-10-08 |  |  |
| 333 | 2018-10-10 | 12:31:58 | trans.m097 |  |  |
| 334 | 2018-10-10 | 12:48:34 | EXFOR-2018-10-10 |  |  |
| 335 | 2018-10-12 | 13:35:07 | trans.1442 |  |  |
| 336 | 2018-10-12 | 13:35:08 | trans.c176 |  |  |
| 337 | 2018-10-12 | 13:53:18 | EXFOR-2018-10-12 |  |  |
| 338 | 2018-10-31 | 10:00:28 | trans.1443 |  |  |
| 339 | 2018-10-31 | 10:38:27 | EXFOR-2018-10-31 |  |  |
| 340 | 2018-11-29 | 10:31:33 | trans.e117 |  |  |
| 341 | 2018-11-29 | 10:31:45 | trans.f069 |  |  |
| 342 | 2018-11-29 | 10:30:53 | EXFOR-2018-11-29 |  |  |
| 343 | 2018-12-04 | 10:53:28 | trans.3186 |  |  |
| 344 | 2018-12-04 | 10:53:39 | trans.d118 |  |  |
| 345 | 2018-12-04 | 12:30:53 | EXFOR-2018-12-04 |  |  |
| 346 | 2018-12-06 | 20:17:35 | trans.g042 |  |  |
| 347 | 2018-12-06 | 20:36:50 | EXFOR-2018-12-06 |  |  |
| 348 | 2018-12-07 | 18:50:34 | trans.m098 | M0972, M0974 | M0635.023, 025-030, 032-033, 035-036, 042, 045-049, 080, 082, 099, 101 N2: 20180712 = 20180712 |
| 349 | 2018-12-07 | 19:58:33 | EXFOR-2018-12-07 |  |  |
| 350 | 2018-12-31 | 12:12:13 | trans.4180 |  |  |
| 351 | 2018-12-31 | 13:09:14 | EXFOR-2018-12-31 |  |  |
| 352 | 2019-01-08 | 09:48:43 | trans.e118 |  |  |
| 353 | 2019-01-08 | 10:03:11 | EXFOR-2019-01-08 |  |  |
| 354 | 2019-01-09 | 16:18:02 | trans.c177 |  |  |
| 355 | 2019-01-09 | 16:33:29 | EXFOR-2019-01-09 |  |  |
| 356 | 2019-01-10 | 19:08:35 | trans.1444 |  |  |
| 357 | 2019-01-10 | 19:29:44 | EXFOR-2019-01-10 |  |  |
| 358 | 2019-01-18 | 16:56:19 | trans.e119 |  |  |
| 359 | 2019-01-18 | 17:09:32 | EXFOR-2019-01-18 |  |  |
| 360 | 2019-01-21 | 09:47:46 | trans.c178 |  |  |
| 361 | 2019-01-21 | 09:47:47 | trans.c179 |  | T0117.000-001: T018 → C179; T0233.000-001: T021 → C179 |
| 362 | 2019-01-21 | 17:15:35 | trans.c180 |  |  |
| 363 | 2019-01-21 | 17:34:21 | EXFOR-2019-01-21 |  |  |
| 364 | 2019-01-22 | 15:44:22 | trans.c181 |  |  |
| 365 | 2019-01-22 | 15:44:22 | trans.e120 |  |  |
| 366 | 2019-01-22 | 16:16:06 | EXFOR-2019-01-22 |  |  |
| 367 | 2019-01-31 | 17:33:49 | trans.e121 |  |  |
| 368 | 2019-01-31 | 17:54:52 | EXFOR-2019-01-31 |  |  |
| 369 | 2019-02-07 | 13:08:32 | trans.o065 |  |  |
| 370 | 2019-02-07 | 13:08:33 | trans.o066 |  |  |
| 371 | 2019-02-07 | 14:17:12 | EXFOR-2019-02-07 |  |  |
| 372 | 2019-02-18 | 10:15:55 | trans.f070 |  |  |
| 373 | 2019-02-18 | 10:31:54 | EXFOR-2019-02-18 |  |  |
| 374 | 2019-02-19 | 11:29:18 | trans.2268 |  |  |
| 375 | 2019-02-19 | 11:44:14 | EXFOR-2019-02-19 |  |  |
| 376 | 2019-02-21 | 09:42:14 | trans.l037 |  |  |
| 377 | 2019-02-21 | 09:58:51 | EXFOR-2019-02-21 |  |  |
| 378 | 2019-02-22 | 15:37:56 | trans.2269 | 20384, 23370, 23377, 23396 |  |
| 379 | 2019-02-22 | 15:37:57 | trans.2270 |  |  |
| 380 | 2019-02-22 | 15:37:58 | trans.2271 |  |  |
| 381 | 2019-02-22 | 15:37:59 | trans.k018 |  |  |
| 382 | 2019-02-22 | 15:37:59 | trans.r029 |  |  |
| 383 | 2019-02-22 | 18:28:20 | trans.s025 |  |  |
| 384 | 2019-02-22 | 18:43:46 | EXFOR-2019-02-22 |  |  |
| 385 | 2019-02-25 | 13:28:20 | trans.3187 |  |  |
| 386 | 2019-02-25 | 13:42:01 | EXFOR-2019-02-25 |  |  |
| 387 | 2019-03-01 | 16:22:51 | trans.1445 |  |  |
| 388 | 2019-03-01 | 16:44:17 | EXFOR-2019-03-01 |  |  |
| 389 | 2019-03-18 | 10:04:34 | trans.m099 |  |  |
| 390 | 2019-03-18 | 10:20:13 | EXFOR-2019-03-18 |  |  |
| 391 | 2019-03-19 | 10:02:08 | trans.e122 |  |  |
| 392 | 2019-03-19 | 18:05:43 | EXFOR-2019-03-19 |  |  |
| 393 | 2019-04-01 | 14:33:21 | trans.1446 |  | 13546.000-001 N2: 20181203 → 20181130 |
| 394 | 2019-04-01 | 14:33:21 | trans.4181 | 40960, 41661 |  |
| 395 | 2019-04-01 | 14:33:22 | trans.c182 |  |  |
| 396 | 2019-04-01 | 14:33:23 | trans.d119 |  |  |
| 397 | 2019-04-01 | 14:48:05 | EXFOR-2019-04-01 |  |  |
| 398 | 2019-04-05 | 16:49:20 | trans.2272 | 23429, 23433 |  |
| 399 | 2019-04-05 | 17:21:29 | EXFOR-2019-04-05 |  |  |
| 400 | 2019-04-24 | 09:12:24 | trans.2273 |  |  |
| 401 | 2019-04-24 | 09:12:26 | trans.2274 |  |  |
| 402 | 2019-04-24 | 14:15:38 | trans.2275 |  |  |
| 403 | 2019-04-24 | 15:30:33 | EXFOR-2019-04-24 |  |  |
| 404 | 2019-04-25 | 13:23:26 | trans.2276 |  |  |
| 405 | 2019-04-25 | 17:18:37 | EXFOR-2019-04-25 |  |  |
| 406 | 2019-04-26 | 17:17:30 | trans.c183 |  |  |
| 407 | 2019-04-26 | 17:34:13 | EXFOR-2019-04-26 |  |  |
| 408 | 2019-04-30 | 10:30:01 | trans.1447 |  |  |
| 409 | 2019-04-30 | 10:45:14 | EXFOR-2019-04-30 |  |  |
| 410 | 2019-05-07 | 16:15:14 | trans.b029 |  |  |
| 411 | 2019-05-07 | 16:29:50 | EXFOR-2019-05-07 |  |  |
| 412 | 2019-05-29 | 08:59:52 | trans.f071 |  |  |
| 413 | 2019-05-29 | 09:28:23 | EXFOR-2019-05-29 |  |  |
| 414 | 2019-06-03 | 15:03:05 | trans.l038 |  |  |
| 415 | 2019-06-03 | 15:19:24 | EXFOR-2019-06-03 |  |  |
| 416 | 2019-06-06 | 11:20:11 | trans.c184 |  |  |
| 417 | 2019-06-06 | 11:35:41 | EXFOR-2019-06-06 |  |  |
| 418 | 2019-06-13 | 16:31:37 | trans.l039 |  |  |
| 419 | 2019-06-13 | 16:31:38 | trans.l040 |  |  |
| 420 | 2019-06-13 | 16:48:15 | EXFOR-2019-06-13 |  |  |
| 421 | 2019-06-18 | 08:55:34 | trans.2277 |  |  |
| 422 | 2019-06-18 | 09:11:14 | EXFOR-2019-06-18 |  |  |
| 423 | 2019-06-19 | 09:44:34 | trans.3188 |  |  |
| 424 | 2019-06-19 | 10:54:59 | EXFOR-2019-06-19 |  |  |
| 425 | 2019-06-19 | 12:30:26 | trans.d120 |  |  |
| 426 | 2019-07-03 | 12:19:12 | trans.1448 |  |  |
| 427 | 2019-07-03 | 12:35:11 | EXFOR-2019-07-03 |  |  |
| 428 | 2019-07-15 | 11:49:30 | trans.o067 |  |  |
| 429 | 2019-07-15 | 11:49:31 | trans.o068 |  |  |
| 430 | 2019-07-15 | 11:49:33 | trans.o069 |  |  |
| 431 | 2019-07-15 | 12:05:58 | EXFOR-2019-07-15 |  |  |
| 432 | 2019-07-18 | 18:35:52 | trans.4182 | 41669 |  |
| 433 | 2019-07-22 | 09:27:13 | trans.g043 |  |  |
| 434 | 2019-07-22 | 09:27:13 | trans.l041 |  |  |
| 435 | 2019-07-22 | 11:44:32 | trans.e123 |  |  |
| 436 | 2019-07-22 | 12:02:07 | EXFOR-2019-07-22 |  |  |
| 437 | 2019-07-25 | 11:51:00 | trans.m100 |  |  |
| 438 | 2019-07-25 | 15:14:40 | EXFOR-2019-07-25 |  |  |
| 439 | 2019-08-13 | 13:32:12 | trans.1449 |  |  |
| 440 | 2019-08-13 | 16:45:18 | EXFOR-2019-08-13 |  |  |
| 441 | 2019-08-19 | 11:44:18 | trans.1450 |  |  |
| 442 | 2019-08-19 | 19:53:34 | EXFOR-2019-08-19 |  |  |
| 443 | 2019-08-21 | 19:19:30 | trans.m101 |  |  |
| 444 | 2019-08-22 | 10:45:47 | trans.a091 | loaded after a089 |  |
| 445 | 2019-08-22 | 14:53:38 | EXFOR-2019-08-22 |  |  |
| 446 | 2019-08-29 | 07:08:11 | trans.2278 |  |  |
| 447 | 2019-08-29 | 07:08:14 | trans.2279 |  |  |
| 448 | 2019-08-29 | 10:27:47 | EXFOR-2019-08-29 |  |  |
| 449 | 2019-09-16 | 09:39:58 | trans.1451 |  |  |
| 450 | 2019-09-16 | 09:39:58 | trans.2280 | 23514, 23517, 23520-23521, 23523-23524, 23526-23529 |  |
| 451 | 2019-09-16 | 09:54:48 | EXFOR-2019-09-16 |  |  |
| 452 | 2019-09-18 | 16:09:44 | trans.1452 |  |  |
| 453 | 2019-09-18 | 16:25:20 | EXFOR-2019-09-18 |  |  |
| 454 | 2019-09-19 | 13:20:12 | trans.l042 |  |  |
| 455 | 2019-09-19 | 13:37:54 | EXFOR-2019-09-19 |  |  |
| 456 | 2019-09-26 | 17:19:36 | trans.c185 |  |  |
| 457 | 2019-09-27 | 00:04:54 | EXFOR-2019-09-26 |  |  |
| 458 | 2019-09-29 | 18:17:54 | trans.1453 |  |  |
| 459 | 2019-10-01 | 00:23:33 | EXFOR-2019-09-29 |  |  |
| 460 | 2019-10-02 | 17:54:03 | trans.2281 |  |  |
| 461 | 2019-10-02 | 22:36:47 | EXFOR-2019-10-02 |  |  |
| 462 | 2019-10-03 | 16:50:09 | trans.1454 |  |  |
| 463 | 2019-10-03 | 19:01:51 | EXFOR-2019-10-03 |  |  |
| 464 | 2019-10-08 | 00:04:10 | trans.a092 |  |  |
| 465 | 2019-10-08 | 00:04:14 | trans.f072 |  |  |
| 466 | 2019-10-08 | 00:04:17 | trans.k019 |  |  |
| 467 | 2019-10-08 | 01:12:28 | EXFOR-2019-10-08 |  |  |
| 468 | 2019-10-10 | 22:31:01 | trans.d121 |  |  |
| 469 | 2019-10-10 | 22:31:06 | trans.d122 |  |  |
| 470 | 2019-10-11 | 00:12:40 | EXFOR-2019-10-11 |  |  |
| 471 | 2019-10-14 | 10:11:22 | trans.o070 |  |  |
| 472 | 2019-10-14 | 10:09:12 | EXFOR-2019-10-14 |  |  |
| 473 | 2019-10-15 | 15:25:58 | trans.4183 |  |  |
| 474 | 2019-10-15 | 15:40:42 | EXFOR-2019-10-15 |  |  |
| 475 | 2019-10-23 | 15:41:41 | trans.1455 |  |  |
| 476 | 2019-10-23 | 15:41:41 | trans.3189 |  |  |
| 477 | 2019-10-23 | 15:41:42 | trans.3190 |  |  |
| 478 | 2019-10-23 | 13:27:48 | EXFOR-2019-10-23 |  |  |
| 479 | 2019-11-20 | 18:09:58 | trans.m102 |  |  |
| 480 | 2019-11-20 | 13:20:53 | EXFOR-2019-11-20 |  |  |
| 481 | 2019-11-22 | 13:29:29 | trans.c186 |  |  |
| 482 | 2019-11-22 | 14:31:17 | EXFOR-2019-11-22 |  |  |
| 483 | 2019-11-25 | 10:10:32 | trans.1456 |  |  |
| 484 | 2019-11-25 | 11:04:59 | EXFOR-2019-11-25 |  |  |
| 485 | 2019-12-11 | 17:26:00 | trans.3191 |  |  |
| 486 | 2019-12-11 | 18:14:26 | EXFOR-2019-12-11 |  |  |
| 487 | 2019-12-16 | 14:16:16 | trans.2282 |  |  |
| 488 | 2019-12-16 | 14:42:45 | trans.s026 |  |  |
| 489 | 2019-12-16 | 17:03:05 | trans.d123 |  |  |
| 490 | 2019-12-16 | 17:20:01 | EXFOR-2019-12-16 |  |  |
| 491 | 2019-12-17 | 10:05:36 | trans.1457 | 14331 |  |
| 492 | 2019-12-17 | 10:05:37 | trans.3192 |  |  |
| 493 | 2019-12-17 | 10:53:30 | EXFOR-2019-12-17 |  |  |
| 494 | 2019-12-18 | 09:51:31 | trans.o071 |  |  |
| 495 | 2019-12-18 | 09:51:39 | trans.o072 |  |  |
| 496 | 2019-12-18 | 10:53:12 | EXFOR-2019-12-18 |  |  |
| 497 | 2020-01-08 | 12:03:10 | trans.m103 | M0989-M0991 |  |
| 498 | 2020-01-08 | 16:26:56 | EXFOR-2020-01-08 |  |  |
| 499 | 2020-01-09 | 17:58:05 | trans.f073 |  |  |
| 500 | 2020-01-09 | 16:00:08 | EXFOR-2020-01-09 |  |  |
| 501 | 2020-01-10 | 10:54:42 | trans.1458 |  |  |
| 502 | 2020-01-10 | 11:44:58 | EXFOR-2020-01-10 |  |  |
| 503 | 2020-01-13 | 10:39:04 | trans.1459 |  |  |
| 504 | 2020-01-13 | 10:39:07 | trans.3193 |  |  |
| 505 | 2020-01-13 | 16:44:31 | trans.4184 |  |  |
| 506 | 2020-01-13 | 17:30:20 | EXFOR-2020-01-13 |  |  |
| 507 | 2020-01-20 | 10:02:34 | trans.e124 |  |  |
| 508 | 2020-01-20 | 10:50:24 | EXFOR-2020-01-20 |  |  |
| 509 | 2020-01-21 | 10:40:52 | trans.e125 |  |  |
| 510 | 2020-01-21 | 10:40:54 | trans.k020 |  |  |
| 511 | 2020-01-21 | 11:10:03 | EXFOR-2020-01-21 |  |  |
| 512 | 2020-01-23 | 12:07:43 | trans.d124 |  |  |
| 513 | 2020-01-23 | 12:59:29 | EXFOR-2020-01-23 |  |  |
| 514 | 2020-01-28 | 10:14:22 | trans.2283 |  |  |
| 515 | 2020-01-28 | 11:00:17 | EXFOR-2020-01-28 |  |  |
| 516 | 2020-02-04 | 10:02:37 | trans.r030 |  |  |
| 517 | 2020-02-04 | 10:39:08 | EXFOR-2020-02-04 |  |  |
| 518 | 2020-02-10 | 13:03:02 | trans.1460 |  |  |
| 519 | 2020-02-10 | 13:03:03 | trans.l043 |  |  |
| 520 | 2020-02-10 | 13:48:27 | EXFOR-2020-02-10 |  |  |
| 521 | 2020-02-17 | 16:51:59 | trans.4185 |  |  |
| 522 | 2020-02-17 | 17:39:44 | EXFOR-2020-02-17 |  |  |
| 523 | 2020-02-18 | 11:51:57 | trans.m104 |  |  |
| 524 | 2020-02-18 | 11:51:59 | trans.m105 |  |  |
| 525 | 2020-02-18 | 12:37:27 | EXFOR-2020-02-18 |  |  |
| 526 | 2020-03-02 | 17:03:30 | trans.2284 |  |  |
| 527 | 2020-03-02 | 17:03:32 | trans.3194 |  |  |
| 528 | 2020-03-02 | 17:03:34 | trans.o073 |  |  |
| 529 | 2020-03-02 | 17:55:04 | EXFOR-2020-03-02 |  |  |
| 530 | 2020-03-05 | 19:39:05 | trans.2285 |  |  |
| 531 | 2020-03-05 | 19:39:08 | trans.o074 |  |  |
| 532 | 2020-03-05 | 20:17:23 | EXFOR-2020-03-05 |  |  |
| 533 | 2020-03-09 | 11:29:15 | trans.1461 | 14555 |  |
| 534 | 2020-03-09 | 12:17:24 | EXFOR-2020-03-09 |  |  |
| 535 | 2020-03-13 | 10:22:13 | trans.1462 |  |  |
| 536 | 2020-03-13 | 10:53:42 | EXFOR-2020-03-13 |  |  |
| 537 | 2020-03-30 | 16:19:59 | trans.f074 |  |  |
| 538 | 2020-03-30 | 19:01:52 | EXFOR-2020-03-30 |  |  |
| 539 | 2020-04-13 | 09:57:25 | trans.a093 |  |  |
| 540 | 2020-04-13 | 09:57:28 | trans.c187 |  |  |
| 541 | 2020-04-13 | 19:07:04 | EXFOR-2020-04-13 |  |  |
| 542 | 2020-04-15 | 12:24:17 | trans.1463 |  |  |
| 543 | 2020-04-15 | 12:43:19 | EXFOR-2020-04-15 |  |  |
| 544 | 2020-04-16 | 10:26:42 | trans.3195 |  |  |
| 545 | 2020-04-16 | 10:26:42 | trans.d125 | D5177, D5178 |  |
| 546 | 2020-04-16 | 10:24:09 | EXFOR-2020-04-16 |  |  |
| 547 | 2020-04-21 | 17:41:53 | trans.g044 | G4074, G4075, G4076 |  |
| 548 | 2020-04-21 | 17:41:53 | trans.s027 |  |  |
| 549 | 2020-04-21 | 17:41:53 | trans.v037 |  |  |
| 550 | 2020-04-21 | 17:41:09 | EXFOR-2020-04-21 |  |  |
| 551 | 2020-04-23 | 19:38:06 | trans.m106 |  |  |
| 552 | 2020-04-23 | 19:44:47 | EXFOR-2020-04-23 |  |  |
| 553 | 2020-04-30 | 22:27:34 | trans.1464 |  |  |
| 554 | 2020-04-30 | 22:24:05 | EXFOR-2020-04-30 |  |  |
| 555 | 2020-05-15 | 22:53:24 | trans.4186 | 41683 |  |
| 556 | 2020-05-15 | 22:57:36 | EXFOR-2020-05-15 |  |  |
| 557 | 2020-05-28 | 23:30:03 | trans.d126 |  |  |
| 558 | 2020-05-28 | 23:30:03 | trans.o075 |  |  |
| 559 | 2020-05-28 | 23:34:17 | EXFOR-2020-05-28 |  |  |
| 560 | 2020-05-31 | 17:24:09 | trans.1465 | 13093 |  |
| 561 | 2020-05-31 | 17:28:21 | EXFOR-2020-05-31 |  |  |
| 562 | 2020-06-10 | 11:02:50 | trans.f075 |  |  |
| 563 | 2020-06-10 | 15:28:04 | EXFOR-2020-06-10 |  |  |
| 564 | 2020-06-18 | 10:57:18 | trans.c188 |  |  |
| 565 | 2020-06-18 | 10:57:18 | trans.c189 | C2452 |  |
| 566 | 2020-06-18 | 11:01:20 | EXFOR-2020-06-18 |  |  |
| 567 | 2020-06-22 | 16:09:27 | trans.4187 |  |  |
| 568 | 2020-06-22 | 16:13:39 | EXFOR-2020-06-22 |  |  |
| 569 | 2020-06-23 | 15:02:10 | trans.2286 |  |  |
| 570 | 2020-06-23 | 15:02:10 | trans.a094 |  | A1229.000-001: F039 → A094 |
| 571 | 2020-06-23 | 16:13:02 | trans.o076 |  |  |
| 572 | 2020-06-23 | 16:17:08 | EXFOR-2020-06-23 |  |  |
| 573 | 2020-06-26 | 14:33:19 | trans.f076 |  |  |
| 574 | 2020-06-26 | 14:37:18 | EXFOR-2020-06-26 |  |  |
| 575 | 2020-06-29 | 10:51:01 | trans.f077 |  |  |
| 576 | 2020-06-29 | 10:55:07 | EXFOR-2020-06-29 |  |  |
| 577 | 2020-07-02 | 17:36:14 | trans.e126 |  |  |
| 578 | 2020-07-02 | 17:40:15 | EXFOR-2020-07-02 |  |  |
| 579 | 2020-07-08 | 20:24:12 | trans.1466 |  |  |
| 580 | 2020-07-08 | 20:28:18 | EXFOR-2020-07-08 |  |  |
| 581 | 2020-07-17 | 10:32:16 | trans.a095 |  |  |
| 582 | 2020-07-17 | 10:32:16 | trans.g045 |  |  |
| 583 | 2020-07-17 | 10:36:22 | EXFOR-2020-07-17 |  |  |
| 584 | 2020-07-24 | 21:06:59 | trans.c190 | C2469 |  |
| 585 | 2020-07-24 | 21:11:01 | EXFOR-2020-07-24 |  |  |
| 586 | 2020-07-29 | 10:45:41 | trans.o077 |  |  |
| 587 | 2020-07-29 | 10:50:25 | EXFOR-2020-07-29 |  |  |
| 588 | 2020-08-03 | 09:45:17 | trans.2287 | 23548 |  |
| 589 | 2020-08-03 | 10:00:25 | EXFOR-2020-08-03 |  |  |
| 590 | 2020-08-06 | 09:20:26 | trans.3196 |  |  |
| 591 | 2020-08-06 | 09:20:26 | trans.d127 |  |  |
| 592 | 2020-08-06 | 09:20:26 | trans.m107 |  |  |
| 593 | 2020-08-06 | 09:20:26 | trans.s028 |  |  |
| 594 | 2020-08-06 | 09:24:33 | EXFOR-2020-08-06 |  |  |
| 595 | 2020-08-11 | 12:05:04 | trans.e127 |  |  |
| 596 | 2020-08-11 | 12:09:19 | EXFOR-2020-08-11 |  |  |
| 597 | 2020-08-13 | 19:15:15 | trans.1467 | 14594, 14597, 14609 |  |
| 598 | 2020-08-13 | 19:19:20 | EXFOR-2020-08-13 |  |  |
| 599 | 2020-08-19 | 10:33:02 | trans.e128 |  |  |
| 600 | 2020-08-19 | 10:37:07 | EXFOR-2020-08-19a |  |  |
| 601 | 2020-08-19 | 11:07:28 | trans.f078 |  |  |
| 602 | 2020-08-19 | 11:11:36 | EXFOR-2020-08-19b |  |  |
| 603 | 2020-08-19 | 11:52:10 | trans.f079 |  |  |
| 604 | 2020-08-19 | 11:56:12 | EXFOR-2020-08-19 |  |  |
| 605 | 2020-08-25 | 08:00:08 | trans.c191 |  |  |
| 606 | 2020-08-25 | 08:05:23 | EXFOR-2020-08-25 |  |  |
| 607 | 2020-08-27 | 15:41:31 | trans.4188 |  |  |
| 608 | 2020-08-27 | 15:45:34 | EXFOR-2020-08-27 |  |  |
| 609 | 2020-09-01 | 17:55:36 | trans.1468 |  |  |
| 610 | 2020-09-01 | 17:59:42 | EXFOR-2020-09-01 |  |  |
| 611 | 2020-09-10 | 10:38:27 | trans.f080 |  |  |
| 612 | 2020-09-10 | 10:42:33 | EXFOR-2020-09-10a |  |  |
| 613 | 2020-09-10 | 18:04:44 | trans.c192 |  |  |
| 614 | 2020-09-10 | 18:08:50 | EXFOR-2020-09-10 |  |  |
| 615 | 2020-09-17 | 10:34:39 | trans.c193 |  |  |
| 616 | 2020-09-17 | 10:38:47 | EXFOR-2020-09-17 |  |  |
| 617 | 2020-09-25 | 12:44:07 | trans.1469 | 14607, 14617, 14619, 14624 |  |
| 618 | 2020-09-25 | 12:48:12 | EXFOR-2020-09-25a |  |  |
| 619 | 2020-09-25 | 17:22:17 | trans.c194 |  |  |
| 620 | 2020-09-25 | 17:26:18 | EXFOR-2020-09-25 |  |  |
| 621 | 2020-10-08 | 17:05:17 | trans.2288 | 23701-23712 |  |
| 622 | 2020-10-08 | 17:05:18 | trans.2289 |  |  |
| 623 | 2020-10-08 | 17:05:18 | trans.2290 |  |  |
| 624 | 2020-10-08 | 17:05:18 | trans.o078 |  |  |
| 625 | 2020-10-08 | 17:09:28 | EXFOR-2020-10-08 |  |  |
| 626 | 2020-10-13 | 22:55:46 | trans.f081 |  |  |
| 627 | 2020-10-13 | 22:59:56 | EXFOR-2020-10-13 |  |  |
| 628 | 2020-10-15 | 10:07:09 | trans.e129 |  |  |
| 629 | 2020-10-15 | 10:11:23 | EXFOR-2020-10-15 |  |  |
| 630 | 2020-10-19 | 10:10:04 | trans.1470 |  |  |
| 631 | 2020-10-19 | 10:14:21 | EXFOR-2020-10-19 |  |  |
| 632 | 2020-10-27 | 10:52:38 | trans.e130 |  |  |
| 633 | 2020-10-27 | 10:56:46 | EXFOR-2020-10-27 |  |  |
| 634 | 2020-10-28 | 12:42:17 | trans.c195 |  |  |
| 635 | 2020-10-28 | 12:46:29 | EXFOR-2020-10-28 |  |  |
| 636 | 2020-11-13 | 12:11:03 | trans.4189 |  |  |
| 637 | 2020-11-13 | 12:15:20 | EXFOR-2020-11-13 |  |  |
| 638 | 2020-11-19 | 21:20:37 | trans.d128 |  |  |
| 639 | 2020-11-19 | 21:24:48 | EXFOR-2020-11-19 |  |  |
| 640 | 2020-11-25 | 10:10:54 | trans.1471 |  |  |
| 641 | 2020-11-25 | 10:15:05 | EXFOR-2020-11-25 |  |  |
| 642 | 2020-12-02 | 09:54:51 | trans.4190 |  |  |
| 643 | 2020-12-02 | 09:59:04 | EXFOR-2020-12-02 |  |  |
| 644 | 2020-12-03 | 16:45:22 | trans.3197 |  |  |
| 645 | 2020-12-03 | 16:49:37 | EXFOR-2020-12-03 |  |  |
| 646 | 2020-12-04 | 11:32:29 | trans.m108 |  |  |
| 647 | 2020-12-04 | 11:36:39 | EXFOR-2020-12-04 |  |  |
| 648 | 2020-12-19 | 10:16:42 | trans.m109 |  |  |
| 649 | 2020-12-19 | 10:21:04 | EXFOR-2020-12-19 |  |  |
| 650 | 2021-01-05 | 11:20:43 | trans.2291 |  |  |
| 651 | 2021-01-05 | 11:20:44 | trans.2292 |  |  |
| 652 | 2021-01-05 | 11:20:44 | trans.o079 |  |  |
| 653 | 2021-01-05 | 11:25:18 | EXFOR-2021-01-05 |  |  |
| 654 | 2021-01-06 | 10:58:44 | trans.2293 |  |  |
| 655 | 2021-01-06 | 10:58:44 | trans.2294 |  |  |
| 656 | 2021-01-06 | 11:03:02 | EXFOR-2021-01-06a |  |  |
| 657 | 2021-01-06 | 17:53:49 | trans.2295 |  |  |
| 658 | 2021-01-06 | 17:58:07 | EXFOR-2021-01-06 |  |  |
| 659 | 2021-01-12 | 13:48:30 | trans.o080 |  |  |
| 660 | 2021-01-12 | 13:52:42 | EXFOR-2021-01-12 |  |  |
| 661 | 2021-01-18 | 10:32:05 | trans.c196 |  |  |
| 662 | 2021-01-18 | 10:36:16 | EXFOR-2021-01-18a |  |  |
| 663 | 2021-01-18 | 17:51:13 | trans.m110 |  |  |
| 664 | 2021-01-18 | 17:55:24 | EXFOR-2021-01-18 |  |  |
| 665 | 2021-01-20 | 22:31:36 | trans.4191 | 41711 |  |
| 666 | 2021-01-20 | 22:36:39 | EXFOR-2021-01-20 |  |  |
| 667 | 2021-01-28 | 22:15:37 | trans.1472 |  |  |
| 668 | 2021-01-28 | 22:21:08 | EXFOR-2021-01-28 |  |  |
| 669 | 2021-01-30 | 22:06:04 | trans.c197 |  |  |
| 670 | 2021-01-30 | 22:12:46 | EXFOR-2021-01-30 |  |  |
| 671 | 2021-02-15 | 20:55:06 | trans.b030 |  |  |
| 672 | 2021-02-15 | 20:59:27 | EXFOR-2021-02-15 |  |  |
| 673 | 2021-02-16 | 08:21:37 | trans.c198 |  |  |
| 674 | 2021-02-16 | 08:25:57 | EXFOR-2021-02-16a |  |  |
| 675 | 2021-02-16 | 20:27:06 | trans.v038 |  |  |
| 676 | 2021-02-16 | 20:31:21 | EXFOR-2021-02-16 |  |  |
| 677 | 2021-02-17 | 12:55:43 | trans.g046 |  |  |
| 678 | 2021-02-17 | 12:59:58 | EXFOR-2021-02-17 |  |  |
| 679 | 2021-02-19 | 21:53:34 | trans.d129 |  |  |
| 680 | 2021-02-19 | 21:57:50 | EXFOR-2021-02-19 |  |  |
| 681 | 2021-02-20 | 12:08:00 | trans.3198 |  |  |
| 682 | 2021-02-20 | 12:12:10 | EXFOR-2021-02-20 |  |  |
| 683 | 2021-02-24 | 22:36:58 | trans.1473 |  |  |
| 684 | 2021-02-24 | 22:41:17 | EXFOR-2021-02-24 |  |  |
| 685 | 2021-03-03 | 16:37:04 | trans.2296 |  |  |
| 686 | 2021-03-03 | 16:41:23 | EXFOR-2021-03-03 |  |  |
| 687 | 2021-03-05 | 12:02:15 | trans.o081 |  |  |
| 688 | 2021-03-05 | 12:02:16 | trans.s029 |  |  |
| 689 | 2021-03-05 | 12:06:30 | EXFOR-2021-03-05 |  |  |
| 690 | 2021-03-16 | 10:42:47 | trans.4192 | 41733 |  |
| 691 | 2021-03-16 | 10:47:00 | EXFOR-2021-03-16 |  |  |
| 692 | 2021-03-20 | 13:05:42 | trans.4193 |  |  |
| 693 | 2021-03-20 | 13:09:58 | EXFOR-2021-03-20 |  |  |
| 694 | 2021-03-22 | 11:26:04 | trans.l044 |  |  |
| 695 | 2021-03-22 | 11:30:21 | EXFOR-2021-03-22 |  |  |
| 696 | 2021-04-06 | 11:24:22 | trans.a096 |  |  |
| 697 | 2021-04-06 | 11:28:39 | EXFOR-2021-04-06 |  |  |
| 698 | 2021-04-15 | 19:11:22 | trans.f082 |  |  |
| 699 | 2021-04-15 | 19:18:12 | EXFOR-2021-04-15 |  |  |
| 700 | 2021-04-21 | 11:47:29 | trans.1474 |  |  |
| 701 | 2021-04-21 | 11:51:46 | EXFOR-2021-04-21 |  |  |
| 702 | 2021-04-22 | 12:58:17 | trans.2297 |  |  |
| 703 | 2021-04-22 | 13:02:33 | EXFOR-2021-04-22 |  |  |
| 704 | 2021-04-23 | 11:00:48 | trans.o082 |  |  |
| 705 | 2021-04-23 | 11:05:07 | EXFOR-2021-04-23 |  |  |
| 706 | 2021-04-27 | 17:07:54 | trans.1475 |  |  |
| 707 | 2021-04-27 | 17:12:10 | EXFOR-2021-04-27 |  |  |
| 708 | 2021-05-18 | 16:32:59 | trans.2298 |  |  |
| 709 | 2021-05-18 | 16:32:59 | trans.o083 |  |  |
| 710 | 2021-05-18 | 20:11:35 | trans.m111 |  |  |
| 711 | 2021-05-18 | 20:15:59 | EXFOR-2021-05-18 |  |  |
| 712 | 2021-05-22 | 12:14:46 | trans.3199 |  |  |
| 713 | 2021-05-22 | 12:14:46 | trans.v039 |  |  |
| 714 | 2021-05-22 | 12:19:02 | EXFOR-2021-05-22 |  |  |
| 715 | 2021-05-24 | 13:09:42 | trans.c199 |  |  |
| 716 | 2021-05-24 | 13:13:59 | EXFOR-2021-05-24 |  |  |
| 717 | 2021-05-25 | 21:08:28 | trans.1476 |  |  |
| 718 | 2021-05-25 | 21:12:45 | EXFOR-2021-05-25 |  |  |
| 719 | 2021-06-01 | 10:30:56 | trans.a097 |  |  |
| 720 | 2021-06-01 | 10:39:36 | EXFOR-2021-06-01 |  |  |
| 721 | 2021-06-07 | 12:43:05 | trans.e131 |  |  |
| 722 | 2021-06-07 | 12:47:22 | EXFOR-2021-06-07-1 |  |  |
| 723 | 2021-06-07 | 14:12:11 | trans.1477 |  |  |
| 724 | 2021-06-07 | 14:16:33 | EXFOR-2021-06-07-2 |  |  |
| 725 | 2021-06-07 | 23:32:29 | trans.4194 |  |  |
| 726 | 2021-06-07 | 23:36:48 | EXFOR-2021-06-07 |  |  |
| 727 | 2021-06-15 | 19:33:14 | trans.3200 |  |  |
| 728 | 2021-06-15 | 19:33:14 | trans.d130 |  |  |
| 729 | 2021-06-15 | 20:08:51 | EXFOR-2021-06-15 |  |  |
| 730 | 2021-06-22 | 11:59:38 | trans.e132 |  |  |
| 731 | 2021-06-22 | 12:04:23 | EXFOR-2021-06-22 |  |  |
| 732 | 2021-06-25 | 10:38:27 | trans.2299 |  |  |
| 733 | 2021-06-25 | 10:42:40 | EXFOR-2021-06-25 |  |  |
| 734 | 2021-06-28 | 10:33:21 | trans.l045 |  |  |
| 735 | 2021-06-28 | 10:33:21 | trans.m112 |  |  |
| 736 | 2021-06-28 | 10:37:38 | EXFOR-2021-06-28 |  |  |
| 737 | 2021-08-09 | 12:05:33 | trans.1478 |  |  |
| 738 | 2021-08-09 | 12:09:46 | EXFOR-2021-08-09 |  |  |
| 739 | 2021-08-10 | 10:13:06 | trans.m113 |  |  |
| 740 | 2021-08-10 | 10:17:41 | EXFOR-2021-08-10a |  |  |
| 741 | 2021-08-10 | 14:09:14 | trans.4195 |  |  |
| 742 | 2021-08-10 | 14:09:14 | trans.4196 |  |  |
| 743 | 2021-08-10 | 14:16:25 | EXFOR-2021-08-10 |  |  |
| 744 | 2021-08-13 | 08:02:11 | trans.f083 |  |  |
| 745 | 2021-08-13 | 08:06:41 | EXFOR-2021-08-13 |  |  |
| 746 | 2021-08-17 | 10:28:13 | trans.f084 |  |  |
| 747 | 2021-08-17 | 10:32:25 | EXFOR-2021-08-17 |  |  |
| 748 | 2021-08-19 | 17:04:00 | trans.f085 |  |  |
| 749 | 2021-08-19 | 17:08:17 | EXFOR-2021-08-19 |  |  |
| 750 | 2021-08-20 | 16:38:30 | trans.1479 |  |  |
| 751 | 2021-08-20 | 16:38:30 | trans.c200 |  |  |
| 752 | 2021-08-20 | 16:42:42 | EXFOR-2021-08-20 |  |  |
| 753 | 2021-08-23 | 19:56:18 | trans.1480 |  |  |
| 754 | 2021-08-23 | 20:00:35 | EXFOR-2021-08-23 |  |  |
| 755 | 2021-08-24 | 22:28:05 | trans.2300 |  |  |
| 756 | 2021-08-24 | 22:32:23 | EXFOR-2021-08-24 |  |  |
| 757 | 2021-09-07 | 20:20:29 | trans.c201 |  |  |
| 758 | 2021-09-07 | 20:24:50 | EXFOR-2021-09-07 |  |  |
| 759 | 2021-09-14 | 10:04:05 | trans.1481 | 14658 |  |
| 760 | 2021-09-14 | 10:04:05 | trans.4197 |  |  |
| 761 | 2021-09-14 | 10:08:23 | EXFOR-2021-09-14 |  |  |
| 762 | 2021-09-15 | 20:29:38 | trans.4198 |  |  |
| 763 | 2021-09-15 | 20:33:54 | EXFOR-2021-09-15 |  |  |
| 764 | 2021-09-21 | 13:09:10 | trans.a098 |  |  |
| 765 | 2021-09-21 | 13:13:27 | EXFOR-2021-09-21 |  |  |
| 766 | 2021-09-29 | 20:07:54 | trans.3201 |  |  |
| 767 | 2021-09-29 | 20:07:54 | trans.d131 |  |  |
| 768 | 2021-09-29 | 20:07:54 | trans.g047 |  |  |
| 769 | 2021-09-29 | 20:12:17 | EXFOR-2021-09-29 |  |  |
| 770 | 2021-10-01 | 16:50:43 | trans.4199 |  |  |
| 771 | 2021-10-01 | 16:50:43 | trans.m114 |  |  |
| 772 | 2021-10-01 | 16:55:01 | EXFOR-2021-10-01 |  |  |
| 773 | 2021-10-05 | 16:09:27 | trans.f086 |  |  |
| 774 | 2021-10-05 | 16:13:44 | EXFOR-2021-10-05 |  |  |
| 775 | 2021-10-22 | 17:15:56 | trans.c202 |  |  |
| 776 | 2021-10-22 | 17:20:11 | EXFOR-2021-10-22 |  |  |
| 777 | 2021-11-08 | 17:13:27 | trans.1482 |  |  |
| 778 | 2021-11-08 | 17:13:27 | trans.1483 |  |  |
| 779 | 2021-11-08 | 17:17:40 | EXFOR-2021-11-08 |  |  |
| 780 | 2021-11-12 | 14:48:43 | trans.4200 |  |  |
| 781 | 2021-11-12 | 14:52:58 | EXFOR-2021-11-12 |  |  |
| 782 | 2021-11-17 | 14:45:43 | trans.3202 |  |  |
| 783 | 2021-11-17 | 17:21:25 | trans.d132 |  |  |
| 784 | 2021-11-17 | 17:25:39 | EXFOR-2021-11-17 |  |  |
| 785 | 2021-11-22 | 12:30:07 | trans.m115 |  |  |
| 786 | 2021-11-22 | 12:34:23 | EXFOR-2021-11-22 |  |  |
| 787 | 2021-11-23 | 10:32:33 | trans.c203 |  | T0200.000-001: T022 → C203; T0200.002-003: T020 → C203; T0201.000-004: T020 → C203 |
| 788 | 2021-11-23 | 10:32:33 | trans.l046 |  |  |
| 789 | 2021-11-23 | 10:36:52 | EXFOR-2021-11-23 |  |  |
| 790 | 2021-12-01 | 16:15:00 | trans.2301 |  |  |
| 791 | 2021-12-01 | 16:19:15 | EXFOR-2021-12-01 |  |  |
| 792 | 2021-12-02 | 12:08:01 | trans.2302 |  |  |
| 793 | 2021-12-02 | 12:08:01 | trans.l047 | L0269 |  |
| 794 | 2021-12-02 | 12:12:16 | EXFOR-2021-12-02 |  |  |
| 795 | 2021-12-07 | 11:01:40 | trans.1484 |  |  |
| 796 | 2021-12-07 | 11:05:57 | EXFOR-2021-12-07 |  |  |
| 797 | 2021-12-08 | 23:55:58 | trans.1485 |  |  |
| 798 | 2021-12-09 | 00:00:39 | EXFOR-2021-12-08 |  |  |
| 799 | 2021-12-15 | 10:37:23 | trans.f087 |  |  |
| 800 | 2021-12-15 | 10:42:13 | EXFOR-2021-12-15a |  |  |
| 801 | 2021-12-15 | 13:27:19 | trans.c204 |  |  |
| 802 | 2021-12-15 | 13:31:32 | EXFOR-2021-12-15 |  |  |
| 803 | 2021-12-21 | 10:20:43 | trans.3203 |  |  |
| 804 | 2021-12-21 | 10:24:50 | EXFOR-2021-12-21 |  |  |
| 805 | 2022-01-04 | 12:02:47 | trans.o084 |  |  |
| 806 | 2022-01-04 | 12:07:02 | EXFOR-2022-01-04 |  |  |
| 807 | 2022-01-12 | 10:39:08 | trans.o085 |  |  |
| 808 | 2022-01-12 | 10:43:33 | EXFOR-2022-01-12a |  |  |
| 809 | 2022-01-12 | 19:17:08 | trans.3204 |  |  |
| 810 | 2022-01-12 | 19:17:08 | trans.d133 |  |  |
| 811 | 2022-01-12 | 19:22:08 | EXFOR-2022-01-12 |  |  |
| 812 | 2022-01-13 | 15:40:00 | trans.m116 |  |  |
| 813 | 2022-01-13 | 15:40:00 | trans.4201 |  |  |
| 814 | 2022-01-13 | 15:44:31 | EXFOR-2022-01-13 |  |  |
| 815 | 2022-01-17 | 17:28:36 | trans.2303 |  |  |
| 816 | 2022-01-17 | 17:32:56 | EXFOR-2022-01-17 |  |  |
| 817 | 2022-01-19 | 22:39:40 | trans.c205 |  |  |
| 818 | 2022-01-19 | 22:44:01 | EXFOR-2022-01-19 |  |  |
| 819 | 2022-01-24 | 16:02:11 | trans.3205 |  |  |
| 820 | 2022-01-24 | 16:02:11 | trans.b031 |  |  |
| 821 | 2022-01-24 | 16:02:11 | trans.d134 |  |  |
| 822 | 2022-01-24 | 16:06:52 | EXFOR-2022-01-24 |  |  |
| 823 | 2022-01-26 | 11:26:56 | trans.1486 |  |  |
| 824 | 2022-01-26 | 11:32:11 | EXFOR-2022-01-26 |  |  |
| 825 | 2022-01-28 | 11:29:09 | trans.c206 |  |  |
| 826 | 2022-01-28 | 11:33:59 | EXFOR-2022-01-28 |  |  |
| 827 | 2022-01-31 | 14:44:26 | trans.4202 |  |  |
| 828 | 2022-01-31 | 14:44:26 | trans.b032 |  |  |
| 829 | 2022-01-31 | 14:49:14 | EXFOR-2022-01-31 |  |  |
| 830 | 2022-02-15 | 10:26:44 | trans.1487 |  |  |
| 831 | 2022-02-15 | 10:26:45 | trans.c207 |  |  |
| 832 | 2022-02-15 | 10:31:34 | EXFOR-2022-02-15 |  |  |
| 833 | 2022-02-17 | 17:56:29 | trans.c208 | C2614, C2615 |  |
| 834 | 2022-02-17 | 18:01:23 | EXFOR-2022-02-17 |  |  |
| 835 | 2022-03-01 | 11:25:47 | trans.1488 |  |  |
| 836 | 2022-03-01 | 11:30:39 | EXFOR-2022-03-01 |  |  |
| 837 | 2022-03-03 | 10:27:00 | trans.3206 |  |  |
| 838 | 2022-03-03 | 10:31:51 | EXFOR-2022-03-03 |  |  |
| 839 | 2022-03-06 | 13:48:23 | trans.4203 |  |  |
| 840 | 2022-03-06 | 13:53:21 | EXFOR-2022-03-06 |  |  |
| 841 | 2022-03-07 | 14:20:05 | trans.1489 | 14544 |  |
| 842 | 2022-03-07 | 14:24:56 | EXFOR-2022-03-07 |  |  |
| 843 | 2022-03-19 | 13:37:18 | trans.2304 |  |  |
| 844 | 2022-03-19 | 13:37:18 | trans.2305 |  |  |
| 845 | 2022-03-19 | 13:37:18 | trans.2306 |  |  |
| 846 | 2022-03-19 | 13:37:18 | trans.2307 |  |  |
| 847 | 2022-03-19 | 13:42:16 | EXFOR-2022-03-19 |  |  |
| 848 | 2022-03-21 | 17:21:39 | trans.d135 |  |  |
| 849 | 2022-03-21 | 17:21:39 | trans.g048 |  |  |
| 850 | 2022-03-21 | 17:26:30 | EXFOR-2022-03-21 |  |  |
| 851 | 2022-03-23 | 12:47:42 | trans.s030 |  |  |
| 852 | 2022-03-23 | 12:52:31 | EXFOR-2022-03-23 |  |  |
| 853 | 2022-03-28 | 14:33:05 | trans.1490 |  |  |
| 854 | 2022-03-28 | 14:33:05 | trans.c209 |  |  |
| 855 | 2022-03-28 | 14:37:56 | EXFOR-2022-03-28 |  |  |
| 856 | 2022-04-01 | 12:53:21 | trans.m117 |  |  |
| 857 | 2022-04-01 | 12:58:14 | EXFOR-2022-04-01 |  |  |
| 858 | 2022-04-19 | 18:50:39 | trans.1491 |  |  |
| 859 | 2022-04-19 | 18:55:35 | EXFOR-2022-04-19 |  |  |
| 860 | 2022-05-04 | 14:07:14 | trans.1492 |  |  |
| 861 | 2022-05-04 | 14:12:12 | EXFOR-2022-05-04 |  |  |
| 862 | 2022-05-24 | 10:11:14 | trans.c210 |  |  |
| 863 | 2022-05-24 | 10:16:17 | EXFOR-2022-05-24 |  |  |
| 864 | 2022-05-30 | 14:46:40 | trans.3207 |  |  |
| 865 | 2022-05-30 | 14:46:40 | trans.b033 |  |  |
| 866 | 2022-05-30 | 14:46:40 | trans.d136 |  |  |
| 867 | 2022-05-30 | 14:51:39 | EXFOR-2022-05-30 |  |  |
| 868 | 2022-05-31 | 14:19:40 | trans.l048 |  |  |
| 869 | 2022-05-31 | 14:24:47 | EXFOR-2022-05-31 |  |  |
| 870 | 2022-06-07 | 13:43:27 | trans.o086 |  |  |
| 871 | 2022-06-07 | 13:43:27 | trans.o087 |  |  |
| 872 | 2022-06-07 | 13:48:35 | EXFOR-2022-06-07 |  |  |
| 873 | 2022-06-09 | 15:31:00 | trans.1493 |  |  |
| 874 | 2022-06-09 | 15:35:59 | EXFOR-2022-06-09 |  |  |
| 875 | 2022-06-10 | 12:45:30 | trans.4204 |  |  |
| 876 | 2022-06-10 | 12:45:30 | trans.4205 |  |  |
| 877 | 2022-06-10 | 12:50:26 | EXFOR-2022-06-10 |  |  |
| 878 | 2022-06-13 | 17:42:58 | trans.e133 |  |  |
| 879 | 2022-06-13 | 17:42:58 | trans.e134 |  |  |
| 880 | 2022-06-13 | 17:48:01 | EXFOR-2022-06-13 |  |  |
| 881 | 2022-06-28 | 12:30:27 | trans.4206 |  |  |
| 882 | 2022-06-28 | 12:30:27 | trans.m118 |  |  |
| 883 | 2022-06-28 | 12:30:27 | trans.v040 |  |  |
| 884 | 2022-06-28 | 12:35:24 | EXFOR-2022-06-28 |  |  |
| 885 | 2022-07-05 | 13:16:39 | trans.a099 |  |  |
| 886 | 2022-07-05 | 13:16:39 | trans.f088 |  |  |
| 887 | 2022-07-05 | 13:21:36 | EXFOR-2022-07-05 |  |  |
| 888 | 2022-07-21 | 11:32:42 | trans.1494 |  |  |
| 889 | 2022-07-21 | 11:32:43 | trans.2308 |  |  |
| 890 | 2022-07-21 | 11:32:43 | trans.c211 |  |  |
| 891 | 2022-07-21 | 11:32:43 | trans.o088 |  |  |
| 892 | 2022-07-21 | 11:37:37 | EXFOR-2022-07-21 |  |  |
| 893 | 2022-08-03 | 09:39:30 | trans.c212 | C2707 |  |
| 894 | 2022-08-03 | 09:45:04 | EXFOR-2022-08-03a |  |  |
| 895 | 2022-08-03 | 10:04:16 | trans.1495 |  | Alteration flag C missing in 13969.000-001 |
| 896 | 2022-08-03 | 10:12:09 | EXFOR-2022-08-03 |  |  |
| 897 | 2022-08-13 | 23:35:48 | trans.s031 |  |  |
| 898 | 2022-08-13 | 23:41:14 | EXFOR-2022-08-13 |  |  |
| 899 | 2022-08-17 | 10:15:09 | trans.m119 |  |  |
| 900 | 2022-08-17 | 10:20:33 | EXFOR-2022-08-17 |  |  |
| 901 | 2022-08-18 | 11:15:56 | trans.j011 |  |  |
| 902 | 2022-08-18 | 11:15:56 | trans.k021 |  |  |
| 903 | 2022-08-18 | 11:21:25 | EXFOR-2022-08-18 |  |  |
| 904 | 2022-08-19 | 10:17:15 | trans.e135 |  |  |
| 905 | 2022-08-19 | 10:22:36 | EXFOR-2022-08-19 |  |  |
| 906 | 2022-08-22 | 22:41:43 | trans.2309 |  |  |
| 907 | 2022-08-22 | 22:41:43 | trans.2310 |  |  |
| 908 | 2022-08-22 | 22:41:44 | trans.2311 |  |  |
| 909 | 2022-08-22 | 22:47:12 | EXFOR-2022-08-22 |  |  |
| 910 | 2022-08-23 | 16:25:33 | trans.c213 |  |  |
| 911 | 2022-08-23 | 16:25:33 | trans.l049 |  |  |
| 912 | 2022-08-23 | 16:25:33 | trans.o089 |  |  |
| 913 | 2022-08-23 | 16:31:09 | EXFOR-2022-08-23 |  |  |
| 914 | 2022-08-29 | 16:56:41 | trans.c214 |  |  |
| 915 | 2022-08-29 | 17:02:09 | EXFOR-2022-08-29 |  |  |
| 916 | 2022-09-16 | 10:10:33 | trans.f089 |  |  |
| 917 | 2022-09-16 | 10:29:16 | EXFOR-2022-09-16a |  |  |
| 918 | 2022-09-16 | 18:52:50 | trans.a100 |  |  |
| 919 | 2022-09-16 | 19:13:55 | EXFOR-2022-09-16 |  |  |
| 920 | 2022-09-27 | 09:36:01 | trans.1496 |  |  |
| 921 | 2022-09-27 | 09:36:01 | trans.1497 |  |  |
| 922 | 2022-09-27 | 09:54:07 | EXFOR-2022-09-27 |  |  |
| 923 | 2022-09-28 | 10:03:49 | trans.1498 |  |  |
| 924 | 2022-09-28 | 10:21:13 | EXFOR-2022-09-28 |  |  |
| 925 | 2022-10-05 | 13:38:04 | trans.o090 |  |  |
| 926 | 2022-10-05 | 13:57:10 | EXFOR-2022-10-05 |  |  |
| 927 | 2022-10-12 | 10:45:16 | trans.l050 |  |  |
| 928 | 2022-10-12 | 11:03:45 | EXFOR-2022-10-12 |  |  |
| 929 | 2022-10-13 | 22:19:21 | trans.4207 |  |  |
| 930 | 2022-10-13 | 22:39:28 | EXFOR-2022-10-13 |  |  |
| 931 | 2022-10-17 | 15:06:07 | trans.f090 |  |  |
| 932 | 2022-10-17 | 15:06:08 | trans.f091 |  |  |
| 933 | 2022-10-17 | 15:24:57 | EXFOR-2022-10-17 |  |  |
| 934 | 2022-10-19 | 11:40:26 | trans.1499 |  |  |
| 935 | 2022-10-19 | 11:46:14 | EXFOR-2022-10-19 |  |  |
| 936 | 2022-10-21 | 13:22:01 | trans.f092 |  |  |
| 937 | 2022-10-21 | 13:27:09 | EXFOR-2022-10-21 |  |  |
| 938 | 2022-11-08 | 18:40:21 | trans.m120 |  |  |
| 939 | 2022-11-08 | 18:44:58 | EXFOR-2022-11-08 |  |  |
| 940 | 2022-11-28 | 17:27:23 | trans.c215 |  |  |
| 941 | 2022-11-28 | 17:32:24 | EXFOR-2022-11-28 |  |  |
| 942 | 2022-12-23 | 17:39:02 | trans.a101 |  |  |
| 943 | 2022-12-23 | 17:39:02 | trans.a102 |  |  |
| 944 | 2022-12-23 | 17:39:02 | trans.f093 |  |  |
| 945 | 2022-12-23 | 17:44:16 | EXFOR-2022-12-23 |  |  |
| 946 | 2022-12-26 | 19:00:16 | trans.a103 |  |  |
| 947 | 2022-12-26 | 19:05:44 | EXFOR-2022-12-26 |  |  |
| 948 | 2023-01-04 | 13:54:25 | trans.c216 |  | T0230.002,007: T018 → C216 |
| 949 | 2023-01-04 | 13:59:30 | EXFOR-2023-01-04 |  |  |
| 950 | 2023-01-13 | 11:35:17 | trans.1500 |  |  |
| 951 | 2023-01-13 | 11:35:17 | trans.c217 |  | T0086.000-001: T022 → C217 |
| 952 | 2023-01-13 | 11:40:22 | EXFOR-2023-01-13 |  |  |
| 953 | 2023-01-16 | 18:04:14 | trans.d137 |  |  |
| 954 | 2023-01-16 | 18:10:07 | EXFOR-2023-01-16 |  |  |
| 955 | 2023-01-17 | 11:24:56 | trans.b034 |  |  |
| 956 | 2023-01-17 | 11:24:56 | trans.g049 |  | G4017.002-003: D063 → G049 |
| 957 | 2023-01-17 | 11:30:26 | EXFOR-2023-01-17 |  |  |
| 958 | 2023-01-18 | 10:10:01 | trans.s032 |  |  |
| 959 | 2023-01-18 | 10:15:21 | EXFOR-2023-01-18a |  |  |
| 960 | 2023-01-18 | 13:13:16 | trans.4208 |  |  |
| 961 | 2023-01-18 | 13:13:16 | trans.v041 |  |  |
| 962 | 2023-01-18 | 13:18:22 | EXFOR-2023-01-18b |  |  |
| 963 | 2023-01-18 | 17:17:10 | trans.m121 |  |  |
| 964 | 2023-01-18 | 17:22:25 | EXFOR-2023-01-18 |  |  |
| 965 | 2023-01-20 | 09:59:08 | trans.3208 |  |  |
| 966 | 2023-01-20 | 10:04:29 | EXFOR-2023-01-20 |  |  |
| 967 | 2023-02-13 | 21:27:58 | trans.c218 |  |  |
| 968 | 2023-02-13 | 21:32:54 | EXFOR-2023-02-13 |  |  |
| 969 | 2023-02-27 | 17:49:55 | trans.4209 |  |  |
| 970 | 2023-02-27 | 17:49:55 | trans.4210 |  |  |
| 971 | 2023-02-27 | 17:54:44 | EXFOR-2023-02-27 |  |  |
| 972 | 2023-03-02 | 18:56:48 | trans.1501 |  |  |
| 973 | 2023-03-02 | 19:02:06 | EXFOR-2023-03-02 |  |  |
| 974 | 2023-03-06 | 10:08:11 | trans.1502 |  |  |
| 975 | 2023-03-06 | 10:13:17 | EXFOR-2023-03-06a |  |  |
| 976 | 2023-03-06 | 11:28:37 | trans.c219 |  |  |
| 977 | 2023-03-06 | 11:33:34 | EXFOR-2023-03-06 |  |  |
| 978 | 2023-03-07 | 10:12:51 | trans.e136 |  |  |
| 979 | 2023-03-07 | 10:12:51 | trans.m122 |  |  |
| 980 | 2023-03-07 | 10:17:57 | EXFOR-2023-03-07 |  |  |
| 981 | 2023-03-14 | 15:27:08 | trans.f094 |  |  |
| 982 | 2023-03-14 | 15:32:06 | EXFOR-2023-03-14 |  |  |
| 983 | 2023-03-15 | 12:05:14 | trans.c220 |  |  |
| 984 | 2023-03-15 | 12:10:54 | EXFOR-2023-03-15 |  |  |
| 985 | 2023-03-31 | 16:34:18 | trans.2312 |  |  |
| 986 | 2023-03-31 | 16:39:20 | EXFOR-2023-03-31a |  |  |
| 987 | 2023-03-31 | 17:33:10 | trans.o091 |  |  |
| 988 | 2023-03-31 | 17:38:11 | EXFOR-2023-03-31 |  |  |
| 989 | 2023-04-04 | 12:28:50 | trans.o092 |  |  |
| 990 | 2023-04-04 | 12:33:57 | EXFOR-2023-04-04 |  |  |
| 991 | 2023-04-11 | 18:54:49 | trans.1503 |  |  |
| 992 | 2023-04-11 | 18:59:49 | EXFOR-2023-04-11 |  |  |
| 993 | 2023-04-19 | 10:45:50 | trans.4211 |  |  |
| 994 | 2023-04-19 | 10:50:45 | EXFOR-2023-04-19 |  |  |
| 995 | 2023-04-29 | 18:29:44 | trans.c221 |  |  |
| 996 | 2023-04-29 | 18:35:09 | EXFOR-2023-04-29 |  |  |
| 997 | 2023-05-15 | 17:28:26 | trans.c222 |  |  |
| 998 | 2023-05-15 | 17:33:23 | EXFOR-2023-05-15 |  |  |
| 999 | 2023-05-23 | 14:21:43 | trans.2313 |  |  |
| 1000 | 2023-05-23 | 14:21:43 | trans.2314 |  |  |
| 1001 | 2023-05-23 | 14:21:43 | trans.o093 |  |  |
| 1002 | 2023-05-23 | 14:21:43 | trans.o094 |  |  |
| 1003 | 2023-05-23 | 14:33:33 | EXFOR-2023-05-23 | Automatic addition of "19" in N2 of this backup and later ones |  |
| 1004 | 2023-05-29 | 17:48:14 | trans.3209 |  |  |
| 1005 | 2023-05-29 | 17:48:14 | trans.b035 |  |  |
| 1006 | 2023-05-29 | 17:48:14 | trans.d138 |  |  |
| 1007 | 2023-05-29 | 17:48:14 | trans.g050 |  |  |
| 1008 | 2023-05-29 | 17:56:53 | EXFOR-2023-05-29 |  |  |
| 1009 | 2023-05-31 | 17:33:42 | trans.1504 |  |  |
| 1010 | 2023-05-31 | 17:43:04 | EXFOR-2023-05-31 |  |  |
| 1011 | 2023-06-12 | 18:40:29 | trans.m123 |  |  |
| 1012 | 2023-06-12 | 18:40:29 | trans.m124 |  |  |
| 1013 | 2023-06-12 | 18:49:06 | EXFOR-2023-06-12 |  |  |
| 1014 | 2023-06-16 | 11:47:47 | trans.4212 |  |  |
| 1015 | 2023-06-16 | 11:56:14 | EXFOR-2023-06-16 |  |  |
| 1016 | 2023-06-23 | 15:46:40 | trans.c223 |  |  |
| 1017 | 2023-06-23 | 15:55:08 | EXFOR-2023-06-23 |  |  |
| 1018 | 2023-06-26 | 17:43:23 | trans.c224 |  |  |
| 1019 | 2023-06-26 | 17:53:24 | EXFOR-2023-06-26 |  |  |
| 1020 | 2023-06-29 | 13:02:40 | trans.e137 |  |  |
| 1021 | 2023-06-29 | 13:14:48 | EXFOR-2023-06-29 |  |  |
| 1022 | 2023-07-14 | 10:38:52 | trans.c225 |  |  |
| 1023 | 2023-07-14 | 10:48:53 | EXFOR-2023-07-14 |  |  |
| 1024 | 2023-07-18 | 10:37:02 | trans.o095 |  |  |
| 1025 | 2023-07-18 | 10:47:13 | EXFOR-2023-07-18 |  |  |
| 1026 | 2023-08-16 | 12:25:44 | trans.c226 |  |  |
| 1027 | 2023-08-16 | 12:35:50 | EXFOR-2023-08-16 |  |  |
| 1028 | 2023-09-07 | 17:21:48 | trans.2315 |  |  |
| 1029 | 2023-09-07 | 17:31:08 | EXFOR-2023-09-07 |  |  |
| 1030 | 2023-09-08 | 16:46:16 | trans.4213 |  |  |
| 1031 | 2023-09-08 | 16:54:57 | EXFOR-2023-09-08 |  |  |
| 1032 | 2023-09-12 | 16:42:39 | trans.m125 |  |  |
| 1033 | 2023-09-12 | 16:51:07 | EXFOR-2023-09-12 |  |  |
| 1034 | 2023-09-13 | 11:28:49 | trans.1505 |  |  |
| 1035 | 2023-09-13 | 11:37:35 | EXFOR-2023-09-13 |  |  |
| 1036 | 2023-09-25 | 16:58:59 | trans.1506 |  |  |
| 1037 | 2023-09-25 | 17:08:35 | EXFOR-2023-09-25 |  |  |
| 1038 | 2023-09-28 | 08:54:20 | trans.2316 |  |  |
| 1039 | 2023-09-28 | 08:54:20 | trans.2317 |  |  |
| 1040 | 2023-09-28 | 08:59:08 | EXFOR-2023-09-28 |  |  |
| 1041 | 2023-10-03 | 14:50:41 | trans.e138 |  |  |
| 1042 | 2023-10-03 | 14:55:41 | EXFOR-2023-10-03 |  |  |
| 1043 | 2023-10-25 | 13:50:05 | trans.o096 |  |  |
| 1044 | 2023-10-25 | 13:55:07 | EXFOR-2023-10-25 |  |  |
| 1045 | 2023-10-27 | 10:41:26 | trans.o097 |  |  |
| 1046 | 2023-10-27 | 10:46:31 | EXFOR-2023-10-27 |  |  |