



FDR4ALT



FDR4ALT Completeness Report (MWR)



CLS-ENV-NT-22-0246

Issue 2.0 – 02/05/2023

[Confidentiality level]



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CHRONOLOGY ISSUES

Issue	Date	Object
1.0	17/05/22	Preliminary version for Phase 2 PM#1
2.0	02/05/23	Final version for Final Review

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1 Introduction

This document has been written in the frame of the FDR4ALT project, ESA contract N°4000128220/19/I-BG. It is a deliverable of task 4 of the project and identified as [D-4-01].

1.1 The FDR4ALT Project

In the frame of the ESA Heritage Space Program (former Long Term Data Preservation Program) which aims at generating innovative Earth system data records named Fundamental Data Records (basically level 1 altimeter and radiometer data) and Thematic Data Records (basically level 2+ geophysical products), ESA/ESRIN has launched a reprocessing activity of ERS-1, ERS-2 and ENVISAT altimeter and radiometer dataset, called the FDR4ALT project (Fundamental Data Records for Altimetry). A large consortium of thematic experts has been formed to perform these activities which are:

- 1) To define products including the long, harmonized record of uncertainty-quantified observations.
- 2) To define the most appropriate level 1 and level 2 processing.
- 3) To reprocess the whole times series according to the predefined processing.
- 4) To validate the different products and provide them to large communities of users focused on the observation of the atmosphere, ocean topography, ocean waves, coastal, hydrology, sea ice, ice sheet regions.

1.2 Purpose and scope of this document

This document aims at providing a detailed analysis of the completeness of the Radiometry Fundamental Data Records (MWR FDR).

1.3 Conventions

1.3.1 Terminology

This section aims at defining clearly the terminology used in the FDR4ALT deliverables.

- **Product** refers a specific type of file, defined and described by a dedicated handbook, and designed for a clear purpose (the FDR4ALT project, the REAPER project, ...). It is a “container”. One product refers to one file. The use of plural is designed to refer to a group of files, for instance the Thematic Data Products. “FDR4ALT products” will usually refer to all TDPs and FDRs, i.e., the outputs of the whole project. Note that the word “product” does not imply any notion of start date or end date, whereas “dataset” does.
- **File** can be used to refer to one single product or any other file that is not a product.
- **Parameter or variable** refers to a product’s field, i.e., the content of the product. For instance, the sea level anomaly is a parameter of the Ocean & Coastal Thematic Data Products.
Dataset can be used to refer to any group of data, not necessarily products. However, in the context of this project, it will often be used to refer to a sub-ensemble of products, on a specific period of time or a specific geographic area. For instance, the TDS (test dataset) refers to a dataset of 3 years of test products.

2 Completeness of MWR Fundamental Data Records

A global overview of data validity is provided as a donut chart such as Figure 1 (left plot). Details on data quality and reasons for flagging are represented as well.

The completeness of the FDR product is addressed through monthly plots throughout the mission lifetime. It represents the quality flag of one main parameter (here the brightness temperature of the 36.5GHz channel) using three colors according to the data's quality. The data gaps are represented as white gaps. When there is data that could not be generated into an FDR dataset due to the lack of cycle and pass definition (ORF), it appears in black.

Each column represents a day, with the 24hours of the day in y-axis. The whole x-axis spans for a month for each plot. With this mapping, data coverage and issues can easily be identified by the user for a specific date and time. Users are strongly recommended to use only data flagged as "valid", as flagged data can contain very anomalous situations.

In addition, the list of all the unavailable product files is provided, along with the reasons for unavailability.

When looking at Table 1, it appears that a certain high number of the missing telemetry (up to 61% for ERS-1) cannot be explained by any instrumental event. It could mean that effort to consolidate the L0 dataset archive could help recover some gaps, especially for ERS-1.

In addition, two problems have been identified by inspecting ERS L0 files headers that could explain some of the missing files resulting from non-processable telemetry:

- 1) For some files, start and stop times derived from OBC values and time correlation files are different from the ones reported in the filename and ASCII headers; with impact also on the assigned orbit number -> ERS-1/ERS-2: 11/36 telemetry
- 2) Several ERS L0 files were generated selecting a state vector with time beyond the expected nominal 2 hours -> ERS-1/ERS-2: 191/101 telemetry

Table 1 : Number of available and missing FDR MWR files for each mission

	Number of available files	Number of missing files (% of total dataset)	Number of missing files due to unexplained missing telemetry (% of missing files)
ERS-1	49067	1526 (3%)	937 (61.4%)
ERS-2 before Tape Recorder Failure	169139	3625 (2.1%)	1424 (39.3%)
ERS-2 after Tape Recorder Failure		15033 (8.9%)	NA
ENVISAT	101167	3409 (3.3%)	1417 (41.6%)

2.1 ERS-1

For ERS-1, the main invalidity cause are the anomalous values of calibration parameters. A small part of the mission (0.09%) is flagged 'degraded' due to the lack of precise orbit files, but it only represents the first three days of the mission lifetime. Note that due to the missing cycle/pass definition of those three days, this data cannot be provided in the FDR dataset. It appears in black in the detailed completeness hereafter.

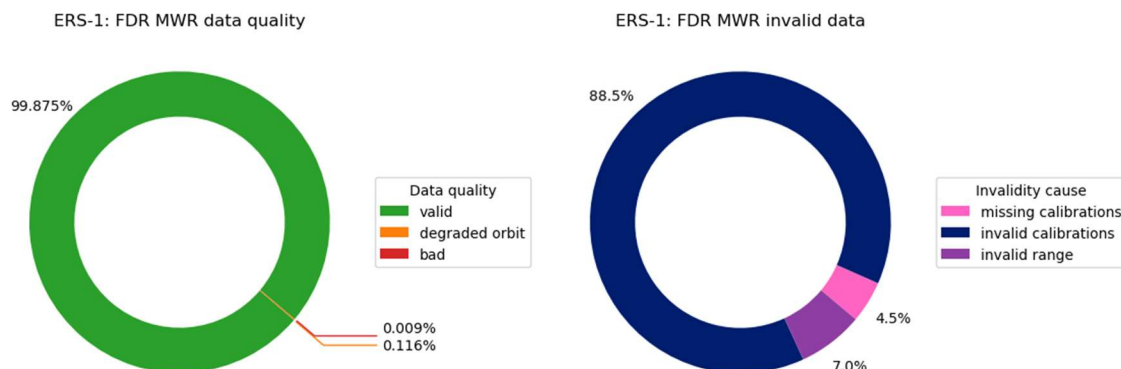
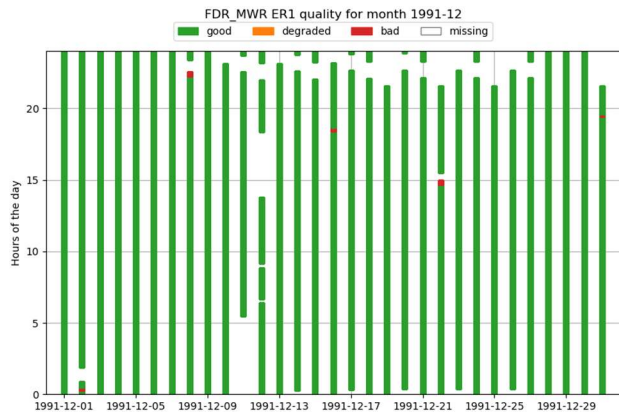
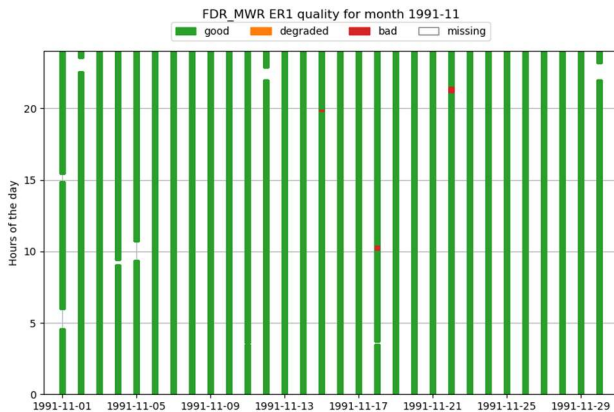
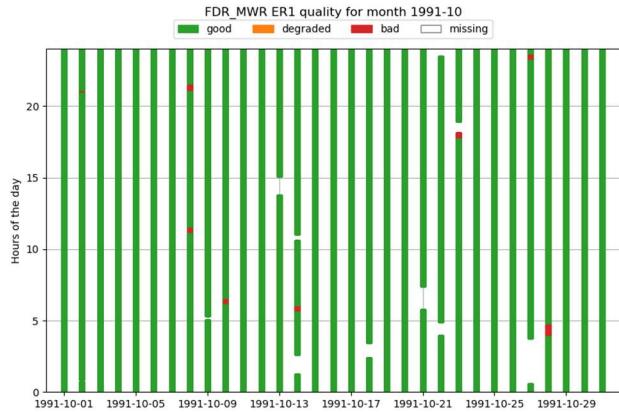
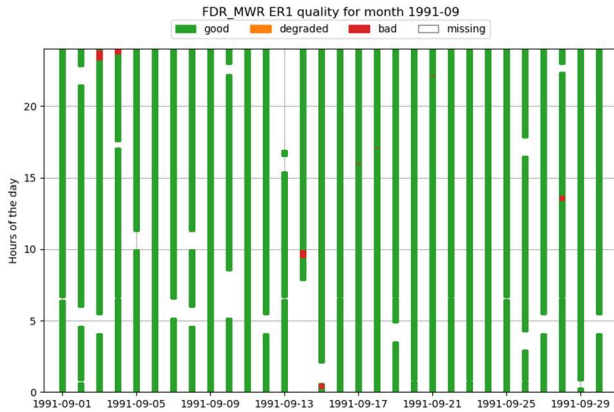
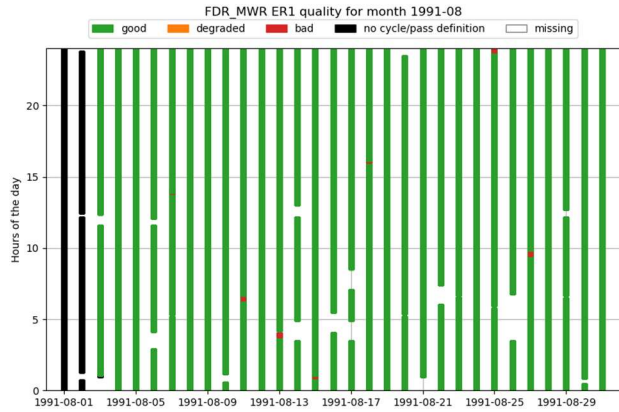
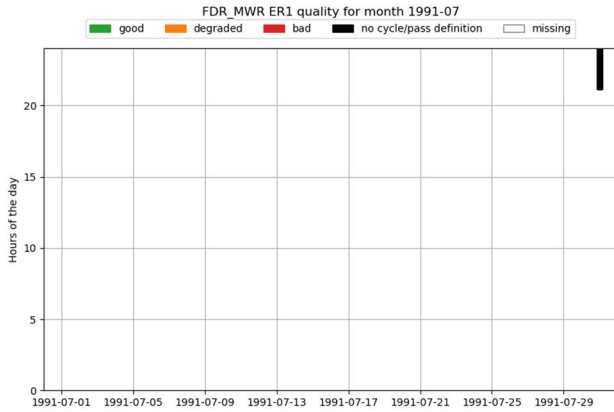


Figure 1 : Data quality and invalid data cause repartition for the full dataset of ERS-1 FDR MWR

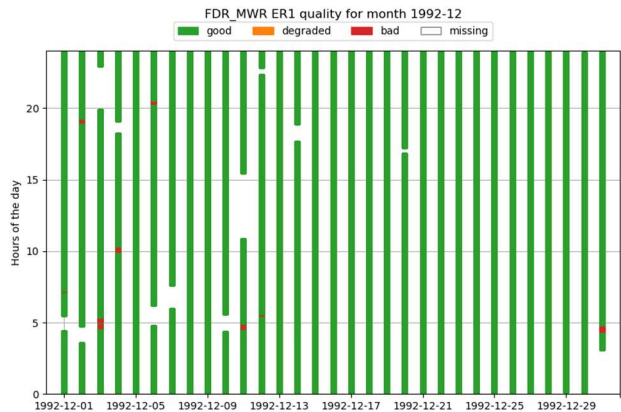
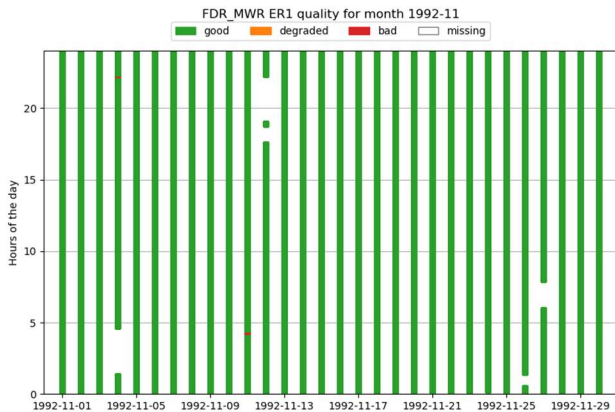
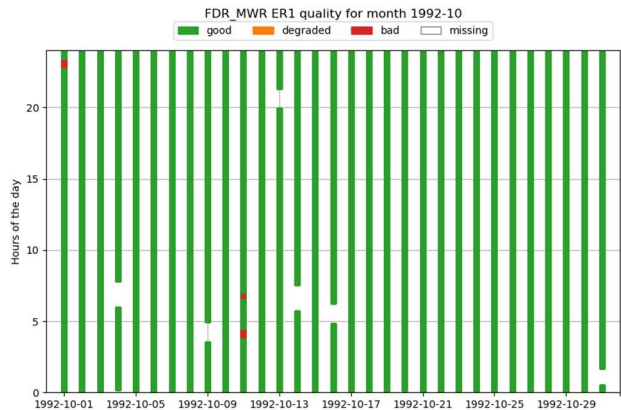
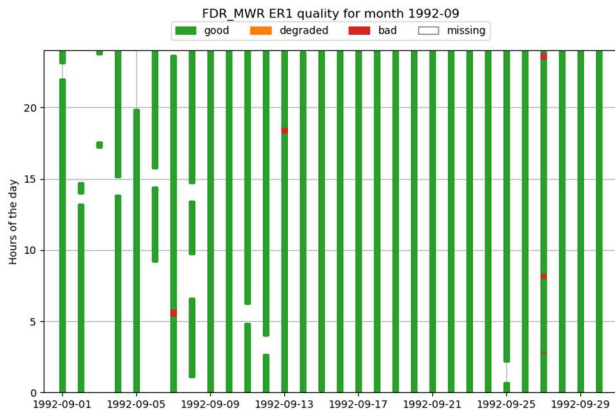
2.1.1 1991



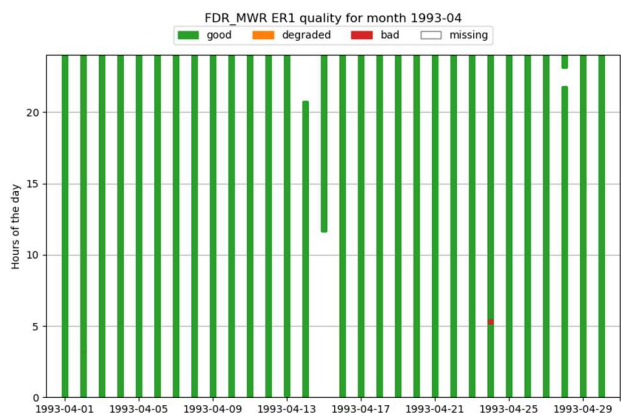
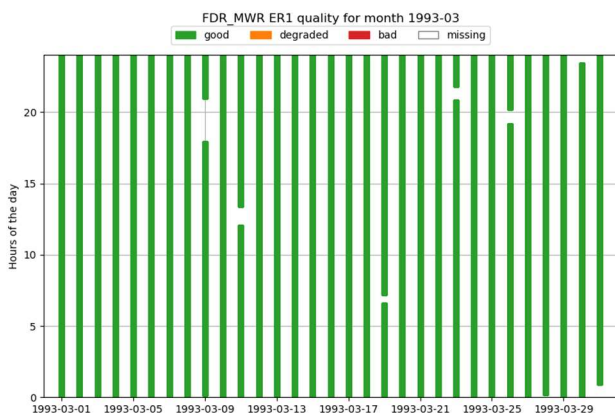
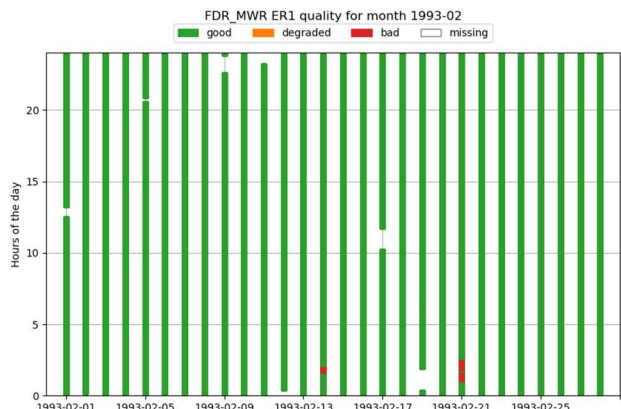
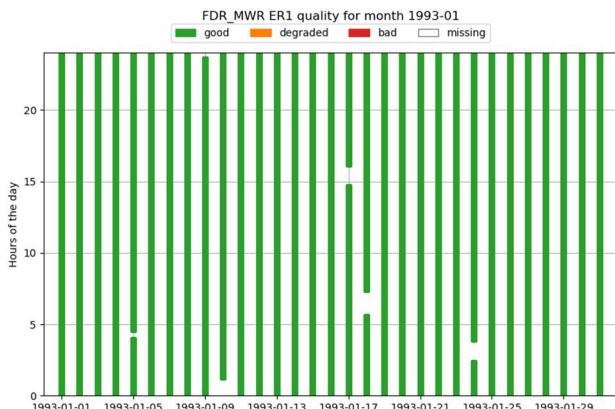


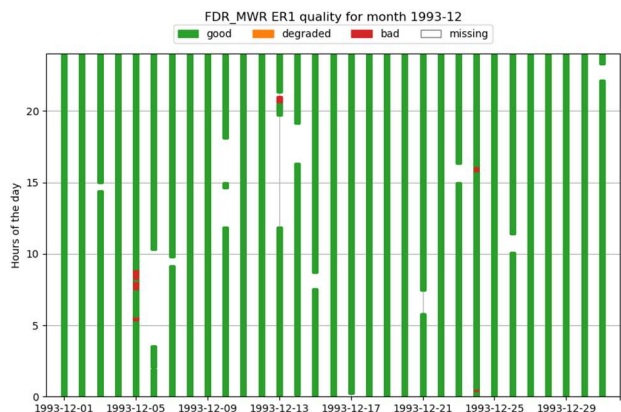
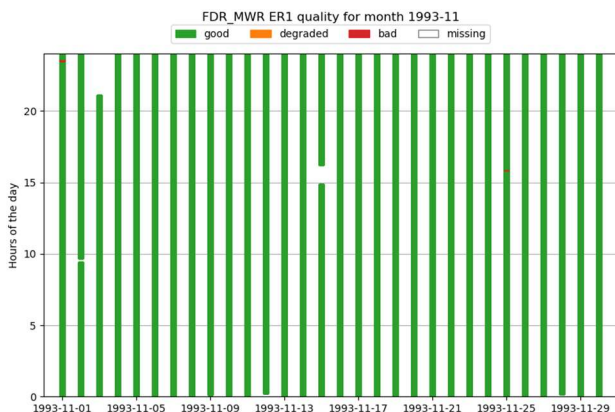
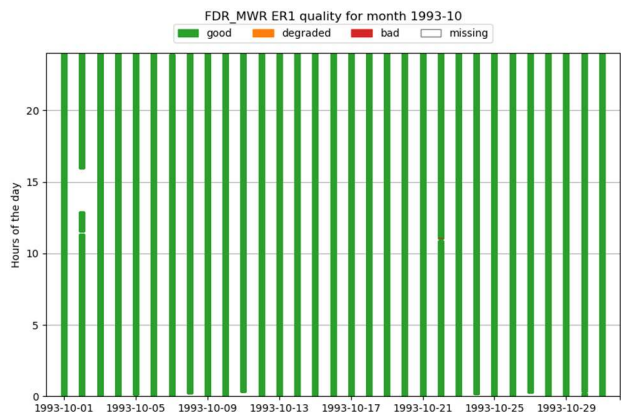
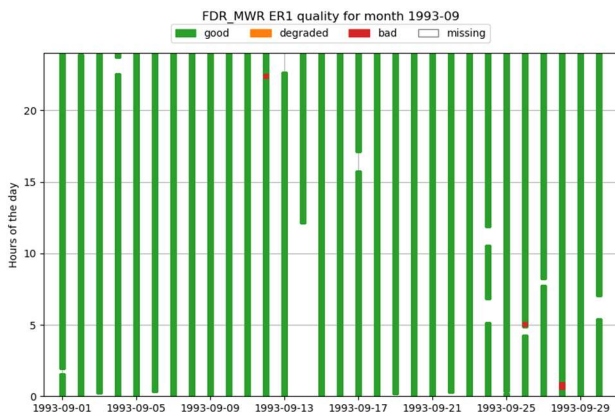
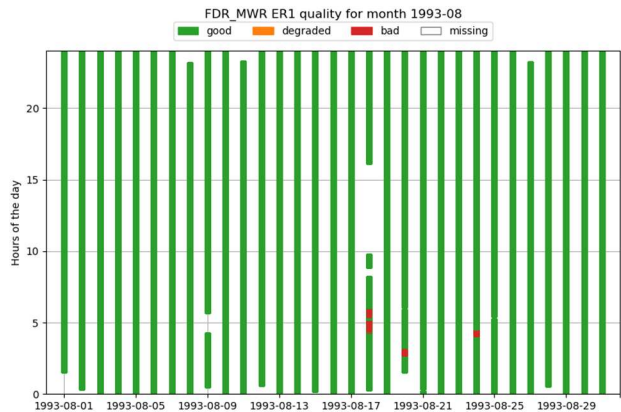
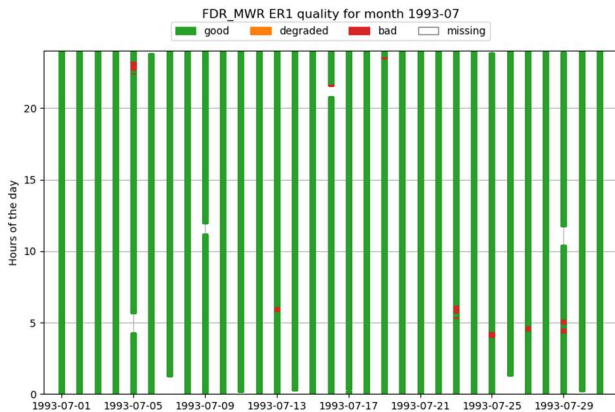
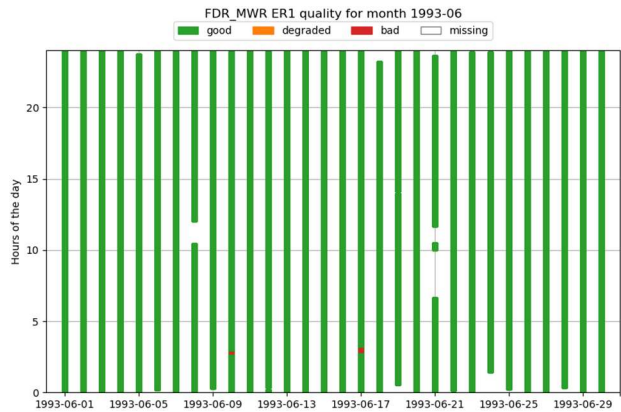
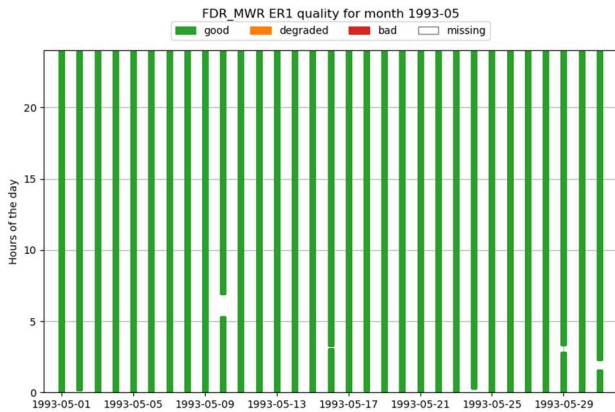
2.1.2 1992





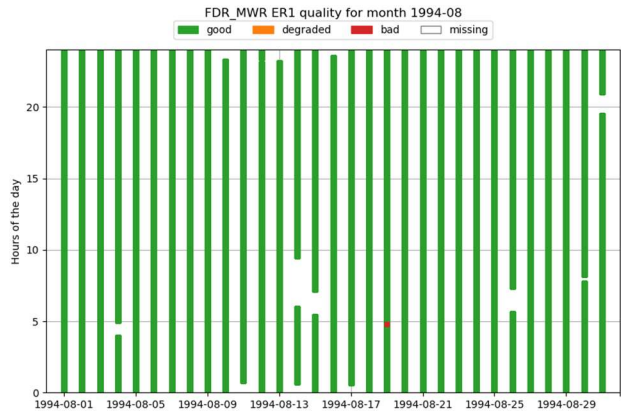
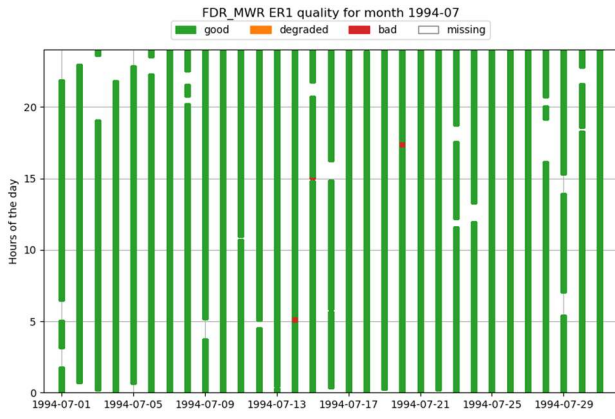
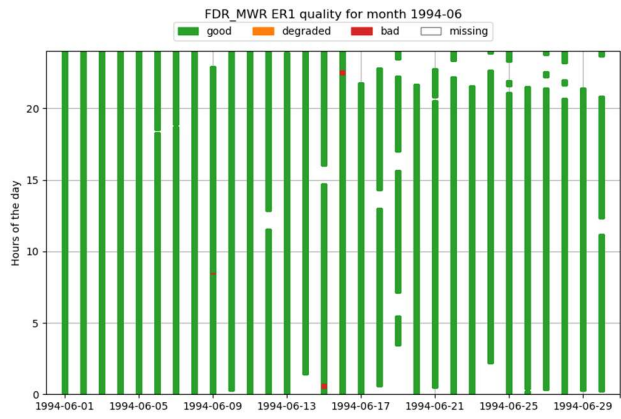
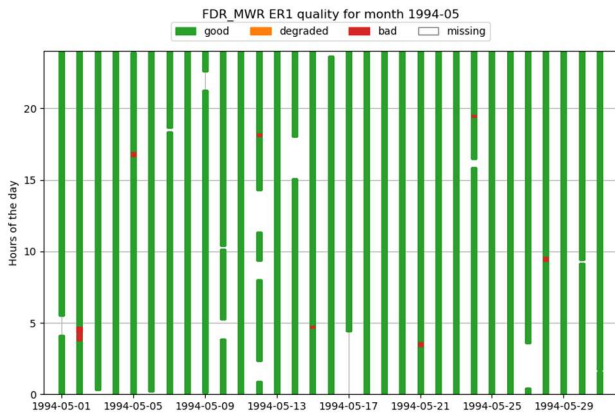
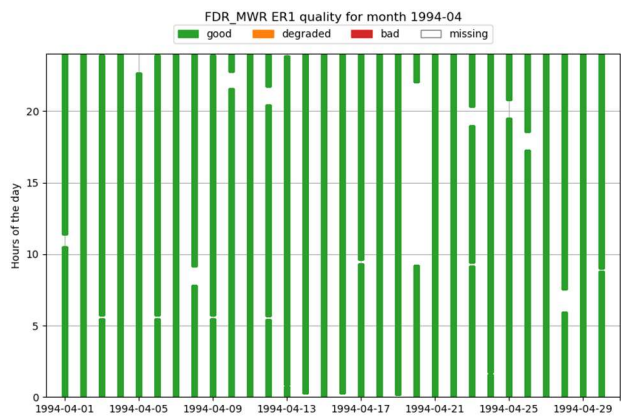
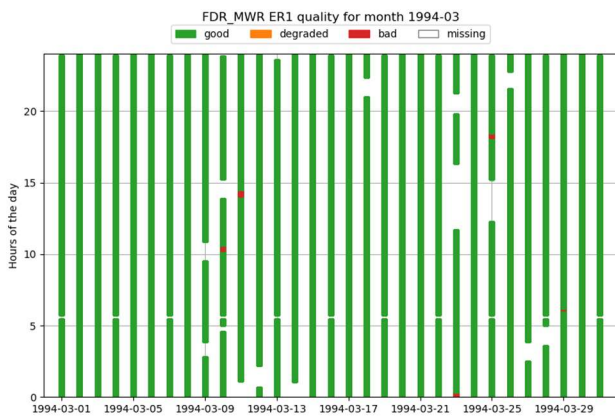
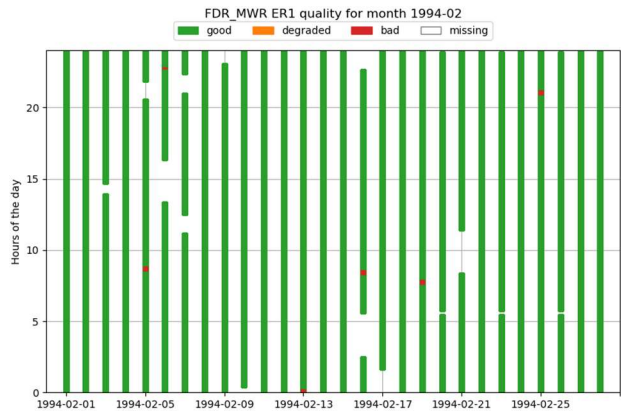
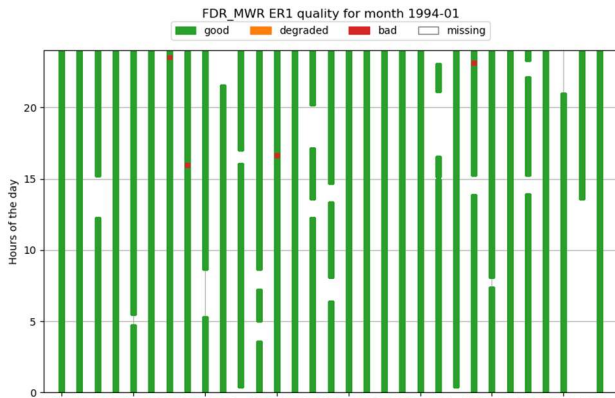
2.1.3 1993

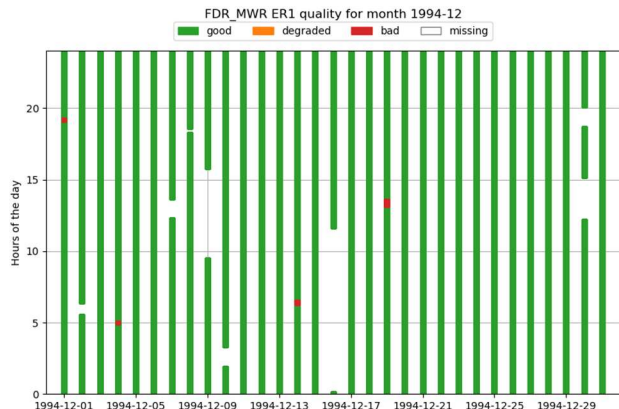
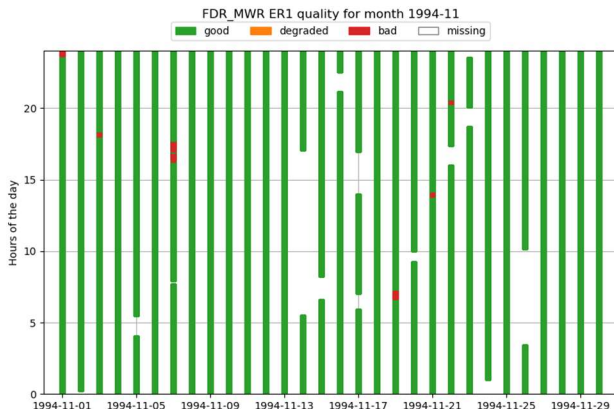
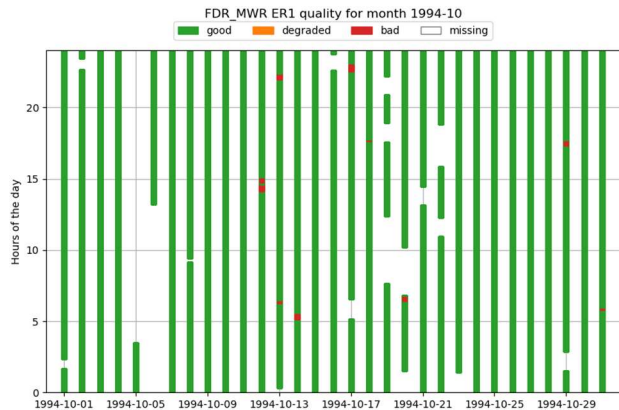
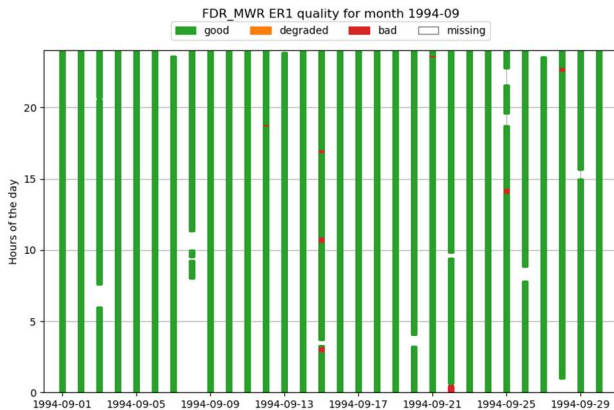




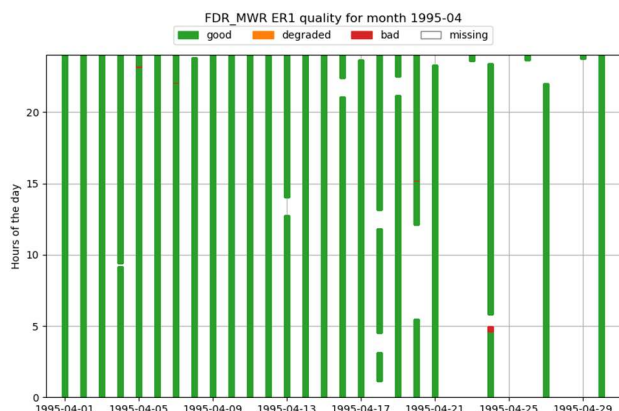
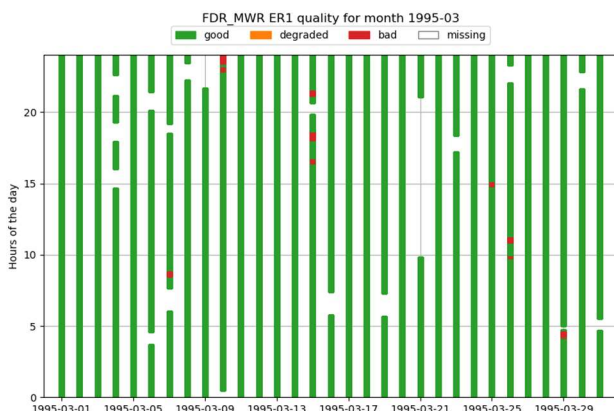
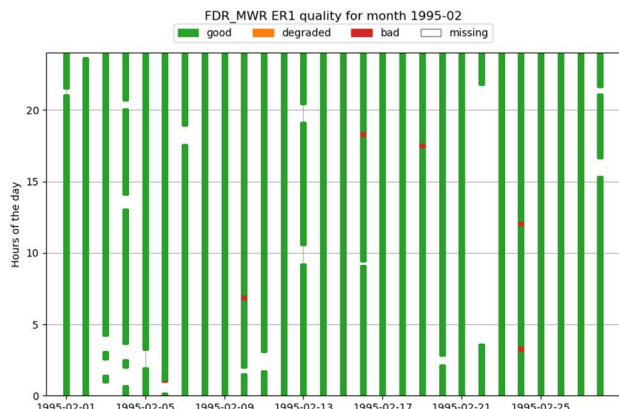
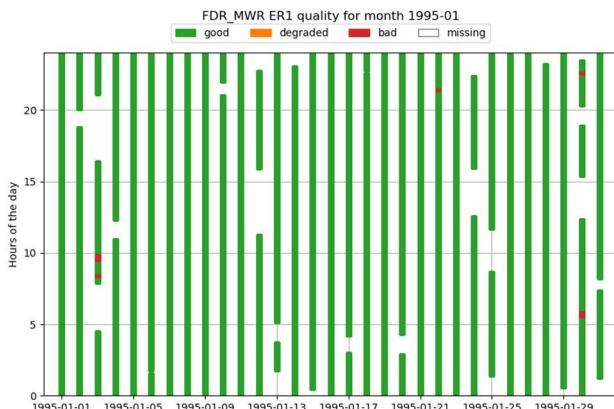
2.1.4 1994

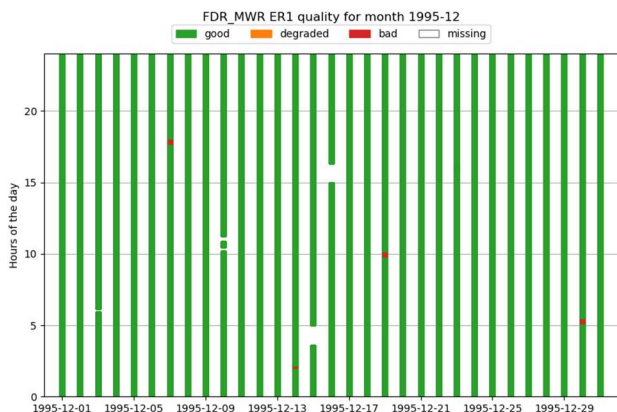
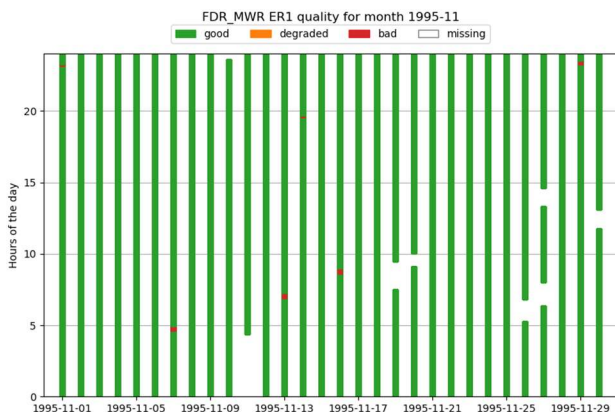
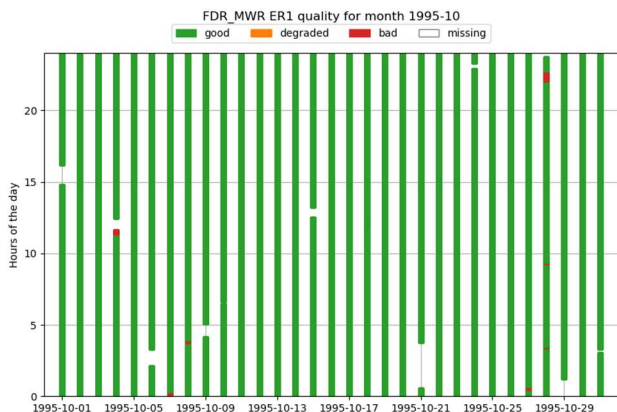
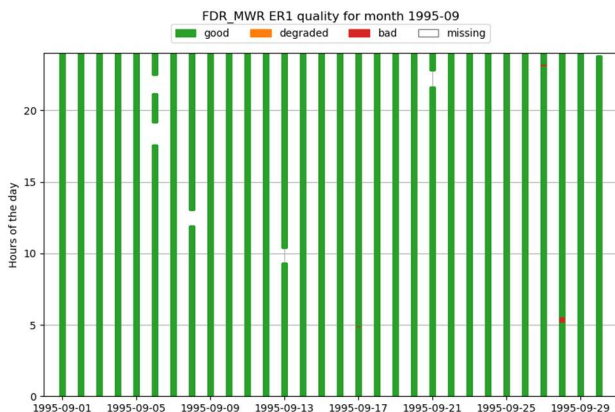
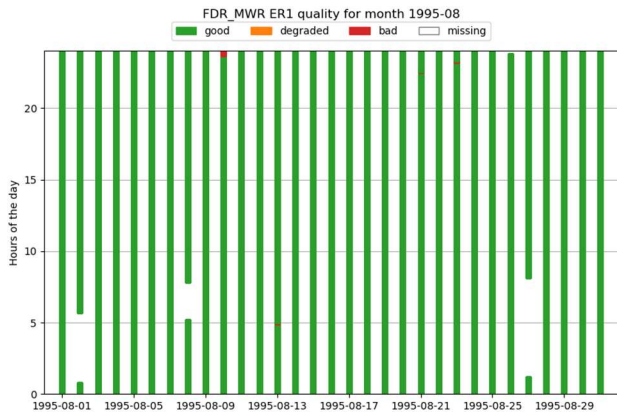
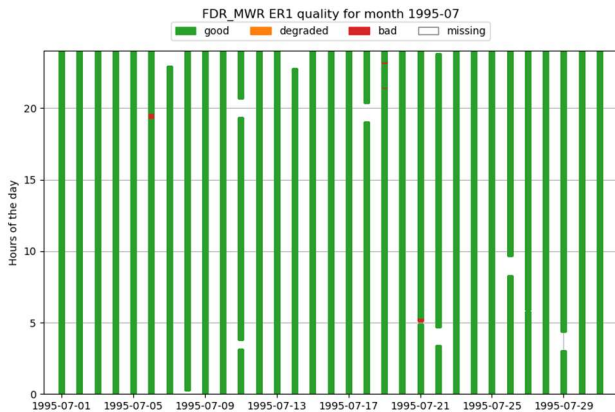
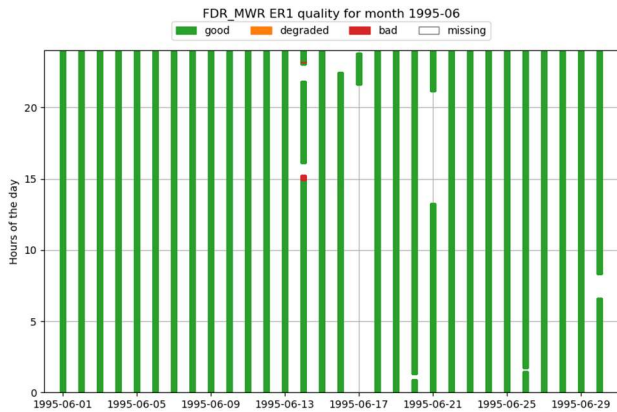
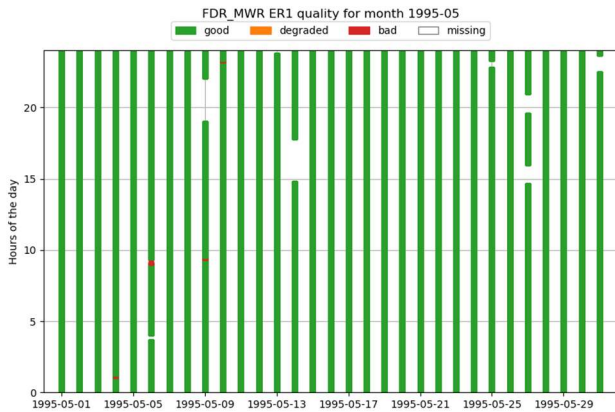






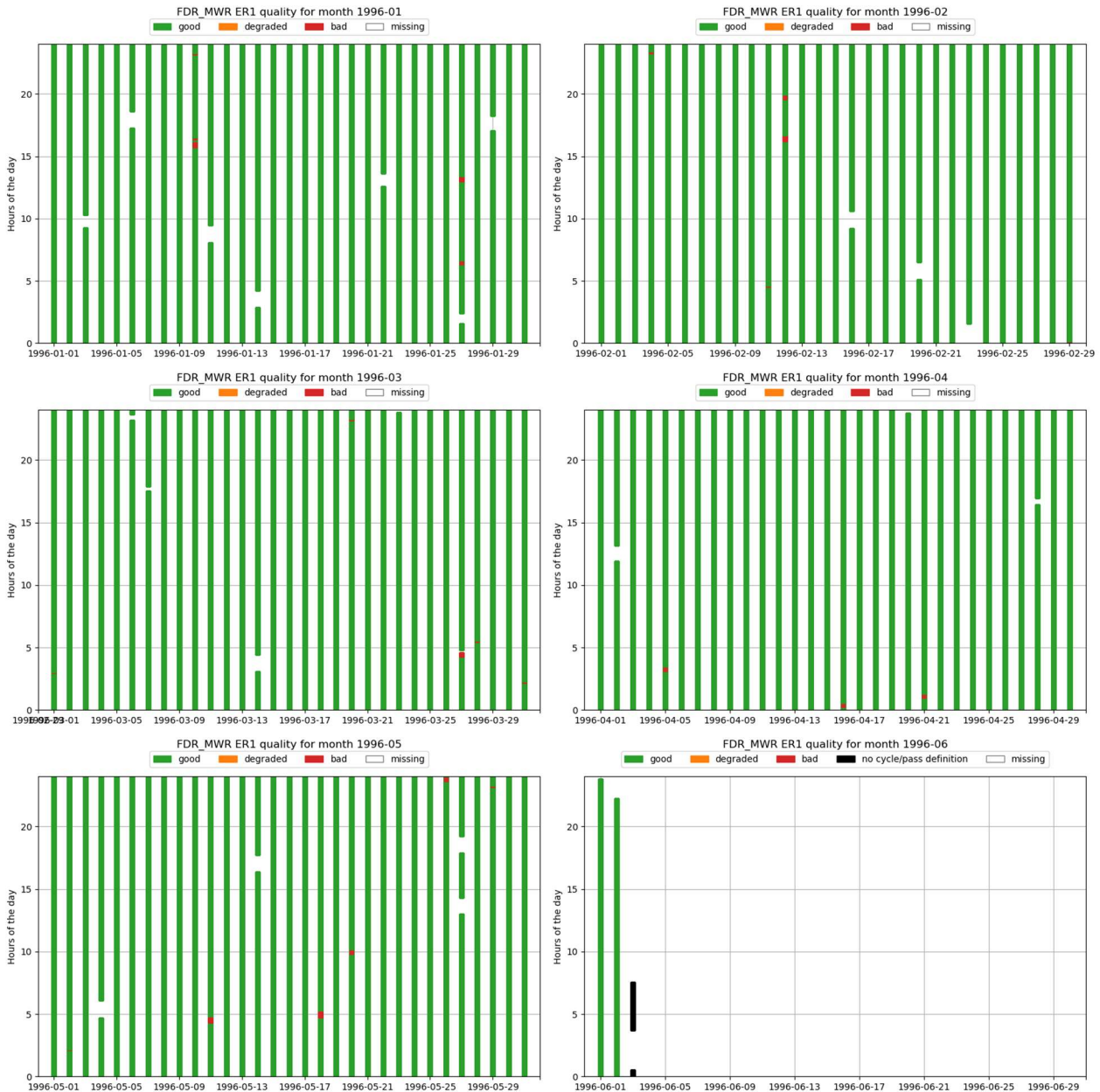
2.1.5 1995





2.1.6 1996





2.1.7 Unavailability reasons

When a whole FDR file is missing, a correspondence has been established with instrumental anomalies, following the mission anomaly log :<http://www.atrs.rl.ac.uk/satellite/logs/anomaly/archive/ers-1/index.shtml> and list of mission events from EMIR obtained from ESA [S. Casadio and S. Pinori, pers. communication].

937 missing files cannot be explained by instrumental anomalies. Sometimes, it corresponds to date where there is an issue on the altimeter but not on the MWR. This could mean that MWR telemetry, if it exists, could be recovered on such dates.

Cycle	Pass	Start time	End time	Reason for unavailability
3	36	1991-08-06T02:52	1991-08-06T03:42	unexplained missing telemetry
6	8	1991-08-14T03:26	1991-08-14T04:16	unexplained missing telemetry

6	66	1991-08-16T03:59	1991-08-16T04:49	unexplained missing telemetry
7	8	1991-08-17T03:26	1991-08-17T04:16	unexplained missing telemetry
7	13	1991-08-17T07:37	1991-08-17T08:27	unexplained missing telemetry
8	32	1991-08-20T23:31	1991-08-21T00:21	unexplained missing telemetry
8	69	1991-08-22T06:30	1991-08-22T07:20	unexplained missing telemetry
10	8	1991-08-26T03:26	1991-08-26T04:16	unexplained missing telemetry
10	9	1991-08-26T04:16	1991-08-26T05:06	unexplained missing telemetry
10	10	1991-08-26T05:06	1991-08-26T05:56	unexplained missing telemetry
10	11	1991-08-26T05:56	1991-08-26T06:46	unexplained missing telemetry
12	38	1991-09-02T04:33	1991-09-02T05:23	unexplained missing telemetry
12	66	1991-09-03T03:59	1991-09-03T04:49	unexplained missing telemetry
13	45	1991-09-05T10:24	1991-09-05T11:14	unexplained missing telemetry
14	10	1991-09-07T05:06	1991-09-07T05:56	unexplained missing telemetry
14	38	1991-09-08T04:32	1991-09-08T05:23	unexplained missing telemetry
14	45	1991-09-08T10:24	1991-09-08T11:14	unexplained missing telemetry
15	10	1991-09-10T05:06	1991-09-10T05:56	unexplained missing telemetry
15	11	1991-09-10T05:56	1991-09-10T06:46	unexplained missing telemetry
15	12	1991-09-10T06:46	1991-09-10T07:37	unexplained missing telemetry
15	13	1991-09-10T07:37	1991-09-10T08:27	unexplained missing telemetry
15	66	1991-09-12T03:59	1991-09-12T04:49	unexplained missing telemetry
16	24	1991-09-13T16:49	1991-09-13T17:39	unexplained missing telemetry
16	25	1991-09-13T17:39	1991-09-13T18:30	unexplained missing telemetry
16	26	1991-09-13T18:30	1991-09-13T19:20	unexplained missing telemetry
16	27	1991-09-13T19:20	1991-09-13T20:10	unexplained missing telemetry
16	28	1991-09-13T20:10	1991-09-13T21:00	unexplained missing telemetry
16	29	1991-09-13T21:00	1991-09-13T21:51	unexplained missing telemetry
16	30	1991-09-13T21:51	1991-09-13T22:41	unexplained missing telemetry
16	31	1991-09-13T22:41	1991-09-13T23:31	unexplained missing telemetry
16	32	1991-09-13T23:31	1991-09-14T00:21	unexplained missing telemetry
16	33	1991-09-14T00:21	1991-09-14T01:12	unexplained missing telemetry
16	34	1991-09-14T01:12	1991-09-14T02:02	unexplained missing telemetry
16	35	1991-09-14T02:02	1991-09-14T02:52	unexplained missing telemetry
16	36	1991-09-14T02:52	1991-09-14T03:42	unexplained missing telemetry
16	37	1991-09-14T03:42	1991-09-14T04:33	unexplained missing telemetry
16	38	1991-09-14T04:33	1991-09-14T05:23	unexplained missing telemetry
16	39	1991-09-14T05:23	1991-09-14T06:13	unexplained missing telemetry
16	40	1991-09-14T06:13	1991-09-14T07:03	unexplained missing telemetry
16	41	1991-09-14T07:03	1991-09-14T07:53	unexplained missing telemetry
16	62	1991-09-15T00:38	1991-09-15T01:28	unexplained missing telemetry
18	8	1991-09-19T03:26	1991-09-19T04:16	unexplained missing telemetry
20	36	1991-09-26T02:52	1991-09-26T03:42	unexplained missing telemetry
20	53	1991-09-26T17:06	1991-09-26T17:56	unexplained missing telemetry
20	66	1991-09-27T03:59	1991-09-27T04:49	unexplained missing telemetry
21	66	1991-09-30T03:59	1991-09-30T04:49	unexplained missing telemetry
26	21	1991-10-13T14:19	1991-10-13T15:09	unexplained missing telemetry
26	34	1991-10-14T01:12	1991-10-14T02:02	unexplained missing telemetry
27	64	1991-10-18T02:19	1991-10-18T03:09	unexplained missing telemetry
28	68	1991-10-21T05:39	1991-10-21T06:30	unexplained missing telemetry

28	69	1991-10-21T06:30	1991-10-21T07:20	unexplained missing telemetry
30	62	1991-10-27T00:38	1991-10-27T01:28	unexplained missing telemetry
30	63	1991-10-27T01:28	1991-10-27T02:18	unexplained missing telemetry
30	64	1991-10-27T02:18	1991-10-27T03:09	unexplained missing telemetry
32	38	1991-11-01T04:32	1991-11-01T05:23	unexplained missing telemetry
33	2	1991-11-02T22:24	1991-11-02T23:14	unexplained missing telemetry
33	73	1991-11-05T09:51	1991-11-05T10:41	unexplained missing telemetry
45	2	1991-12-08T22:24	1991-12-08T23:14	unexplained missing telemetry
45	60	1991-12-10T22:57	1991-12-10T23:48	unexplained missing telemetry
45	61	1991-12-10T23:48	1991-12-11T00:38	unexplained missing telemetry
45	62	1991-12-11T00:38	1991-12-11T01:28	unexplained missing telemetry
45	63	1991-12-11T01:28	1991-12-11T02:18	unexplained missing telemetry
45	64	1991-12-11T02:18	1991-12-11T03:08	unexplained missing telemetry
45	65	1991-12-11T03:08	1991-12-11T03:59	unexplained missing telemetry
45	66	1991-12-11T03:59	1991-12-11T04:49	unexplained missing telemetry
46	2	1991-12-11T22:24	1991-12-11T23:14	unexplained missing telemetry
46	21	1991-12-12T14:18	1991-12-12T15:08	unexplained missing telemetry
46	22	1991-12-12T15:08	1991-12-12T15:59	IDHT command in refuse mode
46	23	1991-12-12T15:59	1991-12-12T16:49	IDHT command in refuse mode
46	24	1991-12-12T16:49	1991-12-12T17:39	IDHT command in refuse mode
46	25	1991-12-12T17:39	1991-12-12T18:29	IDHT command in refuse mode
46	60	1991-12-13T22:58	1991-12-13T23:48	unexplained missing telemetry
47	2	1991-12-14T22:26	1991-12-14T23:16	unexplained missing telemetry
47	60	1991-12-16T23:01	1991-12-16T23:52	unexplained missing telemetry
48	2	1991-12-17T22:29	1991-12-17T23:19	unexplained missing telemetry
48	59	1991-12-19T22:14	1991-12-19T23:04	unexplained missing telemetry
48	60	1991-12-19T23:04	1991-12-19T23:55	unexplained missing telemetry
49	2	1991-12-20T22:31	1991-12-20T23:21	unexplained missing telemetry
49	59	1991-12-22T22:14	1991-12-22T23:05	unexplained missing telemetry
49	60	1991-12-22T23:05	1991-12-22T23:55	unexplained missing telemetry
50	2	1991-12-23T22:31	1991-12-23T23:21	unexplained missing telemetry
50	30	1991-12-24T21:58	1991-12-24T22:48	unexplained missing telemetry
50	59	1991-12-25T22:15	1991-12-25T23:05	unexplained missing telemetry
50	60	1991-12-25T23:05	1991-12-25T23:55	unexplained missing telemetry
51	2	1991-12-26T22:31	1991-12-26T23:22	unexplained missing telemetry
52	59	1991-12-31T22:15	1991-12-31T23:05	unexplained missing telemetry
52	60	1991-12-31T23:05	1991-12-31T23:55	unexplained missing telemetry
52	61	1991-12-31T23:55	1992-01-01T00:45	unexplained missing telemetry
52	62	1992-01-01T00:45	1992-01-01T01:35	unexplained missing telemetry
54	13	1992-01-05T07:44	1992-01-05T08:34	unexplained missing telemetry
55	13	1992-01-08T07:44	1992-01-08T08:34	unexplained missing telemetry
58	47	1992-01-18T12:12	1992-01-18T13:02	unexplained missing telemetry
62	58	1992-01-30T21:24	1992-01-30T22:15	unexplained missing telemetry
63	71	1992-02-03T08:17	1992-02-03T09:08	ATSR IRR and MWR stand-by
63	72	1992-02-03T09:08	1992-02-03T09:58	ATSR IRR and MWR stand-by
63	73	1992-02-03T09:58	1992-02-03T10:48	ATSR IRR and MWR stand-by
63	74	1992-02-03T10:48	1992-02-03T11:38	ATSR IRR and MWR stand-by
63	75	1992-02-03T11:38	1992-02-03T12:29	ATSR IRR and MWR stand-by

63	76	1992-02-03T12:29	1992-02-03T13:19	ATSR IRR and MWR stand-by
63	77	1992-02-03T13:19	1992-02-03T14:09	ATSR IRR and MWR stand-by
67	32	1992-02-13T23:38	1992-02-14T00:29	ATSR IRR and MWR stand-by
67	33	1992-02-14T00:29	1992-02-14T01:19	unexplained missing telemetry
67	34	1992-02-14T01:19	1992-02-14T02:09	unexplained missing telemetry
67	35	1992-02-14T02:09	1992-02-14T02:59	unexplained missing telemetry
67	36	1992-02-14T02:59	1992-02-14T03:50	unexplained missing telemetry
67	37	1992-02-14T03:50	1992-02-14T04:40	unexplained missing telemetry
67	38	1992-02-14T04:40	1992-02-14T05:30	unexplained missing telemetry
67	39	1992-02-14T05:30	1992-02-14T06:20	unexplained missing telemetry
67	40	1992-02-14T06:20	1992-02-14T07:10	unexplained missing telemetry
67	41	1992-02-14T07:10	1992-02-14T08:01	unexplained missing telemetry
67	42	1992-02-14T08:01	1992-02-14T08:51	unexplained missing telemetry
67	43	1992-02-14T08:51	1992-02-14T09:41	unexplained missing telemetry
68	68	1992-02-18T05:47	1992-02-18T06:37	unexplained missing telemetry
68	69	1992-02-18T06:37	1992-02-18T07:27	unexplained missing telemetry
72	66	1992-03-01T04:06	1992-03-01T04:56	unexplained missing telemetry
72	67	1992-03-01T04:56	1992-03-01T05:47	unexplained missing telemetry
72	68	1992-03-01T05:47	1992-03-01T06:37	unexplained missing telemetry
72	69	1992-03-01T06:37	1992-03-01T07:27	unexplained missing telemetry
72	70	1992-03-01T07:27	1992-03-01T08:17	unexplained missing telemetry
72	71	1992-03-01T08:17	1992-03-01T09:08	unexplained missing telemetry
72	72	1992-03-01T09:08	1992-03-01T09:58	unexplained missing telemetry
72	73	1992-03-01T09:58	1992-03-01T10:48	unexplained missing telemetry
72	74	1992-03-01T10:48	1992-03-01T11:38	unexplained missing telemetry
72	75	1992-03-01T11:38	1992-03-01T12:29	unexplained missing telemetry
72	76	1992-03-01T12:29	1992-03-01T13:19	unexplained missing telemetry
72	77	1992-03-01T13:19	1992-03-01T14:09	unexplained missing telemetry
72	78	1992-03-01T14:09	1992-03-01T14:59	unexplained missing telemetry
72	79	1992-03-01T14:59	1992-03-01T15:49	unexplained missing telemetry
72	80	1992-03-01T15:49	1992-03-01T16:40	unexplained missing telemetry
72	81	1992-03-01T16:40	1992-03-01T17:30	unexplained missing telemetry
72	82	1992-03-01T17:30	1992-03-01T18:20	unexplained missing telemetry
72	83	1992-03-01T18:20	1992-03-01T19:10	unexplained missing telemetry
72	84	1992-03-01T19:10	1992-03-01T20:01	unexplained missing telemetry
72	85	1992-03-01T20:01	1992-03-01T20:51	unexplained missing telemetry
72	86	1992-03-01T20:51	1992-03-01T21:41	unexplained missing telemetry
73	4	1992-03-02T00:12	1992-03-02T01:02	unexplained missing telemetry
73	8	1992-03-02T03:33	1992-03-02T04:23	unexplained missing telemetry
73	9	1992-03-02T04:23	1992-03-02T05:13	unexplained missing telemetry
73	10	1992-03-02T05:13	1992-03-02T06:03	unexplained missing telemetry
73	11	1992-03-02T06:03	1992-03-02T06:54	unexplained missing telemetry
73	12	1992-03-02T06:54	1992-03-02T07:44	unexplained missing telemetry
73	13	1992-03-02T07:44	1992-03-02T08:34	unexplained missing telemetry
73	14	1992-03-02T08:34	1992-03-02T09:24	unexplained missing telemetry
73	15	1992-03-02T09:24	1992-03-02T10:15	unexplained missing telemetry
73	16	1992-03-02T10:15	1992-03-02T11:05	unexplained missing telemetry
73	17	1992-03-02T11:05	1992-03-02T11:55	unexplained missing telemetry



73	18	1992-03-02T11:55	1992-03-02T12:45	unexplained missing telemetry
73	19	1992-03-02T12:45	1992-03-02T13:36	unexplained missing telemetry
73	20	1992-03-02T13:36	1992-03-02T14:26	unexplained missing telemetry
73	21	1992-03-02T14:26	1992-03-02T15:16	unexplained missing telemetry
73	22	1992-03-02T15:16	1992-03-02T16:06	unexplained missing telemetry
73	23	1992-03-02T16:06	1992-03-02T16:56	unexplained missing telemetry
73	24	1992-03-02T16:56	1992-03-02T17:47	unexplained missing telemetry
73	25	1992-03-02T17:47	1992-03-02T18:37	unexplained missing telemetry
73	26	1992-03-02T18:37	1992-03-02T19:27	unexplained missing telemetry
73	27	1992-03-02T19:27	1992-03-02T20:17	unexplained missing telemetry
73	28	1992-03-02T20:17	1992-03-02T21:08	unexplained missing telemetry
73	36	1992-03-03T02:59	1992-03-03T03:49	unexplained missing telemetry
73	40	1992-03-03T06:20	1992-03-03T07:10	unexplained missing telemetry
75	4	1992-03-08T00:12	1992-03-08T01:02	unexplained missing telemetry
75	75	1992-03-10T11:38	1992-03-10T12:29	unexplained missing telemetry
79	75	1992-03-22T11:38	1992-03-22T12:29	unexplained missing telemetry
80	40	1992-03-24T06:20	1992-03-24T07:10	unexplained missing telemetry
80	41	1992-03-24T07:10	1992-03-24T08:01	unexplained missing telemetry
81	38	1992-03-27T04:40	1992-03-27T05:30	unexplained missing telemetry
82	45	1992-03-30T10:31	1992-03-30T11:22	unexplained missing telemetry
82	60	1992-03-30T23:05	1992-03-30T23:55	unexplained missing telemetry
82	61	1992-03-30T23:55	1992-03-31T00:45	unexplained missing telemetry
82	62	1992-03-31T00:45	1992-03-31T01:35	unexplained missing telemetry
82	63	1992-03-31T01:35	1992-03-31T02:26	unexplained missing telemetry
82	64	1992-03-31T02:26	1992-03-31T03:16	unexplained missing telemetry
83	2	1992-03-31T22:31	1992-03-31T23:22	unexplained missing telemetry
83	3	1992-03-31T23:22	1992-04-01T00:12	unexplained missing telemetry
83	4	1992-04-01T00:12	1992-04-01T01:02	unexplained missing telemetry
83	5	1992-04-01T01:02	1992-04-01T01:52	unexplained missing telemetry
83	6	1992-04-01T01:52	1992-04-01T02:42	unexplained missing telemetry
83	10	1992-04-01T05:13	1992-04-01T06:03	unexplained missing telemetry
83	11	1992-04-01T06:03	1992-04-01T06:54	unexplained missing telemetry
83	31	1992-04-01T22:48	1992-04-01T23:38	unexplained missing telemetry
83	32	1992-04-01T23:38	1992-04-02T00:28	unexplained missing telemetry
83	33	1992-04-02T00:28	1992-04-02T01:19	unexplained missing telemetry
83	34	1992-04-02T01:19	1992-04-02T02:09	unexplained missing telemetry
83	35	1992-04-02T02:09	1992-04-02T02:59	unexplained missing telemetry
83	36	1992-04-02T02:59	1992-04-02T03:49	unexplained missing telemetry
83	488	1992-04-13T22:19	1992-04-13T23:10	unexplained missing telemetry
83	489	1992-04-13T23:10	1992-04-14T00:00	unexplained missing telemetry
83	490	1992-04-14T00:00	1992-04-14T00:50	unexplained missing telemetry
83	491	1992-04-14T00:50	1992-04-14T01:41	unexplained missing telemetry
83	492	1992-04-14T01:41	1992-04-14T02:31	unexplained missing telemetry
83	493	1992-04-14T02:31	1992-04-14T03:21	unexplained missing telemetry
83	494	1992-04-14T03:21	1992-04-14T04:12	unexplained missing telemetry
83	495	1992-04-14T04:12	1992-04-14T05:02	unexplained missing telemetry
83	496	1992-04-14T05:02	1992-04-14T05:52	unexplained missing telemetry
83	497	1992-04-14T05:52	1992-04-14T06:42	unexplained missing telemetry

83	664	1992-04-20T01:52	1992-04-20T02:42	IDHT error
83	665	1992-04-20T02:42	1992-04-20T03:33	IDHT error
83	666	1992-04-20T03:33	1992-04-20T04:23	IDHT error
83	667	1992-04-20T04:23	1992-04-20T05:13	IDHT error
83	668	1992-04-20T05:13	1992-04-20T06:04	IDHT error
83	669	1992-04-20T06:04	1992-04-20T06:54	IDHT error
83	670	1992-04-20T06:54	1992-04-20T07:44	IDHT error
83	671	1992-04-20T07:44	1992-04-20T08:35	IDHT error
83	806	1992-04-25T00:55	1992-04-25T01:45	unexplained missing telemetry
83	870	1992-04-27T06:34	1992-04-27T07:24	unexplained missing telemetry
83	871	1992-04-27T07:24	1992-04-27T08:14	unexplained missing telemetry
83	873	1992-04-27T09:05	1992-04-27T09:55	IDHT in standby
83	875	1992-04-27T10:45	1992-04-27T11:36	IDHT in standby
83	918	1992-04-28T22:48	1992-04-28T23:38	unexplained missing telemetry
84	152	1992-05-07T04:39	1992-05-07T05:29	unexplained missing telemetry
84	318	1992-05-12T23:49	1992-05-13T00:39	unexplained missing telemetry
84	322	1992-05-13T03:10	1992-05-13T04:00	unexplained missing telemetry
84	354	1992-05-14T05:59	1992-05-14T06:50	unexplained missing telemetry
84	355	1992-05-14T06:50	1992-05-14T07:40	IDHT issue: recorded LBR data lost
84	356	1992-05-14T07:40	1992-05-14T08:30	IDHT issue: recorded LBR data lost
84	357	1992-05-14T08:30	1992-05-14T09:21	IDHT issue: recorded LBR data lost
84	358	1992-05-14T09:21	1992-05-14T10:11	IDHT issue: recorded LBR data lost
84	359	1992-05-14T10:11	1992-05-14T11:01	IDHT issue: recorded LBR data lost
84	360	1992-05-14T11:01	1992-05-14T11:52	IDHT issue: recorded LBR data lost
84	361	1992-05-14T11:52	1992-05-14T12:42	IDHT issue: recorded LBR data lost
84	490	1992-05-19T00:00	1992-05-19T00:50	unexplained missing telemetry
84	491	1992-05-19T00:50	1992-05-19T01:41	unexplained missing telemetry
84	492	1992-05-19T01:41	1992-05-19T02:31	unexplained missing telemetry
84	518	1992-05-19T23:29	1992-05-20T00:19	unexplained missing telemetry
84	520	1992-05-20T01:09	1992-05-20T01:59	unexplained missing telemetry
84	522	1992-05-20T02:50	1992-05-20T03:40	unexplained missing telemetry
84	548	1992-05-21T00:37	1992-05-21T01:28	unexplained missing telemetry
84	550	1992-05-21T02:18	1992-05-21T03:08	unexplained missing telemetry
84	576	1992-05-22T00:06	1992-05-22T00:56	unexplained missing telemetry
84	578	1992-05-22T01:46	1992-05-22T02:37	unexplained missing telemetry
84	604	1992-05-22T23:34	1992-05-23T00:25	unexplained missing telemetry
84	606	1992-05-23T01:15	1992-05-23T02:05	unexplained missing telemetry
84	608	1992-05-23T02:55	1992-05-23T03:46	unexplained missing telemetry
84	634	1992-05-24T00:43	1992-05-24T01:34	unexplained missing telemetry
84	662	1992-05-25T00:12	1992-05-25T01:02	unexplained missing telemetry
84	664	1992-05-25T01:52	1992-05-25T02:43	unexplained missing telemetry
84	690	1992-05-25T23:40	1992-05-26T00:30	unexplained missing telemetry
84	692	1992-05-26T01:21	1992-05-26T02:11	unexplained missing telemetry
84	694	1992-05-26T03:01	1992-05-26T03:52	unexplained missing telemetry
84	720	1992-05-27T00:49	1992-05-27T01:39	unexplained missing telemetry
84	722	1992-05-27T02:30	1992-05-27T03:20	unexplained missing telemetry
84	748	1992-05-28T00:17	1992-05-28T01:08	unexplained missing telemetry
84	749	1992-05-28T01:08	1992-05-28T01:58	unexplained missing telemetry



84	750	1992-05-28T01:58	1992-05-28T02:48	unexplained missing telemetry
85	8	1992-06-06T03:56	1992-06-06T04:46	unexplained missing telemetry
85	60	1992-06-07T23:32	1992-06-08T00:22	unexplained missing telemetry
85	160	1992-06-11T11:21	1992-06-11T12:12	Emergency switch-down
85	161	1992-06-11T12:12	1992-06-11T13:02	Emergency switch-down
85	162	1992-06-11T13:02	1992-06-11T13:52	Emergency switch-down
85	163	1992-06-11T13:52	1992-06-11T14:43	Emergency switch-down
85	164	1992-06-11T14:43	1992-06-11T15:33	Emergency switch-down
85	165	1992-06-11T15:33	1992-06-11T16:23	Emergency switch-down
85	166	1992-06-11T16:23	1992-06-11T17:14	Emergency switch-down
85	167	1992-06-11T17:14	1992-06-11T18:04	Emergency switch-down
85	168	1992-06-11T18:04	1992-06-11T18:54	Emergency switch-down
85	169	1992-06-11T18:54	1992-06-11T19:44	Emergency switch-down
85	170	1992-06-11T19:44	1992-06-11T20:35	Emergency switch-down
85	171	1992-06-11T20:35	1992-06-11T21:25	Emergency switch-down
85	172	1992-06-11T21:25	1992-06-11T22:15	Emergency switch-down
85	173	1992-06-11T22:15	1992-06-11T23:06	Emergency switch-down
85	174	1992-06-11T23:06	1992-06-11T23:56	Emergency switch-down
85	175	1992-06-11T23:56	1992-06-12T00:46	Emergency switch-down
85	176	1992-06-12T00:46	1992-06-12T01:37	Emergency switch-down
85	177	1992-06-12T01:37	1992-06-12T02:27	Emergency switch-down
85	178	1992-06-12T02:27	1992-06-12T03:17	Emergency switch-down
85	179	1992-06-12T03:17	1992-06-12T04:07	Emergency switch-down
85	180	1992-06-12T04:07	1992-06-12T04:58	Emergency switch-down
85	181	1992-06-12T04:58	1992-06-12T05:48	Emergency switch-down
85	182	1992-06-12T05:48	1992-06-12T06:38	Emergency switch-down
85	183	1992-06-12T06:38	1992-06-12T07:29	Emergency switch-down
85	184	1992-06-12T07:29	1992-06-12T08:19	Emergency switch-down
85	185	1992-06-12T08:19	1992-06-12T09:09	Emergency switch-down
85	186	1992-06-12T09:09	1992-06-12T10:00	Emergency switch-down
85	187	1992-06-12T10:00	1992-06-12T10:50	Emergency switch-down
85	188	1992-06-12T10:50	1992-06-12T11:40	Emergency switch-down
85	189	1992-06-12T11:40	1992-06-12T12:30	Emergency switch-down
85	190	1992-06-12T12:30	1992-06-12T13:21	Emergency switch-down
85	191	1992-06-12T13:21	1992-06-12T14:11	Emergency switch-down
85	192	1992-06-12T14:11	1992-06-12T15:01	Emergency switch-down
85	193	1992-06-12T15:01	1992-06-12T15:52	Emergency switch-down
85	194	1992-06-12T15:52	1992-06-12T16:42	Emergency switch-down
85	195	1992-06-12T16:42	1992-06-12T17:32	Emergency switch-down
85	196	1992-06-12T17:32	1992-06-12T18:23	Emergency switch-down
85	197	1992-06-12T18:23	1992-06-12T19:13	Emergency switch-down
85	198	1992-06-12T19:13	1992-06-12T20:03	Emergency switch-down
85	199	1992-06-12T20:03	1992-06-12T20:53	Emergency switch-down
85	200	1992-06-12T20:53	1992-06-12T21:44	Emergency switch-down
85	201	1992-06-12T21:44	1992-06-12T22:34	Emergency switch-down
85	202	1992-06-12T22:34	1992-06-12T23:24	Emergency switch-down
85	203	1992-06-12T23:24	1992-06-13T00:15	Emergency switch-down
85	204	1992-06-13T00:15	1992-06-13T01:05	Emergency switch-down

85	205	1992-06-13T01:05	1992-06-13T01:55	Emergency switch-down
85	206	1992-06-13T01:55	1992-06-13T02:46	Emergency switch-down
85	207	1992-06-13T02:46	1992-06-13T03:36	Emergency switch-down
85	208	1992-06-13T03:36	1992-06-13T04:26	Emergency switch-down
85	209	1992-06-13T04:26	1992-06-13T05:16	Emergency switch-down
85	210	1992-06-13T05:16	1992-06-13T06:07	Emergency switch-down
85	211	1992-06-13T06:07	1992-06-13T06:57	Emergency switch-down
85	212	1992-06-13T06:57	1992-06-13T07:47	Emergency switch-down
85	213	1992-06-13T07:47	1992-06-13T08:38	Emergency switch-down
85	214	1992-06-13T08:38	1992-06-13T09:28	Emergency switch-down
85	215	1992-06-13T09:28	1992-06-13T10:18	Emergency switch-down
85	216	1992-06-13T10:18	1992-06-13T11:09	Emergency switch-down
85	217	1992-06-13T11:09	1992-06-13T11:59	Emergency switch-down
85	218	1992-06-13T11:59	1992-06-13T12:49	Emergency switch-down
85	219	1992-06-13T12:49	1992-06-13T13:39	Emergency switch-down
85	220	1992-06-13T13:39	1992-06-13T14:30	Emergency switch-down
85	221	1992-06-13T14:30	1992-06-13T15:20	Emergency switch-down
85	222	1992-06-13T15:20	1992-06-13T16:10	Emergency switch-down
85	223	1992-06-13T16:10	1992-06-13T17:01	Emergency switch-down
85	224	1992-06-13T17:01	1992-06-13T17:51	Emergency switch-down
85	225	1992-06-13T17:51	1992-06-13T18:41	Emergency switch-down
85	226	1992-06-13T18:41	1992-06-13T19:32	Emergency switch-down
85	227	1992-06-13T19:32	1992-06-13T20:22	Emergency switch-down
85	228	1992-06-13T20:22	1992-06-13T21:12	Emergency switch-down
85	229	1992-06-13T21:12	1992-06-13T22:02	Emergency switch-down
85	230	1992-06-13T22:02	1992-06-13T22:53	Emergency switch-down
85	231	1992-06-13T22:53	1992-06-13T23:43	Emergency switch-down
85	232	1992-06-13T23:43	1992-06-14T00:33	Emergency switch-down
85	233	1992-06-14T00:33	1992-06-14T01:24	Emergency switch-down
85	234	1992-06-14T01:24	1992-06-14T02:14	Emergency switch-down
85	235	1992-06-14T02:14	1992-06-14T03:04	Emergency switch-down
85	236	1992-06-14T03:04	1992-06-14T03:55	Emergency switch-down
85	237	1992-06-14T03:55	1992-06-14T04:45	Emergency switch-down
85	238	1992-06-14T04:45	1992-06-14T05:35	Emergency switch-down
85	239	1992-06-14T05:35	1992-06-14T06:25	Emergency switch-down
85	240	1992-06-14T06:25	1992-06-14T07:16	Emergency switch-down
85	241	1992-06-14T07:16	1992-06-14T08:06	Emergency switch-down
85	242	1992-06-14T08:06	1992-06-14T08:56	Emergency switch-down
85	243	1992-06-14T08:56	1992-06-14T09:47	Emergency switch-down
85	244	1992-06-14T09:47	1992-06-14T10:37	Emergency switch-down
85	245	1992-06-14T10:37	1992-06-14T11:27	Emergency switch-down
85	246	1992-06-14T11:27	1992-06-14T12:18	Emergency switch-down
85	247	1992-06-14T12:18	1992-06-14T13:08	Emergency switch-down
85	248	1992-06-14T13:08	1992-06-14T13:58	Emergency switch-down
85	249	1992-06-14T13:58	1992-06-14T14:48	Emergency switch-down
85	250	1992-06-14T14:48	1992-06-14T15:39	Emergency switch-down
85	251	1992-06-14T15:39	1992-06-14T16:29	Emergency switch-down
85	252	1992-06-14T16:29	1992-06-14T17:19	Emergency switch-down

85	253	1992-06-14T17:19	1992-06-14T18:10	Emergency switch-down
85	254	1992-06-14T18:10	1992-06-14T19:00	Emergency switch-down
85	255	1992-06-14T19:00	1992-06-14T19:50	Emergency switch-down
85	256	1992-06-14T19:50	1992-06-14T20:41	Emergency switch-down
85	257	1992-06-14T20:41	1992-06-14T21:31	Emergency switch-down
85	258	1992-06-14T21:31	1992-06-14T22:21	Emergency switch-down
85	259	1992-06-14T22:21	1992-06-14T23:11	Emergency switch-down
85	260	1992-06-14T23:11	1992-06-15T00:02	Emergency switch-down
85	261	1992-06-15T00:02	1992-06-15T00:52	Emergency switch-down
85	262	1992-06-15T00:52	1992-06-15T01:42	Emergency switch-down
85	263	1992-06-15T01:42	1992-06-15T02:33	Emergency switch-down
85	264	1992-06-15T02:33	1992-06-15T03:23	Emergency switch-down
85	265	1992-06-15T03:23	1992-06-15T04:13	Emergency switch-down
85	266	1992-06-15T04:13	1992-06-15T05:04	Emergency switch-down
85	267	1992-06-15T05:04	1992-06-15T05:54	Emergency switch-down
85	268	1992-06-15T05:54	1992-06-15T06:44	Emergency switch-down
85	269	1992-06-15T06:44	1992-06-15T07:34	Emergency switch-down
85	570	1992-06-25T19:04	1992-06-25T19:54	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	571	1992-06-25T19:54	1992-06-25T20:45	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	572	1992-06-25T20:45	1992-06-25T21:35	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	573	1992-06-25T21:35	1992-06-25T22:25	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	574	1992-06-25T22:25	1992-06-25T23:16	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	575	1992-06-25T23:16	1992-06-26T00:06	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	576	1992-06-26T00:06	1992-06-26T00:56	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	577	1992-06-26T00:56	1992-06-26T01:47	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	578	1992-06-26T01:47	1992-06-26T02:37	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	579	1992-06-26T02:37	1992-06-26T03:27	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	580	1992-06-26T03:27	1992-06-26T04:17	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	581	1992-06-26T04:17	1992-06-26T05:08	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	582	1992-06-26T05:08	1992-06-26T05:58	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	583	1992-06-26T05:58	1992-06-26T06:48	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	584	1992-06-26T06:48	1992-06-26T07:39	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	585	1992-06-26T07:39	1992-06-26T08:29	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	586	1992-06-26T08:29	1992-06-26T09:19	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	587	1992-06-26T09:19	1992-06-26T10:10	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	588	1992-06-26T10:10	1992-06-26T11:00	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	589	1992-06-26T11:00	1992-06-26T11:50	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	590	1992-06-26T11:50	1992-06-26T12:40	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	591	1992-06-26T12:40	1992-06-26T13:31	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	592	1992-06-26T13:31	1992-06-26T14:21	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	593	1992-06-26T14:21	1992-06-26T15:11	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	594	1992-06-26T15:11	1992-06-26T16:02	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	595	1992-06-26T16:02	1992-06-26T16:52	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	596	1992-06-26T16:52	1992-06-26T17:42	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	597	1992-06-26T17:42	1992-06-26T18:33	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	598	1992-06-26T18:33	1992-06-26T19:23	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	599	1992-06-26T19:23	1992-06-26T20:13	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	600	1992-06-26T20:13	1992-06-26T21:03	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by



85	601	1992-06-26T21:03	1992-06-26T21:54	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	602	1992-06-26T21:54	1992-06-26T22:44	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	603	1992-06-26T22:44	1992-06-26T23:34	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	604	1992-06-26T23:34	1992-06-27T00:25	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	605	1992-06-27T00:25	1992-06-27T01:15	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	606	1992-06-27T01:15	1992-06-27T02:05	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	607	1992-06-27T02:05	1992-06-27T02:56	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	608	1992-06-27T02:56	1992-06-27T03:46	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	609	1992-06-27T03:46	1992-06-27T04:36	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	610	1992-06-27T04:36	1992-06-27T05:26	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	611	1992-06-27T05:26	1992-06-27T06:17	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	612	1992-06-27T06:17	1992-06-27T07:07	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	613	1992-06-27T07:07	1992-06-27T07:57	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	614	1992-06-27T07:57	1992-06-27T08:48	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	615	1992-06-27T08:48	1992-06-27T09:38	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	616	1992-06-27T09:38	1992-06-27T10:28	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	617	1992-06-27T10:28	1992-06-27T11:19	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	618	1992-06-27T11:19	1992-06-27T12:09	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	619	1992-06-27T12:09	1992-06-27T12:59	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	620	1992-06-27T12:59	1992-06-27T13:49	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
85	621	1992-06-27T13:49	1992-06-27T14:40	PL-Sol due to PDU anomaly: ATSR IRR and MWR in stand-by
86	10	1992-07-11T05:37	1992-07-11T06:27	unexplained missing telemetry
86	11	1992-07-11T06:27	1992-07-11T07:17	unexplained missing telemetry
86	230	1992-07-18T22:02	1992-07-18T22:53	unexplained missing telemetry
86	231	1992-07-18T22:53	1992-07-18T23:43	unexplained missing telemetry
86	232	1992-07-18T23:43	1992-07-19T00:33	unexplained missing telemetry
86	233	1992-07-19T00:33	1992-07-19T01:24	unexplained missing telemetry
86	234	1992-07-19T01:24	1992-07-19T02:14	unexplained missing telemetry
86	235	1992-07-19T02:14	1992-07-19T03:04	unexplained missing telemetry
86	236	1992-07-19T03:04	1992-07-19T03:55	unexplained missing telemetry
86	237	1992-07-19T03:55	1992-07-19T04:45	unexplained missing telemetry
86	238	1992-07-19T04:45	1992-07-19T05:35	unexplained missing telemetry
86	239	1992-07-19T05:35	1992-07-19T06:25	unexplained missing telemetry
86	240	1992-07-19T06:25	1992-07-19T07:16	unexplained missing telemetry
86	241	1992-07-19T07:16	1992-07-19T08:06	unexplained missing telemetry
86	242	1992-07-19T08:06	1992-07-19T08:56	unexplained missing telemetry
86	243	1992-07-19T08:56	1992-07-19T09:47	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	244	1992-07-19T09:47	1992-07-19T10:37	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	245	1992-07-19T10:37	1992-07-19T11:27	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	246	1992-07-19T11:27	1992-07-19T12:18	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	247	1992-07-19T12:18	1992-07-19T13:08	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	248	1992-07-19T13:08	1992-07-19T13:58	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	249	1992-07-19T13:58	1992-07-19T14:48	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	250	1992-07-19T14:48	1992-07-19T15:39	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	251	1992-07-19T15:39	1992-07-19T16:29	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	252	1992-07-19T16:29	1992-07-19T17:19	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	253	1992-07-19T17:19	1992-07-19T18:10	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	254	1992-07-19T18:10	1992-07-19T19:00	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error



86	255	1992-07-19T19:00	1992-07-19T19:50	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	256	1992-07-19T19:50	1992-07-19T20:41	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	257	1992-07-19T20:41	1992-07-19T21:31	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	258	1992-07-19T21:31	1992-07-19T22:21	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	259	1992-07-19T22:21	1992-07-19T23:11	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	260	1992-07-19T23:11	1992-07-20T00:02	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	261	1992-07-20T00:02	1992-07-20T00:52	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	262	1992-07-20T00:52	1992-07-20T01:42	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	263	1992-07-20T01:42	1992-07-20T02:33	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	264	1992-07-20T02:33	1992-07-20T03:23	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	265	1992-07-20T03:23	1992-07-20T04:13	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	266	1992-07-20T04:13	1992-07-20T05:04	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	267	1992-07-20T05:04	1992-07-20T05:54	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	268	1992-07-20T05:54	1992-07-20T06:44	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	269	1992-07-20T06:44	1992-07-20T07:34	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	270	1992-07-20T07:34	1992-07-20T08:25	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	271	1992-07-20T08:25	1992-07-20T09:15	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	272	1992-07-20T09:15	1992-07-20T10:05	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	273	1992-07-20T10:05	1992-07-20T10:56	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	274	1992-07-20T10:56	1992-07-20T11:46	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	275	1992-07-20T11:46	1992-07-20T12:36	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	276	1992-07-20T12:36	1992-07-20T13:27	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	277	1992-07-20T13:27	1992-07-20T14:17	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	278	1992-07-20T14:17	1992-07-20T15:07	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	279	1992-07-20T15:07	1992-07-20T15:57	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	280	1992-07-20T15:57	1992-07-20T16:48	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	281	1992-07-20T16:48	1992-07-20T17:38	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	282	1992-07-20T17:38	1992-07-20T18:28	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	283	1992-07-20T18:28	1992-07-20T19:19	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	284	1992-07-20T19:19	1992-07-20T20:09	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	285	1992-07-20T20:09	1992-07-20T20:59	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	286	1992-07-20T20:59	1992-07-20T21:50	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	287	1992-07-20T21:50	1992-07-20T22:40	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	288	1992-07-20T22:40	1992-07-20T23:30	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	289	1992-07-20T23:30	1992-07-21T00:20	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	290	1992-07-21T00:20	1992-07-21T01:11	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	291	1992-07-21T01:11	1992-07-21T02:01	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	292	1992-07-21T02:01	1992-07-21T02:51	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	293	1992-07-21T02:51	1992-07-21T03:42	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	294	1992-07-21T03:42	1992-07-21T04:32	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	295	1992-07-21T04:32	1992-07-21T05:22	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	296	1992-07-21T05:22	1992-07-21T06:13	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	297	1992-07-21T06:13	1992-07-21T07:03	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	298	1992-07-21T07:03	1992-07-21T07:53	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	299	1992-07-21T07:53	1992-07-21T08:43	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	300	1992-07-21T08:43	1992-07-21T09:34	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	301	1992-07-21T09:34	1992-07-21T10:24	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	302	1992-07-21T10:24	1992-07-21T11:14	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error

86	303	1992-07-21T11:14	1992-07-21T12:05	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	304	1992-07-21T12:05	1992-07-21T12:55	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	305	1992-07-21T12:55	1992-07-21T13:45	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	306	1992-07-21T13:45	1992-07-21T14:36	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	307	1992-07-21T14:36	1992-07-21T15:26	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	308	1992-07-21T15:26	1992-07-21T16:16	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	309	1992-07-21T16:16	1992-07-21T17:06	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	310	1992-07-21T17:06	1992-07-21T17:57	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	311	1992-07-21T17:57	1992-07-21T18:47	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	312	1992-07-21T18:47	1992-07-21T19:37	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	313	1992-07-21T19:37	1992-07-21T20:28	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	314	1992-07-21T20:28	1992-07-21T21:18	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	315	1992-07-21T21:18	1992-07-21T22:08	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	316	1992-07-21T22:08	1992-07-21T22:59	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	317	1992-07-21T22:59	1992-07-21T23:49	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	318	1992-07-21T23:49	1992-07-22T00:39	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	319	1992-07-22T00:39	1992-07-22T01:29	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	320	1992-07-22T01:29	1992-07-22T02:20	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	321	1992-07-22T02:20	1992-07-22T03:10	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	322	1992-07-22T03:10	1992-07-22T04:00	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	323	1992-07-22T04:00	1992-07-22T04:51	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	324	1992-07-22T04:51	1992-07-22T05:41	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	325	1992-07-22T05:41	1992-07-22T06:31	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	326	1992-07-22T06:31	1992-07-22T07:22	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	327	1992-07-22T07:22	1992-07-22T08:12	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	328	1992-07-22T08:12	1992-07-22T09:02	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	329	1992-07-22T09:02	1992-07-22T09:52	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	330	1992-07-22T09:52	1992-07-22T10:43	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	331	1992-07-22T10:43	1992-07-22T11:33	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	332	1992-07-22T11:33	1992-07-22T12:23	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	333	1992-07-22T12:23	1992-07-22T13:14	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	334	1992-07-22T13:14	1992-07-22T14:04	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	335	1992-07-22T14:04	1992-07-22T14:54	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	336	1992-07-22T14:54	1992-07-22T15:45	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	337	1992-07-22T15:45	1992-07-22T16:35	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	338	1992-07-22T16:35	1992-07-22T17:25	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	339	1992-07-22T17:25	1992-07-22T18:15	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	340	1992-07-22T18:15	1992-07-22T19:06	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	341	1992-07-22T19:06	1992-07-22T19:56	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	342	1992-07-22T19:56	1992-07-22T20:46	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	343	1992-07-22T20:46	1992-07-22T21:37	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	344	1992-07-22T21:37	1992-07-22T22:27	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	345	1992-07-22T22:27	1992-07-22T23:17	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	346	1992-07-22T23:17	1992-07-23T00:08	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	347	1992-07-23T00:08	1992-07-23T00:58	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	348	1992-07-23T00:58	1992-07-23T01:48	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	349	1992-07-23T01:48	1992-07-23T02:38	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	350	1992-07-23T02:38	1992-07-23T03:29	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error

86	351	1992-07-23T03:29	1992-07-23T04:19	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	352	1992-07-23T04:19	1992-07-23T05:09	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	353	1992-07-23T05:09	1992-07-23T06:00	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	354	1992-07-23T06:00	1992-07-23T06:50	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	355	1992-07-23T06:50	1992-07-23T07:40	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	356	1992-07-23T07:40	1992-07-23T08:31	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	357	1992-07-23T08:31	1992-07-23T09:21	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	358	1992-07-23T09:21	1992-07-23T10:11	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	359	1992-07-23T10:11	1992-07-23T11:01	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	360	1992-07-23T11:01	1992-07-23T11:52	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	361	1992-07-23T11:52	1992-07-23T12:42	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	362	1992-07-23T12:42	1992-07-23T13:32	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	363	1992-07-23T13:32	1992-07-23T14:23	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	364	1992-07-23T14:23	1992-07-23T15:13	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	365	1992-07-23T15:13	1992-07-23T16:03	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	366	1992-07-23T16:03	1992-07-23T16:54	ATSR IRR and MWR in stand-by.PL-Sol due to OBC error
86	367	1992-07-23T16:54	1992-07-23T17:44	unexplained missing telemetry
86	368	1992-07-23T17:44	1992-07-23T18:34	unexplained missing telemetry
86	369	1992-07-23T18:34	1992-07-23T19:24	unexplained missing telemetry
86	370	1992-07-23T19:24	1992-07-23T20:15	unexplained missing telemetry
86	371	1992-07-23T20:15	1992-07-23T21:05	unexplained missing telemetry
86	372	1992-07-23T21:05	1992-07-23T21:55	unexplained missing telemetry
86	847	1992-08-09T11:17	1992-08-09T12:08	ATSR IRR and MWR in stand-by after OBC error
86	848	1992-08-09T12:08	1992-08-09T12:58	ATSR IRR and MWR in stand-by after OBC error
86	849	1992-08-09T12:58	1992-08-09T13:48	ATSR IRR and MWR in stand-by after OBC error
86	850	1992-08-09T13:48	1992-08-09T14:38	ATSR IRR and MWR in stand-by after OBC error
86	851	1992-08-09T14:38	1992-08-09T15:29	ATSR IRR and MWR in stand-by after OBC error
86	852	1992-08-09T15:29	1992-08-09T16:19	ATSR IRR and MWR in stand-by after OBC error
86	853	1992-08-09T16:19	1992-08-09T17:09	ATSR IRR and MWR in stand-by after OBC error
86	854	1992-08-09T17:09	1992-08-09T18:00	ATSR IRR and MWR in stand-by after OBC error
86	855	1992-08-09T18:00	1992-08-09T18:50	ATSR IRR and MWR in stand-by after OBC error
86	856	1992-08-09T18:50	1992-08-09T19:40	ATSR IRR and MWR in stand-by after OBC error
86	857	1992-08-09T19:40	1992-08-09T20:31	ATSR IRR and MWR in stand-by after OBC error
86	858	1992-08-09T20:31	1992-08-09T21:21	ATSR IRR and MWR in stand-by after OBC error
86	859	1992-08-09T21:21	1992-08-09T22:11	ATSR IRR and MWR in stand-by after OBC error
86	860	1992-08-09T22:11	1992-08-09T23:01	ATSR IRR and MWR in stand-by after OBC error
86	861	1992-08-09T23:01	1992-08-09T23:52	ATSR IRR and MWR in stand-by after OBC error
86	862	1992-08-09T23:52	1992-08-10T00:42	ATSR IRR and MWR in stand-by after OBC error
86	863	1992-08-10T00:42	1992-08-10T01:32	ATSR IRR and MWR in stand-by after OBC error
86	864	1992-08-10T01:32	1992-08-10T02:23	ATSR IRR and MWR in stand-by after OBC error
86	865	1992-08-10T02:23	1992-08-10T03:13	ATSR IRR and MWR in stand-by after OBC error
86	866	1992-08-10T03:13	1992-08-10T04:03	ATSR IRR and MWR in stand-by after OBC error
86	867	1992-08-10T04:03	1992-08-10T04:54	ATSR IRR and MWR in stand-by after OBC error
86	868	1992-08-10T04:54	1992-08-10T05:44	ATSR IRR and MWR in stand-by after OBC error
86	869	1992-08-10T05:44	1992-08-10T06:34	ATSR IRR and MWR in stand-by after OBC error
86	870	1992-08-10T06:34	1992-08-10T07:24	ATSR IRR and MWR in stand-by after OBC error
86	871	1992-08-10T07:24	1992-08-10T08:15	ATSR IRR and MWR in stand-by after OBC error
86	872	1992-08-10T08:15	1992-08-10T09:05	ATSR IRR and MWR in stand-by after OBC error

86	873	1992-08-10T09:05	1992-08-10T09:55	ATSR IRR and MWR in stand-by after OBC error
87	36	1992-08-16T03:24	1992-08-16T04:15	unexplained missing telemetry
87	146	1992-08-19T23:37	1992-08-20T00:28	Instrumens in Standby after OBC error
87	147	1992-08-20T00:28	1992-08-20T01:18	Instrumens in Standby after OBC error
87	148	1992-08-20T01:18	1992-08-20T02:08	Instrumens in Standby after OBC error
87	149	1992-08-20T02:08	1992-08-20T02:59	Instrumens in Standby after OBC error
87	150	1992-08-20T02:59	1992-08-20T03:49	Instrumens in Standby after OBC error
87	151	1992-08-20T03:49	1992-08-20T04:39	Instrumens in Standby after OBC error
87	152	1992-08-20T04:39	1992-08-20T05:29	Instrumens in Standby after OBC error
87	153	1992-08-20T05:29	1992-08-20T06:20	Instrumens in Standby after OBC error
87	154	1992-08-20T06:20	1992-08-20T07:10	Instrumens in Standby after OBC error
87	155	1992-08-20T07:10	1992-08-20T08:00	Instrumens in Standby after OBC error
87	156	1992-08-20T08:00	1992-08-20T08:51	Instrumens in Standby after OBC error
87	157	1992-08-20T08:51	1992-08-20T09:41	Instrumens in Standby after OBC error
87	158	1992-08-20T09:41	1992-08-20T10:31	Instrumens in Standby after OBC error
87	159	1992-08-20T10:31	1992-08-20T11:22	Instrumens in Standby after OBC error
87	160	1992-08-20T11:22	1992-08-20T12:12	Instrumens in Standby after OBC error
87	161	1992-08-20T12:12	1992-08-20T13:02	Instrumens in Standby after OBC error
87	162	1992-08-20T13:02	1992-08-20T13:52	Instrumens in Standby after OBC error
87	163	1992-08-20T13:52	1992-08-20T14:43	Instrumens in Standby after OBC error
87	164	1992-08-20T14:43	1992-08-20T15:33	Instrumens in Standby after OBC error
87	165	1992-08-20T15:33	1992-08-20T16:23	Instrumens in Standby after OBC error
87	166	1992-08-20T16:23	1992-08-20T17:14	Instrumens in Standby after OBC error
87	167	1992-08-20T17:14	1992-08-20T18:04	Instrumens in Standby after OBC error
87	168	1992-08-20T18:04	1992-08-20T18:54	Instrumens in Standby after OBC error
87	185	1992-08-21T08:19	1992-08-21T09:09	unexplained missing telemetry
87	305	1992-08-25T12:55	1992-08-25T13:45	ERS-1 Payload was switched down to standby at 12:43 UTC
87	306	1992-08-25T13:45	1992-08-25T14:36	ERS-1 Payload was switched down to standby at 12:43 UTC
87	307	1992-08-25T14:36	1992-08-25T15:26	ERS-1 Payload was switched down to standby at 12:43 UTC
87	308	1992-08-25T15:26	1992-08-25T16:16	ERS-1 Payload was switched down to standby at 12:43 UTC
87	309	1992-08-25T16:16	1992-08-25T17:07	ERS-1 Payload was switched down to standby at 12:43 UTC
87	516	1992-09-01T21:48	1992-09-01T22:38	unexplained missing telemetry
87	536	1992-09-02T14:34	1992-09-02T15:24	Payload was switched down due to OBC error.
87	537	1992-09-02T15:24	1992-09-02T16:15	Payload was switched down due to OBC error.
87	538	1992-09-02T16:15	1992-09-02T17:05	Payload was switched down due to OBC error.
87	539	1992-09-02T17:05	1992-09-02T17:55	Payload was switched down due to OBC error.
87	540	1992-09-02T17:55	1992-09-02T18:46	Payload was switched down due to OBC error.
87	541	1992-09-02T18:46	1992-09-02T19:36	Payload was switched down due to OBC error.
87	542	1992-09-02T19:36	1992-09-02T20:26	Payload was switched down due to OBC error.
87	543	1992-09-02T20:26	1992-09-02T21:17	Payload was switched down due to OBC error.
87	544	1992-09-02T21:17	1992-09-02T22:07	Payload was switched down due to OBC error.
87	545	1992-09-02T22:07	1992-09-02T22:57	Payload was switched down due to OBC error.
87	546	1992-09-02T22:57	1992-09-02T23:47	Payload was switched down due to OBC error.
87	547	1992-09-02T23:47	1992-09-03T00:38	Payload was switched down due to OBC error.
87	548	1992-09-03T00:38	1992-09-03T01:28	Payload was switched down due to OBC error.
87	549	1992-09-03T01:28	1992-09-03T02:18	Payload was switched down due to OBC error.
87	550	1992-09-03T02:18	1992-09-03T03:09	Payload was switched down due to OBC error.
87	551	1992-09-03T03:09	1992-09-03T03:59	Payload was switched down due to OBC error.

87	552	1992-09-03T03:59	1992-09-03T04:49	Payload was switched down due to OBC error.
87	553	1992-09-03T04:49	1992-09-03T05:40	Payload was switched down due to OBC error.
87	554	1992-09-03T05:40	1992-09-03T06:30	Payload was switched down due to OBC error.
87	555	1992-09-03T06:30	1992-09-03T07:20	Payload was switched down due to OBC error.
87	556	1992-09-03T07:20	1992-09-03T08:10	Payload was switched down due to OBC error.
87	557	1992-09-03T08:10	1992-09-03T09:01	Payload was switched down due to OBC error.
87	558	1992-09-03T09:01	1992-09-03T09:51	Payload was switched down due to OBC error.
87	559	1992-09-03T09:51	1992-09-03T10:41	Payload was switched down due to OBC error.
87	560	1992-09-03T10:41	1992-09-03T11:32	Payload was switched down due to OBC error.
87	561	1992-09-03T11:32	1992-09-03T12:22	Payload was switched down due to OBC error.
87	562	1992-09-03T12:22	1992-09-03T13:12	Payload was switched down due to OBC error.
87	563	1992-09-03T13:12	1992-09-03T14:03	Payload was switched down due to OBC error.
87	564	1992-09-03T14:03	1992-09-03T14:53	Payload was switched down due to OBC error.
87	565	1992-09-03T14:53	1992-09-03T15:43	Payload was switched down due to OBC error.
87	566	1992-09-03T15:43	1992-09-03T16:33	Payload was switched down due to OBC error.
87	569	1992-09-03T18:14	1992-09-03T19:04	Payload was switched down due to OBC error.
87	570	1992-09-03T19:04	1992-09-03T19:55	Payload was switched down due to OBC error.
87	571	1992-09-03T19:55	1992-09-03T20:45	Payload was switched down due to OBC error.
87	572	1992-09-03T20:45	1992-09-03T21:35	Payload was switched down due to OBC error.
87	573	1992-09-03T21:35	1992-09-03T22:26	Payload was switched down due to OBC error.
87	574	1992-09-03T22:26	1992-09-03T23:16	Payload was switched down due to OBC error.
87	593	1992-09-04T14:21	1992-09-04T15:12	Payload was switched down due to OBC error.
87	629	1992-09-05T20:32	1992-09-05T21:22	Payload was switched down due to OBC error.
87	630	1992-09-05T21:22	1992-09-05T22:13	Payload was switched down due to OBC error.
87	631	1992-09-05T22:13	1992-09-05T23:03	Payload was switched down due to OBC error.
87	632	1992-09-05T23:03	1992-09-05T23:53	Payload was switched down due to OBC error.
87	633	1992-09-05T23:53	1992-09-06T00:44	Payload was switched down due to OBC error.
87	634	1992-09-06T00:44	1992-09-06T01:34	Payload was switched down due to OBC error.
87	635	1992-09-06T01:34	1992-09-06T02:24	Payload was switched down due to OBC error.
87	636	1992-09-06T02:24	1992-09-06T03:14	Payload was switched down due to OBC error.
87	637	1992-09-06T03:14	1992-09-06T04:05	Payload was switched down due to OBC error.
87	638	1992-09-06T04:05	1992-09-06T04:55	Payload was switched down due to OBC error.
87	639	1992-09-06T04:55	1992-09-06T05:45	Payload was switched down due to OBC error.
87	640	1992-09-06T05:45	1992-09-06T06:36	Payload was switched down due to OBC error.
87	641	1992-09-06T06:36	1992-09-06T07:26	Payload was switched down due to OBC error.
87	642	1992-09-06T07:26	1992-09-06T08:16	Payload was switched down due to OBC error.
87	643	1992-09-06T08:16	1992-09-06T09:07	Payload was switched down due to OBC error.
87	651	1992-09-06T14:59	1992-09-06T15:49	Payload was switched down due to OBC error.
87	690	1992-09-07T23:40	1992-09-08T00:31	unexplained missing telemetry
87	699	1992-09-08T07:13	1992-09-08T08:03	payload being commanded to STANDBY
87	700	1992-09-08T08:03	1992-09-08T08:54	payload being commanded to STANDBY
87	701	1992-09-08T08:54	1992-09-08T09:44	payload being commanded to STANDBY
87	707	1992-09-08T13:55	1992-09-08T14:46	unexplained missing telemetry
87	782	1992-09-11T04:48	1992-09-11T05:38	unexplained missing telemetry
87	808	1992-09-12T02:36	1992-09-12T03:26	unexplained missing telemetry
88	176	1992-09-25T00:46	1992-09-25T01:37	unexplained missing telemetry
88	440	1992-10-04T06:05	1992-10-04T06:56	unexplained missing telemetry
88	441	1992-10-04T06:56	1992-10-04T07:46	unexplained missing telemetry

88	580	1992-10-09T03:27	1992-10-09T04:18	unexplained missing telemetry
88	715	1992-10-13T20:38	1992-10-13T21:28	unexplained missing telemetry
88	726	1992-10-14T05:51	1992-10-14T06:41	unexplained missing telemetry
88	727	1992-10-14T06:41	1992-10-14T07:32	unexplained missing telemetry
88	782	1992-10-16T04:48	1992-10-16T05:38	unexplained missing telemetry
89	320	1992-11-04T01:29	1992-11-04T02:20	unexplained missing telemetry
89	321	1992-11-04T02:20	1992-11-04T03:10	unexplained missing telemetry
89	322	1992-11-04T03:10	1992-11-04T04:00	unexplained missing telemetry
89	570	1992-11-12T19:04	1992-11-12T19:55	ESOC operations : IDHT hence ATSR data unavailable
89	571	1992-11-12T19:55	1992-11-12T20:45	ESOC operations : IDHT hence ATSR data unavailable
89	572	1992-11-12T20:45	1992-11-12T21:35	ESOC operations : IDHT hence ATSR data unavailable
89	984	1992-11-27T06:08	1992-11-27T06:58	unexplained missing telemetry
89	985	1992-11-27T06:58	1992-11-27T07:49	unexplained missing telemetry
90	122	1992-12-02T03:30	1992-12-02T04:20	unexplained missing telemetry
90	171	1992-12-03T20:35	1992-12-03T21:25	unexplained missing telemetry
90	172	1992-12-03T21:25	1992-12-03T22:15	unexplained missing telemetry
90	197	1992-12-04T18:22	1992-12-04T19:13	unexplained missing telemetry
90	238	1992-12-06T04:45	1992-12-06T05:35	unexplained missing telemetry
90	268	1992-12-07T05:54	1992-12-07T06:44	unexplained missing telemetry
90	269	1992-12-07T06:44	1992-12-07T07:34	unexplained missing telemetry
90	352	1992-12-10T04:19	1992-12-10T05:09	unexplained missing telemetry
90	389	1992-12-11T11:20	1992-12-11T12:10	unexplained missing telemetry
90	390	1992-12-11T12:10	1992-12-11T13:01	unexplained missing telemetry
90	391	1992-12-11T13:01	1992-12-11T13:51	unexplained missing telemetry
90	392	1992-12-11T13:51	1992-12-11T14:41	unexplained missing telemetry
90	393	1992-12-11T14:41	1992-12-11T15:31	unexplained missing telemetry
90	483	1992-12-14T18:08	1992-12-14T18:58	unexplained missing telemetry
90	948	1992-12-30T23:57	1992-12-31T00:48	unexplained missing telemetry
90	949	1992-12-31T00:48	1992-12-31T01:38	unexplained missing telemetry
90	950	1992-12-31T01:38	1992-12-31T02:28	unexplained missing telemetry
91	232	1993-01-09T23:43	1993-01-10T00:33	unexplained missing telemetry
91	451	1993-01-17T15:19	1993-01-17T16:09	unexplained missing telemetry
91	468	1993-01-18T05:34	1993-01-18T06:24	unexplained missing telemetry
91	469	1993-01-18T06:24	1993-01-18T07:14	unexplained missing telemetry
91	636	1993-01-24T02:24	1993-01-24T03:14	unexplained missing telemetry
91	877	1993-02-01T12:26	1993-02-01T13:16	unexplained missing telemetry
92	116	1993-02-09T22:28	1993-02-09T23:19	unexplained missing telemetry
92	174	1993-02-11T23:06	1993-02-11T23:56	unexplained missing telemetry
92	331	1993-02-17T10:43	1993-02-17T11:33	IDHT in standby mode
92	376	1993-02-19T00:26	1993-02-19T01:16	unexplained missing telemetry
92	913	1993-03-09T18:37	1993-03-09T19:27	Emergency switchdown
92	914	1993-03-09T19:27	1993-03-09T20:17	Emergency switchdown
92	963	1993-03-11T12:32	1993-03-11T13:22	unexplained missing telemetry
93	518	1993-03-30T23:29	1993-03-31T00:19	unexplained missing telemetry
93	944	1993-04-14T20:36	1993-04-14T21:26	unexplained missing telemetry
93	945	1993-04-14T21:26	1993-04-14T22:17	unexplained missing telemetry
93	946	1993-04-14T22:17	1993-04-14T23:07	unexplained missing telemetry
93	947	1993-04-14T23:07	1993-04-14T23:57	unexplained missing telemetry

93	948	1993-04-14T23:57	1993-04-15T00:48	unexplained missing telemetry
93	949	1993-04-15T00:48	1993-04-15T01:38	unexplained missing telemetry
93	950	1993-04-15T01:38	1993-04-15T02:28	unexplained missing telemetry
93	951	1993-04-15T02:28	1993-04-15T03:18	unexplained missing telemetry
93	952	1993-04-15T03:18	1993-04-15T04:09	unexplained missing telemetry
93	953	1993-04-15T04:09	1993-04-15T04:59	unexplained missing telemetry
93	954	1993-04-15T04:59	1993-04-15T05:49	unexplained missing telemetry
93	955	1993-04-15T05:49	1993-04-15T06:40	unexplained missing telemetry
93	956	1993-04-15T06:40	1993-04-15T07:30	unexplained missing telemetry
93	957	1993-04-15T07:30	1993-04-15T08:20	unexplained missing telemetry
93	958	1993-04-15T08:20	1993-04-15T09:11	unexplained missing telemetry
93	959	1993-04-15T09:11	1993-04-15T10:01	unexplained missing telemetry
93	960	1993-04-15T10:01	1993-04-15T10:51	unexplained missing telemetry
93	961	1993-04-15T10:51	1993-04-15T11:41	unexplained missing telemetry
94	668	1993-05-10T05:13	1993-05-10T06:04	unexplained missing telemetry
94	669	1993-05-10T06:04	1993-05-10T06:54	unexplained missing telemetry
95	503	1993-06-08T10:54	1993-06-08T11:44	unexplained missing telemetry
95	804	1993-06-18T23:14	1993-06-19T00:05	unexplained missing telemetry
95	870	1993-06-21T06:34	1993-06-21T07:24	unexplained missing telemetry
95	871	1993-06-21T07:24	1993-06-21T08:15	unexplained missing telemetry
95	872	1993-06-21T08:15	1993-06-21T09:05	Due to ESOC operations the IDHT was unavailable
95	873	1993-06-21T09:05	1993-06-21T09:55	Due to ESOC operations the IDHT was unavailable
95	875	1993-06-21T10:46	1993-06-21T11:36	unexplained missing telemetry
95	948	1993-06-23T23:57	1993-06-24T00:48	unexplained missing telemetry
96	266	1993-07-05T04:13	1993-07-05T05:03	unexplained missing telemetry
96	318	1993-07-06T23:49	1993-07-07T00:39	unexplained missing telemetry
96	862	1993-07-25T23:52	1993-07-26T00:42	unexplained missing telemetry
96	961	1993-07-29T10:51	1993-07-29T11:42	unexplained missing telemetry
97	32	1993-08-01T00:03	1993-08-01T00:54	unexplained missing telemetry
97	260	1993-08-08T23:11	1993-08-09T00:02	unexplained missing telemetry
97	266	1993-08-09T04:13	1993-08-09T05:04	unexplained missing telemetry
97	346	1993-08-11T23:17	1993-08-12T00:08	unexplained missing telemetry
97	531	1993-08-18T10:23	1993-08-18T11:13	Platform anomaly: payload switched to stand-by
97	532	1993-08-18T11:13	1993-08-18T12:03	Platform anomaly: payload switched to stand-by
97	533	1993-08-18T12:03	1993-08-18T12:54	Platform anomaly: payload switched to stand-by
97	534	1993-08-18T12:54	1993-08-18T13:44	Platform anomaly: payload switched to stand-by
97	535	1993-08-18T13:44	1993-08-18T14:34	Platform anomaly: payload switched to stand-by
97	536	1993-08-18T14:34	1993-08-18T15:24	Platform anomaly: payload switched to stand-by
97	537	1993-08-18T15:24	1993-08-18T16:15	Platform anomaly: payload switched to stand-by
97	576	1993-08-20T00:06	1993-08-20T00:56	unexplained missing telemetry
97	804	1993-08-27T23:14	1993-08-28T00:05	unexplained missing telemetry
98	288	1993-09-13T22:40	1993-09-13T23:30	IDHT standby due to duplication of on-board commands
98	289	1993-09-13T23:30	1993-09-14T00:20	IDHT standby due to duplication of on-board commands
98	290	1993-09-14T00:20	1993-09-14T01:11	IDHT standby due to duplication of on-board commands
98	291	1993-09-14T01:11	1993-09-14T02:01	IDHT standby due to duplication of on-board commands
98	292	1993-09-14T02:01	1993-09-14T02:51	IDHT standby due to duplication of on-board commands
98	293	1993-09-14T02:51	1993-09-14T03:42	IDHT standby due to duplication of on-board commands
98	294	1993-09-14T03:42	1993-09-14T04:32	IDHT standby due to duplication of on-board commands

98	295	1993-09-14T04:32	1993-09-14T05:22	IDHT standby due to duplication of on-board commands
98	296	1993-09-14T05:22	1993-09-14T06:13	IDHT standby due to duplication of on-board commands
98	297	1993-09-14T06:13	1993-09-14T07:03	IDHT standby due to duplication of on-board commands
98	298	1993-09-14T07:03	1993-09-14T07:53	IDHT standby due to duplication of on-board commands
98	299	1993-09-14T07:53	1993-09-14T08:43	IDHT standby due to duplication of on-board commands
98	300	1993-09-14T08:43	1993-09-14T09:34	IDHT standby due to duplication of on-board commands
98	301	1993-09-14T09:34	1993-09-14T10:24	IDHT standby due to duplication of on-board commands
98	302	1993-09-14T10:24	1993-09-14T11:14	IDHT standby due to duplication of on-board commands
98	303	1993-09-14T11:14	1993-09-14T12:05	IDHT standby due to duplication of on-board commands
98	395	1993-09-17T16:22	1993-09-17T17:12	unexplained missing telemetry
98	582	1993-09-24T05:08	1993-09-24T05:58	unexplained missing telemetry
98	583	1993-09-24T05:58	1993-09-24T06:48	unexplained missing telemetry
98	589	1993-09-24T11:00	1993-09-24T11:50	unexplained missing telemetry
98	754	1993-09-30T05:19	1993-09-30T06:10	unexplained missing telemetry
98	755	1993-09-30T06:10	1993-09-30T07:00	unexplained missing telemetry
98	821	1993-10-02T13:29	1993-10-02T14:20	ATSR to standby during AMI recovery
98	822	1993-10-02T14:20	1993-10-02T15:10	ATSR to standby during AMI recovery
98	823	1993-10-02T15:10	1993-10-02T16:00	ATSR to standby during AMI recovery
99	745	1993-11-03T21:47	1993-11-03T22:37	unexplained missing telemetry
99	746	1993-11-03T22:37	1993-11-03T23:27	unexplained missing telemetry
100	79	1993-11-15T15:27	1993-11-15T16:17	unexplained missing telemetry
100	666	1993-12-06T03:33	1993-12-06T04:23	Due to an anomaly with the IDHT LBR data was lost
100	667	1993-12-06T04:23	1993-12-06T05:13	Due to an anomaly with the IDHT LBR data was lost
100	668	1993-12-06T05:13	1993-12-06T06:04	Due to an anomaly with the IDHT LBR data was lost
100	669	1993-12-06T06:04	1993-12-06T06:54	Due to an anomaly with the IDHT LBR data was lost
100	670	1993-12-06T06:54	1993-12-06T07:44	Due to an anomaly with the IDHT LBR data was lost
100	671	1993-12-06T07:44	1993-12-06T08:35	Due to an anomaly with the IDHT LBR data was lost
100	672	1993-12-06T08:35	1993-12-06T09:25	Due to an anomaly with the IDHT LBR data was lost
100	673	1993-12-06T09:25	1993-12-06T10:15	Due to an anomaly with the IDHT LBR data was lost
100	791	1993-12-10T12:20	1993-12-10T13:11	unexplained missing telemetry
100	792	1993-12-10T13:11	1993-12-10T14:01	unexplained missing telemetry
100	794	1993-12-10T14:51	1993-12-10T15:41	unexplained missing telemetry
100	795	1993-12-10T15:41	1993-12-10T16:32	unexplained missing telemetry
100	796	1993-12-10T16:32	1993-12-10T17:22	unexplained missing telemetry
100	797	1993-12-10T17:22	1993-12-10T18:12	unexplained missing telemetry
100	877	1993-12-13T12:26	1993-12-13T13:16	IRR outgassing operations
100	878	1993-12-13T13:16	1993-12-13T14:07	IRR outgassing operations
100	879	1993-12-13T14:07	1993-12-13T14:57	IRR outgassing operations
100	880	1993-12-13T14:57	1993-12-13T15:47	IRR outgassing operations
100	881	1993-12-13T15:47	1993-12-13T16:37	IRR outgassing operations
100	882	1993-12-13T16:37	1993-12-13T17:28	IRR outgassing operations
100	883	1993-12-13T17:28	1993-12-13T18:18	IRR outgassing operations
100	884	1993-12-13T18:18	1993-12-13T19:08	IRR outgassing operations
100	911	1993-12-14T16:56	1993-12-14T17:46	IRR outgassing operations
100	912	1993-12-14T17:46	1993-12-14T18:37	IRR outgassing operations
101	96	1993-12-21T05:42	1993-12-21T06:32	unexplained missing telemetry
101	97	1993-12-21T06:32	1993-12-21T07:23	unexplained missing telemetry
101	165	1993-12-23T15:33	1993-12-23T16:23	unexplained missing telemetry



103	45	1993-12-26T10:31	1993-12-26T11:22	unexplained missing telemetry
106	19	1994-01-03T12:45	1994-01-03T13:36	unexplained missing telemetry
106	20	1994-01-03T13:36	1994-01-03T14:26	unexplained missing telemetry
106	21	1994-01-03T14:26	1994-01-03T15:16	unexplained missing telemetry
108	10	1994-01-09T05:13	1994-01-09T06:04	unexplained missing telemetry
108	11	1994-01-09T06:04	1994-01-09T06:54	unexplained missing telemetry
108	12	1994-01-09T06:54	1994-01-09T07:44	unexplained missing telemetry
108	13	1994-01-09T07:44	1994-01-09T08:34	unexplained missing telemetry
108	59	1994-01-10T22:15	1994-01-10T23:05	unexplained missing telemetry
108	60	1994-01-10T23:05	1994-01-10T23:55	unexplained missing telemetry
109	8	1994-01-12T03:33	1994-01-12T04:23	unexplained missing telemetry
109	13	1994-01-12T07:44	1994-01-12T08:34	unexplained missing telemetry
110	19	1994-01-15T12:45	1994-01-15T13:36	unexplained missing telemetry
110	25	1994-01-15T17:47	1994-01-15T18:37	unexplained missing telemetry
110	26	1994-01-15T18:37	1994-01-15T19:27	unexplained missing telemetry
110	27	1994-01-15T19:27	1994-01-15T20:17	unexplained missing telemetry
110	40	1994-01-16T06:20	1994-01-16T07:10	unexplained missing telemetry
110	41	1994-01-16T07:10	1994-01-16T08:01	unexplained missing telemetry
110	49	1994-01-16T13:52	1994-01-16T14:43	unexplained missing telemetry
112	53	1994-01-22T17:13	1994-01-22T18:04	Emergency switch-down, ICU not running detected by OBC
112	54	1994-01-22T18:04	1994-01-22T18:54	Emergency switch-down, ICU not running detected by OBC
112	55	1994-01-22T18:54	1994-01-22T19:44	Emergency switch-down, ICU not running detected by OBC
112	56	1994-01-22T19:44	1994-01-22T20:34	Emergency switch-down, ICU not running detected by OBC
112	60	1994-01-22T23:05	1994-01-22T23:55	Emergency switch-down, ICU not running detected by OBC
113	21	1994-01-24T14:26	1994-01-24T15:16	unexplained missing telemetry
114	21	1994-01-27T14:26	1994-01-27T15:16	unexplained missing telemetry
115	1	1994-01-29T21:41	1994-01-29T22:31	IDHT unavailable
115	2	1994-01-29T22:31	1994-01-29T23:22	IDHT unavailable
115	3	1994-01-29T23:22	1994-01-30T00:12	IDHT unavailable
115	4	1994-01-30T00:12	1994-01-30T01:02	IDHT unavailable
115	5	1994-01-30T01:02	1994-01-30T01:52	IDHT unavailable
115	6	1994-01-30T01:52	1994-01-30T02:43	IDHT unavailable
115	7	1994-01-30T02:43	1994-01-30T03:33	IDHT unavailable
115	8	1994-01-30T03:33	1994-01-30T04:23	IDHT unavailable
115	9	1994-01-30T04:23	1994-01-30T05:13	IDHT unavailable
115	10	1994-01-30T05:13	1994-01-30T06:04	IDHT unavailable
115	11	1994-01-30T06:04	1994-01-30T06:54	IDHT unavailable
115	12	1994-01-30T06:54	1994-01-30T07:44	IDHT unavailable
115	13	1994-01-30T07:44	1994-01-30T08:34	IDHT unavailable
115	14	1994-01-30T08:34	1994-01-30T09:24	IDHT unavailable
115	15	1994-01-30T09:24	1994-01-30T10:15	IDHT unavailable
115	16	1994-01-30T10:15	1994-01-30T11:05	IDHT unavailable
115	17	1994-01-30T11:05	1994-01-30T11:55	IDHT unavailable
115	18	1994-01-30T11:55	1994-01-30T12:45	IDHT unavailable
115	19	1994-01-30T12:45	1994-01-30T13:36	IDHT unavailable
116	49	1994-02-03T13:52	1994-02-03T14:43	unexplained missing telemetry
117	49	1994-02-06T13:52	1994-02-06T14:43	unexplained missing telemetry
117	50	1994-02-06T14:43	1994-02-06T15:33	unexplained missing telemetry



117	51	1994-02-06T15:33	1994-02-06T16:23	unexplained missing telemetry
117	75	1994-02-07T11:38	1994-02-07T12:29	unexplained missing telemetry
118	60	1994-02-09T23:05	1994-02-09T23:55	unexplained missing telemetry
120	64	1994-02-16T02:26	1994-02-16T03:16	unexplained missing telemetry
120	65	1994-02-16T03:16	1994-02-16T04:06	unexplained missing telemetry
120	66	1994-02-16T04:06	1994-02-16T04:57	unexplained missing telemetry
121	2	1994-02-16T22:31	1994-02-16T23:22	unexplained missing telemetry
121	3	1994-02-16T23:22	1994-02-17T00:12	unexplained missing telemetry
121	4	1994-02-17T00:12	1994-02-17T01:02	unexplained missing telemetry
122	43	1994-02-21T08:51	1994-02-21T09:41	unexplained missing telemetry
122	44	1994-02-21T09:41	1994-02-21T10:31	unexplained missing telemetry
122	45	1994-02-21T10:31	1994-02-21T11:22	unexplained missing telemetry
127	73	1994-03-09T09:58	1994-03-09T10:48	unexplained missing telemetry
128	21	1994-03-10T14:26	1994-03-10T15:16	unexplained missing telemetry
128	62	1994-03-12T00:45	1994-03-12T01:36	unexplained missing telemetry
129	32	1994-03-13T23:38	1994-03-14T00:29	unexplained missing telemetry
132	47	1994-03-23T12:12	1994-03-23T13:02	unexplained missing telemetry
132	48	1994-03-23T13:02	1994-03-23T13:52	unexplained missing telemetry
132	49	1994-03-23T13:52	1994-03-23T14:43	unexplained missing telemetry
132	50	1994-03-23T14:43	1994-03-23T15:33	unexplained missing telemetry
132	51	1994-03-23T15:33	1994-03-23T16:23	unexplained missing telemetry
132	56	1994-03-23T19:44	1994-03-23T20:34	unexplained missing telemetry
132	57	1994-03-23T20:34	1994-03-23T21:24	unexplained missing telemetry
133	19	1994-03-25T12:45	1994-03-25T13:36	unexplained missing telemetry
133	20	1994-03-25T13:36	1994-03-25T14:26	unexplained missing telemetry
133	21	1994-03-25T14:26	1994-03-25T15:16	unexplained missing telemetry
133	64	1994-03-27T02:26	1994-03-27T03:16	unexplained missing telemetry
134	8	1994-03-28T03:33	1994-03-28T04:23	unexplained missing telemetry
135	45	1994-04-01T10:31	1994-04-01T11:22	unexplained missing telemetry
137	2	1994-04-05T22:31	1994-04-05T23:22	unexplained missing telemetry
137	71	1994-04-08T08:17	1994-04-08T09:08	unexplained missing telemetry
139	3861	1994-04-20T09:41	1994-04-20T10:31	unexplained missing telemetry
139	3862	1994-04-20T10:31	1994-04-20T11:21	unexplained missing telemetry
139	3863	1994-04-20T11:21	1994-04-20T12:11	unexplained missing telemetry
139	3864	1994-04-20T12:11	1994-04-20T13:01	unexplained missing telemetry
139	3865	1994-04-20T13:01	1994-04-20T13:51	unexplained missing telemetry
139	3866	1994-04-20T13:51	1994-04-20T14:42	unexplained missing telemetry
139	3867	1994-04-20T14:42	1994-04-20T15:32	unexplained missing telemetry
139	3868	1994-04-20T15:32	1994-04-20T16:22	unexplained missing telemetry
139	3869	1994-04-20T16:22	1994-04-20T17:12	unexplained missing telemetry
139	3870	1994-04-20T17:12	1994-04-20T18:02	unexplained missing telemetry
139	3871	1994-04-20T18:02	1994-04-20T18:52	unexplained missing telemetry
139	3872	1994-04-20T18:52	1994-04-20T19:43	unexplained missing telemetry
139	3873	1994-04-20T19:43	1994-04-20T20:33	unexplained missing telemetry
139	3874	1994-04-20T20:33	1994-04-20T21:23	unexplained missing telemetry
139	3959	1994-04-23T19:37	1994-04-23T20:27	unexplained missing telemetry
139	4017	1994-04-25T20:07	1994-04-25T20:57	unexplained missing telemetry
139	4043	1994-04-26T17:52	1994-04-26T18:42	unexplained missing telemetry

139	4086	1994-04-28T05:49	1994-04-28T06:39	unexplained missing telemetry
139	4087	1994-04-28T06:39	1994-04-28T07:29	unexplained missing telemetry
139	4170	1994-05-01T04:03	1994-05-01T04:53	unexplained missing telemetry
139	4428	1994-05-10T03:47	1994-05-10T04:37	unexplained missing telemetry
139	4482	1994-05-12T00:56	1994-05-12T01:46	unexplained missing telemetry
139	4491	1994-05-12T08:28	1994-05-12T09:18	unexplained missing telemetry
139	4495	1994-05-12T11:48	1994-05-12T12:39	unexplained missing telemetry
139	4496	1994-05-12T12:39	1994-05-12T13:29	unexplained missing telemetry
139	4497	1994-05-12T13:29	1994-05-12T14:19	unexplained missing telemetry
139	4557	1994-05-14T15:39	1994-05-14T16:29	unexplained missing telemetry
139	4558	1994-05-14T16:29	1994-05-14T17:19	unexplained missing telemetry
139	4559	1994-05-14T17:19	1994-05-14T18:10	unexplained missing telemetry
139	4624	1994-05-16T23:40	1994-05-17T00:31	unexplained missing telemetry
139	4625	1994-05-17T00:31	1994-05-17T01:21	unexplained missing telemetry
139	4626	1994-05-17T01:21	1994-05-17T02:11	unexplained missing telemetry
139	4627	1994-05-17T02:11	1994-05-17T03:01	unexplained missing telemetry
139	4628	1994-05-17T03:01	1994-05-17T03:51	unexplained missing telemetry
140	90	1994-05-27T00:29	1994-05-27T01:20	unexplained missing telemetry
140	91	1994-05-27T01:20	1994-05-27T02:10	unexplained missing telemetry
140	92	1994-05-27T02:10	1994-05-27T03:00	unexplained missing telemetry
140	490	1994-06-09T22:58	1994-06-09T23:48	unexplained missing telemetry
140	563	1994-06-12T12:00	1994-06-12T12:50	unexplained missing telemetry
140	606	1994-06-13T23:57	1994-06-14T00:47	unexplained missing telemetry
140	653	1994-06-15T15:15	1994-06-15T16:05	unexplained missing telemetry
140	719	1994-06-17T22:27	1994-06-17T23:17	unexplained missing telemetry
140	720	1994-06-17T23:17	1994-06-18T00:07	unexplained missing telemetry
140	737	1994-06-18T13:30	1994-06-18T14:20	unexplained missing telemetry
140	748	1994-06-18T22:41	1994-06-18T23:32	unexplained missing telemetry
140	749	1994-06-18T23:32	1994-06-19T00:22	unexplained missing telemetry
140	750	1994-06-19T00:22	1994-06-19T01:12	unexplained missing telemetry
140	751	1994-06-19T01:12	1994-06-19T02:02	unexplained missing telemetry
140	752	1994-06-19T02:02	1994-06-19T02:52	unexplained missing telemetry
140	756	1994-06-19T05:23	1994-06-19T06:13	unexplained missing telemetry
140	757	1994-06-19T06:13	1994-06-19T07:03	unexplained missing telemetry
140	769	1994-06-19T16:15	1994-06-19T17:05	unexplained missing telemetry
140	776	1994-06-19T22:06	1994-06-19T22:56	unexplained missing telemetry
140	805	1994-06-20T22:21	1994-06-20T23:11	unexplained missing telemetry
140	806	1994-06-20T23:11	1994-06-21T00:01	unexplained missing telemetry
140	834	1994-06-21T22:36	1994-06-21T23:26	unexplained missing telemetry
140	891	1994-06-23T22:16	1994-06-23T23:06	unexplained missing telemetry
140	892	1994-06-23T23:06	1994-06-23T23:56	unexplained missing telemetry
140	893	1994-06-23T23:56	1994-06-24T00:46	unexplained missing telemetry
140	894	1994-06-24T00:46	1994-06-24T01:36	unexplained missing telemetry
140	920	1994-06-24T22:31	1994-06-24T23:21	unexplained missing telemetry
140	948	1994-06-25T21:55	1994-06-25T22:46	unexplained missing telemetry
140	977	1994-06-26T22:10	1994-06-26T23:01	unexplained missing telemetry
140	978	1994-06-26T23:01	1994-06-26T23:51	unexplained missing telemetry
140	1006	1994-06-27T22:25	1994-06-27T23:15	unexplained missing telemetry

140	1063	1994-06-29T22:05	1994-06-29T22:55	unexplained missing telemetry
140	1064	1994-06-29T22:55	1994-06-29T23:45	unexplained missing telemetry
140	1079	1994-06-30T11:28	1994-06-30T12:18	unexplained missing telemetry
140	1091	1994-06-30T21:30	1994-06-30T22:20	unexplained missing telemetry
140	1092	1994-06-30T22:20	1994-06-30T23:10	unexplained missing telemetry
140	1096	1994-07-01T01:41	1994-07-01T02:31	unexplained missing telemetry
140	1100	1994-07-01T05:01	1994-07-01T05:51	unexplained missing telemetry
140	1121	1994-07-01T22:35	1994-07-01T23:25	unexplained missing telemetry
140	1122	1994-07-01T23:25	1994-07-02T00:15	unexplained missing telemetry
140	1150	1994-07-02T22:50	1994-07-02T23:40	unexplained missing telemetry
140	1175	1994-07-03T19:44	1994-07-03T20:34	unexplained missing telemetry
140	1176	1994-07-03T20:34	1994-07-03T21:24	unexplained missing telemetry
140	1177	1994-07-03T21:24	1994-07-03T22:15	unexplained missing telemetry
140	1178	1994-07-03T22:15	1994-07-03T23:05	unexplained missing telemetry
140	1206	1994-07-04T21:39	1994-07-04T22:29	unexplained missing telemetry
140	1207	1994-07-04T22:29	1994-07-04T23:20	unexplained missing telemetry
140	1208	1994-07-04T23:20	1994-07-05T00:10	unexplained missing telemetry
140	1236	1994-07-05T22:44	1994-07-05T23:35	unexplained missing telemetry
140	1264	1994-07-06T22:09	1994-07-06T22:59	unexplained missing telemetry
140	1328	1994-07-09T03:40	1994-07-09T04:30	unexplained missing telemetry
140	1543	1994-07-16T15:27	1994-07-16T16:17	unexplained missing telemetry
140	1747	1994-07-23T18:01	1994-07-23T18:52	unexplained missing telemetry
140	1769	1994-07-24T12:25	1994-07-24T13:15	unexplained missing telemetry
140	1889	1994-07-28T16:46	1994-07-28T17:36	unexplained missing telemetry
140	1890	1994-07-28T17:36	1994-07-28T18:26	unexplained missing telemetry
140	1891	1994-07-28T18:26	1994-07-28T19:16	unexplained missing telemetry
140	1904	1994-07-29T05:18	1994-07-29T06:08	unexplained missing telemetry
140	1905	1994-07-29T06:08	1994-07-29T06:58	unexplained missing telemetry
140	1915	1994-07-29T14:30	1994-07-29T15:20	unexplained missing telemetry
140	2270	1994-08-10T23:20	1994-08-11T00:11	unexplained missing telemetry
140	2356	1994-08-13T23:15	1994-08-14T00:05	unexplained missing telemetry
140	2364	1994-08-14T05:56	1994-08-14T06:46	unexplained missing telemetry
140	2365	1994-08-14T06:46	1994-08-14T07:37	unexplained missing telemetry
140	2366	1994-08-14T07:37	1994-08-14T08:27	unexplained missing telemetry
140	2367	1994-08-14T08:27	1994-08-14T09:17	unexplained missing telemetry
140	2392	1994-08-15T05:21	1994-08-15T06:11	unexplained missing telemetry
140	2393	1994-08-15T06:11	1994-08-15T07:01	unexplained missing telemetry
140	2708	1994-08-26T05:35	1994-08-26T06:25	unexplained missing telemetry
140	2709	1994-08-26T06:25	1994-08-26T07:15	unexplained missing telemetry
140	2869	1994-08-31T20:12	1994-08-31T21:02	unexplained missing telemetry
140	2938	1994-09-03T05:54	1994-09-03T06:44	unexplained missing telemetry
140	2939	1994-09-03T06:44	1994-09-03T07:34	unexplained missing telemetry
140	3074	1994-09-07T23:37	1994-09-08T00:27	unexplained missing telemetry
140	3075	1994-09-08T00:27	1994-09-08T01:17	unexplained missing telemetry
140	3076	1994-09-08T01:17	1994-09-08T02:08	IDHT anomaly
140	3077	1994-09-08T02:08	1994-09-08T02:58	IDHT anomaly
140	3078	1994-09-08T02:58	1994-09-08T03:48	IDHT anomaly
140	3079	1994-09-08T03:48	1994-09-08T04:38	IDHT anomaly

140	3080	1994-09-08T04:38	1994-09-08T05:28	IDHT anomaly
140	3081	1994-09-08T05:28	1994-09-08T06:18	IDHT anomaly
140	3082	1994-09-08T06:18	1994-09-08T07:09	IDHT anomaly
140	3083	1994-09-08T07:09	1994-09-08T07:59	IDHT anomaly
140	3087	1994-09-08T10:29	1994-09-08T11:19	IDHT anomaly
140	3585	1994-09-25T18:54	1994-09-25T19:44	unexplained missing telemetry
140	3648	1994-09-27T23:35	1994-09-28T00:25	unexplained missing telemetry
141	4757	1994-09-29T14:53	1994-09-29T15:43	unexplained missing telemetry
142	94	1994-10-05T03:50	1994-10-05T04:40	ATSR DEU anomaly reset & outgas operations
142	95	1994-10-05T04:40	1994-10-05T05:30	ATSR DEU anomaly reset & outgas operations
142	96	1994-10-05T05:30	1994-10-05T06:20	ATSR DEU anomaly reset & outgas operations
142	97	1994-10-05T06:20	1994-10-05T07:11	ATSR DEU anomaly reset & outgas operations
142	98	1994-10-05T07:11	1994-10-05T08:01	ATSR DEU anomaly reset & outgas operations
142	99	1994-10-05T08:01	1994-10-05T08:51	ATSR DEU anomaly reset & outgas operations
142	100	1994-10-05T08:51	1994-10-05T09:41	ATSR DEU anomaly reset & outgas operations
142	101	1994-10-05T09:41	1994-10-05T10:31	ATSR DEU anomaly reset & outgas operations
142	102	1994-10-05T10:31	1994-10-05T11:21	ATSR DEU anomaly reset & outgas operations
142	103	1994-10-05T11:21	1994-10-05T12:12	ATSR DEU anomaly reset & outgas operations
142	104	1994-10-05T12:12	1994-10-05T13:02	ATSR DEU anomaly reset & outgas operations
142	105	1994-10-05T13:02	1994-10-05T13:52	ATSR DEU anomaly reset & outgas operations
142	106	1994-10-05T13:52	1994-10-05T14:42	ATSR DEU anomaly reset & outgas operations
142	107	1994-10-05T14:42	1994-10-05T15:32	ATSR DEU anomaly reset & outgas operations
142	108	1994-10-05T15:32	1994-10-05T16:22	ATSR DEU anomaly reset & outgas operations
142	109	1994-10-05T16:22	1994-10-05T17:13	ATSR DEU anomaly reset & outgas operations
142	110	1994-10-05T17:13	1994-10-05T18:03	ATSR DEU anomaly reset & outgas operations
142	111	1994-10-05T18:03	1994-10-05T18:53	ATSR DEU anomaly reset & outgas operations
142	112	1994-10-05T18:53	1994-10-05T19:43	ATSR DEU anomaly reset & outgas operations
142	113	1994-10-05T19:43	1994-10-05T20:33	ATSR DEU anomaly reset & outgas operations
142	114	1994-10-05T20:33	1994-10-05T21:24	ATSR DEU anomaly reset & outgas operations
142	115	1994-10-05T21:24	1994-10-05T22:14	ATSR DEU anomaly reset & outgas operations
142	116	1994-10-05T22:14	1994-10-05T23:04	ATSR DEU anomaly reset & outgas operations
142	117	1994-10-05T23:04	1994-10-05T23:54	ATSR DEU anomaly reset & outgas operations
142	118	1994-10-05T23:54	1994-10-06T00:44	ATSR DEU anomaly reset & outgas operations
142	119	1994-10-06T00:44	1994-10-06T01:34	ATSR DEU anomaly reset & outgas operations
142	120	1994-10-06T01:34	1994-10-06T02:25	ATSR DEU anomaly reset & outgas operations
142	121	1994-10-06T02:25	1994-10-06T03:15	ATSR DEU anomaly reset & outgas operations
142	122	1994-10-06T03:15	1994-10-06T04:05	ATSR DEU anomaly reset & outgas operations
142	123	1994-10-06T04:05	1994-10-06T04:55	ATSR DEU anomaly reset & outgas operations
142	124	1994-10-06T04:55	1994-10-06T05:45	ATSR DEU anomaly reset & outgas operations
142	125	1994-10-06T05:45	1994-10-06T06:35	ATSR DEU anomaly reset & outgas operations
142	126	1994-10-06T06:35	1994-10-06T07:26	ATSR DEU anomaly reset & outgas operations
142	127	1994-10-06T07:26	1994-10-06T08:16	ATSR DEU anomaly reset & outgas operations
142	128	1994-10-06T08:16	1994-10-06T09:06	ATSR DEU anomaly reset & outgas operations
142	129	1994-10-06T09:06	1994-10-06T09:56	ATSR DEU anomaly reset & outgas operations
142	130	1994-10-06T09:56	1994-10-06T10:46	ATSR DEU anomaly reset & outgas operations
142	131	1994-10-06T10:46	1994-10-06T11:36	ATSR DEU anomaly reset & outgas operations
142	132	1994-10-06T11:36	1994-10-06T12:27	ATSR DEU anomaly reset & outgas operations
142	133	1994-10-06T12:27	1994-10-06T13:17	ATSR DEU anomaly reset & outgas operations

142	432	1994-10-16T22:27	1994-10-16T23:18	unexplained missing telemetry
142	440	1994-10-17T05:09	1994-10-17T05:59	unexplained missing telemetry
142	501	1994-10-19T08:09	1994-10-19T08:59	unexplained missing telemetry
142	502	1994-10-19T08:59	1994-10-19T09:50	unexplained missing telemetry
142	503	1994-10-19T09:50	1994-10-19T10:40	unexplained missing telemetry
142	504	1994-10-19T10:40	1994-10-19T11:30	unexplained missing telemetry
142	505	1994-10-19T11:30	1994-10-19T12:20	unexplained missing telemetry
142	513	1994-10-19T18:11	1994-10-19T19:01	unexplained missing telemetry
142	520	1994-10-20T00:02	1994-10-20T00:53	unexplained missing telemetry
142	528	1994-10-20T06:44	1994-10-20T07:34	unexplained missing telemetry
142	529	1994-10-20T07:34	1994-10-20T08:24	unexplained missing telemetry
142	530	1994-10-20T08:24	1994-10-20T09:14	unexplained missing telemetry
142	531	1994-10-20T09:14	1994-10-20T10:04	unexplained missing telemetry
142	565	1994-10-21T13:40	1994-10-21T14:30	unexplained missing telemetry
142	591	1994-10-22T11:24	1994-10-22T12:15	unexplained missing telemetry
142	597	1994-10-22T16:25	1994-10-22T17:16	unexplained missing telemetry
142	598	1994-10-22T17:16	1994-10-22T18:06	unexplained missing telemetry
142	599	1994-10-22T18:06	1994-10-22T18:56	unexplained missing telemetry
142	606	1994-10-22T23:57	1994-10-23T00:47	unexplained missing telemetry
142	780	1994-10-29T01:27	1994-10-29T02:17	unexplained missing telemetry
142	984	1994-11-05T04:01	1994-11-05T04:51	unexplained missing telemetry
142	1244	1994-11-14T05:25	1994-11-14T06:16	unexplained missing telemetry
142	1245	1994-11-14T06:16	1994-11-14T07:06	IDHT Emergency Switchdown
142	1246	1994-11-14T07:06	1994-11-14T07:56	IDHT Emergency Switchdown
142	1247	1994-11-14T07:56	1994-11-14T08:46	IDHT Emergency Switchdown
142	1248	1994-11-14T08:46	1994-11-14T09:36	IDHT Emergency Switchdown
142	1249	1994-11-14T09:36	1994-11-14T10:26	IDHT Emergency Switchdown
142	1250	1994-11-14T10:26	1994-11-14T11:17	IDHT Emergency Switchdown
142	1251	1994-11-14T11:17	1994-11-14T12:07	IDHT Emergency Switchdown
142	1252	1994-11-14T12:07	1994-11-14T12:57	IDHT Emergency Switchdown
142	1253	1994-11-14T12:57	1994-11-14T13:47	IDHT Emergency Switchdown
142	1254	1994-11-14T13:47	1994-11-14T14:37	IDHT Emergency Switchdown
142	1255	1994-11-14T14:37	1994-11-14T15:27	IDHT Emergency Switchdown
142	1256	1994-11-14T15:27	1994-11-14T16:18	IDHT Emergency Switchdown
142	1257	1994-11-14T16:18	1994-11-14T17:08	IDHT Emergency Switchdown
142	1274	1994-11-15T06:30	1994-11-15T07:21	unexplained missing telemetry
142	1275	1994-11-15T07:21	1994-11-15T08:11	unexplained missing telemetry
142	1331	1994-11-17T06:10	1994-11-17T07:00	unexplained missing telemetry
142	1341	1994-11-17T14:32	1994-11-17T15:22	unexplained missing telemetry
142	1342	1994-11-17T15:22	1994-11-17T16:12	unexplained missing telemetry
142	1343	1994-11-17T16:12	1994-11-17T17:02	unexplained missing telemetry
142	1487	1994-11-22T16:37	1994-11-22T17:27	unexplained missing telemetry
142	1519	1994-11-23T19:22	1994-11-23T20:12	unexplained missing telemetry
142	1524	1994-11-23T23:33	1994-11-24T00:23	unexplained missing telemetry
142	1586	1994-11-26T03:24	1994-11-26T04:14	unexplained missing telemetry
142	1587	1994-11-26T04:14	1994-11-26T05:04	unexplained missing telemetry
142	1588	1994-11-26T05:04	1994-11-26T05:54	unexplained missing telemetry
142	1589	1994-11-26T05:54	1994-11-26T06:44	unexplained missing telemetry

142	1590	1994-11-26T06:44	1994-11-26T07:34	unexplained missing telemetry
142	1591	1994-11-26T07:34	1994-11-26T08:25	unexplained missing telemetry
142	1592	1994-11-26T08:25	1994-11-26T09:15	unexplained missing telemetry
142	1593	1994-11-26T09:15	1994-11-26T10:05	unexplained missing telemetry
142	1913	1994-12-07T12:49	1994-12-07T13:39	unexplained missing telemetry
142	1967	1994-12-09T09:58	1994-12-09T10:48	unexplained missing telemetry
142	1968	1994-12-09T10:48	1994-12-09T11:39	unexplained missing telemetry
142	1969	1994-12-09T11:39	1994-12-09T12:29	unexplained missing telemetry
142	1970	1994-12-09T12:29	1994-12-09T13:19	unexplained missing telemetry
142	1971	1994-12-09T13:19	1994-12-09T14:09	unexplained missing telemetry
142	1972	1994-12-09T14:09	1994-12-09T14:59	unexplained missing telemetry
142	1973	1994-12-09T14:59	1994-12-09T15:49	unexplained missing telemetry
142	1986	1994-12-10T01:52	1994-12-10T02:42	unexplained missing telemetry
142	2157	1994-12-16T00:51	1994-12-16T01:41	Autonomous shutdown due to DEU anomaly
142	2158	1994-12-16T01:41	1994-12-16T02:31	Autonomous shutdown due to DEU anomaly
142	2159	1994-12-16T02:31	1994-12-16T03:21	Autonomous shutdown due to DEU anomaly
142	2160	1994-12-16T03:21	1994-12-16T04:11	Autonomous shutdown due to DEU anomaly
142	2161	1994-12-16T04:11	1994-12-16T05:01	Autonomous shutdown due to DEU anomaly
142	2162	1994-12-16T05:01	1994-12-16T05:52	Autonomous shutdown due to DEU anomaly
142	2163	1994-12-16T05:52	1994-12-16T06:42	Autonomous shutdown due to DEU anomaly
142	2164	1994-12-16T06:42	1994-12-16T07:32	Autonomous shutdown due to DEU anomaly
142	2165	1994-12-16T07:32	1994-12-16T08:22	Autonomous shutdown due to DEU anomaly
142	2166	1994-12-16T08:22	1994-12-16T09:12	Autonomous shutdown due to DEU anomaly
142	2167	1994-12-16T09:12	1994-12-16T10:02	Autonomous shutdown due to DEU anomaly
142	2168	1994-12-16T10:02	1994-12-16T10:53	Autonomous shutdown due to DEU anomaly
142	2169	1994-12-16T10:53	1994-12-16T11:43	Autonomous shutdown due to DEU anomaly
142	2573	1994-12-30T12:41	1994-12-30T13:32	unexplained missing telemetry
142	2574	1994-12-30T13:32	1994-12-30T14:22	unexplained missing telemetry
142	2575	1994-12-30T14:22	1994-12-30T15:12	unexplained missing telemetry
142	2581	1994-12-30T19:23	1994-12-30T20:13	unexplained missing telemetry
142	2667	1995-01-02T19:17	1995-01-02T20:08	unexplained missing telemetry
142	2678	1995-01-03T04:29	1995-01-03T05:19	unexplained missing telemetry
142	2679	1995-01-03T05:19	1995-01-03T06:10	unexplained missing telemetry
142	2680	1995-01-03T06:10	1995-01-03T07:00	unexplained missing telemetry
142	2681	1995-01-03T07:00	1995-01-03T07:50	unexplained missing telemetry
142	2693	1995-01-03T17:02	1995-01-03T17:52	unexplained missing telemetry
142	2694	1995-01-03T17:52	1995-01-03T18:42	unexplained missing telemetry
142	2695	1995-01-03T18:42	1995-01-03T19:32	unexplained missing telemetry
142	2696	1995-01-03T19:32	1995-01-03T20:22	unexplained missing telemetry
142	2697	1995-01-03T20:22	1995-01-03T21:13	unexplained missing telemetry
142	2715	1995-01-04T11:26	1995-01-04T12:16	unexplained missing telemetry
142	2945	1995-01-12T11:45	1995-01-12T12:35	unexplained missing telemetry
142	2946	1995-01-12T12:35	1995-01-12T13:25	unexplained missing telemetry
142	2947	1995-01-12T13:25	1995-01-12T14:15	unexplained missing telemetry
142	2948	1995-01-12T14:15	1995-01-12T15:05	unexplained missing telemetry
142	2949	1995-01-12T15:05	1995-01-12T15:55	unexplained missing telemetry
142	2958	1995-01-12T22:37	1995-01-12T23:27	unexplained missing telemetry
142	2959	1995-01-12T23:27	1995-01-13T00:17	unexplained missing telemetry

142	2960	1995-01-13T00:17	1995-01-13T01:07	unexplained missing telemetry
142	2964	1995-01-13T03:38	1995-01-13T04:28	unexplained missing telemetry
142	3016	1995-01-14T23:07	1995-01-14T23:57	unexplained missing telemetry
142	3078	1995-01-17T02:57	1995-01-17T03:47	unexplained missing telemetry
142	3164	1995-01-20T02:52	1995-01-20T03:42	unexplained missing telemetry
142	3291	1995-01-24T13:03	1995-01-24T13:54	IDHT Emergency Switchdown
142	3292	1995-01-24T13:54	1995-01-24T14:44	IDHT Emergency Switchdown
142	3293	1995-01-24T14:44	1995-01-24T15:34	IDHT Emergency Switchdown
142	3302	1995-01-24T22:15	1995-01-24T23:05	unexplained missing telemetry
142	3303	1995-01-24T23:05	1995-01-24T23:56	unexplained missing telemetry
142	3304	1995-01-24T23:56	1995-01-25T00:46	unexplained missing telemetry
142	3315	1995-01-25T09:08	1995-01-25T09:58	unexplained missing telemetry
142	3316	1995-01-25T09:58	1995-01-25T10:48	unexplained missing telemetry
142	3317	1995-01-25T10:48	1995-01-25T11:38	unexplained missing telemetry
142	3418	1995-01-28T23:15	1995-01-29T00:05	unexplained missing telemetry
142	3463	1995-01-30T12:53	1995-01-30T13:43	unexplained missing telemetry
142	3464	1995-01-30T13:43	1995-01-30T14:33	unexplained missing telemetry
142	3465	1995-01-30T14:33	1995-01-30T15:23	unexplained missing telemetry
142	3471	1995-01-30T19:34	1995-01-30T20:24	unexplained missing telemetry
142	3476	1995-01-30T23:45	1995-01-31T00:35	unexplained missing telemetry
142	3485	1995-01-31T07:16	1995-01-31T08:07	unexplained missing telemetry
142	3562	1995-02-02T23:40	1995-02-03T00:30	unexplained missing telemetry
142	3564	1995-02-03T01:20	1995-02-03T02:10	unexplained missing telemetry
142	3566	1995-02-03T03:00	1995-02-03T03:50	unexplained missing telemetry
142	3592	1995-02-04T00:45	1995-02-04T01:35	unexplained missing telemetry
142	3594	1995-02-04T02:25	1995-02-04T03:15	unexplained missing telemetry
142	3607	1995-02-04T13:17	1995-02-04T14:07	unexplained missing telemetry
142	3615	1995-02-04T19:59	1995-02-04T20:49	unexplained missing telemetry
142	3622	1995-02-05T01:50	1995-02-05T02:40	unexplained missing telemetry
142	3699	1995-02-07T18:13	1995-02-07T19:03	unexplained missing telemetry
142	3794	1995-02-11T01:39	1995-02-11T02:29	unexplained missing telemetry
142	3861	1995-02-13T09:40	1995-02-13T10:31	unexplained missing telemetry
142	3873	1995-02-13T19:42	1995-02-13T20:33	unexplained missing telemetry
142	4112	1995-02-22T03:33	1995-02-22T04:23	unexplained missing telemetry
142	4113	1995-02-22T04:23	1995-02-22T05:13	unexplained missing telemetry
142	4114	1995-02-22T05:13	1995-02-22T06:04	unexplained missing telemetry
142	4115	1995-02-22T06:04	1995-02-22T06:54	unexplained missing telemetry
142	4116	1995-02-22T06:54	1995-02-22T07:44	unexplained missing telemetry
142	4117	1995-02-22T07:44	1995-02-22T08:34	unexplained missing telemetry
142	4118	1995-02-22T08:34	1995-02-22T09:24	unexplained missing telemetry
142	4119	1995-02-22T09:24	1995-02-22T10:14	unexplained missing telemetry
142	4120	1995-02-22T10:14	1995-02-22T11:05	unexplained missing telemetry
142	4121	1995-02-22T11:05	1995-02-22T11:55	unexplained missing telemetry
142	4122	1995-02-22T11:55	1995-02-22T12:45	unexplained missing telemetry
142	4123	1995-02-22T12:45	1995-02-22T13:35	unexplained missing telemetry
142	4124	1995-02-22T13:35	1995-02-22T14:25	unexplained missing telemetry
142	4125	1995-02-22T14:25	1995-02-22T15:15	unexplained missing telemetry
142	4126	1995-02-22T15:15	1995-02-22T16:06	unexplained missing telemetry

142	4127	1995-02-22T16:06	1995-02-22T16:56	unexplained missing telemetry
142	4128	1995-02-22T16:56	1995-02-22T17:46	unexplained missing telemetry
142	4129	1995-02-22T17:46	1995-02-22T18:36	unexplained missing telemetry
142	4130	1995-02-22T18:36	1995-02-22T19:26	unexplained missing telemetry
142	4131	1995-02-22T19:26	1995-02-22T20:16	unexplained missing telemetry
142	4132	1995-02-22T20:16	1995-02-22T21:07	unexplained missing telemetry
142	4299	1995-02-28T15:55	1995-02-28T16:45	unexplained missing telemetry
142	4413	1995-03-04T15:14	1995-03-04T16:04	unexplained missing telemetry
142	4417	1995-03-04T18:35	1995-03-04T19:25	unexplained missing telemetry
142	4420	1995-03-04T21:05	1995-03-04T21:56	unexplained missing telemetry
142	4488	1995-03-07T05:57	1995-03-07T06:47	unexplained missing telemetry
142	4489	1995-03-07T06:47	1995-03-07T07:37	unexplained missing telemetry
142	4503	1995-03-07T18:30	1995-03-07T19:20	unexplained missing telemetry
142	4565	1995-03-09T22:20	1995-03-09T23:10	unexplained missing telemetry
142	4566	1995-03-09T23:10	1995-03-10T00:00	unexplained missing telemetry
142	4746	1995-03-16T05:41	1995-03-16T06:31	unexplained missing telemetry
142	4747	1995-03-16T06:31	1995-03-16T07:21	unexplained missing telemetry
143	10	1995-03-19T05:35	1995-03-19T06:26	unexplained missing telemetry
143	11	1995-03-19T06:26	1995-03-19T07:16	unexplained missing telemetry
144	445	1995-03-21T10:17	1995-03-21T11:07	unexplained missing telemetry
144	446	1995-03-21T11:07	1995-03-21T11:57	unexplained missing telemetry
144	447	1995-03-21T11:57	1995-03-21T12:48	unexplained missing telemetry
144	448	1995-03-21T12:48	1995-03-21T13:38	unexplained missing telemetry
144	449	1995-03-21T13:38	1995-03-21T14:28	unexplained missing telemetry
144	450	1995-03-21T14:28	1995-03-21T15:18	unexplained missing telemetry
144	451	1995-03-21T15:18	1995-03-21T16:09	unexplained missing telemetry
144	452	1995-03-21T16:09	1995-03-21T16:59	unexplained missing telemetry
144	453	1995-03-21T16:59	1995-03-21T17:49	unexplained missing telemetry
144	454	1995-03-21T17:49	1995-03-21T18:40	unexplained missing telemetry
144	455	1995-03-21T18:40	1995-03-21T19:30	unexplained missing telemetry
144	456	1995-03-21T19:30	1995-03-21T20:20	unexplained missing telemetry
144	457	1995-03-21T20:20	1995-03-21T21:10	unexplained missing telemetry
144	511	1995-03-23T17:36	1995-03-23T18:27	unexplained missing telemetry
145	105	1995-04-13T13:15	1995-04-13T14:05	unexplained missing telemetry
145	232	1995-04-17T23:43	1995-04-18T00:33	unexplained missing telemetry
145	236	1995-04-18T03:04	1995-04-18T03:55	unexplained missing telemetry
145	247	1995-04-18T12:18	1995-04-18T13:08	unexplained missing telemetry
145	296	1995-04-20T05:22	1995-04-20T06:13	unexplained missing telemetry
145	297	1995-04-20T06:13	1995-04-20T07:03	unexplained missing telemetry
145	298	1995-04-20T07:03	1995-04-20T07:53	unexplained missing telemetry
145	299	1995-04-20T07:53	1995-04-20T08:43	unexplained missing telemetry
145	300	1995-04-20T08:43	1995-04-20T09:34	unexplained missing telemetry
145	301	1995-04-20T09:34	1995-04-20T10:24	unexplained missing telemetry
145	302	1995-04-20T10:24	1995-04-20T11:14	unexplained missing telemetry
145	303	1995-04-20T11:14	1995-04-20T12:05	unexplained missing telemetry
145	346	1995-04-21T23:17	1995-04-22T00:07	unexplained missing telemetry
145	347	1995-04-22T00:07	1995-04-22T00:58	unexplained missing telemetry
145	348	1995-04-22T00:58	1995-04-22T01:48	unexplained missing telemetry

145	349	1995-04-22T01:48	1995-04-22T02:38	unexplained missing telemetry
145	350	1995-04-22T02:38	1995-04-22T03:29	unexplained missing telemetry
145	351	1995-04-22T03:29	1995-04-22T04:19	unexplained missing telemetry
145	352	1995-04-22T04:19	1995-04-22T05:09	unexplained missing telemetry
145	353	1995-04-22T05:09	1995-04-22T06:00	unexplained missing telemetry
145	354	1995-04-22T06:00	1995-04-22T06:50	unexplained missing telemetry
145	355	1995-04-22T06:50	1995-04-22T07:40	unexplained missing telemetry
145	356	1995-04-22T07:40	1995-04-22T08:30	unexplained missing telemetry
145	357	1995-04-22T08:30	1995-04-22T09:21	unexplained missing telemetry
145	358	1995-04-22T09:21	1995-04-22T10:11	unexplained missing telemetry
145	359	1995-04-22T10:11	1995-04-22T11:01	unexplained missing telemetry
145	360	1995-04-22T11:01	1995-04-22T11:52	unexplained missing telemetry
145	361	1995-04-22T11:52	1995-04-22T12:42	unexplained missing telemetry
145	362	1995-04-22T12:42	1995-04-22T13:32	unexplained missing telemetry
145	363	1995-04-22T13:32	1995-04-22T14:23	unexplained missing telemetry
145	364	1995-04-22T14:23	1995-04-22T15:13	unexplained missing telemetry
145	365	1995-04-22T15:13	1995-04-22T16:03	unexplained missing telemetry
145	366	1995-04-22T16:03	1995-04-22T16:53	unexplained missing telemetry
145	367	1995-04-22T16:53	1995-04-22T17:44	unexplained missing telemetry
145	368	1995-04-22T17:44	1995-04-22T18:34	unexplained missing telemetry
145	369	1995-04-22T18:34	1995-04-22T19:24	unexplained missing telemetry
145	370	1995-04-22T19:24	1995-04-22T20:15	unexplained missing telemetry
145	371	1995-04-22T20:15	1995-04-22T21:05	unexplained missing telemetry
145	372	1995-04-22T21:05	1995-04-22T21:55	unexplained missing telemetry
145	373	1995-04-22T21:55	1995-04-22T22:46	unexplained missing telemetry
145	374	1995-04-22T22:46	1995-04-22T23:36	unexplained missing telemetry
145	375	1995-04-22T23:36	1995-04-23T00:26	unexplained missing telemetry
145	376	1995-04-23T00:26	1995-04-23T01:16	unexplained missing telemetry
145	377	1995-04-23T01:16	1995-04-23T02:07	unexplained missing telemetry
145	378	1995-04-23T02:07	1995-04-23T02:57	unexplained missing telemetry
145	379	1995-04-23T02:57	1995-04-23T03:47	unexplained missing telemetry
145	380	1995-04-23T03:47	1995-04-23T04:38	unexplained missing telemetry
145	381	1995-04-23T04:38	1995-04-23T05:28	unexplained missing telemetry
145	382	1995-04-23T05:28	1995-04-23T06:18	unexplained missing telemetry
145	383	1995-04-23T06:18	1995-04-23T07:09	unexplained missing telemetry
145	384	1995-04-23T07:09	1995-04-23T07:59	unexplained missing telemetry
145	385	1995-04-23T07:59	1995-04-23T08:49	unexplained missing telemetry
145	386	1995-04-23T08:49	1995-04-23T09:39	unexplained missing telemetry
145	387	1995-04-23T09:39	1995-04-23T10:30	unexplained missing telemetry
145	388	1995-04-23T10:30	1995-04-23T11:20	unexplained missing telemetry
145	389	1995-04-23T11:20	1995-04-23T12:10	unexplained missing telemetry
145	390	1995-04-23T12:10	1995-04-23T13:01	unexplained missing telemetry
145	391	1995-04-23T13:01	1995-04-23T13:51	unexplained missing telemetry
145	392	1995-04-23T13:51	1995-04-23T14:41	unexplained missing telemetry
145	393	1995-04-23T14:41	1995-04-23T15:32	unexplained missing telemetry
145	394	1995-04-23T15:32	1995-04-23T16:22	unexplained missing telemetry
145	395	1995-04-23T16:22	1995-04-23T17:12	unexplained missing telemetry
145	396	1995-04-23T17:12	1995-04-23T18:02	unexplained missing telemetry

145	397	1995-04-23T18:02	1995-04-23T18:53	unexplained missing telemetry
145	398	1995-04-23T18:53	1995-04-23T19:43	unexplained missing telemetry
145	399	1995-04-23T19:43	1995-04-23T20:33	unexplained missing telemetry
145	400	1995-04-23T20:33	1995-04-23T21:24	unexplained missing telemetry
145	401	1995-04-23T21:24	1995-04-23T22:14	unexplained missing telemetry
145	402	1995-04-23T22:14	1995-04-23T23:04	unexplained missing telemetry
145	410	1995-04-24T04:56	1995-04-24T05:47	unexplained missing telemetry
145	432	1995-04-24T23:23	1995-04-25T00:13	unexplained missing telemetry
145	433	1995-04-25T00:13	1995-04-25T01:04	unexplained missing telemetry
145	434	1995-04-25T01:04	1995-04-25T01:54	unexplained missing telemetry
145	435	1995-04-25T01:54	1995-04-25T02:44	unexplained missing telemetry
145	436	1995-04-25T02:44	1995-04-25T03:34	unexplained missing telemetry
145	437	1995-04-25T03:34	1995-04-25T04:25	unexplained missing telemetry
145	438	1995-04-25T04:25	1995-04-25T05:15	unexplained missing telemetry
145	439	1995-04-25T05:15	1995-04-25T06:05	unexplained missing telemetry
145	440	1995-04-25T06:05	1995-04-25T06:56	unexplained missing telemetry
145	441	1995-04-25T06:56	1995-04-25T07:46	unexplained missing telemetry
145	442	1995-04-25T07:46	1995-04-25T08:36	unexplained missing telemetry
145	443	1995-04-25T08:36	1995-04-25T09:27	unexplained missing telemetry
145	444	1995-04-25T09:27	1995-04-25T10:17	unexplained missing telemetry
145	445	1995-04-25T10:17	1995-04-25T11:07	unexplained missing telemetry
145	446	1995-04-25T11:07	1995-04-25T11:57	unexplained missing telemetry
145	447	1995-04-25T11:57	1995-04-25T12:48	unexplained missing telemetry
145	448	1995-04-25T12:48	1995-04-25T13:38	unexplained missing telemetry
145	449	1995-04-25T13:38	1995-04-25T14:28	unexplained missing telemetry
145	450	1995-04-25T14:28	1995-04-25T15:19	unexplained missing telemetry
145	451	1995-04-25T15:19	1995-04-25T16:09	unexplained missing telemetry
145	452	1995-04-25T16:09	1995-04-25T16:59	unexplained missing telemetry
145	453	1995-04-25T16:59	1995-04-25T17:50	unexplained missing telemetry
145	454	1995-04-25T17:50	1995-04-25T18:40	unexplained missing telemetry
145	455	1995-04-25T18:40	1995-04-25T19:30	unexplained missing telemetry
145	456	1995-04-25T19:30	1995-04-25T20:20	unexplained missing telemetry
145	457	1995-04-25T20:20	1995-04-25T21:11	unexplained missing telemetry
145	458	1995-04-25T21:11	1995-04-25T22:01	unexplained missing telemetry
145	459	1995-04-25T22:01	1995-04-25T22:51	unexplained missing telemetry
145	460	1995-04-25T22:51	1995-04-25T23:42	unexplained missing telemetry
145	461	1995-04-25T23:42	1995-04-26T00:32	unexplained missing telemetry
145	462	1995-04-26T00:32	1995-04-26T01:22	unexplained missing telemetry
145	463	1995-04-26T01:22	1995-04-26T02:13	unexplained missing telemetry
145	464	1995-04-26T02:13	1995-04-26T03:03	unexplained missing telemetry
145	465	1995-04-26T03:03	1995-04-26T03:53	unexplained missing telemetry
145	466	1995-04-26T03:53	1995-04-26T04:43	unexplained missing telemetry
145	467	1995-04-26T04:43	1995-04-26T05:34	unexplained missing telemetry
145	468	1995-04-26T05:34	1995-04-26T06:24	unexplained missing telemetry
145	469	1995-04-26T06:24	1995-04-26T07:14	unexplained missing telemetry
145	470	1995-04-26T07:14	1995-04-26T08:05	unexplained missing telemetry
145	471	1995-04-26T08:05	1995-04-26T08:55	unexplained missing telemetry
145	472	1995-04-26T08:55	1995-04-26T09:45	unexplained missing telemetry

145	473	1995-04-26T09:45	1995-04-26T10:36	unexplained missing telemetry
145	474	1995-04-26T10:36	1995-04-26T11:26	unexplained missing telemetry
145	475	1995-04-26T11:26	1995-04-26T12:16	unexplained missing telemetry
145	476	1995-04-26T12:16	1995-04-26T13:06	unexplained missing telemetry
145	477	1995-04-26T13:06	1995-04-26T13:57	unexplained missing telemetry
145	478	1995-04-26T13:57	1995-04-26T14:47	unexplained missing telemetry
145	479	1995-04-26T14:47	1995-04-26T15:37	unexplained missing telemetry
145	480	1995-04-26T15:37	1995-04-26T16:28	unexplained missing telemetry
145	481	1995-04-26T16:28	1995-04-26T17:18	unexplained missing telemetry
145	482	1995-04-26T17:18	1995-04-26T18:08	unexplained missing telemetry
145	483	1995-04-26T18:08	1995-04-26T18:58	unexplained missing telemetry
145	484	1995-04-26T18:58	1995-04-26T19:49	unexplained missing telemetry
145	485	1995-04-26T19:49	1995-04-26T20:39	unexplained missing telemetry
145	486	1995-04-26T20:39	1995-04-26T21:29	unexplained missing telemetry
145	487	1995-04-26T21:29	1995-04-26T22:20	unexplained missing telemetry
145	488	1995-04-26T22:20	1995-04-26T23:10	unexplained missing telemetry
145	517	1995-04-27T22:38	1995-04-27T23:29	unexplained missing telemetry
145	518	1995-04-27T23:29	1995-04-28T00:19	unexplained missing telemetry
145	519	1995-04-28T00:19	1995-04-28T01:09	unexplained missing telemetry
145	520	1995-04-28T01:09	1995-04-28T02:00	unexplained missing telemetry
145	521	1995-04-28T02:00	1995-04-28T02:50	unexplained missing telemetry
145	522	1995-04-28T02:50	1995-04-28T03:40	unexplained missing telemetry
145	523	1995-04-28T03:40	1995-04-28T04:30	unexplained missing telemetry
145	524	1995-04-28T04:30	1995-04-28T05:21	unexplained missing telemetry
145	525	1995-04-28T05:21	1995-04-28T06:11	unexplained missing telemetry
145	526	1995-04-28T06:11	1995-04-28T07:01	unexplained missing telemetry
145	527	1995-04-28T07:01	1995-04-28T07:52	unexplained missing telemetry
145	528	1995-04-28T07:52	1995-04-28T08:42	unexplained missing telemetry
145	529	1995-04-28T08:42	1995-04-28T09:32	unexplained missing telemetry
145	530	1995-04-28T09:32	1995-04-28T10:23	unexplained missing telemetry
145	531	1995-04-28T10:23	1995-04-28T11:13	unexplained missing telemetry
145	532	1995-04-28T11:13	1995-04-28T12:03	unexplained missing telemetry
145	533	1995-04-28T12:03	1995-04-28T12:53	unexplained missing telemetry
145	534	1995-04-28T12:53	1995-04-28T13:44	unexplained missing telemetry
145	535	1995-04-28T13:44	1995-04-28T14:34	unexplained missing telemetry
145	536	1995-04-28T14:34	1995-04-28T15:24	unexplained missing telemetry
145	537	1995-04-28T15:24	1995-04-28T16:15	unexplained missing telemetry
145	538	1995-04-28T16:15	1995-04-28T17:05	unexplained missing telemetry
145	539	1995-04-28T17:05	1995-04-28T17:55	unexplained missing telemetry
145	540	1995-04-28T17:55	1995-04-28T18:46	unexplained missing telemetry
145	541	1995-04-28T18:46	1995-04-28T19:36	unexplained missing telemetry
145	542	1995-04-28T19:36	1995-04-28T20:26	unexplained missing telemetry
145	543	1995-04-28T20:26	1995-04-28T21:16	unexplained missing telemetry
145	544	1995-04-28T21:16	1995-04-28T22:07	unexplained missing telemetry
145	545	1995-04-28T22:07	1995-04-28T22:57	unexplained missing telemetry
145	546	1995-04-28T22:57	1995-04-28T23:47	unexplained missing telemetry
145	547	1995-04-28T23:47	1995-04-29T00:38	unexplained missing telemetry
145	548	1995-04-29T00:38	1995-04-29T01:28	unexplained missing telemetry

145	549	1995-04-29T01:28	1995-04-29T02:18	unexplained missing telemetry
145	550	1995-04-29T02:18	1995-04-29T03:09	unexplained missing telemetry
145	551	1995-04-29T03:09	1995-04-29T03:59	unexplained missing telemetry
145	552	1995-04-29T03:59	1995-04-29T04:49	unexplained missing telemetry
145	553	1995-04-29T04:49	1995-04-29T05:39	unexplained missing telemetry
145	554	1995-04-29T05:39	1995-04-29T06:30	unexplained missing telemetry
145	555	1995-04-29T06:30	1995-04-29T07:20	unexplained missing telemetry
145	556	1995-04-29T07:20	1995-04-29T08:10	unexplained missing telemetry
145	557	1995-04-29T08:10	1995-04-29T09:01	unexplained missing telemetry
145	558	1995-04-29T09:01	1995-04-29T09:51	unexplained missing telemetry
145	559	1995-04-29T09:51	1995-04-29T10:41	unexplained missing telemetry
145	560	1995-04-29T10:41	1995-04-29T11:32	unexplained missing telemetry
145	561	1995-04-29T11:32	1995-04-29T12:22	unexplained missing telemetry
145	562	1995-04-29T12:22	1995-04-29T13:12	unexplained missing telemetry
145	563	1995-04-29T13:12	1995-04-29T14:02	unexplained missing telemetry
145	564	1995-04-29T14:02	1995-04-29T14:53	unexplained missing telemetry
145	565	1995-04-29T14:53	1995-04-29T15:43	unexplained missing telemetry
145	566	1995-04-29T15:43	1995-04-29T16:33	unexplained missing telemetry
145	567	1995-04-29T16:33	1995-04-29T17:24	unexplained missing telemetry
145	568	1995-04-29T17:24	1995-04-29T18:14	unexplained missing telemetry
145	569	1995-04-29T18:14	1995-04-29T19:04	unexplained missing telemetry
145	570	1995-04-29T19:04	1995-04-29T19:55	unexplained missing telemetry
145	571	1995-04-29T19:55	1995-04-29T20:45	unexplained missing telemetry
145	572	1995-04-29T20:45	1995-04-29T21:35	unexplained missing telemetry
145	573	1995-04-29T21:35	1995-04-29T22:25	unexplained missing telemetry
145	574	1995-04-29T22:25	1995-04-29T23:16	unexplained missing telemetry
145	857	1995-05-09T19:40	1995-05-09T20:30	unexplained missing telemetry
145	858	1995-05-09T20:30	1995-05-09T21:21	unexplained missing telemetry
145	995	1995-05-14T15:22	1995-05-14T16:12	unexplained missing telemetry
145	996	1995-05-14T16:12	1995-05-14T17:02	unexplained missing telemetry
145	997	1995-05-14T17:02	1995-05-14T17:52	unexplained missing telemetry
146	365	1995-05-27T15:13	1995-05-27T16:03	unexplained missing telemetry
146	371	1995-05-27T20:15	1995-05-27T21:05	unexplained missing telemetry
146	946	1995-06-16T22:17	1995-06-16T23:07	unexplained missing telemetry
146	947	1995-06-16T23:07	1995-06-16T23:58	unexplained missing telemetry
146	948	1995-06-16T23:58	1995-06-17T00:48	unexplained missing telemetry
146	949	1995-06-17T00:48	1995-06-17T01:38	unexplained missing telemetry
146	950	1995-06-17T01:38	1995-06-17T02:28	unexplained missing telemetry
146	951	1995-06-17T02:28	1995-06-17T03:19	unexplained missing telemetry
146	952	1995-06-17T03:19	1995-06-17T04:09	unexplained missing telemetry
146	953	1995-06-17T04:09	1995-06-17T04:59	unexplained missing telemetry
146	954	1995-06-17T04:59	1995-06-17T05:50	unexplained missing telemetry
146	955	1995-06-17T05:50	1995-06-17T06:40	unexplained missing telemetry
146	956	1995-06-17T06:40	1995-06-17T07:30	unexplained missing telemetry
146	957	1995-06-17T07:30	1995-06-17T08:20	unexplained missing telemetry
146	958	1995-06-17T08:20	1995-06-17T09:11	unexplained missing telemetry
146	959	1995-06-17T09:11	1995-06-17T10:01	unexplained missing telemetry
146	960	1995-06-17T10:01	1995-06-17T10:51	unexplained missing telemetry

146	961	1995-06-17T10:51	1995-06-17T11:42	unexplained missing telemetry
146	962	1995-06-17T11:42	1995-06-17T12:32	unexplained missing telemetry
146	963	1995-06-17T12:32	1995-06-17T13:22	unexplained missing telemetry
146	964	1995-06-17T13:22	1995-06-17T14:13	unexplained missing telemetry
146	965	1995-06-17T14:13	1995-06-17T15:03	unexplained missing telemetry
146	966	1995-06-17T15:03	1995-06-17T15:53	unexplained missing telemetry
146	967	1995-06-17T15:53	1995-06-17T16:43	unexplained missing telemetry
146	968	1995-06-17T16:43	1995-06-17T17:34	unexplained missing telemetry
146	969	1995-06-17T17:34	1995-06-17T18:24	unexplained missing telemetry
146	970	1995-06-17T18:24	1995-06-17T19:14	unexplained missing telemetry
146	971	1995-06-17T19:14	1995-06-17T20:05	unexplained missing telemetry
146	972	1995-06-17T20:05	1995-06-17T20:55	unexplained missing telemetry
146	973	1995-06-17T20:55	1995-06-17T21:45	unexplained missing telemetry
147	77	1995-06-21T13:47	1995-06-21T14:37	unexplained missing telemetry
147	78	1995-06-21T14:37	1995-06-21T15:27	unexplained missing telemetry
147	79	1995-06-21T15:27	1995-06-21T16:18	unexplained missing telemetry
147	80	1995-06-21T16:18	1995-06-21T17:08	unexplained missing telemetry
147	81	1995-06-21T17:08	1995-06-21T17:58	unexplained missing telemetry
147	82	1995-06-21T17:58	1995-06-21T18:49	unexplained missing telemetry
147	83	1995-06-21T18:49	1995-06-21T19:39	unexplained missing telemetry
147	84	1995-06-21T19:39	1995-06-21T20:29	unexplained missing telemetry
147	85	1995-06-21T20:29	1995-06-21T21:19	unexplained missing telemetry
147	326	1995-06-30T06:31	1995-06-30T07:22	unexplained missing telemetry
147	327	1995-06-30T07:22	1995-06-30T08:12	unexplained missing telemetry
147	546	1995-07-07T22:57	1995-07-07T23:47	unexplained missing telemetry
147	657	1995-07-11T20:00	1995-07-11T20:51	unexplained missing telemetry
147	746	1995-07-14T22:37	1995-07-14T23:27	unexplained missing telemetry
147	857	1995-07-18T19:40	1995-07-18T20:31	unexplained missing telemetry
147	952	1995-07-22T03:19	1995-07-22T04:09	unexplained missing telemetry
148	71	1995-07-26T08:45	1995-07-26T09:35	unexplained missing telemetry
148	150	1995-07-29T02:59	1995-07-29T03:49	unexplained missing telemetry
148	262	1995-08-02T00:52	1995-08-02T01:42	unexplained missing telemetry
148	263	1995-08-02T01:42	1995-08-02T02:33	unexplained missing telemetry
148	264	1995-08-02T02:33	1995-08-02T03:23	unexplained missing telemetry
148	265	1995-08-02T03:23	1995-08-02T04:13	unexplained missing telemetry
148	266	1995-08-02T04:13	1995-08-02T05:04	unexplained missing telemetry
148	439	1995-08-08T05:15	1995-08-08T06:05	unexplained missing telemetry
148	440	1995-08-08T06:05	1995-08-08T06:56	unexplained missing telemetry
148	441	1995-08-08T06:56	1995-08-08T07:46	unexplained missing telemetry
148	978	1995-08-27T01:06	1995-08-27T01:57	Due to an MPS error the IDHT LBR data was unavailable
148	979	1995-08-27T01:57	1995-08-27T02:47	Due to an MPS error the IDHT LBR data was unavailable
148	980	1995-08-27T02:47	1995-08-27T03:37	Due to an MPS error the IDHT LBR data was unavailable
148	981	1995-08-27T03:37	1995-08-27T04:28	Due to an MPS error the IDHT LBR data was unavailable
148	982	1995-08-27T04:28	1995-08-27T05:18	Due to an MPS error the IDHT LBR data was unavailable
148	983	1995-08-27T05:18	1995-08-27T06:08	Due to an MPS error the IDHT LBR data was unavailable
148	984	1995-08-27T06:08	1995-08-27T06:59	Due to an MPS error the IDHT LBR data was unavailable
148	985	1995-08-27T06:59	1995-08-27T07:49	Due to an MPS error the IDHT LBR data was unavailable
149	282	1995-09-06T17:38	1995-09-06T18:28	unexplained missing telemetry



149	283	1995-09-06T18:28	1995-09-06T19:19	unexplained missing telemetry
149	995	1995-10-01T15:22	1995-10-01T16:12	unexplained missing telemetry
150	548	1995-10-21T00:38	1995-10-21T01:28	unexplained missing telemetry
150	549	1995-10-21T01:28	1995-10-21T02:18	unexplained missing telemetry
150	550	1995-10-21T02:18	1995-10-21T03:09	unexplained missing telemetry
150	776	1995-10-28T23:46	1995-10-29T00:36	unexplained missing telemetry
151	146	1995-11-10T23:37	1995-11-11T00:28	unexplained missing telemetry
151	147	1995-11-11T00:28	1995-11-11T01:18	unexplained missing telemetry
151	148	1995-11-11T01:18	1995-11-11T02:08	unexplained missing telemetry
151	149	1995-11-11T02:08	1995-11-11T02:59	unexplained missing telemetry
151	150	1995-11-11T02:59	1995-11-11T03:49	unexplained missing telemetry
151	385	1995-11-19T07:59	1995-11-19T08:49	unexplained missing telemetry
151	415	1995-11-20T09:08	1995-11-20T09:58	unexplained missing telemetry
151	582	1995-11-26T05:08	1995-11-26T05:58	unexplained missing telemetry
151	583	1995-11-26T05:58	1995-11-26T06:48	unexplained missing telemetry
151	612	1995-11-27T06:17	1995-11-27T07:07	unexplained missing telemetry
151	613	1995-11-27T07:07	1995-11-27T07:57	unexplained missing telemetry
151	621	1995-11-27T13:50	1995-11-27T14:40	unexplained missing telemetry
151	705	1995-11-30T12:15	1995-11-30T13:05	unexplained missing telemetry
152	122	1995-12-15T03:30	1995-12-15T04:21	unexplained missing telemetry
152	165	1995-12-16T15:33	1995-12-16T16:23	unexplained missing telemetry
152	673	1996-01-03T09:25	1996-01-03T10:15	unexplained missing telemetry
152	769	1996-01-06T17:54	1996-01-06T18:44	unexplained missing telemetry
152	901	1996-01-11T08:33	1996-01-11T09:24	unexplained missing telemetry
152	980	1996-01-14T02:47	1996-01-14T03:37	unexplained missing telemetry
153	219	1996-01-22T12:49	1996-01-22T13:40	unexplained missing telemetry
153	425	1996-01-29T17:31	1996-01-29T18:21	unexplained missing telemetry
153	931	1996-02-16T09:42	1996-02-16T10:33	unexplained missing telemetry
154	38	1996-02-20T05:05	1996-02-20T05:55	unexplained missing telemetry
154	118	1996-02-23T00:09	1996-02-23T00:59	unexplained missing telemetry
154	694	1996-03-14T03:01	1996-03-14T03:52	unexplained missing telemetry
155	247	1996-04-02T12:18	1996-04-02T13:08	unexplained missing telemetry
156	152	1996-05-04T04:39	1996-05-04T05:30	unexplained missing telemetry
156	453	1996-05-14T16:59	1996-05-14T17:50	unexplained missing telemetry
156	821	1996-05-27T13:29	1996-05-27T14:20	unexplained missing telemetry
156	827	1996-05-27T18:31	1996-05-27T19:22	unexplained missing telemetry

2.2 ERS-2

For ERS-2, the main invalidity cause are the anomalous values of calibration parameters. A small part of the mission (0.01%) is flagged 'degraded' due to the lack of precise orbit files, but it only represents the first five days of the mission lifetime.

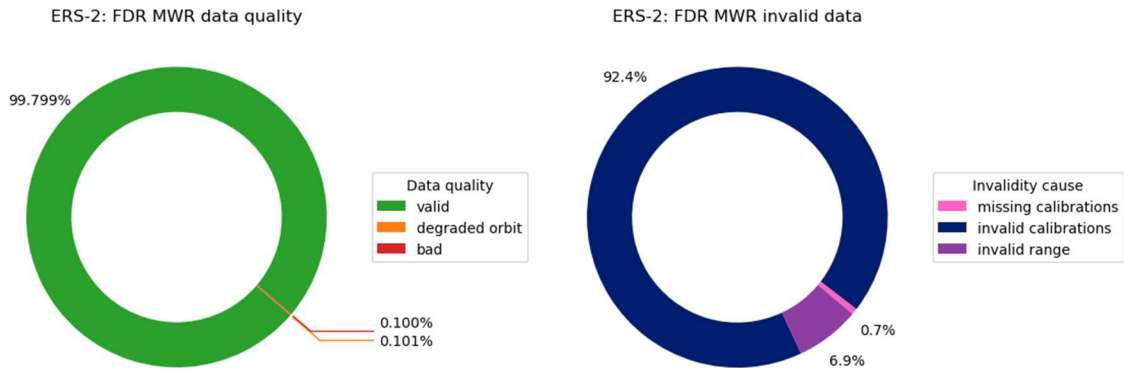
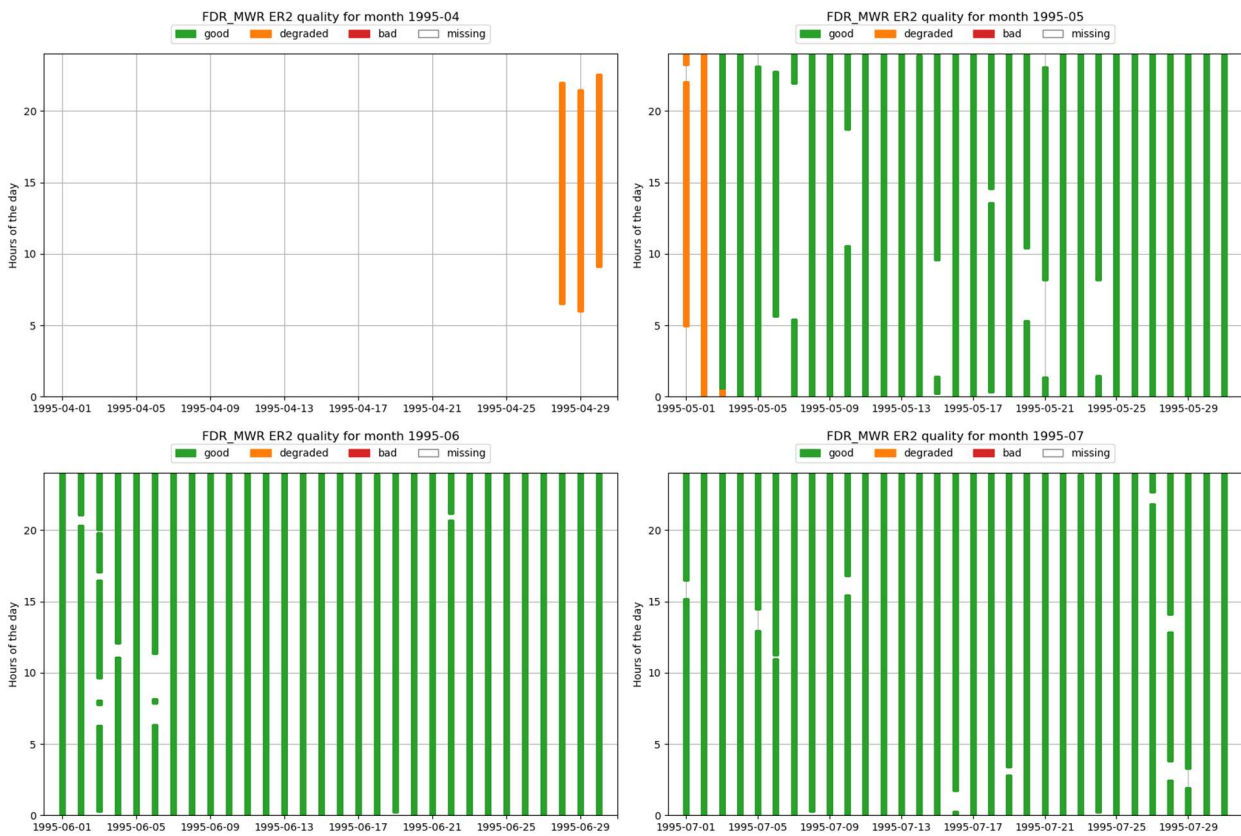
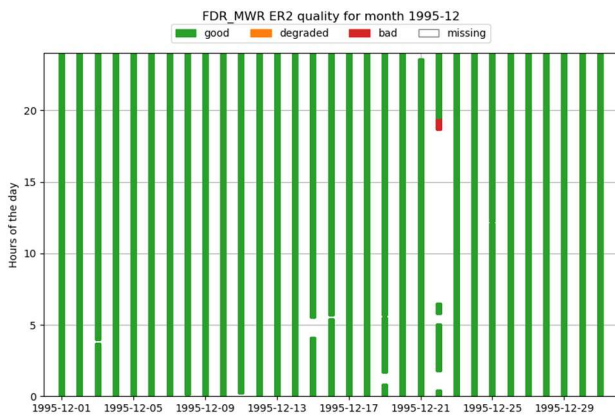
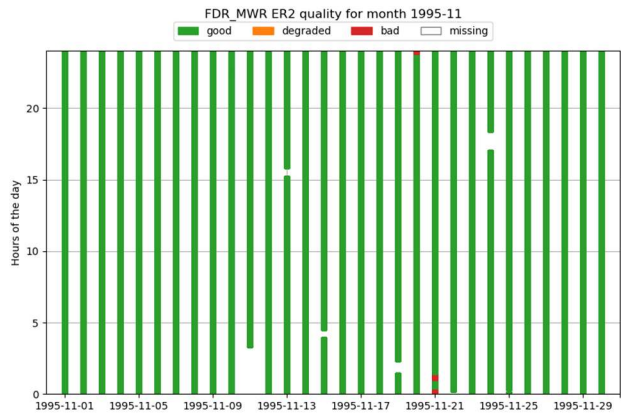
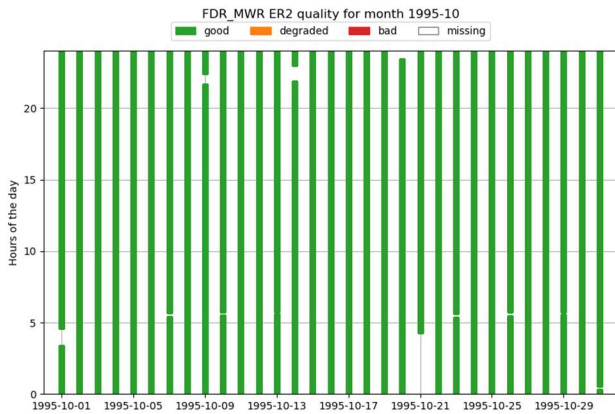
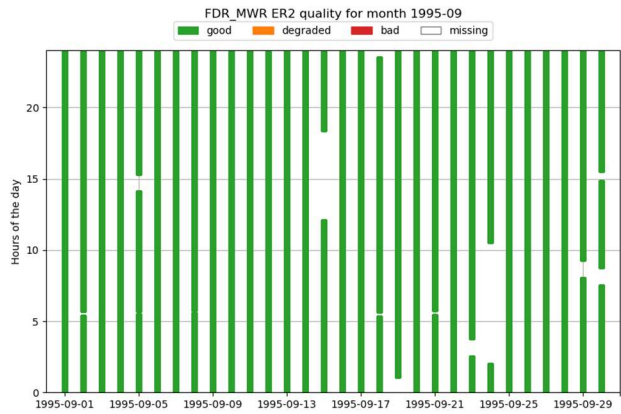
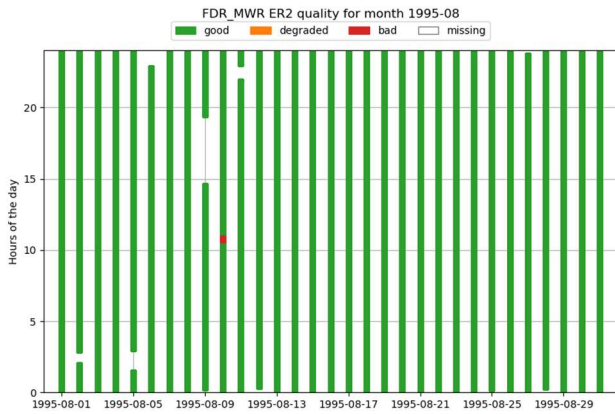


Figure 2 : Data quality and invalid data cause repartition for the full dataset of ERS-2 FDR MWR

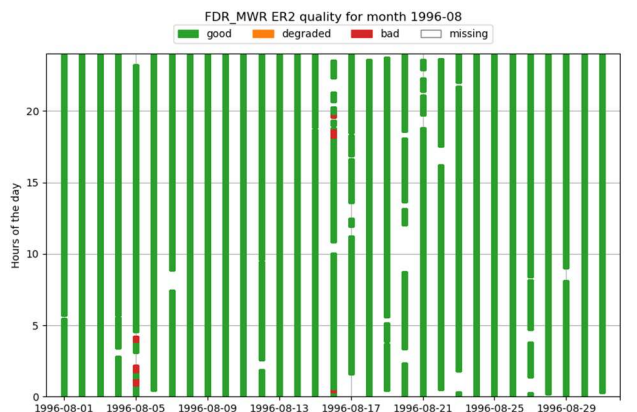
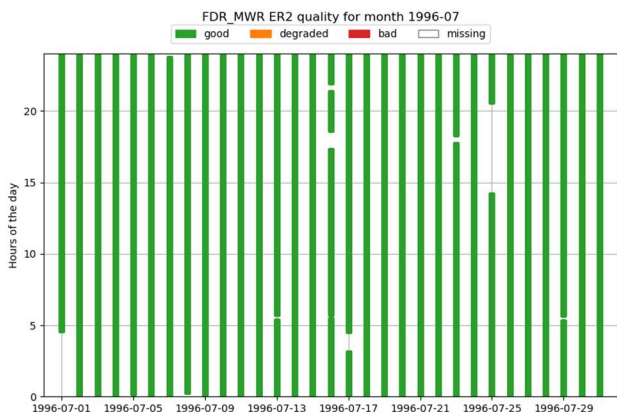
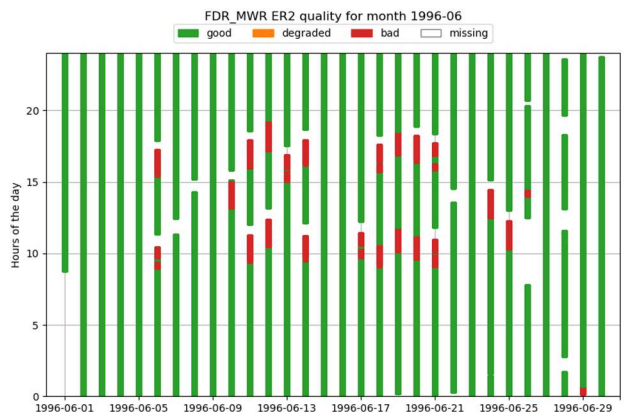
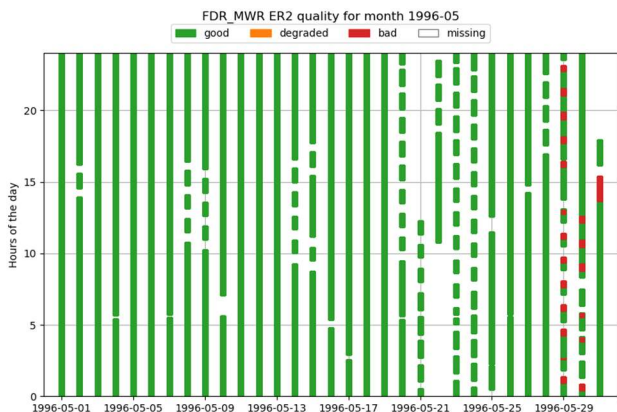
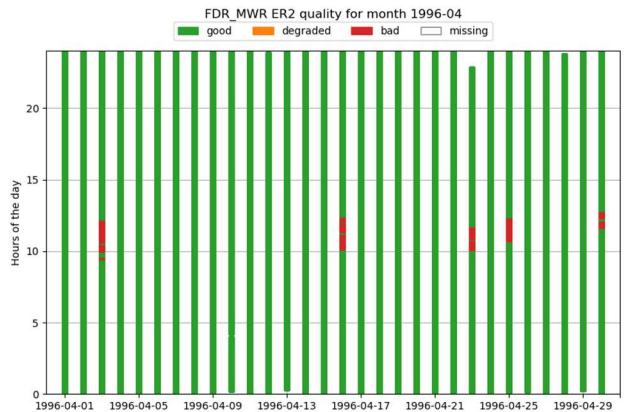
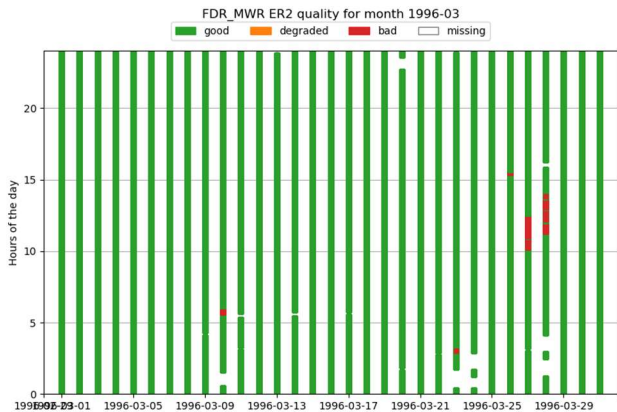
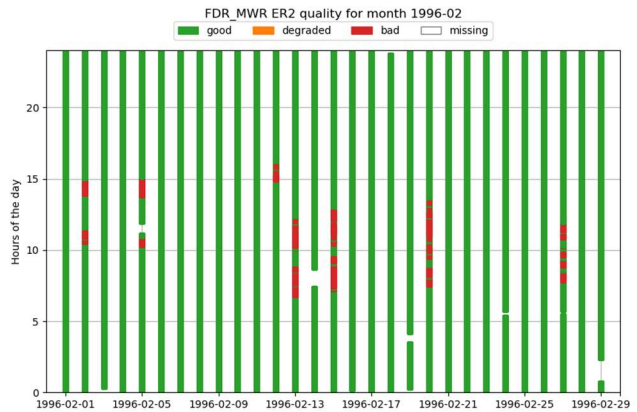
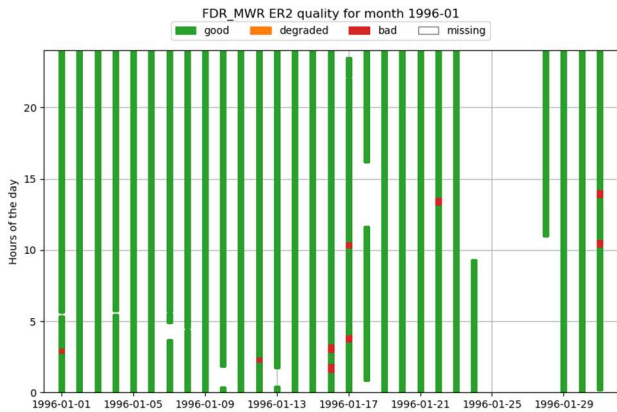
2.2.1 1995

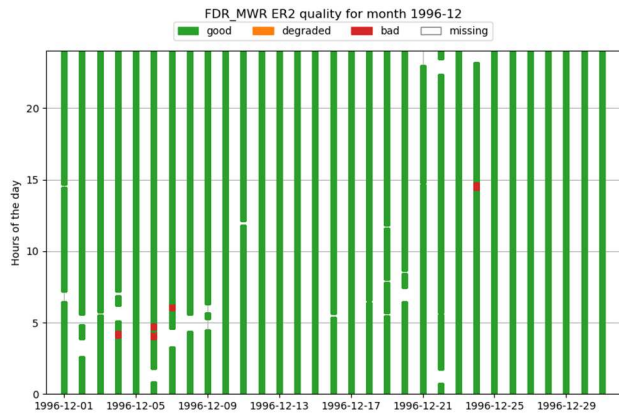
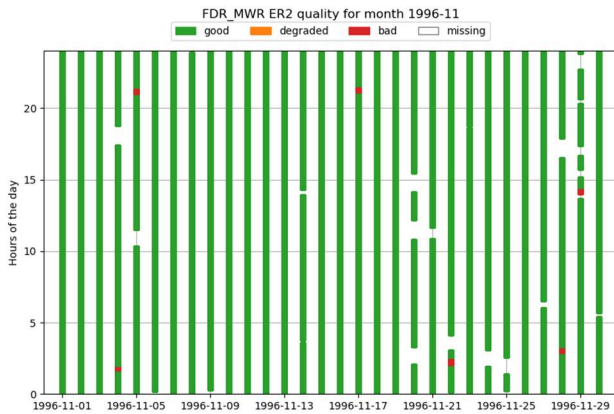
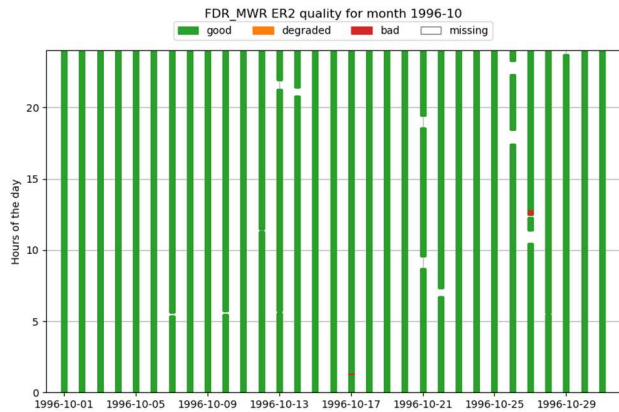
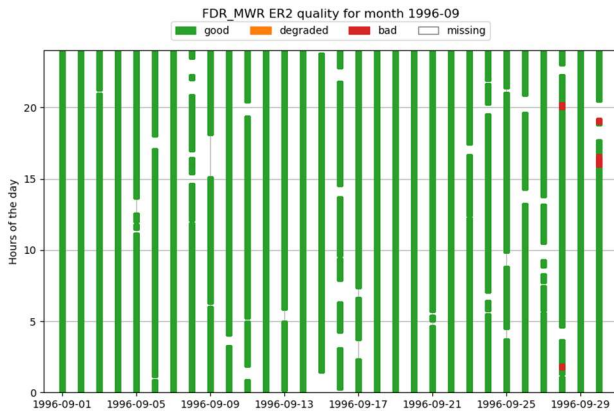




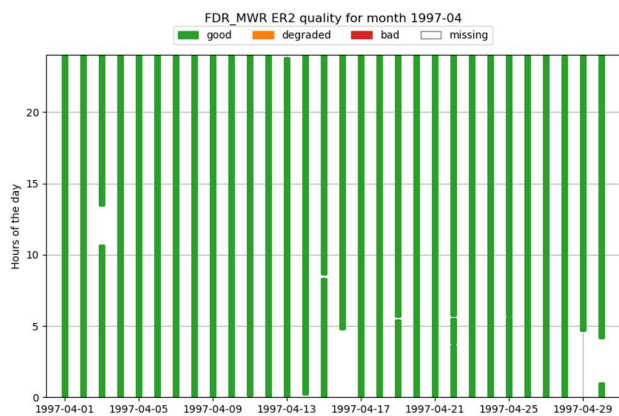
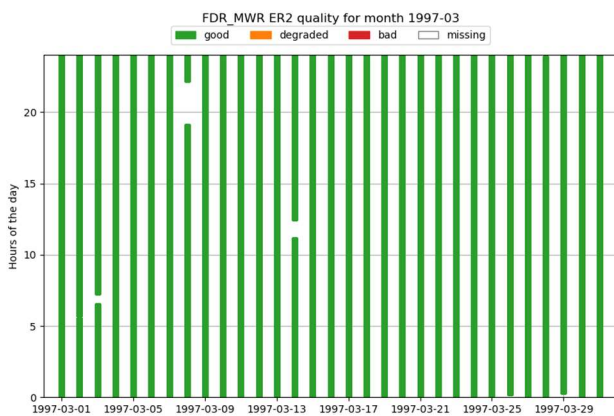
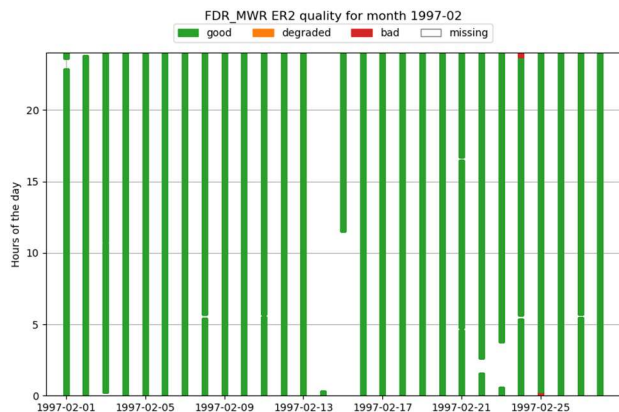
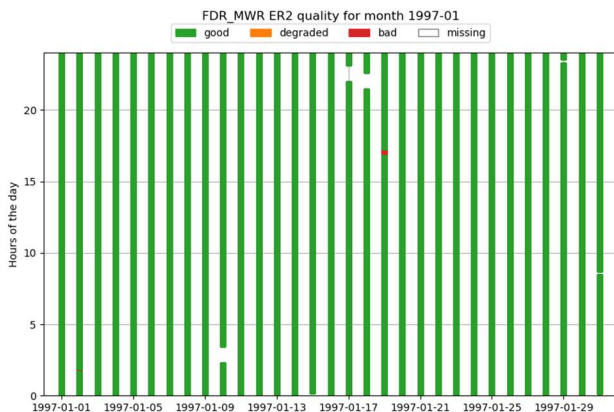
2.2.2 1996

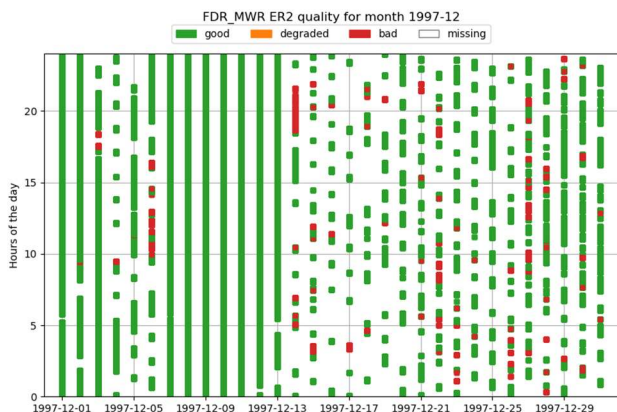
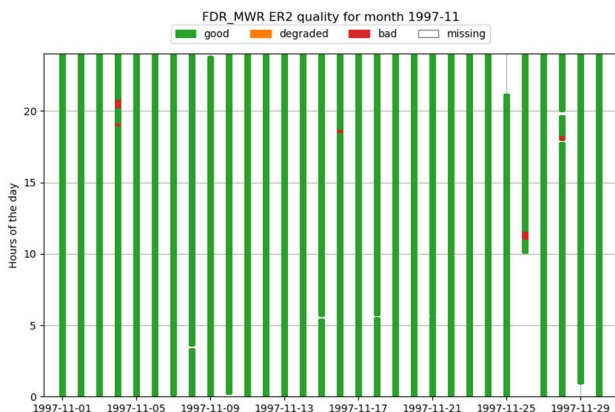
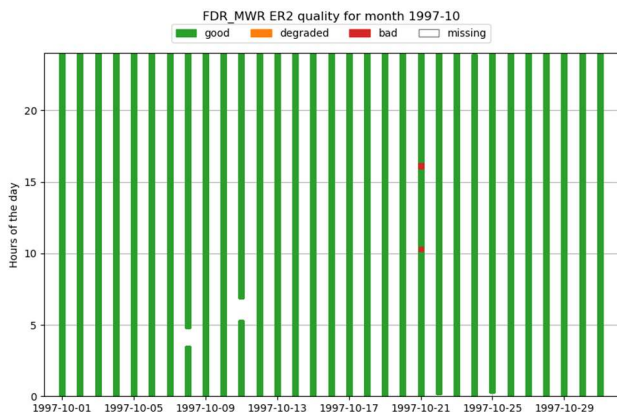
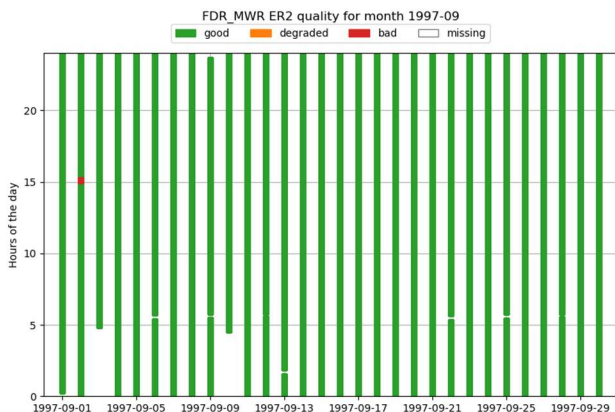
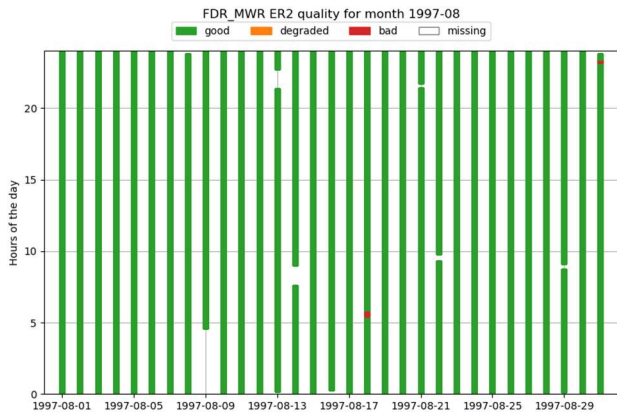
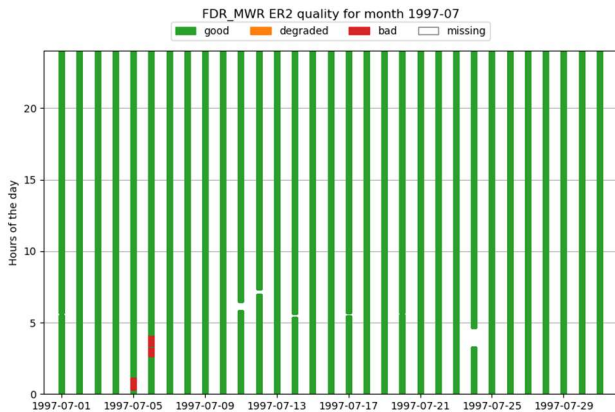
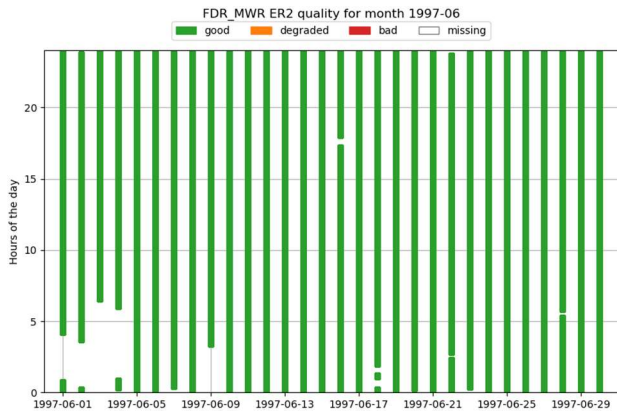
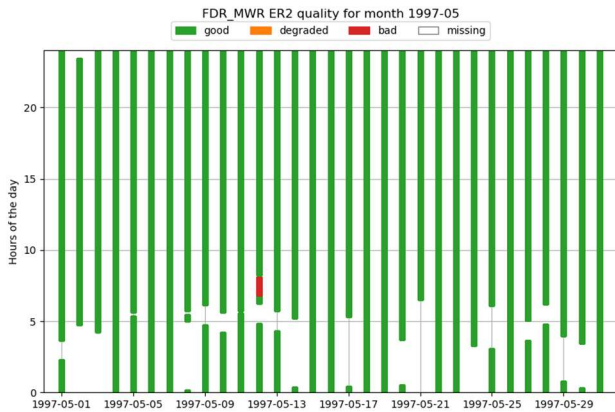






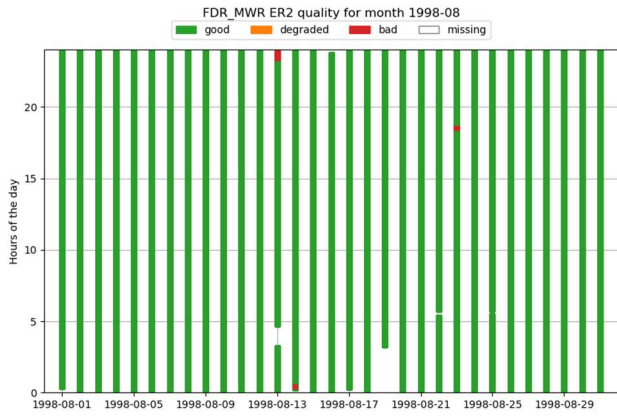
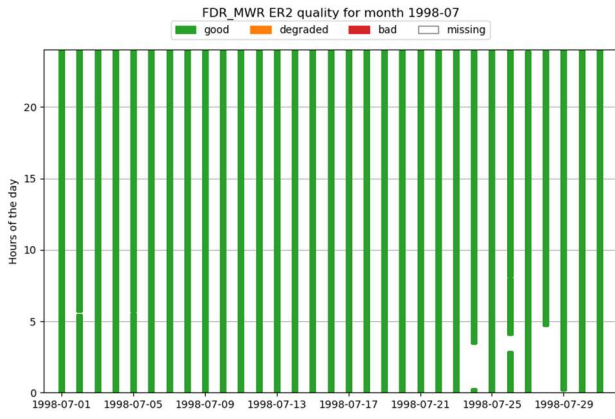
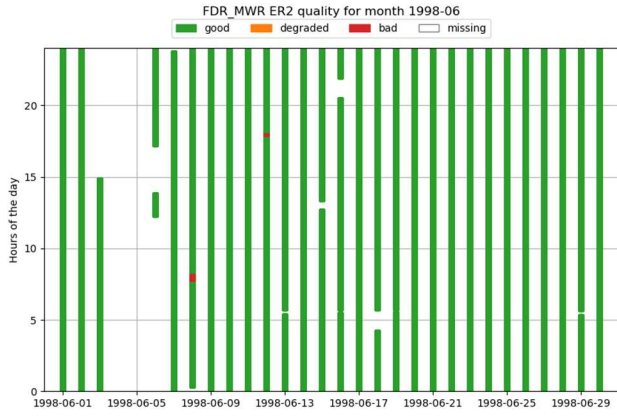
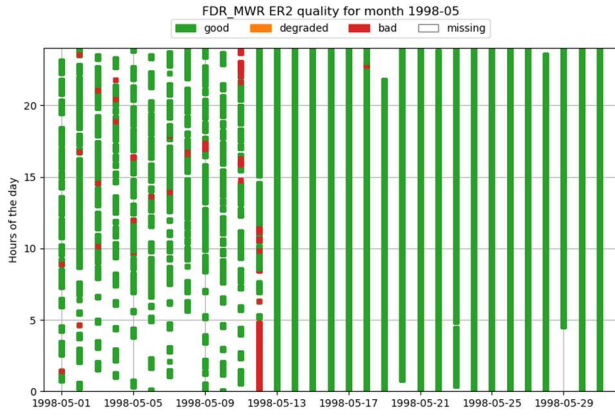
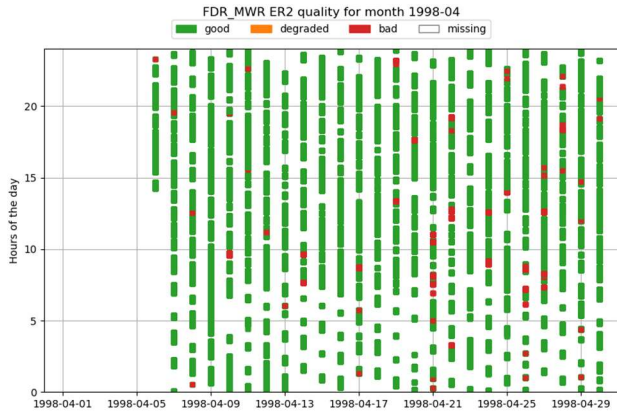
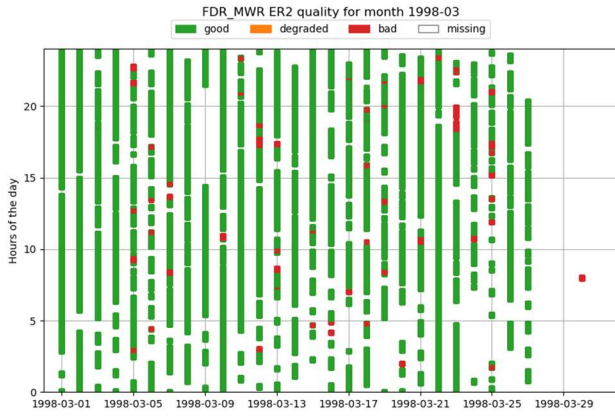
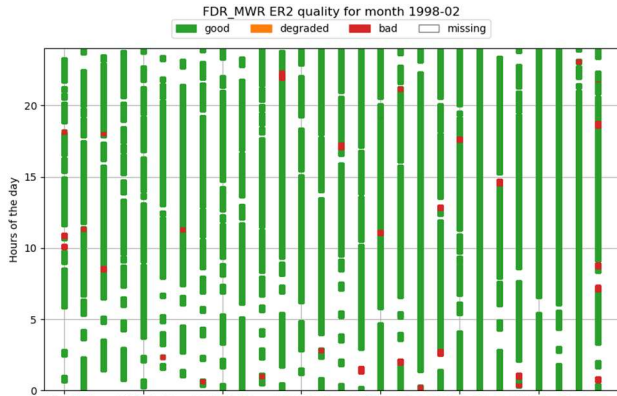
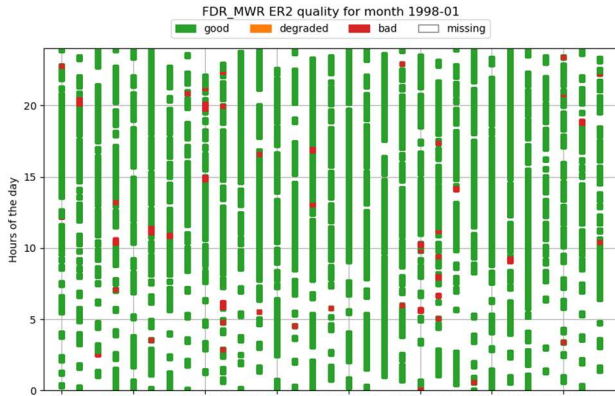
2.2.3 1997

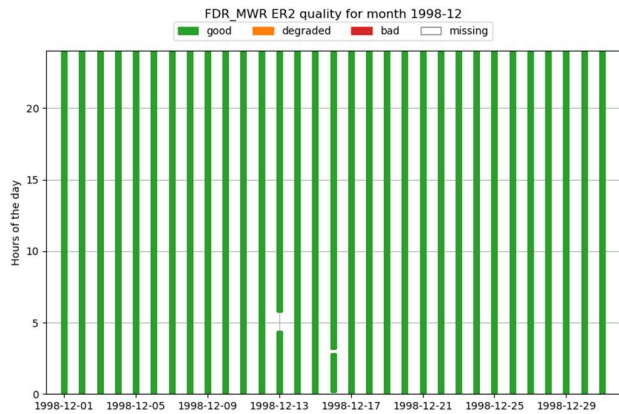
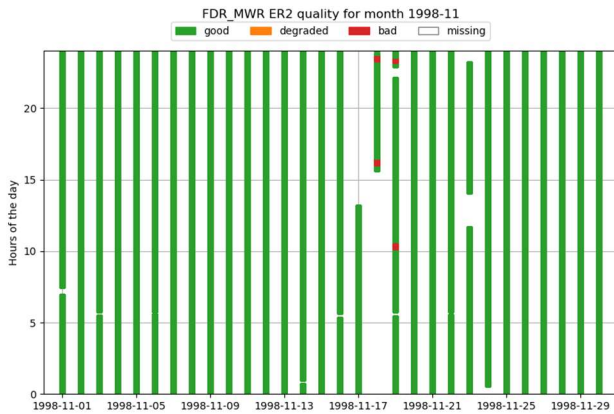
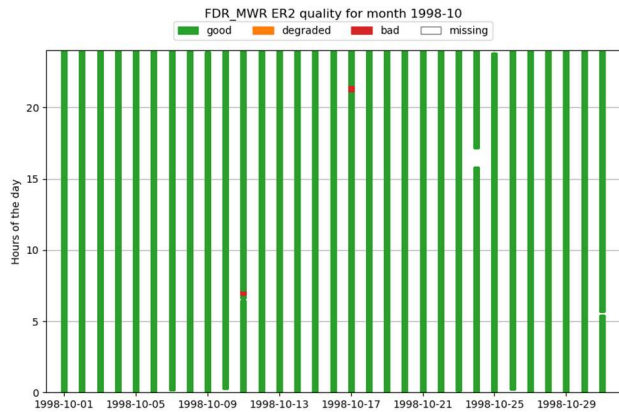
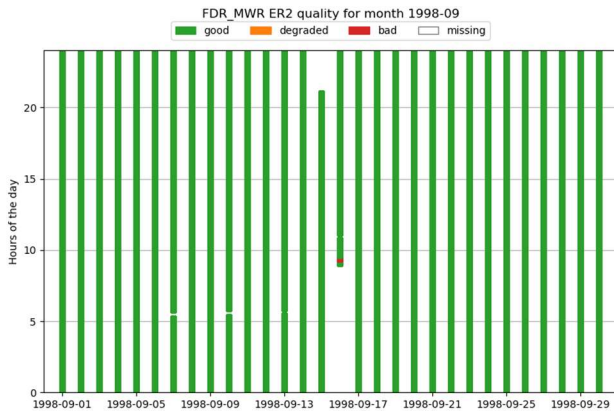




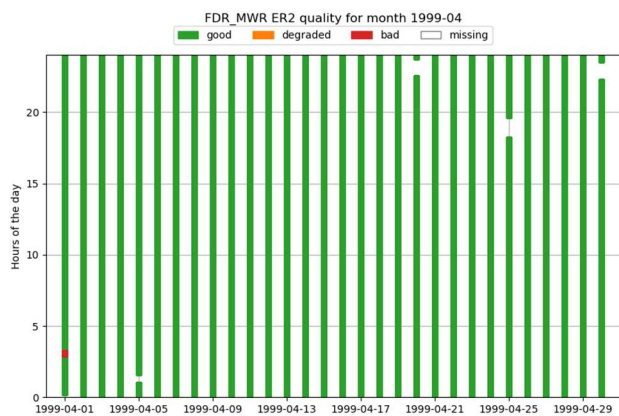
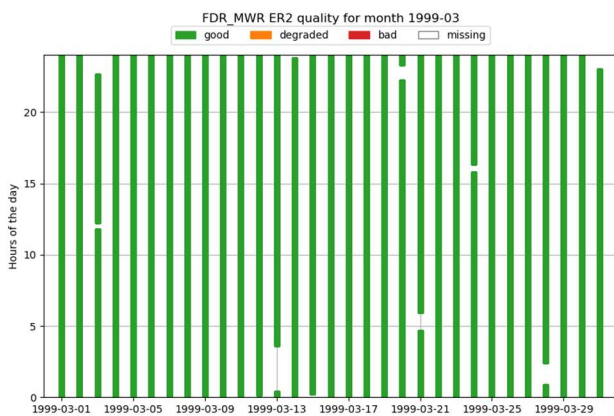
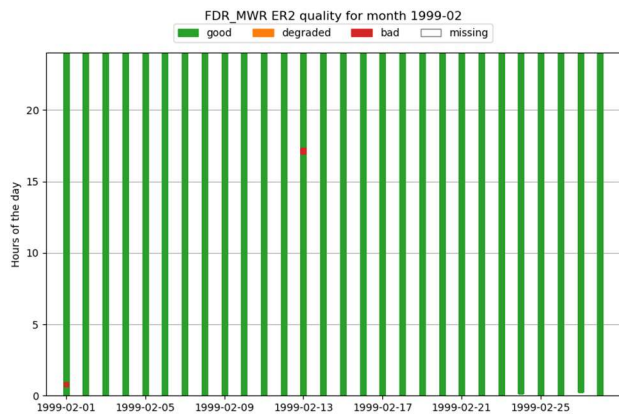
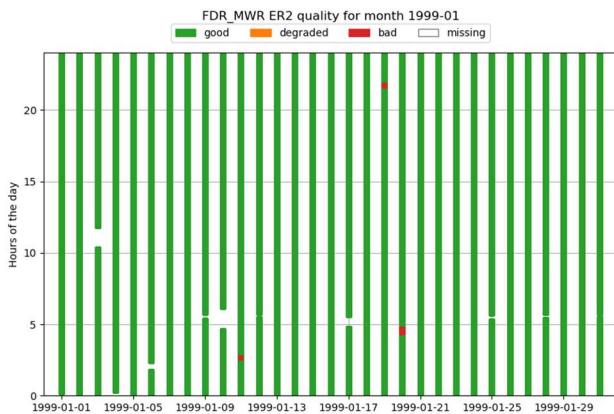
2.2.4 1998

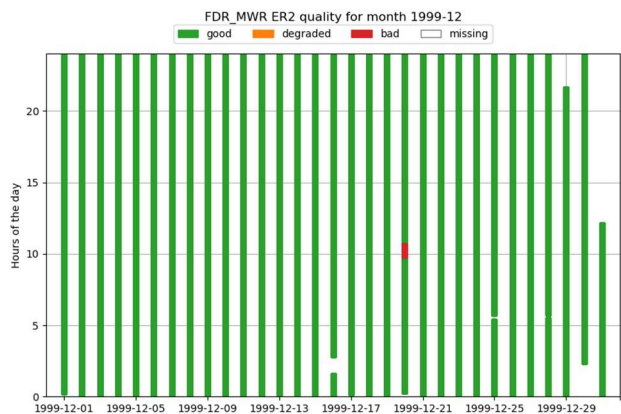
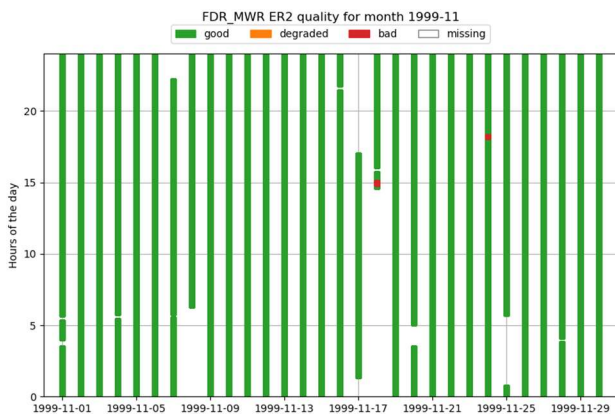
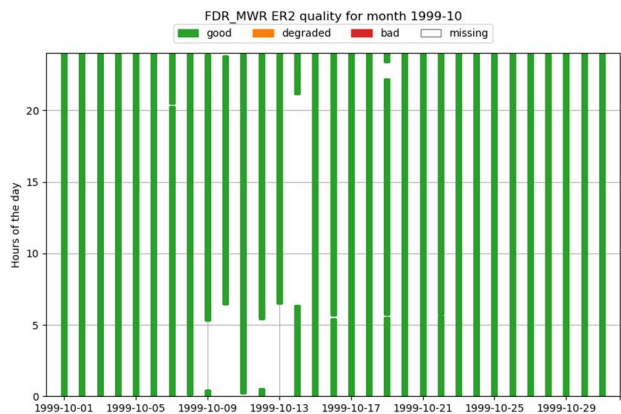
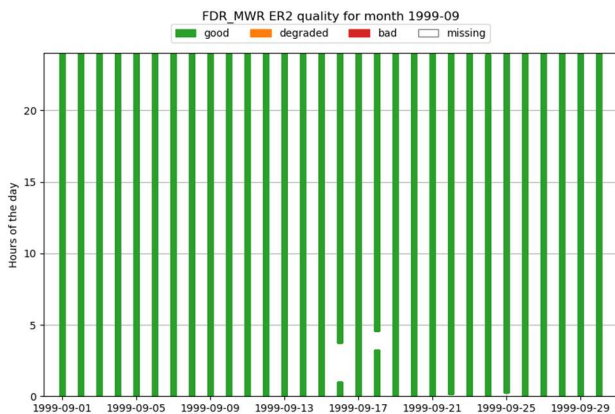
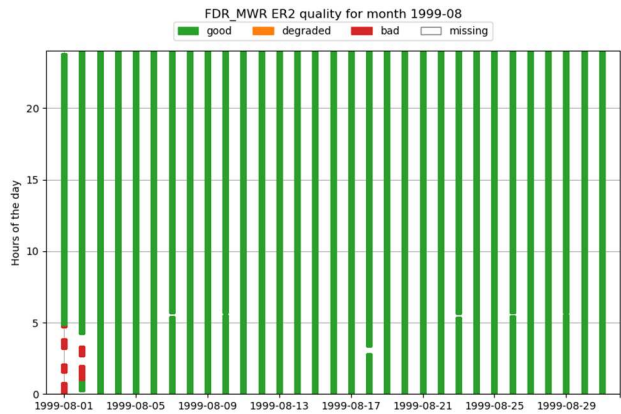
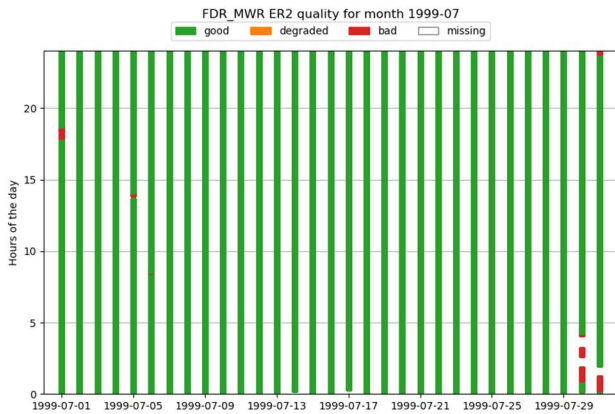
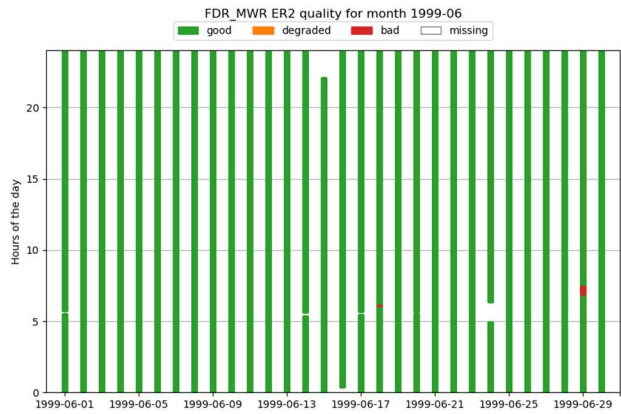
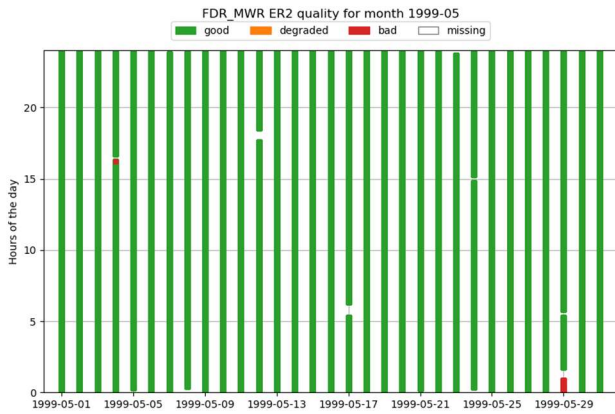






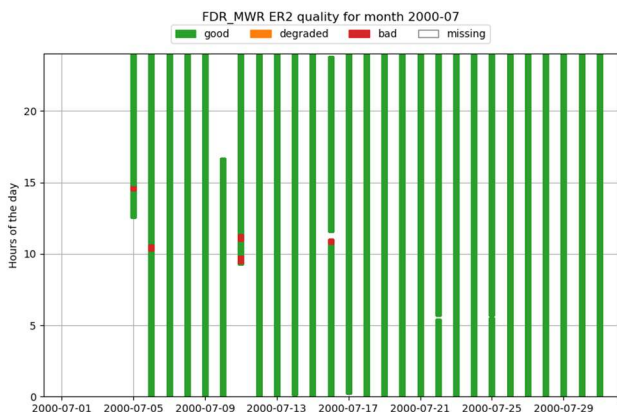
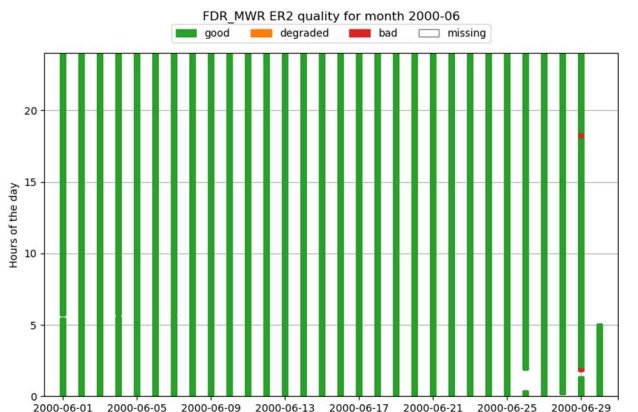
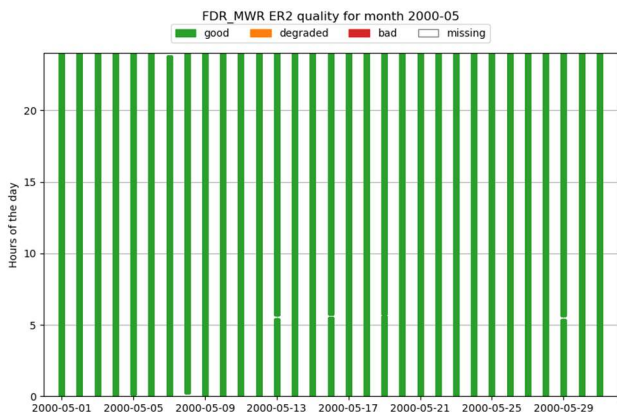
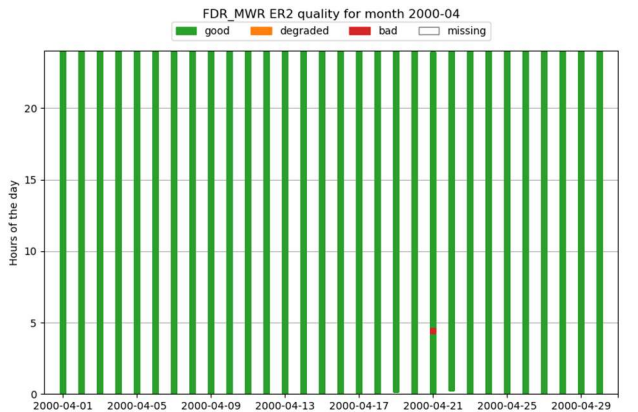
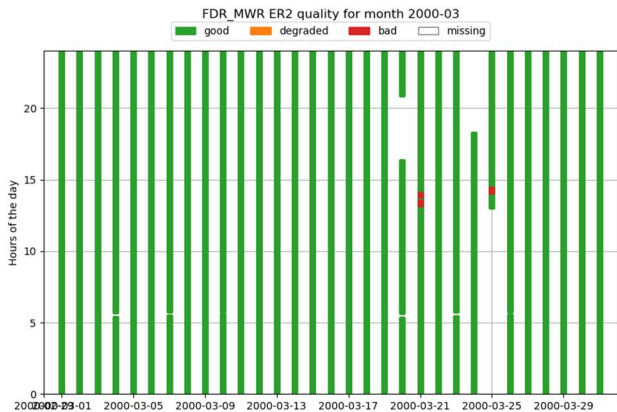
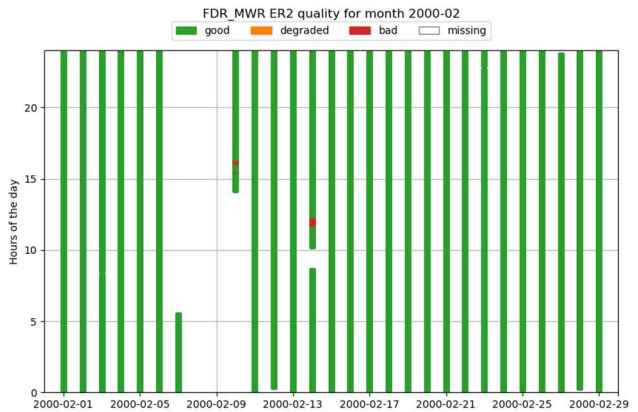
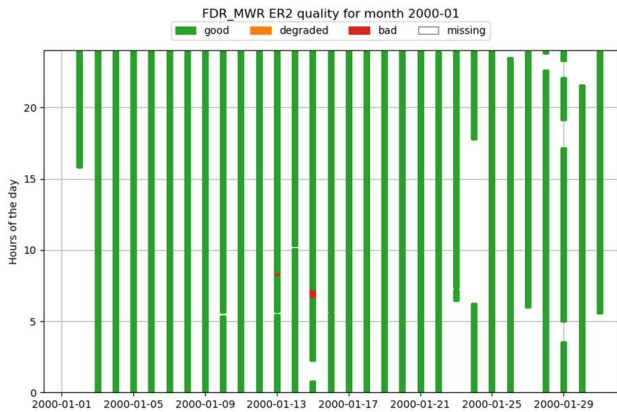
2.2.5 1999

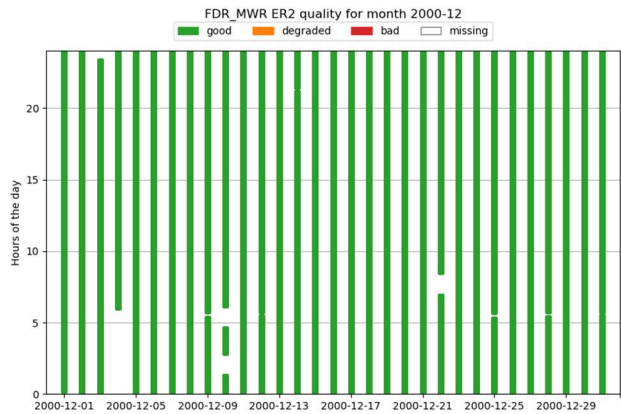
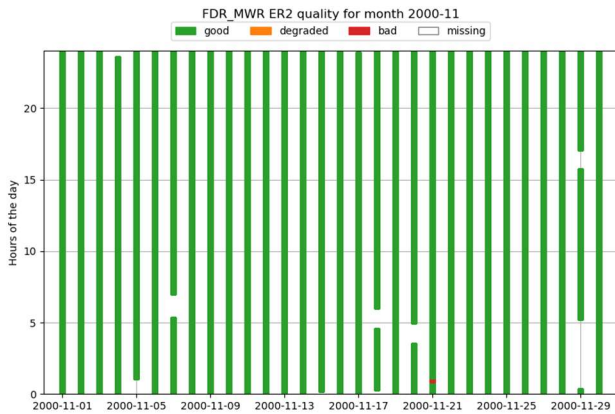
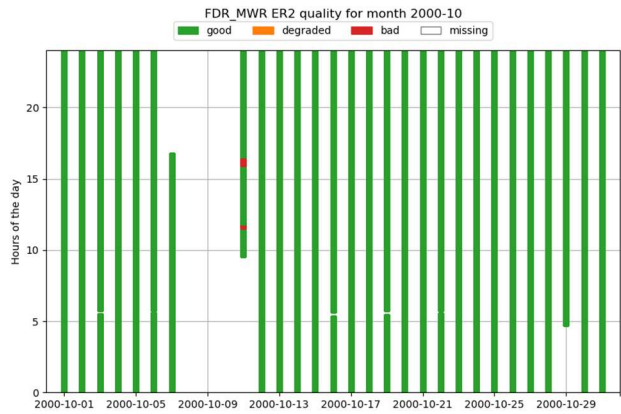
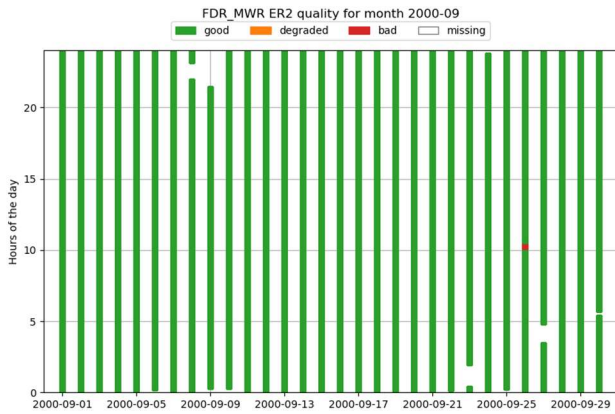




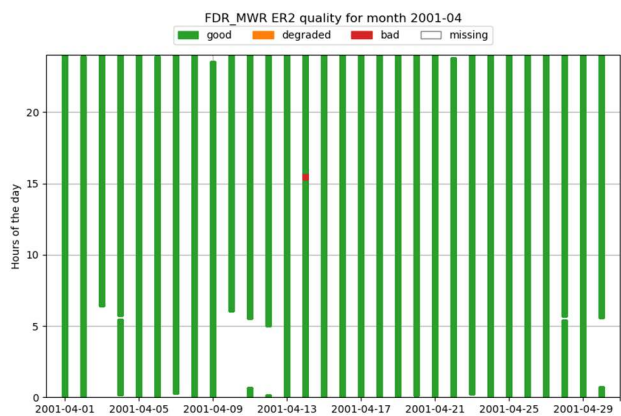
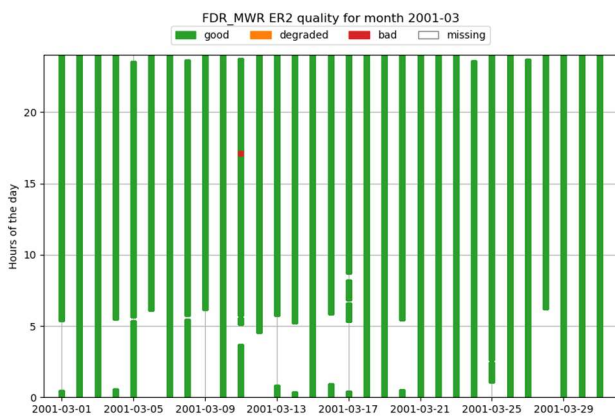
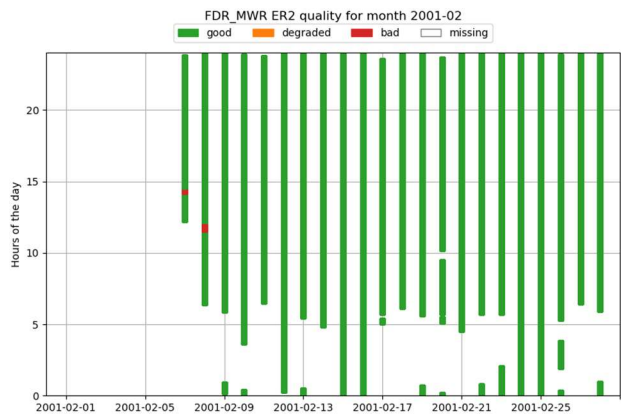
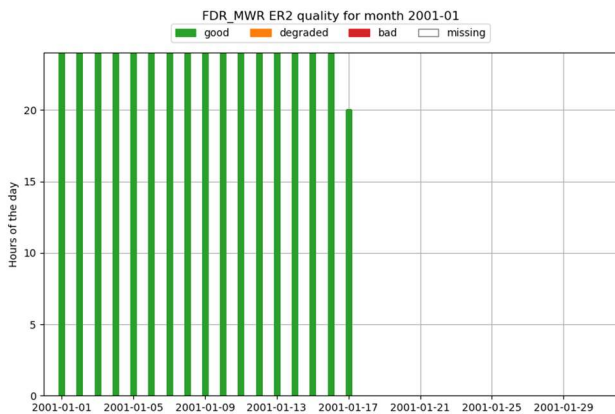
2.2.6 2000

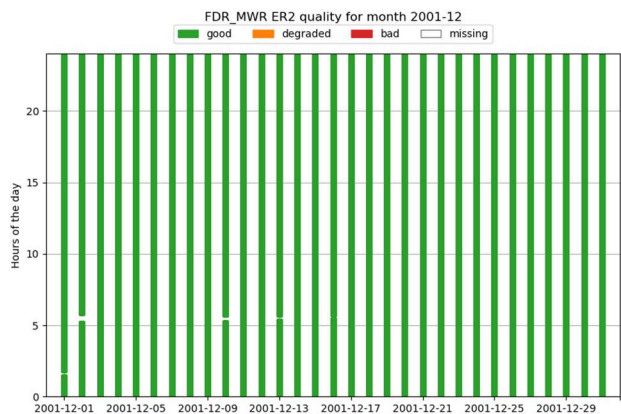
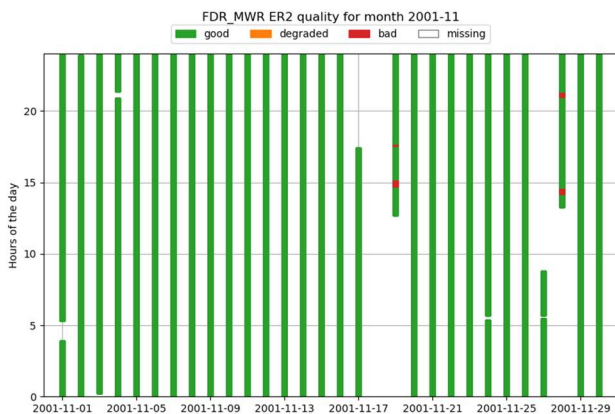
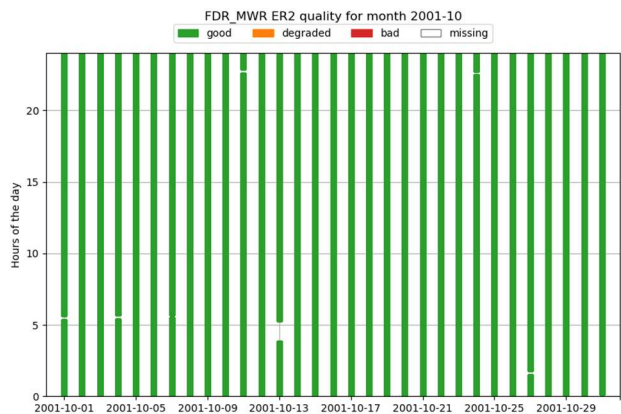
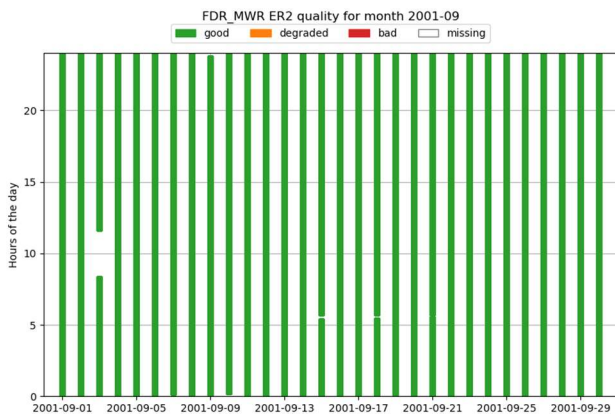
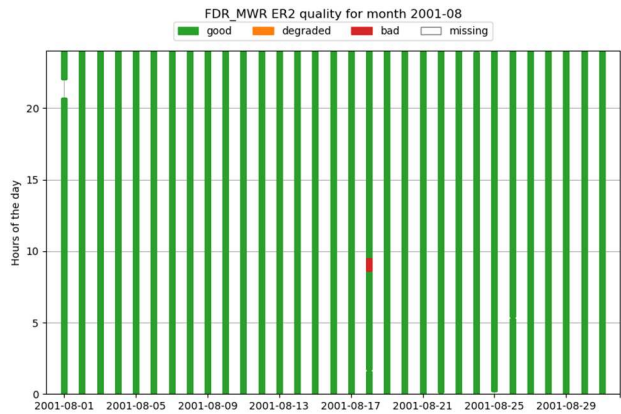
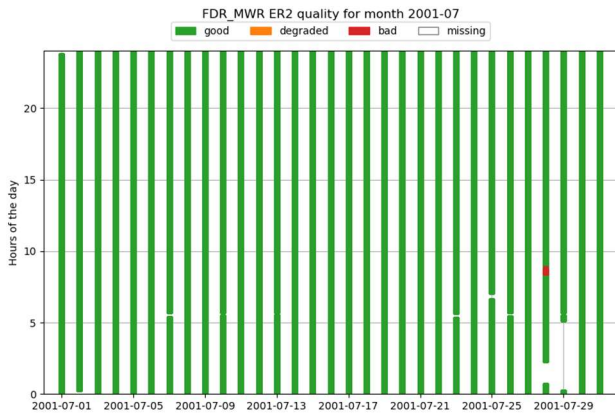
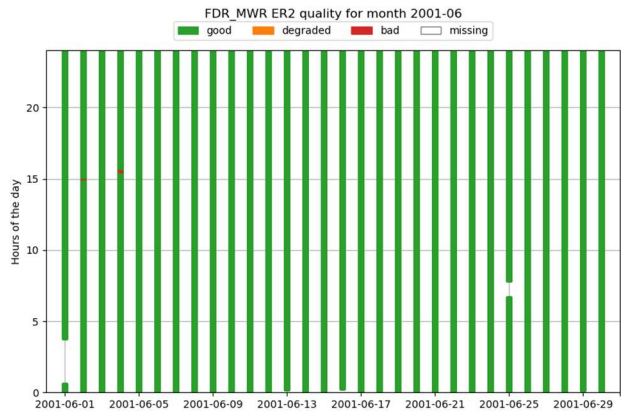
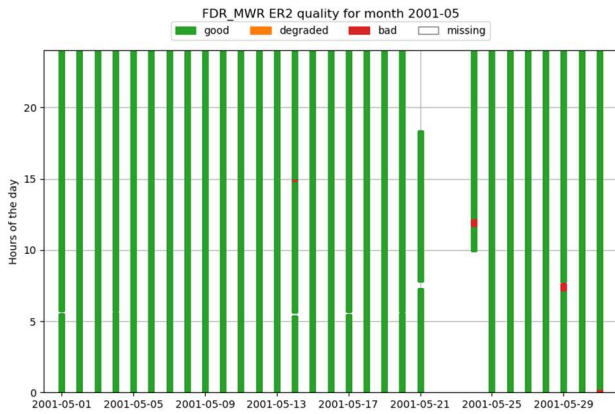




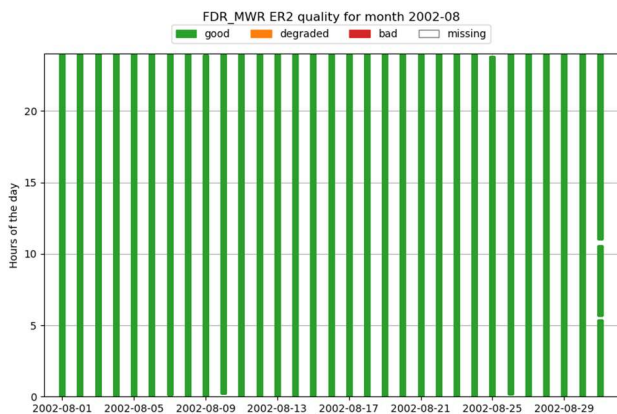
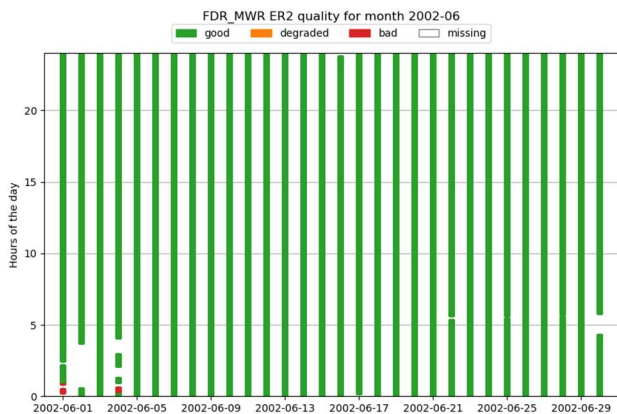
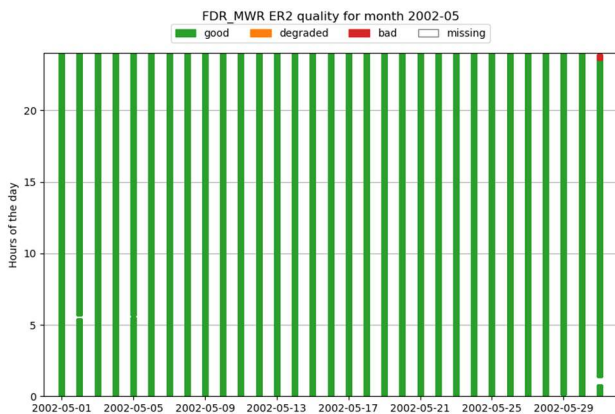
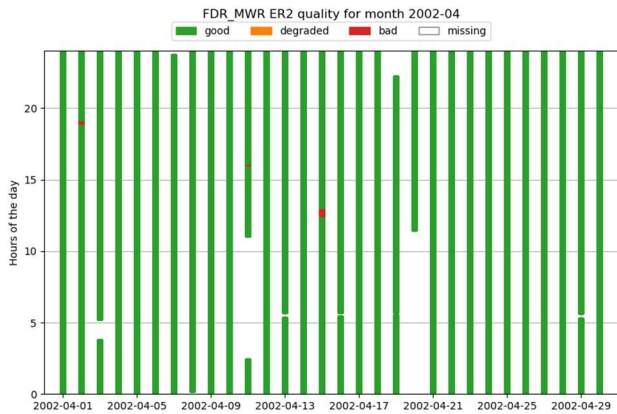
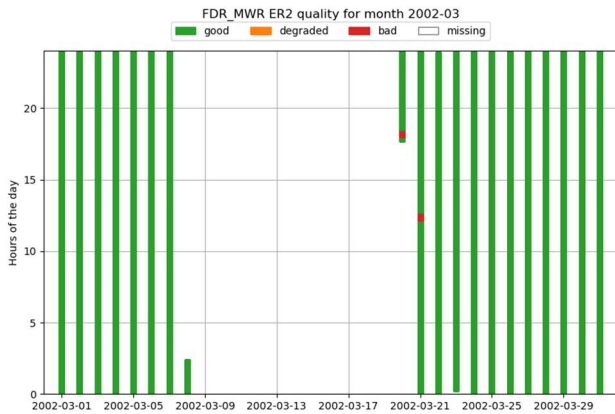
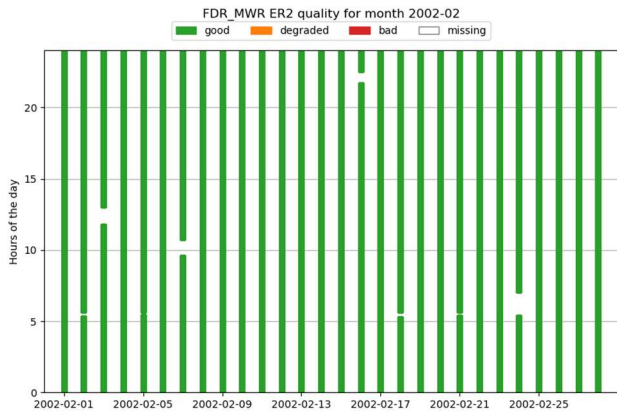
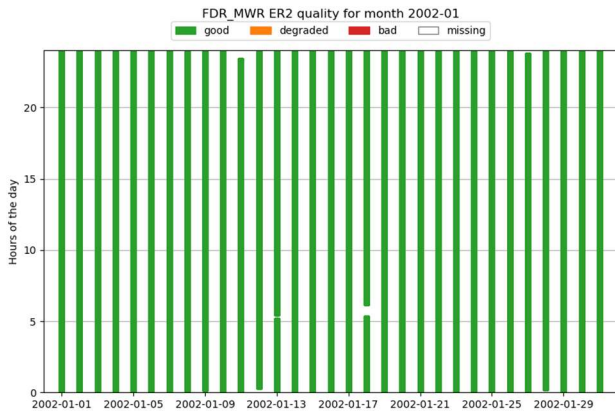


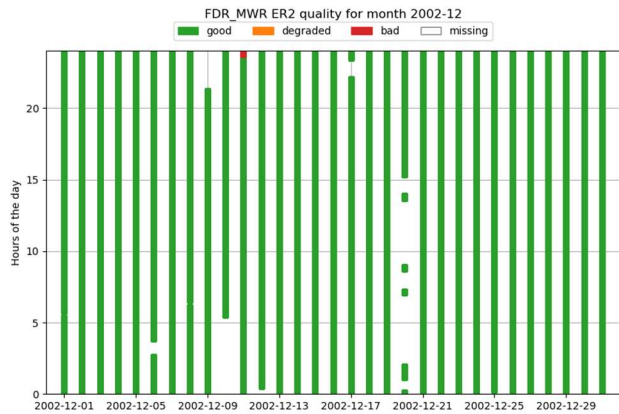
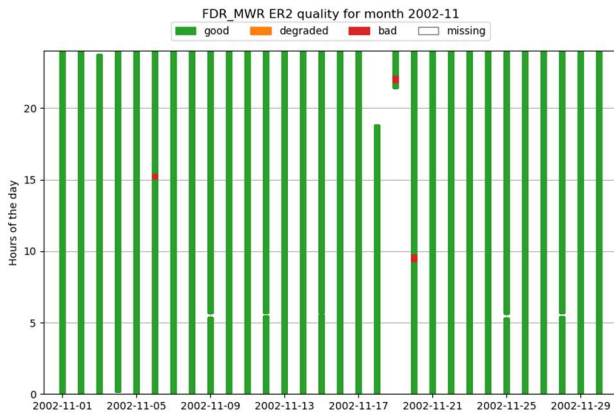
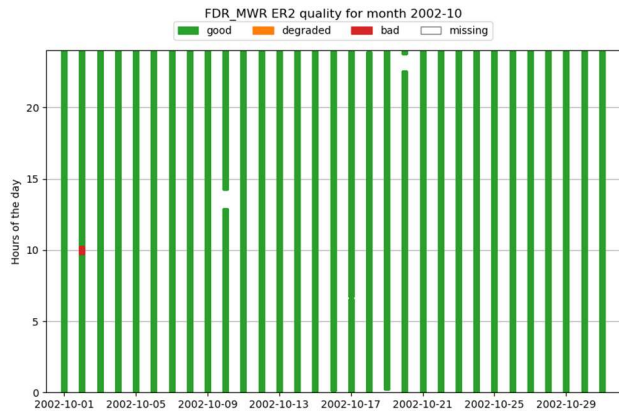
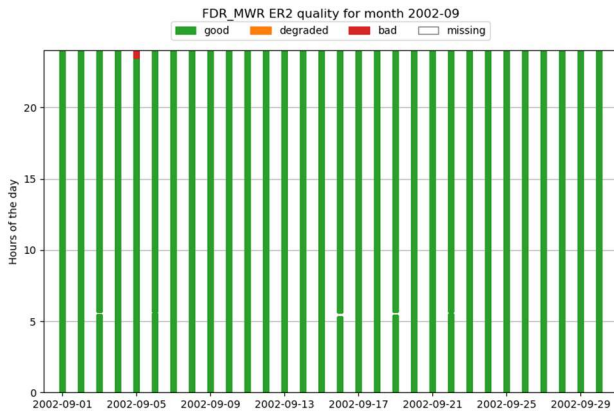
2.2.7 2001



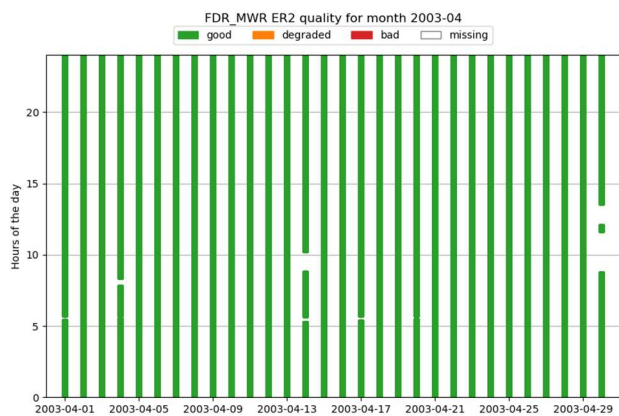
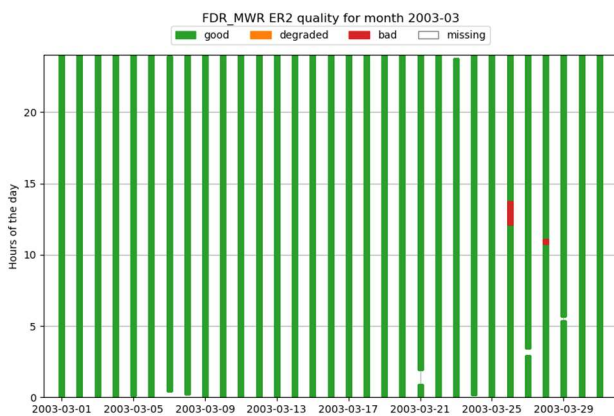
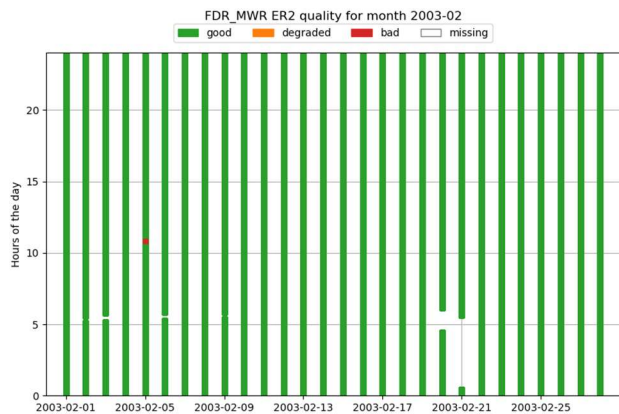
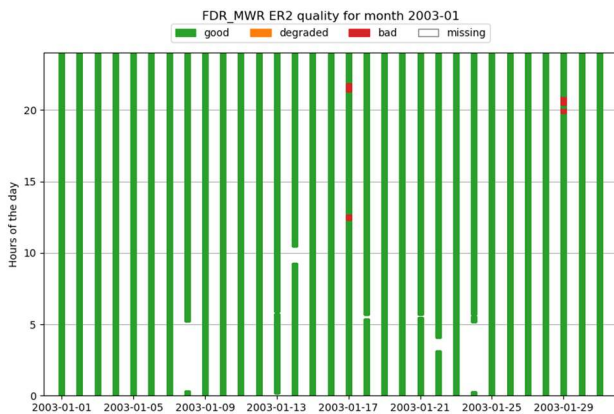


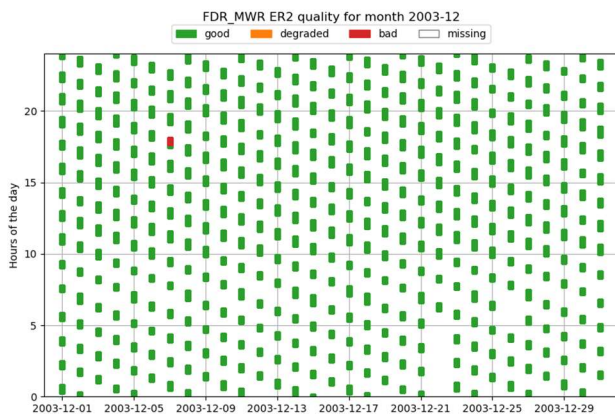
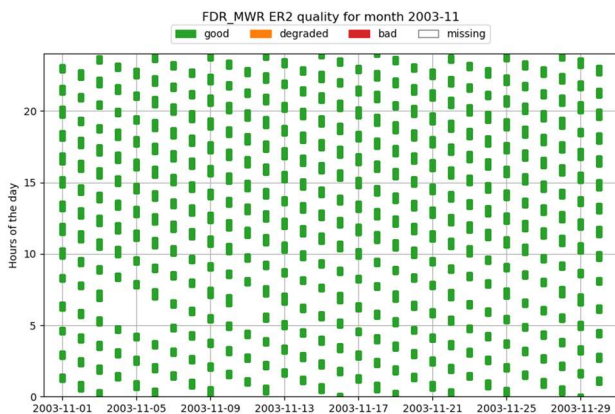
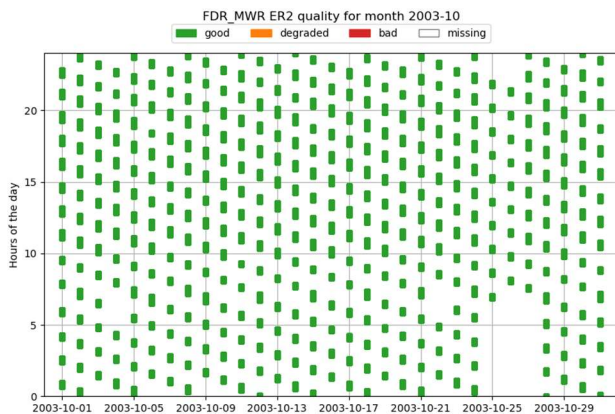
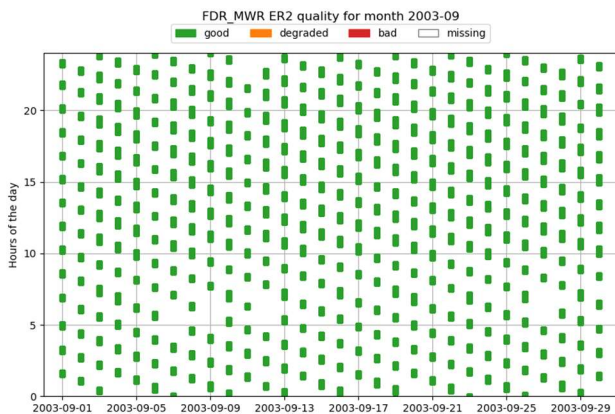
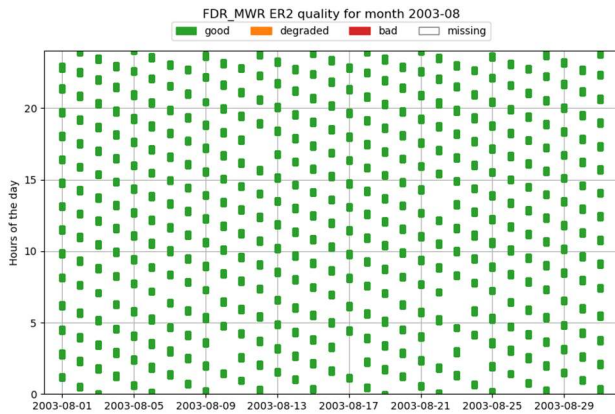
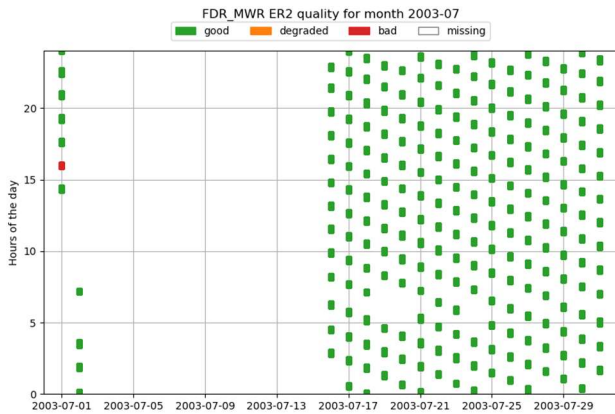
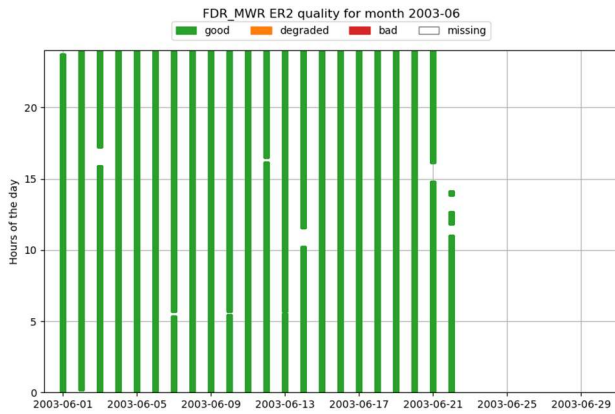
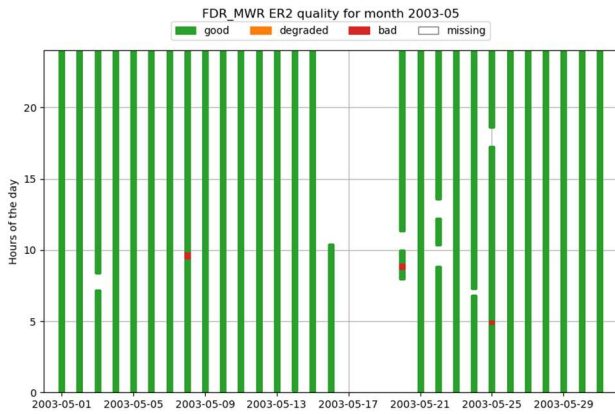
2.2.8 2002





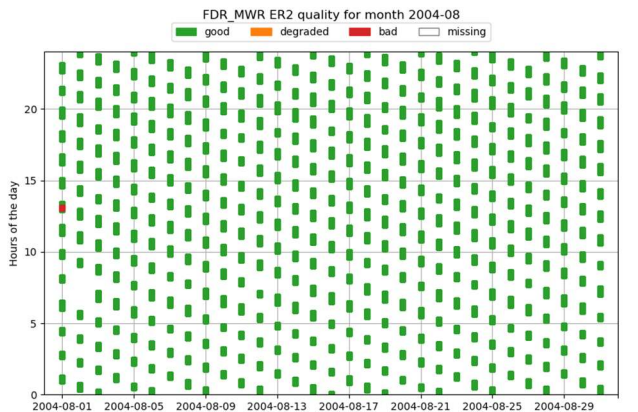
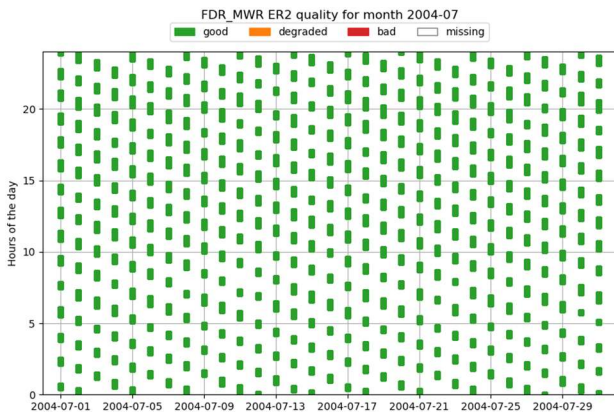
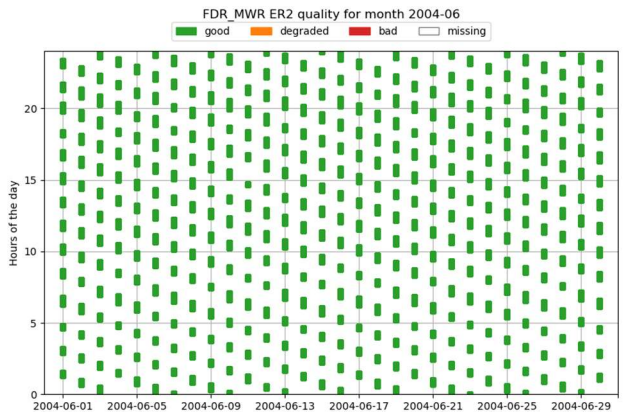
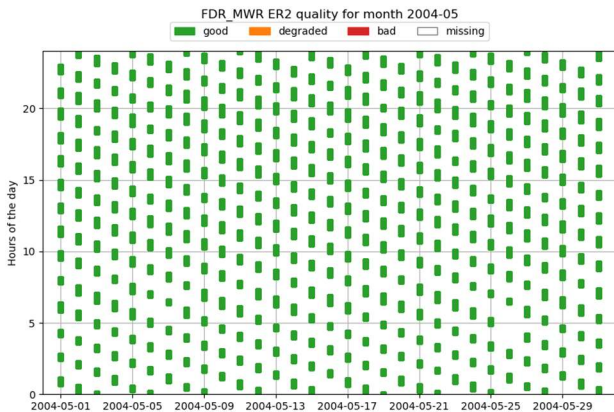
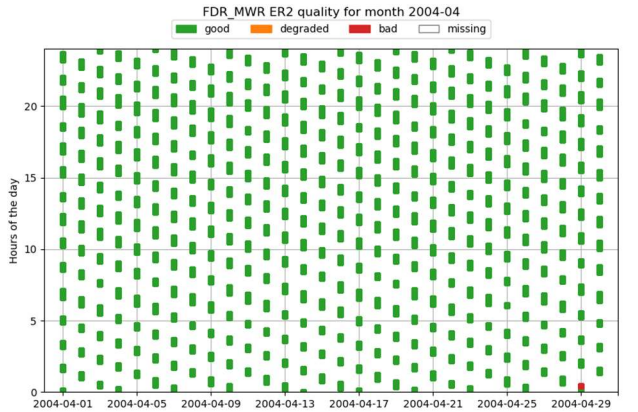
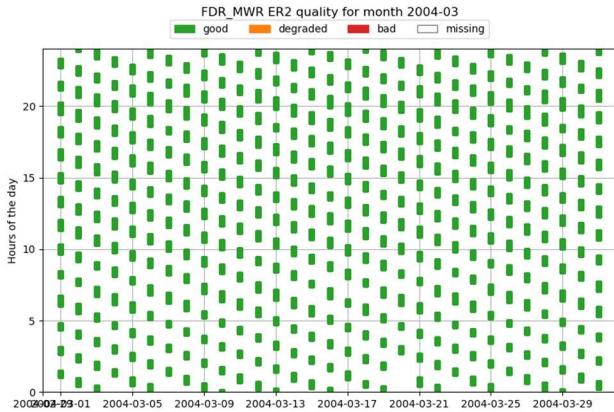
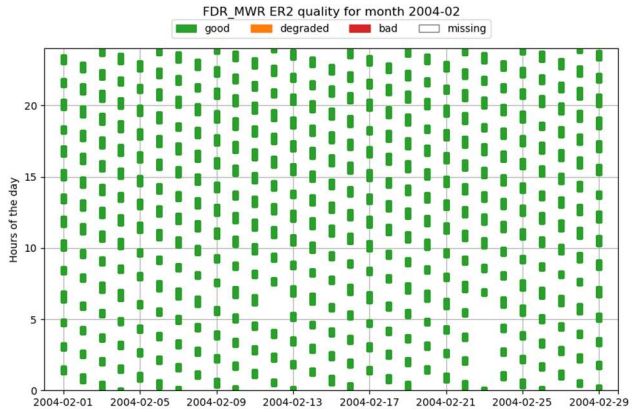
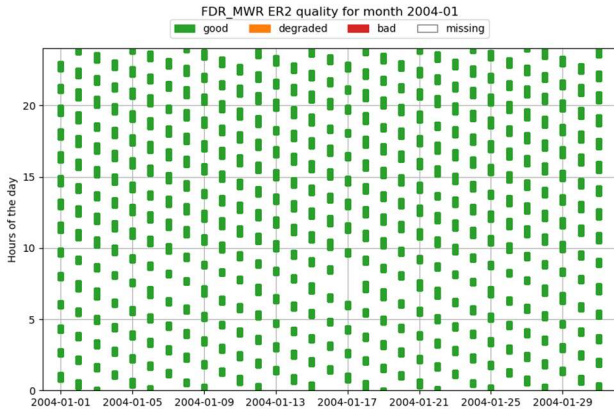
2.2.9 2003

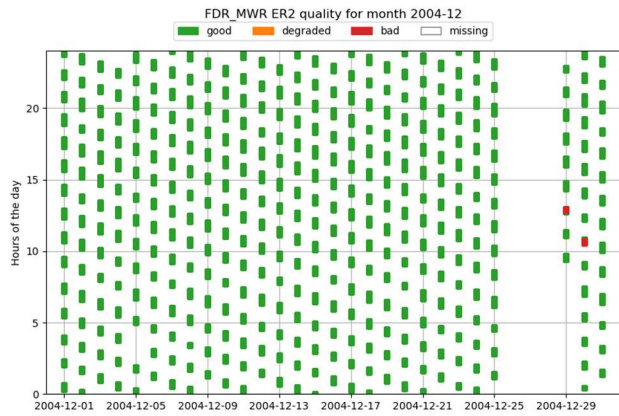
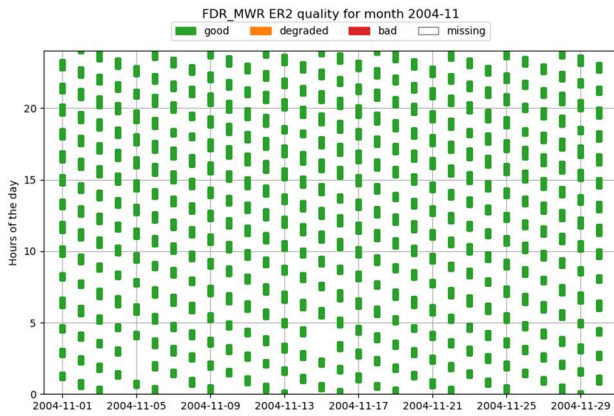
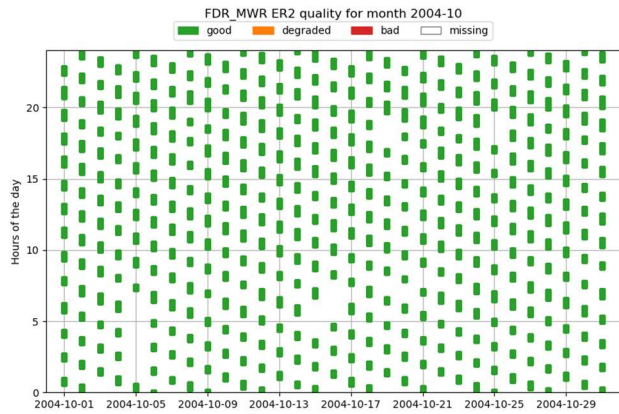
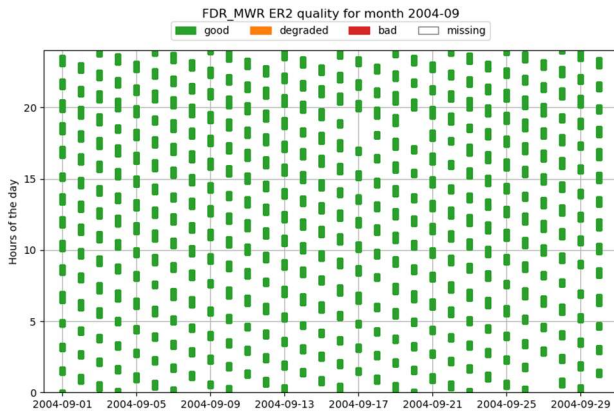




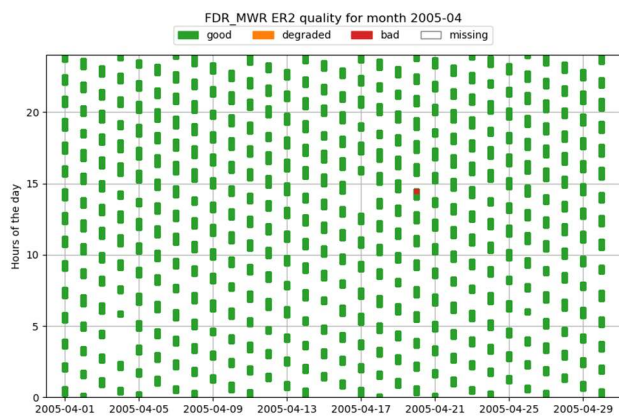
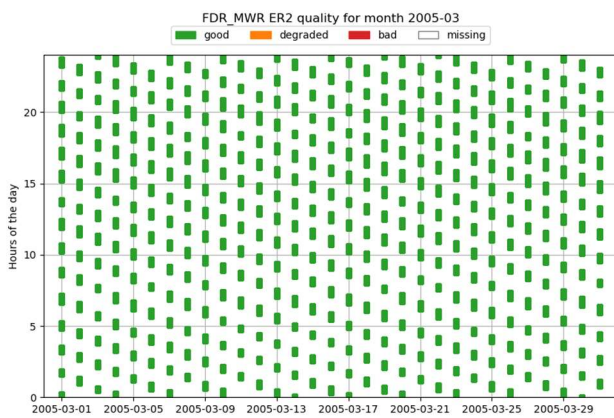
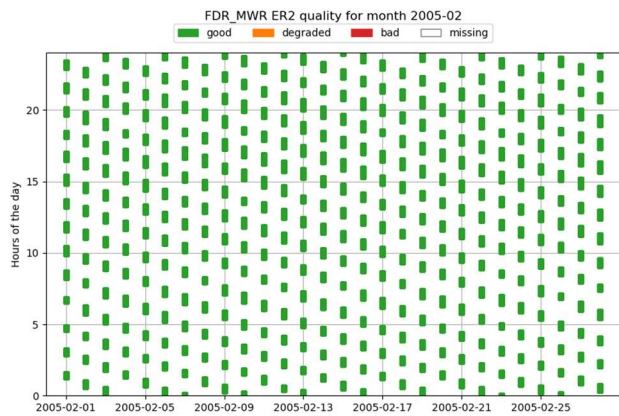
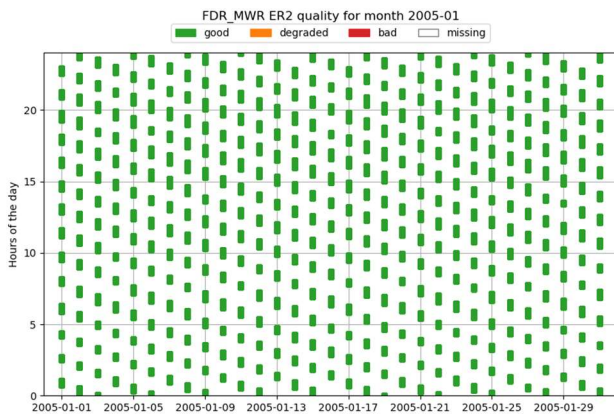
2.2.10 2004

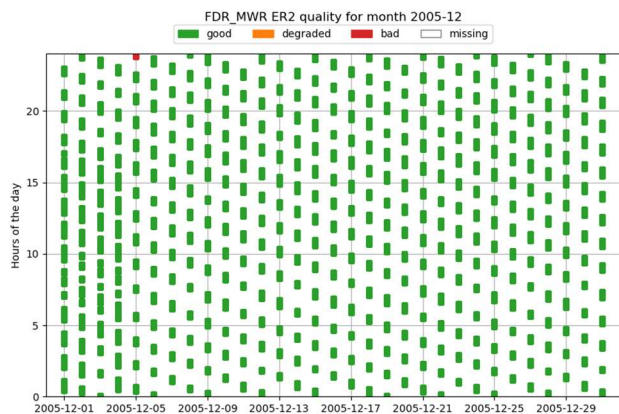
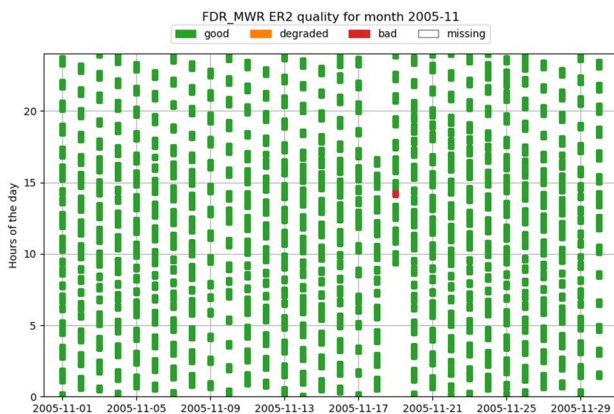
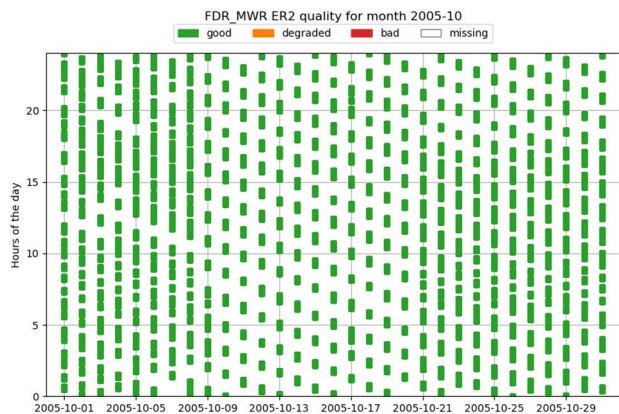
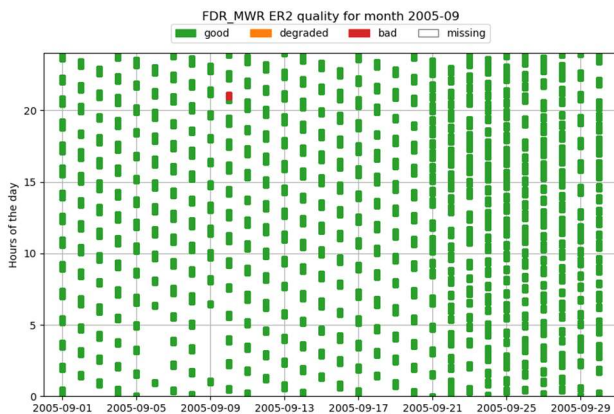
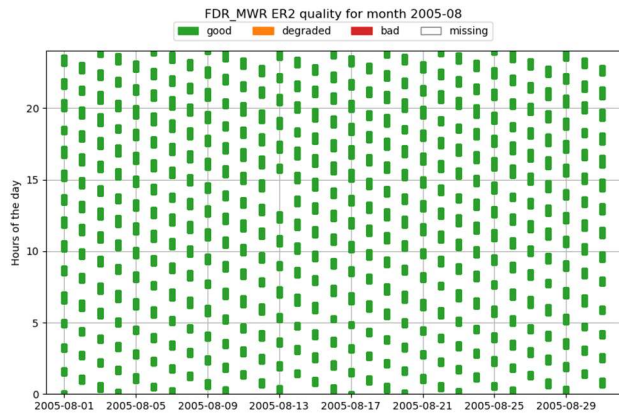
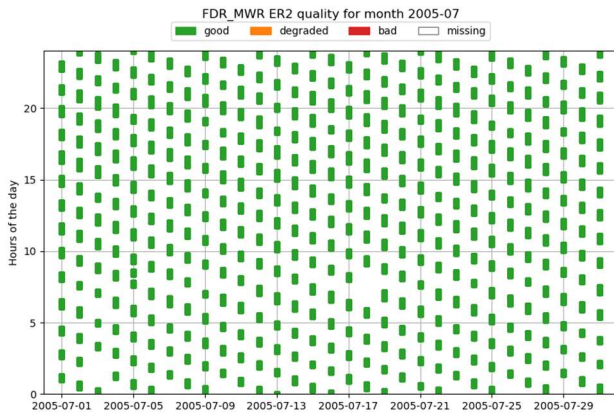
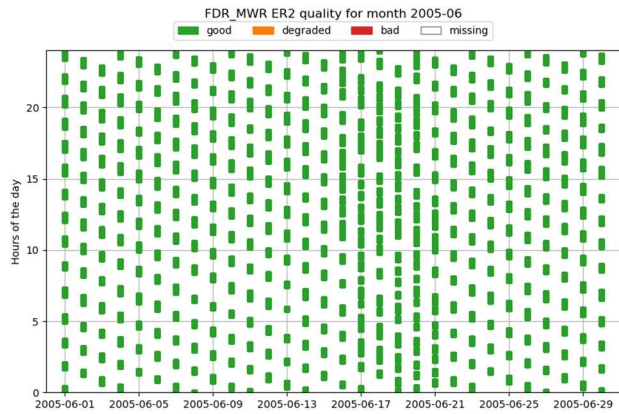
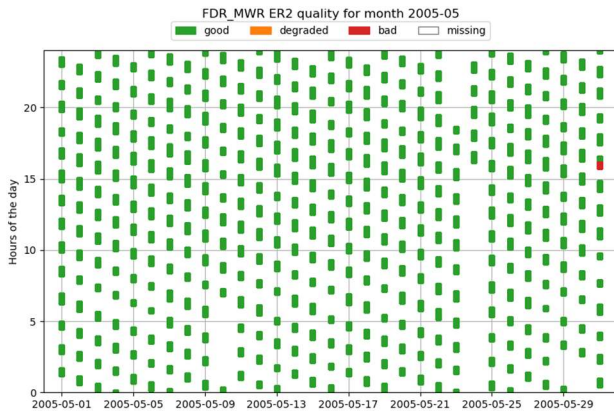




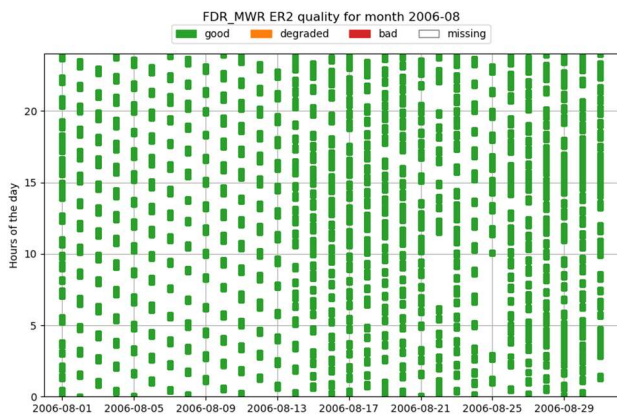
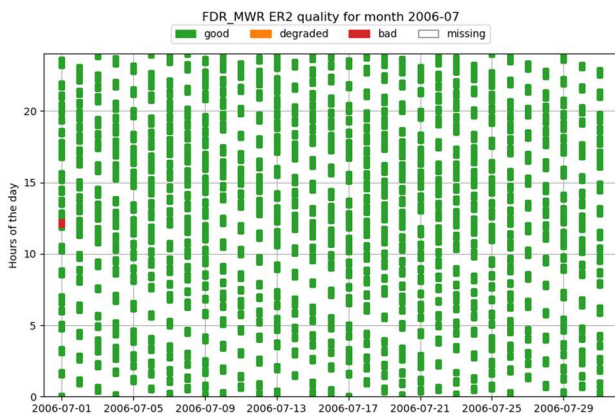
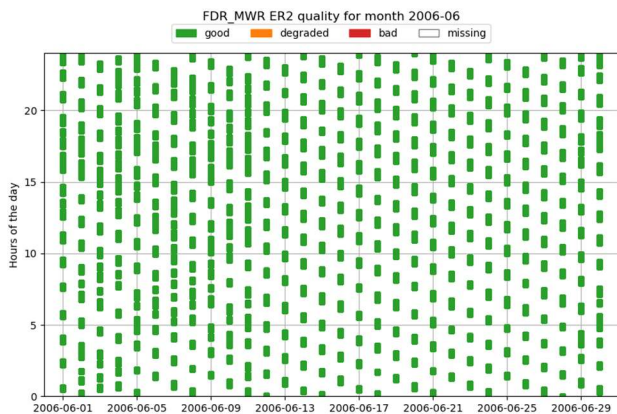
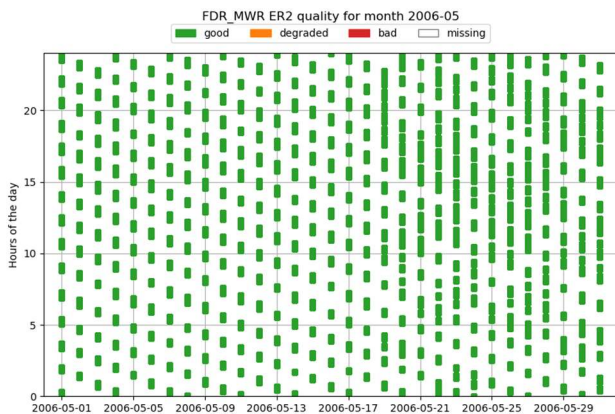
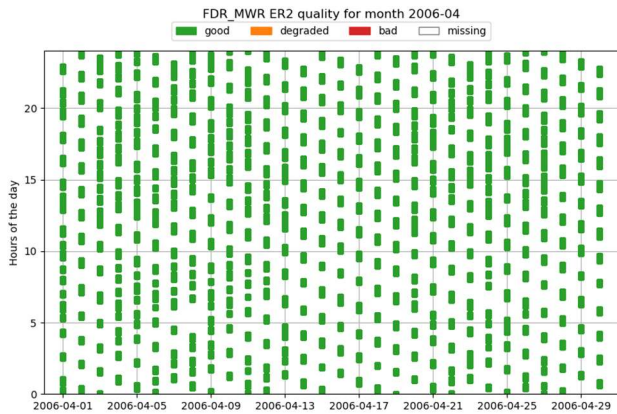
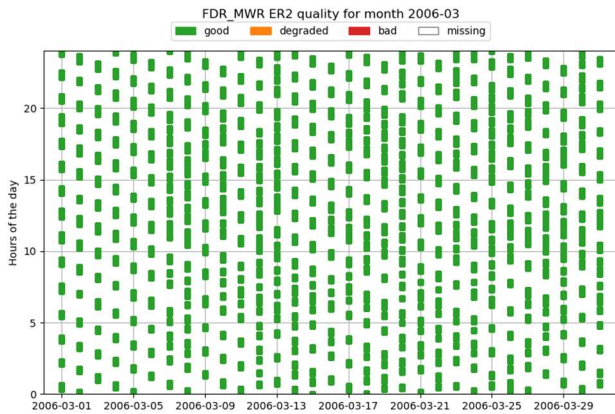
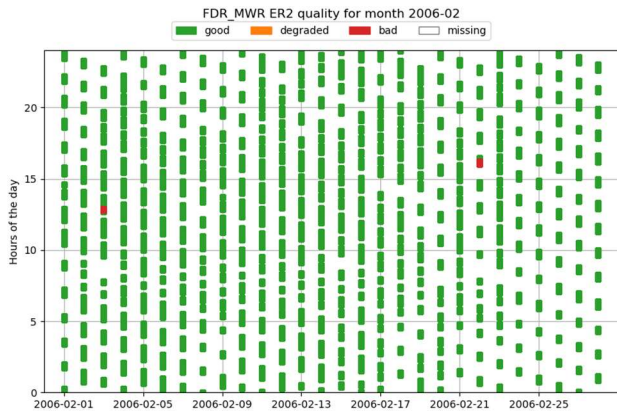
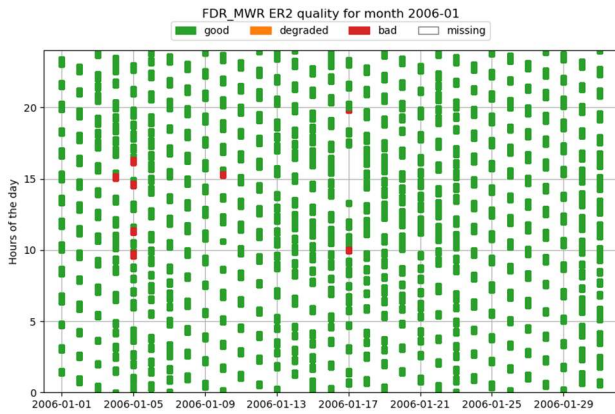


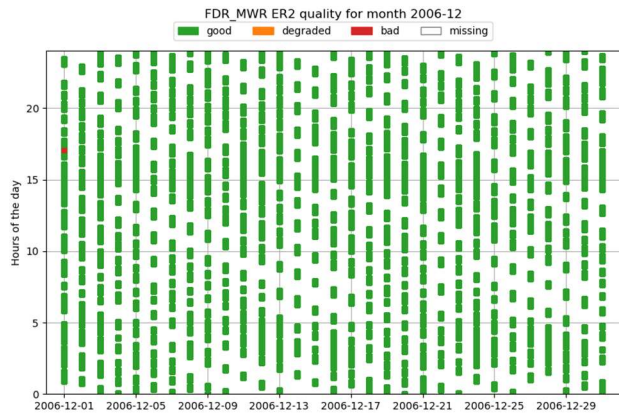
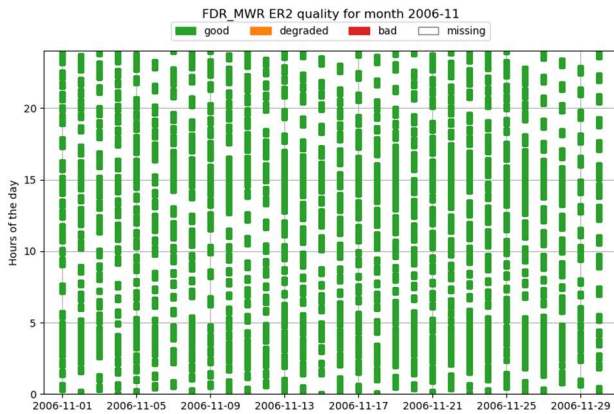
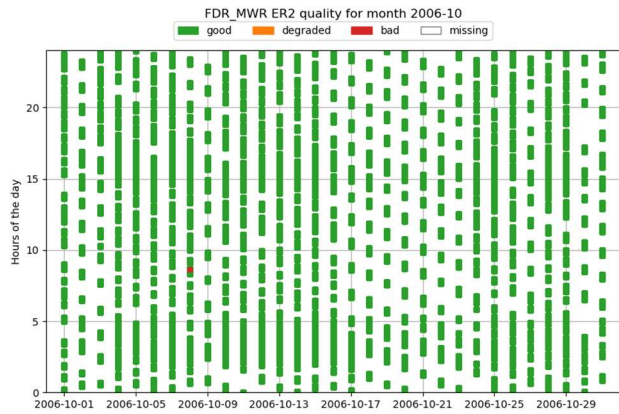
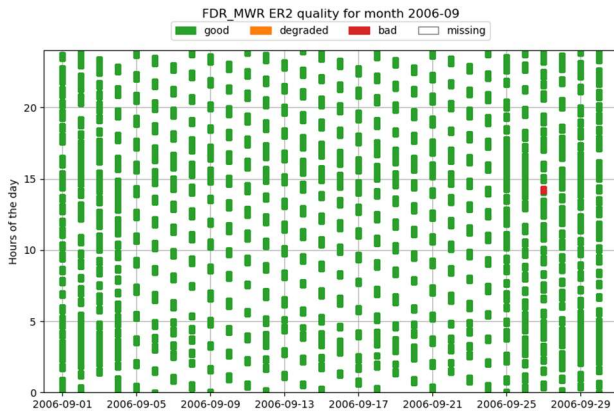
2.2.11 2005



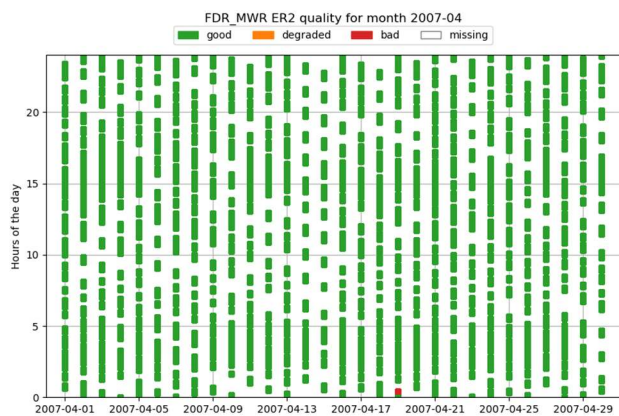
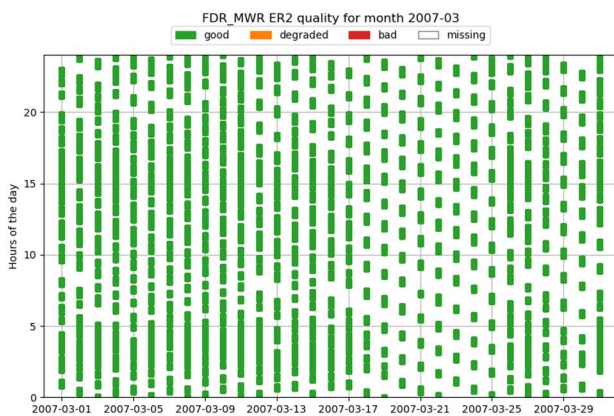
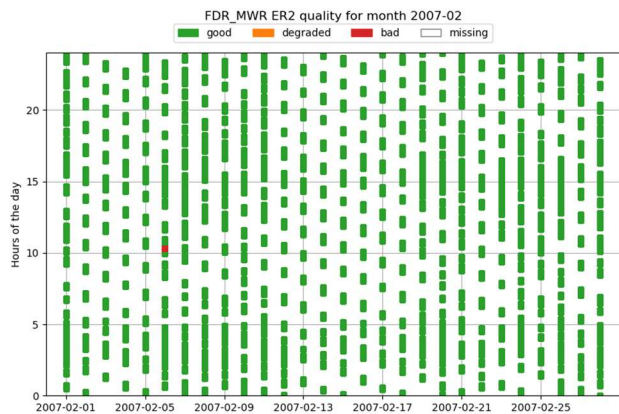
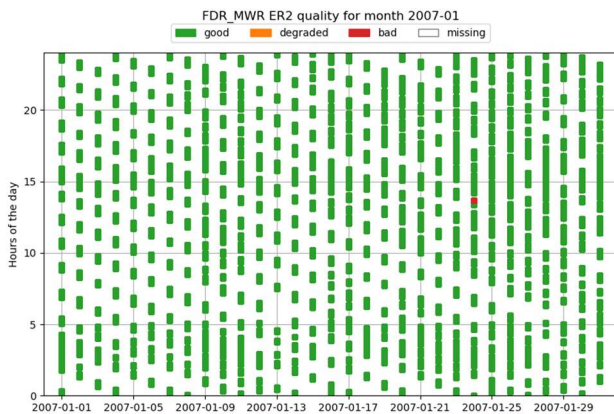


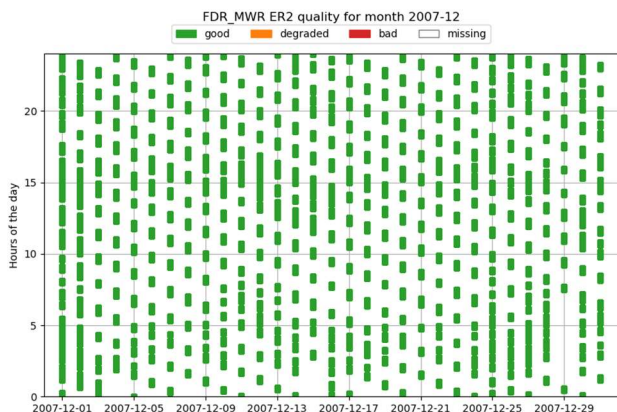
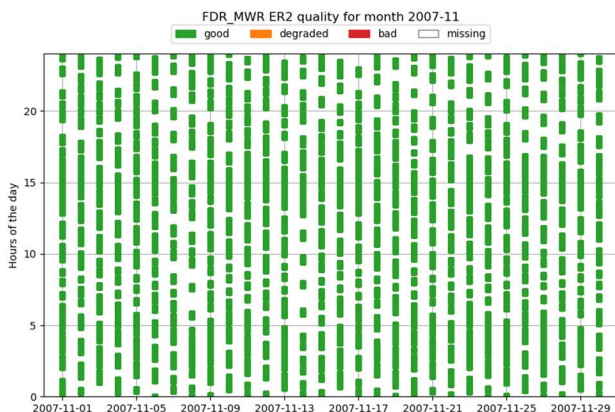
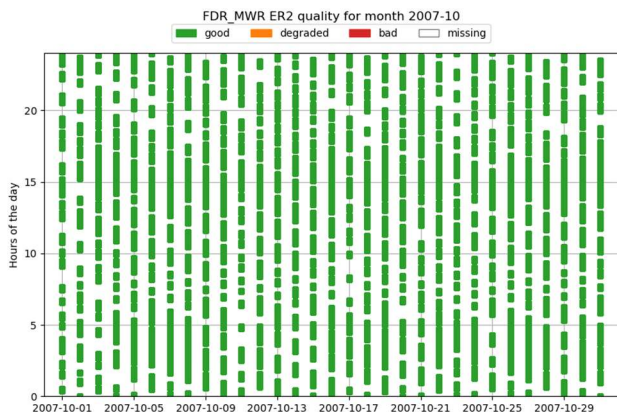
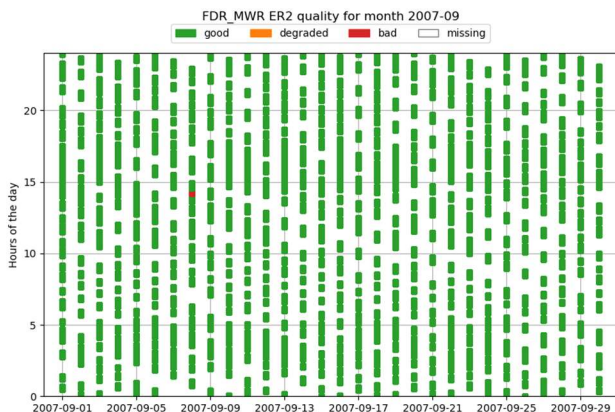
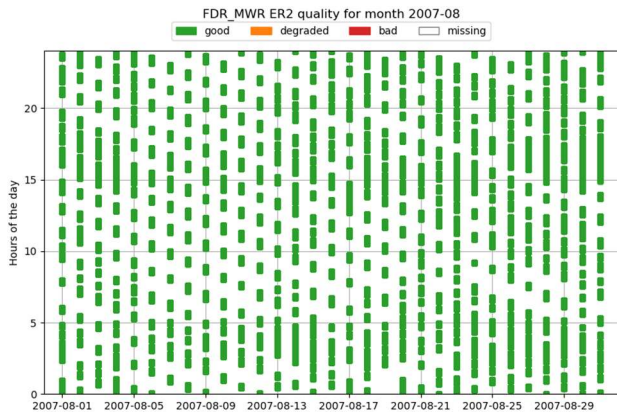
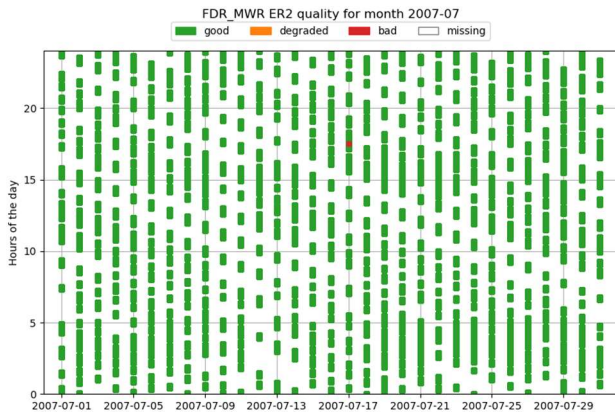
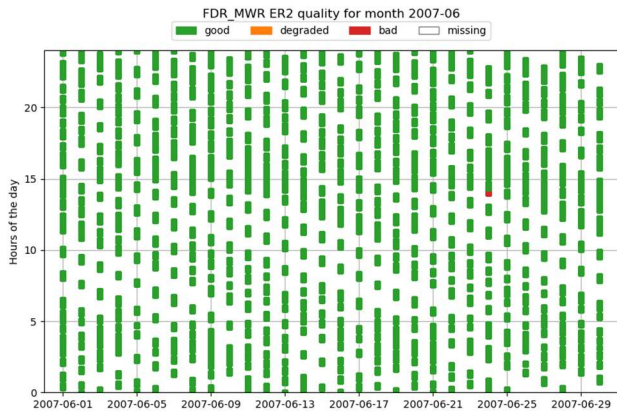
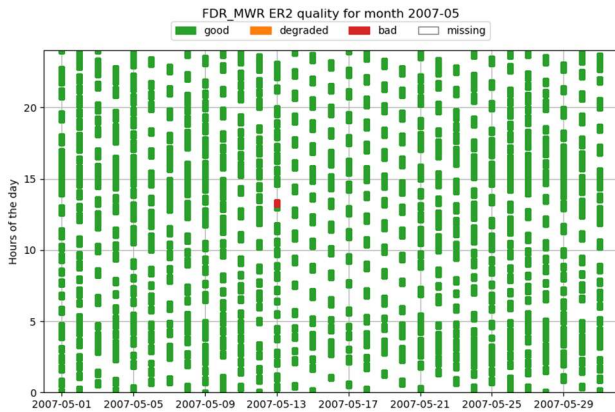
2.2.12 2006



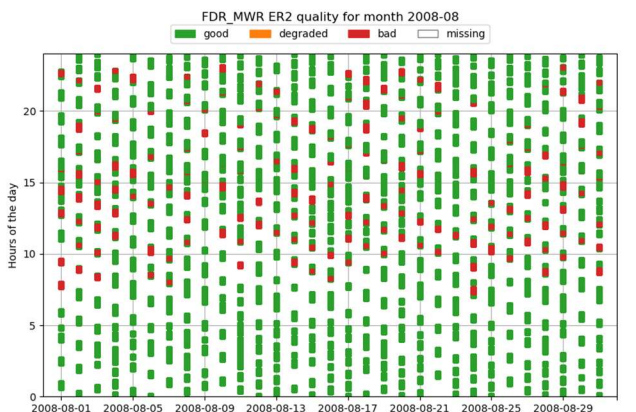
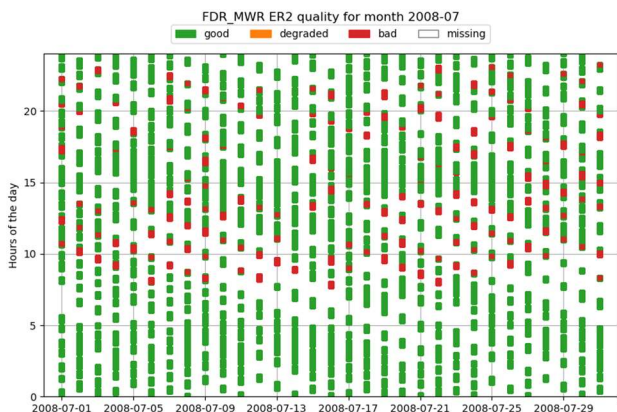
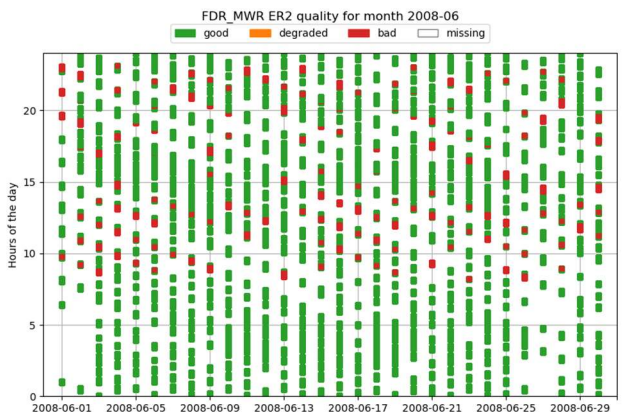
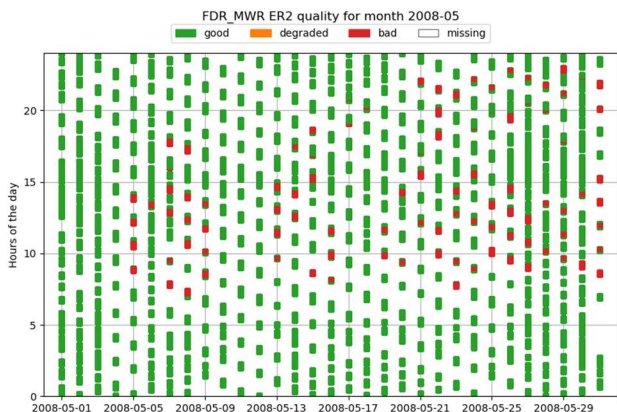
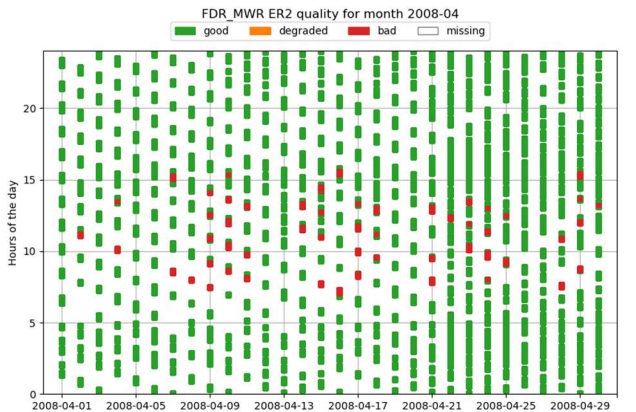
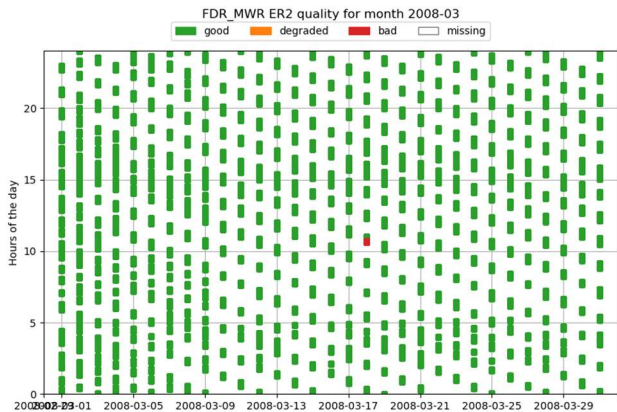
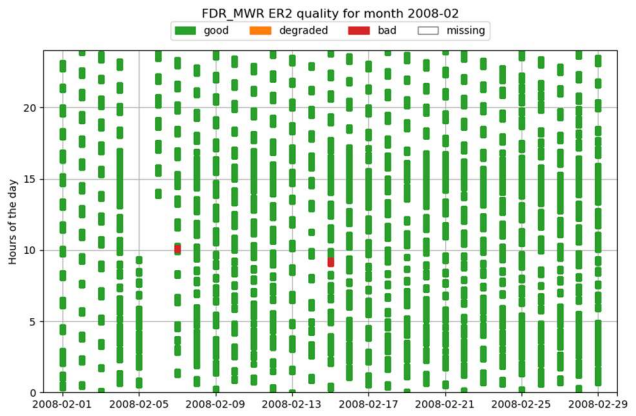
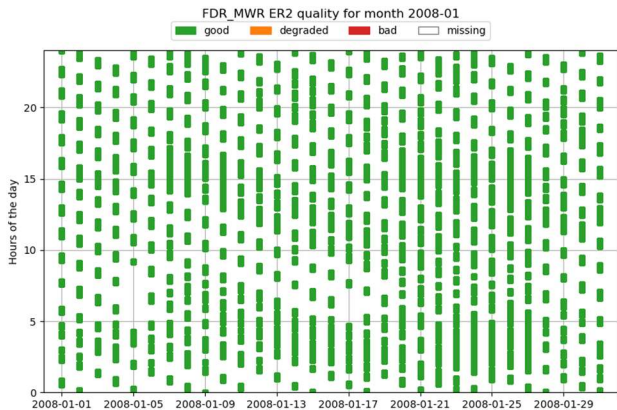


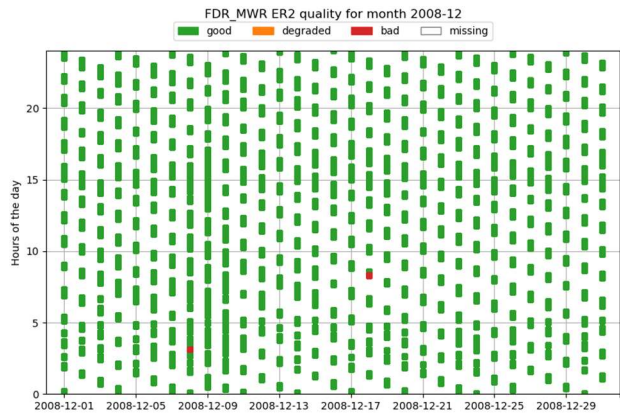
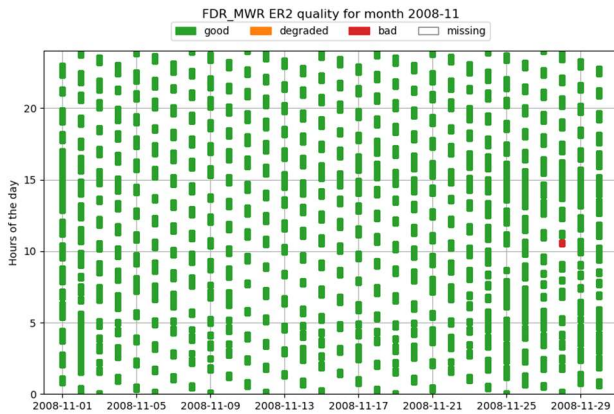
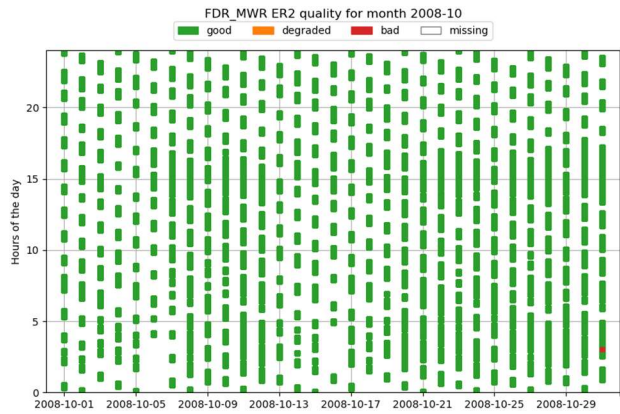
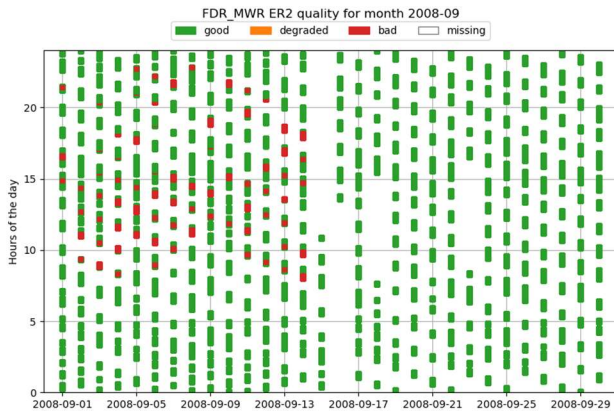
2.2.13 2007



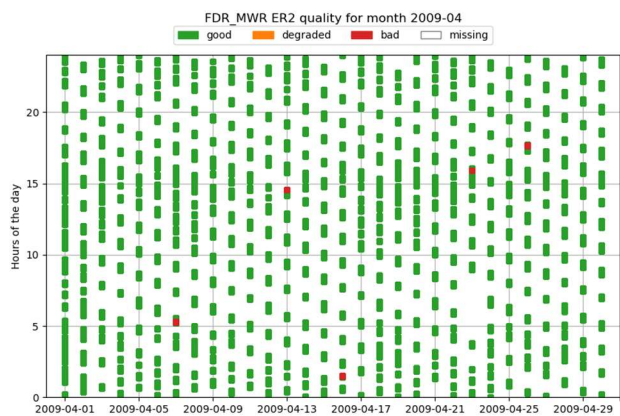
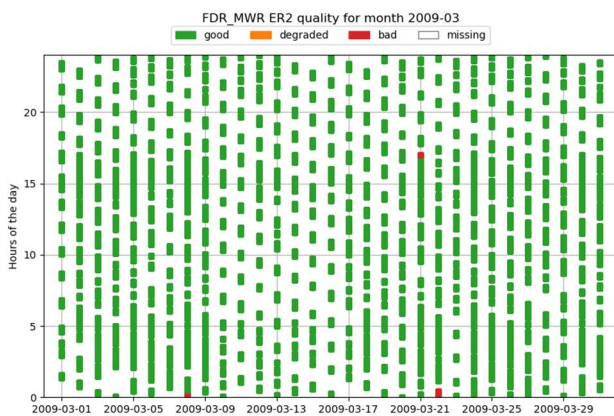
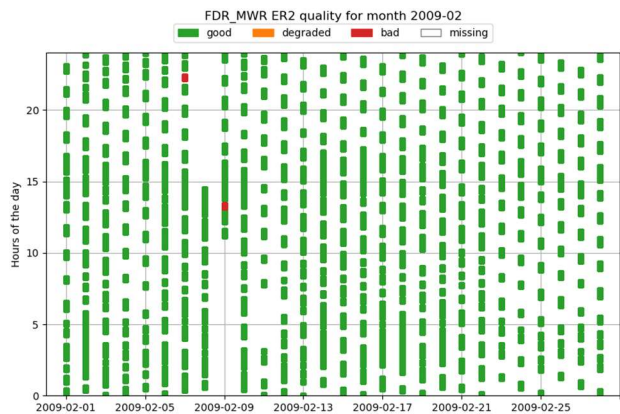
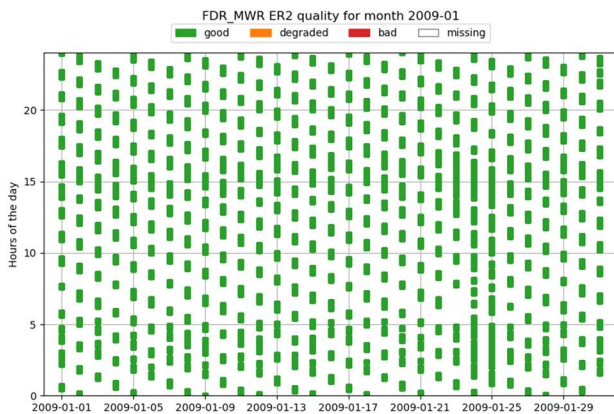


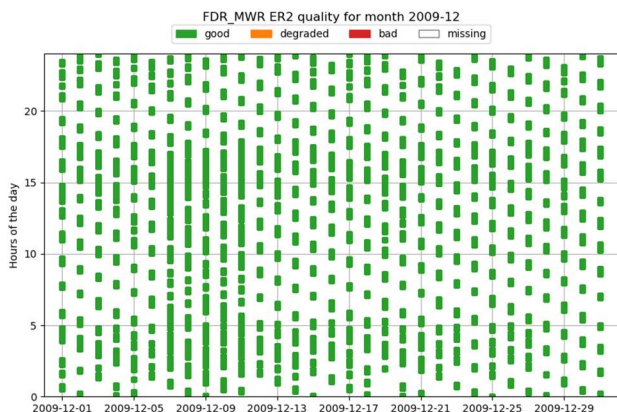
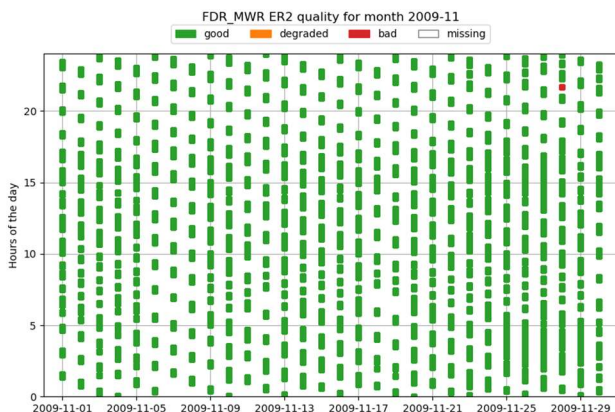
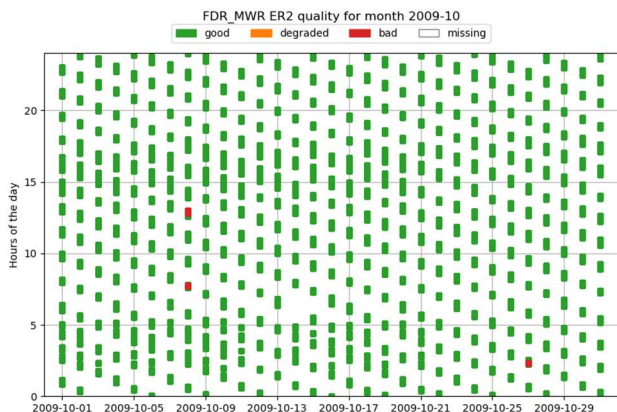
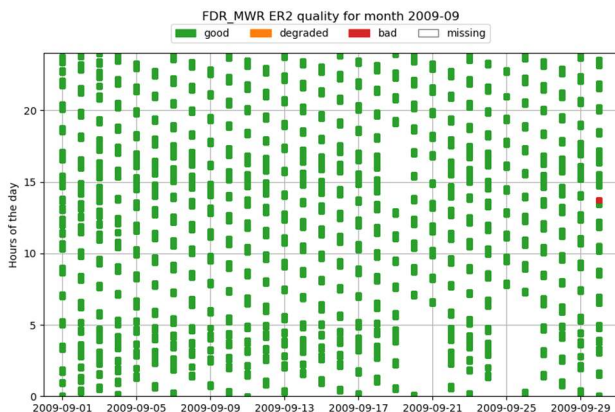
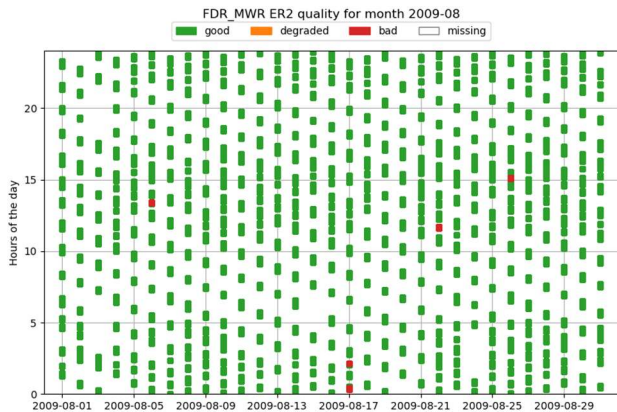
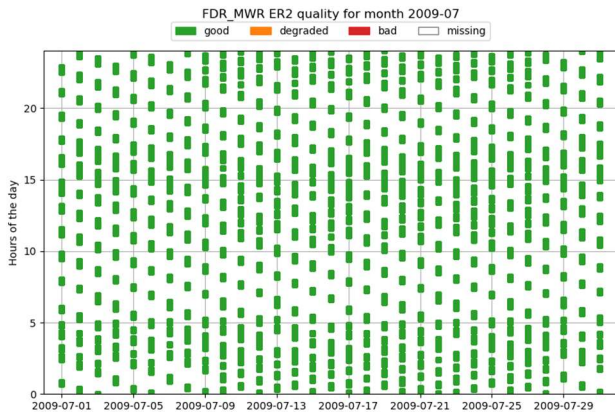
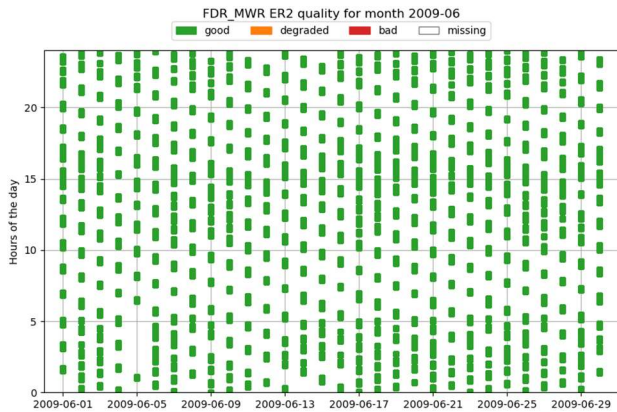
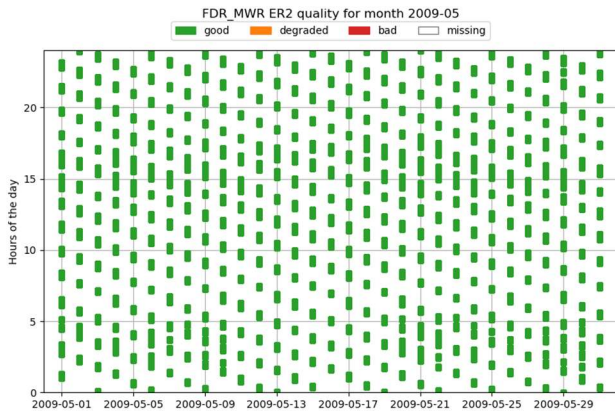
2.2.14 2008



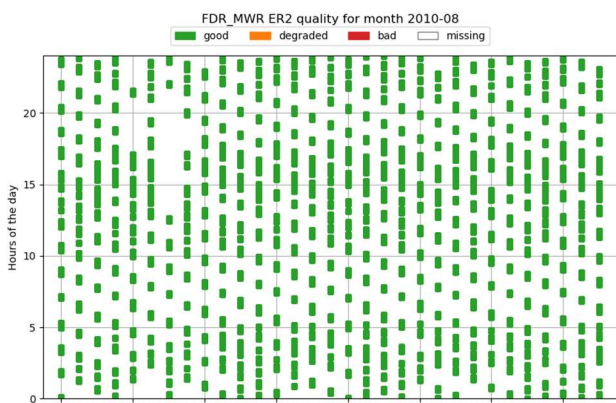
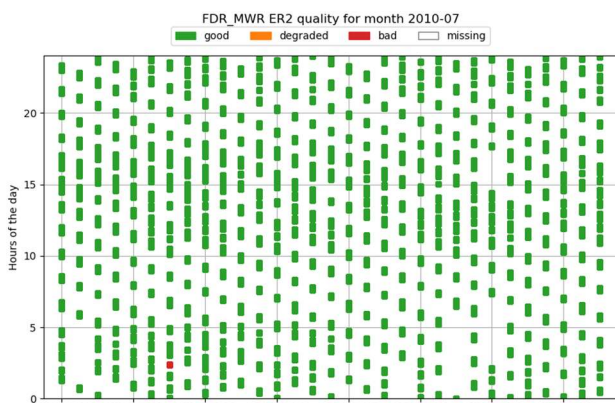
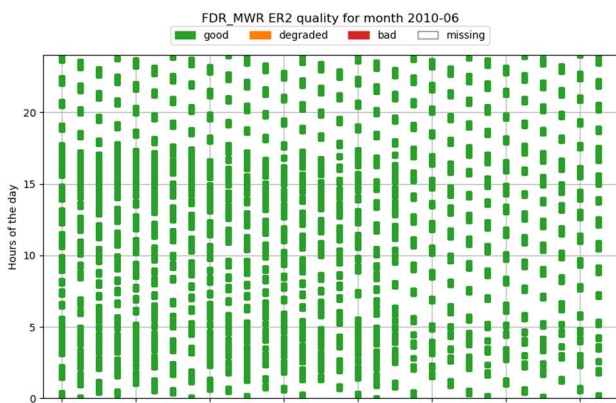
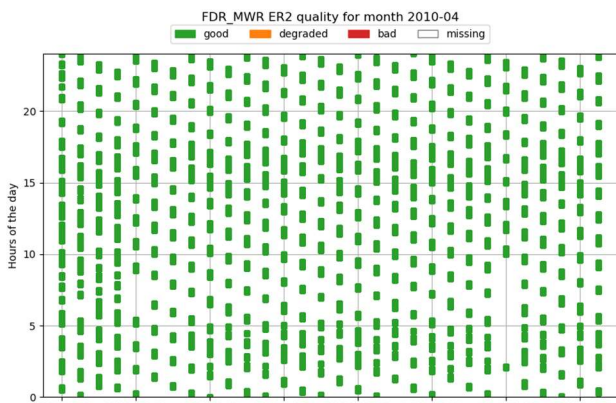
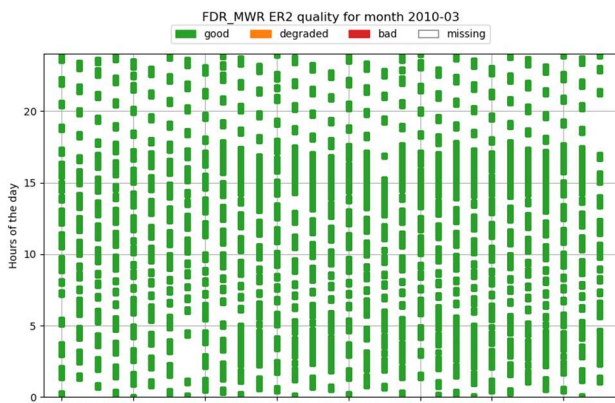
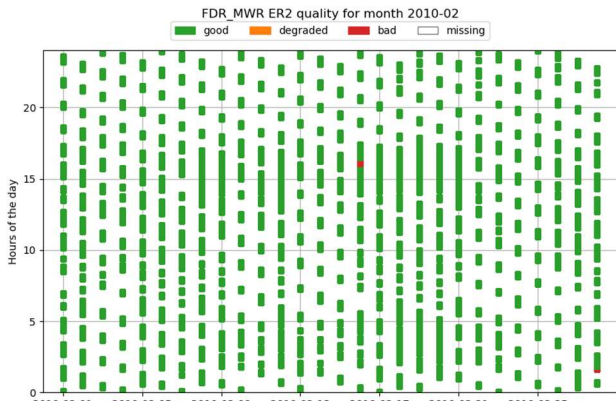
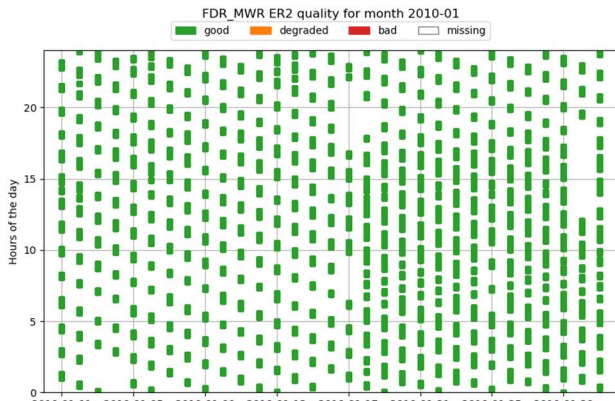


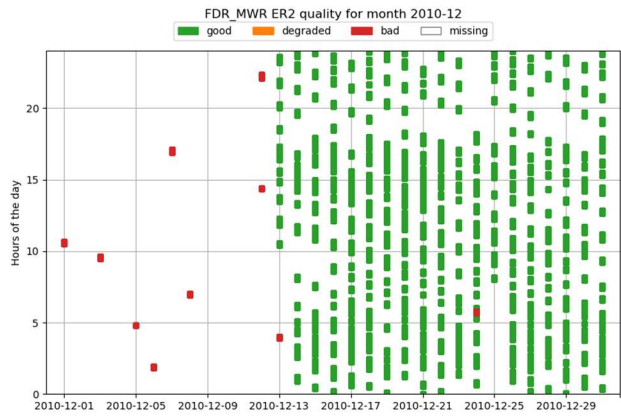
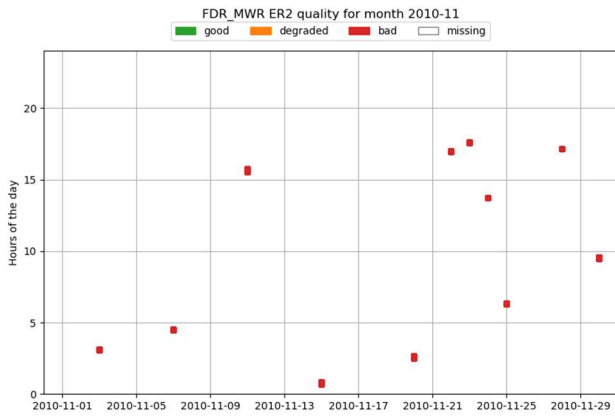
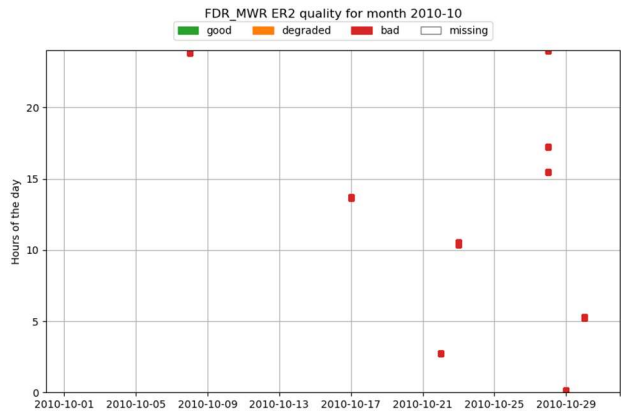
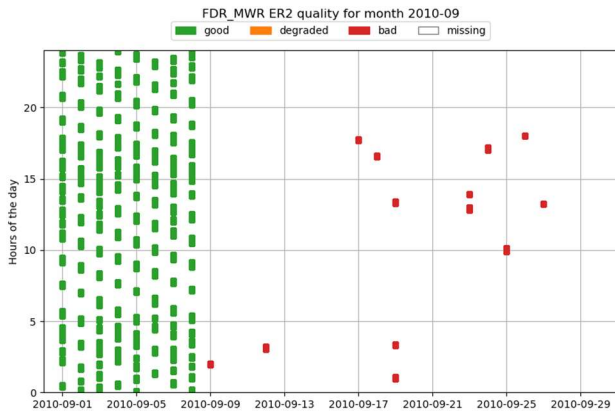
2.2.15 2009





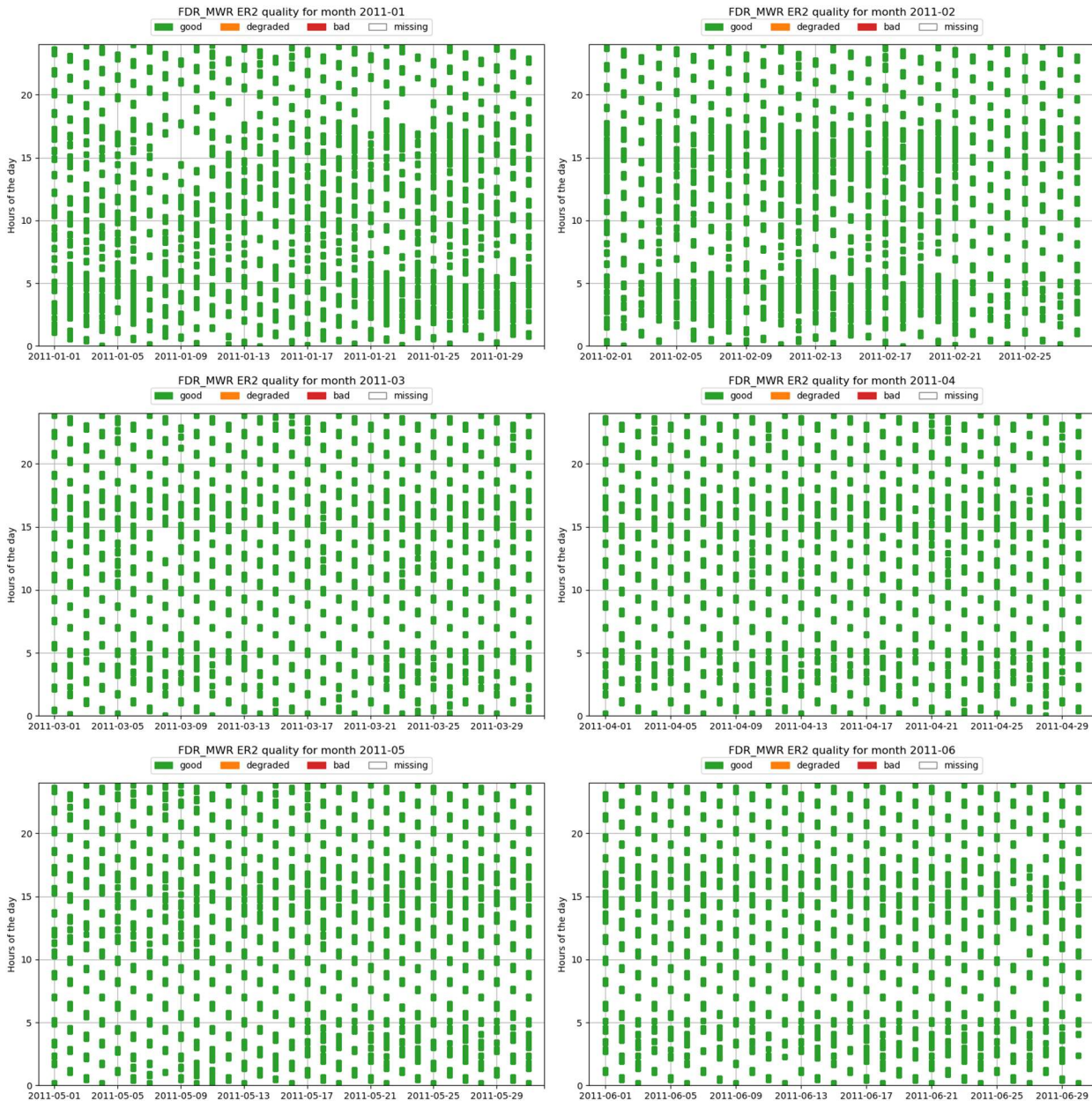
2.2.16 2010





2.2.17 2011





2.2.17.1 Unavailability reasons

When a whole FDR file is missing, a correspondence has been established with instrumental anomalies, following the list of mission events from EMIR obtained from ESA [S. Casadio and S. Pinori, pers. communication]. 1424 missing files cannot be explained by instrumental anomalies. For clarity sake, the list of unavailabilities per file is only provided until tape recorder failure. After this event, the fragmentation of the data is such that there are many missing files and it becomes difficult to differentiate instrumental event from expected data gaps due to ground station visibility.

Cycle	Pass	Start date	End date	Reason for unavailability
0	489	1995-04-27T23:10	1995-04-28T00:00	unexplained missing telemetry
0	490	1995-04-28T00:00	1995-04-28T00:51	unexplained missing telemetry
0	491	1995-04-28T00:51	1995-04-28T01:41	unexplained missing telemetry
0	492	1995-04-28T01:41	1995-04-28T02:31	unexplained missing telemetry
0	493	1995-04-28T02:31	1995-04-28T03:22	unexplained missing telemetry
0	494	1995-04-28T03:22	1995-04-28T04:12	unexplained missing telemetry



0	495	1995-04-28T04:12	1995-04-28T05:02	unexplained missing telemetry
0	496	1995-04-28T05:02	1995-04-28T05:52	unexplained missing telemetry
0	516	1995-04-28T21:48	1995-04-28T22:38	unexplained missing telemetry
0	517	1995-04-28T22:38	1995-04-28T23:29	unexplained missing telemetry
0	518	1995-04-28T23:29	1995-04-29T00:19	unexplained missing telemetry
0	519	1995-04-29T00:19	1995-04-29T01:09	unexplained missing telemetry
0	520	1995-04-29T01:09	1995-04-29T02:00	unexplained missing telemetry
0	521	1995-04-29T02:00	1995-04-29T02:50	unexplained missing telemetry
0	522	1995-04-29T02:50	1995-04-29T03:40	unexplained missing telemetry
0	523	1995-04-29T03:40	1995-04-29T04:31	unexplained missing telemetry
0	524	1995-04-29T04:31	1995-04-29T05:21	unexplained missing telemetry
0	545	1995-04-29T22:07	1995-04-29T22:57	unexplained missing telemetry
0	546	1995-04-29T22:57	1995-04-29T23:47	unexplained missing telemetry
0	547	1995-04-29T23:47	1995-04-30T00:38	unexplained missing telemetry
0	548	1995-04-30T00:38	1995-04-30T01:28	unexplained missing telemetry
0	549	1995-04-30T01:28	1995-04-30T02:18	unexplained missing telemetry
0	550	1995-04-30T02:18	1995-04-30T03:09	unexplained missing telemetry
0	551	1995-04-30T03:09	1995-04-30T03:59	unexplained missing telemetry
0	552	1995-04-30T03:59	1995-04-30T04:49	unexplained missing telemetry
0	553	1995-04-30T04:49	1995-04-30T05:40	unexplained missing telemetry
0	554	1995-04-30T05:40	1995-04-30T06:30	unexplained missing telemetry
0	555	1995-04-30T06:30	1995-04-30T07:20	unexplained missing telemetry
0	556	1995-04-30T07:20	1995-04-30T08:10	unexplained missing telemetry
0	557	1995-04-30T08:10	1995-04-30T09:01	unexplained missing telemetry
0	574	1995-04-30T22:26	1995-04-30T23:16	unexplained missing telemetry
0	575	1995-04-30T23:16	1995-05-01T00:06	unexplained missing telemetry
0	576	1995-05-01T00:06	1995-05-01T00:56	unexplained missing telemetry
0	577	1995-05-01T00:56	1995-05-01T01:47	unexplained missing telemetry
0	578	1995-05-01T01:47	1995-05-01T02:37	unexplained missing telemetry
0	579	1995-05-01T02:37	1995-05-01T03:27	unexplained missing telemetry
0	580	1995-05-01T03:27	1995-05-01T04:18	unexplained missing telemetry
0	718	1995-05-05T23:09	1995-05-05T23:59	unexplained missing telemetry
0	719	1995-05-05T23:59	1995-05-06T00:49	unexplained missing telemetry
0	720	1995-05-06T00:49	1995-05-06T01:40	unexplained missing telemetry
0	721	1995-05-06T01:40	1995-05-06T02:30	unexplained missing telemetry
0	722	1995-05-06T02:30	1995-05-06T03:20	unexplained missing telemetry
0	723	1995-05-06T03:20	1995-05-06T04:10	unexplained missing telemetry
0	724	1995-05-06T04:10	1995-05-06T05:01	unexplained missing telemetry
0	746	1995-05-06T22:37	1995-05-06T23:27	unexplained missing telemetry
0	754	1995-05-07T05:19	1995-05-07T06:10	unexplained missing telemetry
0	755	1995-05-07T06:10	1995-05-07T07:00	unexplained missing telemetry
0	756	1995-05-07T07:00	1995-05-07T07:50	unexplained missing telemetry
0	757	1995-05-07T07:50	1995-05-07T08:41	unexplained missing telemetry
0	758	1995-05-07T08:41	1995-05-07T09:31	unexplained missing telemetry
0	759	1995-05-07T09:31	1995-05-07T10:21	unexplained missing telemetry
0	760	1995-05-07T10:21	1995-05-07T11:11	unexplained missing telemetry
0	761	1995-05-07T11:11	1995-05-07T12:02	unexplained missing telemetry
0	762	1995-05-07T12:02	1995-05-07T12:52	unexplained missing telemetry

0	763	1995-05-07T12:52	1995-05-07T13:42	unexplained missing telemetry
0	764	1995-05-07T13:42	1995-05-07T14:33	unexplained missing telemetry
0	765	1995-05-07T14:33	1995-05-07T15:23	unexplained missing telemetry
0	766	1995-05-07T15:23	1995-05-07T16:13	unexplained missing telemetry
0	767	1995-05-07T16:13	1995-05-07T17:04	unexplained missing telemetry
0	768	1995-05-07T17:04	1995-05-07T17:54	unexplained missing telemetry
0	769	1995-05-07T17:54	1995-05-07T18:44	unexplained missing telemetry
0	770	1995-05-07T18:44	1995-05-07T19:34	unexplained missing telemetry
0	771	1995-05-07T19:34	1995-05-07T20:25	unexplained missing telemetry
0	772	1995-05-07T20:25	1995-05-07T21:15	unexplained missing telemetry
0	773	1995-05-07T21:15	1995-05-07T22:05	unexplained missing telemetry
0	846	1995-05-10T10:27	1995-05-10T11:17	unexplained missing telemetry
0	847	1995-05-10T11:17	1995-05-10T12:08	unexplained missing telemetry
0	848	1995-05-10T12:08	1995-05-10T12:58	unexplained missing telemetry
0	849	1995-05-10T12:58	1995-05-10T13:48	unexplained missing telemetry
0	850	1995-05-10T13:48	1995-05-10T14:38	unexplained missing telemetry
0	851	1995-05-10T14:38	1995-05-10T15:29	unexplained missing telemetry
0	852	1995-05-10T15:29	1995-05-10T16:19	unexplained missing telemetry
0	853	1995-05-10T16:19	1995-05-10T17:09	unexplained missing telemetry
0	854	1995-05-10T17:09	1995-05-10T18:00	unexplained missing telemetry
0	855	1995-05-10T18:00	1995-05-10T18:50	unexplained missing telemetry
0	979	1995-05-15T01:57	1995-05-15T02:47	IDHT unavailable
0	980	1995-05-15T02:47	1995-05-15T03:37	IDHT unavailable
0	981	1995-05-15T03:37	1995-05-15T04:28	IDHT unavailable
0	982	1995-05-15T04:28	1995-05-15T05:18	IDHT unavailable
0	983	1995-05-15T05:18	1995-05-15T06:08	IDHT unavailable
0	984	1995-05-15T06:08	1995-05-15T06:59	IDHT unavailable
0	985	1995-05-15T06:59	1995-05-15T07:49	IDHT unavailable
0	986	1995-05-15T07:49	1995-05-15T08:39	IDHT unavailable
0	987	1995-05-15T08:39	1995-05-15T09:29	IDHT unavailable
1	77	1995-05-18T13:47	1995-05-18T14:37	unexplained missing telemetry
1	124	1995-05-20T05:11	1995-05-20T06:01	unexplained missing telemetry
1	125	1995-05-20T06:01	1995-05-20T06:51	unexplained missing telemetry
1	126	1995-05-20T06:51	1995-05-20T07:42	IDHT in MCMD Refuse mode
1	127	1995-05-20T07:42	1995-05-20T08:32	IDHT in MCMD Refuse mode
1	128	1995-05-20T08:32	1995-05-20T09:22	IDHT in MCMD Refuse mode
1	129	1995-05-20T09:22	1995-05-20T10:13	IDHT in MCMD Refuse mode
1	148	1995-05-21T01:18	1995-05-21T02:08	IDHT in MCMD Refuse mode
1	149	1995-05-21T02:08	1995-05-21T02:59	IDHT in MCMD Refuse mode
1	150	1995-05-21T02:59	1995-05-21T03:49	IDHT in MCMD Refuse mode
1	151	1995-05-21T03:49	1995-05-21T04:39	IDHT in MCMD Refuse mode
1	152	1995-05-21T04:39	1995-05-21T05:29	IDHT in MCMD Refuse mode
1	153	1995-05-21T05:29	1995-05-21T06:20	IDHT in MCMD Refuse mode
1	154	1995-05-21T06:20	1995-05-21T07:10	IDHT in MCMD Refuse mode
1	155	1995-05-21T07:10	1995-05-21T08:00	IDHT in MCMD Refuse mode
1	174	1995-05-21T23:06	1995-05-21T23:56	unexplained missing telemetry
1	234	1995-05-24T01:24	1995-05-24T02:14	IDHT in MCMD Refuse mode
1	235	1995-05-24T02:14	1995-05-24T03:04	IDHT in MCMD Refuse mode

1	236	1995-05-24T03:04	1995-05-24T03:55	IDHT in MCMD Refuse mode
1	237	1995-05-24T03:55	1995-05-24T04:45	IDHT in MCMD Refuse mode
1	238	1995-05-24T04:45	1995-05-24T05:35	IDHT in MCMD Refuse mode
1	239	1995-05-24T05:35	1995-05-24T06:26	IDHT in MCMD Refuse mode
1	240	1995-05-24T06:26	1995-05-24T07:16	IDHT in MCMD Refuse mode
1	241	1995-05-24T07:16	1995-05-24T08:06	IDHT in MCMD Refuse mode
1	526	1995-06-03T06:11	1995-06-03T07:01	unexplained missing telemetry
1	527	1995-06-03T07:01	1995-06-03T07:52	unexplained missing telemetry
1	529	1995-06-03T08:42	1995-06-03T09:32	IDHT in MCMD Refuse mode
1	612	1995-06-06T06:17	1995-06-06T07:07	unexplained missing telemetry
1	613	1995-06-06T07:07	1995-06-06T07:57	unexplained missing telemetry
1	615	1995-06-06T08:48	1995-06-06T09:38	IDHT in MCMD Refuse mode
1	616	1995-06-06T09:38	1995-06-06T10:28	IDHT in MCMD Refuse mode
1	617	1995-06-06T10:28	1995-06-06T11:19	IDHT in MCMD Refuse mode
2	337	1995-07-01T15:45	1995-07-01T16:35	unexplained missing telemetry
2	449	1995-07-05T13:38	1995-07-05T14:28	IDHT in MCMD Refuse mode
2	595	1995-07-10T16:02	1995-07-10T16:52	unexplained missing telemetry
2	748	1995-07-16T00:18	1995-07-16T01:08	unexplained missing telemetry
3	92	1995-07-28T02:21	1995-07-28T03:11	unexplained missing telemetry
3	105	1995-07-28T13:15	1995-07-28T14:05	unexplained missing telemetry
3	120	1995-07-29T01:50	1995-07-29T02:40	unexplained missing telemetry
3	320	1995-08-05T01:29	1995-08-05T02:20	unexplained missing telemetry
3	374	1995-08-06T22:46	1995-08-06T23:36	unexplained missing telemetry
3	451	1995-08-09T15:19	1995-08-09T16:09	Emergency switch-down resulting in PL-STANDBY
3	452	1995-08-09T16:09	1995-08-09T16:59	Emergency switch-down resulting in PL-STANDBY
3	453	1995-08-09T16:59	1995-08-09T17:50	Emergency switch-down resulting in PL-STANDBY
3	454	1995-08-09T17:50	1995-08-09T18:40	Emergency switch-down resulting in PL-STANDBY
4	221	1995-09-05T14:30	1995-09-05T15:20	unexplained missing telemetry
4	505	1995-09-15T12:35	1995-09-15T13:25	unexplained missing telemetry
4	506	1995-09-15T13:25	1995-09-15T14:15	unexplained missing telemetry
4	507	1995-09-15T14:15	1995-09-15T15:06	unexplained missing telemetry
4	508	1995-09-15T15:06	1995-09-15T15:56	unexplained missing telemetry
4	509	1995-09-15T15:56	1995-09-15T16:46	unexplained missing telemetry
4	510	1995-09-15T16:46	1995-09-15T17:37	unexplained missing telemetry
4	511	1995-09-15T17:37	1995-09-15T18:27	unexplained missing telemetry
4	604	1995-09-18T23:34	1995-09-19T00:25	unexplained missing telemetry
4	722	1995-09-23T02:30	1995-09-23T03:20	unexplained missing telemetry
4	750	1995-09-24T01:58	1995-09-24T02:48	unexplained missing telemetry
4	751	1995-09-24T02:48	1995-09-24T03:39	IDHT in standby mode
4	752	1995-09-24T03:39	1995-09-24T04:29	IDHT in standby mode
4	753	1995-09-24T04:29	1995-09-24T05:19	IDHT in standby mode
4	754	1995-09-24T05:19	1995-09-24T06:10	IDHT in standby mode
4	755	1995-09-24T06:10	1995-09-24T07:00	IDHT in standby mode
4	756	1995-09-24T07:00	1995-09-24T07:50	IDHT in standby mode
4	757	1995-09-24T07:50	1995-09-24T08:41	IDHT in standby mode
4	758	1995-09-24T08:41	1995-09-24T09:31	IDHT in standby mode
4	759	1995-09-24T09:31	1995-09-24T10:21	IDHT in standby mode
4	901	1995-09-29T08:33	1995-09-29T09:24	unexplained missing telemetry

4	929	1995-09-30T08:02	1995-09-30T08:52	unexplained missing telemetry
4	937	1995-09-30T14:44	1995-09-30T15:34	unexplained missing telemetry
4	952	1995-10-01T03:19	1995-10-01T04:09	unexplained missing telemetry
5	518	1995-10-20T23:29	1995-10-21T00:19	unexplained missing telemetry
5	519	1995-10-21T00:19	1995-10-21T01:09	unexplained missing telemetry
5	520	1995-10-21T01:09	1995-10-21T02:00	unexplained missing telemetry
5	521	1995-10-21T02:00	1995-10-21T02:50	unexplained missing telemetry
5	522	1995-10-21T02:50	1995-10-21T03:40	unexplained missing telemetry
6	118	1995-11-11T00:09	1995-11-11T00:59	unexplained missing telemetry
6	119	1995-11-11T00:59	1995-11-11T01:50	unexplained missing telemetry
6	120	1995-11-11T01:50	1995-11-11T02:40	unexplained missing telemetry
6	511	1995-11-24T17:37	1995-11-24T18:27	unexplained missing telemetry
7	94	1995-12-15T04:02	1995-12-15T04:52	unexplained missing telemetry
7	290	1995-12-22T00:20	1995-12-22T01:11	unexplained missing telemetry
7	298	1995-12-22T07:03	1995-12-22T07:53	unexplained missing telemetry
7	299	1995-12-22T07:53	1995-12-22T08:43	unexplained missing telemetry
7	300	1995-12-22T08:43	1995-12-22T09:34	unexplained missing telemetry
7	301	1995-12-22T09:34	1995-12-22T10:24	unexplained missing telemetry
7	302	1995-12-22T10:24	1995-12-22T11:14	unexplained missing telemetry
7	303	1995-12-22T11:14	1995-12-22T12:05	unexplained missing telemetry
7	304	1995-12-22T12:05	1995-12-22T12:55	unexplained missing telemetry
7	305	1995-12-22T12:55	1995-12-22T13:45	unexplained missing telemetry
7	306	1995-12-22T13:45	1995-12-22T14:36	unexplained missing telemetry
7	307	1995-12-22T14:36	1995-12-22T15:26	unexplained missing telemetry
7	308	1995-12-22T15:26	1995-12-22T16:16	unexplained missing telemetry
7	309	1995-12-22T16:16	1995-12-22T17:06	unexplained missing telemetry
7	310	1995-12-22T17:06	1995-12-22T17:57	unexplained missing telemetry
7	311	1995-12-22T17:57	1995-12-22T18:47	unexplained missing telemetry
7	752	1996-01-07T03:39	1996-01-07T04:29	unexplained missing telemetry
7	834	1996-01-10T00:23	1996-01-10T01:14	unexplained missing telemetry
7	920	1996-01-13T00:29	1996-01-13T01:19	unexplained missing telemetry
8	60	1996-01-17T23:32	1996-01-18T00:22	unexplained missing telemetry
8	75	1996-01-18T12:06	1996-01-18T12:56	IDHT unavailable
8	76	1996-01-18T12:56	1996-01-18T13:47	IDHT unavailable
8	77	1996-01-18T13:47	1996-01-18T14:37	IDHT unavailable
8	78	1996-01-18T14:37	1996-01-18T15:27	IDHT unavailable
8	79	1996-01-18T15:27	1996-01-18T16:18	IDHT unavailable
8	244	1996-01-24T09:47	1996-01-24T10:37	payload off due to PL-SOL
8	245	1996-01-24T10:37	1996-01-24T11:27	payload off due to PL-SOL
8	246	1996-01-24T11:27	1996-01-24T12:18	payload off due to PL-SOL
8	247	1996-01-24T12:18	1996-01-24T13:08	payload off due to PL-SOL
8	248	1996-01-24T13:08	1996-01-24T13:58	payload off due to PL-SOL
8	249	1996-01-24T13:58	1996-01-24T14:48	payload off due to PL-SOL
8	250	1996-01-24T14:48	1996-01-24T15:39	payload off due to PL-SOL
8	251	1996-01-24T15:39	1996-01-24T16:29	payload off due to PL-SOL
8	252	1996-01-24T16:29	1996-01-24T17:19	payload off due to PL-SOL
8	253	1996-01-24T17:19	1996-01-24T18:10	payload off due to PL-SOL
8	254	1996-01-24T18:10	1996-01-24T19:00	payload off due to PL-SOL

8	255	1996-01-24T19:00	1996-01-24T19:50	payload off due to PL-SOL
8	256	1996-01-24T19:50	1996-01-24T20:41	payload off due to PL-SOL
8	257	1996-01-24T20:41	1996-01-24T21:31	payload off due to PL-SOL
8	258	1996-01-24T21:31	1996-01-24T22:21	payload off due to PL-SOL
8	259	1996-01-24T22:21	1996-01-24T23:11	payload off due to PL-SOL
8	260	1996-01-24T23:11	1996-01-25T00:02	payload off due to PL-SOL
8	261	1996-01-25T00:02	1996-01-25T00:52	payload off due to PL-SOL
8	262	1996-01-25T00:52	1996-01-25T01:42	payload off due to PL-SOL
8	263	1996-01-25T01:42	1996-01-25T02:33	payload off due to PL-SOL
8	264	1996-01-25T02:33	1996-01-25T03:23	payload off due to PL-SOL
8	265	1996-01-25T03:23	1996-01-25T04:13	payload off due to PL-SOL
8	266	1996-01-25T04:13	1996-01-25T05:04	payload off due to PL-SOL
8	267	1996-01-25T05:04	1996-01-25T05:54	payload off due to PL-SOL
8	268	1996-01-25T05:54	1996-01-25T06:44	payload off due to PL-SOL
8	269	1996-01-25T06:44	1996-01-25T07:34	payload off due to PL-SOL
8	270	1996-01-25T07:34	1996-01-25T08:25	payload off due to PL-SOL
8	271	1996-01-25T08:25	1996-01-25T09:15	payload off due to PL-SOL
8	272	1996-01-25T09:15	1996-01-25T10:05	payload off due to PL-SOL
8	273	1996-01-25T10:05	1996-01-25T10:56	payload off due to PL-SOL
8	274	1996-01-25T10:56	1996-01-25T11:46	payload off due to PL-SOL
8	275	1996-01-25T11:46	1996-01-25T12:36	payload off due to PL-SOL
8	276	1996-01-25T12:36	1996-01-25T13:27	payload off due to PL-SOL
8	277	1996-01-25T13:27	1996-01-25T14:17	payload off due to PL-SOL
8	278	1996-01-25T14:17	1996-01-25T15:07	payload off due to PL-SOL
8	279	1996-01-25T15:07	1996-01-25T15:57	payload off due to PL-SOL
8	280	1996-01-25T15:57	1996-01-25T16:48	payload off due to PL-SOL
8	281	1996-01-25T16:48	1996-01-25T17:38	payload off due to PL-SOL
8	282	1996-01-25T17:38	1996-01-25T18:28	payload off due to PL-SOL
8	283	1996-01-25T18:28	1996-01-25T19:19	payload off due to PL-SOL
8	284	1996-01-25T19:19	1996-01-25T20:09	payload off due to PL-SOL
8	285	1996-01-25T20:09	1996-01-25T20:59	payload off due to PL-SOL
8	286	1996-01-25T20:59	1996-01-25T21:50	payload off due to PL-SOL
8	287	1996-01-25T21:50	1996-01-25T22:40	payload off due to PL-SOL
8	288	1996-01-25T22:40	1996-01-25T23:30	payload off due to PL-SOL
8	289	1996-01-25T23:30	1996-01-26T00:20	payload off due to PL-SOL
8	290	1996-01-26T00:20	1996-01-26T01:11	payload off due to PL-SOL
8	291	1996-01-26T01:11	1996-01-26T02:01	payload off due to PL-SOL
8	292	1996-01-26T02:01	1996-01-26T02:51	payload off due to PL-SOL
8	293	1996-01-26T02:51	1996-01-26T03:42	payload off due to PL-SOL
8	294	1996-01-26T03:42	1996-01-26T04:32	payload off due to PL-SOL
8	295	1996-01-26T04:32	1996-01-26T05:22	payload off due to PL-SOL
8	296	1996-01-26T05:22	1996-01-26T06:13	payload off due to PL-SOL
8	297	1996-01-26T06:13	1996-01-26T07:03	payload off due to PL-SOL
8	298	1996-01-26T07:03	1996-01-26T07:53	payload off due to PL-SOL
8	299	1996-01-26T07:53	1996-01-26T08:43	payload off due to PL-SOL
8	300	1996-01-26T08:43	1996-01-26T09:34	payload off due to PL-SOL
8	301	1996-01-26T09:34	1996-01-26T10:24	payload off due to PL-SOL
8	302	1996-01-26T10:24	1996-01-26T11:14	payload off due to PL-SOL

8	303	1996-01-26T11:14	1996-01-26T12:05	payload off due to PL-SOL
8	304	1996-01-26T12:05	1996-01-26T12:55	payload off due to PL-SOL
8	305	1996-01-26T12:55	1996-01-26T13:45	payload off due to PL-SOL
8	306	1996-01-26T13:45	1996-01-26T14:36	payload off due to PL-SOL
8	307	1996-01-26T14:36	1996-01-26T15:26	payload off due to PL-SOL
8	308	1996-01-26T15:26	1996-01-26T16:16	payload off due to PL-SOL
8	309	1996-01-26T16:16	1996-01-26T17:06	payload off due to PL-SOL
8	310	1996-01-26T17:06	1996-01-26T17:57	payload off due to PL-SOL
8	311	1996-01-26T17:57	1996-01-26T18:47	payload off due to PL-SOL
8	312	1996-01-26T18:47	1996-01-26T19:37	payload off due to PL-SOL
8	313	1996-01-26T19:37	1996-01-26T20:28	payload off due to PL-SOL
8	314	1996-01-26T20:28	1996-01-26T21:18	payload off due to PL-SOL
8	315	1996-01-26T21:18	1996-01-26T22:08	payload off due to PL-SOL
8	316	1996-01-26T22:08	1996-01-26T22:59	payload off due to PL-SOL
8	317	1996-01-26T22:59	1996-01-26T23:49	payload off due to PL-SOL
8	318	1996-01-26T23:49	1996-01-27T00:39	payload off due to PL-SOL
8	319	1996-01-27T00:39	1996-01-27T01:29	payload off due to PL-SOL
8	320	1996-01-27T01:29	1996-01-27T02:20	payload off due to PL-SOL
8	321	1996-01-27T02:20	1996-01-27T03:10	payload off due to PL-SOL
8	322	1996-01-27T03:10	1996-01-27T04:00	payload off due to PL-SOL
8	323	1996-01-27T04:00	1996-01-27T04:51	payload off due to PL-SOL
8	324	1996-01-27T04:51	1996-01-27T05:41	payload off due to PL-SOL
8	325	1996-01-27T05:41	1996-01-27T06:31	payload off due to PL-SOL
8	326	1996-01-27T06:31	1996-01-27T07:22	payload off due to PL-SOL
8	327	1996-01-27T07:22	1996-01-27T08:12	payload off due to PL-SOL
8	328	1996-01-27T08:12	1996-01-27T09:02	payload off due to PL-SOL
8	329	1996-01-27T09:02	1996-01-27T09:52	payload off due to PL-SOL
8	330	1996-01-27T09:52	1996-01-27T10:43	payload off due to PL-SOL
8	331	1996-01-27T10:43	1996-01-27T11:33	payload off due to PL-SOL
8	332	1996-01-27T11:33	1996-01-27T12:23	payload off due to PL-SOL
8	333	1996-01-27T12:23	1996-01-27T13:14	payload off due to PL-SOL
8	334	1996-01-27T13:14	1996-01-27T14:04	payload off due to PL-SOL
8	335	1996-01-27T14:04	1996-01-27T14:54	payload off due to PL-SOL
8	336	1996-01-27T14:54	1996-01-27T15:45	payload off due to PL-SOL
8	337	1996-01-27T15:45	1996-01-27T16:35	payload off due to PL-SOL
8	338	1996-01-27T16:35	1996-01-27T17:25	payload off due to PL-SOL
8	339	1996-01-27T17:25	1996-01-27T18:15	payload off due to PL-SOL
8	340	1996-01-27T18:15	1996-01-27T19:06	payload off due to PL-SOL
8	341	1996-01-27T19:06	1996-01-27T19:56	payload off due to PL-SOL
8	342	1996-01-27T19:56	1996-01-27T20:46	payload off due to PL-SOL
8	343	1996-01-27T20:46	1996-01-27T21:37	payload off due to PL-SOL
8	344	1996-01-27T21:37	1996-01-27T22:27	payload off due to PL-SOL
8	345	1996-01-27T22:27	1996-01-27T23:17	payload off due to PL-SOL
8	346	1996-01-27T23:17	1996-01-28T00:08	payload off due to PL-SOL
8	347	1996-01-28T00:08	1996-01-28T00:58	payload off due to PL-SOL
8	348	1996-01-28T00:58	1996-01-28T01:48	payload off due to PL-SOL
8	349	1996-01-28T01:48	1996-01-28T02:38	payload off due to PL-SOL
8	350	1996-01-28T02:38	1996-01-28T03:29	payload off due to PL-SOL

8	351	1996-01-28T03:29	1996-01-28T04:19	payload off due to PL-SOL
8	352	1996-01-28T04:19	1996-01-28T05:09	payload off due to PL-SOL
8	353	1996-01-28T05:09	1996-01-28T06:00	payload off due to PL-SOL
8	354	1996-01-28T06:00	1996-01-28T06:50	payload off due to PL-SOL
8	355	1996-01-28T06:50	1996-01-28T07:40	payload off due to PL-SOL
8	356	1996-01-28T07:40	1996-01-28T08:31	payload off due to PL-SOL
8	357	1996-01-28T08:31	1996-01-28T09:21	payload off due to PL-SOL
8	358	1996-01-28T09:21	1996-01-28T10:11	payload off due to PL-SOL
8	359	1996-01-28T10:11	1996-01-28T11:01	payload off due to PL-SOL
8	843	1996-02-14T07:56	1996-02-14T08:46	LBR playback data lost due to RA anomaly recovery
9	262	1996-02-29T00:52	1996-02-29T01:42	unexplained missing telemetry
9	548	1996-03-10T00:38	1996-03-10T01:28	unexplained missing telemetry
9	920	1996-03-23T00:29	1996-03-23T01:19	unexplained missing telemetry
9	950	1996-03-24T01:38	1996-03-24T02:28	unexplained missing telemetry
10	62	1996-03-28T01:12	1996-03-28T02:03	unexplained missing telemetry
10	64	1996-03-28T02:53	1996-03-28T03:43	unexplained missing telemetry
10	832	1996-04-23T22:43	1996-04-23T23:33	unexplained missing telemetry
11	77	1996-05-02T13:47	1996-05-02T14:37	unexplained missing telemetry
11	79	1996-05-02T15:27	1996-05-02T16:18	unexplained missing telemetry
11	245	1996-05-08T10:37	1996-05-08T11:27	unexplained missing telemetry
11	247	1996-05-08T12:18	1996-05-08T13:08	unexplained missing telemetry
11	249	1996-05-08T13:58	1996-05-08T14:48	unexplained missing telemetry
11	251	1996-05-08T15:39	1996-05-08T16:29	unexplained missing telemetry
11	273	1996-05-09T10:05	1996-05-09T10:56	unexplained missing telemetry
11	275	1996-05-09T11:46	1996-05-09T12:36	unexplained missing telemetry
11	277	1996-05-09T13:27	1996-05-09T14:17	unexplained missing telemetry
11	279	1996-05-09T15:07	1996-05-09T15:57	unexplained missing telemetry
11	297	1996-05-10T06:13	1996-05-10T07:03	unexplained missing telemetry
11	415	1996-05-14T09:08	1996-05-14T09:58	unexplained missing telemetry
11	417	1996-05-14T10:48	1996-05-14T11:39	unexplained missing telemetry
11	419	1996-05-14T12:29	1996-05-14T13:19	unexplained missing telemetry
11	421	1996-05-14T14:10	1996-05-14T15:00	unexplained missing telemetry
11	423	1996-05-14T15:50	1996-05-14T16:41	unexplained missing telemetry
11	443	1996-05-15T08:36	1996-05-15T09:27	unexplained missing telemetry
11	445	1996-05-15T10:17	1996-05-15T11:07	unexplained missing telemetry
11	451	1996-05-15T15:19	1996-05-15T16:09	unexplained missing telemetry
11	453	1996-05-15T16:59	1996-05-15T17:50	unexplained missing telemetry
11	587	1996-05-20T09:19	1996-05-20T10:10	unexplained missing telemetry
11	589	1996-05-20T11:00	1996-05-20T11:50	unexplained missing telemetry
11	591	1996-05-20T12:41	1996-05-20T13:31	unexplained missing telemetry
11	593	1996-05-20T14:21	1996-05-20T15:11	unexplained missing telemetry
11	595	1996-05-20T16:02	1996-05-20T16:52	unexplained missing telemetry
11	597	1996-05-20T17:42	1996-05-20T18:33	unexplained missing telemetry
11	599	1996-05-20T19:23	1996-05-20T20:13	unexplained missing telemetry
11	601	1996-05-20T21:04	1996-05-20T21:54	unexplained missing telemetry
11	613	1996-05-21T07:07	1996-05-21T07:57	unexplained missing telemetry
11	615	1996-05-21T08:48	1996-05-21T09:38	unexplained missing telemetry
11	617	1996-05-21T10:28	1996-05-21T11:19	unexplained missing telemetry

11	619	1996-05-21T12:09	1996-05-21T12:59	unexplained missing telemetry
11	620	1996-05-21T12:59	1996-05-21T13:50	ATSR emergency switch-down
11	621	1996-05-21T13:50	1996-05-21T14:40	ATSR emergency switch-down
11	622	1996-05-21T14:40	1996-05-21T15:30	ATSR emergency switch-down
11	623	1996-05-21T15:30	1996-05-21T16:20	ATSR emergency switch-down
11	624	1996-05-21T16:20	1996-05-21T17:11	ATSR emergency switch-down
11	625	1996-05-21T17:11	1996-05-21T18:01	ATSR emergency switch-down
11	626	1996-05-21T18:01	1996-05-21T18:51	ATSR emergency switch-down
11	627	1996-05-21T18:51	1996-05-21T19:42	ATSR emergency switch-down
11	628	1996-05-21T19:42	1996-05-21T20:32	ATSR emergency switch-down
11	629	1996-05-21T20:32	1996-05-21T21:22	ATSR emergency switch-down
11	630	1996-05-21T21:22	1996-05-21T22:13	ATSR emergency switch-down
11	631	1996-05-21T22:13	1996-05-21T23:03	ATSR emergency switch-down
11	632	1996-05-21T23:03	1996-05-21T23:53	ATSR emergency switch-down
11	633	1996-05-21T23:53	1996-05-22T00:43	ATSR emergency switch-down
11	634	1996-05-22T00:43	1996-05-22T01:34	ATSR emergency switch-down
11	635	1996-05-22T01:34	1996-05-22T02:24	ATSR emergency switch-down
11	636	1996-05-22T02:24	1996-05-22T03:14	ATSR emergency switch-down
11	637	1996-05-22T03:14	1996-05-22T04:05	ATSR emergency switch-down
11	638	1996-05-22T04:05	1996-05-22T04:55	ATSR emergency switch-down
11	639	1996-05-22T04:55	1996-05-22T05:45	ATSR emergency switch-down
11	640	1996-05-22T05:45	1996-05-22T06:36	ATSR emergency switch-down
11	641	1996-05-22T06:36	1996-05-22T07:26	ATSR emergency switch-down
11	642	1996-05-22T07:26	1996-05-22T08:16	ATSR emergency switch-down
11	643	1996-05-22T08:16	1996-05-22T09:06	ATSR emergency switch-down
11	644	1996-05-22T09:06	1996-05-22T09:57	ATSR emergency switch-down
11	645	1996-05-22T09:57	1996-05-22T10:47	ATSR emergency switch-down
11	655	1996-05-22T18:20	1996-05-22T19:10	unexplained missing telemetry
11	657	1996-05-22T20:00	1996-05-22T20:51	unexplained missing telemetry
11	669	1996-05-23T06:04	1996-05-23T06:54	unexplained missing telemetry
11	671	1996-05-23T07:45	1996-05-23T08:35	unexplained missing telemetry
11	673	1996-05-23T09:25	1996-05-23T10:15	unexplained missing telemetry
11	675	1996-05-23T11:06	1996-05-23T11:56	unexplained missing telemetry
11	677	1996-05-23T12:46	1996-05-23T13:37	unexplained missing telemetry
11	679	1996-05-23T14:27	1996-05-23T15:17	unexplained missing telemetry
11	681	1996-05-23T16:08	1996-05-23T16:58	unexplained missing telemetry
11	683	1996-05-23T17:48	1996-05-23T18:38	unexplained missing telemetry
11	685	1996-05-23T19:29	1996-05-23T20:19	unexplained missing telemetry
11	687	1996-05-23T21:09	1996-05-23T22:00	unexplained missing telemetry
11	699	1996-05-24T07:13	1996-05-24T08:03	unexplained missing telemetry
11	701	1996-05-24T08:54	1996-05-24T09:44	unexplained missing telemetry
11	703	1996-05-24T10:34	1996-05-24T11:24	unexplained missing telemetry
11	705	1996-05-24T12:15	1996-05-24T13:05	unexplained missing telemetry
11	707	1996-05-24T13:55	1996-05-24T14:46	unexplained missing telemetry
11	709	1996-05-24T15:36	1996-05-24T16:26	unexplained missing telemetry
11	711	1996-05-24T17:17	1996-05-24T18:07	unexplained missing telemetry
11	713	1996-05-24T18:57	1996-05-24T19:47	unexplained missing telemetry
11	715	1996-05-24T20:38	1996-05-24T21:28	unexplained missing telemetry

11	733	1996-05-25T11:43	1996-05-25T12:33	unexplained missing telemetry
11	825	1996-05-28T16:51	1996-05-28T17:41	unexplained missing telemetry
11	827	1996-05-28T18:31	1996-05-28T19:22	unexplained missing telemetry
11	829	1996-05-28T20:12	1996-05-28T21:02	unexplained missing telemetry
11	841	1996-05-29T06:15	1996-05-29T07:06	unexplained missing telemetry
11	843	1996-05-29T07:56	1996-05-29T08:46	unexplained missing telemetry
11	845	1996-05-29T09:37	1996-05-29T10:27	unexplained missing telemetry
11	847	1996-05-29T11:17	1996-05-29T12:08	unexplained missing telemetry
11	849	1996-05-29T12:58	1996-05-29T13:48	unexplained missing telemetry
11	871	1996-05-30T07:24	1996-05-30T08:15	unexplained missing telemetry
11	909	1996-05-31T15:16	1996-05-31T16:06	unexplained missing telemetry
11	912	1996-05-31T17:47	1996-05-31T18:37	PL-STANDBY during RA recovery
11	913	1996-05-31T18:37	1996-05-31T19:27	PL-STANDBY during RA recovery
11	914	1996-05-31T19:27	1996-05-31T20:18	PL-STANDBY during RA recovery
11	915	1996-05-31T20:18	1996-05-31T21:08	PL-STANDBY during RA recovery
11	916	1996-05-31T21:08	1996-05-31T21:58	PL-STANDBY during RA recovery
11	917	1996-05-31T21:58	1996-05-31T22:48	PL-STANDBY during RA recovery
11	918	1996-05-31T22:48	1996-05-31T23:39	PL-STANDBY during RA recovery
11	919	1996-05-31T23:39	1996-06-01T00:29	PL-STANDBY during RA recovery
11	920	1996-06-01T00:29	1996-06-01T01:19	PL-STANDBY during RA recovery
11	921	1996-06-01T01:19	1996-06-01T02:10	PL-STANDBY during RA recovery
11	922	1996-06-01T02:10	1996-06-01T03:00	PL-STANDBY during RA recovery
11	923	1996-06-01T03:00	1996-06-01T03:50	PL-STANDBY during RA recovery
11	924	1996-06-01T03:50	1996-06-01T04:41	PL-STANDBY during RA recovery
11	925	1996-06-01T04:41	1996-06-01T05:31	PL-STANDBY during RA recovery
11	926	1996-06-01T05:31	1996-06-01T06:21	PL-STANDBY during RA recovery
11	927	1996-06-01T06:21	1996-06-01T07:11	PL-STANDBY during RA recovery
11	928	1996-06-01T07:11	1996-06-01T08:02	PL-STANDBY during RA recovery
11	929	1996-06-01T08:02	1996-06-01T08:52	PL-STANDBY during RA recovery
12	73	1996-06-06T10:26	1996-06-06T11:16	unexplained missing telemetry
12	81	1996-06-06T17:08	1996-06-06T17:58	unexplained missing telemetry
12	103	1996-06-07T11:34	1996-06-07T12:25	unexplained missing telemetry
12	135	1996-06-08T14:24	1996-06-08T15:14	unexplained missing telemetry
12	193	1996-06-10T15:01	1996-06-10T15:52	unexplained missing telemetry
12	217	1996-06-11T11:09	1996-06-11T11:59	unexplained missing telemetry
12	225	1996-06-11T17:51	1996-06-11T18:41	unexplained missing telemetry
12	247	1996-06-12T12:18	1996-06-12T13:08	unexplained missing telemetry
12	281	1996-06-13T16:48	1996-06-13T17:38	unexplained missing telemetry
12	303	1996-06-14T11:14	1996-06-14T12:05	unexplained missing telemetry
12	311	1996-06-14T17:57	1996-06-14T18:47	unexplained missing telemetry
12	389	1996-06-17T11:20	1996-06-17T12:10	unexplained missing telemetry
12	425	1996-06-18T17:31	1996-06-18T18:21	unexplained missing telemetry
12	483	1996-06-20T18:08	1996-06-20T18:59	unexplained missing telemetry
12	503	1996-06-21T10:54	1996-06-21T11:45	unexplained missing telemetry
12	511	1996-06-21T17:37	1996-06-21T18:27	unexplained missing telemetry
12	535	1996-06-22T13:44	1996-06-22T14:34	unexplained missing telemetry
12	593	1996-06-24T14:21	1996-06-24T15:11	unexplained missing telemetry
12	619	1996-06-25T12:09	1996-06-25T12:59	unexplained missing telemetry

12	643	1996-06-26T08:16	1996-06-26T09:06	unexplained missing telemetry
12	644	1996-06-26T09:06	1996-06-26T09:57	MWR unavailable due to ATSR ICU patch operations
12	645	1996-06-26T09:57	1996-06-26T10:47	MWR unavailable due to ATSR ICU patch operations
12	646	1996-06-26T10:47	1996-06-26T11:37	MWR unavailable due to ATSR ICU patch operations
12	647	1996-06-26T11:37	1996-06-26T12:28	MWR unavailable due to ATSR ICU patch operations
12	705	1996-06-28T12:15	1996-06-28T13:05	unexplained missing telemetry
12	713	1996-06-28T18:57	1996-06-28T19:47	unexplained missing telemetry
12	776	1996-06-30T23:46	1996-07-01T00:36	unexplained missing telemetry
12	777	1996-07-01T00:36	1996-07-01T01:27	unexplained missing telemetry
12	778	1996-07-01T01:27	1996-07-01T02:17	unexplained missing telemetry
12	779	1996-07-01T02:17	1996-07-01T03:07	unexplained missing telemetry
12	780	1996-07-01T03:07	1996-07-01T03:57	unexplained missing telemetry
13	225	1996-07-16T17:51	1996-07-16T18:41	unexplained missing telemetry
13	236	1996-07-17T03:04	1996-07-17T03:55	unexplained missing telemetry
13	479	1996-07-25T14:47	1996-07-25T15:37	unexplained missing telemetry
13	480	1996-07-25T15:37	1996-07-25T16:28	unexplained missing telemetry
13	481	1996-07-25T16:28	1996-07-25T17:18	unexplained missing telemetry
13	482	1996-07-25T17:18	1996-07-25T18:08	unexplained missing telemetry
13	483	1996-07-25T18:08	1996-07-25T18:59	unexplained missing telemetry
13	484	1996-07-25T18:59	1996-07-25T19:49	unexplained missing telemetry
13	485	1996-07-25T19:49	1996-07-25T20:39	unexplained missing telemetry
13	779	1996-08-05T02:17	1996-08-05T03:07	unexplained missing telemetry
13	804	1996-08-05T23:14	1996-08-06T00:05	unexplained missing telemetry
13	843	1996-08-07T07:56	1996-08-07T08:46	unexplained missing telemetry
14	101	1996-08-16T09:54	1996-08-16T10:44	unexplained missing telemetry
14	118	1996-08-17T00:09	1996-08-17T00:59	unexplained missing telemetry
14	133	1996-08-17T12:43	1996-08-17T13:34	unexplained missing telemetry
14	214	1996-08-20T08:38	1996-08-20T09:28	Loss of all IDHT products due to RA clock unavailable
14	215	1996-08-20T09:28	1996-08-20T10:18	Loss of all IDHT products due to RA clock unavailable
14	216	1996-08-20T10:18	1996-08-20T11:09	unexplained missing telemetry
14	217	1996-08-20T11:09	1996-08-20T11:59	unexplained missing telemetry
14	255	1996-08-21T19:00	1996-08-21T19:50	unexplained missing telemetry
14	281	1996-08-22T16:48	1996-08-22T17:38	unexplained missing telemetry
14	290	1996-08-23T00:20	1996-08-23T01:11	unexplained missing telemetry
14	471	1996-08-29T08:05	1996-08-29T08:55	unexplained missing telemetry
14	677	1996-09-05T12:46	1996-09-05T13:37	unexplained missing telemetry
14	711	1996-09-06T17:17	1996-09-06T18:07	unexplained missing telemetry
14	765	1996-09-08T14:33	1996-09-08T15:23	unexplained missing telemetry
14	795	1996-09-09T15:42	1996-09-09T16:32	unexplained missing telemetry
14	796	1996-09-09T16:32	1996-09-09T17:22	unexplained missing telemetry
14	797	1996-09-09T17:22	1996-09-09T18:13	unexplained missing telemetry
14	857	1996-09-11T19:40	1996-09-11T20:31	unexplained missing telemetry
14	948	1996-09-14T23:57	1996-09-15T00:48	unexplained missing telemetry
14	985	1996-09-16T06:59	1996-09-16T07:49	unexplained missing telemetry
14	993	1996-09-16T13:41	1996-09-16T14:31	unexplained missing telemetry
15	6	1996-09-17T02:15	1996-09-17T03:06	unexplained missing telemetry
15	195	1996-09-23T16:42	1996-09-23T17:32	unexplained missing telemetry
15	227	1996-09-24T19:32	1996-09-24T20:22	unexplained missing telemetry

15	243	1996-09-25T08:56	1996-09-25T09:47	unexplained missing telemetry
15	277	1996-09-26T13:27	1996-09-26T14:17	unexplained missing telemetry
15	285	1996-09-26T20:09	1996-09-26T20:59	unexplained missing telemetry
15	301	1996-09-27T09:34	1996-09-27T10:24	unexplained missing telemetry
15	397	1996-09-30T18:03	1996-09-30T18:53	unexplained missing telemetry
15	399	1996-09-30T19:43	1996-09-30T20:33	unexplained missing telemetry
15	801	1996-10-14T20:43	1996-10-14T21:34	unexplained missing telemetry
15	987	1996-10-21T08:39	1996-10-21T09:29	unexplained missing telemetry
15	999	1996-10-21T18:43	1996-10-21T19:33	unexplained missing telemetry
16	139	1996-10-26T17:45	1996-10-26T18:36	unexplained missing telemetry
16	159	1996-10-27T10:31	1996-10-27T11:22	unexplained missing telemetry
16	397	1996-11-04T18:03	1996-11-04T18:53	unexplained missing telemetry
16	836	1996-11-20T02:04	1996-11-20T02:54	unexplained missing telemetry
16	847	1996-11-20T11:17	1996-11-20T12:08	unexplained missing telemetry
16	851	1996-11-20T14:38	1996-11-20T15:29	unexplained missing telemetry
16	875	1996-11-21T10:46	1996-11-21T11:36	unexplained missing telemetry
17	81	1996-11-28T17:08	1996-11-28T17:58	unexplained missing telemetry
17	109	1996-11-29T16:36	1996-11-29T17:27	unexplained missing telemetry
17	154	1996-12-01T06:20	1996-12-01T07:10	unexplained missing telemetry
17	322	1996-12-07T03:10	1996-12-07T04:00	unexplained missing telemetry
17	352	1996-12-08T04:19	1996-12-08T05:09	unexplained missing telemetry
17	698	1996-12-20T06:23	1996-12-20T07:13	unexplained missing telemetry
19	290	1997-02-14T00:20	1997-02-14T01:11	unexplained missing telemetry
19	291	1997-02-14T01:11	1997-02-14T02:01	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	292	1997-02-14T02:01	1997-02-14T02:51	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	293	1997-02-14T02:51	1997-02-14T03:42	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	294	1997-02-14T03:42	1997-02-14T04:32	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	295	1997-02-14T04:32	1997-02-14T05:22	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	296	1997-02-14T05:22	1997-02-14T06:13	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	297	1997-02-14T06:13	1997-02-14T07:03	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	298	1997-02-14T07:03	1997-02-14T07:53	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	299	1997-02-14T07:53	1997-02-14T08:43	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	300	1997-02-14T08:43	1997-02-14T09:34	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	301	1997-02-14T09:34	1997-02-14T10:24	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	302	1997-02-14T10:24	1997-02-14T11:14	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	303	1997-02-14T11:14	1997-02-14T12:05	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	304	1997-02-14T12:05	1997-02-14T12:55	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	305	1997-02-14T12:55	1997-02-14T13:45	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	306	1997-02-14T13:45	1997-02-14T14:36	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	307	1997-02-14T14:36	1997-02-14T15:26	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	308	1997-02-14T15:26	1997-02-14T16:16	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	309	1997-02-14T16:16	1997-02-14T17:06	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	310	1997-02-14T17:06	1997-02-14T17:57	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	311	1997-02-14T17:57	1997-02-14T18:47	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	312	1997-02-14T18:47	1997-02-14T19:37	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	313	1997-02-14T19:37	1997-02-14T20:28	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	314	1997-02-14T20:28	1997-02-14T21:18	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	315	1997-02-14T21:18	1997-02-14T22:08	ERS-2 on-board anomaly (see ER-UNA-97/008)

19	316	1997-02-14T22:08	1997-02-14T22:59	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	317	1997-02-14T22:59	1997-02-14T23:49	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	318	1997-02-14T23:49	1997-02-15T00:39	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	319	1997-02-15T00:39	1997-02-15T01:29	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	320	1997-02-15T01:29	1997-02-15T02:20	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	321	1997-02-15T02:20	1997-02-15T03:10	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	322	1997-02-15T03:10	1997-02-15T04:00	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	323	1997-02-15T04:00	1997-02-15T04:51	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	324	1997-02-15T04:51	1997-02-15T05:41	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	325	1997-02-15T05:41	1997-02-15T06:31	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	326	1997-02-15T06:31	1997-02-15T07:22	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	327	1997-02-15T07:22	1997-02-15T08:12	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	328	1997-02-15T08:12	1997-02-15T09:02	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	329	1997-02-15T09:02	1997-02-15T09:52	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	330	1997-02-15T09:52	1997-02-15T10:43	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	331	1997-02-15T10:43	1997-02-15T11:33	ERS-2 on-board anomaly (see ER-UNA-97/008)
19	548	1997-02-23T00:38	1997-02-23T01:28	unexplained missing telemetry
19	549	1997-02-23T01:28	1997-02-23T02:18	unexplained missing telemetry
19	550	1997-02-23T02:18	1997-02-23T03:09	unexplained missing telemetry
19	784	1997-03-03T06:28	1997-03-03T07:19	LBR data lost due to IDHT external clock missing during playback
19	943	1997-03-08T19:46	1997-03-08T20:36	IDHT anomaly
19	944	1997-03-08T20:36	1997-03-08T21:27	IDHT anomaly
20	103	1997-03-14T11:34	1997-03-14T12:25	unexplained missing telemetry
20	675	1997-04-03T11:06	1997-04-03T11:56	IDHT anomaly: no LBR data
20	676	1997-04-03T11:56	1997-04-03T12:46	IDHT anomaly: no LBR data
20	677	1997-04-03T12:46	1997-04-03T13:37	IDHT anomaly: no LBR data
21	32	1997-04-16T00:03	1997-04-16T00:54	unexplained missing telemetry
21	33	1997-04-16T00:54	1997-04-16T01:44	unexplained missing telemetry
21	34	1997-04-16T01:44	1997-04-16T02:34	unexplained missing telemetry
21	35	1997-04-16T02:34	1997-04-16T03:24	unexplained missing telemetry
21	36	1997-04-16T03:24	1997-04-16T04:15	unexplained missing telemetry
21	404	1997-04-28T23:55	1997-04-29T00:45	unexplained missing telemetry
21	405	1997-04-29T00:45	1997-04-29T01:35	unexplained missing telemetry
21	406	1997-04-29T01:35	1997-04-29T02:26	unexplained missing telemetry
21	407	1997-04-29T02:26	1997-04-29T03:16	unexplained missing telemetry
21	408	1997-04-29T03:16	1997-04-29T04:06	unexplained missing telemetry
21	434	1997-04-30T01:04	1997-04-30T01:54	unexplained missing telemetry
21	435	1997-04-30T01:54	1997-04-30T02:44	unexplained missing telemetry
21	436	1997-04-30T02:44	1997-04-30T03:34	unexplained missing telemetry
21	464	1997-05-01T02:13	1997-05-01T03:03	unexplained missing telemetry
21	490	1997-05-02T00:00	1997-05-02T00:51	unexplained missing telemetry
21	491	1997-05-02T00:51	1997-05-02T01:41	unexplained missing telemetry
21	492	1997-05-02T01:41	1997-05-02T02:31	unexplained missing telemetry
21	493	1997-05-02T02:31	1997-05-02T03:22	unexplained missing telemetry
21	494	1997-05-02T03:22	1997-05-02T04:12	unexplained missing telemetry
21	518	1997-05-02T23:29	1997-05-03T00:19	unexplained missing telemetry
21	519	1997-05-03T00:19	1997-05-03T01:09	unexplained missing telemetry
21	520	1997-05-03T01:09	1997-05-03T02:00	unexplained missing telemetry



21	521	1997-05-03T02:00	1997-05-03T02:50	unexplained missing telemetry
21	522	1997-05-03T02:50	1997-05-03T03:40	unexplained missing telemetry
21	662	1997-05-08T00:12	1997-05-08T01:02	unexplained missing telemetry
21	663	1997-05-08T01:02	1997-05-08T01:52	unexplained missing telemetry
21	664	1997-05-08T01:52	1997-05-08T02:43	unexplained missing telemetry
21	665	1997-05-08T02:43	1997-05-08T03:33	unexplained missing telemetry
21	666	1997-05-08T03:33	1997-05-08T04:23	unexplained missing telemetry
21	696	1997-05-09T04:42	1997-05-09T05:32	unexplained missing telemetry
21	724	1997-05-10T04:10	1997-05-10T05:01	unexplained missing telemetry
21	782	1997-05-12T04:48	1997-05-12T05:38	unexplained missing telemetry
21	810	1997-05-13T04:16	1997-05-13T05:06	unexplained missing telemetry
21	834	1997-05-14T00:23	1997-05-14T01:14	unexplained missing telemetry
21	835	1997-05-14T01:14	1997-05-14T02:04	unexplained missing telemetry
21	836	1997-05-14T02:04	1997-05-14T02:54	unexplained missing telemetry
21	837	1997-05-14T02:54	1997-05-14T03:45	unexplained missing telemetry
21	838	1997-05-14T03:45	1997-05-14T04:35	unexplained missing telemetry
21	920	1997-05-17T00:29	1997-05-17T01:19	unexplained missing telemetry
21	921	1997-05-17T01:19	1997-05-17T02:10	unexplained missing telemetry
21	922	1997-05-17T02:10	1997-05-17T03:00	unexplained missing telemetry
21	923	1997-05-17T03:00	1997-05-17T03:50	unexplained missing telemetry
21	924	1997-05-17T03:50	1997-05-17T04:41	unexplained missing telemetry
22	4	1997-05-20T00:35	1997-05-20T01:25	unexplained missing telemetry
22	5	1997-05-20T01:25	1997-05-20T02:15	unexplained missing telemetry
22	6	1997-05-20T02:15	1997-05-20T03:06	unexplained missing telemetry
22	32	1997-05-21T00:03	1997-05-21T00:54	unexplained missing telemetry
22	33	1997-05-21T00:54	1997-05-21T01:44	unexplained missing telemetry
22	34	1997-05-21T01:44	1997-05-21T02:34	unexplained missing telemetry
22	35	1997-05-21T02:34	1997-05-21T03:24	unexplained missing telemetry
22	36	1997-05-21T03:24	1997-05-21T04:15	unexplained missing telemetry
22	37	1997-05-21T04:15	1997-05-21T05:05	unexplained missing telemetry
22	38	1997-05-21T05:05	1997-05-21T05:55	unexplained missing telemetry
22	118	1997-05-24T00:09	1997-05-24T00:59	unexplained missing telemetry
22	119	1997-05-24T00:59	1997-05-24T01:50	unexplained missing telemetry
22	120	1997-05-24T01:50	1997-05-24T02:40	unexplained missing telemetry
22	150	1997-05-25T02:59	1997-05-25T03:49	unexplained missing telemetry
22	151	1997-05-25T03:49	1997-05-25T04:39	unexplained missing telemetry
22	152	1997-05-25T04:39	1997-05-25T05:29	unexplained missing telemetry
22	208	1997-05-27T03:36	1997-05-27T04:26	unexplained missing telemetry
22	238	1997-05-28T04:45	1997-05-28T05:35	unexplained missing telemetry
22	262	1997-05-29T00:52	1997-05-29T01:42	unexplained missing telemetry
22	263	1997-05-29T01:42	1997-05-29T02:33	unexplained missing telemetry
22	264	1997-05-29T02:33	1997-05-29T03:23	unexplained missing telemetry
22	290	1997-05-30T00:20	1997-05-30T01:11	unexplained missing telemetry
22	291	1997-05-30T01:11	1997-05-30T02:01	unexplained missing telemetry
22	292	1997-05-30T02:01	1997-05-30T02:51	unexplained missing telemetry
22	348	1997-06-01T00:58	1997-06-01T01:48	unexplained missing telemetry
22	349	1997-06-01T01:48	1997-06-01T02:38	unexplained missing telemetry
22	350	1997-06-01T02:38	1997-06-01T03:29	unexplained missing telemetry



22	376	1997-06-02T00:26	1997-06-02T01:17	unexplained missing telemetry
22	377	1997-06-02T01:17	1997-06-02T02:07	unexplained missing telemetry
22	378	1997-06-02T02:07	1997-06-02T02:57	unexplained missing telemetry
22	404	1997-06-02T23:55	1997-06-03T00:45	unexplained missing telemetry
22	405	1997-06-03T00:45	1997-06-03T01:35	unexplained missing telemetry
22	406	1997-06-03T01:35	1997-06-03T02:26	unexplained missing telemetry
22	407	1997-06-03T02:26	1997-06-03T03:16	unexplained missing telemetry
22	408	1997-06-03T03:16	1997-06-03T04:06	unexplained missing telemetry
22	409	1997-06-03T04:06	1997-06-03T04:56	unexplained missing telemetry
22	410	1997-06-03T04:56	1997-06-03T05:47	unexplained missing telemetry
22	434	1997-06-04T01:04	1997-06-04T01:54	unexplained missing telemetry
22	435	1997-06-04T01:54	1997-06-04T02:44	unexplained missing telemetry
22	436	1997-06-04T02:44	1997-06-04T03:34	unexplained missing telemetry
22	437	1997-06-04T03:34	1997-06-04T04:25	unexplained missing telemetry
22	438	1997-06-04T04:25	1997-06-04T05:15	unexplained missing telemetry
22	576	1997-06-09T00:06	1997-06-09T00:56	unexplained missing telemetry
22	577	1997-06-09T00:56	1997-06-09T01:47	unexplained missing telemetry
22	578	1997-06-09T01:47	1997-06-09T02:37	unexplained missing telemetry
23	866	1997-07-24T03:13	1997-07-24T04:03	unexplained missing telemetry
24	318	1997-08-08T23:49	1997-08-09T00:39	unexplained missing telemetry
24	319	1997-08-09T00:39	1997-08-09T01:29	unexplained missing telemetry
24	320	1997-08-09T01:29	1997-08-09T02:20	unexplained missing telemetry
24	321	1997-08-09T02:20	1997-08-09T03:10	unexplained missing telemetry
24	322	1997-08-09T03:10	1997-08-09T04:00	unexplained missing telemetry
24	471	1997-08-14T08:05	1997-08-14T08:55	unexplained missing telemetry
25	32	1997-09-03T00:03	1997-09-03T00:54	unexplained missing telemetry
25	33	1997-09-03T00:54	1997-09-03T01:44	unexplained missing telemetry
25	34	1997-09-03T01:44	1997-09-03T02:34	unexplained missing telemetry
25	35	1997-09-03T02:34	1997-09-03T03:24	unexplained missing telemetry
25	36	1997-09-03T03:24	1997-09-03T04:15	unexplained missing telemetry
25	232	1997-09-09T23:43	1997-09-10T00:33	unexplained missing telemetry
25	233	1997-09-10T00:33	1997-09-10T01:24	unexplained missing telemetry
25	234	1997-09-10T01:24	1997-09-10T02:14	unexplained missing telemetry
25	235	1997-09-10T02:14	1997-09-10T03:04	unexplained missing telemetry
25	236	1997-09-10T03:04	1997-09-10T03:55	unexplained missing telemetry
26	36	1997-10-08T03:24	1997-10-08T04:15	unexplained missing telemetry
26	124	1997-10-11T05:11	1997-10-11T06:01	unexplained missing telemetry
26	125	1997-10-11T06:01	1997-10-11T06:51	unexplained missing telemetry
27	430	1997-11-25T21:42	1997-11-25T22:33	ATSR ICU format length error ER-UNA 97/078
27	431	1997-11-25T22:33	1997-11-25T23:23	ATSR ICU format length error ER-UNA 97/079
27	432	1997-11-25T23:23	1997-11-26T00:13	ATSR ICU format length error ER-UNA 97/080
27	433	1997-11-26T00:13	1997-11-26T01:04	ATSR ICU format length error ER-UNA 97/081
27	434	1997-11-26T01:04	1997-11-26T01:54	ATSR ICU format length error ER-UNA 97/082
27	435	1997-11-26T01:54	1997-11-26T02:44	ATSR ICU format length error ER-UNA 97/083
27	436	1997-11-26T02:44	1997-11-26T03:34	ATSR ICU format length error ER-UNA 97/084
27	437	1997-11-26T03:34	1997-11-26T04:25	ATSR ICU format length error ER-UNA 97/085
27	438	1997-11-26T04:25	1997-11-26T05:15	ATSR ICU format length error ER-UNA 97/086
27	439	1997-11-26T05:15	1997-11-26T06:05	ATSR ICU format length error ER-UNA 97/087

27	440	1997-11-26T06:05	1997-11-26T06:56	ATSR ICU format length error ER-UNA 97/088
27	441	1997-11-26T06:56	1997-11-26T07:46	ATSR ICU format length error ER-UNA 97/089
27	442	1997-11-26T07:46	1997-11-26T08:36	ATSR ICU format length error ER-UNA 97/090
27	443	1997-11-26T08:36	1997-11-26T09:27	ATSR ICU format length error ER-UNA 97/091
27	613	1997-12-02T07:07	1997-12-02T07:57	unexplained missing telemetry
27	662	1997-12-04T00:12	1997-12-04T01:02	unexplained missing telemetry
27	669	1997-12-04T06:04	1997-12-04T06:54	unexplained missing telemetry
27	671	1997-12-04T07:45	1997-12-04T08:35	unexplained missing telemetry
27	674	1997-12-04T10:15	1997-12-04T11:06	unexplained missing telemetry
27	675	1997-12-04T11:06	1997-12-04T11:56	unexplained missing telemetry
27	677	1997-12-04T12:46	1997-12-04T13:37	unexplained missing telemetry
27	679	1997-12-04T14:27	1997-12-04T15:17	unexplained missing telemetry
27	681	1997-12-04T16:08	1997-12-04T16:58	unexplained missing telemetry
27	683	1997-12-04T17:48	1997-12-04T18:38	unexplained missing telemetry
27	685	1997-12-04T19:29	1997-12-04T20:19	unexplained missing telemetry
27	699	1997-12-05T07:13	1997-12-05T08:03	unexplained missing telemetry
27	701	1997-12-05T08:54	1997-12-05T09:44	unexplained missing telemetry
27	711	1997-12-05T17:17	1997-12-05T18:07	unexplained missing telemetry
27	717	1997-12-05T22:18	1997-12-05T23:09	unexplained missing telemetry
27	718	1997-12-05T23:09	1997-12-05T23:59	unexplained missing telemetry
27	728	1997-12-06T07:32	1997-12-06T08:22	unexplained missing telemetry
27	729	1997-12-06T08:22	1997-12-06T09:12	unexplained missing telemetry
27	737	1997-12-06T15:04	1997-12-06T15:55	unexplained missing telemetry
27	741	1997-12-06T18:26	1997-12-06T19:16	unexplained missing telemetry
27	951	1997-12-14T02:28	1997-12-14T03:19	unexplained missing telemetry
27	952	1997-12-14T03:19	1997-12-14T04:09	unexplained missing telemetry
27	957	1997-12-14T07:30	1997-12-14T08:20	unexplained missing telemetry
27	959	1997-12-14T09:11	1997-12-14T10:01	unexplained missing telemetry
27	961	1997-12-14T10:51	1997-12-14T11:42	unexplained missing telemetry
27	962	1997-12-14T11:42	1997-12-14T12:32	unexplained missing telemetry
27	963	1997-12-14T12:32	1997-12-14T13:22	unexplained missing telemetry
27	965	1997-12-14T14:13	1997-12-14T15:03	unexplained missing telemetry
27	969	1997-12-14T17:34	1997-12-14T18:24	unexplained missing telemetry
27	974	1997-12-14T21:45	1997-12-14T22:36	unexplained missing telemetry
27	976	1997-12-14T23:26	1997-12-15T00:16	unexplained missing telemetry
27	982	1997-12-15T04:28	1997-12-15T05:18	unexplained missing telemetry
27	987	1997-12-15T08:39	1997-12-15T09:29	unexplained missing telemetry
27	991	1997-12-15T12:00	1997-12-15T12:51	unexplained missing telemetry
27	994	1997-12-15T14:31	1997-12-15T15:22	unexplained missing telemetry
27	995	1997-12-15T15:22	1997-12-15T16:12	unexplained missing telemetry
27	997	1997-12-15T17:02	1997-12-15T17:52	unexplained missing telemetry
27	999	1997-12-15T18:43	1997-12-15T19:33	unexplained missing telemetry
27	1001	1997-12-15T20:23	1997-12-15T21:14	unexplained missing telemetry
28	4	1997-12-16T00:35	1997-12-16T01:25	unexplained missing telemetry
28	5	1997-12-16T01:25	1997-12-16T02:15	unexplained missing telemetry
28	6	1997-12-16T02:15	1997-12-16T03:06	unexplained missing telemetry
28	8	1997-12-16T03:56	1997-12-16T04:46	unexplained missing telemetry
28	9	1997-12-16T04:46	1997-12-16T05:37	unexplained missing telemetry

28	10	1997-12-16T05:37	1997-12-16T06:27	unexplained missing telemetry
28	11	1997-12-16T06:27	1997-12-16T07:17	unexplained missing telemetry
28	13	1997-12-16T08:08	1997-12-16T08:58	unexplained missing telemetry
28	15	1997-12-16T09:48	1997-12-16T10:38	unexplained missing telemetry
28	17	1997-12-16T11:29	1997-12-16T12:19	unexplained missing telemetry
28	19	1997-12-16T13:09	1997-12-16T14:00	unexplained missing telemetry
28	21	1997-12-16T14:50	1997-12-16T15:40	unexplained missing telemetry
28	23	1997-12-16T16:31	1997-12-16T17:21	unexplained missing telemetry
28	25	1997-12-16T18:11	1997-12-16T19:01	unexplained missing telemetry
28	32	1997-12-17T00:03	1997-12-17T00:54	unexplained missing telemetry
28	34	1997-12-17T01:44	1997-12-17T02:34	unexplained missing telemetry
28	37	1997-12-17T04:15	1997-12-17T05:05	unexplained missing telemetry
28	38	1997-12-17T05:05	1997-12-17T05:55	unexplained missing telemetry
28	40	1997-12-17T06:46	1997-12-17T07:36	unexplained missing telemetry
28	41	1997-12-17T07:36	1997-12-17T08:26	unexplained missing telemetry
28	43	1997-12-17T09:17	1997-12-17T10:07	unexplained missing telemetry
28	45	1997-12-17T10:57	1997-12-17T11:47	unexplained missing telemetry
28	47	1997-12-17T12:38	1997-12-17T13:28	unexplained missing telemetry
28	48	1997-12-17T13:28	1997-12-17T14:18	unexplained missing telemetry
28	49	1997-12-17T14:18	1997-12-17T15:09	unexplained missing telemetry
28	51	1997-12-17T15:59	1997-12-17T16:49	unexplained missing telemetry
28	53	1997-12-17T17:40	1997-12-17T18:30	unexplained missing telemetry
28	55	1997-12-17T19:20	1997-12-17T20:10	unexplained missing telemetry
28	56	1997-12-17T20:10	1997-12-17T21:01	unexplained missing telemetry
28	57	1997-12-17T21:01	1997-12-17T21:51	unexplained missing telemetry
28	58	1997-12-17T21:51	1997-12-17T22:41	unexplained missing telemetry
28	60	1997-12-17T23:32	1997-12-18T00:22	unexplained missing telemetry
28	62	1997-12-18T01:12	1997-12-18T02:03	unexplained missing telemetry
28	63	1997-12-18T02:03	1997-12-18T02:53	unexplained missing telemetry
28	64	1997-12-18T02:53	1997-12-18T03:43	unexplained missing telemetry
28	67	1997-12-18T05:24	1997-12-18T06:14	unexplained missing telemetry
28	68	1997-12-18T06:14	1997-12-18T07:04	unexplained missing telemetry
28	69	1997-12-18T07:04	1997-12-18T07:55	unexplained missing telemetry
28	71	1997-12-18T08:45	1997-12-18T09:35	unexplained missing telemetry
28	77	1997-12-18T13:47	1997-12-18T14:37	unexplained missing telemetry
28	78	1997-12-18T14:37	1997-12-18T15:27	unexplained missing telemetry
28	79	1997-12-18T15:27	1997-12-18T16:18	unexplained missing telemetry
28	80	1997-12-18T16:18	1997-12-18T17:08	unexplained missing telemetry
28	87	1997-12-18T22:10	1997-12-18T23:00	unexplained missing telemetry
28	88	1997-12-18T23:00	1997-12-18T23:50	unexplained missing telemetry
28	89	1997-12-18T23:50	1997-12-19T00:41	unexplained missing telemetry
28	90	1997-12-19T00:41	1997-12-19T01:31	unexplained missing telemetry
28	97	1997-12-19T06:33	1997-12-19T07:23	unexplained missing telemetry
28	98	1997-12-19T07:23	1997-12-19T08:13	unexplained missing telemetry
28	99	1997-12-19T08:13	1997-12-19T09:04	unexplained missing telemetry
28	107	1997-12-19T14:56	1997-12-19T15:46	unexplained missing telemetry
28	109	1997-12-19T16:36	1997-12-19T17:27	unexplained missing telemetry
28	112	1997-12-19T19:07	1997-12-19T19:57	unexplained missing telemetry

28	113	1997-12-19T19:57	1997-12-19T20:48	unexplained missing telemetry
28	121	1997-12-20T02:40	1997-12-20T03:30	unexplained missing telemetry
28	122	1997-12-20T03:30	1997-12-20T04:20	unexplained missing telemetry
28	125	1997-12-20T06:01	1997-12-20T06:51	unexplained missing telemetry
28	129	1997-12-20T09:22	1997-12-20T10:13	unexplained missing telemetry
28	131	1997-12-20T11:03	1997-12-20T11:53	unexplained missing telemetry
28	137	1997-12-20T16:05	1997-12-20T16:55	unexplained missing telemetry
28	141	1997-12-20T19:26	1997-12-20T20:16	unexplained missing telemetry
28	150	1997-12-21T02:59	1997-12-21T03:49	unexplained missing telemetry
28	152	1997-12-21T04:39	1997-12-21T05:29	unexplained missing telemetry
28	155	1997-12-21T07:10	1997-12-21T08:00	unexplained missing telemetry
28	159	1997-12-21T10:31	1997-12-21T11:22	unexplained missing telemetry
28	163	1997-12-21T13:52	1997-12-21T14:43	unexplained missing telemetry
28	165	1997-12-21T15:33	1997-12-21T16:23	unexplained missing telemetry
28	170	1997-12-21T19:45	1997-12-21T20:35	unexplained missing telemetry
28	171	1997-12-21T20:35	1997-12-21T21:25	unexplained missing telemetry
28	176	1997-12-22T00:46	1997-12-22T01:37	unexplained missing telemetry
28	189	1997-12-22T11:40	1997-12-22T12:31	unexplained missing telemetry
28	192	1997-12-22T14:11	1997-12-22T15:01	unexplained missing telemetry
28	193	1997-12-22T15:01	1997-12-22T15:52	unexplained missing telemetry
28	195	1997-12-22T16:42	1997-12-22T17:32	unexplained missing telemetry
28	206	1997-12-23T01:55	1997-12-23T02:46	unexplained missing telemetry
28	213	1997-12-23T07:47	1997-12-23T08:38	unexplained missing telemetry
28	219	1997-12-23T12:49	1997-12-23T13:40	unexplained missing telemetry
28	221	1997-12-23T14:30	1997-12-23T15:20	unexplained missing telemetry
28	223	1997-12-23T16:10	1997-12-23T17:01	unexplained missing telemetry
28	225	1997-12-23T17:51	1997-12-23T18:41	unexplained missing telemetry
28	227	1997-12-23T19:32	1997-12-23T20:22	unexplained missing telemetry
28	232	1997-12-23T23:43	1997-12-24T00:33	unexplained missing telemetry
28	241	1997-12-24T07:16	1997-12-24T08:06	unexplained missing telemetry
28	247	1997-12-24T12:18	1997-12-24T13:08	unexplained missing telemetry
28	249	1997-12-24T13:58	1997-12-24T14:48	unexplained missing telemetry
28	251	1997-12-24T15:39	1997-12-24T16:29	unexplained missing telemetry
28	255	1997-12-24T19:00	1997-12-24T19:50	unexplained missing telemetry
28	257	1997-12-24T20:41	1997-12-24T21:31	unexplained missing telemetry
28	269	1997-12-25T06:44	1997-12-25T07:34	unexplained missing telemetry
28	271	1997-12-25T08:25	1997-12-25T09:15	unexplained missing telemetry
28	273	1997-12-25T10:05	1997-12-25T10:56	unexplained missing telemetry
28	275	1997-12-25T11:46	1997-12-25T12:36	unexplained missing telemetry
28	278	1997-12-25T14:17	1997-12-25T15:07	unexplained missing telemetry
28	279	1997-12-25T15:07	1997-12-25T15:57	unexplained missing telemetry
28	283	1997-12-25T18:28	1997-12-25T19:19	unexplained missing telemetry
28	285	1997-12-25T20:09	1997-12-25T20:59	unexplained missing telemetry
28	297	1997-12-26T06:13	1997-12-26T07:03	unexplained missing telemetry
28	301	1997-12-26T09:34	1997-12-26T10:24	unexplained missing telemetry
28	303	1997-12-26T11:14	1997-12-26T12:05	unexplained missing telemetry
28	307	1997-12-26T14:36	1997-12-26T15:26	unexplained missing telemetry
28	309	1997-12-26T16:16	1997-12-26T17:06	unexplained missing telemetry

28	311	1997-12-26T17:57	1997-12-26T18:47	unexplained missing telemetry
28	313	1997-12-26T19:37	1997-12-26T20:28	unexplained missing telemetry
28	314	1997-12-26T20:28	1997-12-26T21:18	unexplained missing telemetry
28	318	1997-12-26T23:49	1997-12-27T00:39	unexplained missing telemetry
28	350	1997-12-28T02:38	1997-12-28T03:29	unexplained missing telemetry
28	352	1997-12-28T04:19	1997-12-28T05:09	unexplained missing telemetry
28	357	1997-12-28T08:31	1997-12-28T09:21	unexplained missing telemetry
28	374	1997-12-28T22:46	1997-12-28T23:36	unexplained missing telemetry
28	404	1997-12-29T23:55	1997-12-30T00:45	unexplained missing telemetry
28	410	1997-12-30T04:56	1997-12-30T05:47	unexplained missing telemetry
28	451	1997-12-31T15:19	1997-12-31T16:09	unexplained missing telemetry
28	503	1998-01-02T10:54	1998-01-02T11:45	unexplained missing telemetry
28	518	1998-01-02T23:29	1998-01-03T00:19	unexplained missing telemetry
28	560	1998-01-04T10:41	1998-01-04T11:32	unexplained missing telemetry
28	583	1998-01-05T05:58	1998-01-05T06:48	unexplained missing telemetry
28	587	1998-01-05T09:19	1998-01-05T10:10	unexplained missing telemetry
28	638	1998-01-07T04:05	1998-01-07T04:55	unexplained missing telemetry
28	662	1998-01-08T00:12	1998-01-08T01:02	unexplained missing telemetry
28	669	1998-01-08T06:04	1998-01-08T06:54	unexplained missing telemetry
28	690	1998-01-08T23:40	1998-01-09T00:31	unexplained missing telemetry
28	698	1998-01-09T06:23	1998-01-09T07:13	unexplained missing telemetry
28	717	1998-01-09T22:18	1998-01-09T23:09	unexplained missing telemetry
28	718	1998-01-09T23:09	1998-01-09T23:59	unexplained missing telemetry
28	748	1998-01-11T00:18	1998-01-11T01:08	unexplained missing telemetry
28	776	1998-01-11T23:46	1998-01-12T00:36	unexplained missing telemetry
28	806	1998-01-13T00:55	1998-01-13T01:45	unexplained missing telemetry
28	832	1998-01-13T22:43	1998-01-13T23:33	unexplained missing telemetry
28	834	1998-01-14T00:23	1998-01-14T01:14	unexplained missing telemetry
28	836	1998-01-14T02:04	1998-01-14T02:54	unexplained missing telemetry
28	855	1998-01-14T18:00	1998-01-14T18:50	unexplained missing telemetry
28	890	1998-01-15T23:20	1998-01-16T00:10	unexplained missing telemetry
28	894	1998-01-16T02:41	1998-01-16T03:32	unexplained missing telemetry
28	898	1998-01-16T06:03	1998-01-16T06:53	unexplained missing telemetry
28	929	1998-01-17T08:02	1998-01-17T08:52	unexplained missing telemetry
29	3	1998-01-19T23:45	1998-01-20T00:35	unexplained missing telemetry
29	33	1998-01-21T00:54	1998-01-21T01:44	unexplained missing telemetry
29	34	1998-01-21T01:44	1998-01-21T02:34	unexplained missing telemetry
29	53	1998-01-21T17:40	1998-01-21T18:30	unexplained missing telemetry
29	60	1998-01-21T23:32	1998-01-22T00:22	unexplained missing telemetry
29	64	1998-01-22T02:53	1998-01-22T03:43	unexplained missing telemetry
29	93	1998-01-23T03:11	1998-01-23T04:02	unexplained missing telemetry
29	94	1998-01-23T04:02	1998-01-23T04:52	unexplained missing telemetry
29	96	1998-01-23T05:42	1998-01-23T06:33	unexplained missing telemetry
29	105	1998-01-23T13:15	1998-01-23T14:05	unexplained missing telemetry
29	125	1998-01-24T06:01	1998-01-24T06:51	unexplained missing telemetry
29	126	1998-01-24T06:51	1998-01-24T07:42	unexplained missing telemetry
29	234	1998-01-28T01:24	1998-01-28T02:14	unexplained missing telemetry
29	236	1998-01-28T03:04	1998-01-28T03:55	unexplained missing telemetry

29	237	1998-01-28T03:55	1998-01-28T04:45	unexplained missing telemetry
29	238	1998-01-28T04:45	1998-01-28T05:35	unexplained missing telemetry
29	264	1998-01-29T02:33	1998-01-29T03:23	unexplained missing telemetry
29	280	1998-01-29T15:57	1998-01-29T16:48	unexplained missing telemetry
29	290	1998-01-30T00:20	1998-01-30T01:11	unexplained missing telemetry
29	316	1998-01-30T22:08	1998-01-30T22:59	unexplained missing telemetry
29	318	1998-01-30T23:49	1998-01-31T00:39	unexplained missing telemetry
29	324	1998-01-31T04:51	1998-01-31T05:41	unexplained missing telemetry
29	348	1998-02-01T00:58	1998-02-01T01:48	unexplained missing telemetry
29	351	1998-02-01T03:29	1998-02-01T04:19	unexplained missing telemetry
29	352	1998-02-01T04:19	1998-02-01T05:09	unexplained missing telemetry
29	404	1998-02-02T23:55	1998-02-03T00:45	unexplained missing telemetry
29	490	1998-02-06T00:00	1998-02-06T00:51	unexplained missing telemetry
29	498	1998-02-06T06:43	1998-02-06T07:33	unexplained missing telemetry
29	518	1998-02-06T23:29	1998-02-07T00:19	unexplained missing telemetry
29	524	1998-02-07T04:31	1998-02-07T05:21	unexplained missing telemetry
29	548	1998-02-08T00:38	1998-02-08T01:28	unexplained missing telemetry
29	550	1998-02-08T02:18	1998-02-08T03:09	unexplained missing telemetry
29	583	1998-02-09T05:58	1998-02-09T06:48	unexplained missing telemetry
29	669	1998-02-12T06:04	1998-02-12T06:54	unexplained missing telemetry
29	720	1998-02-14T00:49	1998-02-14T01:40	unexplained missing telemetry
29	755	1998-02-15T06:10	1998-02-15T07:00	unexplained missing telemetry
29	836	1998-02-18T02:04	1998-02-18T02:54	unexplained missing telemetry
29	840	1998-02-18T05:25	1998-02-18T06:15	unexplained missing telemetry
29	980	1998-02-23T02:47	1998-02-23T03:37	unexplained missing telemetry
30	148	1998-03-01T01:18	1998-03-01T02:08	unexplained missing telemetry
30	262	1998-03-05T00:52	1998-03-05T01:42	unexplained missing telemetry
30	292	1998-03-06T02:01	1998-03-06T02:51	unexplained missing telemetry
30	376	1998-03-09T00:26	1998-03-09T01:17	unexplained missing telemetry
30	393	1998-03-09T14:41	1998-03-09T15:32	on-board anomaly
30	394	1998-03-09T15:32	1998-03-09T16:22	on-board anomaly
30	395	1998-03-09T16:22	1998-03-09T17:12	on-board anomaly
30	396	1998-03-09T17:12	1998-03-09T18:03	on-board anomaly
30	397	1998-03-09T18:03	1998-03-09T18:53	on-board anomaly
30	398	1998-03-09T18:53	1998-03-09T19:43	unexplained missing telemetry
30	399	1998-03-09T19:43	1998-03-09T20:33	unexplained missing telemetry
30	400	1998-03-09T20:33	1998-03-09T21:24	unexplained missing telemetry
30	434	1998-03-11T01:04	1998-03-11T01:54	unexplained missing telemetry
30	436	1998-03-11T02:44	1998-03-11T03:34	unexplained missing telemetry
30	462	1998-03-12T00:32	1998-03-12T01:22	unexplained missing telemetry
30	492	1998-03-13T01:41	1998-03-13T02:31	unexplained missing telemetry
30	546	1998-03-14T22:57	1998-03-14T23:47	unexplained missing telemetry
30	547	1998-03-14T23:47	1998-03-15T00:38	unexplained missing telemetry
30	548	1998-03-15T00:38	1998-03-15T01:28	unexplained missing telemetry
30	594	1998-03-16T15:11	1998-03-16T16:02	unexplained missing telemetry
30	598	1998-03-16T18:33	1998-03-16T19:23	unexplained missing telemetry
30	608	1998-03-17T02:56	1998-03-17T03:46	unexplained missing telemetry
30	609	1998-03-17T03:46	1998-03-17T04:36	unexplained missing telemetry

30	610	1998-03-17T04:36	1998-03-17T05:27	unexplained missing telemetry
30	617	1998-03-17T10:28	1998-03-17T11:19	unexplained missing telemetry
30	632	1998-03-17T23:03	1998-03-17T23:53	unexplained missing telemetry
30	662	1998-03-19T00:12	1998-03-19T01:02	unexplained missing telemetry
30	663	1998-03-19T01:02	1998-03-19T01:52	unexplained missing telemetry
30	664	1998-03-19T01:52	1998-03-19T02:43	unexplained missing telemetry
30	665	1998-03-19T02:43	1998-03-19T03:33	unexplained missing telemetry
30	666	1998-03-19T03:33	1998-03-19T04:23	unexplained missing telemetry
30	679	1998-03-19T14:27	1998-03-19T15:17	unexplained missing telemetry
30	695	1998-03-20T03:52	1998-03-20T04:42	unexplained missing telemetry
30	696	1998-03-20T04:42	1998-03-20T05:32	unexplained missing telemetry
30	782	1998-03-23T04:48	1998-03-23T05:38	unexplained missing telemetry
30	801	1998-03-23T20:43	1998-03-23T21:34	unexplained missing telemetry
30	804	1998-03-23T23:14	1998-03-24T00:05	unexplained missing telemetry
30	806	1998-03-24T00:55	1998-03-24T01:45	unexplained missing telemetry
30	807	1998-03-24T01:45	1998-03-24T02:36	unexplained missing telemetry
30	808	1998-03-24T02:36	1998-03-24T03:26	unexplained missing telemetry
30	809	1998-03-24T03:26	1998-03-24T04:16	unexplained missing telemetry
30	810	1998-03-24T04:16	1998-03-24T05:06	unexplained missing telemetry
30	811	1998-03-24T05:06	1998-03-24T05:57	unexplained missing telemetry
30	812	1998-03-24T05:57	1998-03-24T06:47	unexplained missing telemetry
30	819	1998-03-24T11:49	1998-03-24T12:39	unexplained missing telemetry
30	836	1998-03-25T02:04	1998-03-25T02:54	unexplained missing telemetry
30	837	1998-03-25T02:54	1998-03-25T03:45	unexplained missing telemetry
30	838	1998-03-25T03:45	1998-03-25T04:35	unexplained missing telemetry
30	840	1998-03-25T05:25	1998-03-25T06:15	unexplained missing telemetry
30	842	1998-03-25T07:06	1998-03-25T07:56	unexplained missing telemetry
30	845	1998-03-25T09:37	1998-03-25T10:27	unexplained missing telemetry
30	850	1998-03-25T13:48	1998-03-25T14:38	unexplained missing telemetry
30	862	1998-03-25T23:52	1998-03-26T00:42	unexplained missing telemetry
30	863	1998-03-26T00:42	1998-03-26T01:32	unexplained missing telemetry
30	864	1998-03-26T01:32	1998-03-26T02:23	unexplained missing telemetry
30	868	1998-03-26T04:54	1998-03-26T05:44	unexplained missing telemetry
30	916	1998-03-27T21:08	1998-03-27T21:58	unexplained missing telemetry
30	917	1998-03-27T21:58	1998-03-27T22:48	unexplained missing telemetry
30	918	1998-03-27T22:48	1998-03-27T23:39	unexplained missing telemetry
30	919	1998-03-27T23:39	1998-03-28T00:29	unexplained missing telemetry
30	920	1998-03-28T00:29	1998-03-28T01:19	unexplained missing telemetry
30	921	1998-03-28T01:19	1998-03-28T02:10	unexplained missing telemetry
30	922	1998-03-28T02:10	1998-03-28T03:00	unexplained missing telemetry
30	923	1998-03-28T03:00	1998-03-28T03:50	unexplained missing telemetry
30	924	1998-03-28T03:50	1998-03-28T04:41	unexplained missing telemetry
30	925	1998-03-28T04:41	1998-03-28T05:31	unexplained missing telemetry
30	926	1998-03-28T05:31	1998-03-28T06:21	unexplained missing telemetry
30	927	1998-03-28T06:21	1998-03-28T07:11	unexplained missing telemetry
30	928	1998-03-28T07:11	1998-03-28T08:02	unexplained missing telemetry
30	929	1998-03-28T08:02	1998-03-28T08:52	unexplained missing telemetry
30	930	1998-03-28T08:52	1998-03-28T09:42	unexplained missing telemetry

30	931	1998-03-28T09:42	1998-03-28T10:33	unexplained missing telemetry
30	932	1998-03-28T10:33	1998-03-28T11:23	unexplained missing telemetry
30	933	1998-03-28T11:23	1998-03-28T12:13	unexplained missing telemetry
30	934	1998-03-28T12:13	1998-03-28T13:04	unexplained missing telemetry
30	935	1998-03-28T13:04	1998-03-28T13:54	unexplained missing telemetry
30	936	1998-03-28T13:54	1998-03-28T14:44	unexplained missing telemetry
30	937	1998-03-28T14:44	1998-03-28T15:34	unexplained missing telemetry
30	938	1998-03-28T15:34	1998-03-28T16:25	unexplained missing telemetry
30	939	1998-03-28T16:25	1998-03-28T17:15	unexplained missing telemetry
30	940	1998-03-28T17:15	1998-03-28T18:05	unexplained missing telemetry
30	941	1998-03-28T18:05	1998-03-28T18:56	unexplained missing telemetry
30	942	1998-03-28T18:56	1998-03-28T19:46	unexplained missing telemetry
30	943	1998-03-28T19:46	1998-03-28T20:36	unexplained missing telemetry
30	944	1998-03-28T20:36	1998-03-28T21:27	unexplained missing telemetry
30	945	1998-03-28T21:27	1998-03-28T22:17	unexplained missing telemetry
30	946	1998-03-28T22:17	1998-03-28T23:07	unexplained missing telemetry
30	947	1998-03-28T23:07	1998-03-28T23:57	unexplained missing telemetry
30	948	1998-03-28T23:57	1998-03-29T00:48	unexplained missing telemetry
30	949	1998-03-29T00:48	1998-03-29T01:38	unexplained missing telemetry
30	950	1998-03-29T01:38	1998-03-29T02:28	unexplained missing telemetry
30	951	1998-03-29T02:28	1998-03-29T03:19	unexplained missing telemetry
30	952	1998-03-29T03:19	1998-03-29T04:09	unexplained missing telemetry
30	953	1998-03-29T04:09	1998-03-29T04:59	unexplained missing telemetry
30	954	1998-03-29T04:59	1998-03-29T05:50	unexplained missing telemetry
30	955	1998-03-29T05:50	1998-03-29T06:40	unexplained missing telemetry
30	956	1998-03-29T06:40	1998-03-29T07:30	unexplained missing telemetry
30	957	1998-03-29T07:30	1998-03-29T08:20	unexplained missing telemetry
30	958	1998-03-29T08:20	1998-03-29T09:11	unexplained missing telemetry
30	959	1998-03-29T09:11	1998-03-29T10:01	unexplained missing telemetry
30	960	1998-03-29T10:01	1998-03-29T10:51	unexplained missing telemetry
30	961	1998-03-29T10:51	1998-03-29T11:42	unexplained missing telemetry
30	962	1998-03-29T11:42	1998-03-29T12:32	unexplained missing telemetry
30	963	1998-03-29T12:32	1998-03-29T13:22	unexplained missing telemetry
30	964	1998-03-29T13:22	1998-03-29T14:13	unexplained missing telemetry
30	965	1998-03-29T14:13	1998-03-29T15:03	unexplained missing telemetry
30	966	1998-03-29T15:03	1998-03-29T15:53	unexplained missing telemetry
30	967	1998-03-29T15:53	1998-03-29T16:43	unexplained missing telemetry
30	968	1998-03-29T16:43	1998-03-29T17:34	unexplained missing telemetry
30	969	1998-03-29T17:34	1998-03-29T18:24	unexplained missing telemetry
30	970	1998-03-29T18:24	1998-03-29T19:14	unexplained missing telemetry
30	971	1998-03-29T19:14	1998-03-29T20:05	unexplained missing telemetry
30	972	1998-03-29T20:05	1998-03-29T20:55	unexplained missing telemetry
30	973	1998-03-29T20:55	1998-03-29T21:45	unexplained missing telemetry
30	974	1998-03-29T21:45	1998-03-29T22:36	unexplained missing telemetry
30	975	1998-03-29T22:36	1998-03-29T23:26	unexplained missing telemetry
30	976	1998-03-29T23:26	1998-03-30T00:16	unexplained missing telemetry
30	977	1998-03-30T00:16	1998-03-30T01:06	unexplained missing telemetry
30	978	1998-03-30T01:06	1998-03-30T01:57	unexplained missing telemetry

30	979	1998-03-30T01:57	1998-03-30T02:47	unexplained missing telemetry
30	980	1998-03-30T02:47	1998-03-30T03:37	unexplained missing telemetry
30	981	1998-03-30T03:37	1998-03-30T04:28	unexplained missing telemetry
30	982	1998-03-30T04:28	1998-03-30T05:18	unexplained missing telemetry
30	983	1998-03-30T05:18	1998-03-30T06:08	unexplained missing telemetry
30	984	1998-03-30T06:08	1998-03-30T06:59	unexplained missing telemetry
30	985	1998-03-30T06:59	1998-03-30T07:49	unexplained missing telemetry
30	987	1998-03-30T08:39	1998-03-30T09:29	unexplained missing telemetry
30	988	1998-03-30T09:29	1998-03-30T10:20	unexplained missing telemetry
30	989	1998-03-30T10:20	1998-03-30T11:10	unexplained missing telemetry
30	990	1998-03-30T11:10	1998-03-30T12:00	unexplained missing telemetry
30	991	1998-03-30T12:00	1998-03-30T12:51	unexplained missing telemetry
30	992	1998-03-30T12:51	1998-03-30T13:41	unexplained missing telemetry
30	993	1998-03-30T13:41	1998-03-30T14:31	unexplained missing telemetry
30	994	1998-03-30T14:31	1998-03-30T15:22	unexplained missing telemetry
30	995	1998-03-30T15:22	1998-03-30T16:12	unexplained missing telemetry
30	996	1998-03-30T16:12	1998-03-30T17:02	unexplained missing telemetry
30	997	1998-03-30T17:02	1998-03-30T17:52	unexplained missing telemetry
30	998	1998-03-30T17:52	1998-03-30T18:43	unexplained missing telemetry
30	999	1998-03-30T18:43	1998-03-30T19:33	unexplained missing telemetry
30	1000	1998-03-30T19:33	1998-03-30T20:23	unexplained missing telemetry
30	1001	1998-03-30T20:23	1998-03-30T21:14	unexplained missing telemetry
30	1002	1998-03-30T21:14	1998-03-30T22:04	unexplained missing telemetry
31	1	1998-03-30T22:04	1998-03-30T22:54	unexplained missing telemetry
31	2	1998-03-30T22:54	1998-03-30T23:45	unexplained missing telemetry
31	3	1998-03-30T23:45	1998-03-31T00:35	unexplained missing telemetry
31	4	1998-03-31T00:35	1998-03-31T01:25	unexplained missing telemetry
31	5	1998-03-31T01:25	1998-03-31T02:15	unexplained missing telemetry
31	6	1998-03-31T02:15	1998-03-31T03:06	unexplained missing telemetry
31	7	1998-03-31T03:06	1998-03-31T03:56	unexplained missing telemetry
31	8	1998-03-31T03:56	1998-03-31T04:46	unexplained missing telemetry
31	9	1998-03-31T04:46	1998-03-31T05:37	unexplained missing telemetry
31	10	1998-03-31T05:37	1998-03-31T06:27	unexplained missing telemetry
31	11	1998-03-31T06:27	1998-03-31T07:17	unexplained missing telemetry
31	12	1998-03-31T07:17	1998-03-31T08:08	unexplained missing telemetry
31	13	1998-03-31T08:08	1998-03-31T08:58	unexplained missing telemetry
31	14	1998-03-31T08:58	1998-03-31T09:48	unexplained missing telemetry
31	15	1998-03-31T09:48	1998-03-31T10:38	unexplained missing telemetry
31	16	1998-03-31T10:38	1998-03-31T11:29	unexplained missing telemetry
31	17	1998-03-31T11:29	1998-03-31T12:19	unexplained missing telemetry
31	18	1998-03-31T12:19	1998-03-31T13:09	unexplained missing telemetry
31	19	1998-03-31T13:09	1998-03-31T14:00	unexplained missing telemetry
31	20	1998-03-31T14:00	1998-03-31T14:50	unexplained missing telemetry
31	21	1998-03-31T14:50	1998-03-31T15:40	unexplained missing telemetry
31	22	1998-03-31T15:40	1998-03-31T16:31	unexplained missing telemetry
31	23	1998-03-31T16:31	1998-03-31T17:21	unexplained missing telemetry
31	24	1998-03-31T17:21	1998-03-31T18:11	unexplained missing telemetry
31	25	1998-03-31T18:11	1998-03-31T19:01	unexplained missing telemetry



31	26	1998-03-31T19:01	1998-03-31T19:52	unexplained missing telemetry
31	27	1998-03-31T19:52	1998-03-31T20:42	unexplained missing telemetry
31	28	1998-03-31T20:42	1998-03-31T21:32	unexplained missing telemetry
31	29	1998-03-31T21:32	1998-03-31T22:23	unexplained missing telemetry
31	30	1998-03-31T22:23	1998-03-31T23:13	unexplained missing telemetry
31	31	1998-03-31T23:13	1998-04-01T00:03	unexplained missing telemetry
31	32	1998-04-01T00:03	1998-04-01T00:54	unexplained missing telemetry
31	33	1998-04-01T00:54	1998-04-01T01:44	unexplained missing telemetry
31	34	1998-04-01T01:44	1998-04-01T02:34	unexplained missing telemetry
31	35	1998-04-01T02:34	1998-04-01T03:24	unexplained missing telemetry
31	36	1998-04-01T03:24	1998-04-01T04:15	unexplained missing telemetry
31	37	1998-04-01T04:15	1998-04-01T05:05	unexplained missing telemetry
31	38	1998-04-01T05:05	1998-04-01T05:55	unexplained missing telemetry
31	39	1998-04-01T05:55	1998-04-01T06:46	unexplained missing telemetry
31	40	1998-04-01T06:46	1998-04-01T07:36	unexplained missing telemetry
31	41	1998-04-01T07:36	1998-04-01T08:26	unexplained missing telemetry
31	42	1998-04-01T08:26	1998-04-01T09:17	unexplained missing telemetry
31	43	1998-04-01T09:17	1998-04-01T10:07	unexplained missing telemetry
31	44	1998-04-01T10:07	1998-04-01T10:57	unexplained missing telemetry
31	45	1998-04-01T10:57	1998-04-01T11:47	unexplained missing telemetry
31	46	1998-04-01T11:47	1998-04-01T12:38	unexplained missing telemetry
31	47	1998-04-01T12:38	1998-04-01T13:28	unexplained missing telemetry
31	48	1998-04-01T13:28	1998-04-01T14:18	unexplained missing telemetry
31	49	1998-04-01T14:18	1998-04-01T15:09	unexplained missing telemetry
31	50	1998-04-01T15:09	1998-04-01T15:59	unexplained missing telemetry
31	51	1998-04-01T15:59	1998-04-01T16:49	unexplained missing telemetry
31	52	1998-04-01T16:49	1998-04-01T17:40	unexplained missing telemetry
31	53	1998-04-01T17:40	1998-04-01T18:30	unexplained missing telemetry
31	54	1998-04-01T18:30	1998-04-01T19:20	unexplained missing telemetry
31	55	1998-04-01T19:20	1998-04-01T20:10	unexplained missing telemetry
31	56	1998-04-01T20:10	1998-04-01T21:01	unexplained missing telemetry
31	57	1998-04-01T21:01	1998-04-01T21:51	unexplained missing telemetry
31	58	1998-04-01T21:51	1998-04-01T22:41	unexplained missing telemetry
31	59	1998-04-01T22:41	1998-04-01T23:32	unexplained missing telemetry
31	60	1998-04-01T23:32	1998-04-02T00:22	unexplained missing telemetry
31	61	1998-04-02T00:22	1998-04-02T01:12	unexplained missing telemetry
31	62	1998-04-02T01:12	1998-04-02T02:03	unexplained missing telemetry
31	63	1998-04-02T02:03	1998-04-02T02:53	unexplained missing telemetry
31	64	1998-04-02T02:53	1998-04-02T03:43	unexplained missing telemetry
31	65	1998-04-02T03:43	1998-04-02T04:33	unexplained missing telemetry
31	66	1998-04-02T04:33	1998-04-02T05:24	unexplained missing telemetry
31	67	1998-04-02T05:24	1998-04-02T06:14	unexplained missing telemetry
31	68	1998-04-02T06:14	1998-04-02T07:04	unexplained missing telemetry
31	69	1998-04-02T07:04	1998-04-02T07:55	unexplained missing telemetry
31	70	1998-04-02T07:55	1998-04-02T08:45	unexplained missing telemetry
31	71	1998-04-02T08:45	1998-04-02T09:35	unexplained missing telemetry
31	72	1998-04-02T09:35	1998-04-02T10:26	unexplained missing telemetry
31	73	1998-04-02T10:26	1998-04-02T11:16	unexplained missing telemetry



31	74	1998-04-02T11:16	1998-04-02T12:06	unexplained missing telemetry
31	75	1998-04-02T12:06	1998-04-02T12:56	unexplained missing telemetry
31	76	1998-04-02T12:56	1998-04-02T13:47	unexplained missing telemetry
31	77	1998-04-02T13:47	1998-04-02T14:37	unexplained missing telemetry
31	78	1998-04-02T14:37	1998-04-02T15:27	unexplained missing telemetry
31	79	1998-04-02T15:27	1998-04-02T16:18	unexplained missing telemetry
31	80	1998-04-02T16:18	1998-04-02T17:08	unexplained missing telemetry
31	81	1998-04-02T17:08	1998-04-02T17:58	unexplained missing telemetry
31	82	1998-04-02T17:58	1998-04-02T18:48	unexplained missing telemetry
31	83	1998-04-02T18:48	1998-04-02T19:39	unexplained missing telemetry
31	84	1998-04-02T19:39	1998-04-02T20:29	unexplained missing telemetry
31	85	1998-04-02T20:29	1998-04-02T21:19	unexplained missing telemetry
31	86	1998-04-02T21:19	1998-04-02T22:10	unexplained missing telemetry
31	87	1998-04-02T22:10	1998-04-02T23:00	unexplained missing telemetry
31	88	1998-04-02T23:00	1998-04-02T23:50	unexplained missing telemetry
31	89	1998-04-02T23:50	1998-04-03T00:41	unexplained missing telemetry
31	90	1998-04-03T00:41	1998-04-03T01:31	unexplained missing telemetry
31	91	1998-04-03T01:31	1998-04-03T02:21	unexplained missing telemetry
31	92	1998-04-03T02:21	1998-04-03T03:11	unexplained missing telemetry
31	93	1998-04-03T03:11	1998-04-03T04:02	unexplained missing telemetry
31	94	1998-04-03T04:02	1998-04-03T04:52	unexplained missing telemetry
31	95	1998-04-03T04:52	1998-04-03T05:42	unexplained missing telemetry
31	96	1998-04-03T05:42	1998-04-03T06:33	unexplained missing telemetry
31	97	1998-04-03T06:33	1998-04-03T07:23	unexplained missing telemetry
31	98	1998-04-03T07:23	1998-04-03T08:13	unexplained missing telemetry
31	99	1998-04-03T08:13	1998-04-03T09:04	unexplained missing telemetry
31	100	1998-04-03T09:04	1998-04-03T09:54	unexplained missing telemetry
31	101	1998-04-03T09:54	1998-04-03T10:44	unexplained missing telemetry
31	102	1998-04-03T10:44	1998-04-03T11:34	unexplained missing telemetry
31	103	1998-04-03T11:34	1998-04-03T12:25	unexplained missing telemetry
31	104	1998-04-03T12:25	1998-04-03T13:15	unexplained missing telemetry
31	105	1998-04-03T13:15	1998-04-03T14:05	unexplained missing telemetry
31	106	1998-04-03T14:05	1998-04-03T14:56	unexplained missing telemetry
31	107	1998-04-03T14:56	1998-04-03T15:46	unexplained missing telemetry
31	108	1998-04-03T15:46	1998-04-03T16:36	onboard anomaly, MWR switched off
31	109	1998-04-03T16:36	1998-04-03T17:27	onboard anomaly, MWR switched off
31	110	1998-04-03T17:27	1998-04-03T18:17	onboard anomaly, MWR switched off
31	111	1998-04-03T18:17	1998-04-03T19:07	onboard anomaly, MWR switched off
31	112	1998-04-03T19:07	1998-04-03T19:57	onboard anomaly, MWR switched off
31	113	1998-04-03T19:57	1998-04-03T20:48	onboard anomaly, MWR switched off
31	114	1998-04-03T20:48	1998-04-03T21:38	onboard anomaly, MWR switched off
31	115	1998-04-03T21:38	1998-04-03T22:28	onboard anomaly, MWR switched off
31	116	1998-04-03T22:28	1998-04-03T23:19	onboard anomaly, MWR switched off
31	117	1998-04-03T23:19	1998-04-04T00:09	onboard anomaly, MWR switched off
31	118	1998-04-04T00:09	1998-04-04T00:59	onboard anomaly, MWR switched off
31	119	1998-04-04T00:59	1998-04-04T01:50	onboard anomaly, MWR switched off
31	120	1998-04-04T01:50	1998-04-04T02:40	onboard anomaly, MWR switched off
31	121	1998-04-04T02:40	1998-04-04T03:30	onboard anomaly, MWR switched off

31	122	1998-04-04T03:30	1998-04-04T04:20	onboard anomaly, MWR switched off
31	123	1998-04-04T04:20	1998-04-04T05:11	onboard anomaly, MWR switched off
31	124	1998-04-04T05:11	1998-04-04T06:01	onboard anomaly, MWR switched off
31	125	1998-04-04T06:01	1998-04-04T06:51	onboard anomaly, MWR switched off
31	126	1998-04-04T06:51	1998-04-04T07:42	onboard anomaly, MWR switched off
31	127	1998-04-04T07:42	1998-04-04T08:32	onboard anomaly, MWR switched off
31	128	1998-04-04T08:32	1998-04-04T09:22	onboard anomaly, MWR switched off
31	129	1998-04-04T09:22	1998-04-04T10:13	onboard anomaly, MWR switched off
31	130	1998-04-04T10:13	1998-04-04T11:03	onboard anomaly, MWR switched off
31	131	1998-04-04T11:03	1998-04-04T11:53	onboard anomaly, MWR switched off
31	132	1998-04-04T11:53	1998-04-04T12:43	onboard anomaly, MWR switched off
31	133	1998-04-04T12:43	1998-04-04T13:34	onboard anomaly, MWR switched off
31	134	1998-04-04T13:34	1998-04-04T14:24	onboard anomaly, MWR switched off
31	135	1998-04-04T14:24	1998-04-04T15:14	onboard anomaly, MWR switched off
31	136	1998-04-04T15:14	1998-04-04T16:05	onboard anomaly, MWR switched off
31	137	1998-04-04T16:05	1998-04-04T16:55	onboard anomaly, MWR switched off
31	138	1998-04-04T16:55	1998-04-04T17:45	onboard anomaly, MWR switched off
31	139	1998-04-04T17:45	1998-04-04T18:36	onboard anomaly, MWR switched off
31	140	1998-04-04T18:36	1998-04-04T19:26	onboard anomaly, MWR switched off
31	141	1998-04-04T19:26	1998-04-04T20:16	onboard anomaly, MWR switched off
31	142	1998-04-04T20:16	1998-04-04T21:06	onboard anomaly, MWR switched off
31	143	1998-04-04T21:06	1998-04-04T21:57	onboard anomaly, MWR switched off
31	144	1998-04-04T21:57	1998-04-04T22:47	onboard anomaly, MWR switched off
31	145	1998-04-04T22:47	1998-04-04T23:37	onboard anomaly, MWR switched off
31	146	1998-04-04T23:37	1998-04-05T00:28	onboard anomaly, MWR switched off
31	147	1998-04-05T00:28	1998-04-05T01:18	onboard anomaly, MWR switched off
31	148	1998-04-05T01:18	1998-04-05T02:08	onboard anomaly, MWR switched off
31	149	1998-04-05T02:08	1998-04-05T02:59	onboard anomaly, MWR switched off
31	150	1998-04-05T02:59	1998-04-05T03:49	onboard anomaly, MWR switched off
31	151	1998-04-05T03:49	1998-04-05T04:39	onboard anomaly, MWR switched off
31	152	1998-04-05T04:39	1998-04-05T05:29	onboard anomaly, MWR switched off
31	153	1998-04-05T05:29	1998-04-05T06:20	onboard anomaly, MWR switched off
31	154	1998-04-05T06:20	1998-04-05T07:10	onboard anomaly, MWR switched off
31	155	1998-04-05T07:10	1998-04-05T08:00	onboard anomaly, MWR switched off
31	156	1998-04-05T08:00	1998-04-05T08:51	onboard anomaly, MWR switched off
31	157	1998-04-05T08:51	1998-04-05T09:41	onboard anomaly, MWR switched off
31	158	1998-04-05T09:41	1998-04-05T10:31	onboard anomaly, MWR switched off
31	159	1998-04-05T10:31	1998-04-05T11:22	onboard anomaly, MWR switched off
31	160	1998-04-05T11:22	1998-04-05T12:12	onboard anomaly, MWR switched off
31	161	1998-04-05T12:12	1998-04-05T13:02	onboard anomaly, MWR switched off
31	162	1998-04-05T13:02	1998-04-05T13:52	onboard anomaly, MWR switched off
31	163	1998-04-05T13:52	1998-04-05T14:43	onboard anomaly, MWR switched off
31	164	1998-04-05T14:43	1998-04-05T15:33	onboard anomaly, MWR switched off
31	165	1998-04-05T15:33	1998-04-05T16:23	onboard anomaly, MWR switched off
31	166	1998-04-05T16:23	1998-04-05T17:14	onboard anomaly, MWR switched off
31	167	1998-04-05T17:14	1998-04-05T18:04	onboard anomaly, MWR switched off
31	168	1998-04-05T18:04	1998-04-05T18:54	onboard anomaly, MWR switched off
31	169	1998-04-05T18:54	1998-04-05T19:45	onboard anomaly, MWR switched off

31	170	1998-04-05T19:45	1998-04-05T20:35	onboard anomaly, MWR switched off
31	171	1998-04-05T20:35	1998-04-05T21:25	onboard anomaly, MWR switched off
31	172	1998-04-05T21:25	1998-04-05T22:15	onboard anomaly, MWR switched off
31	173	1998-04-05T22:15	1998-04-05T23:06	onboard anomaly, MWR switched off
31	174	1998-04-05T23:06	1998-04-05T23:56	onboard anomaly, MWR switched off
31	175	1998-04-05T23:56	1998-04-06T00:46	onboard anomaly, MWR switched off
31	176	1998-04-06T00:46	1998-04-06T01:37	onboard anomaly, MWR switched off
31	177	1998-04-06T01:37	1998-04-06T02:27	onboard anomaly, MWR switched off
31	178	1998-04-06T02:27	1998-04-06T03:17	onboard anomaly, MWR switched off
31	179	1998-04-06T03:17	1998-04-06T04:08	onboard anomaly, MWR switched off
31	180	1998-04-06T04:08	1998-04-06T04:58	onboard anomaly, MWR switched off
31	181	1998-04-06T04:58	1998-04-06T05:48	onboard anomaly, MWR switched off
31	182	1998-04-06T05:48	1998-04-06T06:38	onboard anomaly, MWR switched off
31	183	1998-04-06T06:38	1998-04-06T07:29	onboard anomaly, MWR switched off
31	184	1998-04-06T07:29	1998-04-06T08:19	onboard anomaly, MWR switched off
31	185	1998-04-06T08:19	1998-04-06T09:09	onboard anomaly, MWR switched off
31	186	1998-04-06T09:09	1998-04-06T10:00	onboard anomaly, MWR switched off
31	187	1998-04-06T10:00	1998-04-06T10:50	onboard anomaly, MWR switched off
31	188	1998-04-06T10:50	1998-04-06T11:40	onboard anomaly, MWR switched off
31	189	1998-04-06T11:40	1998-04-06T12:31	onboard anomaly, MWR switched off
31	190	1998-04-06T12:31	1998-04-06T13:21	onboard anomaly, MWR switched off
31	191	1998-04-06T13:21	1998-04-06T14:11	onboard anomaly, MWR switched off
31	204	1998-04-07T00:15	1998-04-07T01:05	unexplained missing telemetry
31	257	1998-04-08T20:41	1998-04-08T21:31	unexplained missing telemetry
31	295	1998-04-10T04:32	1998-04-10T05:22	unexplained missing telemetry
31	296	1998-04-10T05:22	1998-04-10T06:13	unexplained missing telemetry
31	403	1998-04-13T23:04	1998-04-13T23:55	unexplained missing telemetry
31	404	1998-04-13T23:55	1998-04-14T00:45	unexplained missing telemetry
31	412	1998-04-14T06:37	1998-04-14T07:27	unexplained missing telemetry
31	436	1998-04-15T02:44	1998-04-15T03:34	unexplained missing telemetry
31	440	1998-04-15T06:05	1998-04-15T06:56	unexplained missing telemetry
31	490	1998-04-17T00:00	1998-04-17T00:51	unexplained missing telemetry
31	492	1998-04-17T01:41	1998-04-17T02:31	unexplained missing telemetry
31	518	1998-04-17T23:29	1998-04-18T00:19	unexplained missing telemetry
31	552	1998-04-19T03:59	1998-04-19T04:49	unexplained missing telemetry
31	579	1998-04-20T02:37	1998-04-20T03:27	unexplained missing telemetry
31	580	1998-04-20T03:27	1998-04-20T04:18	unexplained missing telemetry
31	583	1998-04-20T05:58	1998-04-20T06:48	unexplained missing telemetry
31	679	1998-04-23T14:27	1998-04-23T15:17	unexplained missing telemetry
31	698	1998-04-24T06:23	1998-04-24T07:13	unexplained missing telemetry
31	733	1998-04-25T11:43	1998-04-25T12:33	unexplained missing telemetry
31	746	1998-04-25T22:37	1998-04-25T23:27	unexplained missing telemetry
31	812	1998-04-28T05:57	1998-04-28T06:47	unexplained missing telemetry
31	832	1998-04-28T22:43	1998-04-28T23:33	unexplained missing telemetry
31	890	1998-04-30T23:20	1998-05-01T00:10	unexplained missing telemetry
31	913	1998-05-01T18:37	1998-05-01T19:27	unexplained missing telemetry
31	948	1998-05-02T23:57	1998-05-03T00:48	unexplained missing telemetry
31	954	1998-05-03T04:59	1998-05-03T05:50	unexplained missing telemetry

31	956	1998-05-03T06:40	1998-05-03T07:30	unexplained missing telemetry
31	976	1998-05-03T23:26	1998-05-04T00:16	unexplained missing telemetry
31	982	1998-05-04T04:28	1998-05-04T05:18	unexplained missing telemetry
31	993	1998-05-04T13:41	1998-05-04T14:31	unexplained missing telemetry
32	5	1998-05-05T01:25	1998-05-05T02:15	unexplained missing telemetry
32	6	1998-05-05T02:15	1998-05-05T03:06	unexplained missing telemetry
32	10	1998-05-05T05:37	1998-05-05T06:27	unexplained missing telemetry
32	35	1998-05-06T02:34	1998-05-06T03:24	unexplained missing telemetry
32	36	1998-05-06T03:24	1998-05-06T04:15	unexplained missing telemetry
32	60	1998-05-06T23:32	1998-05-07T00:22	unexplained missing telemetry
32	68	1998-05-07T06:14	1998-05-07T07:04	unexplained missing telemetry
32	89	1998-05-07T23:50	1998-05-08T00:41	unexplained missing telemetry
32	90	1998-05-08T00:41	1998-05-08T01:31	unexplained missing telemetry
32	91	1998-05-08T01:31	1998-05-08T02:21	unexplained missing telemetry
32	92	1998-05-08T02:21	1998-05-08T03:11	unexplained missing telemetry
32	93	1998-05-08T03:11	1998-05-08T04:02	unexplained missing telemetry
32	94	1998-05-08T04:02	1998-05-08T04:52	unexplained missing telemetry
32	125	1998-05-09T06:01	1998-05-09T06:51	unexplained missing telemetry
32	152	1998-05-10T04:39	1998-05-10T05:29	unexplained missing telemetry
32	210	1998-05-12T05:17	1998-05-12T06:07	unexplained missing telemetry
32	431	1998-05-19T22:33	1998-05-19T23:23	unexplained missing telemetry
32	432	1998-05-19T23:23	1998-05-20T00:13	unexplained missing telemetry
32	690	1998-05-28T23:40	1998-05-29T00:31	unexplained missing telemetry
32	691	1998-05-29T00:31	1998-05-29T01:21	unexplained missing telemetry
32	692	1998-05-29T01:21	1998-05-29T02:11	unexplained missing telemetry
32	693	1998-05-29T02:11	1998-05-29T03:01	unexplained missing telemetry
32	694	1998-05-29T03:01	1998-05-29T03:52	unexplained missing telemetry
32	852	1998-06-03T15:29	1998-06-03T16:19	unexplained missing telemetry
32	853	1998-06-03T16:19	1998-06-03T17:09	unexplained missing telemetry
32	854	1998-06-03T17:09	1998-06-03T18:00	unexplained missing telemetry
32	855	1998-06-03T18:00	1998-06-03T18:50	unexplained missing telemetry
32	856	1998-06-03T18:50	1998-06-03T19:40	unexplained missing telemetry
32	857	1998-06-03T19:40	1998-06-03T20:31	unexplained missing telemetry
32	858	1998-06-03T20:31	1998-06-03T21:21	unexplained missing telemetry
32	859	1998-06-03T21:21	1998-06-03T22:11	unexplained missing telemetry
32	860	1998-06-03T22:11	1998-06-03T23:01	unexplained missing telemetry
32	861	1998-06-03T23:01	1998-06-03T23:52	unexplained missing telemetry
32	862	1998-06-03T23:52	1998-06-04T00:42	unexplained missing telemetry
32	863	1998-06-04T00:42	1998-06-04T01:32	unexplained missing telemetry
32	864	1998-06-04T01:32	1998-06-04T02:23	unexplained missing telemetry
32	865	1998-06-04T02:23	1998-06-04T03:13	unexplained missing telemetry
32	866	1998-06-04T03:13	1998-06-04T04:03	unexplained missing telemetry
32	867	1998-06-04T04:03	1998-06-04T04:54	unexplained missing telemetry
32	868	1998-06-04T04:54	1998-06-04T05:44	unexplained missing telemetry
32	869	1998-06-04T05:44	1998-06-04T06:34	unexplained missing telemetry
32	870	1998-06-04T06:34	1998-06-04T07:24	unexplained missing telemetry
32	871	1998-06-04T07:24	1998-06-04T08:15	unexplained missing telemetry
32	872	1998-06-04T08:15	1998-06-04T09:05	unexplained missing telemetry

32	873	1998-06-04T09:05	1998-06-04T09:55	unexplained missing telemetry
32	874	1998-06-04T09:55	1998-06-04T10:46	unexplained missing telemetry
32	875	1998-06-04T10:46	1998-06-04T11:36	unexplained missing telemetry
32	876	1998-06-04T11:36	1998-06-04T12:26	unexplained missing telemetry
32	877	1998-06-04T12:26	1998-06-04T13:17	unexplained missing telemetry
32	878	1998-06-04T13:17	1998-06-04T14:07	unexplained missing telemetry
32	879	1998-06-04T14:07	1998-06-04T14:57	unexplained missing telemetry
32	880	1998-06-04T14:57	1998-06-04T15:47	unexplained missing telemetry
32	881	1998-06-04T15:47	1998-06-04T16:38	unexplained missing telemetry
32	882	1998-06-04T16:38	1998-06-04T17:28	unexplained missing telemetry
32	883	1998-06-04T17:28	1998-06-04T18:18	unexplained missing telemetry
32	884	1998-06-04T18:18	1998-06-04T19:09	unexplained missing telemetry
32	885	1998-06-04T19:09	1998-06-04T19:59	unexplained missing telemetry
32	886	1998-06-04T19:59	1998-06-04T20:49	unexplained missing telemetry
32	887	1998-06-04T20:49	1998-06-04T21:40	unexplained missing telemetry
32	888	1998-06-04T21:40	1998-06-04T22:30	unexplained missing telemetry
32	889	1998-06-04T22:30	1998-06-04T23:20	unexplained missing telemetry
32	890	1998-06-04T23:20	1998-06-05T00:10	unexplained missing telemetry
32	891	1998-06-05T00:10	1998-06-05T01:01	unexplained missing telemetry
32	892	1998-06-05T01:01	1998-06-05T01:51	unexplained missing telemetry
32	893	1998-06-05T01:51	1998-06-05T02:41	unexplained missing telemetry
32	894	1998-06-05T02:41	1998-06-05T03:32	unexplained missing telemetry
32	895	1998-06-05T03:32	1998-06-05T04:22	unexplained missing telemetry
32	896	1998-06-05T04:22	1998-06-05T05:12	unexplained missing telemetry
32	897	1998-06-05T05:12	1998-06-05T06:03	unexplained missing telemetry
32	898	1998-06-05T06:03	1998-06-05T06:53	unexplained missing telemetry
32	899	1998-06-05T06:53	1998-06-05T07:43	unexplained missing telemetry
32	900	1998-06-05T07:43	1998-06-05T08:33	unexplained missing telemetry
32	901	1998-06-05T08:33	1998-06-05T09:24	unexplained missing telemetry
32	902	1998-06-05T09:24	1998-06-05T10:14	unexplained missing telemetry
32	903	1998-06-05T10:14	1998-06-05T11:04	unexplained missing telemetry
32	904	1998-06-05T11:04	1998-06-05T11:55	unexplained missing telemetry
32	905	1998-06-05T11:55	1998-06-05T12:45	unexplained missing telemetry
32	906	1998-06-05T12:45	1998-06-05T13:35	unexplained missing telemetry
32	907	1998-06-05T13:35	1998-06-05T14:26	unexplained missing telemetry
32	908	1998-06-05T14:26	1998-06-05T15:16	unexplained missing telemetry
32	909	1998-06-05T15:16	1998-06-05T16:06	unexplained missing telemetry
32	910	1998-06-05T16:06	1998-06-05T16:56	unexplained missing telemetry
32	911	1998-06-05T16:56	1998-06-05T17:47	unexplained missing telemetry
32	912	1998-06-05T17:47	1998-06-05T18:37	unexplained missing telemetry
32	913	1998-06-05T18:37	1998-06-05T19:27	unexplained missing telemetry
32	914	1998-06-05T19:27	1998-06-05T20:18	unexplained missing telemetry
32	915	1998-06-05T20:18	1998-06-05T21:08	unexplained missing telemetry
32	916	1998-06-05T21:08	1998-06-05T21:58	unexplained missing telemetry
32	917	1998-06-05T21:58	1998-06-05T22:48	unexplained missing telemetry
32	918	1998-06-05T22:48	1998-06-05T23:39	unexplained missing telemetry
32	919	1998-06-05T23:39	1998-06-06T00:29	unexplained missing telemetry
32	920	1998-06-06T00:29	1998-06-06T01:19	unexplained missing telemetry

32	921	1998-06-06T01:19	1998-06-06T02:10	unexplained missing telemetry
32	922	1998-06-06T02:10	1998-06-06T03:00	unexplained missing telemetry
32	923	1998-06-06T03:00	1998-06-06T03:50	unexplained missing telemetry
32	924	1998-06-06T03:50	1998-06-06T04:41	unexplained missing telemetry
32	925	1998-06-06T04:41	1998-06-06T05:31	unexplained missing telemetry
32	926	1998-06-06T05:31	1998-06-06T06:21	unexplained missing telemetry
32	927	1998-06-06T06:21	1998-06-06T07:11	unexplained missing telemetry
32	928	1998-06-06T07:11	1998-06-06T08:02	unexplained missing telemetry
32	929	1998-06-06T08:02	1998-06-06T08:52	unexplained missing telemetry
32	930	1998-06-06T08:52	1998-06-06T09:42	unexplained missing telemetry
32	931	1998-06-06T09:42	1998-06-06T10:33	unexplained missing telemetry
32	932	1998-06-06T10:33	1998-06-06T11:23	unexplained missing telemetry
32	933	1998-06-06T11:23	1998-06-06T12:13	unexplained missing telemetry
32	936	1998-06-06T13:54	1998-06-06T14:44	unexplained missing telemetry
32	937	1998-06-06T14:44	1998-06-06T15:34	unexplained missing telemetry
32	938	1998-06-06T15:34	1998-06-06T16:25	unexplained missing telemetry
32	939	1998-06-06T16:25	1998-06-06T17:15	unexplained missing telemetry
33	266	1998-06-18T04:13	1998-06-18T05:04	unexplained missing telemetry
34	290	1998-07-24T00:20	1998-07-24T01:11	unexplained missing telemetry
34	291	1998-07-24T01:11	1998-07-24T02:01	unexplained missing telemetry
34	292	1998-07-24T02:01	1998-07-24T02:51	unexplained missing telemetry
34	404	1998-07-27T23:55	1998-07-28T00:45	unexplained missing telemetry
34	405	1998-07-28T00:45	1998-07-28T01:35	unexplained missing telemetry
34	406	1998-07-28T01:35	1998-07-28T02:26	unexplained missing telemetry
34	407	1998-07-28T02:26	1998-07-28T03:16	unexplained missing telemetry
34	408	1998-07-28T03:16	1998-07-28T04:06	unexplained missing telemetry
34	866	1998-08-13T03:13	1998-08-13T04:03	unexplained missing telemetry
35	32	1998-08-19T00:03	1998-08-19T00:54	unexplained missing telemetry
35	33	1998-08-19T00:54	1998-08-19T01:44	unexplained missing telemetry
35	34	1998-08-19T01:44	1998-08-19T02:34	unexplained missing telemetry
35	830	1998-09-15T21:02	1998-09-15T21:52	MWR unavailable
35	831	1998-09-15T21:52	1998-09-15T22:43	MWR unavailable
35	832	1998-09-15T22:43	1998-09-15T23:33	MWR unavailable
35	833	1998-09-15T23:33	1998-09-16T00:23	MWR unavailable
35	834	1998-09-16T00:23	1998-09-16T01:14	MWR unavailable
35	835	1998-09-16T01:14	1998-09-16T02:04	MWR unavailable
35	836	1998-09-16T02:04	1998-09-16T02:54	MWR unavailable
35	837	1998-09-16T02:54	1998-09-16T03:45	MWR unavailable
35	838	1998-09-16T03:45	1998-09-16T04:35	MWR unavailable
35	839	1998-09-16T04:35	1998-09-16T05:25	MWR unavailable
35	840	1998-09-16T05:25	1998-09-16T06:15	MWR unavailable
35	841	1998-09-16T06:15	1998-09-16T07:06	MWR unavailable
35	842	1998-09-16T07:06	1998-09-16T07:56	MWR unavailable
35	843	1998-09-16T07:56	1998-09-16T08:46	MWR unavailable
36	939	1998-10-24T16:25	1998-10-24T17:15	unexplained missing telemetry
37	621	1998-11-17T13:50	1998-11-17T14:40	MWR unavailable (preventive measure due to leonide storm)
37	622	1998-11-17T14:40	1998-11-17T15:30	MWR unavailable (preventive measure due to leonide storm)
37	623	1998-11-17T15:30	1998-11-17T16:20	MWR unavailable (preventive measure due to leonide storm)

37	624	1998-11-17T16:20	1998-11-17T17:11	MWR unavailable (preventive measure due to leonide storm)
37	625	1998-11-17T17:11	1998-11-17T18:01	MWR unavailable (preventive measure due to leonide storm)
37	626	1998-11-17T18:01	1998-11-17T18:51	MWR unavailable (preventive measure due to leonide storm)
37	627	1998-11-17T18:51	1998-11-17T19:42	MWR unavailable (preventive measure due to leonide storm)
37	628	1998-11-17T19:42	1998-11-17T20:32	MWR unavailable (preventive measure due to leonide storm)
37	629	1998-11-17T20:32	1998-11-17T21:22	MWR unavailable (preventive measure due to leonide storm)
37	630	1998-11-17T21:22	1998-11-17T22:13	MWR unavailable (preventive measure due to leonide storm)
37	631	1998-11-17T22:13	1998-11-17T23:03	MWR unavailable (preventive measure due to leonide storm)
37	632	1998-11-17T23:03	1998-11-17T23:53	MWR unavailable (preventive measure due to leonide storm)
37	633	1998-11-17T23:53	1998-11-18T00:43	MWR unavailable (preventive measure due to leonide storm)
37	634	1998-11-18T00:43	1998-11-18T01:34	MWR unavailable (preventive measure due to leonide storm)
37	635	1998-11-18T01:34	1998-11-18T02:24	MWR unavailable (preventive measure due to leonide storm)
37	636	1998-11-18T02:24	1998-11-18T03:14	MWR unavailable (preventive measure due to leonide storm)
37	637	1998-11-18T03:14	1998-11-18T04:05	MWR unavailable (preventive measure due to leonide storm)
37	638	1998-11-18T04:05	1998-11-18T04:55	MWR unavailable (preventive measure due to leonide storm)
37	639	1998-11-18T04:55	1998-11-18T05:45	MWR unavailable (preventive measure due to leonide storm)
37	640	1998-11-18T05:45	1998-11-18T06:36	MWR unavailable (preventive measure due to leonide storm)
37	641	1998-11-18T06:36	1998-11-18T07:26	MWR unavailable (preventive measure due to leonide storm)
37	642	1998-11-18T07:26	1998-11-18T08:16	MWR unavailable (preventive measure due to leonide storm)
37	643	1998-11-18T08:16	1998-11-18T09:06	MWR unavailable (preventive measure due to leonide storm)
37	644	1998-11-18T09:06	1998-11-18T09:57	MWR unavailable (preventive measure due to leonide storm)
37	645	1998-11-18T09:57	1998-11-18T10:47	MWR unavailable (preventive measure due to leonide storm)
37	646	1998-11-18T10:47	1998-11-18T11:37	MWR unavailable (preventive measure due to leonide storm)
37	647	1998-11-18T11:37	1998-11-18T12:28	MWR unavailable (preventive measure due to leonide storm)
37	648	1998-11-18T12:28	1998-11-18T13:18	MWR unavailable (preventive measure due to leonide storm)
37	649	1998-11-18T13:18	1998-11-18T14:08	MWR unavailable (preventive measure due to leonide storm)
37	650	1998-11-18T14:08	1998-11-18T14:59	MWR unavailable (preventive measure due to leonide storm)
37	688	1998-11-19T22:00	1998-11-19T22:50	unexplained missing telemetry
37	791	1998-11-23T12:20	1998-11-23T13:11	MWR unavailable: ATSR ICU reset
37	792	1998-11-23T13:11	1998-11-23T14:01	MWR unavailable: ATSR ICU reset
37	804	1998-11-23T23:14	1998-11-24T00:05	unexplained missing telemetry
38	352	1998-12-13T04:19	1998-12-13T05:09	unexplained missing telemetry
38	961	1999-01-03T10:51	1999-01-03T11:42	unexplained missing telemetry
39	152	1999-01-10T04:39	1999-01-10T05:29	unexplained missing telemetry
40	660	1999-03-03T22:31	1999-03-03T23:22	unexplained missing telemetry
40	920	1999-03-13T00:29	1999-03-13T01:19	unexplained missing telemetry
40	921	1999-03-13T01:19	1999-03-13T02:10	unexplained missing telemetry
40	922	1999-03-13T02:10	1999-03-13T03:00	unexplained missing telemetry
41	152	1999-03-21T04:39	1999-03-21T05:29	unexplained missing telemetry
41	348	1999-03-28T00:58	1999-03-28T01:48	unexplained missing telemetry
41	460	1999-03-31T22:51	1999-03-31T23:42	unexplained missing telemetry
42	30	1999-04-20T22:23	1999-04-20T23:13	unexplained missing telemetry
42	169	1999-04-25T18:54	1999-04-25T19:45	unexplained missing telemetry
42	316	1999-04-30T22:08	1999-04-30T22:59	unexplained missing telemetry
43	631	1999-06-15T22:13	1999-06-15T23:03	unexplained missing telemetry
43	632	1999-06-15T23:03	1999-06-15T23:53	unexplained missing telemetry
43	868	1999-06-24T04:54	1999-06-24T05:44	unexplained missing telemetry
44	893	1999-07-30T01:51	1999-07-30T02:41	unexplained missing telemetry

44	949	1999-08-01T00:48	1999-08-01T01:38	unexplained missing telemetry
44	951	1999-08-01T02:28	1999-08-01T03:19	unexplained missing telemetry
44	979	1999-08-02T01:57	1999-08-02T02:47	unexplained missing telemetry
46	262	1999-09-16T00:52	1999-09-16T01:42	unexplained missing telemetry
46	263	1999-09-16T01:42	1999-09-16T02:33	unexplained missing telemetry
46	264	1999-09-16T02:33	1999-09-16T03:23	unexplained missing telemetry
46	322	1999-09-18T03:10	1999-09-18T04:00	unexplained missing telemetry
46	920	1999-10-09T00:29	1999-10-09T01:19	unexplained missing telemetry
46	921	1999-10-09T01:19	1999-10-09T02:10	unexplained missing telemetry
46	922	1999-10-09T02:10	1999-10-09T03:00	unexplained missing telemetry
46	923	1999-10-09T03:00	1999-10-09T03:50	unexplained missing telemetry
46	924	1999-10-09T03:50	1999-10-09T04:41	unexplained missing telemetry
46	948	1999-10-09T23:57	1999-10-10T00:48	unexplained missing telemetry
46	949	1999-10-10T00:48	1999-10-10T01:38	unexplained missing telemetry
46	950	1999-10-10T01:38	1999-10-10T02:28	unexplained missing telemetry
46	951	1999-10-10T02:28	1999-10-10T03:19	unexplained missing telemetry
46	952	1999-10-10T03:19	1999-10-10T04:09	unexplained missing telemetry
46	953	1999-10-10T04:09	1999-10-10T04:59	unexplained missing telemetry
46	954	1999-10-10T04:59	1999-10-10T05:50	unexplained missing telemetry
47	4	1999-10-12T00:35	1999-10-12T01:25	unexplained missing telemetry
47	5	1999-10-12T01:25	1999-10-12T02:15	unexplained missing telemetry
47	6	1999-10-12T02:15	1999-10-12T03:06	unexplained missing telemetry
47	7	1999-10-12T03:06	1999-10-12T03:56	unexplained missing telemetry
47	8	1999-10-12T03:56	1999-10-12T04:46	unexplained missing telemetry
47	32	1999-10-13T00:03	1999-10-13T00:54	unexplained missing telemetry
47	33	1999-10-13T00:54	1999-10-13T01:44	unexplained missing telemetry
47	34	1999-10-13T01:44	1999-10-13T02:34	unexplained missing telemetry
47	35	1999-10-13T02:34	1999-10-13T03:24	unexplained missing telemetry
47	36	1999-10-13T03:24	1999-10-13T04:15	unexplained missing telemetry
47	37	1999-10-13T04:15	1999-10-13T05:05	unexplained missing telemetry
47	38	1999-10-13T05:05	1999-10-13T05:55	unexplained missing telemetry
47	68	1999-10-14T06:14	1999-10-14T07:04	unexplained missing telemetry
47	69	1999-10-14T07:04	1999-10-14T07:55	unexplained missing telemetry
47	70	1999-10-14T07:55	1999-10-14T08:45	unexplained missing telemetry
47	71	1999-10-14T08:45	1999-10-14T09:35	unexplained missing telemetry
47	72	1999-10-14T09:35	1999-10-14T10:26	unexplained missing telemetry
47	73	1999-10-14T10:26	1999-10-14T11:16	unexplained missing telemetry
47	74	1999-10-14T11:16	1999-10-14T12:06	unexplained missing telemetry
47	75	1999-10-14T12:06	1999-10-14T12:56	unexplained missing telemetry
47	76	1999-10-14T12:56	1999-10-14T13:47	unexplained missing telemetry
47	77	1999-10-14T13:47	1999-10-14T14:37	unexplained missing telemetry
47	78	1999-10-14T14:37	1999-10-14T15:27	unexplained missing telemetry
47	79	1999-10-14T15:27	1999-10-14T16:18	unexplained missing telemetry
47	80	1999-10-14T16:18	1999-10-14T17:08	unexplained missing telemetry
47	81	1999-10-14T17:08	1999-10-14T17:58	unexplained missing telemetry
47	82	1999-10-14T17:58	1999-10-14T18:48	unexplained missing telemetry
47	83	1999-10-14T18:48	1999-10-14T19:39	unexplained missing telemetry
47	84	1999-10-14T19:39	1999-10-14T20:29	unexplained missing telemetry

47	85	1999-10-14T20:29	1999-10-14T21:19	unexplained missing telemetry
47	230	1999-10-19T22:03	1999-10-19T22:53	unexplained missing telemetry
47	774	1999-11-07T22:05	1999-11-07T22:56	unexplained missing telemetry
47	775	1999-11-07T22:56	1999-11-07T23:46	unexplained missing telemetry
47	776	1999-11-07T23:46	1999-11-08T00:36	unexplained missing telemetry
47	777	1999-11-08T00:36	1999-11-08T01:27	unexplained missing telemetry
47	778	1999-11-08T01:27	1999-11-08T02:17	unexplained missing telemetry
47	779	1999-11-08T02:17	1999-11-08T03:07	unexplained missing telemetry
47	780	1999-11-08T03:07	1999-11-08T03:57	unexplained missing telemetry
47	781	1999-11-08T03:57	1999-11-08T04:48	unexplained missing telemetry
47	782	1999-11-08T04:48	1999-11-08T05:38	unexplained missing telemetry
48	32	1999-11-17T00:03	1999-11-17T00:54	unexplained missing telemetry
48	53	1999-11-17T17:40	1999-11-17T18:30	payload has been switched off for the Leonid meteorite show
48	54	1999-11-17T18:30	1999-11-17T19:20	payload has been switched off for the Leonid meteorite show
48	55	1999-11-17T19:20	1999-11-17T20:10	payload has been switched off for the Leonid meteorite show
48	56	1999-11-17T20:10	1999-11-17T21:01	payload has been switched off for the Leonid meteorite show
48	57	1999-11-17T21:01	1999-11-17T21:51	payload has been switched off for the Leonid meteorite show
48	58	1999-11-17T21:51	1999-11-17T22:41	payload has been switched off for the Leonid meteorite show
48	59	1999-11-17T22:41	1999-11-17T23:32	payload has been switched off for the Leonid meteorite show
48	60	1999-11-17T23:32	1999-11-18T00:22	payload has been switched off for the Leonid meteorite show
48	61	1999-11-18T00:22	1999-11-18T01:12	payload has been switched off for the Leonid meteorite show
48	62	1999-11-18T01:12	1999-11-18T02:03	payload has been switched off for the Leonid meteorite show
48	63	1999-11-18T02:03	1999-11-18T02:53	payload has been switched off for the Leonid meteorite show
48	64	1999-11-18T02:53	1999-11-18T03:43	payload has been switched off for the Leonid meteorite show
48	65	1999-11-18T03:43	1999-11-18T04:33	payload has been switched off for the Leonid meteorite show
48	66	1999-11-18T04:33	1999-11-18T05:24	payload has been switched off for the Leonid meteorite show
48	67	1999-11-18T05:24	1999-11-18T06:14	payload has been switched off for the Leonid meteorite show
48	68	1999-11-18T06:14	1999-11-18T07:04	payload has been switched off for the Leonid meteorite show
48	69	1999-11-18T07:04	1999-11-18T07:55	payload has been switched off for the Leonid meteorite show
48	70	1999-11-18T07:55	1999-11-18T08:45	payload has been switched off for the Leonid meteorite show
48	71	1999-11-18T08:45	1999-11-18T09:35	payload has been switched off for the Leonid meteorite show
48	72	1999-11-18T09:35	1999-11-18T10:26	payload has been switched off for the Leonid meteorite show
48	73	1999-11-18T10:26	1999-11-18T11:16	payload has been switched off for the Leonid meteorite show
48	74	1999-11-18T11:16	1999-11-18T12:06	payload has been switched off for the Leonid meteorite show
48	75	1999-11-18T12:06	1999-11-18T12:56	payload has been switched off for the Leonid meteorite show
48	76	1999-11-18T12:56	1999-11-18T13:47	payload has been switched off for the Leonid meteorite show
48	77	1999-11-18T13:47	1999-11-18T14:37	payload has been switched off for the Leonid meteorite show
48	122	1999-11-20T03:30	1999-11-20T04:20	unexplained missing telemetry
48	262	1999-11-25T00:52	1999-11-25T01:42	unexplained missing telemetry
48	263	1999-11-25T01:42	1999-11-25T02:33	unexplained missing telemetry
48	264	1999-11-25T02:33	1999-11-25T03:23	unexplained missing telemetry
48	265	1999-11-25T03:23	1999-11-25T04:13	unexplained missing telemetry
48	266	1999-11-25T04:13	1999-11-25T05:04	unexplained missing telemetry
48	864	1999-12-16T01:32	1999-12-16T02:23	unexplained missing telemetry
49	259	1999-12-29T22:21	1999-12-29T23:11	unexplained missing telemetry
49	260	1999-12-29T23:11	1999-12-30T00:02	unexplained missing telemetry
49	261	1999-12-30T00:02	1999-12-30T00:52	unexplained missing telemetry
49	262	1999-12-30T00:52	1999-12-30T01:42	unexplained missing telemetry

49	304	1999-12-31T12:05	1999-12-31T12:55	switch off due to Y2K transition operations
49	305	1999-12-31T12:55	1999-12-31T13:45	switch off due to Y2K transition operations
49	306	1999-12-31T13:45	1999-12-31T14:36	switch off due to Y2K transition operations
49	307	1999-12-31T14:36	1999-12-31T15:26	switch off due to Y2K transition operations
49	308	1999-12-31T15:26	1999-12-31T16:16	switch off due to Y2K transition operations
49	309	1999-12-31T16:16	1999-12-31T17:06	switch off due to Y2K transition operations
49	310	1999-12-31T17:06	1999-12-31T17:57	switch off due to Y2K transition operations
49	311	1999-12-31T17:57	1999-12-31T18:47	switch off due to Y2K transition operations
49	312	1999-12-31T18:47	1999-12-31T19:37	switch off due to Y2K transition operations
49	313	1999-12-31T19:37	1999-12-31T20:28	switch off due to Y2K transition operations
49	314	1999-12-31T20:28	1999-12-31T21:18	switch off due to Y2K transition operations
49	315	1999-12-31T21:18	1999-12-31T22:08	switch off due to Y2K transition operations
49	316	1999-12-31T22:08	1999-12-31T22:59	switch off due to Y2K transition operations
49	317	1999-12-31T22:59	1999-12-31T23:49	switch off due to Y2K transition operations
49	318	1999-12-31T23:49	2000-01-01T00:39	switch off due to Y2K transition operations
49	319	2000-01-01T00:39	2000-01-01T01:29	switch off due to Y2K transition operations
49	320	2000-01-01T01:29	2000-01-01T02:20	switch off due to Y2K transition operations
49	321	2000-01-01T02:20	2000-01-01T03:10	switch off due to Y2K transition operations
49	322	2000-01-01T03:10	2000-01-01T04:00	switch off due to Y2K transition operations
49	323	2000-01-01T04:00	2000-01-01T04:51	switch off due to Y2K transition operations
49	324	2000-01-01T04:51	2000-01-01T05:41	switch off due to Y2K transition operations
49	325	2000-01-01T05:41	2000-01-01T06:31	switch off due to Y2K transition operations
49	326	2000-01-01T06:31	2000-01-01T07:22	switch off due to Y2K transition operations
49	327	2000-01-01T07:22	2000-01-01T08:12	switch off due to Y2K transition operations
49	328	2000-01-01T08:12	2000-01-01T09:02	switch off due to Y2K transition operations
49	329	2000-01-01T09:02	2000-01-01T09:52	switch off due to Y2K transition operations
49	330	2000-01-01T09:52	2000-01-01T10:43	switch off due to Y2K transition operations
49	331	2000-01-01T10:43	2000-01-01T11:33	switch off due to Y2K transition operations
49	332	2000-01-01T11:33	2000-01-01T12:23	switch off due to Y2K transition operations
49	333	2000-01-01T12:23	2000-01-01T13:14	switch off due to Y2K transition operations
49	334	2000-01-01T13:14	2000-01-01T14:04	switch off due to Y2K transition operations
49	335	2000-01-01T14:04	2000-01-01T14:54	switch off due to Y2K transition operations
49	336	2000-01-01T14:54	2000-01-01T15:45	switch off due to Y2K transition operations
49	337	2000-01-01T15:45	2000-01-01T16:35	switch off due to Y2K transition operations
49	338	2000-01-01T16:35	2000-01-01T17:25	switch off due to Y2K transition operations
49	339	2000-01-01T17:25	2000-01-01T18:15	switch off due to Y2K transition operations
49	340	2000-01-01T18:15	2000-01-01T19:06	switch off due to Y2K transition operations
49	341	2000-01-01T19:06	2000-01-01T19:56	switch off due to Y2K transition operations
49	342	2000-01-01T19:56	2000-01-01T20:46	switch off due to Y2K transition operations
49	343	2000-01-01T20:46	2000-01-01T21:37	switch off due to Y2K transition operations
49	344	2000-01-01T21:37	2000-01-01T22:27	switch off due to Y2K transition operations
49	345	2000-01-01T22:27	2000-01-01T23:17	switch off due to Y2K transition operations
49	346	2000-01-01T23:17	2000-01-02T00:08	switch off due to Y2K transition operations
49	347	2000-01-02T00:08	2000-01-02T00:58	switch off due to Y2K transition operations
49	348	2000-01-02T00:58	2000-01-02T01:48	switch off due to Y2K transition operations
49	349	2000-01-02T01:48	2000-01-02T02:38	switch off due to Y2K transition operations
49	350	2000-01-02T02:38	2000-01-02T03:29	switch off due to Y2K transition operations
49	351	2000-01-02T03:29	2000-01-02T04:19	switch off due to Y2K transition operations

49	352	2000-01-02T04:19	2000-01-02T05:09	switch off due to Y2K transition operations
49	353	2000-01-02T05:09	2000-01-02T06:00	switch off due to Y2K transition operations
49	354	2000-01-02T06:00	2000-01-02T06:50	switch off due to Y2K transition operations
49	355	2000-01-02T06:50	2000-01-02T07:40	switch off due to Y2K transition operations
49	356	2000-01-02T07:40	2000-01-02T08:31	switch off due to Y2K transition operations
49	357	2000-01-02T08:31	2000-01-02T09:21	switch off due to Y2K transition operations
49	358	2000-01-02T09:21	2000-01-02T10:11	switch off due to Y2K transition operations
49	359	2000-01-02T10:11	2000-01-02T11:01	switch off due to Y2K transition operations
49	360	2000-01-02T11:01	2000-01-02T11:52	switch off due to Y2K transition operations
49	361	2000-01-02T11:52	2000-01-02T12:42	switch off due to Y2K transition operations
49	362	2000-01-02T12:42	2000-01-02T13:32	switch off due to Y2K transition operations
49	363	2000-01-02T13:32	2000-01-02T14:23	switch off due to Y2K transition operations
49	364	2000-01-02T14:23	2000-01-02T15:13	unexplained missing telemetry
49	720	2000-01-15T00:49	2000-01-15T01:40	unexplained missing telemetry
49	948	2000-01-22T23:57	2000-01-23T00:48	unexplained missing telemetry
49	949	2000-01-23T00:48	2000-01-23T01:38	unexplained missing telemetry
49	950	2000-01-23T01:38	2000-01-23T02:28	unexplained missing telemetry
49	951	2000-01-23T02:28	2000-01-23T03:19	unexplained missing telemetry
49	952	2000-01-23T03:19	2000-01-23T04:09	unexplained missing telemetry
49	953	2000-01-23T04:09	2000-01-23T04:59	unexplained missing telemetry
49	954	2000-01-23T04:59	2000-01-23T05:50	unexplained missing telemetry
49	984	2000-01-24T06:08	2000-01-24T06:59	unexplained missing telemetry
49	985	2000-01-24T06:59	2000-01-24T07:49	unexplained missing telemetry
49	986	2000-01-24T07:49	2000-01-24T08:39	unexplained missing telemetry
49	987	2000-01-24T08:39	2000-01-24T09:29	unexplained missing telemetry
49	988	2000-01-24T09:29	2000-01-24T10:20	unexplained missing telemetry
49	989	2000-01-24T10:20	2000-01-24T11:10	unexplained missing telemetry
49	990	2000-01-24T11:10	2000-01-24T12:00	unexplained missing telemetry
49	991	2000-01-24T12:00	2000-01-24T12:51	unexplained missing telemetry
49	992	2000-01-24T12:51	2000-01-24T13:41	unexplained missing telemetry
49	993	2000-01-24T13:41	2000-01-24T14:31	unexplained missing telemetry
49	994	2000-01-24T14:31	2000-01-24T15:22	unexplained missing telemetry
49	995	2000-01-24T15:22	2000-01-24T16:12	unexplained missing telemetry
49	996	2000-01-24T16:12	2000-01-24T17:02	unexplained missing telemetry
49	997	2000-01-24T17:02	2000-01-24T17:52	unexplained missing telemetry
50	60	2000-01-26T23:32	2000-01-27T00:22	unexplained missing telemetry
50	61	2000-01-27T00:22	2000-01-27T01:12	unexplained missing telemetry
50	62	2000-01-27T01:12	2000-01-27T02:03	unexplained missing telemetry
50	63	2000-01-27T02:03	2000-01-27T02:53	unexplained missing telemetry
50	64	2000-01-27T02:53	2000-01-27T03:43	unexplained missing telemetry
50	65	2000-01-27T03:43	2000-01-27T04:33	unexplained missing telemetry
50	66	2000-01-27T04:33	2000-01-27T05:24	unexplained missing telemetry
50	116	2000-01-28T22:28	2000-01-28T23:19	unexplained missing telemetry
50	122	2000-01-29T03:30	2000-01-29T04:20	unexplained missing telemetry
50	139	2000-01-29T17:45	2000-01-29T18:36	unexplained missing telemetry
50	144	2000-01-29T21:57	2000-01-29T22:47	unexplained missing telemetry
50	173	2000-01-30T22:15	2000-01-30T23:06	unexplained missing telemetry
50	174	2000-01-30T23:06	2000-01-30T23:56	unexplained missing telemetry

50	175	2000-01-30T23:56	2000-01-31T00:46	unexplained missing telemetry
50	176	2000-01-31T00:46	2000-01-31T01:37	unexplained missing telemetry
50	177	2000-01-31T01:37	2000-01-31T02:27	unexplained missing telemetry
50	178	2000-01-31T02:27	2000-01-31T03:17	unexplained missing telemetry
50	179	2000-01-31T03:17	2000-01-31T04:08	unexplained missing telemetry
50	180	2000-01-31T04:08	2000-01-31T04:58	unexplained missing telemetry
50	382	2000-02-07T05:28	2000-02-07T06:18	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	383	2000-02-07T06:18	2000-02-07T07:09	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	384	2000-02-07T07:09	2000-02-07T07:59	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	385	2000-02-07T07:59	2000-02-07T08:49	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	386	2000-02-07T08:49	2000-02-07T09:40	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	387	2000-02-07T09:40	2000-02-07T10:30	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	388	2000-02-07T10:30	2000-02-07T11:20	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	389	2000-02-07T11:20	2000-02-07T12:10	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	390	2000-02-07T12:10	2000-02-07T13:01	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	391	2000-02-07T13:01	2000-02-07T13:51	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	392	2000-02-07T13:51	2000-02-07T14:41	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	393	2000-02-07T14:41	2000-02-07T15:32	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	394	2000-02-07T15:32	2000-02-07T16:22	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	395	2000-02-07T16:22	2000-02-07T17:12	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	396	2000-02-07T17:12	2000-02-07T18:03	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	397	2000-02-07T18:03	2000-02-07T18:53	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	398	2000-02-07T18:53	2000-02-07T19:43	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	399	2000-02-07T19:43	2000-02-07T20:33	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	400	2000-02-07T20:33	2000-02-07T21:24	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	401	2000-02-07T21:24	2000-02-07T22:14	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	402	2000-02-07T22:14	2000-02-07T23:04	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	403	2000-02-07T23:04	2000-02-07T23:55	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	404	2000-02-07T23:55	2000-02-08T00:45	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	405	2000-02-08T00:45	2000-02-08T01:35	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	406	2000-02-08T01:35	2000-02-08T02:26	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	407	2000-02-08T02:26	2000-02-08T03:16	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	408	2000-02-08T03:16	2000-02-08T04:06	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	409	2000-02-08T04:06	2000-02-08T04:56	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	410	2000-02-08T04:56	2000-02-08T05:47	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	411	2000-02-08T05:47	2000-02-08T06:37	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	412	2000-02-08T06:37	2000-02-08T07:27	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	413	2000-02-08T07:27	2000-02-08T08:18	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	414	2000-02-08T08:18	2000-02-08T09:08	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	415	2000-02-08T09:08	2000-02-08T09:58	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	416	2000-02-08T09:58	2000-02-08T10:48	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	417	2000-02-08T10:48	2000-02-08T11:39	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	418	2000-02-08T11:39	2000-02-08T12:29	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	419	2000-02-08T12:29	2000-02-08T13:19	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	420	2000-02-08T13:19	2000-02-08T14:10	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	421	2000-02-08T14:10	2000-02-08T15:00	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	422	2000-02-08T15:00	2000-02-08T15:50	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	423	2000-02-08T15:50	2000-02-08T16:41	Due to the MONO GYRO AOCS implementation, PL-Instrumen

50	424	2000-02-08T16:41	2000-02-08T17:31	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	425	2000-02-08T17:31	2000-02-08T18:21	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	426	2000-02-08T18:21	2000-02-08T19:11	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	427	2000-02-08T19:11	2000-02-08T20:02	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	428	2000-02-08T20:02	2000-02-08T20:52	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	429	2000-02-08T20:52	2000-02-08T21:42	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	430	2000-02-08T21:42	2000-02-08T22:33	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	431	2000-02-08T22:33	2000-02-08T23:23	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	432	2000-02-08T23:23	2000-02-09T00:13	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	433	2000-02-09T00:13	2000-02-09T01:04	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	434	2000-02-09T01:04	2000-02-09T01:54	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	435	2000-02-09T01:54	2000-02-09T02:44	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	436	2000-02-09T02:44	2000-02-09T03:34	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	437	2000-02-09T03:34	2000-02-09T04:25	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	438	2000-02-09T04:25	2000-02-09T05:15	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	439	2000-02-09T05:15	2000-02-09T06:05	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	440	2000-02-09T06:05	2000-02-09T06:56	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	441	2000-02-09T06:56	2000-02-09T07:46	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	442	2000-02-09T07:46	2000-02-09T08:36	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	443	2000-02-09T08:36	2000-02-09T09:27	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	444	2000-02-09T09:27	2000-02-09T10:17	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	445	2000-02-09T10:17	2000-02-09T11:07	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	446	2000-02-09T11:07	2000-02-09T11:57	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	447	2000-02-09T11:57	2000-02-09T12:48	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	448	2000-02-09T12:48	2000-02-09T13:38	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	449	2000-02-09T13:38	2000-02-09T14:28	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	450	2000-02-09T14:28	2000-02-09T15:19	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	451	2000-02-09T15:19	2000-02-09T16:09	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	452	2000-02-09T16:09	2000-02-09T16:59	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	453	2000-02-09T16:59	2000-02-09T17:50	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	454	2000-02-09T17:50	2000-02-09T18:40	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	455	2000-02-09T18:40	2000-02-09T19:30	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	456	2000-02-09T19:30	2000-02-09T20:20	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	457	2000-02-09T20:20	2000-02-09T21:11	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	458	2000-02-09T21:11	2000-02-09T22:01	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	459	2000-02-09T22:01	2000-02-09T22:51	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	460	2000-02-09T22:51	2000-02-09T23:42	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	461	2000-02-09T23:42	2000-02-10T00:32	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	462	2000-02-10T00:32	2000-02-10T01:22	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	463	2000-02-10T01:22	2000-02-10T02:13	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	464	2000-02-10T02:13	2000-02-10T03:03	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	465	2000-02-10T03:03	2000-02-10T03:53	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	466	2000-02-10T03:53	2000-02-10T04:43	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	467	2000-02-10T04:43	2000-02-10T05:34	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	468	2000-02-10T05:34	2000-02-10T06:24	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	469	2000-02-10T06:24	2000-02-10T07:14	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	470	2000-02-10T07:14	2000-02-10T08:05	Due to the MONO GYRO AOCS implementation, PL-Instrumen
50	471	2000-02-10T08:05	2000-02-10T08:55	Due to the MONO GYRO AOCS implementation, PL-Instrumen



50	472	2000-02-10T08:55	2000-02-10T09:45	Due to the MONO GYRO AOCs implementation, PL-Instrument
50	473	2000-02-10T09:45	2000-02-10T10:36	Due to the MONO GYRO AOCs implementation, PL-Instrument
50	474	2000-02-10T10:36	2000-02-10T11:26	Due to the MONO GYRO AOCs implementation, PL-Instrument
50	475	2000-02-10T11:26	2000-02-10T12:16	Due to the MONO GYRO AOCs implementation, PL-Instrument
50	476	2000-02-10T12:16	2000-02-10T13:06	Due to the MONO GYRO AOCs implementation, PL-Instrument
50	477	2000-02-10T13:06	2000-02-10T13:57	Due to the MONO GYRO AOCs implementation, PL-Instrument
50	587	2000-02-14T09:19	2000-02-14T10:10	ATSR - IRR reset: instruments unavailable
51	596	2000-03-20T16:52	2000-03-20T17:42	on board anomaly
51	597	2000-03-20T17:42	2000-03-20T18:33	on board anomaly
51	598	2000-03-20T18:33	2000-03-20T19:23	unexplained missing telemetry
51	599	2000-03-20T19:23	2000-03-20T20:13	on board anomaly : payload instru unavailable
51	713	2000-03-24T18:57	2000-03-24T19:47	on board anomaly : payload instru unavailable
51	714	2000-03-24T19:47	2000-03-24T20:38	on board anomaly : payload instru unavailable
51	715	2000-03-24T20:38	2000-03-24T21:28	on board anomaly : payload instru unavailable
51	716	2000-03-24T21:28	2000-03-24T22:18	on board anomaly : payload instru unavailable
51	717	2000-03-24T22:18	2000-03-24T23:09	on board anomaly : payload instru unavailable
51	718	2000-03-24T23:09	2000-03-24T23:59	on board anomaly : payload instru unavailable
51	719	2000-03-24T23:59	2000-03-25T00:49	on board anomaly : payload instru unavailable
51	720	2000-03-25T00:49	2000-03-25T01:40	on board anomaly : payload instru unavailable
51	721	2000-03-25T01:40	2000-03-25T02:30	on board anomaly : payload instru unavailable
51	722	2000-03-25T02:30	2000-03-25T03:20	on board anomaly : payload instru unavailable
51	723	2000-03-25T03:20	2000-03-25T04:10	on board anomaly : payload instru unavailable
51	724	2000-03-25T04:10	2000-03-25T05:01	on board anomaly : payload instru unavailable
51	725	2000-03-25T05:01	2000-03-25T05:51	on board anomaly : payload instru unavailable
51	726	2000-03-25T05:51	2000-03-25T06:41	on board anomaly : payload instru unavailable
51	727	2000-03-25T06:41	2000-03-25T07:32	on board anomaly : payload instru unavailable
51	728	2000-03-25T07:32	2000-03-25T08:22	on board anomaly : payload instru unavailable
51	729	2000-03-25T08:22	2000-03-25T09:12	on board anomaly : payload instru unavailable
51	730	2000-03-25T09:12	2000-03-25T10:03	on board anomaly : payload instru unavailable
51	731	2000-03-25T10:03	2000-03-25T10:53	on board anomaly : payload instru unavailable
51	732	2000-03-25T10:53	2000-03-25T11:43	on board anomaly : payload instru unavailable
51	733	2000-03-25T11:43	2000-03-25T12:33	on board anomaly : payload instru unavailable
54	376	2000-06-26T00:26	2000-06-26T01:17	unexplained missing telemetry
54	496	2000-06-30T05:02	2000-06-30T05:52	unexplained missing telemetry
54	497	2000-06-30T05:52	2000-06-30T06:43	unexplained missing telemetry
54	498	2000-06-30T06:43	2000-06-30T07:33	platform anomaly, instru switched off UNA - 2000/027
54	499	2000-06-30T07:33	2000-06-30T08:23	platform anomaly, instru switched off UNA - 2000/027
54	500	2000-06-30T08:23	2000-06-30T09:14	platform anomaly, instru switched off UNA - 2000/027
54	501	2000-06-30T09:14	2000-06-30T10:04	platform anomaly, instru switched off UNA - 2000/027
54	502	2000-06-30T10:04	2000-06-30T10:54	platform anomaly, instru switched off UNA - 2000/027
54	503	2000-06-30T10:54	2000-06-30T11:45	platform anomaly, instru switched off UNA - 2000/027
54	504	2000-06-30T11:45	2000-06-30T12:35	platform anomaly, instru switched off UNA - 2000/027
54	505	2000-06-30T12:35	2000-06-30T13:25	platform anomaly, instru switched off UNA - 2000/027
54	506	2000-06-30T13:25	2000-06-30T14:15	platform anomaly, instru switched off UNA - 2000/027
54	507	2000-06-30T14:15	2000-06-30T15:06	platform anomaly, instru switched off UNA - 2000/027
54	508	2000-06-30T15:06	2000-06-30T15:56	platform anomaly, instru switched off UNA - 2000/027
54	509	2000-06-30T15:56	2000-06-30T16:46	platform anomaly, instru switched off UNA - 2000/027
54	510	2000-06-30T16:46	2000-06-30T17:37	platform anomaly, instru switched off UNA - 2000/027

54	511	2000-06-30T17:37	2000-06-30T18:27	platform anomaly, instru switched off UNA - 2000/027
54	512	2000-06-30T18:27	2000-06-30T19:17	platform anomaly, instru switched off UNA - 2000/027
54	513	2000-06-30T19:17	2000-06-30T20:08	platform anomaly, instru switched off UNA - 2000/027
54	514	2000-06-30T20:08	2000-06-30T20:58	platform anomaly, instru switched off UNA - 2000/027
54	515	2000-06-30T20:58	2000-06-30T21:48	platform anomaly, instru switched off UNA - 2000/027
54	516	2000-06-30T21:48	2000-06-30T22:38	platform anomaly, instru switched off UNA - 2000/027
54	517	2000-06-30T22:38	2000-06-30T23:29	platform anomaly, instru switched off UNA - 2000/027
54	518	2000-06-30T23:29	2000-07-01T00:19	platform anomaly, instru switched off UNA - 2000/027
54	519	2000-07-01T00:19	2000-07-01T01:09	platform anomaly, instru switched off UNA - 2000/027
54	520	2000-07-01T01:09	2000-07-01T02:00	platform anomaly, instru switched off UNA - 2000/027
54	521	2000-07-01T02:00	2000-07-01T02:50	platform anomaly, instru switched off UNA - 2000/027
54	522	2000-07-01T02:50	2000-07-01T03:40	platform anomaly, instru switched off UNA - 2000/027
54	523	2000-07-01T03:40	2000-07-01T04:31	platform anomaly, instru switched off UNA - 2000/027
54	524	2000-07-01T04:31	2000-07-01T05:21	platform anomaly, instru switched off UNA - 2000/027
54	525	2000-07-01T05:21	2000-07-01T06:11	platform anomaly, instru switched off UNA - 2000/027
54	526	2000-07-01T06:11	2000-07-01T07:01	platform anomaly, instru switched off UNA - 2000/027
54	527	2000-07-01T07:01	2000-07-01T07:52	platform anomaly, instru switched off UNA - 2000/027
54	528	2000-07-01T07:52	2000-07-01T08:42	platform anomaly, instru switched off UNA - 2000/027
54	529	2000-07-01T08:42	2000-07-01T09:32	platform anomaly, instru switched off UNA - 2000/027
54	530	2000-07-01T09:32	2000-07-01T10:23	platform anomaly, instru switched off UNA - 2000/027
54	531	2000-07-01T10:23	2000-07-01T11:13	platform anomaly, instru switched off UNA - 2000/027
54	532	2000-07-01T11:13	2000-07-01T12:03	platform anomaly, instru switched off UNA - 2000/027
54	533	2000-07-01T12:03	2000-07-01T12:54	platform anomaly, instru switched off UNA - 2000/027
54	534	2000-07-01T12:54	2000-07-01T13:44	platform anomaly, instru switched off UNA - 2000/027
54	535	2000-07-01T13:44	2000-07-01T14:34	platform anomaly, instru switched off UNA - 2000/027
54	536	2000-07-01T14:34	2000-07-01T15:24	platform anomaly, instru switched off UNA - 2000/027
54	537	2000-07-01T15:24	2000-07-01T16:15	platform anomaly, instru switched off UNA - 2000/027
54	538	2000-07-01T16:15	2000-07-01T17:05	platform anomaly, instru switched off UNA - 2000/027
54	539	2000-07-01T17:05	2000-07-01T17:55	platform anomaly, instru switched off UNA - 2000/027
54	540	2000-07-01T17:55	2000-07-01T18:46	platform anomaly, instru switched off UNA - 2000/027
54	541	2000-07-01T18:46	2000-07-01T19:36	platform anomaly, instru switched off UNA - 2000/027
54	542	2000-07-01T19:36	2000-07-01T20:26	platform anomaly, instru switched off UNA - 2000/027
54	543	2000-07-01T20:26	2000-07-01T21:17	platform anomaly, instru switched off UNA - 2000/027
54	544	2000-07-01T21:17	2000-07-01T22:07	platform anomaly, instru switched off UNA - 2000/027
54	545	2000-07-01T22:07	2000-07-01T22:57	platform anomaly, instru switched off UNA - 2000/027
54	546	2000-07-01T22:57	2000-07-01T23:47	platform anomaly, instru switched off UNA - 2000/027
54	547	2000-07-01T23:47	2000-07-02T00:38	platform anomaly, instru switched off UNA - 2000/027
54	548	2000-07-02T00:38	2000-07-02T01:28	platform anomaly, instru switched off UNA - 2000/027
54	549	2000-07-02T01:28	2000-07-02T02:18	platform anomaly, instru switched off UNA - 2000/027
54	550	2000-07-02T02:18	2000-07-02T03:09	platform anomaly, instru switched off UNA - 2000/027
54	551	2000-07-02T03:09	2000-07-02T03:59	platform anomaly, instru switched off UNA - 2000/027
54	552	2000-07-02T03:59	2000-07-02T04:49	platform anomaly, instru switched off UNA - 2000/027
54	553	2000-07-02T04:49	2000-07-02T05:40	platform anomaly, instru switched off UNA - 2000/027
54	554	2000-07-02T05:40	2000-07-02T06:30	platform anomaly, instru switched off UNA - 2000/027
54	555	2000-07-02T06:30	2000-07-02T07:20	platform anomaly, instru switched off UNA - 2000/027
54	556	2000-07-02T07:20	2000-07-02T08:10	platform anomaly, instru switched off UNA - 2000/027
54	557	2000-07-02T08:10	2000-07-02T09:01	platform anomaly, instru switched off UNA - 2000/027
54	558	2000-07-02T09:01	2000-07-02T09:51	platform anomaly, instru switched off UNA - 2000/027

54	559	2000-07-02T09:51	2000-07-02T10:41	platform anomaly, instru switched off UNA - 2000/027
54	560	2000-07-02T10:41	2000-07-02T11:32	platform anomaly, instru switched off UNA - 2000/027
54	561	2000-07-02T11:32	2000-07-02T12:22	platform anomaly, instru switched off UNA - 2000/027
54	562	2000-07-02T12:22	2000-07-02T13:12	platform anomaly, instru switched off UNA - 2000/027
54	563	2000-07-02T13:12	2000-07-02T14:03	platform anomaly, instru switched off UNA - 2000/027
54	564	2000-07-02T14:03	2000-07-02T14:53	platform anomaly, instru switched off UNA - 2000/027
54	565	2000-07-02T14:53	2000-07-02T15:43	platform anomaly, instru switched off UNA - 2000/027
54	566	2000-07-02T15:43	2000-07-02T16:33	platform anomaly, instru switched off UNA - 2000/027
54	567	2000-07-02T16:33	2000-07-02T17:24	platform anomaly, instru switched off UNA - 2000/027
54	568	2000-07-02T17:24	2000-07-02T18:14	platform anomaly, instru switched off UNA - 2000/027
54	569	2000-07-02T18:14	2000-07-02T19:04	platform anomaly, instru switched off UNA - 2000/027
54	570	2000-07-02T19:04	2000-07-02T19:55	platform anomaly, instru switched off UNA - 2000/027
54	571	2000-07-02T19:55	2000-07-02T20:45	platform anomaly, instru switched off UNA - 2000/027
54	572	2000-07-02T20:45	2000-07-02T21:35	platform anomaly, instru switched off UNA - 2000/027
54	573	2000-07-02T21:35	2000-07-02T22:26	platform anomaly, instru switched off UNA - 2000/027
54	574	2000-07-02T22:26	2000-07-02T23:16	platform anomaly, instru switched off UNA - 2000/027
54	575	2000-07-02T23:16	2000-07-03T00:06	platform anomaly, instru switched off UNA - 2000/027
54	576	2000-07-03T00:06	2000-07-03T00:56	platform anomaly, instru switched off UNA - 2000/027
54	577	2000-07-03T00:56	2000-07-03T01:47	platform anomaly, instru switched off UNA - 2000/027
54	578	2000-07-03T01:47	2000-07-03T02:37	platform anomaly, instru switched off UNA - 2000/027
54	579	2000-07-03T02:37	2000-07-03T03:27	platform anomaly, instru switched off UNA - 2000/027
54	580	2000-07-03T03:27	2000-07-03T04:18	platform anomaly, instru switched off UNA - 2000/027
54	581	2000-07-03T04:18	2000-07-03T05:08	platform anomaly, instru switched off UNA - 2000/027
54	582	2000-07-03T05:08	2000-07-03T05:58	platform anomaly, instru switched off UNA - 2000/027
54	583	2000-07-03T05:58	2000-07-03T06:48	platform anomaly, instru switched off UNA - 2000/027
54	584	2000-07-03T06:48	2000-07-03T07:39	platform anomaly, instru switched off UNA - 2000/027
54	585	2000-07-03T07:39	2000-07-03T08:29	platform anomaly, instru switched off UNA - 2000/027
54	586	2000-07-03T08:29	2000-07-03T09:19	platform anomaly, instru switched off UNA - 2000/027
54	587	2000-07-03T09:19	2000-07-03T10:10	platform anomaly, instru switched off UNA - 2000/027
54	588	2000-07-03T10:10	2000-07-03T11:00	platform anomaly, instru switched off UNA - 2000/027
54	589	2000-07-03T11:00	2000-07-03T11:50	platform anomaly, instru switched off UNA - 2000/027
54	590	2000-07-03T11:50	2000-07-03T12:41	platform anomaly, instru switched off UNA - 2000/027
54	591	2000-07-03T12:41	2000-07-03T13:31	platform anomaly, instru switched off UNA - 2000/027
54	592	2000-07-03T13:31	2000-07-03T14:21	platform anomaly, instru switched off UNA - 2000/027
54	593	2000-07-03T14:21	2000-07-03T15:11	platform anomaly, instru switched off UNA - 2000/027
54	594	2000-07-03T15:11	2000-07-03T16:02	platform anomaly, instru switched off UNA - 2000/027
54	595	2000-07-03T16:02	2000-07-03T16:52	platform anomaly, instru switched off UNA - 2000/027
54	596	2000-07-03T16:52	2000-07-03T17:42	platform anomaly, instru switched off UNA - 2000/027
54	597	2000-07-03T17:42	2000-07-03T18:33	platform anomaly, instru switched off UNA - 2000/027
54	598	2000-07-03T18:33	2000-07-03T19:23	platform anomaly, instru switched off UNA - 2000/027
54	599	2000-07-03T19:23	2000-07-03T20:13	platform anomaly, instru switched off UNA - 2000/027
54	600	2000-07-03T20:13	2000-07-03T21:04	platform anomaly, instru switched off UNA - 2000/027
54	601	2000-07-03T21:04	2000-07-03T21:54	platform anomaly, instru switched off UNA - 2000/027
54	602	2000-07-03T21:54	2000-07-03T22:44	platform anomaly, instru switched off UNA - 2000/027
54	603	2000-07-03T22:44	2000-07-03T23:34	platform anomaly, instru switched off UNA - 2000/027
54	604	2000-07-03T23:34	2000-07-04T00:25	platform anomaly, instru switched off UNA - 2000/027
54	605	2000-07-04T00:25	2000-07-04T01:15	platform anomaly, instru switched off UNA - 2000/027
54	606	2000-07-04T01:15	2000-07-04T02:05	platform anomaly, instru switched off UNA - 2000/027

54	607	2000-07-04T02:05	2000-07-04T02:56	platform anomaly, instru switched off UNA - 2000/027
54	608	2000-07-04T02:56	2000-07-04T03:46	platform anomaly, instru switched off UNA - 2000/027
54	609	2000-07-04T03:46	2000-07-04T04:36	platform anomaly, instru switched off UNA - 2000/027
54	610	2000-07-04T04:36	2000-07-04T05:27	platform anomaly, instru switched off UNA - 2000/027
54	611	2000-07-04T05:27	2000-07-04T06:17	platform anomaly, instru switched off UNA - 2000/027
54	612	2000-07-04T06:17	2000-07-04T07:07	platform anomaly, instru switched off UNA - 2000/027
54	613	2000-07-04T07:07	2000-07-04T07:57	platform anomaly, instru switched off UNA - 2000/027
54	614	2000-07-04T07:57	2000-07-04T08:48	platform anomaly, instru switched off UNA - 2000/027
54	615	2000-07-04T08:48	2000-07-04T09:38	platform anomaly, instru switched off UNA - 2000/027
54	616	2000-07-04T09:38	2000-07-04T10:28	platform anomaly, instru switched off UNA - 2000/027
54	617	2000-07-04T10:28	2000-07-04T11:19	platform anomaly, instru switched off UNA - 2000/027
54	618	2000-07-04T11:19	2000-07-04T12:09	platform anomaly, instru switched off UNA - 2000/027
54	619	2000-07-04T12:09	2000-07-04T12:59	platform anomaly, instru switched off UNA - 2000/027
54	620	2000-07-04T12:59	2000-07-04T13:50	platform anomaly, instru switched off UNA - 2000/027
54	621	2000-07-04T13:50	2000-07-04T14:40	platform anomaly, instru switched off UNA - 2000/027
54	622	2000-07-04T14:40	2000-07-04T15:30	platform anomaly, instru switched off UNA - 2000/027
54	623	2000-07-04T15:30	2000-07-04T16:20	platform anomaly, instru switched off UNA - 2000/027
54	624	2000-07-04T16:20	2000-07-04T17:11	platform anomaly, instru switched off UNA - 2000/027
54	625	2000-07-04T17:11	2000-07-04T18:01	platform anomaly, instru switched off UNA - 2000/027
54	626	2000-07-04T18:01	2000-07-04T18:51	platform anomaly, instru switched off UNA - 2000/027
54	627	2000-07-04T18:51	2000-07-04T19:42	platform anomaly, instru switched off UNA - 2000/027
54	628	2000-07-04T19:42	2000-07-04T20:32	platform anomaly, instru switched off UNA - 2000/027
54	629	2000-07-04T20:32	2000-07-04T21:22	platform anomaly, instru switched off UNA - 2000/027
54	630	2000-07-04T21:22	2000-07-04T22:13	platform anomaly, instru switched off UNA - 2000/027
54	631	2000-07-04T22:13	2000-07-04T23:03	platform anomaly, instru switched off UNA - 2000/027
54	632	2000-07-04T23:03	2000-07-04T23:53	platform anomaly, instru switched off UNA - 2000/027
54	633	2000-07-04T23:53	2000-07-05T00:43	platform anomaly, instru switched off UNA - 2000/027
54	634	2000-07-05T00:43	2000-07-05T01:34	platform anomaly, instru switched off UNA - 2000/027
54	635	2000-07-05T01:34	2000-07-05T02:24	platform anomaly, instru switched off UNA - 2000/027
54	636	2000-07-05T02:24	2000-07-05T03:14	platform anomaly, instru switched off UNA - 2000/027
54	637	2000-07-05T03:14	2000-07-05T04:05	platform anomaly, instru switched off UNA - 2000/027
54	638	2000-07-05T04:05	2000-07-05T04:55	platform anomaly, instru switched off UNA - 2000/027
54	639	2000-07-05T04:55	2000-07-05T05:45	platform anomaly, instru switched off UNA - 2000/027
54	640	2000-07-05T05:45	2000-07-05T06:36	platform anomaly, instru switched off UNA - 2000/027
54	641	2000-07-05T06:36	2000-07-05T07:26	platform anomaly, instru switched off UNA - 2000/027
54	642	2000-07-05T07:26	2000-07-05T08:16	platform anomaly, instru switched off UNA - 2000/027
54	643	2000-07-05T08:16	2000-07-05T09:06	platform anomaly, instru switched off UNA - 2000/027
54	644	2000-07-05T09:06	2000-07-05T09:57	platform anomaly, instru switched off UNA - 2000/027
54	645	2000-07-05T09:57	2000-07-05T10:47	platform anomaly, instru switched off UNA - 2000/027
54	646	2000-07-05T10:47	2000-07-05T11:37	platform anomaly, instru switched off UNA - 2000/027
54	647	2000-07-05T11:37	2000-07-05T12:28	platform anomaly, instru switched off UNA - 2000/027
54	797	2000-07-10T17:22	2000-07-10T18:13	platform anomaly, instru switched off
54	798	2000-07-10T18:13	2000-07-10T19:03	platform anomaly, instru switched off
54	799	2000-07-10T19:03	2000-07-10T19:53	platform anomaly, instru switched off
54	800	2000-07-10T19:53	2000-07-10T20:43	platform anomaly, instru switched off
54	801	2000-07-10T20:43	2000-07-10T21:34	platform anomaly, instru switched off
54	802	2000-07-10T21:34	2000-07-10T22:24	platform anomaly, instru switched off
54	803	2000-07-10T22:24	2000-07-10T23:14	platform anomaly, instru switched off

54	804	2000-07-10T23:14	2000-07-11T00:05	platform anomaly, instru switched off
54	805	2000-07-11T00:05	2000-07-11T00:55	platform anomaly, instru switched off
54	806	2000-07-11T00:55	2000-07-11T01:45	platform anomaly, instru switched off
54	807	2000-07-11T01:45	2000-07-11T02:36	platform anomaly, instru switched off
54	808	2000-07-11T02:36	2000-07-11T03:26	platform anomaly, instru switched off
54	809	2000-07-11T03:26	2000-07-11T04:16	platform anomaly, instru switched off
54	810	2000-07-11T04:16	2000-07-11T05:06	platform anomaly, instru switched off
54	811	2000-07-11T05:06	2000-07-11T05:57	platform anomaly, instru switched off
54	812	2000-07-11T05:57	2000-07-11T06:47	platform anomaly, instru switched off
54	813	2000-07-11T06:47	2000-07-11T07:37	platform anomaly, instru switched off
54	814	2000-07-11T07:37	2000-07-11T08:28	platform anomaly, instru switched off
54	815	2000-07-11T08:28	2000-07-11T09:18	platform anomaly, instru switched off
55	619	2000-08-08T12:09	2000-08-08T12:59	ATSR software anomaly
55	620	2000-08-08T12:59	2000-08-08T13:50	ATSR software anomaly
55	621	2000-08-08T13:50	2000-08-08T14:40	ATSR software anomaly
55	622	2000-08-08T14:40	2000-08-08T15:30	ATSR software anomaly
55	623	2000-08-08T15:30	2000-08-08T16:20	ATSR software anomaly
55	624	2000-08-08T16:20	2000-08-08T17:11	ATSR software anomaly
55	625	2000-08-08T17:11	2000-08-08T18:01	ATSR software anomaly
55	626	2000-08-08T18:01	2000-08-08T18:51	ATSR software anomaly
55	627	2000-08-08T18:51	2000-08-08T19:42	ATSR software anomaly
55	628	2000-08-08T19:42	2000-08-08T20:32	ATSR software anomaly
55	629	2000-08-08T20:32	2000-08-08T21:22	ATSR software anomaly
55	630	2000-08-08T21:22	2000-08-08T22:13	ATSR software anomaly
55	631	2000-08-08T22:13	2000-08-08T23:03	ATSR software anomaly
55	632	2000-08-08T23:03	2000-08-08T23:53	ATSR software anomaly
55	633	2000-08-08T23:53	2000-08-09T00:43	ATSR software anomaly
55	673	2000-08-10T09:25	2000-08-10T10:15	MWR unavailable due to ATSR/IRR GOME offset loops frozen
55	674	2000-08-10T10:15	2000-08-10T11:06	MWR unavailable due to ATSR/IRR GOME offset loops frozen
56	176	2000-08-28T00:46	2000-08-28T01:37	unexplained missing telemetry
56	177	2000-08-28T01:37	2000-08-28T02:27	unexplained missing telemetry
56	178	2000-08-28T02:27	2000-08-28T03:17	unexplained missing telemetry
56	179	2000-08-28T03:17	2000-08-28T04:08	unexplained missing telemetry
56	180	2000-08-28T04:08	2000-08-28T04:58	unexplained missing telemetry
56	545	2000-09-09T22:07	2000-09-09T22:57	unexplained missing telemetry
56	546	2000-09-09T22:57	2000-09-09T23:47	unexplained missing telemetry
56	920	2000-09-23T00:29	2000-09-23T01:19	unexplained missing telemetry
57	36	2000-09-27T03:24	2000-09-27T04:15	unexplained missing telemetry
57	339	2000-10-07T17:25	2000-10-07T18:15	MWR unavailable ER2-UNA-2000/043
57	340	2000-10-07T18:15	2000-10-07T19:06	MWR unavailable ER2-UNA-2000/043
57	341	2000-10-07T19:06	2000-10-07T19:56	MWR unavailable ER2-UNA-2000/043
57	342	2000-10-07T19:56	2000-10-07T20:46	MWR unavailable ER2-UNA-2000/043
57	343	2000-10-07T20:46	2000-10-07T21:37	MWR unavailable ER2-UNA-2000/043
57	344	2000-10-07T21:37	2000-10-07T22:27	MWR unavailable ER2-UNA-2000/043
57	345	2000-10-07T22:27	2000-10-07T23:17	MWR unavailable ER2-UNA-2000/043
57	346	2000-10-07T23:17	2000-10-08T00:08	MWR unavailable ER2-UNA-2000/043
57	347	2000-10-08T00:08	2000-10-08T00:58	MWR unavailable ER2-UNA-2000/043
57	348	2000-10-08T00:58	2000-10-08T01:48	MWR unavailable ER2-UNA-2000/043

57	349	2000-10-08T01:48	2000-10-08T02:38	MWR unavailable ER2-UNA-2000/043
57	350	2000-10-08T02:38	2000-10-08T03:29	MWR unavailable ER2-UNA-2000/043
57	351	2000-10-08T03:29	2000-10-08T04:19	MWR unavailable ER2-UNA-2000/043
57	352	2000-10-08T04:19	2000-10-08T05:09	MWR unavailable ER2-UNA-2000/043
57	353	2000-10-08T05:09	2000-10-08T06:00	MWR unavailable ER2-UNA-2000/043
57	354	2000-10-08T06:00	2000-10-08T06:50	MWR unavailable ER2-UNA-2000/043
57	355	2000-10-08T06:50	2000-10-08T07:40	MWR unavailable ER2-UNA-2000/043
57	356	2000-10-08T07:40	2000-10-08T08:31	MWR unavailable ER2-UNA-2000/043
57	357	2000-10-08T08:31	2000-10-08T09:21	MWR unavailable ER2-UNA-2000/043
57	358	2000-10-08T09:21	2000-10-08T10:11	MWR unavailable ER2-UNA-2000/043
57	359	2000-10-08T10:11	2000-10-08T11:01	MWR unavailable ER2-UNA-2000/043
57	360	2000-10-08T11:01	2000-10-08T11:52	MWR unavailable ER2-UNA-2000/043
57	361	2000-10-08T11:52	2000-10-08T12:42	MWR unavailable ER2-UNA-2000/043
57	362	2000-10-08T12:42	2000-10-08T13:32	MWR unavailable ER2-UNA-2000/043
57	363	2000-10-08T13:32	2000-10-08T14:23	MWR unavailable ER2-UNA-2000/043
57	364	2000-10-08T14:23	2000-10-08T15:13	MWR unavailable ER2-UNA-2000/043
57	365	2000-10-08T15:13	2000-10-08T16:03	MWR unavailable ER2-UNA-2000/043
57	366	2000-10-08T16:03	2000-10-08T16:54	MWR unavailable ER2-UNA-2000/043
57	367	2000-10-08T16:54	2000-10-08T17:44	MWR unavailable ER2-UNA-2000/043
57	368	2000-10-08T17:44	2000-10-08T18:34	MWR unavailable ER2-UNA-2000/043
57	369	2000-10-08T18:34	2000-10-08T19:24	MWR unavailable ER2-UNA-2000/043
57	370	2000-10-08T19:24	2000-10-08T20:15	MWR unavailable ER2-UNA-2000/043
57	371	2000-10-08T20:15	2000-10-08T21:05	MWR unavailable ER2-UNA-2000/043
57	372	2000-10-08T21:05	2000-10-08T21:55	MWR unavailable ER2-UNA-2000/043
57	373	2000-10-08T21:55	2000-10-08T22:46	MWR unavailable ER2-UNA-2000/043
57	374	2000-10-08T22:46	2000-10-08T23:36	MWR unavailable ER2-UNA-2000/043
57	375	2000-10-08T23:36	2000-10-09T00:26	MWR unavailable ER2-UNA-2000/043
57	376	2000-10-09T00:26	2000-10-09T01:17	MWR unavailable ER2-UNA-2000/043
57	377	2000-10-09T01:17	2000-10-09T02:07	MWR unavailable ER2-UNA-2000/043
57	378	2000-10-09T02:07	2000-10-09T02:57	MWR unavailable ER2-UNA-2000/043
57	379	2000-10-09T02:57	2000-10-09T03:47	MWR unavailable ER2-UNA-2000/043
57	380	2000-10-09T03:47	2000-10-09T04:38	MWR unavailable ER2-UNA-2000/043
57	381	2000-10-09T04:38	2000-10-09T05:28	MWR unavailable ER2-UNA-2000/043
57	382	2000-10-09T05:28	2000-10-09T06:18	MWR unavailable ER2-UNA-2000/043
57	383	2000-10-09T06:18	2000-10-09T07:09	MWR unavailable ER2-UNA-2000/043
57	384	2000-10-09T07:09	2000-10-09T07:59	MWR unavailable ER2-UNA-2000/043
57	385	2000-10-09T07:59	2000-10-09T08:49	MWR unavailable ER2-UNA-2000/043
57	386	2000-10-09T08:49	2000-10-09T09:40	MWR unavailable ER2-UNA-2000/043
57	387	2000-10-09T09:40	2000-10-09T10:30	MWR unavailable ER2-UNA-2000/043
57	388	2000-10-09T10:30	2000-10-09T11:20	MWR unavailable ER2-UNA-2000/043
57	389	2000-10-09T11:20	2000-10-09T12:10	MWR unavailable ER2-UNA-2000/043
57	390	2000-10-09T12:10	2000-10-09T13:01	MWR unavailable ER2-UNA-2000/043
57	391	2000-10-09T13:01	2000-10-09T13:51	MWR unavailable ER2-UNA-2000/043
57	392	2000-10-09T13:51	2000-10-09T14:41	MWR unavailable ER2-UNA-2000/043
57	393	2000-10-09T14:41	2000-10-09T15:32	MWR unavailable ER2-UNA-2000/043
57	394	2000-10-09T15:32	2000-10-09T16:22	MWR unavailable ER2-UNA-2000/043
57	395	2000-10-09T16:22	2000-10-09T17:12	MWR unavailable ER2-UNA-2000/043
57	396	2000-10-09T17:12	2000-10-09T18:03	MWR unavailable ER2-UNA-2000/043

57	397	2000-10-09T18:03	2000-10-09T18:53	MWR unavailable ER2-UNA-2000/043
57	398	2000-10-09T18:53	2000-10-09T19:43	MWR unavailable ER2-UNA-2000/043
57	399	2000-10-09T19:43	2000-10-09T20:33	MWR unavailable ER2-UNA-2000/043
57	400	2000-10-09T20:33	2000-10-09T21:24	MWR unavailable ER2-UNA-2000/043
57	401	2000-10-09T21:24	2000-10-09T22:14	MWR unavailable ER2-UNA-2000/043
57	402	2000-10-09T22:14	2000-10-09T23:04	MWR unavailable ER2-UNA-2000/043
57	403	2000-10-09T23:04	2000-10-09T23:55	MWR unavailable ER2-UNA-2000/043
57	404	2000-10-09T23:55	2000-10-10T00:45	MWR unavailable ER2-UNA-2000/043
57	405	2000-10-10T00:45	2000-10-10T01:35	MWR unavailable ER2-UNA-2000/043
57	406	2000-10-10T01:35	2000-10-10T02:26	MWR unavailable ER2-UNA-2000/043
57	407	2000-10-10T02:26	2000-10-10T03:16	MWR unavailable ER2-UNA-2000/043
57	408	2000-10-10T03:16	2000-10-10T04:06	MWR unavailable ER2-UNA-2000/043
57	409	2000-10-10T04:06	2000-10-10T04:56	MWR unavailable ER2-UNA-2000/043
57	410	2000-10-10T04:56	2000-10-10T05:47	MWR unavailable ER2-UNA-2000/043
57	411	2000-10-10T05:47	2000-10-10T06:37	MWR unavailable ER2-UNA-2000/043
57	412	2000-10-10T06:37	2000-10-10T07:27	MWR unavailable ER2-UNA-2000/043
57	413	2000-10-10T07:27	2000-10-10T08:18	MWR unavailable ER2-UNA-2000/043
57	414	2000-10-10T08:18	2000-10-10T09:08	MWR unavailable ER2-UNA-2000/043
57	415	2000-10-10T09:08	2000-10-10T09:58	MWR unavailable ER2-UNA-2000/043
57	416	2000-10-10T09:58	2000-10-10T10:48	MWR unavailable ER2-UNA-2000/043
57	417	2000-10-10T10:48	2000-10-10T11:39	MWR unavailable ER2-UNA-2000/043
57	418	2000-10-10T11:39	2000-10-10T12:29	MWR unavailable ER2-UNA-2000/043
57	419	2000-10-10T12:29	2000-10-10T13:19	MWR unavailable ER2-UNA-2000/043
57	420	2000-10-10T13:19	2000-10-10T14:10	MWR unavailable ER2-UNA-2000/043
57	421	2000-10-10T14:10	2000-10-10T15:00	MWR unavailable ER2-UNA-2000/043
57	422	2000-10-10T15:00	2000-10-10T15:50	MWR unavailable ER2-UNA-2000/043
57	423	2000-10-10T15:50	2000-10-10T16:41	MWR unavailable ER2-UNA-2000/043
57	424	2000-10-10T16:41	2000-10-10T17:31	MWR unavailable ER2-UNA-2000/043
57	425	2000-10-10T17:31	2000-10-10T18:21	MWR unavailable ER2-UNA-2000/043
57	426	2000-10-10T18:21	2000-10-10T19:11	MWR unavailable ER2-UNA-2000/043
57	427	2000-10-10T19:11	2000-10-10T20:02	MWR unavailable ER2-UNA-2000/043
57	428	2000-10-10T20:02	2000-10-10T20:52	MWR unavailable ER2-UNA-2000/043
57	429	2000-10-10T20:52	2000-10-10T21:42	MWR unavailable ER2-UNA-2000/043
57	430	2000-10-10T21:42	2000-10-10T22:33	MWR unavailable ER2-UNA-2000/043
57	431	2000-10-10T22:33	2000-10-10T23:23	MWR unavailable ER2-UNA-2000/043
57	432	2000-10-10T23:23	2000-10-11T00:13	MWR unavailable ER2-UNA-2000/043
57	433	2000-10-11T00:13	2000-10-11T01:04	MWR unavailable ER2-UNA-2000/043
57	434	2000-10-11T01:04	2000-10-11T01:54	MWR unavailable ER2-UNA-2000/043
57	435	2000-10-11T01:54	2000-10-11T02:44	MWR unavailable ER2-UNA-2000/043
57	436	2000-10-11T02:44	2000-10-11T03:34	MWR unavailable ER2-UNA-2000/043
57	437	2000-10-11T03:34	2000-10-11T04:25	MWR unavailable ER2-UNA-2000/043
57	438	2000-10-11T04:25	2000-10-11T05:15	MWR unavailable ER2-UNA-2000/043
57	439	2000-10-11T05:15	2000-10-11T06:05	MWR unavailable ER2-UNA-2000/043
57	440	2000-10-11T06:05	2000-10-11T06:56	MWR unavailable ER2-UNA-2000/043
57	441	2000-10-11T06:56	2000-10-11T07:46	MWR unavailable ER2-UNA-2000/043
57	442	2000-10-11T07:46	2000-10-11T08:36	MWR unavailable ER2-UNA-2000/043
57	443	2000-10-11T08:36	2000-10-11T09:27	MWR unavailable ER2-UNA-2000/043
57	948	2000-10-28T23:57	2000-10-29T00:48	unexplained missing telemetry

57	949	2000-10-29T00:48	2000-10-29T01:38	unexplained missing telemetry
57	950	2000-10-29T01:38	2000-10-29T02:28	unexplained missing telemetry
57	951	2000-10-29T02:28	2000-10-29T03:19	unexplained missing telemetry
57	952	2000-10-29T03:19	2000-10-29T04:09	unexplained missing telemetry
58	146	2000-11-04T23:37	2000-11-05T00:28	unexplained missing telemetry
58	210	2000-11-07T05:17	2000-11-07T06:07	unexplained missing telemetry
58	211	2000-11-07T06:07	2000-11-07T06:57	unexplained missing telemetry
58	524	2000-11-18T04:31	2000-11-18T05:21	unexplained missing telemetry
58	580	2000-11-20T03:27	2000-11-20T04:18	unexplained missing telemetry
58	834	2000-11-29T00:23	2000-11-29T01:14	unexplained missing telemetry
58	835	2000-11-29T01:14	2000-11-29T02:04	unexplained missing telemetry
58	836	2000-11-29T02:04	2000-11-29T02:54	unexplained missing telemetry
58	837	2000-11-29T02:54	2000-11-29T03:45	unexplained missing telemetry
58	838	2000-11-29T03:45	2000-11-29T04:35	unexplained missing telemetry
58	853	2000-11-29T16:19	2000-11-29T17:09	unexplained missing telemetry
58	976	2000-12-03T23:26	2000-12-04T00:16	unexplained missing telemetry
58	977	2000-12-04T00:16	2000-12-04T01:06	unexplained missing telemetry
58	978	2000-12-04T01:06	2000-12-04T01:57	unexplained missing telemetry
58	979	2000-12-04T01:57	2000-12-04T02:47	unexplained missing telemetry
58	980	2000-12-04T02:47	2000-12-04T03:37	unexplained missing telemetry
58	981	2000-12-04T03:37	2000-12-04T04:28	unexplained missing telemetry
58	982	2000-12-04T04:28	2000-12-04T05:18	unexplained missing telemetry
59	148	2000-12-10T01:18	2000-12-10T02:08	unexplained missing telemetry
59	152	2000-12-10T04:39	2000-12-10T05:29	unexplained missing telemetry
59	499	2000-12-22T07:33	2000-12-22T08:23	unexplained missing telemetry
60	257	2001-01-17T20:41	2001-01-17T21:31	on board anomaly: payload off
60	258	2001-01-17T21:31	2001-01-17T22:21	on board anomaly: payload off
60	259	2001-01-17T22:21	2001-01-17T23:11	on board anomaly: payload off
60	260	2001-01-17T23:11	2001-01-18T00:02	on board anomaly: payload off
60	261	2001-01-18T00:02	2001-01-18T00:52	on board anomaly: payload off
60	262	2001-01-18T00:52	2001-01-18T01:42	on board anomaly: payload off
60	263	2001-01-18T01:42	2001-01-18T02:33	on board anomaly: payload off
60	264	2001-01-18T02:33	2001-01-18T03:23	on board anomaly: payload off
60	265	2001-01-18T03:23	2001-01-18T04:13	on board anomaly: payload off
60	266	2001-01-18T04:13	2001-01-18T05:04	on board anomaly: payload off
60	267	2001-01-18T05:04	2001-01-18T05:54	on board anomaly: payload off
60	268	2001-01-18T05:54	2001-01-18T06:44	on board anomaly: payload off
60	269	2001-01-18T06:44	2001-01-18T07:34	on board anomaly: payload off
60	270	2001-01-18T07:34	2001-01-18T08:25	on board anomaly: payload off
60	271	2001-01-18T08:25	2001-01-18T09:15	on board anomaly: payload off
60	272	2001-01-18T09:15	2001-01-18T10:05	on board anomaly: payload off
60	273	2001-01-18T10:05	2001-01-18T10:56	on board anomaly: payload off
60	274	2001-01-18T10:56	2001-01-18T11:46	on board anomaly: payload off
60	275	2001-01-18T11:46	2001-01-18T12:36	on board anomaly: payload off
60	276	2001-01-18T12:36	2001-01-18T13:27	on board anomaly: payload off
60	277	2001-01-18T13:27	2001-01-18T14:17	on board anomaly: payload off
60	278	2001-01-18T14:17	2001-01-18T15:07	on board anomaly: payload off
60	279	2001-01-18T15:07	2001-01-18T15:57	on board anomaly: payload off

60	280	2001-01-18T15:57	2001-01-18T16:48	on board anomaly: payload off
60	281	2001-01-18T16:48	2001-01-18T17:38	on board anomaly: payload off
60	282	2001-01-18T17:38	2001-01-18T18:28	on board anomaly: payload off
60	283	2001-01-18T18:28	2001-01-18T19:19	on board anomaly: payload off
60	284	2001-01-18T19:19	2001-01-18T20:09	on board anomaly: payload off
60	285	2001-01-18T20:09	2001-01-18T20:59	on board anomaly: payload off
60	286	2001-01-18T20:59	2001-01-18T21:50	on board anomaly: payload off
60	287	2001-01-18T21:50	2001-01-18T22:40	on board anomaly: payload off
60	288	2001-01-18T22:40	2001-01-18T23:30	on board anomaly: payload off
60	289	2001-01-18T23:30	2001-01-19T00:20	on board anomaly: payload off
60	290	2001-01-19T00:20	2001-01-19T01:11	on board anomaly: payload off
60	291	2001-01-19T01:11	2001-01-19T02:01	on board anomaly: payload off
60	292	2001-01-19T02:01	2001-01-19T02:51	on board anomaly: payload off
60	293	2001-01-19T02:51	2001-01-19T03:42	on board anomaly: payload off
60	294	2001-01-19T03:42	2001-01-19T04:32	on board anomaly: payload off
60	295	2001-01-19T04:32	2001-01-19T05:22	on board anomaly: payload off
60	296	2001-01-19T05:22	2001-01-19T06:13	on board anomaly: payload off
60	297	2001-01-19T06:13	2001-01-19T07:03	on board anomaly: payload off
60	298	2001-01-19T07:03	2001-01-19T07:53	on board anomaly: payload off
60	299	2001-01-19T07:53	2001-01-19T08:43	on board anomaly: payload off
60	300	2001-01-19T08:43	2001-01-19T09:34	on board anomaly: payload off
60	301	2001-01-19T09:34	2001-01-19T10:24	on board anomaly: payload off
60	302	2001-01-19T10:24	2001-01-19T11:14	on board anomaly: payload off
60	303	2001-01-19T11:14	2001-01-19T12:05	on board anomaly: payload off
60	304	2001-01-19T12:05	2001-01-19T12:55	on board anomaly: payload off
60	305	2001-01-19T12:55	2001-01-19T13:45	on board anomaly: payload off
60	306	2001-01-19T13:45	2001-01-19T14:36	on board anomaly: payload off
60	307	2001-01-19T14:36	2001-01-19T15:26	on board anomaly: payload off
60	308	2001-01-19T15:26	2001-01-19T16:16	on board anomaly: payload off
60	309	2001-01-19T16:16	2001-01-19T17:06	on board anomaly: payload off
60	310	2001-01-19T17:06	2001-01-19T17:57	on board anomaly: payload off
60	311	2001-01-19T17:57	2001-01-19T18:47	on board anomaly: payload off
60	312	2001-01-19T18:47	2001-01-19T19:37	on board anomaly: payload off
60	313	2001-01-19T19:37	2001-01-19T20:28	on board anomaly: payload off
60	314	2001-01-19T20:28	2001-01-19T21:18	on board anomaly: payload off
60	315	2001-01-19T21:18	2001-01-19T22:08	on board anomaly: payload off
60	316	2001-01-19T22:08	2001-01-19T22:59	on board anomaly: payload off
60	317	2001-01-19T22:59	2001-01-19T23:49	on board anomaly: payload off
60	318	2001-01-19T23:49	2001-01-20T00:39	on board anomaly: payload off
60	319	2001-01-20T00:39	2001-01-20T01:29	on board anomaly: payload off
60	320	2001-01-20T01:29	2001-01-20T02:20	on board anomaly: payload off
60	321	2001-01-20T02:20	2001-01-20T03:10	on board anomaly: payload off
60	322	2001-01-20T03:10	2001-01-20T04:00	on board anomaly: payload off
60	323	2001-01-20T04:00	2001-01-20T04:51	on board anomaly: payload off
60	324	2001-01-20T04:51	2001-01-20T05:41	on board anomaly: payload off
60	325	2001-01-20T05:41	2001-01-20T06:31	on board anomaly: payload off
60	326	2001-01-20T06:31	2001-01-20T07:22	on board anomaly: payload off
60	327	2001-01-20T07:22	2001-01-20T08:12	on board anomaly: payload off

60	328	2001-01-20T08:12	2001-01-20T09:02	on board anomaly: payload off
60	329	2001-01-20T09:02	2001-01-20T09:52	on board anomaly: payload off
60	330	2001-01-20T09:52	2001-01-20T10:43	on board anomaly: payload off
60	331	2001-01-20T10:43	2001-01-20T11:33	on board anomaly: payload off
60	332	2001-01-20T11:33	2001-01-20T12:23	on board anomaly: payload off
60	333	2001-01-20T12:23	2001-01-20T13:14	on board anomaly: payload off
60	334	2001-01-20T13:14	2001-01-20T14:04	on board anomaly: payload off
60	335	2001-01-20T14:04	2001-01-20T14:54	on board anomaly: payload off
60	336	2001-01-20T14:54	2001-01-20T15:45	on board anomaly: payload off
60	337	2001-01-20T15:45	2001-01-20T16:35	on board anomaly: payload off
60	338	2001-01-20T16:35	2001-01-20T17:25	on board anomaly: payload off
60	339	2001-01-20T17:25	2001-01-20T18:15	on board anomaly: payload off
60	340	2001-01-20T18:15	2001-01-20T19:06	on board anomaly: payload off
60	341	2001-01-20T19:06	2001-01-20T19:56	on board anomaly: payload off
60	342	2001-01-20T19:56	2001-01-20T20:46	on board anomaly: payload off
60	343	2001-01-20T20:46	2001-01-20T21:37	on board anomaly: payload off
60	344	2001-01-20T21:37	2001-01-20T22:27	on board anomaly: payload off
60	345	2001-01-20T22:27	2001-01-20T23:17	on board anomaly: payload off
60	346	2001-01-20T23:17	2001-01-21T00:08	on board anomaly: payload off
60	347	2001-01-21T00:08	2001-01-21T00:58	on board anomaly: payload off
60	348	2001-01-21T00:58	2001-01-21T01:48	on board anomaly: payload off
60	349	2001-01-21T01:48	2001-01-21T02:38	on board anomaly: payload off
60	350	2001-01-21T02:38	2001-01-21T03:29	on board anomaly: payload off
60	351	2001-01-21T03:29	2001-01-21T04:19	on board anomaly: payload off
60	352	2001-01-21T04:19	2001-01-21T05:09	on board anomaly: payload off
60	353	2001-01-21T05:09	2001-01-21T06:00	on board anomaly: payload off
60	354	2001-01-21T06:00	2001-01-21T06:50	on board anomaly: payload off
60	355	2001-01-21T06:50	2001-01-21T07:40	on board anomaly: payload off
60	356	2001-01-21T07:40	2001-01-21T08:31	on board anomaly: payload off
60	357	2001-01-21T08:31	2001-01-21T09:21	on board anomaly: payload off
60	358	2001-01-21T09:21	2001-01-21T10:11	on board anomaly: payload off
60	359	2001-01-21T10:11	2001-01-21T11:01	on board anomaly: payload off
60	360	2001-01-21T11:01	2001-01-21T11:52	on board anomaly: payload off
60	361	2001-01-21T11:52	2001-01-21T12:42	on board anomaly: payload off
60	362	2001-01-21T12:42	2001-01-21T13:32	on board anomaly: payload off
60	363	2001-01-21T13:32	2001-01-21T14:23	on board anomaly: payload off
60	364	2001-01-21T14:23	2001-01-21T15:13	on board anomaly: payload off
60	365	2001-01-21T15:13	2001-01-21T16:03	on board anomaly: payload off
60	366	2001-01-21T16:03	2001-01-21T16:54	on board anomaly: payload off
60	367	2001-01-21T16:54	2001-01-21T17:44	on board anomaly: payload off
60	368	2001-01-21T17:44	2001-01-21T18:34	on board anomaly: payload off
60	369	2001-01-21T18:34	2001-01-21T19:24	on board anomaly: payload off
60	370	2001-01-21T19:24	2001-01-21T20:15	on board anomaly: payload off
60	371	2001-01-21T20:15	2001-01-21T21:05	on board anomaly: payload off
60	372	2001-01-21T21:05	2001-01-21T21:55	on board anomaly: payload off
60	373	2001-01-21T21:55	2001-01-21T22:46	on board anomaly: payload off
60	374	2001-01-21T22:46	2001-01-21T23:36	on board anomaly: payload off
60	375	2001-01-21T23:36	2001-01-22T00:26	on board anomaly: payload off

60	376	2001-01-22T00:26	2001-01-22T01:17	on board anomaly: payload off
60	377	2001-01-22T01:17	2001-01-22T02:07	on board anomaly: payload off
60	378	2001-01-22T02:07	2001-01-22T02:57	on board anomaly: payload off
60	379	2001-01-22T02:57	2001-01-22T03:47	on board anomaly: payload off
60	380	2001-01-22T03:47	2001-01-22T04:38	on board anomaly: payload off
60	381	2001-01-22T04:38	2001-01-22T05:28	on board anomaly: payload off
60	382	2001-01-22T05:28	2001-01-22T06:18	on board anomaly: payload off
60	383	2001-01-22T06:18	2001-01-22T07:09	on board anomaly: payload off
60	384	2001-01-22T07:09	2001-01-22T07:59	on board anomaly: payload off
60	385	2001-01-22T07:59	2001-01-22T08:49	on board anomaly: payload off
60	386	2001-01-22T08:49	2001-01-22T09:40	on board anomaly: payload off
60	387	2001-01-22T09:40	2001-01-22T10:30	on board anomaly: payload off
60	388	2001-01-22T10:30	2001-01-22T11:20	on board anomaly: payload off
60	389	2001-01-22T11:20	2001-01-22T12:10	on board anomaly: payload off
60	390	2001-01-22T12:10	2001-01-22T13:01	on board anomaly: payload off
60	391	2001-01-22T13:01	2001-01-22T13:51	on board anomaly: payload off
60	392	2001-01-22T13:51	2001-01-22T14:41	on board anomaly: payload off
60	393	2001-01-22T14:41	2001-01-22T15:32	on board anomaly: payload off
60	394	2001-01-22T15:32	2001-01-22T16:22	on board anomaly: payload off
60	395	2001-01-22T16:22	2001-01-22T17:12	on board anomaly: payload off
60	396	2001-01-22T17:12	2001-01-22T18:03	on board anomaly: payload off
60	397	2001-01-22T18:03	2001-01-22T18:53	on board anomaly: payload off
60	398	2001-01-22T18:53	2001-01-22T19:43	on board anomaly: payload off
60	399	2001-01-22T19:43	2001-01-22T20:33	on board anomaly: payload off
60	400	2001-01-22T20:33	2001-01-22T21:24	on board anomaly: payload off
60	401	2001-01-22T21:24	2001-01-22T22:14	on board anomaly: payload off
60	402	2001-01-22T22:14	2001-01-22T23:04	on board anomaly: payload off
60	403	2001-01-22T23:04	2001-01-22T23:55	on board anomaly: payload off
60	404	2001-01-22T23:55	2001-01-23T00:45	on board anomaly: payload off
60	405	2001-01-23T00:45	2001-01-23T01:35	on board anomaly: payload off
60	406	2001-01-23T01:35	2001-01-23T02:26	on board anomaly: payload off
60	407	2001-01-23T02:26	2001-01-23T03:16	on board anomaly: payload off
60	408	2001-01-23T03:16	2001-01-23T04:06	on board anomaly: payload off
60	409	2001-01-23T04:06	2001-01-23T04:56	on board anomaly: payload off
60	410	2001-01-23T04:56	2001-01-23T05:47	on board anomaly: payload off
60	411	2001-01-23T05:47	2001-01-23T06:37	on board anomaly: payload off
60	412	2001-01-23T06:37	2001-01-23T07:27	on board anomaly: payload off
60	413	2001-01-23T07:27	2001-01-23T08:18	on board anomaly: payload off
60	414	2001-01-23T08:18	2001-01-23T09:08	on board anomaly: payload off
60	415	2001-01-23T09:08	2001-01-23T09:58	on board anomaly: payload off
60	416	2001-01-23T09:58	2001-01-23T10:48	on board anomaly: payload off
60	417	2001-01-23T10:48	2001-01-23T11:39	on board anomaly: payload off
60	418	2001-01-23T11:39	2001-01-23T12:29	on board anomaly: payload off
60	419	2001-01-23T12:29	2001-01-23T13:19	on board anomaly: payload off
60	420	2001-01-23T13:19	2001-01-23T14:10	on board anomaly: payload off
60	421	2001-01-23T14:10	2001-01-23T15:00	on board anomaly: payload off
60	422	2001-01-23T15:00	2001-01-23T15:50	on board anomaly: payload off
60	423	2001-01-23T15:50	2001-01-23T16:41	on board anomaly: payload off

60	424	2001-01-23T16:41	2001-01-23T17:31	on board anomaly: payload off
60	425	2001-01-23T17:31	2001-01-23T18:21	on board anomaly: payload off
60	426	2001-01-23T18:21	2001-01-23T19:11	on board anomaly: payload off
60	427	2001-01-23T19:11	2001-01-23T20:02	on board anomaly: payload off
60	428	2001-01-23T20:02	2001-01-23T20:52	on board anomaly: payload off
60	429	2001-01-23T20:52	2001-01-23T21:42	on board anomaly: payload off
60	430	2001-01-23T21:42	2001-01-23T22:33	on board anomaly: payload off
60	431	2001-01-23T22:33	2001-01-23T23:23	on board anomaly: payload off
60	432	2001-01-23T23:23	2001-01-24T00:13	on board anomaly: payload off
60	433	2001-01-24T00:13	2001-01-24T01:04	on board anomaly: payload off
60	434	2001-01-24T01:04	2001-01-24T01:54	on board anomaly: payload off
60	435	2001-01-24T01:54	2001-01-24T02:44	on board anomaly: payload off
60	436	2001-01-24T02:44	2001-01-24T03:34	on board anomaly: payload off
60	437	2001-01-24T03:34	2001-01-24T04:25	on board anomaly: payload off
60	438	2001-01-24T04:25	2001-01-24T05:15	on board anomaly: payload off
60	439	2001-01-24T05:15	2001-01-24T06:05	on board anomaly: payload off
60	440	2001-01-24T06:05	2001-01-24T06:56	on board anomaly: payload off
60	441	2001-01-24T06:56	2001-01-24T07:46	on board anomaly: payload off
60	442	2001-01-24T07:46	2001-01-24T08:36	on board anomaly: payload off
60	443	2001-01-24T08:36	2001-01-24T09:27	on board anomaly: payload off
60	444	2001-01-24T09:27	2001-01-24T10:17	on board anomaly: payload off
60	445	2001-01-24T10:17	2001-01-24T11:07	on board anomaly: payload off
60	446	2001-01-24T11:07	2001-01-24T11:57	on board anomaly: payload off
60	447	2001-01-24T11:57	2001-01-24T12:48	on board anomaly: payload off
60	448	2001-01-24T12:48	2001-01-24T13:38	on board anomaly: payload off
60	449	2001-01-24T13:38	2001-01-24T14:28	on board anomaly: payload off
60	450	2001-01-24T14:28	2001-01-24T15:19	on board anomaly: payload off
60	451	2001-01-24T15:19	2001-01-24T16:09	on board anomaly: payload off
60	452	2001-01-24T16:09	2001-01-24T16:59	on board anomaly: payload off
60	453	2001-01-24T16:59	2001-01-24T17:50	on board anomaly: payload off
60	454	2001-01-24T17:50	2001-01-24T18:40	on board anomaly: payload off
60	455	2001-01-24T18:40	2001-01-24T19:30	on board anomaly: payload off
60	456	2001-01-24T19:30	2001-01-24T20:20	on board anomaly: payload off
60	457	2001-01-24T20:20	2001-01-24T21:11	on board anomaly: payload off
60	458	2001-01-24T21:11	2001-01-24T22:01	on board anomaly: payload off
60	459	2001-01-24T22:01	2001-01-24T22:51	on board anomaly: payload off
60	460	2001-01-24T22:51	2001-01-24T23:42	on board anomaly: payload off
60	461	2001-01-24T23:42	2001-01-25T00:32	on board anomaly: payload off
60	462	2001-01-25T00:32	2001-01-25T01:22	on board anomaly: payload off
60	463	2001-01-25T01:22	2001-01-25T02:13	on board anomaly: payload off
60	464	2001-01-25T02:13	2001-01-25T03:03	on board anomaly: payload off
60	465	2001-01-25T03:03	2001-01-25T03:53	on board anomaly: payload off
60	466	2001-01-25T03:53	2001-01-25T04:43	on board anomaly: payload off
60	467	2001-01-25T04:43	2001-01-25T05:34	on board anomaly: payload off
60	468	2001-01-25T05:34	2001-01-25T06:24	on board anomaly: payload off
60	469	2001-01-25T06:24	2001-01-25T07:14	on board anomaly: payload off
60	470	2001-01-25T07:14	2001-01-25T08:05	on board anomaly: payload off
60	471	2001-01-25T08:05	2001-01-25T08:55	on board anomaly: payload off

60	472	2001-01-25T08:55	2001-01-25T09:45	on board anomaly: payload off
60	473	2001-01-25T09:45	2001-01-25T10:36	on board anomaly: payload off
60	474	2001-01-25T10:36	2001-01-25T11:26	on board anomaly: payload off
60	475	2001-01-25T11:26	2001-01-25T12:16	on board anomaly: payload off
60	476	2001-01-25T12:16	2001-01-25T13:06	on board anomaly: payload off
60	477	2001-01-25T13:06	2001-01-25T13:57	on board anomaly: payload off
60	478	2001-01-25T13:57	2001-01-25T14:47	on board anomaly: payload off
60	479	2001-01-25T14:47	2001-01-25T15:37	on board anomaly: payload off
60	480	2001-01-25T15:37	2001-01-25T16:28	on board anomaly: payload off
60	481	2001-01-25T16:28	2001-01-25T17:18	on board anomaly: payload off
60	482	2001-01-25T17:18	2001-01-25T18:08	on board anomaly: payload off
60	483	2001-01-25T18:08	2001-01-25T18:59	on board anomaly: payload off
60	484	2001-01-25T18:59	2001-01-25T19:49	on board anomaly: payload off
60	485	2001-01-25T19:49	2001-01-25T20:39	on board anomaly: payload off
60	486	2001-01-25T20:39	2001-01-25T21:29	on board anomaly: payload off
60	487	2001-01-25T21:29	2001-01-25T22:20	on board anomaly: payload off
60	488	2001-01-25T22:20	2001-01-25T23:10	on board anomaly: payload off
60	489	2001-01-25T23:10	2001-01-26T00:00	on board anomaly: payload off
60	490	2001-01-26T00:00	2001-01-26T00:51	on board anomaly: payload off
60	491	2001-01-26T00:51	2001-01-26T01:41	on board anomaly: payload off
60	492	2001-01-26T01:41	2001-01-26T02:31	on board anomaly: payload off
60	493	2001-01-26T02:31	2001-01-26T03:22	on board anomaly: payload off
60	494	2001-01-26T03:22	2001-01-26T04:12	on board anomaly: payload off
60	495	2001-01-26T04:12	2001-01-26T05:02	on board anomaly: payload off
60	496	2001-01-26T05:02	2001-01-26T05:52	on board anomaly: payload off
60	497	2001-01-26T05:52	2001-01-26T06:43	on board anomaly: payload off
60	498	2001-01-26T06:43	2001-01-26T07:33	on board anomaly: payload off
60	499	2001-01-26T07:33	2001-01-26T08:23	on board anomaly: payload off
60	500	2001-01-26T08:23	2001-01-26T09:14	on board anomaly: payload off
60	501	2001-01-26T09:14	2001-01-26T10:04	on board anomaly: payload off
60	502	2001-01-26T10:04	2001-01-26T10:54	on board anomaly: payload off
60	503	2001-01-26T10:54	2001-01-26T11:45	on board anomaly: payload off
60	504	2001-01-26T11:45	2001-01-26T12:35	on board anomaly: payload off
60	505	2001-01-26T12:35	2001-01-26T13:25	on board anomaly: payload off
60	506	2001-01-26T13:25	2001-01-26T14:15	on board anomaly: payload off
60	507	2001-01-26T14:15	2001-01-26T15:06	on board anomaly: payload off
60	508	2001-01-26T15:06	2001-01-26T15:56	on board anomaly: payload off
60	509	2001-01-26T15:56	2001-01-26T16:46	on board anomaly: payload off
60	510	2001-01-26T16:46	2001-01-26T17:37	on board anomaly: payload off
60	511	2001-01-26T17:37	2001-01-26T18:27	on board anomaly: payload off
60	512	2001-01-26T18:27	2001-01-26T19:17	on board anomaly: payload off
60	513	2001-01-26T19:17	2001-01-26T20:08	on board anomaly: payload off
60	514	2001-01-26T20:08	2001-01-26T20:58	on board anomaly: payload off
60	515	2001-01-26T20:58	2001-01-26T21:48	on board anomaly: payload off
60	516	2001-01-26T21:48	2001-01-26T22:38	on board anomaly: payload off
60	517	2001-01-26T22:38	2001-01-26T23:29	on board anomaly: payload off
60	518	2001-01-26T23:29	2001-01-27T00:19	on board anomaly: payload off
60	519	2001-01-27T00:19	2001-01-27T01:09	on board anomaly: payload off

60	520	2001-01-27T01:09	2001-01-27T02:00	on board anomaly: payload off
60	521	2001-01-27T02:00	2001-01-27T02:50	on board anomaly: payload off
60	522	2001-01-27T02:50	2001-01-27T03:40	on board anomaly: payload off
60	523	2001-01-27T03:40	2001-01-27T04:31	on board anomaly: payload off
60	524	2001-01-27T04:31	2001-01-27T05:21	on board anomaly: payload off
60	525	2001-01-27T05:21	2001-01-27T06:11	on board anomaly: payload off
60	526	2001-01-27T06:11	2001-01-27T07:01	on board anomaly: payload off
60	527	2001-01-27T07:01	2001-01-27T07:52	on board anomaly: payload off
60	528	2001-01-27T07:52	2001-01-27T08:42	on board anomaly: payload off
60	529	2001-01-27T08:42	2001-01-27T09:32	on board anomaly: payload off
60	530	2001-01-27T09:32	2001-01-27T10:23	on board anomaly: payload off
60	531	2001-01-27T10:23	2001-01-27T11:13	on board anomaly: payload off
60	532	2001-01-27T11:13	2001-01-27T12:03	on board anomaly: payload off
60	533	2001-01-27T12:03	2001-01-27T12:54	on board anomaly: payload off
60	534	2001-01-27T12:54	2001-01-27T13:44	on board anomaly: payload off
60	535	2001-01-27T13:44	2001-01-27T14:34	on board anomaly: payload off
60	536	2001-01-27T14:34	2001-01-27T15:24	on board anomaly: payload off
60	537	2001-01-27T15:24	2001-01-27T16:15	on board anomaly: payload off
60	538	2001-01-27T16:15	2001-01-27T17:05	on board anomaly: payload off
60	539	2001-01-27T17:05	2001-01-27T17:55	on board anomaly: payload off
60	540	2001-01-27T17:55	2001-01-27T18:46	on board anomaly: payload off
60	541	2001-01-27T18:46	2001-01-27T19:36	on board anomaly: payload off
60	542	2001-01-27T19:36	2001-01-27T20:26	on board anomaly: payload off
60	543	2001-01-27T20:26	2001-01-27T21:17	on board anomaly: payload off
60	544	2001-01-27T21:17	2001-01-27T22:07	on board anomaly: payload off
60	545	2001-01-27T22:07	2001-01-27T22:57	on board anomaly: payload off
60	546	2001-01-27T22:57	2001-01-27T23:47	on board anomaly: payload off
60	547	2001-01-27T23:47	2001-01-28T00:38	on board anomaly: payload off
60	548	2001-01-28T00:38	2001-01-28T01:28	on board anomaly: payload off
60	549	2001-01-28T01:28	2001-01-28T02:18	on board anomaly: payload off
60	550	2001-01-28T02:18	2001-01-28T03:09	on board anomaly: payload off
60	551	2001-01-28T03:09	2001-01-28T03:59	on board anomaly: payload off
60	552	2001-01-28T03:59	2001-01-28T04:49	on board anomaly: payload off
60	553	2001-01-28T04:49	2001-01-28T05:40	on board anomaly: payload off
60	554	2001-01-28T05:40	2001-01-28T06:30	on board anomaly: payload off
60	555	2001-01-28T06:30	2001-01-28T07:20	on board anomaly: payload off
60	556	2001-01-28T07:20	2001-01-28T08:10	on board anomaly: payload off
60	557	2001-01-28T08:10	2001-01-28T09:01	on board anomaly: payload off
60	558	2001-01-28T09:01	2001-01-28T09:51	on board anomaly: payload off
60	559	2001-01-28T09:51	2001-01-28T10:41	on board anomaly: payload off
60	560	2001-01-28T10:41	2001-01-28T11:32	on board anomaly: payload off
60	561	2001-01-28T11:32	2001-01-28T12:22	on board anomaly: payload off
60	562	2001-01-28T12:22	2001-01-28T13:12	on board anomaly: payload off
60	563	2001-01-28T13:12	2001-01-28T14:03	on board anomaly: payload off
60	564	2001-01-28T14:03	2001-01-28T14:53	on board anomaly: payload off
60	565	2001-01-28T14:53	2001-01-28T15:43	on board anomaly: payload off
60	566	2001-01-28T15:43	2001-01-28T16:33	on board anomaly: payload off
60	567	2001-01-28T16:33	2001-01-28T17:24	on board anomaly: payload off

60	568	2001-01-28T17:24	2001-01-28T18:14	on board anomaly: payload off
60	569	2001-01-28T18:14	2001-01-28T19:04	on board anomaly: payload off
60	570	2001-01-28T19:04	2001-01-28T19:55	on board anomaly: payload off
60	571	2001-01-28T19:55	2001-01-28T20:45	on board anomaly: payload off
60	572	2001-01-28T20:45	2001-01-28T21:35	on board anomaly: payload off
60	573	2001-01-28T21:35	2001-01-28T22:26	on board anomaly: payload off
60	574	2001-01-28T22:26	2001-01-28T23:16	on board anomaly: payload off
60	575	2001-01-28T23:16	2001-01-29T00:06	on board anomaly: payload off
60	576	2001-01-29T00:06	2001-01-29T00:56	on board anomaly: payload off
60	577	2001-01-29T00:56	2001-01-29T01:47	on board anomaly: payload off
60	578	2001-01-29T01:47	2001-01-29T02:37	on board anomaly: payload off
60	579	2001-01-29T02:37	2001-01-29T03:27	on board anomaly: payload off
60	580	2001-01-29T03:27	2001-01-29T04:18	on board anomaly: payload off
60	581	2001-01-29T04:18	2001-01-29T05:08	on board anomaly: payload off
60	582	2001-01-29T05:08	2001-01-29T05:58	on board anomaly: payload off
60	583	2001-01-29T05:58	2001-01-29T06:48	on board anomaly: payload off
60	584	2001-01-29T06:48	2001-01-29T07:39	on board anomaly: payload off
60	585	2001-01-29T07:39	2001-01-29T08:29	on board anomaly: payload off
60	586	2001-01-29T08:29	2001-01-29T09:19	on board anomaly: payload off
60	587	2001-01-29T09:19	2001-01-29T10:10	on board anomaly: payload off
60	588	2001-01-29T10:10	2001-01-29T11:00	on board anomaly: payload off
60	589	2001-01-29T11:00	2001-01-29T11:50	on board anomaly: payload off
60	590	2001-01-29T11:50	2001-01-29T12:41	on board anomaly: payload off
60	591	2001-01-29T12:41	2001-01-29T13:31	on board anomaly: payload off
60	592	2001-01-29T13:31	2001-01-29T14:21	on board anomaly: payload off
60	593	2001-01-29T14:21	2001-01-29T15:11	on board anomaly: payload off
60	594	2001-01-29T15:11	2001-01-29T16:02	on board anomaly: payload off
60	595	2001-01-29T16:02	2001-01-29T16:52	on board anomaly: payload off
60	596	2001-01-29T16:52	2001-01-29T17:42	on board anomaly: payload off
60	597	2001-01-29T17:42	2001-01-29T18:33	on board anomaly: payload off
60	598	2001-01-29T18:33	2001-01-29T19:23	on board anomaly: payload off
60	599	2001-01-29T19:23	2001-01-29T20:13	on board anomaly: payload off
60	600	2001-01-29T20:13	2001-01-29T21:04	on board anomaly: payload off
60	601	2001-01-29T21:04	2001-01-29T21:54	on board anomaly: payload off
60	602	2001-01-29T21:54	2001-01-29T22:44	on board anomaly: payload off
60	603	2001-01-29T22:44	2001-01-29T23:34	on board anomaly: payload off
60	604	2001-01-29T23:34	2001-01-30T00:25	on board anomaly: payload off
60	605	2001-01-30T00:25	2001-01-30T01:15	on board anomaly: payload off
60	606	2001-01-30T01:15	2001-01-30T02:05	on board anomaly: payload off
60	607	2001-01-30T02:05	2001-01-30T02:56	on board anomaly: payload off
60	608	2001-01-30T02:56	2001-01-30T03:46	on board anomaly: payload off
60	609	2001-01-30T03:46	2001-01-30T04:36	on board anomaly: payload off
60	610	2001-01-30T04:36	2001-01-30T05:27	on board anomaly: payload off
60	611	2001-01-30T05:27	2001-01-30T06:17	on board anomaly: payload off
60	612	2001-01-30T06:17	2001-01-30T07:07	on board anomaly: payload off
60	613	2001-01-30T07:07	2001-01-30T07:57	on board anomaly: payload off
60	614	2001-01-30T07:57	2001-01-30T08:48	on board anomaly: payload off
60	615	2001-01-30T08:48	2001-01-30T09:38	on board anomaly: payload off

60	616	2001-01-30T09:38	2001-01-30T10:28	on board anomaly: payload off
60	617	2001-01-30T10:28	2001-01-30T11:19	on board anomaly: payload off
60	618	2001-01-30T11:19	2001-01-30T12:09	on board anomaly: payload off
60	619	2001-01-30T12:09	2001-01-30T12:59	on board anomaly: payload off
60	620	2001-01-30T12:59	2001-01-30T13:50	on board anomaly: payload off
60	621	2001-01-30T13:50	2001-01-30T14:40	on board anomaly: payload off
60	622	2001-01-30T14:40	2001-01-30T15:30	on board anomaly: payload off
60	623	2001-01-30T15:30	2001-01-30T16:20	on board anomaly: payload off
60	624	2001-01-30T16:20	2001-01-30T17:11	on board anomaly: payload off
60	625	2001-01-30T17:11	2001-01-30T18:01	on board anomaly: payload off
60	626	2001-01-30T18:01	2001-01-30T18:51	on board anomaly: payload off
60	627	2001-01-30T18:51	2001-01-30T19:42	on board anomaly: payload off
60	628	2001-01-30T19:42	2001-01-30T20:32	on board anomaly: payload off
60	629	2001-01-30T20:32	2001-01-30T21:22	on board anomaly: payload off
60	630	2001-01-30T21:22	2001-01-30T22:13	on board anomaly: payload off
60	631	2001-01-30T22:13	2001-01-30T23:03	on board anomaly: payload off
60	632	2001-01-30T23:03	2001-01-30T23:53	on board anomaly: payload off
60	633	2001-01-30T23:53	2001-01-31T00:43	on board anomaly: payload off
60	634	2001-01-31T00:43	2001-01-31T01:34	on board anomaly: payload off
60	635	2001-01-31T01:34	2001-01-31T02:24	on board anomaly: payload off
60	636	2001-01-31T02:24	2001-01-31T03:14	on board anomaly: payload off
60	637	2001-01-31T03:14	2001-01-31T04:05	on board anomaly: payload off
60	638	2001-01-31T04:05	2001-01-31T04:55	on board anomaly: payload off
60	639	2001-01-31T04:55	2001-01-31T05:45	on board anomaly: payload off
60	640	2001-01-31T05:45	2001-01-31T06:36	on board anomaly: payload off
60	641	2001-01-31T06:36	2001-01-31T07:26	on board anomaly: payload off
60	642	2001-01-31T07:26	2001-01-31T08:16	on board anomaly: payload off
60	643	2001-01-31T08:16	2001-01-31T09:06	on board anomaly: payload off
60	644	2001-01-31T09:06	2001-01-31T09:57	on board anomaly: payload off
60	645	2001-01-31T09:57	2001-01-31T10:47	on board anomaly: payload off
60	646	2001-01-31T10:47	2001-01-31T11:37	on board anomaly: payload off
60	647	2001-01-31T11:37	2001-01-31T12:28	on board anomaly: payload off
60	648	2001-01-31T12:28	2001-01-31T13:18	on board anomaly: payload off
60	649	2001-01-31T13:18	2001-01-31T14:08	on board anomaly: payload off
60	650	2001-01-31T14:08	2001-01-31T14:59	on board anomaly: payload off
60	651	2001-01-31T14:59	2001-01-31T15:49	on board anomaly: payload off
60	652	2001-01-31T15:49	2001-01-31T16:39	on board anomaly: payload off
60	653	2001-01-31T16:39	2001-01-31T17:29	on board anomaly: payload off
60	654	2001-01-31T17:29	2001-01-31T18:20	on board anomaly: payload off
60	655	2001-01-31T18:20	2001-01-31T19:10	on board anomaly: payload off
60	656	2001-01-31T19:10	2001-01-31T20:00	on board anomaly: payload off
60	657	2001-01-31T20:00	2001-01-31T20:51	on board anomaly: payload off
60	658	2001-01-31T20:51	2001-01-31T21:41	on board anomaly: payload off
60	659	2001-01-31T21:41	2001-01-31T22:31	on board anomaly: payload off
60	660	2001-01-31T22:31	2001-01-31T23:22	on board anomaly: payload off
60	661	2001-01-31T23:22	2001-02-01T00:12	on board anomaly: payload off
60	662	2001-02-01T00:12	2001-02-01T01:02	on board anomaly: payload off
60	663	2001-02-01T01:02	2001-02-01T01:52	on board anomaly: payload off

60	664	2001-02-01T01:52	2001-02-01T02:43	on board anomaly: payload off
60	665	2001-02-01T02:43	2001-02-01T03:33	on board anomaly: payload off
60	666	2001-02-01T03:33	2001-02-01T04:23	on board anomaly: payload off
60	667	2001-02-01T04:23	2001-02-01T05:14	on board anomaly: payload off
60	668	2001-02-01T05:14	2001-02-01T06:04	on board anomaly: payload off
60	669	2001-02-01T06:04	2001-02-01T06:54	on board anomaly: payload off
60	670	2001-02-01T06:54	2001-02-01T07:45	on board anomaly: payload off
60	671	2001-02-01T07:45	2001-02-01T08:35	on board anomaly: payload off
60	672	2001-02-01T08:35	2001-02-01T09:25	on board anomaly: payload off
60	673	2001-02-01T09:25	2001-02-01T10:15	on board anomaly: payload off
60	674	2001-02-01T10:15	2001-02-01T11:06	on board anomaly: payload off
60	675	2001-02-01T11:06	2001-02-01T11:56	on board anomaly: payload off
60	676	2001-02-01T11:56	2001-02-01T12:46	on board anomaly: payload off
60	677	2001-02-01T12:46	2001-02-01T13:37	on board anomaly: payload off
60	678	2001-02-01T13:37	2001-02-01T14:27	on board anomaly: payload off
60	679	2001-02-01T14:27	2001-02-01T15:17	on board anomaly: payload off
60	680	2001-02-01T15:17	2001-02-01T16:08	on board anomaly: payload off
60	681	2001-02-01T16:08	2001-02-01T16:58	on board anomaly: payload off
60	682	2001-02-01T16:58	2001-02-01T17:48	on board anomaly: payload off
60	683	2001-02-01T17:48	2001-02-01T18:38	on board anomaly: payload off
60	684	2001-02-01T18:38	2001-02-01T19:29	on board anomaly: payload off
60	685	2001-02-01T19:29	2001-02-01T20:19	on board anomaly: payload off
60	686	2001-02-01T20:19	2001-02-01T21:09	on board anomaly: payload off
60	687	2001-02-01T21:09	2001-02-01T22:00	on board anomaly: payload off
60	688	2001-02-01T22:00	2001-02-01T22:50	on board anomaly: payload off
60	689	2001-02-01T22:50	2001-02-01T23:40	on board anomaly: payload off
60	690	2001-02-01T23:40	2001-02-02T00:31	on board anomaly: payload off
60	691	2001-02-02T00:31	2001-02-02T01:21	on board anomaly: payload off
60	692	2001-02-02T01:21	2001-02-02T02:11	on board anomaly: payload off
60	693	2001-02-02T02:11	2001-02-02T03:01	on board anomaly: payload off
60	694	2001-02-02T03:01	2001-02-02T03:52	on board anomaly: payload off
60	695	2001-02-02T03:52	2001-02-02T04:42	on board anomaly: payload off
60	696	2001-02-02T04:42	2001-02-02T05:32	on board anomaly: payload off
60	697	2001-02-02T05:32	2001-02-02T06:23	on board anomaly: payload off
60	698	2001-02-02T06:23	2001-02-02T07:13	on board anomaly: payload off
60	699	2001-02-02T07:13	2001-02-02T08:03	on board anomaly: payload off
60	700	2001-02-02T08:03	2001-02-02T08:54	on board anomaly: payload off
60	701	2001-02-02T08:54	2001-02-02T09:44	on board anomaly: payload off
60	702	2001-02-02T09:44	2001-02-02T10:34	on board anomaly: payload off
60	703	2001-02-02T10:34	2001-02-02T11:24	on board anomaly: payload off
60	704	2001-02-02T11:24	2001-02-02T12:15	on board anomaly: payload off
60	705	2001-02-02T12:15	2001-02-02T13:05	on board anomaly: payload off
60	706	2001-02-02T13:05	2001-02-02T13:55	on board anomaly: payload off
60	707	2001-02-02T13:55	2001-02-02T14:46	on board anomaly: payload off
60	708	2001-02-02T14:46	2001-02-02T15:36	on board anomaly: payload off
60	709	2001-02-02T15:36	2001-02-02T16:26	on board anomaly: payload off
60	710	2001-02-02T16:26	2001-02-02T17:17	on board anomaly: payload off
60	711	2001-02-02T17:17	2001-02-02T18:07	on board anomaly: payload off

60	712	2001-02-02T18:07	2001-02-02T18:57	on board anomaly: payload off
60	713	2001-02-02T18:57	2001-02-02T19:47	on board anomaly: payload off
60	714	2001-02-02T19:47	2001-02-02T20:38	on board anomaly: payload off
60	715	2001-02-02T20:38	2001-02-02T21:28	on board anomaly: payload off
60	716	2001-02-02T21:28	2001-02-02T22:18	on board anomaly: payload off
60	717	2001-02-02T22:18	2001-02-02T23:09	on board anomaly: payload off
60	718	2001-02-02T23:09	2001-02-02T23:59	on board anomaly: payload off
60	719	2001-02-02T23:59	2001-02-03T00:49	on board anomaly: payload off
60	720	2001-02-03T00:49	2001-02-03T01:40	on board anomaly: payload off
60	721	2001-02-03T01:40	2001-02-03T02:30	on board anomaly: payload off
60	722	2001-02-03T02:30	2001-02-03T03:20	on board anomaly: payload off
60	723	2001-02-03T03:20	2001-02-03T04:10	on board anomaly: payload off
60	724	2001-02-03T04:10	2001-02-03T05:01	on board anomaly: payload off
60	725	2001-02-03T05:01	2001-02-03T05:51	on board anomaly: payload off
60	726	2001-02-03T05:51	2001-02-03T06:41	on board anomaly: payload off
60	727	2001-02-03T06:41	2001-02-03T07:32	on board anomaly: payload off
60	728	2001-02-03T07:32	2001-02-03T08:22	on board anomaly: payload off
60	729	2001-02-03T08:22	2001-02-03T09:12	on board anomaly: payload off
60	730	2001-02-03T09:12	2001-02-03T10:03	on board anomaly: payload off
60	731	2001-02-03T10:03	2001-02-03T10:53	on board anomaly: payload off
60	732	2001-02-03T10:53	2001-02-03T11:43	on board anomaly: payload off
60	733	2001-02-03T11:43	2001-02-03T12:33	on board anomaly: payload off
60	734	2001-02-03T12:33	2001-02-03T13:24	on board anomaly: payload off
60	735	2001-02-03T13:24	2001-02-03T14:14	on board anomaly: payload off
60	736	2001-02-03T14:14	2001-02-03T15:04	on board anomaly: payload off
60	737	2001-02-03T15:04	2001-02-03T15:55	on board anomaly: payload off
60	738	2001-02-03T15:55	2001-02-03T16:45	on board anomaly: payload off
60	739	2001-02-03T16:45	2001-02-03T17:35	on board anomaly: payload off
60	740	2001-02-03T17:35	2001-02-03T18:26	on board anomaly: payload off
60	741	2001-02-03T18:26	2001-02-03T19:16	on board anomaly: payload off
60	742	2001-02-03T19:16	2001-02-03T20:06	on board anomaly: payload off
60	743	2001-02-03T20:06	2001-02-03T20:56	on board anomaly: payload off
60	744	2001-02-03T20:56	2001-02-03T21:47	on board anomaly: payload off
60	745	2001-02-03T21:47	2001-02-03T22:37	on board anomaly: payload off
60	746	2001-02-03T22:37	2001-02-03T23:27	on board anomaly: payload off
60	747	2001-02-03T23:27	2001-02-04T00:18	on board anomaly: payload off
60	748	2001-02-04T00:18	2001-02-04T01:08	on board anomaly: payload off
60	749	2001-02-04T01:08	2001-02-04T01:58	on board anomaly: payload off
60	750	2001-02-04T01:58	2001-02-04T02:48	on board anomaly: payload off
60	751	2001-02-04T02:48	2001-02-04T03:39	on board anomaly: payload off
60	752	2001-02-04T03:39	2001-02-04T04:29	on board anomaly: payload off
60	753	2001-02-04T04:29	2001-02-04T05:19	on board anomaly: payload off
60	754	2001-02-04T05:19	2001-02-04T06:10	on board anomaly: payload off
60	755	2001-02-04T06:10	2001-02-04T07:00	on board anomaly: payload off
60	756	2001-02-04T07:00	2001-02-04T07:50	on board anomaly: payload off
60	757	2001-02-04T07:50	2001-02-04T08:41	on board anomaly: payload off
60	758	2001-02-04T08:41	2001-02-04T09:31	on board anomaly: payload off
60	759	2001-02-04T09:31	2001-02-04T10:21	on board anomaly: payload off

60	760	2001-02-04T10:21	2001-02-04T11:11	on board anomaly: payload off
60	761	2001-02-04T11:11	2001-02-04T12:02	on board anomaly: payload off
60	762	2001-02-04T12:02	2001-02-04T12:52	on board anomaly: payload off
60	763	2001-02-04T12:52	2001-02-04T13:42	on board anomaly: payload off
60	764	2001-02-04T13:42	2001-02-04T14:33	on board anomaly: payload off
60	765	2001-02-04T14:33	2001-02-04T15:23	on board anomaly: payload off
60	766	2001-02-04T15:23	2001-02-04T16:13	on board anomaly: payload off
60	767	2001-02-04T16:13	2001-02-04T17:04	on board anomaly: payload off
60	768	2001-02-04T17:04	2001-02-04T17:54	on board anomaly: payload off
60	769	2001-02-04T17:54	2001-02-04T18:44	on board anomaly: payload off
60	770	2001-02-04T18:44	2001-02-04T19:34	on board anomaly: payload off
60	771	2001-02-04T19:34	2001-02-04T20:25	on board anomaly: payload off
60	772	2001-02-04T20:25	2001-02-04T21:15	on board anomaly: payload off
60	773	2001-02-04T21:15	2001-02-04T22:05	on board anomaly: payload off
60	774	2001-02-04T22:05	2001-02-04T22:56	on board anomaly: payload off
60	775	2001-02-04T22:56	2001-02-04T23:46	on board anomaly: payload off
60	776	2001-02-04T23:46	2001-02-05T00:36	on board anomaly: payload off
60	777	2001-02-05T00:36	2001-02-05T01:27	on board anomaly: payload off
60	778	2001-02-05T01:27	2001-02-05T02:17	on board anomaly: payload off
60	779	2001-02-05T02:17	2001-02-05T03:07	on board anomaly: payload off
60	780	2001-02-05T03:07	2001-02-05T03:57	on board anomaly: payload off
60	781	2001-02-05T03:57	2001-02-05T04:48	on board anomaly: payload off
60	782	2001-02-05T04:48	2001-02-05T05:38	on board anomaly: payload off
60	783	2001-02-05T05:38	2001-02-05T06:28	on board anomaly: payload off
60	784	2001-02-05T06:28	2001-02-05T07:19	on board anomaly: payload off
60	785	2001-02-05T07:19	2001-02-05T08:09	on board anomaly: payload off
60	786	2001-02-05T08:09	2001-02-05T08:59	on board anomaly: payload off
60	787	2001-02-05T08:59	2001-02-05T09:50	on board anomaly: payload off
60	788	2001-02-05T09:50	2001-02-05T10:40	on board anomaly: payload off
60	789	2001-02-05T10:40	2001-02-05T11:30	on board anomaly: payload off
60	790	2001-02-05T11:30	2001-02-05T12:20	on board anomaly: payload off
60	791	2001-02-05T12:20	2001-02-05T13:11	on board anomaly: payload off
60	792	2001-02-05T13:11	2001-02-05T14:01	on board anomaly: payload off
60	793	2001-02-05T14:01	2001-02-05T14:51	on board anomaly: payload off
60	794	2001-02-05T14:51	2001-02-05T15:42	on board anomaly: payload off
60	795	2001-02-05T15:42	2001-02-05T16:32	on board anomaly: payload off
60	796	2001-02-05T16:32	2001-02-05T17:22	on board anomaly: payload off
60	797	2001-02-05T17:22	2001-02-05T18:13	on board anomaly: payload off
60	798	2001-02-05T18:13	2001-02-05T19:03	on board anomaly: payload off
60	799	2001-02-05T19:03	2001-02-05T19:53	on board anomaly: payload off
60	800	2001-02-05T19:53	2001-02-05T20:43	on board anomaly: payload off
60	801	2001-02-05T20:43	2001-02-05T21:34	on board anomaly: payload off
60	802	2001-02-05T21:34	2001-02-05T22:24	on board anomaly: payload off
60	803	2001-02-05T22:24	2001-02-05T23:14	on board anomaly: payload off
60	804	2001-02-05T23:14	2001-02-06T00:05	on board anomaly: payload off
60	805	2001-02-06T00:05	2001-02-06T00:55	on board anomaly: payload off
60	806	2001-02-06T00:55	2001-02-06T01:45	on board anomaly: payload off
60	807	2001-02-06T01:45	2001-02-06T02:36	on board anomaly: payload off

60	808	2001-02-06T02:36	2001-02-06T03:26	on board anomaly: payload off
60	809	2001-02-06T03:26	2001-02-06T04:16	on board anomaly: payload off
60	810	2001-02-06T04:16	2001-02-06T05:06	on board anomaly: payload off
60	811	2001-02-06T05:06	2001-02-06T05:57	on board anomaly: payload off
60	812	2001-02-06T05:57	2001-02-06T06:47	on board anomaly: payload off
60	813	2001-02-06T06:47	2001-02-06T07:37	on board anomaly: payload off
60	814	2001-02-06T07:37	2001-02-06T08:28	on board anomaly: payload off
60	815	2001-02-06T08:28	2001-02-06T09:18	on board anomaly: payload off
60	816	2001-02-06T09:18	2001-02-06T10:08	on board anomaly: payload off
60	817	2001-02-06T10:08	2001-02-06T10:59	on board anomaly: payload off
60	818	2001-02-06T10:59	2001-02-06T11:49	on board anomaly: payload off
60	819	2001-02-06T11:49	2001-02-06T12:39	on board anomaly: payload off
60	820	2001-02-06T12:39	2001-02-06T13:29	on board anomaly: payload off
60	821	2001-02-06T13:29	2001-02-06T14:20	on board anomaly: payload off
60	822	2001-02-06T14:20	2001-02-06T15:10	on board anomaly: payload off
60	823	2001-02-06T15:10	2001-02-06T16:00	on board anomaly: payload off
60	824	2001-02-06T16:00	2001-02-06T16:51	on board anomaly: payload off
60	825	2001-02-06T16:51	2001-02-06T17:41	on board anomaly: payload off
60	826	2001-02-06T17:41	2001-02-06T18:31	on board anomaly: payload off
60	827	2001-02-06T18:31	2001-02-06T19:22	on board anomaly: payload off
60	828	2001-02-06T19:22	2001-02-06T20:12	on board anomaly: payload off
60	829	2001-02-06T20:12	2001-02-06T21:02	on board anomaly: payload off
60	830	2001-02-06T21:02	2001-02-06T21:52	on board anomaly: payload off
60	831	2001-02-06T21:52	2001-02-06T22:43	on board anomaly: payload off
60	832	2001-02-06T22:43	2001-02-06T23:33	on board anomaly: payload off
60	833	2001-02-06T23:33	2001-02-07T00:23	on board anomaly: payload off
60	834	2001-02-07T00:23	2001-02-07T01:14	on board anomaly: payload off
60	835	2001-02-07T01:14	2001-02-07T02:04	on board anomaly: payload off
60	836	2001-02-07T02:04	2001-02-07T02:54	on board anomaly: payload off
60	837	2001-02-07T02:54	2001-02-07T03:45	on board anomaly: payload off
60	838	2001-02-07T03:45	2001-02-07T04:35	on board anomaly: payload off
60	839	2001-02-07T04:35	2001-02-07T05:25	on board anomaly: payload off
60	840	2001-02-07T05:25	2001-02-07T06:15	on board anomaly: payload off
60	841	2001-02-07T06:15	2001-02-07T07:06	on board anomaly: payload off
60	842	2001-02-07T07:06	2001-02-07T07:56	on board anomaly: payload off
60	843	2001-02-07T07:56	2001-02-07T08:46	on board anomaly: payload off
60	844	2001-02-07T08:46	2001-02-07T09:37	on board anomaly: payload off
60	845	2001-02-07T09:37	2001-02-07T10:27	on board anomaly: payload off
60	846	2001-02-07T10:27	2001-02-07T11:17	on board anomaly: payload off
60	847	2001-02-07T11:17	2001-02-07T12:08	on board anomaly: payload off
60	862	2001-02-07T23:52	2001-02-08T00:42	unexplained missing telemetry
60	863	2001-02-08T00:42	2001-02-08T01:32	unexplained missing telemetry
60	864	2001-02-08T01:32	2001-02-08T02:23	unexplained missing telemetry
60	865	2001-02-08T02:23	2001-02-08T03:13	unexplained missing telemetry
60	866	2001-02-08T03:13	2001-02-08T04:03	unexplained missing telemetry
60	867	2001-02-08T04:03	2001-02-08T04:54	unexplained missing telemetry
60	868	2001-02-08T04:54	2001-02-08T05:44	unexplained missing telemetry
60	892	2001-02-09T01:01	2001-02-09T01:51	unexplained missing telemetry

60	893	2001-02-09T01:51	2001-02-09T02:41	unexplained missing telemetry
60	894	2001-02-09T02:41	2001-02-09T03:32	unexplained missing telemetry
60	895	2001-02-09T03:32	2001-02-09T04:22	unexplained missing telemetry
60	896	2001-02-09T04:22	2001-02-09T05:12	unexplained missing telemetry
60	920	2001-02-10T00:29	2001-02-10T01:19	unexplained missing telemetry
60	921	2001-02-10T01:19	2001-02-10T02:10	unexplained missing telemetry
60	922	2001-02-10T02:10	2001-02-10T03:00	unexplained missing telemetry
60	948	2001-02-10T23:57	2001-02-11T00:48	unexplained missing telemetry
60	949	2001-02-11T00:48	2001-02-11T01:38	unexplained missing telemetry
60	950	2001-02-11T01:38	2001-02-11T02:28	unexplained missing telemetry
60	951	2001-02-11T02:28	2001-02-11T03:19	unexplained missing telemetry
60	952	2001-02-11T03:19	2001-02-11T04:09	unexplained missing telemetry
60	953	2001-02-11T04:09	2001-02-11T04:59	unexplained missing telemetry
60	954	2001-02-11T04:59	2001-02-11T05:50	unexplained missing telemetry
61	4	2001-02-13T00:35	2001-02-13T01:25	unexplained missing telemetry
61	5	2001-02-13T01:25	2001-02-13T02:15	unexplained missing telemetry
61	6	2001-02-13T02:15	2001-02-13T03:06	unexplained missing telemetry
61	7	2001-02-13T03:06	2001-02-13T03:56	unexplained missing telemetry
61	8	2001-02-13T03:56	2001-02-13T04:46	unexplained missing telemetry
61	32	2001-02-14T00:03	2001-02-14T00:54	unexplained missing telemetry
61	33	2001-02-14T00:54	2001-02-14T01:44	unexplained missing telemetry
61	34	2001-02-14T01:44	2001-02-14T02:34	unexplained missing telemetry
61	35	2001-02-14T02:34	2001-02-14T03:24	unexplained missing telemetry
61	36	2001-02-14T03:24	2001-02-14T04:15	unexplained missing telemetry
61	118	2001-02-17T00:09	2001-02-17T00:59	unexplained missing telemetry
61	119	2001-02-17T00:59	2001-02-17T01:50	unexplained missing telemetry
61	120	2001-02-17T01:50	2001-02-17T02:40	unexplained missing telemetry
61	121	2001-02-17T02:40	2001-02-17T03:30	unexplained missing telemetry
61	122	2001-02-17T03:30	2001-02-17T04:20	unexplained missing telemetry
61	146	2001-02-17T23:37	2001-02-18T00:28	unexplained missing telemetry
61	147	2001-02-18T00:28	2001-02-18T01:18	unexplained missing telemetry
61	148	2001-02-18T01:18	2001-02-18T02:08	unexplained missing telemetry
61	149	2001-02-18T02:08	2001-02-18T02:59	unexplained missing telemetry
61	150	2001-02-18T02:59	2001-02-18T03:49	unexplained missing telemetry
61	151	2001-02-18T03:49	2001-02-18T04:39	unexplained missing telemetry
61	152	2001-02-18T04:39	2001-02-18T05:29	unexplained missing telemetry
61	176	2001-02-19T00:46	2001-02-19T01:37	unexplained missing telemetry
61	177	2001-02-19T01:37	2001-02-19T02:27	unexplained missing telemetry
61	178	2001-02-19T02:27	2001-02-19T03:17	unexplained missing telemetry
61	179	2001-02-19T03:17	2001-02-19T04:08	unexplained missing telemetry
61	180	2001-02-19T04:08	2001-02-19T04:58	unexplained missing telemetry
61	204	2001-02-20T00:15	2001-02-20T01:05	unexplained missing telemetry
61	205	2001-02-20T01:05	2001-02-20T01:55	unexplained missing telemetry
61	206	2001-02-20T01:55	2001-02-20T02:46	unexplained missing telemetry
61	207	2001-02-20T02:46	2001-02-20T03:36	unexplained missing telemetry
61	208	2001-02-20T03:36	2001-02-20T04:26	unexplained missing telemetry
61	232	2001-02-20T23:43	2001-02-21T00:33	unexplained missing telemetry
61	233	2001-02-21T00:33	2001-02-21T01:24	unexplained missing telemetry

61	234	2001-02-21T01:24	2001-02-21T02:14	unexplained missing telemetry
61	235	2001-02-21T02:14	2001-02-21T03:04	unexplained missing telemetry
61	236	2001-02-21T03:04	2001-02-21T03:55	unexplained missing telemetry
61	262	2001-02-22T00:52	2001-02-22T01:42	unexplained missing telemetry
61	263	2001-02-22T01:42	2001-02-22T02:33	unexplained missing telemetry
61	264	2001-02-22T02:33	2001-02-22T03:23	unexplained missing telemetry
61	265	2001-02-22T03:23	2001-02-22T04:13	unexplained missing telemetry
61	266	2001-02-22T04:13	2001-02-22T05:04	unexplained missing telemetry
61	292	2001-02-23T02:01	2001-02-23T02:51	unexplained missing telemetry
61	293	2001-02-23T02:51	2001-02-23T03:42	unexplained missing telemetry
61	294	2001-02-23T03:42	2001-02-23T04:32	unexplained missing telemetry
61	295	2001-02-23T04:32	2001-02-23T05:22	unexplained missing telemetry
61	376	2001-02-26T00:26	2001-02-26T01:17	unexplained missing telemetry
61	380	2001-02-26T03:47	2001-02-26T04:38	unexplained missing telemetry
61	404	2001-02-26T23:55	2001-02-27T00:45	unexplained missing telemetry
61	405	2001-02-27T00:45	2001-02-27T01:35	unexplained missing telemetry
61	406	2001-02-27T01:35	2001-02-27T02:26	unexplained missing telemetry
61	407	2001-02-27T02:26	2001-02-27T03:16	unexplained missing telemetry
61	408	2001-02-27T03:16	2001-02-27T04:06	unexplained missing telemetry
61	409	2001-02-27T04:06	2001-02-27T04:56	unexplained missing telemetry
61	410	2001-02-27T04:56	2001-02-27T05:47	unexplained missing telemetry
61	434	2001-02-28T01:04	2001-02-28T01:54	unexplained missing telemetry
61	435	2001-02-28T01:54	2001-02-28T02:44	unexplained missing telemetry
61	436	2001-02-28T02:44	2001-02-28T03:34	unexplained missing telemetry
61	437	2001-02-28T03:34	2001-02-28T04:25	unexplained missing telemetry
61	438	2001-02-28T04:25	2001-02-28T05:15	unexplained missing telemetry
61	462	2001-03-01T00:32	2001-03-01T01:22	unexplained missing telemetry
61	463	2001-03-01T01:22	2001-03-01T02:13	unexplained missing telemetry
61	464	2001-03-01T02:13	2001-03-01T03:03	unexplained missing telemetry
61	465	2001-03-01T03:03	2001-03-01T03:53	unexplained missing telemetry
61	466	2001-03-01T03:53	2001-03-01T04:43	unexplained missing telemetry
61	548	2001-03-04T00:38	2001-03-04T01:28	unexplained missing telemetry
61	549	2001-03-04T01:28	2001-03-04T02:18	unexplained missing telemetry
61	550	2001-03-04T02:18	2001-03-04T03:09	unexplained missing telemetry
61	551	2001-03-04T03:09	2001-03-04T03:59	unexplained missing telemetry
61	552	2001-03-04T03:59	2001-03-04T04:49	unexplained missing telemetry
61	604	2001-03-05T23:34	2001-03-06T00:25	unexplained missing telemetry
61	605	2001-03-06T00:25	2001-03-06T01:15	unexplained missing telemetry
61	606	2001-03-06T01:15	2001-03-06T02:05	unexplained missing telemetry
61	607	2001-03-06T02:05	2001-03-06T02:56	unexplained missing telemetry
61	608	2001-03-06T02:56	2001-03-06T03:46	unexplained missing telemetry
61	609	2001-03-06T03:46	2001-03-06T04:36	unexplained missing telemetry
61	610	2001-03-06T04:36	2001-03-06T05:27	unexplained missing telemetry
61	690	2001-03-08T23:40	2001-03-09T00:31	unexplained missing telemetry
61	691	2001-03-09T00:31	2001-03-09T01:21	unexplained missing telemetry
61	692	2001-03-09T01:21	2001-03-09T02:11	unexplained missing telemetry
61	693	2001-03-09T02:11	2001-03-09T03:01	unexplained missing telemetry
61	694	2001-03-09T03:01	2001-03-09T03:52	unexplained missing telemetry

61	695	2001-03-09T03:52	2001-03-09T04:42	unexplained missing telemetry
61	696	2001-03-09T04:42	2001-03-09T05:32	unexplained missing telemetry
61	752	2001-03-11T03:39	2001-03-11T04:29	unexplained missing telemetry
61	776	2001-03-11T23:46	2001-03-12T00:36	unexplained missing telemetry
61	777	2001-03-12T00:36	2001-03-12T01:27	unexplained missing telemetry
61	778	2001-03-12T01:27	2001-03-12T02:17	unexplained missing telemetry
61	779	2001-03-12T02:17	2001-03-12T03:07	unexplained missing telemetry
61	780	2001-03-12T03:07	2001-03-12T03:57	unexplained missing telemetry
61	806	2001-03-13T00:55	2001-03-13T01:45	unexplained missing telemetry
61	807	2001-03-13T01:45	2001-03-13T02:36	unexplained missing telemetry
61	808	2001-03-13T02:36	2001-03-13T03:26	unexplained missing telemetry
61	809	2001-03-13T03:26	2001-03-13T04:16	unexplained missing telemetry
61	810	2001-03-13T04:16	2001-03-13T05:06	unexplained missing telemetry
61	834	2001-03-14T00:23	2001-03-14T01:14	unexplained missing telemetry
61	835	2001-03-14T01:14	2001-03-14T02:04	unexplained missing telemetry
61	836	2001-03-14T02:04	2001-03-14T02:54	unexplained missing telemetry
61	837	2001-03-14T02:54	2001-03-14T03:45	unexplained missing telemetry
61	838	2001-03-14T03:45	2001-03-14T04:35	unexplained missing telemetry
61	892	2001-03-16T01:01	2001-03-16T01:51	unexplained missing telemetry
61	893	2001-03-16T01:51	2001-03-16T02:41	unexplained missing telemetry
61	894	2001-03-16T02:41	2001-03-16T03:32	unexplained missing telemetry
61	895	2001-03-16T03:32	2001-03-16T04:22	unexplained missing telemetry
61	896	2001-03-16T04:22	2001-03-16T05:12	unexplained missing telemetry
61	920	2001-03-17T00:29	2001-03-17T01:19	unexplained missing telemetry
61	921	2001-03-17T01:19	2001-03-17T02:10	unexplained missing telemetry
61	922	2001-03-17T02:10	2001-03-17T03:00	unexplained missing telemetry
61	923	2001-03-17T03:00	2001-03-17T03:50	unexplained missing telemetry
61	924	2001-03-17T03:50	2001-03-17T04:41	unexplained missing telemetry
62	4	2001-03-20T00:35	2001-03-20T01:25	unexplained missing telemetry
62	5	2001-03-20T01:25	2001-03-20T02:15	unexplained missing telemetry
62	6	2001-03-20T02:15	2001-03-20T03:06	unexplained missing telemetry
62	7	2001-03-20T03:06	2001-03-20T03:56	unexplained missing telemetry
62	8	2001-03-20T03:56	2001-03-20T04:46	unexplained missing telemetry
62	146	2001-03-24T23:37	2001-03-25T00:28	unexplained missing telemetry
62	232	2001-03-27T23:43	2001-03-28T00:33	unexplained missing telemetry
62	233	2001-03-28T00:33	2001-03-28T01:24	unexplained missing telemetry
62	234	2001-03-28T01:24	2001-03-28T02:14	unexplained missing telemetry
62	235	2001-03-28T02:14	2001-03-28T03:04	unexplained missing telemetry
62	236	2001-03-28T03:04	2001-03-28T03:55	unexplained missing telemetry
62	237	2001-03-28T03:55	2001-03-28T04:45	unexplained missing telemetry
62	238	2001-03-28T04:45	2001-03-28T05:35	unexplained missing telemetry
62	404	2001-04-02T23:55	2001-04-03T00:45	unexplained missing telemetry
62	405	2001-04-03T00:45	2001-04-03T01:35	unexplained missing telemetry
62	406	2001-04-03T01:35	2001-04-03T02:26	unexplained missing telemetry
62	407	2001-04-03T02:26	2001-04-03T03:16	unexplained missing telemetry
62	408	2001-04-03T03:16	2001-04-03T04:06	unexplained missing telemetry
62	409	2001-04-03T04:06	2001-04-03T04:56	unexplained missing telemetry
62	410	2001-04-03T04:56	2001-04-03T05:47	unexplained missing telemetry

62	604	2001-04-09T23:34	2001-04-10T00:25	unexplained missing telemetry
62	605	2001-04-10T00:25	2001-04-10T01:15	unexplained missing telemetry
62	606	2001-04-10T01:15	2001-04-10T02:05	unexplained missing telemetry
62	607	2001-04-10T02:05	2001-04-10T02:56	unexplained missing telemetry
62	608	2001-04-10T02:56	2001-04-10T03:46	unexplained missing telemetry
62	609	2001-04-10T03:46	2001-04-10T04:36	unexplained missing telemetry
62	610	2001-04-10T04:36	2001-04-10T05:27	unexplained missing telemetry
62	634	2001-04-11T00:43	2001-04-11T01:34	unexplained missing telemetry
62	635	2001-04-11T01:34	2001-04-11T02:24	unexplained missing telemetry
62	636	2001-04-11T02:24	2001-04-11T03:14	unexplained missing telemetry
62	637	2001-04-11T03:14	2001-04-11T04:05	unexplained missing telemetry
62	638	2001-04-11T04:05	2001-04-11T04:55	unexplained missing telemetry
62	662	2001-04-12T00:12	2001-04-12T01:02	unexplained missing telemetry
62	663	2001-04-12T01:02	2001-04-12T01:52	unexplained missing telemetry
62	664	2001-04-12T01:52	2001-04-12T02:43	unexplained missing telemetry
62	665	2001-04-12T02:43	2001-04-12T03:33	unexplained missing telemetry
62	666	2001-04-12T03:33	2001-04-12T04:23	unexplained missing telemetry
63	176	2001-04-30T00:46	2001-04-30T01:37	unexplained missing telemetry
63	177	2001-04-30T01:37	2001-04-30T02:27	unexplained missing telemetry
63	178	2001-04-30T02:27	2001-04-30T03:17	unexplained missing telemetry
63	179	2001-04-30T03:17	2001-04-30T04:08	unexplained missing telemetry
63	180	2001-04-30T04:08	2001-04-30T04:58	unexplained missing telemetry
63	798	2001-05-21T18:13	2001-05-21T19:03	IT1 Memory protection error, platform in FAM2
63	799	2001-05-21T19:03	2001-05-21T19:53	IT1 Memory protection error, platform in FAM2
63	800	2001-05-21T19:53	2001-05-21T20:43	IT1 Memory protection error, platform in FAM2
63	801	2001-05-21T20:43	2001-05-21T21:34	IT1 Memory protection error, platform in FAM2
63	802	2001-05-21T21:34	2001-05-21T22:24	IT1 Memory protection error, platform in FAM2
63	803	2001-05-21T22:24	2001-05-21T23:14	IT1 Memory protection error, platform in FAM2
63	804	2001-05-21T23:14	2001-05-22T00:05	IT1 Memory protection error, platform in FAM2
63	805	2001-05-22T00:05	2001-05-22T00:55	IT1 Memory protection error, platform in FAM2
63	806	2001-05-22T00:55	2001-05-22T01:45	IT1 Memory protection error, platform in FAM2
63	807	2001-05-22T01:45	2001-05-22T02:36	IT1 Memory protection error, platform in FAM2
63	808	2001-05-22T02:36	2001-05-22T03:26	IT1 Memory protection error, platform in FAM2
63	809	2001-05-22T03:26	2001-05-22T04:16	IT1 Memory protection error, platform in FAM2
63	810	2001-05-22T04:16	2001-05-22T05:06	IT1 Memory protection error, platform in FAM2
63	811	2001-05-22T05:06	2001-05-22T05:57	IT1 Memory protection error, platform in FAM2
63	812	2001-05-22T05:57	2001-05-22T06:47	IT1 Memory protection error, platform in FAM2
63	813	2001-05-22T06:47	2001-05-22T07:37	IT1 Memory protection error, platform in FAM2
63	814	2001-05-22T07:37	2001-05-22T08:28	IT1 Memory protection error, platform in FAM2
63	815	2001-05-22T08:28	2001-05-22T09:18	IT1 Memory protection error, platform in FAM2
63	816	2001-05-22T09:18	2001-05-22T10:08	IT1 Memory protection error, platform in FAM2
63	817	2001-05-22T10:08	2001-05-22T10:59	IT1 Memory protection error, platform in FAM2
63	818	2001-05-22T10:59	2001-05-22T11:49	IT1 Memory protection error, platform in FAM2
63	819	2001-05-22T11:49	2001-05-22T12:39	IT1 Memory protection error, platform in FAM2
63	820	2001-05-22T12:39	2001-05-22T13:29	IT1 Memory protection error, platform in FAM2
63	821	2001-05-22T13:29	2001-05-22T14:20	IT1 Memory protection error, platform in FAM2
63	822	2001-05-22T14:20	2001-05-22T15:10	IT1 Memory protection error, platform in FAM2
63	823	2001-05-22T15:10	2001-05-22T16:00	IT1 Memory protection error, platform in FAM2

63	824	2001-05-22T16:00	2001-05-22T16:51	IT1 Memory protection error, platform in FAM2
63	825	2001-05-22T16:51	2001-05-22T17:41	IT1 Memory protection error, platform in FAM2
63	826	2001-05-22T17:41	2001-05-22T18:31	IT1 Memory protection error, platform in FAM2
63	827	2001-05-22T18:31	2001-05-22T19:22	IT1 Memory protection error, platform in FAM2
63	828	2001-05-22T19:22	2001-05-22T20:12	IT1 Memory protection error, platform in FAM2
63	829	2001-05-22T20:12	2001-05-22T21:02	IT1 Memory protection error, platform in FAM2
63	830	2001-05-22T21:02	2001-05-22T21:52	IT1 Memory protection error, platform in FAM2
63	831	2001-05-22T21:52	2001-05-22T22:43	IT1 Memory protection error, platform in FAM2
63	832	2001-05-22T22:43	2001-05-22T23:33	IT1 Memory protection error, platform in FAM2
63	833	2001-05-22T23:33	2001-05-23T00:23	IT1 Memory protection error, platform in FAM2
63	834	2001-05-23T00:23	2001-05-23T01:14	IT1 Memory protection error, platform in FAM2
63	835	2001-05-23T01:14	2001-05-23T02:04	IT1 Memory protection error, platform in FAM2
63	836	2001-05-23T02:04	2001-05-23T02:54	IT1 Memory protection error, platform in FAM2
63	837	2001-05-23T02:54	2001-05-23T03:45	IT1 Memory protection error, platform in FAM2
63	838	2001-05-23T03:45	2001-05-23T04:35	IT1 Memory protection error, platform in FAM2
63	839	2001-05-23T04:35	2001-05-23T05:25	IT1 Memory protection error, platform in FAM2
63	840	2001-05-23T05:25	2001-05-23T06:15	IT1 Memory protection error, platform in FAM2
63	841	2001-05-23T06:15	2001-05-23T07:06	IT1 Memory protection error, platform in FAM2
63	842	2001-05-23T07:06	2001-05-23T07:56	IT1 Memory protection error, platform in FAM2
63	843	2001-05-23T07:56	2001-05-23T08:46	IT1 Memory protection error, platform in FAM2
63	844	2001-05-23T08:46	2001-05-23T09:37	IT1 Memory protection error, platform in FAM2
63	845	2001-05-23T09:37	2001-05-23T10:27	IT1 Memory protection error, platform in FAM2
63	846	2001-05-23T10:27	2001-05-23T11:17	IT1 Memory protection error, platform in FAM2
63	847	2001-05-23T11:17	2001-05-23T12:08	IT1 Memory protection error, platform in FAM2
63	848	2001-05-23T12:08	2001-05-23T12:58	IT1 Memory protection error, platform in FAM2
63	849	2001-05-23T12:58	2001-05-23T13:48	IT1 Memory protection error, platform in FAM2
63	850	2001-05-23T13:48	2001-05-23T14:38	IT1 Memory protection error, platform in FAM2
63	851	2001-05-23T14:38	2001-05-23T15:29	IT1 Memory protection error, platform in FAM2
63	852	2001-05-23T15:29	2001-05-23T16:19	IT1 Memory protection error, platform in FAM2
63	853	2001-05-23T16:19	2001-05-23T17:09	IT1 Memory protection error, platform in FAM2
63	854	2001-05-23T17:09	2001-05-23T18:00	IT1 Memory protection error, platform in FAM2
63	855	2001-05-23T18:00	2001-05-23T18:50	IT1 Memory protection error, platform in FAM2
63	856	2001-05-23T18:50	2001-05-23T19:40	IT1 Memory protection error, platform in FAM2
63	857	2001-05-23T19:40	2001-05-23T20:31	IT1 Memory protection error, platform in FAM2
63	858	2001-05-23T20:31	2001-05-23T21:21	IT1 Memory protection error, platform in FAM2
63	859	2001-05-23T21:21	2001-05-23T22:11	IT1 Memory protection error, platform in FAM2
63	860	2001-05-23T22:11	2001-05-23T23:01	IT1 Memory protection error, platform in FAM2
63	861	2001-05-23T23:01	2001-05-23T23:52	IT1 Memory protection error, platform in FAM2
63	862	2001-05-23T23:52	2001-05-24T00:42	IT1 Memory protection error, platform in FAM2
63	863	2001-05-24T00:42	2001-05-24T01:32	IT1 Memory protection error, platform in FAM2
63	864	2001-05-24T01:32	2001-05-24T02:23	IT1 Memory protection error, platform in FAM2
63	865	2001-05-24T02:23	2001-05-24T03:13	IT1 Memory protection error, platform in FAM2
63	866	2001-05-24T03:13	2001-05-24T04:03	IT1 Memory protection error, platform in FAM2
63	867	2001-05-24T04:03	2001-05-24T04:54	IT1 Memory protection error, platform in FAM2
63	868	2001-05-24T04:54	2001-05-24T05:44	IT1 Memory protection error, platform in FAM2
63	869	2001-05-24T05:44	2001-05-24T06:34	IT1 Memory protection error, platform in FAM2
63	870	2001-05-24T06:34	2001-05-24T07:24	IT1 Memory protection error, platform in FAM2
63	871	2001-05-24T07:24	2001-05-24T08:15	IT1 Memory protection error, platform in FAM2

63	872	2001-05-24T08:15	2001-05-24T09:05	IT1 Memory protection error, platform in FAM2
63	873	2001-05-24T09:05	2001-05-24T09:55	IT1 Memory protection error, platform in FAM2
64	90	2001-06-01T00:41	2001-06-01T01:31	unexplained missing telemetry
64	91	2001-06-01T01:31	2001-06-01T02:21	unexplained missing telemetry
64	92	2001-06-01T02:21	2001-06-01T03:11	unexplained missing telemetry
65	720	2001-07-28T00:49	2001-07-28T01:40	unexplained missing telemetry
65	748	2001-07-29T00:18	2001-07-29T01:08	unexplained missing telemetry
65	749	2001-07-29T01:08	2001-07-29T01:58	unexplained missing telemetry
65	750	2001-07-29T01:58	2001-07-29T02:48	unexplained missing telemetry
65	751	2001-07-29T02:48	2001-07-29T03:39	unexplained missing telemetry
65	752	2001-07-29T03:39	2001-07-29T04:29	unexplained missing telemetry
66	787	2001-09-03T08:59	2001-09-03T09:50	payload in stdby
66	788	2001-09-03T09:50	2001-09-03T10:40	payload in stdby
66	789	2001-09-03T10:40	2001-09-03T11:30	payload in stdby
67	924	2001-10-13T03:50	2001-10-13T04:41	unexplained missing telemetry
68	466	2001-11-01T03:53	2001-11-01T04:43	unexplained missing telemetry
68	941	2001-11-17T18:05	2001-11-17T18:56	IDHT standby due to leonid shower
68	942	2001-11-17T18:56	2001-11-17T19:46	IDHT standby due to leonid shower
68	943	2001-11-17T19:46	2001-11-17T20:36	IDHT standby due to leonid shower
68	944	2001-11-17T20:36	2001-11-17T21:27	IDHT standby due to leonid shower
68	945	2001-11-17T21:27	2001-11-17T22:17	IDHT standby due to leonid shower
68	946	2001-11-17T22:17	2001-11-17T23:07	IDHT standby due to leonid shower
68	947	2001-11-17T23:07	2001-11-17T23:57	IDHT standby due to leonid shower
68	948	2001-11-17T23:57	2001-11-18T00:48	IDHT standby due to leonid shower
68	949	2001-11-18T00:48	2001-11-18T01:38	IDHT standby due to leonid shower
68	950	2001-11-18T01:38	2001-11-18T02:28	IDHT standby due to leonid shower
68	951	2001-11-18T02:28	2001-11-18T03:19	IDHT standby due to leonid shower
68	952	2001-11-18T03:19	2001-11-18T04:09	IDHT standby due to leonid shower
68	953	2001-11-18T04:09	2001-11-18T04:59	IDHT standby due to leonid shower
68	954	2001-11-18T04:59	2001-11-18T05:50	IDHT standby due to leonid shower
68	955	2001-11-18T05:50	2001-11-18T06:40	IDHT standby due to leonid shower
68	956	2001-11-18T06:40	2001-11-18T07:30	IDHT standby due to leonid shower
68	957	2001-11-18T07:30	2001-11-18T08:20	IDHT standby due to leonid shower
68	958	2001-11-18T08:20	2001-11-18T09:11	IDHT standby due to leonid shower
68	959	2001-11-18T09:11	2001-11-18T10:01	IDHT standby due to leonid shower
68	960	2001-11-18T10:01	2001-11-18T10:51	IDHT standby due to leonid shower
68	961	2001-11-18T10:51	2001-11-18T11:42	IDHT standby due to leonid shower
68	962	2001-11-18T11:42	2001-11-18T12:32	IDHT standby due to leonid shower
68	963	2001-11-18T12:32	2001-11-18T13:22	IDHT standby due to leonid shower
68	964	2001-11-18T13:22	2001-11-18T14:13	IDHT standby due to leonid shower
68	965	2001-11-18T14:13	2001-11-18T15:03	IDHT standby due to leonid shower
68	966	2001-11-18T15:03	2001-11-18T15:53	IDHT standby due to leonid shower
68	967	2001-11-18T15:53	2001-11-18T16:43	IDHT standby due to leonid shower
68	968	2001-11-18T16:43	2001-11-18T17:34	IDHT standby due to leonid shower
68	969	2001-11-18T17:34	2001-11-18T18:24	IDHT standby due to leonid shower
68	970	2001-11-18T18:24	2001-11-18T19:14	IDHT standby due to leonid shower
68	971	2001-11-18T19:14	2001-11-18T20:05	IDHT standby due to leonid shower
68	972	2001-11-18T20:05	2001-11-18T20:55	IDHT standby due to leonid shower

68	973	2001-11-18T20:55	2001-11-18T21:45	IDHT standby due to leonid shower
68	974	2001-11-18T21:45	2001-11-18T22:36	IDHT standby due to leonid shower
68	975	2001-11-18T22:36	2001-11-18T23:26	IDHT standby due to leonid shower
68	976	2001-11-18T23:26	2001-11-19T00:16	IDHT standby due to leonid shower
68	977	2001-11-19T00:16	2001-11-19T01:06	IDHT standby due to leonid shower
68	978	2001-11-19T01:06	2001-11-19T01:57	IDHT standby due to leonid shower
68	979	2001-11-19T01:57	2001-11-19T02:47	IDHT standby due to leonid shower
68	980	2001-11-19T02:47	2001-11-19T03:37	IDHT standby due to leonid shower
68	981	2001-11-19T03:37	2001-11-19T04:28	IDHT standby due to leonid shower
68	982	2001-11-19T04:28	2001-11-19T05:18	IDHT standby due to leonid shower
68	983	2001-11-19T05:18	2001-11-19T06:08	IDHT standby due to leonid shower
68	984	2001-11-19T06:08	2001-11-19T06:59	IDHT standby due to leonid shower
68	985	2001-11-19T06:59	2001-11-19T07:49	IDHT standby due to leonid shower
68	986	2001-11-19T07:49	2001-11-19T08:39	IDHT standby due to leonid shower
68	987	2001-11-19T08:39	2001-11-19T09:29	IDHT standby due to leonid shower
68	988	2001-11-19T09:29	2001-11-19T10:20	IDHT standby due to leonid shower
68	989	2001-11-19T10:20	2001-11-19T11:10	IDHT standby due to leonid shower
68	990	2001-11-19T11:10	2001-11-19T12:00	IDHT standby due to leonid shower
68	991	2001-11-19T12:00	2001-11-19T12:51	IDHT standby due to leonid shower
69	215	2001-11-27T09:28	2001-11-27T10:18	ATSR in standby
69	216	2001-11-27T10:18	2001-11-27T11:09	ATSR in standby
69	217	2001-11-27T11:09	2001-11-27T11:59	ATSR in standby
69	218	2001-11-27T11:59	2001-11-27T12:49	ATSR in standby
69	219	2001-11-27T12:49	2001-11-27T13:40	ATSR in standby
69	220	2001-11-27T13:40	2001-11-27T14:30	ATSR in standby
69	221	2001-11-27T14:30	2001-11-27T15:20	ATSR in standby
69	222	2001-11-27T15:20	2001-11-27T16:10	ATSR in standby
69	223	2001-11-27T16:10	2001-11-27T17:01	ATSR in standby
69	224	2001-11-27T17:01	2001-11-27T17:51	ATSR in standby
69	225	2001-11-27T17:51	2001-11-27T18:41	ATSR in standby
69	226	2001-11-27T18:41	2001-11-27T19:32	ATSR in standby
69	227	2001-11-27T19:32	2001-11-27T20:22	ATSR in standby
69	228	2001-11-27T20:22	2001-11-27T21:12	ATSR in standby
69	229	2001-11-27T21:12	2001-11-27T22:03	ATSR in standby
69	230	2001-11-27T22:03	2001-11-27T22:53	ATSR in standby
69	231	2001-11-27T22:53	2001-11-27T23:43	ATSR in standby
69	232	2001-11-27T23:43	2001-11-28T00:33	ATSR in standby
69	233	2001-11-28T00:33	2001-11-28T01:24	ATSR in standby
69	234	2001-11-28T01:24	2001-11-28T02:14	ATSR in standby
69	235	2001-11-28T02:14	2001-11-28T03:04	ATSR in standby
69	236	2001-11-28T03:04	2001-11-28T03:55	ATSR in standby
69	237	2001-11-28T03:55	2001-11-28T04:45	ATSR in standby
69	238	2001-11-28T04:45	2001-11-28T05:35	ATSR in standby
69	239	2001-11-28T05:35	2001-11-28T06:26	ATSR in standby
69	240	2001-11-28T06:26	2001-11-28T07:16	ATSR in standby
69	241	2001-11-28T07:16	2001-11-28T08:06	ATSR in standby
69	242	2001-11-28T08:06	2001-11-28T08:56	ATSR in standby
69	243	2001-11-28T08:56	2001-11-28T09:47	ATSR in standby

69	244	2001-11-28T09:47	2001-11-28T10:37	ATSR in standby
69	245	2001-11-28T10:37	2001-11-28T11:27	ATSR in standby
69	246	2001-11-28T11:27	2001-11-28T12:18	ATSR in standby
69	247	2001-11-28T12:18	2001-11-28T13:08	ATSR in standby
70	518	2002-01-11T23:27	2002-01-12T00:17	unexplained missing telemetry
71	161	2002-02-03T12:10	2002-02-03T13:00	unexplained missing telemetry
71	754	2002-02-24T05:18	2002-02-24T06:08	unexplained missing telemetry
71	755	2002-02-24T06:08	2002-02-24T06:58	unexplained missing telemetry
72	92	2002-03-08T02:19	2002-03-08T03:10	unexplained missing telemetry
72	93	2002-03-08T03:10	2002-03-08T04:00	payload off due to onboard anomaly ER2-UNA-2002/006
72	94	2002-03-08T04:00	2002-03-08T04:50	payload off due to onboard anomaly ER2-UNA-2002/006
72	95	2002-03-08T04:50	2002-03-08T05:41	payload off due to onboard anomaly ER2-UNA-2002/006
72	96	2002-03-08T05:41	2002-03-08T06:31	payload off due to onboard anomaly ER2-UNA-2002/006
72	97	2002-03-08T06:31	2002-03-08T07:21	payload off due to onboard anomaly ER2-UNA-2002/006
72	98	2002-03-08T07:21	2002-03-08T08:11	payload off due to onboard anomaly ER2-UNA-2002/006
72	99	2002-03-08T08:11	2002-03-08T09:02	payload off due to onboard anomaly ER2-UNA-2002/006
72	100	2002-03-08T09:02	2002-03-08T09:52	payload off due to onboard anomaly ER2-UNA-2002/006
72	101	2002-03-08T09:52	2002-03-08T10:42	payload off due to onboard anomaly ER2-UNA-2002/006
72	102	2002-03-08T10:42	2002-03-08T11:33	payload off due to onboard anomaly ER2-UNA-2002/006
72	103	2002-03-08T11:33	2002-03-08T12:23	payload off due to onboard anomaly ER2-UNA-2002/006
72	104	2002-03-08T12:23	2002-03-08T13:13	payload off due to onboard anomaly ER2-UNA-2002/006
72	105	2002-03-08T13:13	2002-03-08T14:04	payload off due to onboard anomaly ER2-UNA-2002/006
72	106	2002-03-08T14:04	2002-03-08T14:54	payload off due to onboard anomaly ER2-UNA-2002/006
72	107	2002-03-08T14:54	2002-03-08T15:44	payload off due to onboard anomaly ER2-UNA-2002/006
72	108	2002-03-08T15:44	2002-03-08T16:34	payload off due to onboard anomaly ER2-UNA-2002/006
72	109	2002-03-08T16:34	2002-03-08T17:25	payload off due to onboard anomaly ER2-UNA-2002/006
72	110	2002-03-08T17:25	2002-03-08T18:15	payload off due to onboard anomaly ER2-UNA-2002/006
72	111	2002-03-08T18:15	2002-03-08T19:05	payload off due to onboard anomaly ER2-UNA-2002/006
72	112	2002-03-08T19:05	2002-03-08T19:56	payload off due to onboard anomaly ER2-UNA-2002/006
72	113	2002-03-08T19:56	2002-03-08T20:46	payload off due to onboard anomaly ER2-UNA-2002/006
72	114	2002-03-08T20:46	2002-03-08T21:36	payload off due to onboard anomaly ER2-UNA-2002/006
72	115	2002-03-08T21:36	2002-03-08T22:27	payload off due to onboard anomaly ER2-UNA-2002/006
72	116	2002-03-08T22:27	2002-03-08T23:17	payload off due to onboard anomaly ER2-UNA-2002/006
72	117	2002-03-08T23:17	2002-03-09T00:07	payload off due to onboard anomaly ER2-UNA-2002/006
72	118	2002-03-09T00:07	2002-03-09T00:57	payload off due to onboard anomaly ER2-UNA-2002/006
72	119	2002-03-09T00:57	2002-03-09T01:48	payload off due to onboard anomaly ER2-UNA-2002/006
72	120	2002-03-09T01:48	2002-03-09T02:38	payload off due to onboard anomaly ER2-UNA-2002/006
72	121	2002-03-09T02:38	2002-03-09T03:28	payload off due to onboard anomaly ER2-UNA-2002/006
72	122	2002-03-09T03:28	2002-03-09T04:19	payload off due to onboard anomaly ER2-UNA-2002/006
72	123	2002-03-09T04:19	2002-03-09T05:09	payload off due to onboard anomaly ER2-UNA-2002/006
72	124	2002-03-09T05:09	2002-03-09T05:59	payload off due to onboard anomaly ER2-UNA-2002/006
72	125	2002-03-09T05:59	2002-03-09T06:50	payload off due to onboard anomaly ER2-UNA-2002/006
72	126	2002-03-09T06:50	2002-03-09T07:40	payload off due to onboard anomaly ER2-UNA-2002/006
72	127	2002-03-09T07:40	2002-03-09T08:30	payload off due to onboard anomaly ER2-UNA-2002/006
72	128	2002-03-09T08:30	2002-03-09T09:20	payload off due to onboard anomaly ER2-UNA-2002/006
72	129	2002-03-09T09:20	2002-03-09T10:11	payload off due to onboard anomaly ER2-UNA-2002/006
72	130	2002-03-09T10:11	2002-03-09T11:01	payload off due to onboard anomaly ER2-UNA-2002/006
72	131	2002-03-09T11:01	2002-03-09T11:51	payload off due to onboard anomaly ER2-UNA-2002/006

72	132	2002-03-09T11:51	2002-03-09T12:42	payload off due to onboard anomaly ER2-UNA-2002/006
72	133	2002-03-09T12:42	2002-03-09T13:32	payload off due to onboard anomaly ER2-UNA-2002/006
72	134	2002-03-09T13:32	2002-03-09T14:22	payload off due to onboard anomaly ER2-UNA-2002/006
72	135	2002-03-09T14:22	2002-03-09T15:13	payload off due to onboard anomaly ER2-UNA-2002/006
72	136	2002-03-09T15:13	2002-03-09T16:03	payload off due to onboard anomaly ER2-UNA-2002/006
72	137	2002-03-09T16:03	2002-03-09T16:53	payload off due to onboard anomaly ER2-UNA-2002/006
72	138	2002-03-09T16:53	2002-03-09T17:43	payload off due to onboard anomaly ER2-UNA-2002/006
72	139	2002-03-09T17:43	2002-03-09T18:34	payload off due to onboard anomaly ER2-UNA-2002/006
72	140	2002-03-09T18:34	2002-03-09T19:24	payload off due to onboard anomaly ER2-UNA-2002/006
72	141	2002-03-09T19:24	2002-03-09T20:14	payload off due to onboard anomaly ER2-UNA-2002/006
72	142	2002-03-09T20:14	2002-03-09T21:05	payload off due to onboard anomaly ER2-UNA-2002/006
72	143	2002-03-09T21:05	2002-03-09T21:55	payload off due to onboard anomaly ER2-UNA-2002/006
72	144	2002-03-09T21:55	2002-03-09T22:45	payload off due to onboard anomaly ER2-UNA-2002/006
72	145	2002-03-09T22:45	2002-03-09T23:36	payload off due to onboard anomaly ER2-UNA-2002/006
72	146	2002-03-09T23:36	2002-03-10T00:26	payload off due to onboard anomaly ER2-UNA-2002/006
72	147	2002-03-10T00:26	2002-03-10T01:16	payload off due to onboard anomaly ER2-UNA-2002/006
72	148	2002-03-10T01:16	2002-03-10T02:06	payload off due to onboard anomaly ER2-UNA-2002/006
72	149	2002-03-10T02:06	2002-03-10T02:57	payload off due to onboard anomaly ER2-UNA-2002/006
72	150	2002-03-10T02:57	2002-03-10T03:47	payload off due to onboard anomaly ER2-UNA-2002/006
72	151	2002-03-10T03:47	2002-03-10T04:37	payload off due to onboard anomaly ER2-UNA-2002/006
72	152	2002-03-10T04:37	2002-03-10T05:28	payload off due to onboard anomaly ER2-UNA-2002/006
72	153	2002-03-10T05:28	2002-03-10T06:18	payload off due to onboard anomaly ER2-UNA-2002/006
72	154	2002-03-10T06:18	2002-03-10T07:08	payload off due to onboard anomaly ER2-UNA-2002/006
72	155	2002-03-10T07:08	2002-03-10T07:58	payload off due to onboard anomaly ER2-UNA-2002/006
72	156	2002-03-10T07:58	2002-03-10T08:49	payload off due to onboard anomaly ER2-UNA-2002/006
72	157	2002-03-10T08:49	2002-03-10T09:39	payload off due to onboard anomaly ER2-UNA-2002/006
72	158	2002-03-10T09:39	2002-03-10T10:29	payload off due to onboard anomaly ER2-UNA-2002/006
72	159	2002-03-10T10:29	2002-03-10T11:20	payload off due to onboard anomaly ER2-UNA-2002/006
72	160	2002-03-10T11:20	2002-03-10T12:10	payload off due to onboard anomaly ER2-UNA-2002/006
72	161	2002-03-10T12:10	2002-03-10T13:00	payload off due to onboard anomaly ER2-UNA-2002/006
72	162	2002-03-10T13:00	2002-03-10T13:51	payload off due to onboard anomaly ER2-UNA-2002/006
72	163	2002-03-10T13:51	2002-03-10T14:41	payload off due to onboard anomaly ER2-UNA-2002/006
72	164	2002-03-10T14:41	2002-03-10T15:31	payload off due to onboard anomaly ER2-UNA-2002/006
72	165	2002-03-10T15:31	2002-03-10T16:21	payload off due to onboard anomaly ER2-UNA-2002/006
72	166	2002-03-10T16:21	2002-03-10T17:12	payload off due to onboard anomaly ER2-UNA-2002/006
72	167	2002-03-10T17:12	2002-03-10T18:02	payload off due to onboard anomaly ER2-UNA-2002/006
72	168	2002-03-10T18:02	2002-03-10T18:52	payload off due to onboard anomaly ER2-UNA-2002/006
72	169	2002-03-10T18:52	2002-03-10T19:43	payload off due to onboard anomaly ER2-UNA-2002/006
72	170	2002-03-10T19:43	2002-03-10T20:33	payload off due to onboard anomaly ER2-UNA-2002/006
72	171	2002-03-10T20:33	2002-03-10T21:23	payload off due to onboard anomaly ER2-UNA-2002/006
72	172	2002-03-10T21:23	2002-03-10T22:14	payload off due to onboard anomaly ER2-UNA-2002/006
72	173	2002-03-10T22:14	2002-03-10T23:04	payload off due to onboard anomaly ER2-UNA-2002/006
72	174	2002-03-10T23:04	2002-03-10T23:54	payload off due to onboard anomaly ER2-UNA-2002/006
72	175	2002-03-10T23:54	2002-03-11T00:44	payload off due to onboard anomaly ER2-UNA-2002/006
72	176	2002-03-11T00:44	2002-03-11T01:35	payload off due to onboard anomaly ER2-UNA-2002/006
72	177	2002-03-11T01:35	2002-03-11T02:25	payload off due to onboard anomaly ER2-UNA-2002/006
72	178	2002-03-11T02:25	2002-03-11T03:15	payload off due to onboard anomaly ER2-UNA-2002/006
72	179	2002-03-11T03:15	2002-03-11T04:06	payload off due to onboard anomaly ER2-UNA-2002/006

72	180	2002-03-11T04:06	2002-03-11T04:56	payload off due to onboard anomaly ER2-UNA-2002/006
72	181	2002-03-11T04:56	2002-03-11T05:46	payload off due to onboard anomaly ER2-UNA-2002/006
72	182	2002-03-11T05:46	2002-03-11T06:37	payload off due to onboard anomaly ER2-UNA-2002/006
72	183	2002-03-11T06:37	2002-03-11T07:27	payload off due to onboard anomaly ER2-UNA-2002/006
72	184	2002-03-11T07:27	2002-03-11T08:17	payload off due to onboard anomaly ER2-UNA-2002/006
72	185	2002-03-11T08:17	2002-03-11T09:07	payload off due to onboard anomaly ER2-UNA-2002/006
72	186	2002-03-11T09:07	2002-03-11T09:58	payload off due to onboard anomaly ER2-UNA-2002/006
72	187	2002-03-11T09:58	2002-03-11T10:48	payload off due to onboard anomaly ER2-UNA-2002/006
72	188	2002-03-11T10:48	2002-03-11T11:38	payload off due to onboard anomaly ER2-UNA-2002/006
72	189	2002-03-11T11:38	2002-03-11T12:29	payload off due to onboard anomaly ER2-UNA-2002/006
72	190	2002-03-11T12:29	2002-03-11T13:19	payload off due to onboard anomaly ER2-UNA-2002/006
72	191	2002-03-11T13:19	2002-03-11T14:09	payload off due to onboard anomaly ER2-UNA-2002/006
72	192	2002-03-11T14:09	2002-03-11T15:00	payload off due to onboard anomaly ER2-UNA-2002/006
72	193	2002-03-11T15:00	2002-03-11T15:50	payload off due to onboard anomaly ER2-UNA-2002/006
72	194	2002-03-11T15:50	2002-03-11T16:40	payload off due to onboard anomaly ER2-UNA-2002/006
72	195	2002-03-11T16:40	2002-03-11T17:30	payload off due to onboard anomaly ER2-UNA-2002/006
72	196	2002-03-11T17:30	2002-03-11T18:21	payload off due to onboard anomaly ER2-UNA-2002/006
72	197	2002-03-11T18:21	2002-03-11T19:11	payload off due to onboard anomaly ER2-UNA-2002/006
72	198	2002-03-11T19:11	2002-03-11T20:01	payload off due to onboard anomaly ER2-UNA-2002/006
72	199	2002-03-11T20:01	2002-03-11T20:52	payload off due to onboard anomaly ER2-UNA-2002/006
72	200	2002-03-11T20:52	2002-03-11T21:42	payload off due to onboard anomaly ER2-UNA-2002/006
72	201	2002-03-11T21:42	2002-03-11T22:32	payload off due to onboard anomaly ER2-UNA-2002/006
72	202	2002-03-11T22:32	2002-03-11T23:23	payload off due to onboard anomaly ER2-UNA-2002/006
72	203	2002-03-11T23:23	2002-03-12T00:13	payload off due to onboard anomaly ER2-UNA-2002/006
72	204	2002-03-12T00:13	2002-03-12T01:03	payload off due to onboard anomaly ER2-UNA-2002/006
72	205	2002-03-12T01:03	2002-03-12T01:53	payload off due to onboard anomaly ER2-UNA-2002/006
72	206	2002-03-12T01:53	2002-03-12T02:44	payload off due to onboard anomaly ER2-UNA-2002/006
72	207	2002-03-12T02:44	2002-03-12T03:34	payload off due to onboard anomaly ER2-UNA-2002/006
72	208	2002-03-12T03:34	2002-03-12T04:24	payload off due to onboard anomaly ER2-UNA-2002/006
72	209	2002-03-12T04:24	2002-03-12T05:15	payload off due to onboard anomaly ER2-UNA-2002/006
72	210	2002-03-12T05:15	2002-03-12T06:05	payload off due to onboard anomaly ER2-UNA-2002/006
72	211	2002-03-12T06:05	2002-03-12T06:55	payload off due to onboard anomaly ER2-UNA-2002/006
72	212	2002-03-12T06:55	2002-03-12T07:46	payload off due to onboard anomaly ER2-UNA-2002/006
72	213	2002-03-12T07:46	2002-03-12T08:36	payload off due to onboard anomaly ER2-UNA-2002/006
72	214	2002-03-12T08:36	2002-03-12T09:26	payload off due to onboard anomaly ER2-UNA-2002/006
72	215	2002-03-12T09:26	2002-03-12T10:16	payload off due to onboard anomaly ER2-UNA-2002/006
72	216	2002-03-12T10:16	2002-03-12T11:07	payload off due to onboard anomaly ER2-UNA-2002/006
72	217	2002-03-12T11:07	2002-03-12T11:57	payload off due to onboard anomaly ER2-UNA-2002/006
72	218	2002-03-12T11:57	2002-03-12T12:47	payload off due to onboard anomaly ER2-UNA-2002/006
72	219	2002-03-12T12:47	2002-03-12T13:38	payload off due to onboard anomaly ER2-UNA-2002/006
72	220	2002-03-12T13:38	2002-03-12T14:28	payload off due to onboard anomaly ER2-UNA-2002/006
72	221	2002-03-12T14:28	2002-03-12T15:18	payload off due to onboard anomaly ER2-UNA-2002/006
72	222	2002-03-12T15:18	2002-03-12T16:09	payload off due to onboard anomaly ER2-UNA-2002/006
72	223	2002-03-12T16:09	2002-03-12T16:59	payload off due to onboard anomaly ER2-UNA-2002/006
72	224	2002-03-12T16:59	2002-03-12T17:49	payload off due to onboard anomaly ER2-UNA-2002/006
72	225	2002-03-12T17:49	2002-03-12T18:39	payload off due to onboard anomaly ER2-UNA-2002/006
72	226	2002-03-12T18:39	2002-03-12T19:30	payload off due to onboard anomaly ER2-UNA-2002/006
72	227	2002-03-12T19:30	2002-03-12T20:20	payload off due to onboard anomaly ER2-UNA-2002/006

72	228	2002-03-12T20:20	2002-03-12T21:10	payload off due to onboard anomaly ER2-UNA-2002/006
72	229	2002-03-12T21:10	2002-03-12T22:01	payload off due to onboard anomaly ER2-UNA-2002/006
72	230	2002-03-12T22:01	2002-03-12T22:51	payload off due to onboard anomaly ER2-UNA-2002/006
72	231	2002-03-12T22:51	2002-03-12T23:41	payload off due to onboard anomaly ER2-UNA-2002/006
72	232	2002-03-12T23:41	2002-03-13T00:32	payload off due to onboard anomaly ER2-UNA-2002/006
72	233	2002-03-13T00:32	2002-03-13T01:22	payload off due to onboard anomaly ER2-UNA-2002/006
72	234	2002-03-13T01:22	2002-03-13T02:12	payload off due to onboard anomaly ER2-UNA-2002/006
72	235	2002-03-13T02:12	2002-03-13T03:02	payload off due to onboard anomaly ER2-UNA-2002/006
72	236	2002-03-13T03:02	2002-03-13T03:53	payload off due to onboard anomaly ER2-UNA-2002/006
72	237	2002-03-13T03:53	2002-03-13T04:43	payload off due to onboard anomaly ER2-UNA-2002/006
72	238	2002-03-13T04:43	2002-03-13T05:33	payload off due to onboard anomaly ER2-UNA-2002/006
72	239	2002-03-13T05:33	2002-03-13T06:24	payload off due to onboard anomaly ER2-UNA-2002/006
72	240	2002-03-13T06:24	2002-03-13T07:14	payload off due to onboard anomaly ER2-UNA-2002/006
72	241	2002-03-13T07:14	2002-03-13T08:04	payload off due to onboard anomaly ER2-UNA-2002/006
72	242	2002-03-13T08:04	2002-03-13T08:55	payload off due to onboard anomaly ER2-UNA-2002/006
72	243	2002-03-13T08:55	2002-03-13T09:45	payload off due to onboard anomaly ER2-UNA-2002/006
72	244	2002-03-13T09:45	2002-03-13T10:35	payload off due to onboard anomaly ER2-UNA-2002/006
72	245	2002-03-13T10:35	2002-03-13T11:25	payload off due to onboard anomaly ER2-UNA-2002/006
72	246	2002-03-13T11:25	2002-03-13T12:16	payload off due to onboard anomaly ER2-UNA-2002/006
72	247	2002-03-13T12:16	2002-03-13T13:06	payload off due to onboard anomaly ER2-UNA-2002/006
72	248	2002-03-13T13:06	2002-03-13T13:56	payload off due to onboard anomaly ER2-UNA-2002/006
72	249	2002-03-13T13:56	2002-03-13T14:47	payload off due to onboard anomaly ER2-UNA-2002/006
72	250	2002-03-13T14:47	2002-03-13T15:37	payload off due to onboard anomaly ER2-UNA-2002/006
72	251	2002-03-13T15:37	2002-03-13T16:27	payload off due to onboard anomaly ER2-UNA-2002/006
72	252	2002-03-13T16:27	2002-03-13T17:18	payload off due to onboard anomaly ER2-UNA-2002/006
72	253	2002-03-13T17:18	2002-03-13T18:08	payload off due to onboard anomaly ER2-UNA-2002/006
72	254	2002-03-13T18:08	2002-03-13T18:58	payload off due to onboard anomaly ER2-UNA-2002/006
72	255	2002-03-13T18:58	2002-03-13T19:48	payload off due to onboard anomaly ER2-UNA-2002/006
72	256	2002-03-13T19:48	2002-03-13T20:39	payload off due to onboard anomaly ER2-UNA-2002/006
72	257	2002-03-13T20:39	2002-03-13T21:29	payload off due to onboard anomaly ER2-UNA-2002/006
72	258	2002-03-13T21:29	2002-03-13T22:19	payload off due to onboard anomaly ER2-UNA-2002/006
72	259	2002-03-13T22:19	2002-03-13T23:10	payload off due to onboard anomaly ER2-UNA-2002/006
72	260	2002-03-13T23:10	2002-03-14T00:00	payload off due to onboard anomaly ER2-UNA-2002/006
72	261	2002-03-14T00:00	2002-03-14T00:50	payload off due to onboard anomaly ER2-UNA-2002/006
72	262	2002-03-14T00:50	2002-03-14T01:41	payload off due to onboard anomaly ER2-UNA-2002/006
72	263	2002-03-14T01:41	2002-03-14T02:31	payload off due to onboard anomaly ER2-UNA-2002/006
72	264	2002-03-14T02:31	2002-03-14T03:21	payload off due to onboard anomaly ER2-UNA-2002/006
72	265	2002-03-14T03:21	2002-03-14T04:11	payload off due to onboard anomaly ER2-UNA-2002/006
72	266	2002-03-14T04:11	2002-03-14T05:02	payload off due to onboard anomaly ER2-UNA-2002/006
72	267	2002-03-14T05:02	2002-03-14T05:52	payload off due to onboard anomaly ER2-UNA-2002/006
72	268	2002-03-14T05:52	2002-03-14T06:42	payload off due to onboard anomaly ER2-UNA-2002/006
72	269	2002-03-14T06:42	2002-03-14T07:33	payload off due to onboard anomaly ER2-UNA-2002/006
72	270	2002-03-14T07:33	2002-03-14T08:23	payload off due to onboard anomaly ER2-UNA-2002/006
72	271	2002-03-14T08:23	2002-03-14T09:13	payload off due to onboard anomaly ER2-UNA-2002/006
72	272	2002-03-14T09:13	2002-03-14T10:04	payload off due to onboard anomaly ER2-UNA-2002/006
72	273	2002-03-14T10:04	2002-03-14T10:54	payload off due to onboard anomaly ER2-UNA-2002/006
72	274	2002-03-14T10:54	2002-03-14T11:44	payload off due to onboard anomaly ER2-UNA-2002/006
72	275	2002-03-14T11:44	2002-03-14T12:34	payload off due to onboard anomaly ER2-UNA-2002/006

72	276	2002-03-14T12:34	2002-03-14T13:25	payload off due to onboard anomaly ER2-UNA-2002/006
72	277	2002-03-14T13:25	2002-03-14T14:15	payload off due to onboard anomaly ER2-UNA-2002/006
72	278	2002-03-14T14:15	2002-03-14T15:05	payload off due to onboard anomaly ER2-UNA-2002/006
72	279	2002-03-14T15:05	2002-03-14T15:56	payload off due to onboard anomaly ER2-UNA-2002/006
72	280	2002-03-14T15:56	2002-03-14T16:46	payload off due to onboard anomaly ER2-UNA-2002/006
72	281	2002-03-14T16:46	2002-03-14T17:36	payload off due to onboard anomaly ER2-UNA-2002/006
72	282	2002-03-14T17:36	2002-03-14T18:27	payload off due to onboard anomaly ER2-UNA-2002/006
72	283	2002-03-14T18:27	2002-03-14T19:17	payload off due to onboard anomaly ER2-UNA-2002/006
72	284	2002-03-14T19:17	2002-03-14T20:07	payload off due to onboard anomaly ER2-UNA-2002/006
72	285	2002-03-14T20:07	2002-03-14T20:57	payload off due to onboard anomaly ER2-UNA-2002/006
72	286	2002-03-14T20:57	2002-03-14T21:48	payload off due to onboard anomaly ER2-UNA-2002/006
72	287	2002-03-14T21:48	2002-03-14T22:38	payload off due to onboard anomaly ER2-UNA-2002/006
72	288	2002-03-14T22:38	2002-03-14T23:28	payload off due to onboard anomaly ER2-UNA-2002/006
72	289	2002-03-14T23:28	2002-03-15T00:19	payload off due to onboard anomaly ER2-UNA-2002/006
72	290	2002-03-15T00:19	2002-03-15T01:09	payload off due to onboard anomaly ER2-UNA-2002/006
72	291	2002-03-15T01:09	2002-03-15T01:59	payload off due to onboard anomaly ER2-UNA-2002/006
72	292	2002-03-15T01:59	2002-03-15T02:50	payload off due to onboard anomaly ER2-UNA-2002/006
72	293	2002-03-15T02:50	2002-03-15T03:40	payload off due to onboard anomaly ER2-UNA-2002/006
72	294	2002-03-15T03:40	2002-03-15T04:30	payload off due to onboard anomaly ER2-UNA-2002/006
72	295	2002-03-15T04:30	2002-03-15T05:20	payload off due to onboard anomaly ER2-UNA-2002/006
72	296	2002-03-15T05:20	2002-03-15T06:11	payload off due to onboard anomaly ER2-UNA-2002/006
72	297	2002-03-15T06:11	2002-03-15T07:01	payload off due to onboard anomaly ER2-UNA-2002/006
72	298	2002-03-15T07:01	2002-03-15T07:51	payload off due to onboard anomaly ER2-UNA-2002/006
72	299	2002-03-15T07:51	2002-03-15T08:42	payload off due to onboard anomaly ER2-UNA-2002/006
72	300	2002-03-15T08:42	2002-03-15T09:32	payload off due to onboard anomaly ER2-UNA-2002/006
72	301	2002-03-15T09:32	2002-03-15T10:22	payload off due to onboard anomaly ER2-UNA-2002/006
72	302	2002-03-15T10:22	2002-03-15T11:13	payload off due to onboard anomaly ER2-UNA-2002/006
72	303	2002-03-15T11:13	2002-03-15T12:03	payload off due to onboard anomaly ER2-UNA-2002/006
72	304	2002-03-15T12:03	2002-03-15T12:53	payload off due to onboard anomaly ER2-UNA-2002/006
72	305	2002-03-15T12:53	2002-03-15T13:43	payload off due to onboard anomaly ER2-UNA-2002/006
72	306	2002-03-15T13:43	2002-03-15T14:34	payload off due to onboard anomaly ER2-UNA-2002/006
72	307	2002-03-15T14:34	2002-03-15T15:24	payload off due to onboard anomaly ER2-UNA-2002/006
72	308	2002-03-15T15:24	2002-03-15T16:14	payload off due to onboard anomaly ER2-UNA-2002/006
72	309	2002-03-15T16:14	2002-03-15T17:05	payload off due to onboard anomaly ER2-UNA-2002/006
72	310	2002-03-15T17:05	2002-03-15T17:55	payload off due to onboard anomaly ER2-UNA-2002/006
72	311	2002-03-15T17:55	2002-03-15T18:45	payload off due to onboard anomaly ER2-UNA-2002/006
72	312	2002-03-15T18:45	2002-03-15T19:36	payload off due to onboard anomaly ER2-UNA-2002/006
72	313	2002-03-15T19:36	2002-03-15T20:26	payload off due to onboard anomaly ER2-UNA-2002/006
72	314	2002-03-15T20:26	2002-03-15T21:16	payload off due to onboard anomaly ER2-UNA-2002/006
72	315	2002-03-15T21:16	2002-03-15T22:06	payload off due to onboard anomaly ER2-UNA-2002/006
72	316	2002-03-15T22:06	2002-03-15T22:57	payload off due to onboard anomaly ER2-UNA-2002/006
72	317	2002-03-15T22:57	2002-03-15T23:47	payload off due to onboard anomaly ER2-UNA-2002/006
72	318	2002-03-15T23:47	2002-03-16T00:37	payload off due to onboard anomaly ER2-UNA-2002/006
72	319	2002-03-16T00:37	2002-03-16T01:28	payload off due to onboard anomaly ER2-UNA-2002/006
72	320	2002-03-16T01:28	2002-03-16T02:18	payload off due to onboard anomaly ER2-UNA-2002/006
72	321	2002-03-16T02:18	2002-03-16T03:08	payload off due to onboard anomaly ER2-UNA-2002/006
72	322	2002-03-16T03:08	2002-03-16T03:58	payload off due to onboard anomaly ER2-UNA-2002/006
72	323	2002-03-16T03:58	2002-03-16T04:49	payload off due to onboard anomaly ER2-UNA-2002/006

72	324	2002-03-16T04:49	2002-03-16T05:39	payload off due to onboard anomaly ER2-UNA-2002/006
72	325	2002-03-16T05:39	2002-03-16T06:29	payload off due to onboard anomaly ER2-UNA-2002/006
72	326	2002-03-16T06:29	2002-03-16T07:20	payload off due to onboard anomaly ER2-UNA-2002/006
72	327	2002-03-16T07:20	2002-03-16T08:10	payload off due to onboard anomaly ER2-UNA-2002/006
72	328	2002-03-16T08:10	2002-03-16T09:00	payload off due to onboard anomaly ER2-UNA-2002/006
72	329	2002-03-16T09:00	2002-03-16T09:51	payload off due to onboard anomaly ER2-UNA-2002/006
72	330	2002-03-16T09:51	2002-03-16T10:41	payload off due to onboard anomaly ER2-UNA-2002/006
72	331	2002-03-16T10:41	2002-03-16T11:31	payload off due to onboard anomaly ER2-UNA-2002/006
72	332	2002-03-16T11:31	2002-03-16T12:21	payload off due to onboard anomaly ER2-UNA-2002/006
72	333	2002-03-16T12:21	2002-03-16T13:12	payload off due to onboard anomaly ER2-UNA-2002/006
72	334	2002-03-16T13:12	2002-03-16T14:02	payload off due to onboard anomaly ER2-UNA-2002/006
72	335	2002-03-16T14:02	2002-03-16T14:52	payload off due to onboard anomaly ER2-UNA-2002/006
72	336	2002-03-16T14:52	2002-03-16T15:43	payload off due to onboard anomaly ER2-UNA-2002/006
72	337	2002-03-16T15:43	2002-03-16T16:33	payload off due to onboard anomaly ER2-UNA-2002/006
72	338	2002-03-16T16:33	2002-03-16T17:23	payload off due to onboard anomaly ER2-UNA-2002/006
72	339	2002-03-16T17:23	2002-03-16T18:14	payload off due to onboard anomaly ER2-UNA-2002/006
72	340	2002-03-16T18:14	2002-03-16T19:04	payload off due to onboard anomaly ER2-UNA-2002/006
72	341	2002-03-16T19:04	2002-03-16T19:54	payload off due to onboard anomaly ER2-UNA-2002/006
72	342	2002-03-16T19:54	2002-03-16T20:44	payload off due to onboard anomaly ER2-UNA-2002/006
72	343	2002-03-16T20:44	2002-03-16T21:35	payload off due to onboard anomaly ER2-UNA-2002/006
72	344	2002-03-16T21:35	2002-03-16T22:25	payload off due to onboard anomaly ER2-UNA-2002/006
72	345	2002-03-16T22:25	2002-03-16T23:15	payload off due to onboard anomaly ER2-UNA-2002/006
72	346	2002-03-16T23:15	2002-03-17T00:06	payload off due to onboard anomaly ER2-UNA-2002/006
72	347	2002-03-17T00:06	2002-03-17T00:56	payload off due to onboard anomaly ER2-UNA-2002/006
72	348	2002-03-17T00:56	2002-03-17T01:46	payload off due to onboard anomaly ER2-UNA-2002/006
72	349	2002-03-17T01:46	2002-03-17T02:37	payload off due to onboard anomaly ER2-UNA-2002/006
72	350	2002-03-17T02:37	2002-03-17T03:27	payload off due to onboard anomaly ER2-UNA-2002/006
72	351	2002-03-17T03:27	2002-03-17T04:17	payload off due to onboard anomaly ER2-UNA-2002/006
72	352	2002-03-17T04:17	2002-03-17T05:07	payload off due to onboard anomaly ER2-UNA-2002/006
72	353	2002-03-17T05:07	2002-03-17T05:58	payload off due to onboard anomaly ER2-UNA-2002/006
72	354	2002-03-17T05:58	2002-03-17T06:48	payload off due to onboard anomaly ER2-UNA-2002/006
72	355	2002-03-17T06:48	2002-03-17T07:38	payload off due to onboard anomaly ER2-UNA-2002/006
72	356	2002-03-17T07:38	2002-03-17T08:29	payload off due to onboard anomaly ER2-UNA-2002/006
72	357	2002-03-17T08:29	2002-03-17T09:19	payload off due to onboard anomaly ER2-UNA-2002/006
72	358	2002-03-17T09:19	2002-03-17T10:09	payload off due to onboard anomaly ER2-UNA-2002/006
72	359	2002-03-17T10:09	2002-03-17T11:00	payload off due to onboard anomaly ER2-UNA-2002/006
72	360	2002-03-17T11:00	2002-03-17T11:50	payload off due to onboard anomaly ER2-UNA-2002/006
72	361	2002-03-17T11:50	2002-03-17T12:40	payload off due to onboard anomaly ER2-UNA-2002/006
72	362	2002-03-17T12:40	2002-03-17T13:30	payload off due to onboard anomaly ER2-UNA-2002/006
72	363	2002-03-17T13:30	2002-03-17T14:21	payload off due to onboard anomaly ER2-UNA-2002/006
72	364	2002-03-17T14:21	2002-03-17T15:11	payload off due to onboard anomaly ER2-UNA-2002/006
72	365	2002-03-17T15:11	2002-03-17T16:01	payload off due to onboard anomaly ER2-UNA-2002/006
72	366	2002-03-17T16:01	2002-03-17T16:52	payload off due to onboard anomaly ER2-UNA-2002/006
72	367	2002-03-17T16:52	2002-03-17T17:42	payload off due to onboard anomaly ER2-UNA-2002/006
72	368	2002-03-17T17:42	2002-03-17T18:32	payload off due to onboard anomaly ER2-UNA-2002/006
72	369	2002-03-17T18:32	2002-03-17T19:23	payload off due to onboard anomaly ER2-UNA-2002/006
72	370	2002-03-17T19:23	2002-03-17T20:13	payload off due to onboard anomaly ER2-UNA-2002/006
72	371	2002-03-17T20:13	2002-03-17T21:03	payload off due to onboard anomaly ER2-UNA-2002/006

72	372	2002-03-17T21:03	2002-03-17T21:53	payload off due to onboard anomaly ER2-UNA-2002/006
72	373	2002-03-17T21:53	2002-03-17T22:44	payload off due to onboard anomaly ER2-UNA-2002/006
72	374	2002-03-17T22:44	2002-03-17T23:34	payload off due to onboard anomaly ER2-UNA-2002/006
72	375	2002-03-17T23:34	2002-03-18T00:24	payload off due to onboard anomaly ER2-UNA-2002/006
72	376	2002-03-18T00:24	2002-03-18T01:15	payload off due to onboard anomaly ER2-UNA-2002/006
72	377	2002-03-18T01:15	2002-03-18T02:05	payload off due to onboard anomaly ER2-UNA-2002/006
72	378	2002-03-18T02:05	2002-03-18T02:55	payload off due to onboard anomaly ER2-UNA-2002/006
72	379	2002-03-18T02:55	2002-03-18T03:46	payload off due to onboard anomaly ER2-UNA-2002/006
72	380	2002-03-18T03:46	2002-03-18T04:36	payload off due to onboard anomaly ER2-UNA-2002/006
72	381	2002-03-18T04:36	2002-03-18T05:26	payload off due to onboard anomaly ER2-UNA-2002/006
72	382	2002-03-18T05:26	2002-03-18T06:16	payload off due to onboard anomaly ER2-UNA-2002/006
72	383	2002-03-18T06:16	2002-03-18T07:07	payload off due to onboard anomaly ER2-UNA-2002/006
72	384	2002-03-18T07:07	2002-03-18T07:57	payload off due to onboard anomaly ER2-UNA-2002/006
72	385	2002-03-18T07:57	2002-03-18T08:47	payload off due to onboard anomaly ER2-UNA-2002/006
72	386	2002-03-18T08:47	2002-03-18T09:38	payload off due to onboard anomaly ER2-UNA-2002/006
72	387	2002-03-18T09:38	2002-03-18T10:28	payload off due to onboard anomaly ER2-UNA-2002/006
72	388	2002-03-18T10:28	2002-03-18T11:18	payload off due to onboard anomaly ER2-UNA-2002/006
72	389	2002-03-18T11:18	2002-03-18T12:09	payload off due to onboard anomaly ER2-UNA-2002/006
72	390	2002-03-18T12:09	2002-03-18T12:59	payload off due to onboard anomaly ER2-UNA-2002/006
72	391	2002-03-18T12:59	2002-03-18T13:49	payload off due to onboard anomaly ER2-UNA-2002/006
72	392	2002-03-18T13:49	2002-03-18T14:39	payload off due to onboard anomaly ER2-UNA-2002/006
72	393	2002-03-18T14:39	2002-03-18T15:30	payload off due to onboard anomaly ER2-UNA-2002/006
72	394	2002-03-18T15:30	2002-03-18T16:20	payload off due to onboard anomaly ER2-UNA-2002/006
72	395	2002-03-18T16:20	2002-03-18T17:10	payload off due to onboard anomaly ER2-UNA-2002/006
72	396	2002-03-18T17:10	2002-03-18T18:01	payload off due to onboard anomaly ER2-UNA-2002/006
72	397	2002-03-18T18:01	2002-03-18T18:51	payload off due to onboard anomaly ER2-UNA-2002/006
72	398	2002-03-18T18:51	2002-03-18T19:41	payload off due to onboard anomaly ER2-UNA-2002/006
72	399	2002-03-18T19:41	2002-03-18T20:32	payload off due to onboard anomaly ER2-UNA-2002/006
72	400	2002-03-18T20:32	2002-03-18T21:22	payload off due to onboard anomaly ER2-UNA-2002/006
72	401	2002-03-18T21:22	2002-03-18T22:12	payload off due to onboard anomaly ER2-UNA-2002/006
72	402	2002-03-18T22:12	2002-03-18T23:02	payload off due to onboard anomaly ER2-UNA-2002/006
72	403	2002-03-18T23:02	2002-03-18T23:53	payload off due to onboard anomaly ER2-UNA-2002/006
72	404	2002-03-18T23:53	2002-03-19T00:43	payload off due to onboard anomaly ER2-UNA-2002/006
72	405	2002-03-19T00:43	2002-03-19T01:33	payload off due to onboard anomaly ER2-UNA-2002/006
72	406	2002-03-19T01:33	2002-03-19T02:24	payload off due to onboard anomaly ER2-UNA-2002/006
72	407	2002-03-19T02:24	2002-03-19T03:14	payload off due to onboard anomaly ER2-UNA-2002/006
72	408	2002-03-19T03:14	2002-03-19T04:04	payload off due to onboard anomaly ER2-UNA-2002/006
72	409	2002-03-19T04:04	2002-03-19T04:55	payload off due to onboard anomaly ER2-UNA-2002/006
72	410	2002-03-19T04:55	2002-03-19T05:45	payload off due to onboard anomaly ER2-UNA-2002/006
72	411	2002-03-19T05:45	2002-03-19T06:35	payload off due to onboard anomaly ER2-UNA-2002/006
72	412	2002-03-19T06:35	2002-03-19T07:25	payload off due to onboard anomaly ER2-UNA-2002/006
72	413	2002-03-19T07:25	2002-03-19T08:16	payload off due to onboard anomaly ER2-UNA-2002/006
72	414	2002-03-19T08:16	2002-03-19T09:06	payload off due to onboard anomaly ER2-UNA-2002/006
72	415	2002-03-19T09:06	2002-03-19T09:56	payload off due to onboard anomaly ER2-UNA-2002/006
72	416	2002-03-19T09:56	2002-03-19T10:47	payload off due to onboard anomaly ER2-UNA-2002/006
72	417	2002-03-19T10:47	2002-03-19T11:37	payload off due to onboard anomaly ER2-UNA-2002/006
72	418	2002-03-19T11:37	2002-03-19T12:27	payload off due to onboard anomaly ER2-UNA-2002/006
72	419	2002-03-19T12:27	2002-03-19T13:18	payload off due to onboard anomaly ER2-UNA-2002/006

72	420	2002-03-19T13:18	2002-03-19T14:08	payload off due to onboard anomaly ER2-UNA-2002/006
72	421	2002-03-19T14:08	2002-03-19T14:58	payload off due to onboard anomaly ER2-UNA-2002/006
72	422	2002-03-19T14:58	2002-03-19T15:48	payload off due to onboard anomaly ER2-UNA-2002/006
72	423	2002-03-19T15:48	2002-03-19T16:39	payload off due to onboard anomaly ER2-UNA-2002/006
72	424	2002-03-19T16:39	2002-03-19T17:29	payload off due to onboard anomaly ER2-UNA-2002/006
72	425	2002-03-19T17:29	2002-03-19T18:19	payload off due to onboard anomaly ER2-UNA-2002/006
72	426	2002-03-19T18:19	2002-03-19T19:10	payload off due to onboard anomaly ER2-UNA-2002/006
72	427	2002-03-19T19:10	2002-03-19T20:00	payload off due to onboard anomaly ER2-UNA-2002/006
72	428	2002-03-19T20:00	2002-03-19T20:50	payload off due to onboard anomaly ER2-UNA-2002/006
72	429	2002-03-19T20:50	2002-03-19T21:41	payload off due to onboard anomaly ER2-UNA-2002/006
72	430	2002-03-19T21:41	2002-03-19T22:31	payload off due to onboard anomaly ER2-UNA-2002/006
72	431	2002-03-19T22:31	2002-03-19T23:21	payload off due to onboard anomaly ER2-UNA-2002/006
72	432	2002-03-19T23:21	2002-03-20T00:11	payload off due to onboard anomaly ER2-UNA-2002/006
72	433	2002-03-20T00:11	2002-03-20T01:02	payload off due to onboard anomaly ER2-UNA-2002/006
72	434	2002-03-20T01:02	2002-03-20T01:52	payload off due to onboard anomaly ER2-UNA-2002/006
72	435	2002-03-20T01:52	2002-03-20T02:42	payload off due to onboard anomaly ER2-UNA-2002/006
72	436	2002-03-20T02:42	2002-03-20T03:33	payload off due to onboard anomaly ER2-UNA-2002/006
72	437	2002-03-20T03:33	2002-03-20T04:23	payload off due to onboard anomaly ER2-UNA-2002/006
72	438	2002-03-20T04:23	2002-03-20T05:13	payload off due to onboard anomaly ER2-UNA-2002/006
72	439	2002-03-20T05:13	2002-03-20T06:04	payload off due to onboard anomaly ER2-UNA-2002/006
72	440	2002-03-20T06:04	2002-03-20T06:54	payload off due to onboard anomaly ER2-UNA-2002/006
72	441	2002-03-20T06:54	2002-03-20T07:44	payload off due to onboard anomaly ER2-UNA-2002/006
72	442	2002-03-20T07:44	2002-03-20T08:34	payload off due to onboard anomaly ER2-UNA-2002/006
72	443	2002-03-20T08:34	2002-03-20T09:25	payload off due to onboard anomaly ER2-UNA-2002/006
72	444	2002-03-20T09:25	2002-03-20T10:15	payload off due to onboard anomaly ER2-UNA-2002/006
72	445	2002-03-20T10:15	2002-03-20T11:05	payload off due to onboard anomaly ER2-UNA-2002/006
72	446	2002-03-20T11:05	2002-03-20T11:56	payload off due to onboard anomaly ER2-UNA-2002/006
72	447	2002-03-20T11:56	2002-03-20T12:46	payload off due to onboard anomaly ER2-UNA-2002/006
72	448	2002-03-20T12:46	2002-03-20T13:36	payload off due to onboard anomaly ER2-UNA-2002/006
72	449	2002-03-20T13:36	2002-03-20T14:27	payload off due to onboard anomaly ER2-UNA-2002/006
72	450	2002-03-20T14:27	2002-03-20T15:17	payload off due to onboard anomaly ER2-UNA-2002/006
72	451	2002-03-20T15:17	2002-03-20T16:07	payload off due to onboard anomaly ER2-UNA-2002/006
72	452	2002-03-20T16:07	2002-03-20T16:57	payload off due to onboard anomaly ER2-UNA-2002/006
72	453	2002-03-20T16:57	2002-03-20T17:48	payload off due to onboard anomaly ER2-UNA-2002/006
72	838	2002-04-03T03:43	2002-04-03T04:33	unexplained missing telemetry
73	64	2002-04-11T02:51	2002-04-11T03:41	emergency switch down ER2-UNA-2002/014
73	65	2002-04-11T03:41	2002-04-11T04:32	emergency switch down ER2-UNA-2002/014
73	66	2002-04-11T04:32	2002-04-11T05:22	emergency switch down ER2-UNA-2002/014
73	67	2002-04-11T05:22	2002-04-11T06:12	emergency switch down ER2-UNA-2002/014
73	68	2002-04-11T06:12	2002-04-11T07:02	emergency switch down ER2-UNA-2002/014
73	69	2002-04-11T07:02	2002-04-11T07:53	emergency switch down ER2-UNA-2002/014
73	70	2002-04-11T07:53	2002-04-11T08:43	emergency switch down ER2-UNA-2002/014
73	71	2002-04-11T08:43	2002-04-11T09:33	emergency switch down ER2-UNA-2002/014
73	72	2002-04-11T09:33	2002-04-11T10:24	emergency switch down ER2-UNA-2002/014
73	317	2002-04-19T22:57	2002-04-19T23:47	unexplained missing telemetry
73	318	2002-04-19T23:47	2002-04-20T00:37	unexplained missing telemetry
73	319	2002-04-20T00:37	2002-04-20T01:28	unexplained missing telemetry
73	320	2002-04-20T01:28	2002-04-20T02:18	unexplained missing telemetry

73	321	2002-04-20T02:18	2002-04-20T03:08	unexplained missing telemetry
73	322	2002-04-20T03:08	2002-04-20T03:58	unexplained missing telemetry
73	323	2002-04-20T03:58	2002-04-20T04:49	unexplained missing telemetry
73	324	2002-04-20T04:49	2002-04-20T05:39	unexplained missing telemetry
73	325	2002-04-20T05:39	2002-04-20T06:29	unexplained missing telemetry
73	326	2002-04-20T06:29	2002-04-20T07:20	unexplained missing telemetry
73	327	2002-04-20T07:20	2002-04-20T08:10	unexplained missing telemetry
73	328	2002-04-20T08:10	2002-04-20T09:00	unexplained missing telemetry
73	329	2002-04-20T09:00	2002-04-20T09:51	unexplained missing telemetry
73	330	2002-04-20T09:51	2002-04-20T10:41	unexplained missing telemetry
73	331	2002-04-20T10:41	2002-04-20T11:31	unexplained missing telemetry
74	548	2002-06-02T00:36	2002-06-02T01:26	unexplained missing telemetry
74	549	2002-06-02T01:26	2002-06-02T02:16	unexplained missing telemetry
74	550	2002-06-02T02:16	2002-06-02T03:07	unexplained missing telemetry
74	606	2002-06-04T01:13	2002-06-04T02:04	unexplained missing telemetry
74	608	2002-06-04T02:54	2002-06-04T03:44	unexplained missing telemetry
75	352	2002-06-30T04:17	2002-06-30T05:07	unexplained missing telemetry
78	277	2002-10-10T13:25	2002-10-10T14:15	unexplained missing telemetry
78	574	2002-10-20T22:24	2002-10-20T23:14	unexplained missing telemetry
79	398	2002-11-18T18:51	2002-11-18T19:41	payload unavailable due to leonid shower
79	399	2002-11-18T19:41	2002-11-18T20:32	payload unavailable due to leonid shower
79	400	2002-11-18T20:32	2002-11-18T21:22	payload unavailable due to leonid shower
79	401	2002-11-18T21:22	2002-11-18T22:12	payload unavailable due to leonid shower
79	402	2002-11-18T22:12	2002-11-18T23:02	payload unavailable due to leonid shower
79	403	2002-11-18T23:02	2002-11-18T23:53	payload unavailable due to leonid shower
79	404	2002-11-18T23:53	2002-11-19T00:43	payload unavailable due to leonid shower
79	405	2002-11-19T00:43	2002-11-19T01:33	payload unavailable due to leonid shower
79	406	2002-11-19T01:33	2002-11-19T02:24	payload unavailable due to leonid shower
79	407	2002-11-19T02:24	2002-11-19T03:14	payload unavailable due to leonid shower
79	408	2002-11-19T03:14	2002-11-19T04:04	payload unavailable due to leonid shower
79	409	2002-11-19T04:04	2002-11-19T04:55	payload unavailable due to leonid shower
79	410	2002-11-19T04:55	2002-11-19T05:45	payload unavailable due to leonid shower
79	411	2002-11-19T05:45	2002-11-19T06:35	payload unavailable due to leonid shower
79	412	2002-11-19T06:35	2002-11-19T07:25	payload unavailable due to leonid shower
79	413	2002-11-19T07:25	2002-11-19T08:16	payload unavailable due to leonid shower
79	414	2002-11-19T08:16	2002-11-19T09:06	payload unavailable due to leonid shower
79	415	2002-11-19T09:06	2002-11-19T09:56	payload unavailable due to leonid shower
79	416	2002-11-19T09:56	2002-11-19T10:47	payload unavailable due to leonid shower
79	417	2002-11-19T10:47	2002-11-19T11:37	payload unavailable due to leonid shower
79	418	2002-11-19T11:37	2002-11-19T12:27	payload unavailable due to leonid shower
79	419	2002-11-19T12:27	2002-11-19T13:18	payload unavailable due to leonid shower
79	420	2002-11-19T13:18	2002-11-19T14:08	payload unavailable due to leonid shower
79	421	2002-11-19T14:08	2002-11-19T14:58	payload unavailable due to leonid shower
79	422	2002-11-19T14:58	2002-11-19T15:48	payload unavailable due to leonid shower
79	423	2002-11-19T15:48	2002-11-19T16:39	payload unavailable due to leonid shower
79	424	2002-11-19T16:39	2002-11-19T17:29	payload unavailable due to leonid shower
79	425	2002-11-19T17:29	2002-11-19T18:19	payload unavailable due to leonid shower
79	426	2002-11-19T18:19	2002-11-19T19:10	payload unavailable due to leonid shower

79	427	2002-11-19T19:10	2002-11-19T20:00	payload unavailable due to leonid shower
79	428	2002-11-19T20:00	2002-11-19T20:50	payload unavailable due to leonid shower
79	894	2002-12-06T02:39	2002-12-06T03:30	unexplained missing telemetry
80	1	2002-12-09T22:02	2002-12-09T22:52	IDHT stand by
80	2	2002-12-09T22:52	2002-12-09T23:43	IDHT stand by
80	3	2002-12-09T23:43	2002-12-10T00:33	IDHT stand by
80	4	2002-12-10T00:33	2002-12-10T01:23	IDHT stand by
80	5	2002-12-10T01:23	2002-12-10T02:14	IDHT stand by
80	6	2002-12-10T02:14	2002-12-10T03:04	IDHT stand by
80	7	2002-12-10T03:04	2002-12-10T03:54	IDHT stand by
80	8	2002-12-10T03:54	2002-12-10T04:44	IDHT stand by
80	292	2002-12-20T01:59	2002-12-20T02:50	IDHT possible failure ER2-UNA2002/055
80	293	2002-12-20T02:50	2002-12-20T03:40	IDHT possible failure ER2-UNA2002/055
80	294	2002-12-20T03:40	2002-12-20T04:30	IDHT possible failure ER2-UNA2002/055
80	295	2002-12-20T04:30	2002-12-20T05:20	IDHT possible failure ER2-UNA2002/055
80	296	2002-12-20T05:20	2002-12-20T06:11	IDHT possible failure ER2-UNA2002/055
80	297	2002-12-20T06:11	2002-12-20T07:01	IDHT possible failure ER2-UNA2002/055
80	299	2002-12-20T07:51	2002-12-20T08:42	IDHT possible failure ER2-UNA2002/055
80	301	2002-12-20T09:32	2002-12-20T10:22	IDHT possible failure ER2-UNA2002/055
80	302	2002-12-20T10:22	2002-12-20T11:13	IDHT possible failure ER2-UNA2002/055
80	303	2002-12-20T11:13	2002-12-20T12:03	IDHT possible failure ER2-UNA2002/055
80	304	2002-12-20T12:03	2002-12-20T12:53	IDHT possible failure ER2-UNA2002/055
80	834	2003-01-08T00:21	2003-01-08T01:12	unexplained missing telemetry
80	835	2003-01-08T01:12	2003-01-08T02:02	unexplained missing telemetry
80	836	2003-01-08T02:02	2003-01-08T02:52	unexplained missing telemetry
80	837	2003-01-08T02:52	2003-01-08T03:43	unexplained missing telemetry
80	838	2003-01-08T03:43	2003-01-08T04:33	unexplained missing telemetry
81	236	2003-01-22T03:02	2003-01-22T03:53	unexplained missing telemetry
81	290	2003-01-24T00:19	2003-01-24T01:09	unexplained missing telemetry
81	291	2003-01-24T01:09	2003-01-24T01:59	unexplained missing telemetry
81	292	2003-01-24T01:59	2003-01-24T02:50	unexplained missing telemetry
81	293	2003-01-24T02:50	2003-01-24T03:40	unexplained missing telemetry
81	294	2003-01-24T03:40	2003-01-24T04:30	unexplained missing telemetry
82	66	2003-02-20T04:32	2003-02-20T05:22	unexplained missing telemetry
82	90	2003-02-21T00:39	2003-02-21T01:29	unexplained missing telemetry
82	91	2003-02-21T01:29	2003-02-21T02:19	unexplained missing telemetry
82	92	2003-02-21T02:19	2003-02-21T03:10	unexplained missing telemetry
82	93	2003-02-21T03:10	2003-02-21T04:00	unexplained missing telemetry
82	94	2003-02-21T04:00	2003-02-21T04:50	unexplained missing telemetry
82	892	2003-03-21T00:59	2003-03-21T01:49	unexplained missing telemetry
83	587	2003-04-14T09:18	2003-04-14T10:08	unexplained missing telemetry
84	43	2003-04-30T09:15	2003-04-30T10:05	IDHT down for tape recorder B maintenance
84	44	2003-04-30T10:05	2003-04-30T10:55	IDHT down for tape recorder B maintenance
84	47	2003-04-30T12:36	2003-04-30T13:26	IDHT down for tape recorder B maintenance
84	127	2003-05-03T07:40	2003-05-03T08:30	unexplained missing telemetry
84	503	2003-05-16T10:52	2003-05-16T11:43	payload off due to data bus reconfiguration
84	504	2003-05-16T11:43	2003-05-16T12:33	payload off due to data bus reconfiguration
84	505	2003-05-16T12:33	2003-05-16T13:23	payload off due to data bus reconfiguration

84	506	2003-05-16T13:23	2003-05-16T14:14	payload off due to data bus reconfiguration
84	507	2003-05-16T14:14	2003-05-16T15:04	payload off due to data bus reconfiguration
84	508	2003-05-16T15:04	2003-05-16T15:54	payload off due to data bus reconfiguration
84	509	2003-05-16T15:54	2003-05-16T16:44	payload off due to data bus reconfiguration
84	510	2003-05-16T16:44	2003-05-16T17:35	payload off due to data bus reconfiguration
84	511	2003-05-16T17:35	2003-05-16T18:25	payload off due to data bus reconfiguration
84	512	2003-05-16T18:25	2003-05-16T19:15	payload off due to data bus reconfiguration
84	513	2003-05-16T19:15	2003-05-16T20:06	payload off due to data bus reconfiguration
84	514	2003-05-16T20:06	2003-05-16T20:56	payload off due to data bus reconfiguration
84	515	2003-05-16T20:56	2003-05-16T21:46	payload off due to data bus reconfiguration
84	516	2003-05-16T21:46	2003-05-16T22:37	payload off due to data bus reconfiguration
84	517	2003-05-16T22:37	2003-05-16T23:27	payload off due to data bus reconfiguration
84	518	2003-05-16T23:27	2003-05-17T00:17	payload off due to data bus reconfiguration
84	519	2003-05-17T00:17	2003-05-17T01:07	payload off due to data bus reconfiguration
84	520	2003-05-17T01:07	2003-05-17T01:58	payload off due to data bus reconfiguration
84	521	2003-05-17T01:58	2003-05-17T02:48	payload off due to data bus reconfiguration
84	522	2003-05-17T02:48	2003-05-17T03:38	payload off due to data bus reconfiguration
84	523	2003-05-17T03:38	2003-05-17T04:29	payload off due to data bus reconfiguration
84	524	2003-05-17T04:29	2003-05-17T05:19	payload off due to data bus reconfiguration
84	525	2003-05-17T05:19	2003-05-17T06:09	payload off due to data bus reconfiguration
84	526	2003-05-17T06:09	2003-05-17T07:00	payload off due to data bus reconfiguration
84	527	2003-05-17T07:00	2003-05-17T07:50	payload off due to data bus reconfiguration
84	528	2003-05-17T07:50	2003-05-17T08:40	payload off due to data bus reconfiguration
84	529	2003-05-17T08:40	2003-05-17T09:30	payload off due to data bus reconfiguration
84	530	2003-05-17T09:30	2003-05-17T10:21	payload off due to data bus reconfiguration
84	531	2003-05-17T10:21	2003-05-17T11:11	payload off due to data bus reconfiguration
84	532	2003-05-17T11:11	2003-05-17T12:01	payload off due to data bus reconfiguration
84	533	2003-05-17T12:01	2003-05-17T12:52	payload off due to data bus reconfiguration
84	534	2003-05-17T12:52	2003-05-17T13:42	payload off due to data bus reconfiguration
84	535	2003-05-17T13:42	2003-05-17T14:32	payload off due to data bus reconfiguration
84	536	2003-05-17T14:32	2003-05-17T15:23	payload off due to data bus reconfiguration
84	537	2003-05-17T15:23	2003-05-17T16:13	payload off due to data bus reconfiguration
84	538	2003-05-17T16:13	2003-05-17T17:03	payload off due to data bus reconfiguration
84	539	2003-05-17T17:03	2003-05-17T17:53	payload off due to data bus reconfiguration
84	540	2003-05-17T17:53	2003-05-17T18:44	payload off due to data bus reconfiguration
84	541	2003-05-17T18:44	2003-05-17T19:34	payload off due to data bus reconfiguration
84	542	2003-05-17T19:34	2003-05-17T20:24	payload off due to data bus reconfiguration
84	543	2003-05-17T20:24	2003-05-17T21:15	payload off due to data bus reconfiguration
84	544	2003-05-17T21:15	2003-05-17T22:05	payload off due to data bus reconfiguration
84	545	2003-05-17T22:05	2003-05-17T22:55	payload off due to data bus reconfiguration
84	546	2003-05-17T22:55	2003-05-17T23:46	payload off due to data bus reconfiguration
84	547	2003-05-17T23:46	2003-05-18T00:36	payload off due to data bus reconfiguration
84	548	2003-05-18T00:36	2003-05-18T01:26	payload off due to data bus reconfiguration
84	549	2003-05-18T01:26	2003-05-18T02:16	payload off due to data bus reconfiguration
84	550	2003-05-18T02:16	2003-05-18T03:07	payload off due to data bus reconfiguration
84	551	2003-05-18T03:07	2003-05-18T03:57	payload off due to data bus reconfiguration
84	552	2003-05-18T03:57	2003-05-18T04:47	payload off due to data bus reconfiguration
84	553	2003-05-18T04:47	2003-05-18T05:38	payload off due to data bus reconfiguration

84	554	2003-05-18T05:38	2003-05-18T06:28	payload off due to data bus reconfiguration
84	555	2003-05-18T06:28	2003-05-18T07:18	payload off due to data bus reconfiguration
84	556	2003-05-18T07:18	2003-05-18T08:09	payload off due to data bus reconfiguration
84	557	2003-05-18T08:09	2003-05-18T08:59	payload off due to data bus reconfiguration
84	558	2003-05-18T08:59	2003-05-18T09:49	payload off due to data bus reconfiguration
84	559	2003-05-18T09:49	2003-05-18T10:39	payload off due to data bus reconfiguration
84	560	2003-05-18T10:39	2003-05-18T11:30	payload off due to data bus reconfiguration
84	561	2003-05-18T11:30	2003-05-18T12:20	payload off due to data bus reconfiguration
84	562	2003-05-18T12:20	2003-05-18T13:10	payload off due to data bus reconfiguration
84	563	2003-05-18T13:10	2003-05-18T14:01	payload off due to data bus reconfiguration
84	564	2003-05-18T14:01	2003-05-18T14:51	payload off due to data bus reconfiguration
84	565	2003-05-18T14:51	2003-05-18T15:41	payload off due to data bus reconfiguration
84	566	2003-05-18T15:41	2003-05-18T16:32	payload off due to data bus reconfiguration
84	567	2003-05-18T16:32	2003-05-18T17:22	payload off due to data bus reconfiguration
84	568	2003-05-18T17:22	2003-05-18T18:12	payload off due to data bus reconfiguration
84	569	2003-05-18T18:12	2003-05-18T19:02	payload off due to data bus reconfiguration
84	570	2003-05-18T19:02	2003-05-18T19:53	payload off due to data bus reconfiguration
84	571	2003-05-18T19:53	2003-05-18T20:43	payload off due to data bus reconfiguration
84	572	2003-05-18T20:43	2003-05-18T21:33	payload off due to data bus reconfiguration
84	573	2003-05-18T21:33	2003-05-18T22:24	payload off due to data bus reconfiguration
84	574	2003-05-18T22:24	2003-05-18T23:14	payload off due to data bus reconfiguration
84	575	2003-05-18T23:14	2003-05-19T00:04	payload off due to data bus reconfiguration
84	576	2003-05-19T00:04	2003-05-19T00:55	payload off due to data bus reconfiguration
84	577	2003-05-19T00:55	2003-05-19T01:45	payload off due to data bus reconfiguration
84	578	2003-05-19T01:45	2003-05-19T02:35	payload off due to data bus reconfiguration
84	579	2003-05-19T02:35	2003-05-19T03:25	payload off due to data bus reconfiguration
84	580	2003-05-19T03:25	2003-05-19T04:16	payload off due to data bus reconfiguration
84	581	2003-05-19T04:16	2003-05-19T05:06	payload off due to data bus reconfiguration
84	582	2003-05-19T05:06	2003-05-19T05:56	payload off due to data bus reconfiguration
84	583	2003-05-19T05:56	2003-05-19T06:47	payload off due to data bus reconfiguration
84	584	2003-05-19T06:47	2003-05-19T07:37	payload off due to data bus reconfiguration
84	585	2003-05-19T07:37	2003-05-19T08:27	payload off due to data bus reconfiguration
84	586	2003-05-19T08:27	2003-05-19T09:18	payload off due to data bus reconfiguration
84	587	2003-05-19T09:18	2003-05-19T10:08	payload off due to data bus reconfiguration
84	588	2003-05-19T10:08	2003-05-19T10:58	payload off due to data bus reconfiguration
84	589	2003-05-19T10:58	2003-05-19T11:48	payload off due to data bus reconfiguration
84	590	2003-05-19T11:48	2003-05-19T12:39	payload off due to data bus reconfiguration
84	591	2003-05-19T12:39	2003-05-19T13:29	payload off due to data bus reconfiguration
84	592	2003-05-19T13:29	2003-05-19T14:19	payload off due to data bus reconfiguration
84	593	2003-05-19T14:19	2003-05-19T15:10	payload off due to data bus reconfiguration
84	594	2003-05-19T15:10	2003-05-19T16:00	payload off due to data bus reconfiguration
84	595	2003-05-19T16:00	2003-05-19T16:50	payload off due to data bus reconfiguration
84	596	2003-05-19T16:50	2003-05-19T17:41	payload off due to data bus reconfiguration
84	597	2003-05-19T17:41	2003-05-19T18:31	payload off due to data bus reconfiguration
84	598	2003-05-19T18:31	2003-05-19T19:21	payload off due to data bus reconfiguration
84	599	2003-05-19T19:21	2003-05-19T20:11	payload off due to data bus reconfiguration
84	600	2003-05-19T20:11	2003-05-19T21:02	payload off due to data bus reconfiguration
84	601	2003-05-19T21:02	2003-05-19T21:52	payload off due to data bus reconfiguration

84	602	2003-05-19T21:52	2003-05-19T22:42	payload off due to data bus reconfiguration
84	603	2003-05-19T22:42	2003-05-19T23:33	payload off due to data bus reconfiguration
84	604	2003-05-19T23:33	2003-05-20T00:23	payload off due to data bus reconfiguration
84	605	2003-05-20T00:23	2003-05-20T01:13	payload off due to data bus reconfiguration
84	606	2003-05-20T01:13	2003-05-20T02:04	payload off due to data bus reconfiguration
84	607	2003-05-20T02:04	2003-05-20T02:54	payload off due to data bus reconfiguration
84	608	2003-05-20T02:54	2003-05-20T03:44	payload off due to data bus reconfiguration
84	609	2003-05-20T03:44	2003-05-20T04:34	payload off due to data bus reconfiguration
84	610	2003-05-20T04:34	2003-05-20T05:25	payload off due to data bus reconfiguration
84	611	2003-05-20T05:25	2003-05-20T06:15	payload off due to data bus reconfiguration
84	612	2003-05-20T06:15	2003-05-20T07:05	payload off due to data bus reconfiguration
84	613	2003-05-20T07:05	2003-05-20T07:56	payload off due to data bus reconfiguration
84	617	2003-05-20T10:27	2003-05-20T11:17	unexplained missing telemetry
84	673	2003-05-22T09:23	2003-05-22T10:14	ATSR inhibited due to ATSR restart
84	677	2003-05-22T12:44	2003-05-22T13:35	unexplained missing telemetry
84	769	2003-05-25T17:52	2003-05-25T18:42	unexplained missing telemetry
85	23	2003-06-03T16:29	2003-06-03T17:19	unexplained missing telemetry
85	331	2003-06-14T10:41	2003-06-14T11:31	unexplained missing telemetry
85	537	2003-06-21T15:23	2003-06-21T16:13	unexplained missing telemetry
85	564	2003-06-22T14:01	2003-06-22T14:51	IDHT tape recorder A switched off due to motor overcurrent
85	565	2003-06-22T14:51	2003-06-22T15:41	IDHT tape recorder A switched off due to motor overcurrent
85	566	2003-06-22T15:41	2003-06-22T16:32	IDHT tape recorder A switched off due to motor overcurrent
85	567	2003-06-22T16:32	2003-06-22T17:22	IDHT tape recorder A switched off due to motor overcurrent
85	568	2003-06-22T17:22	2003-06-22T18:12	IDHT tape recorder A switched off due to motor overcurrent
85	569	2003-06-22T18:12	2003-06-22T19:02	IDHT tape recorder A switched off due to motor overcurrent
85	570	2003-06-22T19:02	2003-06-22T19:53	IDHT tape recorder A switched off due to motor overcurrent
85	571	2003-06-22T19:53	2003-06-22T20:43	IDHT tape recorder A switched off due to motor overcurrent
85	572	2003-06-22T20:43	2003-06-22T21:33	IDHT tape recorder A switched off due to motor overcurrent
85	573	2003-06-22T21:33	2003-06-22T22:24	IDHT tape recorder A switched off due to motor overcurrent
85	574	2003-06-22T22:24	2003-06-22T23:14	IDHT tape recorder A switched off due to motor overcurrent
85	575	2003-06-22T23:14	2003-06-23T00:04	IDHT tape recorder A switched off due to motor overcurrent
85	576	2003-06-23T00:04	2003-06-23T00:55	IDHT tape recorder A switched off due to motor overcurrent
85	577	2003-06-23T00:55	2003-06-23T01:45	IDHT tape recorder A switched off due to motor overcurrent
85	578	2003-06-23T01:45	2003-06-23T02:35	IDHT tape recorder A switched off due to motor overcurrent
85	579	2003-06-23T02:35	2003-06-23T03:25	IDHT tape recorder A switched off due to motor overcurrent
85	580	2003-06-23T03:25	2003-06-23T04:16	IDHT tape recorder A switched off due to motor overcurrent
85	581	2003-06-23T04:16	2003-06-23T05:06	IDHT tape recorder A switched off due to motor overcurrent
85	582	2003-06-23T05:06	2003-06-23T05:56	IDHT tape recorder A switched off due to motor overcurrent
85	583	2003-06-23T05:56	2003-06-23T06:47	IDHT tape recorder A switched off due to motor overcurrent
85	584	2003-06-23T06:47	2003-06-23T07:37	IDHT tape recorder A switched off due to motor overcurrent
85	585	2003-06-23T07:37	2003-06-23T08:27	IDHT tape recorder A switched off due to motor overcurrent
85	586	2003-06-23T08:27	2003-06-23T09:18	IDHT tape recorder A switched off due to motor overcurrent
85	587	2003-06-23T09:18	2003-06-23T10:08	IDHT tape recorder A switched off due to motor overcurrent
85	588	2003-06-23T10:08	2003-06-23T10:58	IDHT tape recorder A switched off due to motor overcurrent
85	589	2003-06-23T10:58	2003-06-23T11:48	IDHT tape recorder A switched off due to motor overcurrent
85	590	2003-06-23T11:48	2003-06-23T12:39	IDHT tape recorder A switched off due to motor overcurrent
85	591	2003-06-23T12:39	2003-06-23T13:29	IDHT tape recorder A switched off due to motor overcurrent
85	592	2003-06-23T13:29	2003-06-23T14:19	IDHT tape recorder A switched off due to motor overcurrent

85	593	2003-06-23T14:19	2003-06-23T15:10	IDHT tape recorder A switched off due to motor overcurrent
85	594	2003-06-23T15:10	2003-06-23T16:00	IDHT tape recorder A switched off due to motor overcurrent
85	595	2003-06-23T16:00	2003-06-23T16:50	IDHT tape recorder A switched off due to motor overcurrent
85	596	2003-06-23T16:50	2003-06-23T17:41	IDHT tape recorder A switched off due to motor overcurrent
85	597	2003-06-23T17:41	2003-06-23T18:31	IDHT tape recorder A switched off due to motor overcurrent
85	598	2003-06-23T18:31	2003-06-23T19:21	Payload switched off
85	599	2003-06-23T19:21	2003-06-23T20:11	Payload switched off
85	600	2003-06-23T20:11	2003-06-23T21:02	Payload switched off
85	601	2003-06-23T21:02	2003-06-23T21:52	Payload switched off
85	602	2003-06-23T21:52	2003-06-23T22:42	Payload switched off
85	603	2003-06-23T22:42	2003-06-23T23:33	Payload switched off
85	604	2003-06-23T23:33	2003-06-24T00:23	Payload switched off
85	605	2003-06-24T00:23	2003-06-24T01:13	Payload switched off
85	606	2003-06-24T01:13	2003-06-24T02:04	Payload switched off
85	607	2003-06-24T02:04	2003-06-24T02:54	Payload switched off
85	608	2003-06-24T02:54	2003-06-24T03:44	Payload switched off
85	609	2003-06-24T03:44	2003-06-24T04:34	Payload switched off
85	610	2003-06-24T04:34	2003-06-24T05:25	Payload switched off
85	611	2003-06-24T05:25	2003-06-24T06:15	Payload switched off
85	612	2003-06-24T06:15	2003-06-24T07:05	Payload switched off
85	613	2003-06-24T07:05	2003-06-24T07:56	Payload switched off
85	614	2003-06-24T07:56	2003-06-24T08:46	Payload switched off
85	615	2003-06-24T08:46	2003-06-24T09:36	Payload switched off
85	616	2003-06-24T09:36	2003-06-24T10:27	Payload switched off
85	617	2003-06-24T10:27	2003-06-24T11:17	Payload switched off
85	618	2003-06-24T11:17	2003-06-24T12:07	Payload switched off
85	619	2003-06-24T12:07	2003-06-24T12:57	Payload switched off
85	620	2003-06-24T12:57	2003-06-24T13:48	Payload switched off
85	621	2003-06-24T13:48	2003-06-24T14:38	Payload switched off
85	622	2003-06-24T14:38	2003-06-24T15:28	Payload switched off
85	623	2003-06-24T15:28	2003-06-24T16:19	Payload switched off
85	624	2003-06-24T16:19	2003-06-24T17:09	Payload switched off
85	625	2003-06-24T17:09	2003-06-24T17:59	Payload switched off
85	626	2003-06-24T17:59	2003-06-24T18:50	Payload switched off
85	627	2003-06-24T18:50	2003-06-24T19:40	Payload switched off
85	628	2003-06-24T19:40	2003-06-24T20:30	Payload switched off
85	629	2003-06-24T20:30	2003-06-24T21:20	Payload switched off
85	630	2003-06-24T21:20	2003-06-24T22:11	Payload switched off
85	631	2003-06-24T22:11	2003-06-24T23:01	Payload switched off
85	632	2003-06-24T23:01	2003-06-24T23:51	Payload switched off
85	633	2003-06-24T23:51	2003-06-25T00:42	Payload switched off
85	634	2003-06-25T00:42	2003-06-25T01:32	Payload switched off
85	635	2003-06-25T01:32	2003-06-25T02:22	Payload switched off
85	636	2003-06-25T02:22	2003-06-25T03:13	Payload switched off
85	637	2003-06-25T03:13	2003-06-25T04:03	Payload switched off
85	638	2003-06-25T04:03	2003-06-25T04:53	Payload switched off
85	639	2003-06-25T04:53	2003-06-25T05:43	Payload switched off
85	640	2003-06-25T05:43	2003-06-25T06:34	Payload switched off

85	641	2003-06-25T06:34	2003-06-25T07:24	Payload switched off
85	642	2003-06-25T07:24	2003-06-25T08:14	Payload switched off
85	643	2003-06-25T08:14	2003-06-25T09:05	Payload switched off
85	644	2003-06-25T09:05	2003-06-25T09:55	Payload switched off
85	645	2003-06-25T09:55	2003-06-25T10:45	Payload switched off
85	646	2003-06-25T10:45	2003-06-25T11:36	Payload switched off
85	647	2003-06-25T11:36	2003-06-25T12:26	Payload switched off
85	648	2003-06-25T12:26	2003-06-25T13:16	Payload switched off
85	649	2003-06-25T13:16	2003-06-25T14:06	Payload switched off
85	650	2003-06-25T14:06	2003-06-25T14:57	Payload switched off
85	651	2003-06-25T14:57	2003-06-25T15:47	Payload switched off
85	652	2003-06-25T15:47	2003-06-25T16:37	Payload switched off
85	653	2003-06-25T16:37	2003-06-25T17:28	Payload switched off
85	654	2003-06-25T17:28	2003-06-25T18:18	Payload switched off
85	655	2003-06-25T18:18	2003-06-25T19:08	Payload switched off
85	656	2003-06-25T19:08	2003-06-25T19:58	Payload switched off
85	657	2003-06-25T19:58	2003-06-25T20:49	Payload switched off
85	658	2003-06-25T20:49	2003-06-25T21:39	Payload switched off
85	659	2003-06-25T21:39	2003-06-25T22:29	Payload switched off
85	660	2003-06-25T22:29	2003-06-25T23:20	Payload switched off
85	661	2003-06-25T23:20	2003-06-26T00:10	Payload switched off
85	662	2003-06-26T00:10	2003-06-26T01:00	Payload switched off
85	663	2003-06-26T01:00	2003-06-26T01:51	Payload switched off
85	664	2003-06-26T01:51	2003-06-26T02:41	Payload switched off
85	665	2003-06-26T02:41	2003-06-26T03:31	Payload switched off
85	666	2003-06-26T03:31	2003-06-26T04:21	Payload switched off
85	667	2003-06-26T04:21	2003-06-26T05:12	Payload switched off
85	668	2003-06-26T05:12	2003-06-26T06:02	Payload switched off
85	669	2003-06-26T06:02	2003-06-26T06:52	Payload switched off
85	670	2003-06-26T06:52	2003-06-26T07:43	Payload switched off
85	671	2003-06-26T07:43	2003-06-26T08:33	Payload switched off
85	672	2003-06-26T08:33	2003-06-26T09:23	Payload switched off
85	673	2003-06-26T09:23	2003-06-26T10:14	Payload switched off
85	674	2003-06-26T10:14	2003-06-26T11:04	Payload switched off
85	675	2003-06-26T11:04	2003-06-26T11:54	Payload switched off
85	676	2003-06-26T11:54	2003-06-26T12:44	Payload switched off
85	677	2003-06-26T12:44	2003-06-26T13:35	Payload switched off
85	678	2003-06-26T13:35	2003-06-26T14:25	Payload switched off
85	679	2003-06-26T14:25	2003-06-26T15:15	Payload switched off
85	680	2003-06-26T15:15	2003-06-26T16:06	Payload switched off
85	681	2003-06-26T16:06	2003-06-26T16:56	Payload switched off
85	682	2003-06-26T16:56	2003-06-26T17:46	Payload switched off
85	683	2003-06-26T17:46	2003-06-26T18:37	Payload switched off
85	684	2003-06-26T18:37	2003-06-26T19:27	Payload switched off
85	685	2003-06-26T19:27	2003-06-26T20:17	Payload switched off
85	686	2003-06-26T20:17	2003-06-26T21:07	Payload switched off
85	687	2003-06-26T21:07	2003-06-26T21:58	Payload switched off
85	688	2003-06-26T21:58	2003-06-26T22:48	Payload switched off

85	689	2003-06-26T22:48	2003-06-26T23:38	Payload switched off
85	690	2003-06-26T23:38	2003-06-27T00:29	Payload switched off
85	691	2003-06-27T00:29	2003-06-27T01:19	Payload switched off
85	692	2003-06-27T01:19	2003-06-27T02:09	Payload switched off
85	693	2003-06-27T02:09	2003-06-27T03:00	Payload switched off
85	694	2003-06-27T03:00	2003-06-27T03:50	Payload switched off
85	695	2003-06-27T03:50	2003-06-27T04:40	Payload switched off
85	696	2003-06-27T04:40	2003-06-27T05:30	Payload switched off
85	697	2003-06-27T05:30	2003-06-27T06:21	Payload switched off
85	698	2003-06-27T06:21	2003-06-27T07:11	Payload switched off
85	699	2003-06-27T07:11	2003-06-27T08:01	Payload switched off
85	700	2003-06-27T08:01	2003-06-27T08:52	Payload switched off
85	701	2003-06-27T08:52	2003-06-27T09:42	Payload switched off
85	702	2003-06-27T09:42	2003-06-27T10:32	Payload switched off
85	703	2003-06-27T10:32	2003-06-27T11:23	Payload switched off
85	704	2003-06-27T11:23	2003-06-27T12:13	Payload switched off
85	705	2003-06-27T12:13	2003-06-27T13:03	Payload switched off
85	706	2003-06-27T13:03	2003-06-27T13:53	Payload switched off
85	707	2003-06-27T13:53	2003-06-27T14:44	Payload switched off
85	708	2003-06-27T14:44	2003-06-27T15:34	Payload switched off
85	709	2003-06-27T15:34	2003-06-27T16:24	Payload switched off
85	710	2003-06-27T16:24	2003-06-27T17:15	Payload switched off
85	711	2003-06-27T17:15	2003-06-27T18:05	Payload switched off
85	712	2003-06-27T18:05	2003-06-27T18:55	Payload switched off
85	713	2003-06-27T18:55	2003-06-27T19:46	Payload switched off
85	714	2003-06-27T19:46	2003-06-27T20:36	Payload switched off
85	715	2003-06-27T20:36	2003-06-27T21:26	Payload switched off
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85	732	2003-06-28T10:51	2003-06-28T11:41	Payload switched off
85	733	2003-06-28T11:41	2003-06-28T12:32	Payload switched off
85	734	2003-06-28T12:32	2003-06-28T13:22	Payload switched off
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85	737	2003-06-28T15:02	2003-06-28T15:53	Payload switched off
85	738	2003-06-28T15:53	2003-06-28T16:43	Payload switched off
85	739	2003-06-28T16:43	2003-06-28T17:33	Payload switched off
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85	741	2003-06-28T18:24	2003-06-28T19:14	Payload switched off
85	742	2003-06-28T19:14	2003-06-28T20:04	Payload switched off
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85	745	2003-06-28T21:45	2003-06-28T22:35	Payload switched off
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85	747	2003-06-28T23:25	2003-06-29T00:16	Payload switched off
85	748	2003-06-29T00:16	2003-06-29T01:06	Payload switched off
85	749	2003-06-29T01:06	2003-06-29T01:56	Payload switched off
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85	766	2003-06-29T15:21	2003-06-29T16:11	Payload switched off
85	767	2003-06-29T16:11	2003-06-29T17:02	Payload switched off
85	768	2003-06-29T17:02	2003-06-29T17:52	Payload switched off
85	769	2003-06-29T17:52	2003-06-29T18:42	Payload switched off
85	770	2003-06-29T18:42	2003-06-29T19:33	Payload switched off
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85	773	2003-06-29T21:13	2003-06-29T22:04	Payload switched off
85	774	2003-06-29T22:04	2003-06-29T22:54	Payload switched off
85	775	2003-06-29T22:54	2003-06-29T23:44	Payload switched off
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85	778	2003-06-30T01:25	2003-06-30T02:15	Payload switched off
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85	780	2003-06-30T03:05	2003-06-30T03:56	Payload switched off
85	781	2003-06-30T03:56	2003-06-30T04:46	Payload switched off
85	782	2003-06-30T04:46	2003-06-30T05:36	Payload switched off
85	783	2003-06-30T05:36	2003-06-30T06:27	Payload switched off
85	784	2003-06-30T06:27	2003-06-30T07:17	Payload switched off

85	785	2003-06-30T07:17	2003-06-30T08:07	Payload switched off
85	786	2003-06-30T08:07	2003-06-30T08:57	Payload switched off
85	787	2003-06-30T08:57	2003-06-30T09:48	Payload switched off
85	788	2003-06-30T09:48	2003-06-30T10:38	Payload switched off
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85	803	2003-06-30T22:22	2003-06-30T23:13	Payload switched off
85	804	2003-06-30T23:13	2003-07-01T00:03	Payload switched off
85	805	2003-07-01T00:03	2003-07-01T00:53	Payload switched off
85	806	2003-07-01T00:53	2003-07-01T01:43	Payload switched off
85	807	2003-07-01T01:43	2003-07-01T02:34	Payload switched off
85	808	2003-07-01T02:34	2003-07-01T03:24	Payload switched off
85	809	2003-07-01T03:24	2003-07-01T04:14	Payload switched off
85	810	2003-07-01T04:14	2003-07-01T05:05	Payload switched off
85	811	2003-07-01T05:05	2003-07-01T05:55	Payload switched off
85	812	2003-07-01T05:55	2003-07-01T06:45	Payload switched off
85	813	2003-07-01T06:45	2003-07-01T07:36	Payload switched off
85	814	2003-07-01T07:36	2003-07-01T08:26	Payload switched off
85	815	2003-07-01T08:26	2003-07-01T09:16	Payload switched off

2.3 ENVISAT

On Figure 3, one can see there is 1.35% of data flagged as “degraded” do to the lack of precise orbit files at the beginning of ENVISAT mission (from 2002-04-10 to 2002-06-17). For this data, the orbit state vector was propagated, hence the locations are not precise, and impacted by errors in some LO headers. Otherwise, the number of data flagged as “bad” is low, lower than for ERS and corresponds mainly to anomalous values detected on brightness temperatures.

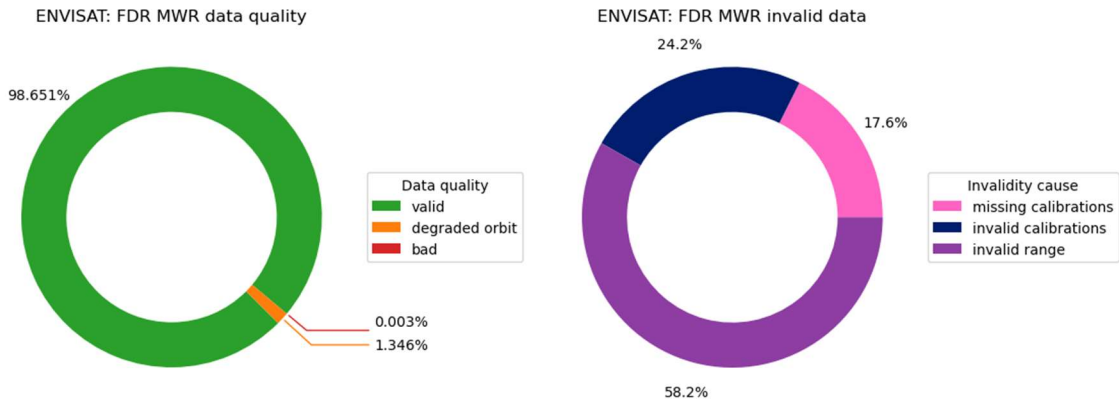
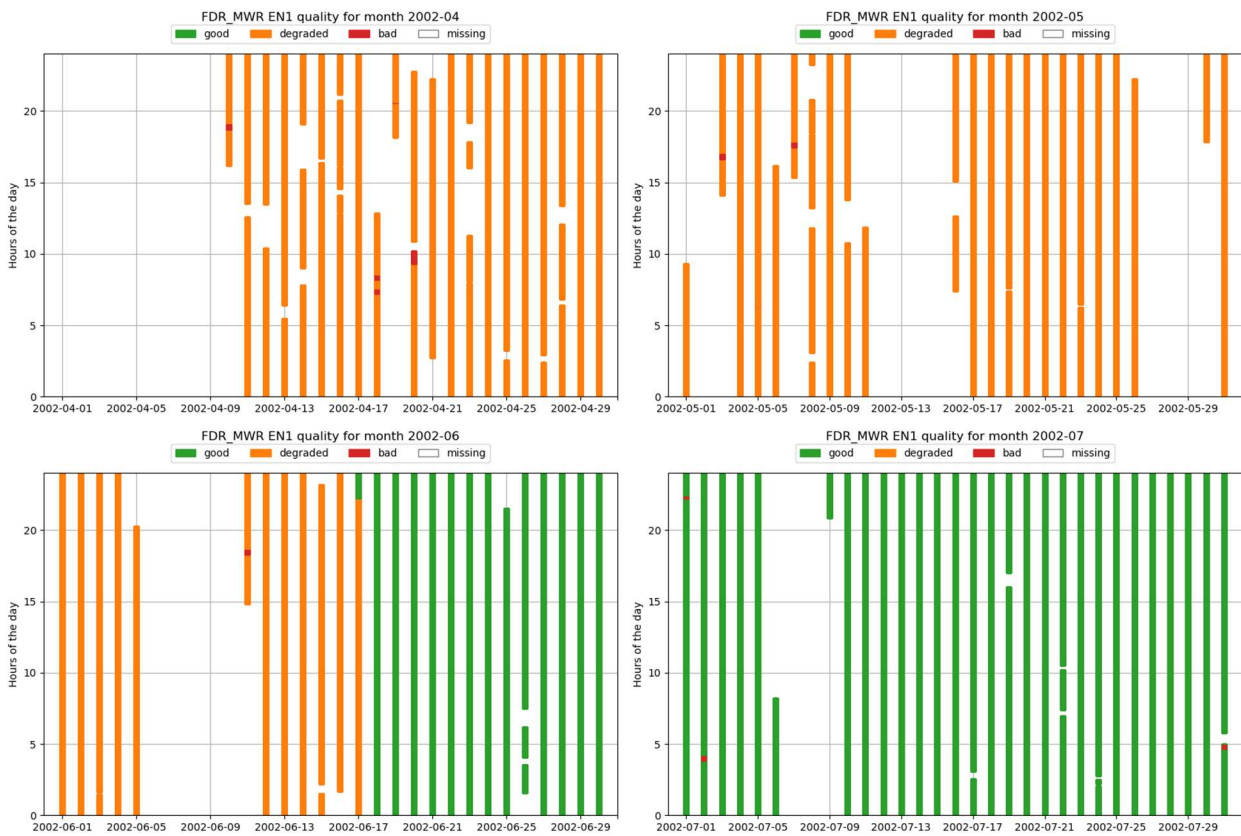
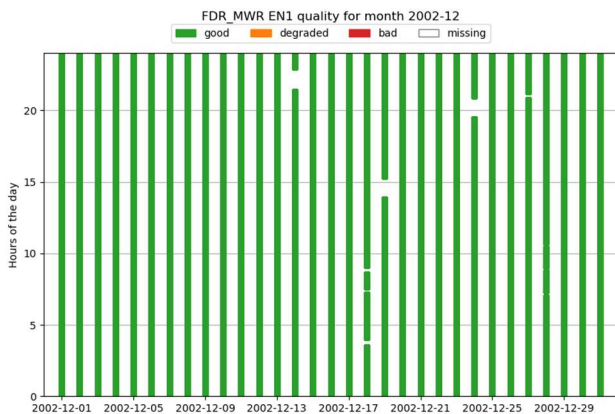
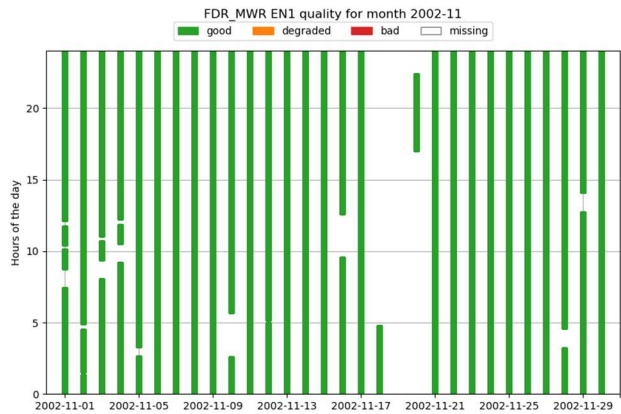
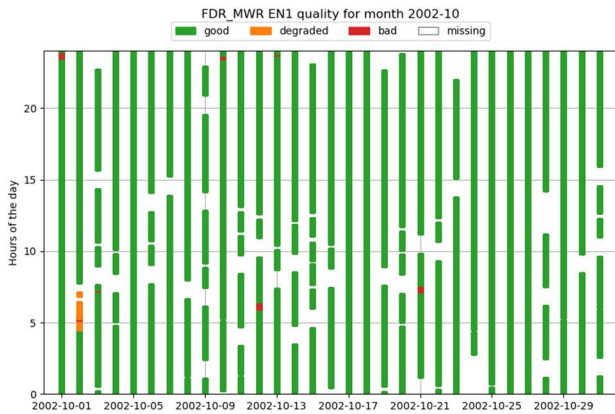
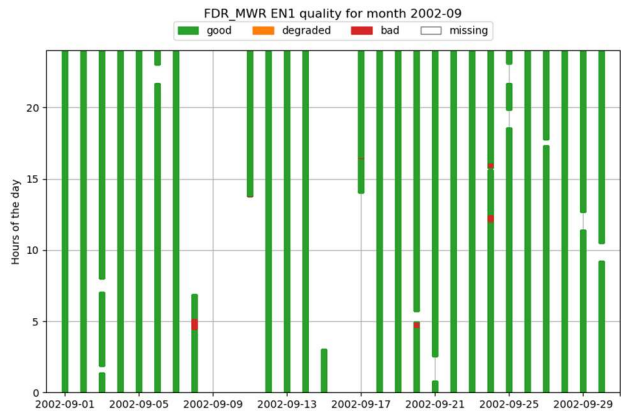
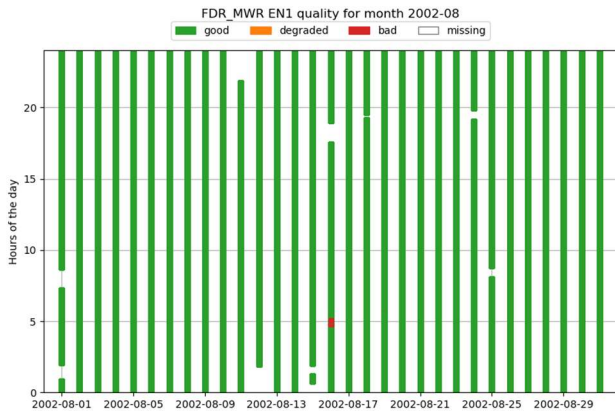


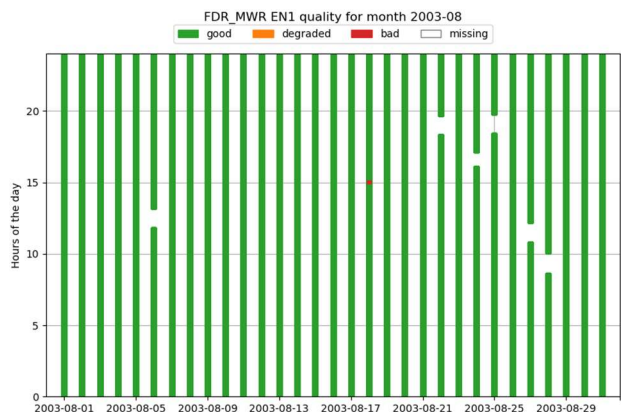
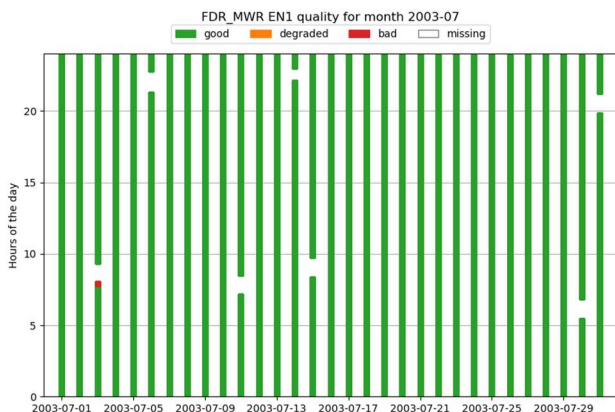
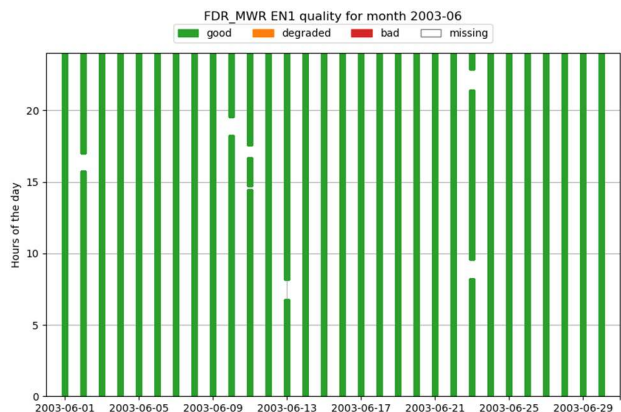
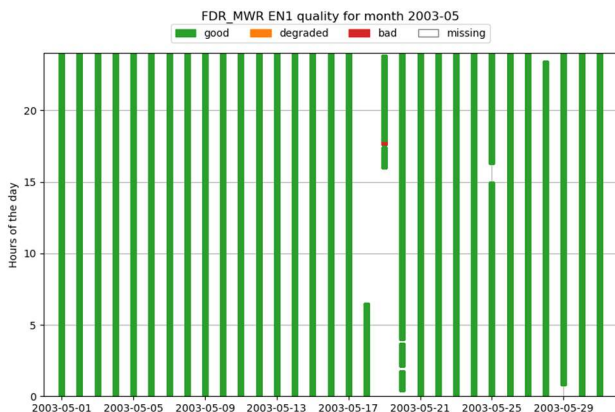
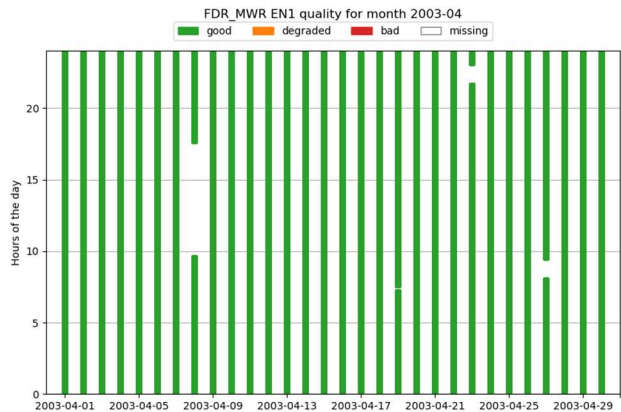
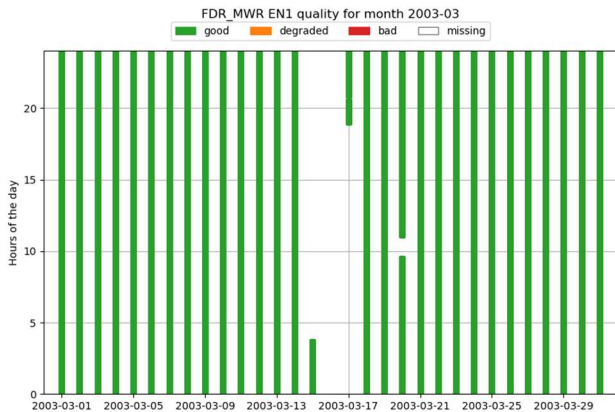
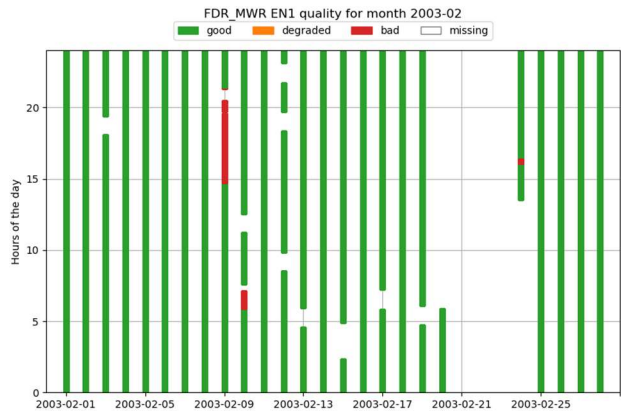
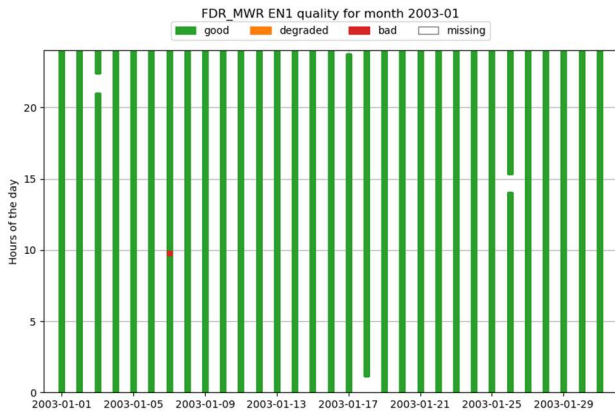
Figure 3 : Data quality and invalid data cause repartition for the full dataset of ENVISAT FDR MWR

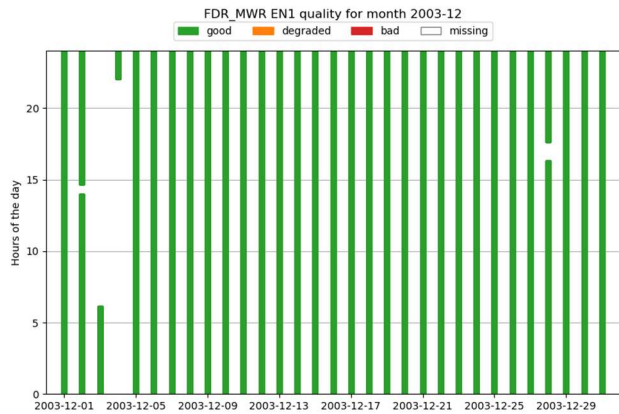
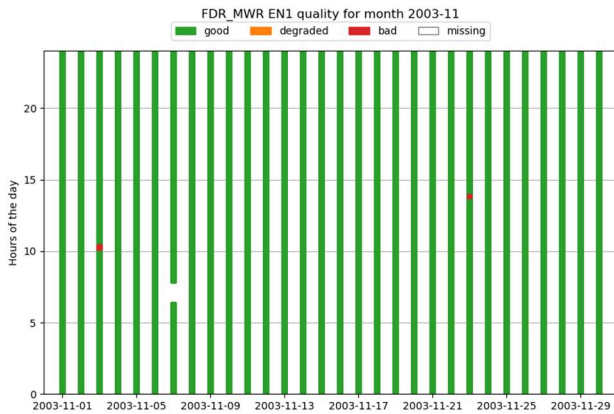
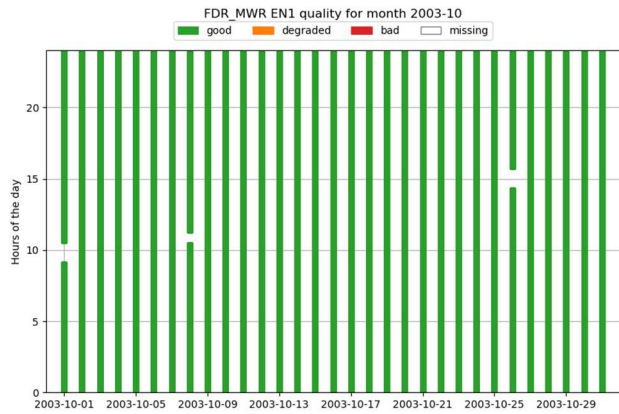
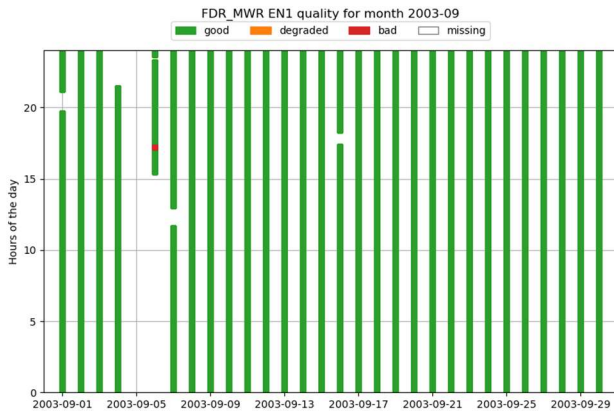
2.3.1 2002



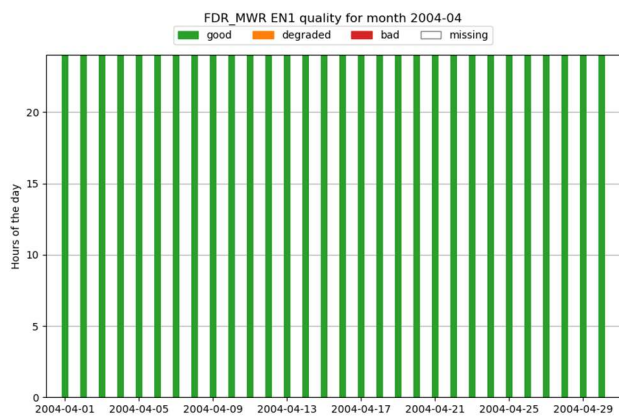
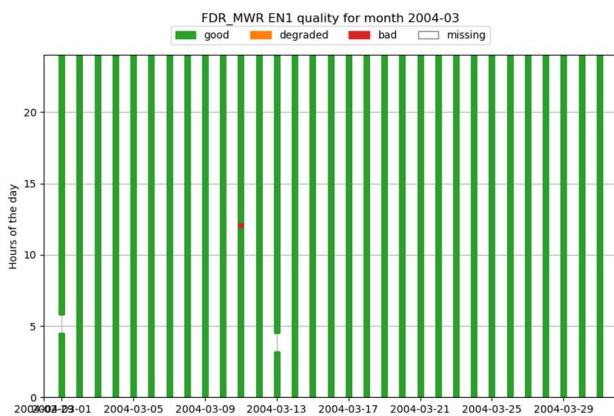
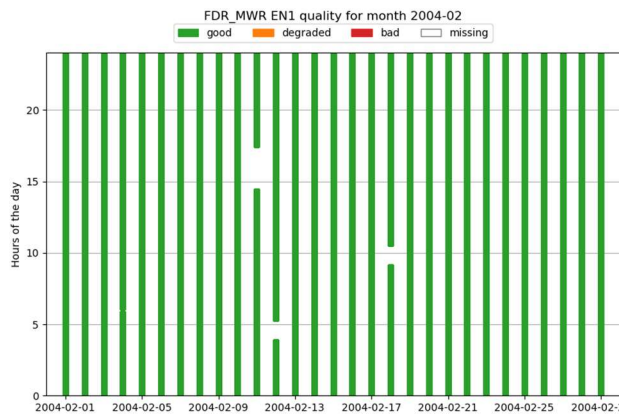
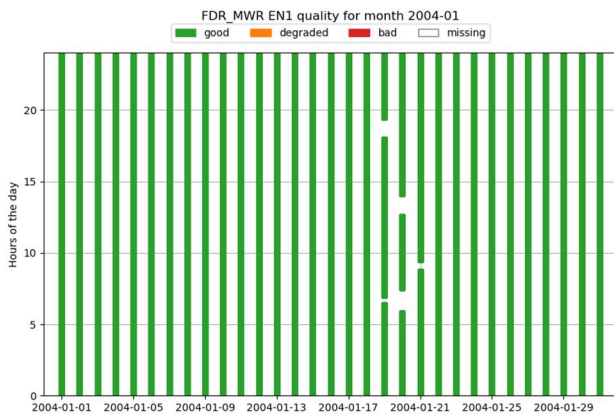


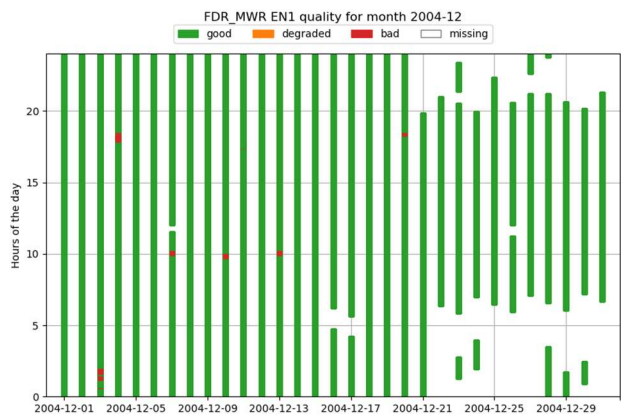
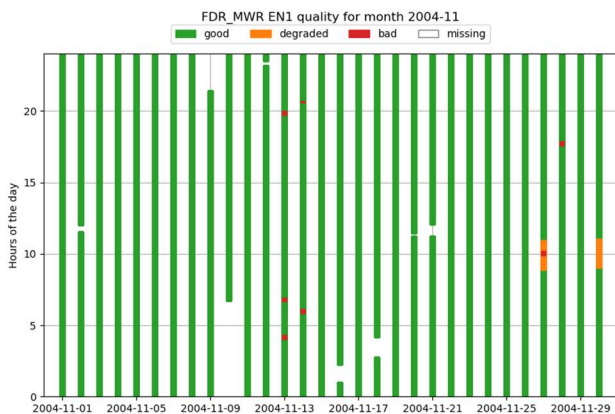
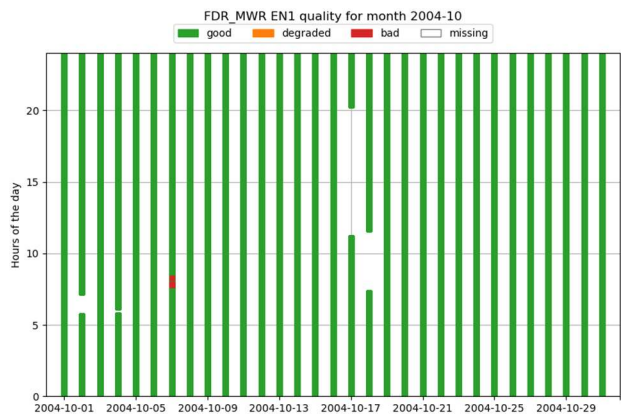
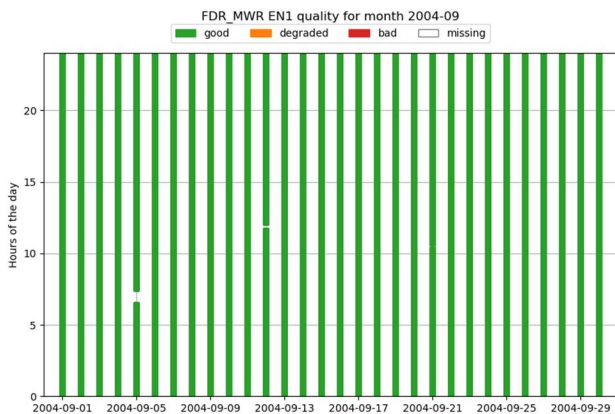
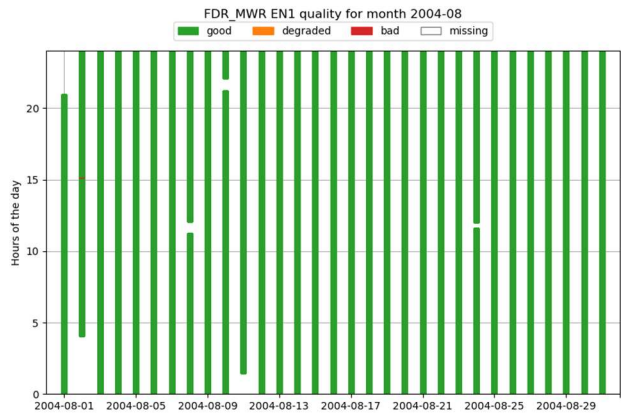
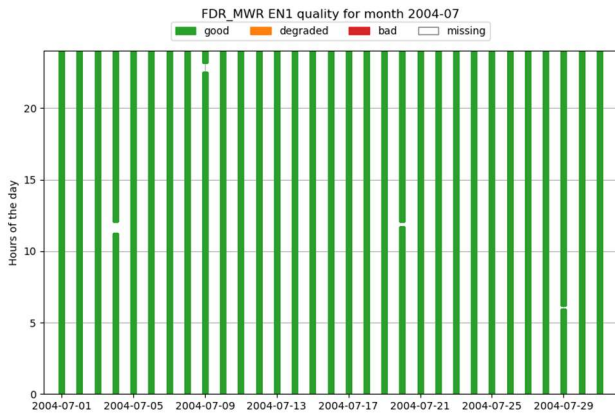
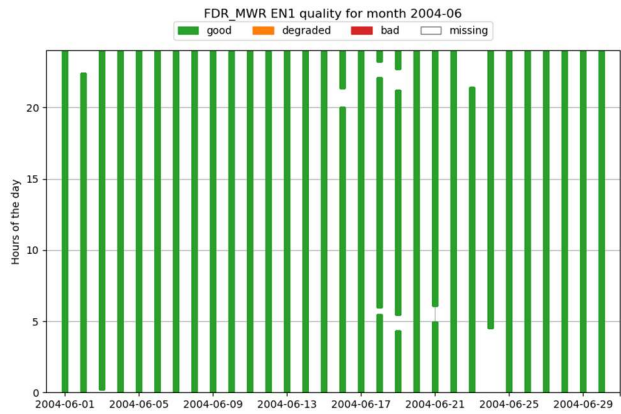
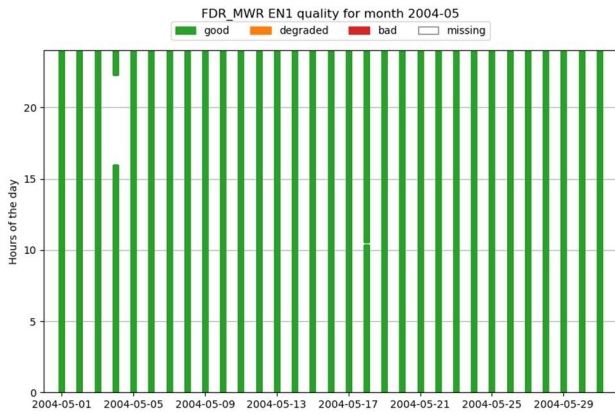
2.3.2 2003



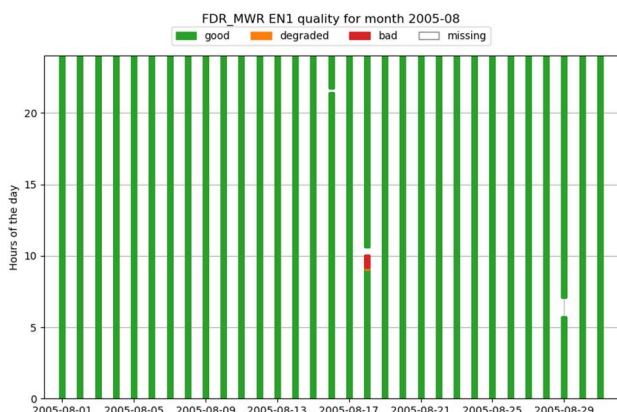
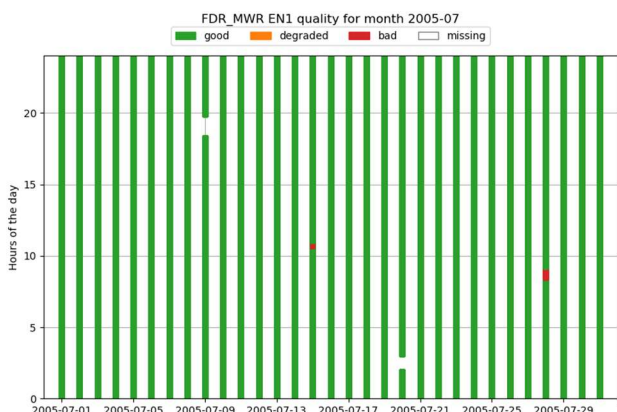
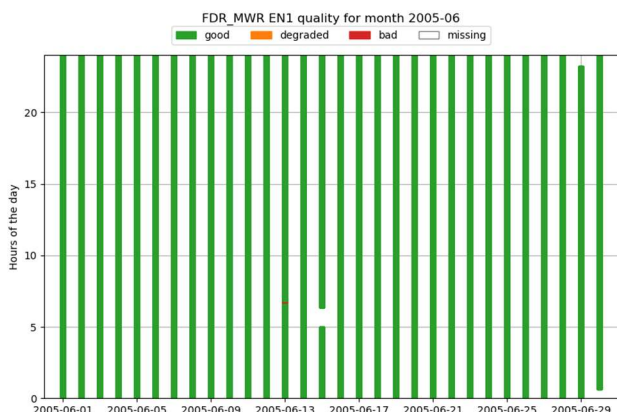
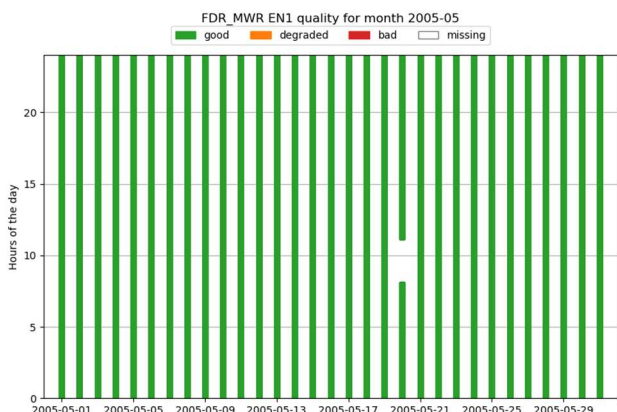
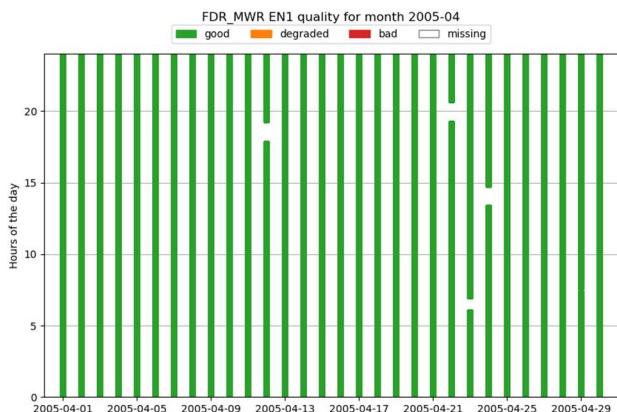
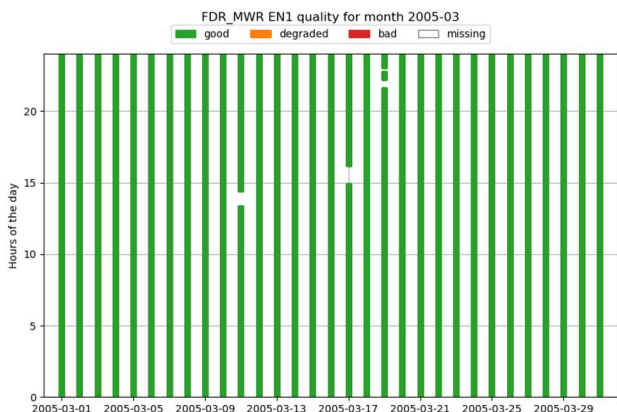
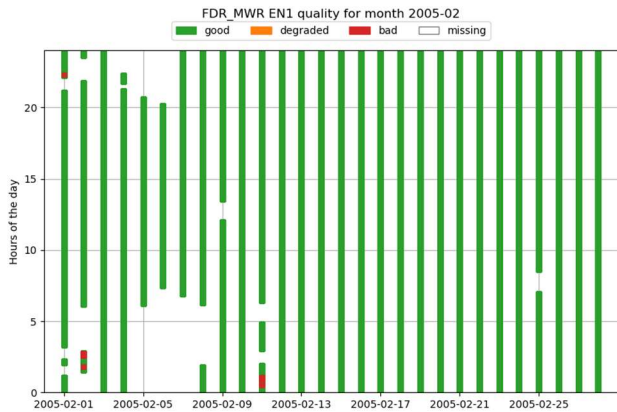
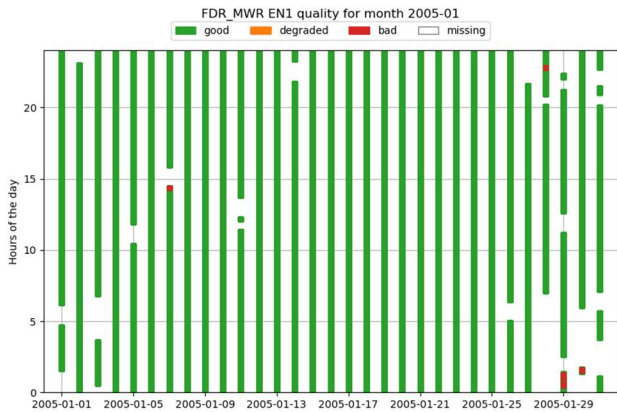


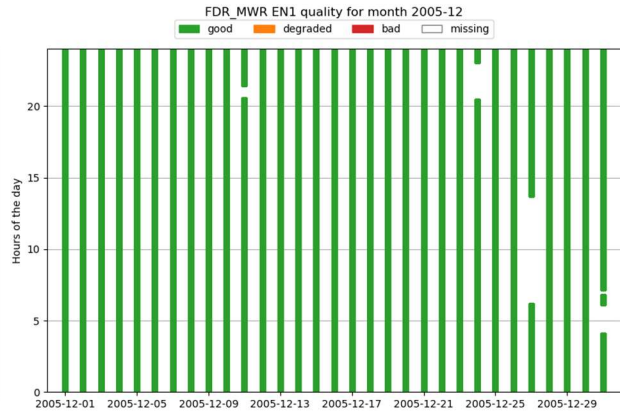
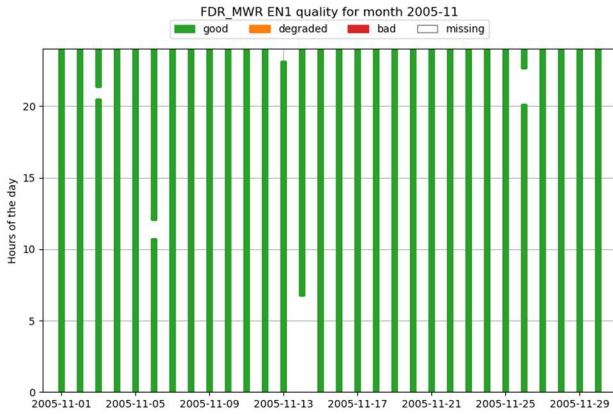
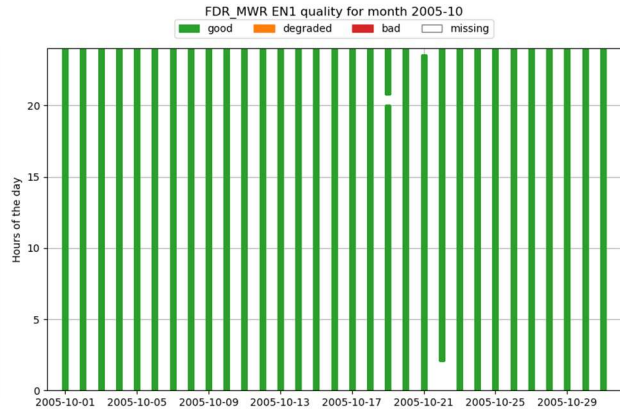
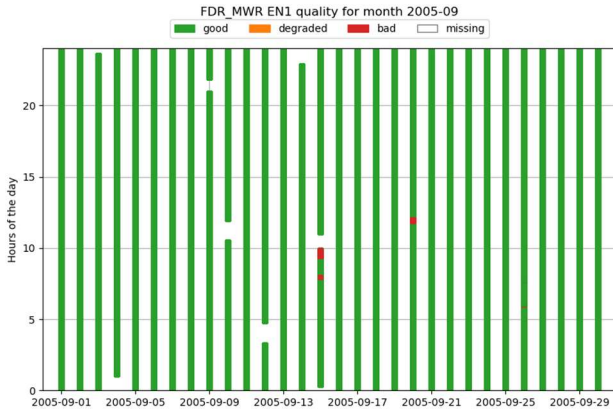
2.3.3 2004



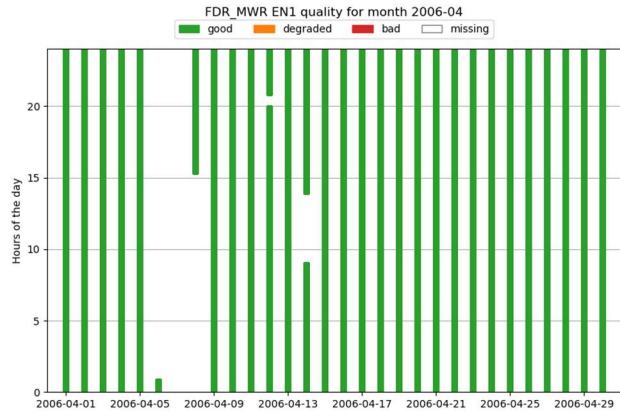
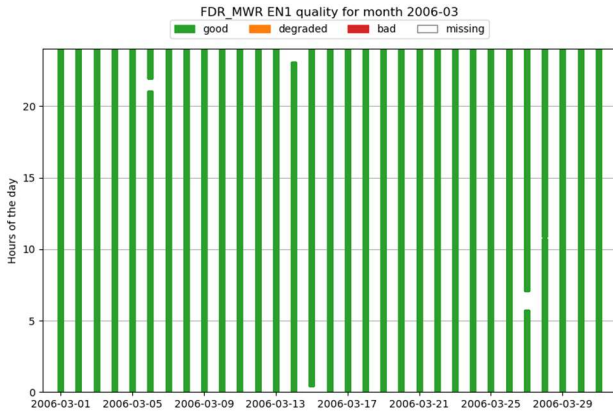
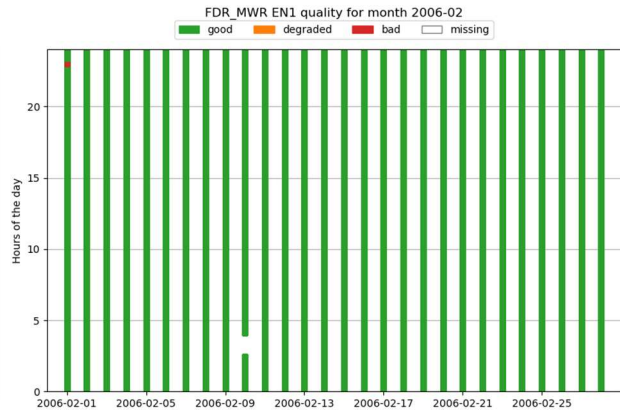


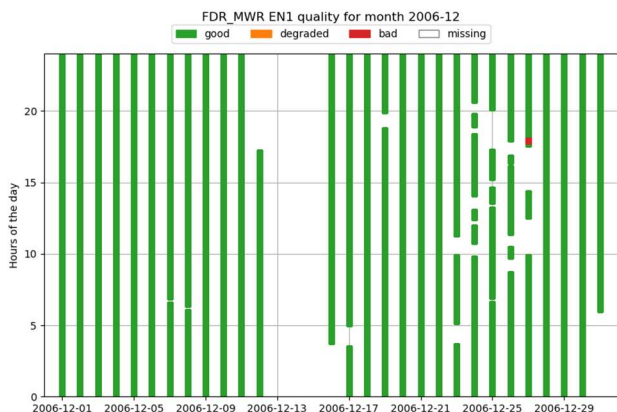
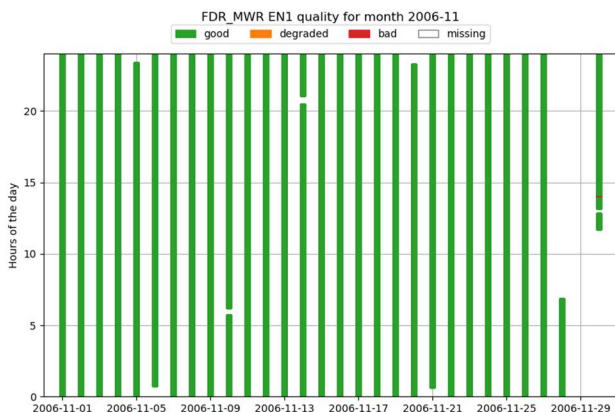
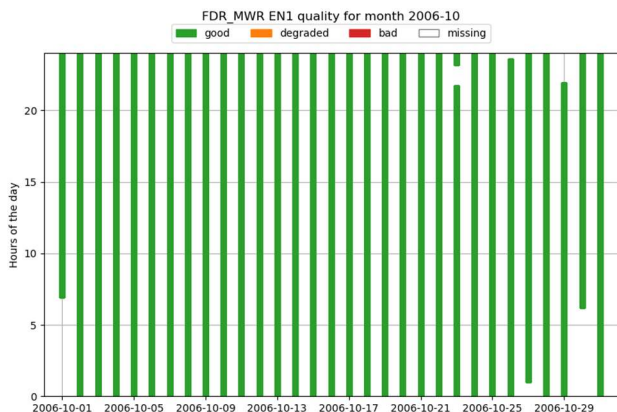
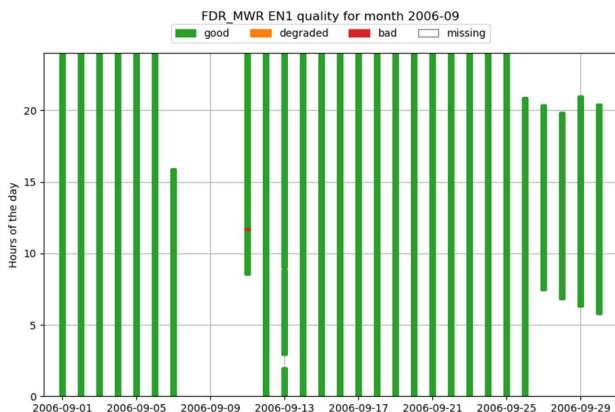
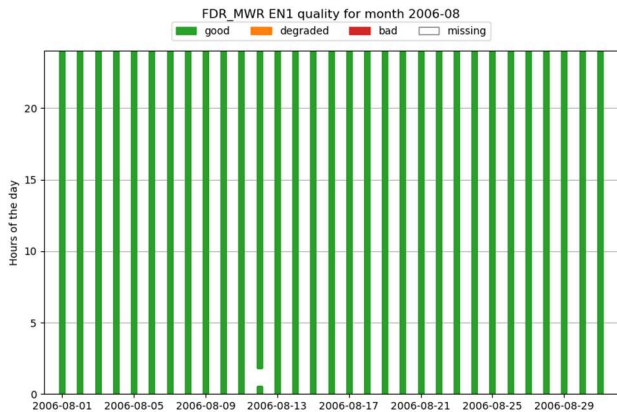
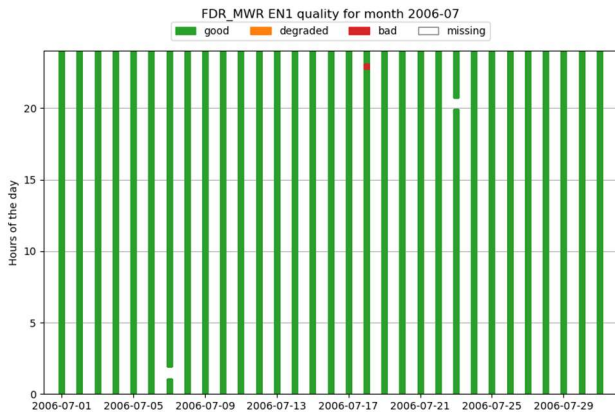
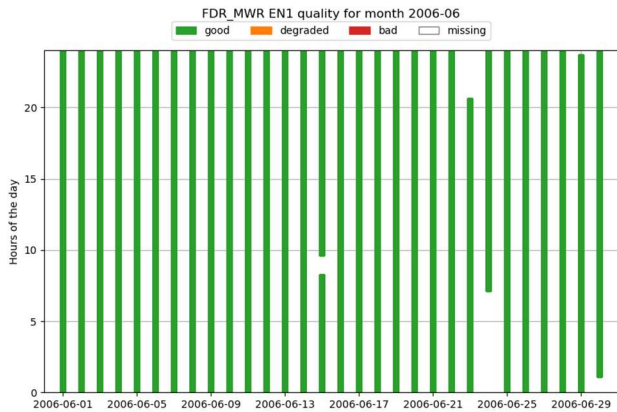
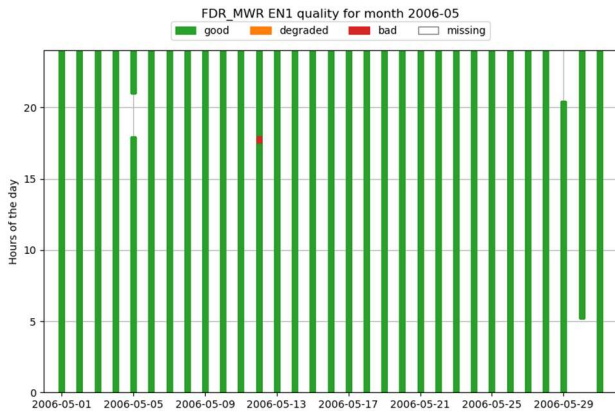
2.3.4 2005



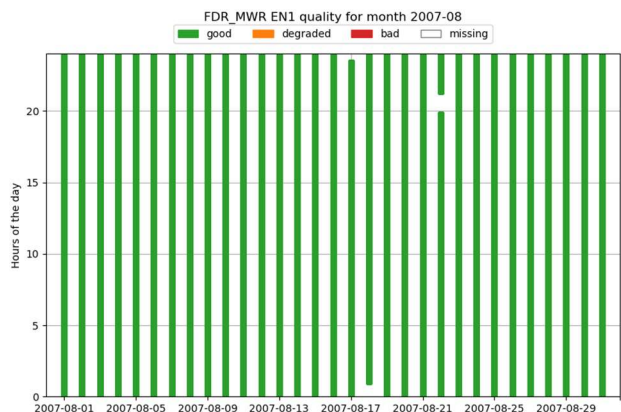
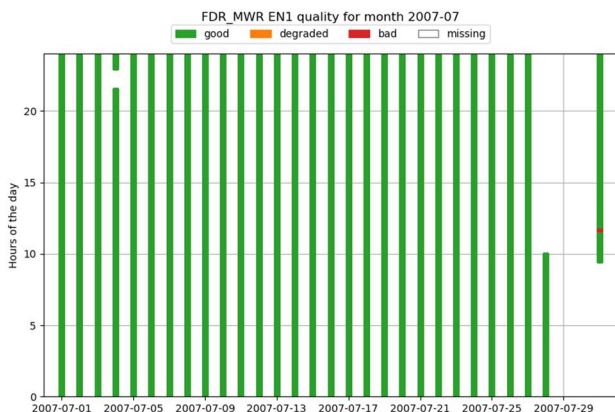
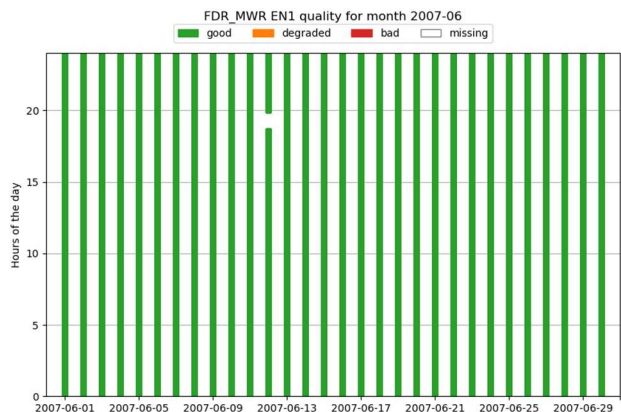
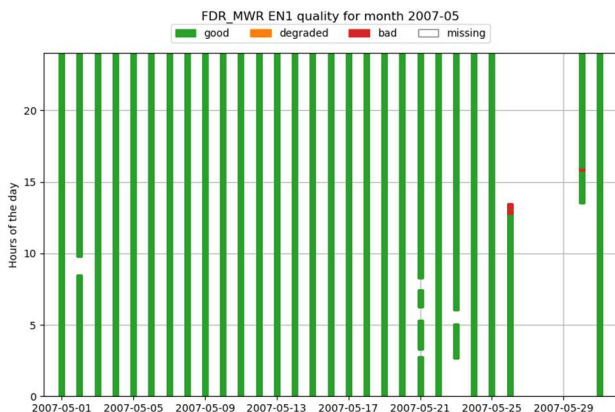
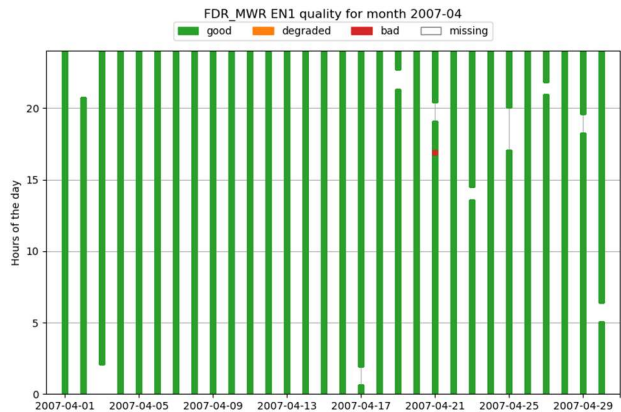
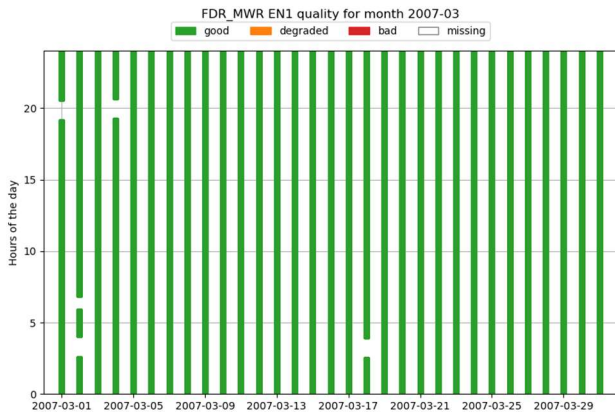
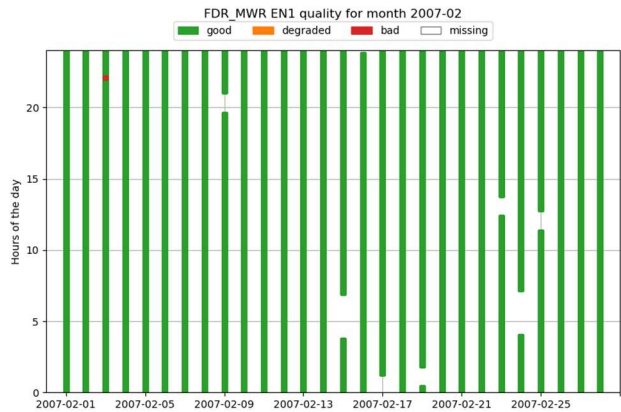
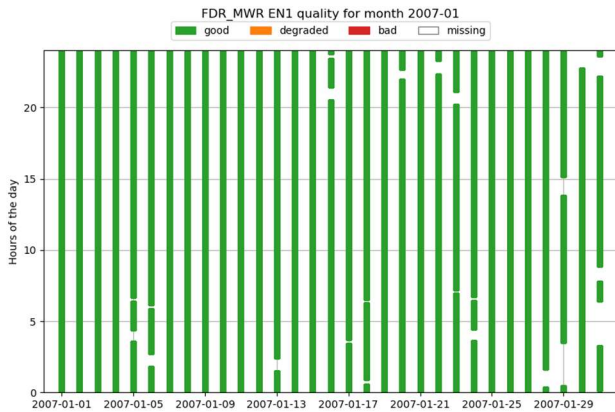


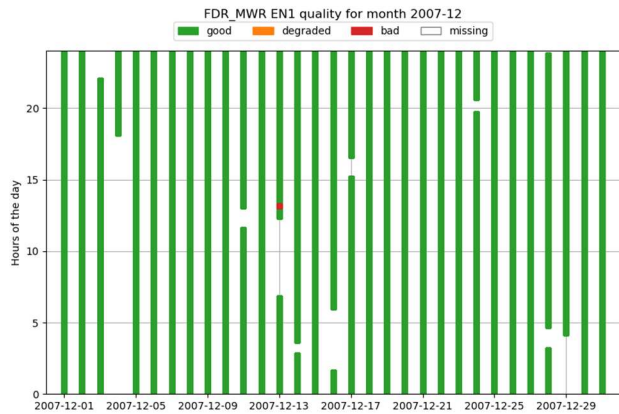
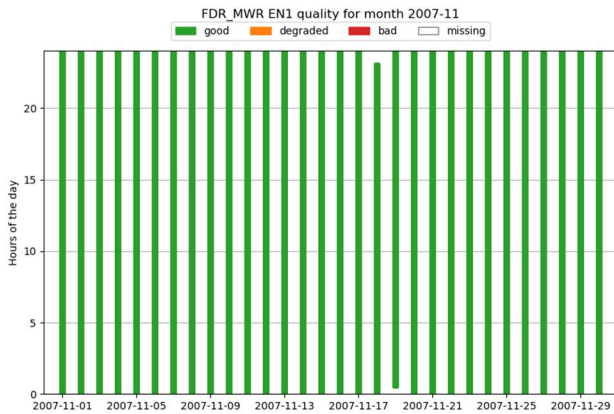
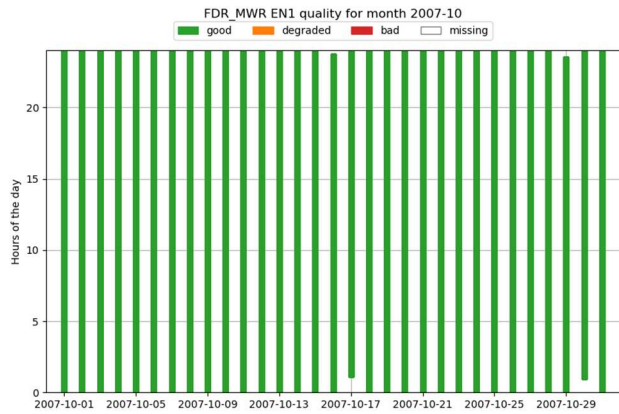
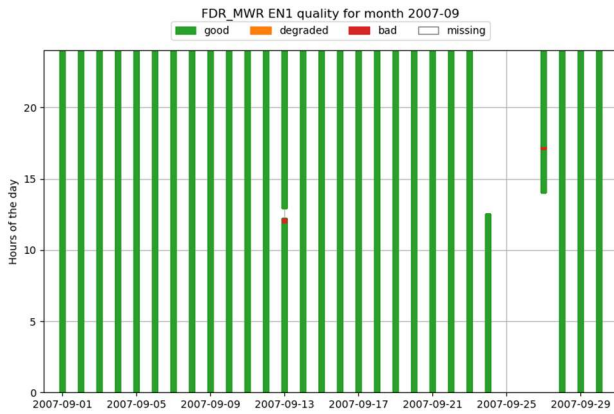
2.3.5 2006



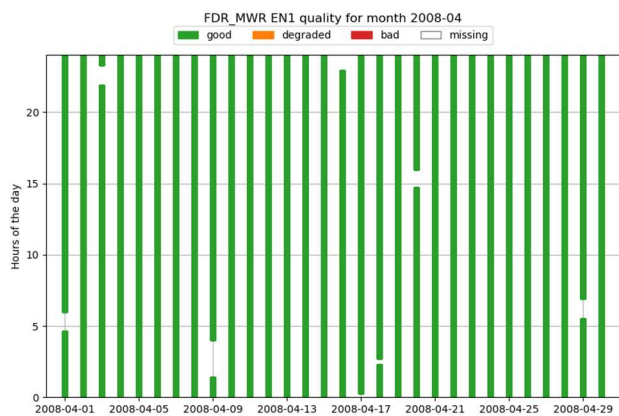
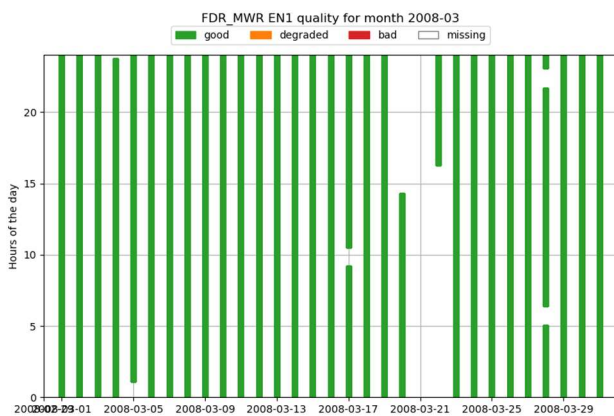
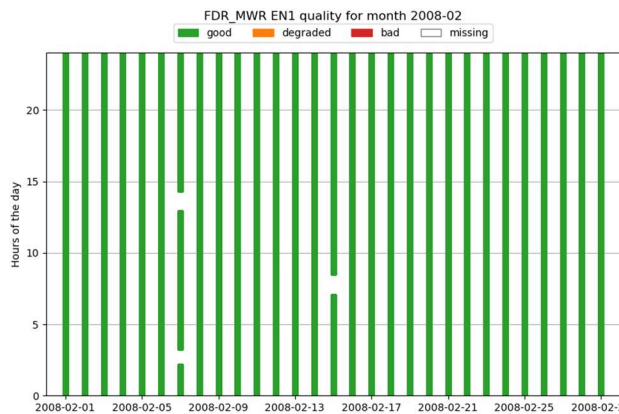
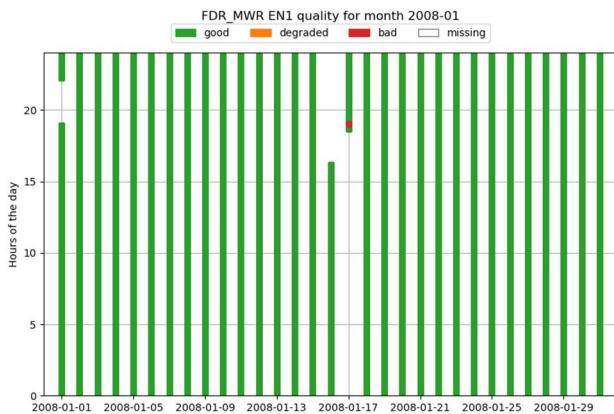


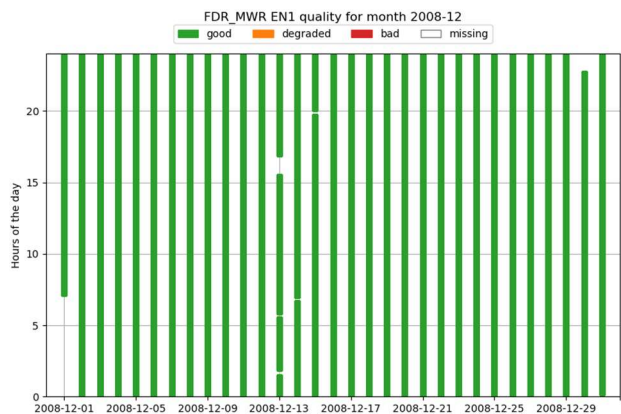
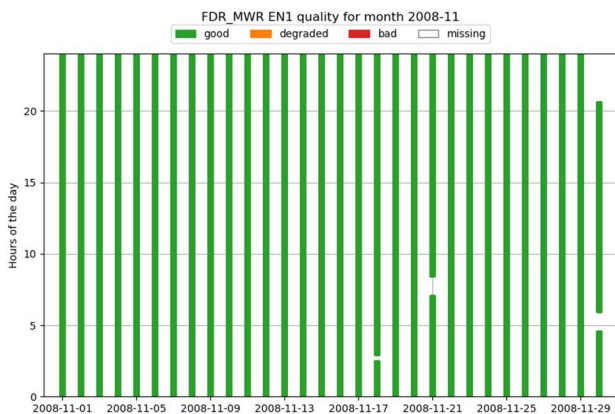
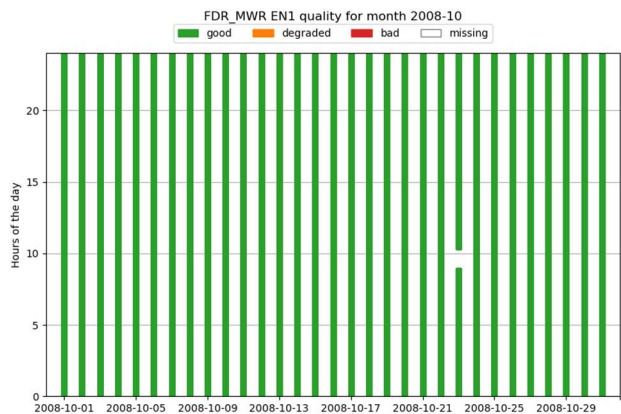
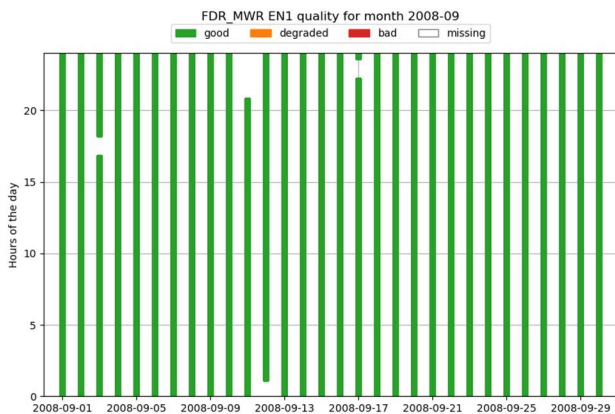
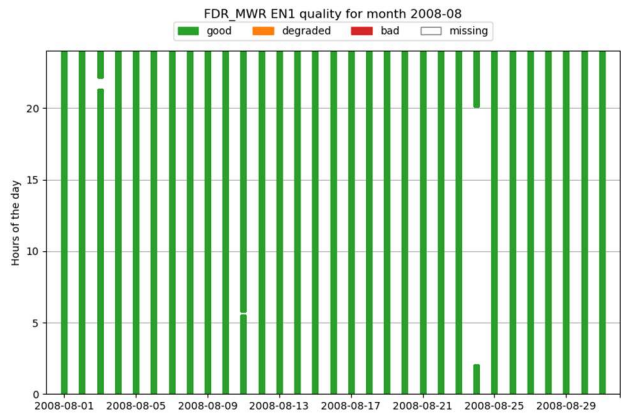
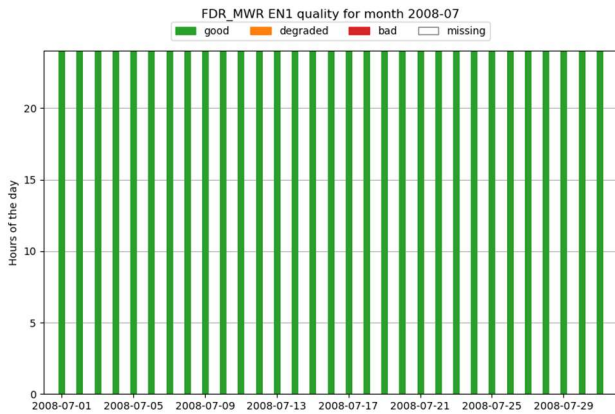
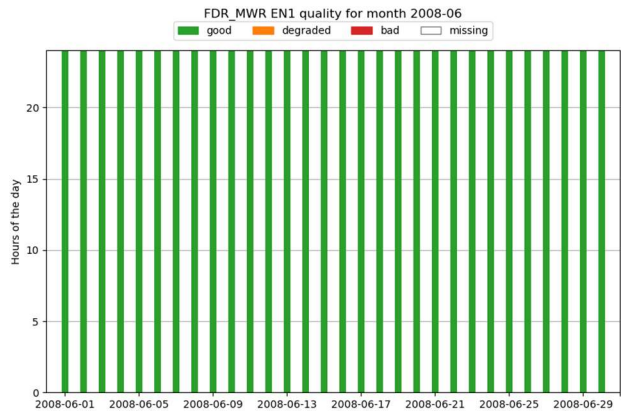
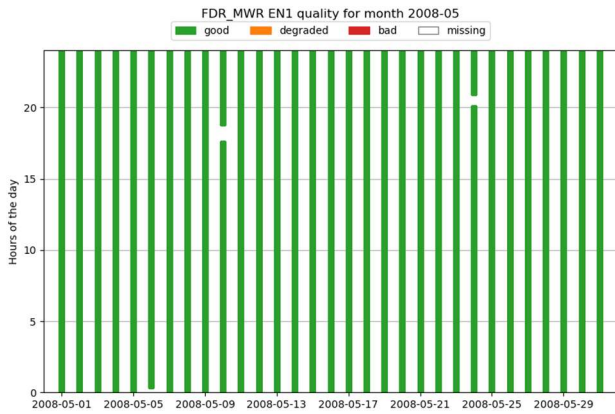
2.3.6 2007



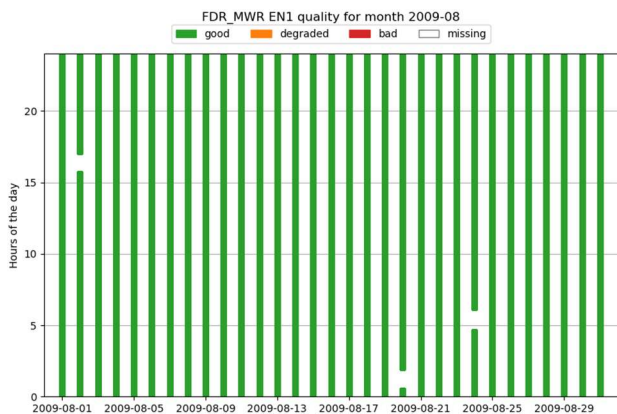
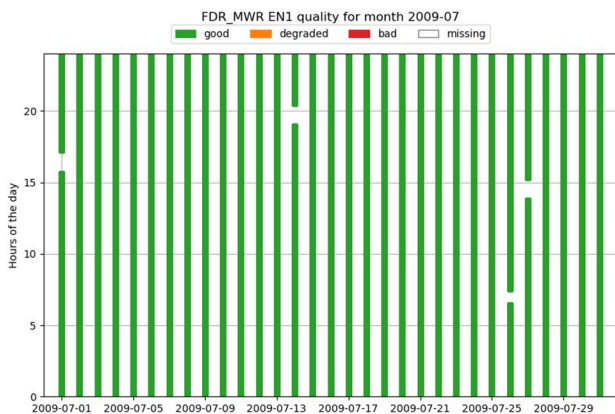
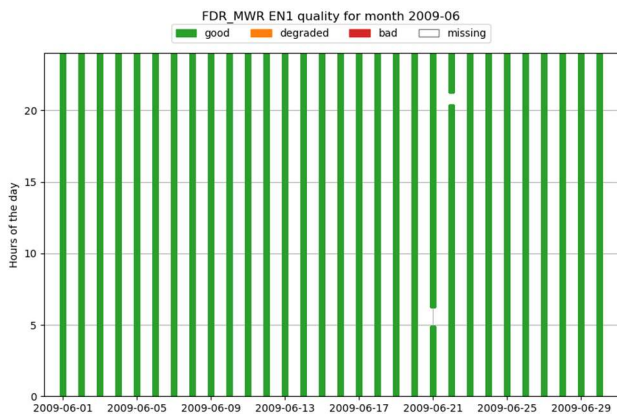
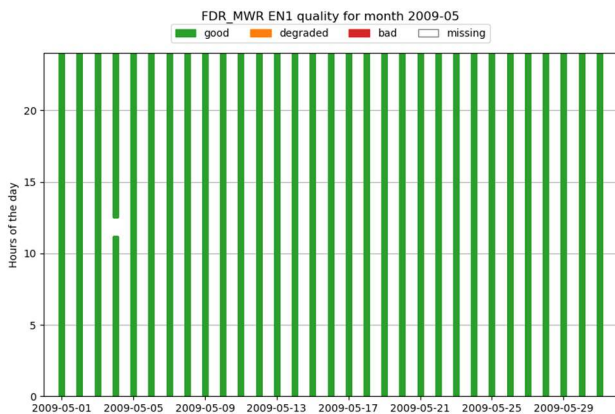
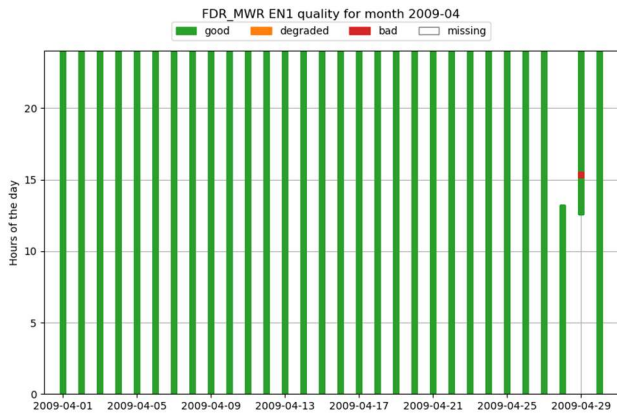
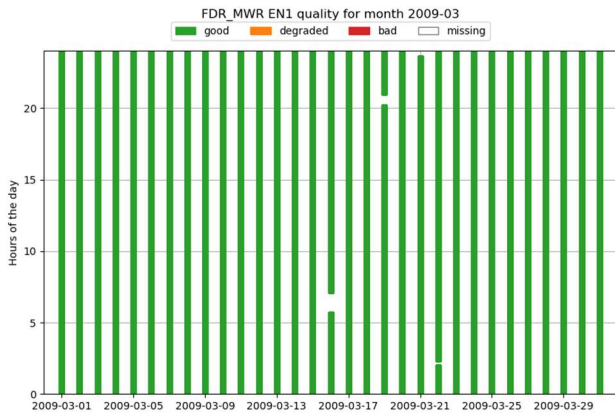
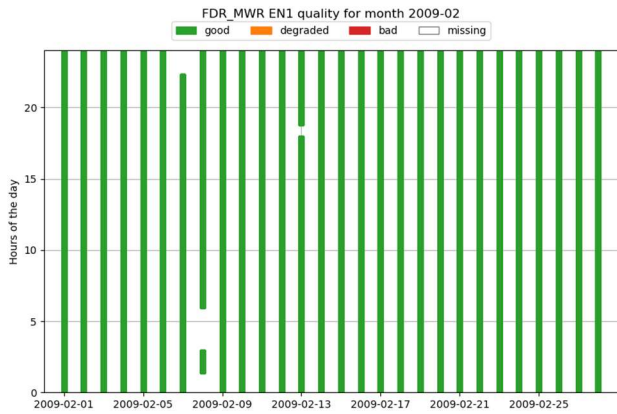
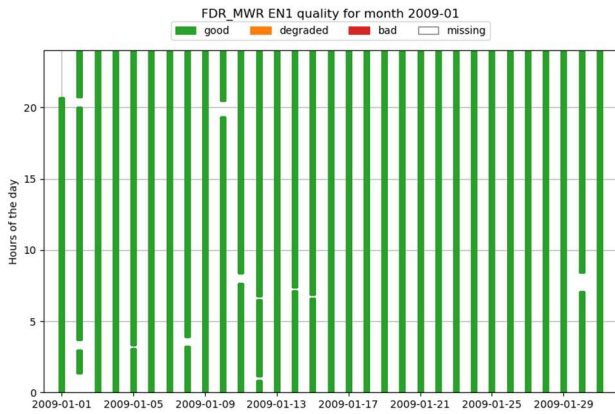


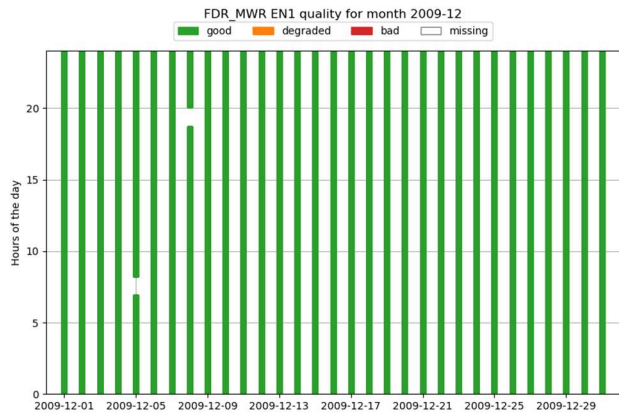
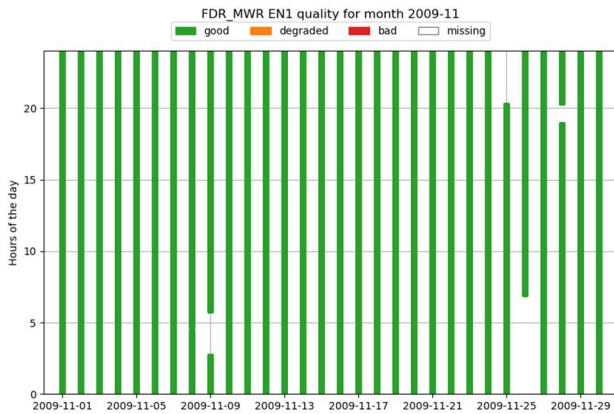
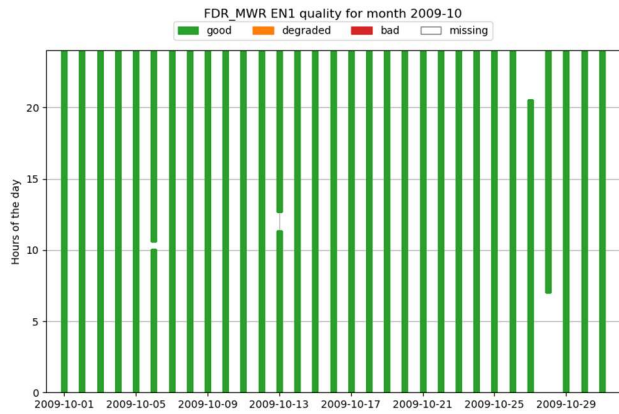
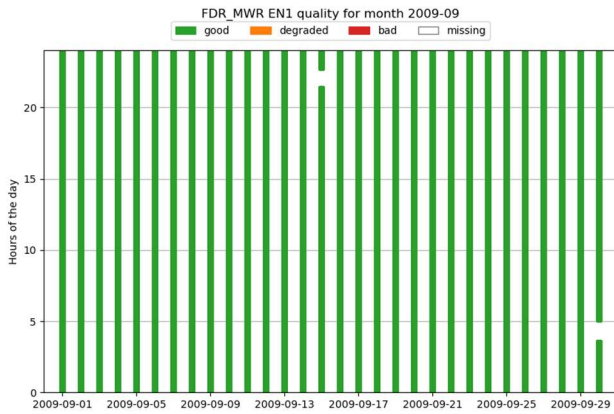
2.3.7 2008



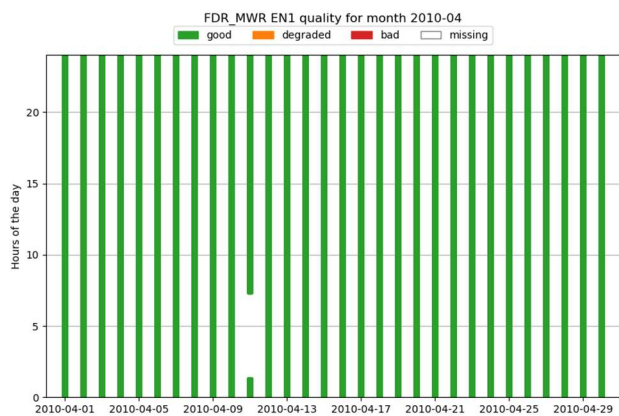
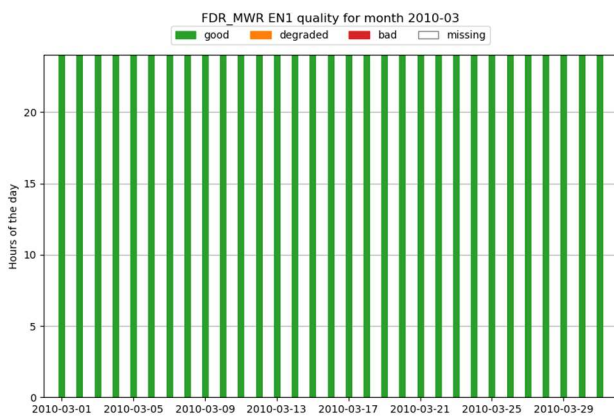
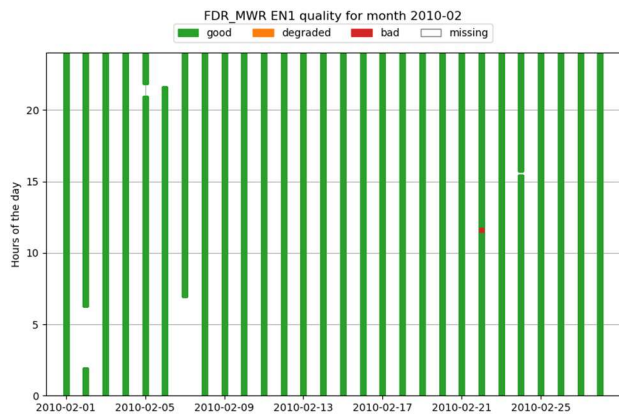
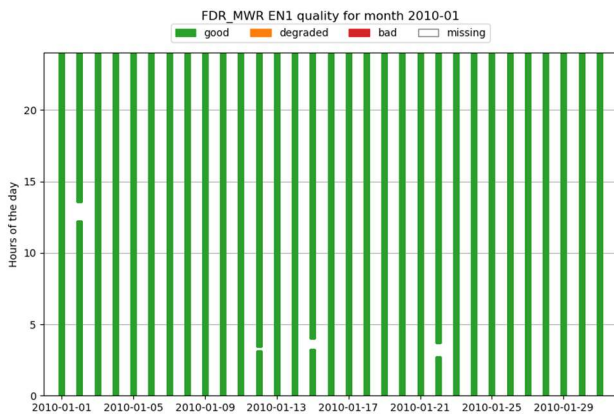


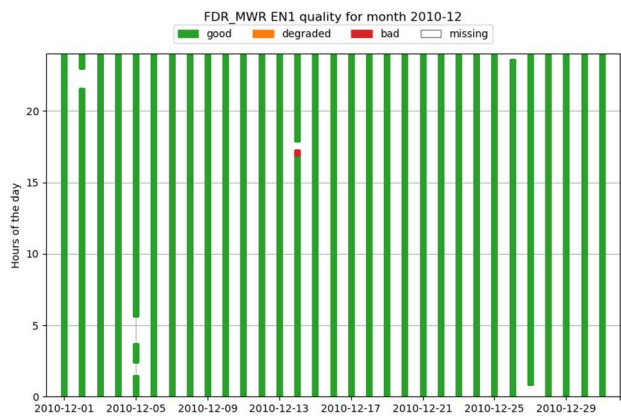
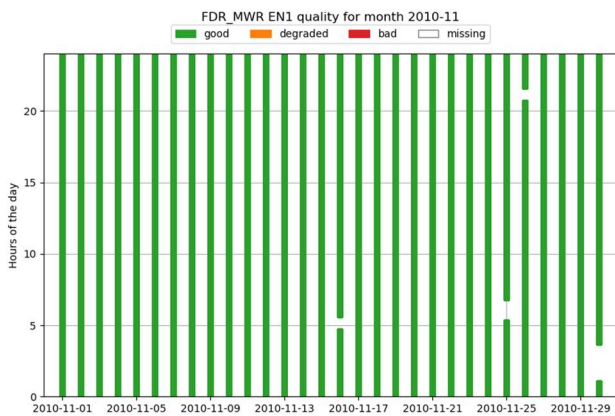
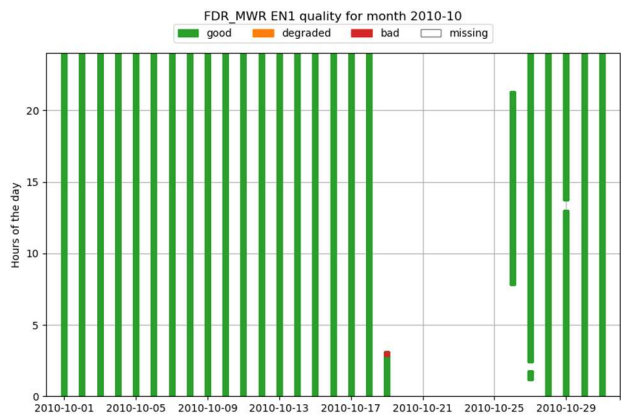
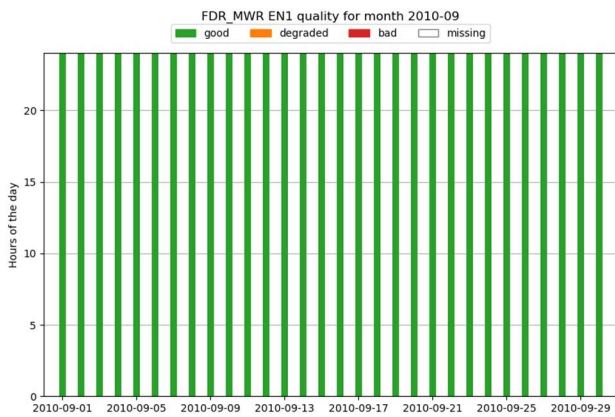
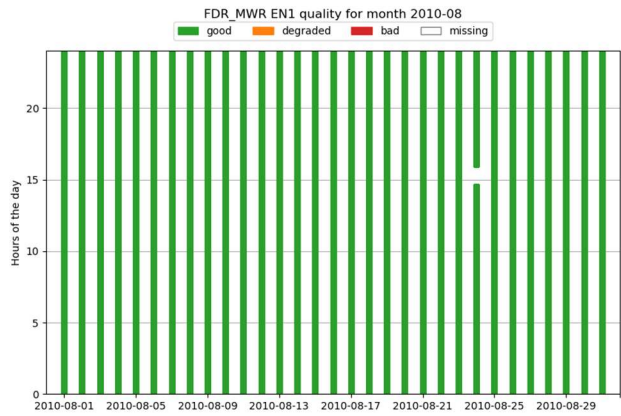
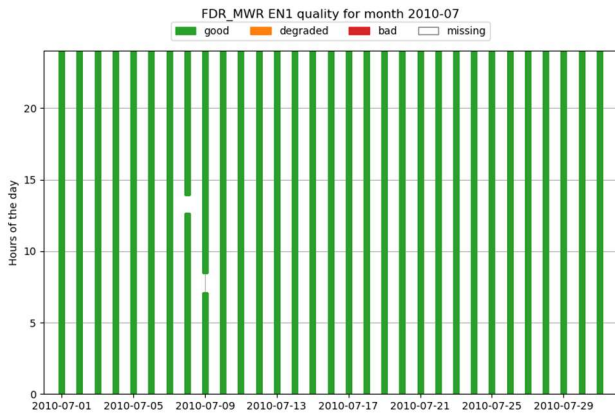
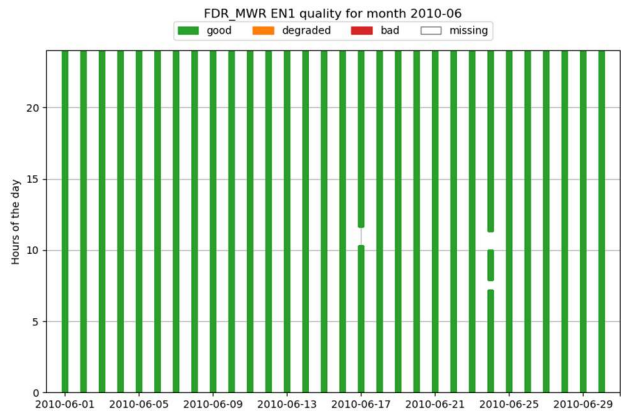
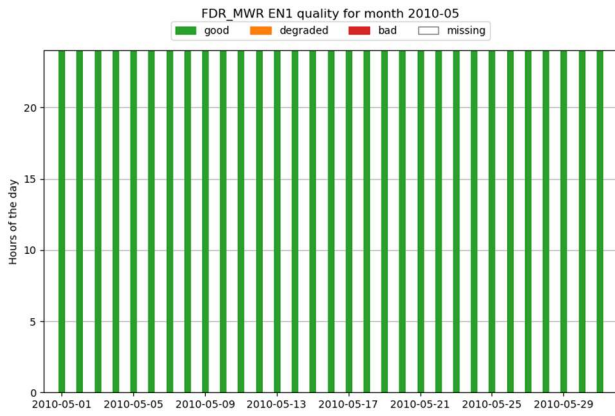
2.3.8 2009



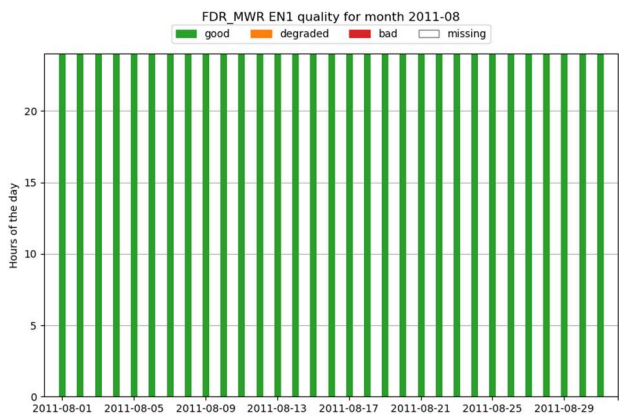
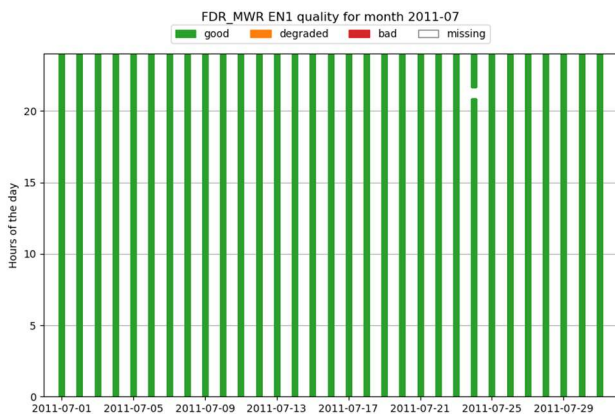
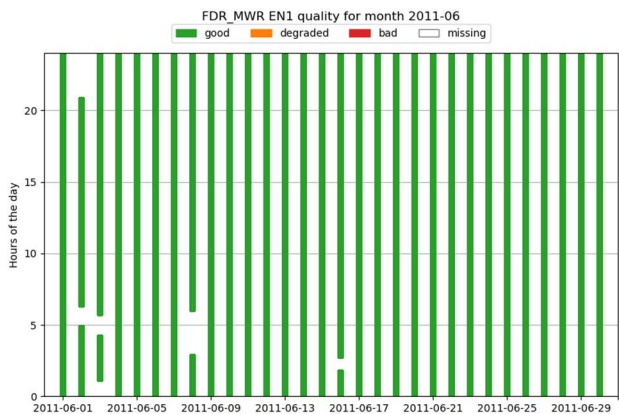
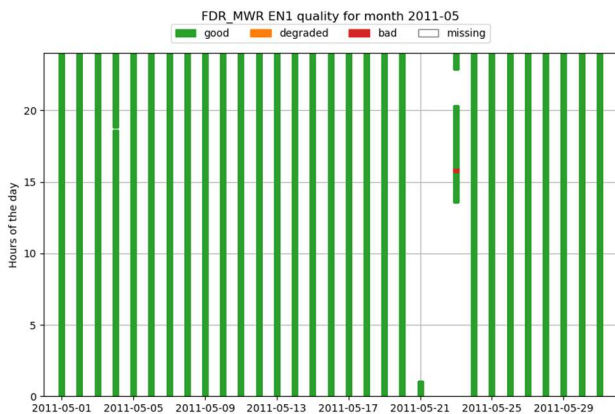
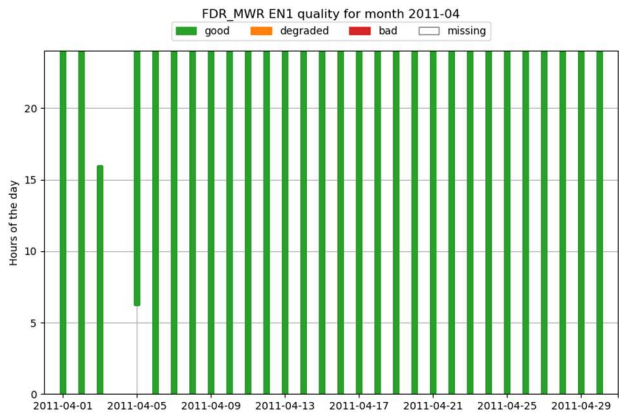
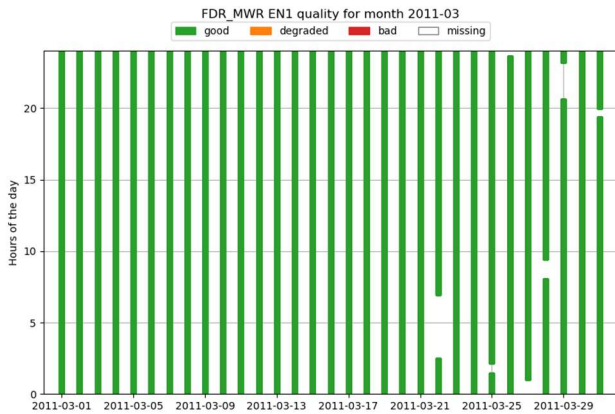
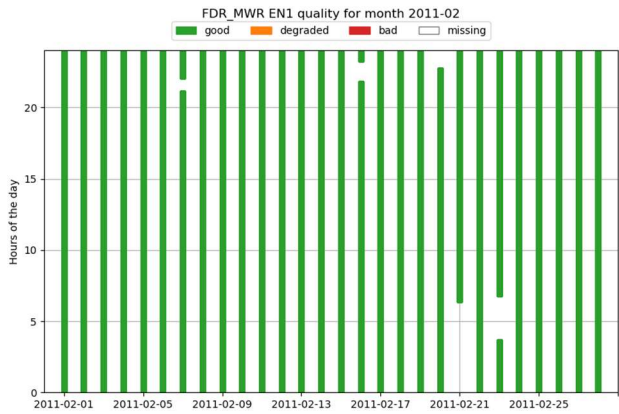
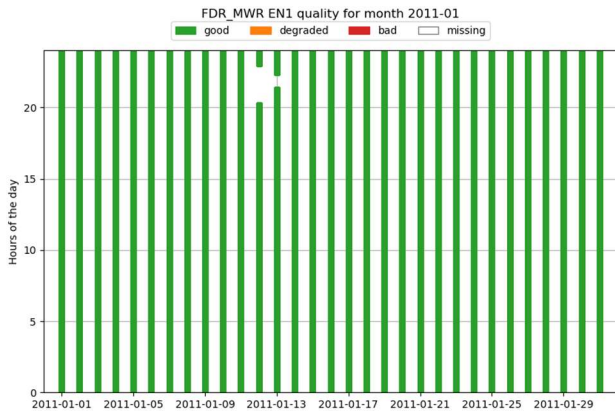


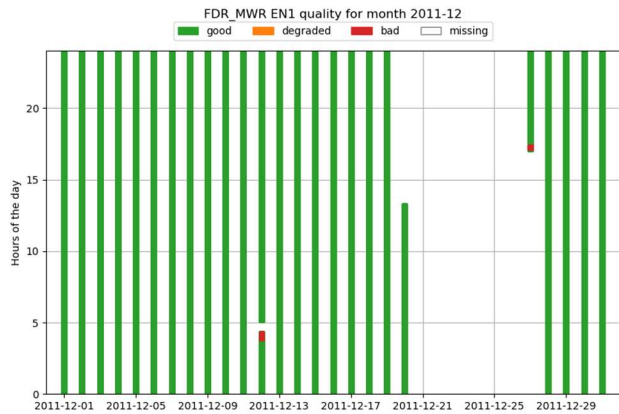
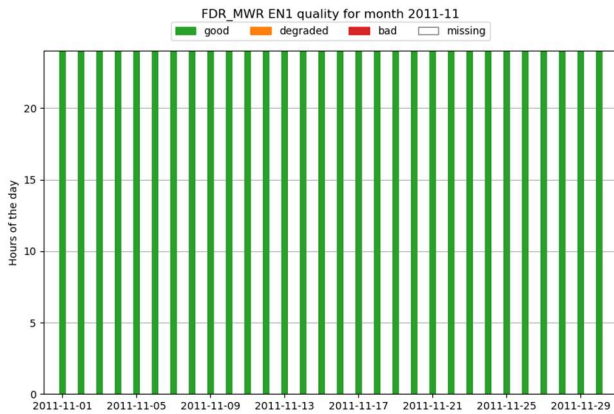
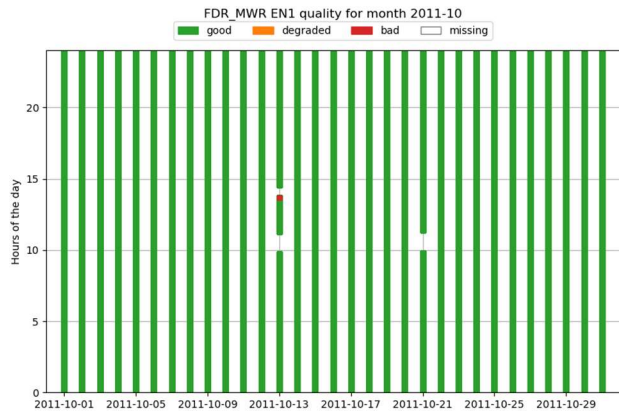
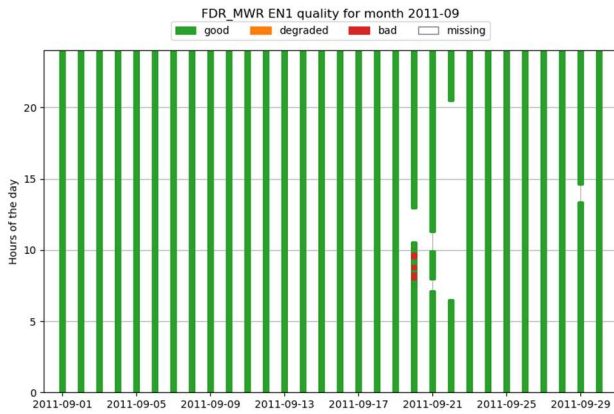
2.3.9 2010



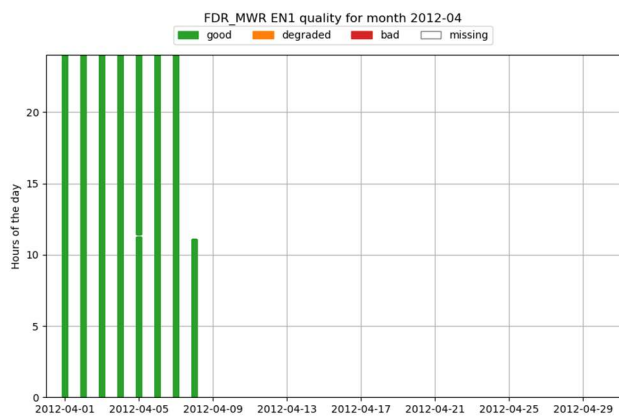
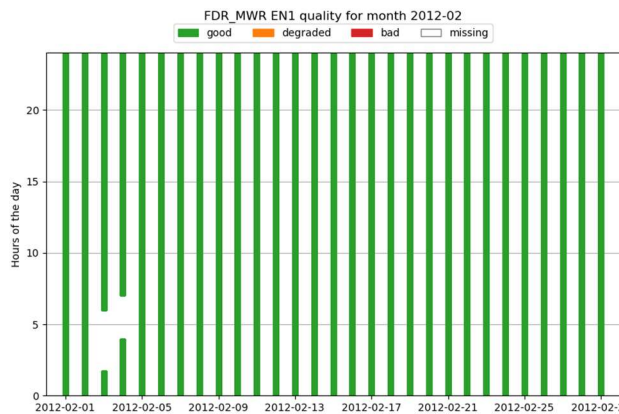
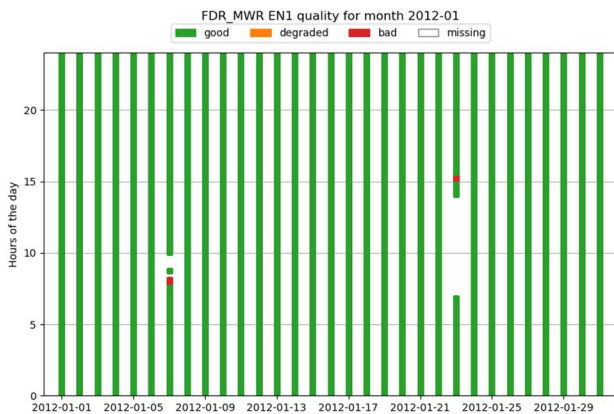


2.3.10 2011





2.3.11 2012



2.3.12 Unavailability reasons

cycle	pass	Start time	End time	Reason for unavailability
5	50	2002-04-10T14:38	2002-04-10T15:29	unexplained missing telemetry
5	103	2002-04-12T11:04	2002-04-12T11:55	unexplained missing telemetry
5	104	2002-04-12T11:15	2002-04-12T12:45	unexplained missing telemetry
5	105	2002-04-12T12:45	2002-04-12T13:35	unexplained missing telemetry
5	125	2002-04-13T05:31	2002-04-13T06:21	unexplained missing telemetry
5	166	2002-04-14T15:53	2002-04-14T16:43	unexplained missing telemetry
5	167	2002-04-14T16:43	2002-04-14T17:34	unexplained missing telemetry
5	168	2002-04-14T17:34	2002-04-14T18:24	unexplained missing telemetry
5	277	2002-04-18T12:56	2002-04-18T13:47	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	278	2002-04-18T13:47	2002-04-18T14:37	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	279	2002-04-18T14:37	2002-04-18T15:27	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	280	2002-04-18T15:27	2002-04-18T16:18	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	281	2002-04-18T16:18	2002-04-18T17:08	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	282	2002-04-18T17:08	2002-04-18T17:58	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	283	2002-04-18T17:58	2002-04-18T18:48	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	284	2002-04-18T18:48	2002-04-18T19:39	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	285	2002-04-18T19:39	2002-04-18T20:29	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	286	2002-04-18T20:29	2002-04-18T21:19	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	287	2002-04-18T21:19	2002-04-18T22:10	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	288	2002-04-18T22:10	2002-04-18T23:00	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	289	2002-04-18T23:00	2002-04-18T23:50	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	290	2002-04-18T23:50	2002-04-19T00:41	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	291	2002-04-19T00:41	2002-04-19T01:31	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	292	2002-04-19T01:31	2002-04-19T02:21	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	293	2002-04-19T02:21	2002-04-19T03:11	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	294	2002-04-19T03:11	2002-04-19T04:02	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	295	2002-04-19T04:02	2002-04-19T04:52	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	296	2002-04-19T04:52	2002-04-19T05:42	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	297	2002-04-19T05:42	2002-04-19T06:33	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	298	2002-04-19T06:33	2002-04-19T07:23	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	299	2002-04-19T07:23	2002-04-19T08:13	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	300	2002-04-19T08:13	2002-04-19T09:04	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	301	2002-04-19T09:04	2002-04-19T09:54	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	302	2002-04-19T09:54	2002-04-19T10:44	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	303	2002-04-19T10:44	2002-04-19T11:34	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	304	2002-04-19T11:34	2002-04-19T12:25	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	305	2002-04-19T12:25	2002-04-19T13:15	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	306	2002-04-19T13:15	2002-04-19T14:05	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	307	2002-04-19T14:05	2002-04-19T14:56	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	308	2002-04-19T14:56	2002-04-19T15:46	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	309	2002-04-19T15:46	2002-04-19T16:36	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	310	2002-04-19T16:36	2002-04-19T17:27	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	311	2002-04-19T17:27	2002-04-19T18:17	DORIS/MWR Instrument Control Unit (ICU) in Suspend M
5	346	2002-04-20T22:47	2002-04-20T23:37	unexplained missing telemetry
5	347	2002-04-20T23:37	2002-04-21T00:28	unexplained missing telemetry
5	348	2002-04-21T00:28	2002-04-21T01:18	unexplained missing telemetry
5	349	2002-04-21T01:18	2002-04-21T02:08	unexplained missing telemetry
5	374	2002-04-21T22:15	2002-04-21T23:06	unexplained missing telemetry
5	375	2002-04-21T23:06	2002-04-21T23:56	unexplained missing telemetry
5	418	2002-04-23T11:09	2002-04-23T11:59	unexplained missing telemetry
5	419	2002-04-23T11:59	2002-04-23T12:49	unexplained missing telemetry

5	420	2002-04-23T12:49	2002-04-23T13:39	unexplained missing telemetry
5	421	2002-04-23T13:39	2002-04-23T14:30	unexplained missing telemetry
5	422	2002-04-23T14:30	2002-04-23T15:20	unexplained missing telemetry
5	423	2002-04-23T15:20	2002-04-23T16:10	unexplained missing telemetry
5	426	2002-04-23T17:51	2002-04-23T18:41	unexplained missing telemetry
5	465	2002-04-25T02:33	2002-04-25T03:23	unexplained missing telemetry
5	645	2002-05-01T09:27	2002-05-01T10:17	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	646	2002-05-01T10:17	2002-05-01T11:07	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	647	2002-05-01T11:07	2002-05-01T11:58	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	648	2002-05-01T11:58	2002-05-01T12:48	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	649	2002-05-01T12:48	2002-05-01T13:38	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	650	2002-05-01T13:38	2002-05-01T14:28	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	651	2002-05-01T14:28	2002-05-01T15:19	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	652	2002-05-01T15:19	2002-05-01T16:09	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	653	2002-05-01T16:09	2002-05-01T16:59	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	654	2002-05-01T16:59	2002-05-01T17:50	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	655	2002-05-01T17:50	2002-05-01T18:40	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	656	2002-05-01T18:40	2002-05-01T19:30	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	657	2002-05-01T19:30	2002-05-01T20:21	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	658	2002-05-01T20:21	2002-05-01T21:11	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	659	2002-05-01T21:11	2002-05-01T22:01	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	660	2002-05-01T22:01	2002-05-01T22:51	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	661	2002-05-01T22:51	2002-05-01T23:42	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	662	2002-05-01T23:42	2002-05-02T00:32	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	663	2002-05-02T00:32	2002-05-02T01:22	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	664	2002-05-02T01:22	2002-05-02T02:13	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	665	2002-05-02T02:13	2002-05-02T03:03	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	666	2002-05-02T03:03	2002-05-02T03:53	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	667	2002-05-02T03:53	2002-05-02T04:44	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	668	2002-05-02T04:44	2002-05-02T05:34	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	669	2002-05-02T05:34	2002-05-02T06:24	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	670	2002-05-02T06:24	2002-05-02T07:14	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	671	2002-05-02T07:14	2002-05-02T08:05	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	672	2002-05-02T08:05	2002-05-02T08:55	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	673	2002-05-02T08:55	2002-05-02T09:45	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	674	2002-05-02T09:45	2002-05-02T10:36	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	675	2002-05-02T10:36	2002-05-02T11:26	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	676	2002-05-02T11:26	2002-05-02T12:16	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	677	2002-05-02T12:16	2002-05-02T13:07	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	678	2002-05-02T13:07	2002-05-02T13:57	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	679	2002-05-02T13:57	2002-05-02T14:47	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	680	2002-05-02T14:47	2002-05-02T15:37	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	681	2002-05-02T15:37	2002-05-02T16:28	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	682	2002-05-02T16:28	2002-05-02T17:18	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	683	2002-05-02T17:18	2002-05-02T18:08	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	684	2002-05-02T18:08	2002-05-02T18:59	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	685	2002-05-02T18:59	2002-05-02T19:49	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	686	2002-05-02T19:49	2002-05-02T20:39	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai

5	687	2002-05-02T20:39	2002-05-02T21:30	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	688	2002-05-02T21:30	2002-05-02T22:20	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	689	2002-05-02T22:20	2002-05-02T23:10	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	690	2002-05-02T23:10	2002-05-03T00:00	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	691	2002-05-03T00:00	2002-05-03T00:51	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	692	2002-05-03T00:51	2002-05-03T01:41	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	693	2002-05-03T01:41	2002-05-03T02:31	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	694	2002-05-03T02:31	2002-05-03T03:22	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	695	2002-05-03T03:22	2002-05-03T04:12	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	696	2002-05-03T04:12	2002-05-03T05:02	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	697	2002-05-03T05:02	2002-05-03T05:52	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	698	2002-05-03T05:52	2002-05-03T06:43	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	699	2002-05-03T06:43	2002-05-03T07:33	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	700	2002-05-03T07:33	2002-05-03T08:23	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	701	2002-05-03T08:23	2002-05-03T09:14	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	702	2002-05-03T09:14	2002-05-03T10:04	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	703	2002-05-03T10:04	2002-05-03T10:54	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	704	2002-05-03T10:54	2002-05-03T11:45	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	705	2002-05-03T11:45	2002-05-03T12:35	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	706	2002-05-03T12:35	2002-05-03T13:25	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	796	2002-05-06T16:02	2002-05-06T16:52	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	797	2002-05-06T16:52	2002-05-06T17:42	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	798	2002-05-06T17:42	2002-05-06T18:33	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	799	2002-05-06T18:33	2002-05-06T19:23	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	800	2002-05-06T19:23	2002-05-06T20:13	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	801	2002-05-06T20:13	2002-05-06T21:04	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	802	2002-05-06T21:04	2002-05-06T21:54	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	803	2002-05-06T21:54	2002-05-06T22:44	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	804	2002-05-06T22:44	2002-05-06T23:35	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	805	2002-05-06T23:35	2002-05-07T00:25	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	806	2002-05-07T00:25	2002-05-07T01:15	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	807	2002-05-07T01:15	2002-05-07T02:05	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	808	2002-05-07T02:05	2002-05-07T02:56	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	809	2002-05-07T02:56	2002-05-07T03:46	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	810	2002-05-07T03:46	2002-05-07T04:36	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	811	2002-05-07T04:36	2002-05-07T05:27	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	812	2002-05-07T05:27	2002-05-07T06:17	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	813	2002-05-07T06:17	2002-05-07T07:07	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	814	2002-05-07T07:07	2002-05-07T07:58	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	815	2002-05-07T07:58	2002-05-07T08:48	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	816	2002-05-07T08:48	2002-05-07T09:38	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	817	2002-05-07T09:38	2002-05-07T10:28	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	818	2002-05-07T10:28	2002-05-07T11:19	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	819	2002-05-07T11:19	2002-05-07T12:09	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	820	2002-05-07T12:09	2002-05-07T12:59	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	821	2002-05-07T12:59	2002-05-07T13:50	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	822	2002-05-07T13:50	2002-05-07T14:40	DORIS/MWR Instrument Control Unit (ICU) in Reset/Wai
5	837	2002-05-08T02:24	2002-05-08T03:14	unexplained missing telemetry

5	849	2002-05-08T12:28	2002-05-08T13:18	MWR switched off to solve datation problem
5	859	2002-05-08T20:51	2002-05-08T21:41	unexplained missing telemetry
5	860	2002-05-08T21:41	2002-05-08T22:31	unexplained missing telemetry
5	861	2002-05-08T22:31	2002-05-08T23:22	unexplained missing telemetry
5	905	2002-05-10T11:24	2002-05-10T12:15	unexplained missing telemetry
5	906	2002-05-10T12:15	2002-05-10T13:05	unexplained missing telemetry
5	934	2002-05-11T11:43	2002-05-11T12:33	unexplained missing telemetry
5	935	2002-05-11T12:33	2002-05-11T13:24	Payload switch off
5	936	2002-05-11T13:24	2002-05-11T14:14	Payload switch off
5	937	2002-05-11T14:14	2002-05-11T15:04	Payload switch off
5	938	2002-05-11T15:04	2002-05-11T15:55	Payload switch off
5	939	2002-05-11T15:55	2002-05-11T16:45	Payload switch off
5	940	2002-05-11T16:45	2002-05-11T17:35	Payload switch off
5	941	2002-05-11T17:35	2002-05-11T18:26	Payload switch off
5	942	2002-05-11T18:26	2002-05-11T19:16	Payload switch off
5	943	2002-05-11T19:16	2002-05-11T20:06	Payload switch off
5	944	2002-05-11T20:06	2002-05-11T20:56	Payload switch off
5	945	2002-05-11T20:56	2002-05-11T21:47	Payload switch off
5	946	2002-05-11T21:47	2002-05-11T22:37	Payload switch off
5	947	2002-05-11T22:37	2002-05-11T23:27	Payload switch off
5	948	2002-05-11T23:27	2002-05-12T00:18	Payload switch off
5	949	2002-05-12T00:18	2002-05-12T01:08	Payload switch off
5	950	2002-05-12T01:08	2002-05-12T01:58	Payload switch off
5	951	2002-05-12T01:58	2002-05-12T02:49	Payload switch off
5	952	2002-05-12T02:49	2002-05-12T03:39	Payload switch off
5	953	2002-05-12T03:39	2002-05-12T04:29	Payload switch off
5	954	2002-05-12T04:29	2002-05-12T05:19	Payload switch off
5	955	2002-05-12T05:19	2002-05-12T06:10	Payload switch off
5	956	2002-05-12T06:10	2002-05-12T07:00	Payload switch off
5	957	2002-05-12T07:00	2002-05-12T07:50	Payload switch off
5	958	2002-05-12T07:50	2002-05-12T08:41	Payload switch off
5	959	2002-05-12T08:41	2002-05-12T09:31	Payload switch off
5	960	2002-05-12T09:31	2002-05-12T10:21	Payload switch off
5	961	2002-05-12T10:21	2002-05-12T11:12	Payload switch off
5	962	2002-05-12T11:12	2002-05-12T12:02	Payload switch off
5	963	2002-05-12T12:02	2002-05-12T12:52	Payload switch off
5	964	2002-05-12T12:52	2002-05-12T13:42	Payload switch off
5	965	2002-05-12T13:42	2002-05-12T14:33	Payload switch off
5	966	2002-05-12T14:33	2002-05-12T15:23	Payload switch off
5	967	2002-05-12T15:23	2002-05-12T16:13	Payload switch off
5	968	2002-05-12T16:13	2002-05-12T17:04	Payload switch off
5	969	2002-05-12T17:04	2002-05-12T17:54	Payload switch off
5	970	2002-05-12T17:54	2002-05-12T18:44	Payload switch off
5	971	2002-05-12T18:44	2002-05-12T19:35	Payload switch off
5	972	2002-05-12T19:35	2002-05-12T20:25	Payload switch off
5	973	2002-05-12T20:25	2002-05-12T21:15	Payload switch off
5	974	2002-05-12T21:15	2002-05-12T22:05	Payload switch off
5	975	2002-05-12T22:05	2002-05-12T22:56	Payload switch off

5	976	2002-05-12T22:56	2002-05-12T23:46	Payload switch off
5	977	2002-05-12T23:46	2002-05-13T00:36	Payload switch off
5	978	2002-05-13T00:36	2002-05-13T01:27	Payload switch off
5	979	2002-05-13T01:27	2002-05-13T02:17	Payload switch off
5	980	2002-05-13T02:17	2002-05-13T03:07	Payload switch off
5	981	2002-05-13T03:07	2002-05-13T03:58	Payload switch off
5	982	2002-05-13T03:58	2002-05-13T04:48	Payload switch off
5	983	2002-05-13T04:48	2002-05-13T05:38	Payload switch off
5	984	2002-05-13T05:38	2002-05-13T06:28	Payload switch off
5	985	2002-05-13T06:28	2002-05-13T07:19	Payload switch off
5	986	2002-05-13T07:19	2002-05-13T08:09	Payload switch off
5	987	2002-05-13T08:09	2002-05-13T08:59	Payload switch off
5	988	2002-05-13T08:59	2002-05-13T09:50	Payload switch off
5	989	2002-05-13T09:50	2002-05-13T10:40	Payload switch off
5	990	2002-05-13T10:40	2002-05-13T11:30	Payload switch off
5	991	2002-05-13T11:30	2002-05-13T12:21	Payload switch off
5	992	2002-05-13T12:21	2002-05-13T13:11	Payload switch off
5	993	2002-05-13T13:11	2002-05-13T14:01	Payload switch off
5	994	2002-05-13T14:01	2002-05-13T14:51	Payload switch off
5	995	2002-05-13T14:51	2002-05-13T15:42	Payload switch off
5	996	2002-05-13T15:42	2002-05-13T16:32	Payload switch off
5	997	2002-05-13T16:32	2002-05-13T17:22	Payload switch off
5	998	2002-05-13T17:22	2002-05-13T18:13	Payload switch off
5	999	2002-05-13T18:13	2002-05-13T19:03	Payload switch off
5	1000	2002-05-13T19:03	2002-05-13T19:53	Payload switch off
5	1001	2002-05-13T19:53	2002-05-13T20:44	Payload switch off
5	1002	2002-05-13T20:44	2002-05-13T21:34	Payload switch off
6	1	2002-05-13T21:34	2002-05-13T22:24	Payload switch off
6	2	2002-05-13T22:24	2002-05-13T23:14	Payload switch off
6	3	2002-05-13T23:14	2002-05-14T00:05	Payload switch off
6	4	2002-05-14T00:05	2002-05-14T00:55	Payload switch off
6	5	2002-05-14T00:55	2002-05-14T01:45	Payload switch off
6	6	2002-05-14T01:45	2002-05-14T02:36	Payload switch off
6	7	2002-05-14T02:36	2002-05-14T03:26	Payload switch off
6	8	2002-05-14T03:26	2002-05-14T04:16	Payload switch off
6	9	2002-05-14T04:16	2002-05-14T05:07	Payload switch off
6	10	2002-05-14T05:07	2002-05-14T05:57	Payload switch off
6	11	2002-05-14T05:57	2002-05-14T06:47	Payload switch off
6	12	2002-05-14T06:47	2002-05-14T07:37	Payload switch off
6	13	2002-05-14T07:37	2002-05-14T08:28	Payload switch off
6	14	2002-05-14T08:28	2002-05-14T09:18	Payload switch off
6	15	2002-05-14T09:18	2002-05-14T10:08	Payload switch off
6	16	2002-05-14T10:08	2002-05-14T10:59	Payload switch off
6	17	2002-05-14T10:59	2002-05-14T11:49	Payload switch off
6	18	2002-05-14T11:49	2002-05-14T12:39	Payload switch off
6	19	2002-05-14T12:39	2002-05-14T13:30	Payload switch off
6	20	2002-05-14T13:30	2002-05-14T14:20	Payload switch off
6	21	2002-05-14T14:20	2002-05-14T15:10	Payload switch off

6	22	2002-05-14T15:10	2002-05-14T16:00	Payload switch off
6	23	2002-05-14T16:00	2002-05-14T16:51	Payload switch off
6	24	2002-05-14T16:51	2002-05-14T17:41	Payload switch off
6	25	2002-05-14T17:41	2002-05-14T18:31	Payload switch off
6	26	2002-05-14T18:31	2002-05-14T19:22	Payload switch off
6	27	2002-05-14T19:22	2002-05-14T20:12	Payload switch off
6	28	2002-05-14T20:12	2002-05-14T21:02	Payload switch off
6	29	2002-05-14T21:02	2002-05-14T21:53	Payload switch off
6	30	2002-05-14T21:53	2002-05-14T22:43	Payload switch off
6	31	2002-05-14T22:43	2002-05-14T23:33	Payload switch off
6	32	2002-05-14T23:33	2002-05-15T00:23	Payload switch off
6	33	2002-05-15T00:23	2002-05-15T01:14	Payload switch off
6	34	2002-05-15T01:14	2002-05-15T02:04	Payload switch off
6	35	2002-05-15T02:04	2002-05-15T02:54	Payload switch off
6	36	2002-05-15T02:54	2002-05-15T03:45	Payload switch off
6	37	2002-05-15T03:45	2002-05-15T04:35	Payload switch off
6	38	2002-05-15T04:35	2002-05-15T05:25	Payload switch off
6	39	2002-05-15T05:25	2002-05-15T06:16	Payload switch off
6	40	2002-05-15T06:16	2002-05-15T07:06	Payload switch off
6	41	2002-05-15T07:06	2002-05-15T07:56	Payload switch off
6	42	2002-05-15T07:56	2002-05-15T08:46	Payload switch off
6	43	2002-05-15T08:46	2002-05-15T09:37	Payload switch off
6	44	2002-05-15T09:37	2002-05-15T10:27	Payload switch off
6	45	2002-05-15T10:27	2002-05-15T11:17	Payload switch off
6	46	2002-05-15T11:17	2002-05-15T12:08	Payload switch off
6	47	2002-05-15T12:08	2002-05-15T12:58	Payload switch off
6	48	2002-05-15T12:58	2002-05-15T13:48	Payload switch off
6	49	2002-05-15T13:48	2002-05-15T14:39	Payload switch off
6	50	2002-05-15T14:39	2002-05-15T15:29	Payload switch off
6	51	2002-05-15T15:29	2002-05-15T16:19	Payload switch off
6	52	2002-05-15T16:19	2002-05-15T17:09	Payload switch off
6	53	2002-05-15T17:09	2002-05-15T18:00	Payload switch off
6	54	2002-05-15T18:00	2002-05-15T18:50	Payload switch off
6	55	2002-05-15T18:50	2002-05-15T19:40	Payload switch off
6	56	2002-05-15T19:40	2002-05-15T20:31	Payload switch off
6	57	2002-05-15T20:31	2002-05-15T21:21	Payload switch off
6	58	2002-05-15T21:21	2002-05-15T22:11	Payload switch off
6	59	2002-05-15T22:11	2002-05-15T23:02	Payload switch off
6	60	2002-05-15T23:02	2002-05-15T23:52	Payload switch off
6	61	2002-05-15T23:52	2002-05-16T00:42	Payload switch off
6	62	2002-05-16T00:42	2002-05-16T01:32	Payload switch off
6	63	2002-05-16T01:32	2002-05-16T02:23	Payload switch off
6	64	2002-05-16T02:23	2002-05-16T03:13	Payload switch off
6	65	2002-05-16T03:13	2002-05-16T04:03	Payload switch off
6	66	2002-05-16T04:03	2002-05-16T04:54	Payload switch off
6	67	2002-05-16T04:54	2002-05-16T05:44	Payload switch off
6	68	2002-05-16T05:44	2002-05-16T06:34	Payload switch off
6	69	2002-05-16T06:34	2002-05-16T07:25	Payload switch off

6	77	2002-05-16T13:17	2002-05-16T14:07	unexplained missing telemetry
6	78	2002-05-16T14:07	2002-05-16T14:57	unexplained missing telemetry
6	374	2002-05-26T22:16	2002-05-26T23:06	unexplained missing telemetry
6	375	2002-05-26T23:06	2002-05-26T23:56	unexplained missing telemetry
6	376	2002-05-26T23:56	2002-05-27T00:46	unexplained missing telemetry
6	377	2002-05-27T00:46	2002-05-27T01:37	unexplained missing telemetry
6	378	2002-05-27T01:37	2002-05-27T02:27	Payload switch off
6	379	2002-05-27T02:27	2002-05-27T03:17	Payload switch off
6	380	2002-05-27T03:17	2002-05-27T04:08	Payload switch off
6	381	2002-05-27T04:08	2002-05-27T04:58	Payload switch off
6	382	2002-05-27T04:58	2002-05-27T05:48	Payload switch off
6	383	2002-05-27T05:48	2002-05-27T06:39	Payload switch off
6	384	2002-05-27T06:39	2002-05-27T07:29	Payload switch off
6	385	2002-05-27T07:29	2002-05-27T08:19	Payload switch off
6	386	2002-05-27T08:19	2002-05-27T09:09	Payload switch off
6	387	2002-05-27T09:09	2002-05-27T10:00	Payload switch off
6	388	2002-05-27T10:00	2002-05-27T10:50	Payload switch off
6	389	2002-05-27T10:50	2002-05-27T11:40	Payload switch off
6	390	2002-05-27T11:40	2002-05-27T12:31	Payload switch off
6	391	2002-05-27T12:31	2002-05-27T13:21	Payload switch off
6	392	2002-05-27T13:21	2002-05-27T14:11	Payload switch off
6	393	2002-05-27T14:11	2002-05-27T15:02	Payload switch off
6	394	2002-05-27T15:02	2002-05-27T15:52	Payload switch off
6	395	2002-05-27T15:52	2002-05-27T16:42	Payload switch off
6	396	2002-05-27T16:42	2002-05-27T17:32	Payload switch off
6	397	2002-05-27T17:32	2002-05-27T18:23	Payload switch off
6	398	2002-05-27T18:23	2002-05-27T19:13	Payload switch off
6	399	2002-05-27T19:13	2002-05-27T20:03	Payload switch off
6	400	2002-05-27T20:03	2002-05-27T20:54	Payload switch off
6	401	2002-05-27T20:54	2002-05-27T21:44	Payload switch off
6	402	2002-05-27T21:44	2002-05-27T22:34	Payload switch off
6	403	2002-05-27T22:34	2002-05-27T23:25	Payload switch off
6	404	2002-05-27T23:25	2002-05-28T00:15	Payload switch off
6	405	2002-05-28T00:15	2002-05-28T01:05	Payload switch off
6	406	2002-05-28T01:05	2002-05-28T01:55	Payload switch off
6	407	2002-05-28T01:55	2002-05-28T02:46	Payload switch off
6	408	2002-05-28T02:46	2002-05-28T03:36	Payload switch off
6	409	2002-05-28T03:36	2002-05-28T04:26	Payload switch off
6	410	2002-05-28T04:26	2002-05-28T05:17	Payload switch off
6	411	2002-05-28T05:17	2002-05-28T06:07	Payload switch off
6	412	2002-05-28T06:07	2002-05-28T06:57	Payload switch off
6	413	2002-05-28T06:57	2002-05-28T07:48	Payload switch off
6	414	2002-05-28T07:48	2002-05-28T08:38	Payload switch off
6	415	2002-05-28T08:38	2002-05-28T09:28	Payload switch off
6	416	2002-05-28T09:28	2002-05-28T10:18	Payload switch off
6	417	2002-05-28T10:18	2002-05-28T11:09	Payload switch off
6	418	2002-05-28T11:09	2002-05-28T11:59	Payload switch off
6	419	2002-05-28T11:59	2002-05-28T12:49	Payload switch off

6	420	2002-05-28T12:49	2002-05-28T13:40	Payload switch off
6	421	2002-05-28T13:40	2002-05-28T14:30	Payload switch off
6	422	2002-05-28T14:30	2002-05-28T15:20	Payload switch off
6	423	2002-05-28T15:20	2002-05-28T16:10	Payload switch off
6	424	2002-05-28T16:10	2002-05-28T17:01	Payload switch off
6	425	2002-05-28T17:01	2002-05-28T17:51	Payload switch off
6	426	2002-05-28T17:51	2002-05-28T18:41	Payload switch off
6	427	2002-05-28T18:41	2002-05-28T19:32	Payload switch off
6	428	2002-05-28T19:32	2002-05-28T20:22	Payload switch off
6	429	2002-05-28T20:22	2002-05-28T21:12	Payload switch off
6	430	2002-05-28T21:12	2002-05-28T22:03	Payload switch off
6	431	2002-05-28T22:03	2002-05-28T22:53	Payload switch off
6	432	2002-05-28T22:53	2002-05-28T23:43	Payload switch off
6	433	2002-05-28T23:43	2002-05-29T00:33	Payload switch off
6	434	2002-05-29T00:33	2002-05-29T01:24	Payload switch off
6	435	2002-05-29T01:24	2002-05-29T02:14	Payload switch off
6	436	2002-05-29T02:14	2002-05-29T03:04	Payload switch off
6	437	2002-05-29T03:04	2002-05-29T03:55	Payload switch off
6	438	2002-05-29T03:55	2002-05-29T04:45	Payload switch off
6	439	2002-05-29T04:45	2002-05-29T05:35	Payload switch off
6	440	2002-05-29T05:35	2002-05-29T06:26	Payload switch off
6	441	2002-05-29T06:26	2002-05-29T07:16	Payload switch off
6	442	2002-05-29T07:16	2002-05-29T08:06	Payload switch off
6	443	2002-05-29T08:06	2002-05-29T08:56	Payload switch off
6	444	2002-05-29T08:56	2002-05-29T09:47	Payload switch off
6	445	2002-05-29T09:47	2002-05-29T10:37	Payload switch off
6	446	2002-05-29T10:37	2002-05-29T11:27	Payload switch off
6	447	2002-05-29T11:27	2002-05-29T12:18	Payload switch off
6	448	2002-05-29T12:18	2002-05-29T13:08	Payload switch off
6	449	2002-05-29T13:08	2002-05-29T13:58	Payload switch off
6	450	2002-05-29T13:58	2002-05-29T14:49	Payload switch off
6	451	2002-05-29T14:49	2002-05-29T15:39	Payload switch off
6	452	2002-05-29T15:39	2002-05-29T16:29	Payload switch off
6	453	2002-05-29T16:29	2002-05-29T17:19	Payload switch off
6	454	2002-05-29T17:19	2002-05-29T18:10	Payload switch off
6	455	2002-05-29T18:10	2002-05-29T19:00	Payload switch off
6	456	2002-05-29T19:00	2002-05-29T19:50	Payload switch off
6	457	2002-05-29T19:50	2002-05-29T20:41	Payload switch off
6	458	2002-05-29T20:41	2002-05-29T21:31	Payload switch off
6	459	2002-05-29T21:31	2002-05-29T22:21	Payload switch off
6	460	2002-05-29T22:21	2002-05-29T23:12	unexplained missing telemetry
6	461	2002-05-29T23:12	2002-05-30T00:02	unexplained missing telemetry
6	462	2002-05-30T00:02	2002-05-30T00:52	unexplained missing telemetry
6	463	2002-05-30T00:52	2002-05-30T01:42	unexplained missing telemetry
6	464	2002-05-30T01:42	2002-05-30T02:33	unexplained missing telemetry
6	465	2002-05-30T02:33	2002-05-30T03:23	unexplained missing telemetry
6	466	2002-05-30T03:23	2002-05-30T04:13	unexplained missing telemetry
6	467	2002-05-30T04:13	2002-05-30T05:04	unexplained missing telemetry

6	468	2002-05-30T05:04	2002-05-30T05:54	unexplained missing telemetry
6	469	2002-05-30T05:54	2002-05-30T06:44	unexplained missing telemetry
6	470	2002-05-30T06:44	2002-05-30T07:35	unexplained missing telemetry
6	471	2002-05-30T07:35	2002-05-30T08:25	unexplained missing telemetry
6	472	2002-05-30T08:25	2002-05-30T09:15	unexplained missing telemetry
6	473	2002-05-30T09:15	2002-05-30T10:05	unexplained missing telemetry
6	474	2002-05-30T10:05	2002-05-30T10:56	unexplained missing telemetry
6	475	2002-05-30T10:56	2002-05-30T11:46	unexplained missing telemetry
6	476	2002-05-30T11:46	2002-05-30T12:36	unexplained missing telemetry
6	477	2002-05-30T12:36	2002-05-30T13:27	unexplained missing telemetry
6	478	2002-05-30T13:27	2002-05-30T14:17	unexplained missing telemetry
6	479	2002-05-30T14:17	2002-05-30T15:07	unexplained missing telemetry
6	480	2002-05-30T15:07	2002-05-30T15:58	unexplained missing telemetry
6	481	2002-05-30T15:58	2002-05-30T16:48	unexplained missing telemetry
6	482	2002-05-30T16:48	2002-05-30T17:38	unexplained missing telemetry
6	658	2002-06-05T20:20	2002-06-05T21:11	unexplained missing telemetry
6	659	2002-06-05T21:11	2002-06-05T22:01	MWR out of measurement mode: Payload switch off
6	660	2002-06-05T22:01	2002-06-05T22:51	MWR out of measurement mode: Payload switch off
6	661	2002-06-05T22:51	2002-06-05T23:42	MWR out of measurement mode: Payload switch off
6	662	2002-06-05T23:42	2002-06-06T00:32	MWR out of measurement mode: Payload switch off
6	663	2002-06-06T00:32	2002-06-06T01:22	MWR out of measurement mode: Payload switch off
6	664	2002-06-06T01:22	2002-06-06T02:13	MWR out of measurement mode: Payload switch off
6	665	2002-06-06T02:13	2002-06-06T03:03	MWR out of measurement mode: Payload switch off
6	666	2002-06-06T03:03	2002-06-06T03:53	MWR out of measurement mode: Payload switch off
6	667	2002-06-06T03:53	2002-06-06T04:43	MWR out of measurement mode: Payload switch off
6	668	2002-06-06T04:43	2002-06-06T05:34	MWR out of measurement mode: Payload switch off
6	669	2002-06-06T05:34	2002-06-06T06:24	MWR out of measurement mode: Payload switch off
6	670	2002-06-06T06:24	2002-06-06T07:14	MWR out of measurement mode: Payload switch off
6	671	2002-06-06T07:14	2002-06-06T08:05	MWR out of measurement mode: Payload switch off
6	672	2002-06-06T08:05	2002-06-06T08:55	MWR out of measurement mode: Payload switch off
6	673	2002-06-06T08:55	2002-06-06T09:45	MWR out of measurement mode: Payload switch off
6	674	2002-06-06T09:45	2002-06-06T10:36	MWR out of measurement mode: Payload switch off
6	675	2002-06-06T10:36	2002-06-06T11:26	MWR out of measurement mode: Payload switch off
6	676	2002-06-06T11:26	2002-06-06T12:16	MWR out of measurement mode: Payload switch off
6	677	2002-06-06T12:16	2002-06-06T13:06	MWR out of measurement mode: Payload switch off
6	678	2002-06-06T13:06	2002-06-06T13:57	MWR out of measurement mode: Payload switch off
6	679	2002-06-06T13:57	2002-06-06T14:47	MWR out of measurement mode: Payload switch off
6	680	2002-06-06T14:47	2002-06-06T15:37	MWR out of measurement mode: Payload switch off
6	681	2002-06-06T15:37	2002-06-06T16:28	MWR out of measurement mode: Payload switch off
6	682	2002-06-06T16:28	2002-06-06T17:18	MWR out of measurement mode: Payload switch off
6	683	2002-06-06T17:18	2002-06-06T18:08	MWR out of measurement mode: Payload switch off
6	684	2002-06-06T18:08	2002-06-06T18:59	MWR out of measurement mode: Payload switch off
6	685	2002-06-06T18:59	2002-06-06T19:49	MWR out of measurement mode: Payload switch off
6	686	2002-06-06T19:49	2002-06-06T20:39	MWR out of measurement mode: Payload switch off
6	687	2002-06-06T20:39	2002-06-06T21:29	MWR out of measurement mode: Payload switch off
6	688	2002-06-06T21:29	2002-06-06T22:20	MWR out of measurement mode: Payload switch off
6	689	2002-06-06T22:20	2002-06-06T23:10	MWR out of measurement mode: Payload switch off
6	690	2002-06-06T23:10	2002-06-07T00:00	MWR out of measurement mode: Payload switch off

6	691	2002-06-07T00:00	2002-06-07T00:51	MWR out of measurement mode: Payload switch off
6	692	2002-06-07T00:51	2002-06-07T01:41	MWR out of measurement mode: Payload switch off
6	693	2002-06-07T01:41	2002-06-07T02:31	MWR out of measurement mode: Payload switch off
6	694	2002-06-07T02:31	2002-06-07T03:22	MWR out of measurement mode: Payload switch off
6	695	2002-06-07T03:22	2002-06-07T04:12	MWR out of measurement mode: Payload switch off
6	696	2002-06-07T04:12	2002-06-07T05:02	MWR out of measurement mode: Payload switch off
6	697	2002-06-07T05:02	2002-06-07T05:52	MWR out of measurement mode: Payload switch off
6	698	2002-06-07T05:52	2002-06-07T06:43	MWR out of measurement mode: Payload switch off
6	699	2002-06-07T06:43	2002-06-07T07:33	MWR out of measurement mode: Payload switch off
6	700	2002-06-07T07:33	2002-06-07T08:23	MWR out of measurement mode: Payload switch off
6	701	2002-06-07T08:23	2002-06-07T09:14	MWR out of measurement mode: Payload switch off
6	702	2002-06-07T09:14	2002-06-07T10:04	MWR out of measurement mode: Payload switch off
6	703	2002-06-07T10:04	2002-06-07T10:54	MWR out of measurement mode: Payload switch off
6	704	2002-06-07T10:54	2002-06-07T11:45	MWR out of measurement mode: Payload switch off
6	705	2002-06-07T11:45	2002-06-07T12:35	MWR out of measurement mode: Payload switch off
6	706	2002-06-07T12:35	2002-06-07T13:25	MWR out of measurement mode: Payload switch off
6	707	2002-06-07T13:25	2002-06-07T14:15	MWR out of measurement mode: Payload switch off
6	708	2002-06-07T14:15	2002-06-07T15:06	MWR out of measurement mode: Payload switch off
6	709	2002-06-07T15:06	2002-06-07T15:56	MWR out of measurement mode: Payload switch off
6	710	2002-06-07T15:56	2002-06-07T16:46	MWR out of measurement mode: Payload switch off
6	711	2002-06-07T16:46	2002-06-07T17:37	MWR out of measurement mode: Payload switch off
6	712	2002-06-07T17:37	2002-06-07T18:27	MWR out of measurement mode: Payload switch off
6	713	2002-06-07T18:27	2002-06-07T19:17	MWR out of measurement mode: Payload switch off
6	714	2002-06-07T19:17	2002-06-07T20:08	MWR out of measurement mode: Payload switch off
6	715	2002-06-07T20:08	2002-06-07T20:58	MWR out of measurement mode: Payload switch off
6	716	2002-06-07T20:58	2002-06-07T21:48	MWR out of measurement mode: Payload switch off
6	717	2002-06-07T21:48	2002-06-07T22:38	MWR out of measurement mode: Payload switch off
6	718	2002-06-07T22:38	2002-06-07T23:29	MWR out of measurement mode: Payload switch off
6	719	2002-06-07T23:29	2002-06-08T00:19	MWR out of measurement mode: Payload switch off
6	720	2002-06-08T00:19	2002-06-08T01:09	MWR out of measurement mode: Payload switch off
6	721	2002-06-08T01:09	2002-06-08T02:00	MWR out of measurement mode: Payload switch off
6	722	2002-06-08T02:00	2002-06-08T02:50	MWR out of measurement mode: Payload switch off
6	723	2002-06-08T02:50	2002-06-08T03:40	MWR out of measurement mode: Payload switch off
6	724	2002-06-08T03:40	2002-06-08T04:31	MWR out of measurement mode: Payload switch off
6	725	2002-06-08T04:31	2002-06-08T05:21	MWR out of measurement mode: Payload switch off
6	726	2002-06-08T05:21	2002-06-08T06:11	MWR out of measurement mode: Payload switch off
6	727	2002-06-08T06:11	2002-06-08T07:01	MWR out of measurement mode: Payload switch off
6	728	2002-06-08T07:01	2002-06-08T07:52	MWR out of measurement mode: Payload switch off
6	729	2002-06-08T07:52	2002-06-08T08:42	MWR out of measurement mode: Payload switch off
6	730	2002-06-08T08:42	2002-06-08T09:32	MWR out of measurement mode: Payload switch off
6	731	2002-06-08T09:32	2002-06-08T10:23	MWR out of measurement mode: Payload switch off
6	732	2002-06-08T10:23	2002-06-08T11:13	MWR out of measurement mode: Payload switch off
6	733	2002-06-08T11:13	2002-06-08T12:03	MWR out of measurement mode: Payload switch off
6	734	2002-06-08T12:03	2002-06-08T12:53	MWR out of measurement mode: Payload switch off
6	735	2002-06-08T12:53	2002-06-08T13:44	MWR out of measurement mode: Payload switch off
6	736	2002-06-08T13:44	2002-06-08T14:34	MWR out of measurement mode: Payload switch off
6	737	2002-06-08T14:34	2002-06-08T15:24	MWR out of measurement mode: Payload switch off
6	738	2002-06-08T15:24	2002-06-08T16:15	MWR out of measurement mode: Payload switch off

6	739	2002-06-08T16:15	2002-06-08T17:05	MWR out of measurement mode: Payload switch off
6	740	2002-06-08T17:05	2002-06-08T17:55	MWR out of measurement mode: Payload switch off
6	741	2002-06-08T17:55	2002-06-08T18:46	MWR out of measurement mode: Payload switch off
6	742	2002-06-08T18:46	2002-06-08T19:36	MWR out of measurement mode: Payload switch off
6	743	2002-06-08T19:36	2002-06-08T20:26	MWR out of measurement mode: Payload switch off
6	744	2002-06-08T20:26	2002-06-08T21:16	MWR out of measurement mode: Payload switch off
6	745	2002-06-08T21:16	2002-06-08T22:07	MWR out of measurement mode: Payload switch off
6	746	2002-06-08T22:07	2002-06-08T22:57	MWR out of measurement mode: Payload switch off
6	747	2002-06-08T22:57	2002-06-08T23:47	MWR out of measurement mode: Payload switch off
6	748	2002-06-08T23:47	2002-06-09T00:38	MWR out of measurement mode: Payload switch off
6	749	2002-06-09T00:38	2002-06-09T01:28	MWR out of measurement mode: Payload switch off
6	750	2002-06-09T01:28	2002-06-09T02:18	MWR out of measurement mode: Payload switch off
6	751	2002-06-09T02:18	2002-06-09T03:09	MWR out of measurement mode: Payload switch off
6	752	2002-06-09T03:09	2002-06-09T03:59	MWR out of measurement mode: Payload switch off
6	753	2002-06-09T03:59	2002-06-09T04:49	MWR out of measurement mode: Payload switch off
6	754	2002-06-09T04:49	2002-06-09T05:39	MWR out of measurement mode: Payload switch off
6	755	2002-06-09T05:39	2002-06-09T06:30	MWR out of measurement mode: Payload switch off
6	756	2002-06-09T06:30	2002-06-09T07:20	MWR out of measurement mode: Payload switch off
6	757	2002-06-09T07:20	2002-06-09T08:10	MWR out of measurement mode: Payload switch off
6	758	2002-06-09T08:10	2002-06-09T09:01	MWR out of measurement mode: Payload switch off
6	759	2002-06-09T09:01	2002-06-09T09:51	MWR out of measurement mode: Payload switch off
6	760	2002-06-09T09:51	2002-06-09T10:41	MWR out of measurement mode: Payload switch off
6	761	2002-06-09T10:41	2002-06-09T11:32	MWR out of measurement mode: Payload switch off
6	762	2002-06-09T11:32	2002-06-09T12:22	MWR out of measurement mode: Payload switch off
6	763	2002-06-09T12:22	2002-06-09T13:12	MWR out of measurement mode: Payload switch off
6	764	2002-06-09T13:12	2002-06-09T14:02	MWR out of measurement mode: Payload switch off
6	765	2002-06-09T14:02	2002-06-09T14:53	MWR out of measurement mode: Payload switch off
6	766	2002-06-09T14:53	2002-06-09T15:43	MWR out of measurement mode: Payload switch off
6	767	2002-06-09T15:43	2002-06-09T16:33	MWR out of measurement mode: Payload switch off
6	768	2002-06-09T16:33	2002-06-09T17:24	MWR out of measurement mode: Payload switch off
6	769	2002-06-09T17:24	2002-06-09T18:14	MWR out of measurement mode: Payload switch off
6	770	2002-06-09T18:14	2002-06-09T19:04	MWR out of measurement mode: Payload switch off
6	771	2002-06-09T19:04	2002-06-09T19:55	MWR out of measurement mode: Payload switch off
6	772	2002-06-09T19:55	2002-06-09T20:45	MWR out of measurement mode: Payload switch off
6	773	2002-06-09T20:45	2002-06-09T21:35	MWR out of measurement mode: Payload switch off
6	774	2002-06-09T21:35	2002-06-09T22:25	MWR out of measurement mode: Payload switch off
6	775	2002-06-09T22:25	2002-06-09T23:16	MWR out of measurement mode: Payload switch off
6	776	2002-06-09T23:16	2002-06-10T00:06	MWR out of measurement mode: Payload switch off
6	777	2002-06-10T00:06	2002-06-10T00:56	MWR out of measurement mode: Payload switch off
6	778	2002-06-10T00:56	2002-06-10T01:47	MWR out of measurement mode: Payload switch off
6	779	2002-06-10T01:47	2002-06-10T02:37	MWR out of measurement mode: Payload switch off
6	780	2002-06-10T02:37	2002-06-10T03:27	MWR out of measurement mode: Payload switch off
6	781	2002-06-10T03:27	2002-06-10T04:18	MWR out of measurement mode: Payload switch off
6	782	2002-06-10T04:18	2002-06-10T05:08	MWR out of measurement mode: Payload switch off
6	783	2002-06-10T05:08	2002-06-10T05:58	MWR out of measurement mode: Payload switch off
6	784	2002-06-10T05:58	2002-06-10T06:48	MWR out of measurement mode: Payload switch off
6	785	2002-06-10T06:48	2002-06-10T07:39	MWR out of measurement mode: Payload switch off
6	786	2002-06-10T07:39	2002-06-10T08:29	MWR out of measurement mode: Payload switch off

6	787	2002-06-10T08:29	2002-06-10T09:19	MWR out of measurement mode: Payload switch off
6	788	2002-06-10T09:19	2002-06-10T10:10	MWR out of measurement mode: Payload switch off
6	789	2002-06-10T10:10	2002-06-10T11:00	MWR out of measurement mode: Payload switch off
6	790	2002-06-10T11:00	2002-06-10T11:50	MWR out of measurement mode: Payload switch off
6	791	2002-06-10T11:50	2002-06-10T12:41	MWR out of measurement mode: Payload switch off
6	792	2002-06-10T12:41	2002-06-10T13:31	MWR out of measurement mode: Payload switch off
6	793	2002-06-10T13:31	2002-06-10T14:21	MWR out of measurement mode: Payload switch off
6	794	2002-06-10T14:21	2002-06-10T15:11	MWR out of measurement mode: Payload switch off
6	795	2002-06-10T15:11	2002-06-10T16:02	MWR out of measurement mode: Payload switch off
6	796	2002-06-10T16:02	2002-06-10T16:52	MWR out of measurement mode: Payload switch off
6	797	2002-06-10T16:52	2002-06-10T17:42	MWR out of measurement mode: Payload switch off
6	798	2002-06-10T17:42	2002-06-10T18:33	MWR out of measurement mode: Payload switch off
6	799	2002-06-10T18:33	2002-06-10T19:23	MWR out of measurement mode: Payload switch off
6	800	2002-06-10T19:23	2002-06-10T20:13	MWR out of measurement mode: Payload switch off
6	801	2002-06-10T20:13	2002-06-10T21:04	MWR out of measurement mode: Payload switch off
6	802	2002-06-10T21:04	2002-06-10T21:54	MWR out of measurement mode: Payload switch off
6	803	2002-06-10T21:54	2002-06-10T22:44	MWR out of measurement mode: Payload switch off
6	804	2002-06-10T22:44	2002-06-10T23:34	MWR out of measurement mode: Payload switch off
6	805	2002-06-10T23:34	2002-06-11T00:25	MWR out of measurement mode: Payload switch off
6	806	2002-06-11T00:25	2002-06-11T01:15	MWR out of measurement mode: Payload switch off
6	807	2002-06-11T01:15	2002-06-11T02:05	MWR out of measurement mode: Payload switch off
6	808	2002-06-11T02:05	2002-06-11T02:56	MWR out of measurement mode: Payload switch off
6	809	2002-06-11T02:56	2002-06-11T03:46	MWR out of measurement mode: Payload switch off
6	810	2002-06-11T03:46	2002-06-11T04:36	MWR out of measurement mode: Payload switch off
6	811	2002-06-11T04:36	2002-06-11T05:27	MWR out of measurement mode: Payload switch off
6	812	2002-06-11T05:27	2002-06-11T06:17	MWR out of measurement mode: Payload switch off
6	813	2002-06-11T06:17	2002-06-11T07:07	MWR out of measurement mode: Payload switch off
6	814	2002-06-11T07:07	2002-06-11T07:57	MWR out of measurement mode: Payload switch off
6	815	2002-06-11T07:57	2002-06-11T08:48	MWR out of measurement mode: Payload switch off
6	816	2002-06-11T08:48	2002-06-11T09:38	MWR out of measurement mode: Payload switch off
6	817	2002-06-11T09:38	2002-06-11T10:28	MWR out of measurement mode: Payload switch off
6	818	2002-06-11T10:28	2002-06-11T11:19	MWR out of measurement mode: Payload switch off
6	819	2002-06-11T11:19	2002-06-11T12:09	MWR out of measurement mode: Payload switch off
6	820	2002-06-11T12:09	2002-06-11T12:59	MWR out of measurement mode: Payload switch off
6	821	2002-06-11T12:59	2002-06-11T13:49	MWR out of measurement mode: Payload switch off
6	822	2002-06-11T13:49	2002-06-11T14:40	MWR out of measurement mode: Payload switch off
6	948	2002-06-15T23:27	2002-06-16T00:18	unexplained missing telemetry
6	949	2002-06-16T00:18	2002-06-16T01:08	unexplained missing telemetry
7	230	2002-06-25T21:32	2002-06-25T22:23	unexplained missing telemetry
7	231	2002-06-25T22:23	2002-06-25T23:13	unexplained missing telemetry
7	232	2002-06-25T23:13	2002-06-26T00:03	unexplained missing telemetry
7	233	2002-06-26T00:03	2002-06-26T00:54	unexplained missing telemetry
7	234	2002-06-26T00:54	2002-06-26T01:44	unexplained missing telemetry
7	241	2002-06-26T06:46	2002-06-26T07:36	unexplained missing telemetry
7	529	2002-07-06T08:12	2002-07-06T09:02	DORIS/MWR ICU switched down
7	530	2002-07-06T09:02	2002-07-06T09:53	DORIS/MWR ICU switched down
7	531	2002-07-06T09:53	2002-07-06T10:43	DORIS/MWR ICU switched down
7	532	2002-07-06T10:43	2002-07-06T11:33	DORIS/MWR ICU switched down

7	533	2002-07-06T11:33	2002-07-06T12:23	DORIS/MWR ICU switched down
7	534	2002-07-06T12:23	2002-07-06T13:14	DORIS/MWR ICU switched down
7	535	2002-07-06T13:14	2002-07-06T14:04	DORIS/MWR ICU switched down
7	536	2002-07-06T14:04	2002-07-06T14:54	DORIS/MWR ICU switched down
7	537	2002-07-06T14:54	2002-07-06T15:45	DORIS/MWR ICU switched down
7	538	2002-07-06T15:45	2002-07-06T16:35	DORIS/MWR ICU switched down
7	539	2002-07-06T16:35	2002-07-06T17:25	DORIS/MWR ICU switched down
7	540	2002-07-06T17:25	2002-07-06T18:16	DORIS/MWR ICU switched down
7	541	2002-07-06T18:16	2002-07-06T19:06	DORIS/MWR ICU switched down
7	542	2002-07-06T19:06	2002-07-06T19:56	DORIS/MWR ICU switched down
7	543	2002-07-06T19:56	2002-07-06T20:46	DORIS/MWR ICU switched down
7	544	2002-07-06T20:46	2002-07-06T21:37	DORIS/MWR ICU switched down
7	545	2002-07-06T21:37	2002-07-06T22:27	DORIS/MWR ICU switched down
7	546	2002-07-06T22:27	2002-07-06T23:17	DORIS/MWR ICU switched down
7	547	2002-07-06T23:17	2002-07-07T00:08	DORIS/MWR ICU switched down
7	548	2002-07-07T00:08	2002-07-07T00:58	DORIS/MWR ICU switched down
7	549	2002-07-07T00:58	2002-07-07T01:48	DORIS/MWR ICU switched down
7	550	2002-07-07T01:48	2002-07-07T02:39	DORIS/MWR ICU switched down
7	551	2002-07-07T02:39	2002-07-07T03:29	DORIS/MWR ICU switched down
7	552	2002-07-07T03:29	2002-07-07T04:19	DORIS/MWR ICU switched down
7	553	2002-07-07T04:19	2002-07-07T05:09	DORIS/MWR ICU switched down
7	554	2002-07-07T05:09	2002-07-07T06:00	DORIS/MWR ICU switched down
7	555	2002-07-07T06:00	2002-07-07T06:50	DORIS/MWR ICU switched down
7	556	2002-07-07T06:50	2002-07-07T07:40	DORIS/MWR ICU switched down
7	557	2002-07-07T07:40	2002-07-07T08:31	DORIS/MWR ICU switched down
7	558	2002-07-07T08:31	2002-07-07T09:21	DORIS/MWR ICU switched down
7	559	2002-07-07T09:21	2002-07-07T10:11	DORIS/MWR ICU switched down
7	560	2002-07-07T10:11	2002-07-07T11:02	DORIS/MWR ICU switched down
7	561	2002-07-07T11:02	2002-07-07T11:52	DORIS/MWR ICU switched down
7	562	2002-07-07T11:52	2002-07-07T12:42	DORIS/MWR ICU switched down
7	563	2002-07-07T12:42	2002-07-07T13:32	DORIS/MWR ICU switched down
7	564	2002-07-07T13:32	2002-07-07T14:23	DORIS/MWR ICU switched down
7	565	2002-07-07T14:23	2002-07-07T15:13	DORIS/MWR ICU switched down
7	566	2002-07-07T15:13	2002-07-07T16:03	DORIS/MWR ICU switched down
7	567	2002-07-07T16:03	2002-07-07T16:54	DORIS/MWR ICU switched down
7	568	2002-07-07T16:54	2002-07-07T17:44	DORIS/MWR ICU switched down
7	569	2002-07-07T17:44	2002-07-07T18:34	DORIS/MWR ICU switched down
7	570	2002-07-07T18:34	2002-07-07T19:25	DORIS/MWR ICU switched down
7	571	2002-07-07T19:25	2002-07-07T20:15	DORIS/MWR ICU switched down
7	572	2002-07-07T20:15	2002-07-07T21:05	DORIS/MWR ICU switched down
7	573	2002-07-07T21:05	2002-07-07T21:55	DORIS/MWR ICU switched down
7	574	2002-07-07T21:55	2002-07-07T22:46	DORIS/MWR ICU switched down
7	575	2002-07-07T22:46	2002-07-07T23:36	DORIS/MWR ICU switched down
7	576	2002-07-07T23:36	2002-07-08T00:26	DORIS/MWR ICU switched down
7	577	2002-07-08T00:26	2002-07-08T01:17	DORIS/MWR ICU switched down
7	578	2002-07-08T01:17	2002-07-08T02:07	DORIS/MWR ICU switched down
7	579	2002-07-08T02:07	2002-07-08T02:57	DORIS/MWR ICU switched down
7	580	2002-07-08T02:57	2002-07-08T03:47	DORIS/MWR ICU switched down

7	581	2002-07-08T03:47	2002-07-08T04:38	DORIS/MWR ICU switched down
7	582	2002-07-08T04:38	2002-07-08T05:28	DORIS/MWR ICU switched down
7	583	2002-07-08T05:28	2002-07-08T06:18	DORIS/MWR ICU switched down
7	584	2002-07-08T06:18	2002-07-08T07:09	DORIS/MWR ICU switched down
7	585	2002-07-08T07:09	2002-07-08T07:59	DORIS/MWR ICU switched down
7	586	2002-07-08T07:59	2002-07-08T08:49	DORIS/MWR ICU switched down
7	587	2002-07-08T08:49	2002-07-08T09:40	DORIS/MWR ICU switched down
7	588	2002-07-08T09:40	2002-07-08T10:30	DORIS/MWR ICU switched down
7	589	2002-07-08T10:30	2002-07-08T11:20	DORIS/MWR ICU switched down
7	590	2002-07-08T11:20	2002-07-08T12:10	DORIS/MWR ICU switched down
7	591	2002-07-08T12:10	2002-07-08T13:01	DORIS/MWR ICU switched down
7	592	2002-07-08T13:01	2002-07-08T13:51	DORIS/MWR ICU switched down
7	593	2002-07-08T13:51	2002-07-08T14:41	DORIS/MWR ICU switched down
7	594	2002-07-08T14:41	2002-07-08T15:32	DORIS/MWR ICU switched down
7	595	2002-07-08T15:32	2002-07-08T16:22	DORIS/MWR ICU switched down
7	596	2002-07-08T16:22	2002-07-08T17:12	DORIS/MWR ICU switched down
7	597	2002-07-08T17:12	2002-07-08T18:03	DORIS/MWR ICU switched down
7	598	2002-07-08T18:03	2002-07-08T18:53	DORIS/MWR ICU switched down
7	599	2002-07-08T18:53	2002-07-08T19:43	DORIS/MWR ICU switched down
7	600	2002-07-08T19:43	2002-07-08T20:33	DORIS/MWR ICU switched down
7	601	2002-07-08T20:33	2002-07-08T21:24	DORIS/MWR ICU switched down
7	602	2002-07-08T21:24	2002-07-08T22:14	DORIS/MWR ICU switched down
7	603	2002-07-08T22:14	2002-07-08T23:04	DORIS/MWR ICU switched down
7	604	2002-07-08T23:04	2002-07-08T23:55	DORIS/MWR ICU switched down
7	605	2002-07-08T23:55	2002-07-09T00:45	DORIS/MWR ICU switched down
7	606	2002-07-09T00:45	2002-07-09T01:35	DORIS/MWR ICU switched down
7	607	2002-07-09T01:35	2002-07-09T02:26	DORIS/MWR ICU switched down
7	608	2002-07-09T02:26	2002-07-09T03:16	DORIS/MWR ICU switched down
7	609	2002-07-09T03:16	2002-07-09T04:06	DORIS/MWR ICU switched down
7	610	2002-07-09T04:06	2002-07-09T04:56	DORIS/MWR ICU switched down
7	611	2002-07-09T04:56	2002-07-09T05:47	DORIS/MWR ICU switched down
7	612	2002-07-09T05:47	2002-07-09T06:37	DORIS/MWR ICU switched down
7	613	2002-07-09T06:37	2002-07-09T07:27	DORIS/MWR ICU switched down
7	614	2002-07-09T07:27	2002-07-09T08:18	DORIS/MWR ICU switched down
7	615	2002-07-09T08:18	2002-07-09T09:08	DORIS/MWR ICU switched down
7	616	2002-07-09T09:08	2002-07-09T09:58	DORIS/MWR ICU switched down
7	617	2002-07-09T09:58	2002-07-09T10:49	DORIS/MWR ICU switched down
7	618	2002-07-09T10:49	2002-07-09T11:39	DORIS/MWR ICU switched down
7	619	2002-07-09T11:39	2002-07-09T12:29	DORIS/MWR ICU switched down
7	620	2002-07-09T12:29	2002-07-09T13:19	DORIS/MWR ICU switched down
7	621	2002-07-09T13:19	2002-07-09T14:10	DORIS/MWR ICU switched down
7	622	2002-07-09T14:10	2002-07-09T15:00	unexplained missing telemetry
7	623	2002-07-09T15:00	2002-07-09T15:50	unexplained missing telemetry
7	624	2002-07-09T15:50	2002-07-09T16:41	unexplained missing telemetry
7	625	2002-07-09T16:41	2002-07-09T17:31	unexplained missing telemetry
7	626	2002-07-09T17:31	2002-07-09T18:21	unexplained missing telemetry
7	627	2002-07-09T18:21	2002-07-09T19:12	unexplained missing telemetry
7	628	2002-07-09T19:12	2002-07-09T20:02	unexplained missing telemetry

7	629	2002-07-09T20:02	2002-07-09T20:52	unexplained missing telemetry
8	263	2002-08-01T01:12	2002-08-01T02:03	unexplained missing telemetry
8	271	2002-08-01T07:55	2002-08-01T08:45	unexplained missing telemetry
8	574	2002-08-11T21:55	2002-08-11T22:46	unexplained missing telemetry
8	575	2002-08-11T22:46	2002-08-11T23:36	unexplained missing telemetry
8	576	2002-08-11T23:36	2002-08-12T00:26	unexplained missing telemetry
8	577	2002-08-12T00:26	2002-08-12T01:17	unexplained missing telemetry
8	712	2002-08-16T17:37	2002-08-16T18:27	unexplained missing telemetry
9	213	2002-09-03T07:17	2002-09-03T08:08	unexplained missing telemetry
9	316	2002-09-06T21:38	2002-09-06T22:28	unexplained missing telemetry
9	356	2002-09-08T07:10	2002-09-08T08:00	Planned Service Module (SM) switch off
9	357	2002-09-08T08:00	2002-09-08T08:51	Planned Service Module (SM) switch off
9	358	2002-09-08T08:51	2002-09-08T09:41	Planned Service Module (SM) switch off
9	359	2002-09-08T09:41	2002-09-08T10:31	Planned Service Module (SM) switch off
9	360	2002-09-08T10:31	2002-09-08T11:22	Planned Service Module (SM) switch off
9	361	2002-09-08T11:22	2002-09-08T12:12	Planned Service Module (SM) switch off
9	362	2002-09-08T12:12	2002-09-08T13:02	Planned Service Module (SM) switch off
9	363	2002-09-08T13:02	2002-09-08T13:53	Planned Service Module (SM) switch off
9	364	2002-09-08T13:53	2002-09-08T14:43	Planned Service Module (SM) switch off
9	365	2002-09-08T14:43	2002-09-08T15:33	Planned Service Module (SM) switch off
9	366	2002-09-08T15:33	2002-09-08T16:23	Planned Service Module (SM) switch off
9	367	2002-09-08T16:23	2002-09-08T17:14	Planned Service Module (SM) switch off
9	368	2002-09-08T17:14	2002-09-08T18:04	Planned Service Module (SM) switch off
9	369	2002-09-08T18:04	2002-09-08T18:54	Planned Service Module (SM) switch off
9	370	2002-09-08T18:54	2002-09-08T19:45	Planned Service Module (SM) switch off
9	371	2002-09-08T19:45	2002-09-08T20:35	Planned Service Module (SM) switch off
9	372	2002-09-08T20:35	2002-09-08T21:25	Planned Service Module (SM) switch off
9	373	2002-09-08T21:25	2002-09-08T22:16	Planned Service Module (SM) switch off
9	374	2002-09-08T22:16	2002-09-08T23:06	Planned Service Module (SM) switch off
9	375	2002-09-08T23:06	2002-09-08T23:56	Planned Service Module (SM) switch off
9	376	2002-09-08T23:56	2002-09-09T00:46	Planned Service Module (SM) switch off
9	377	2002-09-09T00:46	2002-09-09T01:37	Planned Service Module (SM) switch off
9	378	2002-09-09T01:37	2002-09-09T02:27	Planned Service Module (SM) switch off
9	379	2002-09-09T02:27	2002-09-09T03:17	Planned Service Module (SM) switch off
9	380	2002-09-09T03:17	2002-09-09T04:08	Planned Service Module (SM) switch off
9	381	2002-09-09T04:08	2002-09-09T04:58	Planned Service Module (SM) switch off
9	382	2002-09-09T04:58	2002-09-09T05:48	Planned Service Module (SM) switch off
9	383	2002-09-09T05:48	2002-09-09T06:38	Planned Service Module (SM) switch off
9	384	2002-09-09T06:38	2002-09-09T07:29	Planned Service Module (SM) switch off
9	385	2002-09-09T07:29	2002-09-09T08:19	Planned Service Module (SM) switch off
9	386	2002-09-09T08:19	2002-09-09T09:09	Planned Service Module (SM) switch off
9	387	2002-09-09T09:09	2002-09-09T10:00	Planned Service Module (SM) switch off
9	388	2002-09-09T10:00	2002-09-09T10:50	Planned Service Module (SM) switch off
9	389	2002-09-09T10:50	2002-09-09T11:40	Planned Service Module (SM) switch off
9	390	2002-09-09T11:40	2002-09-09T12:31	Planned Service Module (SM) switch off
9	391	2002-09-09T12:31	2002-09-09T13:21	Planned Service Module (SM) switch off
9	392	2002-09-09T13:21	2002-09-09T14:11	Planned Service Module (SM) switch off
9	393	2002-09-09T14:11	2002-09-09T15:01	Planned Service Module (SM) switch off

9	394	2002-09-09T15:01	2002-09-09T15:52	Planned Service Module (SM) switch off
9	395	2002-09-09T15:52	2002-09-09T16:42	Planned Service Module (SM) switch off
9	396	2002-09-09T16:42	2002-09-09T17:32	Planned Service Module (SM) switch off
9	397	2002-09-09T17:32	2002-09-09T18:23	Planned Service Module (SM) switch off
9	398	2002-09-09T18:23	2002-09-09T19:13	Planned Service Module (SM) switch off
9	399	2002-09-09T19:13	2002-09-09T20:03	Planned Service Module (SM) switch off
9	400	2002-09-09T20:03	2002-09-09T20:54	Planned Service Module (SM) switch off
9	401	2002-09-09T20:54	2002-09-09T21:44	Planned Service Module (SM) switch off
9	402	2002-09-09T21:44	2002-09-09T22:34	Planned Service Module (SM) switch off
9	403	2002-09-09T22:34	2002-09-09T23:24	Planned Service Module (SM) switch off
9	404	2002-09-09T23:24	2002-09-10T00:15	Planned Service Module (SM) switch off
9	405	2002-09-10T00:15	2002-09-10T01:05	Planned Service Module (SM) switch off
9	406	2002-09-10T01:05	2002-09-10T01:55	Planned Service Module (SM) switch off
9	407	2002-09-10T01:55	2002-09-10T02:46	Planned Service Module (SM) switch off
9	408	2002-09-10T02:46	2002-09-10T03:36	Planned Service Module (SM) switch off
9	409	2002-09-10T03:36	2002-09-10T04:26	Planned Service Module (SM) switch off
9	410	2002-09-10T04:26	2002-09-10T05:17	Planned Service Module (SM) switch off
9	411	2002-09-10T05:17	2002-09-10T06:07	Planned Service Module (SM) switch off
9	412	2002-09-10T06:07	2002-09-10T06:57	Planned Service Module (SM) switch off
9	413	2002-09-10T06:57	2002-09-10T07:47	Planned Service Module (SM) switch off
9	414	2002-09-10T07:47	2002-09-10T08:38	Planned Service Module (SM) switch off
9	415	2002-09-10T08:38	2002-09-10T09:28	Planned Service Module (SM) switch off
9	416	2002-09-10T09:28	2002-09-10T10:18	Planned Service Module (SM) switch off
9	417	2002-09-10T10:18	2002-09-10T11:09	Planned Service Module (SM) switch off
9	418	2002-09-10T11:09	2002-09-10T11:59	Planned Service Module (SM) switch off
9	419	2002-09-10T11:59	2002-09-10T12:49	Planned Service Module (SM) switch off
9	420	2002-09-10T12:49	2002-09-10T13:40	Planned Service Module (SM) switch off
9	421	2002-09-10T13:40	2002-09-10T14:30	Planned Service Module (SM) switch off
9	422	2002-09-10T14:30	2002-09-10T15:20	Planned Service Module (SM) switch off
9	423	2002-09-10T15:20	2002-09-10T16:10	Planned Service Module (SM) switch off
9	424	2002-09-10T16:10	2002-09-10T17:01	Planned Service Module (SM) switch off
9	425	2002-09-10T17:01	2002-09-10T17:51	Planned Service Module (SM) switch off
9	426	2002-09-10T17:51	2002-09-10T18:41	Planned Service Module (SM) switch off
9	427	2002-09-10T18:41	2002-09-10T19:32	Planned Service Module (SM) switch off
9	428	2002-09-10T19:32	2002-09-10T20:22	Planned Service Module (SM) switch off
9	429	2002-09-10T20:22	2002-09-10T21:12	Planned Service Module (SM) switch off
9	430	2002-09-10T21:12	2002-09-10T22:03	Planned Service Module (SM) switch off
9	431	2002-09-10T22:03	2002-09-10T22:53	Planned Service Module (SM) switch off
9	432	2002-09-10T22:53	2002-09-10T23:43	Planned Service Module (SM) switch off
9	433	2002-09-10T23:43	2002-09-11T00:33	Planned Service Module (SM) switch off
9	434	2002-09-11T00:33	2002-09-11T01:24	Planned Service Module (SM) switch off
9	435	2002-09-11T01:24	2002-09-11T02:14	Planned Service Module (SM) switch off
9	436	2002-09-11T02:14	2002-09-11T03:04	Planned Service Module (SM) switch off
9	437	2002-09-11T03:04	2002-09-11T03:55	Planned Service Module (SM) switch off
9	438	2002-09-11T03:55	2002-09-11T04:45	Planned Service Module (SM) switch off
9	439	2002-09-11T04:45	2002-09-11T05:35	Planned Service Module (SM) switch off
9	440	2002-09-11T05:35	2002-09-11T06:26	Planned Service Module (SM) switch off
9	441	2002-09-11T06:26	2002-09-11T07:16	Planned Service Module (SM) switch off

9	442	2002-09-11T07:16	2002-09-11T08:06	Planned Service Module (SM) switch off
9	443	2002-09-11T08:06	2002-09-11T08:56	Planned Service Module (SM) switch off
9	444	2002-09-11T08:56	2002-09-11T09:47	Planned Service Module (SM) switch off
9	445	2002-09-11T09:47	2002-09-11T10:37	Planned Service Module (SM) switch off
9	446	2002-09-11T10:37	2002-09-11T11:27	unexplained missing telemetry
9	447	2002-09-11T11:27	2002-09-11T12:18	unexplained missing telemetry
9	448	2002-09-11T12:18	2002-09-11T13:08	unexplained missing telemetry
9	552	2002-09-15T03:29	2002-09-15T04:19	MWR out of measurement mode: DORIS/MWR ICU resta
9	553	2002-09-15T04:19	2002-09-15T05:09	MWR out of measurement mode: DORIS/MWR ICU resta
9	554	2002-09-15T05:09	2002-09-15T06:00	MWR out of measurement mode: DORIS/MWR ICU resta
9	555	2002-09-15T06:00	2002-09-15T06:50	MWR out of measurement mode: DORIS/MWR ICU resta
9	556	2002-09-15T06:50	2002-09-15T07:40	MWR out of measurement mode: DORIS/MWR ICU resta
9	557	2002-09-15T07:40	2002-09-15T08:31	MWR out of measurement mode: DORIS/MWR ICU resta
9	558	2002-09-15T08:31	2002-09-15T09:21	MWR out of measurement mode: DORIS/MWR ICU resta
9	559	2002-09-15T09:21	2002-09-15T10:11	MWR out of measurement mode: DORIS/MWR ICU resta
9	560	2002-09-15T10:11	2002-09-15T11:02	MWR out of measurement mode: DORIS/MWR ICU resta
9	561	2002-09-15T11:02	2002-09-15T11:52	MWR out of measurement mode: DORIS/MWR ICU resta
9	562	2002-09-15T11:52	2002-09-15T12:42	MWR out of measurement mode: DORIS/MWR ICU resta
9	563	2002-09-15T12:42	2002-09-15T13:32	MWR out of measurement mode: DORIS/MWR ICU resta
9	564	2002-09-15T13:32	2002-09-15T14:23	MWR out of measurement mode: DORIS/MWR ICU resta
9	565	2002-09-15T14:23	2002-09-15T15:13	MWR out of measurement mode: DORIS/MWR ICU resta
9	566	2002-09-15T15:13	2002-09-15T16:03	MWR out of measurement mode: DORIS/MWR ICU resta
9	567	2002-09-15T16:03	2002-09-15T16:54	MWR out of measurement mode: DORIS/MWR ICU resta
9	568	2002-09-15T16:54	2002-09-15T17:44	MWR out of measurement mode: DORIS/MWR ICU resta
9	569	2002-09-15T17:44	2002-09-15T18:34	MWR out of measurement mode: DORIS/MWR ICU resta
9	570	2002-09-15T18:34	2002-09-15T19:25	MWR out of measurement mode: DORIS/MWR ICU resta
9	571	2002-09-15T19:25	2002-09-15T20:15	MWR out of measurement mode: DORIS/MWR ICU resta
9	572	2002-09-15T20:15	2002-09-15T21:05	MWR out of measurement mode: DORIS/MWR ICU resta
9	573	2002-09-15T21:05	2002-09-15T21:55	MWR out of measurement mode: DORIS/MWR ICU resta
9	574	2002-09-15T21:55	2002-09-15T22:46	MWR out of measurement mode: DORIS/MWR ICU resta
9	575	2002-09-15T22:46	2002-09-15T23:36	MWR out of measurement mode: DORIS/MWR ICU resta
9	576	2002-09-15T23:36	2002-09-16T00:26	MWR out of measurement mode: DORIS/MWR ICU resta
9	577	2002-09-16T00:26	2002-09-16T01:17	MWR out of measurement mode: DORIS/MWR ICU resta
9	578	2002-09-16T01:17	2002-09-16T02:07	MWR out of measurement mode: DORIS/MWR ICU resta
9	579	2002-09-16T02:07	2002-09-16T02:57	MWR out of measurement mode: DORIS/MWR ICU resta
9	580	2002-09-16T02:57	2002-09-16T03:48	MWR out of measurement mode: DORIS/MWR ICU resta
9	581	2002-09-16T03:48	2002-09-16T04:38	MWR out of measurement mode: DORIS/MWR ICU resta
9	582	2002-09-16T04:38	2002-09-16T05:28	MWR out of measurement mode: DORIS/MWR ICU resta
9	583	2002-09-16T05:28	2002-09-16T06:18	MWR out of measurement mode: DORIS/MWR ICU resta
9	584	2002-09-16T06:18	2002-09-16T07:09	MWR out of measurement mode: DORIS/MWR ICU resta
9	585	2002-09-16T07:09	2002-09-16T07:59	MWR out of measurement mode: DORIS/MWR ICU resta
9	586	2002-09-16T07:59	2002-09-16T08:49	MWR out of measurement mode: DORIS/MWR ICU resta
9	587	2002-09-16T08:49	2002-09-16T09:40	MWR out of measurement mode: DORIS/MWR ICU resta
9	588	2002-09-16T09:40	2002-09-16T10:30	MWR out of measurement mode: DORIS/MWR ICU resta
9	589	2002-09-16T10:30	2002-09-16T11:20	MWR out of measurement mode: DORIS/MWR ICU resta
9	590	2002-09-16T11:20	2002-09-16T12:10	MWR out of measurement mode: DORIS/MWR ICU resta
9	591	2002-09-16T12:10	2002-09-16T13:01	MWR out of measurement mode: DORIS/MWR ICU resta
9	592	2002-09-16T13:01	2002-09-16T13:51	MWR out of measurement mode: DORIS/MWR ICU resta

9	593	2002-09-16T13:51	2002-09-16T14:41	MWR out of measurement mode: DORIS/MWR ICU resta
9	594	2002-09-16T14:41	2002-09-16T15:32	MWR out of measurement mode: DORIS/MWR ICU resta
9	595	2002-09-16T15:32	2002-09-16T16:22	MWR out of measurement mode: DORIS/MWR ICU resta
9	596	2002-09-16T16:22	2002-09-16T17:12	MWR out of measurement mode: DORIS/MWR ICU resta
9	597	2002-09-16T17:12	2002-09-16T18:03	MWR out of measurement mode: DORIS/MWR ICU resta
9	598	2002-09-16T18:03	2002-09-16T18:53	MWR out of measurement mode: DORIS/MWR ICU resta
9	599	2002-09-16T18:53	2002-09-16T19:43	MWR out of measurement mode: DORIS/MWR ICU resta
9	600	2002-09-16T19:43	2002-09-16T20:33	MWR out of measurement mode: DORIS/MWR ICU resta
9	601	2002-09-16T20:33	2002-09-16T21:24	MWR out of measurement mode: DORIS/MWR ICU resta
9	602	2002-09-16T21:24	2002-09-16T22:14	MWR out of measurement mode: DORIS/MWR ICU resta
9	603	2002-09-16T22:14	2002-09-16T23:04	MWR out of measurement mode: DORIS/MWR ICU resta
9	604	2002-09-16T23:04	2002-09-16T23:55	MWR out of measurement mode: DORIS/MWR ICU resta
9	605	2002-09-16T23:55	2002-09-17T00:45	MWR out of measurement mode: DORIS/MWR ICU resta
9	606	2002-09-17T00:45	2002-09-17T01:35	MWR out of measurement mode: DORIS/MWR ICU resta
9	607	2002-09-17T01:35	2002-09-17T02:26	MWR out of measurement mode: DORIS/MWR ICU resta
9	608	2002-09-17T02:26	2002-09-17T03:16	MWR out of measurement mode: DORIS/MWR ICU resta
9	609	2002-09-17T03:16	2002-09-17T04:06	MWR out of measurement mode: DORIS/MWR ICU resta
9	610	2002-09-17T04:06	2002-09-17T04:56	MWR out of measurement mode: DORIS/MWR ICU resta
9	611	2002-09-17T04:56	2002-09-17T05:47	MWR out of measurement mode: DORIS/MWR ICU resta
9	612	2002-09-17T05:47	2002-09-17T06:37	MWR out of measurement mode: DORIS/MWR ICU resta
9	613	2002-09-17T06:37	2002-09-17T07:27	MWR out of measurement mode: DORIS/MWR ICU resta
9	614	2002-09-17T07:27	2002-09-17T08:18	MWR out of measurement mode: DORIS/MWR ICU resta
9	615	2002-09-17T08:18	2002-09-17T09:08	MWR out of measurement mode: DORIS/MWR ICU resta
9	616	2002-09-17T09:08	2002-09-17T09:58	MWR out of measurement mode: DORIS/MWR ICU resta
9	617	2002-09-17T09:58	2002-09-17T10:49	MWR out of measurement mode: DORIS/MWR ICU resta
9	618	2002-09-17T10:49	2002-09-17T11:39	unexplained missing telemetry
9	619	2002-09-17T11:39	2002-09-17T12:29	unexplained missing telemetry
9	620	2002-09-17T12:29	2002-09-17T13:19	unexplained missing telemetry
9	621	2002-09-17T13:19	2002-09-17T14:10	unexplained missing telemetry
9	721	2002-09-21T01:09	2002-09-21T02:00	unexplained missing telemetry
9	860	2002-09-25T21:41	2002-09-25T22:31	unexplained missing telemetry
10	71	2002-10-03T08:15	2002-10-03T09:05	unexplained missing telemetry
10	79	2002-10-03T14:57	2002-10-03T15:48	unexplained missing telemetry
10	89	2002-10-03T23:20	2002-10-04T00:11	unexplained missing telemetry
10	99	2002-10-04T07:43	2002-10-04T08:34	unexplained missing telemetry
10	157	2002-10-06T08:21	2002-10-06T09:11	unexplained missing telemetry
10	163	2002-10-06T13:22	2002-10-06T14:13	unexplained missing telemetry
10	193	2002-10-07T14:31	2002-10-07T15:22	unexplained missing telemetry
10	213	2002-10-08T07:17	2002-10-08T08:08	unexplained missing telemetry
10	235	2002-10-09T01:44	2002-10-09T02:34	unexplained missing telemetry
10	241	2002-10-09T06:46	2002-10-09T07:36	unexplained missing telemetry
10	257	2002-10-09T20:11	2002-10-09T21:01	unexplained missing telemetry
10	261	2002-10-09T23:32	2002-10-10T00:22	unexplained missing telemetry
10	331	2002-10-12T10:13	2002-10-12T11:03	unexplained missing telemetry
10	357	2002-10-13T08:00	2002-10-13T08:51	unexplained missing telemetry
10	387	2002-10-14T09:09	2002-10-14T10:00	unexplained missing telemetry
10	411	2002-10-15T05:17	2002-10-15T06:07	unexplained missing telemetry
10	433	2002-10-15T23:43	2002-10-16T00:34	unexplained missing telemetry

10	443	2002-10-16T08:06	2002-10-16T08:57	unexplained missing telemetry
10	529	2002-10-19T08:12	2002-10-19T09:02	unexplained missing telemetry
10	547	2002-10-19T23:17	2002-10-20T00:08	unexplained missing telemetry
10	557	2002-10-20T07:40	2002-10-20T08:31	unexplained missing telemetry
10	577	2002-10-21T00:26	2002-10-21T01:17	unexplained missing telemetry
10	589	2002-10-21T10:30	2002-10-21T11:20	unexplained missing telemetry
10	617	2002-10-22T09:58	2002-10-22T10:49	unexplained missing telemetry
10	650	2002-10-23T13:38	2002-10-23T14:29	unexplained missing telemetry
10	660	2002-10-23T22:01	2002-10-23T22:52	unexplained missing telemetry
10	661	2002-10-23T22:52	2002-10-23T23:42	unexplained missing telemetry
10	662	2002-10-23T23:42	2002-10-24T00:32	unexplained missing telemetry
10	663	2002-10-24T00:32	2002-10-24T01:22	unexplained missing telemetry
10	664	2002-10-24T01:22	2002-10-24T02:13	unexplained missing telemetry
10	785	2002-10-28T06:49	2002-10-28T07:39	unexplained missing telemetry
10	791	2002-10-28T11:50	2002-10-28T12:41	unexplained missing telemetry
10	792	2002-10-28T12:41	2002-10-28T13:31	unexplained missing telemetry
10	793	2002-10-28T13:31	2002-10-28T14:21	unexplained missing telemetry
10	845	2002-10-30T09:07	2002-10-30T09:57	unexplained missing telemetry
10	865	2002-10-31T01:53	2002-10-31T02:43	unexplained missing telemetry
10	875	2002-10-31T10:16	2002-10-31T11:06	unexplained missing telemetry
10	880	2002-10-31T14:27	2002-10-31T15:17	unexplained missing telemetry
10	901	2002-11-01T08:03	2002-11-01T08:54	unexplained missing telemetry
10	959	2002-11-03T08:41	2002-11-03T09:31	unexplained missing telemetry
10	989	2002-11-04T09:50	2002-11-04T10:40	unexplained missing telemetry
11	150	2002-11-10T02:28	2002-11-10T03:19	unexplained missing telemetry
11	151	2002-11-10T03:19	2002-11-10T04:09	unexplained missing telemetry
11	152	2002-11-10T04:09	2002-11-10T04:59	Planned SM switch off due to Leonid shower
11	331	2002-11-16T10:13	2002-11-16T11:03	Planned SM switch off due to Leonid shower
11	332	2002-11-16T11:03	2002-11-16T11:53	Planned SM switch off due to Leonid shower
11	382	2002-11-18T04:58	2002-11-18T05:48	Planned SM switch off due to Leonid shower
11	383	2002-11-18T05:48	2002-11-18T06:39	Planned SM switch off due to Leonid shower
11	384	2002-11-18T06:39	2002-11-18T07:29	Planned SM switch off due to Leonid shower
11	385	2002-11-18T07:29	2002-11-18T08:19	Planned SM switch off due to Leonid shower
11	386	2002-11-18T08:19	2002-11-18T09:09	Planned SM switch off due to Leonid shower
11	387	2002-11-18T09:09	2002-11-18T10:00	Planned SM switch off due to Leonid shower
11	388	2002-11-18T10:00	2002-11-18T10:50	Planned SM switch off due to Leonid shower
11	389	2002-11-18T10:50	2002-11-18T11:40	Planned SM switch off due to Leonid shower
11	390	2002-11-18T11:40	2002-11-18T12:31	Planned SM switch off due to Leonid shower
11	391	2002-11-18T12:31	2002-11-18T13:21	Planned SM switch off due to Leonid shower
11	392	2002-11-18T13:21	2002-11-18T14:11	Planned SM switch off due to Leonid shower
11	393	2002-11-18T14:11	2002-11-18T15:02	Planned SM switch off due to Leonid shower
11	394	2002-11-18T15:02	2002-11-18T15:52	Planned SM switch off due to Leonid shower
11	395	2002-11-18T15:52	2002-11-18T16:42	Planned SM switch off due to Leonid shower
11	396	2002-11-18T16:42	2002-11-18T17:32	Planned SM switch off due to Leonid shower
11	397	2002-11-18T17:32	2002-11-18T18:23	Planned SM switch off due to Leonid shower
11	398	2002-11-18T18:23	2002-11-18T19:13	Planned SM switch off due to Leonid shower
11	399	2002-11-18T19:13	2002-11-18T20:03	Planned SM switch off due to Leonid shower
11	400	2002-11-18T20:03	2002-11-18T20:54	Planned SM switch off due to Leonid shower

11	401	2002-11-18T20:54	2002-11-18T21:44	Planned SM switch off due to Leonid shower
11	402	2002-11-18T21:44	2002-11-18T22:34	Planned SM switch off due to Leonid shower
11	403	2002-11-18T22:34	2002-11-18T23:25	Planned SM switch off due to Leonid shower
11	404	2002-11-18T23:25	2002-11-19T00:15	Planned SM switch off due to Leonid shower
11	405	2002-11-19T00:15	2002-11-19T01:05	Planned SM switch off due to Leonid shower
11	406	2002-11-19T01:05	2002-11-19T01:55	Planned SM switch off due to Leonid shower
11	407	2002-11-19T01:55	2002-11-19T02:46	Planned SM switch off due to Leonid shower
11	408	2002-11-19T02:46	2002-11-19T03:36	Planned SM switch off due to Leonid shower
11	409	2002-11-19T03:36	2002-11-19T04:26	Planned SM switch off due to Leonid shower
11	410	2002-11-19T04:26	2002-11-19T05:17	Planned SM switch off due to Leonid shower
11	411	2002-11-19T05:17	2002-11-19T06:07	Planned SM switch off due to Leonid shower
11	412	2002-11-19T06:07	2002-11-19T06:57	Planned SM switch off due to Leonid shower
11	413	2002-11-19T06:57	2002-11-19T07:48	Planned SM switch off due to Leonid shower
11	414	2002-11-19T07:48	2002-11-19T08:38	Planned SM switch off due to Leonid shower
11	415	2002-11-19T08:38	2002-11-19T09:28	Planned SM switch off due to Leonid shower
11	416	2002-11-19T09:28	2002-11-19T10:18	Planned SM switch off due to Leonid shower
11	417	2002-11-19T10:18	2002-11-19T11:09	Planned SM switch off due to Leonid shower
11	418	2002-11-19T11:09	2002-11-19T11:59	Planned SM switch off due to Leonid shower
11	419	2002-11-19T11:59	2002-11-19T12:49	Planned SM switch off due to Leonid shower
11	420	2002-11-19T12:49	2002-11-19T13:40	Planned SM switch off due to Leonid shower
11	421	2002-11-19T13:40	2002-11-19T14:30	Planned SM switch off due to Leonid shower
11	422	2002-11-19T14:30	2002-11-19T15:20	Planned SM switch off due to Leonid shower
11	423	2002-11-19T15:20	2002-11-19T16:11	Planned SM switch off due to Leonid shower
11	424	2002-11-19T16:11	2002-11-19T17:01	Planned SM switch off due to Leonid shower
11	425	2002-11-19T17:01	2002-11-19T17:51	Planned SM switch off due to Leonid shower
11	426	2002-11-19T17:51	2002-11-19T18:41	Planned SM switch off due to Leonid shower
11	427	2002-11-19T18:41	2002-11-19T19:32	Planned SM switch off due to Leonid shower
11	428	2002-11-19T19:32	2002-11-19T20:22	Planned SM switch off due to Leonid shower
11	429	2002-11-19T20:22	2002-11-19T21:12	Planned SM switch off due to Leonid shower
11	430	2002-11-19T21:12	2002-11-19T22:03	Planned SM switch off due to Leonid shower
11	431	2002-11-19T22:03	2002-11-19T22:53	Planned SM switch off due to Leonid shower
11	432	2002-11-19T22:53	2002-11-19T23:43	Planned SM switch off due to Leonid shower
11	433	2002-11-19T23:43	2002-11-20T00:34	Planned SM switch off due to Leonid shower
11	434	2002-11-20T00:34	2002-11-20T01:24	Planned SM switch off due to Leonid shower
11	435	2002-11-20T01:24	2002-11-20T02:14	Planned SM switch off due to Leonid shower
11	436	2002-11-20T02:14	2002-11-20T03:04	Planned SM switch off due to Leonid shower
11	437	2002-11-20T03:04	2002-11-20T03:55	Planned SM switch off due to Leonid shower
11	438	2002-11-20T03:55	2002-11-20T04:45	Planned SM switch off due to Leonid shower
11	439	2002-11-20T04:45	2002-11-20T05:35	Planned SM switch off due to Leonid shower
11	440	2002-11-20T05:35	2002-11-20T06:26	Planned SM switch off due to Leonid shower
11	441	2002-11-20T06:26	2002-11-20T07:16	Planned SM switch off due to Leonid shower
11	442	2002-11-20T07:16	2002-11-20T08:06	Planned SM switch off due to Leonid shower
11	443	2002-11-20T08:06	2002-11-20T08:57	Planned SM switch off due to Leonid shower
11	444	2002-11-20T08:57	2002-11-20T09:47	Planned SM switch off due to Leonid shower
11	445	2002-11-20T09:47	2002-11-20T10:37	Planned SM switch off due to Leonid shower
11	446	2002-11-20T10:37	2002-11-20T11:27	Planned SM switch off due to Leonid shower
11	447	2002-11-20T11:27	2002-11-20T12:18	Planned SM switch off due to Leonid shower
11	448	2002-11-20T12:18	2002-11-20T13:08	unexplained missing telemetry

11	449	2002-11-20T13:08	2002-11-20T13:58	unexplained missing telemetry
11	450	2002-11-20T13:58	2002-11-20T14:49	unexplained missing telemetry
11	451	2002-11-20T14:49	2002-11-20T15:39	unexplained missing telemetry
11	452	2002-11-20T15:39	2002-11-20T16:29	unexplained missing telemetry
11	460	2002-11-20T22:21	2002-11-20T23:12	unexplained missing telemetry
11	666	2002-11-28T03:03	2002-11-28T03:53	unexplained missing telemetry
11	667	2002-11-28T03:53	2002-11-28T04:44	unexplained missing telemetry
11	706	2002-11-29T12:35	2002-11-29T13:25	unexplained missing telemetry
12	144	2002-12-14T21:27	2002-12-14T22:17	unexplained missing telemetry
12	278	2002-12-19T13:47	2002-12-19T14:37	unexplained missing telemetry
12	428	2002-12-24T19:32	2002-12-24T20:22	unexplained missing telemetry
12	716	2003-01-03T20:58	2003-01-03T21:48	unexplained missing telemetry
13	118	2003-01-17T23:39	2003-01-18T00:29	unexplained missing telemetry
13	364	2003-01-26T13:53	2003-01-26T14:43	unexplained missing telemetry
13	598	2003-02-03T18:03	2003-02-03T18:53	unexplained missing telemetry
13	845	2003-02-12T09:06	2003-02-12T09:57	unexplained missing telemetry
13	856	2003-02-12T18:20	2003-02-12T19:10	unexplained missing telemetry
13	860	2003-02-12T21:41	2003-02-12T22:31	unexplained missing telemetry
13	869	2003-02-13T05:14	2003-02-13T06:04	unexplained missing telemetry
13	923	2003-02-15T02:30	2003-02-15T03:20	unexplained missing telemetry
13	924	2003-02-15T03:20	2003-02-15T04:10	unexplained missing telemetry
13	925	2003-02-15T04:10	2003-02-15T05:01	unexplained missing telemetry
13	985	2003-02-17T06:28	2003-02-17T07:19	unexplained missing telemetry
14	38	2003-02-19T04:35	2003-02-19T05:25	unexplained missing telemetry
14	68	2003-02-20T05:44	2003-02-20T06:34	unexplained missing telemetry
14	69	2003-02-20T06:34	2003-02-20T07:24	unexplained missing telemetry
14	70	2003-02-20T07:24	2003-02-20T08:15	MWR out of measurement mode: unplanned Payload sw
14	71	2003-02-20T08:15	2003-02-20T09:05	MWR out of measurement mode: unplanned Payload sw
14	72	2003-02-20T09:05	2003-02-20T09:55	MWR out of measurement mode: unplanned Payload sw
14	73	2003-02-20T09:55	2003-02-20T10:46	MWR out of measurement mode: unplanned Payload sw
14	74	2003-02-20T10:46	2003-02-20T11:36	MWR out of measurement mode: unplanned Payload sw
14	75	2003-02-20T11:36	2003-02-20T12:26	MWR out of measurement mode: unplanned Payload sw
14	76	2003-02-20T12:26	2003-02-20T13:17	MWR out of measurement mode: unplanned Payload sw
14	77	2003-02-20T13:17	2003-02-20T14:07	MWR out of measurement mode: unplanned Payload sw
14	78	2003-02-20T14:07	2003-02-20T14:57	MWR out of measurement mode: unplanned Payload sw
14	79	2003-02-20T14:57	2003-02-20T15:47	MWR out of measurement mode: unplanned Payload sw
14	80	2003-02-20T15:47	2003-02-20T16:38	MWR out of measurement mode: unplanned Payload sw
14	81	2003-02-20T16:38	2003-02-20T17:28	MWR out of measurement mode: unplanned Payload sw
14	82	2003-02-20T17:28	2003-02-20T18:18	MWR out of measurement mode: unplanned Payload sw
14	83	2003-02-20T18:18	2003-02-20T19:09	MWR out of measurement mode: unplanned Payload sw
14	84	2003-02-20T19:09	2003-02-20T19:59	MWR out of measurement mode: unplanned Payload sw
14	85	2003-02-20T19:59	2003-02-20T20:49	MWR out of measurement mode: unplanned Payload sw
14	86	2003-02-20T20:49	2003-02-20T21:40	MWR out of measurement mode: unplanned Payload sw
14	87	2003-02-20T21:40	2003-02-20T22:30	MWR out of measurement mode: unplanned Payload sw
14	88	2003-02-20T22:30	2003-02-20T23:20	MWR out of measurement mode: unplanned Payload sw
14	89	2003-02-20T23:20	2003-02-21T00:10	MWR out of measurement mode: unplanned Payload sw
14	90	2003-02-21T00:10	2003-02-21T01:01	MWR out of measurement mode: unplanned Payload sw
14	91	2003-02-21T01:01	2003-02-21T01:51	MWR out of measurement mode: unplanned Payload sw

14	92	2003-02-21T01:51	2003-02-21T02:41	MWR out of measurement mode: unplanned Payload sw
14	93	2003-02-21T02:41	2003-02-21T03:32	MWR out of measurement mode: unplanned Payload sw
14	94	2003-02-21T03:32	2003-02-21T04:22	MWR out of measurement mode: unplanned Payload sw
14	95	2003-02-21T04:22	2003-02-21T05:12	MWR out of measurement mode: unplanned Payload sw
14	96	2003-02-21T05:12	2003-02-21T06:03	MWR out of measurement mode: unplanned Payload sw
14	97	2003-02-21T06:03	2003-02-21T06:53	MWR out of measurement mode: unplanned Payload sw
14	98	2003-02-21T06:53	2003-02-21T07:43	MWR out of measurement mode: unplanned Payload sw
14	99	2003-02-21T07:43	2003-02-21T08:33	MWR out of measurement mode: unplanned Payload sw
14	100	2003-02-21T08:33	2003-02-21T09:24	MWR out of measurement mode: unplanned Payload sw
14	101	2003-02-21T09:24	2003-02-21T10:14	MWR out of measurement mode: unplanned Payload sw
14	102	2003-02-21T10:14	2003-02-21T11:04	MWR out of measurement mode: unplanned Payload sw
14	103	2003-02-21T11:04	2003-02-21T11:55	MWR out of measurement mode: unplanned Payload sw
14	104	2003-02-21T11:55	2003-02-21T12:45	MWR out of measurement mode: unplanned Payload sw
14	105	2003-02-21T12:45	2003-02-21T13:35	MWR out of measurement mode: unplanned Payload sw
14	106	2003-02-21T13:35	2003-02-21T14:26	MWR out of measurement mode: unplanned Payload sw
14	107	2003-02-21T14:26	2003-02-21T15:16	MWR out of measurement mode: unplanned Payload sw
14	108	2003-02-21T15:16	2003-02-21T16:06	MWR out of measurement mode: unplanned Payload sw
14	109	2003-02-21T16:06	2003-02-21T16:56	MWR out of measurement mode: unplanned Payload sw
14	110	2003-02-21T16:56	2003-02-21T17:47	MWR out of measurement mode: unplanned Payload sw
14	111	2003-02-21T17:47	2003-02-21T18:37	MWR out of measurement mode: unplanned Payload sw
14	112	2003-02-21T18:37	2003-02-21T19:27	MWR out of measurement mode: unplanned Payload sw
14	113	2003-02-21T19:27	2003-02-21T20:18	MWR out of measurement mode: unplanned Payload sw
14	114	2003-02-21T20:18	2003-02-21T21:08	MWR out of measurement mode: unplanned Payload sw
14	115	2003-02-21T21:08	2003-02-21T21:58	MWR out of measurement mode: unplanned Payload sw
14	116	2003-02-21T21:58	2003-02-21T22:49	MWR out of measurement mode: unplanned Payload sw
14	117	2003-02-21T22:49	2003-02-21T23:39	MWR out of measurement mode: unplanned Payload sw
14	118	2003-02-21T23:39	2003-02-22T00:29	MWR out of measurement mode: unplanned Payload sw
14	119	2003-02-22T00:29	2003-02-22T01:19	MWR out of measurement mode: unplanned Payload sw
14	120	2003-02-22T01:19	2003-02-22T02:10	MWR out of measurement mode: unplanned Payload sw
14	121	2003-02-22T02:10	2003-02-22T03:00	MWR out of measurement mode: unplanned Payload sw
14	122	2003-02-22T03:00	2003-02-22T03:50	MWR out of measurement mode: unplanned Payload sw
14	123	2003-02-22T03:50	2003-02-22T04:41	MWR out of measurement mode: unplanned Payload sw
14	124	2003-02-22T04:41	2003-02-22T05:31	MWR out of measurement mode: unplanned Payload sw
14	125	2003-02-22T05:31	2003-02-22T06:21	MWR out of measurement mode: unplanned Payload sw
14	126	2003-02-22T06:21	2003-02-22T07:12	MWR out of measurement mode: unplanned Payload sw
14	127	2003-02-22T07:12	2003-02-22T08:02	MWR out of measurement mode: unplanned Payload sw
14	128	2003-02-22T08:02	2003-02-22T08:52	MWR out of measurement mode: unplanned Payload sw
14	129	2003-02-22T08:52	2003-02-22T09:42	MWR out of measurement mode: unplanned Payload sw
14	130	2003-02-22T09:42	2003-02-22T10:33	MWR out of measurement mode: unplanned Payload sw
14	131	2003-02-22T10:33	2003-02-22T11:23	MWR out of measurement mode: unplanned Payload sw
14	132	2003-02-22T11:23	2003-02-22T12:13	MWR out of measurement mode: unplanned Payload sw
14	133	2003-02-22T12:13	2003-02-22T13:04	MWR out of measurement mode: unplanned Payload sw
14	134	2003-02-22T13:04	2003-02-22T13:54	MWR out of measurement mode: unplanned Payload sw
14	135	2003-02-22T13:54	2003-02-22T14:44	MWR out of measurement mode: unplanned Payload sw
14	136	2003-02-22T14:44	2003-02-22T15:35	MWR out of measurement mode: unplanned Payload sw
14	137	2003-02-22T15:35	2003-02-22T16:25	MWR out of measurement mode: unplanned Payload sw
14	138	2003-02-22T16:25	2003-02-22T17:15	MWR out of measurement mode: unplanned Payload sw
14	139	2003-02-22T17:15	2003-02-22T18:05	MWR out of measurement mode: unplanned Payload sw

14	140	2003-02-22T18:05	2003-02-22T18:56	MWR out of measurement mode: unplanned Payload sw
14	141	2003-02-22T18:56	2003-02-22T19:46	MWR out of measurement mode: unplanned Payload sw
14	142	2003-02-22T19:46	2003-02-22T20:36	MWR out of measurement mode: unplanned Payload sw
14	143	2003-02-22T20:36	2003-02-22T21:27	MWR out of measurement mode: unplanned Payload sw
14	144	2003-02-22T21:27	2003-02-22T22:17	MWR out of measurement mode: unplanned Payload sw
14	145	2003-02-22T22:17	2003-02-22T23:07	MWR out of measurement mode: unplanned Payload sw
14	146	2003-02-22T23:07	2003-02-22T23:58	MWR out of measurement mode: unplanned Payload sw
14	147	2003-02-22T23:58	2003-02-23T00:48	MWR out of measurement mode: unplanned Payload sw
14	148	2003-02-23T00:48	2003-02-23T01:38	MWR out of measurement mode: unplanned Payload sw
14	149	2003-02-23T01:38	2003-02-23T02:28	MWR out of measurement mode: unplanned Payload sw
14	150	2003-02-23T02:28	2003-02-23T03:19	MWR out of measurement mode: unplanned Payload sw
14	151	2003-02-23T03:19	2003-02-23T04:09	MWR out of measurement mode: unplanned Payload sw
14	152	2003-02-23T04:09	2003-02-23T04:59	MWR out of measurement mode: unplanned Payload sw
14	153	2003-02-23T04:59	2003-02-23T05:50	MWR out of measurement mode: unplanned Payload sw
14	154	2003-02-23T05:50	2003-02-23T06:40	MWR out of measurement mode: unplanned Payload sw
14	155	2003-02-23T06:40	2003-02-23T07:30	MWR out of measurement mode: unplanned Payload sw
14	156	2003-02-23T07:30	2003-02-23T08:21	MWR out of measurement mode: unplanned Payload sw
14	157	2003-02-23T08:21	2003-02-23T09:11	MWR out of measurement mode: unplanned Payload sw
14	158	2003-02-23T09:11	2003-02-23T10:01	MWR out of measurement mode: unplanned Payload sw
14	159	2003-02-23T10:01	2003-02-23T10:51	MWR out of measurement mode: unplanned Payload sw
14	160	2003-02-23T10:51	2003-02-23T11:42	MWR out of measurement mode: unplanned Payload sw
14	161	2003-02-23T11:42	2003-02-23T12:32	MWR out of measurement mode: unplanned Payload sw
14	162	2003-02-23T12:32	2003-02-23T13:22	MWR out of measurement mode: unplanned Payload sw
14	163	2003-02-23T13:22	2003-02-23T14:13	MWR out of measurement mode: unplanned Payload sw
14	164	2003-02-23T14:13	2003-02-23T15:03	MWR out of measurement mode: unplanned Payload sw
14	165	2003-02-23T15:03	2003-02-23T15:53	MWR out of measurement mode: unplanned Payload sw
14	166	2003-02-23T15:53	2003-02-23T16:44	MWR out of measurement mode: unplanned Payload sw
14	167	2003-02-23T16:44	2003-02-23T17:34	MWR out of measurement mode: unplanned Payload sw
14	168	2003-02-23T17:34	2003-02-23T18:24	MWR out of measurement mode: unplanned Payload sw
14	169	2003-02-23T18:24	2003-02-23T19:14	MWR out of measurement mode: unplanned Payload sw
14	170	2003-02-23T19:14	2003-02-23T20:05	MWR out of measurement mode: unplanned Payload sw
14	171	2003-02-23T20:05	2003-02-23T20:55	MWR out of measurement mode: unplanned Payload sw
14	172	2003-02-23T20:55	2003-02-23T21:45	MWR out of measurement mode: unplanned Payload sw
14	173	2003-02-23T21:45	2003-02-23T22:36	MWR out of measurement mode: unplanned Payload sw
14	174	2003-02-23T22:36	2003-02-23T23:26	MWR out of measurement mode: unplanned Payload sw
14	175	2003-02-23T23:26	2003-02-24T00:16	MWR out of measurement mode: unplanned Payload sw
14	176	2003-02-24T00:16	2003-02-24T01:07	MWR out of measurement mode: unplanned Payload sw
14	177	2003-02-24T01:07	2003-02-24T01:57	MWR out of measurement mode: unplanned Payload sw
14	178	2003-02-24T01:57	2003-02-24T02:47	MWR out of measurement mode: unplanned Payload sw
14	179	2003-02-24T02:47	2003-02-24T03:37	MWR out of measurement mode: unplanned Payload sw
14	180	2003-02-24T03:37	2003-02-24T04:28	MWR out of measurement mode: unplanned Payload sw
14	181	2003-02-24T04:28	2003-02-24T05:18	MWR out of measurement mode: unplanned Payload sw
14	182	2003-02-24T05:18	2003-02-24T06:08	MWR out of measurement mode: unplanned Payload sw
14	183	2003-02-24T06:08	2003-02-24T06:59	MWR out of measurement mode: unplanned Payload sw
14	184	2003-02-24T06:59	2003-02-24T07:49	MWR out of measurement mode: unplanned Payload sw
14	185	2003-02-24T07:49	2003-02-24T08:39	MWR out of measurement mode: unplanned Payload sw
14	186	2003-02-24T08:39	2003-02-24T09:30	MWR out of measurement mode: unplanned Payload sw
14	187	2003-02-24T09:30	2003-02-24T10:20	MWR out of measurement mode: unplanned Payload sw



14	188	2003-02-24T10:20	2003-02-24T11:10	MWR out of measurement mode: unplanned Payload sw
14	189	2003-02-24T11:10	2003-02-24T12:00	MWR out of measurement mode: unplanned Payload sw
14	190	2003-02-24T12:00	2003-02-24T12:51	MWR out of measurement mode: unplanned Payload sw
14	191	2003-02-24T12:51	2003-02-24T13:41	MWR out of measurement mode: unplanned Payload sw
14	724	2003-03-15T03:40	2003-03-15T04:31	MWR out of measurement mode: Autonomouspayload s
14	725	2003-03-15T04:31	2003-03-15T05:21	MWR out of measurement mode: Autonomouspayload s
14	726	2003-03-15T05:21	2003-03-15T06:11	MWR out of measurement mode: Autonomouspayload s
14	727	2003-03-15T06:11	2003-03-15T07:02	MWR out of measurement mode: Autonomouspayload s
14	728	2003-03-15T07:02	2003-03-15T07:52	MWR out of measurement mode: Autonomouspayload s
14	729	2003-03-15T07:52	2003-03-15T08:42	MWR out of measurement mode: Autonomouspayload s
14	730	2003-03-15T08:42	2003-03-15T09:32	MWR out of measurement mode: Autonomouspayload s
14	731	2003-03-15T09:32	2003-03-15T10:23	MWR out of measurement mode: Autonomouspayload s
14	732	2003-03-15T10:23	2003-03-15T11:13	MWR out of measurement mode: Autonomouspayload s
14	733	2003-03-15T11:13	2003-03-15T12:03	MWR out of measurement mode: Autonomouspayload s
14	734	2003-03-15T12:03	2003-03-15T12:54	MWR out of measurement mode: Autonomouspayload s
14	735	2003-03-15T12:54	2003-03-15T13:44	MWR out of measurement mode: Autonomouspayload s
14	736	2003-03-15T13:44	2003-03-15T14:34	MWR out of measurement mode: Autonomouspayload s
14	737	2003-03-15T14:34	2003-03-15T15:25	MWR out of measurement mode: Autonomouspayload s
14	738	2003-03-15T15:25	2003-03-15T16:15	MWR out of measurement mode: Autonomouspayload s
14	739	2003-03-15T16:15	2003-03-15T17:05	MWR out of measurement mode: Autonomouspayload s
14	740	2003-03-15T17:05	2003-03-15T17:55	MWR out of measurement mode: Autonomouspayload s
14	741	2003-03-15T17:55	2003-03-15T18:46	MWR out of measurement mode: Autonomouspayload s
14	742	2003-03-15T18:46	2003-03-15T19:36	MWR out of measurement mode: Autonomouspayload s
14	743	2003-03-15T19:36	2003-03-15T20:26	MWR out of measurement mode: Autonomouspayload s
14	744	2003-03-15T20:26	2003-03-15T21:17	MWR out of measurement mode: Autonomouspayload s
14	745	2003-03-15T21:17	2003-03-15T22:07	MWR out of measurement mode: Autonomouspayload s
14	746	2003-03-15T22:07	2003-03-15T22:57	MWR out of measurement mode: Autonomouspayload s
14	747	2003-03-15T22:57	2003-03-15T23:48	MWR out of measurement mode: Autonomouspayload s
14	748	2003-03-15T23:48	2003-03-16T00:38	MWR out of measurement mode: Autonomouspayload s
14	749	2003-03-16T00:38	2003-03-16T01:28	MWR out of measurement mode: Autonomouspayload s
14	750	2003-03-16T01:28	2003-03-16T02:18	MWR out of measurement mode: Autonomouspayload s
14	751	2003-03-16T02:18	2003-03-16T03:09	MWR out of measurement mode: Autonomouspayload s
14	752	2003-03-16T03:09	2003-03-16T03:59	MWR out of measurement mode: Autonomouspayload s
14	753	2003-03-16T03:59	2003-03-16T04:49	MWR out of measurement mode: Autonomouspayload s
14	754	2003-03-16T04:49	2003-03-16T05:40	MWR out of measurement mode: Autonomouspayload s
14	755	2003-03-16T05:40	2003-03-16T06:30	MWR out of measurement mode: Autonomouspayload s
14	756	2003-03-16T06:30	2003-03-16T07:20	MWR out of measurement mode: Autonomouspayload s
14	757	2003-03-16T07:20	2003-03-16T08:11	MWR out of measurement mode: Autonomouspayload s
14	758	2003-03-16T08:11	2003-03-16T09:01	MWR out of measurement mode: Autonomouspayload s
14	759	2003-03-16T09:01	2003-03-16T09:51	MWR out of measurement mode: Autonomouspayload s
14	760	2003-03-16T09:51	2003-03-16T10:41	MWR out of measurement mode: Autonomouspayload s
14	761	2003-03-16T10:41	2003-03-16T11:32	MWR out of measurement mode: Autonomouspayload s
14	762	2003-03-16T11:32	2003-03-16T12:22	MWR out of measurement mode: Autonomouspayload s
14	763	2003-03-16T12:22	2003-03-16T13:12	MWR out of measurement mode: Autonomouspayload s
14	764	2003-03-16T13:12	2003-03-16T14:03	MWR out of measurement mode: Autonomouspayload s
14	765	2003-03-16T14:03	2003-03-16T14:53	MWR out of measurement mode: Autonomouspayload s
14	766	2003-03-16T14:53	2003-03-16T15:43	MWR out of measurement mode: Autonomouspayload s
14	767	2003-03-16T15:43	2003-03-16T16:34	MWR out of measurement mode: Autonomouspayload s

14	768	2003-03-16T16:34	2003-03-16T17:24	MWR out of measurement mode: Autonomouspayload s
14	769	2003-03-16T17:24	2003-03-16T18:14	MWR out of measurement mode: Autonomouspayload s
14	770	2003-03-16T18:14	2003-03-16T19:04	MWR out of measurement mode: Autonomouspayload s
14	771	2003-03-16T19:04	2003-03-16T19:55	MWR out of measurement mode: Autonomouspayload s
14	772	2003-03-16T19:55	2003-03-16T20:45	MWR out of measurement mode: Autonomouspayload s
14	773	2003-03-16T20:45	2003-03-16T21:35	MWR out of measurement mode: Autonomouspayload s
14	774	2003-03-16T21:35	2003-03-16T22:26	MWR out of measurement mode: Autonomouspayload s
14	775	2003-03-16T22:26	2003-03-16T23:16	MWR out of measurement mode: Autonomouspayload s
14	776	2003-03-16T23:16	2003-03-17T00:06	MWR out of measurement mode: Autonomouspayload s
14	777	2003-03-17T00:06	2003-03-17T00:57	MWR out of measurement mode: Autonomouspayload s
14	778	2003-03-17T00:57	2003-03-17T01:47	MWR out of measurement mode: Autonomouspayload s
14	779	2003-03-17T01:47	2003-03-17T02:37	MWR out of measurement mode: Autonomouspayload s
14	780	2003-03-17T02:37	2003-03-17T03:27	MWR out of measurement mode: Autonomouspayload s
14	781	2003-03-17T03:27	2003-03-17T04:18	MWR out of measurement mode: Autonomouspayload s
14	782	2003-03-17T04:18	2003-03-17T05:08	MWR out of measurement mode: Autonomouspayload s
14	783	2003-03-17T05:08	2003-03-17T05:58	MWR out of measurement mode: Autonomouspayload s
14	784	2003-03-17T05:58	2003-03-17T06:49	MWR out of measurement mode: Autonomouspayload s
14	785	2003-03-17T06:49	2003-03-17T07:39	MWR out of measurement mode: Autonomouspayload s
14	786	2003-03-17T07:39	2003-03-17T08:29	MWR out of measurement mode: Autonomouspayload s
14	787	2003-03-17T08:29	2003-03-17T09:20	MWR out of measurement mode: Autonomouspayload s
14	788	2003-03-17T09:20	2003-03-17T10:10	MWR out of measurement mode: Autonomouspayload s
14	789	2003-03-17T10:10	2003-03-17T11:00	MWR out of measurement mode: Autonomouspayload s
14	790	2003-03-17T11:00	2003-03-17T11:50	MWR out of measurement mode: Autonomouspayload s
14	791	2003-03-17T11:50	2003-03-17T12:41	MWR out of measurement mode: Autonomouspayload s
14	792	2003-03-17T12:41	2003-03-17T13:31	MWR out of measurement mode: Autonomouspayload s
14	793	2003-03-17T13:31	2003-03-17T14:21	MWR out of measurement mode: Autonomouspayload s
14	794	2003-03-17T14:21	2003-03-17T15:12	MWR out of measurement mode: Autonomouspayload s
14	795	2003-03-17T15:12	2003-03-17T16:02	MWR out of measurement mode: Autonomouspayload s
14	796	2003-03-17T16:02	2003-03-17T16:52	unexplained missing telemetry
14	797	2003-03-17T16:52	2003-03-17T17:43	unexplained missing telemetry
14	798	2003-03-17T17:43	2003-03-17T18:33	unexplained missing telemetry
14	875	2003-03-20T10:16	2003-03-20T11:06	unexplained missing telemetry
15	417	2003-04-08T10:18	2003-04-08T11:09	unexplained missing telemetry
15	418	2003-04-08T11:09	2003-04-08T11:59	unexplained missing telemetry
15	419	2003-04-08T11:59	2003-04-08T12:49	unexplained missing telemetry
15	420	2003-04-08T12:49	2003-04-08T13:40	unexplained missing telemetry
15	421	2003-04-08T13:40	2003-04-08T14:30	unexplained missing telemetry
15	422	2003-04-08T14:30	2003-04-08T15:20	unexplained missing telemetry
15	423	2003-04-08T15:20	2003-04-08T16:11	unexplained missing telemetry
15	424	2003-04-08T16:11	2003-04-08T17:01	unexplained missing telemetry
15	860	2003-04-23T21:41	2003-04-23T22:31	unexplained missing telemetry
15	959	2003-04-27T08:41	2003-04-27T09:31	unexplained missing telemetry
16	556	2003-05-18T06:50	2003-05-18T07:40	Switch-down for Module Command software upgrade ar
16	557	2003-05-18T07:40	2003-05-18T08:31	Switch-down for Module Command software upgrade ar
16	558	2003-05-18T08:31	2003-05-18T09:21	Switch-down for Module Command software upgrade ar
16	559	2003-05-18T09:21	2003-05-18T10:11	Switch-down for Module Command software upgrade ar
16	560	2003-05-18T10:11	2003-05-18T11:01	Switch-down for Module Command software upgrade ar
16	561	2003-05-18T11:01	2003-05-18T11:52	Switch-down for Module Command software upgrade ar

16	562	2003-05-18T11:52	2003-05-18T12:42	Switch-down for Module Command software upgrade and
16	563	2003-05-18T12:42	2003-05-18T13:32	Switch-down for Module Command software upgrade and
16	564	2003-05-18T13:32	2003-05-18T14:23	Switch-down for Module Command software upgrade and
16	565	2003-05-18T14:23	2003-05-18T15:13	Switch-down for Module Command software upgrade and
16	566	2003-05-18T15:13	2003-05-18T16:03	Switch-down for Module Command software upgrade and
16	567	2003-05-18T16:03	2003-05-18T16:54	Switch-down for Module Command software upgrade and
16	568	2003-05-18T16:54	2003-05-18T17:44	Switch-down for Module Command software upgrade and
16	569	2003-05-18T17:44	2003-05-18T18:34	Switch-down for Module Command software upgrade and
16	570	2003-05-18T18:34	2003-05-18T19:24	Switch-down for Module Command software upgrade and
16	571	2003-05-18T19:24	2003-05-18T20:15	Switch-down for Module Command software upgrade and
16	572	2003-05-18T20:15	2003-05-18T21:05	Switch-down for Module Command software upgrade and
16	573	2003-05-18T21:05	2003-05-18T21:55	Switch-down for Module Command software upgrade and
16	574	2003-05-18T21:55	2003-05-18T22:46	Switch-down for Module Command software upgrade and
16	575	2003-05-18T22:46	2003-05-18T23:36	Switch-down for Module Command software upgrade and
16	576	2003-05-18T23:36	2003-05-19T00:26	Switch-down for Module Command software upgrade and
16	577	2003-05-19T00:26	2003-05-19T01:17	Switch-down for Module Command software upgrade and
16	578	2003-05-19T01:17	2003-05-19T02:07	Switch-down for Module Command software upgrade and
16	579	2003-05-19T02:07	2003-05-19T02:57	Switch-down for Module Command software upgrade and
16	580	2003-05-19T02:57	2003-05-19T03:47	Switch-down for Module Command software upgrade and
16	581	2003-05-19T03:47	2003-05-19T04:38	Switch-down for Module Command software upgrade and
16	582	2003-05-19T04:38	2003-05-19T05:28	Switch-down for Module Command software upgrade and
16	583	2003-05-19T05:28	2003-05-19T06:18	Switch-down for Module Command software upgrade and
16	584	2003-05-19T06:18	2003-05-19T07:09	Switch-down for Module Command software upgrade and
16	585	2003-05-19T07:09	2003-05-19T07:59	Switch-down for Module Command software upgrade and
16	586	2003-05-19T07:59	2003-05-19T08:49	Switch-down for Module Command software upgrade and
16	587	2003-05-19T08:49	2003-05-19T09:40	Switch-down for Module Command software upgrade and
16	588	2003-05-19T09:40	2003-05-19T10:30	Switch-down for Module Command software upgrade and
16	589	2003-05-19T10:30	2003-05-19T11:20	Switch-down for Module Command software upgrade and
16	590	2003-05-19T11:20	2003-05-19T12:10	Switch-down for Module Command software upgrade and
16	591	2003-05-19T12:10	2003-05-19T13:01	Switch-down for Module Command software upgrade and
16	592	2003-05-19T13:01	2003-05-19T13:51	Switch-down for Module Command software upgrade and
16	593	2003-05-19T13:51	2003-05-19T14:41	Switch-down for Module Command software upgrade and
16	594	2003-05-19T14:41	2003-05-19T15:32	unexplained missing telemetry
16	766	2003-05-25T14:53	2003-05-25T15:43	unexplained missing telemetry
16	862	2003-05-28T23:22	2003-05-29T00:12	unexplained missing telemetry
16	996	2003-06-02T15:42	2003-06-02T16:32	unexplained missing telemetry
17	226	2003-06-10T18:11	2003-06-10T19:02	unexplained missing telemetry
17	253	2003-06-11T16:49	2003-06-11T17:40	unexplained missing telemetry
17	299	2003-06-13T07:23	2003-06-13T08:13	unexplained missing telemetry
17	587	2003-06-23T08:49	2003-06-23T09:40	unexplained missing telemetry
17	602	2003-06-23T21:24	2003-06-23T22:14	unexplained missing telemetry
17	873	2003-07-03T08:35	2003-07-03T09:25	unexplained missing telemetry
17	974	2003-07-06T21:15	2003-07-06T22:06	unexplained missing telemetry
17	975	2003-07-06T22:06	2003-07-06T22:56	unexplained missing telemetry
18	99	2003-07-11T07:43	2003-07-11T08:34	unexplained missing telemetry
18	202	2003-07-14T22:04	2003-07-14T22:54	unexplained missing telemetry
18	215	2003-07-15T08:58	2003-07-15T09:48	unexplained missing telemetry
18	641	2003-07-30T06:06	2003-07-30T06:56	unexplained missing telemetry

18	686	2003-07-31T19:49	2003-07-31T20:39	unexplained missing telemetry
18	849	2003-08-06T12:28	2003-08-06T13:18	unexplained missing telemetry
19	312	2003-08-22T18:17	2003-08-22T19:07	unexplained missing telemetry
19	367	2003-08-24T16:24	2003-08-24T17:14	unexplained missing telemetry
19	398	2003-08-25T18:23	2003-08-25T19:13	unexplained missing telemetry
19	447	2003-08-27T11:28	2003-08-27T12:18	unexplained missing telemetry
19	473	2003-08-28T09:15	2003-08-28T10:06	unexplained missing telemetry
19	600	2003-09-01T19:43	2003-09-01T20:34	unexplained missing telemetry
19	688	2003-09-04T21:30	2003-09-04T22:20	unexplained missing telemetry
19	689	2003-09-04T22:20	2003-09-04T23:10	MWR out of measurement mode: Payload switch off
19	690	2003-09-04T23:10	2003-09-05T00:01	MWR out of measurement mode: Payload switch off
19	691	2003-09-05T00:01	2003-09-05T00:51	MWR out of measurement mode: Payload switch off
19	692	2003-09-05T00:51	2003-09-05T01:41	MWR out of measurement mode: Payload switch off
19	693	2003-09-05T01:41	2003-09-05T02:32	MWR out of measurement mode: Payload switch off
19	694	2003-09-05T02:32	2003-09-05T03:22	MWR out of measurement mode: Payload switch off
19	695	2003-09-05T03:22	2003-09-05T04:12	MWR out of measurement mode: Payload switch off
19	696	2003-09-05T04:12	2003-09-05T05:02	MWR out of measurement mode: Payload switch off
19	697	2003-09-05T05:02	2003-09-05T05:53	MWR out of measurement mode: Payload switch off
19	698	2003-09-05T05:53	2003-09-05T06:43	MWR out of measurement mode: Payload switch off
19	699	2003-09-05T06:43	2003-09-05T07:33	MWR out of measurement mode: Payload switch off
19	700	2003-09-05T07:33	2003-09-05T08:24	MWR out of measurement mode: Payload switch off
19	701	2003-09-05T08:24	2003-09-05T09:14	MWR out of measurement mode: Payload switch off
19	702	2003-09-05T09:14	2003-09-05T10:04	MWR out of measurement mode: Payload switch off
19	703	2003-09-05T10:04	2003-09-05T10:55	MWR out of measurement mode: Payload switch off
19	704	2003-09-05T10:55	2003-09-05T11:45	MWR out of measurement mode: Payload switch off
19	705	2003-09-05T11:45	2003-09-05T12:35	MWR out of measurement mode: Payload switch off
19	706	2003-09-05T12:35	2003-09-05T13:25	MWR out of measurement mode: Payload switch off
19	707	2003-09-05T13:25	2003-09-05T14:16	MWR out of measurement mode: Payload switch off
19	708	2003-09-05T14:16	2003-09-05T15:06	MWR out of measurement mode: Payload switch off
19	709	2003-09-05T15:06	2003-09-05T15:56	MWR out of measurement mode: Payload switch off
19	710	2003-09-05T15:56	2003-09-05T16:47	MWR out of measurement mode: Payload switch off
19	711	2003-09-05T16:47	2003-09-05T17:37	MWR out of measurement mode: Payload switch off
19	712	2003-09-05T17:37	2003-09-05T18:27	MWR out of measurement mode: Payload switch off
19	713	2003-09-05T18:27	2003-09-05T19:18	MWR out of measurement mode: Payload switch off
19	714	2003-09-05T19:18	2003-09-05T20:08	MWR out of measurement mode: Payload switch off
19	715	2003-09-05T20:08	2003-09-05T20:58	MWR out of measurement mode: Payload switch off
19	716	2003-09-05T20:58	2003-09-05T21:48	MWR out of measurement mode: Payload switch off
19	717	2003-09-05T21:48	2003-09-05T22:39	MWR out of measurement mode: Payload switch off
19	718	2003-09-05T22:39	2003-09-05T23:29	MWR out of measurement mode: Payload switch off
19	719	2003-09-05T23:29	2003-09-06T00:19	MWR out of measurement mode: Payload switch off
19	720	2003-09-06T00:19	2003-09-06T01:10	MWR out of measurement mode: Payload switch off
19	721	2003-09-06T01:10	2003-09-06T02:00	MWR out of measurement mode: Payload switch off
19	722	2003-09-06T02:00	2003-09-06T02:50	MWR out of measurement mode: Payload switch off
19	723	2003-09-06T02:50	2003-09-06T03:41	MWR out of measurement mode: Payload switch off
19	724	2003-09-06T03:41	2003-09-06T04:31	MWR out of measurement mode: Payload switch off
19	725	2003-09-06T04:31	2003-09-06T05:21	MWR out of measurement mode: Payload switch off
19	726	2003-09-06T05:21	2003-09-06T06:11	MWR out of measurement mode: Payload switch off
19	727	2003-09-06T06:11	2003-09-06T07:02	MWR out of measurement mode: Payload switch off

19	728	2003-09-06T07:02	2003-09-06T07:52	MWR out of measurement mode: Payload switch off
19	729	2003-09-06T07:52	2003-09-06T08:42	MWR out of measurement mode: Payload switch off
19	730	2003-09-06T08:42	2003-09-06T09:33	MWR out of measurement mode: Payload switch off
19	731	2003-09-06T09:33	2003-09-06T10:23	MWR out of measurement mode: Payload switch off
19	732	2003-09-06T10:23	2003-09-06T11:13	MWR out of measurement mode: Payload switch off
19	733	2003-09-06T11:13	2003-09-06T12:04	MWR out of measurement mode: Payload switch off
19	734	2003-09-06T12:04	2003-09-06T12:54	MWR out of measurement mode: Payload switch off
19	735	2003-09-06T12:54	2003-09-06T13:44	MWR out of measurement mode: Payload switch off
19	736	2003-09-06T13:44	2003-09-06T14:34	MWR out of measurement mode: Payload switch off
19	737	2003-09-06T14:34	2003-09-06T15:25	MWR out of measurement mode: Payload switch off
20	445	2003-10-01T09:47	2003-10-01T10:37	unexplained missing telemetry
21	164	2003-10-26T14:13	2003-10-26T15:03	unexplained missing telemetry
21	499	2003-11-07T07:03	2003-11-07T07:53	unexplained missing telemetry
22	241	2003-12-03T06:46	2003-12-03T07:36	MWR out of measurement mode: Payload switch off
22	242	2003-12-03T07:36	2003-12-03T08:26	MWR out of measurement mode: Payload switch off
22	243	2003-12-03T08:26	2003-12-03T09:17	MWR out of measurement mode: Payload switch off
22	244	2003-12-03T09:17	2003-12-03T10:07	MWR out of measurement mode: Payload switch off
22	245	2003-12-03T10:07	2003-12-03T10:57	MWR out of measurement mode: Payload switch off
22	246	2003-12-03T10:57	2003-12-03T11:48	MWR out of measurement mode: Payload switch off
22	247	2003-12-03T11:48	2003-12-03T12:38	MWR out of measurement mode: Payload switch off
22	248	2003-12-03T12:38	2003-12-03T13:28	MWR out of measurement mode: Payload switch off
22	249	2003-12-03T13:28	2003-12-03T14:19	MWR out of measurement mode: Payload switch off
22	250	2003-12-03T14:19	2003-12-03T15:09	MWR out of measurement mode: Payload switch off
22	251	2003-12-03T15:09	2003-12-03T15:59	MWR out of measurement mode: Payload switch off
22	252	2003-12-03T15:59	2003-12-03T16:49	MWR out of measurement mode: Payload switch off
22	253	2003-12-03T16:49	2003-12-03T17:40	MWR out of measurement mode: Payload switch off
22	254	2003-12-03T17:40	2003-12-03T18:30	MWR out of measurement mode: Payload switch off
22	255	2003-12-03T18:30	2003-12-03T19:20	MWR out of measurement mode: Payload switch off
22	256	2003-12-03T19:20	2003-12-03T20:11	MWR out of measurement mode: Payload switch off
22	257	2003-12-03T20:11	2003-12-03T21:01	MWR out of measurement mode: Payload switch off
22	258	2003-12-03T21:01	2003-12-03T21:51	MWR out of measurement mode: Payload switch off
22	259	2003-12-03T21:51	2003-12-03T22:42	MWR out of measurement mode: Payload switch off
22	260	2003-12-03T22:42	2003-12-03T23:32	MWR out of measurement mode: Payload switch off
22	261	2003-12-03T23:32	2003-12-04T00:22	MWR out of measurement mode: Payload switch off
22	262	2003-12-04T00:22	2003-12-04T01:12	MWR out of measurement mode: Payload switch off
22	263	2003-12-04T01:12	2003-12-04T02:03	MWR out of measurement mode: Payload switch off
22	264	2003-12-04T02:03	2003-12-04T02:53	MWR out of measurement mode: Payload switch off
22	265	2003-12-04T02:53	2003-12-04T03:43	MWR out of measurement mode: Payload switch off
22	266	2003-12-04T03:43	2003-12-04T04:34	MWR out of measurement mode: Payload switch off
22	267	2003-12-04T04:34	2003-12-04T05:24	MWR out of measurement mode: Payload switch off
22	268	2003-12-04T05:24	2003-12-04T06:14	MWR out of measurement mode: Payload switch off
22	269	2003-12-04T06:14	2003-12-04T07:05	MWR out of measurement mode: Payload switch off
22	270	2003-12-04T07:05	2003-12-04T07:55	MWR out of measurement mode: Payload switch off
22	271	2003-12-04T07:55	2003-12-04T08:45	MWR out of measurement mode: Payload switch off
22	272	2003-12-04T08:45	2003-12-04T09:35	MWR out of measurement mode: Payload switch off
22	273	2003-12-04T09:35	2003-12-04T10:26	MWR out of measurement mode: Payload switch off
22	274	2003-12-04T10:26	2003-12-04T11:16	MWR out of measurement mode: Payload switch off
22	275	2003-12-04T11:16	2003-12-04T12:06	MWR out of measurement mode: Payload switch off

22	276	2003-12-04T12:06	2003-12-04T12:57	MWR out of measurement mode: Payload switch off
22	277	2003-12-04T12:57	2003-12-04T13:47	MWR out of measurement mode: Payload switch off
22	278	2003-12-04T13:47	2003-12-04T14:37	MWR out of measurement mode: Payload switch off
22	279	2003-12-04T14:37	2003-12-04T15:28	MWR out of measurement mode: Payload switch off
22	280	2003-12-04T15:28	2003-12-04T16:18	MWR out of measurement mode: Payload switch off
22	281	2003-12-04T16:18	2003-12-04T17:08	MWR out of measurement mode: Payload switch off
22	282	2003-12-04T17:08	2003-12-04T17:58	MWR out of measurement mode: Payload switch off
22	283	2003-12-04T17:58	2003-12-04T18:49	MWR out of measurement mode: Payload switch off
22	284	2003-12-04T18:49	2003-12-04T19:39	unexplained missing telemetry
22	285	2003-12-04T19:39	2003-12-04T20:29	unexplained missing telemetry
22	286	2003-12-04T20:29	2003-12-04T21:20	unexplained missing telemetry
22	287	2003-12-04T21:20	2003-12-04T22:10	unexplained missing telemetry
22	968	2003-12-28T16:14	2003-12-28T17:04	unexplained missing telemetry
23	598	2004-01-19T18:03	2004-01-19T18:53	unexplained missing telemetry
23	612	2004-01-20T05:47	2004-01-20T06:37	unexplained missing telemetry
23	613	2004-01-20T06:37	2004-01-20T07:27	unexplained missing telemetry
24	250	2004-02-11T14:18	2004-02-11T15:09	unexplained missing telemetry
24	251	2004-02-11T15:09	2004-02-11T15:59	unexplained missing telemetry
24	252	2004-02-11T15:59	2004-02-11T16:49	unexplained missing telemetry
24	267	2004-02-12T04:34	2004-02-12T05:24	unexplained missing telemetry
24	445	2004-02-18T09:47	2004-02-18T10:37	unexplained missing telemetry
24	783	2004-03-01T05:08	2004-03-01T05:58	unexplained missing telemetry
25	122	2004-03-13T03:00	2004-03-13T03:51	unexplained missing telemetry
25	123	2004-03-13T03:51	2004-03-13T04:41	unexplained missing telemetry
26	624	2004-05-04T15:50	2004-05-04T16:41	unexplained missing telemetry
26	625	2004-05-04T16:41	2004-05-04T17:31	unexplained missing telemetry
26	626	2004-05-04T17:31	2004-05-04T18:21	unexplained missing telemetry
26	627	2004-05-04T18:21	2004-05-04T19:12	unexplained missing telemetry
26	628	2004-05-04T19:12	2004-05-04T20:02	unexplained missing telemetry
26	629	2004-05-04T20:02	2004-05-04T20:52	unexplained missing telemetry
26	630	2004-05-04T20:52	2004-05-04T21:43	unexplained missing telemetry
27	460	2004-06-02T22:21	2004-06-02T23:12	unexplained missing telemetry
27	461	2004-06-02T23:12	2004-06-03T00:02	unexplained missing telemetry
27	858	2004-06-16T20:01	2004-06-16T20:51	unexplained missing telemetry
27	918	2004-06-18T22:19	2004-06-18T23:09	unexplained missing telemetry
27	925	2004-06-19T04:11	2004-06-19T05:01	unexplained missing telemetry
27	946	2004-06-19T21:47	2004-06-19T22:37	unexplained missing telemetry
27	983	2004-06-21T04:48	2004-06-21T05:38	unexplained missing telemetry
28	58	2004-06-23T21:21	2004-06-23T22:11	unexplained missing telemetry
28	59	2004-06-23T22:11	2004-06-23T23:02	unexplained missing telemetry
28	60	2004-06-23T23:02	2004-06-23T23:52	unexplained missing telemetry
28	61	2004-06-23T23:52	2004-06-24T00:42	unexplained missing telemetry
28	62	2004-06-24T00:42	2004-06-24T01:33	unexplained missing telemetry
28	63	2004-06-24T01:33	2004-06-24T02:23	unexplained missing telemetry
28	64	2004-06-24T02:23	2004-06-24T03:13	unexplained missing telemetry
28	65	2004-06-24T03:13	2004-06-24T04:03	unexplained missing telemetry
28	361	2004-07-04T11:22	2004-07-04T12:12	unexplained missing telemetry
29	172	2004-08-01T20:55	2004-08-01T21:46	unexplained missing telemetry

29	173	2004-08-01T21:46	2004-08-01T22:36	unexplained missing telemetry
29	174	2004-08-01T22:36	2004-08-01T23:26	unexplained missing telemetry
29	175	2004-08-01T23:26	2004-08-02T00:16	unexplained missing telemetry
29	176	2004-08-02T00:16	2004-08-02T01:07	unexplained missing telemetry
29	177	2004-08-02T01:07	2004-08-02T01:57	unexplained missing telemetry
29	178	2004-08-02T01:57	2004-08-02T02:47	unexplained missing telemetry
29	179	2004-08-02T02:47	2004-08-02T03:38	unexplained missing telemetry
29	361	2004-08-08T11:22	2004-08-08T12:12	unexplained missing telemetry
29	430	2004-08-10T21:12	2004-08-10T22:03	unexplained missing telemetry
29	434	2004-08-11T00:34	2004-08-11T01:24	unexplained missing telemetry
30	155	2004-09-05T06:40	2004-09-05T07:30	unexplained missing telemetry
30	927	2004-10-02T05:51	2004-10-02T06:42	unexplained missing telemetry
31	361	2004-10-17T11:22	2004-10-17T12:12	unexplained missing telemetry
31	362	2004-10-17T12:12	2004-10-17T13:02	unexplained missing telemetry
31	363	2004-10-17T13:02	2004-10-17T13:53	unexplained missing telemetry
31	364	2004-10-17T13:53	2004-10-17T14:43	unexplained missing telemetry
31	365	2004-10-17T14:43	2004-10-17T15:33	unexplained missing telemetry
31	366	2004-10-17T15:33	2004-10-17T16:24	unexplained missing telemetry
31	367	2004-10-17T16:24	2004-10-17T17:14	unexplained missing telemetry
31	368	2004-10-17T17:14	2004-10-17T18:04	unexplained missing telemetry
31	369	2004-10-17T18:04	2004-10-17T18:55	unexplained missing telemetry
31	370	2004-10-17T18:55	2004-10-17T19:45	unexplained missing telemetry
31	385	2004-10-18T07:29	2004-10-18T08:19	unexplained missing telemetry
31	386	2004-10-18T08:19	2004-10-18T09:10	unexplained missing telemetry
31	387	2004-10-18T09:10	2004-10-18T10:00	unexplained missing telemetry
31	388	2004-10-18T10:00	2004-10-18T10:50	unexplained missing telemetry
31	389	2004-10-18T10:50	2004-10-18T11:41	unexplained missing telemetry
32	30	2004-11-09T21:53	2004-11-09T22:43	unexplained missing telemetry
32	31	2004-11-09T22:43	2004-11-09T23:33	unexplained missing telemetry
32	32	2004-11-09T23:33	2004-11-10T00:24	unexplained missing telemetry
32	33	2004-11-10T00:24	2004-11-10T01:14	unexplained missing telemetry
32	34	2004-11-10T01:14	2004-11-10T02:04	unexplained missing telemetry
32	35	2004-11-10T02:04	2004-11-10T02:54	unexplained missing telemetry
32	36	2004-11-10T02:54	2004-11-10T03:45	unexplained missing telemetry
32	37	2004-11-10T03:45	2004-11-10T04:35	unexplained missing telemetry
32	38	2004-11-10T04:35	2004-11-10T05:25	unexplained missing telemetry
32	39	2004-11-10T05:25	2004-11-10T06:16	unexplained missing telemetry
32	206	2004-11-16T01:25	2004-11-16T02:16	unexplained missing telemetry
32	265	2004-11-18T02:53	2004-11-18T03:43	unexplained missing telemetry
32	361	2004-11-21T11:22	2004-11-21T12:12	unexplained missing telemetry
33	67	2004-12-16T04:54	2004-12-16T05:44	unexplained missing telemetry
33	95	2004-12-17T04:22	2004-12-17T05:12	unexplained missing telemetry
33	228	2004-12-21T19:52	2004-12-21T20:42	unexplained missing telemetry
33	229	2004-12-21T20:42	2004-12-21T21:32	unexplained missing telemetry
33	230	2004-12-21T21:32	2004-12-21T22:23	unexplained missing telemetry
33	231	2004-12-21T22:23	2004-12-21T23:13	unexplained missing telemetry
33	232	2004-12-21T23:13	2004-12-22T00:03	unexplained missing telemetry
33	233	2004-12-22T00:03	2004-12-22T00:54	unexplained missing telemetry

33	234	2004-12-22T00:54	2004-12-22T01:44	unexplained missing telemetry
33	235	2004-12-22T01:44	2004-12-22T02:34	unexplained missing telemetry
33	236	2004-12-22T02:34	2004-12-22T03:25	unexplained missing telemetry
33	237	2004-12-22T03:25	2004-12-22T04:15	unexplained missing telemetry
33	238	2004-12-22T04:15	2004-12-22T05:05	unexplained missing telemetry
33	239	2004-12-22T05:05	2004-12-22T05:55	unexplained missing telemetry
33	258	2004-12-22T21:01	2004-12-22T21:51	unexplained missing telemetry
33	259	2004-12-22T21:51	2004-12-22T22:41	unexplained missing telemetry
33	260	2004-12-22T22:41	2004-12-22T23:32	unexplained missing telemetry
33	261	2004-12-22T23:32	2004-12-23T00:22	unexplained missing telemetry
33	262	2004-12-23T00:22	2004-12-23T01:12	unexplained missing telemetry
33	265	2004-12-23T02:53	2004-12-23T03:43	unexplained missing telemetry
33	266	2004-12-23T03:43	2004-12-23T04:34	unexplained missing telemetry
33	267	2004-12-23T04:34	2004-12-23T05:24	unexplained missing telemetry
33	286	2004-12-23T20:29	2004-12-23T21:20	unexplained missing telemetry
33	290	2004-12-23T23:50	2004-12-24T00:41	unexplained missing telemetry
33	291	2004-12-24T00:41	2004-12-24T01:31	unexplained missing telemetry
33	295	2004-12-24T04:02	2004-12-24T04:52	unexplained missing telemetry
33	296	2004-12-24T04:52	2004-12-24T05:43	unexplained missing telemetry
33	297	2004-12-24T05:43	2004-12-24T06:33	unexplained missing telemetry
33	314	2004-12-24T19:58	2004-12-24T20:48	unexplained missing telemetry
33	315	2004-12-24T20:48	2004-12-24T21:38	unexplained missing telemetry
33	316	2004-12-24T21:38	2004-12-24T22:29	unexplained missing telemetry
33	317	2004-12-24T22:29	2004-12-24T23:19	unexplained missing telemetry
33	318	2004-12-24T23:19	2004-12-25T00:09	unexplained missing telemetry
33	319	2004-12-25T00:09	2004-12-25T00:59	unexplained missing telemetry
33	320	2004-12-25T00:59	2004-12-25T01:50	unexplained missing telemetry
33	321	2004-12-25T01:50	2004-12-25T02:40	unexplained missing telemetry
33	322	2004-12-25T02:40	2004-12-25T03:30	unexplained missing telemetry
33	323	2004-12-25T03:30	2004-12-25T04:21	unexplained missing telemetry
33	324	2004-12-25T04:21	2004-12-25T05:11	unexplained missing telemetry
33	325	2004-12-25T05:11	2004-12-25T06:01	unexplained missing telemetry
33	346	2004-12-25T22:47	2004-12-25T23:38	unexplained missing telemetry
33	347	2004-12-25T23:38	2004-12-26T00:28	unexplained missing telemetry
33	348	2004-12-26T00:28	2004-12-26T01:18	unexplained missing telemetry
33	349	2004-12-26T01:18	2004-12-26T02:08	unexplained missing telemetry
33	350	2004-12-26T02:08	2004-12-26T02:59	unexplained missing telemetry
33	351	2004-12-26T02:59	2004-12-26T03:49	unexplained missing telemetry
33	352	2004-12-26T03:49	2004-12-26T04:39	unexplained missing telemetry
33	353	2004-12-26T04:39	2004-12-26T05:30	unexplained missing telemetry
33	372	2004-12-26T20:35	2004-12-26T21:25	unexplained missing telemetry
33	373	2004-12-26T21:25	2004-12-26T22:16	unexplained missing telemetry
33	374	2004-12-26T22:16	2004-12-26T23:06	unexplained missing telemetry
33	375	2004-12-26T23:06	2004-12-26T23:56	unexplained missing telemetry
33	376	2004-12-26T23:56	2004-12-27T00:46	unexplained missing telemetry
33	377	2004-12-27T00:46	2004-12-27T01:37	unexplained missing telemetry
33	378	2004-12-27T01:37	2004-12-27T02:27	unexplained missing telemetry
33	379	2004-12-27T02:27	2004-12-27T03:17	unexplained missing telemetry

33	380	2004-12-27T03:17	2004-12-27T04:08	unexplained missing telemetry
33	381	2004-12-27T04:08	2004-12-27T04:58	unexplained missing telemetry
33	382	2004-12-27T04:58	2004-12-27T05:48	unexplained missing telemetry
33	383	2004-12-27T05:48	2004-12-27T06:39	unexplained missing telemetry
33	402	2004-12-27T21:44	2004-12-27T22:34	unexplained missing telemetry
33	409	2004-12-28T03:36	2004-12-28T04:26	unexplained missing telemetry
33	410	2004-12-28T04:26	2004-12-28T05:17	unexplained missing telemetry
33	411	2004-12-28T05:17	2004-12-28T06:07	unexplained missing telemetry
33	430	2004-12-28T21:12	2004-12-28T22:03	unexplained missing telemetry
33	431	2004-12-28T22:03	2004-12-28T22:53	unexplained missing telemetry
33	432	2004-12-28T22:53	2004-12-28T23:43	unexplained missing telemetry
33	436	2004-12-29T02:14	2004-12-29T03:04	unexplained missing telemetry
33	437	2004-12-29T03:04	2004-12-29T03:55	unexplained missing telemetry
33	438	2004-12-29T03:55	2004-12-29T04:45	unexplained missing telemetry
33	439	2004-12-29T04:45	2004-12-29T05:35	unexplained missing telemetry
33	458	2004-12-29T20:41	2004-12-29T21:31	unexplained missing telemetry
33	459	2004-12-29T21:31	2004-12-29T22:21	unexplained missing telemetry
33	460	2004-12-29T22:21	2004-12-29T23:12	unexplained missing telemetry
33	461	2004-12-29T23:12	2004-12-30T00:02	unexplained missing telemetry
33	462	2004-12-30T00:02	2004-12-30T00:52	unexplained missing telemetry
33	465	2004-12-30T02:33	2004-12-30T03:23	unexplained missing telemetry
33	466	2004-12-30T03:23	2004-12-30T04:13	unexplained missing telemetry
33	467	2004-12-30T04:13	2004-12-30T05:04	unexplained missing telemetry
33	468	2004-12-30T05:04	2004-12-30T05:54	unexplained missing telemetry
33	469	2004-12-30T05:54	2004-12-30T06:44	unexplained missing telemetry
33	486	2004-12-30T20:09	2004-12-30T20:59	unexplained missing telemetry
33	487	2004-12-30T20:59	2004-12-30T21:50	unexplained missing telemetry
33	488	2004-12-30T21:50	2004-12-30T22:40	unexplained missing telemetry
33	489	2004-12-30T22:40	2004-12-30T23:30	unexplained missing telemetry
33	490	2004-12-30T23:30	2004-12-31T00:21	unexplained missing telemetry
33	491	2004-12-31T00:21	2004-12-31T01:11	unexplained missing telemetry
33	492	2004-12-31T01:11	2004-12-31T02:01	unexplained missing telemetry
33	493	2004-12-31T02:01	2004-12-31T02:52	unexplained missing telemetry
33	494	2004-12-31T02:52	2004-12-31T03:42	unexplained missing telemetry
33	495	2004-12-31T03:42	2004-12-31T04:32	unexplained missing telemetry
33	496	2004-12-31T04:32	2004-12-31T05:22	unexplained missing telemetry
33	497	2004-12-31T05:22	2004-12-31T06:13	unexplained missing telemetry
33	516	2004-12-31T21:18	2004-12-31T22:08	unexplained missing telemetry
33	517	2004-12-31T22:08	2004-12-31T22:59	unexplained missing telemetry
33	518	2004-12-31T22:59	2004-12-31T23:49	unexplained missing telemetry
33	519	2004-12-31T23:49	2005-01-01T00:39	unexplained missing telemetry
33	520	2005-01-01T00:39	2005-01-01T01:30	unexplained missing telemetry
33	525	2005-01-01T04:51	2005-01-01T05:41	unexplained missing telemetry
33	576	2005-01-02T23:36	2005-01-03T00:26	unexplained missing telemetry
33	581	2005-01-03T03:48	2005-01-03T04:38	unexplained missing telemetry
33	582	2005-01-03T04:38	2005-01-03T05:28	unexplained missing telemetry
33	583	2005-01-03T05:28	2005-01-03T06:18	unexplained missing telemetry
33	647	2005-01-05T11:07	2005-01-05T11:58	unexplained missing telemetry

33	709	2005-01-07T15:06	2005-01-07T15:56	unexplained missing telemetry
33	819	2005-01-11T11:19	2005-01-11T12:09	unexplained missing telemetry
33	918	2005-01-14T22:18	2005-01-14T23:09	unexplained missing telemetry
34	239	2005-01-26T05:05	2005-01-26T05:56	unexplained missing telemetry
34	288	2005-01-27T22:10	2005-01-27T23:00	unexplained missing telemetry
34	289	2005-01-27T23:00	2005-01-27T23:50	unexplained missing telemetry
34	290	2005-01-27T23:50	2005-01-28T00:41	unexplained missing telemetry
34	291	2005-01-28T00:41	2005-01-28T01:31	unexplained missing telemetry
34	292	2005-01-28T01:31	2005-01-28T02:21	unexplained missing telemetry
34	293	2005-01-28T02:21	2005-01-28T03:12	unexplained missing telemetry
34	294	2005-01-28T03:12	2005-01-28T04:02	unexplained missing telemetry
34	295	2005-01-28T04:02	2005-01-28T04:52	unexplained missing telemetry
34	296	2005-01-28T04:52	2005-01-28T05:43	unexplained missing telemetry
34	297	2005-01-28T05:43	2005-01-28T06:33	unexplained missing telemetry
34	321	2005-01-29T01:50	2005-01-29T02:40	unexplained missing telemetry
34	333	2005-01-29T11:53	2005-01-29T12:44	unexplained missing telemetry
34	344	2005-01-29T21:07	2005-01-29T21:57	unexplained missing telemetry
34	346	2005-01-29T22:47	2005-01-29T23:38	unexplained missing telemetry
34	347	2005-01-29T23:38	2005-01-30T00:28	unexplained missing telemetry
34	348	2005-01-30T00:28	2005-01-30T01:18	unexplained missing telemetry
34	350	2005-01-30T02:08	2005-01-30T02:59	unexplained missing telemetry
34	351	2005-01-30T02:59	2005-01-30T03:49	unexplained missing telemetry
34	352	2005-01-30T03:49	2005-01-30T04:39	unexplained missing telemetry
34	353	2005-01-30T04:39	2005-01-30T05:30	unexplained missing telemetry
34	378	2005-01-31T01:37	2005-01-31T02:27	unexplained missing telemetry
34	379	2005-01-31T02:27	2005-01-31T03:17	unexplained missing telemetry
34	383	2005-01-31T05:48	2005-01-31T06:39	unexplained missing telemetry
34	400	2005-01-31T20:03	2005-01-31T20:54	unexplained missing telemetry
34	402	2005-01-31T21:44	2005-01-31T22:34	unexplained missing telemetry
34	406	2005-02-01T01:05	2005-02-01T01:56	unexplained missing telemetry
34	430	2005-02-01T21:12	2005-02-01T22:03	unexplained missing telemetry
34	434	2005-02-02T00:34	2005-02-02T01:24	unexplained missing telemetry
34	437	2005-02-02T03:04	2005-02-02T03:55	unexplained missing telemetry
34	438	2005-02-02T03:55	2005-02-02T04:45	unexplained missing telemetry
34	439	2005-02-02T04:45	2005-02-02T05:35	unexplained missing telemetry
34	460	2005-02-02T22:21	2005-02-02T23:12	unexplained missing telemetry
34	518	2005-02-04T22:59	2005-02-04T23:49	unexplained missing telemetry
34	519	2005-02-04T23:49	2005-02-05T00:39	unexplained missing telemetry
34	520	2005-02-05T00:39	2005-02-05T01:30	unexplained missing telemetry
34	521	2005-02-05T01:30	2005-02-05T02:20	unexplained missing telemetry
34	522	2005-02-05T02:20	2005-02-05T03:10	unexplained missing telemetry
34	523	2005-02-05T03:10	2005-02-05T04:01	unexplained missing telemetry
34	524	2005-02-05T04:01	2005-02-05T04:51	unexplained missing telemetry
34	525	2005-02-05T04:51	2005-02-05T05:41	unexplained missing telemetry
34	544	2005-02-05T20:47	2005-02-05T21:37	unexplained missing telemetry
34	545	2005-02-05T21:37	2005-02-05T22:27	unexplained missing telemetry
34	546	2005-02-05T22:27	2005-02-05T23:17	unexplained missing telemetry
34	547	2005-02-05T23:17	2005-02-06T00:08	unexplained missing telemetry

34	548	2005-02-06T00:08	2005-02-06T00:58	unexplained missing telemetry
34	549	2005-02-06T00:58	2005-02-06T01:48	unexplained missing telemetry
34	550	2005-02-06T01:48	2005-02-06T02:39	unexplained missing telemetry
34	551	2005-02-06T02:39	2005-02-06T03:29	unexplained missing telemetry
34	552	2005-02-06T03:29	2005-02-06T04:19	unexplained missing telemetry
34	553	2005-02-06T04:19	2005-02-06T05:10	unexplained missing telemetry
34	554	2005-02-06T05:10	2005-02-06T06:00	unexplained missing telemetry
34	555	2005-02-06T06:00	2005-02-06T06:50	unexplained missing telemetry
34	572	2005-02-06T20:15	2005-02-06T21:05	unexplained missing telemetry
34	573	2005-02-06T21:05	2005-02-06T21:56	unexplained missing telemetry
34	574	2005-02-06T21:56	2005-02-06T22:46	unexplained missing telemetry
34	575	2005-02-06T22:46	2005-02-06T23:36	unexplained missing telemetry
34	576	2005-02-06T23:36	2005-02-07T00:26	unexplained missing telemetry
34	577	2005-02-07T00:26	2005-02-07T01:17	unexplained missing telemetry
34	578	2005-02-07T01:17	2005-02-07T02:07	unexplained missing telemetry
34	579	2005-02-07T02:07	2005-02-07T02:57	unexplained missing telemetry
34	580	2005-02-07T02:57	2005-02-07T03:48	unexplained missing telemetry
34	581	2005-02-07T03:48	2005-02-07T04:38	unexplained missing telemetry
34	582	2005-02-07T04:38	2005-02-07T05:28	unexplained missing telemetry
34	583	2005-02-07T05:28	2005-02-07T06:19	unexplained missing telemetry
34	608	2005-02-08T02:26	2005-02-08T03:16	unexplained missing telemetry
34	609	2005-02-08T03:16	2005-02-08T04:06	unexplained missing telemetry
34	610	2005-02-08T04:06	2005-02-08T04:57	unexplained missing telemetry
34	611	2005-02-08T04:57	2005-02-08T05:47	unexplained missing telemetry
34	648	2005-02-09T11:58	2005-02-09T12:48	unexplained missing telemetry
34	697	2005-02-11T05:02	2005-02-11T05:53	unexplained missing telemetry
35	99	2005-02-25T07:43	2005-02-25T08:34	unexplained missing telemetry
35	680	2005-03-17T14:47	2005-03-17T15:38	unexplained missing telemetry
36	426	2005-04-12T17:51	2005-04-12T18:42	unexplained missing telemetry
36	714	2005-04-22T19:18	2005-04-22T20:08	unexplained missing telemetry
36	727	2005-04-23T06:11	2005-04-23T07:02	unexplained missing telemetry
37	501	2005-05-20T08:44	2005-05-20T09:34	unexplained missing telemetry
37	502	2005-05-20T09:34	2005-05-20T10:24	unexplained missing telemetry
37	503	2005-05-20T10:24	2005-05-20T11:15	unexplained missing telemetry
38	239	2005-06-15T05:05	2005-06-15T05:56	unexplained missing telemetry
38	662	2005-06-29T23:42	2005-06-30T00:32	unexplained missing telemetry
38	942	2005-07-09T18:26	2005-07-09T19:16	unexplained missing telemetry
40	73	2005-08-18T09:56	2005-08-18T10:46	unexplained missing telemetry
40	383	2005-08-29T05:48	2005-08-29T06:39	unexplained missing telemetry
40	548	2005-09-04T00:08	2005-09-04T00:58	unexplained missing telemetry
40	716	2005-09-09T20:58	2005-09-09T21:48	unexplained missing telemetry
40	733	2005-09-10T11:13	2005-09-10T12:03	unexplained missing telemetry
40	781	2005-09-12T03:28	2005-09-12T04:18	unexplained missing telemetry
40	862	2005-09-14T23:22	2005-09-15T00:12	unexplained missing telemetry
40	875	2005-09-15T10:16	2005-09-15T11:06	unexplained missing telemetry
41	858	2005-10-19T20:01	2005-10-19T20:51	unexplained missing telemetry
41	920	2005-10-21T23:59	2005-10-22T00:49	unexplained missing telemetry
41	921	2005-10-22T00:49	2005-10-22T01:40	unexplained missing telemetry

42	286	2005-11-03T20:29	2005-11-03T21:20	unexplained missing telemetry
42	361	2005-11-06T11:22	2005-11-06T12:12	unexplained missing telemetry
42	576	2005-11-13T23:36	2005-11-14T00:26	unexplained missing telemetry
42	577	2005-11-14T00:26	2005-11-14T01:17	unexplained missing telemetry
42	578	2005-11-14T01:17	2005-11-14T02:07	unexplained missing telemetry
42	579	2005-11-14T02:07	2005-11-14T02:57	unexplained missing telemetry
42	580	2005-11-14T02:57	2005-11-14T03:48	unexplained missing telemetry
42	581	2005-11-14T03:48	2005-11-14T04:38	unexplained missing telemetry
42	582	2005-11-14T04:38	2005-11-14T05:28	unexplained missing telemetry
42	583	2005-11-14T05:28	2005-11-14T06:19	unexplained missing telemetry
42	944	2005-11-26T20:06	2005-11-26T20:57	unexplained missing telemetry
42	945	2005-11-26T20:57	2005-11-26T21:47	unexplained missing telemetry
42	946	2005-11-26T21:47	2005-11-26T22:37	unexplained missing telemetry
43	372	2005-12-11T20:35	2005-12-11T21:25	unexplained missing telemetry
43	744	2005-12-24T20:26	2005-12-24T21:17	unexplained missing telemetry
43	745	2005-12-24T21:17	2005-12-24T22:07	unexplained missing telemetry
43	746	2005-12-24T22:07	2005-12-24T22:57	unexplained missing telemetry
43	813	2005-12-27T06:17	2005-12-27T07:07	unexplained missing telemetry
43	814	2005-12-27T07:07	2005-12-27T07:58	unexplained missing telemetry
43	815	2005-12-27T07:58	2005-12-27T08:48	unexplained missing telemetry
43	816	2005-12-27T08:48	2005-12-27T09:38	unexplained missing telemetry
43	817	2005-12-27T09:38	2005-12-27T10:28	unexplained missing telemetry
43	818	2005-12-27T10:28	2005-12-27T11:19	unexplained missing telemetry
43	819	2005-12-27T11:19	2005-12-27T12:09	unexplained missing telemetry
43	820	2005-12-27T12:09	2005-12-27T12:59	unexplained missing telemetry
43	925	2005-12-31T04:10	2005-12-31T05:01	unexplained missing telemetry
43	926	2005-12-31T05:01	2005-12-31T05:51	unexplained missing telemetry
44	207	2006-01-10T02:15	2006-01-10T03:06	unexplained missing telemetry
44	208	2006-01-10T03:06	2006-01-10T03:56	unexplained missing telemetry
44	209	2006-01-10T03:56	2006-01-10T04:46	unexplained missing telemetry
44	210	2006-01-10T04:46	2006-01-10T05:37	unexplained missing telemetry
44	211	2006-01-10T05:37	2006-01-10T06:27	unexplained missing telemetry
44	299	2006-01-13T07:23	2006-01-13T08:13	unexplained missing telemetry
44	632	2006-01-24T22:33	2006-01-24T23:23	unexplained missing telemetry
45	93	2006-02-10T02:41	2006-02-10T03:32	unexplained missing telemetry
45	802	2006-03-06T21:04	2006-03-06T21:54	unexplained missing telemetry
46	32	2006-03-14T23:33	2006-03-15T00:23	unexplained missing telemetry
46	383	2006-03-27T05:48	2006-03-27T06:38	unexplained missing telemetry
46	664	2006-04-06T01:22	2006-04-06T02:13	unexplained missing telemetry
46	665	2006-04-06T02:13	2006-04-06T03:03	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	666	2006-04-06T03:03	2006-04-06T03:53	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	667	2006-04-06T03:53	2006-04-06T04:44	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	668	2006-04-06T04:44	2006-04-06T05:34	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	669	2006-04-06T05:34	2006-04-06T06:24	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	670	2006-04-06T06:24	2006-04-06T07:14	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	671	2006-04-06T07:14	2006-04-06T08:05	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	672	2006-04-06T08:05	2006-04-06T08:55	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	673	2006-04-06T08:55	2006-04-06T09:45	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2

46	674	2006-04-06T09:45	2006-04-06T10:36	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	675	2006-04-06T10:36	2006-04-06T11:26	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	676	2006-04-06T11:26	2006-04-06T12:16	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	677	2006-04-06T12:16	2006-04-06T13:07	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	678	2006-04-06T13:07	2006-04-06T13:57	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	679	2006-04-06T13:57	2006-04-06T14:47	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	680	2006-04-06T14:47	2006-04-06T15:37	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	681	2006-04-06T15:37	2006-04-06T16:28	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	682	2006-04-06T16:28	2006-04-06T17:18	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	683	2006-04-06T17:18	2006-04-06T18:08	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	684	2006-04-06T18:08	2006-04-06T18:59	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	685	2006-04-06T18:59	2006-04-06T19:49	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	686	2006-04-06T19:49	2006-04-06T20:39	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	687	2006-04-06T20:39	2006-04-06T21:29	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	688	2006-04-06T21:29	2006-04-06T22:20	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	689	2006-04-06T22:20	2006-04-06T23:10	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	690	2006-04-06T23:10	2006-04-07T00:00	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	691	2006-04-07T00:00	2006-04-07T00:51	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	692	2006-04-07T00:51	2006-04-07T01:41	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	693	2006-04-07T01:41	2006-04-07T02:31	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	694	2006-04-07T02:31	2006-04-07T03:22	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	695	2006-04-07T03:22	2006-04-07T04:12	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	696	2006-04-07T04:12	2006-04-07T05:02	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	697	2006-04-07T05:02	2006-04-07T05:52	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	698	2006-04-07T05:52	2006-04-07T06:43	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	699	2006-04-07T06:43	2006-04-07T07:33	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	700	2006-04-07T07:33	2006-04-07T08:23	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	701	2006-04-07T08:23	2006-04-07T09:14	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	702	2006-04-07T09:14	2006-04-07T10:04	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	703	2006-04-07T10:04	2006-04-07T10:54	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	704	2006-04-07T10:54	2006-04-07T11:45	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	705	2006-04-07T11:45	2006-04-07T12:35	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	706	2006-04-07T12:35	2006-04-07T13:25	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	707	2006-04-07T13:25	2006-04-07T14:15	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	708	2006-04-07T14:15	2006-04-07T15:06	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	709	2006-04-07T15:06	2006-04-07T15:56	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	710	2006-04-07T15:56	2006-04-07T16:46	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	711	2006-04-07T16:46	2006-04-07T17:37	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	712	2006-04-07T17:37	2006-04-07T18:27	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	713	2006-04-07T18:27	2006-04-07T19:17	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	714	2006-04-07T19:17	2006-04-07T20:08	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	715	2006-04-07T20:08	2006-04-07T20:58	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	716	2006-04-07T20:58	2006-04-07T21:48	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	717	2006-04-07T21:48	2006-04-07T22:38	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	718	2006-04-07T22:38	2006-04-07T23:29	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	719	2006-04-07T23:29	2006-04-08T00:19	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	720	2006-04-08T00:19	2006-04-08T01:09	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	721	2006-04-08T01:09	2006-04-08T02:00	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2

46	722	2006-04-08T02:00	2006-04-08T02:50	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	723	2006-04-08T02:50	2006-04-08T03:40	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	724	2006-04-08T03:40	2006-04-08T04:31	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	725	2006-04-08T04:31	2006-04-08T05:21	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	726	2006-04-08T05:21	2006-04-08T06:11	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	727	2006-04-08T06:11	2006-04-08T07:01	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	728	2006-04-08T07:01	2006-04-08T07:52	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	729	2006-04-08T07:52	2006-04-08T08:42	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	730	2006-04-08T08:42	2006-04-08T09:32	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	731	2006-04-08T09:32	2006-04-08T10:23	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	732	2006-04-08T10:23	2006-04-08T11:13	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	733	2006-04-08T11:13	2006-04-08T12:03	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	734	2006-04-08T12:03	2006-04-08T12:54	SM On-Board Data Handling (OBDH) anomaly(EN-UNA-2
46	735	2006-04-08T12:54	2006-04-08T13:44	unexplained missing telemetry
46	736	2006-04-08T13:44	2006-04-08T14:34	unexplained missing telemetry
46	737	2006-04-08T14:34	2006-04-08T15:24	unexplained missing telemetry
46	858	2006-04-12T20:00	2006-04-12T20:51	unexplained missing telemetry
46	903	2006-04-14T09:44	2006-04-14T10:34	Commanded to Standby and Reset mode(EN-UNA-2006/
46	904	2006-04-14T10:34	2006-04-14T11:25	Commanded to Standby and Reset mode(EN-UNA-2006/
46	905	2006-04-14T11:25	2006-04-14T12:15	Commanded to Standby and Reset mode(EN-UNA-2006/
46	906	2006-04-14T12:15	2006-04-14T13:05	Commanded to Standby and Reset mode(EN-UNA-2006/
46	907	2006-04-14T13:05	2006-04-14T13:55	Commanded to Standby and Reset mode(EN-UNA-2006/
47	512	2006-05-05T17:57	2006-05-05T18:47	unexplained missing telemetry
47	513	2006-05-05T18:47	2006-05-05T19:38	unexplained missing telemetry
47	514	2006-05-05T19:38	2006-05-05T20:28	unexplained missing telemetry
48	200	2006-05-29T20:23	2006-05-29T21:14	unexplained missing telemetry
48	201	2006-05-29T21:14	2006-05-29T22:04	unexplained missing telemetry
48	202	2006-05-29T22:04	2006-05-29T22:54	unexplained missing telemetry
48	203	2006-05-29T22:54	2006-05-29T23:45	unexplained missing telemetry
48	204	2006-05-29T23:45	2006-05-30T00:35	unexplained missing telemetry
48	205	2006-05-30T00:35	2006-05-30T01:25	unexplained missing telemetry
48	206	2006-05-30T01:25	2006-05-30T02:16	unexplained missing telemetry
48	207	2006-05-30T02:16	2006-05-30T03:06	unexplained missing telemetry
48	208	2006-05-30T03:06	2006-05-30T03:56	unexplained missing telemetry
48	209	2006-05-30T03:56	2006-05-30T04:46	unexplained missing telemetry
48	673	2006-06-15T08:55	2006-06-15T09:45	unexplained missing telemetry
48	916	2006-06-23T20:38	2006-06-23T21:28	unexplained missing telemetry
48	917	2006-06-23T21:28	2006-06-23T22:19	unexplained missing telemetry
48	918	2006-06-23T22:19	2006-06-23T23:09	unexplained missing telemetry
48	919	2006-06-23T23:09	2006-06-23T23:59	unexplained missing telemetry
48	920	2006-06-23T23:59	2006-06-24T00:49	unexplained missing telemetry
48	921	2006-06-24T00:49	2006-06-24T01:40	unexplained missing telemetry
48	922	2006-06-24T01:40	2006-06-24T02:30	unexplained missing telemetry
48	923	2006-06-24T02:30	2006-06-24T03:20	unexplained missing telemetry
48	924	2006-06-24T03:20	2006-06-24T04:11	unexplained missing telemetry
48	925	2006-06-24T04:11	2006-06-24T05:01	unexplained missing telemetry
48	926	2006-06-24T05:01	2006-06-24T05:51	unexplained missing telemetry
48	927	2006-06-24T05:51	2006-06-24T06:42	unexplained missing telemetry

49	90	2006-06-30T00:11	2006-06-30T01:01	unexplained missing telemetry
49	772	2006-07-23T19:55	2006-07-23T20:45	unexplained missing telemetry
50	320	2006-08-12T00:59	2006-08-12T01:50	unexplained missing telemetry
51	80	2006-09-07T15:48	2006-09-07T16:38	unexplained missing telemetry
51	81	2006-09-07T16:38	2006-09-07T17:28	Payload off due to Service Module Anomaly (EN-UNA-20
51	82	2006-09-07T17:28	2006-09-07T18:18	Payload off due to Service Module Anomaly (EN-UNA-20
51	83	2006-09-07T18:18	2006-09-07T19:09	Payload off due to Service Module Anomaly (EN-UNA-20
51	84	2006-09-07T19:09	2006-09-07T19:59	Payload off due to Service Module Anomaly (EN-UNA-20
51	85	2006-09-07T19:59	2006-09-07T20:49	Payload off due to Service Module Anomaly (EN-UNA-20
51	86	2006-09-07T20:49	2006-09-07T21:40	Payload off due to Service Module Anomaly (EN-UNA-20
51	87	2006-09-07T21:40	2006-09-07T22:30	Payload off due to Service Module Anomaly (EN-UNA-20
51	88	2006-09-07T22:30	2006-09-07T23:20	Payload off due to Service Module Anomaly (EN-UNA-20
51	89	2006-09-07T23:20	2006-09-08T00:11	Payload off due to Service Module Anomaly (EN-UNA-20
51	90	2006-09-08T00:11	2006-09-08T01:01	Payload off due to Service Module Anomaly (EN-UNA-20
51	91	2006-09-08T01:01	2006-09-08T01:51	Payload off due to Service Module Anomaly (EN-UNA-20
51	92	2006-09-08T01:51	2006-09-08T02:41	Payload off due to Service Module Anomaly (EN-UNA-20
51	93	2006-09-08T02:41	2006-09-08T03:32	Payload off due to Service Module Anomaly (EN-UNA-20
51	94	2006-09-08T03:32	2006-09-08T04:22	Payload off due to Service Module Anomaly (EN-UNA-20
51	95	2006-09-08T04:22	2006-09-08T05:12	Payload off due to Service Module Anomaly (EN-UNA-20
51	96	2006-09-08T05:12	2006-09-08T06:03	Payload off due to Service Module Anomaly (EN-UNA-20
51	97	2006-09-08T06:03	2006-09-08T06:53	Payload off due to Service Module Anomaly (EN-UNA-20
51	98	2006-09-08T06:53	2006-09-08T07:43	Payload off due to Service Module Anomaly (EN-UNA-20
51	99	2006-09-08T07:43	2006-09-08T08:34	Payload off due to Service Module Anomaly (EN-UNA-20
51	100	2006-09-08T08:34	2006-09-08T09:24	Payload off due to Service Module Anomaly (EN-UNA-20
51	101	2006-09-08T09:24	2006-09-08T10:14	Payload off due to Service Module Anomaly (EN-UNA-20
51	102	2006-09-08T10:14	2006-09-08T11:04	Payload off due to Service Module Anomaly (EN-UNA-20
51	103	2006-09-08T11:04	2006-09-08T11:55	Payload off due to Service Module Anomaly (EN-UNA-20
51	104	2006-09-08T11:55	2006-09-08T12:45	Payload off due to Service Module Anomaly (EN-UNA-20
51	105	2006-09-08T12:45	2006-09-08T13:35	Payload off due to Service Module Anomaly (EN-UNA-20
51	106	2006-09-08T13:35	2006-09-08T14:26	Payload off due to Service Module Anomaly (EN-UNA-20
51	107	2006-09-08T14:26	2006-09-08T15:16	Payload off due to Service Module Anomaly (EN-UNA-20
51	108	2006-09-08T15:16	2006-09-08T16:06	Payload off due to Service Module Anomaly (EN-UNA-20
51	109	2006-09-08T16:06	2006-09-08T16:57	Payload off due to Service Module Anomaly (EN-UNA-20
51	110	2006-09-08T16:57	2006-09-08T17:47	Payload off due to Service Module Anomaly (EN-UNA-20
51	111	2006-09-08T17:47	2006-09-08T18:37	Payload off due to Service Module Anomaly (EN-UNA-20
51	112	2006-09-08T18:37	2006-09-08T19:27	Payload off due to Service Module Anomaly (EN-UNA-20
51	113	2006-09-08T19:27	2006-09-08T20:18	Payload off due to Service Module Anomaly (EN-UNA-20
51	114	2006-09-08T20:18	2006-09-08T21:08	Payload off due to Service Module Anomaly (EN-UNA-20
51	115	2006-09-08T21:08	2006-09-08T21:58	Payload off due to Service Module Anomaly (EN-UNA-20
51	116	2006-09-08T21:58	2006-09-08T22:49	Payload off due to Service Module Anomaly (EN-UNA-20
51	117	2006-09-08T22:49	2006-09-08T23:39	Payload off due to Service Module Anomaly (EN-UNA-20
51	118	2006-09-08T23:39	2006-09-09T00:29	Payload off due to Service Module Anomaly (EN-UNA-20
51	119	2006-09-09T00:29	2006-09-09T01:20	Payload off due to Service Module Anomaly (EN-UNA-20
51	120	2006-09-09T01:20	2006-09-09T02:10	Payload off due to Service Module Anomaly (EN-UNA-20
51	121	2006-09-09T02:10	2006-09-09T03:00	Payload off due to Service Module Anomaly (EN-UNA-20
51	122	2006-09-09T03:00	2006-09-09T03:50	Payload off due to Service Module Anomaly (EN-UNA-20
51	123	2006-09-09T03:50	2006-09-09T04:41	Payload off due to Service Module Anomaly (EN-UNA-20
51	124	2006-09-09T04:41	2006-09-09T05:31	Payload off due to Service Module Anomaly (EN-UNA-20

51	125	2006-09-09T05:31	2006-09-09T06:21	Payload off due to Service Module Anomaly (EN-UNA-20
51	126	2006-09-09T06:21	2006-09-09T07:12	Payload off due to Service Module Anomaly (EN-UNA-20
51	127	2006-09-09T07:12	2006-09-09T08:02	Payload off due to Service Module Anomaly (EN-UNA-20
51	128	2006-09-09T08:02	2006-09-09T08:52	Payload off due to Service Module Anomaly (EN-UNA-20
51	129	2006-09-09T08:52	2006-09-09T09:43	Payload off due to Service Module Anomaly (EN-UNA-20
51	130	2006-09-09T09:43	2006-09-09T10:33	Payload off due to Service Module Anomaly (EN-UNA-20
51	131	2006-09-09T10:33	2006-09-09T11:23	Payload off due to Service Module Anomaly (EN-UNA-20
51	132	2006-09-09T11:23	2006-09-09T12:13	Payload off due to Service Module Anomaly (EN-UNA-20
51	133	2006-09-09T12:13	2006-09-09T13:04	Payload off due to Service Module Anomaly (EN-UNA-20
51	134	2006-09-09T13:04	2006-09-09T13:54	Payload off due to Service Module Anomaly (EN-UNA-20
51	135	2006-09-09T13:54	2006-09-09T14:44	Payload off due to Service Module Anomaly (EN-UNA-20
51	136	2006-09-09T14:44	2006-09-09T15:35	Payload off due to Service Module Anomaly (EN-UNA-20
51	137	2006-09-09T15:35	2006-09-09T16:25	Payload off due to Service Module Anomaly (EN-UNA-20
51	138	2006-09-09T16:25	2006-09-09T17:15	Payload off due to Service Module Anomaly (EN-UNA-20
51	139	2006-09-09T17:15	2006-09-09T18:06	Payload off due to Service Module Anomaly (EN-UNA-20
51	140	2006-09-09T18:06	2006-09-09T18:56	Payload off due to Service Module Anomaly (EN-UNA-20
51	141	2006-09-09T18:56	2006-09-09T19:46	Payload off due to Service Module Anomaly (EN-UNA-20
51	142	2006-09-09T19:46	2006-09-09T20:36	Payload off due to Service Module Anomaly (EN-UNA-20
51	143	2006-09-09T20:36	2006-09-09T21:27	Payload off due to Service Module Anomaly (EN-UNA-20
51	144	2006-09-09T21:27	2006-09-09T22:17	Payload off due to Service Module Anomaly (EN-UNA-20
51	145	2006-09-09T22:17	2006-09-09T23:07	Payload off due to Service Module Anomaly (EN-UNA-20
51	146	2006-09-09T23:07	2006-09-09T23:58	Payload off due to Service Module Anomaly (EN-UNA-20
51	147	2006-09-09T23:58	2006-09-10T00:48	Payload off due to Service Module Anomaly (EN-UNA-20
51	148	2006-09-10T00:48	2006-09-10T01:38	Payload off due to Service Module Anomaly (EN-UNA-20
51	149	2006-09-10T01:38	2006-09-10T02:29	Payload off due to Service Module Anomaly (EN-UNA-20
51	150	2006-09-10T02:29	2006-09-10T03:19	Payload off due to Service Module Anomaly (EN-UNA-20
51	151	2006-09-10T03:19	2006-09-10T04:09	Payload off due to Service Module Anomaly (EN-UNA-20
51	152	2006-09-10T04:09	2006-09-10T04:59	Payload off due to Service Module Anomaly (EN-UNA-20
51	153	2006-09-10T04:59	2006-09-10T05:50	Payload off due to Service Module Anomaly (EN-UNA-20
51	154	2006-09-10T05:50	2006-09-10T06:40	Payload off due to Service Module Anomaly (EN-UNA-20
51	155	2006-09-10T06:40	2006-09-10T07:30	Payload off due to Service Module Anomaly (EN-UNA-20
51	156	2006-09-10T07:30	2006-09-10T08:21	Payload off due to Service Module Anomaly (EN-UNA-20
51	157	2006-09-10T08:21	2006-09-10T09:11	Payload off due to Service Module Anomaly (EN-UNA-20
51	158	2006-09-10T09:11	2006-09-10T10:01	Payload off due to Service Module Anomaly (EN-UNA-20
51	159	2006-09-10T10:01	2006-09-10T10:51	Payload off due to Service Module Anomaly (EN-UNA-20
51	160	2006-09-10T10:51	2006-09-10T11:42	Payload off due to Service Module Anomaly (EN-UNA-20
51	161	2006-09-10T11:42	2006-09-10T12:32	Payload off due to Service Module Anomaly (EN-UNA-20
51	162	2006-09-10T12:32	2006-09-10T13:22	Payload off due to Service Module Anomaly (EN-UNA-20
51	163	2006-09-10T13:22	2006-09-10T14:13	Payload off due to Service Module Anomaly (EN-UNA-20
51	164	2006-09-10T14:13	2006-09-10T15:03	Payload off due to Service Module Anomaly (EN-UNA-20
51	165	2006-09-10T15:03	2006-09-10T15:53	Payload off due to Service Module Anomaly (EN-UNA-20
51	166	2006-09-10T15:53	2006-09-10T16:44	Payload off due to Service Module Anomaly (EN-UNA-20
51	167	2006-09-10T16:44	2006-09-10T17:34	Payload off due to Service Module Anomaly (EN-UNA-20
51	168	2006-09-10T17:34	2006-09-10T18:24	Payload off due to Service Module Anomaly (EN-UNA-20
51	169	2006-09-10T18:24	2006-09-10T19:14	Payload off due to Service Module Anomaly (EN-UNA-20
51	170	2006-09-10T19:14	2006-09-10T20:05	Payload off due to Service Module Anomaly (EN-UNA-20
51	171	2006-09-10T20:05	2006-09-10T20:55	Payload off due to Service Module Anomaly (EN-UNA-20
51	172	2006-09-10T20:55	2006-09-10T21:45	Payload off due to Service Module Anomaly (EN-UNA-20

51	173	2006-09-10T21:45	2006-09-10T22:36	Payload off due to Service Module Anomaly (EN-UNA-20
51	174	2006-09-10T22:36	2006-09-10T23:26	Payload off due to Service Module Anomaly (EN-UNA-20
51	175	2006-09-10T23:26	2006-09-11T00:16	Payload off due to Service Module Anomaly (EN-UNA-20
51	176	2006-09-11T00:16	2006-09-11T01:07	Payload off due to Service Module Anomaly (EN-UNA-20
51	177	2006-09-11T01:07	2006-09-11T01:57	Payload off due to Service Module Anomaly (EN-UNA-20
51	178	2006-09-11T01:57	2006-09-11T02:47	Payload off due to Service Module Anomaly (EN-UNA-20
51	179	2006-09-11T02:47	2006-09-11T03:37	Payload off due to Service Module Anomaly (EN-UNA-20
51	180	2006-09-11T03:37	2006-09-11T04:28	Payload off due to Service Module Anomaly (EN-UNA-20
51	181	2006-09-11T04:28	2006-09-11T05:18	Payload off due to Service Module Anomaly (EN-UNA-20
51	182	2006-09-11T05:18	2006-09-11T06:08	Payload off due to Service Module Anomaly (EN-UNA-20
51	183	2006-09-11T06:08	2006-09-11T06:59	Payload off due to Service Module Anomaly (EN-UNA-20
51	184	2006-09-11T06:59	2006-09-11T07:49	Payload off due to Service Module Anomaly (EN-UNA-20
51	185	2006-09-11T07:49	2006-09-11T08:39	Payload off due to Service Module Anomaly (EN-UNA-20
51	630	2006-09-26T20:52	2006-09-26T21:43	unexplained missing telemetry
51	631	2006-09-26T21:43	2006-09-26T22:33	unexplained missing telemetry
51	632	2006-09-26T22:33	2006-09-26T23:23	unexplained missing telemetry
51	633	2006-09-26T23:23	2006-09-27T00:13	unexplained missing telemetry
51	634	2006-09-27T00:13	2006-09-27T01:04	unexplained missing telemetry
51	635	2006-09-27T01:04	2006-09-27T01:54	unexplained missing telemetry
51	636	2006-09-27T01:54	2006-09-27T02:44	unexplained missing telemetry
51	637	2006-09-27T02:44	2006-09-27T03:35	unexplained missing telemetry
51	638	2006-09-27T03:35	2006-09-27T04:25	unexplained missing telemetry
51	639	2006-09-27T04:25	2006-09-27T05:15	unexplained missing telemetry
51	640	2006-09-27T05:15	2006-09-27T06:06	unexplained missing telemetry
51	641	2006-09-27T06:06	2006-09-27T06:56	unexplained missing telemetry
51	658	2006-09-27T20:21	2006-09-27T21:11	unexplained missing telemetry
51	659	2006-09-27T21:11	2006-09-27T22:01	unexplained missing telemetry
51	660	2006-09-27T22:01	2006-09-27T22:52	unexplained missing telemetry
51	661	2006-09-27T22:52	2006-09-27T23:42	unexplained missing telemetry
51	662	2006-09-27T23:42	2006-09-28T00:32	unexplained missing telemetry
51	663	2006-09-28T00:32	2006-09-28T01:22	unexplained missing telemetry
51	664	2006-09-28T01:22	2006-09-28T02:13	unexplained missing telemetry
51	665	2006-09-28T02:13	2006-09-28T03:03	unexplained missing telemetry
51	666	2006-09-28T03:03	2006-09-28T03:53	unexplained missing telemetry
51	667	2006-09-28T03:53	2006-09-28T04:44	unexplained missing telemetry
51	668	2006-09-28T04:44	2006-09-28T05:34	unexplained missing telemetry
51	669	2006-09-28T05:34	2006-09-28T06:24	unexplained missing telemetry
51	686	2006-09-28T19:49	2006-09-28T20:39	unexplained missing telemetry
51	687	2006-09-28T20:39	2006-09-28T21:30	unexplained missing telemetry
51	688	2006-09-28T21:30	2006-09-28T22:20	unexplained missing telemetry
51	689	2006-09-28T22:20	2006-09-28T23:10	unexplained missing telemetry
51	690	2006-09-28T23:10	2006-09-29T00:01	unexplained missing telemetry
51	691	2006-09-29T00:01	2006-09-29T00:51	unexplained missing telemetry
51	692	2006-09-29T00:51	2006-09-29T01:41	unexplained missing telemetry
51	693	2006-09-29T01:41	2006-09-29T02:31	unexplained missing telemetry
51	694	2006-09-29T02:31	2006-09-29T03:22	unexplained missing telemetry
51	695	2006-09-29T03:22	2006-09-29T04:12	unexplained missing telemetry
51	696	2006-09-29T04:12	2006-09-29T05:02	unexplained missing telemetry

51	697	2006-09-29T05:02	2006-09-29T05:53	unexplained missing telemetry
51	716	2006-09-29T20:58	2006-09-29T21:48	unexplained missing telemetry
51	717	2006-09-29T21:48	2006-09-29T22:39	unexplained missing telemetry
51	718	2006-09-29T22:39	2006-09-29T23:29	unexplained missing telemetry
51	719	2006-09-29T23:29	2006-09-30T00:19	unexplained missing telemetry
51	720	2006-09-30T00:19	2006-09-30T01:10	unexplained missing telemetry
51	721	2006-09-30T01:10	2006-09-30T02:00	unexplained missing telemetry
51	722	2006-09-30T02:00	2006-09-30T02:50	unexplained missing telemetry
51	723	2006-09-30T02:50	2006-09-30T03:40	unexplained missing telemetry
51	724	2006-09-30T03:40	2006-09-30T04:31	unexplained missing telemetry
51	725	2006-09-30T04:31	2006-09-30T05:21	unexplained missing telemetry
51	744	2006-09-30T20:26	2006-09-30T21:17	unexplained missing telemetry
51	745	2006-09-30T21:17	2006-09-30T22:07	unexplained missing telemetry
51	746	2006-09-30T22:07	2006-09-30T22:57	unexplained missing telemetry
51	747	2006-09-30T22:57	2006-09-30T23:48	unexplained missing telemetry
51	748	2006-09-30T23:48	2006-10-01T00:38	unexplained missing telemetry
51	749	2006-10-01T00:38	2006-10-01T01:28	unexplained missing telemetry
51	750	2006-10-01T01:28	2006-10-01T02:18	unexplained missing telemetry
51	751	2006-10-01T02:18	2006-10-01T03:09	unexplained missing telemetry
51	752	2006-10-01T03:09	2006-10-01T03:59	unexplained missing telemetry
51	753	2006-10-01T03:59	2006-10-01T04:49	unexplained missing telemetry
51	754	2006-10-01T04:49	2006-10-01T05:40	unexplained missing telemetry
51	755	2006-10-01T05:40	2006-10-01T06:30	unexplained missing telemetry
52	402	2006-10-23T21:44	2006-10-23T22:34	unexplained missing telemetry
52	490	2006-10-26T23:30	2006-10-27T00:21	unexplained missing telemetry
52	574	2006-10-29T21:56	2006-10-29T22:46	unexplained missing telemetry
52	575	2006-10-29T22:46	2006-10-29T23:36	unexplained missing telemetry
52	576	2006-10-29T23:36	2006-10-30T00:26	unexplained missing telemetry
52	577	2006-10-30T00:26	2006-10-30T01:17	unexplained missing telemetry
52	578	2006-10-30T01:17	2006-10-30T02:07	unexplained missing telemetry
52	579	2006-10-30T02:07	2006-10-30T02:57	unexplained missing telemetry
52	580	2006-10-30T02:57	2006-10-30T03:48	unexplained missing telemetry
52	581	2006-10-30T03:48	2006-10-30T04:38	unexplained missing telemetry
52	582	2006-10-30T04:38	2006-10-30T05:28	unexplained missing telemetry
52	583	2006-10-30T05:28	2006-10-30T06:19	unexplained missing telemetry
52	776	2006-11-05T23:16	2006-11-06T00:06	unexplained missing telemetry
53	204	2006-11-20T23:45	2006-11-21T00:35	unexplained missing telemetry
53	413	2006-11-28T06:57	2006-11-28T07:48	unexplained missing telemetry
53	414	2006-11-28T07:48	2006-11-28T08:38	Correction –Service Module Memory Maintenance(EN-U
53	415	2006-11-28T08:38	2006-11-28T09:28	Correction –Service Module Memory Maintenance(EN-U
53	416	2006-11-28T09:28	2006-11-28T10:19	Correction –Service Module Memory Maintenance(EN-U
53	417	2006-11-28T10:19	2006-11-28T11:09	Correction –Service Module Memory Maintenance(EN-U
53	418	2006-11-28T11:09	2006-11-28T11:59	Correction –Service Module Memory Maintenance(EN-U
53	419	2006-11-28T11:59	2006-11-28T12:49	Correction –Service Module Memory Maintenance(EN-U
53	420	2006-11-28T12:49	2006-11-28T13:40	Correction –Service Module Memory Maintenance(EN-U
53	421	2006-11-28T13:40	2006-11-28T14:30	Correction –Service Module Memory Maintenance(EN-U
53	422	2006-11-28T14:30	2006-11-28T15:20	Correction –Service Module Memory Maintenance(EN-U
53	423	2006-11-28T15:20	2006-11-28T16:11	Correction –Service Module Memory Maintenance(EN-U

53	424	2006-11-28T16:11	2006-11-28T17:01	Correction –Service Module Memory Maintenance(EN-U
53	425	2006-11-28T17:01	2006-11-28T17:51	Correction –Service Module Memory Maintenance(EN-U
53	426	2006-11-28T17:51	2006-11-28T18:42	Correction –Service Module Memory Maintenance(EN-U
53	427	2006-11-28T18:42	2006-11-28T19:32	Correction –Service Module Memory Maintenance(EN-U
53	428	2006-11-28T19:32	2006-11-28T20:22	Correction –Service Module Memory Maintenance(EN-U
53	429	2006-11-28T20:22	2006-11-28T21:12	Correction –Service Module Memory Maintenance(EN-U
53	430	2006-11-28T21:12	2006-11-28T22:03	Correction –Service Module Memory Maintenance(EN-U
53	431	2006-11-28T22:03	2006-11-28T22:53	Correction –Service Module Memory Maintenance(EN-U
53	432	2006-11-28T22:53	2006-11-28T23:43	Correction –Service Module Memory Maintenance(EN-U
53	433	2006-11-28T23:43	2006-11-29T00:34	Correction –Service Module Memory Maintenance(EN-U
53	434	2006-11-29T00:34	2006-11-29T01:24	Correction –Service Module Memory Maintenance(EN-U
53	435	2006-11-29T01:24	2006-11-29T02:14	Correction –Service Module Memory Maintenance(EN-U
53	436	2006-11-29T02:14	2006-11-29T03:05	Correction –Service Module Memory Maintenance(EN-U
53	437	2006-11-29T03:05	2006-11-29T03:55	Correction –Service Module Memory Maintenance(EN-U
53	438	2006-11-29T03:55	2006-11-29T04:45	Correction –Service Module Memory Maintenance(EN-U
53	439	2006-11-29T04:45	2006-11-29T05:35	Correction –Service Module Memory Maintenance(EN-U
53	440	2006-11-29T05:35	2006-11-29T06:26	Correction –Service Module Memory Maintenance(EN-U
53	441	2006-11-29T06:26	2006-11-29T07:16	Correction –Service Module Memory Maintenance(EN-U
53	442	2006-11-29T07:16	2006-11-29T08:06	Correction –Service Module Memory Maintenance(EN-U
53	443	2006-11-29T08:06	2006-11-29T08:57	Correction –Service Module Memory Maintenance(EN-U
53	444	2006-11-29T08:57	2006-11-29T09:47	Correction –Service Module Memory Maintenance(EN-U
53	445	2006-11-29T09:47	2006-11-29T10:37	Correction –Service Module Memory Maintenance(EN-U
53	446	2006-11-29T10:37	2006-11-29T11:28	Correction –Service Module Memory Maintenance(EN-U
53	447	2006-11-29T11:28	2006-11-29T12:18	Correction –Service Module Memory Maintenance(EN-U
53	448	2006-11-29T12:18	2006-11-29T13:08	Correction –Service Module Memory Maintenance(EN-U
53	449	2006-11-29T13:08	2006-11-29T13:58	Correction –Service Module Memory Maintenance(EN-U
53	450	2006-11-29T13:58	2006-11-29T14:49	Correction –Service Module Memory Maintenance(EN-U
53	451	2006-11-29T14:49	2006-11-29T15:39	Correction –Service Module Memory Maintenance(EN-U
53	452	2006-11-29T15:39	2006-11-29T16:29	Correction –Service Module Memory Maintenance(EN-U
53	453	2006-11-29T16:29	2006-11-29T17:20	Correction –Service Module Memory Maintenance(EN-U
53	454	2006-11-29T17:20	2006-11-29T18:10	Correction –Service Module Memory Maintenance(EN-U
53	455	2006-11-29T18:10	2006-11-29T19:00	Correction –Service Module Memory Maintenance(EN-U
53	456	2006-11-29T19:00	2006-11-29T19:50	Correction –Service Module Memory Maintenance(EN-U
53	457	2006-11-29T19:50	2006-11-29T20:41	Correction –Service Module Memory Maintenance(EN-U
53	458	2006-11-29T20:41	2006-11-29T21:31	Correction –Service Module Memory Maintenance(EN-U
53	459	2006-11-29T21:31	2006-11-29T22:21	Correction –Service Module Memory Maintenance(EN-U
53	460	2006-11-29T22:21	2006-11-29T23:12	Correction –Service Module Memory Maintenance(EN-U
53	461	2006-11-29T23:12	2006-11-30T00:02	Correction –Service Module Memory Maintenance(EN-U
53	462	2006-11-30T00:02	2006-11-30T00:52	Correction –Service Module Memory Maintenance(EN-U
53	463	2006-11-30T00:52	2006-11-30T01:43	Correction –Service Module Memory Maintenance(EN-U
53	464	2006-11-30T01:43	2006-11-30T02:33	Correction –Service Module Memory Maintenance(EN-U
53	465	2006-11-30T02:33	2006-11-30T03:23	Correction –Service Module Memory Maintenance(EN-U
53	466	2006-11-30T03:23	2006-11-30T04:13	Correction –Service Module Memory Maintenance(EN-U
53	467	2006-11-30T04:13	2006-11-30T05:04	Correction –Service Module Memory Maintenance(EN-U
53	468	2006-11-30T05:04	2006-11-30T05:54	Correction –Service Module Memory Maintenance(EN-U
53	469	2006-11-30T05:54	2006-11-30T06:44	Correction –Service Module Memory Maintenance(EN-U
53	470	2006-11-30T06:44	2006-11-30T07:35	Correction –Service Module Memory Maintenance(EN-U
53	471	2006-11-30T07:35	2006-11-30T08:25	Correction –Service Module Memory Maintenance(EN-U

53	472	2006-11-30T08:25	2006-11-30T09:15	Correction –Service Module Memory Maintenance(EN-U
53	473	2006-11-30T09:15	2006-11-30T10:06	Correction –Service Module Memory Maintenance(EN-U
53	474	2006-11-30T10:06	2006-11-30T10:56	Correction –Service Module Memory Maintenance(EN-U
53	475	2006-11-30T10:56	2006-11-30T11:46	Correction –Service Module Memory Maintenance(EN-U
53	826	2006-12-12T17:11	2006-12-12T18:01	unexplained missing telemetry
53	827	2006-12-12T18:01	2006-12-12T18:52	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	828	2006-12-12T18:52	2006-12-12T19:42	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	829	2006-12-12T19:42	2006-12-12T20:32	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	830	2006-12-12T20:32	2006-12-12T21:22	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	831	2006-12-12T21:22	2006-12-12T22:13	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	832	2006-12-12T22:13	2006-12-12T23:03	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	833	2006-12-12T23:03	2006-12-12T23:53	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	834	2006-12-12T23:53	2006-12-13T00:44	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	835	2006-12-13T00:44	2006-12-13T01:34	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	836	2006-12-13T01:34	2006-12-13T02:24	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	837	2006-12-13T02:24	2006-12-13T03:15	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	838	2006-12-13T03:15	2006-12-13T04:05	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	839	2006-12-13T04:05	2006-12-13T04:55	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	840	2006-12-13T04:55	2006-12-13T05:45	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	841	2006-12-13T05:45	2006-12-13T06:36	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	842	2006-12-13T06:36	2006-12-13T07:26	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	843	2006-12-13T07:26	2006-12-13T08:16	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	844	2006-12-13T08:16	2006-12-13T09:07	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	845	2006-12-13T09:07	2006-12-13T09:57	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	846	2006-12-13T09:57	2006-12-13T10:47	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	847	2006-12-13T10:47	2006-12-13T11:38	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	848	2006-12-13T11:38	2006-12-13T12:28	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	849	2006-12-13T12:28	2006-12-13T13:18	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	850	2006-12-13T13:18	2006-12-13T14:08	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	851	2006-12-13T14:08	2006-12-13T14:59	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	852	2006-12-13T14:59	2006-12-13T15:49	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	853	2006-12-13T15:49	2006-12-13T16:39	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	854	2006-12-13T16:39	2006-12-13T17:30	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	855	2006-12-13T17:30	2006-12-13T18:20	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	856	2006-12-13T18:20	2006-12-13T19:10	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	857	2006-12-13T19:10	2006-12-13T20:01	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	858	2006-12-13T20:01	2006-12-13T20:51	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	859	2006-12-13T20:51	2006-12-13T21:41	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	860	2006-12-13T21:41	2006-12-13T22:31	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	861	2006-12-13T22:31	2006-12-13T23:22	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	862	2006-12-13T23:22	2006-12-14T00:12	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	863	2006-12-14T00:12	2006-12-14T01:02	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	864	2006-12-14T01:02	2006-12-14T01:53	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	865	2006-12-14T01:53	2006-12-14T02:43	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	866	2006-12-14T02:43	2006-12-14T03:33	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	867	2006-12-14T03:33	2006-12-14T04:24	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	868	2006-12-14T04:24	2006-12-14T05:14	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	869	2006-12-14T05:14	2006-12-14T06:04	HSM protocol error and interrupt(EN-UNA-2006/0370)

53	870	2006-12-14T06:04	2006-12-14T06:54	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	871	2006-12-14T06:54	2006-12-14T07:45	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	872	2006-12-14T07:45	2006-12-14T08:35	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	873	2006-12-14T08:35	2006-12-14T09:25	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	874	2006-12-14T09:25	2006-12-14T10:16	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	875	2006-12-14T10:16	2006-12-14T11:06	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	876	2006-12-14T11:06	2006-12-14T11:56	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	877	2006-12-14T11:56	2006-12-14T12:47	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	878	2006-12-14T12:47	2006-12-14T13:37	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	879	2006-12-14T13:37	2006-12-14T14:27	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	880	2006-12-14T14:27	2006-12-14T15:17	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	881	2006-12-14T15:17	2006-12-14T16:08	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	882	2006-12-14T16:08	2006-12-14T16:58	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	883	2006-12-14T16:58	2006-12-14T17:48	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	884	2006-12-14T17:48	2006-12-14T18:39	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	885	2006-12-14T18:39	2006-12-14T19:29	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	886	2006-12-14T19:29	2006-12-14T20:19	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	887	2006-12-14T20:19	2006-12-14T21:10	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	888	2006-12-14T21:10	2006-12-14T22:00	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	889	2006-12-14T22:00	2006-12-14T22:50	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	890	2006-12-14T22:50	2006-12-14T23:40	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	891	2006-12-14T23:40	2006-12-15T00:31	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	892	2006-12-15T00:31	2006-12-15T01:21	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	893	2006-12-15T01:21	2006-12-15T02:11	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	894	2006-12-15T02:11	2006-12-15T03:02	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	895	2006-12-15T03:02	2006-12-15T03:52	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	896	2006-12-15T03:52	2006-12-15T04:42	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	897	2006-12-15T04:42	2006-12-15T05:33	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	898	2006-12-15T05:33	2006-12-15T06:23	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	899	2006-12-15T06:23	2006-12-15T07:13	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	900	2006-12-15T07:13	2006-12-15T08:03	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	901	2006-12-15T08:03	2006-12-15T08:54	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	902	2006-12-15T08:54	2006-12-15T09:44	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	903	2006-12-15T09:44	2006-12-15T10:34	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	904	2006-12-15T10:34	2006-12-15T11:25	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	905	2006-12-15T11:25	2006-12-15T12:15	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	906	2006-12-15T12:15	2006-12-15T13:05	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	907	2006-12-15T13:05	2006-12-15T13:56	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	908	2006-12-15T13:56	2006-12-15T14:46	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	909	2006-12-15T14:46	2006-12-15T15:36	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	910	2006-12-15T15:36	2006-12-15T16:26	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	911	2006-12-15T16:26	2006-12-15T17:17	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	912	2006-12-15T17:17	2006-12-15T18:07	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	913	2006-12-15T18:07	2006-12-15T18:57	HSM protocol error and interrupt(EN-UNA-2006/0370)
53	914	2006-12-15T18:57	2006-12-15T19:48	unexplained missing telemetry
53	915	2006-12-15T19:48	2006-12-15T20:38	unexplained missing telemetry
53	916	2006-12-15T20:38	2006-12-15T21:28	unexplained missing telemetry
53	917	2006-12-15T21:28	2006-12-15T22:19	unexplained missing telemetry

53	918	2006-12-15T22:19	2006-12-15T23:09	unexplained missing telemetry
53	919	2006-12-15T23:09	2006-12-15T23:59	unexplained missing telemetry
53	920	2006-12-15T23:59	2006-12-16T00:49	unexplained missing telemetry
53	921	2006-12-16T00:49	2006-12-16T01:40	unexplained missing telemetry
53	922	2006-12-16T01:40	2006-12-16T02:30	unexplained missing telemetry
53	923	2006-12-16T02:30	2006-12-16T03:20	unexplained missing telemetry
53	953	2006-12-17T03:39	2006-12-17T04:29	unexplained missing telemetry
54	123	2006-12-23T03:50	2006-12-23T04:41	unexplained missing telemetry
54	131	2006-12-23T10:33	2006-12-23T11:23	unexplained missing telemetry
54	159	2006-12-24T10:01	2006-12-24T10:52	High Speed Multiplexer (HSM) failure(EN-UNA-2006/037
54	197	2006-12-25T17:53	2006-12-25T18:43	unexplained missing telemetry
54	198	2006-12-25T18:43	2006-12-25T19:33	unexplained missing telemetry
54	215	2006-12-26T08:58	2006-12-26T09:48	unexplained missing telemetry
54	217	2006-12-26T10:39	2006-12-26T11:29	unexplained missing telemetry
54	245	2006-12-27T10:07	2006-12-27T10:57	unexplained missing telemetry
54	246	2006-12-27T10:57	2006-12-27T11:48	unexplained missing telemetry
54	247	2006-12-27T11:48	2006-12-27T12:38	unexplained missing telemetry
54	250	2006-12-27T14:18	2006-12-27T15:09	High Speed Multiplexer (HSM) input reset(EN-UNA-2006
54	251	2006-12-27T15:09	2006-12-27T15:59	High Speed Multiplexer (HSM) input reset(EN-UNA-2006
54	252	2006-12-27T15:59	2006-12-27T16:49	High Speed Multiplexer (HSM) input reset(EN-UNA-2006
54	253	2006-12-27T16:49	2006-12-27T17:40	High Speed Multiplexer (HSM) input reset(EN-UNA-2006
54	348	2006-12-31T00:28	2006-12-31T01:18	unexplained missing telemetry
54	349	2006-12-31T01:18	2006-12-31T02:08	unexplained missing telemetry
54	350	2006-12-31T02:08	2006-12-31T02:59	unexplained missing telemetry
54	351	2006-12-31T02:59	2006-12-31T03:49	unexplained missing telemetry
54	352	2006-12-31T03:49	2006-12-31T04:39	unexplained missing telemetry
54	353	2006-12-31T04:39	2006-12-31T05:30	unexplained missing telemetry
54	495	2007-01-05T03:42	2007-01-05T04:32	unexplained missing telemetry
54	830	2007-01-16T20:32	2007-01-16T21:22	unexplained missing telemetry
55	2	2007-01-22T22:24	2007-01-22T23:14	unexplained missing telemetry
55	28	2007-01-23T20:12	2007-01-23T21:02	unexplained missing telemetry
55	37	2007-01-24T03:45	2007-01-24T04:35	unexplained missing telemetry
55	148	2007-01-28T00:48	2007-01-28T01:38	unexplained missing telemetry
55	177	2007-01-29T01:07	2007-01-29T01:57	unexplained missing telemetry
55	178	2007-01-29T01:57	2007-01-29T02:47	unexplained missing telemetry
55	179	2007-01-29T02:47	2007-01-29T03:37	unexplained missing telemetry
55	192	2007-01-29T13:41	2007-01-29T14:31	unexplained missing telemetry
55	232	2007-01-30T23:13	2007-01-31T00:03	unexplained missing telemetry
55	237	2007-01-31T03:25	2007-01-31T04:15	unexplained missing telemetry
55	238	2007-01-31T04:15	2007-01-31T05:05	unexplained missing telemetry
55	239	2007-01-31T05:05	2007-01-31T05:55	unexplained missing telemetry
55	260	2007-01-31T22:41	2007-01-31T23:32	unexplained missing telemetry
55	514	2007-02-09T19:37	2007-02-09T20:28	unexplained missing telemetry
55	667	2007-02-15T03:53	2007-02-15T04:44	unexplained missing telemetry
55	668	2007-02-15T04:44	2007-02-15T05:34	unexplained missing telemetry
55	669	2007-02-15T05:34	2007-02-15T06:24	unexplained missing telemetry
55	720	2007-02-17T00:19	2007-02-17T01:09	unexplained missing telemetry
55	778	2007-02-19T00:57	2007-02-19T01:47	unexplained missing telemetry

55	925	2007-02-24T04:11	2007-02-24T05:01	unexplained missing telemetry
55	926	2007-02-24T05:01	2007-02-24T05:51	unexplained missing telemetry
55	927	2007-02-24T05:51	2007-02-24T06:41	unexplained missing telemetry
55	963	2007-02-25T12:02	2007-02-25T12:52	unexplained missing telemetry
56	84	2007-03-01T19:09	2007-03-01T19:59	unexplained missing telemetry
56	93	2007-03-02T02:41	2007-03-02T03:32	unexplained missing telemetry
56	97	2007-03-02T06:03	2007-03-02T06:53	unexplained missing telemetry
56	170	2007-03-04T19:14	2007-03-04T20:05	unexplained missing telemetry
56	551	2007-03-18T02:39	2007-03-18T03:29	unexplained missing telemetry
56	1002	2007-04-02T20:44	2007-04-02T21:34	unexplained missing telemetry
57	1	2007-04-02T21:34	2007-04-02T22:24	unexplained missing telemetry
57	2	2007-04-02T22:24	2007-04-02T23:14	unexplained missing telemetry
57	3	2007-04-02T23:14	2007-04-03T00:05	unexplained missing telemetry
57	4	2007-04-03T00:05	2007-04-03T00:55	unexplained missing telemetry
57	5	2007-04-03T00:55	2007-04-03T01:45	unexplained missing telemetry
57	406	2007-04-17T01:05	2007-04-17T01:55	unexplained missing telemetry
57	488	2007-04-19T21:50	2007-04-19T22:40	unexplained missing telemetry
57	542	2007-04-21T19:06	2007-04-21T19:56	unexplained missing telemetry
57	654	2007-04-25T16:59	2007-04-25T17:50	unexplained missing telemetry
57	655	2007-04-25T17:50	2007-04-25T18:40	unexplained missing telemetry
57	656	2007-04-25T18:40	2007-04-25T19:30	unexplained missing telemetry
57	716	2007-04-27T20:58	2007-04-27T21:48	unexplained missing telemetry
57	770	2007-04-29T18:14	2007-04-29T19:04	unexplained missing telemetry
57	783	2007-04-30T05:08	2007-04-30T05:58	unexplained missing telemetry
57	845	2007-05-02T09:07	2007-05-02T09:57	unexplained missing telemetry
58	385	2007-05-21T07:29	2007-05-21T08:19	unexplained missing telemetry
58	434	2007-05-23T00:34	2007-05-23T01:24	unexplained missing telemetry
58	435	2007-05-23T01:24	2007-05-23T02:14	unexplained missing telemetry
58	536	2007-05-26T14:04	2007-05-26T14:54	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	537	2007-05-26T14:54	2007-05-26T15:45	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	538	2007-05-26T15:45	2007-05-26T16:35	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	539	2007-05-26T16:35	2007-05-26T17:25	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	540	2007-05-26T17:25	2007-05-26T18:16	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	541	2007-05-26T18:16	2007-05-26T19:06	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	542	2007-05-26T19:06	2007-05-26T19:56	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	543	2007-05-26T19:56	2007-05-26T20:47	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	544	2007-05-26T20:47	2007-05-26T21:37	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	545	2007-05-26T21:37	2007-05-26T22:27	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	546	2007-05-26T22:27	2007-05-26T23:17	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	547	2007-05-26T23:17	2007-05-27T00:08	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	548	2007-05-27T00:08	2007-05-27T00:58	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	549	2007-05-27T00:58	2007-05-27T01:48	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	550	2007-05-27T01:48	2007-05-27T02:39	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	551	2007-05-27T02:39	2007-05-27T03:29	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	552	2007-05-27T03:29	2007-05-27T04:19	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	553	2007-05-27T04:19	2007-05-27T05:09	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	554	2007-05-27T05:09	2007-05-27T06:00	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	555	2007-05-27T06:00	2007-05-27T06:50	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)

58	556	2007-05-27T06:50	2007-05-27T07:40	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	557	2007-05-27T07:40	2007-05-27T08:31	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	558	2007-05-27T08:31	2007-05-27T09:21	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	559	2007-05-27T09:21	2007-05-27T10:11	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	560	2007-05-27T10:11	2007-05-27T11:02	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	561	2007-05-27T11:02	2007-05-27T11:52	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	562	2007-05-27T11:52	2007-05-27T12:42	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	563	2007-05-27T12:42	2007-05-27T13:32	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	564	2007-05-27T13:32	2007-05-27T14:23	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	565	2007-05-27T14:23	2007-05-27T15:13	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	566	2007-05-27T15:13	2007-05-27T16:03	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	567	2007-05-27T16:03	2007-05-27T16:54	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	568	2007-05-27T16:54	2007-05-27T17:44	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	569	2007-05-27T17:44	2007-05-27T18:34	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	570	2007-05-27T18:34	2007-05-27T19:25	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	571	2007-05-27T19:25	2007-05-27T20:15	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	572	2007-05-27T20:15	2007-05-27T21:05	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	573	2007-05-27T21:05	2007-05-27T21:55	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	574	2007-05-27T21:55	2007-05-27T22:46	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	575	2007-05-27T22:46	2007-05-27T23:36	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	576	2007-05-27T23:36	2007-05-28T00:26	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	577	2007-05-28T00:26	2007-05-28T01:17	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	578	2007-05-28T01:17	2007-05-28T02:07	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	579	2007-05-28T02:07	2007-05-28T02:57	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	580	2007-05-28T02:57	2007-05-28T03:48	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	581	2007-05-28T03:48	2007-05-28T04:38	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	582	2007-05-28T04:38	2007-05-28T05:28	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	583	2007-05-28T05:28	2007-05-28T06:18	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	584	2007-05-28T06:18	2007-05-28T07:09	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	585	2007-05-28T07:09	2007-05-28T07:59	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	586	2007-05-28T07:59	2007-05-28T08:49	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	587	2007-05-28T08:49	2007-05-28T09:40	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	588	2007-05-28T09:40	2007-05-28T10:30	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	589	2007-05-28T10:30	2007-05-28T11:20	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	590	2007-05-28T11:20	2007-05-28T12:11	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	591	2007-05-28T12:11	2007-05-28T13:01	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	592	2007-05-28T13:01	2007-05-28T13:51	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	593	2007-05-28T13:51	2007-05-28T14:41	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	594	2007-05-28T14:41	2007-05-28T15:32	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	595	2007-05-28T15:32	2007-05-28T16:22	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	596	2007-05-28T16:22	2007-05-28T17:12	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	597	2007-05-28T17:12	2007-05-28T18:03	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	598	2007-05-28T18:03	2007-05-28T18:53	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	599	2007-05-28T18:53	2007-05-28T19:43	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	600	2007-05-28T19:43	2007-05-28T20:34	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	601	2007-05-28T20:34	2007-05-28T21:24	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	602	2007-05-28T21:24	2007-05-28T22:14	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	603	2007-05-28T22:14	2007-05-28T23:04	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)

58	604	2007-05-28T23:04	2007-05-28T23:55	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	605	2007-05-28T23:55	2007-05-29T00:45	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	606	2007-05-29T00:45	2007-05-29T01:35	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	607	2007-05-29T01:35	2007-05-29T02:26	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	608	2007-05-29T02:26	2007-05-29T03:16	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	609	2007-05-29T03:16	2007-05-29T04:06	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	610	2007-05-29T04:06	2007-05-29T04:57	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	611	2007-05-29T04:57	2007-05-29T05:47	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	612	2007-05-29T05:47	2007-05-29T06:37	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	613	2007-05-29T06:37	2007-05-29T07:27	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	614	2007-05-29T07:27	2007-05-29T08:18	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	615	2007-05-29T08:18	2007-05-29T09:08	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	616	2007-05-29T09:08	2007-05-29T09:58	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	617	2007-05-29T09:58	2007-05-29T10:49	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	618	2007-05-29T10:49	2007-05-29T11:39	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	619	2007-05-29T11:39	2007-05-29T12:29	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	620	2007-05-29T12:29	2007-05-29T13:20	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	621	2007-05-29T13:20	2007-05-29T14:10	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	622	2007-05-29T14:10	2007-05-29T15:00	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	623	2007-05-29T15:00	2007-05-29T15:50	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	624	2007-05-29T15:50	2007-05-29T16:41	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	625	2007-05-29T16:41	2007-05-29T17:31	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	626	2007-05-29T17:31	2007-05-29T18:21	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	627	2007-05-29T18:21	2007-05-29T19:12	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	628	2007-05-29T19:12	2007-05-29T20:02	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	629	2007-05-29T20:02	2007-05-29T20:52	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	630	2007-05-29T20:52	2007-05-29T21:43	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	631	2007-05-29T21:43	2007-05-29T22:33	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	632	2007-05-29T22:33	2007-05-29T23:23	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	633	2007-05-29T23:23	2007-05-30T00:13	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	634	2007-05-30T00:13	2007-05-30T01:04	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	635	2007-05-30T01:04	2007-05-30T01:54	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	636	2007-05-30T01:54	2007-05-30T02:44	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	637	2007-05-30T02:44	2007-05-30T03:35	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	638	2007-05-30T03:35	2007-05-30T04:25	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	639	2007-05-30T04:25	2007-05-30T05:15	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	640	2007-05-30T05:15	2007-05-30T06:06	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	641	2007-05-30T06:06	2007-05-30T06:56	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	642	2007-05-30T06:56	2007-05-30T07:46	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	643	2007-05-30T07:46	2007-05-30T08:36	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	644	2007-05-30T08:36	2007-05-30T09:27	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	645	2007-05-30T09:27	2007-05-30T10:17	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	646	2007-05-30T10:17	2007-05-30T11:07	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	647	2007-05-30T11:07	2007-05-30T11:58	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	648	2007-05-30T11:58	2007-05-30T12:48	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
58	649	2007-05-30T12:48	2007-05-30T13:38	MWR in Standby and Refuse Mode(EN-UNA-2007/0132)
59	660	2007-07-04T22:01	2007-07-04T22:52	unexplained missing telemetry
60	331	2007-07-28T10:13	2007-07-28T11:03	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)

60	332	2007-07-28T11:03	2007-07-28T11:53	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	333	2007-07-28T11:53	2007-07-28T12:44	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	334	2007-07-28T12:44	2007-07-28T13:34	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	335	2007-07-28T13:34	2007-07-28T14:24	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	336	2007-07-28T14:24	2007-07-28T15:15	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	337	2007-07-28T15:15	2007-07-28T16:05	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	338	2007-07-28T16:05	2007-07-28T16:55	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	339	2007-07-28T16:55	2007-07-28T17:45	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	340	2007-07-28T17:45	2007-07-28T18:36	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	341	2007-07-28T18:36	2007-07-28T19:26	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	342	2007-07-28T19:26	2007-07-28T20:16	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	343	2007-07-28T20:16	2007-07-28T21:07	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	344	2007-07-28T21:07	2007-07-28T21:57	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	345	2007-07-28T21:57	2007-07-28T22:47	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	346	2007-07-28T22:47	2007-07-28T23:38	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	347	2007-07-28T23:38	2007-07-29T00:28	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	348	2007-07-29T00:28	2007-07-29T01:18	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	349	2007-07-29T01:18	2007-07-29T02:08	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	350	2007-07-29T02:08	2007-07-29T02:59	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	351	2007-07-29T02:59	2007-07-29T03:49	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	352	2007-07-29T03:49	2007-07-29T04:39	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	353	2007-07-29T04:39	2007-07-29T05:30	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	354	2007-07-29T05:30	2007-07-29T06:20	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	355	2007-07-29T06:20	2007-07-29T07:10	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	356	2007-07-29T07:10	2007-07-29T08:01	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	357	2007-07-29T08:01	2007-07-29T08:51	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	358	2007-07-29T08:51	2007-07-29T09:41	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	359	2007-07-29T09:41	2007-07-29T10:31	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	360	2007-07-29T10:31	2007-07-29T11:22	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	361	2007-07-29T11:22	2007-07-29T12:12	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	362	2007-07-29T12:12	2007-07-29T13:02	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	363	2007-07-29T13:02	2007-07-29T13:53	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	364	2007-07-29T13:53	2007-07-29T14:43	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	365	2007-07-29T14:43	2007-07-29T15:33	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	366	2007-07-29T15:33	2007-07-29T16:24	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	367	2007-07-29T16:24	2007-07-29T17:14	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	368	2007-07-29T17:14	2007-07-29T18:04	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	369	2007-07-29T18:04	2007-07-29T18:54	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	370	2007-07-29T18:54	2007-07-29T19:45	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	371	2007-07-29T19:45	2007-07-29T20:35	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	372	2007-07-29T20:35	2007-07-29T21:25	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	373	2007-07-29T21:25	2007-07-29T22:16	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	374	2007-07-29T22:16	2007-07-29T23:06	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	375	2007-07-29T23:06	2007-07-29T23:56	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	376	2007-07-29T23:56	2007-07-30T00:47	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	377	2007-07-30T00:47	2007-07-30T01:37	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	378	2007-07-30T01:37	2007-07-30T02:27	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	379	2007-07-30T02:27	2007-07-30T03:17	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)

60	380	2007-07-30T03:17	2007-07-30T04:08	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	381	2007-07-30T04:08	2007-07-30T04:58	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	382	2007-07-30T04:58	2007-07-30T05:48	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	383	2007-07-30T05:48	2007-07-30T06:39	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	384	2007-07-30T06:39	2007-07-30T07:29	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	385	2007-07-30T07:29	2007-07-30T08:19	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	386	2007-07-30T08:19	2007-07-30T09:10	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	387	2007-07-30T09:10	2007-07-30T10:00	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	388	2007-07-30T10:00	2007-07-30T10:50	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	389	2007-07-30T10:50	2007-07-30T11:40	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	390	2007-07-30T11:40	2007-07-30T12:31	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	391	2007-07-30T12:31	2007-07-30T13:21	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	392	2007-07-30T13:21	2007-07-30T14:11	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	393	2007-07-30T14:11	2007-07-30T15:02	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	394	2007-07-30T15:02	2007-07-30T15:52	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	395	2007-07-30T15:52	2007-07-30T16:42	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	396	2007-07-30T16:42	2007-07-30T17:33	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	397	2007-07-30T17:33	2007-07-30T18:23	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	398	2007-07-30T18:23	2007-07-30T19:13	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	399	2007-07-30T19:13	2007-07-30T20:03	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	400	2007-07-30T20:03	2007-07-30T20:54	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	401	2007-07-30T20:54	2007-07-30T21:44	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	402	2007-07-30T21:44	2007-07-30T22:34	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	403	2007-07-30T22:34	2007-07-30T23:25	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	404	2007-07-30T23:25	2007-07-31T00:15	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	405	2007-07-31T00:15	2007-07-31T01:05	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	406	2007-07-31T01:05	2007-07-31T01:55	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	407	2007-07-31T01:55	2007-07-31T02:46	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	408	2007-07-31T02:46	2007-07-31T03:36	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	409	2007-07-31T03:36	2007-07-31T04:26	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	410	2007-07-31T04:26	2007-07-31T05:17	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	411	2007-07-31T05:17	2007-07-31T06:07	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	412	2007-07-31T06:07	2007-07-31T06:57	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	413	2007-07-31T06:57	2007-07-31T07:48	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	414	2007-07-31T07:48	2007-07-31T08:38	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	415	2007-07-31T08:38	2007-07-31T09:28	DORIS/MWR in Reset Mode(EN-UNA-2007/0192)
60	920	2007-08-17T23:59	2007-08-18T00:49	unexplained missing telemetry
61	57	2007-08-22T20:31	2007-08-22T21:21	unexplained missing telemetry
61	677	2007-09-13T12:16	2007-09-13T13:07	unexplained missing telemetry
61	993	2007-09-24T13:11	2007-09-24T14:01	Payload switch-offdue to Service Module Anomaly (EN-U
61	994	2007-09-24T14:01	2007-09-24T14:51	Payload switch-offdue to Service Module Anomaly (EN-U
61	995	2007-09-24T14:51	2007-09-24T15:42	Payload switch-offdue to Service Module Anomaly (EN-U
61	996	2007-09-24T15:42	2007-09-24T16:32	Payload switch-offdue to Service Module Anomaly (EN-U
61	997	2007-09-24T16:32	2007-09-24T17:22	Payload switch-offdue to Service Module Anomaly (EN-U
61	998	2007-09-24T17:22	2007-09-24T18:13	Payload switch-offdue to Service Module Anomaly (EN-U
61	999	2007-09-24T18:13	2007-09-24T19:03	Payload switch-offdue to Service Module Anomaly (EN-U
61	1000	2007-09-24T19:03	2007-09-24T19:53	Payload switch-offdue to Service Module Anomaly (EN-U
61	1001	2007-09-24T19:53	2007-09-24T20:44	Payload switch-offdue to Service Module Anomaly (EN-U

61	1002	2007-09-24T20:44	2007-09-24T21:34	Payload switch-offdue to Service Module Anomaly (EN-U
62	1	2007-09-24T21:34	2007-09-24T22:24	Payload switch-offdue to Service Module Anomaly (EN-U
62	2	2007-09-24T22:24	2007-09-24T23:14	Payload switch-offdue to Service Module Anomaly (EN-U
62	3	2007-09-24T23:14	2007-09-25T00:05	Payload switch-offdue to Service Module Anomaly (EN-U
62	4	2007-09-25T00:05	2007-09-25T00:55	Payload switch-offdue to Service Module Anomaly (EN-U
62	5	2007-09-25T00:55	2007-09-25T01:45	Payload switch-offdue to Service Module Anomaly (EN-U
62	6	2007-09-25T01:45	2007-09-25T02:36	Payload switch-offdue to Service Module Anomaly (EN-U
62	7	2007-09-25T02:36	2007-09-25T03:26	Payload switch-offdue to Service Module Anomaly (EN-U
62	8	2007-09-25T03:26	2007-09-25T04:16	Payload switch-offdue to Service Module Anomaly (EN-U
62	9	2007-09-25T04:16	2007-09-25T05:07	Payload switch-offdue to Service Module Anomaly (EN-U
62	10	2007-09-25T05:07	2007-09-25T05:57	Payload switch-offdue to Service Module Anomaly (EN-U
62	11	2007-09-25T05:57	2007-09-25T06:47	Payload switch-offdue to Service Module Anomaly (EN-U
62	12	2007-09-25T06:47	2007-09-25T07:37	Payload switch-offdue to Service Module Anomaly (EN-U
62	13	2007-09-25T07:37	2007-09-25T08:28	Payload switch-offdue to Service Module Anomaly (EN-U
62	14	2007-09-25T08:28	2007-09-25T09:18	Payload switch-offdue to Service Module Anomaly (EN-U
62	15	2007-09-25T09:18	2007-09-25T10:08	Payload switch-offdue to Service Module Anomaly (EN-U
62	16	2007-09-25T10:08	2007-09-25T10:59	Payload switch-offdue to Service Module Anomaly (EN-U
62	17	2007-09-25T10:59	2007-09-25T11:49	Payload switch-offdue to Service Module Anomaly (EN-U
62	18	2007-09-25T11:49	2007-09-25T12:39	Payload switch-offdue to Service Module Anomaly (EN-U
62	19	2007-09-25T12:39	2007-09-25T13:30	Payload switch-offdue to Service Module Anomaly (EN-U
62	20	2007-09-25T13:30	2007-09-25T14:20	Payload switch-offdue to Service Module Anomaly (EN-U
62	21	2007-09-25T14:20	2007-09-25T15:10	Payload switch-offdue to Service Module Anomaly (EN-U
62	22	2007-09-25T15:10	2007-09-25T16:00	Payload switch-offdue to Service Module Anomaly (EN-U
62	23	2007-09-25T16:00	2007-09-25T16:51	Payload switch-offdue to Service Module Anomaly (EN-U
62	24	2007-09-25T16:51	2007-09-25T17:41	Payload switch-offdue to Service Module Anomaly (EN-U
62	25	2007-09-25T17:41	2007-09-25T18:31	Payload switch-offdue to Service Module Anomaly (EN-U
62	26	2007-09-25T18:31	2007-09-25T19:22	Payload switch-offdue to Service Module Anomaly (EN-U
62	27	2007-09-25T19:22	2007-09-25T20:12	Payload switch-offdue to Service Module Anomaly (EN-U
62	28	2007-09-25T20:12	2007-09-25T21:02	Payload switch-offdue to Service Module Anomaly (EN-U
62	29	2007-09-25T21:02	2007-09-25T21:53	Payload switch-offdue to Service Module Anomaly (EN-U
62	30	2007-09-25T21:53	2007-09-25T22:43	Payload switch-offdue to Service Module Anomaly (EN-U
62	31	2007-09-25T22:43	2007-09-25T23:33	Payload switch-offdue to Service Module Anomaly (EN-U
62	32	2007-09-25T23:33	2007-09-26T00:23	Payload switch-offdue to Service Module Anomaly (EN-U
62	33	2007-09-26T00:23	2007-09-26T01:14	Payload switch-offdue to Service Module Anomaly (EN-U
62	34	2007-09-26T01:14	2007-09-26T02:04	Payload switch-offdue to Service Module Anomaly (EN-U
62	35	2007-09-26T02:04	2007-09-26T02:54	Payload switch-offdue to Service Module Anomaly (EN-U
62	36	2007-09-26T02:54	2007-09-26T03:45	Payload switch-offdue to Service Module Anomaly (EN-U
62	37	2007-09-26T03:45	2007-09-26T04:35	Payload switch-offdue to Service Module Anomaly (EN-U
62	38	2007-09-26T04:35	2007-09-26T05:25	Payload switch-offdue to Service Module Anomaly (EN-U
62	39	2007-09-26T05:25	2007-09-26T06:16	Payload switch-offdue to Service Module Anomaly (EN-U
62	40	2007-09-26T06:16	2007-09-26T07:06	Payload switch-offdue to Service Module Anomaly (EN-U
62	41	2007-09-26T07:06	2007-09-26T07:56	Payload switch-offdue to Service Module Anomaly (EN-U
62	42	2007-09-26T07:56	2007-09-26T08:46	Payload switch-offdue to Service Module Anomaly (EN-U
62	43	2007-09-26T08:46	2007-09-26T09:37	Payload switch-offdue to Service Module Anomaly (EN-U
62	44	2007-09-26T09:37	2007-09-26T10:27	Payload switch-offdue to Service Module Anomaly (EN-U
62	45	2007-09-26T10:27	2007-09-26T11:17	Payload switch-offdue to Service Module Anomaly (EN-U
62	46	2007-09-26T11:17	2007-09-26T12:08	Payload switch-offdue to Service Module Anomaly (EN-U
62	47	2007-09-26T12:08	2007-09-26T12:58	Payload switch-offdue to Service Module Anomaly (EN-U

62	48	2007-09-26T12:58	2007-09-26T13:48	Payload switch-offdue to Service Module Anomaly (EN-U
62	49	2007-09-26T13:48	2007-09-26T14:39	Payload switch-offdue to Service Module Anomaly (EN-U
62	50	2007-09-26T14:39	2007-09-26T15:29	Payload switch-offdue to Service Module Anomaly (EN-U
62	51	2007-09-26T15:29	2007-09-26T16:19	Payload switch-offdue to Service Module Anomaly (EN-U
62	52	2007-09-26T16:19	2007-09-26T17:09	Payload switch-offdue to Service Module Anomaly (EN-U
62	53	2007-09-26T17:09	2007-09-26T18:00	Payload switch-offdue to Service Module Anomaly (EN-U
62	54	2007-09-26T18:00	2007-09-26T18:50	Payload switch-offdue to Service Module Anomaly (EN-U
62	55	2007-09-26T18:50	2007-09-26T19:40	Payload switch-offdue to Service Module Anomaly (EN-U
62	56	2007-09-26T19:40	2007-09-26T20:31	Payload switch-offdue to Service Module Anomaly (EN-U
62	57	2007-09-26T20:31	2007-09-26T21:21	Payload switch-offdue to Service Module Anomaly (EN-U
62	58	2007-09-26T21:21	2007-09-26T22:11	Payload switch-offdue to Service Module Anomaly (EN-U
62	59	2007-09-26T22:11	2007-09-26T23:02	Payload switch-offdue to Service Module Anomaly (EN-U
62	60	2007-09-26T23:02	2007-09-26T23:52	Payload switch-offdue to Service Module Anomaly (EN-U
62	61	2007-09-26T23:52	2007-09-27T00:42	Payload switch-offdue to Service Module Anomaly (EN-U
62	62	2007-09-27T00:42	2007-09-27T01:32	Payload switch-offdue to Service Module Anomaly (EN-U
62	63	2007-09-27T01:32	2007-09-27T02:23	Payload switch-offdue to Service Module Anomaly (EN-U
62	64	2007-09-27T02:23	2007-09-27T03:13	Payload switch-offdue to Service Module Anomaly (EN-U
62	65	2007-09-27T03:13	2007-09-27T04:03	Payload switch-offdue to Service Module Anomaly (EN-U
62	66	2007-09-27T04:03	2007-09-27T04:54	Payload switch-offdue to Service Module Anomaly (EN-U
62	67	2007-09-27T04:54	2007-09-27T05:44	Payload switch-offdue to Service Module Anomaly (EN-U
62	68	2007-09-27T05:44	2007-09-27T06:34	Payload switch-offdue to Service Module Anomaly (EN-U
62	69	2007-09-27T06:34	2007-09-27T07:24	Payload switch-offdue to Service Module Anomaly (EN-U
62	70	2007-09-27T07:24	2007-09-27T08:15	Payload switch-offdue to Service Module Anomaly (EN-U
62	71	2007-09-27T08:15	2007-09-27T09:05	Payload switch-offdue to Service Module Anomaly (EN-U
62	72	2007-09-27T09:05	2007-09-27T09:55	Payload switch-offdue to Service Module Anomaly (EN-U
62	73	2007-09-27T09:55	2007-09-27T10:46	Payload switch-offdue to Service Module Anomaly (EN-U
62	74	2007-09-27T10:46	2007-09-27T11:36	Payload switch-offdue to Service Module Anomaly (EN-U
62	75	2007-09-27T11:36	2007-09-27T12:26	Payload switch-offdue to Service Module Anomaly (EN-U
62	76	2007-09-27T12:26	2007-09-27T13:17	Payload switch-offdue to Service Module Anomaly (EN-U
62	77	2007-09-27T13:17	2007-09-27T14:07	Payload switch-offdue to Service Module Anomaly (EN-U
62	634	2007-10-17T00:13	2007-10-17T01:04	unexplained missing telemetry
63	4	2007-10-30T00:05	2007-10-30T00:55	unexplained missing telemetry
63	576	2007-11-18T23:36	2007-11-19T00:26	unexplained missing telemetry
64	2	2007-12-03T22:24	2007-12-03T23:14	Orbit Control Manoeuvre (OCM) and Maintenance(EN-U
64	3	2007-12-03T23:14	2007-12-04T00:05	Orbit Control Manoeuvre (OCM) and Maintenance(EN-U
64	4	2007-12-04T00:05	2007-12-04T00:55	Orbit Control Manoeuvre (OCM) and Maintenance(EN-U
64	5	2007-12-04T00:55	2007-12-04T01:45	Orbit Control Manoeuvre (OCM) and Maintenance(EN-U
64	6	2007-12-04T01:45	2007-12-04T02:36	Orbit Control Manoeuvre (OCM) and Maintenance(EN-U
64	7	2007-12-04T02:36	2007-12-04T03:26	Orbit Control Manoeuvre (OCM) and Maintenance(EN-U
64	8	2007-12-04T03:26	2007-12-04T04:16	Orbit Control Manoeuvre (OCM) and Maintenance(EN-U
64	9	2007-12-04T04:16	2007-12-04T05:06	Orbit Control Manoeuvre (OCM) and Maintenance(EN-U
64	10	2007-12-04T05:06	2007-12-04T05:57	Orbit Control Manoeuvre (OCM) and Maintenance(EN-U
64	11	2007-12-04T05:57	2007-12-04T06:47	Orbit Control Manoeuvre (OCM) and Maintenance(EN-U
64	12	2007-12-04T06:47	2007-12-04T07:37	Orbit Control Manoeuvre (OCM) and Maintenance(EN-U
64	13	2007-12-04T07:37	2007-12-04T08:28	Orbit Control Manoeuvre (OCM) and Maintenance(EN-U
64	14	2007-12-04T08:28	2007-12-04T09:18	Orbit Control Manoeuvre (OCM) and Maintenance(EN-U
64	15	2007-12-04T09:18	2007-12-04T10:08	Orbit Control Manoeuvre (OCM) and Maintenance(EN-U
64	16	2007-12-04T10:08	2007-12-04T10:59	Orbit Control Manoeuvre (OCM) and Maintenance(EN-U

64	17	2007-12-04T10:59	2007-12-04T11:49	Orbit Control Manoeuvre (OCM) and Maintenance(EN-U
64	18	2007-12-04T11:49	2007-12-04T12:39	Orbit Control Manoeuvre (OCM) and Maintenance(EN-U
64	19	2007-12-04T12:39	2007-12-04T13:29	Orbit Control Manoeuvre (OCM) and Maintenance(EN-U
64	20	2007-12-04T13:29	2007-12-04T14:20	Orbit Control Manoeuvre (OCM) and Maintenance(EN-U
64	21	2007-12-04T14:20	2007-12-04T15:10	Orbit Control Manoeuvre (OCM) and Maintenance(EN-U
64	22	2007-12-04T15:10	2007-12-04T16:00	unexplained missing telemetry
64	23	2007-12-04T16:00	2007-12-04T16:51	unexplained missing telemetry
64	24	2007-12-04T16:51	2007-12-04T17:41	unexplained missing telemetry
64	218	2007-12-11T11:29	2007-12-11T12:19	unexplained missing telemetry
64	219	2007-12-11T12:19	2007-12-11T13:09	unexplained missing telemetry
64	270	2007-12-13T07:04	2007-12-13T07:55	Memory maintenance(EN-UNA-2007/0273)
64	271	2007-12-13T07:55	2007-12-13T08:45	Memory maintenance(EN-UNA-2007/0273)
64	272	2007-12-13T08:45	2007-12-13T09:35	Memory maintenance(EN-UNA-2007/0273)
64	273	2007-12-13T09:35	2007-12-13T10:26	Memory maintenance(EN-UNA-2007/0273)
64	274	2007-12-13T10:26	2007-12-13T11:16	Memory maintenance(EN-UNA-2007/0273)
64	275	2007-12-13T11:16	2007-12-13T12:06	Memory maintenance(EN-UNA-2007/0273)
64	350	2007-12-16T02:08	2007-12-16T02:59	unexplained missing telemetry
64	351	2007-12-16T02:59	2007-12-16T03:49	unexplained missing telemetry
64	352	2007-12-16T03:49	2007-12-16T04:39	unexplained missing telemetry
64	353	2007-12-16T04:39	2007-12-16T05:29	unexplained missing telemetry
64	395	2007-12-17T15:52	2007-12-17T16:42	unexplained missing telemetry
64	600	2007-12-24T19:43	2007-12-24T20:33	unexplained missing telemetry
64	695	2007-12-28T03:22	2007-12-28T04:12	unexplained missing telemetry
64	720	2007-12-29T00:19	2007-12-29T01:09	unexplained missing telemetry
64	721	2007-12-29T01:09	2007-12-29T02:00	unexplained missing telemetry
64	722	2007-12-29T02:00	2007-12-29T02:50	unexplained missing telemetry
64	723	2007-12-29T02:50	2007-12-29T03:40	unexplained missing telemetry
64	829	2008-01-01T19:42	2008-01-01T20:32	unexplained missing telemetry
64	830	2008-01-01T20:32	2008-01-01T21:22	unexplained missing telemetry
64	831	2008-01-01T21:22	2008-01-01T22:13	unexplained missing telemetry
65	253	2008-01-16T16:49	2008-01-16T17:40	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	254	2008-01-16T17:40	2008-01-16T18:30	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	255	2008-01-16T18:30	2008-01-16T19:20	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	256	2008-01-16T19:20	2008-01-16T20:10	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	257	2008-01-16T20:10	2008-01-16T21:01	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	258	2008-01-16T21:01	2008-01-16T21:51	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	259	2008-01-16T21:51	2008-01-16T22:41	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	260	2008-01-16T22:41	2008-01-16T23:32	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	261	2008-01-16T23:32	2008-01-17T00:22	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	262	2008-01-17T00:22	2008-01-17T01:12	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	263	2008-01-17T01:12	2008-01-17T02:03	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	264	2008-01-17T02:03	2008-01-17T02:53	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	265	2008-01-17T02:53	2008-01-17T03:43	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	266	2008-01-17T03:43	2008-01-17T04:33	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	267	2008-01-17T04:33	2008-01-17T05:24	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	268	2008-01-17T05:24	2008-01-17T06:14	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	269	2008-01-17T06:14	2008-01-17T07:04	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	270	2008-01-17T07:04	2008-01-17T07:55	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0

65	271	2008-01-17T07:55	2008-01-17T08:45	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	272	2008-01-17T08:45	2008-01-17T09:35	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	273	2008-01-17T09:35	2008-01-17T10:26	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	274	2008-01-17T10:26	2008-01-17T11:16	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	275	2008-01-17T11:16	2008-01-17T12:06	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	276	2008-01-17T12:06	2008-01-17T12:56	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	277	2008-01-17T12:56	2008-01-17T13:47	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	278	2008-01-17T13:47	2008-01-17T14:37	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	279	2008-01-17T14:37	2008-01-17T15:27	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	280	2008-01-17T15:27	2008-01-17T16:18	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	281	2008-01-17T16:18	2008-01-17T17:08	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
65	282	2008-01-17T17:08	2008-01-17T17:58	High Speed Multiplexer (HSM) anomaly(EN-UNA-2008/0
66	99	2008-02-15T07:43	2008-02-15T08:33	unexplained missing telemetry
66	634	2008-03-05T00:13	2008-03-05T01:04	unexplained missing telemetry
66	989	2008-03-17T09:50	2008-03-17T10:40	unexplained missing telemetry
67	79	2008-03-20T14:57	2008-03-20T15:47	unexplained missing telemetry
67	80	2008-03-20T15:47	2008-03-20T16:38	unexplained missing telemetry
67	81	2008-03-20T16:38	2008-03-20T17:28	unexplained missing telemetry
67	82	2008-03-20T17:28	2008-03-20T18:18	unexplained missing telemetry
67	83	2008-03-20T18:18	2008-03-20T19:09	unexplained missing telemetry
67	84	2008-03-20T19:09	2008-03-20T19:59	unexplained missing telemetry
67	85	2008-03-20T19:59	2008-03-20T20:49	unexplained missing telemetry
67	86	2008-03-20T20:49	2008-03-20T21:40	unexplained missing telemetry
67	87	2008-03-20T21:40	2008-03-20T22:30	unexplained missing telemetry
67	88	2008-03-20T22:30	2008-03-20T23:20	unexplained missing telemetry
67	89	2008-03-20T23:20	2008-03-21T00:10	unexplained missing telemetry
67	90	2008-03-21T00:10	2008-03-21T01:01	unexplained missing telemetry
67	91	2008-03-21T01:01	2008-03-21T01:51	unexplained missing telemetry
67	92	2008-03-21T01:51	2008-03-21T02:41	unexplained missing telemetry
67	93	2008-03-21T02:41	2008-03-21T03:32	unexplained missing telemetry
67	94	2008-03-21T03:32	2008-03-21T04:22	unexplained missing telemetry
67	95	2008-03-21T04:22	2008-03-21T05:12	unexplained missing telemetry
67	96	2008-03-21T05:12	2008-03-21T06:03	unexplained missing telemetry
67	97	2008-03-21T06:03	2008-03-21T06:53	unexplained missing telemetry
67	98	2008-03-21T06:53	2008-03-21T07:43	unexplained missing telemetry
67	99	2008-03-21T07:43	2008-03-21T08:33	unexplained missing telemetry
67	100	2008-03-21T08:33	2008-03-21T09:24	unexplained missing telemetry
67	101	2008-03-21T09:24	2008-03-21T10:14	unexplained missing telemetry
67	102	2008-03-21T10:14	2008-03-21T11:04	unexplained missing telemetry
67	103	2008-03-21T11:04	2008-03-21T11:55	unexplained missing telemetry
67	104	2008-03-21T11:55	2008-03-21T12:45	unexplained missing telemetry
67	105	2008-03-21T12:45	2008-03-21T13:35	unexplained missing telemetry
67	106	2008-03-21T13:35	2008-03-21T14:26	unexplained missing telemetry
67	107	2008-03-21T14:26	2008-03-21T15:16	unexplained missing telemetry
67	108	2008-03-21T15:16	2008-03-21T16:06	unexplained missing telemetry
67	109	2008-03-21T16:06	2008-03-21T16:56	unexplained missing telemetry
67	110	2008-03-21T16:56	2008-03-21T17:47	unexplained missing telemetry
67	111	2008-03-21T17:47	2008-03-21T18:37	unexplained missing telemetry

67	112	2008-03-21T18:37	2008-03-21T19:27	unexplained missing telemetry
67	113	2008-03-21T19:27	2008-03-21T20:18	unexplained missing telemetry
67	114	2008-03-21T20:18	2008-03-21T21:08	unexplained missing telemetry
67	115	2008-03-21T21:08	2008-03-21T21:58	unexplained missing telemetry
67	116	2008-03-21T21:58	2008-03-21T22:49	unexplained missing telemetry
67	117	2008-03-21T22:49	2008-03-21T23:39	unexplained missing telemetry
67	118	2008-03-21T23:39	2008-03-22T00:29	unexplained missing telemetry
67	119	2008-03-22T00:29	2008-03-22T01:19	unexplained missing telemetry
67	120	2008-03-22T01:19	2008-03-22T02:10	unexplained missing telemetry
67	121	2008-03-22T02:10	2008-03-22T03:00	unexplained missing telemetry
67	122	2008-03-22T03:00	2008-03-22T03:50	unexplained missing telemetry
67	123	2008-03-22T03:50	2008-03-22T04:41	unexplained missing telemetry
67	124	2008-03-22T04:41	2008-03-22T05:31	unexplained missing telemetry
67	125	2008-03-22T05:31	2008-03-22T06:21	unexplained missing telemetry
67	126	2008-03-22T06:21	2008-03-22T07:12	unexplained missing telemetry
67	127	2008-03-22T07:12	2008-03-22T08:02	unexplained missing telemetry
67	128	2008-03-22T08:02	2008-03-22T08:52	unexplained missing telemetry
67	129	2008-03-22T08:52	2008-03-22T09:42	unexplained missing telemetry
67	130	2008-03-22T09:42	2008-03-22T10:33	unexplained missing telemetry
67	131	2008-03-22T10:33	2008-03-22T11:23	unexplained missing telemetry
67	132	2008-03-22T11:23	2008-03-22T12:13	unexplained missing telemetry
67	133	2008-03-22T12:13	2008-03-22T13:04	unexplained missing telemetry
67	134	2008-03-22T13:04	2008-03-22T13:54	unexplained missing telemetry
67	135	2008-03-22T13:54	2008-03-22T14:44	unexplained missing telemetry
67	136	2008-03-22T14:44	2008-03-22T15:35	unexplained missing telemetry
67	137	2008-03-22T15:35	2008-03-22T16:25	unexplained missing telemetry
67	297	2008-03-28T05:42	2008-03-28T06:33	unexplained missing telemetry
67	316	2008-03-28T21:38	2008-03-28T22:28	unexplained missing telemetry
67	411	2008-04-01T05:17	2008-04-01T06:07	unexplained missing telemetry
67	488	2008-04-03T21:50	2008-04-03T22:40	unexplained missing telemetry
67	636	2008-04-09T01:54	2008-04-09T02:44	unexplained missing telemetry
67	637	2008-04-09T02:44	2008-04-09T03:35	unexplained missing telemetry
67	862	2008-04-16T23:22	2008-04-17T00:12	unexplained missing telemetry
67	966	2008-04-20T14:33	2008-04-20T15:23	unexplained missing telemetry
68	211	2008-04-29T05:37	2008-04-29T06:27	unexplained missing telemetry
68	944	2008-05-24T20:06	2008-05-24T20:56	unexplained missing telemetry
70	974	2008-08-03T21:15	2008-08-03T22:05	unexplained missing telemetry
71	551	2008-08-24T02:38	2008-08-24T03:29	unexplained missing telemetry
71	552	2008-08-24T03:29	2008-08-24T04:19	unexplained missing telemetry
71	553	2008-08-24T04:19	2008-08-24T05:09	unexplained missing telemetry
71	554	2008-08-24T05:09	2008-08-24T06:00	unexplained missing telemetry
71	555	2008-08-24T06:00	2008-08-24T06:50	unexplained missing telemetry
71	556	2008-08-24T06:50	2008-08-24T07:40	unexplained missing telemetry
71	557	2008-08-24T07:40	2008-08-24T08:31	unexplained missing telemetry
71	558	2008-08-24T08:31	2008-08-24T09:21	unexplained missing telemetry
71	559	2008-08-24T09:21	2008-08-24T10:11	unexplained missing telemetry
71	560	2008-08-24T10:11	2008-08-24T11:01	unexplained missing telemetry
71	561	2008-08-24T11:01	2008-08-24T11:52	unexplained missing telemetry

71	562	2008-08-24T11:52	2008-08-24T12:42	unexplained missing telemetry
71	563	2008-08-24T12:42	2008-08-24T13:32	unexplained missing telemetry
71	564	2008-08-24T13:32	2008-08-24T14:23	unexplained missing telemetry
71	565	2008-08-24T14:23	2008-08-24T15:13	unexplained missing telemetry
71	566	2008-08-24T15:13	2008-08-24T16:03	unexplained missing telemetry
71	567	2008-08-24T16:03	2008-08-24T16:54	unexplained missing telemetry
71	568	2008-08-24T16:54	2008-08-24T17:44	unexplained missing telemetry
71	569	2008-08-24T17:44	2008-08-24T18:34	unexplained missing telemetry
71	570	2008-08-24T18:34	2008-08-24T19:24	unexplained missing telemetry
71	571	2008-08-24T19:24	2008-08-24T20:15	unexplained missing telemetry
71	855	2008-09-03T17:29	2008-09-03T18:20	unexplained missing telemetry
72	86	2008-09-11T20:49	2008-09-11T21:40	unexplained missing telemetry
72	87	2008-09-11T21:40	2008-09-11T22:30	unexplained missing telemetry
72	88	2008-09-11T22:30	2008-09-11T23:20	unexplained missing telemetry
72	89	2008-09-11T23:20	2008-09-12T00:10	unexplained missing telemetry
72	90	2008-09-12T00:10	2008-09-12T01:01	unexplained missing telemetry
72	260	2008-09-17T22:41	2008-09-17T23:32	unexplained missing telemetry
73	273	2008-10-23T09:35	2008-10-23T10:26	unexplained missing telemetry
74	99	2008-11-21T07:43	2008-11-21T08:33	unexplained missing telemetry
74	353	2008-11-30T04:39	2008-11-30T05:29	unexplained missing telemetry
74	372	2008-11-30T20:35	2008-11-30T21:25	unexplained missing telemetry
74	373	2008-11-30T21:25	2008-11-30T22:15	unexplained missing telemetry
74	374	2008-11-30T22:15	2008-11-30T23:06	unexplained missing telemetry
74	375	2008-11-30T23:06	2008-11-30T23:56	unexplained missing telemetry
74	376	2008-11-30T23:56	2008-12-01T00:46	unexplained missing telemetry
74	377	2008-12-01T00:46	2008-12-01T01:37	unexplained missing telemetry
74	378	2008-12-01T01:37	2008-12-01T02:27	unexplained missing telemetry
74	379	2008-12-01T02:27	2008-12-01T03:17	unexplained missing telemetry
74	380	2008-12-01T03:17	2008-12-01T04:08	unexplained missing telemetry
74	381	2008-12-01T04:08	2008-12-01T04:58	unexplained missing telemetry
74	382	2008-12-01T04:58	2008-12-01T05:48	unexplained missing telemetry
74	383	2008-12-01T05:48	2008-12-01T06:38	unexplained missing telemetry
74	738	2008-12-13T15:24	2008-12-13T16:15	unexplained missing telemetry
75	232	2008-12-30T23:13	2008-12-31T00:03	unexplained missing telemetry
75	287	2009-01-01T21:19	2009-01-01T22:10	unexplained missing telemetry
75	288	2009-01-01T22:10	2009-01-01T23:00	unexplained missing telemetry
75	289	2009-01-01T23:00	2009-01-01T23:50	unexplained missing telemetry
75	290	2009-01-01T23:50	2009-01-02T00:41	unexplained missing telemetry
75	291	2009-01-02T00:41	2009-01-02T01:31	unexplained missing telemetry
75	314	2009-01-02T19:57	2009-01-02T20:48	unexplained missing telemetry
75	557	2009-01-11T07:40	2009-01-11T08:31	unexplained missing telemetry
76	99	2009-01-30T07:43	2009-01-30T08:33	unexplained missing telemetry
76	346	2009-02-07T22:47	2009-02-07T23:37	unexplained missing telemetry
76	347	2009-02-07T23:37	2009-02-08T00:28	unexplained missing telemetry
76	348	2009-02-08T00:28	2009-02-08T01:18	unexplained missing telemetry
76	351	2009-02-08T02:59	2009-02-08T03:49	unexplained missing telemetry
76	352	2009-02-08T03:49	2009-02-08T04:39	unexplained missing telemetry
76	353	2009-02-08T04:39	2009-02-08T05:29	unexplained missing telemetry

76	512	2009-02-13T17:57	2009-02-13T18:47	unexplained missing telemetry
77	383	2009-03-16T05:48	2009-03-16T06:38	unexplained missing telemetry
77	486	2009-03-19T20:09	2009-03-19T20:59	unexplained missing telemetry
78	621	2009-04-28T13:19	2009-04-28T14:10	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	622	2009-04-28T14:10	2009-04-28T15:00	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	623	2009-04-28T15:00	2009-04-28T15:50	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	624	2009-04-28T15:50	2009-04-28T16:41	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	625	2009-04-28T16:41	2009-04-28T17:31	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	626	2009-04-28T17:31	2009-04-28T18:21	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	627	2009-04-28T18:21	2009-04-28T19:12	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	628	2009-04-28T19:12	2009-04-28T20:02	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	629	2009-04-28T20:02	2009-04-28T20:52	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	630	2009-04-28T20:52	2009-04-28T21:42	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	631	2009-04-28T21:42	2009-04-28T22:33	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	632	2009-04-28T22:33	2009-04-28T23:23	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	633	2009-04-28T23:23	2009-04-29T00:13	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	634	2009-04-29T00:13	2009-04-29T01:04	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	635	2009-04-29T01:04	2009-04-29T01:54	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	636	2009-04-29T01:54	2009-04-29T02:44	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	637	2009-04-29T02:44	2009-04-29T03:35	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	638	2009-04-29T03:35	2009-04-29T04:25	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	639	2009-04-29T04:25	2009-04-29T05:15	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	640	2009-04-29T05:15	2009-04-29T06:05	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	641	2009-04-29T06:05	2009-04-29T06:56	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	642	2009-04-29T06:56	2009-04-29T07:46	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	643	2009-04-29T07:46	2009-04-29T08:36	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	644	2009-04-29T08:36	2009-04-29T09:27	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	645	2009-04-29T09:27	2009-04-29T10:17	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	646	2009-04-29T10:17	2009-04-29T11:07	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	647	2009-04-29T11:07	2009-04-29T11:57	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
78	791	2009-05-04T11:50	2009-05-04T12:41	High Speed Multiplexer (HSM) reset(EN-UNA-2009/0083)
80	153	2009-06-21T04:59	2009-06-21T05:50	unexplained missing telemetry
80	200	2009-06-22T20:23	2009-06-22T21:14	unexplained missing telemetry
80	452	2009-07-01T15:39	2009-07-01T16:29	unexplained missing telemetry
80	829	2009-07-14T19:42	2009-07-14T20:32	unexplained missing telemetry
81	155	2009-07-26T06:40	2009-07-26T07:30	unexplained missing telemetry
81	864	2009-08-20T01:02	2009-08-20T01:52	unexplained missing telemetry
81	983	2009-08-24T04:48	2009-08-24T05:38	unexplained missing telemetry
82	631	2009-09-15T21:42	2009-09-15T22:33	unexplained missing telemetry
83	37	2009-09-30T03:44	2009-09-30T04:35	unexplained missing telemetry
83	419	2009-10-13T11:59	2009-10-13T12:49	unexplained missing telemetry
83	830	2009-10-27T20:32	2009-10-27T21:22	unexplained missing telemetry
83	831	2009-10-27T21:22	2009-10-27T22:13	unexplained missing telemetry
83	832	2009-10-27T22:13	2009-10-27T23:03	unexplained missing telemetry
83	833	2009-10-27T23:03	2009-10-27T23:53	unexplained missing telemetry
83	834	2009-10-27T23:53	2009-10-28T00:43	unexplained missing telemetry
83	835	2009-10-28T00:43	2009-10-28T01:34	unexplained missing telemetry
83	836	2009-10-28T01:34	2009-10-28T02:24	unexplained missing telemetry

83	837	2009-10-28T02:24	2009-10-28T03:14	unexplained missing telemetry
83	838	2009-10-28T03:14	2009-10-28T04:05	unexplained missing telemetry
83	839	2009-10-28T04:05	2009-10-28T04:55	unexplained missing telemetry
83	840	2009-10-28T04:55	2009-10-28T05:45	unexplained missing telemetry
83	841	2009-10-28T05:45	2009-10-28T06:36	unexplained missing telemetry
84	179	2009-11-09T02:47	2009-11-09T03:37	unexplained missing telemetry
84	180	2009-11-09T03:37	2009-11-09T04:28	unexplained missing telemetry
84	181	2009-11-09T04:28	2009-11-09T05:18	unexplained missing telemetry
84	658	2009-11-25T20:20	2009-11-25T21:11	unexplained missing telemetry
84	659	2009-11-25T21:11	2009-11-25T22:01	unexplained missing telemetry
84	660	2009-11-25T22:01	2009-11-25T22:51	unexplained missing telemetry
84	661	2009-11-25T22:51	2009-11-25T23:42	unexplained missing telemetry
84	662	2009-11-25T23:42	2009-11-26T00:32	unexplained missing telemetry
84	663	2009-11-26T00:32	2009-11-26T01:22	unexplained missing telemetry
84	664	2009-11-26T01:22	2009-11-26T02:12	unexplained missing telemetry
84	665	2009-11-26T02:12	2009-11-26T03:03	unexplained missing telemetry
84	666	2009-11-26T03:03	2009-11-26T03:53	unexplained missing telemetry
84	667	2009-11-26T03:53	2009-11-26T04:43	unexplained missing telemetry
84	668	2009-11-26T04:43	2009-11-26T05:34	unexplained missing telemetry
84	669	2009-11-26T05:34	2009-11-26T06:24	unexplained missing telemetry
84	743	2009-11-28T19:36	2009-11-28T20:26	unexplained missing telemetry
84	929	2009-12-05T07:32	2009-12-05T08:22	unexplained missing telemetry
85	27	2009-12-08T19:21	2009-12-08T20:12	unexplained missing telemetry
85	735	2010-01-02T12:53	2010-01-02T13:44	unexplained missing telemetry
86	608	2010-02-02T02:25	2010-02-02T03:16	unexplained missing telemetry
86	609	2010-02-02T03:16	2010-02-02T04:06	unexplained missing telemetry
86	610	2010-02-02T04:06	2010-02-02T04:56	unexplained missing telemetry
86	611	2010-02-02T04:56	2010-02-02T05:47	unexplained missing telemetry
86	716	2010-02-05T20:58	2010-02-05T21:48	unexplained missing telemetry
86	746	2010-02-06T22:07	2010-02-06T22:57	unexplained missing telemetry
86	747	2010-02-06T22:57	2010-02-06T23:47	unexplained missing telemetry
86	748	2010-02-06T23:47	2010-02-07T00:38	unexplained missing telemetry
86	749	2010-02-07T00:38	2010-02-07T01:28	unexplained missing telemetry
86	750	2010-02-07T01:28	2010-02-07T02:18	unexplained missing telemetry
86	751	2010-02-07T02:18	2010-02-07T03:09	unexplained missing telemetry
86	752	2010-02-07T03:09	2010-02-07T03:59	unexplained missing telemetry
86	753	2010-02-07T03:59	2010-02-07T04:49	unexplained missing telemetry
86	754	2010-02-07T04:49	2010-02-07T05:39	unexplained missing telemetry
86	755	2010-02-07T05:39	2010-02-07T06:30	unexplained missing telemetry
88	550	2010-04-11T01:48	2010-04-11T02:38	unexplained missing telemetry
88	551	2010-04-11T02:38	2010-04-11T03:29	unexplained missing telemetry
88	552	2010-04-11T03:29	2010-04-11T04:19	unexplained missing telemetry
88	553	2010-04-11T04:19	2010-04-11T05:09	unexplained missing telemetry
88	554	2010-04-11T05:09	2010-04-11T06:00	unexplained missing telemetry
88	555	2010-04-11T06:00	2010-04-11T06:50	unexplained missing telemetry
90	475	2010-06-17T10:56	2010-06-17T11:46	unexplained missing telemetry
90	671	2010-06-24T07:14	2010-06-24T08:05	unexplained missing telemetry
90	675	2010-06-24T10:35	2010-06-24T11:26	unexplained missing telemetry

91	99	2010-07-09T07:43	2010-07-09T08:33	unexplained missing telemetry
92	422	2010-08-24T14:30	2010-08-24T15:20	unexplained missing telemetry
94	8	2010-10-19T03:26	2010-10-19T04:16	unexplained missing telemetry
94	9	2010-10-19T04:16	2010-10-19T05:06	unexplained missing telemetry
94	10	2010-10-19T05:06	2010-10-19T05:57	unexplained missing telemetry
94	11	2010-10-19T05:57	2010-10-19T06:47	unexplained missing telemetry
94	12	2010-10-19T06:47	2010-10-19T07:37	unexplained missing telemetry
94	13	2010-10-19T07:37	2010-10-19T08:27	unexplained missing telemetry
94	14	2010-10-19T08:27	2010-10-19T09:18	unexplained missing telemetry
94	15	2010-10-19T09:18	2010-10-19T10:08	unexplained missing telemetry
94	16	2010-10-19T10:08	2010-10-19T10:58	unexplained missing telemetry
94	17	2010-10-19T10:58	2010-10-19T11:49	unexplained missing telemetry
94	18	2010-10-19T11:49	2010-10-19T12:39	unexplained missing telemetry
94	19	2010-10-19T12:39	2010-10-19T13:29	unexplained missing telemetry
94	20	2010-10-19T13:29	2010-10-19T14:20	unexplained missing telemetry
94	21	2010-10-19T14:20	2010-10-19T15:10	unexplained missing telemetry
94	22	2010-10-19T15:10	2010-10-19T16:00	unexplained missing telemetry
94	23	2010-10-19T16:00	2010-10-19T16:50	unexplained missing telemetry
94	24	2010-10-19T16:50	2010-10-19T17:41	unexplained missing telemetry
94	25	2010-10-19T17:41	2010-10-19T18:31	unexplained missing telemetry
94	26	2010-10-19T18:31	2010-10-19T19:21	unexplained missing telemetry
94	27	2010-10-19T19:21	2010-10-19T20:12	unexplained missing telemetry
94	28	2010-10-19T20:12	2010-10-19T21:02	unexplained missing telemetry
94	29	2010-10-19T21:02	2010-10-19T21:52	unexplained missing telemetry
94	30	2010-10-19T21:52	2010-10-19T22:43	unexplained missing telemetry
94	31	2010-10-19T22:43	2010-10-19T23:33	unexplained missing telemetry
94	32	2010-10-19T23:33	2010-10-20T00:23	unexplained missing telemetry
94	33	2010-10-20T00:23	2010-10-20T01:13	unexplained missing telemetry
94	34	2010-10-20T01:13	2010-10-20T02:04	unexplained missing telemetry
94	35	2010-10-20T02:04	2010-10-20T02:54	unexplained missing telemetry
94	36	2010-10-20T02:54	2010-10-20T03:44	unexplained missing telemetry
94	37	2010-10-20T03:44	2010-10-20T04:35	unexplained missing telemetry
94	38	2010-10-20T04:35	2010-10-20T05:25	unexplained missing telemetry
94	39	2010-10-20T05:25	2010-10-20T06:15	unexplained missing telemetry
94	40	2010-10-20T06:15	2010-10-20T07:06	unexplained missing telemetry
94	41	2010-10-20T07:06	2010-10-20T07:56	unexplained missing telemetry
94	42	2010-10-20T07:56	2010-10-20T08:46	unexplained missing telemetry
94	43	2010-10-20T08:46	2010-10-20T09:36	unexplained missing telemetry
94	44	2010-10-20T09:36	2010-10-20T10:27	unexplained missing telemetry
94	45	2010-10-20T10:27	2010-10-20T11:17	unexplained missing telemetry
94	46	2010-10-20T11:17	2010-10-20T12:07	unexplained missing telemetry
94	47	2010-10-20T12:07	2010-10-20T12:58	unexplained missing telemetry
94	48	2010-10-20T12:58	2010-10-20T13:48	unexplained missing telemetry
94	49	2010-10-20T13:48	2010-10-20T14:38	unexplained missing telemetry
94	50	2010-10-20T14:38	2010-10-20T15:29	unexplained missing telemetry
94	51	2010-10-20T15:29	2010-10-20T16:19	unexplained missing telemetry
94	52	2010-10-20T16:19	2010-10-20T17:09	unexplained missing telemetry
94	53	2010-10-20T17:09	2010-10-20T17:59	unexplained missing telemetry

94	54	2010-10-20T17:59	2010-10-20T18:50	unexplained missing telemetry
94	55	2010-10-20T18:50	2010-10-20T19:40	unexplained missing telemetry
94	56	2010-10-20T19:40	2010-10-20T20:30	unexplained missing telemetry
94	57	2010-10-20T20:30	2010-10-20T21:21	unexplained missing telemetry
94	58	2010-10-20T21:21	2010-10-20T22:11	unexplained missing telemetry
94	59	2010-10-20T22:11	2010-10-20T23:01	unexplained missing telemetry
94	60	2010-10-20T23:01	2010-10-20T23:52	unexplained missing telemetry
94	61	2010-10-20T23:52	2010-10-21T00:42	unexplained missing telemetry
94	62	2010-10-21T00:42	2010-10-21T01:32	unexplained missing telemetry
94	63	2010-10-21T01:32	2010-10-21T02:22	unexplained missing telemetry
94	64	2010-10-21T02:22	2010-10-21T03:13	unexplained missing telemetry
94	65	2010-10-21T03:13	2010-10-21T04:03	unexplained missing telemetry
94	66	2010-10-21T04:03	2010-10-21T04:53	unexplained missing telemetry
94	67	2010-10-21T04:53	2010-10-21T05:44	unexplained missing telemetry
94	68	2010-10-21T05:44	2010-10-21T06:34	unexplained missing telemetry
94	69	2010-10-21T06:34	2010-10-21T07:24	unexplained missing telemetry
94	70	2010-10-21T07:24	2010-10-21T08:14	unexplained missing telemetry
94	71	2010-10-21T08:14	2010-10-21T09:05	unexplained missing telemetry
94	72	2010-10-21T09:05	2010-10-21T09:55	unexplained missing telemetry
94	73	2010-10-21T09:55	2010-10-21T10:45	unexplained missing telemetry
94	74	2010-10-21T10:45	2010-10-21T11:36	unexplained missing telemetry
94	75	2010-10-21T11:36	2010-10-21T12:26	unexplained missing telemetry
94	76	2010-10-21T12:26	2010-10-21T13:16	unexplained missing telemetry
94	77	2010-10-21T13:16	2010-10-21T14:07	unexplained missing telemetry
94	78	2010-10-21T14:07	2010-10-21T14:57	unexplained missing telemetry
94	79	2010-10-21T14:57	2010-10-21T15:47	unexplained missing telemetry
94	80	2010-10-21T15:47	2010-10-21T16:37	unexplained missing telemetry
94	81	2010-10-21T16:37	2010-10-21T17:28	unexplained missing telemetry
94	82	2010-10-21T17:28	2010-10-21T18:18	unexplained missing telemetry
94	83	2010-10-21T18:18	2010-10-21T19:08	unexplained missing telemetry
94	84	2010-10-21T19:08	2010-10-21T19:59	unexplained missing telemetry
94	85	2010-10-21T19:59	2010-10-21T20:49	unexplained missing telemetry
94	86	2010-10-21T20:49	2010-10-21T21:39	unexplained missing telemetry
94	87	2010-10-21T21:39	2010-10-21T22:30	unexplained missing telemetry
94	88	2010-10-21T22:30	2010-10-21T23:20	unexplained missing telemetry
94	89	2010-10-21T23:20	2010-10-22T00:10	unexplained missing telemetry
94	90	2010-10-22T00:10	2010-10-22T01:00	unexplained missing telemetry
94	91	2010-10-22T01:00	2010-10-22T01:51	unexplained missing telemetry
94	92	2010-10-22T01:51	2010-10-22T02:41	unexplained missing telemetry
94	93	2010-10-22T02:41	2010-10-22T03:31	unexplained missing telemetry
94	94	2010-10-22T03:31	2010-10-22T04:22	unexplained missing telemetry
94	95	2010-10-22T04:22	2010-10-22T05:12	unexplained missing telemetry
94	96	2010-10-22T05:12	2010-10-22T06:02	unexplained missing telemetry
94	97	2010-10-22T06:02	2010-10-22T06:53	unexplained missing telemetry
94	98	2010-10-22T06:53	2010-10-22T07:43	unexplained missing telemetry
94	99	2010-10-22T07:43	2010-10-22T08:33	unexplained missing telemetry
94	100	2010-10-22T08:33	2010-10-22T09:23	unexplained missing telemetry
94	101	2010-10-22T09:23	2010-10-22T10:14	unexplained missing telemetry

94	102	2010-10-22T10:14	2010-10-22T11:04	unexplained missing telemetry
94	103	2010-10-22T11:04	2010-10-22T11:54	unexplained missing telemetry
94	104	2010-10-22T11:54	2010-10-22T12:44	unexplained missing telemetry
94	105	2010-10-22T12:44	2010-10-22T13:34	unexplained missing telemetry
94	106	2010-10-22T13:34	2010-10-22T14:25	unexplained missing telemetry
94	107	2010-10-22T14:25	2010-10-22T15:15	unexplained missing telemetry
94	108	2010-10-22T15:15	2010-10-22T16:05	unexplained missing telemetry
94	109	2010-10-22T16:05	2010-10-22T16:55	unexplained missing telemetry
94	110	2010-10-22T16:55	2010-10-22T17:45	unexplained missing telemetry
94	111	2010-10-22T17:45	2010-10-22T18:36	unexplained missing telemetry
94	112	2010-10-22T18:36	2010-10-22T19:26	unexplained missing telemetry
94	113	2010-10-22T19:26	2010-10-22T20:16	unexplained missing telemetry
94	114	2010-10-22T20:16	2010-10-22T21:06	unexplained missing telemetry
94	115	2010-10-22T21:06	2010-10-22T21:56	unexplained missing telemetry
94	116	2010-10-22T21:56	2010-10-22T22:47	unexplained missing telemetry
94	117	2010-10-22T22:47	2010-10-22T23:37	unexplained missing telemetry
94	118	2010-10-22T23:37	2010-10-23T00:27	unexplained missing telemetry
94	119	2010-10-23T00:27	2010-10-23T01:17	unexplained missing telemetry
94	120	2010-10-23T01:17	2010-10-23T02:07	unexplained missing telemetry
94	121	2010-10-23T02:07	2010-10-23T02:57	unexplained missing telemetry
94	122	2010-10-23T02:57	2010-10-23T03:48	unexplained missing telemetry
94	123	2010-10-23T03:48	2010-10-23T04:38	unexplained missing telemetry
94	124	2010-10-23T04:38	2010-10-23T05:28	unexplained missing telemetry
94	125	2010-10-23T05:28	2010-10-23T06:18	unexplained missing telemetry
94	126	2010-10-23T06:18	2010-10-23T07:08	unexplained missing telemetry
94	127	2010-10-23T07:08	2010-10-23T07:59	unexplained missing telemetry
94	128	2010-10-23T07:59	2010-10-23T08:49	unexplained missing telemetry
94	129	2010-10-23T08:49	2010-10-23T09:39	unexplained missing telemetry
94	130	2010-10-23T09:39	2010-10-23T10:29	unexplained missing telemetry
94	131	2010-10-23T10:29	2010-10-23T11:19	unexplained missing telemetry
94	132	2010-10-23T11:19	2010-10-23T12:10	unexplained missing telemetry
94	133	2010-10-23T12:10	2010-10-23T13:00	unexplained missing telemetry
94	134	2010-10-23T13:00	2010-10-23T13:50	unexplained missing telemetry
94	135	2010-10-23T13:50	2010-10-23T14:40	unexplained missing telemetry
94	136	2010-10-23T14:40	2010-10-23T15:30	unexplained missing telemetry
94	137	2010-10-23T15:30	2010-10-23T16:21	unexplained missing telemetry
94	138	2010-10-23T16:21	2010-10-23T17:11	unexplained missing telemetry
94	139	2010-10-23T17:11	2010-10-23T18:01	unexplained missing telemetry
94	140	2010-10-23T18:01	2010-10-23T18:51	unexplained missing telemetry
94	141	2010-10-23T18:51	2010-10-23T19:41	unexplained missing telemetry
94	142	2010-10-23T19:41	2010-10-23T20:32	unexplained missing telemetry
94	143	2010-10-23T20:32	2010-10-23T21:22	unexplained missing telemetry
94	144	2010-10-23T21:22	2010-10-23T22:12	unexplained missing telemetry
94	145	2010-10-23T22:12	2010-10-23T23:02	unexplained missing telemetry
94	146	2010-10-23T23:02	2010-10-23T23:52	unexplained missing telemetry
94	147	2010-10-23T23:52	2010-10-24T00:43	unexplained missing telemetry
94	148	2010-10-24T00:43	2010-10-24T01:33	unexplained missing telemetry
94	149	2010-10-24T01:33	2010-10-24T02:23	unexplained missing telemetry

94	150	2010-10-24T02:23	2010-10-24T03:13	unexplained missing telemetry
94	151	2010-10-24T03:13	2010-10-24T04:03	unexplained missing telemetry
94	152	2010-10-24T04:03	2010-10-24T04:54	unexplained missing telemetry
94	153	2010-10-24T04:54	2010-10-24T05:44	unexplained missing telemetry
94	154	2010-10-24T05:44	2010-10-24T06:34	unexplained missing telemetry
94	155	2010-10-24T06:34	2010-10-24T07:24	unexplained missing telemetry
94	156	2010-10-24T07:24	2010-10-24T08:14	unexplained missing telemetry
94	157	2010-10-24T08:14	2010-10-24T09:05	unexplained missing telemetry
94	158	2010-10-24T09:05	2010-10-24T09:55	unexplained missing telemetry
94	159	2010-10-24T09:55	2010-10-24T10:45	unexplained missing telemetry
94	160	2010-10-24T10:45	2010-10-24T11:35	unexplained missing telemetry
94	161	2010-10-24T11:35	2010-10-24T12:25	unexplained missing telemetry
94	162	2010-10-24T12:25	2010-10-24T13:16	unexplained missing telemetry
94	163	2010-10-24T13:16	2010-10-24T14:06	unexplained missing telemetry
94	164	2010-10-24T14:06	2010-10-24T14:56	unexplained missing telemetry
94	165	2010-10-24T14:56	2010-10-24T15:46	unexplained missing telemetry
94	166	2010-10-24T15:46	2010-10-24T16:36	unexplained missing telemetry
94	167	2010-10-24T16:36	2010-10-24T17:27	unexplained missing telemetry
94	168	2010-10-24T17:27	2010-10-24T18:17	unexplained missing telemetry
94	169	2010-10-24T18:17	2010-10-24T19:07	unexplained missing telemetry
94	170	2010-10-24T19:07	2010-10-24T19:57	unexplained missing telemetry
94	171	2010-10-24T19:57	2010-10-24T20:47	unexplained missing telemetry
94	172	2010-10-24T20:47	2010-10-24T21:38	unexplained missing telemetry
94	173	2010-10-24T21:38	2010-10-24T22:28	unexplained missing telemetry
94	174	2010-10-24T22:28	2010-10-24T23:18	unexplained missing telemetry
94	175	2010-10-24T23:18	2010-10-25T00:08	unexplained missing telemetry
94	176	2010-10-25T00:08	2010-10-25T00:58	unexplained missing telemetry
94	177	2010-10-25T00:58	2010-10-25T01:49	unexplained missing telemetry
94	178	2010-10-25T01:49	2010-10-25T02:39	unexplained missing telemetry
94	179	2010-10-25T02:39	2010-10-25T03:29	unexplained missing telemetry
94	180	2010-10-25T03:29	2010-10-25T04:19	unexplained missing telemetry
94	181	2010-10-25T04:19	2010-10-25T05:09	unexplained missing telemetry
94	182	2010-10-25T05:09	2010-10-25T06:00	unexplained missing telemetry
94	183	2010-10-25T06:00	2010-10-25T06:50	unexplained missing telemetry
94	184	2010-10-25T06:50	2010-10-25T07:40	unexplained missing telemetry
94	185	2010-10-25T07:40	2010-10-25T08:30	unexplained missing telemetry
94	186	2010-10-25T08:30	2010-10-25T09:20	unexplained missing telemetry
94	187	2010-10-25T09:20	2010-10-25T10:11	unexplained missing telemetry
94	188	2010-10-25T10:11	2010-10-25T11:01	Standby to reset High Speed Multiplexer (HSM) Input M
94	189	2010-10-25T11:01	2010-10-25T11:51	Standby to reset High Speed Multiplexer (HSM) Input M
94	190	2010-10-25T11:51	2010-10-25T12:41	Standby to reset High Speed Multiplexer (HSM) Input M
94	191	2010-10-25T12:41	2010-10-25T13:31	Standby to reset High Speed Multiplexer (HSM) Input M
94	192	2010-10-25T13:31	2010-10-25T14:22	Standby to reset High Speed Multiplexer (HSM) Input M
94	193	2010-10-25T14:22	2010-10-25T15:12	Standby to reset High Speed Multiplexer (HSM) Input M
94	194	2010-10-25T15:12	2010-10-25T16:02	unexplained missing telemetry
94	195	2010-10-25T16:02	2010-10-25T16:52	unexplained missing telemetry
94	196	2010-10-25T16:52	2010-10-25T17:42	unexplained missing telemetry
94	197	2010-10-25T17:42	2010-10-25T18:33	unexplained missing telemetry

94	198	2010-10-25T18:33	2010-10-25T19:23	unexplained missing telemetry
94	199	2010-10-25T19:23	2010-10-25T20:13	unexplained missing telemetry
95	804	2010-10-25T20:13	2010-10-25T21:03	unexplained missing telemetry
95	805	2010-10-25T21:03	2010-10-25T21:53	unexplained missing telemetry
95	806	2010-10-25T21:53	2010-10-25T22:44	unexplained missing telemetry
95	807	2010-10-25T22:44	2010-10-25T23:34	unexplained missing telemetry
95	808	2010-10-25T23:34	2010-10-26T00:24	unexplained missing telemetry
95	809	2010-10-26T00:24	2010-10-26T01:14	unexplained missing telemetry
95	810	2010-10-26T01:14	2010-10-26T02:04	unexplained missing telemetry
95	811	2010-10-26T02:04	2010-10-26T02:55	unexplained missing telemetry
95	812	2010-10-26T02:55	2010-10-26T03:45	unexplained missing telemetry
95	813	2010-10-26T03:45	2010-10-26T04:35	unexplained missing telemetry
95	814	2010-10-26T04:35	2010-10-26T05:25	unexplained missing telemetry
95	815	2010-10-26T05:25	2010-10-26T06:15	unexplained missing telemetry
95	816	2010-10-26T06:15	2010-10-26T07:06	unexplained missing telemetry
95	817	2010-10-26T07:06	2010-10-26T07:56	unexplained missing telemetry
95	834	2010-10-26T21:18	2010-10-26T22:09	unexplained missing telemetry
95	835	2010-10-26T22:09	2010-10-26T22:59	unexplained missing telemetry
95	836	2010-10-26T22:59	2010-10-26T23:49	unexplained missing telemetry
95	837	2010-10-26T23:49	2010-10-27T00:39	unexplained missing telemetry
96	815	2010-11-25T05:27	2010-11-25T06:17	unexplained missing telemetry
96	862	2010-11-26T20:43	2010-11-26T21:33	unexplained missing telemetry
97	92	2010-11-30T01:34	2010-11-30T02:24	unexplained missing telemetry
97	93	2010-11-30T02:24	2010-11-30T03:14	unexplained missing telemetry
97	174	2010-12-02T22:03	2010-12-02T22:53	unexplained missing telemetry
97	239	2010-12-05T04:21	2010-12-05T05:11	unexplained missing telemetry
97	513	2010-12-14T17:13	2010-12-14T18:03	unexplained missing telemetry
98	4	2010-12-27T00:04	2010-12-27T00:54	unexplained missing telemetry
98	488	2011-01-12T20:21	2011-01-12T21:11	unexplained missing telemetry
98	489	2011-01-12T21:11	2011-01-12T22:01	unexplained missing telemetry
98	490	2011-01-12T22:01	2011-01-12T22:51	unexplained missing telemetry
98	518	2011-01-13T21:24	2011-01-13T22:14	unexplained missing telemetry
99	374	2011-02-07T21:08	2011-02-07T21:58	unexplained missing telemetry
99	634	2011-02-16T22:18	2011-02-16T23:08	unexplained missing telemetry
99	750	2011-02-20T23:12	2011-02-21T00:02	unexplained missing telemetry
99	751	2011-02-21T00:02	2011-02-21T00:52	unexplained missing telemetry
99	752	2011-02-21T00:52	2011-02-21T01:42	unexplained missing telemetry
99	753	2011-02-21T01:42	2011-02-21T02:32	unexplained missing telemetry
99	754	2011-02-21T02:32	2011-02-21T03:22	unexplained missing telemetry
99	755	2011-02-21T03:22	2011-02-21T04:12	unexplained missing telemetry
99	756	2011-02-21T04:12	2011-02-21T05:03	unexplained missing telemetry
99	757	2011-02-21T05:03	2011-02-21T05:53	unexplained missing telemetry
99	813	2011-02-23T03:49	2011-02-23T04:39	unexplained missing telemetry
99	814	2011-02-23T04:39	2011-02-23T05:29	unexplained missing telemetry
99	815	2011-02-23T05:29	2011-02-23T06:20	unexplained missing telemetry
100	726	2011-03-22T03:10	2011-03-22T04:00	unexplained missing telemetry
100	727	2011-03-22T04:00	2011-03-22T04:50	unexplained missing telemetry
100	728	2011-03-22T04:50	2011-03-22T05:40	unexplained missing telemetry

100	729	2011-03-22T05:40	2011-03-22T06:30	unexplained missing telemetry
100	810	2011-03-25T01:19	2011-03-25T02:09	unexplained missing telemetry
101	4	2011-03-27T00:06	2011-03-27T00:56	unexplained missing telemetry
101	43	2011-03-28T08:40	2011-03-28T09:31	unexplained missing telemetry
101	86	2011-03-29T20:35	2011-03-29T21:26	unexplained missing telemetry
101	87	2011-03-29T21:26	2011-03-29T22:16	unexplained missing telemetry
101	88	2011-03-29T22:16	2011-03-29T23:06	unexplained missing telemetry
101	224	2011-04-03T15:52	2011-04-03T16:42	Payload switch-off due to Service Module Anomaly(EN-U
101	225	2011-04-03T16:42	2011-04-03T17:32	Payload switch-off due to Service Module Anomaly(EN-U
101	226	2011-04-03T17:32	2011-04-03T18:22	Payload switch-off due to Service Module Anomaly(EN-U
101	227	2011-04-03T18:22	2011-04-03T19:12	Payload switch-off due to Service Module Anomaly(EN-U
101	228	2011-04-03T19:12	2011-04-03T20:02	Payload switch-off due to Service Module Anomaly(EN-U
101	229	2011-04-03T20:02	2011-04-03T20:52	Payload switch-off due to Service Module Anomaly(EN-U
101	230	2011-04-03T20:52	2011-04-03T21:42	Payload switch-off due to Service Module Anomaly(EN-U
101	231	2011-04-03T21:42	2011-04-03T22:32	Payload switch-off due to Service Module Anomaly(EN-U
101	232	2011-04-03T22:32	2011-04-03T23:23	Payload switch-off due to Service Module Anomaly(EN-U
101	233	2011-04-03T23:23	2011-04-04T00:13	Payload switch-off due to Service Module Anomaly(EN-U
101	234	2011-04-04T00:13	2011-04-04T01:03	Payload switch-off due to Service Module Anomaly(EN-U
101	235	2011-04-04T01:03	2011-04-04T01:53	Payload switch-off due to Service Module Anomaly(EN-U
101	236	2011-04-04T01:53	2011-04-04T02:43	Payload switch-off due to Service Module Anomaly(EN-U
101	237	2011-04-04T02:43	2011-04-04T03:33	Payload switch-off due to Service Module Anomaly(EN-U
101	238	2011-04-04T03:33	2011-04-04T04:23	Payload switch-off due to Service Module Anomaly(EN-U
101	239	2011-04-04T04:23	2011-04-04T05:13	Payload switch-off due to Service Module Anomaly(EN-U
101	240	2011-04-04T05:13	2011-04-04T06:04	Payload switch-off due to Service Module Anomaly(EN-U
101	241	2011-04-04T06:04	2011-04-04T06:54	Payload switch-off due to Service Module Anomaly(EN-U
101	242	2011-04-04T06:54	2011-04-04T07:44	Payload switch-off due to Service Module Anomaly(EN-U
101	243	2011-04-04T07:44	2011-04-04T08:34	Payload switch-off due to Service Module Anomaly(EN-U
101	244	2011-04-04T08:34	2011-04-04T09:24	Payload switch-off due to Service Module Anomaly(EN-U
101	245	2011-04-04T09:24	2011-04-04T10:14	Payload switch-off due to Service Module Anomaly(EN-U
101	246	2011-04-04T10:14	2011-04-04T11:04	Payload switch-off due to Service Module Anomaly(EN-U
101	247	2011-04-04T11:04	2011-04-04T11:54	Payload switch-off due to Service Module Anomaly(EN-U
101	248	2011-04-04T11:54	2011-04-04T12:44	Payload switch-off due to Service Module Anomaly(EN-U
101	249	2011-04-04T12:44	2011-04-04T13:35	Payload switch-off due to Service Module Anomaly(EN-U
101	250	2011-04-04T13:35	2011-04-04T14:25	Payload switch-off due to Service Module Anomaly(EN-U
101	251	2011-04-04T14:25	2011-04-04T15:15	Payload switch-off due to Service Module Anomaly(EN-U
101	252	2011-04-04T15:15	2011-04-04T16:05	Payload switch-off due to Service Module Anomaly(EN-U
101	253	2011-04-04T16:05	2011-04-04T16:55	Payload switch-off due to Service Module Anomaly(EN-U
101	254	2011-04-04T16:55	2011-04-04T17:45	Payload switch-off due to Service Module Anomaly(EN-U
101	255	2011-04-04T17:45	2011-04-04T18:35	Payload switch-off due to Service Module Anomaly(EN-U
101	256	2011-04-04T18:35	2011-04-04T19:25	Payload switch-off due to Service Module Anomaly(EN-U
101	257	2011-04-04T19:25	2011-04-04T20:16	Payload switch-off due to Service Module Anomaly(EN-U
101	258	2011-04-04T20:16	2011-04-04T21:06	Payload switch-off due to Service Module Anomaly(EN-U
101	259	2011-04-04T21:06	2011-04-04T21:56	Payload switch-off due to Service Module Anomaly(EN-U
101	260	2011-04-04T21:56	2011-04-04T22:46	Payload switch-off due to Service Module Anomaly(EN-U
101	261	2011-04-04T22:46	2011-04-04T23:36	Payload switch-off due to Service Module Anomaly(EN-U
101	262	2011-04-04T23:36	2011-04-05T00:26	Payload switch-off due to Service Module Anomaly(EN-U
101	263	2011-04-05T00:26	2011-04-05T01:16	Payload switch-off due to Service Module Anomaly(EN-U
101	264	2011-04-05T01:16	2011-04-05T02:06	Payload switch-off due to Service Module Anomaly(EN-U

101	265	2011-04-05T02:06	2011-04-05T02:56	Payload switch-off due to Service Module Anomaly(EN-U
101	266	2011-04-05T02:56	2011-04-05T03:47	Payload switch-off due to Service Module Anomaly(EN-U
101	267	2011-04-05T03:47	2011-04-05T04:37	Payload switch-off due to Service Module Anomaly(EN-U
101	268	2011-04-05T04:37	2011-04-05T05:27	Payload switch-off due to Service Module Anomaly(EN-U
101	269	2011-04-05T05:27	2011-04-05T06:17	Payload switch-off due to Service Module Anomaly(EN-U
102	724	2011-05-21T01:30	2011-05-21T02:20	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	725	2011-05-21T02:20	2011-05-21T03:11	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	726	2011-05-21T03:11	2011-05-21T04:01	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	727	2011-05-21T04:01	2011-05-21T04:51	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	728	2011-05-21T04:51	2011-05-21T05:41	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	729	2011-05-21T05:41	2011-05-21T06:31	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	730	2011-05-21T06:31	2011-05-21T07:21	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	731	2011-05-21T07:21	2011-05-21T08:11	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	732	2011-05-21T08:11	2011-05-21T09:01	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	733	2011-05-21T09:01	2011-05-21T09:52	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	734	2011-05-21T09:52	2011-05-21T10:42	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	735	2011-05-21T10:42	2011-05-21T11:32	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	736	2011-05-21T11:32	2011-05-21T12:22	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	737	2011-05-21T12:22	2011-05-21T13:12	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	738	2011-05-21T13:12	2011-05-21T14:02	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	739	2011-05-21T14:02	2011-05-21T14:52	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	740	2011-05-21T14:52	2011-05-21T15:42	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	741	2011-05-21T15:42	2011-05-21T16:32	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	742	2011-05-21T16:32	2011-05-21T17:23	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	743	2011-05-21T17:23	2011-05-21T18:13	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	744	2011-05-21T18:13	2011-05-21T19:03	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	745	2011-05-21T19:03	2011-05-21T19:53	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	746	2011-05-21T19:53	2011-05-21T20:43	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	747	2011-05-21T20:43	2011-05-21T21:33	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	748	2011-05-21T21:33	2011-05-21T22:23	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	749	2011-05-21T22:23	2011-05-21T23:13	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	750	2011-05-21T23:13	2011-05-22T00:03	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	751	2011-05-22T00:03	2011-05-22T00:54	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	752	2011-05-22T00:54	2011-05-22T01:44	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	753	2011-05-22T01:44	2011-05-22T02:34	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	754	2011-05-22T02:34	2011-05-22T03:24	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	755	2011-05-22T03:24	2011-05-22T04:14	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	756	2011-05-22T04:14	2011-05-22T05:04	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	757	2011-05-22T05:04	2011-05-22T05:54	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	758	2011-05-22T05:54	2011-05-22T06:44	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	759	2011-05-22T06:44	2011-05-22T07:35	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	760	2011-05-22T07:35	2011-05-22T08:25	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	761	2011-05-22T08:25	2011-05-22T09:15	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	762	2011-05-22T09:15	2011-05-22T10:05	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	763	2011-05-22T10:05	2011-05-22T10:55	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	764	2011-05-22T10:55	2011-05-22T11:45	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	765	2011-05-22T11:45	2011-05-22T12:35	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	766	2011-05-22T12:35	2011-05-22T13:25	Remote Bus Interface (RBI) status check error(EN-UNA-2

102	767	2011-05-22T13:25	2011-05-22T14:15	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	768	2011-05-22T14:15	2011-05-22T15:06	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	769	2011-05-22T15:06	2011-05-22T15:56	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	770	2011-05-22T15:56	2011-05-22T16:46	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	771	2011-05-22T16:46	2011-05-22T17:36	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	772	2011-05-22T17:36	2011-05-22T18:26	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	773	2011-05-22T18:26	2011-05-22T19:16	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	774	2011-05-22T19:16	2011-05-22T20:06	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	775	2011-05-22T20:06	2011-05-22T20:56	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	776	2011-05-22T20:56	2011-05-22T21:47	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	777	2011-05-22T21:47	2011-05-22T22:37	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	778	2011-05-22T22:37	2011-05-22T23:27	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	779	2011-05-22T23:27	2011-05-23T00:17	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	780	2011-05-23T00:17	2011-05-23T01:07	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	781	2011-05-23T01:07	2011-05-23T01:57	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	782	2011-05-23T01:57	2011-05-23T02:47	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	783	2011-05-23T02:47	2011-05-23T03:37	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	784	2011-05-23T03:37	2011-05-23T04:27	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	785	2011-05-23T04:27	2011-05-23T05:18	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	786	2011-05-23T05:18	2011-05-23T06:08	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	787	2011-05-23T06:08	2011-05-23T06:58	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	788	2011-05-23T06:58	2011-05-23T07:48	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	789	2011-05-23T07:48	2011-05-23T08:38	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	790	2011-05-23T08:38	2011-05-23T09:28	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	791	2011-05-23T09:28	2011-05-23T10:18	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	792	2011-05-23T10:18	2011-05-23T11:08	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	793	2011-05-23T11:08	2011-05-23T11:59	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	794	2011-05-23T11:59	2011-05-23T12:49	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	795	2011-05-23T12:49	2011-05-23T13:39	Remote Bus Interface (RBI) status check error(EN-UNA-2
102	804	2011-05-23T20:20	2011-05-23T21:10	unexplained missing telemetry
102	805	2011-05-23T21:10	2011-05-23T22:00	unexplained missing telemetry
102	806	2011-05-23T22:00	2011-05-23T22:50	unexplained missing telemetry
103	211	2011-06-02T05:01	2011-06-02T05:51	unexplained missing telemetry
103	230	2011-06-02T20:53	2011-06-02T21:43	unexplained missing telemetry
103	231	2011-06-02T21:43	2011-06-02T22:33	unexplained missing telemetry
103	232	2011-06-02T22:33	2011-06-02T23:24	unexplained missing telemetry
103	233	2011-06-02T23:24	2011-06-03T00:14	unexplained missing telemetry
103	234	2011-06-03T00:14	2011-06-03T01:04	unexplained missing telemetry
103	239	2011-06-03T04:24	2011-06-03T05:14	unexplained missing telemetry
103	381	2011-06-08T03:01	2011-06-08T03:51	unexplained missing telemetry
103	382	2011-06-08T03:51	2011-06-08T04:41	unexplained missing telemetry
103	383	2011-06-08T04:41	2011-06-08T05:31	unexplained missing telemetry
104	862	2011-07-24T20:47	2011-07-24T21:37	unexplained missing telemetry
106	793	2011-09-20T11:10	2011-09-20T12:00	unexplained missing telemetry
106	794	2011-09-20T12:00	2011-09-20T12:50	unexplained missing telemetry
106	817	2011-09-21T07:13	2011-09-21T08:03	unexplained missing telemetry
106	821	2011-09-21T10:33	2011-09-21T11:23	unexplained missing telemetry
106	845	2011-09-22T06:36	2011-09-22T07:26	unexplained missing telemetry

106	846	2011-09-22T07:26	2011-09-22T08:16	unexplained missing telemetry
106	847	2011-09-22T08:16	2011-09-22T09:06	unexplained missing telemetry
106	848	2011-09-22T09:06	2011-09-22T09:57	unexplained missing telemetry
106	849	2011-09-22T09:57	2011-09-22T10:47	unexplained missing telemetry
106	850	2011-09-22T10:47	2011-09-22T11:37	unexplained missing telemetry
106	851	2011-09-22T11:37	2011-09-22T12:27	unexplained missing telemetry
106	852	2011-09-22T12:27	2011-09-22T13:17	unexplained missing telemetry
106	853	2011-09-22T13:17	2011-09-22T14:07	unexplained missing telemetry
106	854	2011-09-22T14:07	2011-09-22T14:57	unexplained missing telemetry
106	855	2011-09-22T14:57	2011-09-22T15:47	unexplained missing telemetry
106	856	2011-09-22T15:47	2011-09-22T16:37	unexplained missing telemetry
106	857	2011-09-22T16:37	2011-09-22T17:28	unexplained missing telemetry
106	858	2011-09-22T17:28	2011-09-22T18:18	unexplained missing telemetry
106	859	2011-09-22T18:18	2011-09-22T19:08	unexplained missing telemetry
106	860	2011-09-22T19:08	2011-09-22T19:58	unexplained missing telemetry
107	821	2011-10-21T10:34	2011-10-21T11:24	unexplained missing telemetry
109	825	2011-12-20T13:54	2011-12-20T14:44	unexplained missing telemetry
109	826	2011-12-20T14:44	2011-12-20T15:35	unexplained missing telemetry
109	827	2011-12-20T15:35	2011-12-20T16:25	unexplained missing telemetry
109	828	2011-12-20T16:25	2011-12-20T17:15	unexplained missing telemetry
109	829	2011-12-20T17:15	2011-12-20T18:05	unexplained missing telemetry
109	830	2011-12-20T18:05	2011-12-20T18:55	unexplained missing telemetry
109	831	2011-12-20T18:55	2011-12-20T19:45	unexplained missing telemetry
109	832	2011-12-20T19:45	2011-12-20T20:35	unexplained missing telemetry
109	833	2011-12-20T20:35	2011-12-20T21:25	unexplained missing telemetry
109	834	2011-12-20T21:25	2011-12-20T22:16	unexplained missing telemetry
109	835	2011-12-20T22:16	2011-12-20T23:06	unexplained missing telemetry
109	836	2011-12-20T23:06	2011-12-20T23:56	unexplained missing telemetry
109	837	2011-12-20T23:56	2011-12-21T00:46	unexplained missing telemetry
109	838	2011-12-21T00:46	2011-12-21T01:36	unexplained missing telemetry
109	839	2011-12-21T01:36	2011-12-21T02:26	unexplained missing telemetry
109	840	2011-12-21T02:26	2011-12-21T03:16	unexplained missing telemetry
109	841	2011-12-21T03:16	2011-12-21T04:06	unexplained missing telemetry
109	842	2011-12-21T04:06	2011-12-21T04:56	unexplained missing telemetry
109	843	2011-12-21T04:56	2011-12-21T05:47	unexplained missing telemetry
109	844	2011-12-21T05:47	2011-12-21T06:37	unexplained missing telemetry
109	845	2011-12-21T06:37	2011-12-21T07:27	unexplained missing telemetry
109	846	2011-12-21T07:27	2011-12-21T08:17	unexplained missing telemetry
109	847	2011-12-21T08:17	2011-12-21T09:07	unexplained missing telemetry
109	848	2011-12-21T09:07	2011-12-21T09:57	unexplained missing telemetry
109	849	2011-12-21T09:57	2011-12-21T10:47	unexplained missing telemetry
109	850	2011-12-21T10:47	2011-12-21T11:37	unexplained missing telemetry
109	851	2011-12-21T11:37	2011-12-21T12:28	unexplained missing telemetry
109	852	2011-12-21T12:28	2011-12-21T13:18	unexplained missing telemetry
109	853	2011-12-21T13:18	2011-12-21T14:08	unexplained missing telemetry
109	854	2011-12-21T14:08	2011-12-21T14:58	unexplained missing telemetry
109	855	2011-12-21T14:58	2011-12-21T15:48	unexplained missing telemetry
109	856	2011-12-21T15:48	2011-12-21T16:38	unexplained missing telemetry

109	857	2011-12-21T16:38	2011-12-21T17:28	unexplained missing telemetry
109	858	2011-12-21T17:28	2011-12-21T18:18	unexplained missing telemetry
109	859	2011-12-21T18:18	2011-12-21T19:08	unexplained missing telemetry
109	860	2011-12-21T19:08	2011-12-21T19:59	unexplained missing telemetry
109	861	2011-12-21T19:59	2011-12-21T20:49	unexplained missing telemetry
109	862	2011-12-21T20:49	2011-12-21T21:39	unexplained missing telemetry
110	1	2011-12-21T21:39	2011-12-21T22:29	unexplained missing telemetry
110	2	2011-12-21T22:29	2011-12-21T23:19	unexplained missing telemetry
110	3	2011-12-21T23:19	2011-12-22T00:09	unexplained missing telemetry
110	4	2011-12-22T00:09	2011-12-22T00:59	unexplained missing telemetry
110	5	2011-12-22T00:59	2011-12-22T01:49	unexplained missing telemetry
110	6	2011-12-22T01:49	2011-12-22T02:39	unexplained missing telemetry
110	7	2011-12-22T02:39	2011-12-22T03:30	unexplained missing telemetry
110	8	2011-12-22T03:30	2011-12-22T04:20	unexplained missing telemetry
110	9	2011-12-22T04:20	2011-12-22T05:10	unexplained missing telemetry
110	10	2011-12-22T05:10	2011-12-22T06:00	unexplained missing telemetry
110	11	2011-12-22T06:00	2011-12-22T06:50	unexplained missing telemetry
110	12	2011-12-22T06:50	2011-12-22T07:40	unexplained missing telemetry
110	13	2011-12-22T07:40	2011-12-22T08:30	unexplained missing telemetry
110	14	2011-12-22T08:30	2011-12-22T09:20	unexplained missing telemetry
110	15	2011-12-22T09:20	2011-12-22T10:11	unexplained missing telemetry
110	16	2011-12-22T10:11	2011-12-22T11:01	MWR Restart due to High Speed Multiplexer (HSM) error
110	17	2011-12-22T11:01	2011-12-22T11:51	MWR Restart due to High Speed Multiplexer (HSM) error
110	18	2011-12-22T11:51	2011-12-22T12:41	unexplained missing telemetry
110	19	2011-12-22T12:41	2011-12-22T13:31	unexplained missing telemetry
110	20	2011-12-22T13:31	2011-12-22T14:21	unexplained missing telemetry
110	21	2011-12-22T14:21	2011-12-22T15:11	unexplained missing telemetry
110	22	2011-12-22T15:11	2011-12-22T16:01	unexplained missing telemetry
110	23	2011-12-22T16:01	2011-12-22T16:51	unexplained missing telemetry
110	24	2011-12-22T16:51	2011-12-22T17:42	unexplained missing telemetry
110	25	2011-12-22T17:42	2011-12-22T18:32	unexplained missing telemetry
110	26	2011-12-22T18:32	2011-12-22T19:22	unexplained missing telemetry
110	27	2011-12-22T19:22	2011-12-22T20:12	unexplained missing telemetry
110	28	2011-12-22T20:12	2011-12-22T21:02	unexplained missing telemetry
110	29	2011-12-22T21:02	2011-12-22T21:52	unexplained missing telemetry
110	30	2011-12-22T21:52	2011-12-22T22:42	unexplained missing telemetry
110	31	2011-12-22T22:42	2011-12-22T23:32	unexplained missing telemetry
110	32	2011-12-22T23:32	2011-12-23T00:23	unexplained missing telemetry
110	33	2011-12-23T00:23	2011-12-23T01:13	unexplained missing telemetry
110	34	2011-12-23T01:13	2011-12-23T02:03	unexplained missing telemetry
110	35	2011-12-23T02:03	2011-12-23T02:53	unexplained missing telemetry
110	36	2011-12-23T02:53	2011-12-23T03:43	unexplained missing telemetry
110	37	2011-12-23T03:43	2011-12-23T04:33	unexplained missing telemetry
110	38	2011-12-23T04:33	2011-12-23T05:23	unexplained missing telemetry
110	39	2011-12-23T05:23	2011-12-23T06:13	unexplained missing telemetry
110	40	2011-12-23T06:13	2011-12-23T07:03	unexplained missing telemetry
110	41	2011-12-23T07:03	2011-12-23T07:54	unexplained missing telemetry
110	42	2011-12-23T07:54	2011-12-23T08:44	unexplained missing telemetry

110	43	2011-12-23T08:44	2011-12-23T09:34	unexplained missing telemetry
110	44	2011-12-23T09:34	2011-12-23T10:24	unexplained missing telemetry
110	45	2011-12-23T10:24	2011-12-23T11:14	unexplained missing telemetry
110	46	2011-12-23T11:14	2011-12-23T12:04	unexplained missing telemetry
110	47	2011-12-23T12:04	2011-12-23T12:54	unexplained missing telemetry
110	48	2011-12-23T12:54	2011-12-23T13:44	unexplained missing telemetry
110	49	2011-12-23T13:44	2011-12-23T14:34	unexplained missing telemetry
110	50	2011-12-23T14:34	2011-12-23T15:25	unexplained missing telemetry
110	51	2011-12-23T15:25	2011-12-23T16:15	unexplained missing telemetry
110	52	2011-12-23T16:15	2011-12-23T17:05	unexplained missing telemetry
110	53	2011-12-23T17:05	2011-12-23T17:55	unexplained missing telemetry
110	54	2011-12-23T17:55	2011-12-23T18:45	unexplained missing telemetry
110	55	2011-12-23T18:45	2011-12-23T19:35	unexplained missing telemetry
110	56	2011-12-23T19:35	2011-12-23T20:25	unexplained missing telemetry
110	57	2011-12-23T20:25	2011-12-23T21:15	unexplained missing telemetry
110	58	2011-12-23T21:15	2011-12-23T22:06	unexplained missing telemetry
110	59	2011-12-23T22:06	2011-12-23T22:56	unexplained missing telemetry
110	60	2011-12-23T22:56	2011-12-23T23:46	unexplained missing telemetry
110	61	2011-12-23T23:46	2011-12-24T00:36	unexplained missing telemetry
110	62	2011-12-24T00:36	2011-12-24T01:26	unexplained missing telemetry
110	63	2011-12-24T01:26	2011-12-24T02:16	unexplained missing telemetry
110	64	2011-12-24T02:16	2011-12-24T03:06	unexplained missing telemetry
110	65	2011-12-24T03:06	2011-12-24T03:56	unexplained missing telemetry
110	66	2011-12-24T03:56	2011-12-24T04:46	unexplained missing telemetry
110	67	2011-12-24T04:46	2011-12-24T05:37	unexplained missing telemetry
110	68	2011-12-24T05:37	2011-12-24T06:27	unexplained missing telemetry
110	69	2011-12-24T06:27	2011-12-24T07:17	unexplained missing telemetry
110	70	2011-12-24T07:17	2011-12-24T08:07	unexplained missing telemetry
110	71	2011-12-24T08:07	2011-12-24T08:57	unexplained missing telemetry
110	72	2011-12-24T08:57	2011-12-24T09:47	unexplained missing telemetry
110	73	2011-12-24T09:47	2011-12-24T10:37	unexplained missing telemetry
110	74	2011-12-24T10:37	2011-12-24T11:27	unexplained missing telemetry
110	75	2011-12-24T11:27	2011-12-24T12:17	unexplained missing telemetry
110	76	2011-12-24T12:17	2011-12-24T13:08	unexplained missing telemetry
110	77	2011-12-24T13:08	2011-12-24T13:58	unexplained missing telemetry
110	78	2011-12-24T13:58	2011-12-24T14:48	unexplained missing telemetry
110	79	2011-12-24T14:48	2011-12-24T15:38	unexplained missing telemetry
110	80	2011-12-24T15:38	2011-12-24T16:28	unexplained missing telemetry
110	81	2011-12-24T16:28	2011-12-24T17:18	unexplained missing telemetry
110	82	2011-12-24T17:18	2011-12-24T18:08	unexplained missing telemetry
110	83	2011-12-24T18:08	2011-12-24T18:58	unexplained missing telemetry
110	84	2011-12-24T18:58	2011-12-24T19:49	unexplained missing telemetry
110	85	2011-12-24T19:49	2011-12-24T20:39	unexplained missing telemetry
110	86	2011-12-24T20:39	2011-12-24T21:29	unexplained missing telemetry
110	87	2011-12-24T21:29	2011-12-24T22:19	unexplained missing telemetry
110	88	2011-12-24T22:19	2011-12-24T23:09	unexplained missing telemetry
110	89	2011-12-24T23:09	2011-12-24T23:59	unexplained missing telemetry
110	90	2011-12-24T23:59	2011-12-25T00:49	unexplained missing telemetry

110	91	2011-12-25T00:49	2011-12-25T01:39	unexplained missing telemetry
110	92	2011-12-25T01:39	2011-12-25T02:29	unexplained missing telemetry
110	93	2011-12-25T02:29	2011-12-25T03:20	unexplained missing telemetry
110	94	2011-12-25T03:20	2011-12-25T04:10	unexplained missing telemetry
110	95	2011-12-25T04:10	2011-12-25T05:00	unexplained missing telemetry
110	96	2011-12-25T05:00	2011-12-25T05:50	unexplained missing telemetry
110	97	2011-12-25T05:50	2011-12-25T06:40	unexplained missing telemetry
110	98	2011-12-25T06:40	2011-12-25T07:30	unexplained missing telemetry
110	99	2011-12-25T07:30	2011-12-25T08:20	unexplained missing telemetry
110	100	2011-12-25T08:20	2011-12-25T09:10	unexplained missing telemetry
110	101	2011-12-25T09:10	2011-12-25T10:01	unexplained missing telemetry
110	102	2011-12-25T10:01	2011-12-25T10:51	unexplained missing telemetry
110	103	2011-12-25T10:51	2011-12-25T11:41	unexplained missing telemetry
110	104	2011-12-25T11:41	2011-12-25T12:31	unexplained missing telemetry
110	105	2011-12-25T12:31	2011-12-25T13:21	unexplained missing telemetry
110	106	2011-12-25T13:21	2011-12-25T14:11	unexplained missing telemetry
110	107	2011-12-25T14:11	2011-12-25T15:01	unexplained missing telemetry
110	108	2011-12-25T15:01	2011-12-25T15:51	unexplained missing telemetry
110	109	2011-12-25T15:51	2011-12-25T16:41	unexplained missing telemetry
110	110	2011-12-25T16:41	2011-12-25T17:32	unexplained missing telemetry
110	111	2011-12-25T17:32	2011-12-25T18:22	unexplained missing telemetry
110	112	2011-12-25T18:22	2011-12-25T19:12	unexplained missing telemetry
110	113	2011-12-25T19:12	2011-12-25T20:02	unexplained missing telemetry
110	114	2011-12-25T20:02	2011-12-25T20:52	unexplained missing telemetry
110	115	2011-12-25T20:52	2011-12-25T21:42	unexplained missing telemetry
110	116	2011-12-25T21:42	2011-12-25T22:32	unexplained missing telemetry
110	117	2011-12-25T22:32	2011-12-25T23:22	unexplained missing telemetry
110	118	2011-12-25T23:22	2011-12-26T00:12	unexplained missing telemetry
110	119	2011-12-26T00:12	2011-12-26T01:03	unexplained missing telemetry
110	120	2011-12-26T01:03	2011-12-26T01:53	unexplained missing telemetry
110	121	2011-12-26T01:53	2011-12-26T02:43	unexplained missing telemetry
110	122	2011-12-26T02:43	2011-12-26T03:33	unexplained missing telemetry
110	123	2011-12-26T03:33	2011-12-26T04:23	unexplained missing telemetry
110	124	2011-12-26T04:23	2011-12-26T05:13	unexplained missing telemetry
110	125	2011-12-26T05:13	2011-12-26T06:03	unexplained missing telemetry
110	126	2011-12-26T06:03	2011-12-26T06:53	unexplained missing telemetry
110	127	2011-12-26T06:53	2011-12-26T07:44	unexplained missing telemetry
110	128	2011-12-26T07:44	2011-12-26T08:34	unexplained missing telemetry
110	129	2011-12-26T08:34	2011-12-26T09:24	unexplained missing telemetry
110	130	2011-12-26T09:24	2011-12-26T10:14	unexplained missing telemetry
110	131	2011-12-26T10:14	2011-12-26T11:04	unexplained missing telemetry
110	132	2011-12-26T11:04	2011-12-26T11:54	unexplained missing telemetry
110	133	2011-12-26T11:54	2011-12-26T12:44	unexplained missing telemetry
110	134	2011-12-26T12:44	2011-12-26T13:34	unexplained missing telemetry
110	135	2011-12-26T13:34	2011-12-26T14:24	unexplained missing telemetry
110	136	2011-12-26T14:24	2011-12-26T15:15	unexplained missing telemetry
110	137	2011-12-26T15:15	2011-12-26T16:05	unexplained missing telemetry
110	138	2011-12-26T16:05	2011-12-26T16:55	unexplained missing telemetry

110	139	2011-12-26T16:55	2011-12-26T17:45	unexplained missing telemetry
110	140	2011-12-26T17:45	2011-12-26T18:35	unexplained missing telemetry
110	141	2011-12-26T18:35	2011-12-26T19:25	unexplained missing telemetry
110	142	2011-12-26T19:25	2011-12-26T20:15	unexplained missing telemetry
110	143	2011-12-26T20:15	2011-12-26T21:05	unexplained missing telemetry
110	144	2011-12-26T21:05	2011-12-26T21:56	unexplained missing telemetry
110	145	2011-12-26T21:56	2011-12-26T22:46	unexplained missing telemetry
110	146	2011-12-26T22:46	2011-12-26T23:36	unexplained missing telemetry
110	147	2011-12-26T23:36	2011-12-27T00:26	unexplained missing telemetry
110	148	2011-12-27T00:26	2011-12-27T01:16	unexplained missing telemetry
110	149	2011-12-27T01:16	2011-12-27T02:06	unexplained missing telemetry
110	150	2011-12-27T02:06	2011-12-27T02:56	unexplained missing telemetry
110	151	2011-12-27T02:56	2011-12-27T03:46	unexplained missing telemetry
110	152	2011-12-27T03:46	2011-12-27T04:36	unexplained missing telemetry
110	153	2011-12-27T04:36	2011-12-27T05:27	unexplained missing telemetry
110	154	2011-12-27T05:27	2011-12-27T06:17	unexplained missing telemetry
110	155	2011-12-27T06:17	2011-12-27T07:07	unexplained missing telemetry
110	156	2011-12-27T07:07	2011-12-27T07:57	unexplained missing telemetry
110	157	2011-12-27T07:57	2011-12-27T08:47	unexplained missing telemetry
110	158	2011-12-27T08:47	2011-12-27T09:37	unexplained missing telemetry
110	159	2011-12-27T09:37	2011-12-27T10:27	unexplained missing telemetry
110	160	2011-12-27T10:27	2011-12-27T11:17	unexplained missing telemetry
110	161	2011-12-27T11:17	2011-12-27T12:07	unexplained missing telemetry
110	162	2011-12-27T12:07	2011-12-27T12:58	unexplained missing telemetry
110	163	2011-12-27T12:58	2011-12-27T13:48	unexplained missing telemetry
110	164	2011-12-27T13:48	2011-12-27T14:38	High Speed Multiplexer (HSM) Input Module reset(EN-U
110	165	2011-12-27T14:38	2011-12-27T15:28	High Speed Multiplexer (HSM) Input Module reset(EN-U
110	166	2011-12-27T15:28	2011-12-27T16:18	High Speed Multiplexer (HSM) Input Module reset(EN-U
110	167	2011-12-27T16:18	2011-12-27T17:08	High Speed Multiplexer (HSM) Input Module reset(EN-U
111	70	2012-01-23T07:17	2012-01-23T08:07	Service Module Memory Fault(EN-UNA-2012/0010)
111	71	2012-01-23T08:07	2012-01-23T08:57	Service Module Memory Fault(EN-UNA-2012/0010)
111	72	2012-01-23T08:57	2012-01-23T09:47	Service Module Memory Fault(EN-UNA-2012/0010)
111	73	2012-01-23T09:47	2012-01-23T10:37	Service Module Memory Fault(EN-UNA-2012/0010)
111	74	2012-01-23T10:37	2012-01-23T11:27	Service Module Memory Fault(EN-UNA-2012/0010)
111	75	2012-01-23T11:27	2012-01-23T12:18	Service Module Memory Fault(EN-UNA-2012/0010)
111	76	2012-01-23T12:18	2012-01-23T13:08	Service Module Memory Fault(EN-UNA-2012/0010)
111	77	2012-01-23T13:08	2012-01-23T13:58	Service Module Memory Fault(EN-UNA-2012/0010)
111	380	2012-02-03T02:13	2012-02-03T03:03	unexplained missing telemetry
111	381	2012-02-03T03:03	2012-02-03T03:53	unexplained missing telemetry
111	382	2012-02-03T03:53	2012-02-03T04:43	unexplained missing telemetry
111	383	2012-02-03T04:43	2012-02-03T05:33	unexplained missing telemetry
111	411	2012-02-04T04:06	2012-02-04T04:57	unexplained missing telemetry
111	412	2012-02-04T04:57	2012-02-04T05:47	unexplained missing telemetry
111	413	2012-02-04T05:47	2012-02-04T06:37	unexplained missing telemetry
112	400	2012-03-04T18:55	2012-03-04T19:45	unexplained missing telemetry
113	535	2012-04-08T11:41	2012-04-08T12:31	unexplained missing telemetry

When a whole FDR file is missing, a correspondence has been established with instrumental anomalies, following the mission anomaly log found in the report IDEAS - RA2/MWR/DORIS instruments events during ENVISAT mission [IDEAS-SER-OQC-REP-1090 issue v1.7].

More than 1417 missing files cannot be explained by the instrumental anomalies. Sometimes, it corresponds to date where there is an issue on the altimeter but not on the MWR. This could mean that MWR telemetry, if it exists, could be recovered on such dates.

Appendix A - FDR4ALT deliverables

The table below lists all FDR4ALT deliverables with their respective ID number and confidentiality level.

Document	ID	Confidentiality Level
Products Requirements & Format Specifications Document	[D-1-01] [D-2-02]	Public
Roadmap & Product Summary Document	[D-1-02]	Project Internal
Data Requirements Document	[D-1-03]	Project Internal
System Maturity Matrix	[D-1-04]	Project Internal
Examples of products	[D-1-05]	Project Internal
Review Procedure Document	[D-1-06]	Project Internal
Review Data Package	[D-1-07]	Project Internal
Phase 1 Review Report Document	[D-1-08]	Project Internal
Detailed Processing Model Document	[D-2-01]	Public
Round Robin Assessment Report Document	[D-2-03]	Public
Data Production Status Report	[D-3-01]	Project Internal
Final Output Dataset	[D-3-01]	Public
Product Validation Plan	[D-4-01]	Project Internal
Product Validation Report : FDR	[D-4-02a]	Public
Product Validation Report : Sea-Ice TDP	[D-4-02b]	Public
Product Validation Report: Land-Ice TDP	[D-4-02c]	Public
Product Validation Report : Ocean Waves TDP	[D-4-02d]	Public
Product Validation Report : Ocean & Coastal TDP	[D-4-02e]	Public
Product Validation Report: Inland Waters TDP	[D-4-02f]	Public
Product Validation Report: Atmosphere TDP	[D-4-02g]	Public
Uncertainty Characterization Definition Document	[D-5-01]	Project Internal
Uncertainty Characterization Report	[D-5-02]	Public
Product User Guide	[D-5-03]	Public
Completeness Report ALT	[D-7-01]	Public
Completeness Report MWR	[D-7-02]	Public

Table 2 : List of FDR4ALT deliverables

Appendix B - Acronyms

AATSR	Advanced Along-Track Scanning Radiometer
AEM	Airborne electromagnetic
AIR	AIRWAVES2
AVISO	Archivage, Validation et Interprétation des données des Satellites Océanographiques
AMSR-E	Advanced Microwave Scanning Radiometer - Earth Observing System sensor
AMSU-A	Advanced Microwave Sounding Unit-A
ALT	Altimetry
ASSIST	Arctic Shipborne Sea Ice Standardization Tool
ATM	Airborne Topographic Mapper
BDHI	Base de datos Hidrologica integrada
BGEP	Beaufort Gyre Exploration Project
CAL	Calibration
CCI	Climate Change Initiative
CFOSAT	Chinese-French Oceanic SATellite
CDS	Copernicus Data Service
CLS	Collecte Localisation Satellite
CMEMS	Copernicus Marine Environment Monitoring Service
CMSAF	Climate Monitoring Satellite Application Facility
CNES	Centre National des Etudes Spatiales
CRREL	Cold Regions Research and Engineering Laboratory
DAHITI	Database for Hydrological Time Series of Inland Waters
DGA	Dirección General de Aguas
ENVISAT	ENVironment SATellite
EMD	Empirical mode decomposition
EO	Earth Observation
EPS	European Polar System
ERA	ECMWF Re-Analysis
ERS	European Remote-Sensing Satellite
ESA	European Space Agency
ESTEC	European Space Research and Technology Centre
FCDR	Fundamental Climate Data Record
FDR	Fundamental Data Records
FIDUCEO	Fidelity and uncertainty in climate data records from Earth Observations
FMR	Full Mission Reprocessing
FYI	First Year Ice
GEWEX	Global Energy and Water Exchanges
GFO	Geosat Follow-On
GIEMS	Global Inundation Extent from Multi-Satellites
GMSL	Global Mean Sea Level
GNSS	Global Navigation Satellite System
GPM	Global Precipitation Measurement
GRDC	Global Runoff Data Centre
G-REALM	Global Reservoir And Lake Monitor
G-VAP	GEWEX Water Vapour Assessment
HYBAM	HYdro-géochimie du Bassin AMazonien
ICARE	
IGM	Instituto Geografico Militar
IGN	Instituto Geografico Nacional

IMB	Ice Mass Balance
INA	Instituto Nacional de Agua
ISRO	Indian Space Research Organisation
IRPI	Istituto di Ricerca per la Protezione Idrogeologia
IWMI	International Water Management Institute
LEGOS	Laboratoire d'Etudes en Géophysique et Océanographie Spatiales
LIDAR	Ligth Detection And Ranging
LTAN	Local time of the ascending node
LWP	Liquid Water Path
MAC	Multisensor Advanced Climatology
MEAS-SIM	Measure-Simulation
MQE	Mean Quadratic Error
MSSH	Mean Sea Surface Height
MWR	Microwave Radiometer
NASA	National Aeronautics and Space Administration
NE	North East
NN	Neural Network
NPI	Norwegian Polar institute
NWP	Numerical Weather Prediction
NOAA	National Oceanic and Atmospheric Administration
OIB	Operation Ice Bridge
OLC	Open Loop Calibration
OSTST	Oceanography Surface Topography Science Team
POSTEL	Pôle d'Observation des Surfaces continentales par TELEdetection
PTR	Point Target Response
RD	Reference Document
REAPER	Reprocessing of Altimeter Products for ERS
RM	Review Meeting
RSS	Remote Sensing System
SALP	Service d'Altimétrie et de Localisation Précise
SARAL	Satellite with Argos and AltiKa
SLA	Sea Level Anomaly
SCICEX	Submarine Arctic Science Program
SGDR	Sensor Geophysical Data Record
SHOA	Servicio Hidrografico y Oceanografico de la Armada
SSB	Sea State Bias
SSH	Sea Surface Height
SSM/I	Special sensor microwave/imager
SST	Sea Surface Temperature
SWH	Significant Wave Height
SWIM	Surface Waves Investigation and Monitoring instrument
TAC	Thematic Assembly Center
TB	Température de Brillance (Brightness Temperature)
TDP	Thematic Data Products
TDS	Test Data Set
TFMRA	Threshold First-Maximum Retracker Algorithm
TMR	Topex Microwave Radiometer
TP	Topex/Poseidon
TCWV	Total column water vapour
VCC	Vicarious calibration
VS	Virtual Station
ULS	Upward Looking Sonar

USA United States of America
USDA United States Department of Agriculture
WHALES Wave Height Adaptive Leading Edge Subwaveform
WTC Wet Tropospheric Correction

