



DUE Coastcolour

Technical Note


On MERIS Input Data Completeness

Version 1.0

12 May 2012



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**BROCKMANN
CONSULT**

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Revision History

Version	Date	Change	Author
0.1	09.05.2012	TOC	M. Boettcher
0.8	12.05.2012	Analysis for FR data completeness added	M. Boettcher
1.0	12.05.2012	Review	K. Poser, C. Brockmann



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1 SCOPE OF THIS DOCUMENT

Is the MERIS input data used in CoastColour complete with respect to all MERIS data that may exist? This technical note of the ESA DUE CoastColour project reports the results of an analysis of input data completeness. The analysis is done by comparing the inventory of the input data archive at Brockmann Consult with the inventories of ESA.

2 INTRODUCTION

The MERIS FRS L1B dataset used by CoastColour has been provided by ESA and is stored at Brockmann Consult. This dataset comprises 88120 files of variable size for the years 2005 to 2010. Due to resource limitations MERIS FRS is not systematically acquired. This makes it difficult to assess whether the dataset is complete. A comparison of different inventories reveals that there are products missing in the CoastColour input dataset.

The following sections describe

- the spatial coverage and revisit frequency of MERIS FRS for two example months
- the comparison of the CoastColour inventory with the EOLI catalogue content
- the results of an exercise to order some of the missing products
- the list of orbits missing

3 Monthly Coverage of MERIS FRS

The revisit frequency of MERIS FRS at the equator region could theoretically be up to about once every two days. Figure 3-1 shows the number of products on the resolution of 0.2° in January 2009.

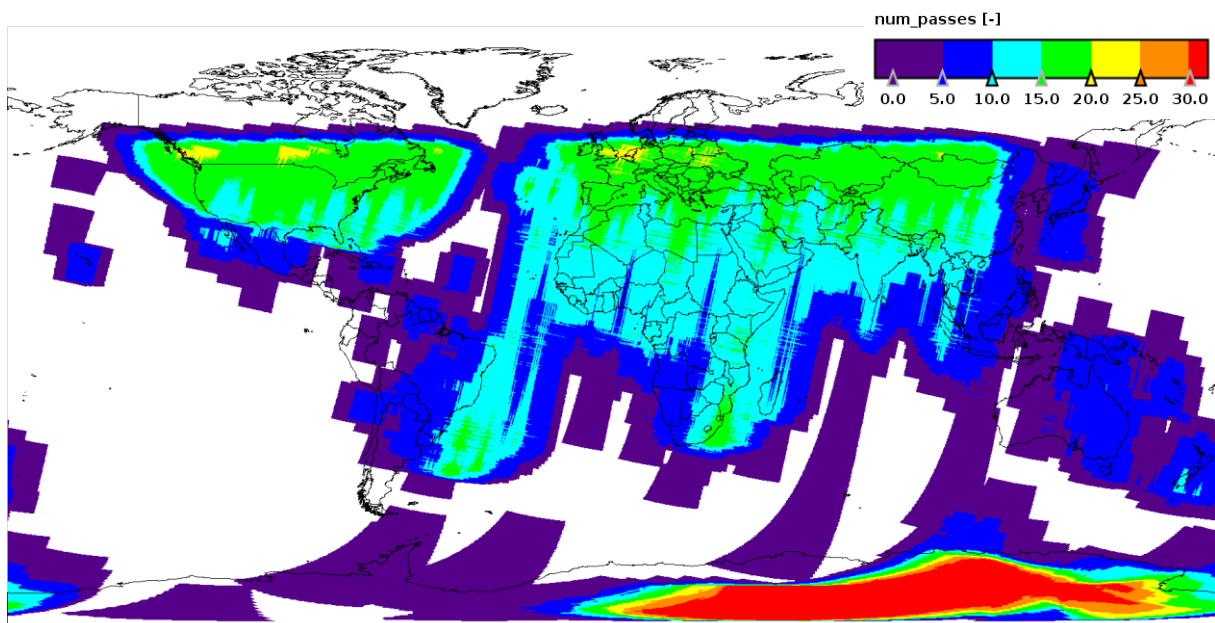


Figure 3-1: Monthly coverage of MERIS FRS for January 2009 (CoastColour inventory)

There are regions well covered but other regions like South America that are only sparsely revisited. Figure 3-2 shows the same for July 2009.

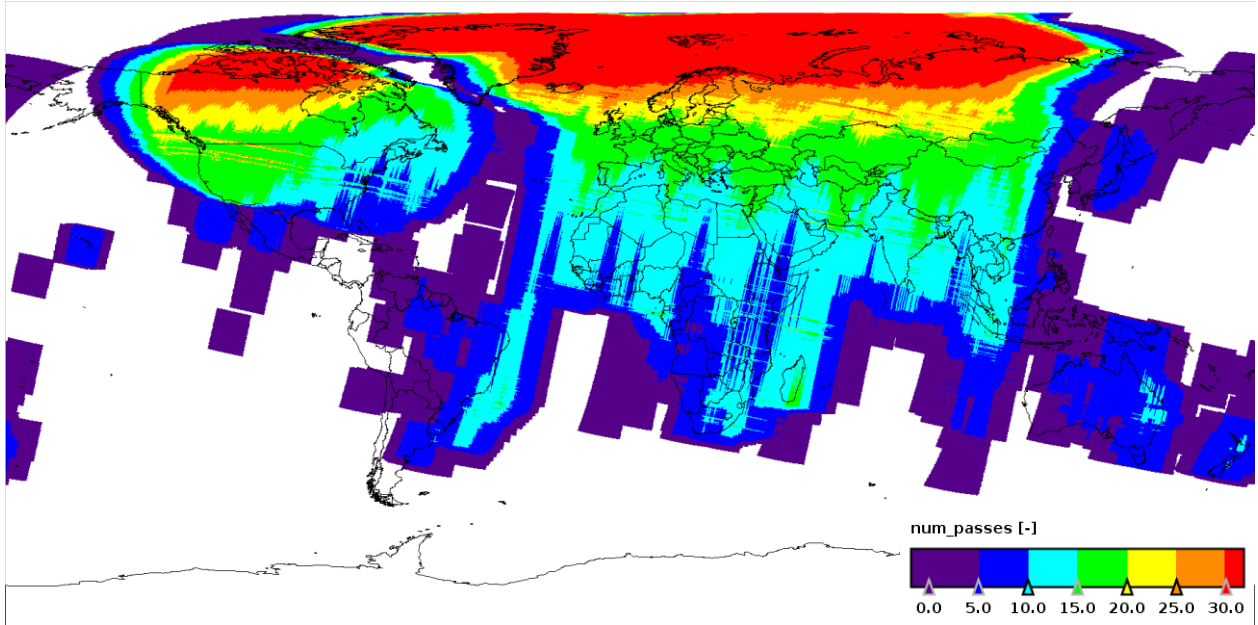


Figure 3-2: Monthly coverage of MERIS FRS for July 2009 (CoastColour inventory)

4 INVENTORY COMPARISON

For MERIS FRS the EOLI catalogue is considered to be the master of information on available products. EOLI contains information about L0. The L0 usually are longer stripes than L1B. L1B is limited in size to be less than 2 GB which corresponds to at most 512 seconds of acquisition time.

To compare the EOLI L0 inventory with the Brockmann Consult inventory of L1B

- CSV extracts of EOLI have been made (in chunks of 4 to 6 months via the web interface, then concatenated into one large CSV file) for 2005 to 2010
- all L1B entries of the BC inventory have been related to corresponding EOLI entries by time and duration (criterion: center time of BC entry is within start-stop of EOLI-L0)
- EOLI entries not related to some BC inventory entry are counted, counts are aggregated per year.

The alignment of related products looks like the following:

EOLI L0 start time and duration	BC archive L1B start time and duration
2005-01-01 01:14:51.67 0:07:56.34	2005-01-01 01:14:49 0:08:01.50
2005-01-01 02:36:09.04 0:11:53.22	2005-01-01 02:36:07 0:08:32.48
- " -	2005-01-01 02:44:37 0:03:25.55
2005-01-01 04:10:49.73 0:14:24.44	2005-01-01 04:10:47 0:08:32.48
- " -	2005-01-01 04:19:17 0:04:16.24
- " -	2005-01-01 04:23:32 0:01:44.18
...	...

The archive of Brockmann Consult for 2005 to 2010 contains 88120 MERIS FRS L1B products. The EOLI catalogue contains 54862 MERIS L0 products for the same period. The following table lists EOLI entries per year and the number of entries without corresponding L1B in the BC archive.

Year	#EOLI L0 Entries	#EOLI L0 Entries without corresponding BC L1B
2005	10496	430
2006	9922	520
2007	9397	151
2008	9072	676
2009	8674	77
2010	7301	209


The complete list of missing start times and durations are listed in section 5.

5 LISTS OF ORBITS MISSING

The following tables lists the start time and duration of EOLI L0 entries that do not have a corresponding entry in the BC inventory.

2005

2005-01-01 22:54:56.13 0:11:47.85	2005-05-22 18:34:41.16 0:01:39	2005-08-02 19:11:43.82 0:01:39
2005-01-01 23:10:30.28 0:02:47.34	2005-05-24 17:31:41.57 0:02:16.45	2005-08-03 18:40:24.69 0:01:39
2005-01-02 00:33:40.29 0:09:58.12	2005-05-25 08:49:38.68 0:08:02.19	2005-08-04 18:09:01.86 0:01:46.56
2005-01-02 02:12:45.84 0:05:10.52	2005-05-26 18:09:03.50 0:01:47.03	2005-08-04 19:48:38.47 0:01:39
2005-01-02 02:18:49.22 0:04:58.59	2005-05-27 19:17:22.20 0:01:39	2005-08-05 15:55:43.64 0:01:39
2005-01-02 03:41:24.15 0:09:52.36	2005-05-27 19:27:43.90 0:05:30.84	2005-08-05 19:17:21.50 0:01:39
2005-01-02 05:19:52.72 0:12:11.61	2005-05-27 23:10:27.93 0:07:18.55	2005-08-06 08:52:20.84 0:06:55.53
2005-01-02 07:00:28.72 0:06:20.50	2005-05-29 10:09:23.76 0:08:06.41	2005-08-06 08:59:51.81 0:03:23.51
2005-01-02 07:07:40.11 0:04:09.53	2005-05-30 01:14:57.04 0:02:03.39	2005-08-06 18:46:04.91 0:01:39
2005-01-02 07:18:09.31 0:06:56.68	2005-05-31 20:33:54.30 0:04:24.89	2005-08-07 00:16:47.71 0:08:10.06
2005-01-02 12:04:59.16 0:03:31.61	2005-05-31 20:44:28.08 0:03:02.48	2005-08-07 18:14:45.62 0:01:39
2005-01-02 12:17:13.16 0:11:31.80	2005-05-31 20:50:13.54 0:02:51.62	2005-08-07 19:54:18.09 0:01:39
2005-01-02 13:57:23.72 0:01:44.26	2005-05-31 22:38:09.56 0:07:12.47	2005-08-08 16:13:27.30 0:01:41.18
2005-01-07 01:33:46.27 0:03:31.34	2005-06-01 18:20:30.40 0:01:39	2005-08-08 17:43:09.07 0:02:07.58
2005-01-07 02:44:26.47 0:10:16.47	2005-06-01 20:00:04.95 0:01:39	2005-08-08 17:52:01.09 0:02:14.39
2005-01-07 09:35:33.65 0:03:12.34	2005-06-02 09:45:07.48 0:04:21.37	2005-08-09 17:11:22.20 0:01:39
2005-01-07 11:08:33.62 0:03:50.62	2005-06-02 11:09:45.46 0:08:19.61	2005-08-10 22:13:42.54 0:07:13.01
2005-01-07 11:13:34.96 0:03:49.60	2005-06-03 09:13:48.41 0:05:24.73	2005-08-11 01:34:56.98 0:03:53.61
2005-01-07 17:47:10.75 0:02:15.45	2005-06-05 06:11:41.03 0:04:06.58	2005-08-15 22:28:04.96 0:05:45.23
2005-01-07 20:05:42.06 0:02:31.36	2005-06-05 06:31:08.49 0:05:54.16	2005-08-16 00:09:32.45 0:09:53.33
2005-01-07 21:30:41.93 0:08:11.47	2005-06-05 12:54:06.01 0:07:21.84	2005-08-16 02:05:50.85 0:02:49.23
2005-01-07 23:09:31.39 0:09:18.39	2005-06-05 14:33:28.64 0:05:39.23	2005-08-16 02:12:56.83 0:08:31
2005-01-08 07:19:57.87 0:05:57.76	2005-06-05 16:14:04.57 0:03:26.89	2005-08-19 13:36:12.06 0:07:06.13
2005-01-08 07:29:32.38 0:06:53.82	2005-06-06 20:42:49.57 0:01:39	2005-08-19 13:58:44.93 0:01:44.20
2005-01-08 08:52:45.02 0:06:46.43	2005-06-07 18:31:53.67 0:01:39	2005-08-19 15:29:48.83 0:01:58.29
2005-01-08 10:33:15.92 0:04:27.83	2005-06-08 18:20:30.40 0:01:52.52	2005-08-19 20:21:05.93 0:02:07.58
2005-01-08 12:29:47.57 0:05:16.81	2005-06-08 19:40:08.21 0:01:39	2005-08-19 22:22:17.13 0:03:09.26
2005-01-09 08:21:11.72 0:10:09.73	2005-06-09 17:28:48.23 0:02:17.11	2005-08-19 23:42:46.99 0:05:20.58
2005-01-09 08:30:51.64 0:03:37.99	2005-06-09 19:08:49.46 0:01:39	2005-08-21 12:33:37.49 0:08:16.66
2005-01-09 08:36:42.83 0:08:29.77	2005-06-09 20:48:30.83 0:01:39	2005-08-22 22:06:00.43 0:07:44.19
2005-01-09 10:01:56.40 0:08:23.66	2005-06-10 18:37:37.19 0:01:39	2005-08-28 09:01:39.05 0:10:16.73
2005-01-10 07:49:22.87 0:05:54.34	2005-06-11 19:45:53.17 0:01:39	2005-09-02 06:33:35.14 0:04:54.85
2005-01-10 08:01:19.54 0:09:13.20	2005-06-12 20:58:23.36 0:05:25.39	2005-09-04 08:40:22.69 0:11:27.52
2005-01-10 09:30:04.47 0:05:10.86	2005-06-13 07:01:34.65 0:09:02.68	2005-09-12 09:27:30.61 0:12:35.89
2005-01-10 09:37:31.57 0:01:46.89	2005-06-13 18:43:09.31 0:01:39	2005-09-12 11:04:24.03 0:05:46.85
2005-01-10 11:11:21.96 0:03:36.71	2005-06-13 20:22:42 0:01:39	2005-09-15 07:56:04.43 0:06:12.59
2005-01-10 13:00:48.52 0:01:44.29	2005-06-14 10:06:32.95 0:04:07.73	2005-09-15 12:49:48.65 0:06:00.45
2005-01-10 13:05:41.54 0:03:22.50	2005-06-14 16:31:20.16 0:03:09.08	2005-09-16 20:40:16.93 0:02:13.59
2005-01-10 18:31:39.02 0:01:44.25	2005-06-14 16:41:38.94 0:08:24.67	2005-09-18 09:37:24.52 0:06:13.03
2005-01-11 07:28:05.61 0:03:00.33	2005-06-14 18:11:52.77 0:01:39	2005-09-22 07:33:22.97 0:03:15.85
2005-01-11 07:32:34.43 0:09:41.76	2005-06-14 18:16:50.05 0:07:52.15	2005-09-22 21:05:18.98 0:04:50.41
2005-01-11 08:58:35.89 0:10:10.83	2005-06-14 19:51:34.38 0:01:39	2005-09-22 21:25:30.84 0:05:48.17
2005-01-11 10:39:00.67 0:06:58.57	2005-06-14 20:01:13.19 0:03:24.74	2005-09-22 22:54:36.24 0:16:23.40
2005-01-11 12:34:58.14 0:06:40.09	2005-06-15 09:24:45.09 0:12:39.42	2005-09-23 00:38:51.95 0:07:32.80
2005-01-12 08:27:23.16 0:05:53.85	2005-06-15 17:40:19.28 0:02:09.48	2005-09-23 02:11:15.88 0:03:17.97
2005-01-12 08:33:56.14 0:03:17.88	2005-06-15 19:20:16.52 0:01:39	2005-09-23 02:17:00.38 0:12:20.01
2005-01-12 08:37:09.07 0:03:37.99	2005-06-16 08:55:57.01 0:10:09.87	2005-09-23 17:10:18.95 0:11:56.51
2005-01-12 08:43:35.02 0:07:19.46	2005-06-16 18:48:57.74 0:01:39	2005-09-23 18:47:13.06 0:11:13.27
2005-01-12 10:07:30.17 0:08:26.74	2005-06-16 20:28:23.98 0:01:39	2005-09-23 20:34:24.02 0:06:11.71
2005-01-17 10:57:42.20 0:06:13.69	2005-06-17 15:17:08.81 0:08:32.24	2005-09-23 22:26:11.78 0:12:32.24
2005-01-17 11:25:53.58 0:03:30.20	2005-06-17 18:17:41.50 0:01:39.37	2005-09-25 16:04:55.87 0:03:53.07
2005-01-21 19:23:44.69 0:03:16.69	2005-06-18 11:12:01.02 0:06:02.87	2005-09-28 09:36:25.98 0:08:28.10
2005-01-21 20:36:43.06 0:01:45.39	2005-06-18 17:46:04.67 0:02:02.20	2005-09-30 18:57:12.61 0:06:07.97
2005-01-21 21:00:11.28 0:06:39.60	2005-06-18 19:25:58.20 0:01:39	2005-09-30 20:02:47.01 0:08:32.72
2005-01-21 22:27:06.56 0:11:04.69	2005-06-20 10:16:14.89 0:08:06.37	2005-09-30 20:38:31.12 0:05:39.25
2005-01-23 17:43:27.11 0:04:46.71	2005-06-20 18:23:21.49 0:01:39	2005-09-30 22:05:47.29 0:14:16.38
2005-01-23 18:18:53.23 0:04:05.71	2005-06-20 20:02:59.29 0:01:39	2005-10-03 18:31:05.48 0:02:35.42
2005-01-28 12:16:57.14 0:04:44.55	2005-06-21 19:31:39.81 0:01:39	2005-10-05 04:35:17.51 0:05:36.33
2005-01-28 20:42:01.05 0:04:59.07	2005-06-22 17:20:13.08 0:02:24.44	2005-10-05 09:16:28.84 0:07:19.87
2005-01-29 04:29:41.03 0:02:55.75	2005-06-23 18:29:07.50 0:01:39	2005-10-05 12:30:25.76 0:01:44.87
2005-01-29 20:14:11.03 0:01:50.98	2005-06-24 06:14:48.37 0:06:55.62	2005-10-05 12:39:25.87 0:03:01.60
2005-01-30 02:26:32.43 0:02:47.04	2005-06-24 17:57:35.26 0:01:55.75	2005-10-05 12:45:35.58 0:08:14.68
2005-01-31 20:45:15.87 0:07:20.08	2005-06-24 19:37:21.28 0:01:39	2005-10-05 14:09:32.69 0:02:58.91
2005-01-31 22:19:28.99 0:10:43.52	2005-06-25 17:25:58.31 0:02:18.81	2005-10-05 15:53:45.15 0:01:42.54
2005-01-31 23:54:06.02 0:09:03.44	2005-06-25 19:05:58.66 0:01:39	2005-10-05 17:25:43.81 0:09:43.60
2005-02-01 00:08:41.21 0:04:06.63	2005-06-25 20:45:36.80 0:01:39	2005-10-05 17:38:52.28 0:03:41.42
2005-02-01 01:17:26.14 0:02:03.13	2005-06-26 18:34:38 0:01:39	2005-10-05 18:02:12.80 0:04:56.26
2005-02-01 01:30:01.97 0:04:09.71	2005-06-27 19:43:00.13 0:01:39	2005-10-05 19:08:23.88 0:06:24.95
2005-02-01 02:54:25.69 0:18:55.73	2005-06-28 14:10:31.58 0:06:17.28	2005-10-05 19:42:30.06 0:05:18.34
2005-02-01 04:35:01.65 0:12:44.07	2005-06-28 17:31:43.44 0:02:12.02	2005-10-05 20:51:01.03 0:10:39.92
2005-02-01 04:35:01.65 0:16:19.35	2005-06-28 19:11:45.57 0:01:39	2005-10-05 22:47:28.30 0:09:15.88
2005-02-01 06:35:26.47 0:05:12.31	2005-06-28 20:51:18.44 0:01:39	2005-10-06 00:33:12.46 0:05:30.18
2005-02-01 19:41:26.04 0:07:10.01	2005-06-29 18:40:29.61 0:01:39	2005-10-06 00:42:12.57 0:04:17.58

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2009-06-24 17:40:05.28 0:02:00.04	2009-11-25 17:09:01.46 0:06:55.39	2009-12-07 15:51:49.59 0:08:23.97
2009-06-25 12:06:40.40 0:05:52.72	2009-11-25 18:49:03.10 0:05:54.34	2009-12-09 16:29:08.17 0:07:01.65
2009-06-25 18:48:58.70 0:01:39	2009-11-26 08:14:03.86 0:03:28.92	2009-12-13 17:44:01.09 0:06:15.80
2009-06-29 18:23:11.98 0:03:40.94	2009-11-26 08:32:59.08 0:03:03.93	2009-12-14 15:32:08.88 0:06:03.86
2009-07-02 18:28:27.24 0:01:39	2009-11-26 09:54:18.66 0:03:52.68	2009-12-20 15:43:27.45 0:08:16.27
2009-07-05 16:54:05.51 0:02:57.84	2009-11-26 14:57:29.30 0:08:22.65	2009-12-27 13:42:54.97 0:05:30.18
2009-07-10 07:36:08.66 0:09:27.23	2009-11-26 16:37:07.06 0:06:51.39	

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2010-01-07 17:58:10.52 0:06:18.22	2010-07-22 13:37:07.90 0:05:06.02	2010-11-13 12:06:29.51 0:05:33.87
2010-01-10 18:03:53.03 0:06:17.13	2010-07-24 14:12:14.12 0:09:38.50	2010-11-14 04:48:31.28 0:20:48
2010-01-11 15:51:48.45 0:07:33.68	2010-07-28 13:47:40.53 0:07:08.16	2010-11-14 06:28:49.29 0:19:21.51
2010-01-20 17:48:44.19 0:07:24.27	2010-08-06 14:03:58.34 0:09:06.91	2010-11-14 11:29:25.70 0:19:46.50
2010-01-22 16:45:21.23 0:07:36.37	2010-08-08 14:40:06.64 0:11:24.53	2010-11-14 23:28:59.10 0:18:39.50
2010-01-25 16:51:03.36 0:07:47.09	2010-08-08 16:13:43.88 0:03:30.17	2010-11-15 00:59:59.14 0:15:44.12
2010-02-11 17:55:25.92 0:08:28.89	2010-08-08 16:28:58.78 0:01:59.30	2010-11-15 02:33:42.15 0:03:01.95
2010-02-12 19:04:08.75 0:07:33.23	2010-08-08 17:57:52.68 0:08:53.01	2010-11-15 02:36:59.79 0:20:16.81
2010-02-26 13:20:45.14 0:02:32.52	2010-08-08 17:57:52.68 0:12:26.22	2010-11-15 05:52:07.68 0:23:30.22
2010-03-01 20:08:11.36 0:06:04.32	2010-08-08 19:38:00.22 0:08:53	2010-11-15 12:56:06.23 0:06:46.34
2010-03-14 16:38:32.09 0:11:30.56	2010-08-08 19:38:00.22 0:09:17.68	2010-11-15 22:52:22.24 0:10:50.84
2010-03-16 08:51:03.23 0:09:02.91	2010-08-09 12:20:55.06 0:09:28.21	2010-11-16 00:30:58.59 0:14:31.61
2010-03-29 13:50:23.83 0:07:30.29	2010-08-09 14:09:28.53 0:09:30.45	2010-11-16 01:55:54.96 0:03:59.10
2010-03-31 16:05:09.19 0:08:58.82	2010-08-09 15:48:00.54 0:12:13.50	2010-11-16 03:36:19.20 0:19:34.62
2010-03-31 17:43:39.64 0:08:53.45	2010-08-09 17:26:36.11 0:12:28.29	2010-11-16 05:15:19.98 0:02:01.37
2010-04-01 00:34:37.06 0:03:23.95	2010-08-09 19:06:25.83 0:10:47.62	2010-11-16 06:55:36.30 0:20:10.87
2010-04-01 00:45:39.78 0:03:08.95	2010-08-09 20:48:05.77 0:02:47.12	2010-11-16 11:56:19.73 0:29:53.52
2010-04-01 08:46:00.88 0:11:13.05	2010-08-10 13:29:54 0:07:27.88	2010-11-16 23:54:59.12 0:12:43.90
2010-04-01 12:12:20.54 0:04:09.97	2010-08-10 13:39:44.53 0:05:42.28	2010-11-17 01:21:00.20 0:17:02.88
2010-04-01 15:33:46.29 0:08:53.05	2010-08-10 15:10:29.94 0:04:46.60	2010-11-17 02:59:30.30 0:18:43.82
2010-04-01 18:52:05.64 0:08:53	2010-08-10 15:16:45.61 0:12:16.89	2010-11-17 04:38:51.04 0:19:33.69
2010-04-01 18:52:05.64 0:11:19.16	2010-08-10 16:51:05.94 0:02:02.35	2010-11-17 06:19:24.88 0:18:44.99
2010-04-02 13:18:20.86 0:04:23.39	2010-08-10 16:55:28.80 0:11:58.76	2010-11-17 09:40:26.28 0:29:54.18
2010-04-02 15:02:37.24 0:08:55.55	2010-08-10 18:34:56.95 0:11:50.05	2010-11-17 11:24:40.99 0:25:00.64
2010-04-03 14:31:42.79 0:09:14.38	2010-08-10 20:15:35.46 0:06:41.32	2010-11-17 23:19:59.60 0:13:48.09
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2010-04-05 18:26:21.28 0:12:02.11	2010-08-20 18:20:40.55 0:12:09.46	2010-11-18 05:42:20.68 0:21:00.19
2010-04-05 18:38:17.77 0:03:09.96	2010-08-20 20:01:05.54 0:07:51.15	2010-11-18 07:24:40.40 0:22:15.86
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2010-04-08 16:52:38.02 0:11:55.37	2010-10-07 14:54:16.57 0:11:45.31	2010-11-19 01:53:59.14 0:03:03.97
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2010-04-17 13:53:01.34 0:07:53.83	2010-10-15 22:51:51.95 0:03:19.95	2010-11-19 05:05:41.93 0:18:50.14
2010-04-30 16:56:47.51 0:01:39	2010-10-19 16:58:32.63 0:08:50.15	2010-11-19 06:45:53.88 0:22:47.90
2010-05-03 13:41:20.86 0:06:56.13	2010-10-28 06:49:53.41 0:02:03.88	2010-11-19 10:08:40.95 0:12:21.64
2010-05-03 13:50:19.90 0:07:31.61	2010-10-28 06:51:42 0:08:37.25	2010-11-19 11:46:34.23 0:14:14.10
2010-05-12 17:19:47.97 0:02:23.25	2010-10-28 08:30:52.31 0:05:26.26	2010-11-19 23:45:59.53 0:13:26.66
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2010-05-13 18:28:46.97 0:03:17.81	2010-10-28 11:50:38.89 0:02:39.51	2010-11-22 03:15:40.51 0:21:19.42
2010-05-13 20:08:13.51 0:01:39	2010-10-28 11:52:42.08 0:07:36.36	2010-11-22 04:55:53.16 0:23:56.40
2010-05-14 17:57:09.94 0:03:15.09	2010-10-29 07:55:40.76 0:03:37.41	2010-11-22 06:36:07.43 0:30:07.82
2010-05-14 19:36:55.56 0:01:39	2010-11-08 15:11:59.44 0:03:00.63	2010-11-22 11:37:03.45 0:26:07.95
2010-05-18 17:31:17.78 0:02:56.88	2010-11-08 16:52:41.48 0:10:03.89	2010-11-22 16:38:02.54 0:07:32.97
2010-05-18 19:11:19.52 0:01:39	2010-11-08 18:33:07.38 0:06:06.96	2010-11-22 21:57:19.99 0:10:44.19
2010-05-18 20:50:58.97 0:01:39	2010-11-08 22:16:13.09 0:06:00.62	2010-11-22 23:35:59.80 0:14:09.22
2010-05-19 16:59:40.71 0:02:41.45	2010-11-08 23:48:18.31 0:12:21.07	2010-11-23 16:01:14.11 0:06:12.46
2010-05-19 18:40:16.71 0:03:23.96	2010-11-09 02:53:31.15 0:19:36.60	2010-11-23 22:59:53.74 0:09:50.25
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2010-05-20 14:54:22.72 0:05:46.72	2010-11-09 06:11:23.92 0:26:17.55	2010-11-24 02:04:58.38 0:03:03.93
2010-05-21 17:37:02.58 0:03:06.06	2010-11-09 07:56:40.95 0:17:47.26	2010-11-24 02:10:59.33 0:03:01.96
2010-05-22 13:53:01.05 0:06:52.72	2010-11-09 17:54:48.96 0:03:09.92	2010-11-24 03:42:33.75 0:19:10.10
2010-05-22 13:53:01.71 0:07:53.12	2010-11-09 19:33:57.12 0:07:23.08	2010-11-24 05:22:48.17 0:23:51.38
2010-05-31 17:22:40.18 0:02:23.29	2010-11-09 21:40:26.81 0:05:22.66	2010-11-24 07:03:17.89 0:21:15.37
2010-06-06 17:34:10.21 0:02:35.74	2010-11-09 23:01:50.20 0:08:21.24	2010-11-24 12:04:08.26 0:27:17.78
2010-06-13 17:14:03.02 0:02:45.90	2010-11-12 06:01:46.50 0:27:48.58	2010-11-24 15:24:40.97 0:03:15.99
2010-06-18 17:57:09.70 0:01:55.27	2010-11-12 07:43:40.44 0:23:34.05	2010-11-24 22:23:55.91 0:10:37.41
2010-06-18 23:29:35.37 0:03:01.99	2010-11-13 00:40:59.05 0:04:03.95	2010-11-24 23:59:49.14 0:14:11.19
2010-06-19 20:51:16.79 0:02:02.12	2010-11-13 02:25:02.71 0:04:49.13	2010-11-27 13:36:06.60 0:03:59.59
2010-07-18 14:01:14.74 0:08:48.82	2010-11-13 02:25:05.82 0:03:01.95	2010-11-28 14:38:41.41 0:08:26.69
2010-07-19 16:42:27.11 0:03:00.16	2010-11-13 03:45:21.09 0:18:32.40	2010-11-28 17:59:09.68 0:06:01.07
2010-07-20 14:37:17.98 0:11:17.10	2010-11-13 05:25:16.29 0:19:01.61	2010-11-29 15:41:46.58 0:08:46.14
2010-07-21 14:06:43.87 0:09:20.33	2010-11-13 07:05:28.32 0:17:20.99	

(At the time of the analysis the repository of BC did not yet contain the data of December 2010.)

6 EXERCISE TO ORDER MISSING PRODUCTS

In order to find a way to complete the dataset or to verify that products are missing because they are corrupted we have tested ordering a few products. 5 scenes have been ordered using the ordering function of EOLI.

Ordering must be done interactively, selecting input and a floating subscene on the basis of a L0 product. This requires accurate adjustments and is laborious. The number of products that can be ordered is very much restricted (about 10) and the processing to L1B takes one or two days usually.

In our test two scenes have been delivered while for the remaining three we got failure reports. It has been reported that the L0 is corrupt.

Betreff: OHS Order Report: MECT_19_2
Datum: Fri, 9 Mar 2012 15:58:20 +0100
Von: <Eohelp@esa.int>
An: <carsten.brockmann@brockmann-consult.de>

Dear user,
We regret to inform you that the requested segments that you will find in the attached xls, due to bad quality data failed in processing at all pacs: Original data were corrupted failed in processing at all pacs. Should you need further info please do not hesitate to contact us.
Kind Regards
Leonardo
EOHelp Desk

As a resumee

- There are products that are missing in the BC inventory that could be added.
- There are products that are missing in the BC inventory that cannot be produced.
- We do not know which fraction of the missing products is of one or the other type.
- Ordering the missing products via EOLI is prohibitive.