

0. SCIAMACHY Daily Report for level 0 products

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0.1 General Info

This report contains a daily analysis on parameters extracted from SCIAMACHY level 0 data (The SCI_NL__0P product).

0.1.1 Report summary

The table below shows general characteristics of the data that are included into this report.

Item	Value
Report version	v1.3 20060731
Time of report generation	25OCT2007 06:54:47
Data source version	KSPT_L0/4302-N
Processing scope for products	21OCT2007 00:00:00 to 22OCT2007 00:00:00
Start time of first product within scope	20OCT2007 23:11:32
Stop time of last product within scope	22OCT2007 00:14:38
Total number of level 0 products	16
Number of level 0 products with errors	0

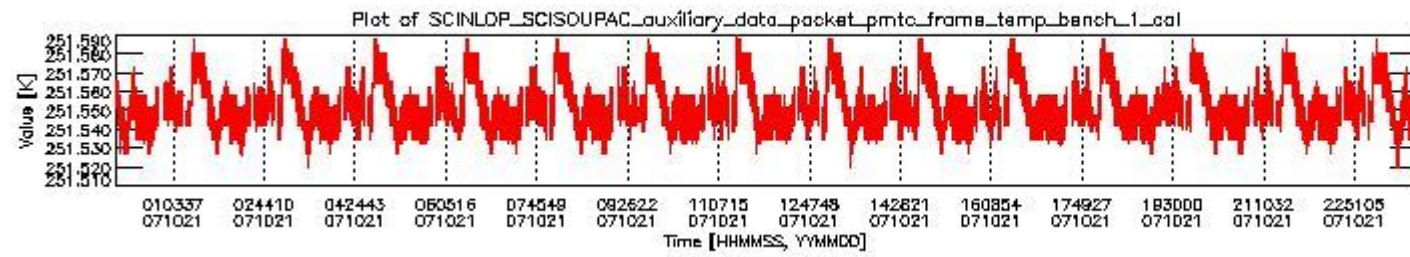
0.1.2 Summary per product

The following table shows a summary for each product used in this report.

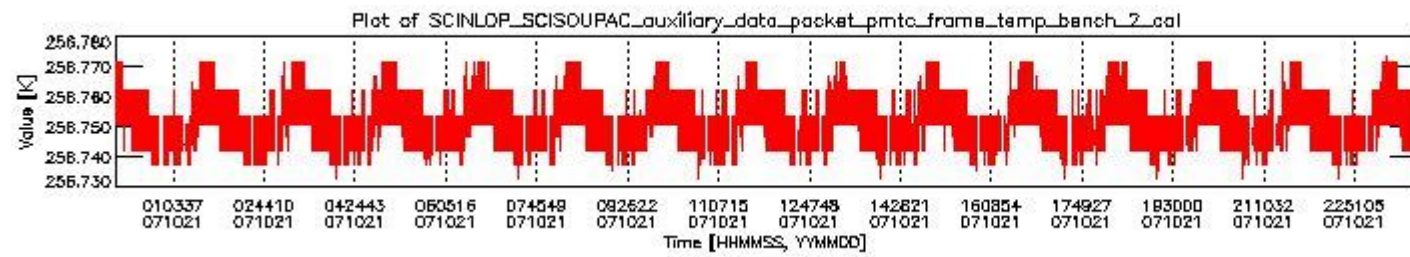
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20071020_231132_000056762062_00373_29485_5413.N1	20OCT2007 23:11:32	21OCT2007 00:46:08	0	0	0	0	0
1	SCI_NL__OPNPDE20071021_005208_000043132062_00374_29486_5414.N1	21OCT2007 00:52:08	21OCT2007 02:04:01	0	0	0	0	0
2	SCI_NL__OPNPDE20071021_020305_000060242062_00375_29487_5415.N1	21OCT2007 02:03:05	21OCT2007 03:43:29	0	0	0	0	0
3	SCI_NL__OPNPDE20071021_034329_000061052062_00376_29488_5416.N1	21OCT2007 03:43:29	21OCT2007 05:25:14	0	0	0	0	0
4	SCI_NL__OPNPDE20071021_052418_000060922062_00377_29489_5417.N1	21OCT2007 05:24:18	21OCT2007 07:05:50	0	0	0	0	0
5	SCI_NL__OPNPDK20071021_070441_000040582062_00378_29490_6403.N1	21OCT2007 07:04:41	21OCT2007 08:12:20	0	0	0	0	0
6	SCI_NL__OPNPDK20071021_081111_000061612062_00379_29491_6404.N1	21OCT2007 08:11:11	21OCT2007 09:53:52	0	0	0	0	0
7	SCI_NL__OPNPDK20071021_095243_000059802062_00380_29492_6405.N1	21OCT2007 09:52:43	21OCT2007 11:32:24	0	0	0	0	0
8	SCI_NL__OPNPDK20071021_113019_000060922062_00381_29493_6406.N1	21OCT2007 11:30:19	21OCT2007 13:11:52	0	0	0	0	0
9	SCI_NL__OPNPDK20071021_131056_000059252062_00382_29494_6407.N1	21OCT2007 13:10:56	21OCT2007 14:49:40	0	0	0	0	0
10	SCI_NL__OPNPDK20071021_144627_000060362062_00383_29495_6408.N1	21OCT2007 14:46:27	21OCT2007 16:27:03	0	0	0	0	0
11	SCI_NL__OPNPDK20071021_162703_000059802062_00384_29496_6409.N1	21OCT2007 16:27:03	21OCT2007 18:06:43	0	0	0	0	0
12	SCI_NL__OPNPDK20071021_180355_000057772062_00385_29497_6410.N1	21OCT2007 18:03:55	21OCT2007 19:40:13	0	0	0	0	0
13	SCI_NL__OPNPDE20071021_194432_000040852062_00386_29498_5418.N1	21OCT2007 19:44:32	21OCT2007 20:52:36	0	0	0	0	0
14	SCI_NL__OPNPDE20071021_205128_000065132062_00386_29498_5419.N1	21OCT2007 20:51:28	21OCT2007 22:40:01	0	0	0	0	0
15	SCI_NL__OPNPDE20071021_224001_000056762062_00387_29499_5420.N1	21OCT2007 22:40:01	22OCT2007 00:14:38	0	0	0	0	0

0.2 Product Quality Indicators

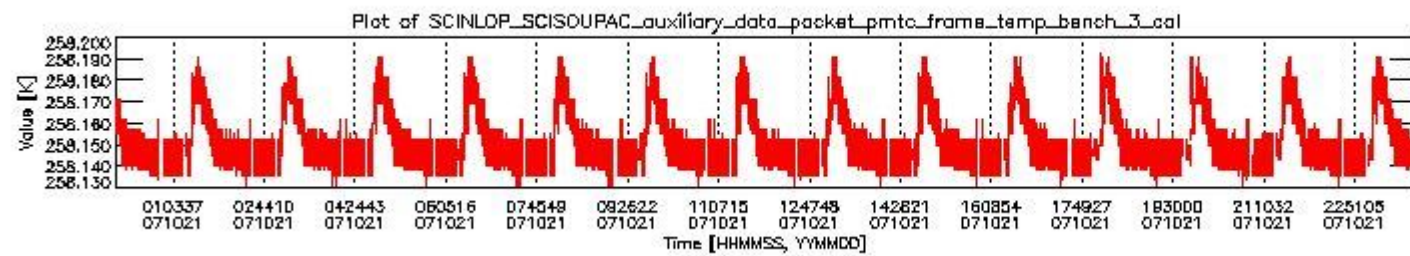
This section shows information about product quality, currently temperatures.



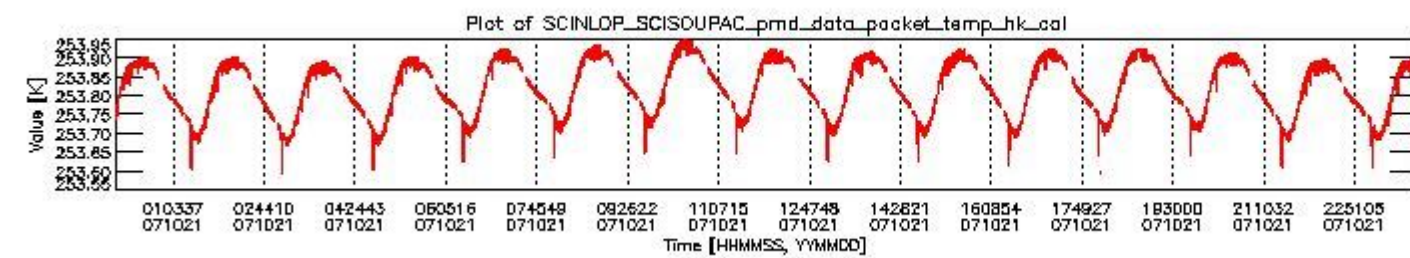
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071021_0.PNG



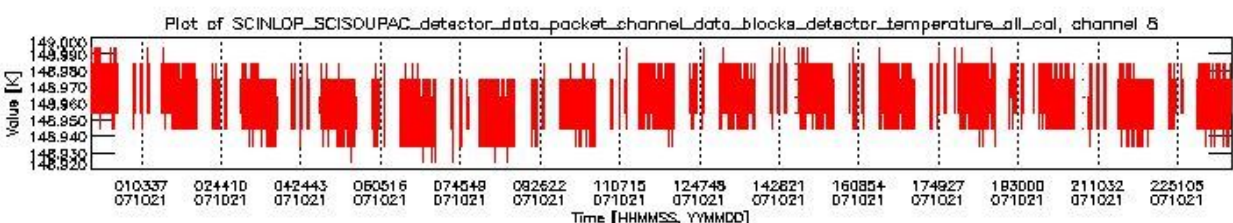
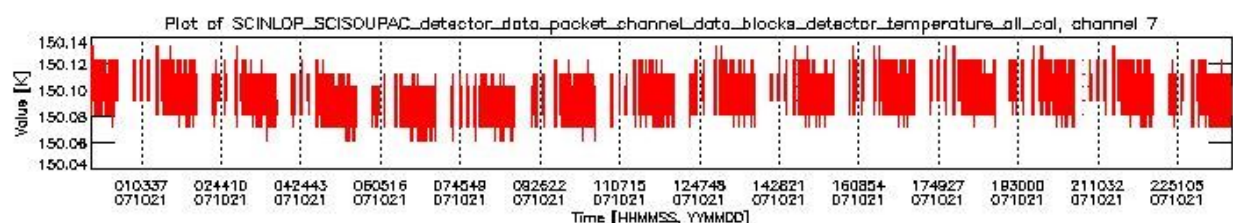
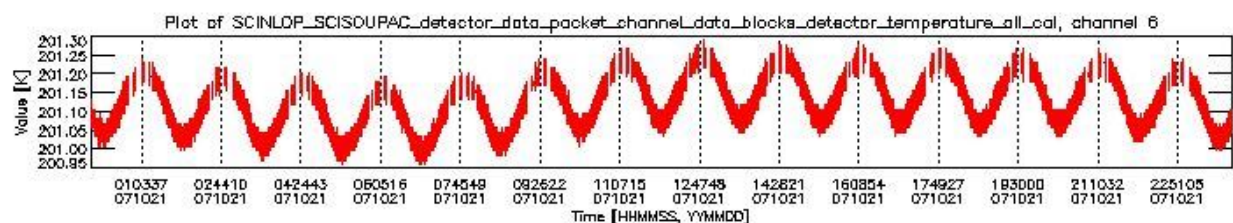
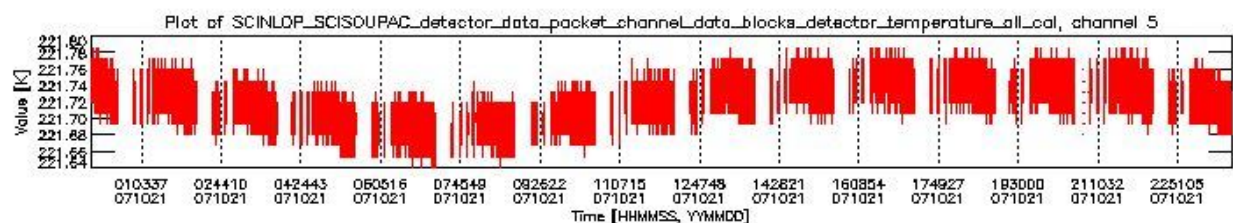
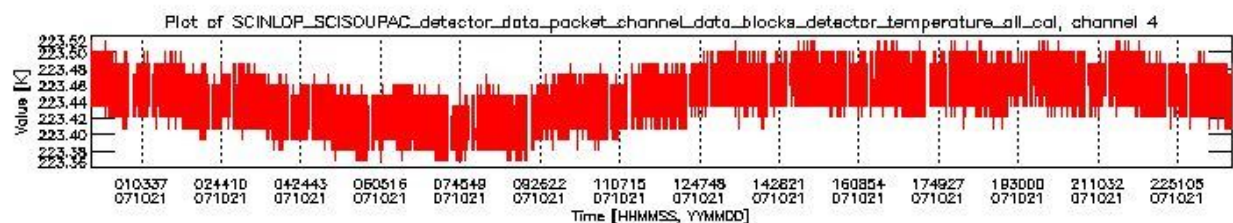
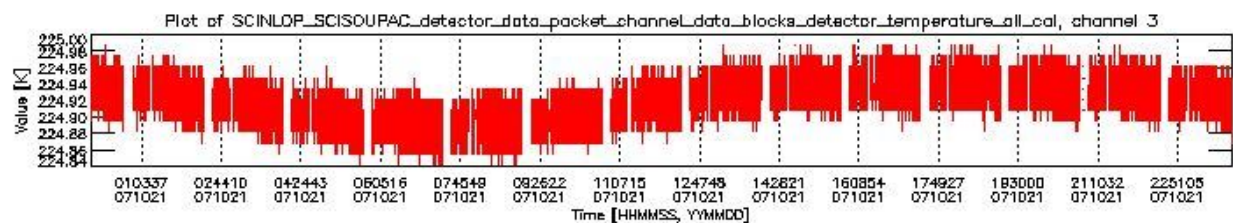
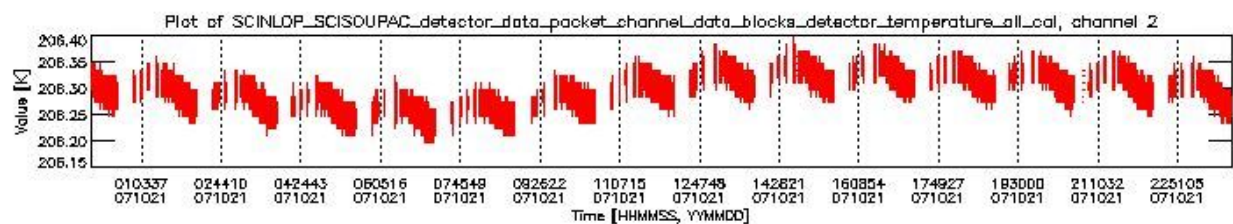
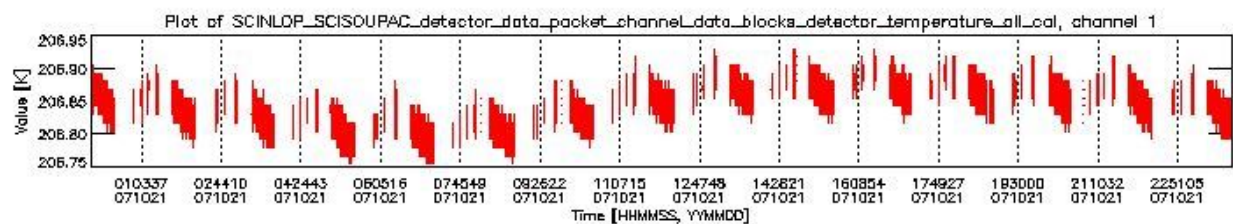
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sciamachy_daily_report_level0_KSPT_L0_4302_N_20071021_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071021_3.PNG

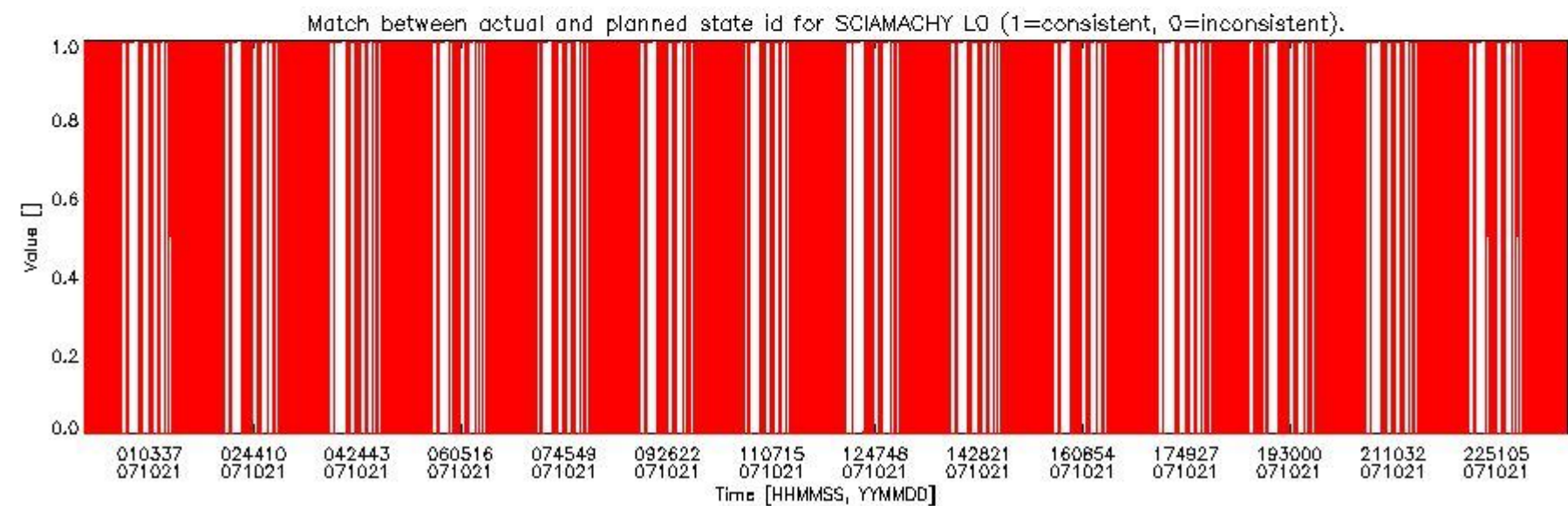
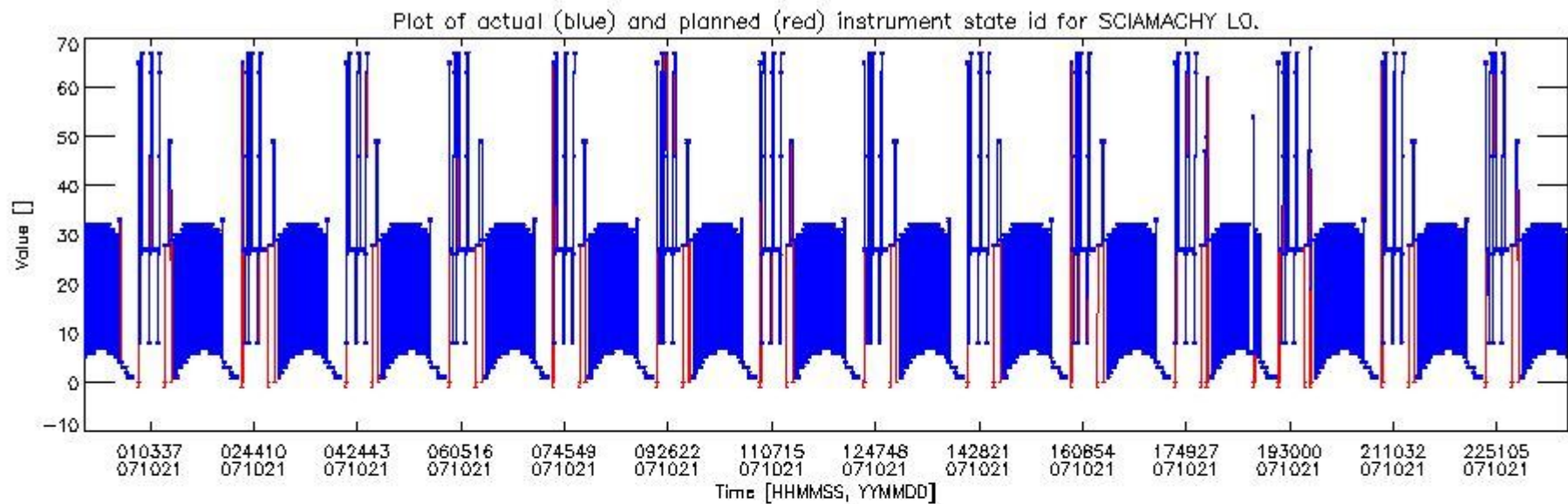


0.3 State monitoring

The following section shows a comparison of modelled instrument state (as calculated by the DMOP planning files and using CTI tables to derive state) and the measured state variables from the L0 product (the SCINL0P_SCISOUPAC_state_id variable).

Total number of faults: **31499**

#	Actual time	Actual value	Planned time	Planned value
0	21OCT2007 00:00:36.183710	32	21OCT2007 00:00:36.183710	5
1	21OCT2007 00:00:36.808732	32	21OCT2007 00:00:36.808732	5
2	21OCT2007 00:00:37.183705	32	21OCT2007 00:00:37.183705	5
3	21OCT2007 00:00:37.558718	32	21OCT2007 00:00:37.558718	5
4	21OCT2007 00:00:38.121217	32	21OCT2007 00:00:38.121217	5
5	21OCT2007 00:00:38.496231	32	21OCT2007 00:00:38.496231	5
6	21OCT2007 00:00:38.871203	32	21OCT2007 00:00:38.871203	5
7	21OCT2007 00:00:39.246216	32	21OCT2007 00:00:39.246216	5
8	21OCT2007 00:00:39.808716	32	21OCT2007 00:00:39.808716	5
9	21OCT2007 00:00:40.183729	32	21OCT2007 00:00:40.183729	5
10	21OCT2007 00:00:40.558702	32	21OCT2007 00:00:40.558702	5
11	21OCT2007 00:00:40.933715	32	21OCT2007 00:00:40.933715	5
12	21OCT2007 00:00:41.183724	32	21OCT2007 00:00:41.183724	5
13	21OCT2007 00:00:41.496214	32	21OCT2007 00:00:41.496214	5
14	21OCT2007 00:00:41.871227	32	21OCT2007 00:00:41.871227	5
15	21OCT2007 00:00:42.246200	32	21OCT2007 00:00:42.246200	5
16	21OCT2007 00:00:42.621213	32	21OCT2007 00:00:42.621213	5
17	21OCT2007 00:01:32.054822	6	21OCT2007 00:01:32.054822	32
18	21OCT2007 00:01:32.429794	6	21OCT2007 00:01:32.429794	32
19	21OCT2007 00:01:32.679803	6	21OCT2007 00:01:32.679803	32

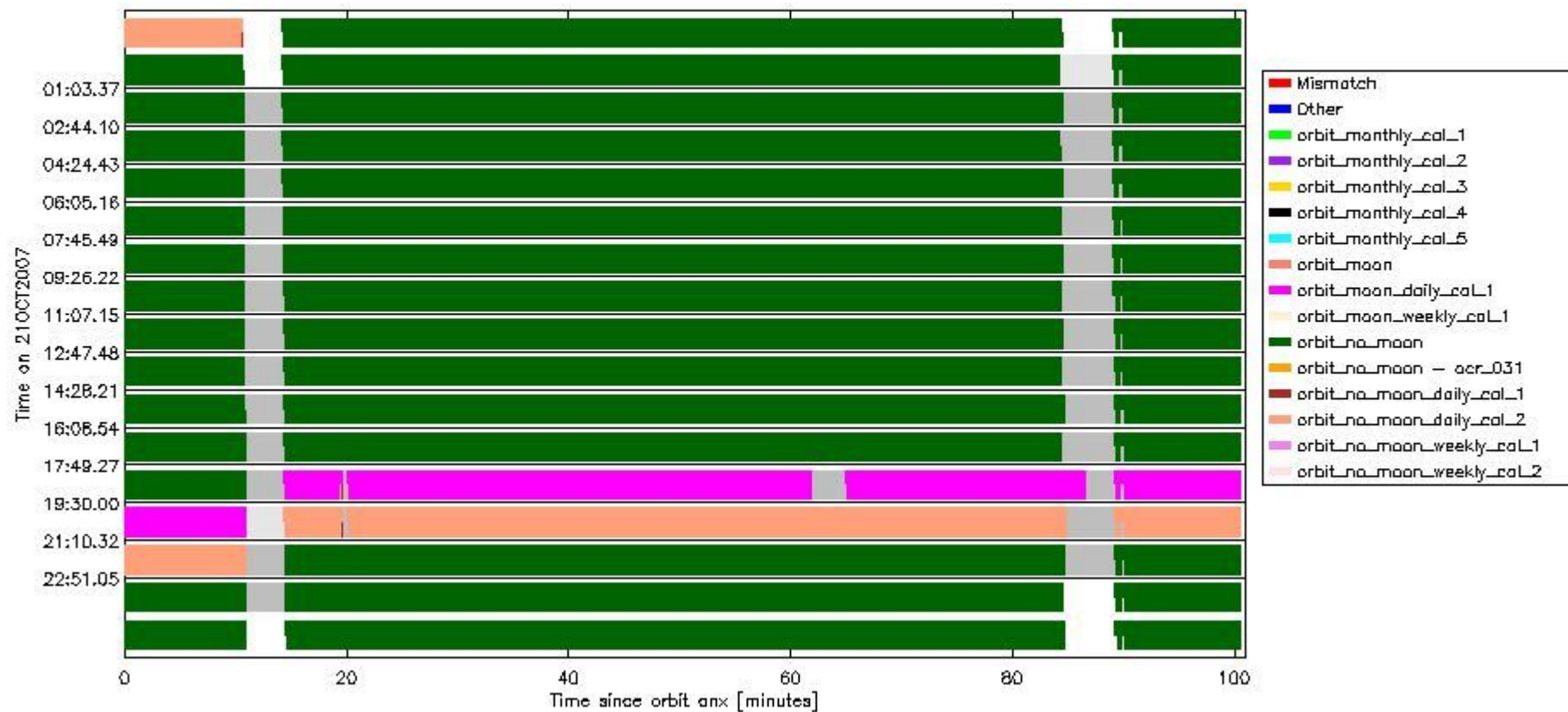


sciamachy_daily_report_level0_KSPT_L0_4302_N_20071021_5.PNG

This section gives an analysis of the DMOP execution. The execution is monitored by assigning various activities to timeline sequences found in the DMOP file, and by checking where "NEW" datasets are available in SCI_NL__1P products.

The following plot gives an overview of planned activities and actual state ids in the Level 0 products. The planning is taken from the DMOP files, and interpreted using information from OSDF files.

Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 21OCT2007.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071021_6.PNG

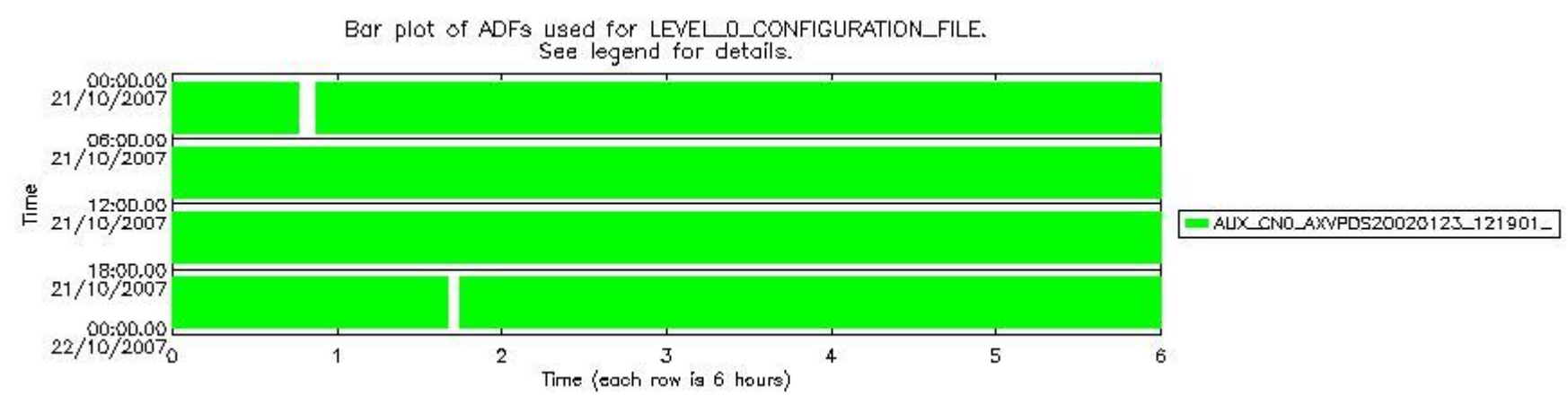
0.4 ADF monitoring

This section shows the (variation in) ADFs used for each of the products. It consists of:

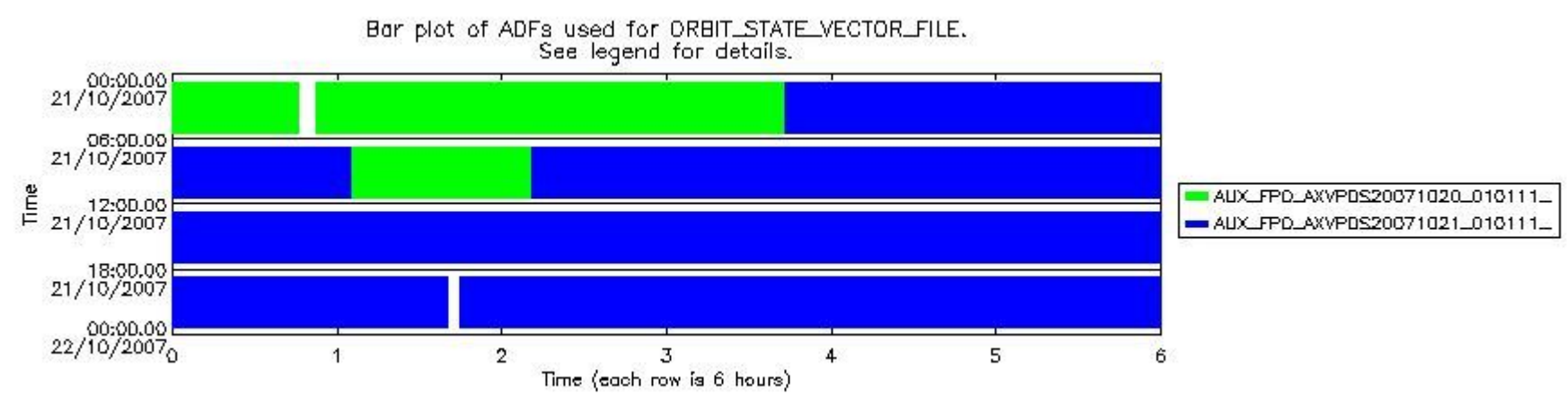
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

If multiple ADFs of a single type were used, these are marked **red** in the table.

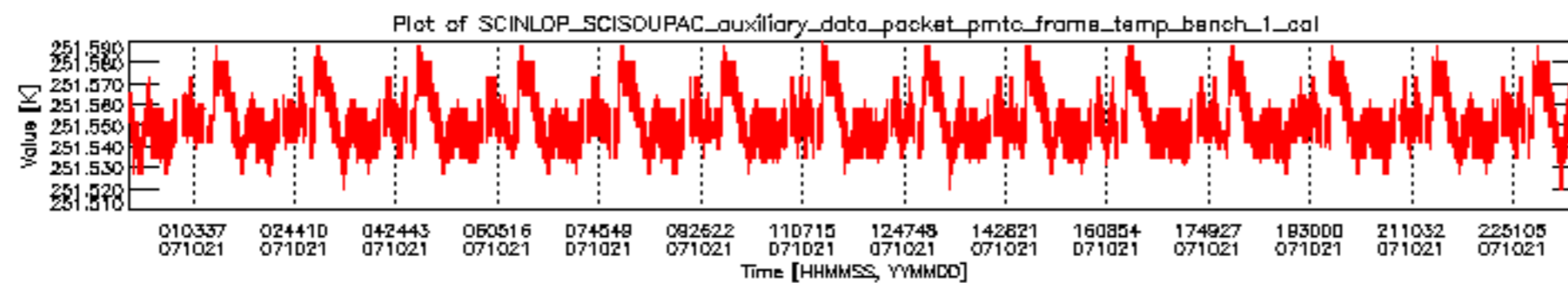
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20071020_010111_20071019_185243_20071029_201856
2	AUX_FPO_AXVPDS20071021_010111_20071020_182106_20071030_212755

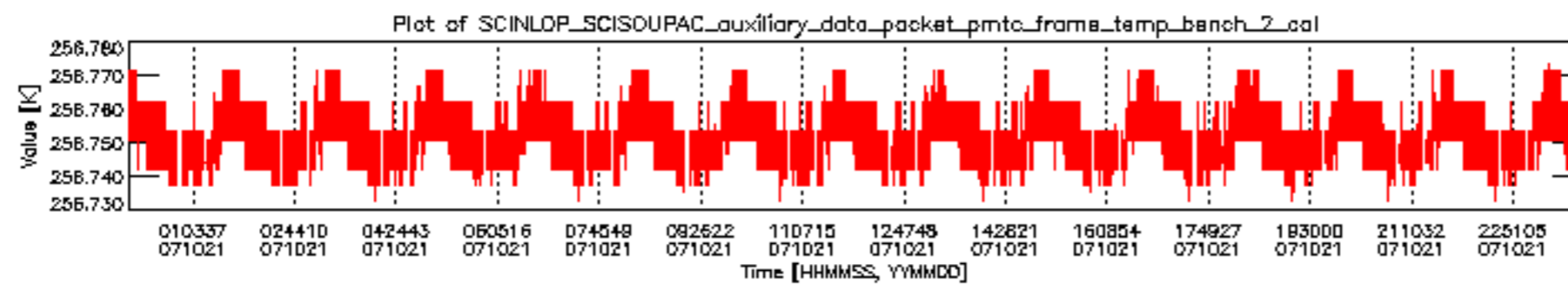


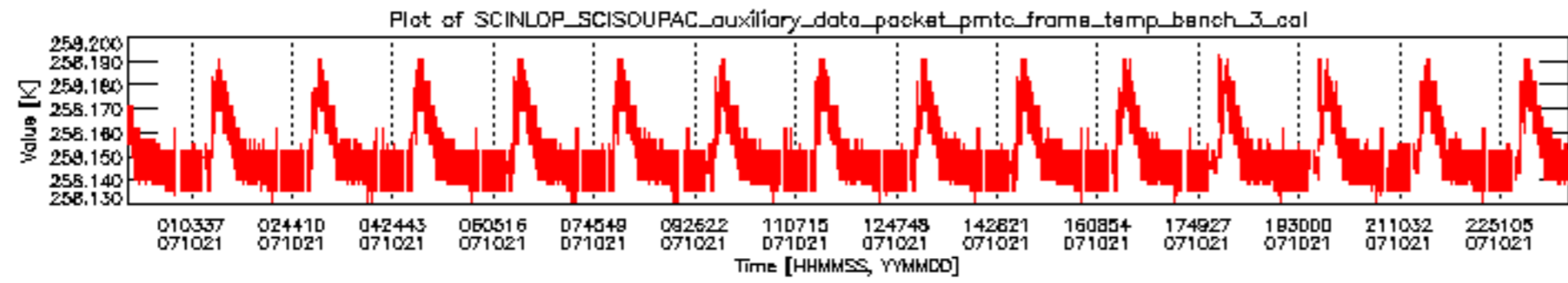
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071021_7.PNG

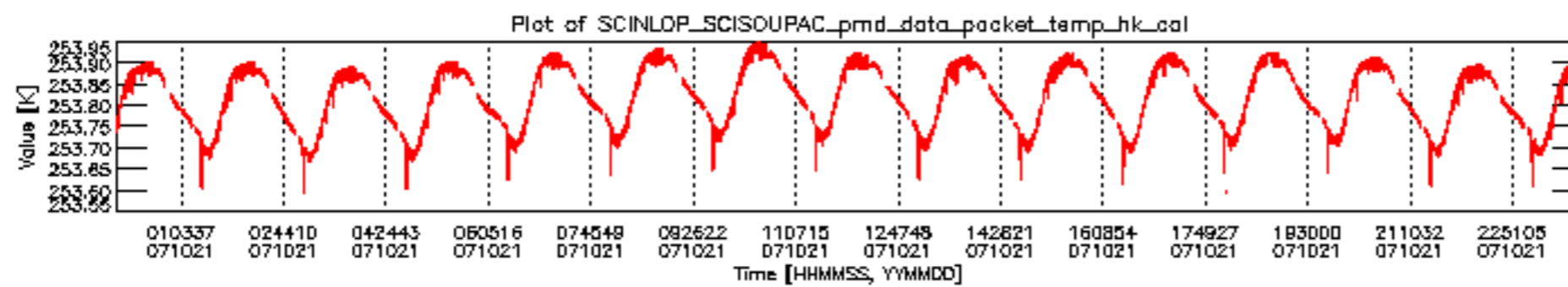


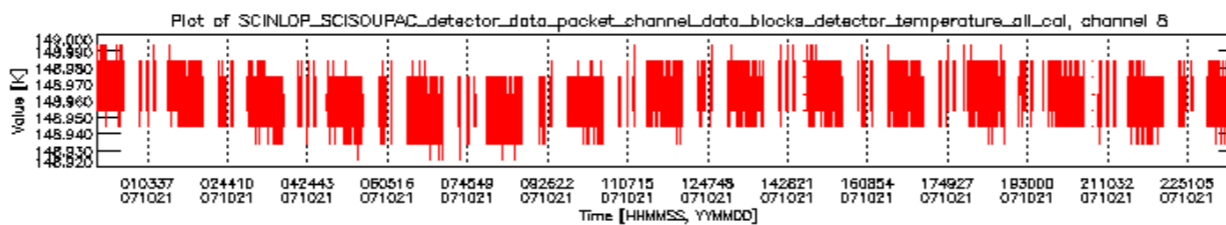
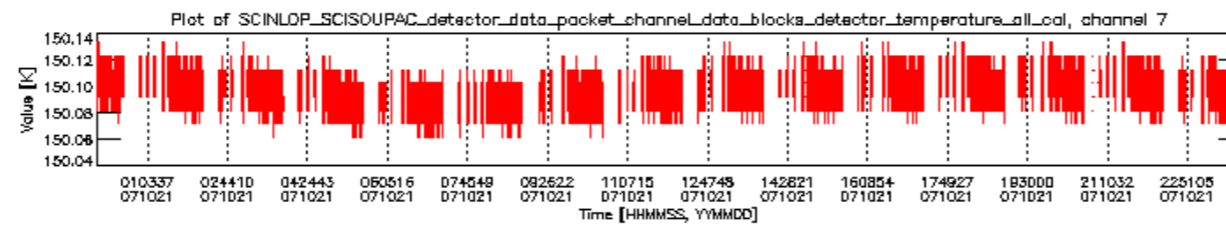
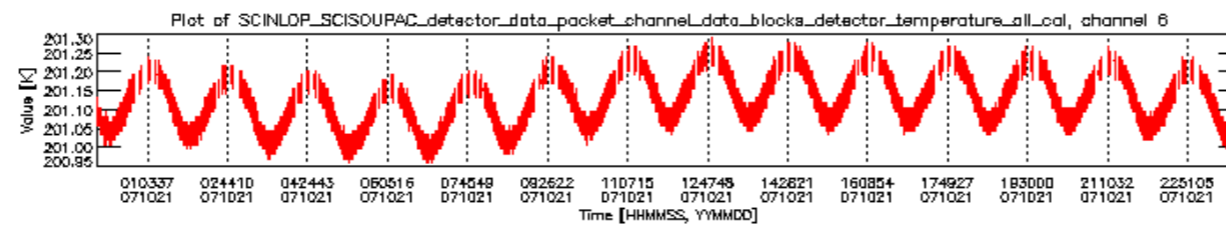
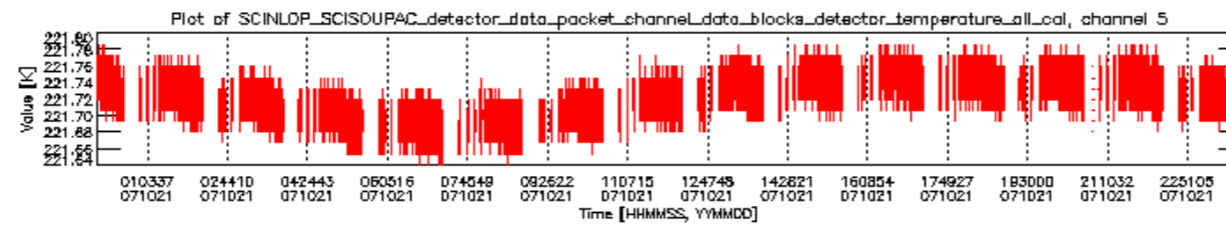
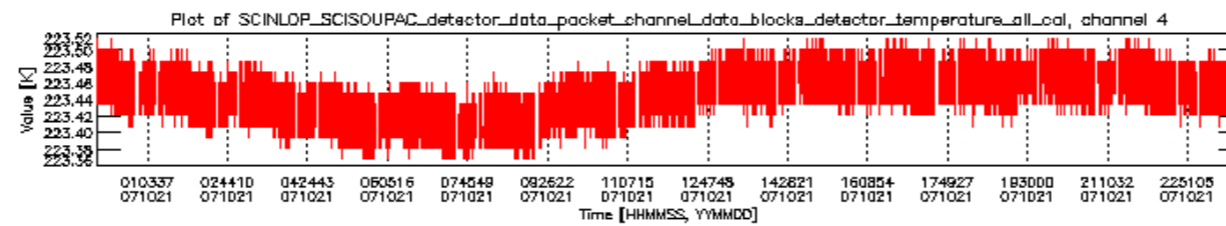
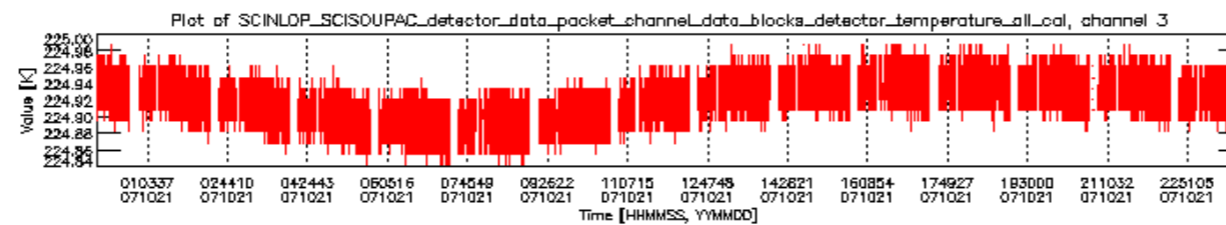
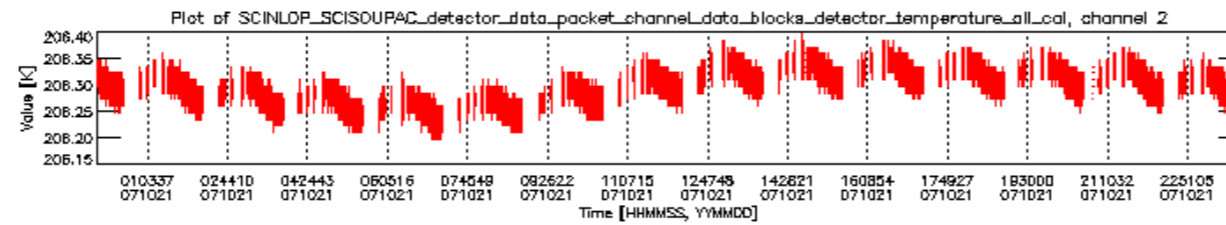
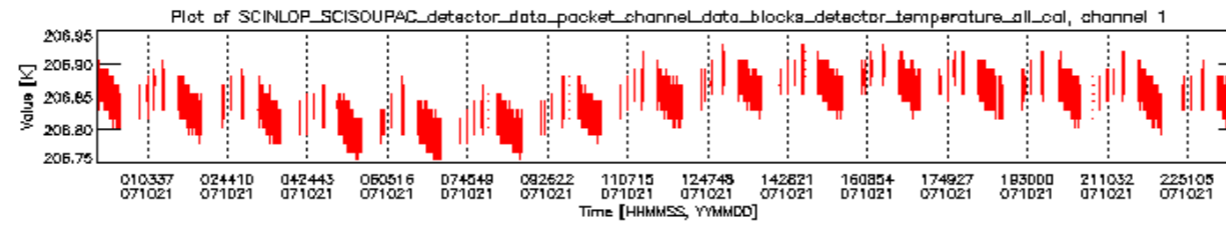
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071021_8.PNG

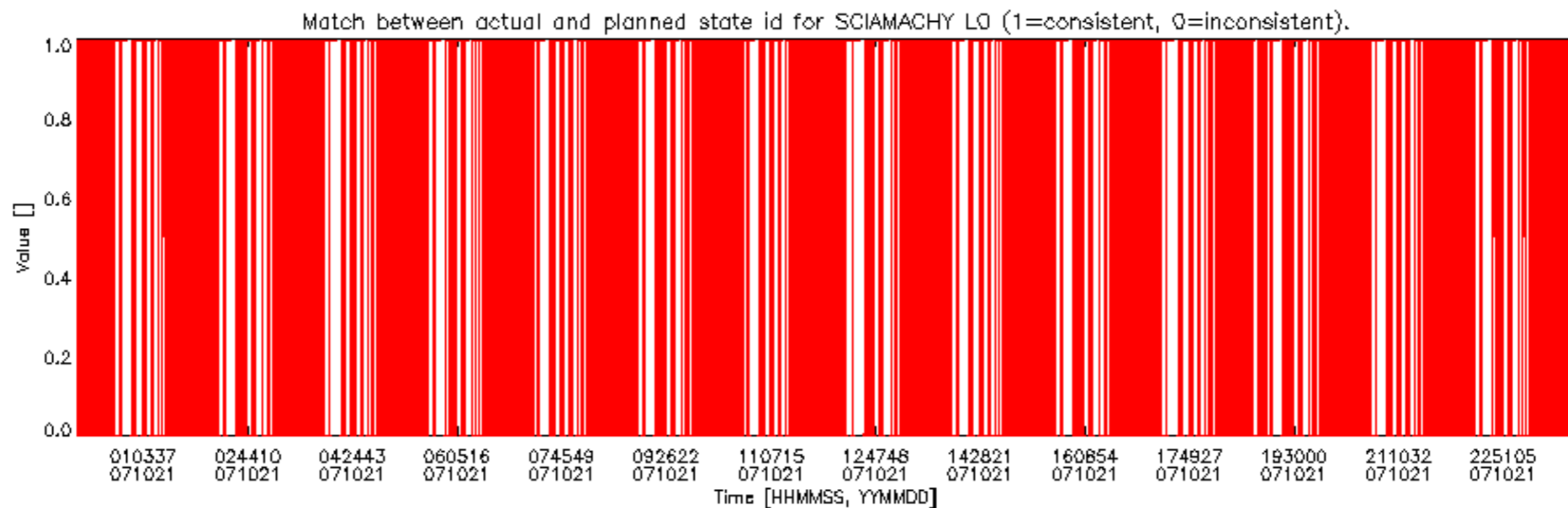
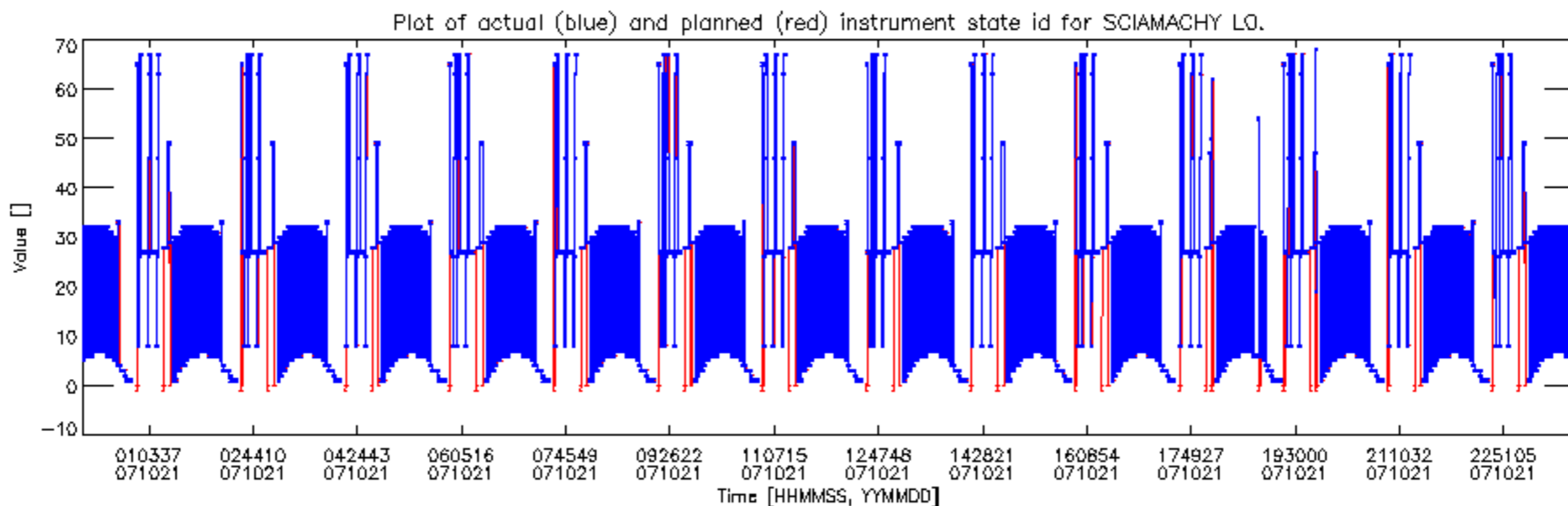












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 Each row indicates an orbit. A light gray colour indicates the time span of 21OCT2007.
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