

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	12MAY2008 05:09:01
Data source version	KSPT_L0/4303-N
Processing scope for products	08MAY2008 00:00:00 to 09MAY2008 00:00:00
Start time of first product within scope	07MAY2008 23:25:28
Stop time of last product within scope	09MAY2008 00:35:14
Total number of level 0 products	15
Number of level 0 products with errors	0

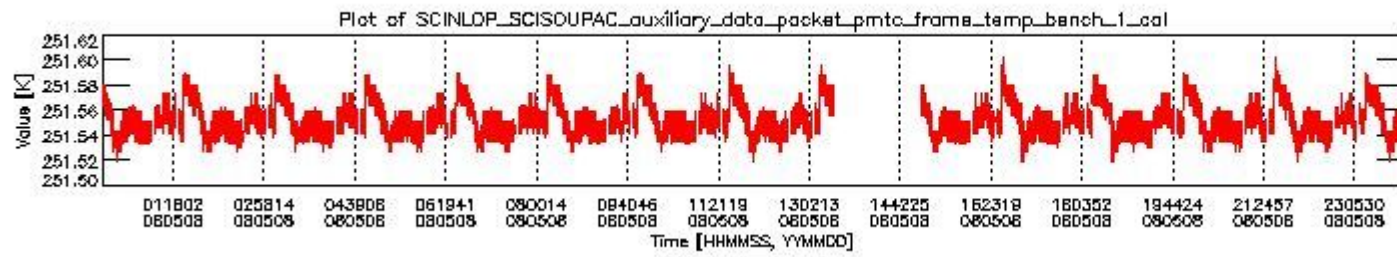
0.1.2 Summary per product

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

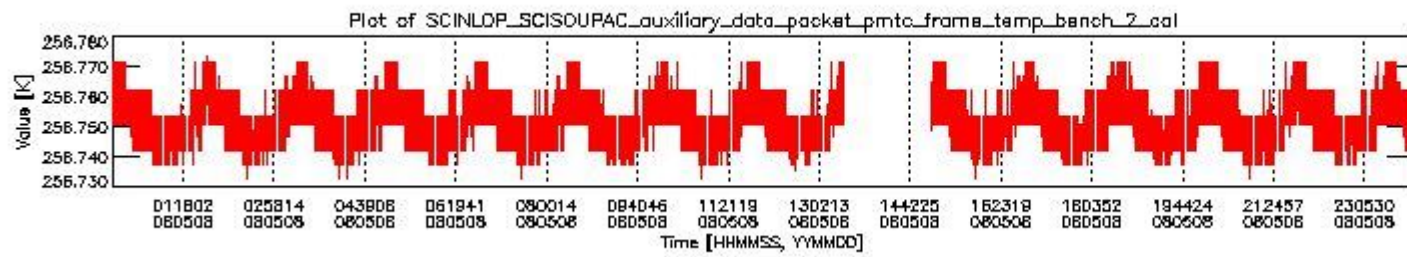
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080507_232528_000059992068_00230_32348_6636.N1	07MAY2008 23:25:28	08MAY2008 01:05:28	0	0	0	0	0
1	SCI_NL__OPNPDE20080508_010444_000046732068_00231_32349_6637.N1	08MAY2008 01:04:44	08MAY2008 02:22:37	0	0	0	0	0
2	SCI_NL__OPNPDE20080508_022128_000058432068_00232_32350_6638.N1	08MAY2008 02:21:28	08MAY2008 03:58:51	0	0	0	0	0
3	SCI_NL__OPNPDE20080508_035851_000060362068_00233_32351_6639.N1	08MAY2008 03:58:51	08MAY2008 05:39:27	0	0	0	0	0
4	SCI_NL__OPNPDE20080508_053927_000060922068_00234_32352_6640.N1	08MAY2008 05:39:27	08MAY2008 07:20:58	0	0	0	0	0
5	SCI_NL__OPNPDK20080508_072002_000040452068_00235_32353_8157.N1	08MAY2008 07:20:02	08MAY2008 08:27:27	0	0	0	0	0
6	SCI_NL__OPNPDK20080508_082727_000061602068_00236_32354_8158.N1	08MAY2008 08:27:27	08MAY2008 10:10:07	0	0	0	0	0
7	SCI_NL__OPNPDK20080508_100858_000059802068_00237_32355_8159.N1	08MAY2008 10:08:58	08MAY2008 11:48:38	0	0	0	0	0
8	SCI_NL__OPNPDK20080508_114838_000059672068_00238_32356_8160.N1	08MAY2008 11:48:38	08MAY2008 13:28:05	0	0	0	0	0
9	SCI_NL__OPNPDK20080508_150445_000058992068_00240_32358_8162.N1	08MAY2008 15:04:45	08MAY2008 16:43:03	0	0	0	0	0
10	SCI_NL__OPNPDK20080508_164207_000060242068_00241_32359_8163.N1	08MAY2008 16:42:07	08MAY2008 18:22:31	0	0	0	0	0
11	SCI_NL__OPNPDK20080508_182027_000061202068_00242_32360_8164.N1	08MAY2008 18:20:27	08MAY2008 20:02:26	0	0	0	0	0
12	SCI_NL__OPNPDE20080508_200022_000040292068_00243_32361_6641.N1	08MAY2008 20:00:22	08MAY2008 21:07:31	0	0	0	0	0
13	SCI_NL__OPNPDE20080508_210731_000063752068_00243_32361_6642.N1	08MAY2008 21:07:31	08MAY2008 22:53:46	0	0	0	0	0
14	SCI_NL__OPNPDE20080508_225259_000061352068_00244_32362_6643.N1	08MAY2008 22:52:59	09MAY2008 00:35:14	0	0	0	0	0

0.2 Product Quality Indicators

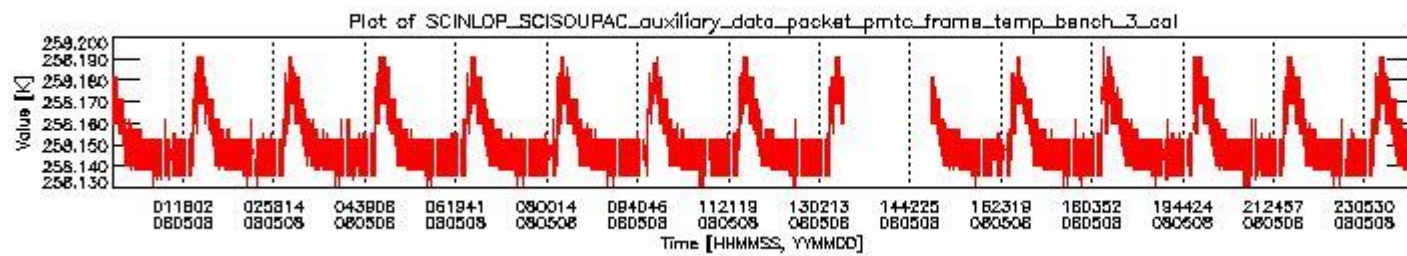
This section shows information about product quality, currently temperatures.



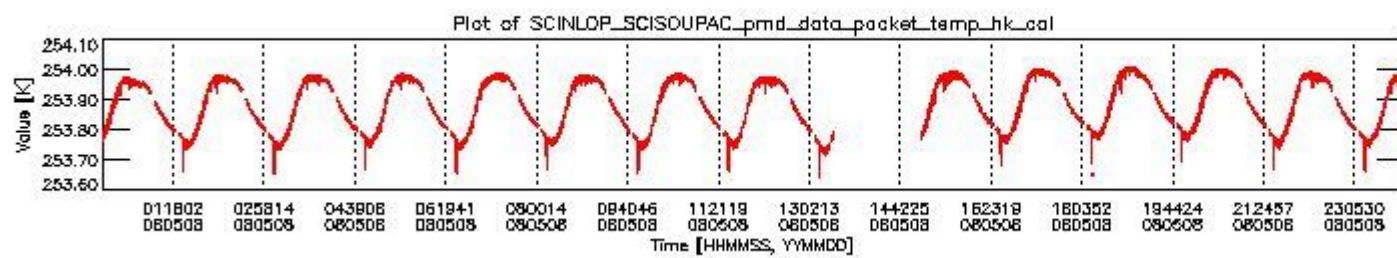
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080508_0.PNG



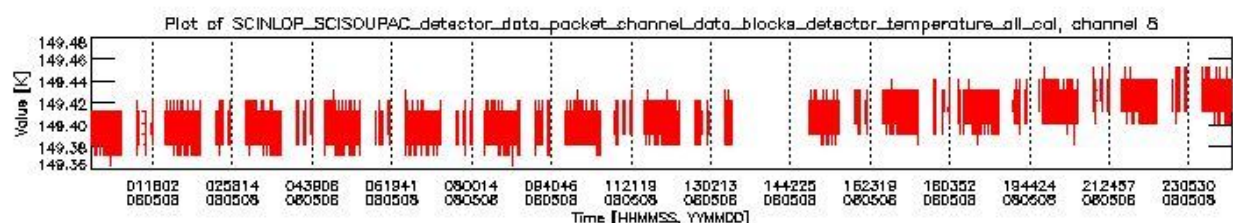
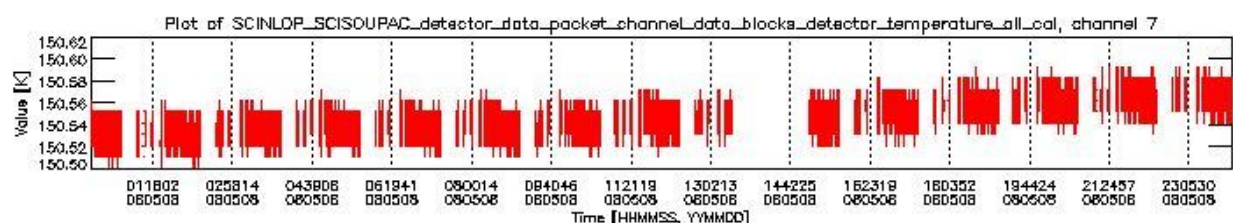
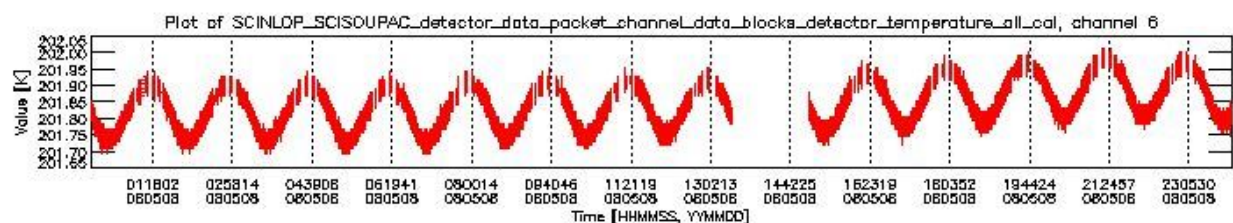
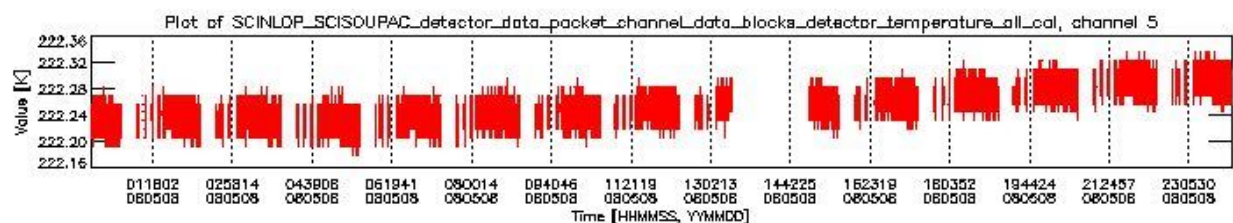
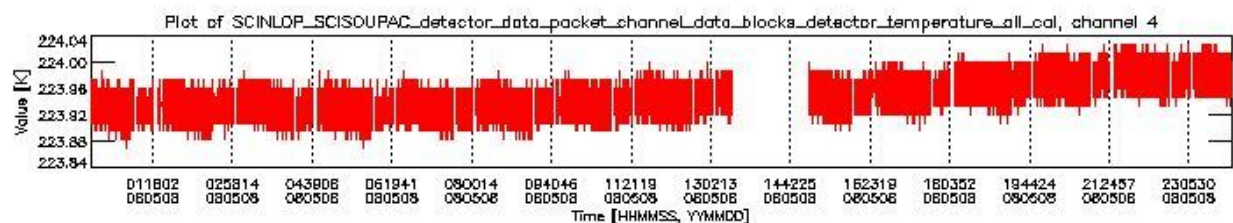
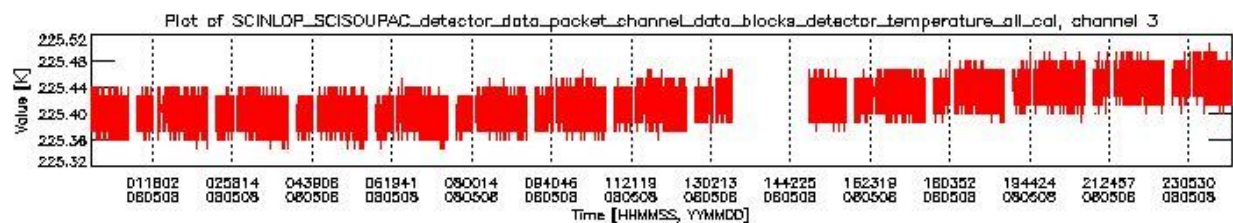
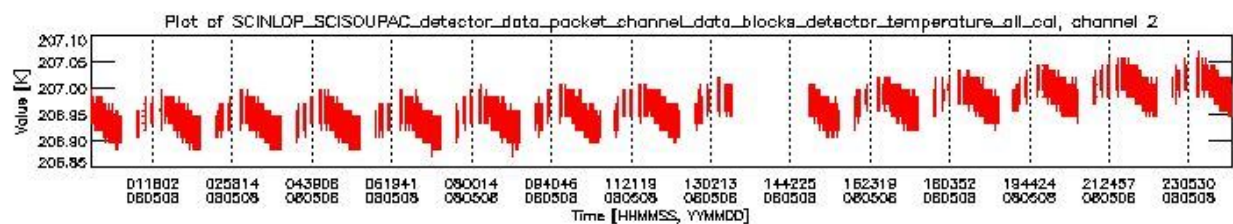
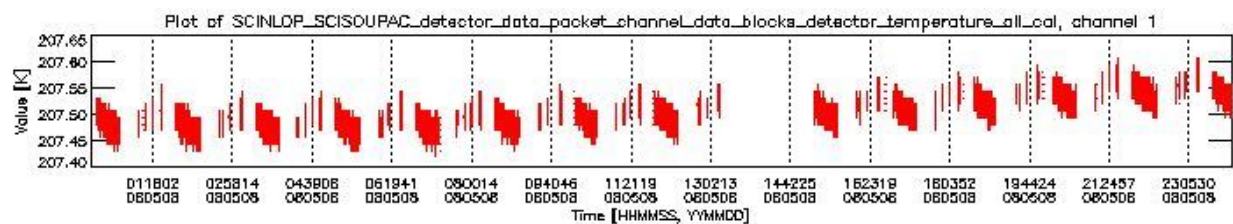
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080508_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080508_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080508_3.PNG

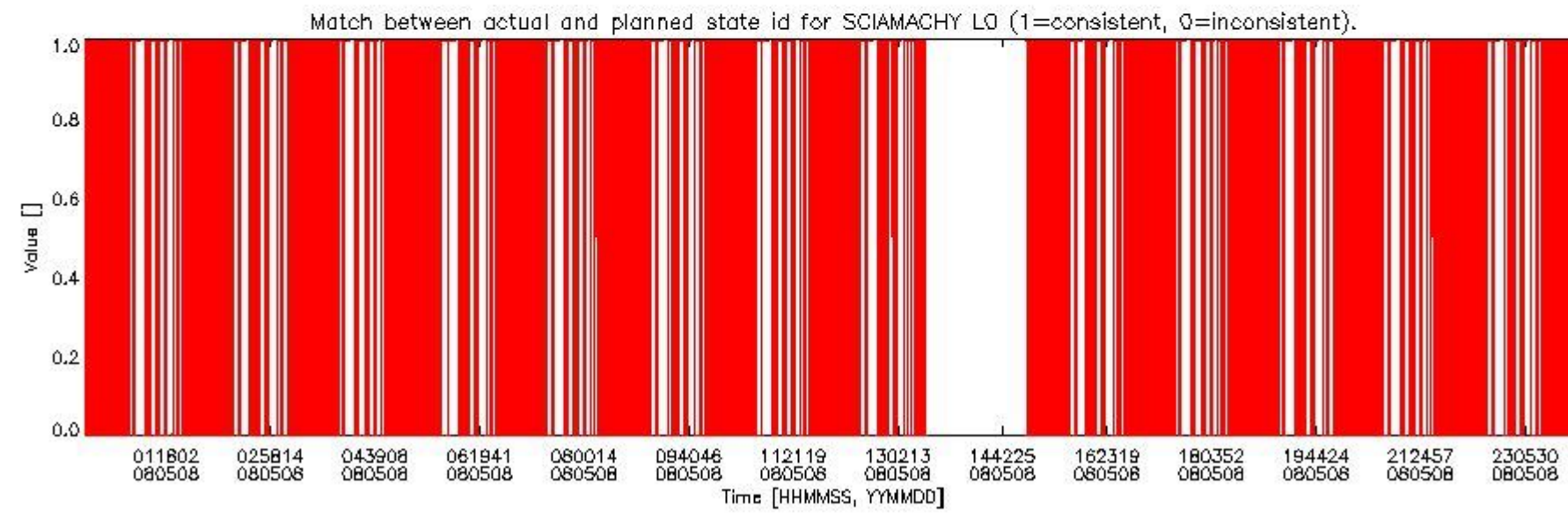
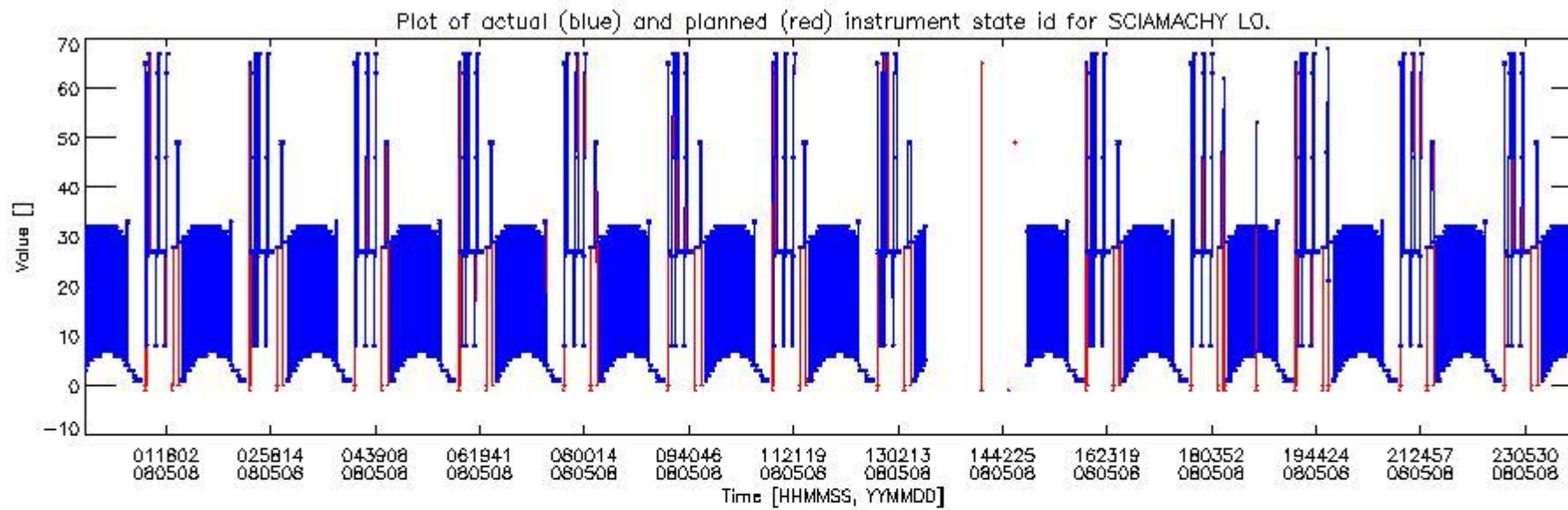


0.3 State monitoring

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: **36552**

#	Actual time	Actual value	Planned time	Planned value
0	08MAY2008 00:00:20.356478	31	08MAY2008 00:00:20.356478	3
1	08MAY2008 00:00:20.981500	31	08MAY2008 00:00:20.981500	3
2	08MAY2008 00:00:21.356472	31	08MAY2008 00:00:21.356472	3
3	08MAY2008 00:00:21.731485	31	08MAY2008 00:00:21.731485	3
4	08MAY2008 00:00:22.293985	31	08MAY2008 00:00:22.293985	3
5	08MAY2008 00:00:22.668998	31	08MAY2008 00:00:22.668998	3
6	08MAY2008 00:00:23.043971	31	08MAY2008 00:00:23.043971	3
7	08MAY2008 00:00:23.418984	31	08MAY2008 00:00:23.418984	3
8	08MAY2008 00:00:23.981483	31	08MAY2008 00:00:23.981483	3
9	08MAY2008 00:00:24.356496	31	08MAY2008 00:00:24.356496	3
10	08MAY2008 00:00:24.731469	31	08MAY2008 00:00:24.731469	3
11	08MAY2008 00:00:25.106482	31	08MAY2008 00:00:25.106482	3
12	08MAY2008 00:00:25.356491	31	08MAY2008 00:00:25.356491	3
13	08MAY2008 00:00:25.668982	31	08MAY2008 00:00:25.668982	3
14	08MAY2008 00:00:26.043995	31	08MAY2008 00:00:26.043995	3
15	08MAY2008 00:00:26.419008	31	08MAY2008 00:00:26.419008	3
16	08MAY2008 00:00:26.793981	31	08MAY2008 00:00:26.793981	3
17	08MAY2008 00:00:27.356480	31	08MAY2008 00:00:27.356480	3
18	08MAY2008 00:00:27.731493	31	08MAY2008 00:00:27.731493	3
19	08MAY2008 00:00:28.106506	31	08MAY2008 00:00:28.106506	3

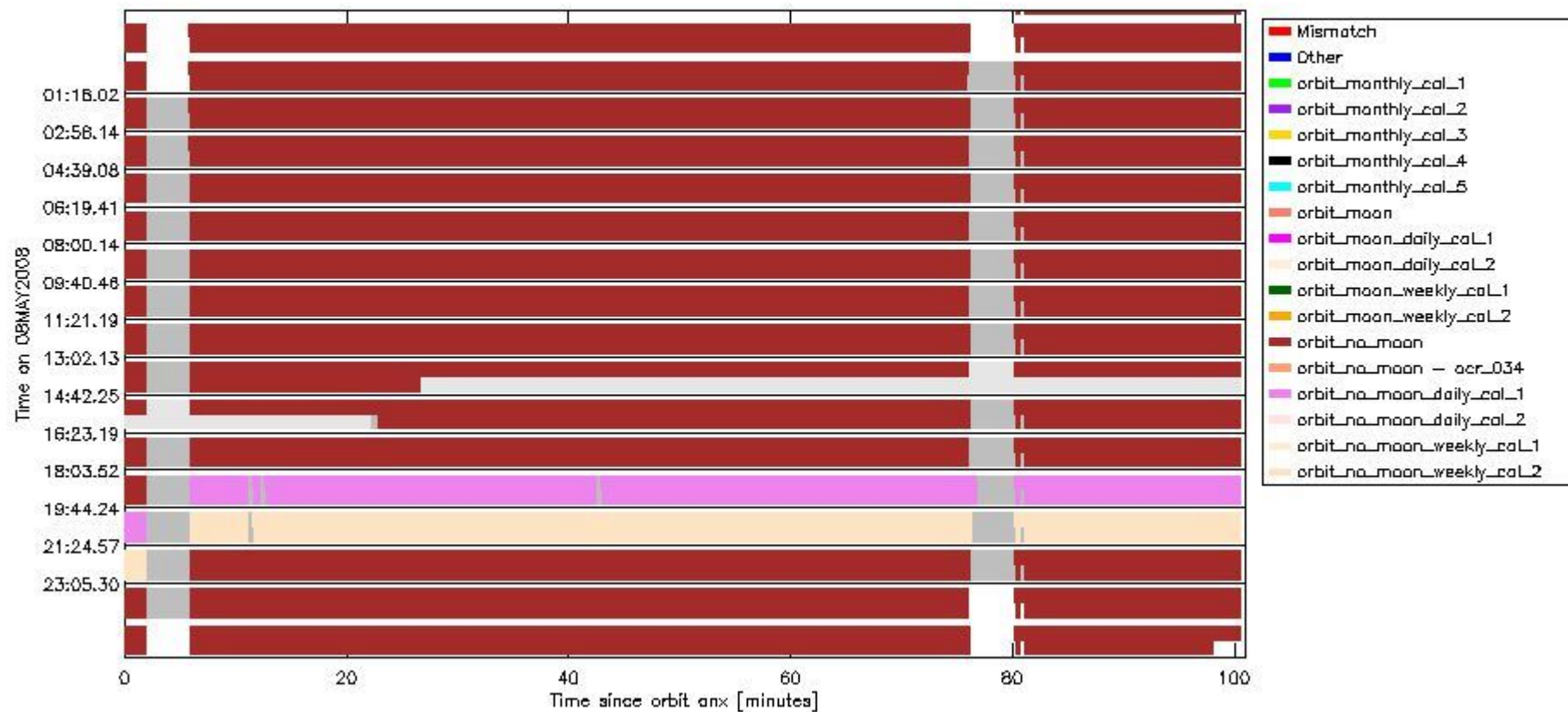


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080508_5.PNG

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 Q8MAY2008.
 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_4303_N_20080508_6.PNG

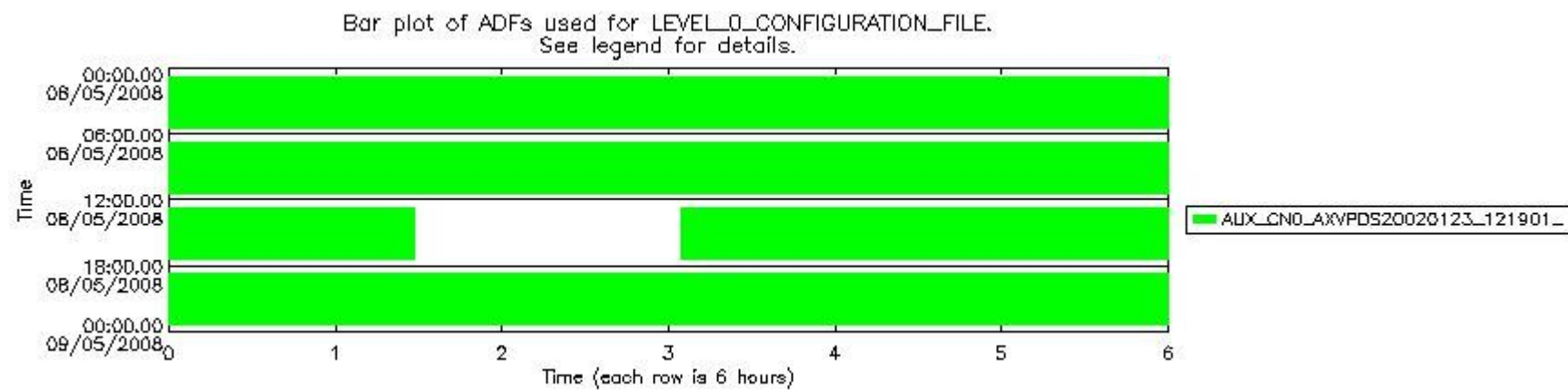
0.4 ADF monitoring

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

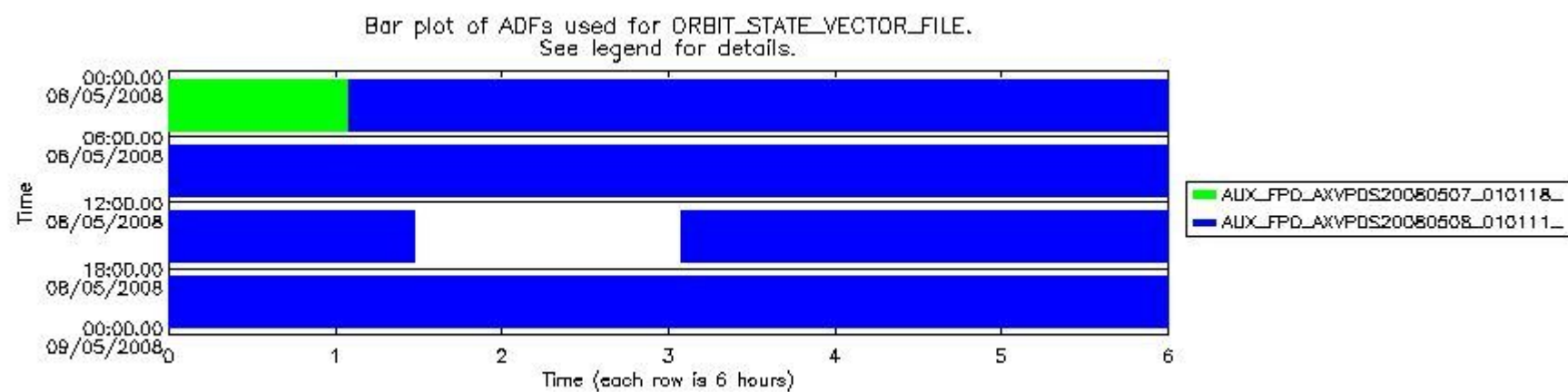
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

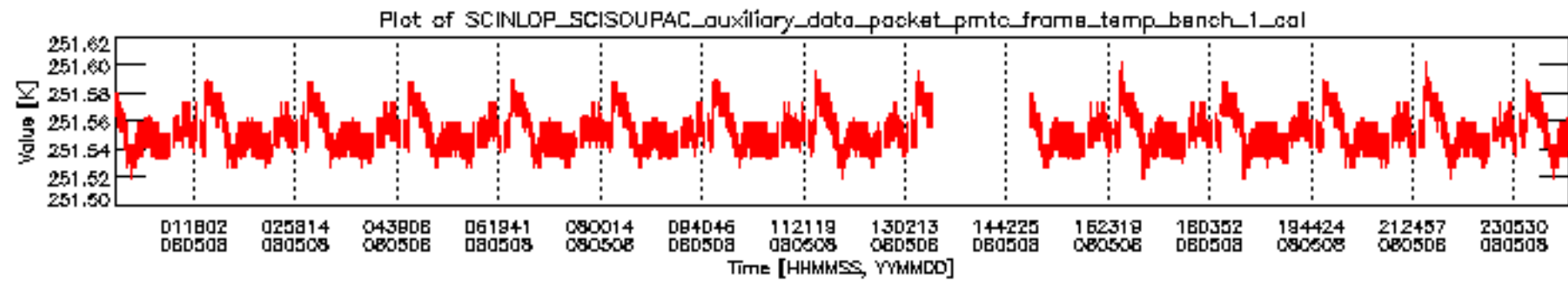
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080507_010118_20080506_190702_20080516_203316
2	AUX_FPO_AXVPDS20080508_010111_20080507_183525_20080517_200139

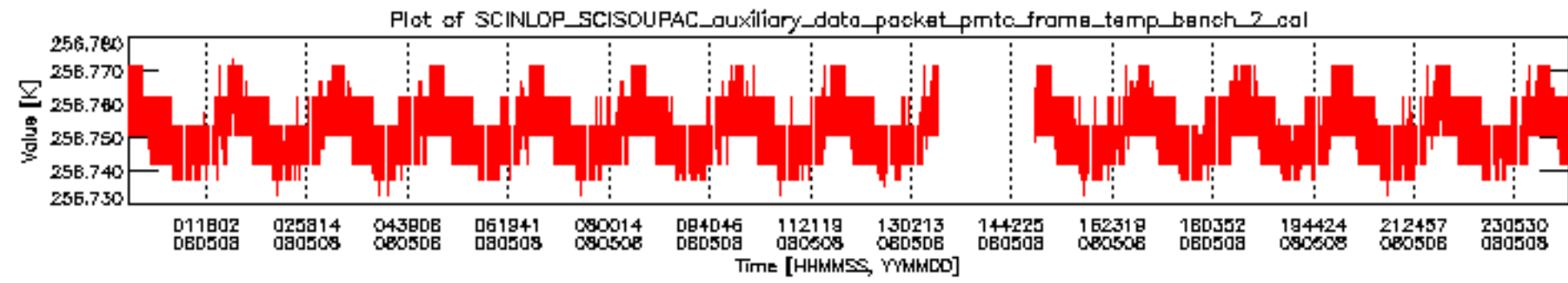


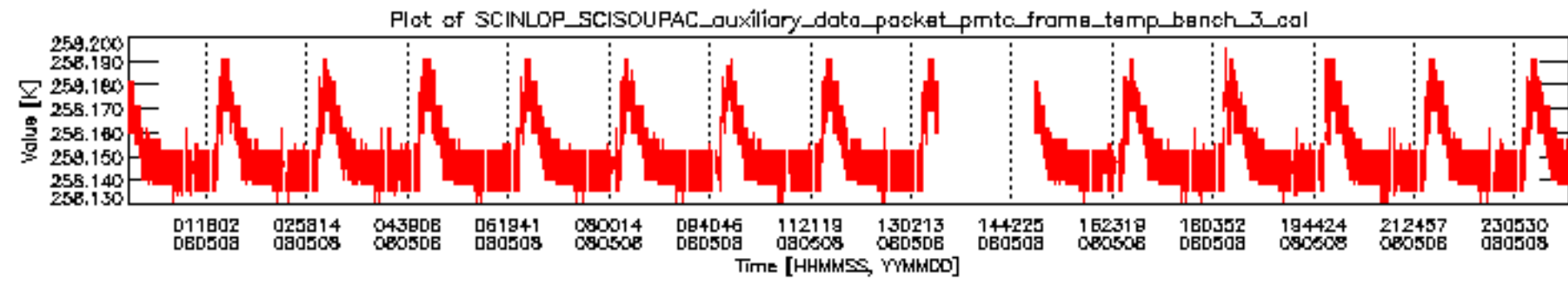
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080508_7.PNG

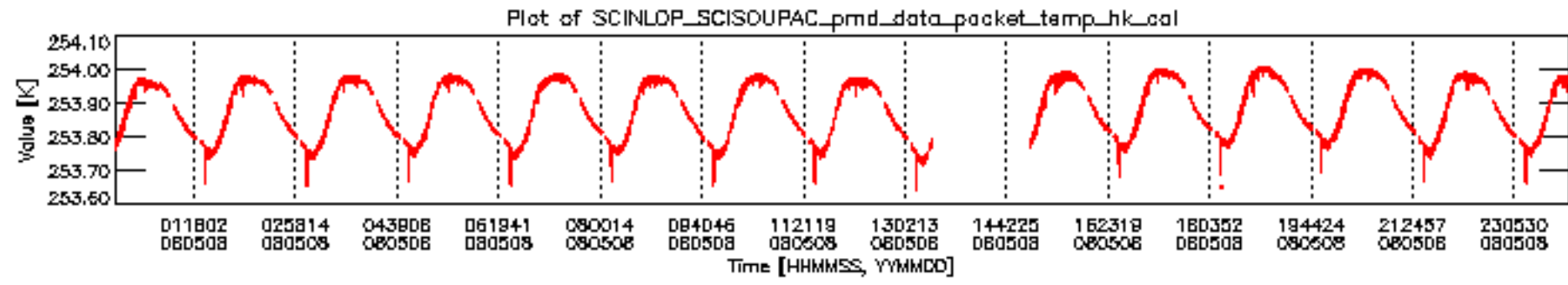


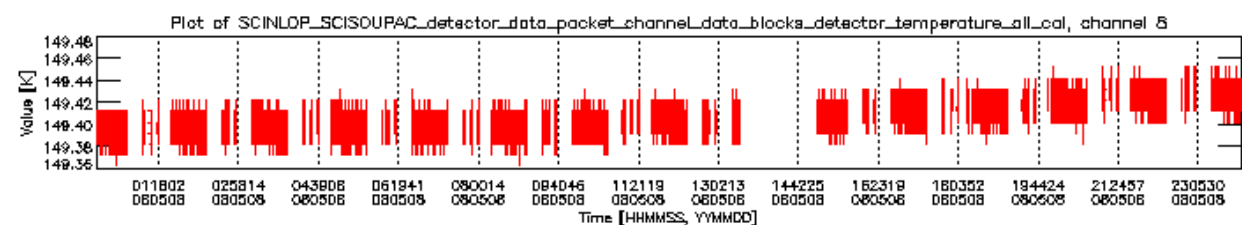
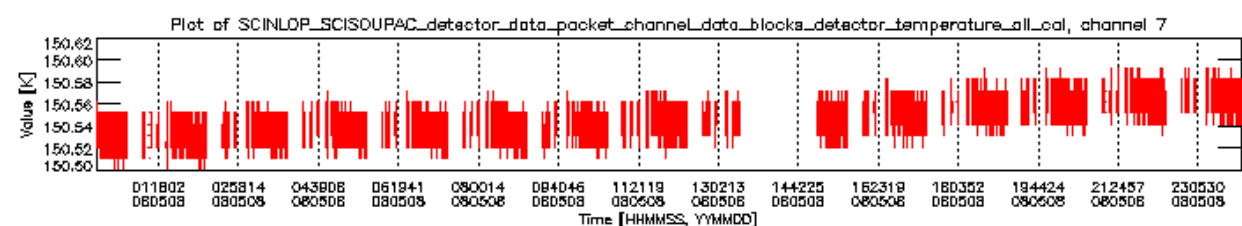
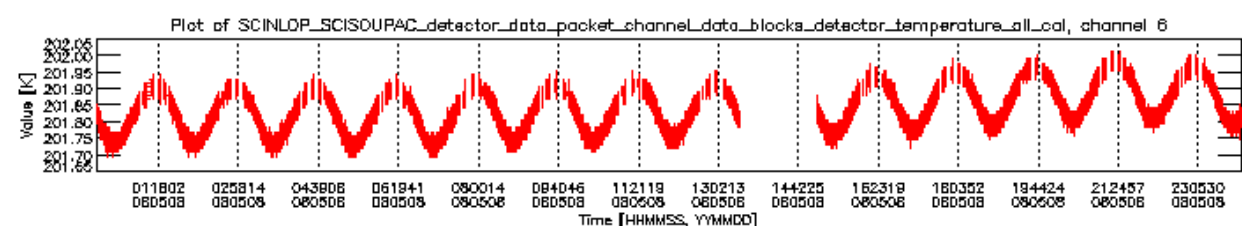
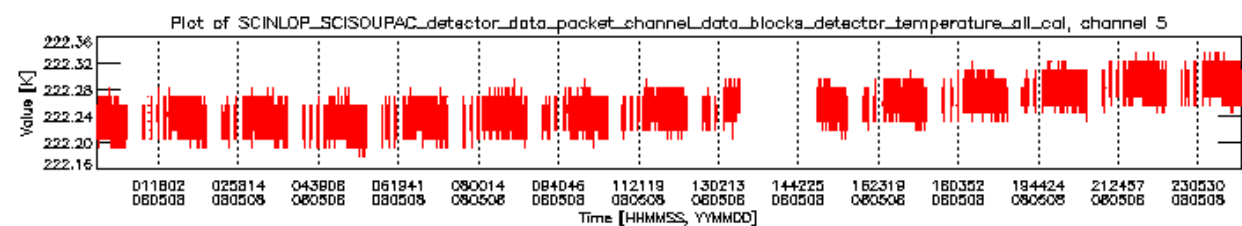
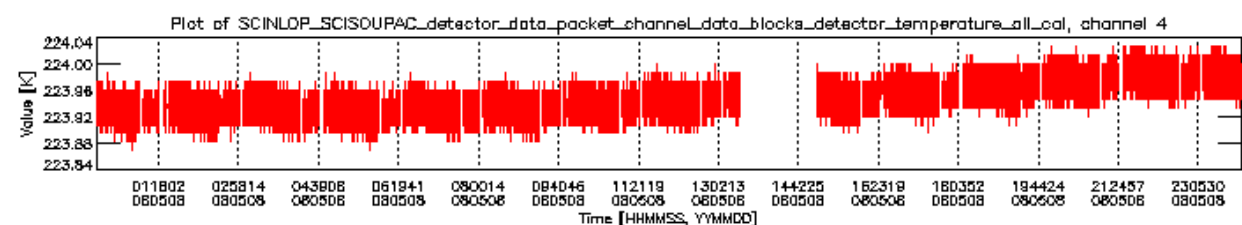
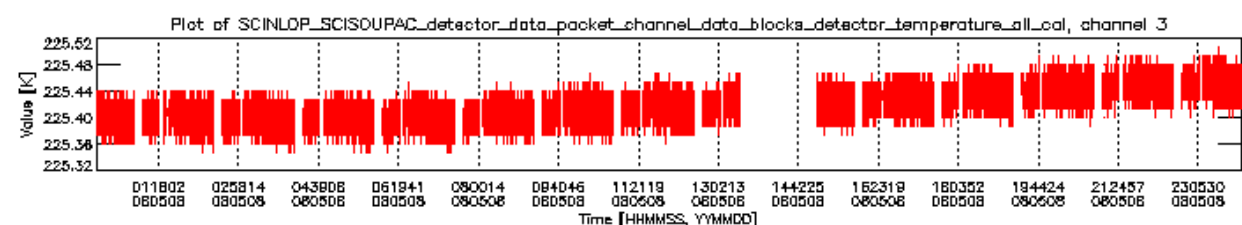
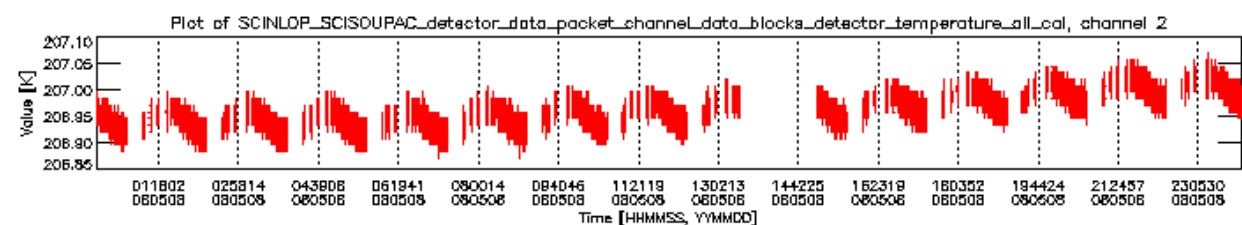
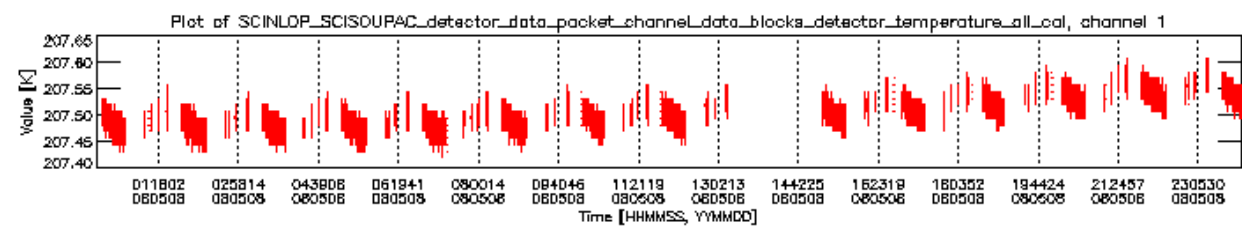
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080508_8.PNG

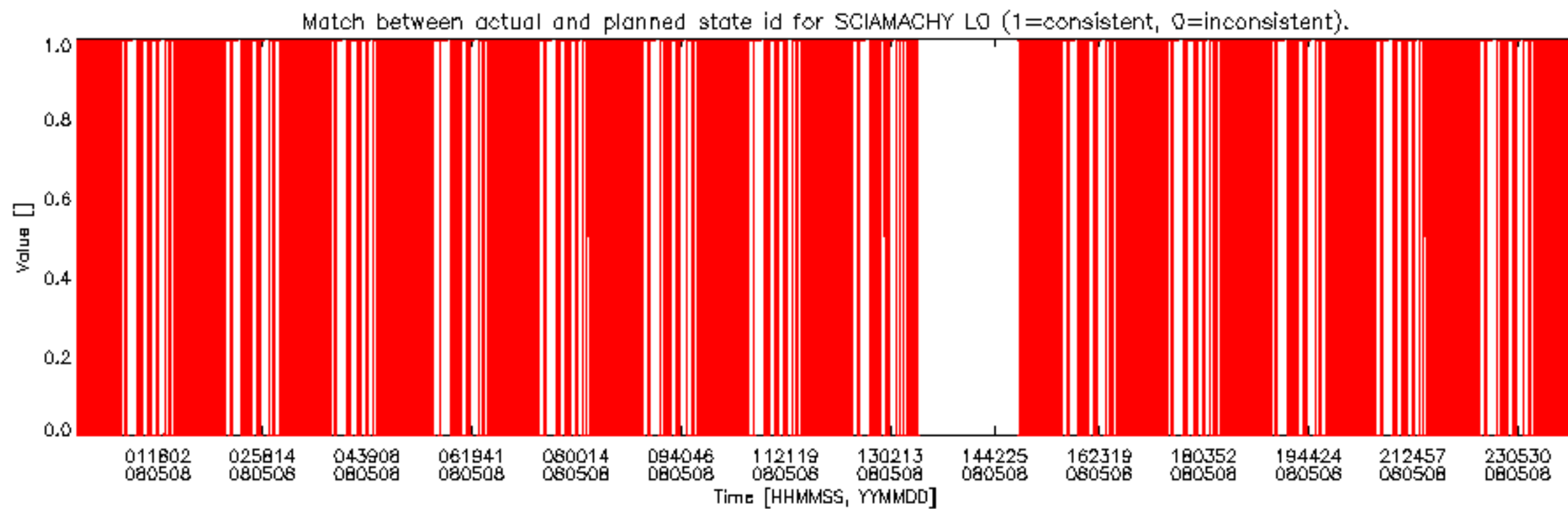
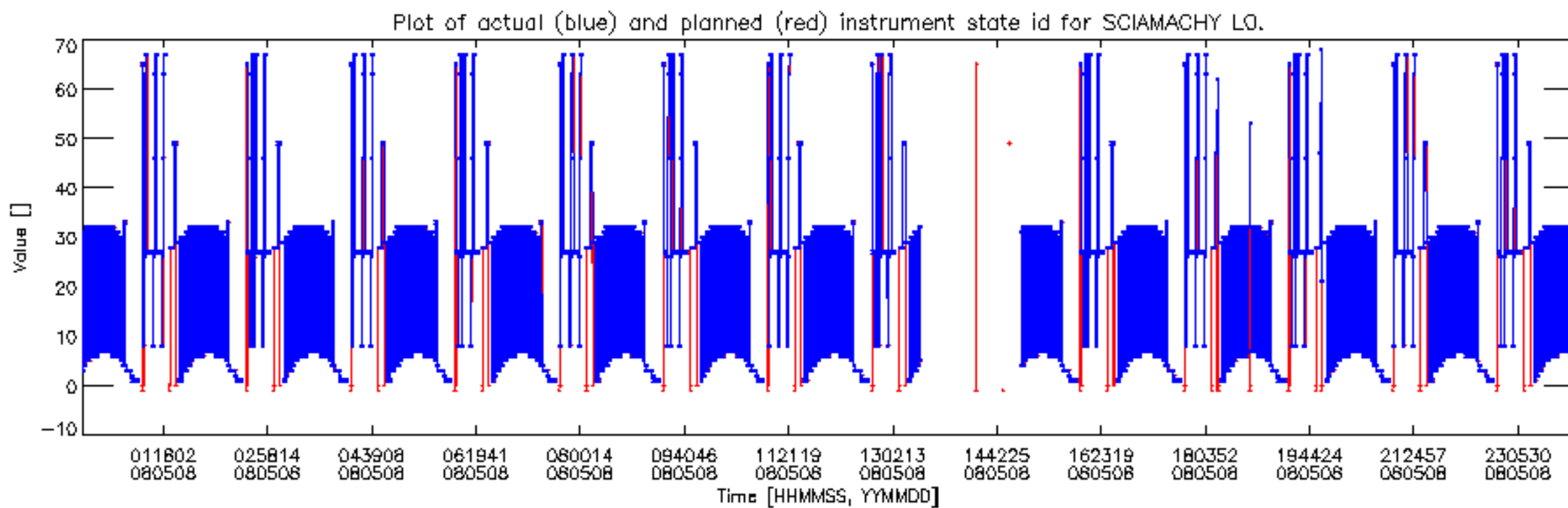




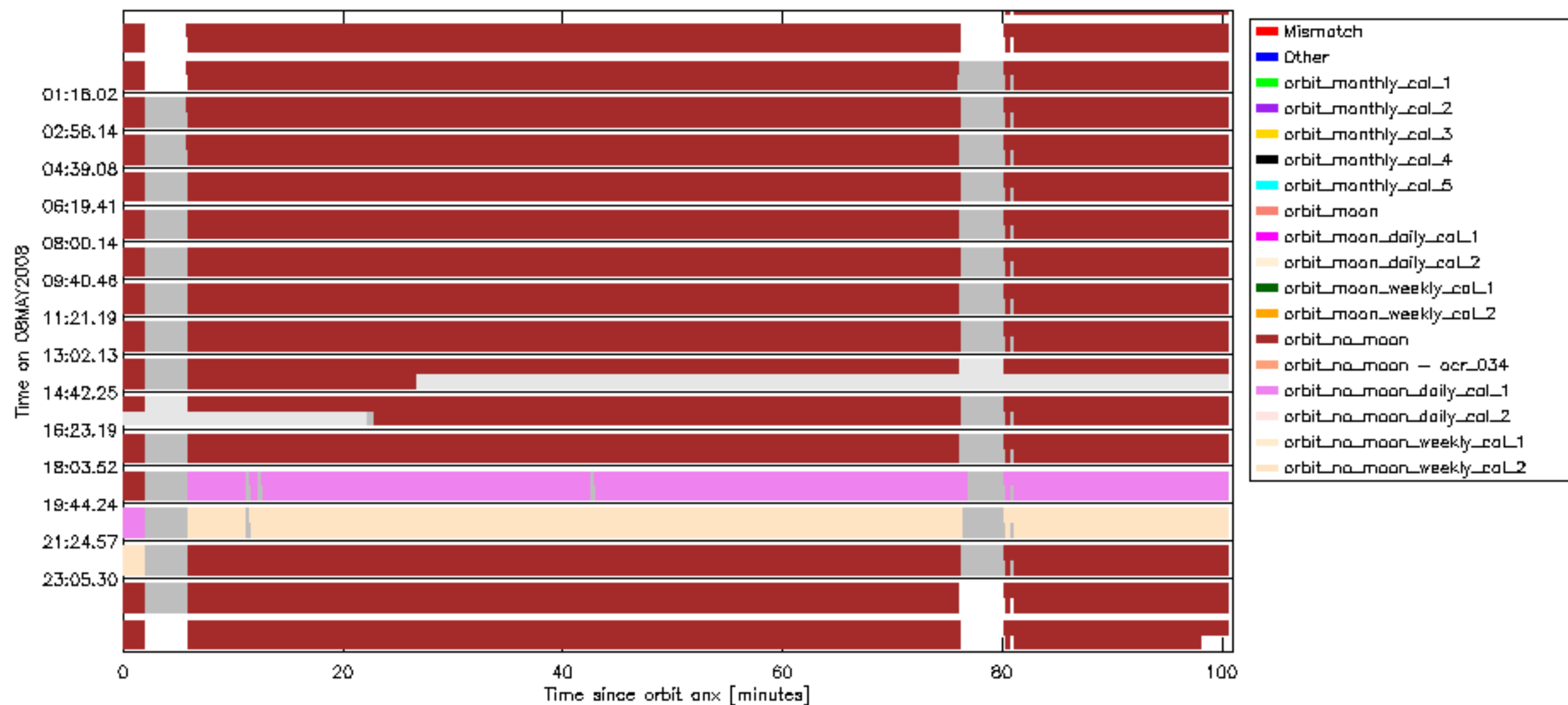


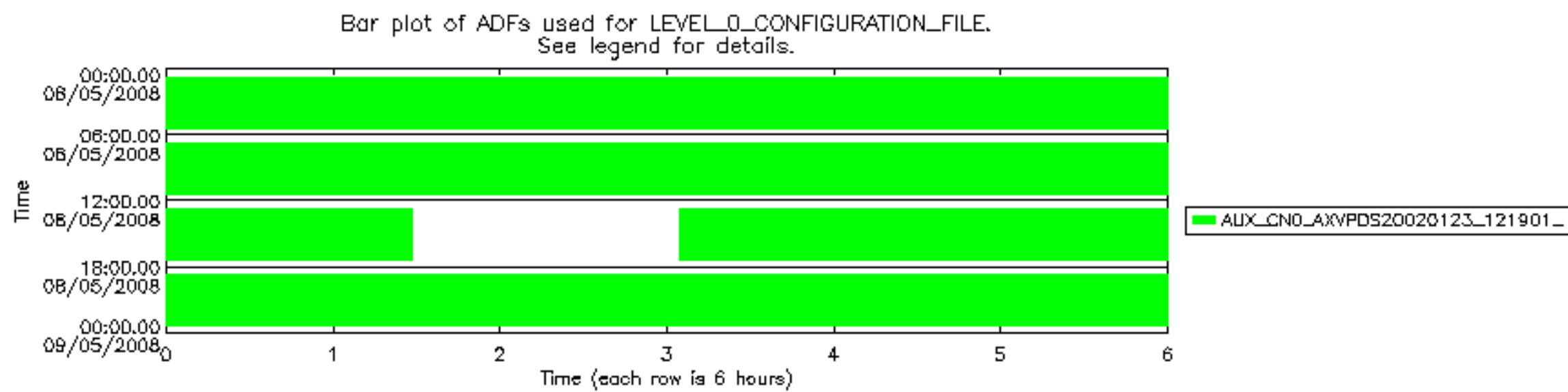






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 08MAY2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

