

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	12JUL2008 05:16:38
Data source version	KSPT_L0/4303-N
Processing scope for products	08JUL2008 00:00:00 to 09JUL2008 00:00:00
Start time of first product within scope	07JUL2008 23:07:53
Stop time of last product within scope	09JUL2008 00:18:24
Total number of level 0 products	16
Number of level 0 products with errors	0

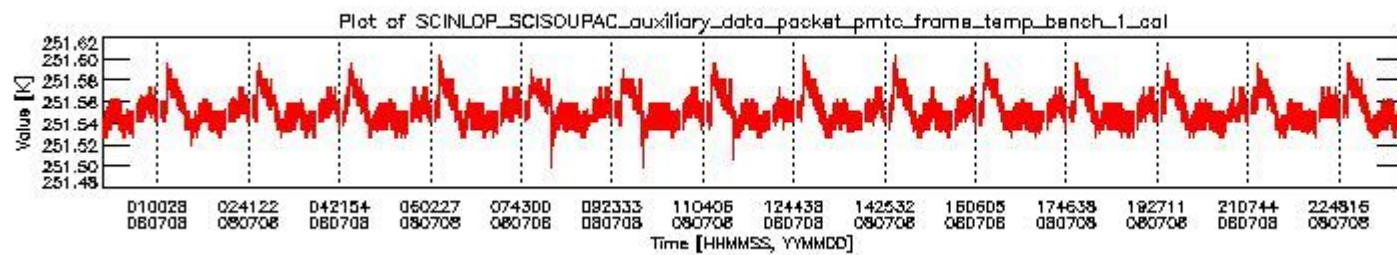
0.1.2 Summary per product

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

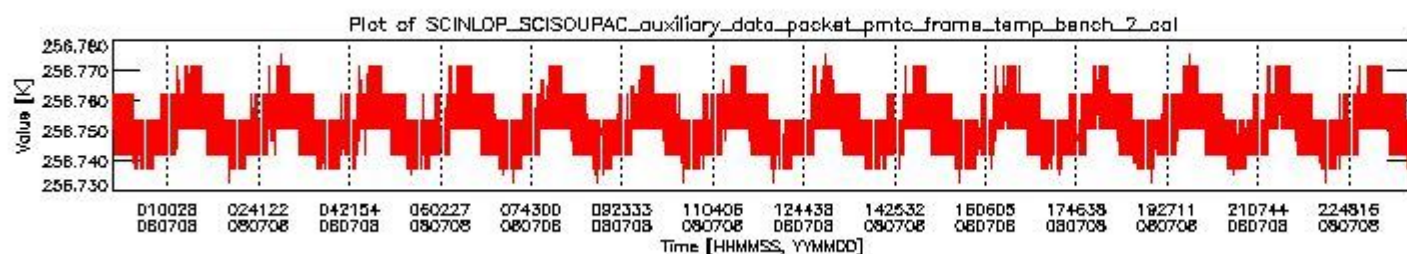
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080707_230753_000060482070_00101_33221_6825.N1	07JUL2008 23:07:53	08JUL2008 00:48:42	0	0	0	0	0
1	SCI_NL__OPNPDE20080708_004758_000057762070_00102_33222_6826.N1	08JUL2008 00:47:58	08JUL2008 02:24:14	0	0	0	0	0
2	SCI_NL__OPNPDE20080708_022414_000045962070_00103_33223_6827.N1	08JUL2008 02:24:14	08JUL2008 03:40:49	0	0	0	0	0
3	SCI_NL__OPNPDE20080708_033954_000062292070_00104_33224_7063.N1	08JUL2008 03:39:54	08JUL2008 05:23:43	0	0	0	0	0
4	SCI_NL__OPNPDE20080708_052234_000060362070_00105_33225_7111.N1	08JUL2008 05:22:34	08JUL2008 07:03:10	0	0	0	0	0
5	SCI_NL__OPNPDK20080708_070310_000040452070_00106_33226_8710.N1	08JUL2008 07:03:10	08JUL2008 08:10:35	0	0	0	0	0
6	SCI_NL__OPNPDK20080708_081035_000060922070_00107_33227_8711.N1	08JUL2008 08:10:35	08JUL2008 09:52:07	0	0	0	0	0
7	SCI_NL__OPNPDK20080708_095111_000059802070_00108_33228_8712.N1	08JUL2008 09:51:11	08JUL2008 11:30:52	0	0	0	0	0
8	SCI_NL__OPNPDK20080708_113052_000059672070_00109_33229_8713.N1	08JUL2008 11:30:52	08JUL2008 13:10:19	0	0	0	0	0
9	SCI_NL__OPNPDK20080708_131019_000059802070_00110_33230_8714.N1	08JUL2008 13:10:19	08JUL2008 14:49:59	0	0	0	0	0
10	SCI_NL__OPNPDK20080708_144851_000059122070_00111_33231_8715.N1	08JUL2008 14:48:51	08JUL2008 16:27:22	0	0	0	0	0
11	SCI_NL__OPNPDK20080708_162614_000058452070_00112_33232_8716.N1	08JUL2008 16:26:14	08JUL2008 18:03:39	0	0	0	0	0
12	SCI_NL__OPNPDK20080708_180230_000060072070_00113_33233_8717.N1	08JUL2008 18:02:30	08JUL2008 19:42:37	0	0	0	0	0
13	SCI_NL__OPNPDE20080708_194141_000041452070_00114_33234_7064.N1	08JUL2008 19:41:41	08JUL2008 20:50:46	0	0	0	0	0
14	SCI_NL__OPNPDE20080708_205002_000063762070_00114_33234_7065.N1	08JUL2008 20:50:02	08JUL2008 22:36:18	0	0	0	0	0
15	SCI_NL__OPNPDE20080708_223455_000062092070_00115_33235_7066.N1	08JUL2008 22:34:55	09JUL2008 00:18:24	0	0	0	0	0

0.2 Product Quality Indicators

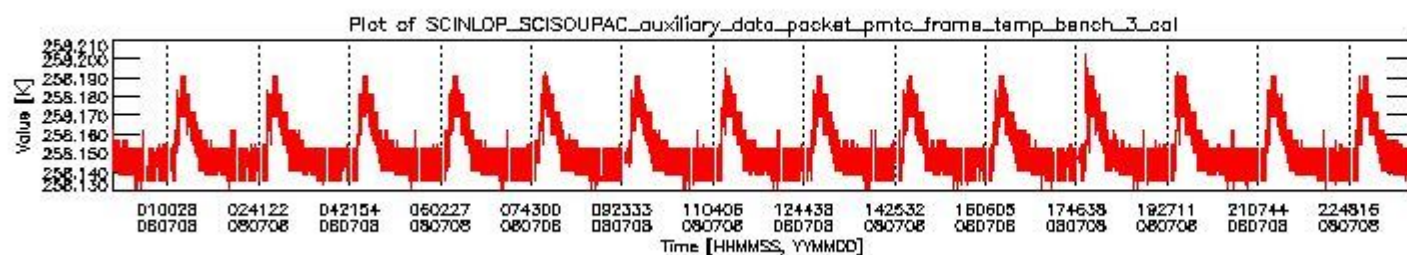
This section shows information about product quality, currently temperatures.



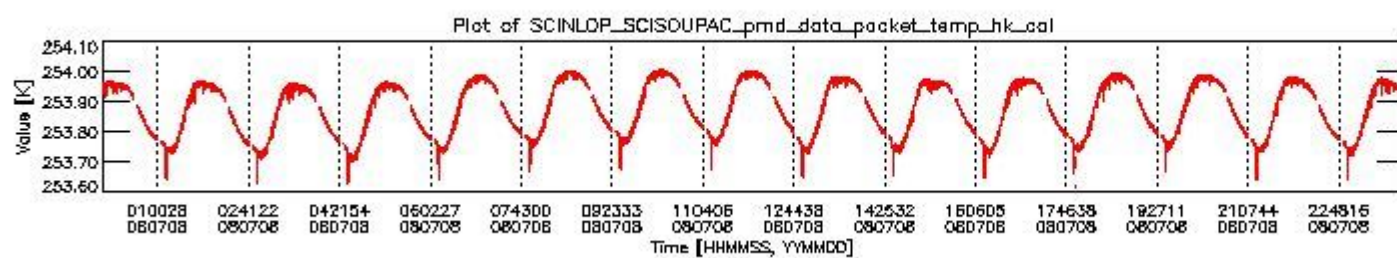
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080708_0.PNG



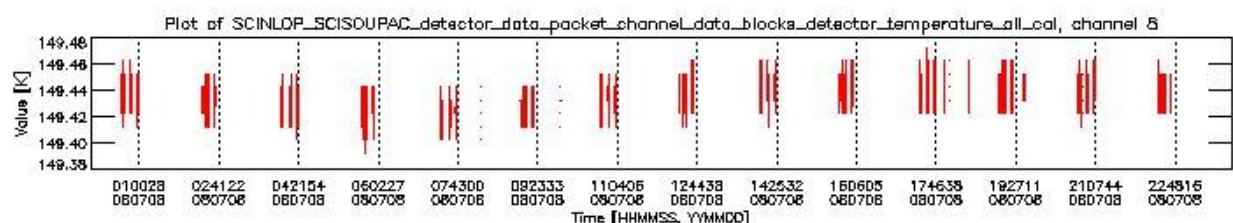
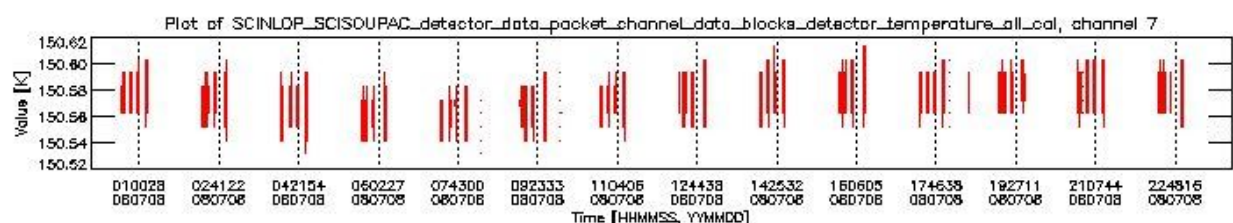
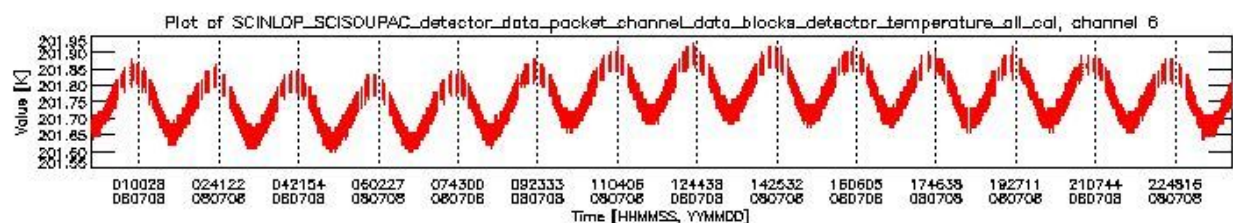
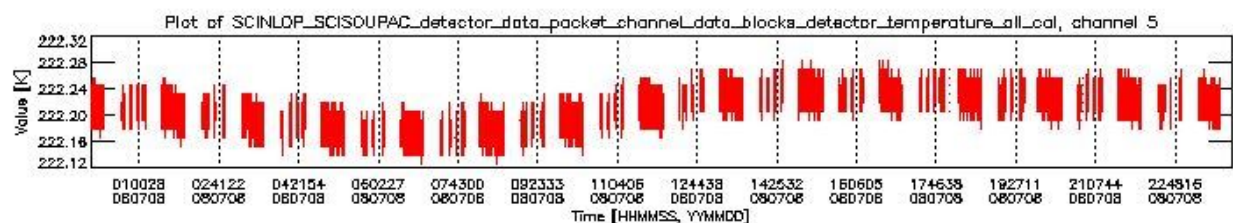
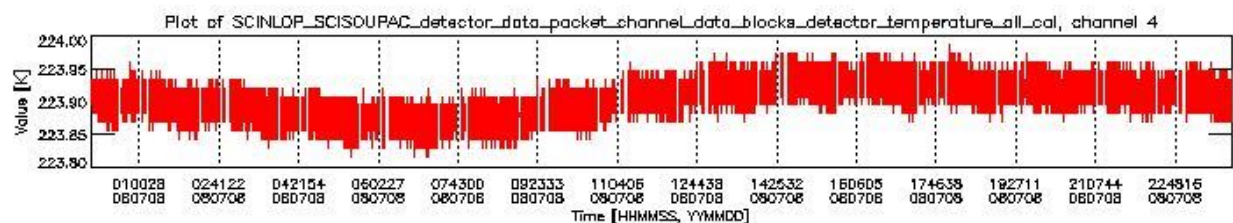
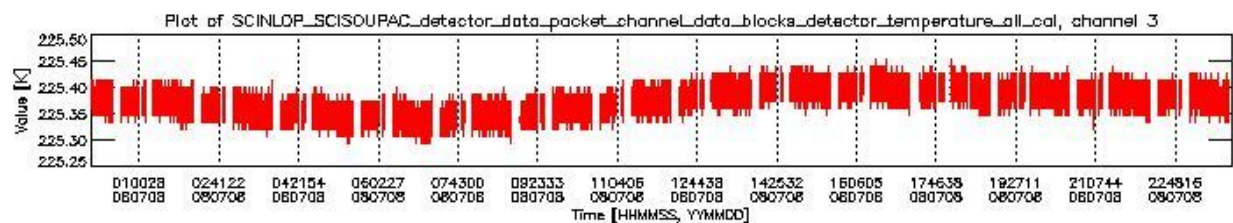
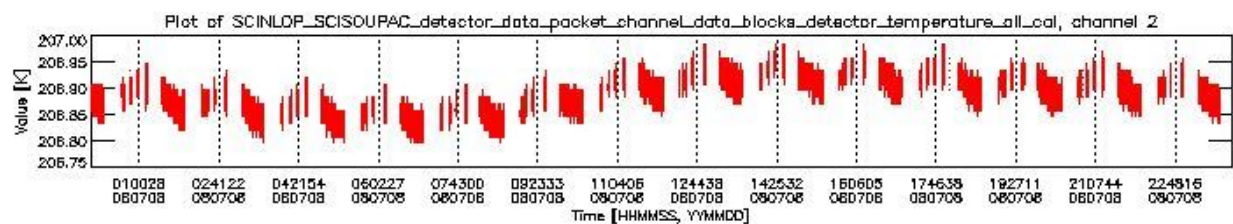
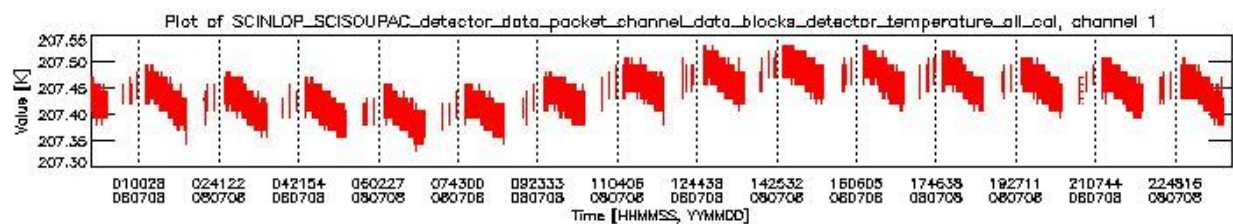
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080708_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080708_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080708_3.PNG

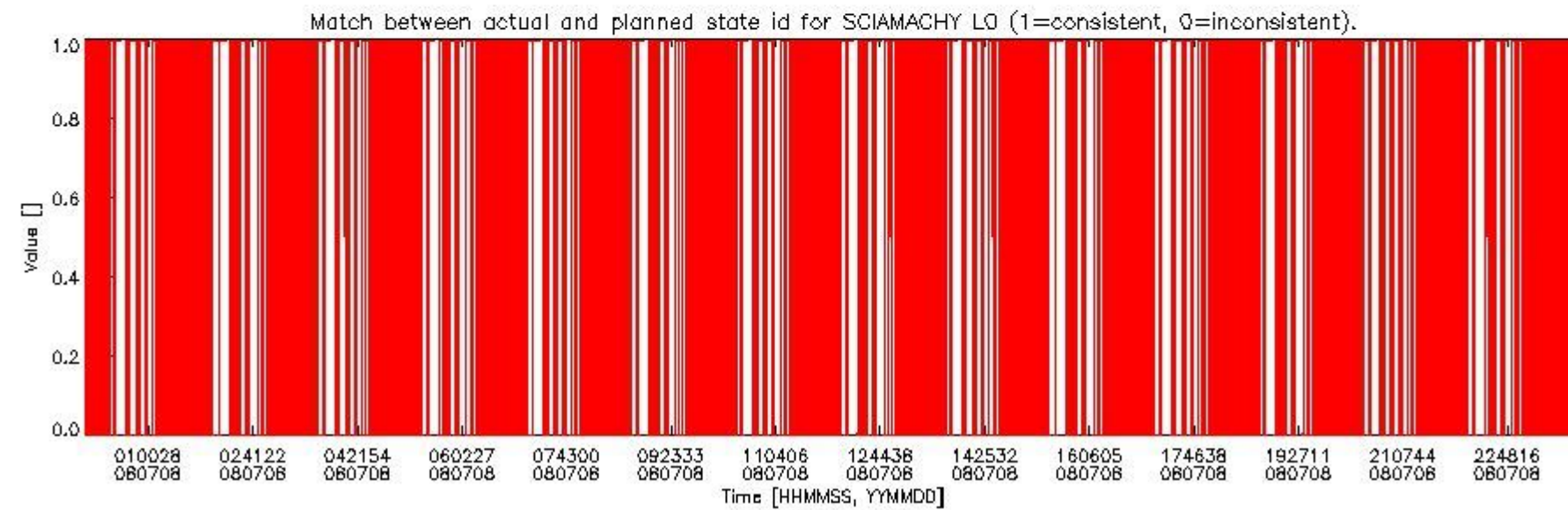
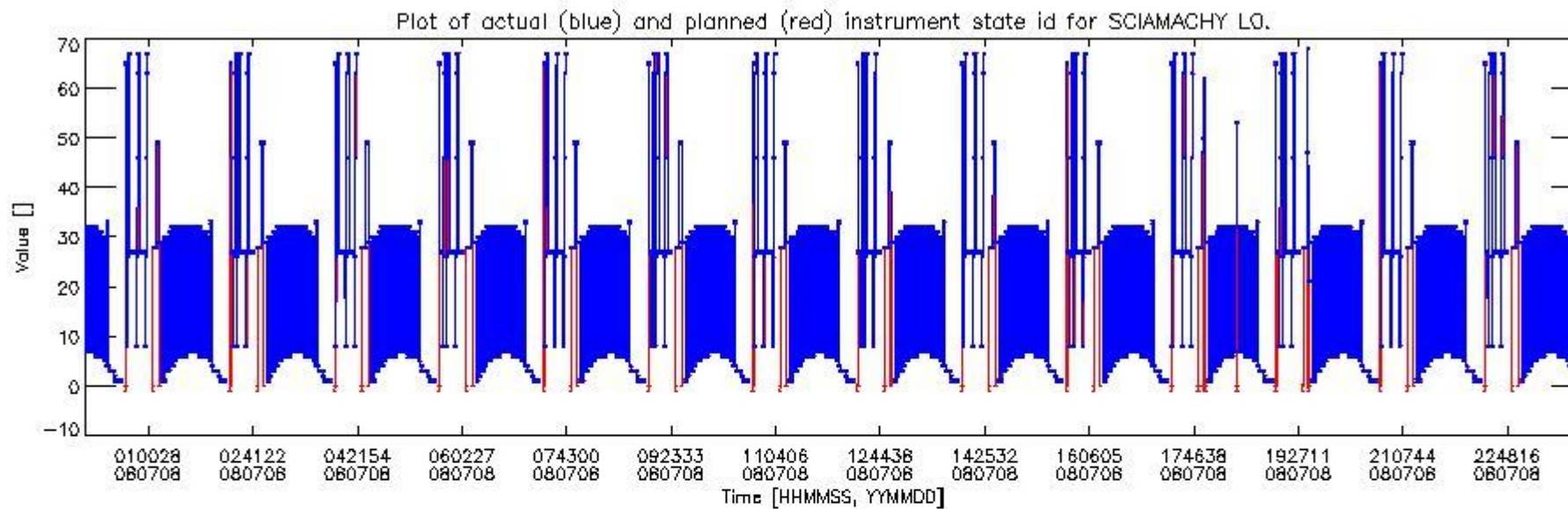


0.3 State monitoring

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: **36294**

#	Actual time	Actual value	Planned time	Planned value
0	08JUL2008 00:00:02.302663	32	08JUL2008 00:00:02.302663	7
1	08JUL2008 00:00:02.740158	32	08JUL2008 00:00:02.740158	7
2	08JUL2008 00:00:02.927645	32	08JUL2008 00:00:02.927645	7
3	08JUL2008 00:00:03.115171	32	08JUL2008 00:00:03.115171	7
4	08JUL2008 00:00:03.302658	32	08JUL2008 00:00:03.302658	7
5	08JUL2008 00:00:03.490184	32	08JUL2008 00:00:03.490184	7
6	08JUL2008 00:00:03.677671	32	08JUL2008 00:00:03.677671	7
7	08JUL2008 00:00:03.865157	32	08JUL2008 00:00:03.865157	7
8	08JUL2008 00:00:04.240170	32	08JUL2008 00:00:04.240170	7
9	08JUL2008 00:00:04.427657	32	08JUL2008 00:00:04.427657	7
10	08JUL2008 00:00:04.615183	32	08JUL2008 00:00:04.615183	7
11	08JUL2008 00:00:04.802670	32	08JUL2008 00:00:04.802670	7
12	08JUL2008 00:00:04.990156	32	08JUL2008 00:00:04.990156	7
13	08JUL2008 00:00:05.177683	32	08JUL2008 00:00:05.177683	7
14	08JUL2008 00:00:05.365169	32	08JUL2008 00:00:05.365169	7
15	08JUL2008 00:00:05.552655	32	08JUL2008 00:00:05.552655	7
16	08JUL2008 00:00:05.927669	32	08JUL2008 00:00:05.927669	7
17	08JUL2008 00:00:06.115155	32	08JUL2008 00:00:06.115155	7
18	08JUL2008 00:00:06.302682	32	08JUL2008 00:00:06.302682	7
19	08JUL2008 00:00:06.490168	32	08JUL2008 00:00:06.490168	7

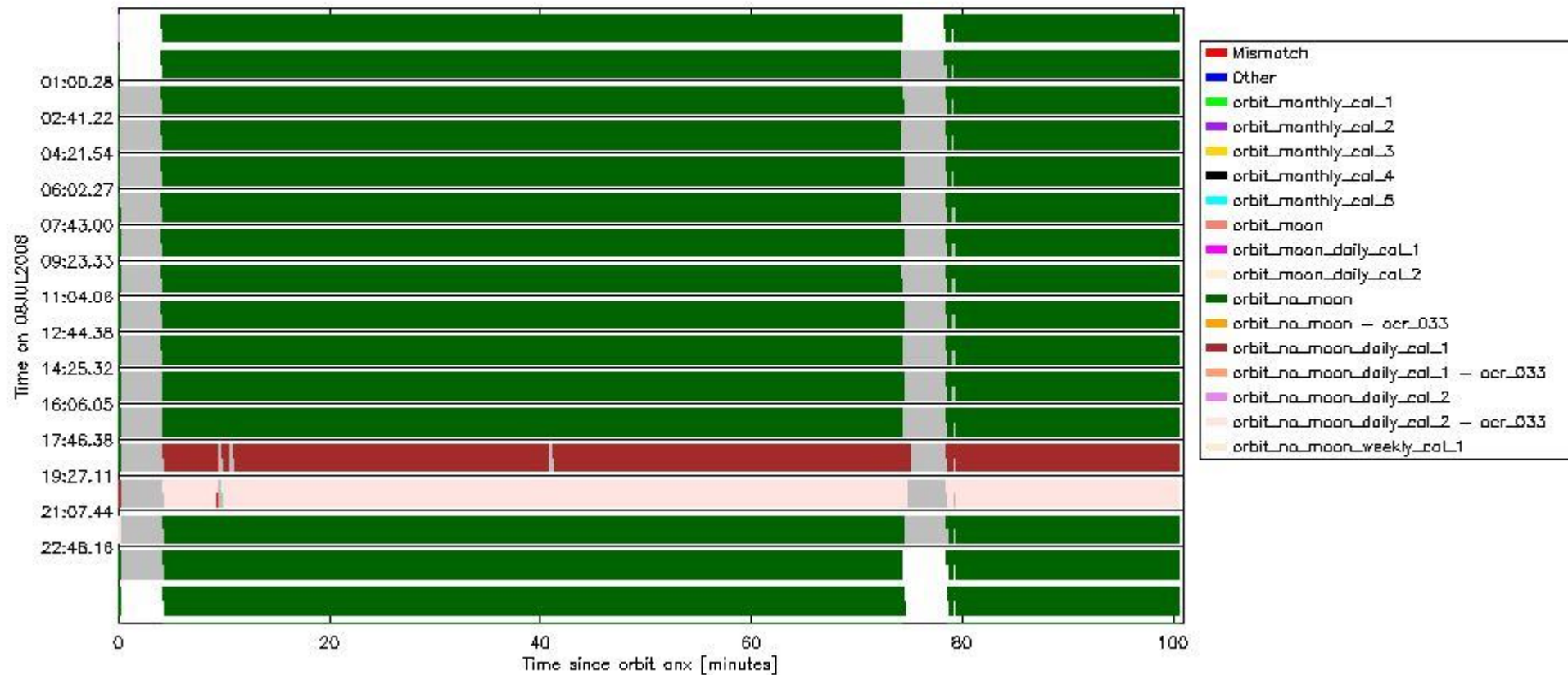


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080708_5.PNG

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 08JUL2008.
 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_20080708_6.PNG

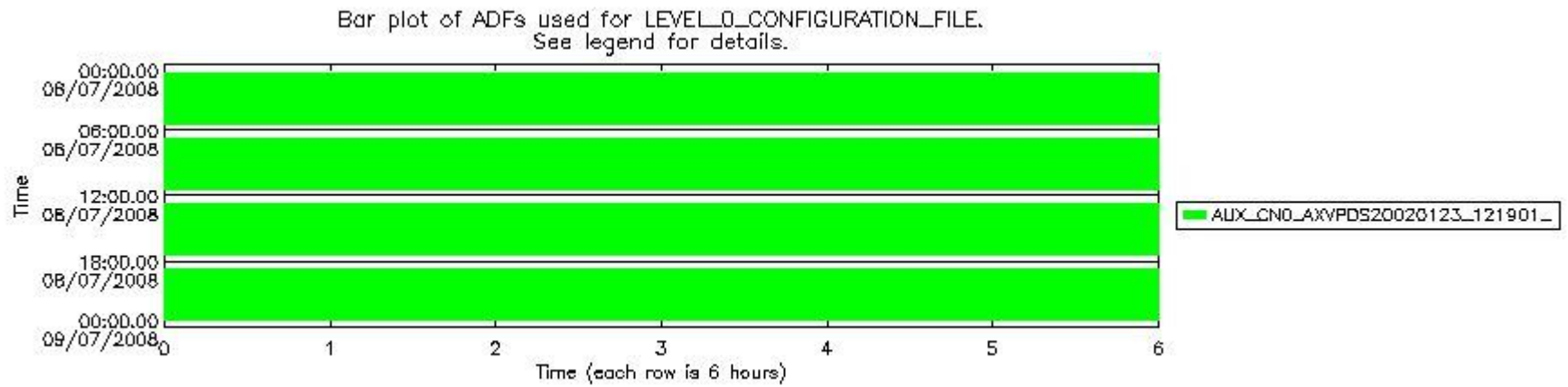
0.4 ADF monitoring

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

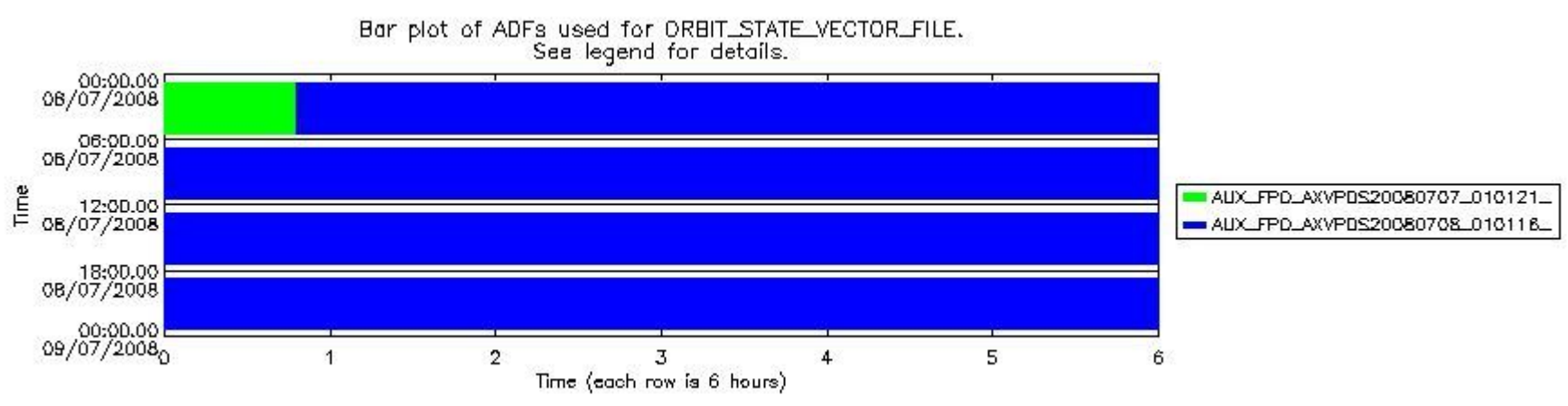
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

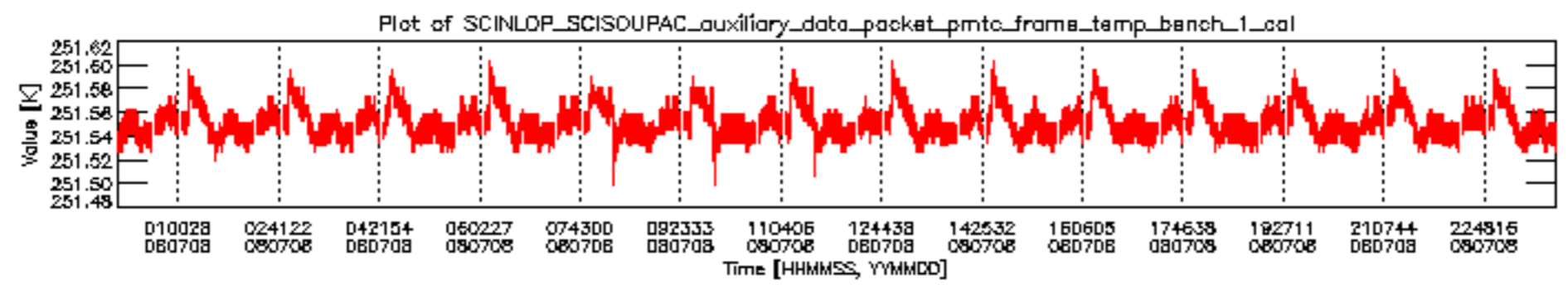
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080707_010121_20080706_184950_20080716_201604
2	AUX_FPO_AXVPDS20080708_010116_20080707_195849_20080717_212502

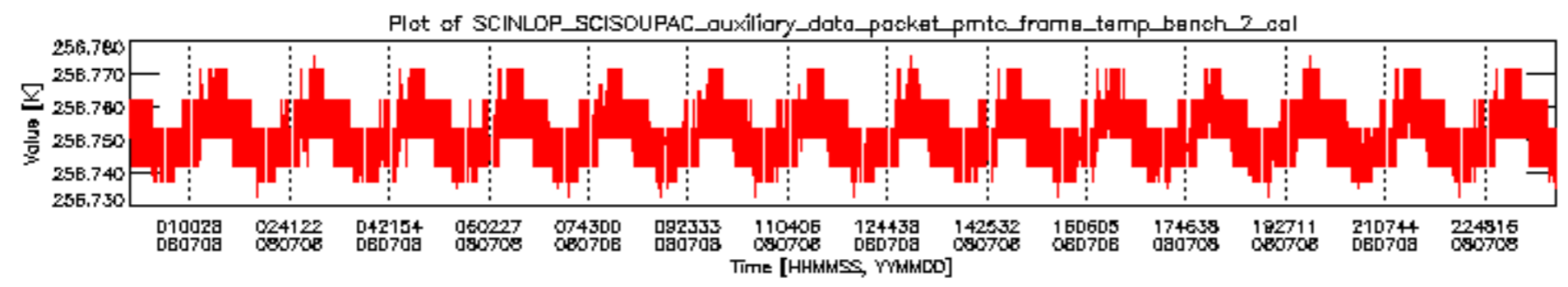


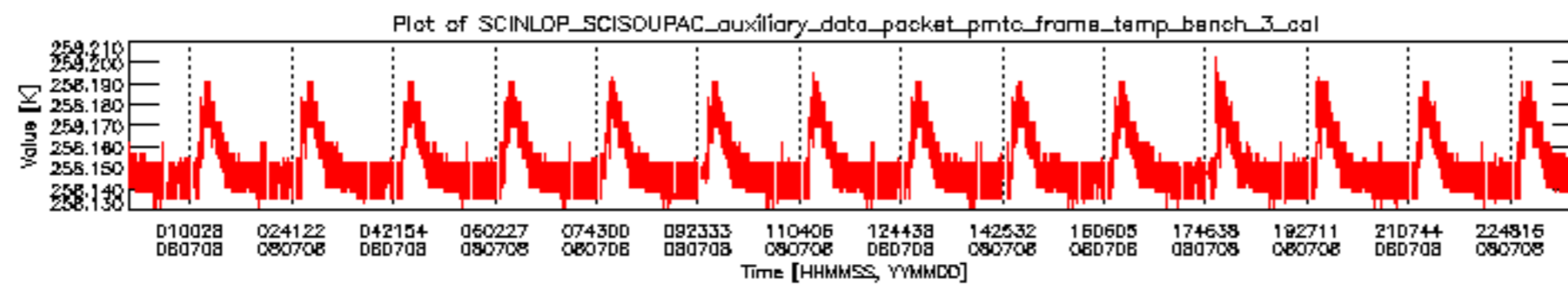
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080708_7.PNG

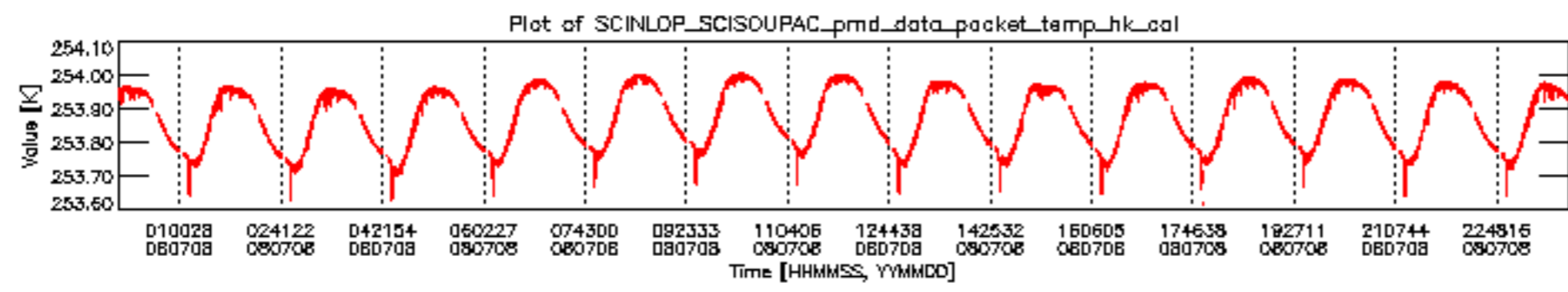


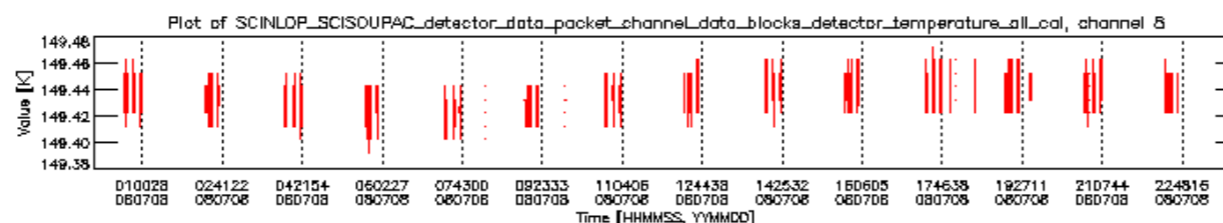
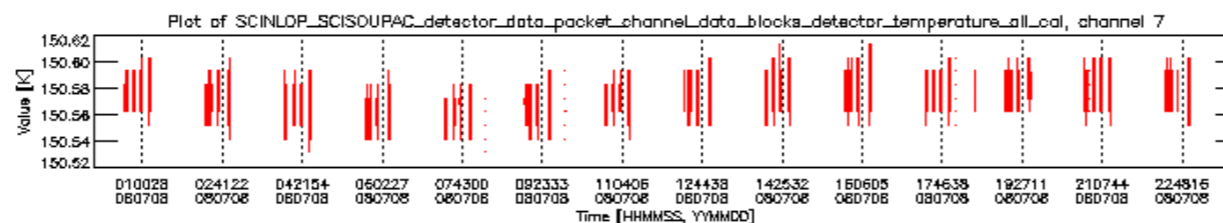
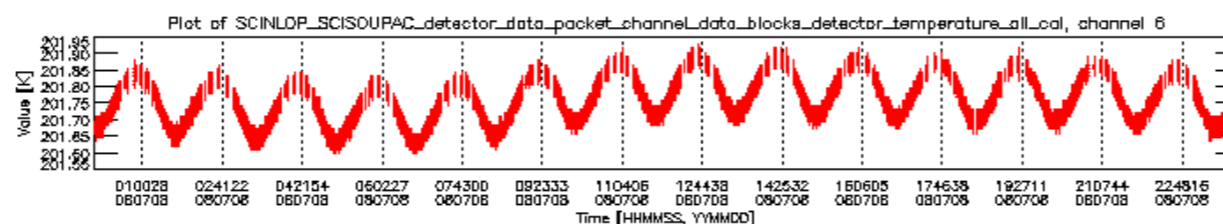
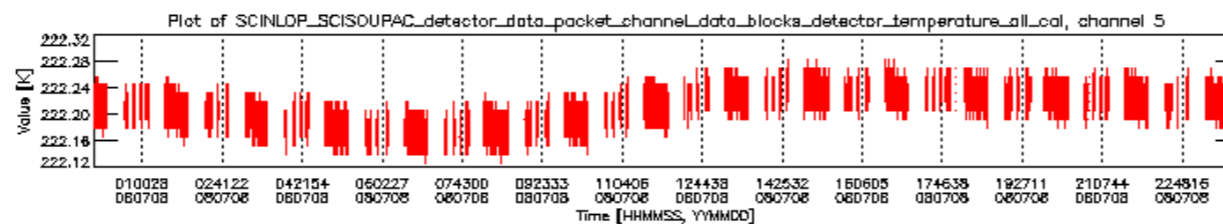
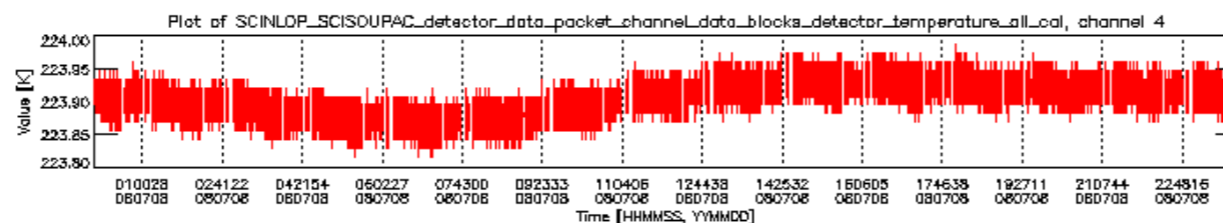
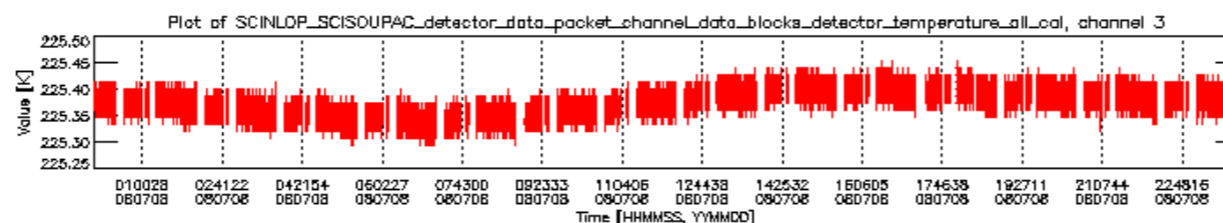
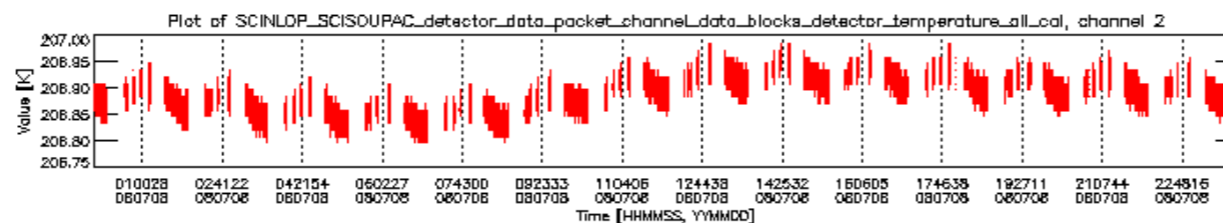
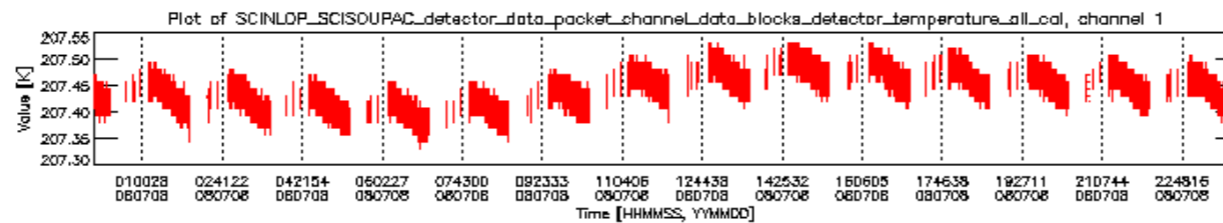
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080708_8.PNG

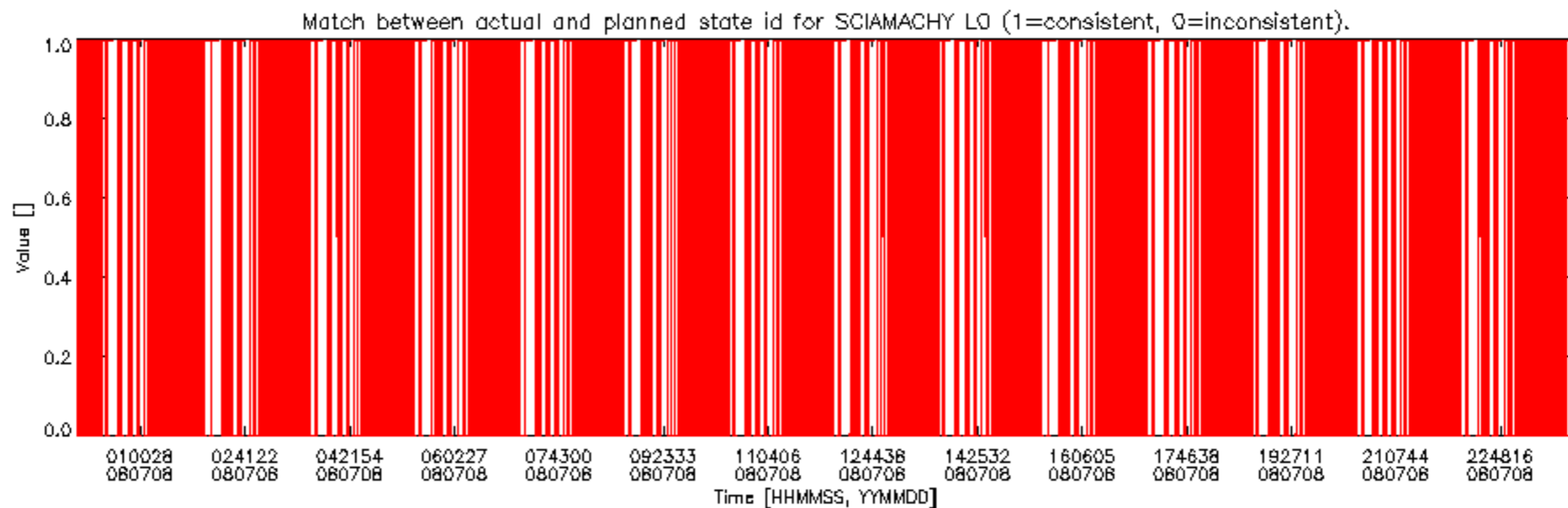
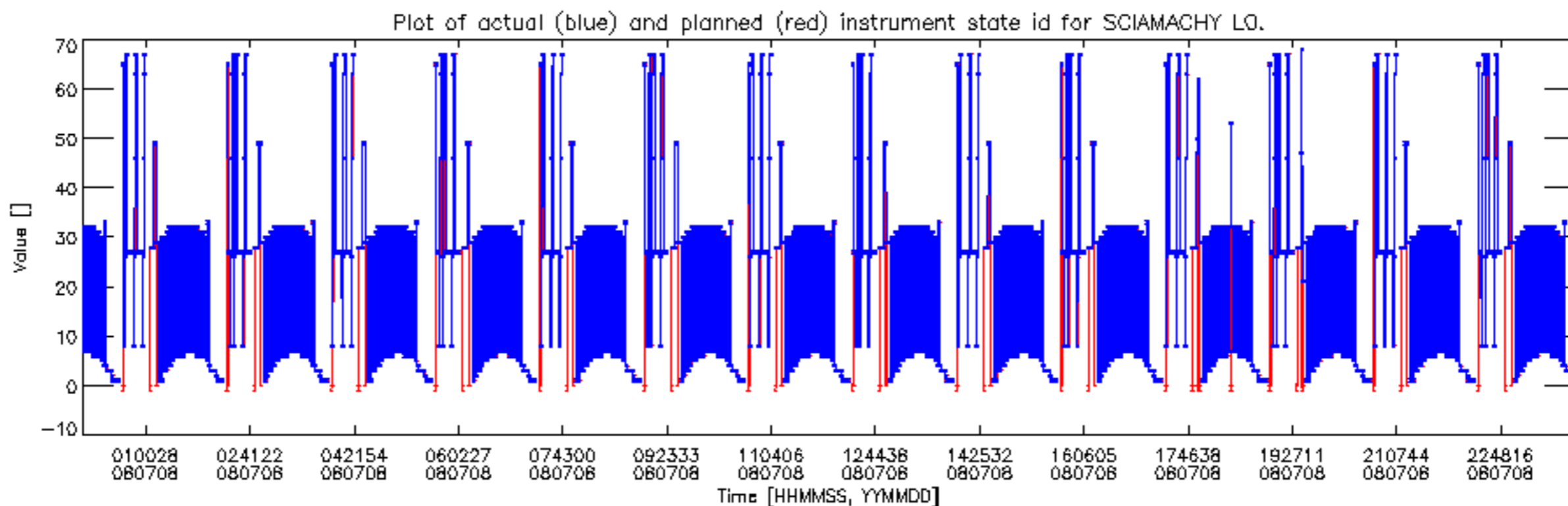




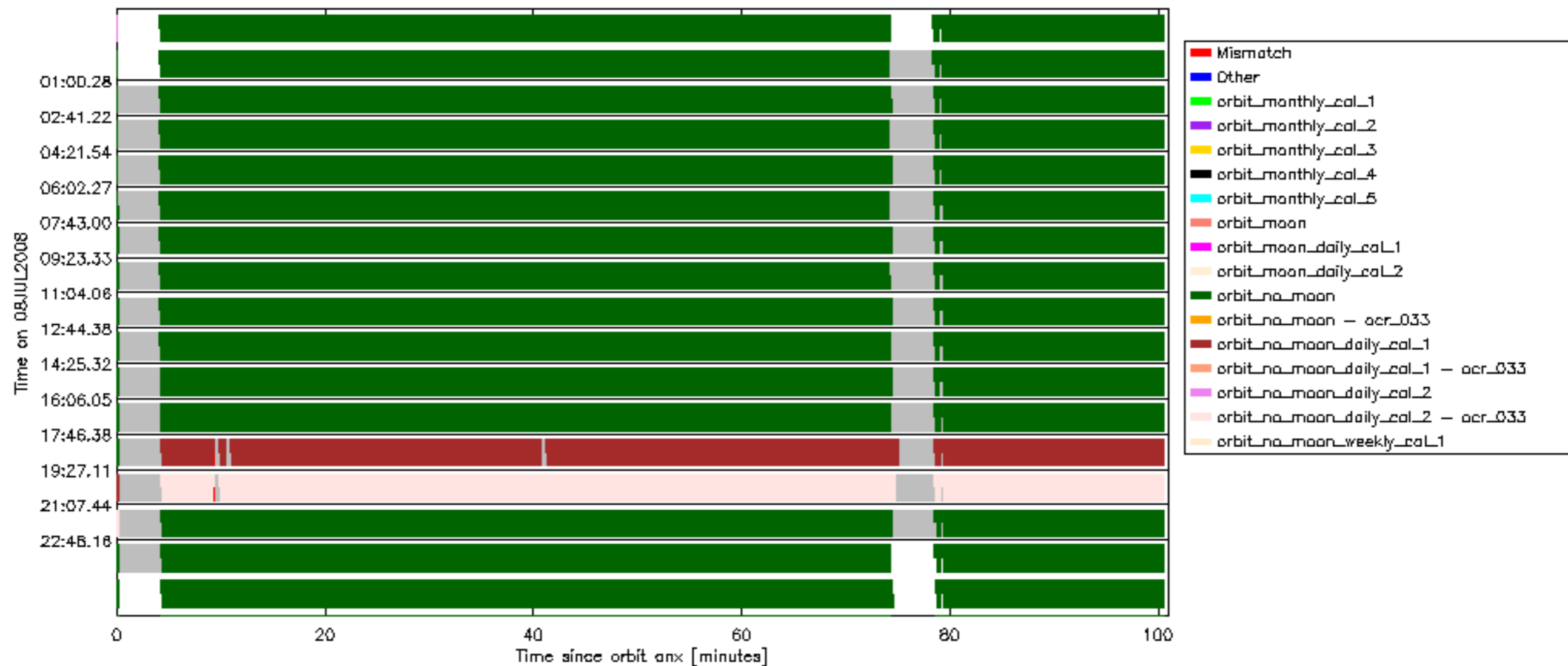


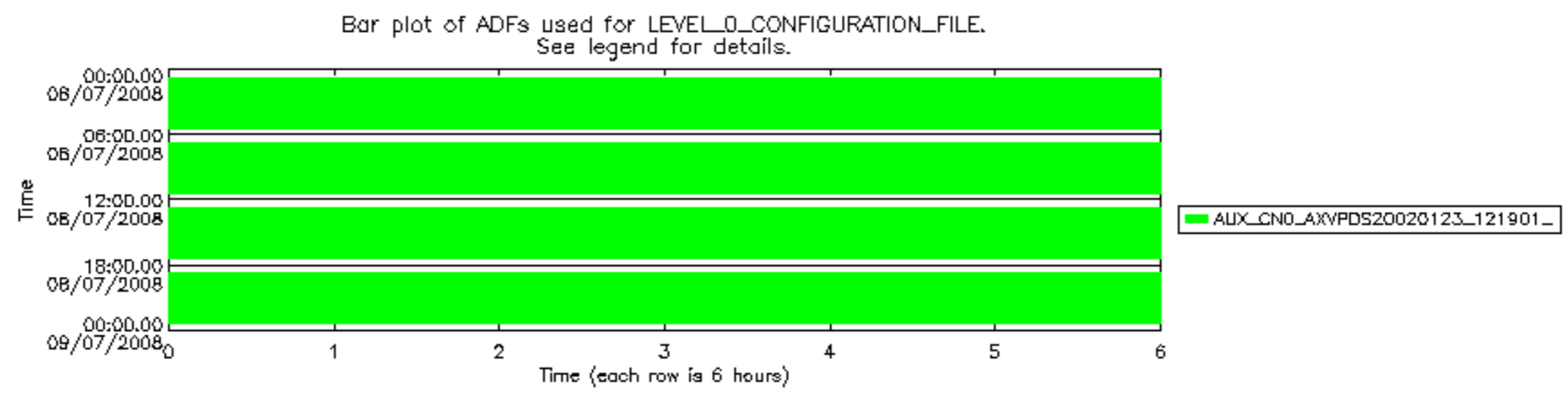






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
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

