

0. SCIAMACHY Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Product Quality Indicators](#)

[0.3 State monitoring](#)

[0.4 ADF monitoring](#)

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	12JUN2008 05:12:28
Data source version	KSPT_L0/4303-N
Processing scope for products	08JUN2008 00:00:00 to 09JUN2008 00:00:00
Start time of first product within scope	07JUN2008 23:51:39
Stop time of last product within scope	09JUN2008 01:01:35
Total number of level 0 products	16
Number of level 0 products with errors	0

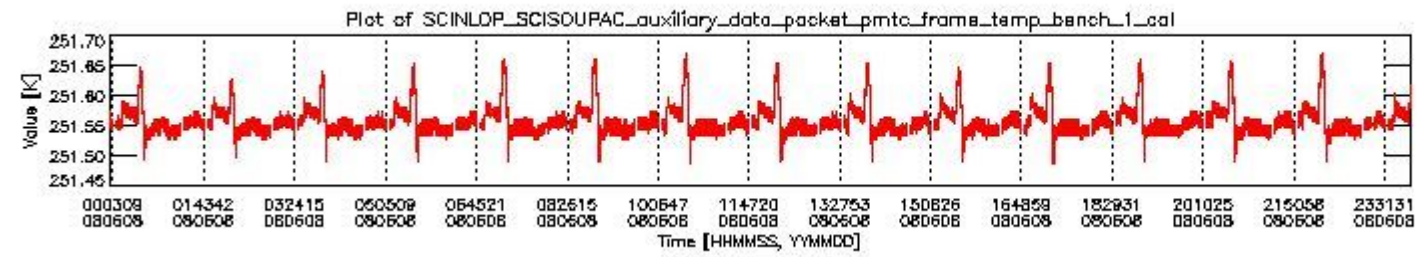
0.1.2 Summary per product

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

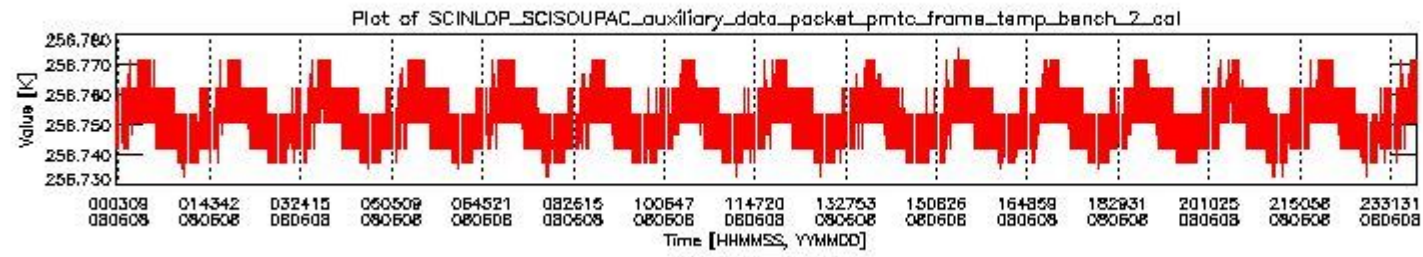
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080607_235139_000059162069_00173_32792_6924.N1	07JUN2008 23:51:39	08JUN2008 01:30:15	0	0	0	0	0
1	SCI_NL__OPNPDE20080608_012931_000047112069_00174_32793_6925.N1	08JUN2008 01:29:31	08JUN2008 02:48:02	0	0	0	0	0
2	SCI_NL__OPNPDE20080608_024654_000058992069_00175_32794_6926.N1	08JUN2008 02:46:54	08JUN2008 04:25:12	0	0	0	0	0
3	SCI_NL__OPNPDE20080608_042404_000061042069_00176_32795_6927.N1	08JUN2008 04:24:04	08JUN2008 06:05:48	0	0	0	0	0
4	SCI_NL__OPNPDK20080608_060548_000041012069_00177_32796_8428.N1	08JUN2008 06:05:48	08JUN2008 07:14:09	0	0	0	0	0
5	SCI_NL__OPNPDK20080608_071409_000061042069_00178_32797_8429.N1	08JUN2008 07:14:09	08JUN2008 08:55:53	0	0	0	0	0
6	SCI_NL__OPNPDK20080608_085457_000060232069_00179_32798_8430.N1	08JUN2008 08:54:57	08JUN2008 10:35:21	0	0	0	0	0
7	SCI_NL__OPNPDK20080608_103521_000059802069_00180_32799_8431.N1	08JUN2008 10:35:21	08JUN2008 12:15:00	0	0	0	0	0
8	SCI_NL__OPNPDK20080608_121405_000059672069_00181_32800_8432.N1	08JUN2008 12:14:05	08JUN2008 13:53:32	0	0	0	0	0
9	SCI_NL__OPNPDK20080608_135223_000059242069_00182_32801_8433.N1	08JUN2008 13:52:23	08JUN2008 15:31:07	0	0	0	0	0
10	SCI_NL__OPNPDK20080608_152959_000058852069_00183_32802_8434.N1	08JUN2008 15:29:59	08JUN2008 17:08:04	0	0	0	0	0
11	SCI_NL__OPNPDK20080608_170708_000060092069_00184_32803_8435.N1	08JUN2008 17:07:08	08JUN2008 18:47:17	0	0	0	0	0
12	SCI_NL__OPNPDK20080608_184621_000060082069_00185_32804_8436.N1	08JUN2008 18:46:21	08JUN2008 20:26:29	0	0	0	0	0
13	SCI_NL__OPNPDE20080608_202533_000043562069_00186_32805_6928.N1	08JUN2008 20:25:33	08JUN2008 21:38:09	0	0	0	0	0
14	SCI_NL__OPNPDE20080608_213725_000061992069_00186_32805_6929.N1	08JUN2008 21:37:25	08JUN2008 23:20:45	0	0	0	0	0
15	SCI_NL__OPNPDE20080608_232001_000060952069_00187_32806_6930.N1	08JUN2008 23:20:01	09JUN2008 01:01:35	0	0	0	0	0

0.2 Product Quality Indicators

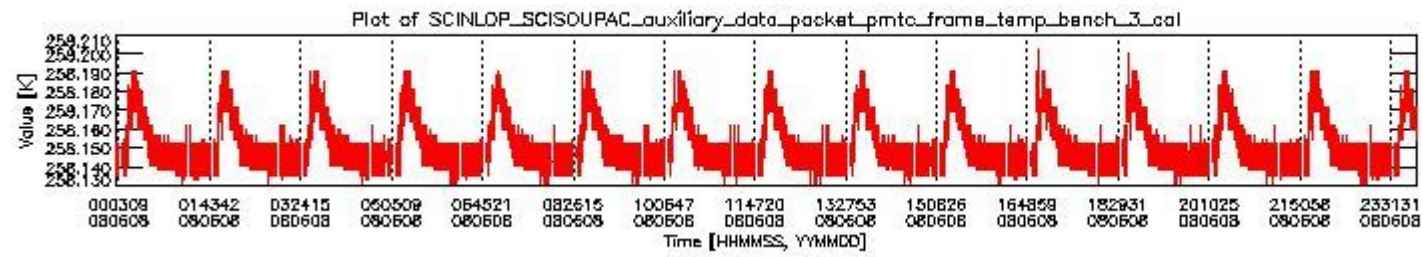
This section shows information about product quality, currently temperatures.



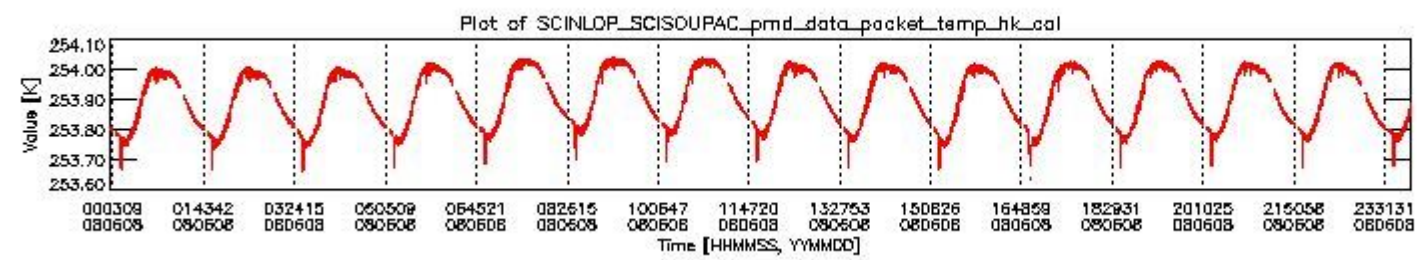
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080608_0.PNG



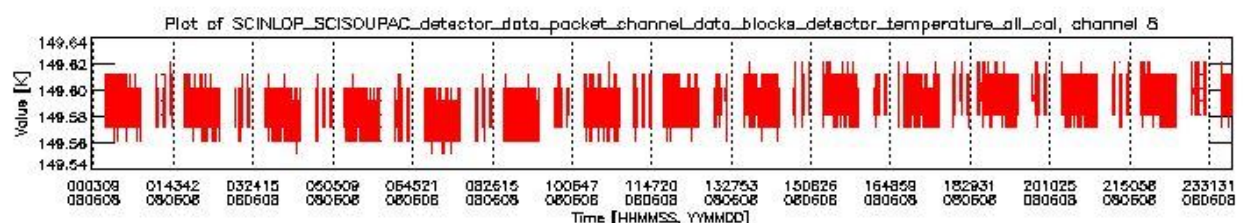
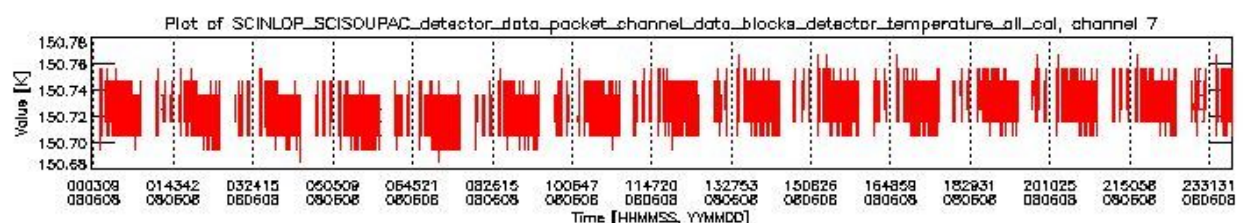
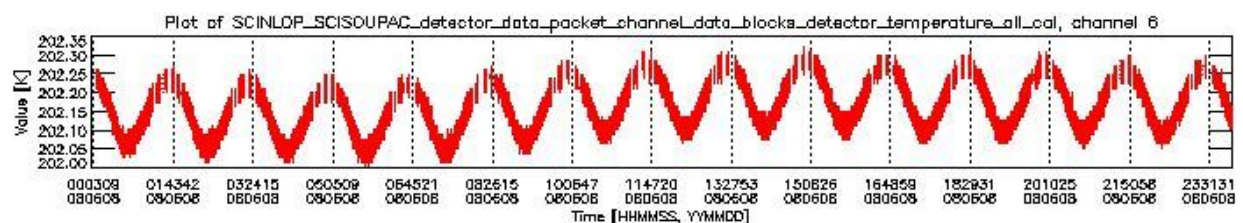
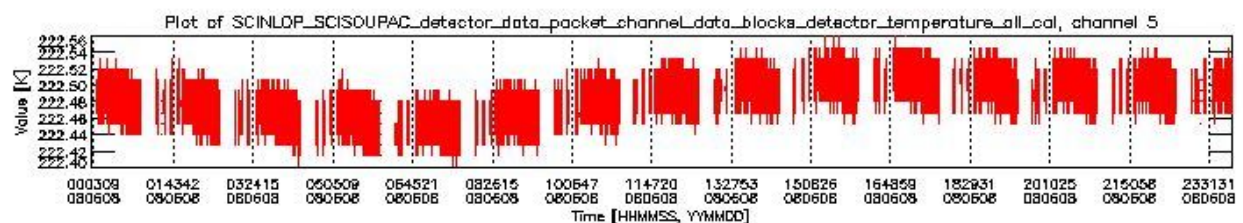
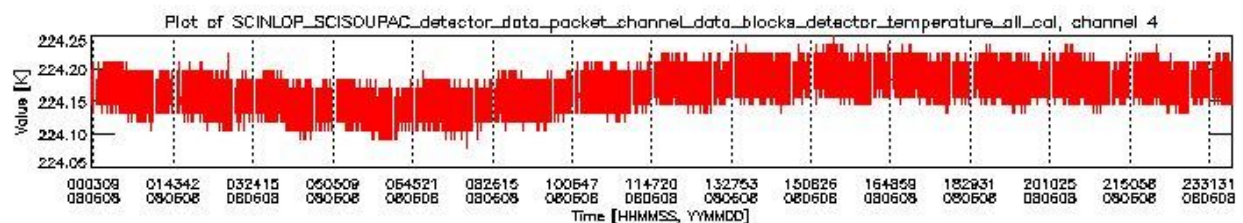
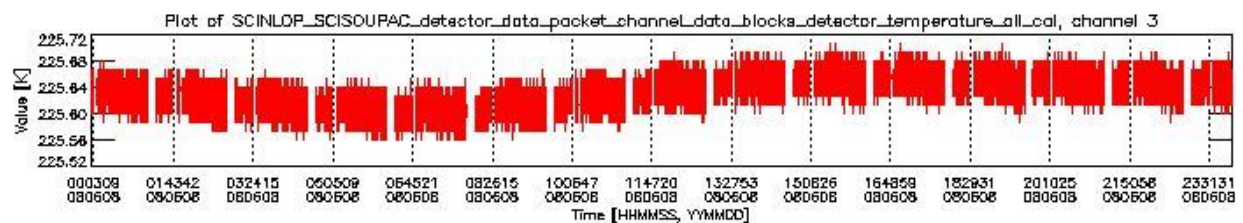
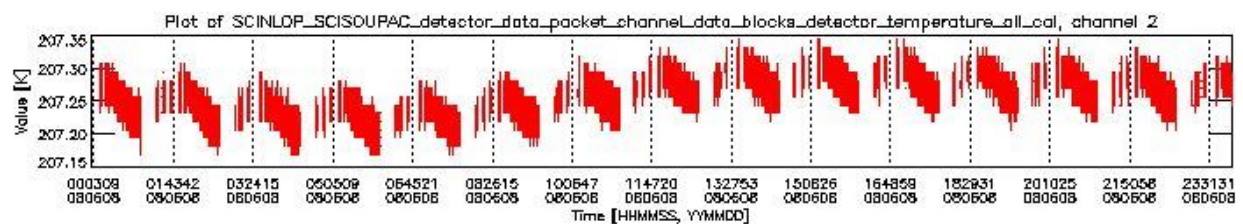
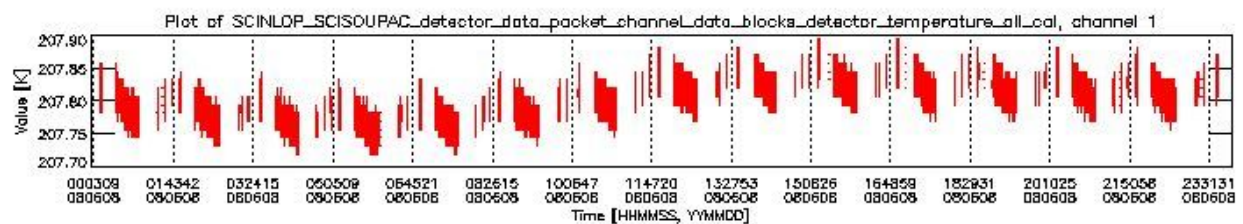
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080608_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080608_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080608_3.PNG

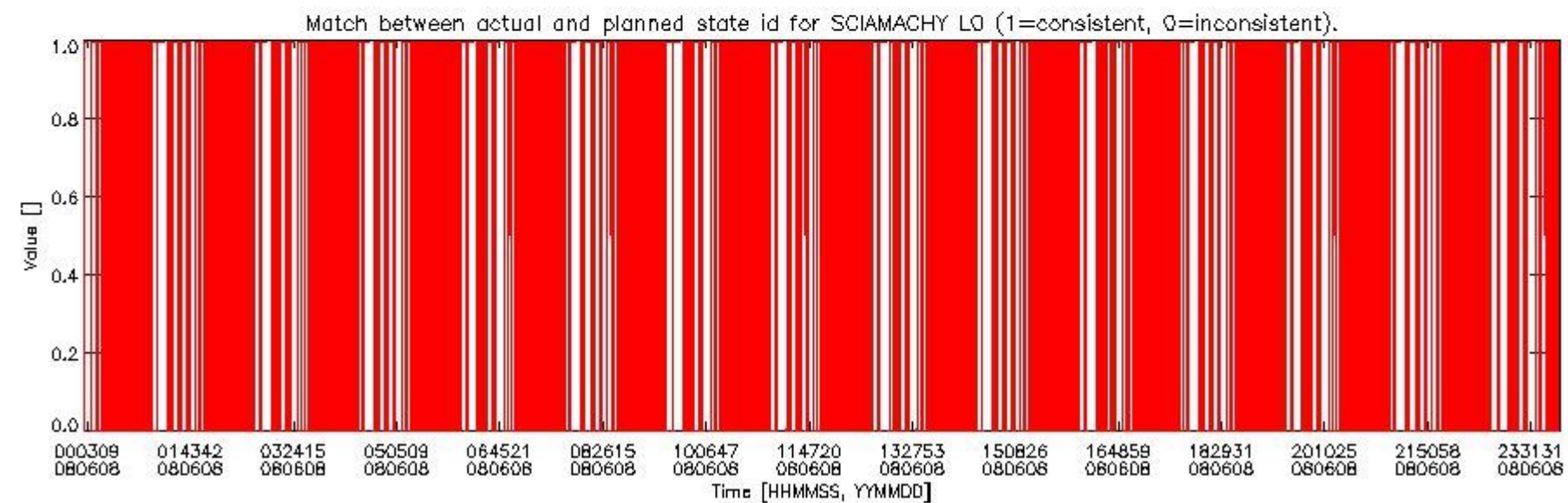
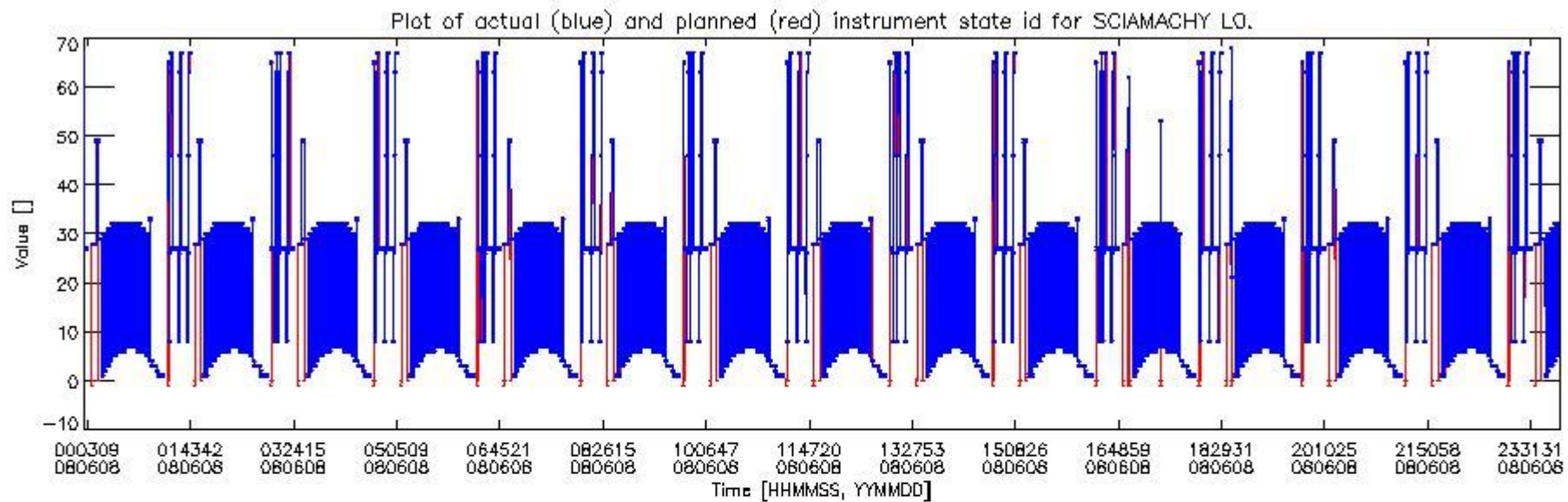


0.3 State monitoring

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: **33749**

#	Actual time	Actual value	Planned time	Planned value
0	08JUN2008 00:07:29.238360	28	08JUN2008 00:07:29.238360	0
1	08JUN2008 00:07:29.863341	28	08JUN2008 00:07:29.863341	0
2	08JUN2008 00:07:30.238355	28	08JUN2008 00:07:30.238355	0
3	08JUN2008 00:07:30.613327	28	08JUN2008 00:07:30.613327	0
4	08JUN2008 00:07:31.175827	28	08JUN2008 00:07:31.175827	0
5	08JUN2008 00:07:31.550840	28	08JUN2008 00:07:31.550840	0
6	08JUN2008 00:07:31.925853	28	08JUN2008 00:07:31.925853	0
7	08JUN2008 00:07:32.300826	28	08JUN2008 00:07:32.300826	0
8	08JUN2008 00:07:32.863325	28	08JUN2008 00:07:32.863325	0
9	08JUN2008 00:07:33.238338	28	08JUN2008 00:07:33.238338	0
10	08JUN2008 00:07:33.613351	28	08JUN2008 00:07:33.613351	0
11	08JUN2008 00:07:33.988324	28	08JUN2008 00:07:33.988324	0
12	08JUN2008 00:07:34.238333	28	08JUN2008 00:07:34.238333	0
13	08JUN2008 00:07:34.550824	28	08JUN2008 00:07:34.550824	0
14	08JUN2008 00:07:34.925837	28	08JUN2008 00:07:34.925837	0
15	08JUN2008 00:07:35.300850	28	08JUN2008 00:07:35.300850	0
16	08JUN2008 00:07:35.675822	28	08JUN2008 00:07:35.675822	0
17	08JUN2008 00:07:36.238322	28	08JUN2008 00:07:36.238322	0
18	08JUN2008 00:07:36.613335	28	08JUN2008 00:07:36.613335	0
19	08JUN2008 00:11:13.753980	49	08JUN2008 00:11:13.753980	28

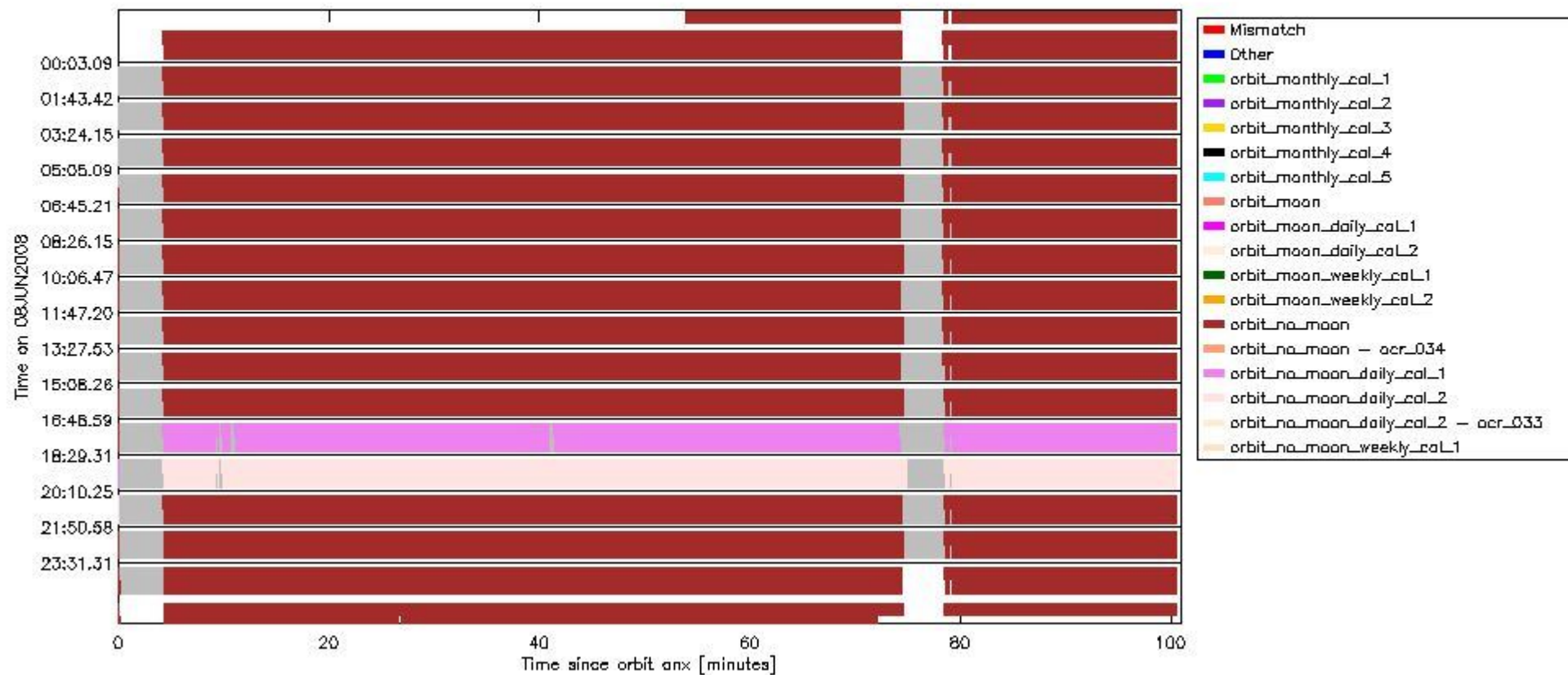


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080608_5.PNG

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 08JUN2008.
 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_20080608_6.PNG

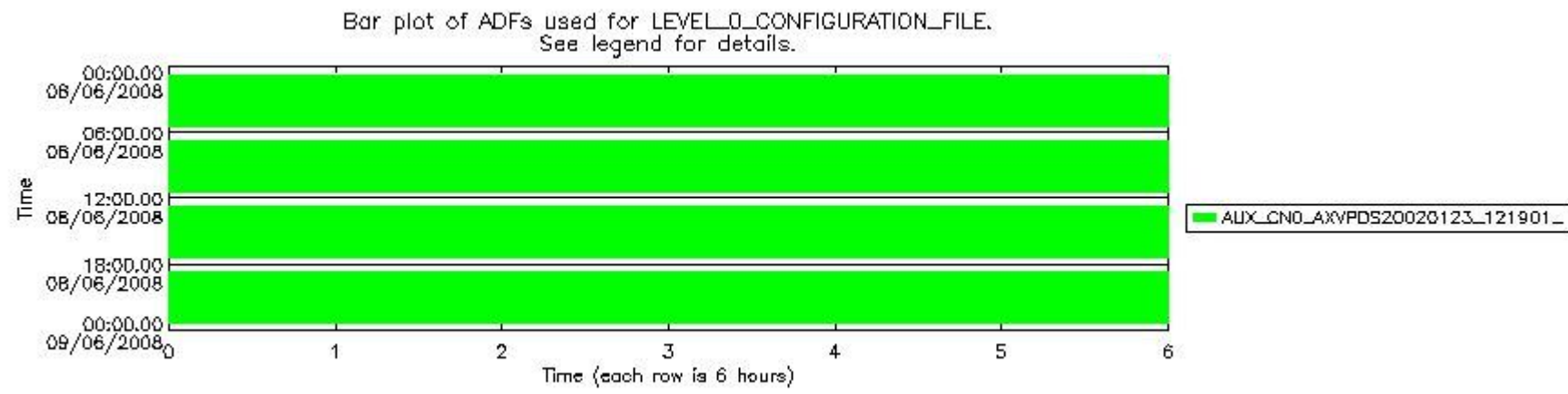
0.4 ADF monitoring

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

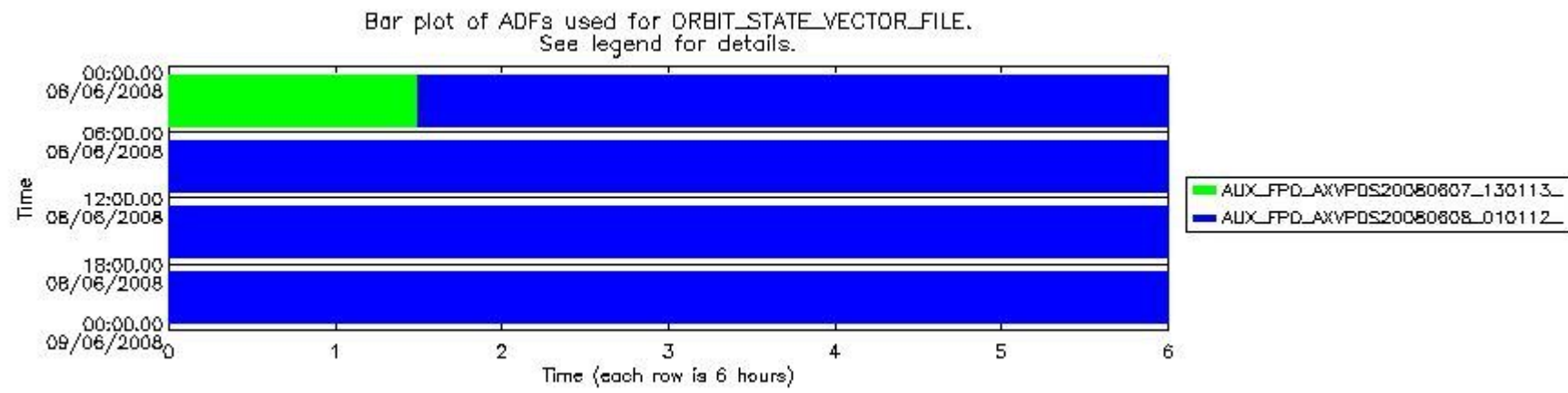
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

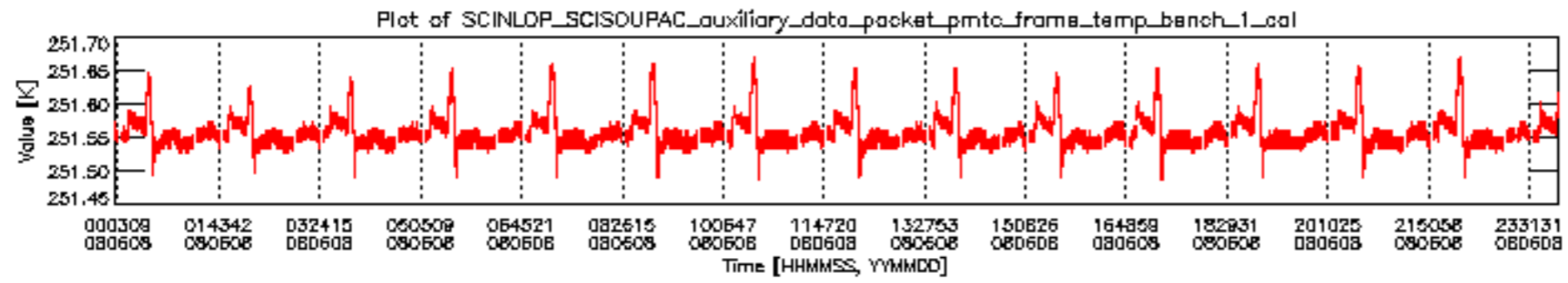
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080607_130113_20080606_193255_20080616_205909
2	AUX_FPO_AXVPDS20080608_010112_20080607_190118_20080617_202733

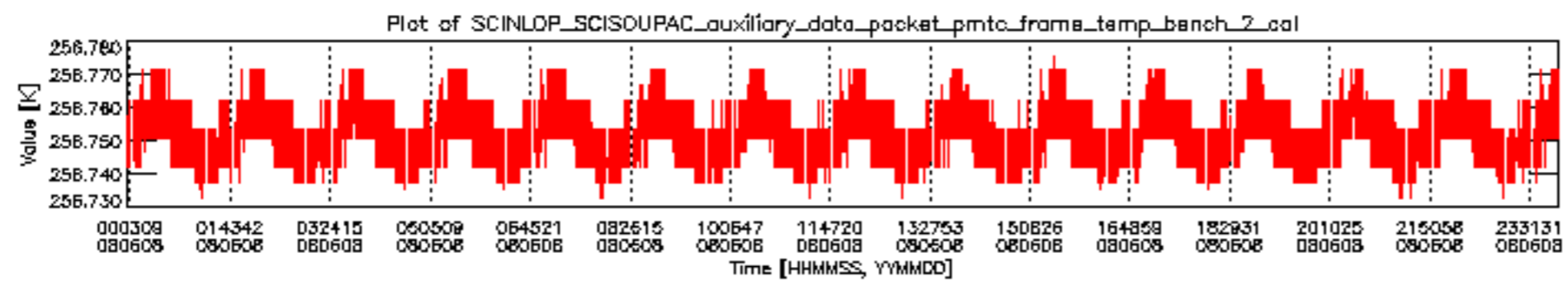


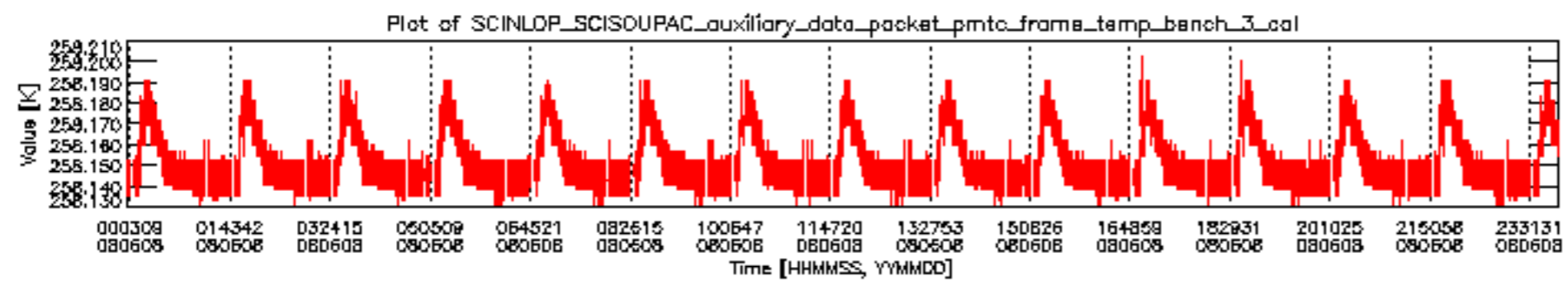
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080608_7.PNG

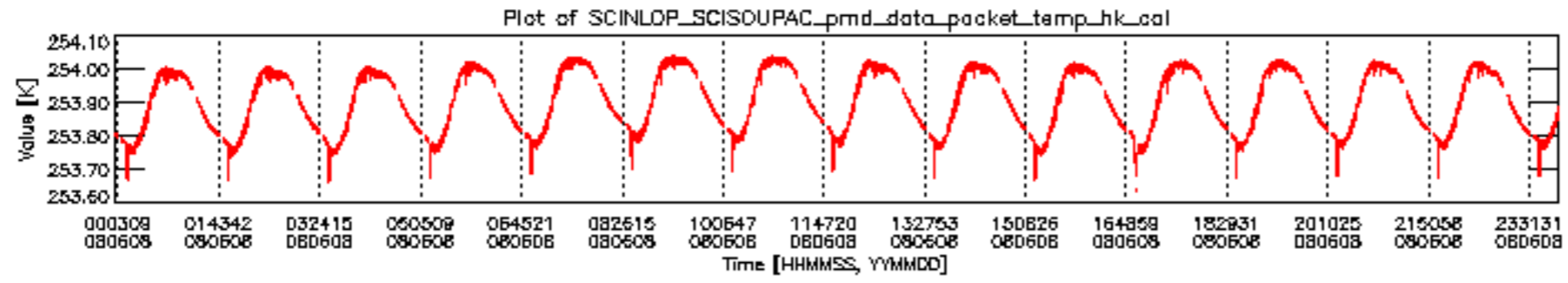


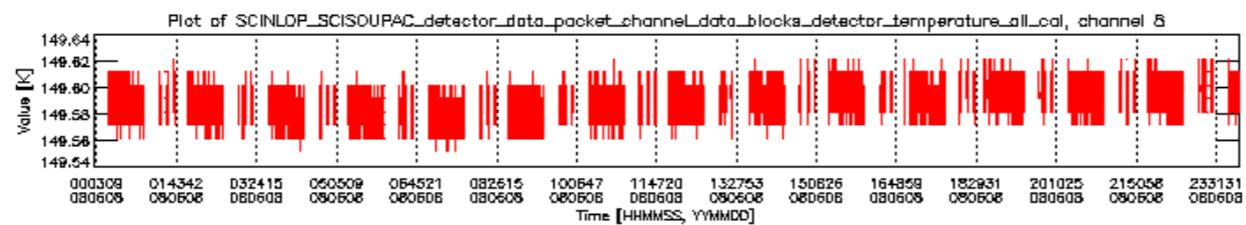
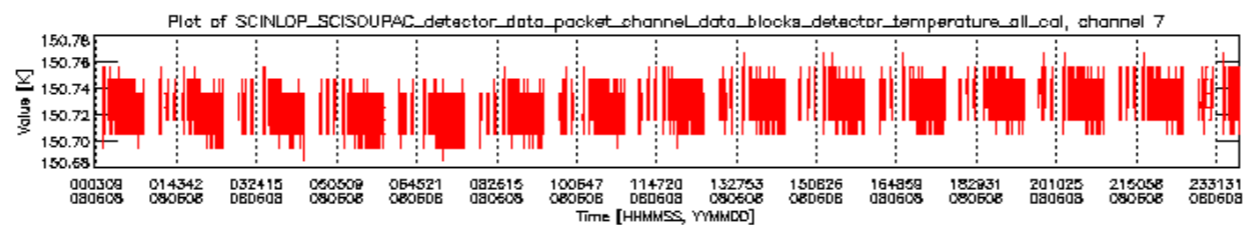
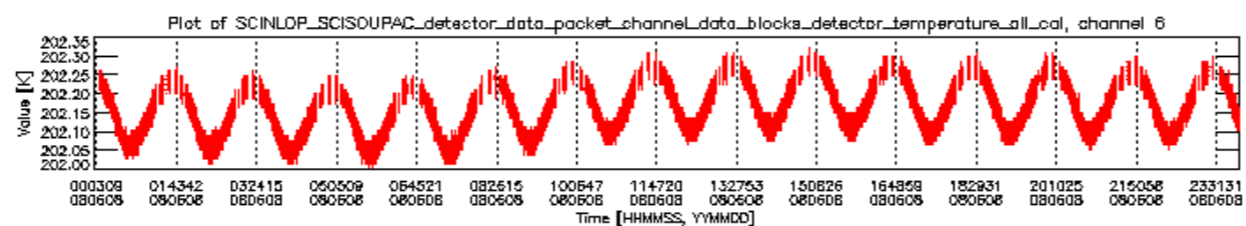
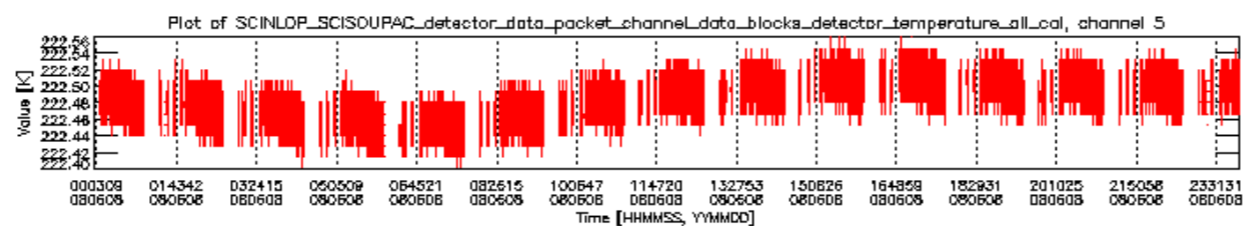
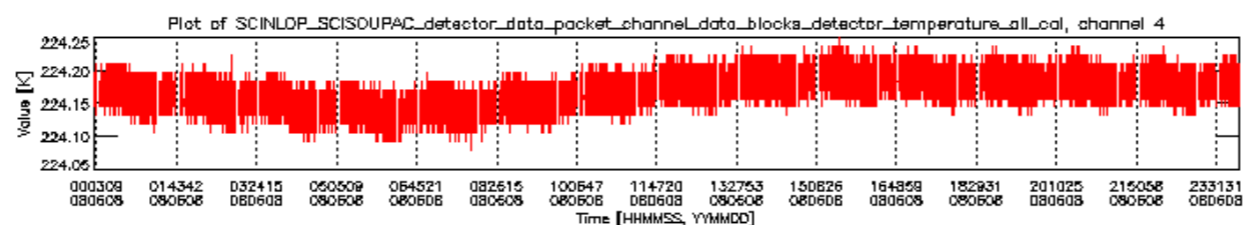
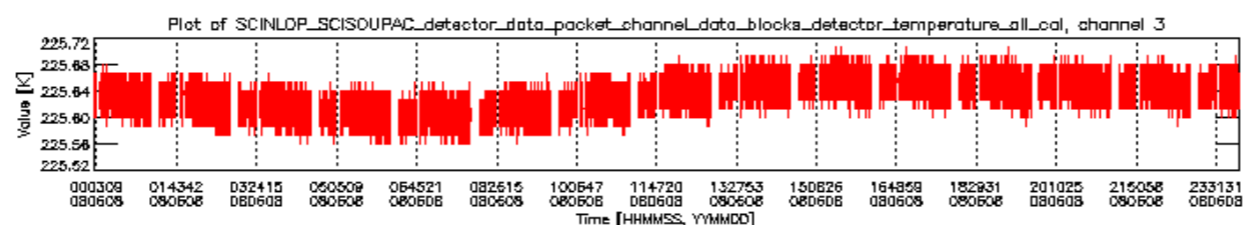
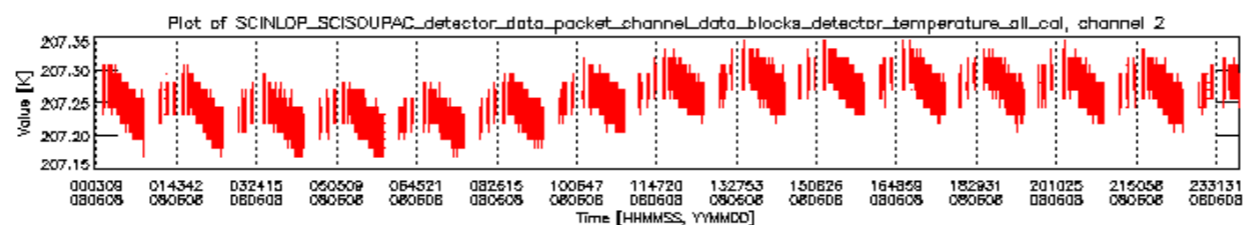
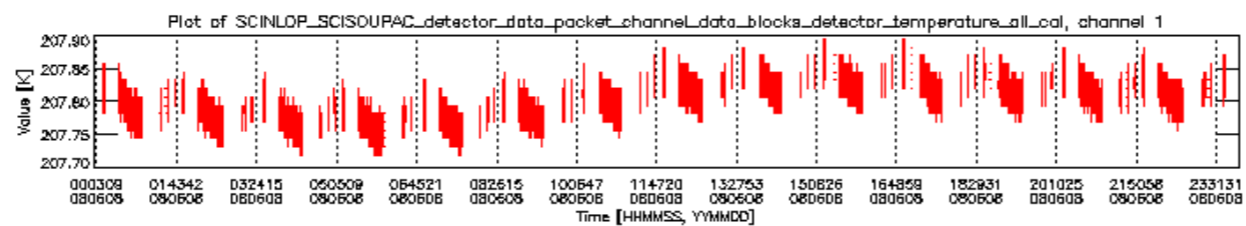
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080608_8.PNG

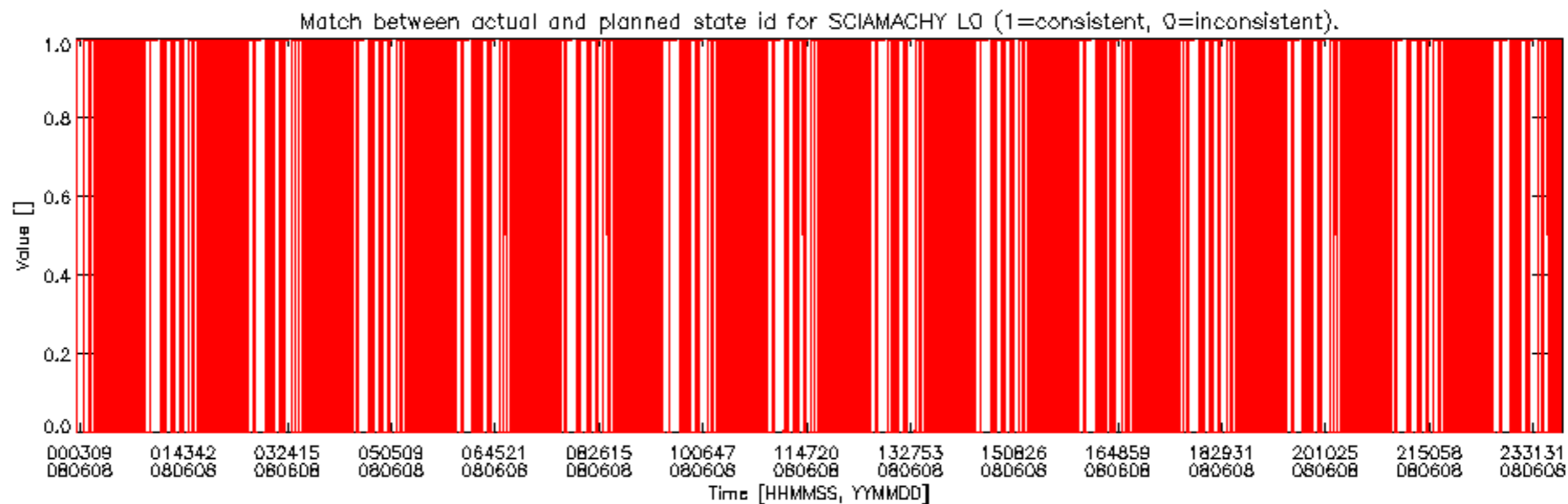
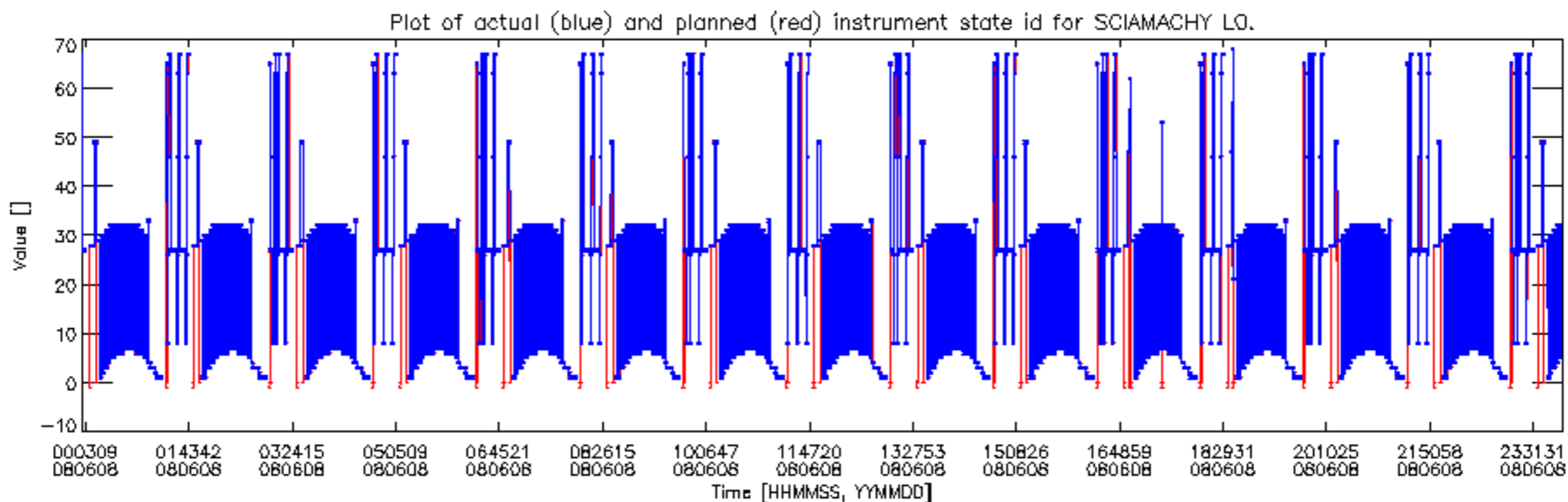




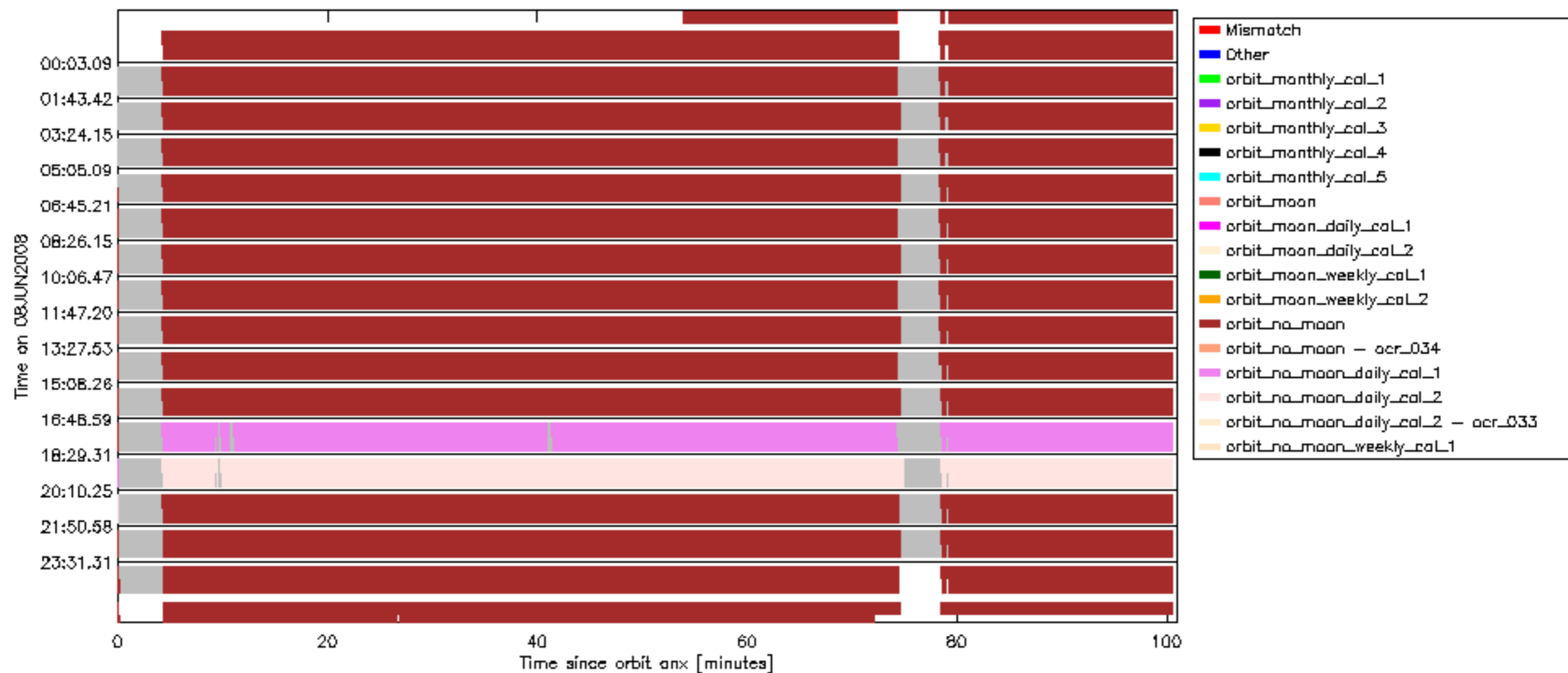


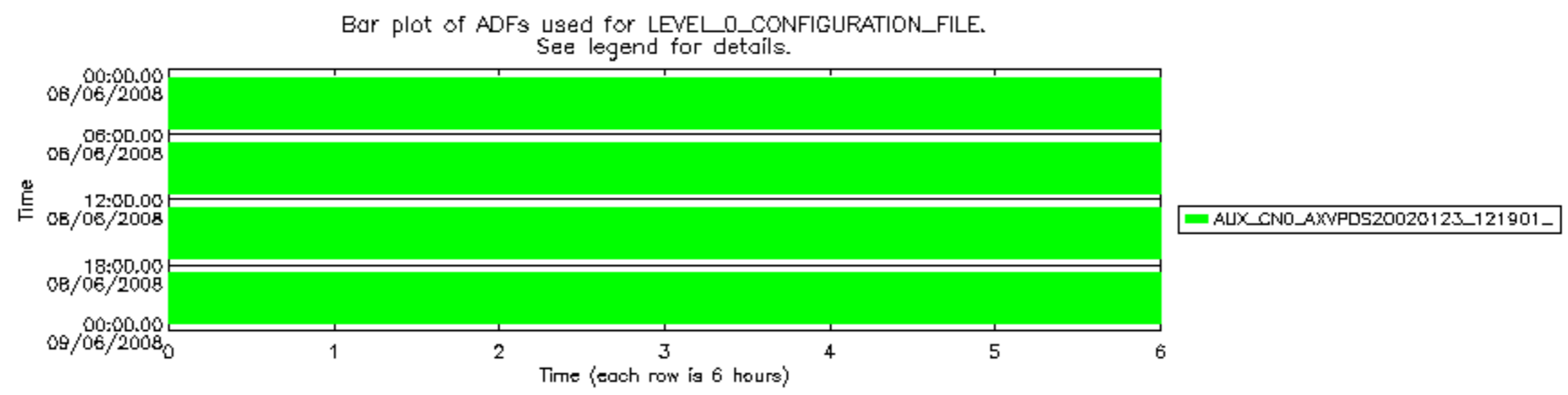






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
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

