

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	27JUL2008 04:49:37
Data source version	KSPT_L0/4303-N
Processing scope for products	23JUL2008 00:00:00 to 24JUL2008 00:00:00
Start time of first product within scope	22JUL2008 23:36:52
Stop time of last product within scope	24JUL2008 00:47:11
Total number of level 0 products	16
Number of level 0 products with errors	0

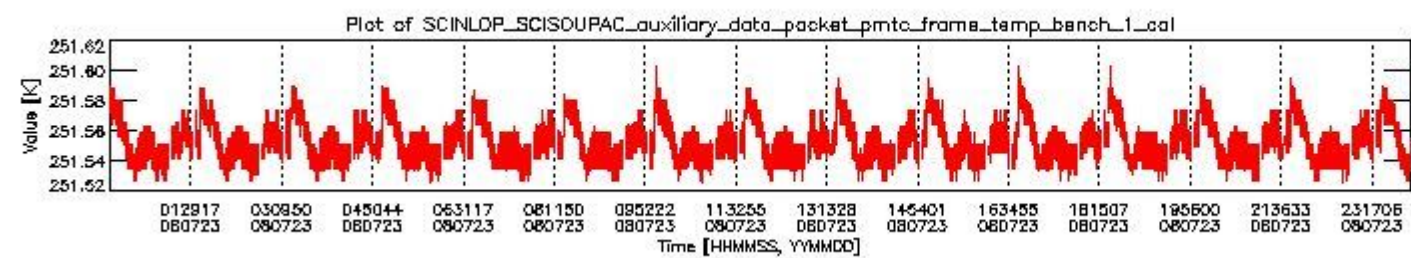
0.1.2 Summary per product

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

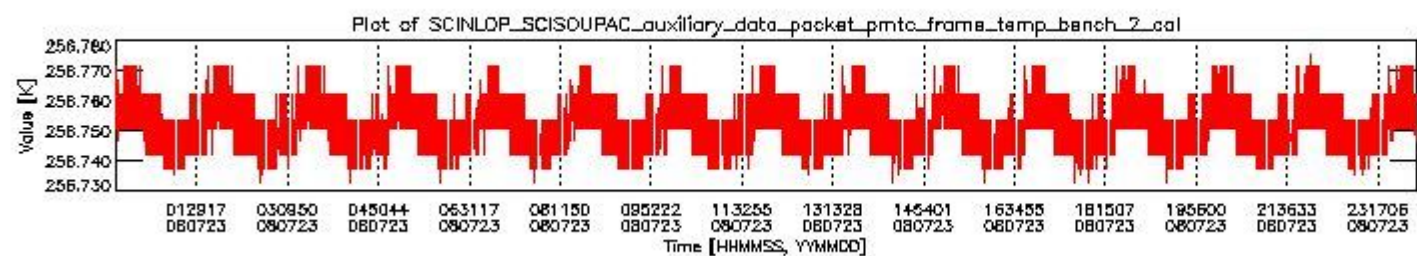
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080722_233652_000059842070_00316_33436_7161.N1	22JUL2008 23:36:52	23JUL2008 01:16:36	0	0	0	0	0
1	SCI_NL__OPNPDE20080723_011636_000045692070_00317_33437_7162.N1	23JUL2008 01:16:36	23JUL2008 02:32:45	0	0	0	0	0
2	SCI_NL__OPNPDE20080723_023245_000058562070_00318_33438_7163.N1	23JUL2008 02:32:45	23JUL2008 04:10:21	0	0	0	0	0
3	SCI_NL__OPNPDE20080723_041021_000060922070_00319_33439_7164.N1	23JUL2008 04:10:21	23JUL2008 05:51:53	0	0	0	0	0
4	SCI_NL__OPNPDE20080723_055045_000061732070_00320_33440_7165.N1	23JUL2008 05:50:45	23JUL2008 07:33:38	0	0	0	0	0
5	SCI_NL__OPNPDK20080723_073338_000039082070_00321_33441_8839.N1	23JUL2008 07:33:38	23JUL2008 08:38:46	0	0	0	0	0
6	SCI_NL__OPNPDK20080723_083750_000061612070_00322_33442_8840.N1	23JUL2008 08:37:50	23JUL2008 10:20:31	0	0	0	0	0
7	SCI_NL__OPNPDK20080723_101935_000060232070_00323_33443_8841.N1	23JUL2008 10:19:35	23JUL2008 11:59:59	0	0	0	0	0
8	SCI_NL__OPNPDK20080723_115903_000060362070_00324_33444_8842.N1	23JUL2008 11:59:03	23JUL2008 13:39:39	0	0	0	0	0
9	SCI_NL__OPNPDK20080723_133843_000058992070_00325_33445_8843.N1	23JUL2008 13:38:43	23JUL2008 15:17:02	0	0	0	0	0
10	SCI_NL__OPNPDK20080723_151702_000058562070_00326_33446_8844.N1	23JUL2008 15:17:02	23JUL2008 16:54:38	0	0	0	0	0
11	SCI_NL__OPNPDK20080723_165438_000059292070_00327_33447_8845.N1	23JUL2008 16:54:38	23JUL2008 18:33:27	0	0	0	0	0
12	SCI_NL__OPNPDK20080723_183122_000060362070_00328_33448_8846.N1	23JUL2008 18:31:22	23JUL2008 20:11:59	0	0	0	0	0
13	SCI_NL__OPNPDE20080723_200954_000044372070_00329_33449_7166.N1	23JUL2008 20:09:54	23JUL2008 21:23:51	0	0	0	0	0
14	SCI_NL__OPNPDE20080723_212230_000061692070_00329_33449_7167.N1	23JUL2008 21:22:30	23JUL2008 23:05:19	0	0	0	0	0
15	SCI_NL__OPNPDE20080723_230351_000062002070_00330_33450_7168.N1	23JUL2008 23:03:51	24JUL2008 00:47:11	0	0	0	0	0

0.2 Product Quality Indicators

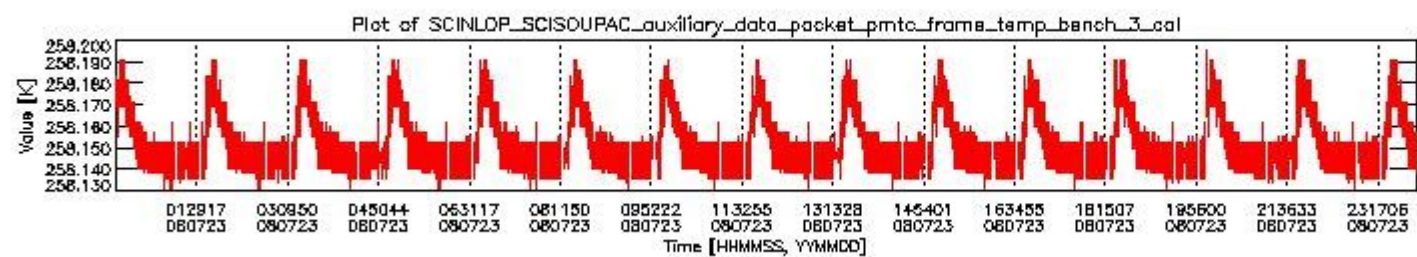
This section shows information about product quality, currently temperatures.



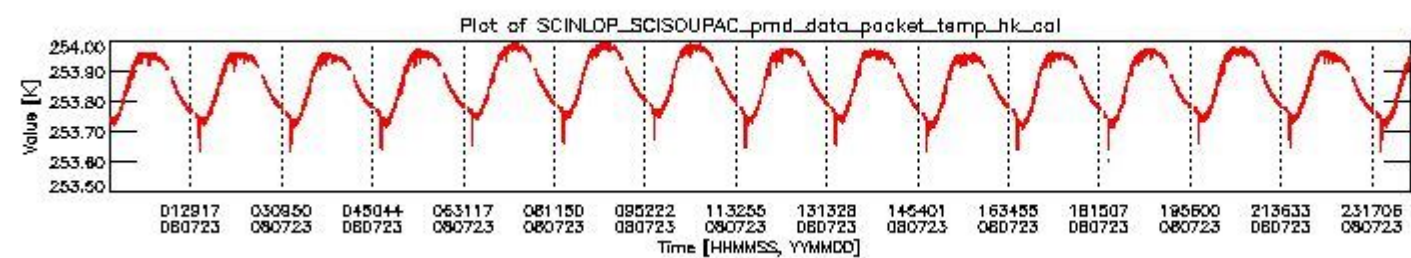
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080723_0.PNG



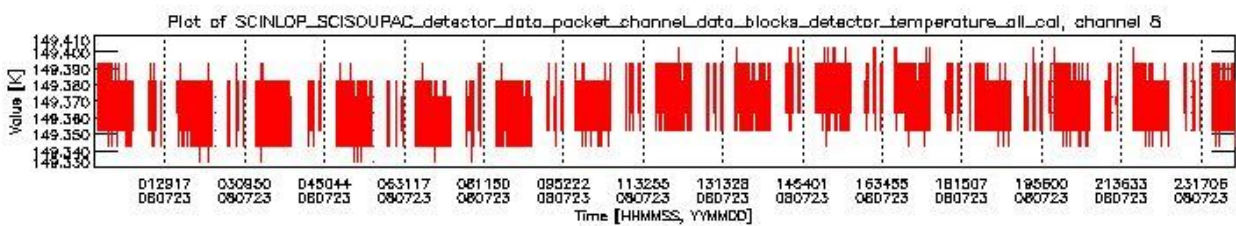
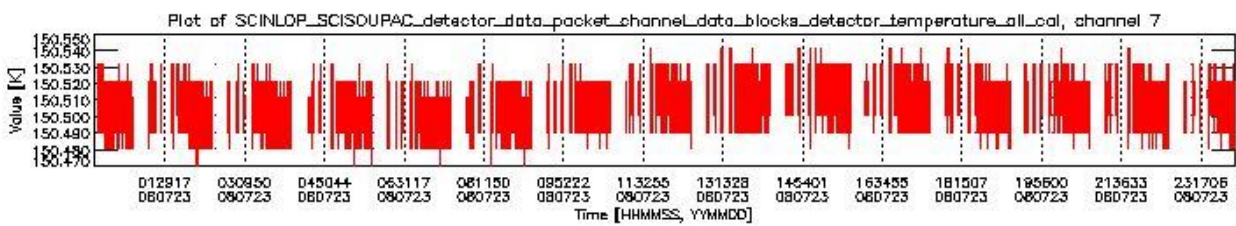
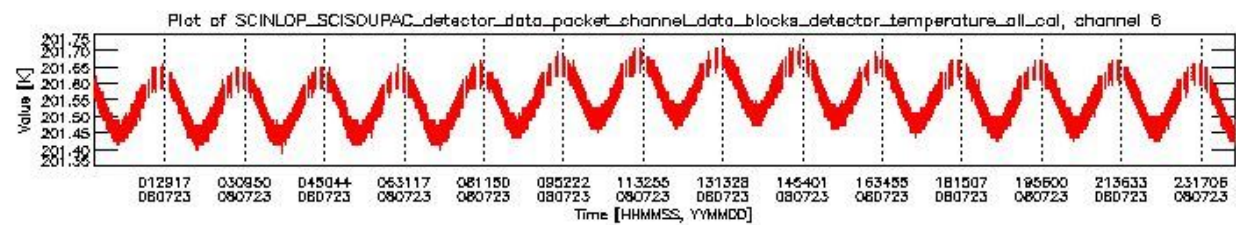
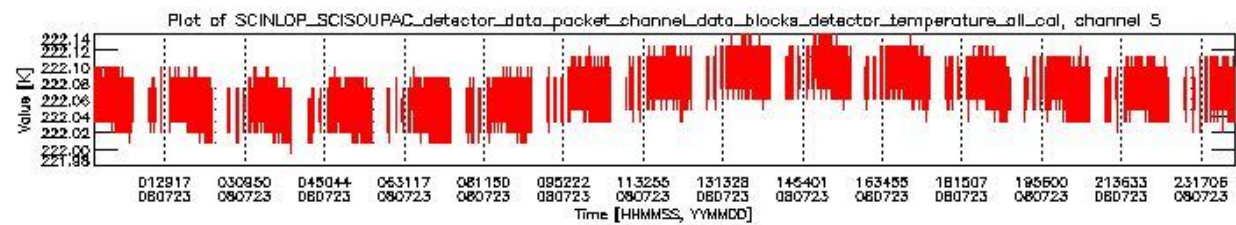
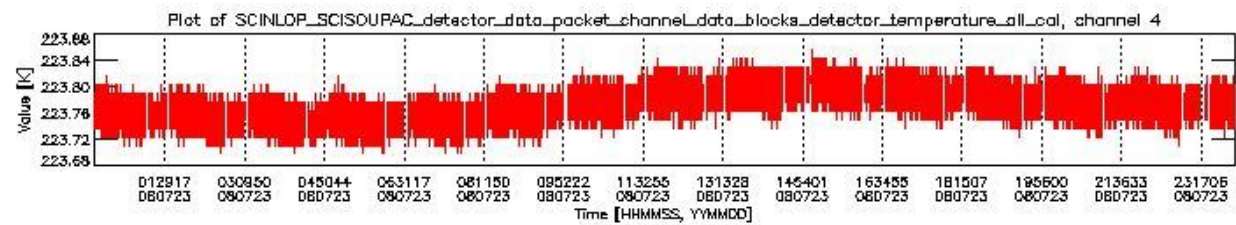
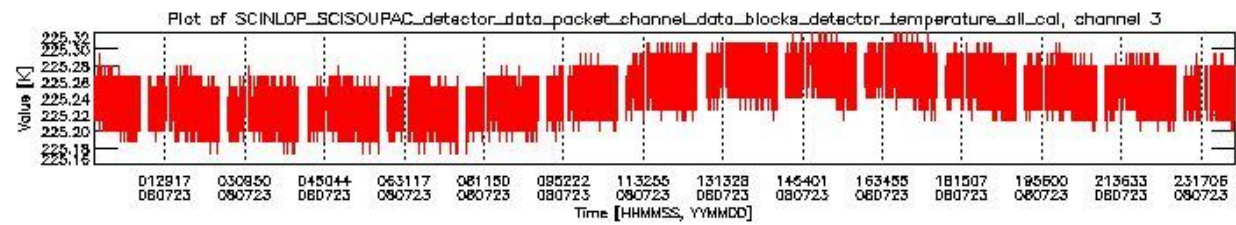
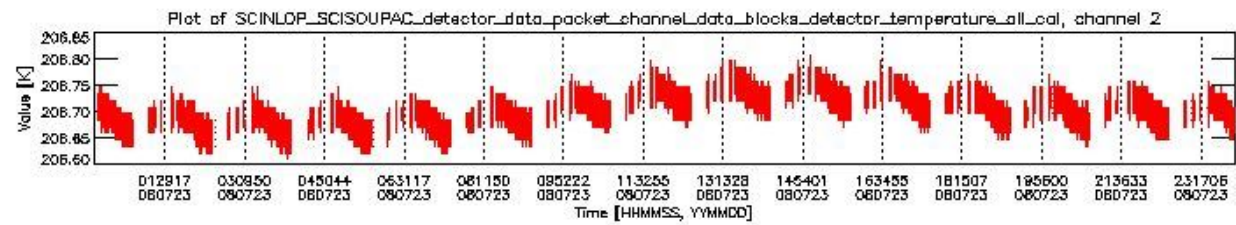
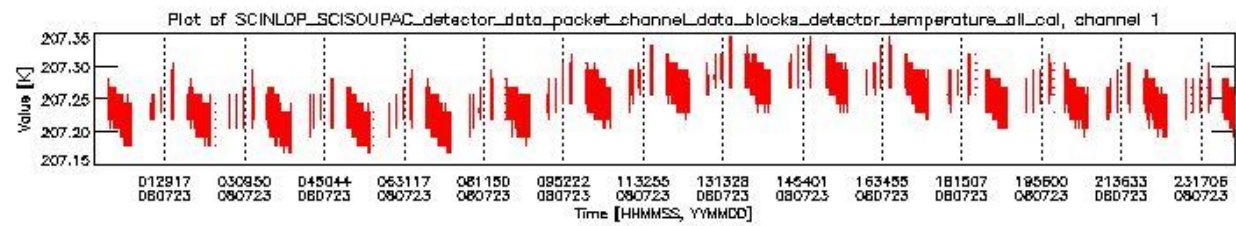
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080723_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080723_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080723_3.PNG

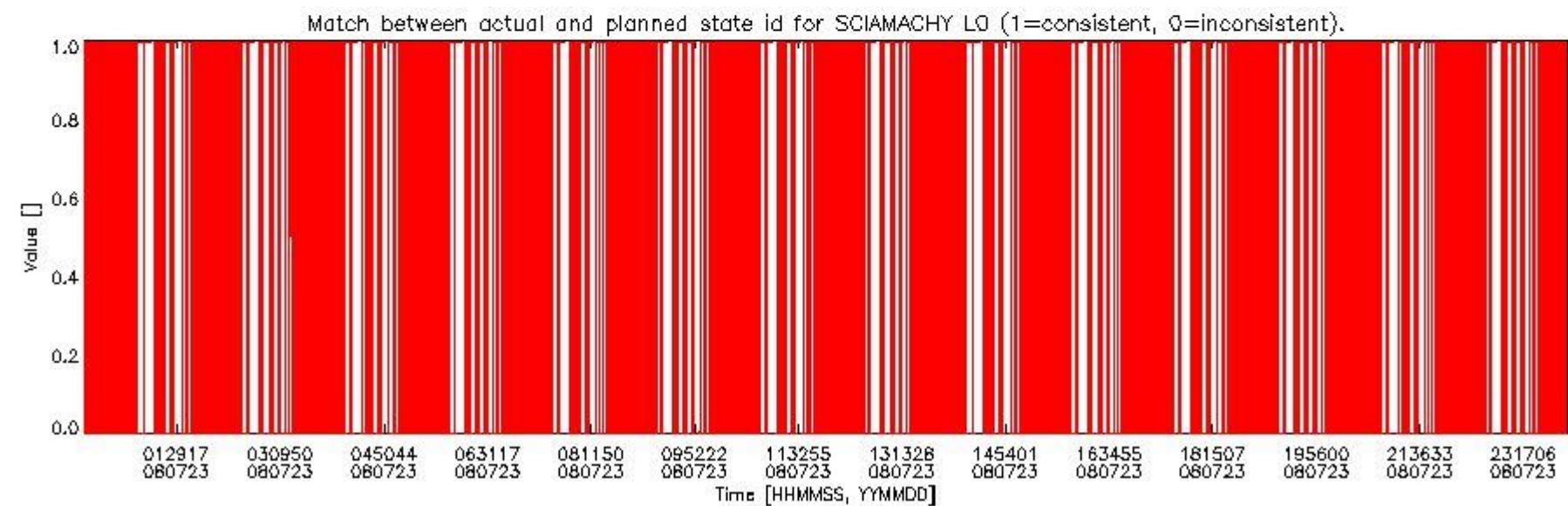
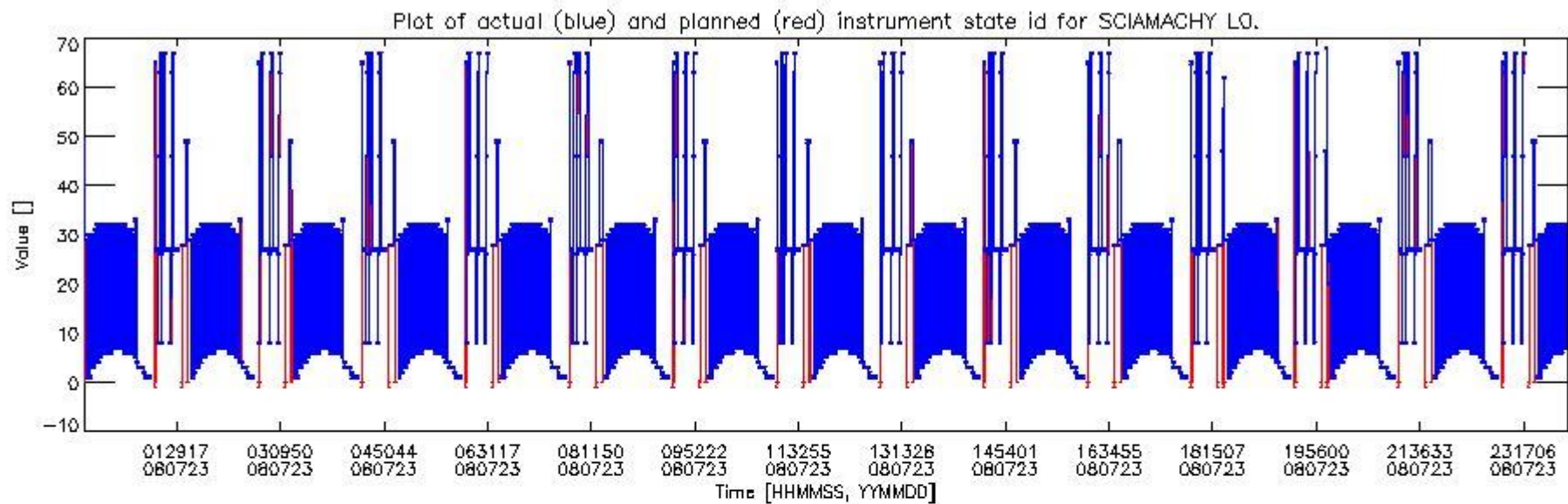


0.3 State monitoring

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: **30795**

#	Actual time	Actual value	Planned time	Planned value
0	23JUL2008 00:02:23.536498	1	23JUL2008 00:02:23.536498	29
1	23JUL2008 00:02:23.786466	1	23JUL2008 00:02:23.786466	29
2	23JUL2008 00:02:23.911470	1	23JUL2008 00:02:23.911470	29
3	23JUL2008 00:02:24.036475	1	23JUL2008 00:02:24.036475	29
4	23JUL2008 00:02:24.161479	1	23JUL2008 00:02:24.161479	29
5	23JUL2008 00:02:24.286484	1	23JUL2008 00:02:24.286484	29
6	23JUL2008 00:02:24.411488	1	23JUL2008 00:02:24.411488	29
7	23JUL2008 00:02:24.536492	1	23JUL2008 00:02:24.536492	29
8	23JUL2008 00:02:24.661497	1	23JUL2008 00:02:24.661497	29
9	23JUL2008 00:02:24.786501	1	23JUL2008 00:02:24.786501	29
10	23JUL2008 00:02:24.911465	1	23JUL2008 00:02:24.911465	29
11	23JUL2008 00:02:25.036469	1	23JUL2008 00:02:25.036469	29
12	23JUL2008 00:02:25.161474	1	23JUL2008 00:02:25.161474	29
13	23JUL2008 00:02:25.286478	1	23JUL2008 00:02:25.286478	29
14	23JUL2008 00:02:25.411482	1	23JUL2008 00:02:25.411482	29
15	23JUL2008 00:02:25.536487	1	23JUL2008 00:02:25.536487	29
16	23JUL2008 00:02:25.661491	1	23JUL2008 00:02:25.661491	29
17	23JUL2008 00:02:25.786496	1	23JUL2008 00:02:25.786496	29
18	23JUL2008 00:02:25.911500	1	23JUL2008 00:02:25.911500	29
19	23JUL2008 00:02:26.036464	1	23JUL2008 00:02:26.036464	29

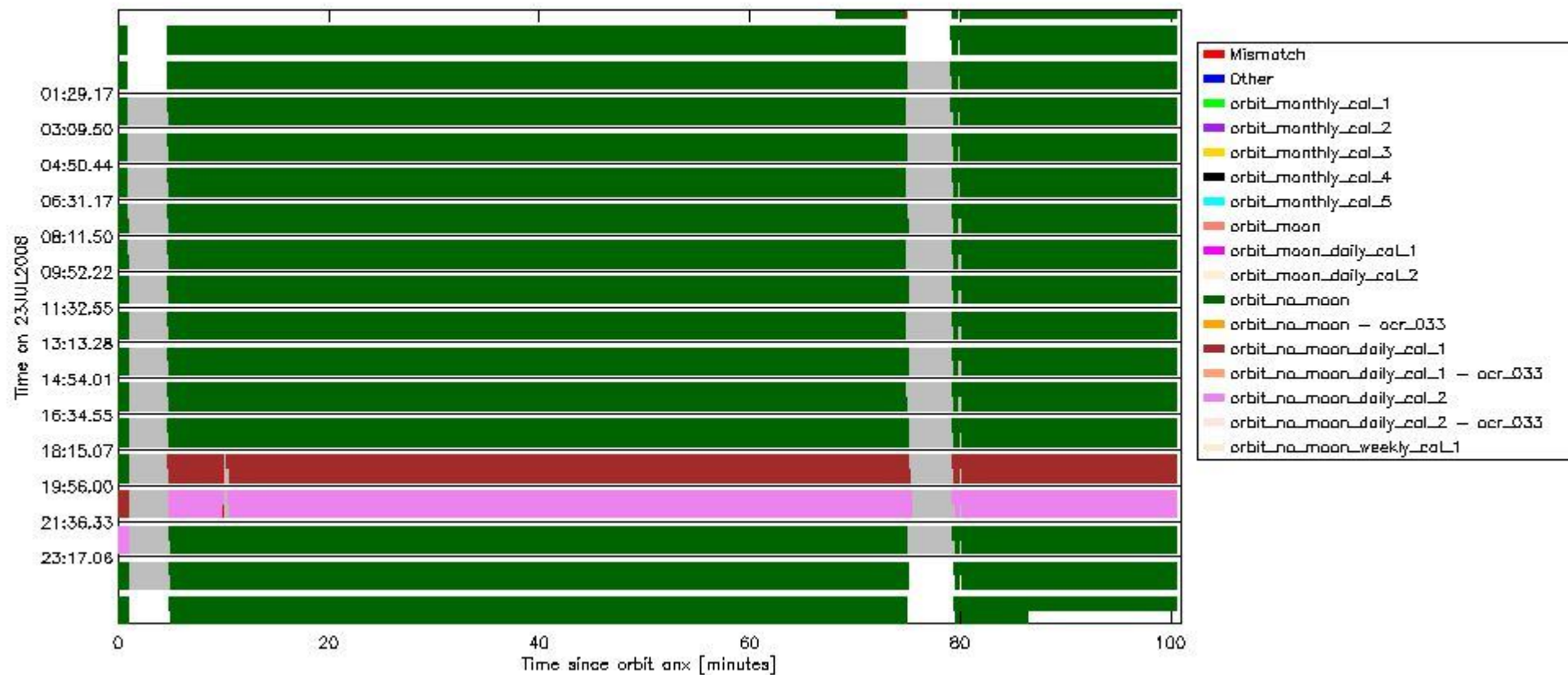


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080723_5.PNG

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 23JUL2008.
 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_20080723_6.PNG

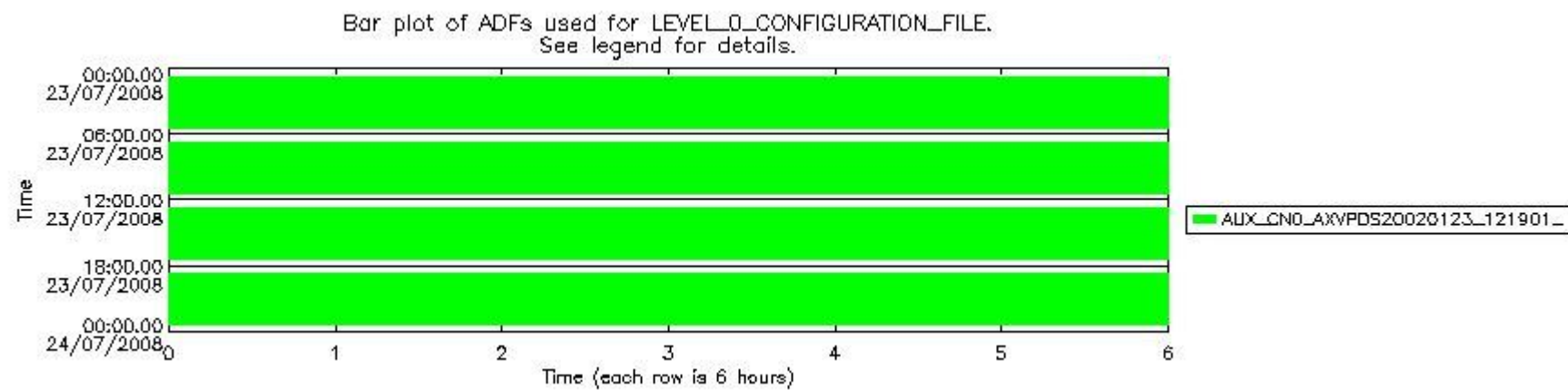
0.4 ADF monitoring

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

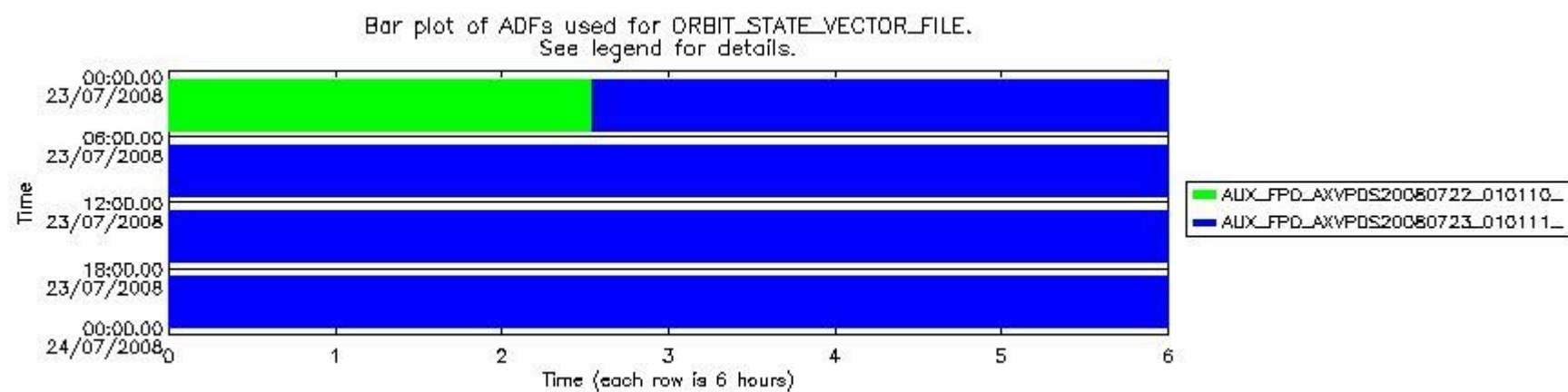
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

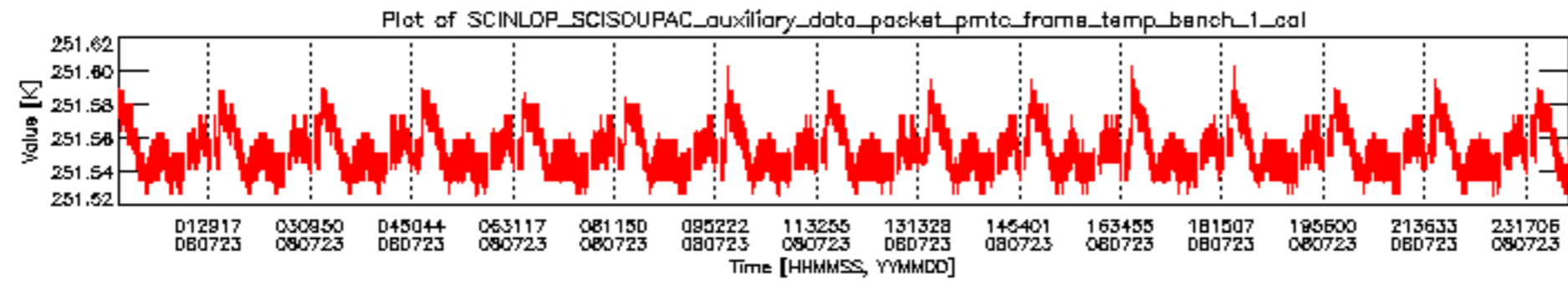
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080722_010110_20080721_191835_20080731_204448
2	AUX_FPO_AXVPDS20080723_010111_20080722_184657_20080801_201311

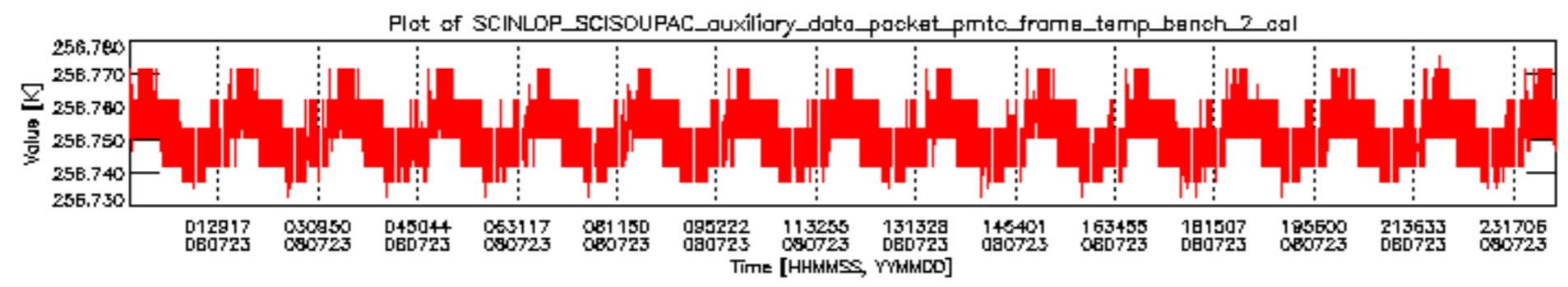


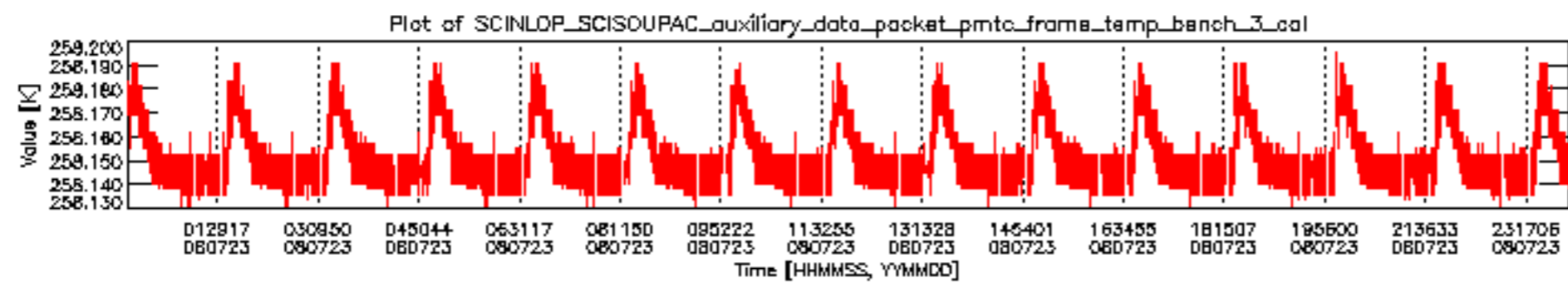
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080723_7.PNG

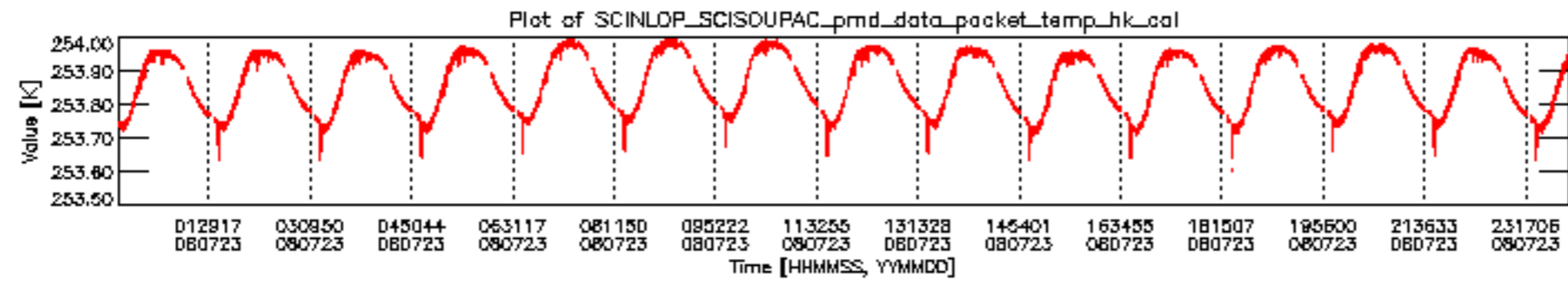


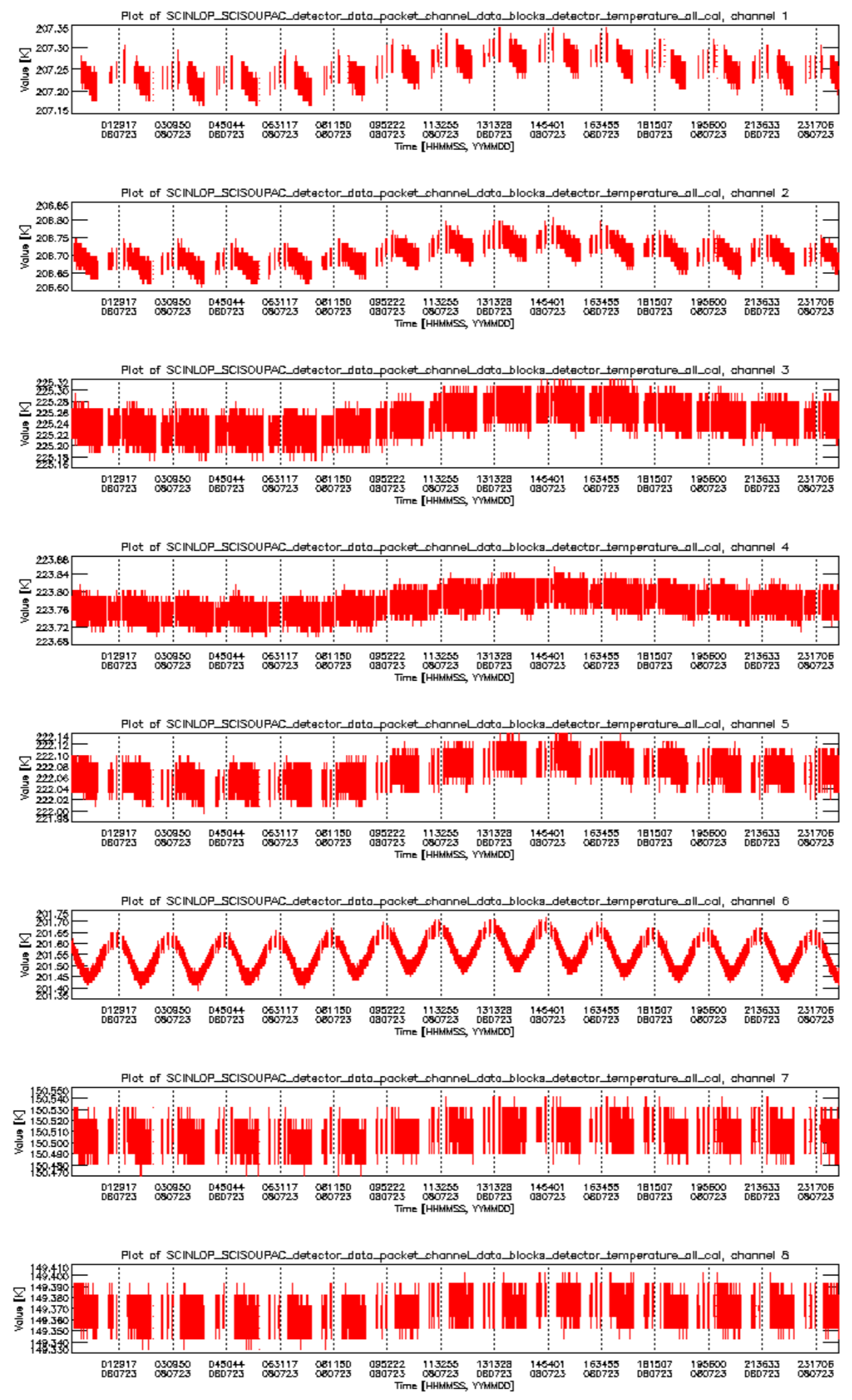
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080723_8.PNG

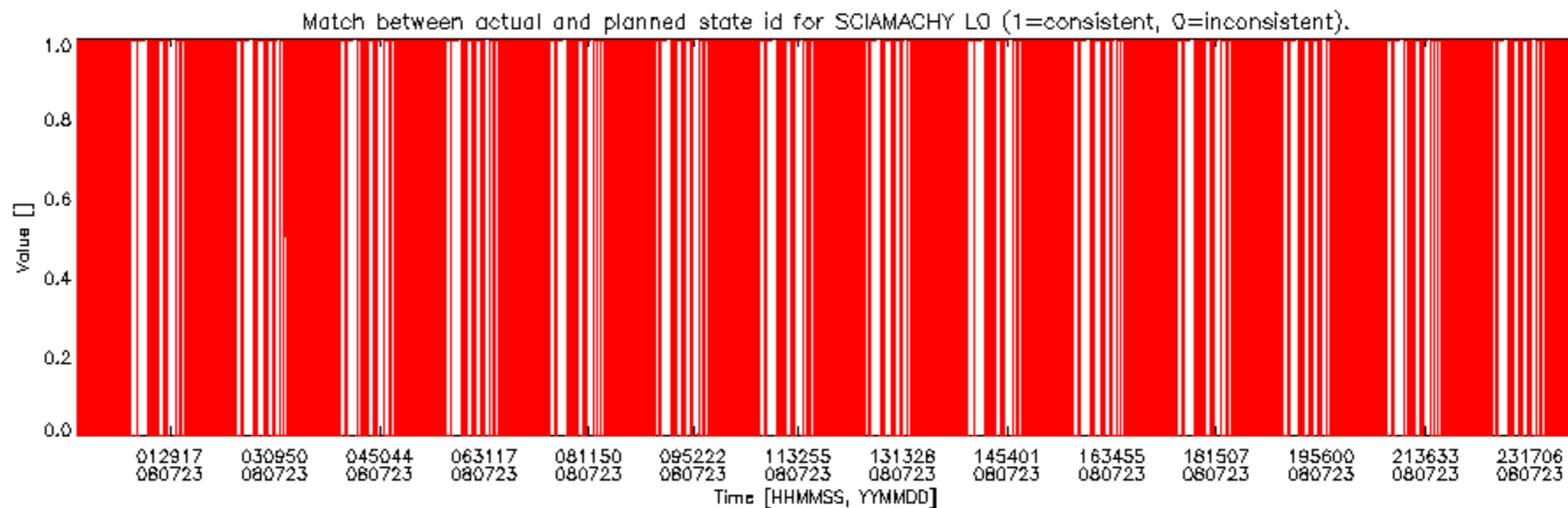
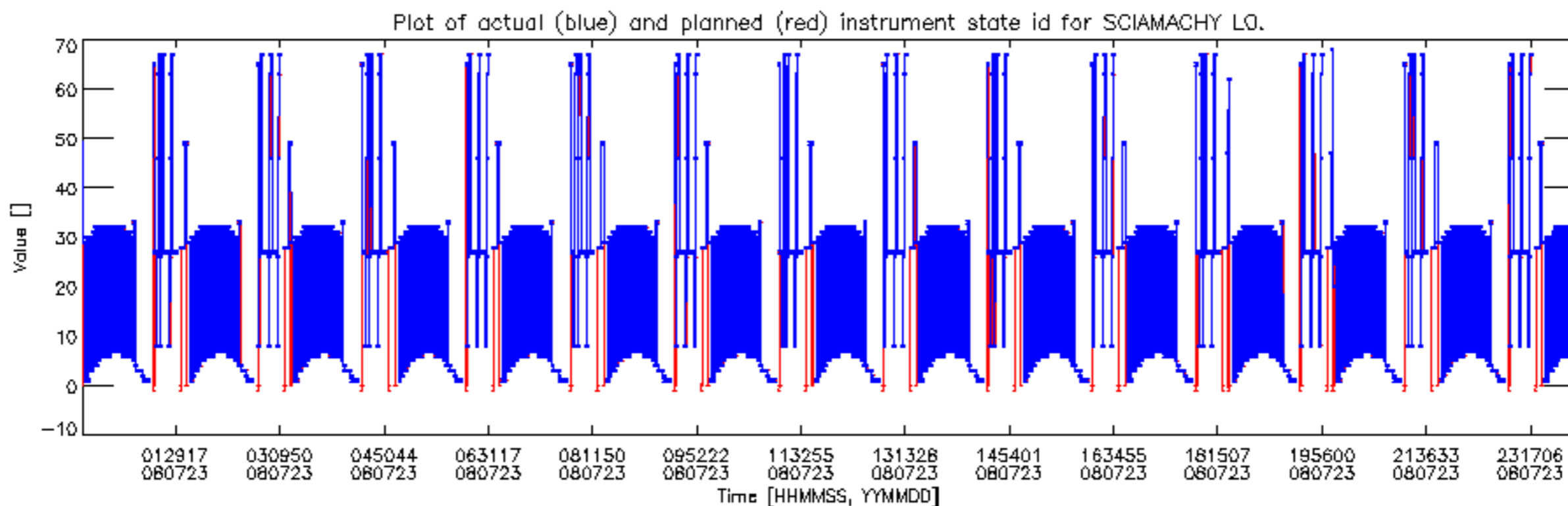




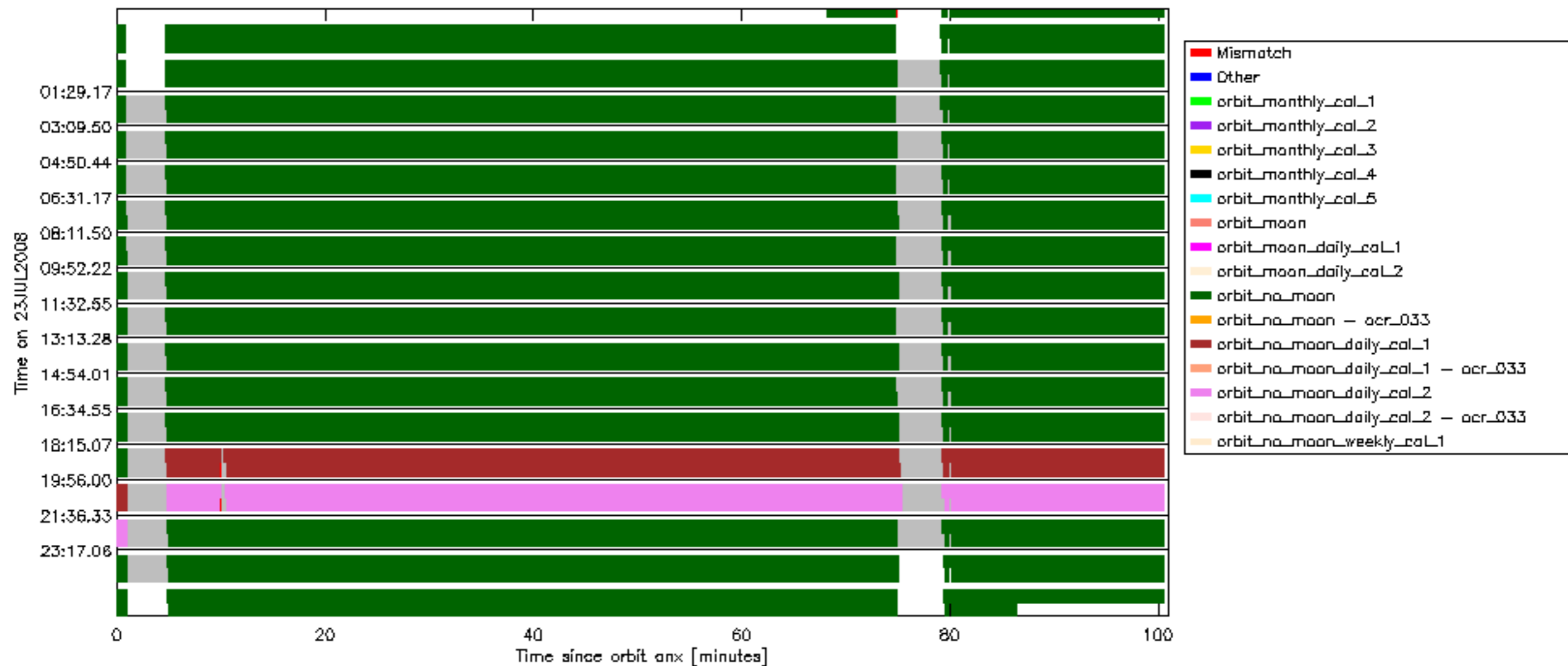


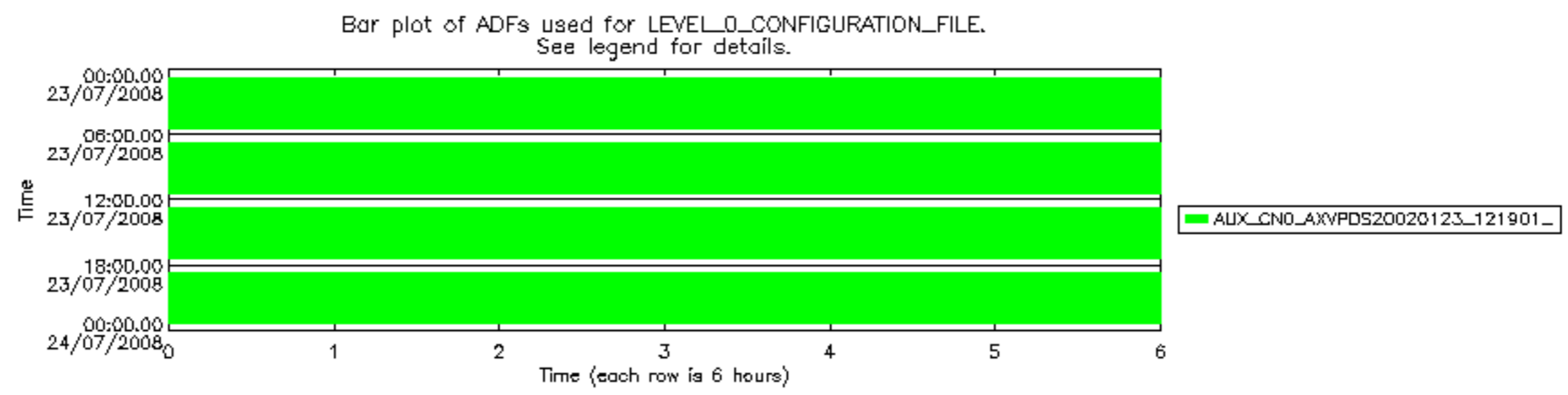






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 23JUL2008.
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 The remaining colours indicate planned activities and/or special measurements.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

