

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	06MAY2008 06:54:21
Data source version	KSPT_L0/4303-N
Processing scope for products	02MAY2008 00:00:00 to 03MAY2008 00:00:00
Start time of first product within scope	01MAY2008 23:13:10
Stop time of last product within scope	03MAY2008 00:22:47
Total number of level 0 products	16
Number of level 0 products with errors	0

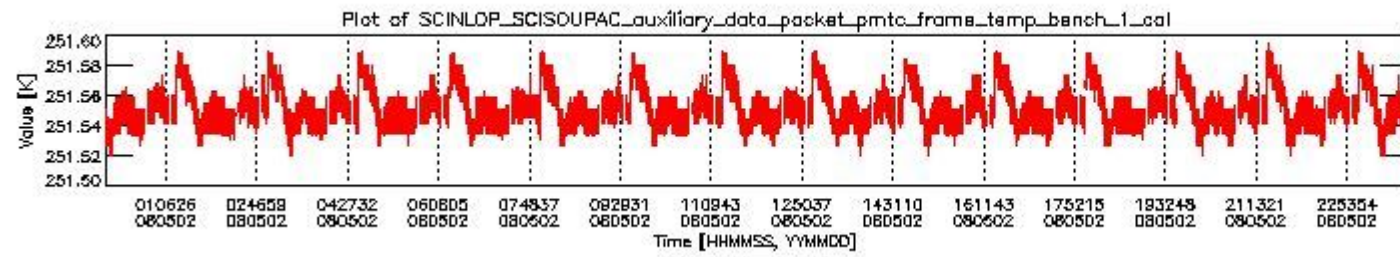
0.1.2 Summary per product

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

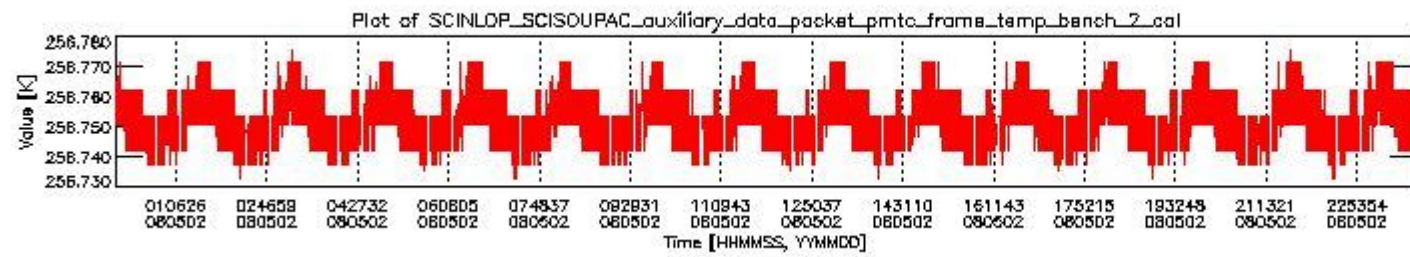
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080501_231310_000061242068_00144_32262_6596.N1	01MAY2008 23:13:10	02MAY2008 00:55:14	0	0	0	0	0
1	SCI_NL__OPNPDE20080502_005430_000045542068_00145_32263_6597.N1	02MAY2008 00:54:30	02MAY2008 02:10:24	0	0	0	0	0
2	SCI_NL__OPNPDE20080502_020916_000058432068_00146_32264_6598.N1	02MAY2008 02:09:16	02MAY2008 03:46:38	0	0	0	0	0
3	SCI_NL__OPNPDE20080502_034638_000060482068_00147_32265_6599.N1	02MAY2008 03:46:38	02MAY2008 05:27:27	0	0	0	0	0
4	SCI_NL__OPNPDE20080502_052727_000060232068_00148_32266_6600.N1	02MAY2008 05:27:27	02MAY2008 07:07:50	0	0	0	0	0
5	SCI_NL__OPNPDK20080502_070750_000041132068_00149_32267_8103.N1	02MAY2008 07:07:50	02MAY2008 08:16:23	0	0	0	0	0
6	SCI_NL__OPNPDK20080502_081623_000060912068_00150_32268_8104.N1	02MAY2008 08:16:23	02MAY2008 09:57:54	0	0	0	0	0
7	SCI_NL__OPNPDK20080502_095754_000059802068_00151_32269_8105.N1	02MAY2008 09:57:54	02MAY2008 11:37:34	0	0	0	0	0
8	SCI_NL__OPNPDK20080502_113638_000058982068_00152_32270_8106.N1	02MAY2008 11:36:38	02MAY2008 13:14:57	0	0	0	0	0
9	SCI_NL__OPNPDK20080502_131457_000059802068_00153_32271_8107.N1	02MAY2008 13:14:57	02MAY2008 14:54:36	0	0	0	0	0
10	SCI_NL__OPNPDK20080502_145436_000058432068_00154_32272_8108.N1	02MAY2008 14:54:36	02MAY2008 16:31:59	0	0	0	0	0
11	SCI_NL__OPNPDK20080502_162955_000059972068_00155_32273_8109.N1	02MAY2008 16:29:55	02MAY2008 18:09:51	0	0	0	0	0
12	SCI_NL__OPNPDK20080502_180747_000059242068_00156_32274_8110.N1	02MAY2008 18:07:47	02MAY2008 19:46:31	0	0	0	0	0
13	SCI_NL__OPNPDE20080502_194454_000042982068_00157_32275_6601.N1	02MAY2008 19:44:54	02MAY2008 20:56:33	0	0	0	0	0
14	SCI_NL__OPNPDE20080502_205512_000064562068_00157_32275_6602.N1	02MAY2008 20:55:12	02MAY2008 22:42:48	0	0	0	0	0
15	SCI_NL__OPNPDE20080502_224127_000060802068_00158_32276_6603.N1	02MAY2008 22:41:27	03MAY2008 00:22:47	0	0	0	0	0

0.2 Product Quality Indicators

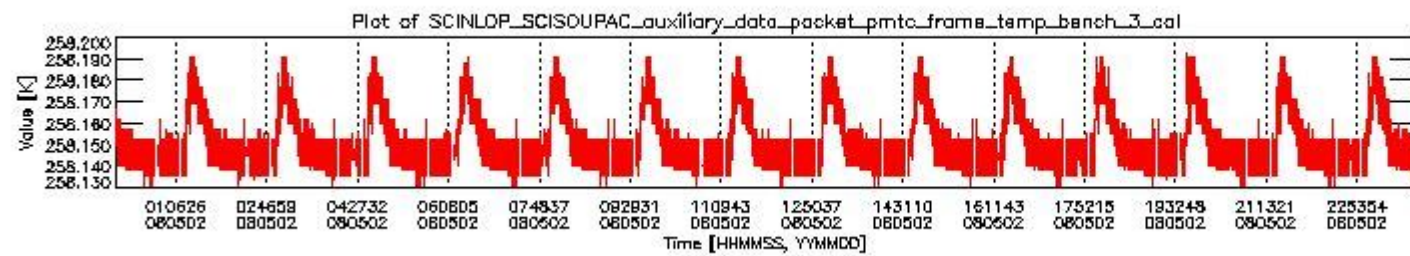
This section shows information about product quality, currently temperatures.



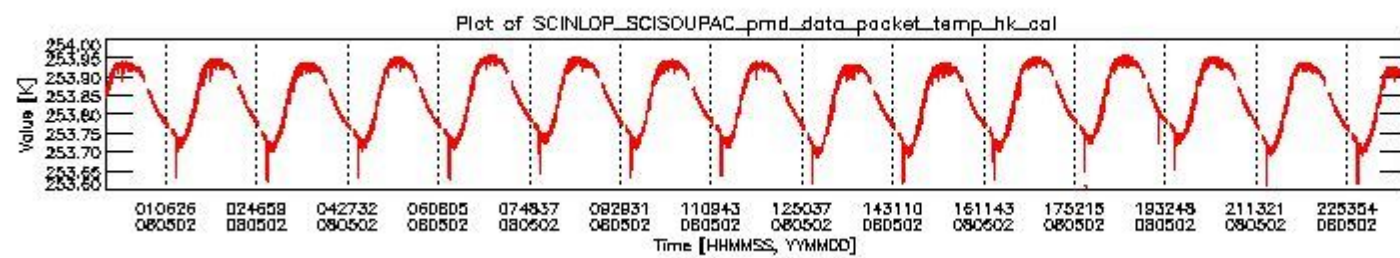
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080502_0.PNG



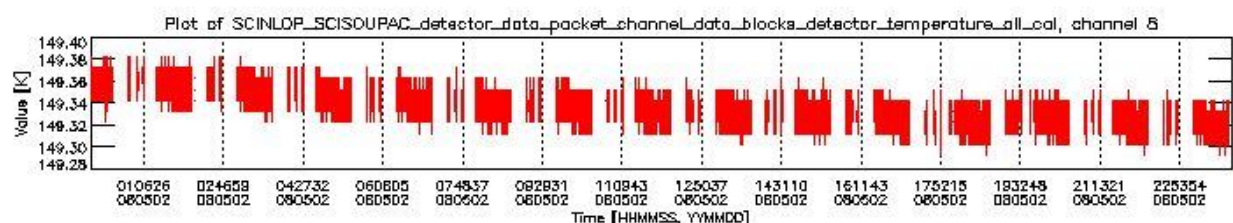
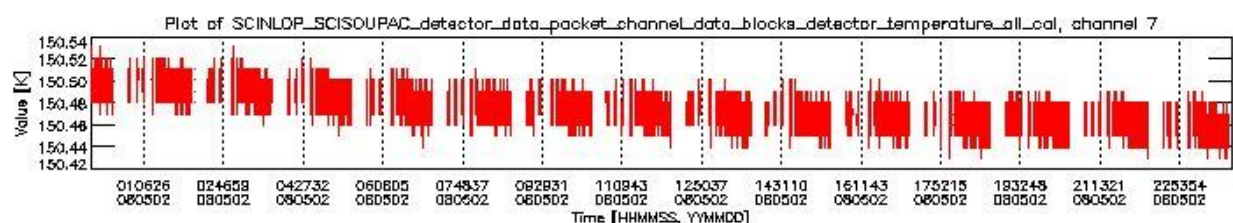
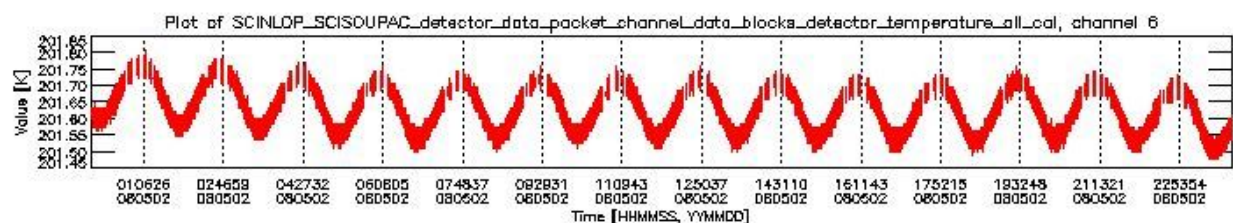
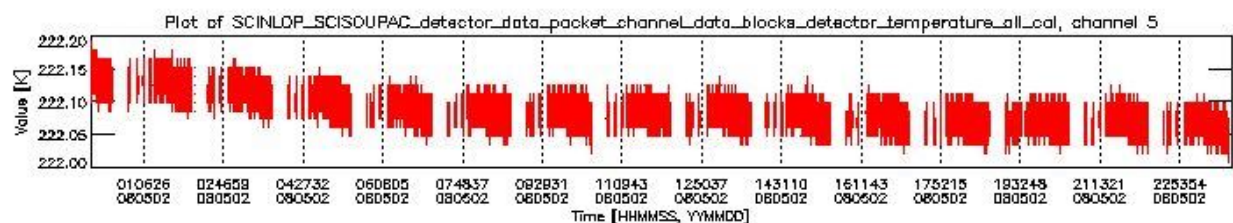
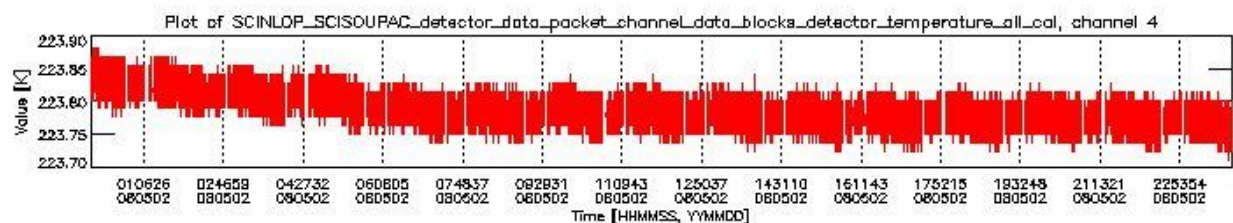
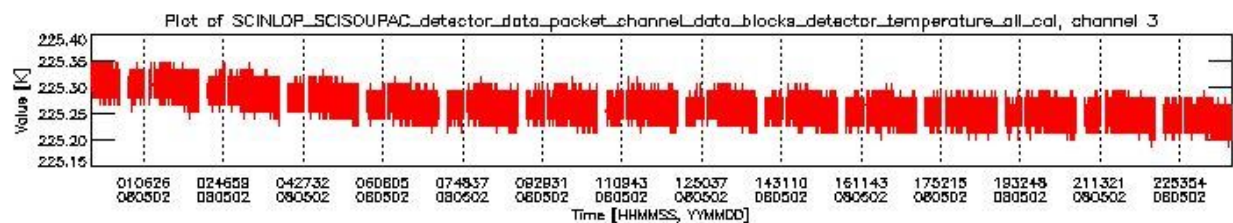
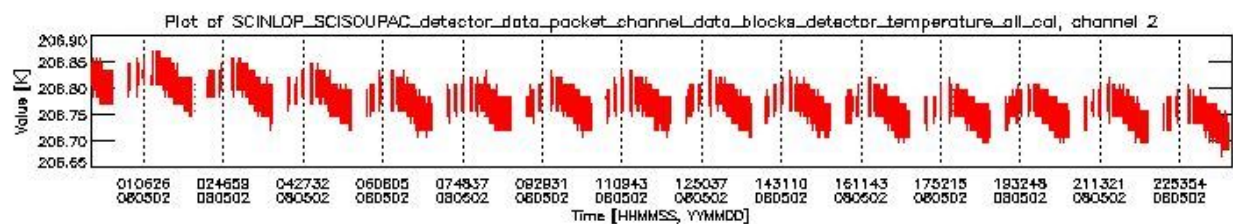
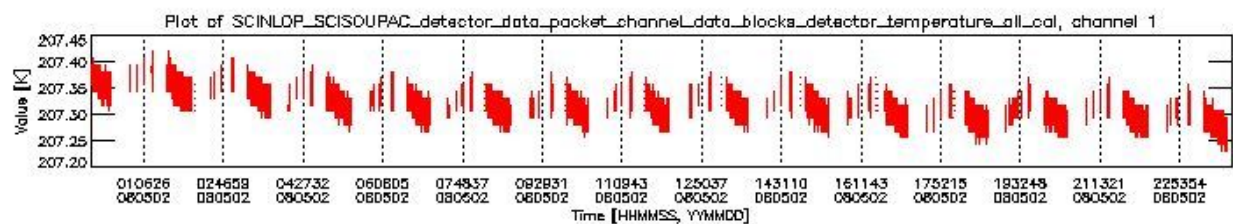
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080502_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080502_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080502_3.PNG

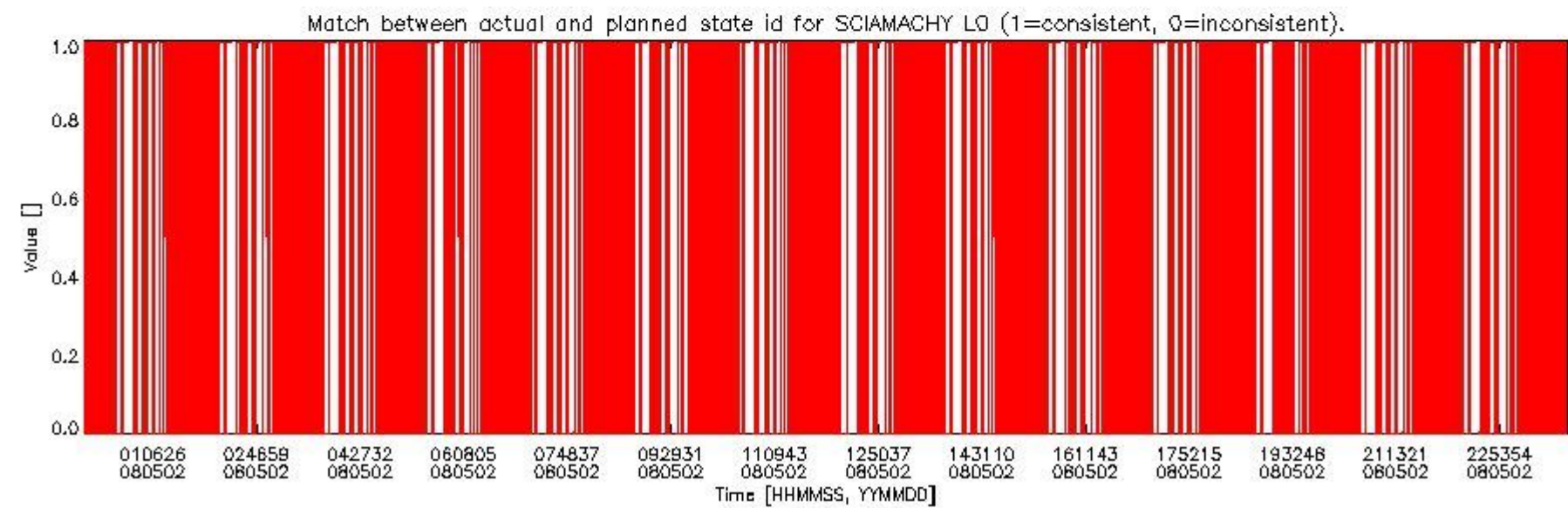
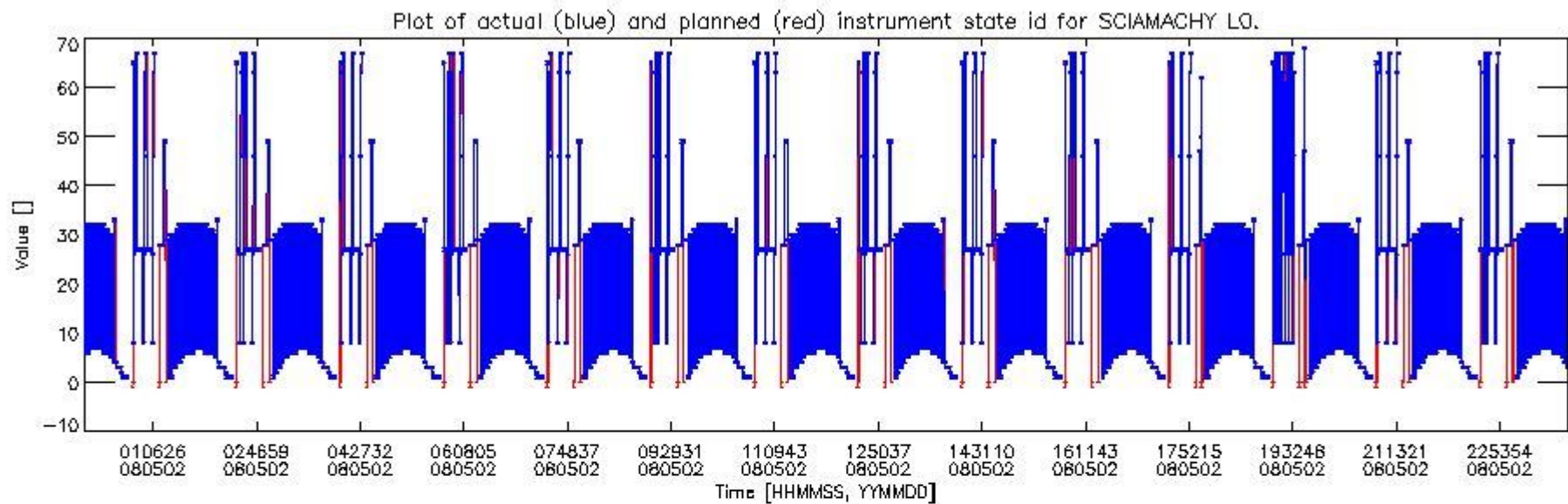


0.3 State monitoring

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: **41334**

#	Actual time	Actual value	Planned time	Planned value
0	02MAY2008 00:00:34.425241	6	02MAY2008 00:00:34.425241	32
1	02MAY2008 00:00:34.800254	6	02MAY2008 00:00:34.800254	32
2	02MAY2008 00:00:35.050263	6	02MAY2008 00:00:35.050263	32
3	02MAY2008 00:00:35.300231	6	02MAY2008 00:00:35.300231	32
4	02MAY2008 00:00:35.550240	6	02MAY2008 00:00:35.550240	32
5	02MAY2008 00:00:35.800248	6	02MAY2008 00:00:35.800248	32
6	02MAY2008 00:00:36.050257	6	02MAY2008 00:00:36.050257	32
7	02MAY2008 00:00:36.300266	6	02MAY2008 00:00:36.300266	32
8	02MAY2008 00:00:36.550234	6	02MAY2008 00:00:36.550234	32
9	02MAY2008 00:00:36.800243	6	02MAY2008 00:00:36.800243	32
10	02MAY2008 00:00:37.050252	6	02MAY2008 00:00:37.050252	32
11	02MAY2008 00:00:37.300260	6	02MAY2008 00:00:37.300260	32
12	02MAY2008 00:00:37.550229	6	02MAY2008 00:00:37.550229	32
13	02MAY2008 00:00:37.800238	6	02MAY2008 00:00:37.800238	32
14	02MAY2008 00:00:38.050246	6	02MAY2008 00:00:38.050246	32
15	02MAY2008 00:00:38.300255	6	02MAY2008 00:00:38.300255	32
16	02MAY2008 00:00:38.550264	6	02MAY2008 00:00:38.550264	32
17	02MAY2008 00:00:38.800232	6	02MAY2008 00:00:38.800232	32
18	02MAY2008 00:00:39.050241	6	02MAY2008 00:00:39.050241	32
19	02MAY2008 00:00:39.300250	6	02MAY2008 00:00:39.300250	32

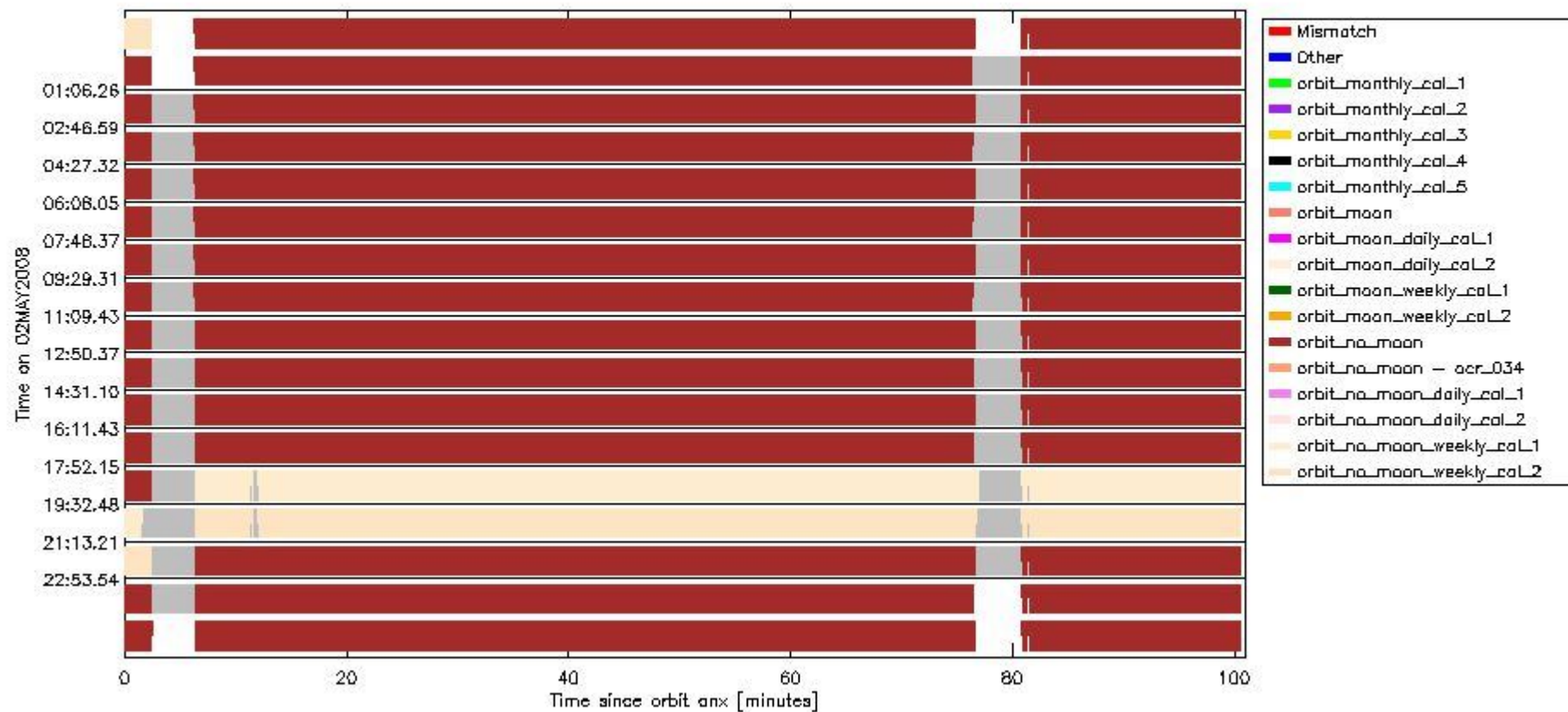


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080502_5.PNG

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 Q2MAY2008.
 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_20080502_6.PNG

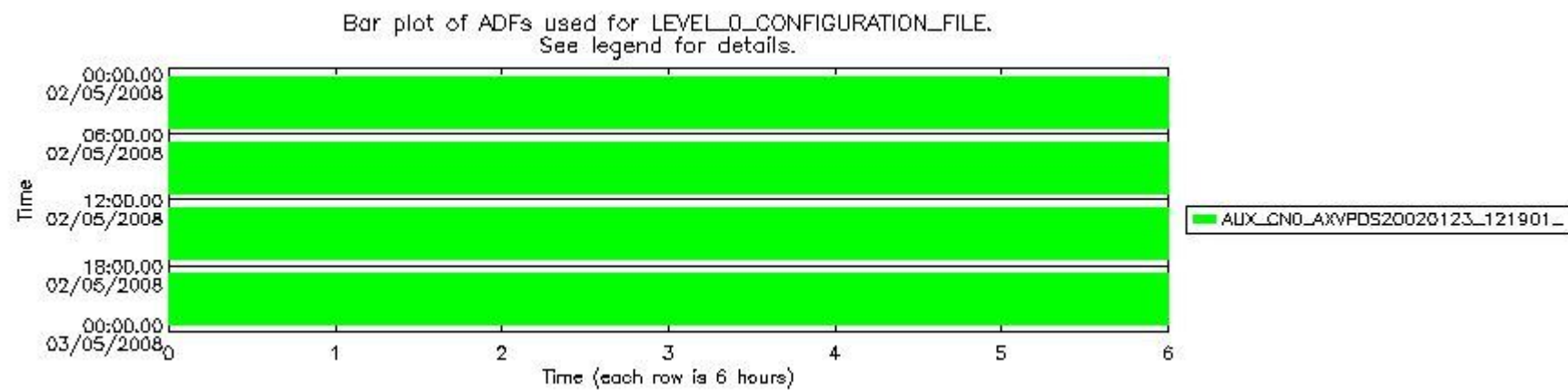
0.4 ADF monitoring

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

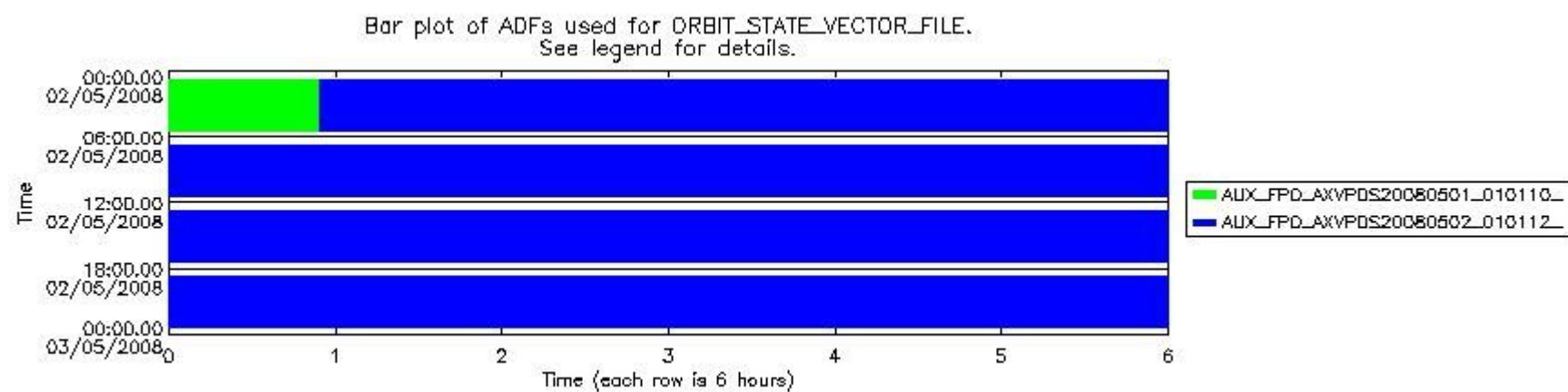
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

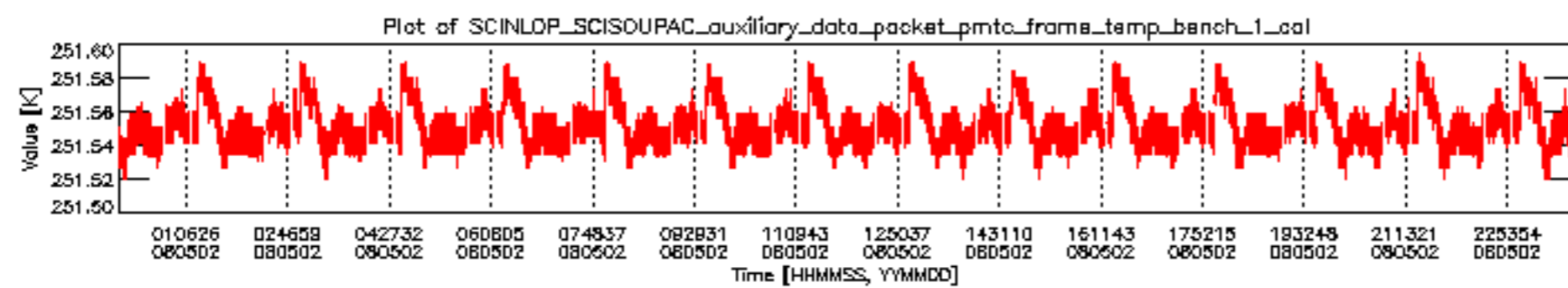
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080501_010110_20080430_185532_20080510_202146
2	AUX_FPO_AXVPDS20080502_010112_20080501_182355_20080511_213045

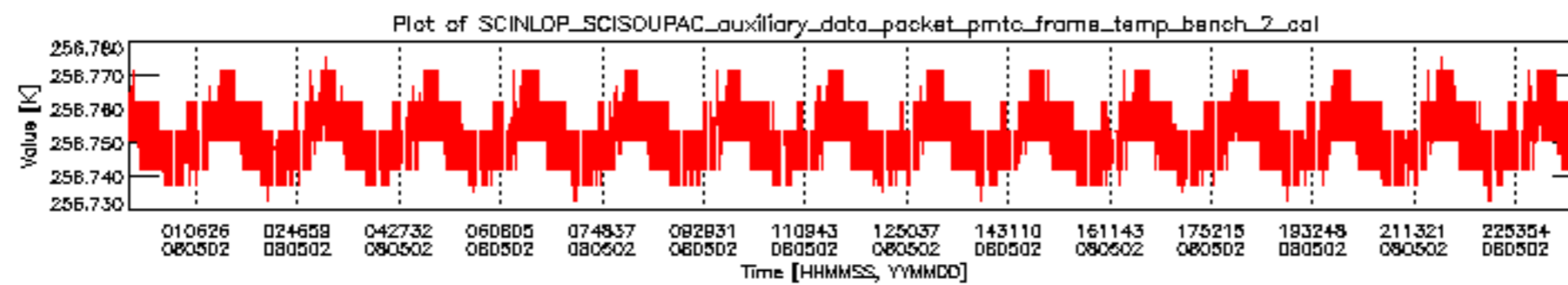


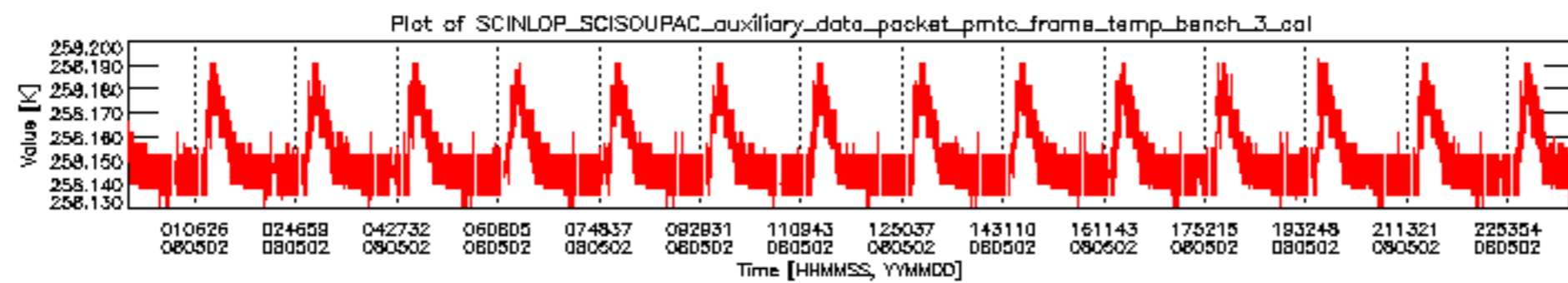
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080502_7.PNG

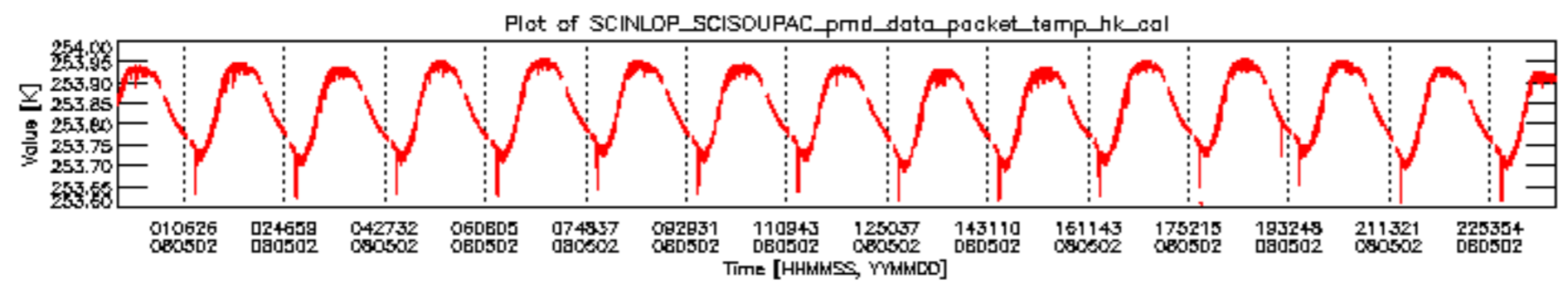


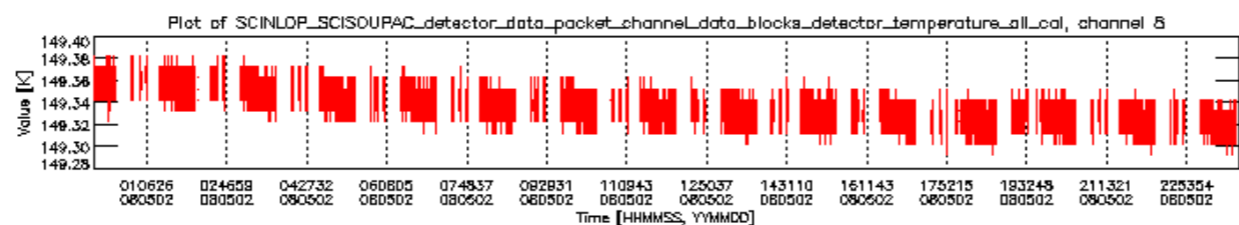
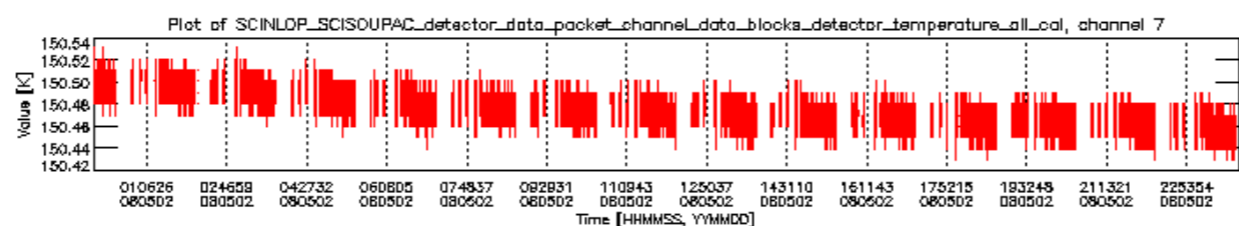
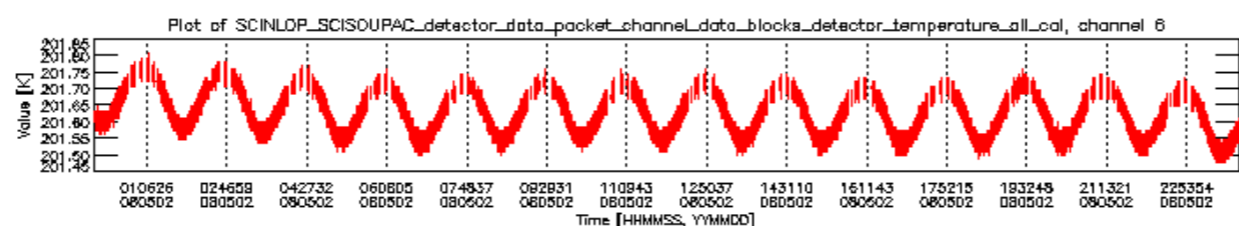
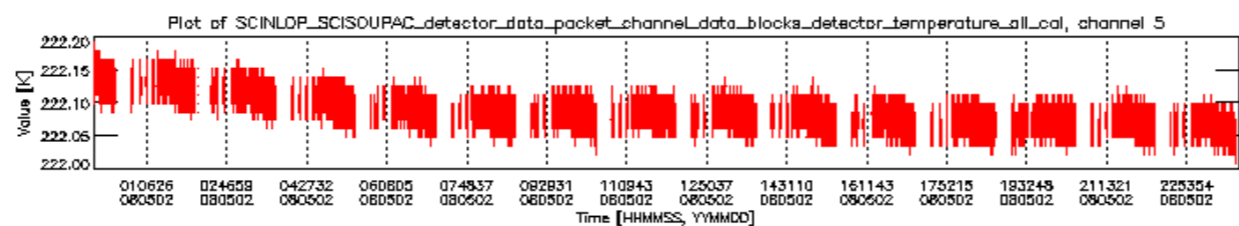
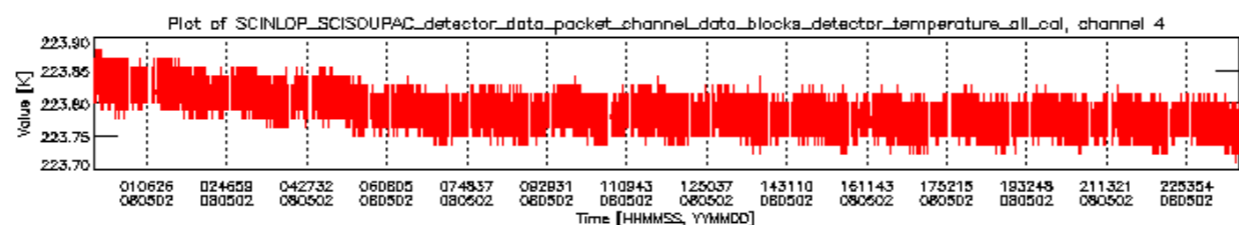
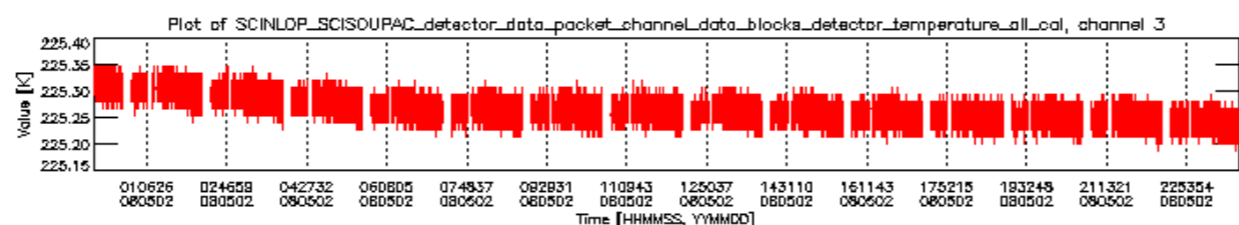
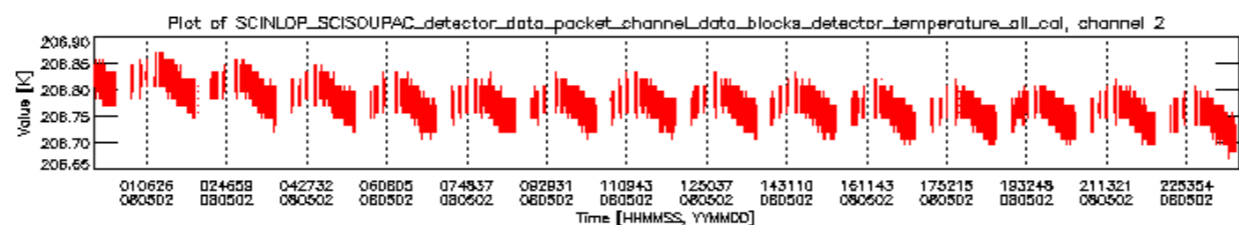
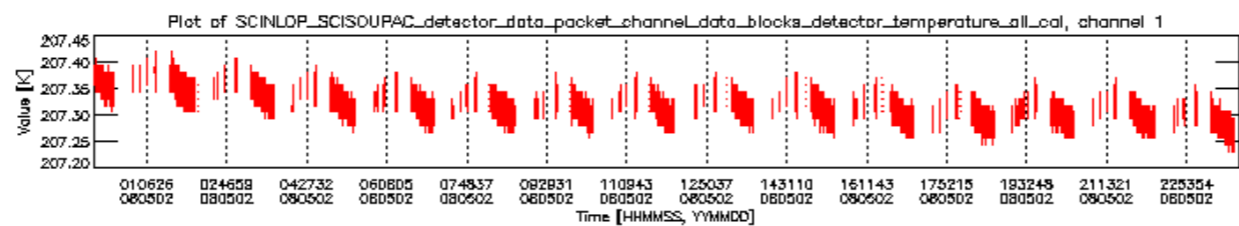
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080502_8.PNG

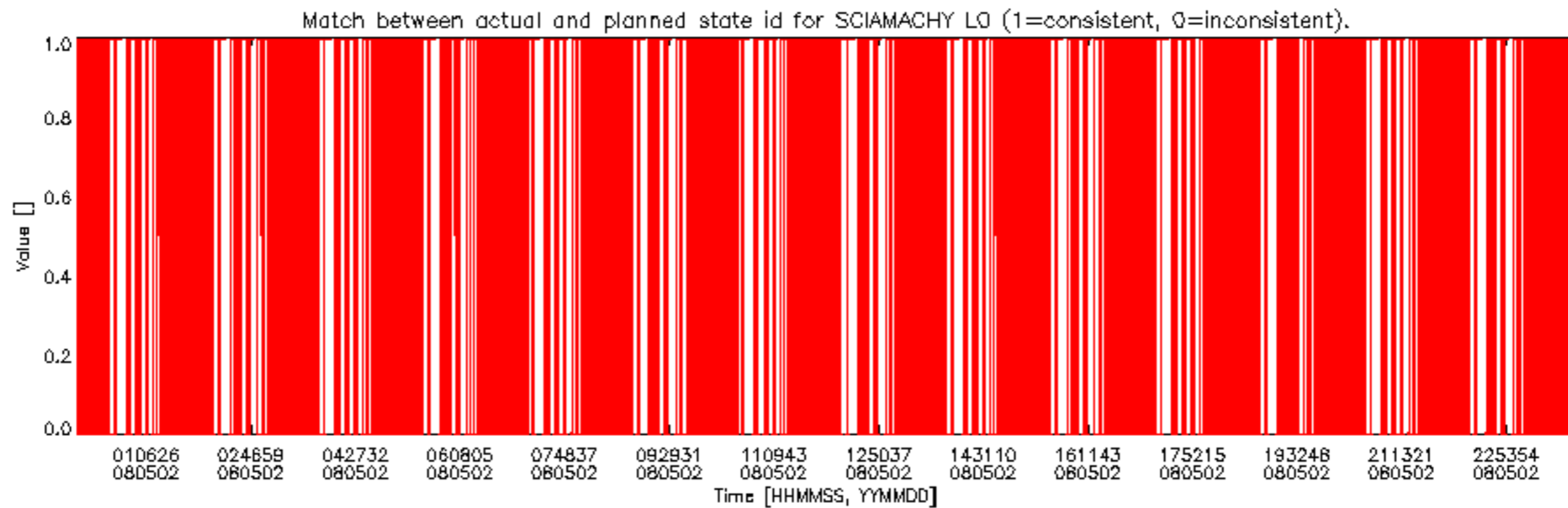
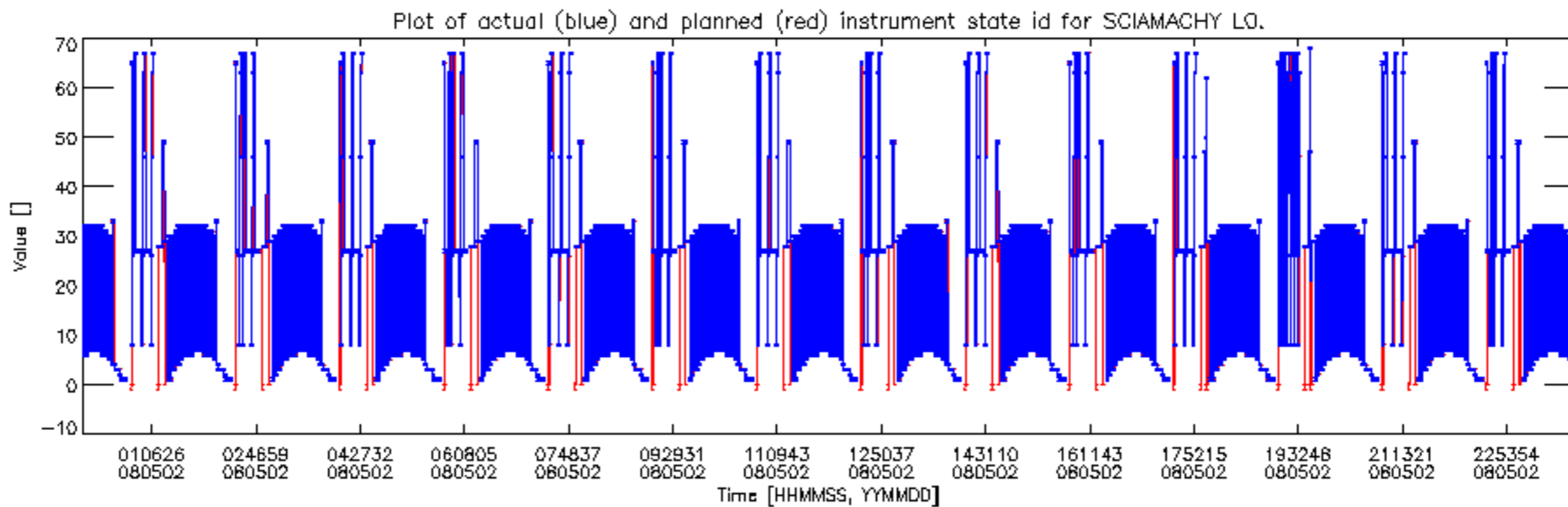




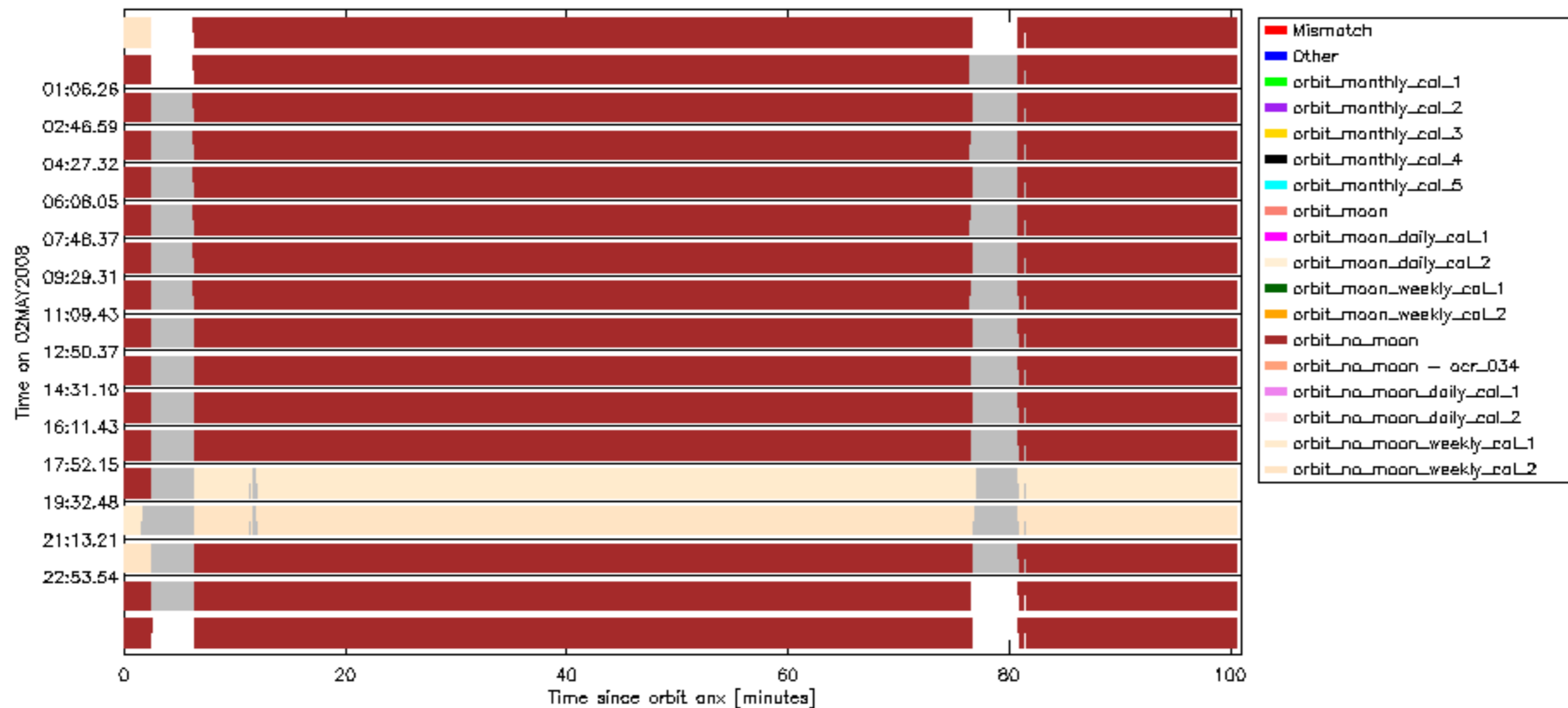


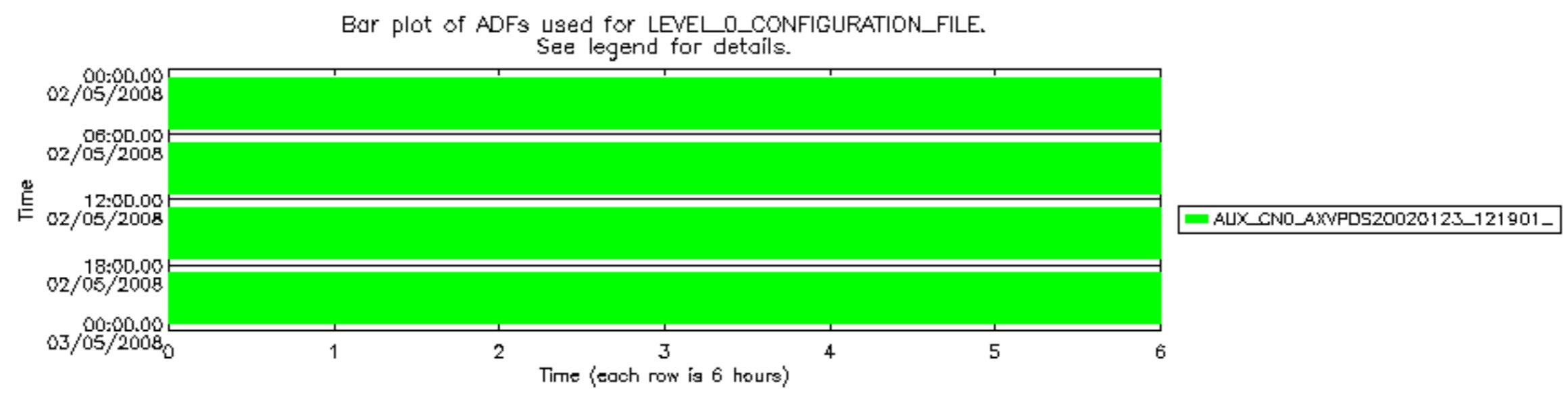






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 02MAY2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.





Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

