

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	09JAN2008 06:42:29
Data source version	KSPT_L0/4302-N
Processing scope for products	05JAN2008 00:00:00 to 06JAN2008 00:00:00
Start time of first product within scope	04JAN2008 23:27:26
Stop time of last product within scope	06JAN2008 00:29:36
Total number of level 0 products	17
Number of level 0 products with errors	5

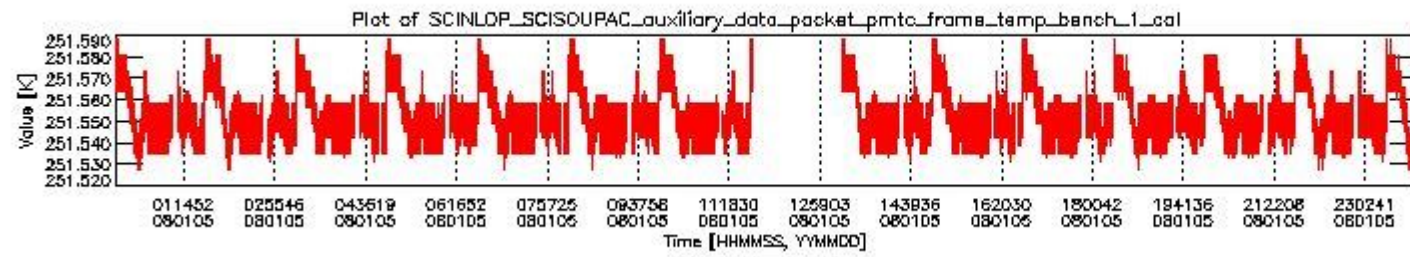
0.1.2 Summary per product

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

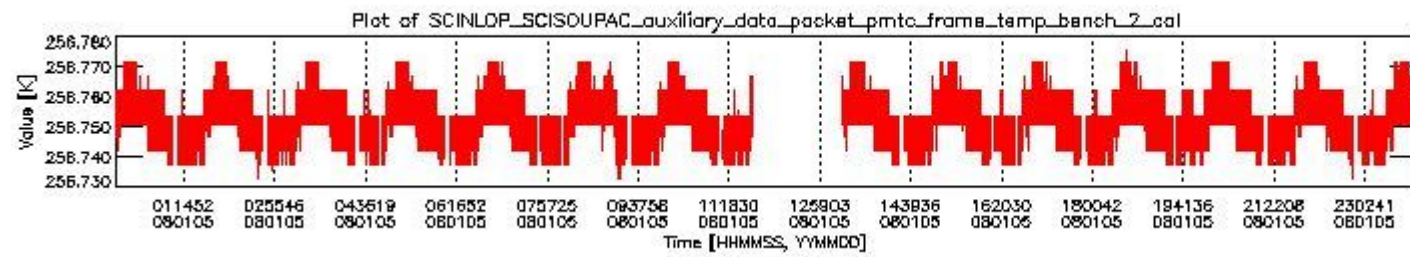
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080104_232726_000056302064_00459_30573_5876.N1	04JAN2008 23:27:26	05JAN2008 01:01:16	0	0	0	0	0
1	SCI_NL__OPNPDE20080105_010116_000047152064_00460_30574_5877.N1	05JAN2008 01:01:16	05JAN2008 02:19:51	0	0	0	0	0
2	SCI_NL__OPNPDE20080105_021856_000058552064_00461_30575_5878.N1	05JAN2008 02:18:56	05JAN2008 03:56:31	0	0	0	0	0
3	SCI_NL__OPNPDE20080105_035522_000060922064_00462_30576_5879.N1	05JAN2008 03:55:22	05JAN2008 05:36:54	0	0	0	0	0
4	SCI_NL__OPNPDE20080105_053558_000061042064_00463_30577_5880.N1	05JAN2008 05:35:58	05JAN2008 07:17:43	0	0	0	0	0
5	SCI_NL__OPNPDK20080105_071743_000041012064_00464_30578_7043.N1	05JAN2008 07:17:43	05JAN2008 08:26:03	0	0	0	0	0
6	SCI_NL__OPNPDK20080105_082359_000061602064_00465_30579_7044.N1	05JAN2008 08:23:59	05JAN2008 10:06:39	1	0	1	0	0
7	SCI_NL__OPNPDK20080105_100543_000059672064_00466_30580_7045.N1	05JAN2008 10:05:43	05JAN2008 11:45:10	0	0	0	0	0
8	SCI_NL__OPNPDK20080105_114414_000059802064_00467_30581_7046.N1	05JAN2008 11:44:14	05JAN2008 13:23:54	1	1	1	0	0
9	SCI_NL__OPNPDK20080105_132258_000060922064_00468_30582_7047.N1	05JAN2008 13:22:58	05JAN2008 15:04:30	1	1	1	0	0
10	SCI_NL__OPNPDK20080105_150116_000027262064_00469_30583_7048.N1	05JAN2008 15:01:16	05JAN2008 15:46:42	0	0	0	0	0
11	SCI_NL__OPNPDK20080105_154642_000032532064_00469_30583_7049.N1	05JAN2008 15:46:42	05JAN2008 16:40:55	1	1	0	0	0
12	SCI_NL__OPNPDK20080105_163903_000059802064_00470_30584_7050.N1	05JAN2008 16:39:03	05JAN2008 18:18:43	0	0	0	0	0
13	SCI_NL__OPNPDK20080105_181843_000057932064_00471_30585_7051.N1	05JAN2008 18:18:43	05JAN2008 19:55:16	1	1	0	0	0
14	SCI_NL__OPNPDE20080105_195919_000038982064_00472_30586_5881.N1	05JAN2008 19:59:19	05JAN2008 21:04:17	0	0	0	0	0
15	SCI_NL__OPNPDE20080105_210309_000063402064_00472_30586_5882.N1	05JAN2008 21:03:09	05JAN2008 22:48:48	0	0	0	0	0
16	SCI_NL__OPNPDE20080105_225548_000056282064_00473_30587_5883.N1	05JAN2008 22:55:48	06JAN2008 00:29:36	0	0	0	0	0

0.2 Product Quality Indicators

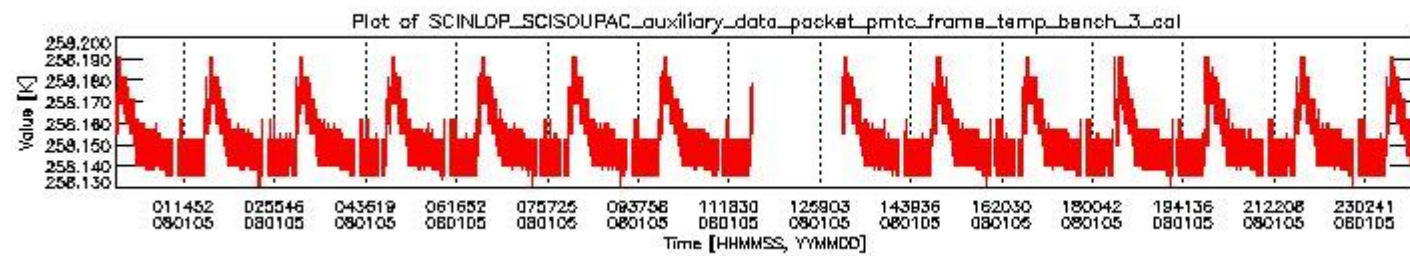
This section shows information about product quality, currently temperatures.



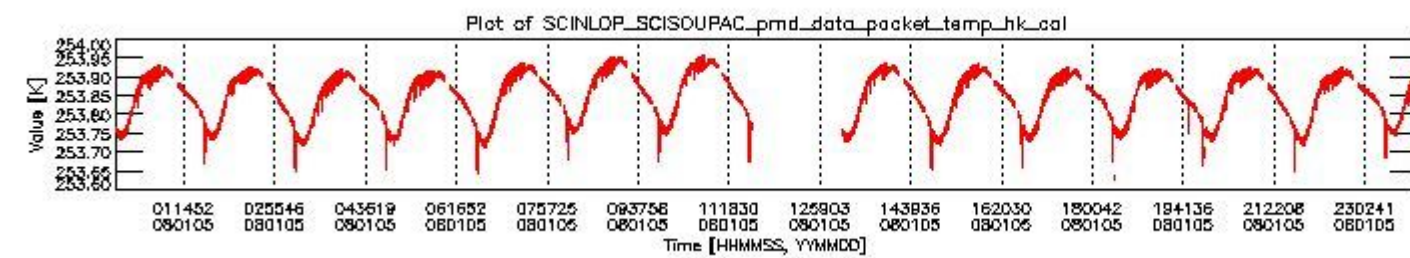
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080105_0.PNG



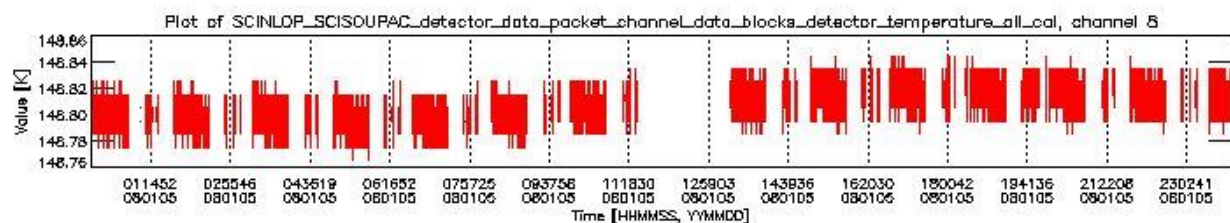
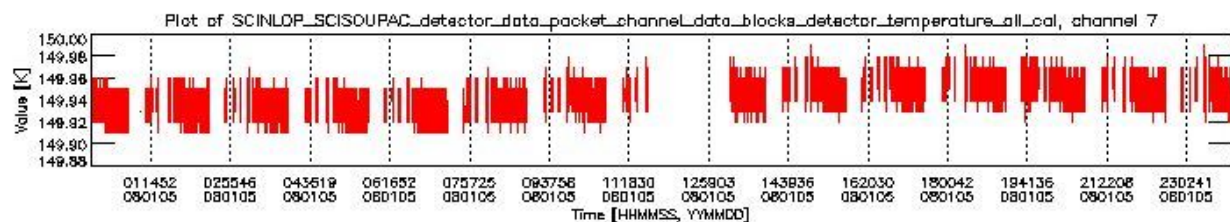
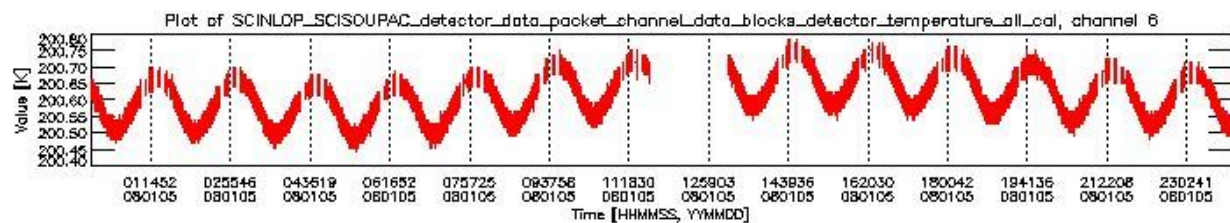
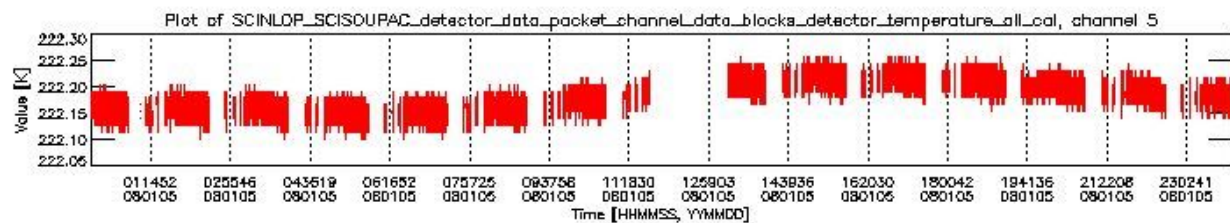
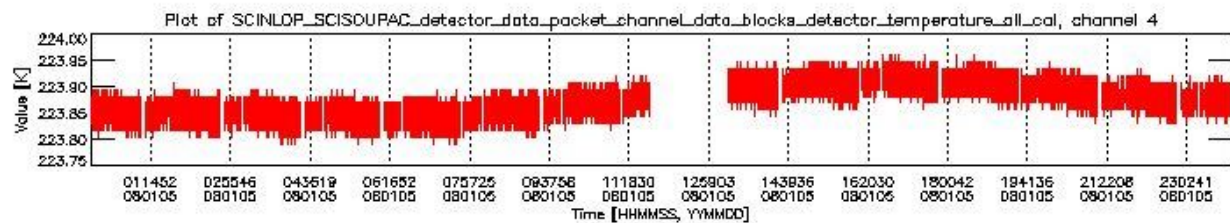
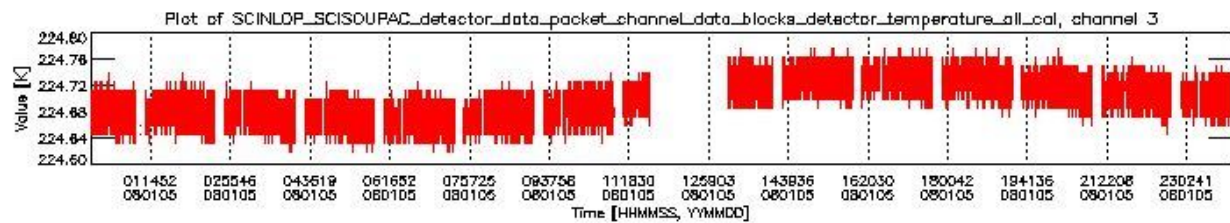
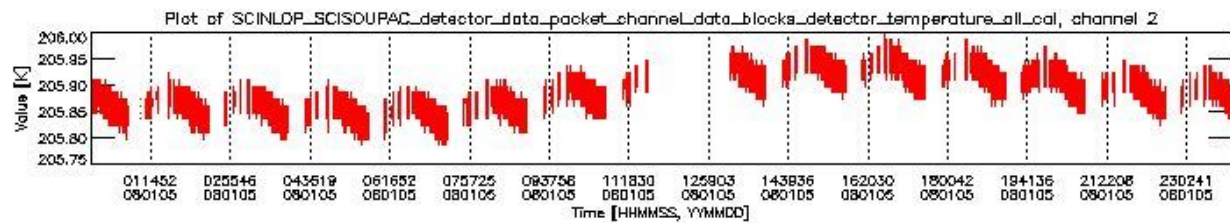
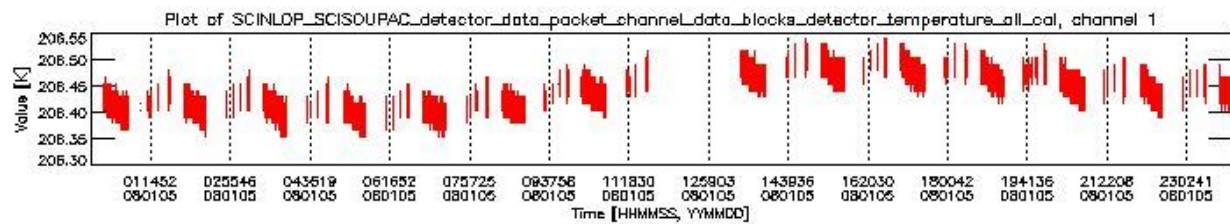
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080105_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20080105_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20080105_3.PNG

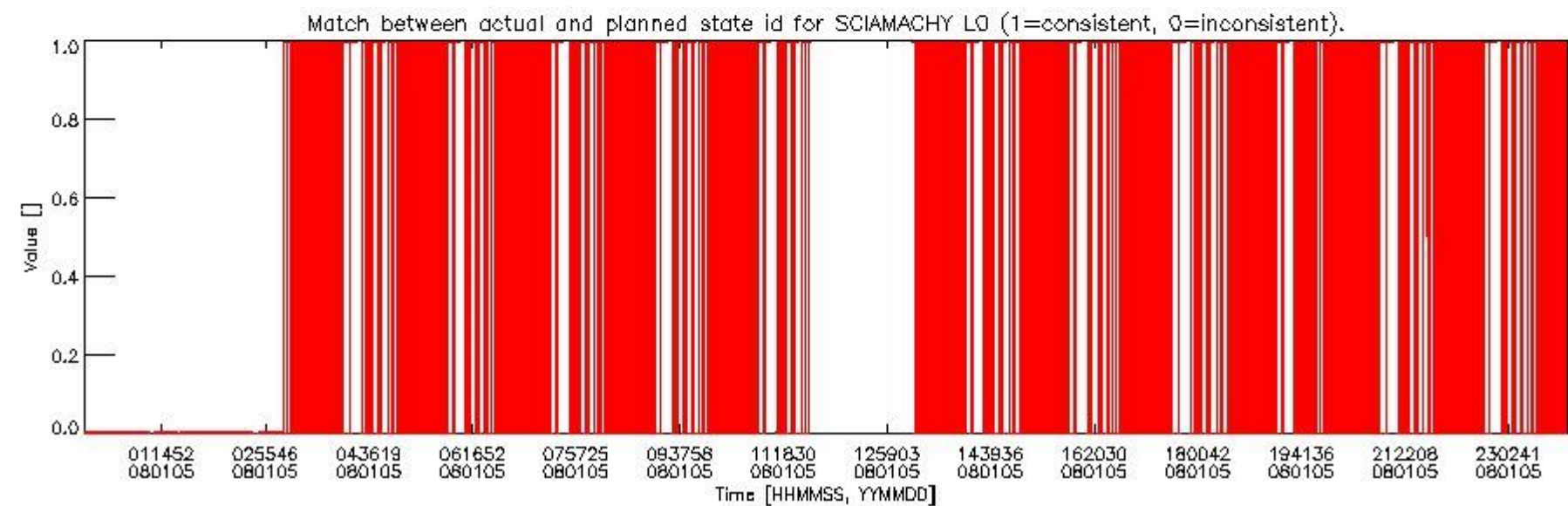
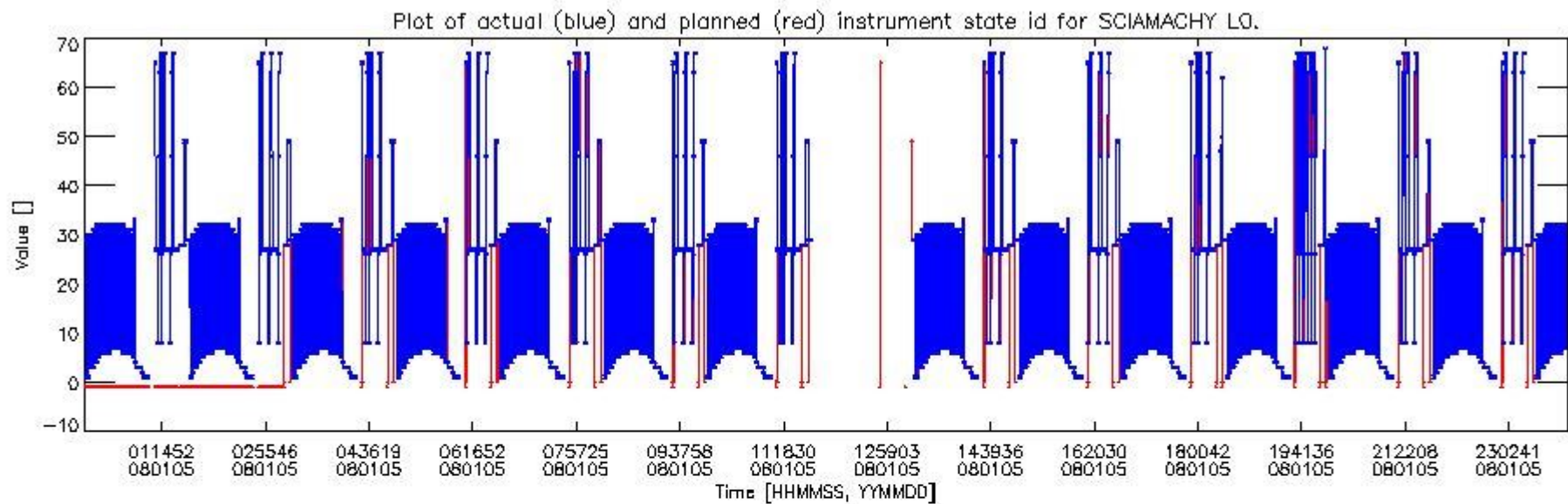


0.3 State monitoring

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: **77052**

#	Actual time	Actual value	Planned time	Planned value
0	05JAN2008 00:00:00.104083	29	05JAN2008 00:00:00.104083	-1
1	05JAN2008 00:00:00.479096	29	05JAN2008 00:00:00.479096	-1
2	05JAN2008 00:00:00.854109	29	05JAN2008 00:00:00.854109	-1
3	05JAN2008 00:00:01.416609	29	05JAN2008 00:00:01.416609	-1
4	05JAN2008 00:00:04.725181	29	05JAN2008 00:00:04.725181	-1
5	05JAN2008 00:00:05.350202	29	05JAN2008 00:00:05.350202	-1
6	05JAN2008 00:00:05.725215	29	05JAN2008 00:00:05.725215	-1
7	05JAN2008 00:00:06.100188	29	05JAN2008 00:00:06.100188	-1
8	05JAN2008 00:00:06.662688	29	05JAN2008 00:00:06.662688	-1
9	05JAN2008 00:00:07.037701	29	05JAN2008 00:00:07.037701	-1
10	05JAN2008 00:00:07.412714	29	05JAN2008 00:00:07.412714	-1
11	05JAN2008 00:00:07.787687	29	05JAN2008 00:00:07.787687	-1
12	05JAN2008 00:00:08.350186	29	05JAN2008 00:00:08.350186	-1
13	05JAN2008 00:00:08.725199	29	05JAN2008 00:00:08.725199	-1
14	05JAN2008 00:00:09.100212	29	05JAN2008 00:00:09.100212	-1
15	05JAN2008 00:00:09.475185	29	05JAN2008 00:00:09.475185	-1
16	05JAN2008 00:00:09.725194	29	05JAN2008 00:00:09.725194	-1
17	05JAN2008 00:00:10.037684	29	05JAN2008 00:00:10.037684	-1
18	05JAN2008 00:00:10.412697	29	05JAN2008 00:00:10.412697	-1
19	05JAN2008 00:00:10.787711	29	05JAN2008 00:00:10.787711	-1

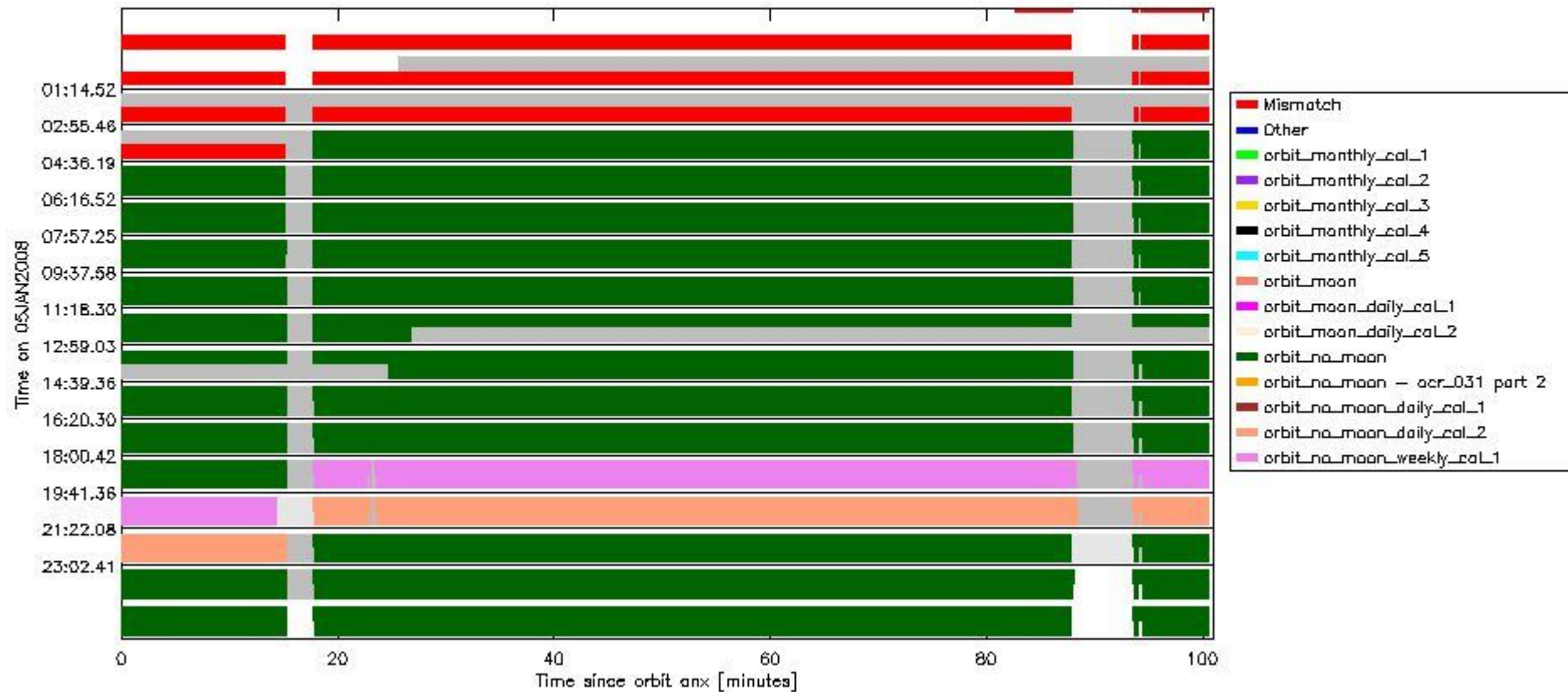


sciamachy_daily_report_level0_KSPT_L0_4302_N_20080105_5.PNG

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 05JAN2008.
 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_4302_N_20080105_6.PNG

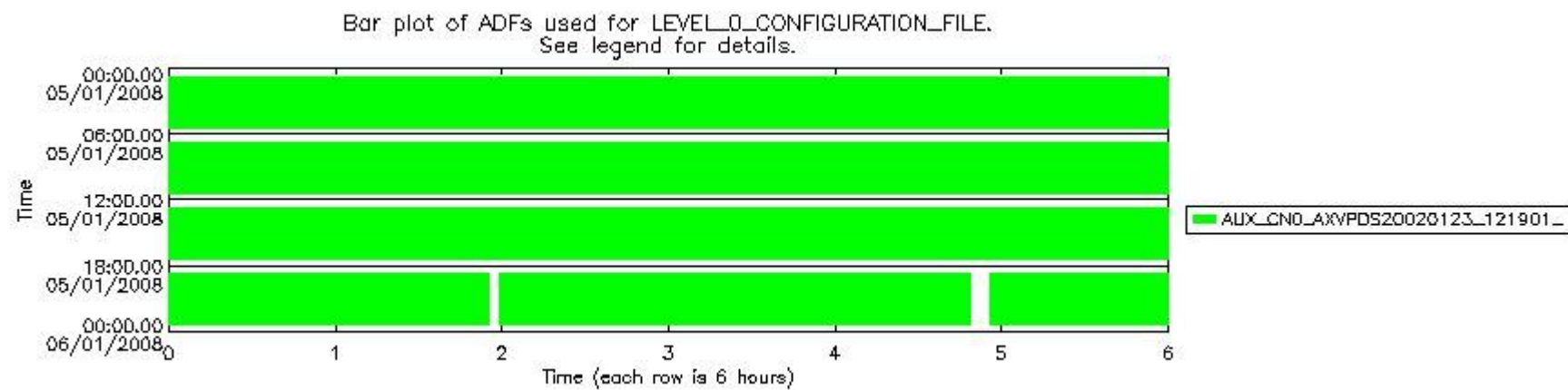
0.4 ADF monitoring

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

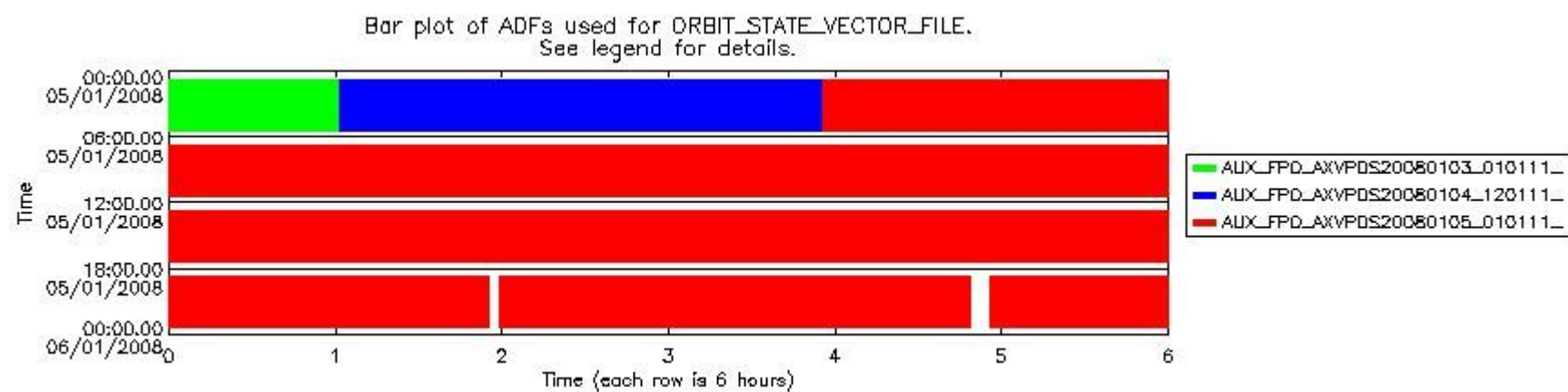
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

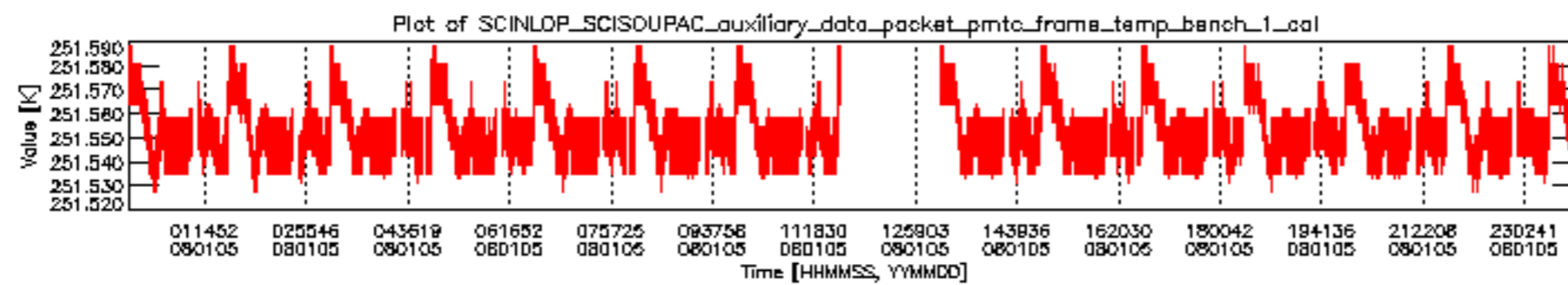
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080103_010111_20080102_193547_20080112_210201
2	AUX_FPO_AXVPDS20080104_120111_20080103_190411_20080113_203024
3	AUX_FPO_AXVPDS20080105_010111_20080103_190411_20080113_203024

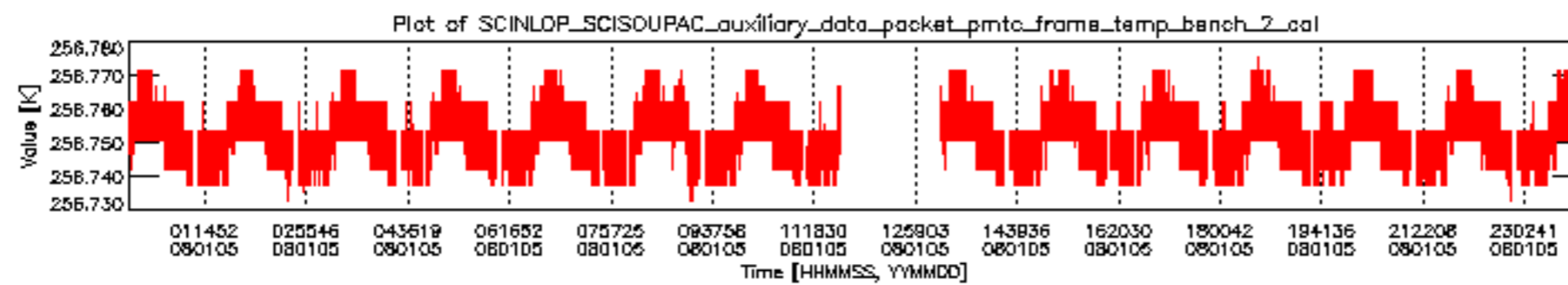


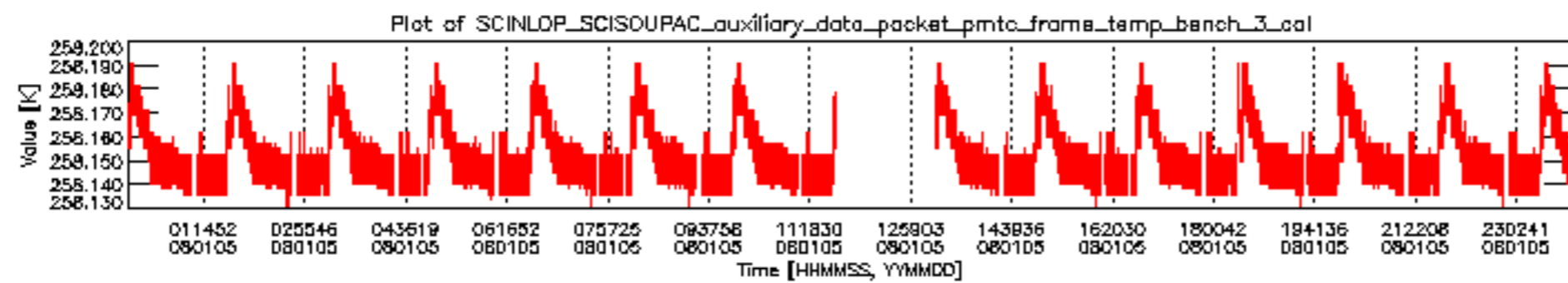
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080105_7.PNG

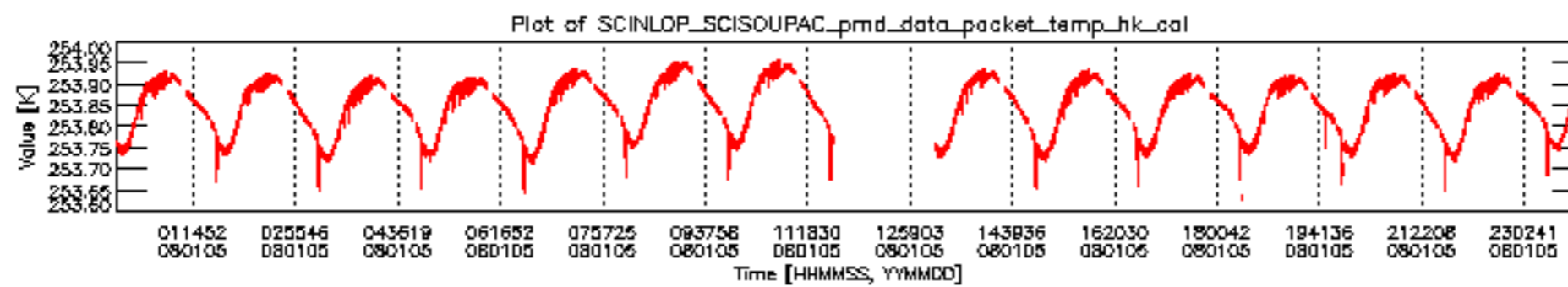


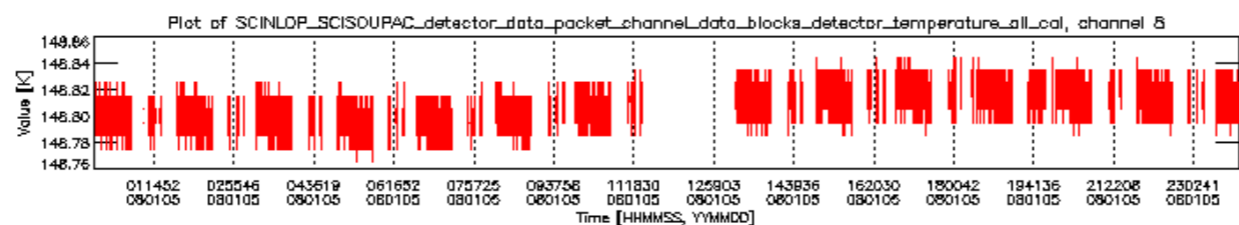
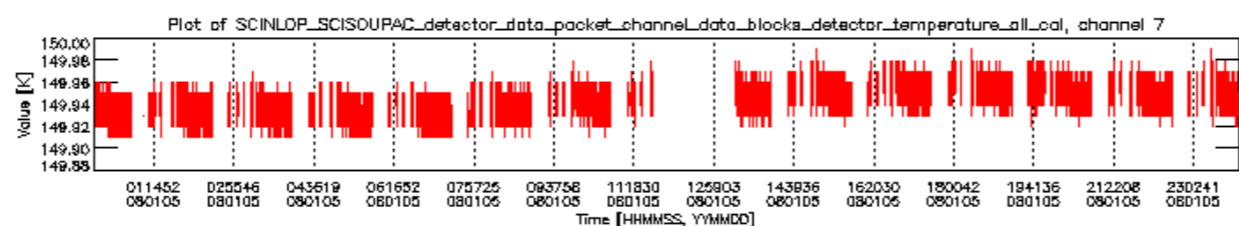
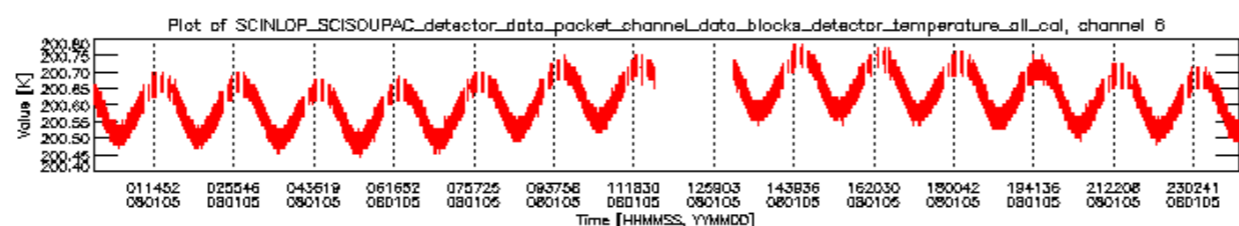
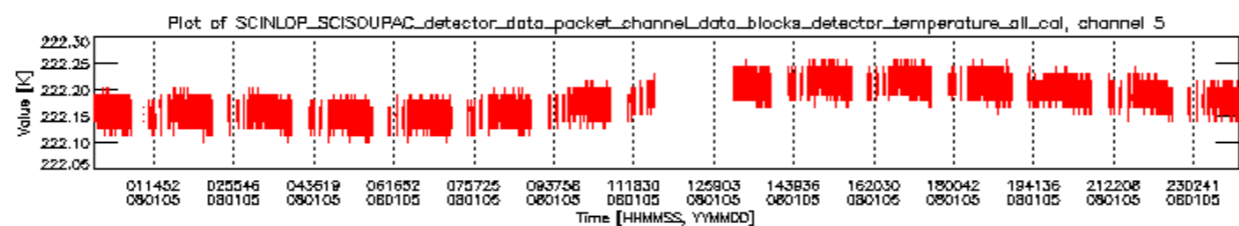
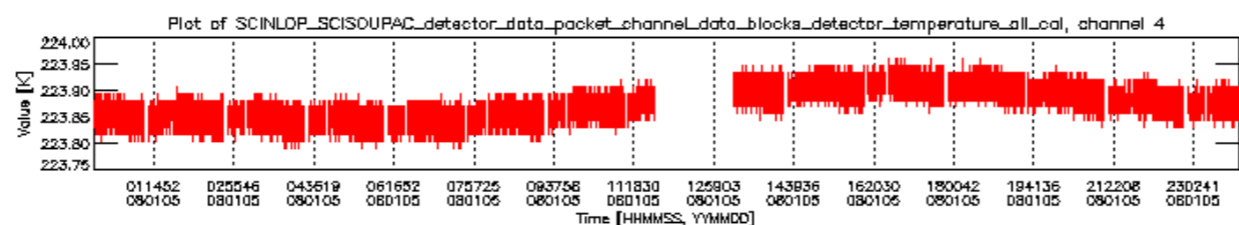
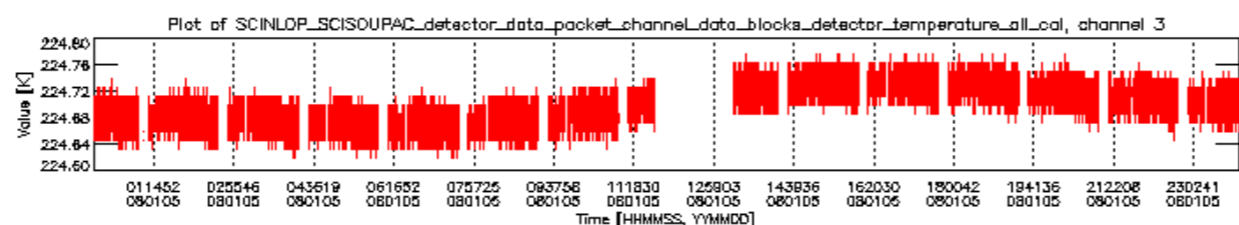
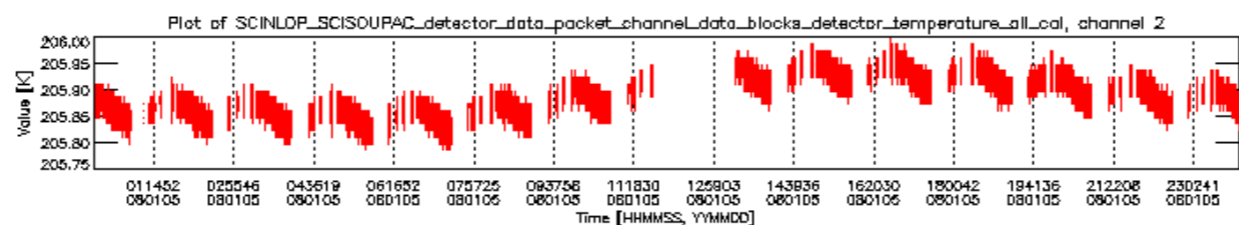
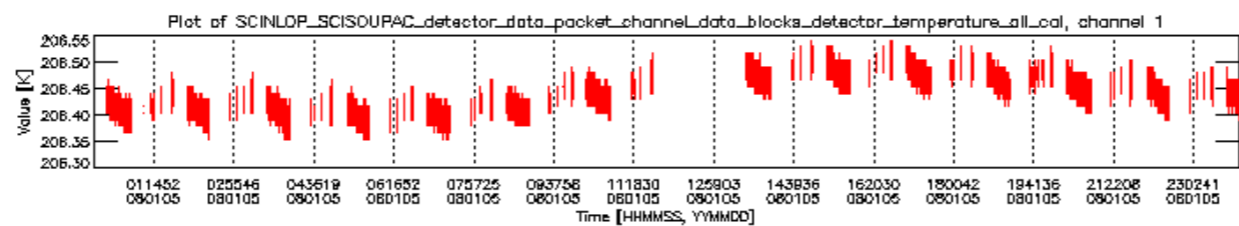
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080105_8.PNG

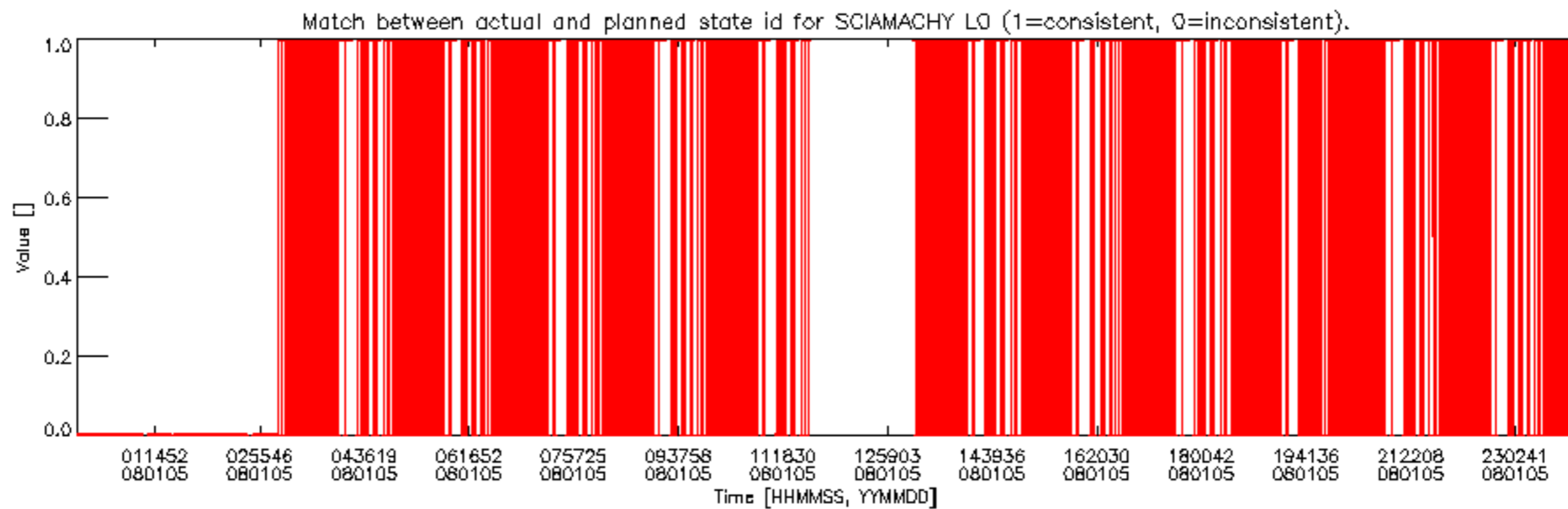
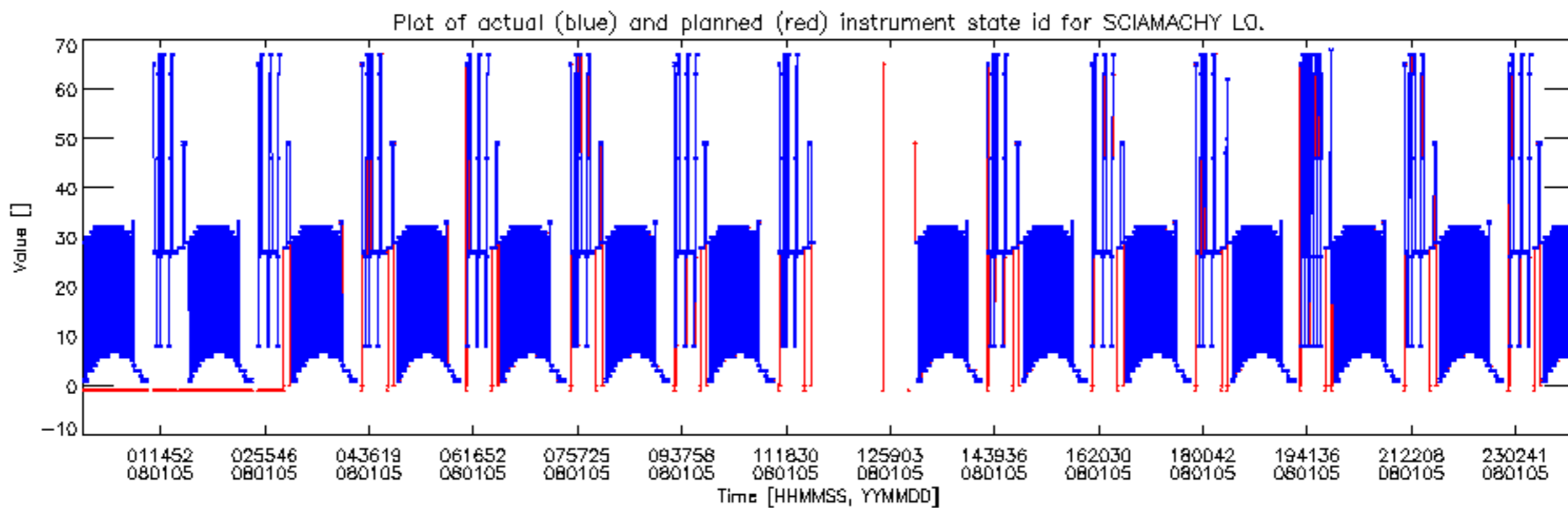




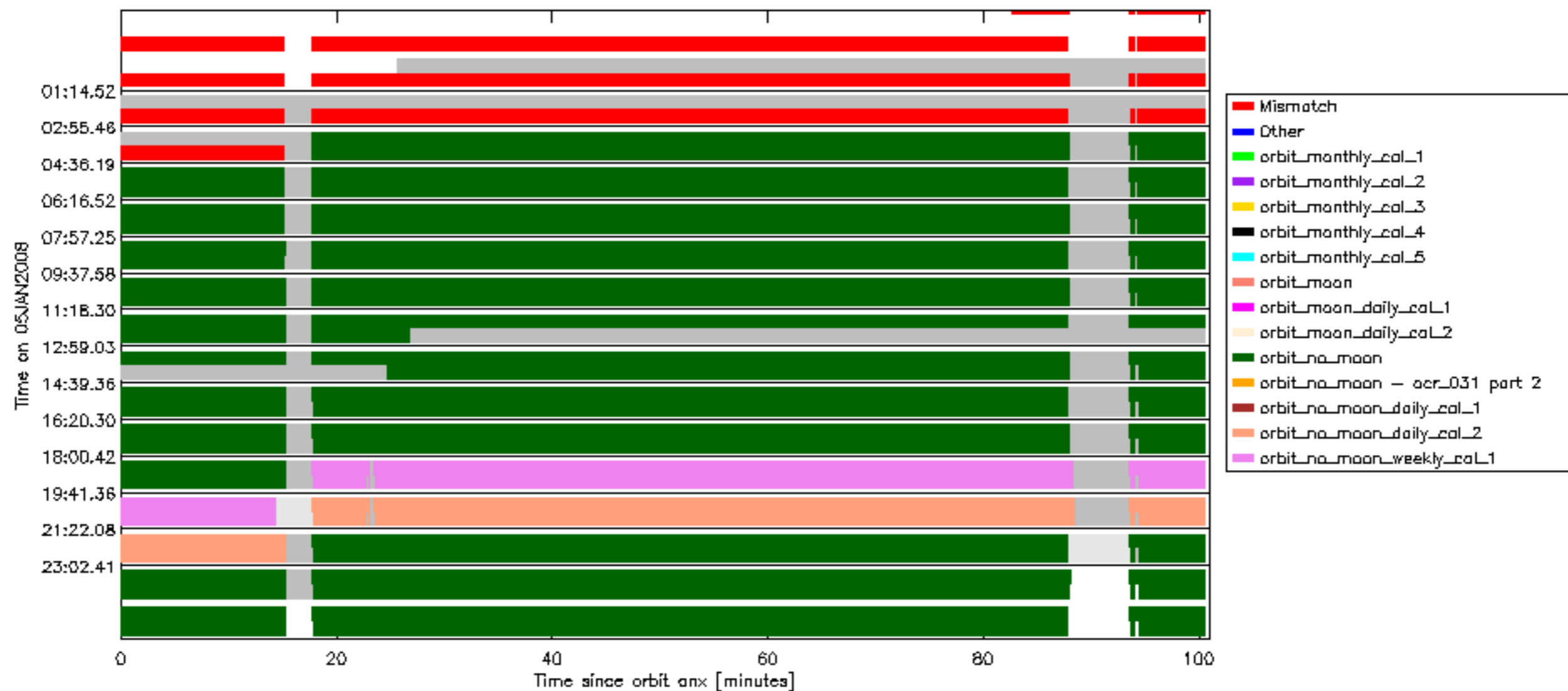


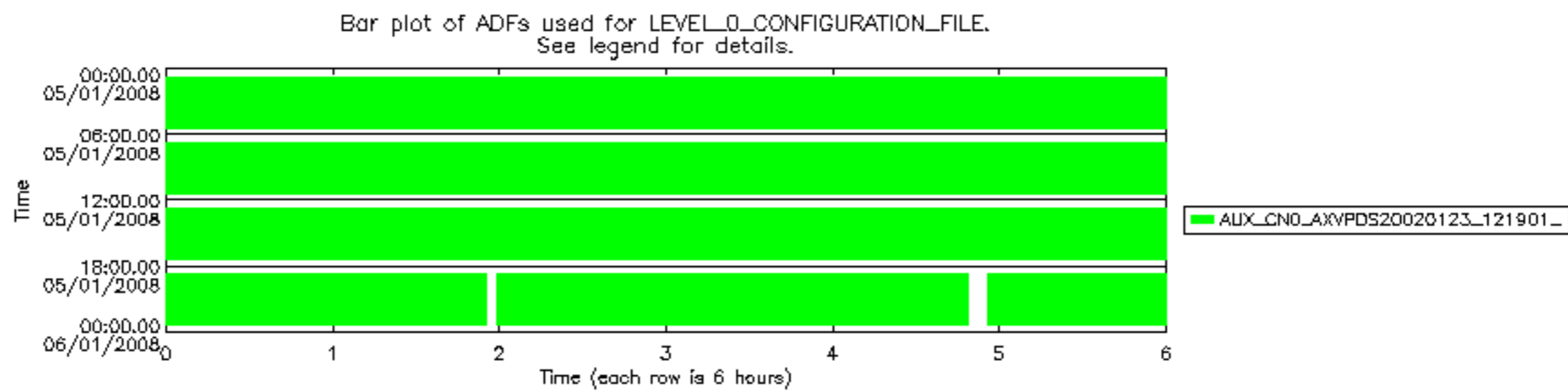






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 05JAN2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities 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.

