

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	19MAR2008 05:27:45
Data source version	KSPT_L0/4303-N
Processing scope for products	15MAR2008 00:00:00 to 16MAR2008 00:00:00
Start time of first product within scope	14MAR2008 23:56:15
Stop time of last product within scope	16MAR2008 01:11:21
Total number of level 0 products	14
Number of level 0 products with errors	5

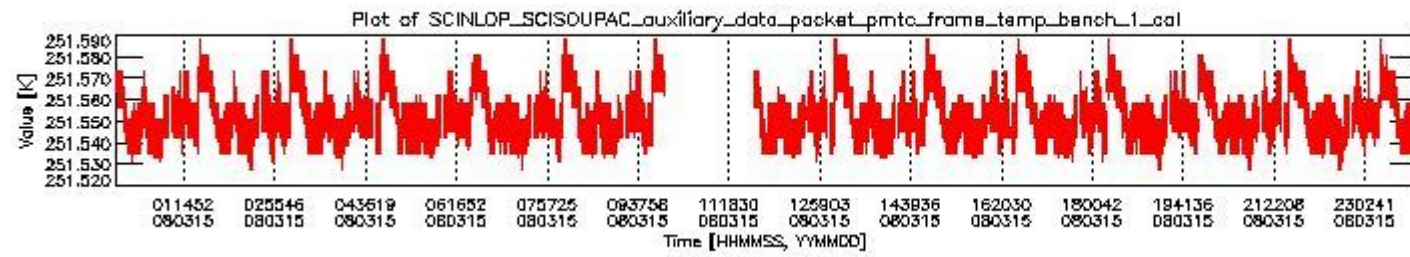
0.1.2 Summary per product

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

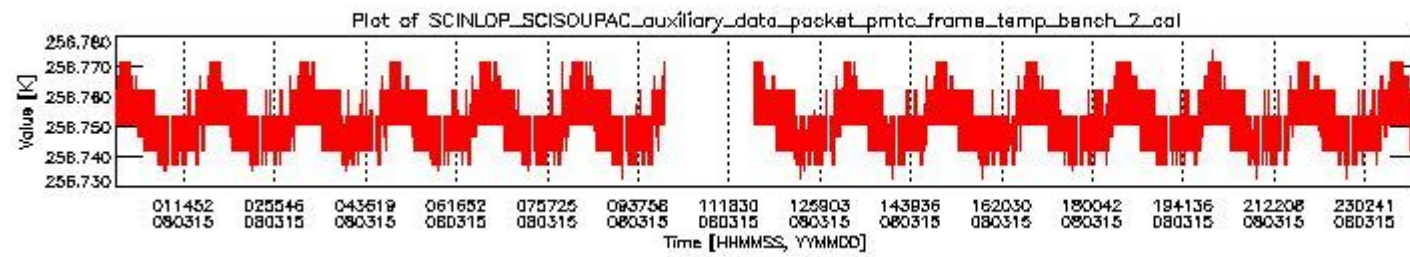
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080314_235615_000064092066_00460_31576_6260.N1	14MAR2008 23:56:15	15MAR2008 01:43:04	1	0	1	0	0
1	SCI_NL__OPNPDE20080315_013747_000064092066_00461_31577_6261.N1	15MAR2008 01:37:47	15MAR2008 03:24:35	1	0	1	0	0
2	SCI_NL__OPNPDE20080315_032026_000064092066_00462_31578_6262.N1	15MAR2008 03:20:26	15MAR2008 05:07:15	1	1	1	0	1
3	SCI_NL__OPNPDK20080315_050211_000063402066_00463_31579_7655.N1	15MAR2008 05:02:11	15MAR2008 06:47:51	0	0	0	0	0
4	SCI_NL__OPNPDK20080315_064751_000059802066_00464_31580_7656.N1	15MAR2008 06:47:51	15MAR2008 08:27:30	0	0	0	0	0
5	SCI_NL__OPNPDK20080315_082622_000060352066_00465_31581_7657.N1	15MAR2008 08:26:22	15MAR2008 10:06:57	0	0	0	0	0
6	SCI_NL__OPNPDK20080315_114637_000059112066_00467_31583_7659.N1	15MAR2008 11:46:37	15MAR2008 13:25:08	0	0	0	0	0
7	SCI_NL__OPNPDK20080315_132359_000059112066_00468_31584_7660.N1	15MAR2008 13:23:59	15MAR2008 15:02:30	0	0	0	0	0
8	SCI_NL__OPNPDK20080315_150134_000059672066_00469_31585_7661.N1	15MAR2008 15:01:34	15MAR2008 16:41:01	0	0	0	0	0
9	SCI_NL__OPNPDK20080315_164006_000059492066_00470_31586_7662.N1	15MAR2008 16:40:06	15MAR2008 18:19:14	0	0	0	0	0
10	SCI_NL__OPNPDK20080315_181818_000060352066_00471_31587_7663.N1	15MAR2008 18:18:18	15MAR2008 19:58:54	0	0	0	0	0
11	SCI_NL__OPNPDK20080315_195813_000061072066_00472_31588_7664.N1	15MAR2008 19:58:13	15MAR2008 21:40:00	0	0	0	0	0
12	SCI_NL__OPNPDE20080315_213904_000066322066_00473_31589_6263.N1	15MAR2008 21:39:04	15MAR2008 23:29:37	1	0	1	0	0
13	SCI_NL__OPNPDE20080315_232432_000064092066_00474_31590_6264.N1	15MAR2008 23:24:32	16MAR2008 01:11:21	1	0	1	0	0

0.2 Product Quality Indicators

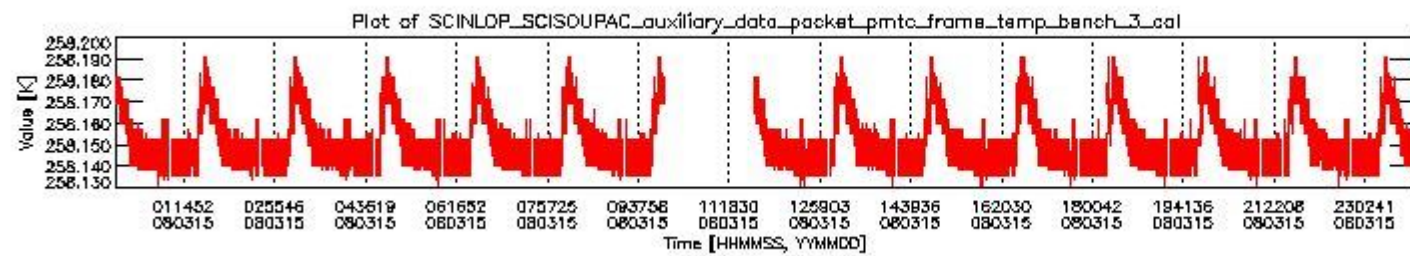
This section shows information about product quality, currently temperatures.



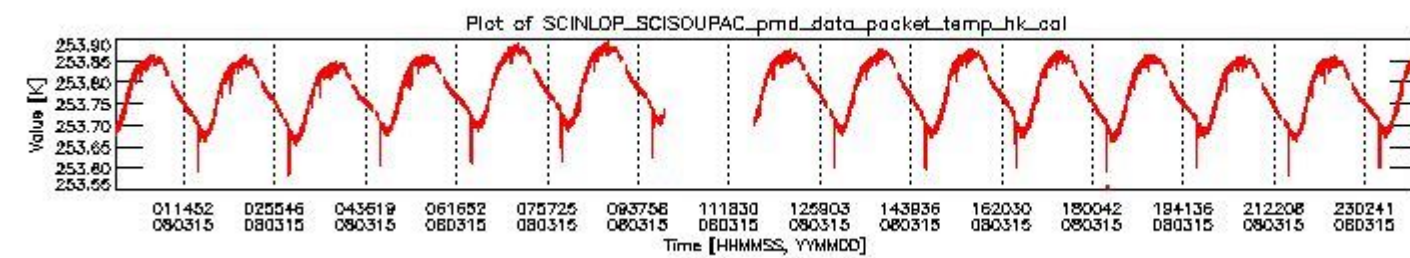
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080315_0.PNG



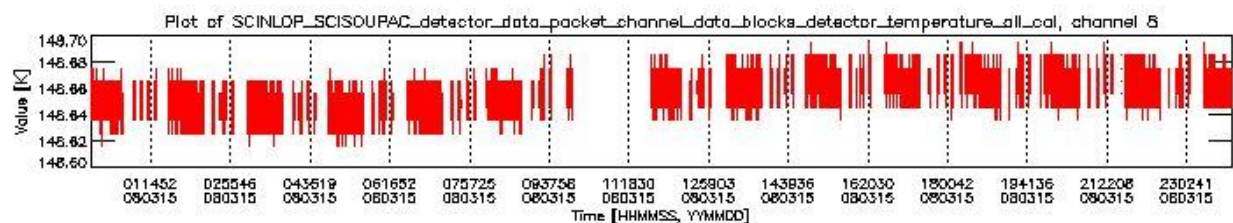
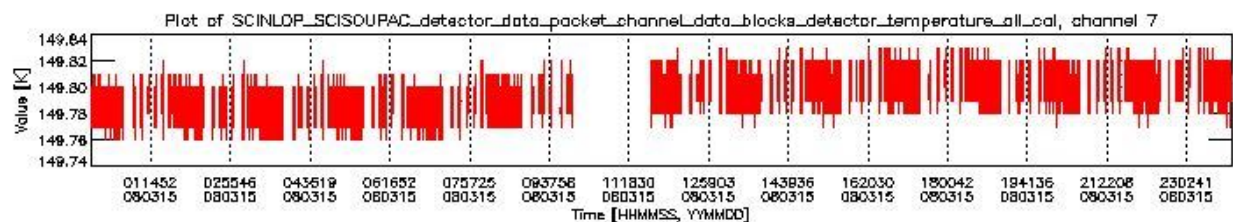
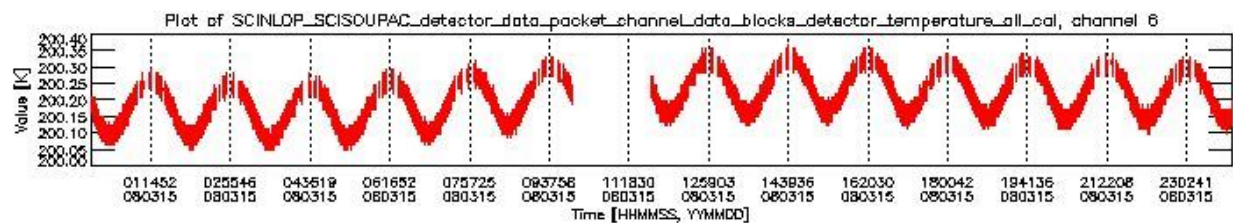
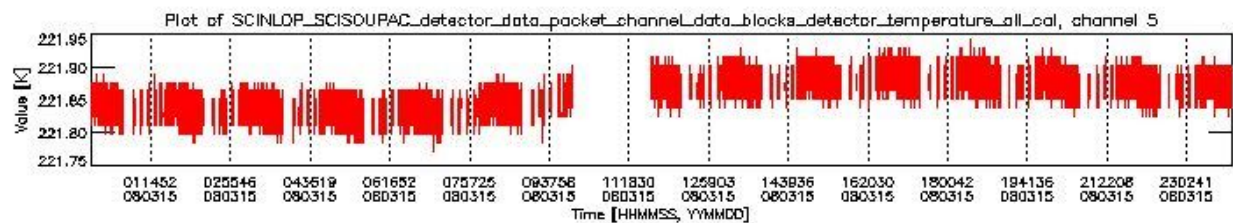
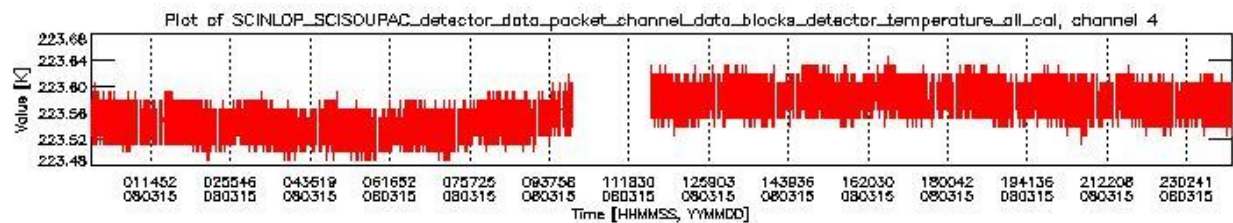
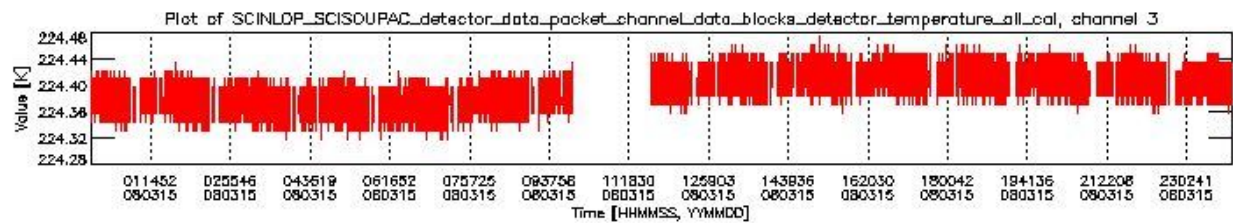
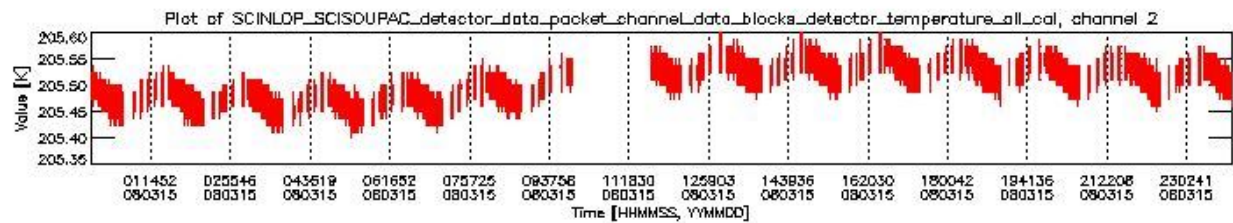
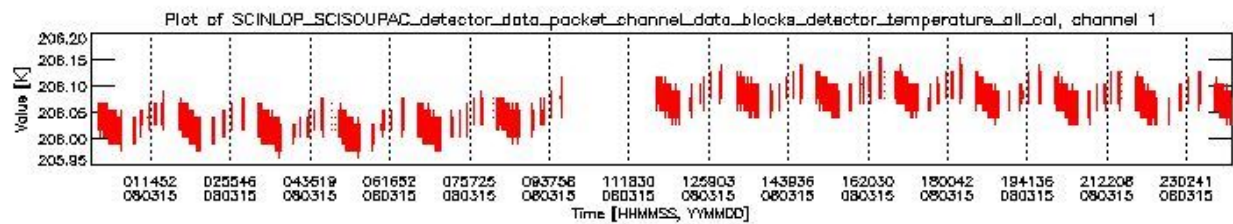
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080315_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080315_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080315_3.PNG

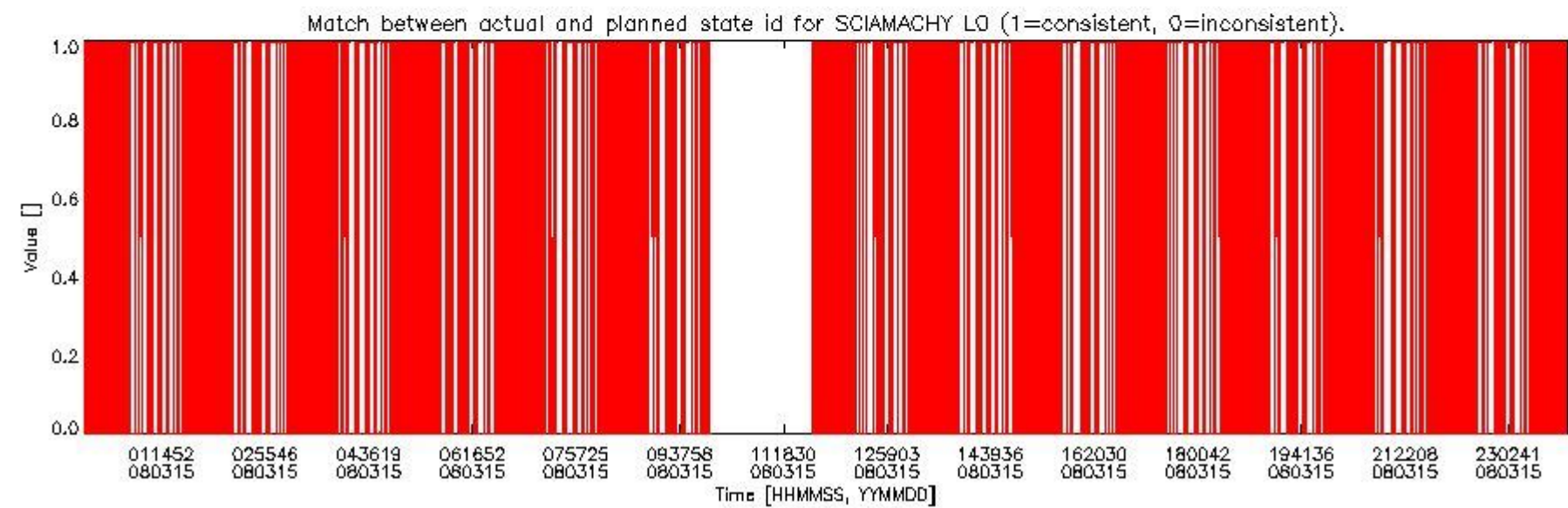
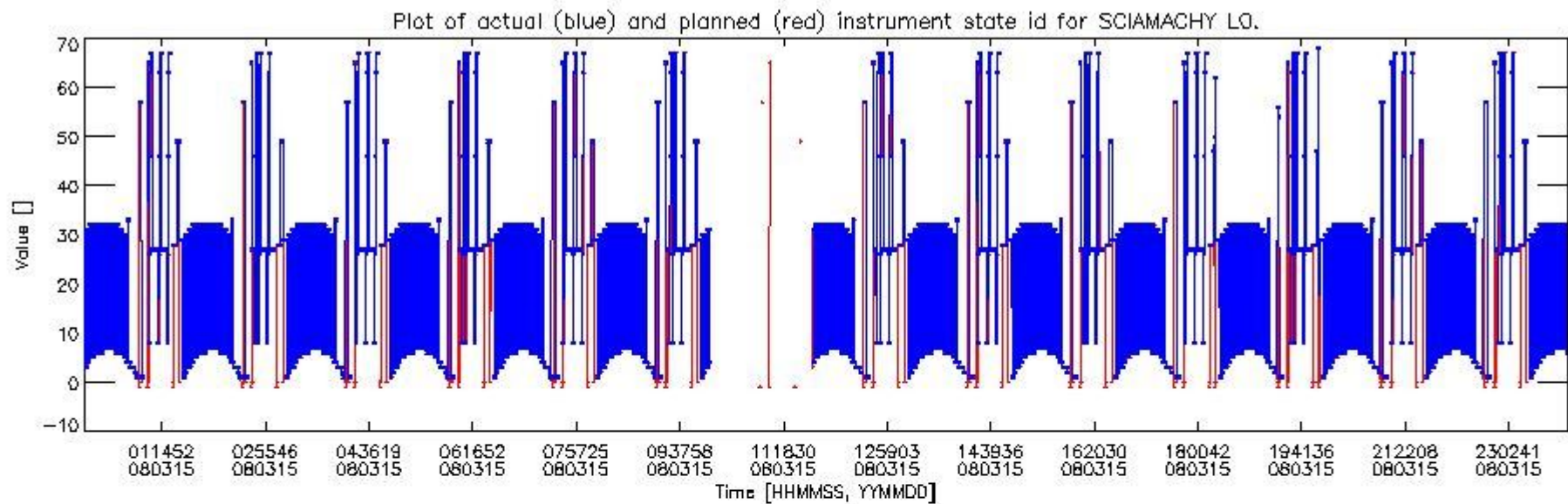


0.3 State monitoring

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: **31641**

#	Actual time	Actual value	Planned time	Planned value
0	15MAR2008 00:00:24.684155	31	15MAR2008 00:00:24.684155	3
1	15MAR2008 00:00:25.309137	31	15MAR2008 00:00:25.309137	3
2	15MAR2008 00:00:25.684150	31	15MAR2008 00:00:25.684150	3
3	15MAR2008 00:00:26.059122	31	15MAR2008 00:00:26.059122	3
4	15MAR2008 00:00:26.621622	31	15MAR2008 00:00:26.621622	3
5	15MAR2008 00:00:26.996635	31	15MAR2008 00:00:26.996635	3
6	15MAR2008 00:00:27.371648	31	15MAR2008 00:00:27.371648	3
7	15MAR2008 00:00:27.746621	31	15MAR2008 00:00:27.746621	3
8	15MAR2008 00:00:28.309120	31	15MAR2008 00:00:28.309120	3
9	15MAR2008 00:00:28.684133	31	15MAR2008 00:00:28.684133	3
10	15MAR2008 00:00:29.059146	31	15MAR2008 00:00:29.059146	3
11	15MAR2008 00:00:29.434159	31	15MAR2008 00:00:29.434159	3
12	15MAR2008 00:00:29.684128	31	15MAR2008 00:00:29.684128	3
13	15MAR2008 00:00:29.996659	31	15MAR2008 00:00:29.996659	3
14	15MAR2008 00:00:30.371632	31	15MAR2008 00:00:30.371632	3
15	15MAR2008 00:00:30.746645	31	15MAR2008 00:00:30.746645	3
16	15MAR2008 00:00:31.121658	31	15MAR2008 00:00:31.121658	3
17	15MAR2008 00:00:31.684157	31	15MAR2008 00:00:31.684157	3
18	15MAR2008 00:01:20.555226	3	15MAR2008 00:01:20.555226	31
19	15MAR2008 00:01:20.805235	3	15MAR2008 00:01:20.805235	31

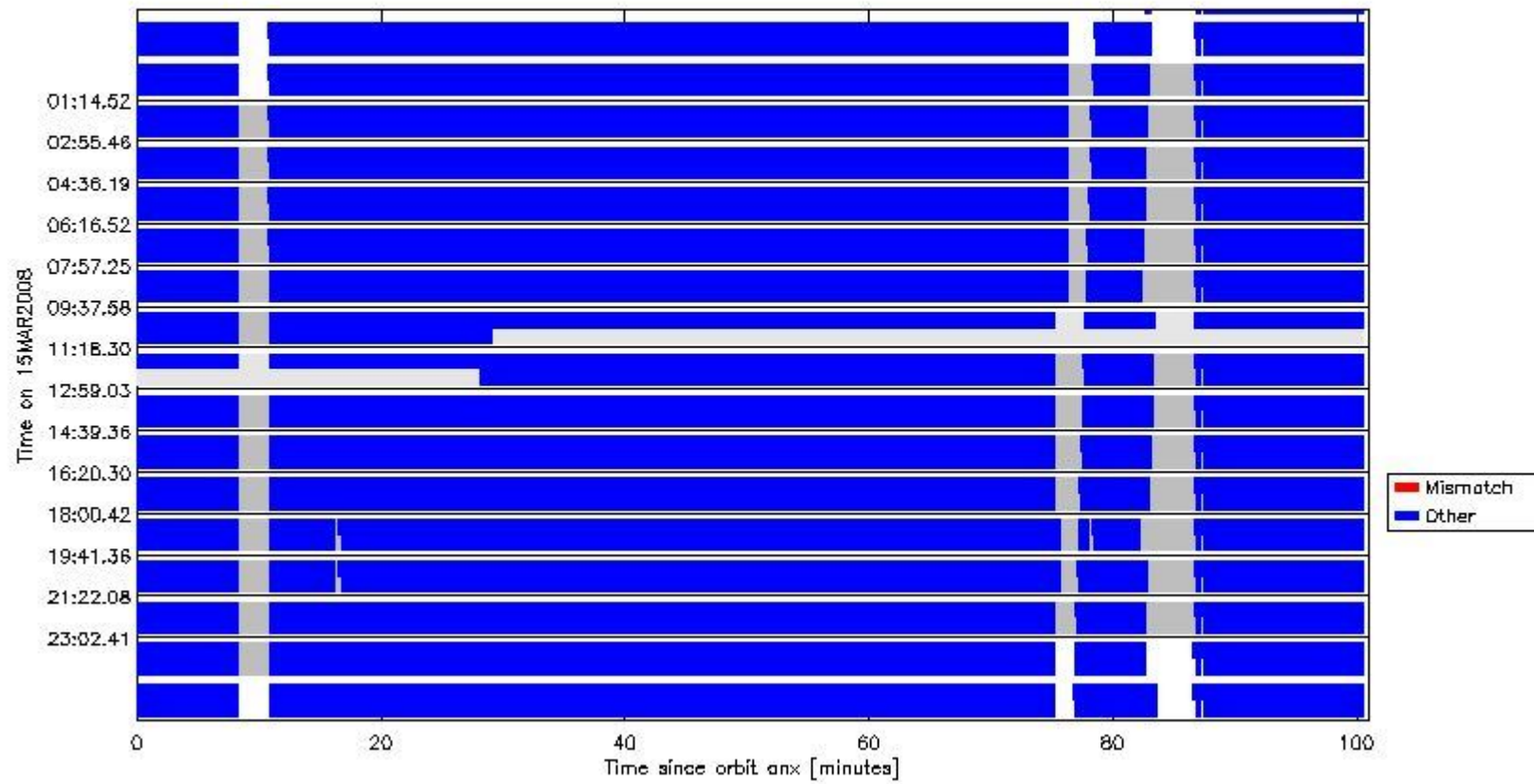


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080315_5.PNG

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 15MAR2008.
 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_20080315_6.PNG

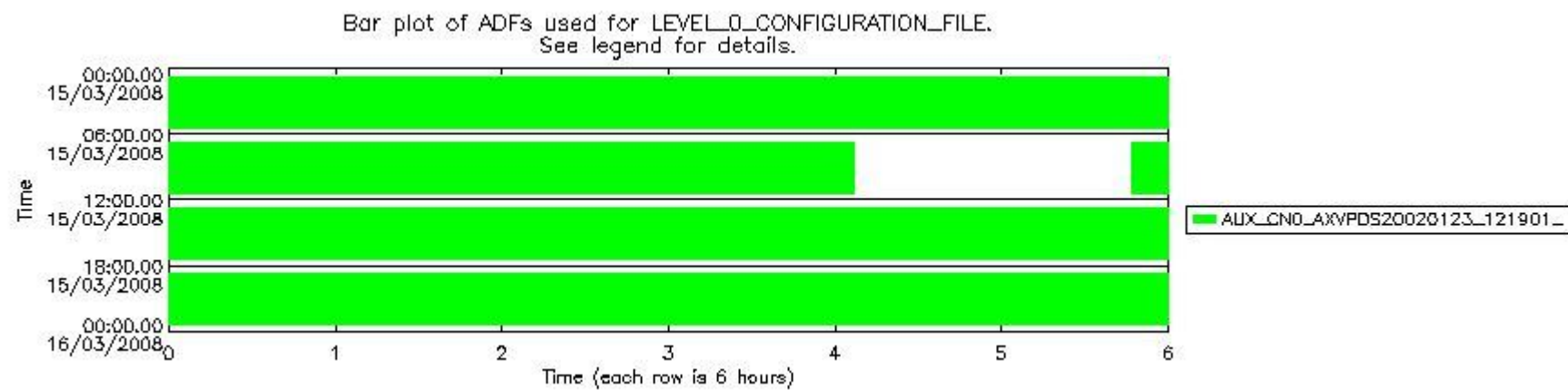
0.4 ADF monitoring

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

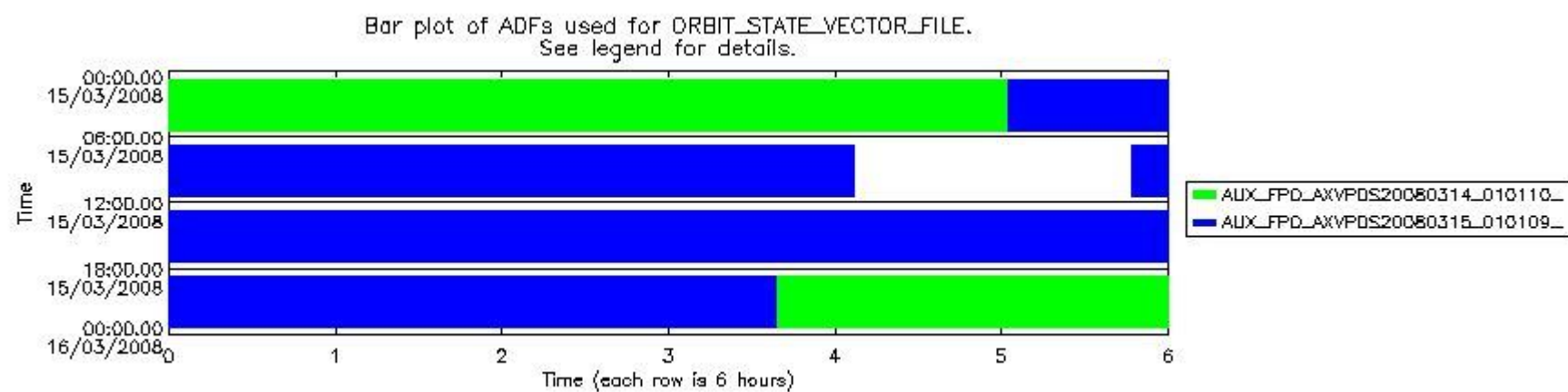
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

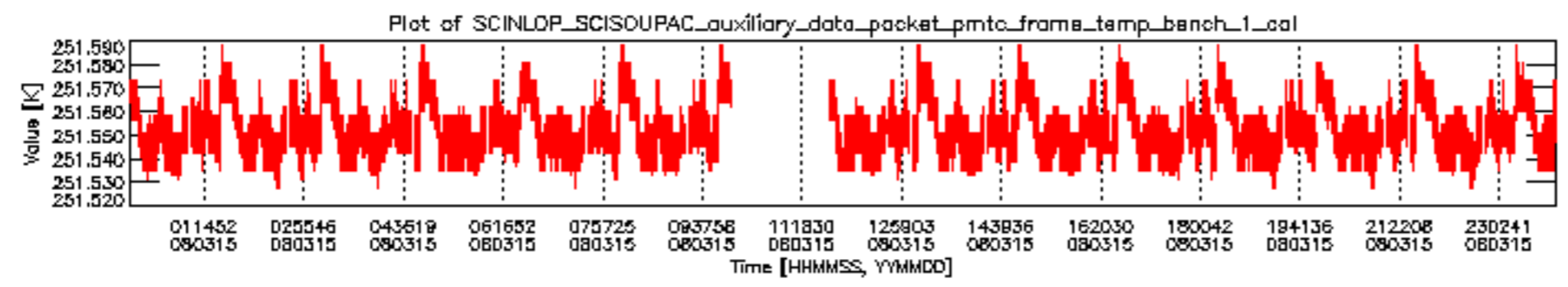
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080314_010110_20080313_190411_20080323_203025
2	AUX_FPO_AXVPDS20080315_010109_20080314_183234_20080324_213924

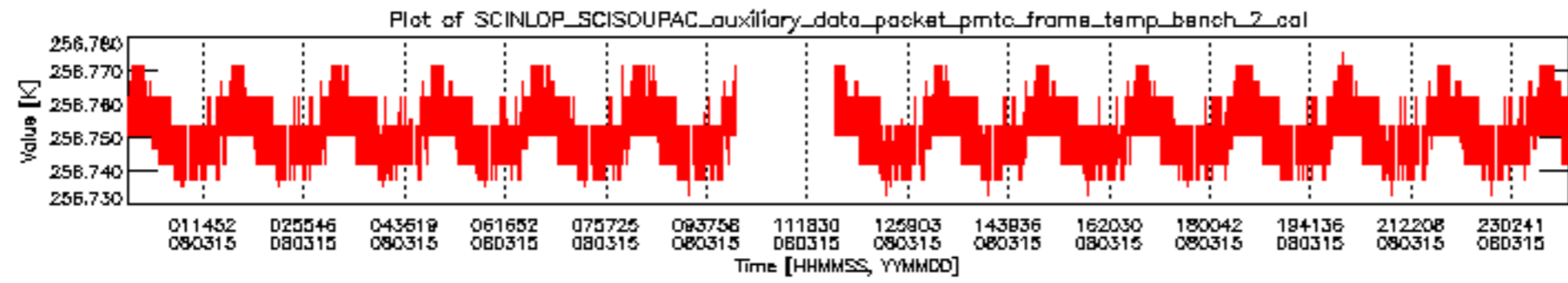


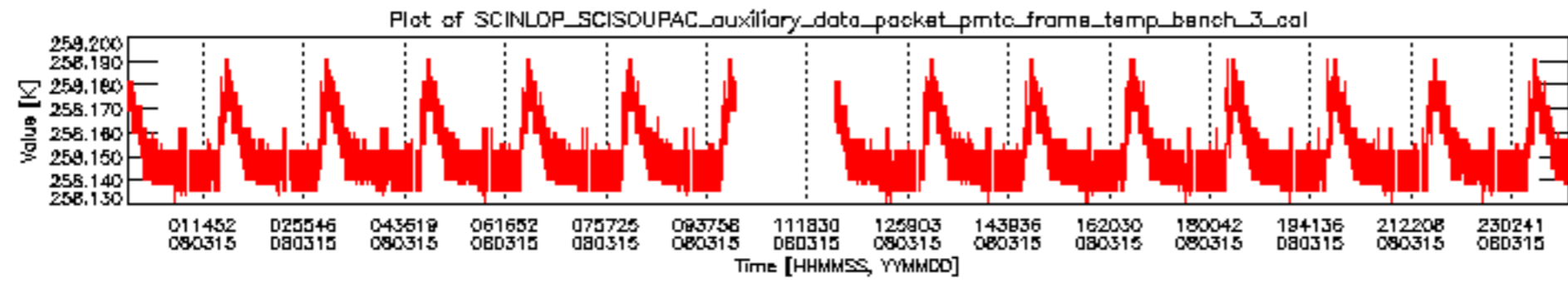
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080315_7.PNG

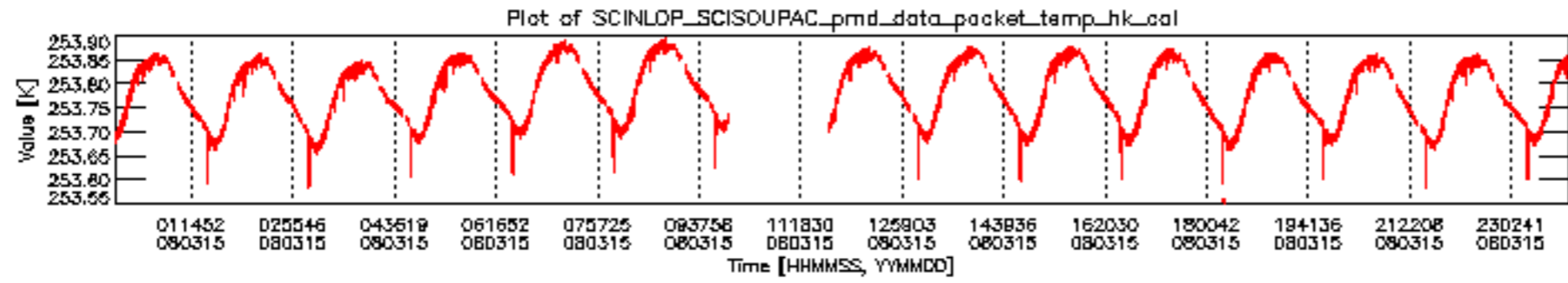


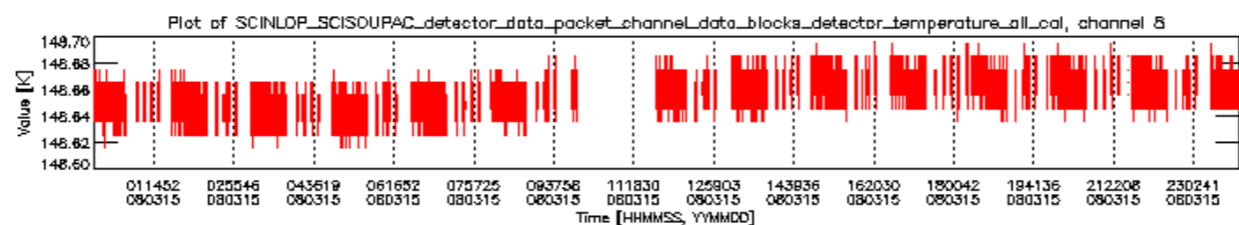
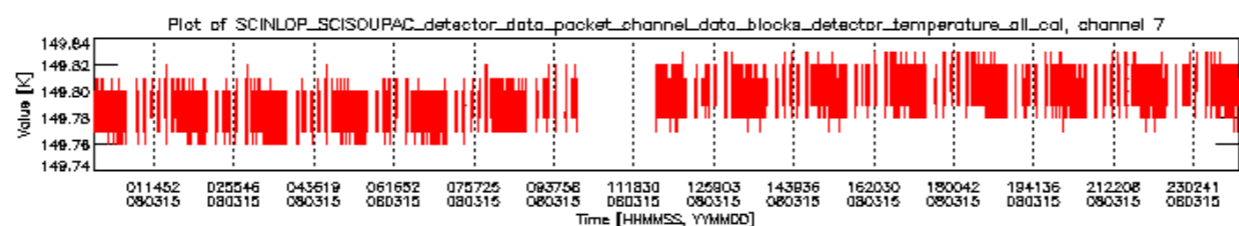
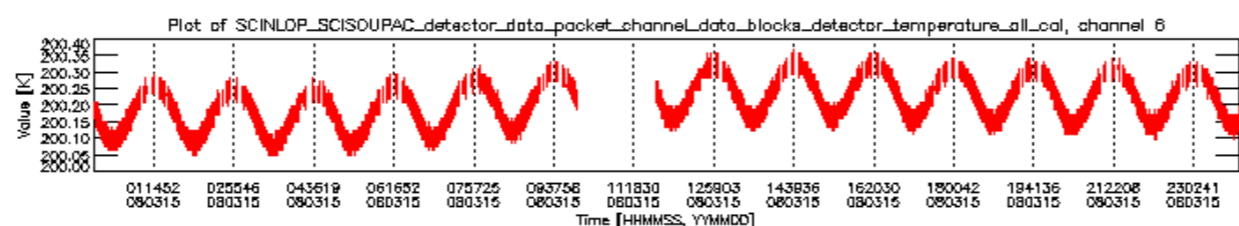
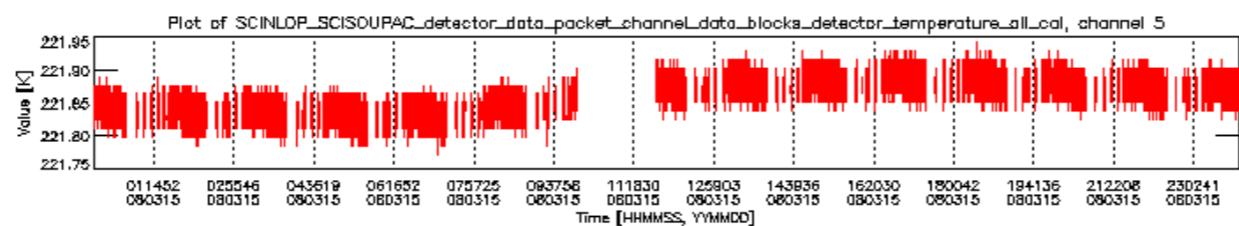
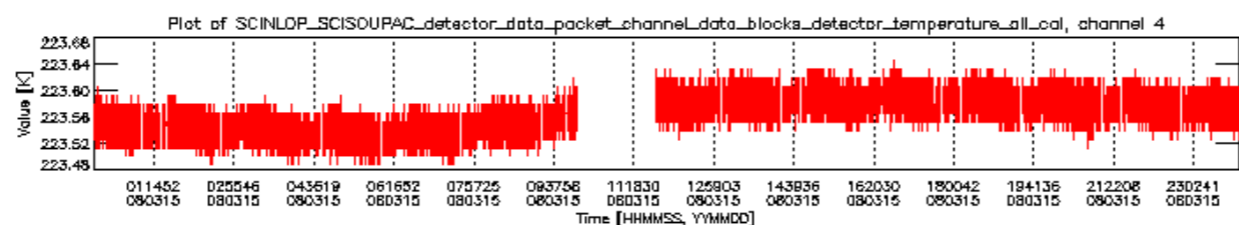
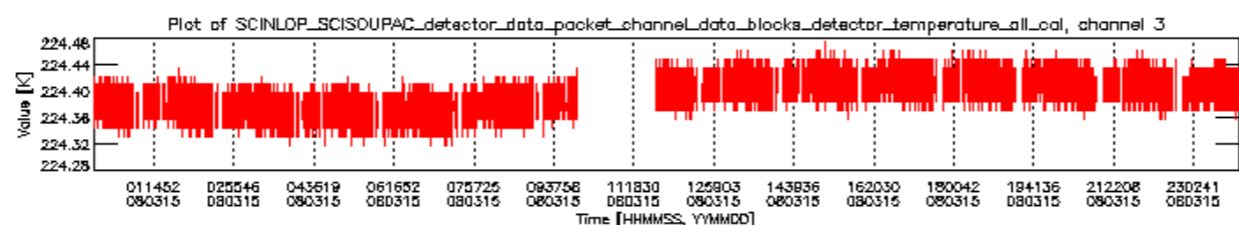
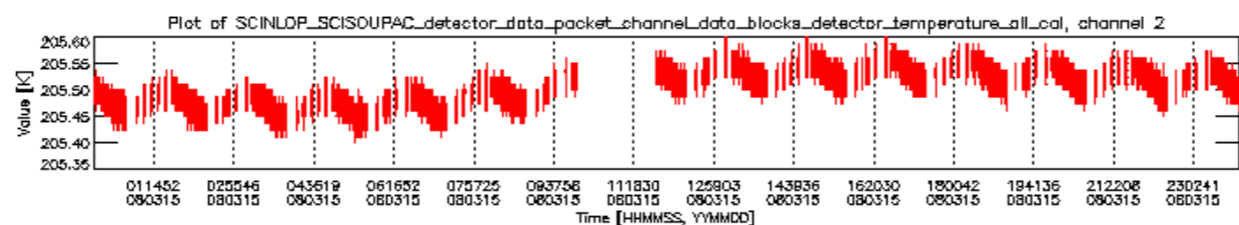
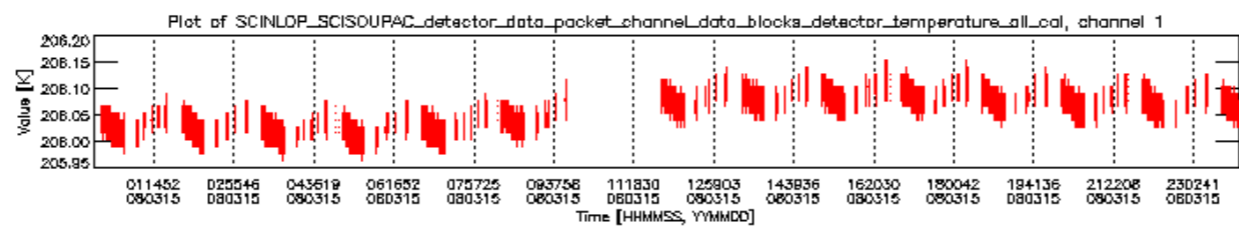
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080315_8.PNG

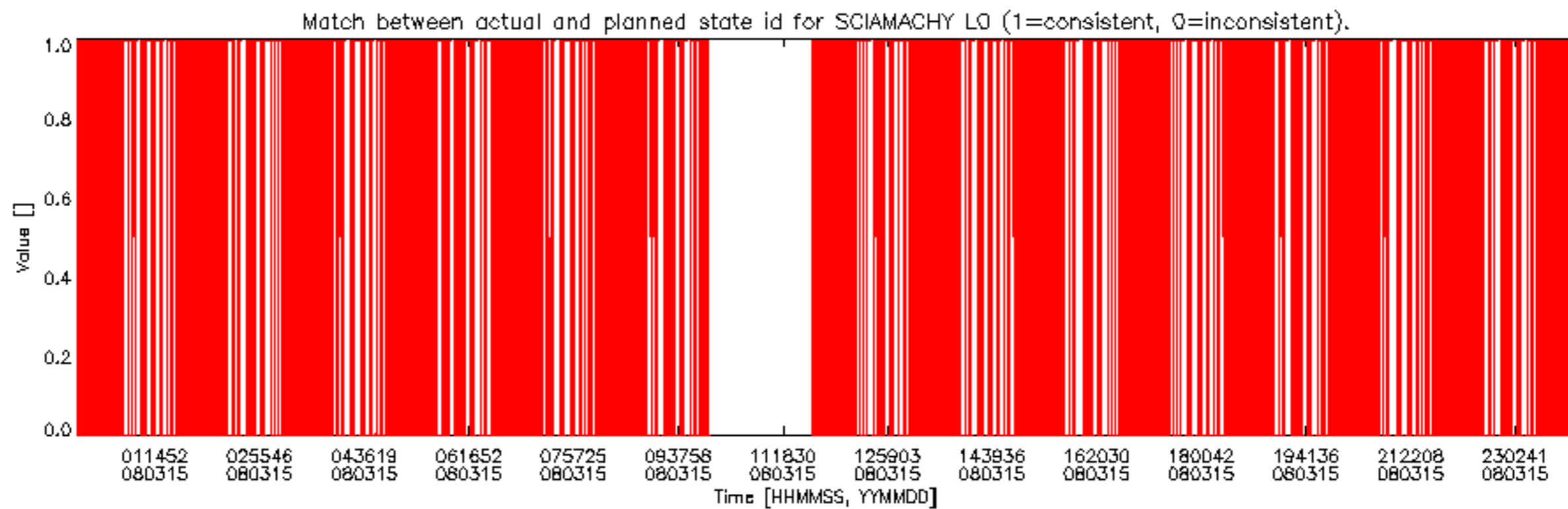
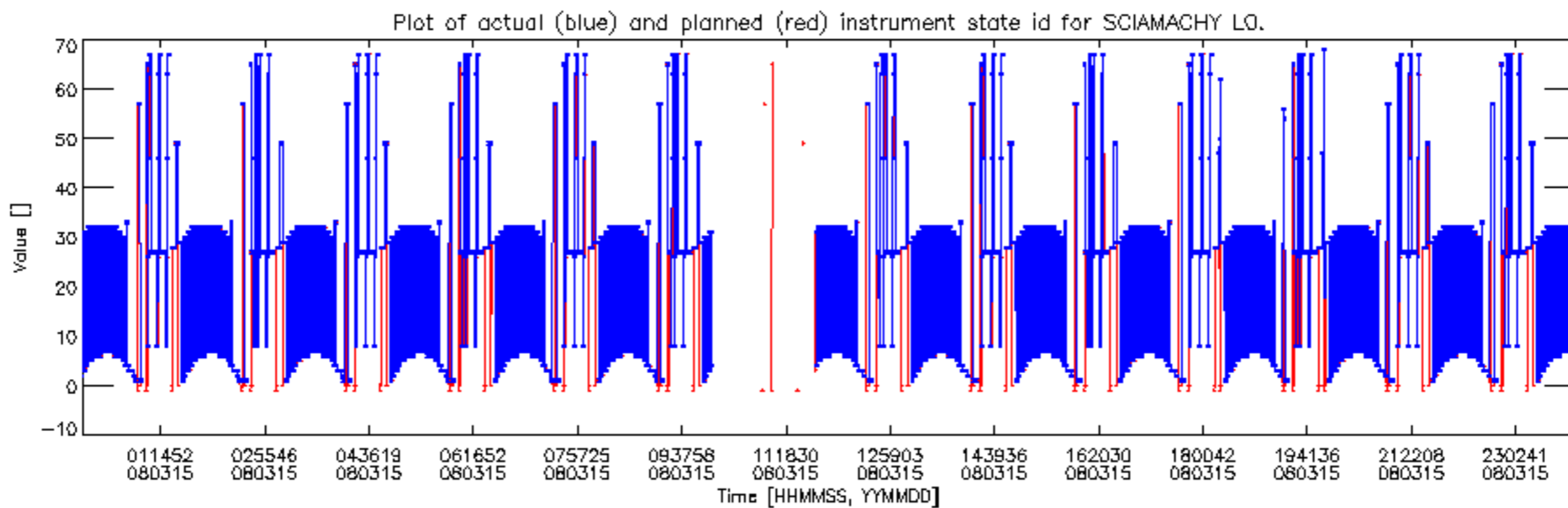




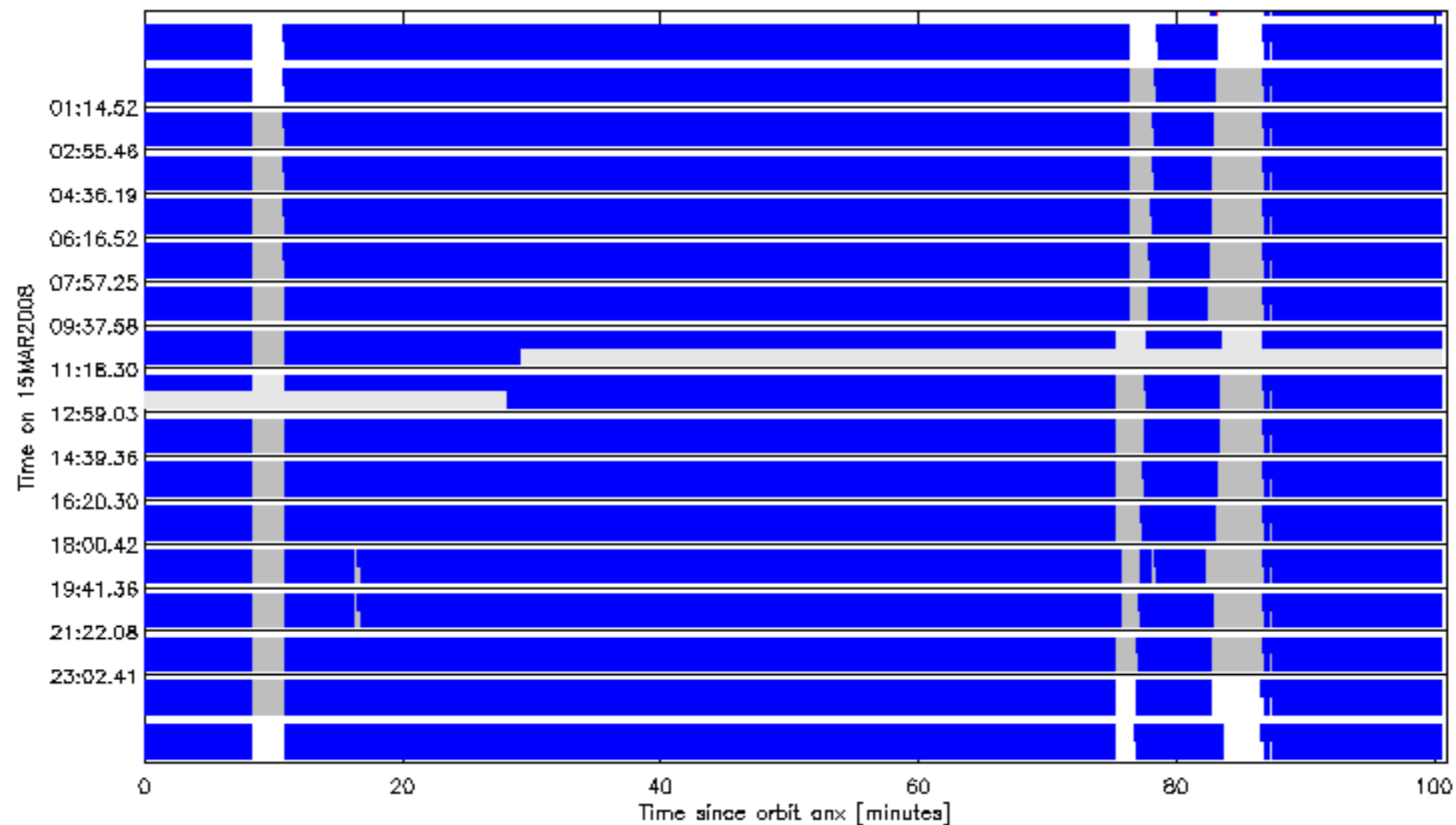


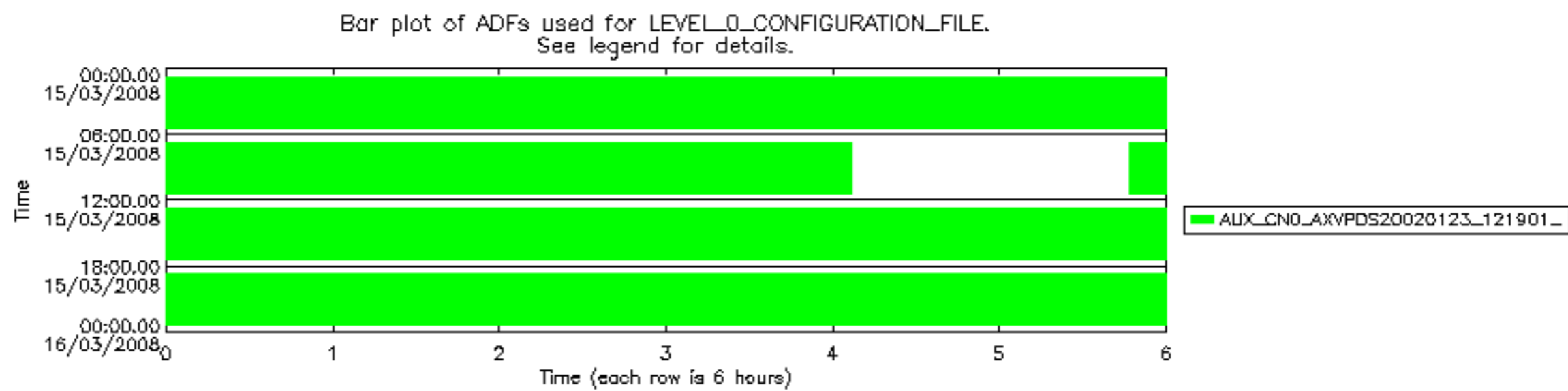






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

