

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	12MAR2008 03:58:55
Data source version	KSPT_L0/4303-N
Processing scope for products	08MAR2008 00:00:00 to 09MAR2008 00:00:00
Start time of first product within scope	07MAR2008 22:31:42
Stop time of last product within scope	09MAR2008 01:31:18
Total number of level 0 products	16
Number of level 0 products with errors	5

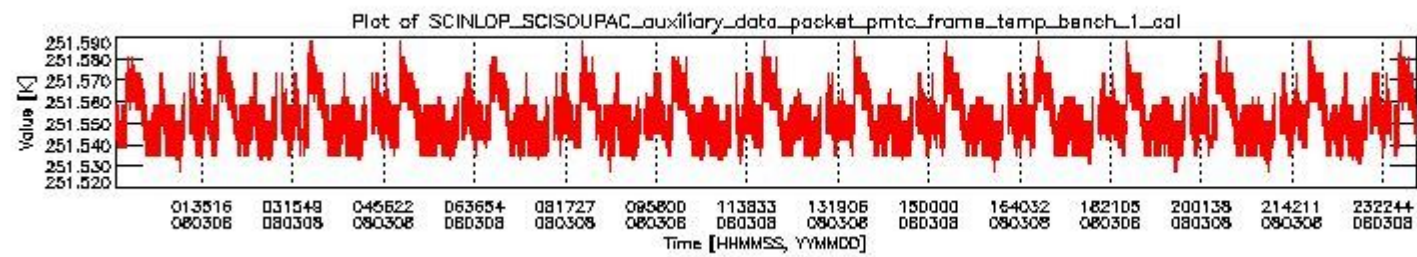
0.1.2 Summary per product

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

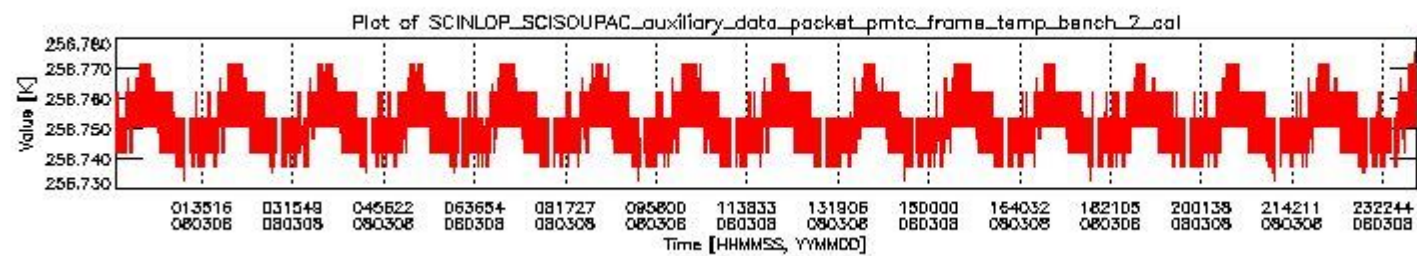
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080307_223142_000066322066_00359_31475_6226.N1	07MAR2008 22:31:42	08MAR2008 00:22:14	1	0	1	0	0
1	SCI_NL__OPNPDE20080308_001709_000063532066_00360_31476_6227.N1	08MAR2008 00:17:09	08MAR2008 02:03:02	1	0	1	0	0
2	SCI_NL__OPNPDE20080308_015745_000064652066_00361_31477_6228.N1	08MAR2008 01:57:45	08MAR2008 03:45:29	1	0	1	0	0
3	SCI_NL__OPNPDE20080308_034025_000064772066_00362_31478_6229.N1	08MAR2008 03:40:25	08MAR2008 05:28:22	0	0	0	0	0
4	SCI_NL__OPNPDK20080308_052100_000064092066_00363_31479_7587.N1	08MAR2008 05:21:00	08MAR2008 07:07:49	0	0	0	0	0
5	SCI_NL__OPNPDK20080308_070749_000059802066_00364_31480_7588.N1	08MAR2008 07:07:49	08MAR2008 08:47:28	0	0	0	0	0
6	SCI_NL__OPNPDK20080308_084728_000059672066_00365_31481_7589.N1	08MAR2008 08:47:28	08MAR2008 10:26:55	0	0	0	0	0
7	SCI_NL__OPNPDK20080308_102547_000059802066_00366_31482_7590.N1	08MAR2008 10:25:47	08MAR2008 12:05:26	0	0	0	0	0
8	SCI_NL__OPNPDK20080308_120322_000060912066_00367_31483_7591.N1	08MAR2008 12:03:22	08MAR2008 13:44:53	0	0	0	0	0
9	SCI_NL__OPNPDK20080308_134357_000059802066_00368_31484_7592.N1	08MAR2008 13:43:57	08MAR2008 15:23:37	0	0	0	0	0
10	SCI_NL__OPNPDK20080308_152132_000059672066_00369_31485_7593.N1	08MAR2008 15:21:32	08MAR2008 17:00:59	0	0	0	0	0
11	SCI_NL__OPNPDK20080308_165908_000059652066_00370_31486_7594.N1	08MAR2008 16:59:08	08MAR2008 18:38:33	0	0	0	0	0
12	SCI_NL__OPNPDK20080308_183753_000059522066_00371_31487_7595.N1	08MAR2008 18:37:53	08MAR2008 20:17:05	0	0	0	0	0
13	SCI_NL__OPNPDK20080308_201705_000060352066_00372_31488_7596.N1	08MAR2008 20:17:05	08MAR2008 21:57:40	0	0	0	0	0
14	SCI_NL__OPNPDE20080308_215740_000067702066_00373_31489_6230.N1	08MAR2008 21:57:40	08MAR2008 23:50:30	1	0	1	0	0
15	SCI_NL__OPNPDE20080308_234225_000065332066_00374_31490_6231.N1	08MAR2008 23:42:25	09MAR2008 01:31:18	1	0	1	0	0

0.2 Product Quality Indicators

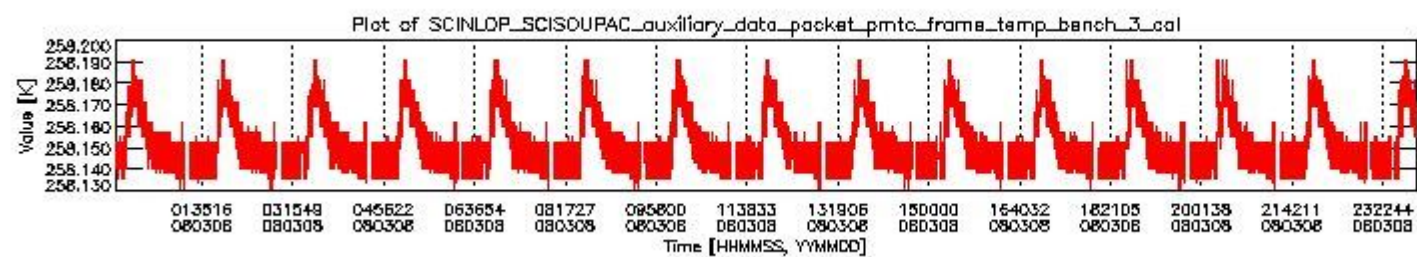
This section shows information about product quality, currently temperatures.



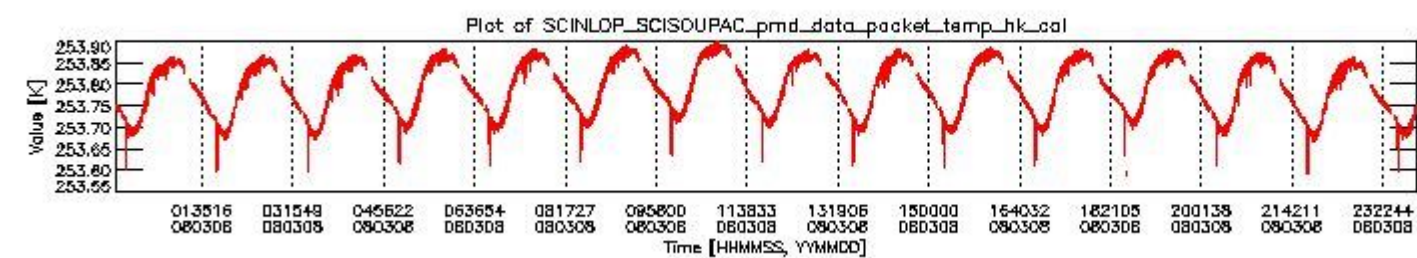
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080308_0.PNG



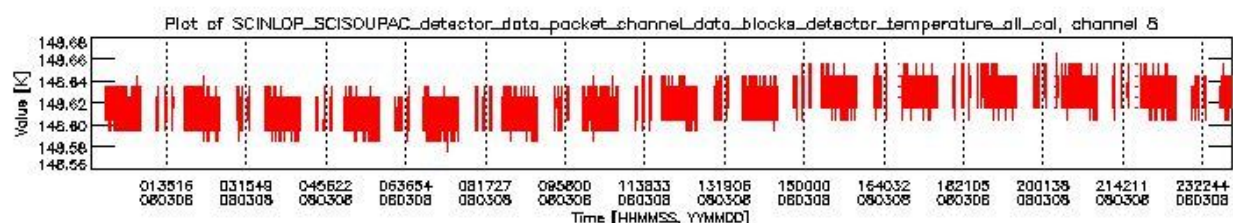
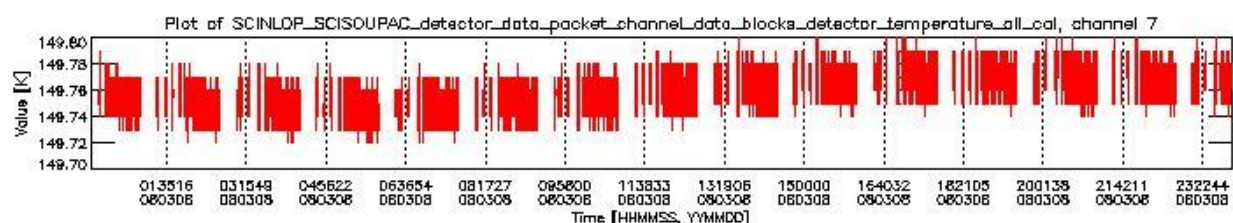
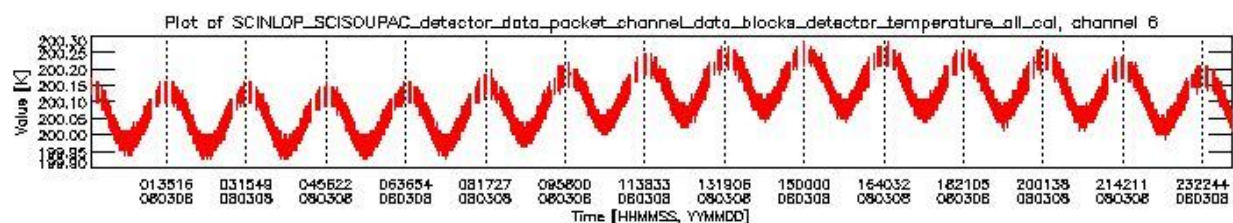
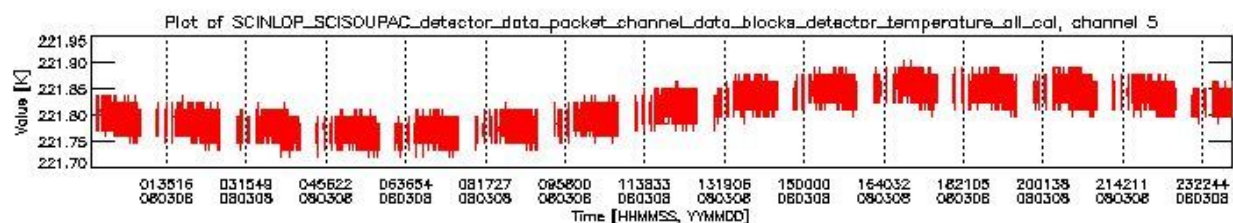
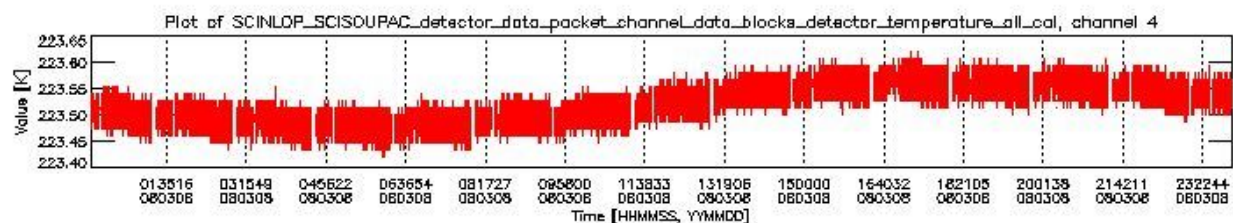
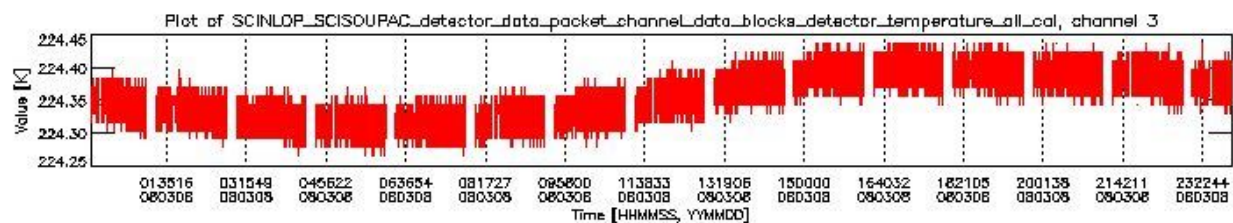
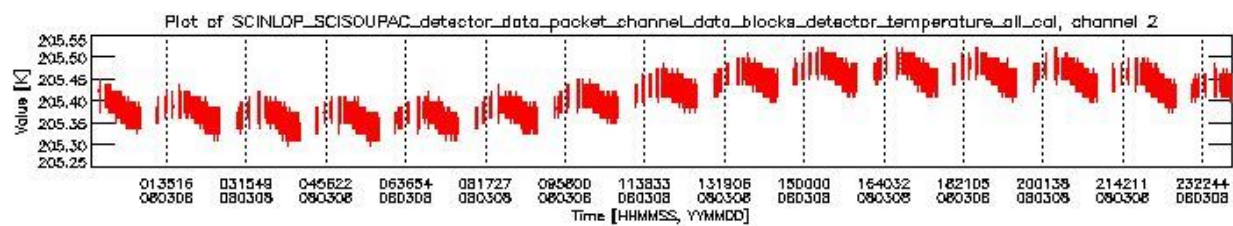
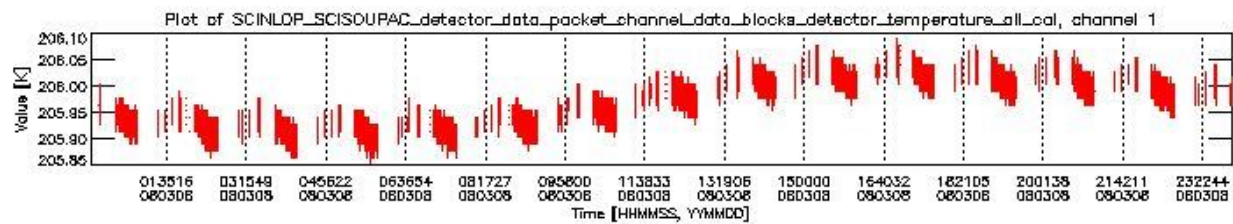
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080308_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080308_3.PNG

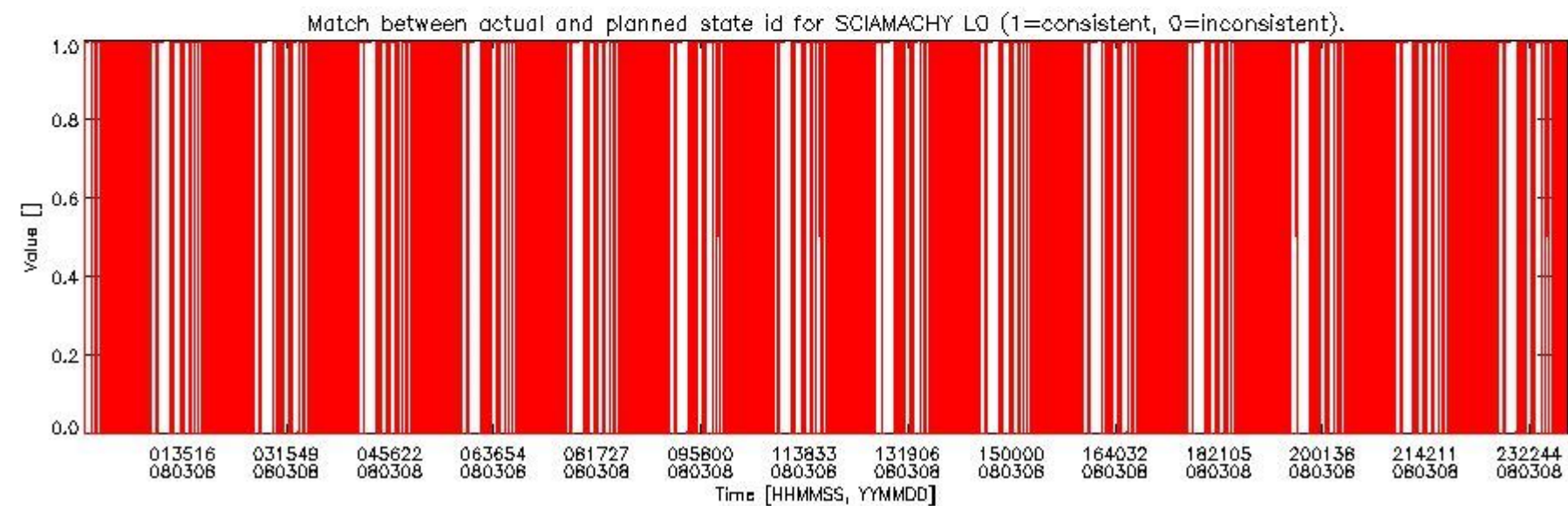
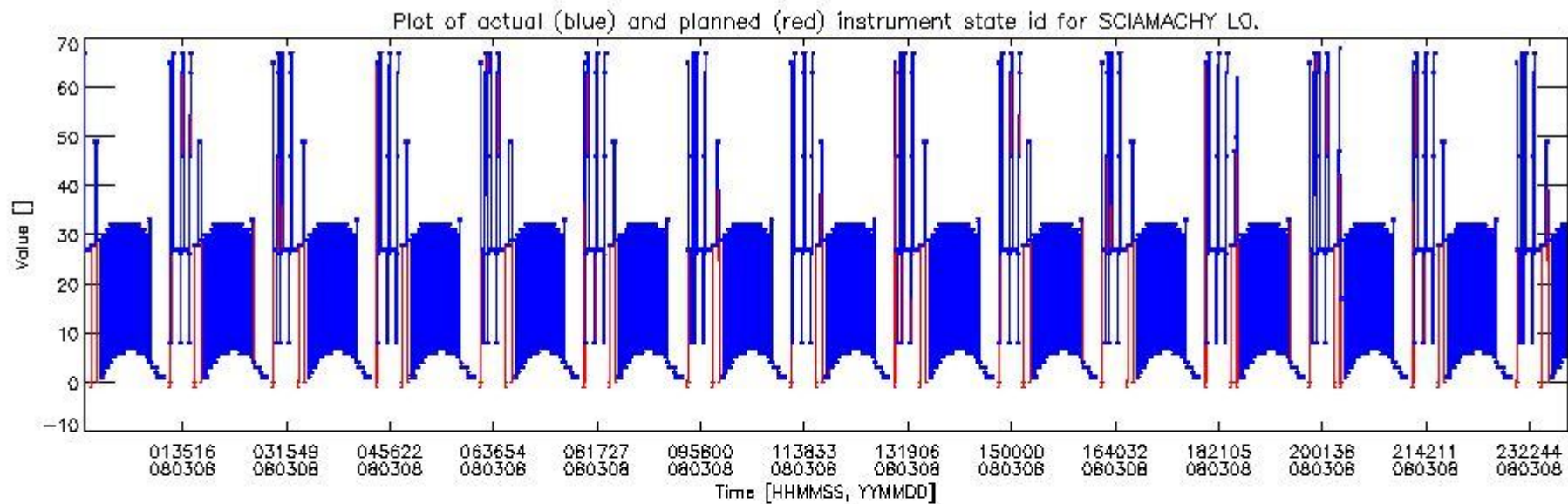


0.3 State monitoring

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: **34771**

#	Actual time	Actual value	Planned time	Planned value
0	08MAR2008 00:00:12.934792	27	08MAR2008 00:00:12.934792	67
1	08MAR2008 00:00:13.934827	27	08MAR2008 00:00:13.934827	67
2	08MAR2008 00:00:14.872299	27	08MAR2008 00:00:14.872299	67
3	08MAR2008 00:00:15.622325	27	08MAR2008 00:00:15.622325	67
4	08MAR2008 00:00:16.559798	27	08MAR2008 00:00:16.559798	67
5	08MAR2008 00:00:17.309824	27	08MAR2008 00:00:17.309824	67
6	08MAR2008 00:00:17.934805	27	08MAR2008 00:00:17.934805	67
7	08MAR2008 00:00:18.247296	27	08MAR2008 00:00:18.247296	67
8	08MAR2008 00:00:18.997322	27	08MAR2008 00:00:18.997322	67
9	08MAR2008 00:00:19.934794	27	08MAR2008 00:00:19.934794	67
10	08MAR2008 00:00:20.684820	27	08MAR2008 00:00:20.684820	67
11	08MAR2008 00:06:15.282495	28	08MAR2008 00:06:15.282495	0
12	08MAR2008 00:06:15.907516	28	08MAR2008 00:06:15.907516	0
13	08MAR2008 00:06:16.282489	28	08MAR2008 00:06:16.282489	0
14	08MAR2008 00:06:16.657502	28	08MAR2008 00:06:16.657502	0
15	08MAR2008 00:06:17.220002	28	08MAR2008 00:06:17.220002	0
16	08MAR2008 00:06:17.595015	28	08MAR2008 00:06:17.595015	0
17	08MAR2008 00:06:17.970028	28	08MAR2008 00:06:17.970028	0
18	08MAR2008 00:06:18.345001	28	08MAR2008 00:06:18.345001	0
19	08MAR2008 00:06:18.907500	28	08MAR2008 00:06:18.907500	0
...

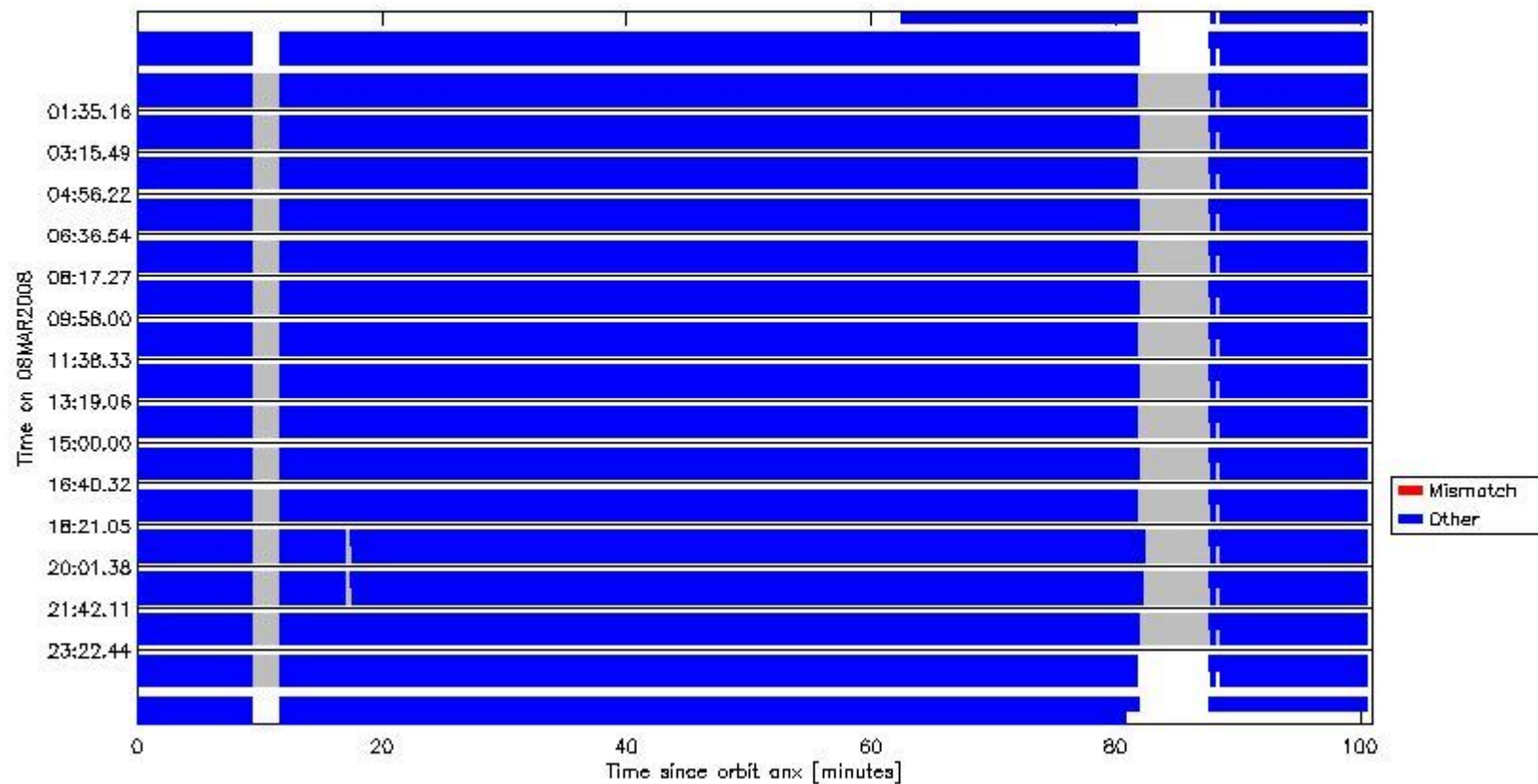


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080308_5.PNG

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 08MAR2008.
 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_20080308_6.PNG

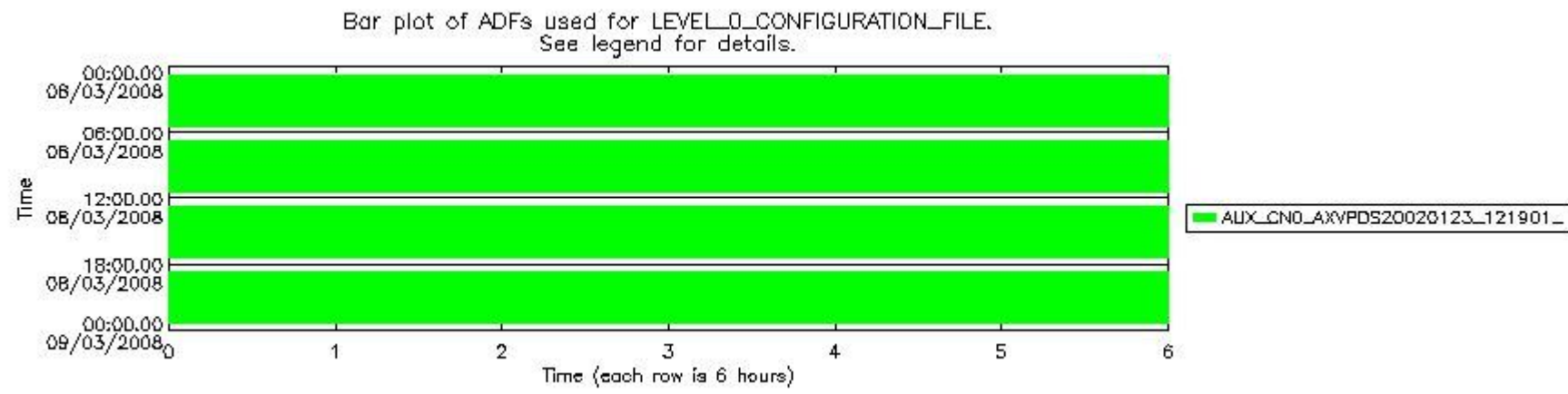
0.4 ADF monitoring

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

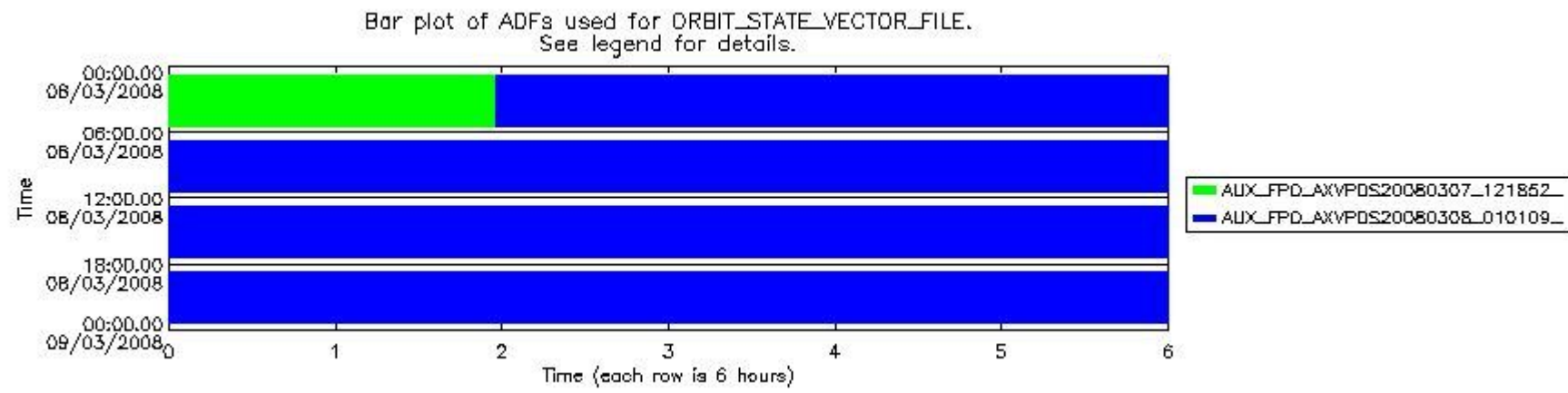
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

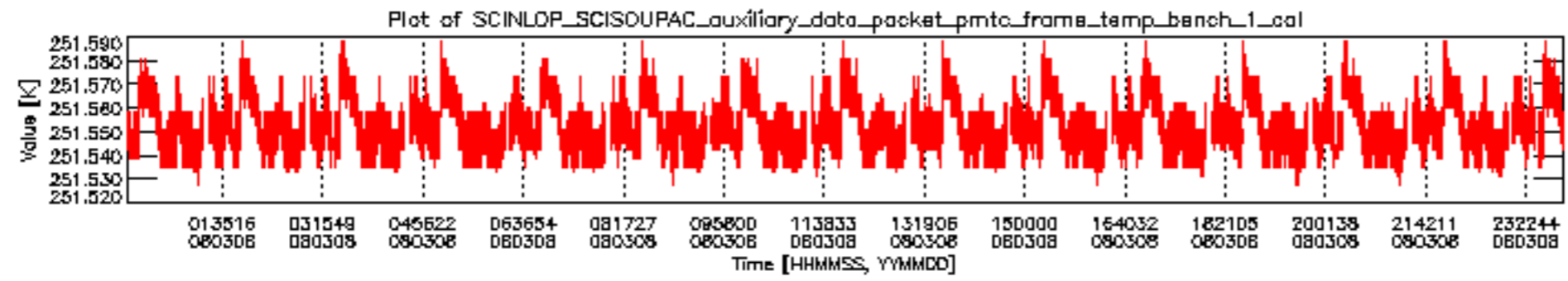
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080307_121852_20080306_192418_20080316_205032
2	AUX_FPO_AXVPDS20080308_010109_20080307_185241_20080317_201855

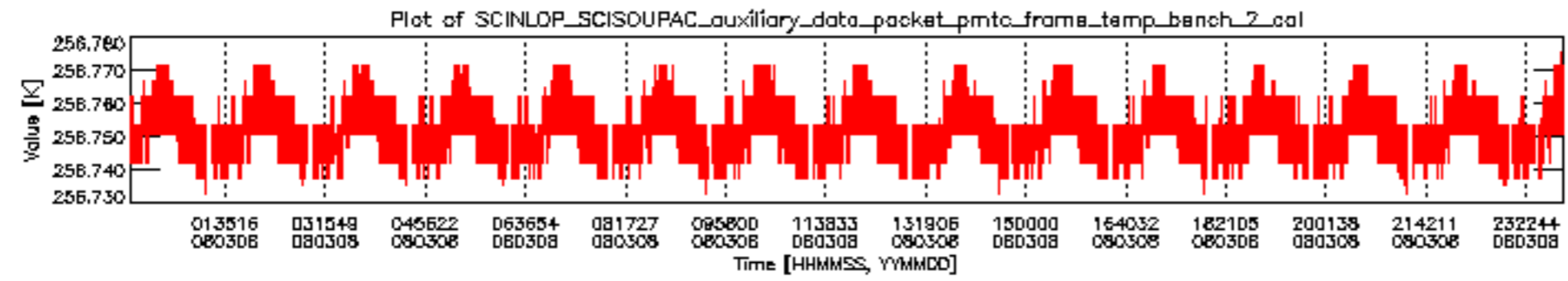


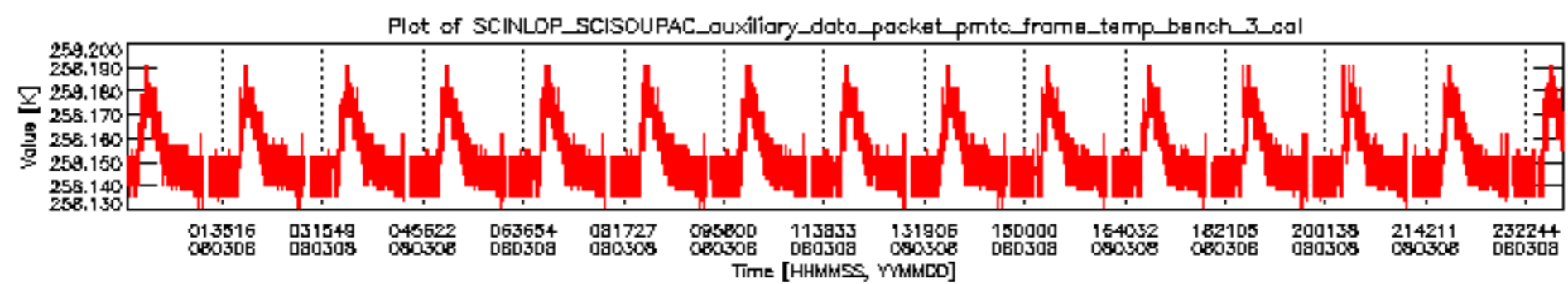
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080308_7.PNG

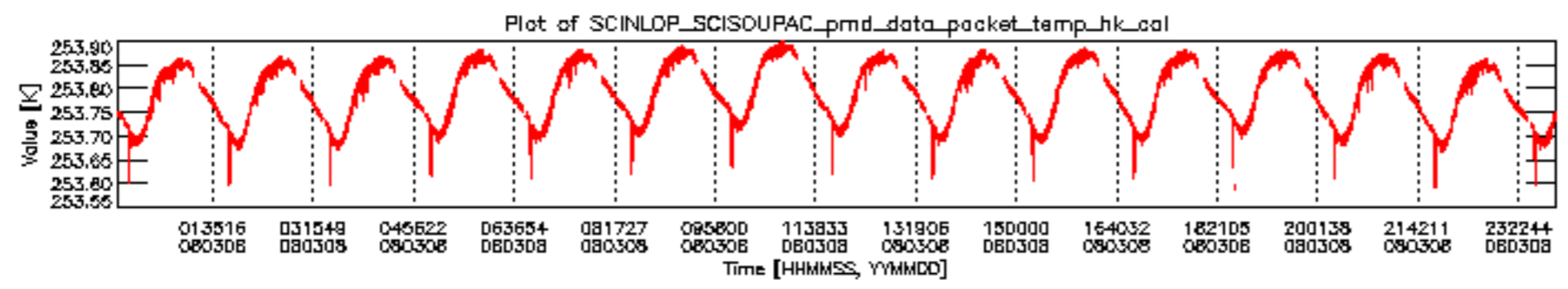


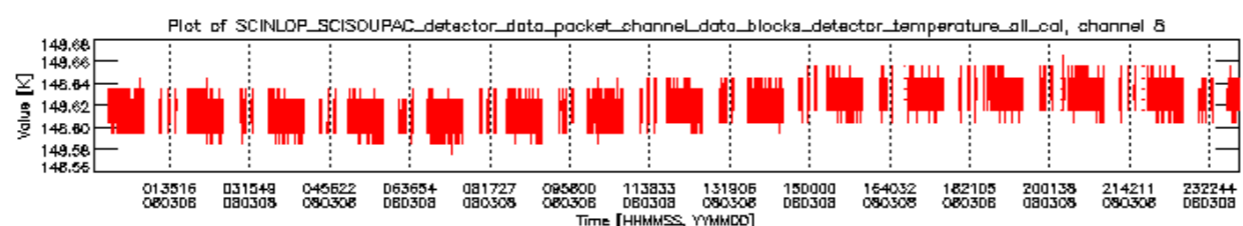
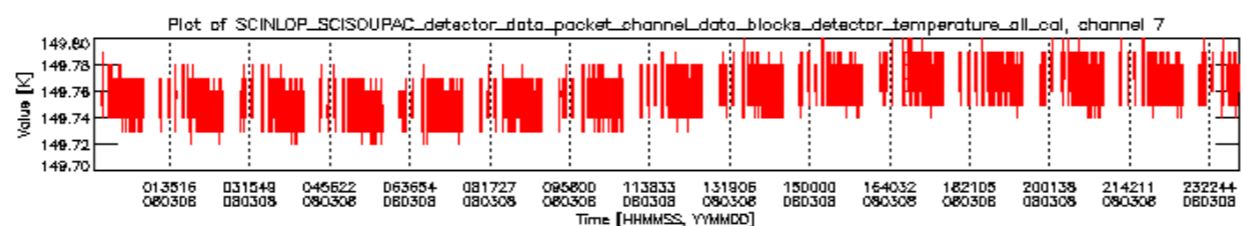
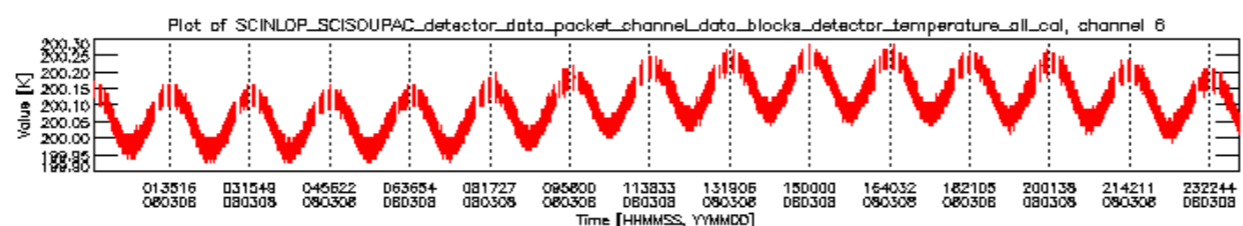
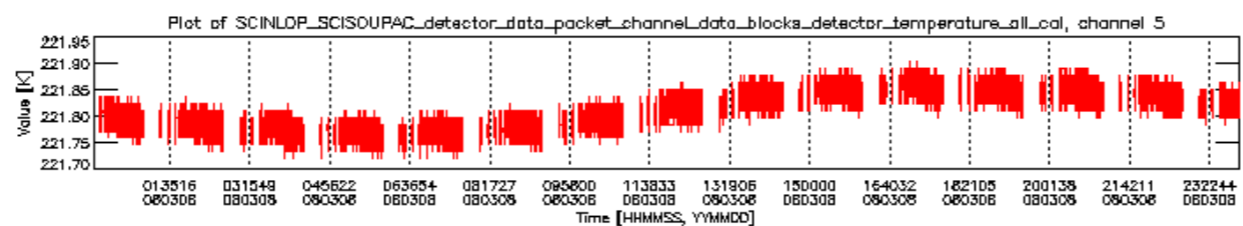
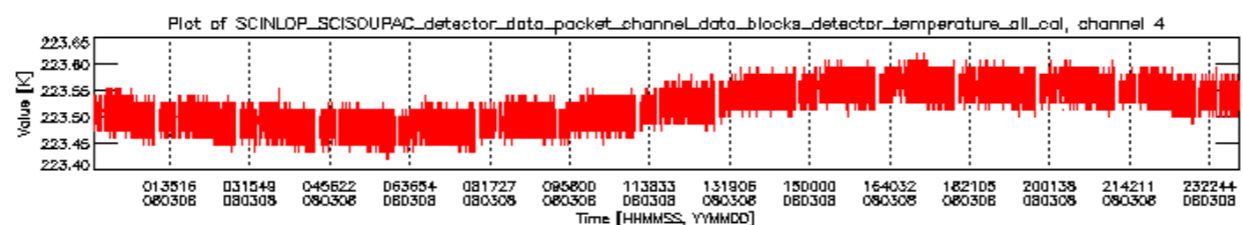
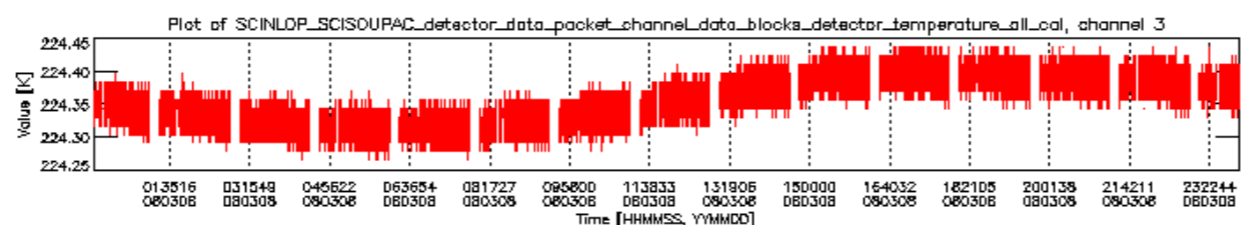
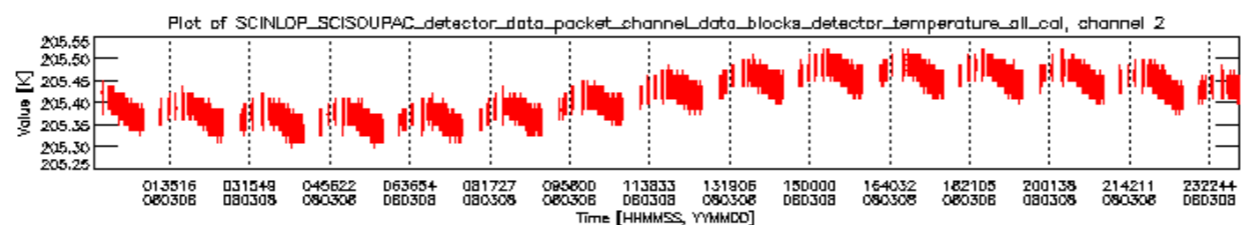
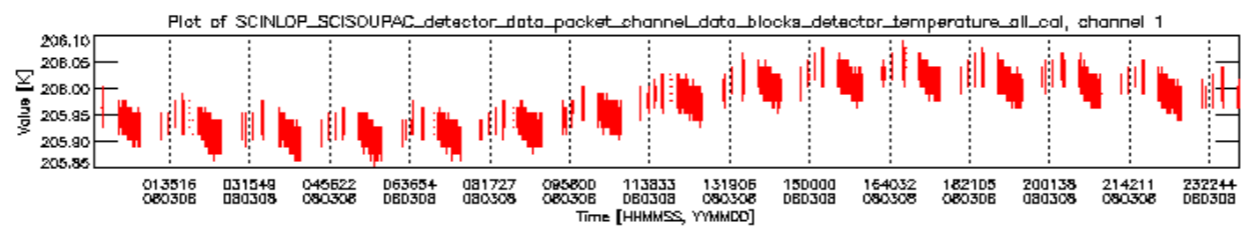
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080308_8.PNG

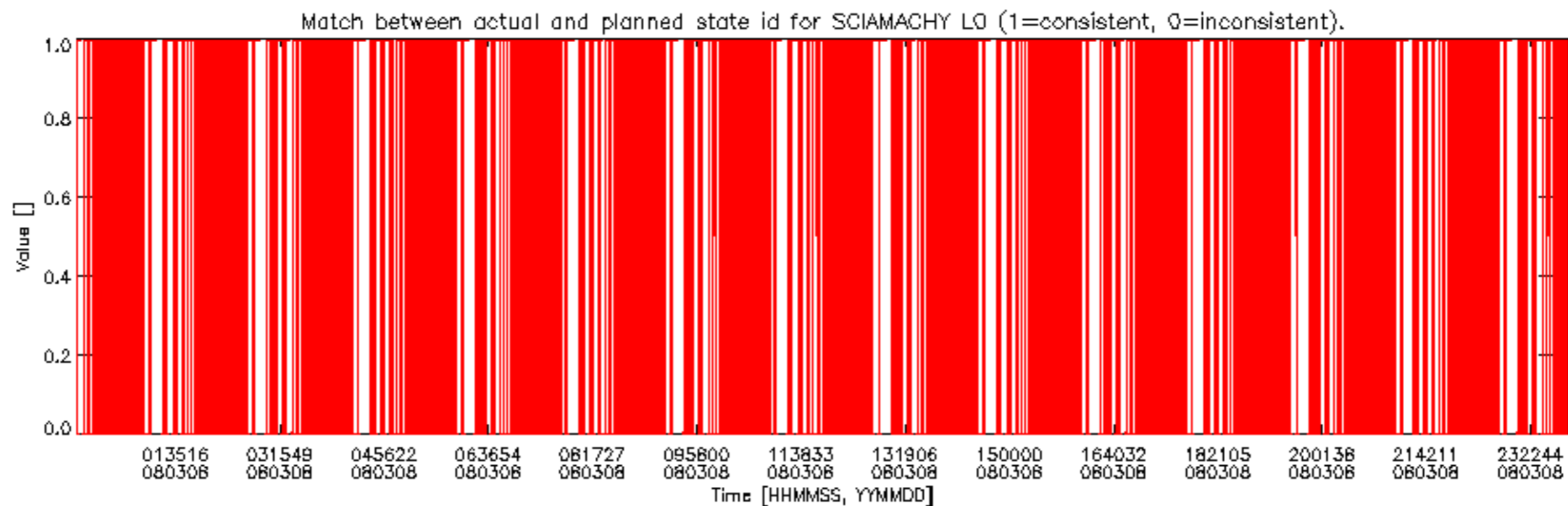
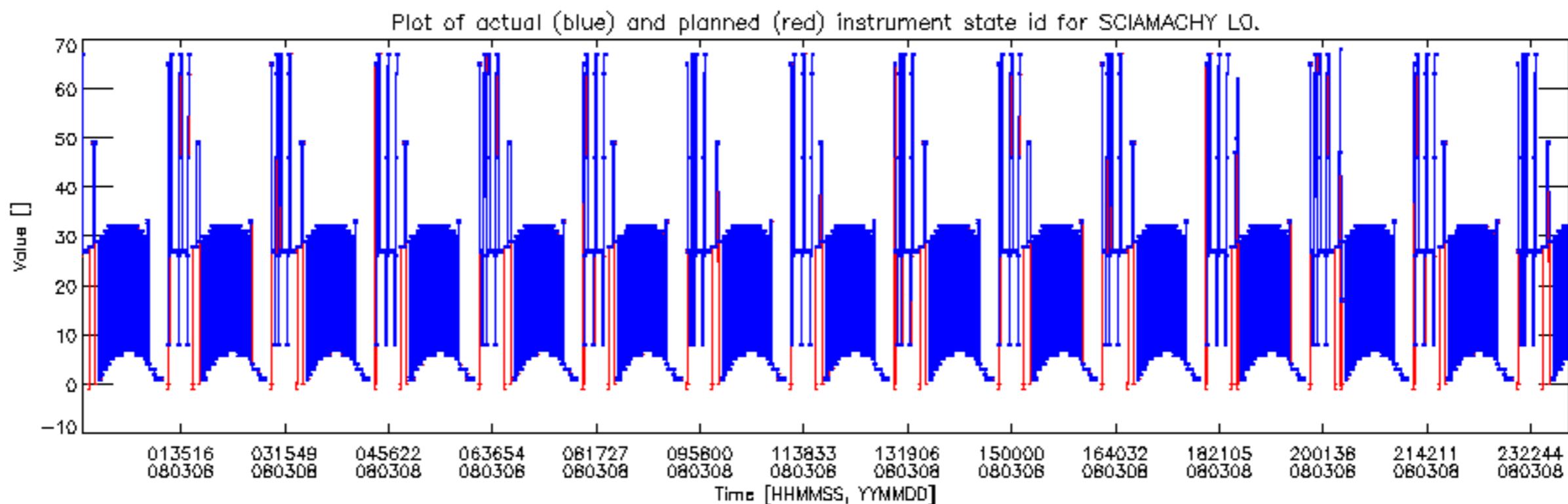




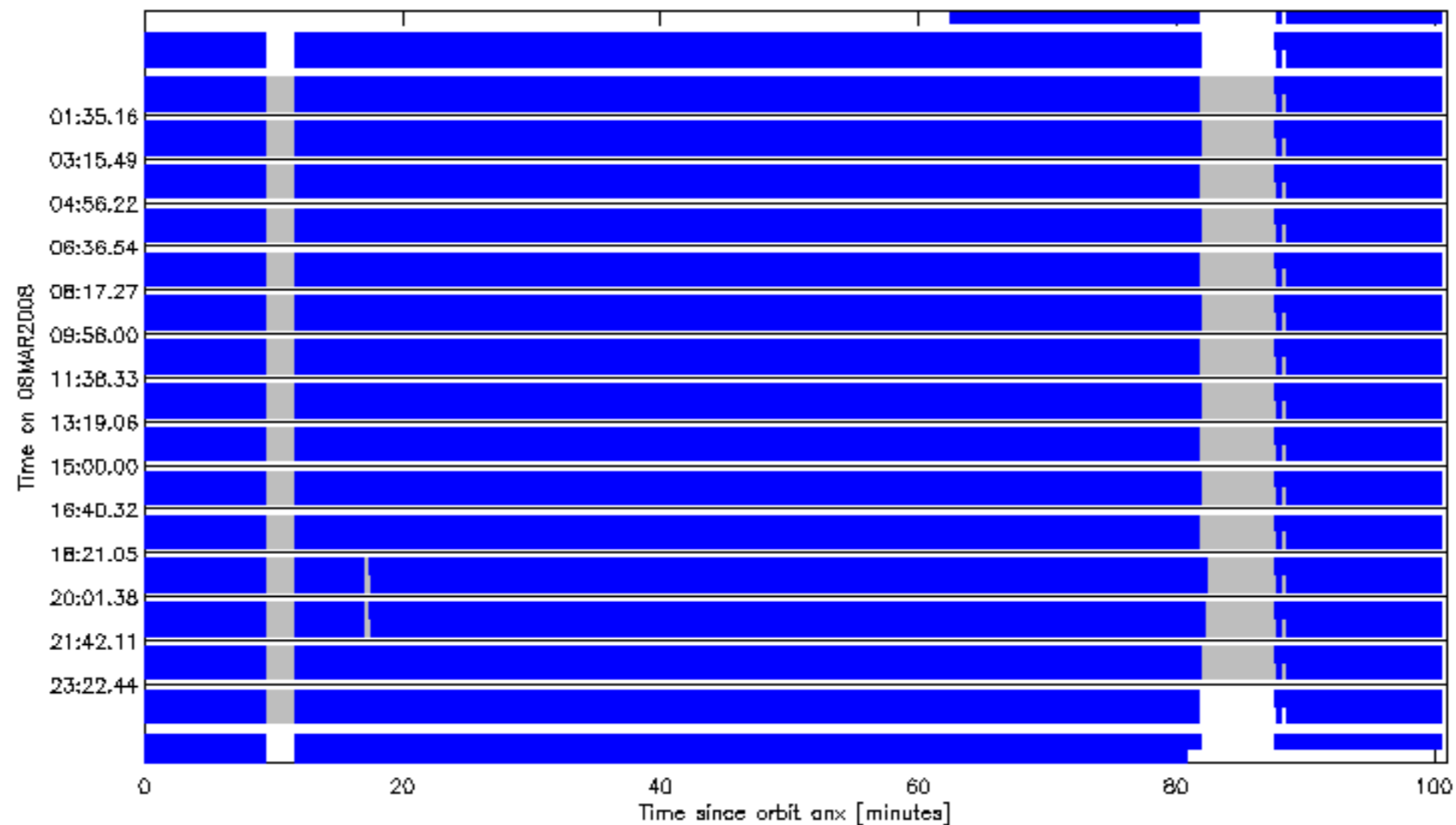


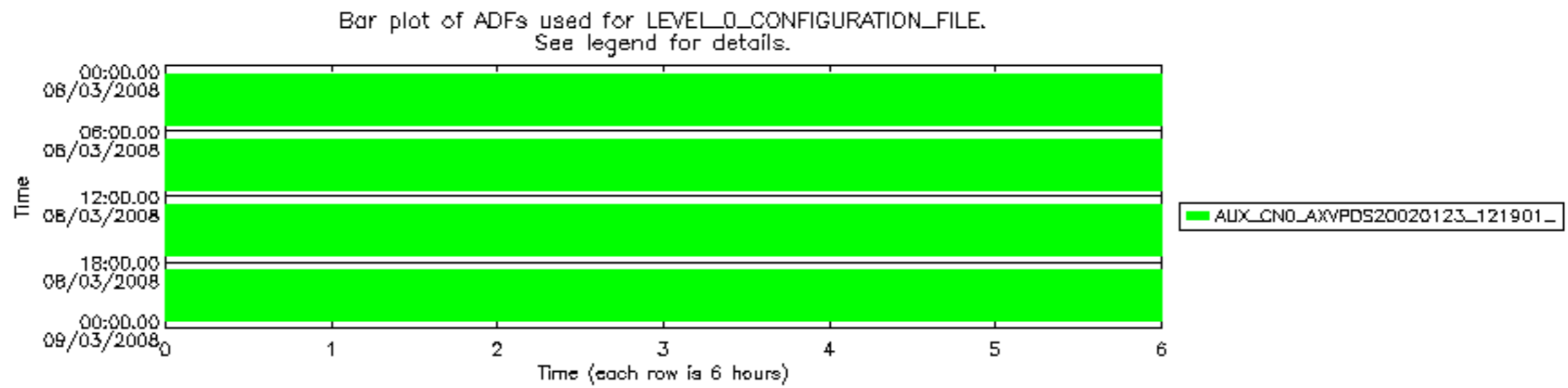






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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 The remaining colours indicate planned activities and/or special measurements.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

