

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	03APR2008 05:44:13
Data source version	KSPT_L0/4303-N
Processing scope for products	30MAR2008 00:00:00 to 31MAR2008 00:00:00
Start time of first product within scope	29MAR2008 22:41:40
Stop time of last product within scope	31MAR2008 01:39:25
Total number of level 0 products	17
Number of level 0 products with errors	6

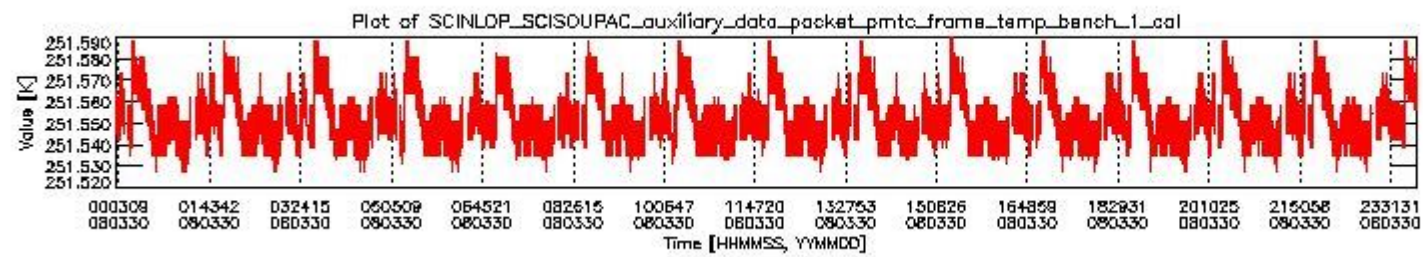
0.1.2 Summary per product

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

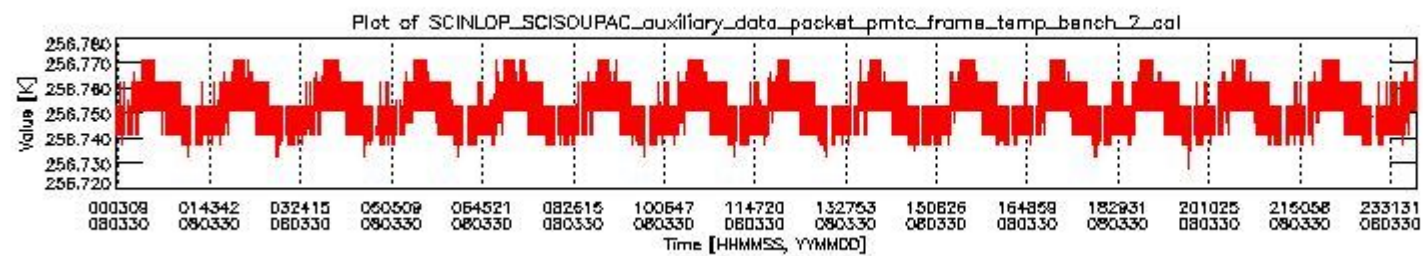
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080329_224140_000065462067_00173_31790_6332.N1	29MAR2008 22:41:40	30MAR2008 00:30:46	1	0	1	0	0
1	SCI_NL__OPNPDE20080330_002432_000062722067_00174_31791_6333.N1	30MAR2008 00:24:32	30MAR2008 02:09:04	0	0	0	0	0
2	SCI_NL__OPNPDE20080330_020808_000063532067_00175_31792_6334.N1	30MAR2008 02:08:08	30MAR2008 03:54:01	1	0	1	0	0
3	SCI_NL__OPNPDE20080330_034952_000063962067_00176_31793_6335.N1	30MAR2008 03:49:52	30MAR2008 05:36:28	1	1	1	0	0
4	SCI_NL__OPNPDK20080330_053220_000062292067_00177_31794_7802.N1	30MAR2008 05:32:20	30MAR2008 07:16:08	0	0	0	0	0
5	SCI_NL__OPNPDK20080330_071608_000059672067_00178_31795_7803.N1	30MAR2008 07:16:08	30MAR2008 08:55:35	0	0	0	0	0
6	SCI_NL__OPNPDK20080330_085535_000059802067_00179_31796_7804.N1	30MAR2008 08:55:35	30MAR2008 10:35:15	0	0	0	0	0
7	SCI_NL__OPNPDK20080330_103419_000060232067_00180_31797_7805.N1	30MAR2008 10:34:19	30MAR2008 12:14:41	0	0	0	0	0
8	SCI_NL__OPNPDK20080330_121441_000059242067_00181_31798_7806.N1	30MAR2008 12:14:41	30MAR2008 13:53:25	0	0	0	0	0
9	SCI_NL__OPNPDK20080330_135217_000059112067_00182_31799_7807.N1	30MAR2008 13:52:17	30MAR2008 15:30:48	0	0	0	0	0
10	SCI_NL__OPNPDK20080330_152939_000059462067_00183_31800_7808.N1	30MAR2008 15:29:39	30MAR2008 17:08:45	0	0	0	0	0
11	SCI_NL__OPNPDK20080330_170736_000059242067_00184_31801_7809.N1	30MAR2008 17:07:36	30MAR2008 18:46:20	0	0	0	0	0
12	SCI_NL__OPNPDK20080330_184524_000060702067_00185_31802_7810.N1	30MAR2008 18:45:24	30MAR2008 20:26:34	0	0	0	0	0
13	SCI_NL__OPNPDK20080330_202538_000062032067_00186_31803_7811.N1	30MAR2008 20:25:38	30MAR2008 22:09:01	0	0	0	0	0
14	SCI_NL__OPNPDE20080330_220805_000066582067_00187_31804_6336.N1	30MAR2008 22:08:05	30MAR2008 23:59:03	1	0	1	0	0
15	SCI_NL__OPNPDE20080330_235249_000063962067_00188_31805_6326.N1	30MAR2008 23:52:49	31MAR2008 01:39:25	1	0	1	0	0
16	SCI_NL__OPNPDE20080330_235249_000063962067_00188_31805_6341.N1	30MAR2008 23:52:49	31MAR2008 01:39:25	1	0	1	0	0

0.2 Product Quality Indicators

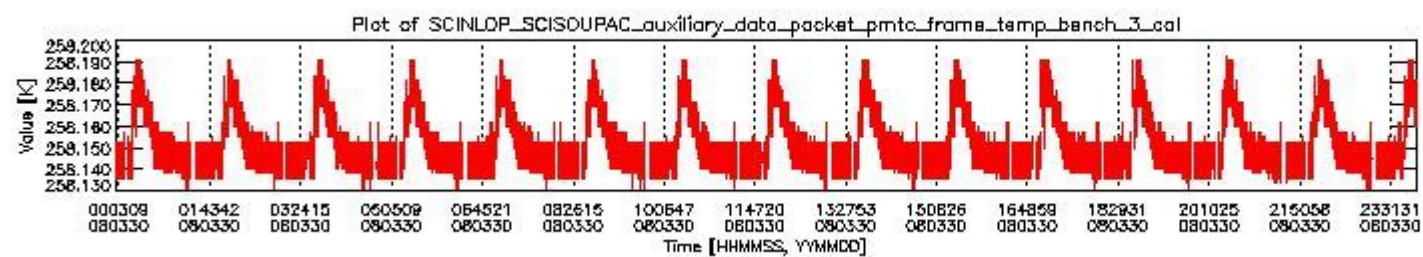
This section shows information about product quality, currently temperatures.



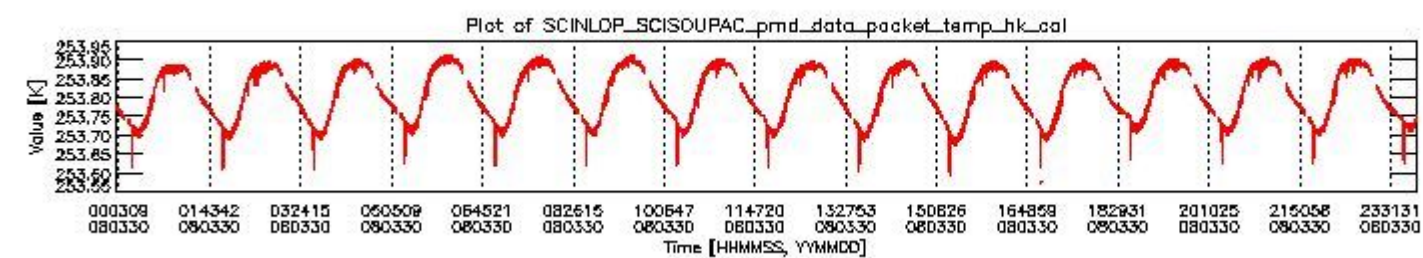
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080330_0.PNG



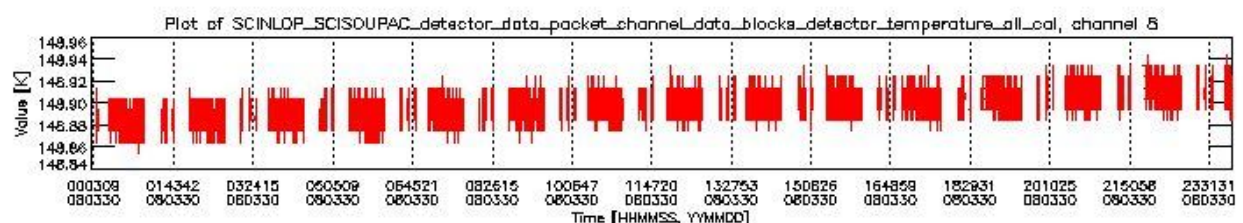
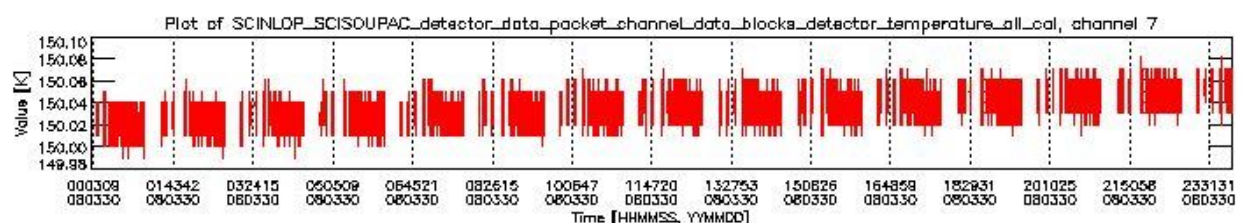
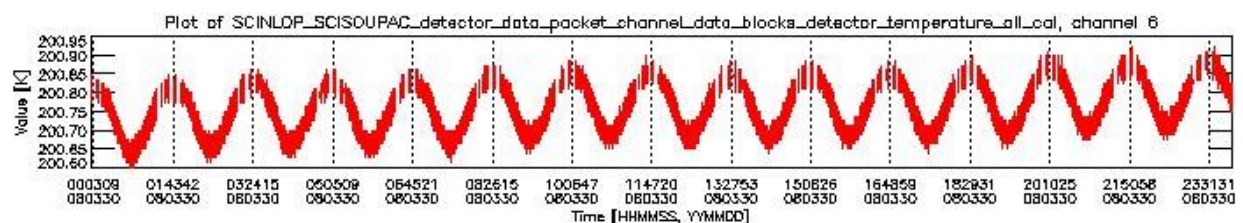
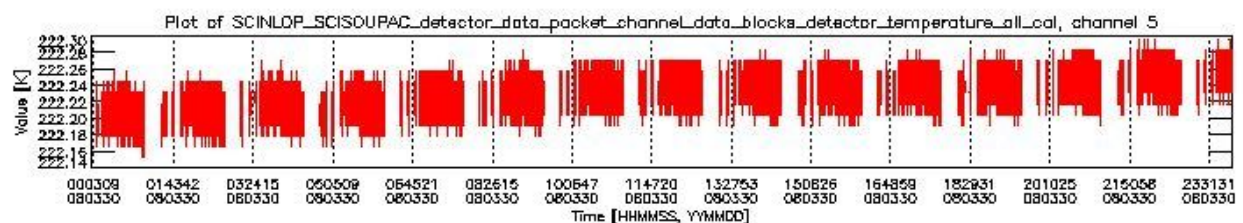
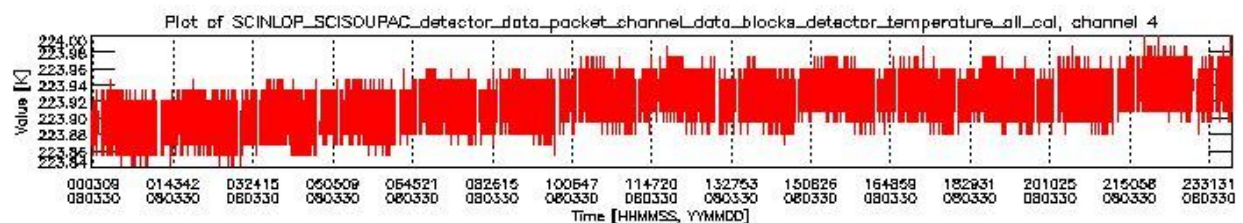
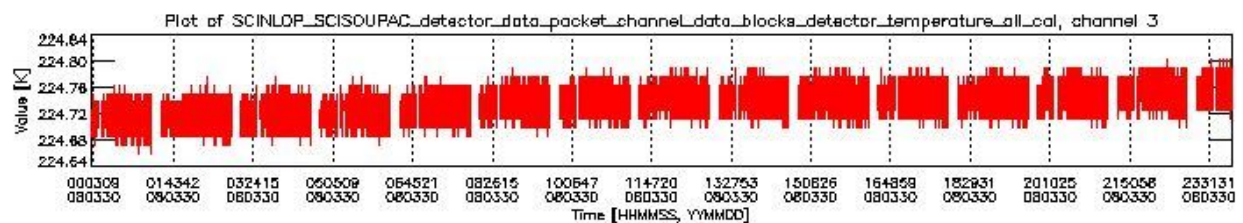
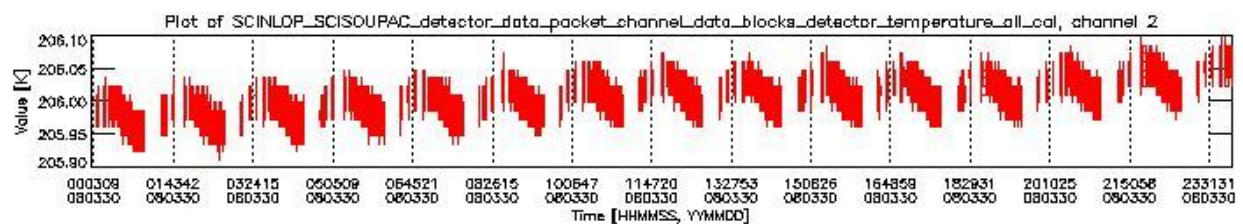
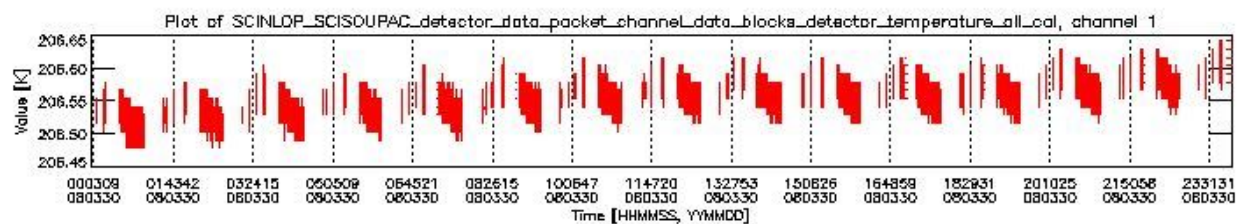
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080330_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080330_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080330_3.PNG

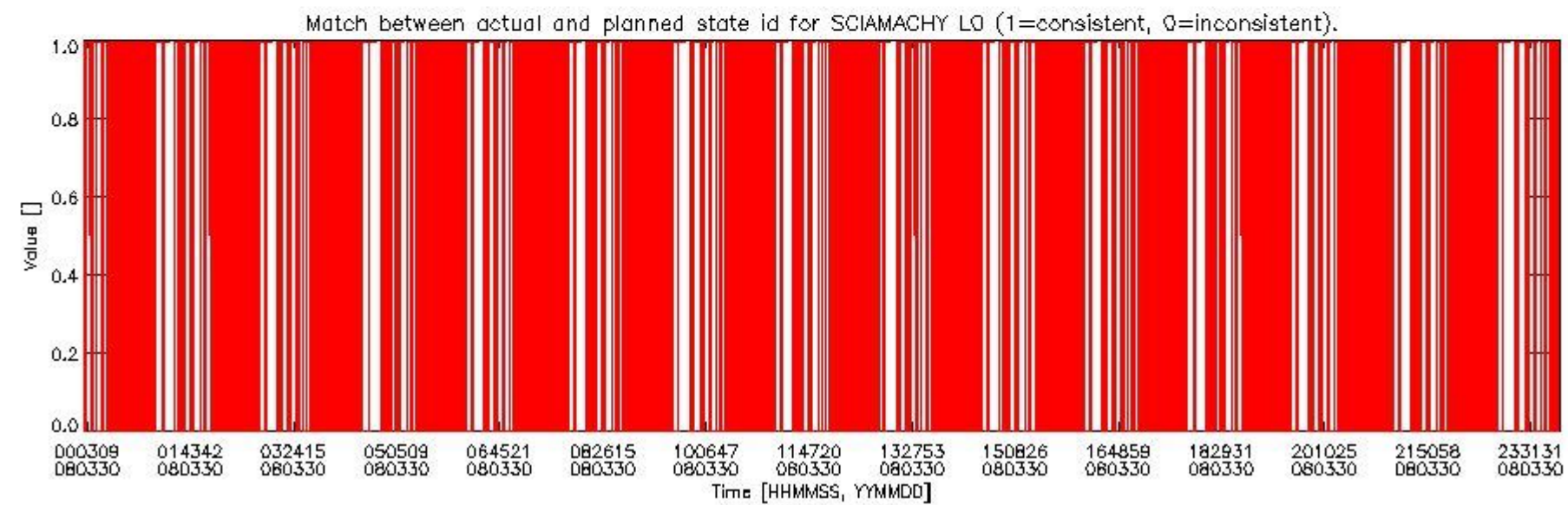
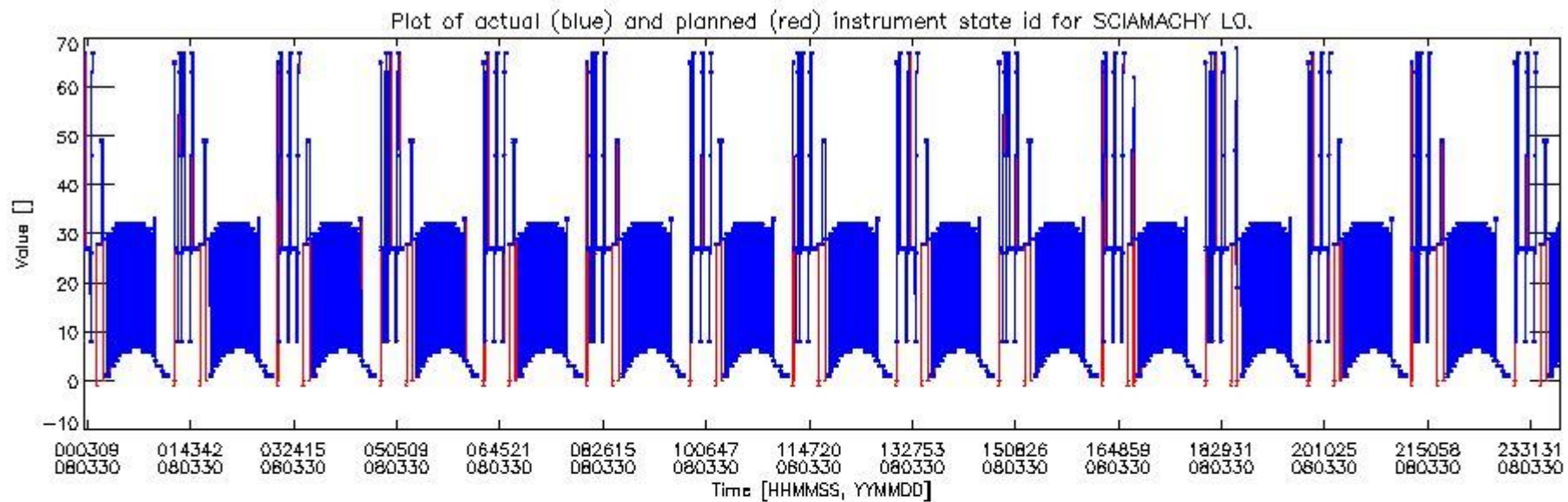


0.3 State monitoring

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: **35926**

#	Actual time	Actual value	Planned time	Planned value
0	30MAR2008 00:00:50.150040	27	30MAR2008 00:00:50.150040	67
1	30MAR2008 00:00:51.150034	27	30MAR2008 00:00:51.150034	67
2	30MAR2008 00:00:52.087507	27	30MAR2008 00:00:52.087507	67
3	30MAR2008 00:00:52.837533	27	30MAR2008 00:00:52.837533	67
4	30MAR2008 00:00:53.775005	27	30MAR2008 00:00:53.775005	67
5	30MAR2008 00:00:54.525031	27	30MAR2008 00:00:54.525031	67
6	30MAR2008 00:00:55.150013	27	30MAR2008 00:00:55.150013	67
7	30MAR2008 00:00:55.462503	27	30MAR2008 00:00:55.462503	67
8	30MAR2008 00:00:56.212530	27	30MAR2008 00:00:56.212530	67
9	30MAR2008 00:00:57.150042	27	30MAR2008 00:00:57.150042	67
10	30MAR2008 00:05:58.560196	8	30MAR2008 00:05:58.560196	27
11	30MAR2008 00:05:59.685194	8	30MAR2008 00:05:59.685194	27
12	30MAR2008 00:06:00.685229	8	30MAR2008 00:06:00.685229	27
13	30MAR2008 00:06:01.685224	8	30MAR2008 00:06:01.685224	27
14	30MAR2008 00:06:02.685218	8	30MAR2008 00:06:02.685218	27
15	30MAR2008 00:06:03.560209	8	30MAR2008 00:06:03.560209	27
16	30MAR2008 00:06:03.685213	8	30MAR2008 00:06:03.685213	27
17	30MAR2008 00:06:04.685208	8	30MAR2008 00:06:04.685208	27
18	30MAR2008 00:06:05.685202	8	30MAR2008 00:06:05.685202	27
19	30MAR2008 00:06:42.114898	26	30MAR2008 00:06:42.114898	8

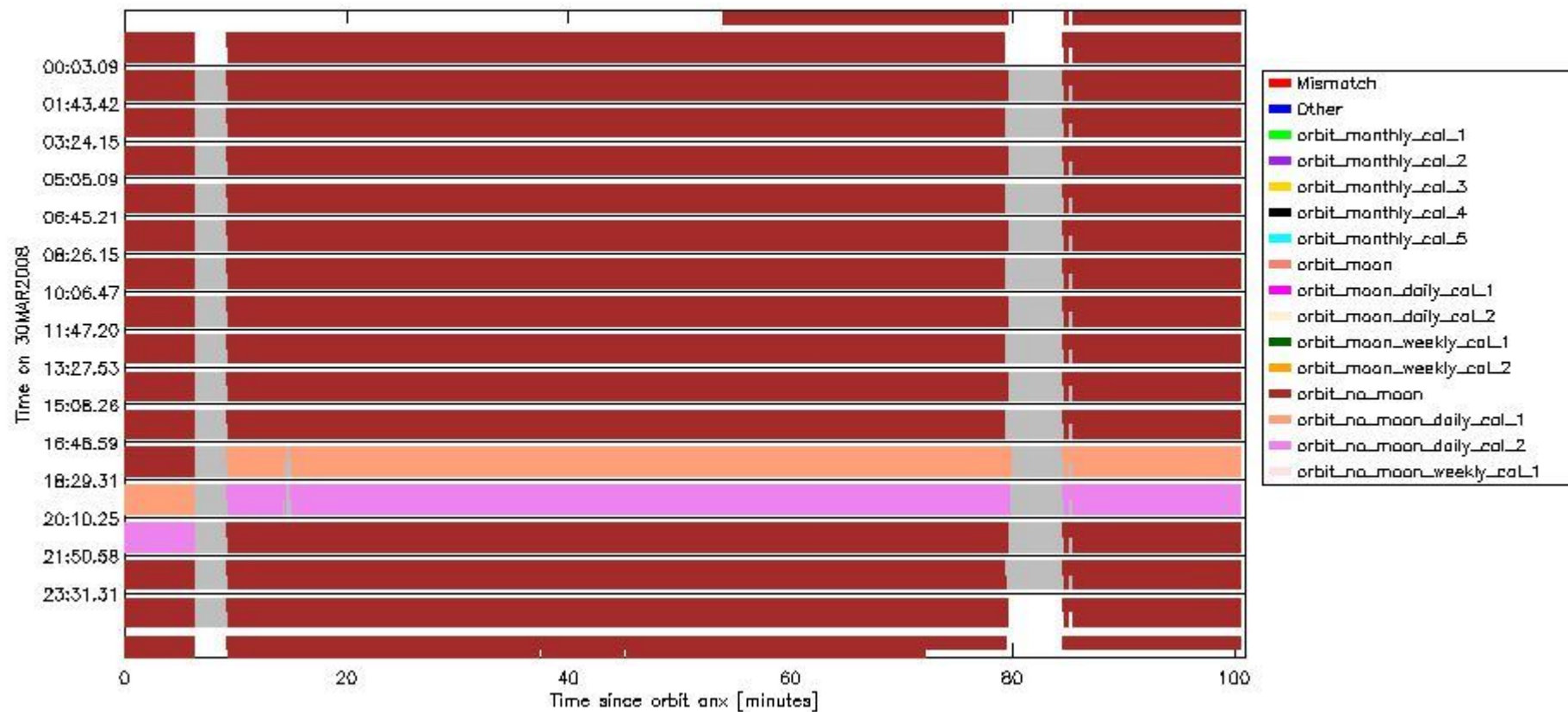


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080330_5.PNG

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 30MAR2008.
 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_20080330_6.PNG

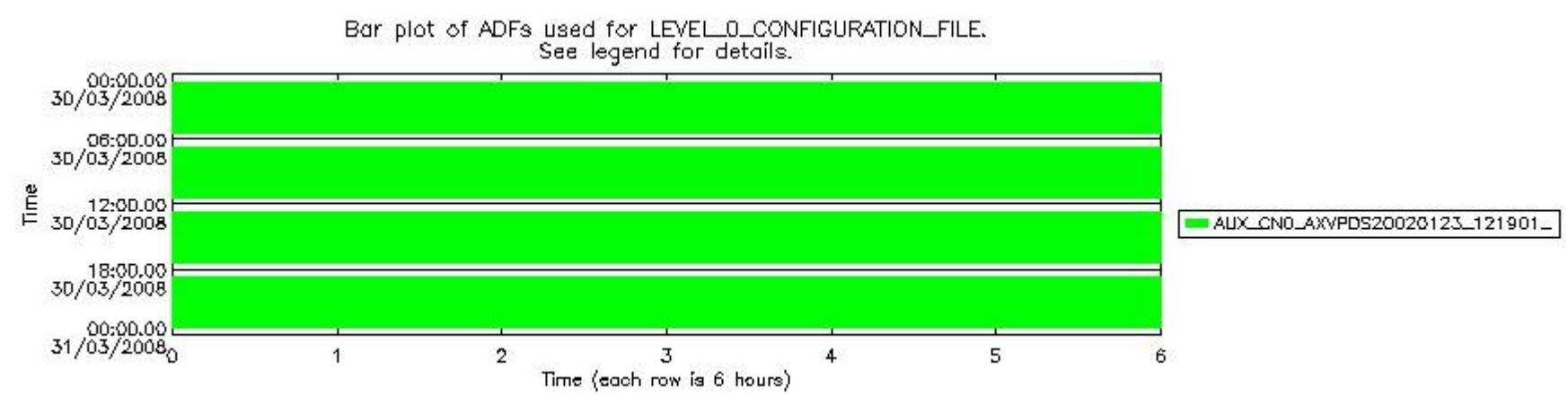
0.4 ADF monitoring

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

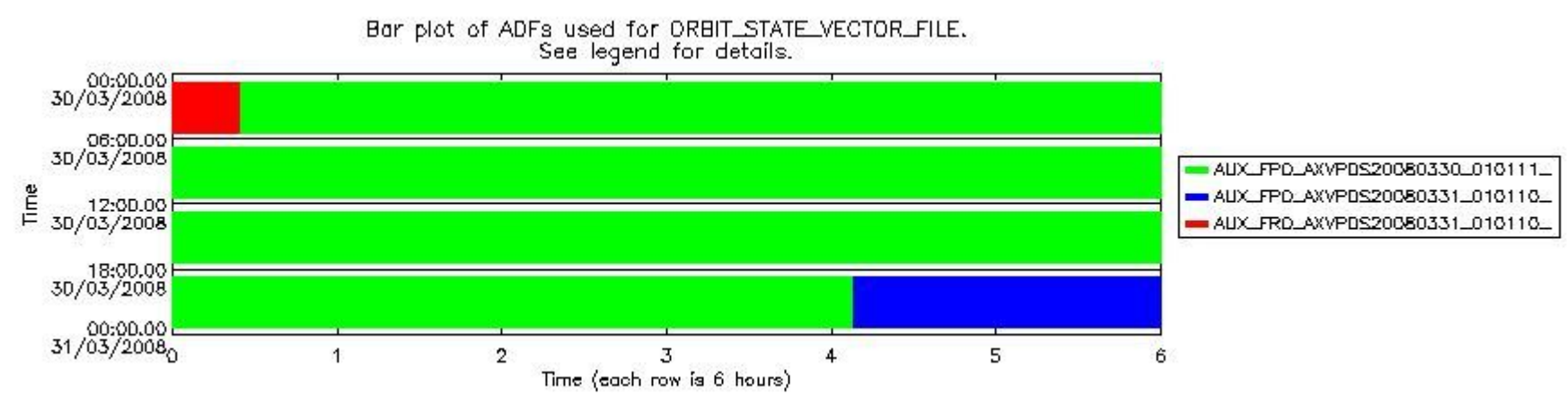
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

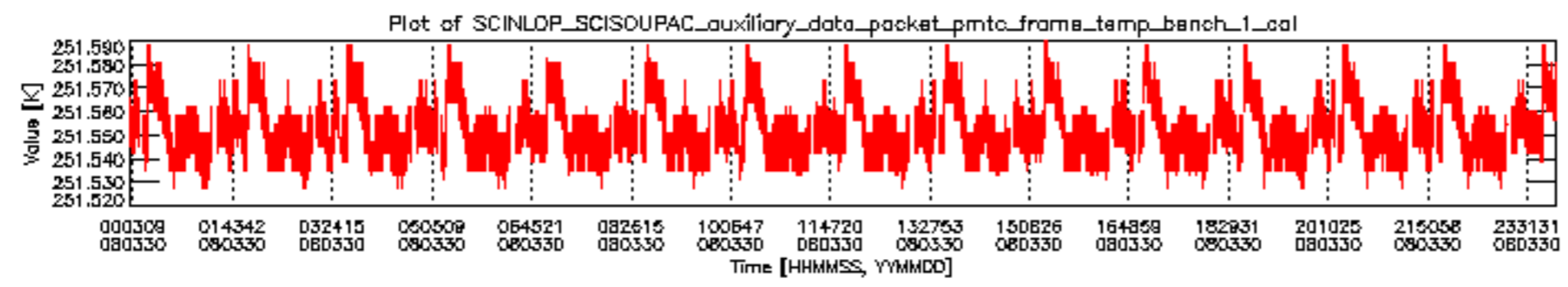
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080330_010111_20080329_190118_20080408_202731
2	AUX_FPO_AXVPDS20080331_010110_20080330_182941_20080409_213630
3	AUX_FRO_AXVPDS20080331_010110_20080327_221000_20080330_005000

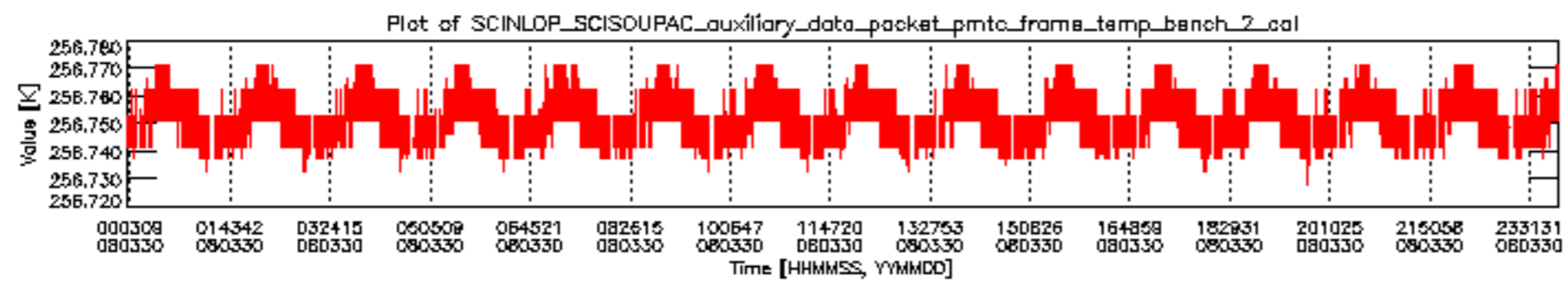


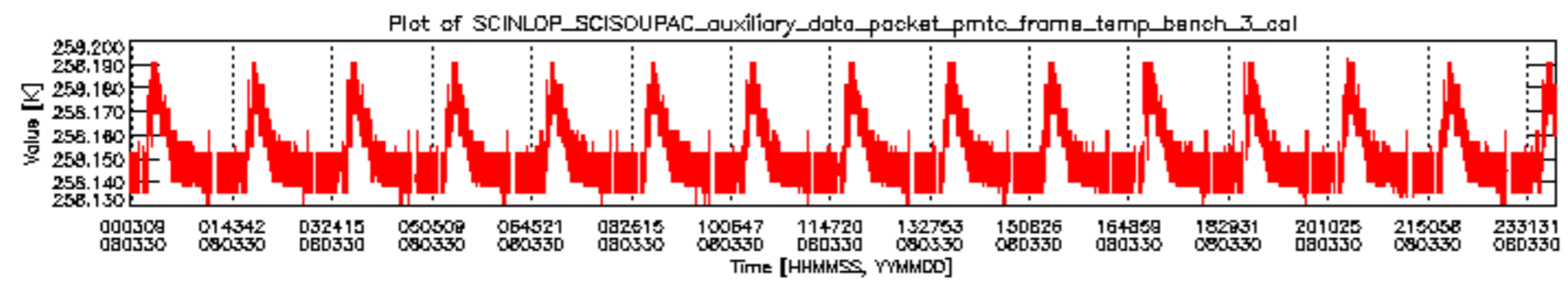
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080330_7.PNG

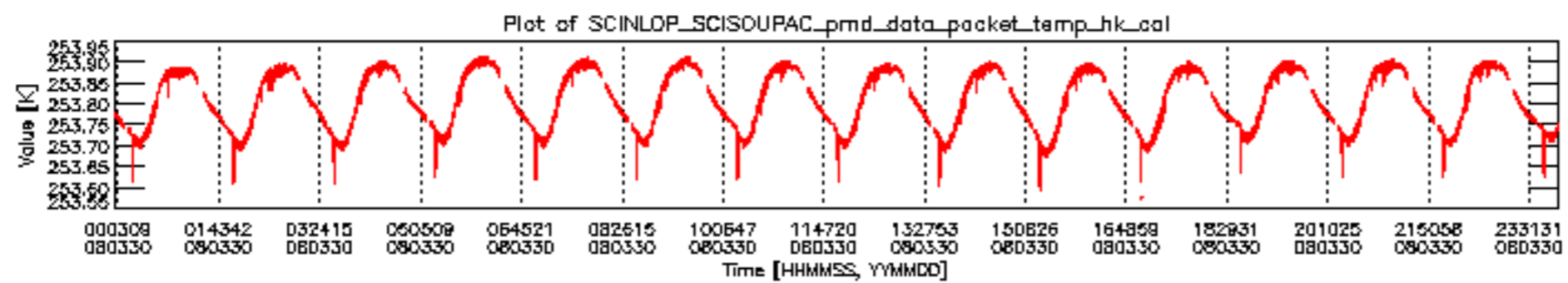


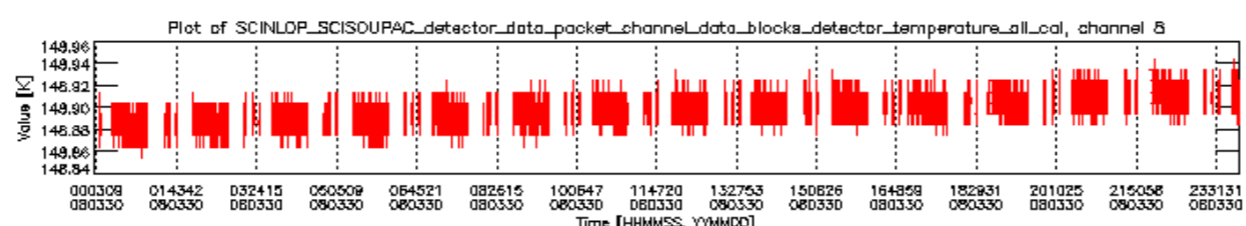
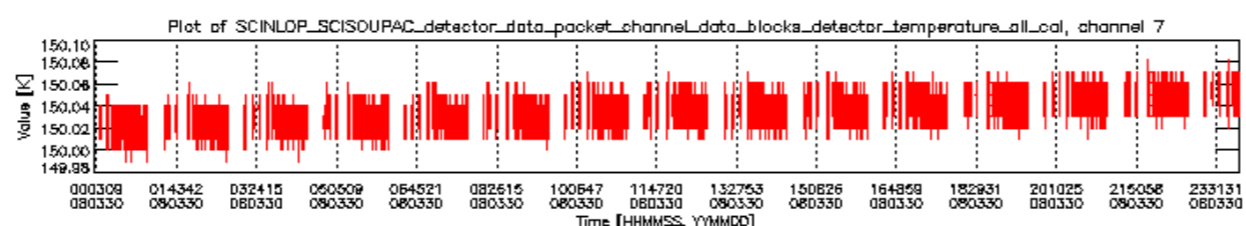
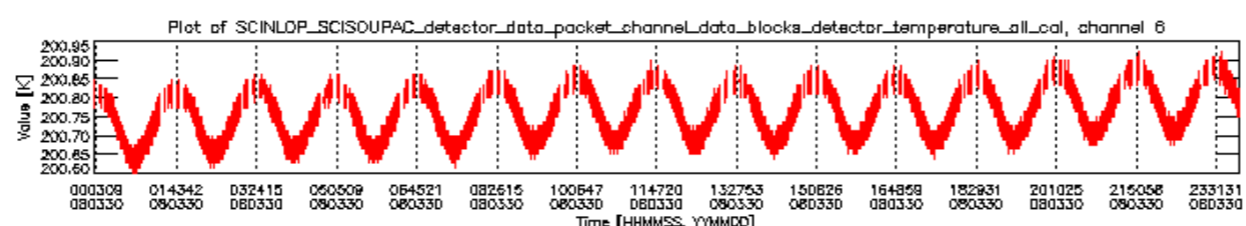
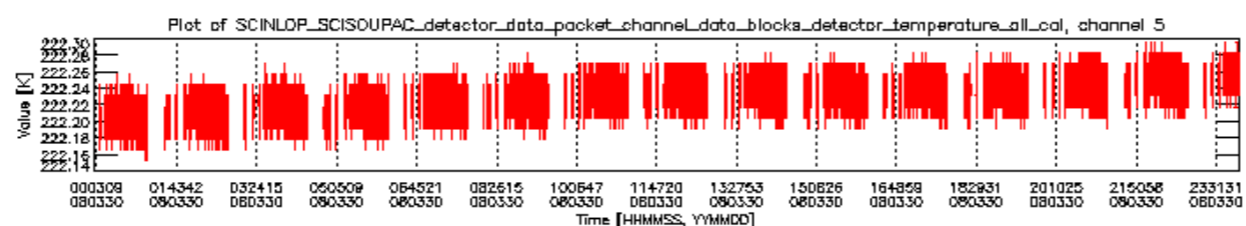
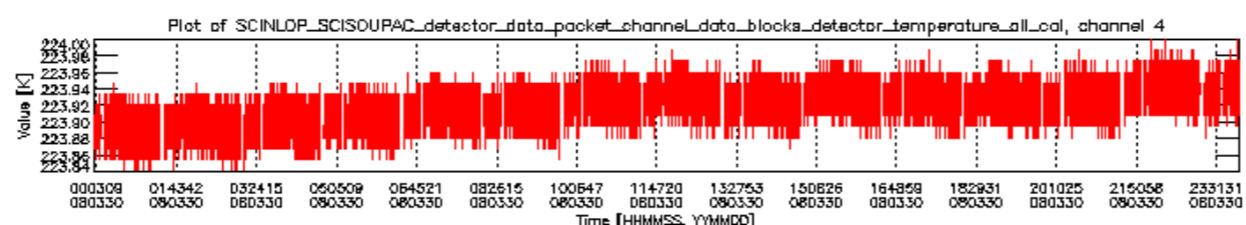
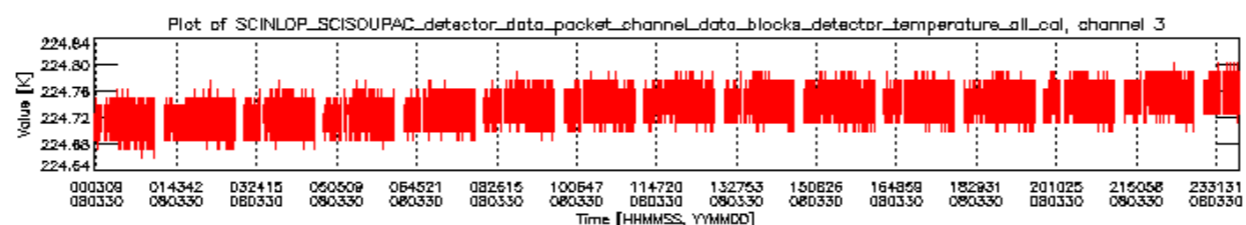
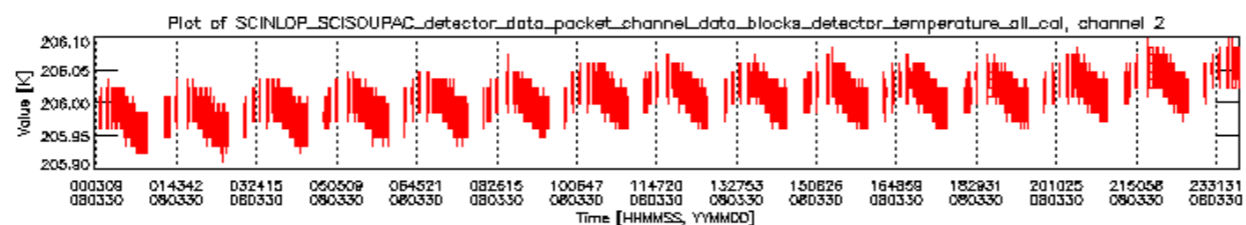
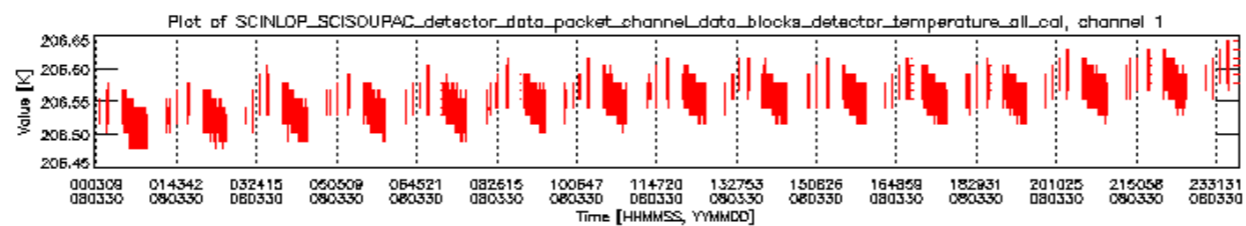
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080330_8.PNG

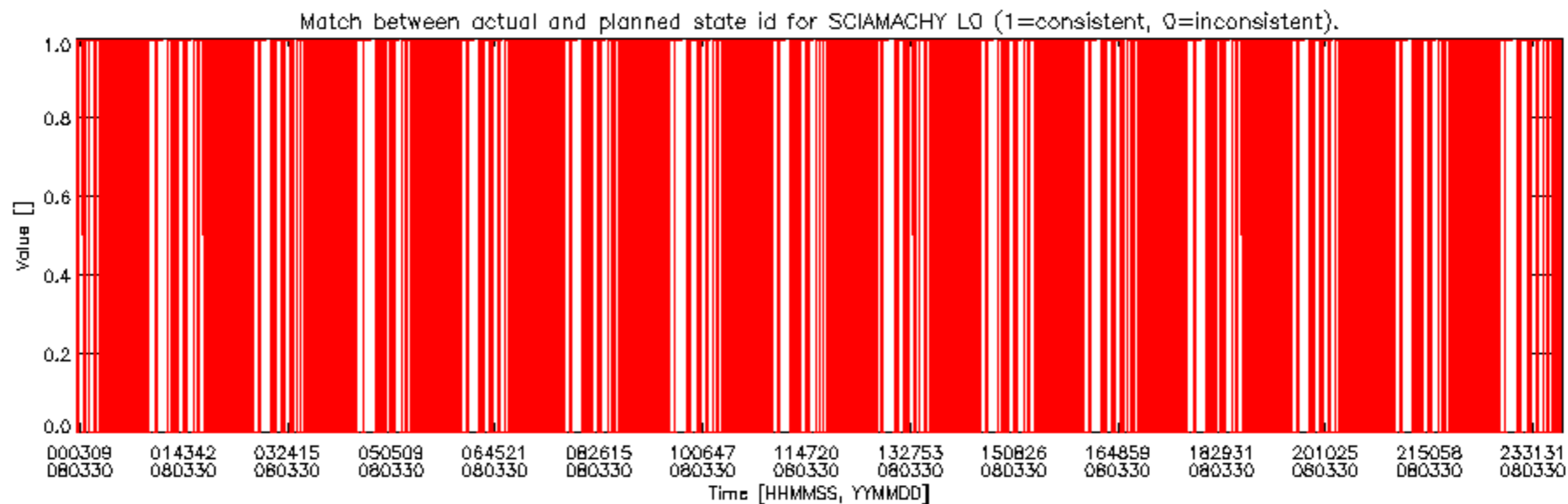
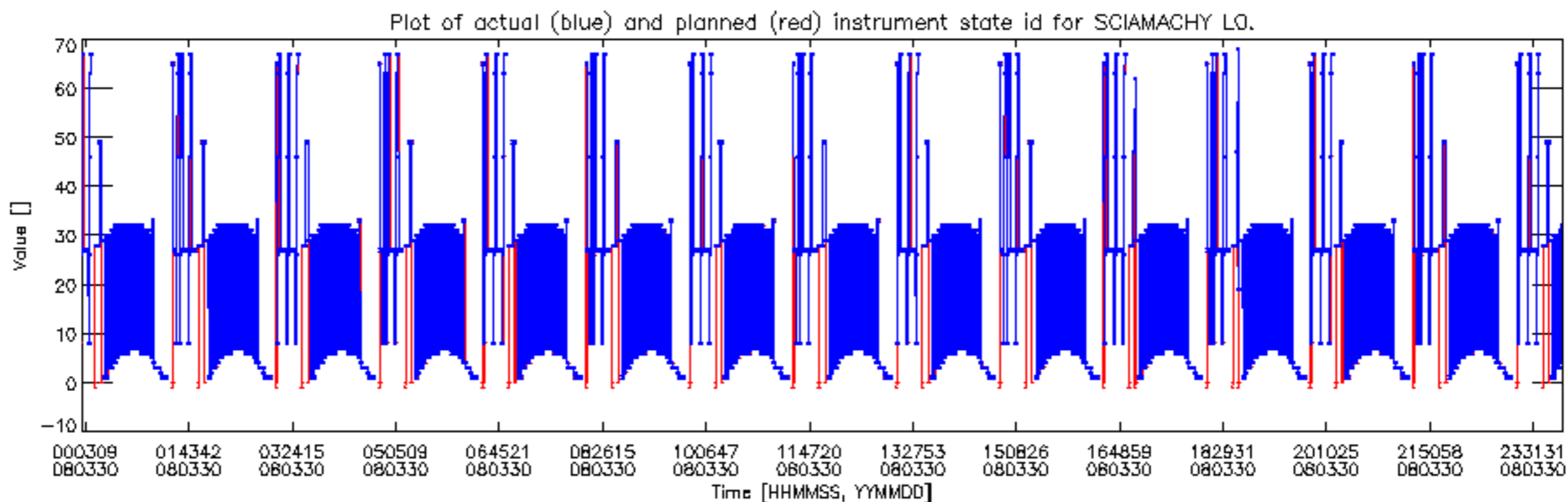




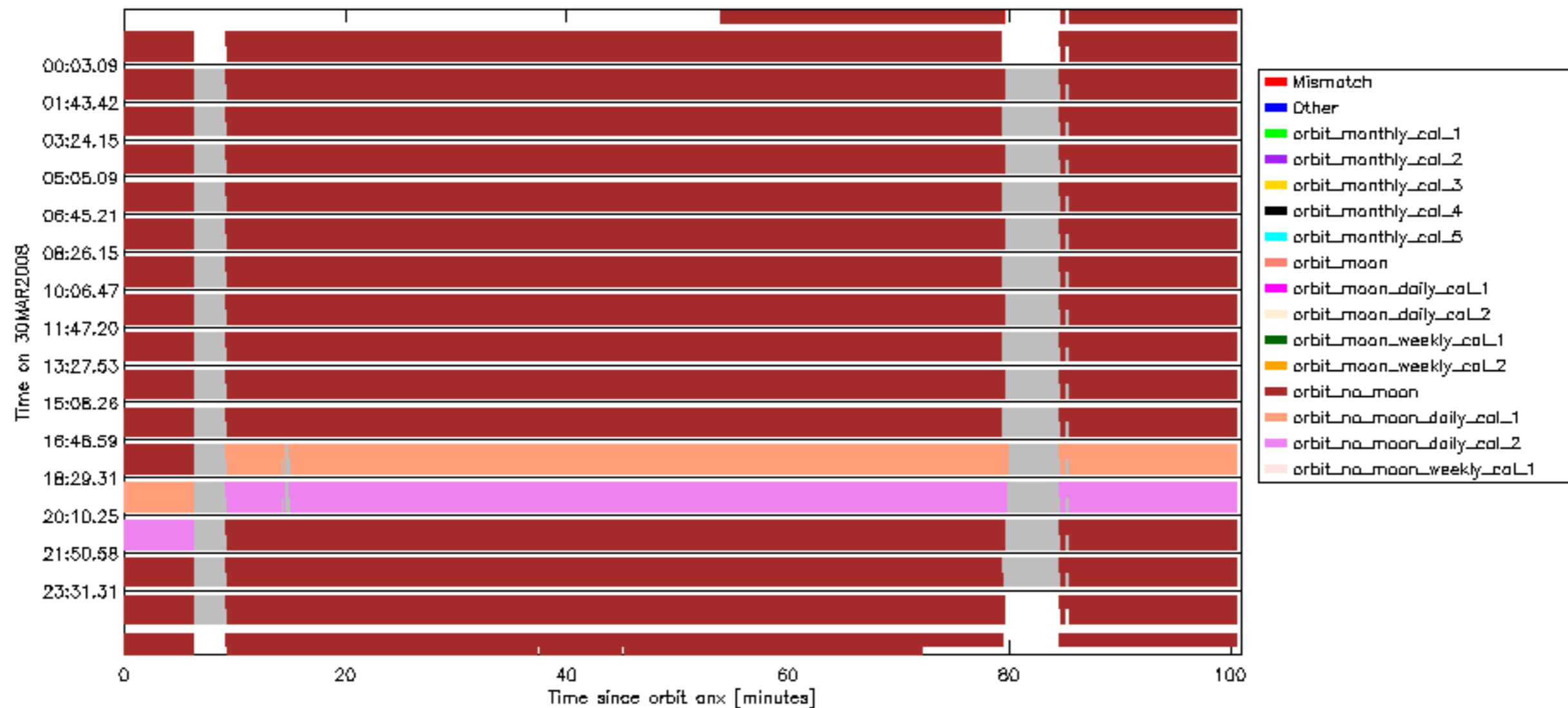


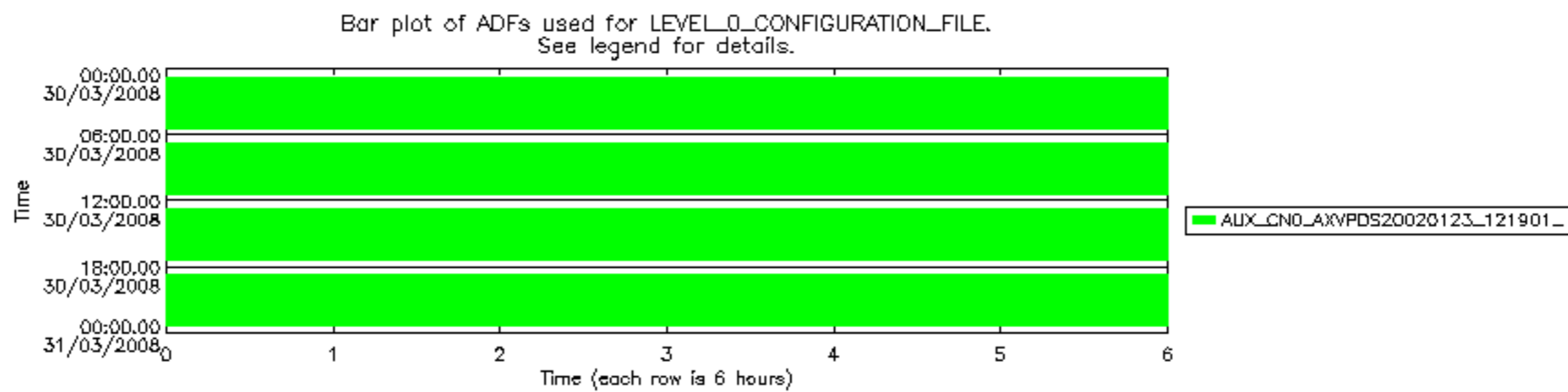






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

