

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	12DEC2008 04:32:14
Data source version	KSPT_L0/4303-N
Processing scope for products	08DEC2008 00:00:00 to 09DEC2008 00:00:00
Start time of first product within scope	07DEC2008 23:04:02
Stop time of last product within scope	09DEC2008 00:06:42
Total number of level 0 products	16
Number of level 0 products with errors	0

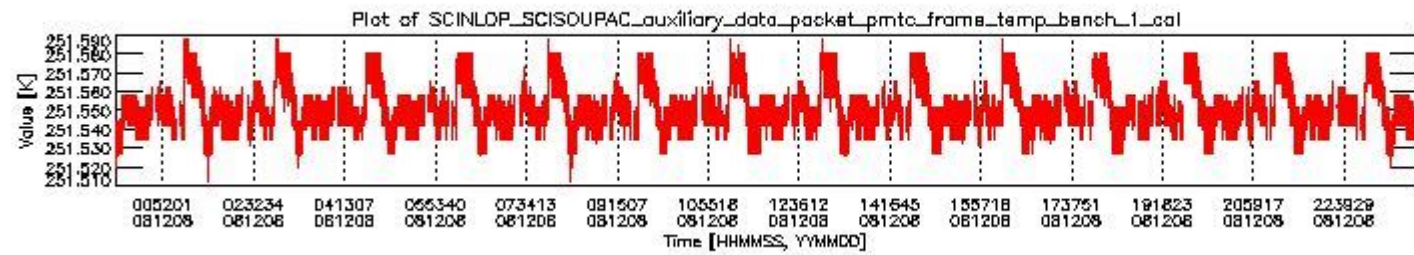
0.1.2 Summary per product

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

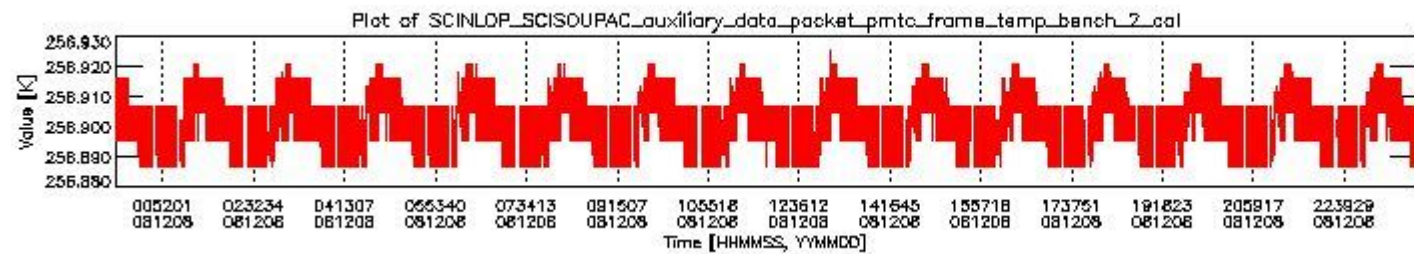
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081207_230402_000056552074_00287_35411_8048.N1	07DEC2008 23:04:02	08DEC2008 00:38:17	0	0	0	0	0
1	SCI_NL__OPNPDE20081208_004438_000054622074_00288_35412_8049.N1	08DEC2008 00:44:38	08DEC2008 02:15:40	0	0	0	0	0
2	SCI_NL__OPNPDE20081208_021432_000046172074_00289_35413_8050.N1	08DEC2008 02:14:32	08DEC2008 03:31:28	0	0	0	0	0
3	SCI_NL__OPNPDE20081208_033128_000061052074_00290_35414_8051.N1	08DEC2008 03:31:28	08DEC2008 05:13:13	0	0	0	0	0
4	SCI_NL__OPNPDE20081208_051313_000060362074_00291_35415_8052.N1	08DEC2008 05:13:13	08DEC2008 06:53:49	0	0	0	0	0
5	SCI_NL__OPNPDK20081208_065349_000041702074_00292_35416_0133.N1	08DEC2008 06:53:49	08DEC2008 08:03:18	0	0	0	0	0
6	SCI_NL__OPNPDK20081208_080223_000060232074_00293_35417_0134.N1	08DEC2008 08:02:23	08DEC2008 09:42:46	0	0	0	0	0
7	SCI_NL__OPNPDK20081208_094246_000060492074_00294_35418_0135.N1	08DEC2008 09:42:46	08DEC2008 11:23:35	0	0	0	0	0
8	SCI_NL__OPNPDK20081208_112226_000059802074_00295_35419_0136.N1	08DEC2008 11:22:26	08DEC2008 13:02:06	0	0	0	0	0
9	SCI_NL__OPNPDK20081208_130110_000060362074_00296_35420_0137.N1	08DEC2008 13:01:10	08DEC2008 14:41:46	0	0	0	0	0
10	SCI_NL__OPNPDK20081208_143833_000059232074_00297_35421_0138.N1	08DEC2008 14:38:33	08DEC2008 16:17:16	0	0	0	0	0
11	SCI_NL__OPNPDK20081208_161620_000060362074_00298_35422_0139.N1	08DEC2008 16:16:20	08DEC2008 17:56:56	0	0	0	0	0
12	SCI_NL__OPNPDK20081208_175600_000057992074_00299_35423_0140.N1	08DEC2008 17:56:00	08DEC2008 19:32:39	0	0	0	0	0
13	SCI_NL__OPNPDE20081208_193636_000040192074_00300_35424_8053.N1	08DEC2008 19:36:36	08DEC2008 20:43:35	0	0	0	0	0
14	SCI_NL__OPNPDE20081208_204227_000062322074_00300_35424_8054.N1	08DEC2008 20:42:27	08DEC2008 22:26:18	0	0	0	0	0
15	SCI_NL__OPNPDE20081208_222618_000060232074_00301_35425_8055.N1	08DEC2008 22:26:18	09DEC2008 00:06:42	0	0	0	0	0

0.2 Product Quality Indicators

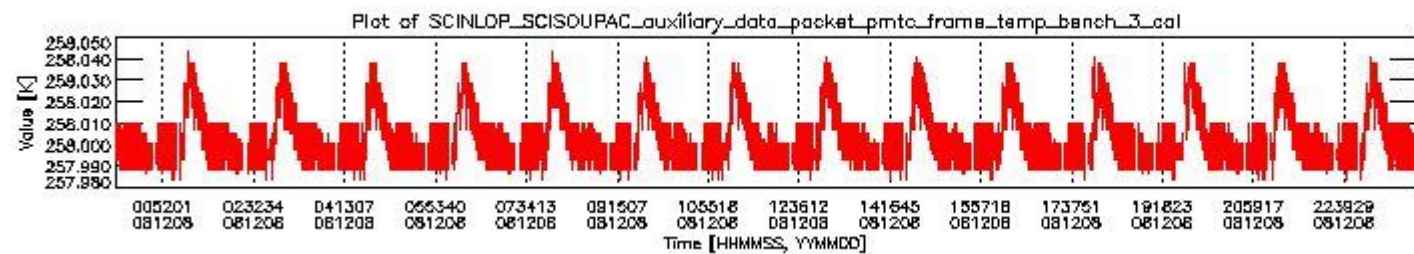
This section shows information about product quality, currently temperatures.



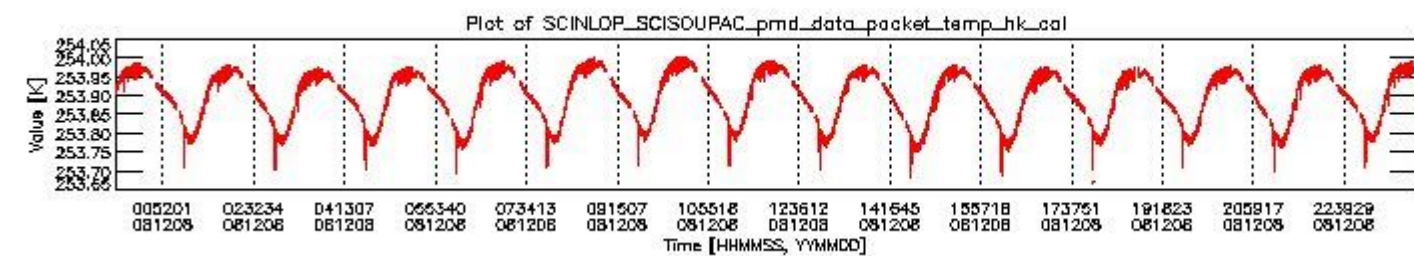
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081208_0.PNG



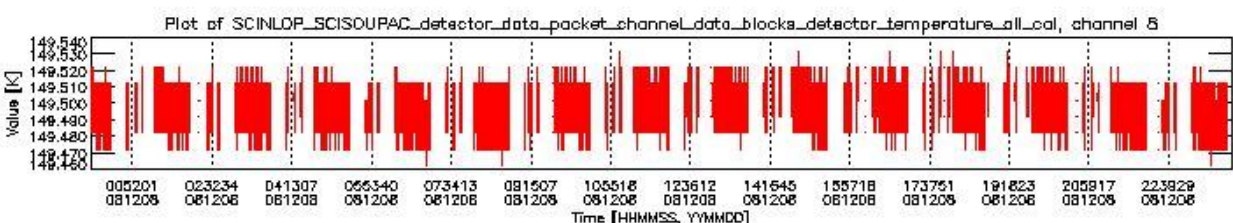
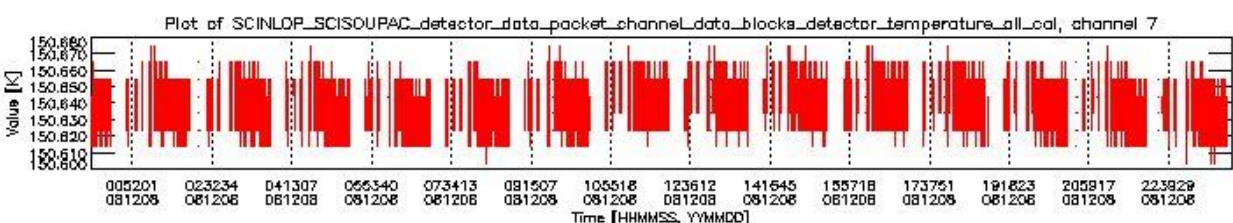
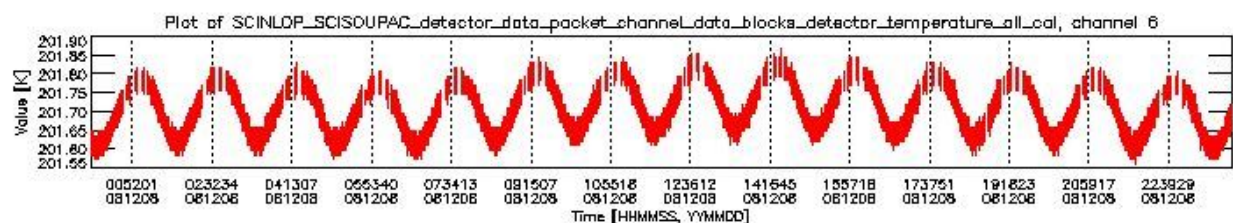
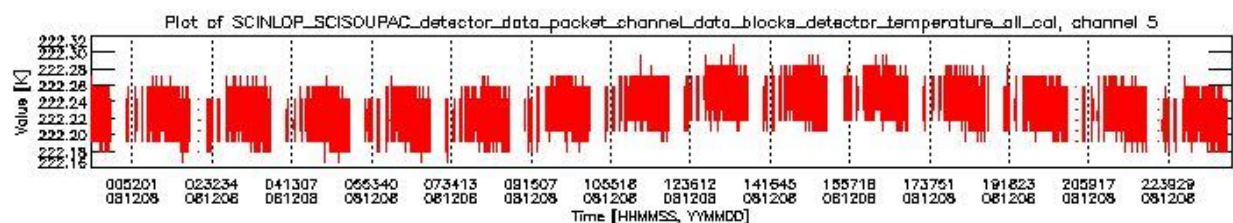
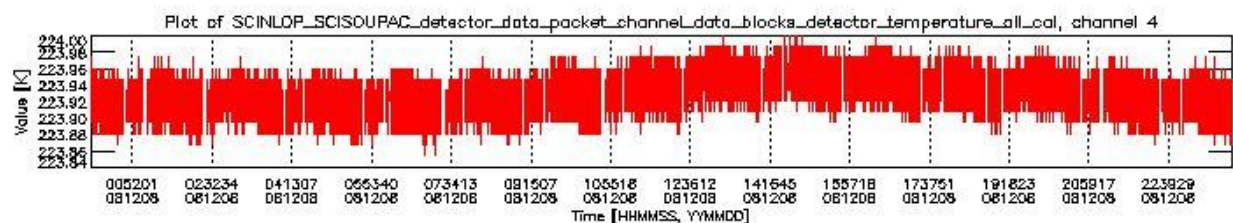
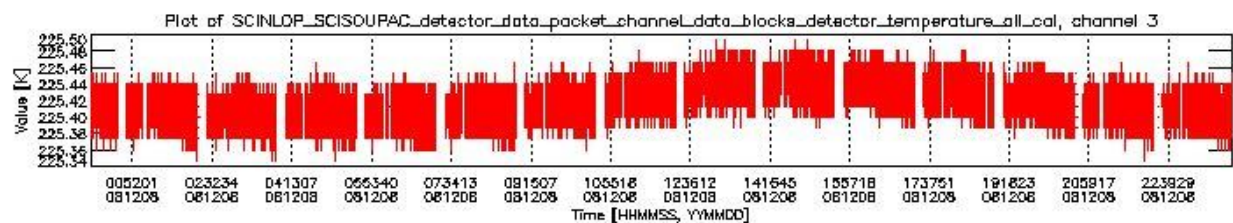
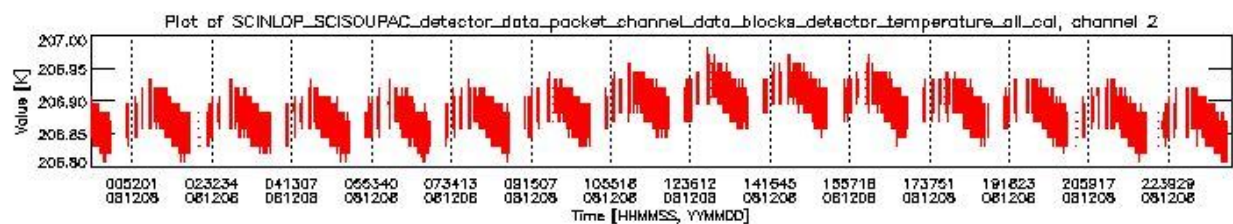
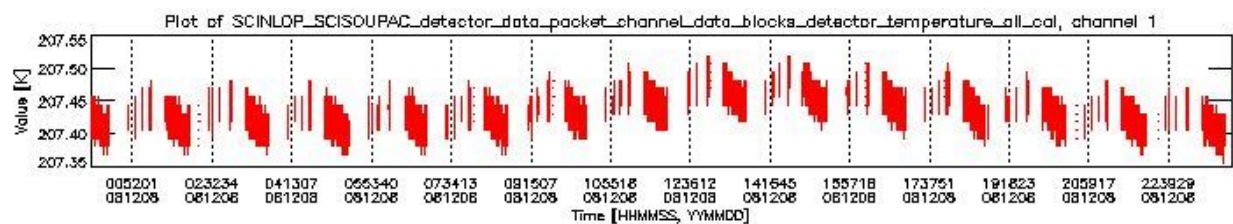
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081208_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081208_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081208_3.PNG

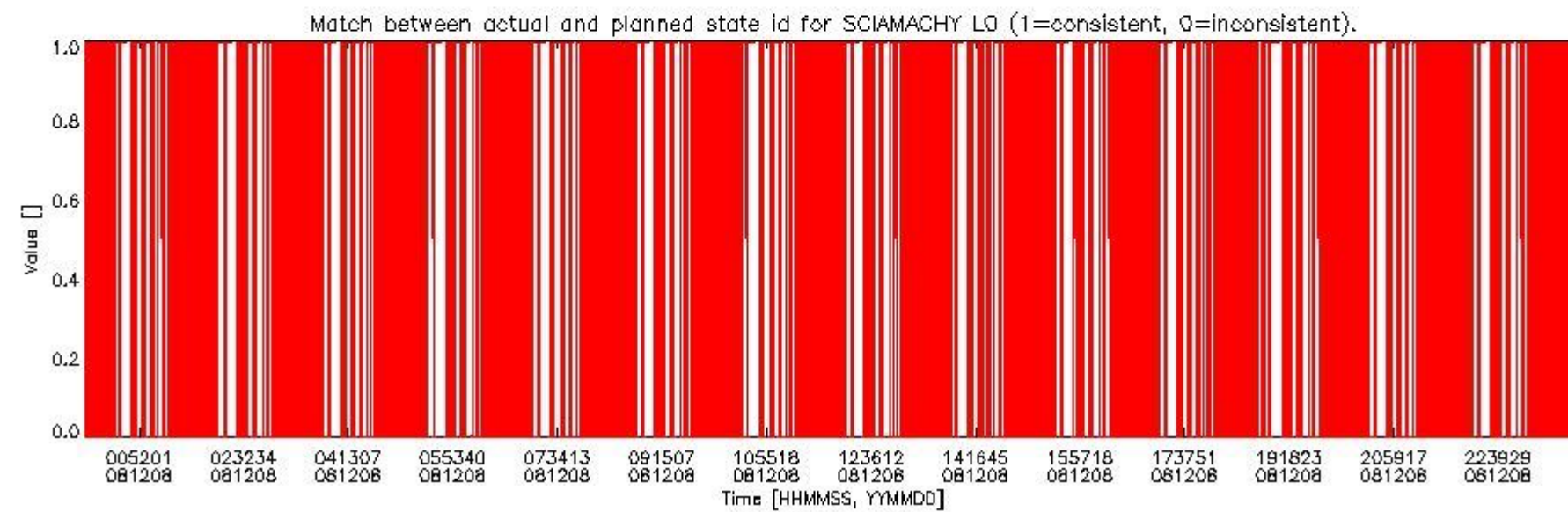
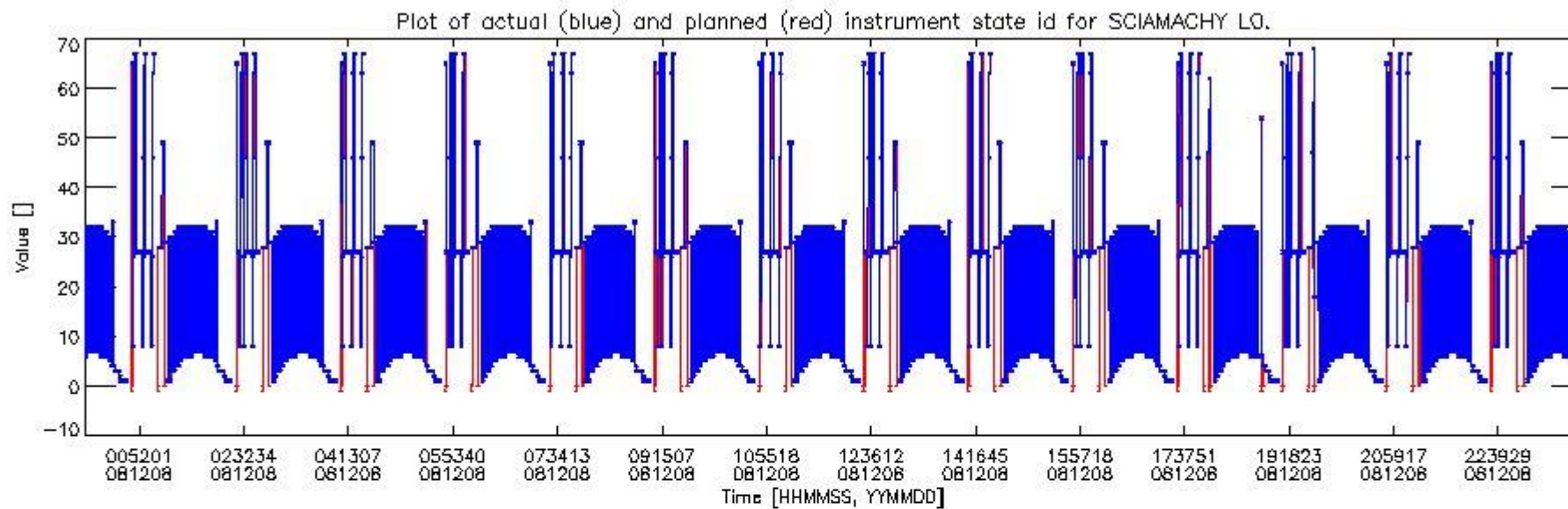


0.3 State monitoring

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: **48456**

#	Actual time	Actual value	Planned time	Planned value
0	08DEC2008 00:00:00.114544	6	08DEC2008 00:00:00.114544	32
1	08DEC2008 00:00:00.364552	6	08DEC2008 00:00:00.364552	32
2	08DEC2008 00:00:00.614561	6	08DEC2008 00:00:00.614561	32
3	08DEC2008 00:00:00.864530	6	08DEC2008 00:00:00.864530	32
4	08DEC2008 00:00:01.114538	6	08DEC2008 00:00:01.114538	32
5	08DEC2008 00:00:01.364547	6	08DEC2008 00:00:01.364547	32
6	08DEC2008 00:00:01.614556	6	08DEC2008 00:00:01.614556	32
7	08DEC2008 00:00:01.864524	6	08DEC2008 00:00:01.864524	32
8	08DEC2008 00:00:02.114533	6	08DEC2008 00:00:02.114533	32
9	08DEC2008 00:00:02.364542	6	08DEC2008 00:00:02.364542	32
10	08DEC2008 00:00:02.614550	6	08DEC2008 00:00:02.614550	32
11	08DEC2008 00:00:02.864559	6	08DEC2008 00:00:02.864559	32
12	08DEC2008 00:00:03.114527	6	08DEC2008 00:00:03.114527	32
13	08DEC2008 00:00:03.364536	6	08DEC2008 00:00:03.364536	32
14	08DEC2008 00:00:03.614545	6	08DEC2008 00:00:03.614545	32
15	08DEC2008 00:00:03.864554	6	08DEC2008 00:00:03.864554	32
16	08DEC2008 00:00:04.114562	6	08DEC2008 00:00:04.114562	32
17	08DEC2008 00:00:04.364531	6	08DEC2008 00:00:04.364531	32
18	08DEC2008 00:00:04.489535	6	08DEC2008 00:00:04.489535	32
19	08DEC2008 00:00:04.614539	6	08DEC2008 00:00:04.614539	32
...

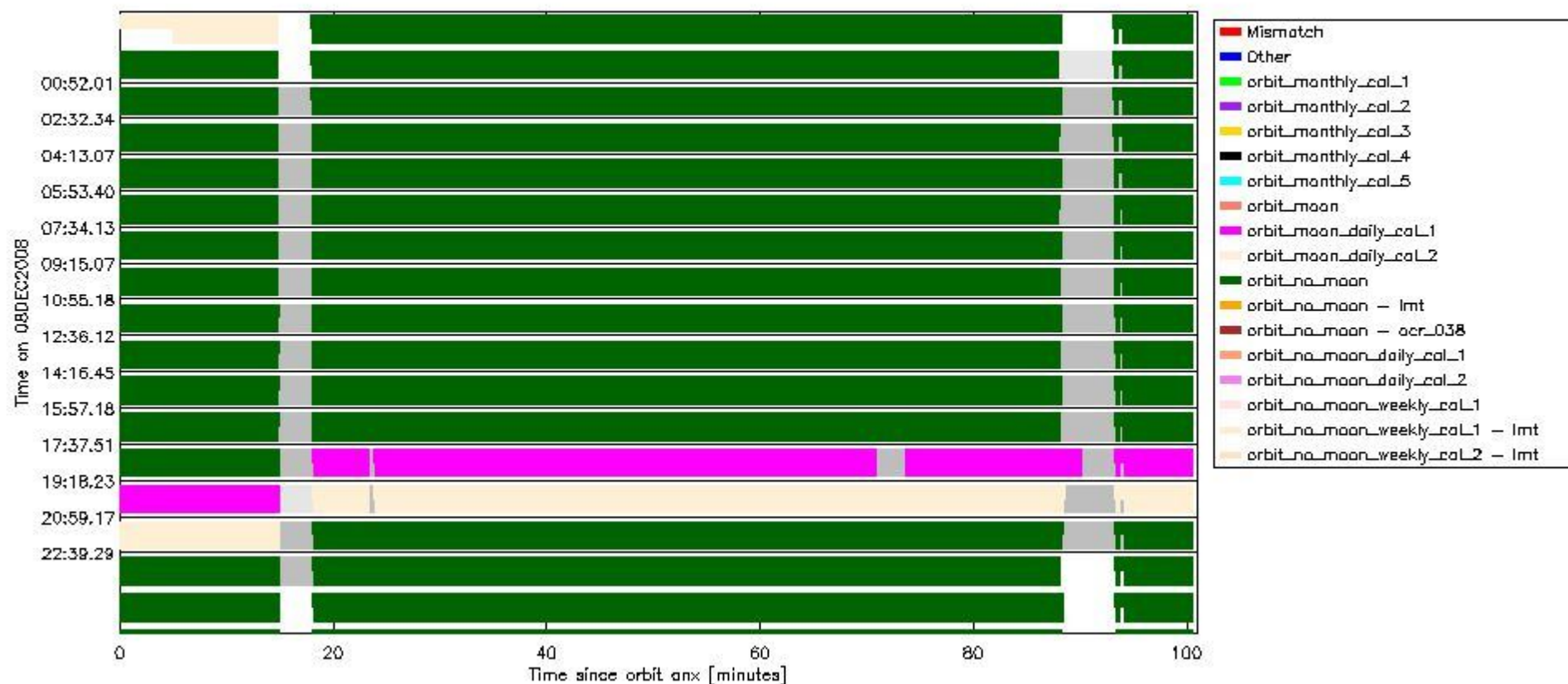


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081208_5.PNG

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 08DEC2008.
 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_20081208_6.PNG

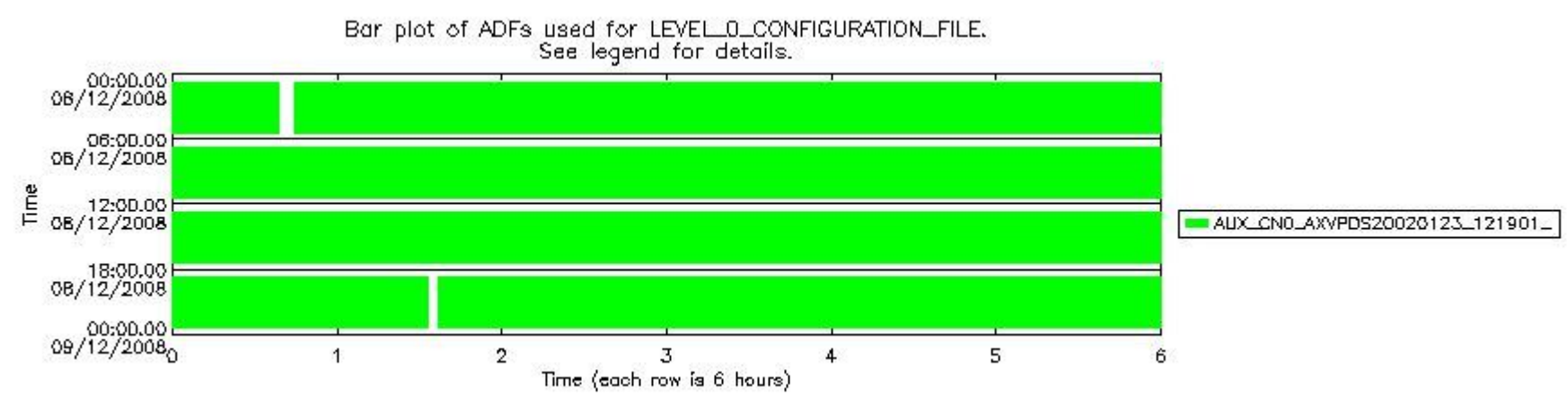
0.4 ADF monitoring

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

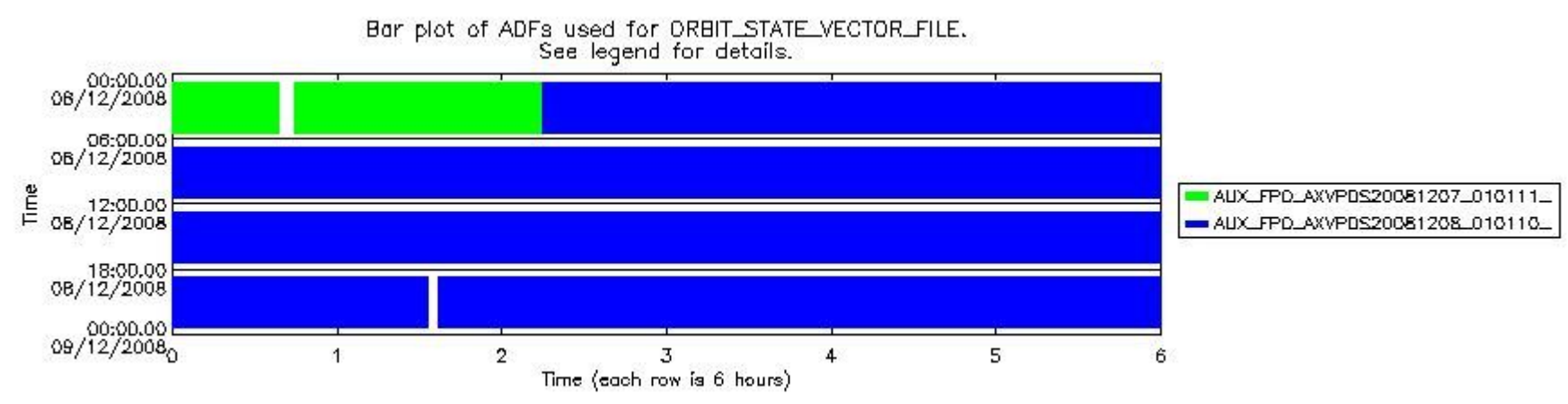
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

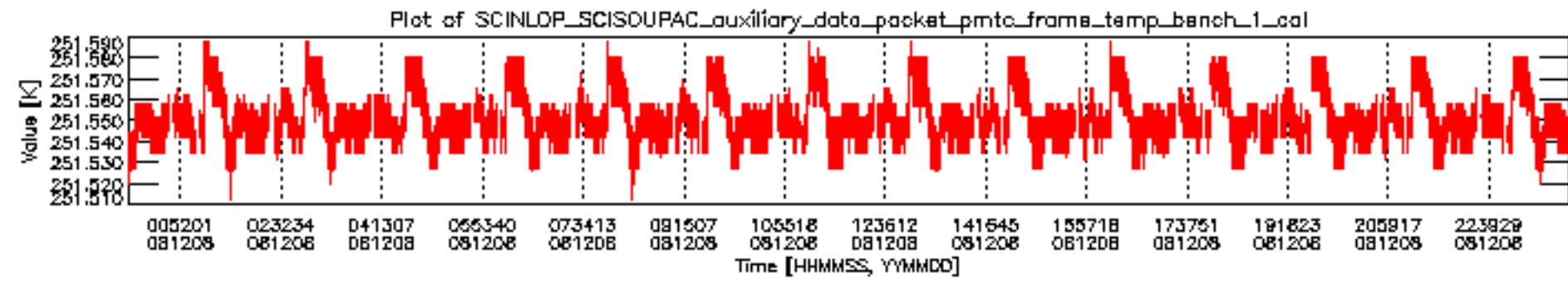
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081207_010111_20081206_184109_20081216_200723
2	AUX_FPO_AXVPDS20081208_010110_20081207_195008_20081217_211622

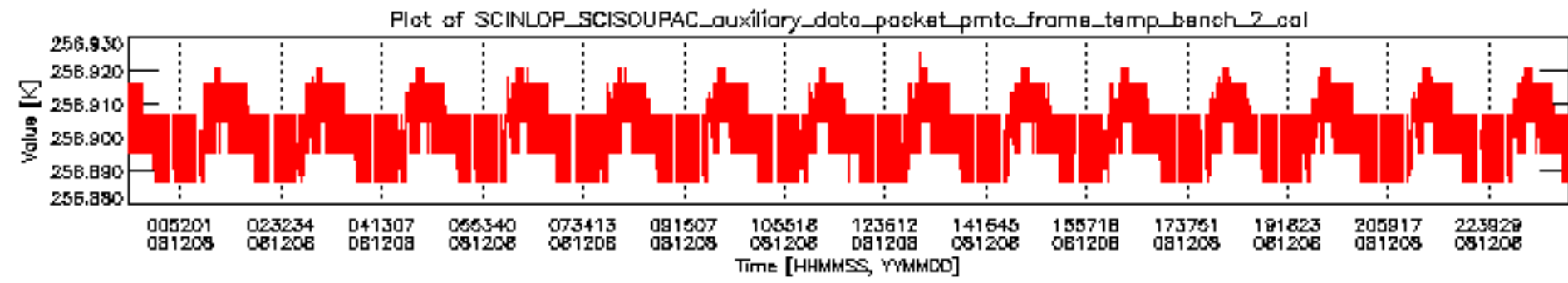


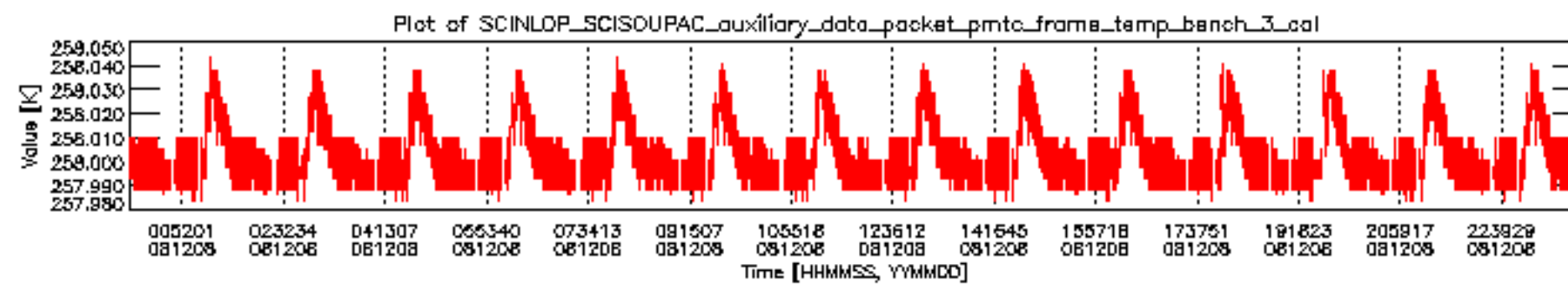
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081208_7.PNG

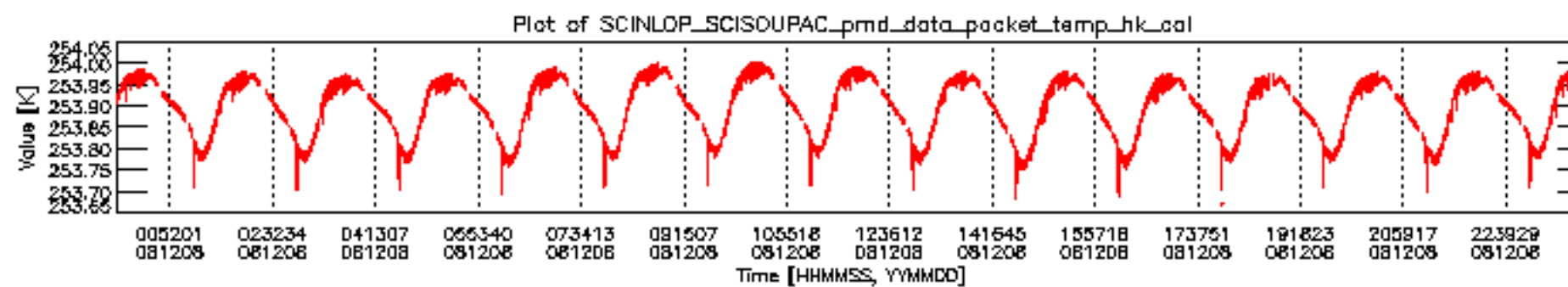


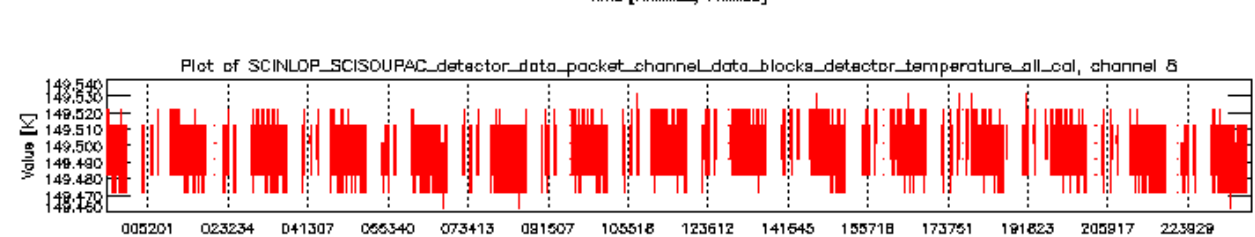
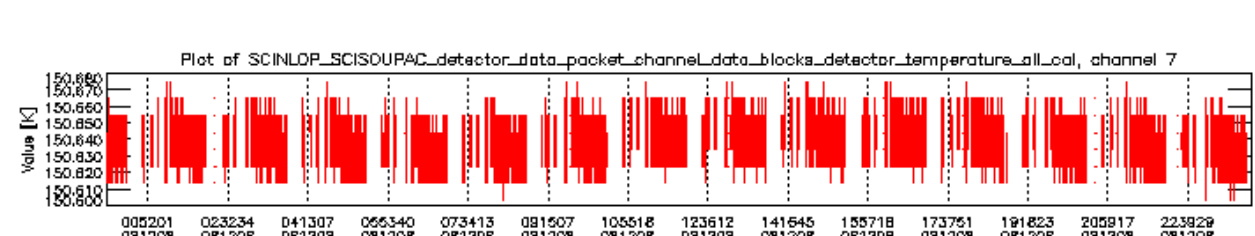
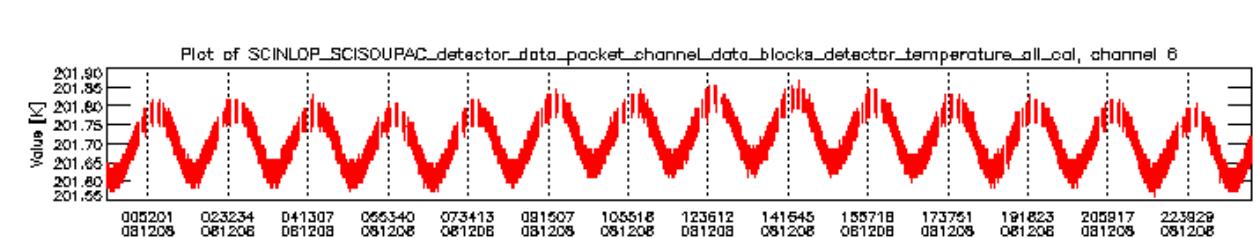
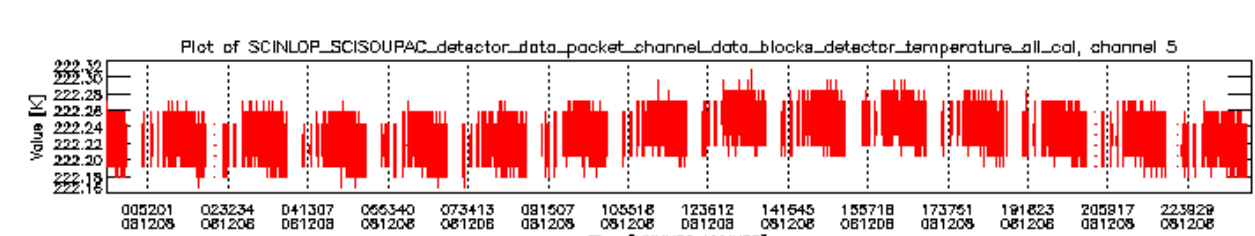
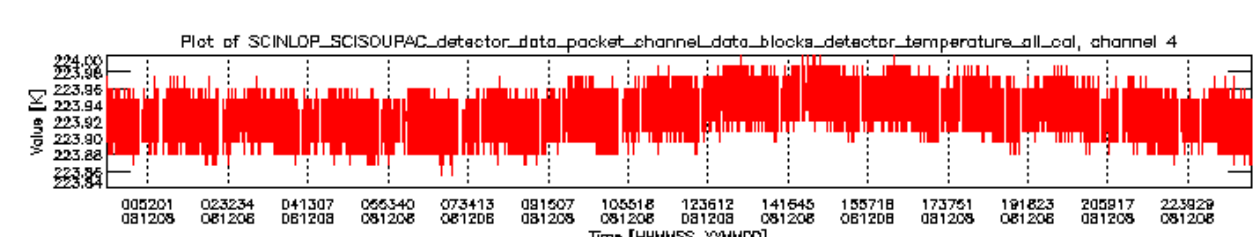
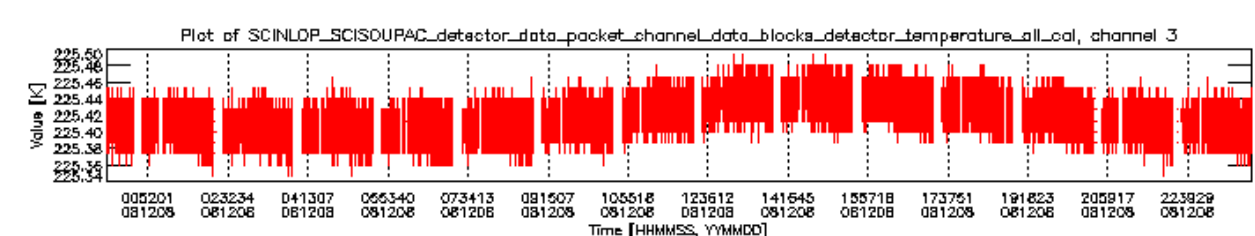
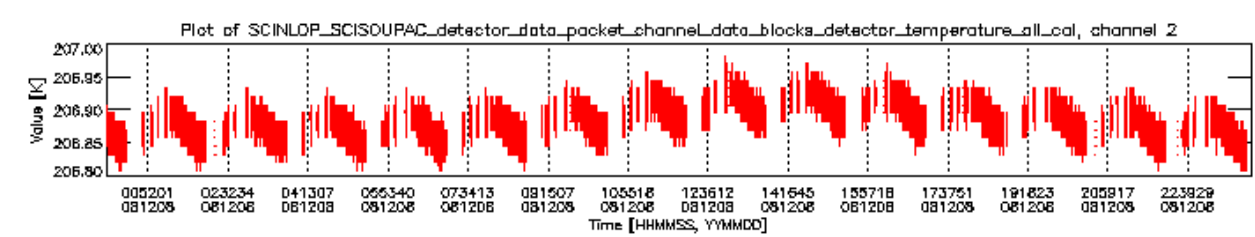
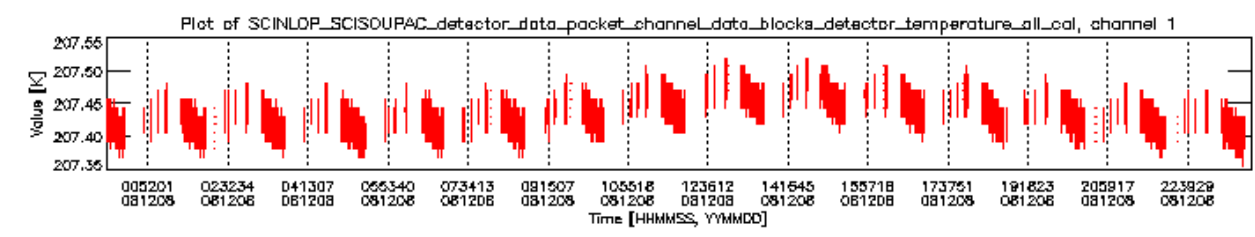
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081208_8.PNG

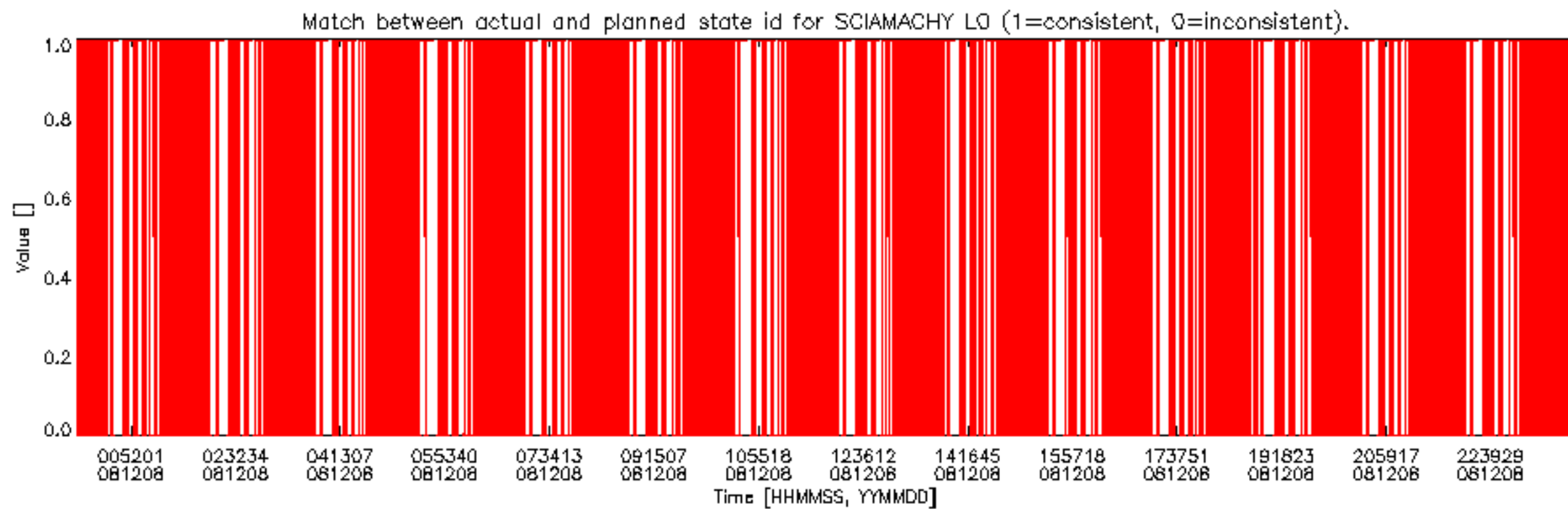
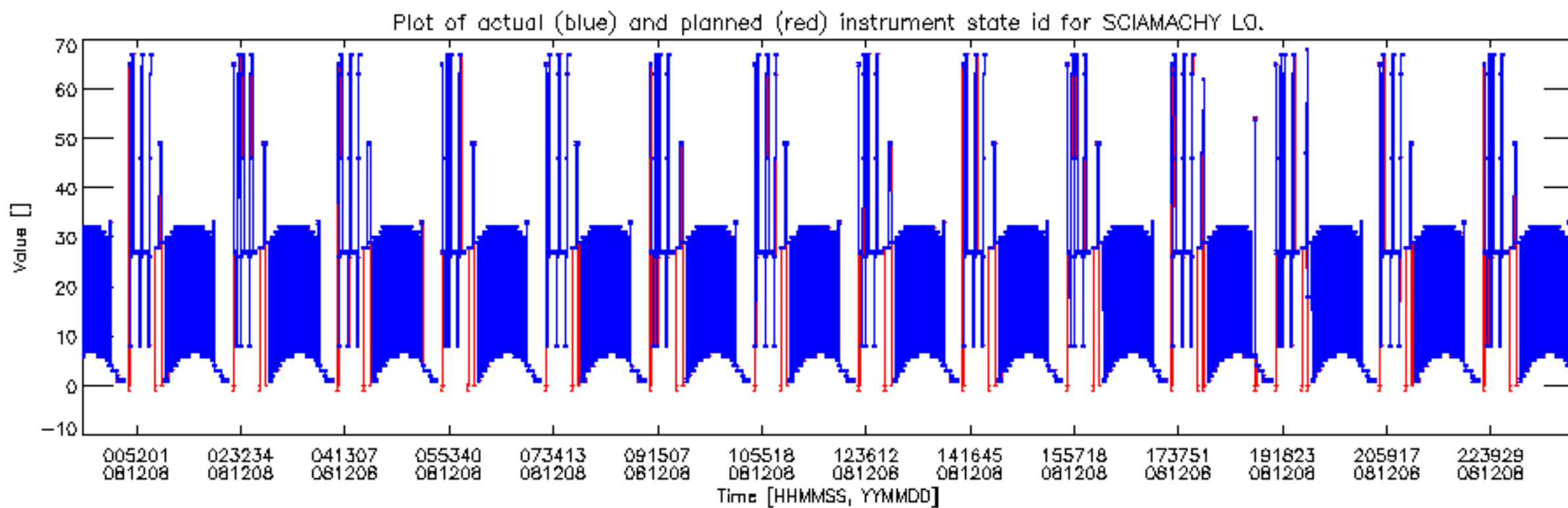




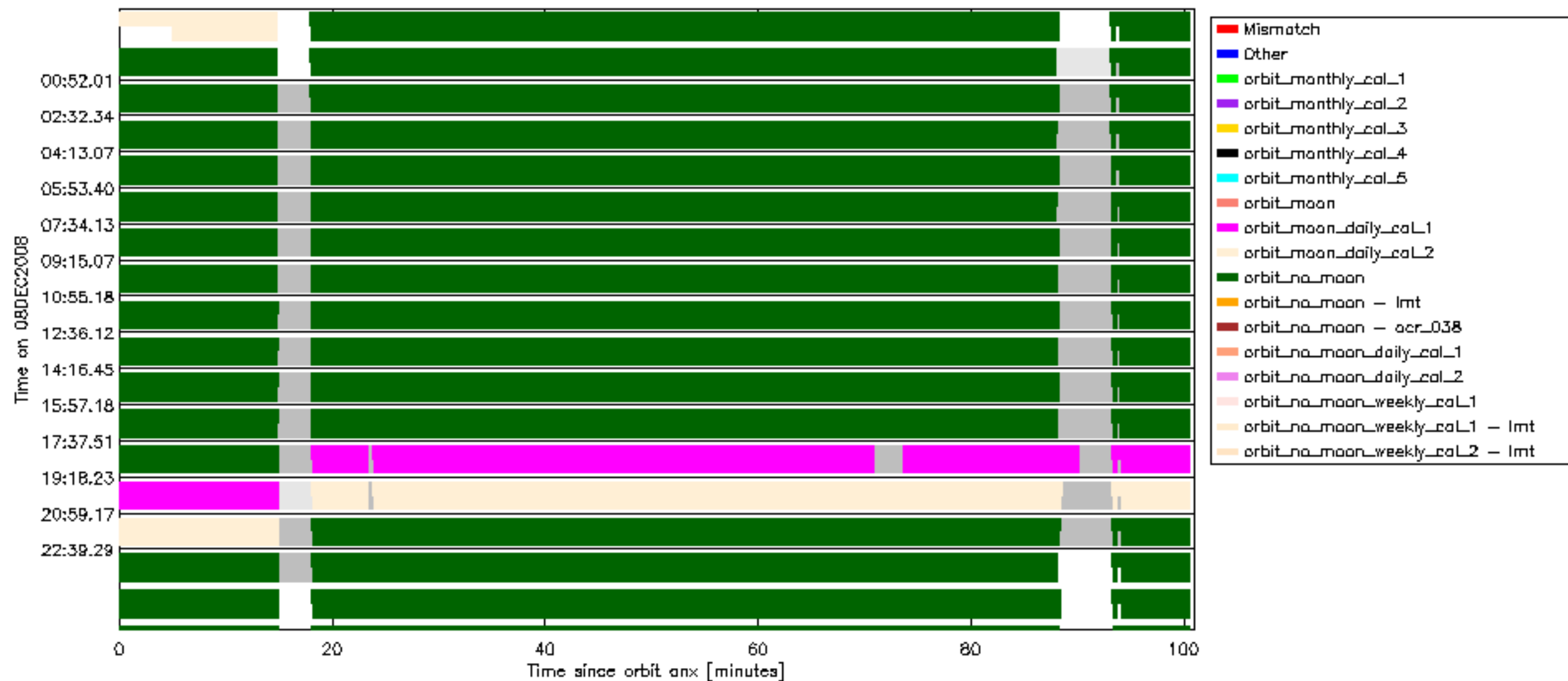


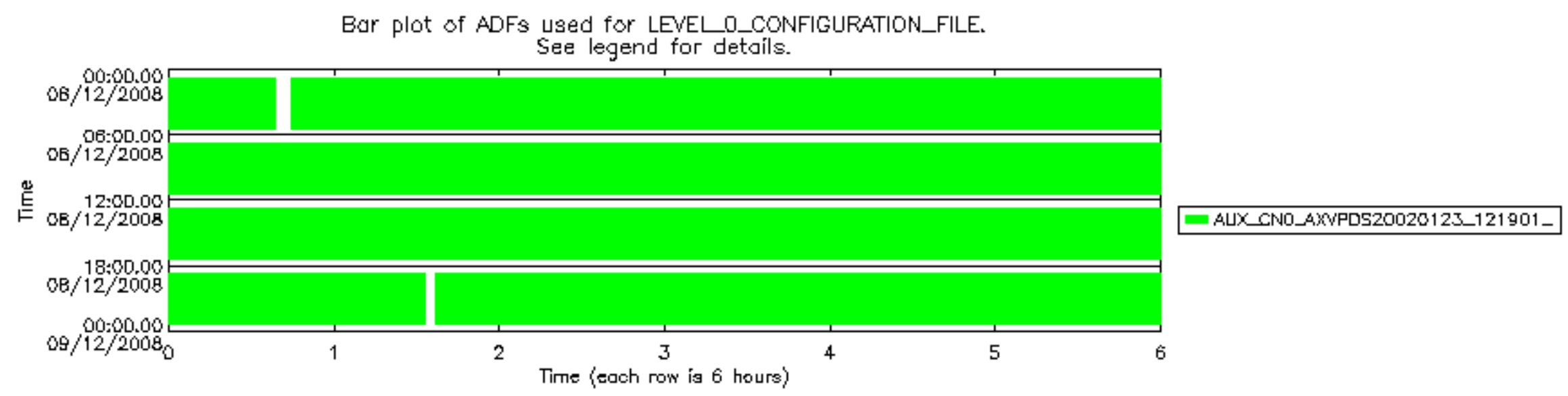






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

