

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	10DEC2008 06:28:05
Data source version	KSPT_L0/4303-N
Processing scope for products	06DEC2008 00:00:00 to 07DEC2008 00:00:00
Start time of first product within scope	05DEC2008 22:20:16
Stop time of last product within scope	07DEC2008 01:09:53
Total number of level 0 products	16
Number of level 0 products with errors	2

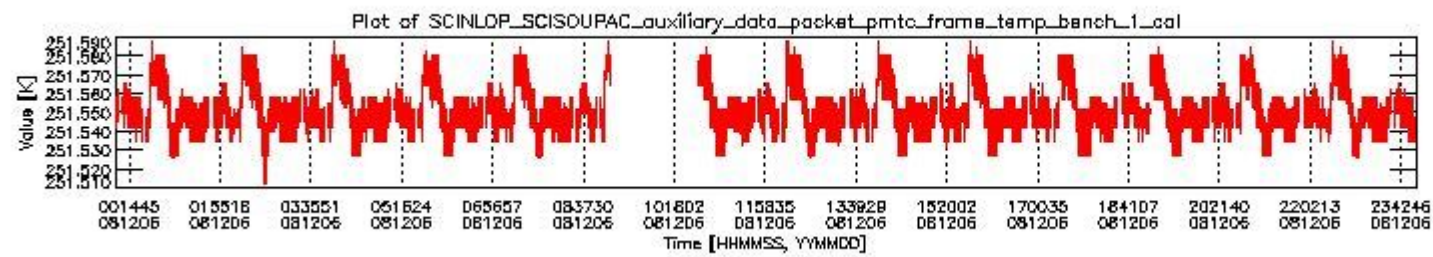
0.1.2 Summary per product

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

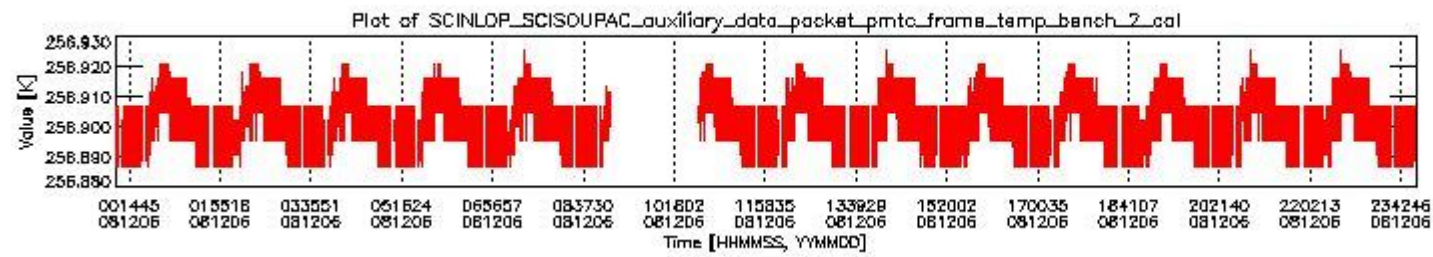
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081205_222016_000060492074_00258_35382_8034.N1	05DEC2008 22:20:16	06DEC2008 00:01:04	0	0	0	0	0
1	SCI_NL__OPNPDE20081206_000104_000060232074_00259_35383_8035.N1	06DEC2008 00:01:04	06DEC2008 01:41:28	0	0	0	0	0
2	SCI_NL__OPNPDE20081206_014019_000048102074_00260_35384_8036.N1	06DEC2008 01:40:19	06DEC2008 03:00:29	0	0	0	0	0
3	SCI_NL__OPNPDE20081206_025920_000058432074_00261_35385_8037.N1	06DEC2008 02:59:20	06DEC2008 04:36:43	0	0	0	0	0
4	SCI_NL__OPNPDE20081206_043547_000061052074_00262_35386_8038.N1	06DEC2008 04:35:47	06DEC2008 06:17:32	0	0	0	0	0
5	SCI_NL__OPNPDK20081206_061623_000041702074_00263_35387_0116.N1	06DEC2008 06:16:23	06DEC2008 07:25:53	0	0	0	0	0
6	SCI_NL__OPNPDK20081206_072445_000061052074_00264_35388_0117.N1	06DEC2008 07:24:45	06DEC2008 09:06:29	1	1	0	0	0
7	SCI_NL__OPNPDK20081206_104501_000060362074_00266_35390_0119.N1	06DEC2008 10:45:01	06DEC2008 12:25:37	0	0	0	0	0
8	SCI_NL__OPNPDK20081206_122345_000059802074_00267_35391_0120.N1	06DEC2008 12:23:45	06DEC2008 14:03:25	0	0	0	0	0
9	SCI_NL__OPNPDK20081206_140107_000060362074_00268_35392_0121.N1	06DEC2008 14:01:07	06DEC2008 15:41:43	0	0	0	0	0
10	SCI_NL__OPNPDK20081206_154143_000058672074_00269_35393_0122.N1	06DEC2008 15:41:43	06DEC2008 17:19:31	0	0	0	0	0
11	SCI_NL__OPNPDK20081206_171835_000057572074_00270_35394_0123.N1	06DEC2008 17:18:35	06DEC2008 18:54:32	1	1	1	0	0
12	SCI_NL__OPNPDK20081206_185911_000057972074_00271_35395_0124.N1	06DEC2008 18:59:11	06DEC2008 20:35:48	0	0	0	0	0
13	SCI_NL__OPNPDE20081206_203504_000044172074_00272_35396_8039.N1	06DEC2008 20:35:04	06DEC2008 21:48:40	0	0	0	0	0
14	SCI_NL__OPNPDE20081206_214840_000060492074_00272_35396_8040.N1	06DEC2008 21:48:40	06DEC2008 23:29:29	0	0	0	0	0
15	SCI_NL__OPNPDE20081206_232929_000060232074_00273_35397_8041.N1	06DEC2008 23:29:29	07DEC2008 01:09:53	0	0	0	0	0

0.2 Product Quality Indicators

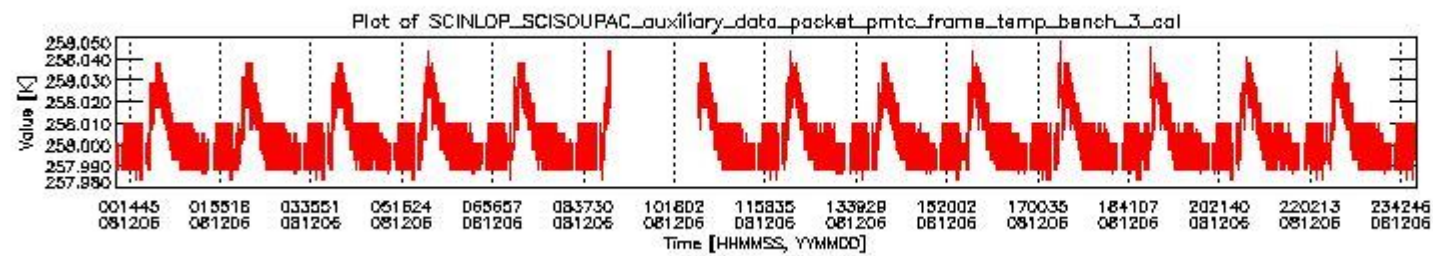
This section shows information about product quality, currently temperatures.



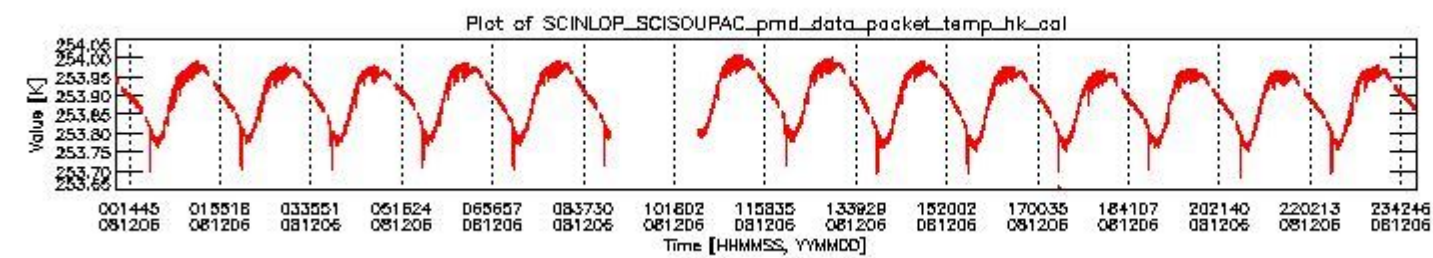
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081206_0.PNG



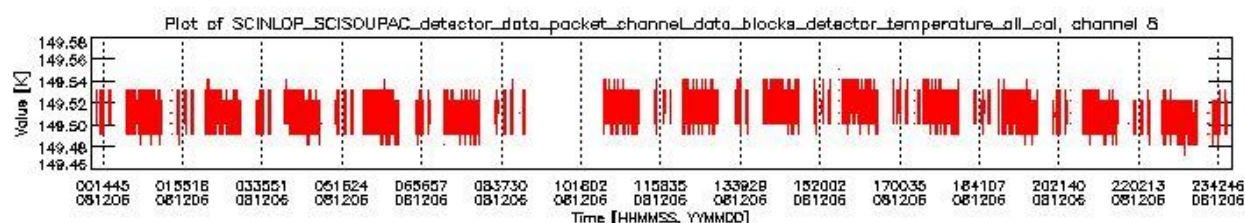
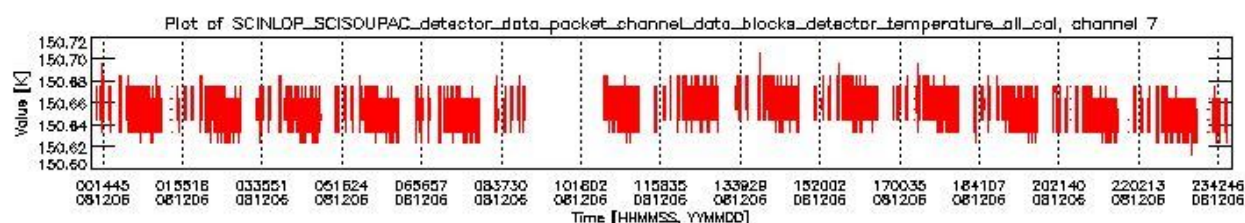
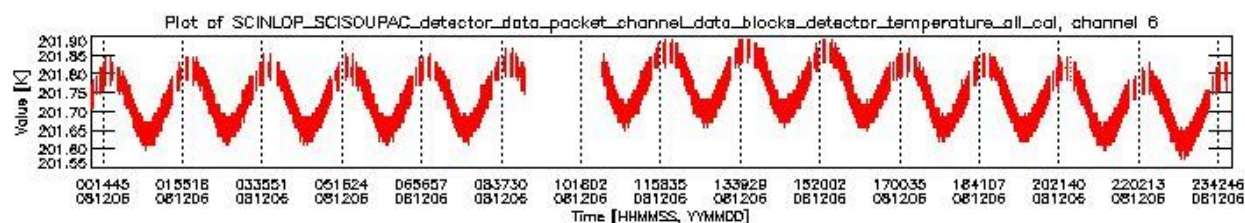
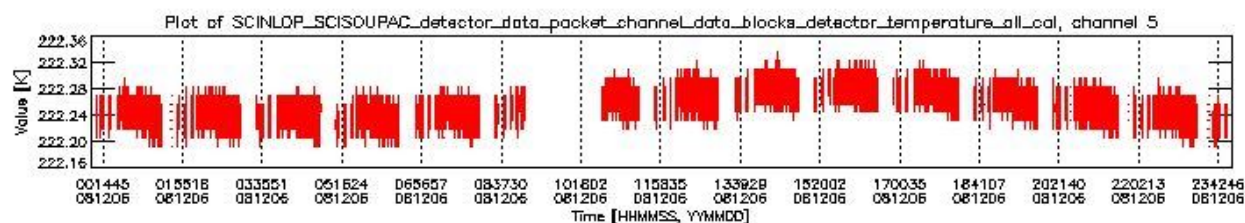
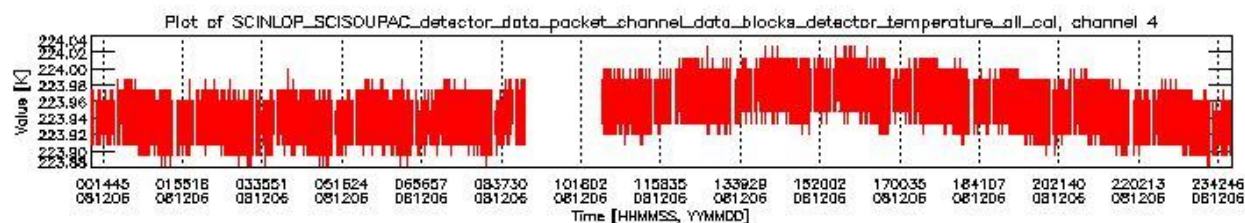
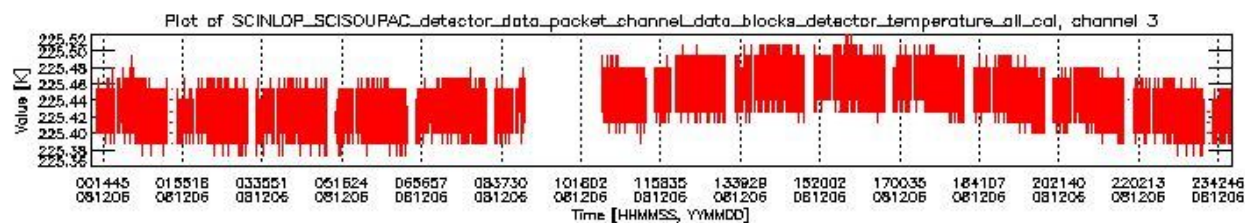
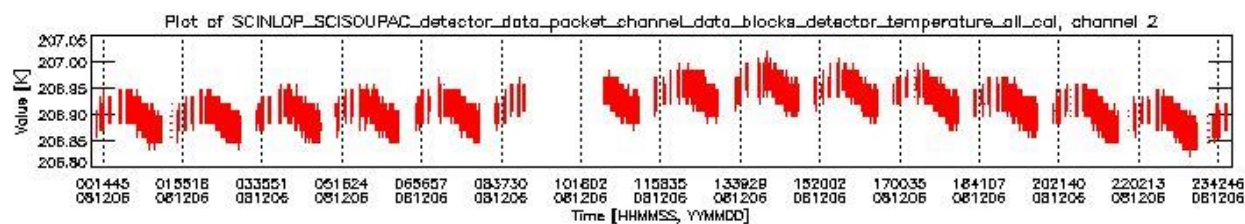
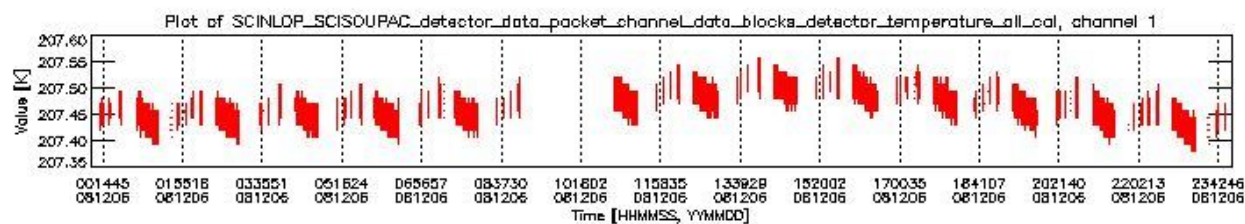
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081206_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081206_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081206_3.PNG

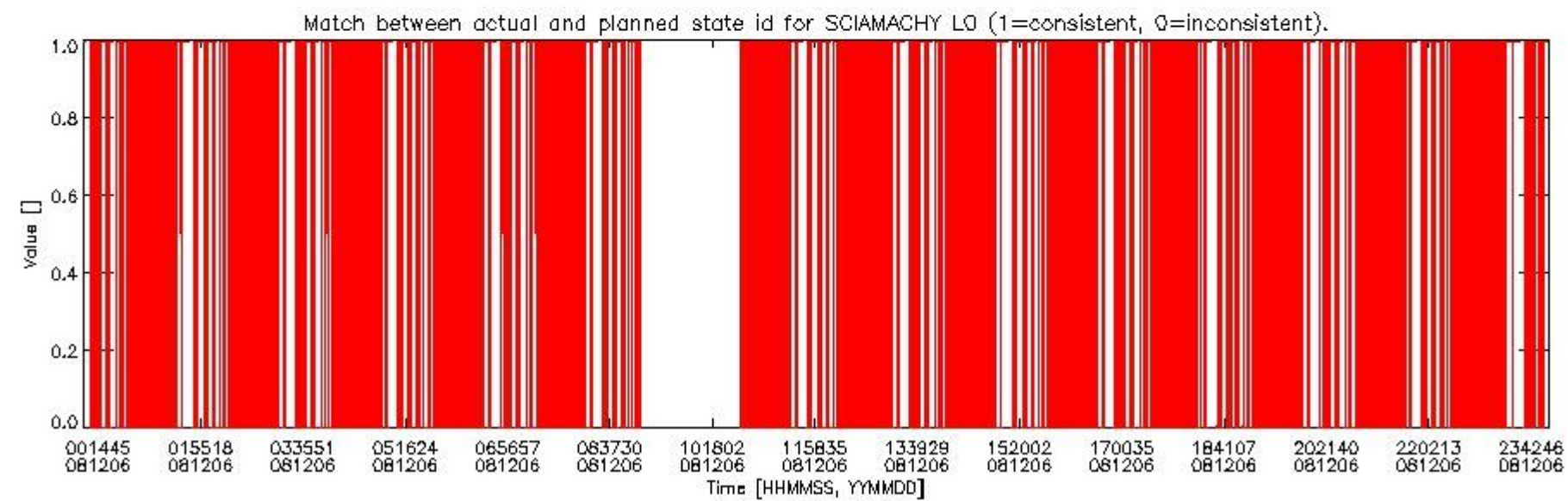
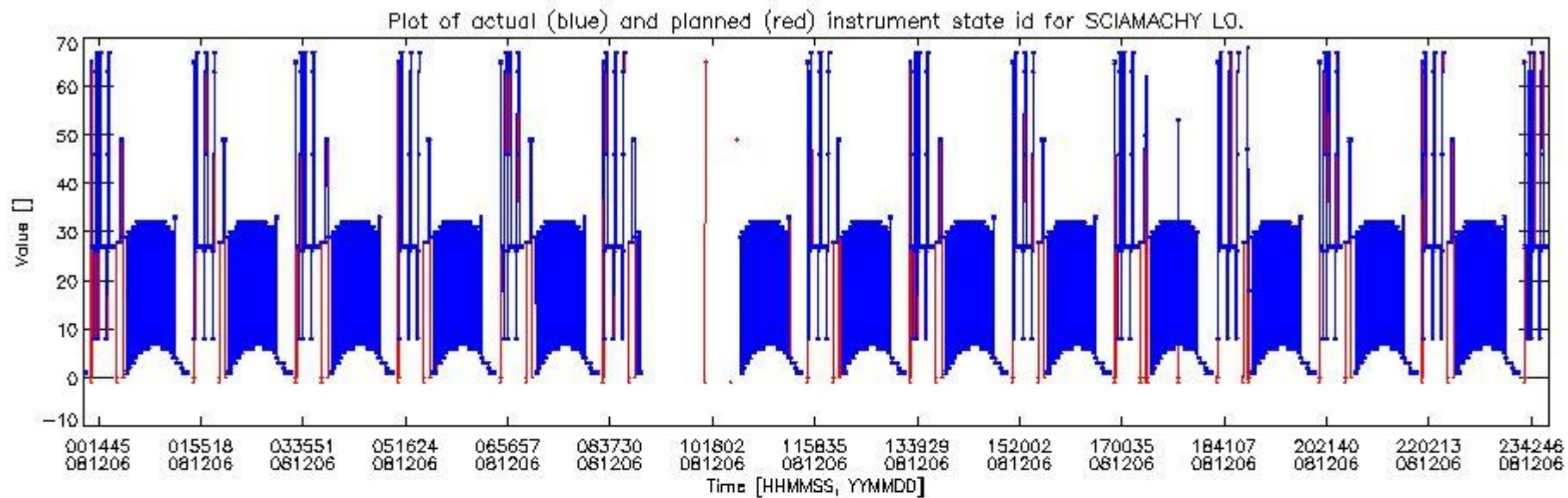


0.3 State monitoring

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: **46222**

#	Actual time	Actual value	Planned time	Planned value
0	06DEC2008 00:07:10.808808	65	06DEC2008 00:07:10.808808	0
1	06DEC2008 00:07:11.433830	65	06DEC2008 00:07:11.433830	0
2	06DEC2008 00:07:11.933807	65	06DEC2008 00:07:11.933807	0
3	06DEC2008 00:07:12.433824	65	06DEC2008 00:07:12.433824	0
4	06DEC2008 00:07:12.933801	65	06DEC2008 00:07:12.933801	0
5	06DEC2008 00:07:13.433819	65	06DEC2008 00:07:13.433819	0
6	06DEC2008 00:07:13.933796	65	06DEC2008 00:07:13.933796	0
7	06DEC2008 00:07:14.433813	65	06DEC2008 00:07:14.433813	0
8	06DEC2008 00:07:14.933831	65	06DEC2008 00:07:14.933831	0
9	06DEC2008 00:07:15.433808	65	06DEC2008 00:07:15.433808	0
10	06DEC2008 00:07:15.808821	65	06DEC2008 00:07:15.808821	0
11	06DEC2008 00:07:15.933825	65	06DEC2008 00:07:15.933825	0
12	06DEC2008 00:07:16.433803	65	06DEC2008 00:07:16.433803	0
13	06DEC2008 00:07:16.933820	65	06DEC2008 00:07:16.933820	0
14	06DEC2008 00:07:17.433797	65	06DEC2008 00:07:17.433797	0
15	06DEC2008 00:07:17.933815	65	06DEC2008 00:07:17.933815	0
16	06DEC2008 00:07:18.433832	65	06DEC2008 00:07:18.433832	0
17	06DEC2008 00:07:18.933809	65	06DEC2008 00:07:18.933809	0
18	06DEC2008 00:07:54.562745	27	06DEC2008 00:07:54.562745	0
19	06DEC2008 00:07:55.562739	27	06DEC2008 00:07:55.562739	0
...

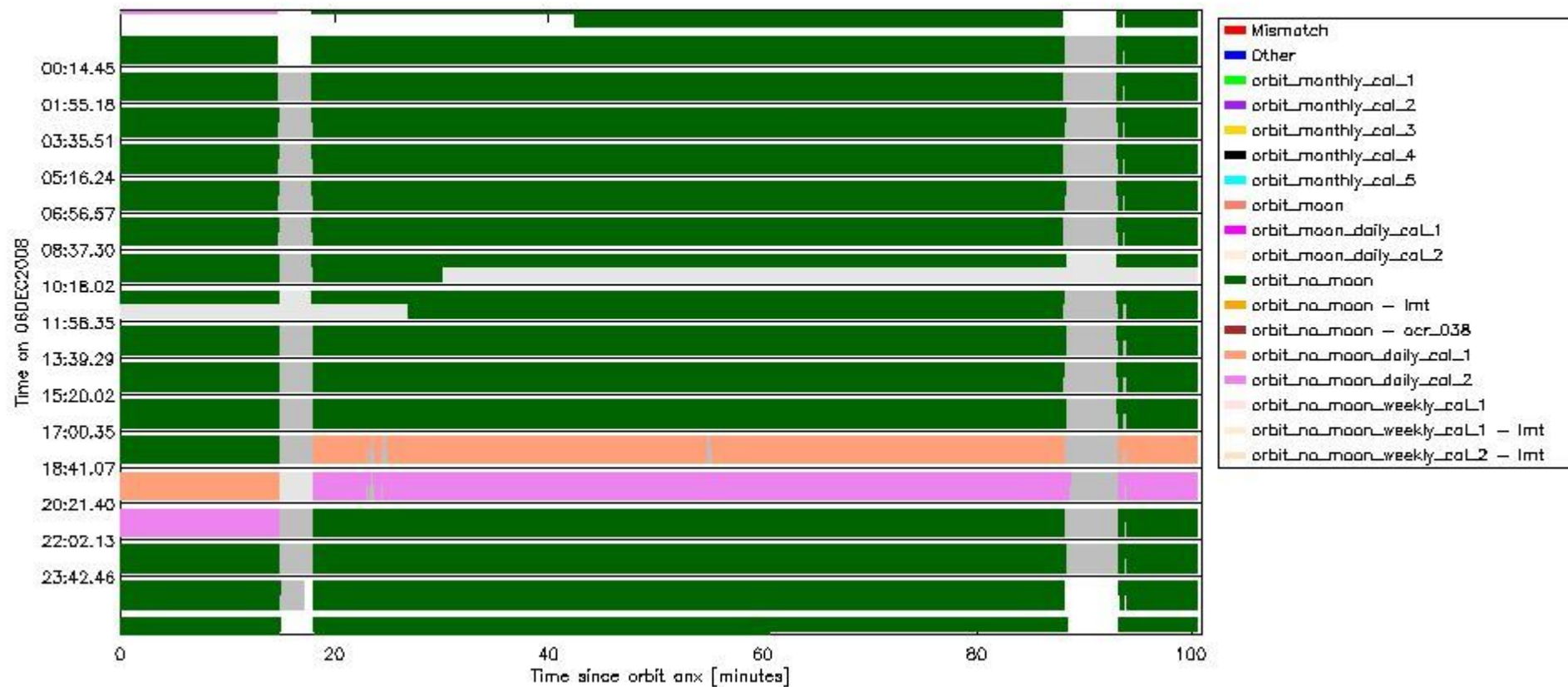


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081206_5.PNG

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 06DEC2008.
 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_20081206_6.PNG

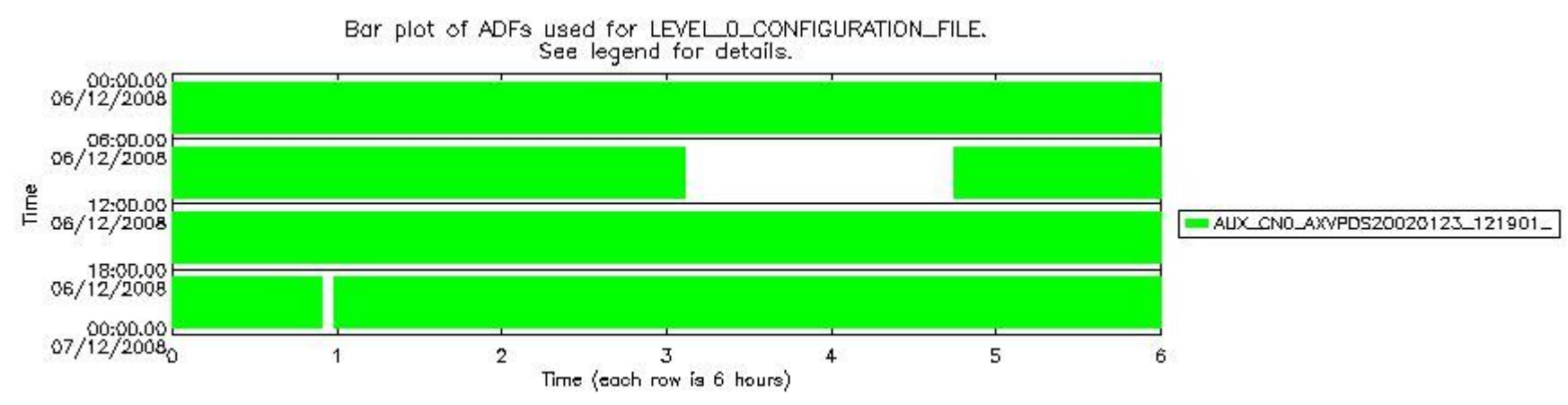
0.4 ADF monitoring

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

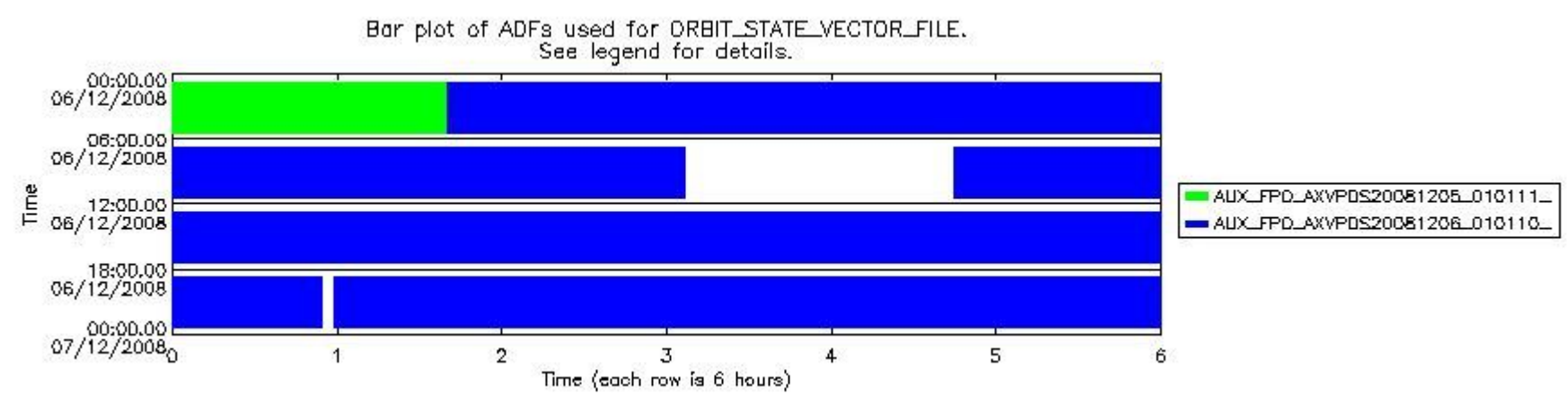
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

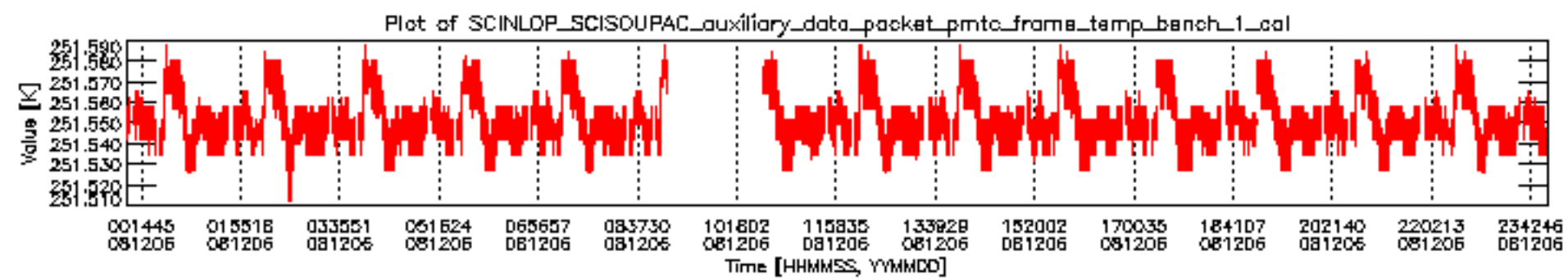
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081205_010111_20081204_194423_20081214_211037
2	AUX_FPO_AXVPDS20081206_010110_20081205_191246_20081215_203900

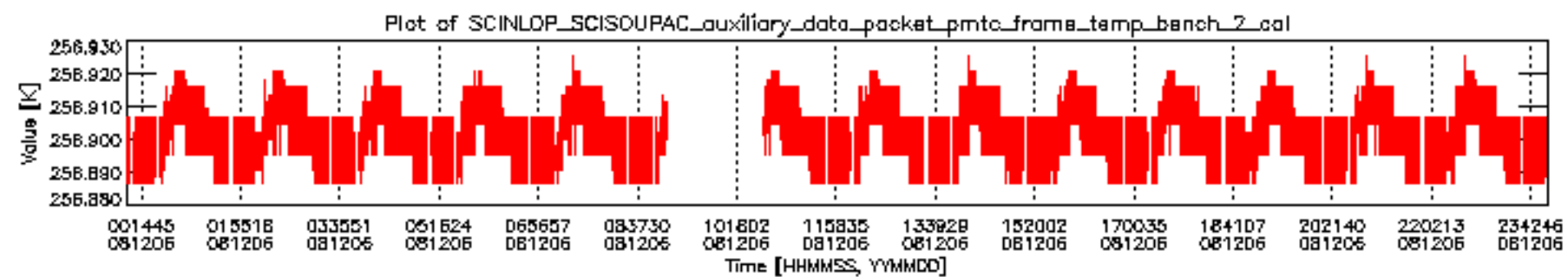


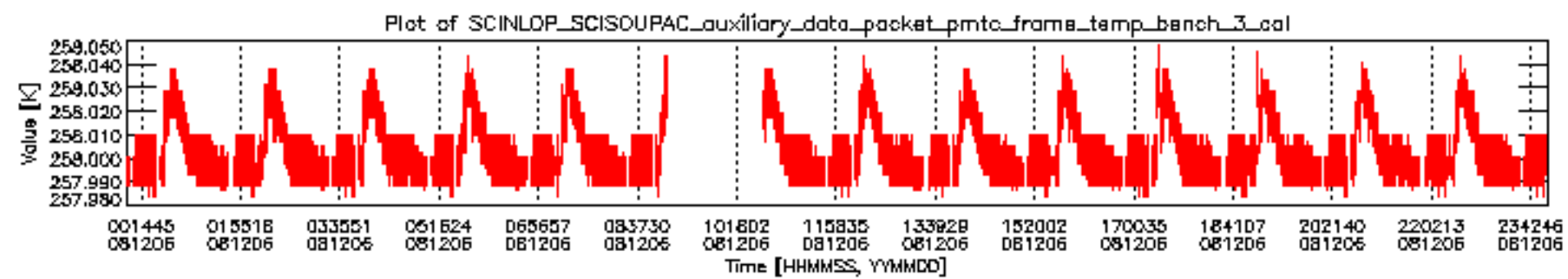
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081206_7.PNG

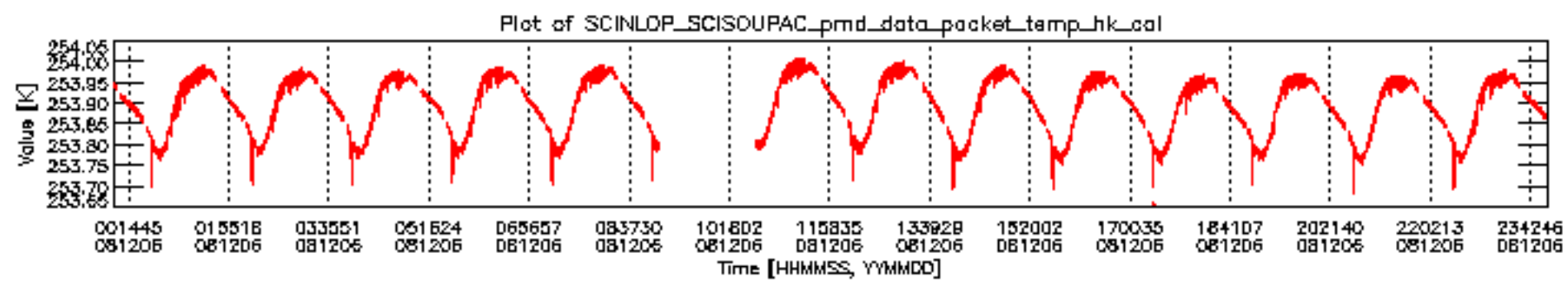


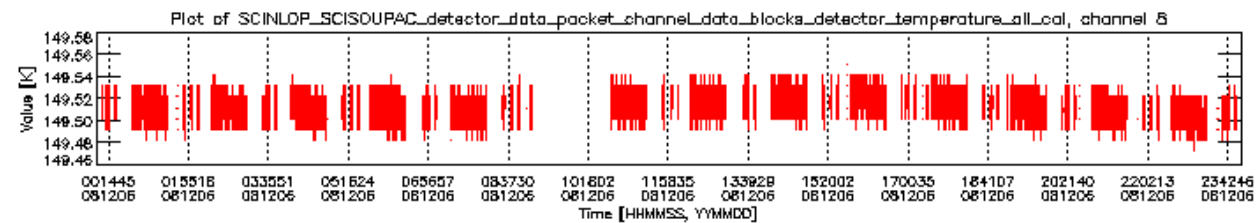
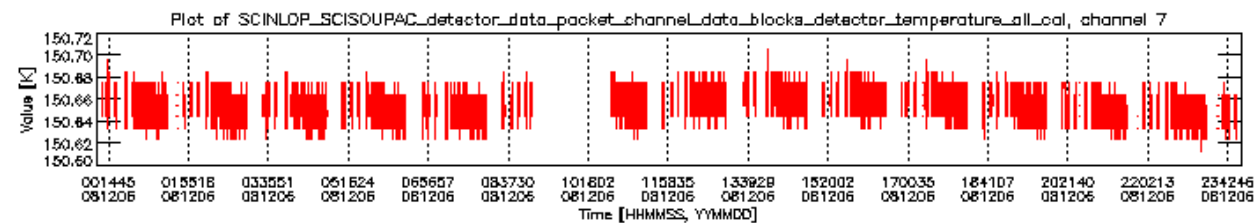
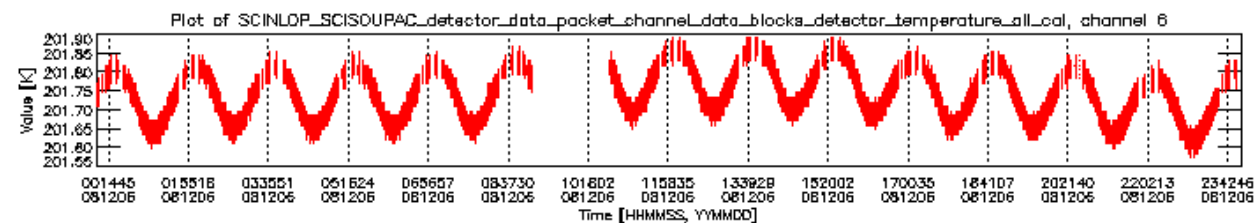
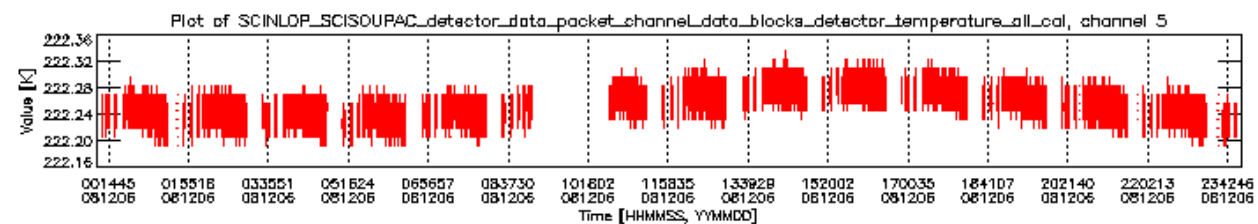
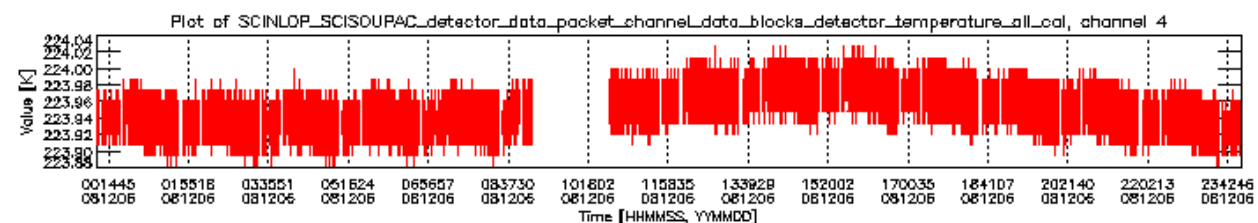
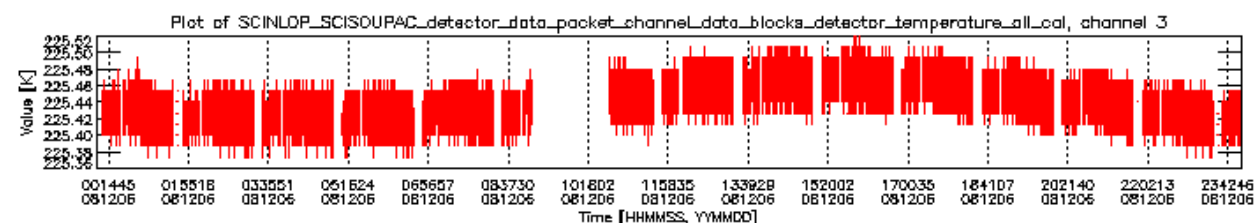
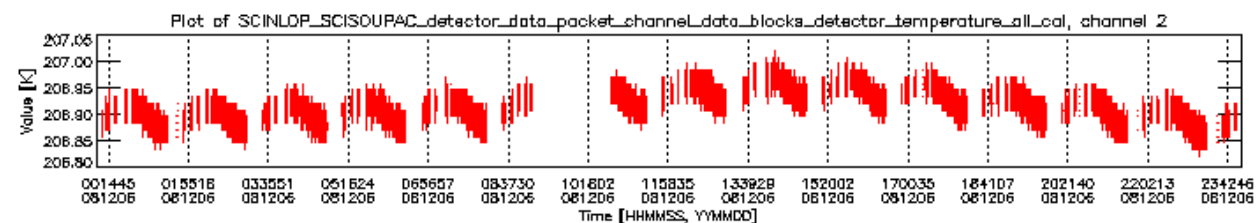
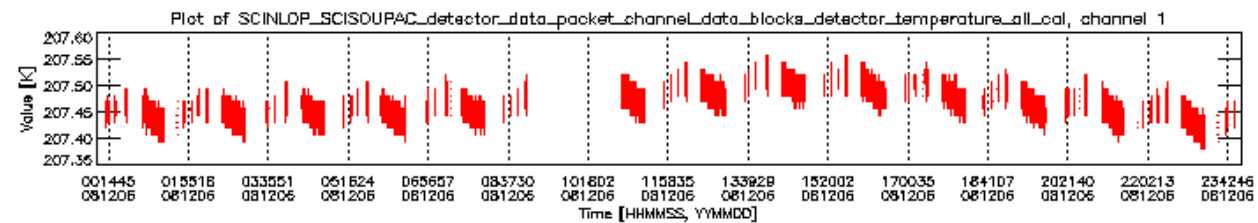
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081206_8.PNG

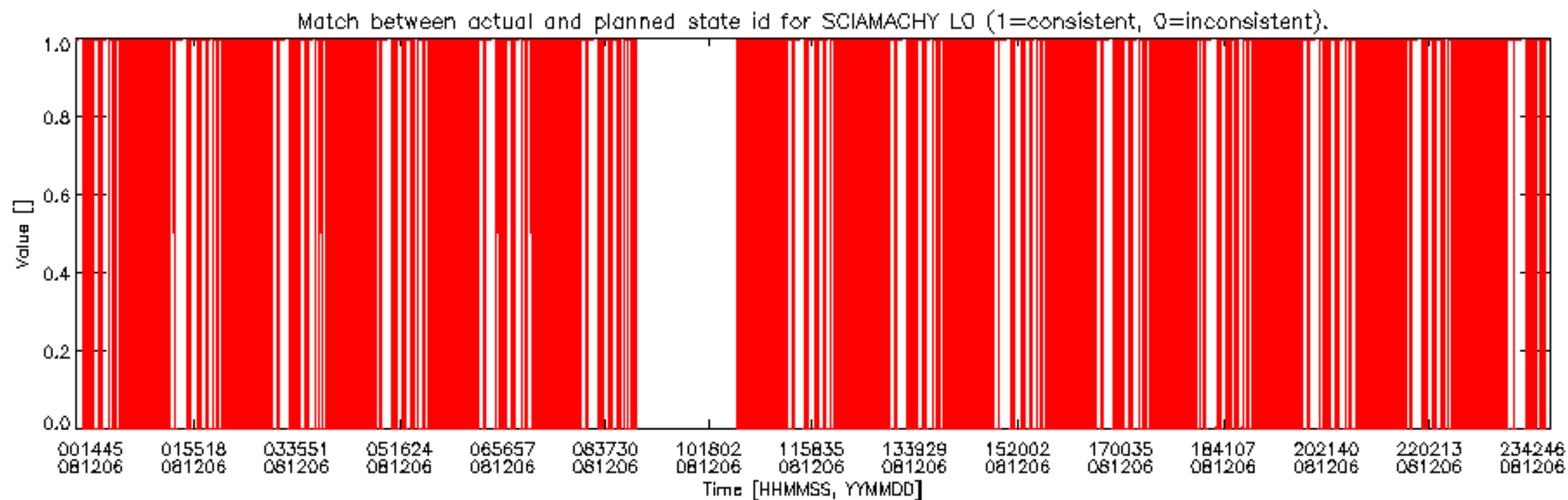
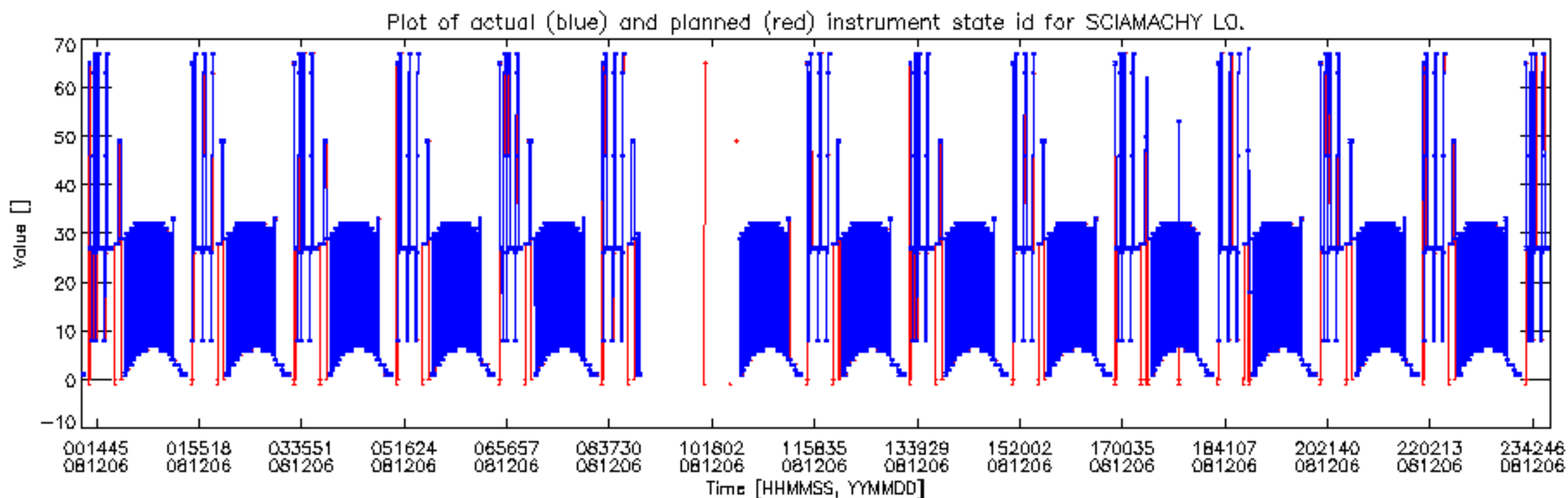




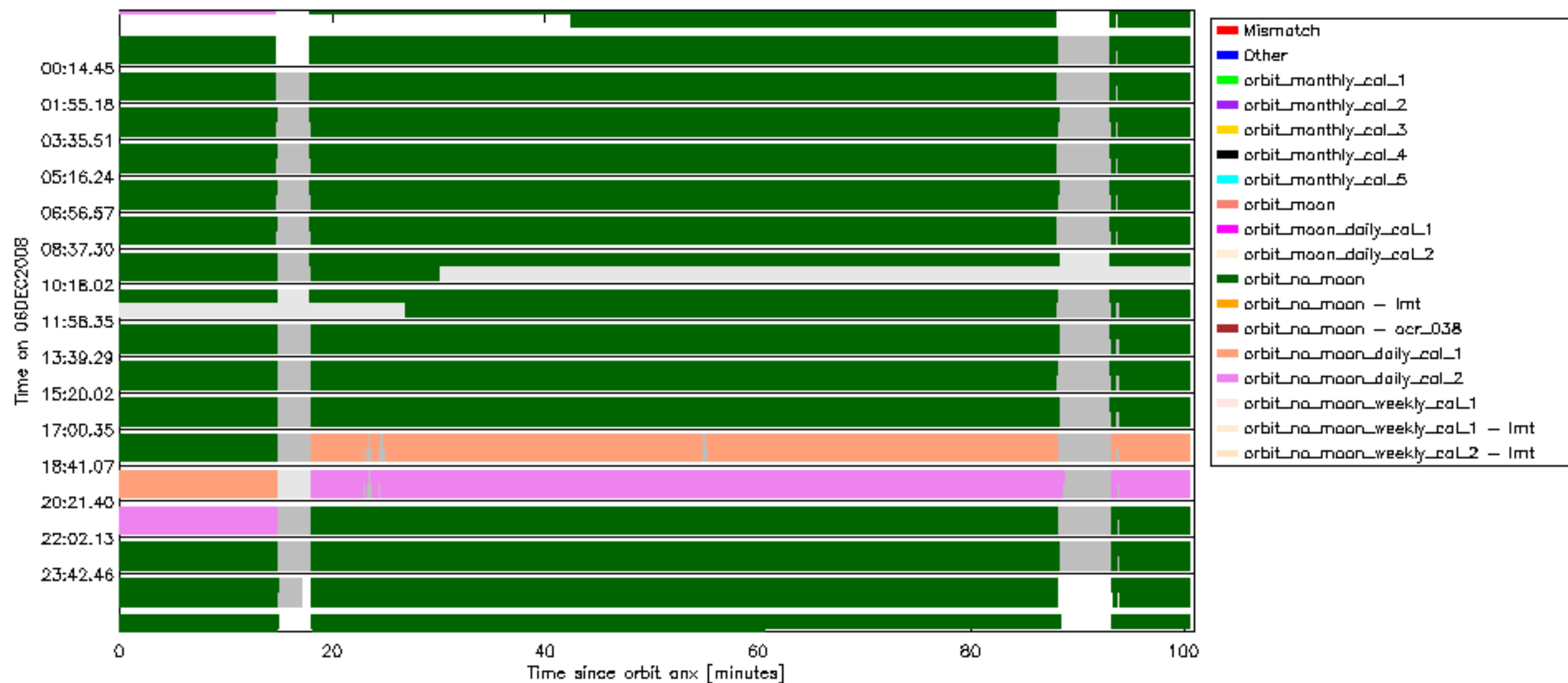


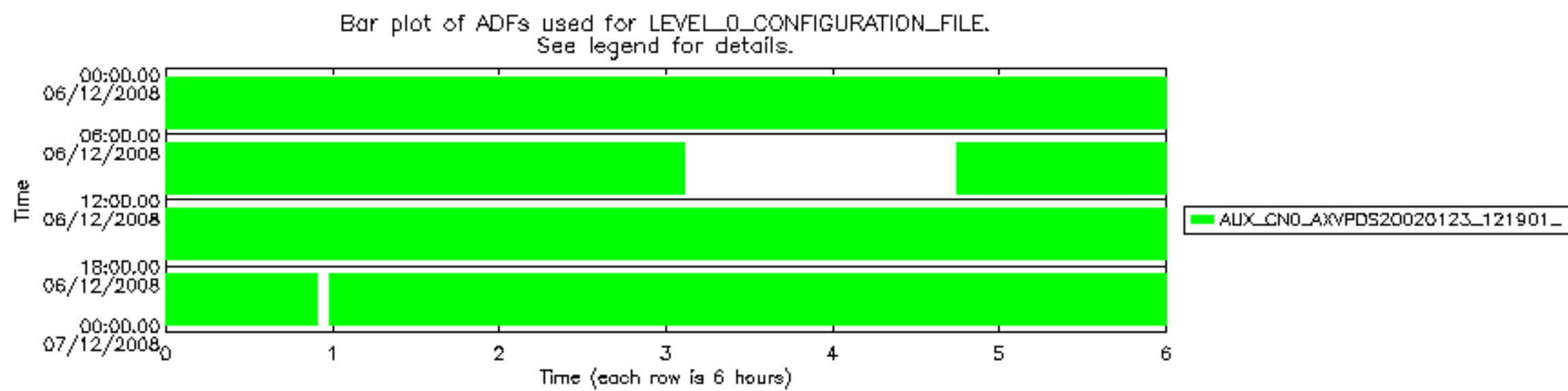






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

