

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	27FEB2009 05:32:13
Data source version	KSPT_L0/4303-N
Processing scope for products	23FEB2009 00:00:00 to 24FEB2009 00:00:00
Start time of first product within scope	22FEB2009 22:40:17
Stop time of last product within scope	24FEB2009 01:22:15
Total number of level 0 products	17
Number of level 0 products with errors	2

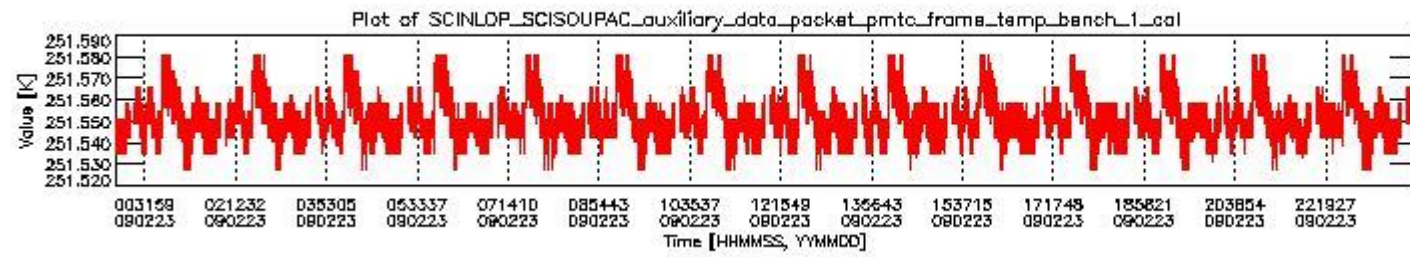
0.1.2 Summary per product

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

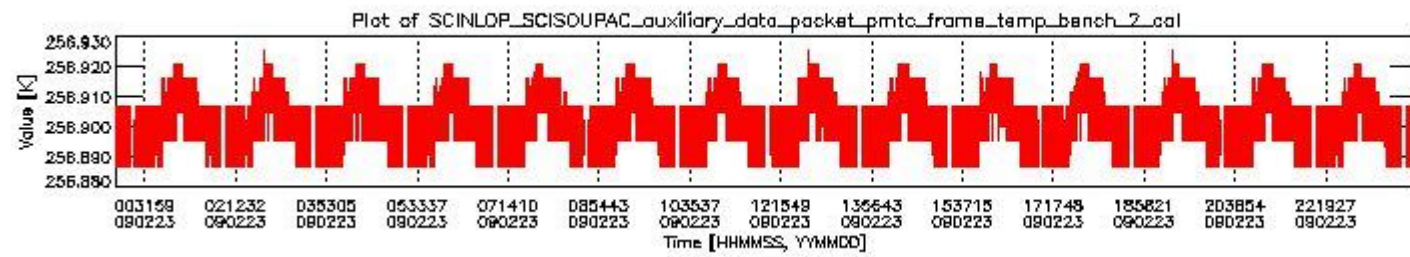
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090222_224017_000060352076_00387_36513_8546.N1	22FEB2009 22:40:17	23FEB2009 00:20:53	0	0	0	0	0
1	SCI_NL__OPNPDE20090223_002053_000055862076_00388_36514_8547.N1	23FEB2009 00:20:53	23FEB2009 01:53:59	0	0	0	0	0
2	SCI_NL__OPNPDE20090223_020128_000045402076_00389_36515_8548.N1	23FEB2009 02:01:28	23FEB2009 03:17:08	0	0	0	0	0
3	SCI_NL__OPNPDE20090223_031600_000059112076_00390_36516_8549.N1	23FEB2009 03:16:00	23FEB2009 04:54:31	0	0	0	0	0
4	SCI_NL__OPNPDE20090223_045322_000060482076_00391_36517_8550.N1	23FEB2009 04:53:22	23FEB2009 06:34:10	0	0	0	0	0
5	SCI_NL__OPNPDK20090223_063410_000041562076_00392_36518_0792.N1	23FEB2009 06:34:10	23FEB2009 07:43:27	1	0	1	0	0
6	SCI_NL__OPNPDK20090223_074122_000061042076_00393_36519_0793.N1	23FEB2009 07:41:22	23FEB2009 09:23:06	0	0	0	0	0
7	SCI_NL__OPNPDK20090223_092102_000061602076_00394_36520_0794.N1	23FEB2009 09:21:02	23FEB2009 11:03:42	0	0	0	0	0
8	SCI_NL__OPNPDK20090223_110233_000059242076_00395_36521_0795.N1	23FEB2009 11:02:33	23FEB2009 12:41:17	1	0	1	0	0
9	SCI_NL__OPNPDK20090223_124008_000059672076_00396_36522_0796.N1	23FEB2009 12:40:08	23FEB2009 14:19:35	0	0	0	0	0
10	SCI_NL__OPNPDK20090223_141743_000060912076_00397_36523_0797.N1	23FEB2009 14:17:43	23FEB2009 15:59:15	0	0	0	0	0
11	SCI_NL__OPNPDK20090223_155627_000058982076_00398_36524_0798.N1	23FEB2009 15:56:27	23FEB2009 17:34:45	0	0	0	0	0
12	SCI_NL__OPNPDK20090223_173348_000060922076_00399_36525_0799.N1	23FEB2009 17:33:48	23FEB2009 19:15:20	0	0	0	0	0
13	SCI_NL__OPNPDK20090223_191327_000061482076_00400_36526_0800.N1	23FEB2009 19:13:27	23FEB2009 20:55:56	0	0	0	0	0
14	SCI_NL__OPNPDE20090223_205556_000039092076_00401_36527_8551.N1	23FEB2009 20:55:56	23FEB2009 22:01:04	0	0	0	0	0
15	SCI_NL__OPNPDE20090223_220833_000056002076_00401_36527_8552.N1	23FEB2009 22:08:33	23FEB2009 23:41:52	0	0	0	0	0
16	SCI_NL__OPNPDE20090223_234908_000055872076_00402_36528_8553.N1	23FEB2009 23:49:08	24FEB2009 01:22:15	0	0	0	0	0

0.2 Product Quality Indicators

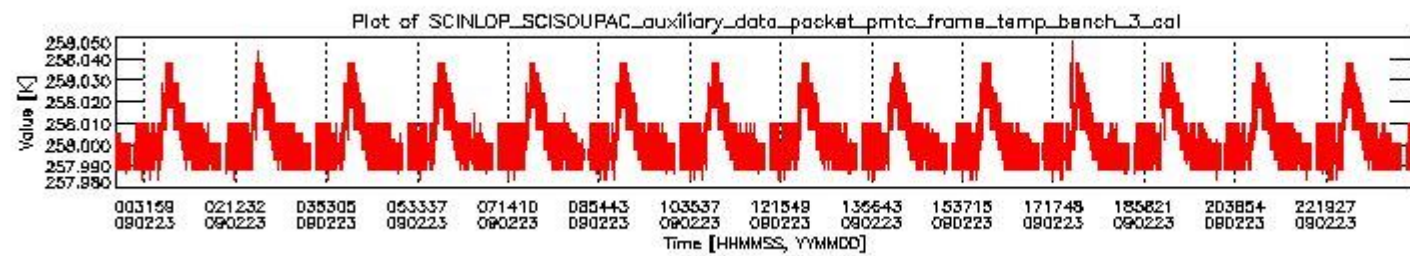
This section shows information about product quality, currently temperatures.



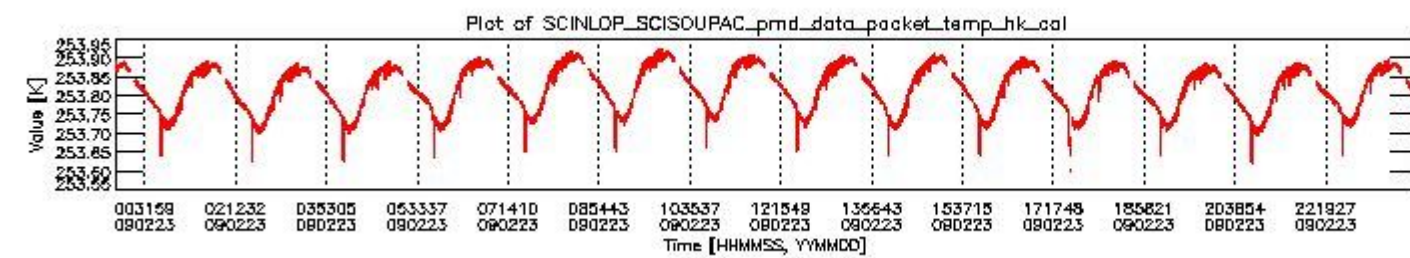
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090223_0.PNG



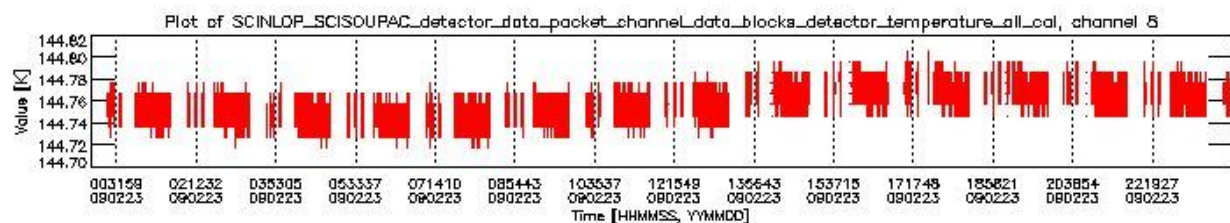
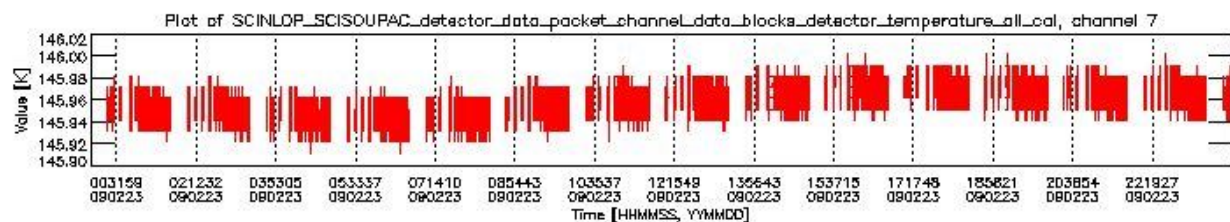
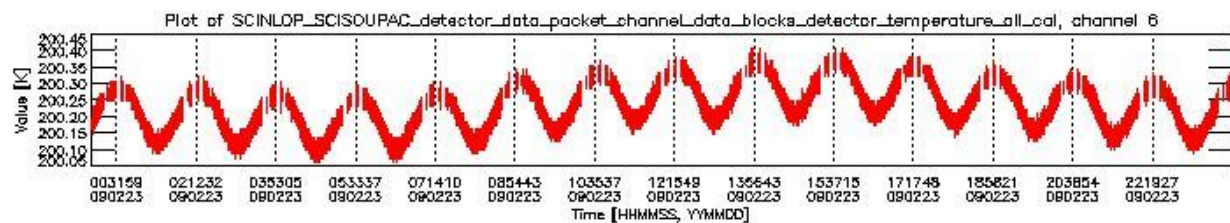
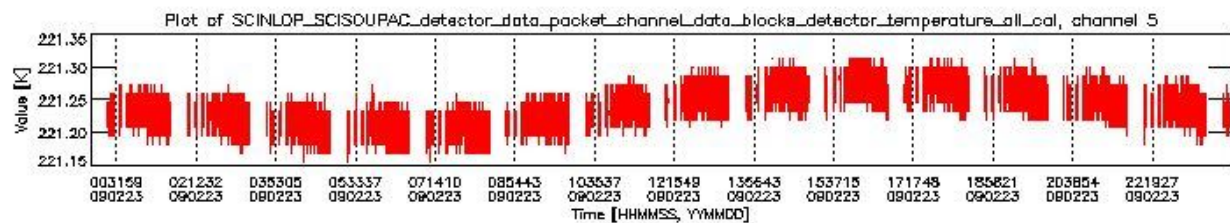
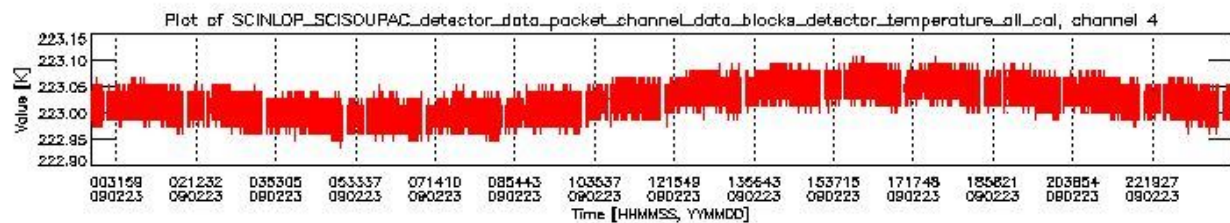
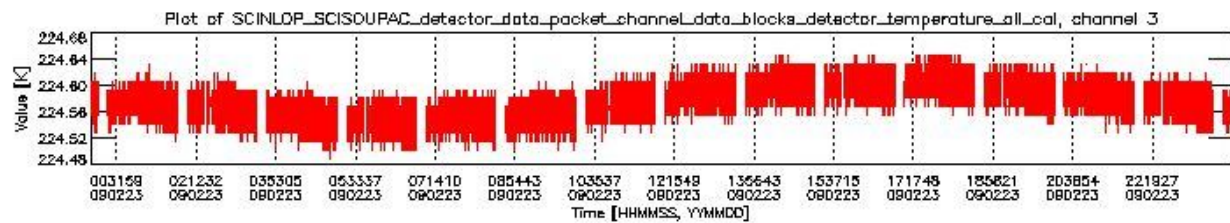
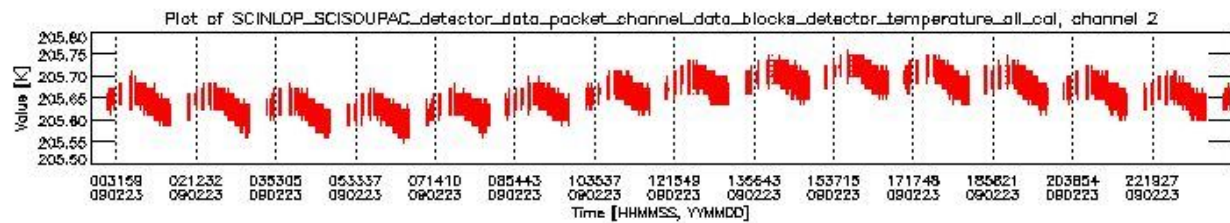
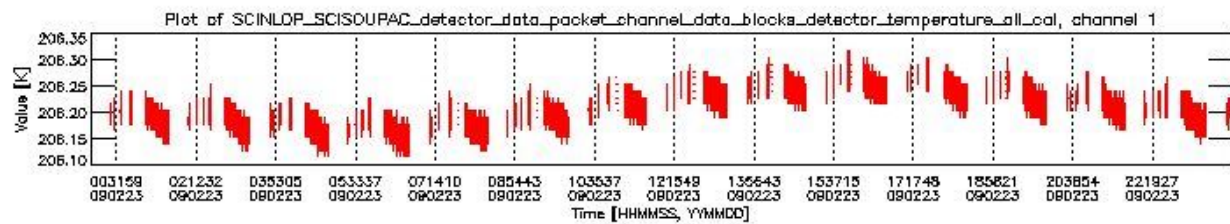
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090223_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090223_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090223_3.PNG

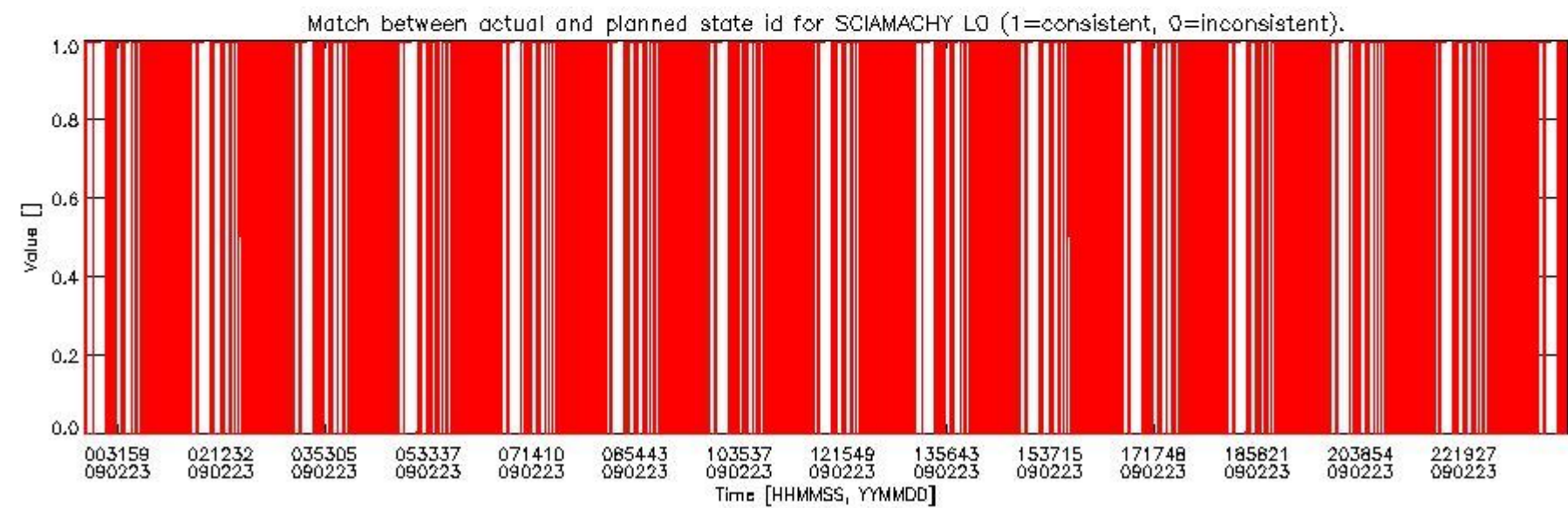
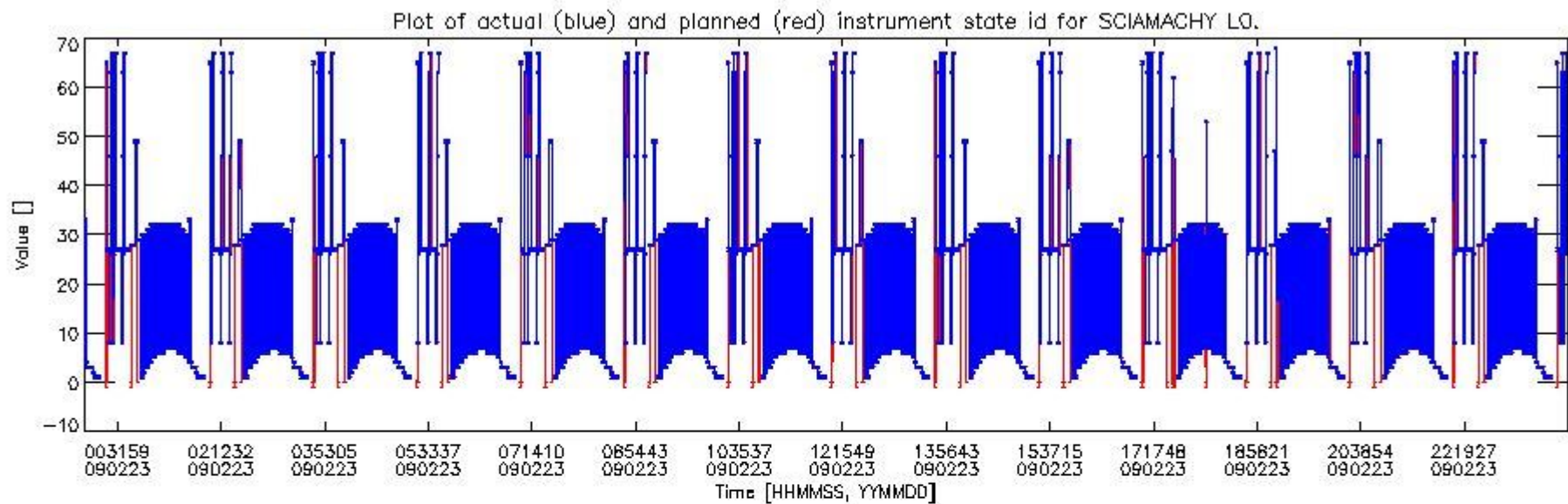


0.3 State monitoring

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: **46640**

#	Actual time	Actual value	Planned time	Planned value
0	23FEB2009 00:00:06.736515	33	23FEB2009 00:00:06.736515	5
1	23FEB2009 00:00:07.736510	33	23FEB2009 00:00:07.736510	5
2	23FEB2009 00:00:08.674023	33	23FEB2009 00:00:08.674023	5
3	23FEB2009 00:00:09.424008	33	23FEB2009 00:00:09.424008	5
4	23FEB2009 00:00:10.361521	33	23FEB2009 00:00:10.361521	5
5	23FEB2009 00:00:11.111507	33	23FEB2009 00:00:11.111507	5
6	23FEB2009 00:00:11.736529	33	23FEB2009 00:00:11.736529	5
7	23FEB2009 00:00:12.049019	33	23FEB2009 00:00:12.049019	5
8	23FEB2009 00:00:12.799005	33	23FEB2009 00:00:12.799005	5
9	23FEB2009 00:00:13.736518	33	23FEB2009 00:00:13.736518	5
10	23FEB2009 00:00:14.486504	33	23FEB2009 00:00:14.486504	5
11	23FEB2009 00:00:15.424016	33	23FEB2009 00:00:15.424016	5
12	23FEB2009 00:00:16.174002	33	23FEB2009 00:00:16.174002	5
13	23FEB2009 00:00:16.736501	33	23FEB2009 00:00:16.736501	5
14	23FEB2009 00:01:02.607627	4	23FEB2009 00:01:02.607627	33
15	23FEB2009 00:01:02.857595	4	23FEB2009 00:01:02.857595	33
16	23FEB2009 00:01:02.982599	4	23FEB2009 00:01:02.982599	33
17	23FEB2009 00:01:03.107604	4	23FEB2009 00:01:03.107604	33
18	23FEB2009 00:01:03.232608	4	23FEB2009 00:01:03.232608	33
19	23FEB2009 00:01:03.357612	4	23FEB2009 00:01:03.357612	33

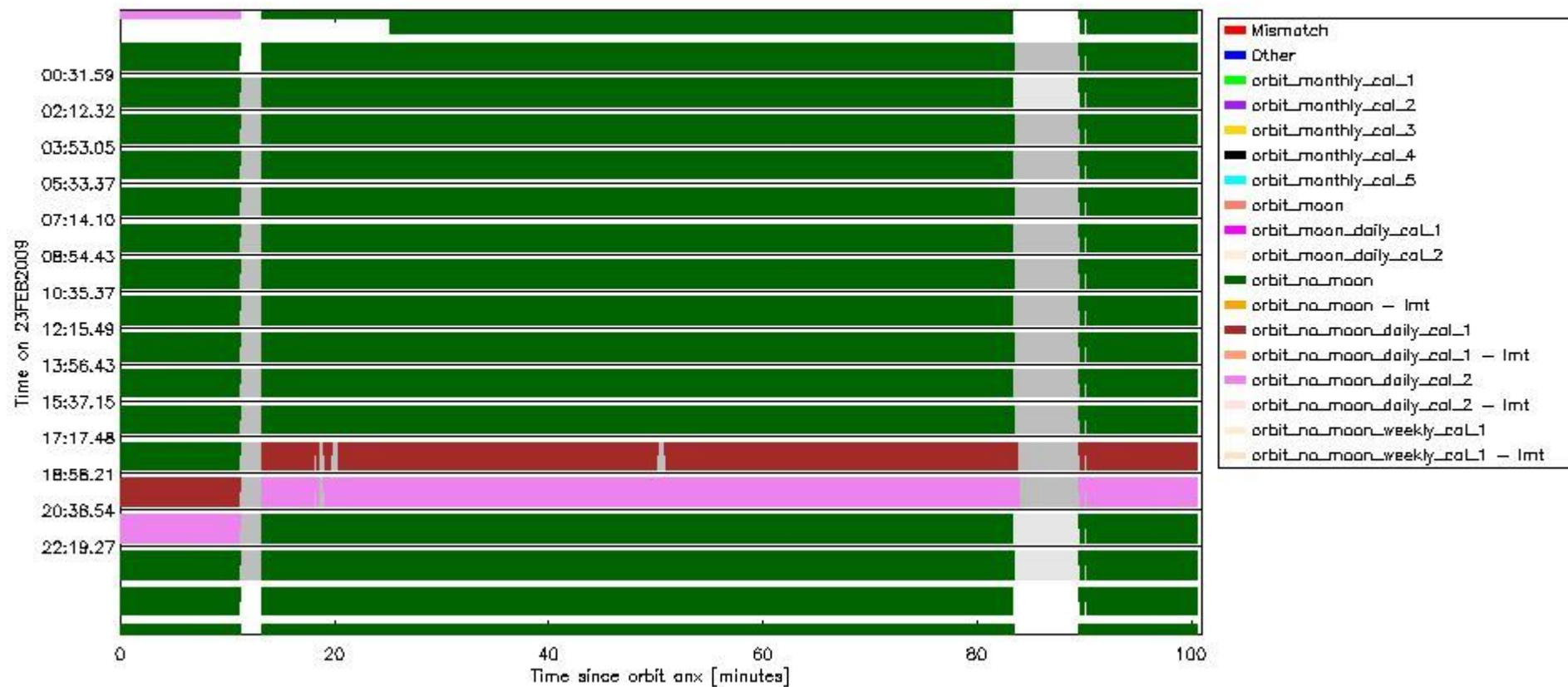


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090223_5.PNG

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 23FEB2009.
 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_20090223_6.PNG

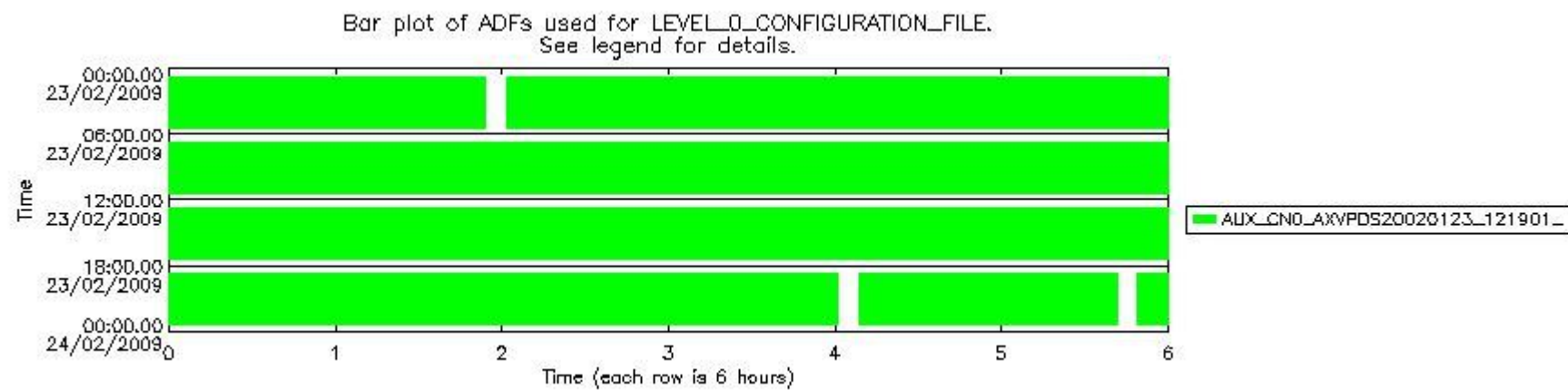
0.4 ADF monitoring

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

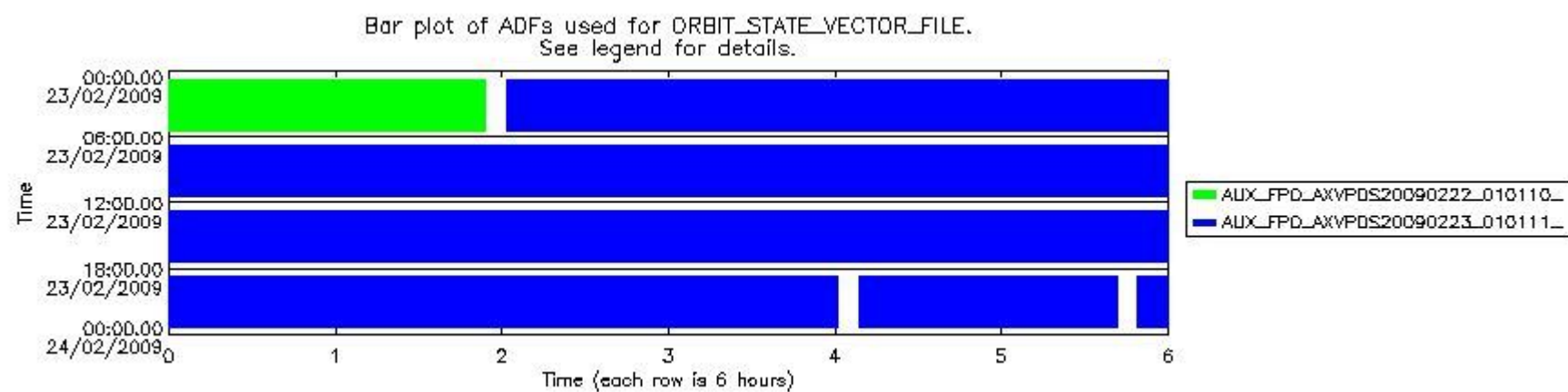
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

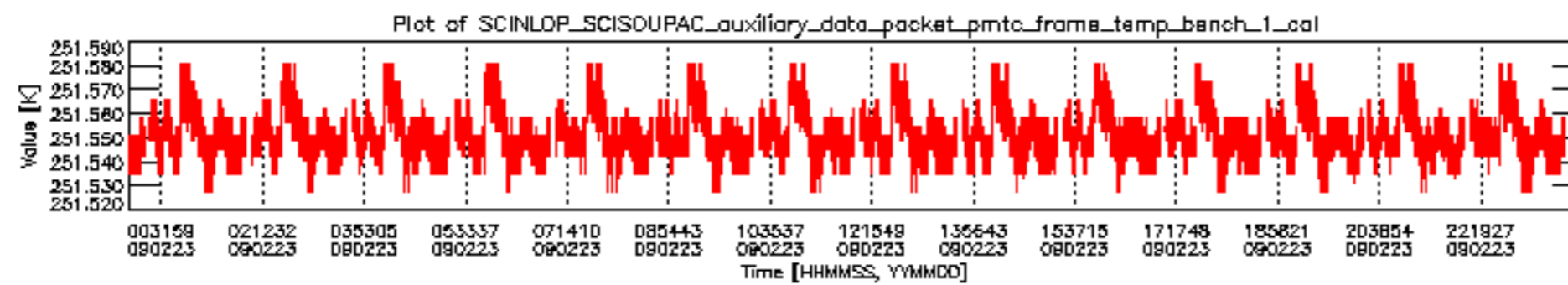
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090222_010110_20090221_182102_20090303_212751
2	AUX_FPO_AXVPDS20090223_010111_20090222_193001_20090304_205614

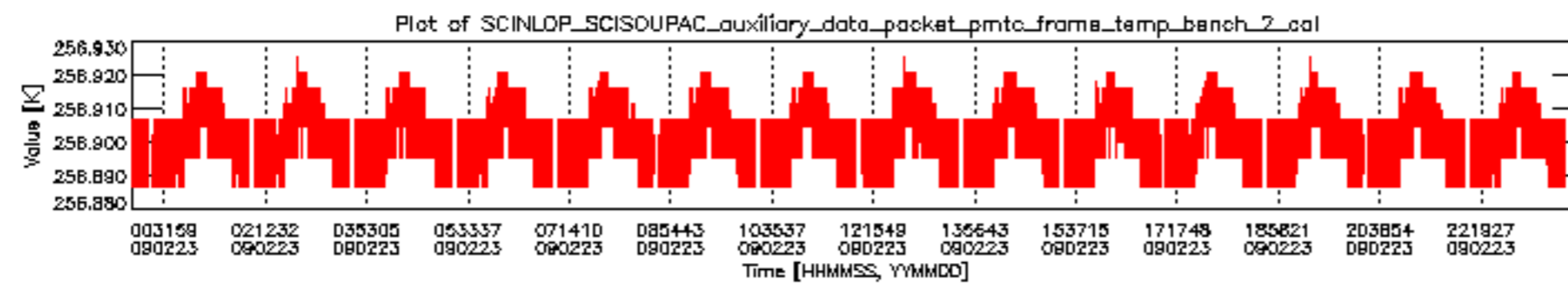


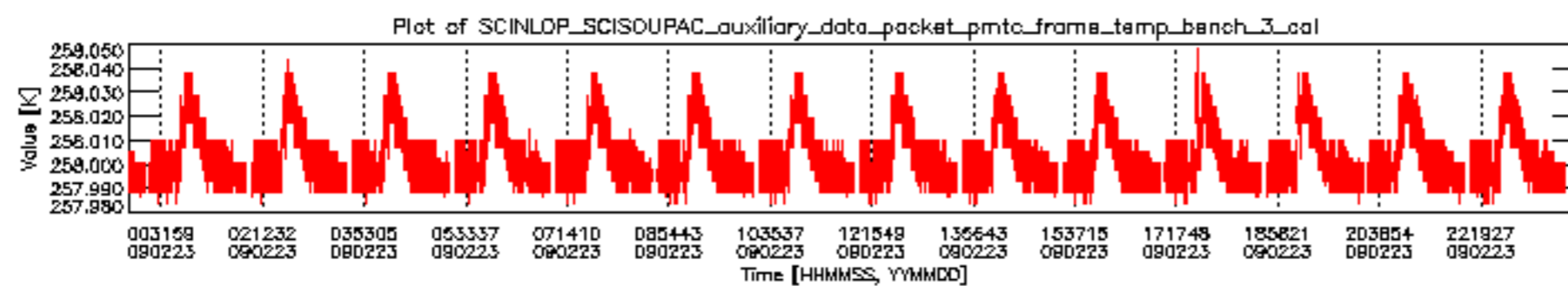
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090223_7.PNG

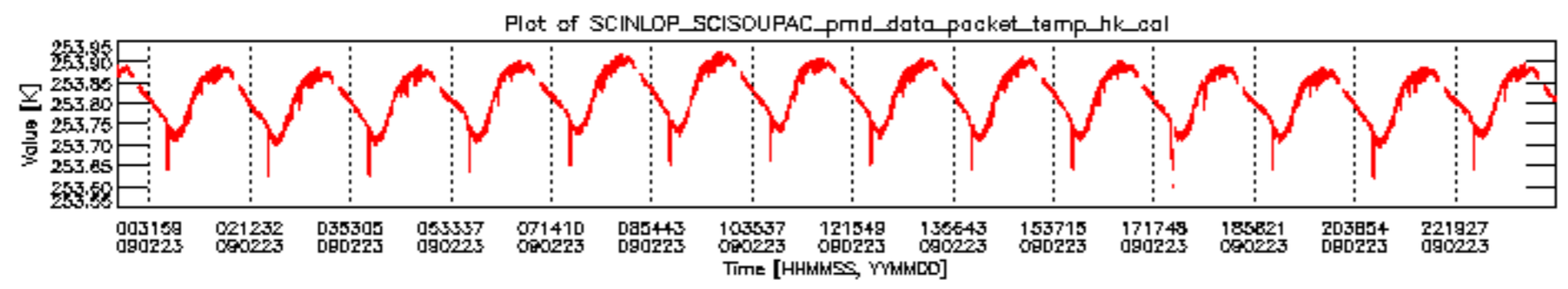


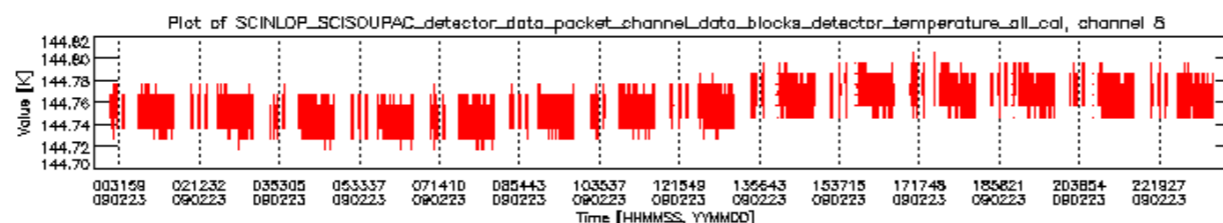
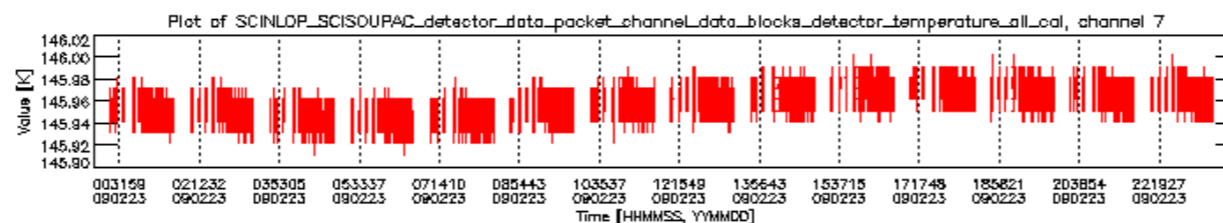
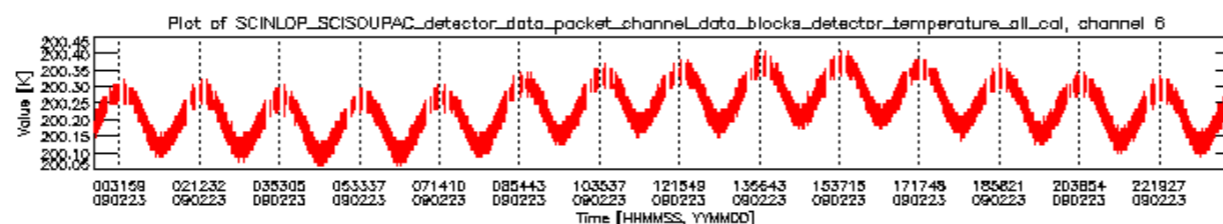
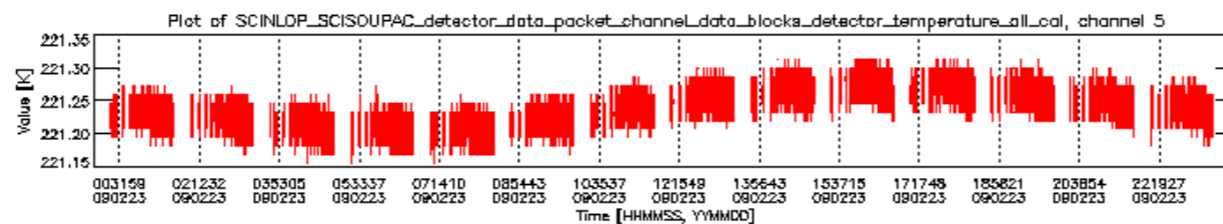
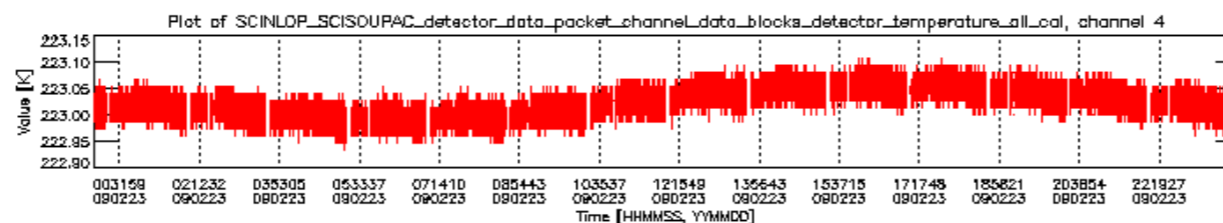
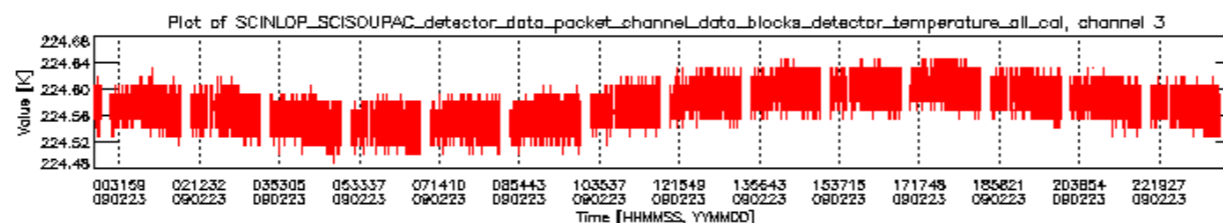
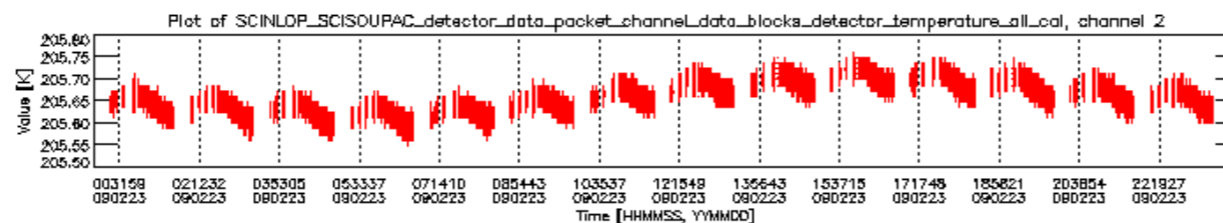
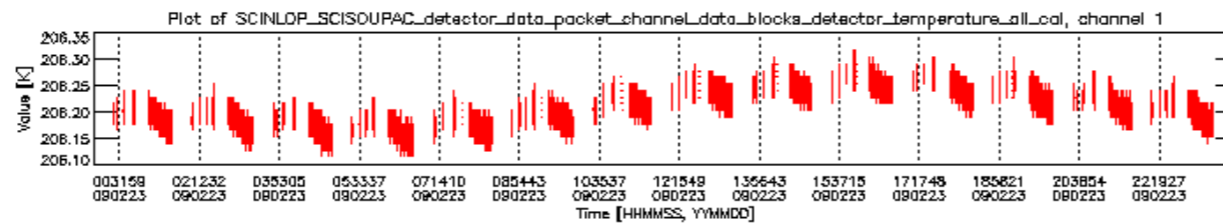
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090223_8.PNG

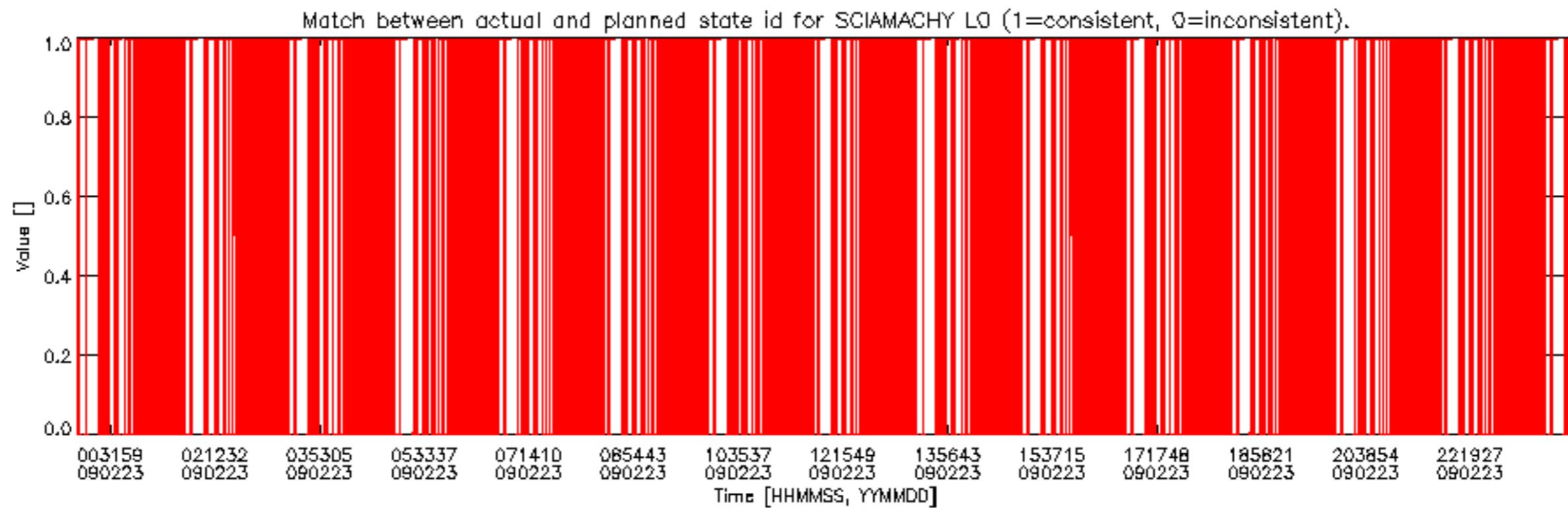
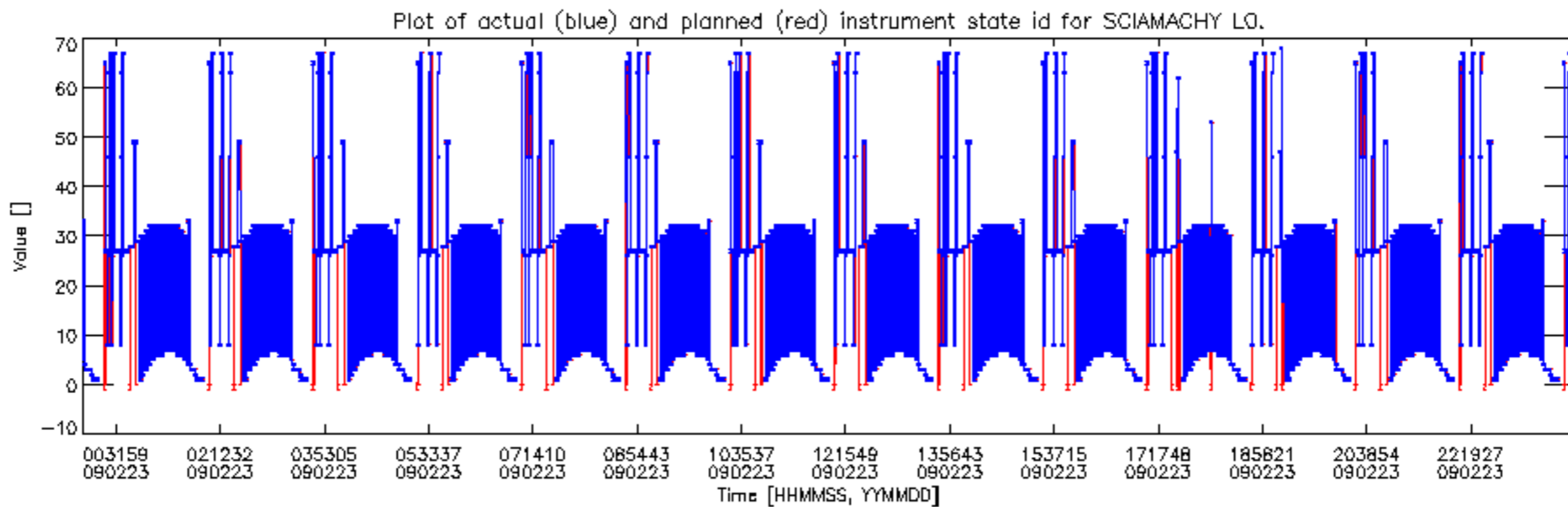




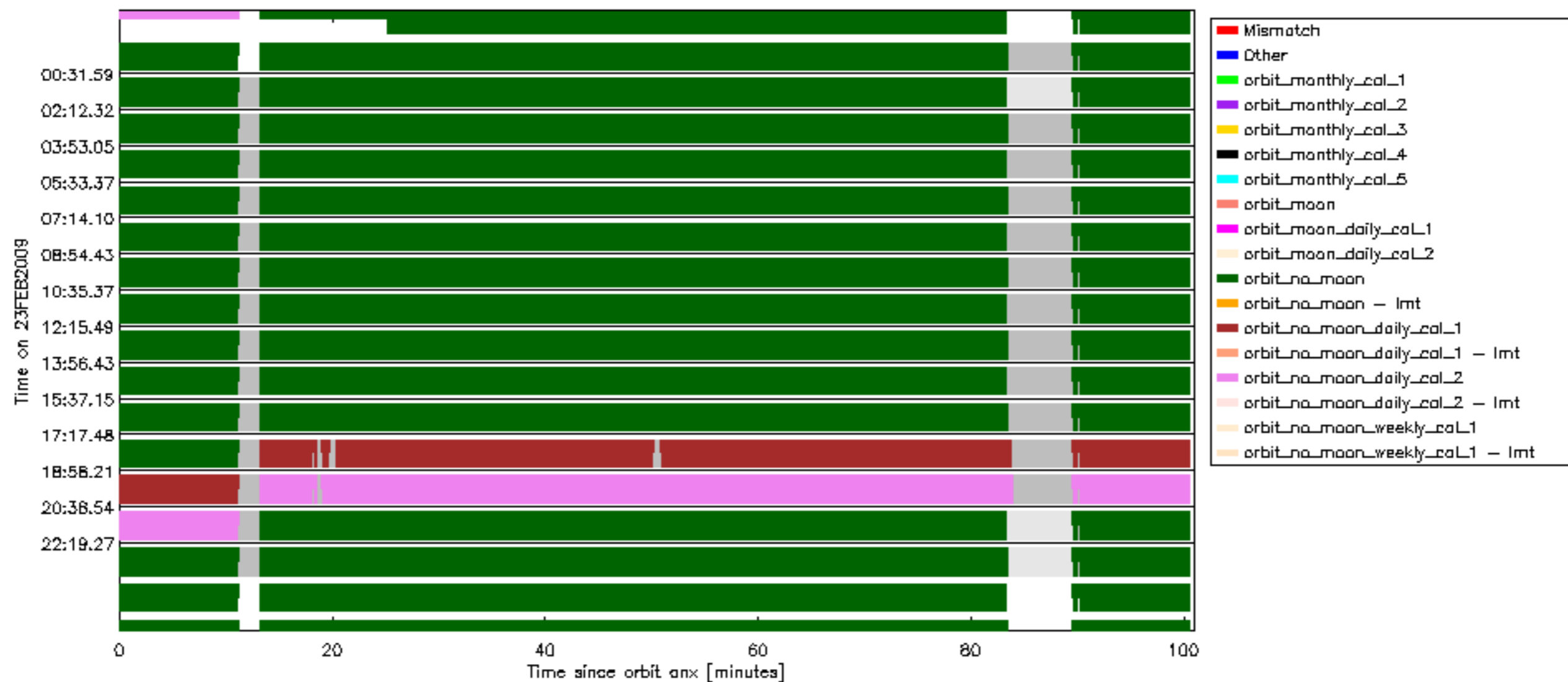


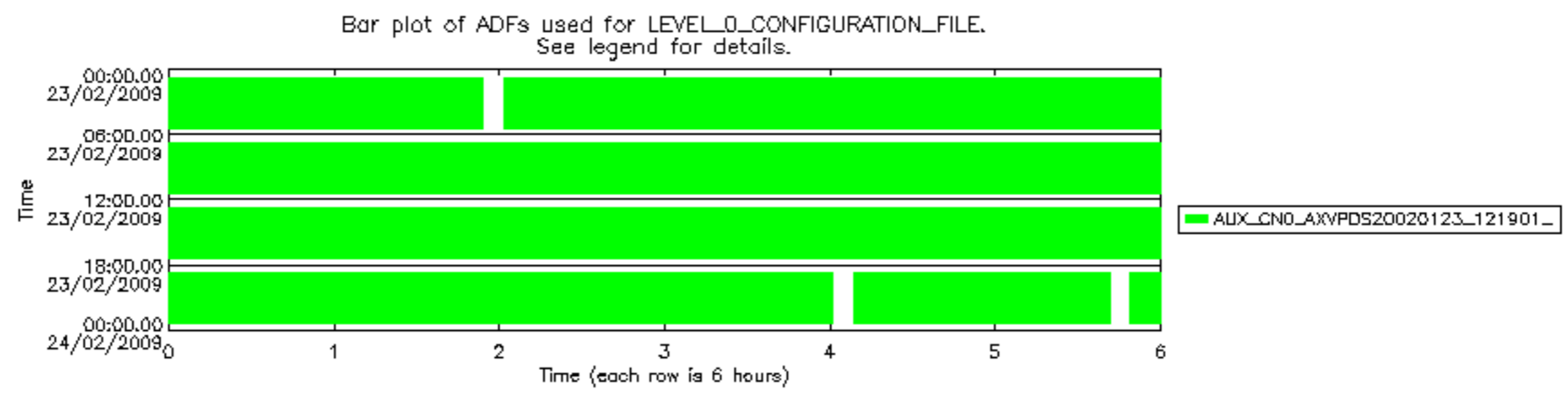






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 23FEB2009.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.





Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

