

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	08FEB2009 05:17:24
Data source version	KSPT_L0/4303-N
Processing scope for products	04FEB2009 00:00:00 to 05FEB2009 00:00:00
Start time of first product within scope	03FEB2009 22:39:35
Stop time of last product within scope	05FEB2009 01:24:35
Total number of level 0 products	17
Number of level 0 products with errors	0

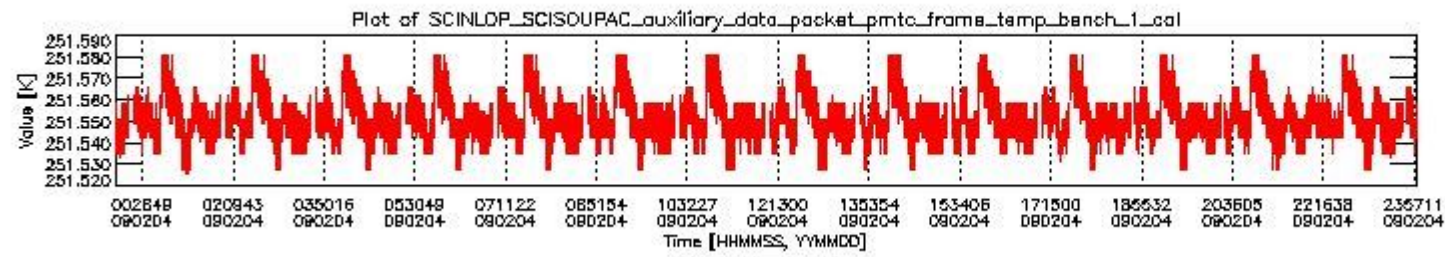
0.1.2 Summary per product

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

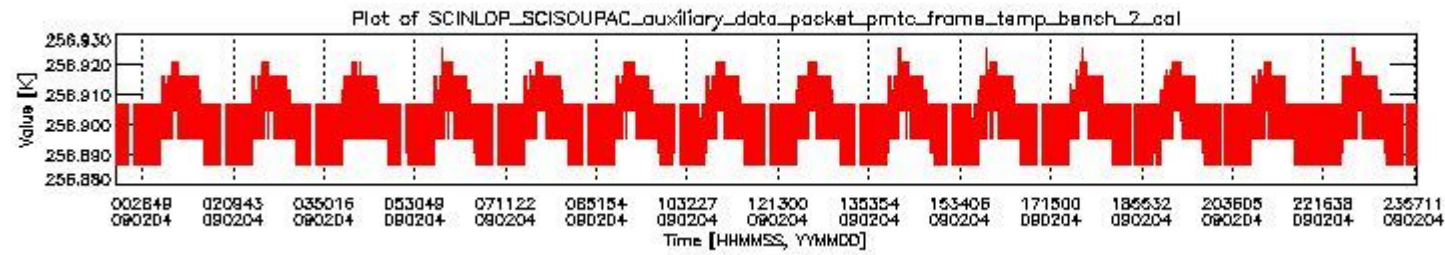
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090203_223935_000055812076_00115_36241_8422.N1	03FEB2009 22:39:35	04FEB2009 00:12:36	0	0	0	0	0
1	SCI_NL__OPNPDE20090204_002010_000055942076_00116_36242_8423.N1	04FEB2009 00:20:10	04FEB2009 01:53:24	0	0	0	0	0
2	SCI_NL__OPNPDE20090204_015324_000044662076_00117_36243_8424.N1	04FEB2009 01:53:24	04FEB2009 03:07:51	0	0	0	0	0
3	SCI_NL__OPNPDE20090204_030751_000061732076_00118_36244_8425.N1	04FEB2009 03:07:51	04FEB2009 04:50:43	0	0	0	0	0
4	SCI_NL__OPNPDE20090204_045043_000060232076_00119_36245_8426.N1	04FEB2009 04:50:43	04FEB2009 06:31:06	0	0	0	0	0
5	SCI_NL__OPNPDK20090204_063106_000041132076_00120_36246_0628.N1	04FEB2009 06:31:06	04FEB2009 07:39:39	0	0	0	0	0
6	SCI_NL__OPNPDK20090204_073844_000060232076_00121_36247_0629.N1	04FEB2009 07:38:44	04FEB2009 09:19:06	0	0	0	0	0
7	SCI_NL__OPNPDK20090204_091810_000061602076_00122_36248_0630.N1	04FEB2009 09:18:10	04FEB2009 11:00:50	0	0	0	0	0
8	SCI_NL__OPNPDK20090204_105846_000059672076_00123_36249_0631.N1	04FEB2009 10:58:46	04FEB2009 12:38:13	0	0	0	0	0
9	SCI_NL__OPNPDK20090204_123717_000061042076_00124_36250_0632.N1	04FEB2009 12:37:17	04FEB2009 14:19:01	0	0	0	0	0
10	SCI_NL__OPNPDK20090204_141752_000057302076_00125_36251_0633.N1	04FEB2009 14:17:52	04FEB2009 15:53:22	0	0	0	0	0
11	SCI_NL__OPNPDK20090204_155322_000060362076_00126_36252_0634.N1	04FEB2009 15:53:22	04FEB2009 17:33:58	0	0	0	0	0
12	SCI_NL__OPNPDK20090204_173205_000060362076_00127_36253_0635.N1	04FEB2009 17:32:05	04FEB2009 19:12:41	0	0	0	0	0
13	SCI_NL__OPNPDK20090204_191145_000060362076_00128_36254_0636.N1	04FEB2009 19:11:45	04FEB2009 20:52:20	0	0	0	0	0
14	SCI_NL__OPNPDE20090204_205125_000043232076_00129_36255_8427.N1	04FEB2009 20:51:25	04FEB2009 22:03:27	0	0	0	0	0
15	SCI_NL__OPNPDE20090204_220219_000061022076_00129_36255_8428.N1	04FEB2009 22:02:19	04FEB2009 23:44:01	0	0	0	0	0
16	SCI_NL__OPNPDE20090204_234401_000060342076_00130_36256_8429.N1	04FEB2009 23:44:01	05FEB2009 01:24:35	0	0	0	0	0

0.2 Product Quality Indicators

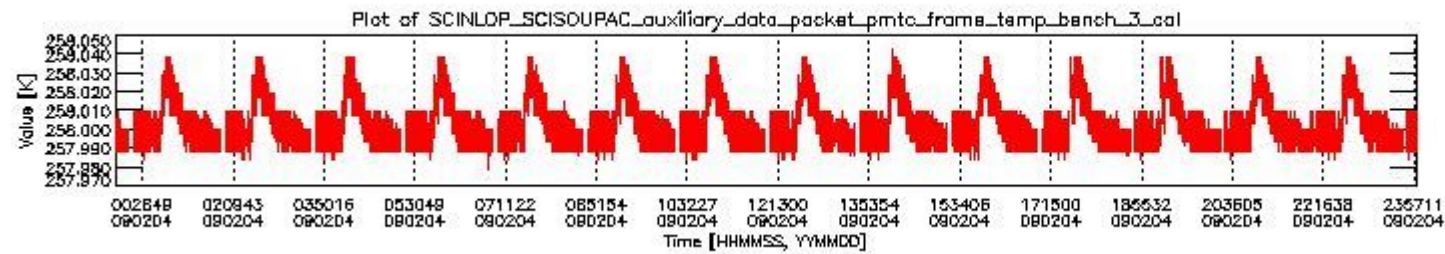
This section shows information about product quality, currently temperatures.



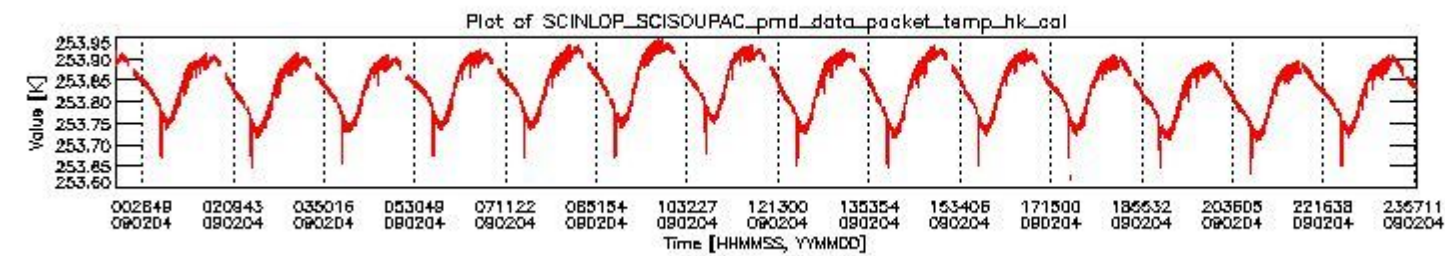
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090204_0.PNG



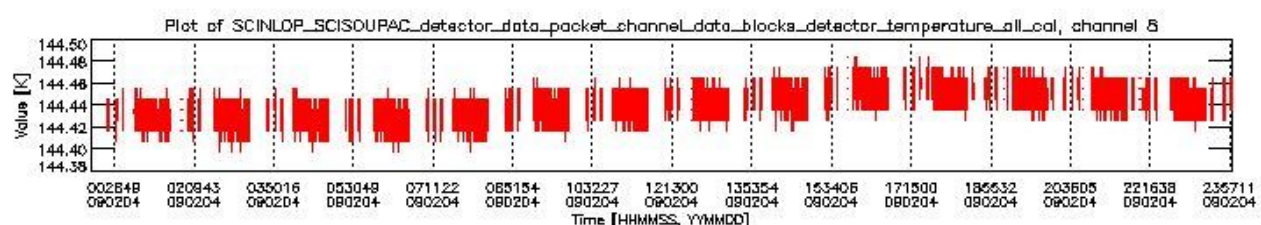
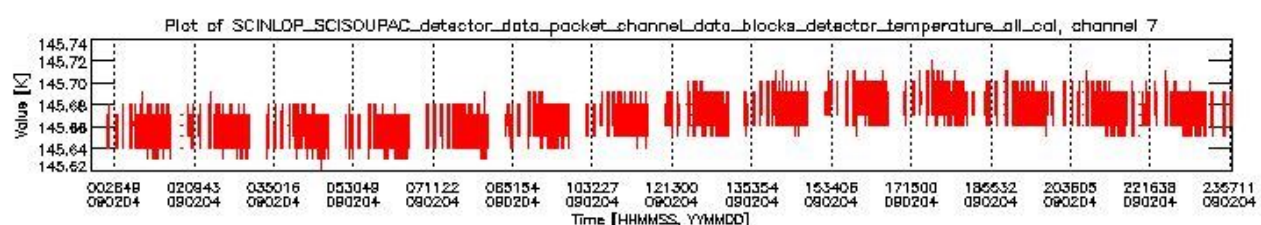
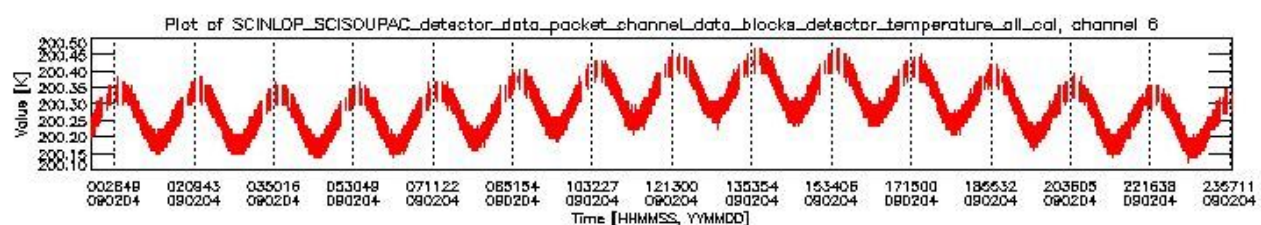
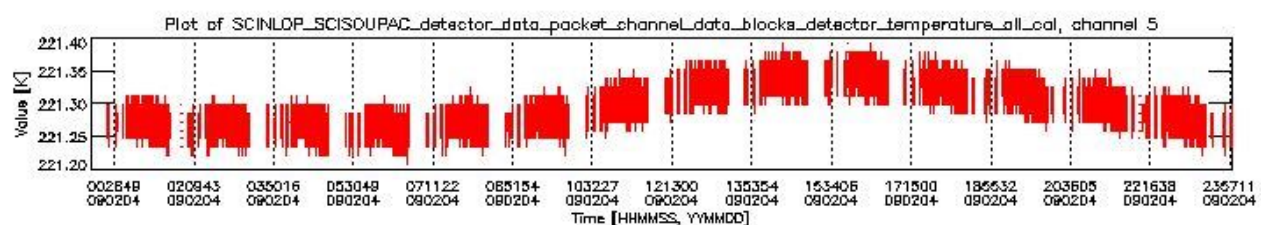
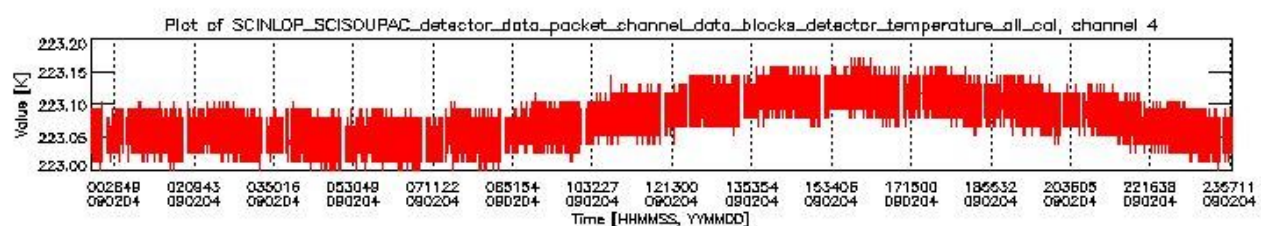
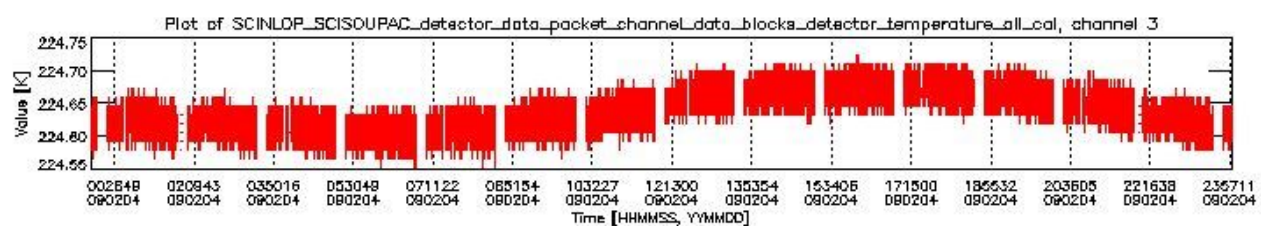
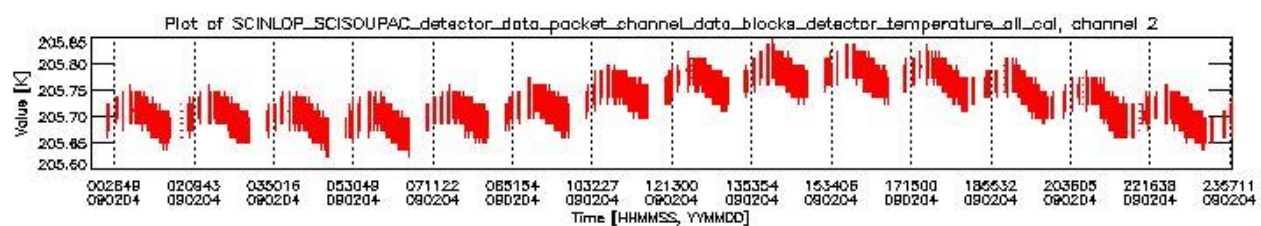
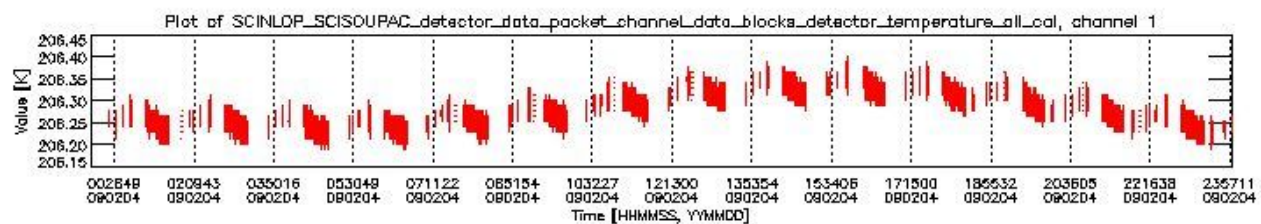
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090204_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090204_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090204_3.PNG

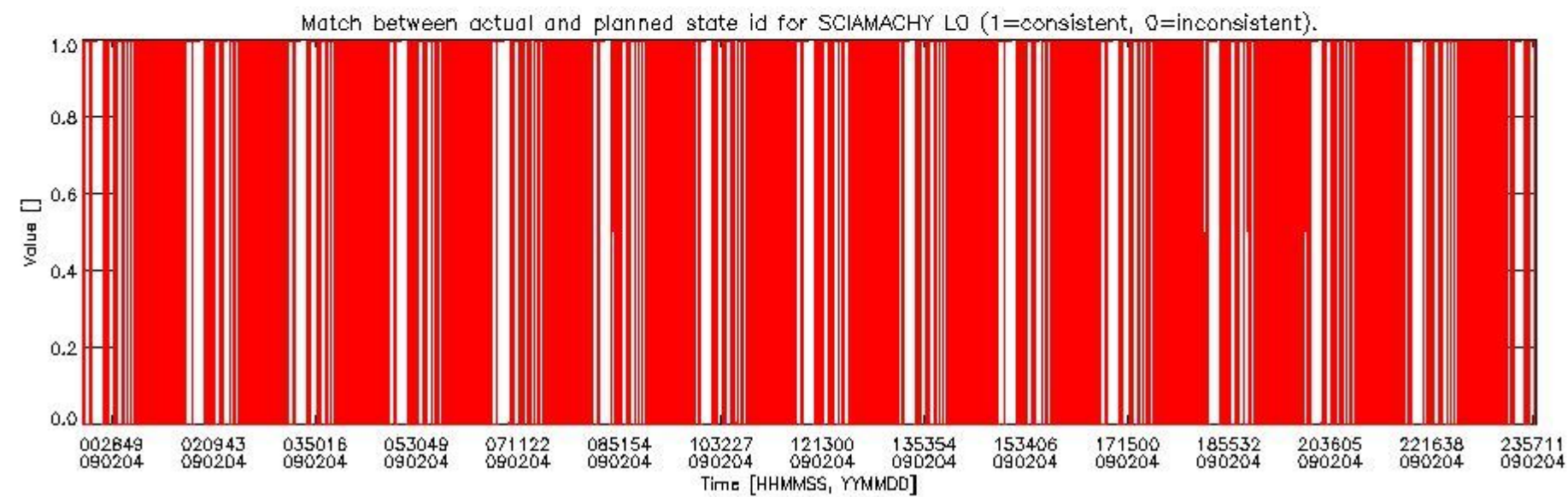
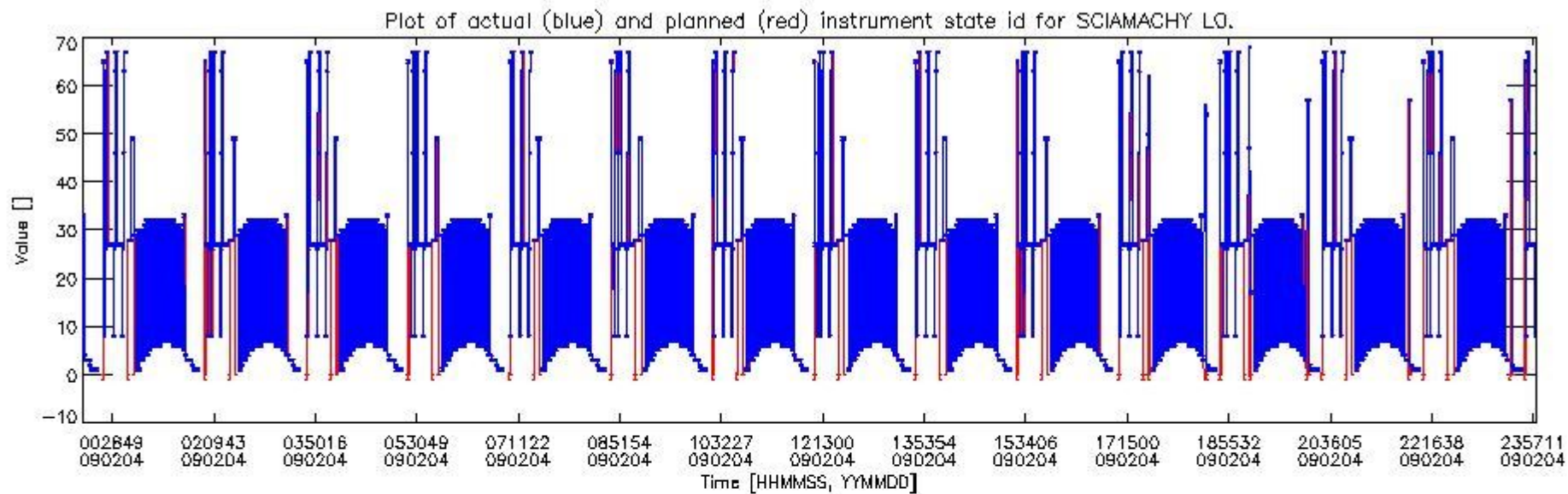


0.3 State monitoring

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: **55464**

#	Actual time	Actual value	Planned time	Planned value
0	04FEB2009 00:00:15.394686	33	04FEB2009 00:00:15.394686	4
1	04FEB2009 00:00:16.394681	33	04FEB2009 00:00:16.394681	4
2	04FEB2009 00:00:17.332153	33	04FEB2009 00:00:17.332153	4
3	04FEB2009 00:00:18.082179	33	04FEB2009 00:00:18.082179	4
4	04FEB2009 00:00:19.019692	33	04FEB2009 00:00:19.019692	4
5	04FEB2009 00:00:19.769678	33	04FEB2009 00:00:19.769678	4
6	04FEB2009 00:00:20.394659	33	04FEB2009 00:00:20.394659	4
7	04FEB2009 00:00:20.707190	33	04FEB2009 00:00:20.707190	4
8	04FEB2009 00:00:21.457176	33	04FEB2009 00:00:21.457176	4
9	04FEB2009 00:00:22.394688	33	04FEB2009 00:00:22.394688	4
10	04FEB2009 00:00:23.144674	33	04FEB2009 00:00:23.144674	4
11	04FEB2009 00:00:24.082187	33	04FEB2009 00:00:24.082187	4
12	04FEB2009 00:00:24.832173	33	04FEB2009 00:00:24.832173	4
13	04FEB2009 00:00:25.394672	33	04FEB2009 00:00:25.394672	4
14	04FEB2009 00:00:25.769685	33	04FEB2009 00:00:25.769685	4
15	04FEB2009 00:00:26.519671	33	04FEB2009 00:00:26.519671	4
16	04FEB2009 00:00:27.457184	33	04FEB2009 00:00:27.457184	4
17	04FEB2009 00:01:11.261854	4	04FEB2009 00:01:11.261854	33
18	04FEB2009 00:01:11.511863	4	04FEB2009 00:01:11.511863	33
19	04FEB2009 00:01:11.636868	4	04FEB2009 00:01:11.636868	33

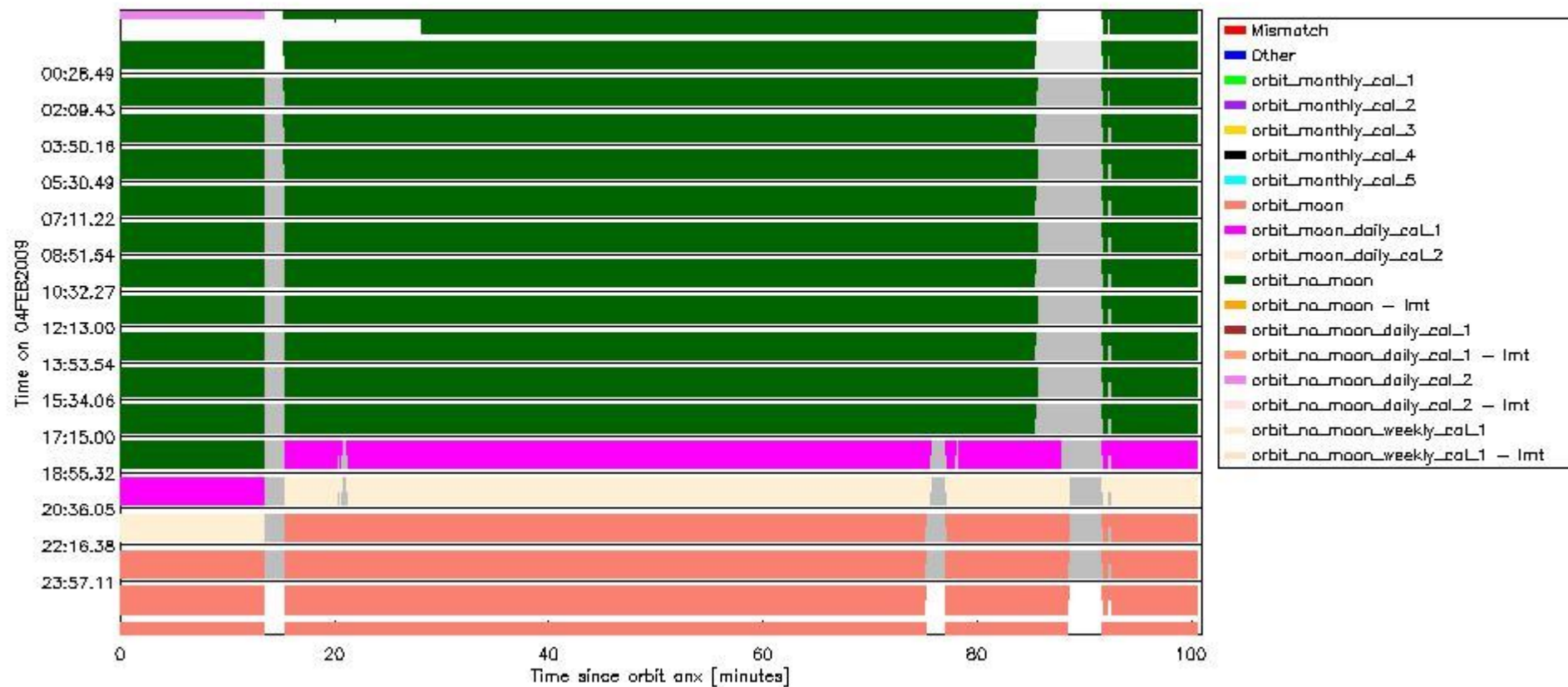


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090204_5.PNG

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 04FEB2009.
 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_20090204_6.PNG

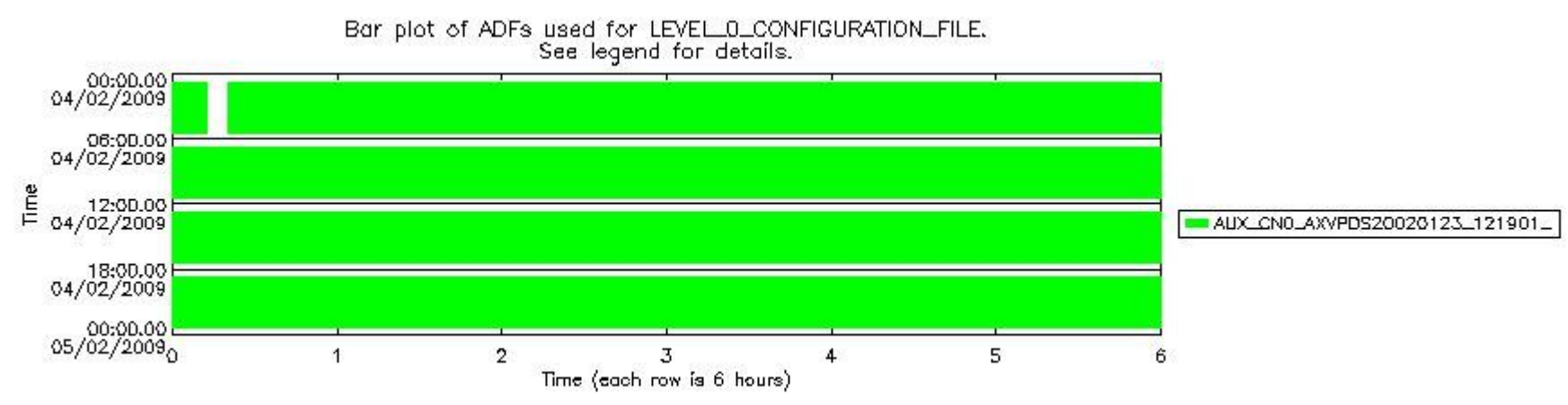
0.4 ADF monitoring

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

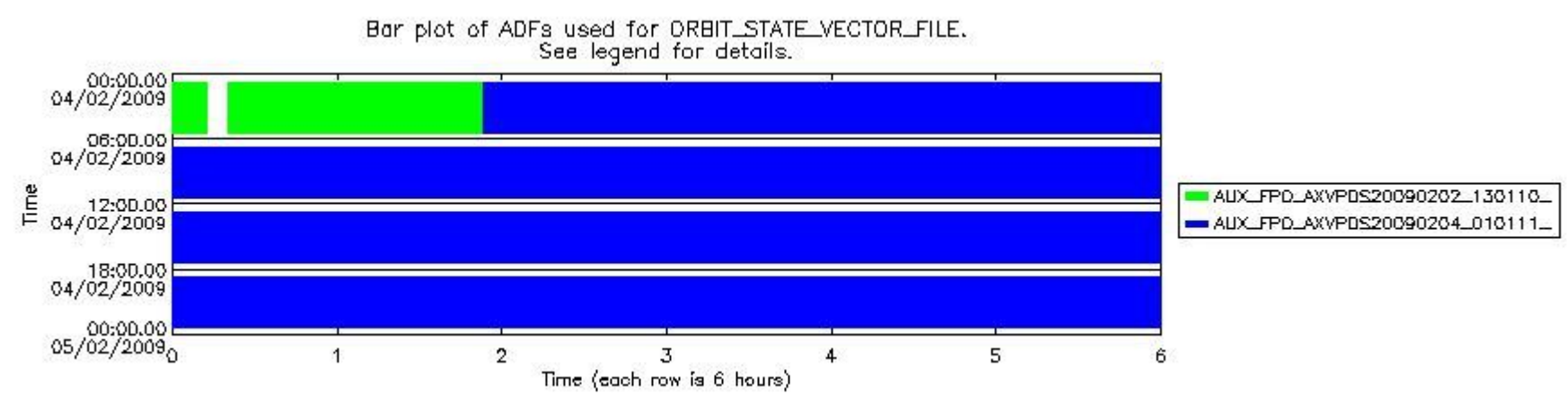
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

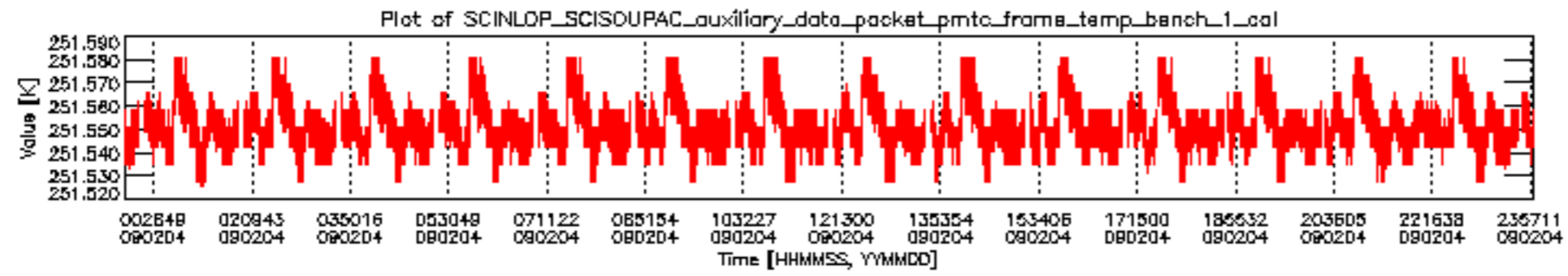
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090202_130110_20090201_184944_20090211_201559
2	AUX_FPO_AXVPDS20090204_010111_20090202_195843_20090212_212458

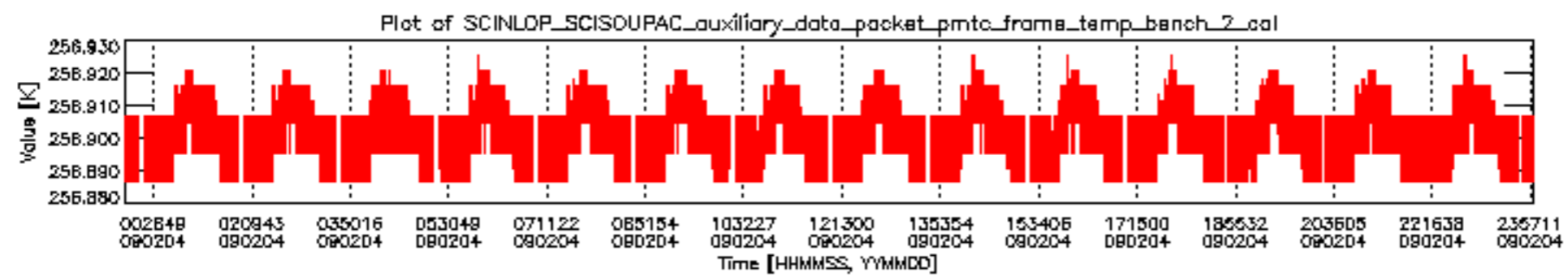


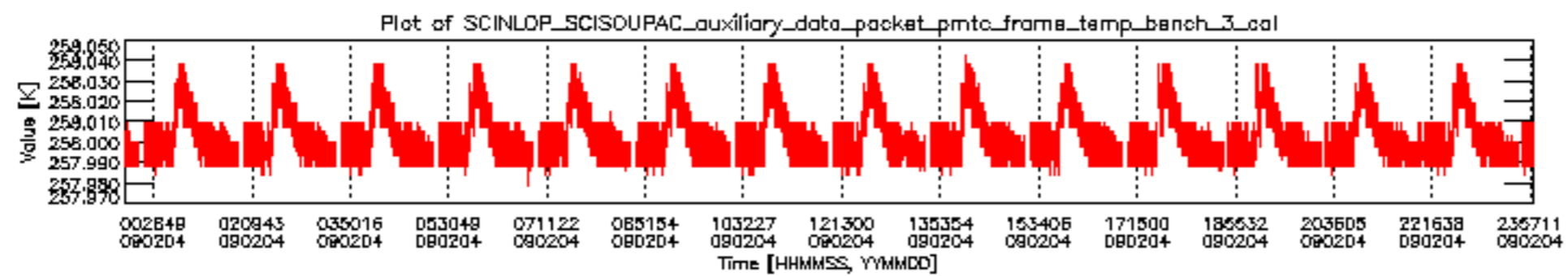
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090204_7.PNG

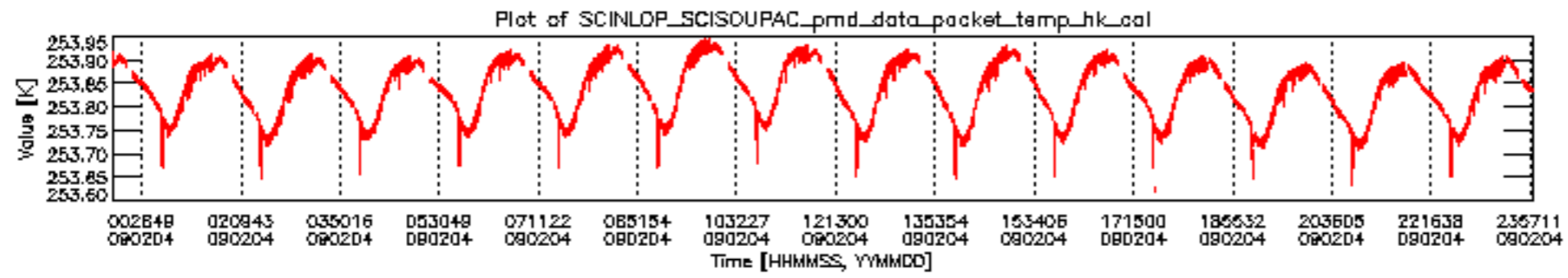


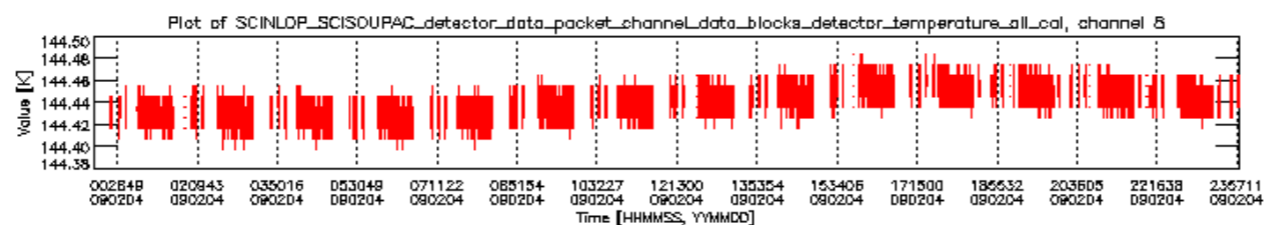
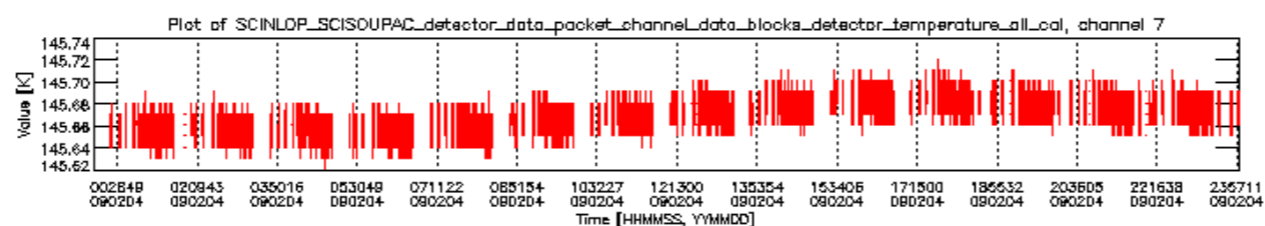
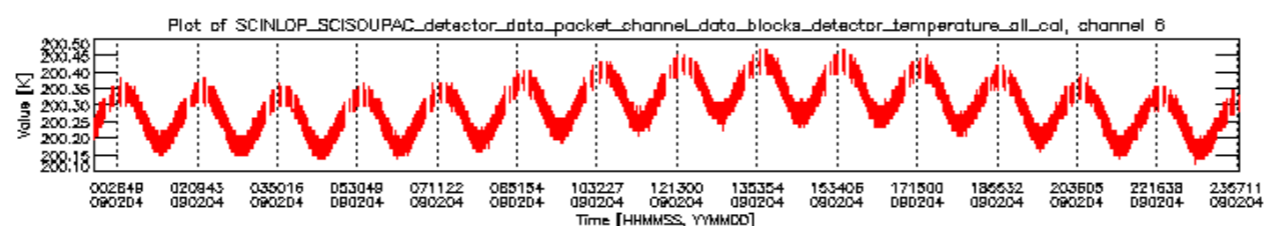
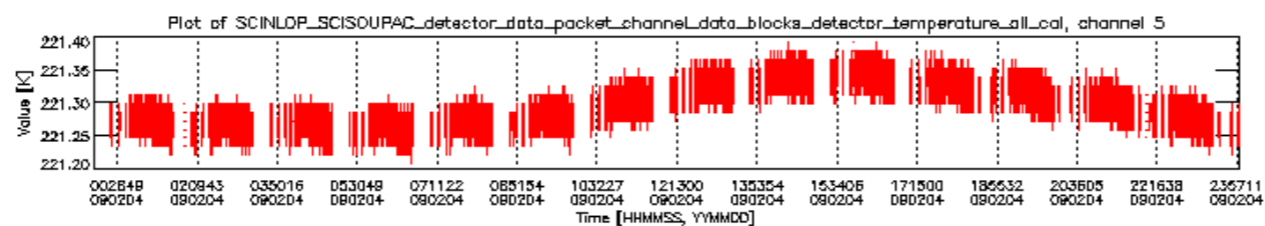
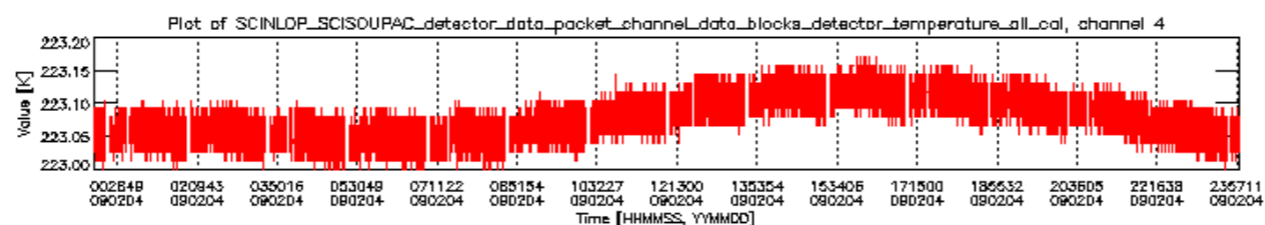
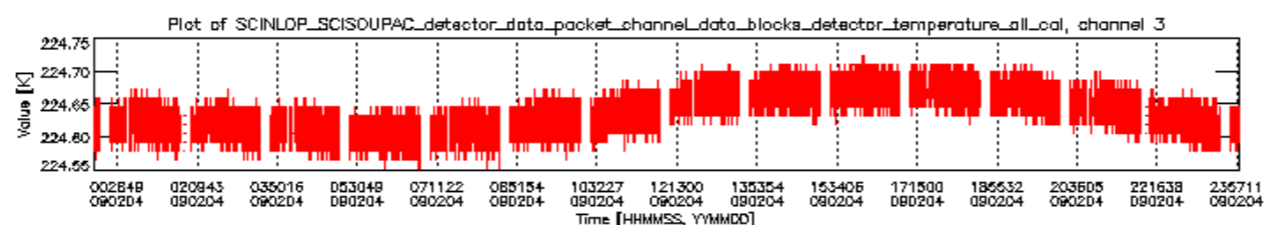
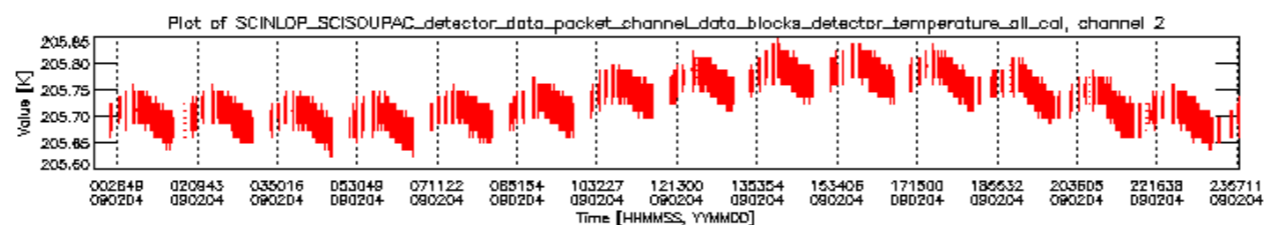
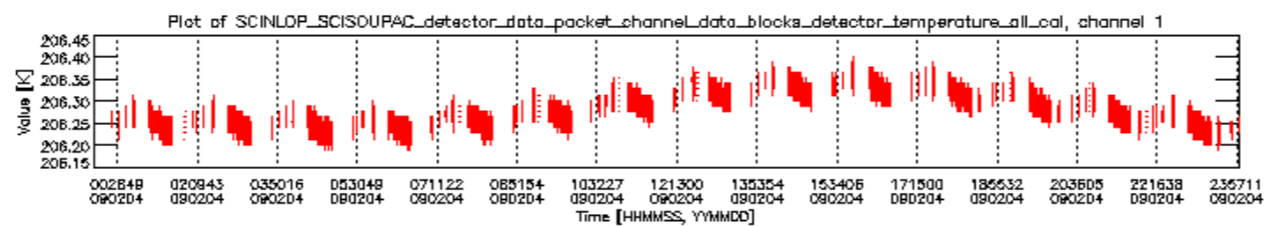
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090204_8.PNG

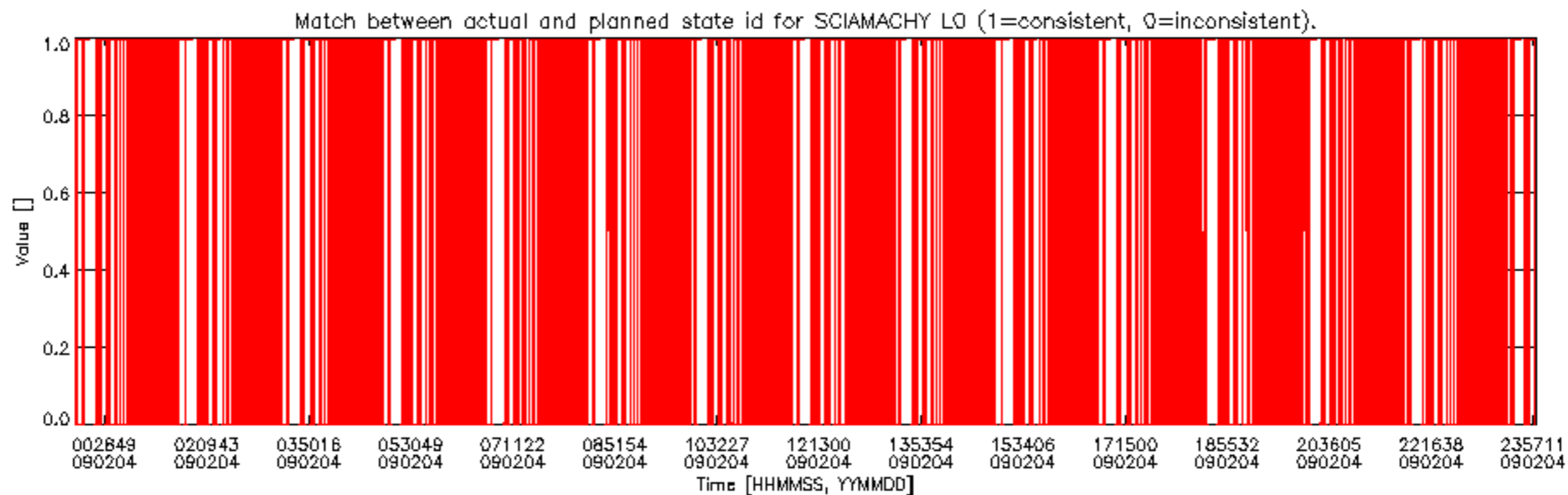
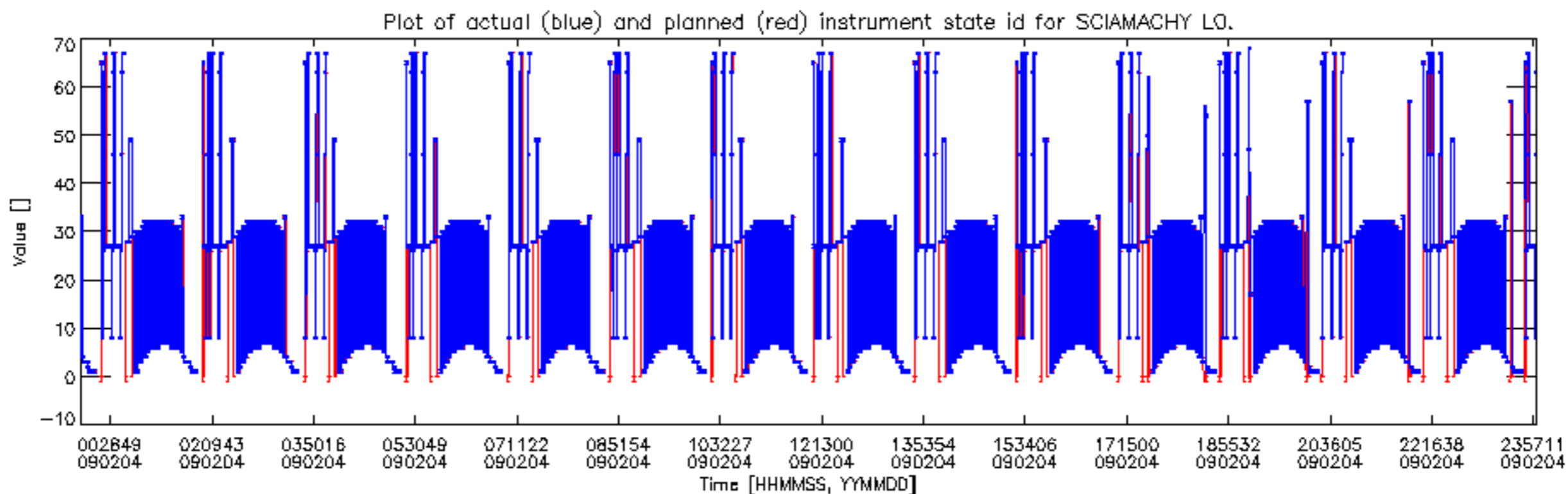




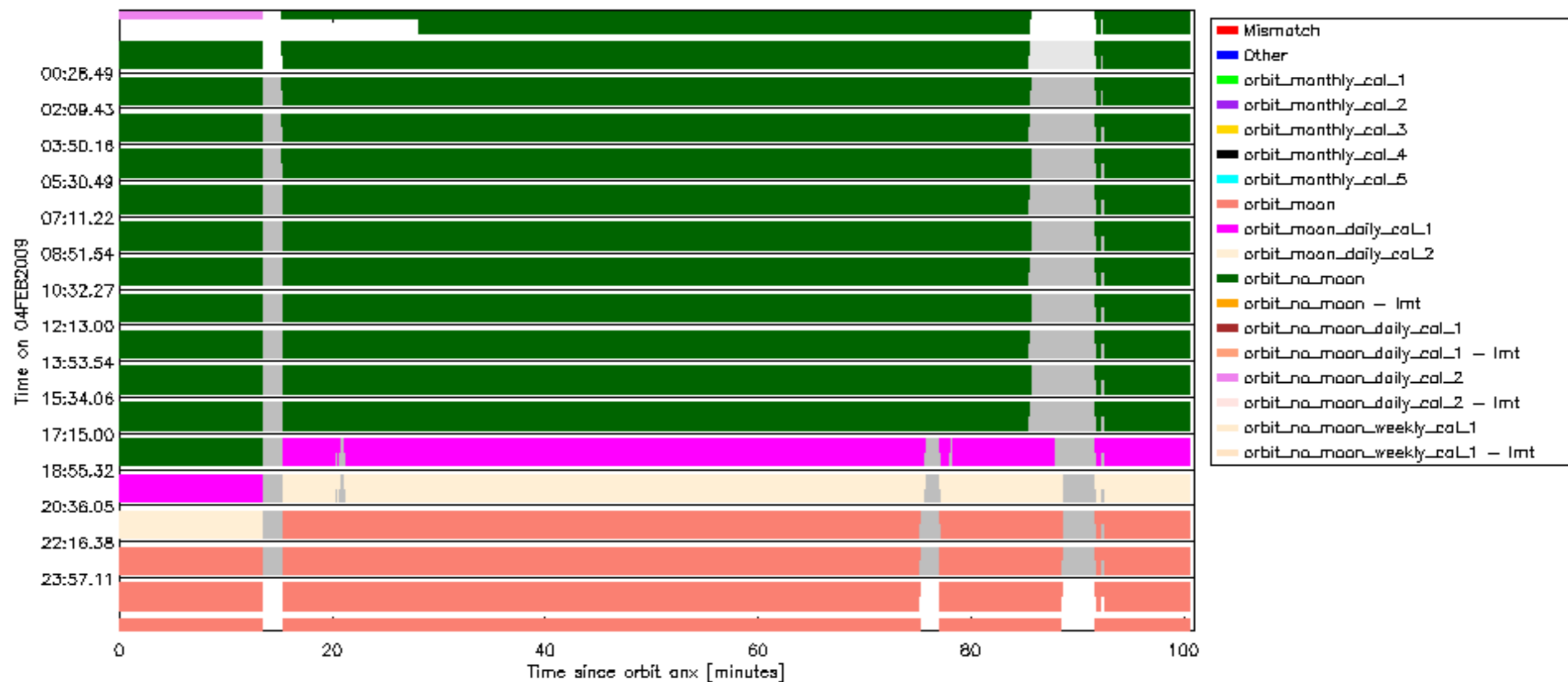


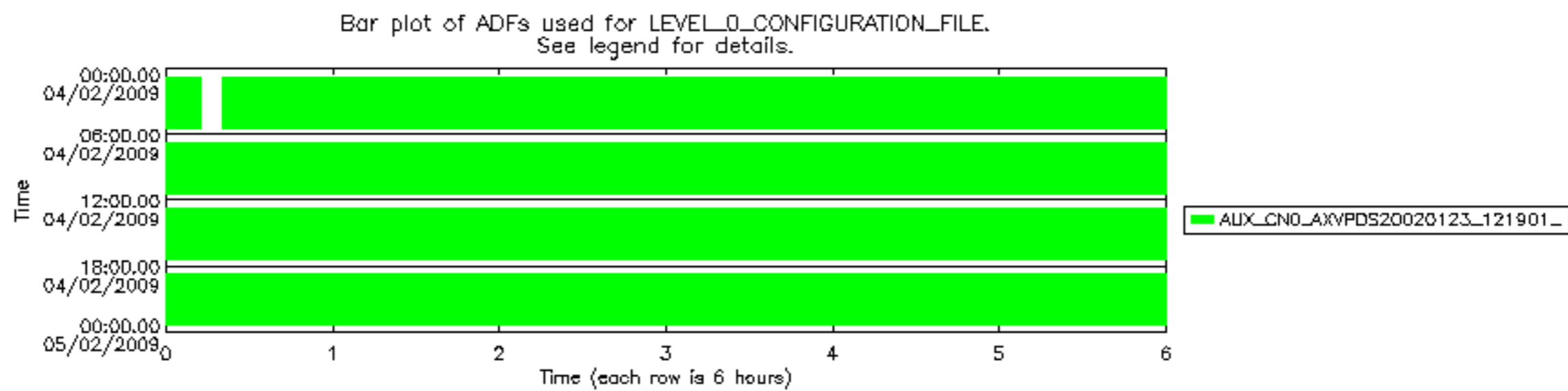






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
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

