

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	31JAN2009 05:49:19
Data source version	KSPT_L0/4303-N
Processing scope for products	27JAN2009 00:00:00 to 28JAN2009 00:00:00
Start time of first product within scope	27JAN2009 12:56:45
Stop time of last product within scope	28JAN2009 00:33:24
Total number of level 0 products	8
Number of level 0 products with errors	1

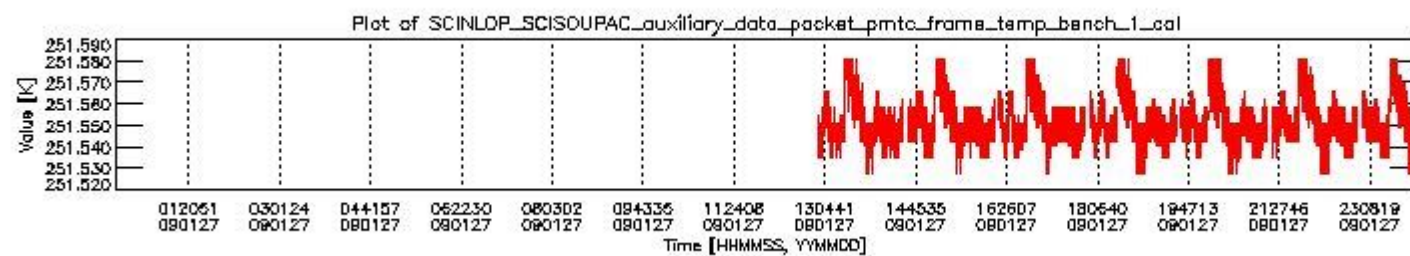
0.1.2 Summary per product

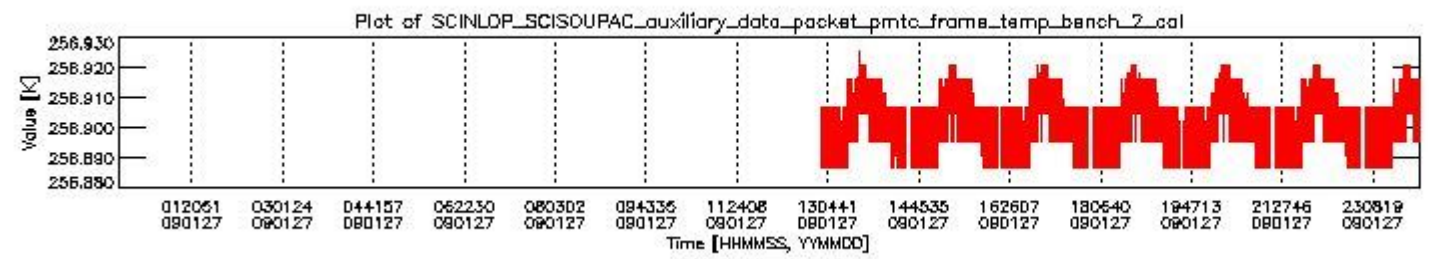
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20090127_125645_000019832076_00009_36135_0562.N1	27JAN2009 12:56:45	27JAN2009 13:29:48	0	0	0	0	0
1	SCI_NL__0PNPDK20090127_132756_000058422076_00010_36136_0563.N1	27JAN2009 13:27:56	27JAN2009 15:05:18	0	0	0	0	0
2	SCI_NL__0PNPDK20090127_150518_000060362076_00011_36137_0564.N1	27JAN2009 15:05:18	27JAN2009 16:45:53	0	0	0	0	0
3	SCI_NL__0PNPDK20090127_164553_000059232076_00012_36138_0565.N1	27JAN2009 16:45:53	27JAN2009 18:24:36	1	1	0	0	0
4	SCI_NL__0PNPDK20090127_182340_000058112076_00013_36139_0566.N1	27JAN2009 18:23:40	27JAN2009 20:00:31	0	0	0	0	0
5	SCI_NL__0PNPDE20090127_200031_000043312076_00014_36140_8374.N1	27JAN2009 20:00:31	27JAN2009 21:12:42	0	0	0	0	0
6	SCI_NL__0PNPDE20090127_211242_000060192076_00014_36140_8375.N1	27JAN2009 21:12:42	27JAN2009 22:53:01	0	0	0	0	0
7	SCI_NL__0PNPDE20090127_230018_000055862076_00015_36141_8376.N1	27JAN2009 23:00:18	28JAN2009 00:33:24	0	0	0	0	0

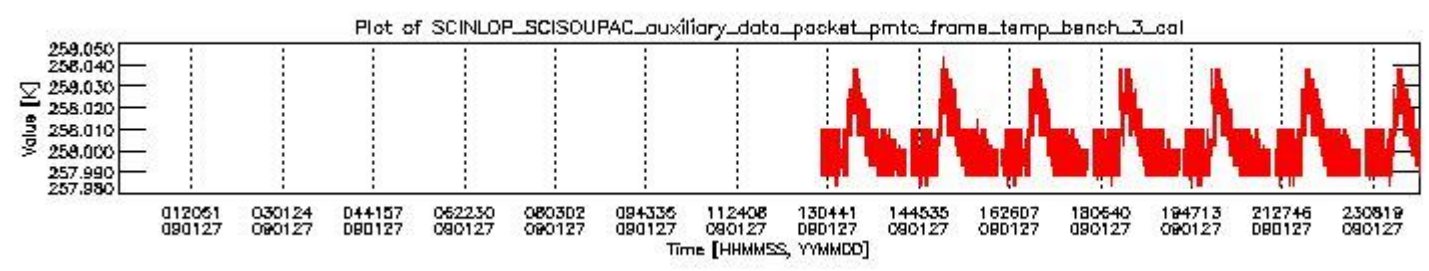
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

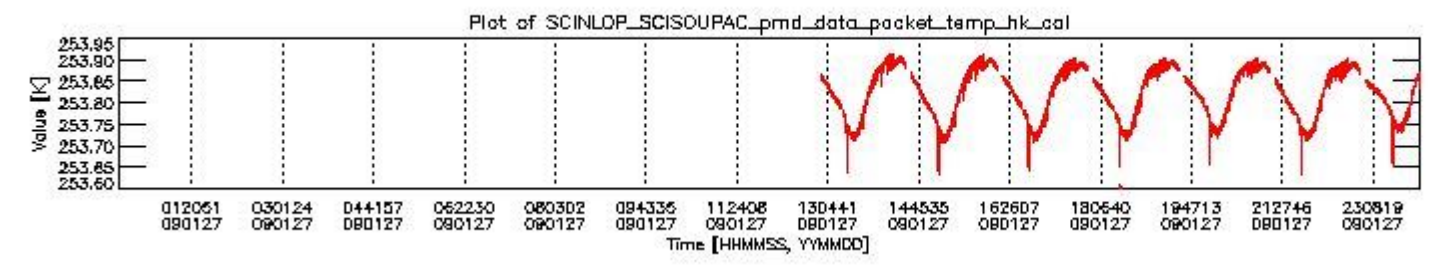




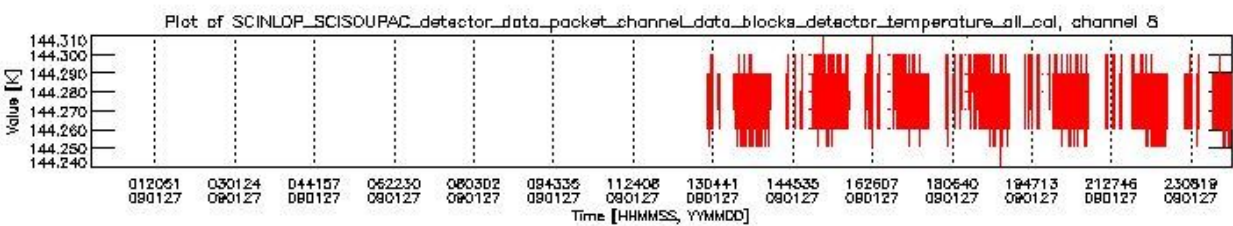
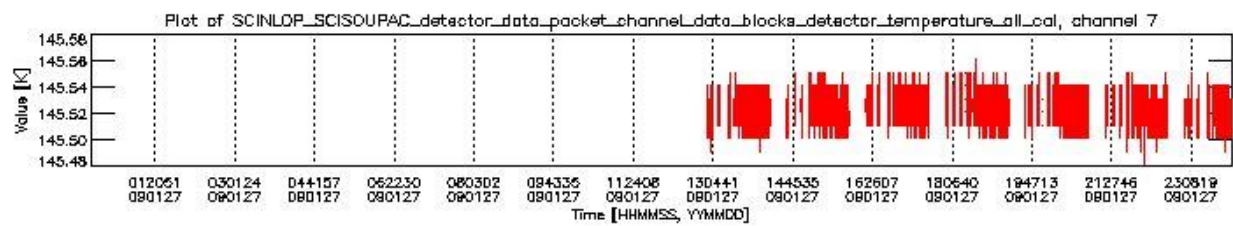
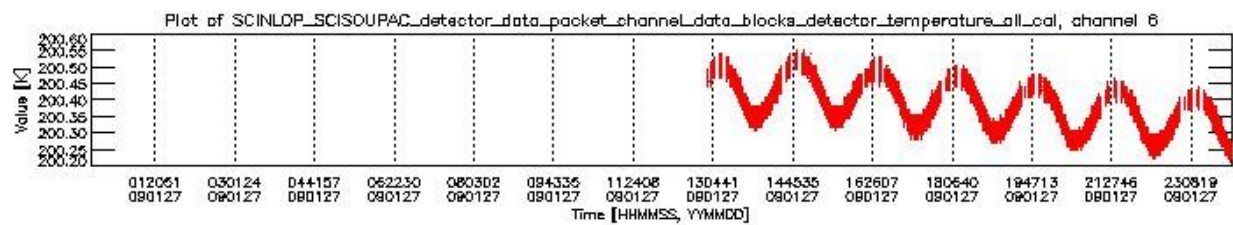
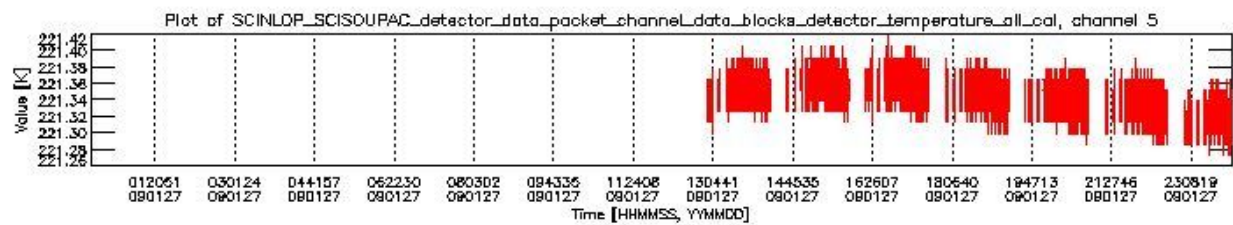
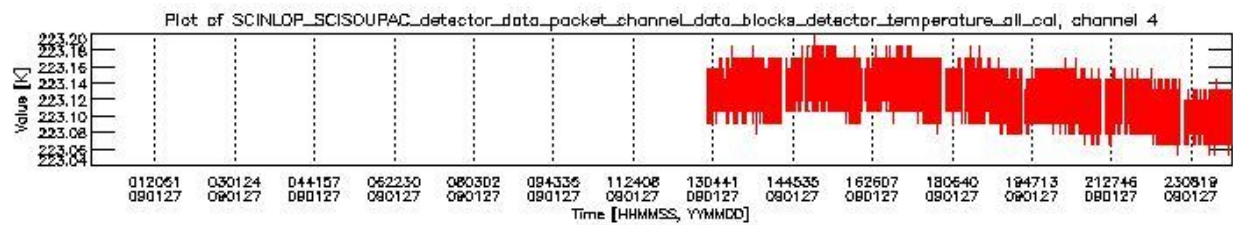
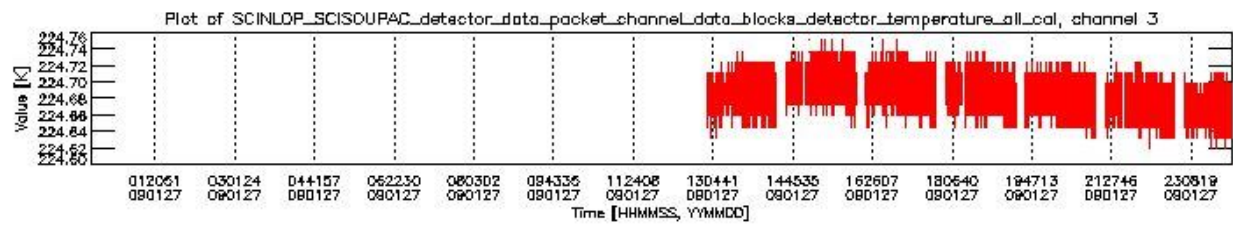
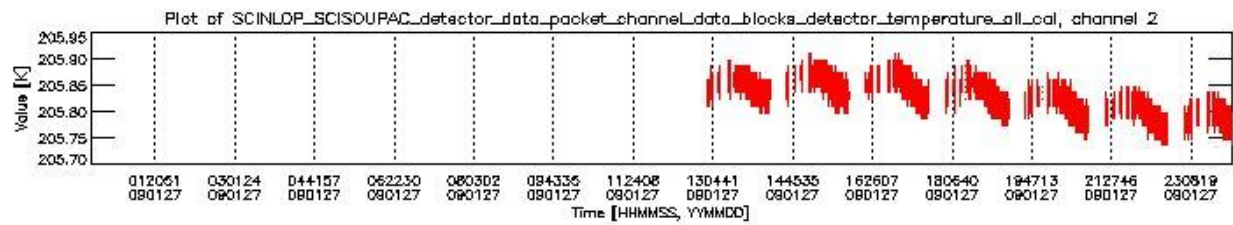
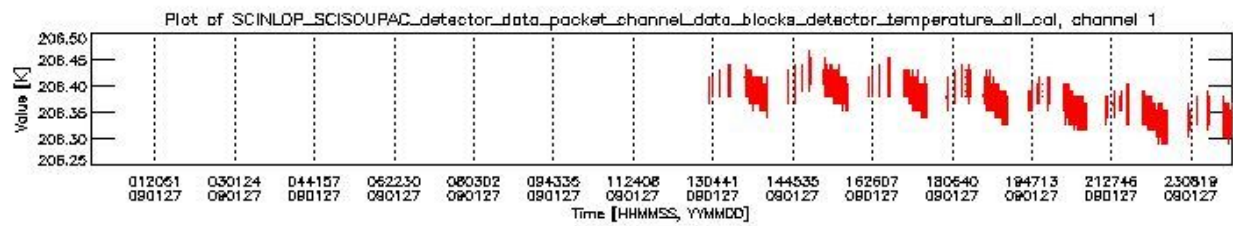
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090127_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090127_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090127_3.PNG

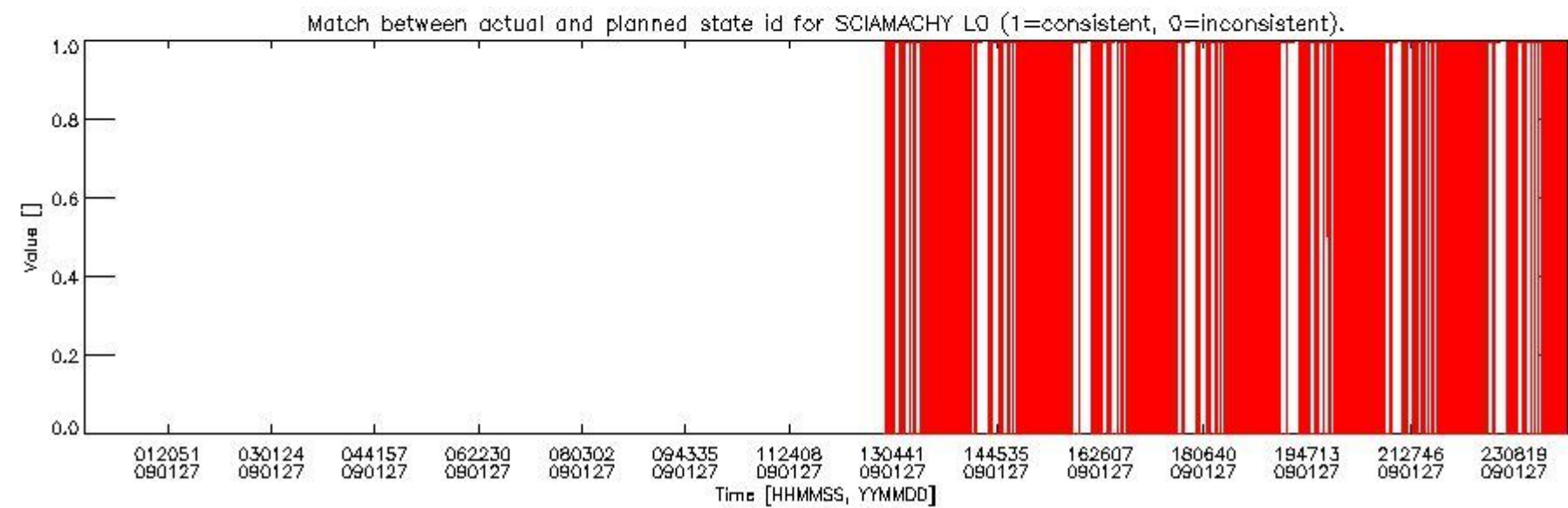
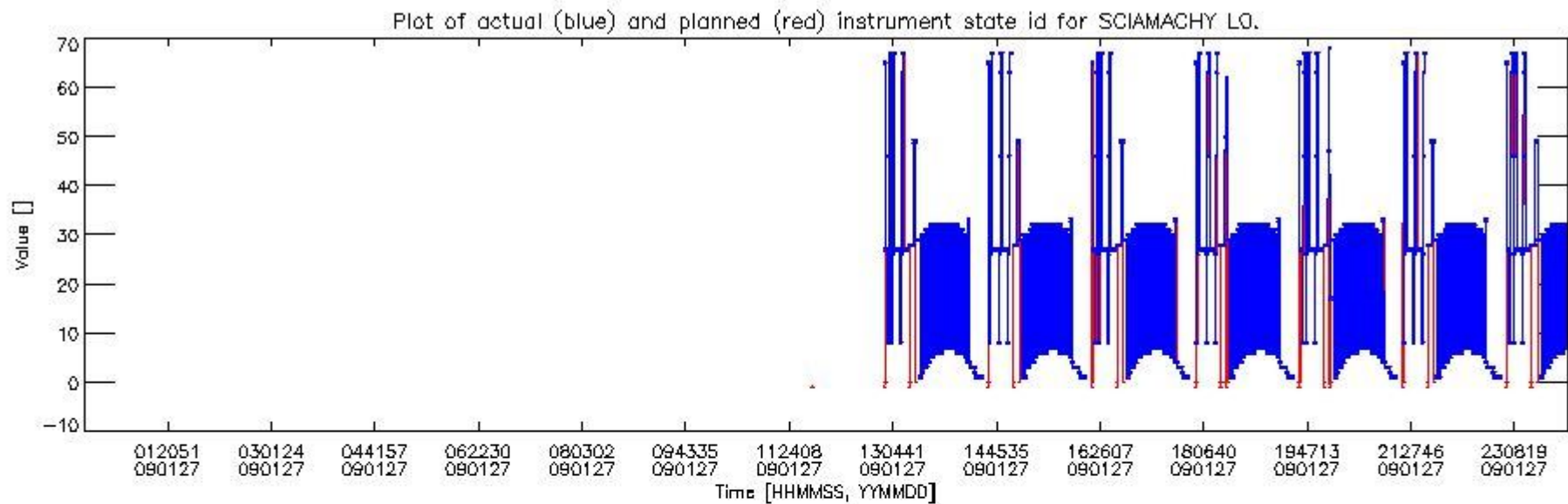


0.3 State monitoring

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: **30726**

#	Actual time	Actual value	Planned time	Planned value
0	27JAN2009 12:56:45.375896	65	27JAN2009 12:56:45.375896	0
1	27JAN2009 12:56:46.000878	65	27JAN2009 12:56:46.000878	0
2	27JAN2009 12:56:46.500895	65	27JAN2009 12:56:46.500895	0
3	27JAN2009 12:56:47.000872	65	27JAN2009 12:56:47.000872	0
4	27JAN2009 12:56:47.500890	65	27JAN2009 12:56:47.500890	0
5	27JAN2009 12:56:48.000907	65	27JAN2009 12:56:48.000907	0
6	27JAN2009 12:56:48.500884	65	27JAN2009 12:56:48.500884	0
7	27JAN2009 12:56:49.000902	65	27JAN2009 12:56:49.000902	0
8	27JAN2009 12:56:49.500879	65	27JAN2009 12:56:49.500879	0
9	27JAN2009 12:56:50.000896	65	27JAN2009 12:56:50.000896	0
10	27JAN2009 12:56:50.375869	65	27JAN2009 12:56:50.375869	0
11	27JAN2009 12:56:50.500874	65	27JAN2009 12:56:50.500874	0
12	27JAN2009 12:56:51.000891	65	27JAN2009 12:56:51.000891	0
13	27JAN2009 12:56:51.500868	65	27JAN2009 12:56:51.500868	0
14	27JAN2009 12:56:52.000886	65	27JAN2009 12:56:52.000886	0
15	27JAN2009 12:56:52.500903	65	27JAN2009 12:56:52.500903	0
16	27JAN2009 12:56:53.000880	65	27JAN2009 12:56:53.000880	0
17	27JAN2009 12:56:53.500898	65	27JAN2009 12:56:53.500898	0
18	27JAN2009 12:56:54.000875	65	27JAN2009 12:56:54.000875	0
19	27JAN2009 12:56:54.500892	65	27JAN2009 12:56:54.500892	0

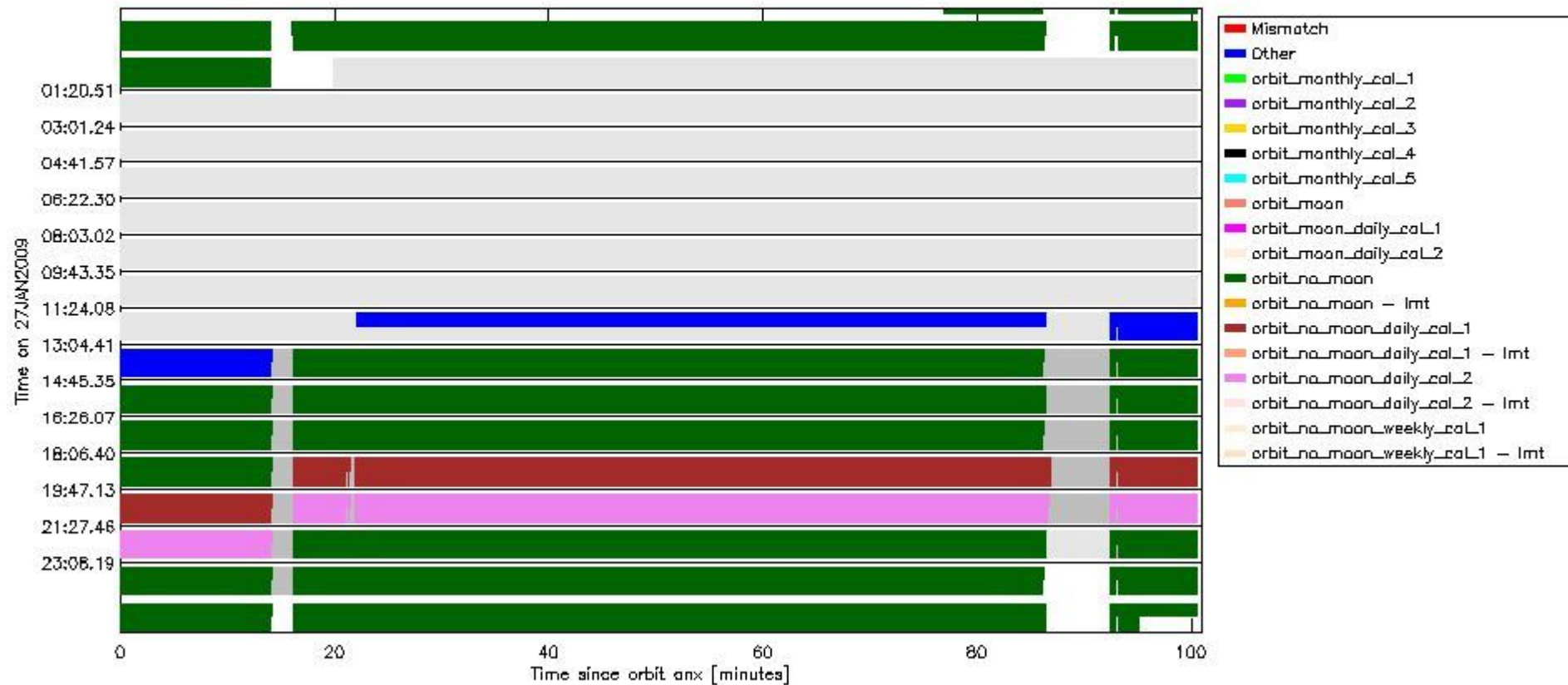


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090127_5.PNG

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 27JAN2009.
 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_20090127_6.PNG

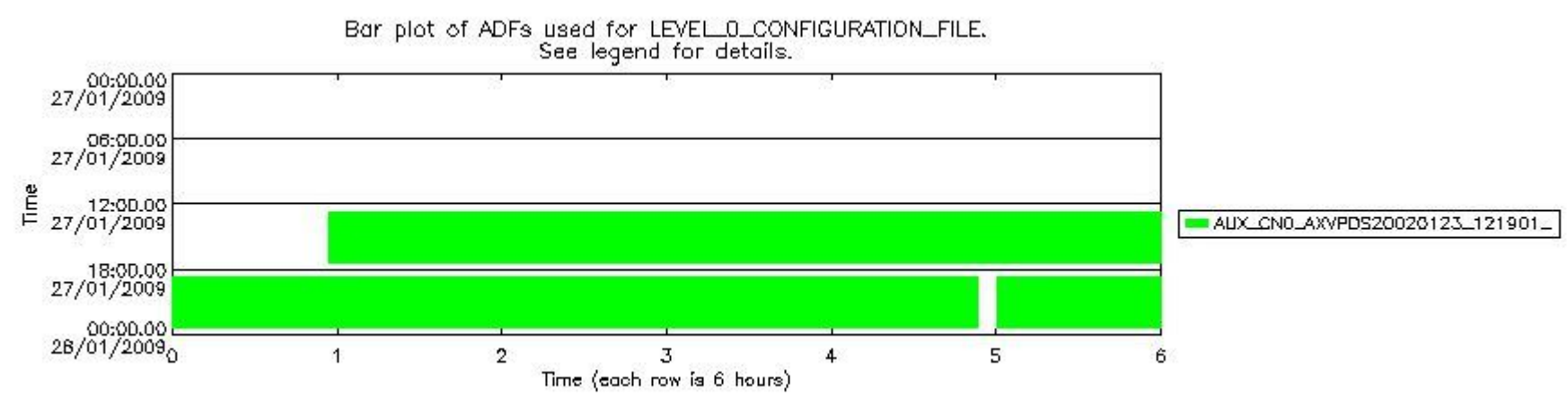
0.4 ADF monitoring

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

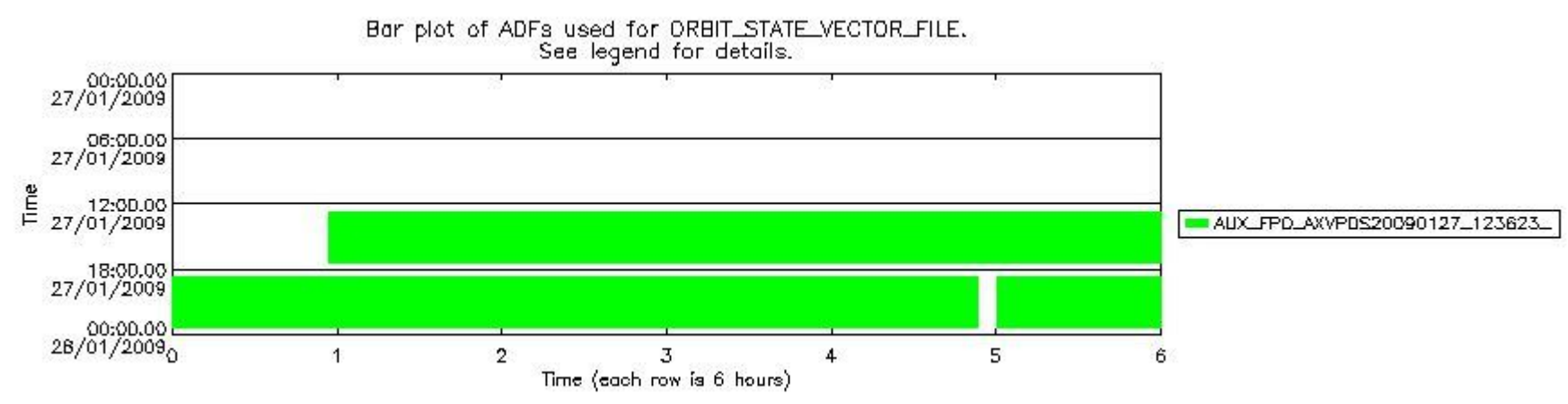
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

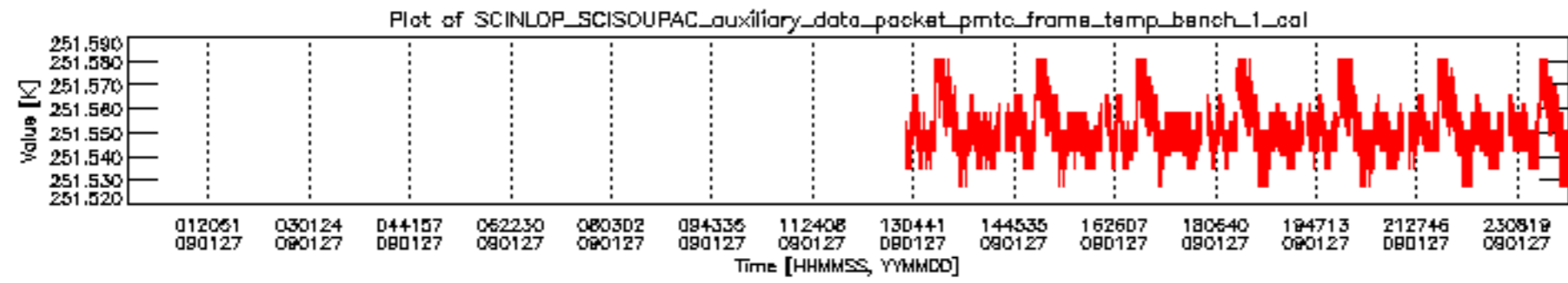
Number	ADF
	CNO (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090127_123623_20090126_183814_20090205_200426

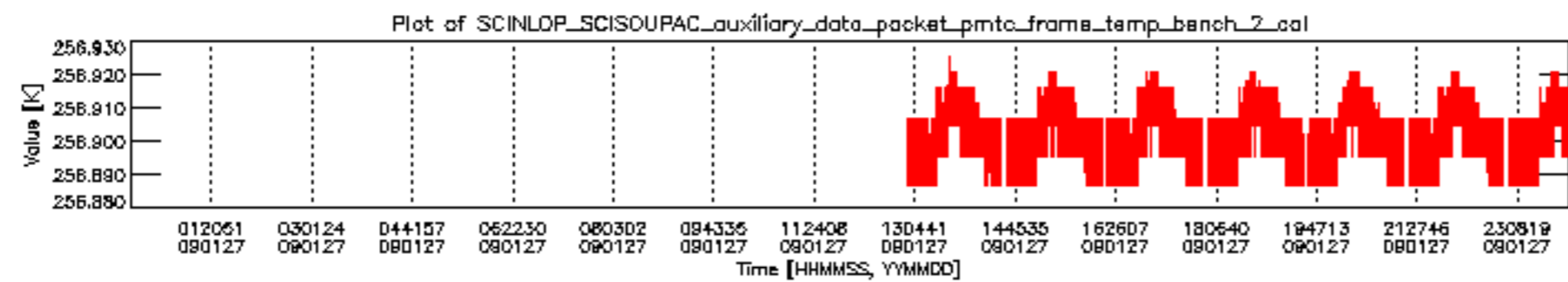


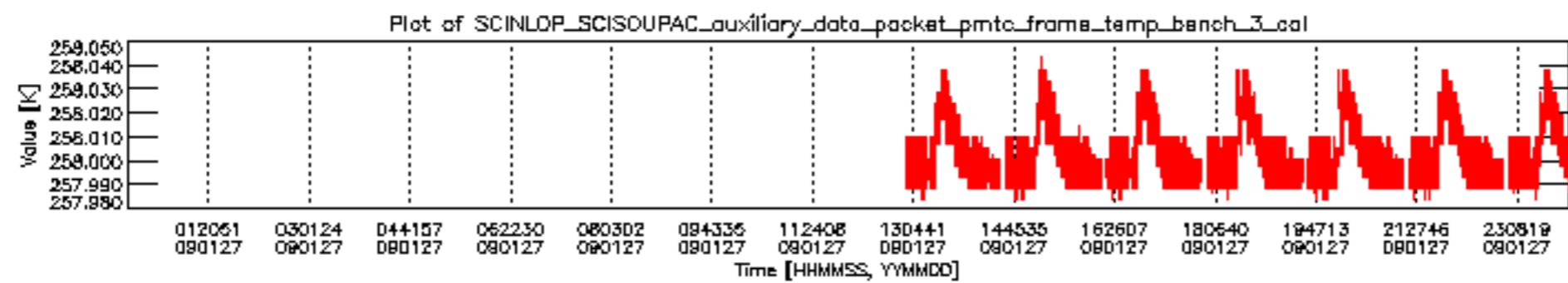
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090127_7.PNG

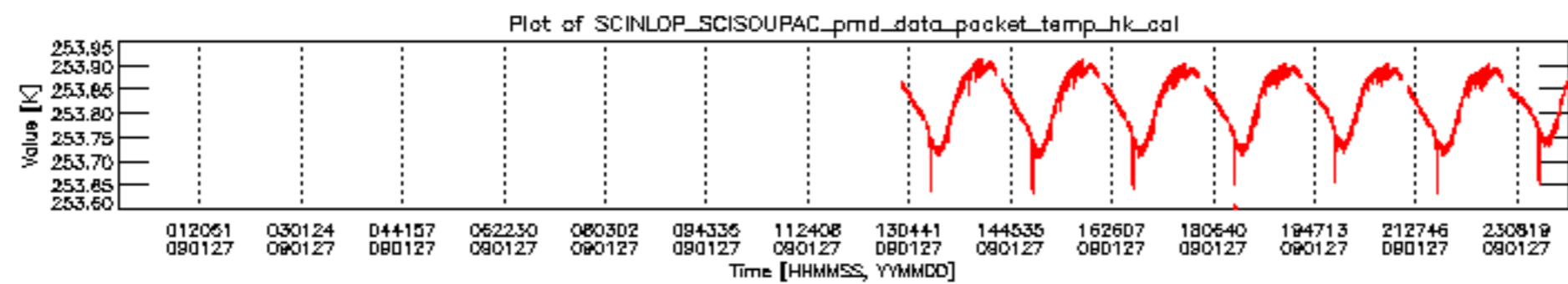


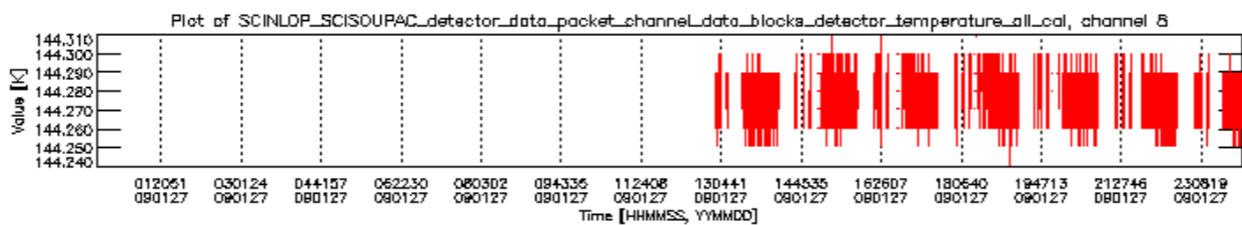
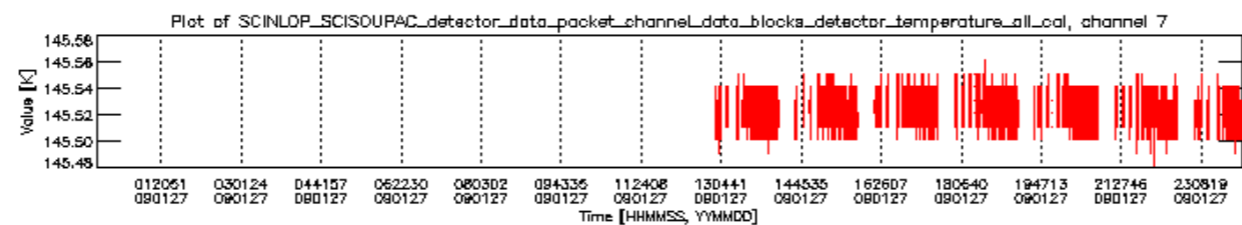
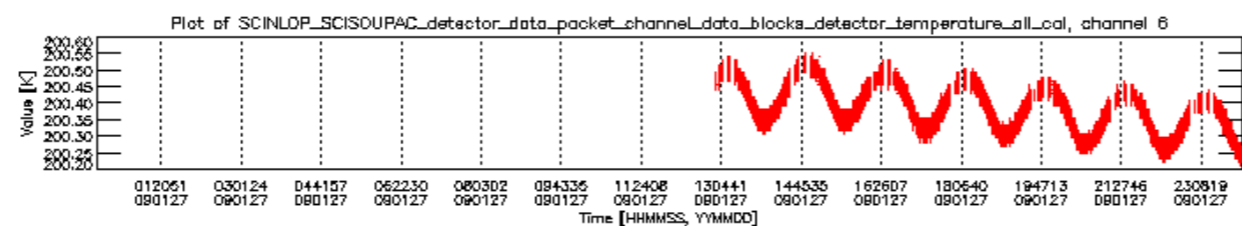
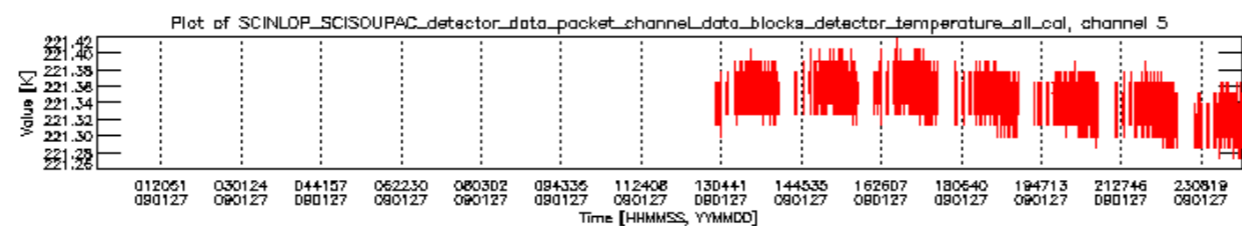
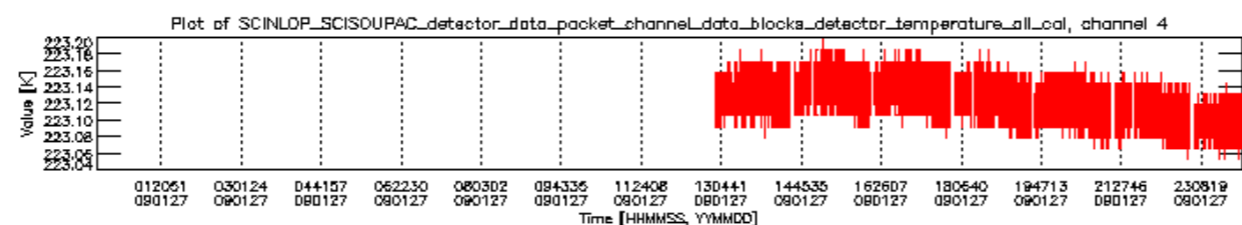
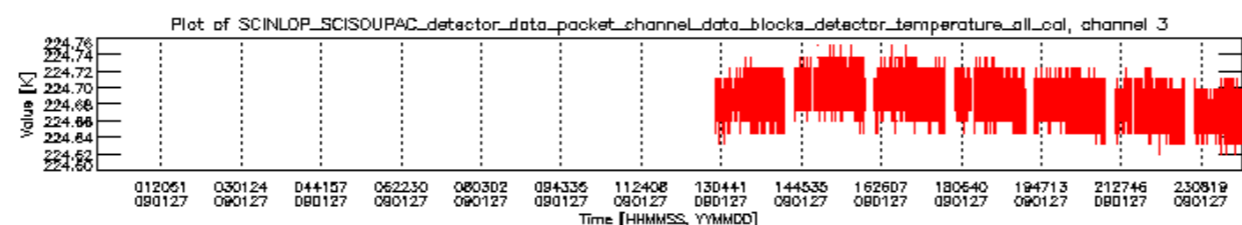
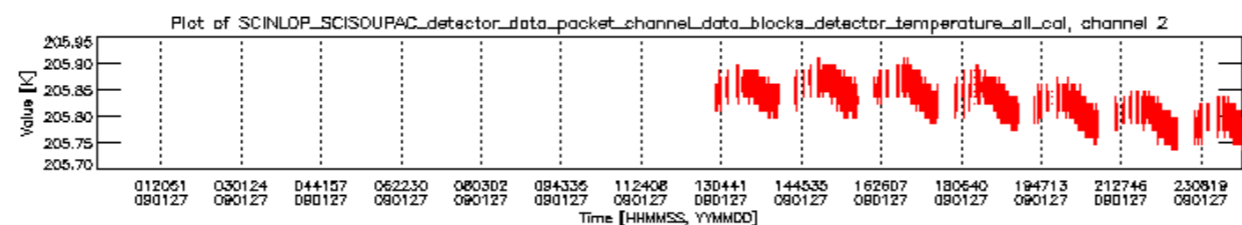
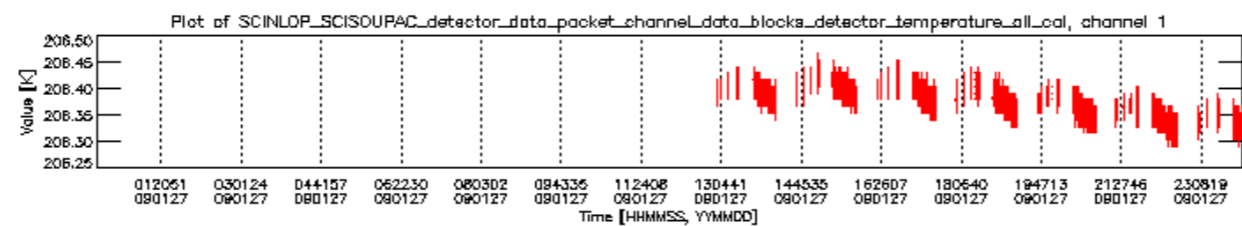
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090127_8.PNG

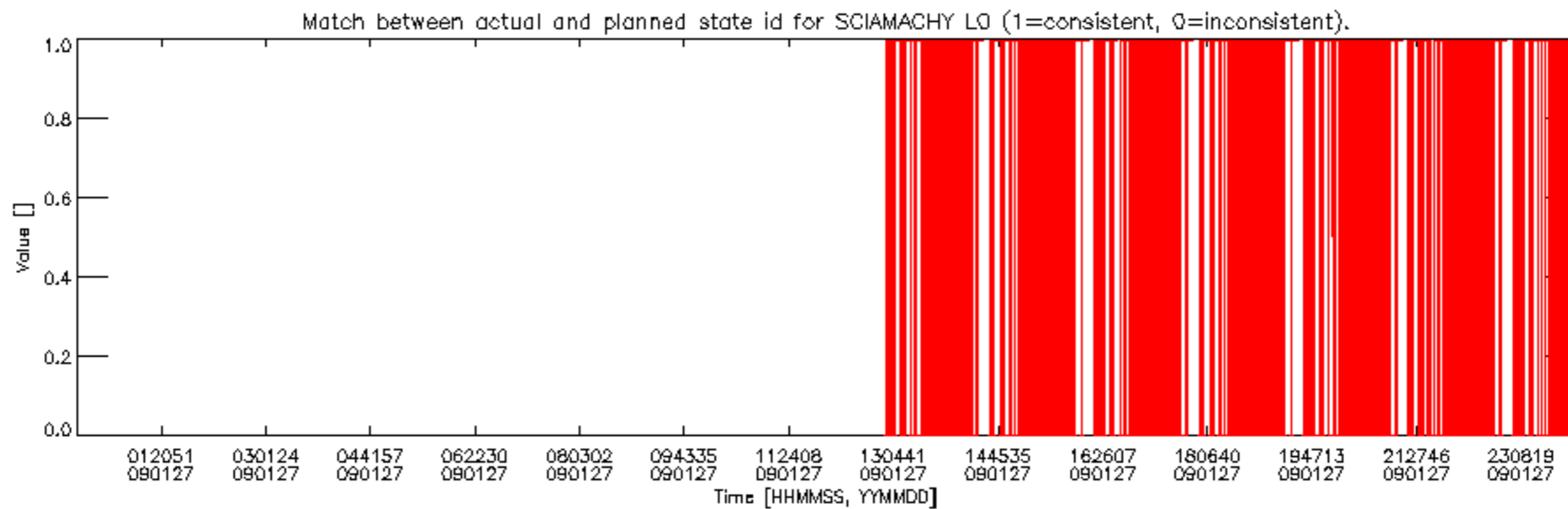
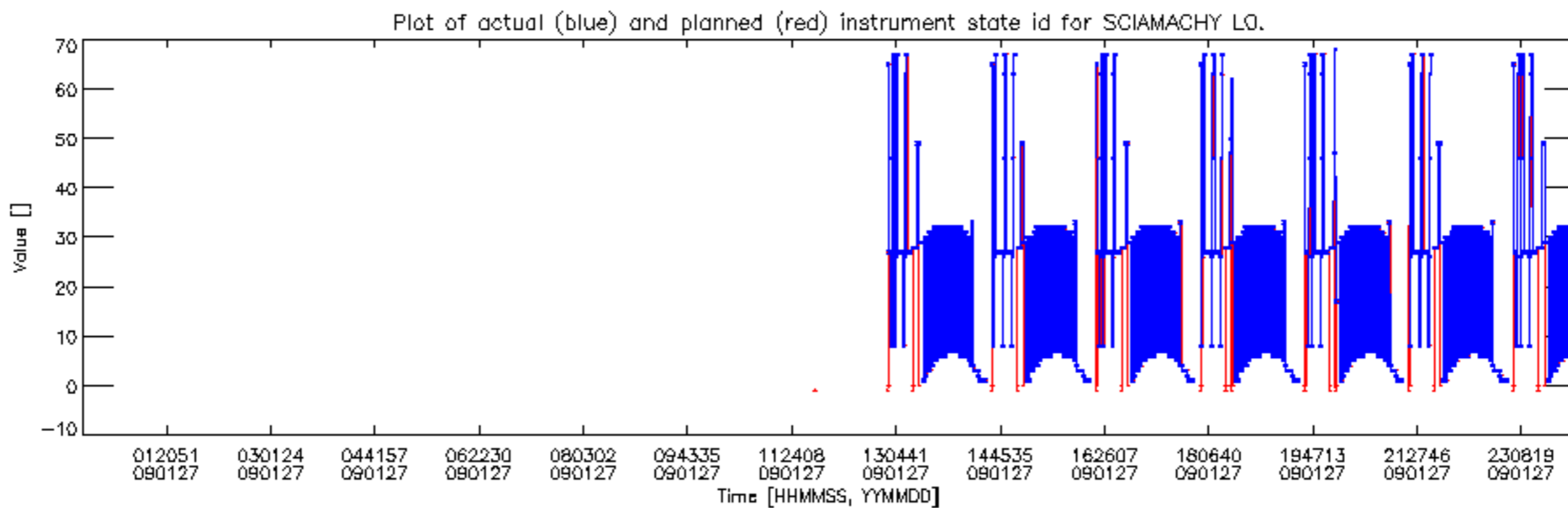












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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