

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	21JUN2009 09:51:46
Data source version	KSPT_L0/4303-N
Processing scope for products	17JUN2009 00:00:00 to 18JUN2009 00:00:00
Start time of first product within scope	17JUN2009 11:19:27
Stop time of last product within scope	18JUN2009 00:05:18
Total number of level 0 products	8
Number of level 0 products with errors	1

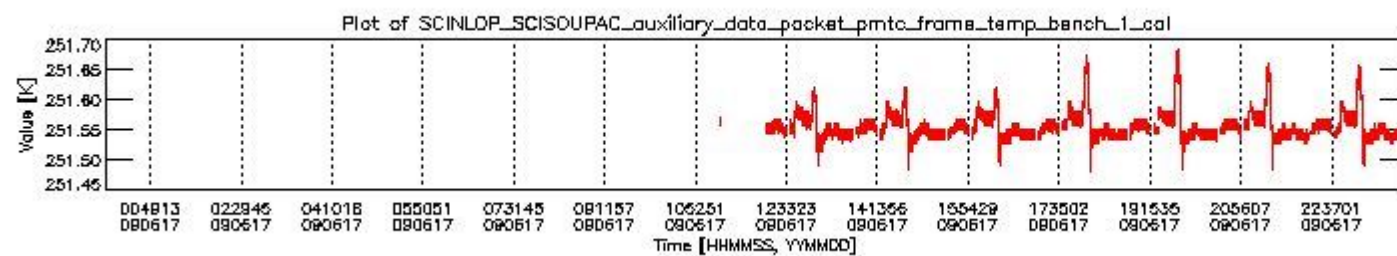
0.1.2 Summary per product

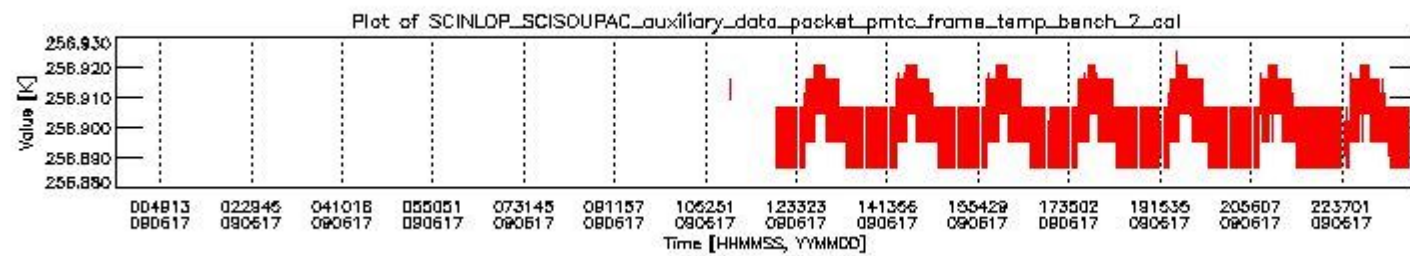
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20090617_111927_000060112080_00023_38153_1820.N1	17JUN2009 11:19:27	17JUN2009 12:59:38	0	0	0	0	0
1	SCI_NL__0PNPDK20090617_125843_000059802080_00024_38154_1821.N1	17JUN2009 12:58:43	17JUN2009 14:38:22	0	0	0	0	0
2	SCI_NL__0PNPDK20090617_143714_000059112080_00025_38155_1822.N1	17JUN2009 14:37:14	17JUN2009 16:15:45	1	0	1	0	0
3	SCI_NL__0PNPDK20090617_161437_000058152080_00026_38156_1823.N1	17JUN2009 16:14:37	17JUN2009 17:51:32	0	0	0	0	0
4	SCI_NL__0PNPDK20090617_175023_000060362080_00027_38157_1824.N1	17JUN2009 17:50:23	17JUN2009 19:30:59	0	0	0	0	0
5	SCI_NL__0PNPDK20090617_192951_000061582080_00028_38158_1825.N1	17JUN2009 19:29:51	17JUN2009 21:12:28	0	0	0	0	0
6	SCI_NL__0PNPDE20090617_211120_000043062080_00029_38159_9347.N1	17JUN2009 21:11:20	17JUN2009 22:23:06	0	0	0	0	0
7	SCI_NL__0PNPDE20090617_222306_000061322080_00029_38159_9348.N1	17JUN2009 22:23:06	18JUN2009 00:05:18	0	0	0	0	0

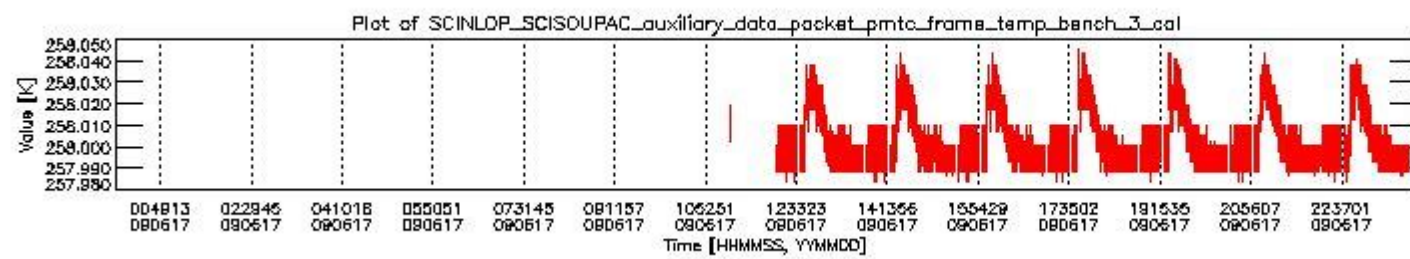
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

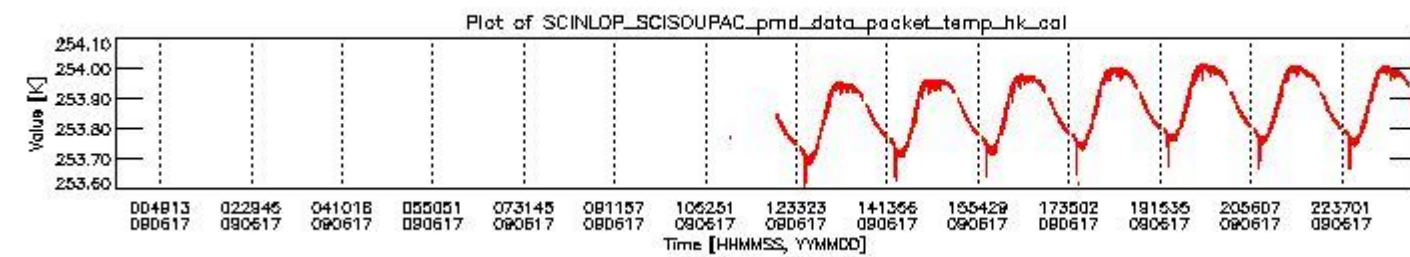




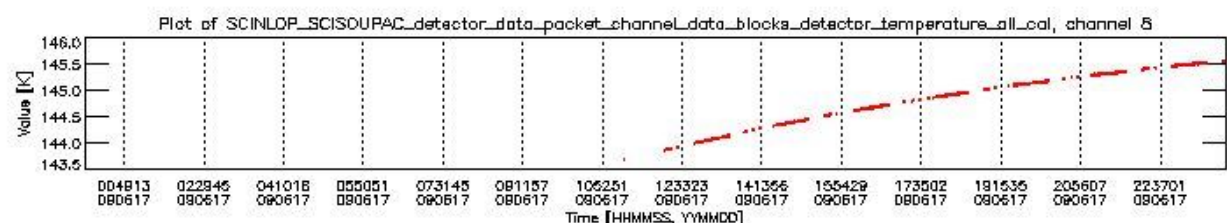
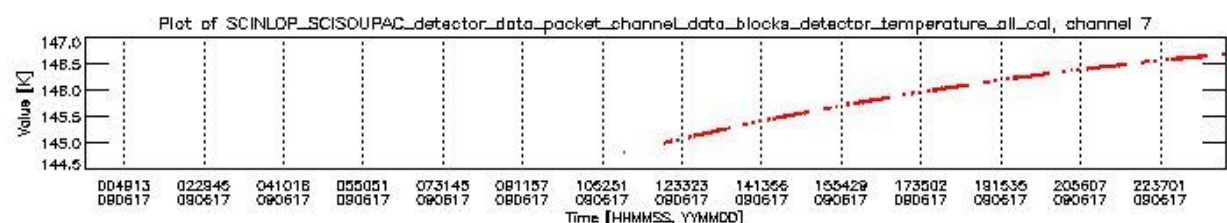
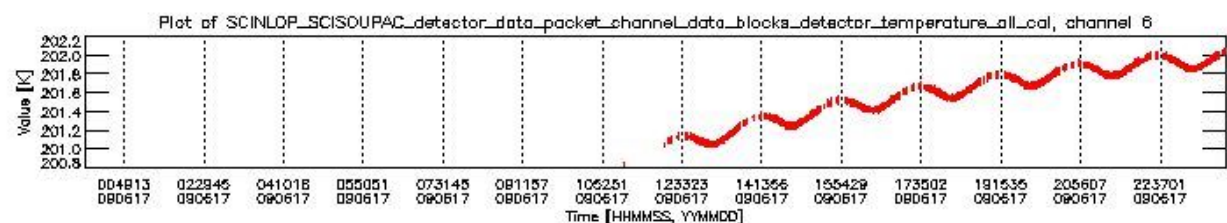
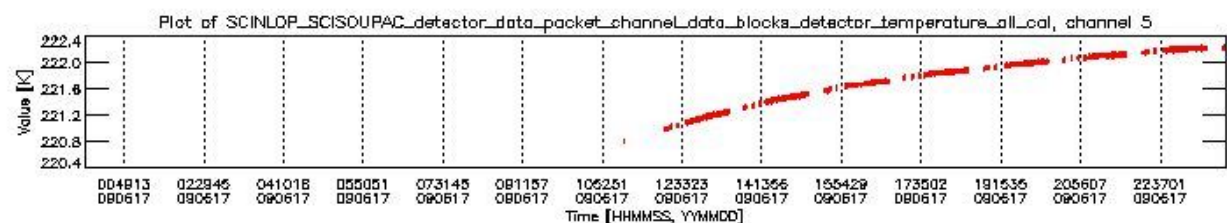
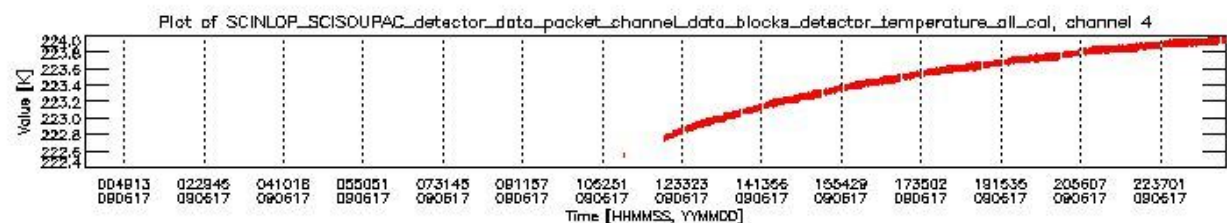
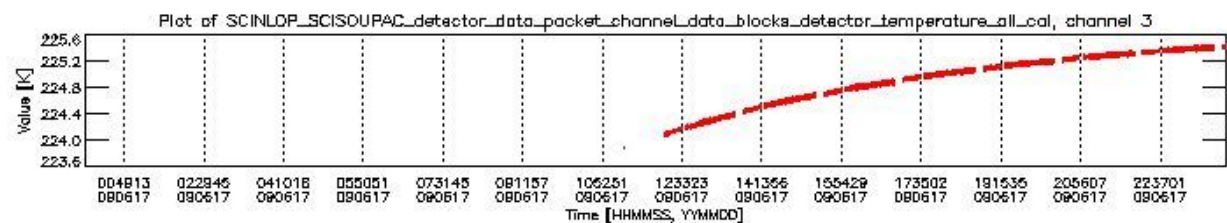
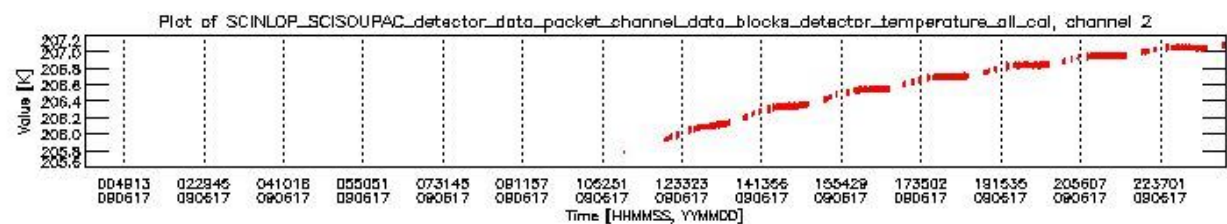
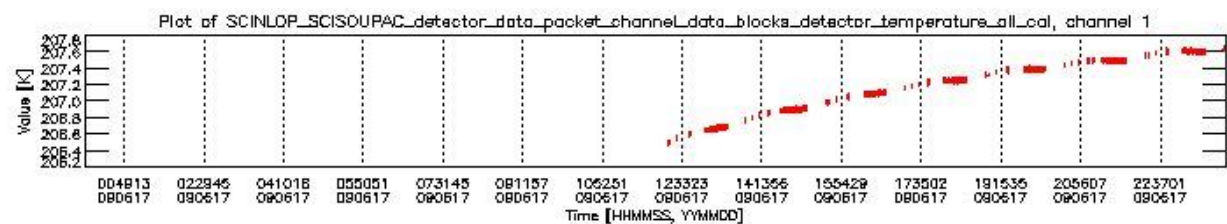
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090617_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090617_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090617_3.PNG

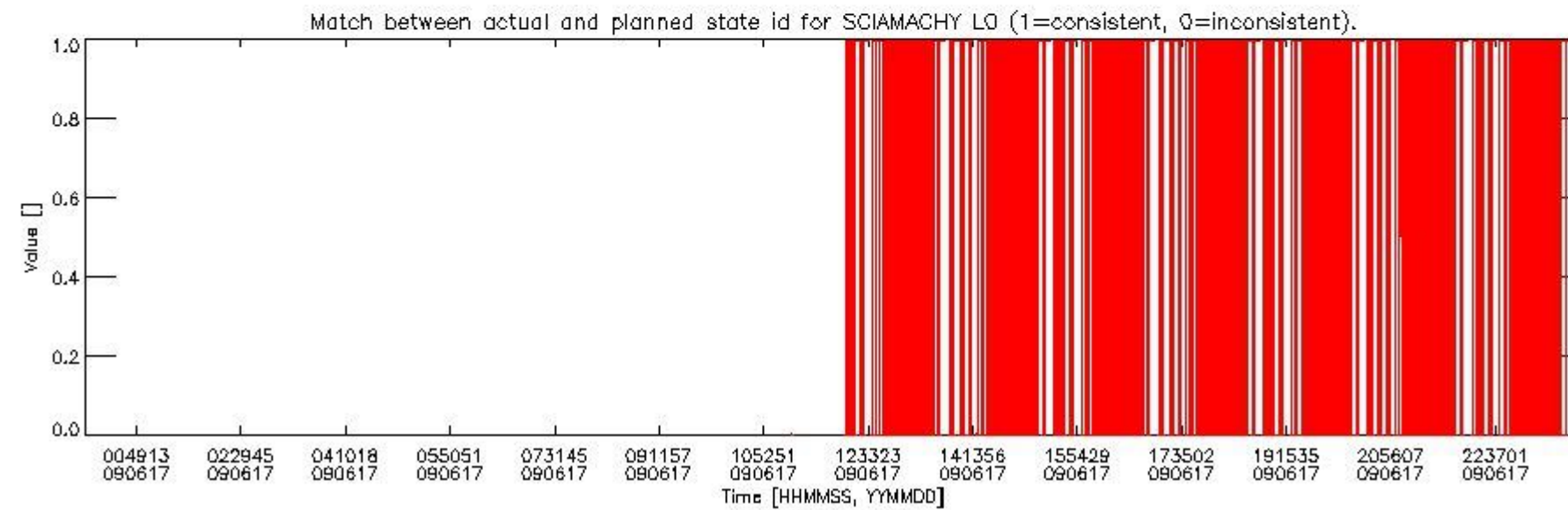
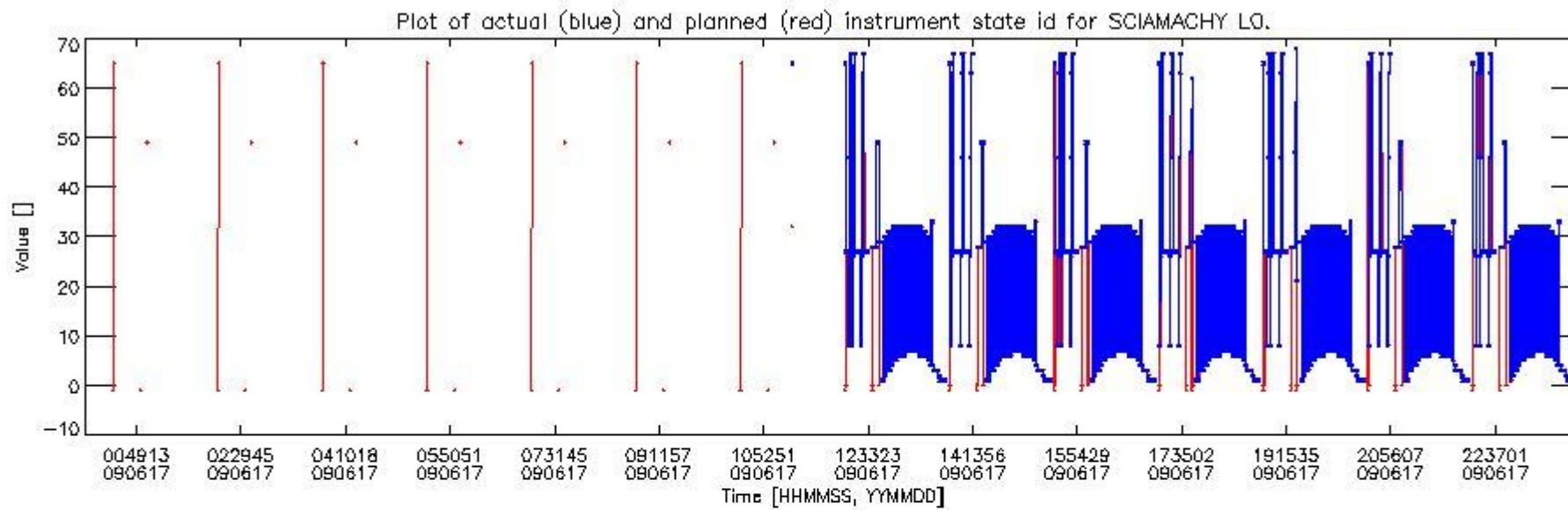


0.3 State monitoring

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: **20267**

#	Actual time	Actual value	Planned time	Planned value
0	17JUN2009 11:19:32.440928	65	17JUN2009 11:19:32.440928	32
1	17JUN2009 11:19:33.065910	65	17JUN2009 11:19:33.065910	32
2	17JUN2009 11:19:33.565927	65	17JUN2009 11:19:33.565927	32
3	17JUN2009 11:19:34.065904	65	17JUN2009 11:19:34.065904	32
4	17JUN2009 11:19:34.565922	65	17JUN2009 11:19:34.565922	32
5	17JUN2009 11:19:35.065939	65	17JUN2009 11:19:35.065939	32
6	17JUN2009 11:19:35.565916	65	17JUN2009 11:19:35.565916	32
7	17JUN2009 11:19:36.065934	65	17JUN2009 11:19:36.065934	32
8	17JUN2009 11:19:36.565911	65	17JUN2009 11:19:36.565911	32
9	17JUN2009 11:19:37.065928	65	17JUN2009 11:19:37.065928	32
10	17JUN2009 11:19:37.440941	65	17JUN2009 11:19:37.440941	32
11	17JUN2009 11:19:37.565905	65	17JUN2009 11:19:37.565905	32
12	17JUN2009 11:19:38.065923	65	17JUN2009 11:19:38.065923	32
13	17JUN2009 11:19:38.565940	65	17JUN2009 11:19:38.565940	32
14	17JUN2009 11:19:39.065917	65	17JUN2009 11:19:39.065917	32
15	17JUN2009 11:19:39.565935	65	17JUN2009 11:19:39.565935	32
16	17JUN2009 11:19:40.065912	65	17JUN2009 11:19:40.065912	32
17	17JUN2009 11:19:40.565929	65	17JUN2009 11:19:40.565929	32
18	17JUN2009 11:19:41.065907	65	17JUN2009 11:19:41.065907	32
19	17JUN2009 11:19:41.565924	65	17JUN2009 11:19:41.565924	32
...

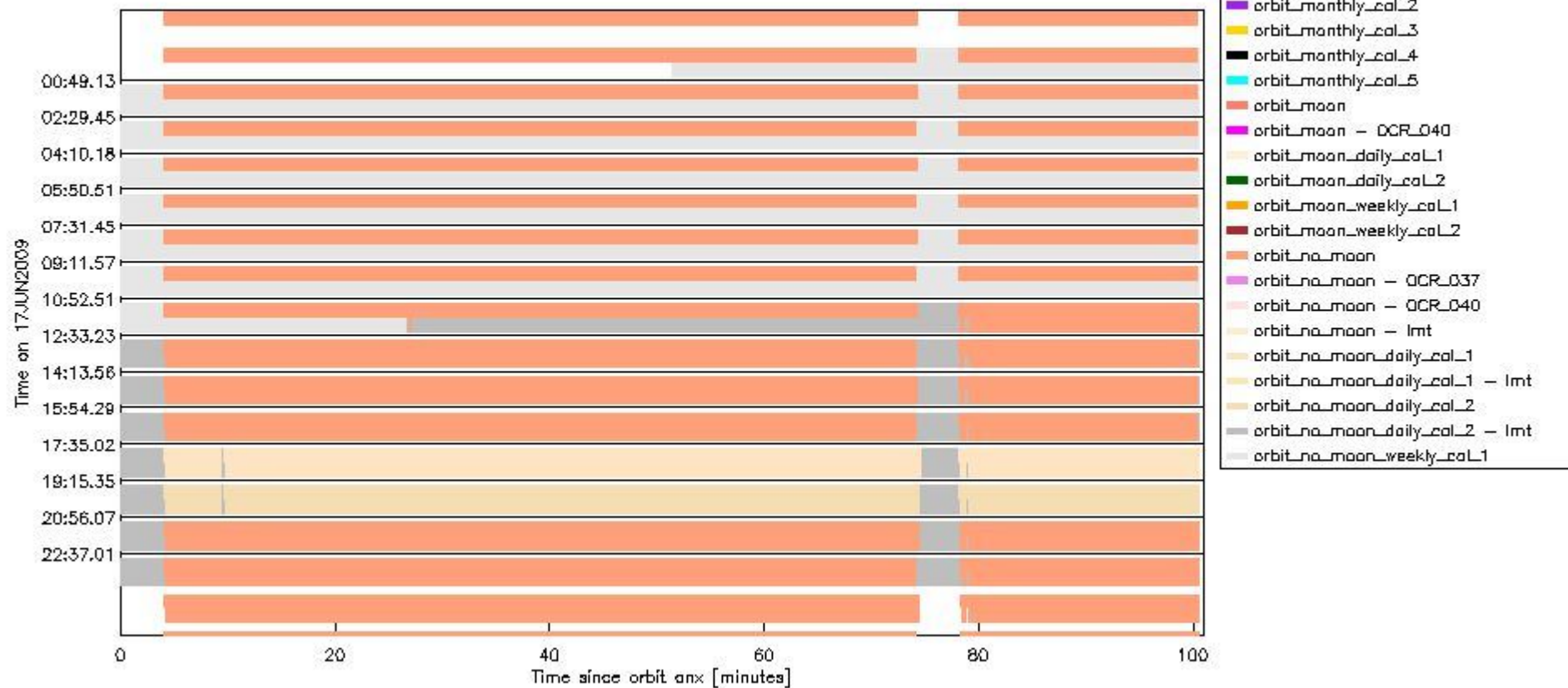


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090617_5.PNG

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 17JUN2009.
 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_20090617_6.PNG

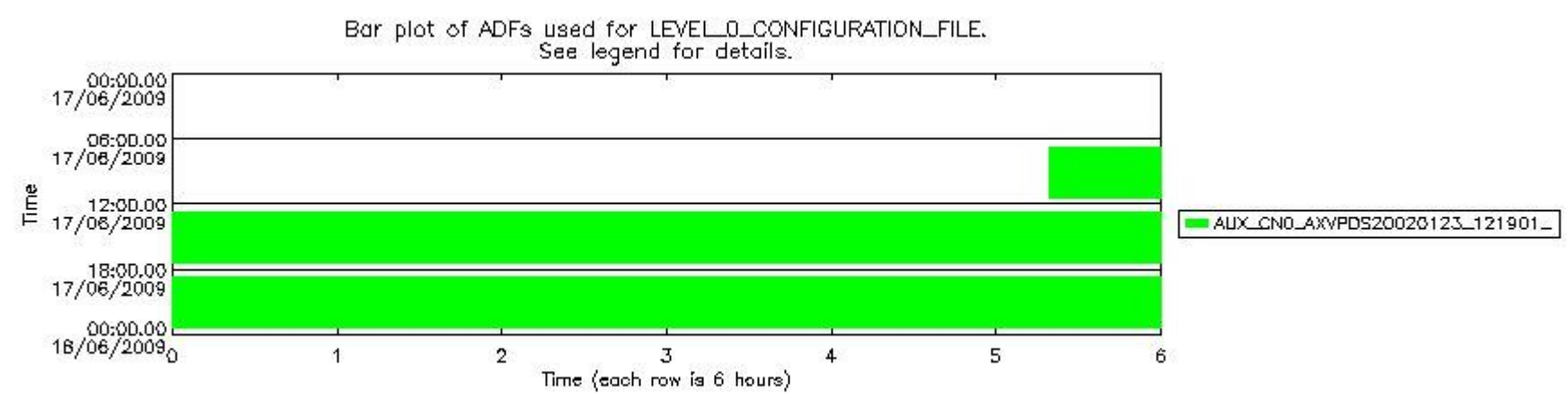
0.4 ADF monitoring

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

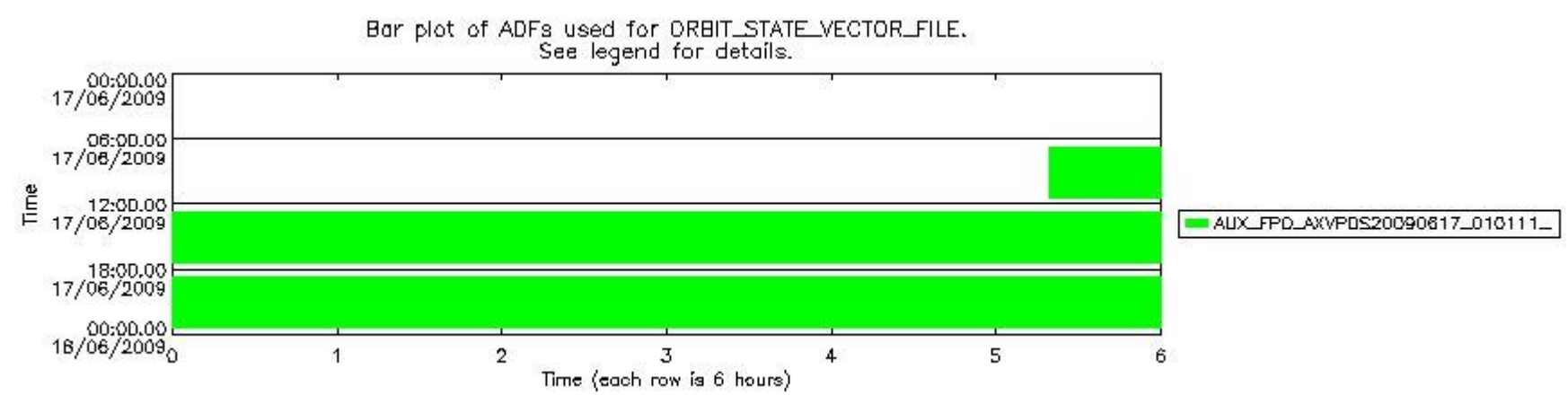
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

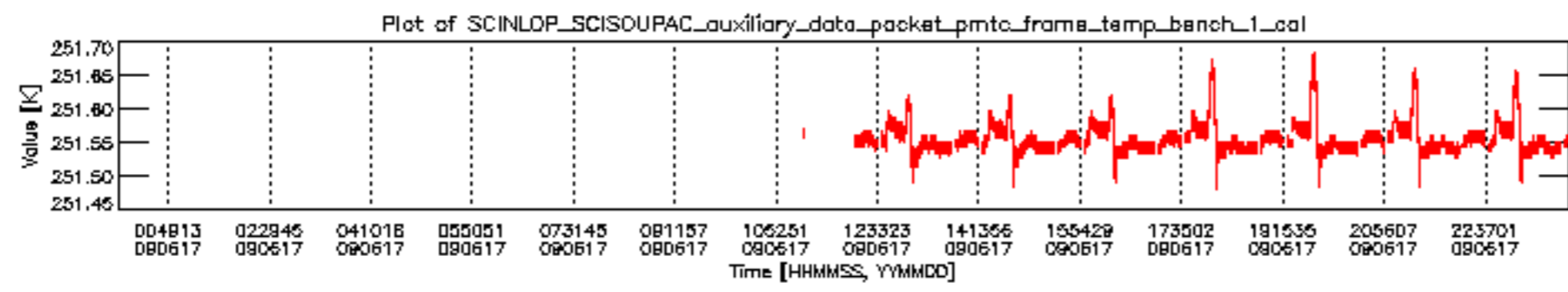
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090617_010111_20090616_194717_20090626_211331

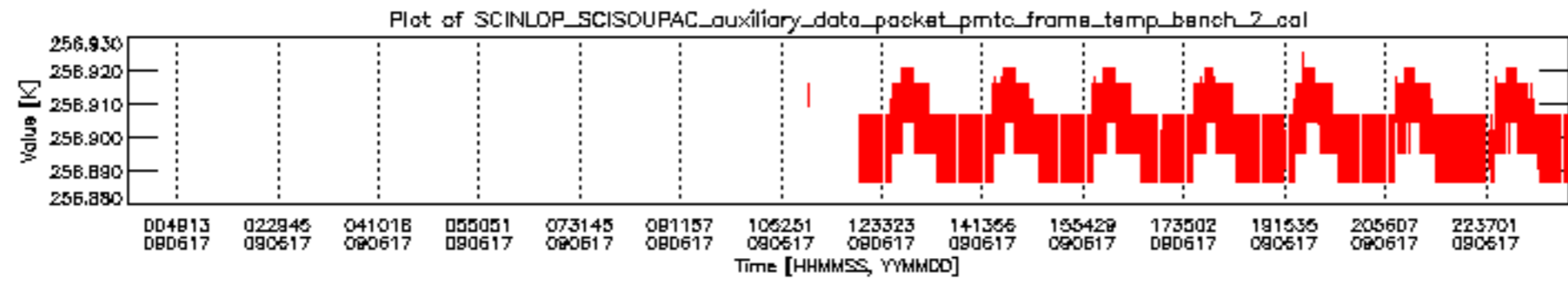


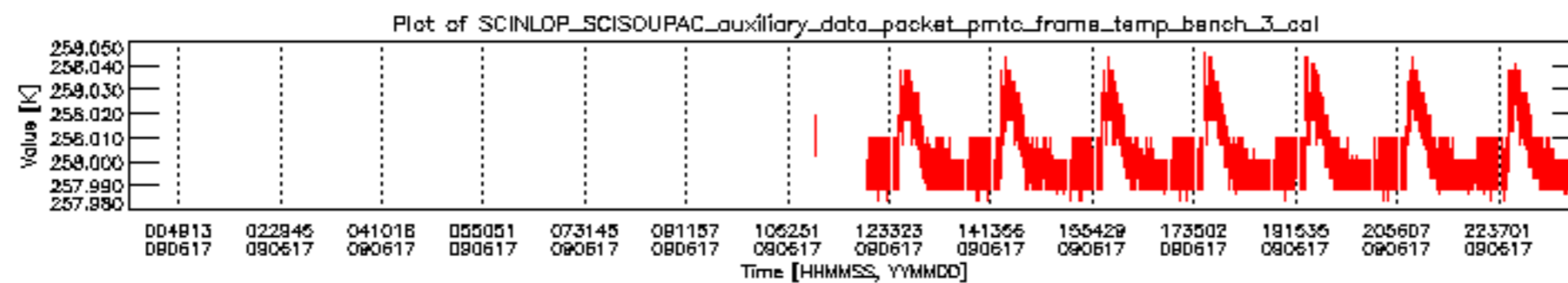
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090617_7.PNG

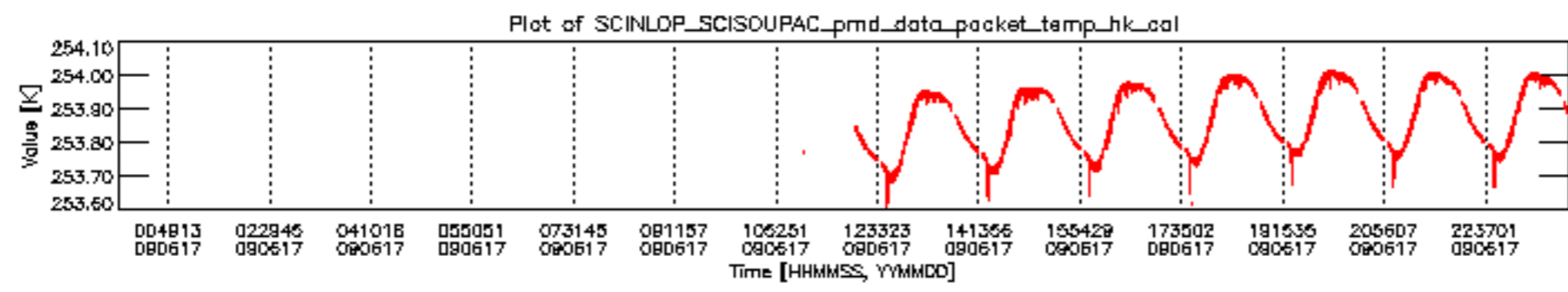


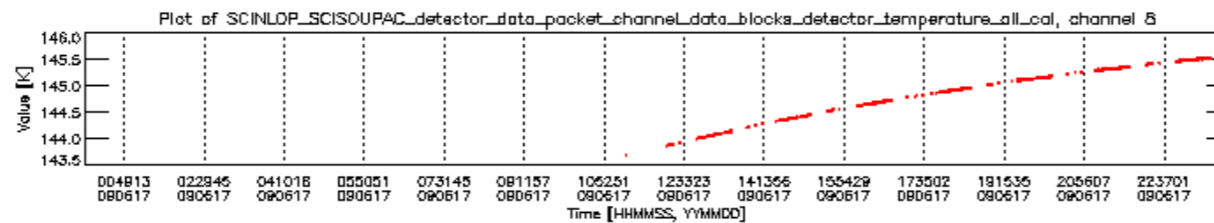
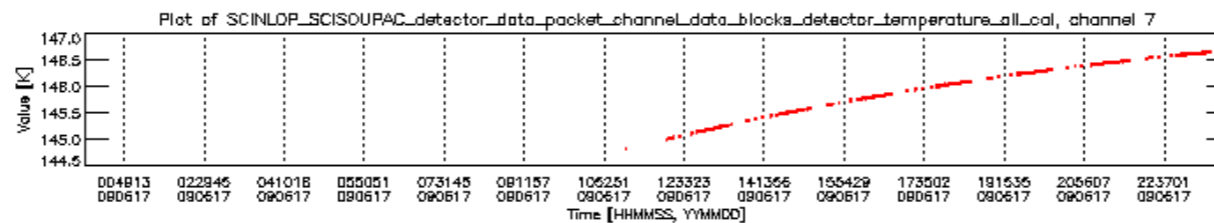
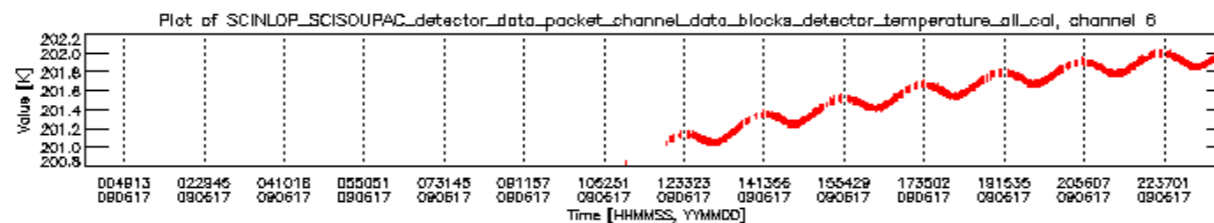
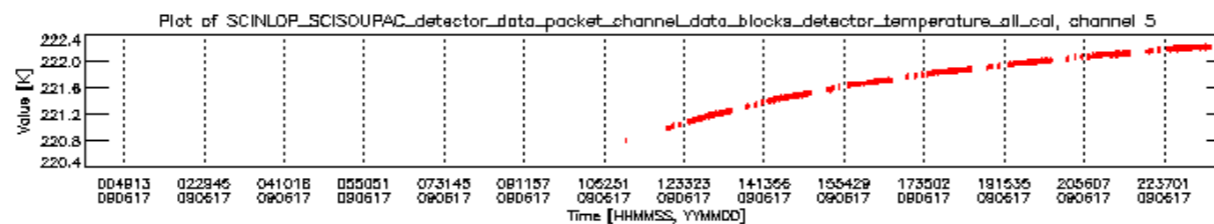
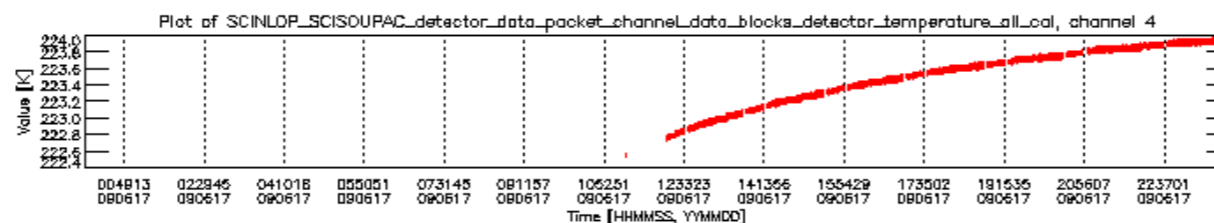
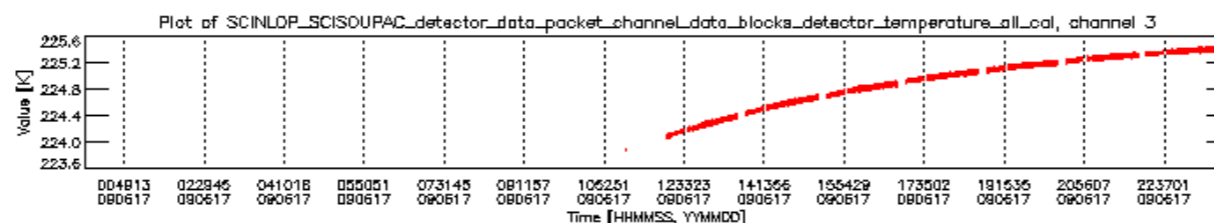
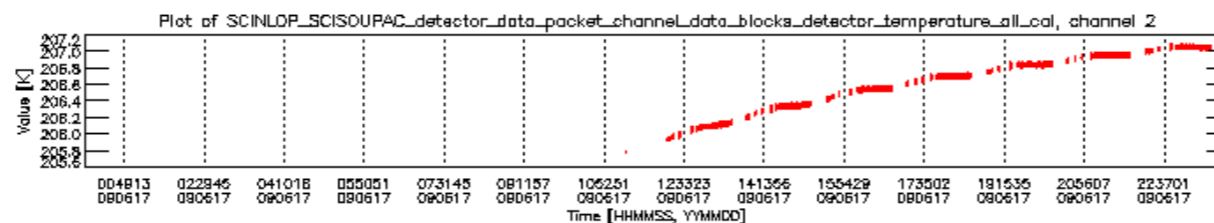
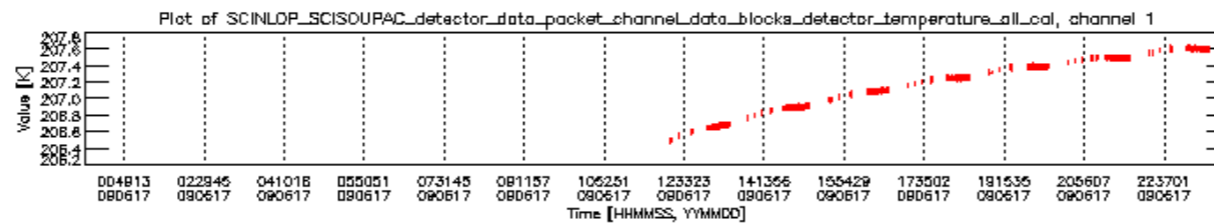
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090617_8.PNG

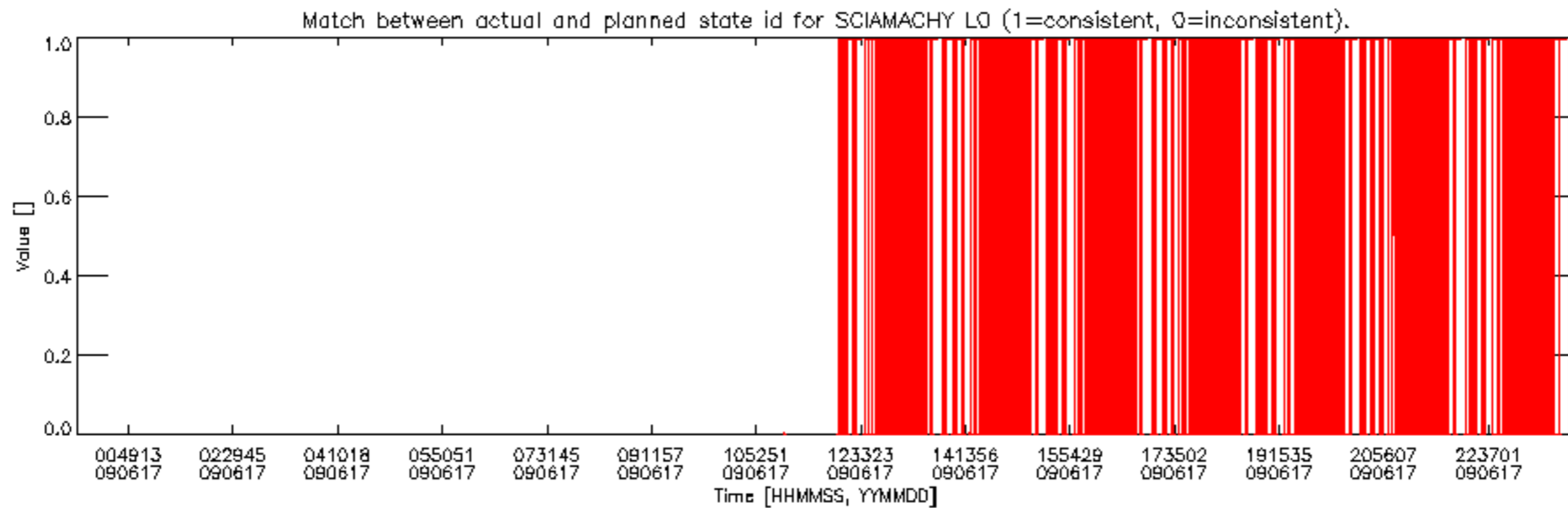
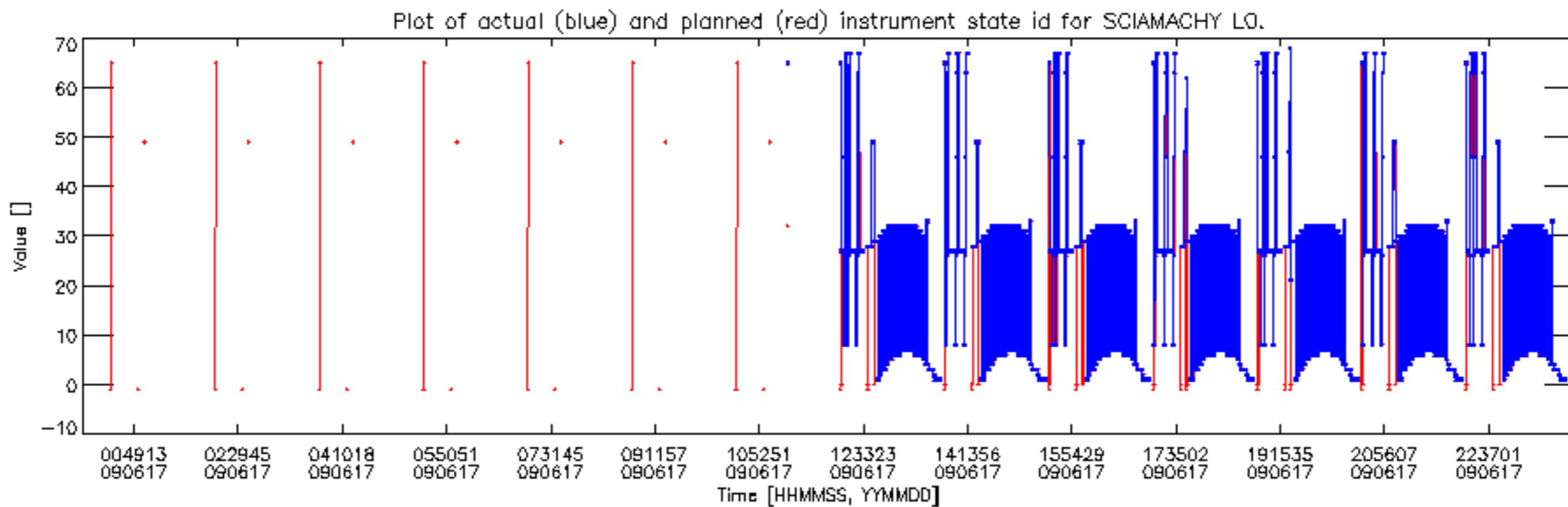












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