

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	10JUN2008 04:59:10
Data source version	KSPT_L0/4303-N
Processing scope for products	06JUN2008 00:00:00 to 07JUN2008 00:00:00
Start time of first product within scope	05JUN2008 23:12:21
Stop time of last product within scope	06JUN2008 07:09:06
Total number of level 0 products	5
Number of level 0 products with errors	0

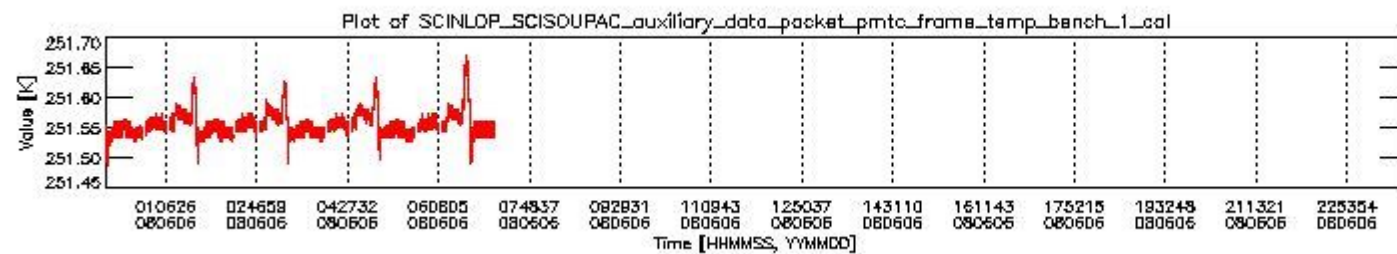
0.1.2 Summary per product

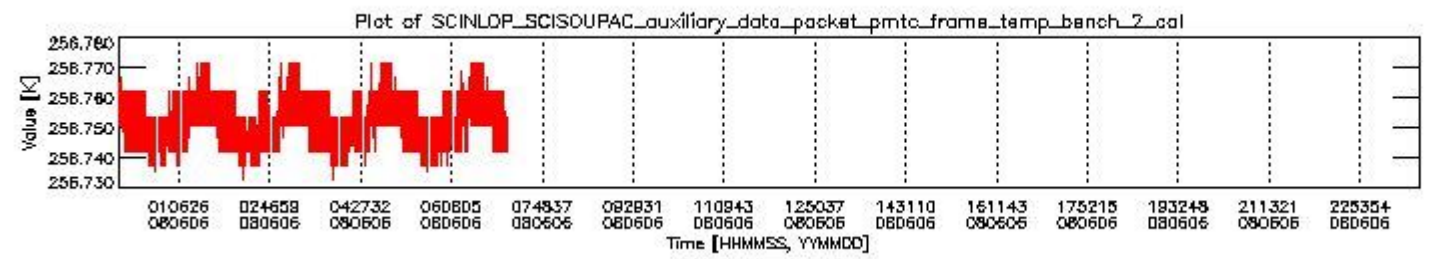
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDE20080605_231221_000061552069_00144_32763_6910.N1	05JUN2008 23:12:21	06JUN2008 00:54:57	0	0	0	0	0
1	SCI_NL__0PNPDE20080606_005413_000046472069_00145_32764_6911.N1	06JUN2008 00:54:13	06JUN2008 02:11:40	0	0	0	0	0
2	SCI_NL__0PNPDE20080606_021031_000058432069_00146_32765_6912.N1	06JUN2008 02:10:31	06JUN2008 03:47:54	0	0	0	0	0
3	SCI_NL__0PNPDE20080606_034754_000060362069_00147_32766_6913.N1	06JUN2008 03:47:54	06JUN2008 05:28:30	0	0	0	0	0
4	SCI_NL__0PNPDE20080606_052721_000061042069_00148_32767_6914.N1	06JUN2008 05:27:21	06JUN2008 07:09:06	0	0	0	0	0

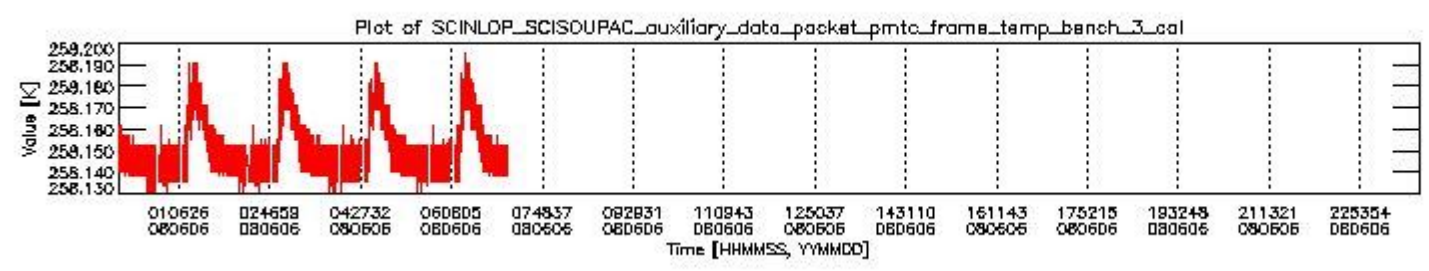
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

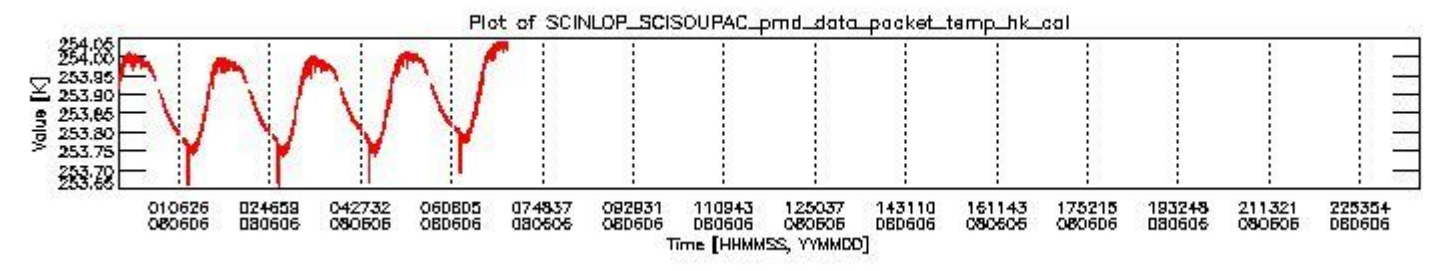




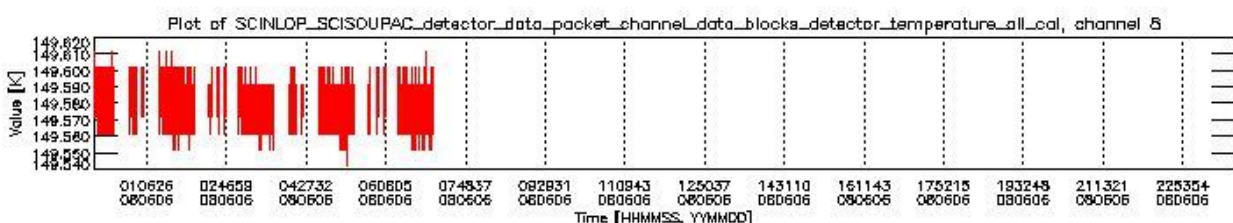
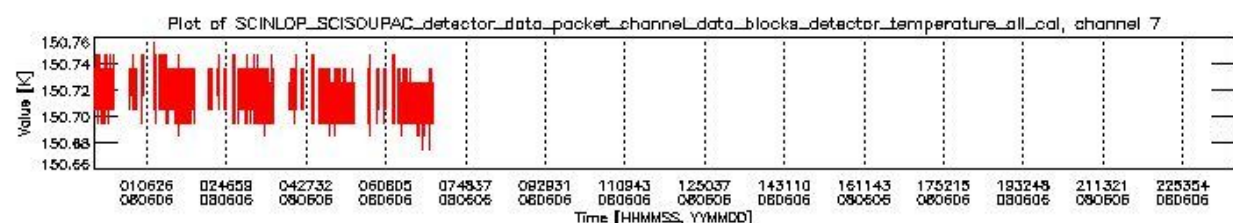
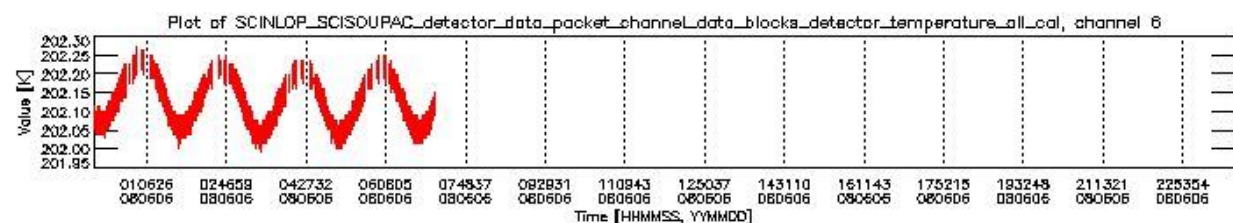
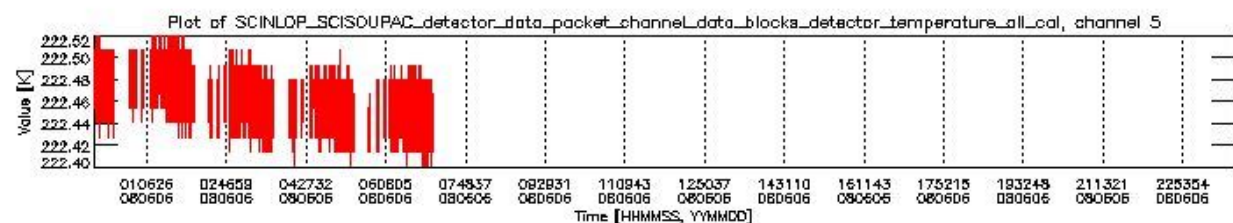
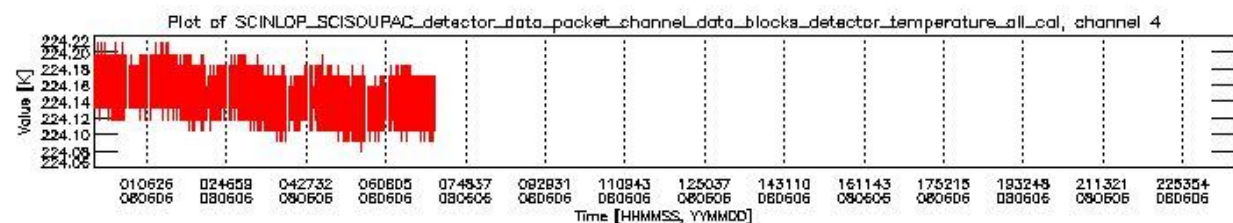
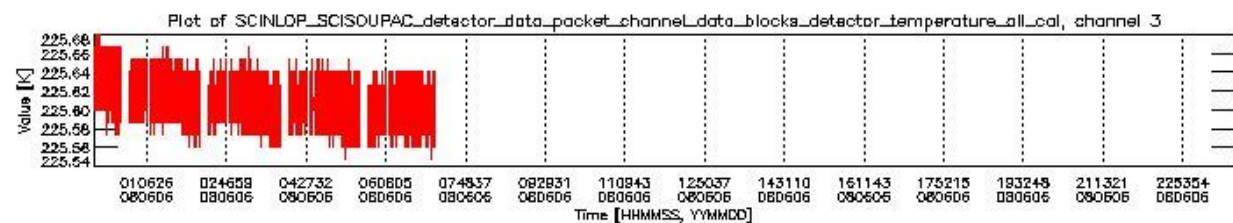
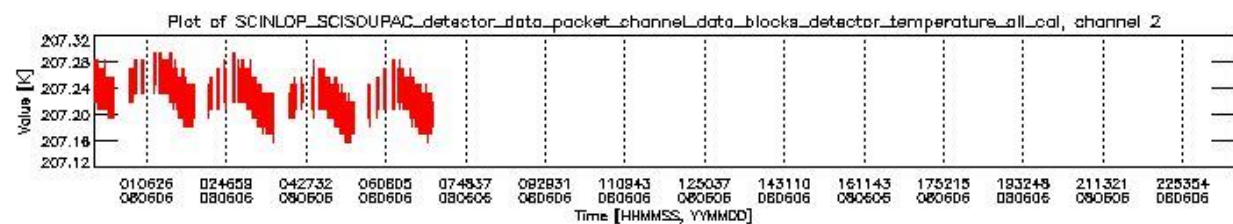
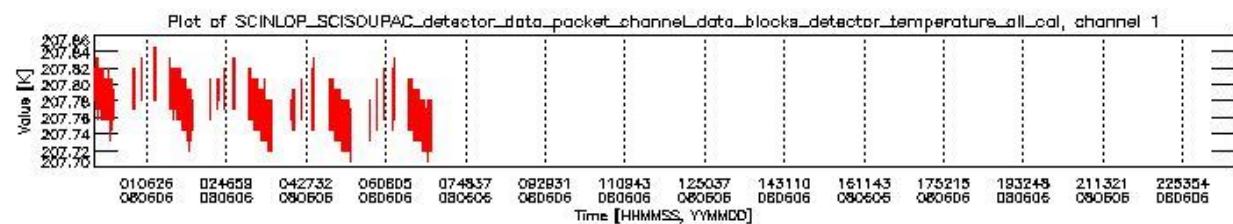
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080606_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080606_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080606_3.PNG

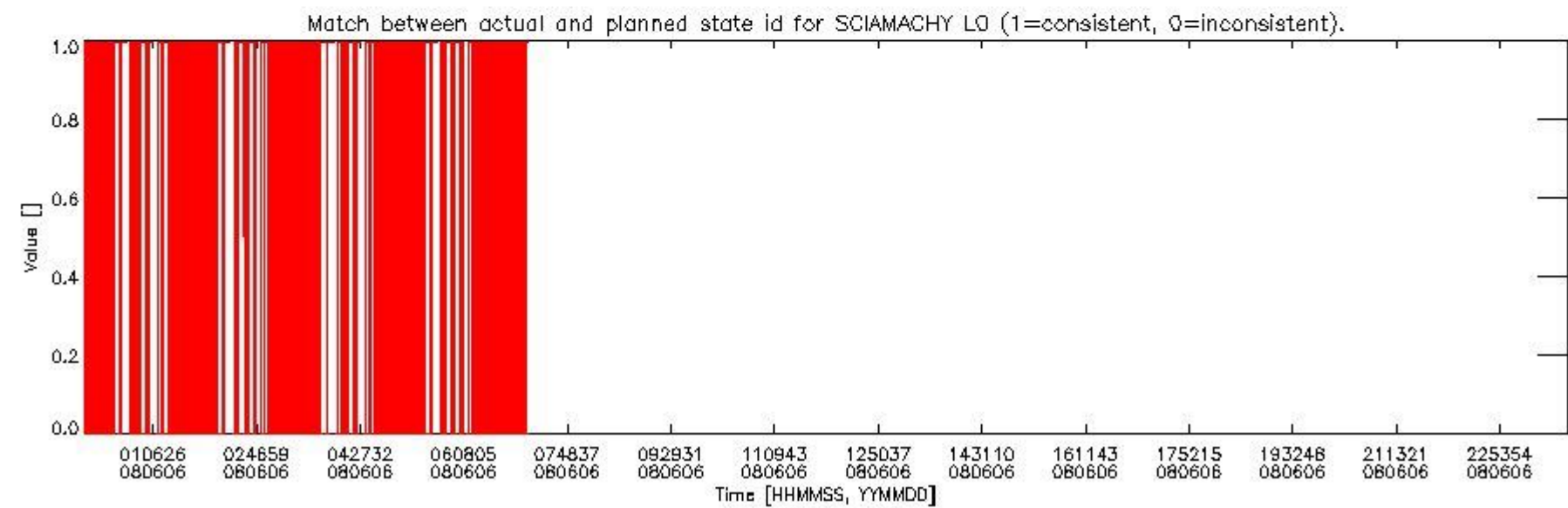
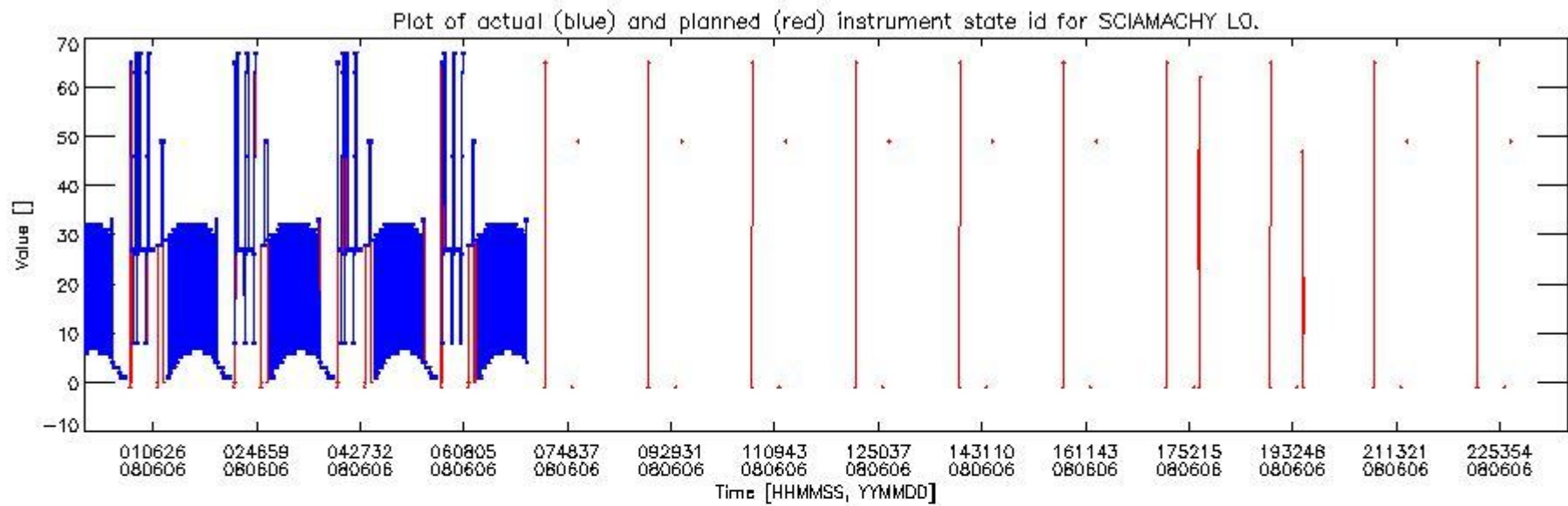


0.3 State monitoring

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: **9374**

#	Actual time	Actual value	Planned time	Planned value
0	06JUN2008 00:00:54.018939	32	06JUN2008 00:00:54.018939	6
1	06JUN2008 00:00:54.643960	32	06JUN2008 00:00:54.643960	6
2	06JUN2008 00:00:55.018933	32	06JUN2008 00:00:55.018933	6
3	06JUN2008 00:00:55.393946	32	06JUN2008 00:00:55.393946	6
4	06JUN2008 00:00:55.956446	32	06JUN2008 00:00:55.956446	6
5	06JUN2008 00:00:56.331459	32	06JUN2008 00:00:56.331459	6
6	06JUN2008 00:00:56.706432	32	06JUN2008 00:00:56.706432	6
7	06JUN2008 00:00:57.081445	32	06JUN2008 00:00:57.081445	6
8	06JUN2008 00:00:57.643944	32	06JUN2008 00:00:57.643944	6
9	06JUN2008 00:00:58.018957	32	06JUN2008 00:00:58.018957	6
10	06JUN2008 00:00:58.393930	32	06JUN2008 00:00:58.393930	6
11	06JUN2008 00:00:58.768943	32	06JUN2008 00:00:58.768943	6
12	06JUN2008 00:00:59.018952	32	06JUN2008 00:00:59.018952	6
13	06JUN2008 00:00:59.331442	32	06JUN2008 00:00:59.331442	6
14	06JUN2008 00:00:59.706455	32	06JUN2008 00:00:59.706455	6
15	06JUN2008 00:01:00.081428	32	06JUN2008 00:01:00.081428	6
16	06JUN2008 00:01:00.456441	32	06JUN2008 00:01:00.456441	6
17	06JUN2008 00:01:01.018941	32	06JUN2008 00:01:01.018941	6
18	06JUN2008 00:01:01.393954	32	06JUN2008 00:01:01.393954	6
19	06JUN2008 00:01:49.890050	6	06JUN2008 00:01:49.890050	32

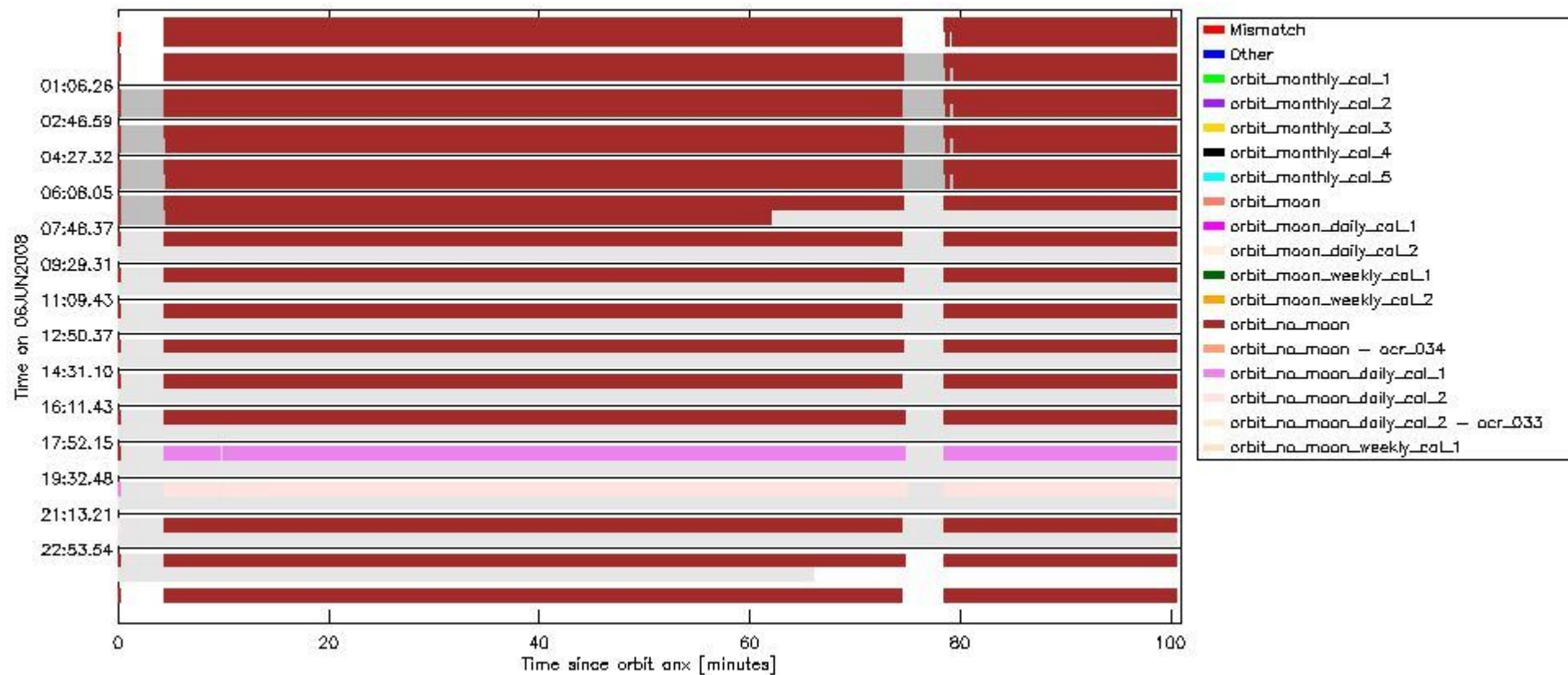


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080606_5.PNG

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 06JUN2008.
 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_20080606_6.PNG

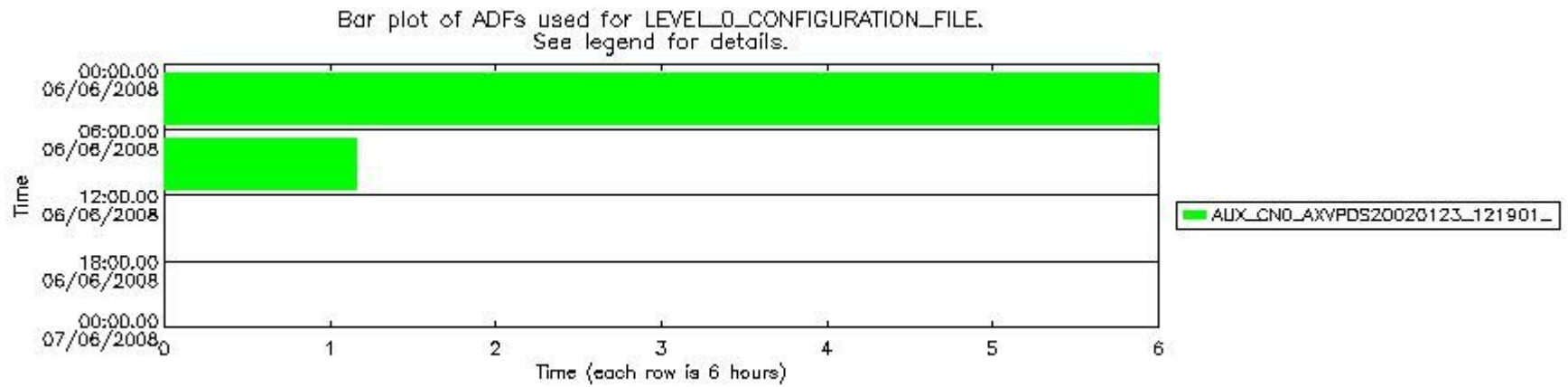
0.4 ADF monitoring

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

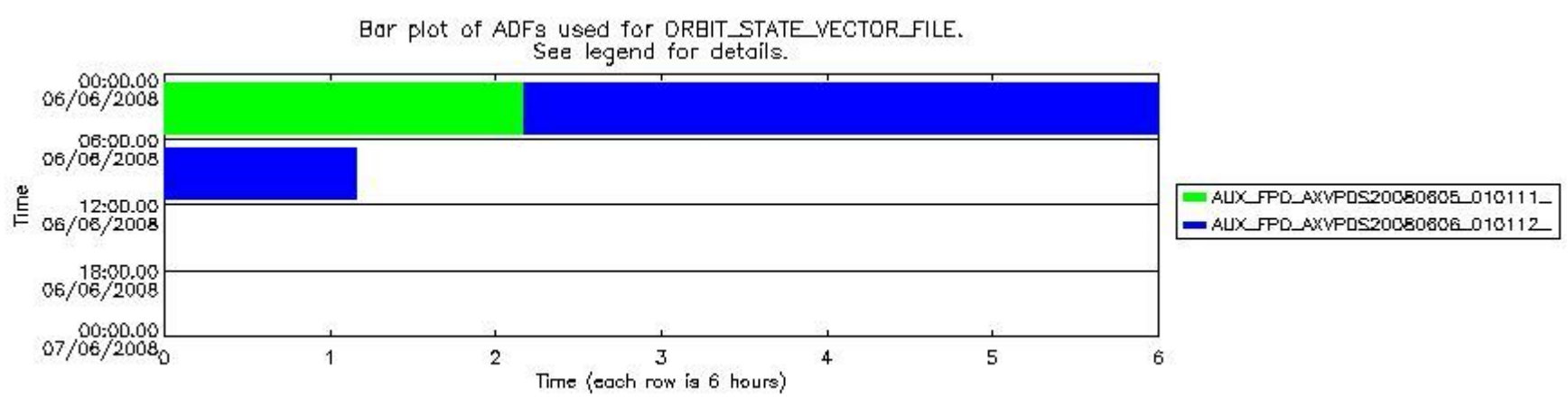
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

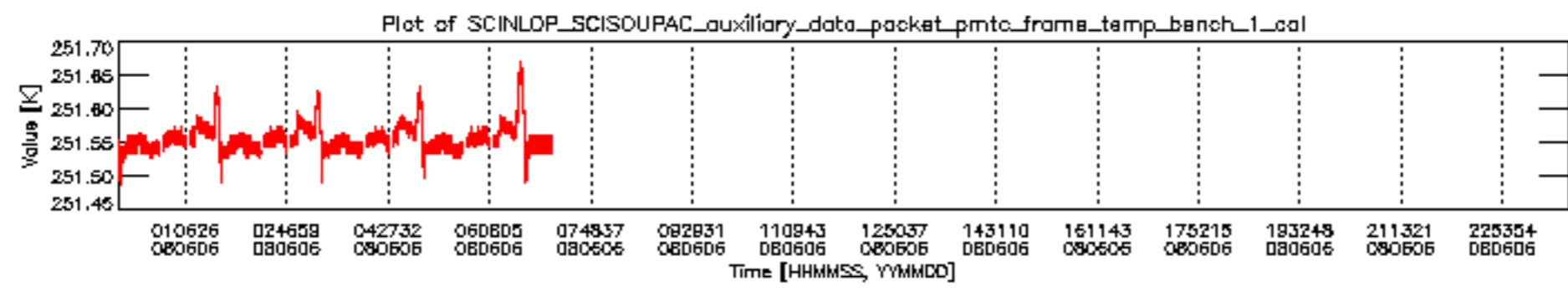
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080605_010111_20080604_185533_20080614_202147
2	AUX_FPO_AXVPDS20080606_010112_20080605_182356_20080615_213046

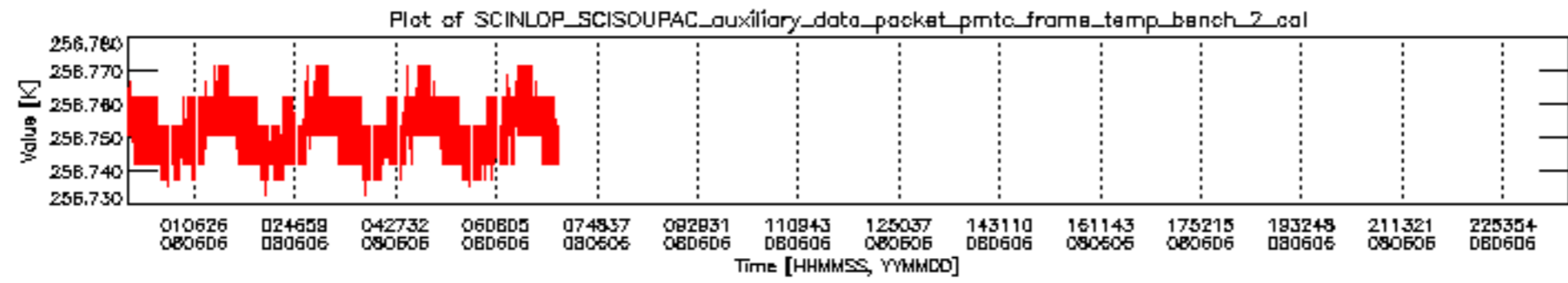


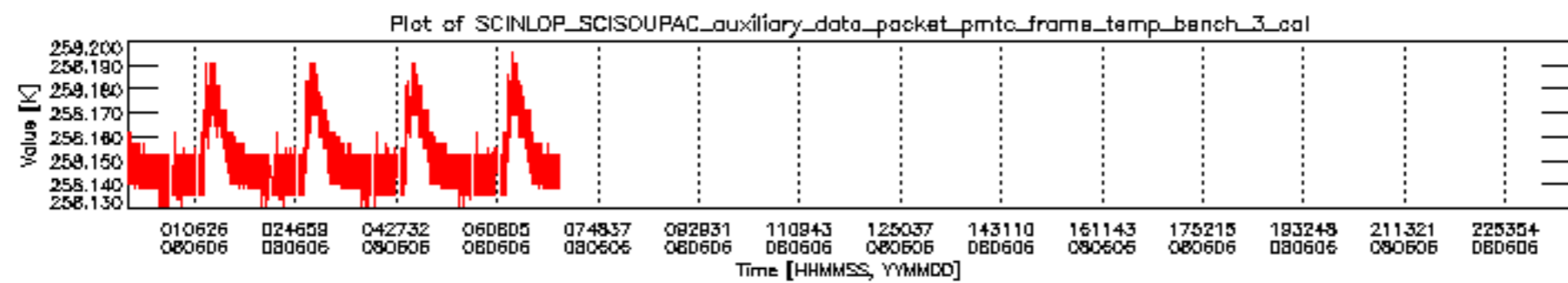
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080606_7.PNG

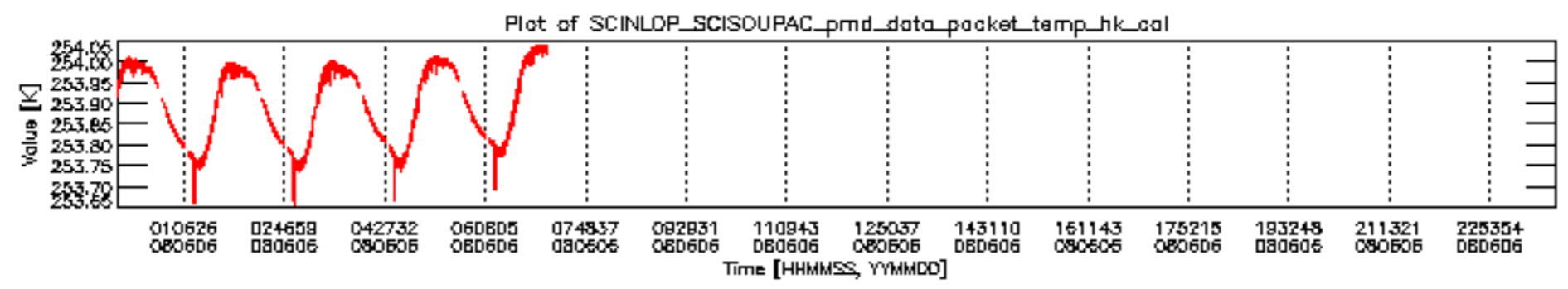


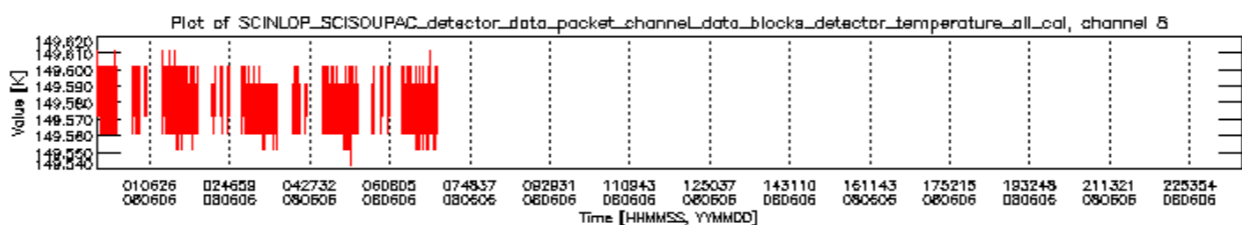
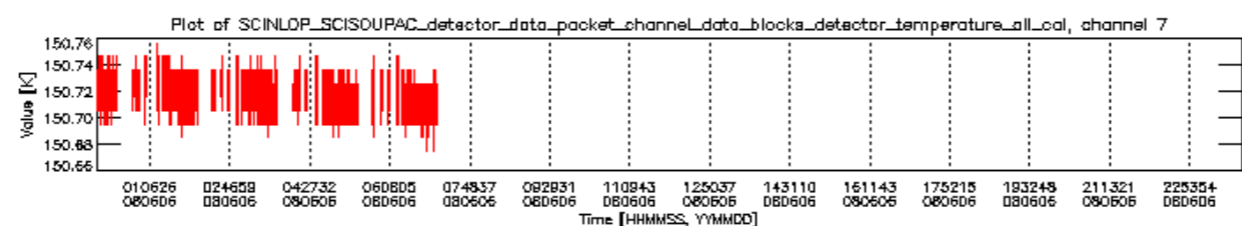
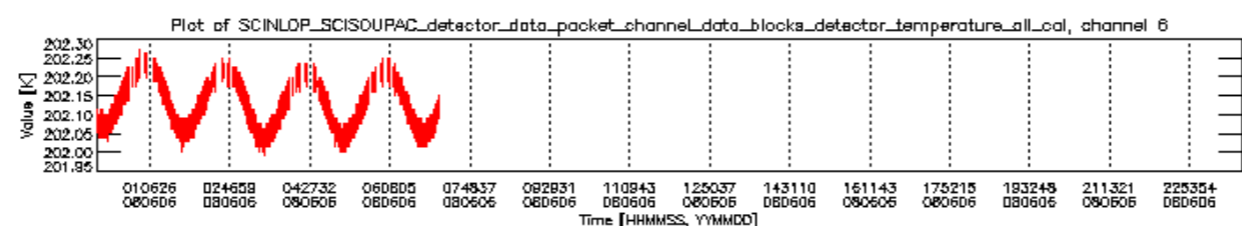
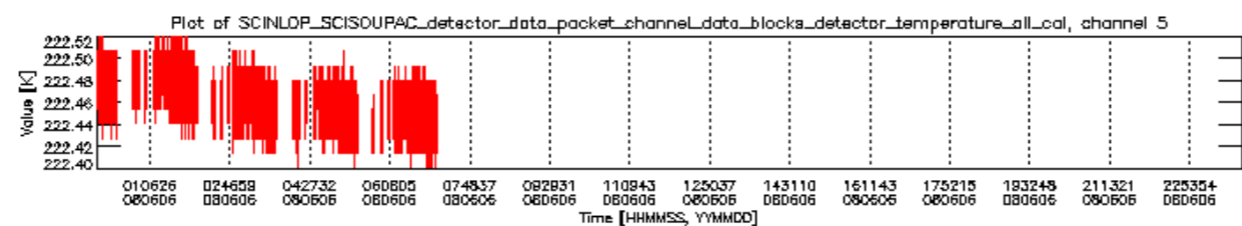
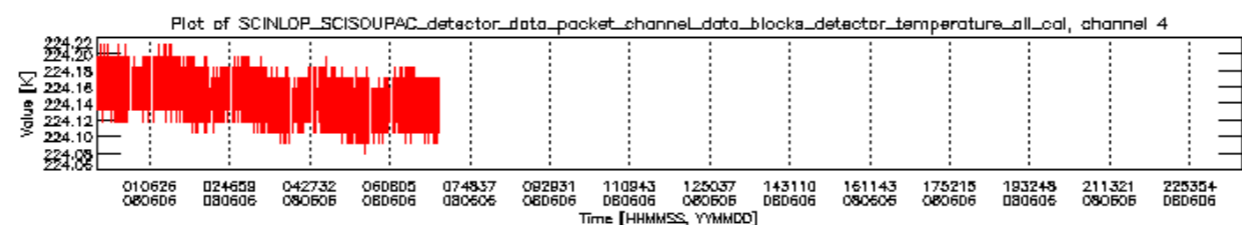
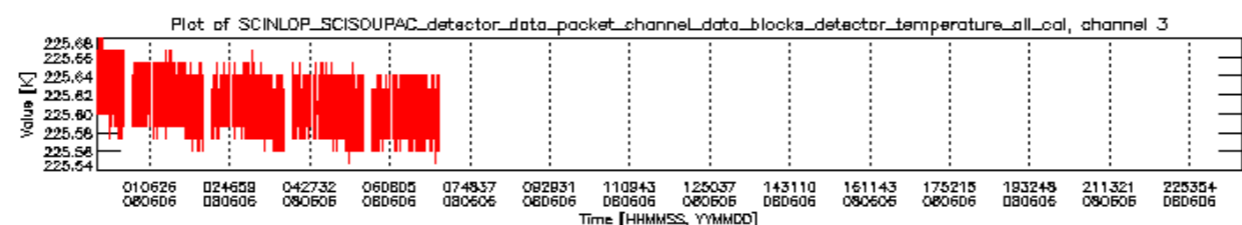
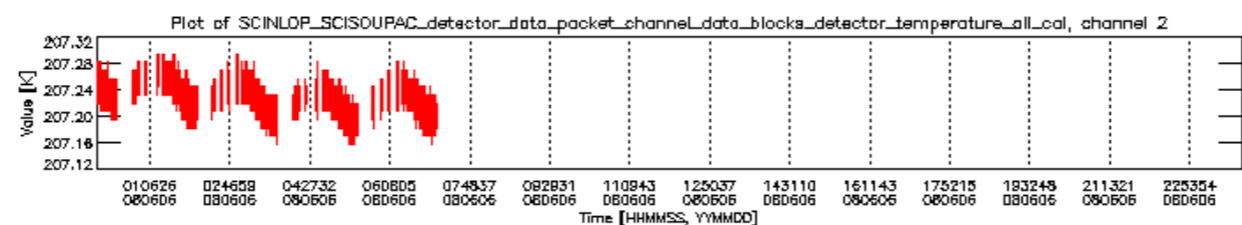
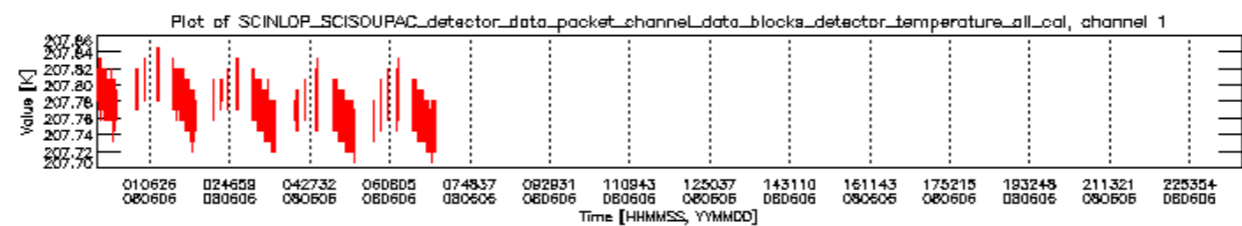
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080606_8.PNG

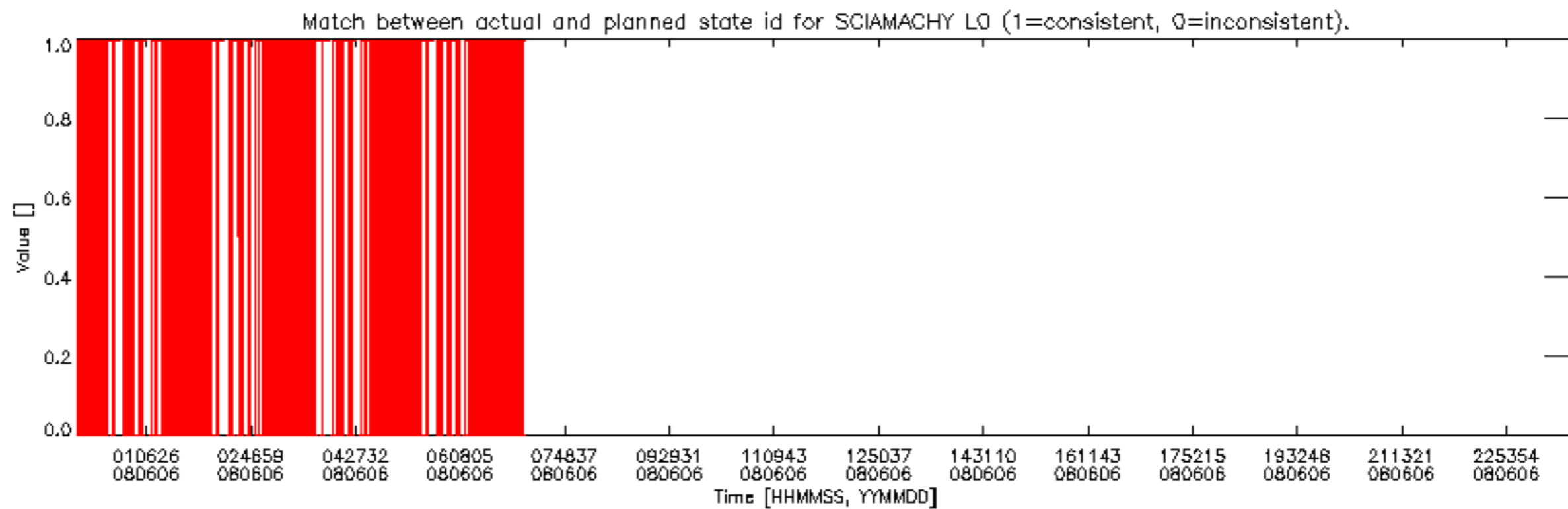
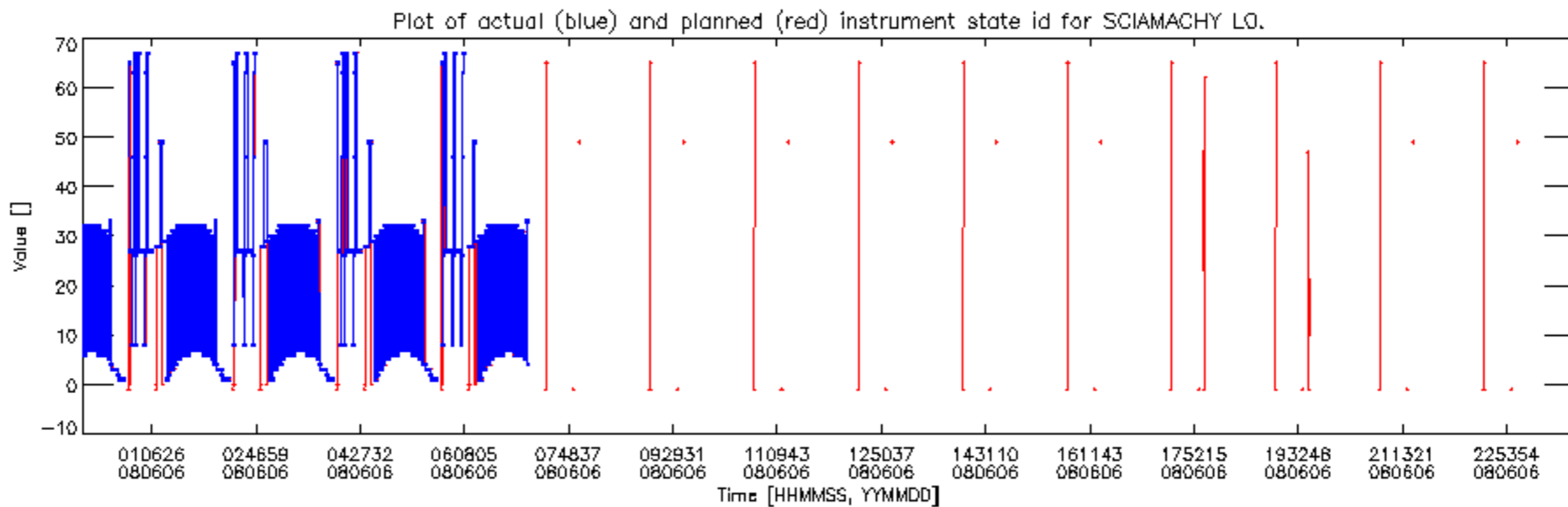












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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