

0. SCIAMACHY Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Product Quality Indicators](#)

[0.3 State monitoring](#)

[0.4 ADF monitoring](#)

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	26JUN2009 05:20:21
Data source version	KSPT_L0/4303-N
Processing scope for products	22JUN2009 00:00:00 to 23JUN2009 00:00:00
Start time of first product within scope	22JUN2009 21:24:59
Stop time of last product within scope	23JUN2009 00:49:07
Total number of level 0 products	2
Number of level 0 products with errors	0

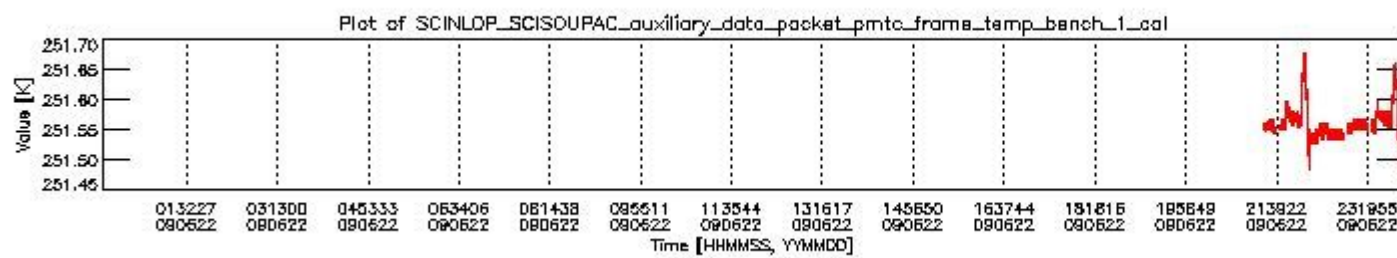
0.1.2 Summary per product

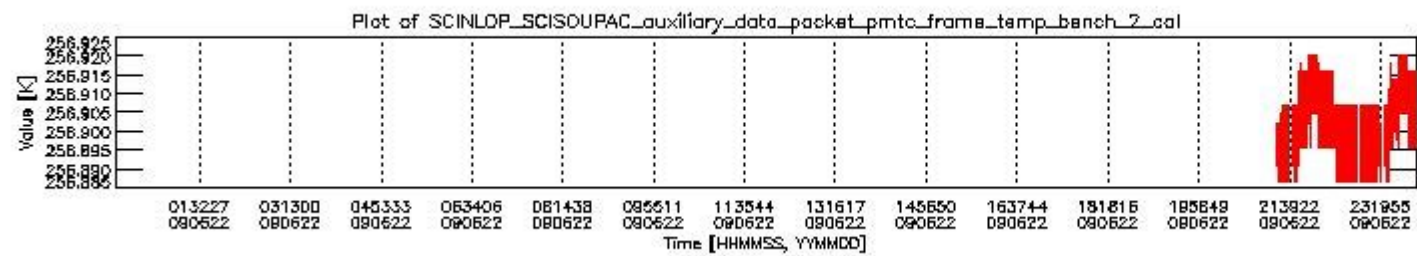
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDE20090622_212459_000062442080_00100_38230_9377.N1	22JUN2009 21:24:59	22JUN2009 23:09:03	0	0	0	0	0
1	SCI_NL__0PNPDE20090622_230819_000060482080_00101_38231_9378.N1	22JUN2009 23:08:19	23JUN2009 00:49:07	0	0	0	0	0

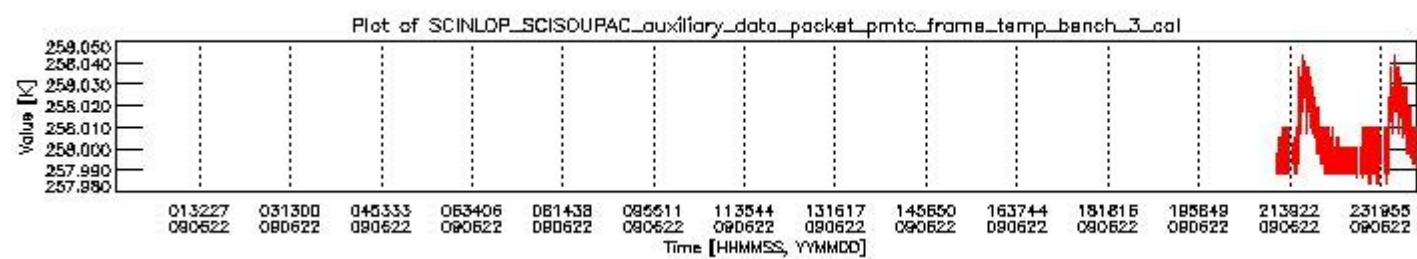
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

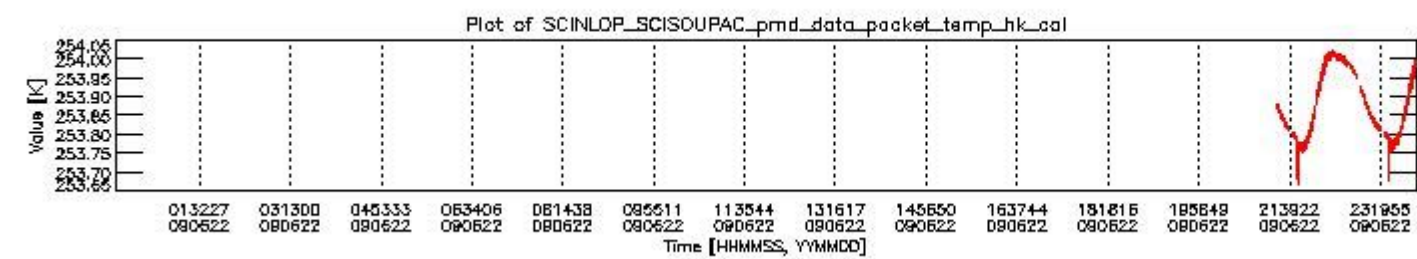




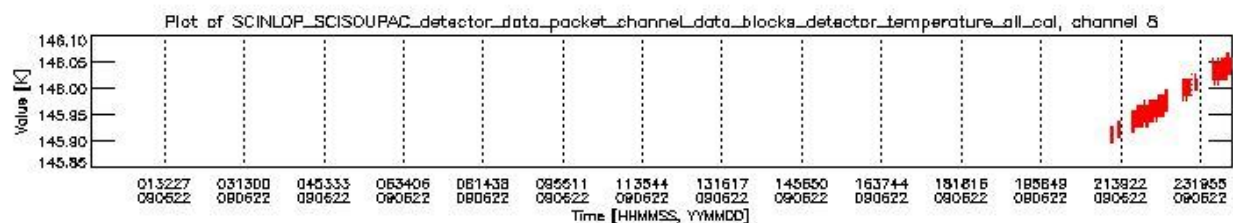
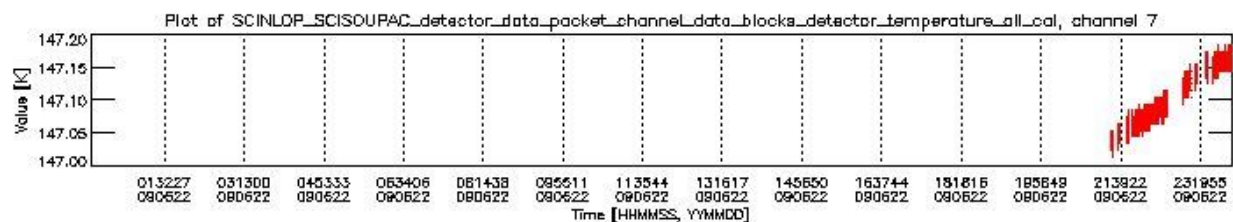
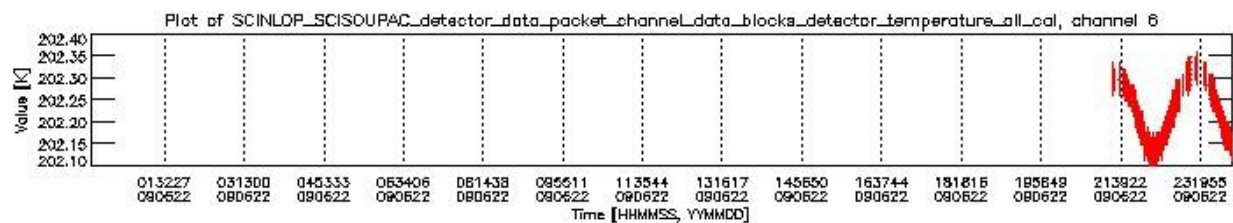
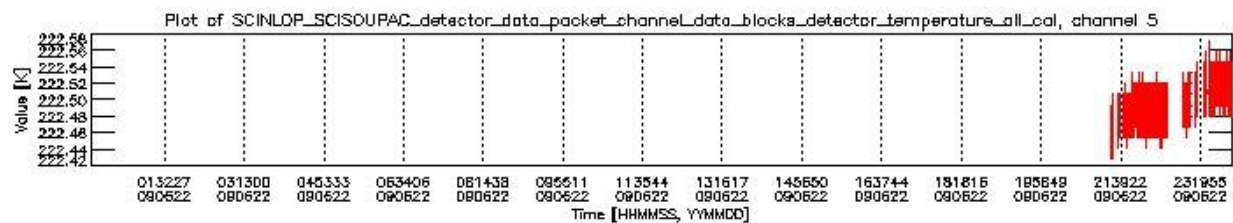
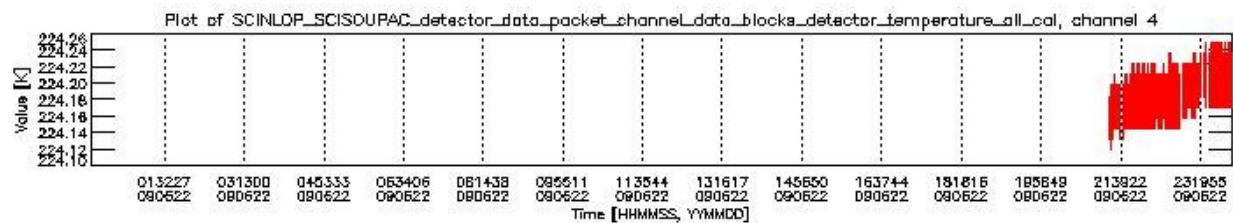
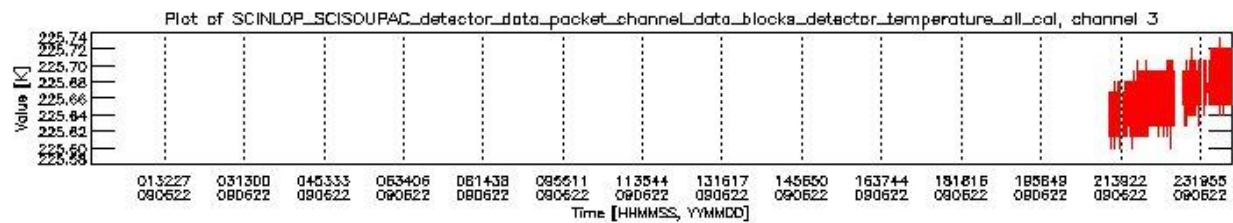
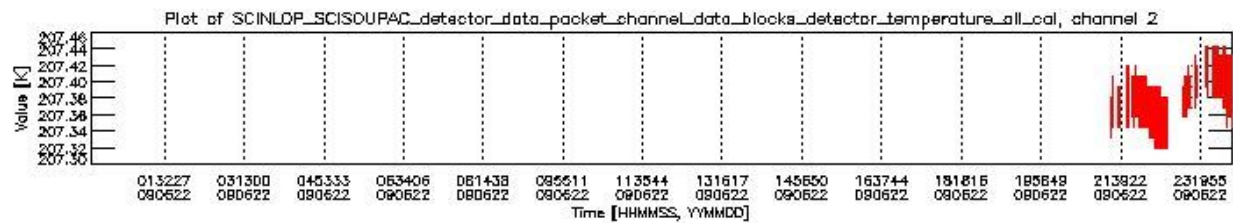
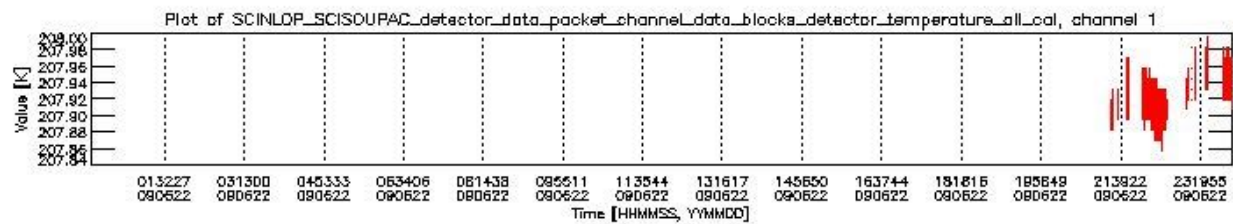
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090622_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090622_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090622_3.PNG

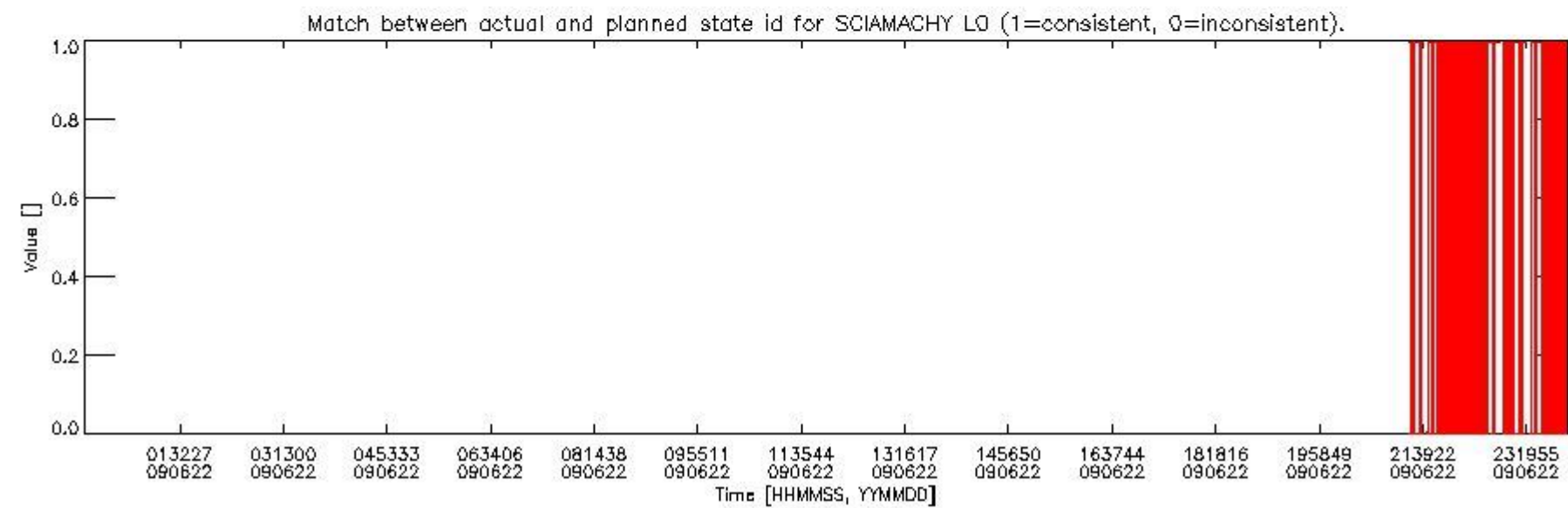
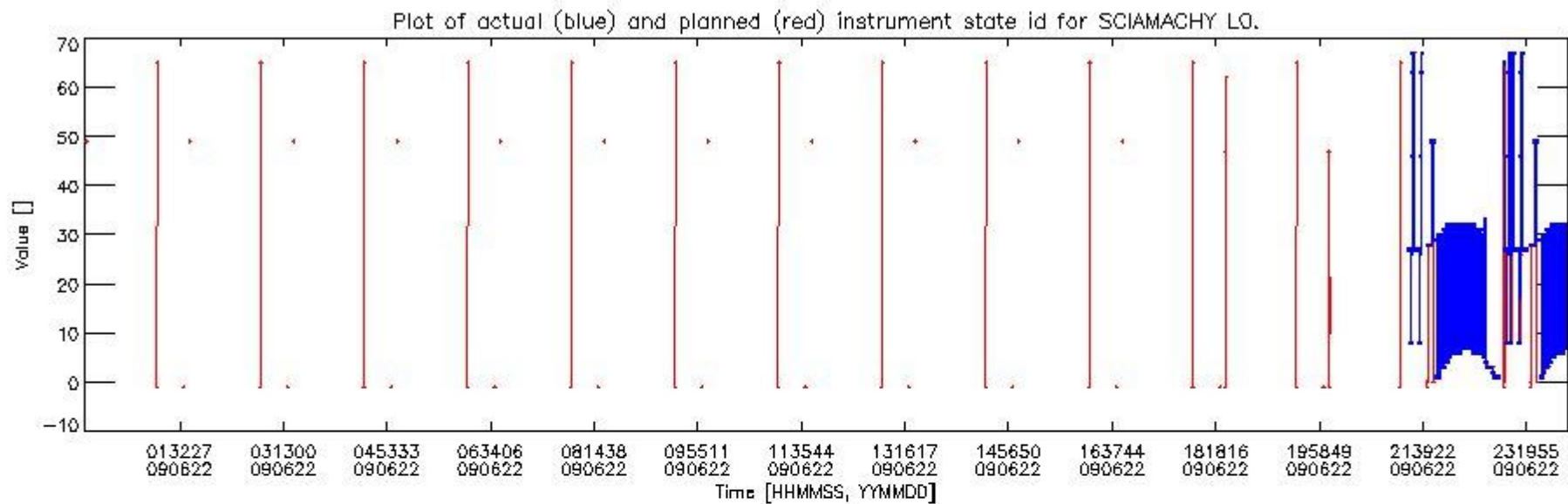


0.3 State monitoring

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: **7167**

#	Actual time	Actual value	Planned time	Planned value
0	22JUN2009 21:27:12.169783	8	22JUN2009 21:27:12.169783	27
1	22JUN2009 21:27:13.294782	8	22JUN2009 21:27:13.294782	27
2	22JUN2009 21:27:14.294817	8	22JUN2009 21:27:14.294817	27
3	22JUN2009 21:27:15.294811	8	22JUN2009 21:27:15.294811	27
4	22JUN2009 21:27:16.294806	8	22JUN2009 21:27:16.294806	27
5	22JUN2009 21:27:17.169796	8	22JUN2009 21:27:17.169796	27
6	22JUN2009 21:27:17.294801	8	22JUN2009 21:27:17.294801	27
7	22JUN2009 21:27:18.294795	8	22JUN2009 21:27:18.294795	27
8	22JUN2009 21:27:19.294790	8	22JUN2009 21:27:19.294790	27
9	22JUN2009 21:27:20.294784	8	22JUN2009 21:27:20.294784	27
10	22JUN2009 21:27:55.724486	26	22JUN2009 21:27:55.724486	8
11	22JUN2009 21:27:56.349507	26	22JUN2009 21:27:56.349507	8
12	22JUN2009 21:27:56.849484	26	22JUN2009 21:27:56.849484	8
13	22JUN2009 21:27:57.349502	26	22JUN2009 21:27:57.349502	8
14	22JUN2009 21:27:57.849479	26	22JUN2009 21:27:57.849479	8
15	22JUN2009 21:27:58.349496	26	22JUN2009 21:27:58.349496	8
16	22JUN2009 21:27:58.849474	26	22JUN2009 21:27:58.849474	8
17	22JUN2009 21:27:59.349491	26	22JUN2009 21:27:59.349491	8
18	22JUN2009 21:27:59.849508	26	22JUN2009 21:27:59.849508	8
19	22JUN2009 21:28:00.349486	26	22JUN2009 21:28:00.349486	8

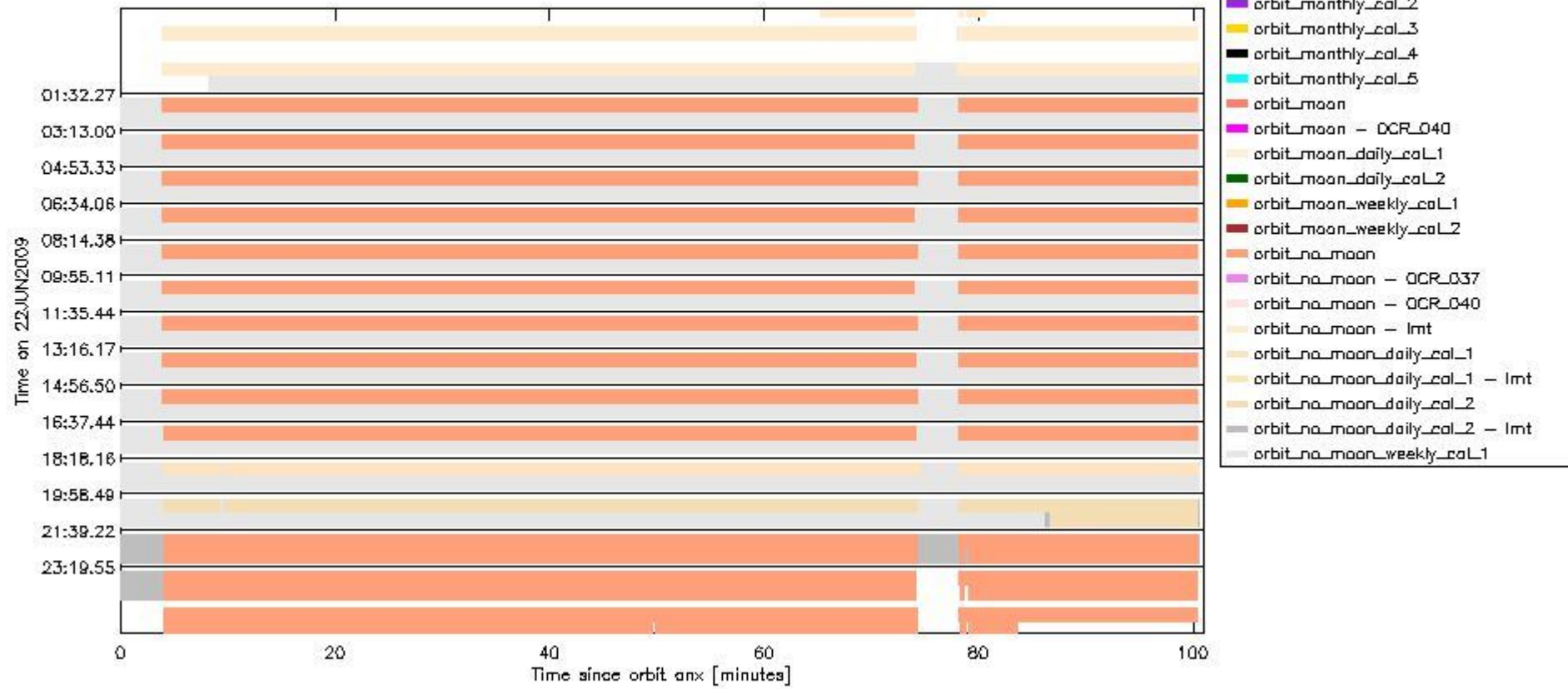


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090622_5.PNG

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 22JUN2009.
 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_20090622_6.PNG

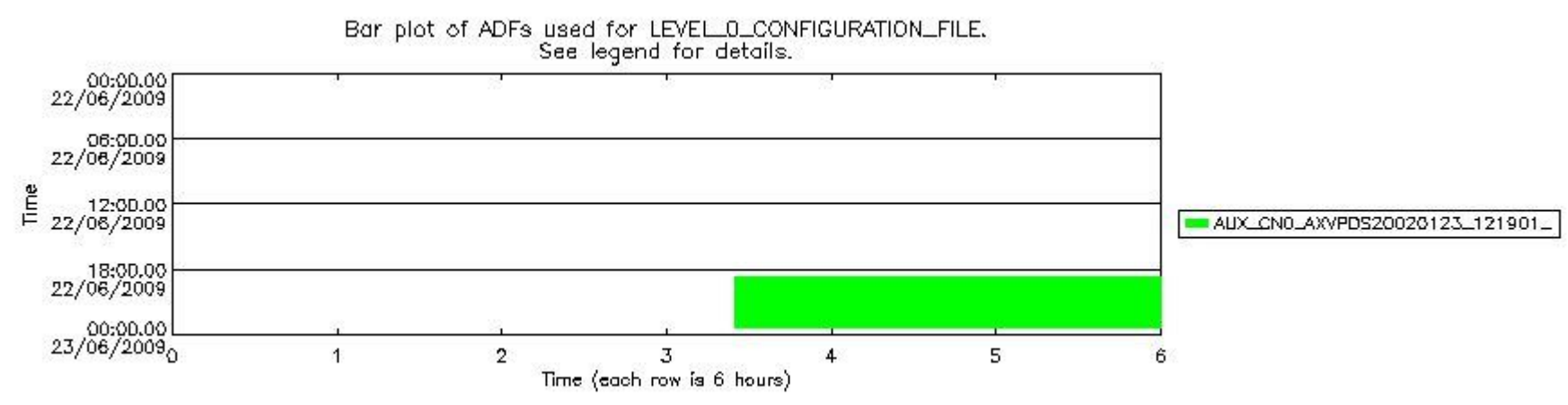
0.4 ADF monitoring

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

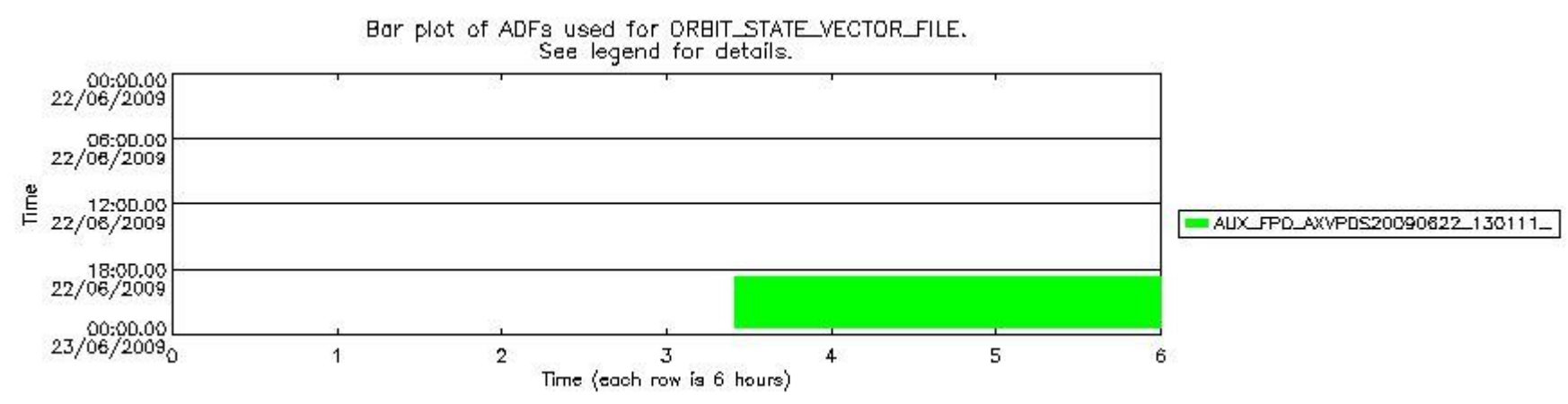
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

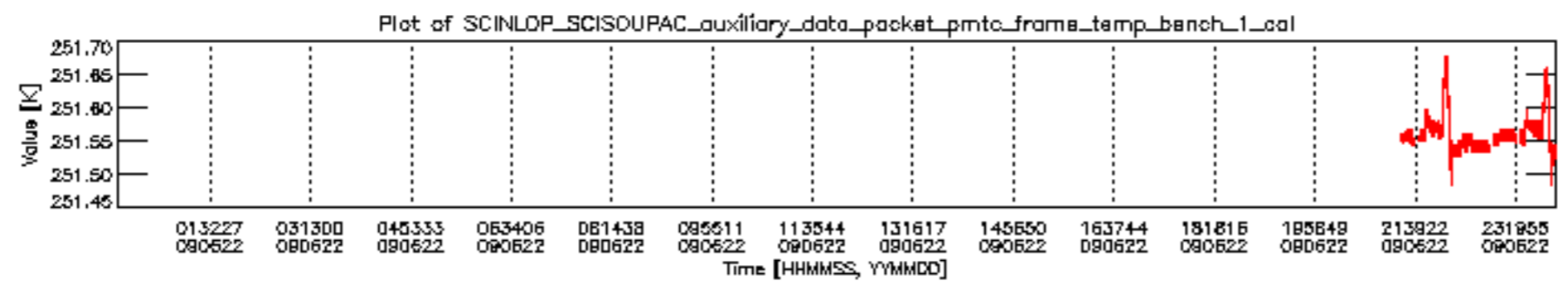
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090622_130111_20090621_184948_20090701_201601

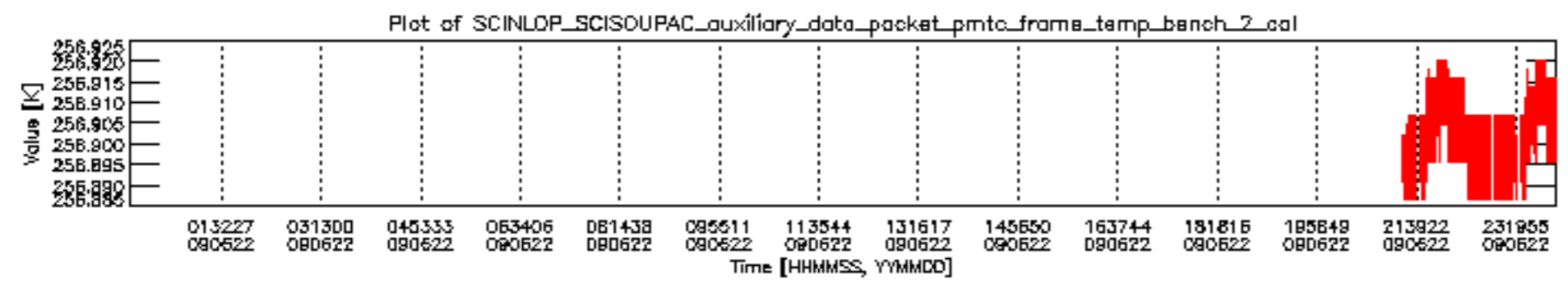


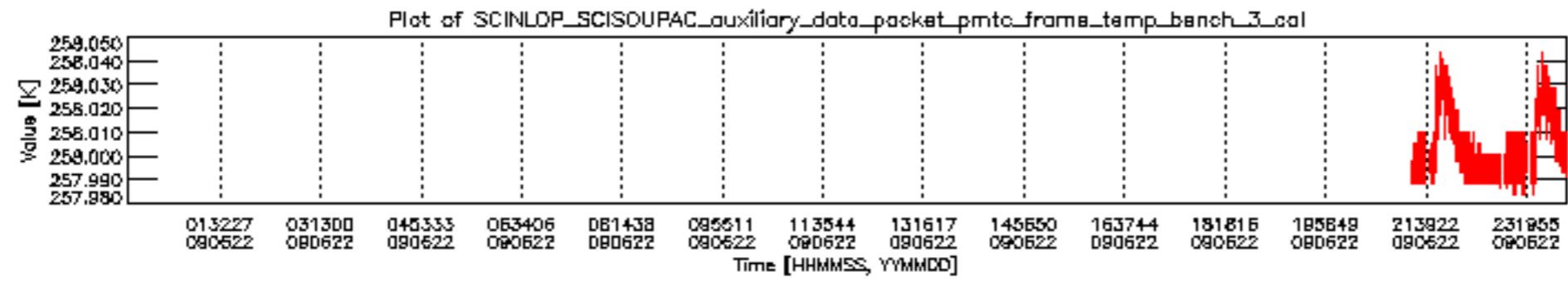
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090622_7.PNG

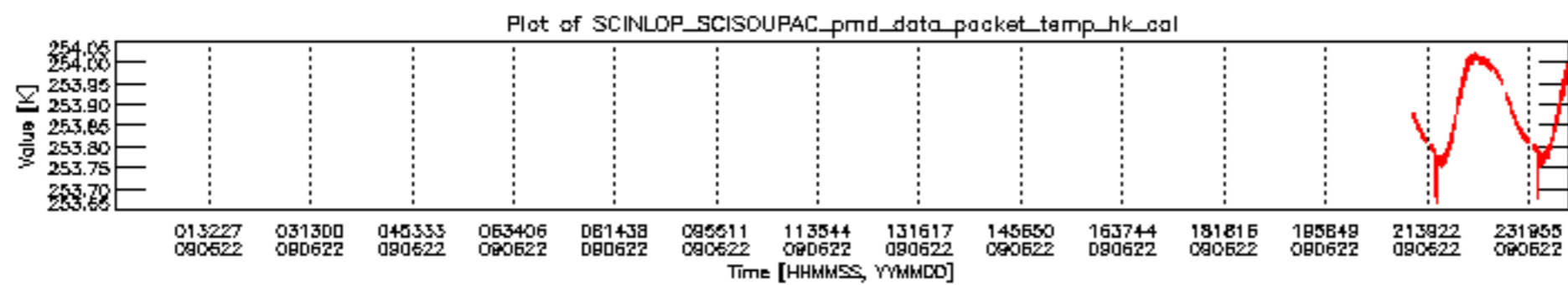


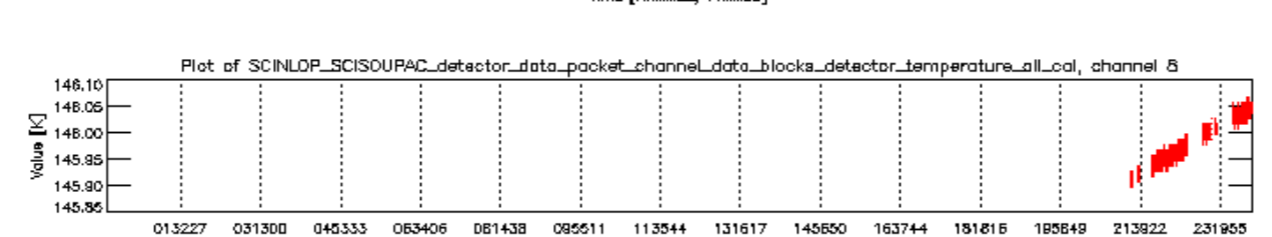
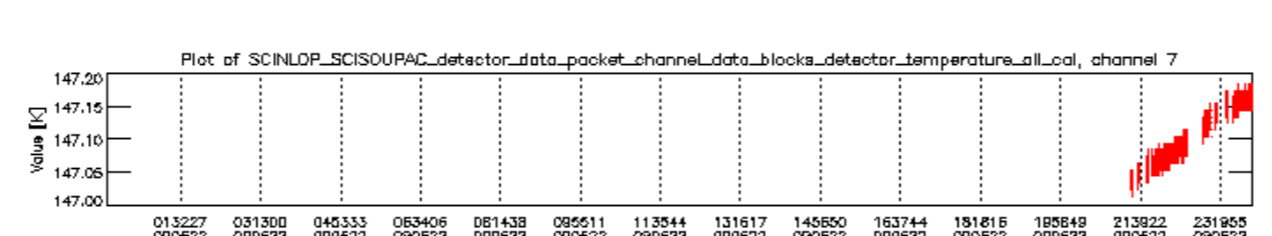
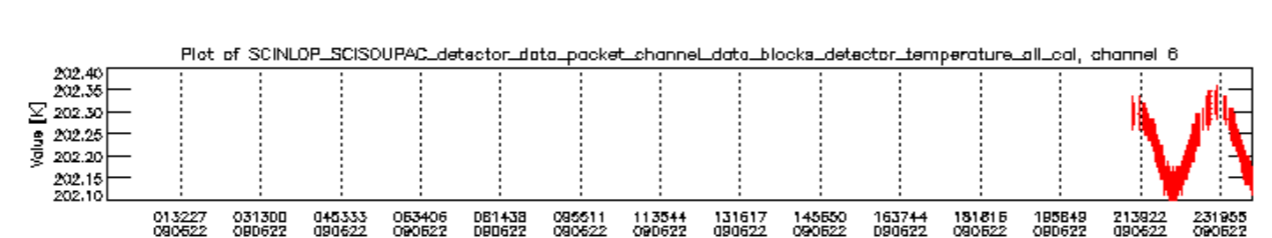
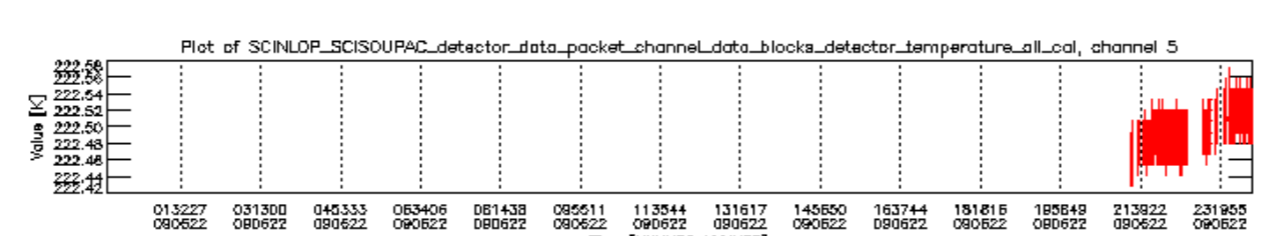
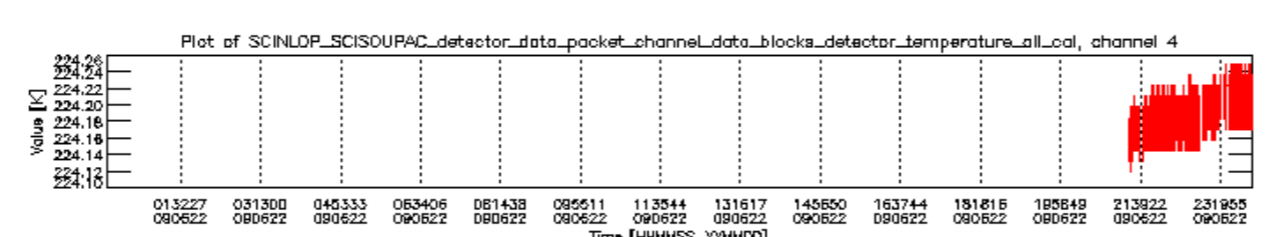
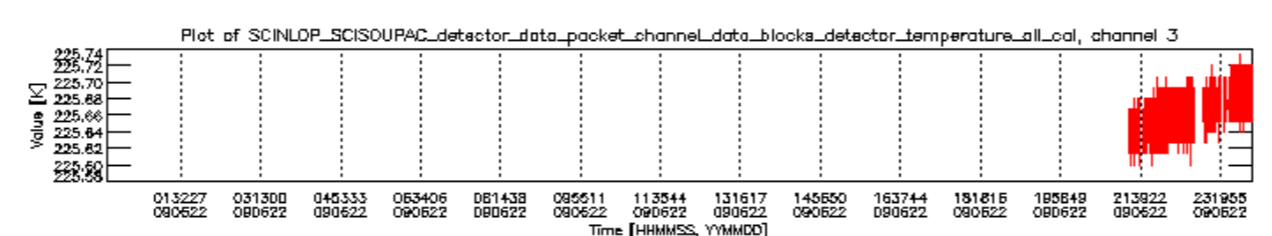
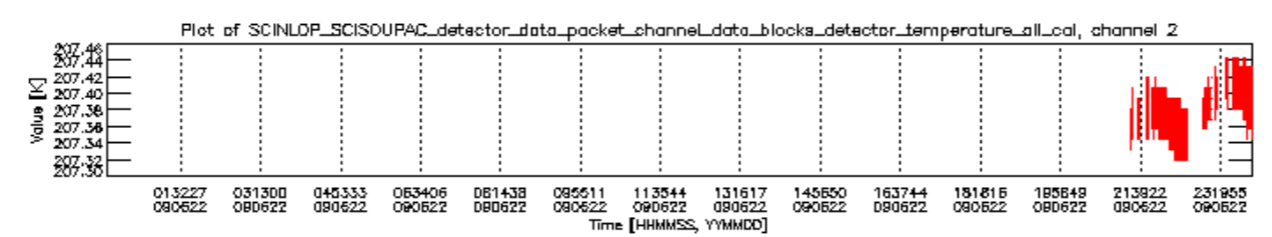
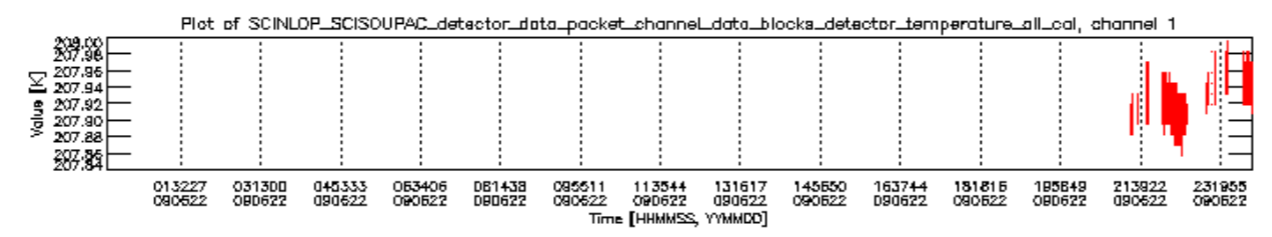
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090622_8.PNG

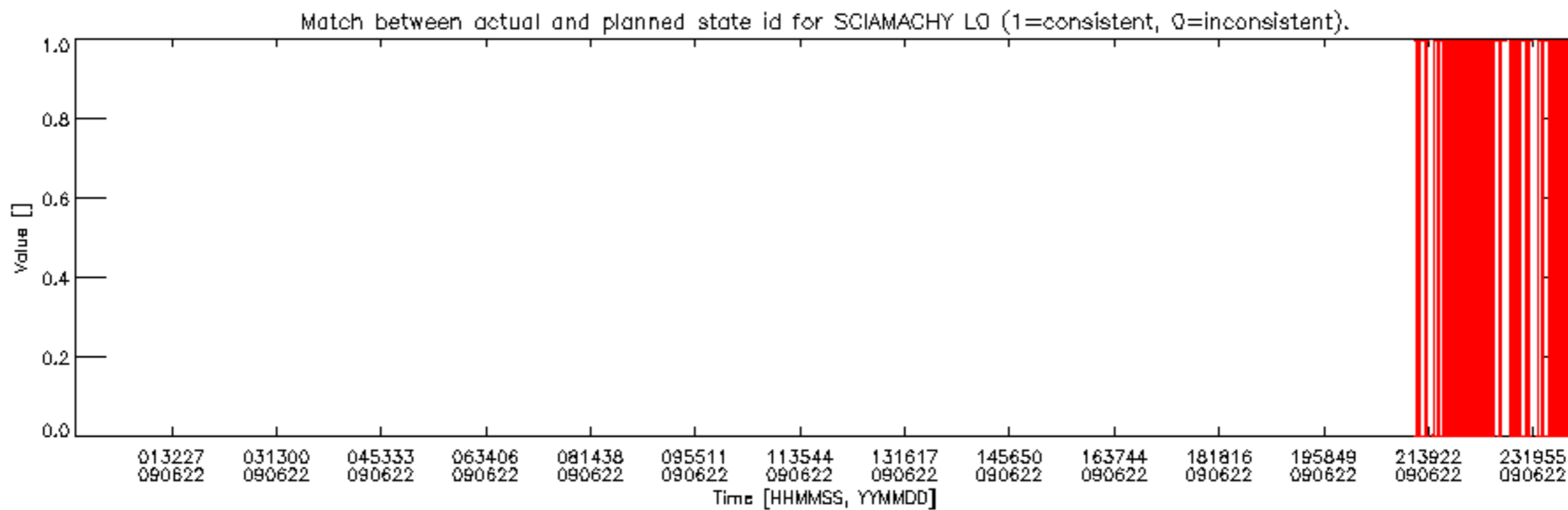
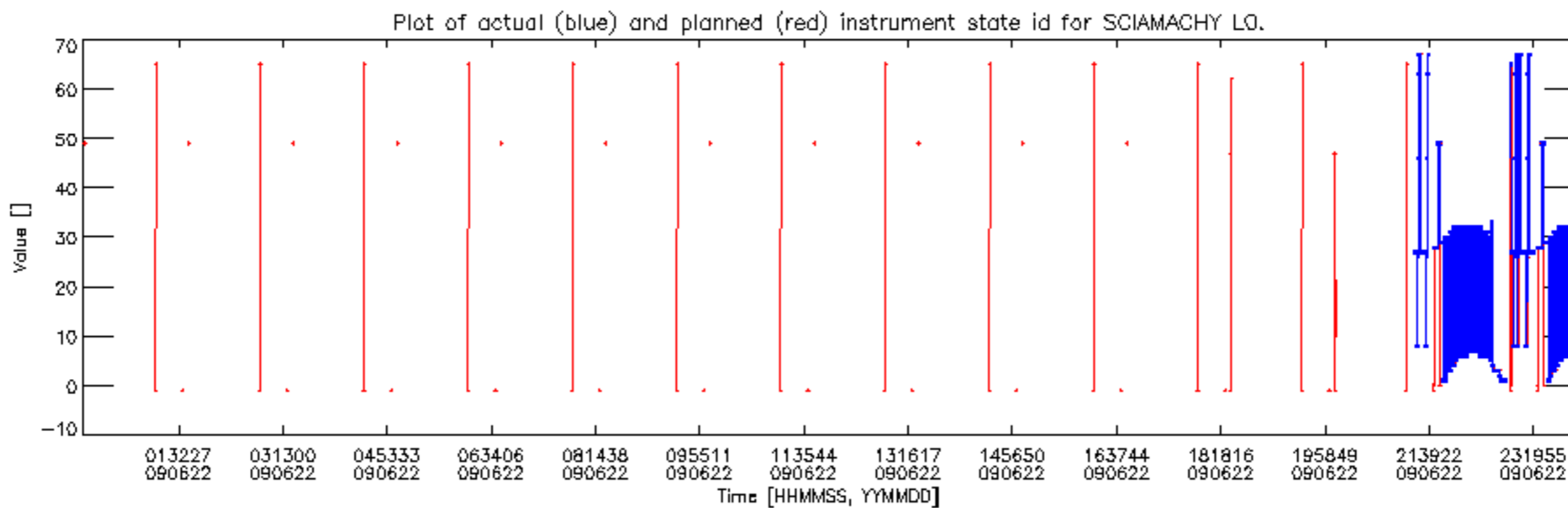












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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