

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	27AUG2008 05:03:59
Data source version	KSPT_L0/4303-N
Processing scope for products	23AUG2008 00:00:00 to 24AUG2008 00:00:00
Start time of first product within scope	23AUG2008 15:40:07
Stop time of last product within scope	24AUG2008 01:10:58
Total number of level 0 products	6
Number of level 0 products with errors	0

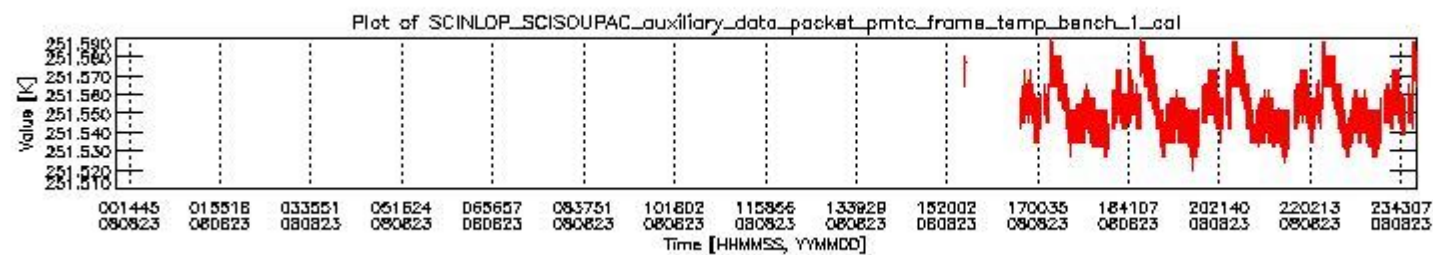
0.1.2 Summary per product

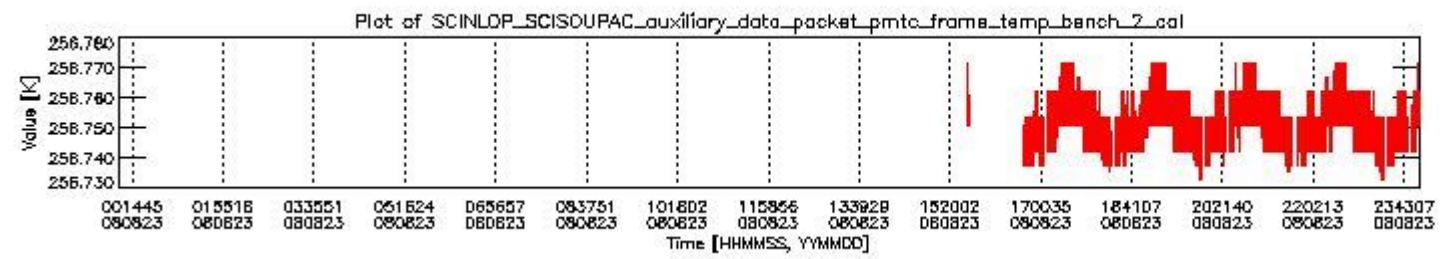
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20080823_154007_000059052071_00269_33890_9106.N1	23AUG2008 15:40:07	23AUG2008 17:18:32	0	0	0	0	0
1	SCI_NL__0PNPDK20080823_171737_000060052071_00270_33891_9107.N1	23AUG2008 17:17:37	23AUG2008 18:57:42	0	0	0	0	0
2	SCI_NL__0PNPDK20080823_185550_000060732071_00271_33892_9108.N1	23AUG2008 18:55:50	23AUG2008 20:37:03	0	0	0	0	0
3	SCI_NL__0PNPDE20080823_203511_000045182071_00272_33893_7365.N1	23AUG2008 20:35:11	23AUG2008 21:50:30	0	0	0	0	0
4	SCI_NL__0PNPDE20080823_214901_000061242071_00272_33893_7366.N1	23AUG2008 21:49:01	23AUG2008 23:31:06	0	0	0	0	0
5	SCI_NL__0PNPDE20080823_232942_000060762071_00273_33894_7367.N1	23AUG2008 23:29:42	24AUG2008 01:10:58	0	0	0	0	0

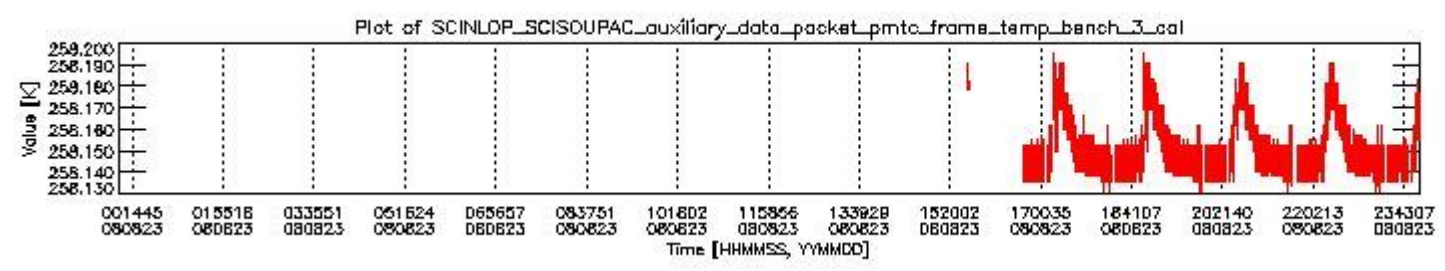
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

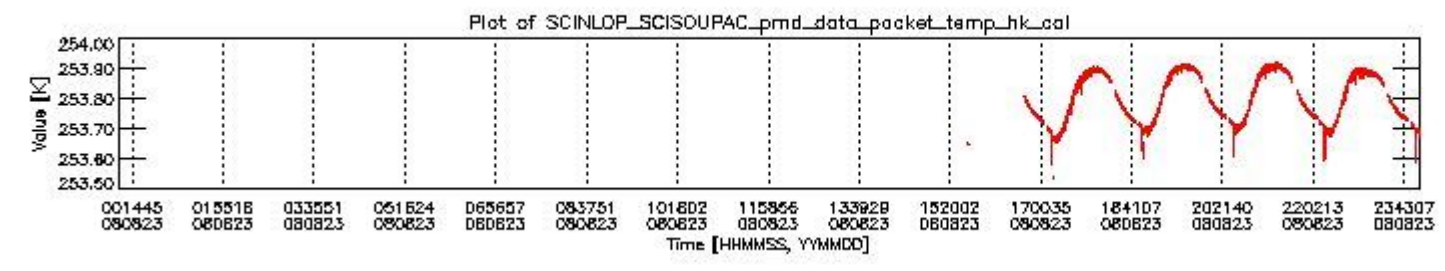




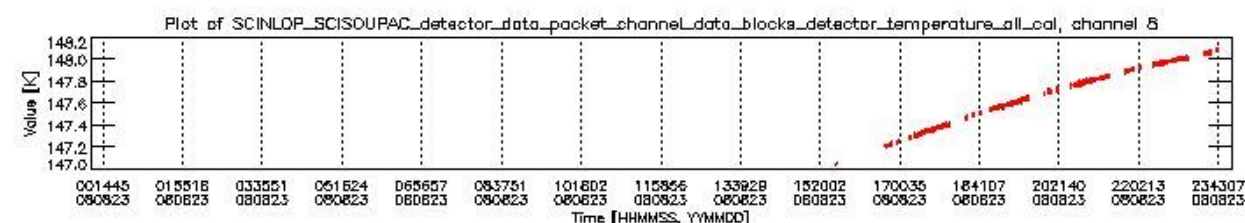
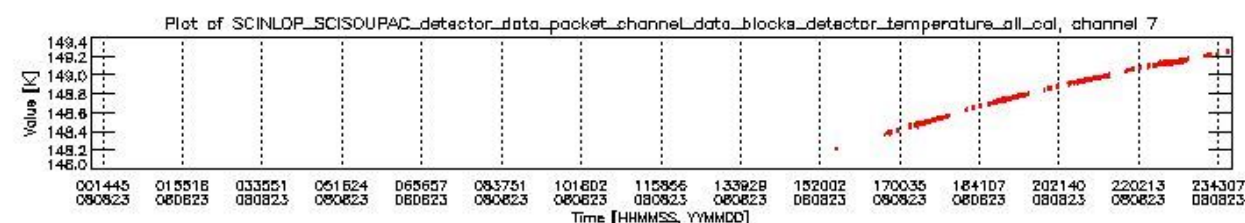
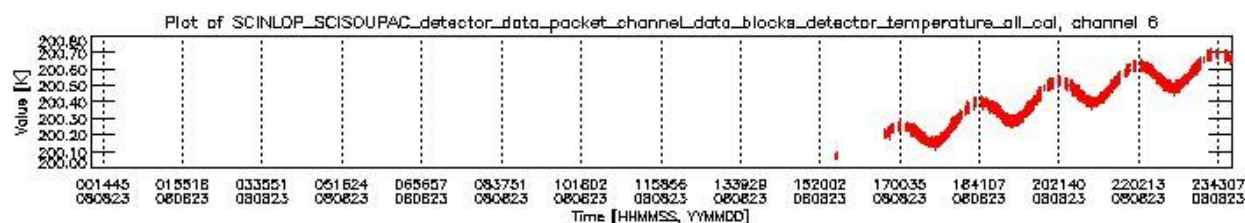
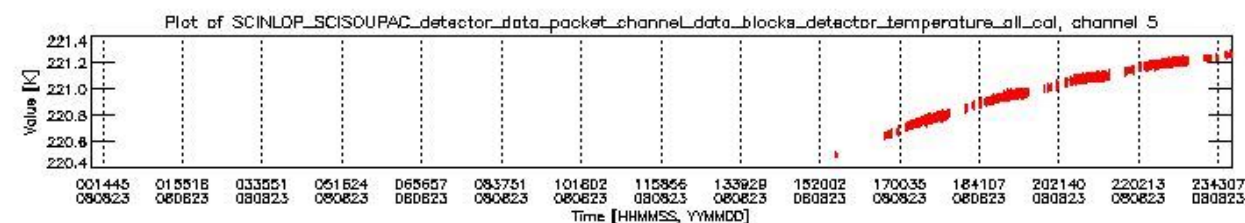
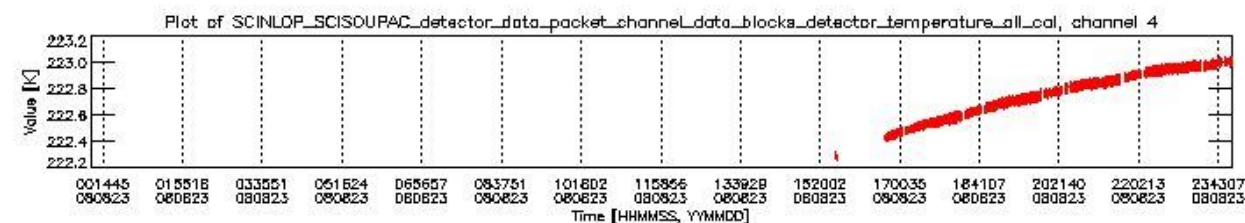
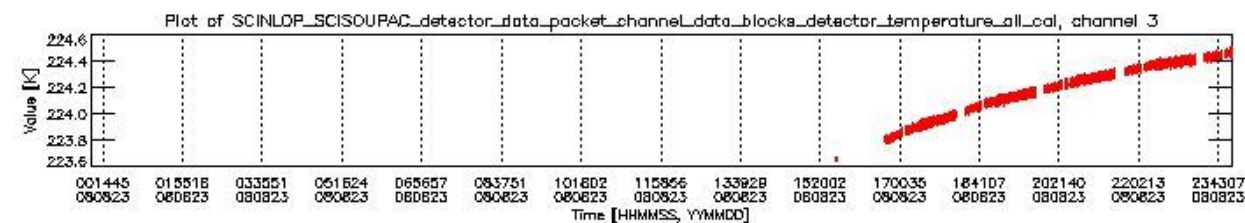
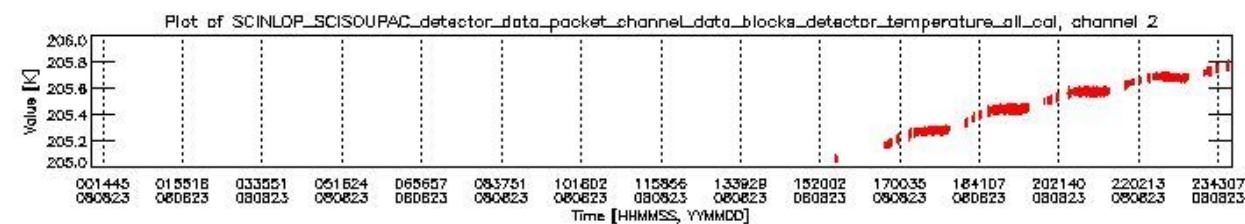
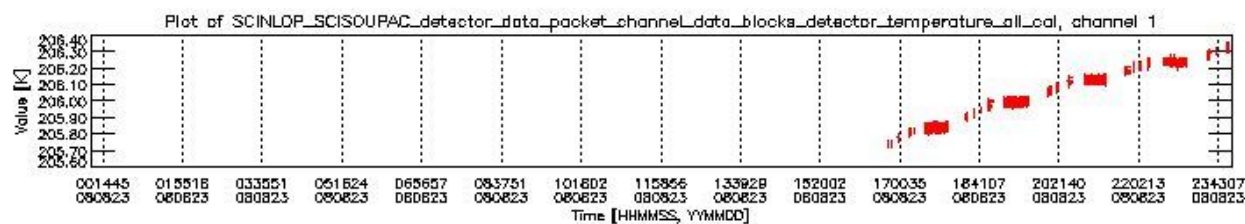
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080823_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080823_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080823_3.PNG

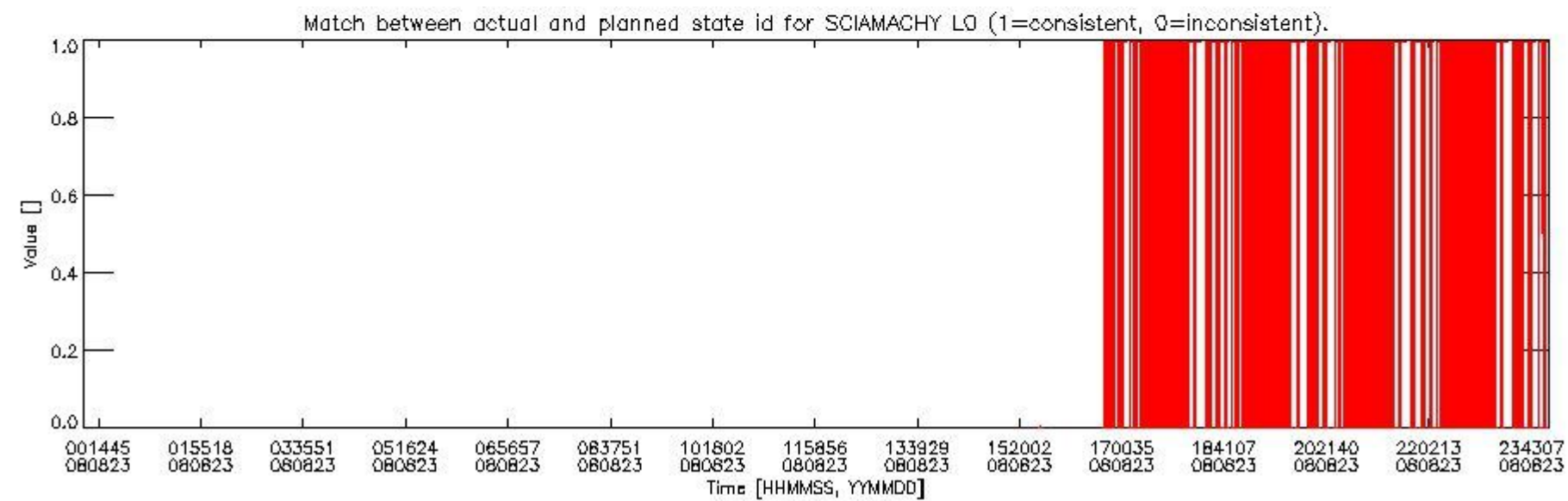
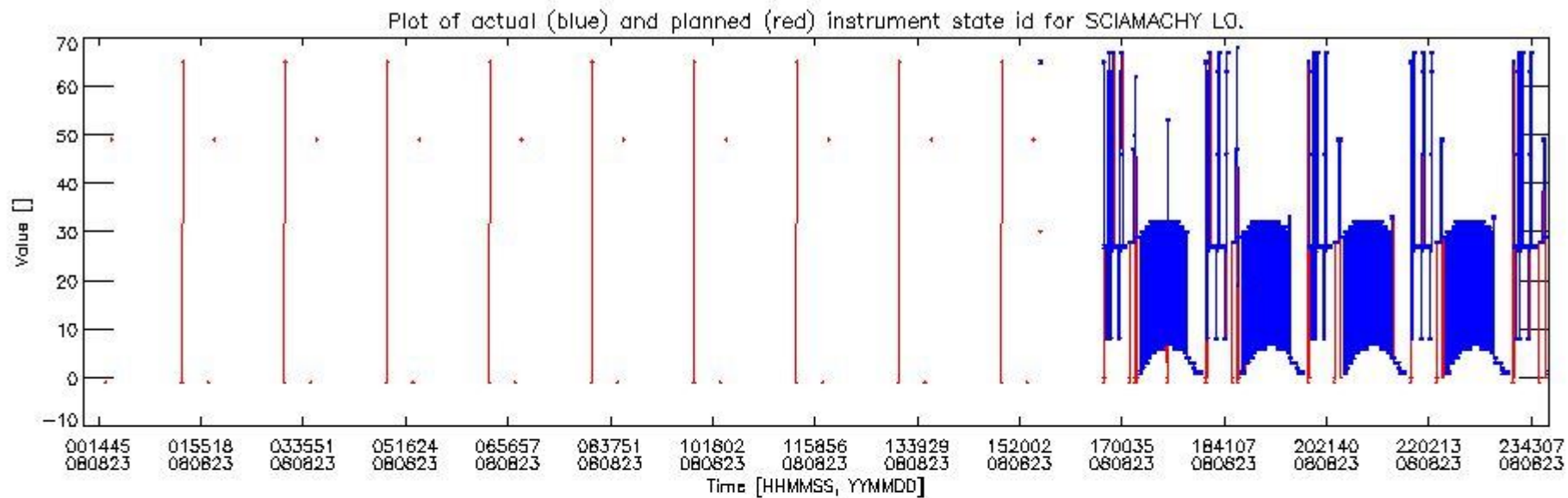


0.3 State monitoring

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: **15901**

#	Actual time	Actual value	Planned time	Planned value
0	23AUG2008 15:40:07.443631	65	23AUG2008 15:40:07.443631	30
1	23AUG2008 15:40:08.568630	65	23AUG2008 15:40:08.568630	30
2	23AUG2008 15:40:09.068607	65	23AUG2008 15:40:09.068607	30
3	23AUG2008 15:40:09.568624	65	23AUG2008 15:40:09.568624	30
4	23AUG2008 15:40:10.068601	65	23AUG2008 15:40:10.068601	30
5	23AUG2008 15:40:10.568619	65	23AUG2008 15:40:10.568619	30
6	23AUG2008 15:40:11.068636	65	23AUG2008 15:40:11.068636	30
7	23AUG2008 15:40:11.568613	65	23AUG2008 15:40:11.568613	30
8	23AUG2008 15:40:12.068631	65	23AUG2008 15:40:12.068631	30
9	23AUG2008 15:40:12.443604	65	23AUG2008 15:40:12.443604	30
10	23AUG2008 15:40:12.568608	65	23AUG2008 15:40:12.568608	30
11	23AUG2008 15:40:13.068625	65	23AUG2008 15:40:13.068625	30
12	23AUG2008 15:40:13.568603	65	23AUG2008 15:40:13.568603	30
13	23AUG2008 15:40:14.068620	65	23AUG2008 15:40:14.068620	30
14	23AUG2008 15:40:14.568597	65	23AUG2008 15:40:14.568597	30
15	23AUG2008 15:40:15.068614	65	23AUG2008 15:40:15.068614	30
16	23AUG2008 15:40:15.568632	65	23AUG2008 15:40:15.568632	30
17	23AUG2008 15:40:16.068609	65	23AUG2008 15:40:16.068609	30
18	23AUG2008 15:40:16.568626	65	23AUG2008 15:40:16.568626	30
19	23AUG2008 15:40:17.068604	65	23AUG2008 15:40:17.068604	30

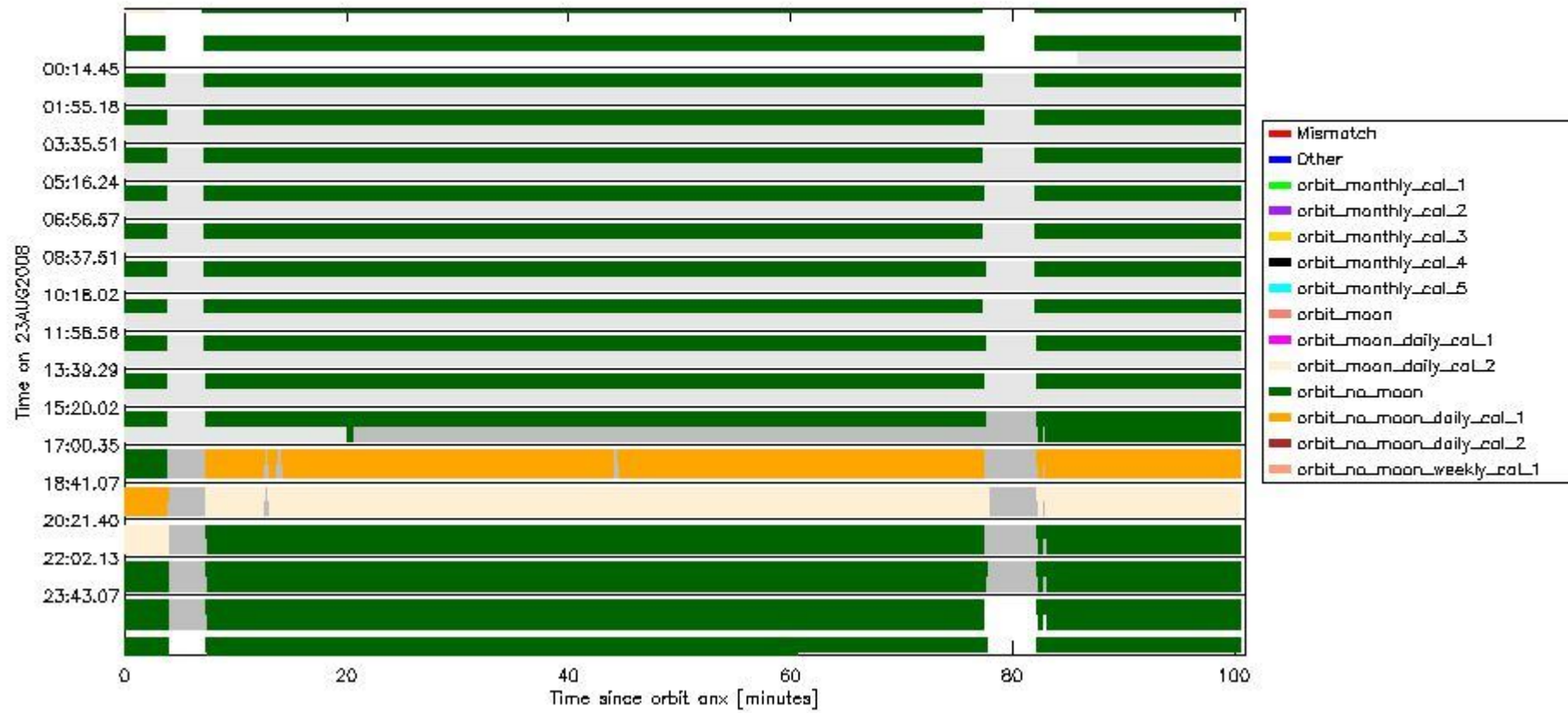


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080823_5.PNG

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 23AUG2008.
 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_20080823_6.PNG

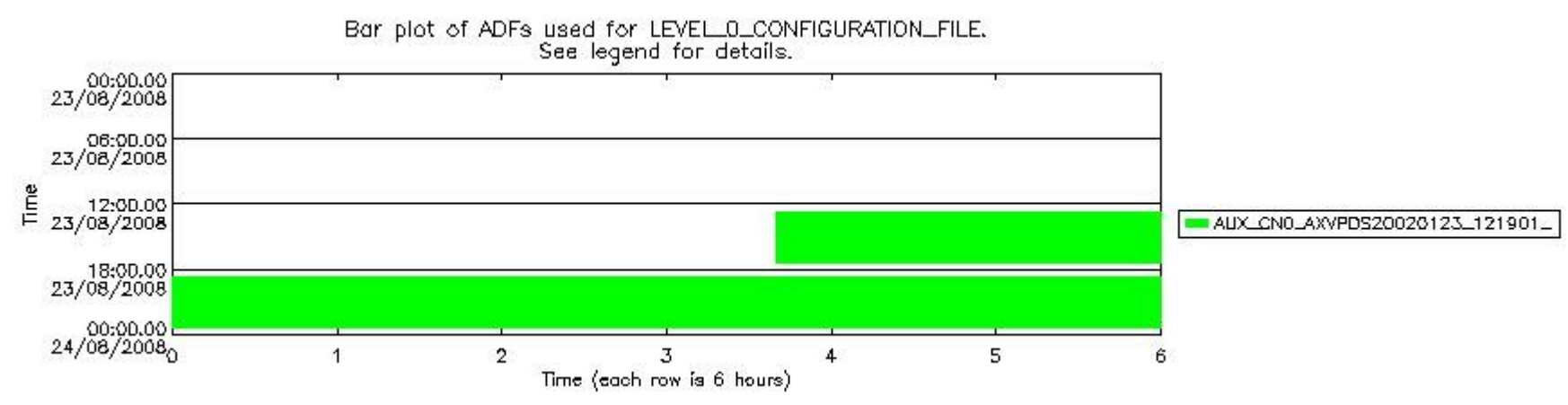
0.4 ADF monitoring

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

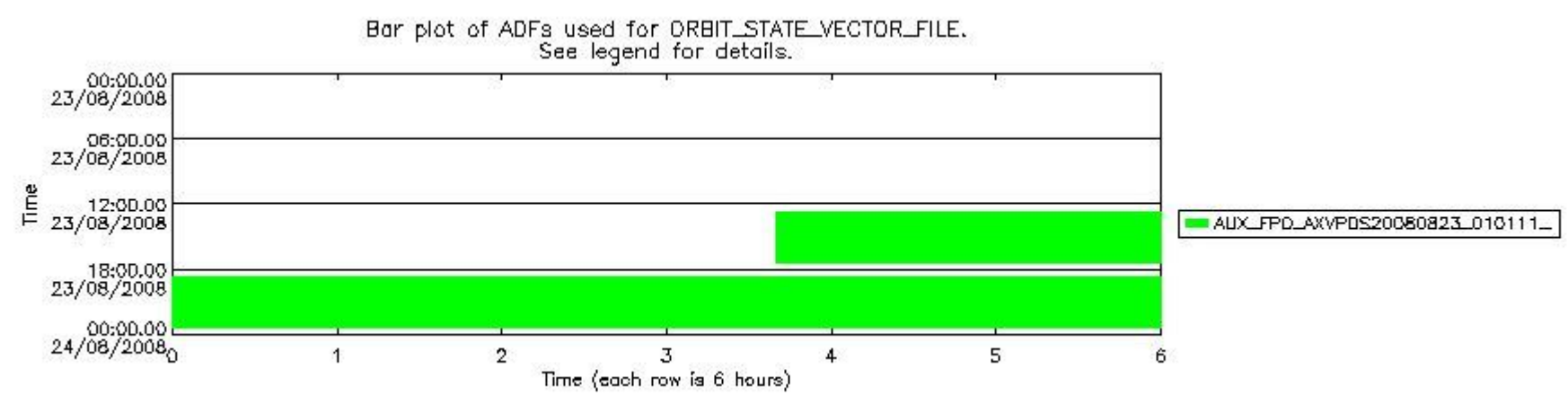
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

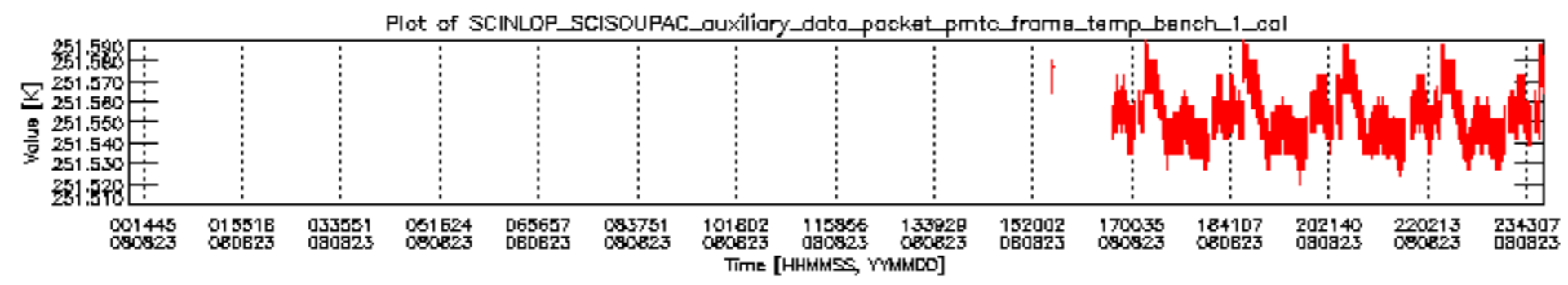
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080823_010111_20080822_191247_20080901_203900

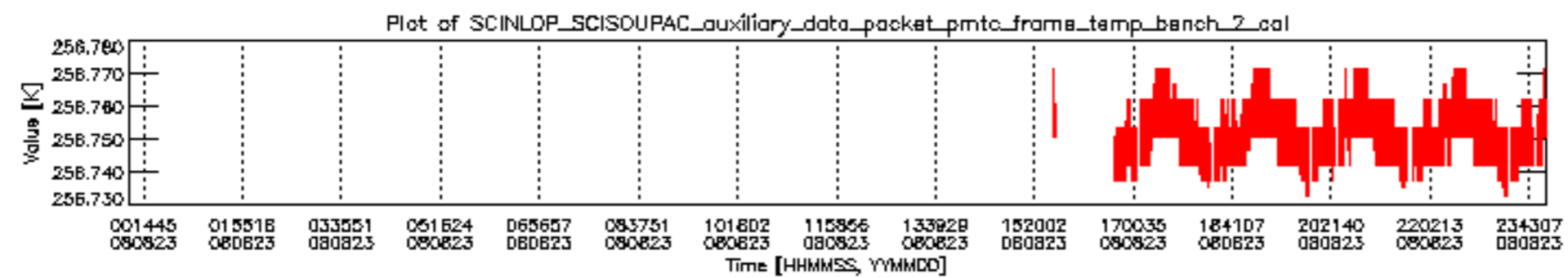


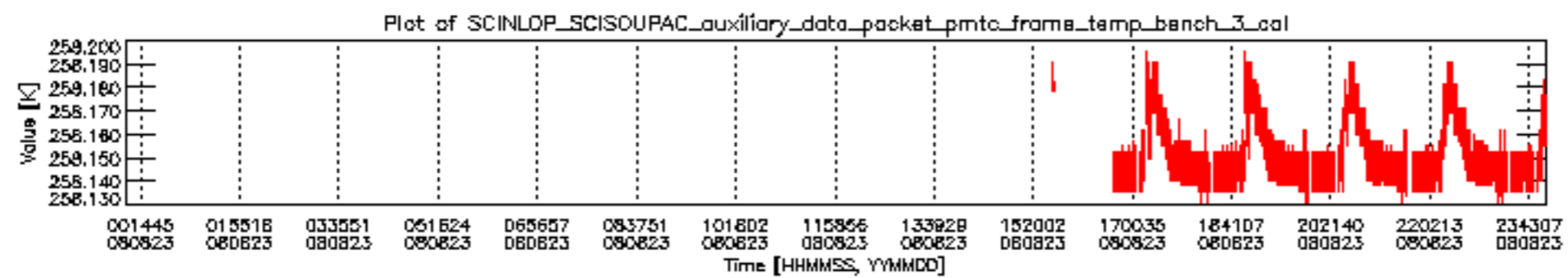
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080823_7.PNG

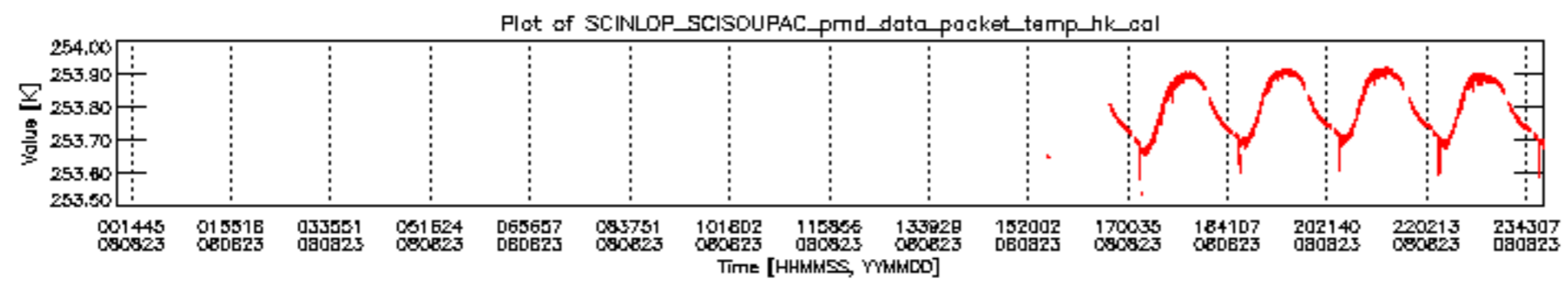


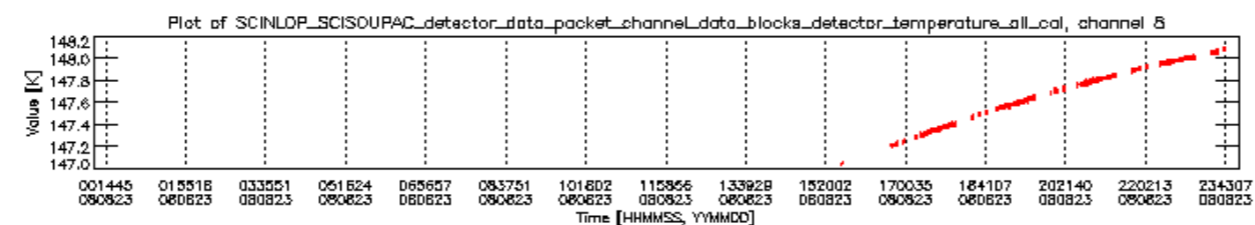
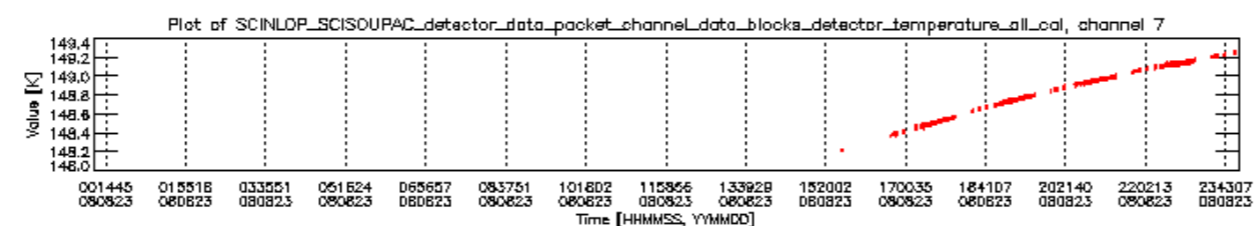
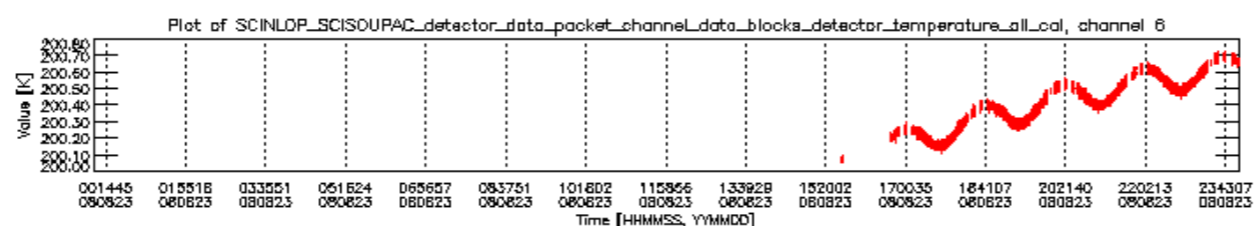
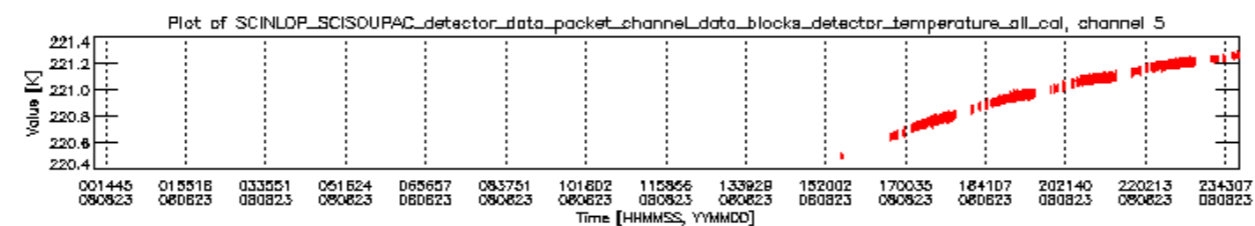
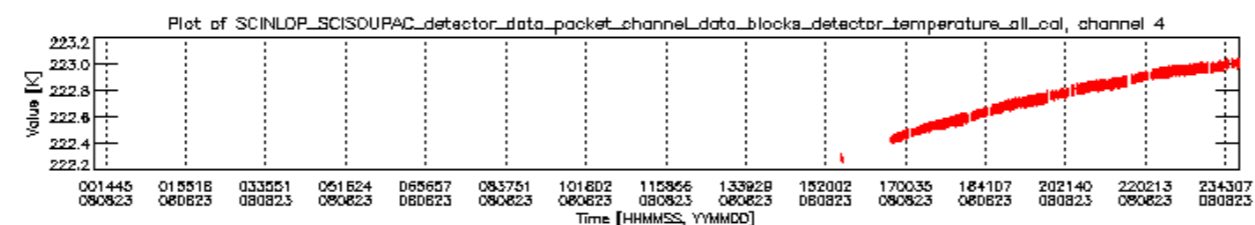
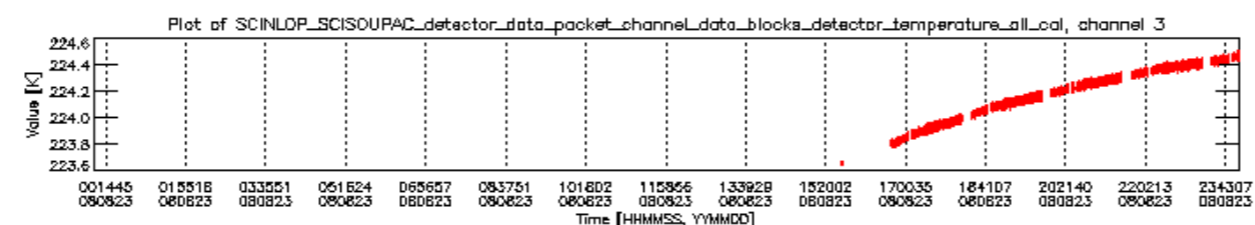
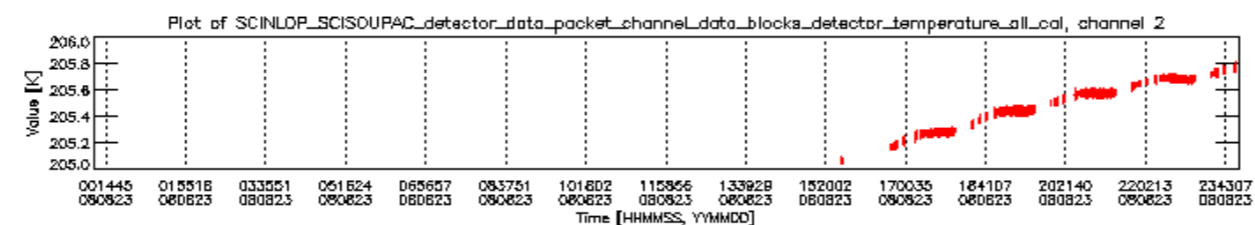
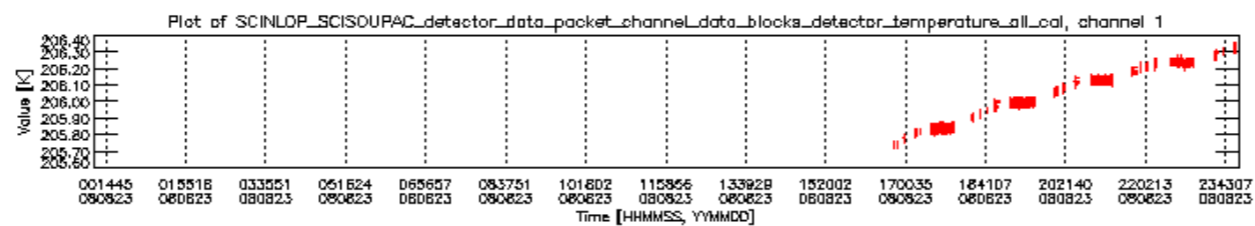
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080823_8.PNG

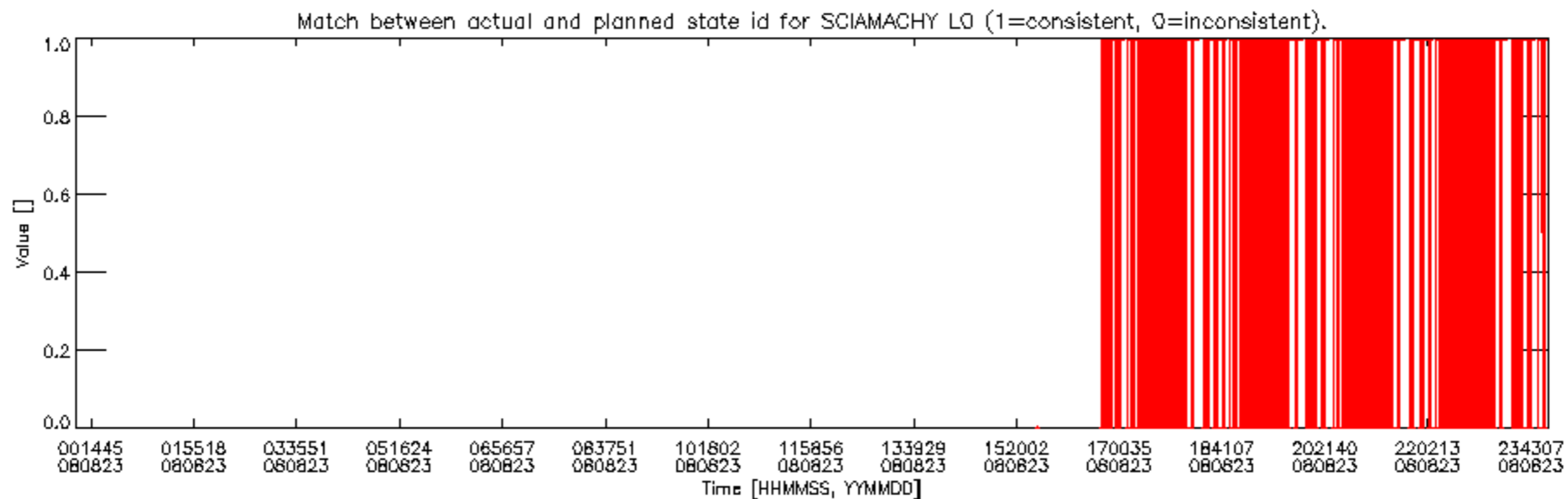
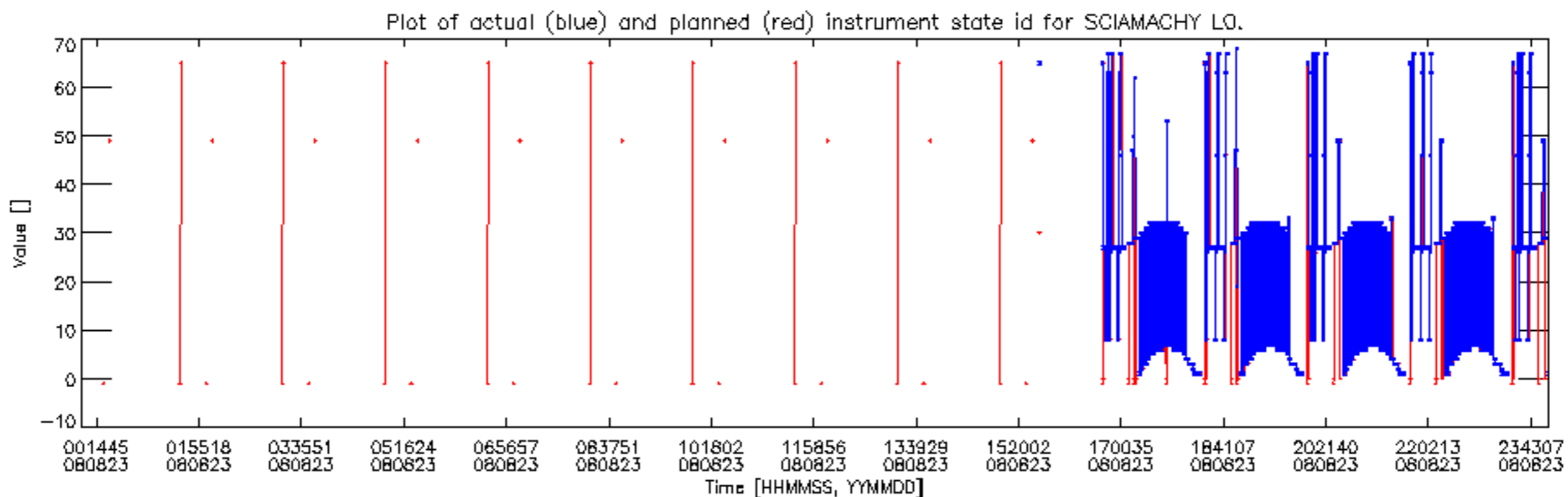












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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