

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	21JAN2008 07:35:02
Data source version	KSPT_L0/4303-N
Processing scope for products	17JAN2008 00:00:00 to 18JAN2008 00:00:00
Start time of first product within scope	17JAN2008 13:42:56
Stop time of last product within scope	18JAN2008 00:51:52
Total number of level 0 products	7
Number of level 0 products with errors	0

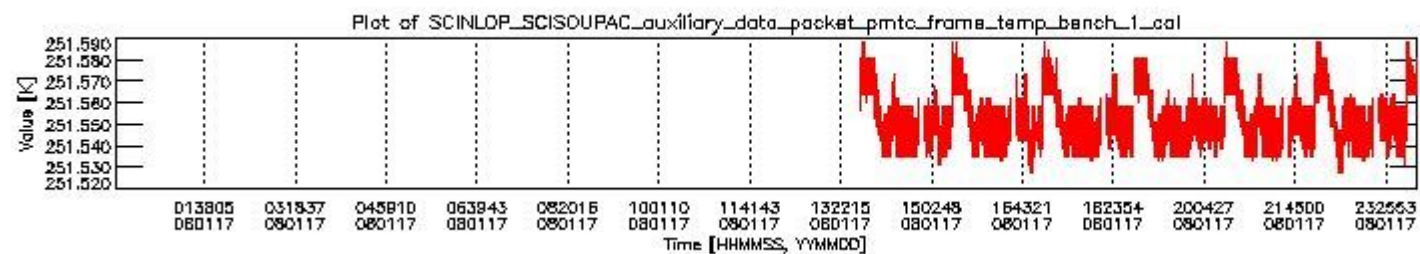
0.1.2 Summary per product

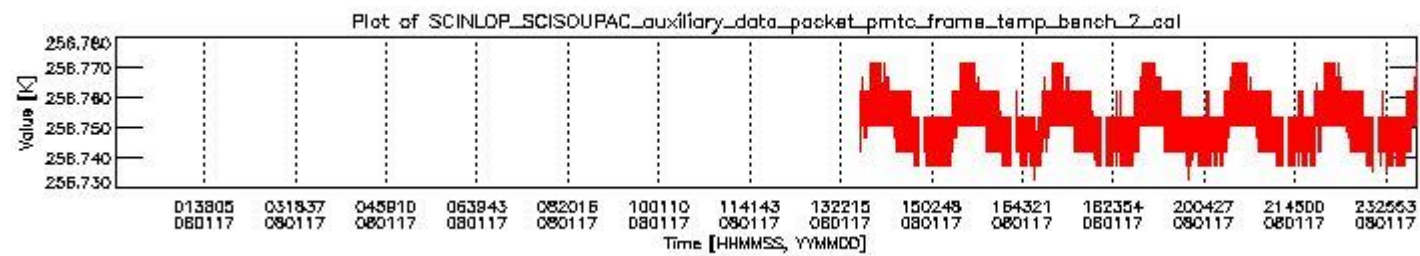
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20080117_134256_000060362065_00139_30754_7149.N1	17JAN2008 13:42:56	17JAN2008 15:23:32	0	0	0	0	0
1	SCI_NL__0PNPDK20080117_152332_000060362065_00140_30755_7150.N1	17JAN2008 15:23:32	17JAN2008 17:04:08	0	0	0	0	0
2	SCI_NL__0PNPDK20080117_170311_000058682065_00141_30756_7151.N1	17JAN2008 17:03:11	17JAN2008 18:40:59	0	0	0	0	0
3	SCI_NL__0PNPDK20080117_184059_000058152065_00142_30757_7152.N1	17JAN2008 18:40:59	17JAN2008 20:17:54	0	0	0	0	0
4	SCI_NL__0PNPDE20080117_201754_000043812065_00143_30758_5953.N1	17JAN2008 20:17:54	17JAN2008 21:30:56	0	0	0	0	0
5	SCI_NL__0PNPDE20080117_213056_000060082065_00143_30758_5954.N1	17JAN2008 21:30:56	17JAN2008 23:11:04	0	0	0	0	0
6	SCI_NL__0PNPDE20080117_231821_000056112065_00144_30759_5955.N1	17JAN2008 23:18:21	18JAN2008 00:51:52	0	0	0	0	0

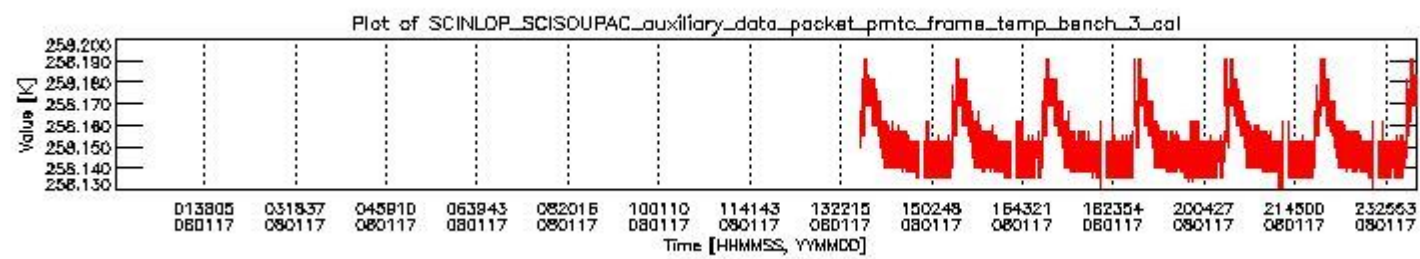
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

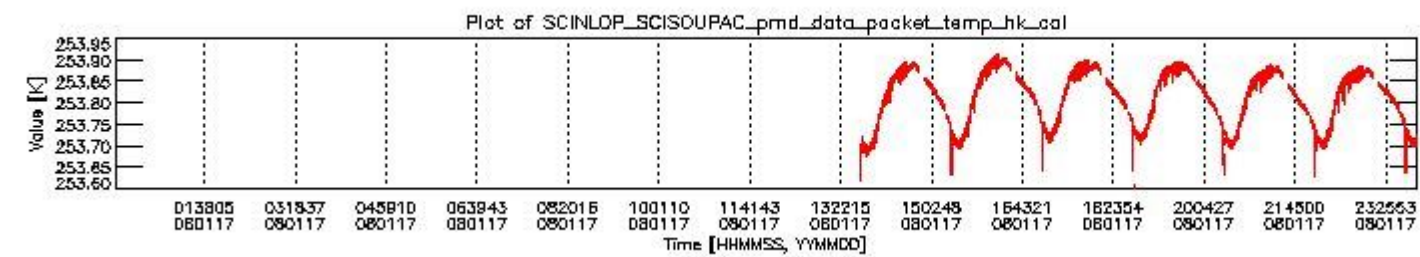




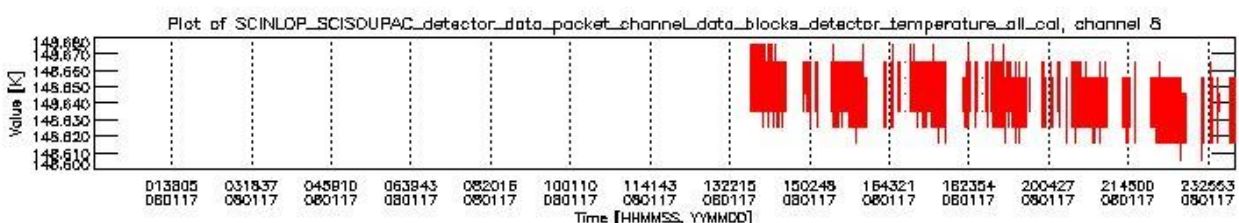
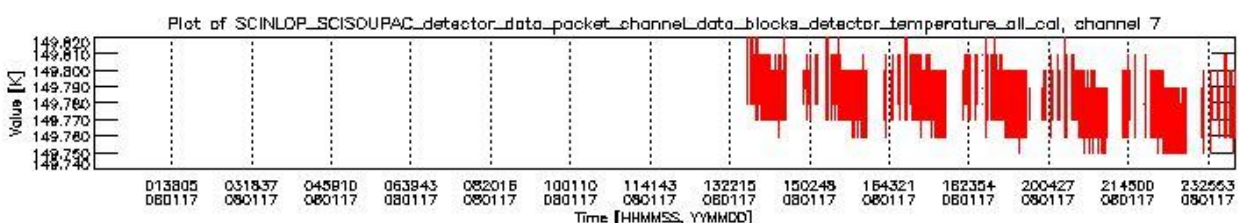
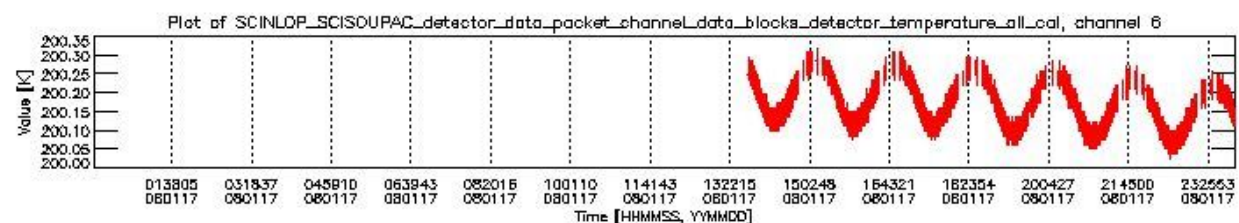
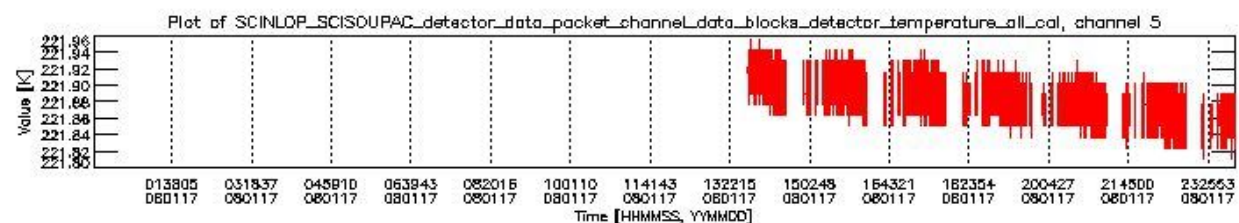
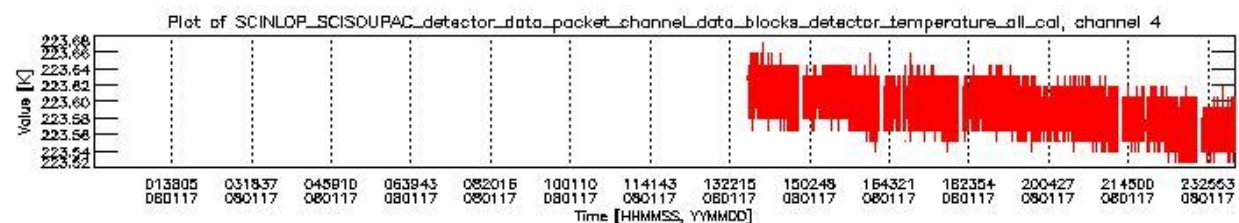
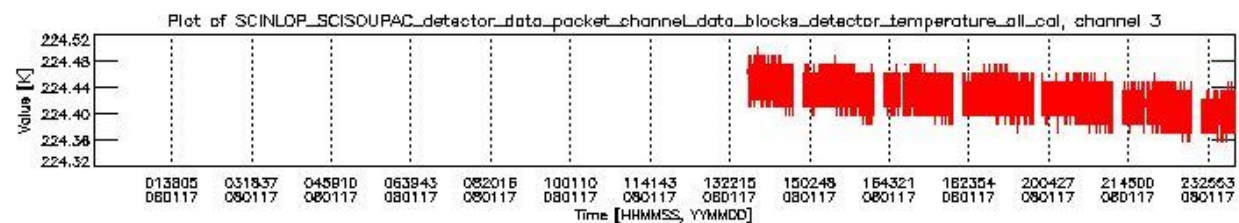
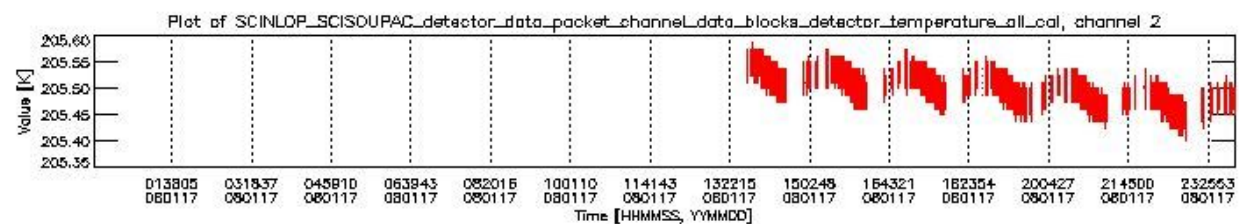
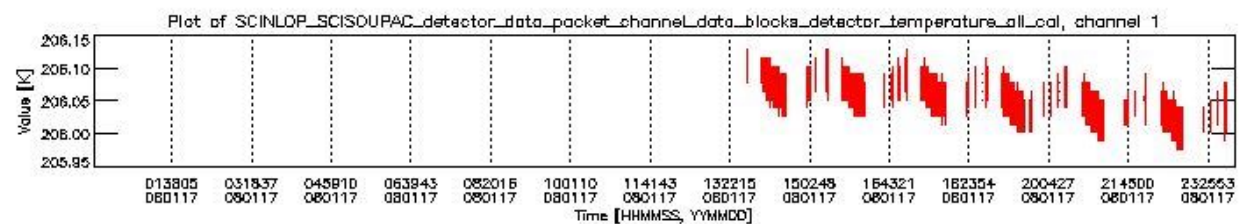
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080117_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080117_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080117_3.PNG

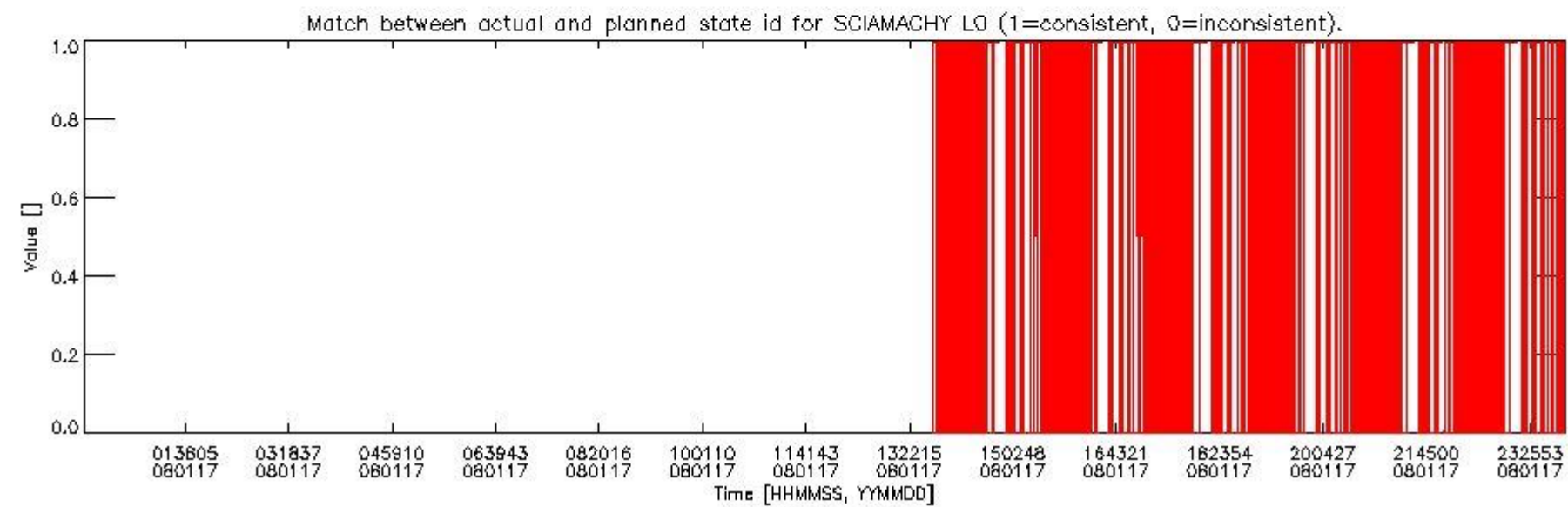
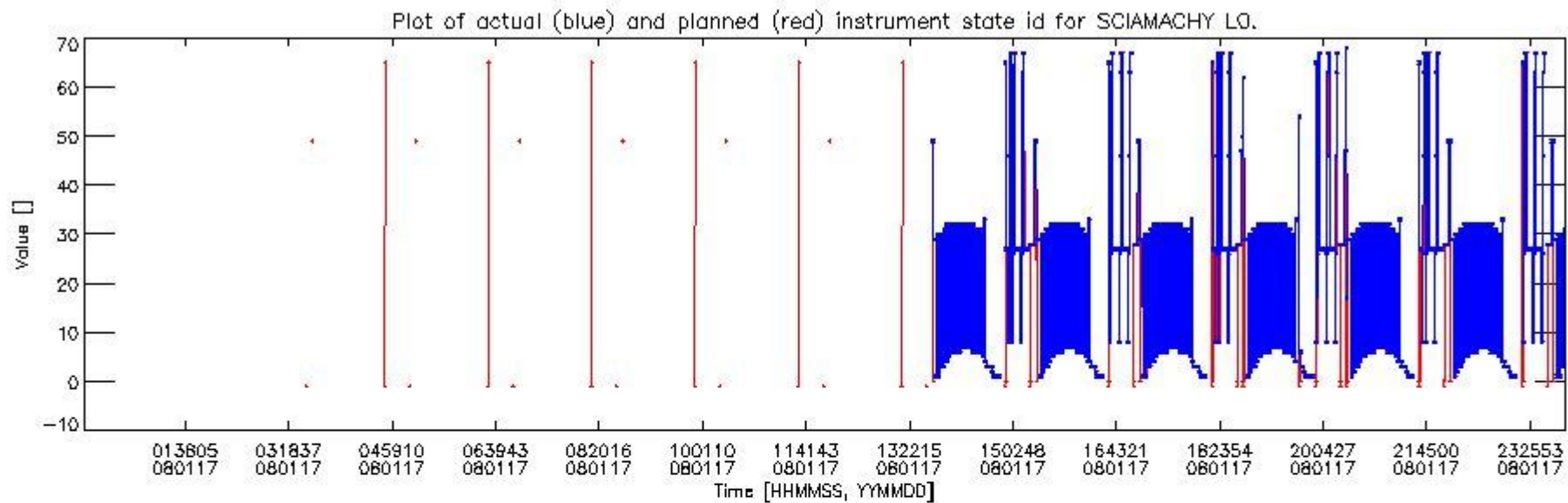


0.3 State monitoring

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: **18699**

#	Actual time	Actual value	Planned time	Planned value
0	17JAN2008 13:45:14.868745	29	17JAN2008 13:45:14.868745	0
1	17JAN2008 13:45:15.493767	29	17JAN2008 13:45:15.493767	0
2	17JAN2008 13:45:15.868740	29	17JAN2008 13:45:15.868740	0
3	17JAN2008 13:45:16.243753	29	17JAN2008 13:45:16.243753	0
4	17JAN2008 13:45:16.806252	29	17JAN2008 13:45:16.806252	0
5	17JAN2008 13:45:17.181265	29	17JAN2008 13:45:17.181265	0
6	17JAN2008 13:45:17.556238	29	17JAN2008 13:45:17.556238	0
7	17JAN2008 13:45:17.931251	29	17JAN2008 13:45:17.931251	0
8	17JAN2008 13:45:18.493751	29	17JAN2008 13:45:18.493751	0
9	17JAN2008 13:45:18.868764	29	17JAN2008 13:45:18.868764	0
10	17JAN2008 13:45:19.243737	29	17JAN2008 13:45:19.243737	0
11	17JAN2008 13:45:19.618750	29	17JAN2008 13:45:19.618750	0
12	17JAN2008 13:45:19.868758	29	17JAN2008 13:45:19.868758	0
13	17JAN2008 13:45:20.181249	29	17JAN2008 13:45:20.181249	0
14	17JAN2008 13:45:20.556262	29	17JAN2008 13:45:20.556262	0
15	17JAN2008 13:45:20.931235	29	17JAN2008 13:45:20.931235	0
16	17JAN2008 13:45:21.306248	29	17JAN2008 13:45:21.306248	0
17	17JAN2008 13:45:21.868747	29	17JAN2008 13:45:21.868747	0
18	17JAN2008 13:45:22.243761	29	17JAN2008 13:45:22.243761	0
19	17JAN2008 13:45:22.618774	29	17JAN2008 13:45:22.618774	0

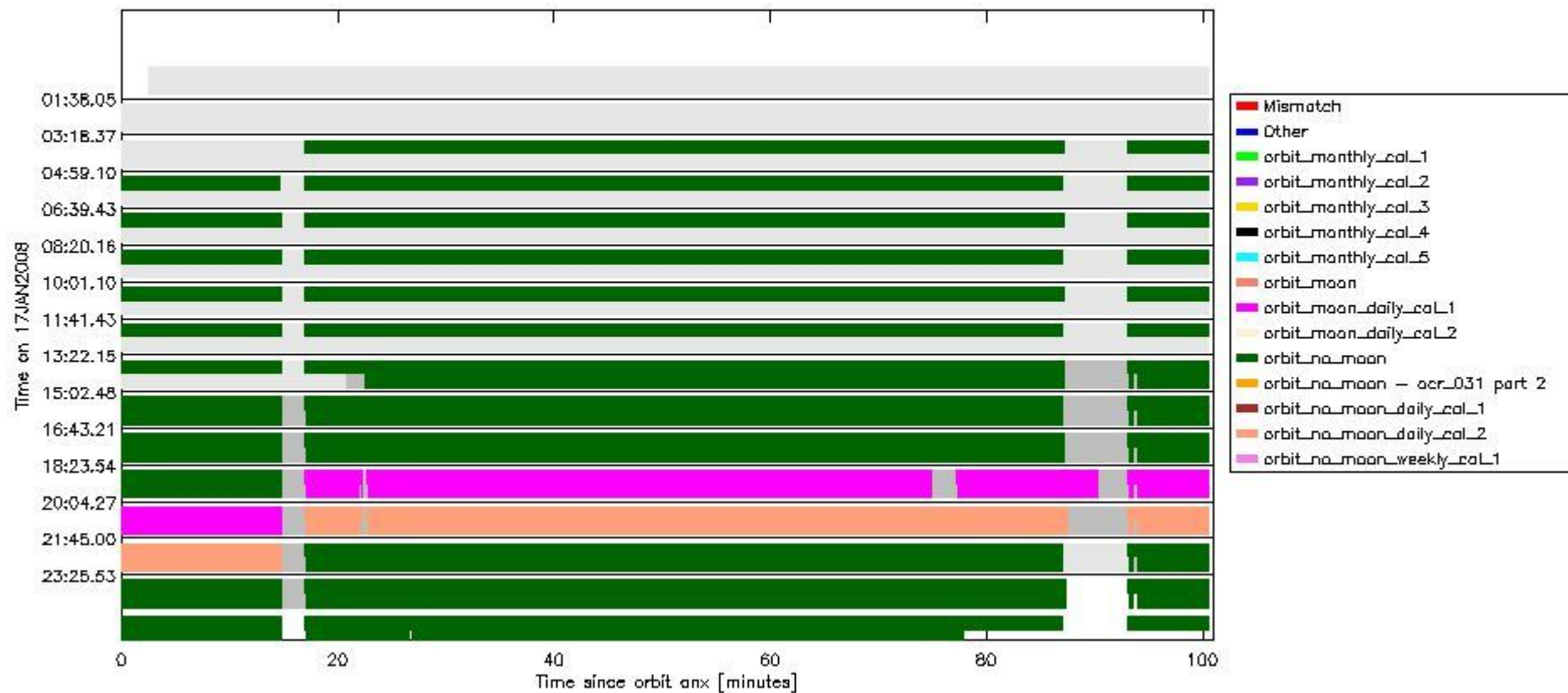


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080117_5.PNG

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 17JAN2008.
 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_20080117_6.PNG

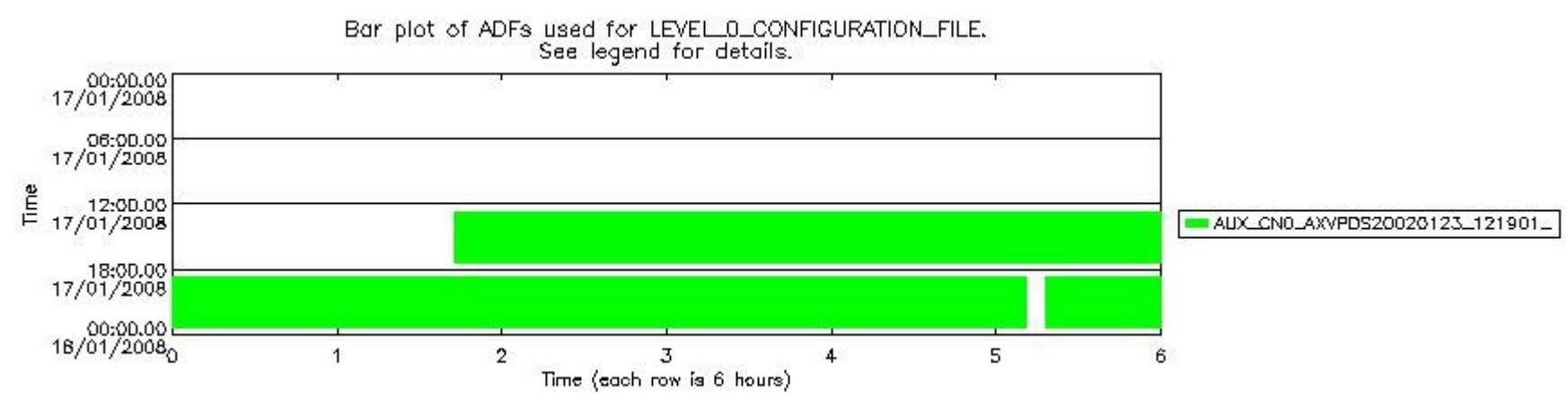
0.4 ADF monitoring

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

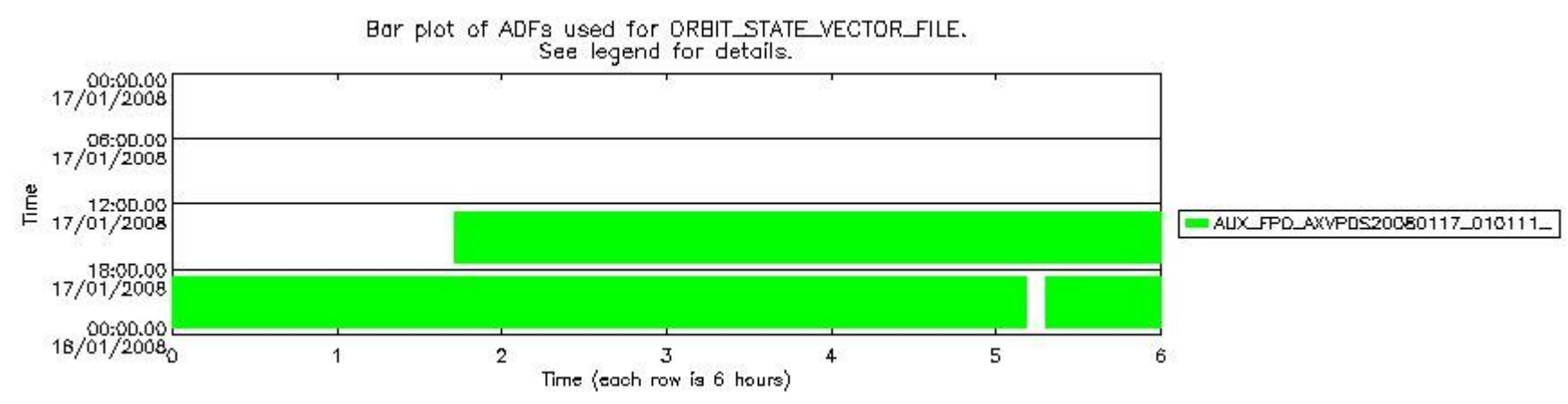
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

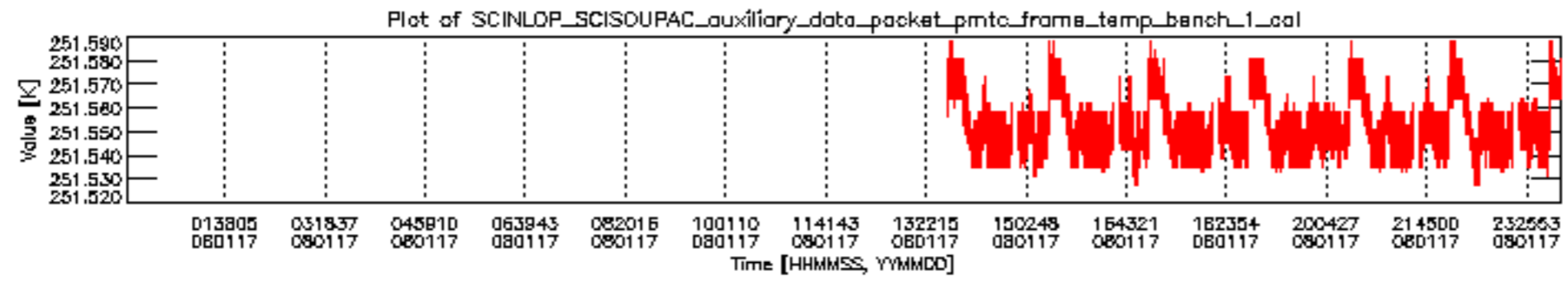
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080117_010111_20080116_185533_20080126_202147

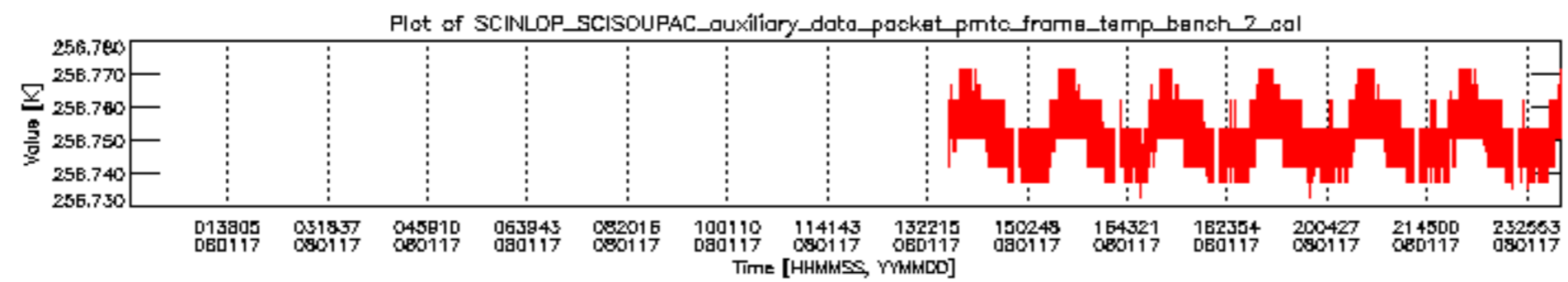


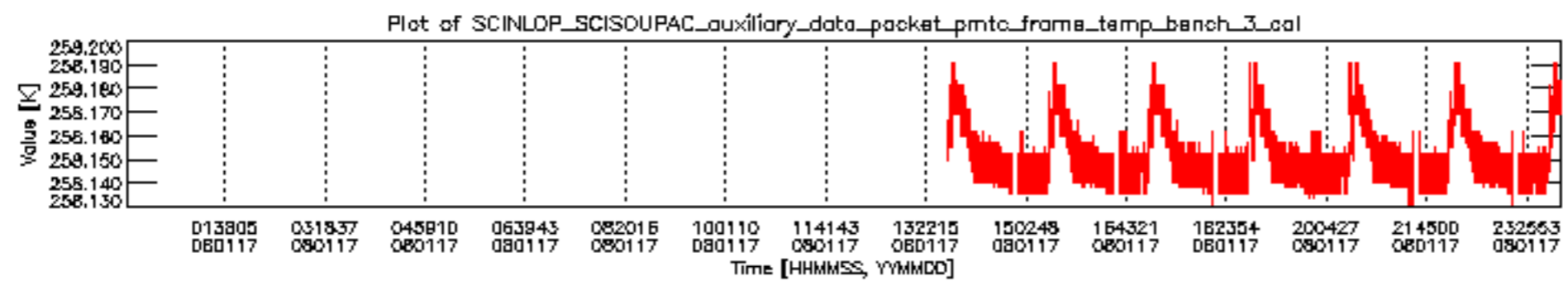
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080117_7.PNG

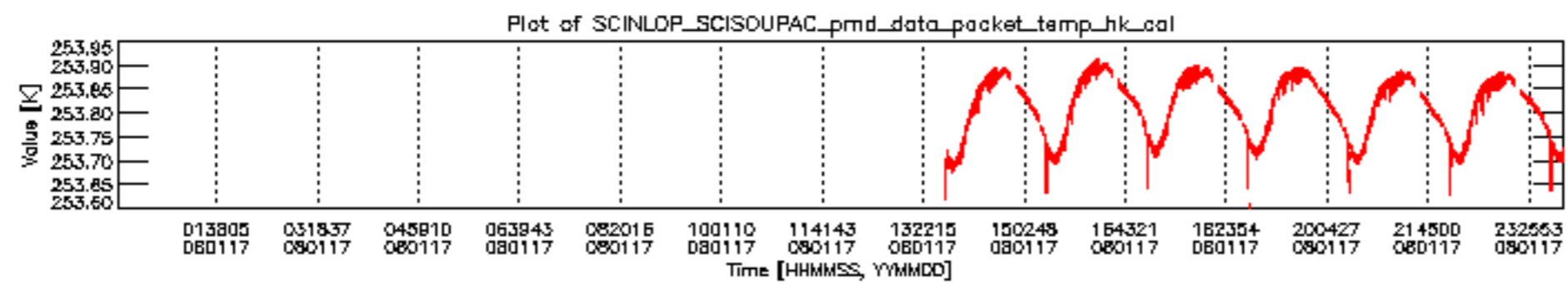


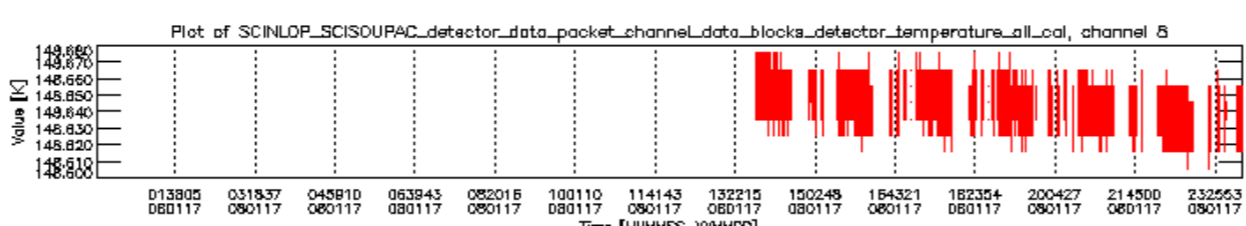
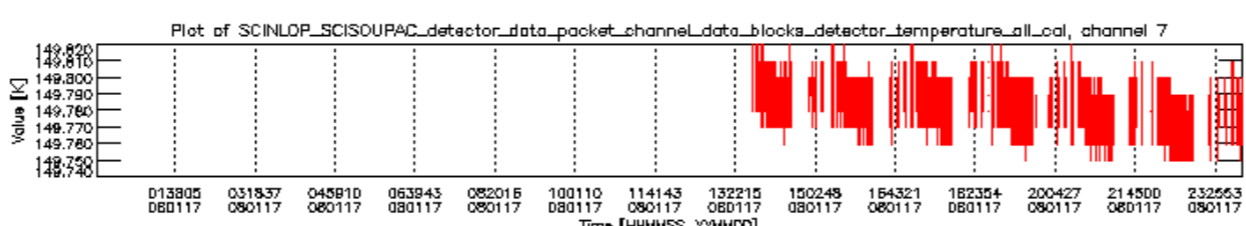
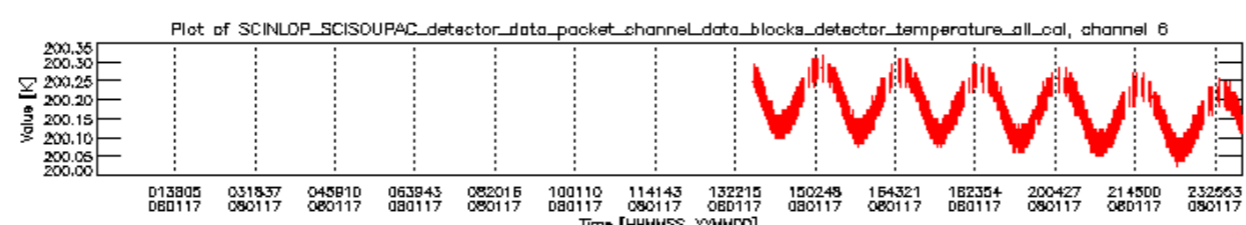
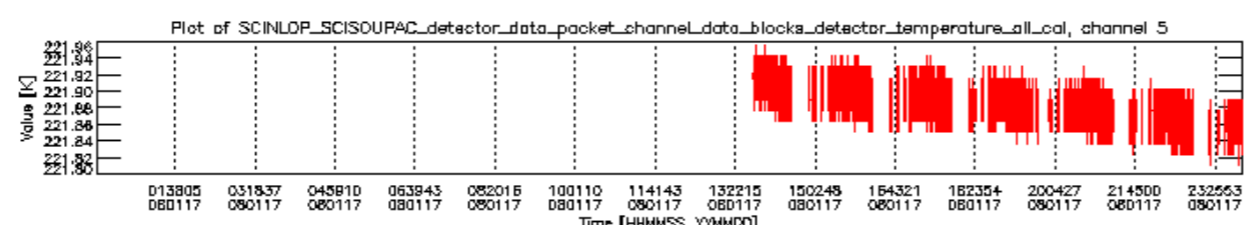
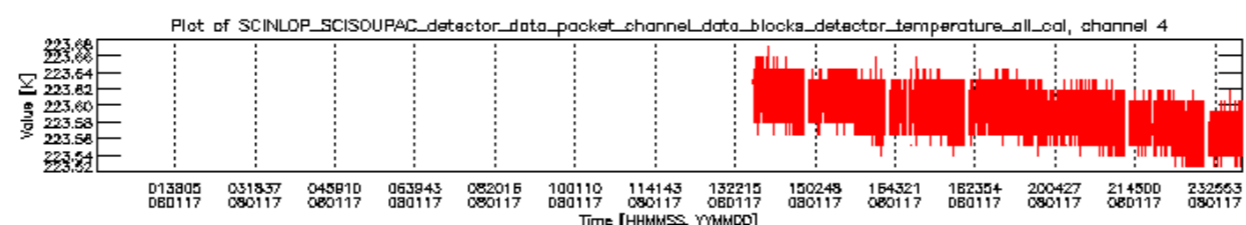
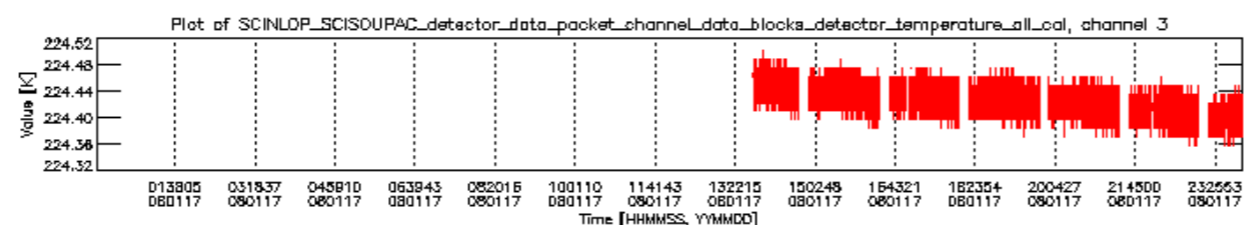
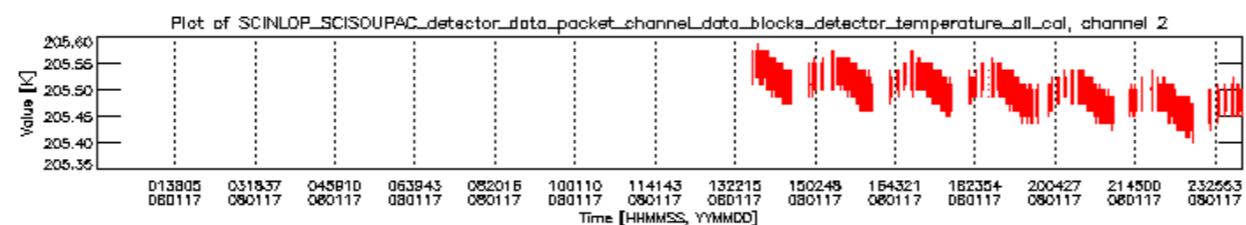
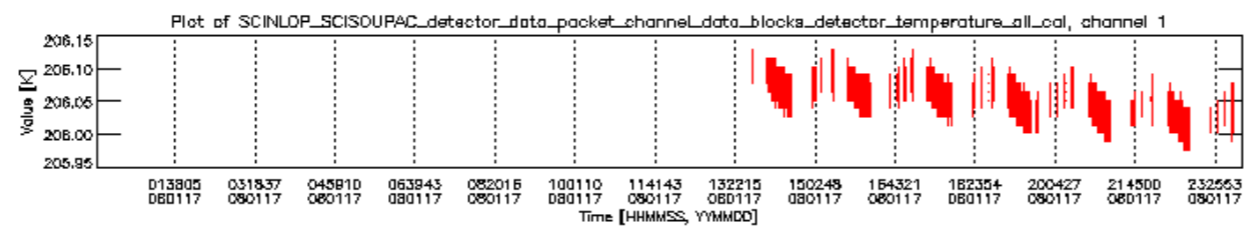
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080117_8.PNG

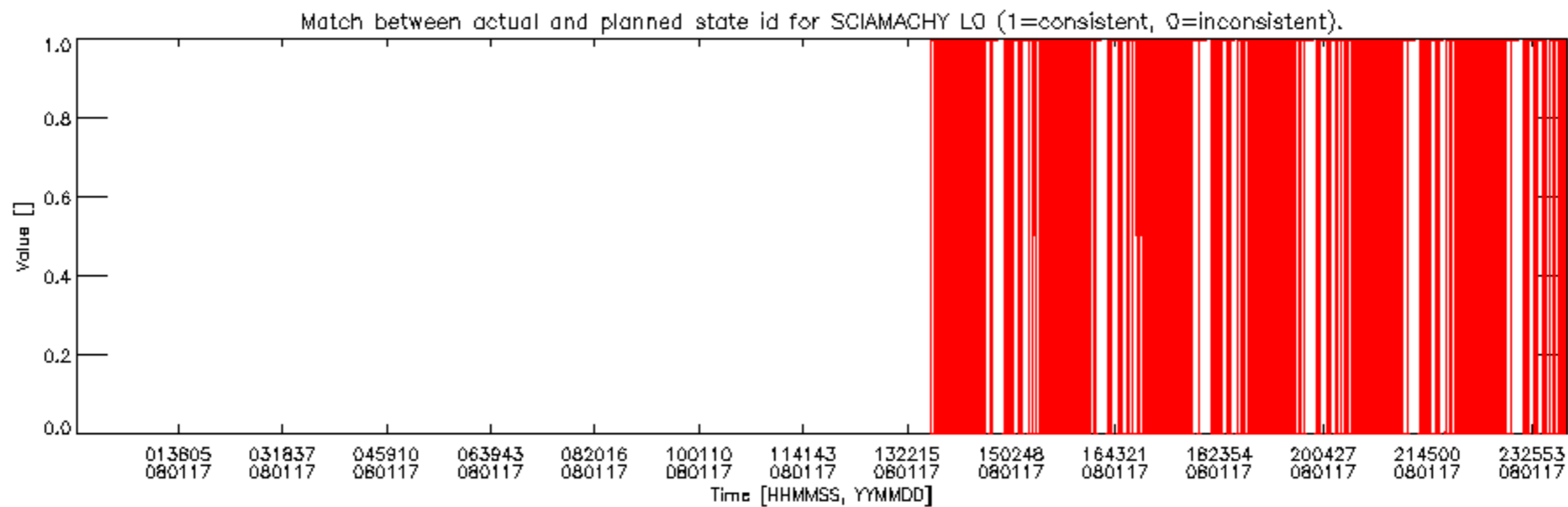
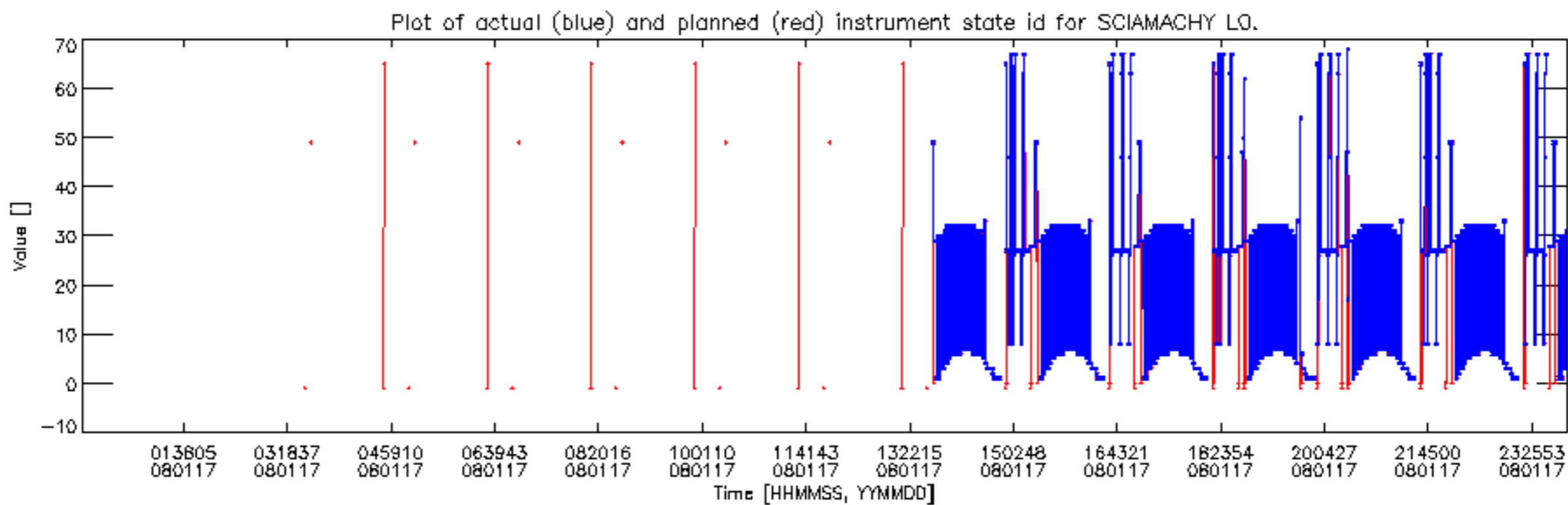












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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