

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	26AUG2008 05:03:11
Data source version	KSPT_L0/4303-N
Processing scope for products	22AUG2008 00:00:00 to 23AUG2008 00:00:00
Start time of first product within scope	21AUG2008 22:54:15
Stop time of last product within scope	22AUG2008 06:43:27
Total number of level 0 products	5
Number of level 0 products with errors	0

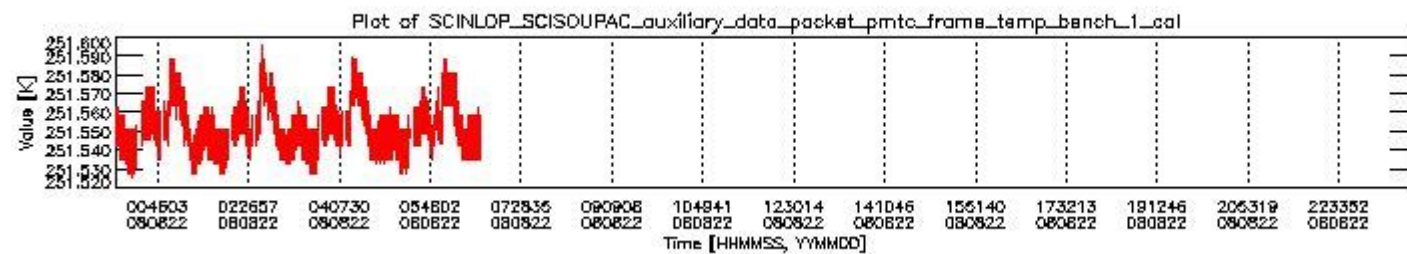
0.1.2 Summary per product

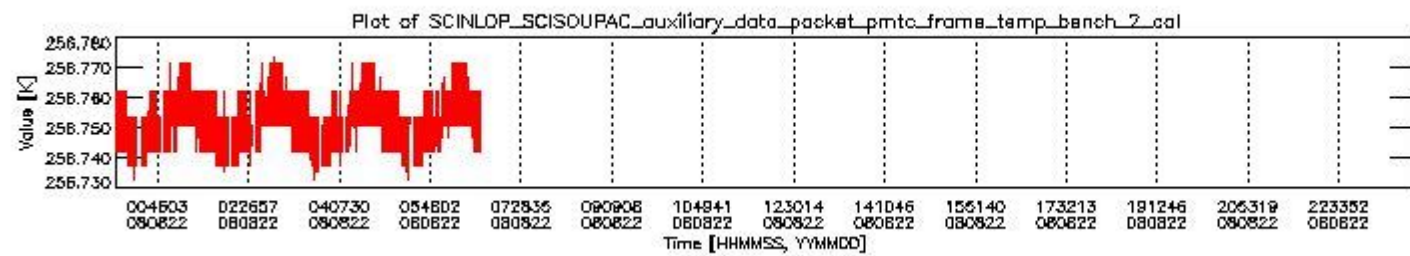
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDE20080821_225415_000061162071_00244_33865_7360.N1	21AUG2008 22:54:15	22AUG2008 00:36:11	0	0	0	0	0
1	SCI_NL__0PNPDE20080822_003450_000057772071_00245_33866_7361.N1	22AUG2008 00:34:50	22AUG2008 02:11:08	0	0	0	0	0
2	SCI_NL__0PNPDE20080822_021108_000045152071_00246_33867_7362.N1	22AUG2008 02:11:08	22AUG2008 03:26:23	0	0	0	0	0
3	SCI_NL__0PNPDE20080822_032527_000062172071_00247_33868_7363.N1	22AUG2008 03:25:27	22AUG2008 05:09:04	0	0	0	0	0
4	SCI_NL__0PNPDE20080822_050755_000057322071_00248_33869_7364.N1	22AUG2008 05:07:55	22AUG2008 06:43:27	0	0	0	0	0

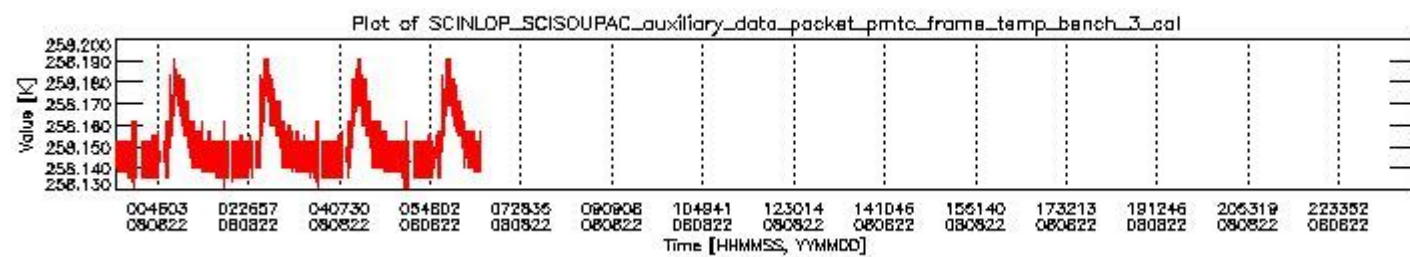
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

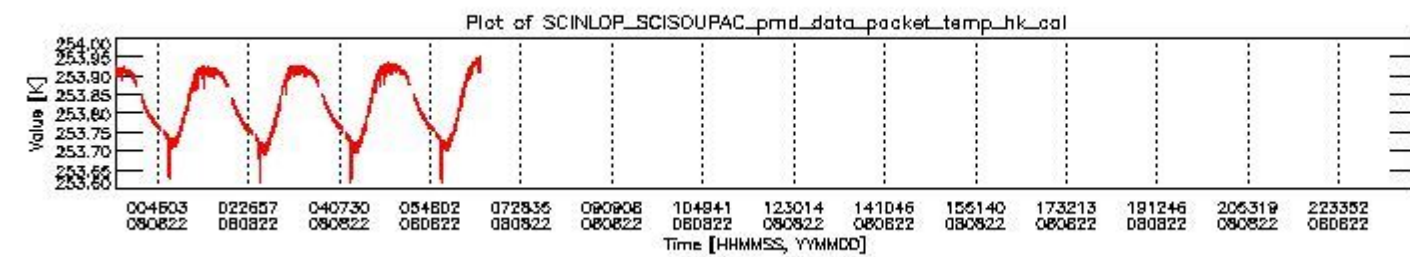




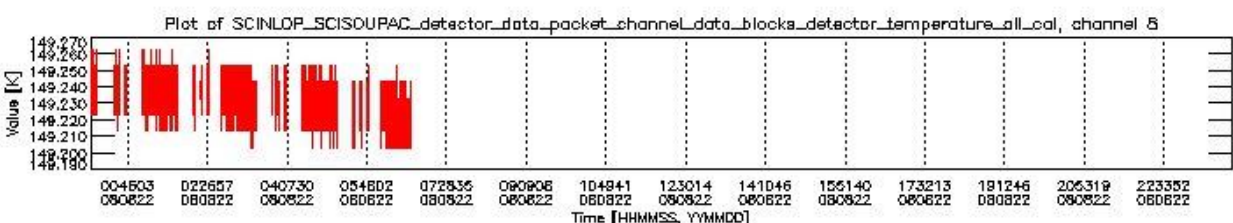
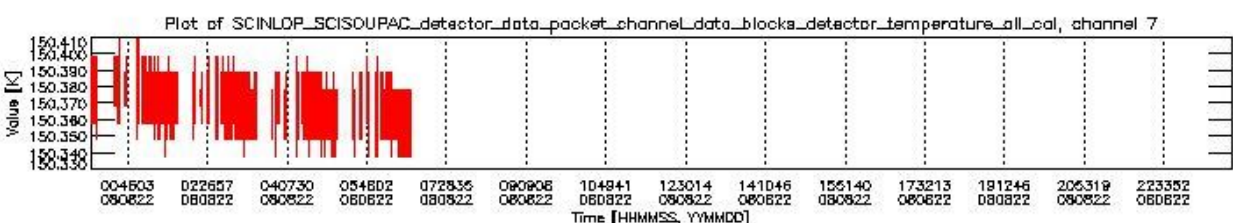
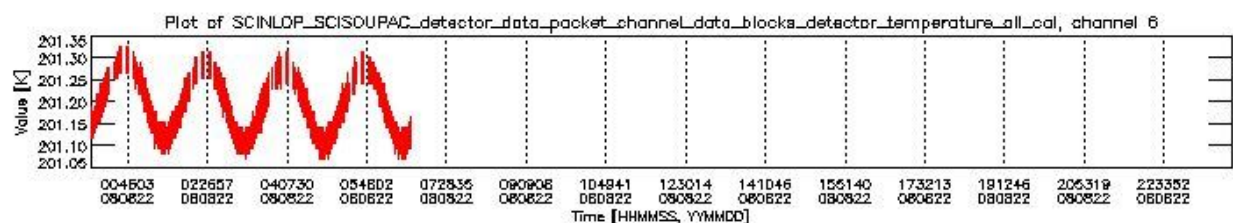
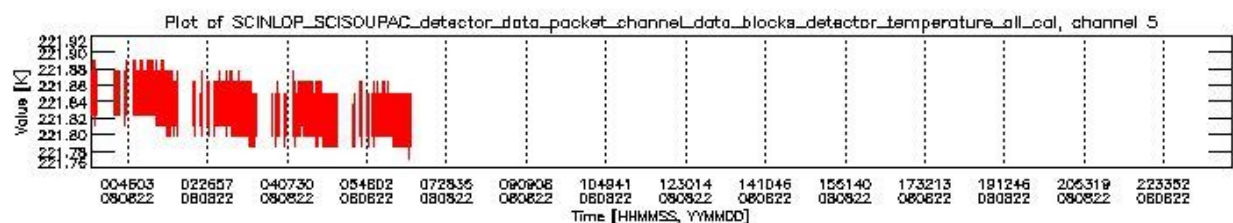
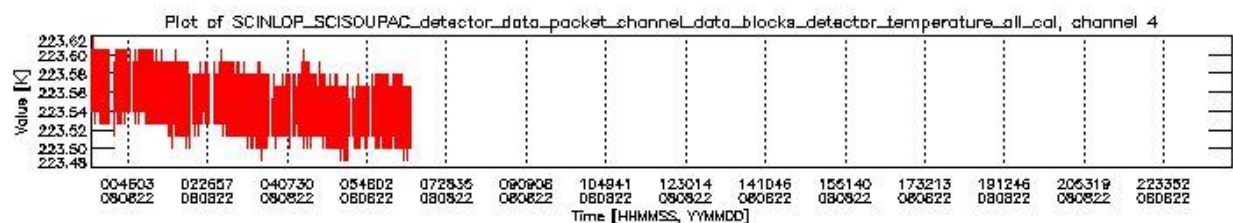
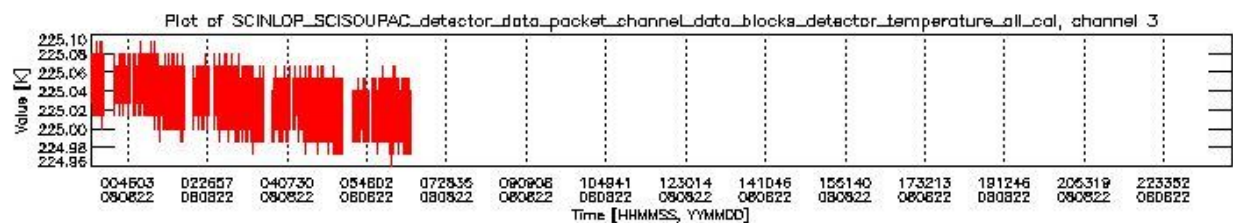
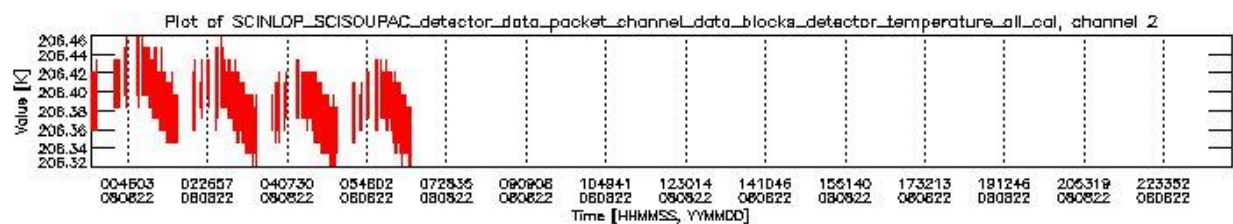
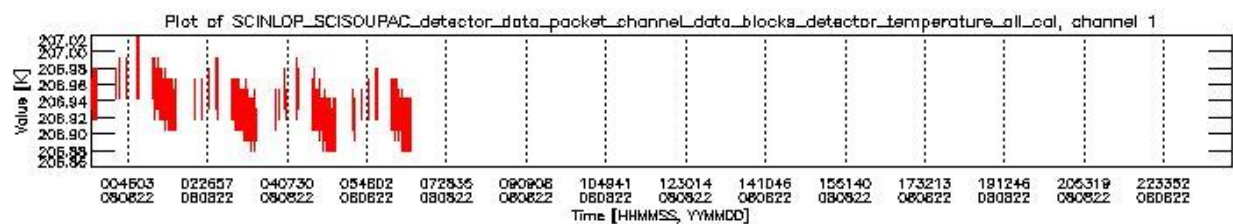
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080822_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080822_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080822_3.PNG

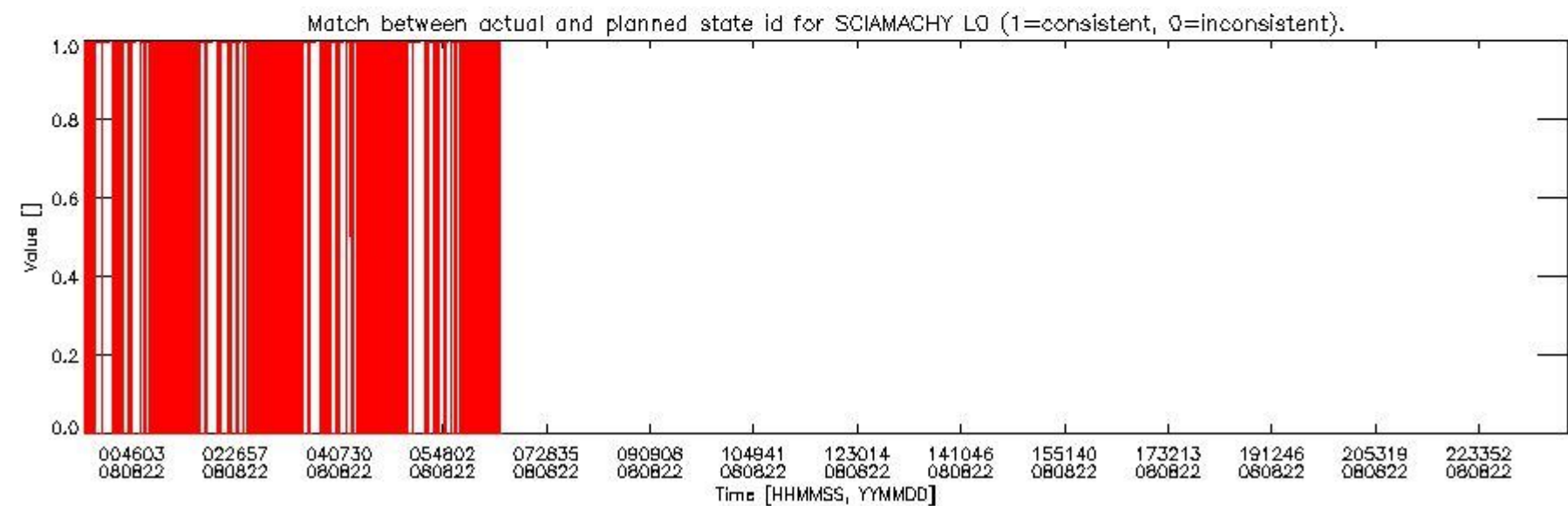
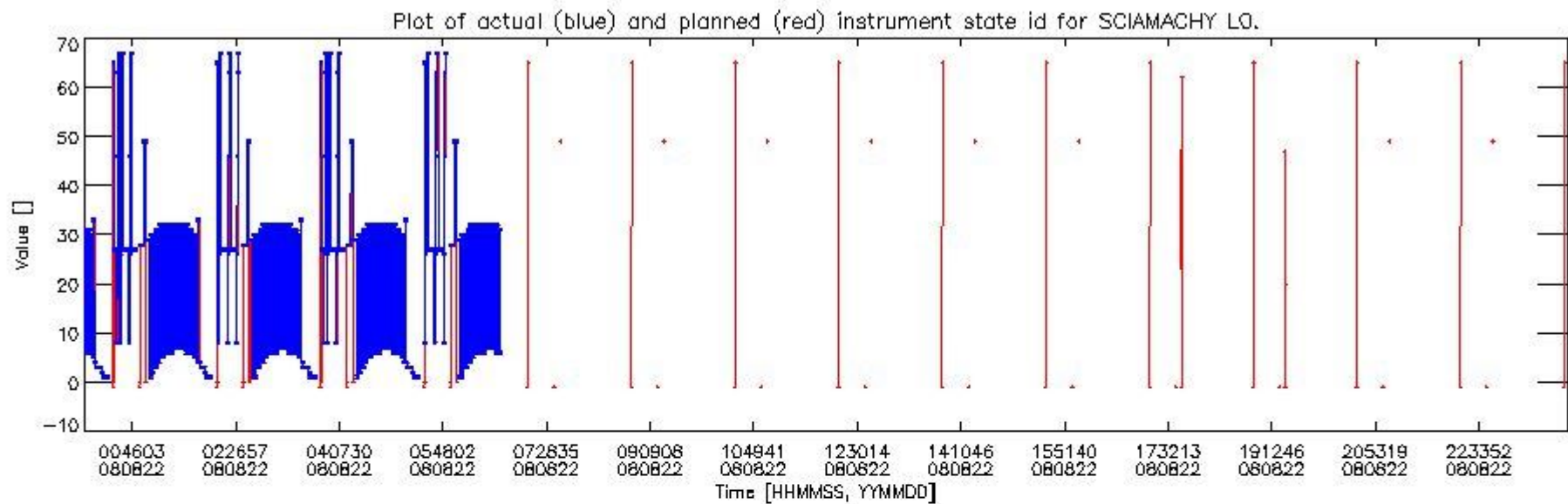


0.3 State monitoring

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: **10698**

#	Actual time	Actual value	Planned time	Planned value
0	22AUG2008 00:00:06.024469	31	22AUG2008 00:00:06.024469	6
1	22AUG2008 00:00:06.649491	31	22AUG2008 00:00:06.649491	6
2	22AUG2008 00:00:07.024464	31	22AUG2008 00:00:07.024464	6
3	22AUG2008 00:00:07.399477	31	22AUG2008 00:00:07.399477	6
4	22AUG2008 00:00:07.961977	31	22AUG2008 00:00:07.961977	6
5	22AUG2008 00:00:08.336990	31	22AUG2008 00:00:08.336990	6
6	22AUG2008 00:00:08.711962	31	22AUG2008 00:00:08.711962	6
7	22AUG2008 00:00:09.086975	31	22AUG2008 00:00:09.086975	6
8	22AUG2008 00:00:09.649475	31	22AUG2008 00:00:09.649475	6
9	22AUG2008 00:00:10.024488	31	22AUG2008 00:00:10.024488	6
10	22AUG2008 00:00:10.399461	31	22AUG2008 00:00:10.399461	6
11	22AUG2008 00:00:10.774474	31	22AUG2008 00:00:10.774474	6
12	22AUG2008 00:00:11.024483	31	22AUG2008 00:00:11.024483	6
13	22AUG2008 00:00:11.336973	31	22AUG2008 00:00:11.336973	6
14	22AUG2008 00:00:11.711986	31	22AUG2008 00:00:11.711986	6
15	22AUG2008 00:00:12.086959	31	22AUG2008 00:00:12.086959	6
16	22AUG2008 00:00:12.461972	31	22AUG2008 00:00:12.461972	6
17	22AUG2008 00:00:13.024472	31	22AUG2008 00:00:13.024472	6
18	22AUG2008 00:00:13.399485	31	22AUG2008 00:00:13.399485	6
19	22AUG2008 00:00:13.774458	31	22AUG2008 00:00:13.774458	6

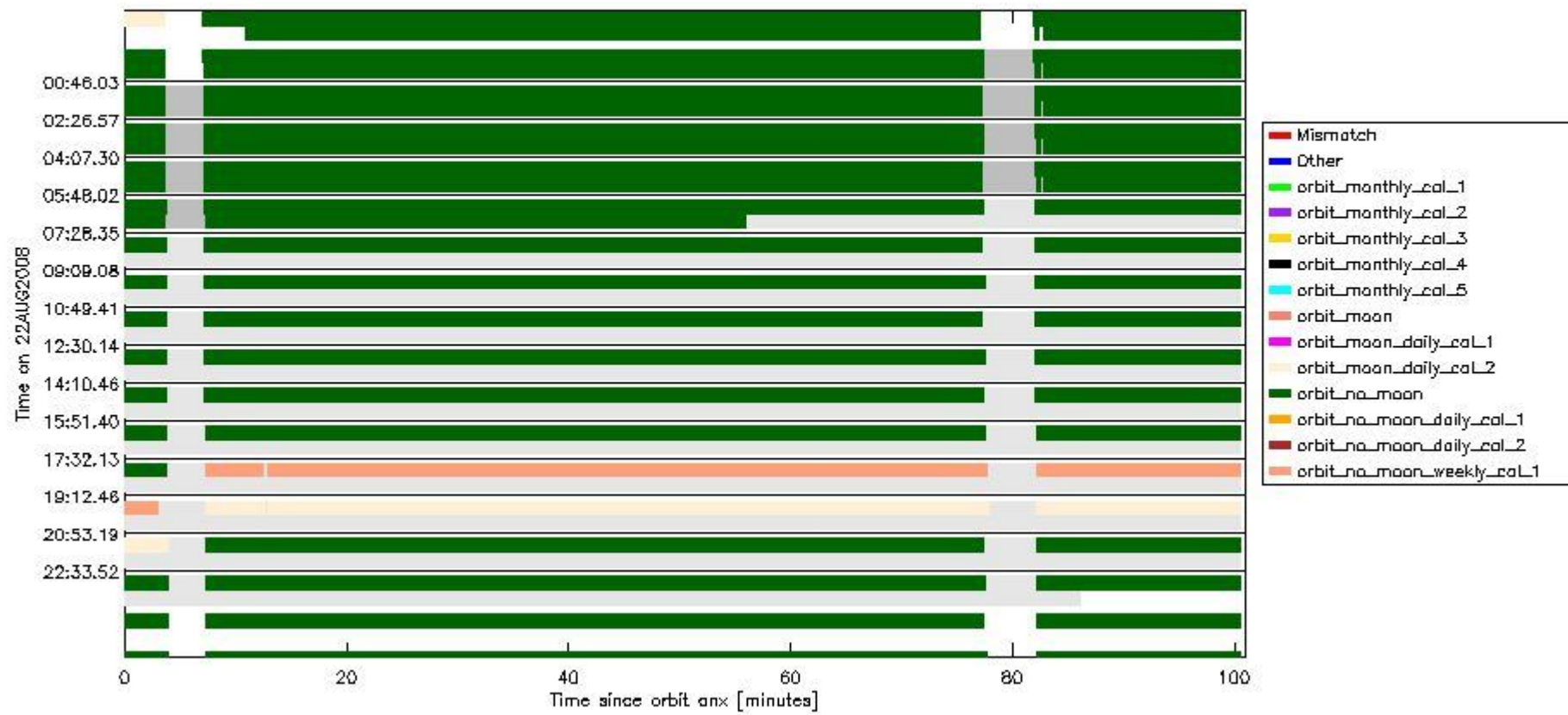


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080822_5.PNG

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 22AUG2008.
 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_20080822_6.PNG

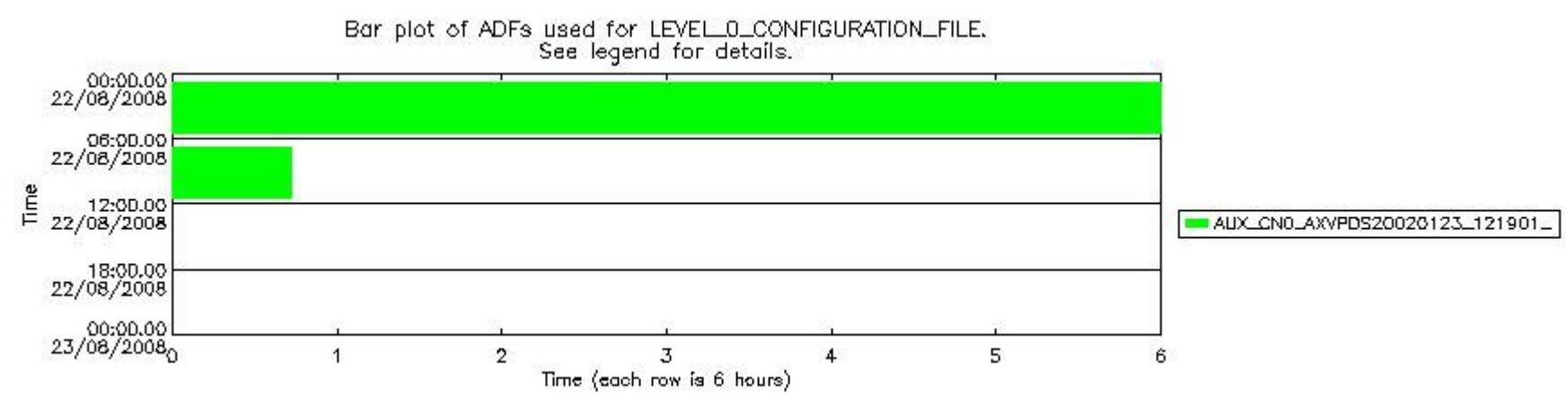
0.4 ADF monitoring

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

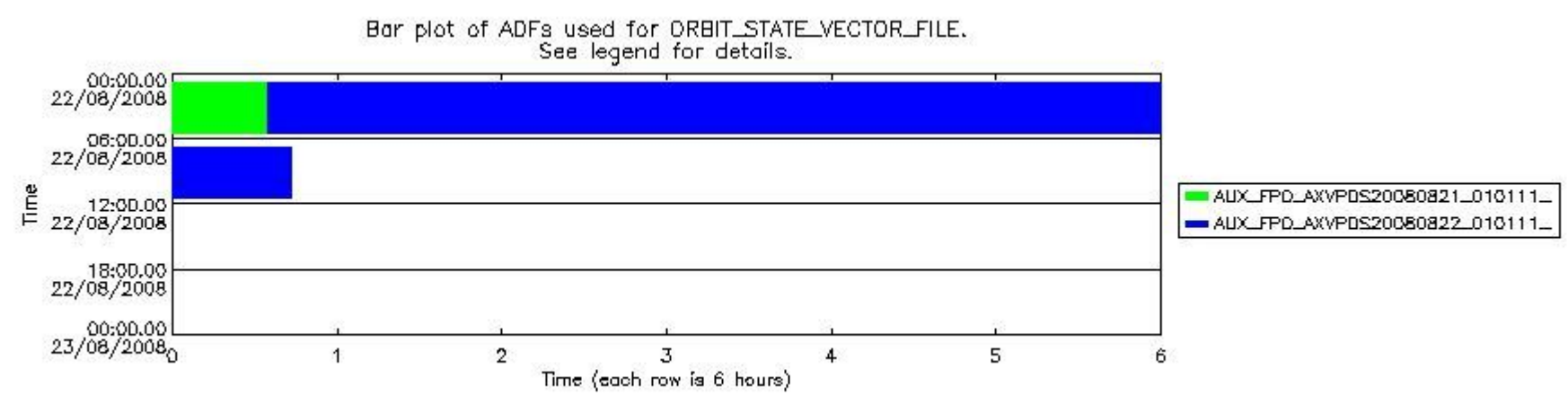
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

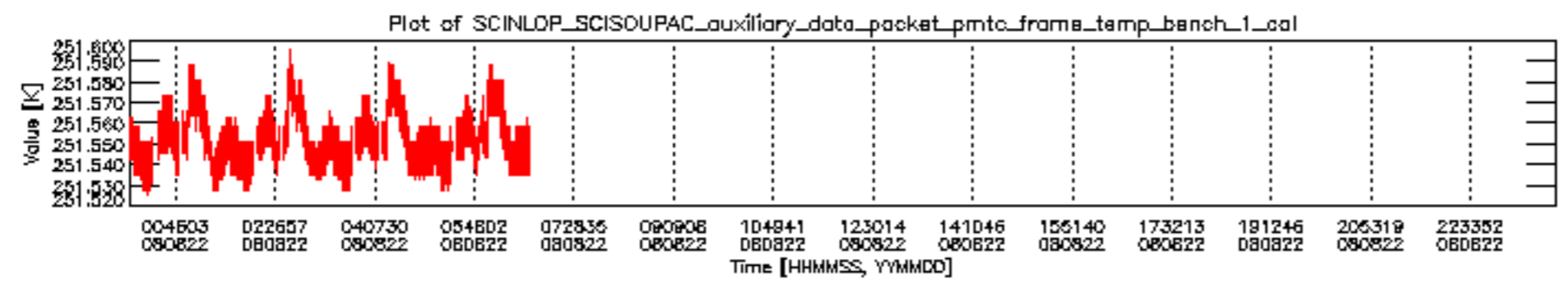
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080821_010111_20080820_183526_20080830_200138
2	AUX_FPO_AXVPDS20080822_010111_20080821_194425_20080831_211037

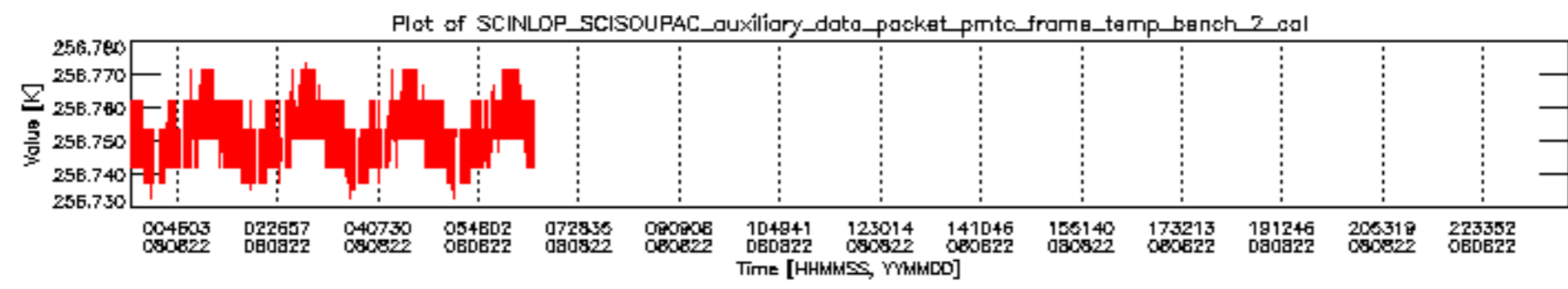


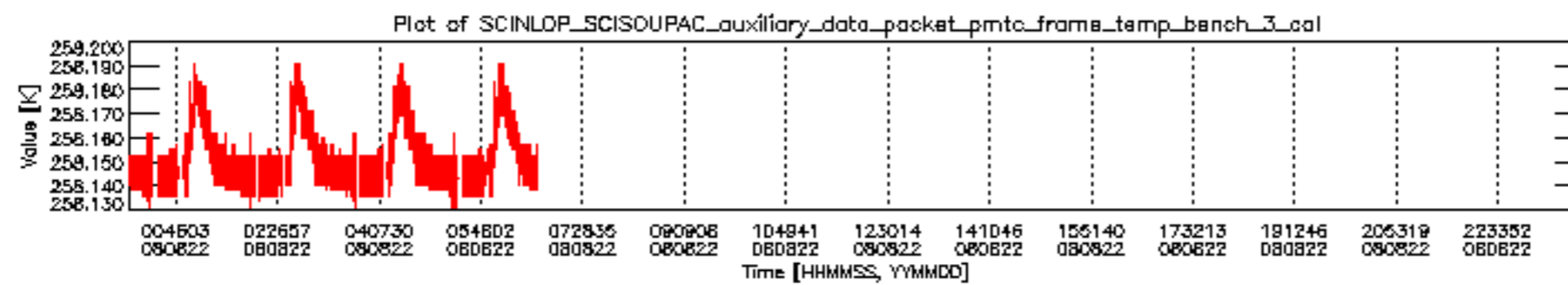
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080822_7.PNG

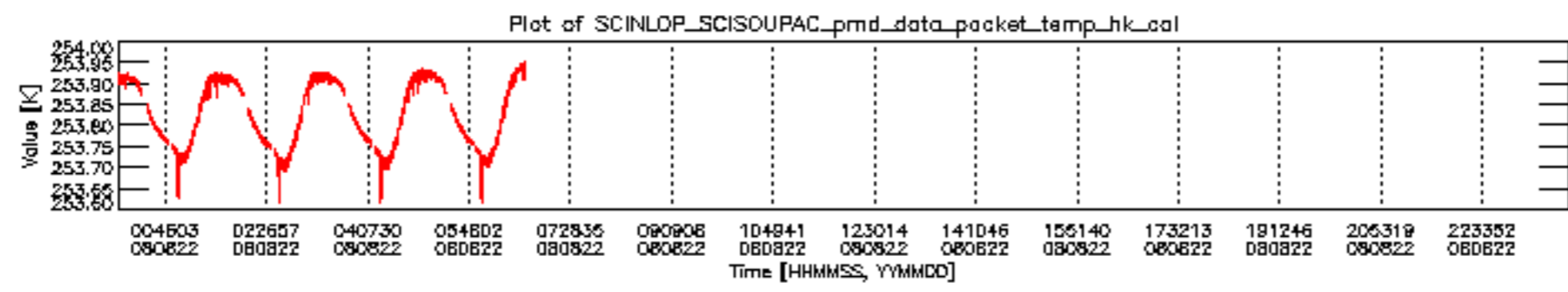


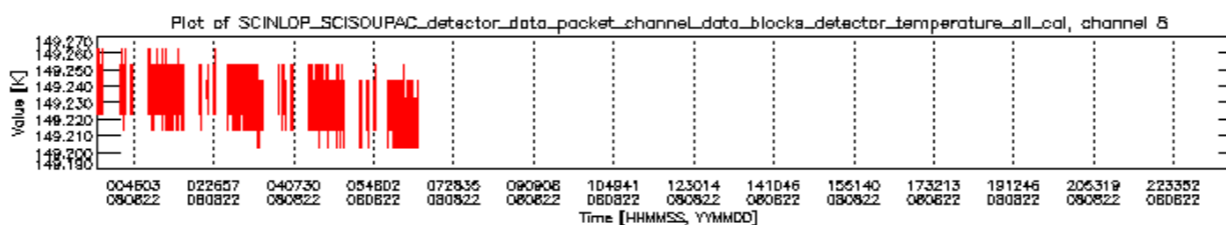
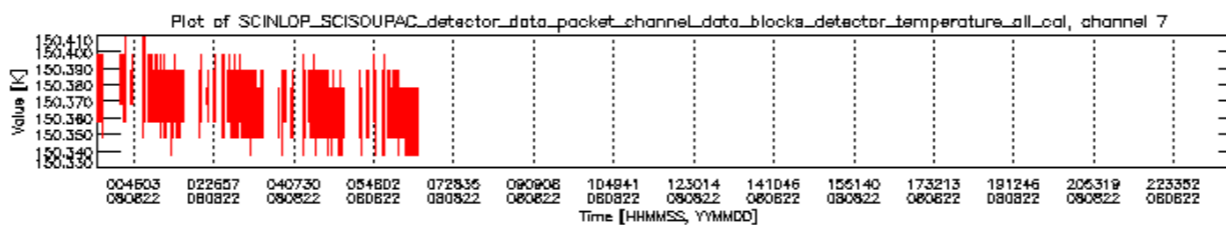
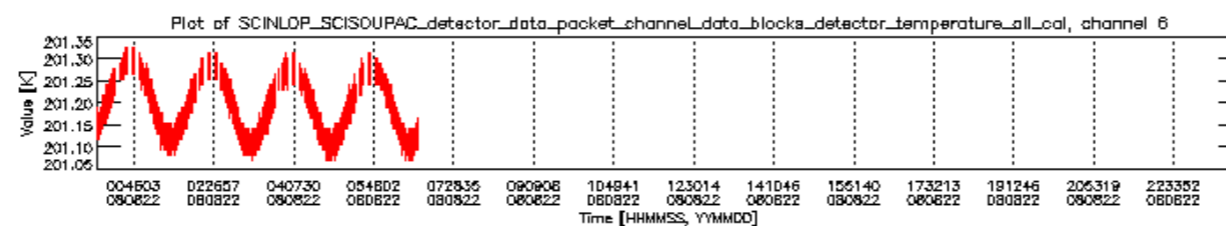
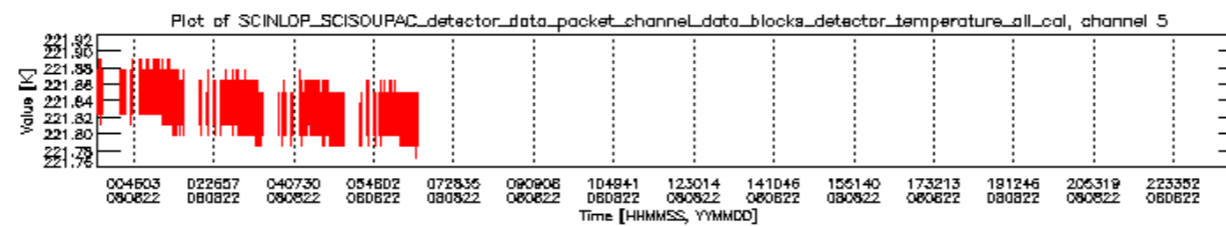
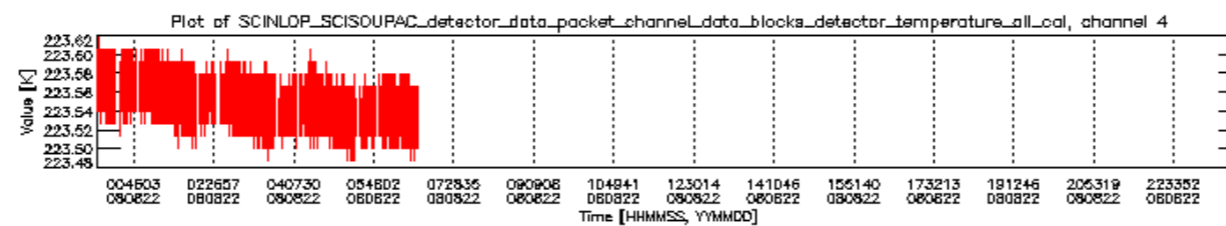
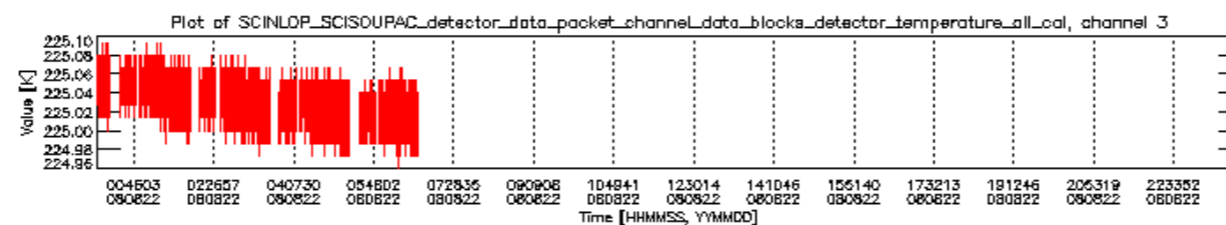
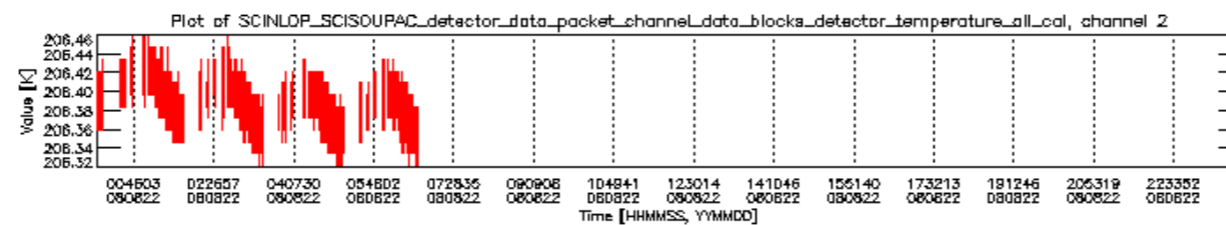
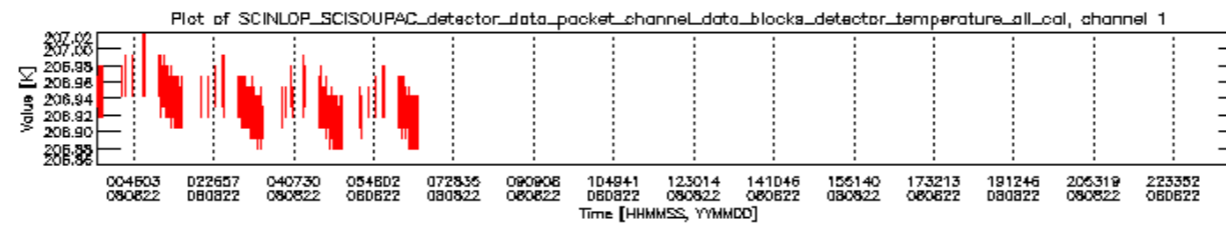
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080822_8.PNG

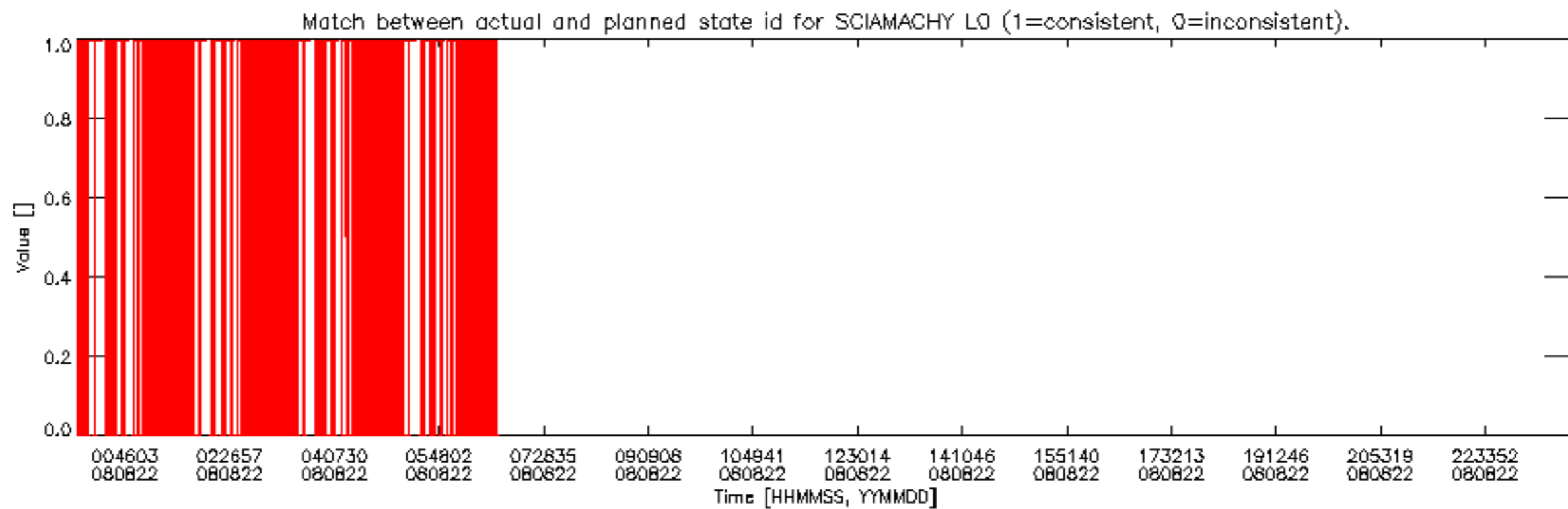
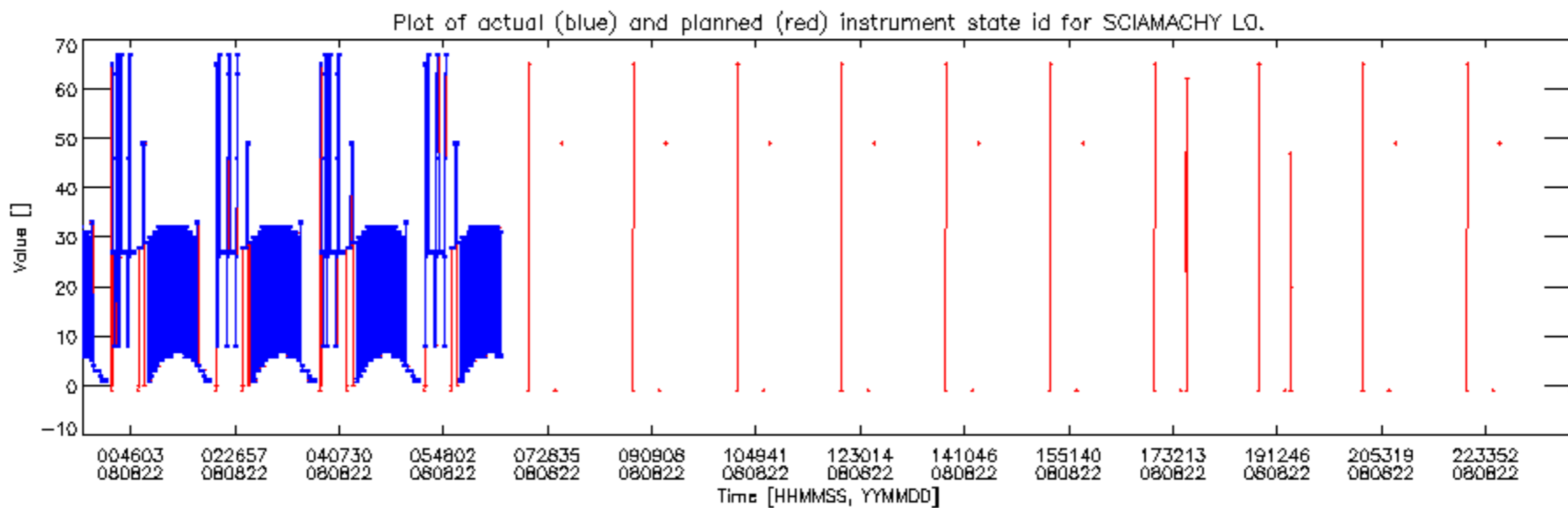












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