

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	22NOV2008 05:30:08
Data source version	KSPT_L0/4303-N
Processing scope for products	18NOV2008 00:00:00 to 19NOV2008 00:00:00
Start time of first product within scope	18NOV2008 11:47:23
Stop time of last product within scope	19NOV2008 00:34:27
Total number of level 0 products	9
Number of level 0 products with errors	1

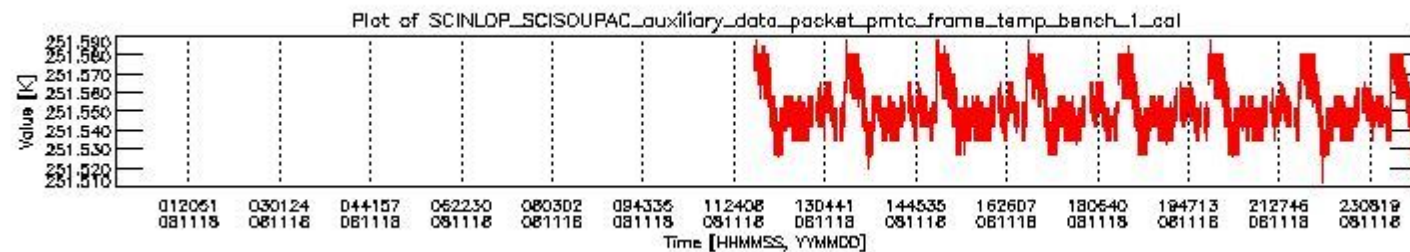
0.1.2 Summary per product

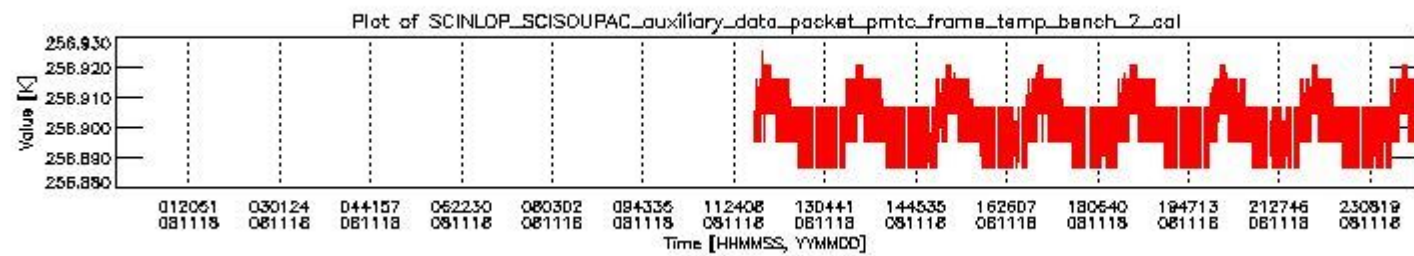
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20081118_114723_000001682074_00009_35133_9964.N1	18NOV2008 11:47:23	18NOV2008 11:50:11	0	0	0	0	0
1	SCI_NL__0PNPDK20081118_114819_000061482074_00009_35133_9965.N1	18NOV2008 11:48:19	18NOV2008 13:30:47	0	0	0	0	0
2	SCI_NL__0PNPDK20081118_132951_000057872074_00010_35134_9966.N1	18NOV2008 13:29:51	18NOV2008 15:06:18	0	0	0	0	0
3	SCI_NL__0PNPDK20081118_150618_000060362074_00011_35135_9967.N1	18NOV2008 15:06:18	18NOV2008 16:46:54	0	0	0	0	0
4	SCI_NL__0PNPDK20081118_164557_000059252074_00012_35136_9968.N1	18NOV2008 16:45:57	18NOV2008 18:24:41	1	0	1	0	0
5	SCI_NL__0PNPDK20081118_182346_000060362074_00013_35137_9969.N1	18NOV2008 18:23:46	18NOV2008 20:04:22	0	0	0	0	0
6	SCI_NL__0PNPDE20081118_200422_000041542074_00014_35138_7928.N1	18NOV2008 20:04:22	18NOV2008 21:13:36	0	0	0	0	0
7	SCI_NL__0PNPDE20081118_211227_000060972074_00014_35138_7929.N1	18NOV2008 21:12:27	18NOV2008 22:54:04	0	0	0	0	0
8	SCI_NL__0PNPDE20081118_225956_000056712074_00015_35139_7930.N1	18NOV2008 22:59:56	19NOV2008 00:34:27	0	0	0	0	0

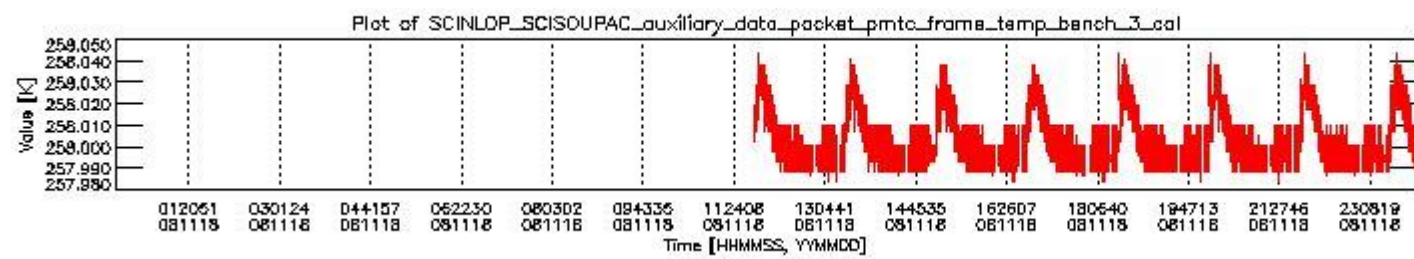
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

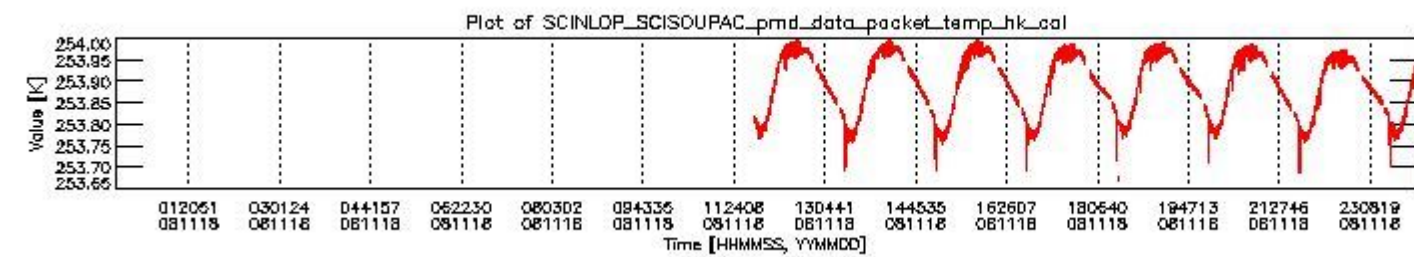




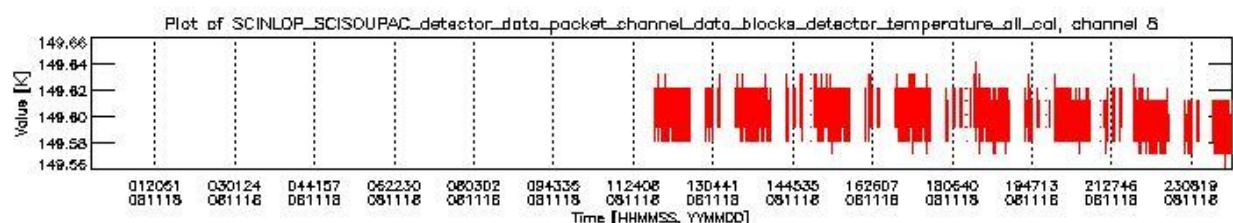
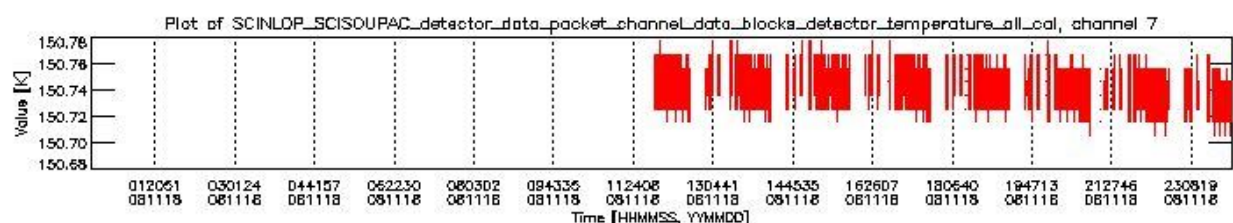
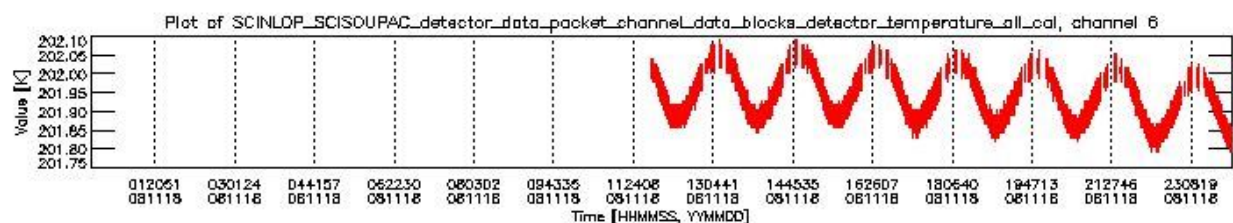
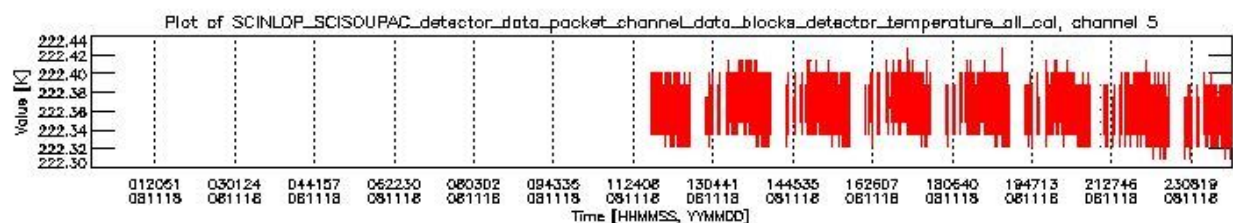
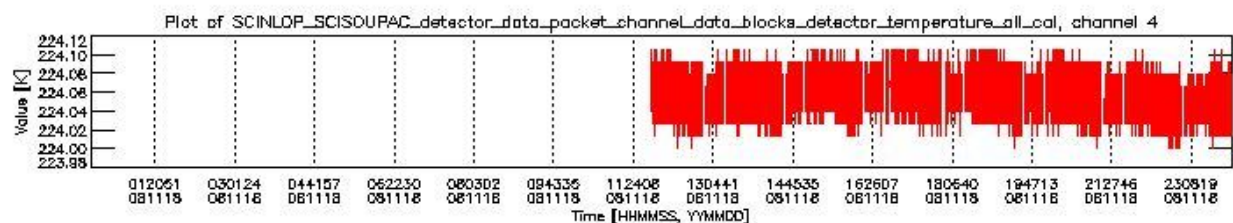
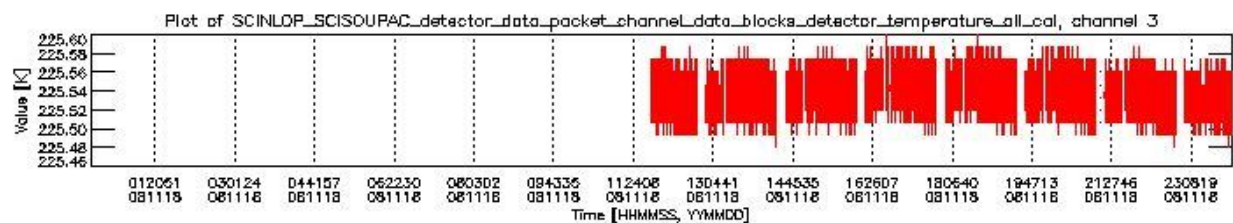
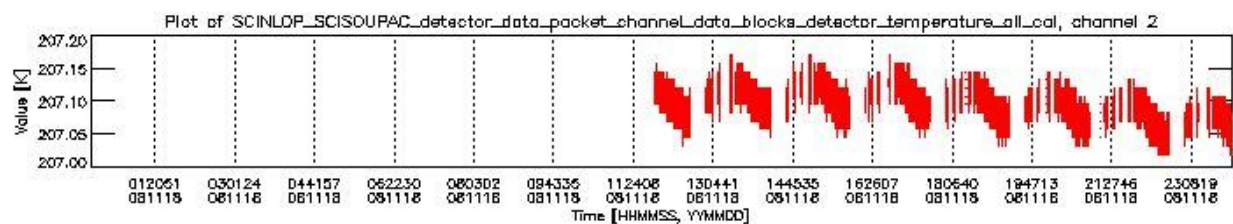
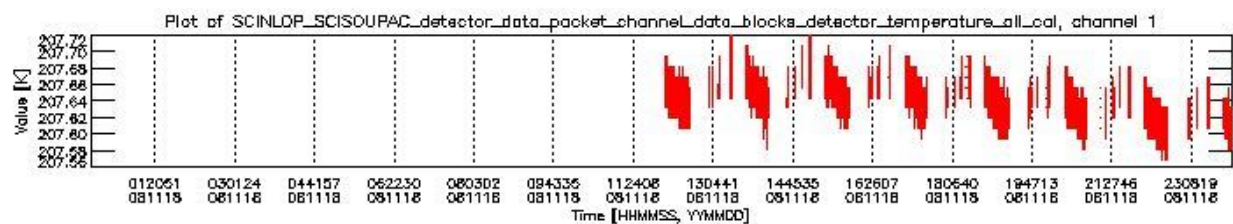
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081118_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081118_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081118_3.PNG

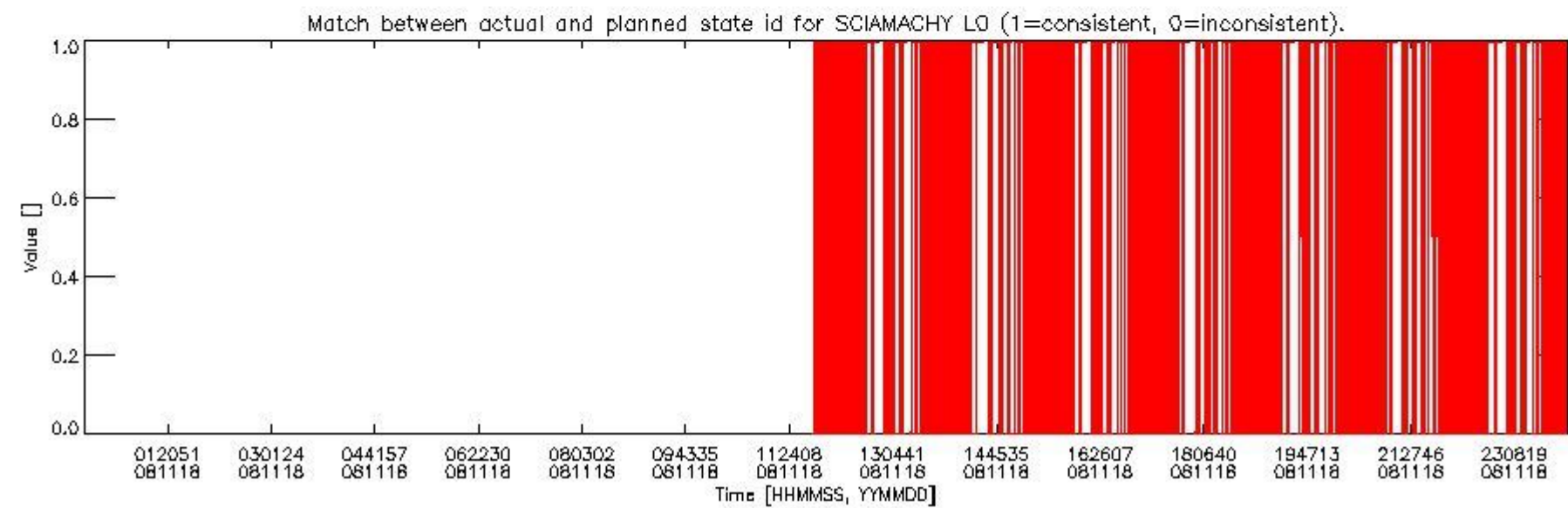
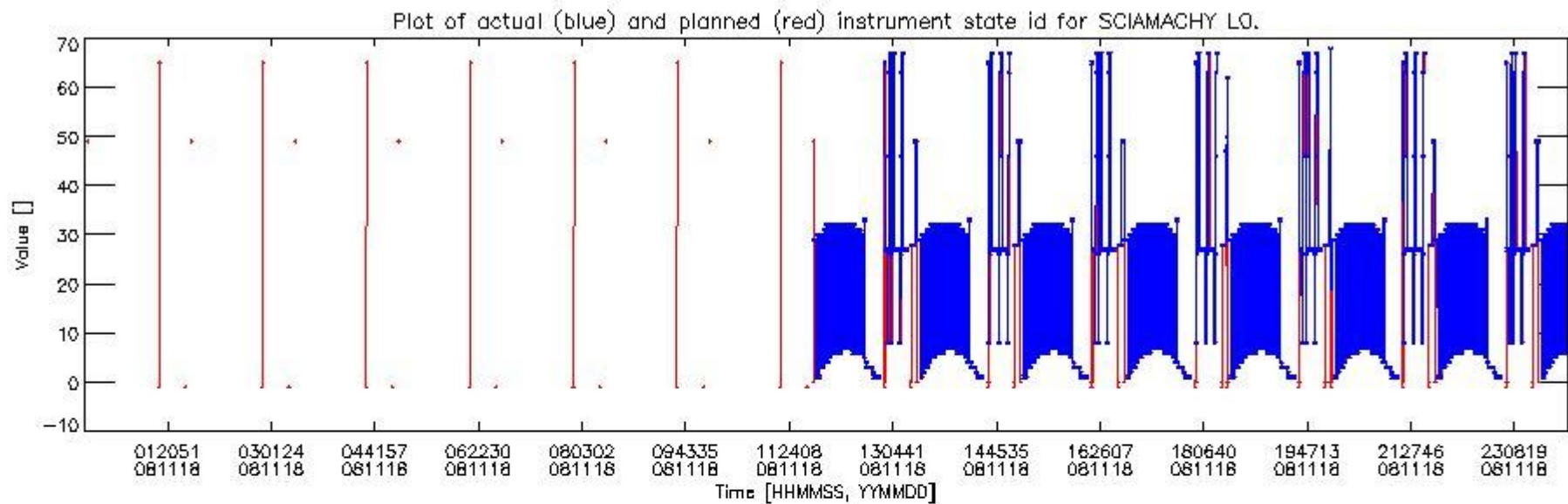


0.3 State monitoring

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: **32847**

#	Actual time	Actual value	Planned time	Planned value
0	18NOV2008 11:47:23.554334	29	18NOV2008 11:47:23.554334	0
1	18NOV2008 11:47:24.179316	29	18NOV2008 11:47:24.179316	0
2	18NOV2008 11:47:24.554329	29	18NOV2008 11:47:24.554329	0
3	18NOV2008 11:47:24.929342	29	18NOV2008 11:47:24.929342	0
4	18NOV2008 11:47:25.491841	29	18NOV2008 11:47:25.491841	0
5	18NOV2008 11:47:25.866814	29	18NOV2008 11:47:25.866814	0
6	18NOV2008 11:47:26.241827	29	18NOV2008 11:47:26.241827	0
7	18NOV2008 11:47:26.616840	29	18NOV2008 11:47:26.616840	0
8	18NOV2008 11:47:27.179340	29	18NOV2008 11:47:27.179340	0
9	18NOV2008 11:47:27.554313	29	18NOV2008 11:47:27.554313	0
10	18NOV2008 11:47:27.929326	29	18NOV2008 11:47:27.929326	0
11	18NOV2008 11:47:28.304339	29	18NOV2008 11:47:28.304339	0
12	18NOV2008 11:47:28.554347	29	18NOV2008 11:47:28.554347	0
13	18NOV2008 11:47:28.866838	29	18NOV2008 11:47:28.866838	0
14	18NOV2008 11:47:29.241851	29	18NOV2008 11:47:29.241851	0
15	18NOV2008 11:47:29.616824	29	18NOV2008 11:47:29.616824	0
16	18NOV2008 11:47:29.991837	29	18NOV2008 11:47:29.991837	0
17	18NOV2008 11:47:30.554337	29	18NOV2008 11:47:30.554337	0
18	18NOV2008 11:47:30.929350	29	18NOV2008 11:47:30.929350	0
19	18NOV2008 11:47:31.304322	29	18NOV2008 11:47:31.304322	0
...

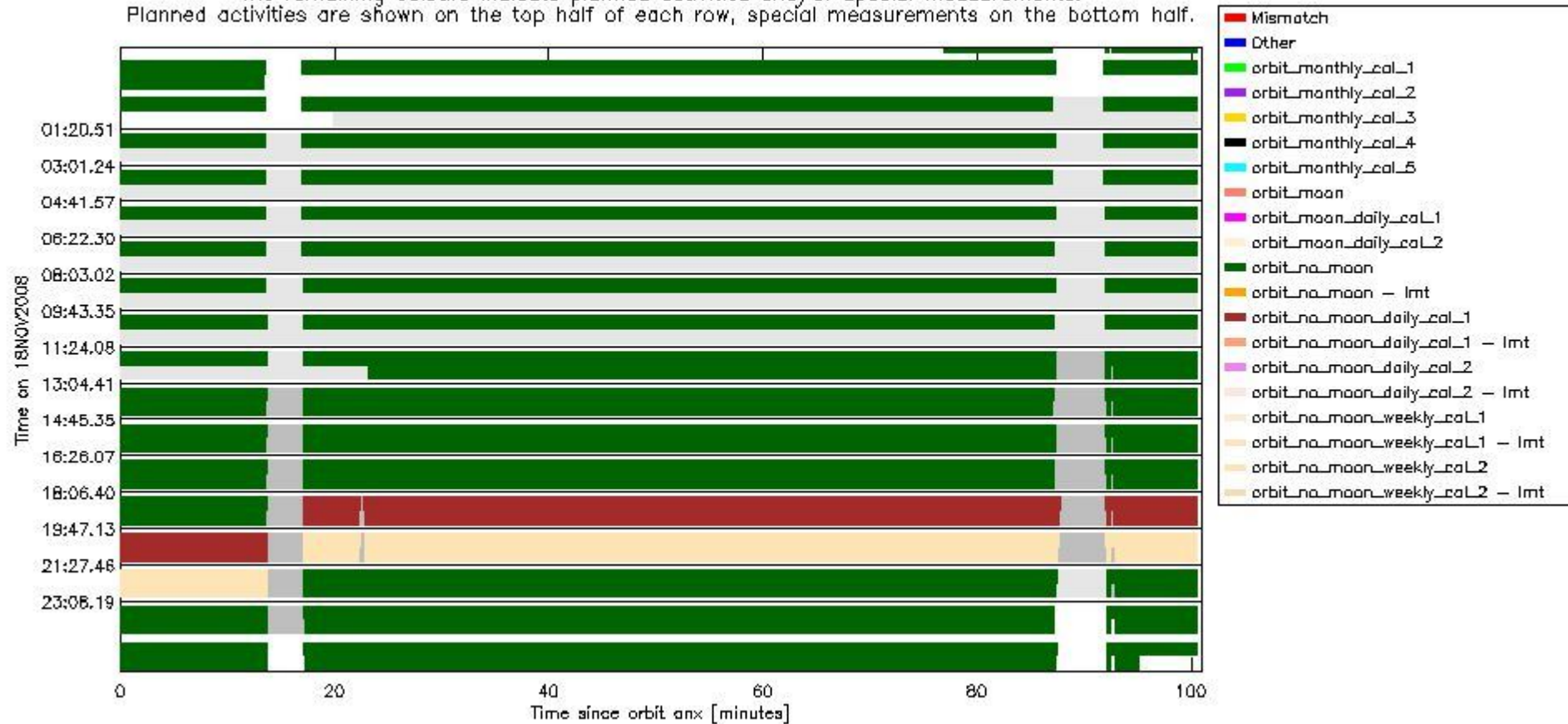


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081118_5.PNG

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 18NOV2008.
 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_20081118_6.PNG

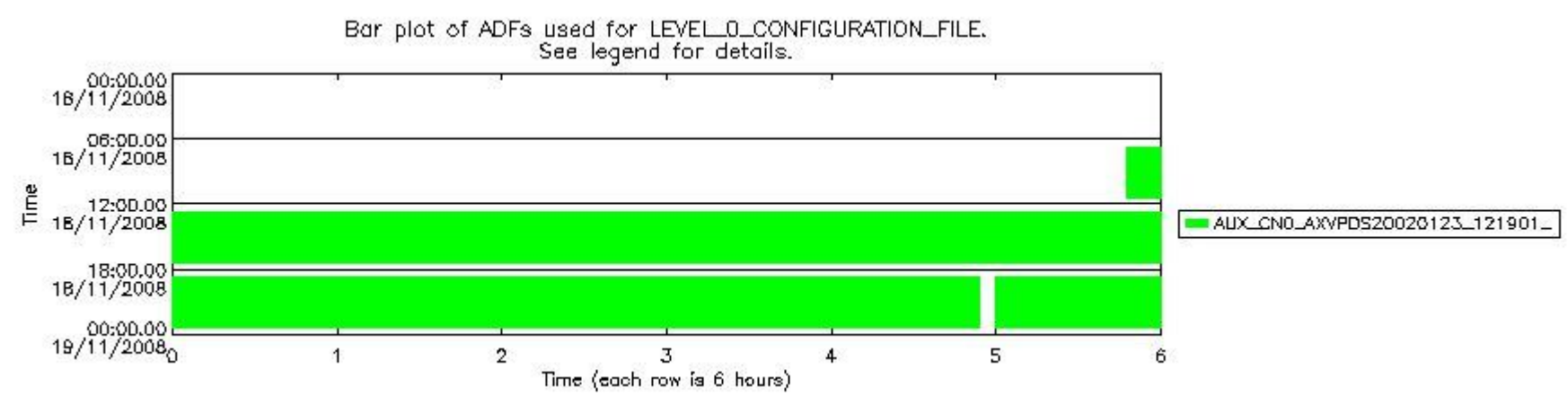
0.4 ADF monitoring

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

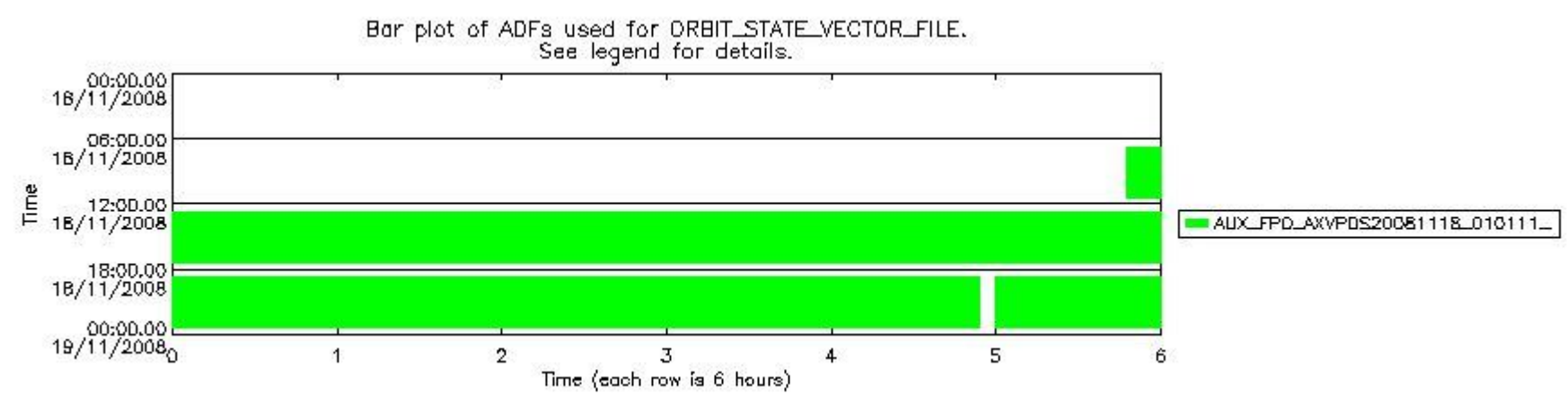
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

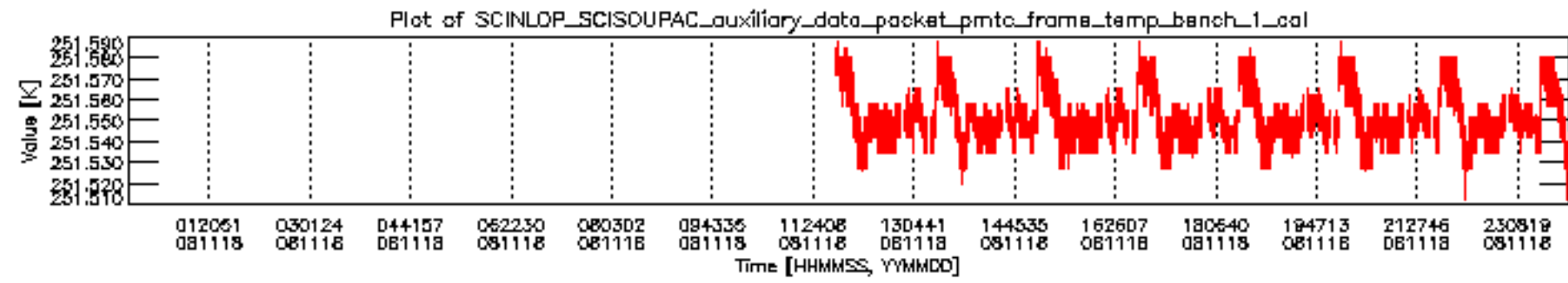
Number	ADF
	CNO (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081118_010111_20081117_183815_20081127_200427

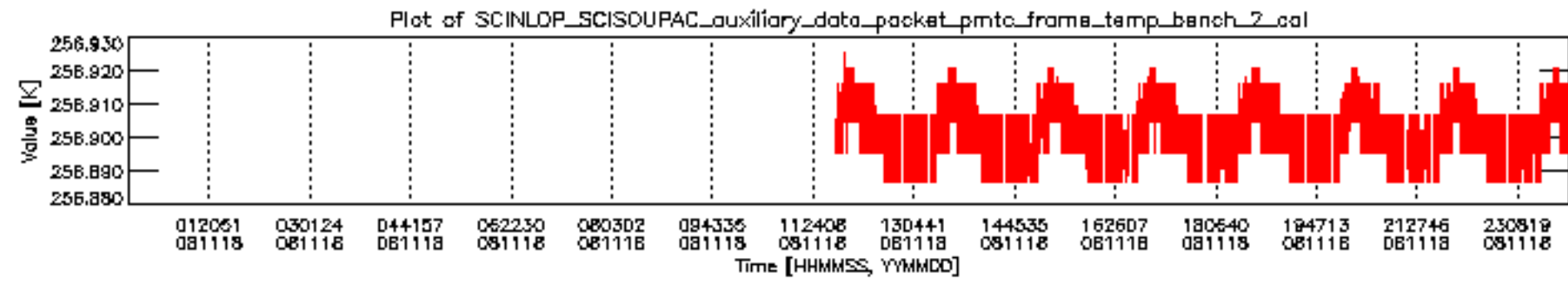


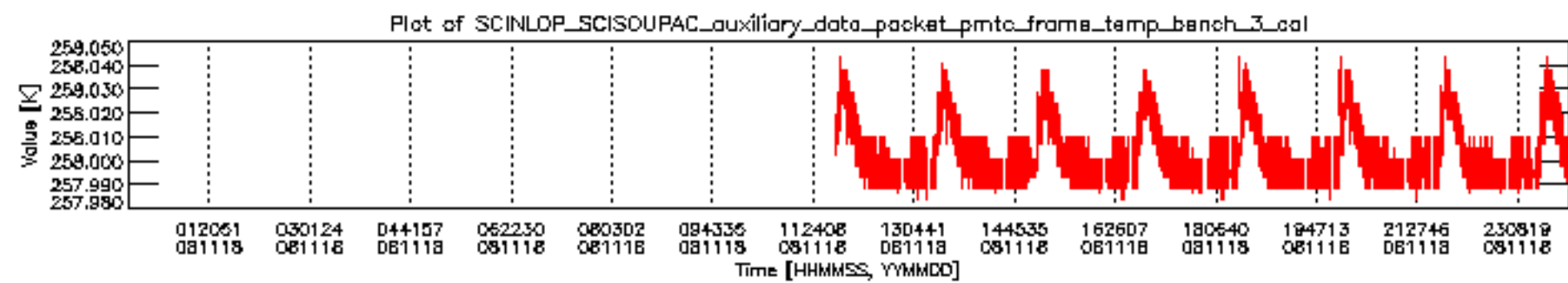
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081118_7.PNG

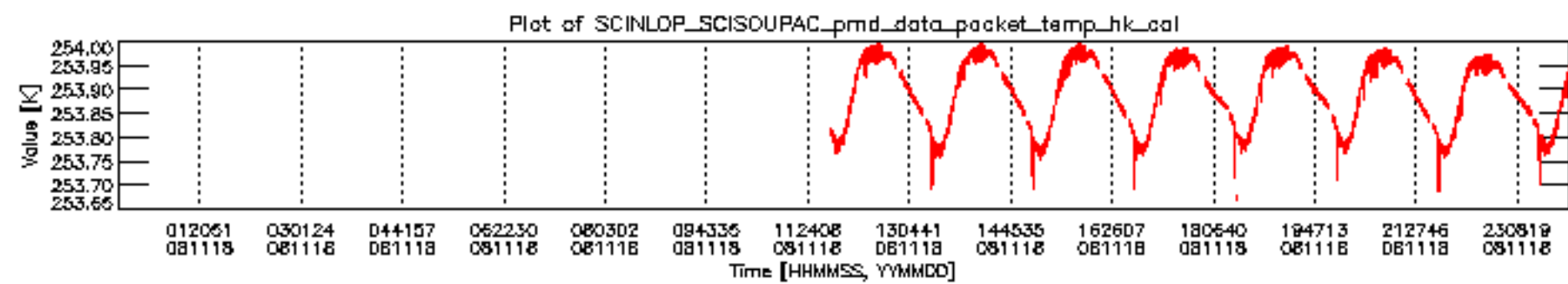


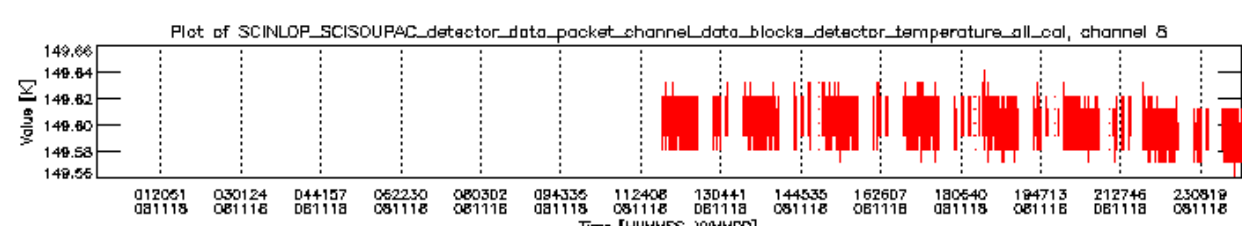
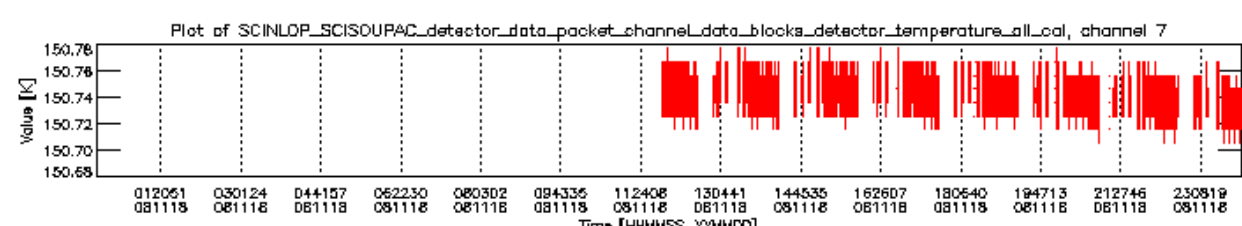
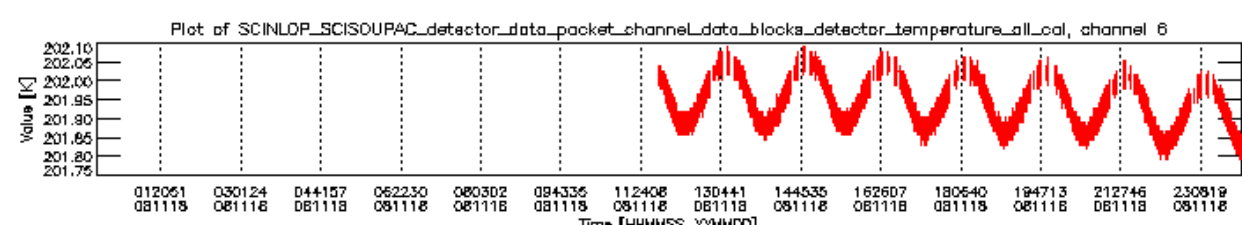
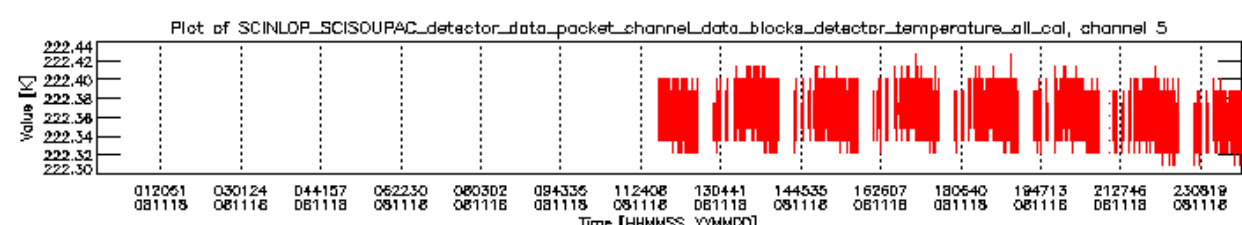
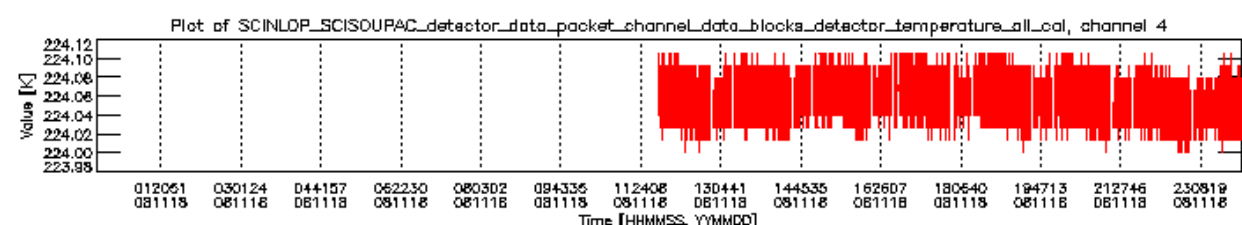
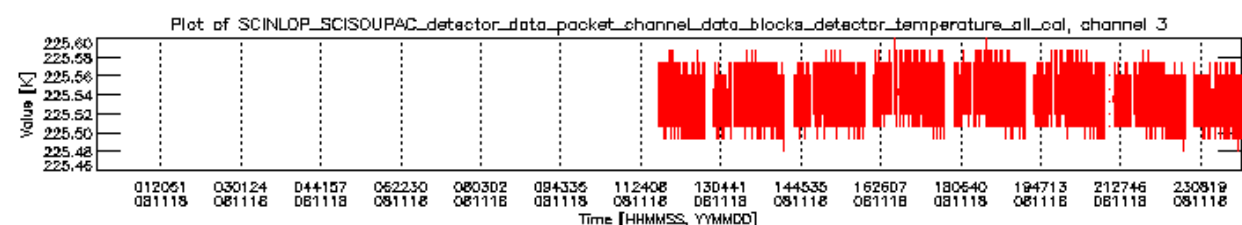
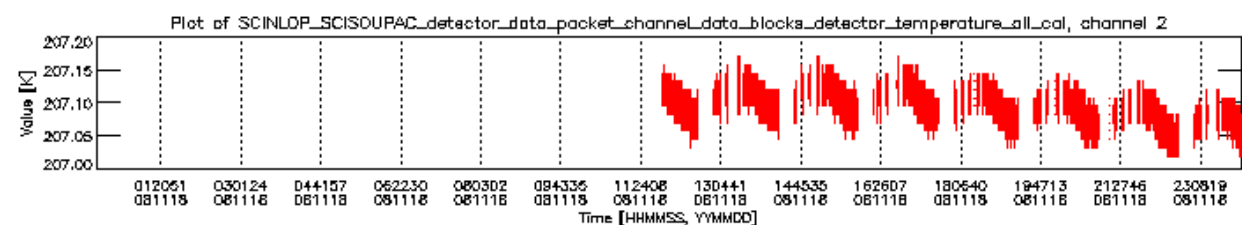
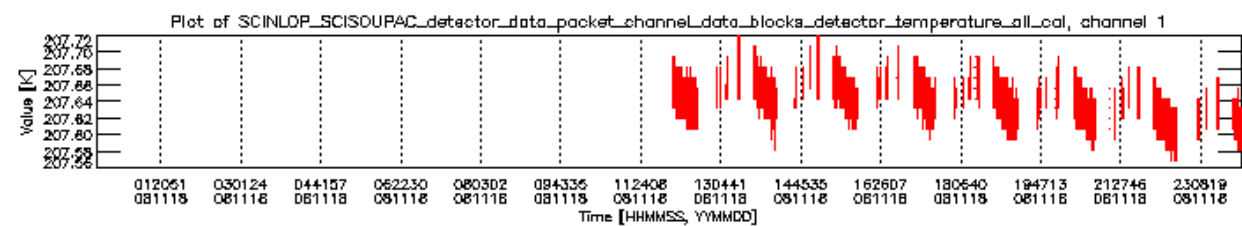
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081118_8.PNG

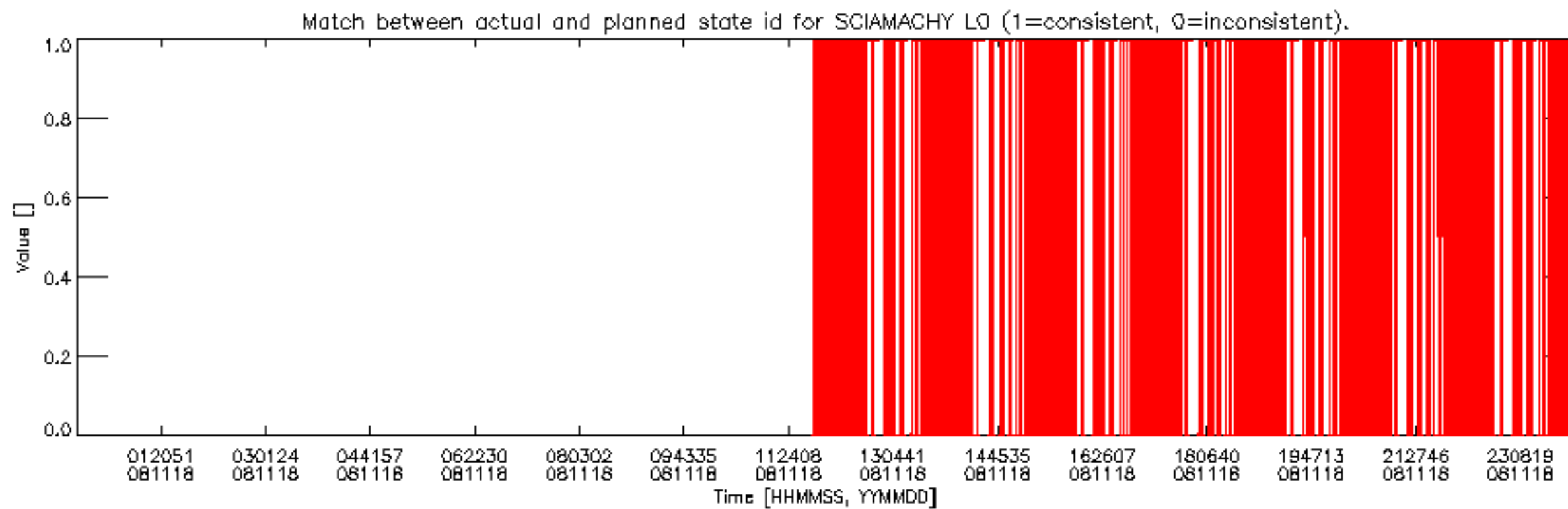
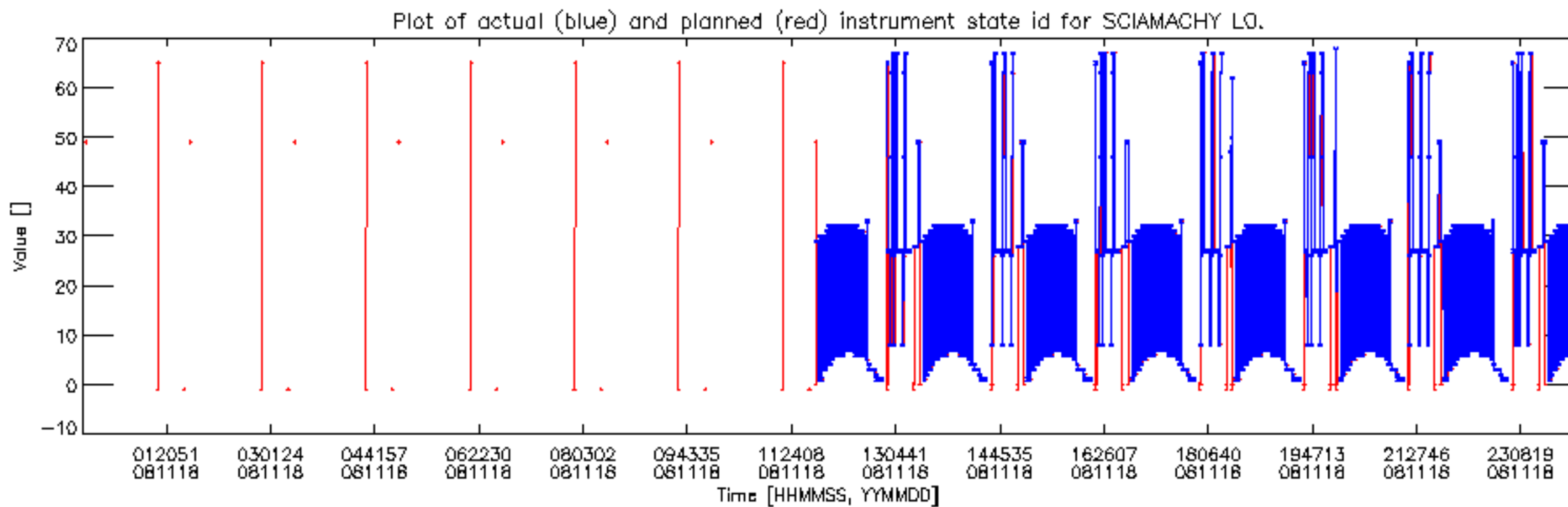












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