

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	21OCT2007 07:58:24
Data source version	KSPT_L0/4302-N
Processing scope for products	17OCT2007 00:00:00 to 18OCT2007 00:00:00
Start time of first product within scope	17OCT2007 01:17:33
Stop time of last product within scope	18OCT2007 00:46:03
Total number of level 0 products	15
Number of level 0 products with errors	1

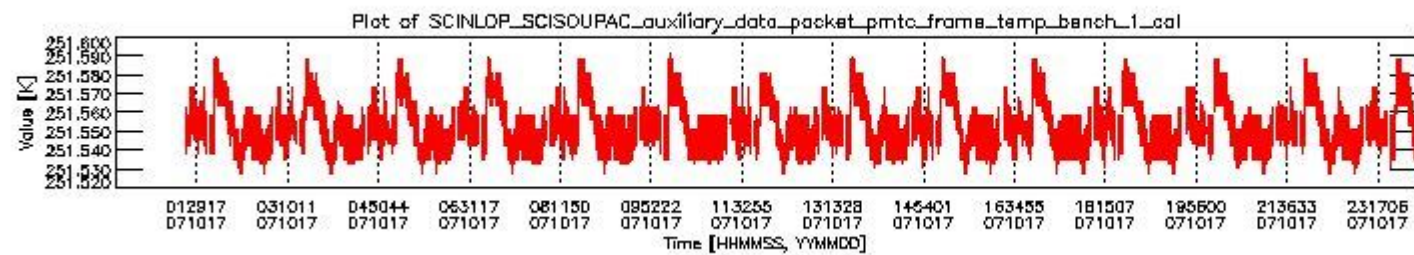
0.1.2 Summary per product

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

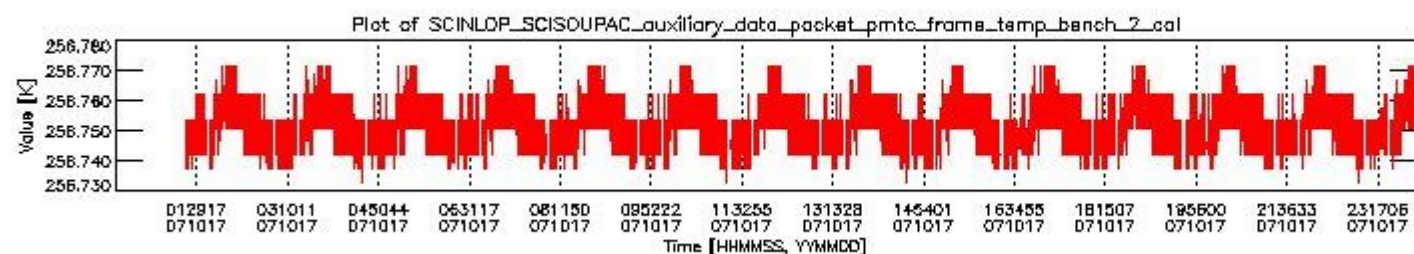
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20071017_011733_000042432062_00317_29429_5387.N1	17OCT2007 01:17:33	17OCT2007 02:28:17	0	0	0	0	0
1	SCI_NL__OPNPDE20071017_022721_000061612062_00318_29430_5388.N1	17OCT2007 02:27:21	17OCT2007 04:10:02	0	0	0	0	0
2	SCI_NL__OPNPDE20071017_040906_000060922062_00319_29431_5389.N1	17OCT2007 04:09:06	17OCT2007 05:50:38	0	0	0	0	0
3	SCI_NL__OPNPDE20071017_054930_000062982062_00320_29432_5390.N1	17OCT2007 05:49:30	17OCT2007 07:34:28	0	0	0	0	0
4	SCI_NL__OPNPDK20071017_073319_000037972062_00321_29433_6366.N1	17OCT2007 07:33:19	17OCT2007 08:36:36	0	0	0	0	0
5	SCI_NL__OPNPDK20071017_083527_000061732062_00322_29434_6367.N1	17OCT2007 08:35:27	17OCT2007 10:18:21	1	1	1	0	0
6	SCI_NL__OPNPDK20071017_101712_000060362062_00323_29435_6368.N1	17OCT2007 10:17:12	17OCT2007 11:57:48	0	0	0	0	0
7	SCI_NL__OPNPDK20071017_115640_000061052062_00324_29436_6369.N1	17OCT2007 11:56:40	17OCT2007 13:38:25	0	0	0	0	0
8	SCI_NL__OPNPDK20071017_133729_000058562062_00325_29437_6370.N1	17OCT2007 13:37:29	17OCT2007 15:15:05	0	0	0	0	0
9	SCI_NL__OPNPDK20071017_151151_000060362062_00326_29438_6371.N1	17OCT2007 15:11:51	17OCT2007 16:52:28	0	0	0	0	0
10	SCI_NL__OPNPDK20071017_165228_000058682062_00327_29439_6372.N1	17OCT2007 16:52:28	17OCT2007 18:30:16	0	0	0	0	0
11	SCI_NL__OPNPDK20071017_182920_000061482062_00328_29440_6373.N1	17OCT2007 18:29:20	17OCT2007 20:11:48	0	0	0	0	0
12	SCI_NL__OPNPDE20071017_200956_000041662062_00329_29441_5391.N1	17OCT2007 20:09:56	17OCT2007 21:19:22	0	0	0	0	0
13	SCI_NL__OPNPDE20071017_212450_000060362062_00329_29441_5392.N1	17OCT2007 21:24:50	17OCT2007 23:05:27	0	0	0	0	0
14	SCI_NL__OPNPDE20071017_230527_000060362062_00330_29442_5393.N1	17OCT2007 23:05:27	18OCT2007 00:46:03	0	0	0	0	0

0.2 Product Quality Indicators

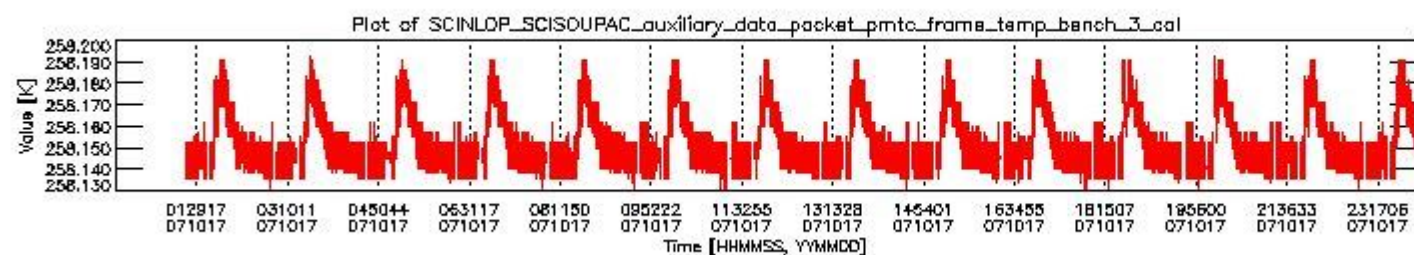
This section shows information about product quality, currently temperatures.



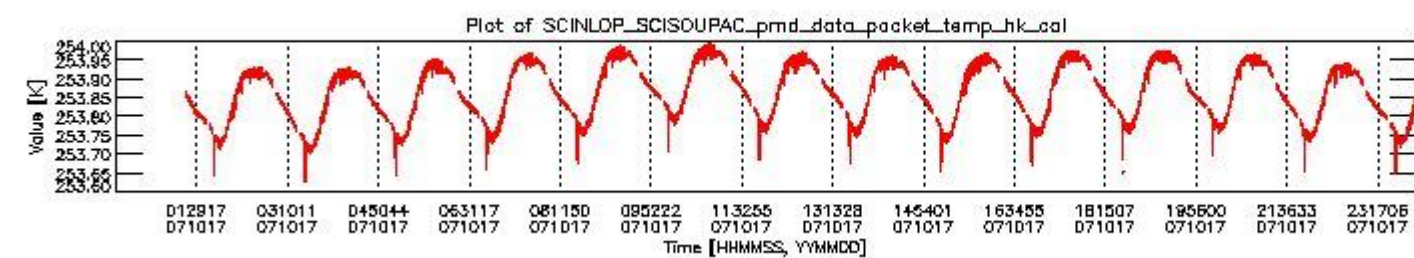
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071017_0.PNG



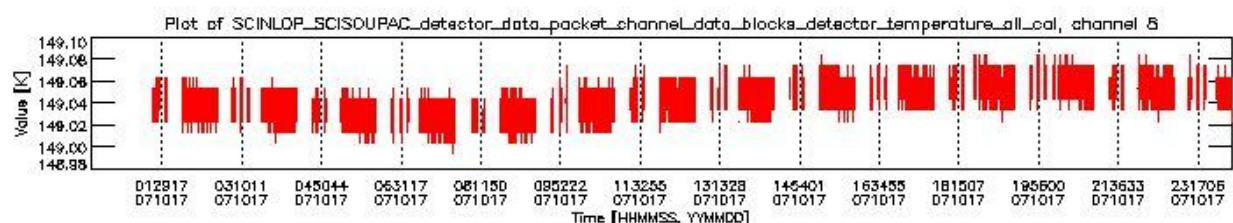
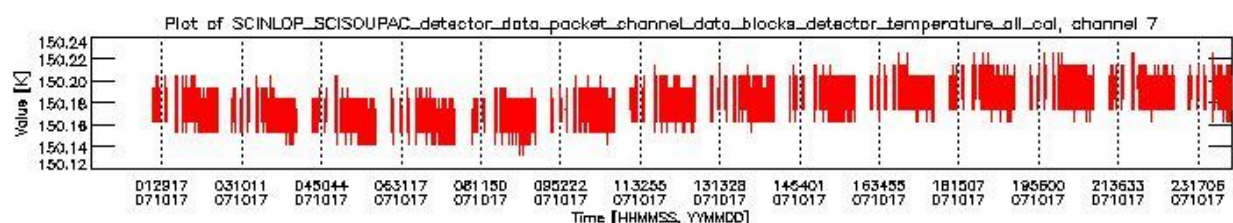
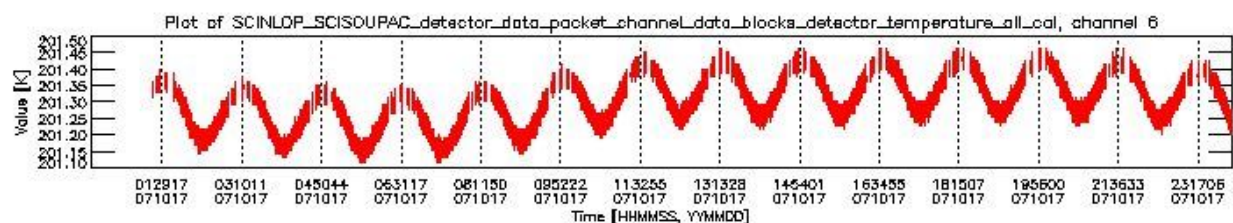
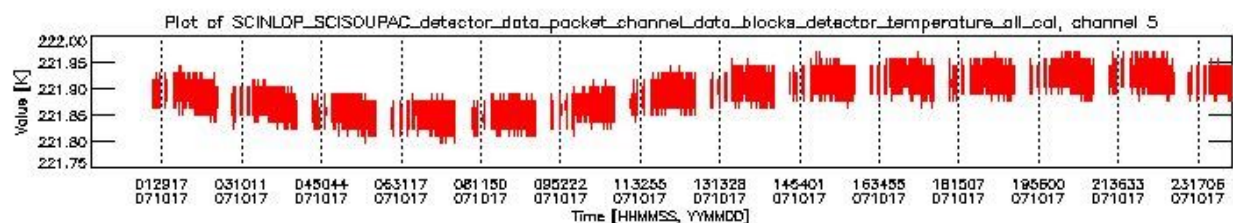
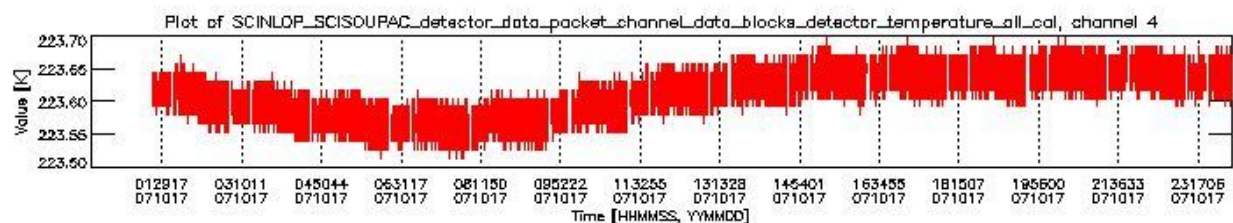
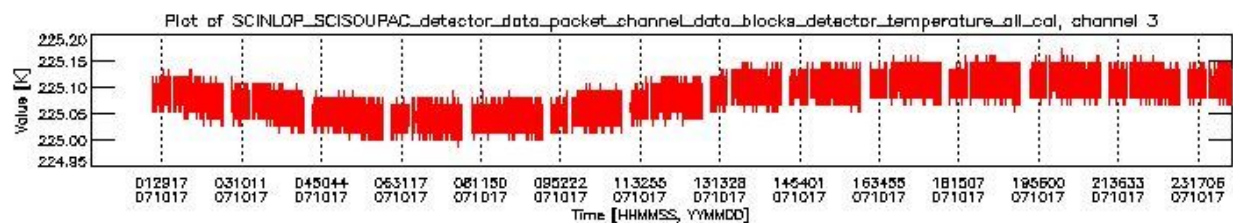
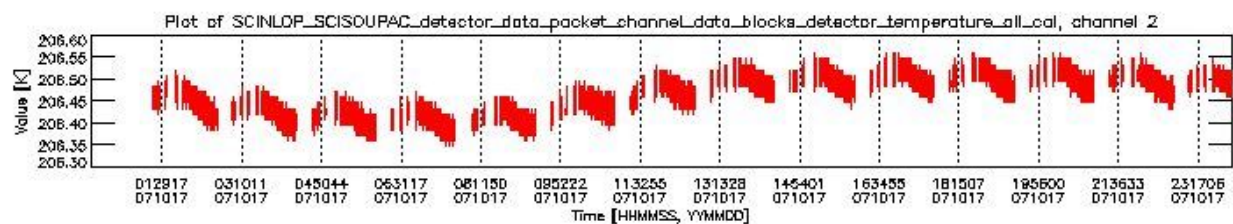
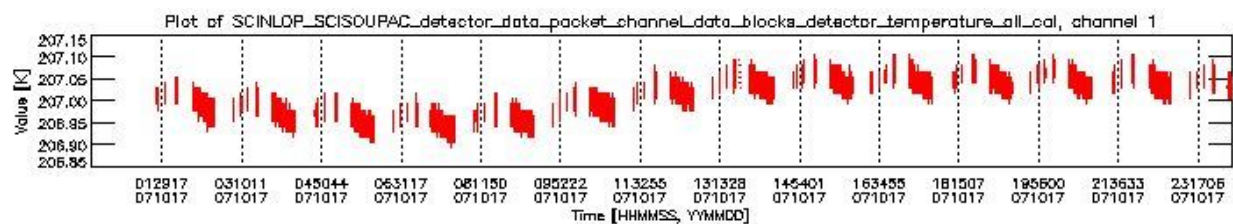
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sciamachy_daily_report_level0_KSPT_L0_4302_N_20071017_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071017_3.PNG

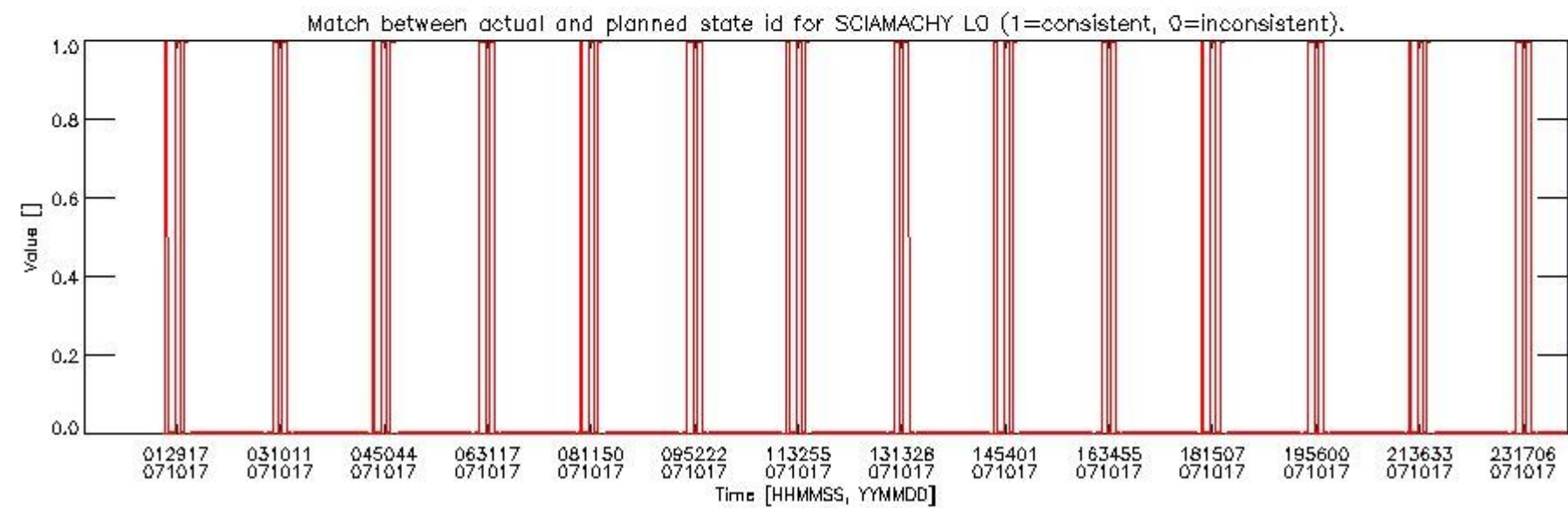
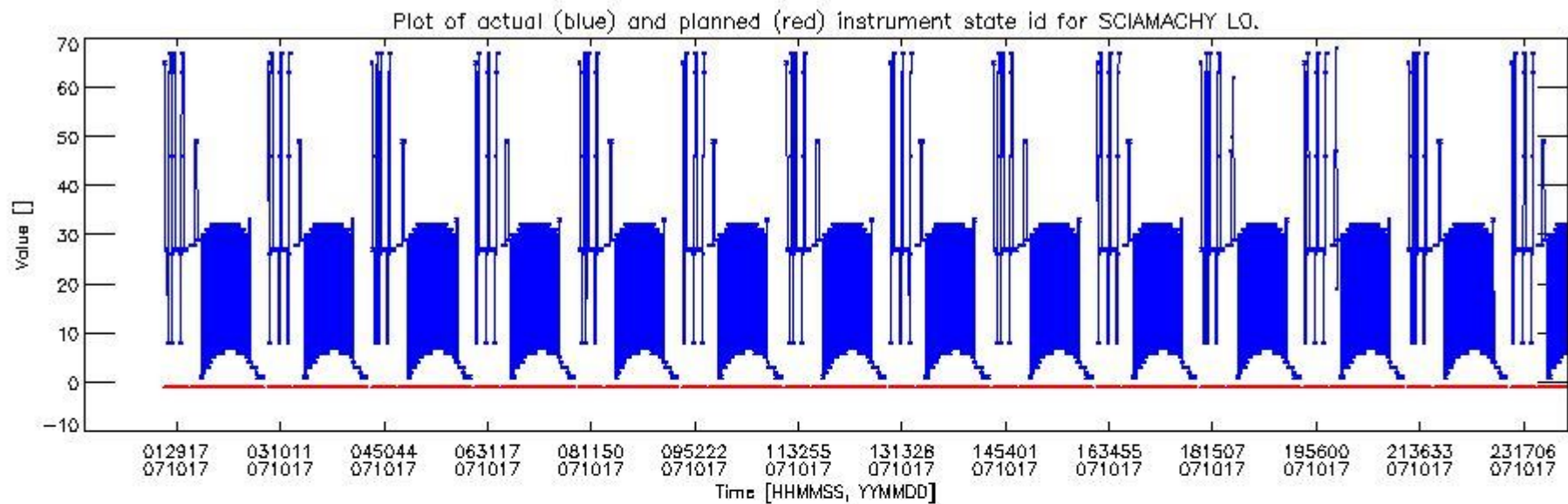


0.3 State monitoring

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: **344933**

#	Actual time	Actual value	Planned time	Planned value
0	17OCT2007 01:17:33.707327	65	17OCT2007 01:17:33.707327	-1
1	17OCT2007 01:17:34.332349	65	17OCT2007 01:17:34.332349	-1
2	17OCT2007 01:17:34.832366	65	17OCT2007 01:17:34.832366	-1
3	17OCT2007 01:17:35.332343	65	17OCT2007 01:17:35.332343	-1
4	17OCT2007 01:17:35.832361	65	17OCT2007 01:17:35.832361	-1
5	17OCT2007 01:17:36.332338	65	17OCT2007 01:17:36.332338	-1
6	17OCT2007 01:17:36.832355	65	17OCT2007 01:17:36.832355	-1
7	17OCT2007 01:17:37.332332	65	17OCT2007 01:17:37.332332	-1
8	17OCT2007 01:17:37.832350	65	17OCT2007 01:17:37.832350	-1
9	17OCT2007 01:17:38.332327	65	17OCT2007 01:17:38.332327	-1
10	17OCT2007 01:17:38.707340	65	17OCT2007 01:17:38.707340	-1
11	17OCT2007 01:17:38.832344	65	17OCT2007 01:17:38.832344	-1
12	17OCT2007 01:17:39.332362	65	17OCT2007 01:17:39.332362	-1
13	17OCT2007 01:17:39.832339	65	17OCT2007 01:17:39.832339	-1
14	17OCT2007 01:17:40.332356	65	17OCT2007 01:17:40.332356	-1
15	17OCT2007 01:17:40.832334	65	17OCT2007 01:17:40.832334	-1
16	17OCT2007 01:17:41.332351	65	17OCT2007 01:17:41.332351	-1
17	17OCT2007 01:17:41.832328	65	17OCT2007 01:17:41.832328	-1
18	17OCT2007 01:17:42.332346	65	17OCT2007 01:17:42.332346	-1
19	17OCT2007 01:17:42.832363	65	17OCT2007 01:17:42.832363	-1

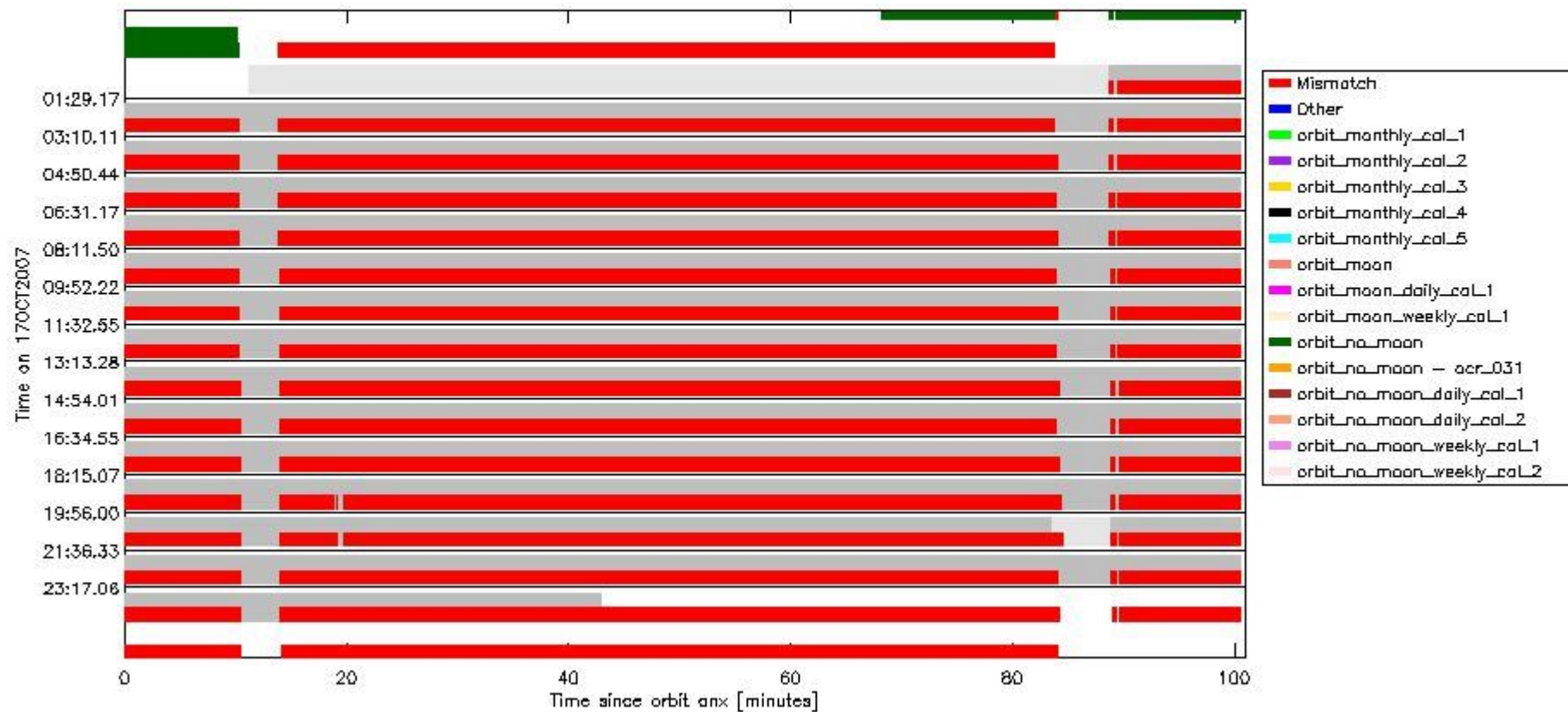


sciamachy_daily_report_level0_KSPT_L0_4302_N_20071017_5.PNG

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 17OCT2007.
 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_4302_N_20071017_6.PNG

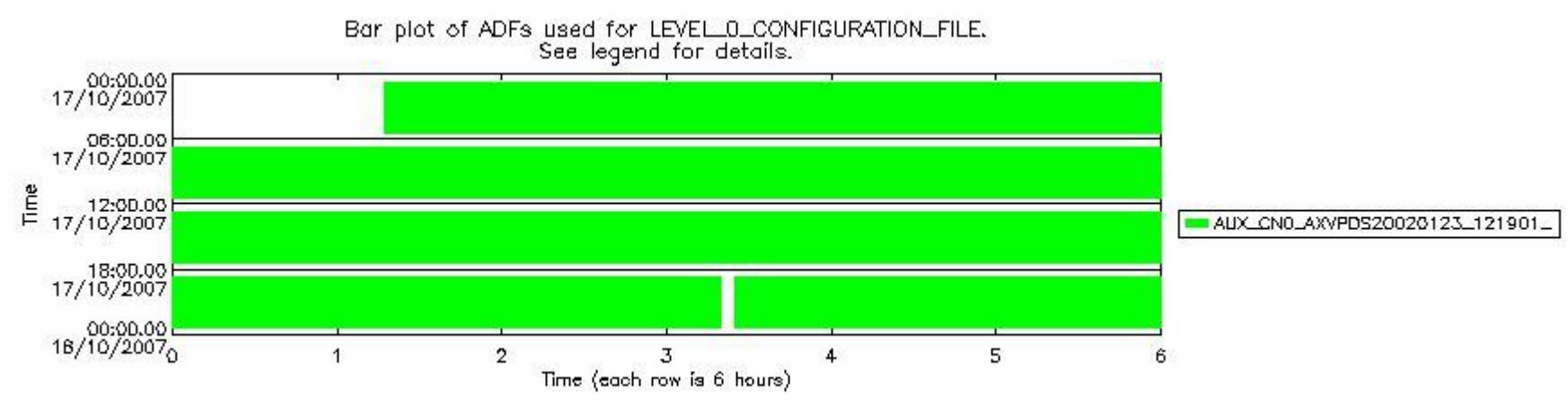
0.4 ADF monitoring

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

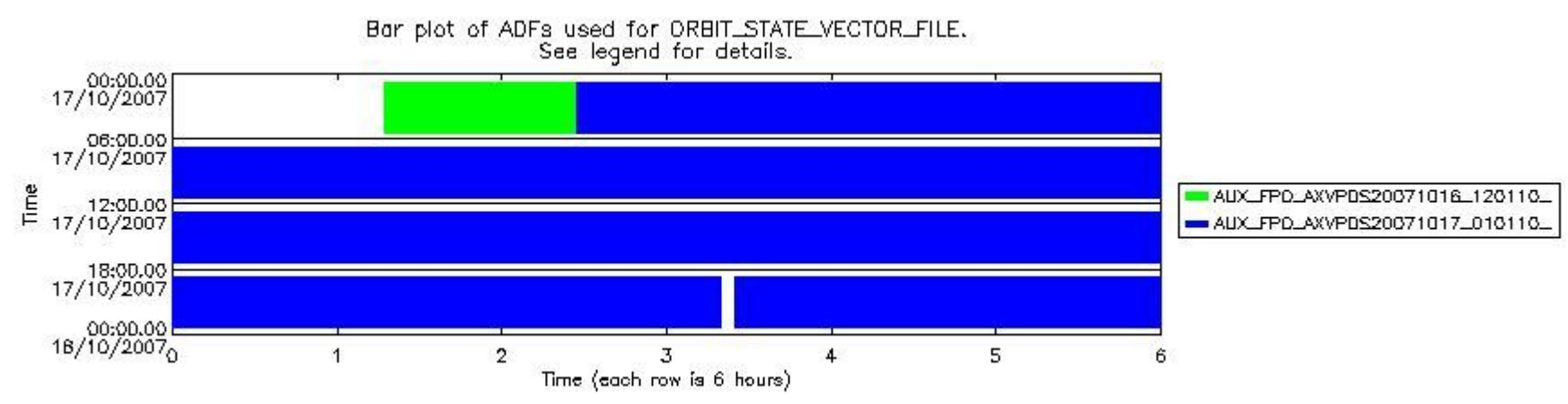
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

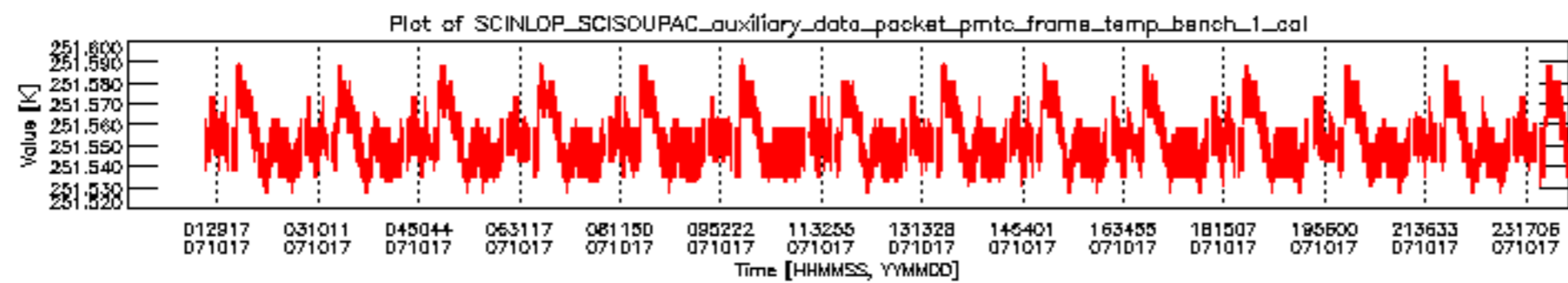
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20071016_120110_20071015_191835_20071025_204448
2	AUX_FPO_AXVPDS20071017_010110_20071016_184658_20071026_201311

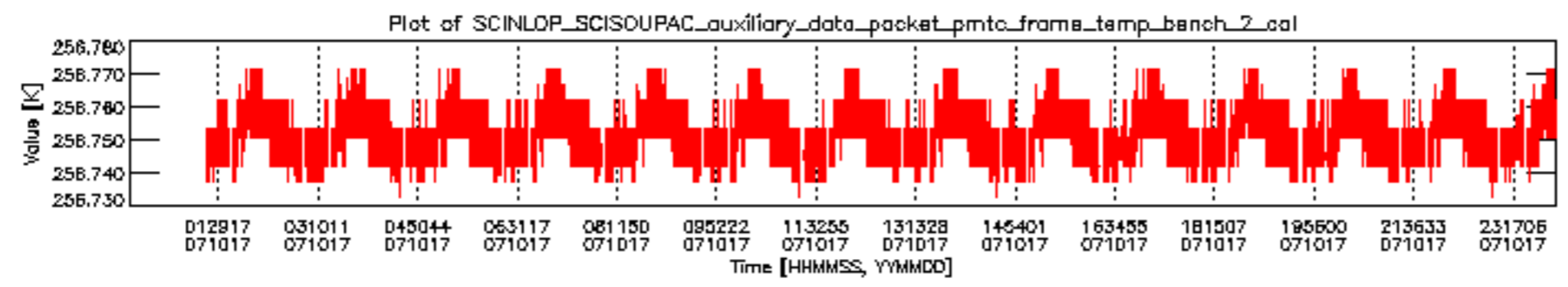


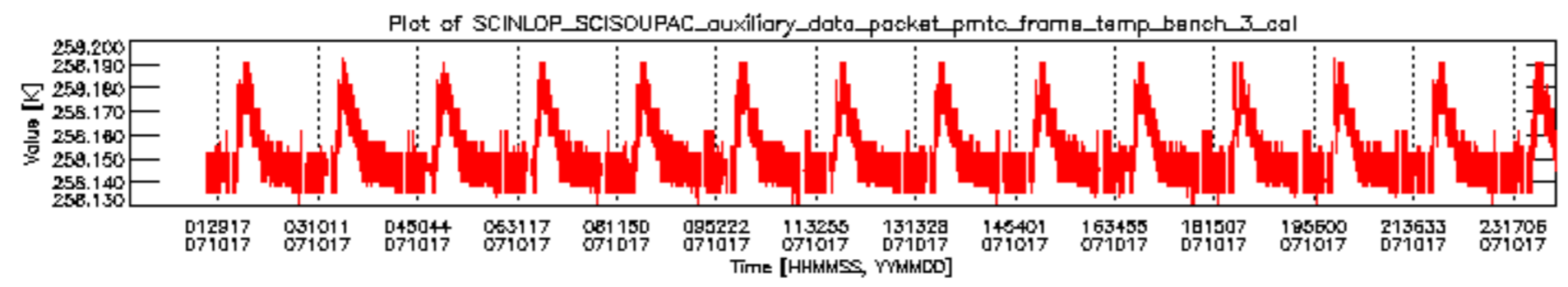
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071017_7.PNG

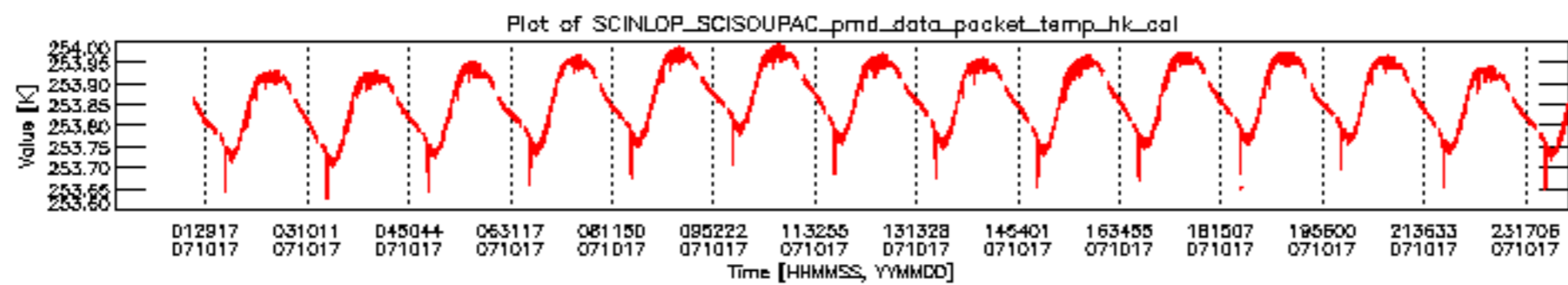


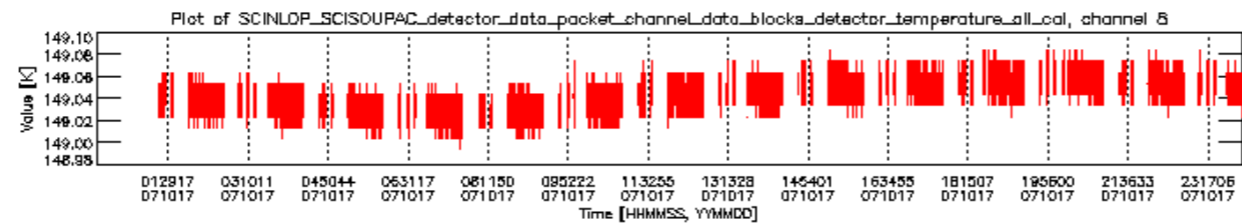
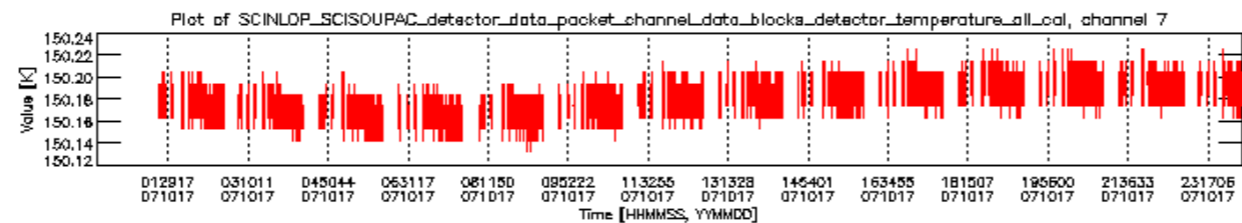
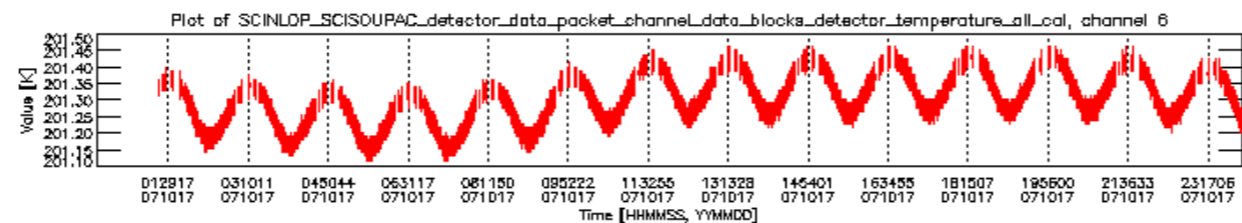
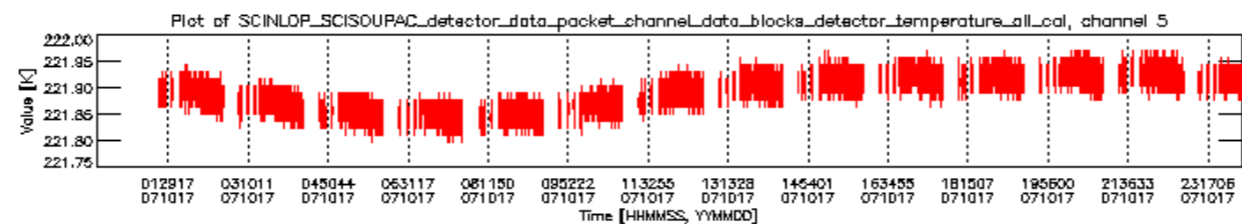
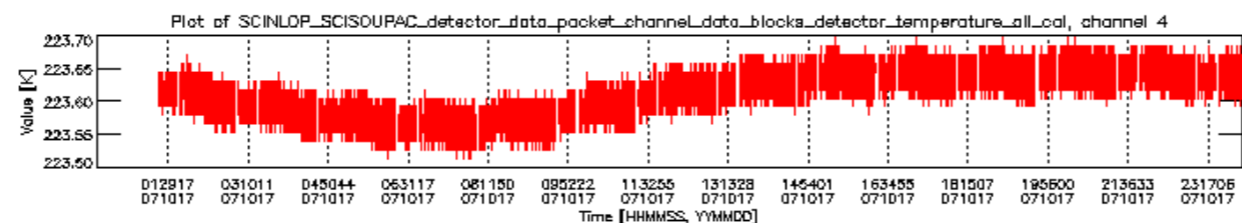
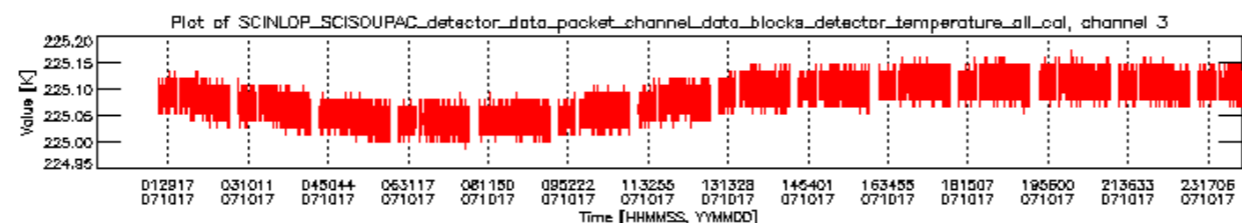
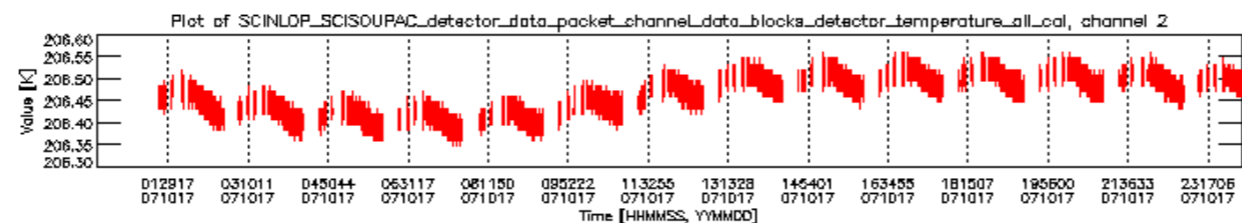
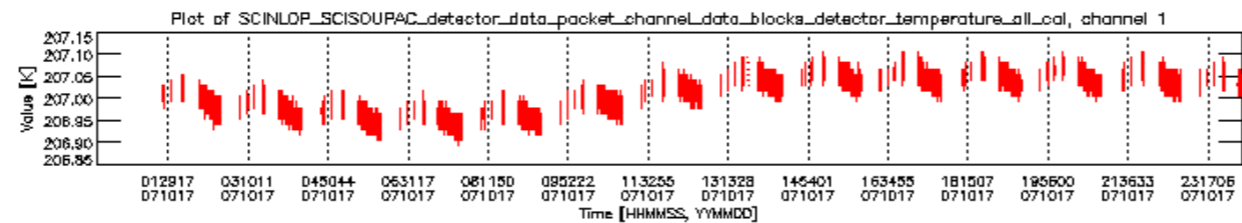
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071017_8.PNG

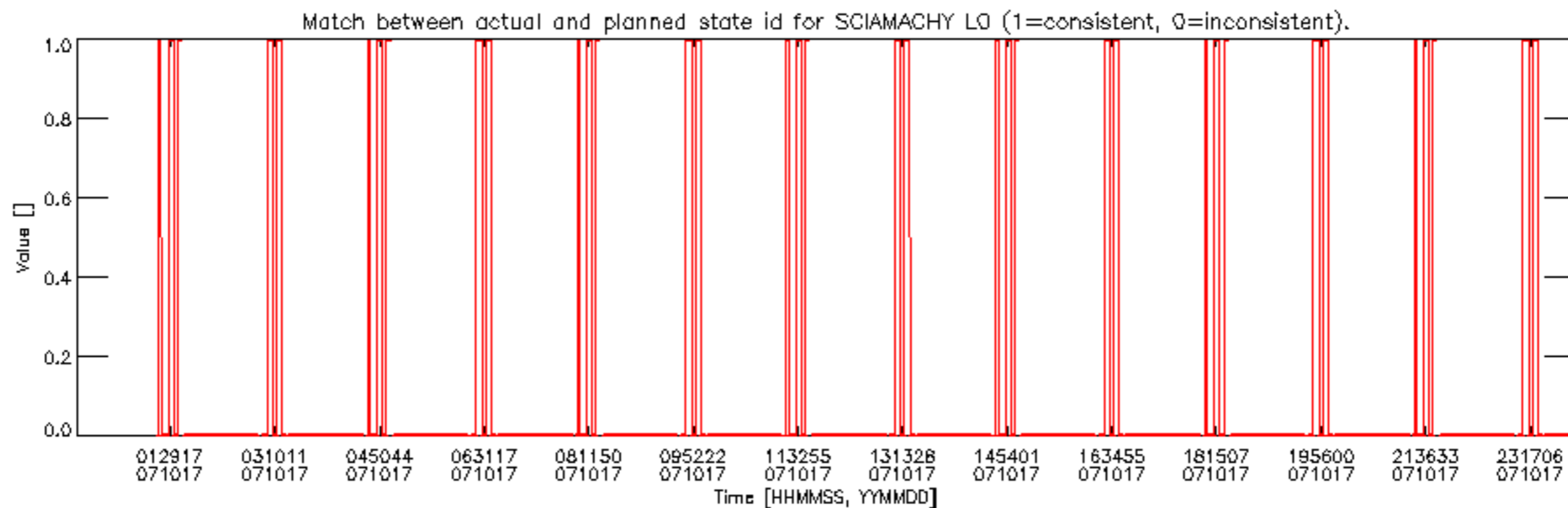
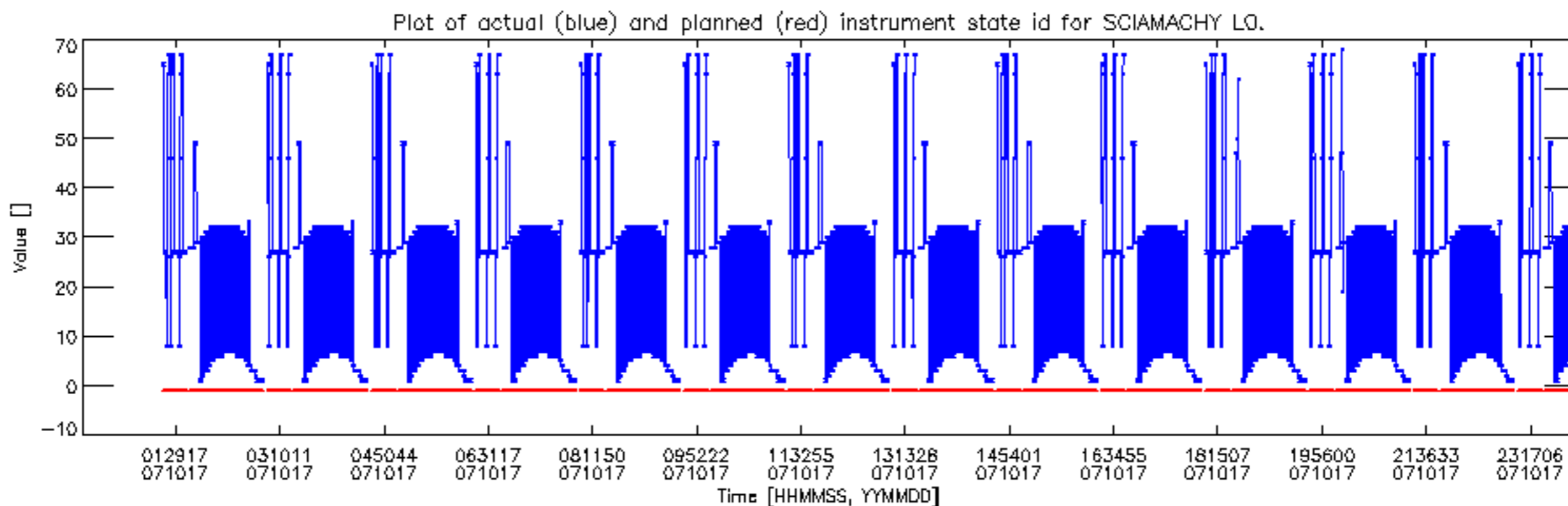












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