

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	25NOV2007 04:22:33
Data source version	KSPT_L0/4302-N
Processing scope for products	21NOV2007 00:00:00 to 22NOV2007 00:00:00
Start time of first product within scope	20NOV2007 23:34:15
Stop time of last product within scope	22NOV2007 00:43:30
Total number of level 0 products	16
Number of level 0 products with errors	1

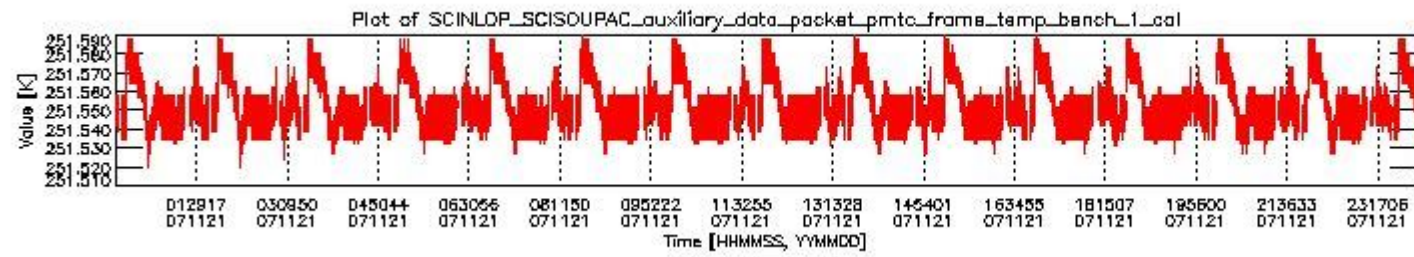
0.1.2 Summary per product

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

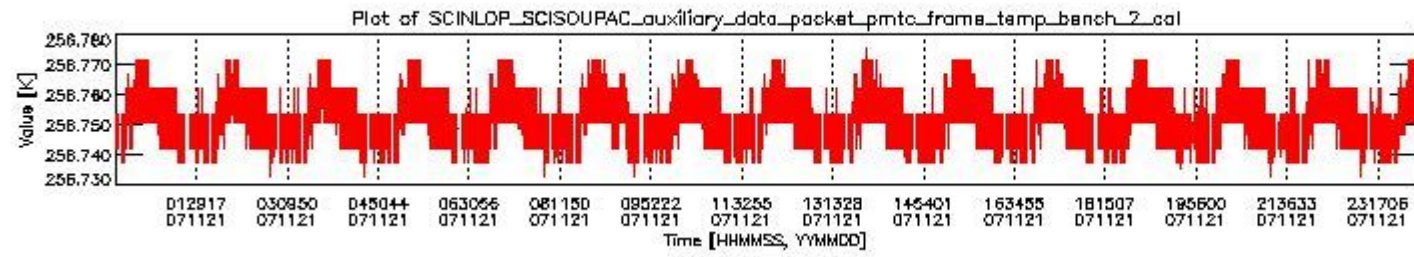
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDE20071120_233415_000060492063_00316_29929_5619.N1	20NOV2007 23:34:15	21NOV2007 01:15:03	0	0	0	0	0
1	SCI_NL__0PNPDE20071121_011503_000044112063_00317_29930_5620.N1	21NOV2007 01:15:03	21NOV2007 02:28:34	0	0	0	0	0
2	SCI_NL__0PNPDE20071121_022834_000061612063_00318_29931_5621.N1	21NOV2007 02:28:34	21NOV2007 04:11:15	0	0	0	0	0
3	SCI_NL__0PNPDE20071121_041019_000060922063_00319_29932_5622.N1	21NOV2007 04:10:19	21NOV2007 05:51:51	0	0	0	0	0
4	SCI_NL__0PNPDE20071121_055043_000062292063_00320_29933_5623.N1	21NOV2007 05:50:43	21NOV2007 07:34:32	0	0	0	0	0
5	SCI_NL__0PNPDK20071121_073336_000038522063_00321_29934_6688.N1	21NOV2007 07:33:36	21NOV2007 08:37:48	0	0	0	0	0
6	SCI_NL__0PNPDK20071121_083653_000062162063_00322_29935_6689.N1	21NOV2007 08:36:53	21NOV2007 10:20:29	0	0	0	0	0
7	SCI_NL__0PNPDK20071121_101933_000060922063_00323_29936_6690.N1	21NOV2007 10:19:33	21NOV2007 12:01:05	0	0	0	0	0
8	SCI_NL__0PNPDK20071121_115901_000059802063_00324_29937_6691.N1	21NOV2007 11:59:01	21NOV2007 13:38:41	0	0	0	0	0
9	SCI_NL__0PNPDK20071121_133745_000058422063_00325_29938_6692.N1	21NOV2007 13:37:45	21NOV2007 15:15:08	0	0	0	0	0
10	SCI_NL__0PNPDK20071121_151508_000059232063_00326_29939_6693.N1	21NOV2007 15:15:08	21NOV2007 16:53:51	0	0	0	0	0
11	SCI_NL__0PNPDK20071121_165159_000057842063_00327_29940_6694.N1	21NOV2007 16:51:59	21NOV2007 18:28:23	1	1	0	0	0
12	SCI_NL__0PNPDK20071121_183236_000057442063_00328_29941_6695.N1	21NOV2007 18:32:36	21NOV2007 20:08:20	0	0	0	0	0
13	SCI_NL__0PNPDE20071121_201312_000041672063_00329_29942_5624.N1	21NOV2007 20:13:12	21NOV2007 21:22:39	0	0	0	0	0
14	SCI_NL__0PNPDE20071121_212239_000060022063_00329_29942_5625.N1	21NOV2007 21:22:39	21NOV2007 23:02:41	0	0	0	0	0
15	SCI_NL__0PNPDE20071121_230848_000056832063_00330_29943_5626.N1	21NOV2007 23:08:48	22NOV2007 00:43:30	0	0	0	0	0

0.2 Product Quality Indicators

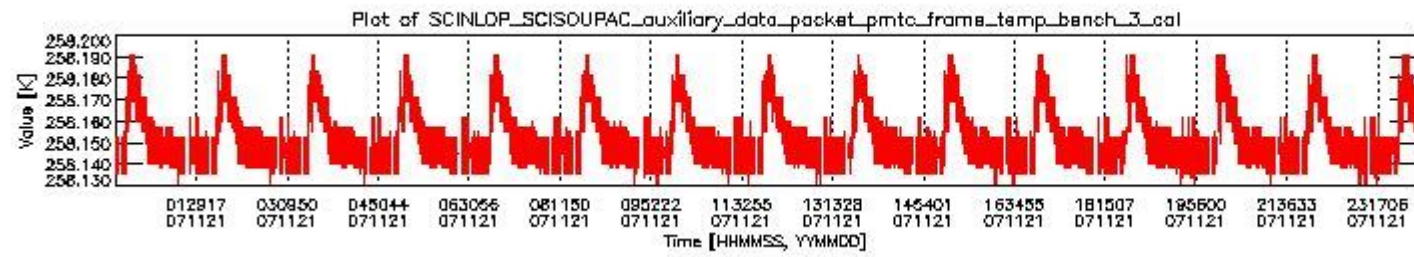
This section shows information about product quality, currently temperatures.



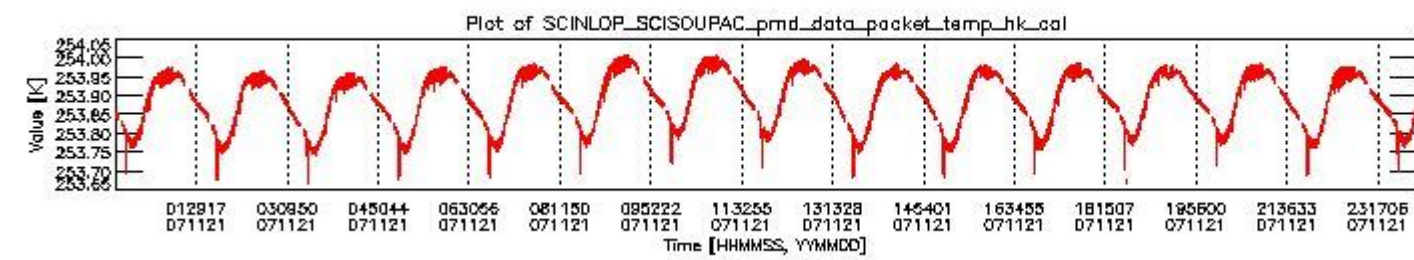
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071121_0.PNG



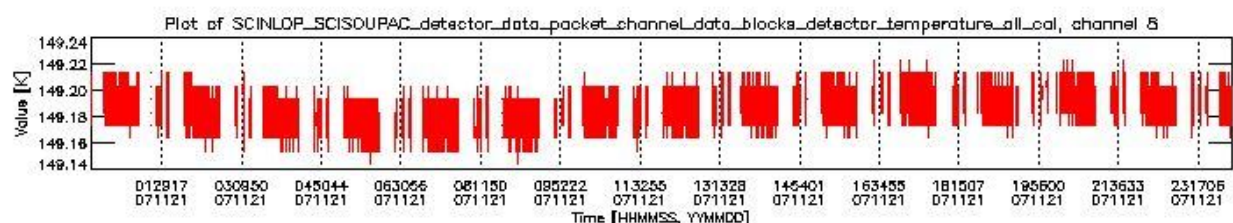
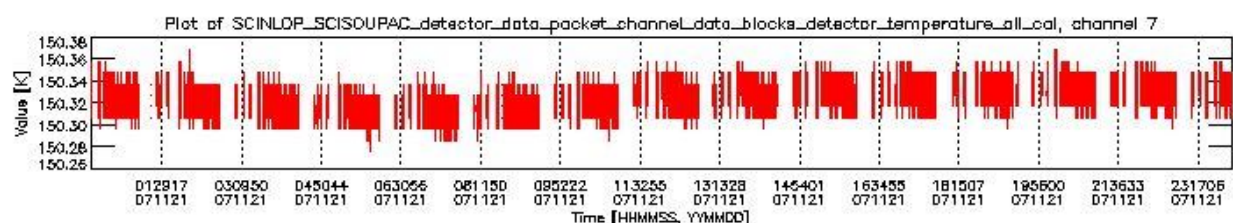
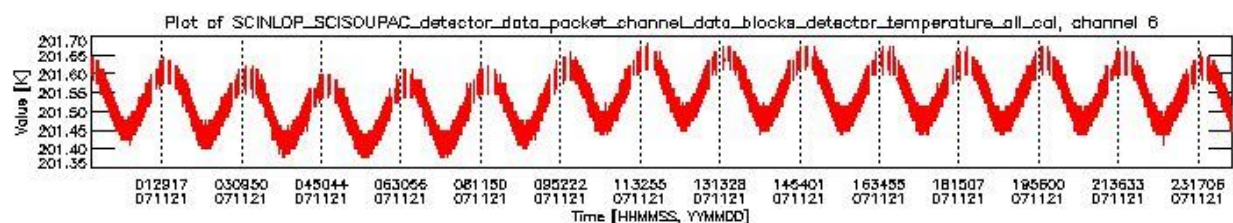
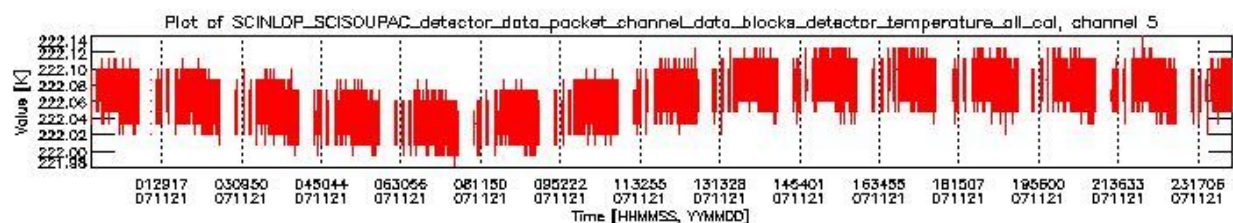
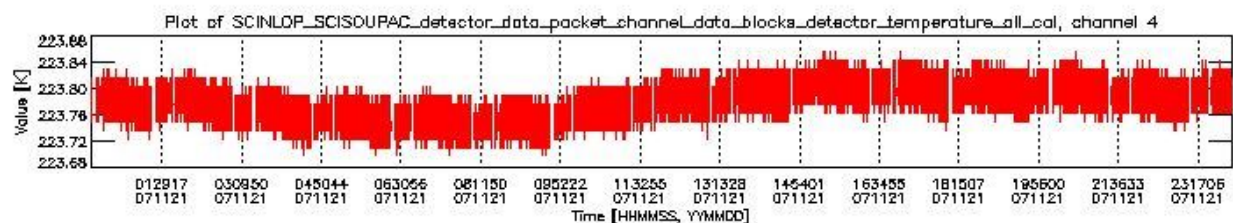
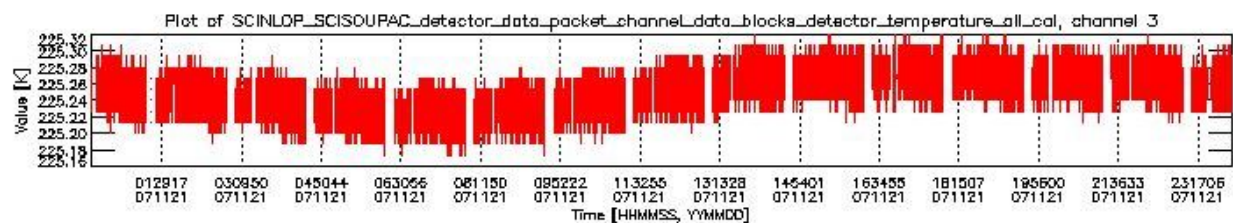
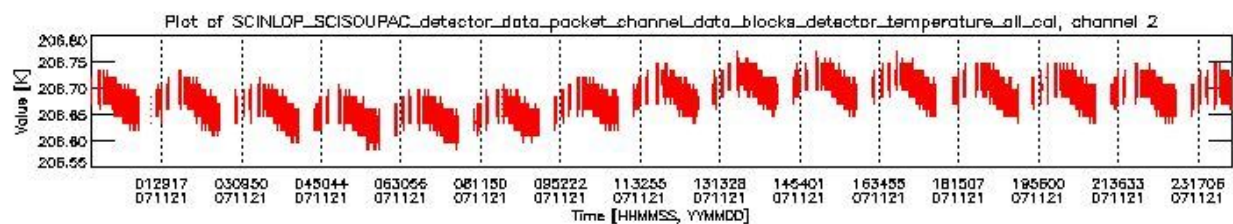
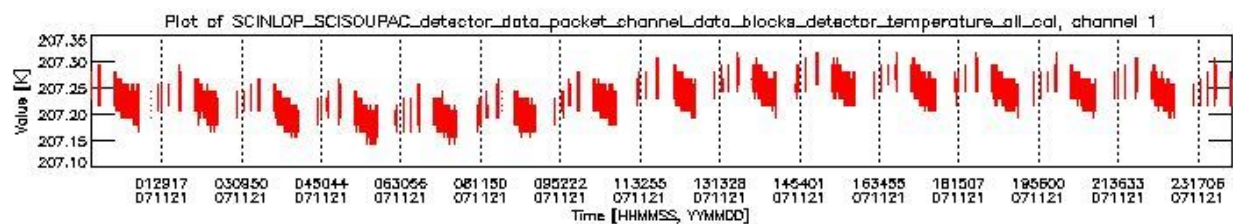
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071121_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071121_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071121_3.PNG

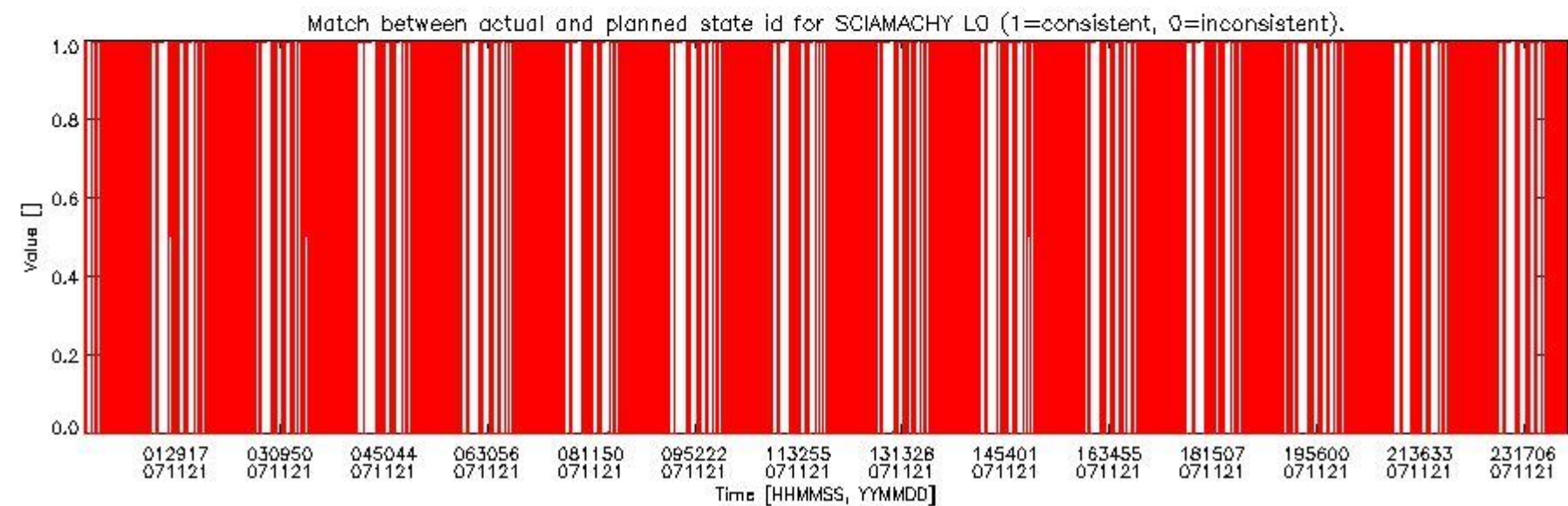
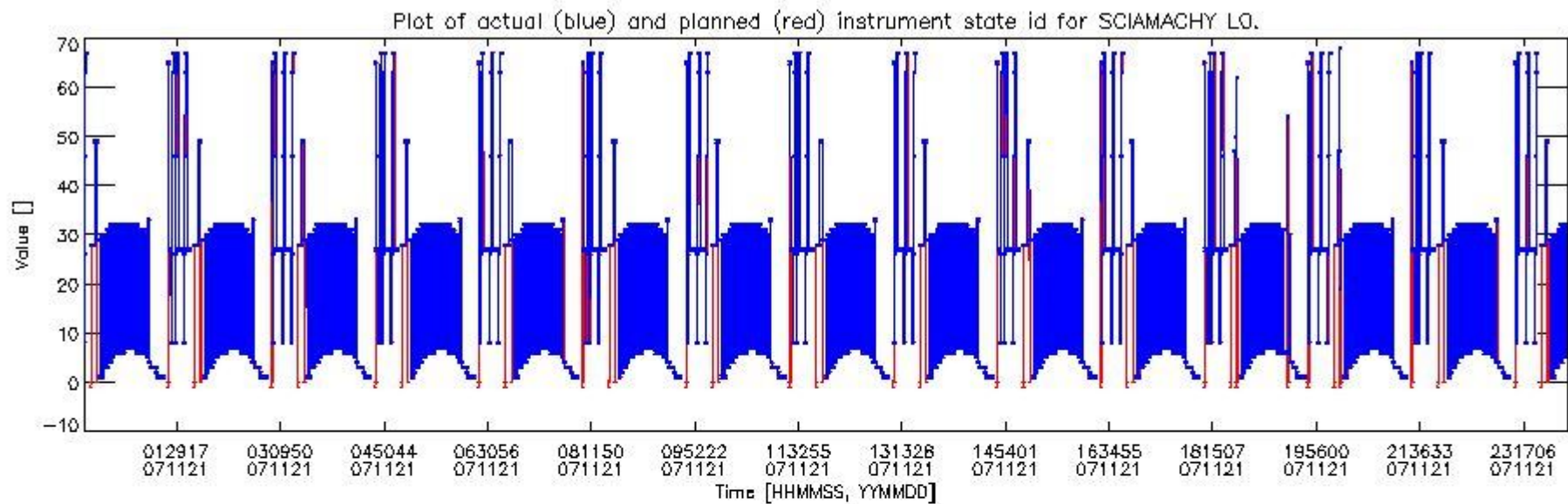


0.3 State monitoring

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: **42108**

#	Actual time	Actual value	Planned time	Planned value
0	21NOV2007 00:00:18.110745	46	21NOV2007 00:00:18.110745	26
1	21NOV2007 00:00:18.735726	46	21NOV2007 00:00:18.735726	26
2	21NOV2007 00:00:19.235744	46	21NOV2007 00:00:19.235744	26
3	21NOV2007 00:00:19.735721	46	21NOV2007 00:00:19.735721	26
4	21NOV2007 00:00:20.235738	46	21NOV2007 00:00:20.235738	26
5	21NOV2007 00:00:20.735715	46	21NOV2007 00:00:20.735715	26
6	21NOV2007 00:00:21.235733	46	21NOV2007 00:00:21.235733	26
7	21NOV2007 00:00:21.735750	46	21NOV2007 00:00:21.735750	26
8	21NOV2007 00:00:22.235727	46	21NOV2007 00:00:22.235727	26
9	21NOV2007 00:00:22.735745	46	21NOV2007 00:00:22.735745	26
10	21NOV2007 00:00:23.110718	46	21NOV2007 00:00:23.110718	26
11	21NOV2007 00:00:23.235722	46	21NOV2007 00:00:23.235722	26
12	21NOV2007 00:00:23.735739	46	21NOV2007 00:00:23.735739	26
13	21NOV2007 00:00:24.235716	46	21NOV2007 00:00:24.235716	26
14	21NOV2007 00:00:24.735734	46	21NOV2007 00:00:24.735734	26
15	21NOV2007 00:00:25.235751	46	21NOV2007 00:00:25.235751	26
16	21NOV2007 00:00:25.735728	46	21NOV2007 00:00:25.735728	26
17	21NOV2007 00:00:26.235746	46	21NOV2007 00:00:26.235746	26
18	21NOV2007 00:00:26.735723	46	21NOV2007 00:00:26.735723	26
19	21NOV2007 00:00:27.235740	46	21NOV2007 00:00:27.235740	26

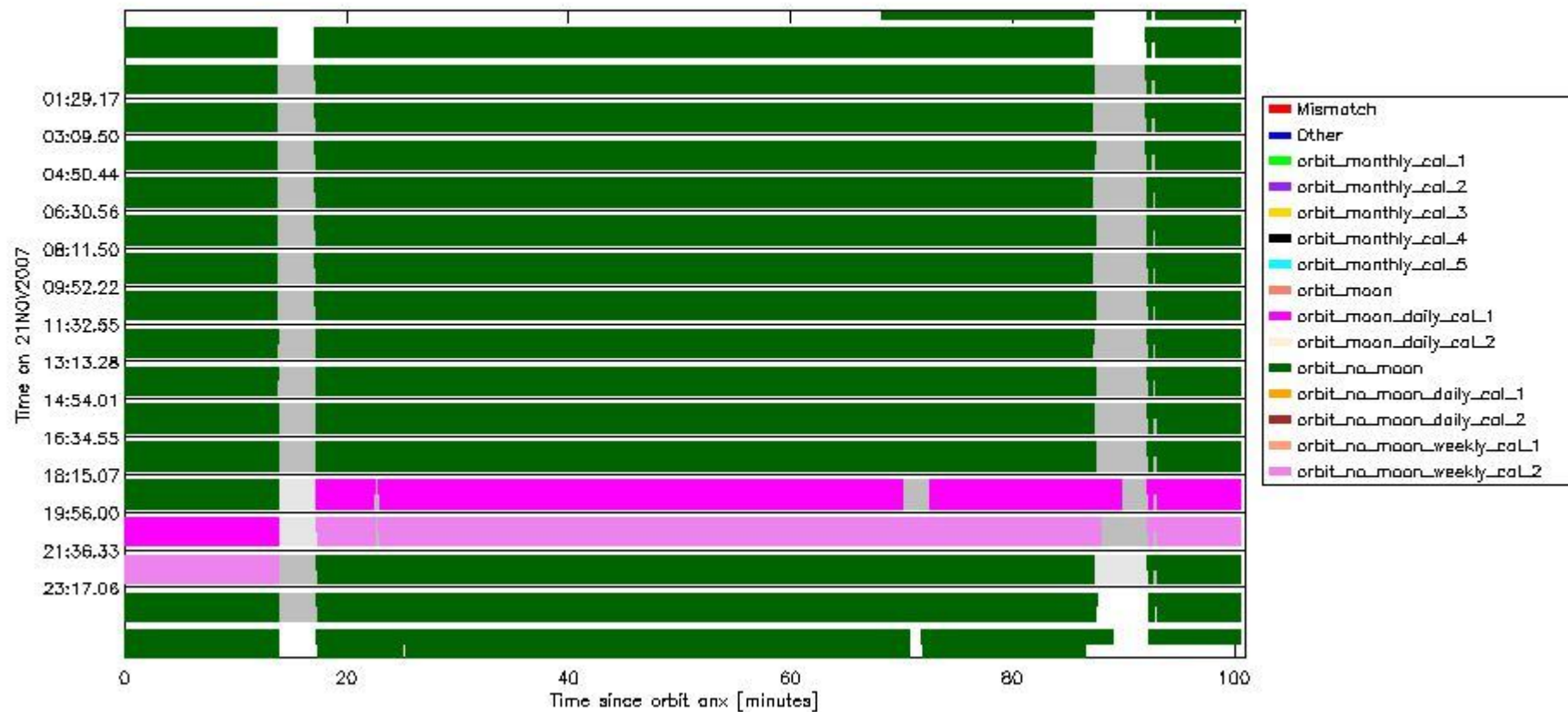


sciamachy_daily_report_level0_KSPT_L0_4302_N_20071121_5.PNG

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 21NOV2007.
 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_20071121_6.PNG

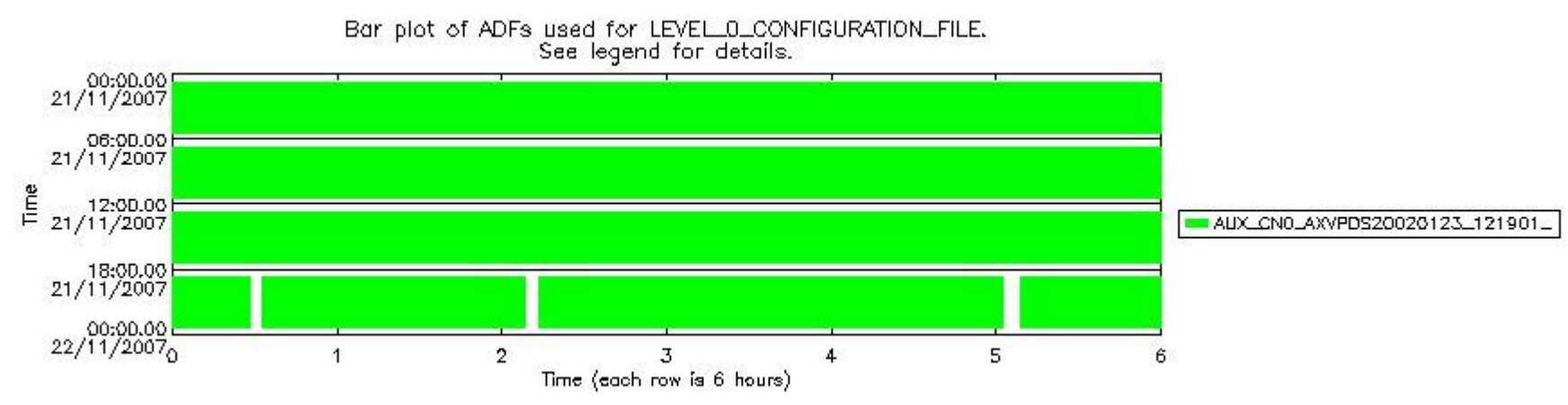
0.4 ADF monitoring

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

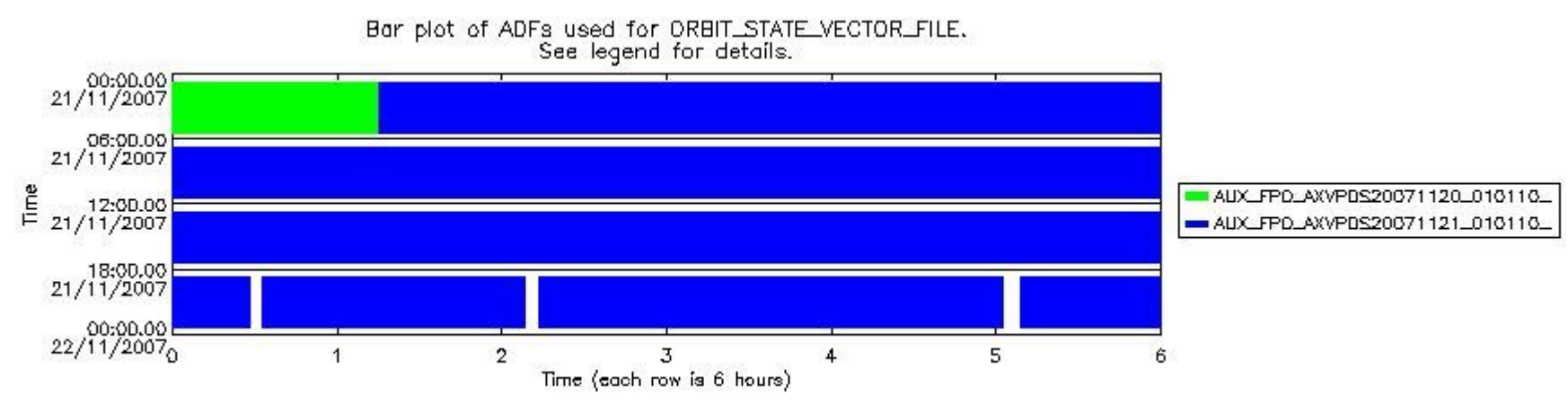
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

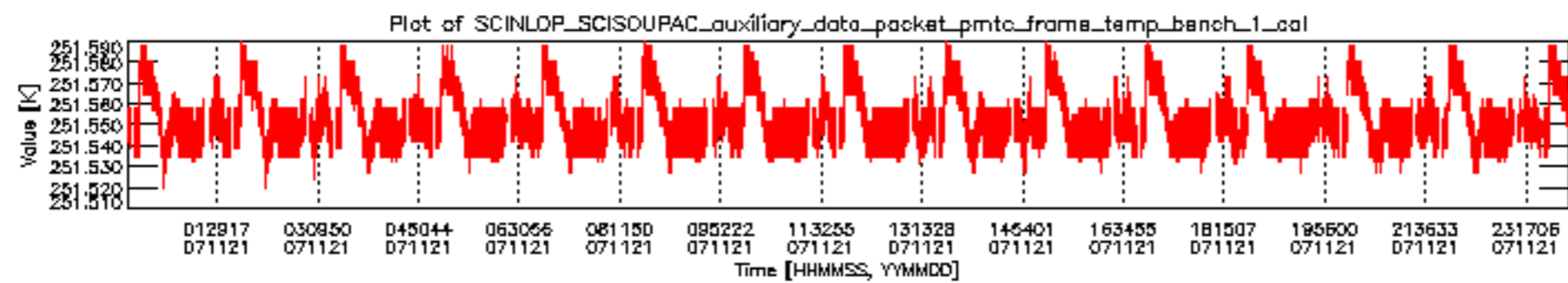
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20071120_010110_20071119_191833_20071129_204445
2	AUX_FPO_AXVPDS20071121_010110_20071120_184656_20071130_201307

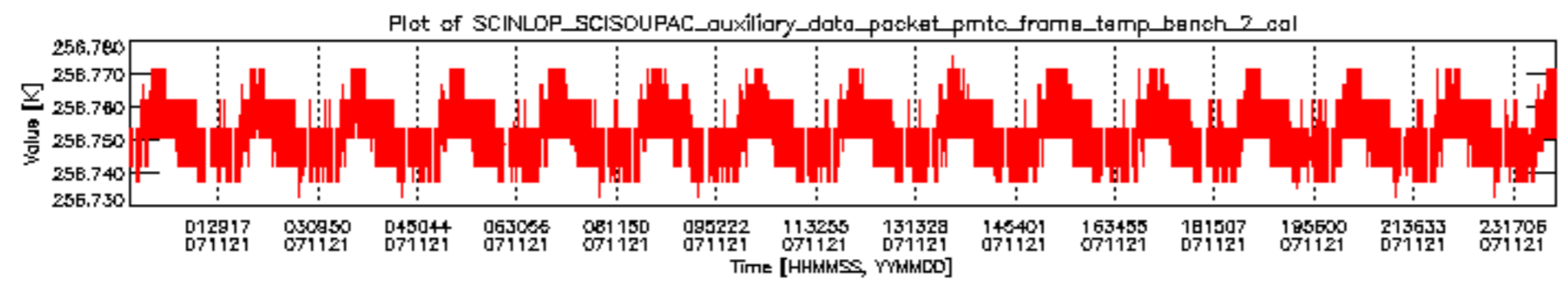


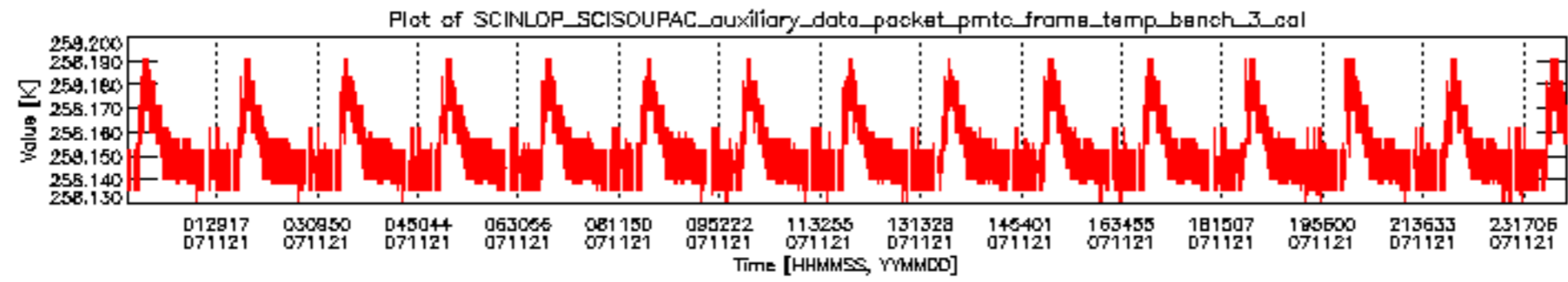
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071121_7.PNG

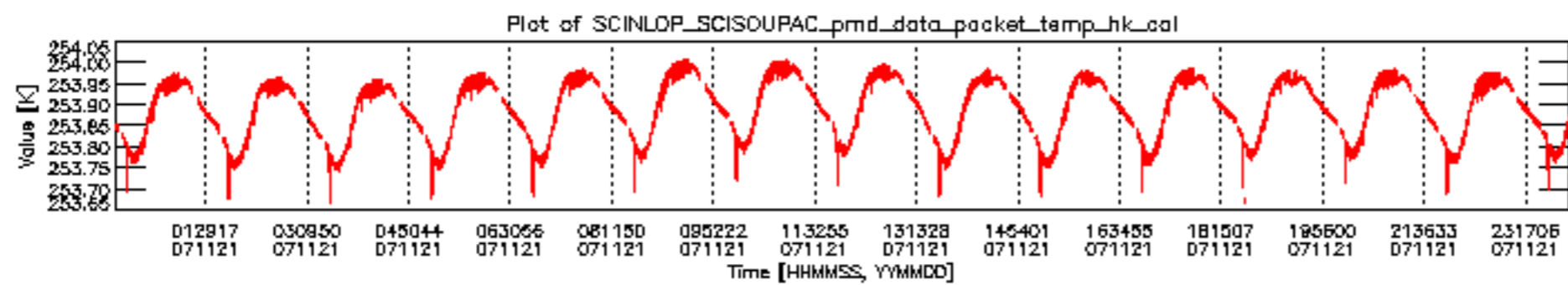


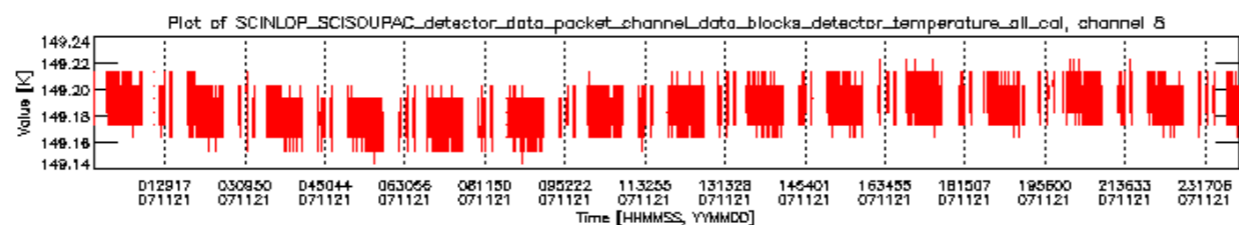
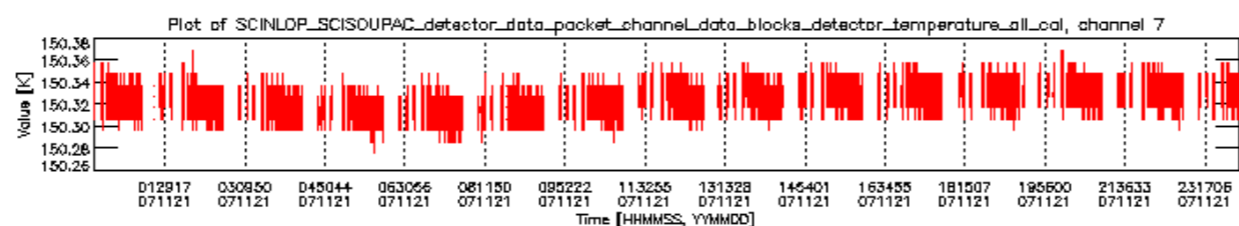
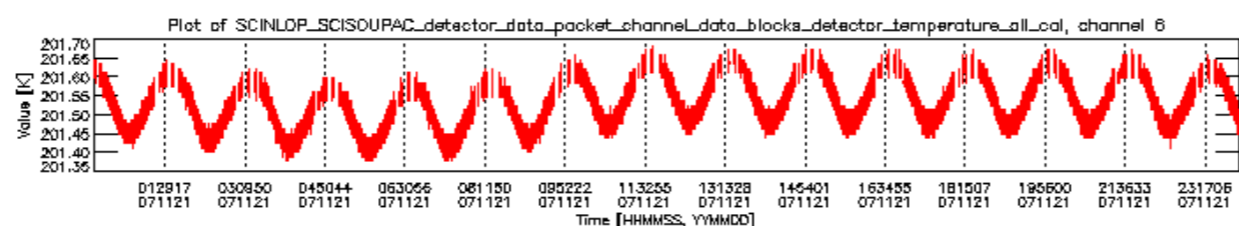
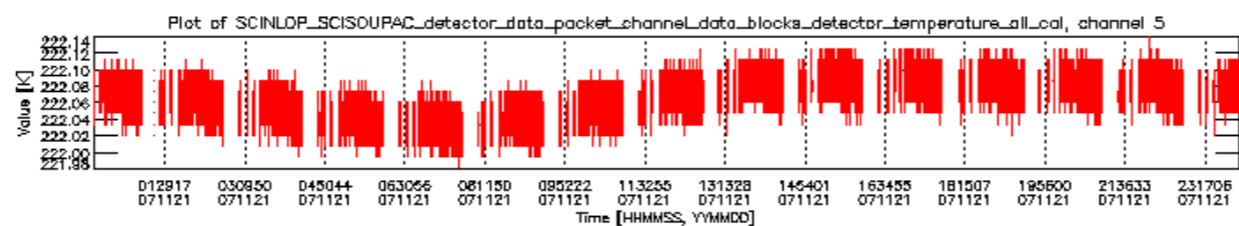
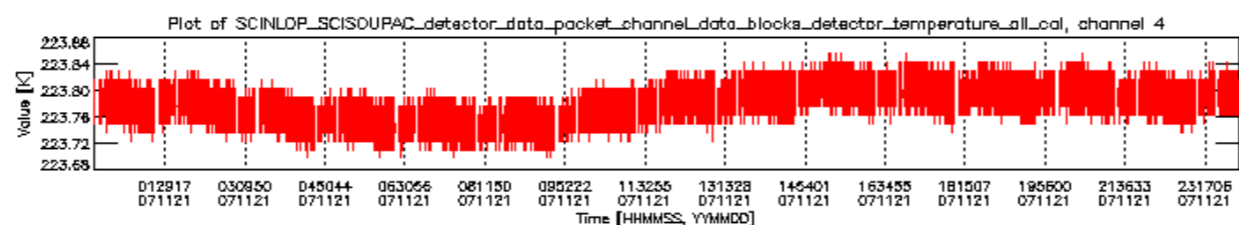
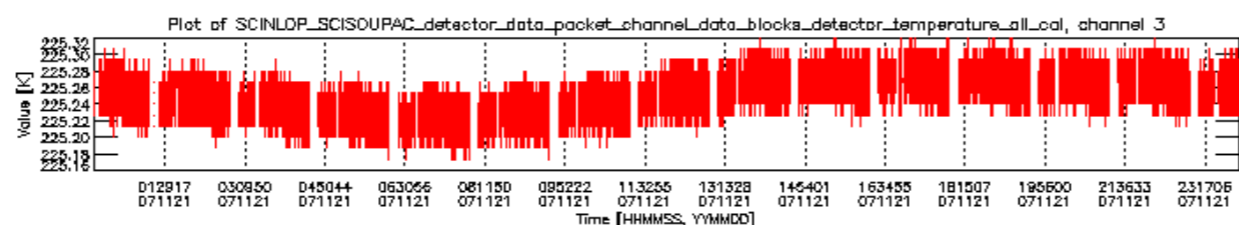
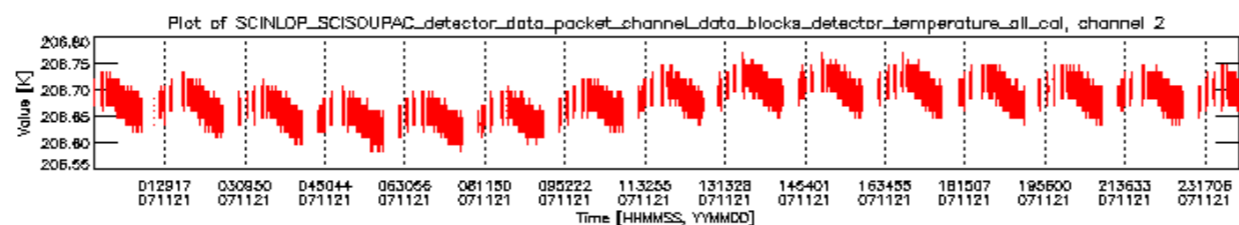
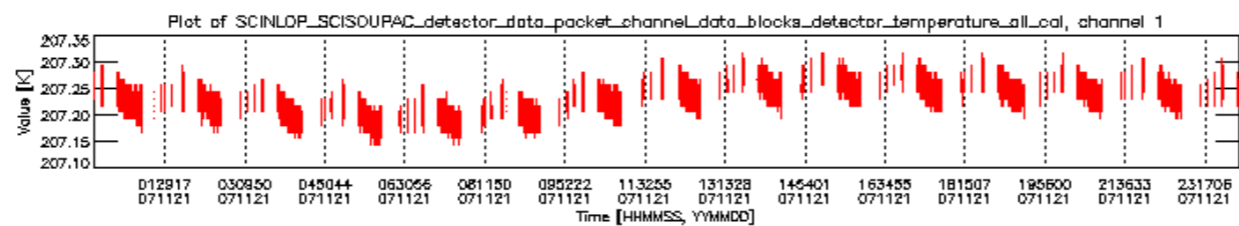
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071121_8.PNG

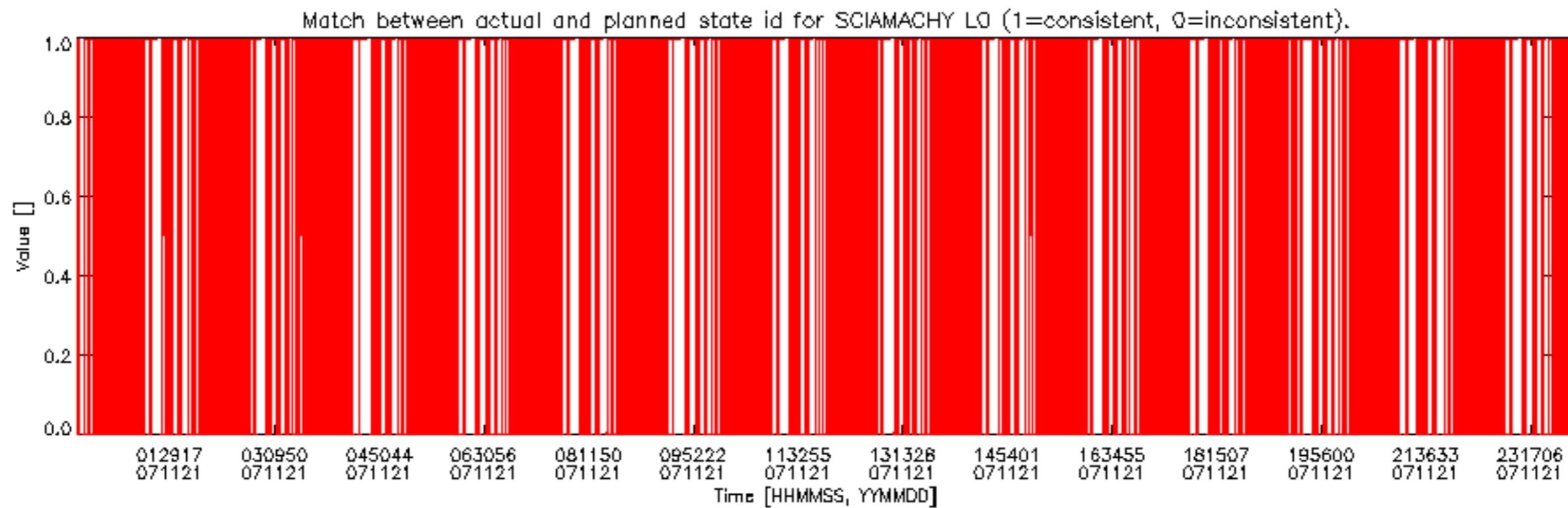
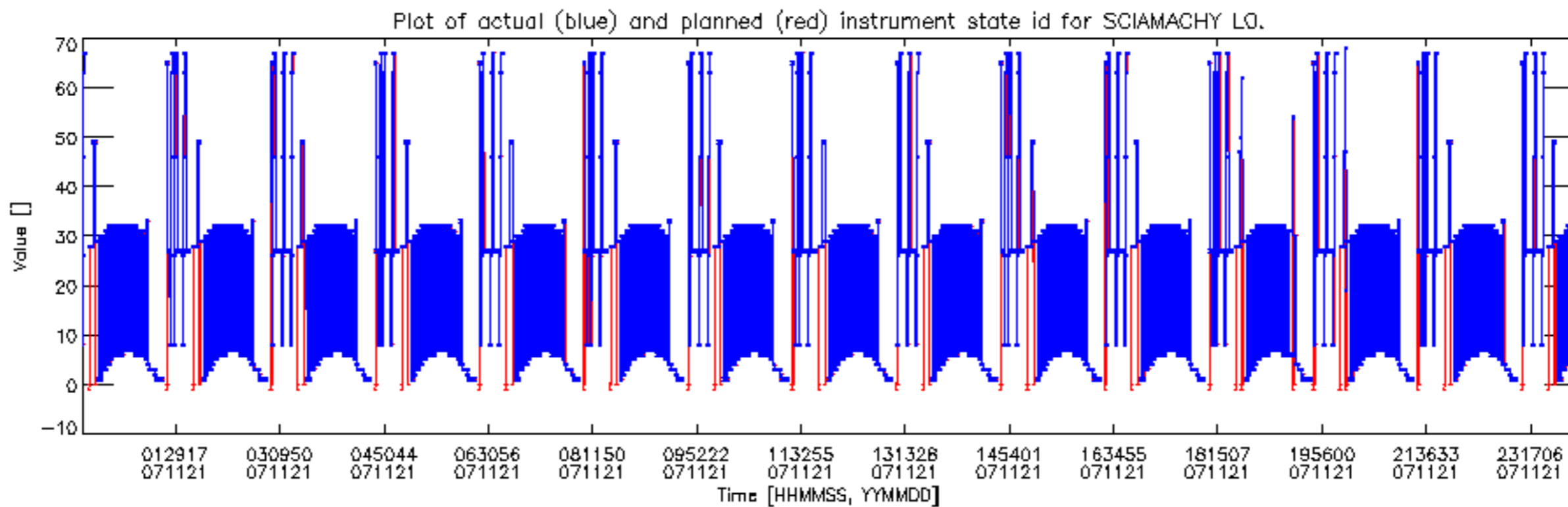












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