

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	03DEC2007 03:42:47
Data source version	KSPT_L0/4302-N
Processing scope for products	29NOV2007 00:00:00 to 30NOV2007 00:00:00
Start time of first product within scope	28NOV2007 22:43:09
Stop time of last product within scope	30NOV2007 01:31:39
Total number of level 0 products	16
Number of level 0 products with errors	0

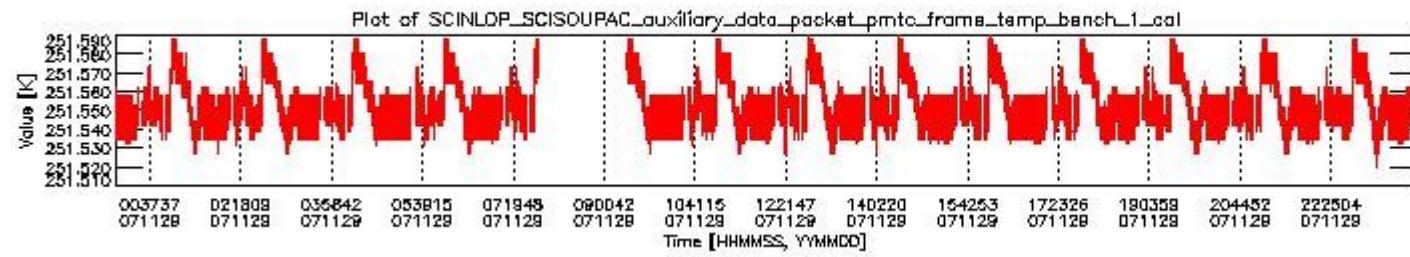
0.1.2 Summary per product

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

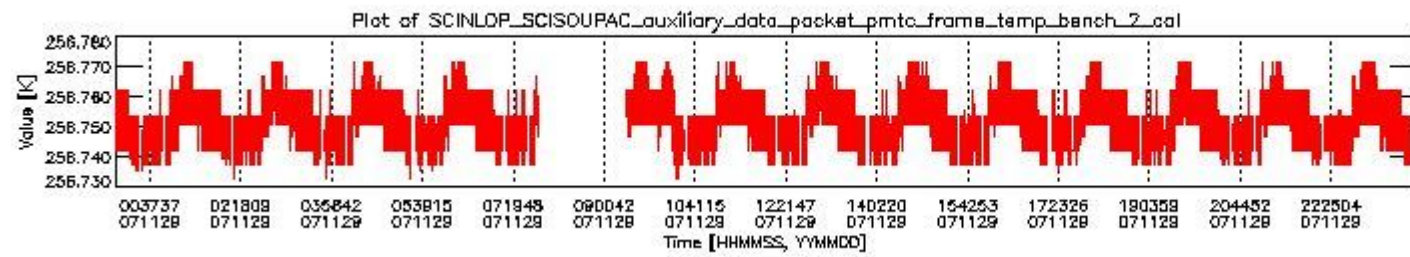
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20071128_224309_000060232063_00430_30043_5671.N1	28NOV2007 22:43:09	29NOV2007 00:23:33	0	0	0	0	0
1	SCI_NL__OPNPDE20071129_002333_000058432063_00431_30044_5672.N1	29NOV2007 00:23:33	29NOV2007 02:00:56	0	0	0	0	0
2	SCI_NL__OPNPDE20071129_015947_000046172063_00432_30045_5673.N1	29NOV2007 01:59:47	29NOV2007 03:16:44	0	0	0	0	0
3	SCI_NL__OPNPDE20071129_031548_000061612063_00433_30046_5674.N1	29NOV2007 03:15:48	29NOV2007 04:58:29	0	0	0	0	0
4	SCI_NL__OPNPDE20071129_045829_000060922063_00434_30047_5675.N1	29NOV2007 04:58:29	29NOV2007 06:40:01	0	0	0	0	0
5	SCI_NL__OPNPDK20071129_064001_000039892063_00435_30048_6757.N1	29NOV2007 06:40:01	29NOV2007 07:46:30	0	0	0	0	0
6	SCI_NL__OPNPDK20071129_092514_000062722063_00437_30050_6759.N1	29NOV2007 09:25:14	29NOV2007 11:09:47	0	0	0	0	0
7	SCI_NL__OPNPDK20071129_110742_000060362063_00438_30051_6760.N1	29NOV2007 11:07:42	29NOV2007 12:48:18	0	0	0	0	0
8	SCI_NL__OPNPDK20071129_124722_000057862063_00439_30052_6761.N1	29NOV2007 12:47:22	29NOV2007 14:23:49	0	0	0	0	0
9	SCI_NL__OPNPDK20071129_142349_000060362063_00440_30053_6762.N1	29NOV2007 14:23:49	29NOV2007 16:04:25	0	0	0	0	0
10	SCI_NL__OPNPDK20071129_160136_000059802063_00441_30054_6763.N1	29NOV2007 16:01:36	29NOV2007 17:41:17	0	0	0	0	0
11	SCI_NL__OPNPDK20071129_174117_000057012063_00442_30055_6764.N1	29NOV2007 17:41:17	29NOV2007 19:16:18	0	0	0	0	0
12	SCI_NL__OPNPDK20071129_191326_000062562063_00443_30056_6765.N1	29NOV2007 19:13:26	29NOV2007 20:57:43	0	0	0	0	0
13	SCI_NL__OPNPDE20071129_210229_000041462063_00444_30057_5676.N1	29NOV2007 21:02:29	29NOV2007 22:11:35	0	0	0	0	0
14	SCI_NL__OPNPDE20071129_221027_000060922063_00444_30057_5677.N1	29NOV2007 22:10:27	29NOV2007 23:51:58	0	0	0	0	0
15	SCI_NL__OPNPDE20071129_235158_000059802063_00445_30058_5678.N1	29NOV2007 23:51:58	30NOV2007 01:31:39	0	0	0	0	0

0.2 Product Quality Indicators

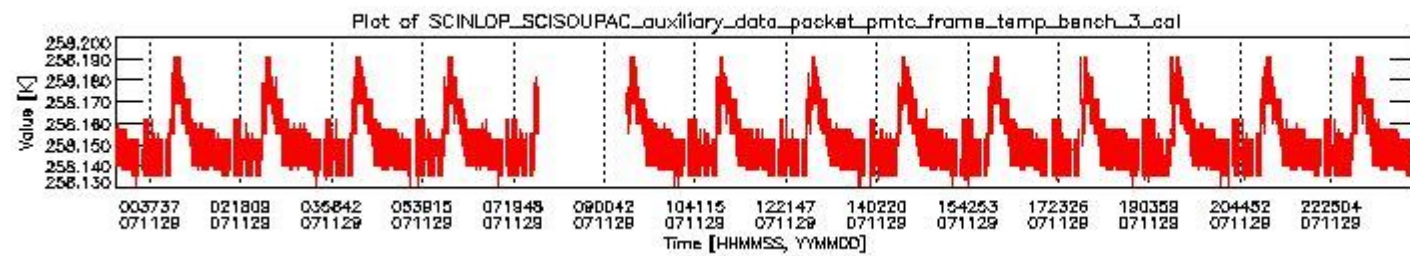
This section shows information about product quality, currently temperatures.



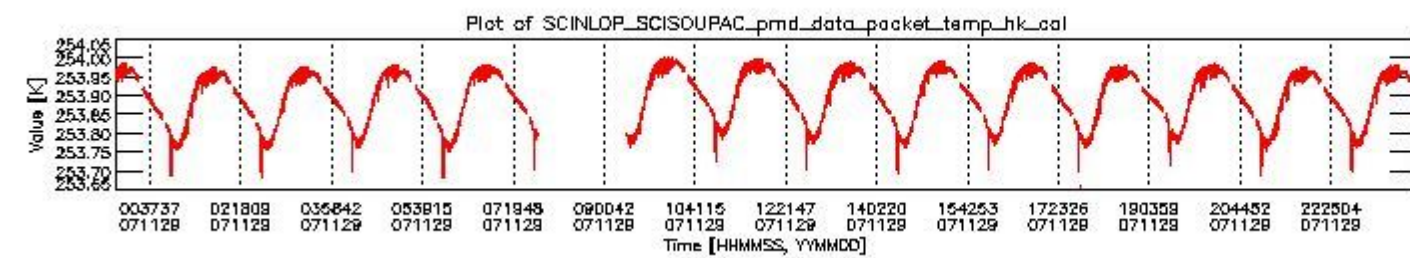
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071129_0.PNG



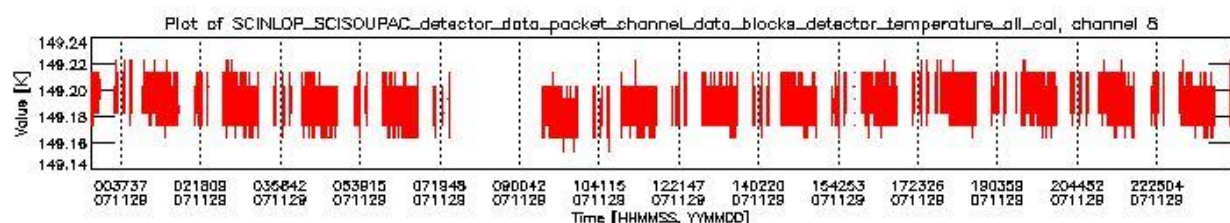
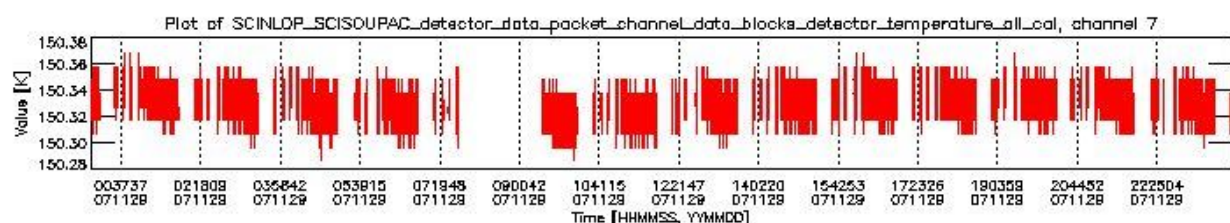
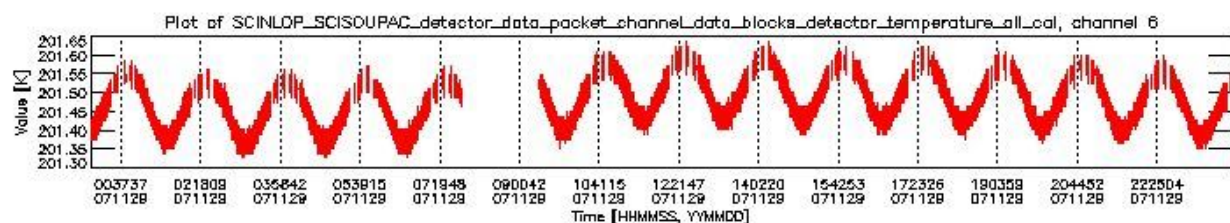
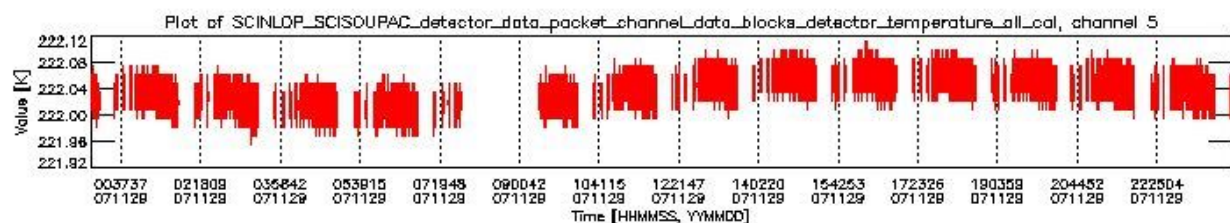
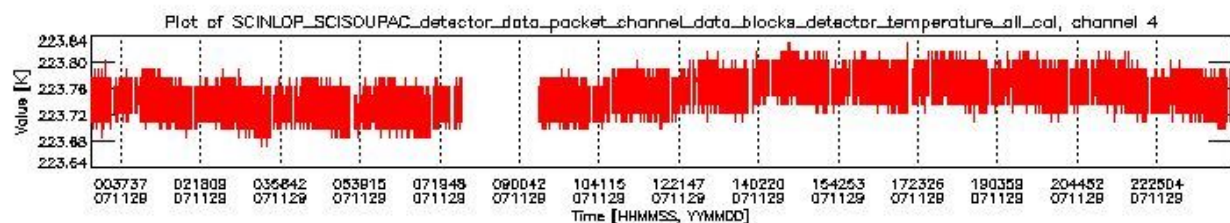
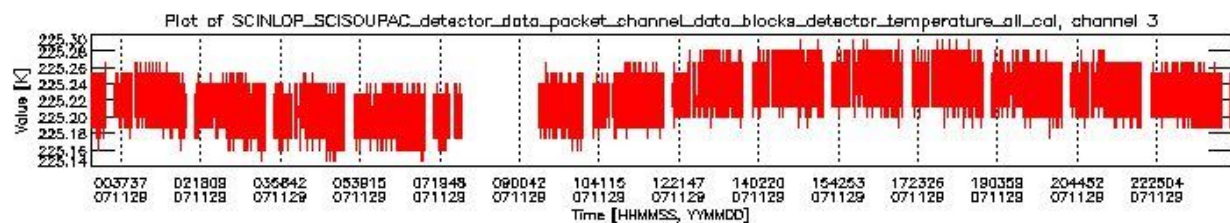
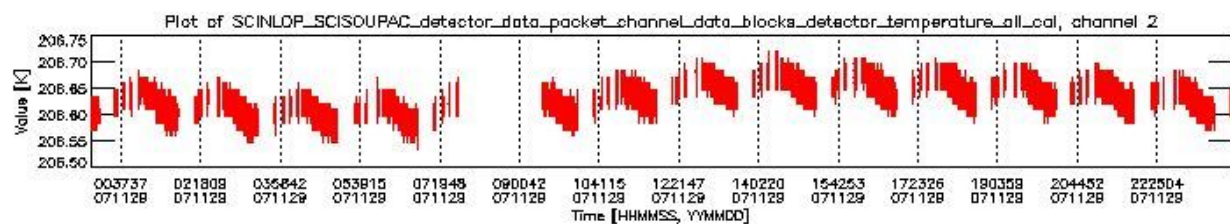
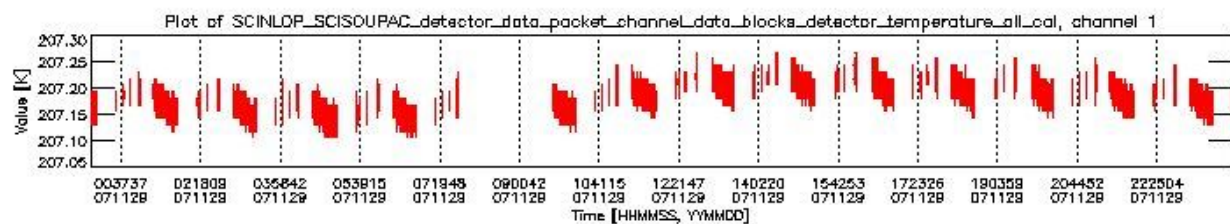
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071129_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071129_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071129_3.PNG

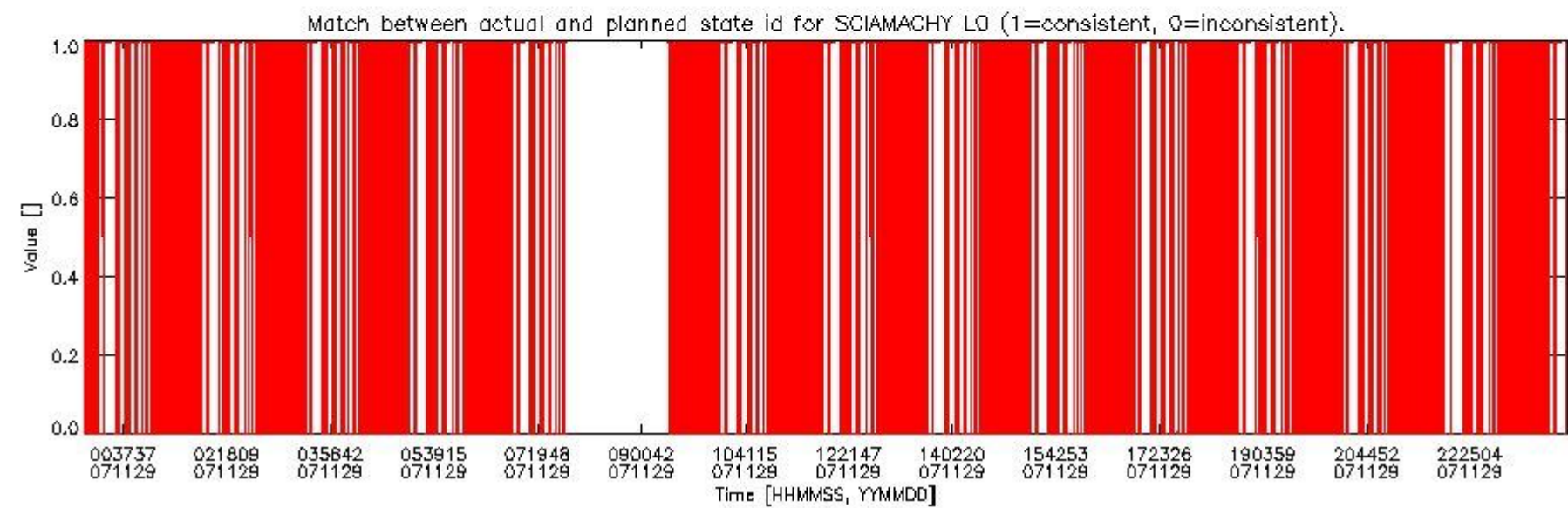
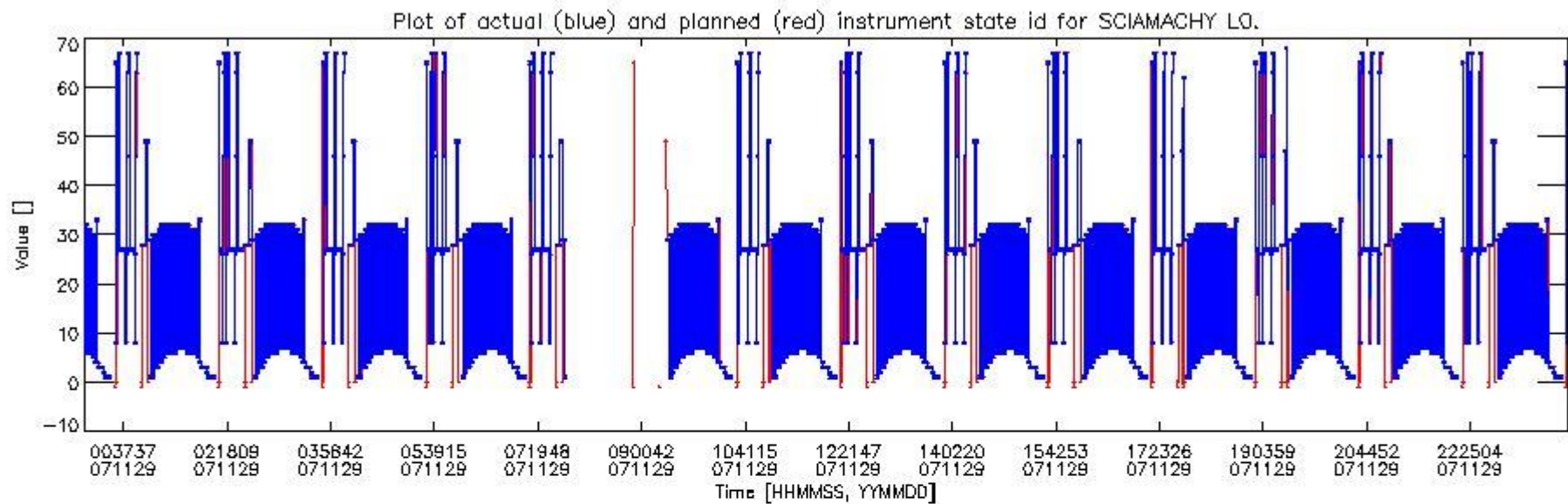


0.3 State monitoring

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: **46581**

#	Actual time	Actual value	Planned time	Planned value
0	29NOV2007 00:00:49.602024	32	29NOV2007 00:00:49.602024	6
1	29NOV2007 00:00:50.227006	32	29NOV2007 00:00:50.227006	6
2	29NOV2007 00:00:50.602019	32	29NOV2007 00:00:50.602019	6
3	29NOV2007 00:00:50.976992	32	29NOV2007 00:00:50.976992	6
4	29NOV2007 00:00:51.539491	32	29NOV2007 00:00:51.539491	6
5	29NOV2007 00:00:51.914504	32	29NOV2007 00:00:51.914504	6
6	29NOV2007 00:00:52.289517	32	29NOV2007 00:00:52.289517	6
7	29NOV2007 00:00:52.664490	32	29NOV2007 00:00:52.664490	6
8	29NOV2007 00:00:53.226990	32	29NOV2007 00:00:53.226990	6
9	29NOV2007 00:00:53.602003	32	29NOV2007 00:00:53.602003	6
10	29NOV2007 00:00:53.977016	32	29NOV2007 00:00:53.977016	6
11	29NOV2007 00:00:54.351988	32	29NOV2007 00:00:54.351988	6
12	29NOV2007 00:00:54.601997	32	29NOV2007 00:00:54.601997	6
13	29NOV2007 00:00:54.914488	32	29NOV2007 00:00:54.914488	6
14	29NOV2007 00:00:55.289501	32	29NOV2007 00:00:55.289501	6
15	29NOV2007 00:00:55.664514	32	29NOV2007 00:00:55.664514	6
16	29NOV2007 00:00:56.039487	32	29NOV2007 00:00:56.039487	6
17	29NOV2007 00:00:56.601986	32	29NOV2007 00:00:56.601986	6
18	29NOV2007 00:00:56.976999	32	29NOV2007 00:00:56.976999	6
19	29NOV2007 00:00:57.352012	32	29NOV2007 00:00:57.352012	6

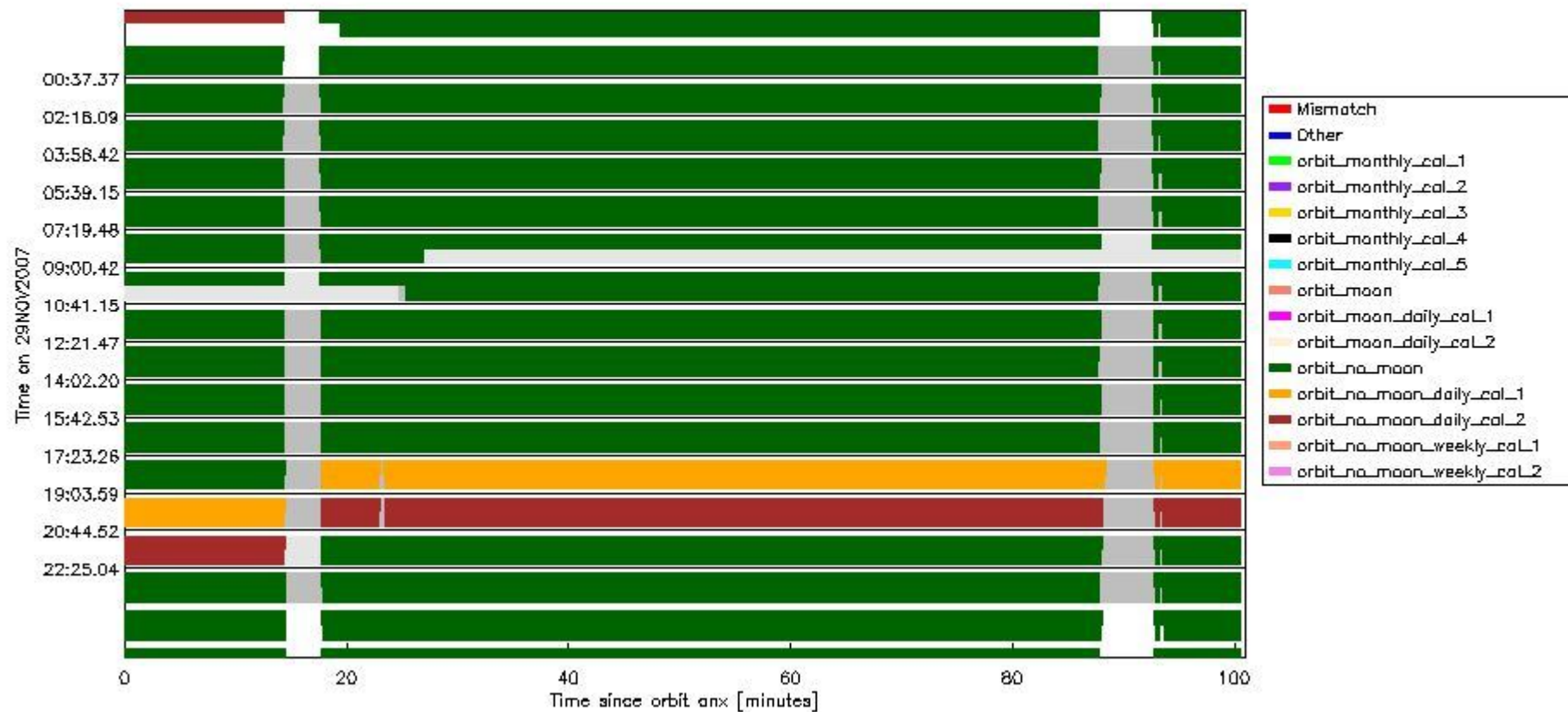


sciamachy_daily_report_level0_KSPT_L0_4302_N_20071129_5.PNG

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 29NOV2007.
 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_20071129_6.PNG

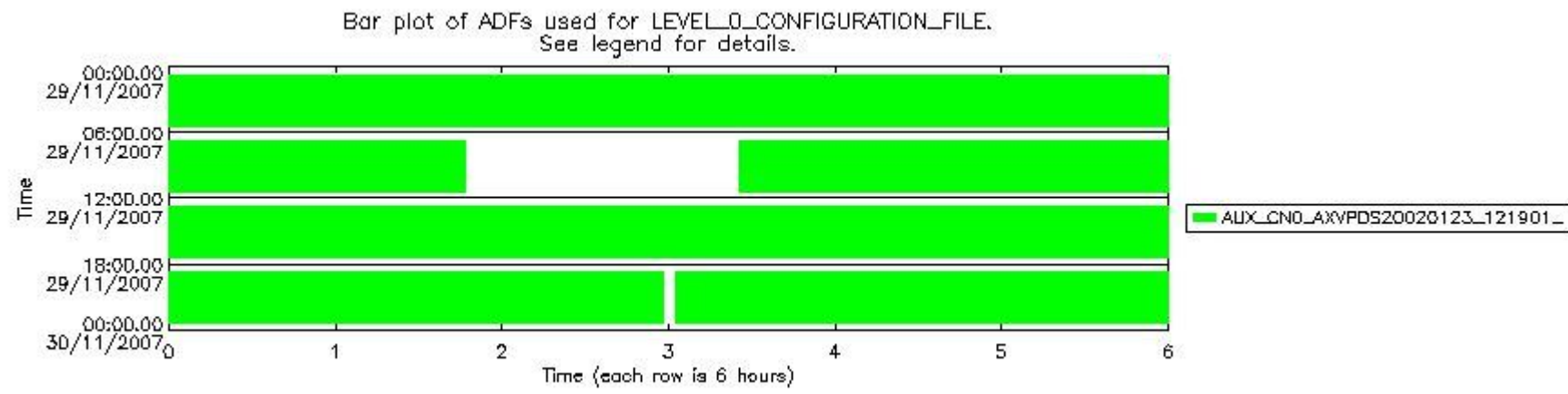
0.4 ADF monitoring

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

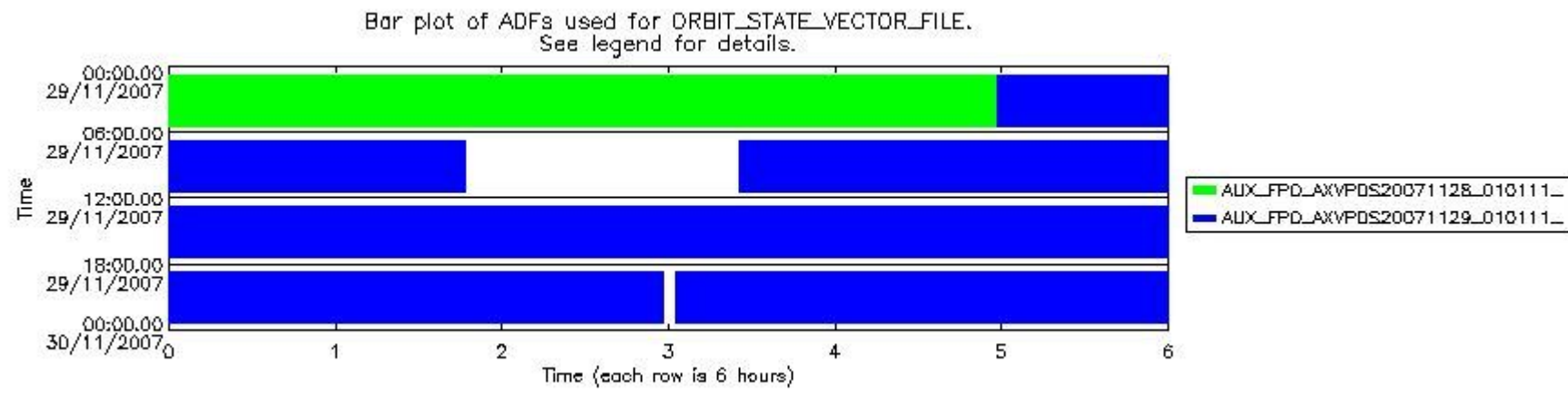
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

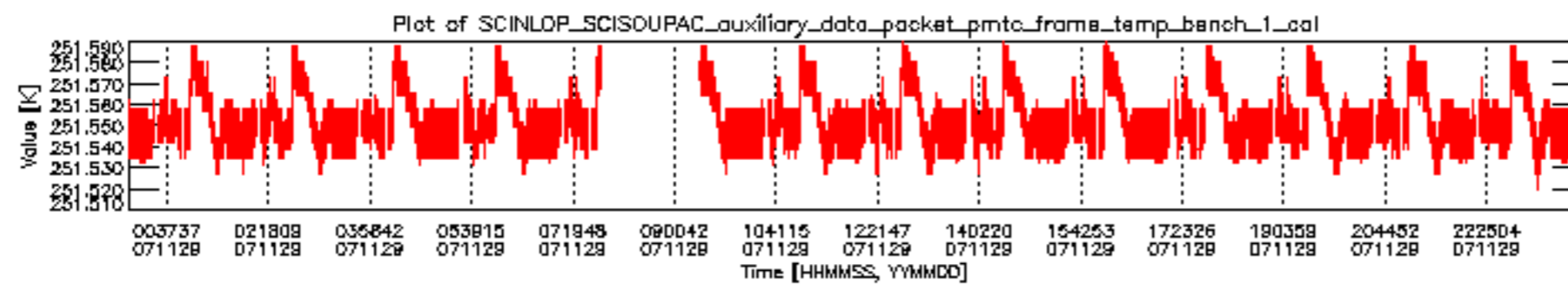
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20071128_010111_20071127_182647_20071207_213334
2	AUX_FPO_AXVPDS20071129_010111_20071128_093210_20071207_231412

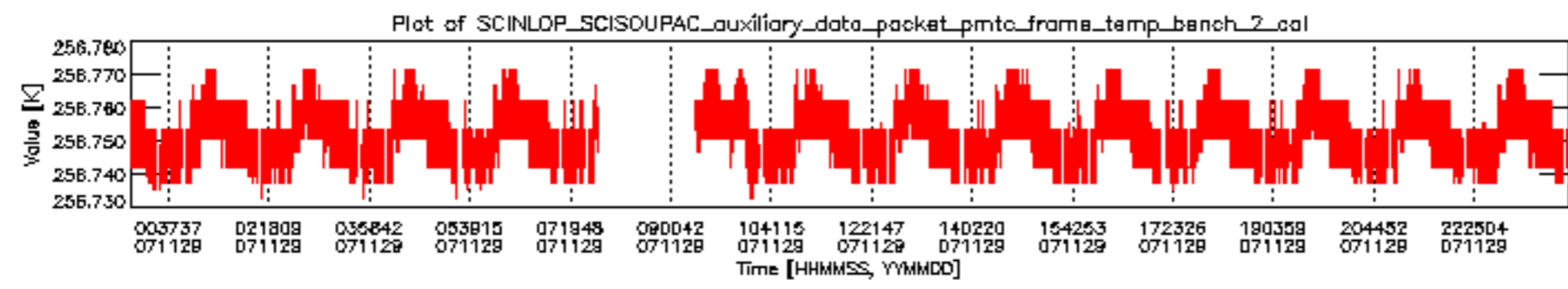


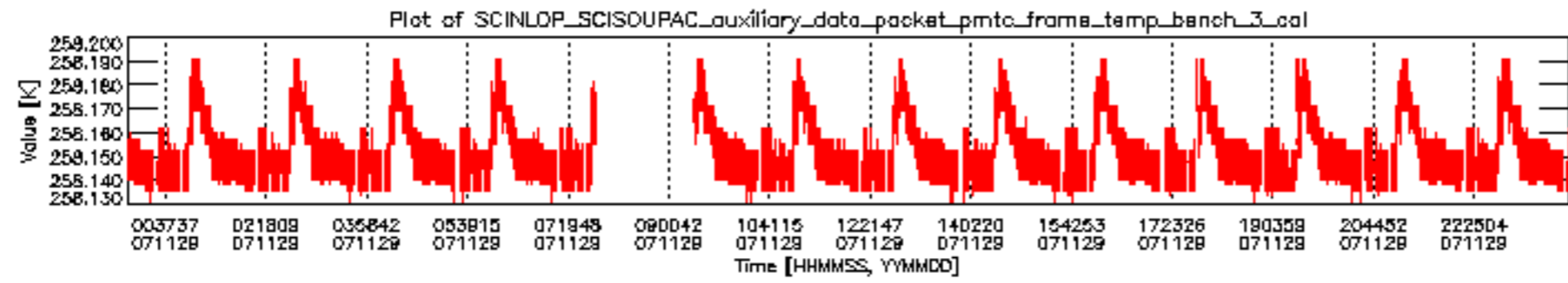
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071129_7.PNG

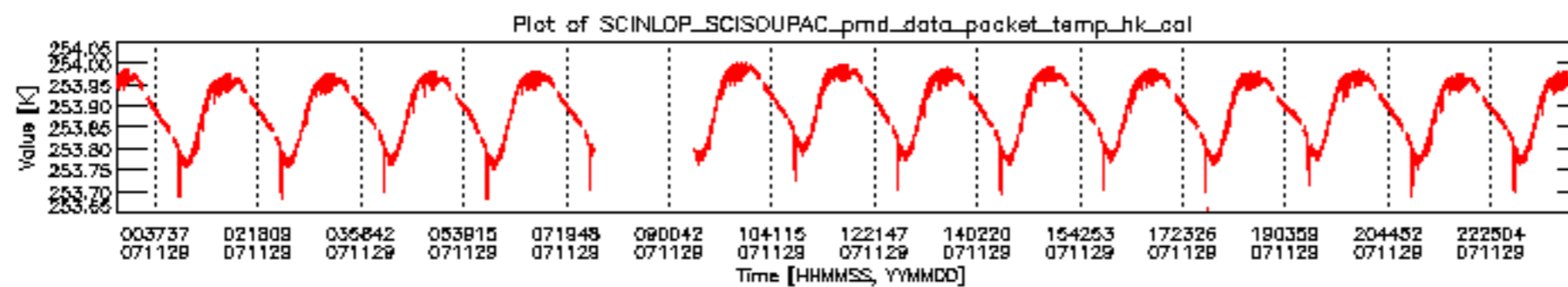


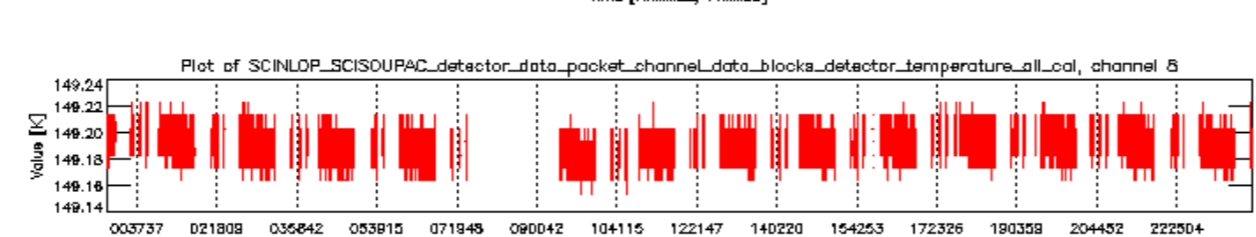
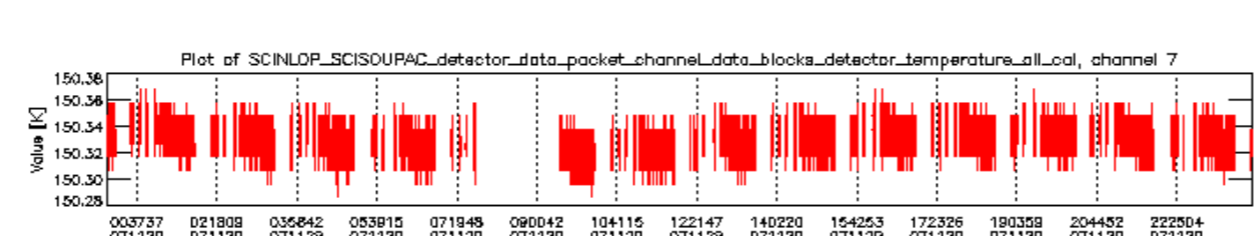
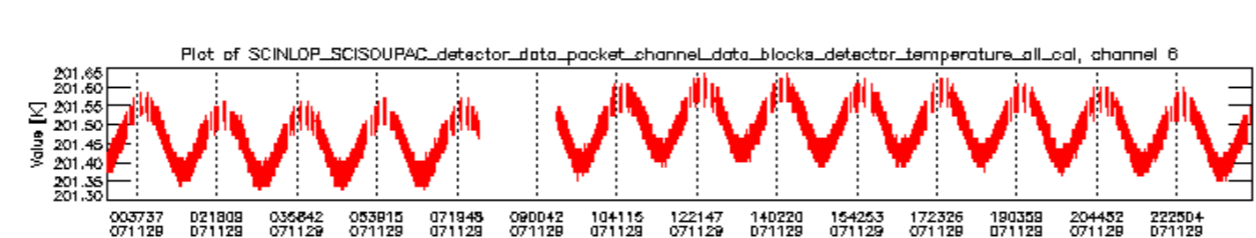
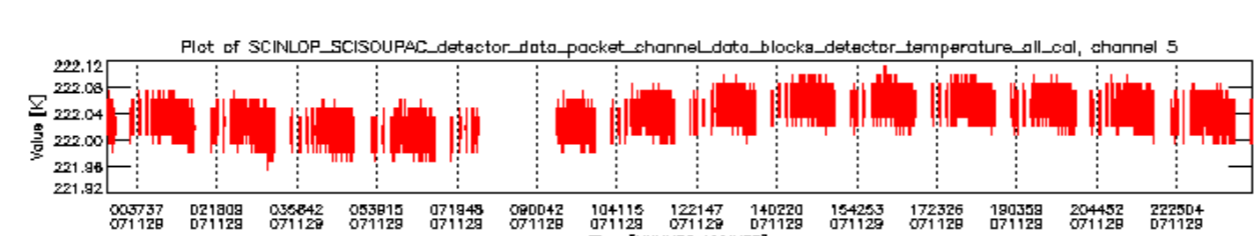
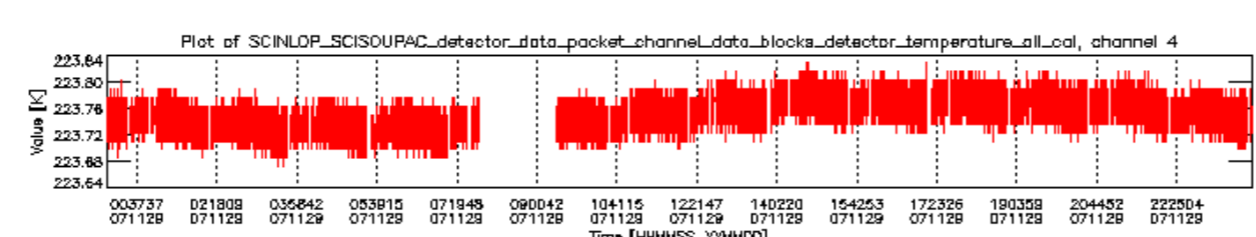
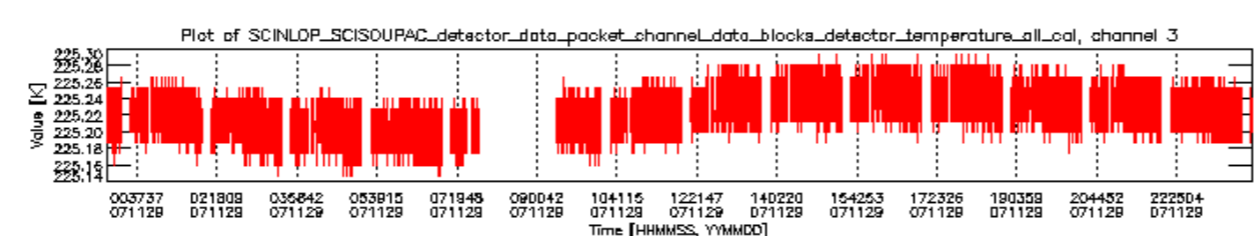
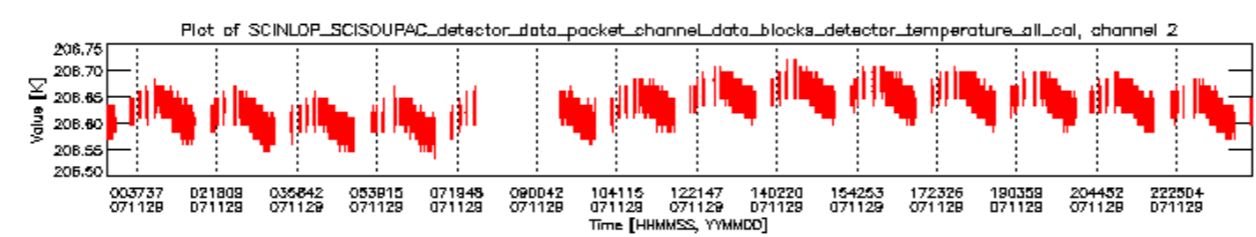
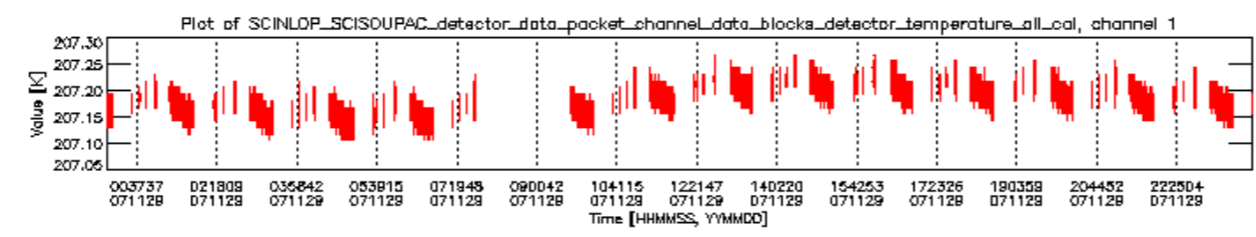
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071129_8.PNG

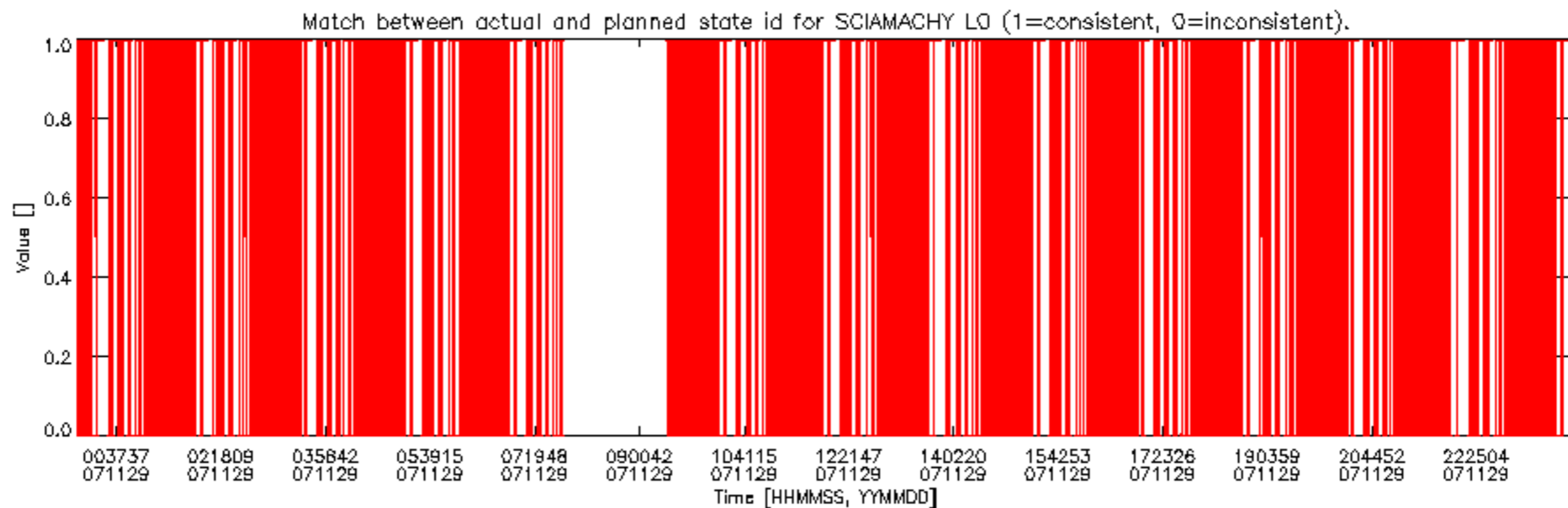
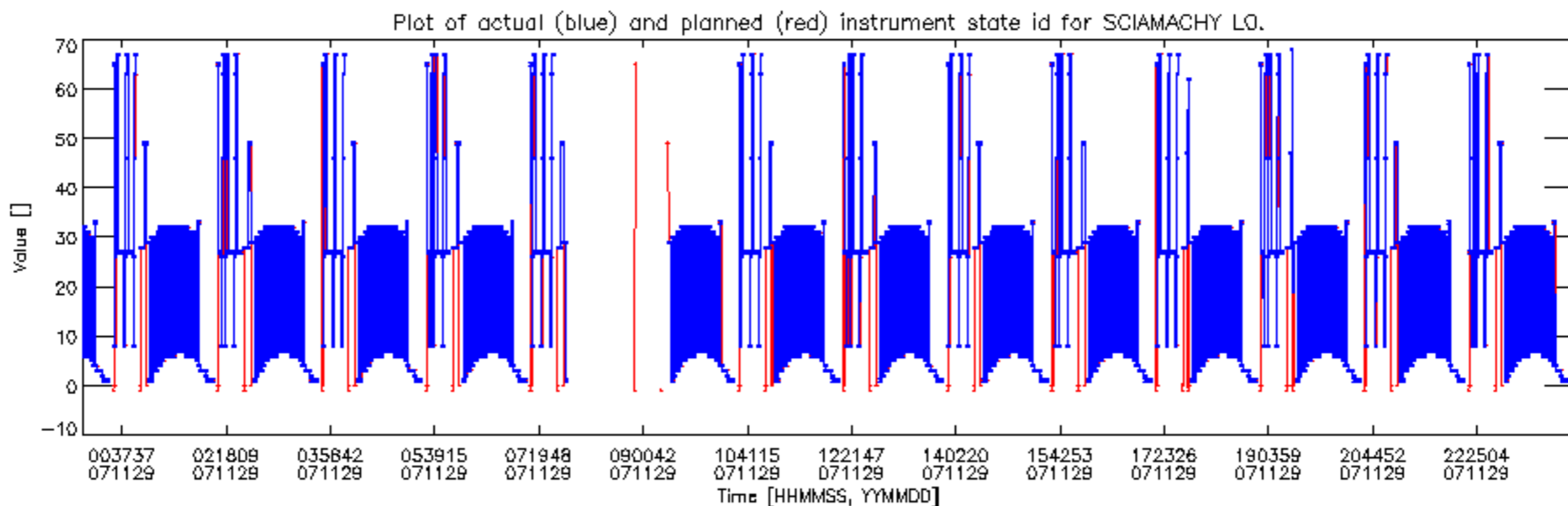












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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