

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	25NOV2008 04:45:43
Data source version	KSPT_L0/4303-N
Processing scope for products	21NOV2008 00:00:00 to 22NOV2008 00:00:00
Start time of first product within scope	20NOV2008 23:37:28
Stop time of last product within scope	22NOV2008 00:40:38
Total number of level 0 products	16
Number of level 0 products with errors	0

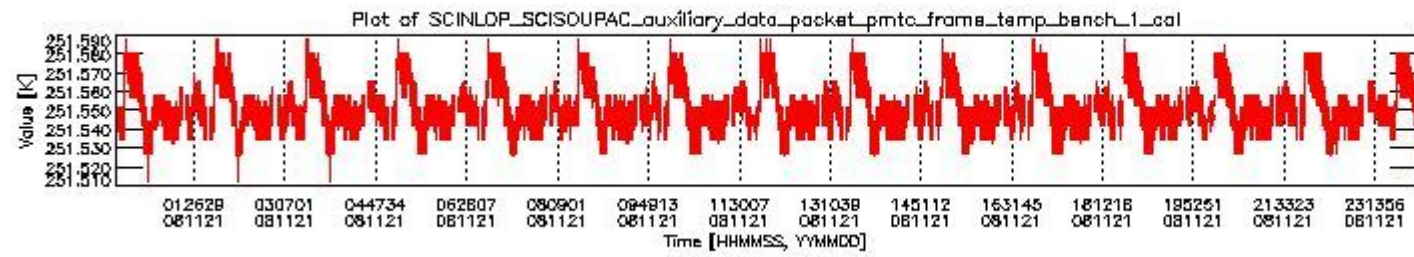
0.1.2 Summary per product

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

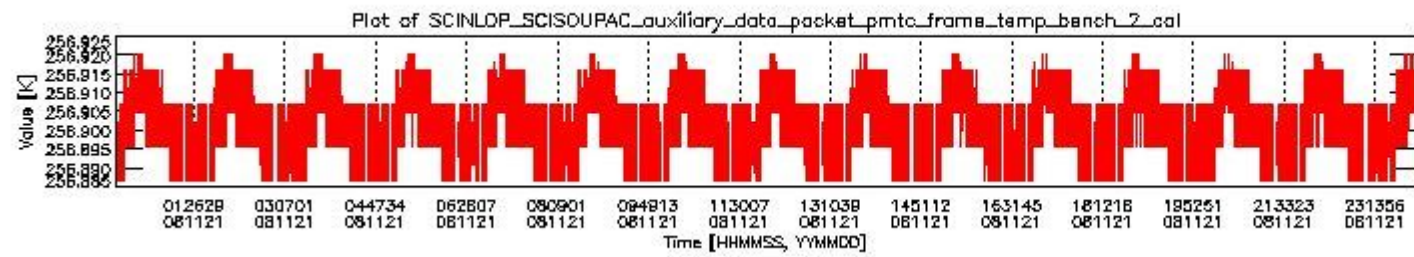
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081120_233728_000056832074_00044_35168_7943.N1	20NOV2008 23:37:28	21NOV2008 01:12:11	0	0	0	0	0
1	SCI_NL__OPNPDE20081121_011804_000043622074_00045_35169_7944.N1	21NOV2008 01:18:04	21NOV2008 02:30:46	0	0	0	0	0
2	SCI_NL__OPNPDE20081121_023046_000058002074_00046_35170_7945.N1	21NOV2008 02:30:46	21NOV2008 04:07:26	0	0	0	0	0
3	SCI_NL__OPNPDE20081121_040618_000061612074_00047_35171_7946.N1	21NOV2008 04:06:18	21NOV2008 05:48:59	0	0	0	0	0
4	SCI_NL__OPNPDK20081121_054750_000041142074_00048_35172_9988.N1	21NOV2008 05:47:50	21NOV2008 06:56:24	0	0	0	0	0
5	SCI_NL__OPNPDK20081121_065624_000060922074_00049_35173_9989.N1	21NOV2008 06:56:24	21NOV2008 08:37:56	0	0	0	0	0
6	SCI_NL__OPNPDK20081121_083700_000060362074_00050_35174_9990.N1	21NOV2008 08:37:00	21NOV2008 10:17:36	0	0	0	0	0
7	SCI_NL__OPNPDK20081121_101640_000059682074_00051_35175_9991.N1	21NOV2008 10:16:40	21NOV2008 11:56:08	0	0	0	0	0
8	SCI_NL__OPNPDK20081121_115416_000061482074_00052_35176_9992.N1	21NOV2008 11:54:16	21NOV2008 13:36:44	0	0	0	0	0
9	SCI_NL__OPNPDK20081121_133548_000057872074_00053_35177_9993.N1	21NOV2008 13:35:48	21NOV2008 15:12:15	0	0	0	0	0
10	SCI_NL__OPNPDK20081121_151215_000060362074_00054_35178_9994.N1	21NOV2008 15:12:15	21NOV2008 16:52:51	0	0	0	0	0
11	SCI_NL__OPNPDK20081121_165154_000056172074_00055_35179_9995.N1	21NOV2008 16:51:54	21NOV2008 18:25:31	0	0	0	0	0
12	SCI_NL__OPNPDK20081121_182943_000057452074_00056_35180_9996.N1	21NOV2008 18:29:43	21NOV2008 20:05:28	0	0	0	0	0
13	SCI_NL__OPNPDE20081121_201019_000041672074_00057_35181_7947.N1	21NOV2008 20:10:19	21NOV2008 21:19:46	0	0	0	0	0
14	SCI_NL__OPNPDE20081121_211838_000060712074_00057_35181_7948.N1	21NOV2008 21:18:38	21NOV2008 22:59:49	0	0	0	0	0
15	SCI_NL__OPNPDE20081121_230556_000056822074_00058_35182_7949.N1	21NOV2008 23:05:56	22NOV2008 00:40:38	0	0	0	0	0

0.2 Product Quality Indicators

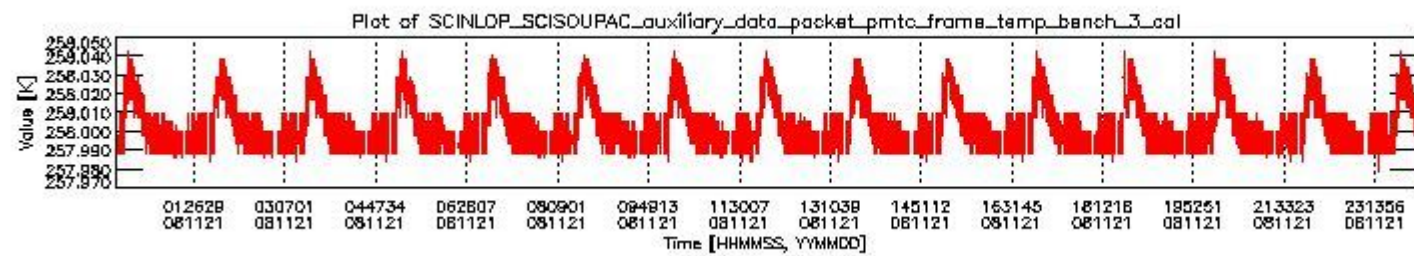
This section shows information about product quality, currently temperatures.



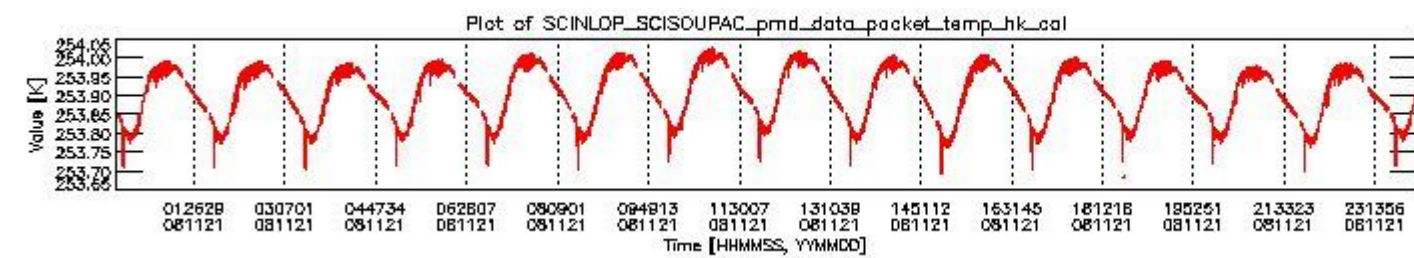
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081121_0.PNG



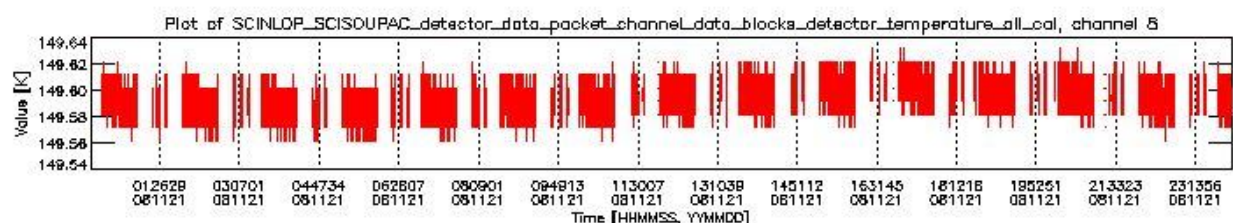
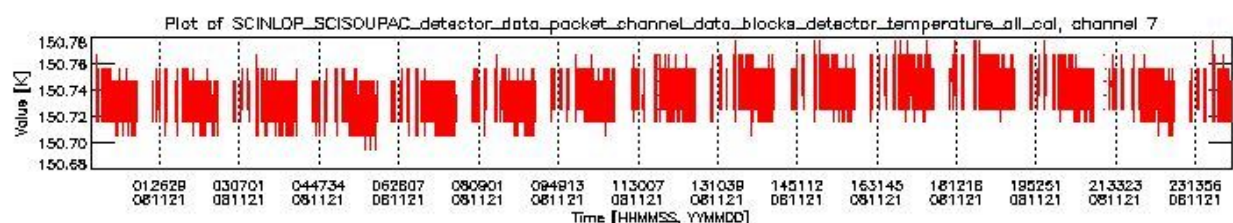
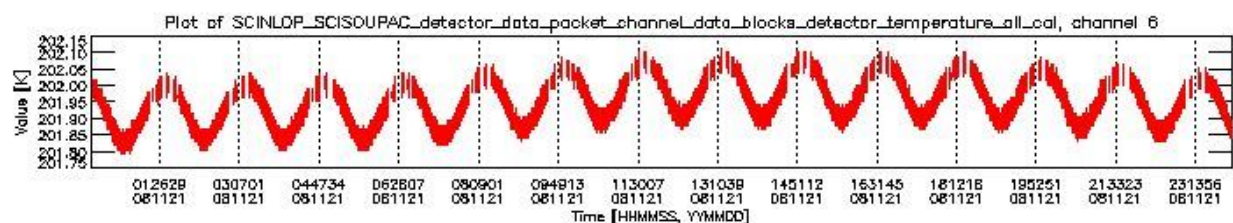
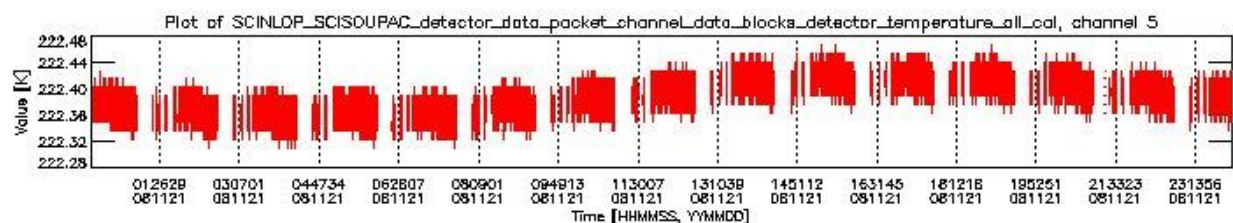
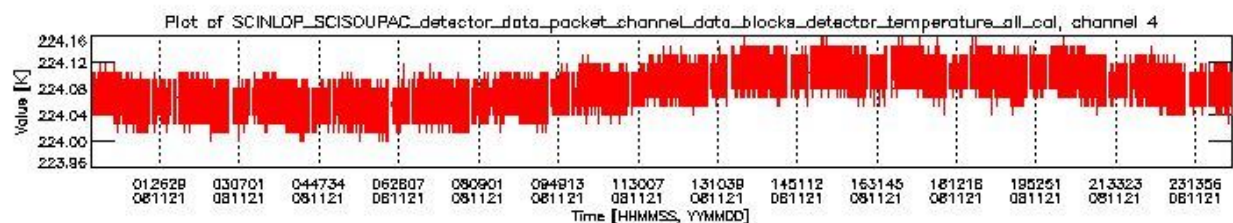
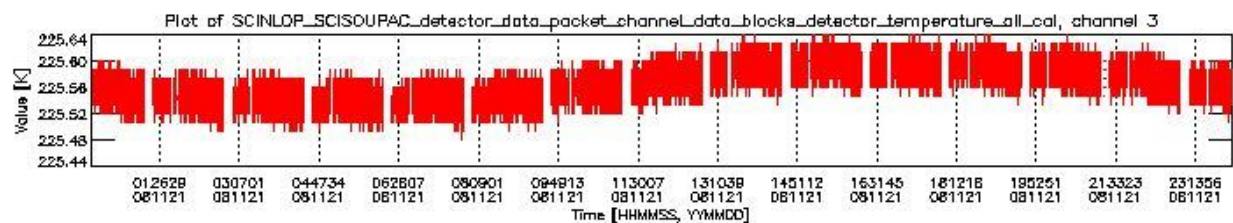
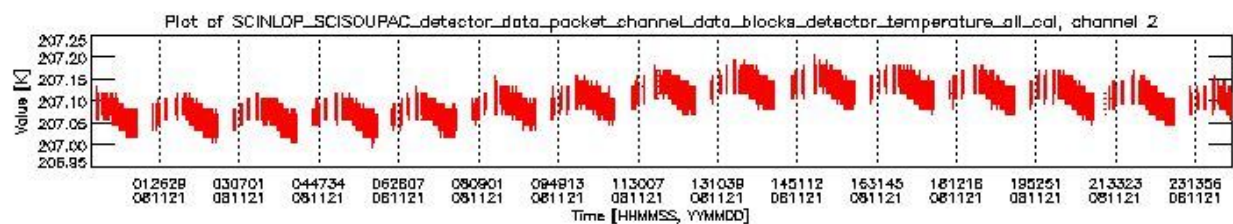
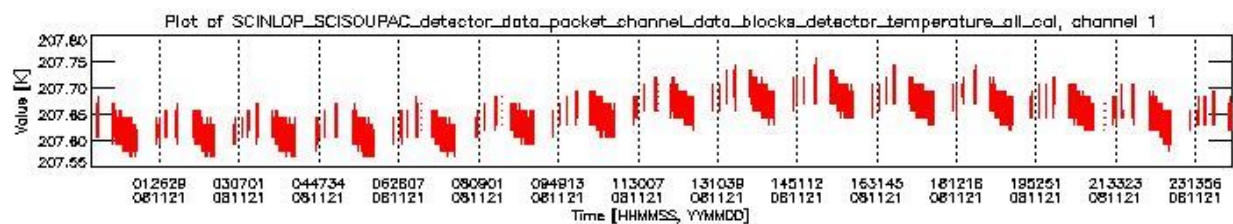
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081121_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081121_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081121_3.PNG

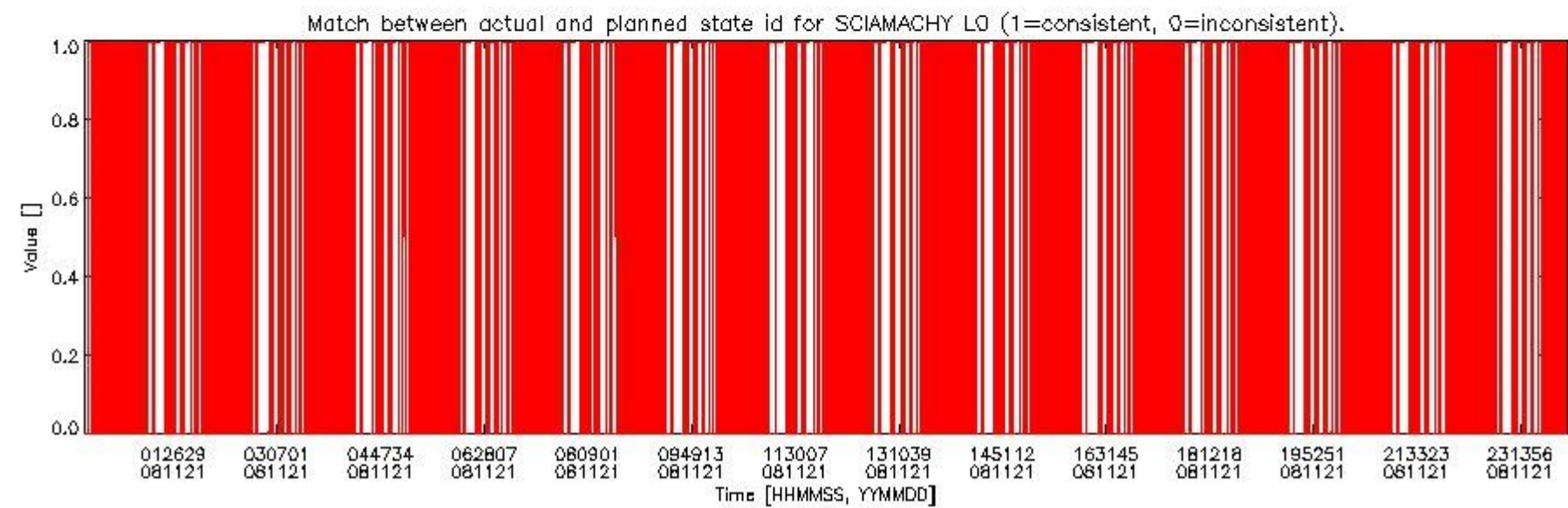
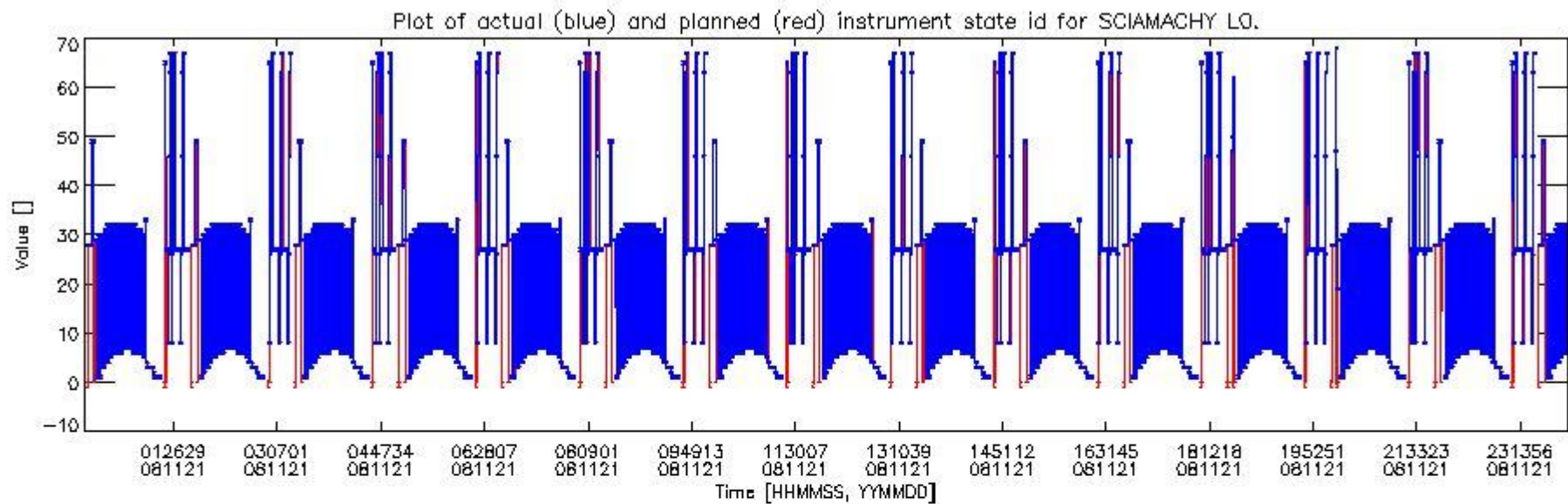


0.3 State monitoring

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: **57117**

#	Actual time	Actual value	Planned time	Planned value
0	21NOV2008 00:03:05.150434	28	21NOV2008 00:03:05.150434	0
1	21NOV2008 00:03:05.775416	28	21NOV2008 00:03:05.775416	0
2	21NOV2008 00:03:06.150429	28	21NOV2008 00:03:06.150429	0
3	21NOV2008 00:03:06.525442	28	21NOV2008 00:03:06.525442	0
4	21NOV2008 00:03:07.087941	28	21NOV2008 00:03:07.087941	0
5	21NOV2008 00:03:07.462914	28	21NOV2008 00:03:07.462914	0
6	21NOV2008 00:03:07.837927	28	21NOV2008 00:03:07.837927	0
7	21NOV2008 00:03:08.212940	28	21NOV2008 00:03:08.212940	0
8	21NOV2008 00:03:08.775440	28	21NOV2008 00:03:08.775440	0
9	21NOV2008 00:03:09.150412	28	21NOV2008 00:03:09.150412	0
10	21NOV2008 00:03:09.525425	28	21NOV2008 00:03:09.525425	0
11	21NOV2008 00:03:09.900438	28	21NOV2008 00:03:09.900438	0
12	21NOV2008 00:03:10.150447	28	21NOV2008 00:03:10.150447	0
13	21NOV2008 00:03:10.462938	28	21NOV2008 00:03:10.462938	0
14	21NOV2008 00:03:10.837911	28	21NOV2008 00:03:10.837911	0
15	21NOV2008 00:03:11.212924	28	21NOV2008 00:03:11.212924	0
16	21NOV2008 00:03:11.587937	28	21NOV2008 00:03:11.587937	0
17	21NOV2008 00:03:12.150436	28	21NOV2008 00:03:12.150436	0
18	21NOV2008 00:03:12.525409	28	21NOV2008 00:03:12.525409	0
19	21NOV2008 00:03:12.900422	28	21NOV2008 00:03:12.900422	0

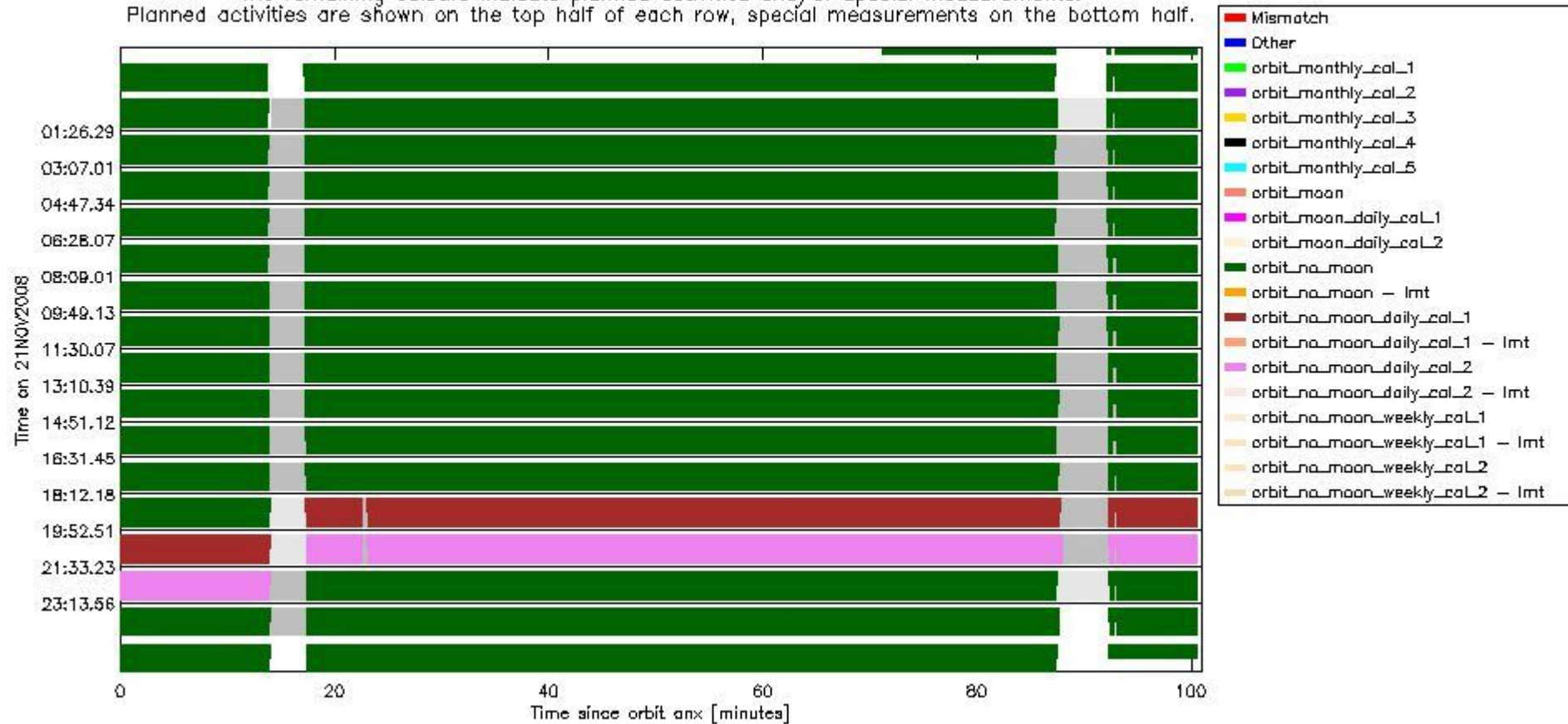


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081121_5.PNG

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 21NOV2008.
 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_20081121_6.PNG

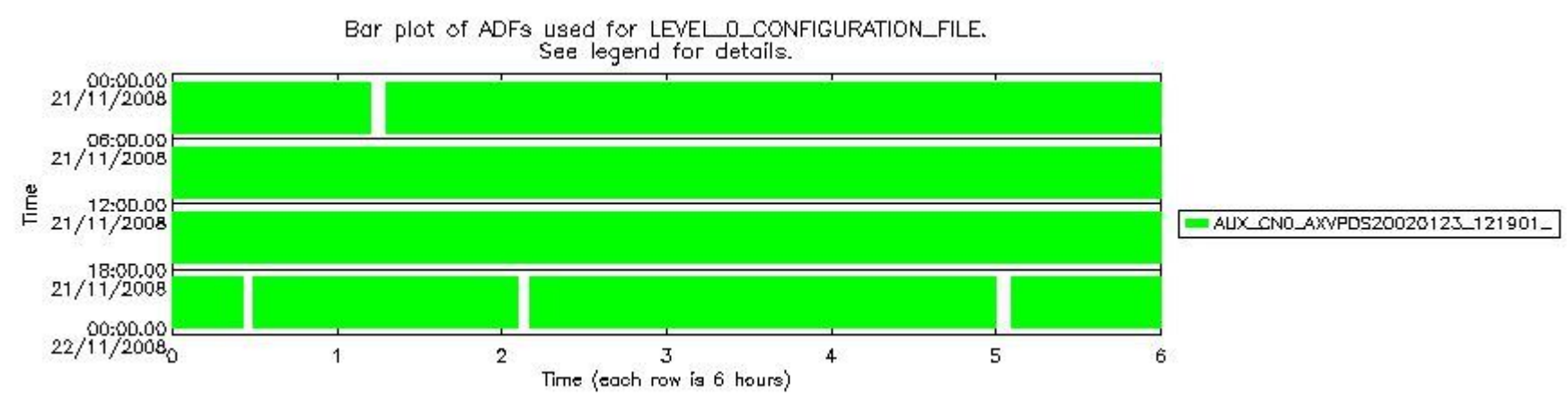
0.4 ADF monitoring

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

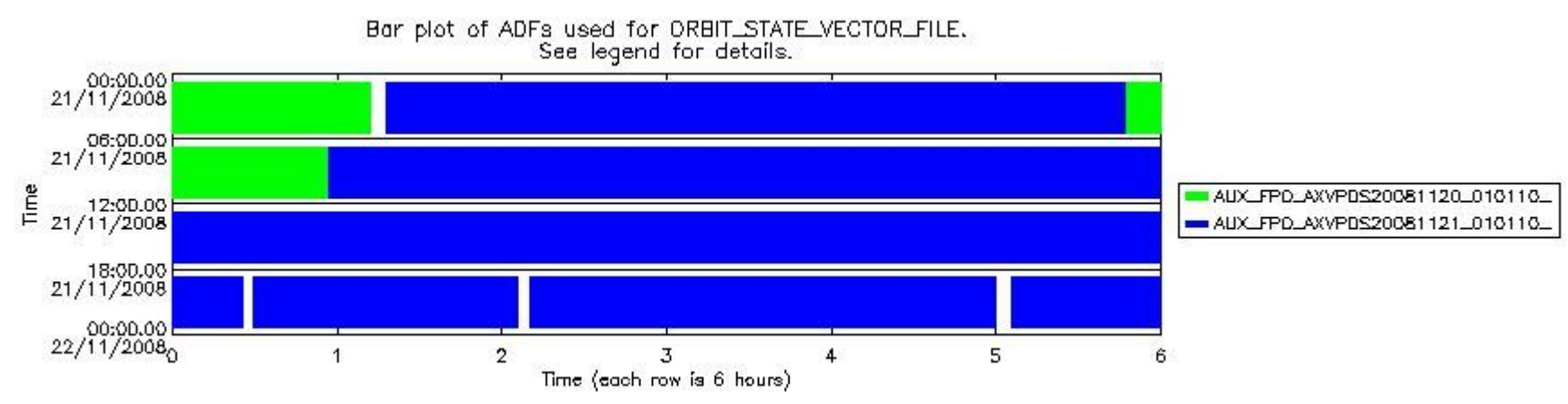
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

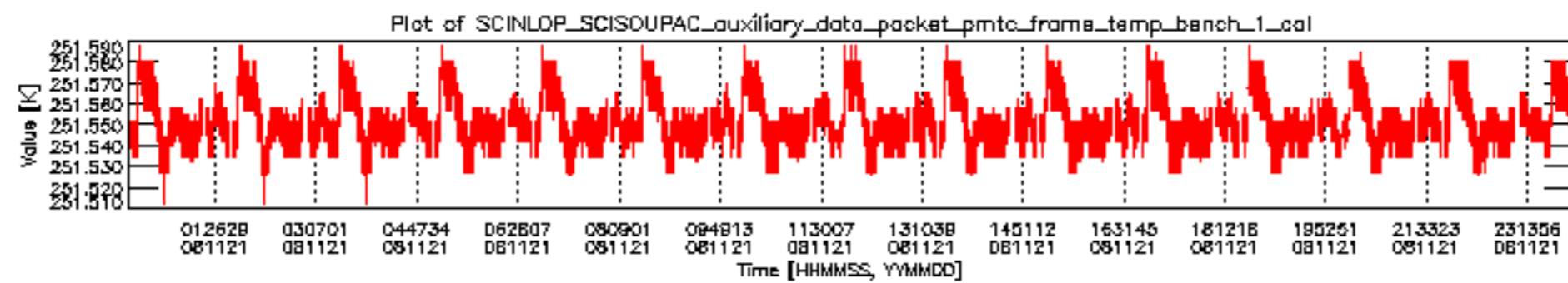
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081120_010110_20081119_191537_20081129_204152
2	AUX_FPO_AXVPDS20081121_010110_20081120_184400_20081130_201015

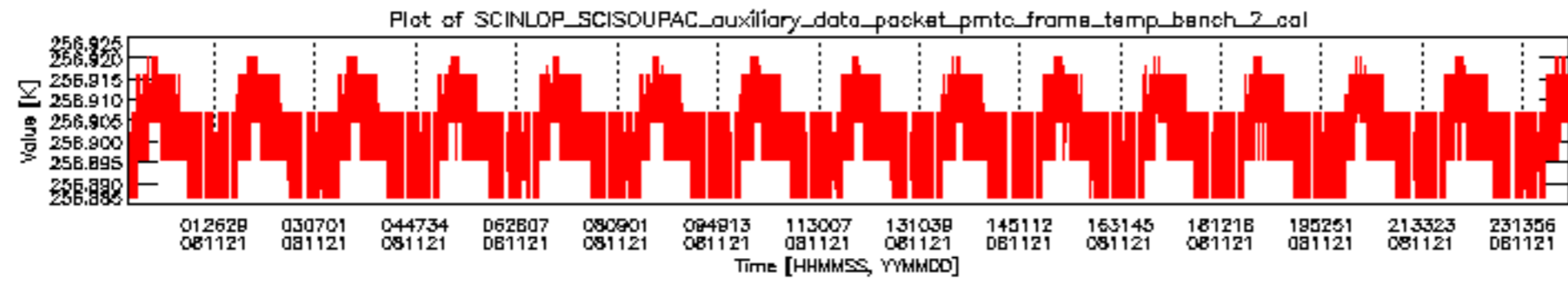


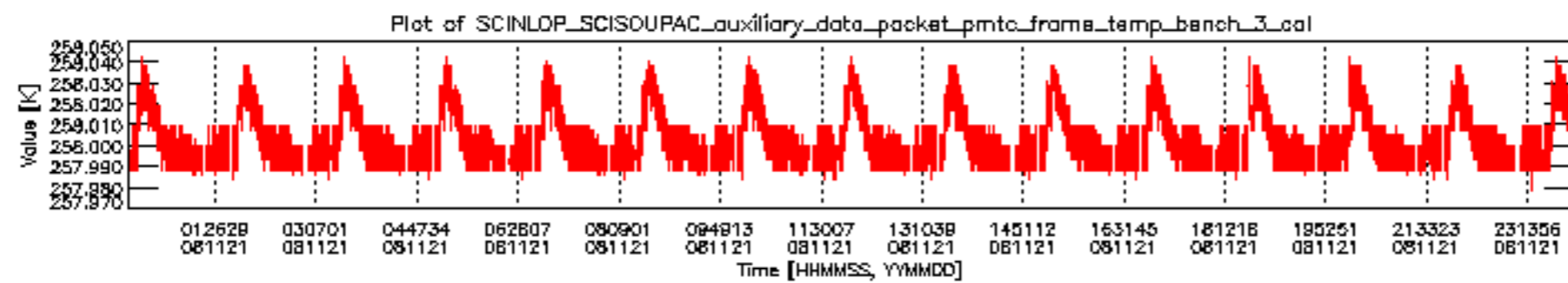
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081121_7.PNG

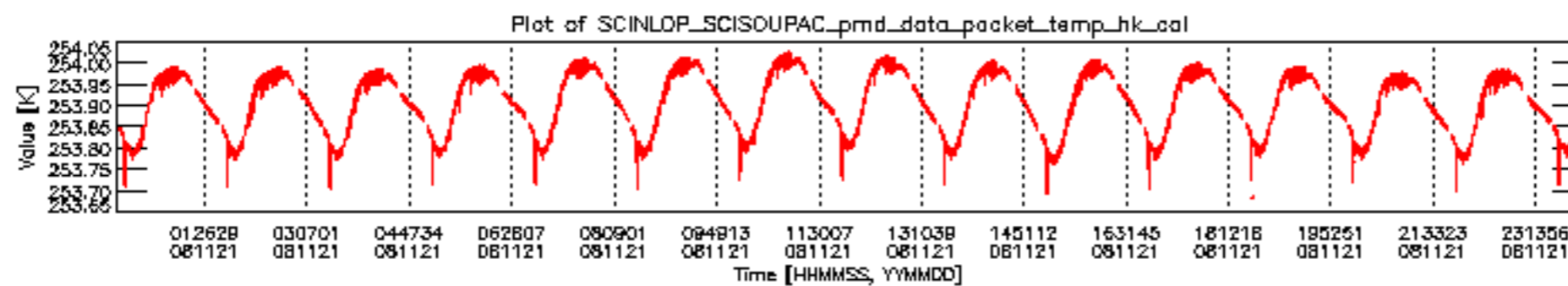


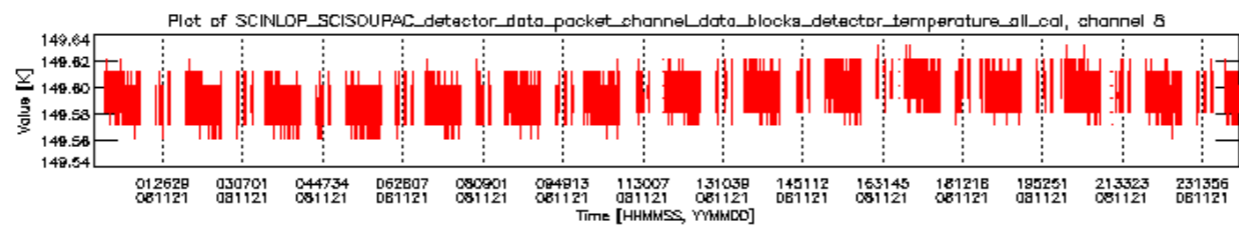
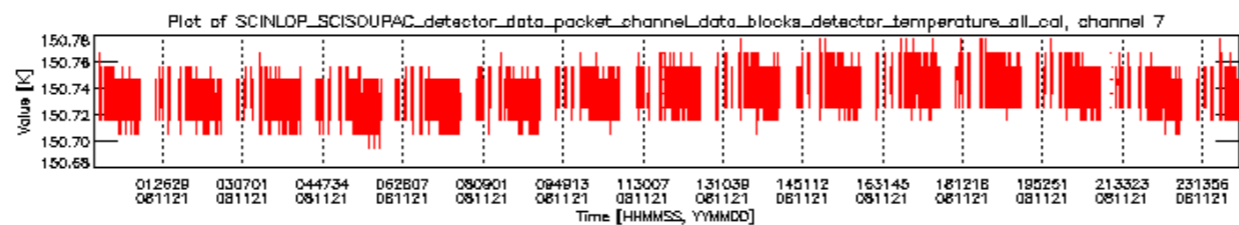
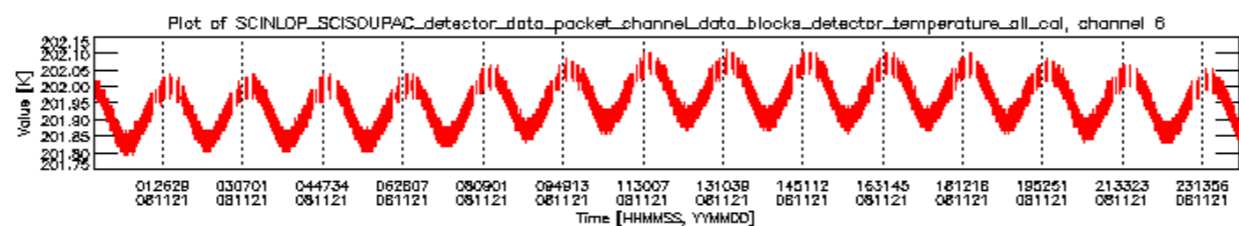
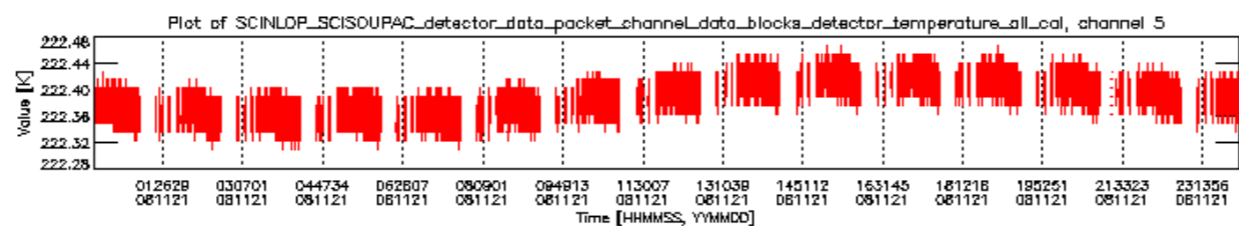
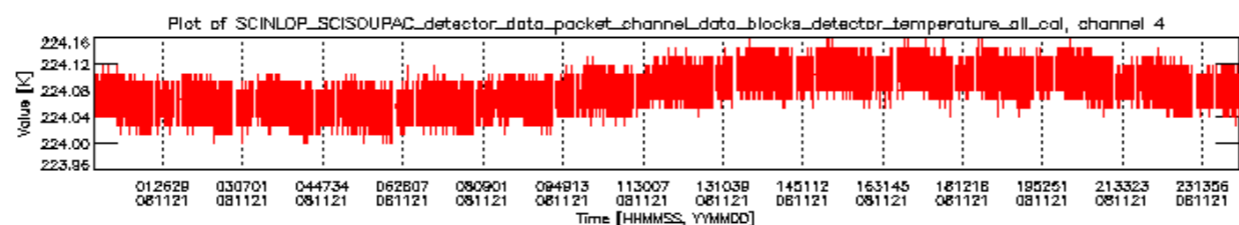
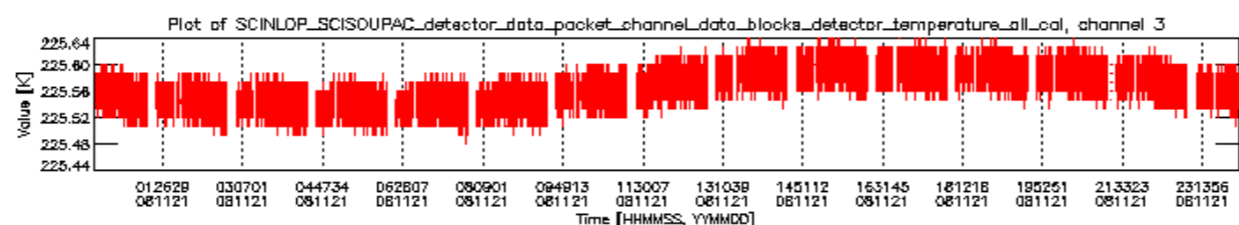
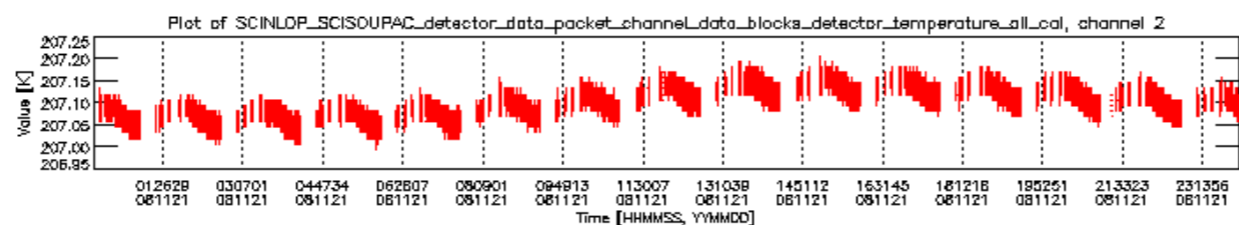
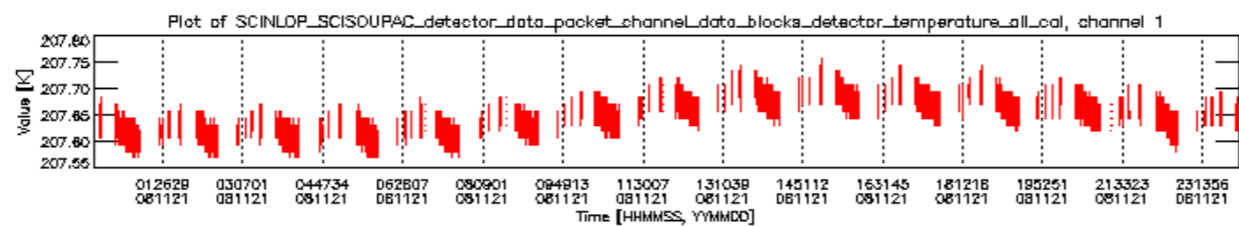
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081121_8.PNG

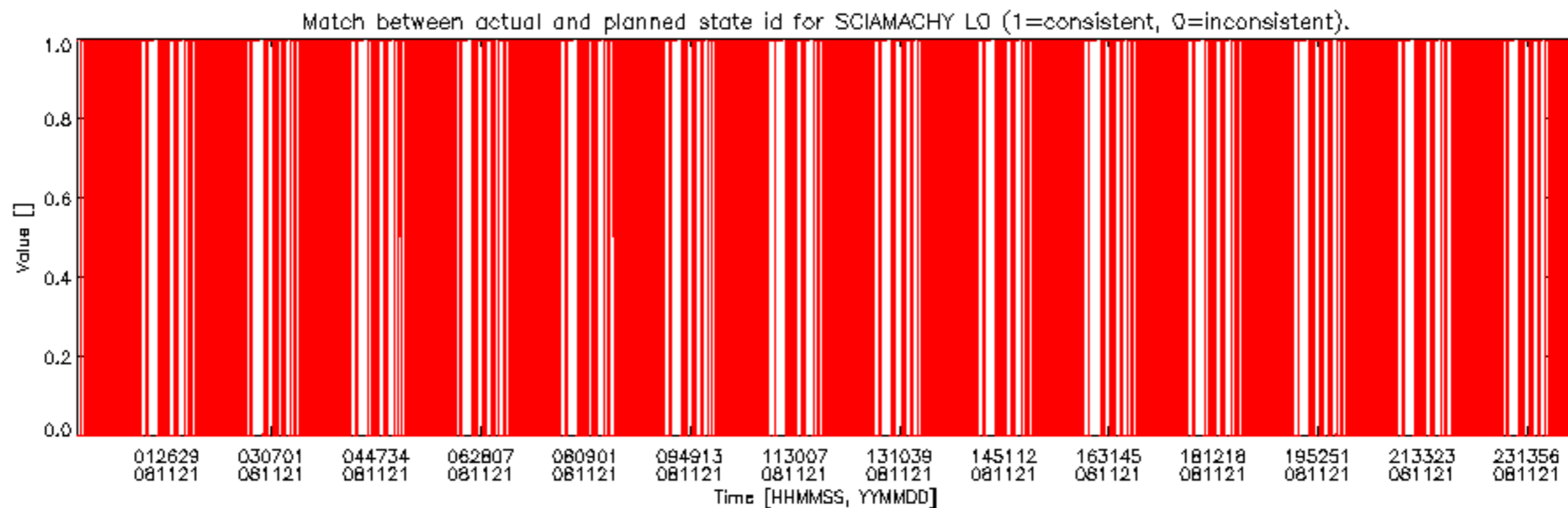
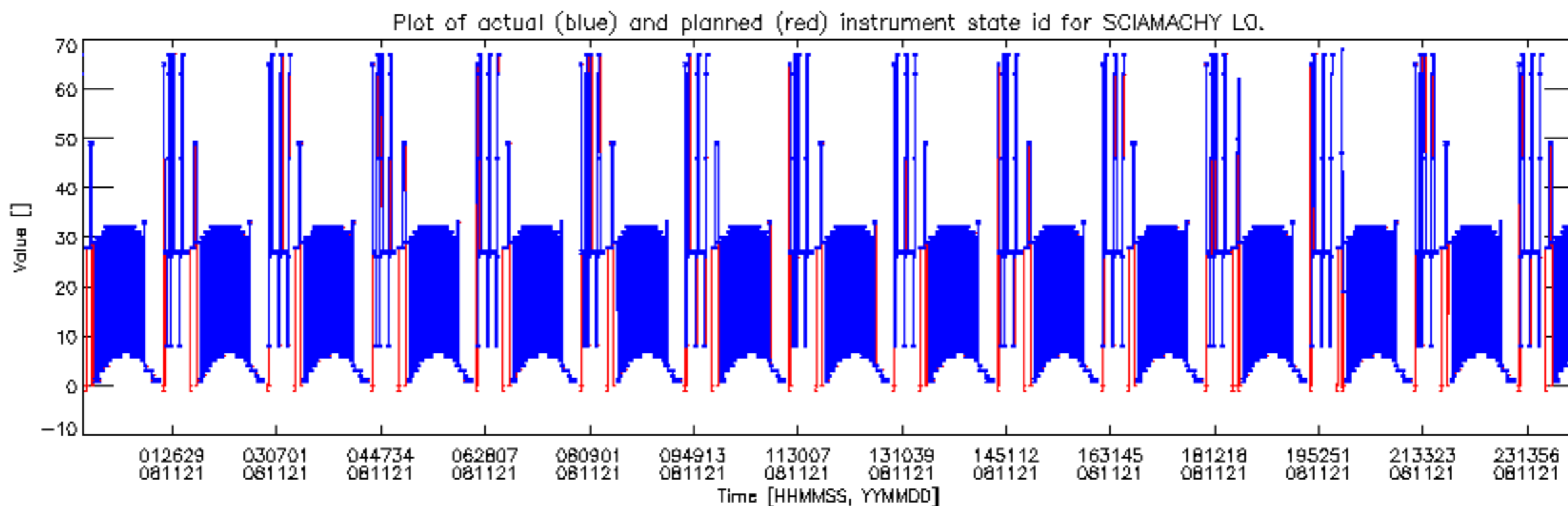












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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