

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	04DEC2008 04:59:32
Data source version	KSPT_L0/4303-N
Processing scope for products	30NOV2008 00:00:00 to 01DEC2008 00:00:00
Start time of first product within scope	29NOV2008 23:48:12
Stop time of last product within scope	30NOV2008 20:23:59
Total number of level 0 products	12
Number of level 0 products with errors	0

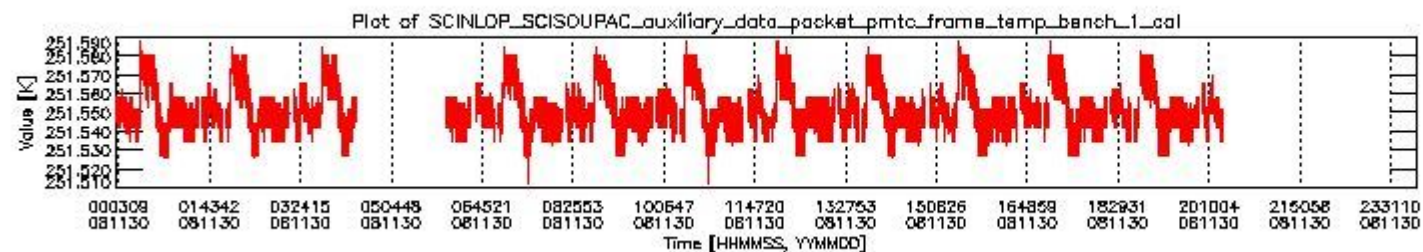
0.1.2 Summary per product

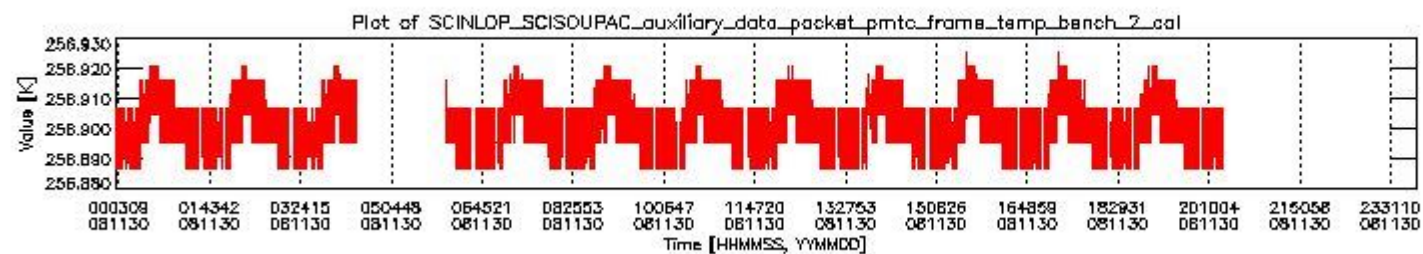
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDE20081129_234812_000060922074_00173_35297_8003.N1	29NOV2008 23:48:12	30NOV2008 01:29:44	0	0	0	0	0
1	SCI_NL__0PNPDE20081130_012944_000046722074_00174_35298_8004.N1	30NOV2008 01:29:44	30NOV2008 02:47:36	0	0	0	0	0
2	SCI_NL__0PNPDE20081130_024736_000058432074_00175_35299_8005.N1	30NOV2008 02:47:36	30NOV2008 04:24:59	0	0	0	0	0
3	SCI_NL__0PNPDK20081130_060440_000041012074_00177_35301_0067.N1	30NOV2008 06:04:40	30NOV2008 07:13:01	0	0	0	0	0
4	SCI_NL__0PNPDK20081130_071205_000061612074_00178_35302_0068.N1	30NOV2008 07:12:05	30NOV2008 08:54:45	0	0	0	0	0
5	SCI_NL__0PNPDK20081130_085350_000060922074_00179_35303_0069.N1	30NOV2008 08:53:50	30NOV2008 10:35:22	0	0	0	0	0
6	SCI_NL__0PNPDK20081130_103317_000058682074_00180_35304_0070.N1	30NOV2008 10:33:17	30NOV2008 12:11:06	0	0	0	0	0
7	SCI_NL__0PNPDK20081130_120848_000062862074_00181_35305_0071.N1	30NOV2008 12:08:48	30NOV2008 13:53:33	0	0	0	0	0
8	SCI_NL__0PNPDK20081130_135238_000058422074_00182_35306_0072.N1	30NOV2008 13:52:38	30NOV2008 15:30:00	0	0	0	0	0
9	SCI_NL__0PNPDK20081130_153000_000058682074_00183_35307_0073.N1	30NOV2008 15:30:00	30NOV2008 17:07:47	0	0	0	0	0
10	SCI_NL__0PNPDK20081130_170652_000057522074_00184_35308_0074.N1	30NOV2008 17:06:52	30NOV2008 18:42:43	0	0	0	0	0
11	SCI_NL__0PNPDK20081130_184728_000057912074_00185_35309_0075.N1	30NOV2008 18:47:28	30NOV2008 20:23:59	0	0	0	0	0

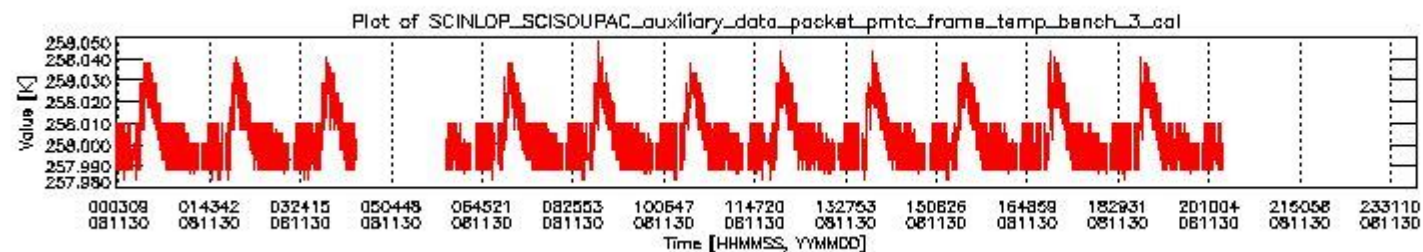
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

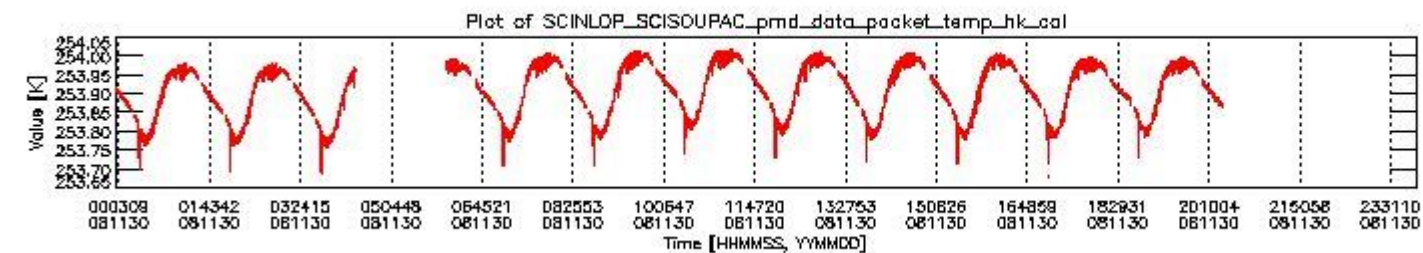




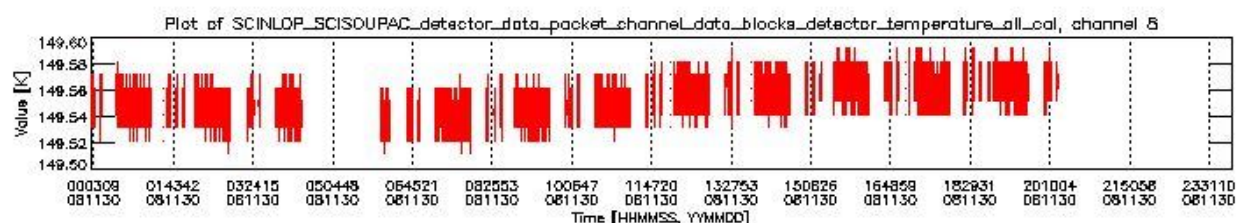
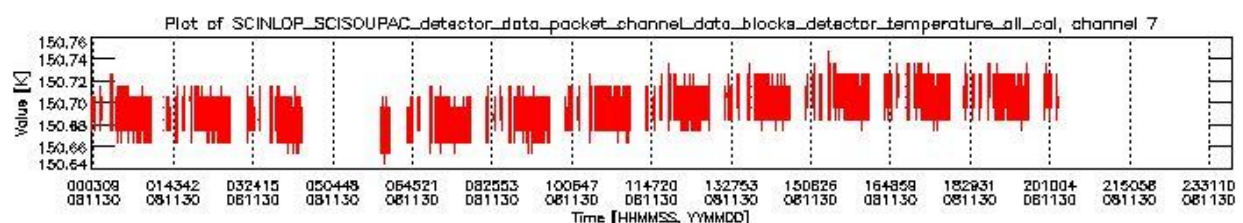
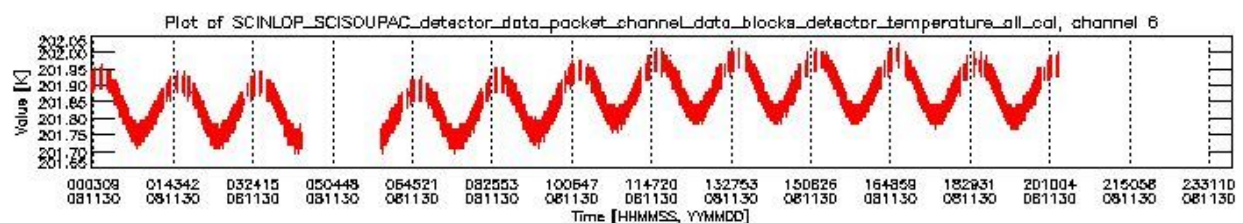
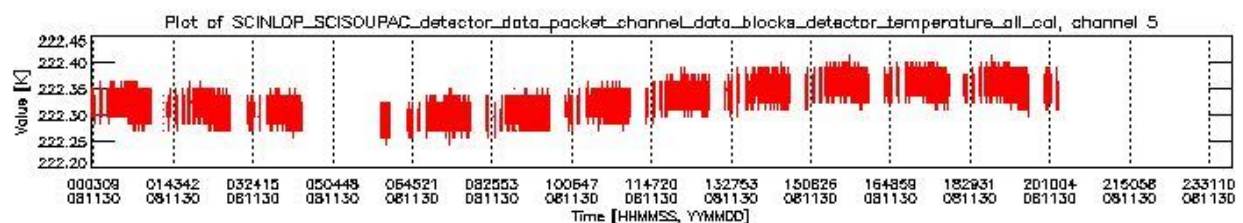
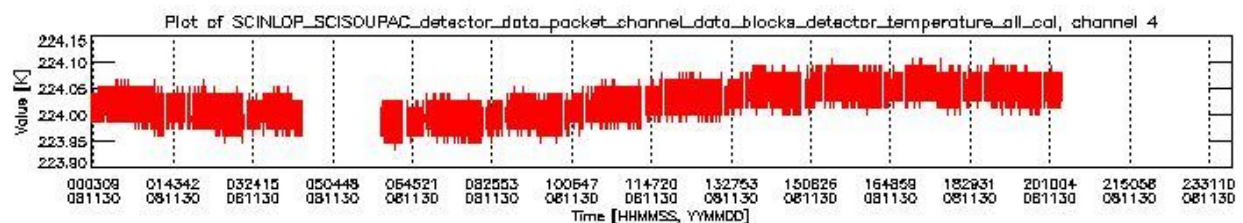
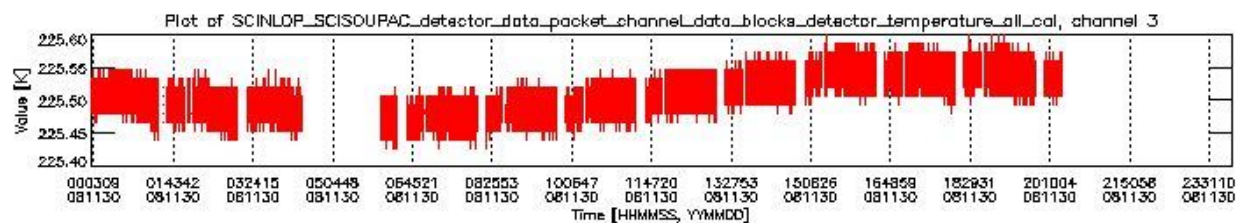
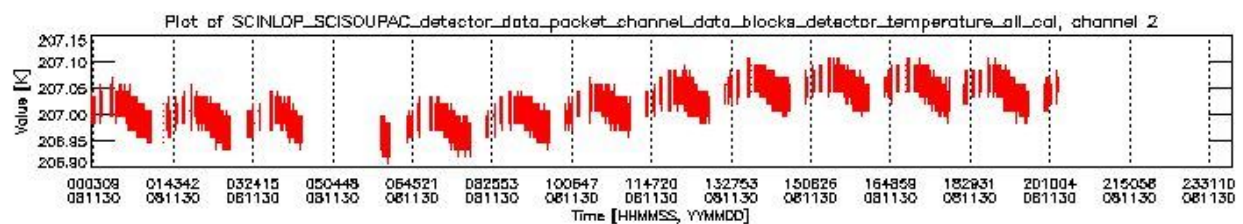
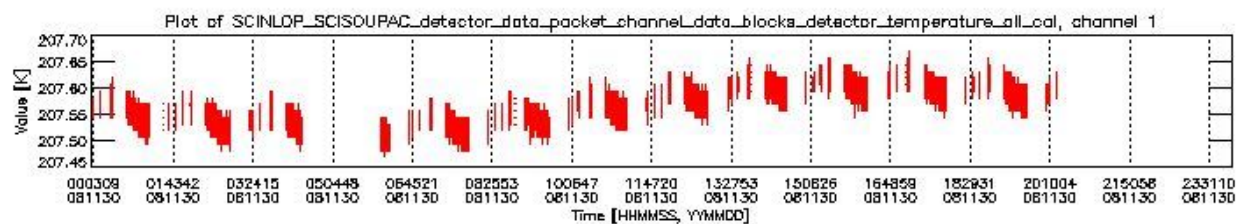
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081130_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081130_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081130_3.PNG

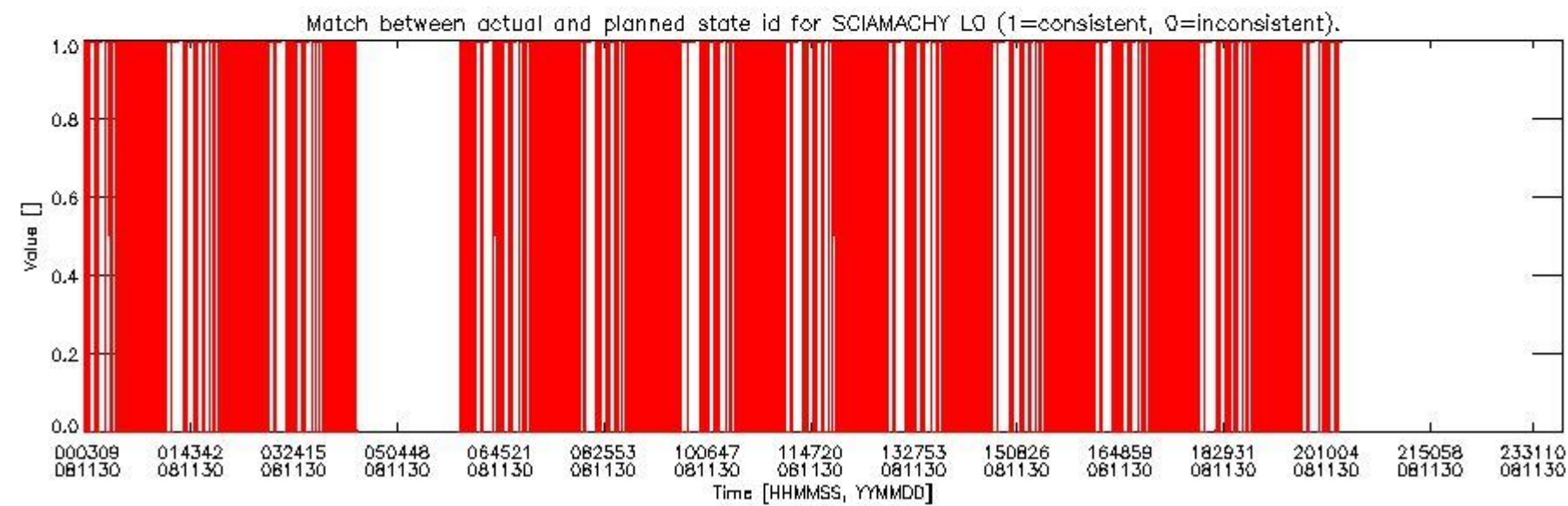
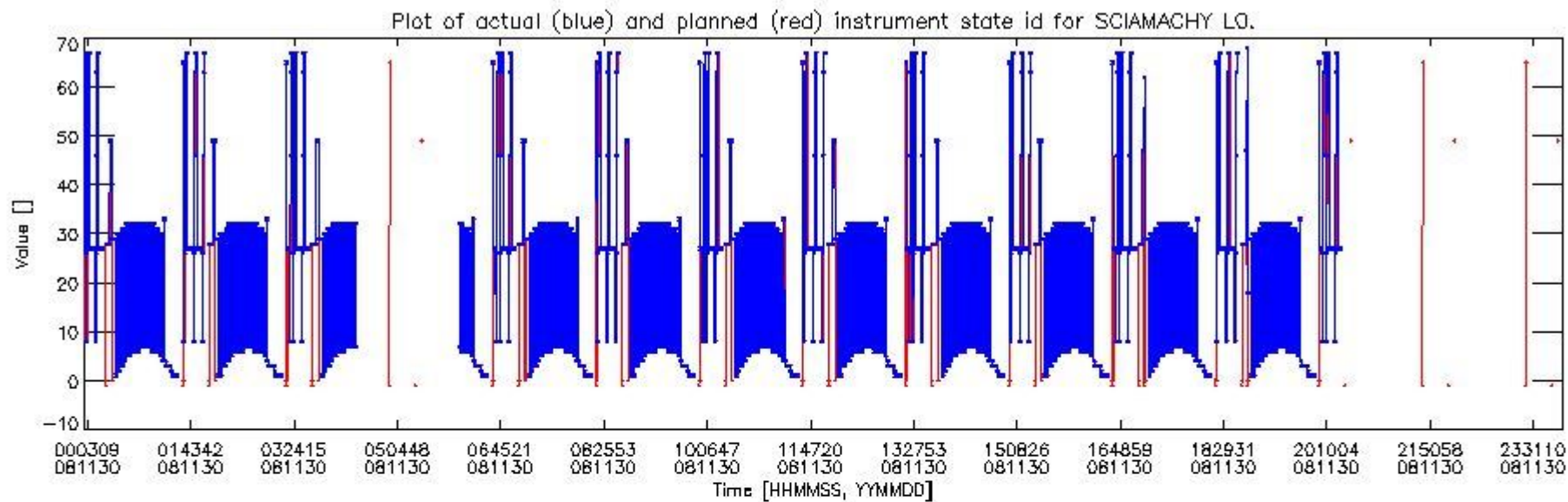


0.3 State monitoring

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: **36495**

#	Actual time	Actual value	Planned time	Planned value
0	30NOV2008 00:00:21.141426	67	30NOV2008 00:00:21.141426	63
1	30NOV2008 00:00:21.391435	67	30NOV2008 00:00:21.391435	63
2	30NOV2008 00:00:21.516439	67	30NOV2008 00:00:21.516439	63
3	30NOV2008 00:00:21.641444	67	30NOV2008 00:00:21.641444	63
4	30NOV2008 00:00:21.766448	67	30NOV2008 00:00:21.766448	63
5	30NOV2008 00:00:21.891452	67	30NOV2008 00:00:21.891452	63
6	30NOV2008 00:00:22.016457	67	30NOV2008 00:00:22.016457	63
7	30NOV2008 00:00:22.141461	67	30NOV2008 00:00:22.141461	63
8	30NOV2008 00:00:22.266465	67	30NOV2008 00:00:22.266465	63
9	30NOV2008 00:00:22.391430	67	30NOV2008 00:00:22.391430	63
10	30NOV2008 00:00:22.516434	67	30NOV2008 00:00:22.516434	63
11	30NOV2008 00:00:22.641438	67	30NOV2008 00:00:22.641438	63
12	30NOV2008 00:00:22.766443	67	30NOV2008 00:00:22.766443	63
13	30NOV2008 00:00:22.891447	67	30NOV2008 00:00:22.891447	63
14	30NOV2008 00:00:23.016451	67	30NOV2008 00:00:23.016451	63
15	30NOV2008 00:00:23.141456	67	30NOV2008 00:00:23.141456	63
16	30NOV2008 00:00:23.266460	67	30NOV2008 00:00:23.266460	63
17	30NOV2008 00:00:23.391464	67	30NOV2008 00:00:23.391464	63
18	30NOV2008 00:00:23.516428	67	30NOV2008 00:00:23.516428	63
19	30NOV2008 00:00:23.641433	67	30NOV2008 00:00:23.641433	63

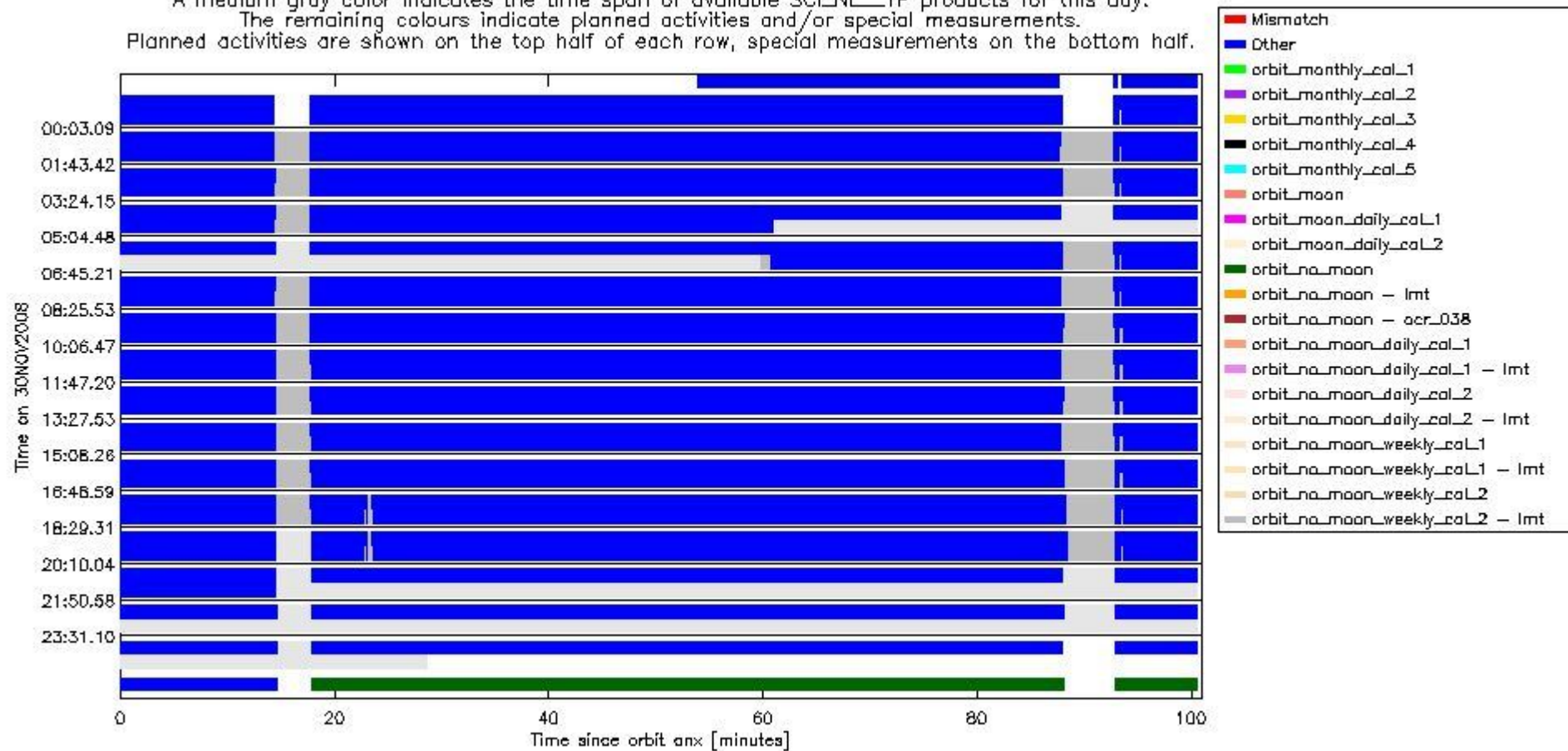


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081130_5.PNG

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 30NOV2008.
 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_20081130_6.PNG

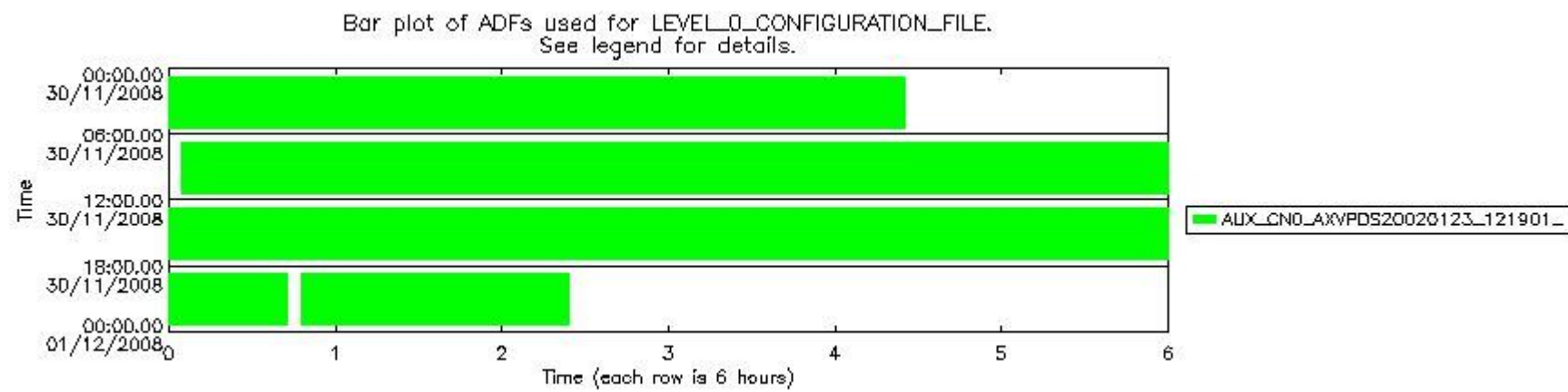
0.4 ADF monitoring

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

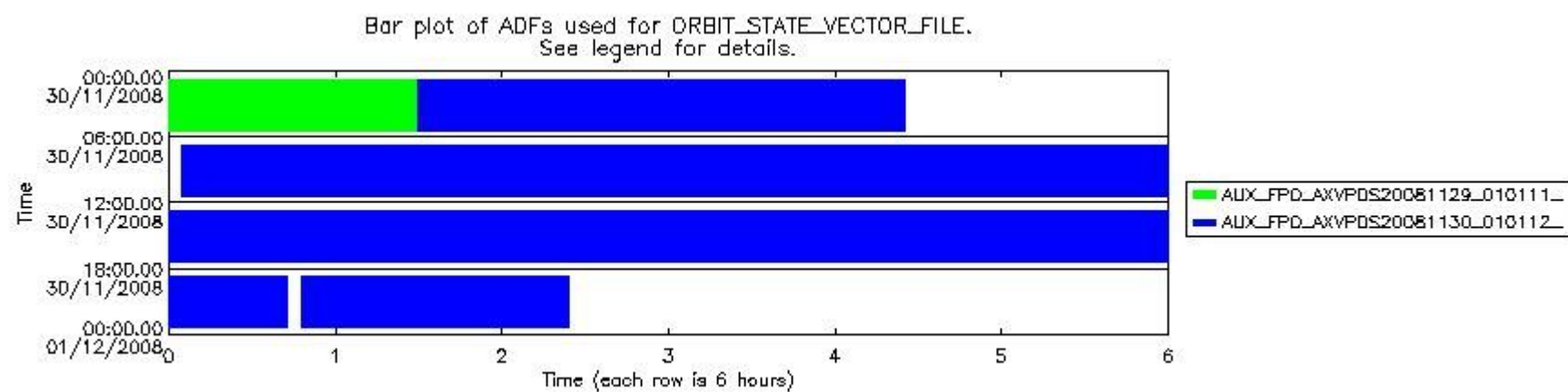
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

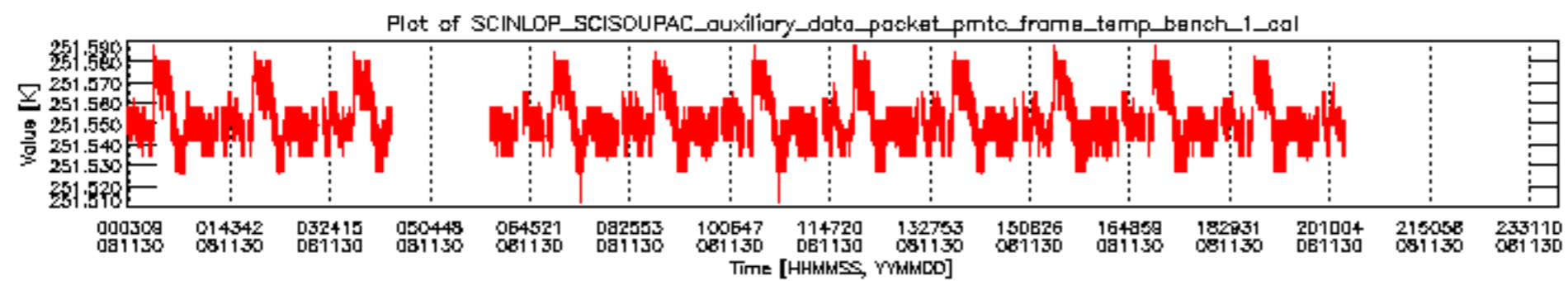
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081129_010111_20081128_193253_20081208_205907
2	AUX_FPO_AXVPDS20081130_010112_20081129_190116_20081209_202730

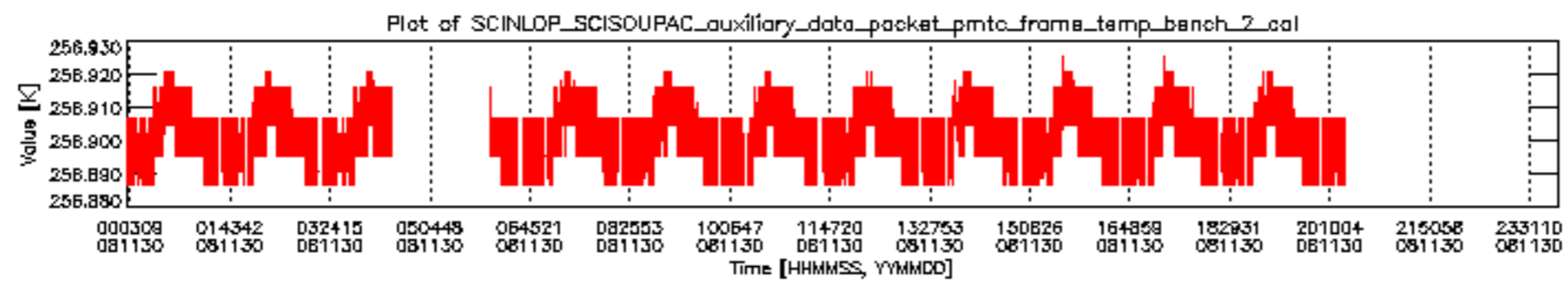


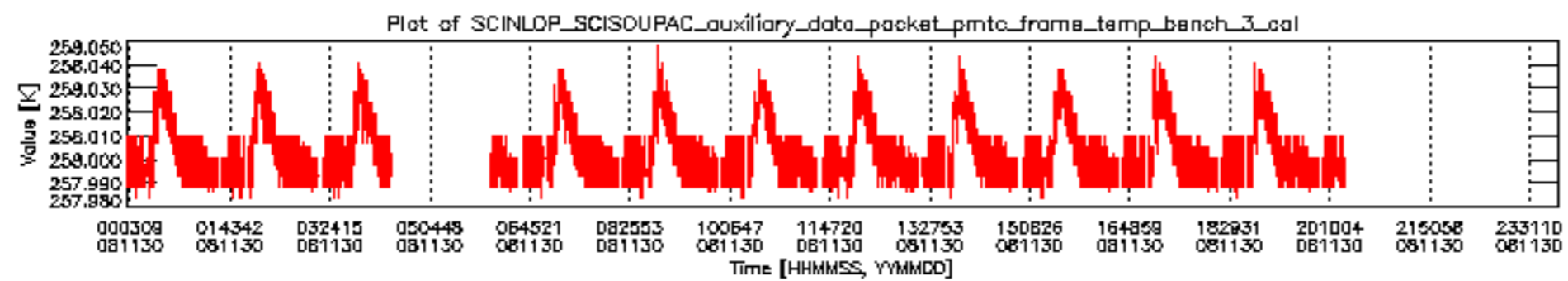
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081130_7.PNG

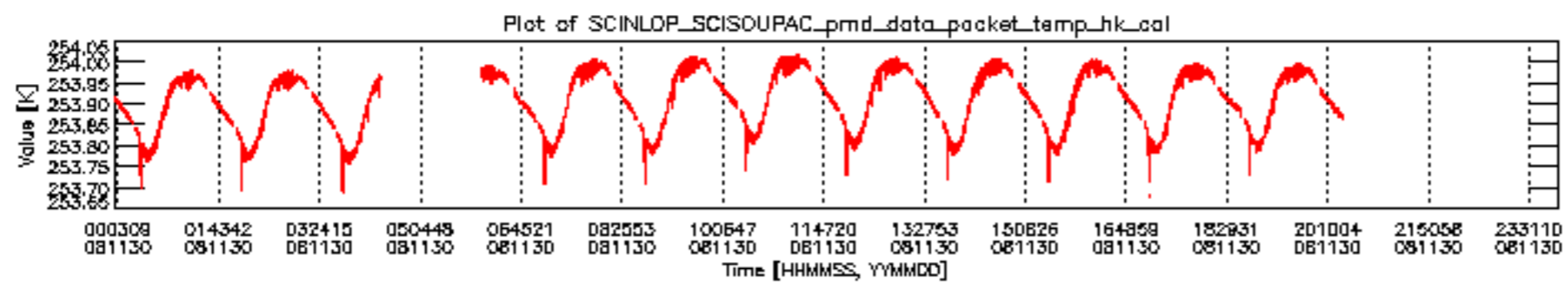


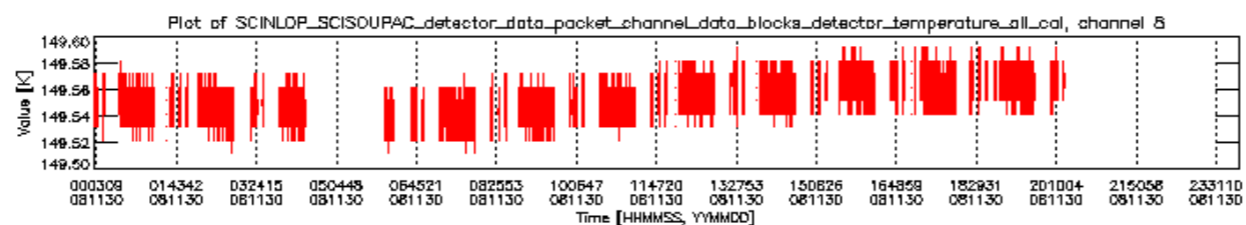
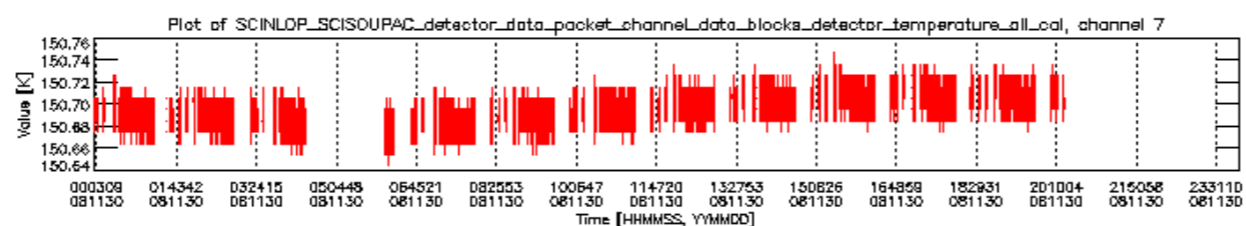
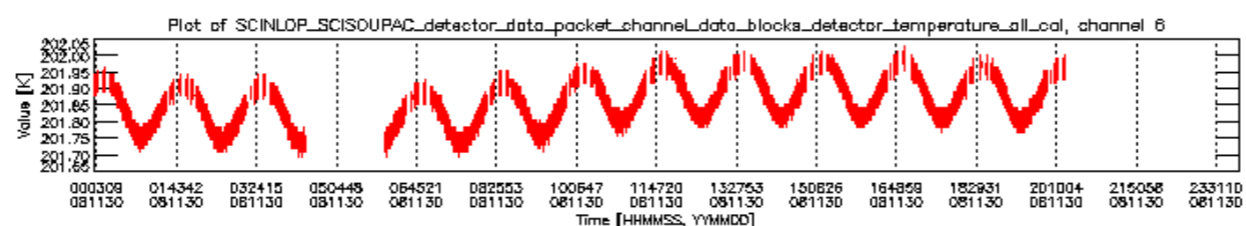
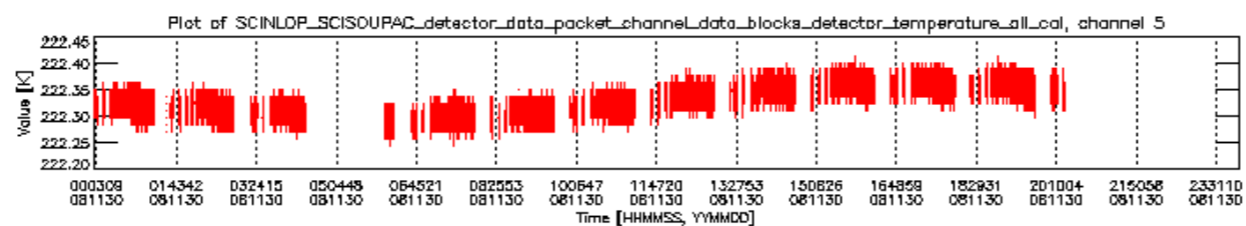
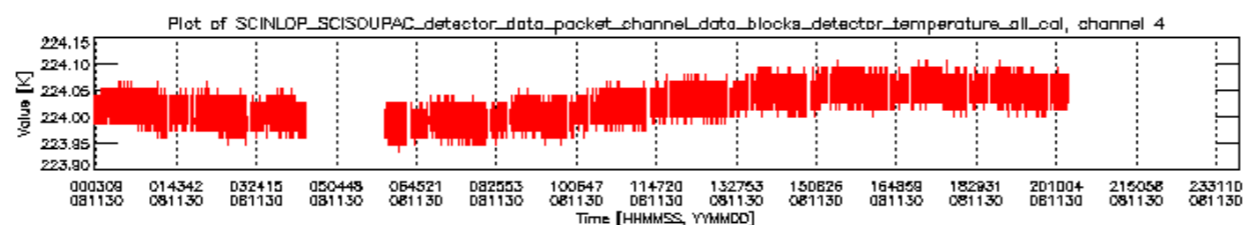
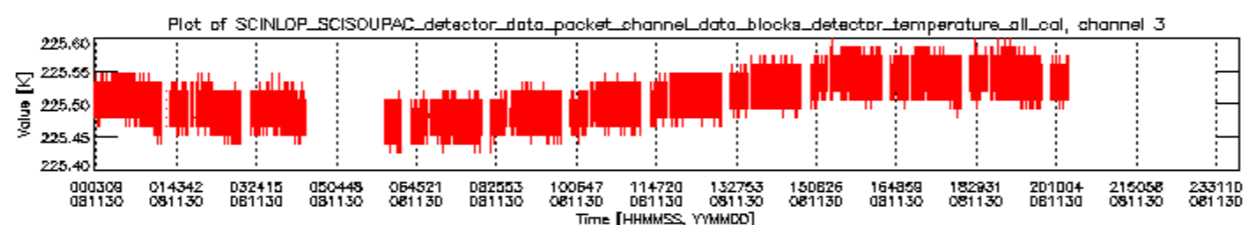
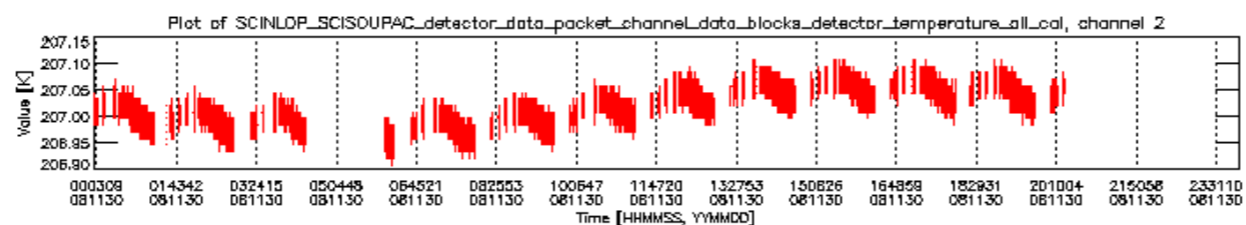
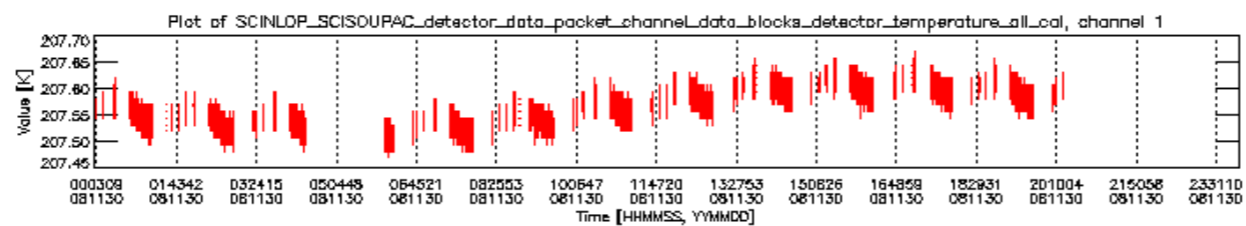
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081130_8.PNG

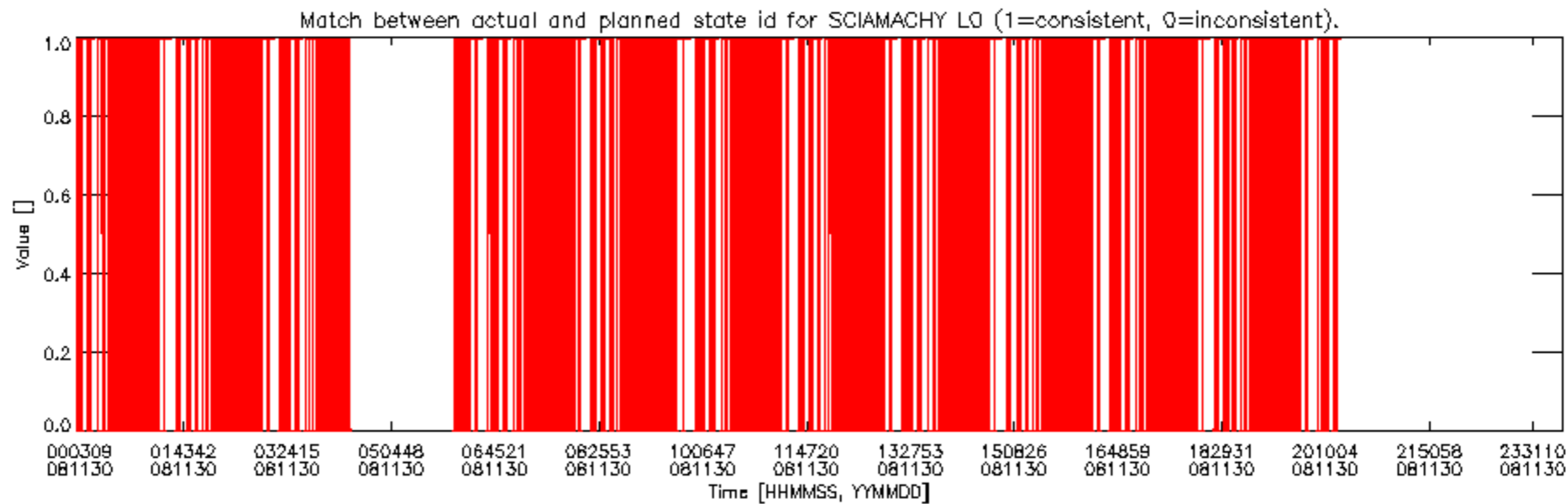
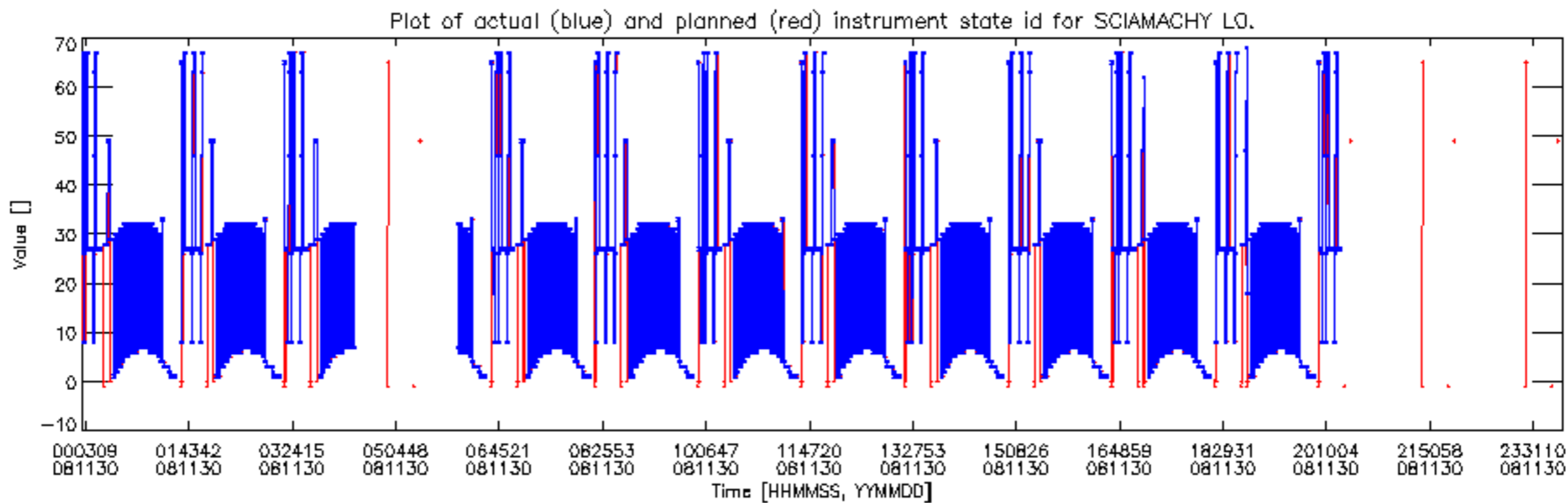












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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