

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	03DEC2008 05:39:08
Data source version	KSPT_L0/4303-N
Processing scope for products	29NOV2008 00:00:00 to 30NOV2008 00:00:00
Start time of first product within scope	28NOV2008 22:46:18
Stop time of last product within scope	30NOV2008 01:29:44
Total number of level 0 products	17
Number of level 0 products with errors	1

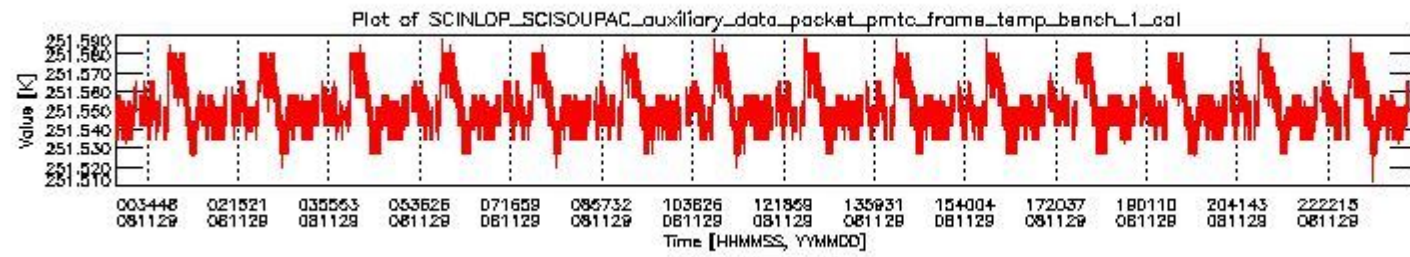
0.1.2 Summary per product

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

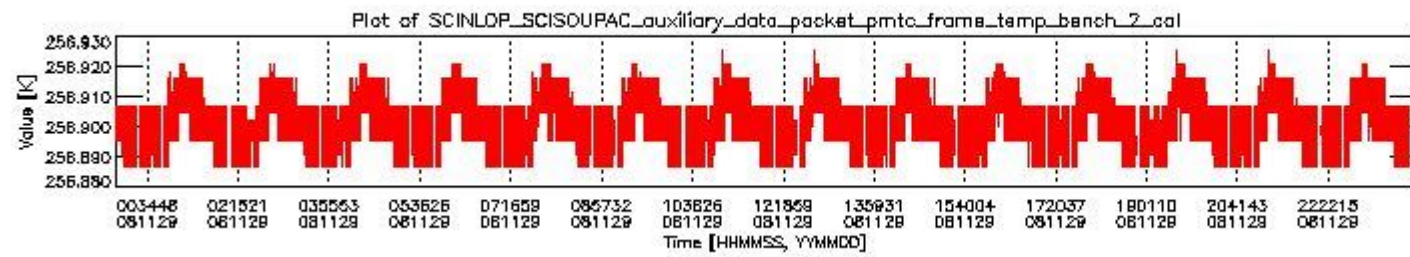
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081128_224618_000056772074_00158_35282_7996.N1	28NOV2008 22:46:18	29NOV2008 00:20:54	0	0	0	0	0
1	SCI_NL__OPNPDE20081129_002054_000059552074_00159_35283_7997.N1	29NOV2008 00:20:54	29NOV2008 02:00:09	0	0	0	0	0
2	SCI_NL__OPNPDE20081129_015901_000045612074_00160_35284_7998.N1	29NOV2008 01:59:01	29NOV2008 03:15:02	0	0	0	0	0
3	SCI_NL__OPNPDE20081129_031406_000061482074_00161_35285_7999.N1	29NOV2008 03:14:06	29NOV2008 04:56:34	0	0	0	0	0
4	SCI_NL__OPNPDE20081129_045634_000060492074_00162_35286_8000.N1	29NOV2008 04:56:34	29NOV2008 06:37:22	0	0	0	0	0
5	SCI_NL__OPNPDK20081129_063722_000040332074_00163_35287_0058.N1	29NOV2008 06:37:22	29NOV2008 07:44:35	0	0	0	0	0
6	SCI_NL__OPNPDK20081129_074339_000061052074_00164_35288_0059.N1	29NOV2008 07:43:39	29NOV2008 09:25:24	1	1	0	0	0
7	SCI_NL__OPNPDK20081129_092415_000061612074_00165_35289_0060.N1	29NOV2008 09:24:15	29NOV2008 11:06:56	0	0	0	0	0
8	SCI_NL__OPNPDK20081129_110547_000059242074_00166_35290_0061.N1	29NOV2008 11:05:47	29NOV2008 12:44:32	0	0	0	0	0
9	SCI_NL__OPNPDK20081129_124336_000060362074_00167_35291_0062.N1	29NOV2008 12:43:36	29NOV2008 14:24:12	0	0	0	0	0
10	SCI_NL__OPNPDK20081129_142316_000058982074_00168_35292_0063.N1	29NOV2008 14:23:16	29NOV2008 16:01:34	0	0	0	0	0
11	SCI_NL__OPNPDK20081129_160037_000058692074_00169_35293_0064.N1	29NOV2008 16:00:37	29NOV2008 17:38:26	0	0	0	0	0
12	SCI_NL__OPNPDK20081129_173826_000057512074_00170_35294_0065.N1	29NOV2008 17:38:26	29NOV2008 19:14:17	0	0	0	0	0
13	SCI_NL__OPNPDK20081129_191902_000057902074_00171_35295_0066.N1	29NOV2008 19:19:02	29NOV2008 20:55:32	0	0	0	0	0
14	SCI_NL__OPNPDE20081129_205448_000044232074_00172_35296_8001.N1	29NOV2008 20:54:48	29NOV2008 22:08:32	0	0	0	0	0
15	SCI_NL__OPNPDE20081129_220832_000060492074_00172_35296_8002.N1	29NOV2008 22:08:32	29NOV2008 23:49:20	0	0	0	0	0
16	SCI_NL__OPNPDE20081129_234812_000060922074_00173_35297_8003.N1	29NOV2008 23:48:12	30NOV2008 01:29:44	0	0	0	0	0

0.2 Product Quality Indicators

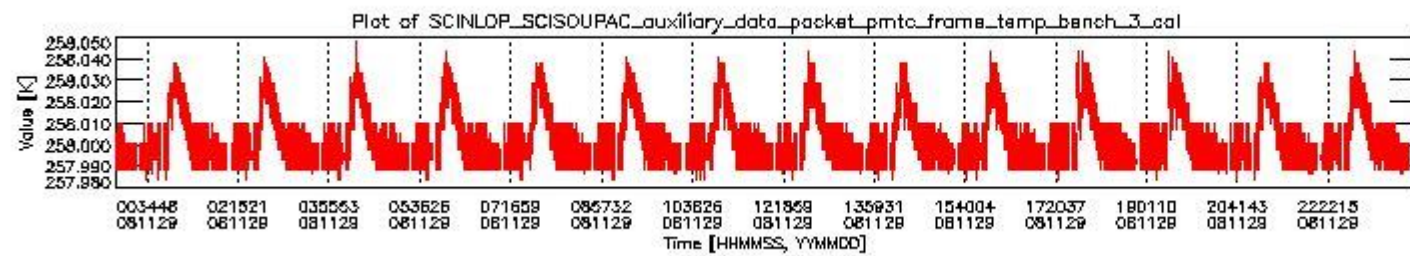
This section shows information about product quality, currently temperatures.



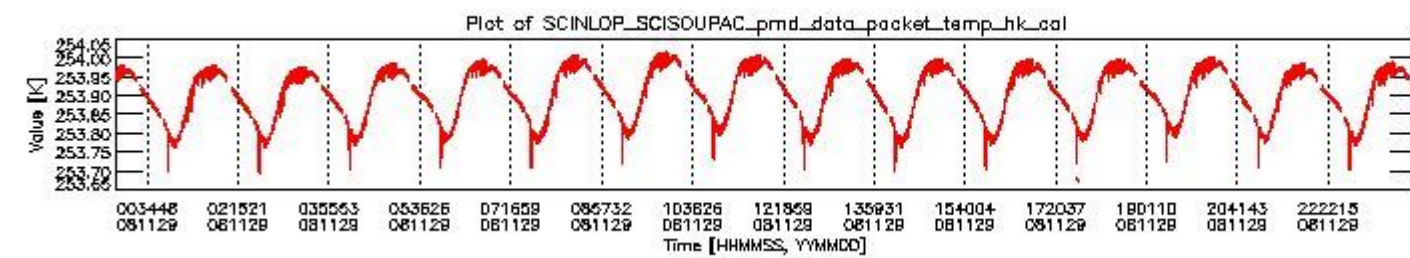
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081129_0.PNG



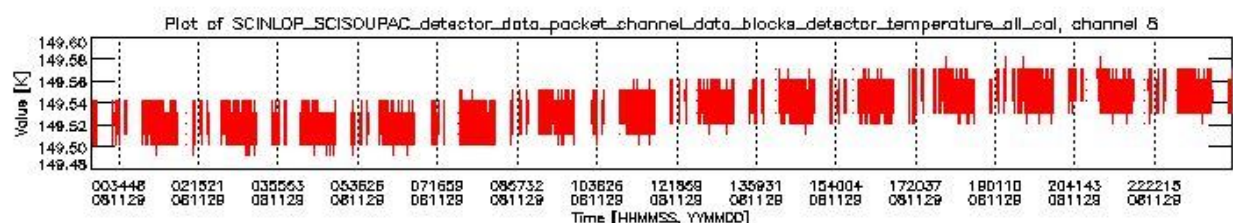
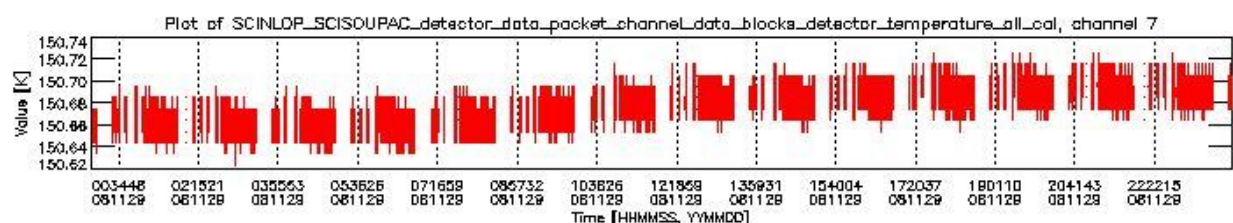
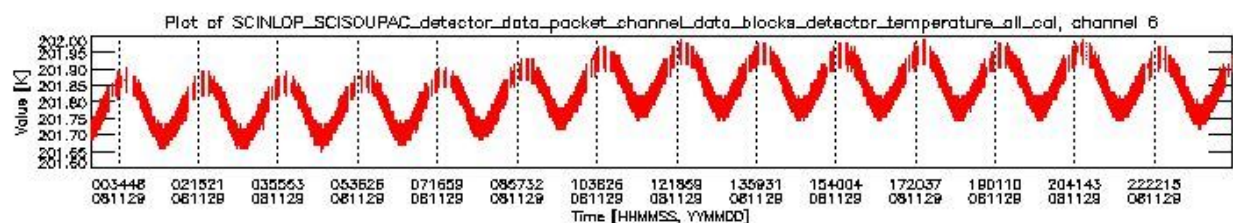
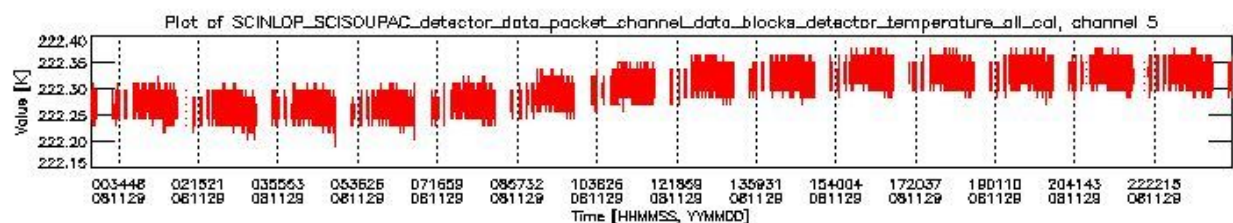
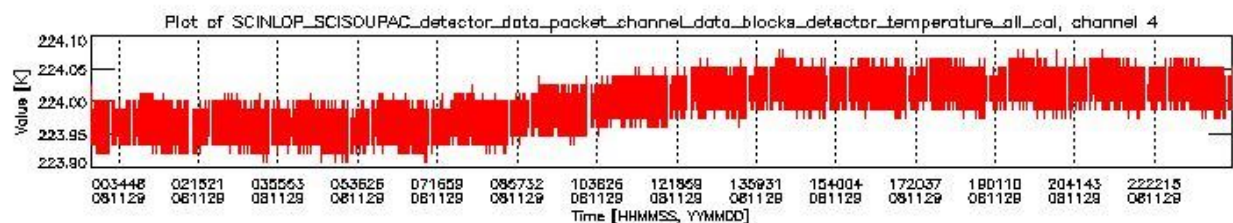
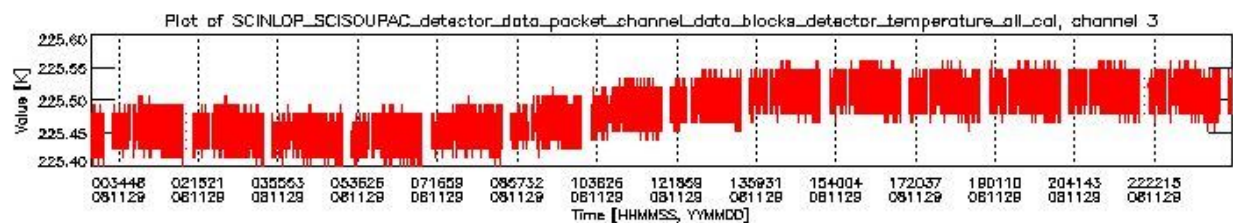
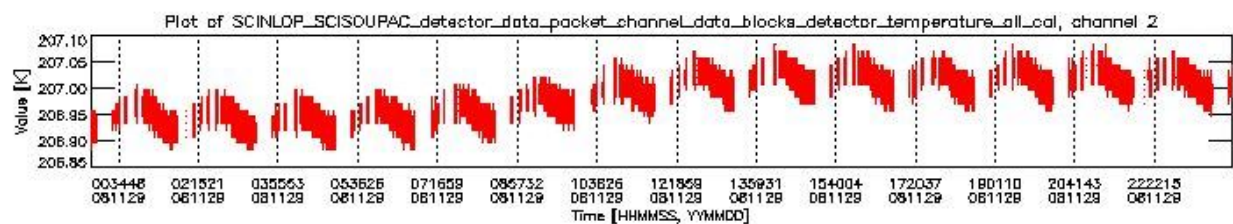
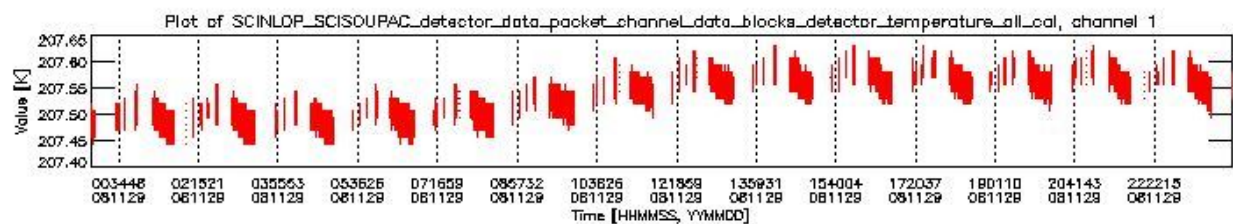
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081129_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081129_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081129_3.PNG

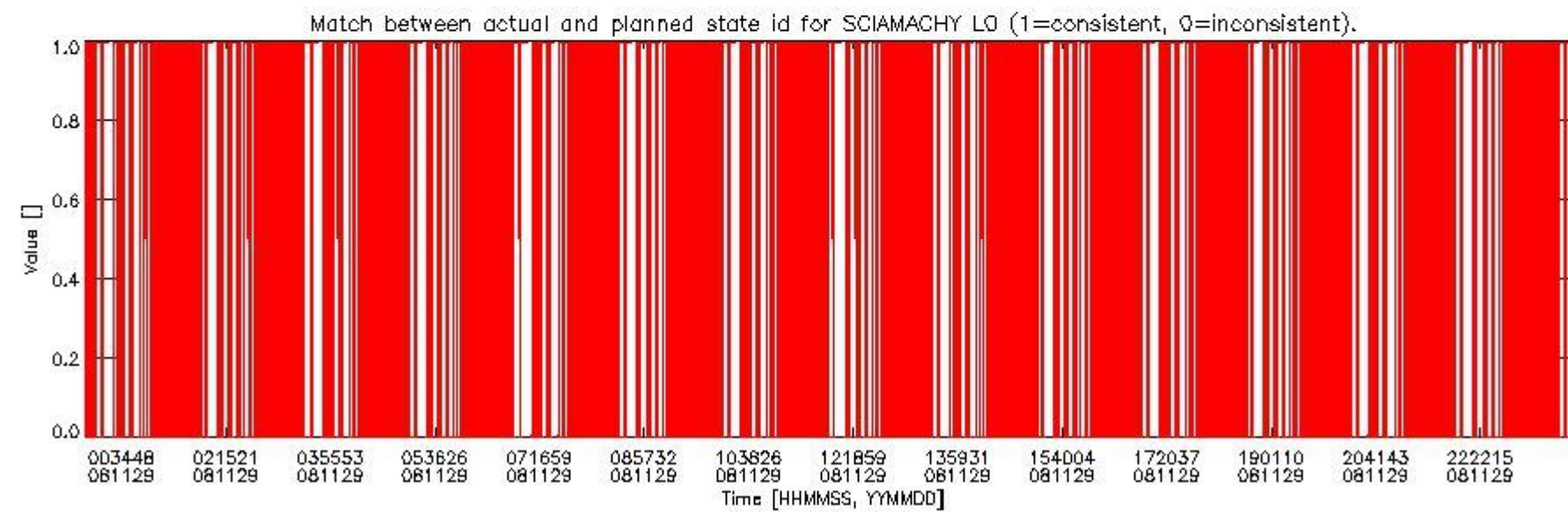
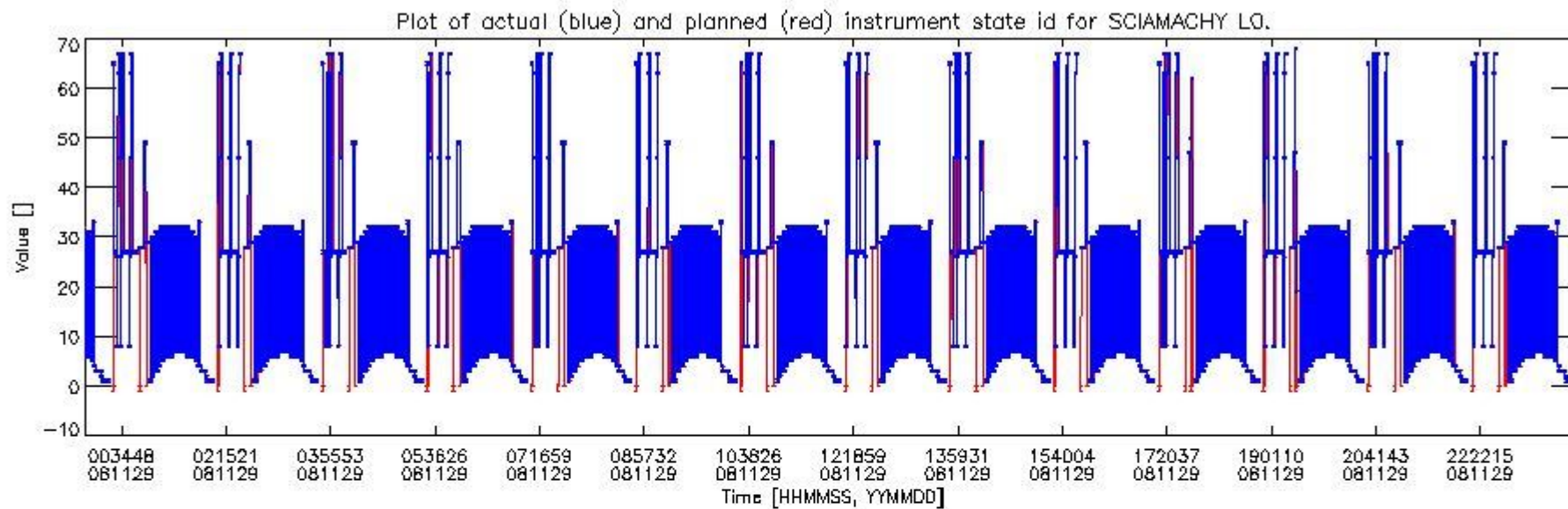


0.3 State monitoring

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: **52018**

#	Actual time	Actual value	Planned time	Planned value
0	29NOV2008 00:00:03.135046	6	29NOV2008 00:00:03.135046	31
1	29NOV2008 00:00:03.510059	6	29NOV2008 00:00:03.510059	31
2	29NOV2008 00:00:03.760028	6	29NOV2008 00:00:03.760028	31
3	29NOV2008 00:00:04.010037	6	29NOV2008 00:00:04.010037	31
4	29NOV2008 00:00:04.260045	6	29NOV2008 00:00:04.260045	31
5	29NOV2008 00:00:04.510054	6	29NOV2008 00:00:04.510054	31
6	29NOV2008 00:00:04.760063	6	29NOV2008 00:00:04.760063	31
7	29NOV2008 00:00:05.010031	6	29NOV2008 00:00:05.010031	31
8	29NOV2008 00:00:05.260040	6	29NOV2008 00:00:05.260040	31
9	29NOV2008 00:00:05.510049	6	29NOV2008 00:00:05.510049	31
10	29NOV2008 00:00:05.760057	6	29NOV2008 00:00:05.760057	31
11	29NOV2008 00:00:06.010026	6	29NOV2008 00:00:06.010026	31
12	29NOV2008 00:00:06.260034	6	29NOV2008 00:00:06.260034	31
13	29NOV2008 00:00:06.510043	6	29NOV2008 00:00:06.510043	31
14	29NOV2008 00:00:06.760052	6	29NOV2008 00:00:06.760052	31
15	29NOV2008 00:00:07.010061	6	29NOV2008 00:00:07.010061	31
16	29NOV2008 00:00:07.260029	6	29NOV2008 00:00:07.260029	31
17	29NOV2008 00:00:07.510038	6	29NOV2008 00:00:07.510038	31
18	29NOV2008 00:00:07.760046	6	29NOV2008 00:00:07.760046	31
19	29NOV2008 00:00:08.010055	6	29NOV2008 00:00:08.010055	31

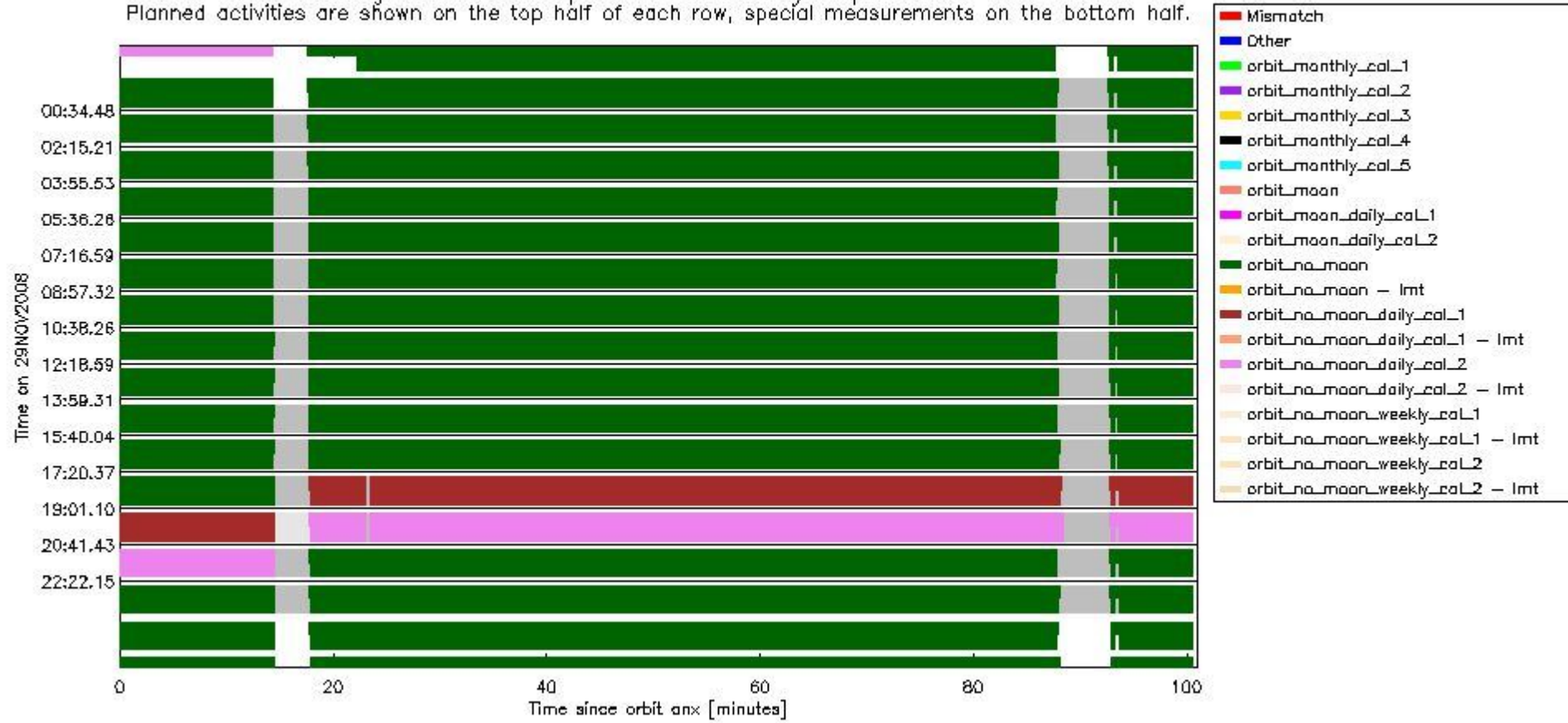


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081129_5.PNG

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 29NOV2008.
 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_20081129_6.PNG

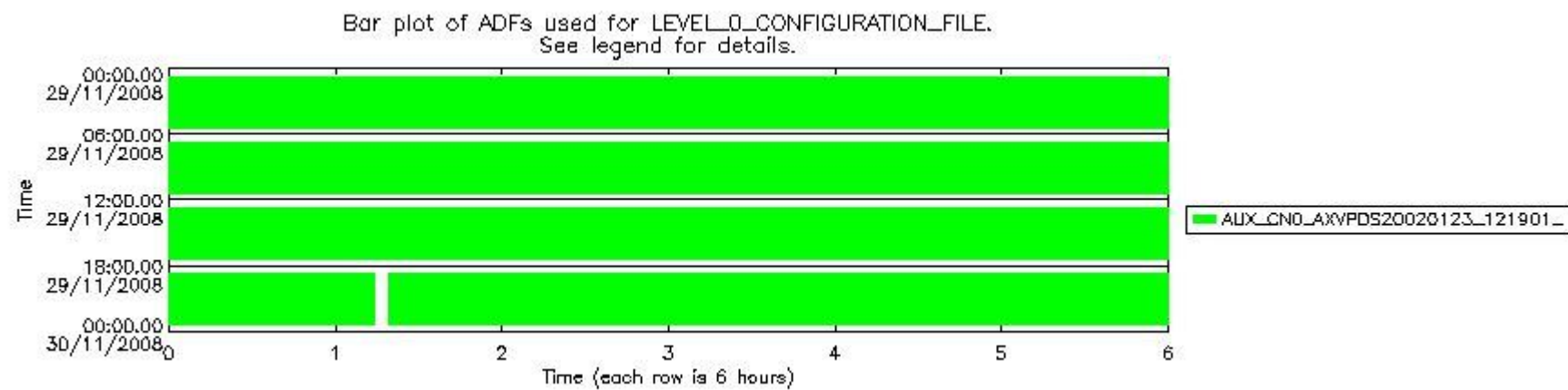
0.4 ADF monitoring

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

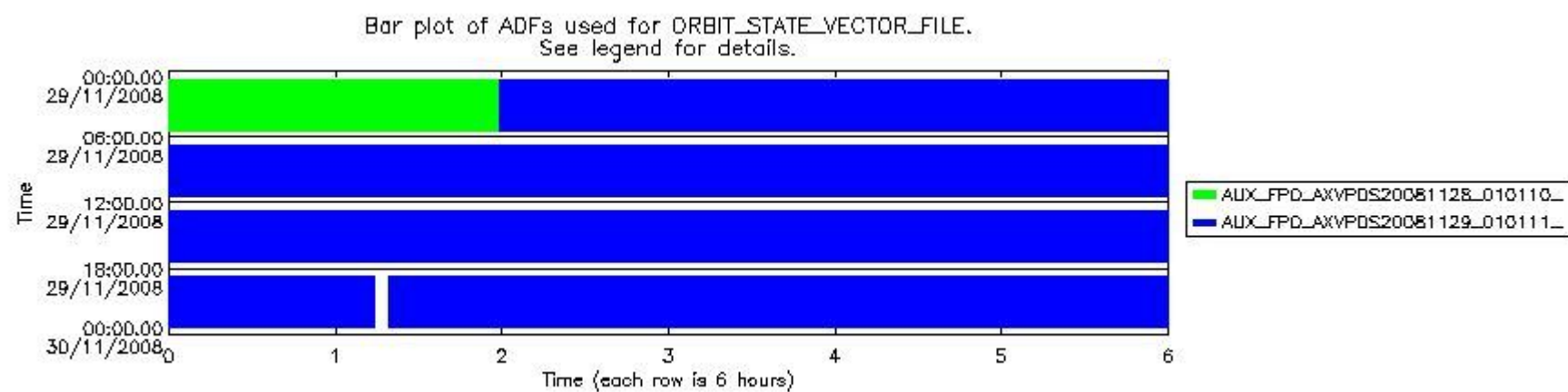
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

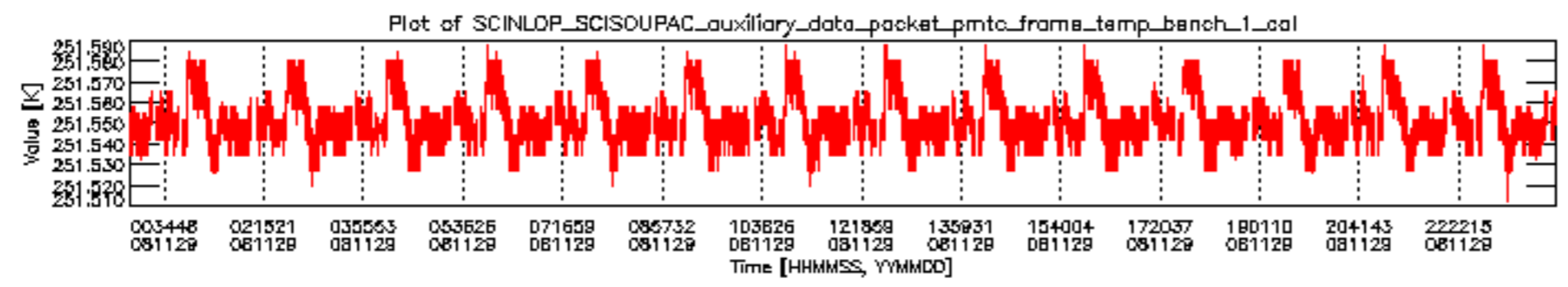
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081128_010110_20081127_182354_20081207_213044
2	AUX_FPO_AXVPDS20081129_010111_20081128_193253_20081208_205907

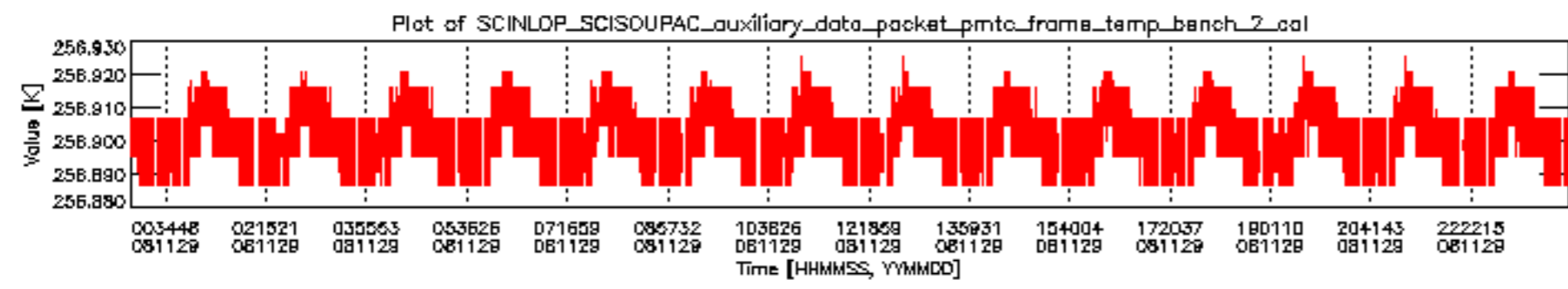


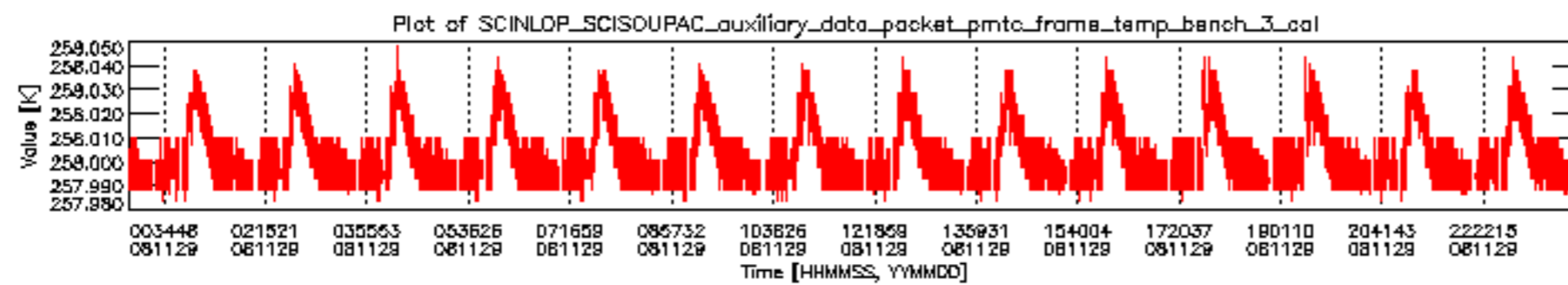
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081129_7.PNG

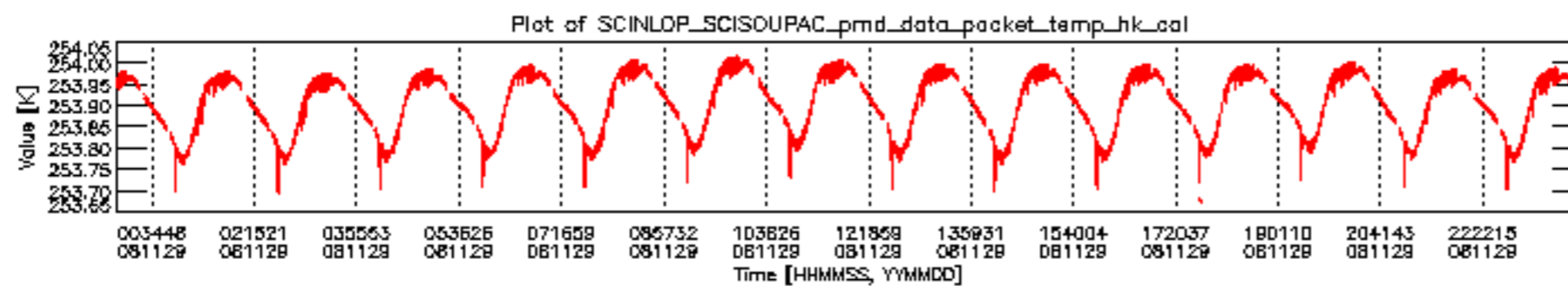


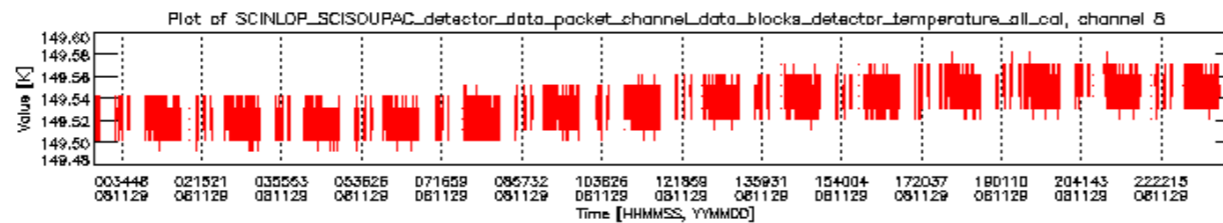
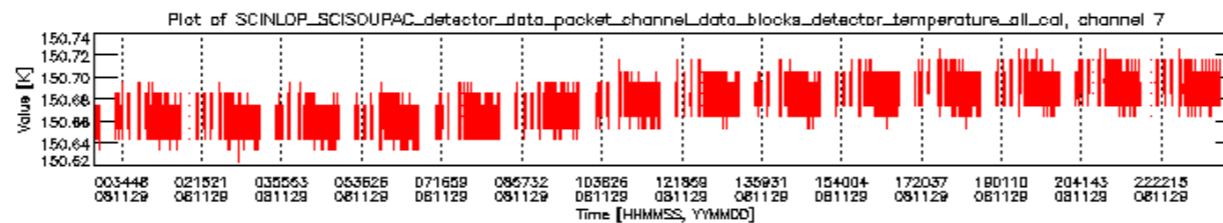
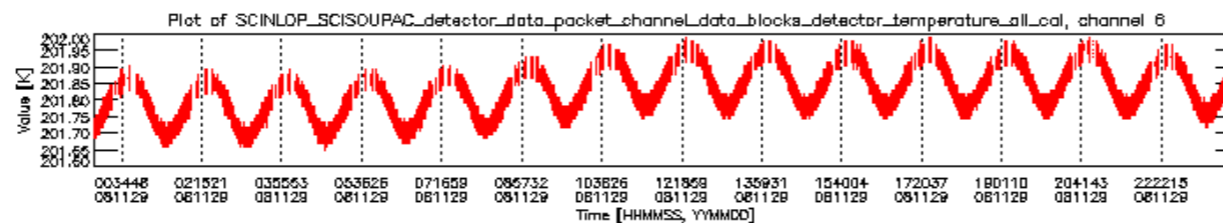
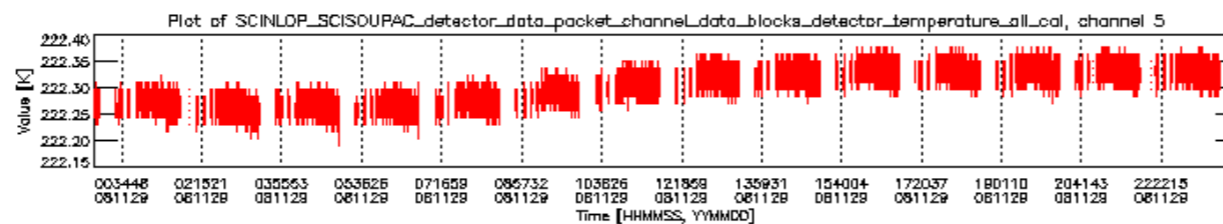
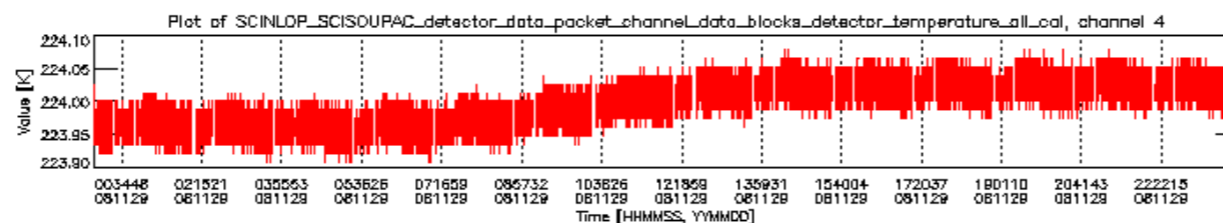
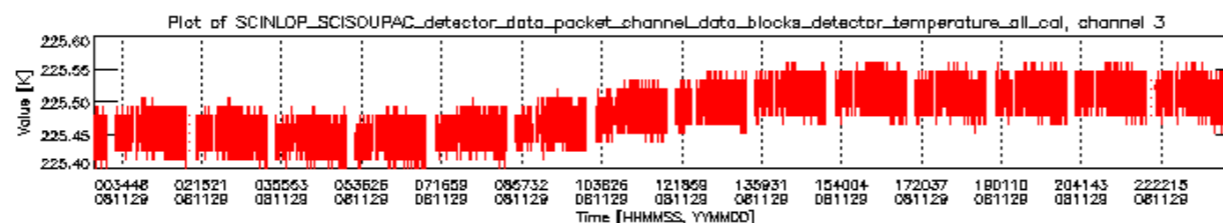
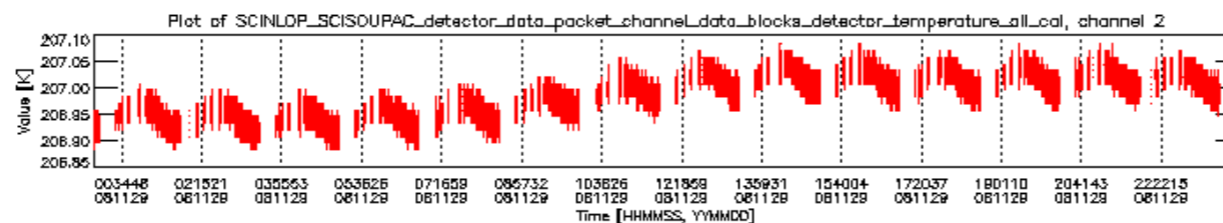
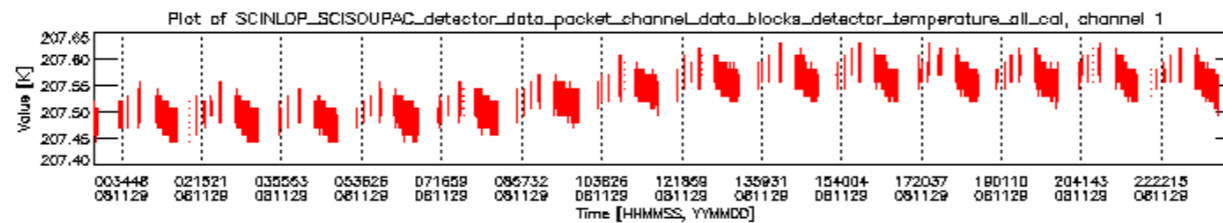
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081129_8.PNG

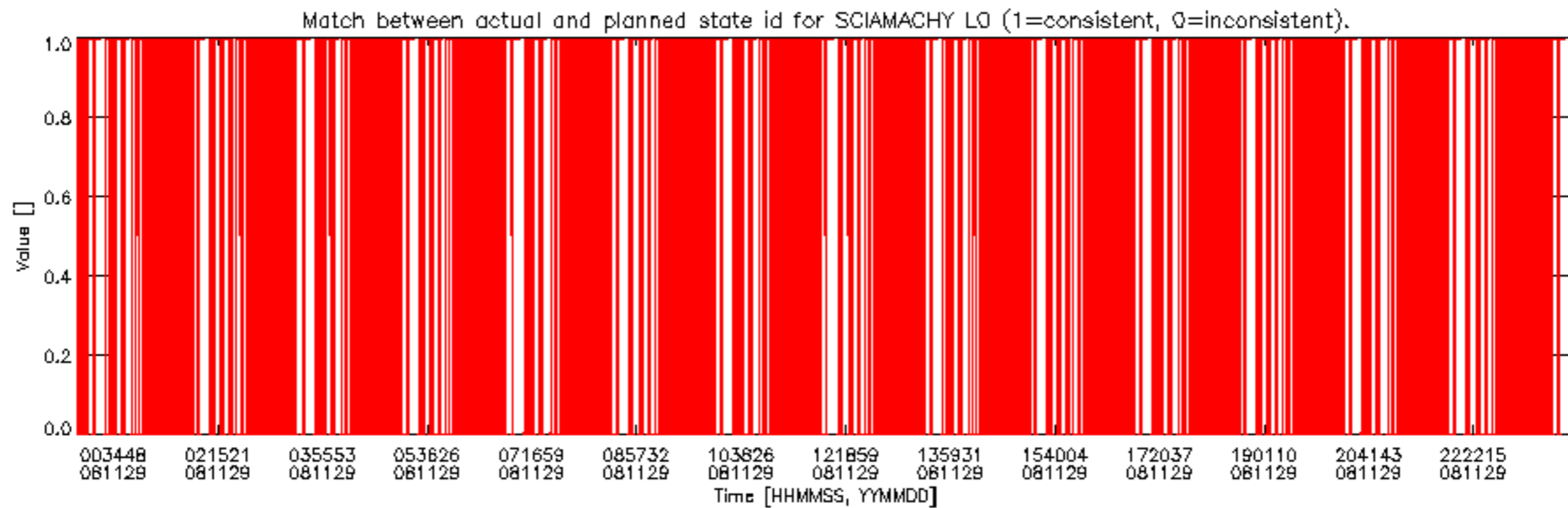
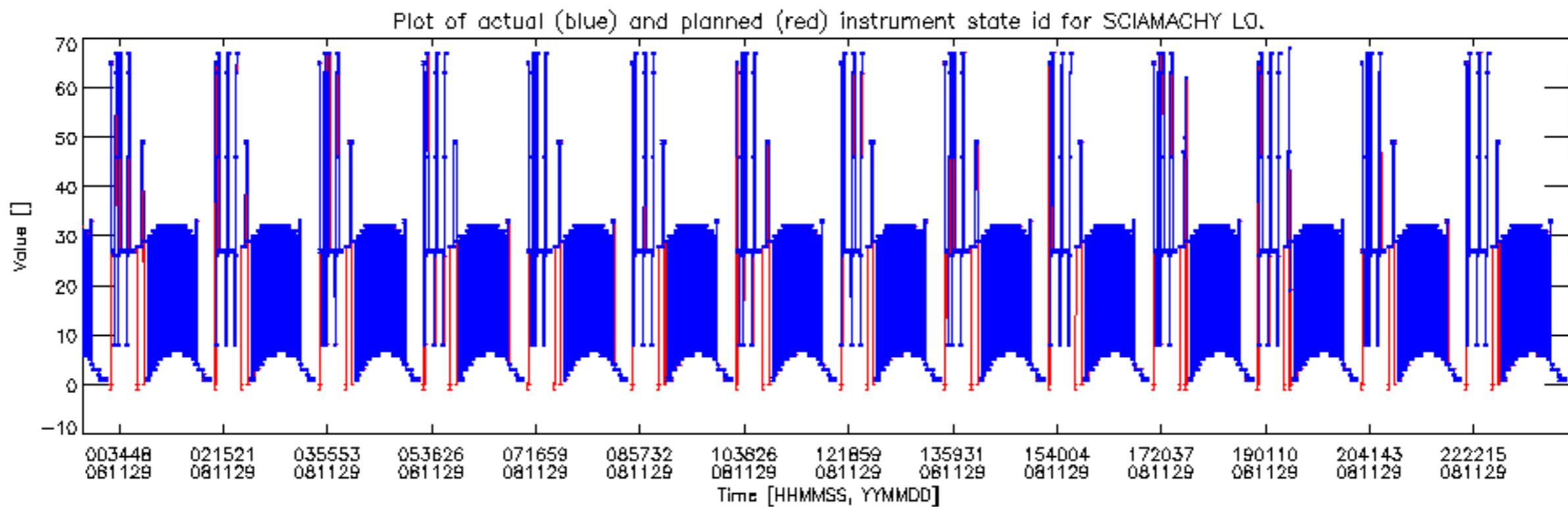




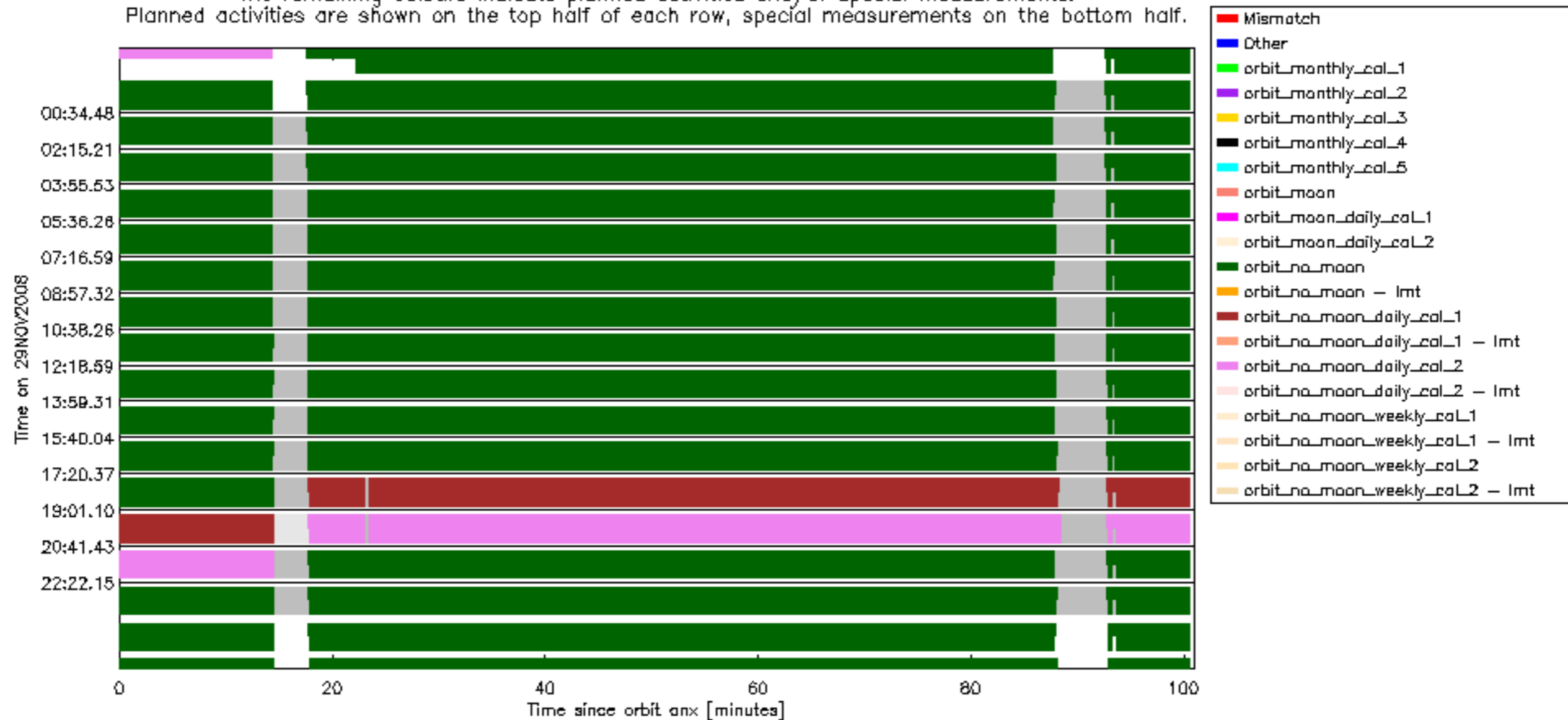


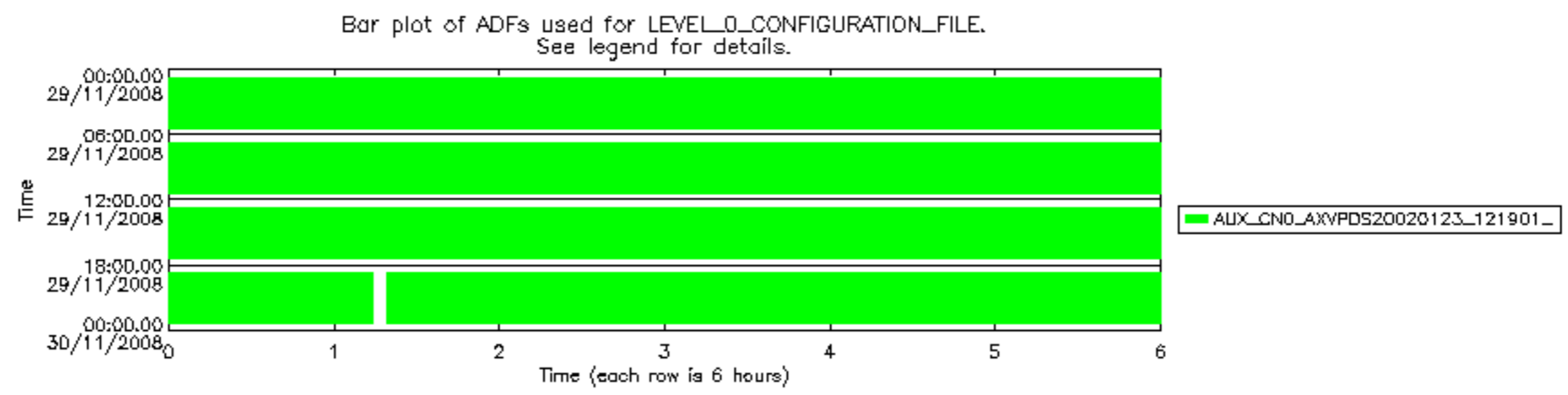






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

