

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	v1.4 20100407
Time of report generation	01DEC2010 03:05:28
Data source version	KSPT_L0/4504-N
Processing scope for products	24NOV2010 00:00:00 to 25NOV2010 00:00:00
Start time of first product within scope	24NOV2010 01:15:38
Stop time of last product within scope	25NOV2010 00:38:57
Total number of Level 0 products	14
Number of Level 0 products with errors	0

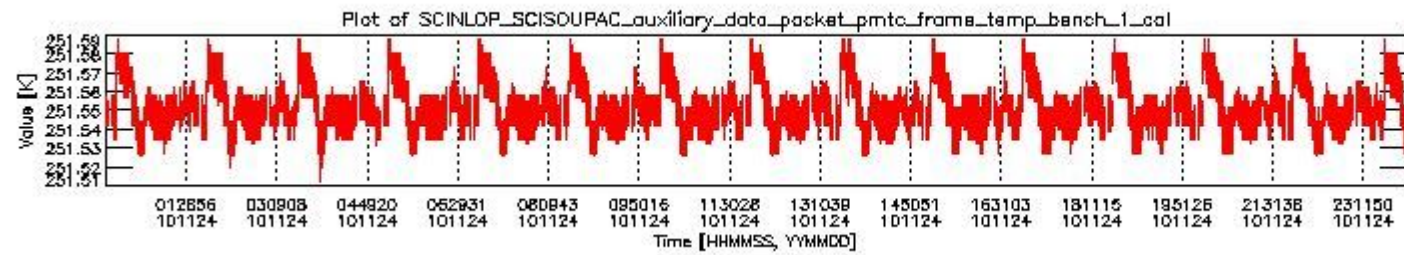
0.1.2 Summary per product

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

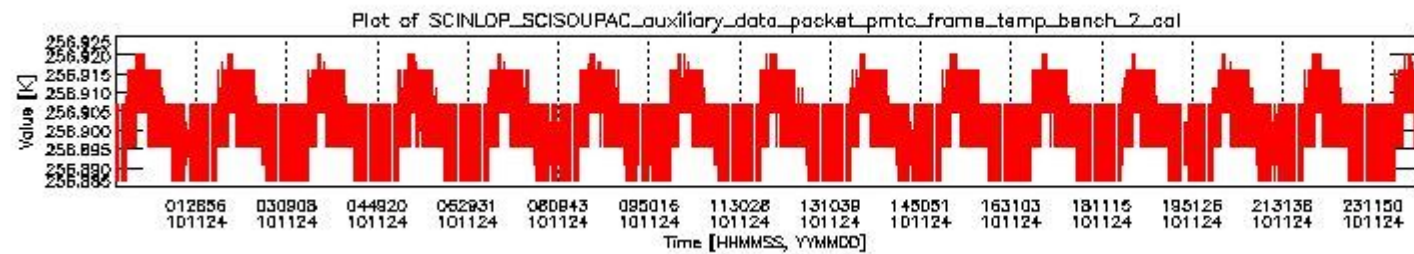
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20101124_011538_000102243096_00390_45663_1961.N1	24NOV2010 01:15:38	24NOV2010 04:06:01	0	0	0	0	0
1	SCI_NL__OPNPDE20101124_040601_000062603096_00392_45665_1962.N1	24NOV2010 04:06:01	24NOV2010 05:50:21	0	0	0	0	0
2	SCI_NL__OPNPDE20101124_054913_000062743096_00393_45666_1963.N1	24NOV2010 05:49:13	24NOV2010 07:33:47	0	0	0	0	0
3	SCI_NL__OPNPDK20101124_073238_000038053096_00394_45667_3044.N1	24NOV2010 07:32:38	24NOV2010 08:36:03	0	0	0	0	0
4	SCI_NL__OPNPDK20101124_083509_000060683096_00395_45668_3045.N1	24NOV2010 08:35:09	24NOV2010 10:16:18	0	0	0	0	0
5	SCI_NL__OPNPDK20101124_101523_000061913096_00396_45669_3046.N1	24NOV2010 10:15:23	24NOV2010 11:58:34	0	0	0	0	0
6	SCI_NL__OPNPDK20101124_115726_000059063096_00397_45670_3047.N1	24NOV2010 11:57:26	24NOV2010 13:35:52	0	0	0	0	0
7	SCI_NL__OPNPDK20101124_133458_000058223096_00398_45671_3048.N1	24NOV2010 13:34:58	24NOV2010 15:12:00	0	0	0	0	0
8	SCI_NL__OPNPDK20101124_151200_000059593096_00399_45672_3049.N1	24NOV2010 15:12:00	24NOV2010 16:51:19	0	0	0	0	0
9	SCI_NL__OPNPDK20101124_165025_000059603096_00400_45673_3050.N1	24NOV2010 16:50:25	24NOV2010 18:29:45	0	0	0	0	0
10	SCI_NL__OPNPDK20101124_182851_000057183096_00401_45674_3051.N1	24NOV2010 18:28:51	24NOV2010 20:04:08	0	0	0	0	0
11	SCI_NL__OPNPDE20101124_200408_000044763096_00402_45675_1965.N1	24NOV2010 20:04:08	24NOV2010 21:18:44	0	0	0	0	0
12	SCI_NL__OPNPDE20101124_211736_000060533096_00402_45675_1966.N1	24NOV2010 21:17:36	24NOV2010 22:58:29	0	0	0	0	0
13	SCI_NL__OPNPDE20101124_230352_000057053096_00403_45676_1967.N1	24NOV2010 23:03:52	25NOV2010 00:38:57	0	0	0	0	0

0.2 Product Quality Indicators

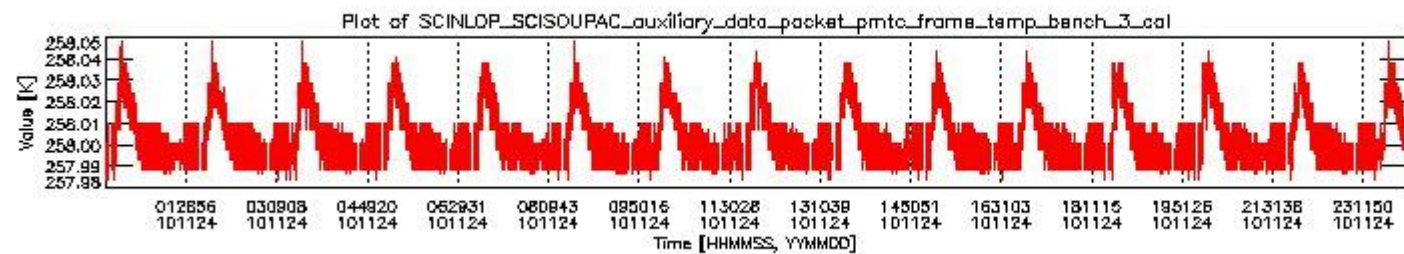
This section shows information about product quality, currently temperatures.



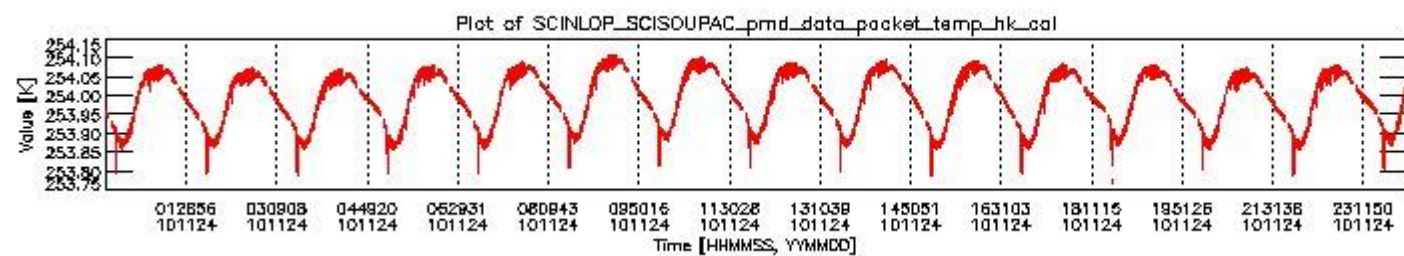
sciamachy_daily_report_level0_KSPT_L0_4504_N_20101124_0.PNG



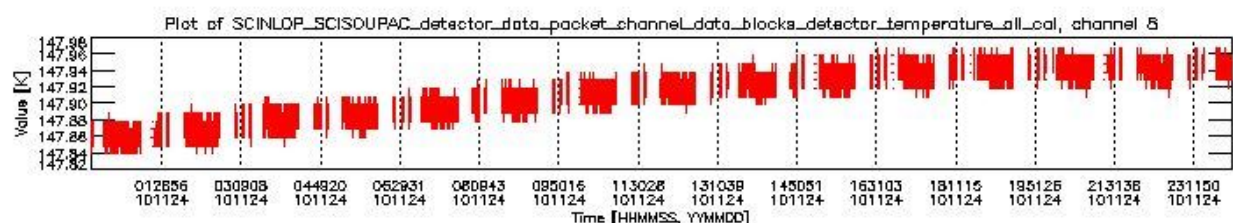
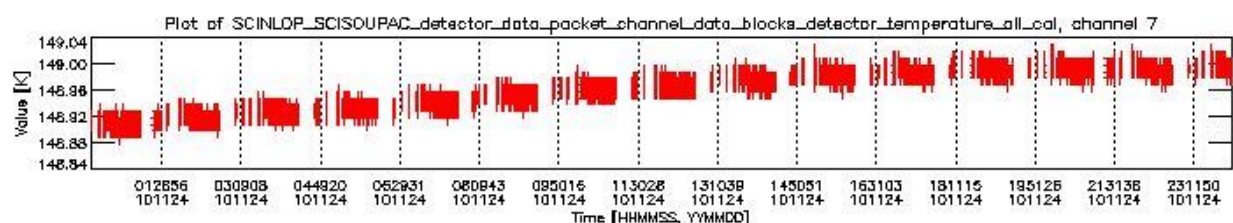
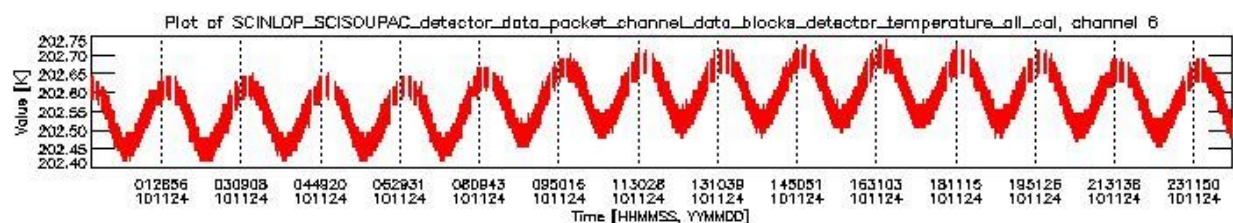
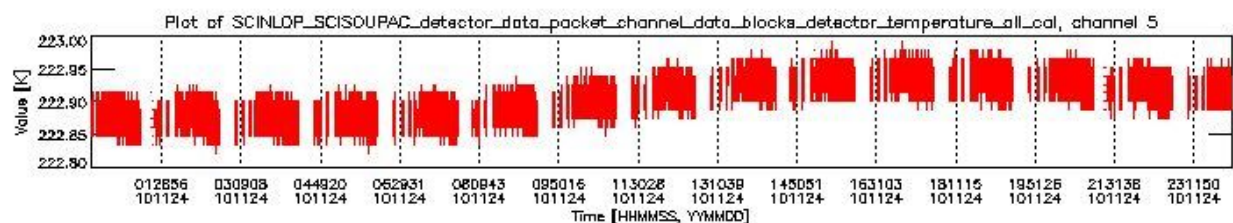
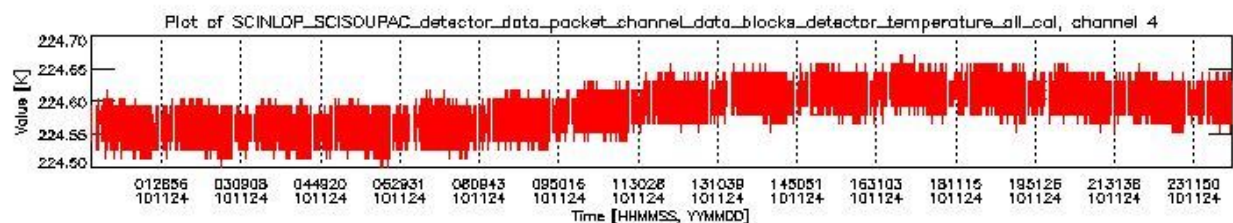
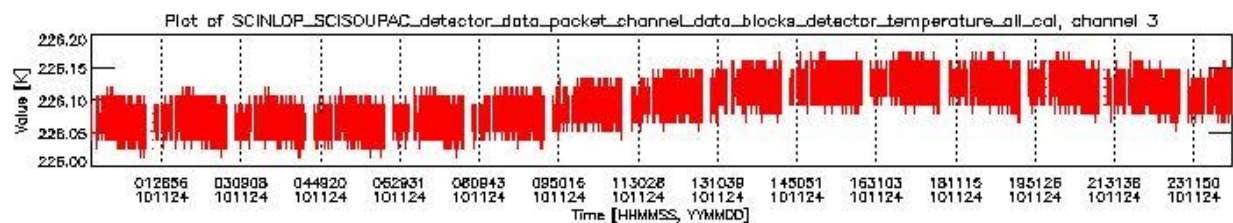
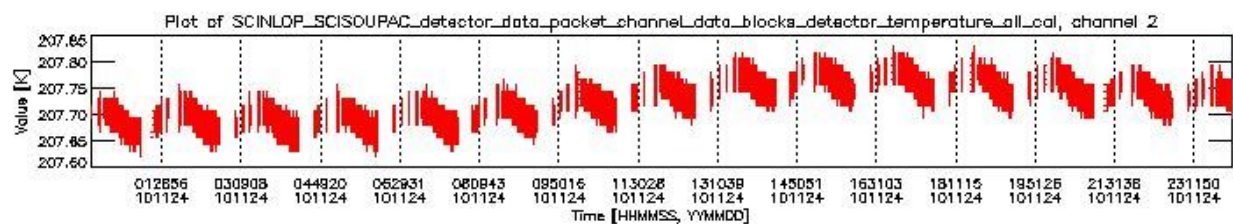
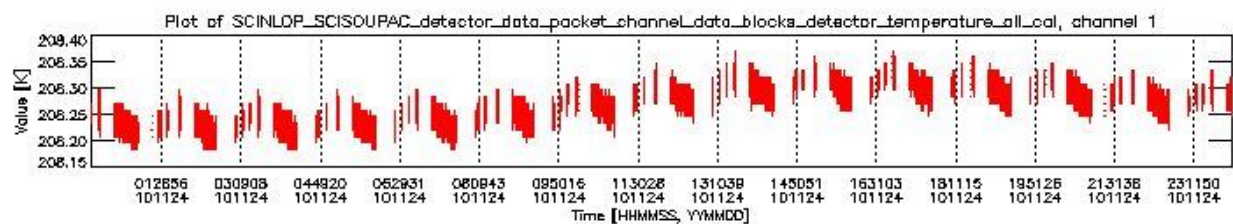
sciamachy_daily_report_level0_KSPT_L0_4504_N_20101124_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20101124_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20101124_3.PNG

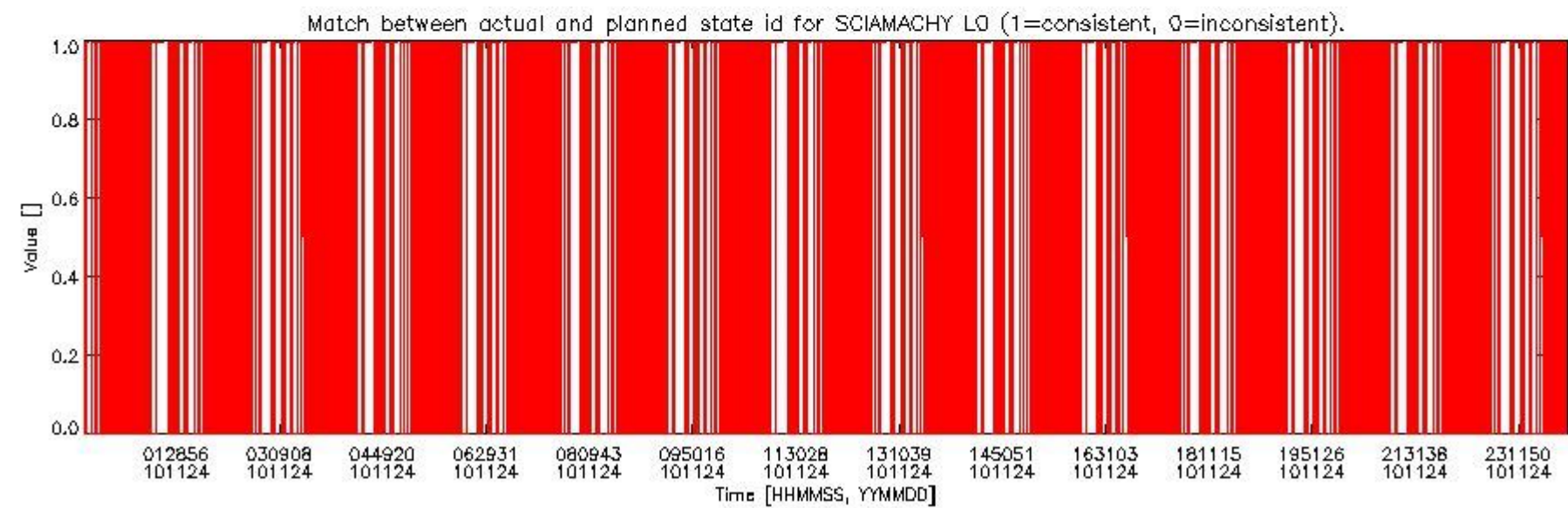
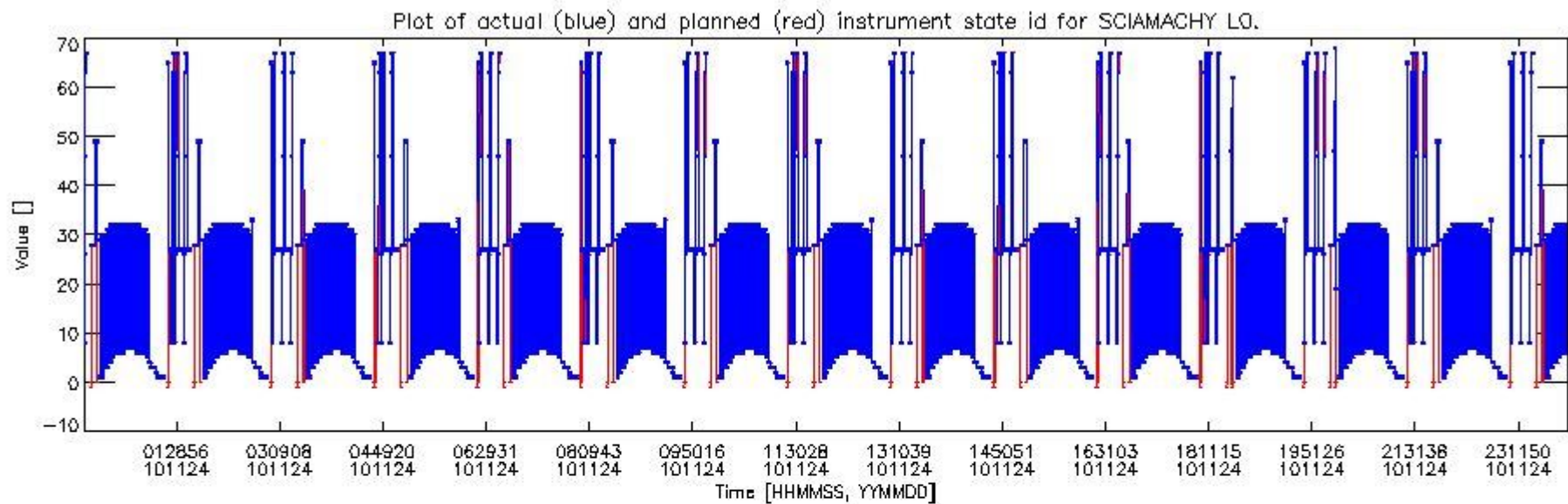


0.3 State monitoring

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: **29703**

#	Actual time	Actual value	Planned time	Planned value
0	24NOV2010 00:00:00.390838	26	24NOV2010 00:00:00.390838	8
1	24NOV2010 00:00:00.890838	26	24NOV2010 00:00:00.890838	8
2	24NOV2010 00:00:01.265838	26	24NOV2010 00:00:01.265838	8
3	24NOV2010 00:00:01.390838	26	24NOV2010 00:00:01.390838	8
4	24NOV2010 00:00:01.890838	26	24NOV2010 00:00:01.890838	8
5	24NOV2010 00:00:02.390838	26	24NOV2010 00:00:02.390838	8
6	24NOV2010 00:00:02.890838	26	24NOV2010 00:00:02.890838	8
7	24NOV2010 00:00:29.820530	46	24NOV2010 00:00:29.820530	26
8	24NOV2010 00:00:30.445530	46	24NOV2010 00:00:30.445530	26
9	24NOV2010 00:00:30.945530	46	24NOV2010 00:00:30.945530	26
10	24NOV2010 00:00:31.445530	46	24NOV2010 00:00:31.445530	26
11	24NOV2010 00:00:31.945530	46	24NOV2010 00:00:31.945530	26
12	24NOV2010 00:00:32.445530	46	24NOV2010 00:00:32.445530	26
13	24NOV2010 00:00:32.945530	46	24NOV2010 00:00:32.945530	26
14	24NOV2010 00:00:33.445530	46	24NOV2010 00:00:33.445530	26
15	24NOV2010 00:00:33.945530	46	24NOV2010 00:00:33.945530	26
16	24NOV2010 00:00:34.445530	46	24NOV2010 00:00:34.445530	26
17	24NOV2010 00:00:34.820530	46	24NOV2010 00:00:34.820530	26
18	24NOV2010 00:00:34.945530	46	24NOV2010 00:00:34.945530	26
19	24NOV2010 00:00:35.445530	46	24NOV2010 00:00:35.445530	26

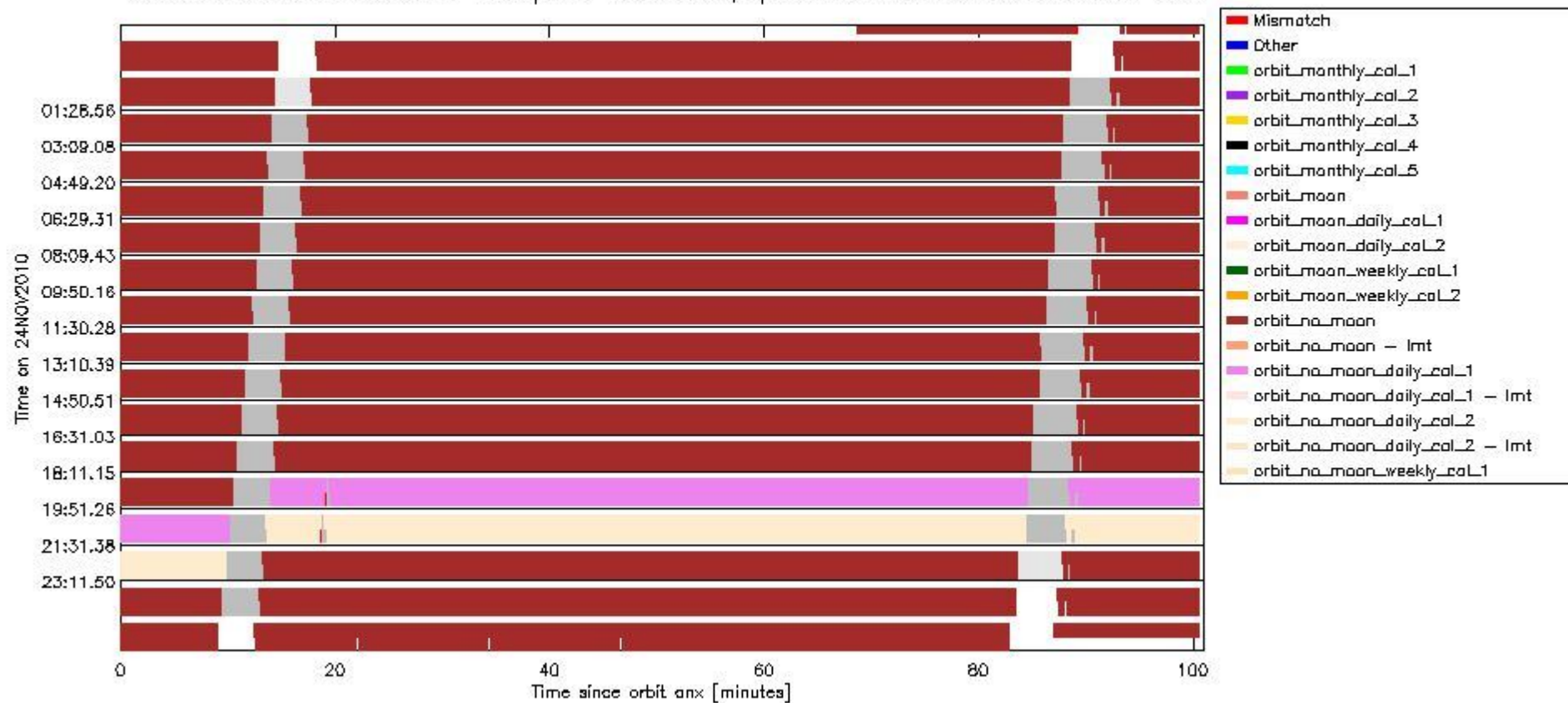


sciamachy_daily_report_level0_KSPT_L0_4504_N_20101124_5.PNG

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 24NOV2010.
 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_4504_N_20101124_6.PNG

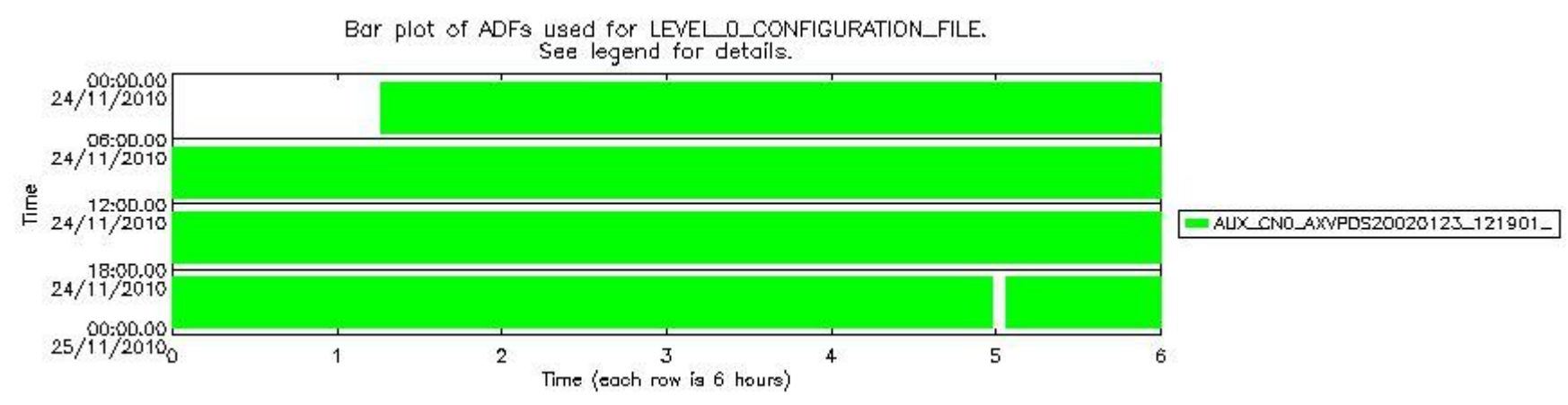
0.4 ADF monitoring

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

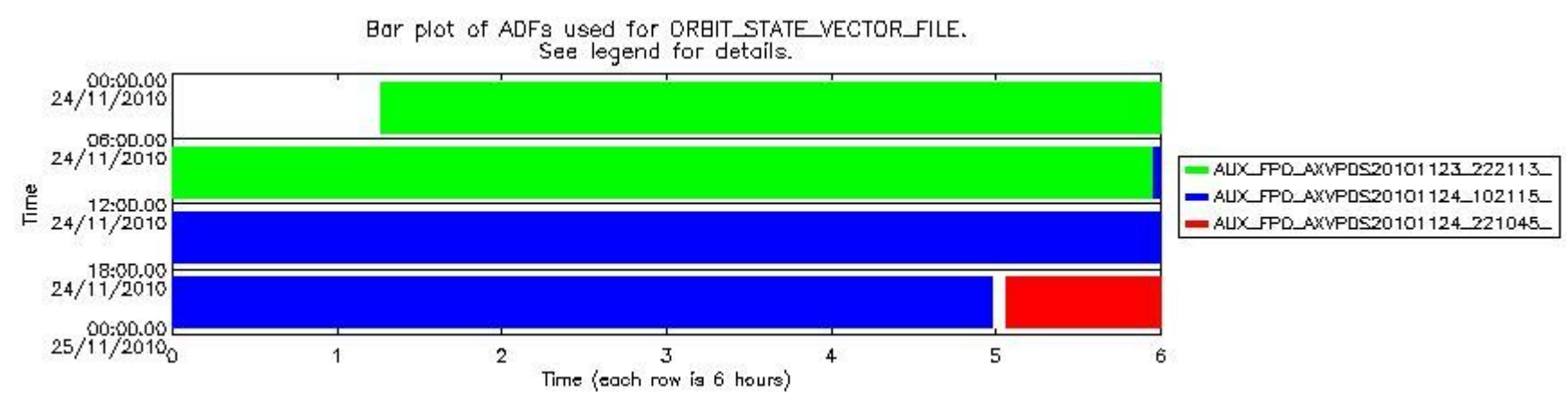
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

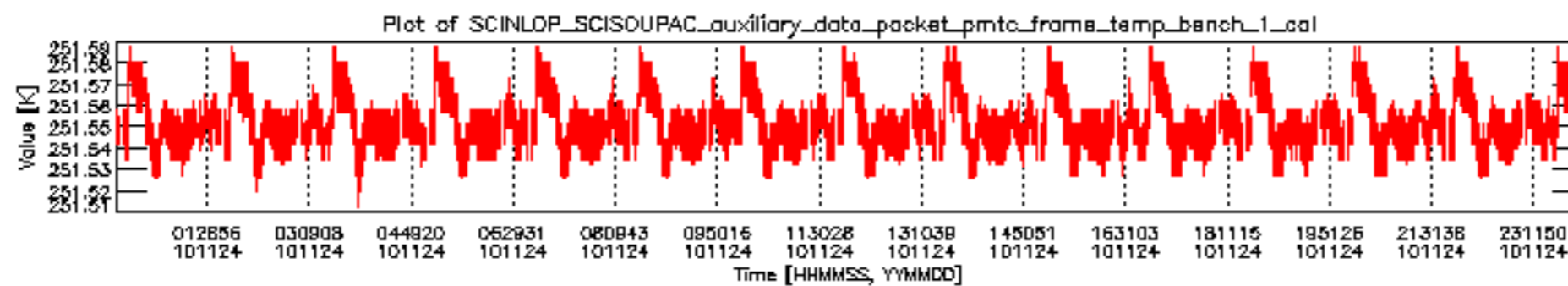
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20101123_222113_20101122_192441_20101202_213836
2	AUX_FPO_AXVPDS20101124_102115_20101124_080949_20101204_102344
3	AUX_FPO_AXVPDS20101124_221045_20101124_195128_20101204_202509

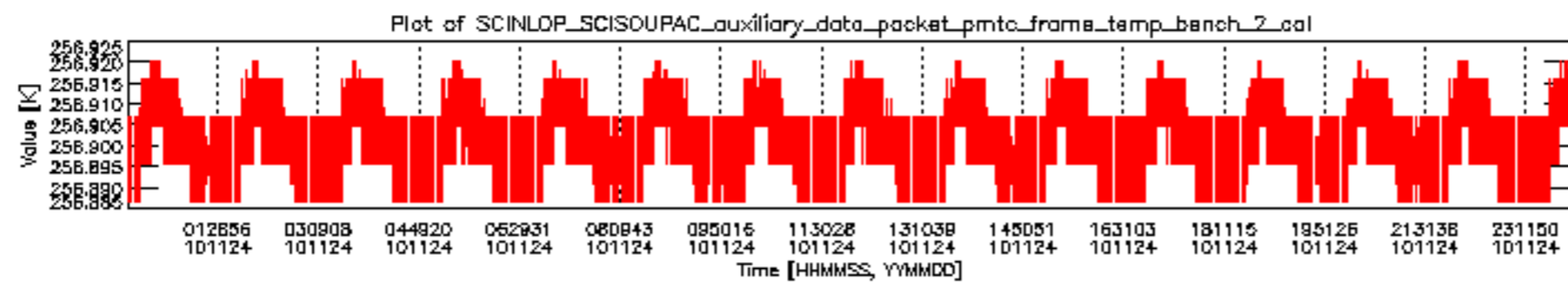


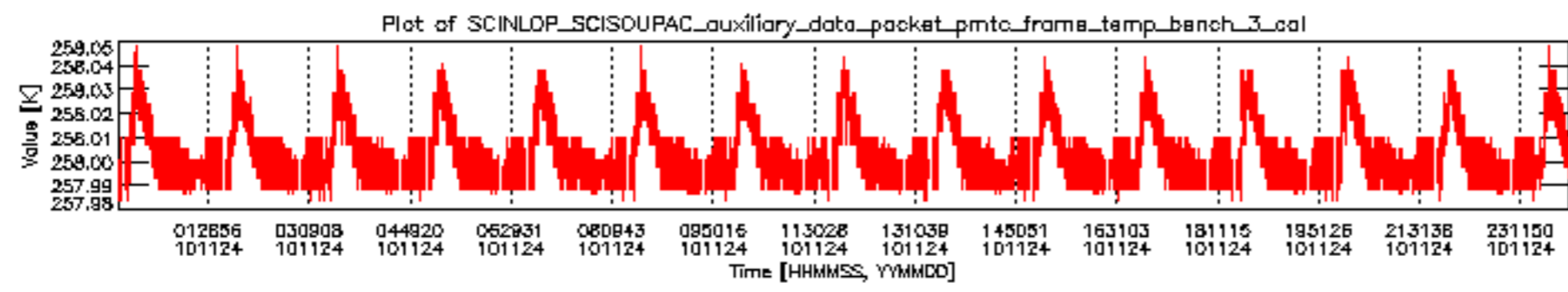
sciamachy_daily_report_level0_KSPT_L0_4504_N_20101124_7.PNG

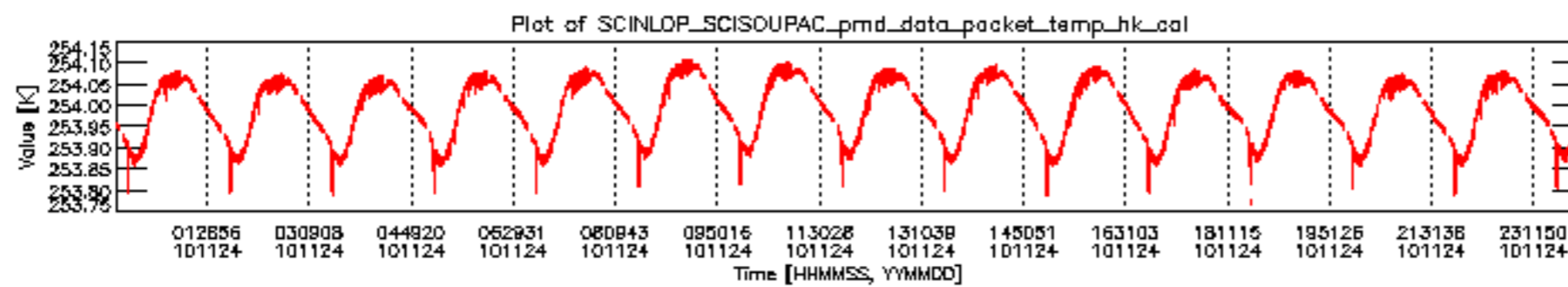


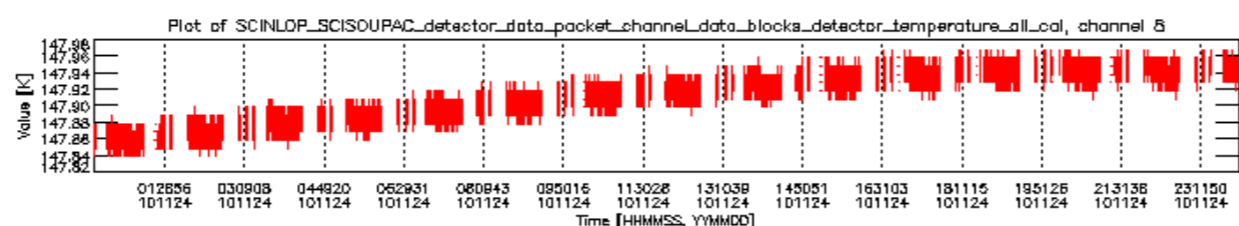
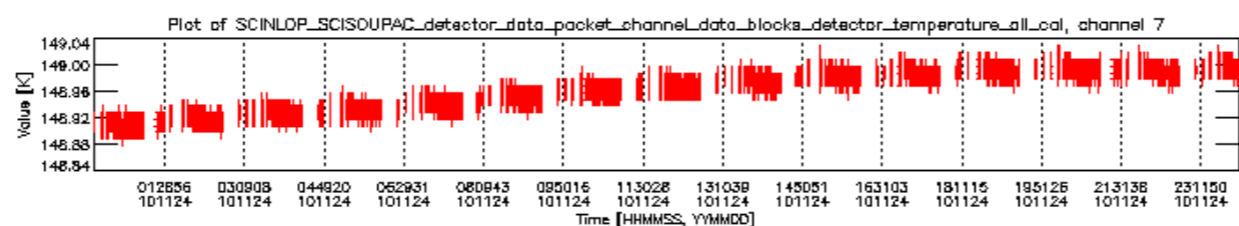
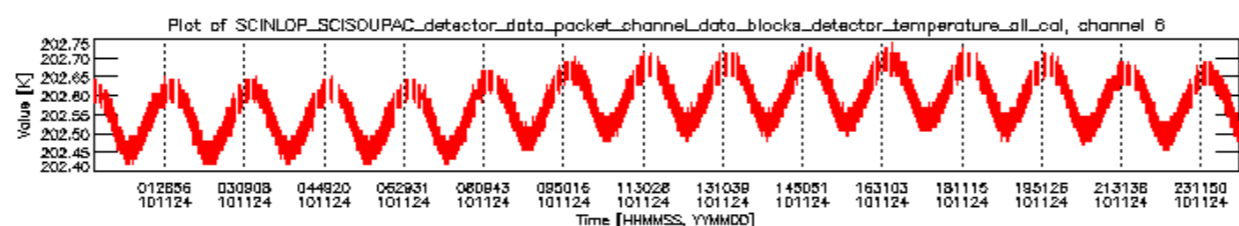
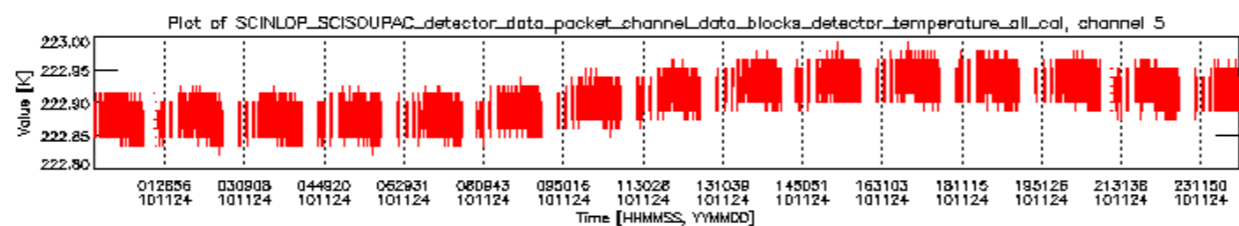
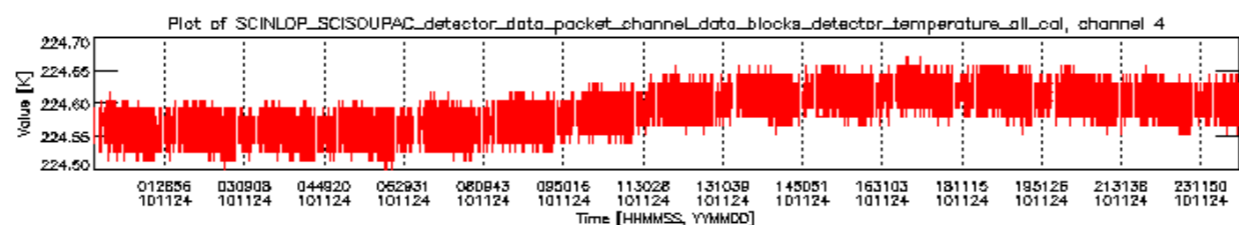
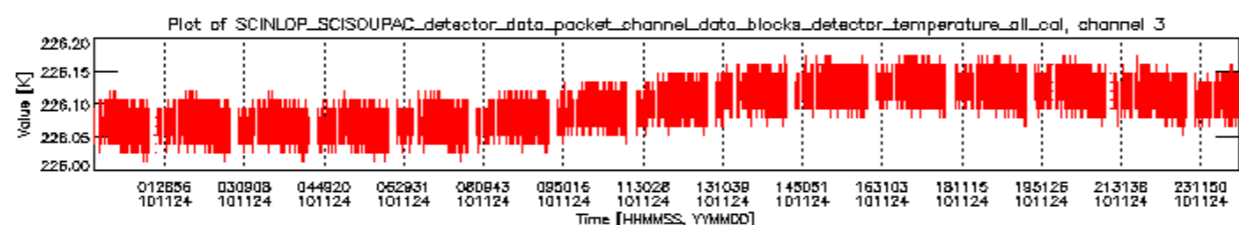
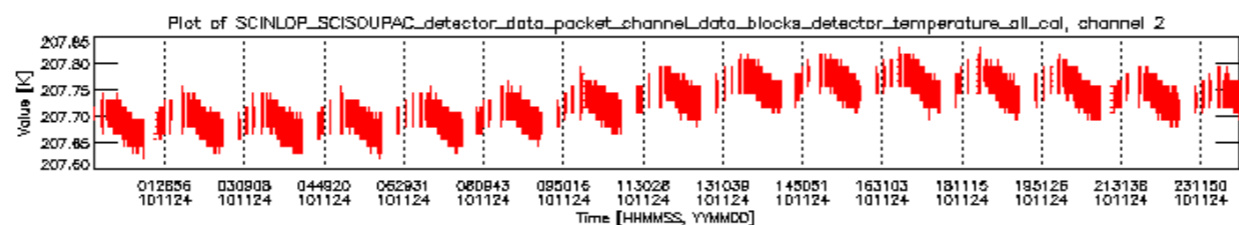
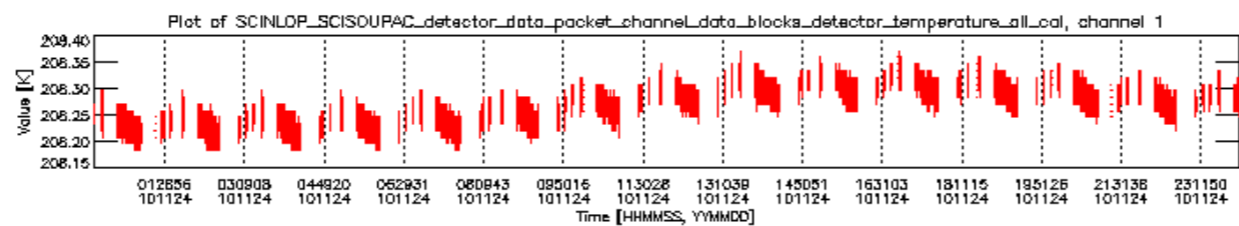
sciamachy_daily_report_level0_KSPT_L0_4504_N_20101124_8.PNG

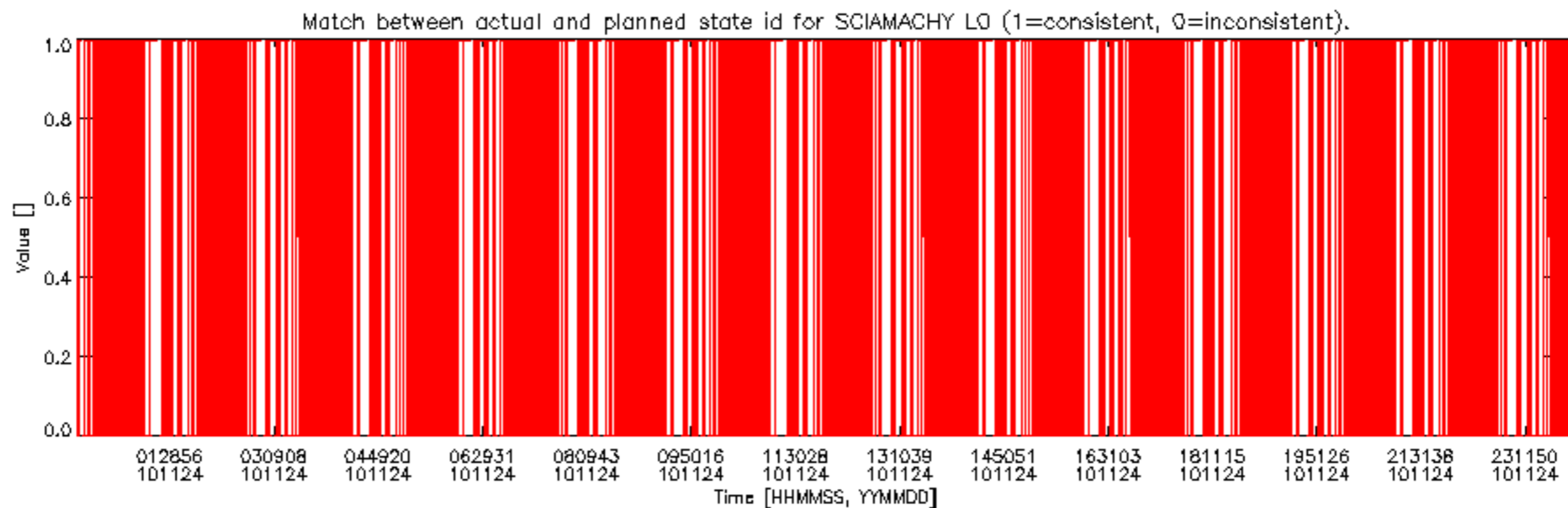
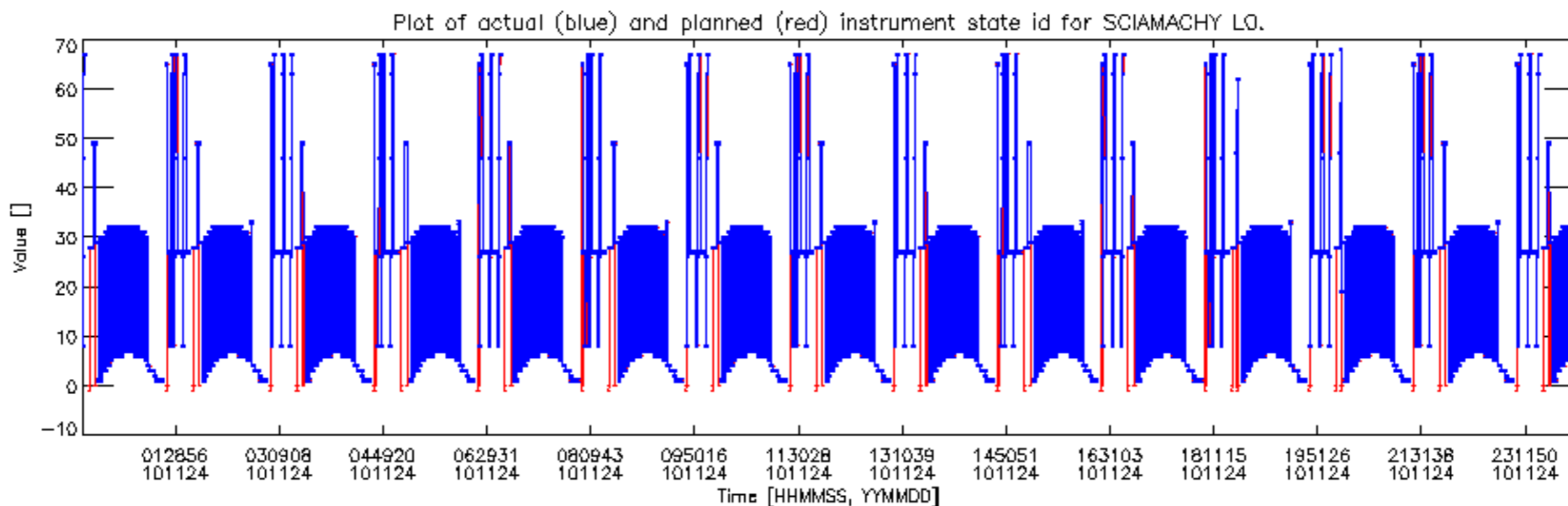




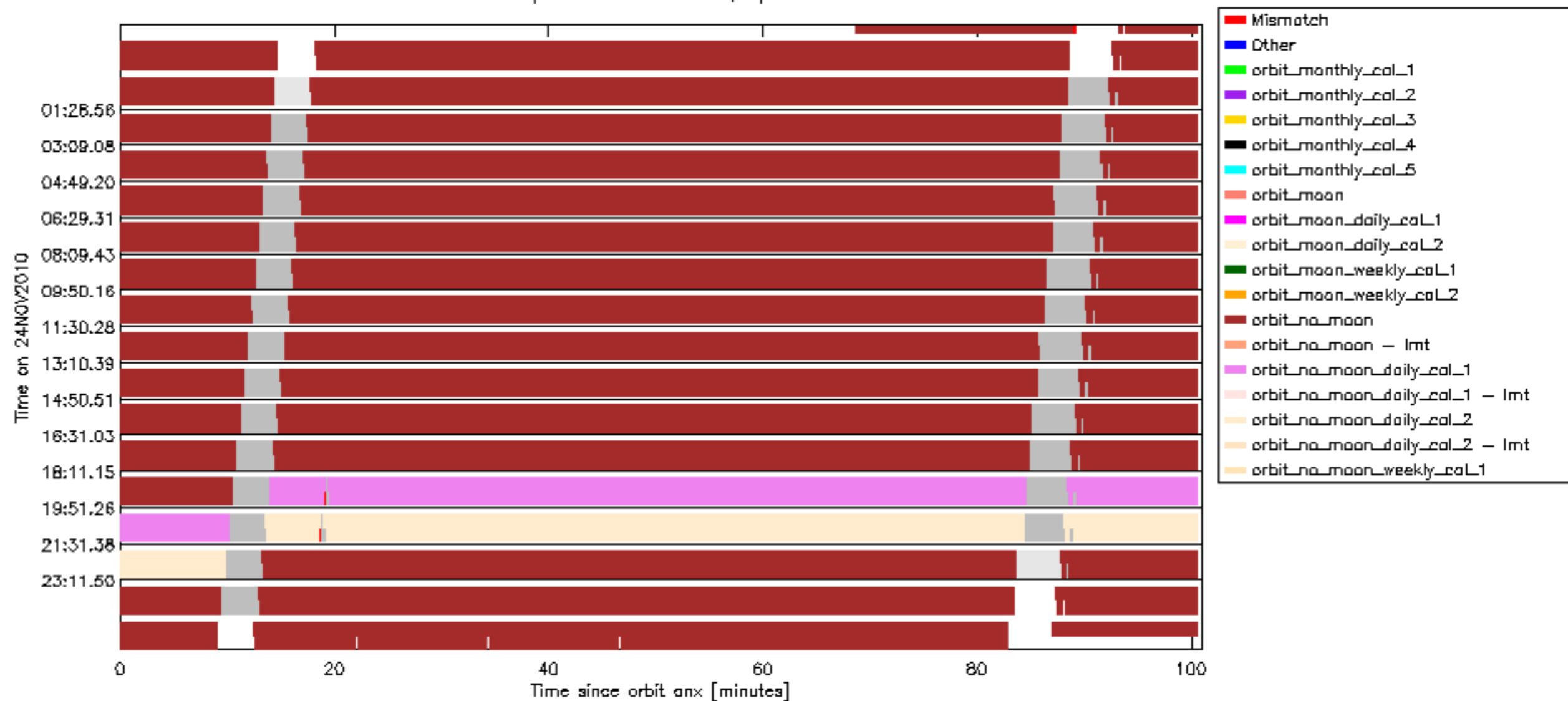


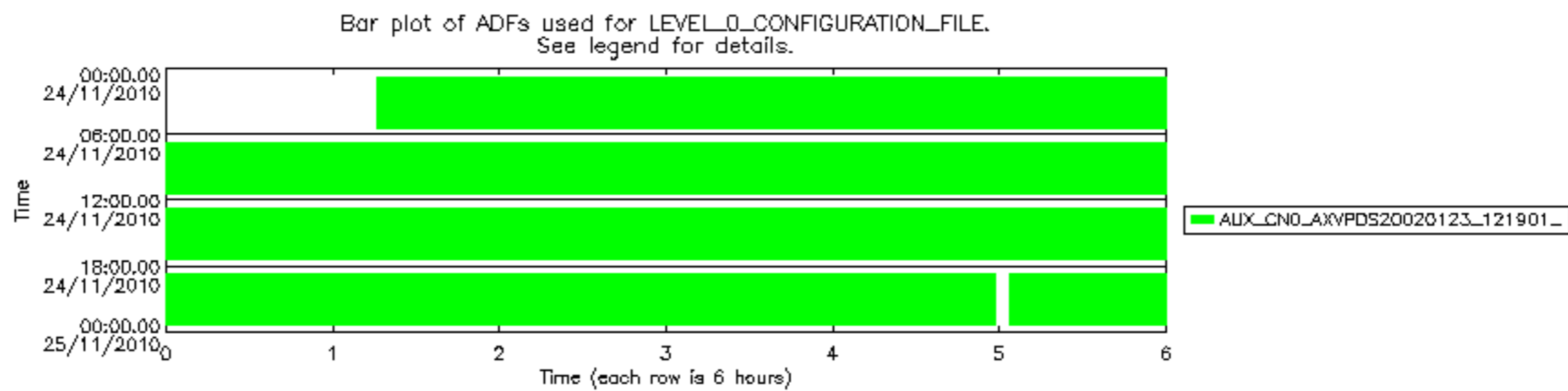






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 24NOV2010.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.





Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

