

0. SCIAMACHY Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Product Quality Indicators](#)

[0.3 State monitoring](#)

[0.4 ADF monitoring](#)

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	04NOV2007 06:13:58
Data source version	KSPT_L0/4302-N
Processing scope for products	31OCT2007 00:00:00 to 01NOV2007 00:00:00
Start time of first product within scope	30OCT2007 22:58:14
Stop time of last product within scope	01NOV2007 00:01:19
Total number of level 0 products	16
Number of level 0 products with errors	0

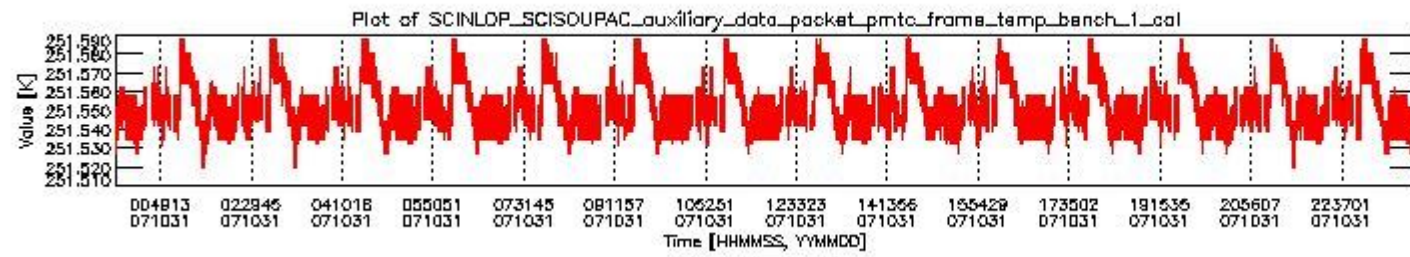
0.1.2 Summary per product

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

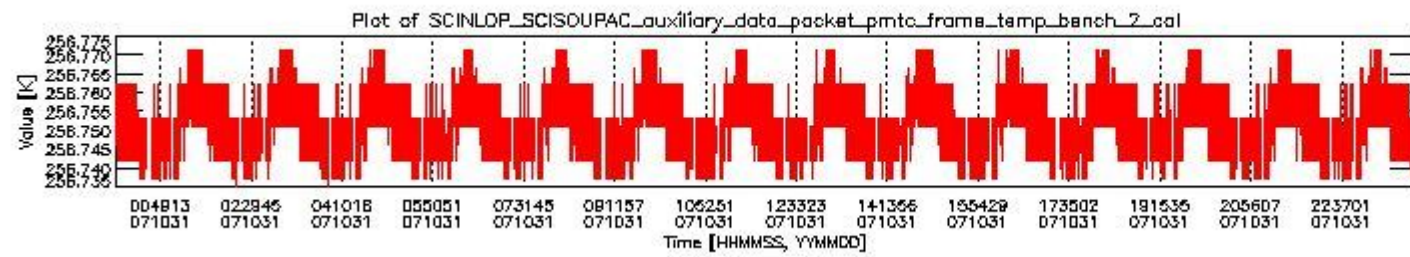
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20071030_225814_000056772063_00015_29628_5479.N1	30OCT2007 22:58:14	31OCT2007 00:32:51	0	0	0	0	0
1	SCI_NL__OPNPDE20071031_003850_000056902063_00016_29629_5480.N1	31OCT2007 00:38:50	31OCT2007 02:13:40	0	0	0	0	0
2	SCI_NL__OPNPDE20071031_021340_000045362063_00017_29630_5481.N1	31OCT2007 02:13:40	31OCT2007 03:29:15	0	0	0	0	0
3	SCI_NL__OPNPDE20071031_032807_000061052063_00018_29631_5482.N1	31OCT2007 03:28:07	31OCT2007 05:09:52	0	0	0	0	0
4	SCI_NL__OPNPDE20071031_050952_000060362063_00019_29632_5483.N1	31OCT2007 05:09:52	31OCT2007 06:50:28	0	0	0	0	0
5	SCI_NL__OPNPDK20071031_065028_000040452063_00020_29633_6500.N1	31OCT2007 06:50:28	31OCT2007 07:57:53	0	0	0	0	0
6	SCI_NL__OPNPDK20071031_075658_000060922063_00021_29634_6501.N1	31OCT2007 07:56:58	31OCT2007 09:38:30	0	0	0	0	0
7	SCI_NL__OPNPDK20071031_093721_000061052063_00022_29635_6502.N1	31OCT2007 09:37:21	31OCT2007 11:19:06	0	0	0	0	0
8	SCI_NL__OPNPDK20071031_111702_000060922063_00023_29636_6504.N1	31OCT2007 11:17:02	31OCT2007 12:58:34	0	0	0	0	0
9	SCI_NL__OPNPDK20071031_125738_000060362063_00024_29637_6505.N1	31OCT2007 12:57:38	31OCT2007 14:38:14	0	0	0	0	0
10	SCI_NL__OPNPDK20071031_143623_000058432063_00025_29638_6506.N1	31OCT2007 14:36:23	31OCT2007 16:13:45	0	0	0	0	0
11	SCI_NL__OPNPDK20071031_161345_000058122063_00026_29639_6507.N1	31OCT2007 16:13:45	31OCT2007 17:50:37	0	0	0	0	0
12	SCI_NL__OPNPDK20071031_175037_000060362063_00027_29640_6508.N1	31OCT2007 17:50:37	31OCT2007 19:31:13	0	0	0	0	0
13	SCI_NL__OPNPDK20071031_193113_000061482063_00028_29641_6509.N1	31OCT2007 19:31:13	31OCT2007 21:13:42	0	0	0	0	0
14	SCI_NL__OPNPDE20071031_211150_000041462063_00029_29642_5484.N1	31OCT2007 21:11:50	31OCT2007 22:20:56	0	0	0	0	0
15	SCI_NL__OPNPDE20071031_222643_000056772063_00029_29642_5485.N1	31OCT2007 22:26:43	01NOV2007 00:01:19	0	0	0	0	0

0.2 Product Quality Indicators

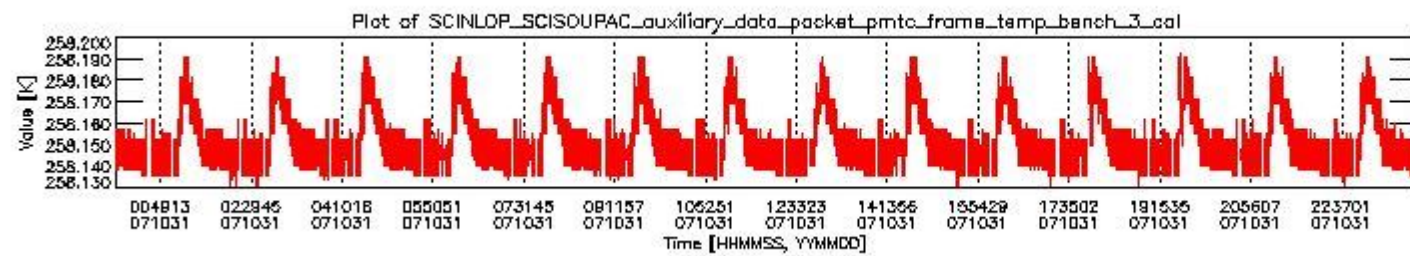
This section shows information about product quality, currently temperatures.



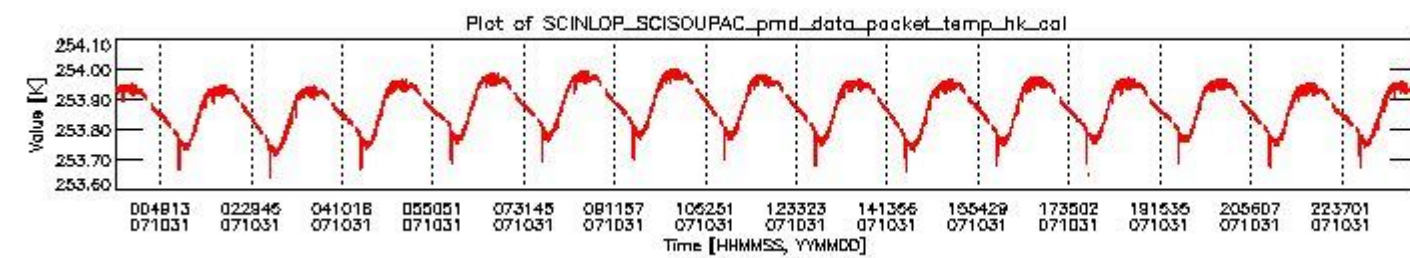
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071031_0.PNG



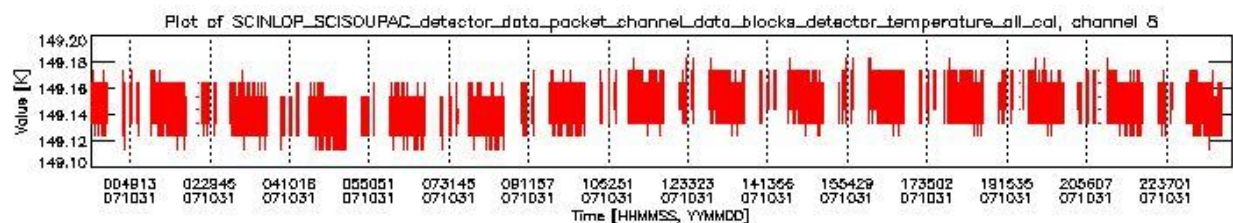
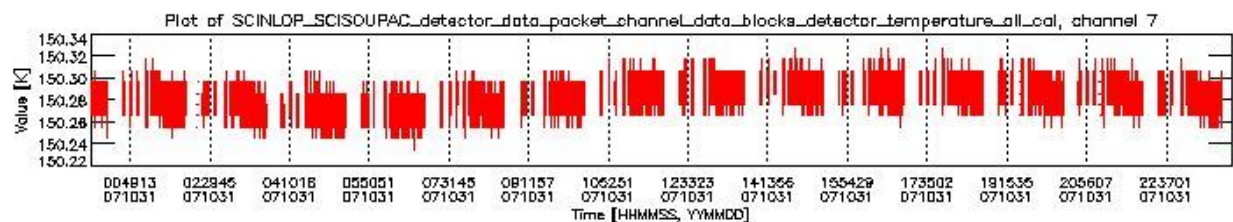
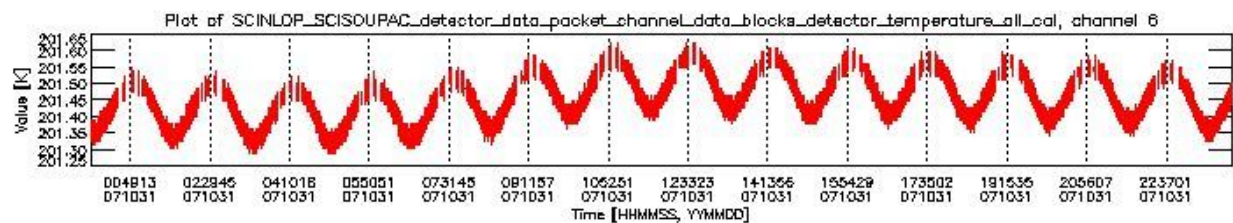
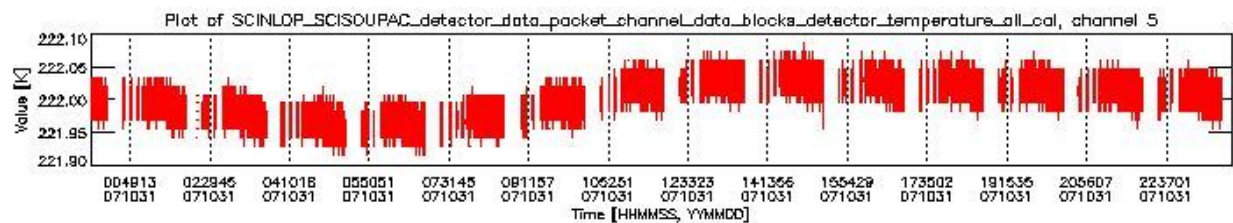
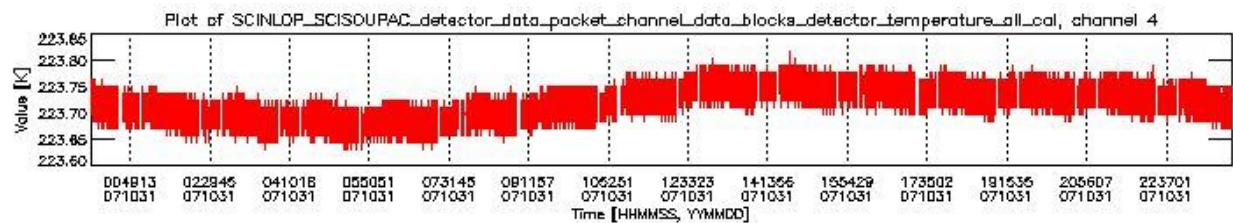
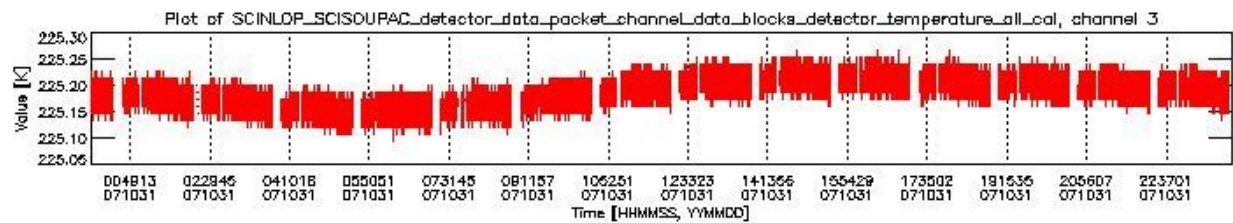
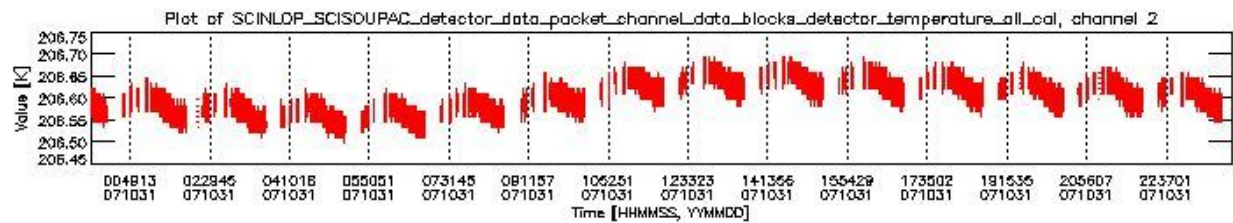
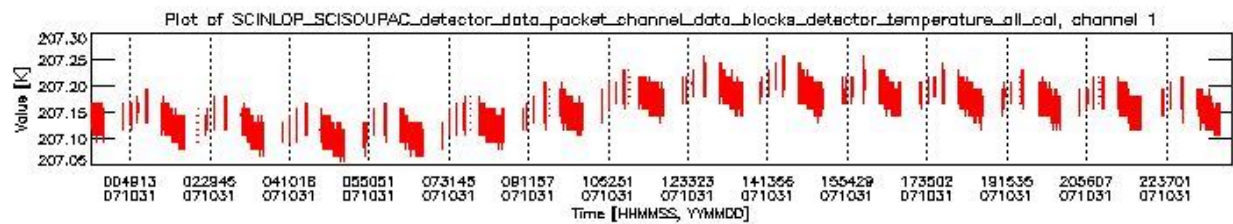
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071031_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071031_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071031_3.PNG

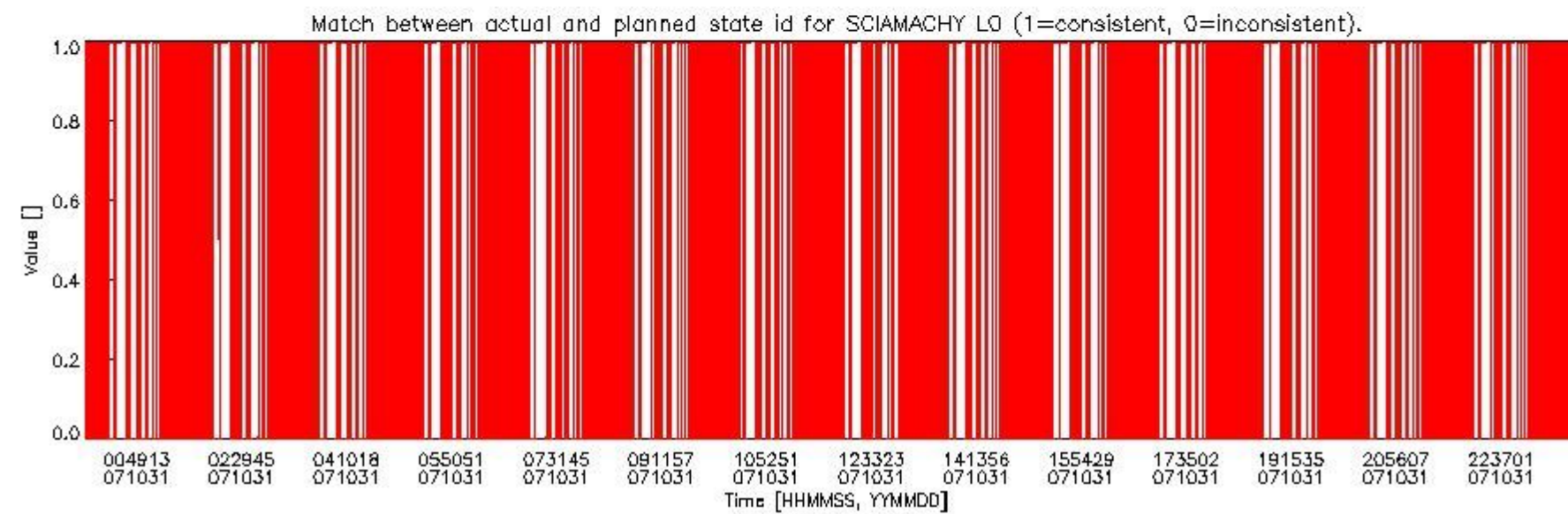
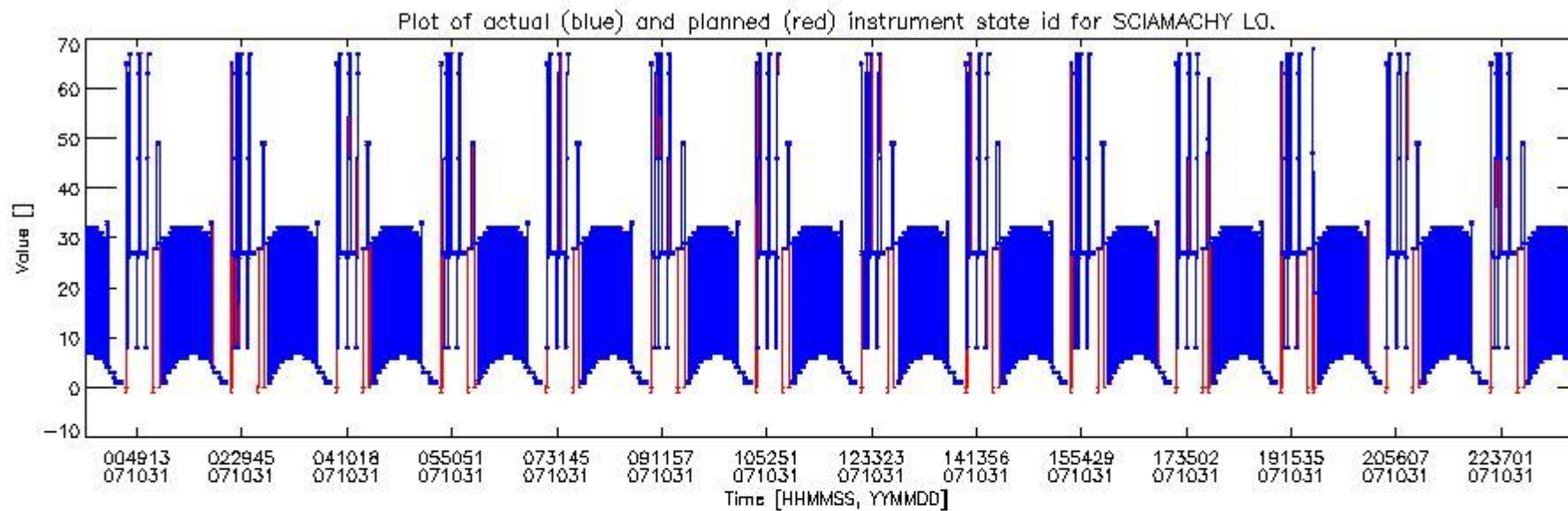


0.3 State monitoring

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: **32666**

#	Actual time	Actual value	Planned time	Planned value
0	31OCT2007 00:00:41.168837	7	31OCT2007 00:00:41.168837	32
1	31OCT2007 00:00:41.543850	7	31OCT2007 00:00:41.543850	32
2	31OCT2007 00:00:41.793859	7	31OCT2007 00:00:41.793859	32
3	31OCT2007 00:00:42.043868	7	31OCT2007 00:00:42.043868	32
4	31OCT2007 00:00:42.293836	7	31OCT2007 00:00:42.293836	32
5	31OCT2007 00:00:42.543845	7	31OCT2007 00:00:42.543845	32
6	31OCT2007 00:00:42.793854	7	31OCT2007 00:00:42.793854	32
7	31OCT2007 00:00:43.043862	7	31OCT2007 00:00:43.043862	32
8	31OCT2007 00:00:43.293871	7	31OCT2007 00:00:43.293871	32
9	31OCT2007 00:00:43.543839	7	31OCT2007 00:00:43.543839	32
10	31OCT2007 00:00:43.793848	7	31OCT2007 00:00:43.793848	32
11	31OCT2007 00:00:44.043857	7	31OCT2007 00:00:44.043857	32
12	31OCT2007 00:00:44.293866	7	31OCT2007 00:00:44.293866	32
13	31OCT2007 00:00:44.543874	7	31OCT2007 00:00:44.543874	32
14	31OCT2007 00:00:44.793843	7	31OCT2007 00:00:44.793843	32
15	31OCT2007 00:00:45.043851	7	31OCT2007 00:00:45.043851	32
16	31OCT2007 00:00:45.293860	7	31OCT2007 00:00:45.293860	32
17	31OCT2007 00:00:45.543869	7	31OCT2007 00:00:45.543869	32
18	31OCT2007 00:00:45.793837	7	31OCT2007 00:00:45.793837	32
19	31OCT2007 00:00:46.043846	7	31OCT2007 00:00:46.043846	32

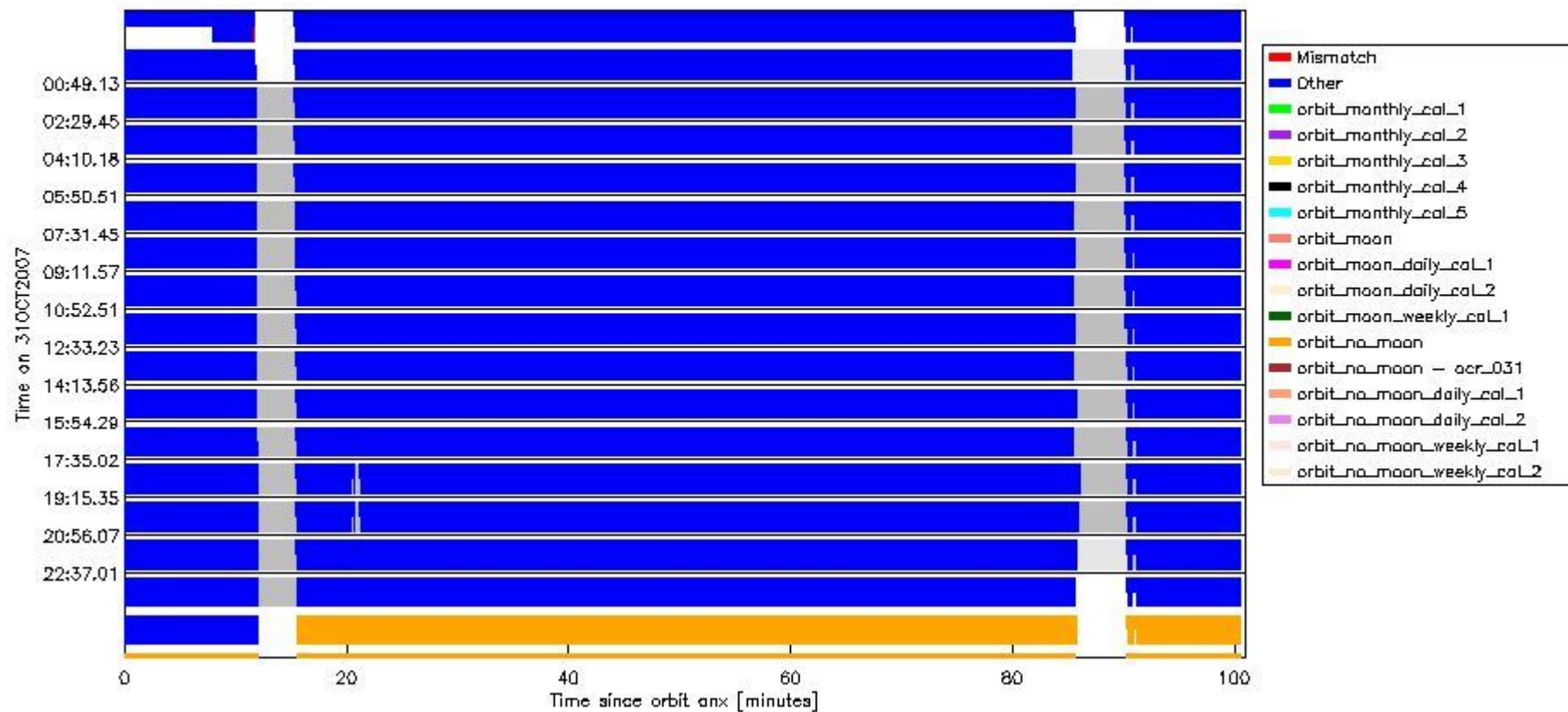


sciamachy_daily_report_level0_KSPT_L0_4302_N_20071031_5.PNG

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 31OCT2007.
 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_20071031_6.PNG

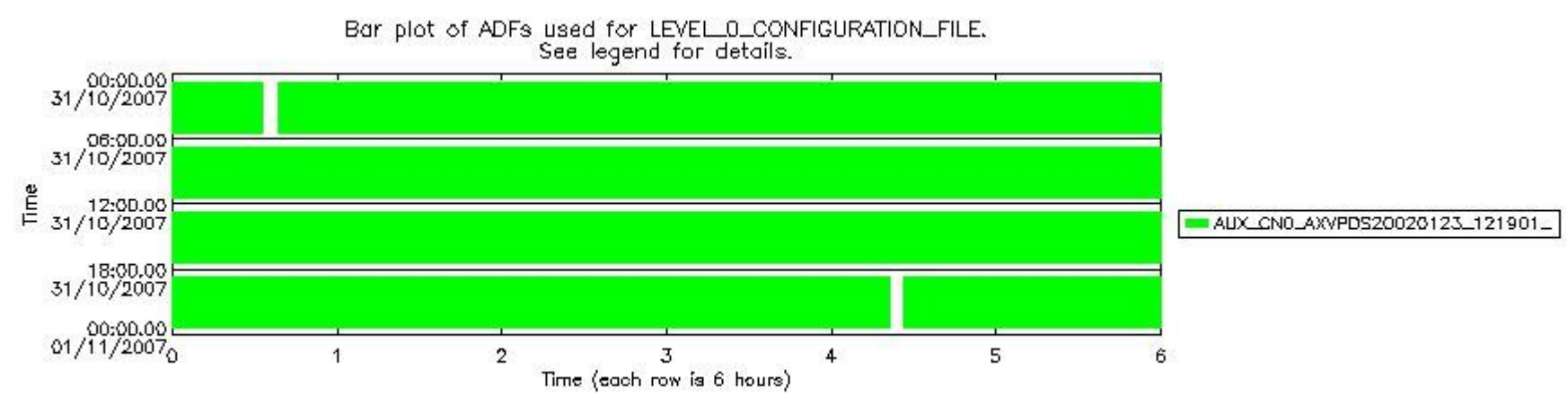
0.4 ADF monitoring

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

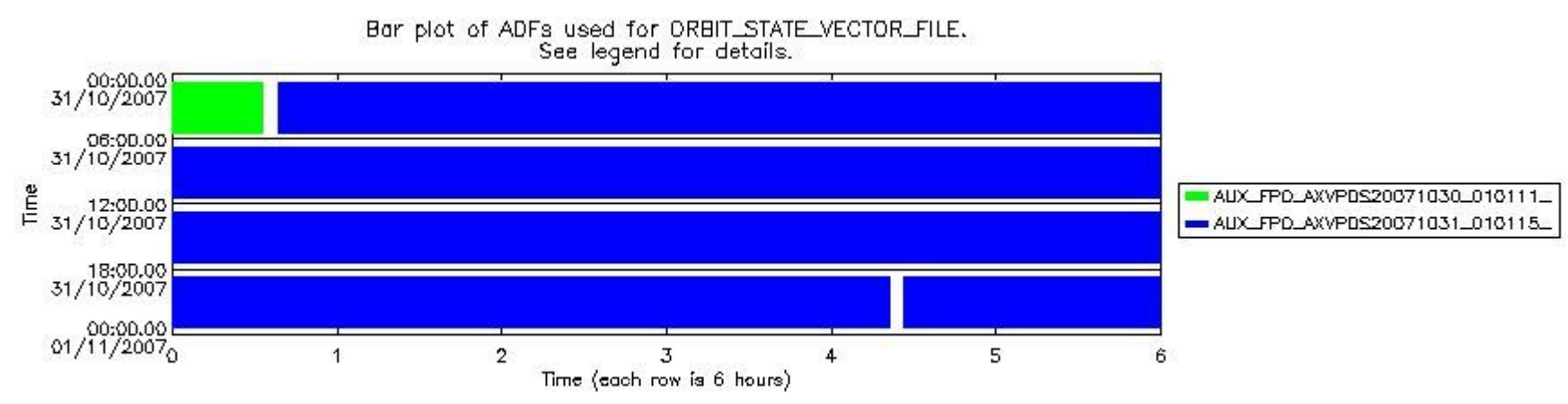
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

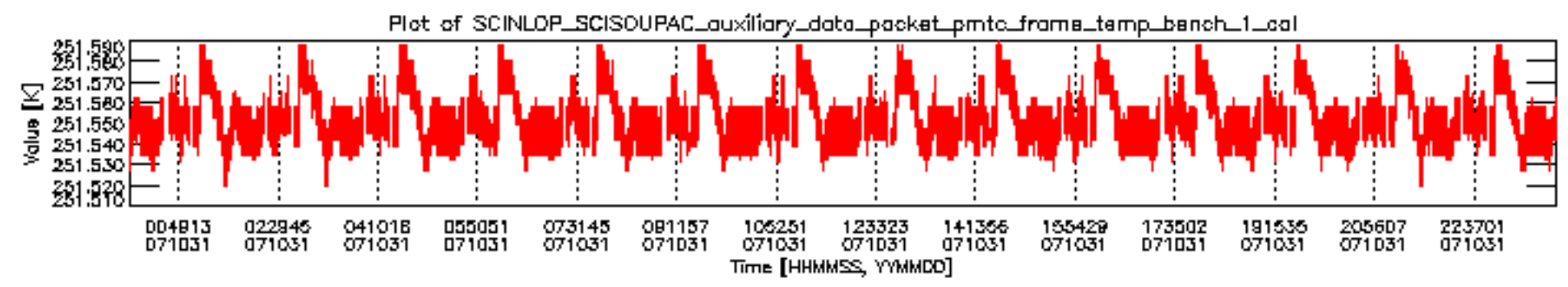
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20071030_010111_20071029_183820_20071108_200434
2	AUX_FPO_AXVPDS20071031_010115_20071030_194719_20071109_211332

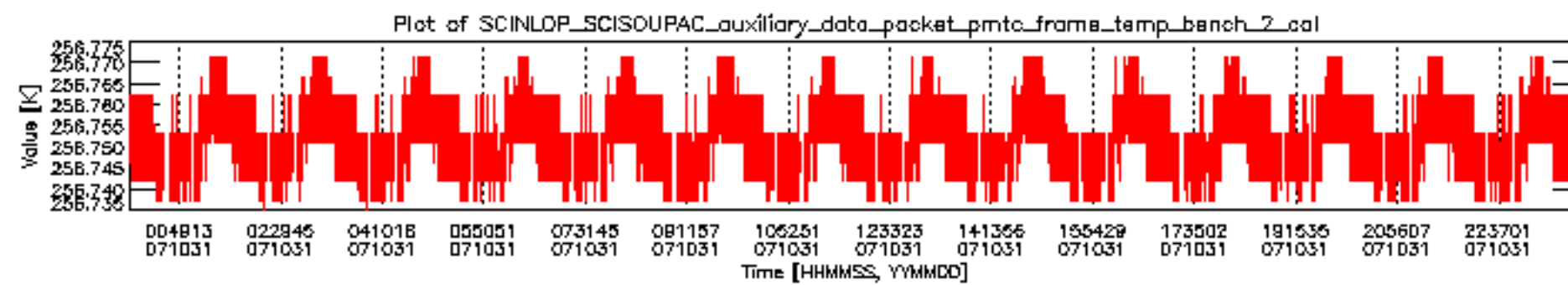


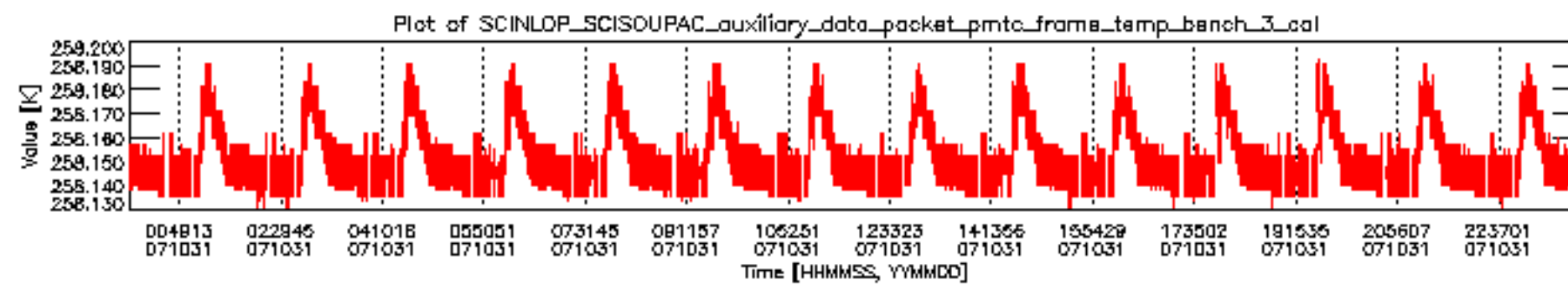
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071031_7.PNG

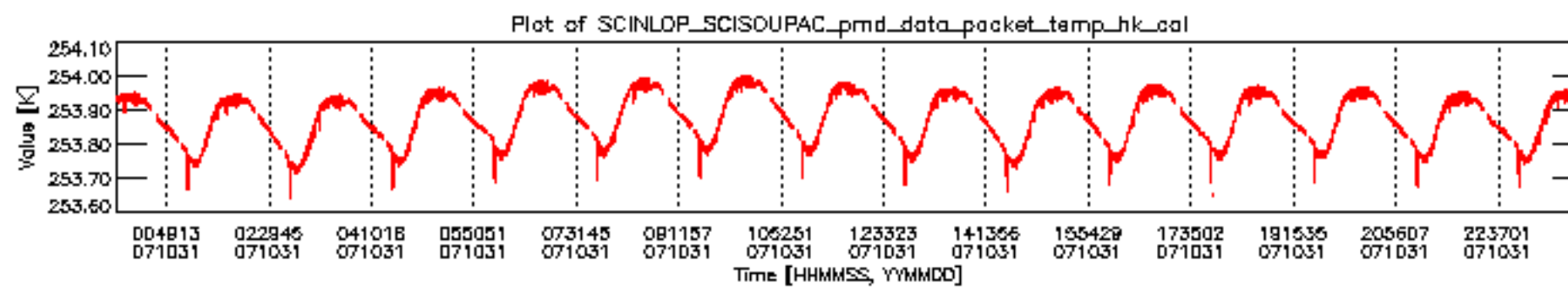


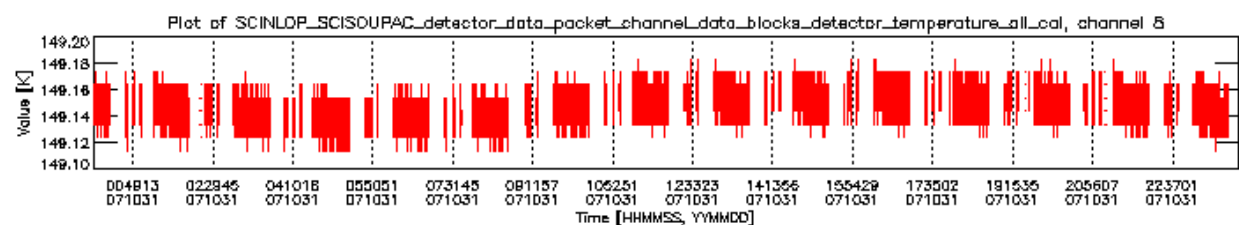
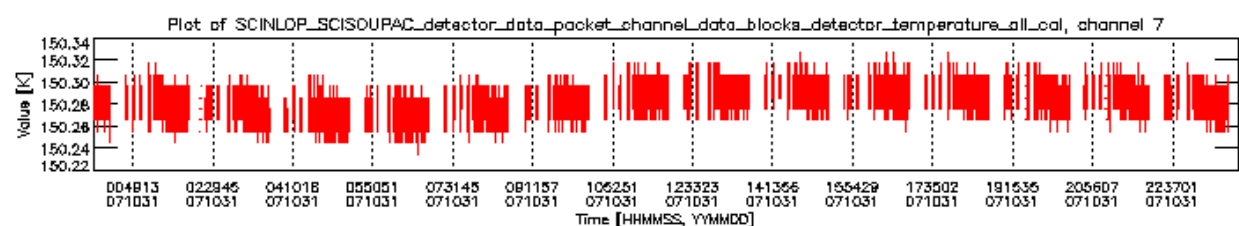
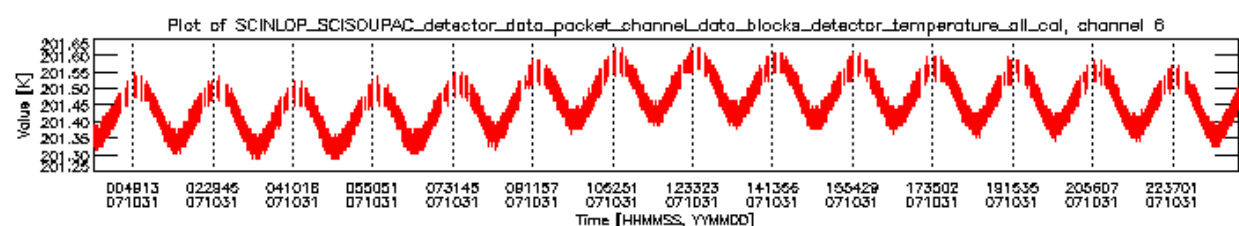
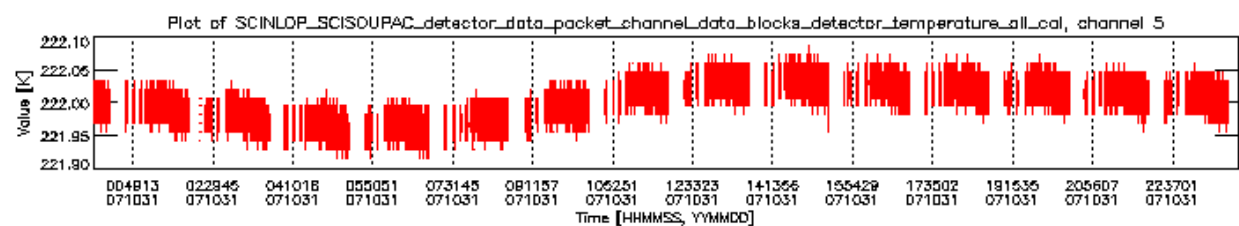
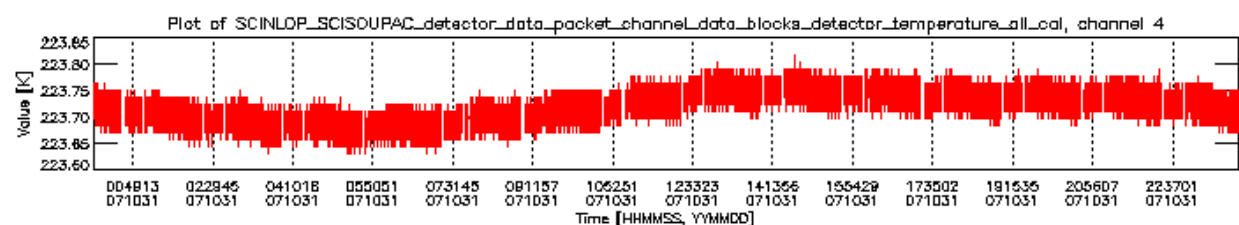
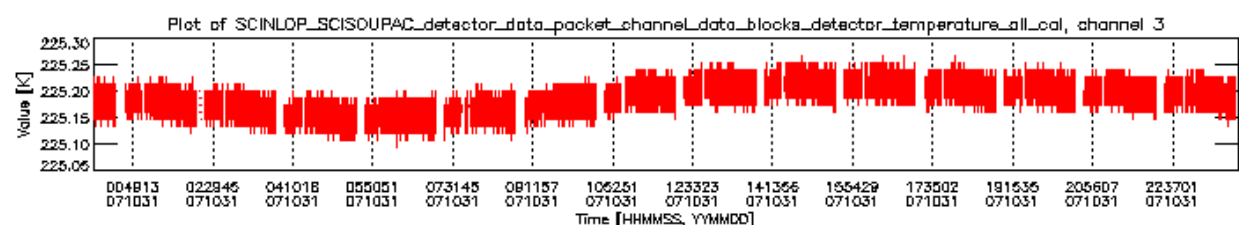
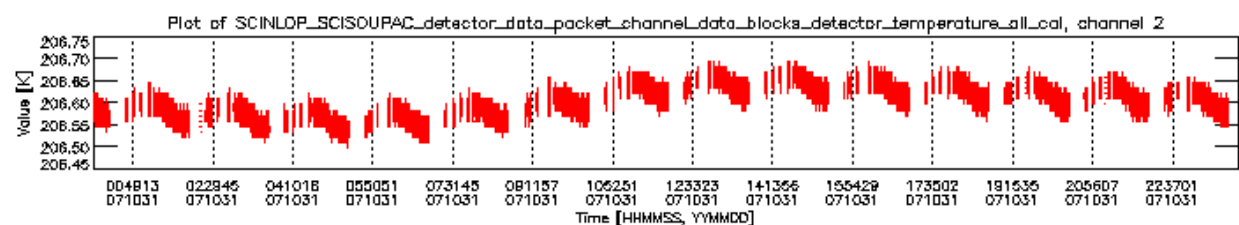
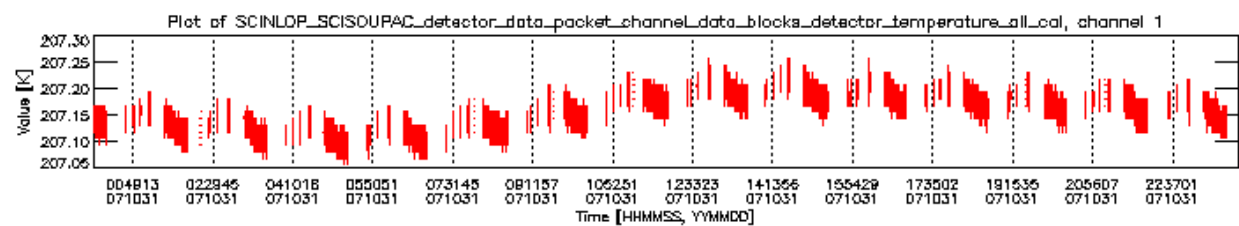
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071031_8.PNG

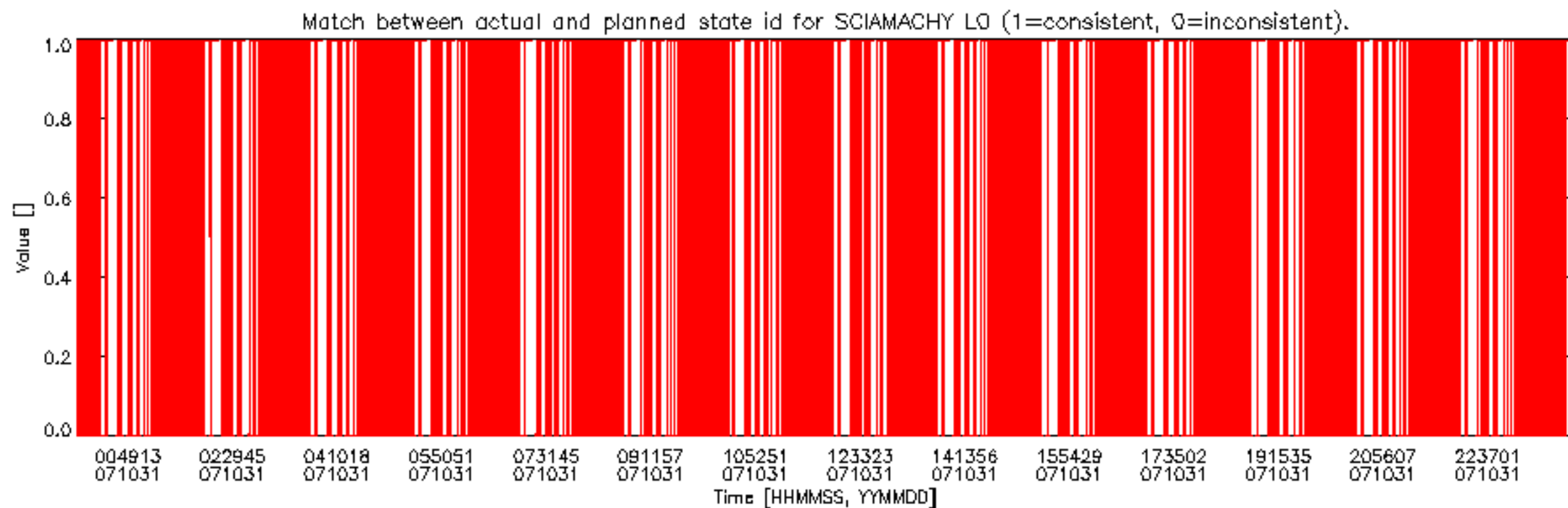
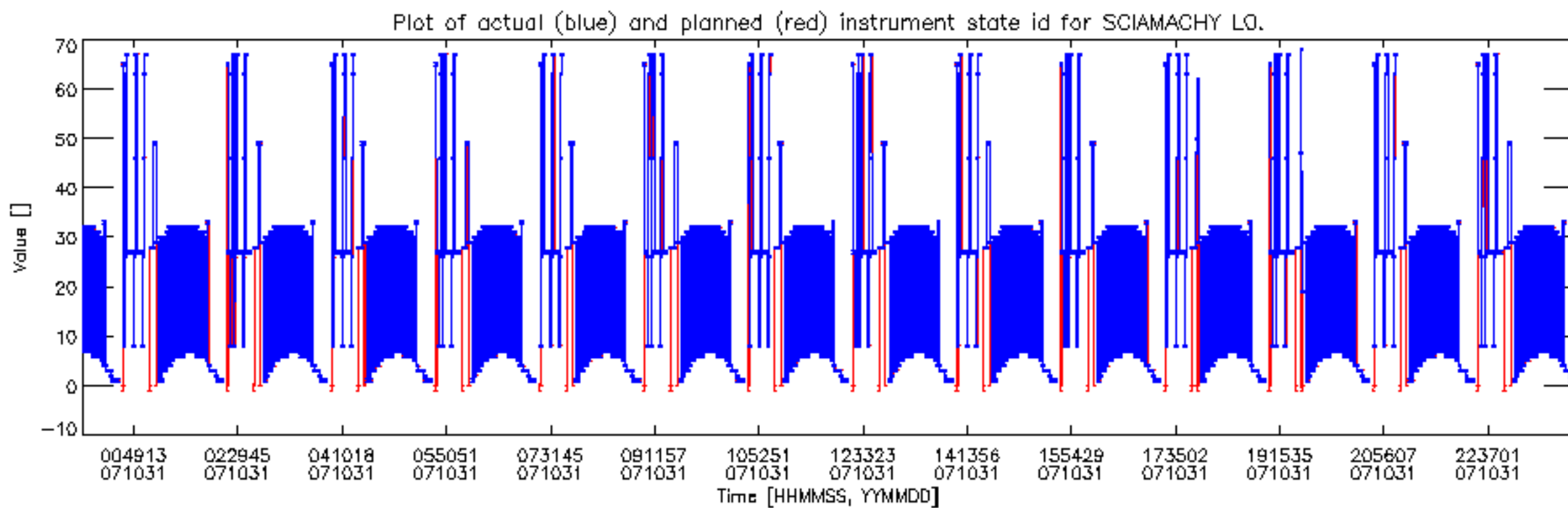




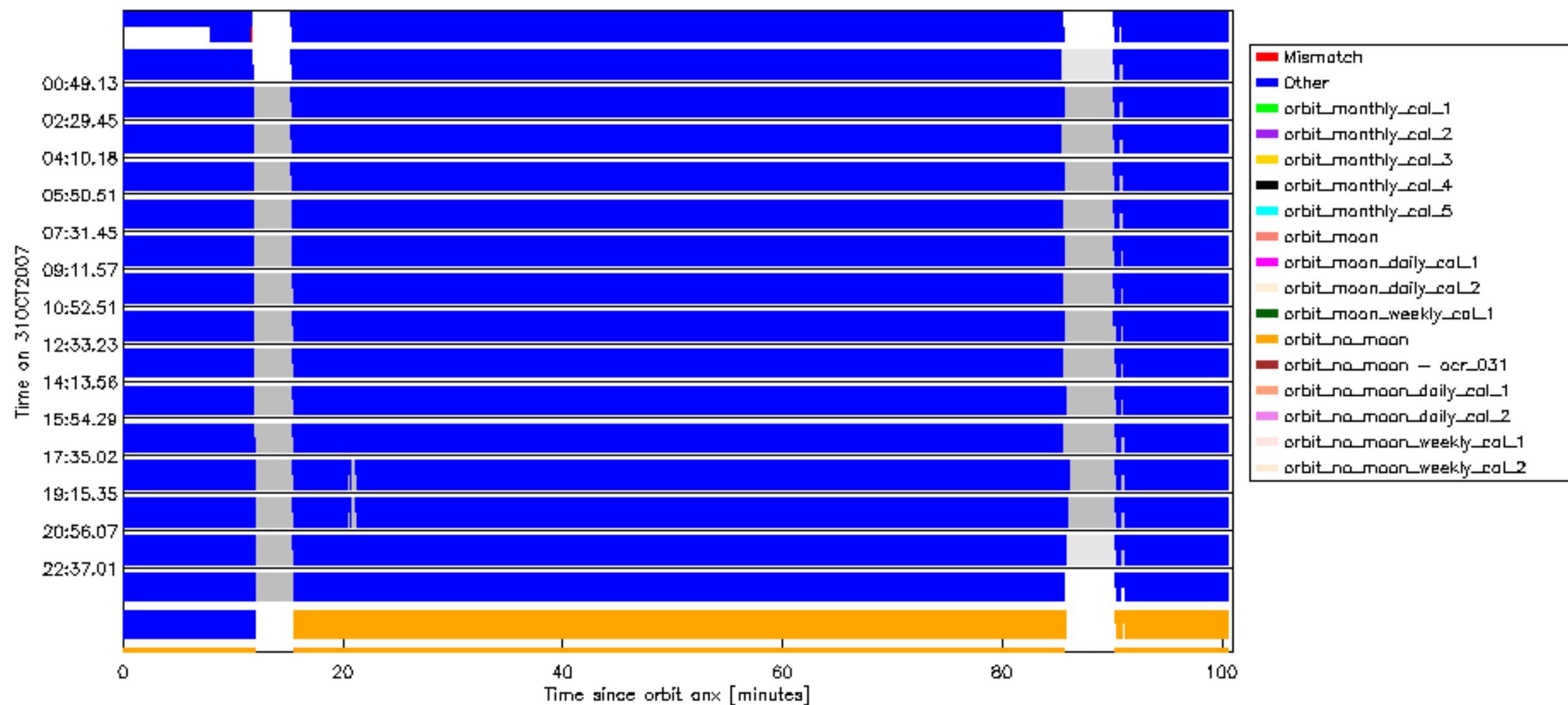


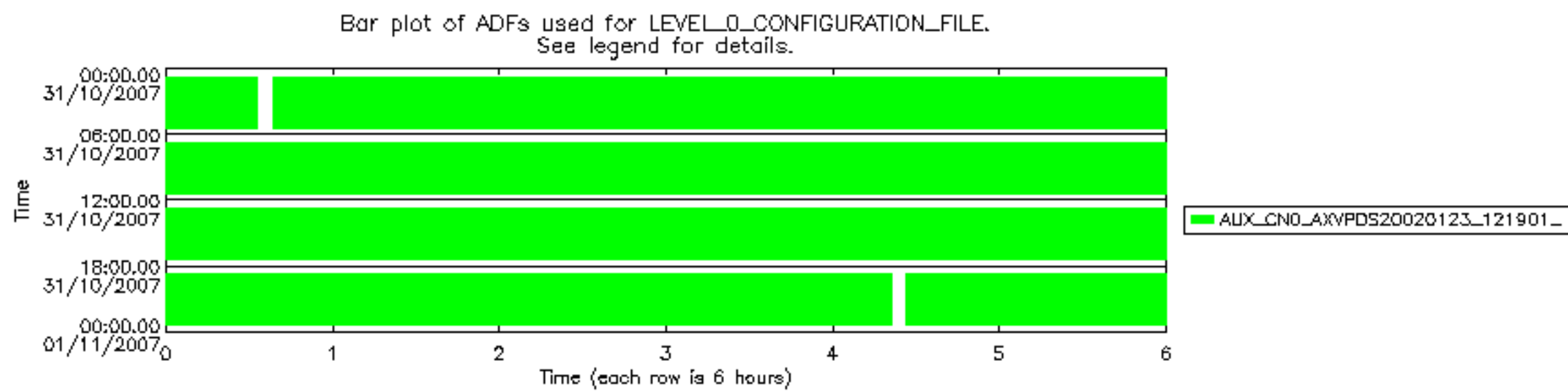






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 31OCT2007.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities 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.

