

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	01NOV2007 16:20:28
Data source version	KSPT_L0/4302-N
Processing scope for products	28OCT2007 00:00:00 to 29OCT2007 00:00:00
Start time of first product within scope	27OCT2007 22:52:10
Stop time of last product within scope	29OCT2007 00:01:16
Total number of level 0 products	16
Number of level 0 products with errors	0

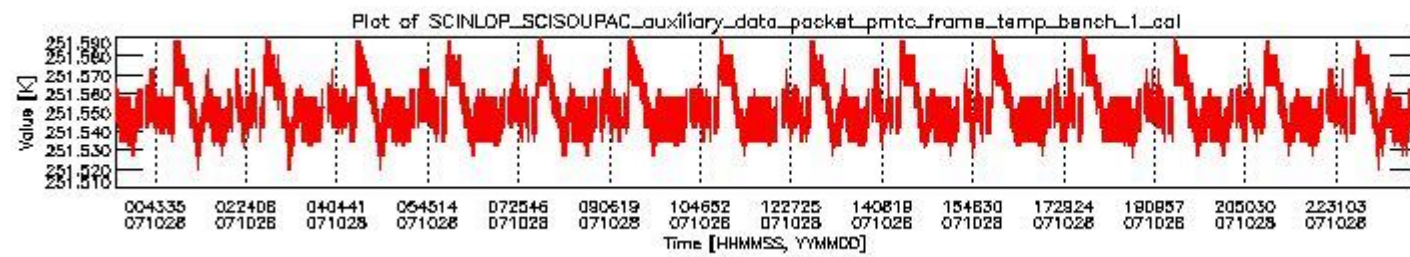
0.1.2 Summary per product

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

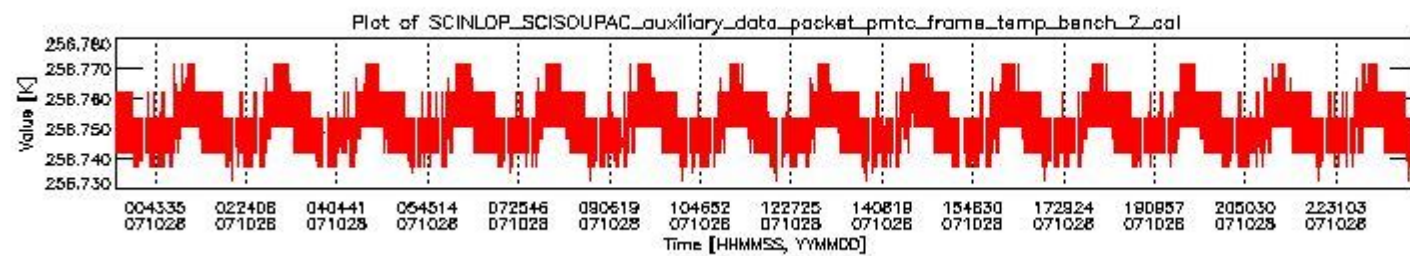
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20071027_225210_000056902062_00473_29585_5460.N1	27OCT2007 22:52:10	28OCT2007 00:27:00	0	0	0	0	0
1	SCI_NL__OPNPDE20071028_003246_000056772062_00474_29586_5461.N1	28OCT2007 00:32:46	28OCT2007 02:07:23	0	0	0	0	0
2	SCI_NL__OPNPDE20071028_020723_000045482062_00475_29587_5462.N1	28OCT2007 02:07:23	28OCT2007 03:23:11	0	0	0	0	0
3	SCI_NL__OPNPDE20071028_032311_000060922062_00476_29588_5463.N1	28OCT2007 03:23:11	28OCT2007 05:04:44	0	0	0	0	0
4	SCI_NL__OPNPDE20071028_050444_000061052062_00477_29589_5464.N1	28OCT2007 05:04:44	28OCT2007 06:46:29	0	0	0	0	0
5	SCI_NL__OPNPDK20071028_064629_000039772062_00478_29590_6472.N1	28OCT2007 06:46:29	28OCT2007 07:52:46	0	0	0	0	0
6	SCI_NL__OPNPDK20071028_075150_000061052062_00479_29591_6473.N1	28OCT2007 07:51:50	28OCT2007 09:33:35	0	0	0	0	0
7	SCI_NL__OPNPDK20071028_093226_000061612062_00480_29592_6474.N1	28OCT2007 09:32:26	28OCT2007 11:15:07	0	0	0	0	0
8	SCI_NL__OPNPDK20071028_111358_000059802062_00481_29593_6475.N1	28OCT2007 11:13:58	28OCT2007 12:53:39	0	0	0	0	0
9	SCI_NL__OPNPDK20071028_125243_000059682062_00482_29594_6476.N1	28OCT2007 12:52:43	28OCT2007 14:32:11	0	0	0	0	0
10	SCI_NL__OPNPDK20071028_143019_000058432062_00483_29595_6477.N1	28OCT2007 14:30:19	28OCT2007 16:07:42	0	0	0	0	0
11	SCI_NL__OPNPDK20071028_160742_000060362062_00484_29596_6478.N1	28OCT2007 16:07:42	28OCT2007 17:48:18	0	0	0	0	0
12	SCI_NL__OPNPDK20071028_174529_000061482062_00485_29597_6479.N1	28OCT2007 17:45:29	28OCT2007 19:27:58	0	0	0	0	0
13	SCI_NL__OPNPDK20071028_192702_000059802062_00486_29598_6480.N1	28OCT2007 19:27:02	28OCT2007 21:06:42	0	0	0	0	0
14	SCI_NL__OPNPDE20071028_210546_000041332062_00487_29599_5465.N1	28OCT2007 21:05:46	28OCT2007 22:14:40	0	0	0	0	0
15	SCI_NL__OPNPDE20071028_222039_000060362062_00487_29599_5466.N1	28OCT2007 22:20:39	29OCT2007 00:01:16	0	0	0	0	0

0.2 Product Quality Indicators

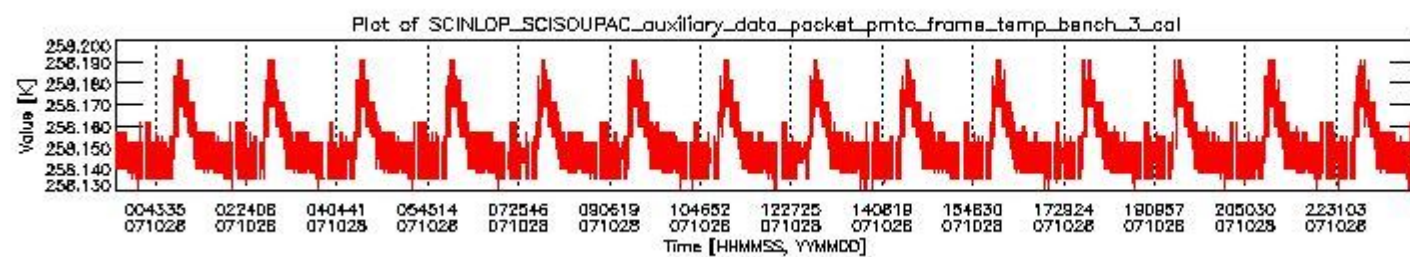
This section shows information about product quality, currently temperatures.



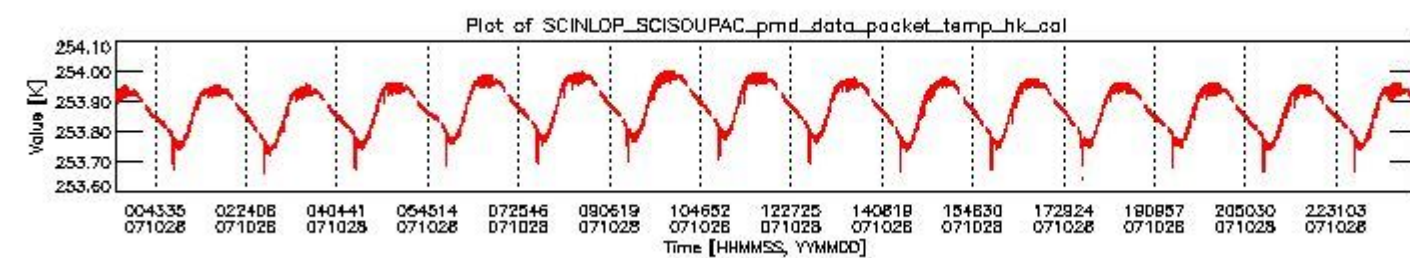
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071028_0.PNG



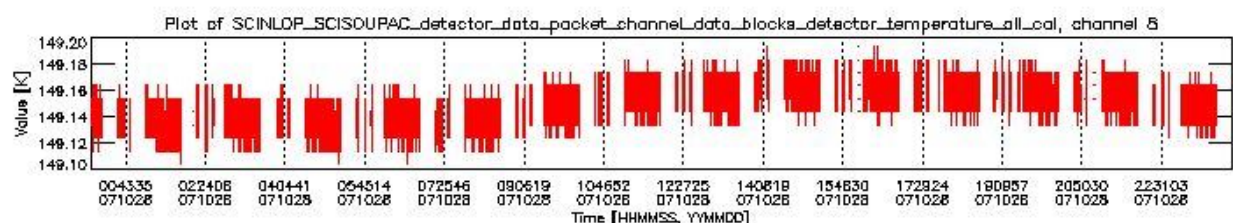
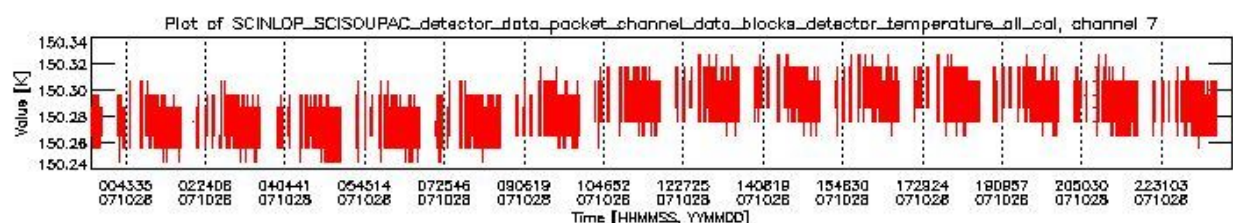
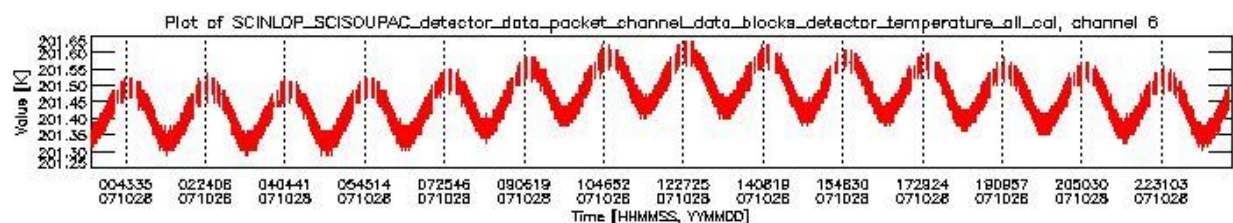
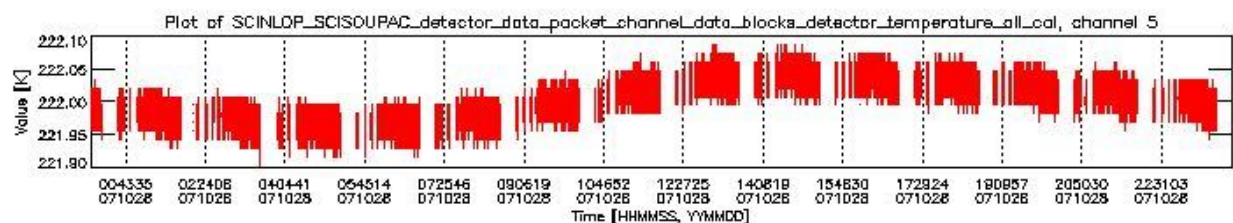
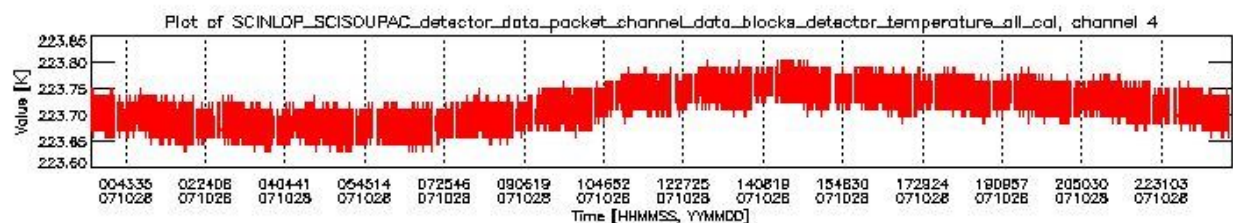
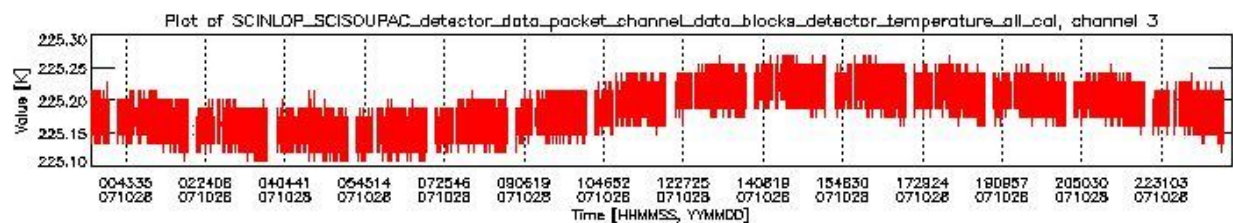
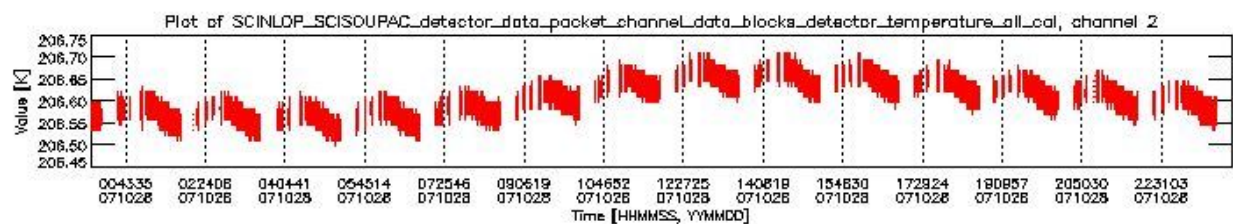
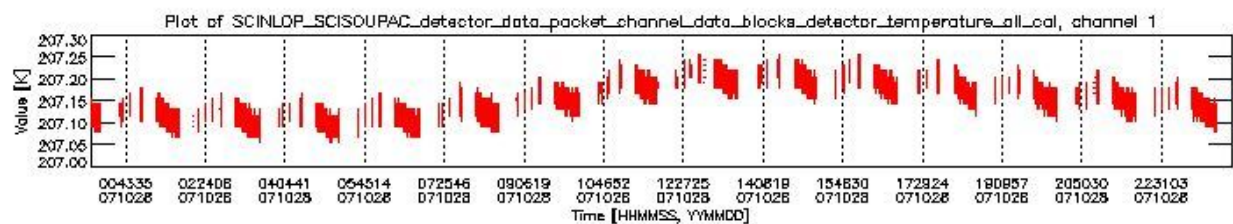
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071028_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071028_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071028_3.PNG

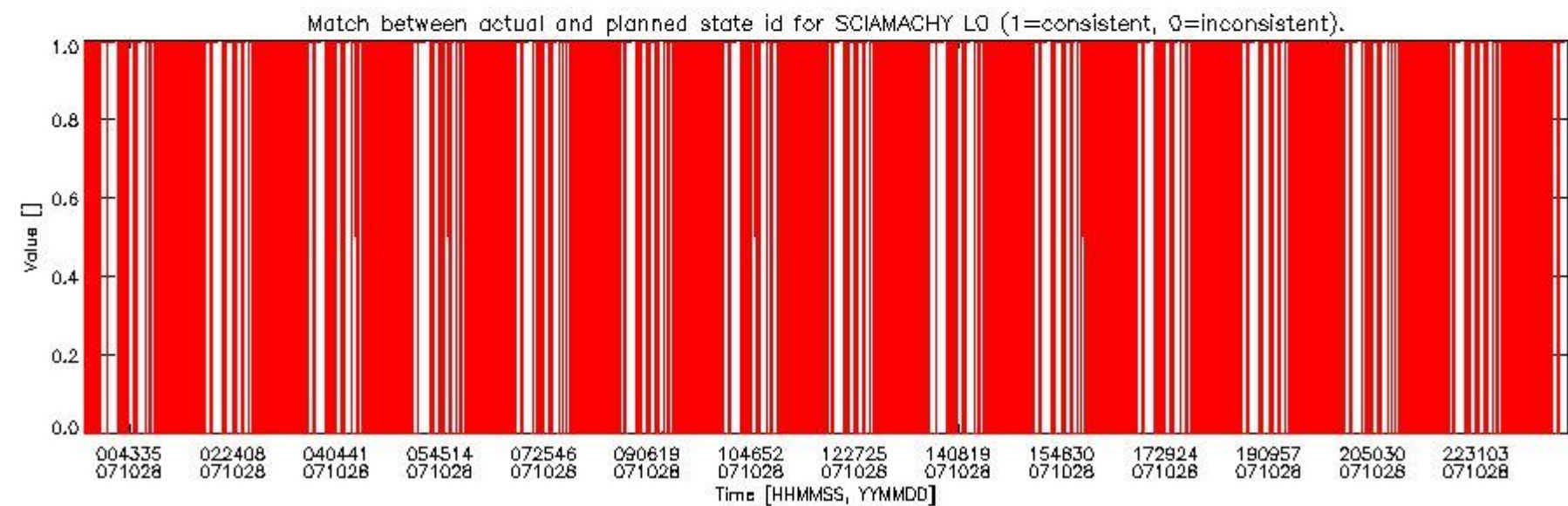
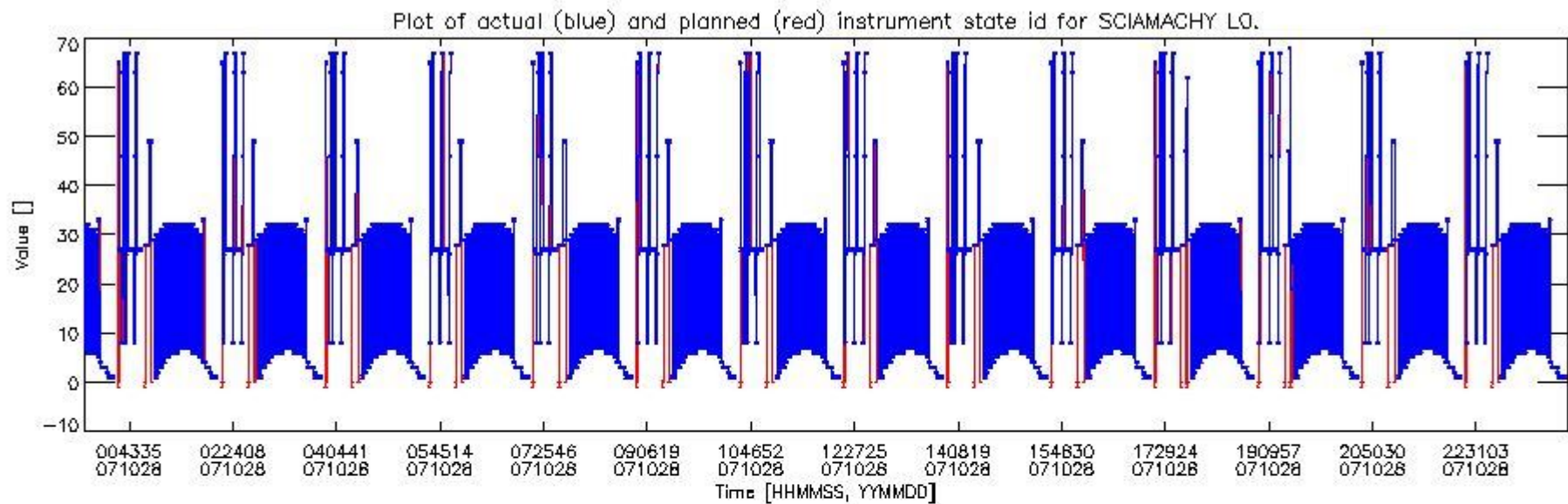


0.3 State monitoring

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: **32489**

#	Actual time	Actual value	Planned time	Planned value
0	28OCT2007 00:00:00.054958	7	28OCT2007 00:00:00.054958	32
1	28OCT2007 00:00:00.304967	7	28OCT2007 00:00:00.304967	32
2	28OCT2007 00:00:00.554936	7	28OCT2007 00:00:00.554936	32
3	28OCT2007 00:00:00.804944	7	28OCT2007 00:00:00.804944	32
4	28OCT2007 00:00:01.054953	7	28OCT2007 00:00:01.054953	32
5	28OCT2007 00:00:01.304962	7	28OCT2007 00:00:01.304962	32
6	28OCT2007 00:00:01.554930	7	28OCT2007 00:00:01.554930	32
7	28OCT2007 00:00:01.804939	7	28OCT2007 00:00:01.804939	32
8	28OCT2007 00:00:02.054948	7	28OCT2007 00:00:02.054948	32
9	28OCT2007 00:01:03.492434	32	28OCT2007 00:01:03.492434	7
10	28OCT2007 00:01:04.117455	32	28OCT2007 00:01:04.117455	7
11	28OCT2007 00:01:04.492428	32	28OCT2007 00:01:04.492428	7
12	28OCT2007 00:01:04.867441	32	28OCT2007 00:01:04.867441	7
13	28OCT2007 00:01:05.429941	32	28OCT2007 00:01:05.429941	7
14	28OCT2007 00:01:05.804954	32	28OCT2007 00:01:05.804954	7
15	28OCT2007 00:01:06.179927	32	28OCT2007 00:01:06.179927	7
16	28OCT2007 00:01:06.554940	32	28OCT2007 00:01:06.554940	7
17	28OCT2007 00:01:07.117439	32	28OCT2007 00:01:07.117439	7
18	28OCT2007 00:01:07.492452	32	28OCT2007 00:01:07.492452	7
19	28OCT2007 00:01:07.867425	32	28OCT2007 00:01:07.867425	7

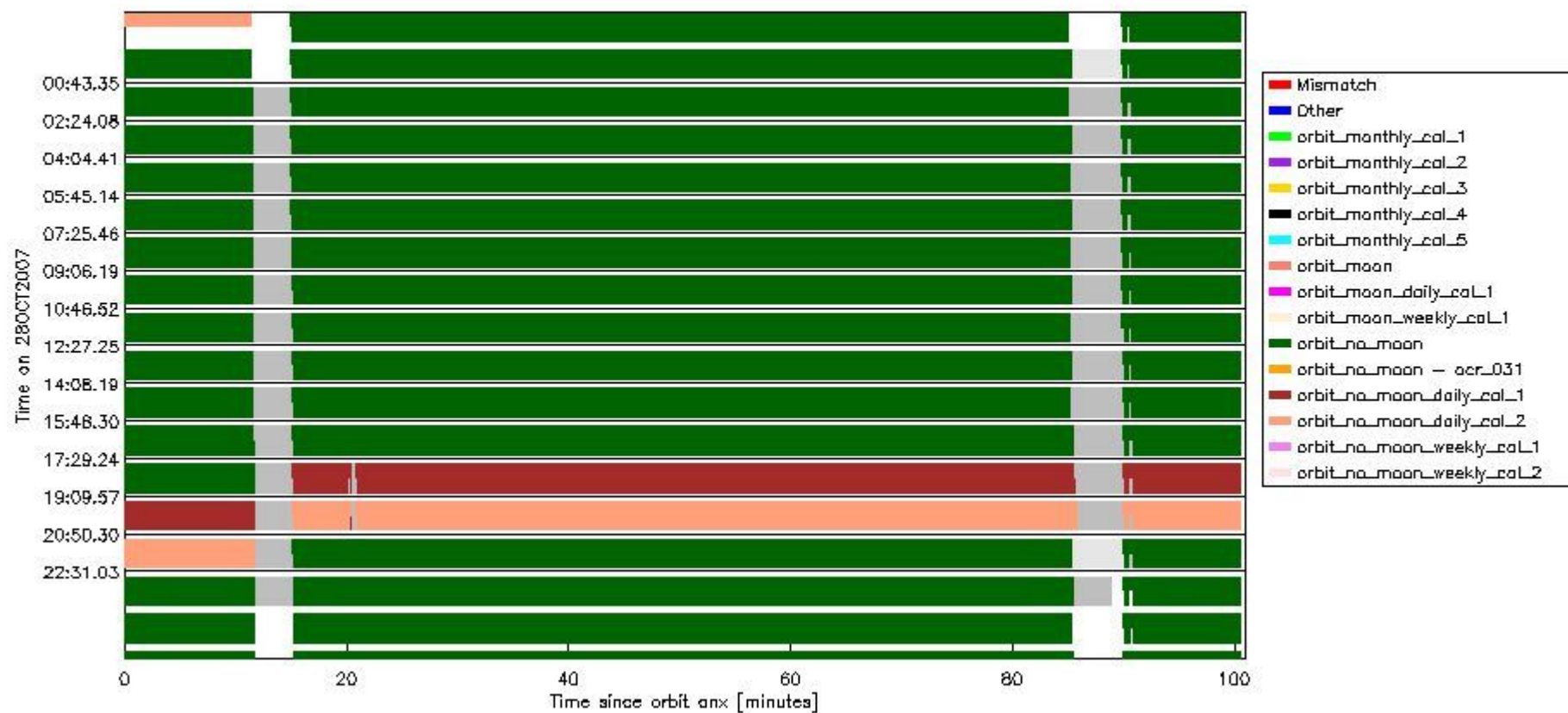


sciamachy_daily_report_level0_KSPT_L0_4302_N_20071028_5.PNG

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 28OCT2007.
 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_20071028_6.PNG

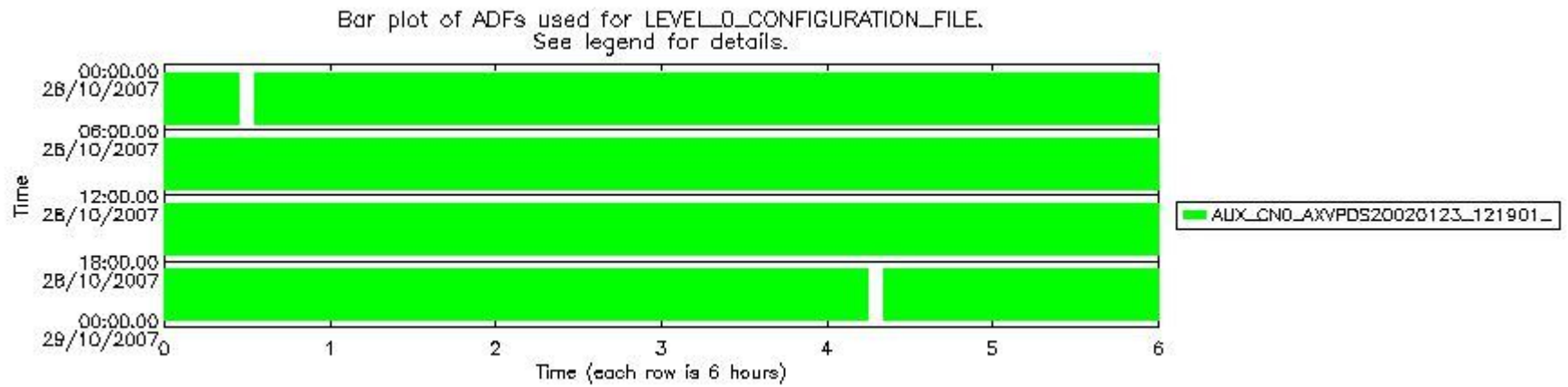
0.4 ADF monitoring

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

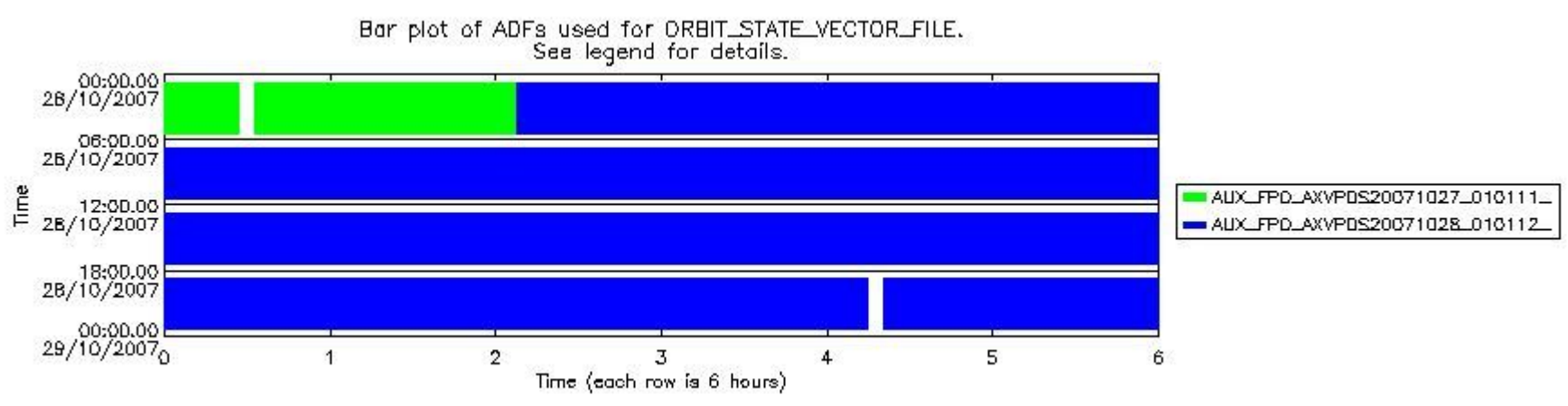
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

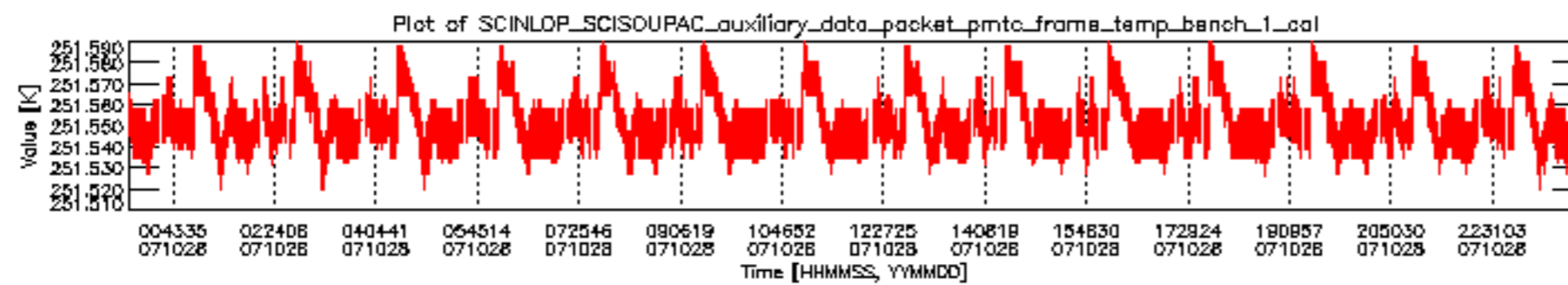
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20071027_010111_20071026_183235_20071105_213925
2	AUX_FPO_AXVPDS20071028_010112_20071027_194134_20071106_210748

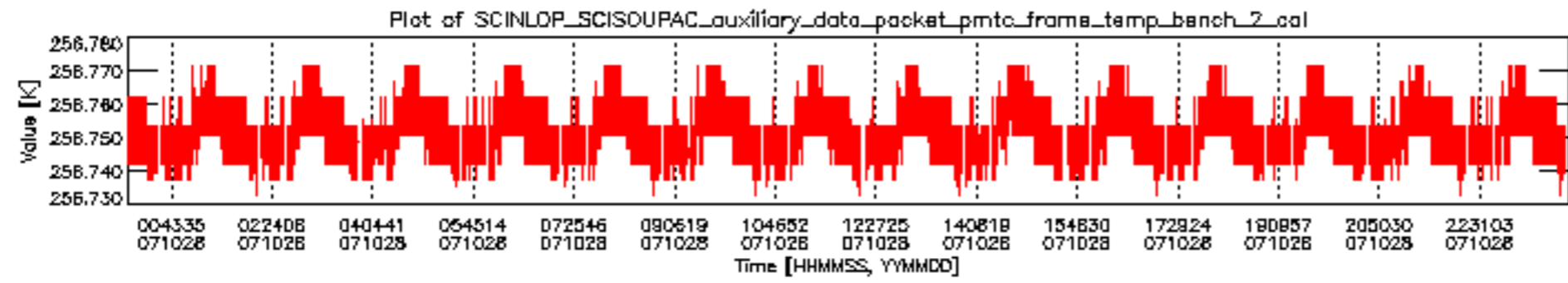


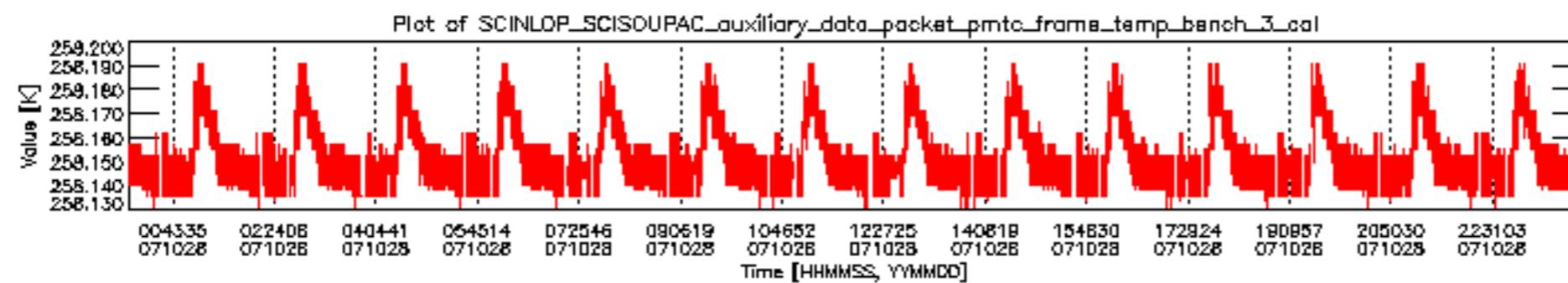
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071028_7.PNG

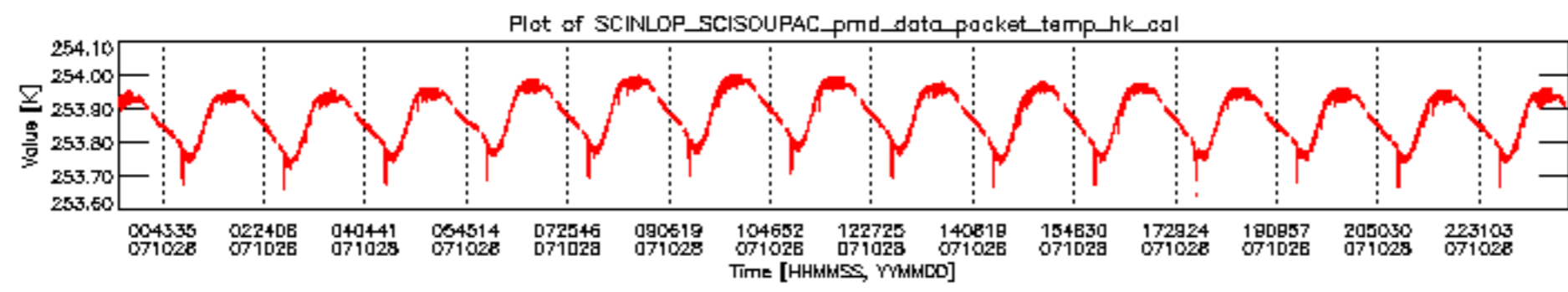


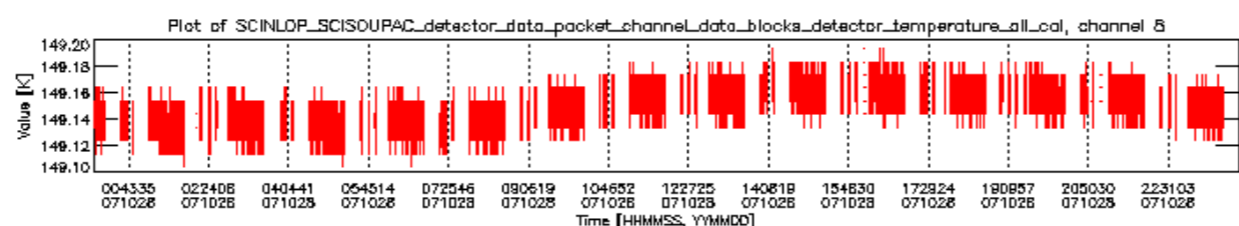
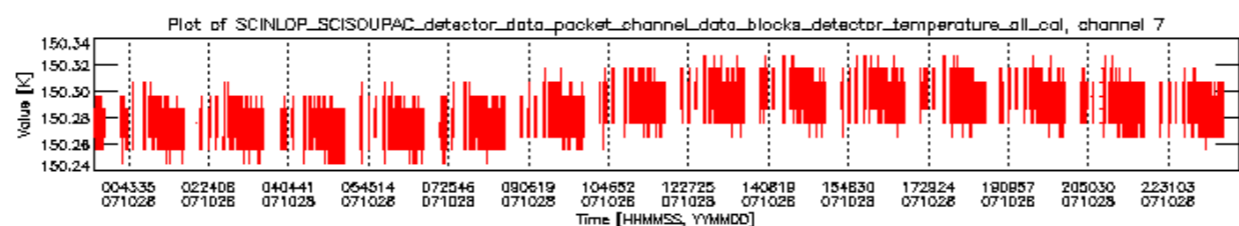
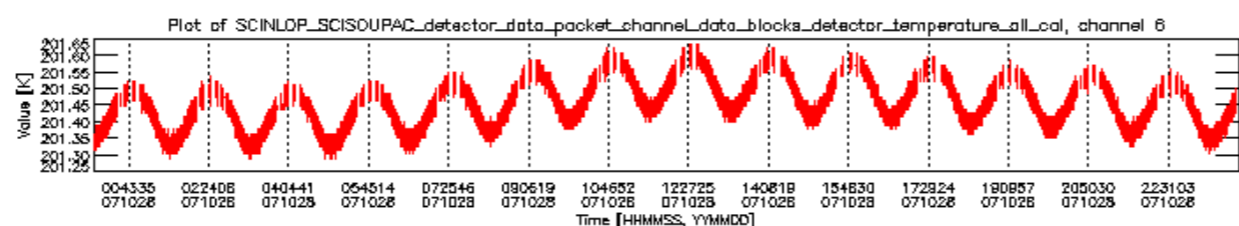
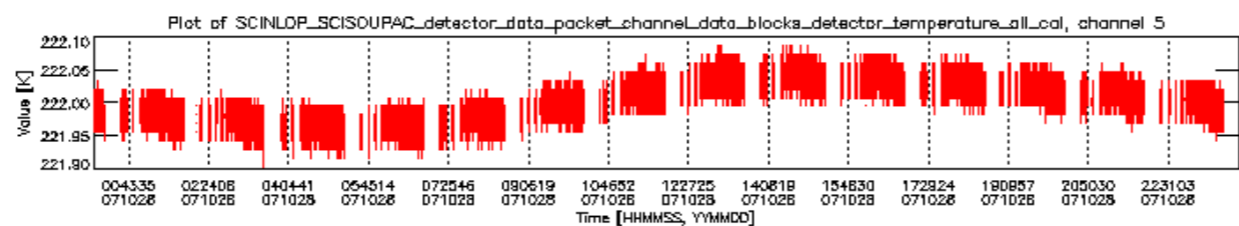
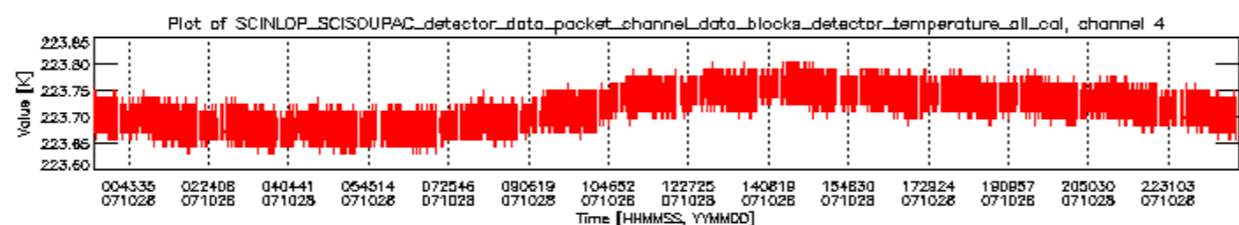
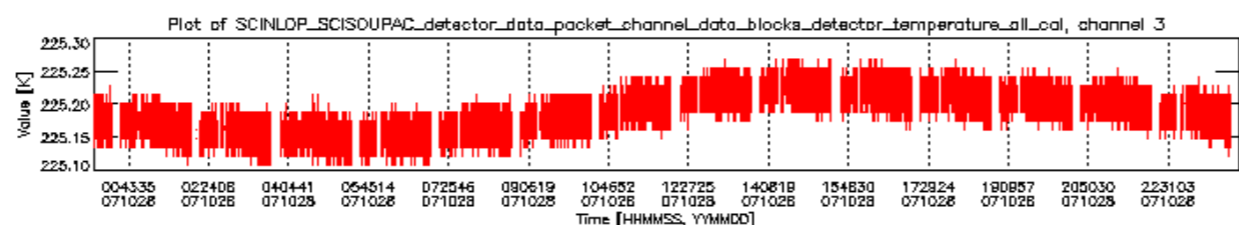
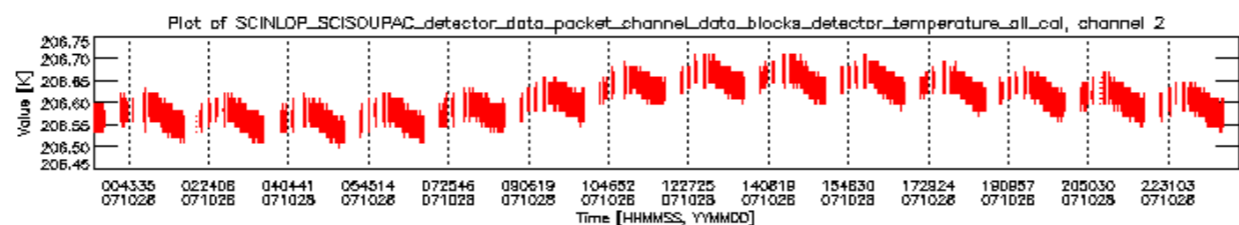
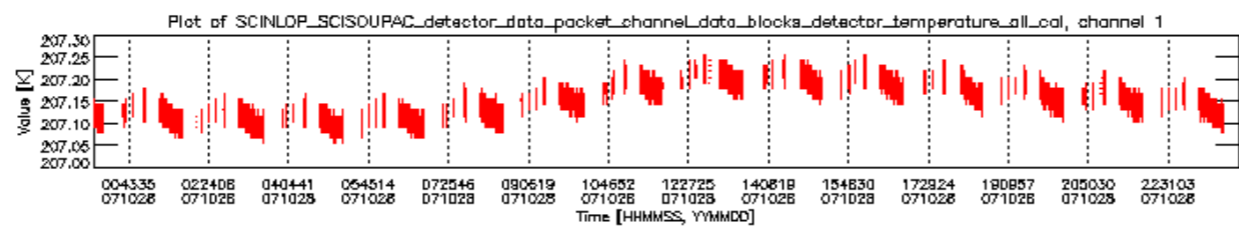
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071028_8.PNG

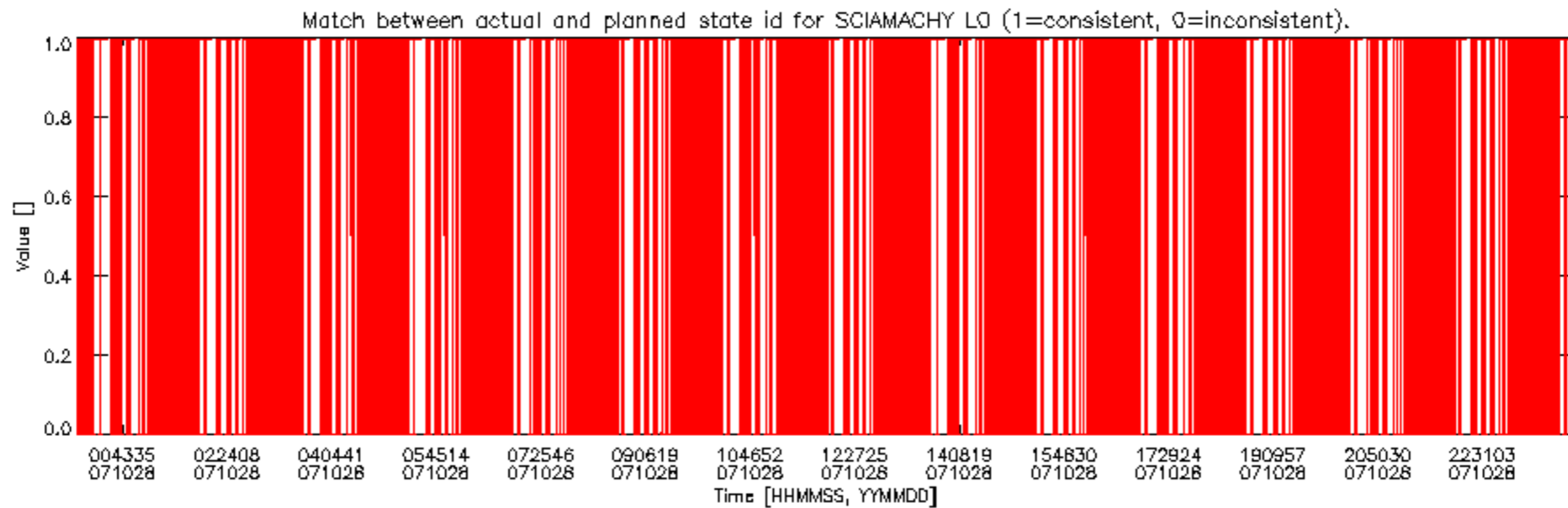
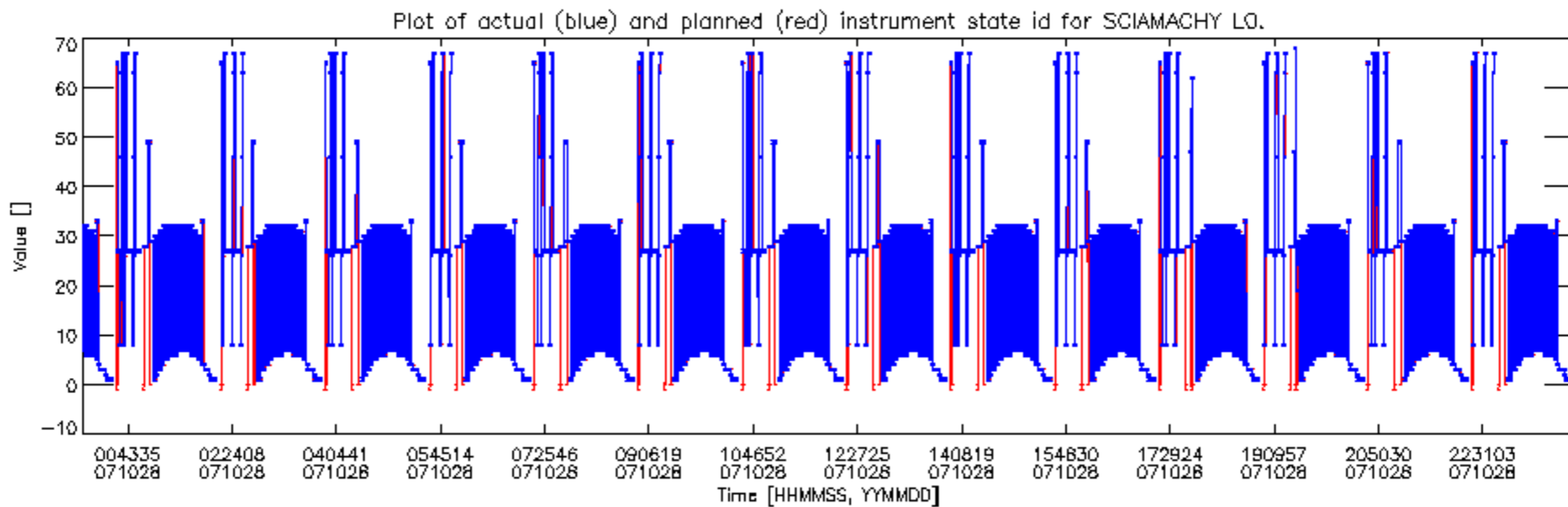




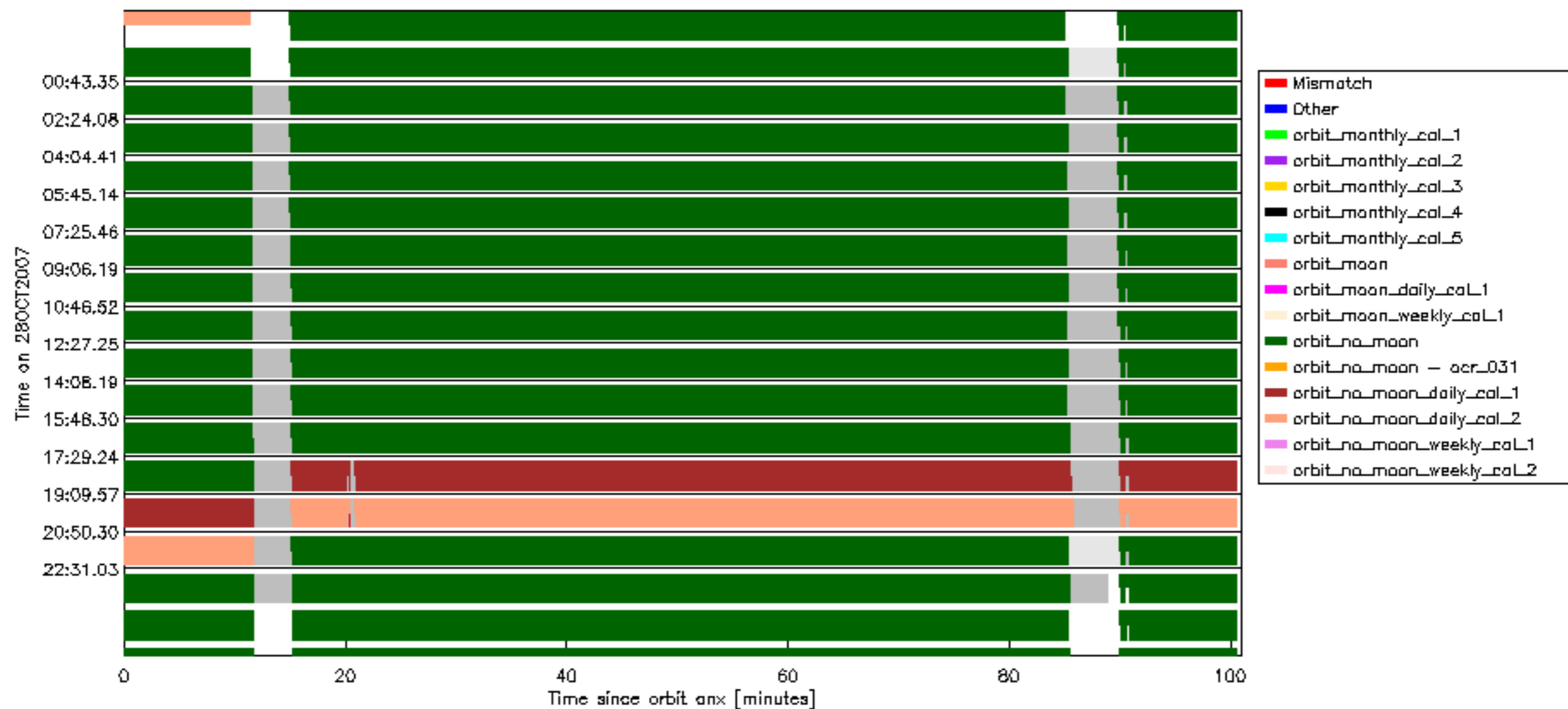


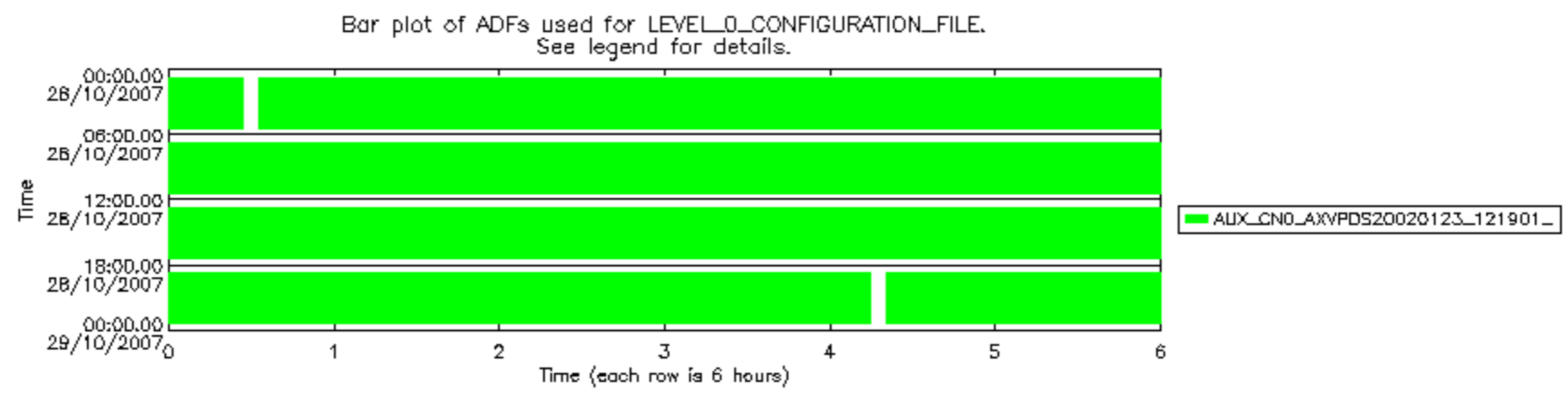






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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 The remaining colours indicate planned activities and/or special measurements.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

