

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	12OCT2007 13:10:00
Data source version	KSPT_L0/4302-N
Processing scope for products	08OCT2007 00:00:00 to 09OCT2007 00:00:00
Start time of first product within scope	07OCT2007 23:18:38
Stop time of last product within scope	09OCT2007 00:27:45
Total number of level 0 products	16
Number of level 0 products with errors	0

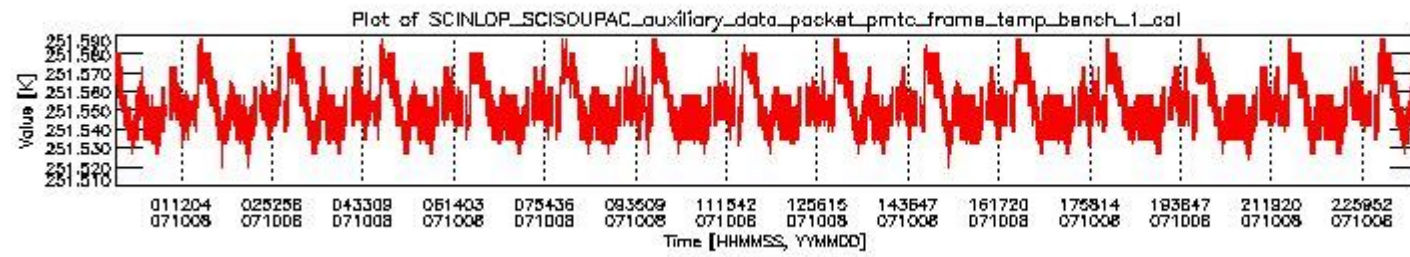
0.1.2 Summary per product

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

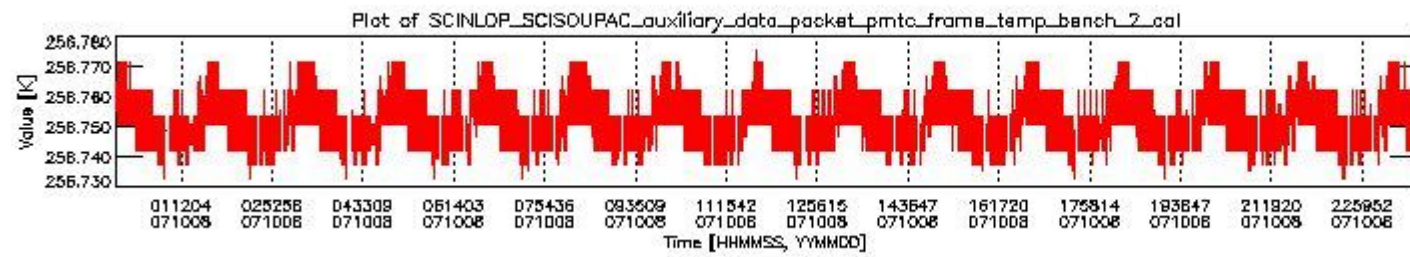
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20071007_231838_000061242062_00187_29299_5326.N1	07OCT2007 23:18:38	08OCT2007 01:00:42	0	0	0	0	0
1	SCI_NL__OPNPDE20071008_005959_000043912062_00188_29300_5327.N1	08OCT2007 00:59:59	08OCT2007 02:13:09	0	0	0	0	0
2	SCI_NL__OPNPDE20071008_021309_000059682062_00189_29301_5328.N1	08OCT2007 02:13:09	08OCT2007 03:52:37	0	0	0	0	0
3	SCI_NL__OPNPDE20071008_035237_000059812062_00190_29302_5329.N1	08OCT2007 03:52:37	08OCT2007 05:32:18	0	0	0	0	0
4	SCI_NL__OPNPDE20071008_053218_000060922062_00191_29303_5330.N1	08OCT2007 05:32:18	08OCT2007 07:13:50	0	0	0	0	0
5	SCI_NL__OPNPDK20071008_071350_000041142062_00192_29304_6288.N1	08OCT2007 07:13:50	08OCT2007 08:22:24	0	0	0	0	0
6	SCI_NL__OPNPDK20071008_082020_000062172062_00193_29305_6289.N1	08OCT2007 08:20:20	08OCT2007 10:03:57	0	0	0	0	0
7	SCI_NL__OPNPDK20071008_100152_000060492062_00194_29306_6290.N1	08OCT2007 10:01:52	08OCT2007 11:42:41	0	0	0	0	0
8	SCI_NL__OPNPDK20071008_114037_000060922062_00195_29307_6291.N1	08OCT2007 11:40:37	08OCT2007 13:22:09	0	0	0	0	0
9	SCI_NL__OPNPDK20071008_132101_000059812062_00196_29308_6292.N1	08OCT2007 13:21:01	08OCT2007 15:00:41	0	0	0	0	0
10	SCI_NL__OPNPDK20071008_145837_000057312062_00197_29309_6293.N1	08OCT2007 14:58:37	08OCT2007 16:34:08	0	0	0	0	0
11	SCI_NL__OPNPDK20071008_163408_000060372062_00198_29310_6294.N1	08OCT2007 16:34:08	08OCT2007 18:14:44	0	0	0	0	0
12	SCI_NL__OPNPDK20071008_181251_000061492062_00199_29311_6295.N1	08OCT2007 18:12:51	08OCT2007 19:55:21	0	0	0	0	0
13	SCI_NL__OPNPDE20071008_195328_000040422062_00200_29312_5331.N1	08OCT2007 19:53:28	08OCT2007 21:00:50	0	0	0	0	0
14	SCI_NL__OPNPDE20071008_210050_000064232062_00200_29312_5332.N1	08OCT2007 21:00:50	08OCT2007 22:47:52	0	0	0	0	0
15	SCI_NL__OPNPDE20071008_224708_000060362062_00201_29313_5333.N1	08OCT2007 22:47:08	09OCT2007 00:27:45	0	0	0	0	0

0.2 Product Quality Indicators

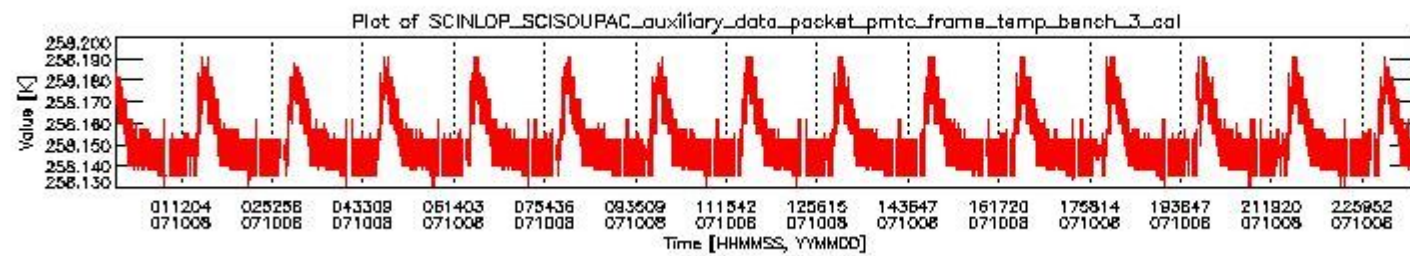
This section shows information about product quality, currently temperatures.



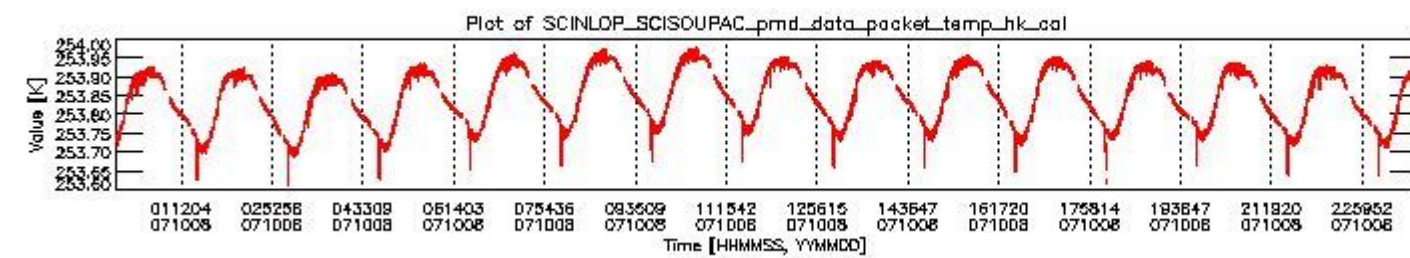
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071008_0.PNG



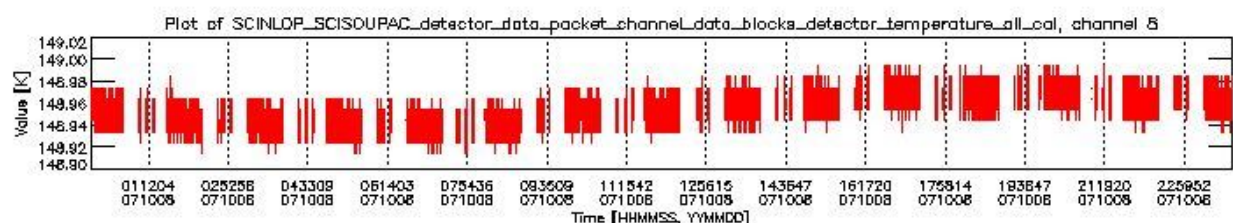
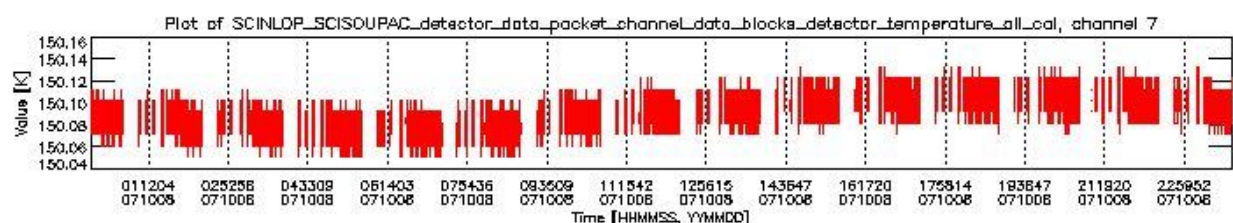
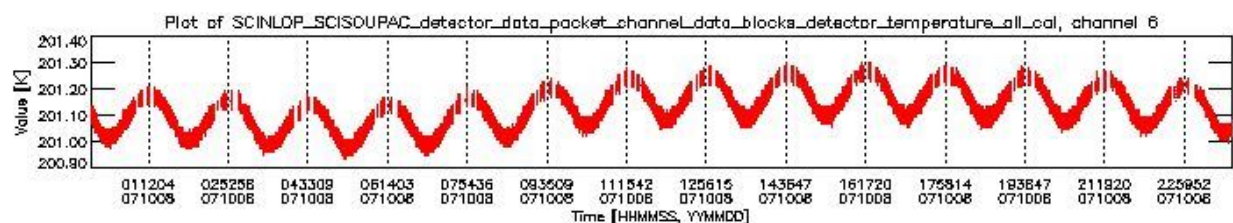
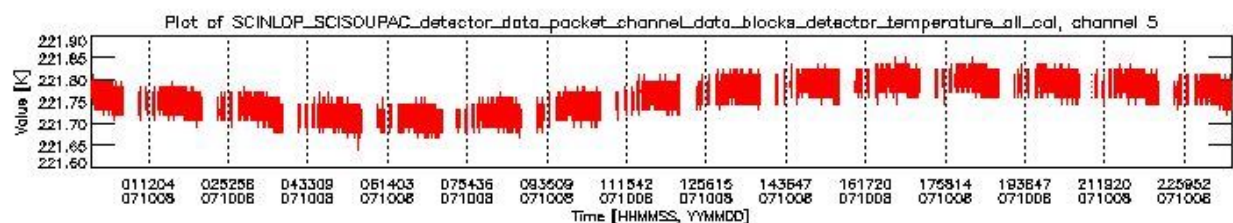
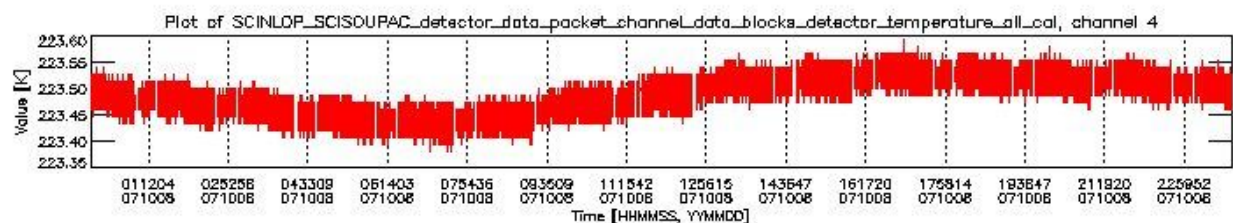
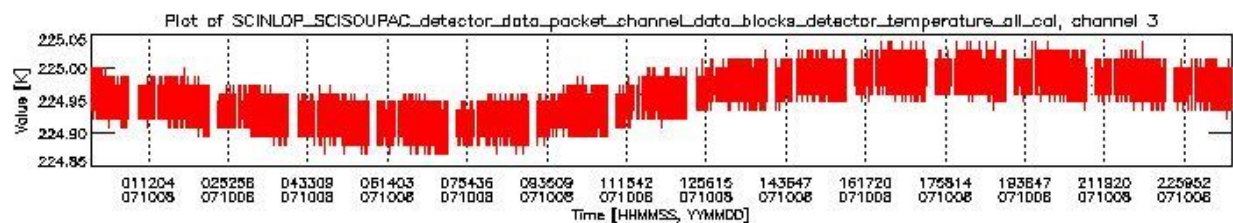
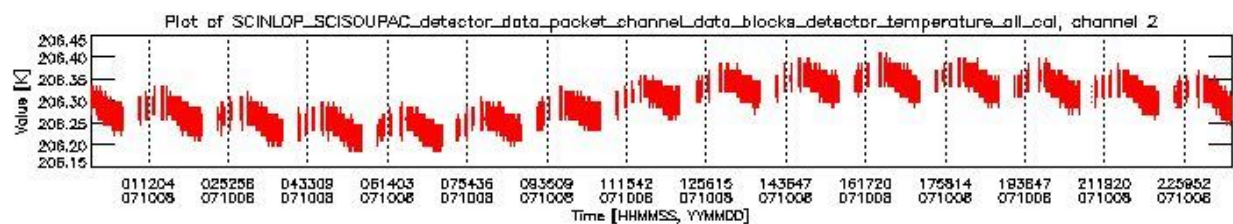
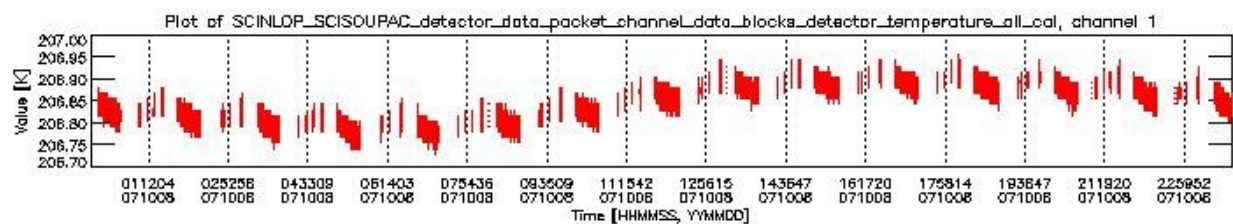
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071008_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071008_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071008_3.PNG

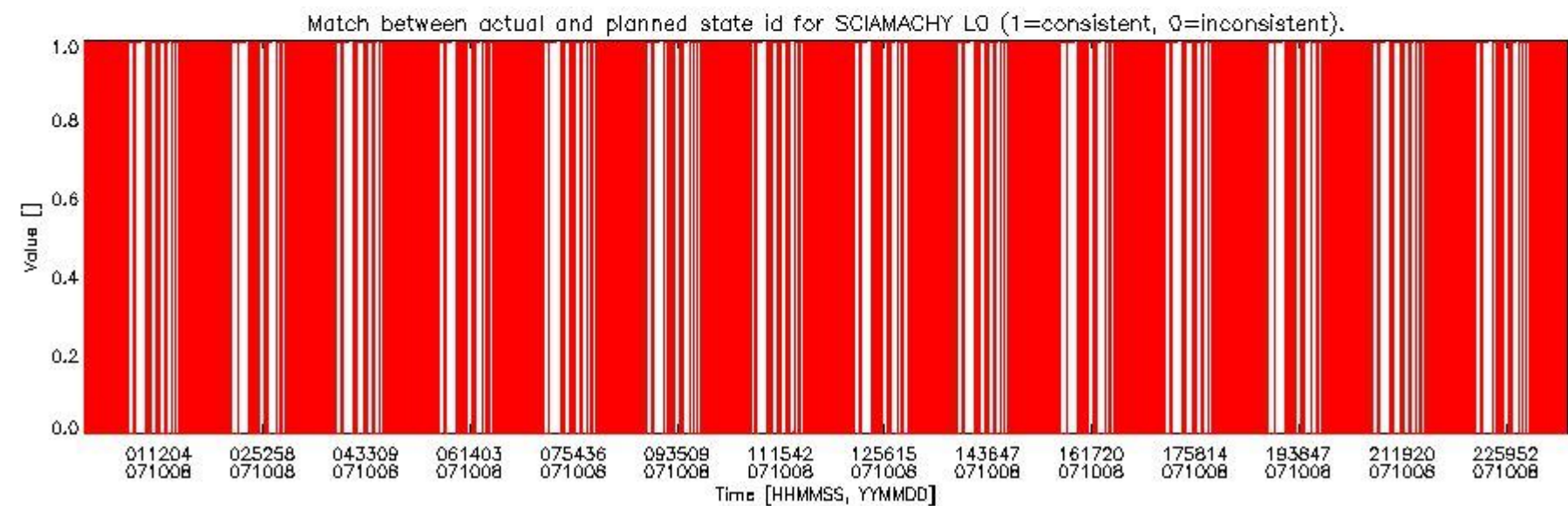
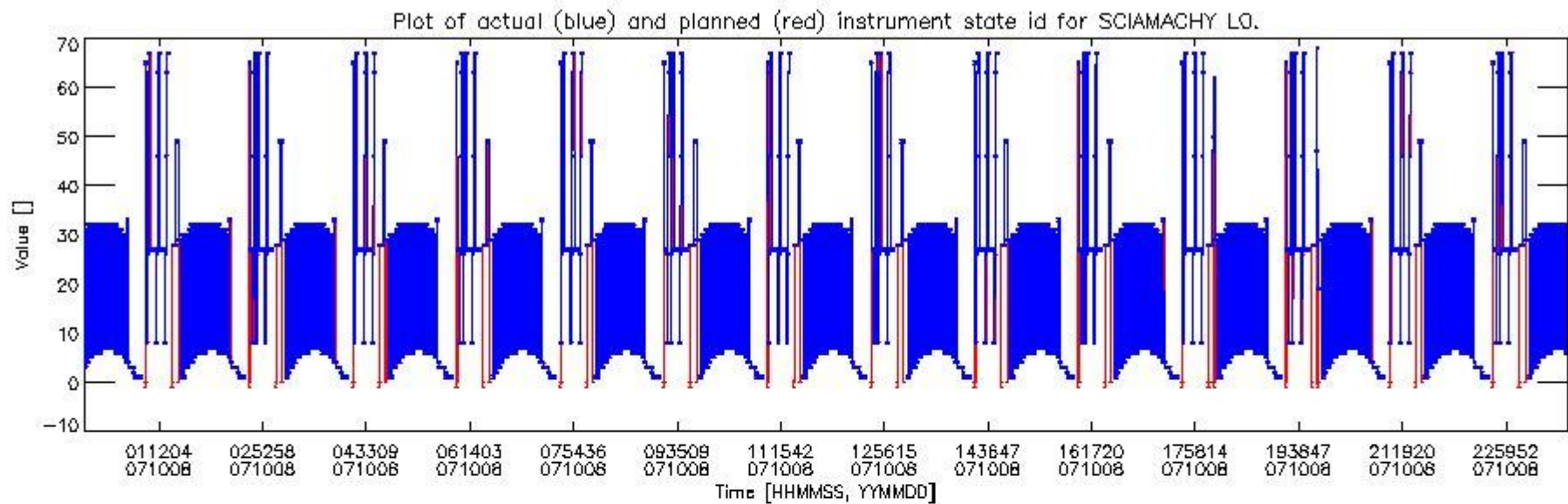


0.3 State monitoring

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: **31195**

#	Actual time	Actual value	Planned time	Planned value
0	08OCT2007 00:00:18.416637	3	08OCT2007 00:00:18.416637	31
1	08OCT2007 00:00:18.666646	3	08OCT2007 00:00:18.666646	31
2	08OCT2007 00:00:18.791650	3	08OCT2007 00:00:18.791650	31
3	08OCT2007 00:00:18.916655	3	08OCT2007 00:00:18.916655	31
4	08OCT2007 00:00:19.041659	3	08OCT2007 00:00:19.041659	31
5	08OCT2007 00:00:19.166663	3	08OCT2007 00:00:19.166663	31
6	08OCT2007 00:00:19.291668	3	08OCT2007 00:00:19.291668	31
7	08OCT2007 00:00:19.416632	3	08OCT2007 00:00:19.416632	31
8	08OCT2007 00:00:19.541636	3	08OCT2007 00:00:19.541636	31
9	08OCT2007 00:00:19.666640	3	08OCT2007 00:00:19.666640	31
10	08OCT2007 00:00:19.791645	3	08OCT2007 00:00:19.791645	31
11	08OCT2007 00:00:19.916649	3	08OCT2007 00:00:19.916649	31
12	08OCT2007 00:00:20.041654	3	08OCT2007 00:00:20.041654	31
13	08OCT2007 00:00:20.166658	3	08OCT2007 00:00:20.166658	31
14	08OCT2007 00:00:20.291662	3	08OCT2007 00:00:20.291662	31
15	08OCT2007 00:00:20.416667	3	08OCT2007 00:00:20.416667	31
16	08OCT2007 00:00:20.541631	3	08OCT2007 00:00:20.541631	31
17	08OCT2007 00:00:20.666635	3	08OCT2007 00:00:20.666635	31
18	08OCT2007 00:00:20.791639	3	08OCT2007 00:00:20.791639	31
19	08OCT2007 00:00:20.916644	3	08OCT2007 00:00:20.916644	31

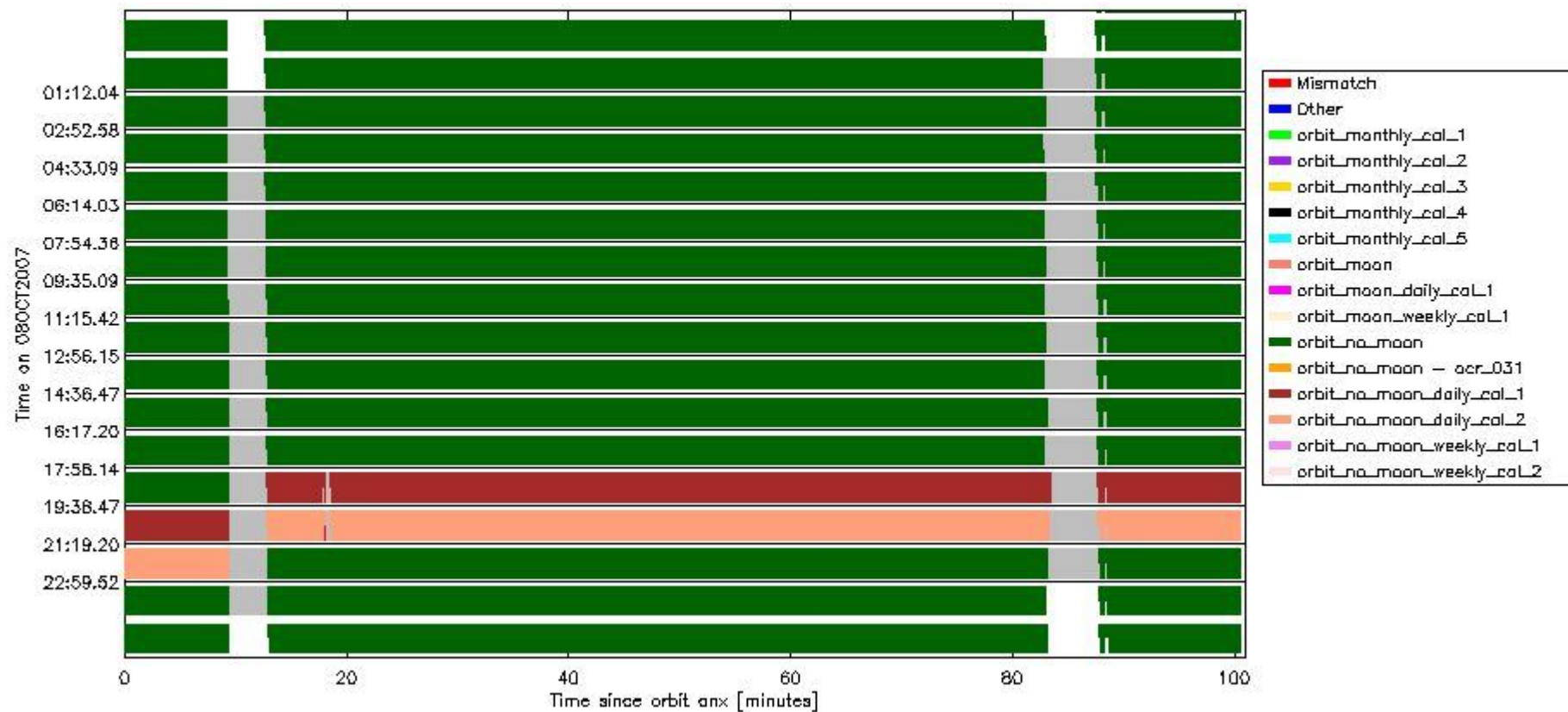


sciamachy_daily_report_level0_KSPT_L0_4302_N_20071008_5.PNG

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 08OCT2007.
 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_20071008_6.PNG

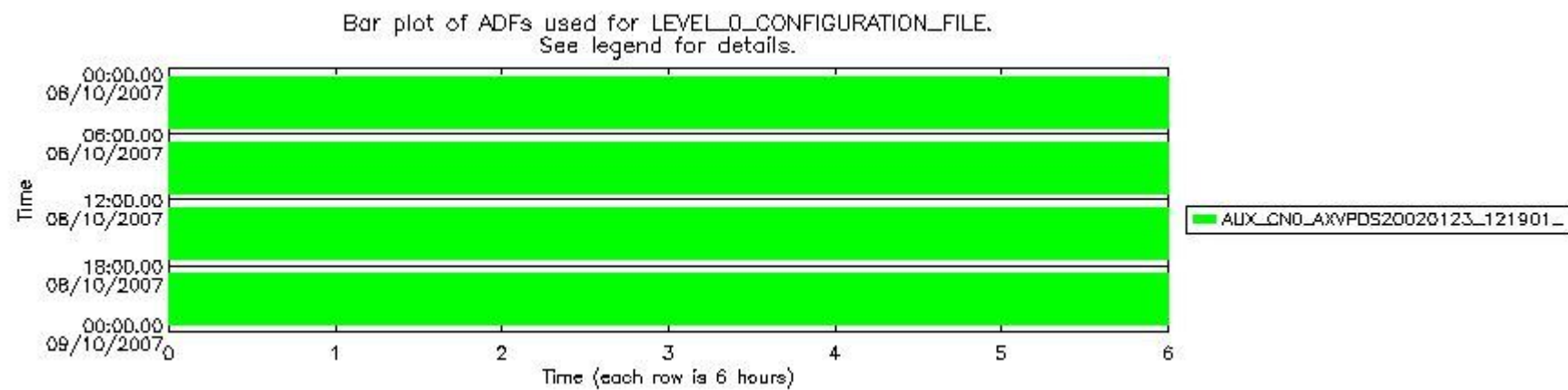
0.4 ADF monitoring

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

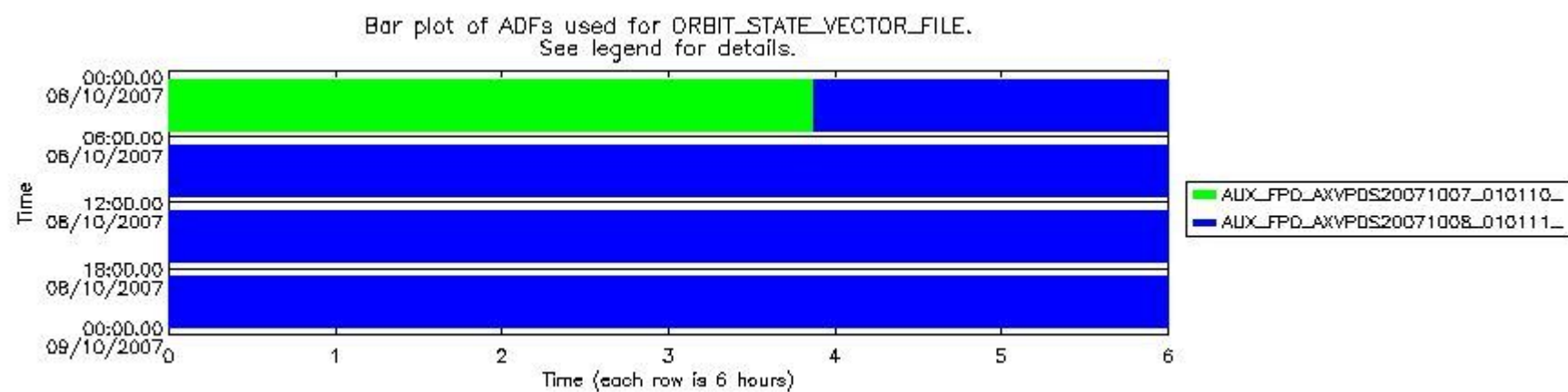
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

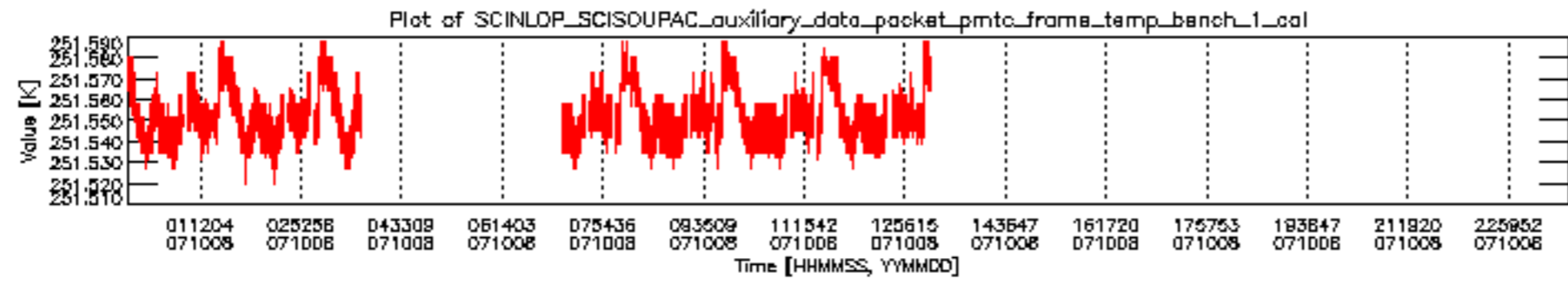
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20071007_010110_20071006_190120_20071016_202734
2	AUX_FPO_AXVPDS20071008_010111_20071007_182943_20071017_213633

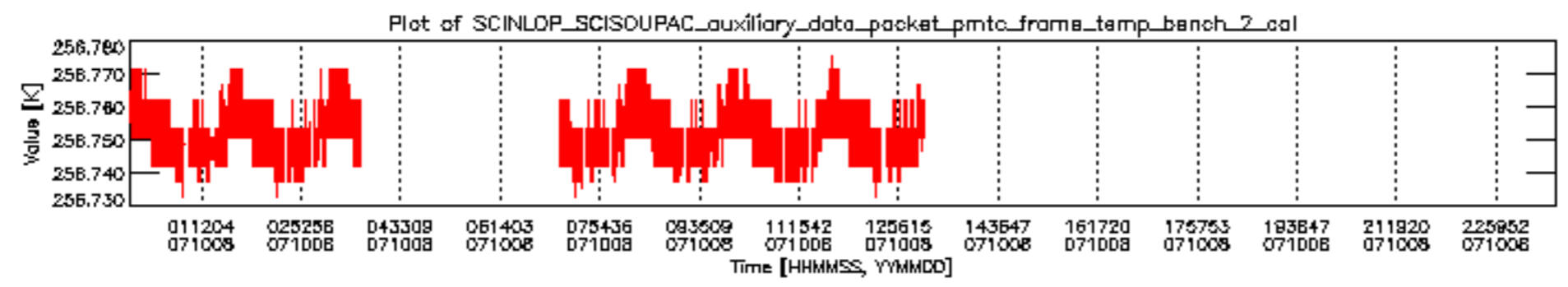


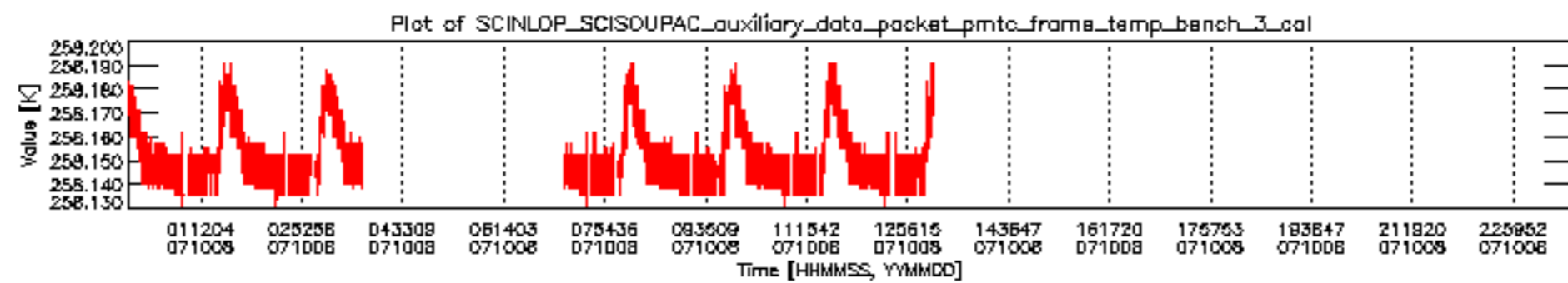
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071008_7.PNG

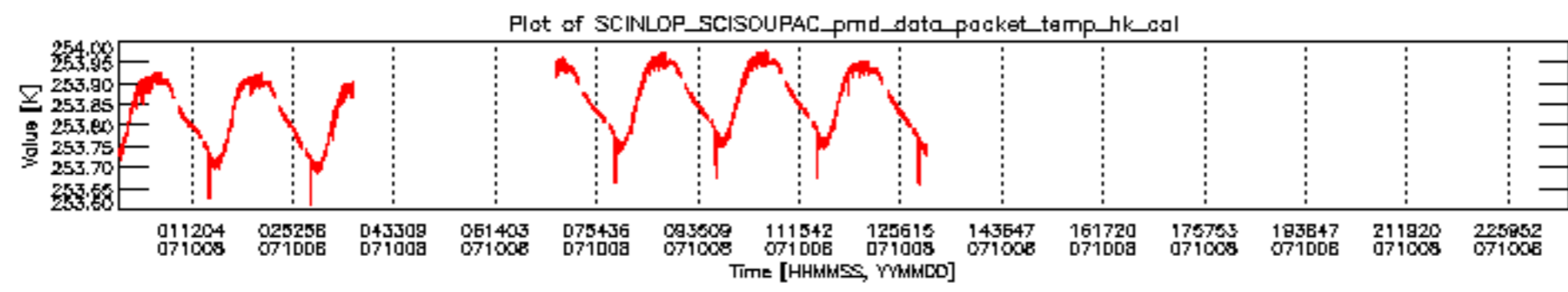


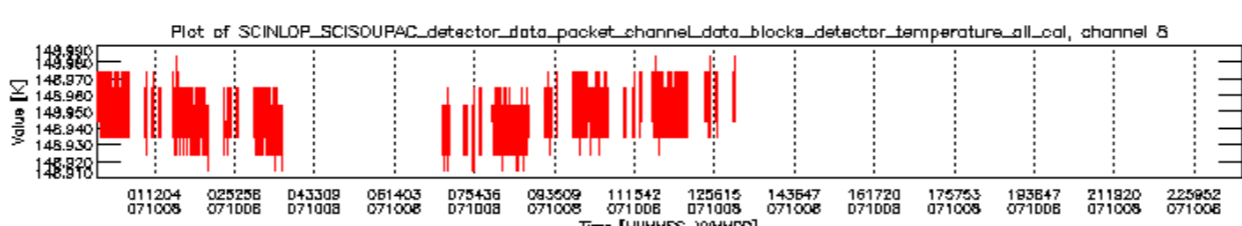
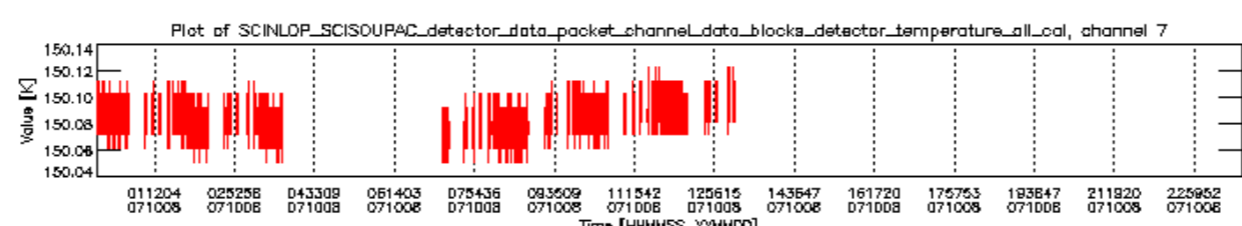
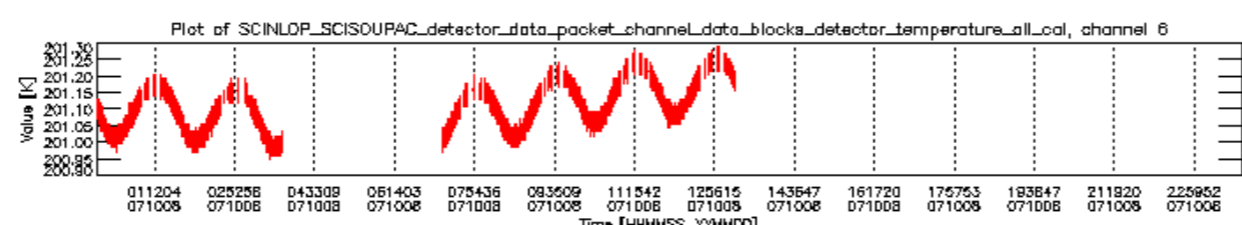
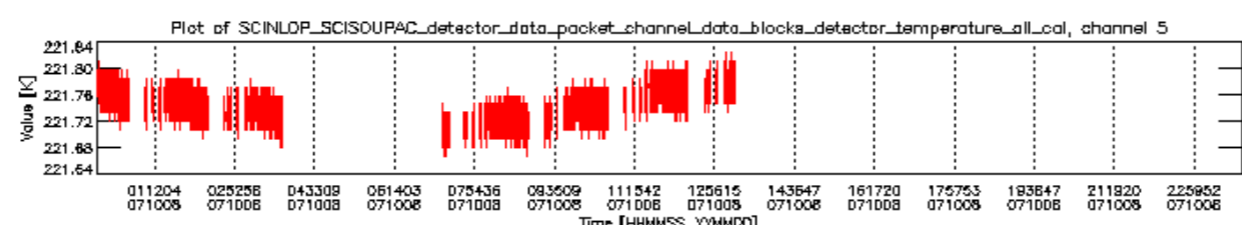
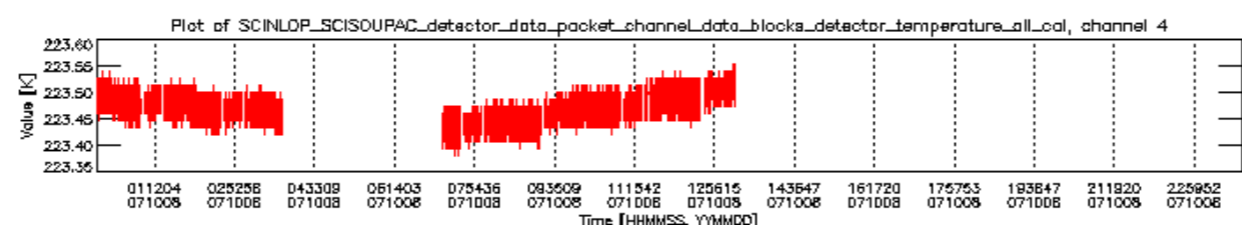
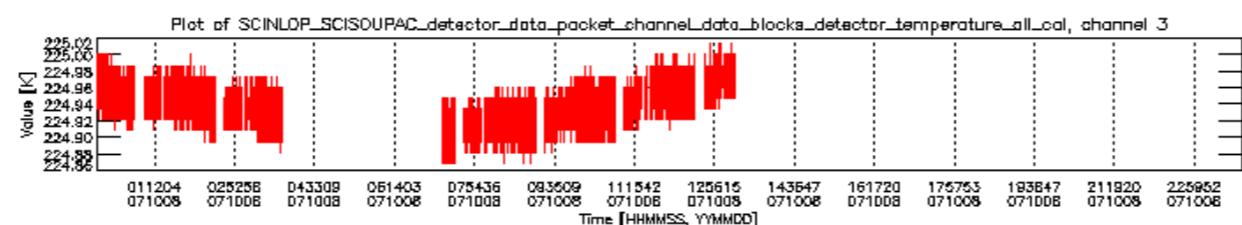
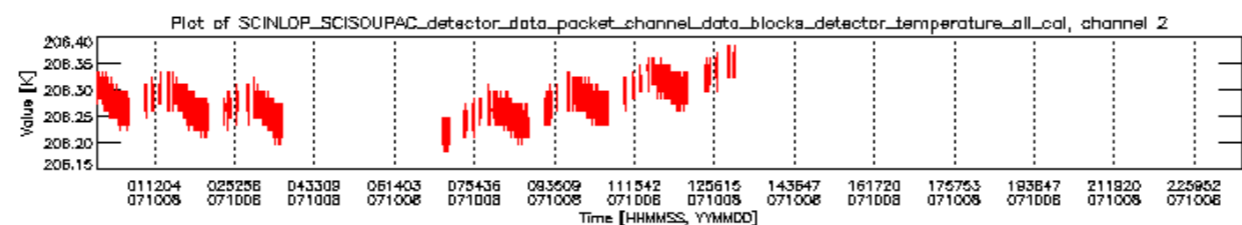
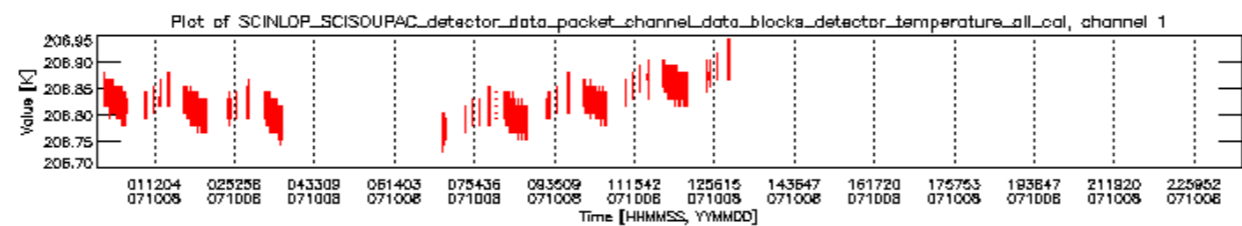
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071008_8.PNG

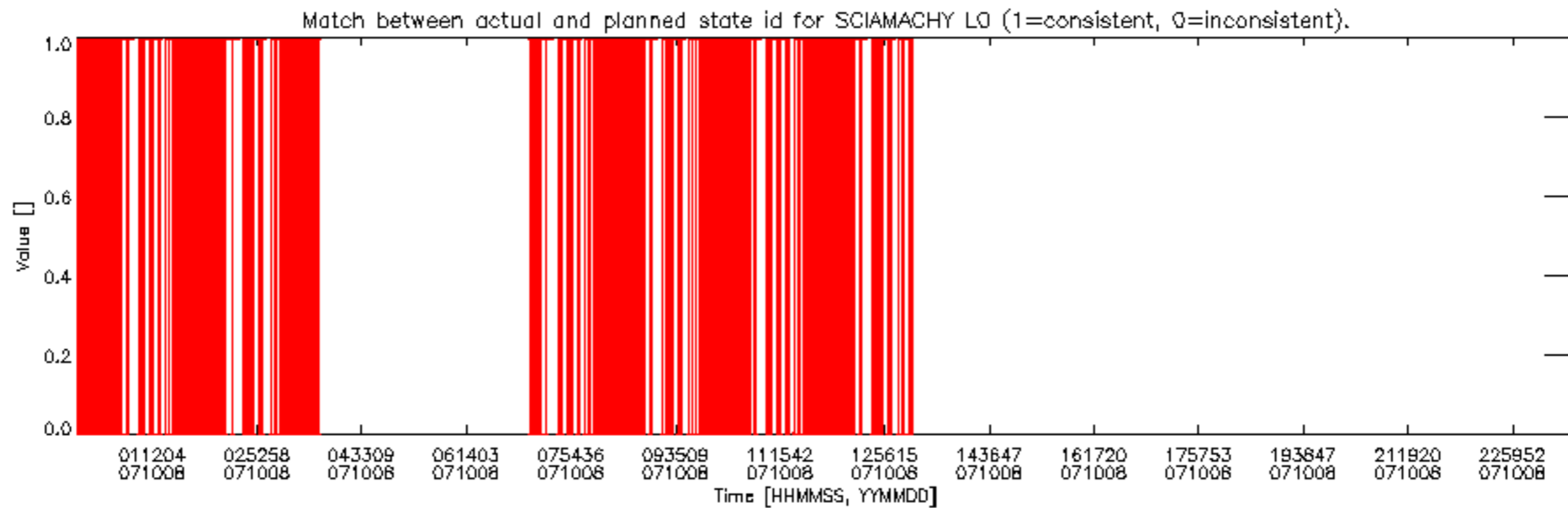
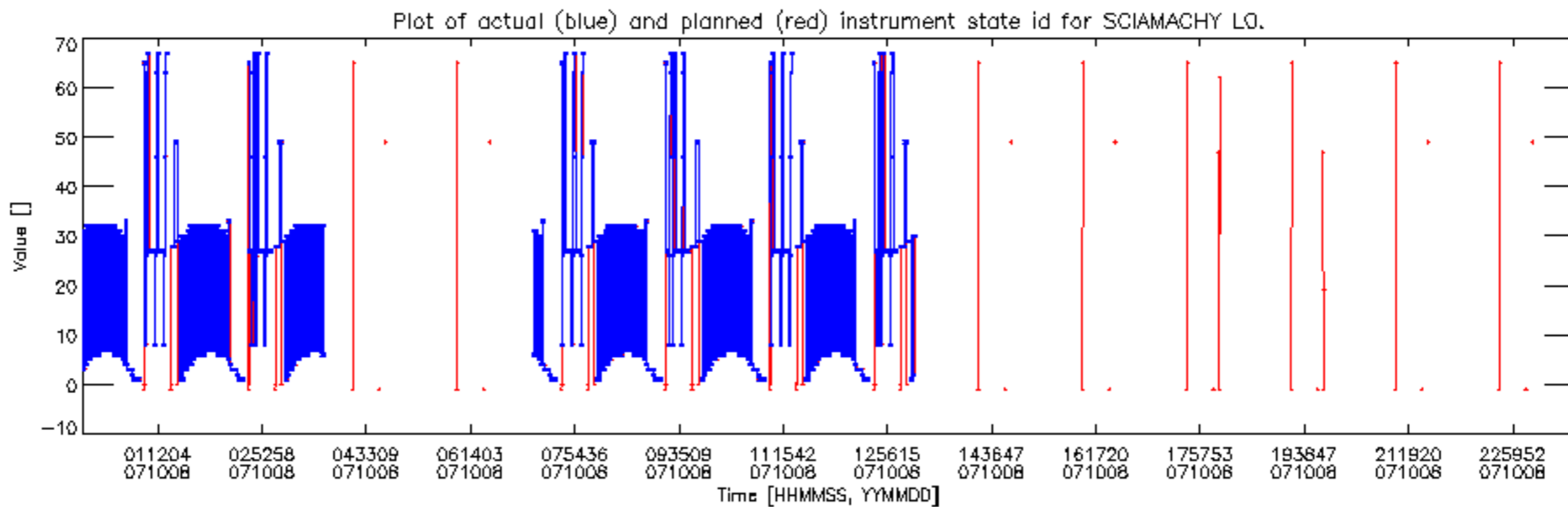




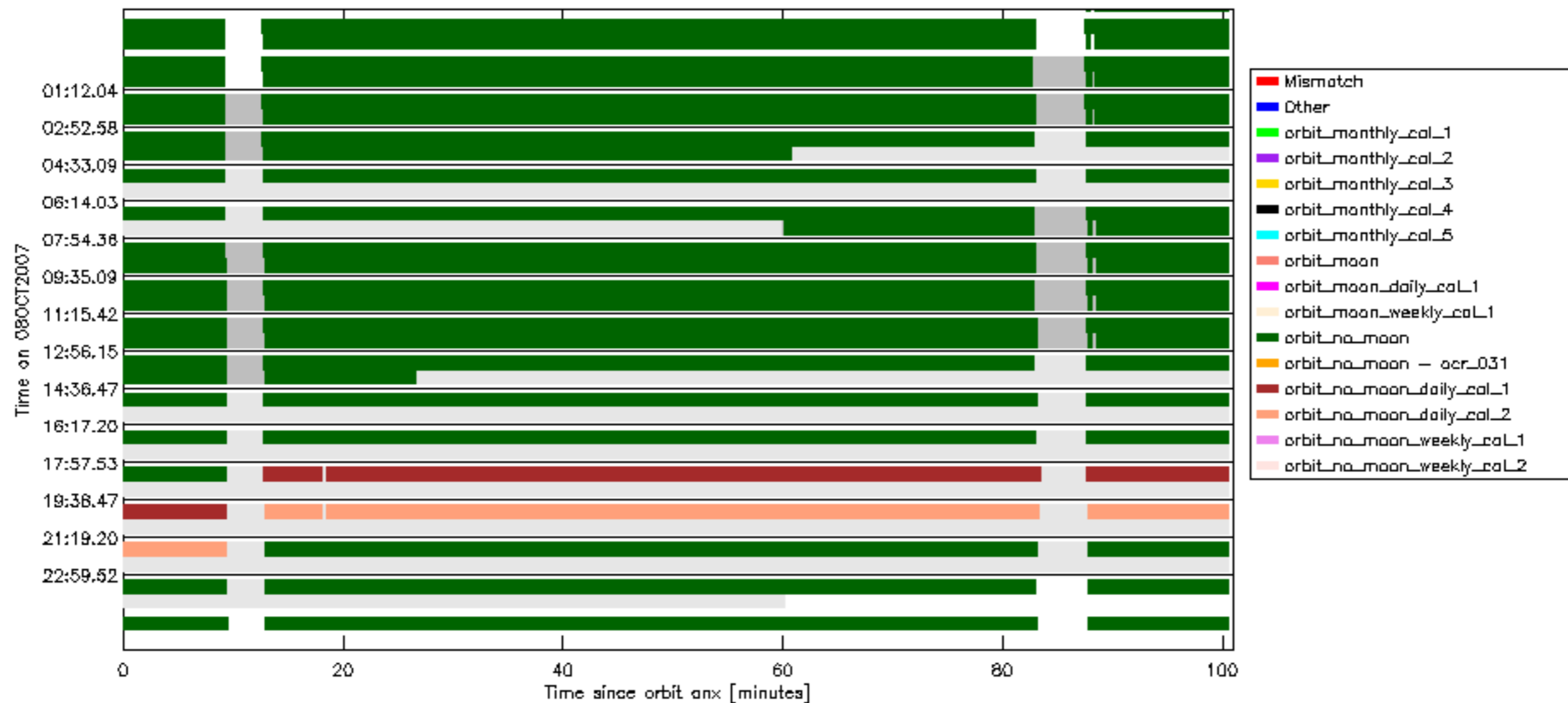


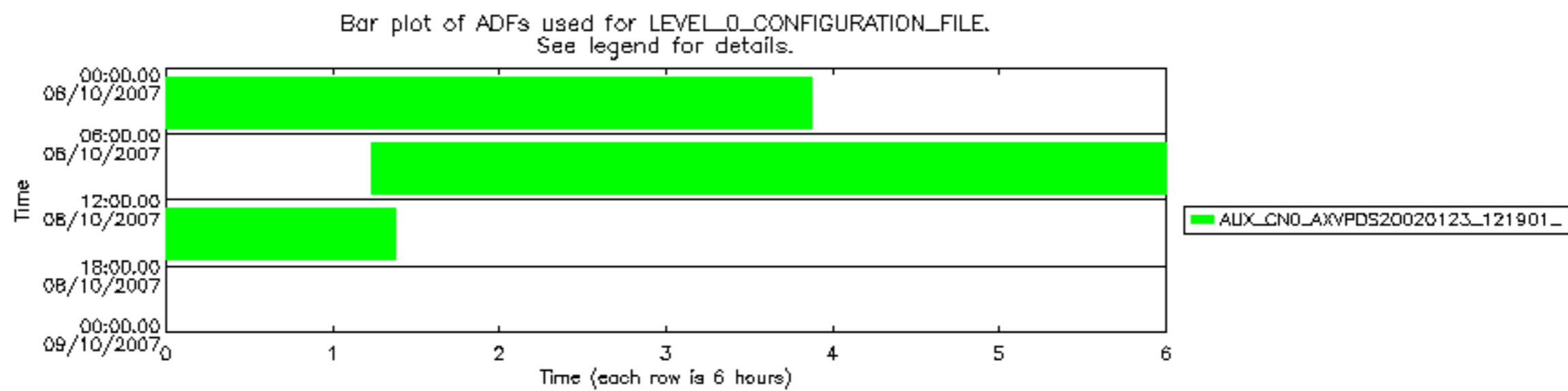


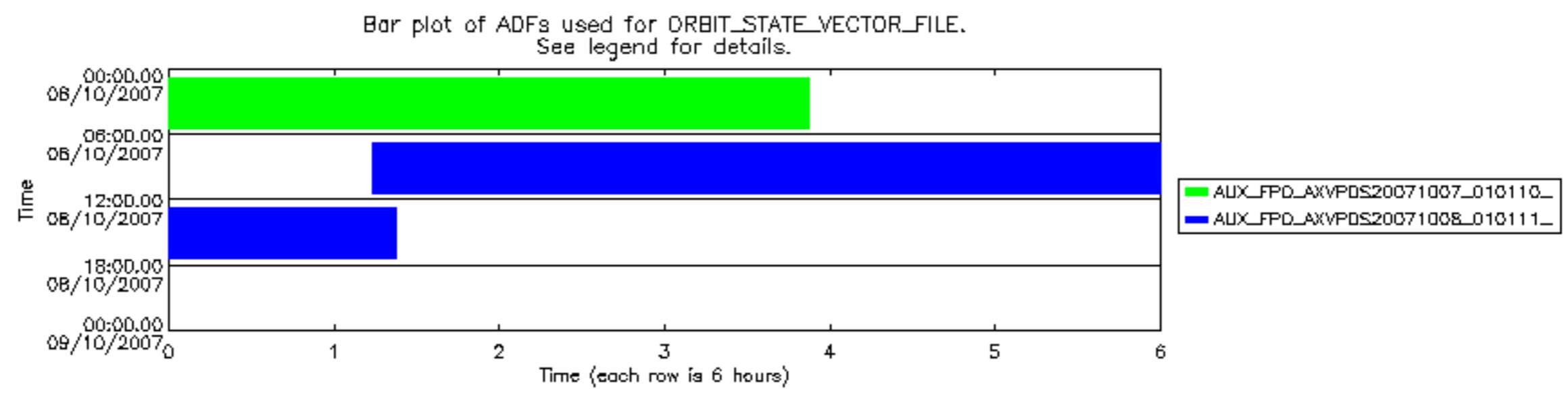


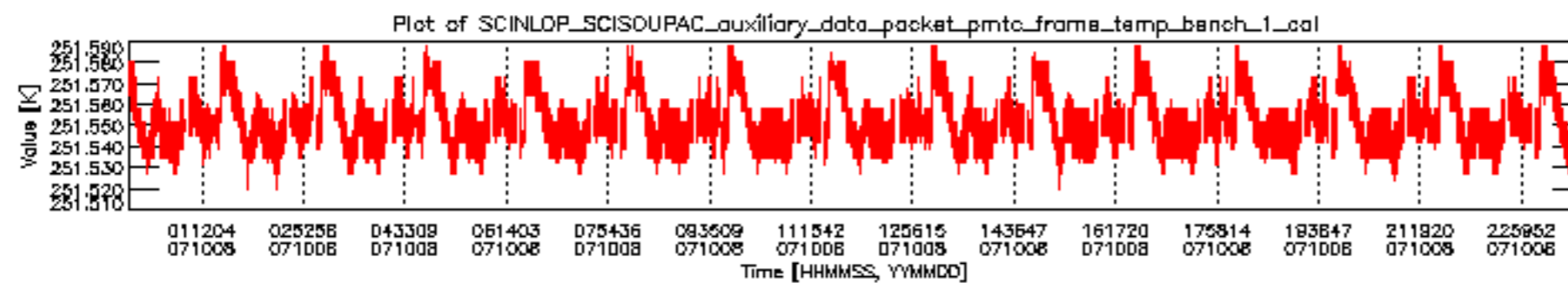


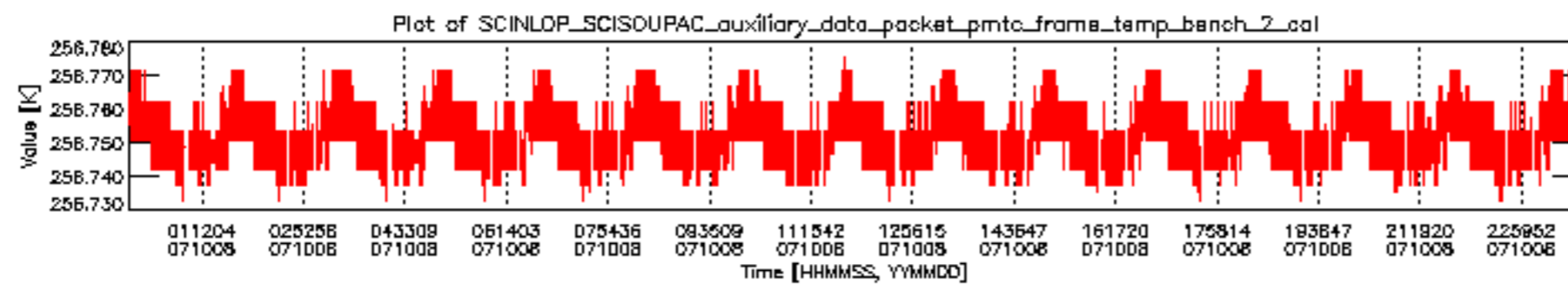
Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 08OCT2007.
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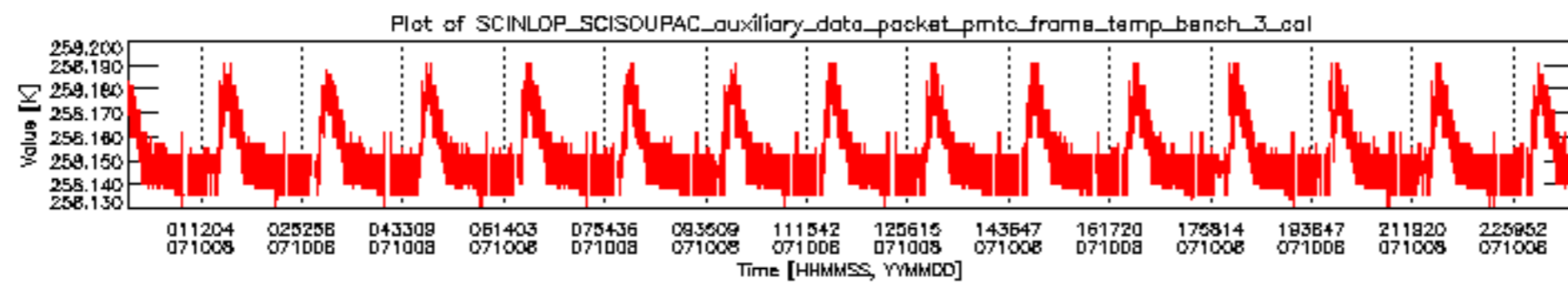


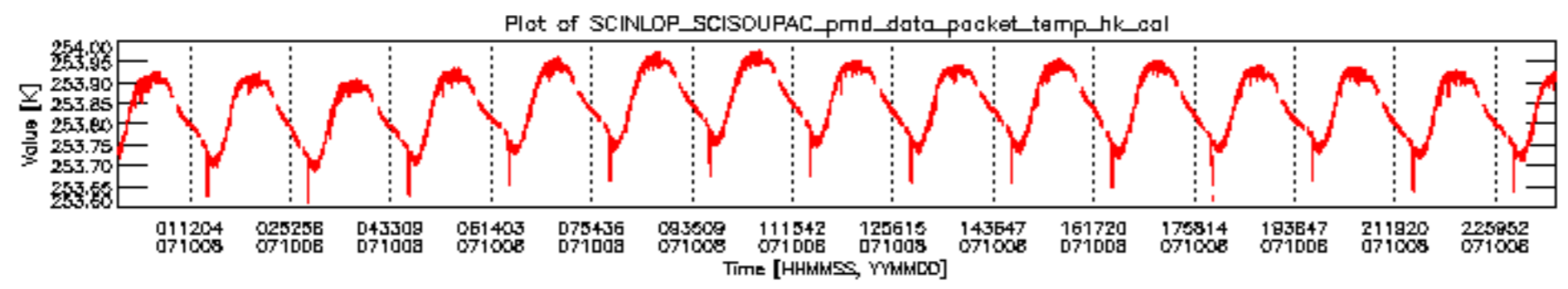


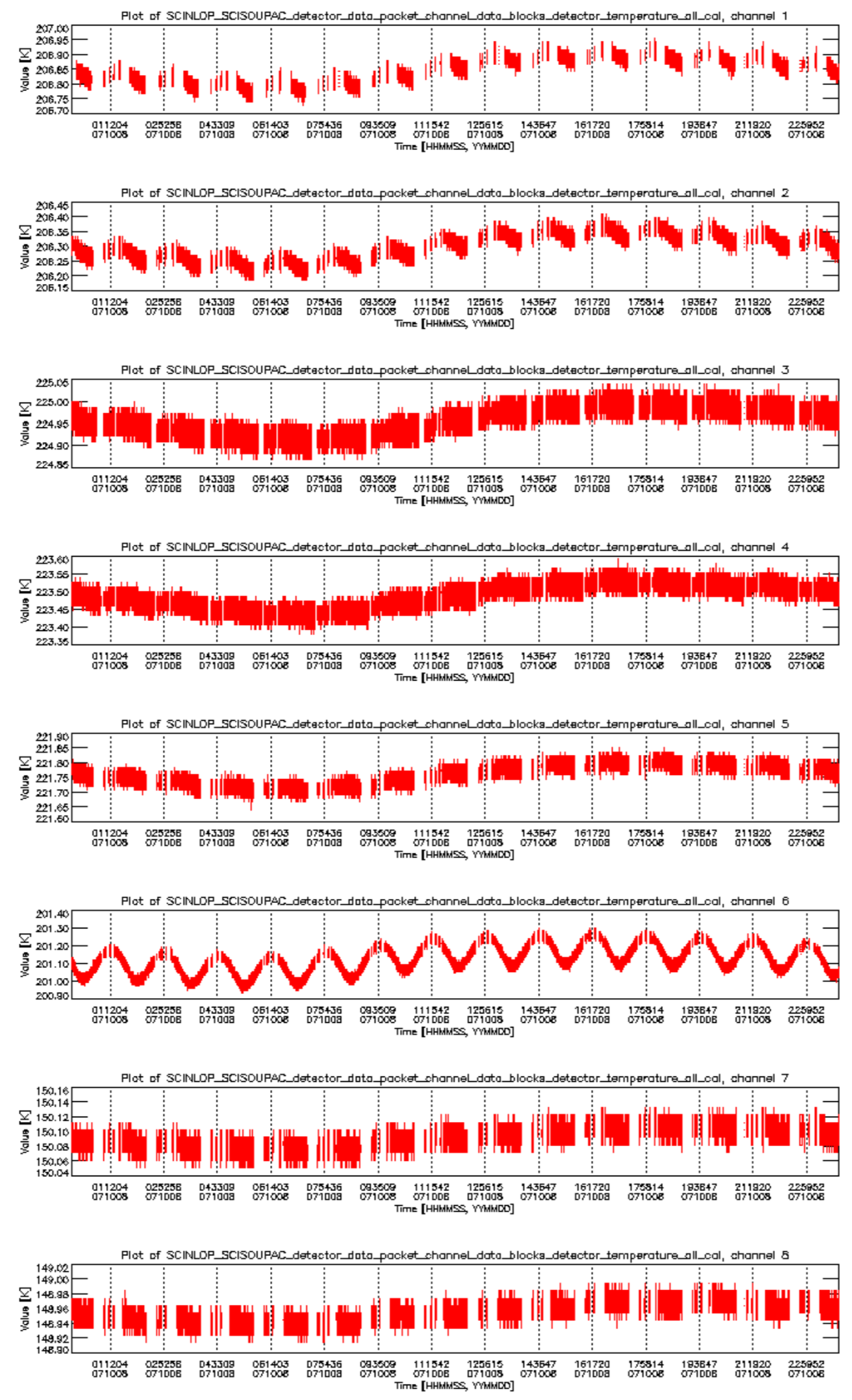












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 08OCT2007.
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