

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	13OCT2007 09:32:50
Data source version	KSPT_L0/4302-N
Processing scope for products	09OCT2007 00:00:00 to 10OCT2007 00:00:00
Start time of first product within scope	08OCT2007 22:47:08
Stop time of last product within scope	10OCT2007 01:36:51
Total number of level 0 products	16
Number of level 0 products with errors	0

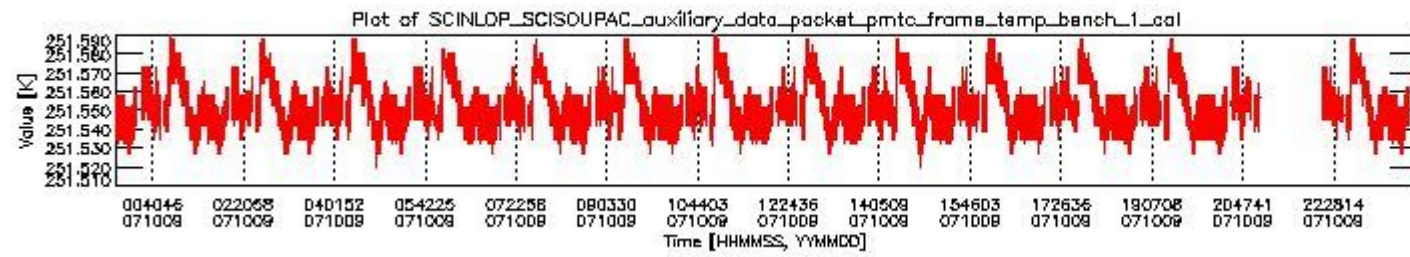
0.1.2 Summary per product

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

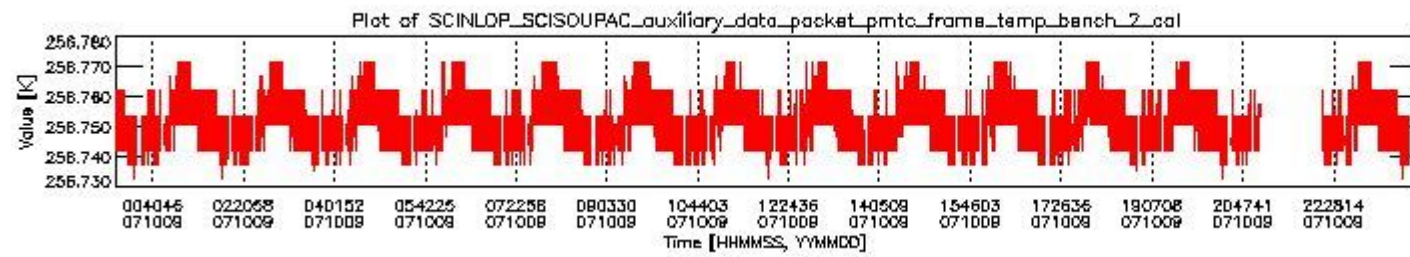
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20071008_224708_000060362062_00201_29313_5333.N1	08OCT2007 22:47:08	09OCT2007 00:27:45	0	0	0	0	0
1	SCI_NL__OPNPDE20071009_002745_000056872062_00202_29314_5334.N1	09OCT2007 00:27:45	09OCT2007 02:02:31	0	0	0	0	0
2	SCI_NL__OPNPDE20071009_020821_000043102062_00203_29315_5335.N1	09OCT2007 02:08:21	09OCT2007 03:20:12	0	0	0	0	0
3	SCI_NL__OPNPDE20071009_032012_000061612062_00204_29316_5336.N1	09OCT2007 03:20:12	09OCT2007 05:02:53	0	0	0	0	0
4	SCI_NL__OPNPDE20071009_050253_000060372062_00205_29317_5337.N1	09OCT2007 05:02:53	09OCT2007 06:43:29	0	0	0	0	0
5	SCI_NL__OPNPDK20071009_064220_000041142062_00206_29318_6296.N1	09OCT2007 06:42:20	09OCT2007 07:50:55	0	0	0	0	0
6	SCI_NL__OPNPDK20071009_074959_000061482062_00207_29319_6297.N1	09OCT2007 07:49:59	09OCT2007 09:32:27	0	0	0	0	0
7	SCI_NL__OPNPDK20071009_093227_000059812062_00208_29320_6298.N1	09OCT2007 09:32:27	09OCT2007 11:12:07	0	0	0	0	0
8	SCI_NL__OPNPDK20071009_111112_000060242062_00209_29321_6299.N1	09OCT2007 11:11:12	09OCT2007 12:51:35	0	0	0	0	0
9	SCI_NL__OPNPDK20071009_125039_000058562062_00210_29322_6300.N1	09OCT2007 12:50:39	09OCT2007 14:28:16	0	0	0	0	0
10	SCI_NL__OPNPDK20071009_142707_000059812062_00211_29323_6301.N1	09OCT2007 14:27:07	09OCT2007 16:06:48	0	0	0	0	0
11	SCI_NL__OPNPDK20071009_160456_000060162062_00212_29324_6302.N1	09OCT2007 16:04:56	09OCT2007 17:45:12	0	0	0	0	0
12	SCI_NL__OPNPDK20071009_174314_000060372062_00213_29325_6303.N1	09OCT2007 17:43:14	09OCT2007 19:23:51	0	0	0	0	0
13	SCI_NL__OPNPDK20071009_192351_000060362062_00214_29326_6304.N1	09OCT2007 19:23:51	09OCT2007 21:04:27	0	0	0	0	0
14	SCI_NL__OPNPDE20071009_221539_000060802062_00215_29327_5339.N1	09OCT2007 22:15:39	09OCT2007 23:56:59	0	0	0	0	0
15	SCI_NL__OPNPDE20071009_235615_000060362062_00216_29328_5340.N1	09OCT2007 23:56:15	10OCT2007 01:36:51	0	0	0	0	0

0.2 Product Quality Indicators

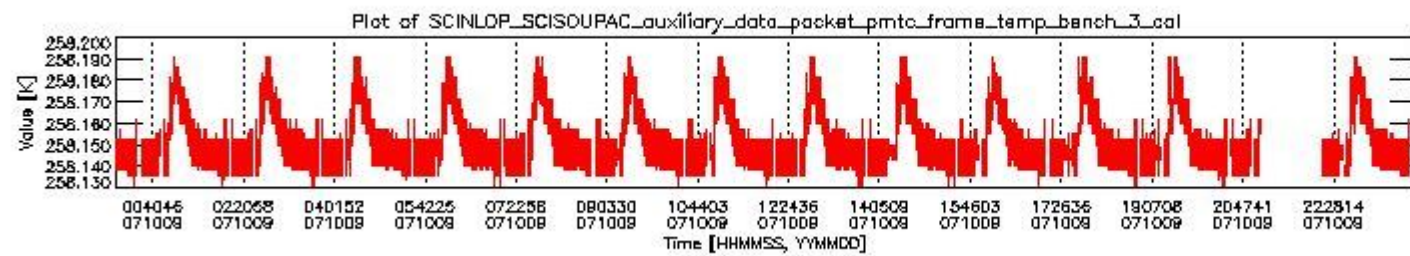
This section shows information about product quality, currently temperatures.



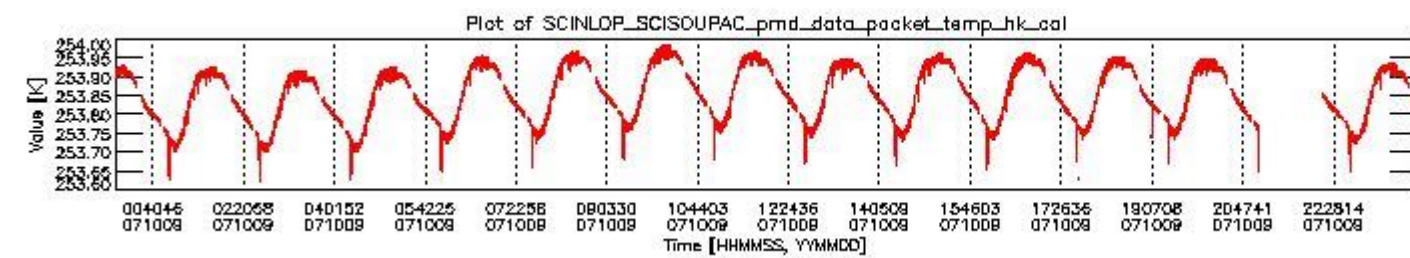
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071009_0.PNG



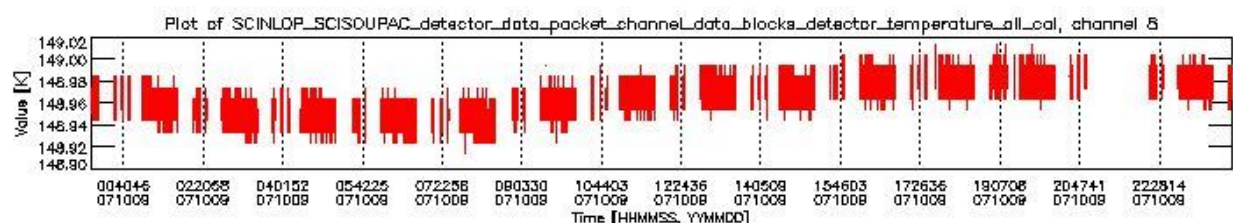
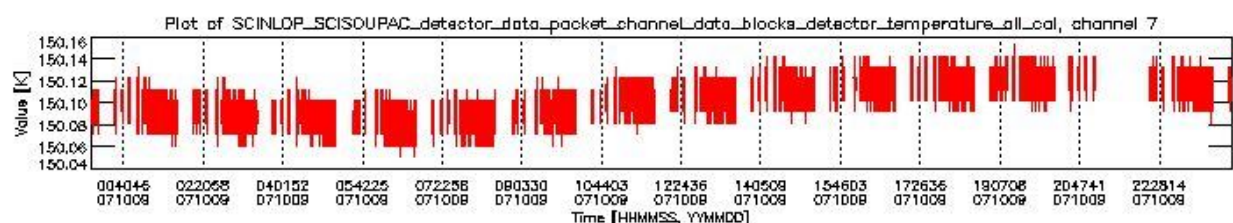
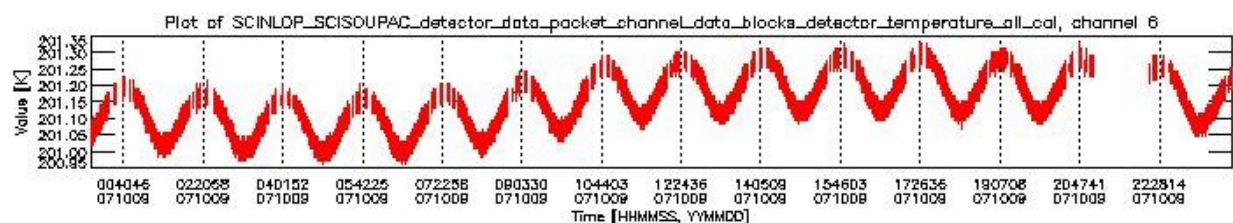
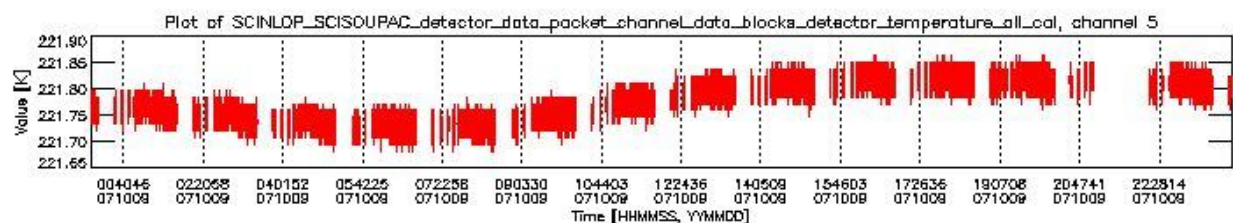
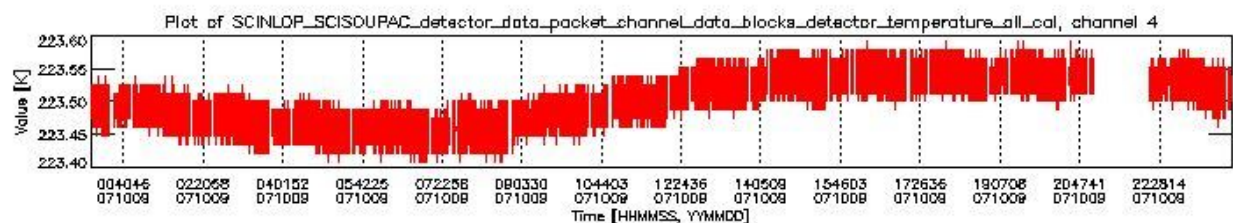
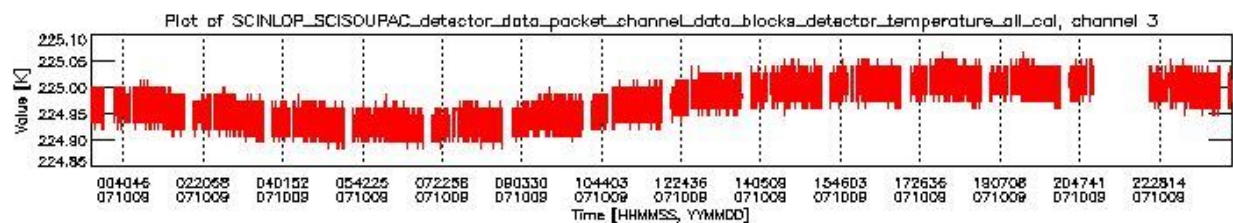
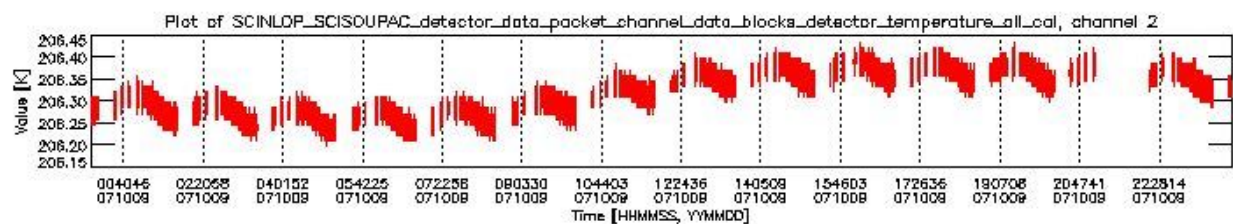
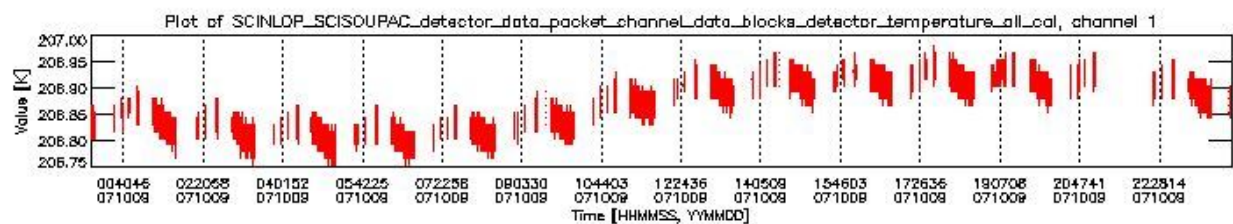
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sciamachy_daily_report_level0_KSPT_L0_4302_N_20071009_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071009_3.PNG

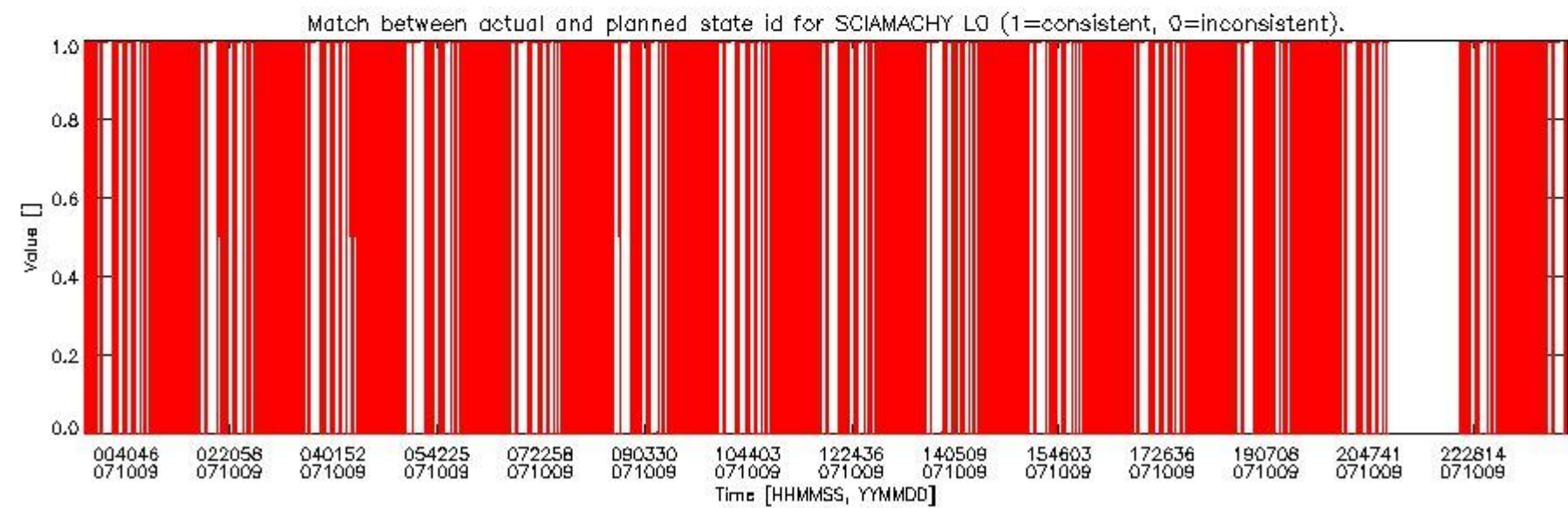
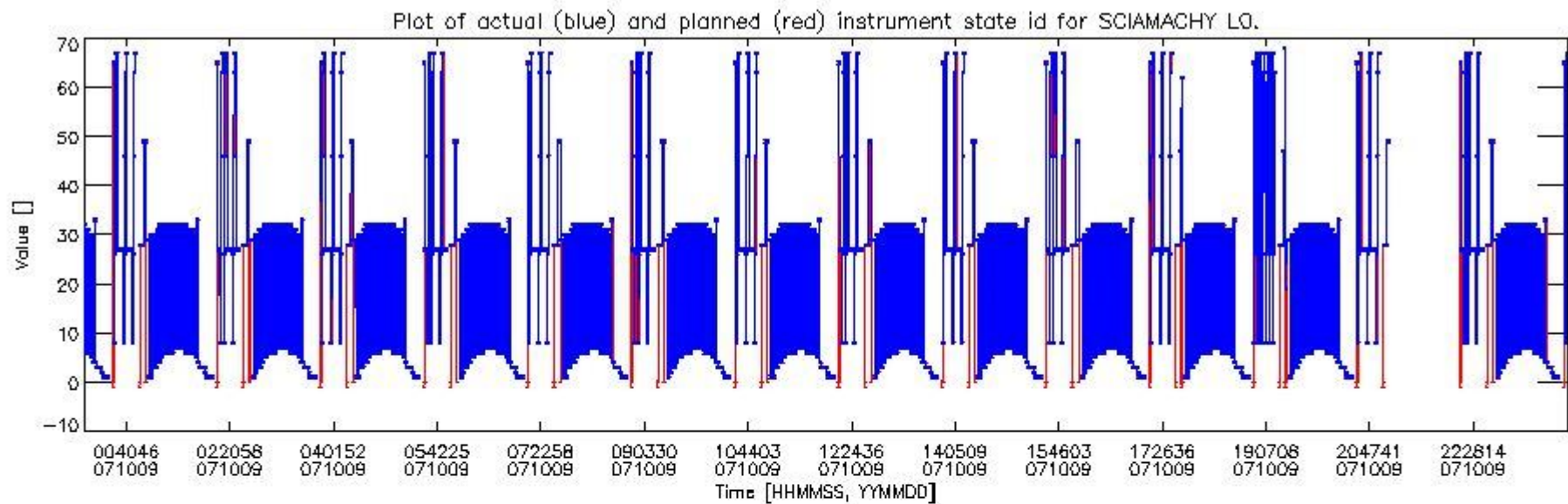


0.3 State monitoring

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: **29611**

#	Actual time	Actual value	Planned time	Planned value
0	09OCT2007 00:00:00.052263	6	09OCT2007 00:00:00.052263	32
1	09OCT2007 00:00:00.177267	6	09OCT2007 00:00:00.177267	32
2	09OCT2007 00:00:00.302272	6	09OCT2007 00:00:00.302272	32
3	09OCT2007 00:00:00.552280	6	09OCT2007 00:00:00.552280	32
4	09OCT2007 00:00:00.802289	6	09OCT2007 00:00:00.802289	32
5	09OCT2007 00:00:01.052257	6	09OCT2007 00:00:01.052257	32
6	09OCT2007 00:00:01.302266	6	09OCT2007 00:00:01.302266	32
7	09OCT2007 00:00:01.552275	6	09OCT2007 00:00:01.552275	32
8	09OCT2007 00:00:01.802284	6	09OCT2007 00:00:01.802284	32
9	09OCT2007 00:01:03.739787	31	09OCT2007 00:01:03.739787	6
10	09OCT2007 00:01:04.364769	31	09OCT2007 00:01:04.364769	6
11	09OCT2007 00:01:04.739782	31	09OCT2007 00:01:04.739782	6
12	09OCT2007 00:01:05.114754	31	09OCT2007 00:01:05.114754	6
13	09OCT2007 00:01:05.677254	31	09OCT2007 00:01:05.677254	6
14	09OCT2007 00:01:06.052267	31	09OCT2007 00:01:06.052267	6
15	09OCT2007 00:01:06.427280	31	09OCT2007 00:01:06.427280	6
16	09OCT2007 00:01:06.802253	31	09OCT2007 00:01:06.802253	6
17	09OCT2007 00:01:07.364752	31	09OCT2007 00:01:07.364752	6
18	09OCT2007 00:01:07.739765	31	09OCT2007 00:01:07.739765	6
19	09OCT2007 00:01:08.114778	31	09OCT2007 00:01:08.114778	6

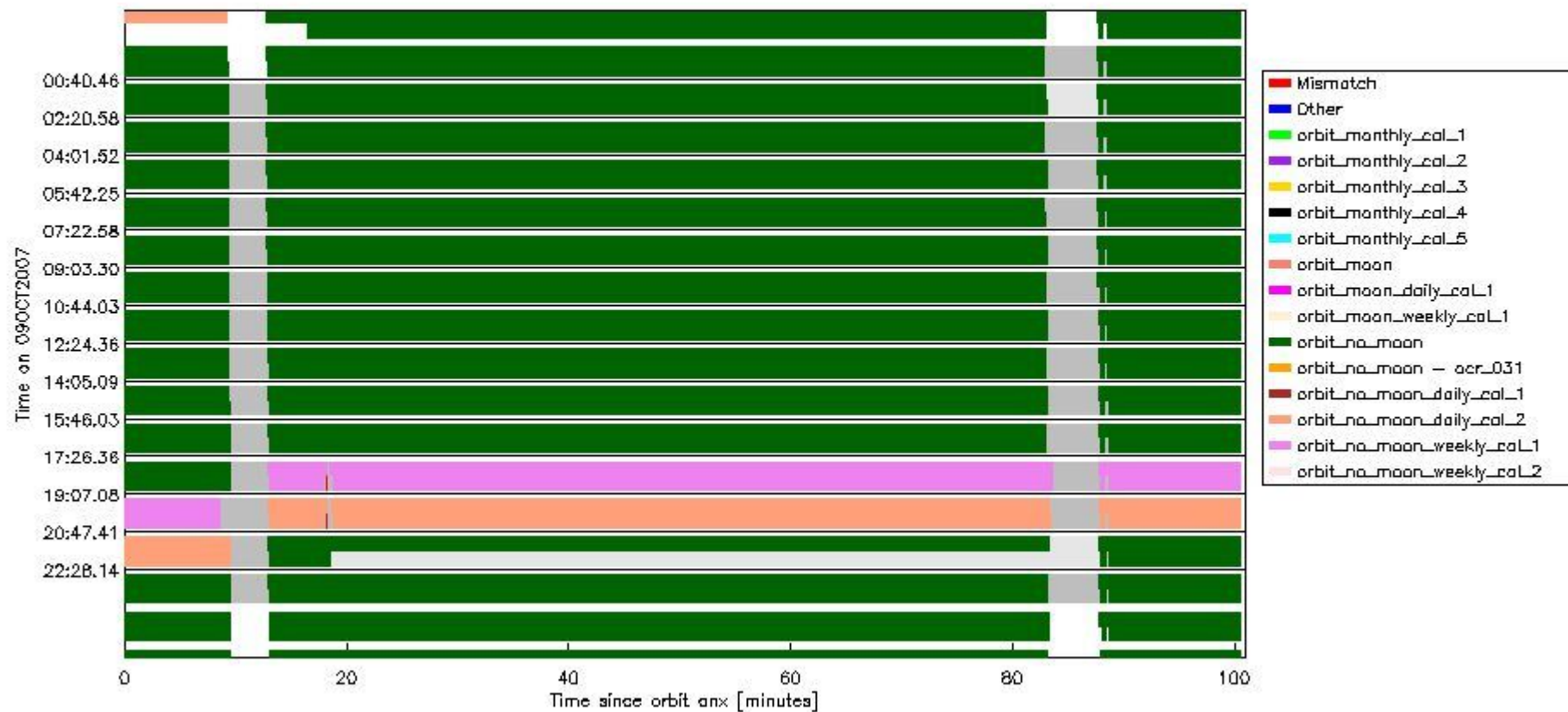


sciamachy_daily_report_level0_KSPT_L0_4302_N_20071009_5.PNG

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 09OCT2007.
 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_20071009_6.PNG

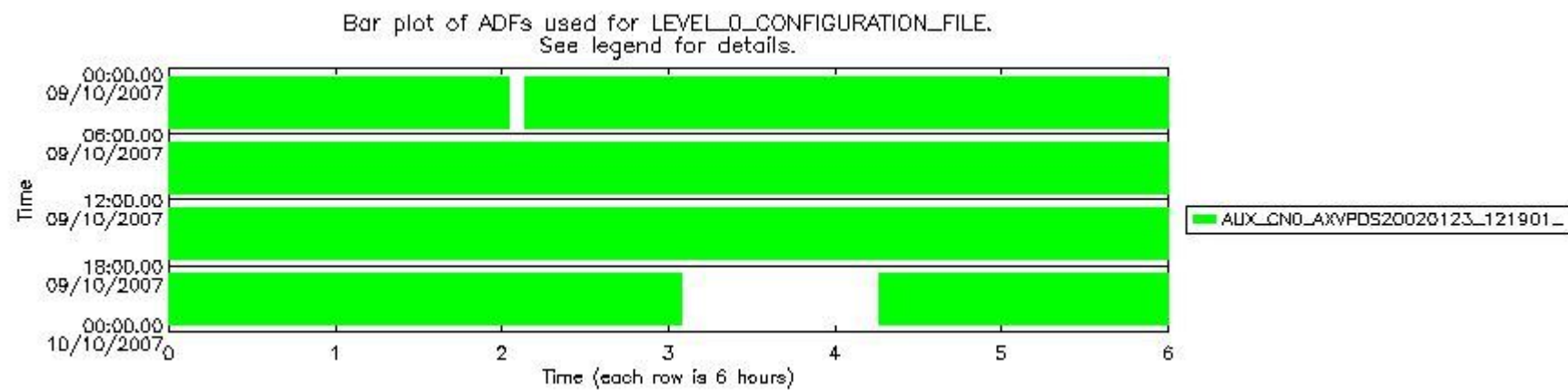
0.4 ADF monitoring

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

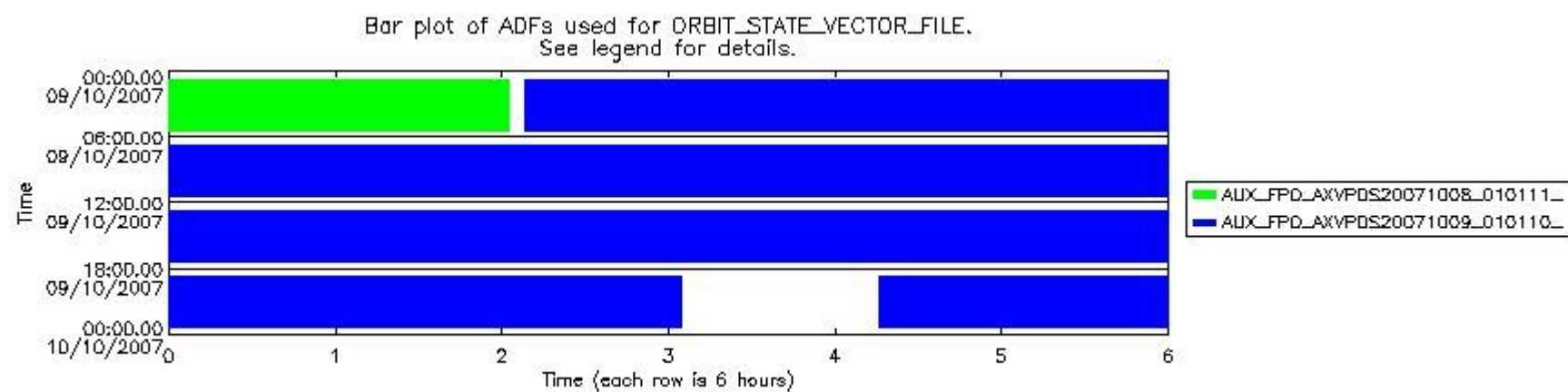
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

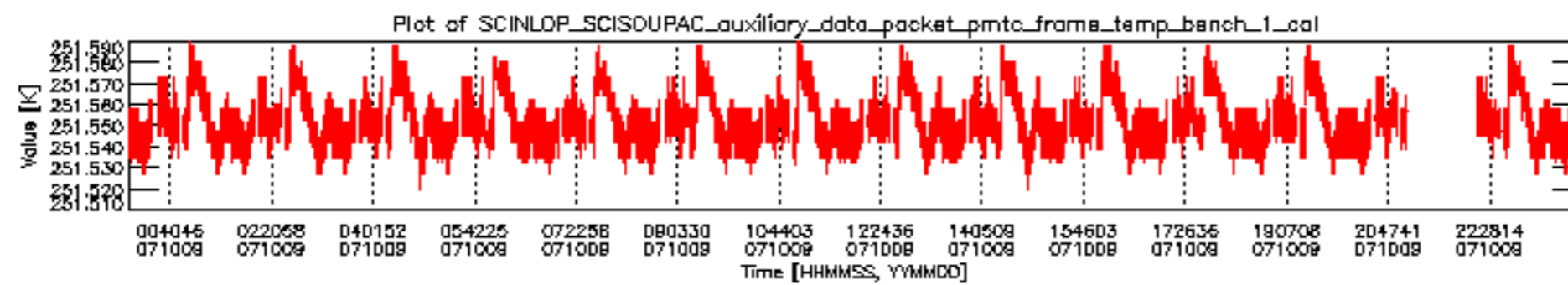
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20071008_010111_20071007_182943_20071017_213633
2	AUX_FPO_AXVPDS20071009_010110_20071008_193842_20071018_210456

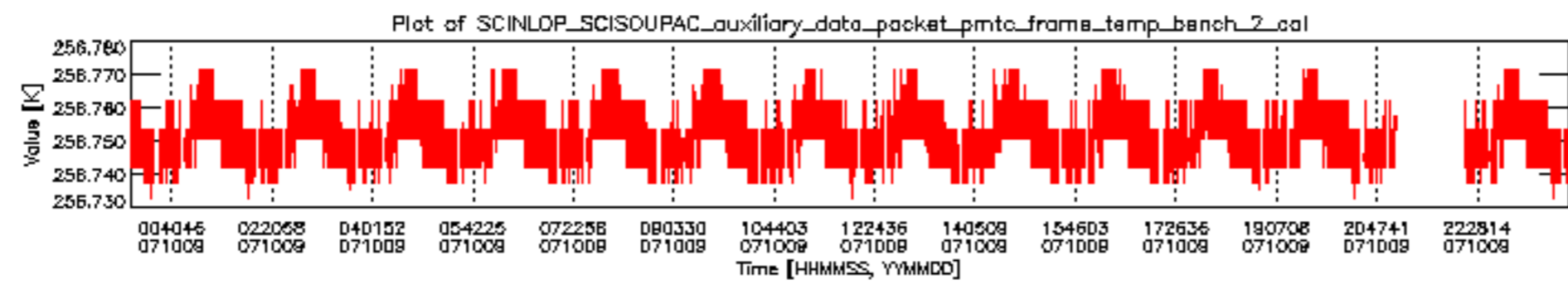


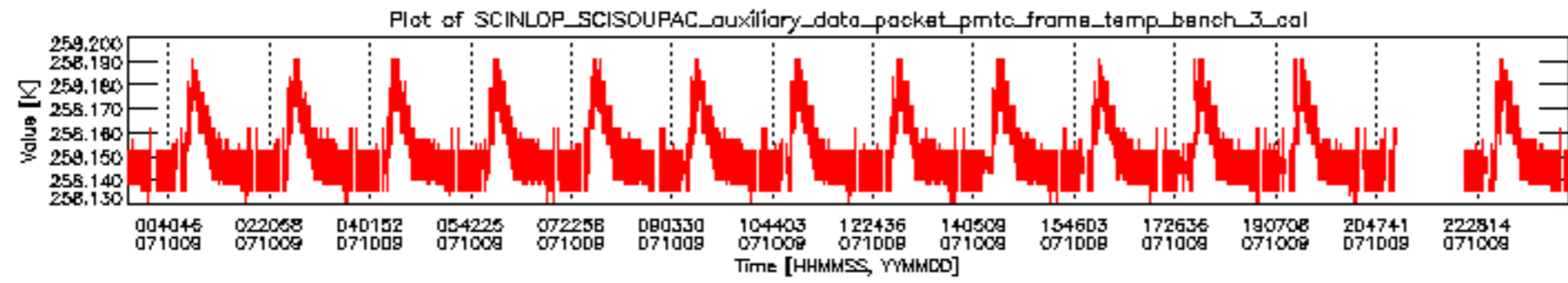
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071009_7.PNG

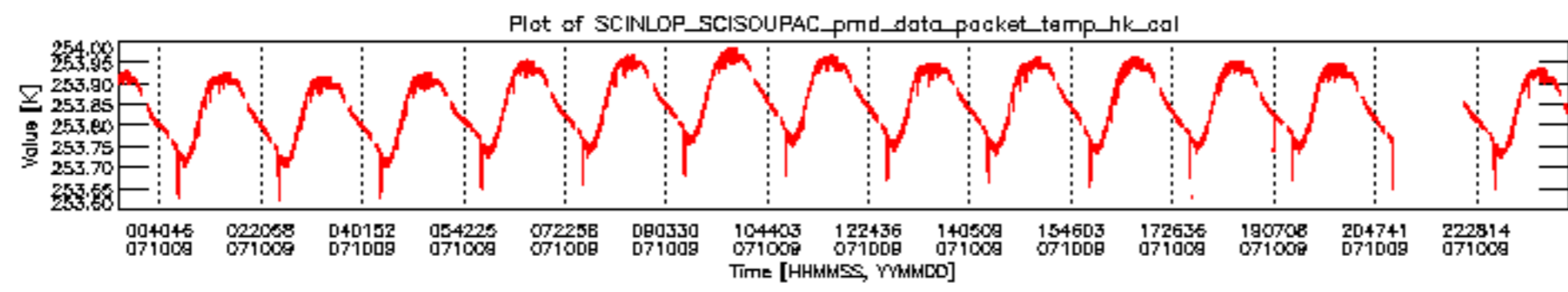


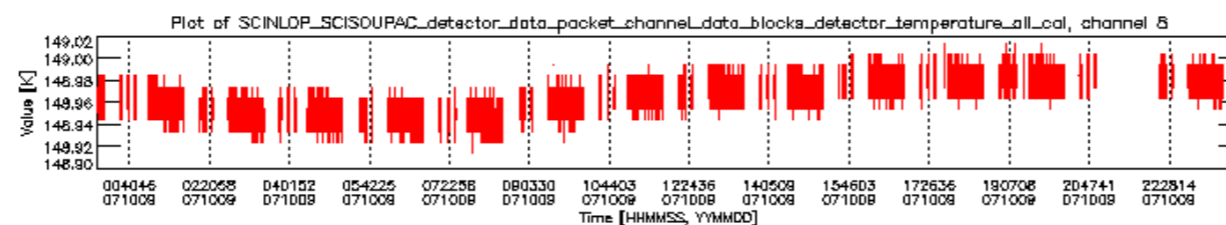
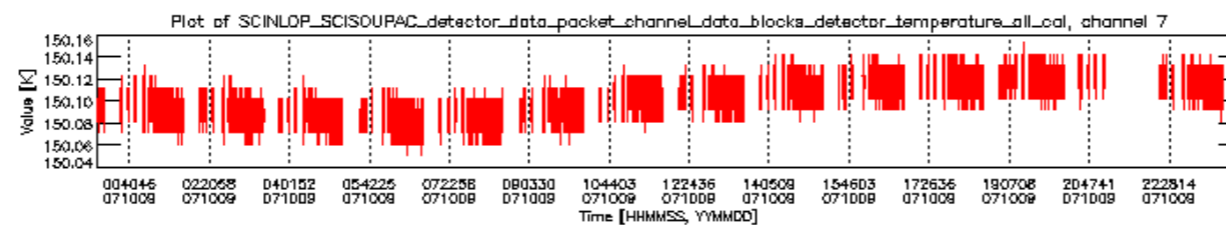
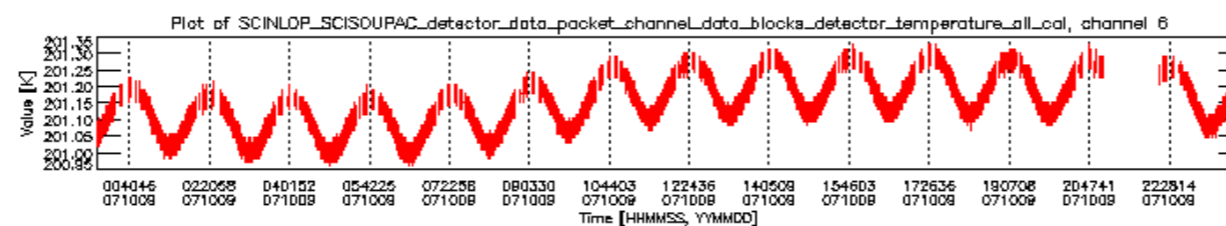
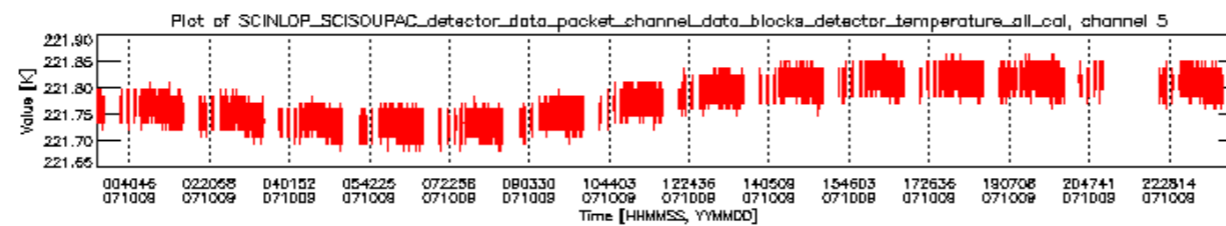
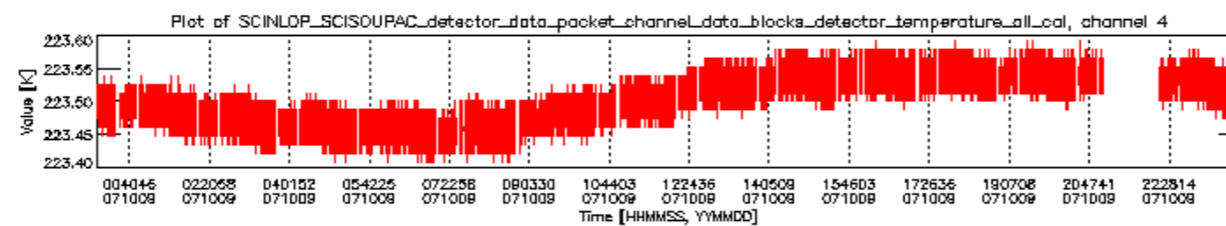
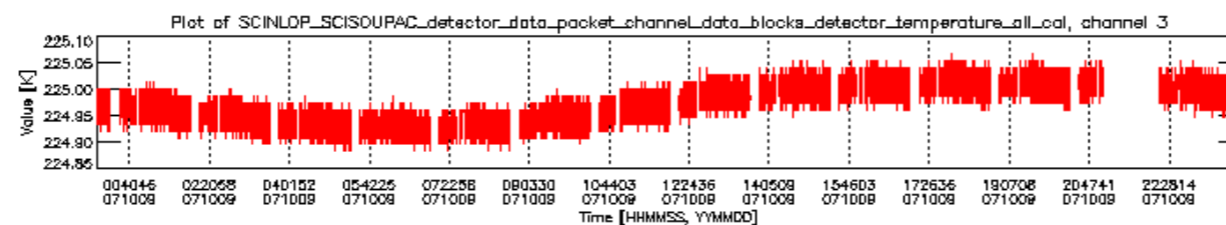
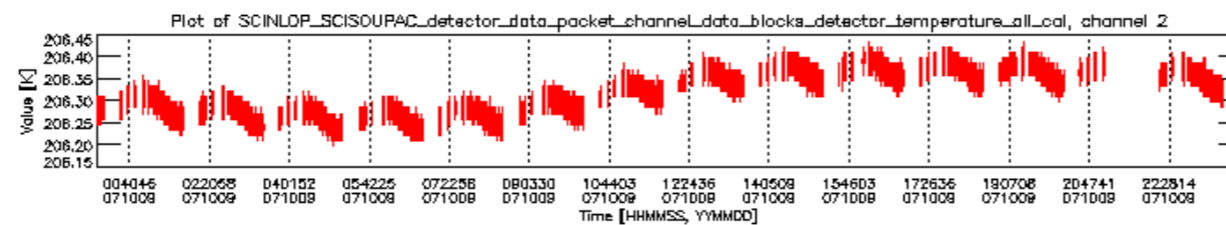
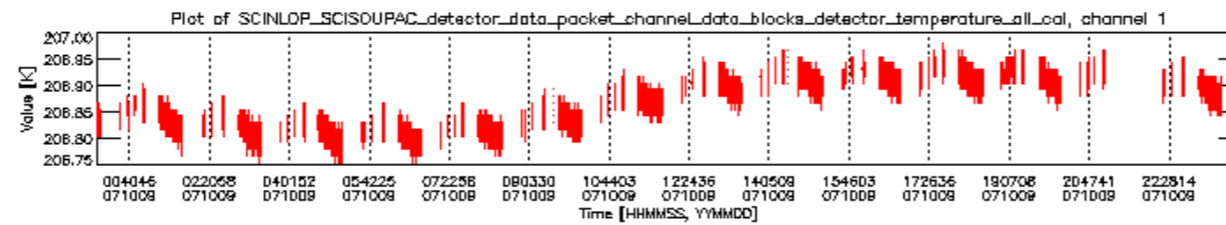
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071009_8.PNG

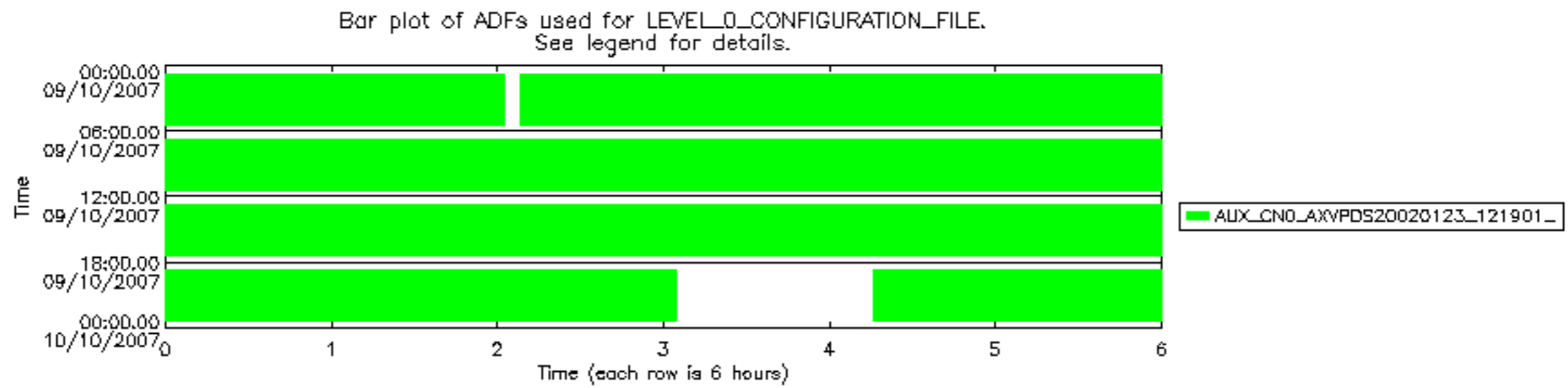












Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

