

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	25OCT2007 07:04:08
Data source version	KSPT_L0/4302-N
Processing scope for products	22OCT2007 00:00:00 to 23OCT2007 00:00:00
Start time of first product within scope	21OCT2007 22:40:01
Stop time of last product within scope	23OCT2007 01:23:56
Total number of level 0 products	17
Number of level 0 products with errors	1

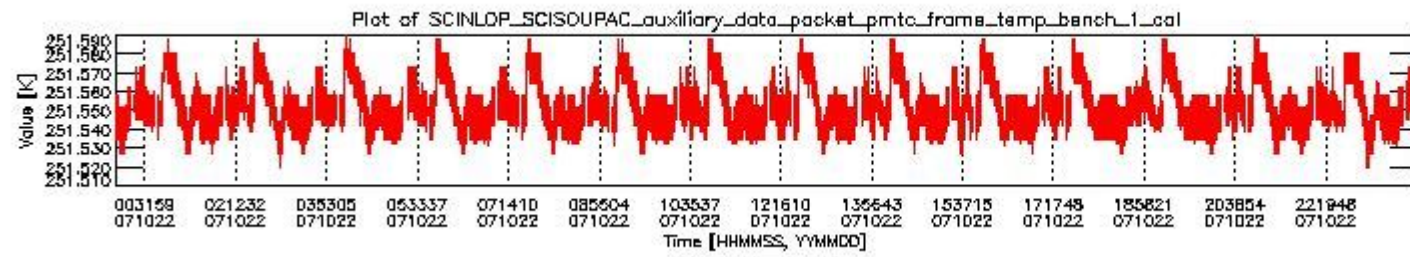
0.1.2 Summary per product

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

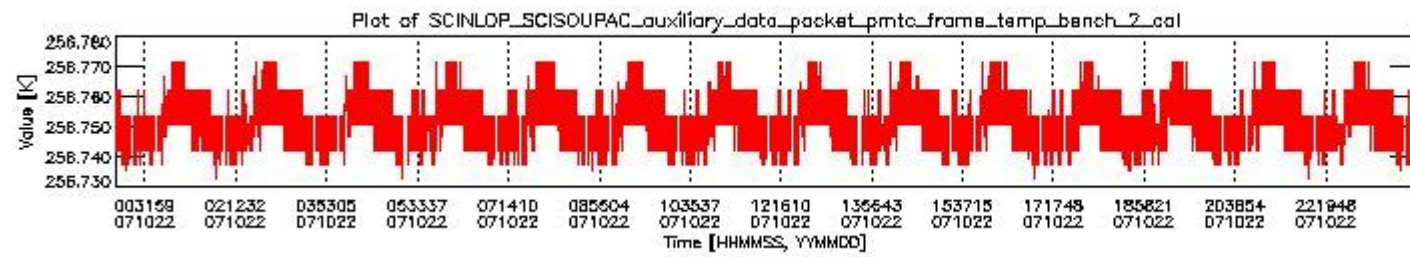
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20071021_224001_000056762062_00387_29499_5420.N1	21OCT2007 22:40:01	22OCT2007 00:14:38	0	0	0	0	0
1	SCI_NL__OPNPDE20071022_002038_000056892062_00388_29500_5421.N1	22OCT2007 00:20:38	22OCT2007 01:55:27	0	0	0	0	0
2	SCI_NL__OPNPDE20071022_015527_000045912062_00389_29501_5422.N1	22OCT2007 01:55:27	22OCT2007 03:11:58	0	0	0	0	0
3	SCI_NL__OPNPDE20071022_031102_000061612062_00390_29502_5423.N1	22OCT2007 03:11:02	22OCT2007 04:53:43	0	0	0	0	0
4	SCI_NL__OPNPDE20071022_045247_000060242062_00391_29503_5424.N1	22OCT2007 04:52:47	22OCT2007 06:33:11	0	0	0	0	0
5	SCI_NL__OPNPDK20071022_063311_000041142062_00392_29504_6412.N1	22OCT2007 06:33:11	22OCT2007 07:41:45	0	0	0	0	0
6	SCI_NL__OPNPDK20071022_073941_000062172062_00393_29505_6414.N1	22OCT2007 07:39:41	22OCT2007 09:23:17	1	1	0	0	0
7	SCI_NL__OPNPDK20071022_092113_000059802062_00394_29506_6415.N1	22OCT2007 09:21:13	22OCT2007 11:00:53	0	0	0	0	0
8	SCI_NL__OPNPDK20071022_105958_000060922062_00395_29507_6416.N1	22OCT2007 10:59:58	22OCT2007 12:41:30	0	0	0	0	0
9	SCI_NL__OPNPDK20071022_124021_000060492062_00396_29508_6417.N1	22OCT2007 12:40:21	22OCT2007 14:21:10	0	0	0	0	0
10	SCI_NL__OPNPDK20071022_142002_000059252062_00397_29509_6418.N1	22OCT2007 14:20:02	22OCT2007 15:58:46	0	0	0	0	0
11	SCI_NL__OPNPDK20071022_155533_000060362062_00398_29510_6419.N1	22OCT2007 15:55:33	22OCT2007 17:36:09	0	0	0	0	0
12	SCI_NL__OPNPDK20071022_173416_000056662062_00399_29511_6420.N1	22OCT2007 17:34:16	22OCT2007 19:08:42	0	0	0	0	0
13	SCI_NL__OPNPDK20071022_191301_000061482062_00400_29512_6421.N1	22OCT2007 19:13:01	22OCT2007 20:55:29	0	0	0	0	0
14	SCI_NL__OPNPDE20071022_205337_000041462062_00401_29513_5425.N1	22OCT2007 20:53:37	22OCT2007 22:02:44	0	0	0	0	0
15	SCI_NL__OPNPDE20071022_220831_000056762062_00401_29513_5426.N1	22OCT2007 22:08:31	22OCT2007 23:43:07	0	0	0	0	0
16	SCI_NL__OPNPDE20071022_234907_000056892062_00402_29514_5427.N1	22OCT2007 23:49:07	23OCT2007 01:23:56	0	0	0	0	0

0.2 Product Quality Indicators

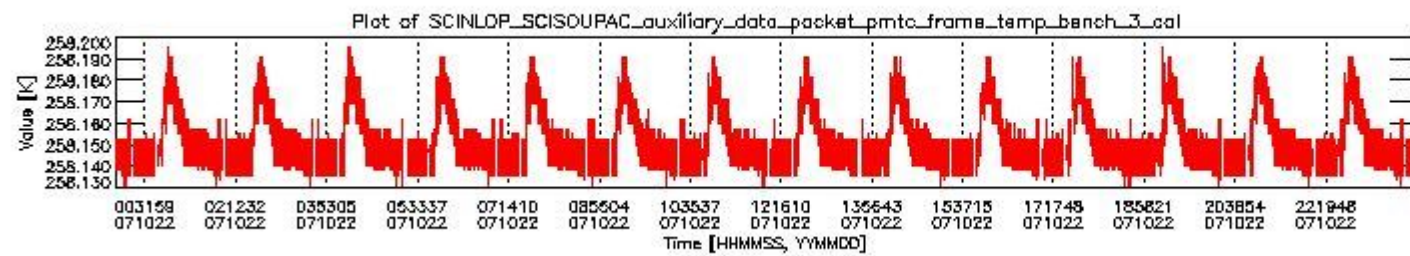
This section shows information about product quality, currently temperatures.



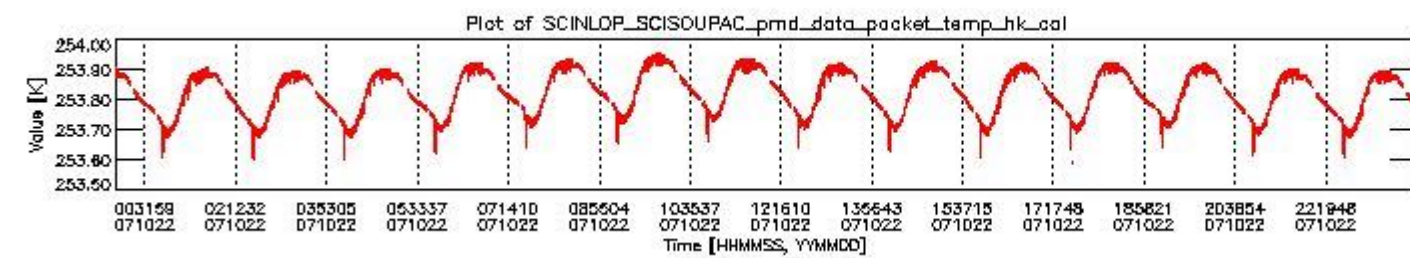
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071022_0.PNG



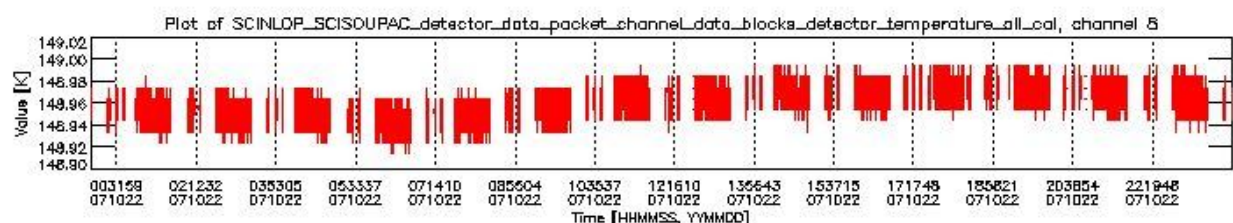
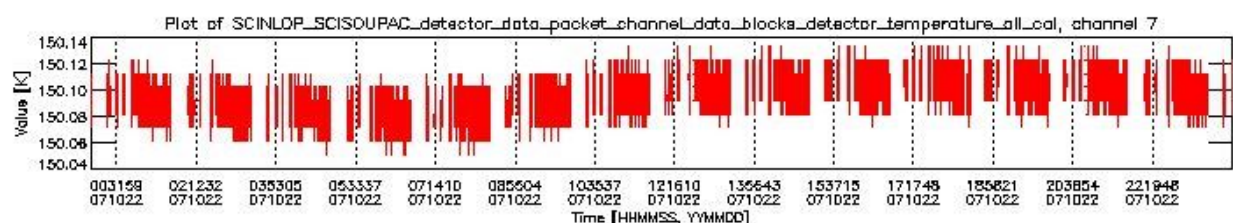
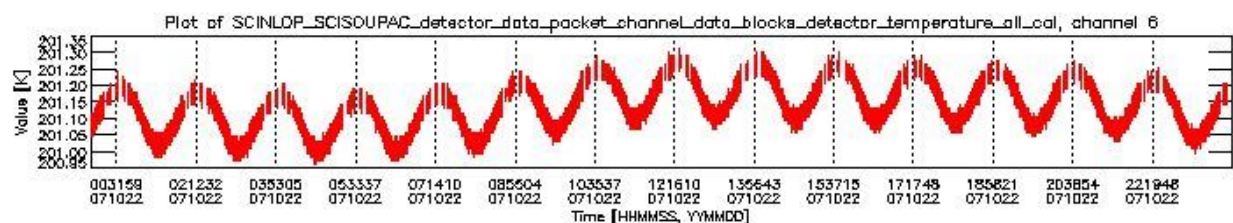
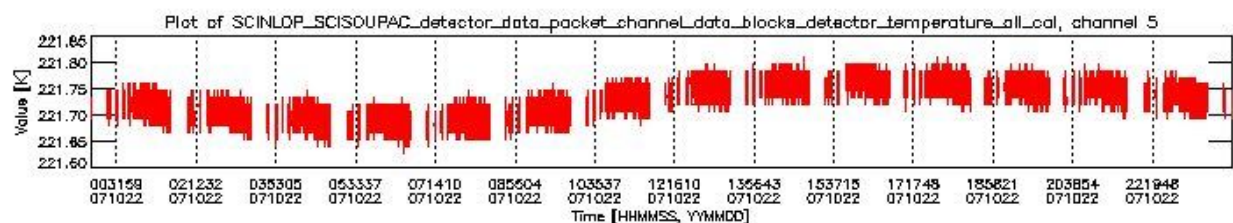
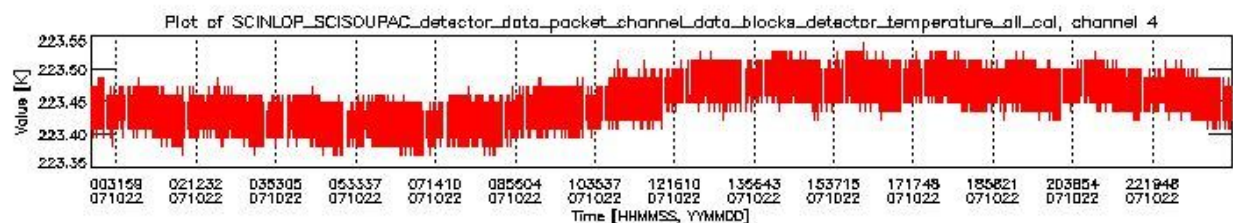
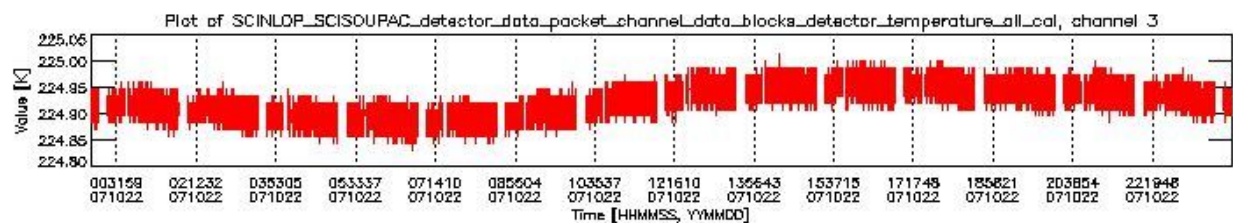
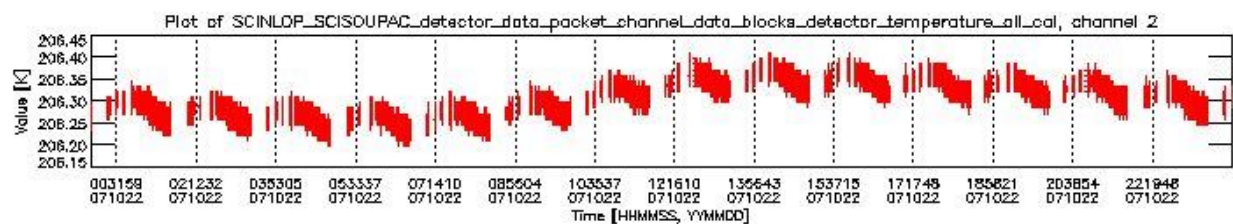
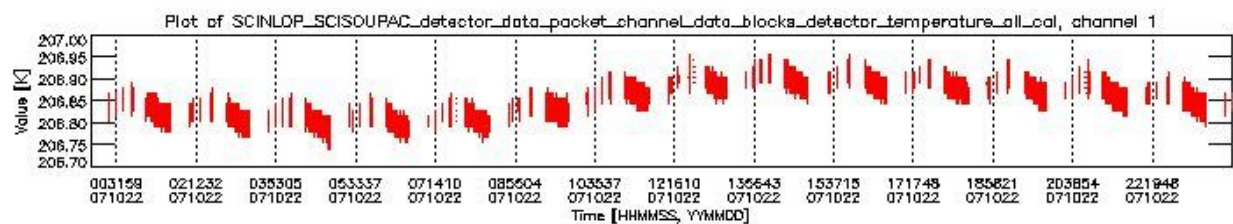
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sciamachy_daily_report_level0_KSPT_L0_4302_N_20071022_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071022_3.PNG

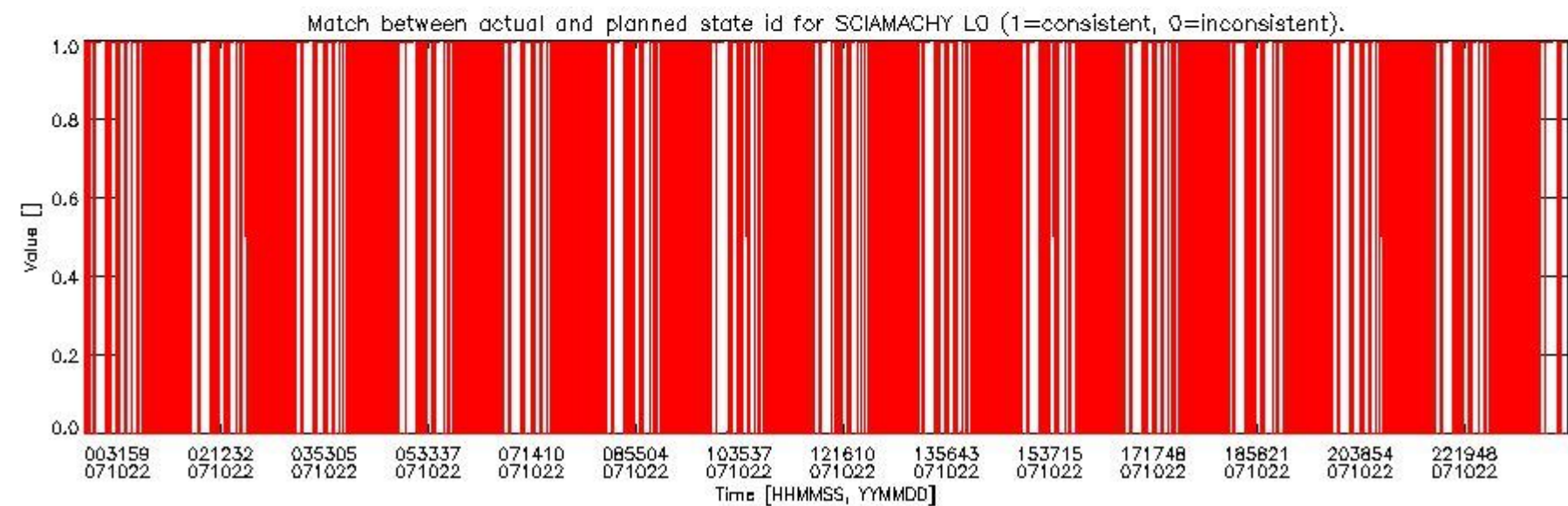
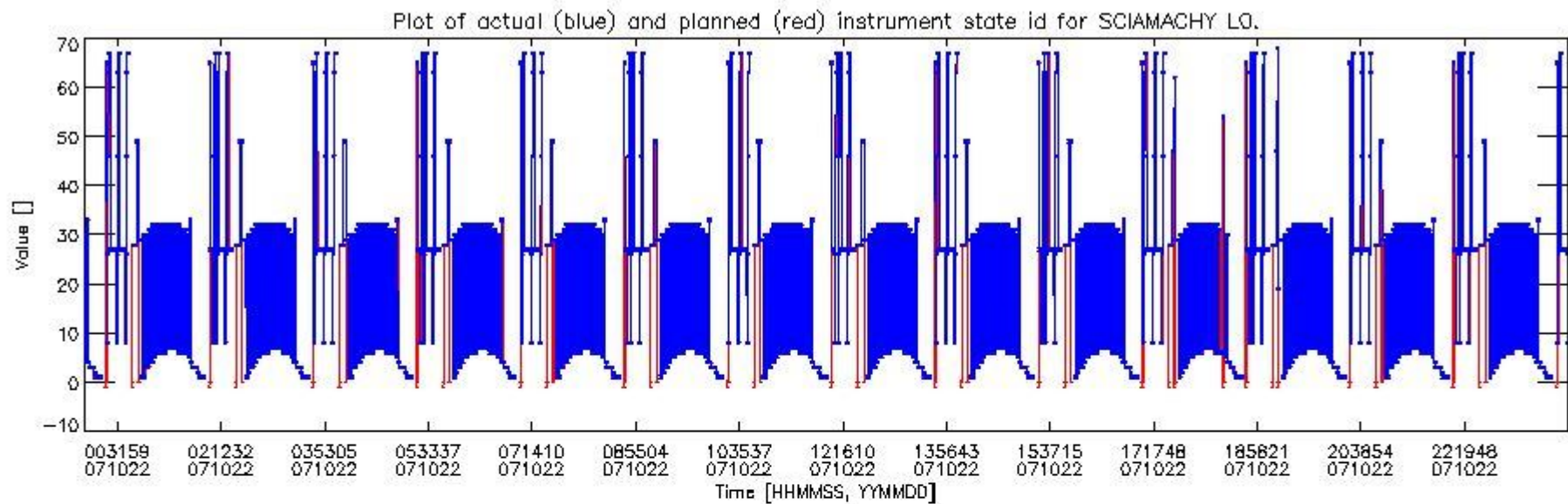


0.3 State monitoring

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: **31938**

#	Actual time	Actual value	Planned time	Planned value
0	22OCT2007 00:00:12.249018	30	22OCT2007 00:00:12.249018	5
1	22OCT2007 00:00:12.874040	30	22OCT2007 00:00:12.874040	5
2	22OCT2007 00:00:13.249013	30	22OCT2007 00:00:13.249013	5
3	22OCT2007 00:00:13.624026	30	22OCT2007 00:00:13.624026	5
4	22OCT2007 00:00:14.186525	30	22OCT2007 00:00:14.186525	5
5	22OCT2007 00:00:14.561538	30	22OCT2007 00:00:14.561538	5
6	22OCT2007 00:00:14.936511	30	22OCT2007 00:00:14.936511	5
7	22OCT2007 00:00:15.311524	30	22OCT2007 00:00:15.311524	5
8	22OCT2007 00:00:15.874024	30	22OCT2007 00:00:15.874024	5
9	22OCT2007 00:00:16.249037	30	22OCT2007 00:00:16.249037	5
10	22OCT2007 00:00:16.624010	30	22OCT2007 00:00:16.624010	5
11	22OCT2007 00:00:16.999023	30	22OCT2007 00:00:16.999023	5
12	22OCT2007 00:00:17.249031	30	22OCT2007 00:00:17.249031	5
13	22OCT2007 00:00:17.561522	30	22OCT2007 00:00:17.561522	5
14	22OCT2007 00:00:17.936535	30	22OCT2007 00:00:17.936535	5
15	22OCT2007 00:00:18.311508	30	22OCT2007 00:00:18.311508	5
16	22OCT2007 00:00:18.686521	30	22OCT2007 00:00:18.686521	5
17	22OCT2007 00:01:08.124032	4	22OCT2007 00:01:08.124032	30
18	22OCT2007 00:01:08.374000	4	22OCT2007 00:01:08.374000	30
19	22OCT2007 00:01:08.499005	4	22OCT2007 00:01:08.499005	30

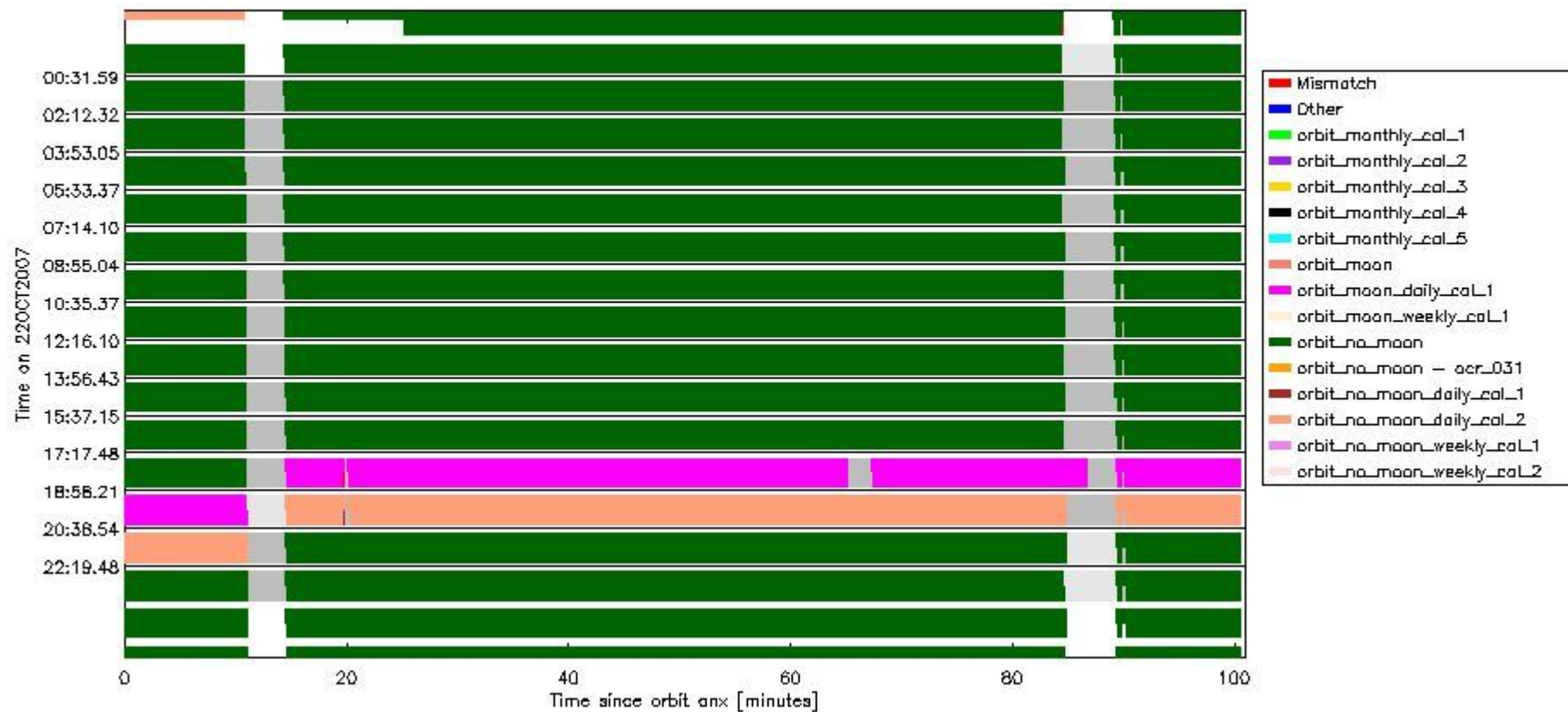


sciamachy_daily_report_level0_KSPT_L0_4302_N_20071022_5.PNG

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 22OCT2007.
 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_20071022_6.PNG

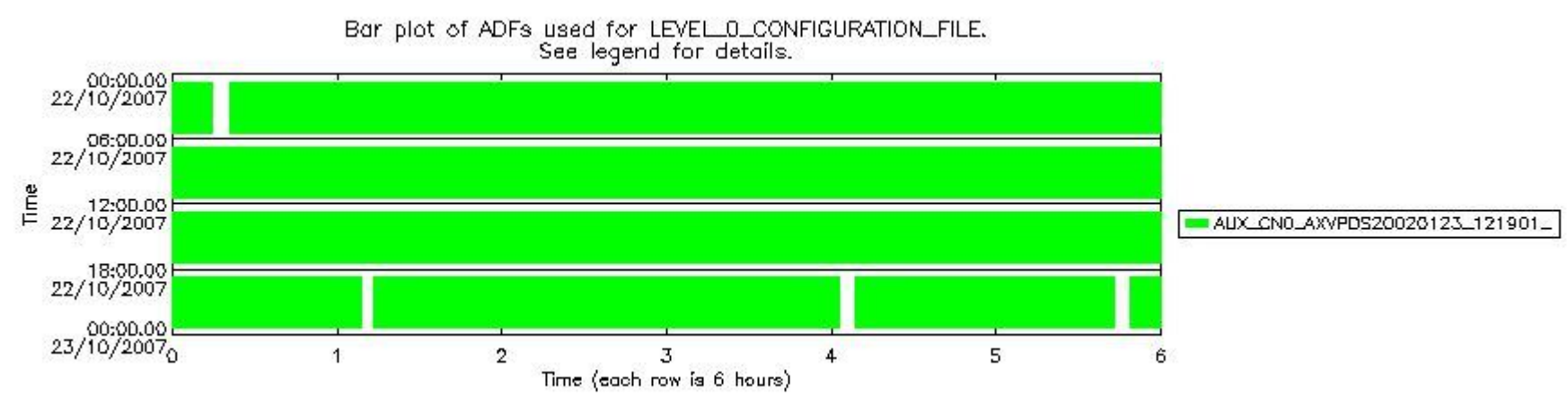
0.4 ADF monitoring

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

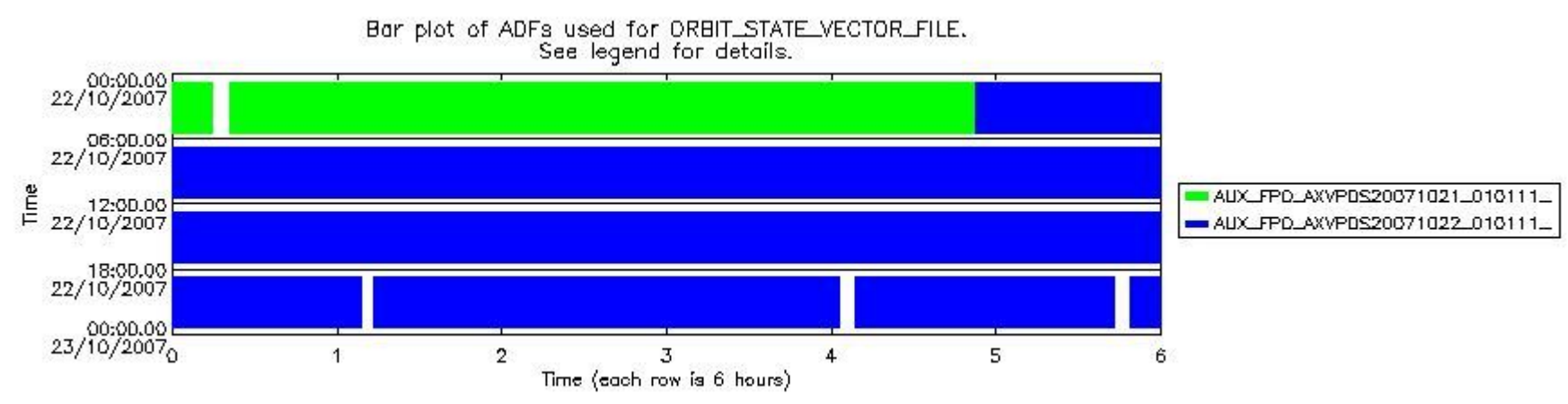
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

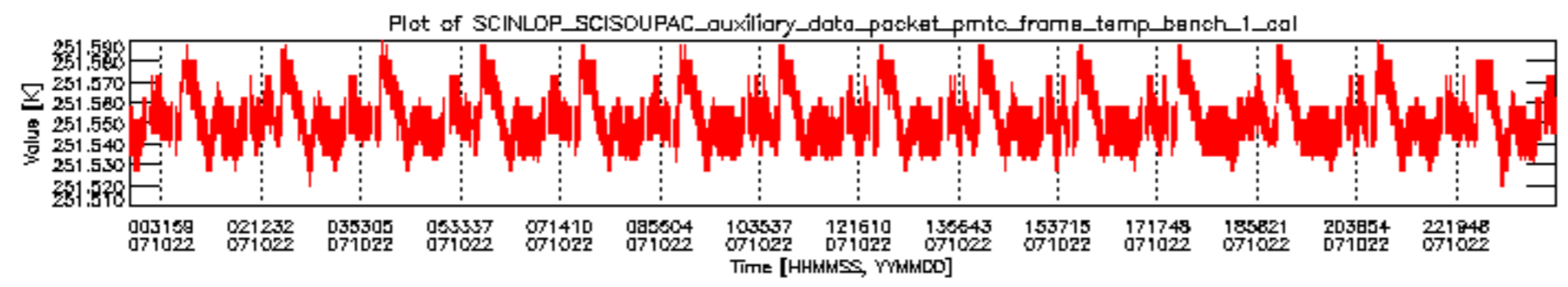
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20071021_010111_20071020_182106_20071030_212755
2	AUX_FPO_AXVPDS20071022_010111_20071021_193005_20071031_205618

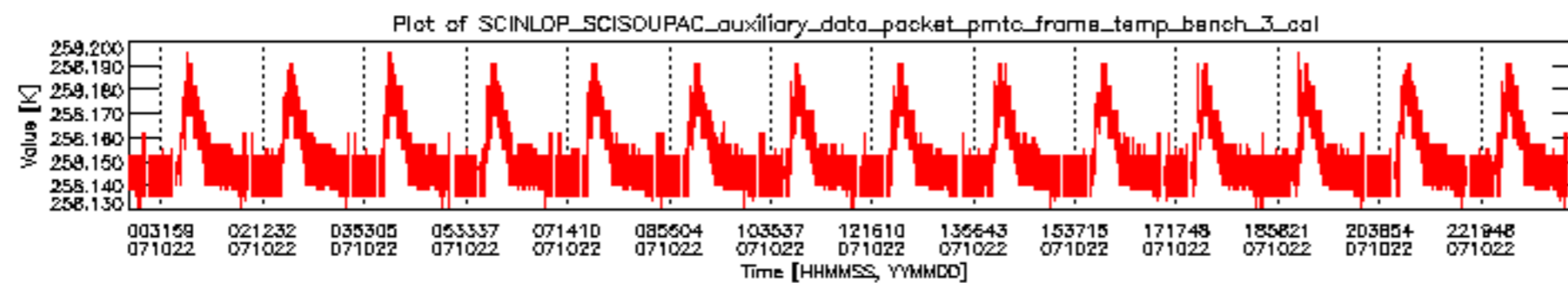


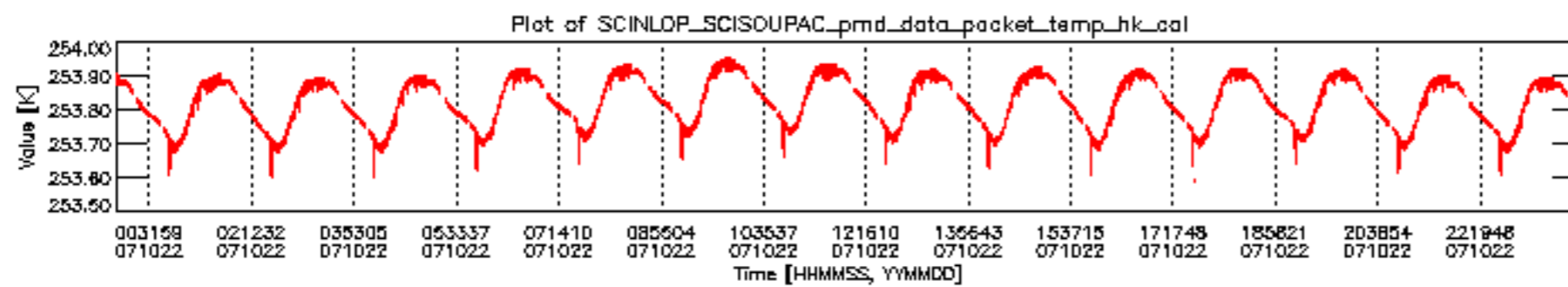
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071022_7.PNG

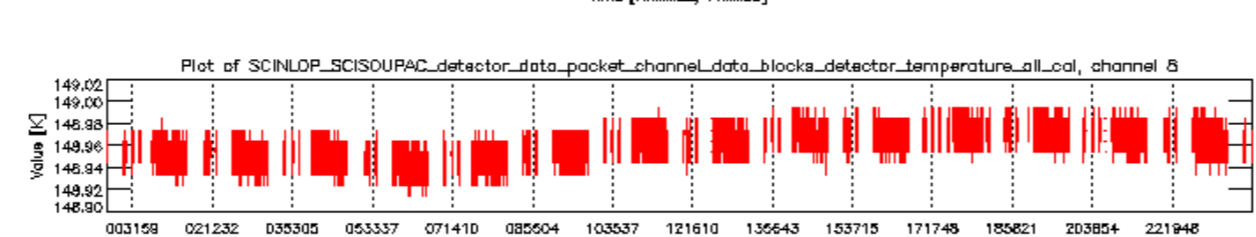
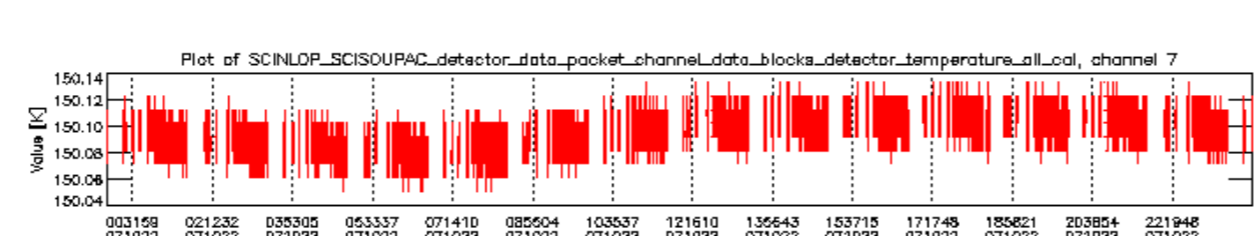
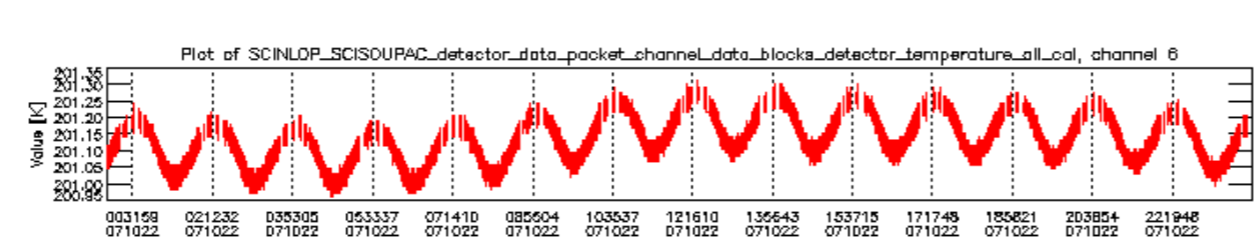
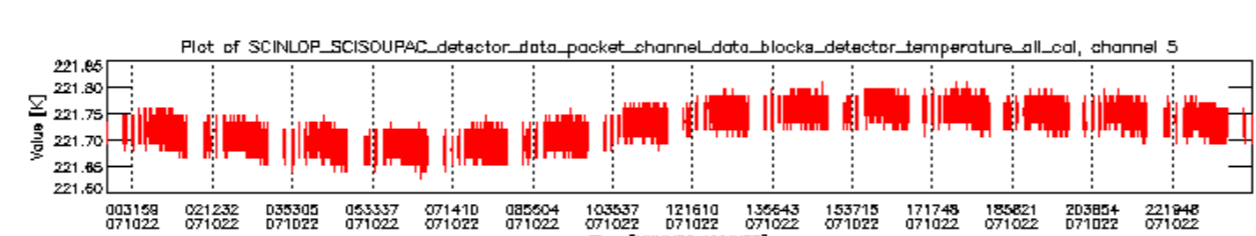
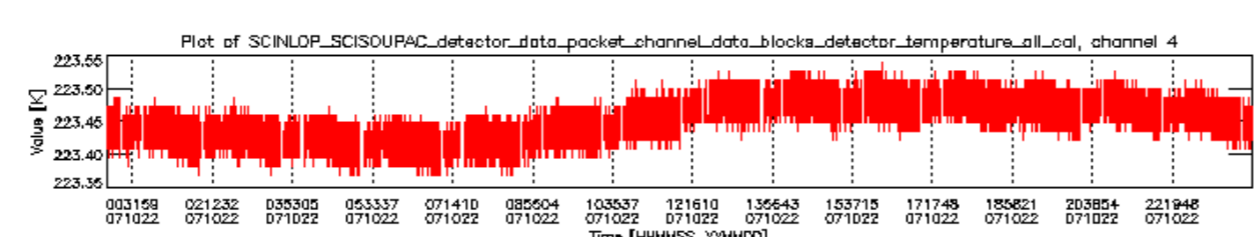
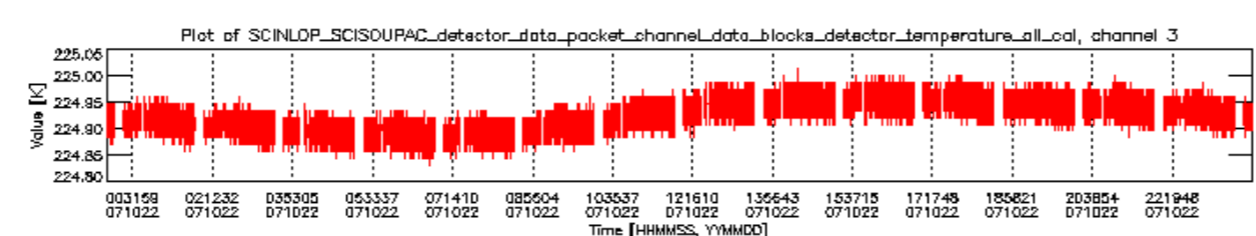
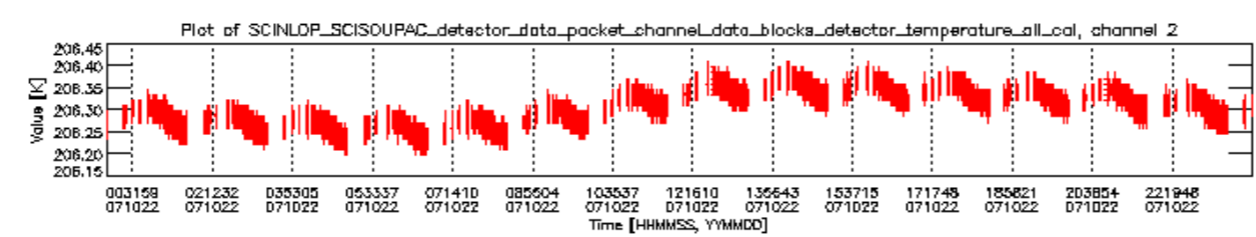
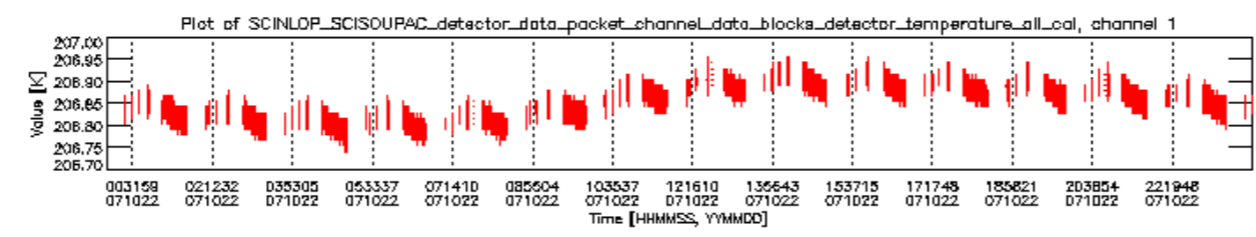


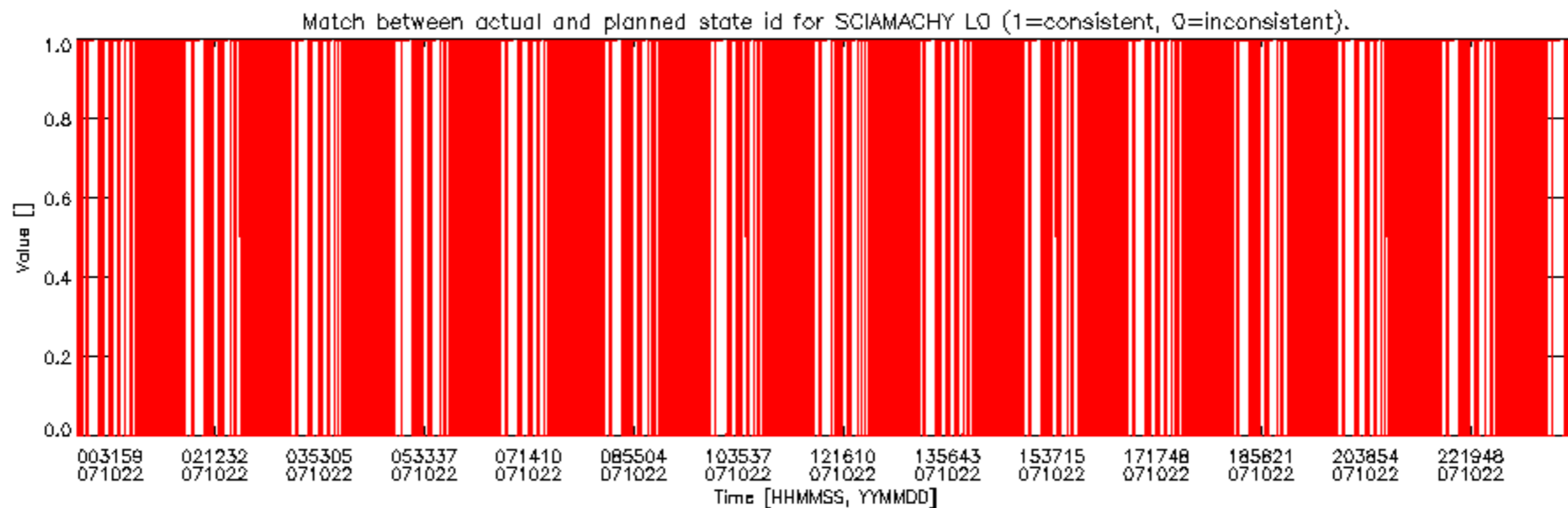
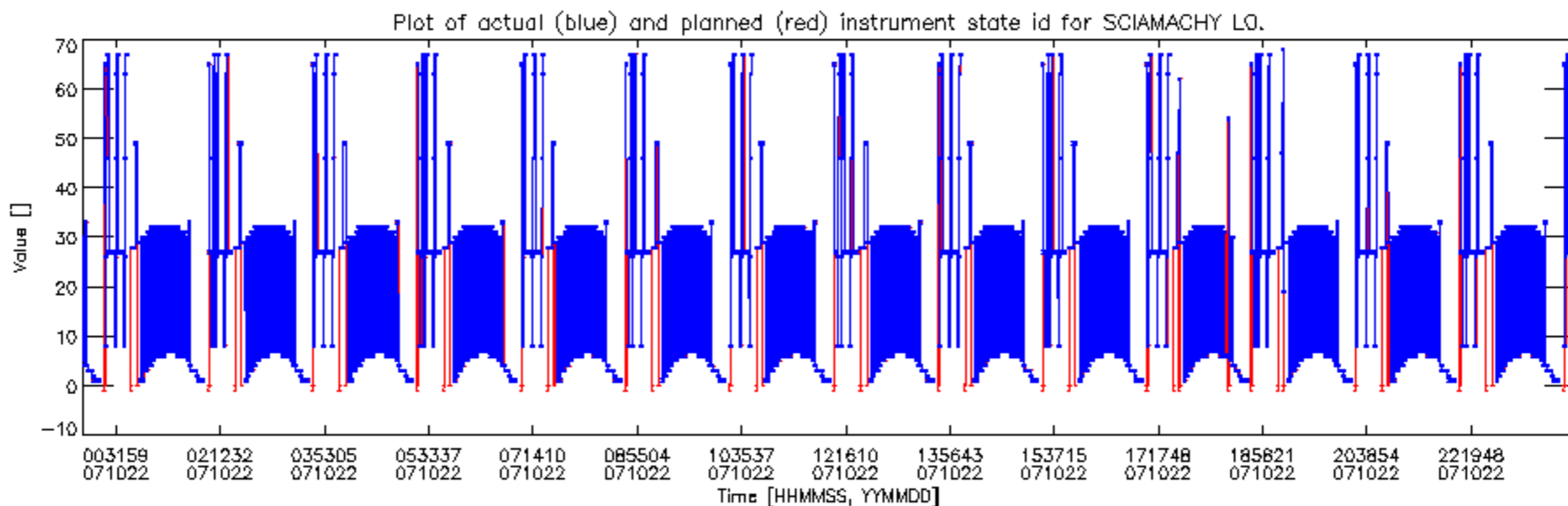
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071022_8.PNG

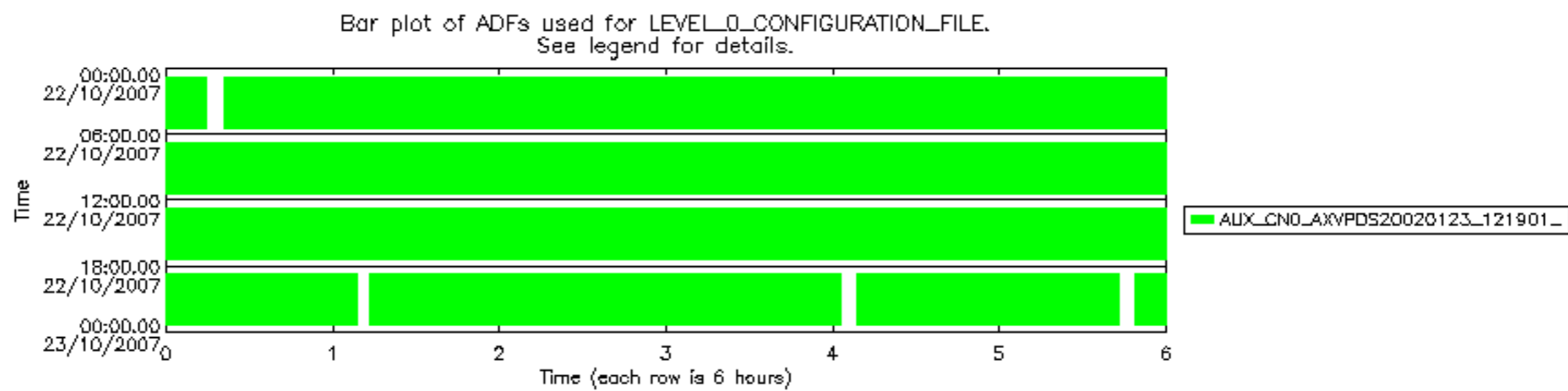












Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

