

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	14OCT2007 08:15:36
Data source version	KSPT_L0/4302-N
Processing scope for products	10OCT2007 00:00:00 to 11OCT2007 00:00:00
Start time of first product within scope	09OCT2007 23:56:15
Stop time of last product within scope	11OCT2007 01:06:05
Total number of level 0 products	15
Number of level 0 products with errors	0

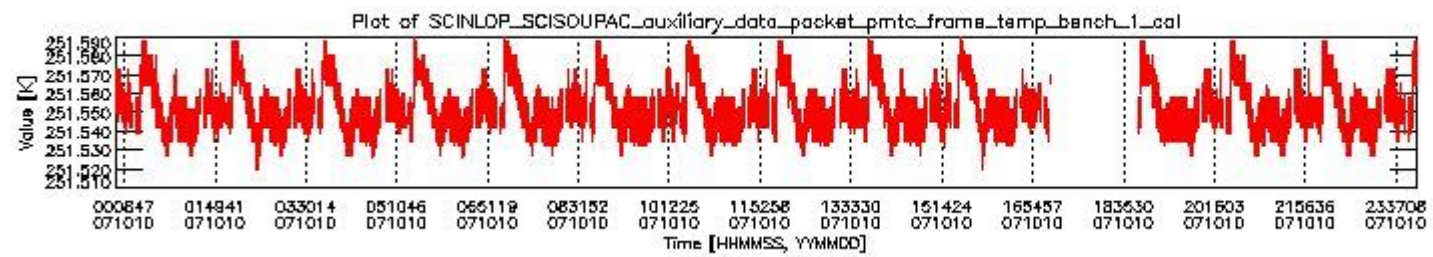
0.1.2 Summary per product

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

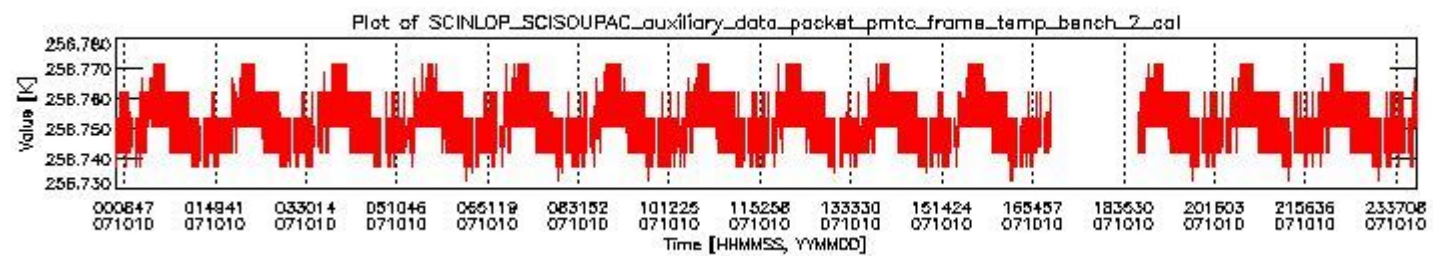
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20071009_235615_000060362062_00216_29328_5340.N1	09OCT2007 23:56:15	10OCT2007 01:36:51	0	0	0	0	0
1	SCI_NL__OPNPDE20071010_013651_000043112062_00217_29329_5341.N1	10OCT2007 01:36:51	10OCT2007 02:48:42	0	0	0	0	0
2	SCI_NL__OPNPDE20071010_024842_000061612062_00218_29330_5342.N1	10OCT2007 02:48:42	10OCT2007 04:31:23	0	0	0	0	0
3	SCI_NL__OPNPDE20071010_043027_000060242062_00219_29331_5343.N1	10OCT2007 04:30:27	10OCT2007 06:10:51	0	0	0	0	0
4	SCI_NL__OPNPDK20071010_060955_000042392062_00220_29332_6305.N1	10OCT2007 06:09:55	10OCT2007 07:20:33	0	0	0	0	0
5	SCI_NL__OPNPDK20071010_071925_000060922062_00221_29333_6306.N1	10OCT2007 07:19:25	10OCT2007 09:00:57	0	0	0	0	0
6	SCI_NL__OPNPDK20071010_090001_000060362062_00222_29334_6307.N1	10OCT2007 09:00:01	10OCT2007 10:40:38	0	0	0	0	0
7	SCI_NL__OPNPDK20071010_103942_000058992062_00223_29335_6308.N1	10OCT2007 10:39:42	10OCT2007 12:18:01	0	0	0	0	0
8	SCI_NL__OPNPDK20071010_121705_000061612062_00224_29336_6309.N1	10OCT2007 12:17:05	10OCT2007 13:59:46	0	0	0	0	0
9	SCI_NL__OPNPDK20071010_135850_000057882062_00225_29337_6310.N1	10OCT2007 13:58:50	10OCT2007 15:35:18	0	0	0	0	0
10	SCI_NL__OPNPDK20071010_153422_000059602062_00226_29338_6311.N1	10OCT2007 15:34:22	10OCT2007 17:13:42	0	0	0	0	0
11	SCI_NL__OPNPDK20071010_185124_000060932062_00228_29340_6313.N1	10OCT2007 18:51:24	10OCT2007 20:32:58	0	0	0	0	0
12	SCI_NL__OPNPDE20071010_203258_000039222062_00229_29341_5344.N1	10OCT2007 20:32:58	10OCT2007 21:38:19	0	0	0	0	0
13	SCI_NL__OPNPDE20071010_214409_000060362062_00229_29341_5345.N1	10OCT2007 21:44:09	10OCT2007 23:24:45	0	0	0	0	0
14	SCI_NL__OPNPDE20071010_232445_000060802062_00230_29342_5346.N1	10OCT2007 23:24:45	11OCT2007 01:06:05	0	0	0	0	0

0.2 Product Quality Indicators

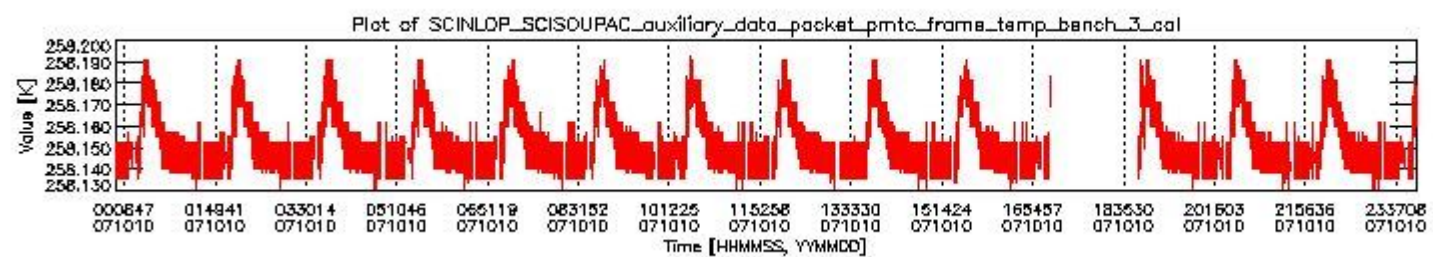
This section shows information about product quality, currently temperatures.



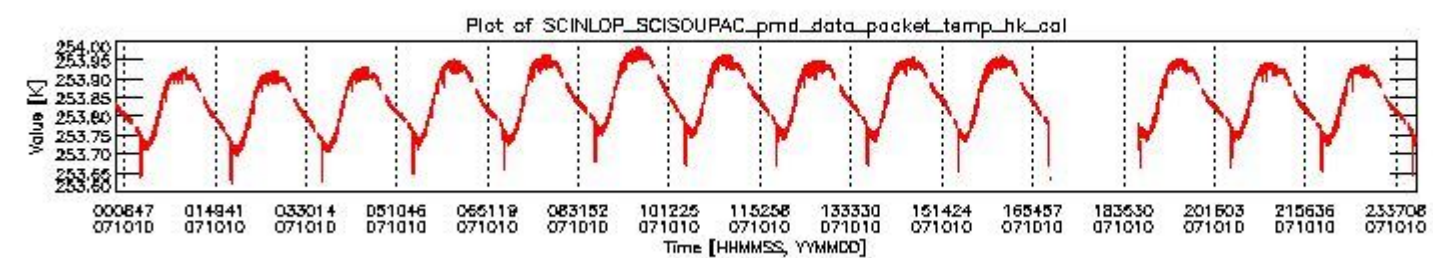
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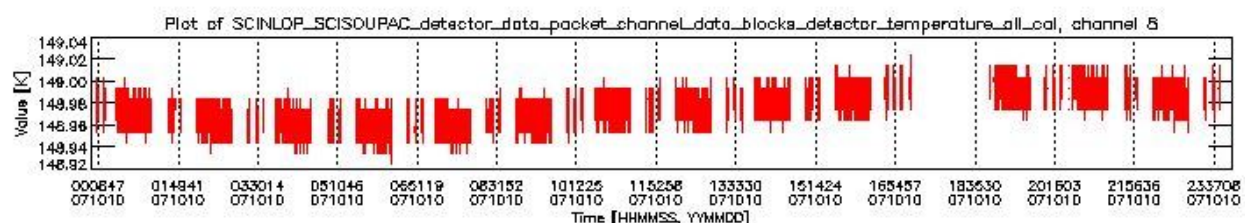
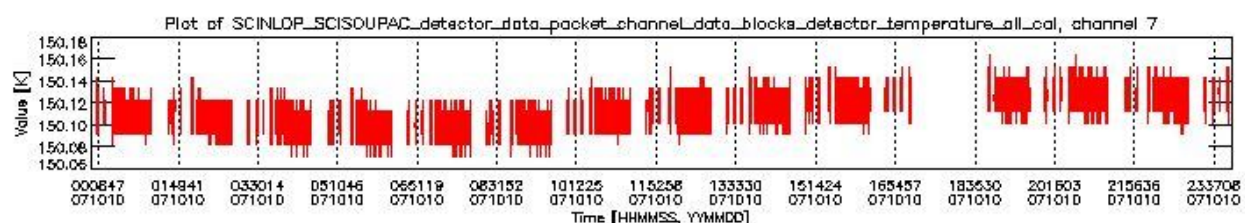
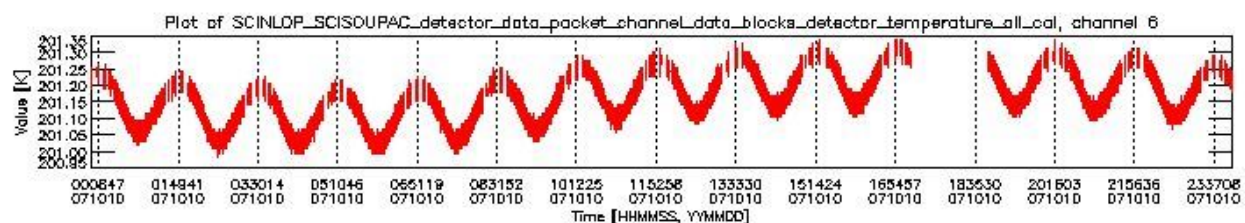
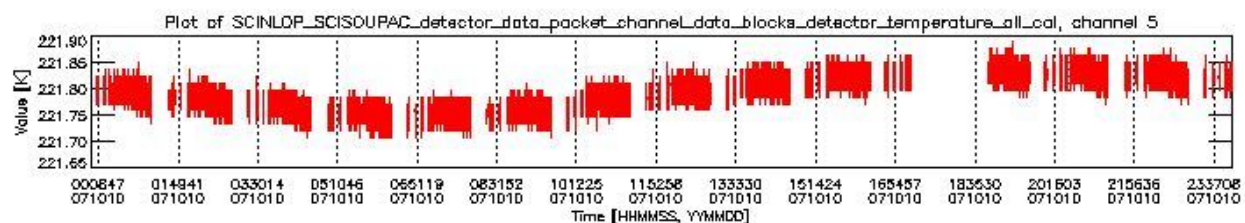
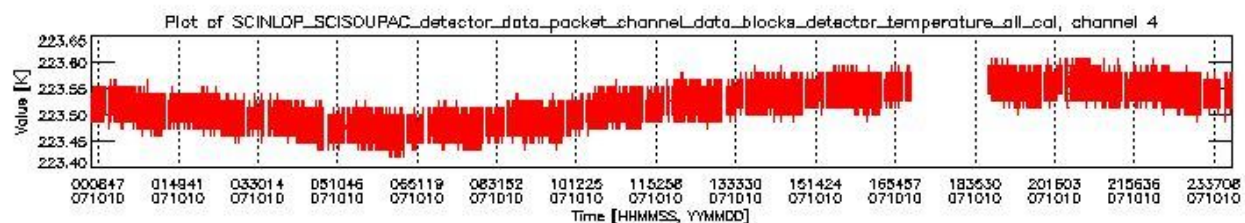
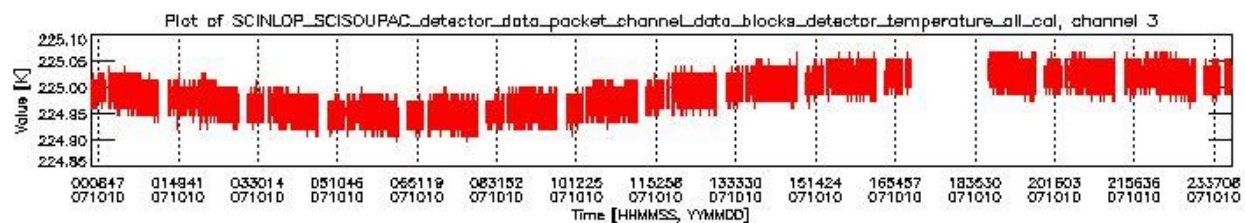
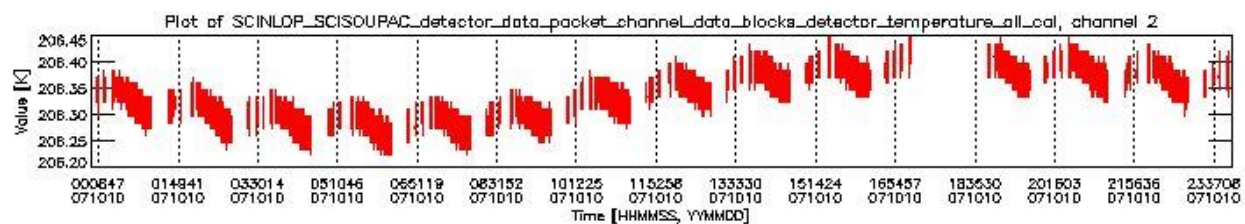
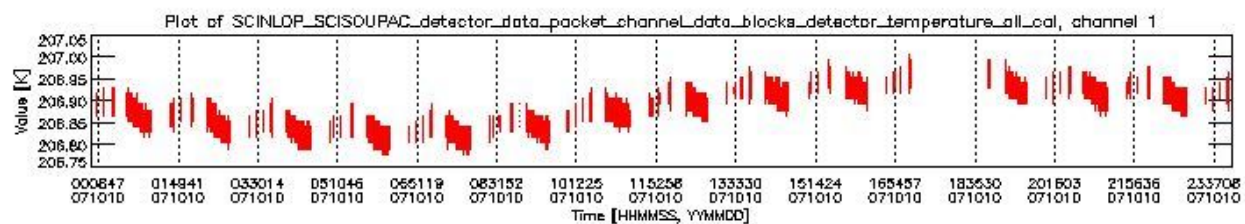
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sciamachy_daily_report_level0_KSPT_L0_4302_N_20071010_3.PNG

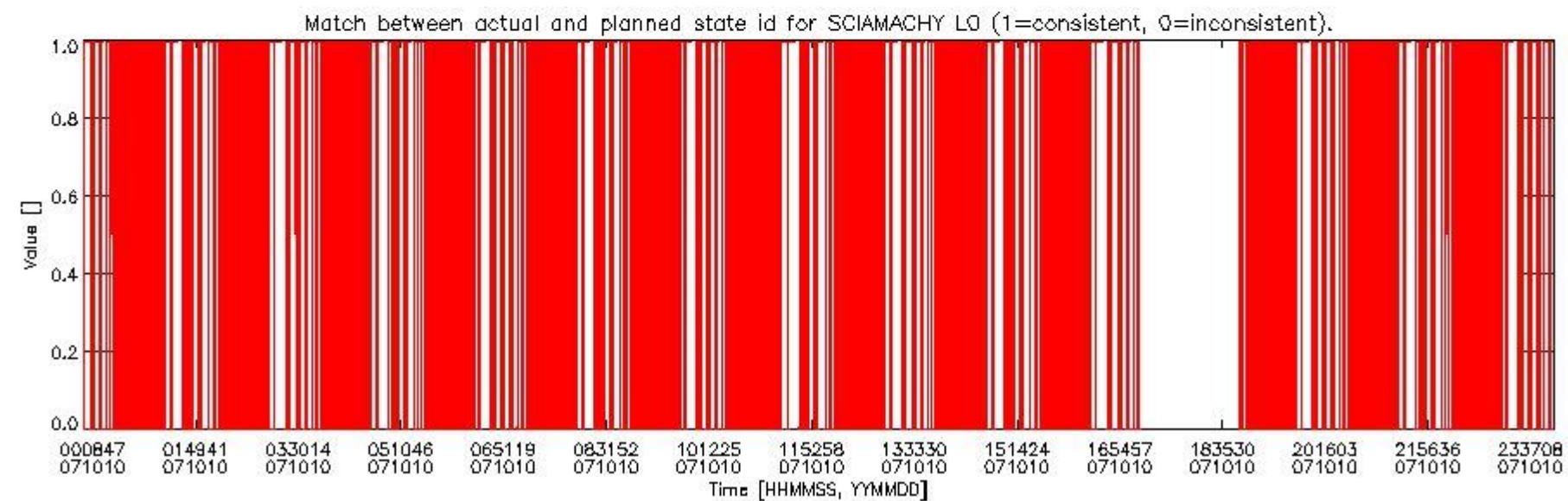
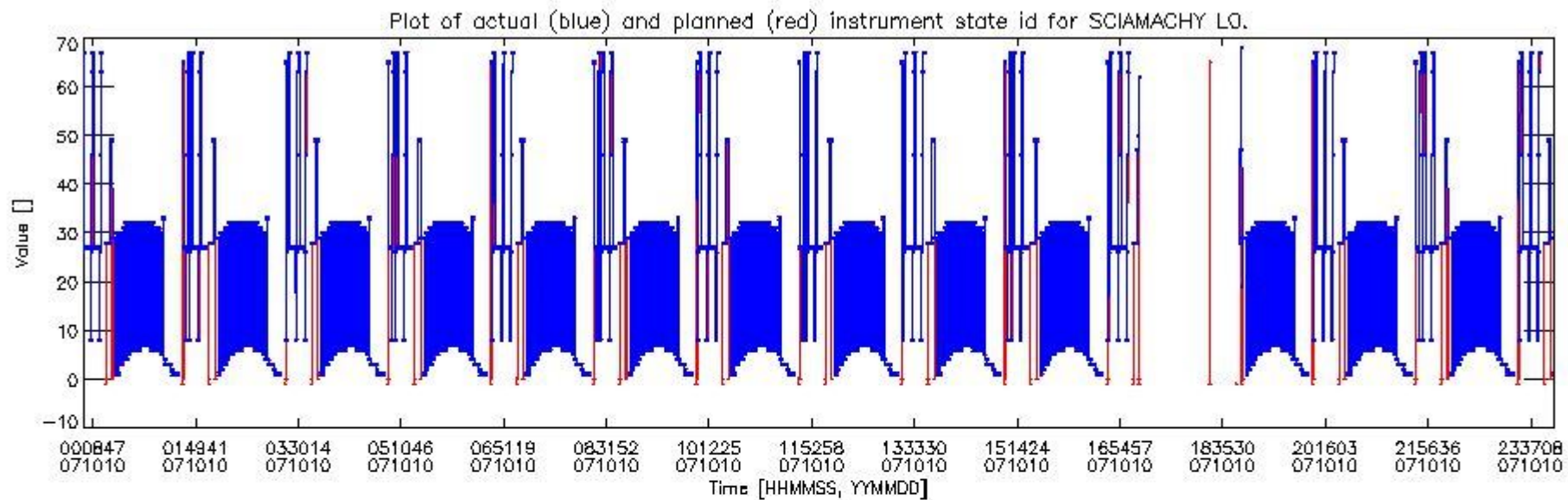


0.3 State monitoring

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: **29057**

#	Actual time	Actual value	Planned time	Planned value
0	10OCT2007 00:00:26.957448	27	10OCT2007 00:00:26.957448	67
1	10OCT2007 00:00:27.957442	27	10OCT2007 00:00:27.957442	67
2	10OCT2007 00:00:28.894915	27	10OCT2007 00:00:28.894915	67
3	10OCT2007 00:00:29.644941	27	10OCT2007 00:00:29.644941	67
4	10OCT2007 00:00:30.582413	27	10OCT2007 00:00:30.582413	67
5	10OCT2007 00:00:31.332439	27	10OCT2007 00:00:31.332439	67
6	10OCT2007 00:00:31.957421	27	10OCT2007 00:00:31.957421	67
7	10OCT2007 00:00:32.269911	27	10OCT2007 00:00:32.269911	67
8	10OCT2007 00:00:33.019938	27	10OCT2007 00:00:33.019938	67
9	10OCT2007 00:00:33.957410	27	10OCT2007 00:00:33.957410	67
10	10OCT2007 00:06:19.426146	8	10OCT2007 00:06:19.426146	27
11	10OCT2007 00:06:20.551144	8	10OCT2007 00:06:20.551144	27
12	10OCT2007 00:06:21.551179	8	10OCT2007 00:06:21.551179	27
13	10OCT2007 00:06:22.551174	8	10OCT2007 00:06:22.551174	27
14	10OCT2007 00:06:23.551168	8	10OCT2007 00:06:23.551168	27
15	10OCT2007 00:06:24.426159	8	10OCT2007 00:06:24.426159	27
16	10OCT2007 00:06:24.551163	8	10OCT2007 00:06:24.551163	27
17	10OCT2007 00:06:25.551158	8	10OCT2007 00:06:25.551158	27
18	10OCT2007 00:07:02.984751	26	10OCT2007 00:07:02.984751	8
19	10OCT2007 00:07:03.609732	26	10OCT2007 00:07:03.609732	8
...

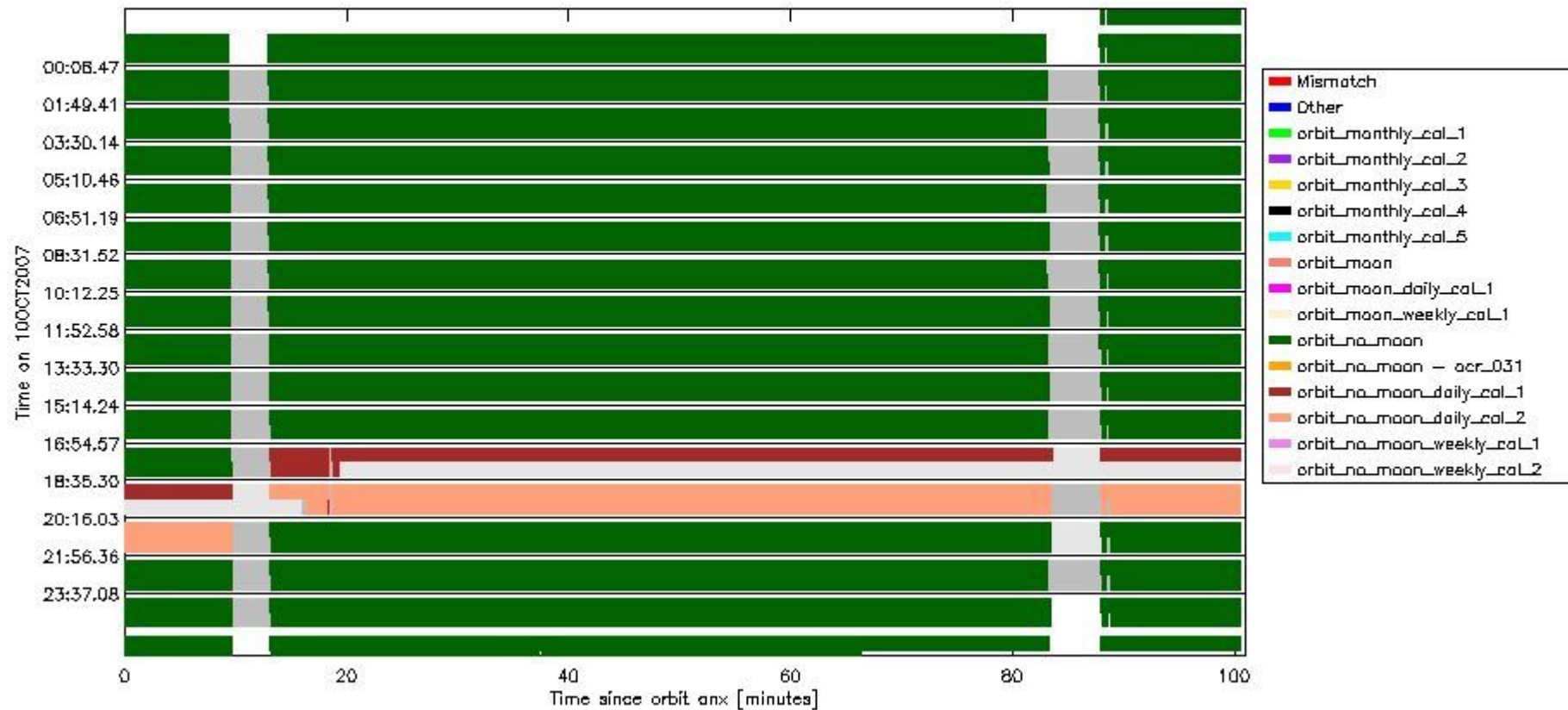


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This section gives an analysis of the DMOP execution. The execution is monitored by assigning various activities to timeline sequences found in the DMOP file, and by checking where "NEW" datasets are available in SCI_NL__1P products.

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 10OCT2007.
 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_20071010_6.PNG

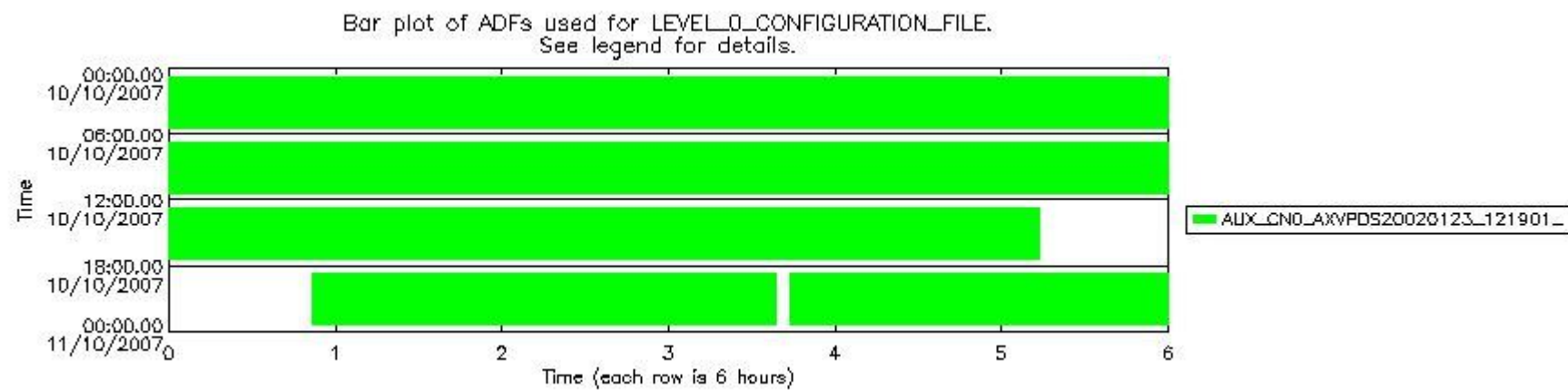
0.4 ADF monitoring

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

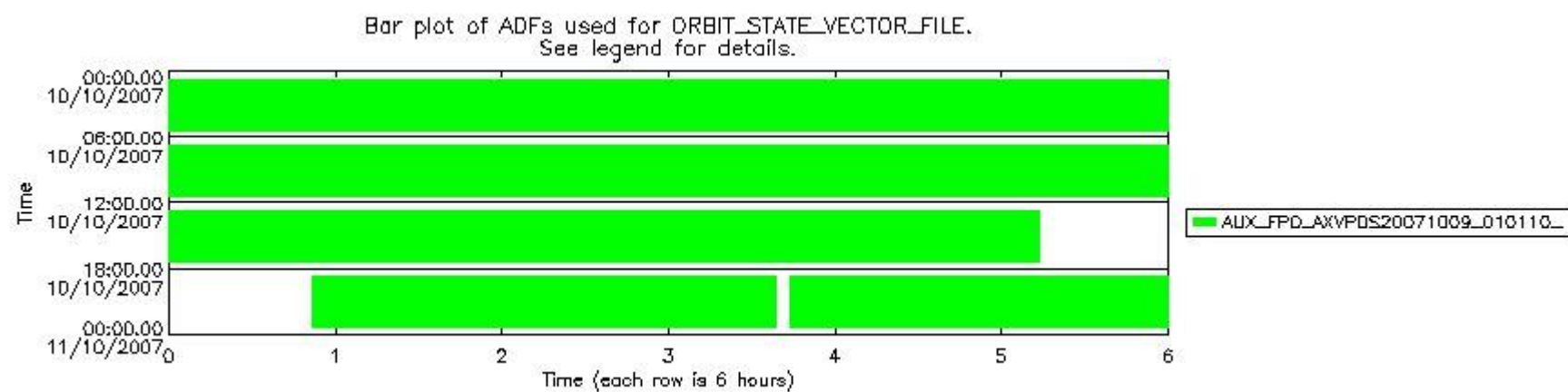
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20071009_010110_20071008_193842_20071018_210456



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sciamachy_daily_report_level0_KSPT_L0_4302_N_20071010_8.PNG

