

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	21AUG2008 05:17:42
Data source version	KSPT_L0/4303-N
Processing scope for products	17AUG2008 00:00:00 to 18AUG2008 00:00:00
Start time of first product within scope	16AUG2008 23:51:59
Stop time of last product within scope	18AUG2008 01:01:01
Total number of level 0 products	16
Number of level 0 products with errors	0

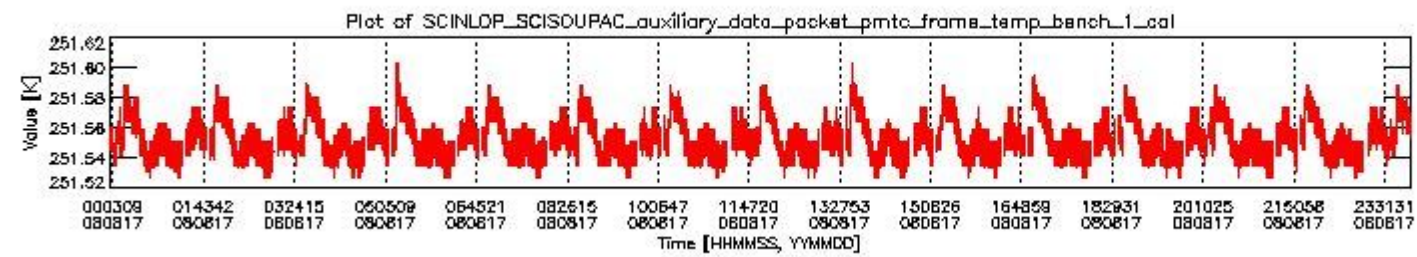
0.1.2 Summary per product

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

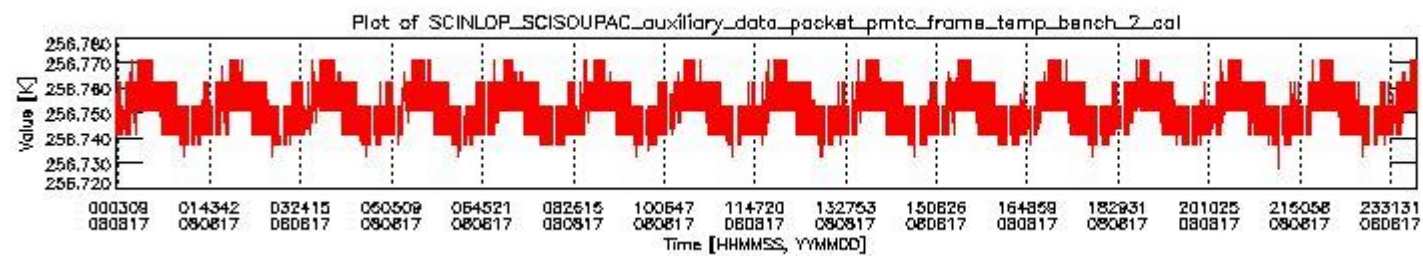
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080816_235159_000059462071_00173_33794_7327.N1	16AUG2008 23:51:59	17AUG2008 01:31:04	0	0	0	0	0
1	SCI_NL__OPNPDE20080817_012936_000047082071_00174_33795_7328.N1	17AUG2008 01:29:36	17AUG2008 02:48:04	0	0	0	0	0
2	SCI_NL__OPNPDE20080817_024804_000058432071_00175_33796_7329.N1	17AUG2008 02:48:04	17AUG2008 04:25:27	0	0	0	0	0
3	SCI_NL__OPNPDE20080817_042418_000061052071_00176_33797_7330.N1	17AUG2008 04:24:18	17AUG2008 06:06:04	0	0	0	0	0
4	SCI_NL__OPNPDK20080817_060508_000041572071_00177_33798_9061.N1	17AUG2008 06:05:08	17AUG2008 07:14:25	0	0	0	0	0
5	SCI_NL__OPNPDK20080817_071329_000061612071_00178_33799_9062.N1	17AUG2008 07:13:29	17AUG2008 08:56:10	0	0	0	0	0
6	SCI_NL__OPNPDK20080817_085514_000059682071_00179_33800_9063.N1	17AUG2008 08:55:14	17AUG2008 10:34:42	0	0	0	0	0
7	SCI_NL__OPNPDK20080817_103442_000059802071_00180_33801_9064.N1	17AUG2008 10:34:42	17AUG2008 12:14:22	0	0	0	0	0
8	SCI_NL__OPNPDK20080817_121422_000059682071_00181_33802_9065.N1	17AUG2008 12:14:22	17AUG2008 13:53:50	0	0	0	0	0
9	SCI_NL__OPNPDK20080817_135241_000058562071_00182_33803_9066.N1	17AUG2008 13:52:41	17AUG2008 15:30:17	0	0	0	0	0
10	SCI_NL__OPNPDK20080817_152921_000058622071_00183_33804_9067.N1	17AUG2008 15:29:21	17AUG2008 17:07:04	0	0	0	0	0
11	SCI_NL__OPNPDK20080817_170459_000061052071_00184_33805_9068.N1	17AUG2008 17:04:59	17AUG2008 18:46:44	0	0	0	0	0
12	SCI_NL__OPNPDK20080817_184536_000059622071_00185_33806_9069.N1	17AUG2008 18:45:36	17AUG2008 20:24:57	0	0	0	0	0
13	SCI_NL__OPNPDE20080817_202401_000045042071_00186_33807_7331.N1	17AUG2008 20:24:01	17AUG2008 21:39:05	0	0	0	0	0
14	SCI_NL__OPNPDE20080817_213737_000061242071_00186_33807_7332.N1	17AUG2008 21:37:37	17AUG2008 23:19:41	0	0	0	0	0
15	SCI_NL__OPNPDE20080817_231734_000062082071_00187_33808_7333.N1	17AUG2008 23:17:34	18AUG2008 01:01:01	0	0	0	0	0

0.2 Product Quality Indicators

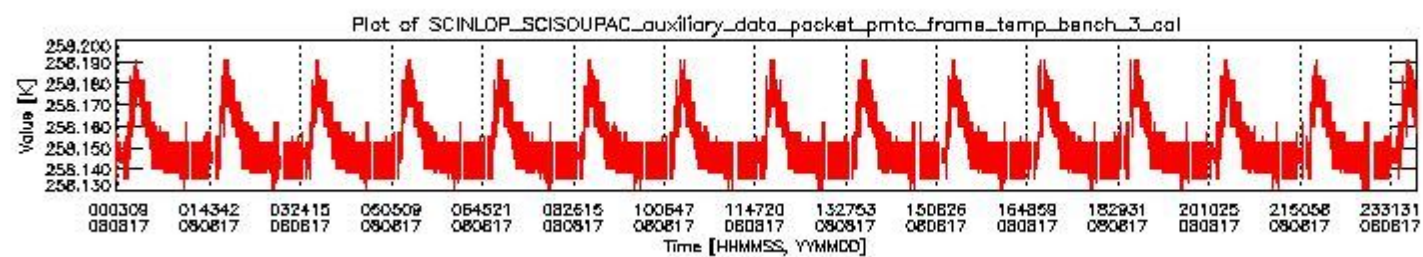
This section shows information about product quality, currently temperatures.



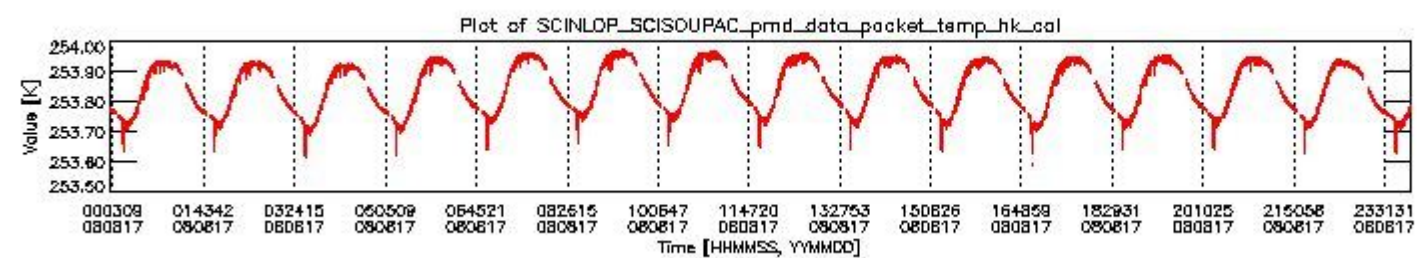
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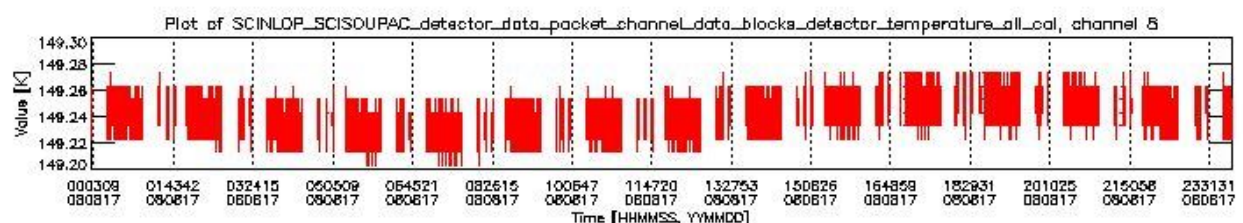
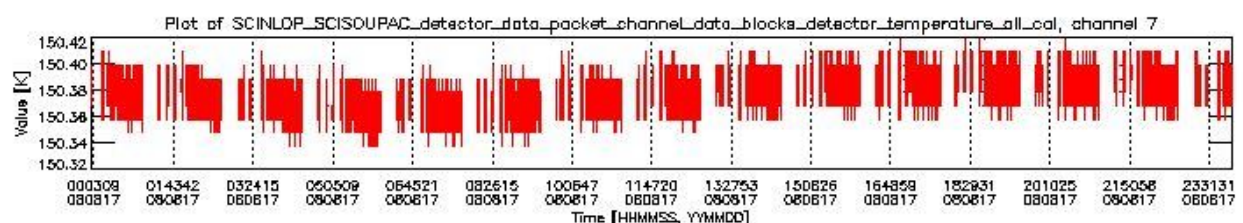
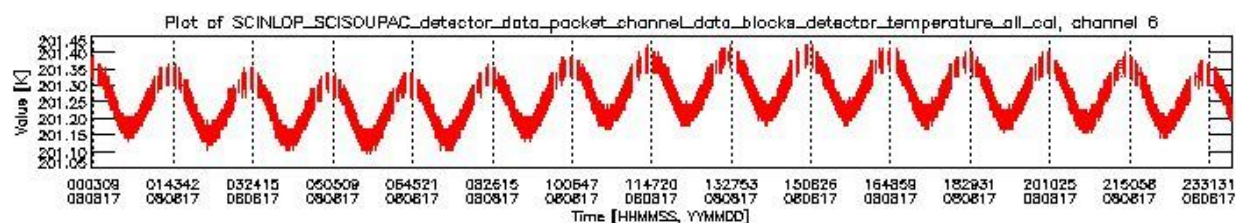
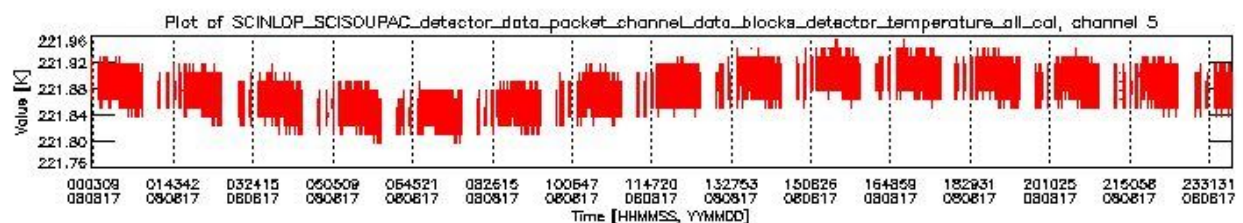
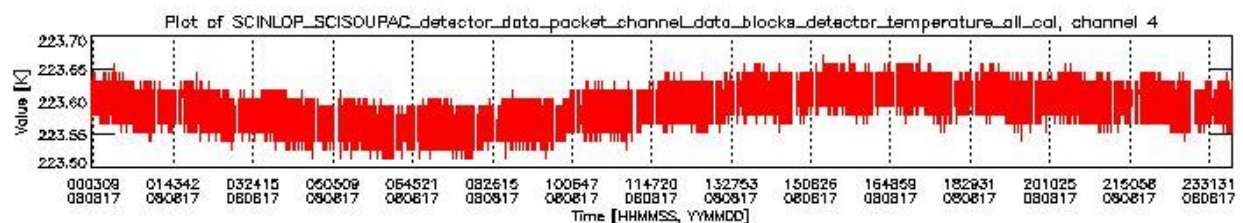
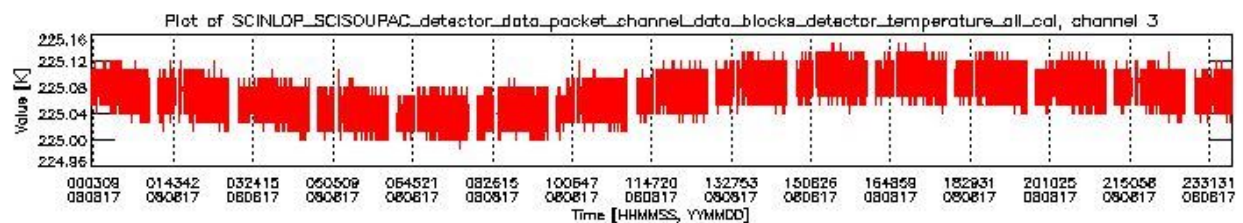
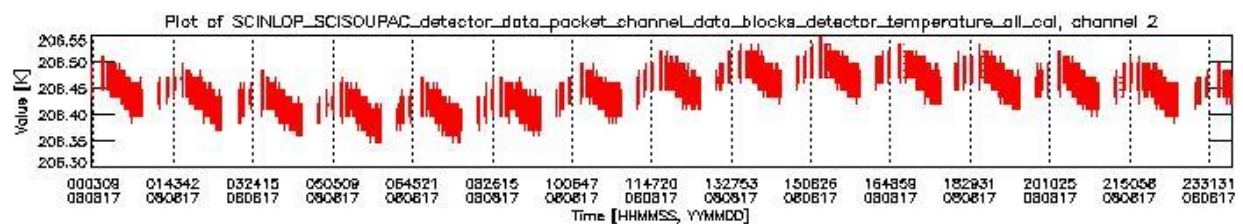
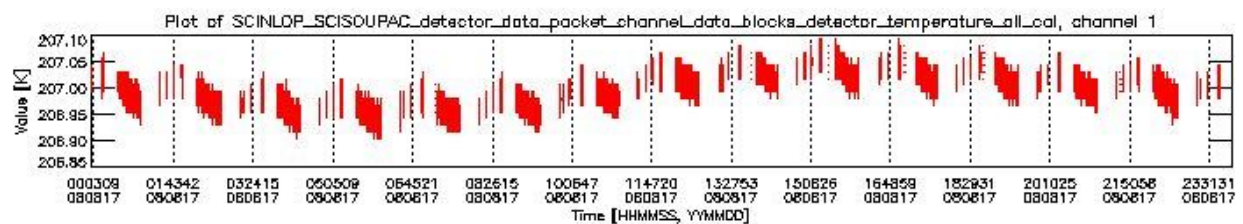
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080817_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080817_3.PNG

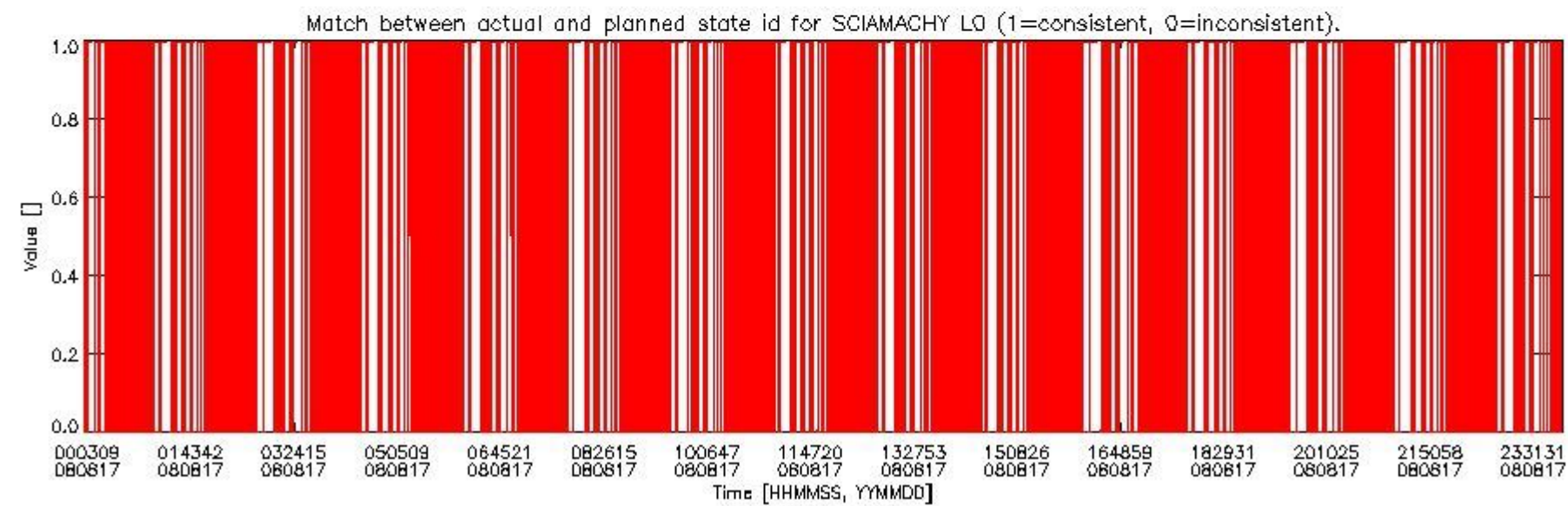
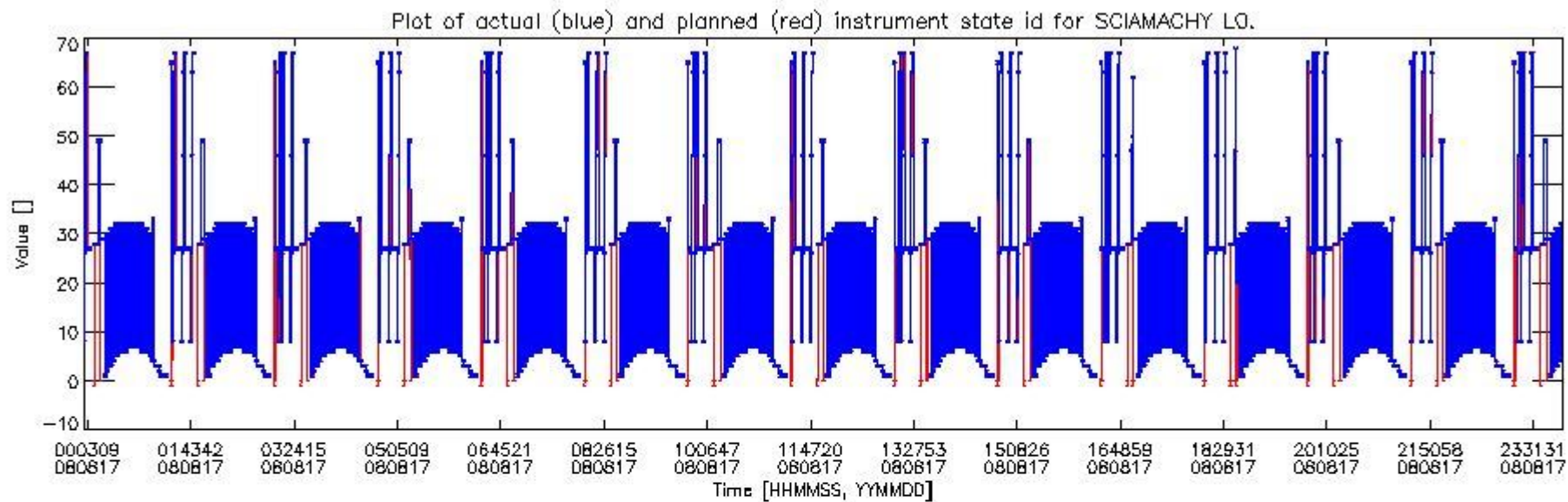


0.3 State monitoring

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: **39359**

#	Actual time	Actual value	Planned time	Planned value
0	17AUG2008 00:00:21.731485	46	17AUG2008 00:00:21.731485	26
1	17AUG2008 00:00:22.356467	46	17AUG2008 00:00:22.356467	26
2	17AUG2008 00:00:22.856484	46	17AUG2008 00:00:22.856484	26
3	17AUG2008 00:00:23.356462	46	17AUG2008 00:00:23.356462	26
4	17AUG2008 00:00:23.856479	46	17AUG2008 00:00:23.856479	26
5	17AUG2008 00:00:24.356496	46	17AUG2008 00:00:24.356496	26
6	17AUG2008 00:00:24.856474	46	17AUG2008 00:00:24.856474	26
7	17AUG2008 00:00:25.356491	46	17AUG2008 00:00:25.356491	26
8	17AUG2008 00:00:25.856468	46	17AUG2008 00:00:25.856468	26
9	17AUG2008 00:00:26.356485	46	17AUG2008 00:00:26.356485	26
10	17AUG2008 00:00:26.731458	46	17AUG2008 00:00:26.731458	26
11	17AUG2008 00:00:26.856463	46	17AUG2008 00:00:26.856463	26
12	17AUG2008 00:00:27.356480	46	17AUG2008 00:00:27.356480	26
13	17AUG2008 00:00:27.856457	46	17AUG2008 00:00:27.856457	26
14	17AUG2008 00:00:28.356475	46	17AUG2008 00:00:28.356475	26
15	17AUG2008 00:00:28.856492	46	17AUG2008 00:00:28.856492	26
16	17AUG2008 00:00:29.356469	46	17AUG2008 00:00:29.356469	26
17	17AUG2008 00:00:29.856487	46	17AUG2008 00:00:29.856487	26
18	17AUG2008 00:00:30.356464	46	17AUG2008 00:00:30.356464	26
19	17AUG2008 00:00:35.290052	63	17AUG2008 00:00:35.290052	46

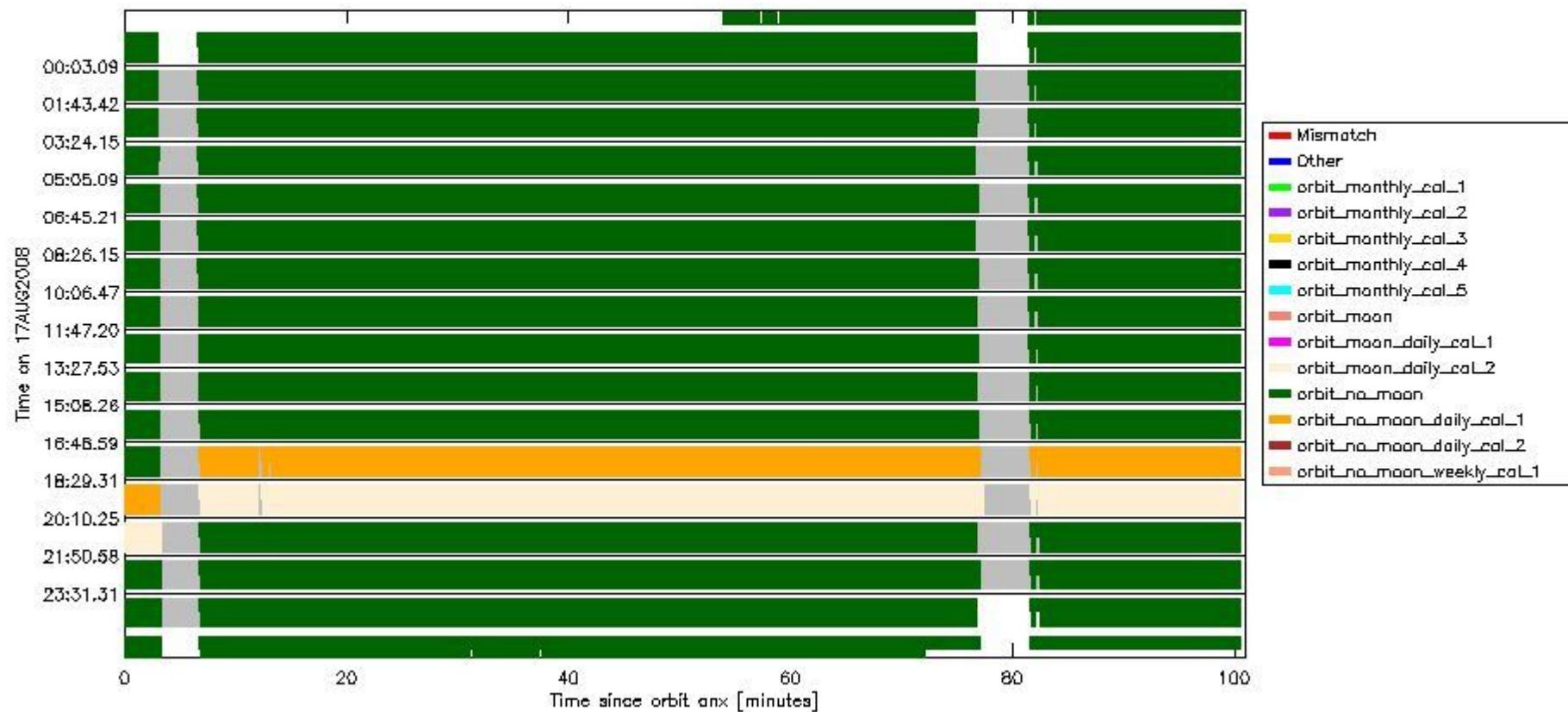


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080817_5.PNG

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 17AUG2008.
 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_4303_N_20080817_6.PNG

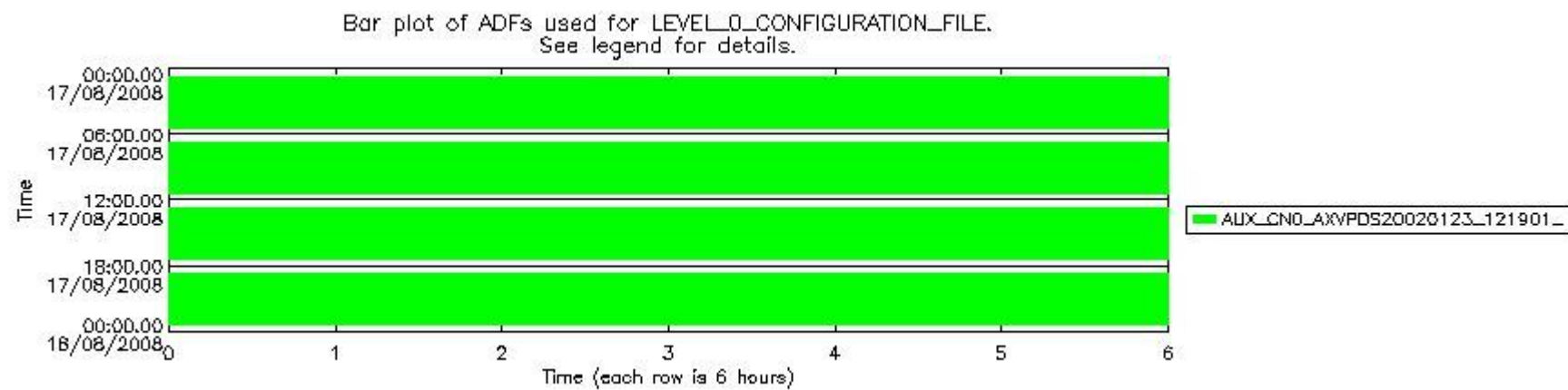
0.4 ADF monitoring

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

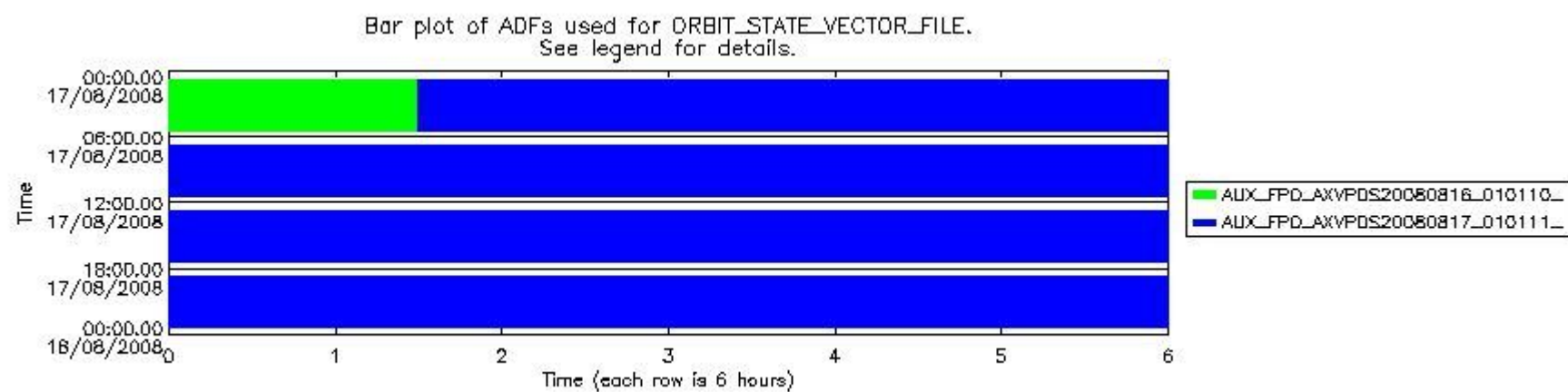
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20080816_010110_20080815_193255_20080825_205908
2	AUX_FPO_AXVPDS20080817_010111_20080816_190118_20080826_202731



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080817_7.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080817_8.PNG

