

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	08AUG2008 05:15:07
Data source version	KSPT_L0/4303-N
Processing scope for products	04AUG2008 00:00:00 to 05AUG2008 00:00:00
Start time of first product within scope	03AUG2008 23:59:19
Stop time of last product within scope	05AUG2008 01:08:26
Total number of level 0 products	18
Number of level 0 products with errors	4

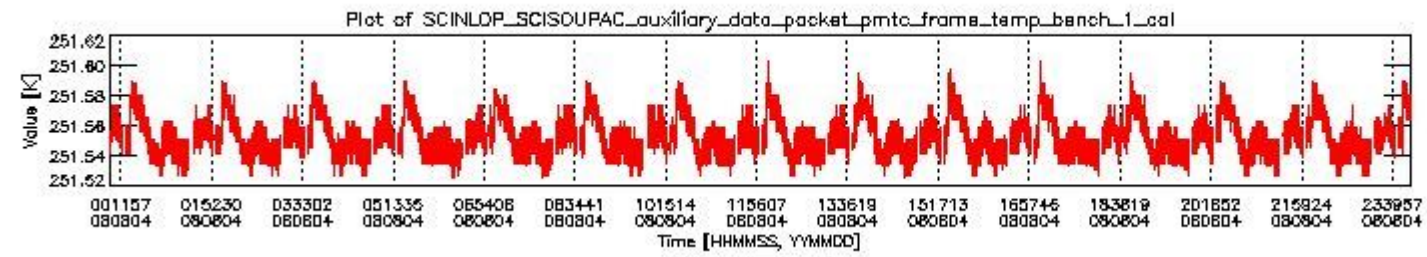
0.1.2 Summary per product

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

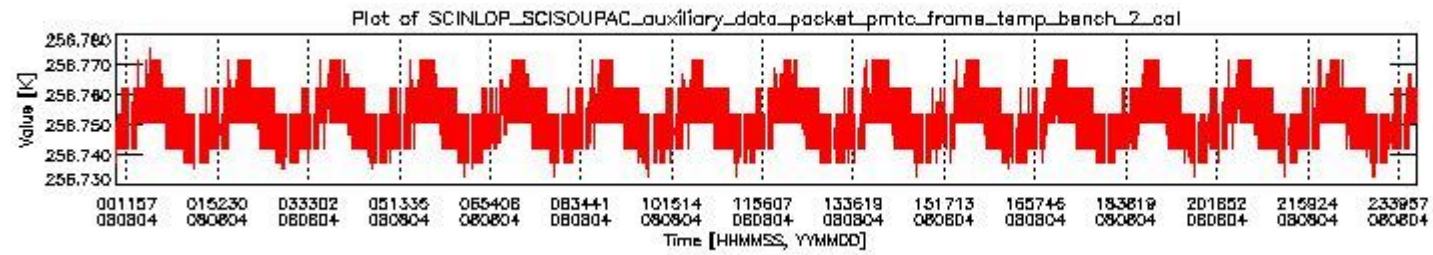
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080803_235919_000059922070_00488_33608_7241.N1	03AUG2008 23:59:19	04AUG2008 01:39:10	0	0	0	0	0
1	SCI_NL__OPNPDE20080804_013827_000046842070_00489_33609_7242.N1	04AUG2008 01:38:27	04AUG2008 02:56:31	0	0	0	0	0
2	SCI_NL__OPNPDE20080804_025631_000057872070_00490_33610_7243.N1	04AUG2008 02:56:31	04AUG2008 04:32:58	0	0	0	0	0
3	SCI_NL__OPNPDE20080804_043202_000061482070_00491_33611_7244.N1	04AUG2008 04:32:02	04AUG2008 06:14:30	0	0	0	0	0
4	SCI_NL__OPNPDK20080804_061335_000041142070_00492_33612_8944.N1	04AUG2008 06:13:35	04AUG2008 07:22:08	1	1	0	0	0
5	SCI_NL__OPNPDK20080804_072208_000061482070_00493_33613_8945.N1	04AUG2008 07:22:08	04AUG2008 09:04:36	0	0	0	0	0
6	SCI_NL__OPNPDK20080804_090341_000056632070_00494_33614_8946.N1	04AUG2008 09:03:41	04AUG2008 10:38:03	1	1	1	0	1
7	SCI_NL__OPNPDK20080804_103803_000003172070_00495_33615_8947.N1	04AUG2008 10:38:03	04AUG2008 10:43:21	1	1	1	0	1
8	SCI_NL__OPNPDK20080804_104212_000060362070_00495_33615_8948.N1	04AUG2008 10:42:12	04AUG2008 12:22:48	0	0	0	0	0
9	SCI_NL__OPNPDK20080804_122248_000059122070_00496_33616_8949.N1	04AUG2008 12:22:48	04AUG2008 14:01:20	0	0	0	0	0
10	SCI_NL__OPNPDK20080804_140120_000059122070_00497_33617_8950.N1	04AUG2008 14:01:20	04AUG2008 15:39:52	0	0	0	0	0
11	SCI_NL__OPNPDK20080804_153952_000057502070_00498_33618_8951.N1	04AUG2008 15:39:52	04AUG2008 17:15:42	0	0	0	0	0
12	SCI_NL__OPNPDK20080804_171433_000060922070_00499_33619_8952.N1	04AUG2008 17:14:33	04AUG2008 18:56:05	1	1	0	0	0
13	SCI_NL__OPNPDK20080804_185401_000060872070_00500_33620_8953.N1	04AUG2008 18:54:01	04AUG2008 20:35:28	0	0	0	0	0
14	SCI_NL__OPNPDE20080804_203432_000043482070_00501_33621_7245.N1	04AUG2008 20:34:32	04AUG2008 21:47:00	0	0	0	0	0
15	SCI_NL__OPNPDK20080804_214542_000017532070_00501_33621_8954.N1	04AUG2008 21:45:42	04AUG2008 22:14:55	0	0	0	0	0
16	SCI_NL__OPNPDE20080804_221359_000043392071_00001_33622_7246.N1	04AUG2008 22:13:59	04AUG2008 23:26:19	0	0	0	0	0
17	SCI_NL__OPNPDE20080804_232535_000061712071_00001_33622_7247.N1	04AUG2008 23:25:35	05AUG2008 01:08:26	0	0	0	0	0

0.2 Product Quality Indicators

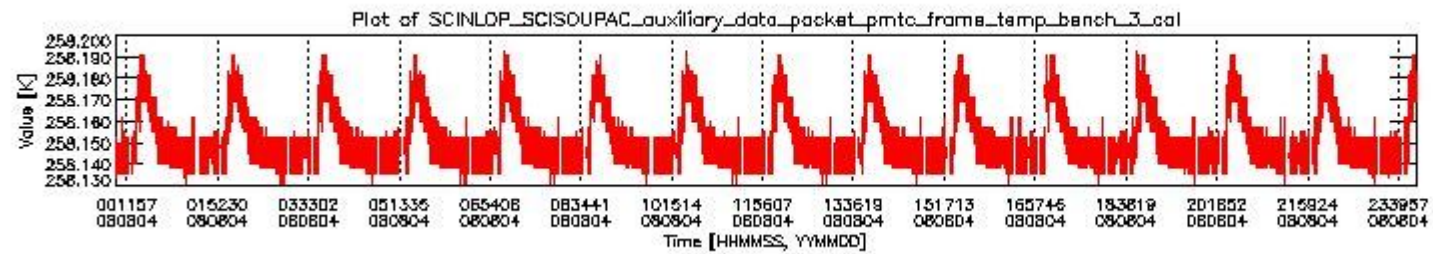
This section shows information about product quality, currently temperatures.



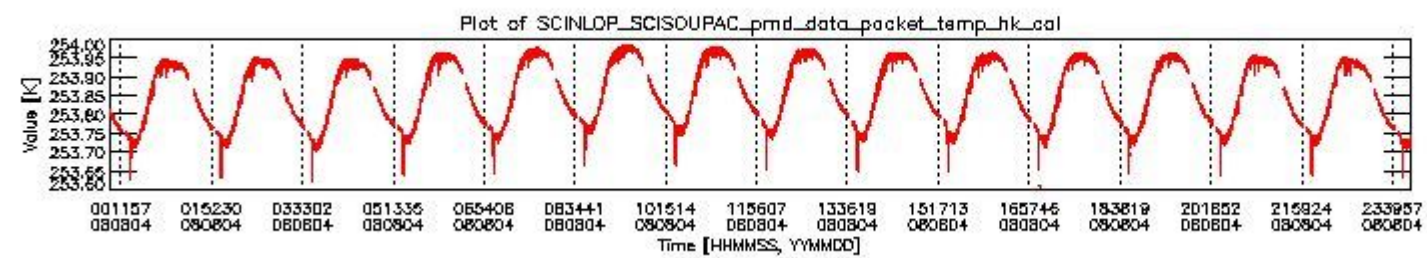
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080804_0.PNG



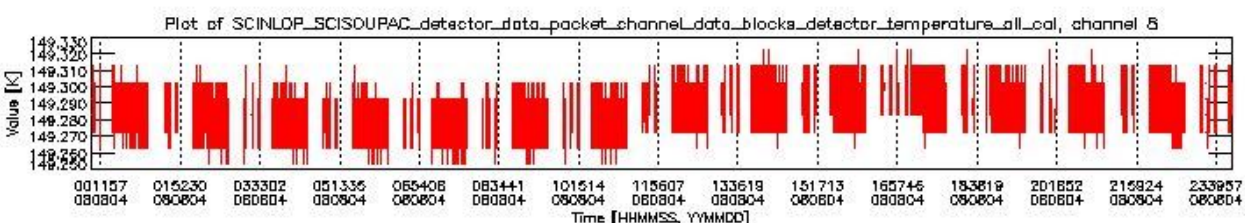
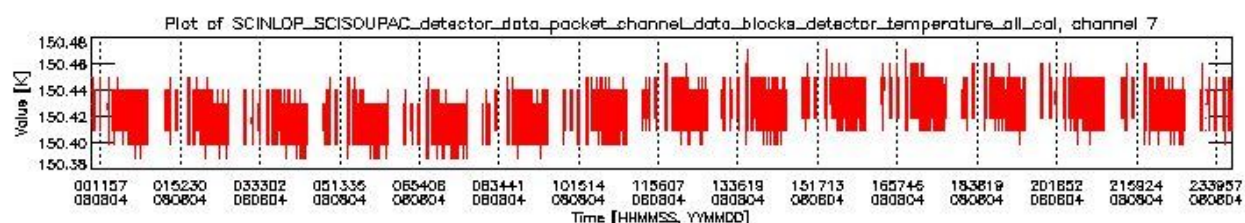
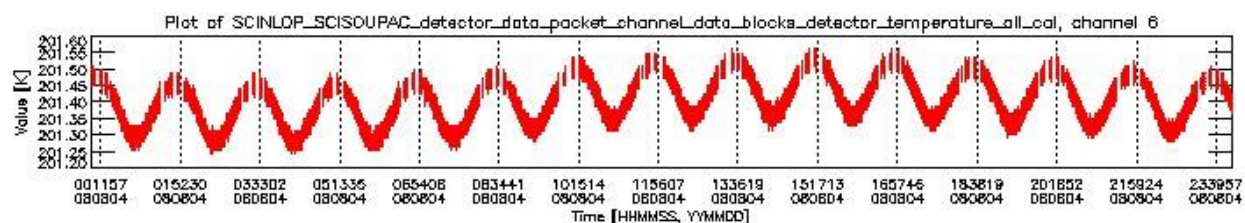
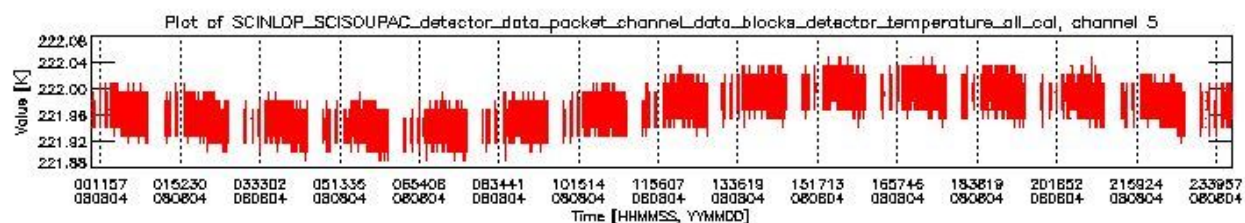
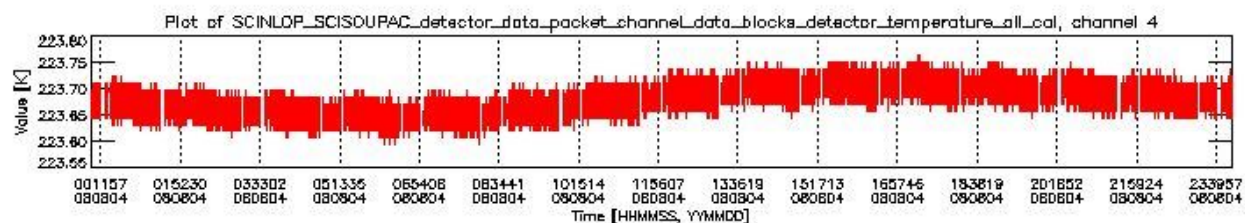
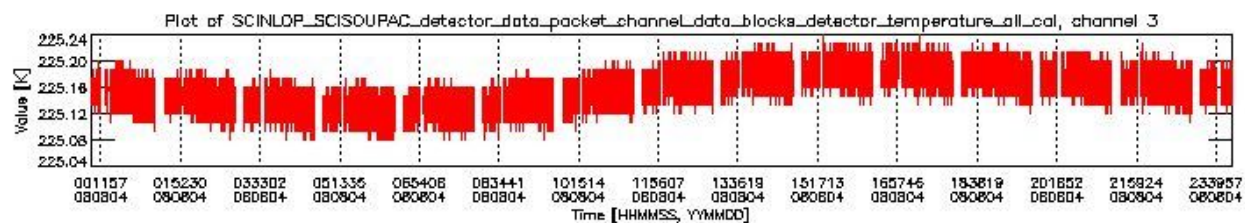
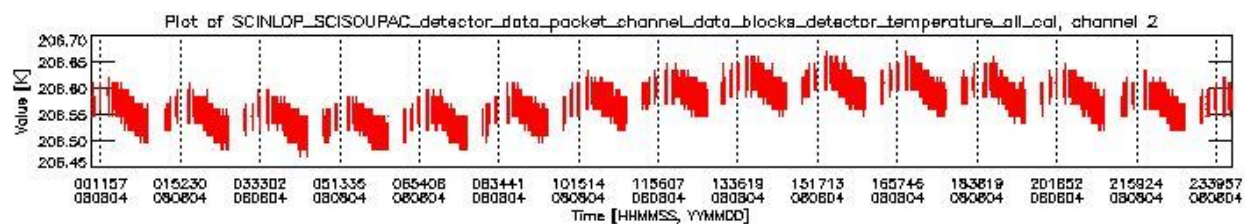
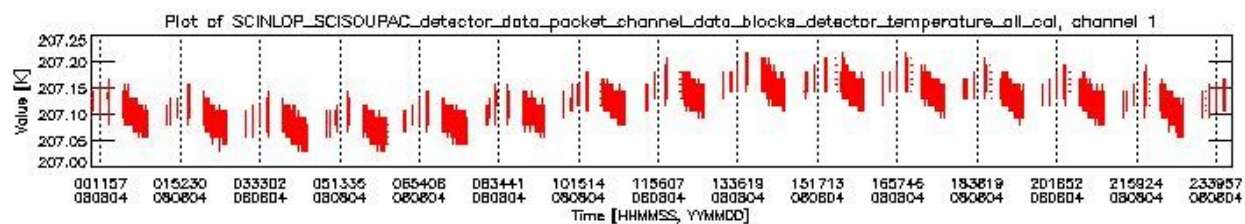
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080804_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080804_3.PNG

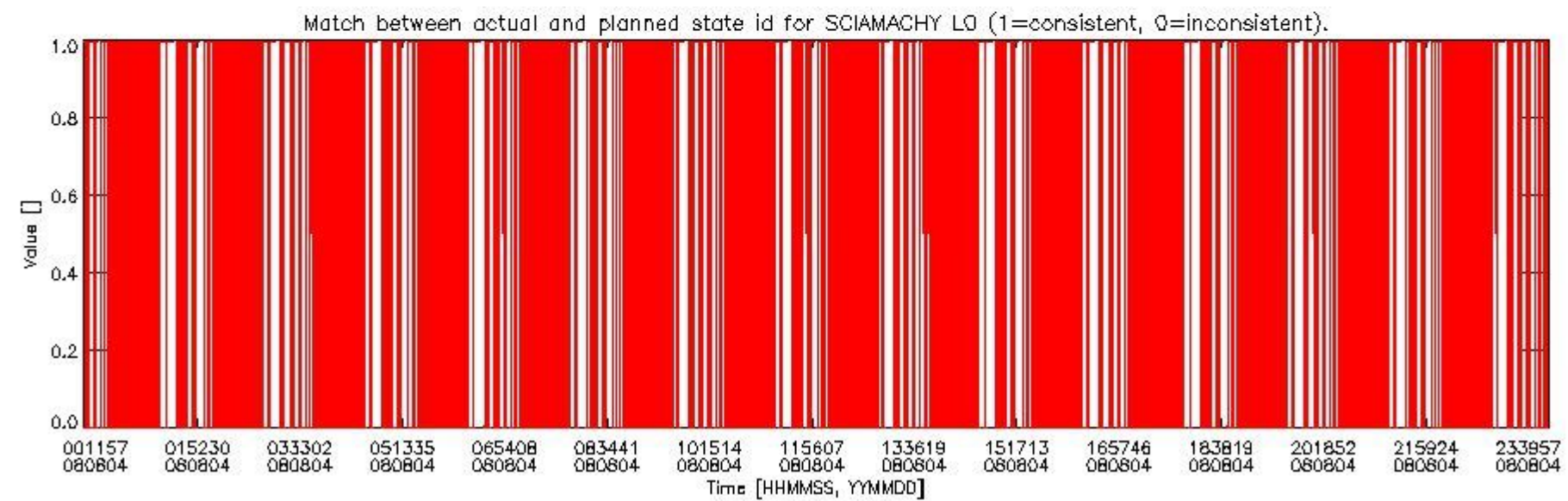
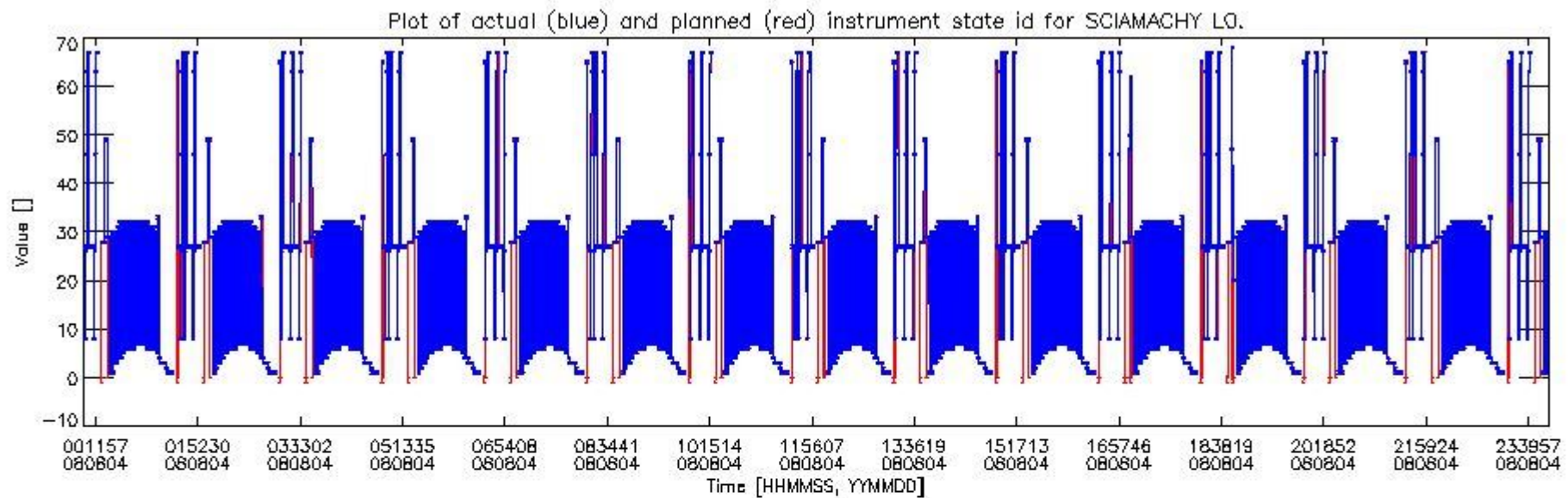


0.3 State monitoring

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: **33705**

#	Actual time	Actual value	Planned time	Planned value
0	04AUG2008 00:01:31.345592	8	04AUG2008 00:01:31.345592	27
1	04AUG2008 00:01:32.470591	8	04AUG2008 00:01:32.470591	27
2	04AUG2008 00:01:33.470626	8	04AUG2008 00:01:33.470626	27
3	04AUG2008 00:01:34.470620	8	04AUG2008 00:01:34.470620	27
4	04AUG2008 00:01:35.470615	8	04AUG2008 00:01:35.470615	27
5	04AUG2008 00:01:36.345605	8	04AUG2008 00:01:36.345605	27
6	04AUG2008 00:01:36.470609	8	04AUG2008 00:01:36.470609	27
7	04AUG2008 00:01:37.470604	8	04AUG2008 00:01:37.470604	27
8	04AUG2008 00:01:38.470598	8	04AUG2008 00:01:38.470598	27
9	04AUG2008 00:02:14.904197	26	04AUG2008 00:02:14.904197	8
10	04AUG2008 00:02:15.529219	26	04AUG2008 00:02:15.529219	8
11	04AUG2008 00:02:16.029196	26	04AUG2008 00:02:16.029196	8
12	04AUG2008 00:02:16.529213	26	04AUG2008 00:02:16.529213	8
13	04AUG2008 00:02:17.029190	26	04AUG2008 00:02:17.029190	8
14	04AUG2008 00:02:17.529208	26	04AUG2008 00:02:17.529208	8
15	04AUG2008 00:02:18.029225	26	04AUG2008 00:02:18.029225	8
16	04AUG2008 00:02:18.529202	26	04AUG2008 00:02:18.529202	8
17	04AUG2008 00:02:19.029220	26	04AUG2008 00:02:19.029220	8
18	04AUG2008 00:02:19.529197	26	04AUG2008 00:02:19.529197	8
19	04AUG2008 00:02:19.904210	26	04AUG2008 00:02:19.904210	8

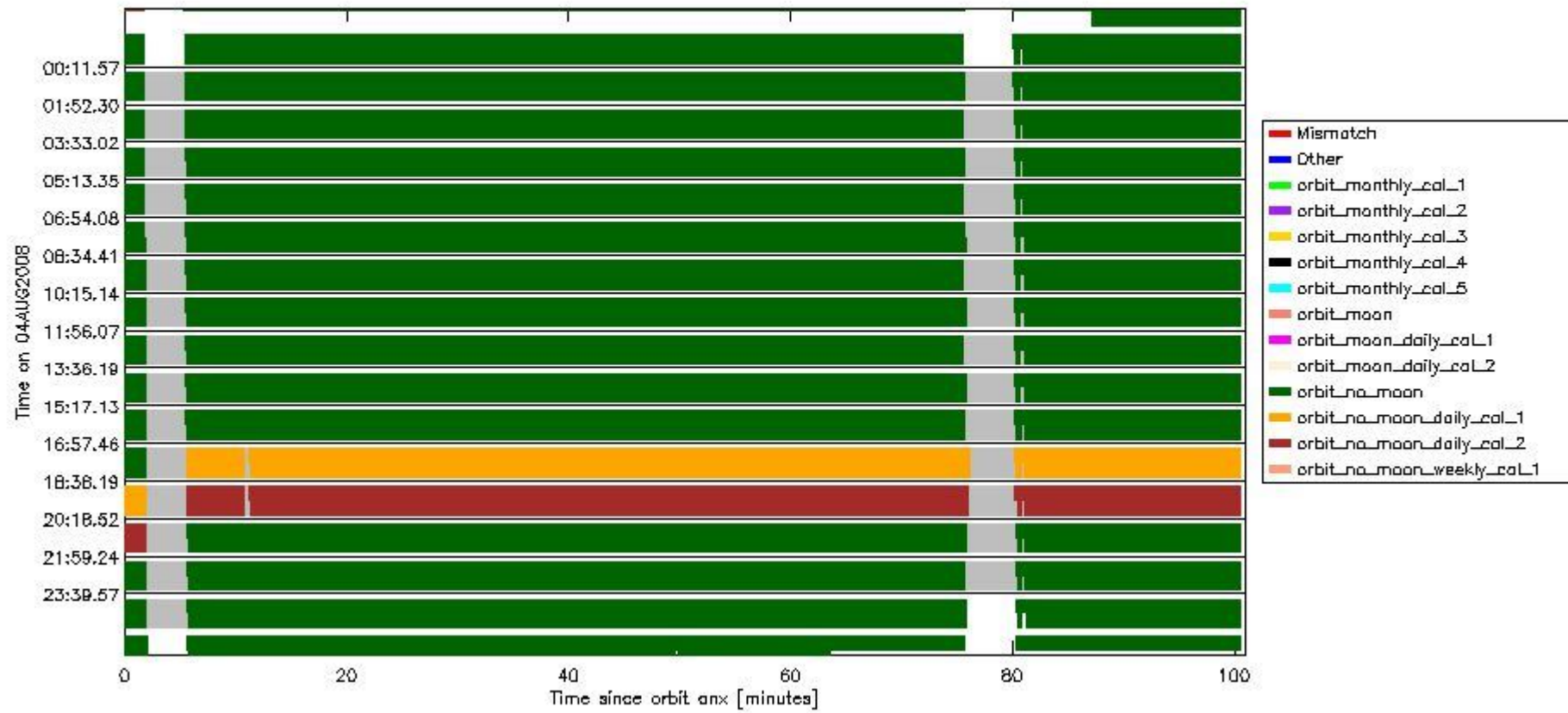


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080804_5.PNG

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 04AUG2008.
 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_20080804_6.PNG

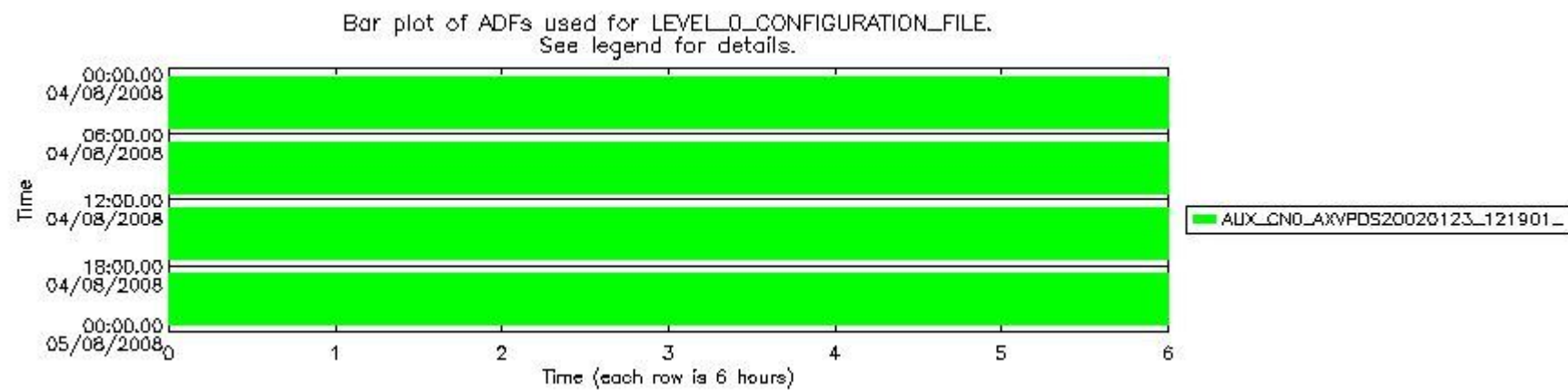
0.4 ADF monitoring

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

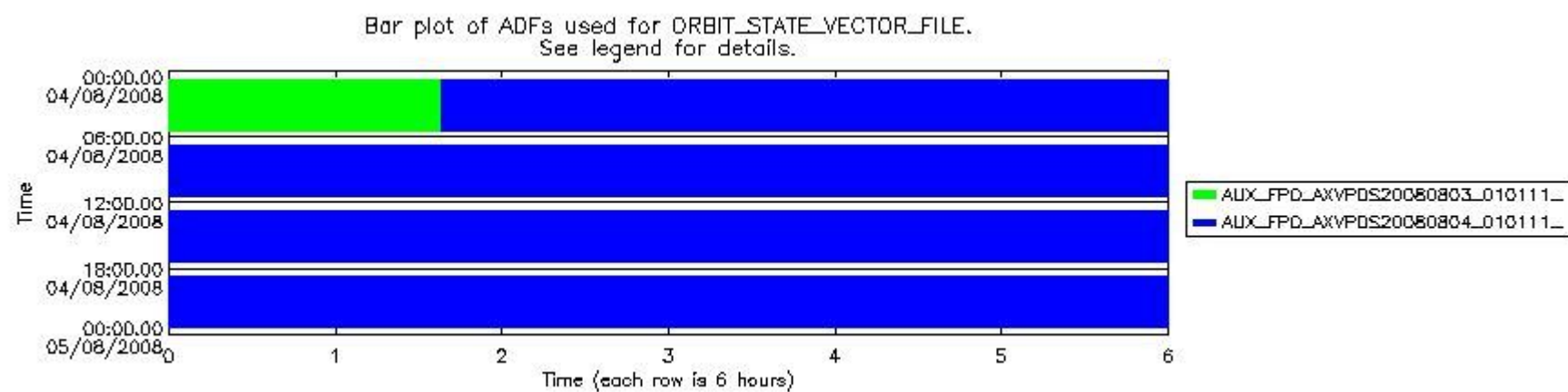
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20080803_010111_20080802_194134_20080812_210747
2	AUX_FPO_AXVPDS20080804_010111_20080803_190957_20080813_203610



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080804_7.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080804_8.PNG

