

0. SCIAMACHY Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Product Quality Indicators](#)

[0.3 State monitoring](#)

[0.4 ADF monitoring](#)

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	10JAN2008 09:08:24
Data source version	KSPT_L0/4302-N
Processing scope for products	06JAN2008 00:00:00 to 07JAN2008 00:00:00
Start time of first product within scope	05JAN2008 22:55:48
Stop time of last product within scope	06JAN2008 23:57:57
Total number of level 0 products	16
Number of level 0 products with errors	0

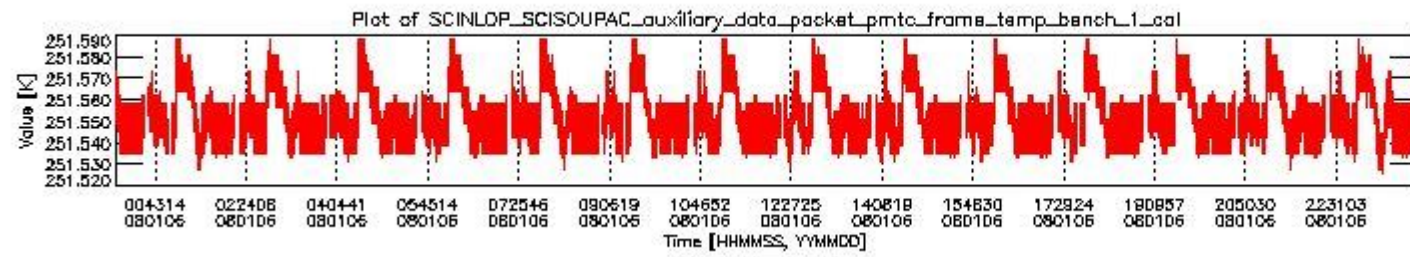
0.1.2 Summary per product

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

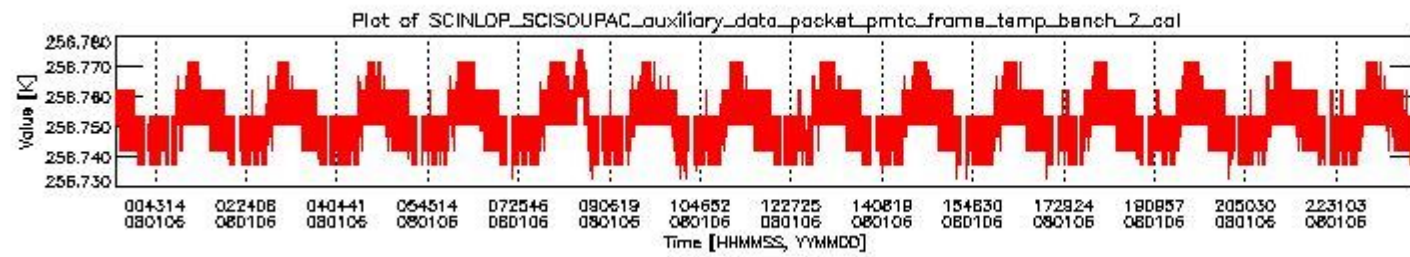
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080105_225548_000056282064_00473_30587_5883.N1	05JAN2008 22:55:48	06JAN2008 00:29:36	0	0	0	0	0
1	SCI_NL__OPNPDE20080106_002936_000059542064_00474_30588_5884.N1	06JAN2008 00:29:36	06JAN2008 02:08:51	0	0	0	0	0
2	SCI_NL__OPNPDE20080106_020742_000045042064_00475_30589_5885.N1	06JAN2008 02:07:42	06JAN2008 03:22:47	0	0	0	0	0
3	SCI_NL__OPNPDE20080106_032247_000061482064_00476_30590_5886.N1	06JAN2008 03:22:47	06JAN2008 05:05:14	0	0	0	0	0
4	SCI_NL__OPNPDE20080106_050514_000060482064_00477_30591_5887.N1	06JAN2008 05:05:14	06JAN2008 06:46:03	0	0	0	0	0
5	SCI_NL__OPNPDK20080106_064603_000040322064_00478_30592_7052.N1	06JAN2008 06:46:03	06JAN2008 07:53:15	0	0	0	0	0
6	SCI_NL__OPNPDK20080106_075219_000061042064_00479_30593_7053.N1	06JAN2008 07:52:19	06JAN2008 09:34:03	0	0	0	0	0
7	SCI_NL__OPNPDK20080106_093159_000061472064_00480_30594_7054.N1	06JAN2008 09:31:59	06JAN2008 11:14:26	0	0	0	0	0
8	SCI_NL__OPNPDK20080106_111235_000060922064_00481_30595_7055.N1	06JAN2008 11:12:35	06JAN2008 12:54:06	0	0	0	0	0
9	SCI_NL__OPNPDK20080106_125310_000057862064_00482_30596_7056.N1	06JAN2008 12:53:10	06JAN2008 14:29:36	0	0	0	0	0
10	SCI_NL__OPNPDK20080106_142936_000060362064_00483_30597_7057.N1	06JAN2008 14:29:36	06JAN2008 16:10:12	0	0	0	0	0
11	SCI_NL__OPNPDK20080106_161012_000058672064_00484_30598_7058.N1	06JAN2008 16:10:12	06JAN2008 17:47:59	0	0	0	0	0
12	SCI_NL__OPNPDK20080106_174703_000060362064_00485_30599_7059.N1	06JAN2008 17:47:03	06JAN2008 19:27:39	0	0	0	0	0
13	SCI_NL__OPNPDK20080106_192739_000058392064_00486_30600_7060.N1	06JAN2008 19:27:39	06JAN2008 21:04:58	0	0	0	0	0
14	SCI_NL__OPNPDE20080106_210330_000044182064_00487_30601_5888.N1	06JAN2008 21:03:30	06JAN2008 22:17:08	0	0	0	0	0
15	SCI_NL__OPNPDE20080106_222410_000056272064_00487_30601_5889.N1	06JAN2008 22:24:10	06JAN2008 23:57:57	0	0	0	0	0

0.2 Product Quality Indicators

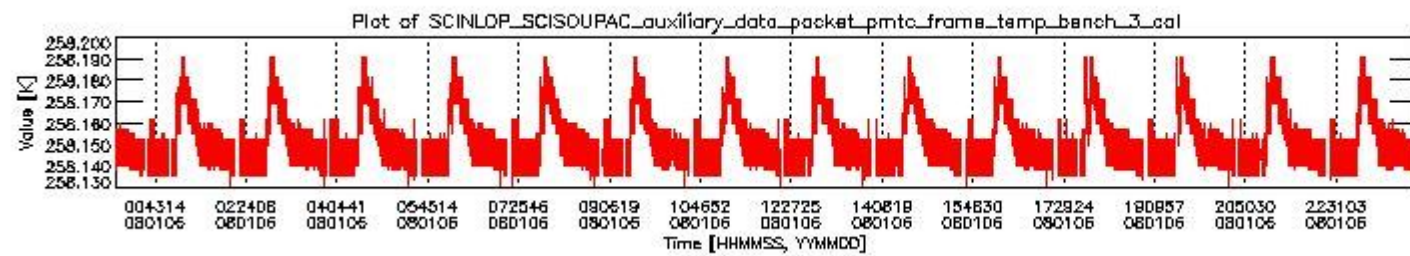
This section shows information about product quality, currently temperatures.



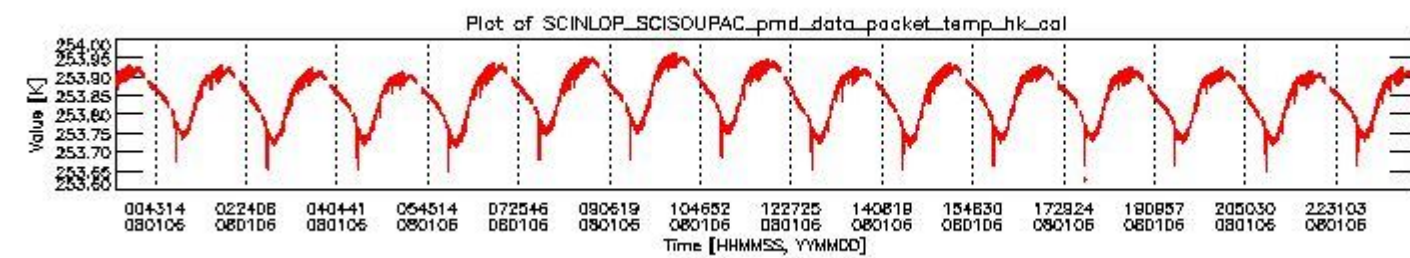
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080106_0.PNG



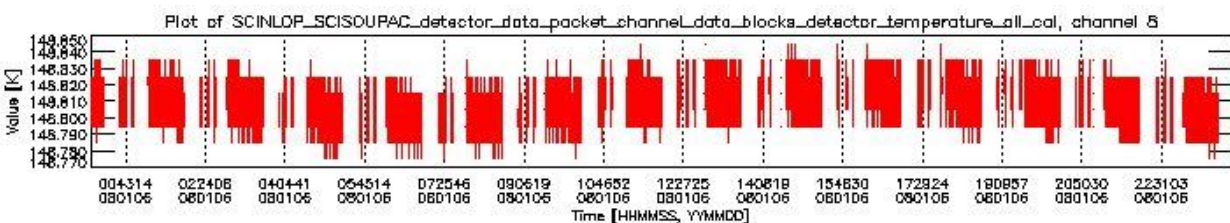
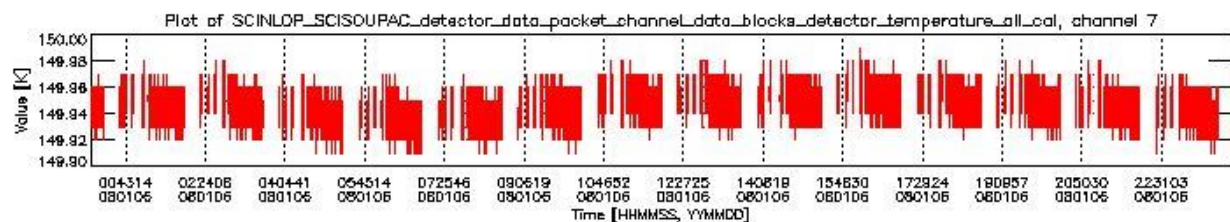
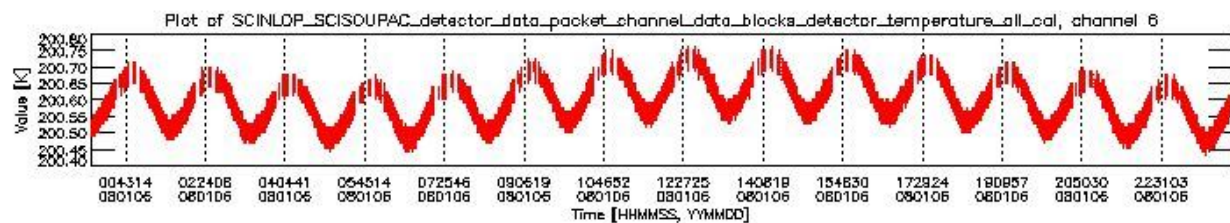
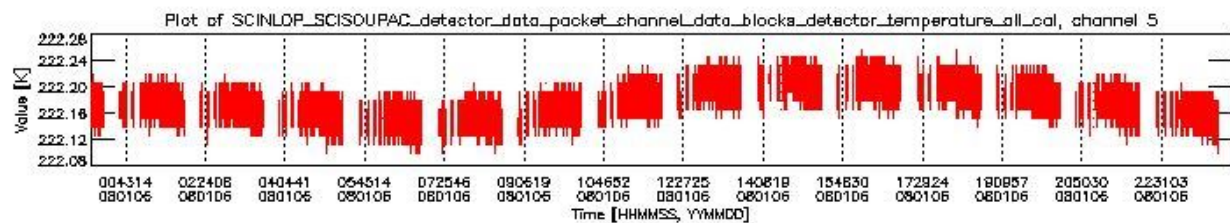
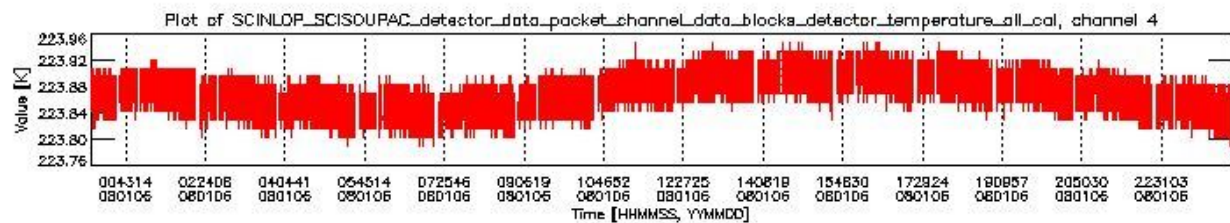
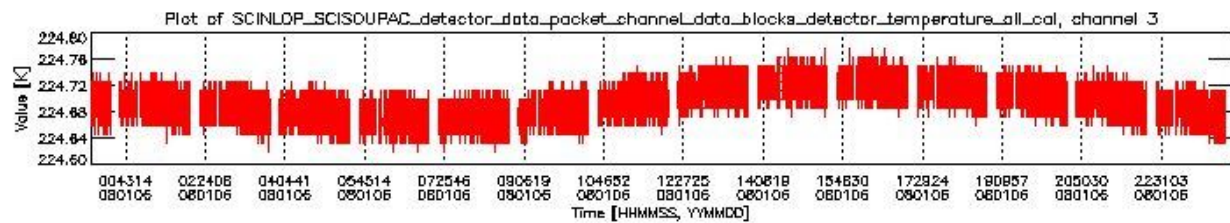
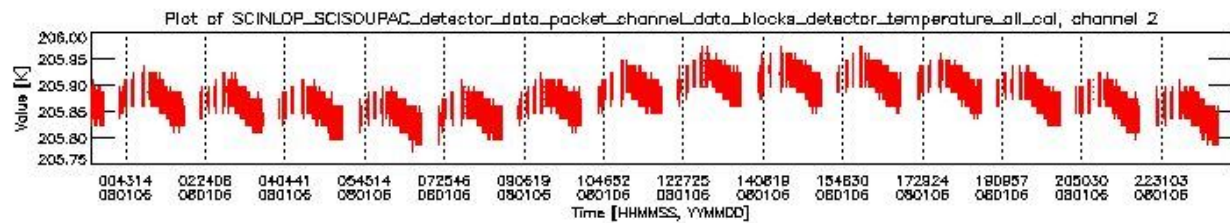
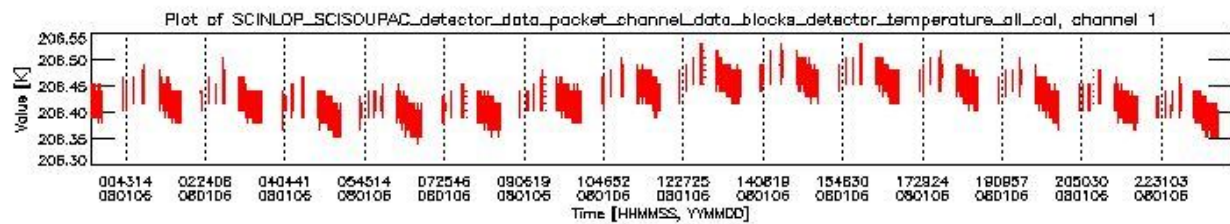
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sciamachy_daily_report_level0_KSPT_L0_4302_N_20080106_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20080106_3.PNG

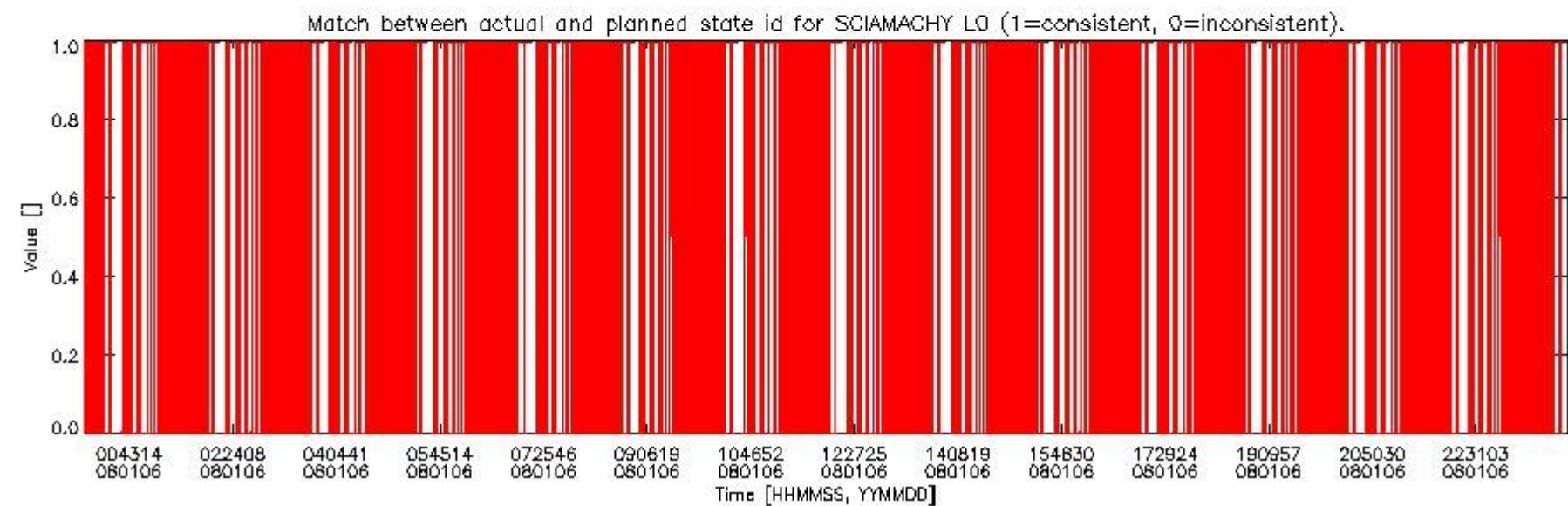
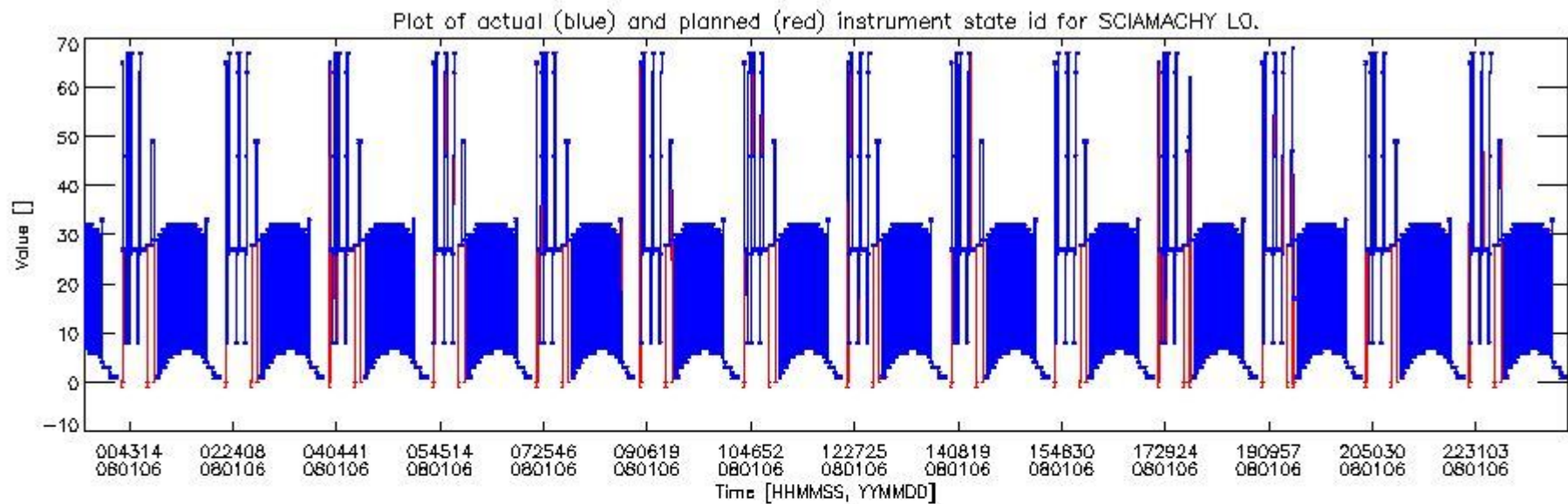


0.3 State monitoring

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: **38573**

#	Actual time	Actual value	Planned time	Planned value
0	06JAN2008 00:00:27.391322	7	06JAN2008 00:00:27.391322	32
1	06JAN2008 00:00:27.766335	7	06JAN2008 00:00:27.766335	32
2	06JAN2008 00:00:28.016303	7	06JAN2008 00:00:28.016303	32
3	06JAN2008 00:00:28.266312	7	06JAN2008 00:00:28.266312	32
4	06JAN2008 00:00:28.516321	7	06JAN2008 00:00:28.516321	32
5	06JAN2008 00:00:28.766330	7	06JAN2008 00:00:28.766330	32
6	06JAN2008 00:00:29.016338	7	06JAN2008 00:00:29.016338	32
7	06JAN2008 00:00:29.266307	7	06JAN2008 00:00:29.266307	32
8	06JAN2008 00:00:29.516315	7	06JAN2008 00:00:29.516315	32
9	06JAN2008 00:00:29.766324	7	06JAN2008 00:00:29.766324	32
10	06JAN2008 00:00:30.016333	7	06JAN2008 00:00:30.016333	32
11	06JAN2008 00:00:30.266301	7	06JAN2008 00:00:30.266301	32
12	06JAN2008 00:00:30.516310	7	06JAN2008 00:00:30.516310	32
13	06JAN2008 00:00:30.766319	7	06JAN2008 00:00:30.766319	32
14	06JAN2008 00:00:31.016327	7	06JAN2008 00:00:31.016327	32
15	06JAN2008 00:00:31.266336	7	06JAN2008 00:00:31.266336	32
16	06JAN2008 00:00:31.516305	7	06JAN2008 00:00:31.516305	32
17	06JAN2008 00:00:31.766313	7	06JAN2008 00:00:31.766313	32
18	06JAN2008 00:00:32.016322	7	06JAN2008 00:00:32.016322	32
19	06JAN2008 00:00:32.266331	7	06JAN2008 00:00:32.266331	32

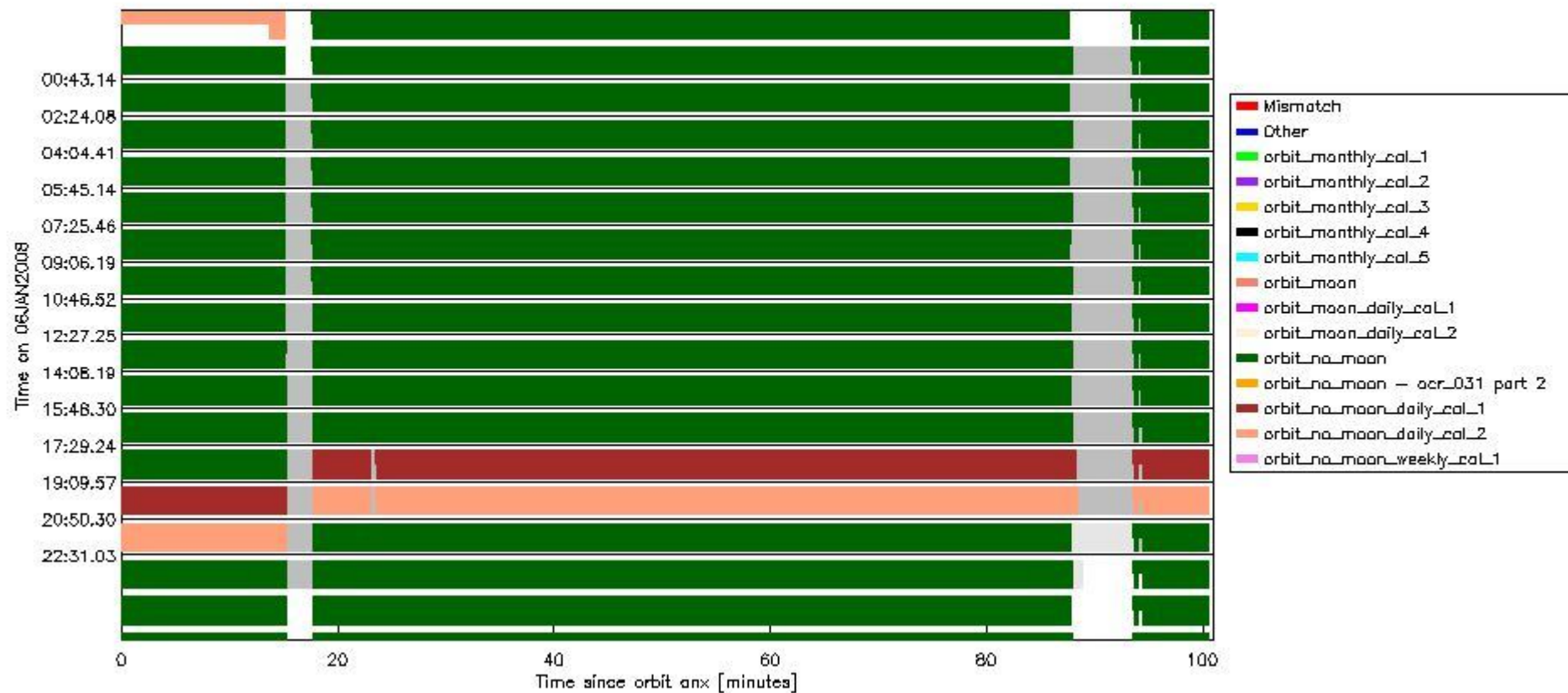


sciamachy_daily_report_level0_KSPT_L0_4302_N_20080106_5.PNG

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 06JAN2008.
 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_20080106_6.PNG

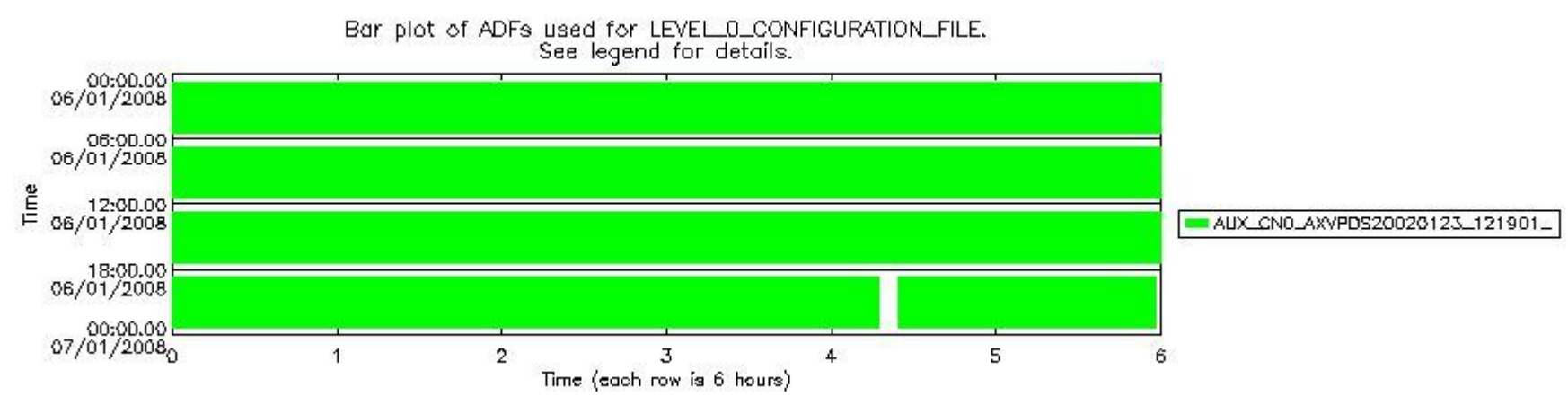
0.4 ADF monitoring

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

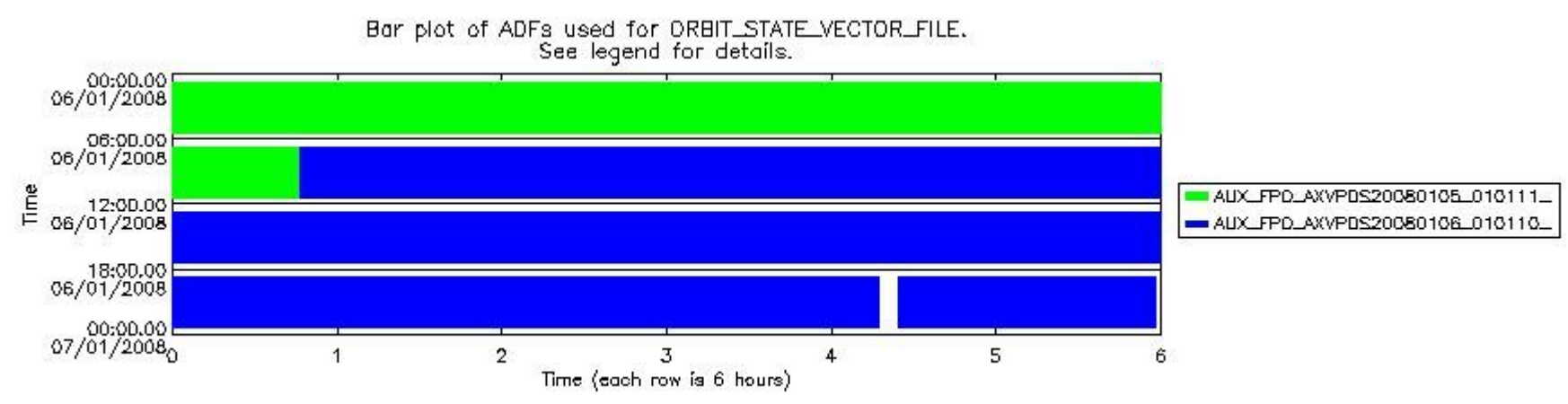
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20080105_010111_20080103_190411_20080113_203024
2	AUX_FPO_AXVPDS20080106_010110_20080105_194133_20080115_210746



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sciamachy_daily_report_level0_KSPT_L0_4302_N_20080106_8.PNG

