

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	01NOV2008 06:14:00
Data source version	KSPT_L0/4303-N
Processing scope for products	28OCT2008 00:00:00 to 29OCT2008 00:00:00
Start time of first product within scope	27OCT2008 22:49:19
Stop time of last product within scope	29OCT2008 01:33:01
Total number of level 0 products	17
Number of level 0 products with errors	2

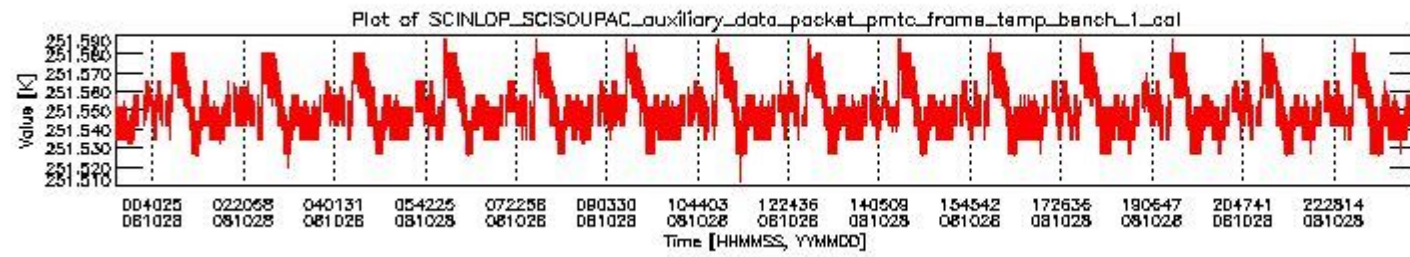
0.1.2 Summary per product

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

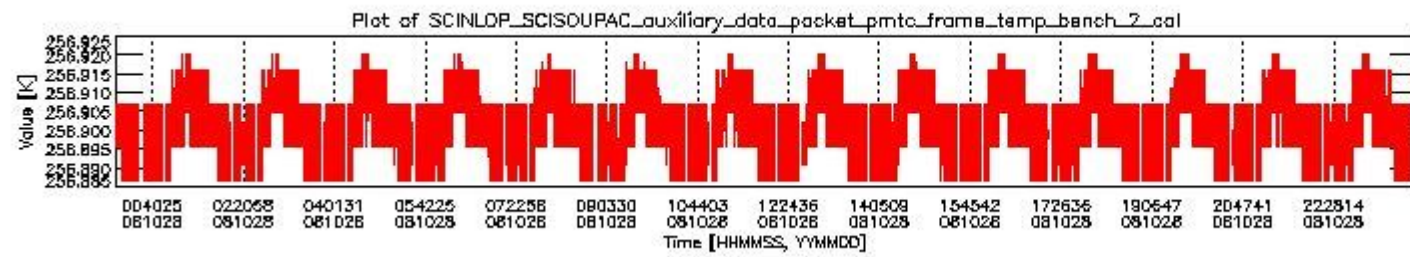
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081027_224919_000056892073_00201_34824_7794.N1	27OCT2008 22:49:19	28OCT2008 00:24:08	0	0	0	0	0
1	SCI_NL__OPNPDE20081028_002955_000056772073_00202_34825_7795.N1	28OCT2008 00:29:55	28OCT2008 02:04:32	0	0	0	0	0
2	SCI_NL__OPNPDE20081028_020323_000046172073_00203_34826_7796.N1	28OCT2008 02:03:23	28OCT2008 03:20:20	0	0	0	0	0
3	SCI_NL__OPNPDE20081028_032020_000061612073_00204_34827_7797.N1	28OCT2008 03:20:20	28OCT2008 05:03:01	0	0	0	0	0
4	SCI_NL__OPNPDE20081028_050153_000061052073_00205_34828_7798.N1	28OCT2008 05:01:53	28OCT2008 06:43:38	0	0	0	0	0
5	SCI_NL__OPNPDK20081028_064242_000041572073_00206_34829_9785.N1	28OCT2008 06:42:42	28OCT2008 07:51:59	0	0	0	0	0
6	SCI_NL__OPNPDK20081028_075103_000060362073_00207_34830_9786.N1	28OCT2008 07:51:03	28OCT2008 09:31:39	0	0	0	0	0
7	SCI_NL__OPNPDK20081028_093044_000060922073_00208_34831_9787.N1	28OCT2008 09:30:44	28OCT2008 11:12:16	0	0	0	0	0
8	SCI_NL__OPNPDK20081028_111107_000059802073_00209_34832_9788.N1	28OCT2008 11:11:07	28OCT2008 12:50:48	0	0	0	0	0
9	SCI_NL__OPNPDK20081028_125048_000058562073_00210_34833_9789.N1	28OCT2008 12:50:48	28OCT2008 14:28:24	0	0	0	0	0
10	SCI_NL__OPNPDK20081028_142632_000058992073_00211_34834_9790.N1	28OCT2008 14:26:32	28OCT2008 16:04:50	0	0	0	0	0
11	SCI_NL__OPNPDK20081028_160450_000060362073_00212_34835_9791.N1	28OCT2008 16:04:50	28OCT2008 17:45:27	1	1	0	0	0
12	SCI_NL__OPNPDK20081028_174430_000059812073_00213_34836_9792.N1	28OCT2008 17:44:30	28OCT2008 19:24:10	1	1	0	0	0
13	SCI_NL__OPNPDK20081028_192315_000057212073_00214_34837_9793.N1	28OCT2008 19:23:15	28OCT2008 20:58:36	0	0	0	0	0
14	SCI_NL__OPNPDE20081028_210255_000041332073_00215_34838_7799.N1	28OCT2008 21:02:55	28OCT2008 22:11:48	0	0	0	0	0
15	SCI_NL__OPNPDE20081028_221748_000056892073_00215_34838_7800.N1	28OCT2008 22:17:48	28OCT2008 23:52:37	0	0	0	0	0
16	SCI_NL__OPNPDE20081028_235824_000056772073_00216_34839_7801.N1	28OCT2008 23:58:24	29OCT2008 01:33:01	0	0	0	0	0

0.2 Product Quality Indicators

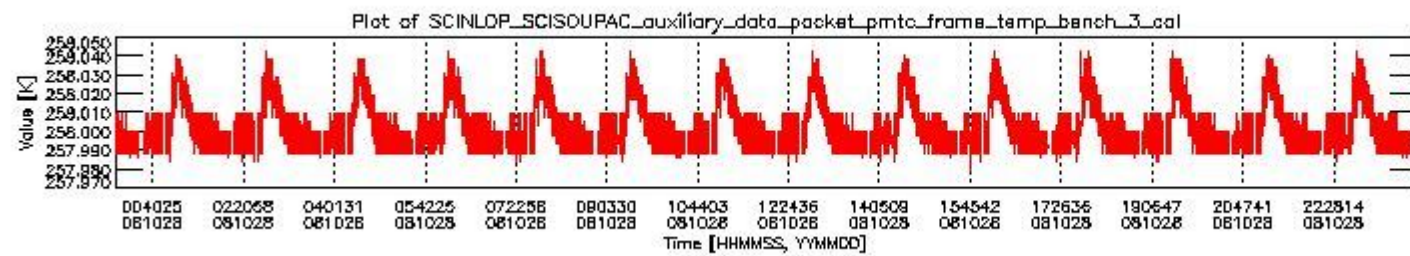
This section shows information about product quality, currently temperatures.



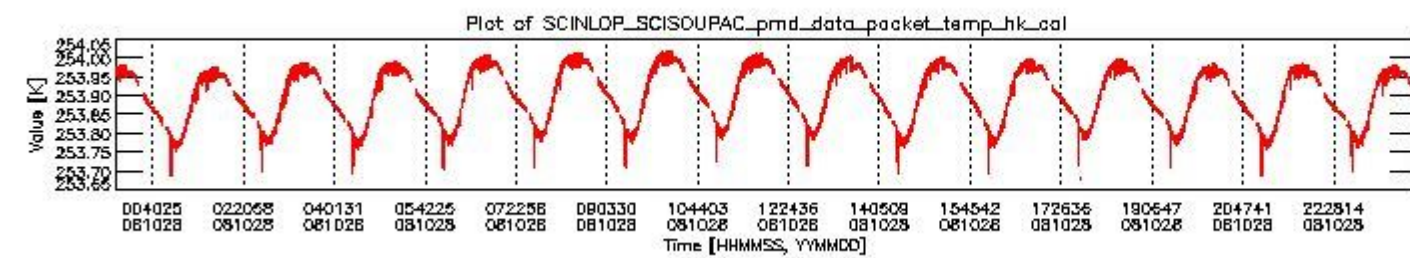
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081028_0.PNG



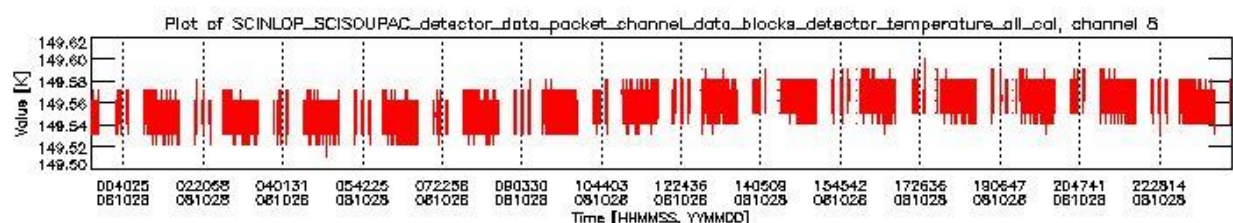
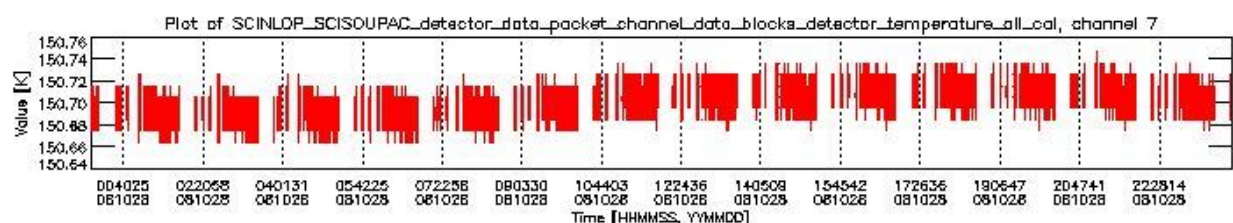
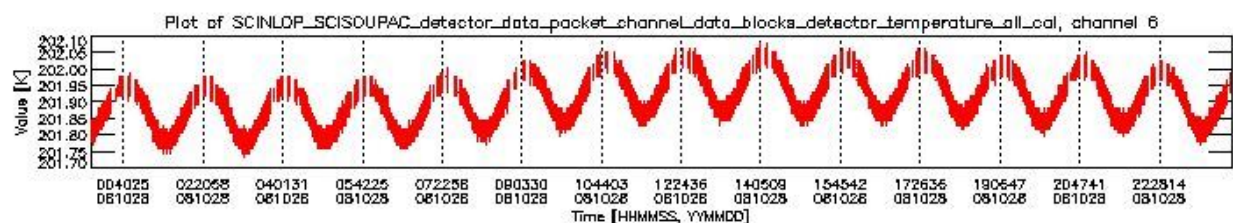
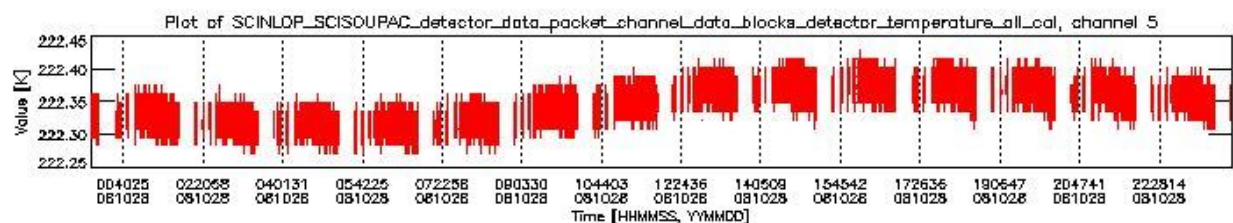
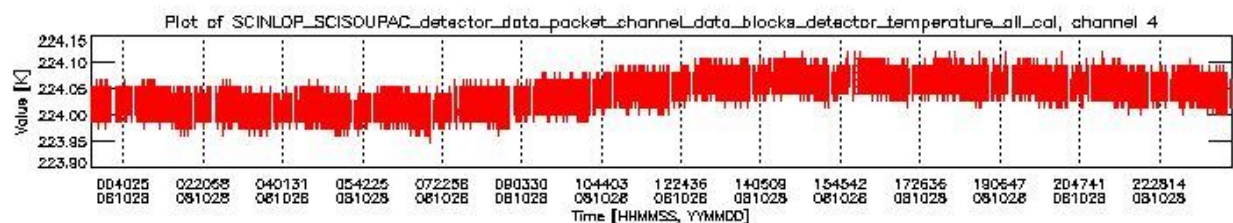
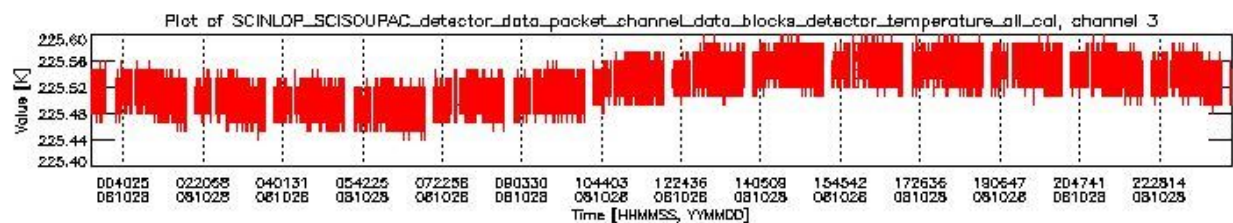
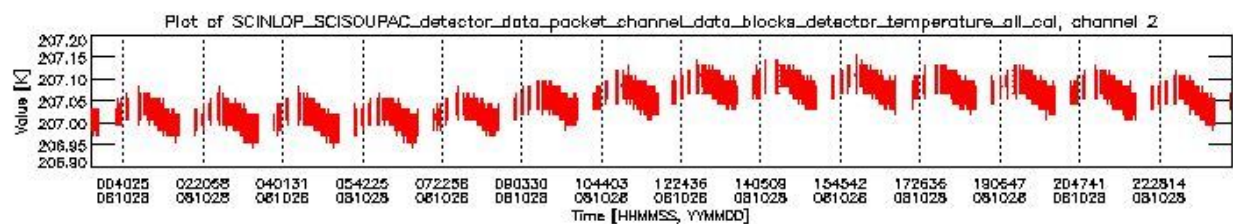
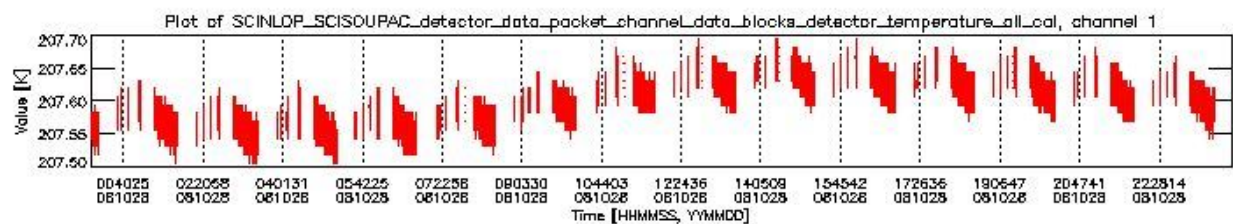
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20081028_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081028_3.PNG

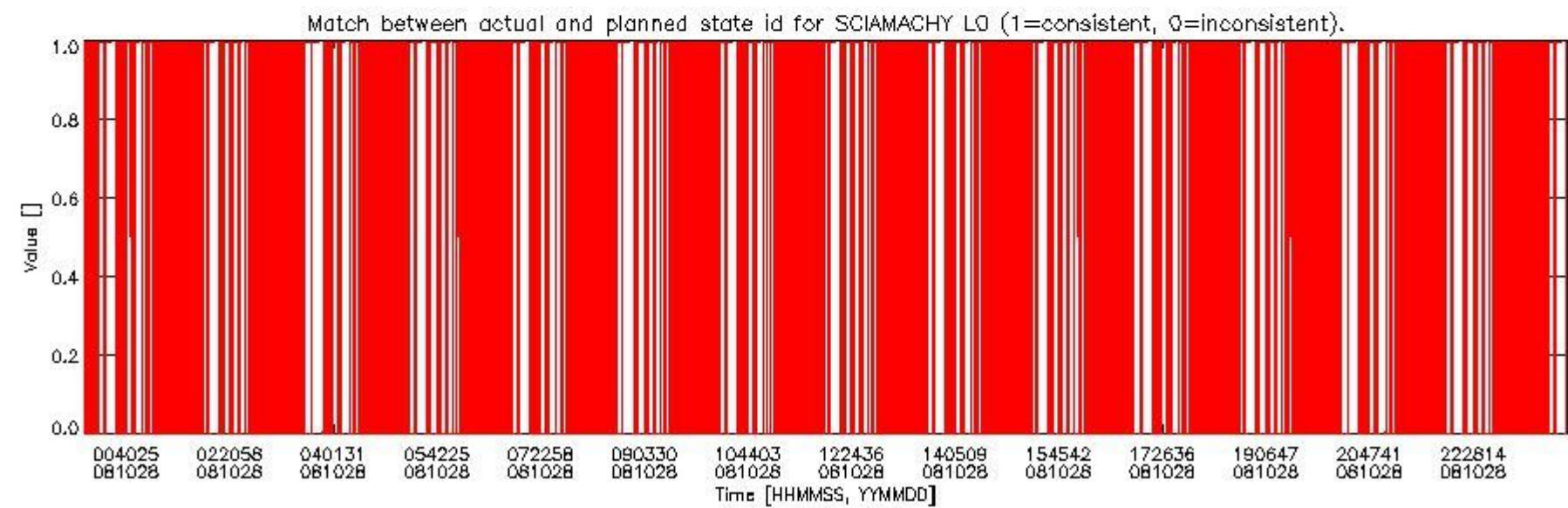
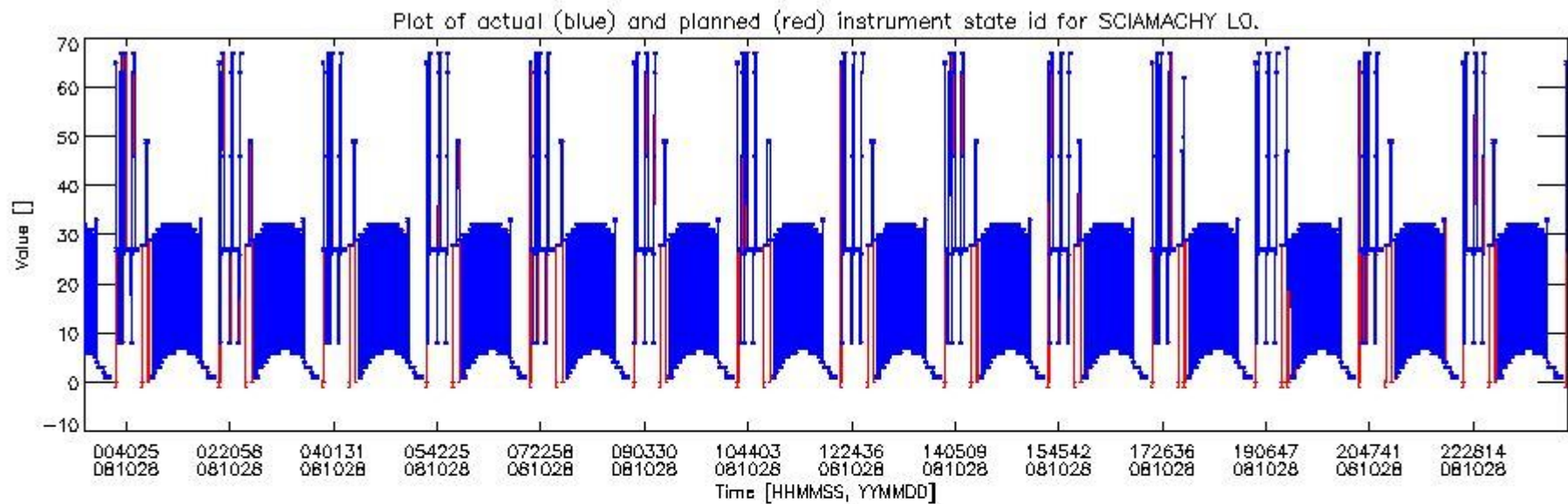


0.3 State monitoring

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: **49209**

#	Actual time	Actual value	Planned time	Planned value
0	28OCT2008 00:00:16.739760	32	28OCT2008 00:00:16.739760	6
1	28OCT2008 00:00:17.364742	32	28OCT2008 00:00:17.364742	6
2	28OCT2008 00:00:17.739755	32	28OCT2008 00:00:17.739755	6
3	28OCT2008 00:00:18.114768	32	28OCT2008 00:00:18.114768	6
4	28OCT2008 00:00:18.677267	32	28OCT2008 00:00:18.677267	6
5	28OCT2008 00:00:19.052240	32	28OCT2008 00:00:19.052240	6
6	28OCT2008 00:00:19.427253	32	28OCT2008 00:00:19.427253	6
7	28OCT2008 00:00:19.802266	32	28OCT2008 00:00:19.802266	6
8	28OCT2008 00:00:20.364766	32	28OCT2008 00:00:20.364766	6
9	28OCT2008 00:00:20.739739	32	28OCT2008 00:00:20.739739	6
10	28OCT2008 00:00:21.114752	32	28OCT2008 00:00:21.114752	6
11	28OCT2008 00:00:21.489765	32	28OCT2008 00:00:21.489765	6
12	28OCT2008 00:00:21.739773	32	28OCT2008 00:00:21.739773	6
13	28OCT2008 00:00:22.052264	32	28OCT2008 00:00:22.052264	6
14	28OCT2008 00:00:22.427277	32	28OCT2008 00:00:22.427277	6
15	28OCT2008 00:00:22.802250	32	28OCT2008 00:00:22.802250	6
16	28OCT2008 00:00:23.177263	32	28OCT2008 00:00:23.177263	6
17	28OCT2008 00:00:23.739763	32	28OCT2008 00:00:23.739763	6
18	28OCT2008 00:00:24.114776	32	28OCT2008 00:00:24.114776	6
19	28OCT2008 00:00:24.489748	32	28OCT2008 00:00:24.489748	6

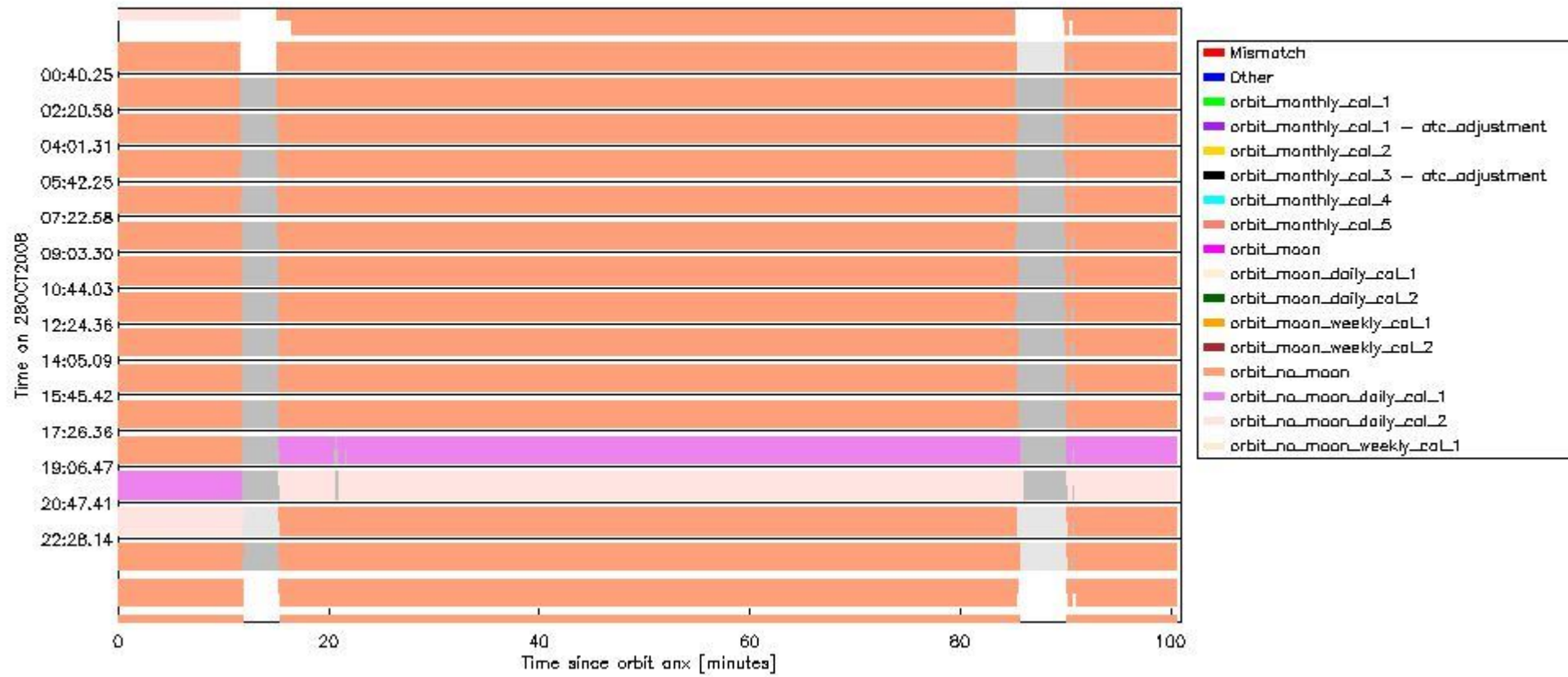


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081028_5.PNG

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 28OCT2008.
 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_20081028_6.PNG

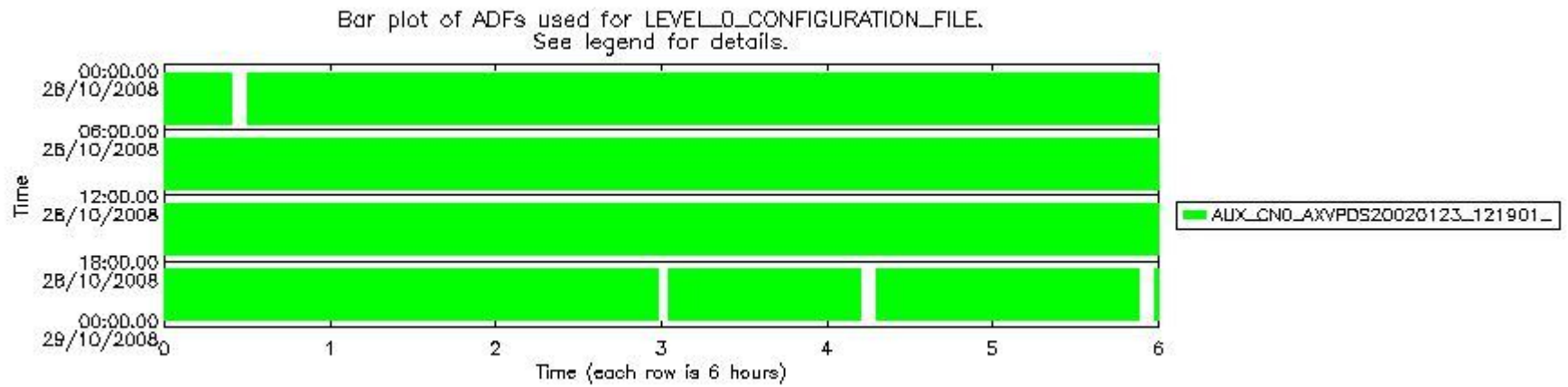
0.4 ADF monitoring

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

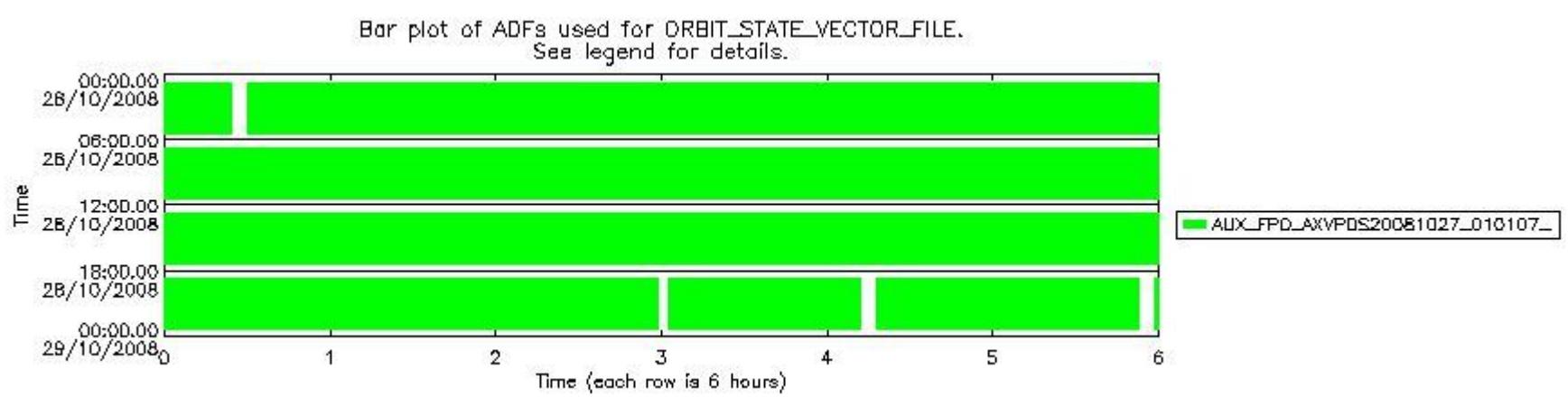
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20081027_010107_20081026_182940_20081105_213628



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081028_7.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081028_8.PNG

