

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	14APR2008 05:25:22
Data source version	KSPT_L0/4303-N
Processing scope for products	10APR2008 00:00:00 to 11APR2008 00:00:00
Start time of first product within scope	09APR2008 23:04:19
Stop time of last product within scope	11APR2008 00:13:39
Total number of level 0 products	16
Number of level 0 products with errors	1

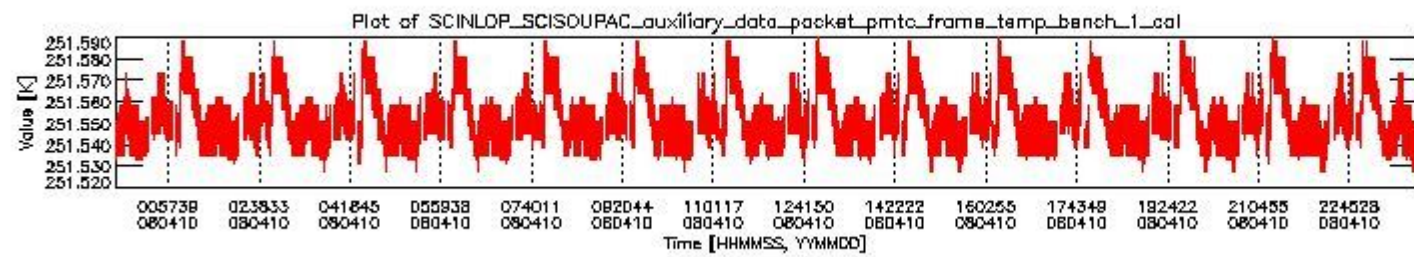
0.1.2 Summary per product

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

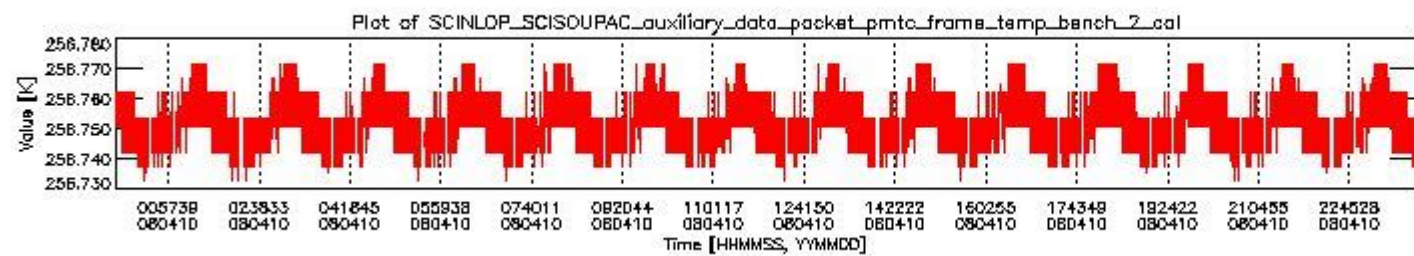
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080409_230419_000060642067_00330_31947_6290.N1	09APR2008 23:04:19	10APR2008 00:45:23	0	0	0	0	0
1	SCI_NL__OPNPDE20080410_004439_000059162067_00331_31948_6291.N1	10APR2008 00:44:39	10APR2008 02:23:15	0	0	0	0	0
2	SCI_NL__OPNPDE20080410_022231_000045192067_00332_31949_6292.N1	10APR2008 02:22:31	10APR2008 03:37:50	0	0	0	0	0
3	SCI_NL__OPNPDE20080410_033654_000062292067_00333_31950_6293.N1	10APR2008 03:36:54	10APR2008 05:20:43	0	0	0	0	0
4	SCI_NL__OPNPDE20080410_051934_000060912067_00334_31951_6294.N1	10APR2008 05:19:34	10APR2008 07:01:06	0	0	0	0	0
5	SCI_NL__OPNPDK20080410_070010_000040452067_00335_31952_7909.N1	10APR2008 07:00:10	10APR2008 08:07:35	0	0	0	0	0
6	SCI_NL__OPNPDK20080410_080639_000062162067_00336_31953_7910.N1	10APR2008 08:06:39	10APR2008 09:50:14	0	0	0	0	0
7	SCI_NL__OPNPDK20080410_095014_000059112067_00337_31954_7911.N1	10APR2008 09:50:14	10APR2008 11:28:45	0	0	0	0	0
8	SCI_NL__OPNPDK20080410_112845_000059672067_00338_31955_7912.N1	10APR2008 11:28:45	10APR2008 13:08:12	0	0	0	0	0
9	SCI_NL__OPNPDK20080410_130812_000059242067_00339_31956_7913.N1	10APR2008 13:08:12	10APR2008 14:46:56	0	0	0	0	0
10	SCI_NL__OPNPDK20080410_144656_000057182067_00340_31957_7914.N1	10APR2008 14:46:56	10APR2008 16:22:14	0	0	0	0	0
11	SCI_NL__OPNPDK20080410_162106_000060682067_00341_31958_7915.N1	10APR2008 16:21:06	10APR2008 18:02:14	1	1	0	0	0
12	SCI_NL__OPNPDK20080410_180105_000059802067_00342_31959_7916.N1	10APR2008 18:01:05	10APR2008 19:40:45	0	0	0	0	0
13	SCI_NL__OPNPDE20080410_193949_000041512067_00343_31960_6295.N1	10APR2008 19:39:49	10APR2008 20:49:00	0	0	0	0	0
14	SCI_NL__OPNPDE20080410_204816_000063752067_00343_31960_6296.N1	10APR2008 20:48:16	10APR2008 22:34:32	0	0	0	0	0
15	SCI_NL__OPNPDE20080410_223308_000060312067_00344_31961_6297.N1	10APR2008 22:33:08	11APR2008 00:13:39	0	0	0	0	0

0.2 Product Quality Indicators

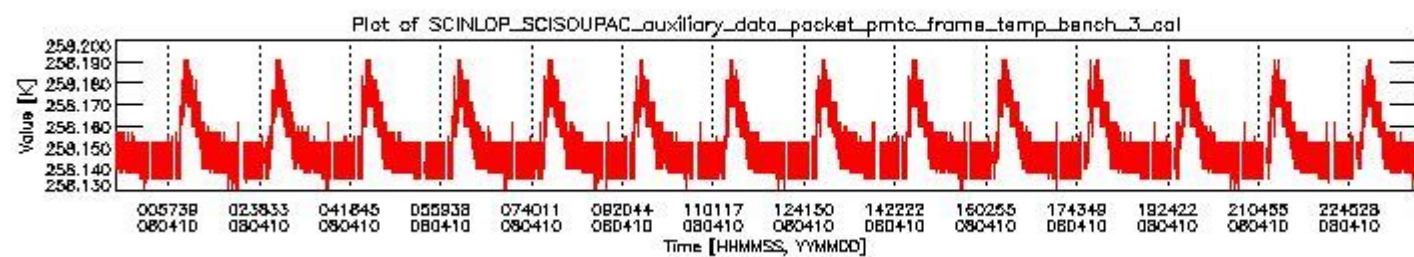
This section shows information about product quality, currently temperatures.



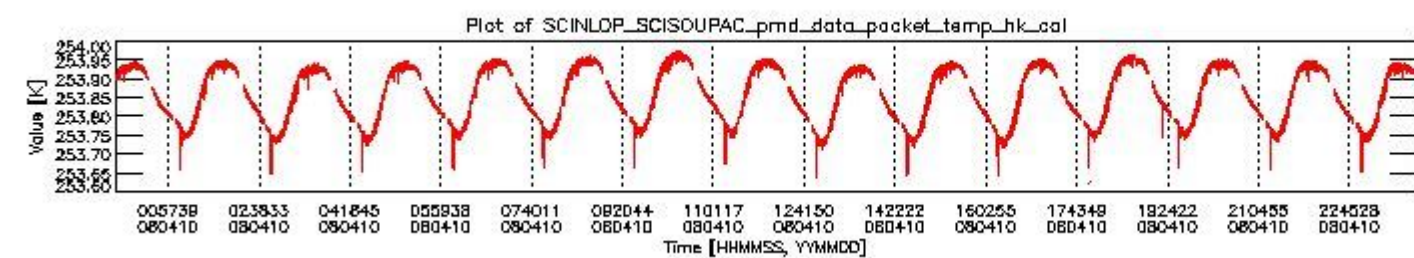
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080410_0.PNG



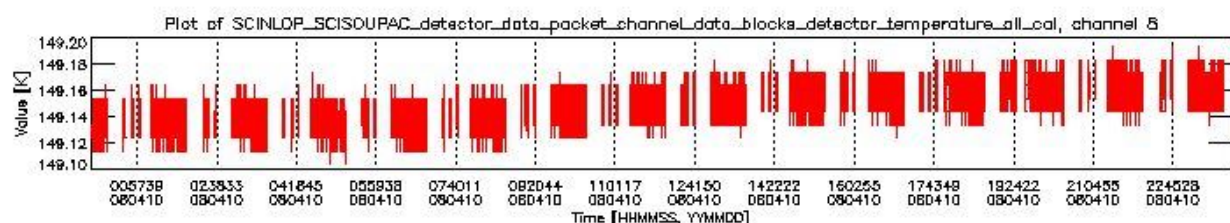
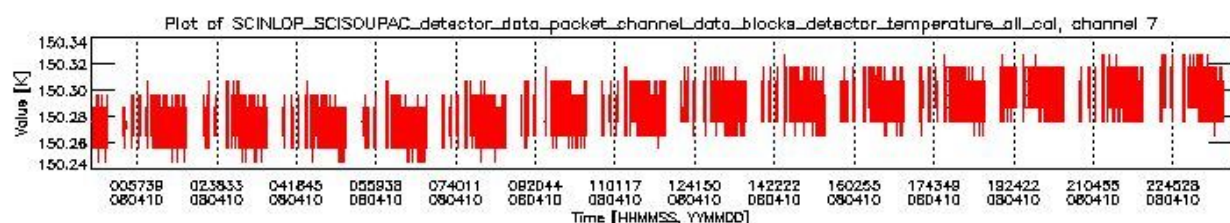
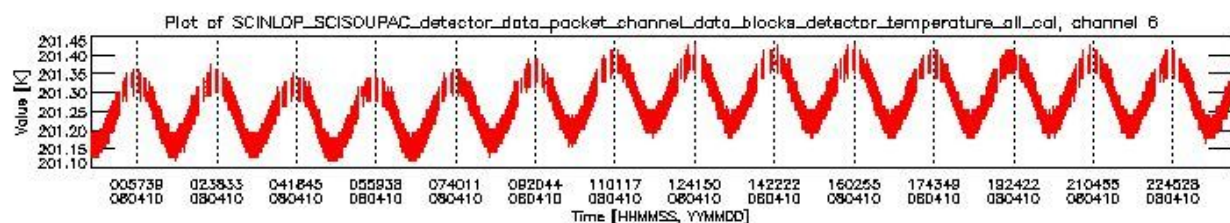
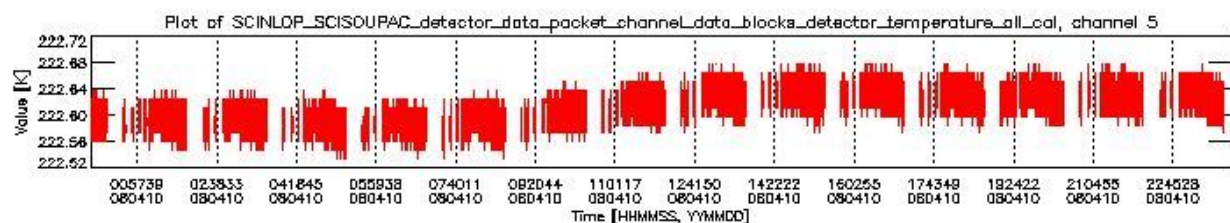
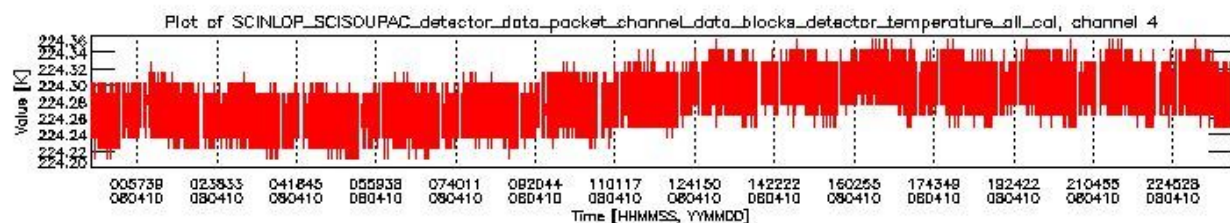
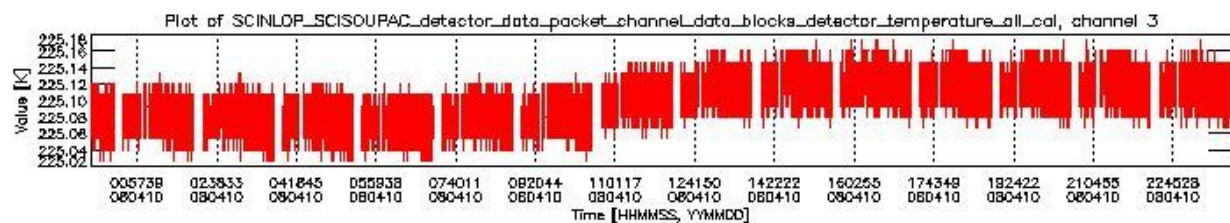
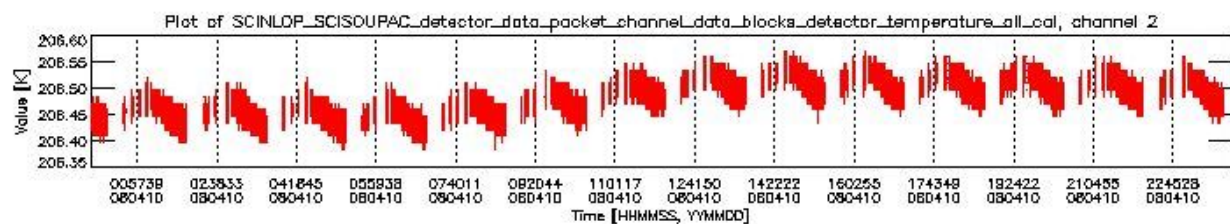
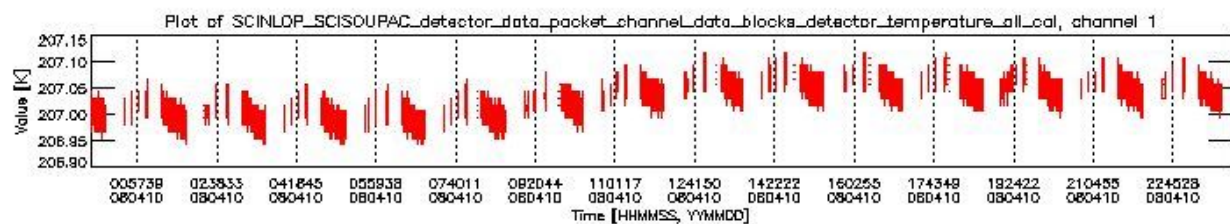
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080410_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080410_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080410_3.PNG

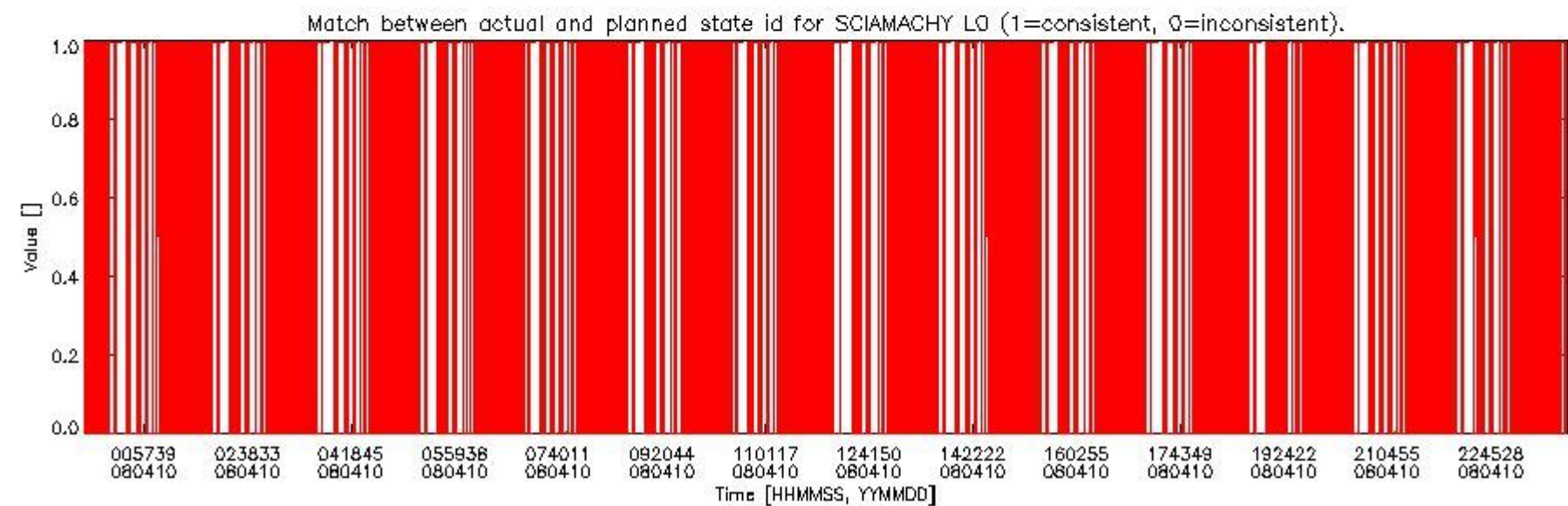
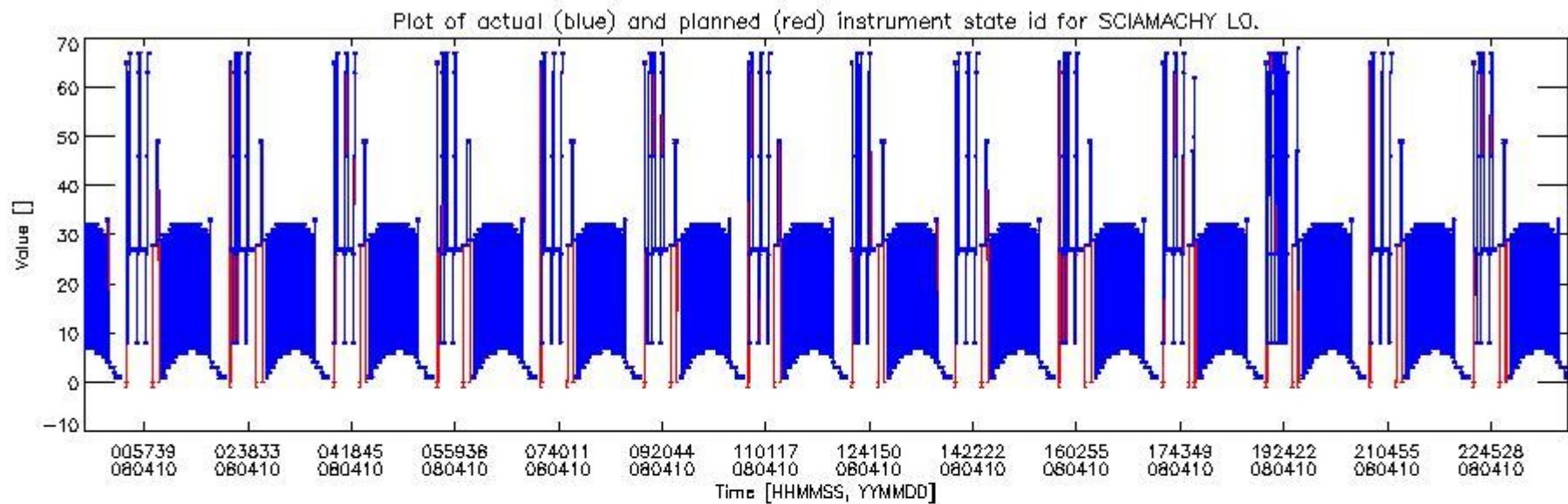


0.3 State monitoring

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: **38136**

#	Actual time	Actual value	Planned time	Planned value
0	10APR2008 00:00:04.189517	7	10APR2008 00:00:04.189517	32
1	10APR2008 00:00:04.564489	7	10APR2008 00:00:04.564489	32
2	10APR2008 00:00:04.814498	7	10APR2008 00:00:04.814498	32
3	10APR2008 00:00:05.064507	7	10APR2008 00:00:05.064507	32
4	10APR2008 00:00:05.314516	7	10APR2008 00:00:05.314516	32
5	10APR2008 00:00:05.564524	7	10APR2008 00:00:05.564524	32
6	10APR2008 00:00:05.814493	7	10APR2008 00:00:05.814493	32
7	10APR2008 00:00:06.064501	7	10APR2008 00:00:06.064501	32
8	10APR2008 00:00:06.314510	7	10APR2008 00:00:06.314510	32
9	10APR2008 00:00:06.564519	7	10APR2008 00:00:06.564519	32
10	10APR2008 00:00:06.814528	7	10APR2008 00:00:06.814528	32
11	10APR2008 00:00:07.064496	7	10APR2008 00:00:07.064496	32
12	10APR2008 00:00:07.314505	7	10APR2008 00:00:07.314505	32
13	10APR2008 00:00:07.564513	7	10APR2008 00:00:07.564513	32
14	10APR2008 00:00:07.814522	7	10APR2008 00:00:07.814522	32
15	10APR2008 00:00:08.064491	7	10APR2008 00:00:08.064491	32
16	10APR2008 00:00:08.314499	7	10APR2008 00:00:08.314499	32
17	10APR2008 00:00:08.564508	7	10APR2008 00:00:08.564508	32
18	10APR2008 00:00:08.814517	7	10APR2008 00:00:08.814517	32
19	10APR2008 00:00:09.064525	7	10APR2008 00:00:09.064525	32

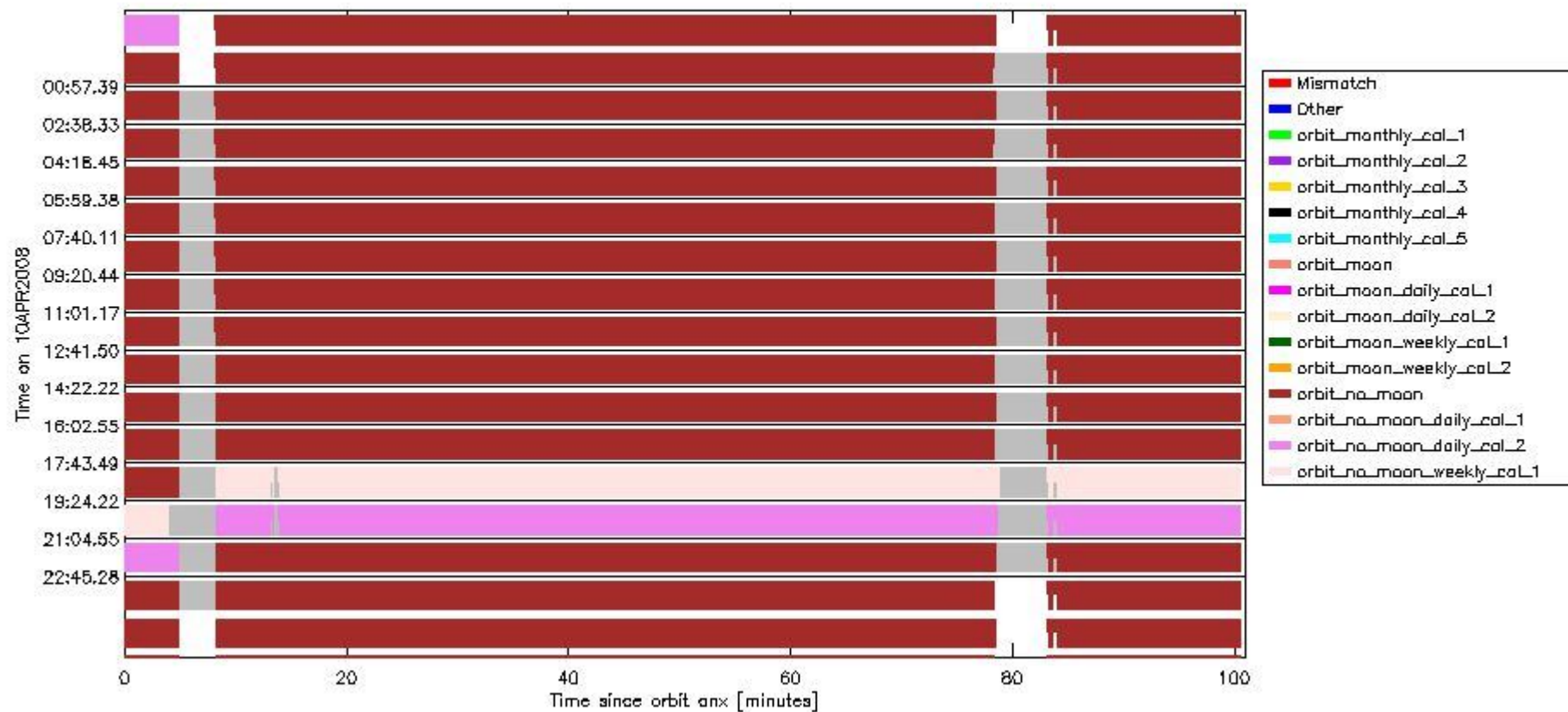


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080410_5.PNG

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 10APR2008.
 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_20080410_6.PNG

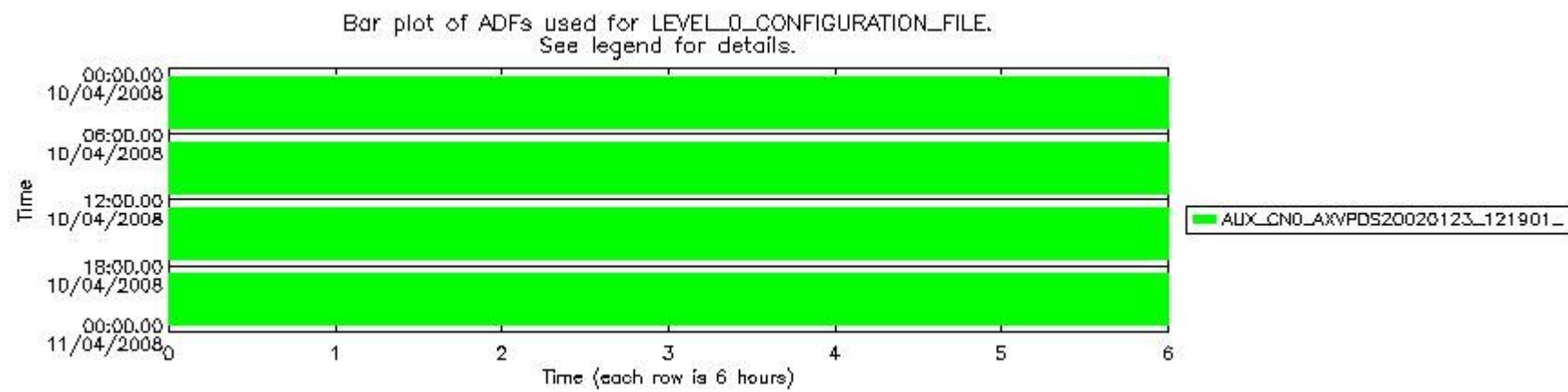
0.4 ADF monitoring

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

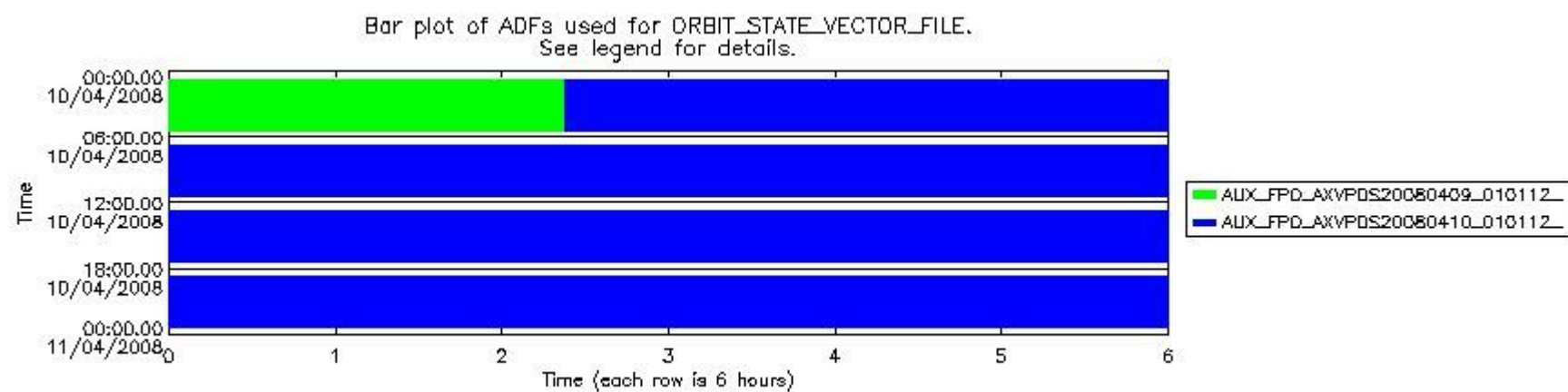
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

If multiple ADFs of a single type were used, these are marked **red** in the table.

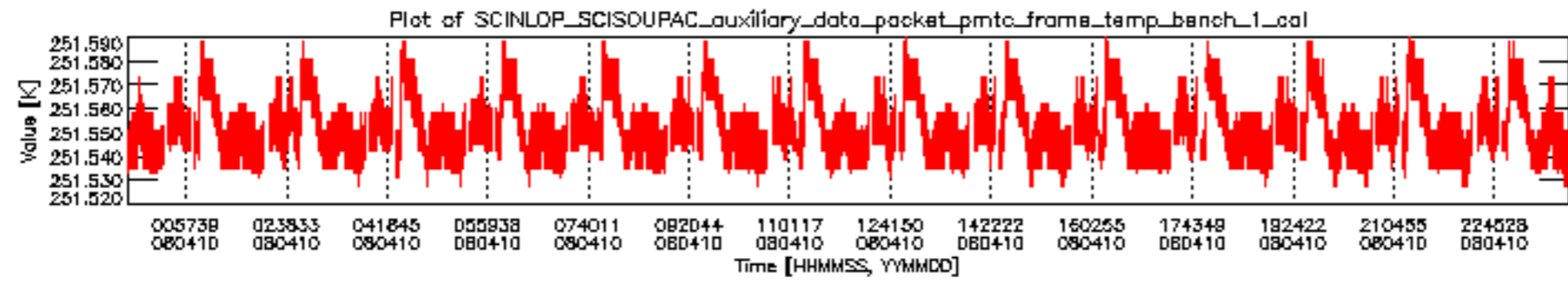
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080409_010112_20080408_184655_20080418_201307
2	AUX_FPO_AXVPDS20080410_010112_20080409_195554_20080419_212206

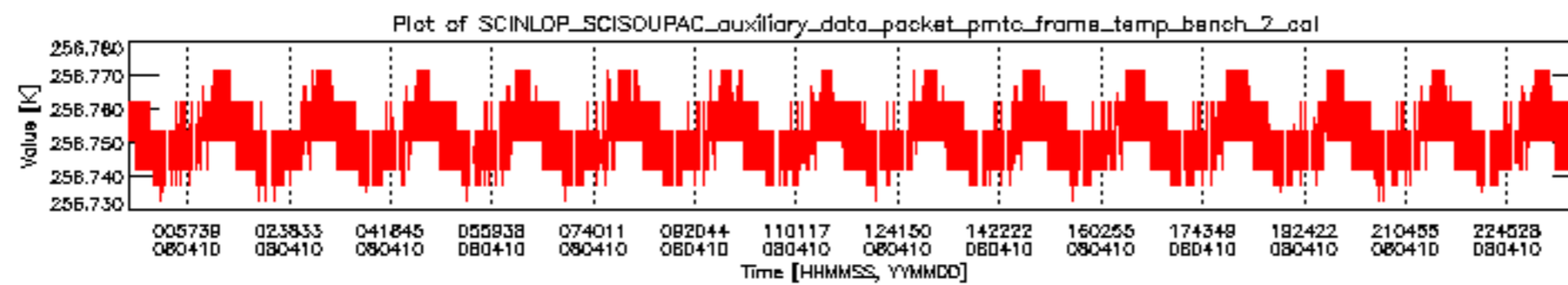


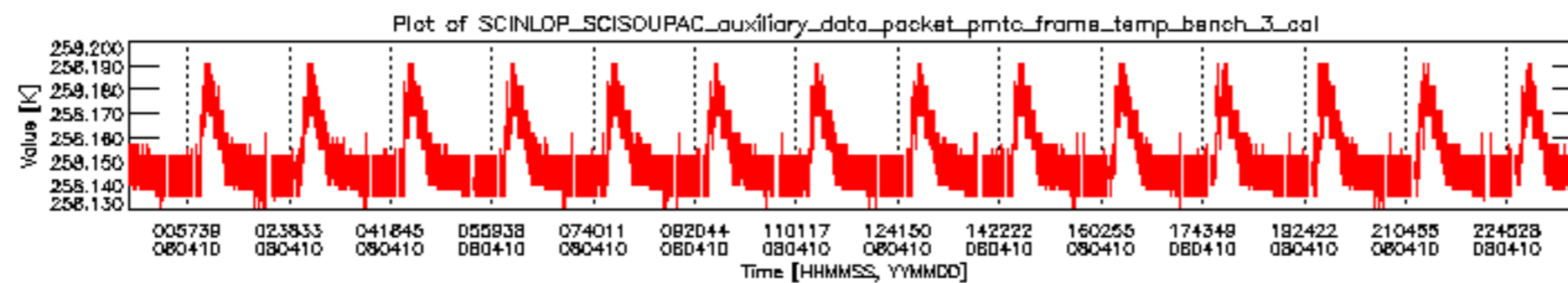
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080410_7.PNG

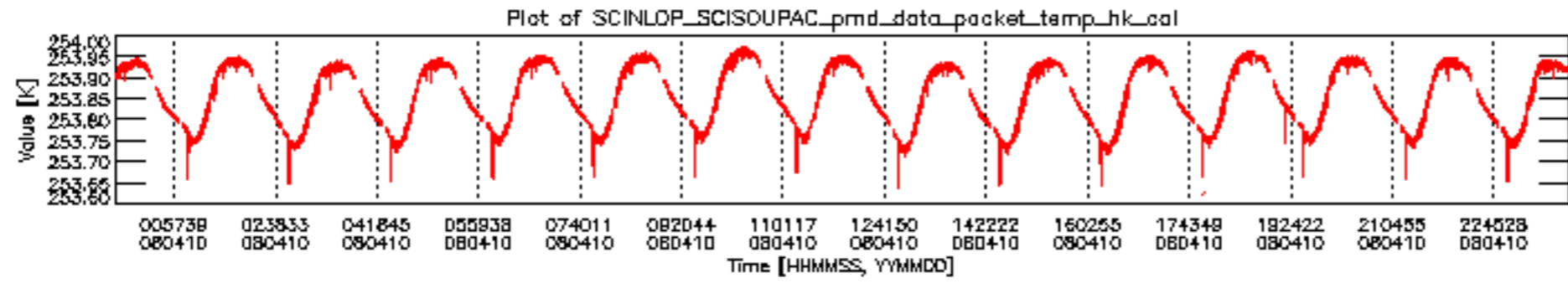


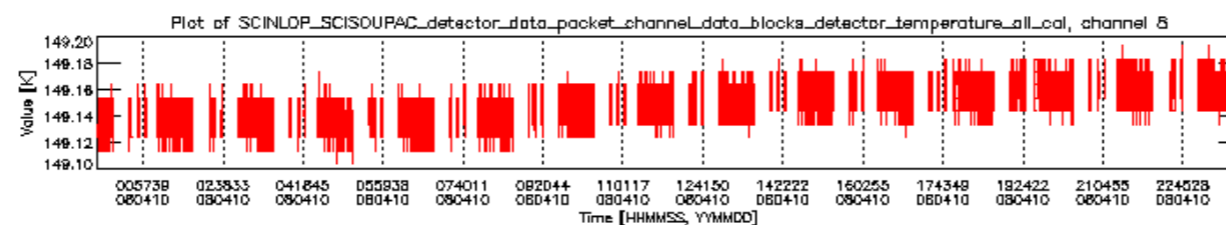
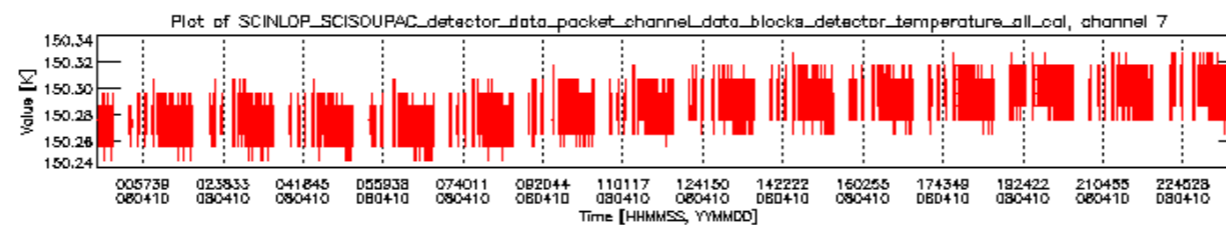
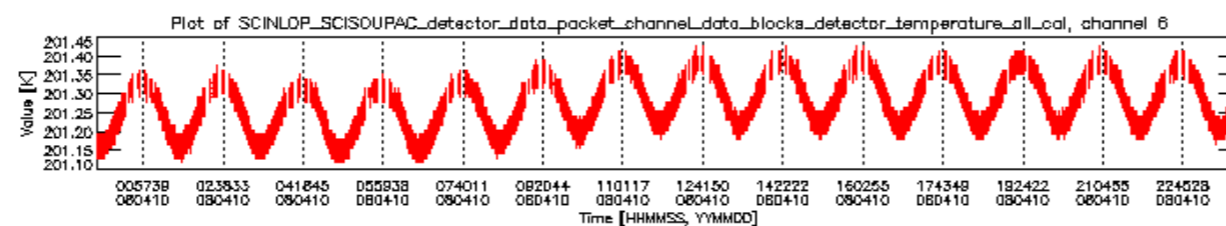
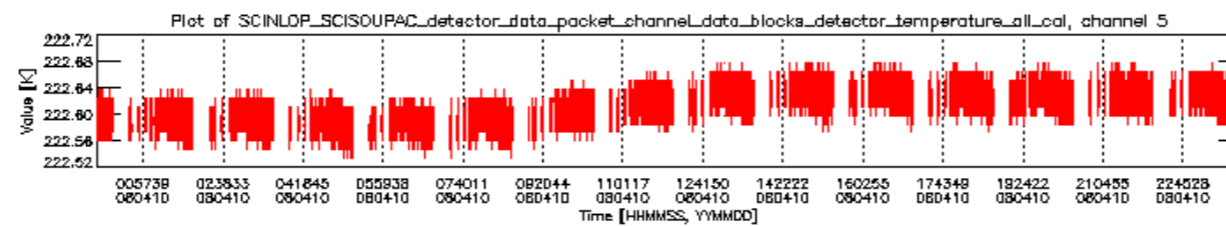
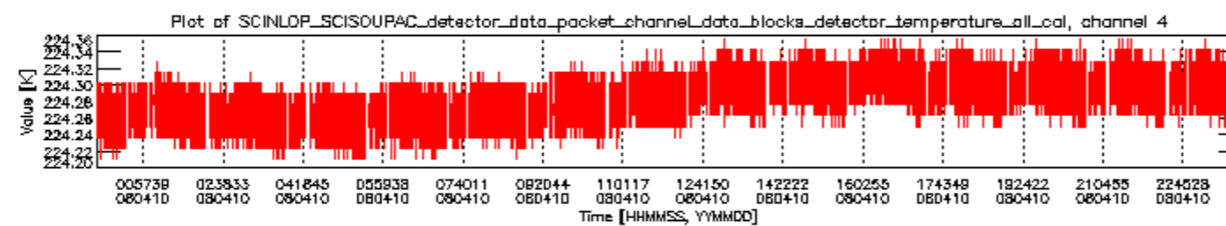
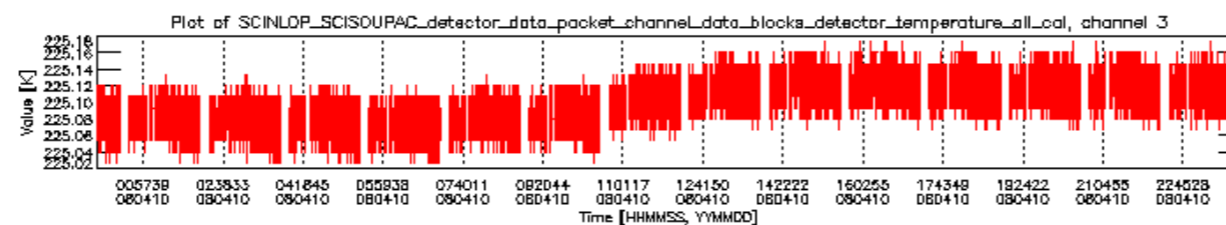
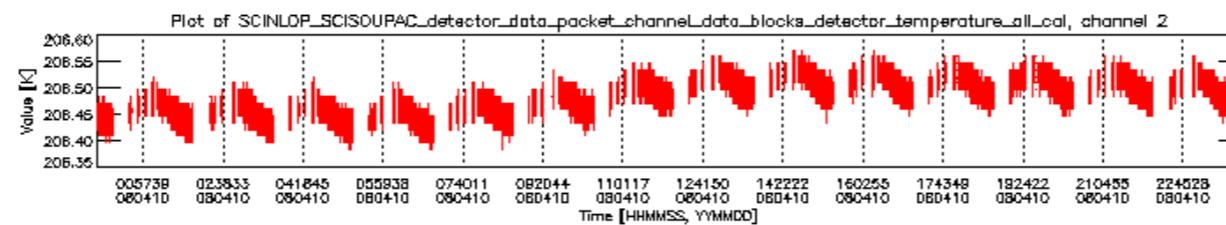
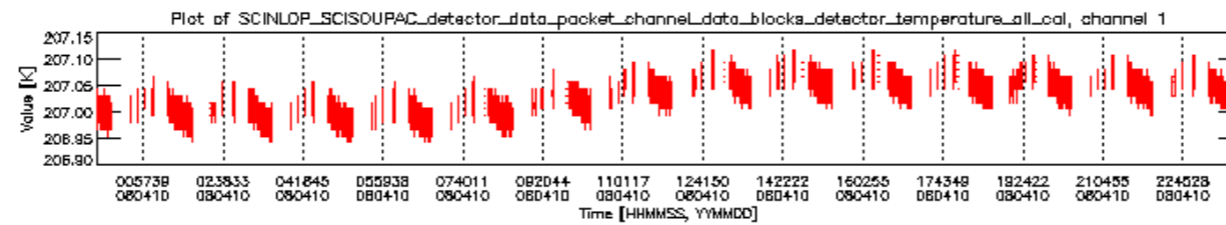
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080410_8.PNG



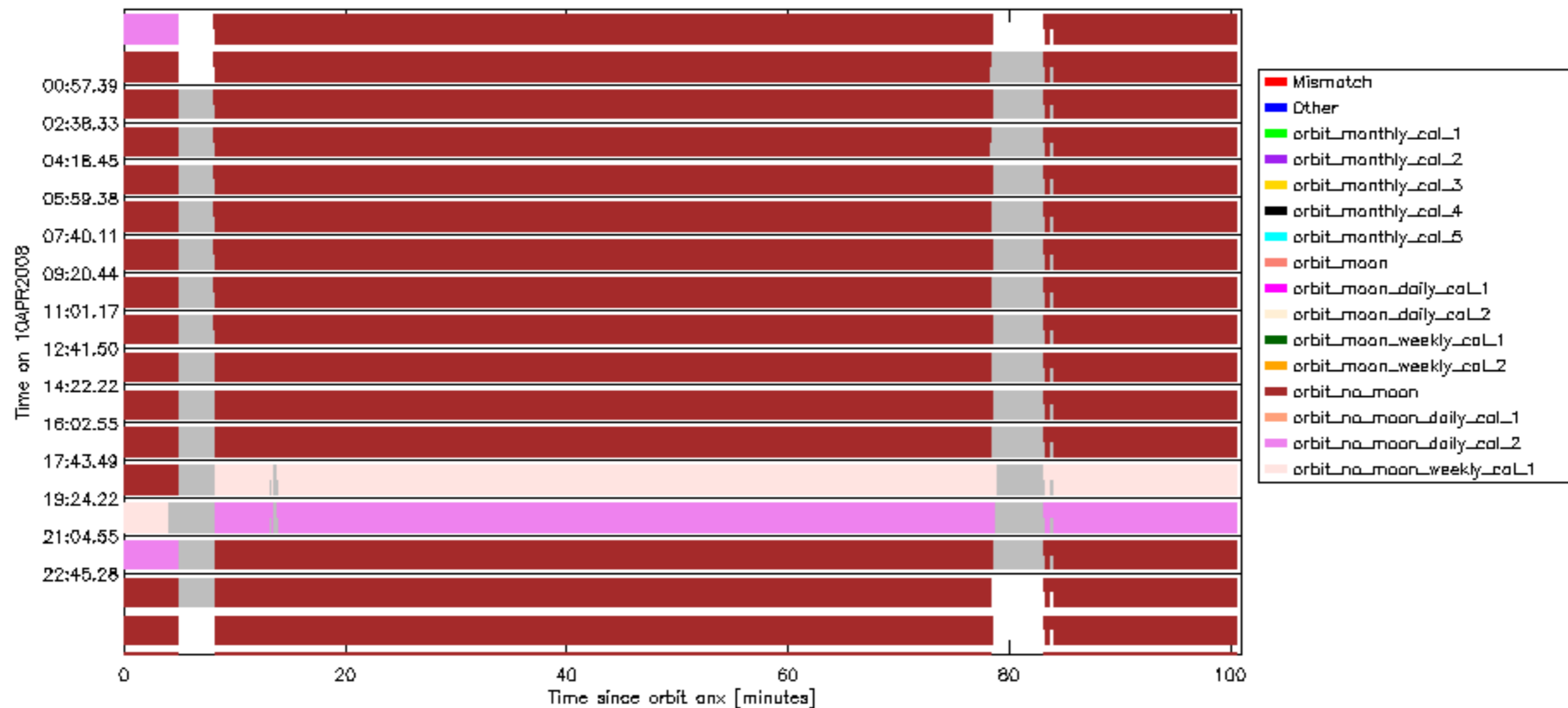


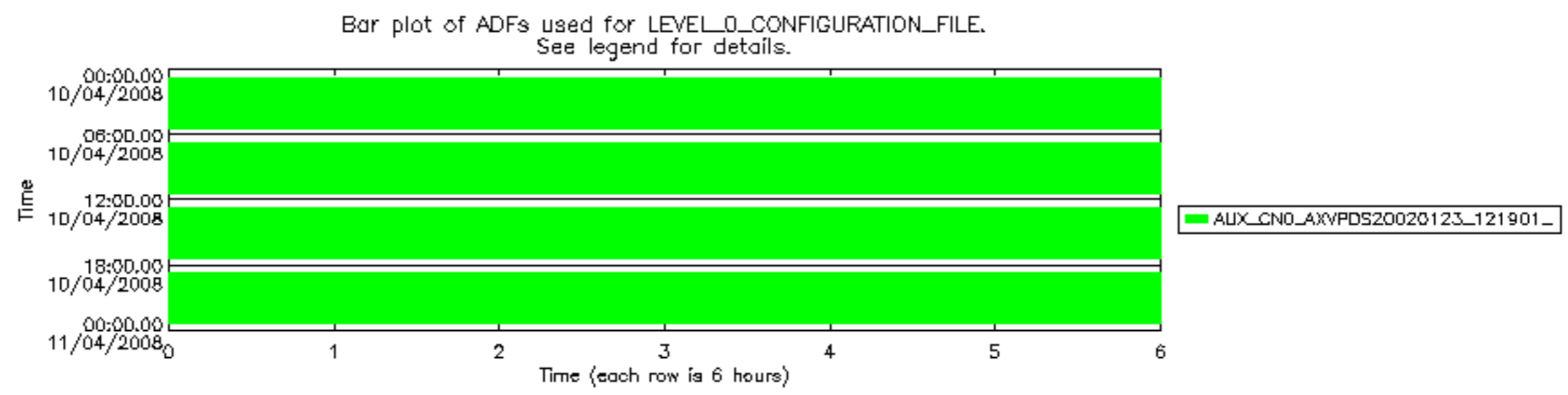






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 10APR2008.
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 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.





Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

