

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	02MAR2009 06:07:50
Data source version	KSPT_L0/4303-N
Processing scope for products	26FEB2009 00:00:00 to 27FEB2009 00:00:00
Start time of first product within scope	25FEB2009 22:45:38
Stop time of last product within scope	27FEB2009 01:27:52
Total number of level 0 products	17
Number of level 0 products with errors	0

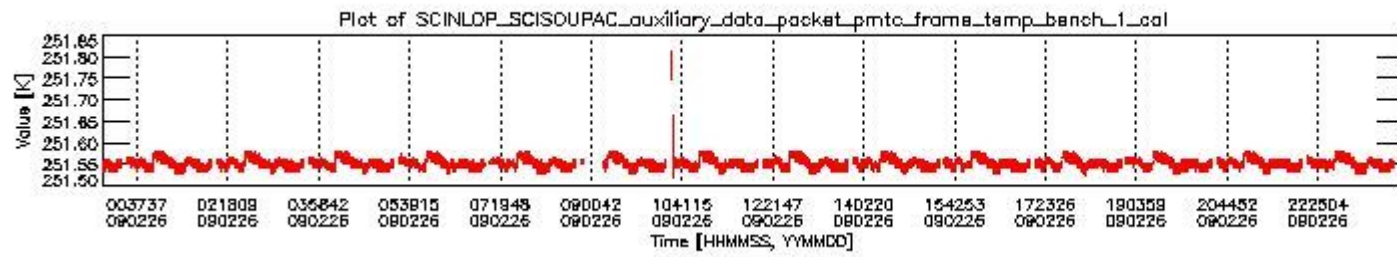
0.1.2 Summary per product

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

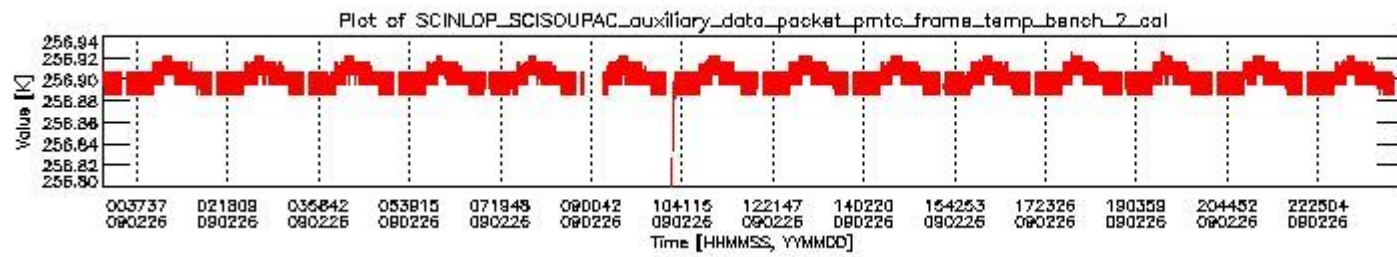
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090225_224538_000060352076_00430_36556_8566.N1	25FEB2009 22:45:38	26FEB2009 00:26:14	0	0	0	0	0
1	SCI_NL__OPNPDE20090226_002614_000056022076_00431_36557_8567.N1	26FEB2009 00:26:14	26FEB2009 01:59:36	0	0	0	0	0
2	SCI_NL__OPNPDE20090226_020649_000045992076_00432_36558_8568.N1	26FEB2009 02:06:49	26FEB2009 03:23:28	0	0	0	0	0
3	SCI_NL__OPNPDE20090226_032220_000057992076_00433_36559_8569.N1	26FEB2009 03:22:20	26FEB2009 04:58:59	0	0	0	0	0
4	SCI_NL__OPNPDE20090226_045859_000060912076_00434_36560_8570.N1	26FEB2009 04:58:59	26FEB2009 06:40:30	0	0	0	0	0
5	SCI_NL__OPNPDK20090226_064030_000039892076_00435_36561_0818.N1	26FEB2009 06:40:30	26FEB2009 07:46:59	0	0	0	0	0
6	SCI_NL__OPNPDK20090226_074455_000062162076_00436_36562_0819.N1	26FEB2009 07:44:55	26FEB2009 09:28:30	0	0	0	0	0
7	SCI_NL__OPNPDK20090226_092626_000061602076_00437_36563_0820.N1	26FEB2009 09:26:26	26FEB2009 11:09:06	0	0	0	0	0
8	SCI_NL__OPNPDK20090226_110701_000060912076_00438_36564_0821.N1	26FEB2009 11:07:01	26FEB2009 12:48:32	0	0	0	0	0
9	SCI_NL__OPNPDK20090226_124737_000059112076_00439_36565_0822.N1	26FEB2009 12:47:37	26FEB2009 14:26:08	0	0	0	0	0
10	SCI_NL__OPNPDK20090226_142403_000059242076_00440_36566_0823.N1	26FEB2009 14:24:03	26FEB2009 16:02:47	0	0	0	0	0
11	SCI_NL__OPNPDK20090226_160151_000058982076_00441_36567_0824.N1	26FEB2009 16:01:51	26FEB2009 17:40:09	0	0	0	0	0
12	SCI_NL__OPNPDK20090226_174009_000060362076_00442_36568_0825.N1	26FEB2009 17:40:09	26FEB2009 19:20:44	0	0	0	0	0
13	SCI_NL__OPNPDK20090226_191947_000060922076_00443_36569_0826.N1	26FEB2009 19:19:47	26FEB2009 21:01:20	0	0	0	0	0
14	SCI_NL__OPNPDE20090226_210023_000039782076_00444_36570_8571.N1	26FEB2009 21:00:23	26FEB2009 22:06:41	0	0	0	0	0
15	SCI_NL__OPNPDE20090226_221354_000060792076_00444_36570_8572.N1	26FEB2009 22:13:54	26FEB2009 23:55:13	0	0	0	0	0
16	SCI_NL__OPNPDE20090226_235429_000056032076_00445_36571_8573.N1	26FEB2009 23:54:29	27FEB2009 01:27:52	0	0	0	0	0

0.2 Product Quality Indicators

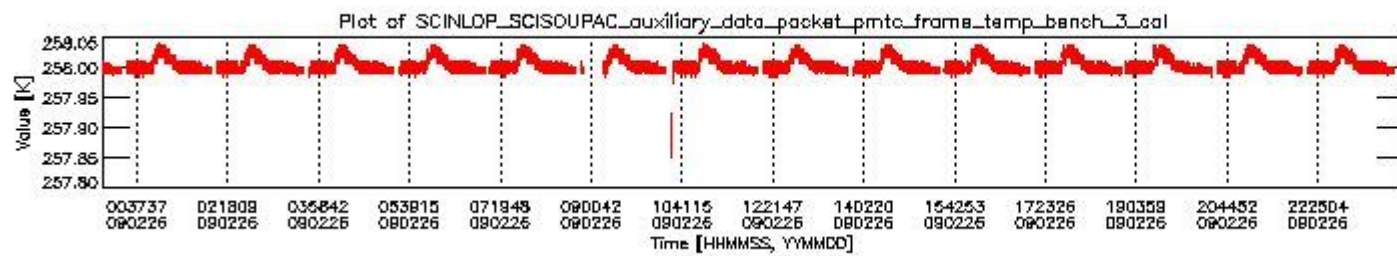
This section shows information about product quality, currently temperatures.



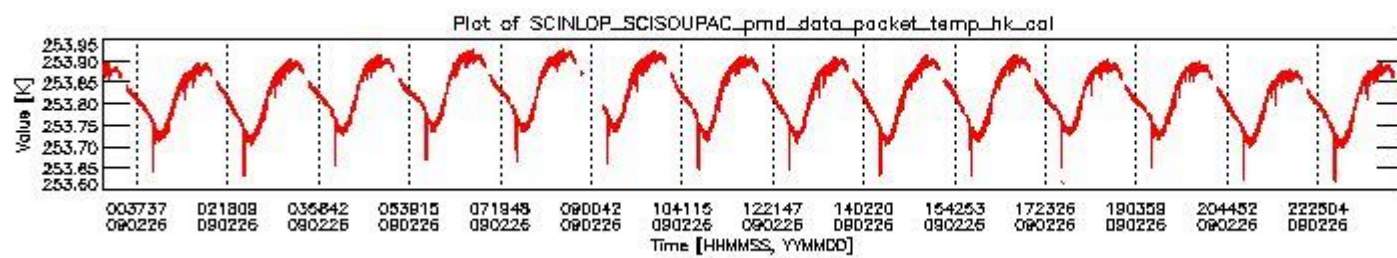
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090226_0.PNG



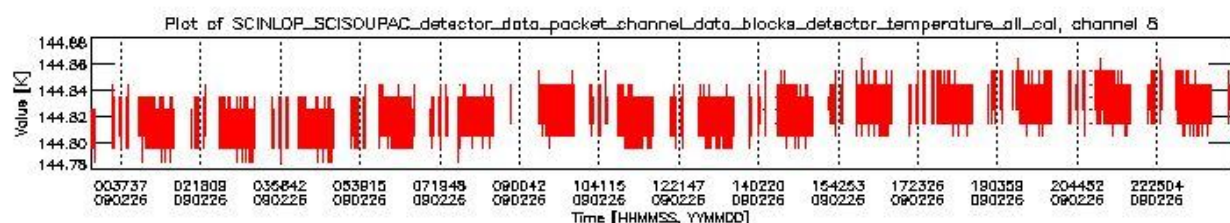
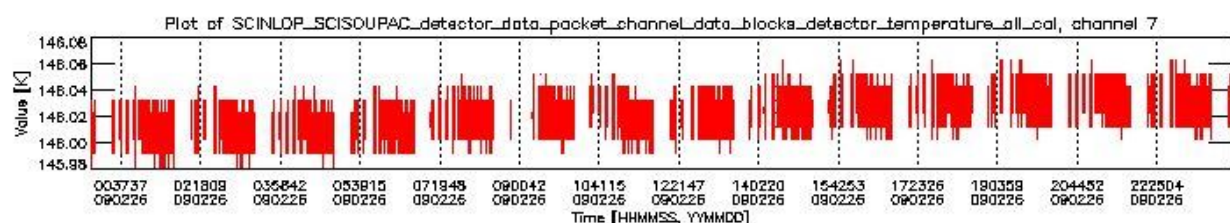
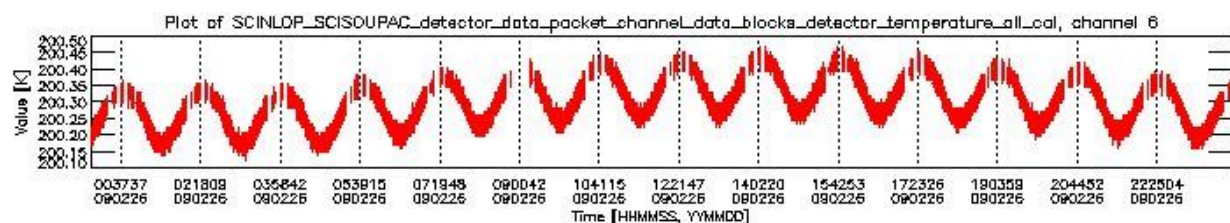
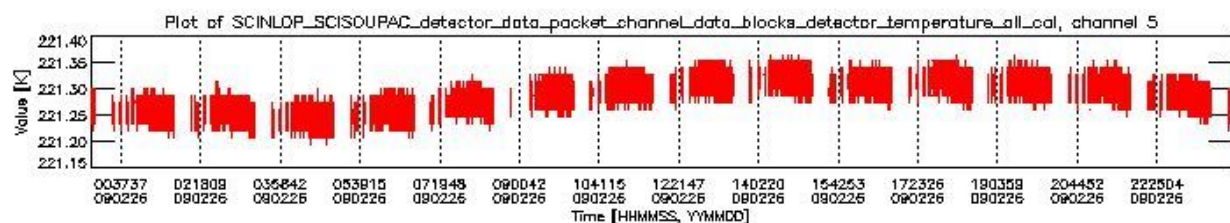
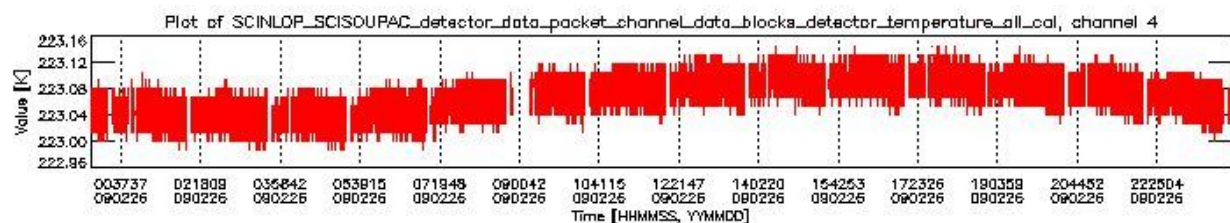
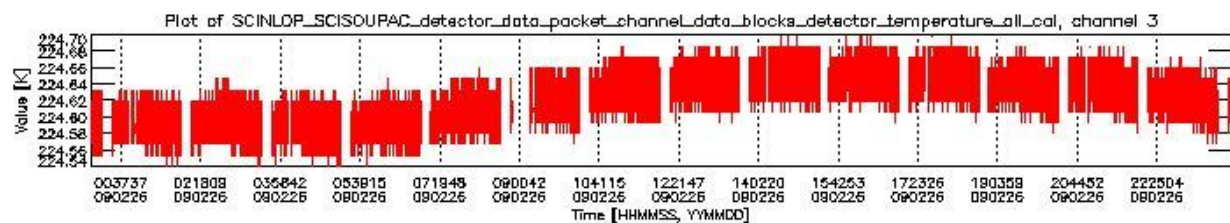
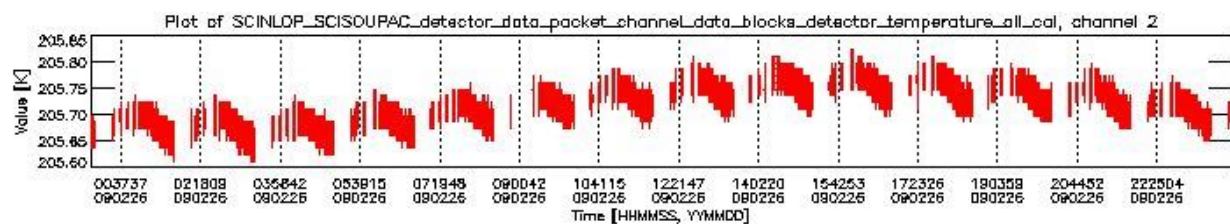
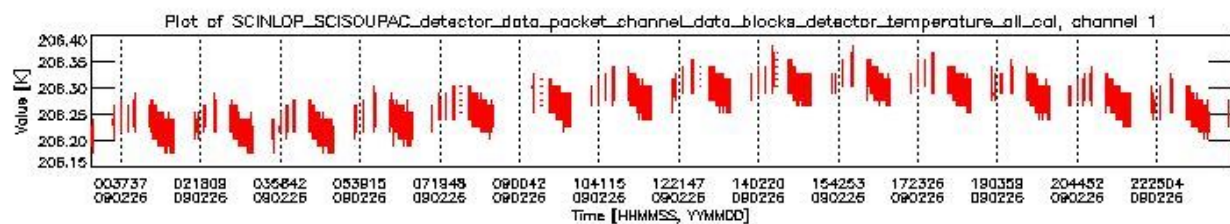
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090226_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090226_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090226_3.PNG

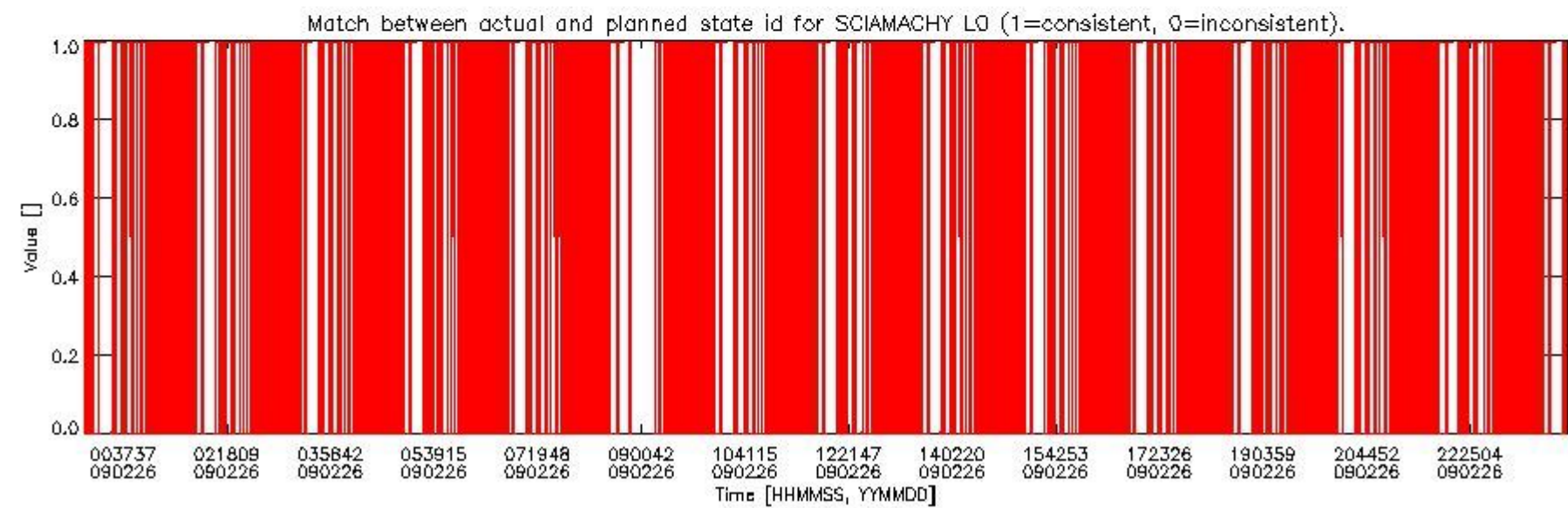
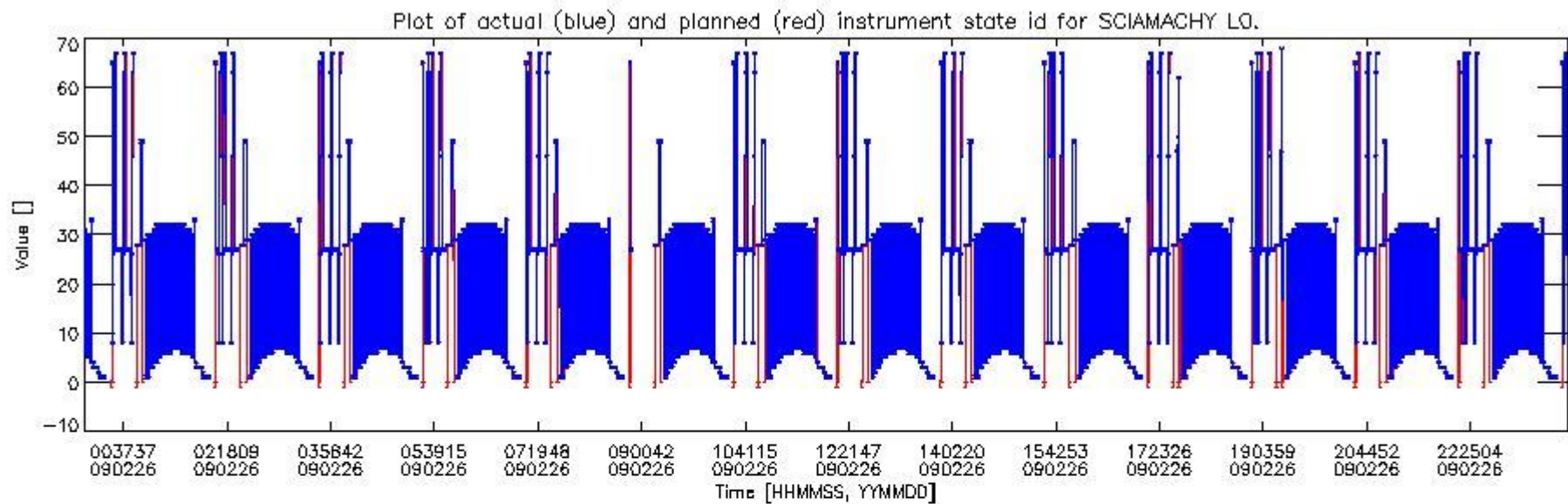


0.3 State monitoring

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: **45970**

#	Actual time	Actual value	Planned time	Planned value
0	26FEB2009 00:00:13.400491	31	26FEB2009 00:00:13.400491	6
1	26FEB2009 00:00:14.025512	31	26FEB2009 00:00:14.025512	6
2	26FEB2009 00:00:14.400525	31	26FEB2009 00:00:14.400525	6
3	26FEB2009 00:00:14.775498	31	26FEB2009 00:00:14.775498	6
4	26FEB2009 00:00:15.337998	31	26FEB2009 00:00:15.337998	6
5	26FEB2009 00:00:15.713011	31	26FEB2009 00:00:15.713011	6
6	26FEB2009 00:00:16.088024	31	26FEB2009 00:00:16.088024	6
7	26FEB2009 00:00:16.462997	31	26FEB2009 00:00:16.462997	6
8	26FEB2009 00:00:17.025496	31	26FEB2009 00:00:17.025496	6
9	26FEB2009 00:00:17.400509	31	26FEB2009 00:00:17.400509	6
10	26FEB2009 00:00:17.775522	31	26FEB2009 00:00:17.775522	6
11	26FEB2009 00:00:18.150495	31	26FEB2009 00:00:18.150495	6
12	26FEB2009 00:00:18.400504	31	26FEB2009 00:00:18.400504	6
13	26FEB2009 00:00:18.712994	31	26FEB2009 00:00:18.712994	6
14	26FEB2009 00:00:19.088008	31	26FEB2009 00:00:19.088008	6
15	26FEB2009 00:00:19.463021	31	26FEB2009 00:00:19.463021	6
16	26FEB2009 00:00:19.837993	31	26FEB2009 00:00:19.837993	6
17	26FEB2009 00:00:20.400493	31	26FEB2009 00:00:20.400493	6
18	26FEB2009 00:00:20.775506	31	26FEB2009 00:00:20.775506	6
19	26FEB2009 00:00:21.150519	31	26FEB2009 00:00:21.150519	6

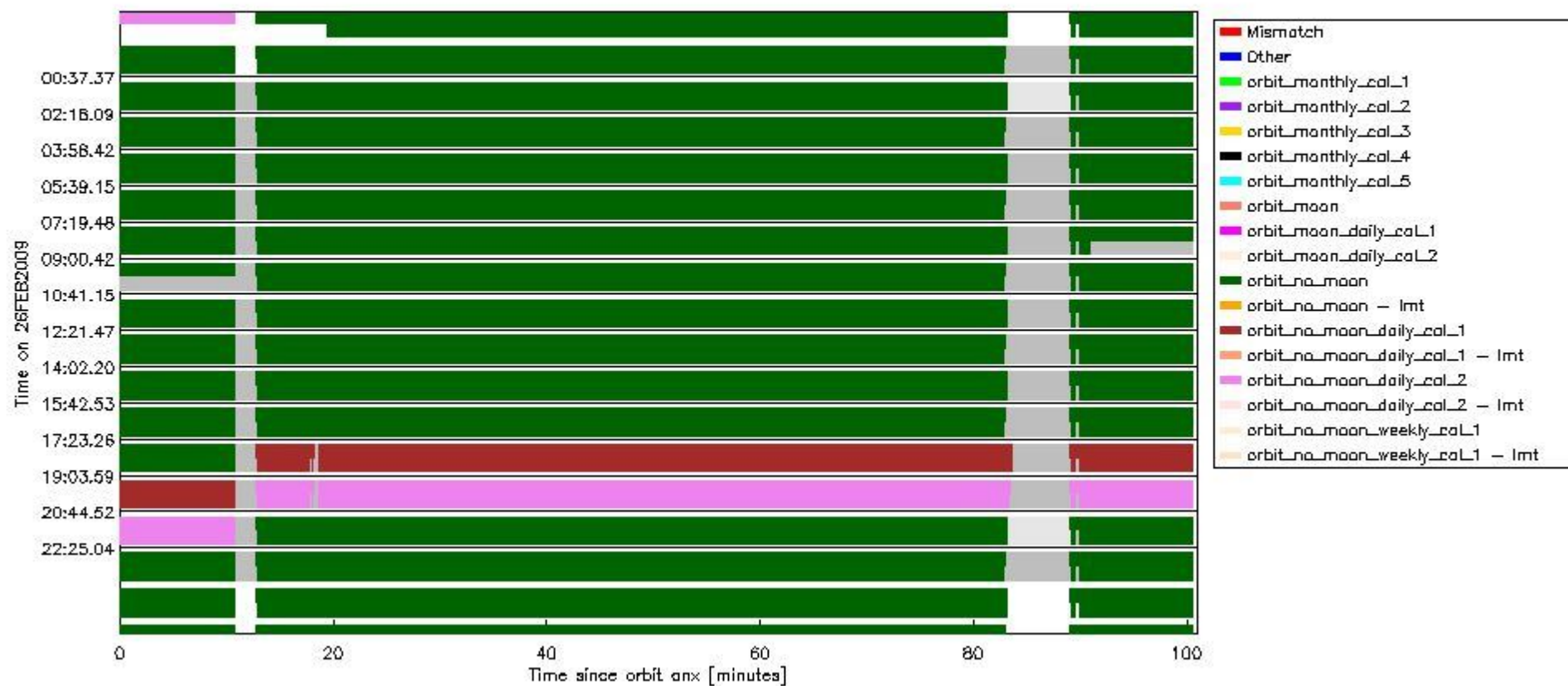


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090226_5.PNG

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 26FEB2009.
 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_20090226_6.PNG

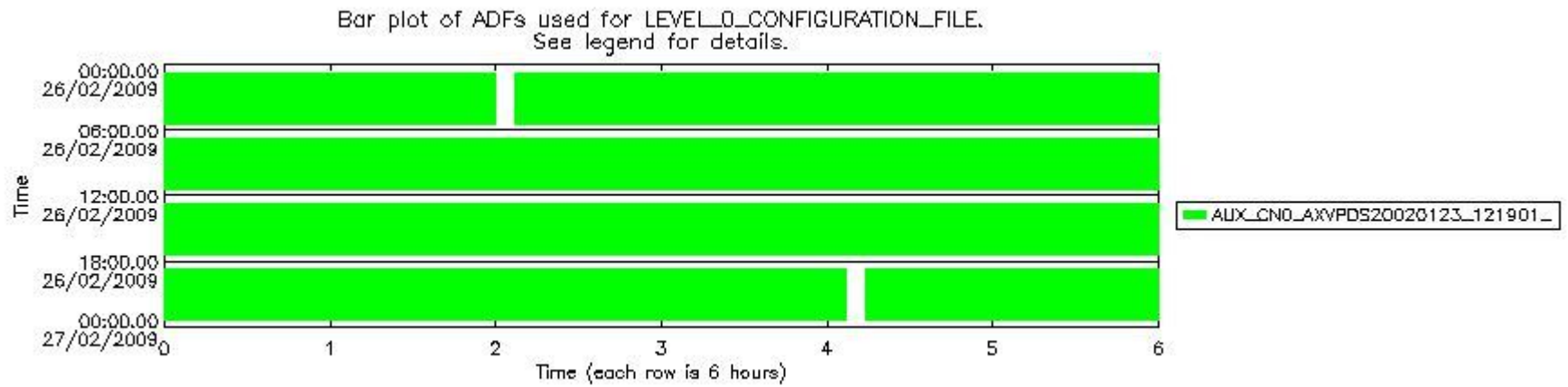
0.4 ADF monitoring

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

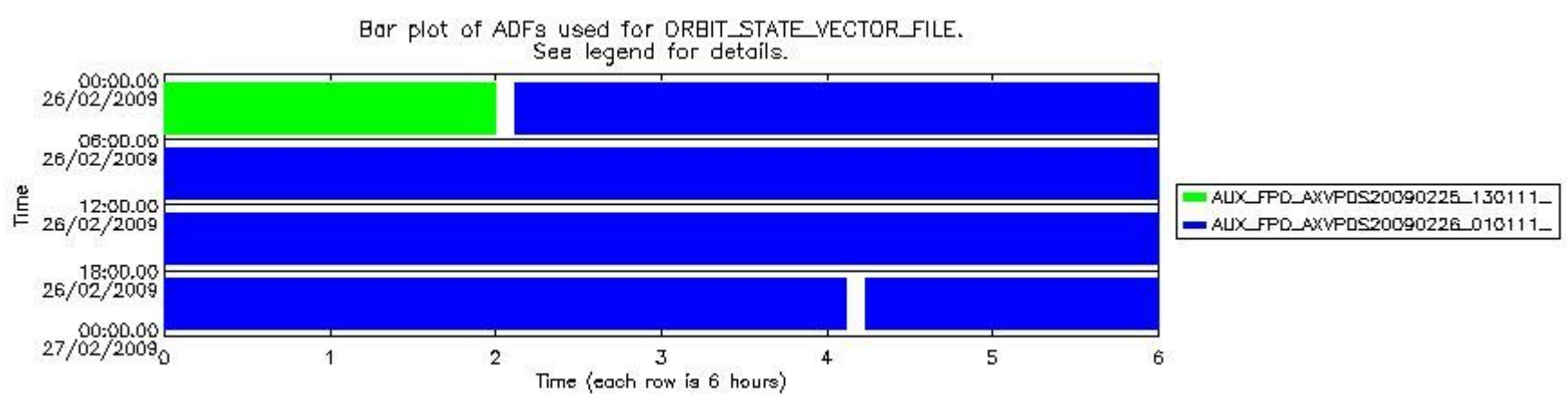
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

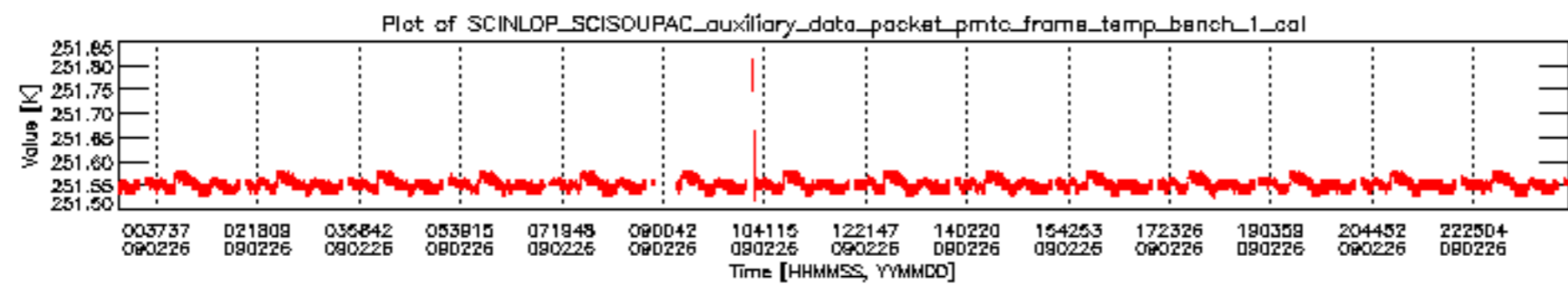
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090225_130111_20090224_182646_20090306_213336
2	AUX_FPO_AXVPDS20090226_010111_20090225_193545_20090307_210159

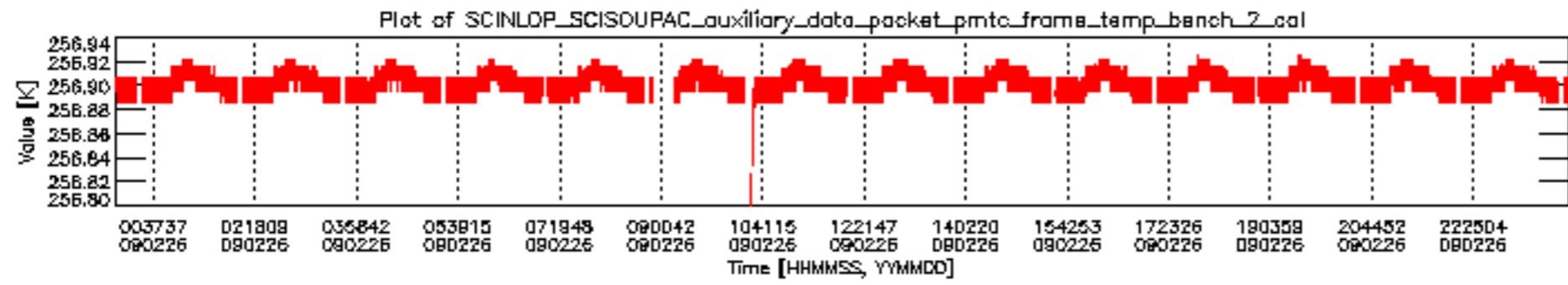


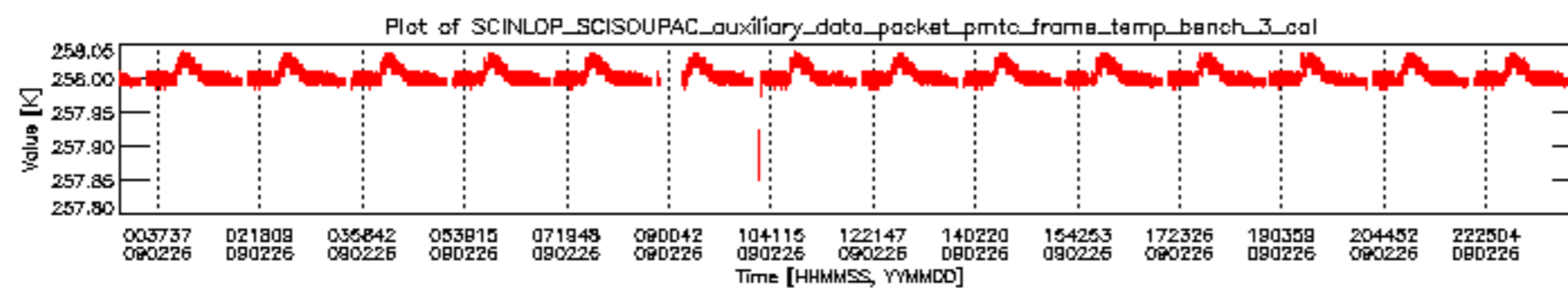
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090226_7.PNG

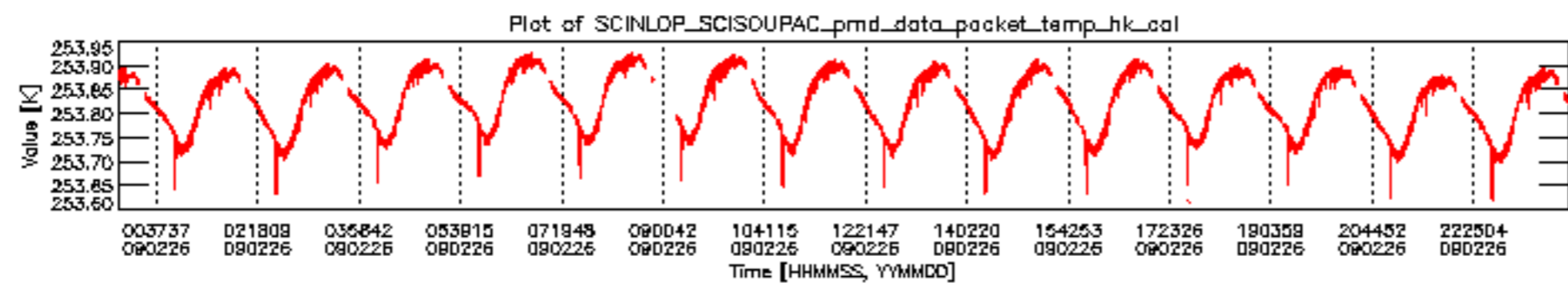


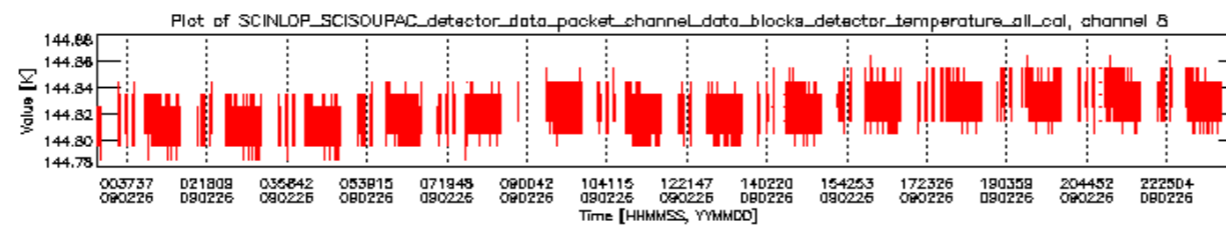
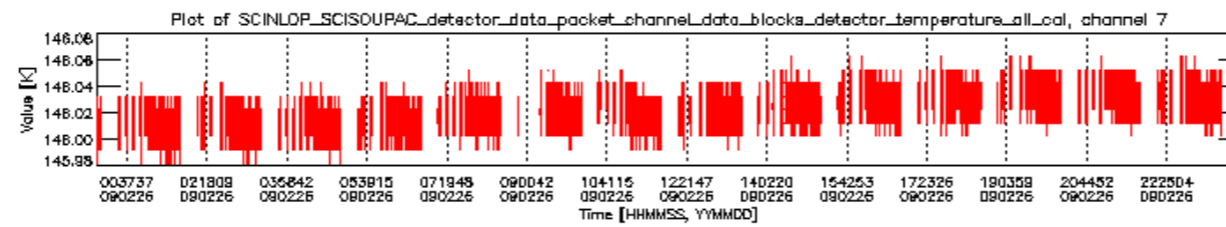
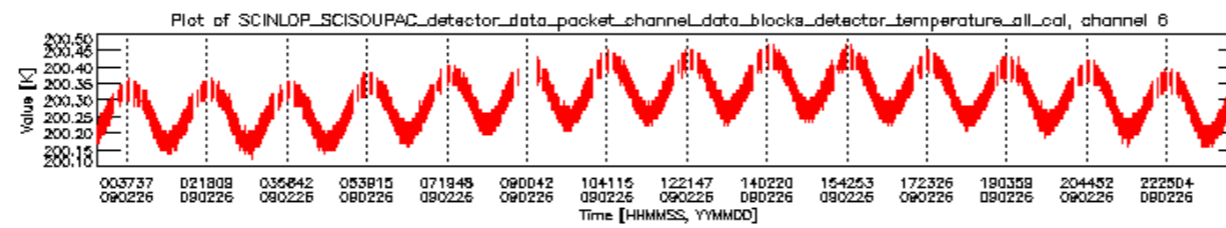
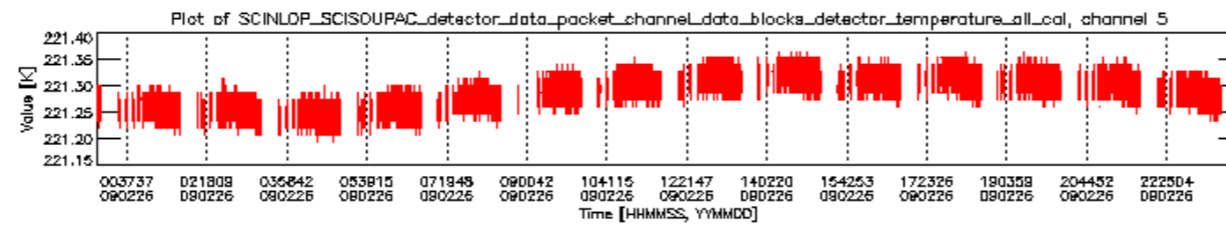
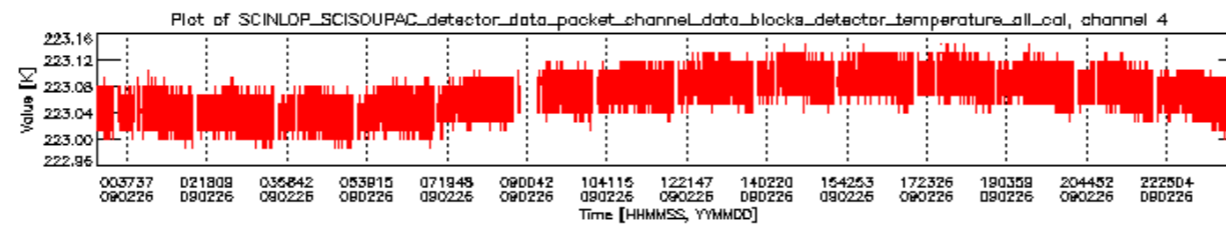
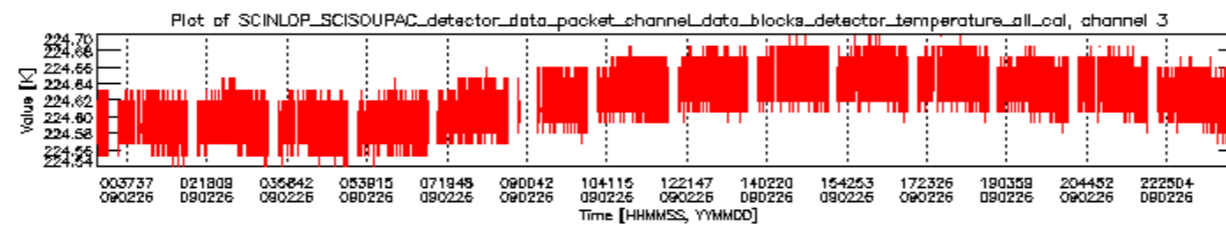
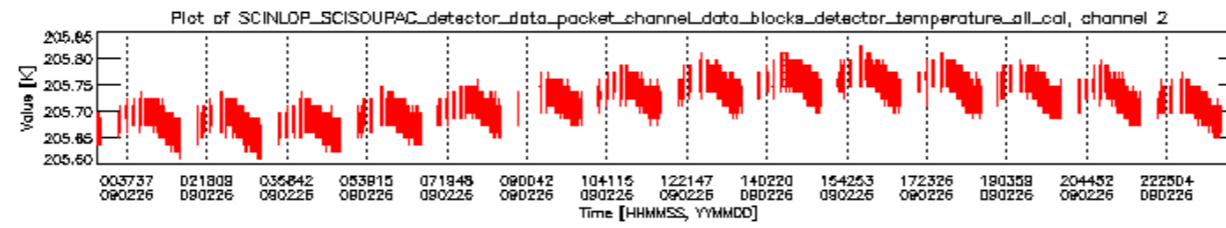
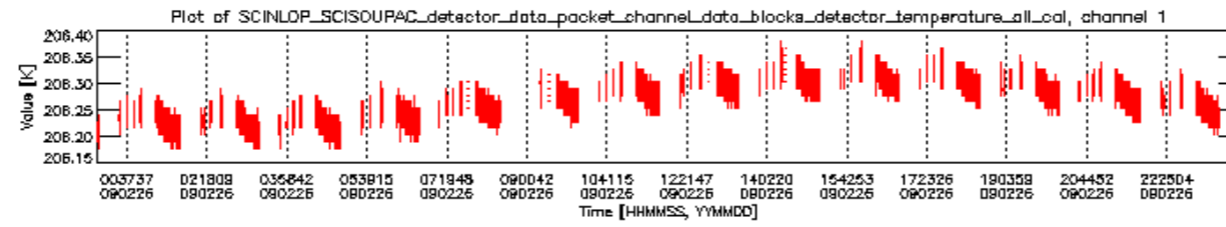
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090226_8.PNG



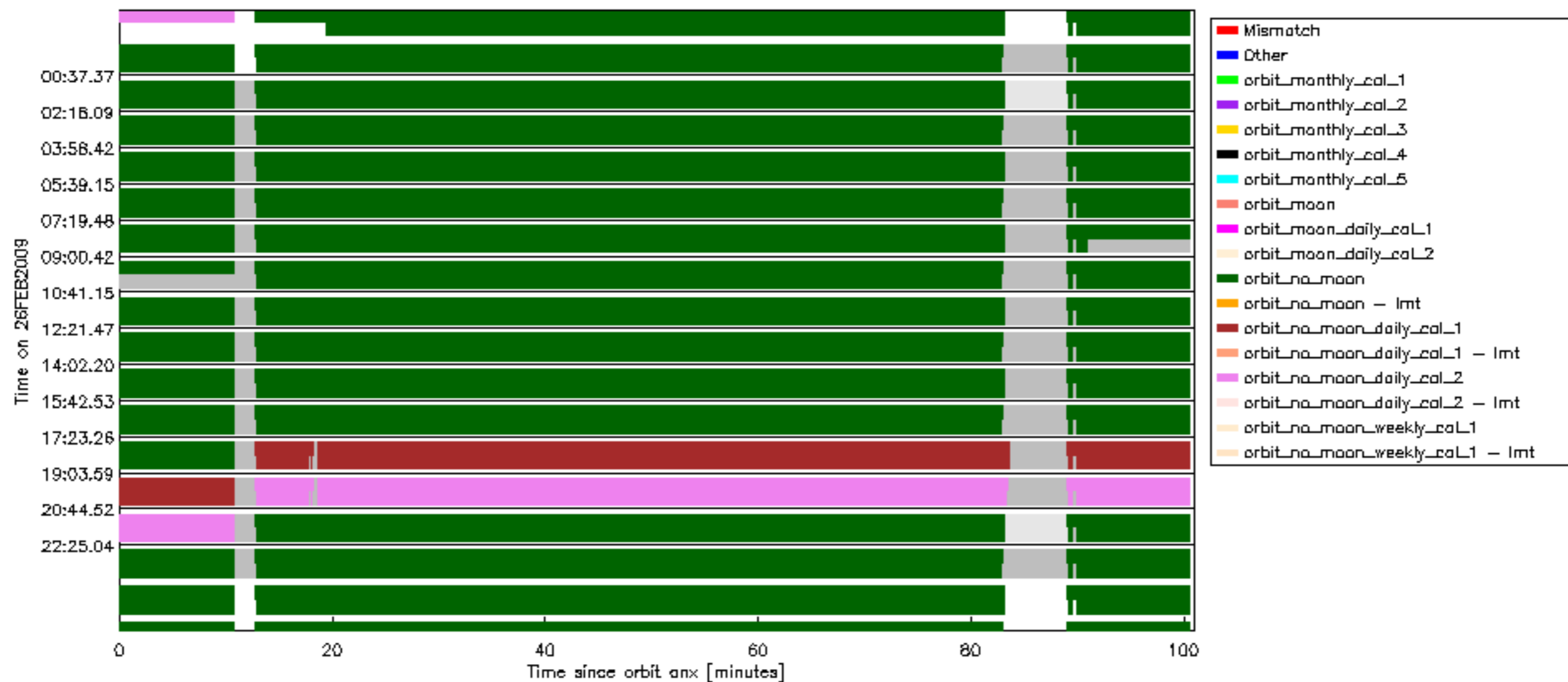


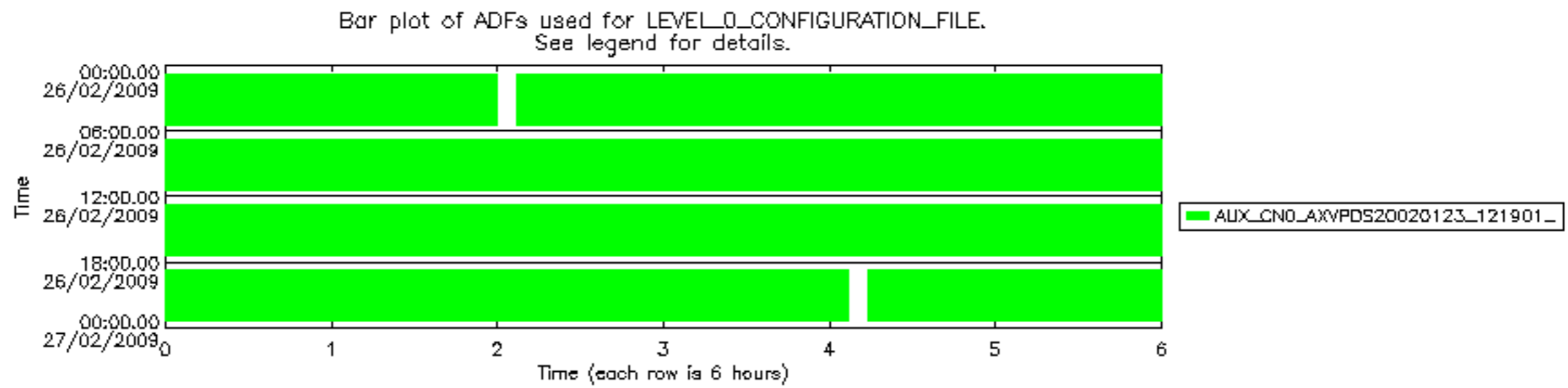






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 26FEB2009.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.





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

