

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	14FEB2009 05:40:25
Data source version	KSPT_L0/4303-N
Processing scope for products	10FEB2009 00:00:00 to 11FEB2009 00:00:00
Start time of first product within scope	09FEB2009 22:50:28
Stop time of last product within scope	11FEB2009 01:32:21
Total number of level 0 products	17
Number of level 0 products with errors	2

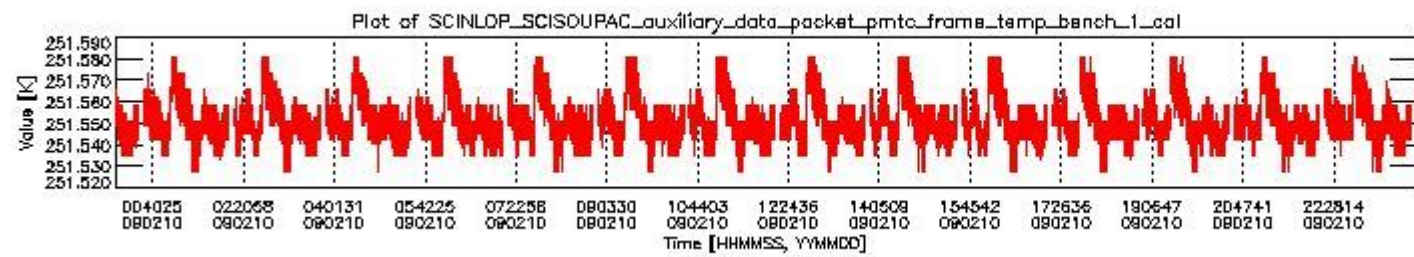
0.1.2 Summary per product

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

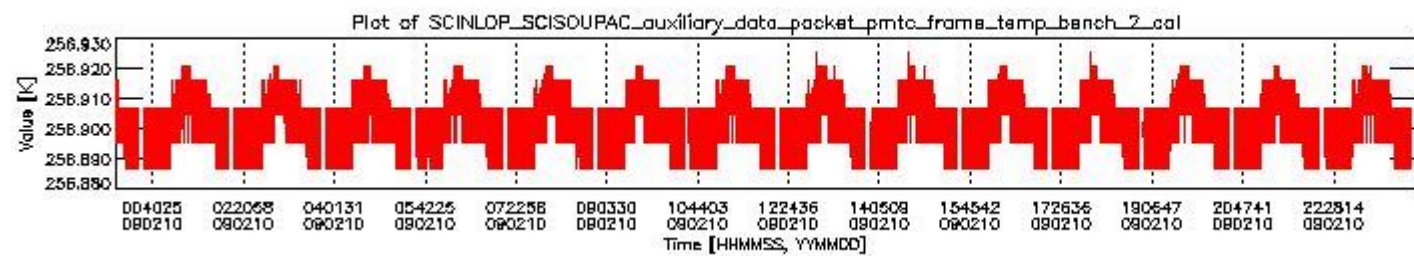
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090209_225028_000055932076_00201_36327_8458.N1	09FEB2009 22:50:28	10FEB2009 00:23:41	0	0	0	0	0
1	SCI_NL__OPNPDE20090210_003104_000055802076_00202_36328_8459.N1	10FEB2009 00:31:04	10FEB2009 02:04:04	0	0	0	0	0
2	SCI_NL__OPNPDE20090210_020404_000046162076_00203_36329_8460.N1	10FEB2009 02:04:04	10FEB2009 03:21:00	0	0	0	0	0
3	SCI_NL__OPNPDE20090210_031951_000061602076_00204_36330_8461.N1	10FEB2009 03:19:51	10FEB2009 05:02:31	0	0	0	0	0
4	SCI_NL__OPNPDE20090210_050123_000060482076_00205_36331_8462.N1	10FEB2009 05:01:23	10FEB2009 06:42:11	0	0	0	0	0
5	SCI_NL__OPNPDK20090210_064211_000040322076_00206_36332_0673.N1	10FEB2009 06:42:11	10FEB2009 07:49:23	0	0	0	0	0
6	SCI_NL__OPNPDK20090210_074827_000061042076_00207_36333_0674.N1	10FEB2009 07:48:27	10FEB2009 09:30:11	0	0	0	0	0
7	SCI_NL__OPNPDK20090210_092902_000062162076_00208_36334_0675.N1	10FEB2009 09:29:02	10FEB2009 11:12:38	0	0	0	0	0
8	SCI_NL__OPNPDK20090210_111034_000060482076_00209_36335_0676.N1	10FEB2009 11:10:34	10FEB2009 12:51:22	1	1	1	0	0
9	SCI_NL__OPNPDK20090210_125013_000059672076_00210_36336_0677.N1	10FEB2009 12:50:13	10FEB2009 14:29:40	0	0	0	0	0
10	SCI_NL__OPNPDK20090210_142748_000057862076_00211_36337_0678.N1	10FEB2009 14:27:48	10FEB2009 16:04:14	1	1	0	0	0
11	SCI_NL__OPNPDK20090210_160414_000060362076_00212_36338_0679.N1	10FEB2009 16:04:14	10FEB2009 17:44:50	0	0	0	0	0
12	SCI_NL__OPNPDK20090210_174257_000059802076_00213_36339_0680.N1	10FEB2009 17:42:57	10FEB2009 19:22:37	0	0	0	0	0
13	SCI_NL__OPNPDK20090210_192141_000060912076_00214_36340_0681.N1	10FEB2009 19:21:41	10FEB2009 21:03:12	0	0	0	0	0
14	SCI_NL__OPNPDE20090210_210216_000041332076_00215_36341_8463.N1	10FEB2009 21:02:16	10FEB2009 22:11:10	0	0	0	0	0
15	SCI_NL__OPNPDE20090210_221845_000055932076_00215_36341_8464.N1	10FEB2009 22:18:45	10FEB2009 23:51:58	0	0	0	0	0
16	SCI_NL__OPNPDE20090210_235920_000055802076_00216_36342_8465.N1	10FEB2009 23:59:20	11FEB2009 01:32:21	0	0	0	0	0

0.2 Product Quality Indicators

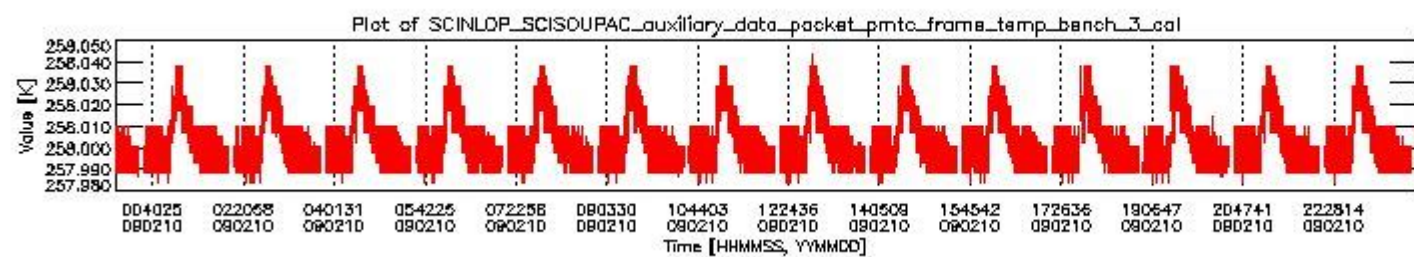
This section shows information about product quality, currently temperatures.



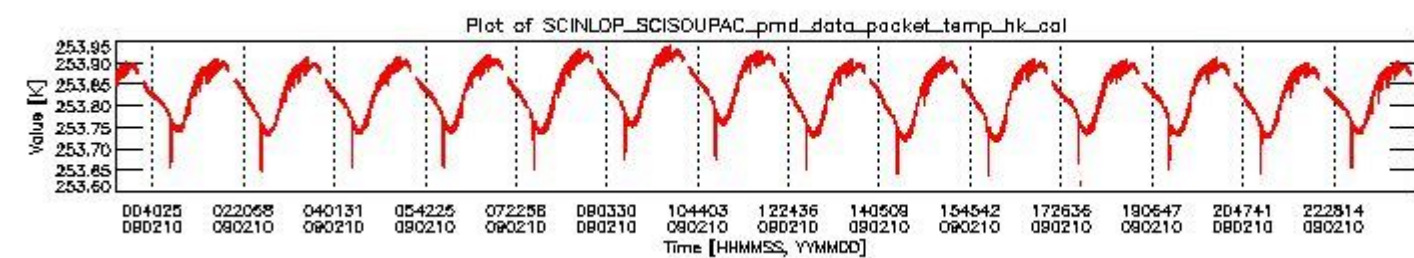
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090210_0.PNG



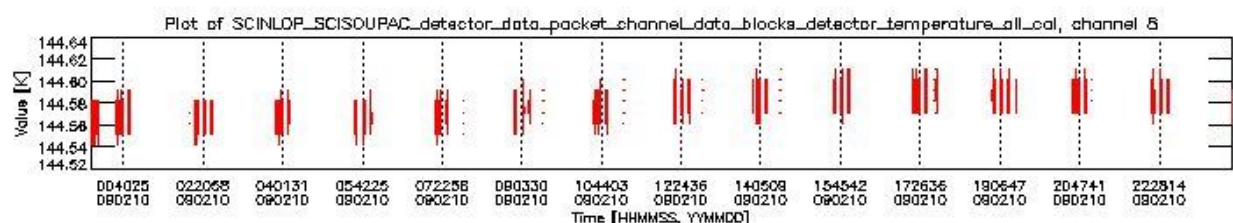
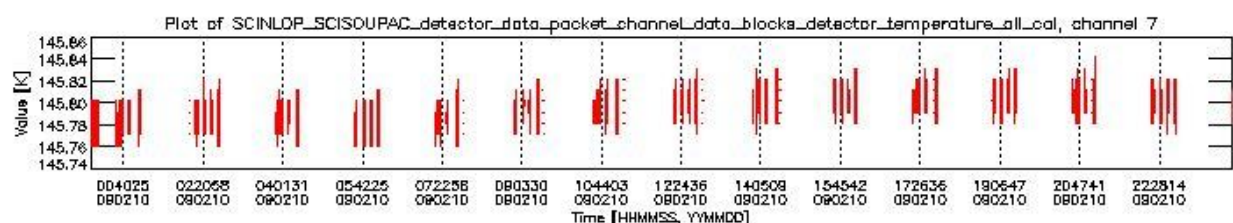
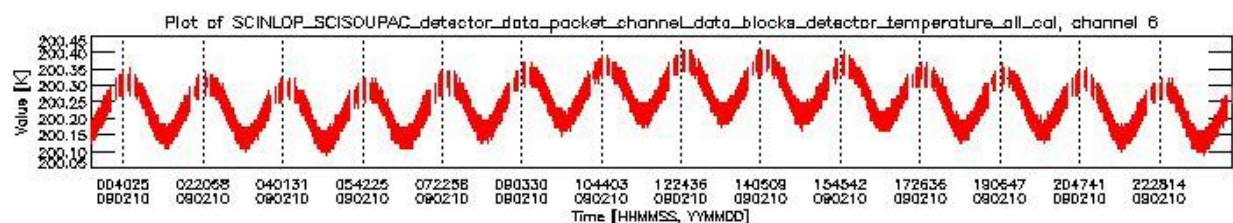
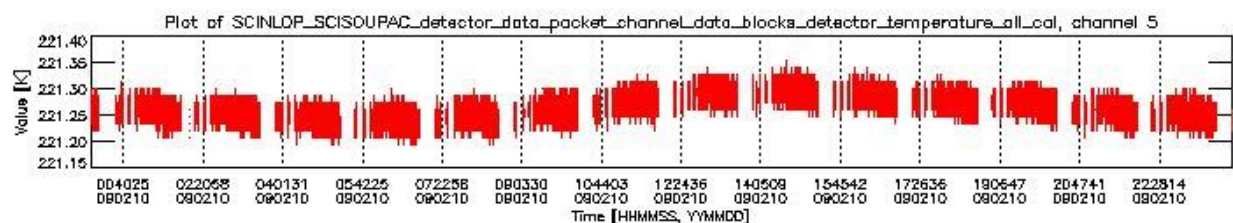
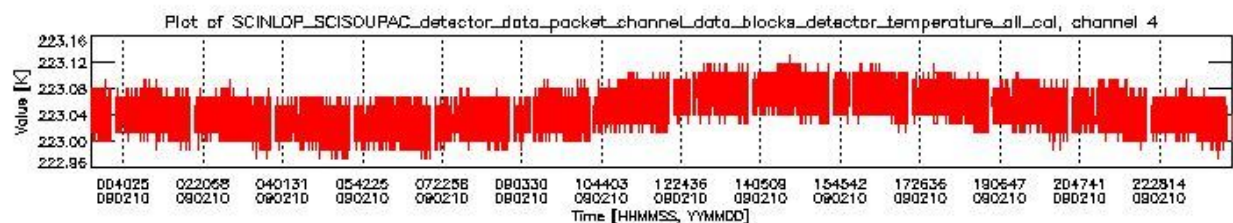
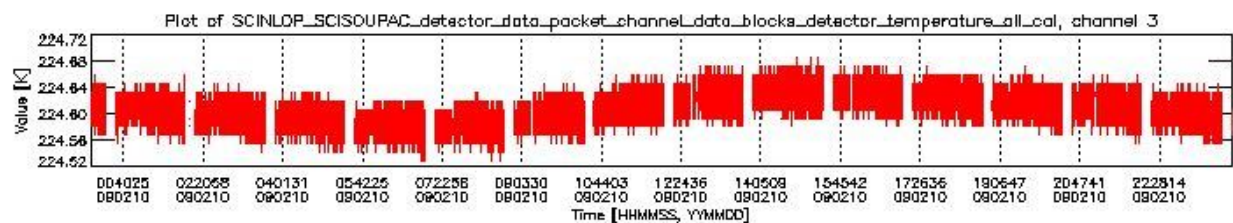
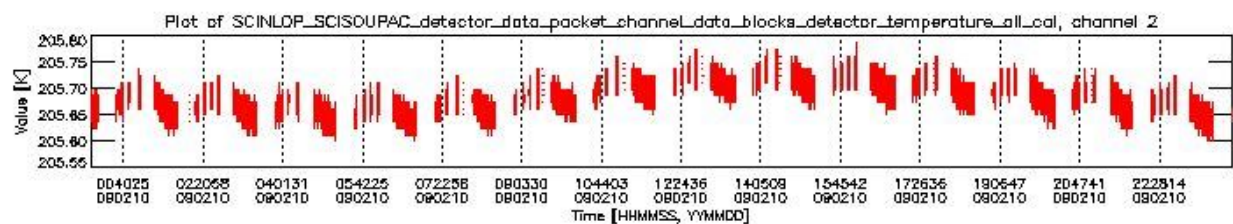
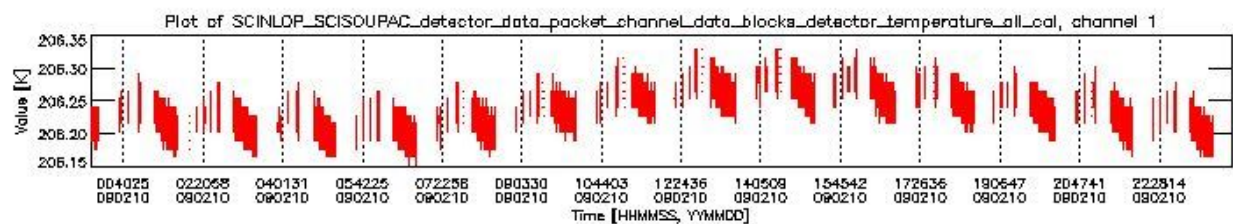
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090210_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090210_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090210_3.PNG

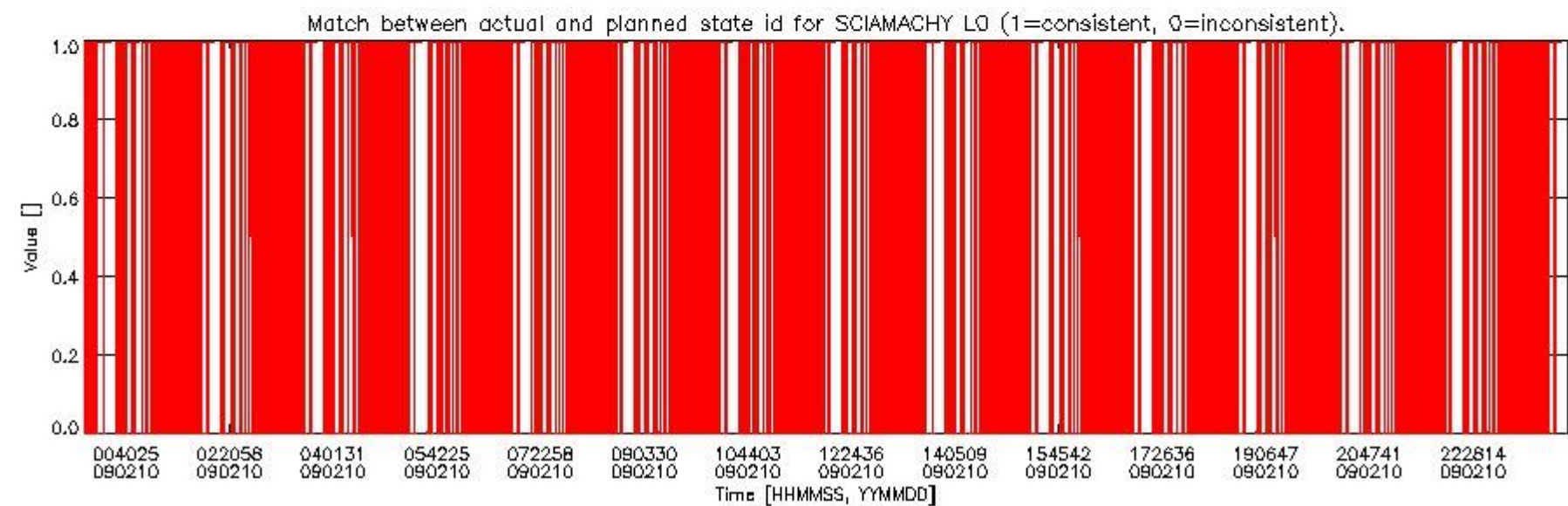
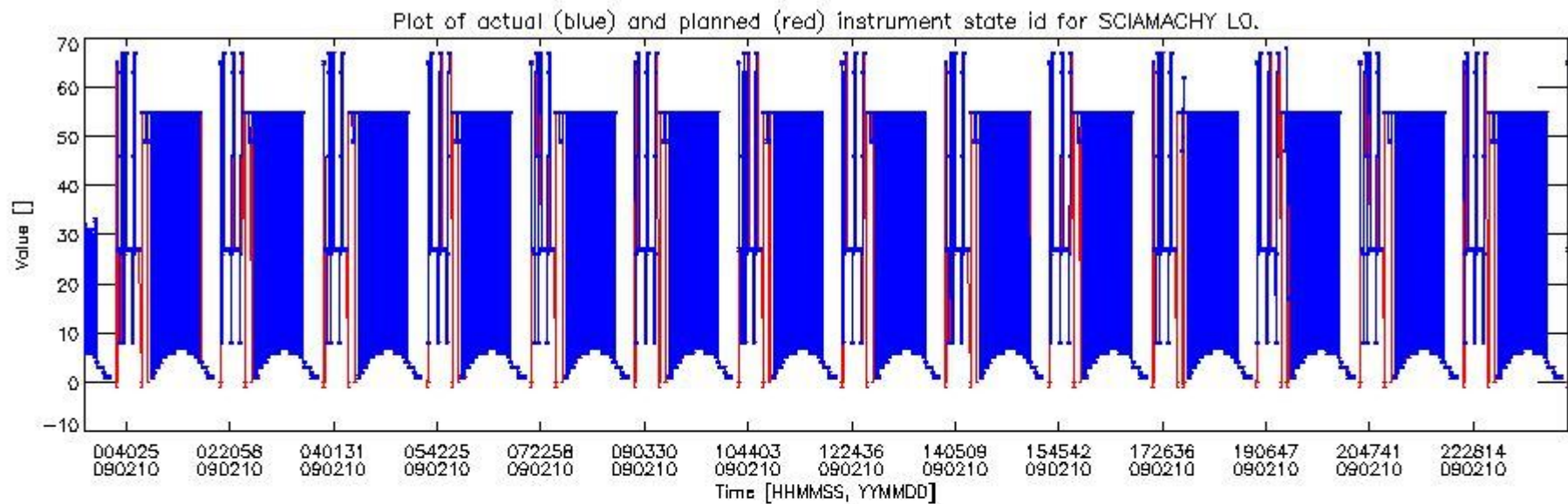


0.3 State monitoring

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: **51562**

#	Actual time	Actual value	Planned time	Planned value
0	10FEB2009 00:00:00.191309	32	10FEB2009 00:00:00.191309	6
1	10FEB2009 00:00:00.566322	32	10FEB2009 00:00:00.566322	6
2	10FEB2009 00:00:45.312408	6	10FEB2009 00:00:45.312408	32
3	10FEB2009 00:00:45.687421	6	10FEB2009 00:00:45.687421	32
4	10FEB2009 00:00:45.937429	6	10FEB2009 00:00:45.937429	32
5	10FEB2009 00:00:46.187398	6	10FEB2009 00:00:46.187398	32
6	10FEB2009 00:00:46.437407	6	10FEB2009 00:00:46.437407	32
7	10FEB2009 00:00:46.687415	6	10FEB2009 00:00:46.687415	32
8	10FEB2009 00:00:46.937424	6	10FEB2009 00:00:46.937424	32
9	10FEB2009 00:00:47.187392	6	10FEB2009 00:00:47.187392	32
10	10FEB2009 00:00:47.437401	6	10FEB2009 00:00:47.437401	32
11	10FEB2009 00:00:47.687410	6	10FEB2009 00:00:47.687410	32
12	10FEB2009 00:00:47.937419	6	10FEB2009 00:00:47.937419	32
13	10FEB2009 00:00:48.187427	6	10FEB2009 00:00:48.187427	32
14	10FEB2009 00:00:48.437396	6	10FEB2009 00:00:48.437396	32
15	10FEB2009 00:00:48.687404	6	10FEB2009 00:00:48.687404	32
16	10FEB2009 00:00:48.937413	6	10FEB2009 00:00:48.937413	32
17	10FEB2009 00:00:49.187422	6	10FEB2009 00:00:49.187422	32
18	10FEB2009 00:00:49.437431	6	10FEB2009 00:00:49.437431	32
19	10FEB2009 00:00:49.687399	6	10FEB2009 00:00:49.687399	32
...

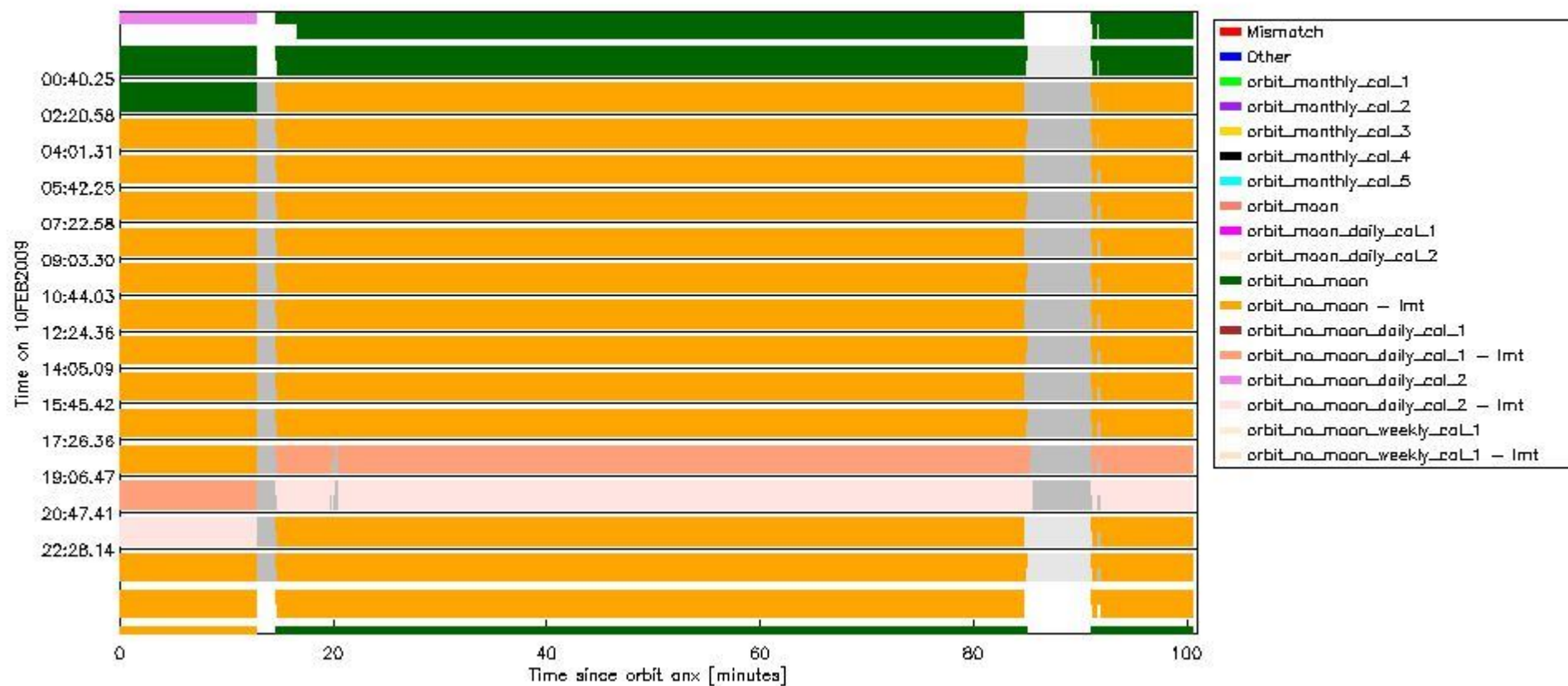


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090210_5.PNG

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 10FEB2009.
 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_20090210_6.PNG

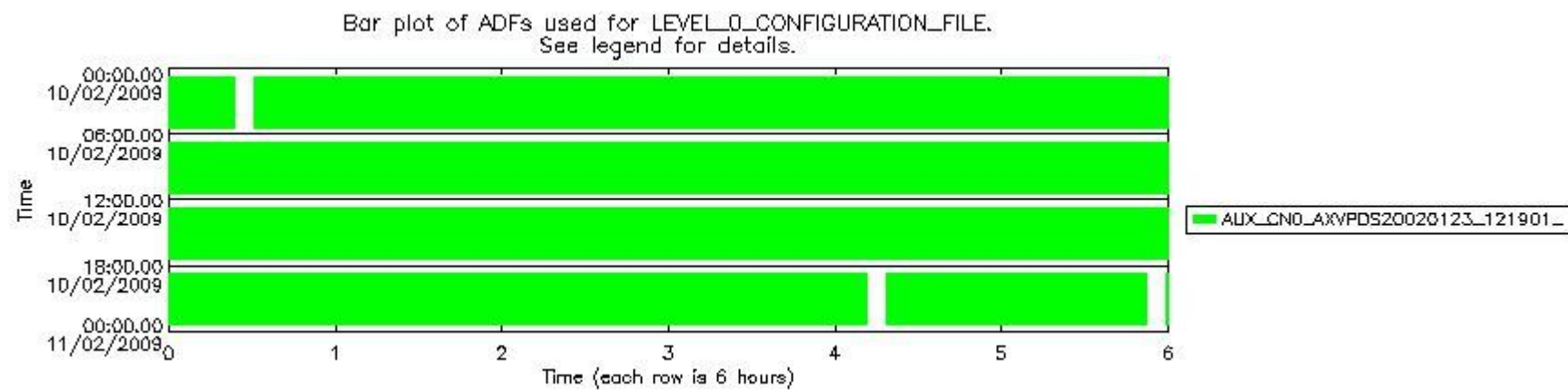
0.4 ADF monitoring

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

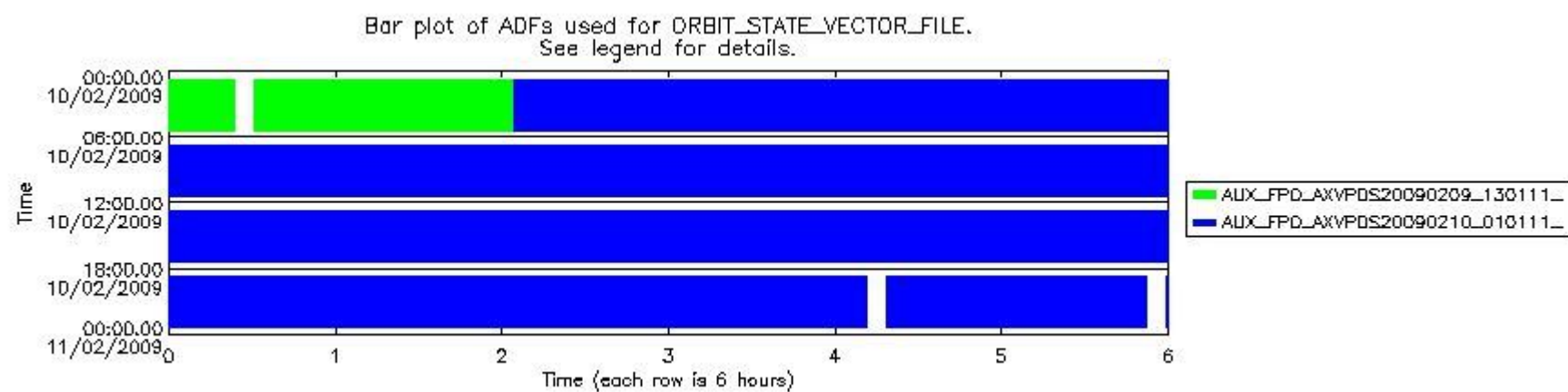
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

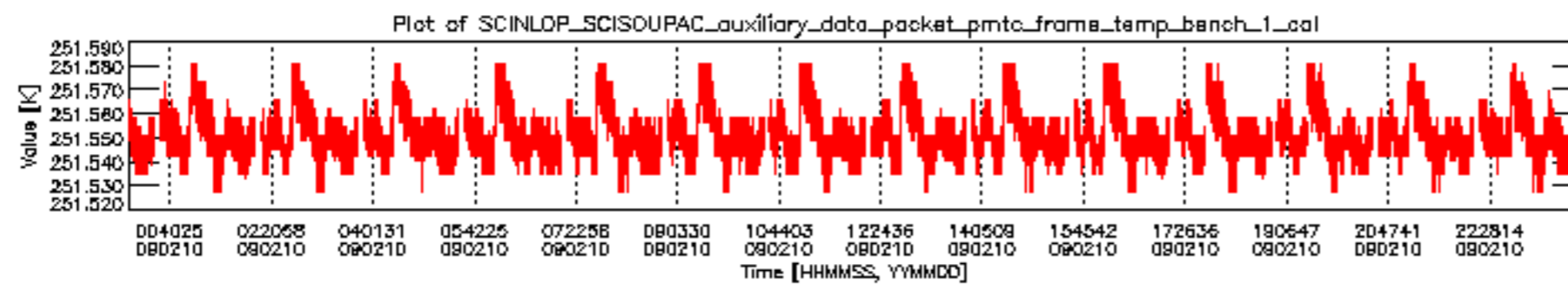
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090209_130111_20090208_182938_20090218_213629
2	AUX_FPO_AXVPDS20090210_010111_20090209_193837_20090219_210452

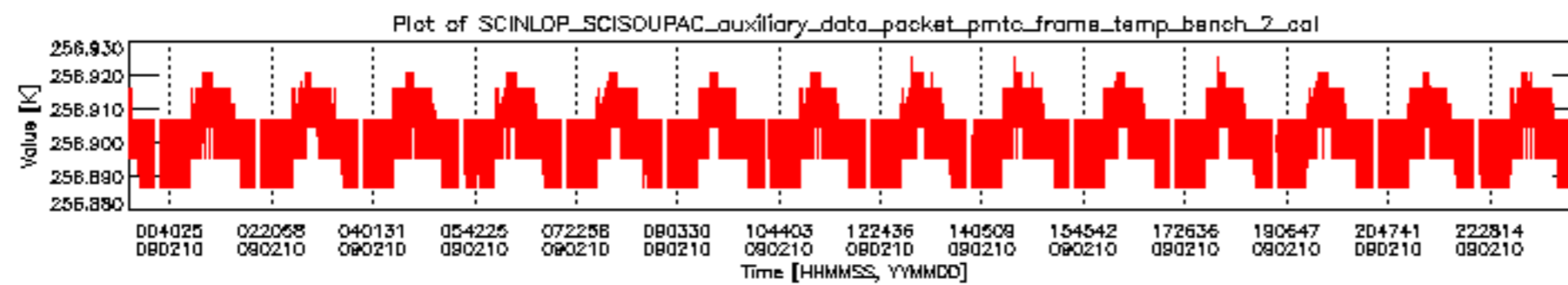


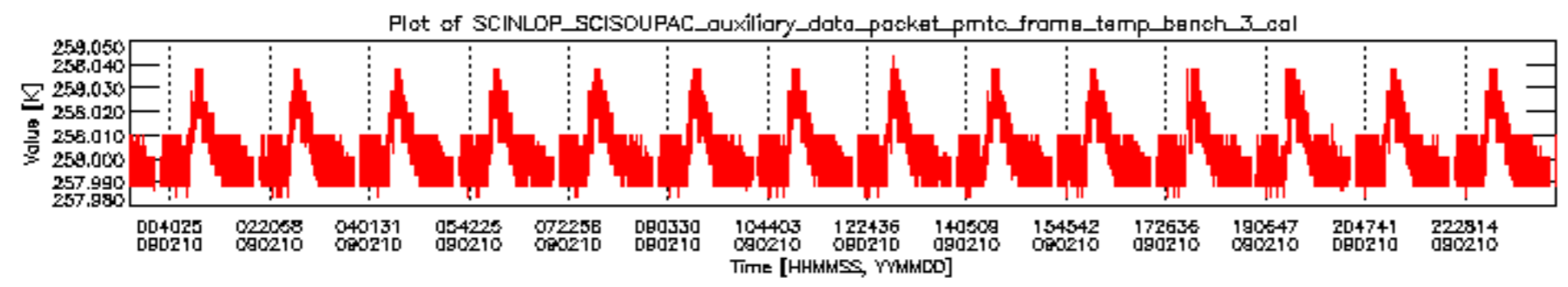
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090210_7.PNG

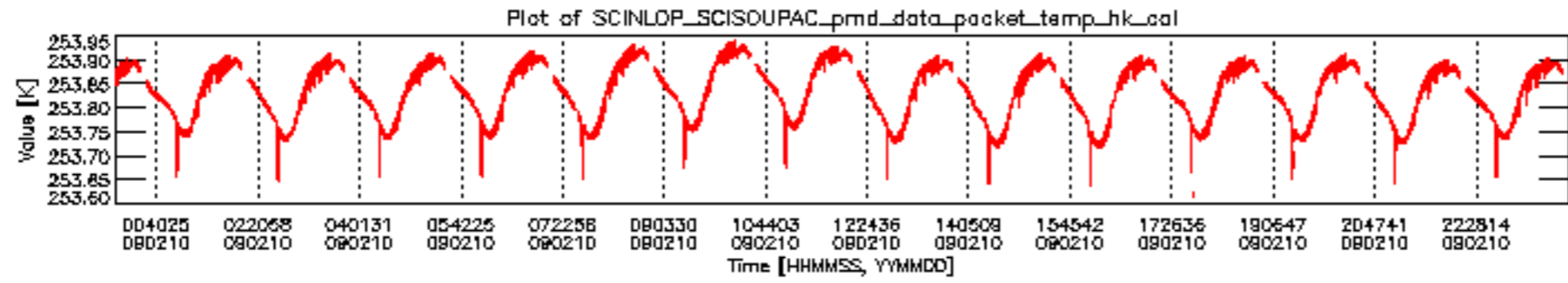


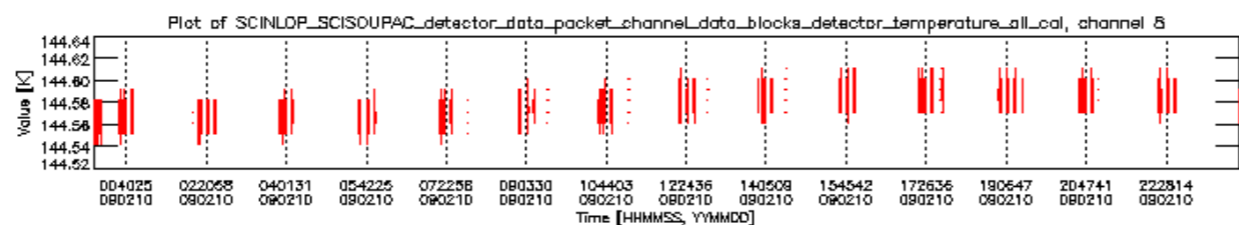
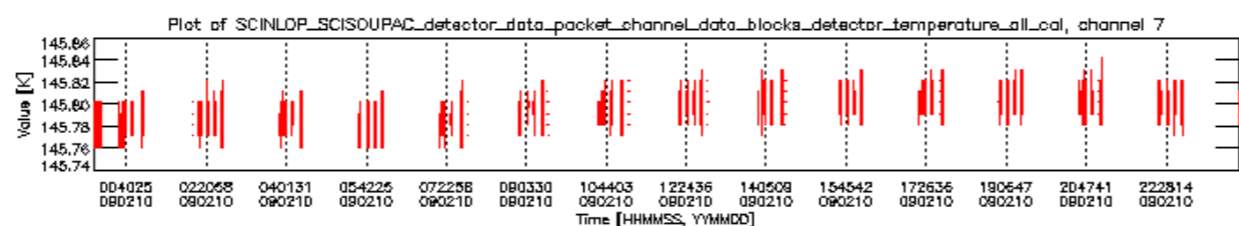
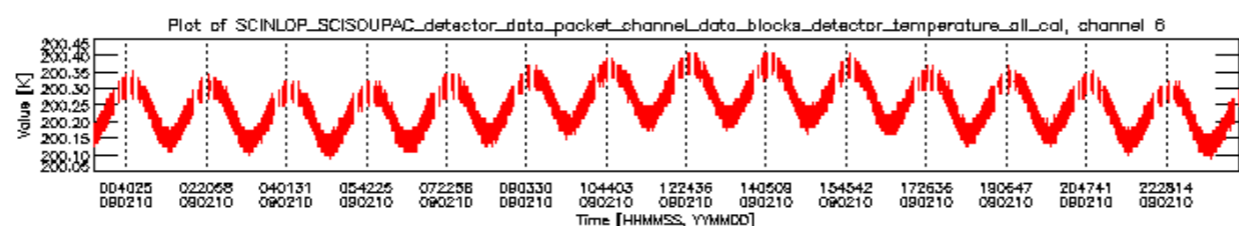
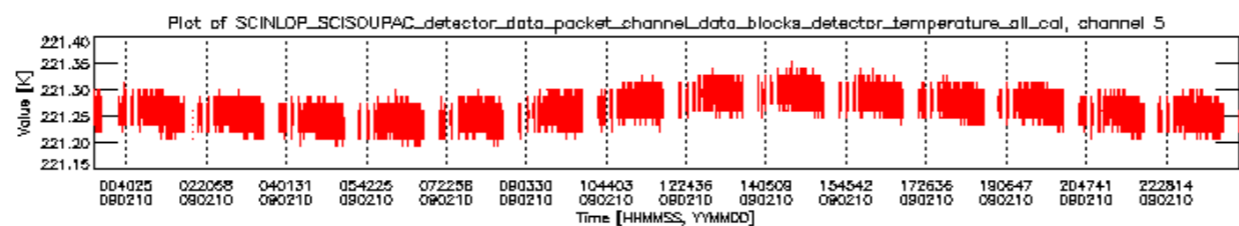
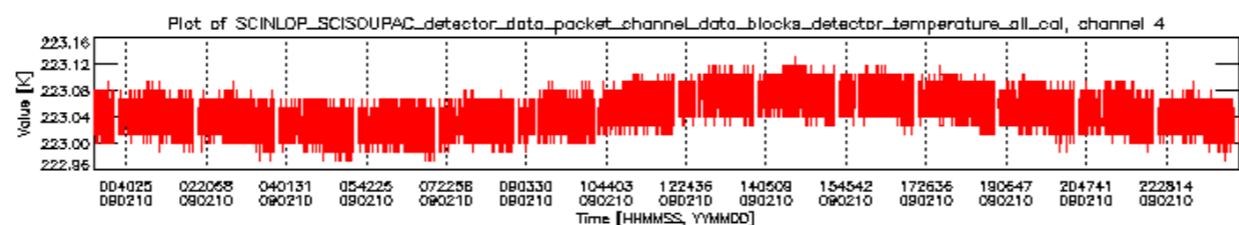
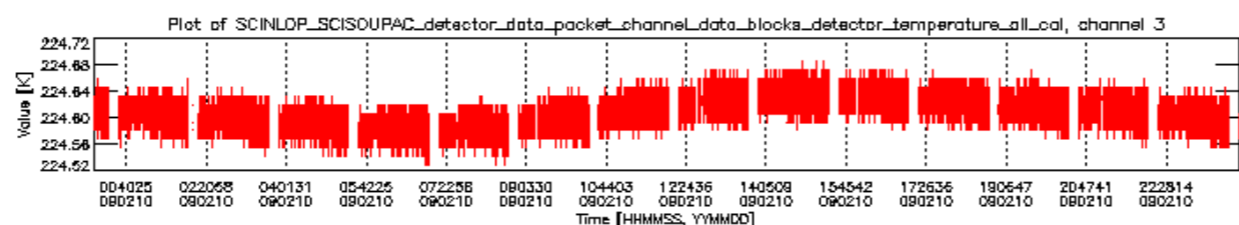
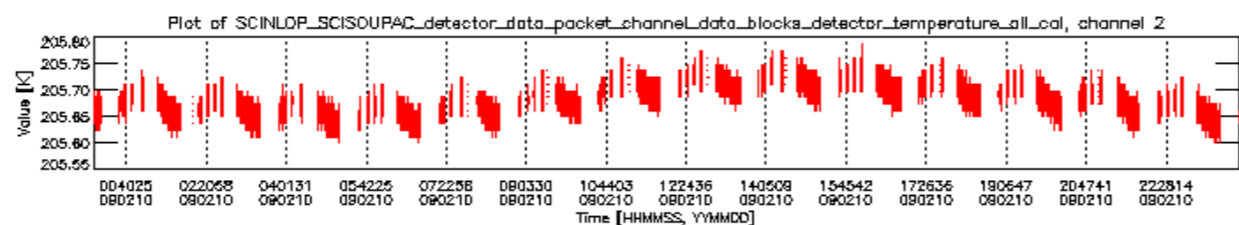
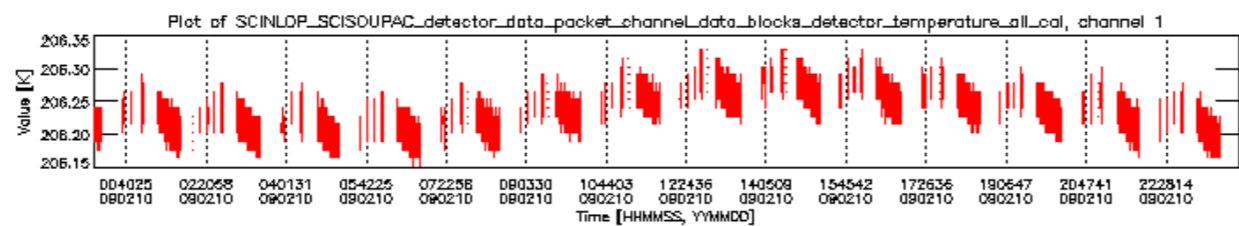
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090210_8.PNG

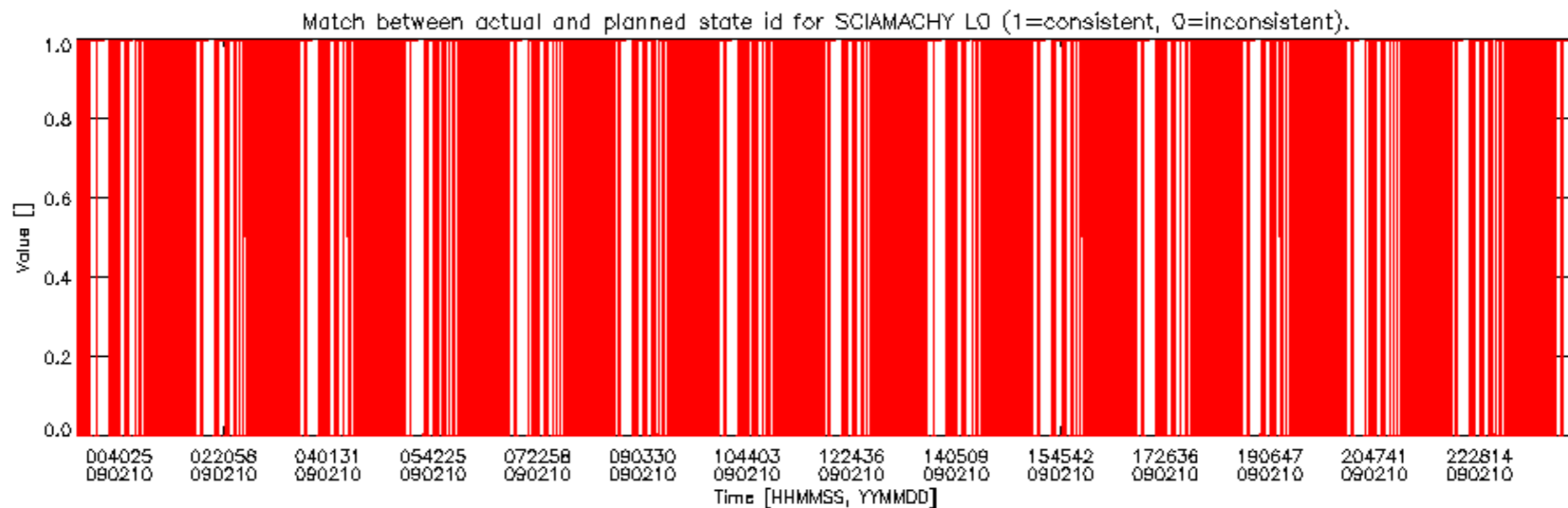
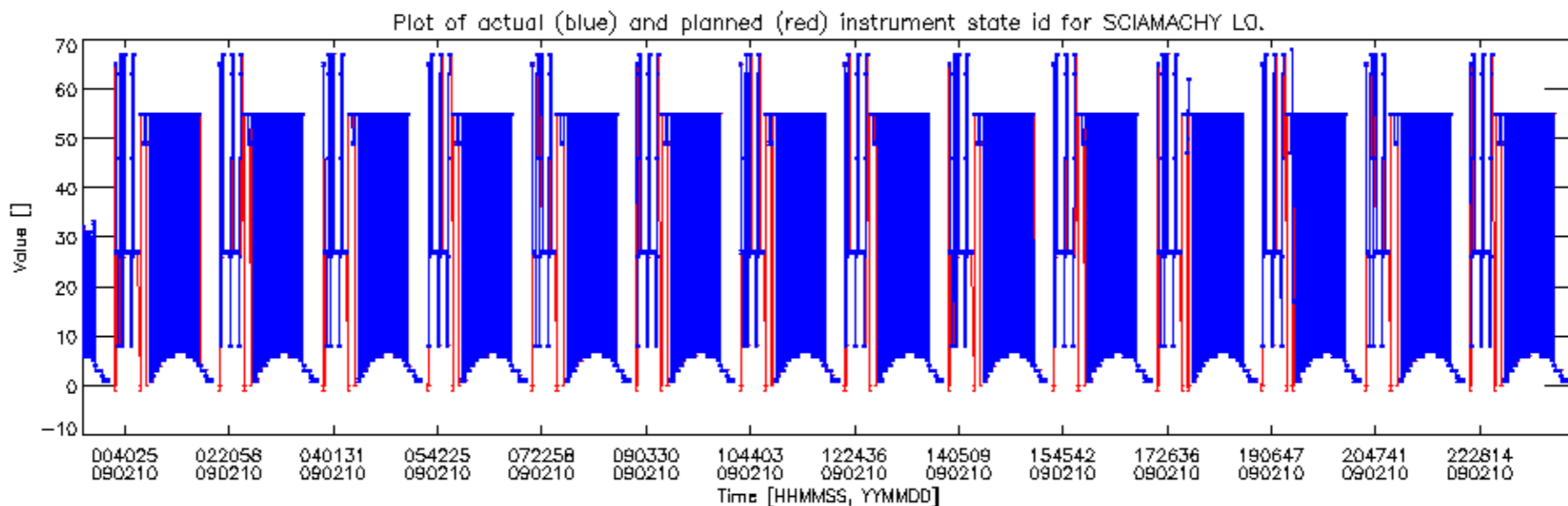












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 10FEB2009.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

