

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	v1.4 20100407
Time of report generation	08FEB2011 03:01:45
Data source version	KSPT_L0/4504-N
Processing scope for products	01FEB2011 00:00:00 to 02FEB2011 00:00:00
Start time of first product within scope	01FEB2011 00:52:03
Stop time of last product within scope	02FEB2011 00:08:34
Total number of Level 0 products	15
Number of Level 0 products with errors	0

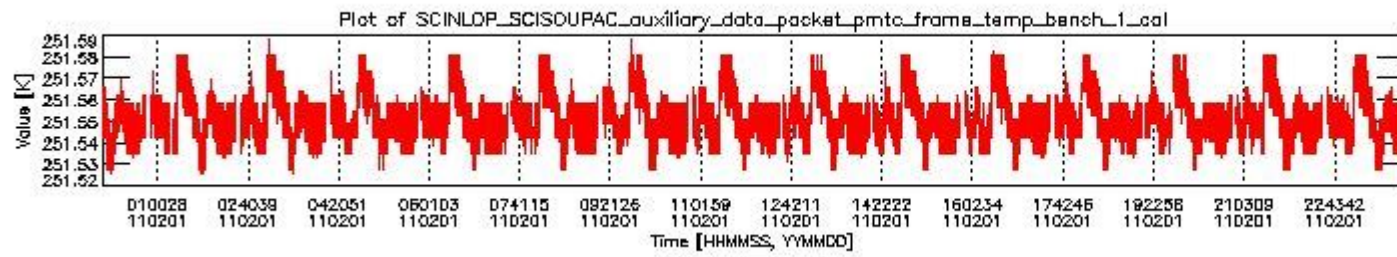
0.1.2 Summary per product

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

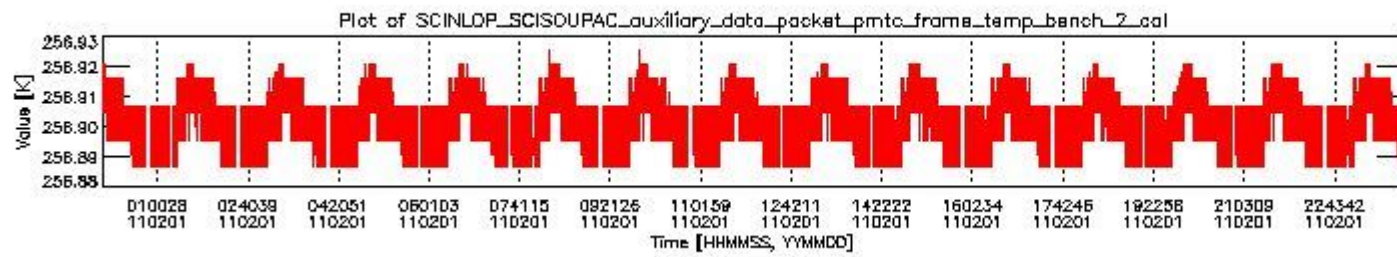
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20110201_005203_000055603099_00088_46654_2474.N1	01FEB2011 00:52:03	01FEB2011 02:24:43	0	0	0	0	0
1	SCI_NL__OPNPDE20110201_022335_000045923099_00089_46655_2475.N1	01FEB2011 02:23:35	01FEB2011 03:40:06	0	0	0	0	0
2	SCI_NL__OPNPDE20110201_033858_000062053099_00090_46656_2476.N1	01FEB2011 03:38:58	01FEB2011 05:22:22	0	0	0	0	0
3	SCI_NL__OPNPDE20110201_052222_000059453099_00091_46657_2477.N1	01FEB2011 05:22:22	01FEB2011 07:01:28	0	0	0	0	0
4	SCI_NL__OPNPDK20110201_070128_000041183099_00092_46658_3715.N1	01FEB2011 07:01:28	01FEB2011 08:10:06	0	0	0	0	0
5	SCI_NL__OPNPDK20110201_080803_000060683099_00093_46659_3716.N1	01FEB2011 08:08:03	01FEB2011 09:49:11	0	0	0	0	0
6	SCI_NL__OPNPDK20110201_094817_000060823099_00094_46660_3717.N1	01FEB2011 09:48:17	01FEB2011 11:29:39	0	0	0	0	0
7	SCI_NL__OPNPDK20110201_112736_000060683099_00095_46661_3718.N1	01FEB2011 11:27:36	01FEB2011 13:08:44	0	0	0	0	0
8	SCI_NL__OPNPDK20110201_130641_000060143099_00096_46662_3719.N1	01FEB2011 13:06:41	01FEB2011 14:46:55	0	0	0	0	0
9	SCI_NL__OPNPDK20110201_144506_000058223099_00097_46663_3720.N1	01FEB2011 14:45:06	01FEB2011 16:22:08	0	0	0	0	0
10	SCI_NL__OPNPDK20110201_162208_000059043099_00098_46664_3721.N1	01FEB2011 16:22:08	01FEB2011 18:00:32	0	0	0	0	0
11	SCI_NL__OPNPDK20110201_175938_000060143099_00099_46665_3722.N1	01FEB2011 17:59:38	01FEB2011 19:39:52	0	0	0	0	0
12	SCI_NL__OPNPDE20110201_193857_000041033099_00100_46666_2478.N1	01FEB2011 19:38:57	01FEB2011 20:47:20	0	0	0	0	0
13	SCI_NL__OPNPDE20110201_204612_000061433099_00100_46666_2479.N1	01FEB2011 20:46:12	01FEB2011 22:28:35	0	0	0	0	0
14	SCI_NL__OPNPDE20110201_223501_000056143099_00101_46667_2480.N1	01FEB2011 22:35:01	02FEB2011 00:08:34	0	0	0	0	0

0.2 Product Quality Indicators

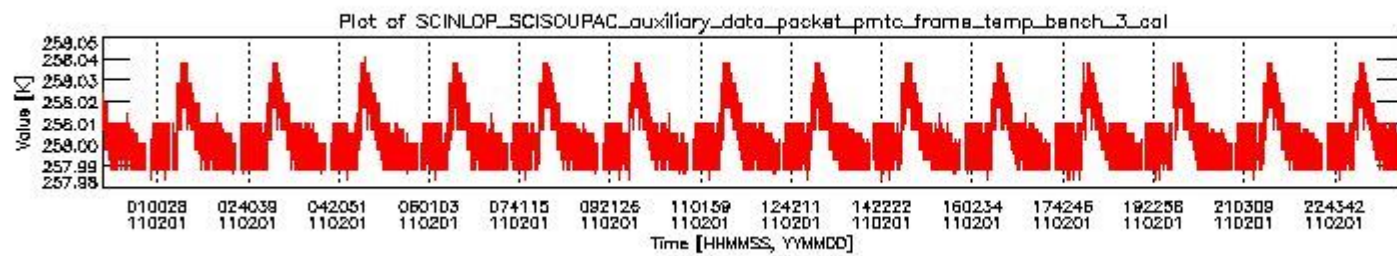
This section shows information about product quality, currently temperatures.



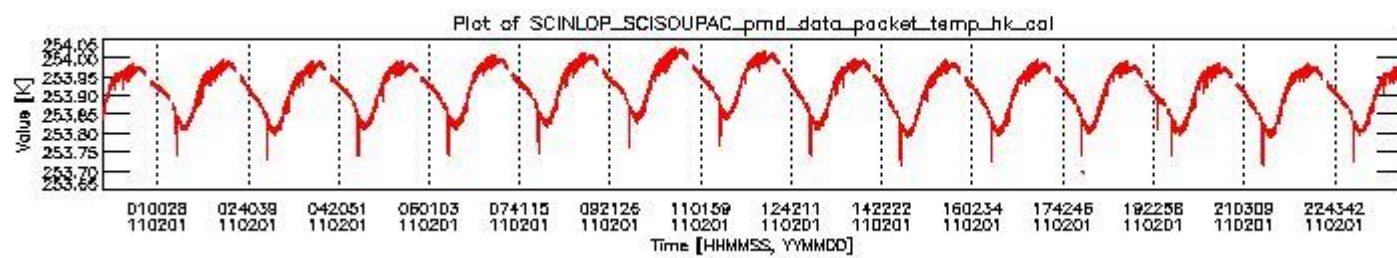
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110201_0.PNG



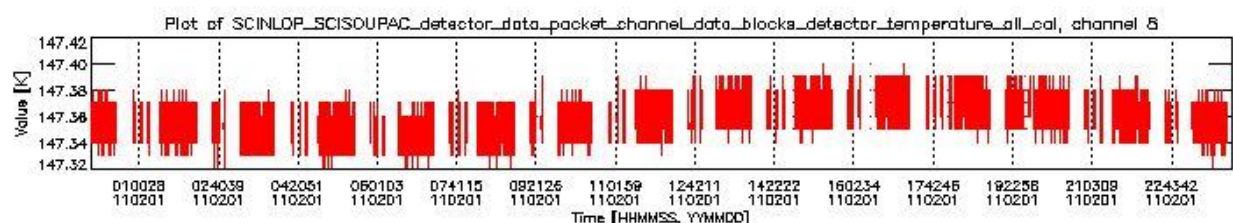
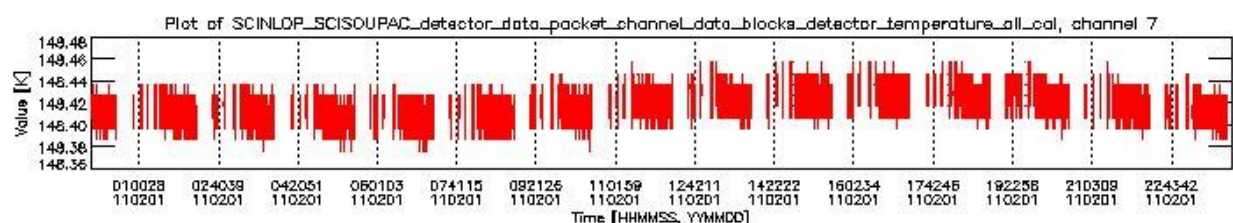
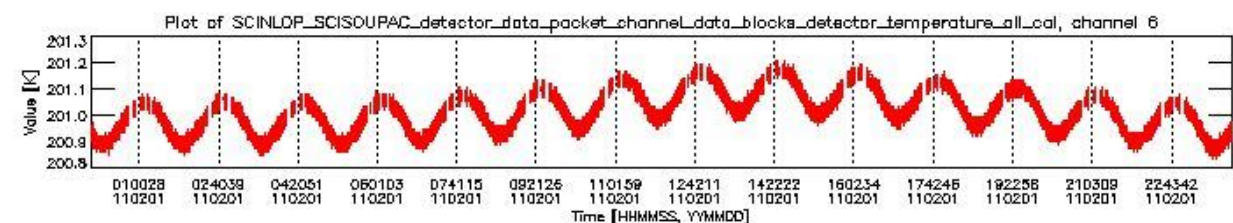
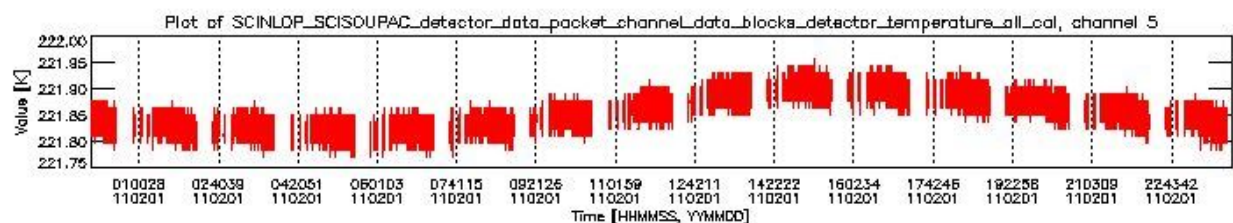
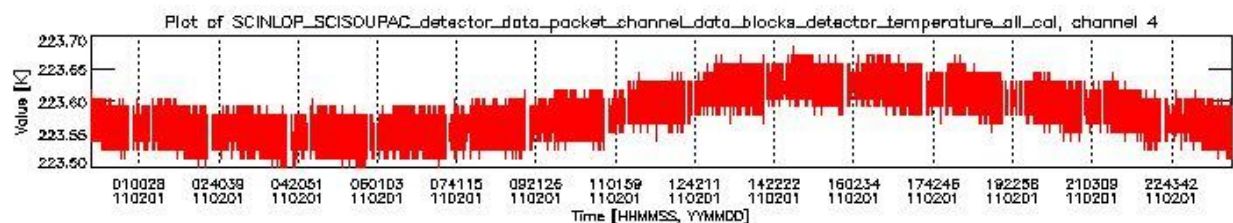
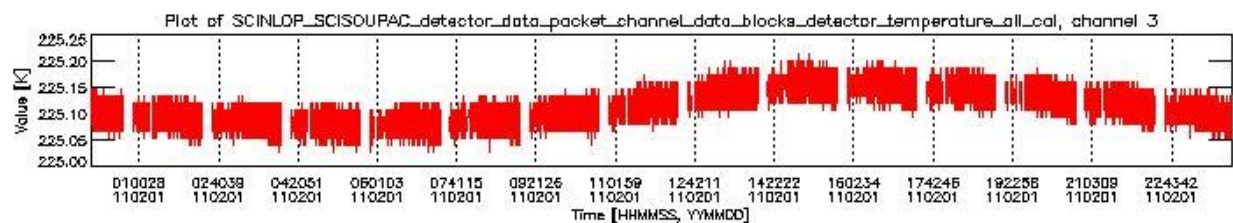
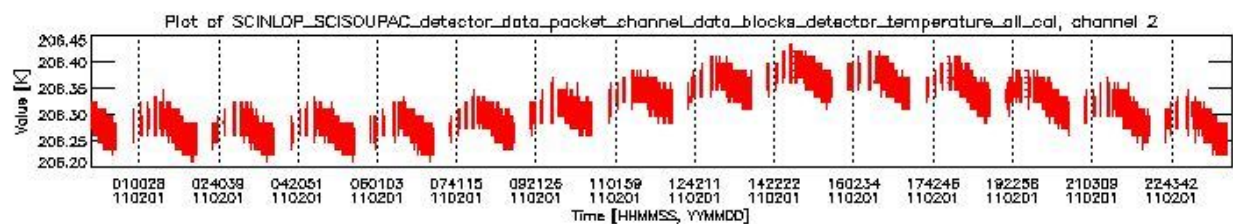
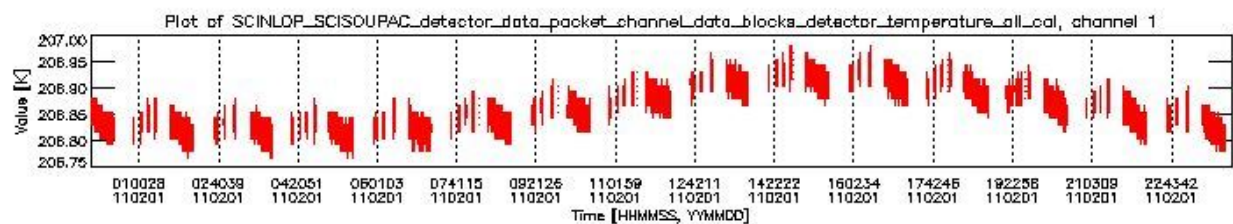
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110201_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20110201_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20110201_3.PNG

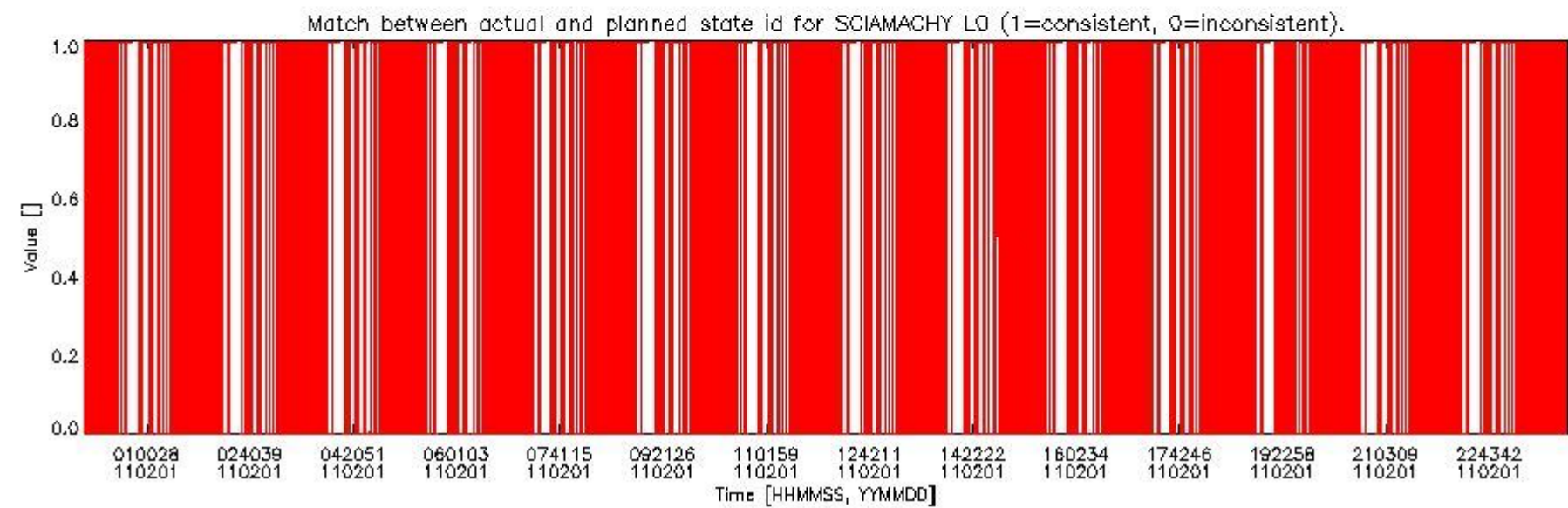
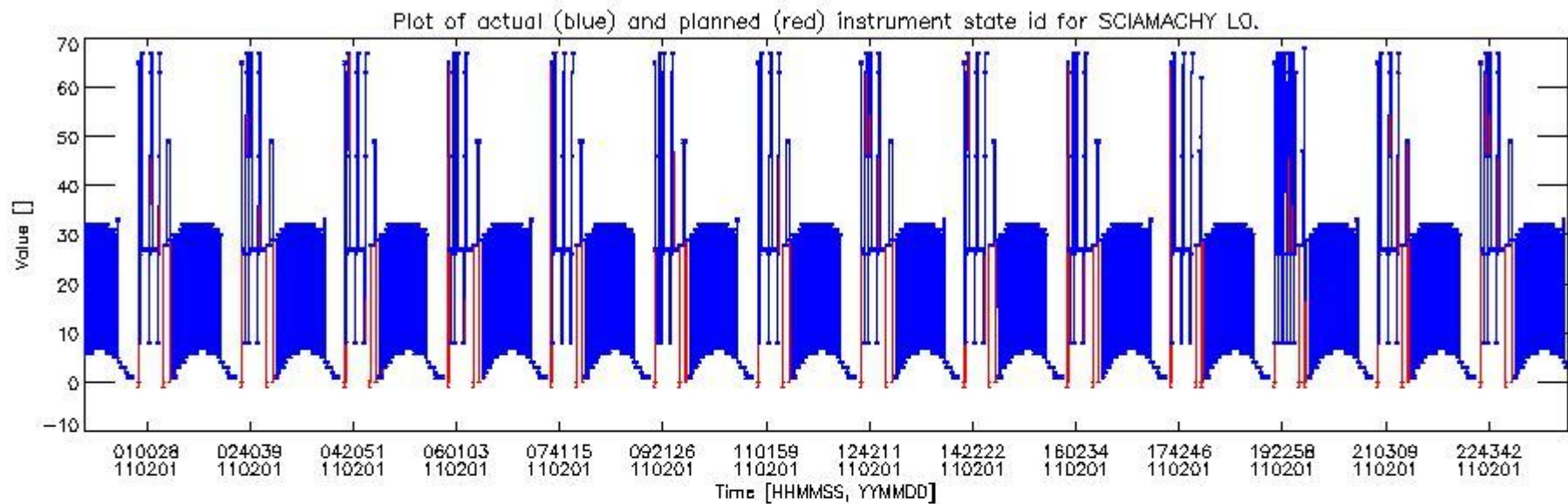


0.3 State monitoring

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: **29775**

#	Actual time	Actual value	Planned time	Planned value
0	01FEB2011 00:00:06.227713	6	01FEB2011 00:00:06.227713	32
1	01FEB2011 00:00:06.602713	6	01FEB2011 00:00:06.602713	32
2	01FEB2011 00:00:06.852713	6	01FEB2011 00:00:06.852713	32
3	01FEB2011 00:00:07.102713	6	01FEB2011 00:00:07.102713	32
4	01FEB2011 00:00:07.352713	6	01FEB2011 00:00:07.352713	32
5	01FEB2011 00:00:07.602713	6	01FEB2011 00:00:07.602713	32
6	01FEB2011 00:00:07.852713	6	01FEB2011 00:00:07.852713	32
7	01FEB2011 00:00:08.102713	6	01FEB2011 00:00:08.102713	32
8	01FEB2011 00:00:08.352713	6	01FEB2011 00:00:08.352713	32
9	01FEB2011 00:00:08.602713	6	01FEB2011 00:00:08.602713	32
10	01FEB2011 00:00:08.852713	6	01FEB2011 00:00:08.852713	32
11	01FEB2011 00:00:09.102713	6	01FEB2011 00:00:09.102713	32
12	01FEB2011 00:00:09.352713	6	01FEB2011 00:00:09.352713	32
13	01FEB2011 00:00:09.602713	6	01FEB2011 00:00:09.602713	32
14	01FEB2011 00:00:09.852713	6	01FEB2011 00:00:09.852713	32
15	01FEB2011 00:00:10.102713	6	01FEB2011 00:00:10.102713	32
16	01FEB2011 00:00:10.352713	6	01FEB2011 00:00:10.352713	32
17	01FEB2011 00:00:10.602713	6	01FEB2011 00:00:10.602713	32
18	01FEB2011 00:00:10.852713	6	01FEB2011 00:00:10.852713	32
19	01FEB2011 00:00:11.102713	6	01FEB2011 00:00:11.102713	32
...

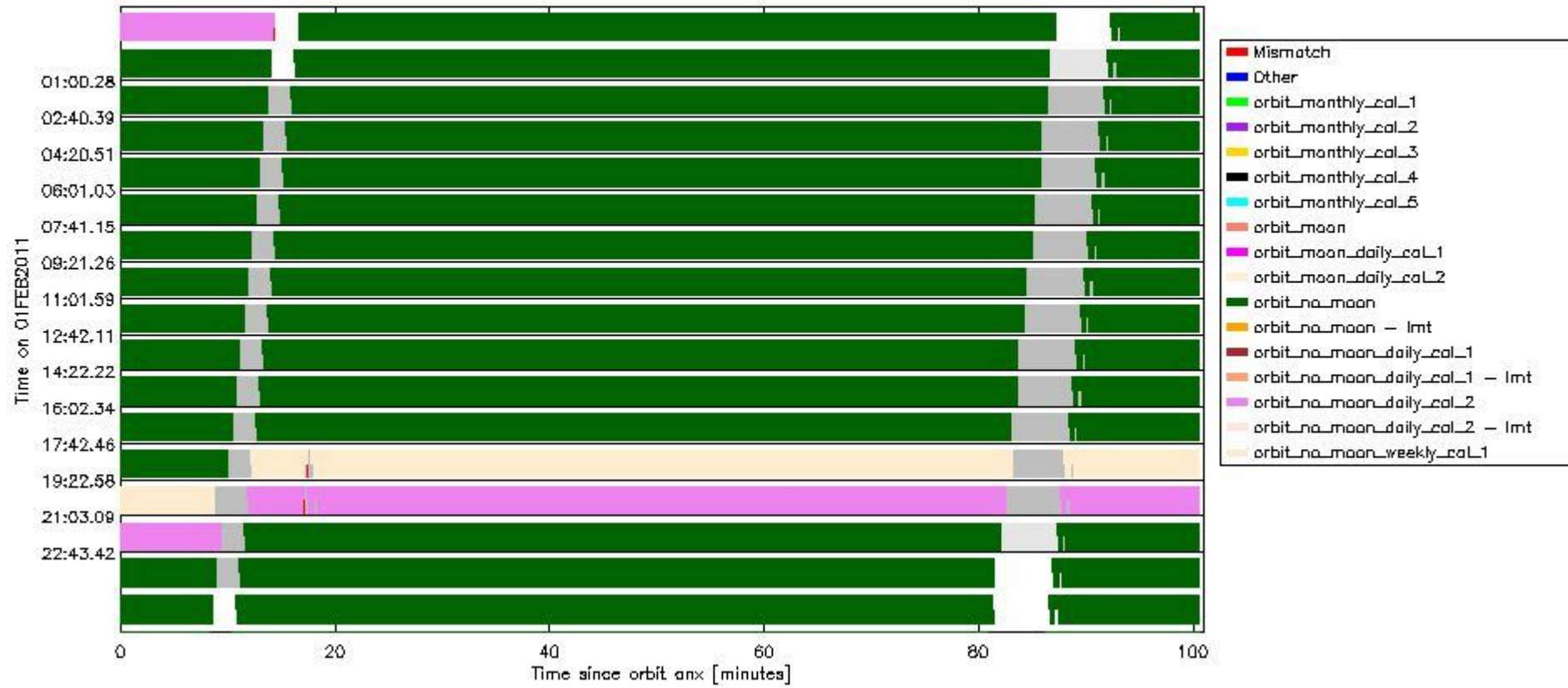


sciamachy_daily_report_level0_KSPT_L0_4504_N_20110201_5.PNG

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 01FEB2011.
 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_4504_N_20110201_6.PNG

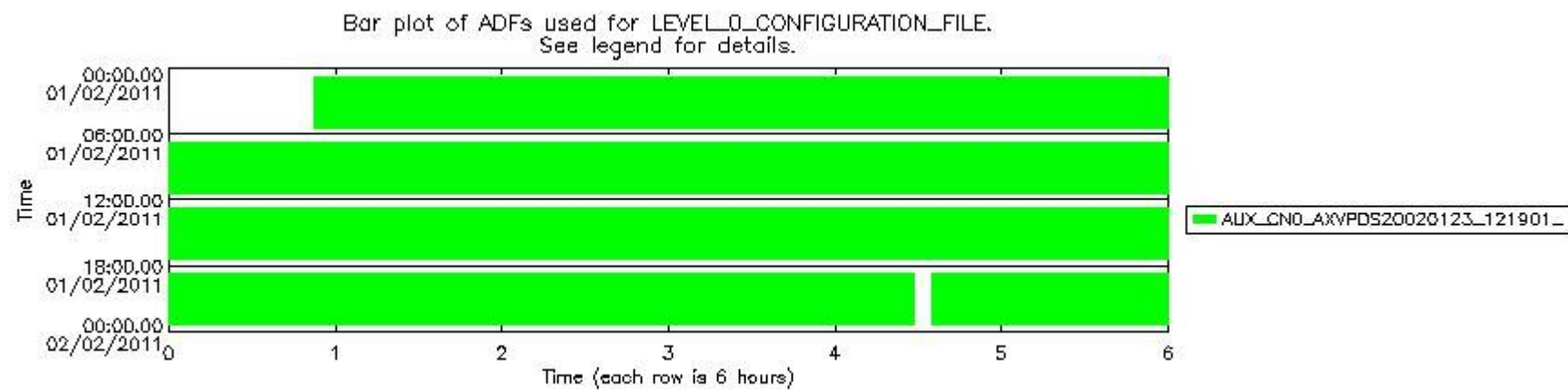
0.4 ADF monitoring

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

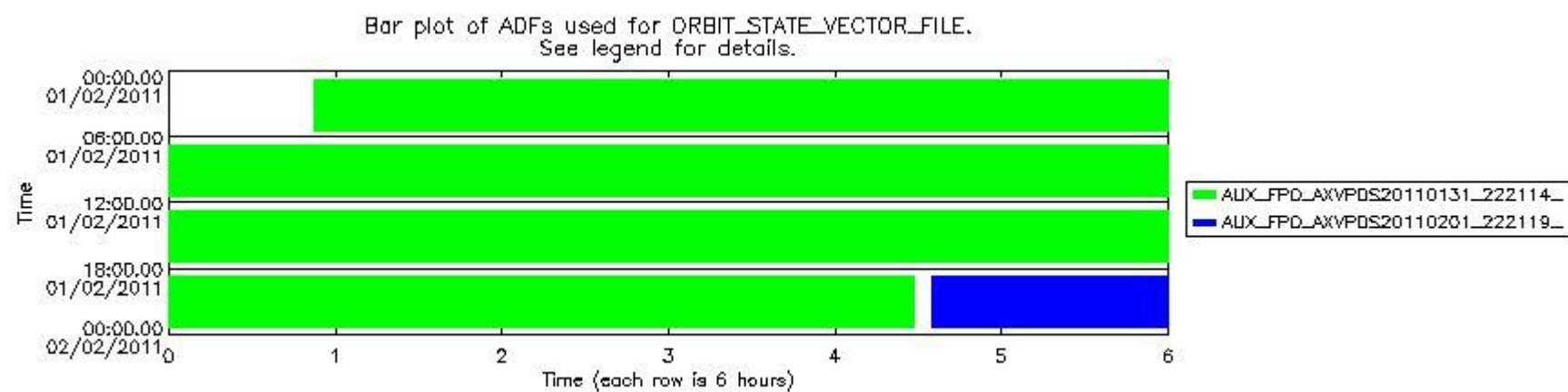
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

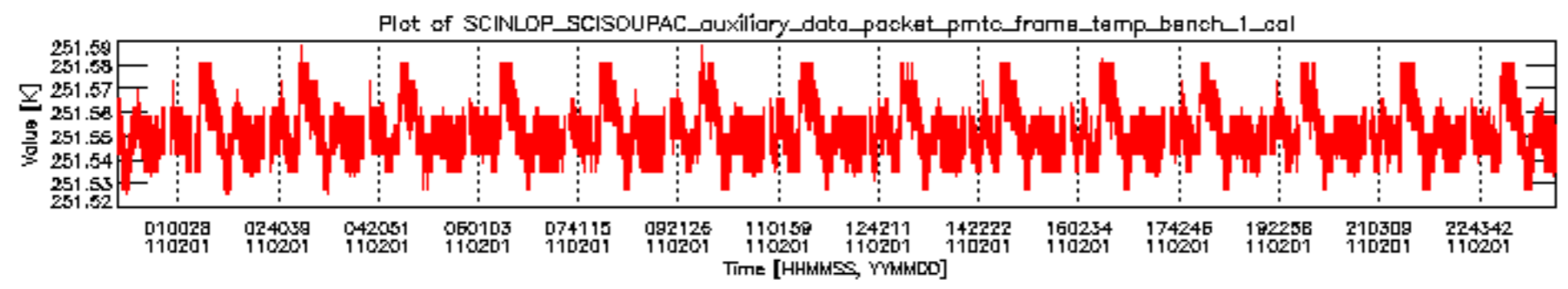
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20110131_222114_20110131_181934_20110210_203325
2	AUX_FPO_AXVPDS20110201_222119_20110201_192304_20110211_213655

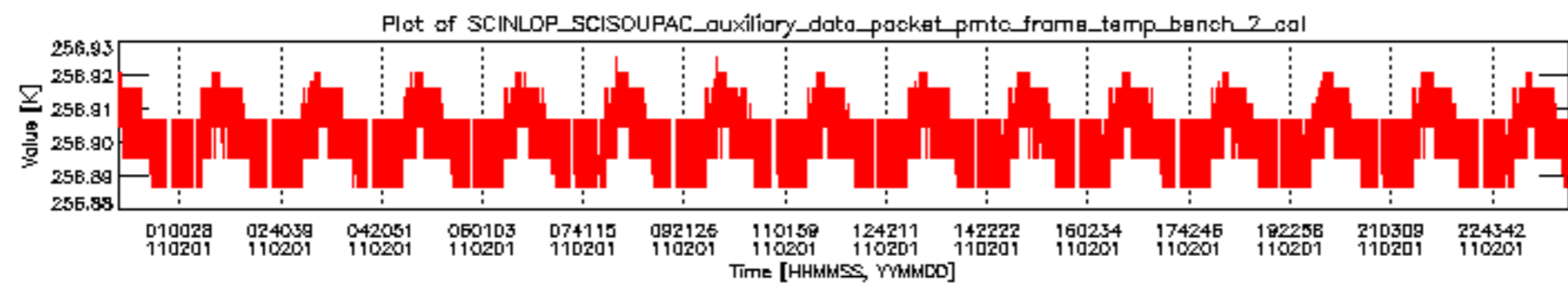


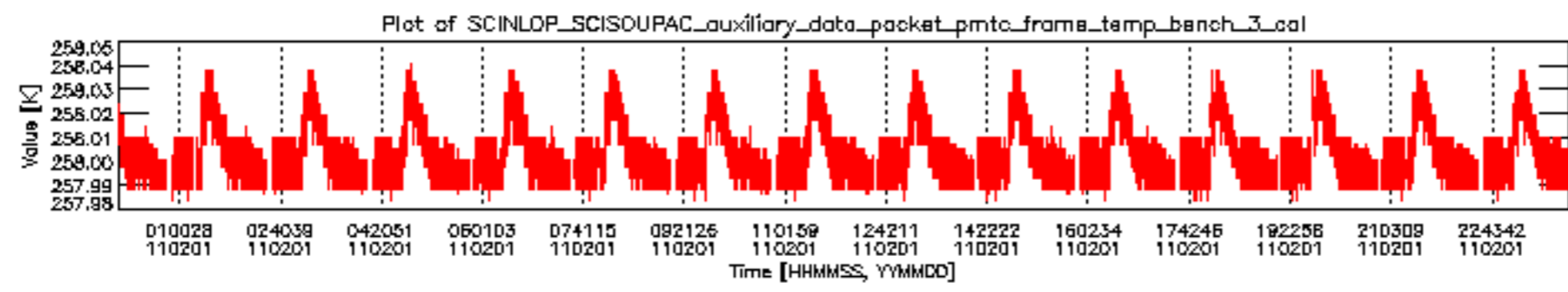
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110201_7.PNG

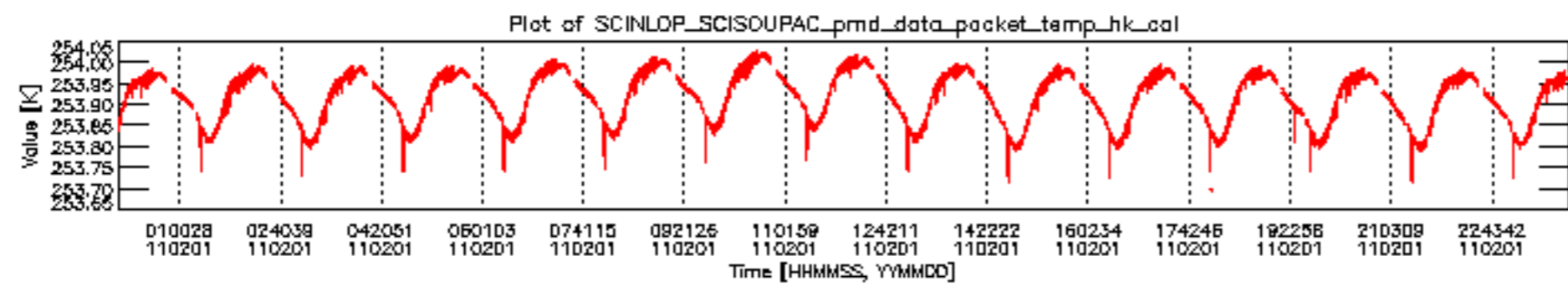


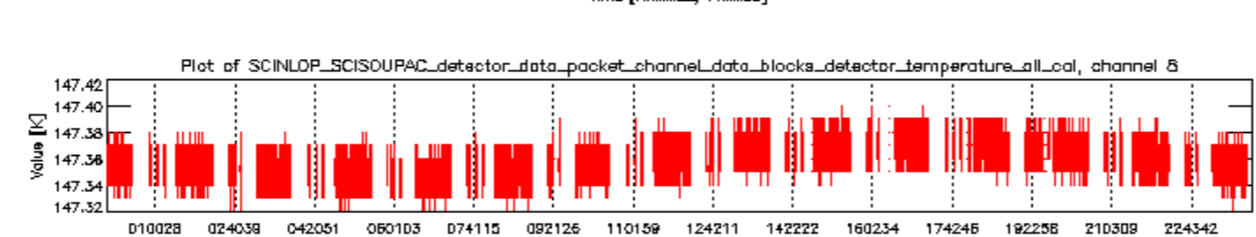
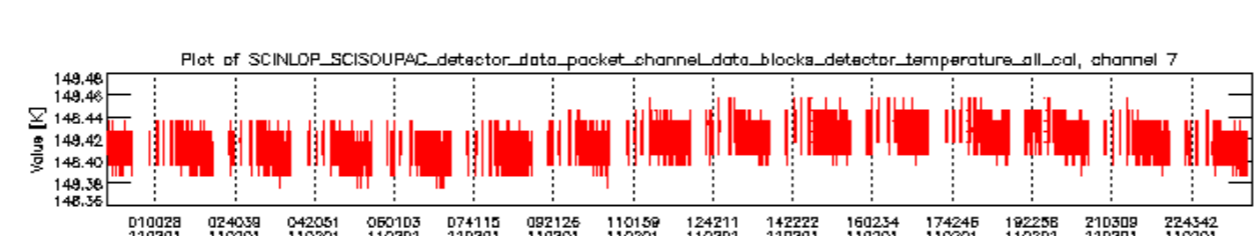
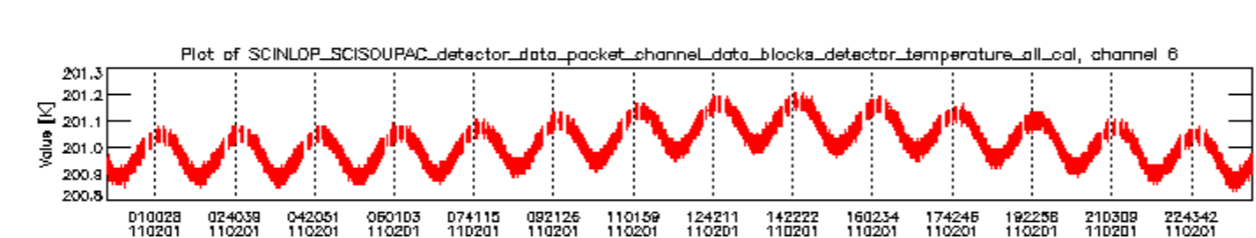
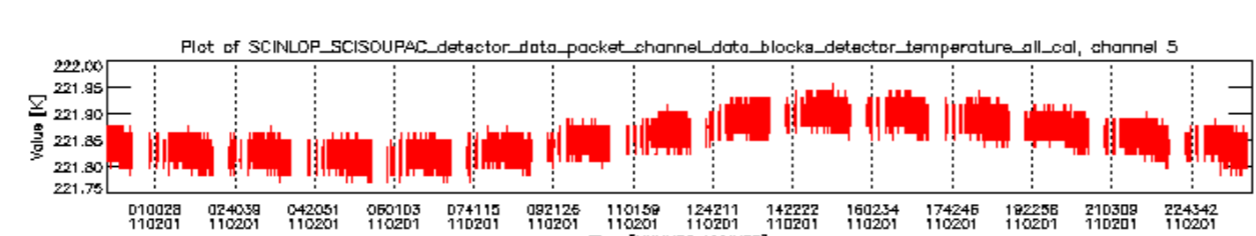
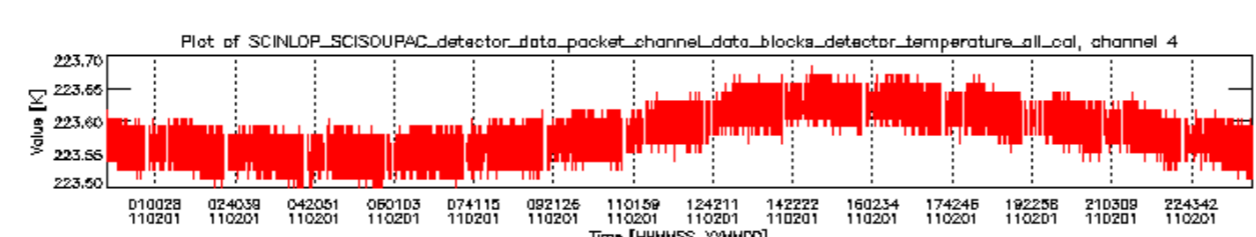
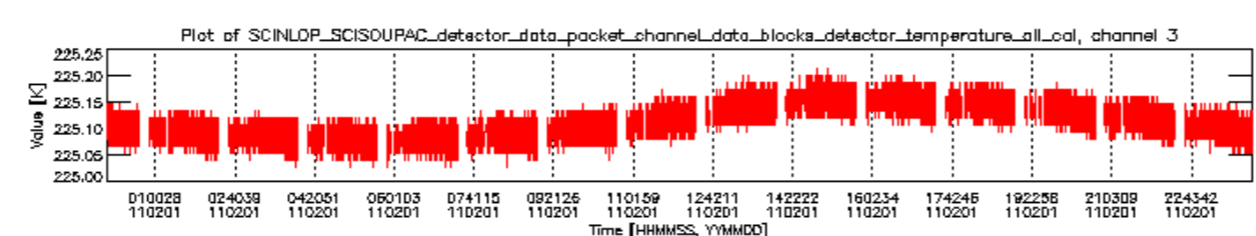
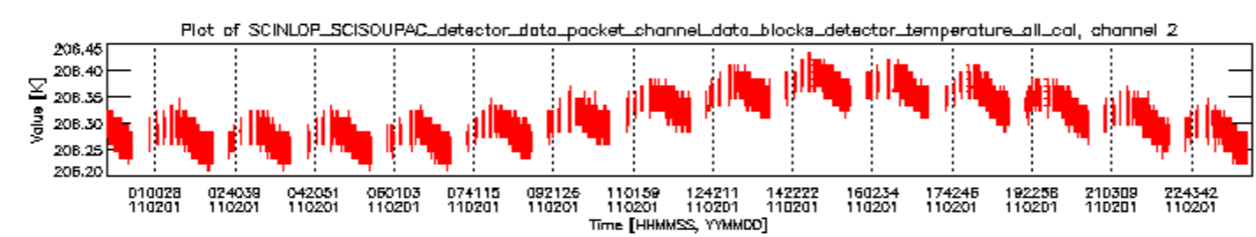
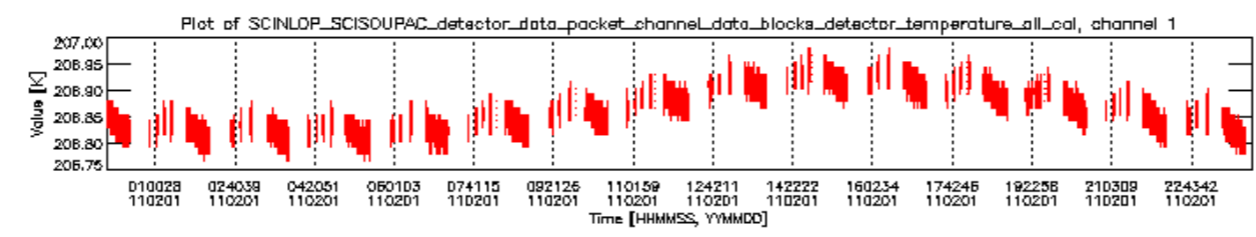
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110201_8.PNG

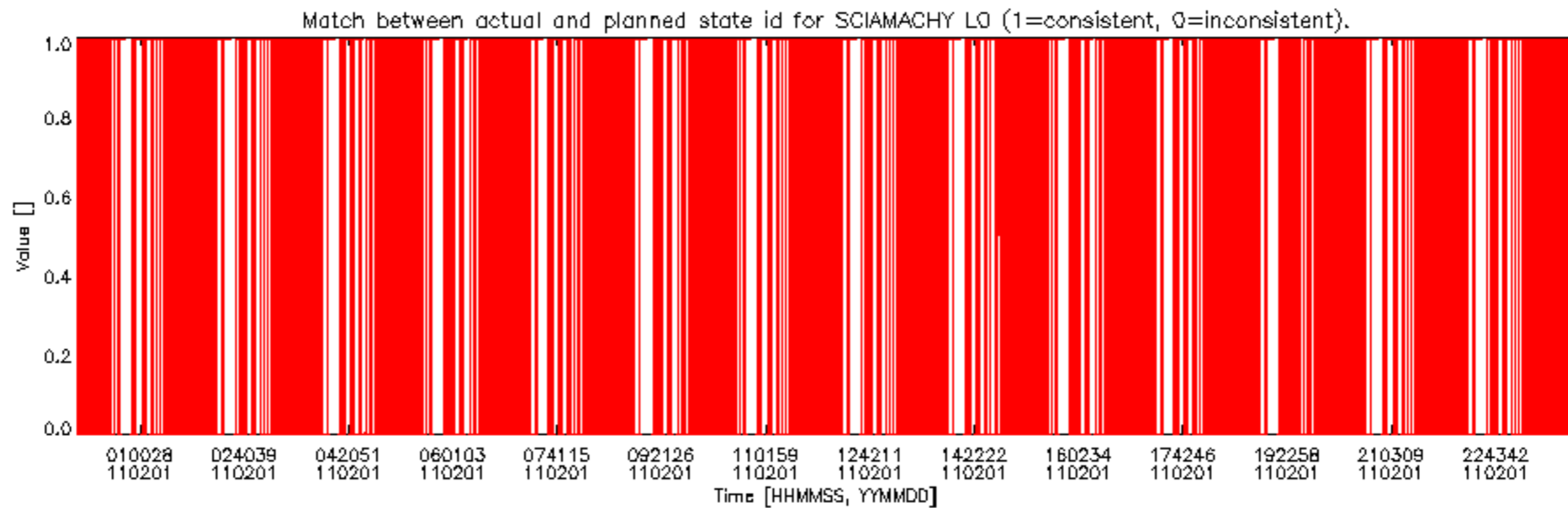
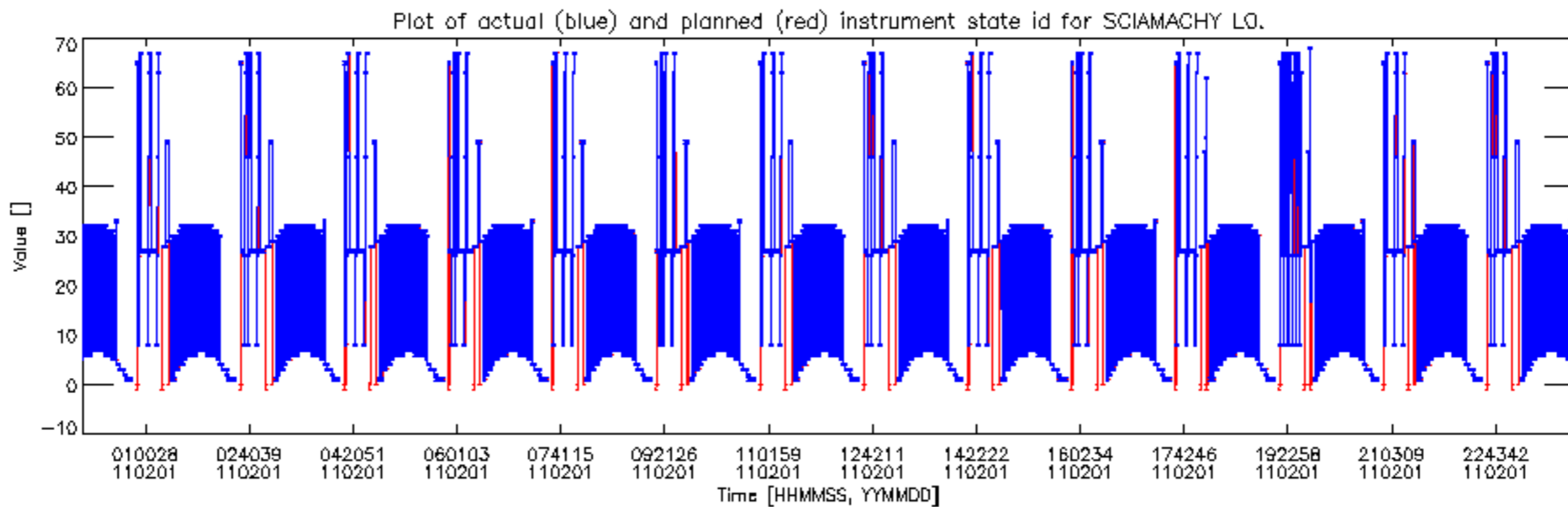












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 01FEB2011.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

