

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	03MAR2010 06:05:18
Data source version	KSPT_L0/4303-N
Processing scope for products	27FEB2010 00:00:00 to 28FEB2010 00:00:00
Start time of first product within scope	26FEB2010 22:42:33
Stop time of last product within scope	28FEB2010 01:24:34
Total number of level 0 products	17
Number of level 0 products with errors	0

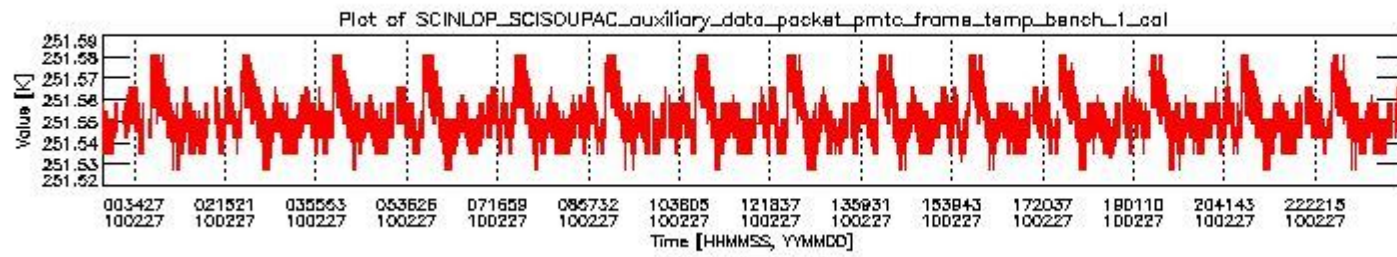
0.1.2 Summary per product

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

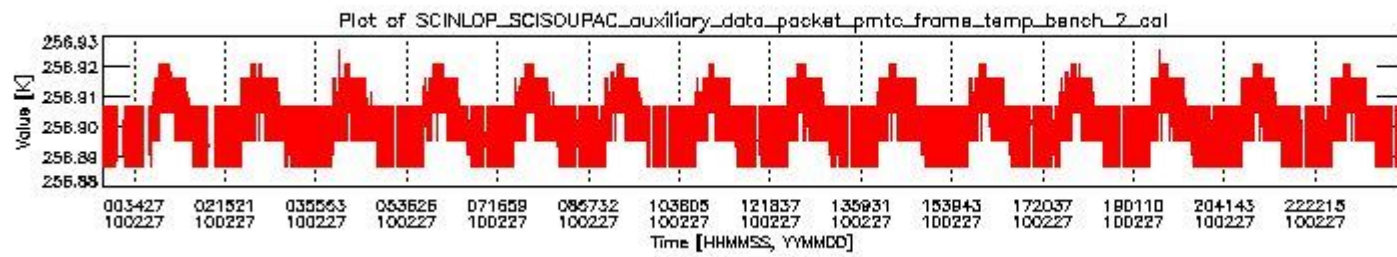
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100226_224233_000060792087_00158_41795_0986.N1	26FEB2010 22:42:33	27FEB2010 00:23:52	0	0	0	0	0
1	SCI_NL__OPNPDE20100227_002352_000054822087_00159_41796_0987.N1	27FEB2010 00:23:52	27FEB2010 01:55:14	0	0	0	0	0
2	SCI_NL__OPNPDE20100227_020344_000042822087_00160_41797_0988.N1	27FEB2010 02:03:44	27FEB2010 03:15:06	0	0	0	0	0
3	SCI_NL__OPNPDE20100227_031410_000061602087_00161_41798_0989.N1	27FEB2010 03:14:10	27FEB2010 04:56:50	0	0	0	0	0
4	SCI_NL__OPNPDE20100227_045541_000061042087_00162_41799_0990.N1	27FEB2010 04:55:41	27FEB2010 06:37:25	0	0	0	0	0
5	SCI_NL__OPNPDK20100227_063725_000041002087_00163_41800_4206.N1	27FEB2010 06:37:25	27FEB2010 07:45:46	0	0	0	0	0
6	SCI_NL__OPNPDK20100227_074341_000061602087_00164_41801_4207.N1	27FEB2010 07:43:41	27FEB2010 09:26:21	0	0	0	0	0
7	SCI_NL__OPNPDK20100227_092525_000059672087_00165_41802_4208.N1	27FEB2010 09:25:25	27FEB2010 11:04:52	0	0	0	0	0
8	SCI_NL__OPNPDK20100227_110248_000061042087_00166_41803_4209.N1	27FEB2010 11:02:48	27FEB2010 12:44:32	0	0	0	0	0
9	SCI_NL__OPNPDK20100227_124323_000060352087_00167_41804_4210.N1	27FEB2010 12:43:23	27FEB2010 14:23:59	0	0	0	0	0
10	SCI_NL__OPNPDK20100227_142359_000057432087_00168_41805_4211.N1	27FEB2010 14:23:59	27FEB2010 15:59:42	0	0	0	0	0
11	SCI_NL__OPNPDK20100227_155846_000060632087_00169_41806_4212.N1	27FEB2010 15:58:46	27FEB2010 17:39:49	0	0	0	0	0
12	SCI_NL__OPNPDK20100227_173909_000059102087_00170_41807_4213.N1	27FEB2010 17:39:09	27FEB2010 19:17:39	0	0	0	0	0
13	SCI_NL__OPNPDK20100227_191739_000060352087_00171_41808_4214.N1	27FEB2010 19:17:39	27FEB2010 20:58:15	0	0	0	0	0
14	SCI_NL__OPNPDE20100227_205815_000040532087_00172_41809_0991.N1	27FEB2010 20:58:15	27FEB2010 22:05:48	0	0	0	0	0
15	SCI_NL__OPNPDE20100227_221048_000057232087_00172_41809_0992.N1	27FEB2010 22:10:48	27FEB2010 23:46:11	0	0	0	0	0
16	SCI_NL__OPNPDE20100227_235124_000055912087_00173_41810_0993.N1	27FEB2010 23:51:24	28FEB2010 01:24:34	0	0	0	0	0

0.2 Product Quality Indicators

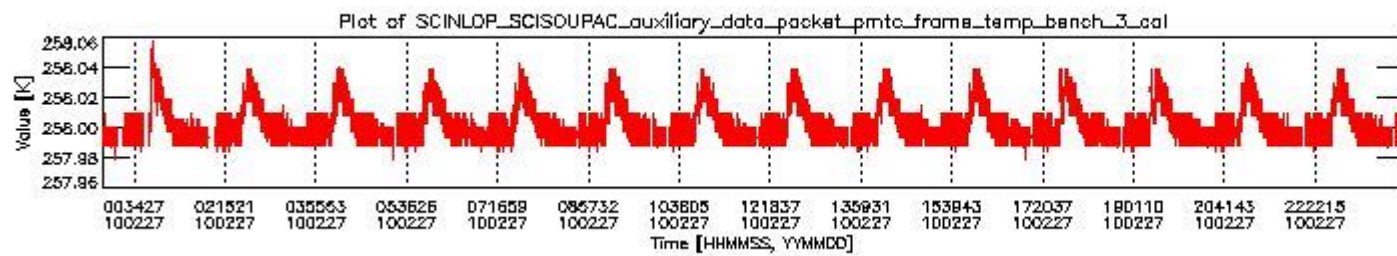
This section shows information about product quality, currently temperatures.



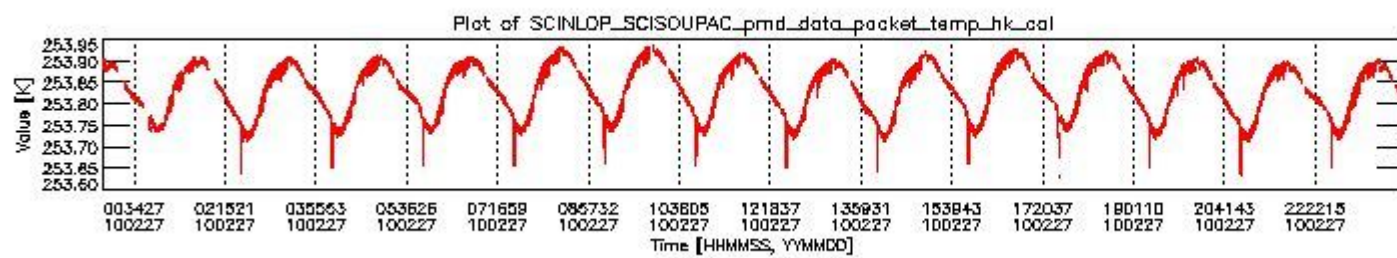
sciamachy_daily_report_level0_KSPT_L0_4303_N_20100227_0.PNG



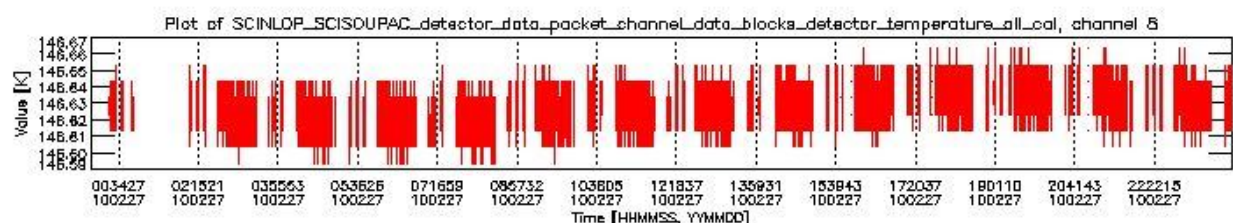
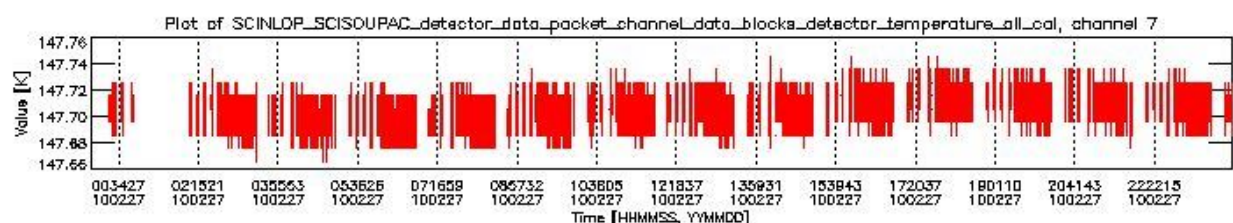
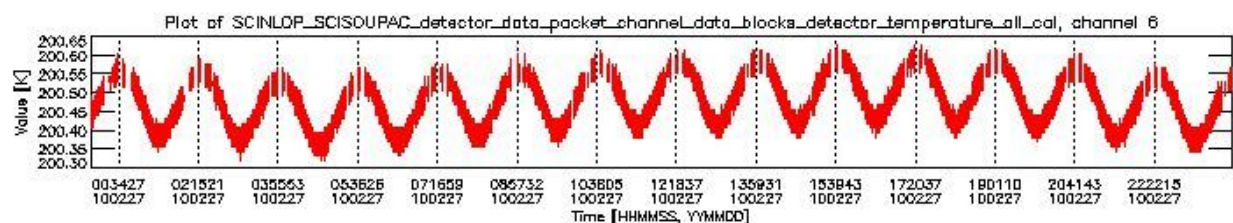
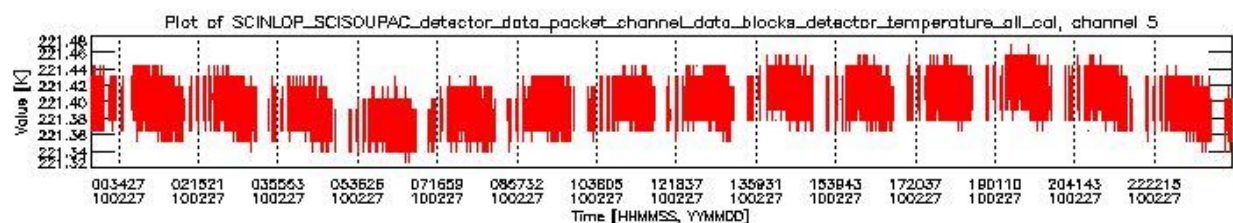
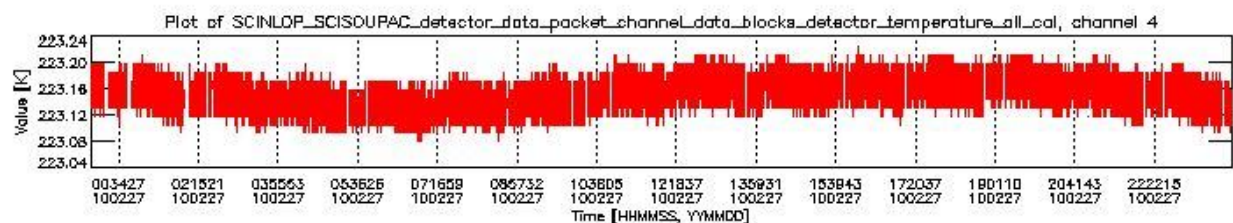
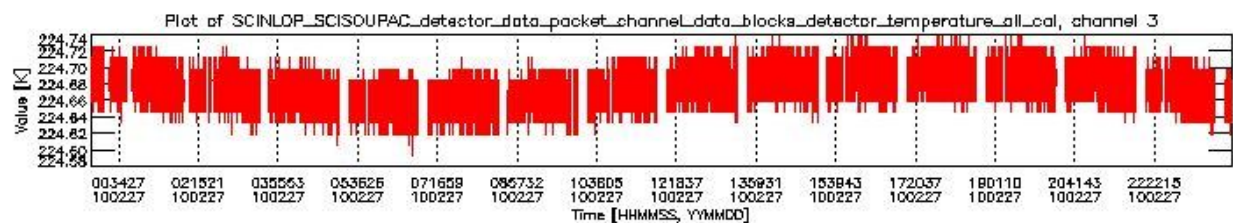
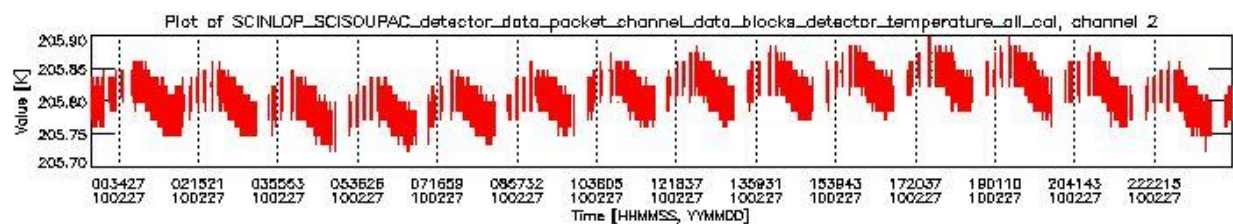
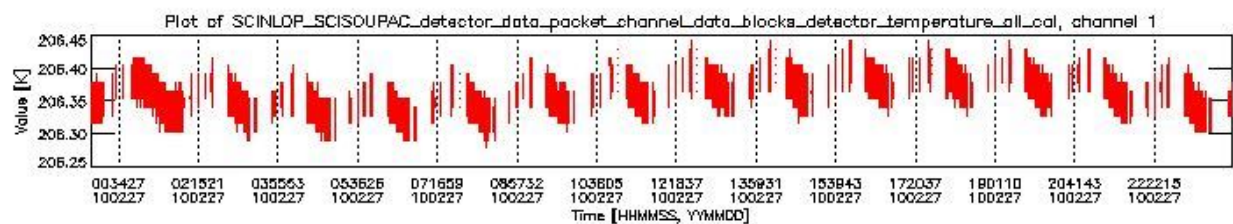
sciamachy_daily_report_level0_KSPT_L0_4303_N_20100227_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20100227_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20100227_3.PNG

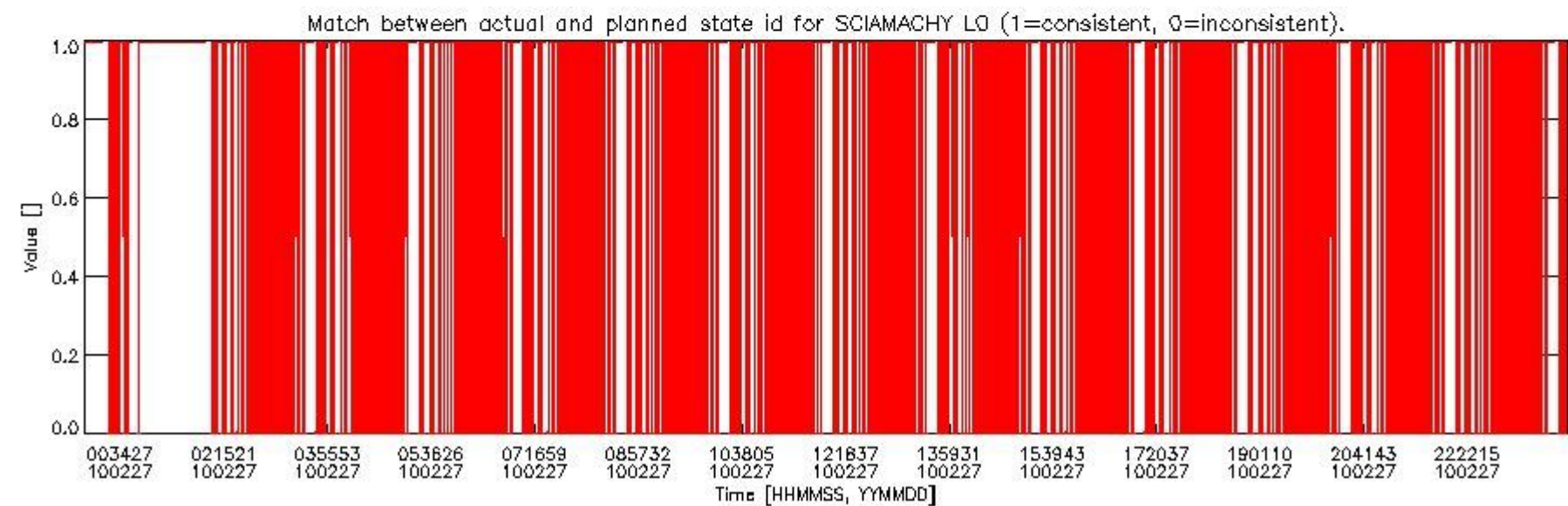
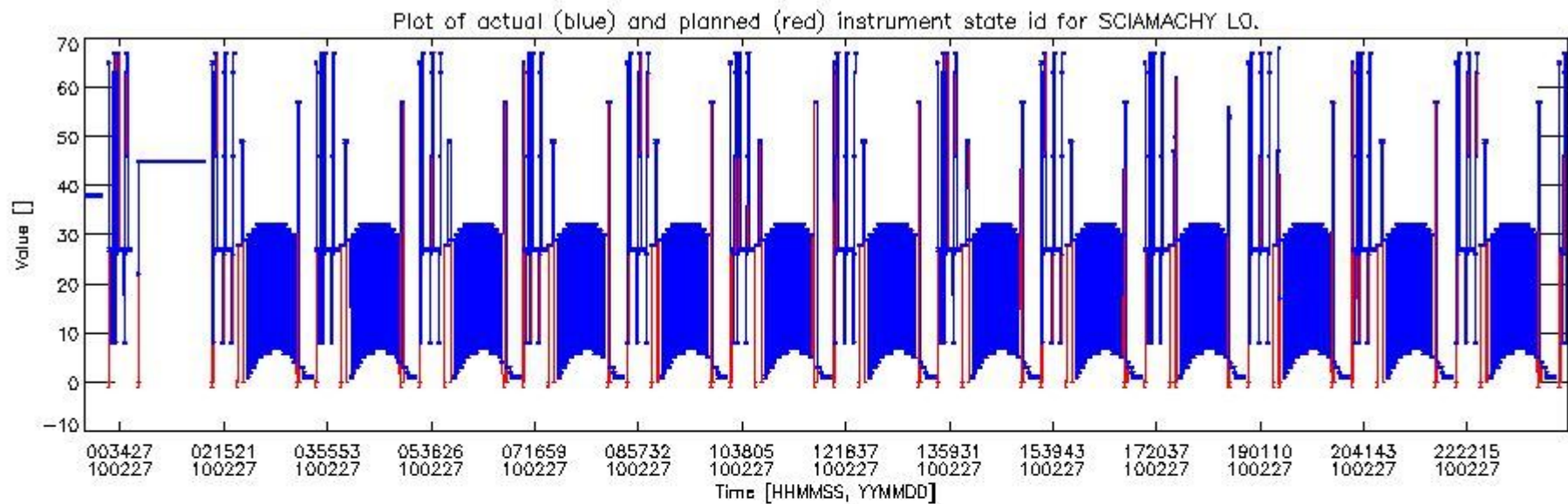


0.3 State monitoring

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: **71799**

#	Actual time	Actual value	Planned time	Planned value
0	27FEB2010 00:23:08.790349	65	27FEB2010 00:23:08.790349	0
1	27FEB2010 00:23:09.415349	65	27FEB2010 00:23:09.415349	0
2	27FEB2010 00:23:09.915349	65	27FEB2010 00:23:09.915349	0
3	27FEB2010 00:23:10.415349	65	27FEB2010 00:23:10.415349	0
4	27FEB2010 00:23:10.915349	65	27FEB2010 00:23:10.915349	0
5	27FEB2010 00:23:11.415349	65	27FEB2010 00:23:11.415349	0
6	27FEB2010 00:23:11.915349	65	27FEB2010 00:23:11.915349	0
7	27FEB2010 00:23:12.415349	65	27FEB2010 00:23:12.415349	0
8	27FEB2010 00:23:12.915349	65	27FEB2010 00:23:12.915349	0
9	27FEB2010 00:23:13.415349	65	27FEB2010 00:23:13.415349	0
10	27FEB2010 00:23:13.790349	65	27FEB2010 00:23:13.790349	0
11	27FEB2010 00:23:13.915349	65	27FEB2010 00:23:13.915349	0
12	27FEB2010 00:23:14.415349	65	27FEB2010 00:23:14.415349	0
13	27FEB2010 00:23:14.915349	65	27FEB2010 00:23:14.915349	0
14	27FEB2010 00:23:15.415349	65	27FEB2010 00:23:15.415349	0
15	27FEB2010 00:23:15.915349	65	27FEB2010 00:23:15.915349	0
16	27FEB2010 00:23:16.415349	65	27FEB2010 00:23:16.415349	0
17	27FEB2010 00:23:16.915349	65	27FEB2010 00:23:16.915349	0
18	27FEB2010 00:23:17.415349	65	27FEB2010 00:23:17.415349	0
19	27FEB2010 00:23:17.915349	65	27FEB2010 00:23:17.915349	0

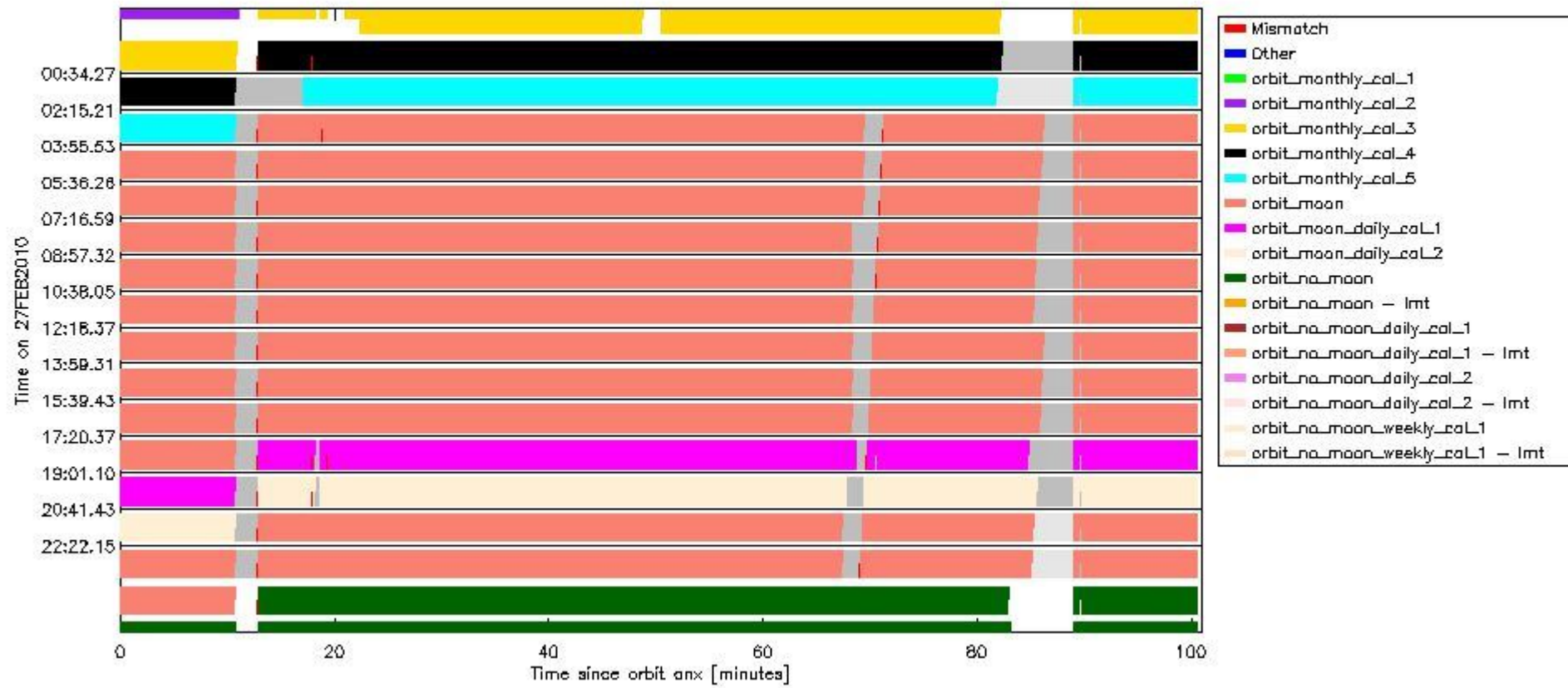


sciamachy_daily_report_level0_KSPT_L0_4303_N_20100227_5.PNG

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 27FEB2010.
 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_20100227_6.PNG

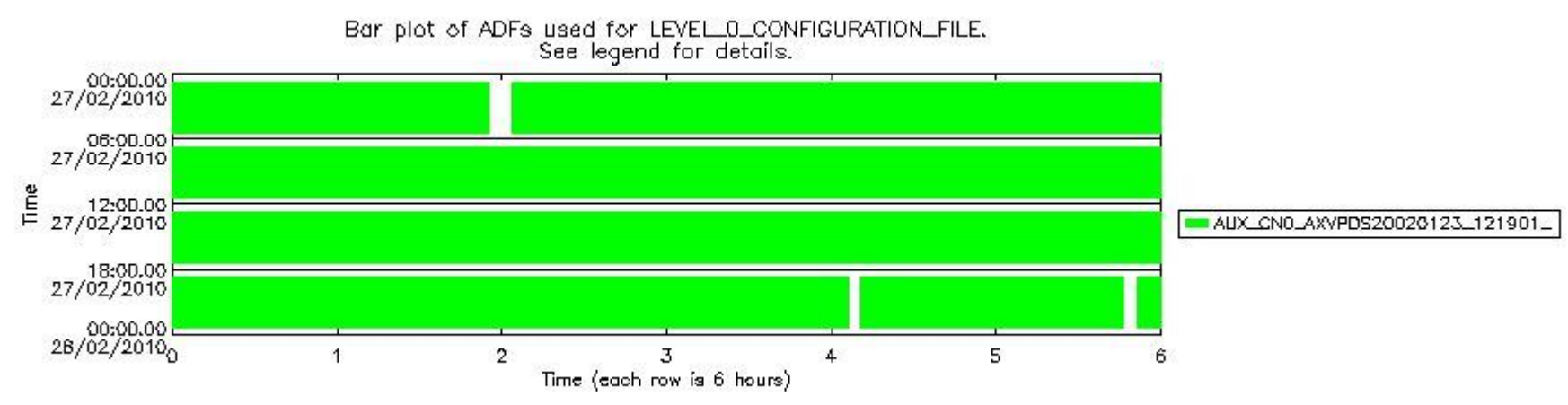
0.4 ADF monitoring

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

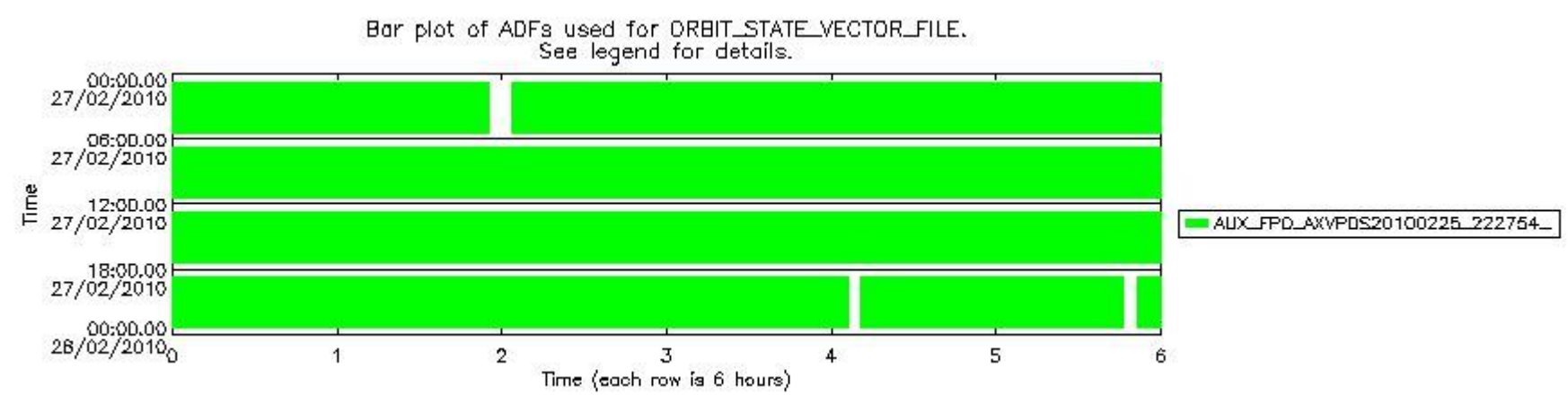
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

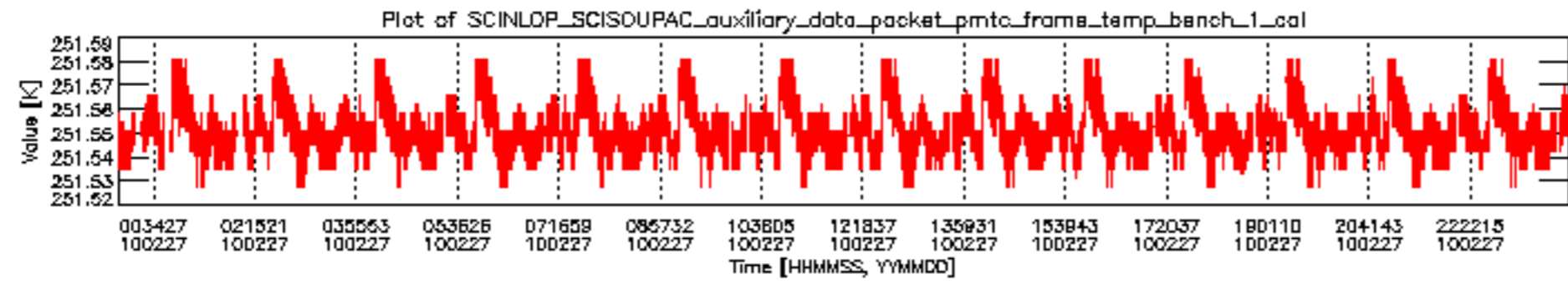
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100225_222754_20100225_182347_20100307_213037

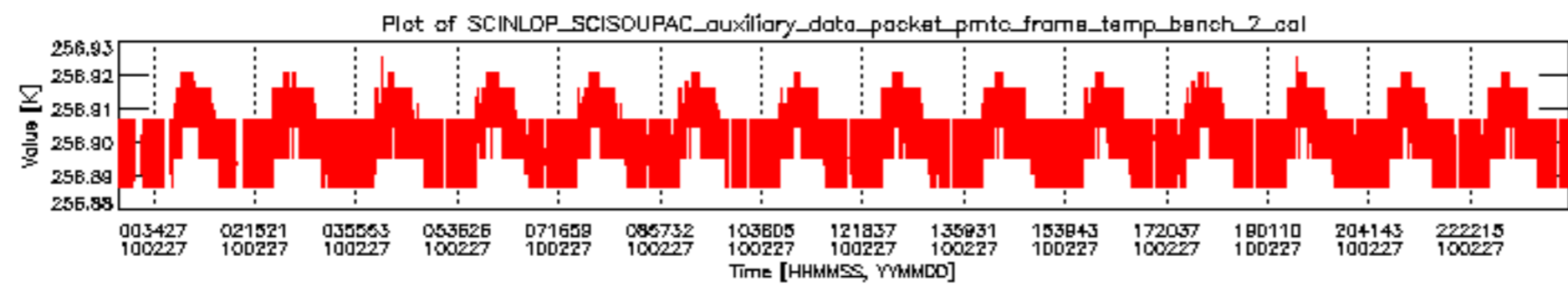


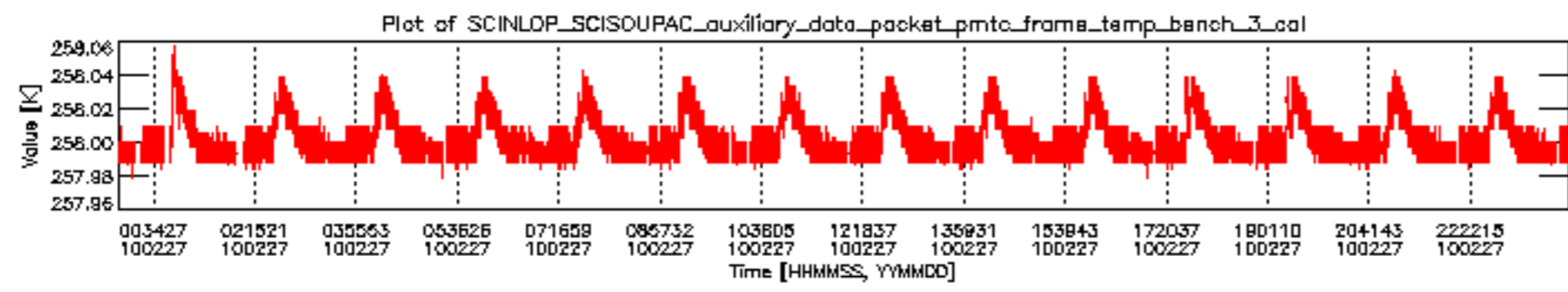
sciamachy_daily_report_level0_KSPT_L0_4303_N_20100227_7.PNG

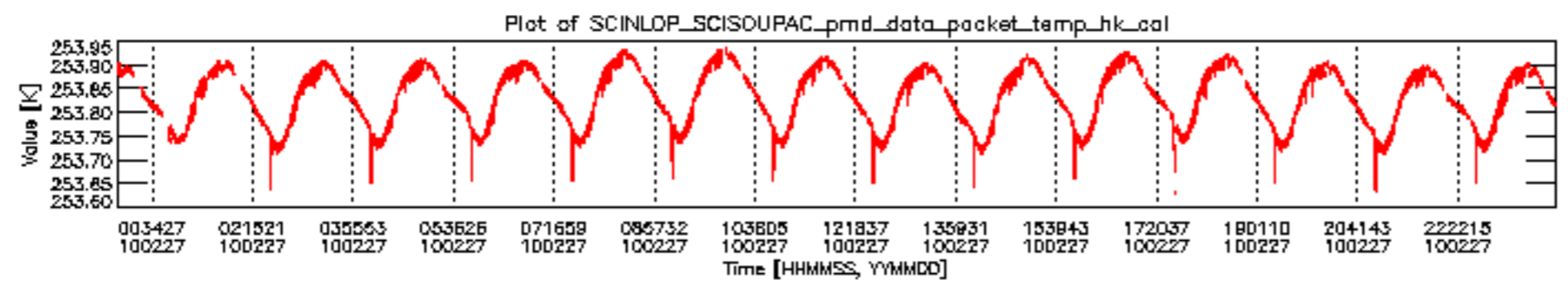


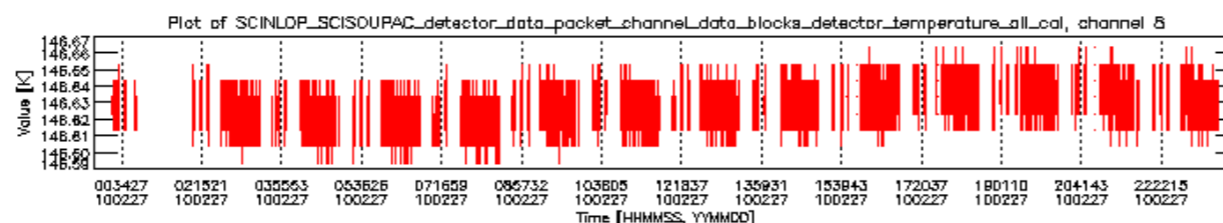
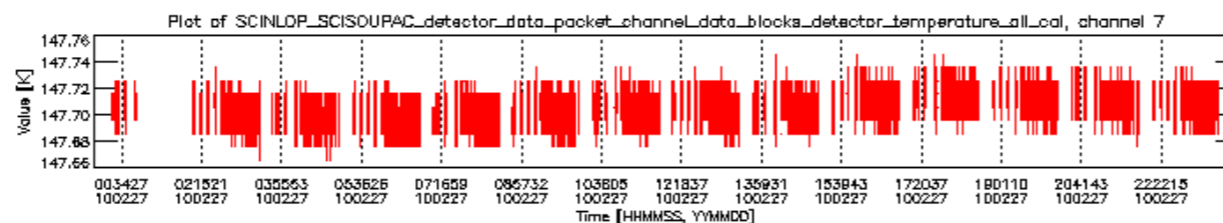
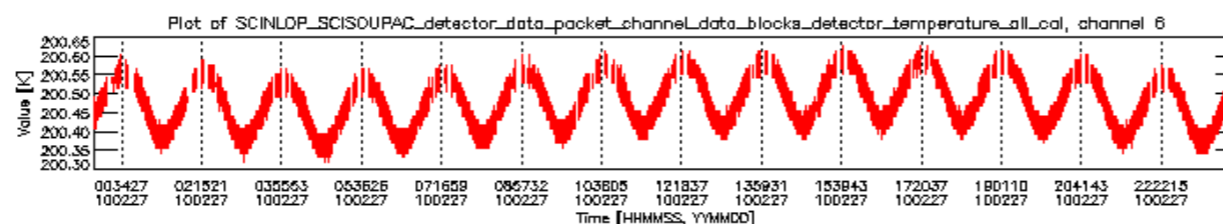
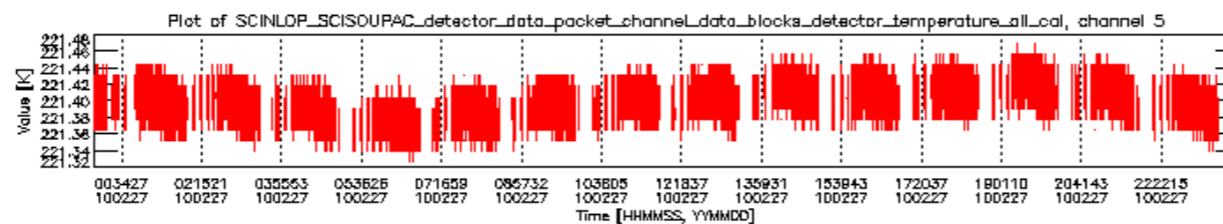
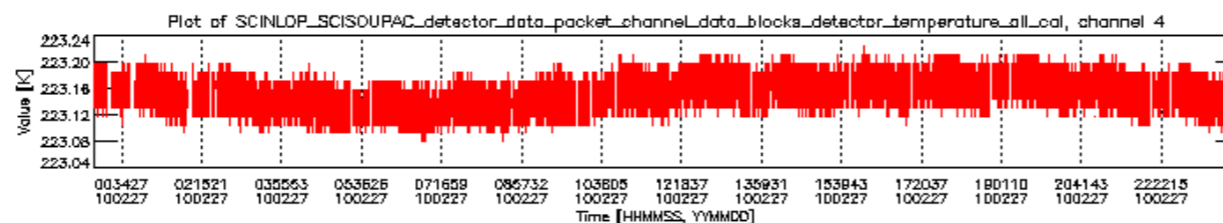
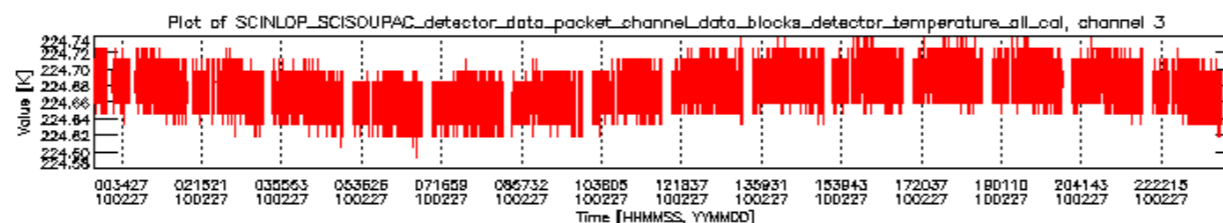
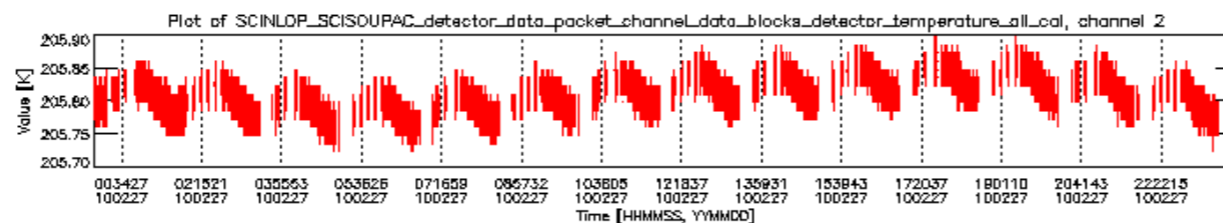
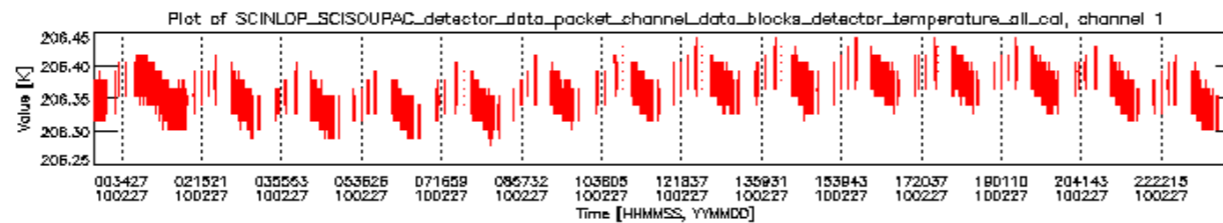
sciamachy_daily_report_level0_KSPT_L0_4303_N_20100227_8.PNG

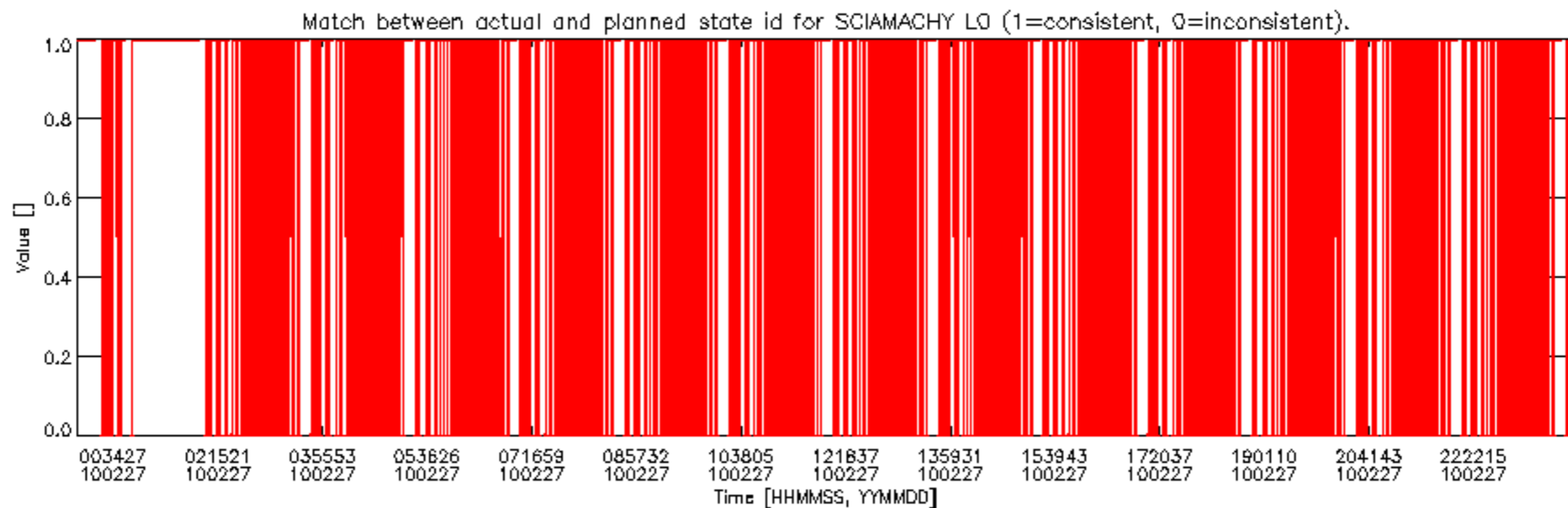
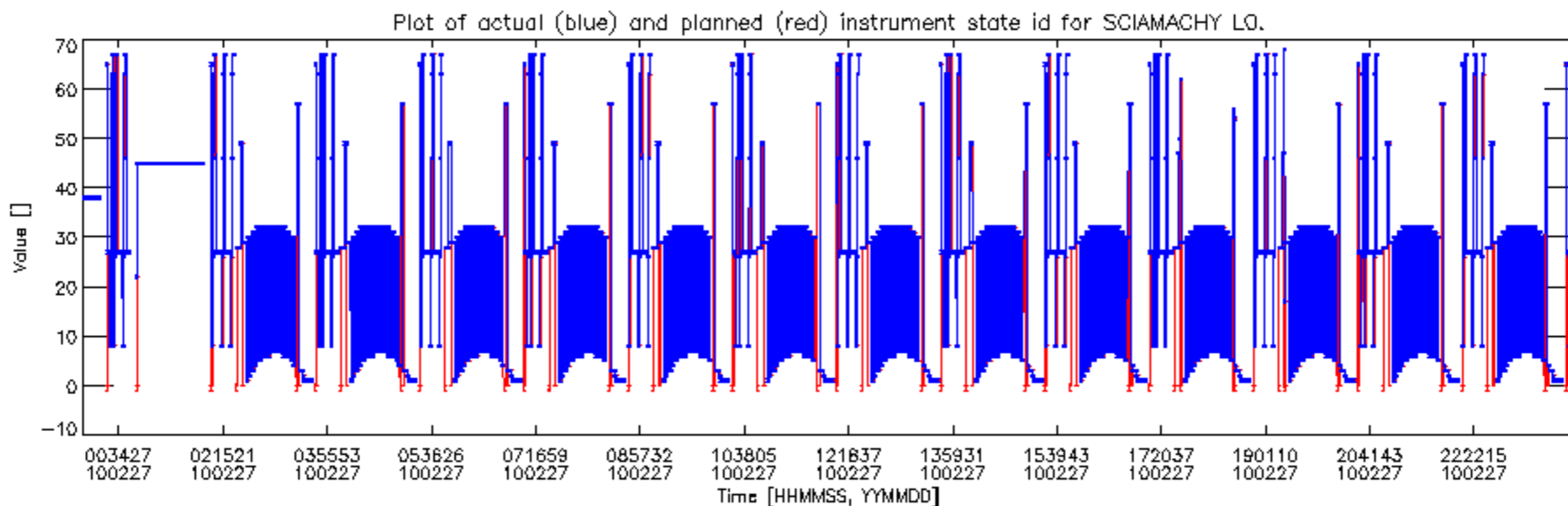












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 27FEB2010.
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