

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	24MAR2010 01:24:20
Data source version	KSPT_L0/4303-N
Processing scope for products	20MAR2010 00:00:00 to 21MAR2010 00:00:00
Start time of first product within scope	19MAR2010 23:20:36
Stop time of last product within scope	21MAR2010 00:31:30
Total number of Level 0 products	15
Number of Level 0 products with errors	0

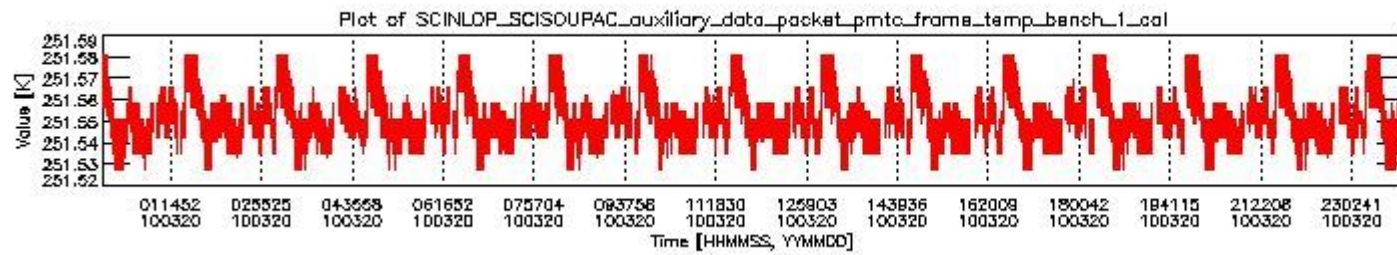
0.1.2 Summary per product

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

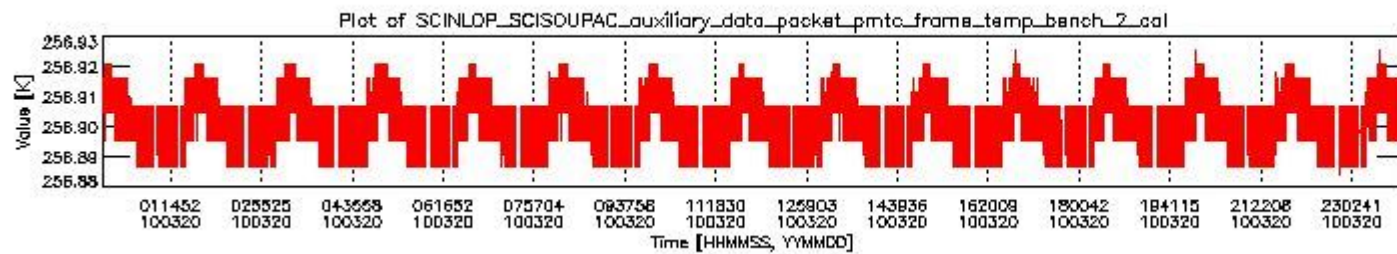
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100319_232036_000062432087_00459_42096_1110.N1	19MAR2010 23:20:36	20MAR2010 01:04:39	0	0	0	0	0
1	SCI_NL__OPNPDE20100320_010315_000096302087_00460_42097_1111.N1	20MAR2010 01:03:15	20MAR2010 03:43:45	0	0	0	0	0
2	SCI_NL__OPNPDE20100320_034237_000069192087_00462_42099_1112.N1	20MAR2010 03:42:37	20MAR2010 05:37:56	0	0	0	0	0
3	SCI_NL__OPNPDE20100320_053756_000059672087_00463_42100_1113.N1	20MAR2010 05:37:56	20MAR2010 07:17:23	0	0	0	0	0
4	SCI_NL__OPNPDK20100320_071614_000041132087_00464_42101_4384.N1	20MAR2010 07:16:14	20MAR2010 08:24:48	0	0	0	0	0
5	SCI_NL__OPNPDK20100320_082352_000062162087_00465_42102_4385.N1	20MAR2010 08:23:52	20MAR2010 10:07:28	0	0	0	0	0
6	SCI_NL__OPNPDK20100320_100619_000059242087_00466_42103_4386.N1	20MAR2010 10:06:19	20MAR2010 11:45:03	0	0	0	0	0
7	SCI_NL__OPNPDK20100320_114354_000059672087_00467_42104_4387.N1	20MAR2010 11:43:54	20MAR2010 13:23:21	0	0	0	0	0
8	SCI_NL__OPNPDK20100320_132225_000059112087_00468_42105_4388.N1	20MAR2010 13:22:25	20MAR2010 15:00:56	0	0	0	0	0
9	SCI_NL__OPNPDK20100320_150000_000059112087_00469_42106_4389.N1	20MAR2010 15:00:00	20MAR2010 16:38:31	0	0	0	0	0
10	SCI_NL__OPNPDK20100320_163640_000061152087_00470_42107_4390.N1	20MAR2010 16:36:40	20MAR2010 18:18:35	0	0	0	0	0
11	SCI_NL__OPNPDK20100320_181659_000059142087_00471_42108_4391.N1	20MAR2010 18:16:59	20MAR2010 19:55:33	0	0	0	0	0
12	SCI_NL__OPNPDE20100320_195533_000039332087_00472_42109_1114.N1	20MAR2010 19:55:33	20MAR2010 21:01:06	0	0	0	0	0
13	SCI_NL__OPNPDE20100320_210732_000062552087_00472_42109_1115.N1	20MAR2010 21:07:32	20MAR2010 22:51:46	0	0	0	0	0
14	SCI_NL__OPNPDE20100320_225019_000060712087_00473_42110_1116.N1	20MAR2010 22:50:19	21MAR2010 00:31:30	0	0	0	0	0

0.2 Product Quality Indicators

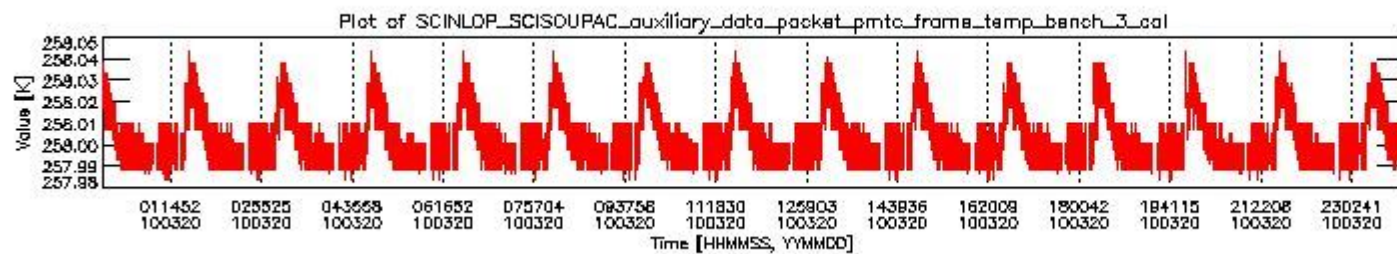
This section shows information about product quality, currently temperatures.



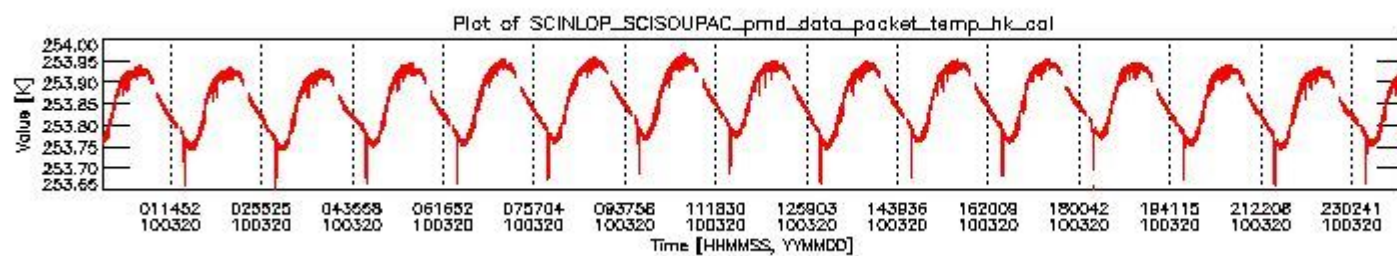
sciamachy_daily_report_level0_KSPT_L0_4303_N_20100320_0.PNG



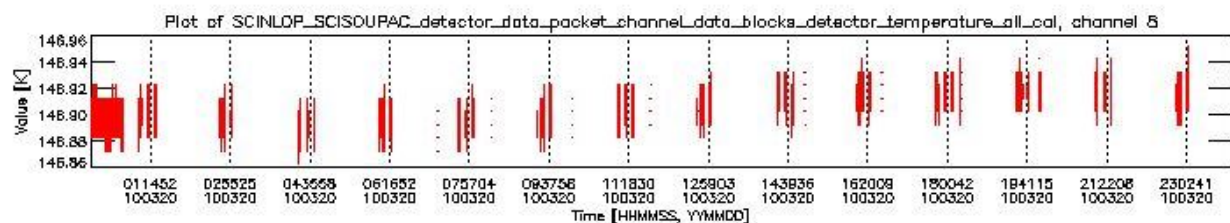
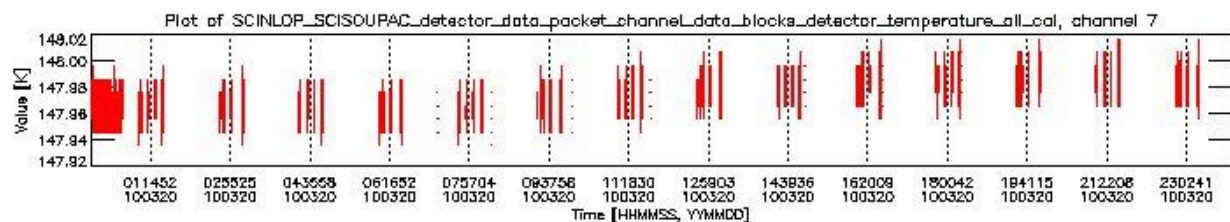
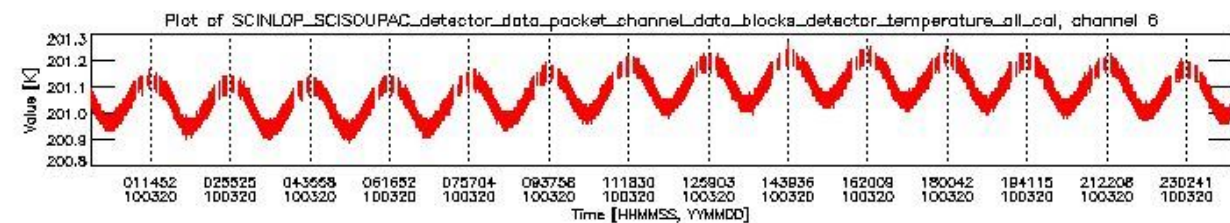
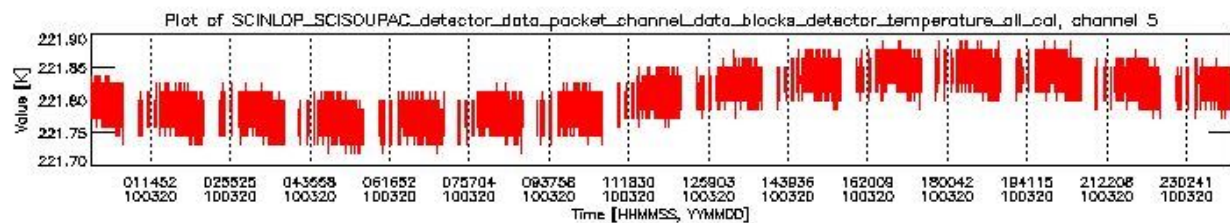
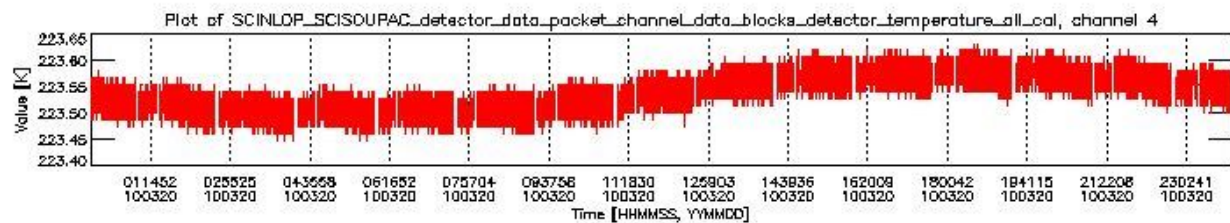
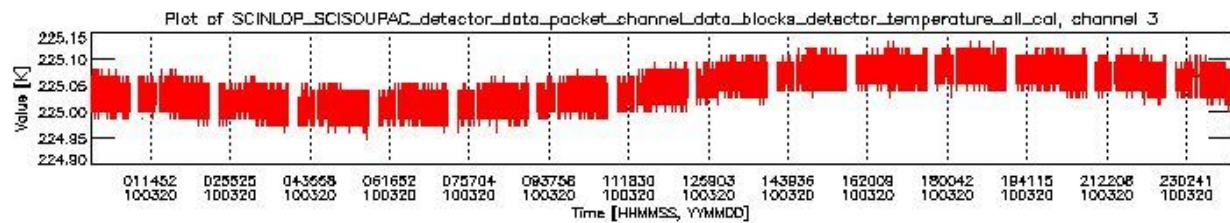
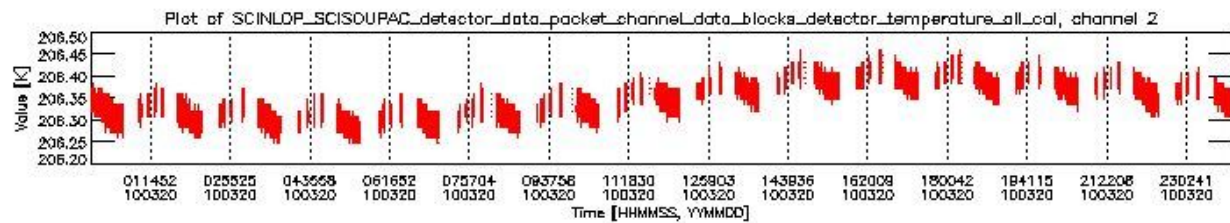
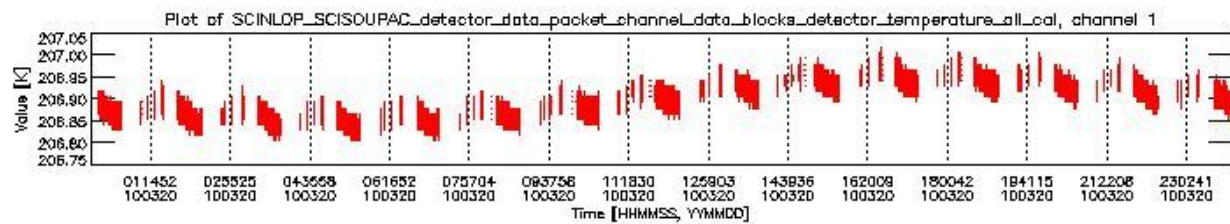
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20100320_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20100320_3.PNG

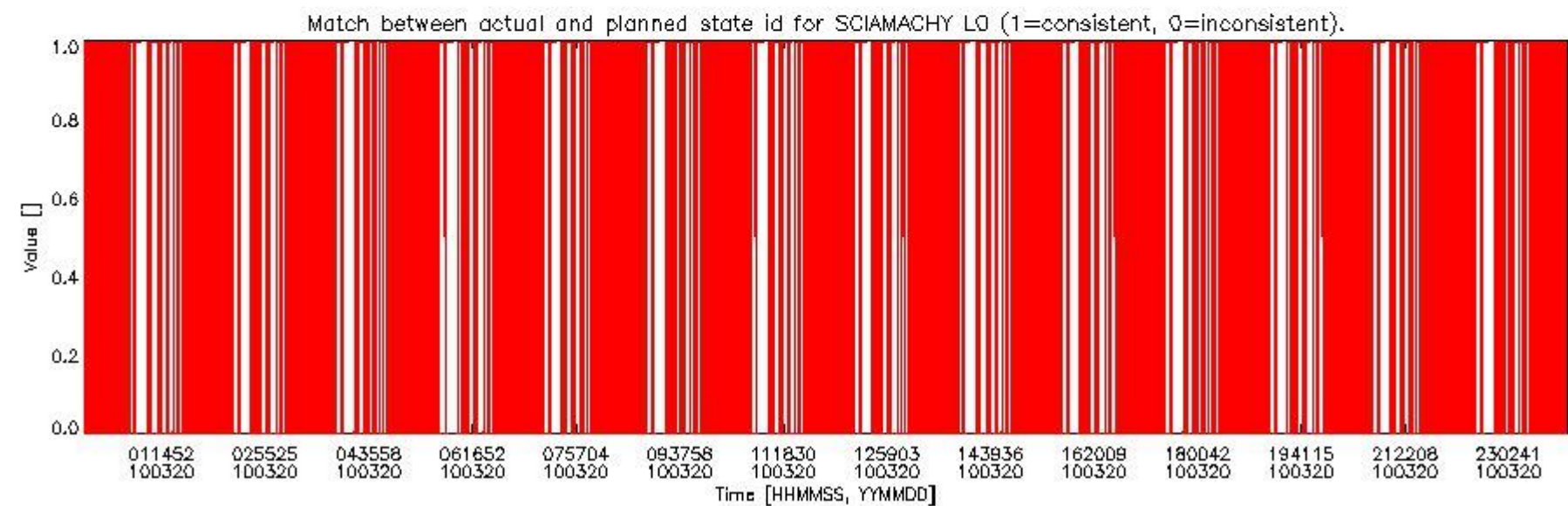
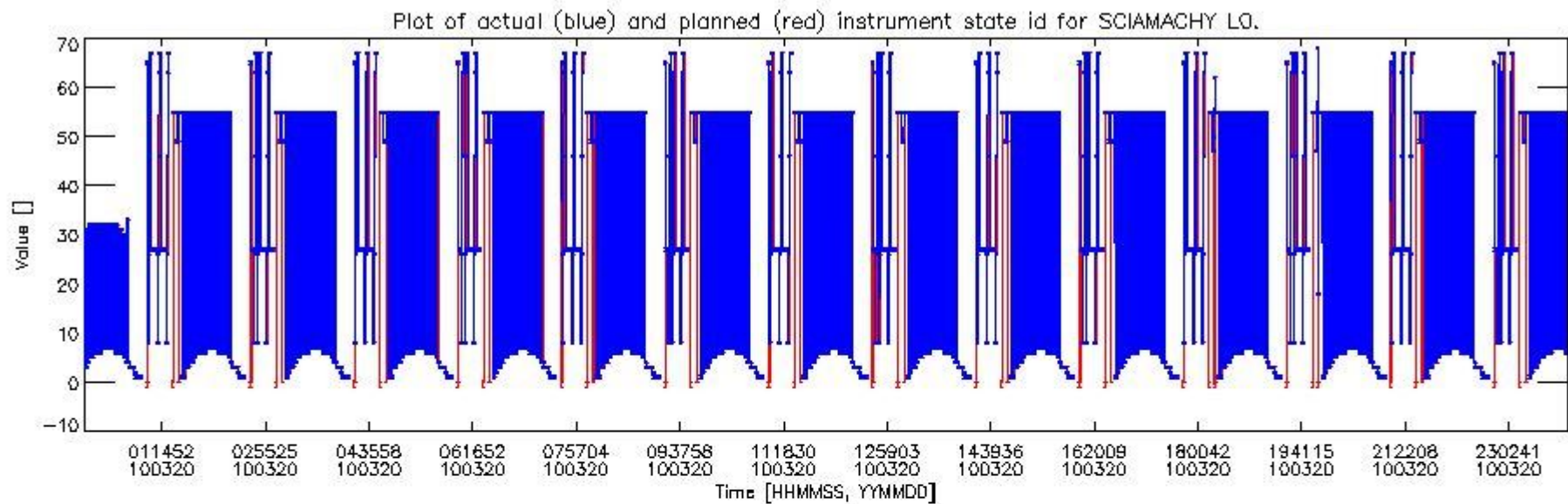


0.3 State monitoring

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: **73995**

#	Actual time	Actual value	Planned time	Planned value
0	20MAR2010 00:00:00.371202	31	20MAR2010 00:00:00.371202	3
1	20MAR2010 00:00:00.746202	31	20MAR2010 00:00:00.746202	3
2	20MAR2010 00:00:01.121202	31	20MAR2010 00:00:01.121202	3
3	20MAR2010 00:00:01.246202	31	20MAR2010 00:00:01.246202	3
4	20MAR2010 00:00:01.683702	31	20MAR2010 00:00:01.683702	3
5	20MAR2010 00:00:02.058702	31	20MAR2010 00:00:02.058702	3
6	20MAR2010 00:00:42.117303	3	20MAR2010 00:00:42.117303	31
7	20MAR2010 00:00:42.367303	3	20MAR2010 00:00:42.367303	31
8	20MAR2010 00:00:42.492303	3	20MAR2010 00:00:42.492303	31
9	20MAR2010 00:00:42.617303	3	20MAR2010 00:00:42.617303	31
10	20MAR2010 00:00:42.742303	3	20MAR2010 00:00:42.742303	31
11	20MAR2010 00:00:42.867303	3	20MAR2010 00:00:42.867303	31
12	20MAR2010 00:00:42.992303	3	20MAR2010 00:00:42.992303	31
13	20MAR2010 00:00:43.117303	3	20MAR2010 00:00:43.117303	31
14	20MAR2010 00:00:43.242303	3	20MAR2010 00:00:43.242303	31
15	20MAR2010 00:00:43.367303	3	20MAR2010 00:00:43.367303	31
16	20MAR2010 00:00:43.492303	3	20MAR2010 00:00:43.492303	31
17	20MAR2010 00:00:43.617303	3	20MAR2010 00:00:43.617303	31
18	20MAR2010 00:00:43.742303	3	20MAR2010 00:00:43.742303	31
19	20MAR2010 00:00:43.867303	3	20MAR2010 00:00:43.867303	31

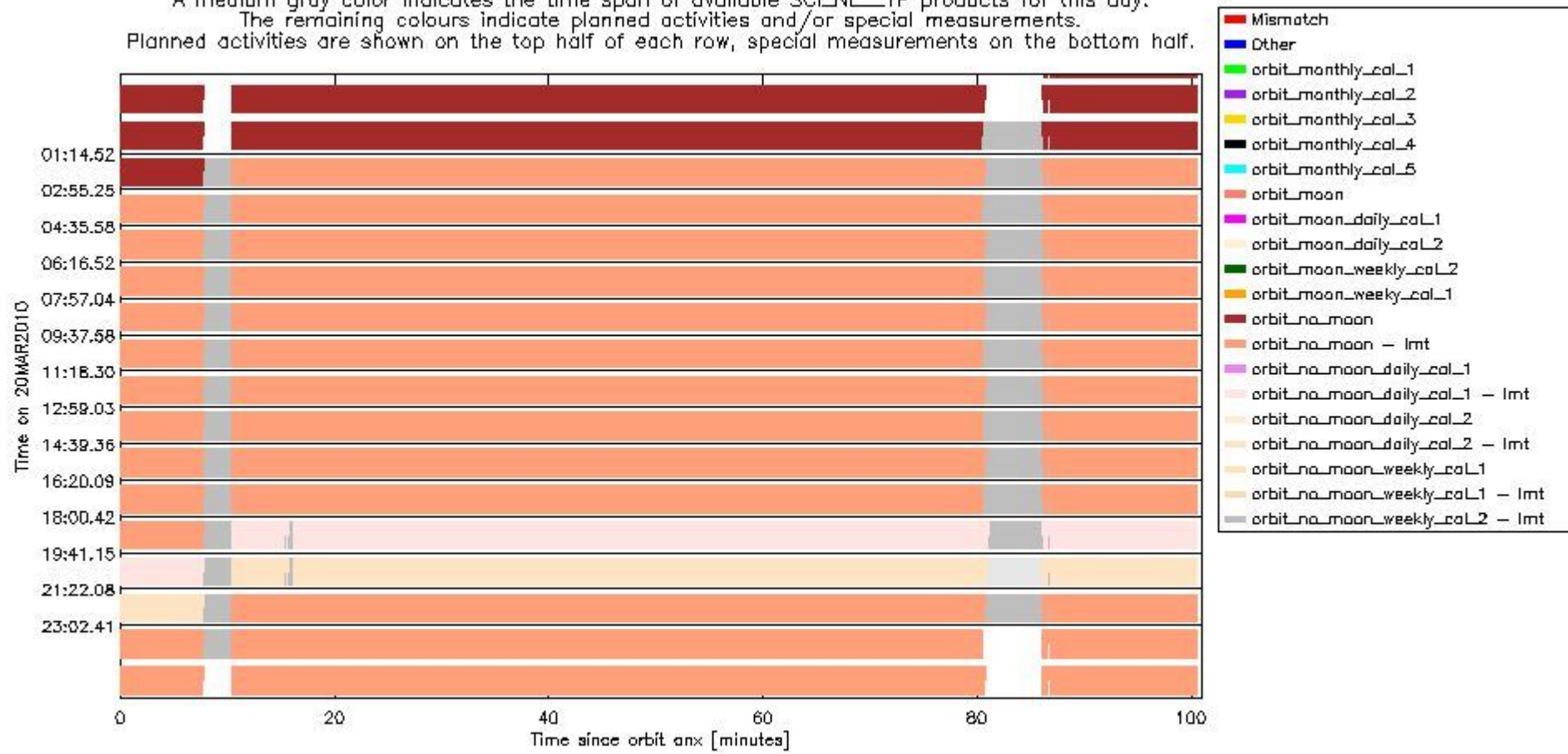


sciamachy_daily_report_level0_KSPT_L0_4303_N_20100320_5.PNG

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 20MAR2010.
 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_20100320_6.PNG

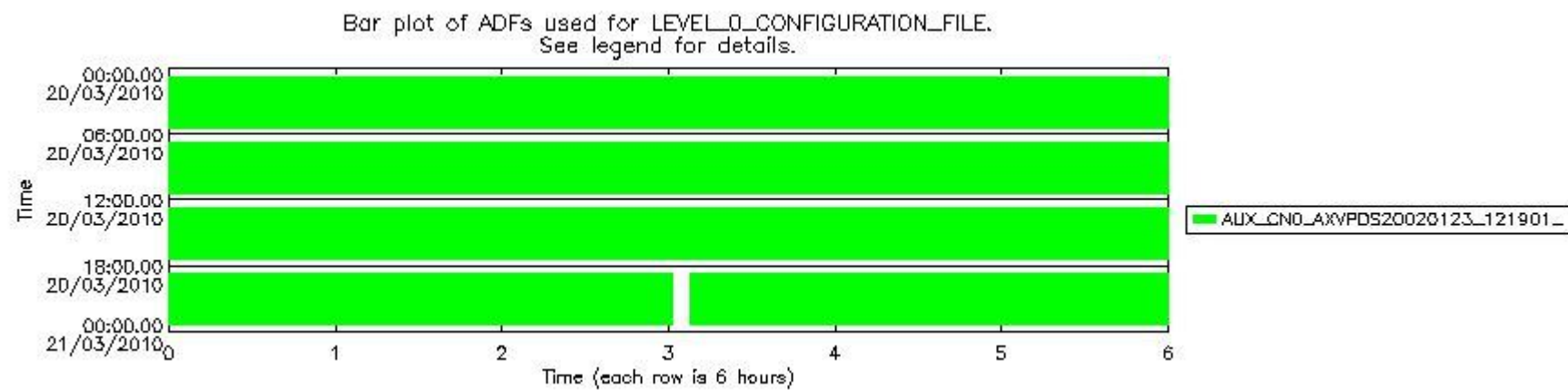
0.4 ADF monitoring

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

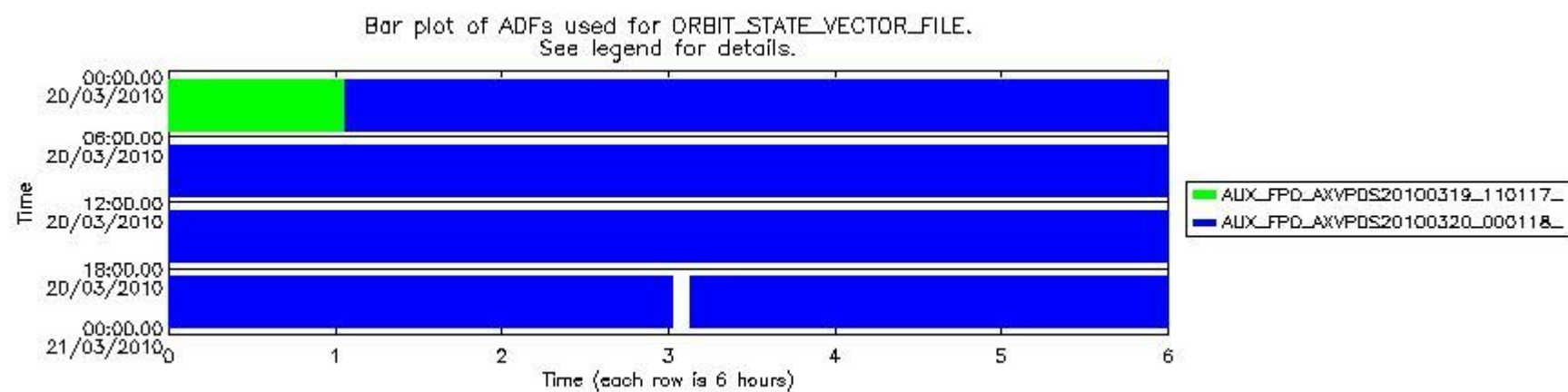
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

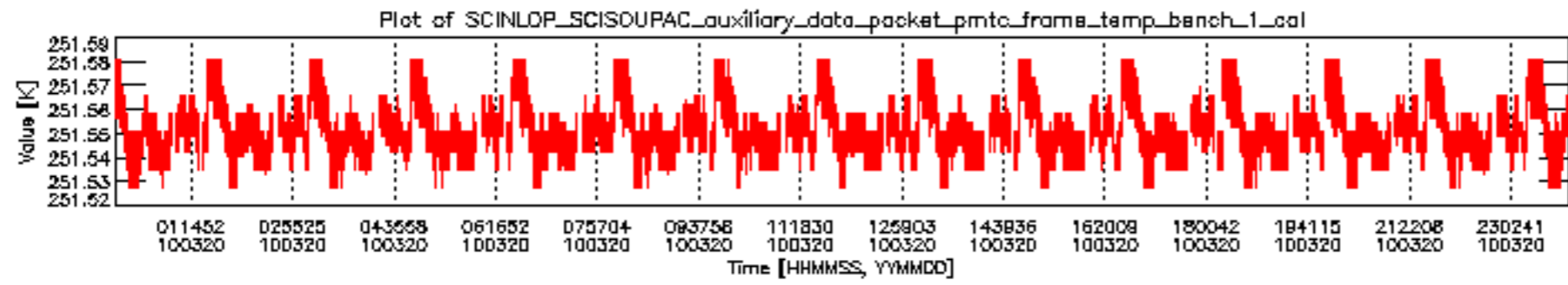
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100319_110117_20100318_190402_20100328_203016
2	AUX_FPO_AXVPDS20100320_000118_20100319_183225_20100329_213915

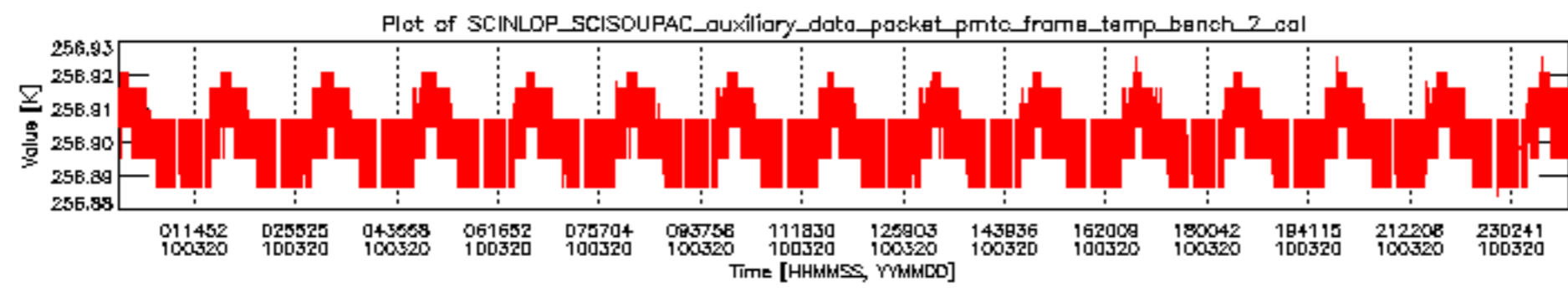


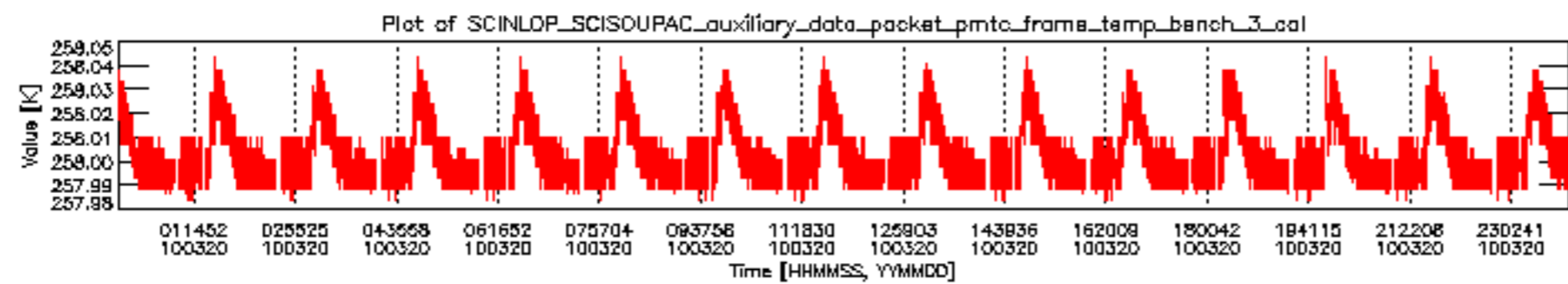
sciamachy_daily_report_level0_KSPT_L0_4303_N_20100320_7.PNG

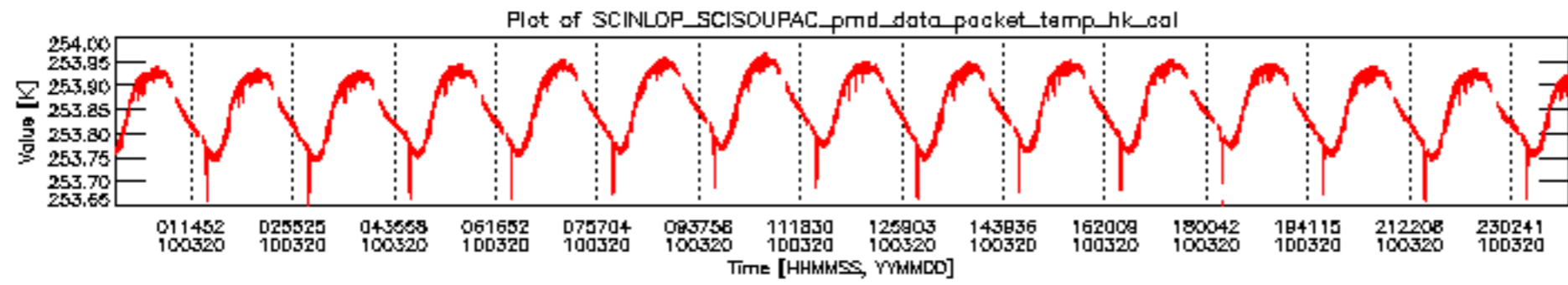


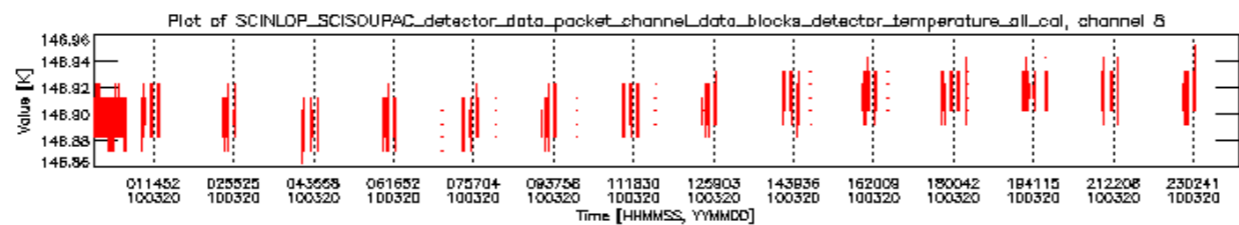
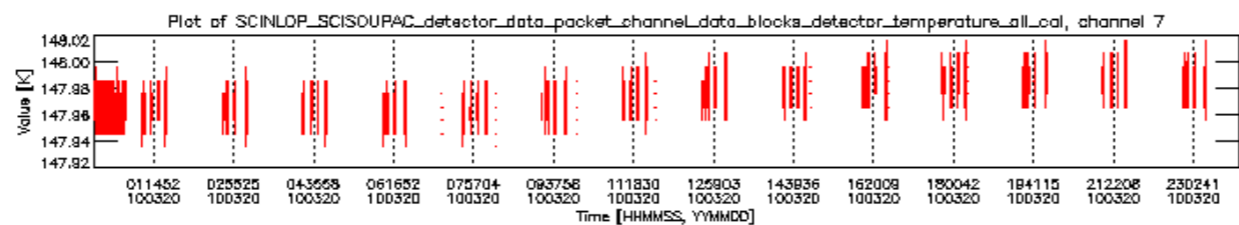
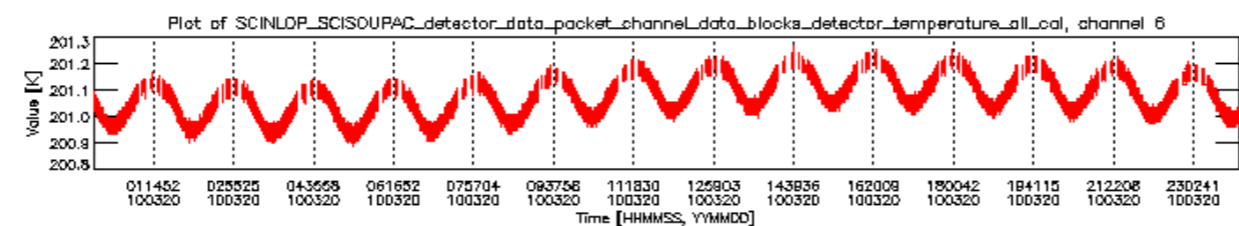
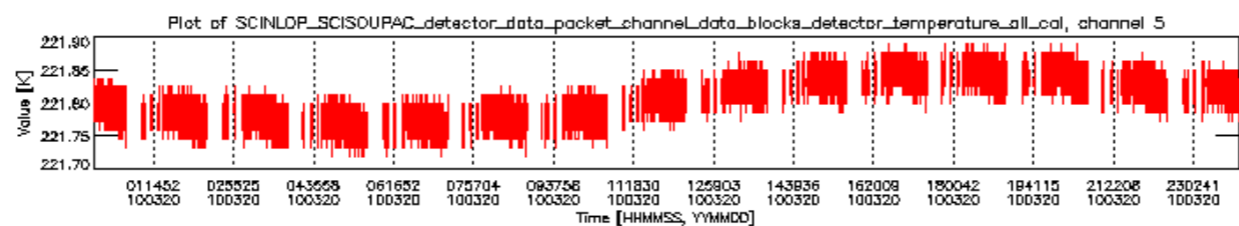
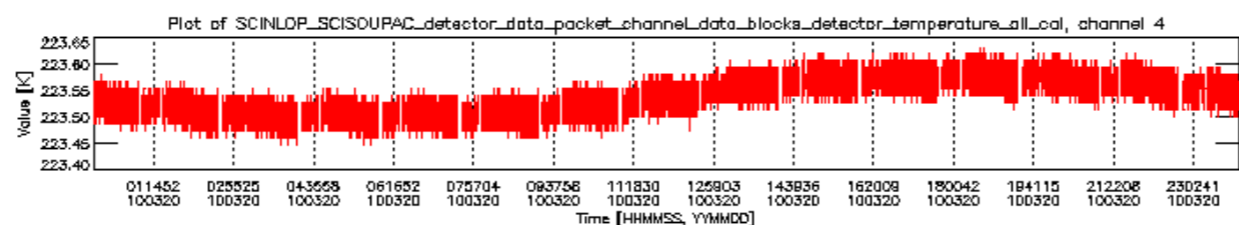
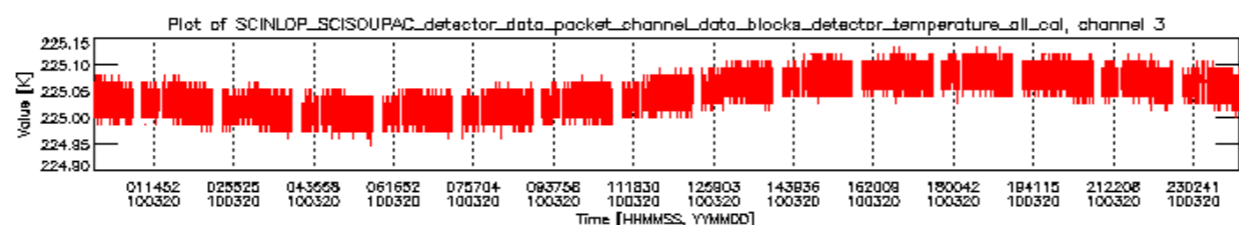
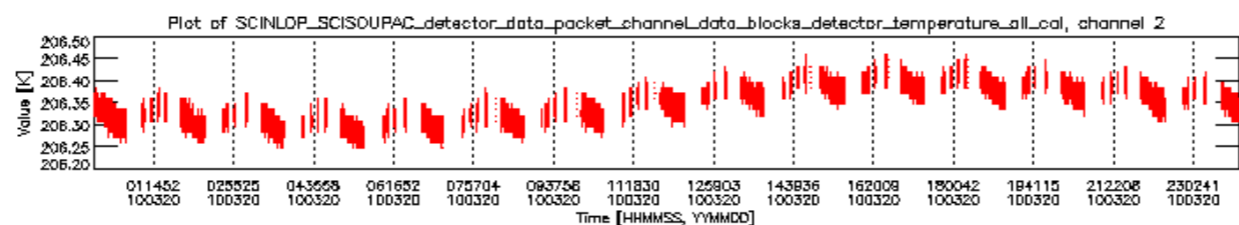
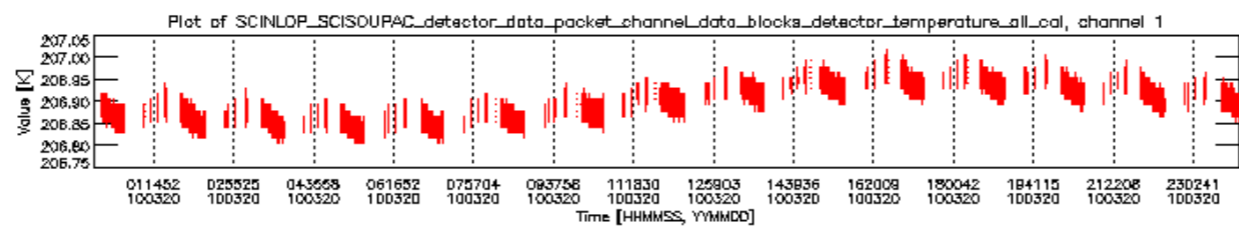
sciamachy_daily_report_level0_KSPT_L0_4303_N_20100320_8.PNG

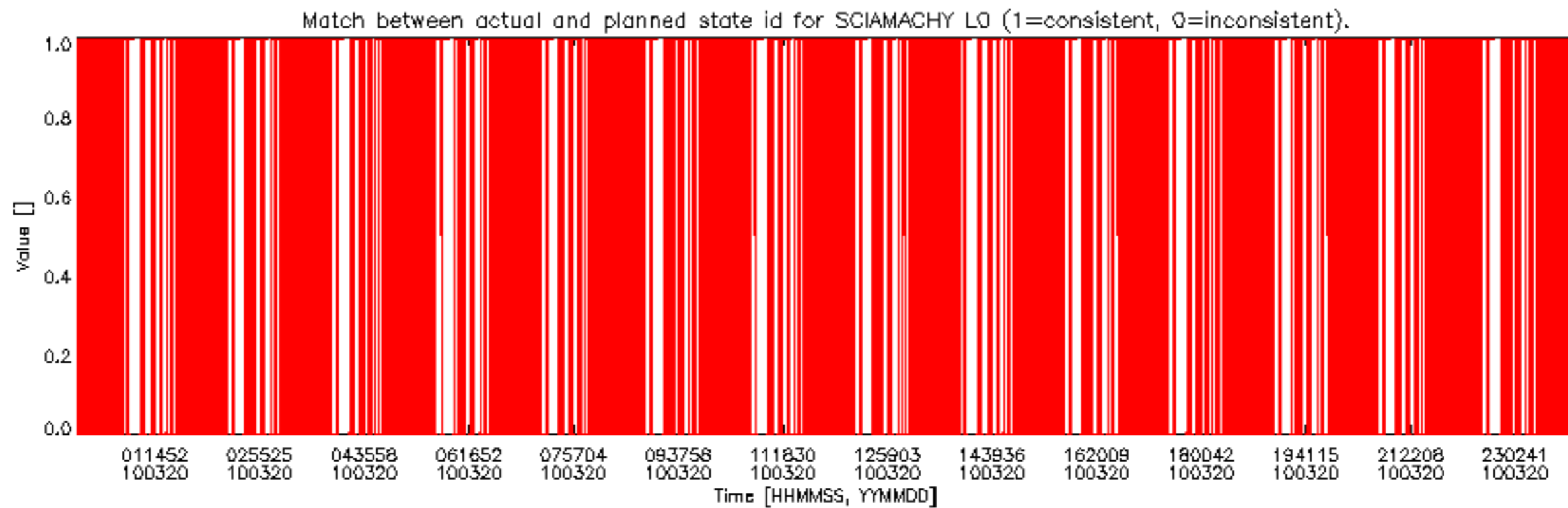
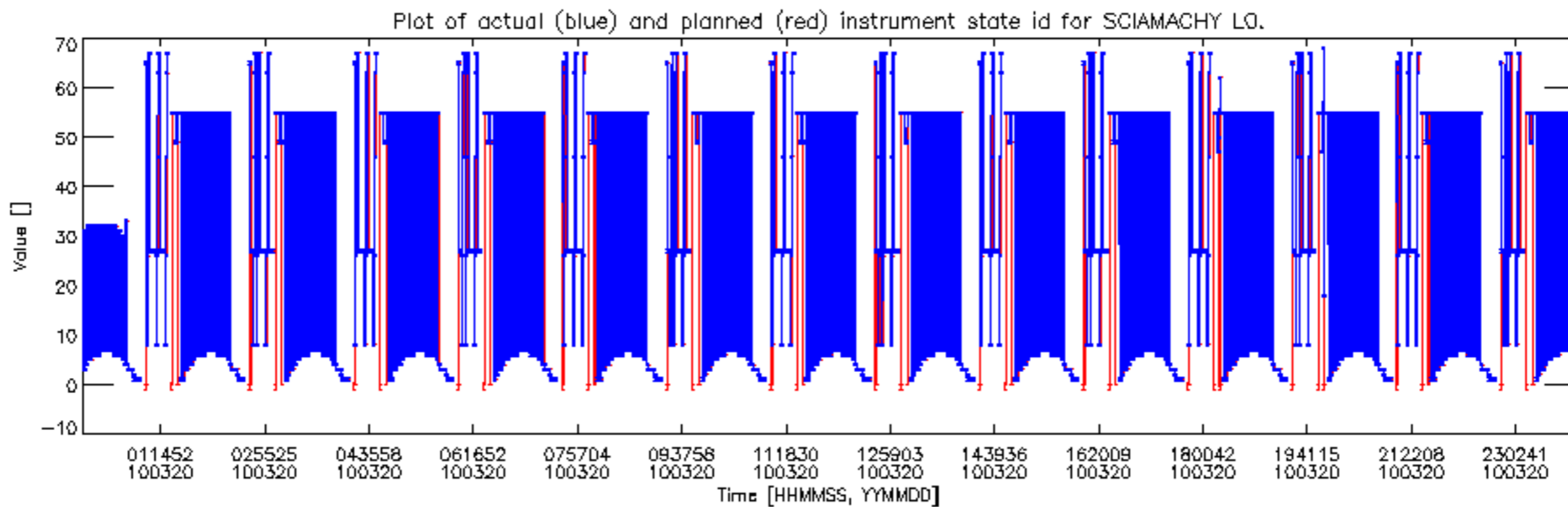




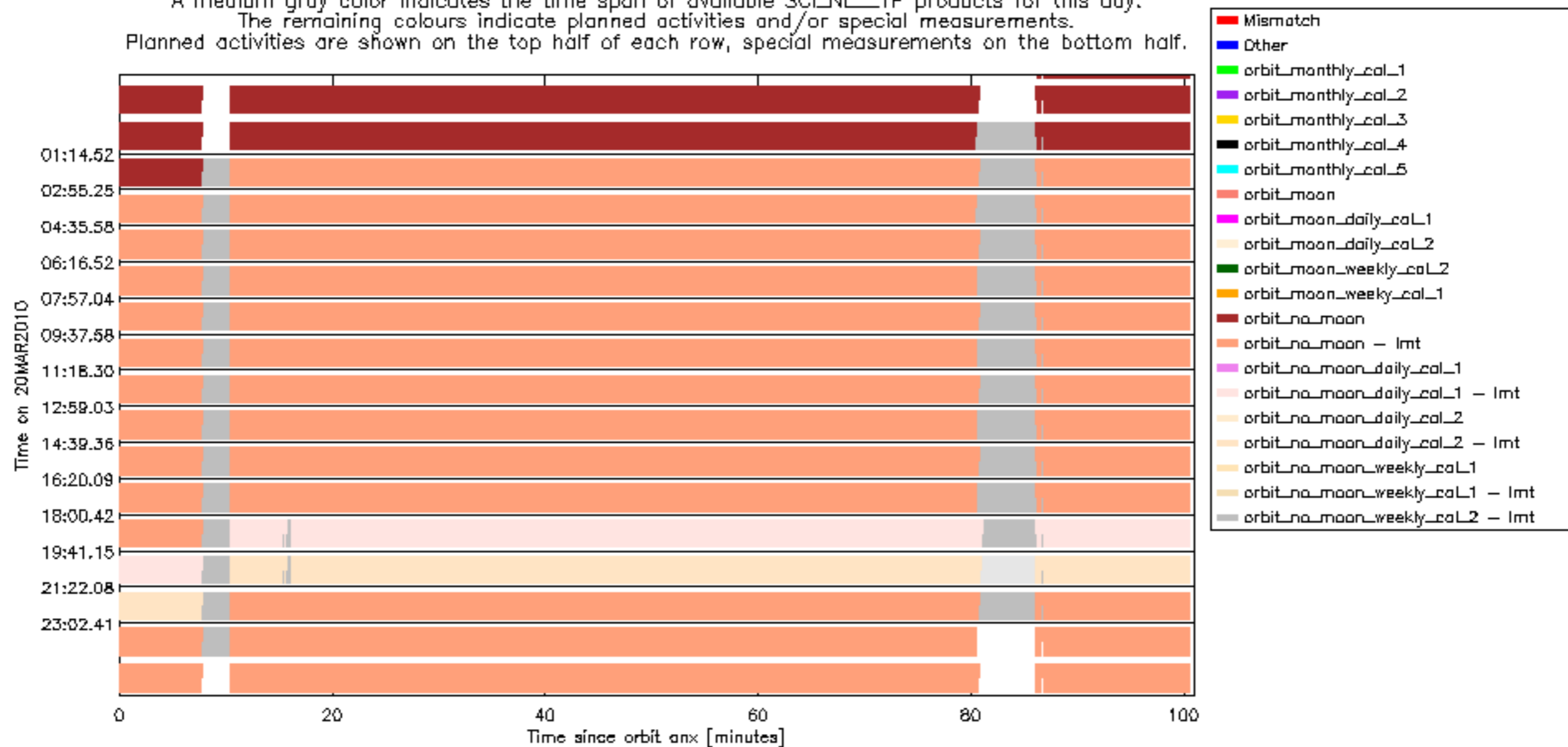


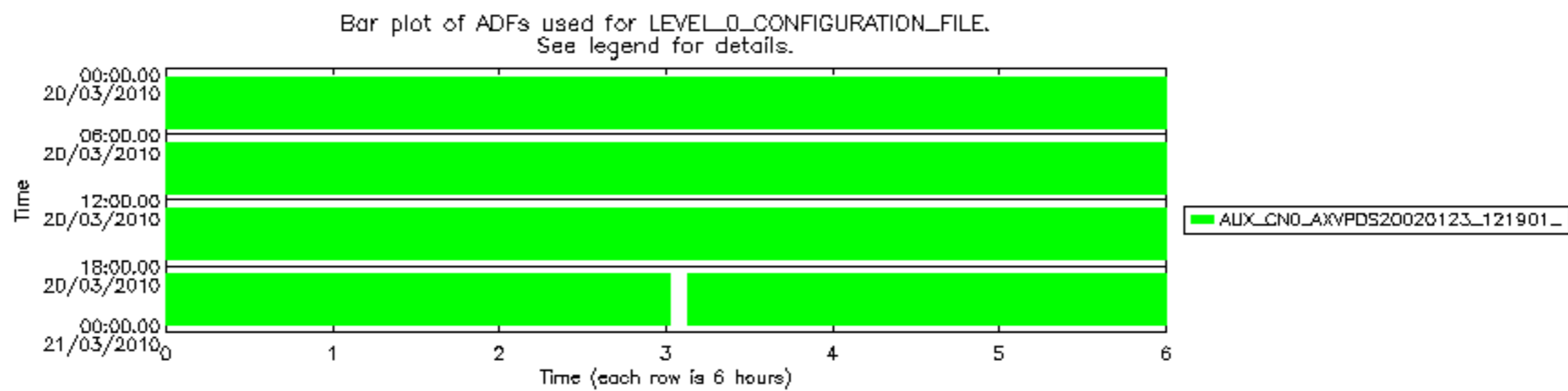






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

