

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	26MAR2009 05:16:27
Data source version	KSPT_L0/4303-N
Processing scope for products	22MAR2009 00:00:00 to 23MAR2009 00:00:00
Start time of first product within scope	21MAR2009 23:29:43
Stop time of last product within scope	23MAR2009 00:39:53
Total number of level 0 products	16
Number of level 0 products with errors	2

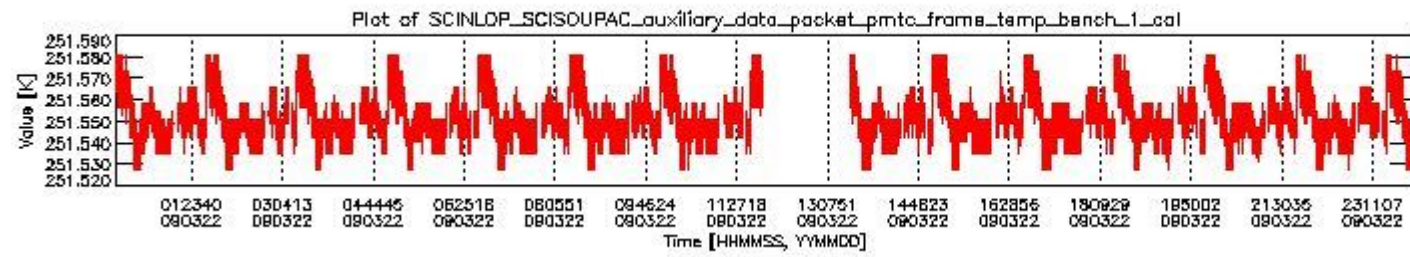
0.1.2 Summary per product

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

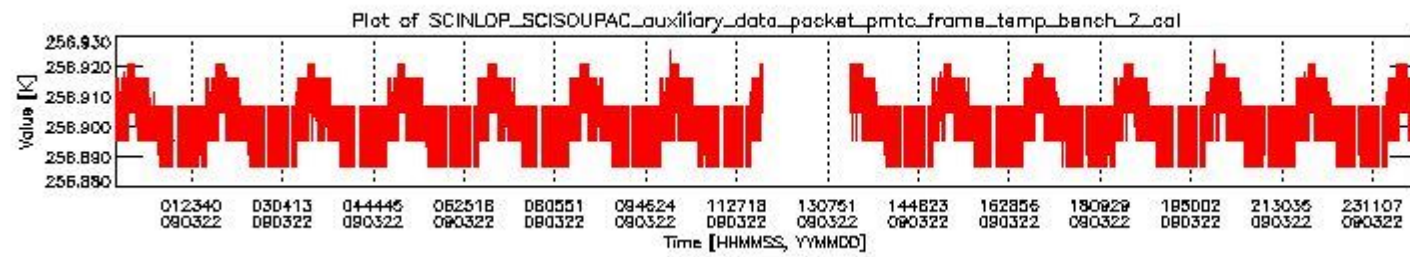
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090321_232943_000061152077_00273_36900_8793.N1	21MAR2009 23:29:43	22MAR2009 01:11:38	0	0	0	0	0
1	SCI_NL__OPNPDE20090322_011138_000045952077_00274_36901_8794.N1	22MAR2009 01:11:38	22MAR2009 02:28:13	0	0	0	0	0
2	SCI_NL__OPNPDE20090322_022717_000058982077_00275_36902_8795.N1	22MAR2009 02:27:17	22MAR2009 04:05:36	0	0	0	0	0
3	SCI_NL__OPNPDE20090322_040440_000060362077_00276_36903_8796.N1	22MAR2009 04:04:40	22MAR2009 05:45:15	0	0	0	0	0
4	SCI_NL__OPNPDE20090322_054515_000062162077_00277_36904_8797.N1	22MAR2009 05:45:15	22MAR2009 07:28:51	0	0	0	0	0
5	SCI_NL__OPNPDK20090322_072851_000038642077_00278_36905_1026.N1	22MAR2009 07:28:51	22MAR2009 08:33:15	0	0	0	0	0
6	SCI_NL__OPNPDK20090322_083220_000061472077_00279_36906_1027.N1	22MAR2009 08:32:20	22MAR2009 10:14:47	0	0	0	0	0
7	SCI_NL__OPNPDK20090322_101351_000060352077_00280_36907_1028.N1	22MAR2009 10:13:51	22MAR2009 11:54:26	0	0	0	0	0
8	SCI_NL__OPNPDK20090322_115330_000060232077_00281_36908_1029.N1	22MAR2009 11:53:30	22MAR2009 13:33:53	1	1	0	0	0
9	SCI_NL__OPNPDK20090322_133257_000057872077_00282_36909_1030.N1	22MAR2009 13:32:57	22MAR2009 15:09:24	0	0	0	0	0
10	SCI_NL__OPNPDK20090322_150828_000060232077_00283_36910_1031.N1	22MAR2009 15:08:28	22MAR2009 16:48:51	1	1	0	0	0
11	SCI_NL__OPNPDK20090322_164755_000058912077_00284_36911_1032.N1	22MAR2009 16:47:55	22MAR2009 18:26:07	0	0	0	0	0
12	SCI_NL__OPNPDK20090322_182526_000059152077_00285_36912_1033.N1	22MAR2009 18:25:26	22MAR2009 20:04:01	0	0	0	0	0
13	SCI_NL__OPNPDE20090322_200401_000043582077_00286_36913_8798.N1	22MAR2009 20:04:01	22MAR2009 21:16:38	0	0	0	0	0
14	SCI_NL__OPNPDE20090322_211555_000062552077_00286_36913_8799.N1	22MAR2009 21:15:55	22MAR2009 23:00:09	0	0	0	0	0
15	SCI_NL__OPNPDE20090322_225842_000060712077_00287_36914_8800.N1	22MAR2009 22:58:42	23MAR2009 00:39:53	0	0	0	0	0

0.2 Product Quality Indicators

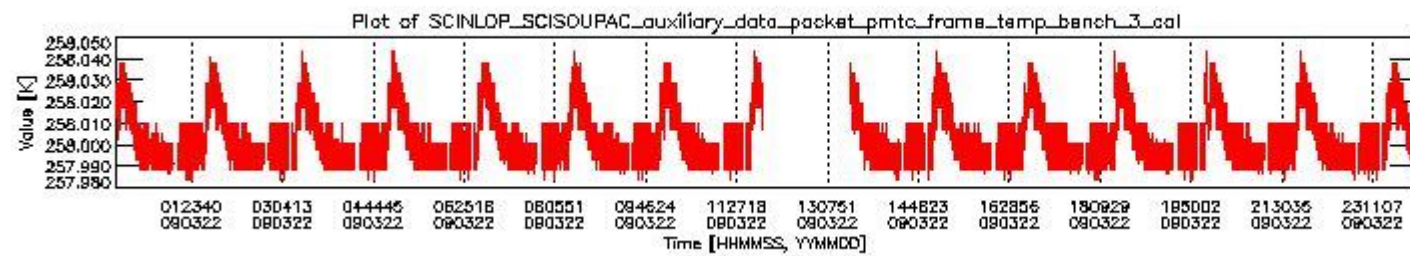
This section shows information about product quality, currently temperatures.



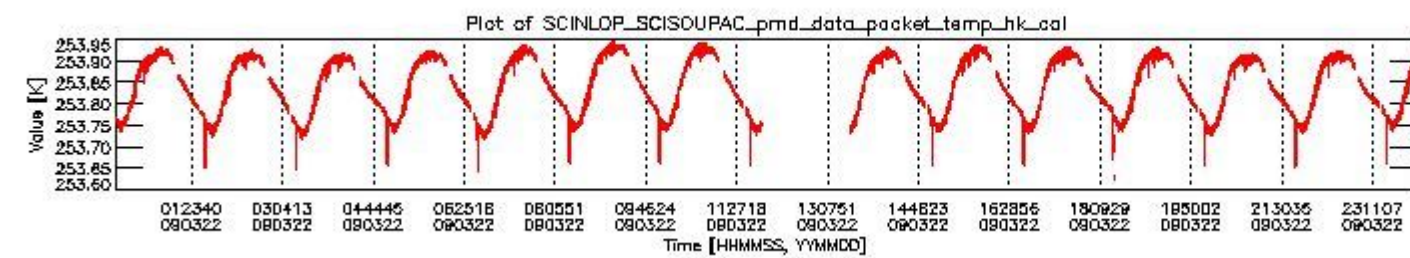
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090322_0.PNG



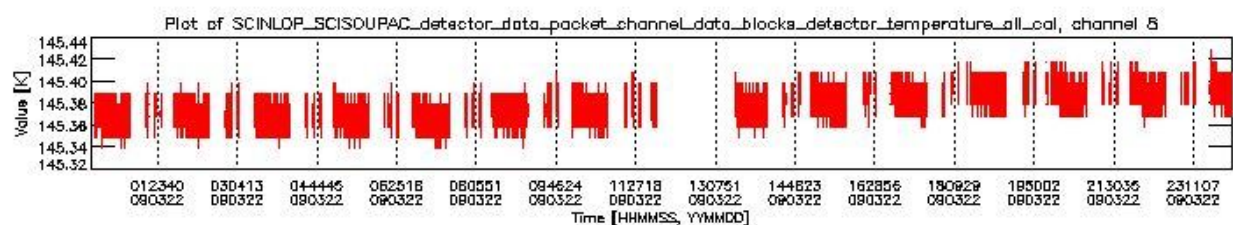
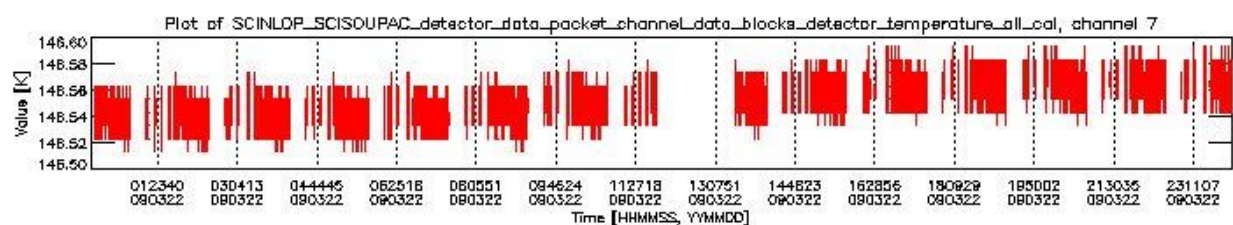
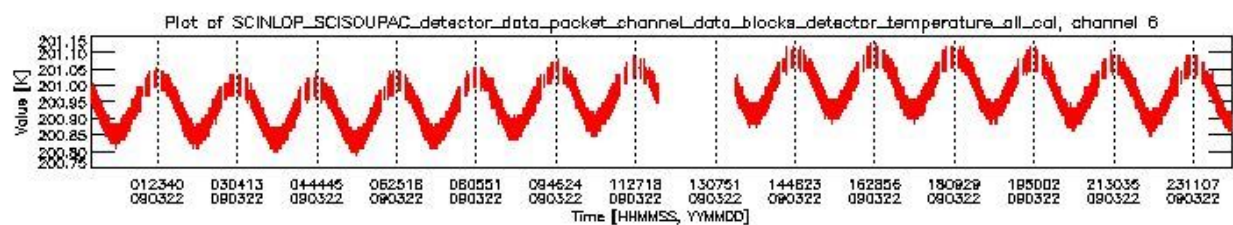
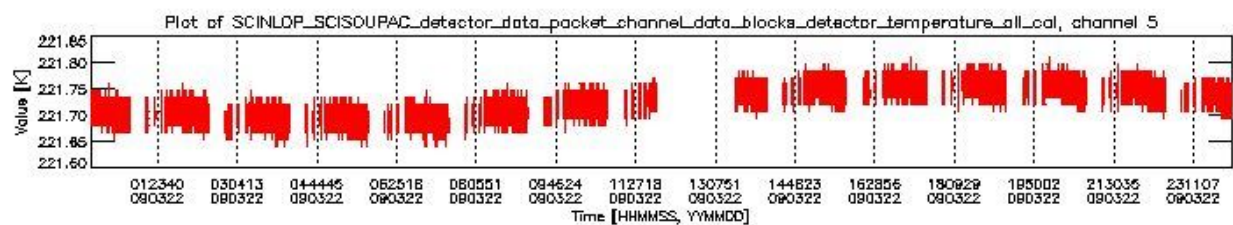
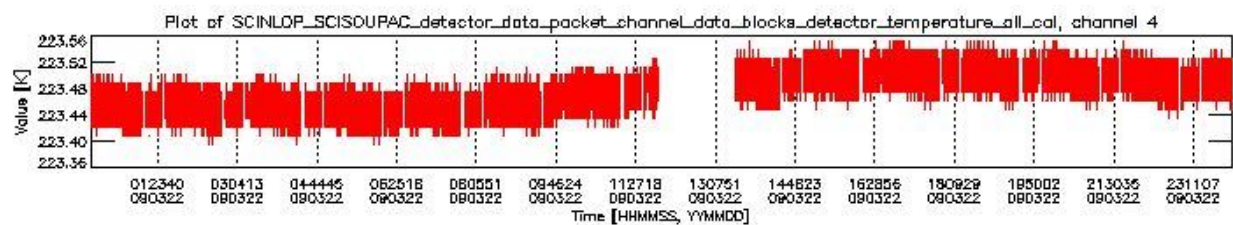
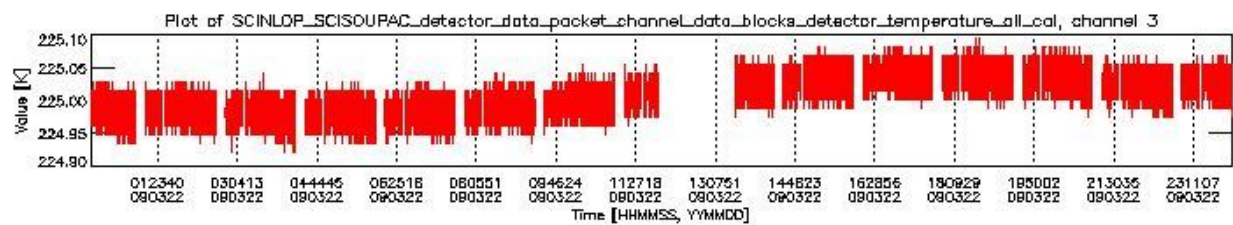
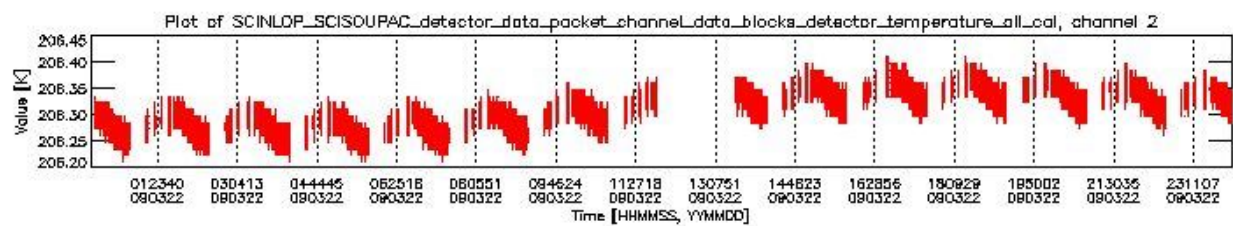
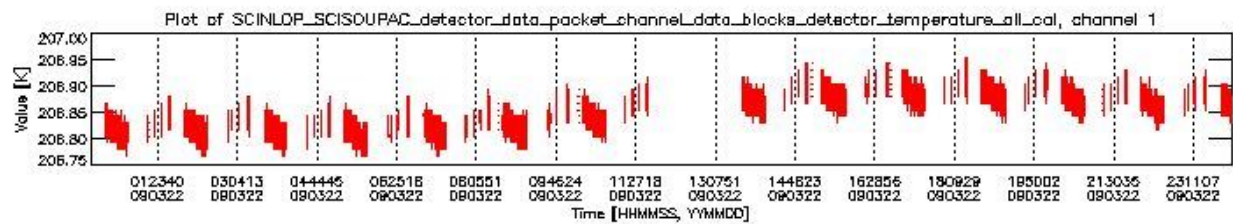
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20090322_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090322_3.PNG

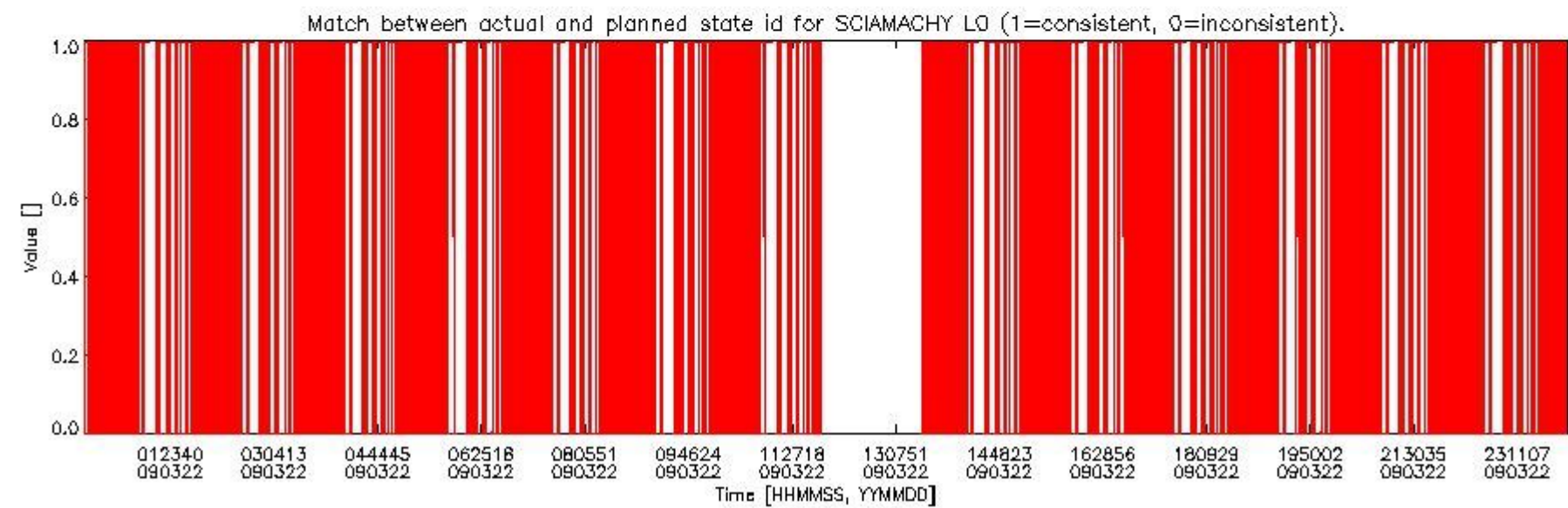
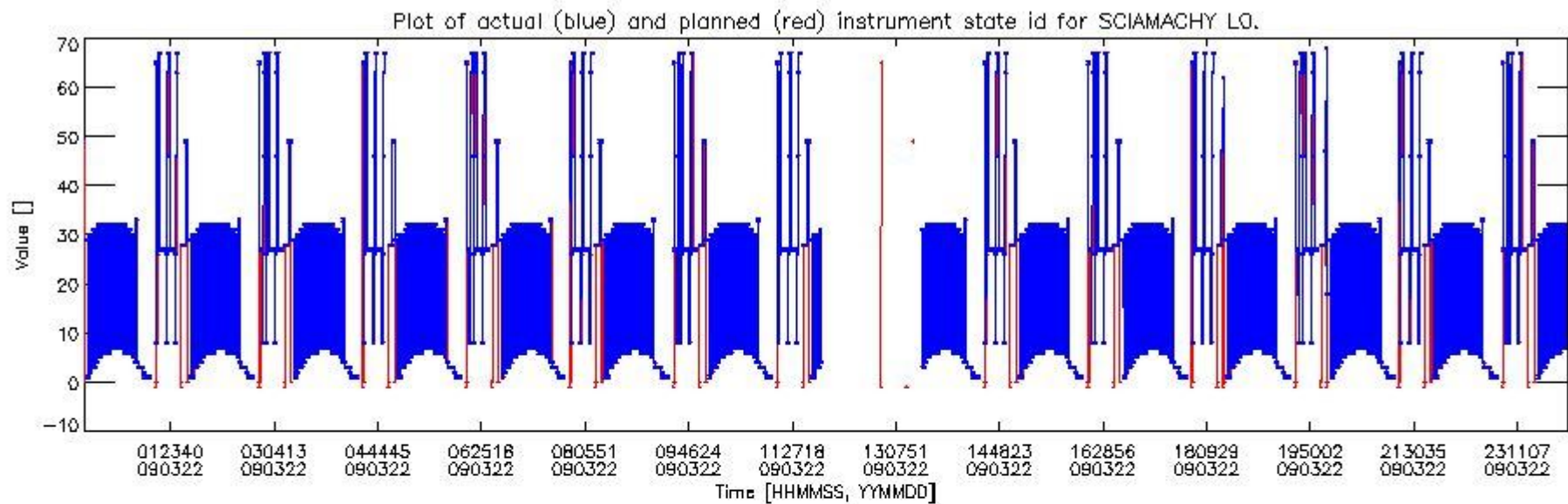


0.3 State monitoring

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: **48806**

#	Actual time	Actual value	Planned time	Planned value
0	22MAR2009 00:02:56.665990	1	22MAR2009 00:02:56.665990	29
1	22MAR2009 00:02:56.915999	1	22MAR2009 00:02:56.915999	29
2	22MAR2009 00:02:57.041003	1	22MAR2009 00:02:57.041003	29
3	22MAR2009 00:02:57.166007	1	22MAR2009 00:02:57.166007	29
4	22MAR2009 00:02:57.291012	1	22MAR2009 00:02:57.291012	29
5	22MAR2009 00:02:57.416016	1	22MAR2009 00:02:57.416016	29
6	22MAR2009 00:02:57.541021	1	22MAR2009 00:02:57.541021	29
7	22MAR2009 00:02:57.666025	1	22MAR2009 00:02:57.666025	29
8	22MAR2009 00:02:57.790989	1	22MAR2009 00:02:57.790989	29
9	22MAR2009 00:02:57.915993	1	22MAR2009 00:02:57.915993	29
10	22MAR2009 00:02:58.040998	1	22MAR2009 00:02:58.040998	29
11	22MAR2009 00:02:58.166002	1	22MAR2009 00:02:58.166002	29
12	22MAR2009 00:02:58.291006	1	22MAR2009 00:02:58.291006	29
13	22MAR2009 00:02:58.416011	1	22MAR2009 00:02:58.416011	29
14	22MAR2009 00:02:58.541015	1	22MAR2009 00:02:58.541015	29
15	22MAR2009 00:02:58.666019	1	22MAR2009 00:02:58.666019	29
16	22MAR2009 00:02:58.791024	1	22MAR2009 00:02:58.791024	29
17	22MAR2009 00:02:58.915988	1	22MAR2009 00:02:58.915988	29
18	22MAR2009 00:02:59.040992	1	22MAR2009 00:02:59.040992	29
19	22MAR2009 00:02:59.165997	1	22MAR2009 00:02:59.165997	29

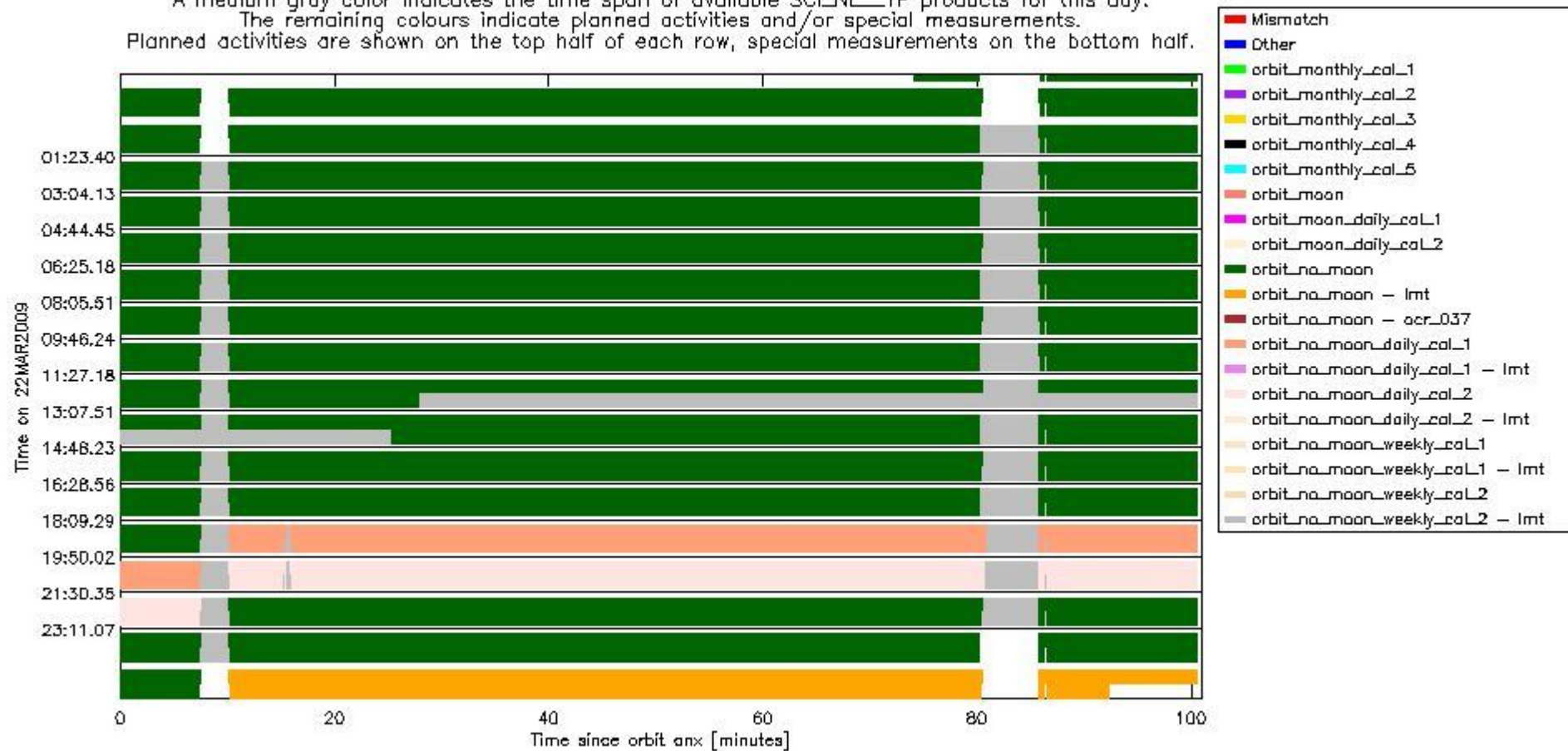


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090322_5.PNG

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 22MAR2009.
 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_20090322_6.PNG

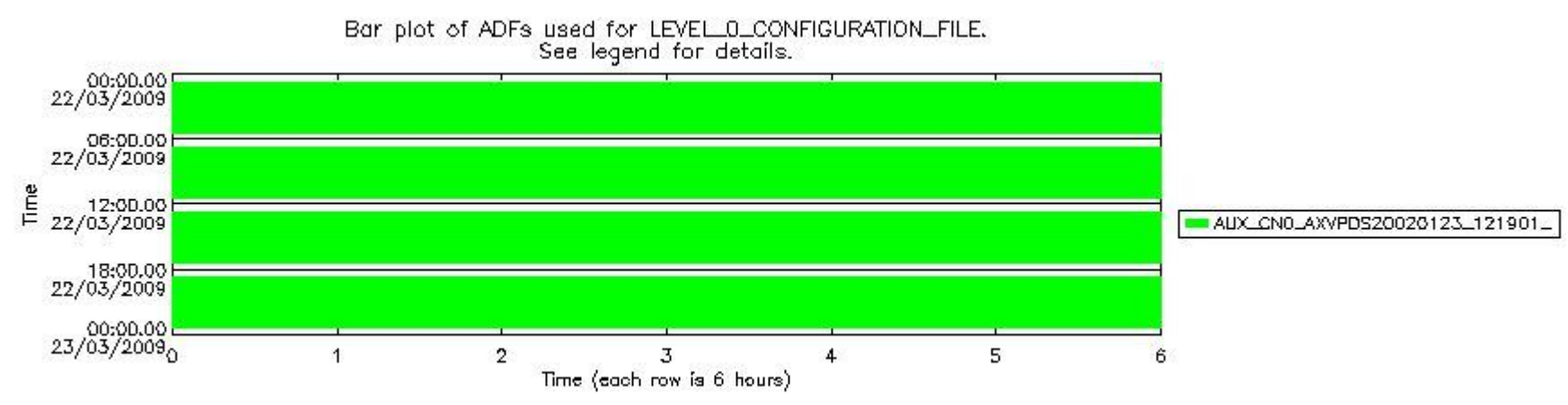
0.4 ADF monitoring

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

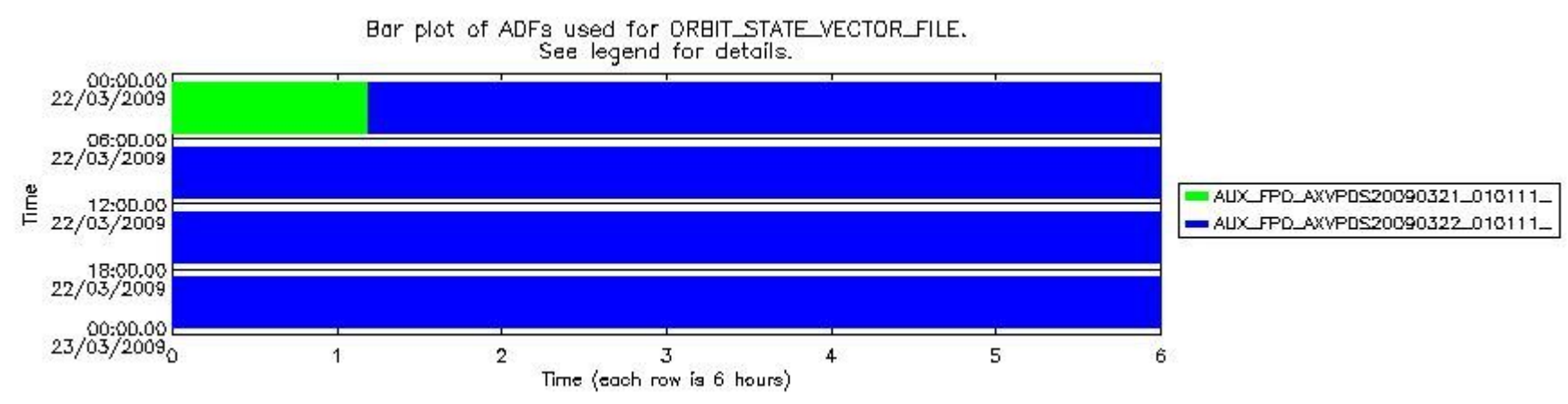
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

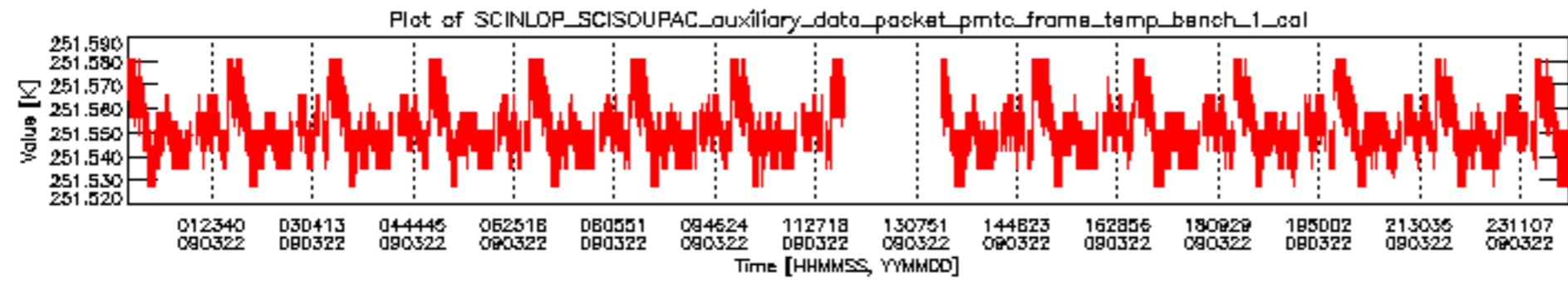
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090321_010111_20090320_191245_20090330_203857
2	AUX_FPO_AXVPDS20090322_010111_20090321_184107_20090331_200720

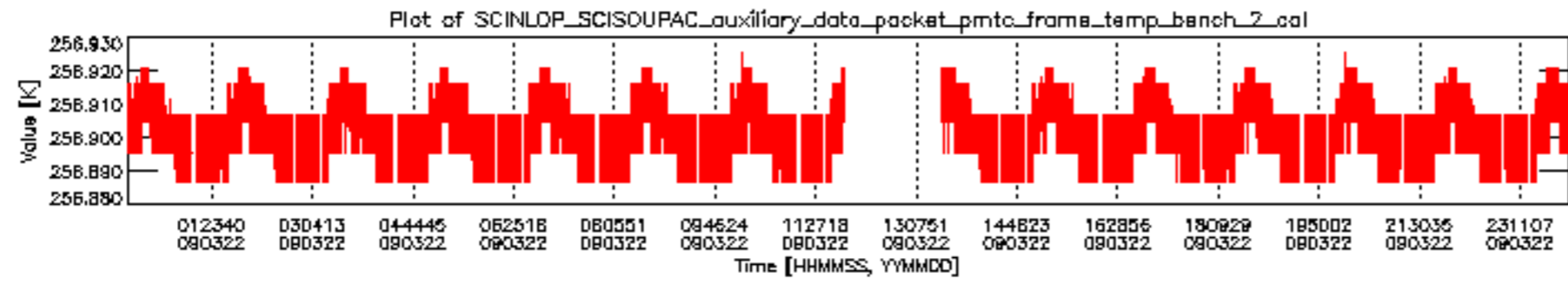


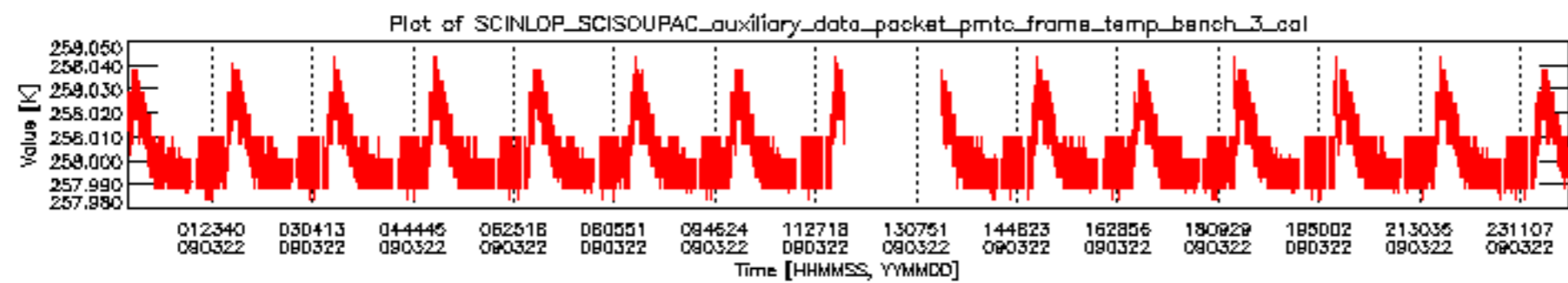
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090322_7.PNG

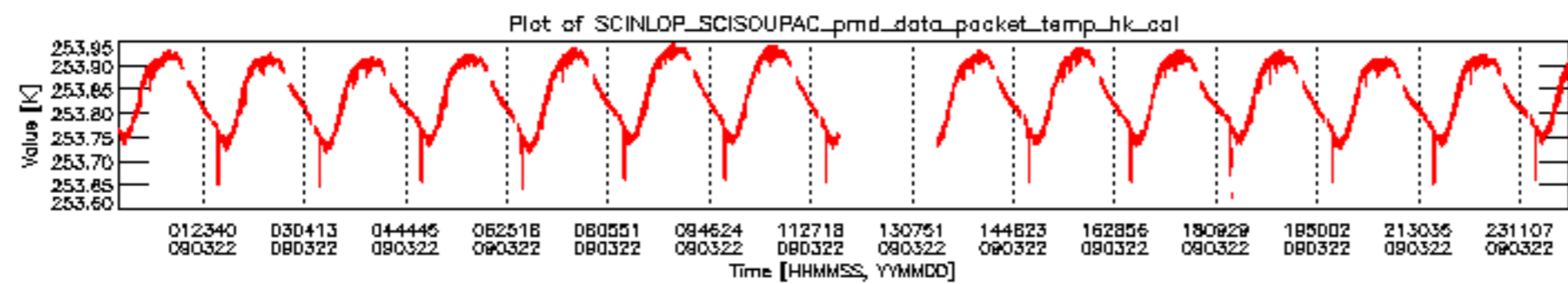


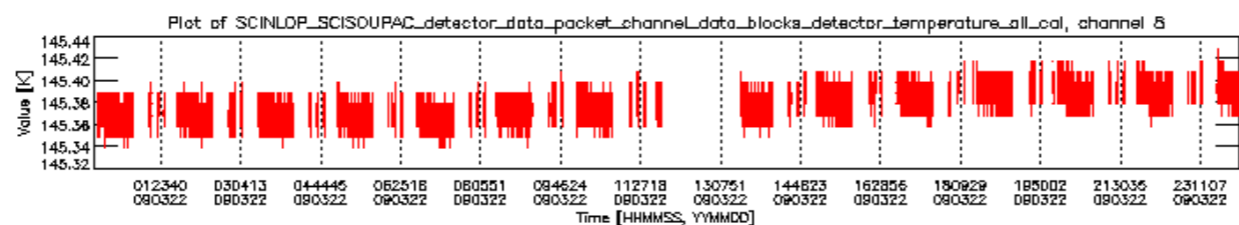
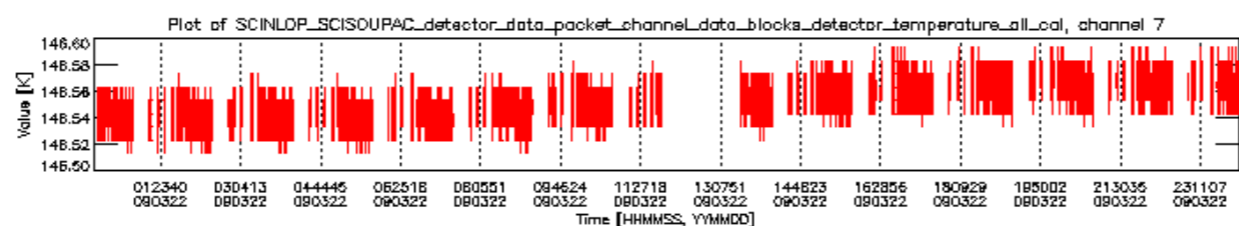
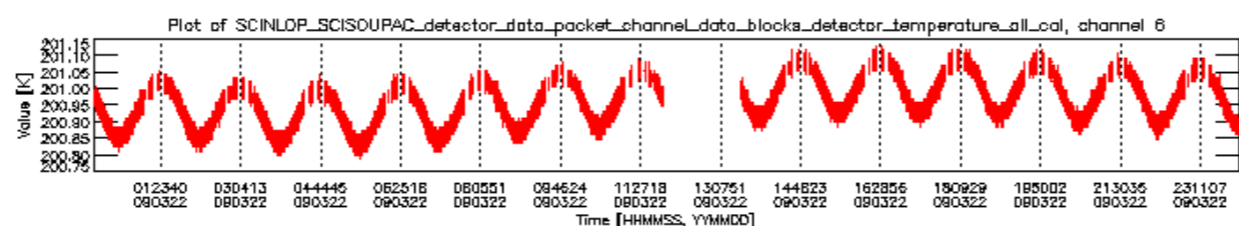
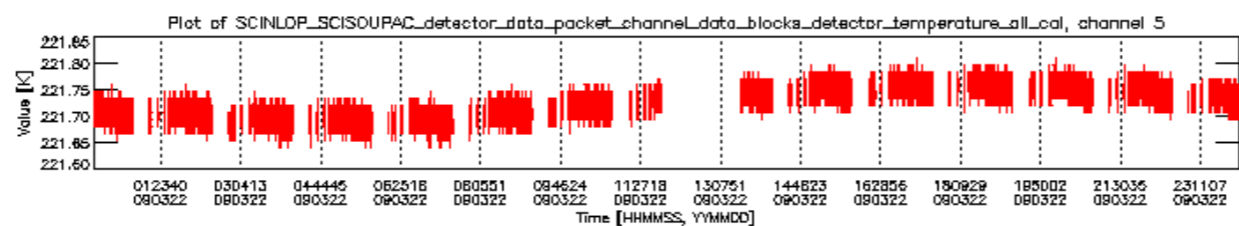
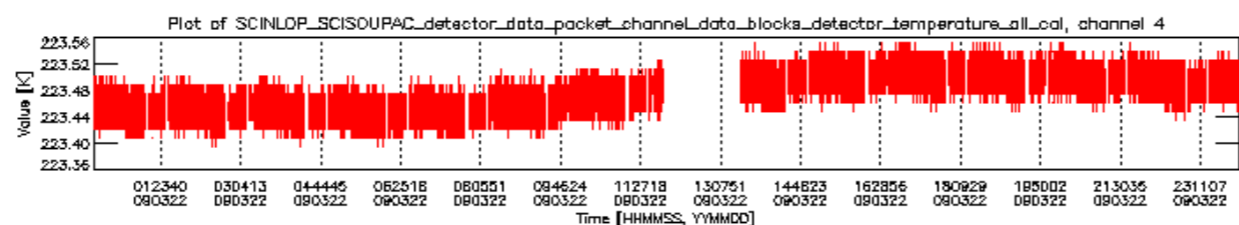
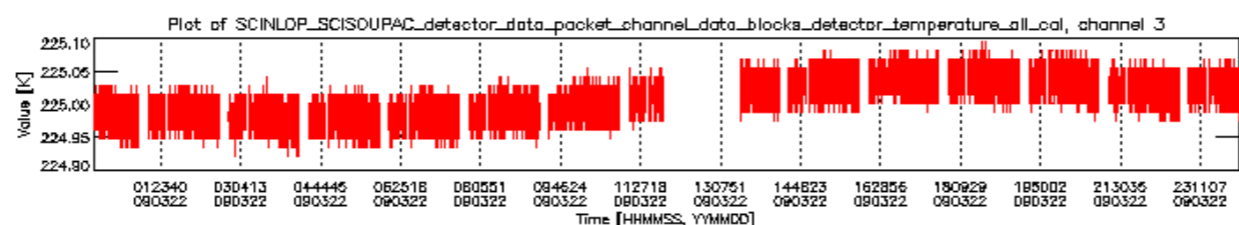
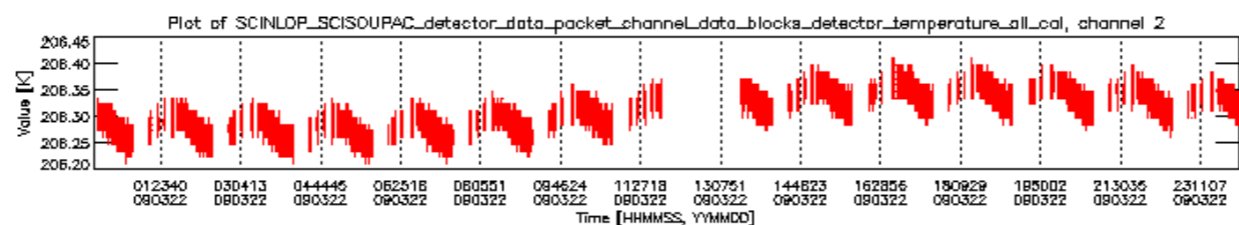
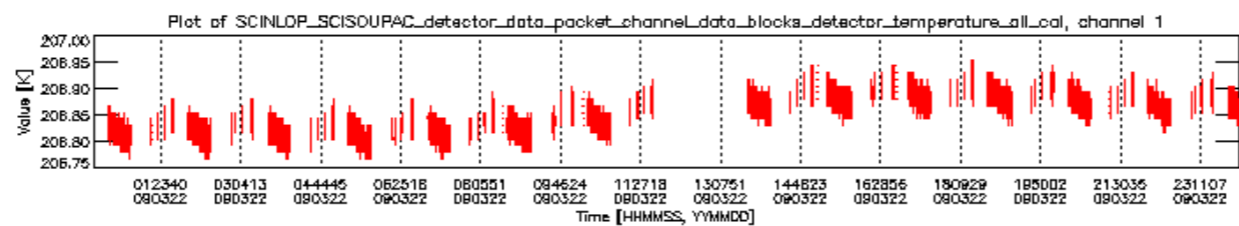
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090322_8.PNG

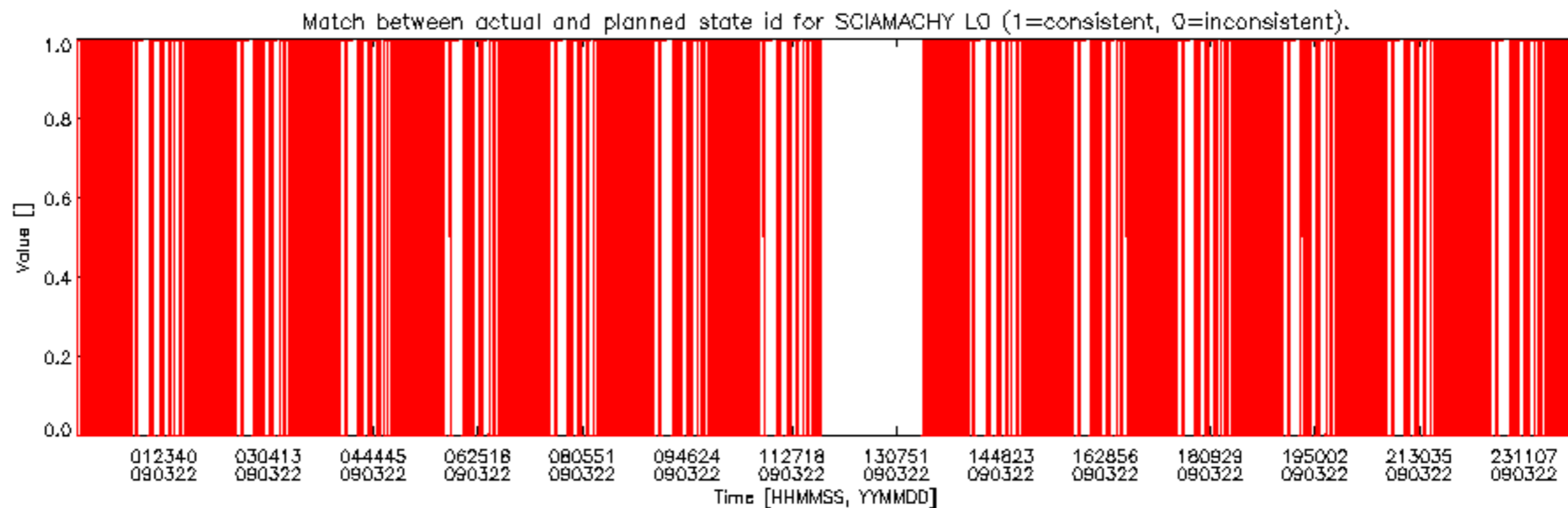
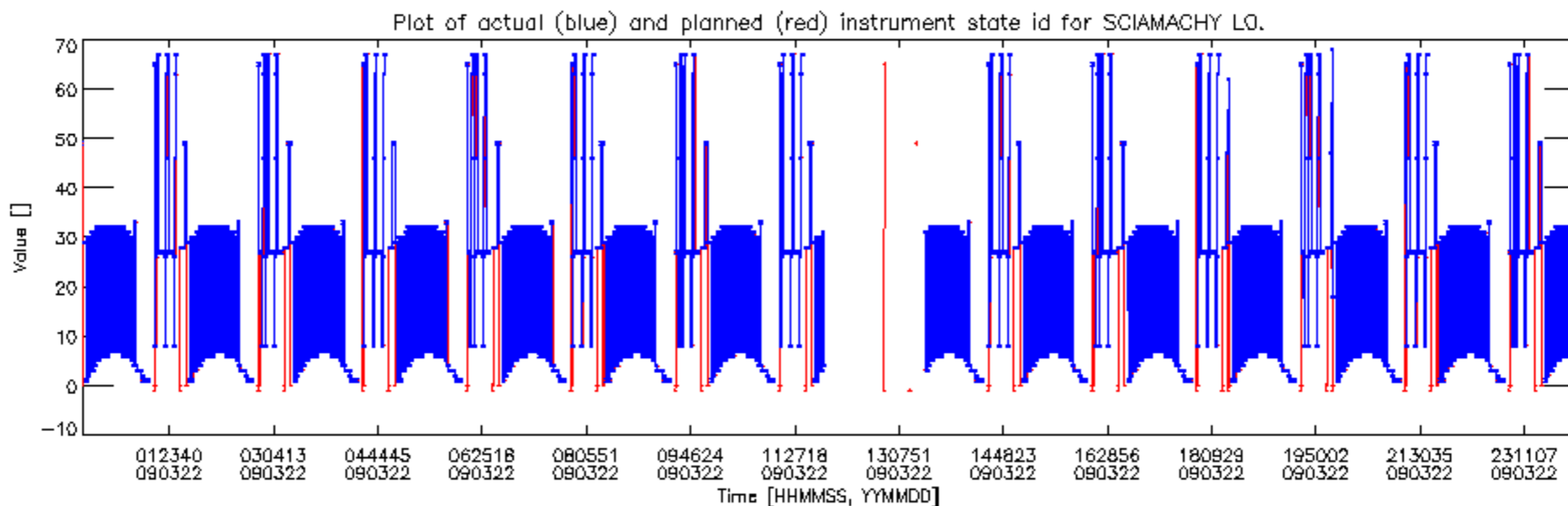












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