

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	15JUL2008 06:11:50
Data source version	KSPT_L0/4303-N
Processing scope for products	11JUL2008 00:00:00 to 12JUL2008 00:00:00
Start time of first product within scope	10JUL2008 23:13:58
Stop time of last product within scope	12JUL2008 00:22:47
Total number of level 0 products	16
Number of level 0 products with errors	0

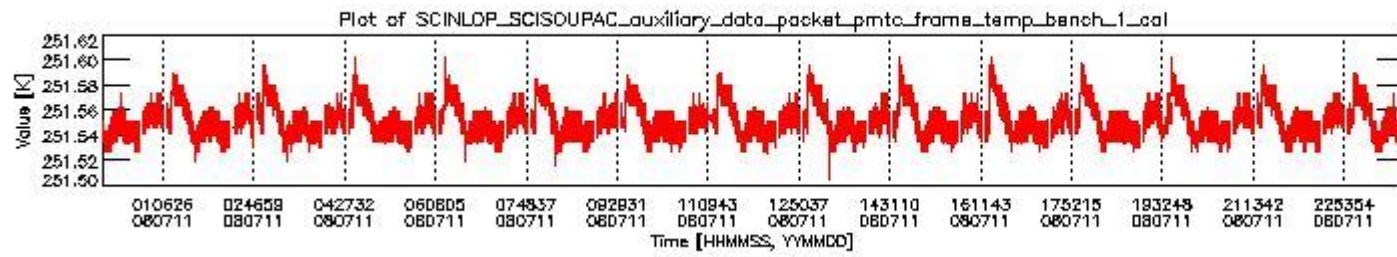
0.1.2 Summary per product

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

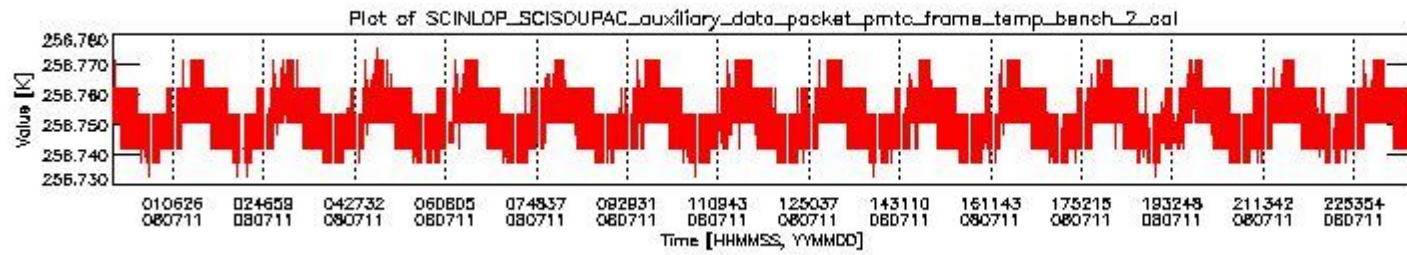
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080710_231358_000060682070_00144_33264_7080.N1	10JUL2008 23:13:58	11JUL2008 00:55:05	0	0	0	0	0
1	SCI_NL__OPNPDE20080711_005421_000045642070_00145_33265_7081.N1	11JUL2008 00:54:21	11JUL2008 02:10:25	0	0	0	0	0
2	SCI_NL__OPNPDE20080711_021025_000058432070_00146_33266_7082.N1	11JUL2008 02:10:25	11JUL2008 03:47:48	0	0	0	0	0
3	SCI_NL__OPNPDE20080711_034748_000060362070_00147_33267_7083.N1	11JUL2008 03:47:48	11JUL2008 05:28:24	0	0	0	0	0
4	SCI_NL__OPNPDE20080711_052824_000060362070_00148_33268_7084.N1	11JUL2008 05:28:24	11JUL2008 07:09:00	0	0	0	0	0
5	SCI_NL__OPNPDK20080711_070804_000041572070_00149_33269_8736.N1	11JUL2008 07:08:04	11JUL2008 08:17:21	0	0	0	0	0
6	SCI_NL__OPNPDK20080711_081625_000061052070_00150_33270_8737.N1	11JUL2008 08:16:25	11JUL2008 09:58:10	0	0	0	0	0
7	SCI_NL__OPNPDK20080711_095701_000060362070_00151_33271_8738.N1	11JUL2008 09:57:01	11JUL2008 11:37:37	0	0	0	0	0
8	SCI_NL__OPNPDK20080711_113737_000059122070_00152_33272_8739.N1	11JUL2008 11:37:37	11JUL2008 13:16:09	0	0	0	0	0
9	SCI_NL__OPNPDK20080711_131609_000059122070_00153_33273_8740.N1	11JUL2008 13:16:09	11JUL2008 14:54:40	0	0	0	0	0
10	SCI_NL__OPNPDK20080711_145332_000059802070_00154_33274_8741.N1	11JUL2008 14:53:32	11JUL2008 16:33:12	0	0	0	0	0
11	SCI_NL__OPNPDK20080711_163216_000057912070_00155_33275_8742.N1	11JUL2008 16:32:16	11JUL2008 18:08:47	0	0	0	0	0
12	SCI_NL__OPNPDK20080711_180751_000061612070_00156_33276_8743.N1	11JUL2008 18:07:51	11JUL2008 19:50:32	0	0	0	0	0
13	SCI_NL__OPNPDE20080711_194923_000040402070_00157_33277_7085.N1	11JUL2008 19:49:23	11JUL2008 20:56:43	0	0	0	0	0
14	SCI_NL__OPNPDE20080711_205556_000064782070_00157_33277_7127.N1	11JUL2008 20:55:56	11JUL2008 22:43:54	0	0	0	0	0
15	SCI_NL__OPNPDE20080711_224223_000060242070_00158_33278_7087.N1	11JUL2008 22:42:23	12JUL2008 00:22:47	0	0	0	0	0

0.2 Product Quality Indicators

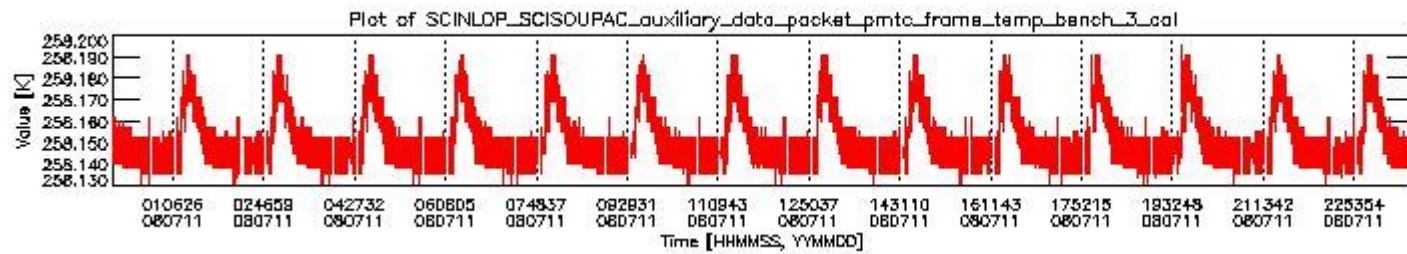
This section shows information about product quality, currently temperatures.



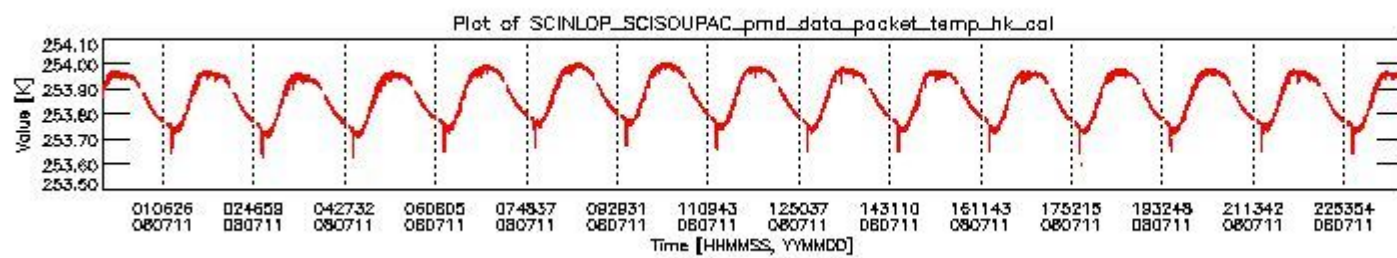
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080711_0.PNG



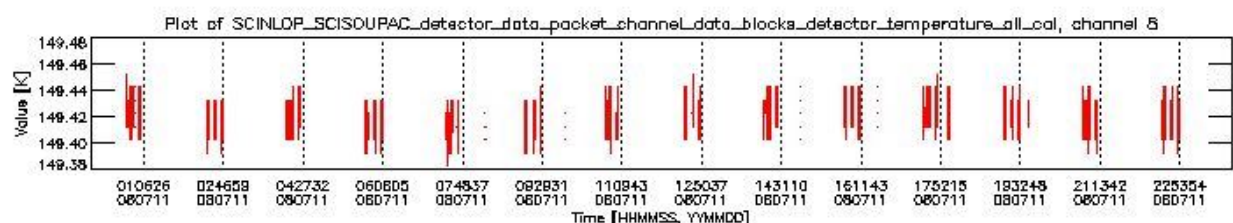
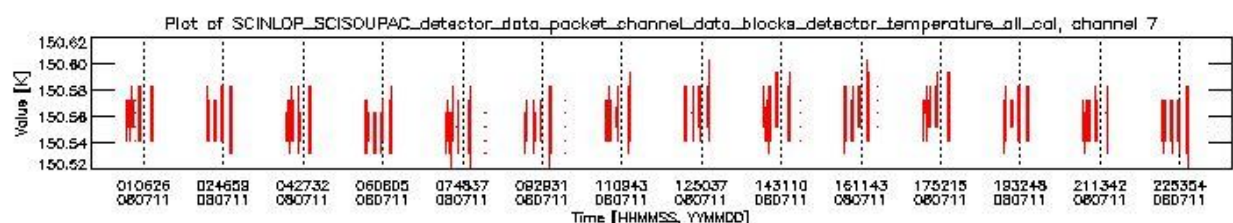
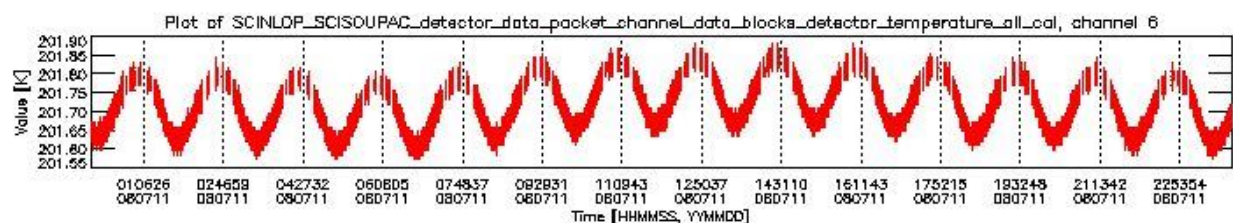
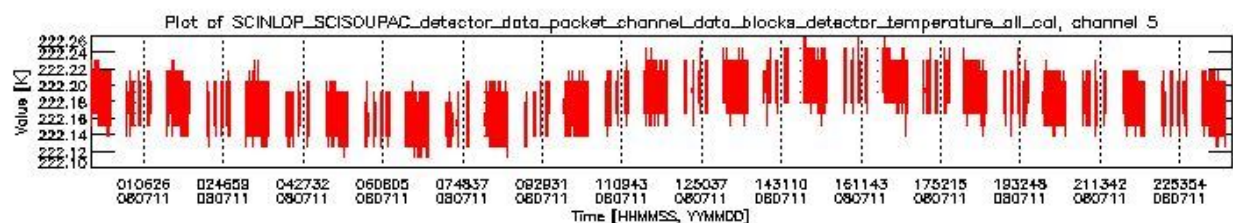
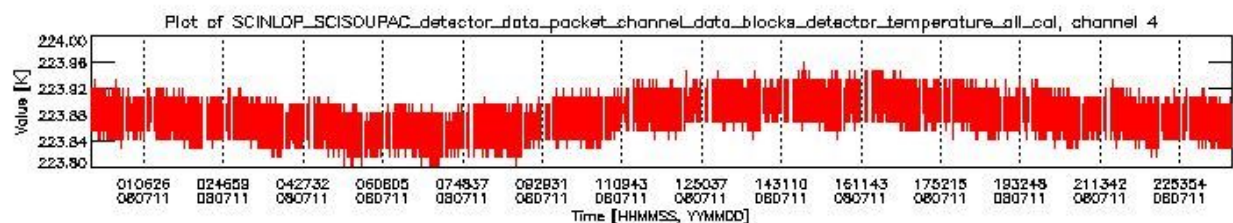
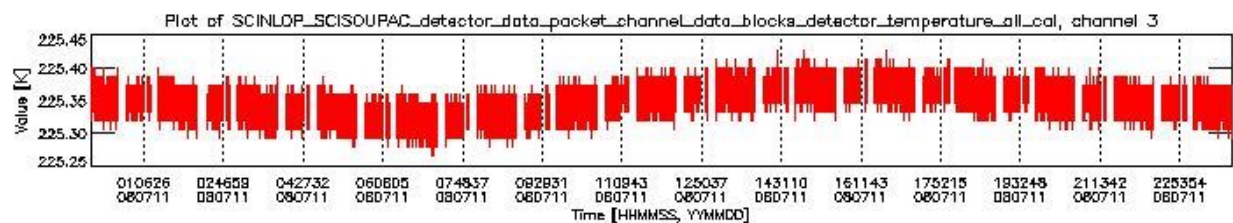
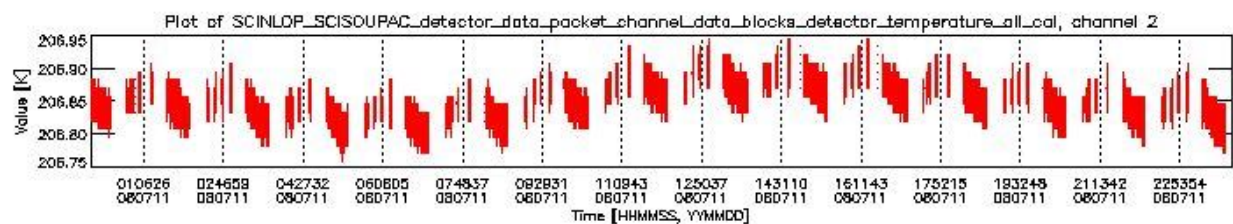
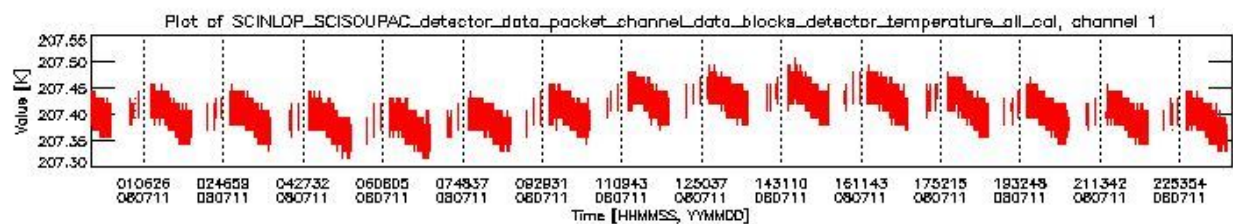
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080711_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080711_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080711_3.PNG

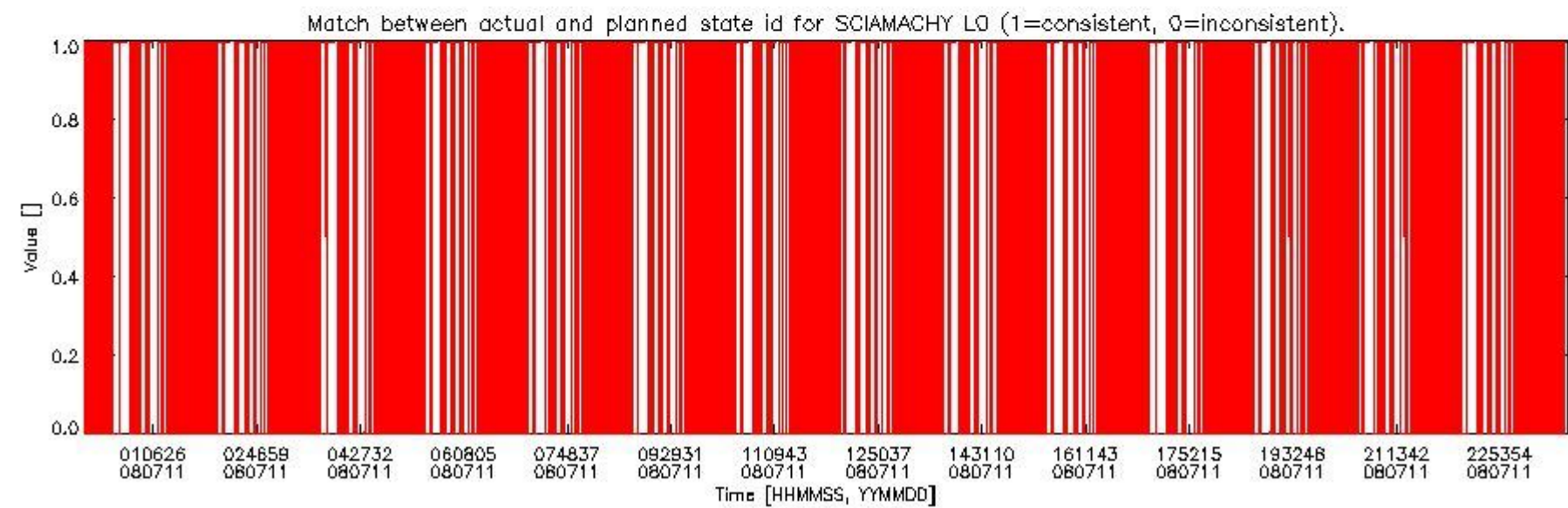
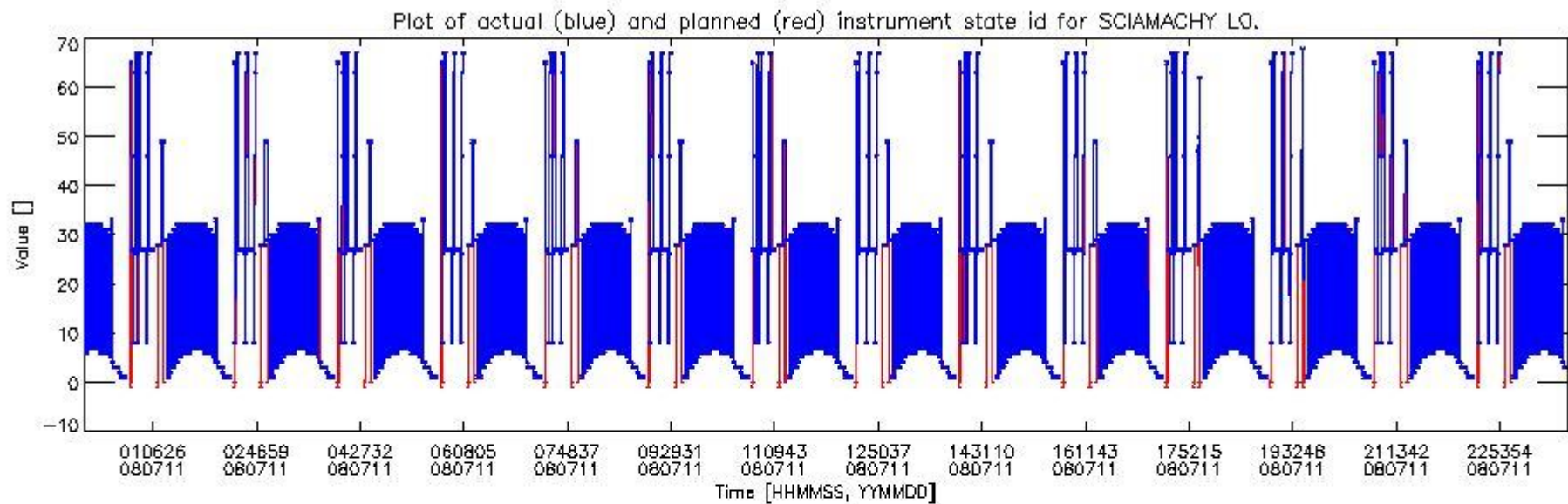


0.3 State monitoring

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: **36324**

#	Actual time	Actual value	Planned time	Planned value
0	11JUL2008 00:00:47.247058	32	11JUL2008 00:00:47.247058	6
1	11JUL2008 00:00:47.684553	32	11JUL2008 00:00:47.684553	6
2	11JUL2008 00:00:47.872080	32	11JUL2008 00:00:47.872080	6
3	11JUL2008 00:00:48.059566	32	11JUL2008 00:00:48.059566	6
4	11JUL2008 00:00:48.247053	32	11JUL2008 00:00:48.247053	6
5	11JUL2008 00:00:48.434579	32	11JUL2008 00:00:48.434579	6
6	11JUL2008 00:00:48.622066	32	11JUL2008 00:00:48.622066	6
7	11JUL2008 00:00:48.809552	32	11JUL2008 00:00:48.809552	6
8	11JUL2008 00:00:49.184565	32	11JUL2008 00:00:49.184565	6
9	11JUL2008 00:00:49.372052	32	11JUL2008 00:00:49.372052	6
10	11JUL2008 00:00:49.559578	32	11JUL2008 00:00:49.559578	6
11	11JUL2008 00:00:49.747065	32	11JUL2008 00:00:49.747065	6
12	11JUL2008 00:00:49.934551	32	11JUL2008 00:00:49.934551	6
13	11JUL2008 00:00:50.122078	32	11JUL2008 00:00:50.122078	6
14	11JUL2008 00:00:50.309564	32	11JUL2008 00:00:50.309564	6
15	11JUL2008 00:00:50.497051	32	11JUL2008 00:00:50.497051	6
16	11JUL2008 00:00:50.872064	32	11JUL2008 00:00:50.872064	6
17	11JUL2008 00:00:51.059550	32	11JUL2008 00:00:51.059550	6
18	11JUL2008 00:00:51.247077	32	11JUL2008 00:00:51.247077	6
19	11JUL2008 00:00:51.434563	32	11JUL2008 00:00:51.434563	6

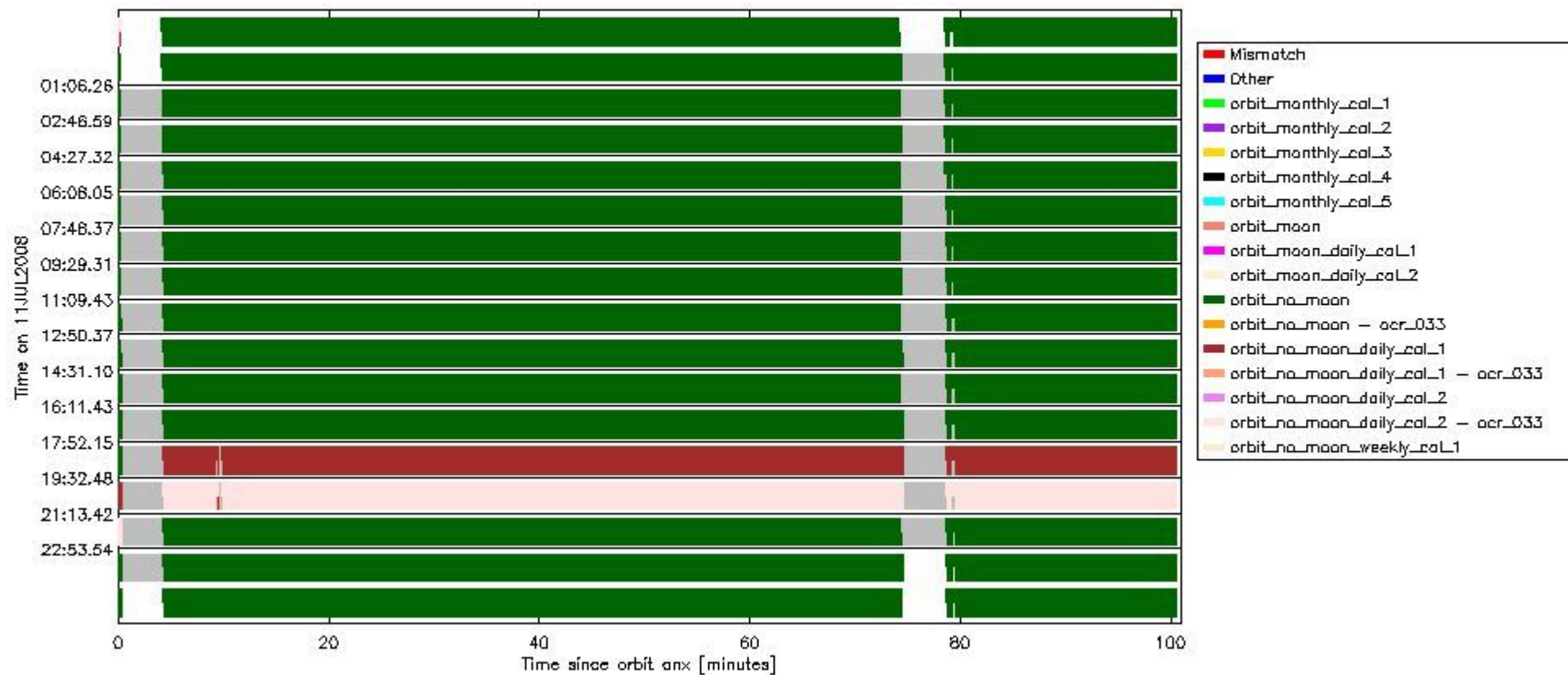


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080711_5.PNG

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 11JUL2008.
 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_20080711_6.PNG

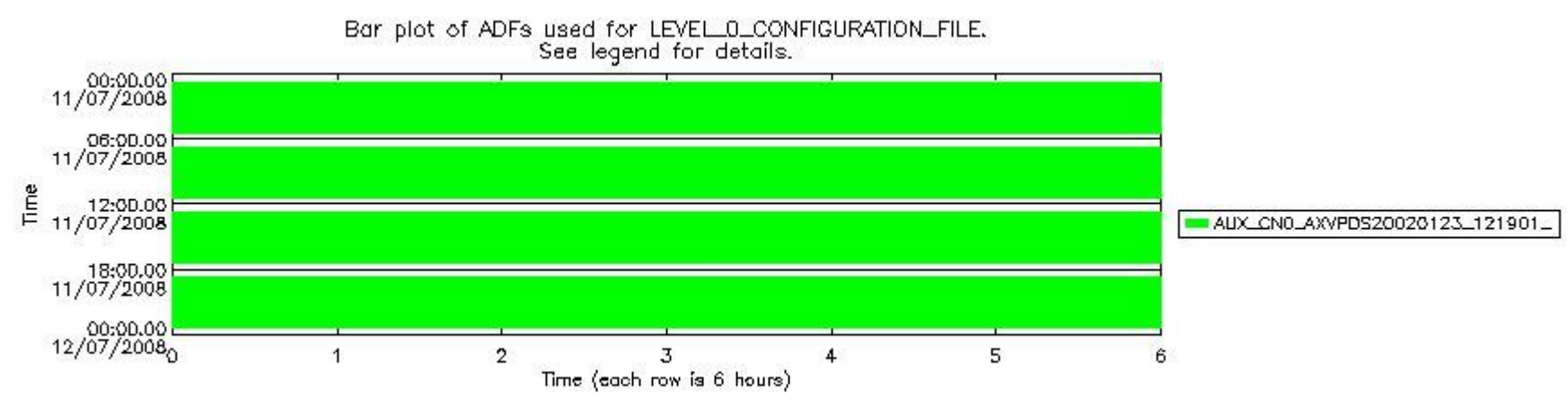
0.4 ADF monitoring

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

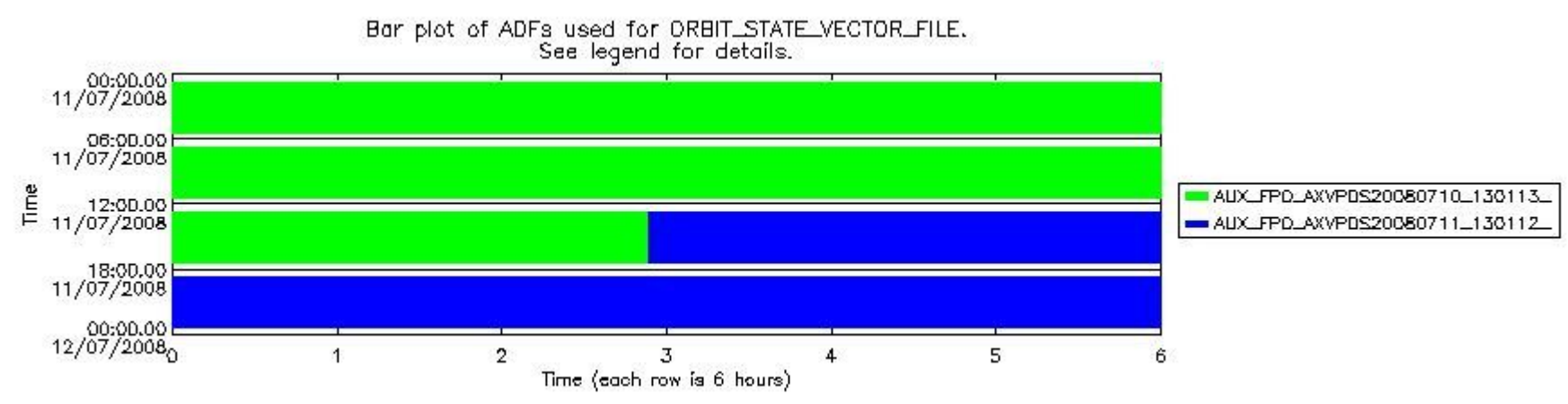
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

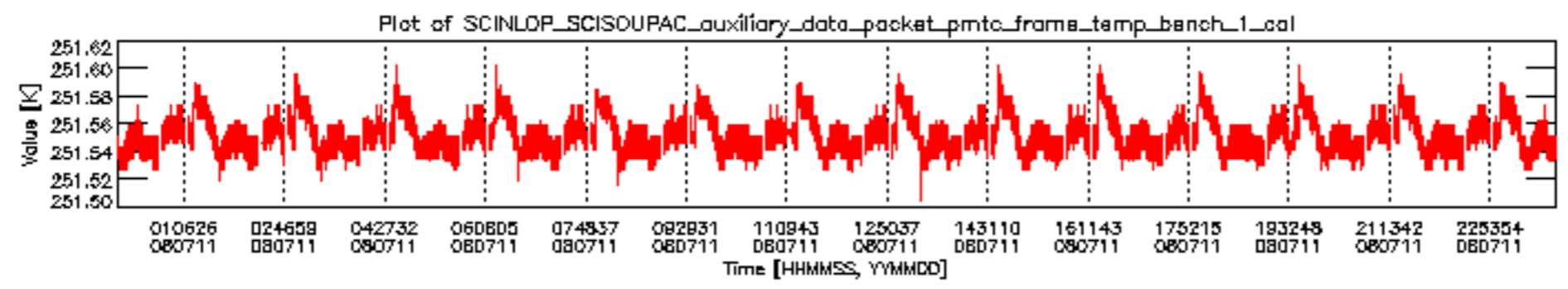
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080710_130113_20080709_185535_20080719_202148
2	AUX_FPO_AXVPDS20080711_130112_20080710_182358_20080720_213047

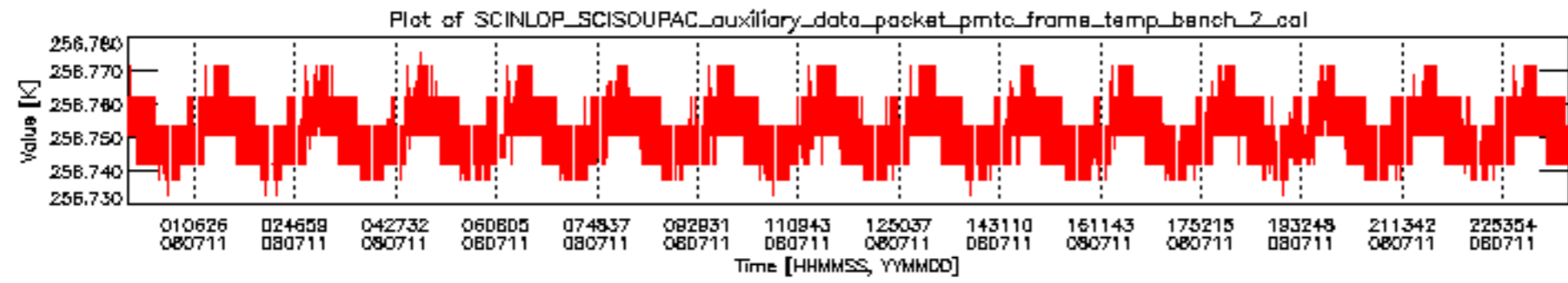


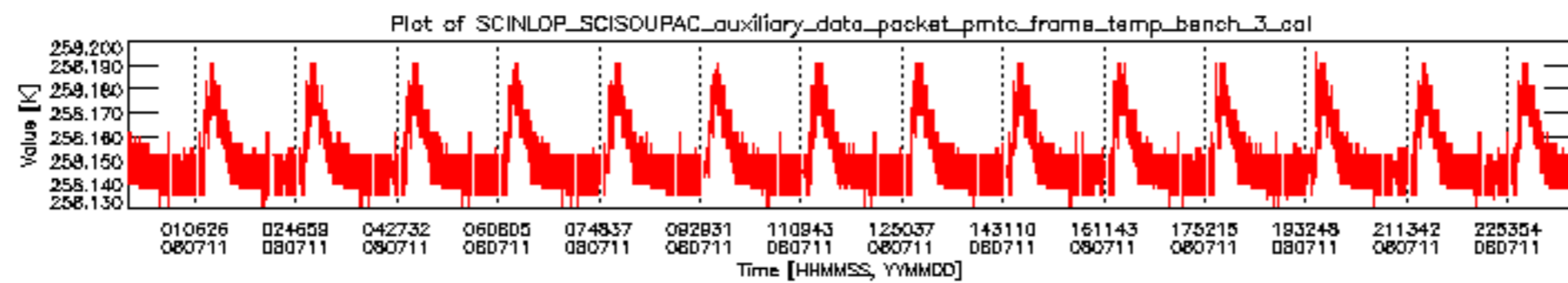
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080711_7.PNG

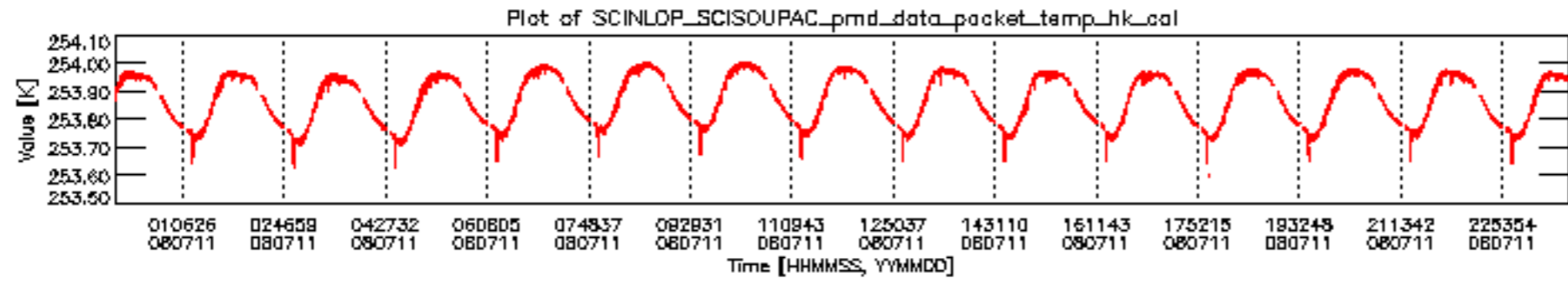


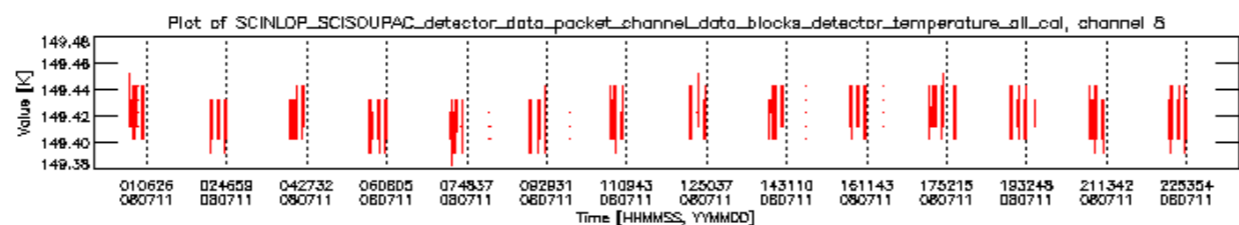
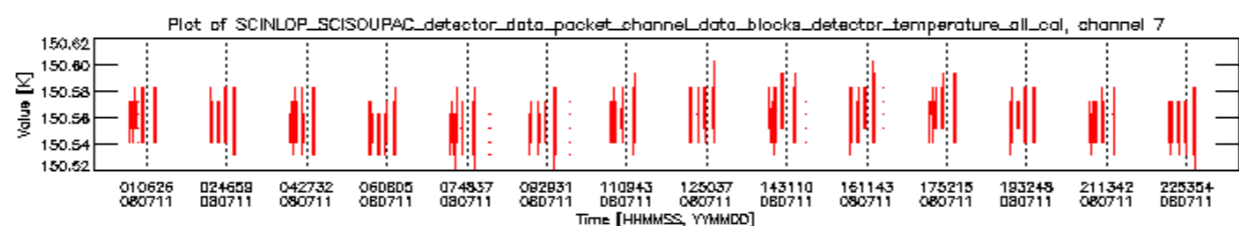
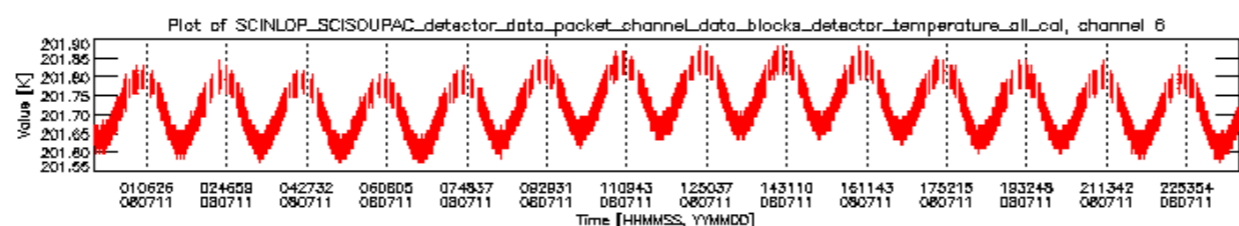
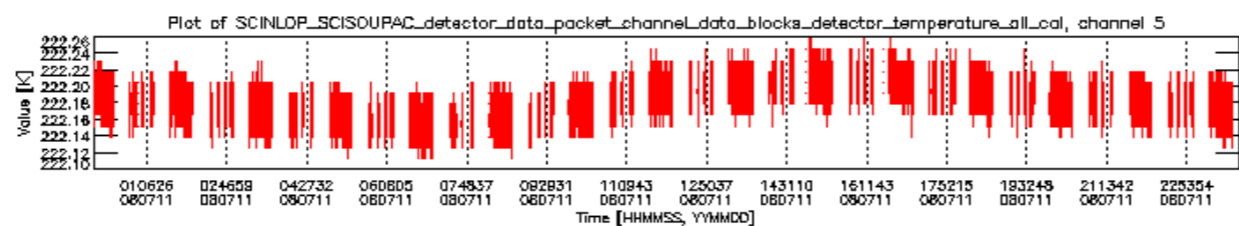
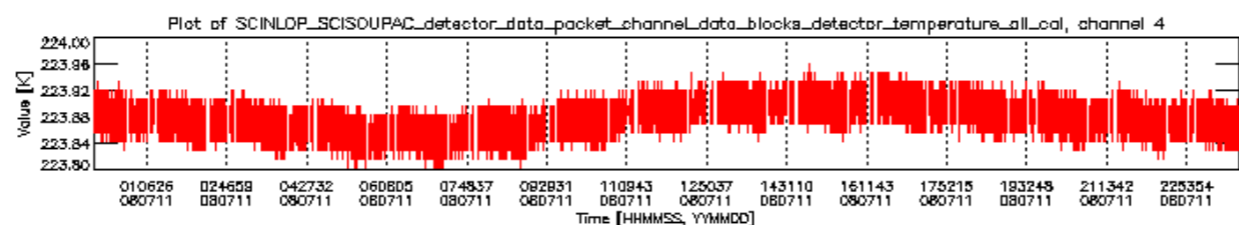
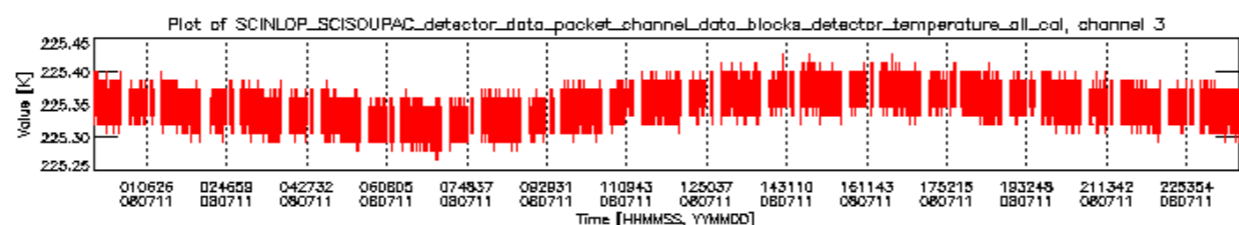
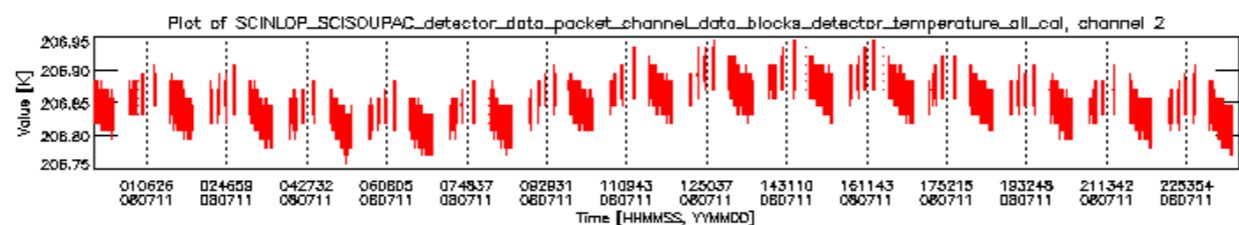
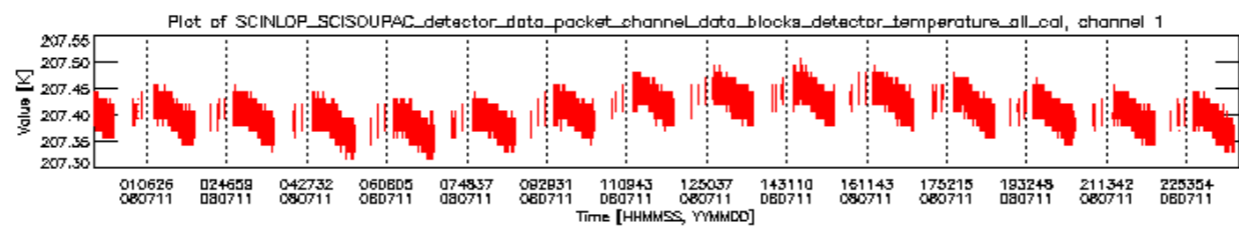
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080711_8.PNG

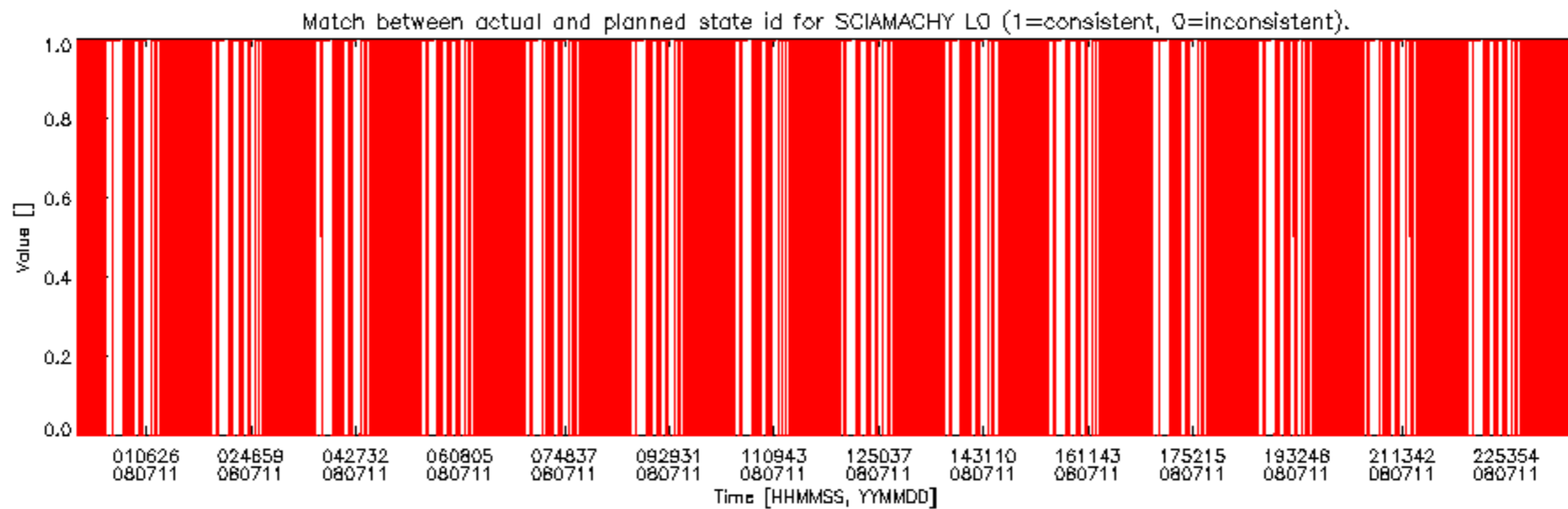
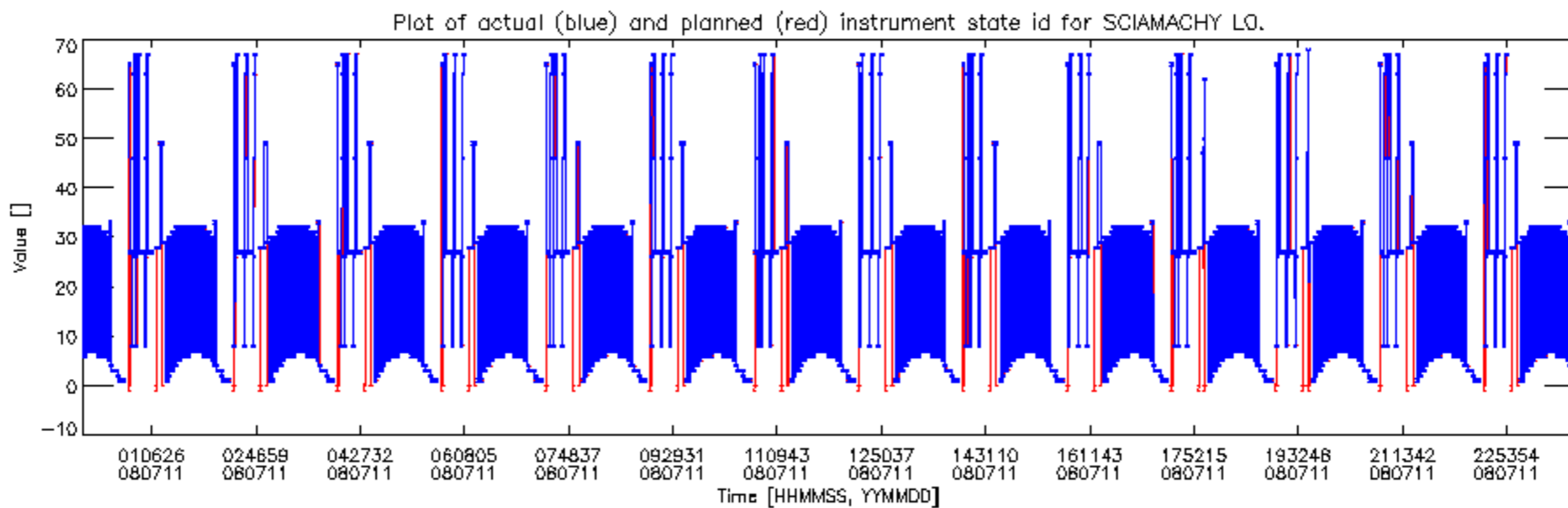












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