

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	23JUL2008 04:41:13
Data source version	KSPT_L0/4303-N
Processing scope for products	19JUL2008 00:00:00 to 20JUL2008 00:00:00
Start time of first product within scope	18JUL2008 22:19:41
Stop time of last product within scope	19JUL2008 20:38:17
Total number of level 0 products	14
Number of level 0 products with errors	0

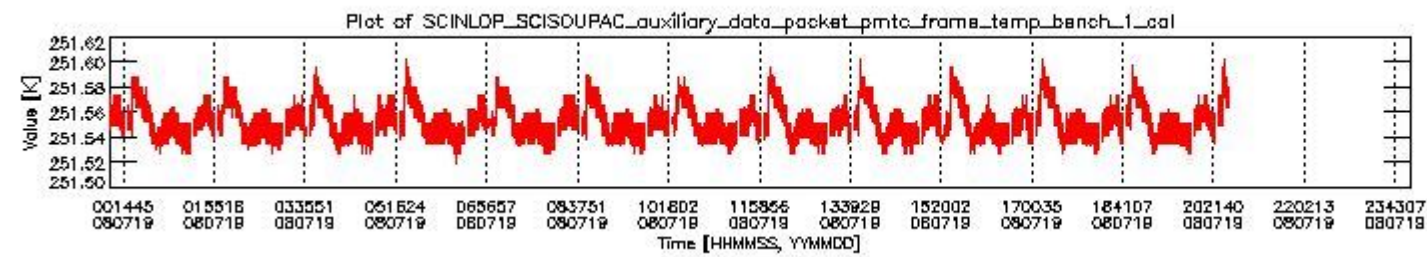
0.1.2 Summary per product

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

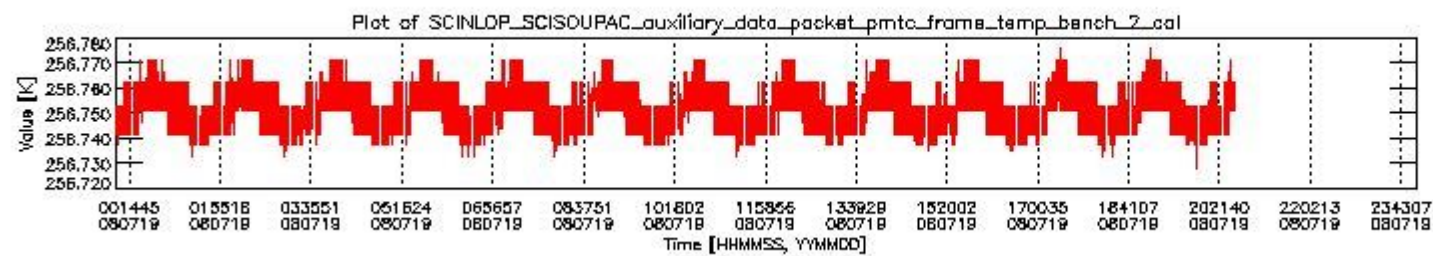
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080718_221941_000062002070_00258_33378_7133.N1	18JUL2008 22:19:41	19JUL2008 00:03:01	0	0	0	0	0
1	SCI_NL__OPNPDE20080719_000137_000060442070_00259_33379_7134.N1	19JUL2008 00:01:37	19JUL2008 01:42:21	0	0	0	0	0
2	SCI_NL__OPNPDE20080719_014053_000047342070_00260_33380_7135.N1	19JUL2008 01:40:53	19JUL2008 02:59:47	0	0	0	0	0
3	SCI_NL__OPNPDE20080719_025839_000058302070_00261_33381_7136.N1	19JUL2008 02:58:39	19JUL2008 04:35:49	0	0	0	0	0
4	SCI_NL__OPNPDE20080719_043549_000061052070_00262_33382_7137.N1	19JUL2008 04:35:49	19JUL2008 06:17:34	0	0	0	0	0
5	SCI_NL__OPNPDK20080719_061734_000041012070_00263_33383_8805.N1	19JUL2008 06:17:34	19JUL2008 07:25:55	0	0	0	0	0
6	SCI_NL__OPNPDK20080719_072459_000061052070_00264_33384_8806.N1	19JUL2008 07:24:59	19JUL2008 09:06:44	0	0	0	0	0
7	SCI_NL__OPNPDK20080719_090644_000059682070_00265_33385_8807.N1	19JUL2008 09:06:44	19JUL2008 10:46:11	0	0	0	0	0
8	SCI_NL__OPNPDK20080719_104503_000059802070_00266_33386_8808.N1	19JUL2008 10:45:03	19JUL2008 12:24:43	0	0	0	0	0
9	SCI_NL__OPNPDK20080719_122443_000060362070_00267_33387_8809.N1	19JUL2008 12:24:43	19JUL2008 14:05:19	0	0	0	0	0
10	SCI_NL__OPNPDK20080719_140410_000058562070_00268_33388_8810.N1	19JUL2008 14:04:10	19JUL2008 15:41:46	0	0	0	0	0
11	SCI_NL__OPNPDK20080719_154146_000059292070_00269_33389_8811.N1	19JUL2008 15:41:46	19JUL2008 17:20:35	0	0	0	0	0
12	SCI_NL__OPNPDK20080719_172035_000058562070_00270_33390_8812.N1	19JUL2008 17:20:35	19JUL2008 18:58:11	0	0	0	0	0
13	SCI_NL__OPNPDK20080719_185702_000060752070_00271_33391_8813.N1	19JUL2008 18:57:02	19JUL2008 20:38:17	0	0	0	0	0

0.2 Product Quality Indicators

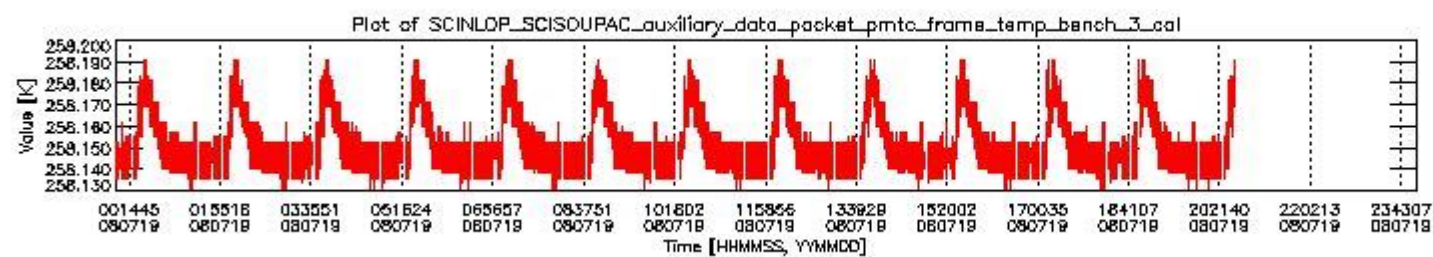
This section shows information about product quality, currently temperatures.



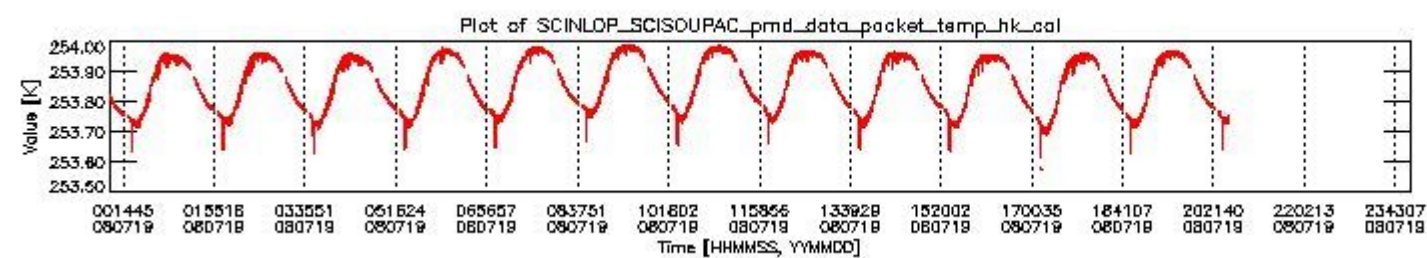
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080719_0.PNG



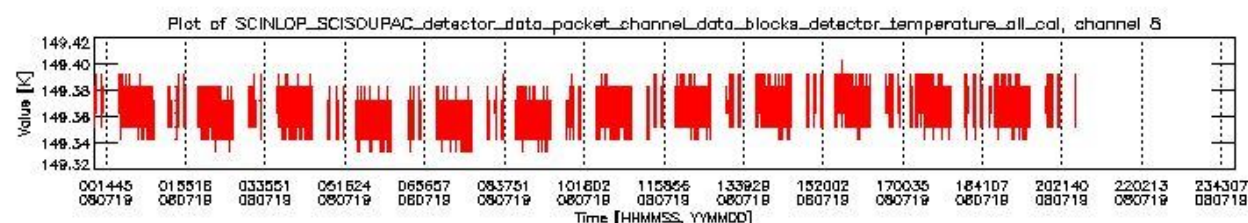
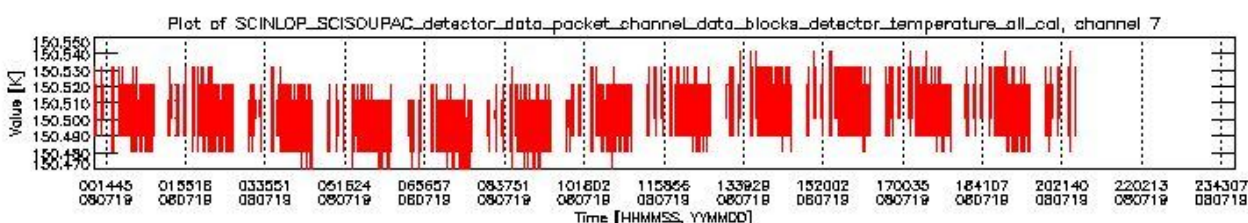
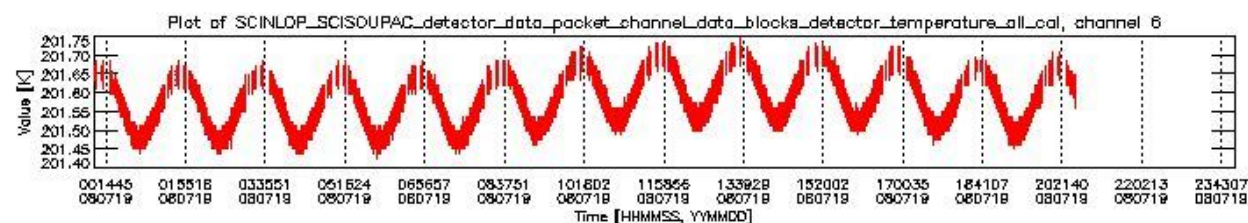
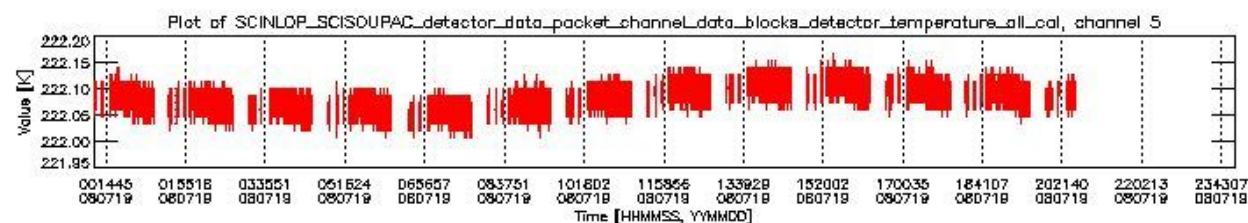
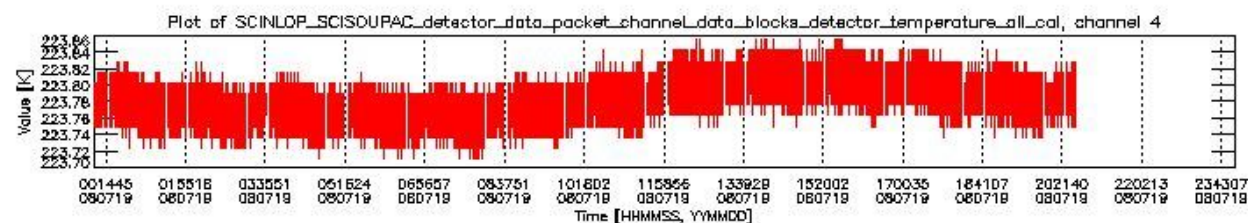
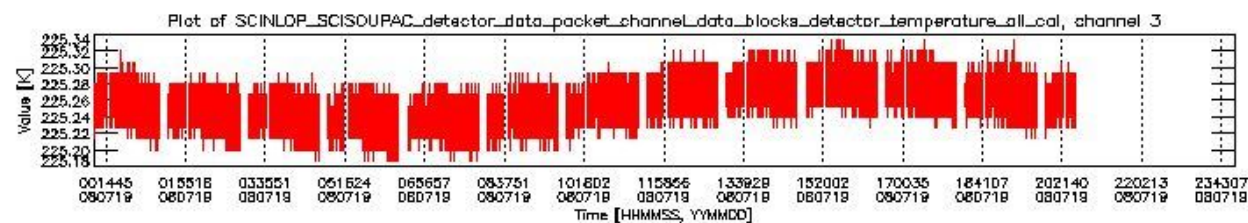
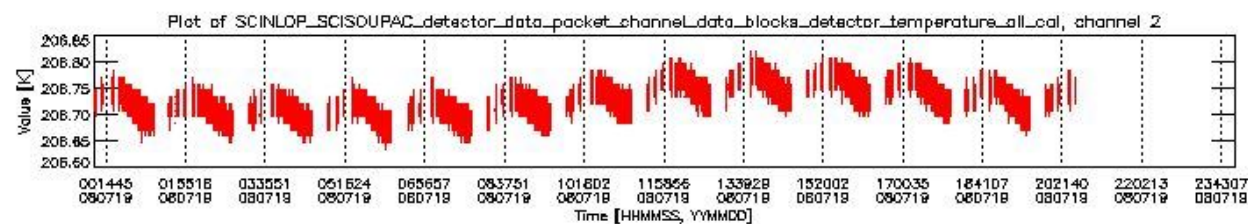
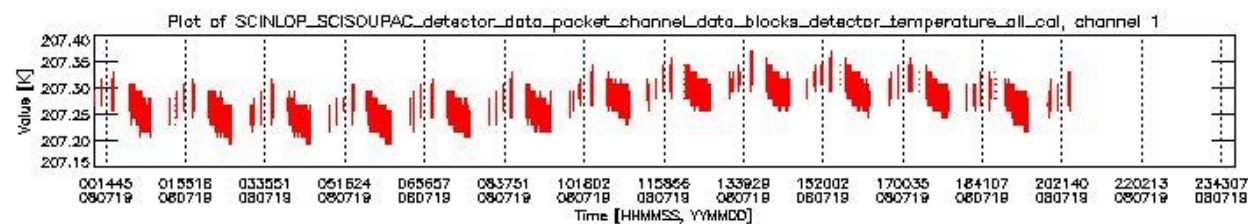
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080719_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080719_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080719_3.PNG

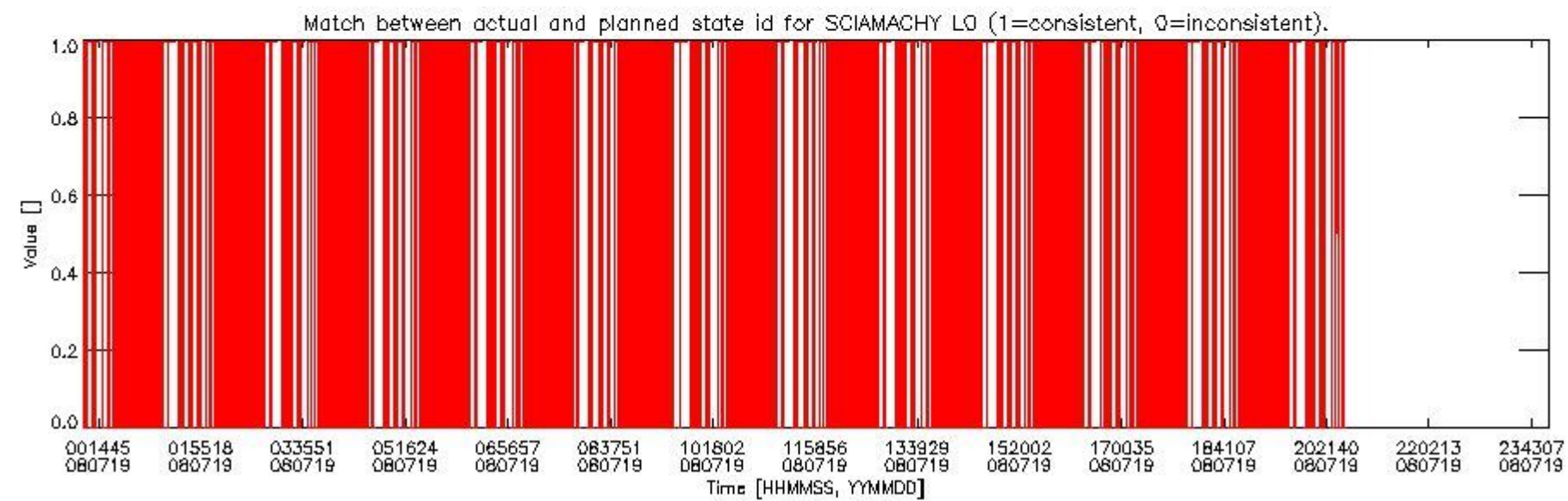
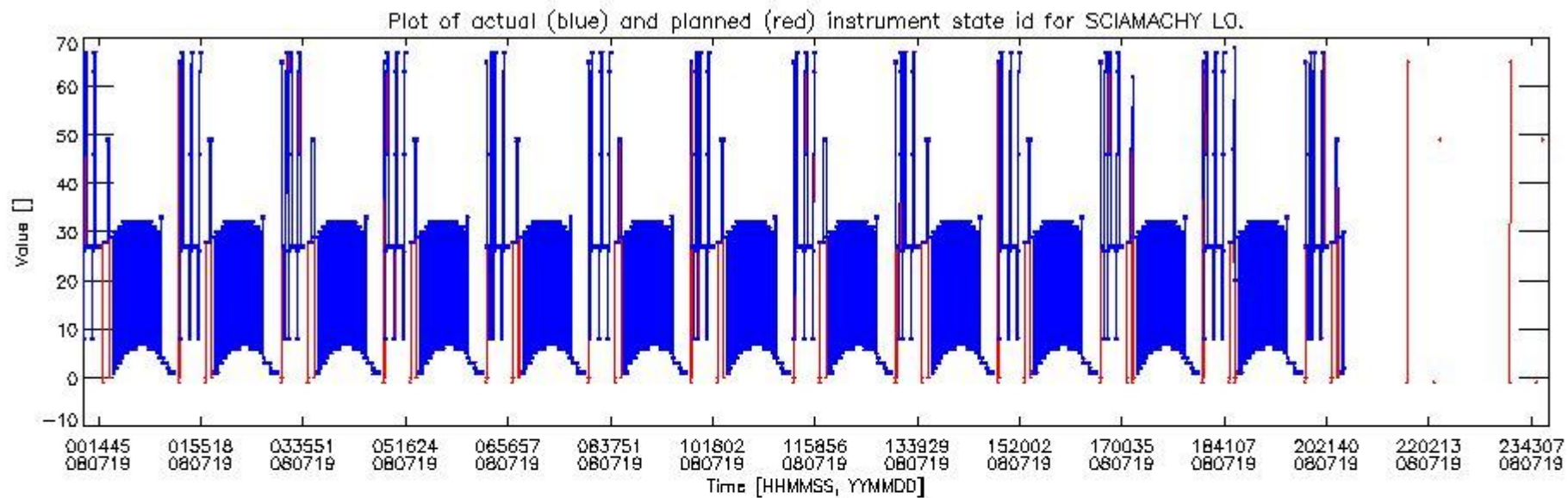


0.3 State monitoring

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: **23622**

#	Actual time	Actual value	Planned time	Planned value
0	19JUL2008 00:00:17.124872	26	19JUL2008 00:00:17.124872	8
1	19JUL2008 00:00:17.749853	26	19JUL2008 00:00:17.749853	8
2	19JUL2008 00:00:18.249871	26	19JUL2008 00:00:18.249871	8
3	19JUL2008 00:00:18.749848	26	19JUL2008 00:00:18.749848	8
4	19JUL2008 00:00:19.249865	26	19JUL2008 00:00:19.249865	8
5	19JUL2008 00:00:19.749883	26	19JUL2008 00:00:19.749883	8
6	19JUL2008 00:00:20.249860	26	19JUL2008 00:00:20.249860	8
7	19JUL2008 00:00:20.749877	26	19JUL2008 00:00:20.749877	8
8	19JUL2008 00:00:21.249855	26	19JUL2008 00:00:21.249855	8
9	19JUL2008 00:00:21.749872	26	19JUL2008 00:00:21.749872	8
10	19JUL2008 00:00:22.124885	26	19JUL2008 00:00:22.124885	8
11	19JUL2008 00:00:22.249849	26	19JUL2008 00:00:22.249849	8
12	19JUL2008 00:00:22.749867	26	19JUL2008 00:00:22.749867	8
13	19JUL2008 00:00:23.249884	26	19JUL2008 00:00:23.249884	8
14	19JUL2008 00:00:23.749861	26	19JUL2008 00:00:23.749861	8
15	19JUL2008 00:00:50.683451	46	19JUL2008 00:00:50.683451	26
16	19JUL2008 00:00:51.308472	46	19JUL2008 00:00:51.308472	26
17	19JUL2008 00:00:51.808450	46	19JUL2008 00:00:51.808450	26
18	19JUL2008 00:00:52.308467	46	19JUL2008 00:00:52.308467	26
19	19JUL2008 00:00:52.808444	46	19JUL2008 00:00:52.808444	26

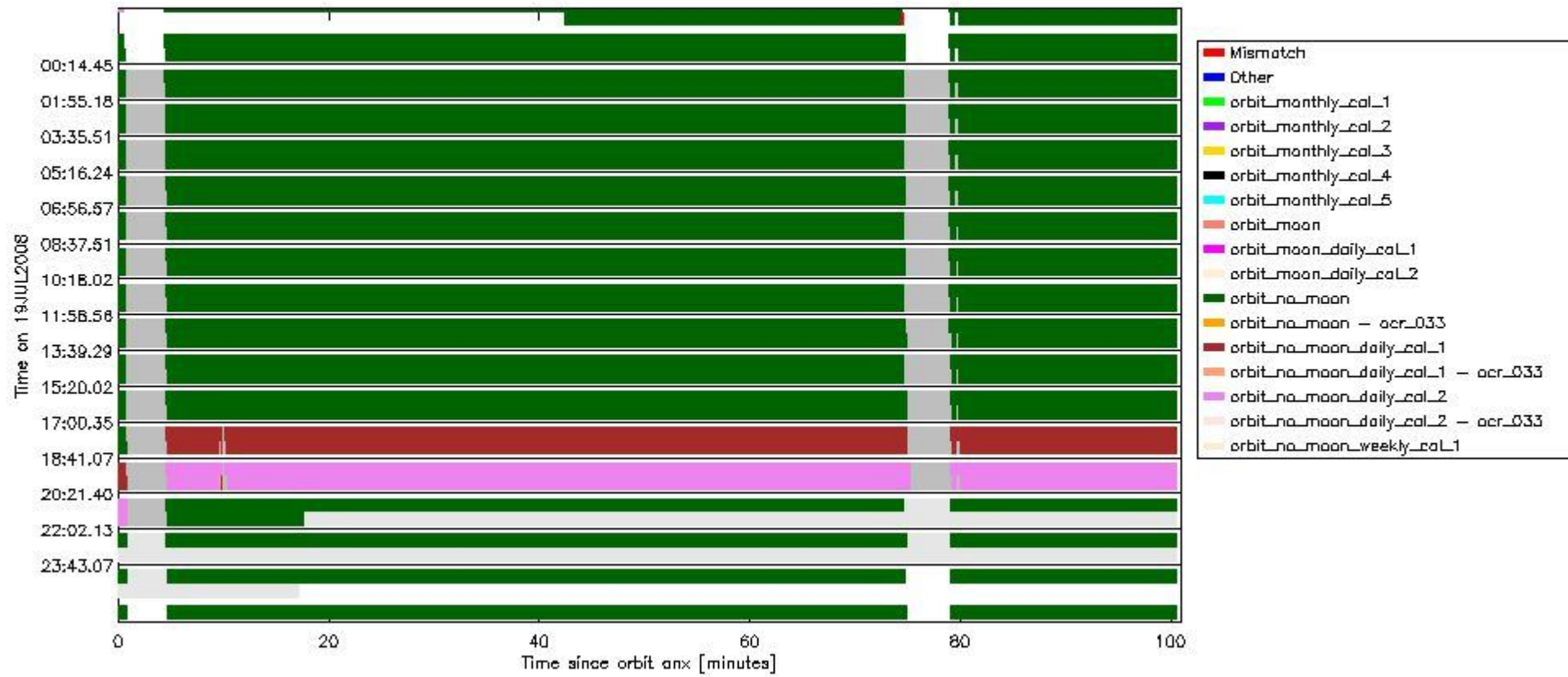


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080719_5.PNG

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 19JUL2008.
 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_20080719_6.PNG

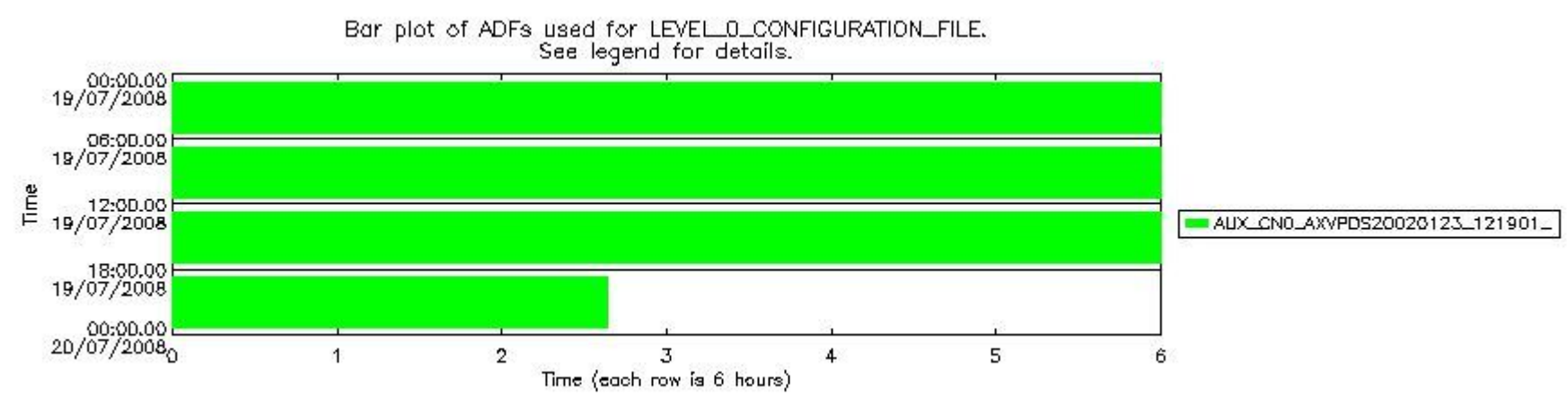
0.4 ADF monitoring

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

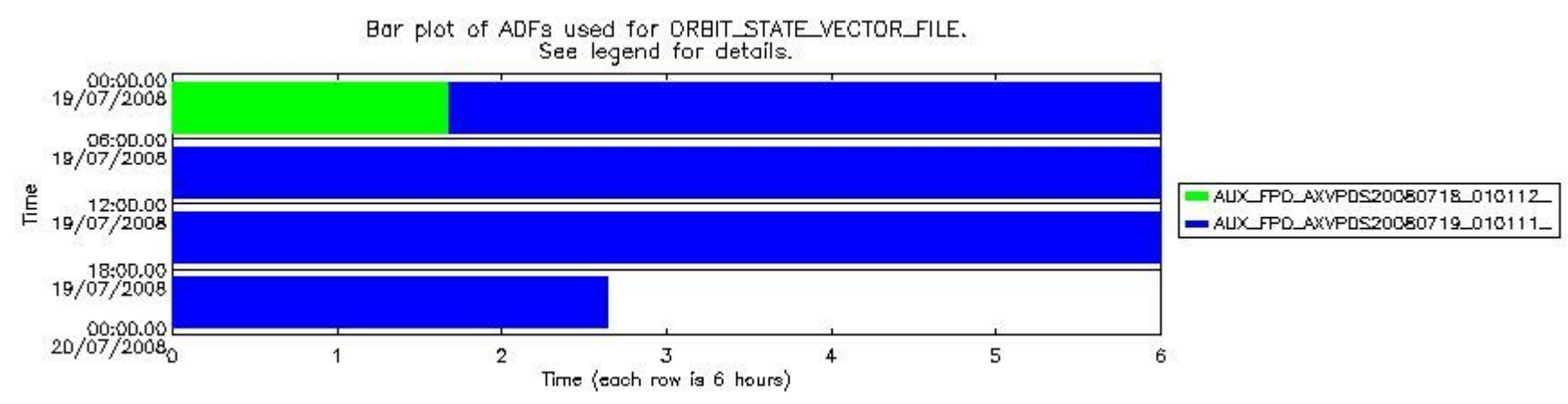
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

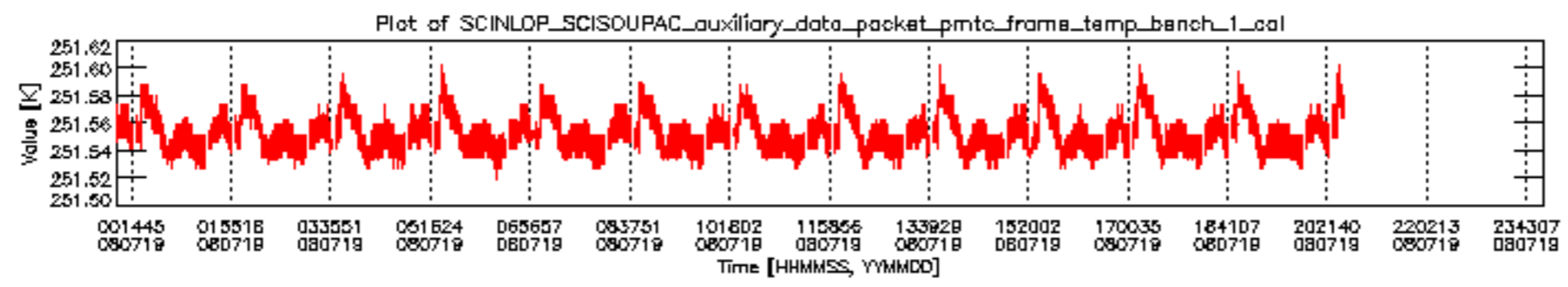
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080718_010112_20080717_194427_20080727_211040
2	AUX_FPO_AXVPDS20080719_010111_20080718_191250_20080728_203903

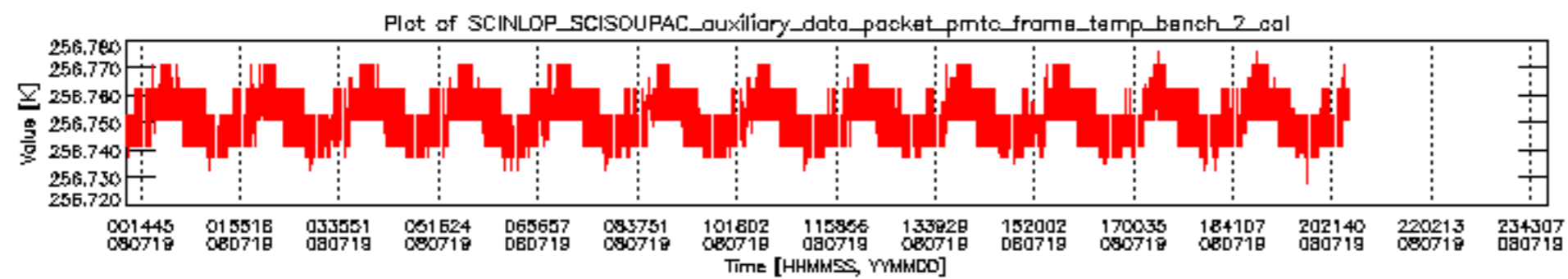


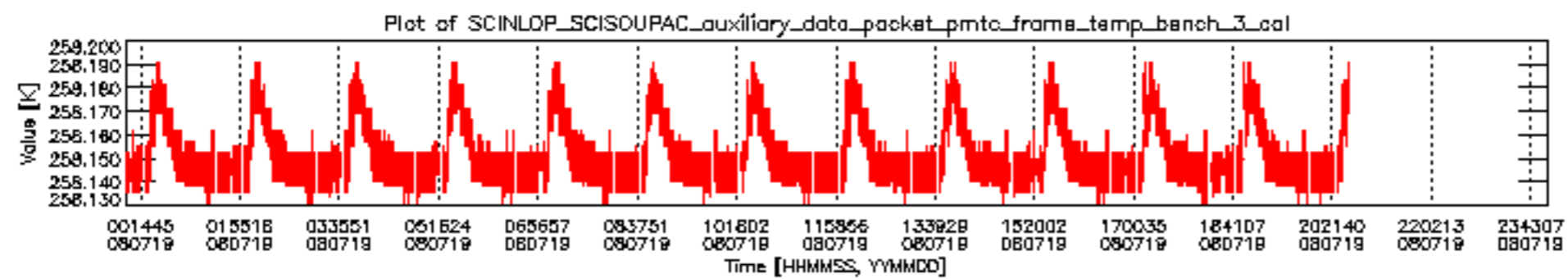
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080719_7.PNG

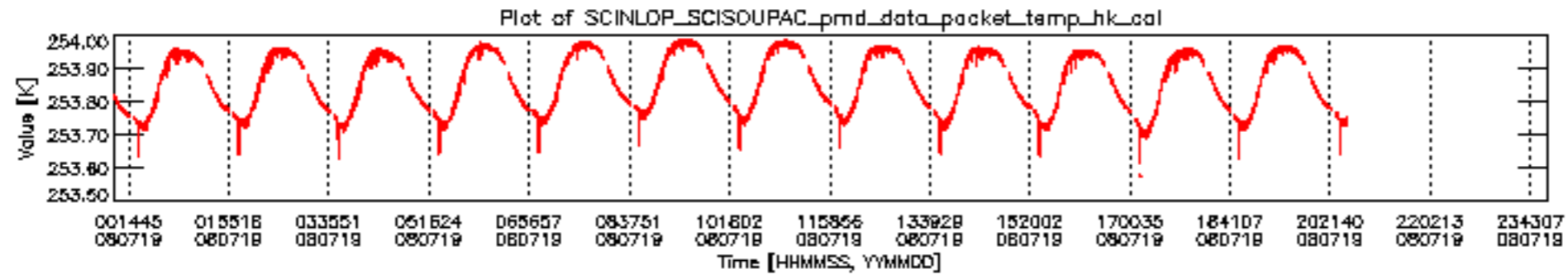


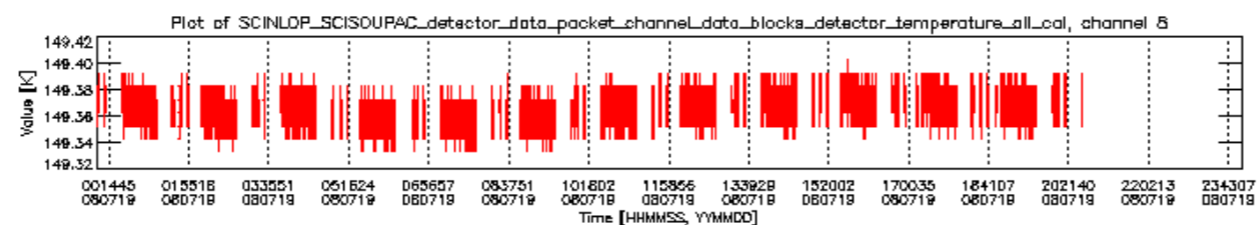
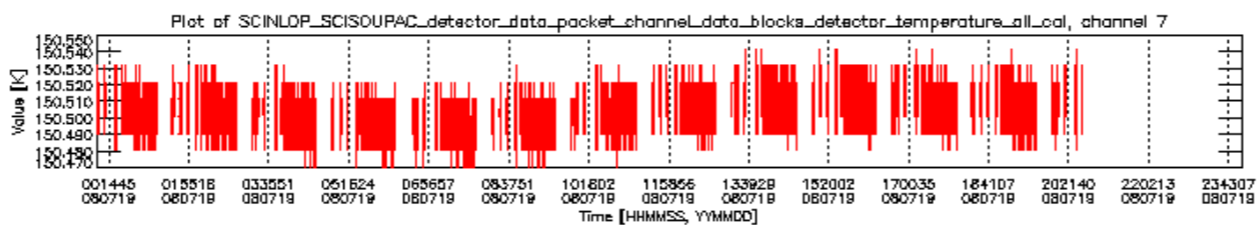
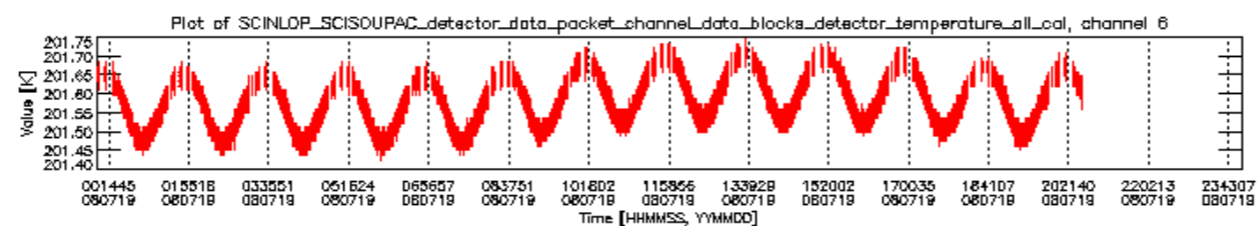
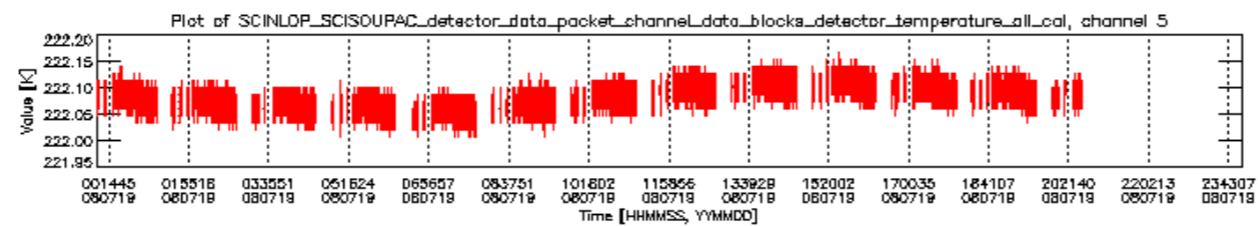
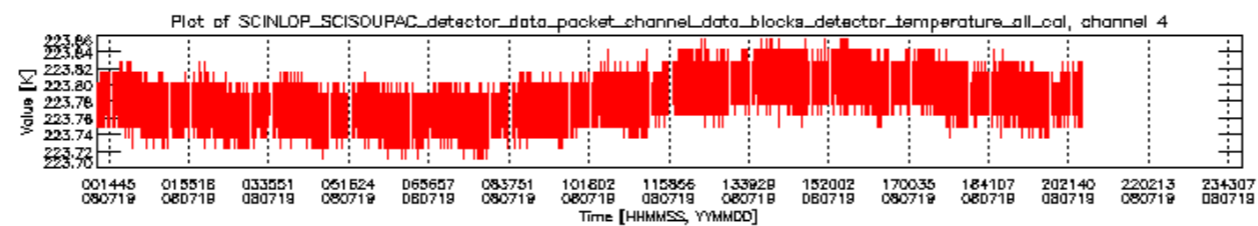
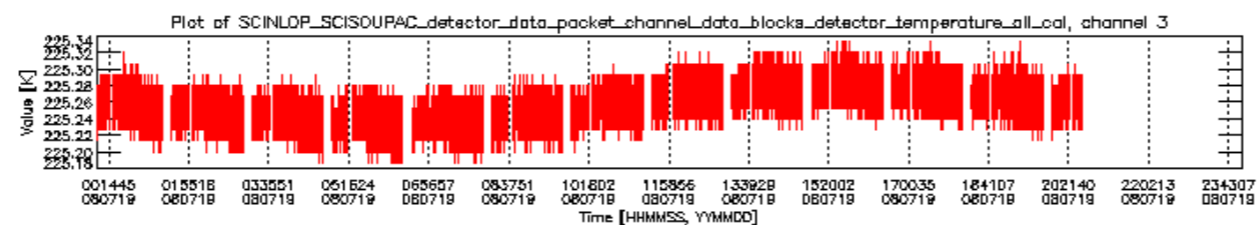
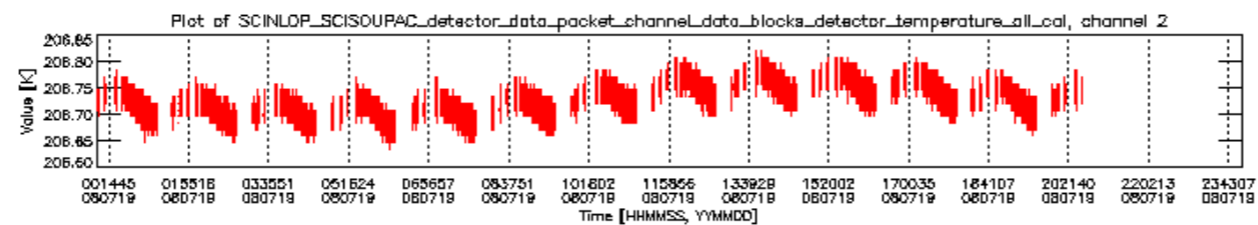
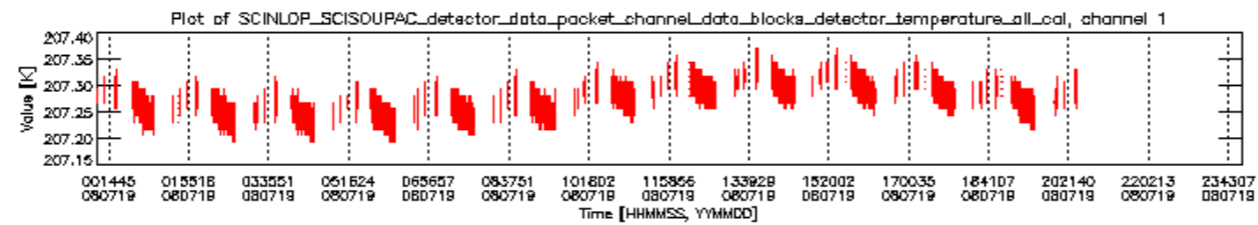
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080719_8.PNG

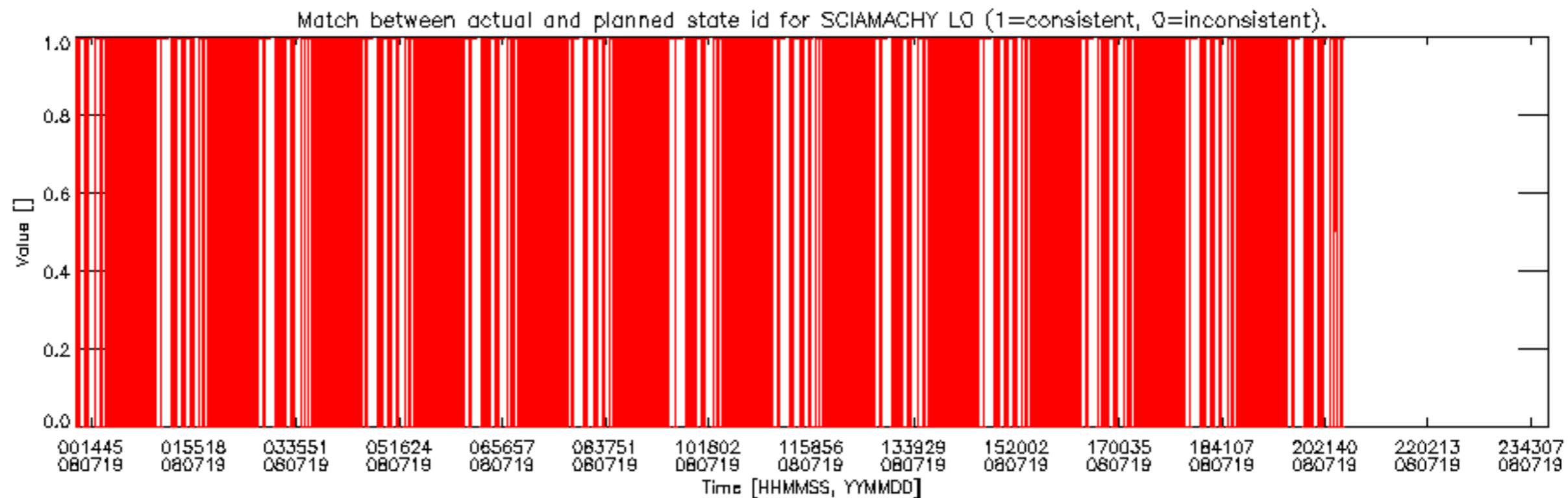
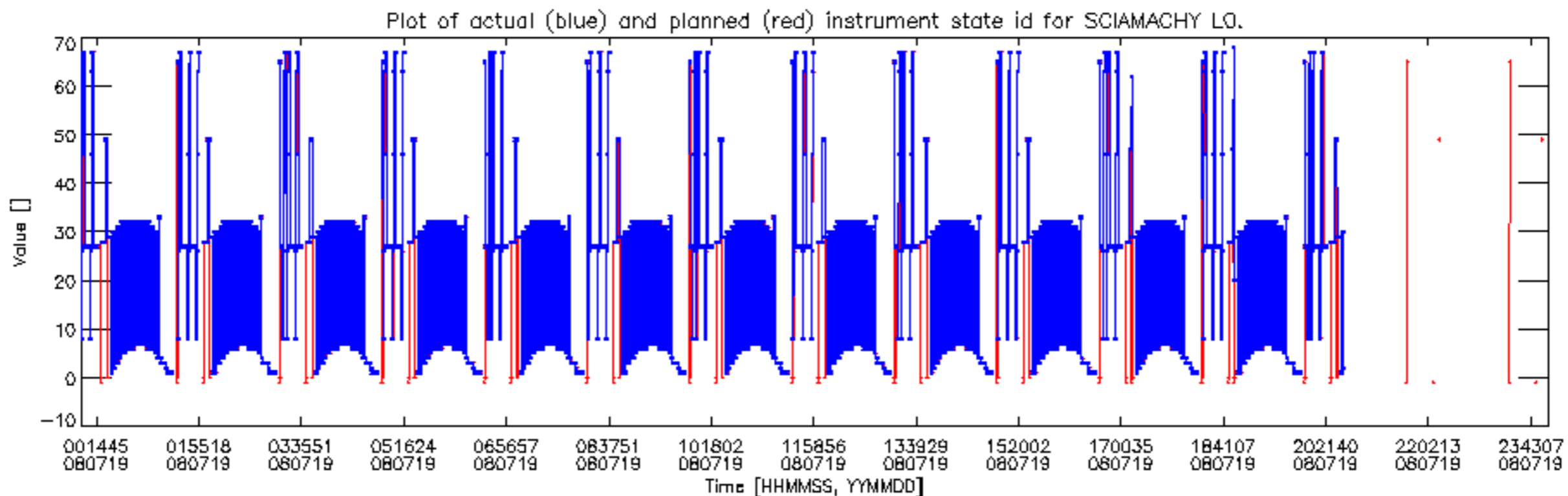












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