

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	01JUL2008 04:54:48
Data source version	KSPT_L0/4303-N
Processing scope for products	27JUN2008 00:00:00 to 28JUN2008 00:00:00
Start time of first product within scope	26JUN2008 23:53:37
Stop time of last product within scope	28JUN2008 01:04:20
Total number of level 0 products	16
Number of level 0 products with errors	0

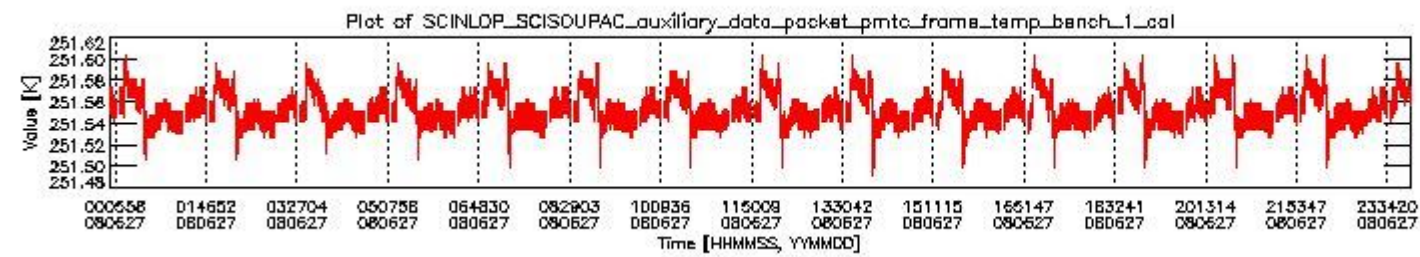
0.1.2 Summary per product

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

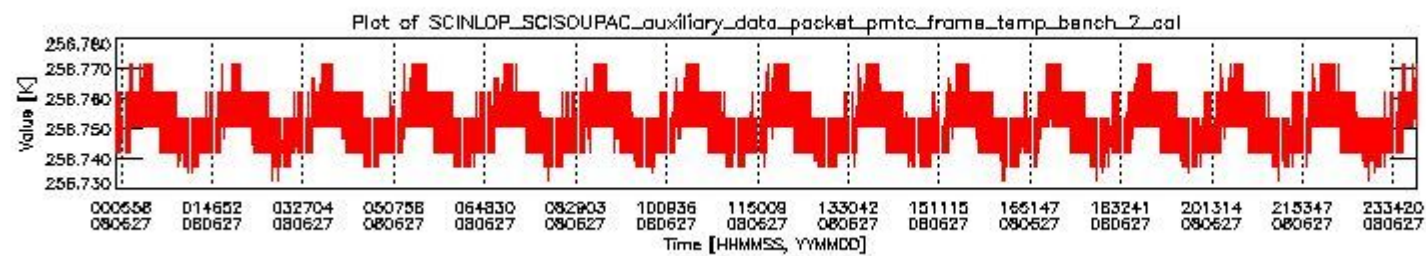
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080626_235337_000059602069_00445_33064_7052.N1	26JUN2008 23:53:37	27JUN2008 01:32:57	0	0	0	0	0
1	SCI_NL__OPNPDE20080627_013129_000047492069_00446_33065_7001.N1	27JUN2008 01:31:29	27JUN2008 02:50:38	0	0	0	0	0
2	SCI_NL__OPNPDE20080627_024930_000058302069_00447_33066_7054.N1	27JUN2008 02:49:30	27JUN2008 04:26:40	0	0	0	0	0
3	SCI_NL__OPNPDE20080627_042640_000061052069_00448_33067_7055.N1	27JUN2008 04:26:40	27JUN2008 06:08:25	0	0	0	0	0
4	SCI_NL__OPNPDK20080627_060825_000041012069_00449_33068_8612.N1	27JUN2008 06:08:25	27JUN2008 07:16:46	0	0	0	0	0
5	SCI_NL__OPNPDK20080627_071550_000061042069_00450_33069_8613.N1	27JUN2008 07:15:50	27JUN2008 08:57:34	0	0	0	0	0
6	SCI_NL__OPNPDK20080627_085626_000060922069_00451_33070_8614.N1	27JUN2008 08:56:26	27JUN2008 10:37:57	0	0	0	0	0
7	SCI_NL__OPNPDK20080627_103757_000059802069_00452_33071_8615.N1	27JUN2008 10:37:57	27JUN2008 12:17:37	0	0	0	0	0
8	SCI_NL__OPNPDK20080627_121629_000059802069_00453_33072_8616.N1	27JUN2008 12:16:29	27JUN2008 13:56:09	0	0	0	0	0
9	SCI_NL__OPNPDK20080627_135609_000058562069_00454_33073_8617.N1	27JUN2008 13:56:09	27JUN2008 15:33:44	0	0	0	0	0
10	SCI_NL__OPNPDK20080627_153344_000058592069_00455_33074_8618.N1	27JUN2008 15:33:44	27JUN2008 17:11:23	0	0	0	0	0
11	SCI_NL__OPNPDK20080627_171014_000059802069_00456_33075_8619.N1	27JUN2008 17:10:14	27JUN2008 18:49:55	0	0	0	0	0
12	SCI_NL__OPNPDK20080627_184859_000059522069_00457_33076_8620.N1	27JUN2008 18:48:59	27JUN2008 20:28:11	0	0	0	0	0
13	SCI_NL__OPNPDE20080627_202702_000044752069_00458_33077_7004.N1	27JUN2008 20:27:02	27JUN2008 21:41:37	0	0	0	0	0
14	SCI_NL__OPNPDE20080627_214053_000060672069_00458_33077_7057.N1	27JUN2008 21:40:53	27JUN2008 23:22:01	0	0	0	0	0
15	SCI_NL__OPNPDE20080627_232037_000062232069_00459_33078_6761.N1	27JUN2008 23:20:37	28JUN2008 01:04:20	0	0	0	0	0

0.2 Product Quality Indicators

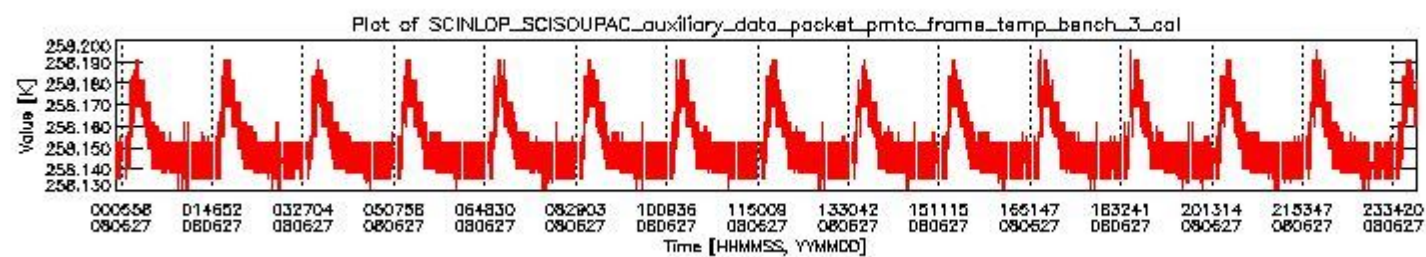
This section shows information about product quality, currently temperatures.



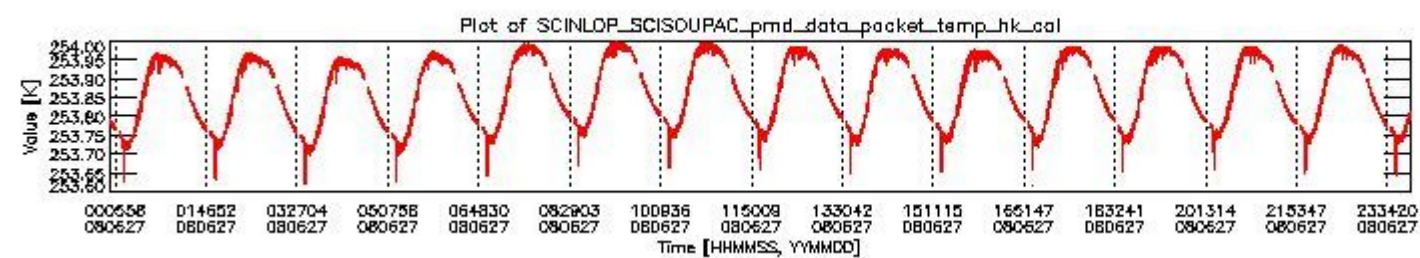
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080627_0.PNG



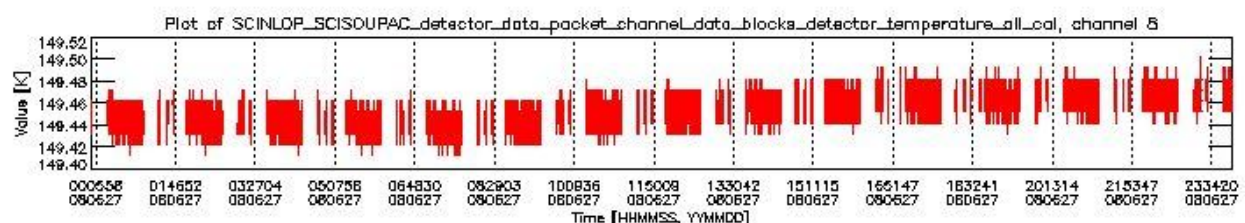
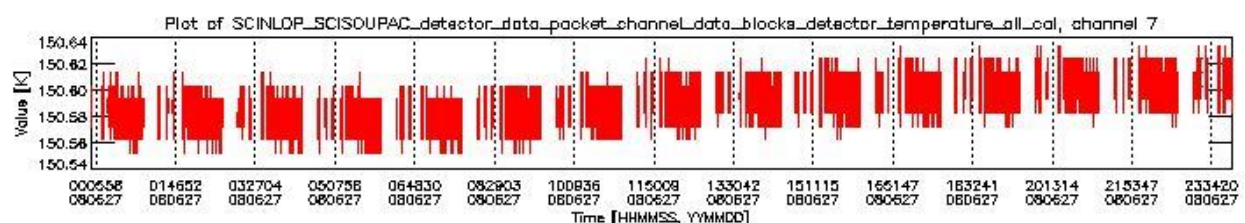
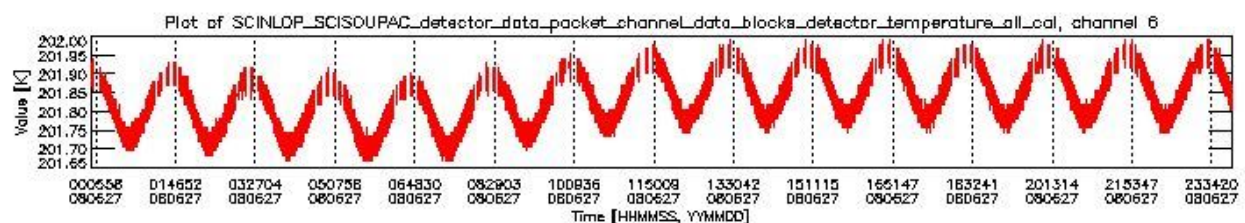
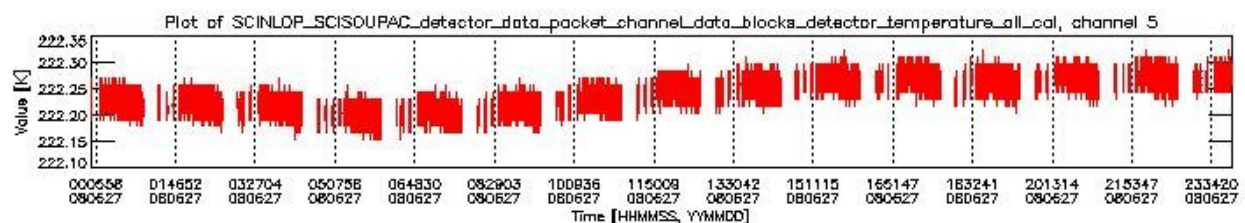
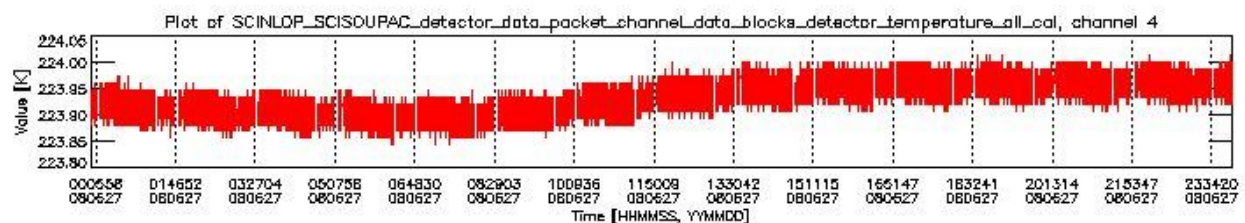
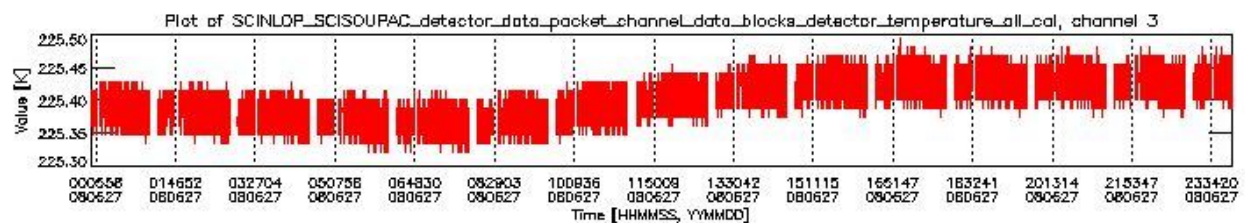
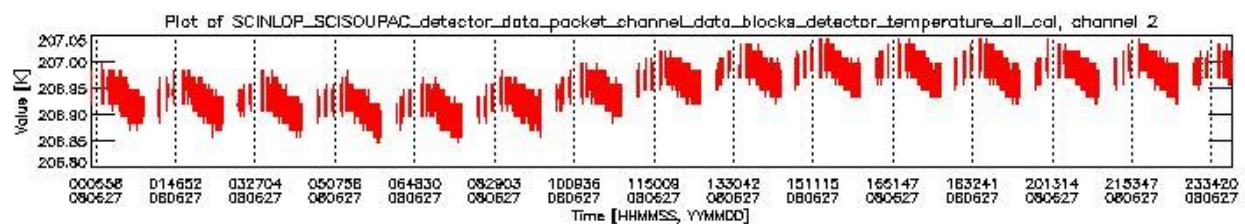
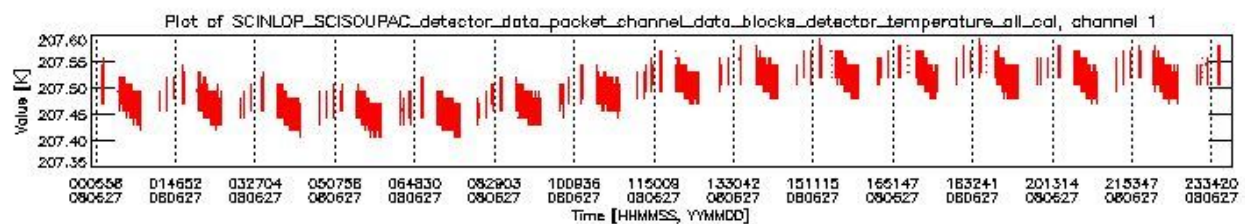
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080627_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080627_3.PNG

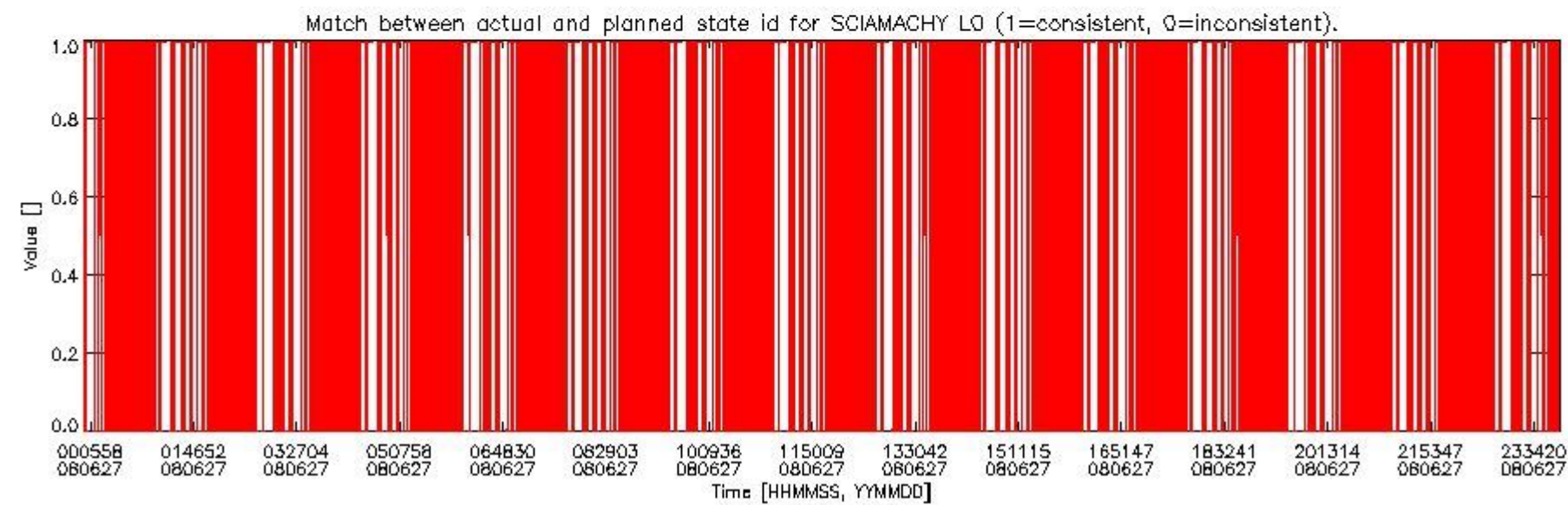
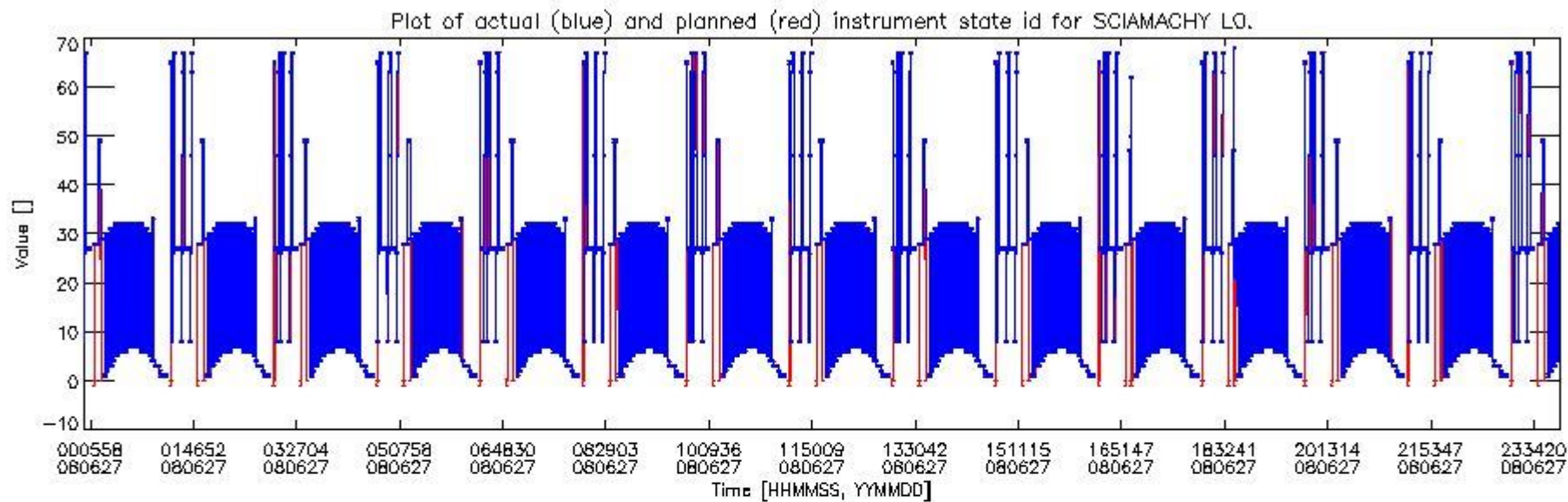


0.3 State monitoring

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: **33391**

#	Actual time	Actual value	Planned time	Planned value
0	27JUN2008 00:00:02.906401	46	27JUN2008 00:00:02.906401	26
1	27JUN2008 00:00:03.531383	46	27JUN2008 00:00:03.531383	26
2	27JUN2008 00:00:04.031400	46	27JUN2008 00:00:04.031400	26
3	27JUN2008 00:00:04.531418	46	27JUN2008 00:00:04.531418	26
4	27JUN2008 00:00:05.031395	46	27JUN2008 00:00:05.031395	26
5	27JUN2008 00:00:05.531412	46	27JUN2008 00:00:05.531412	26
6	27JUN2008 00:00:06.031390	46	27JUN2008 00:00:06.031390	26
7	27JUN2008 00:00:06.531407	46	27JUN2008 00:00:06.531407	26
8	27JUN2008 00:00:07.031384	46	27JUN2008 00:00:07.031384	26
9	27JUN2008 00:00:07.531402	46	27JUN2008 00:00:07.531402	26
10	27JUN2008 00:00:07.906415	46	27JUN2008 00:00:07.906415	26
11	27JUN2008 00:00:08.031419	46	27JUN2008 00:00:08.031419	26
12	27JUN2008 00:00:08.531396	46	27JUN2008 00:00:08.531396	26
13	27JUN2008 00:00:09.031413	46	27JUN2008 00:00:09.031413	26
14	27JUN2008 00:00:09.531391	46	27JUN2008 00:00:09.531391	26
15	27JUN2008 00:00:10.031408	46	27JUN2008 00:00:10.031408	26
16	27JUN2008 00:00:16.468911	63	27JUN2008 00:00:16.468911	46
17	27JUN2008 00:00:17.093892	63	27JUN2008 00:00:17.093892	46
18	27JUN2008 00:00:17.593910	63	27JUN2008 00:00:17.593910	46
19	27JUN2008 00:00:18.093887	63	27JUN2008 00:00:18.093887	46

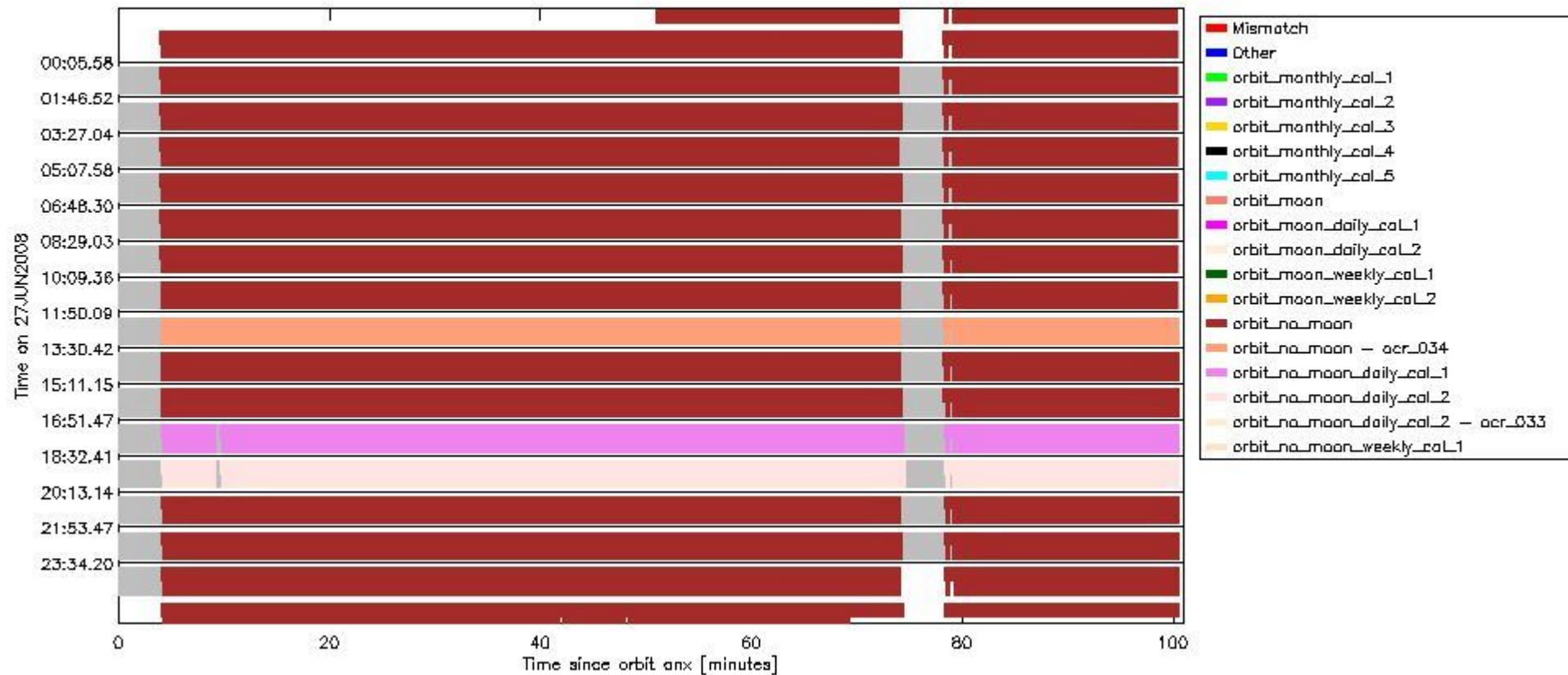


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080627_5.PNG

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 27JUN2008.
 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_20080627_6.PNG

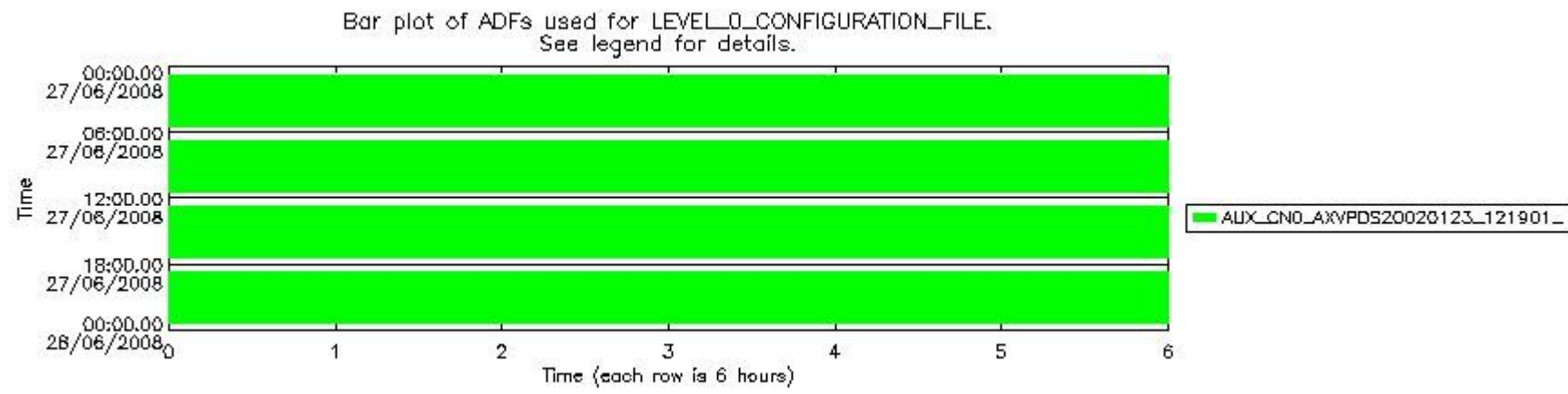
0.4 ADF monitoring

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

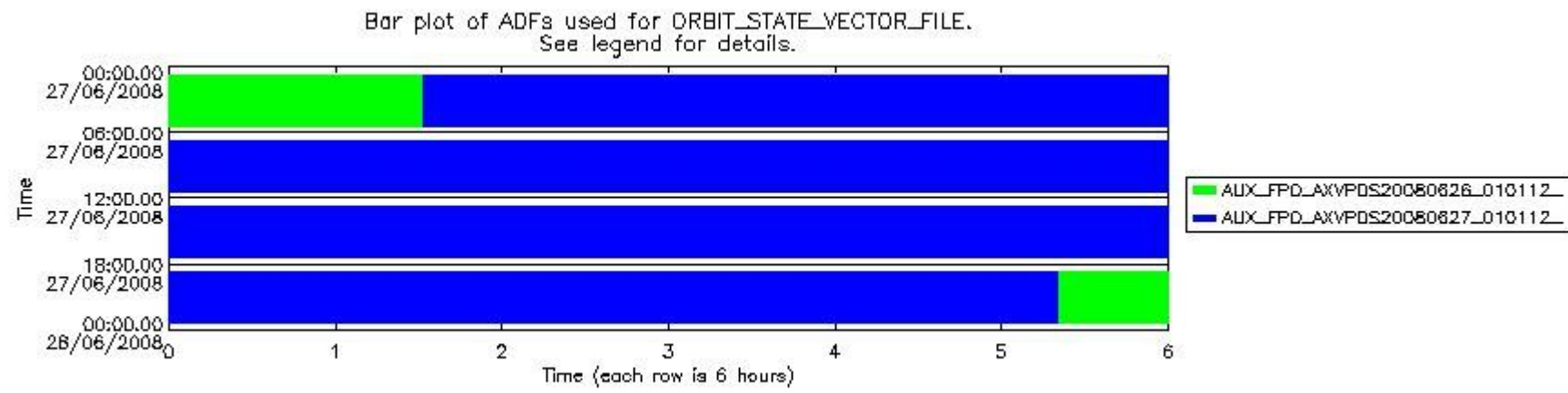
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

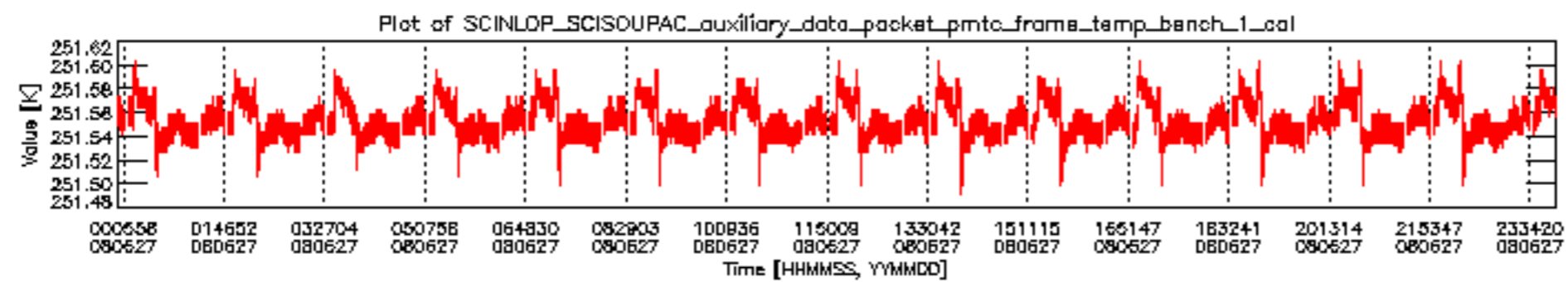
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080626_010112_20080625_193548_20080705_210202
2	AUX_FPO_AXVPDS20080627_010112_20080626_190411_20080706_203025

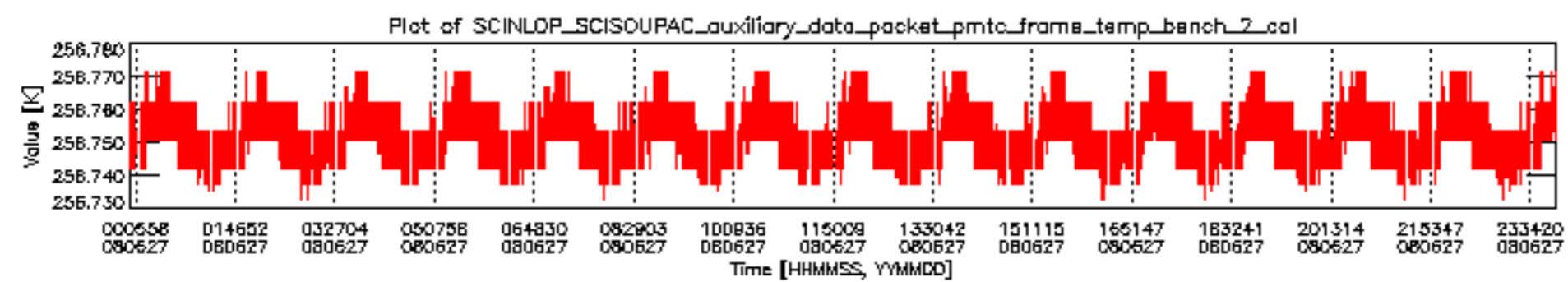


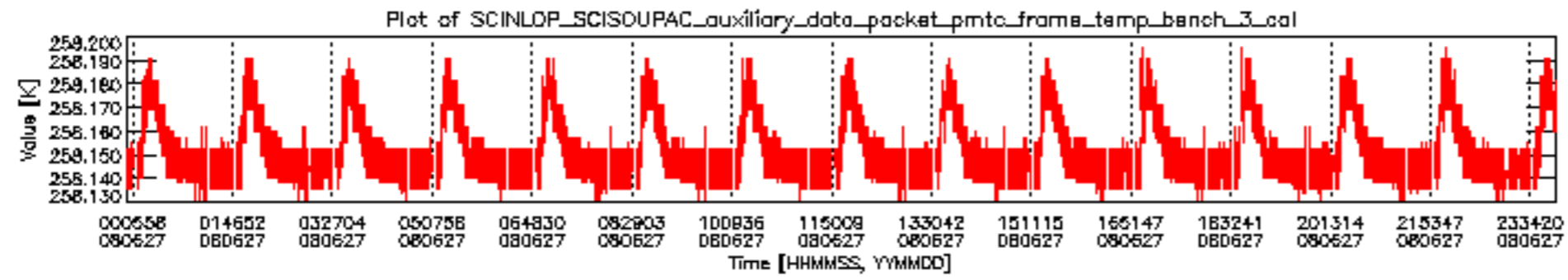
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080627_7.PNG

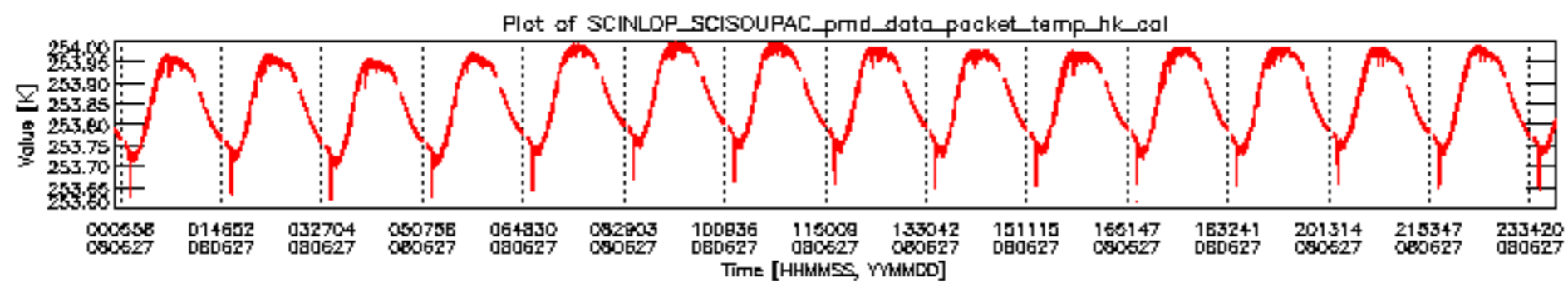


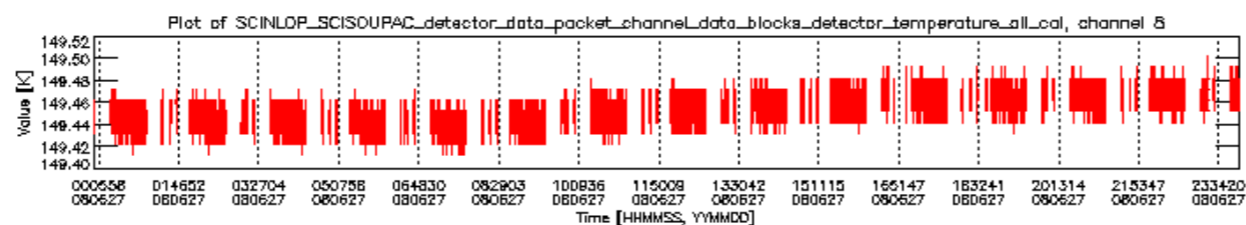
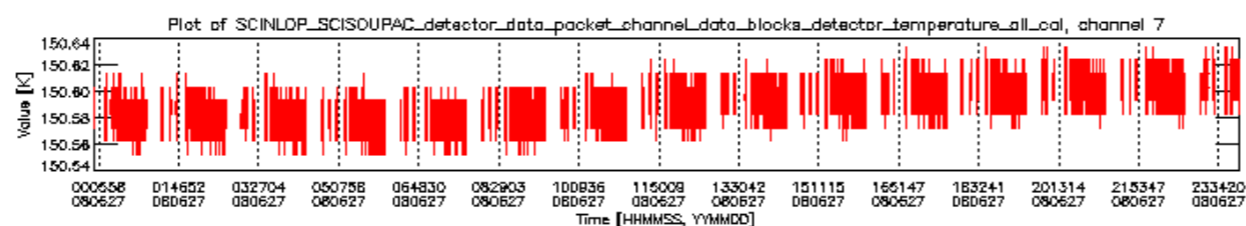
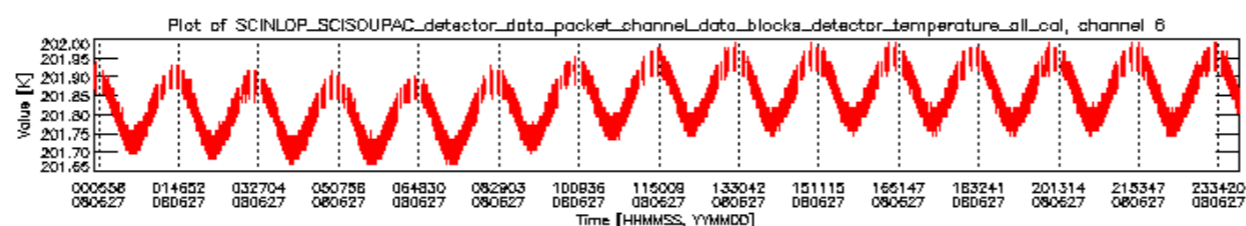
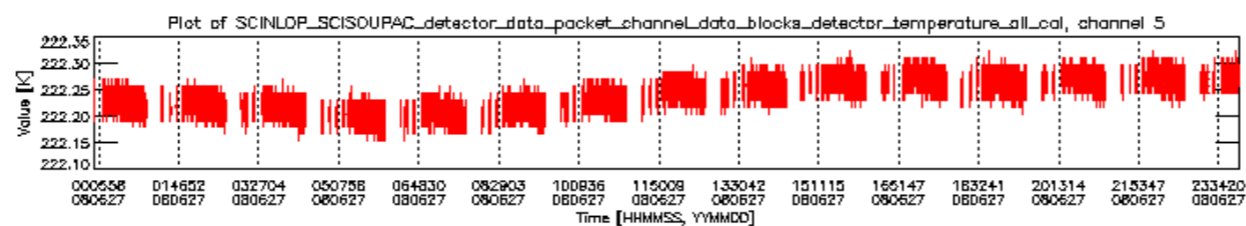
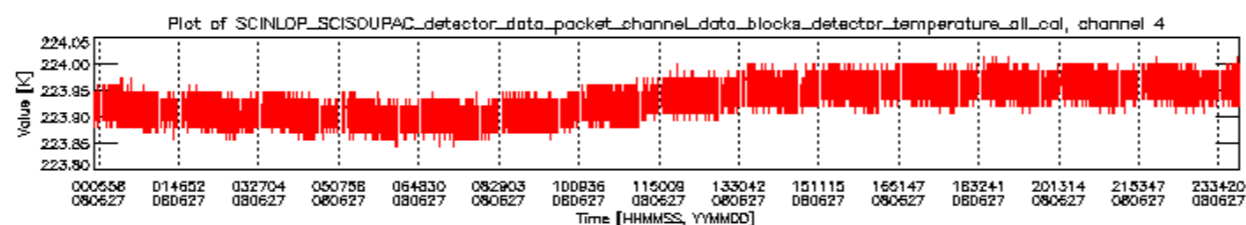
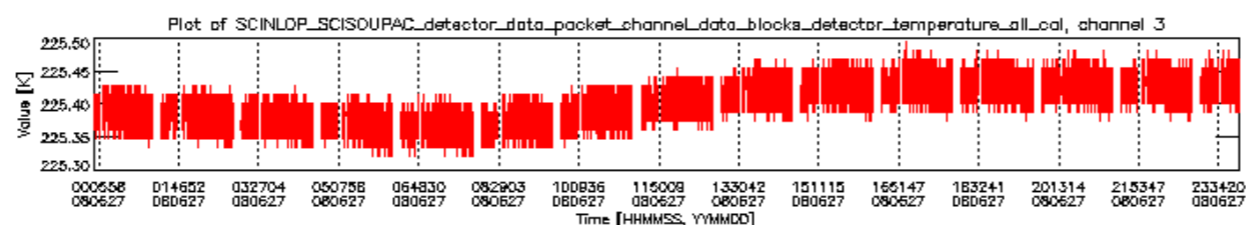
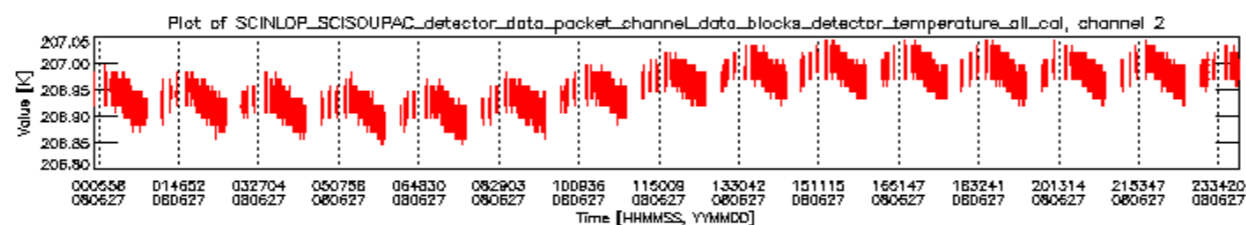
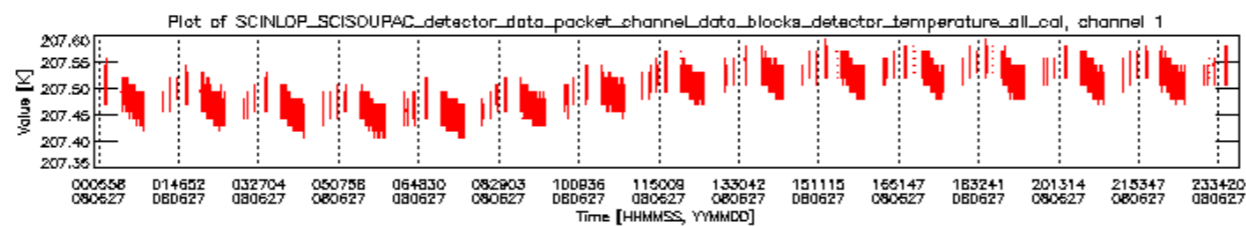
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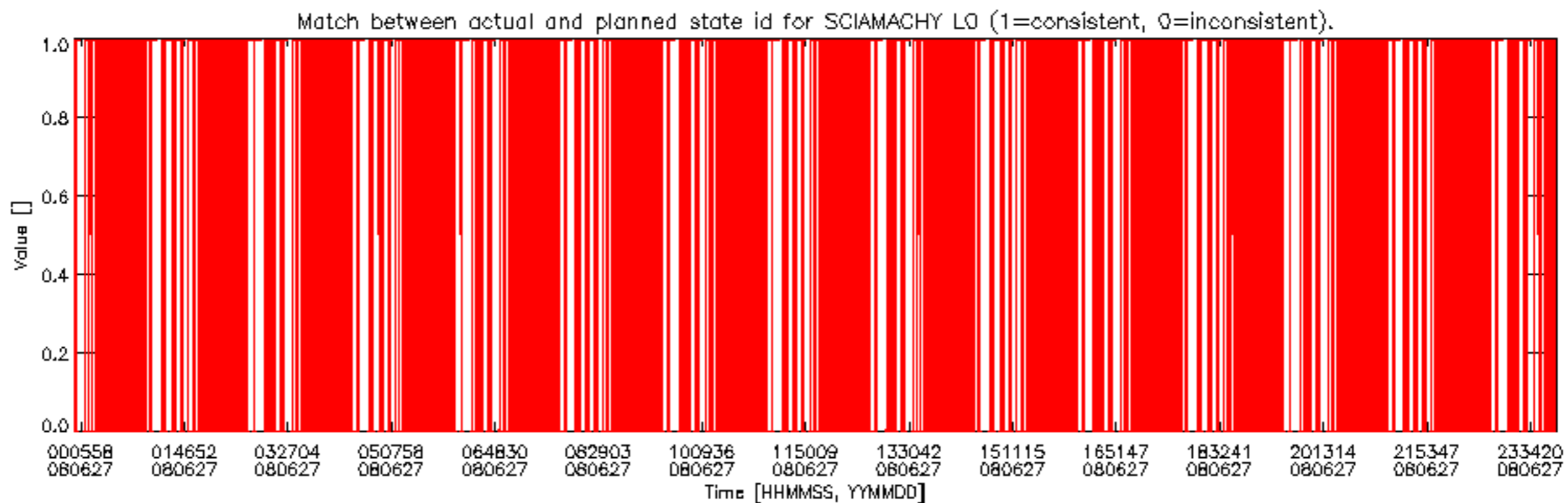
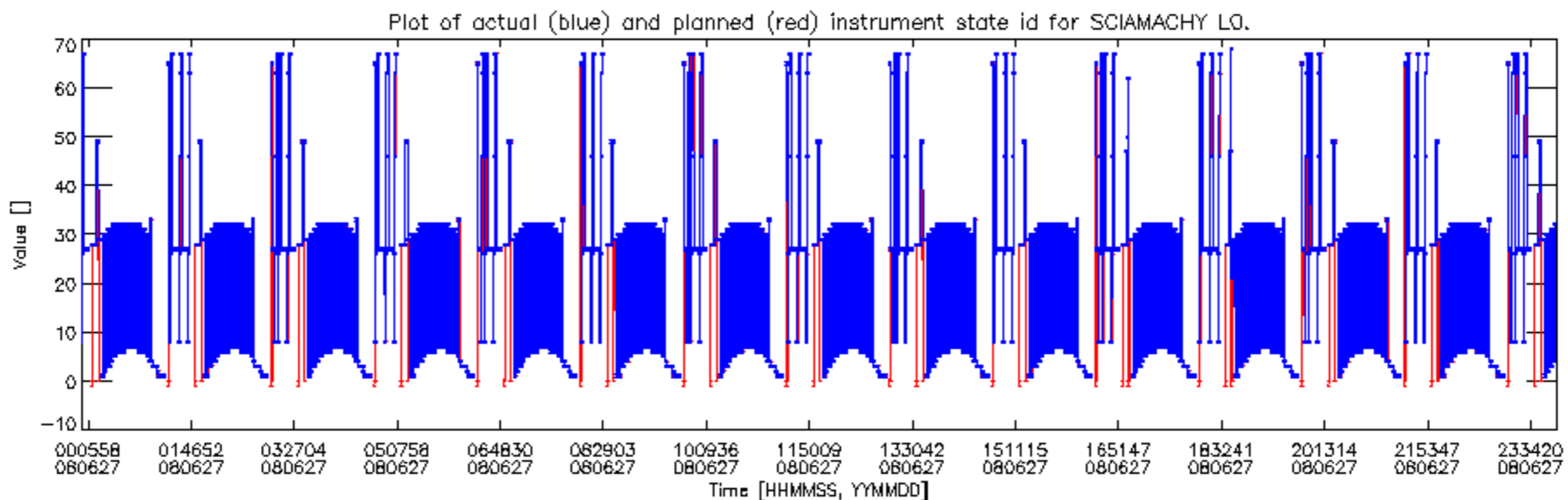












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