

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	31AUG2008 04:22:49
Data source version	KSPT_L0/4303-N
Processing scope for products	27AUG2008 00:00:00 to 28AUG2008 00:00:00
Start time of first product within scope	26AUG2008 23:36:27
Stop time of last product within scope	28AUG2008 00:46:17
Total number of level 0 products	20
Number of level 0 products with errors	8

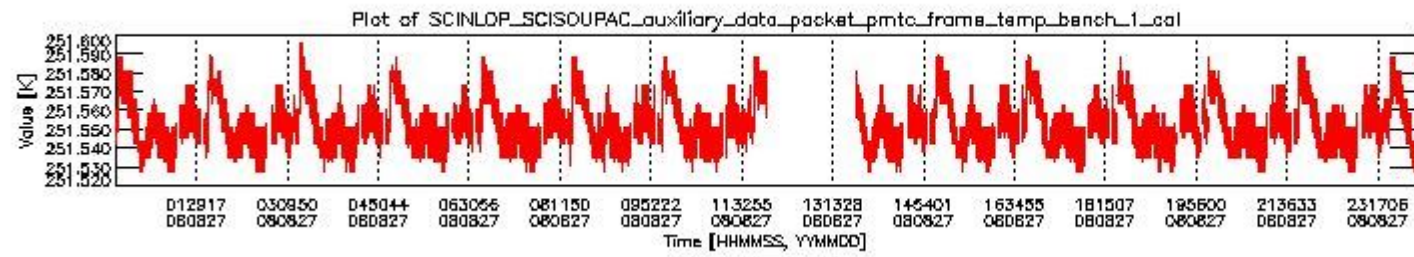
0.1.2 Summary per product

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

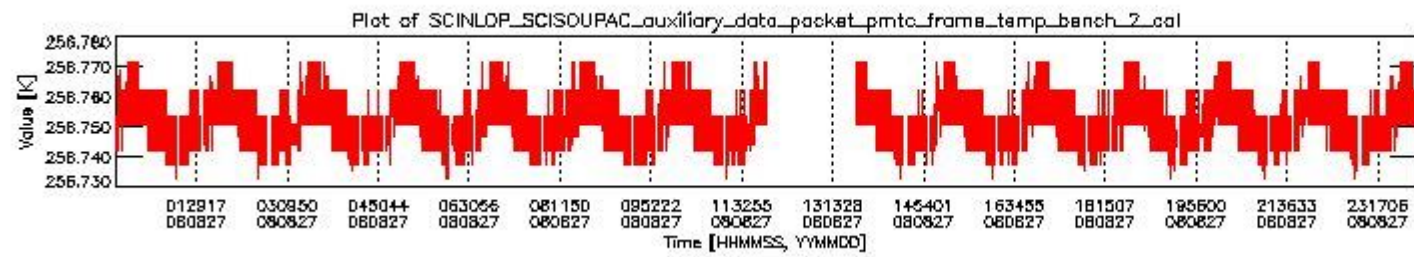
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080826_233627_000059972071_00316_33937_7388.N1	26AUG2008 23:36:27	27AUG2008 01:16:24	0	0	0	0	0
1	SCI_NL__OPNPDE20080827_011624_000046862071_00317_33938_7389.N1	27AUG2008 01:16:24	27AUG2008 02:34:30	0	0	0	0	0
2	SCI_NL__OPNPDE20080827_023430_000057322071_00318_33939_7390.N1	27AUG2008 02:34:30	27AUG2008 04:10:01	0	0	0	0	0
3	SCI_NL__OPNPDE20080827_041001_000060922071_00319_33940_7391.N1	27AUG2008 04:10:01	27AUG2008 05:51:34	0	0	0	0	0
4	SCI_NL__OPNPDE20080827_055134_000061742071_00320_33941_7392.N1	27AUG2008 05:51:34	27AUG2008 07:34:27	0	0	0	0	0
5	SCI_NL__OPNPDK20080827_073319_000039212071_00321_33942_9137.N1	27AUG2008 07:33:19	27AUG2008 08:38:40	0	0	0	0	0
6	SCI_NL__OPNPDK20080827_083840_000061612071_00322_33943_9138.N1	27AUG2008 08:38:40	27AUG2008 10:21:21	1	1	0	0	0
7	SCI_NL__OPNPDK20080827_101712_000006912071_00323_33944_9151.N1	27AUG2008 10:17:12	27AUG2008 10:28:42	0	0	0	0	0
8	SCI_NL__OPNPDK20080827_102025_000003052071_00323_33944_9139.N1	27AUG2008 10:20:25	27AUG2008 10:25:29	0	0	0	0	0
9	SCI_NL__OPNPDK20080827_102529_000056632071_00323_33944_9140.N1	27AUG2008 10:25:29	27AUG2008 11:59:52	1	1	0	0	0
10	SCI_NL__OPNPDK20080827_115952_000059802071_00324_33945_9141.N1	27AUG2008 11:59:52	27AUG2008 13:39:33	1	1	0	0	0
11	SCI_NL__OPNPDK20080827_133824_000059122071_00325_33946_9143.N1	27AUG2008 13:38:24	27AUG2008 15:16:56	1	1	0	0	0
12	SCI_NL__OPNPDK20080827_151452_000059812071_00326_33947_9144.N1	27AUG2008 15:14:52	27AUG2008 16:54:32	1	1	0	0	0
13	SCI_NL__OPNPDK20080827_165324_000059072071_00327_33948_9145.N1	27AUG2008 16:53:24	27AUG2008 18:31:50	1	1	0	0	0
14	SCI_NL__OPNPDK20080827_183055_000005412071_00328_33949_9146.N1	27AUG2008 18:30:55	27AUG2008 18:39:55	0	0	0	0	0
15	SCI_NL__OPNPDK20080827_183055_000060612071_00328_33949_9153.N1	27AUG2008 18:30:55	27AUG2008 20:11:56	1	1	0	0	0
16	SCI_NL__OPNPDK20080827_183955_000055202071_00328_33949_9147.N1	27AUG2008 18:39:55	27AUG2008 20:11:56	1	1	0	0	0
17	SCI_NL__OPNPDE20080827_201004_000044172071_00329_33950_7393.N1	27AUG2008 20:10:04	27AUG2008 21:23:41	0	0	0	0	0
18	SCI_NL__OPNPDE20080827_212341_000060762071_00329_33950_7394.N1	27AUG2008 21:23:41	27AUG2008 23:04:57	0	0	0	0	0
19	SCI_NL__OPNPDE20080827_230413_000061242071_00330_33951_7395.N1	27AUG2008 23:04:13	28AUG2008 00:46:17	0	0	0	0	0

0.2 Product Quality Indicators

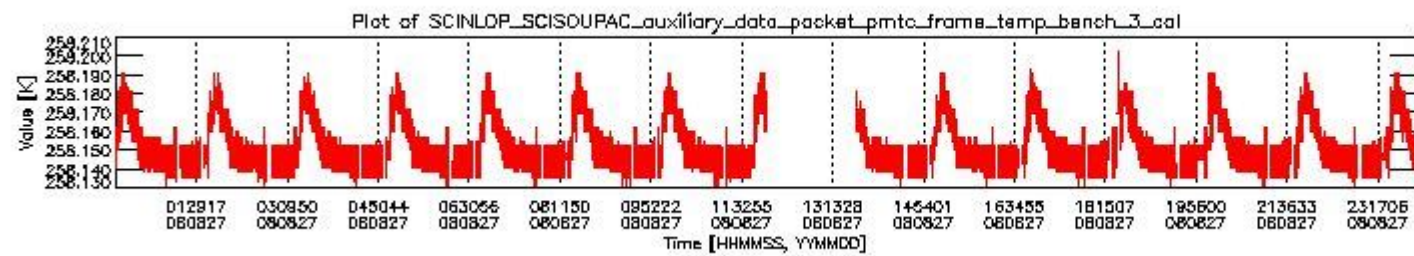
This section shows information about product quality, currently temperatures.



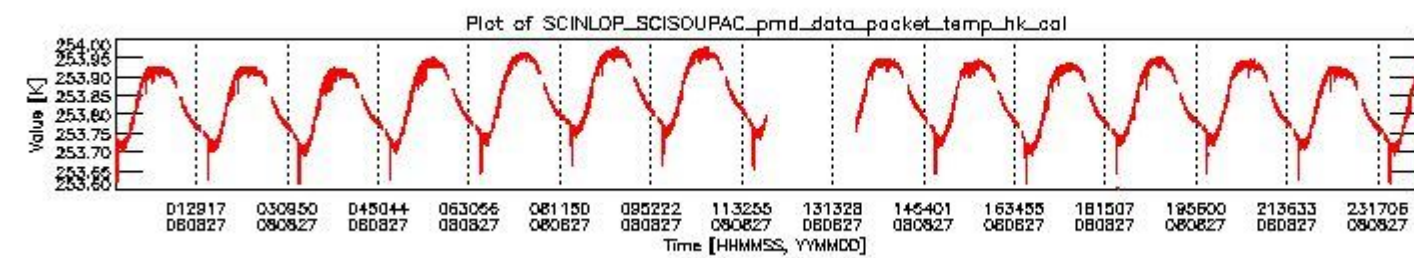
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080827_0.PNG



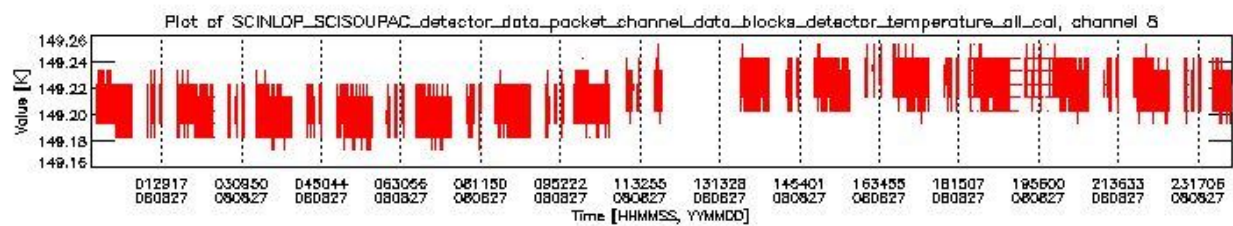
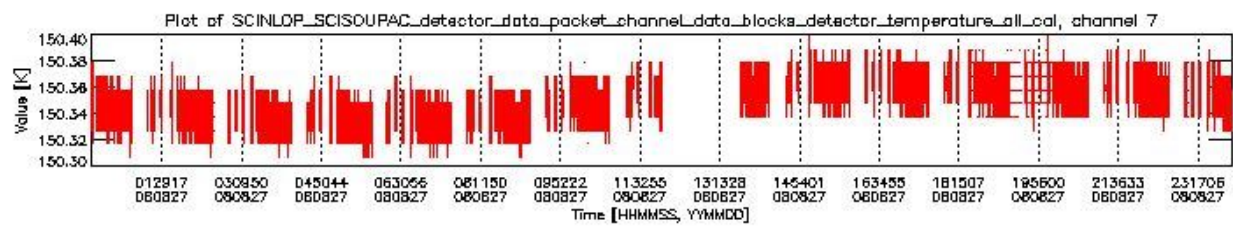
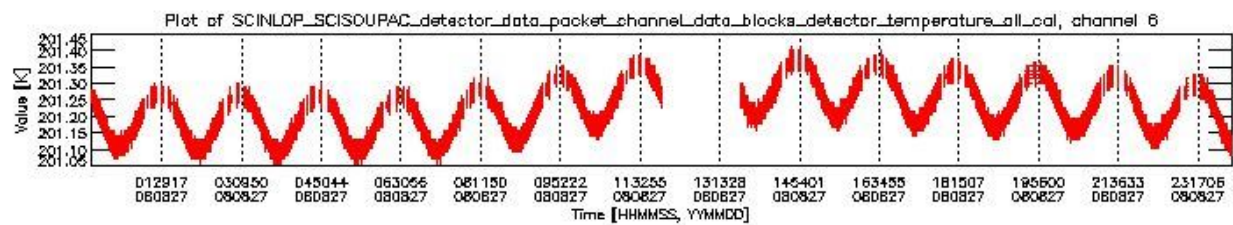
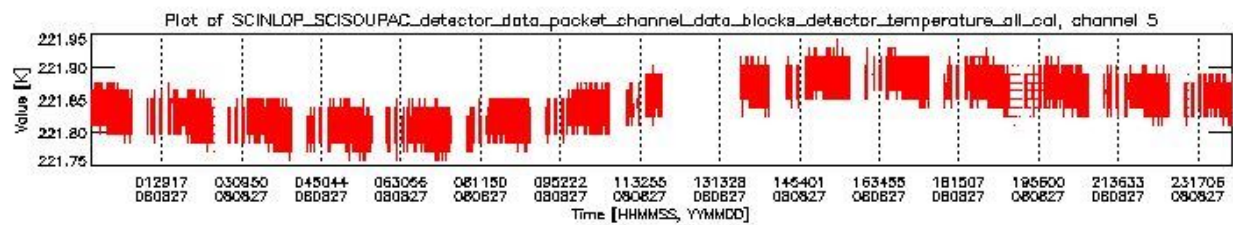
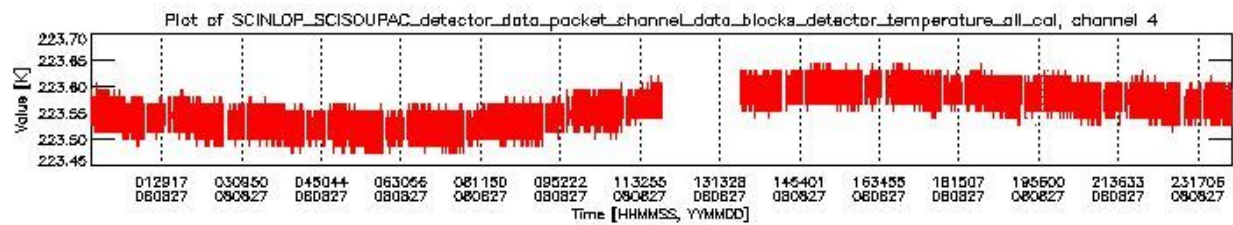
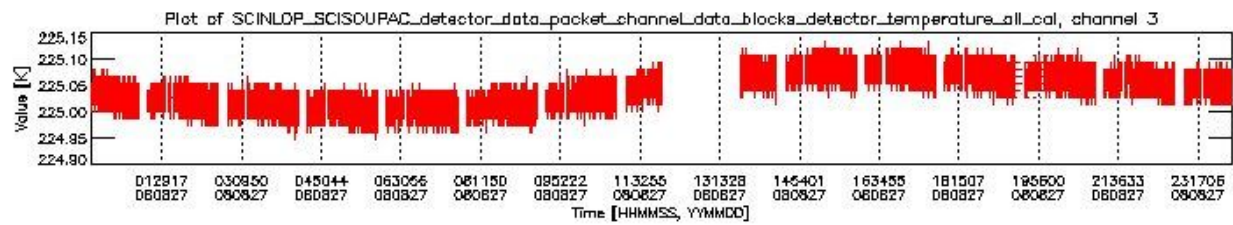
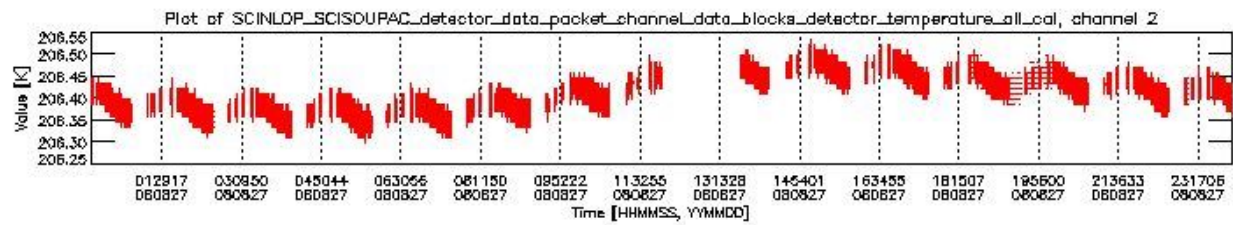
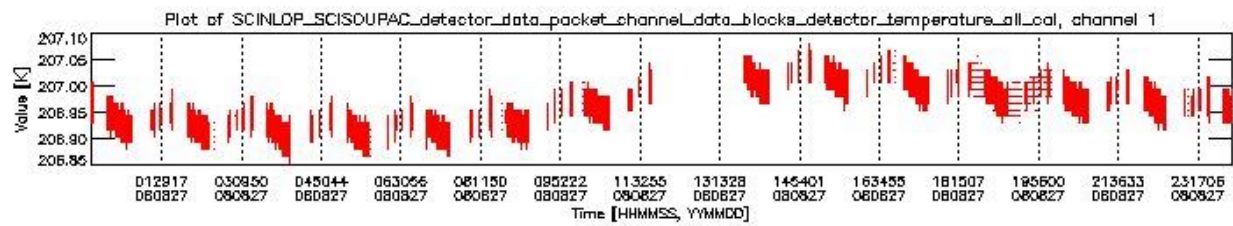
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080827_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080827_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080827_3.PNG

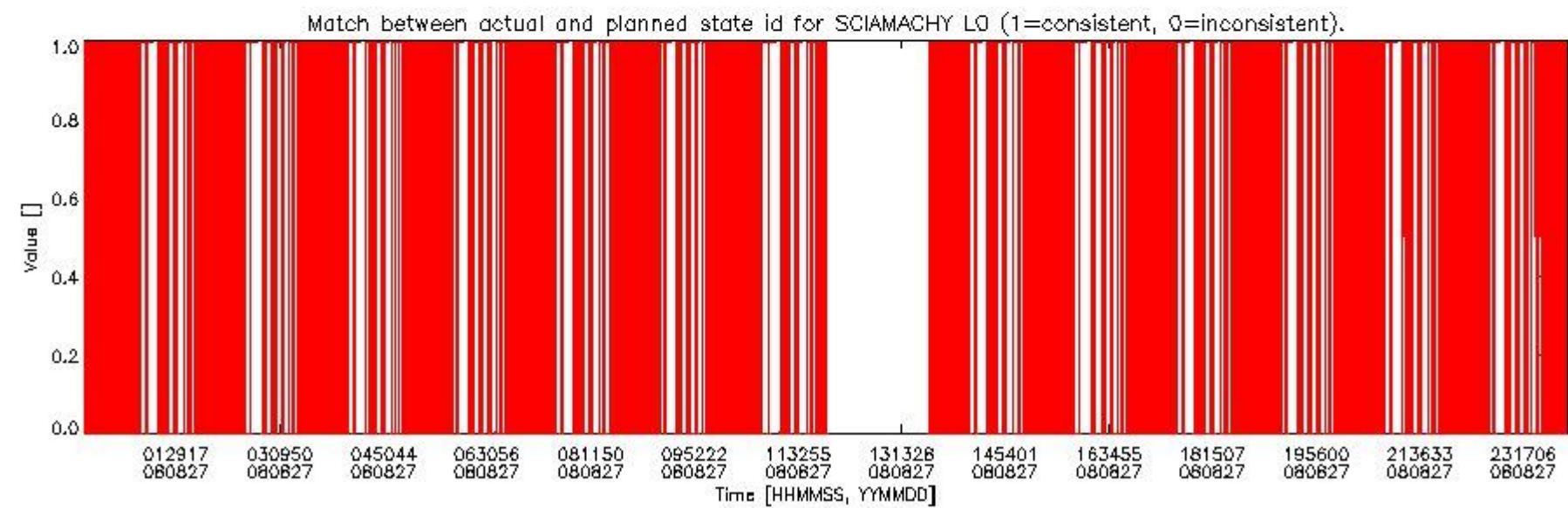
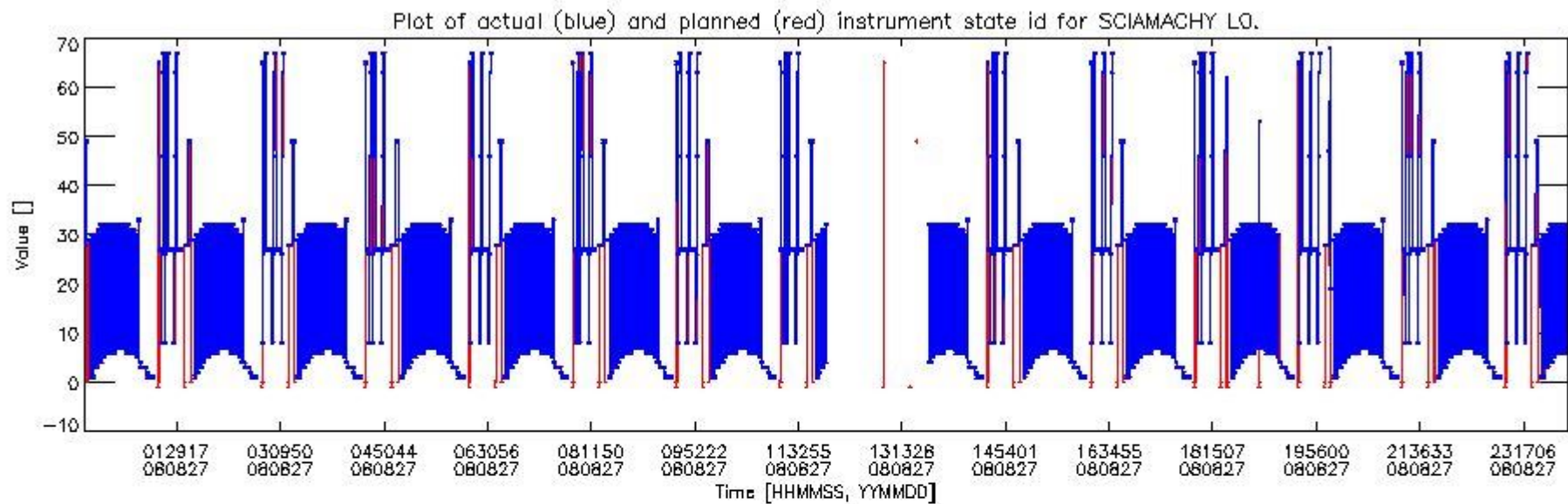


0.3 State monitoring

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: **46308**

#	Actual time	Actual value	Planned time	Planned value
0	27AUG2008 00:00:10.590971	49	27AUG2008 00:00:10.590971	28
1	27AUG2008 00:00:10.778457	49	27AUG2008 00:00:10.778457	28
2	27AUG2008 00:00:10.840939	49	27AUG2008 00:00:10.840939	28
3	27AUG2008 00:00:10.903461	49	27AUG2008 00:00:10.903461	28
4	27AUG2008 00:00:10.965943	49	27AUG2008 00:00:10.965943	28
5	27AUG2008 00:00:11.028466	49	27AUG2008 00:00:11.028466	28
6	27AUG2008 00:00:11.090948	49	27AUG2008 00:00:11.090948	28
7	27AUG2008 00:00:11.153470	49	27AUG2008 00:00:11.153470	28
8	27AUG2008 00:00:11.215952	49	27AUG2008 00:00:11.215952	28
9	27AUG2008 00:00:11.278434	49	27AUG2008 00:00:11.278434	28
10	27AUG2008 00:00:11.340956	49	27AUG2008 00:00:11.340956	28
11	27AUG2008 00:00:11.403438	49	27AUG2008 00:00:11.403438	28
12	27AUG2008 00:00:11.465961	49	27AUG2008 00:00:11.465961	28
13	27AUG2008 00:00:11.528443	49	27AUG2008 00:00:11.528443	28
14	27AUG2008 00:00:11.590965	49	27AUG2008 00:00:11.590965	28
15	27AUG2008 00:00:11.653447	49	27AUG2008 00:00:11.653447	28
16	27AUG2008 00:00:11.715969	49	27AUG2008 00:00:11.715969	28
17	27AUG2008 00:00:11.778452	49	27AUG2008 00:00:11.778452	28
18	27AUG2008 00:00:11.840934	49	27AUG2008 00:00:11.840934	28
19	27AUG2008 00:00:11.903456	49	27AUG2008 00:00:11.903456	28

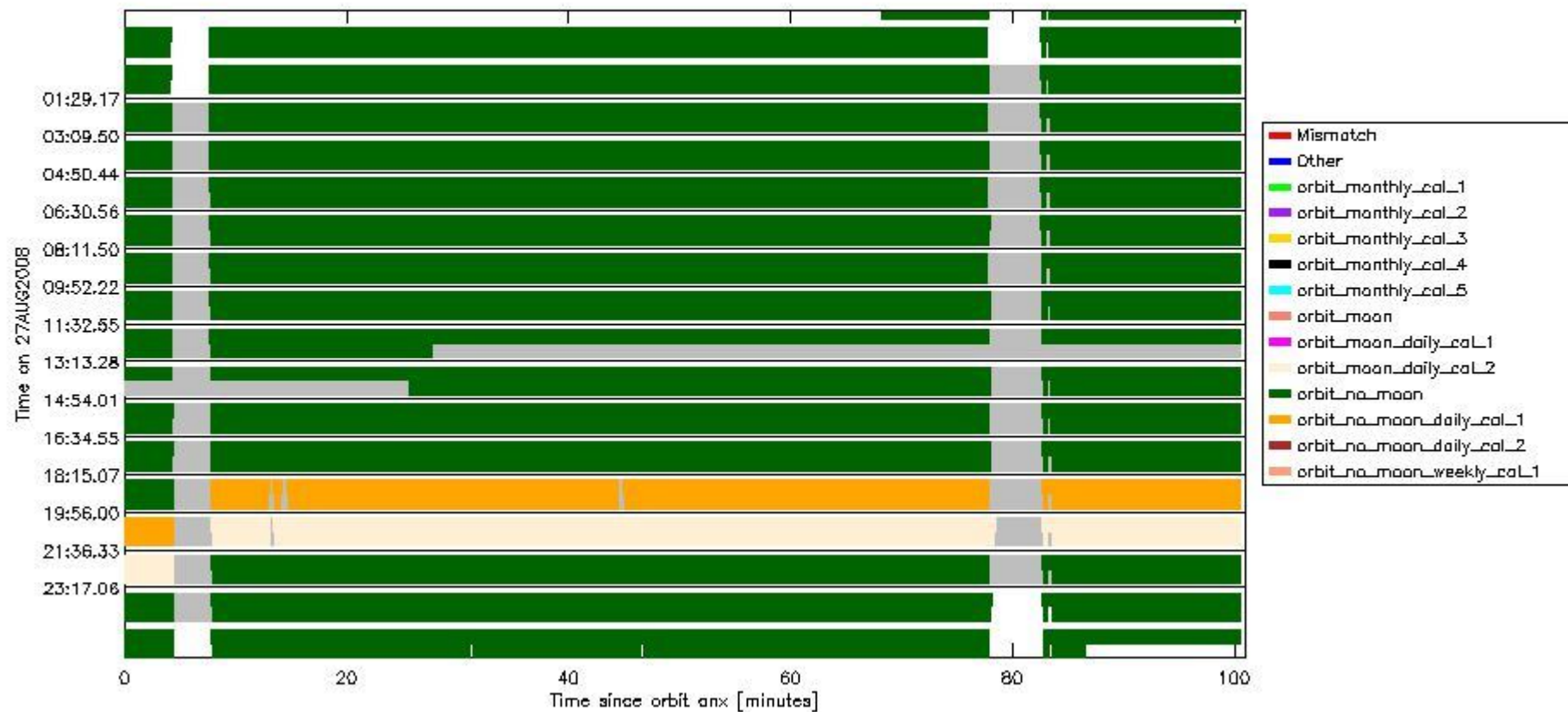


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080827_5.PNG

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 27AUG2008.
 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_20080827_6.PNG

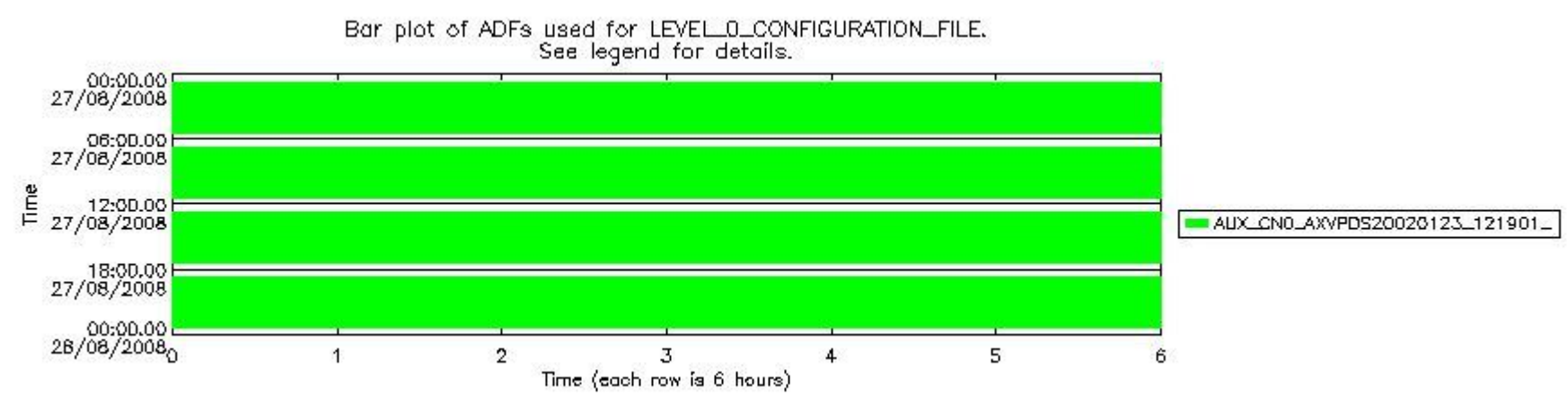
0.4 ADF monitoring

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

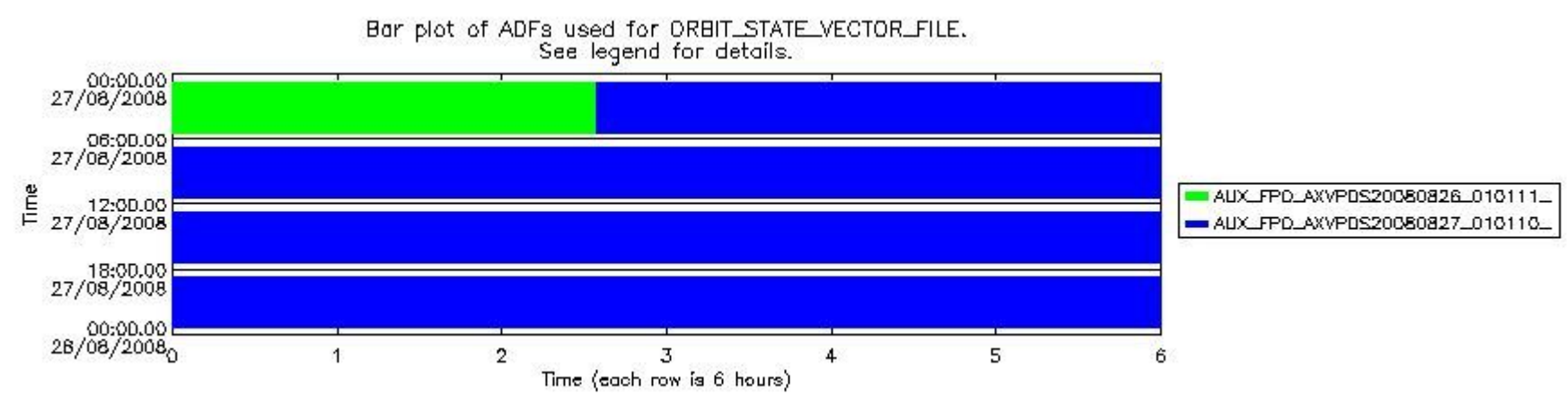
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

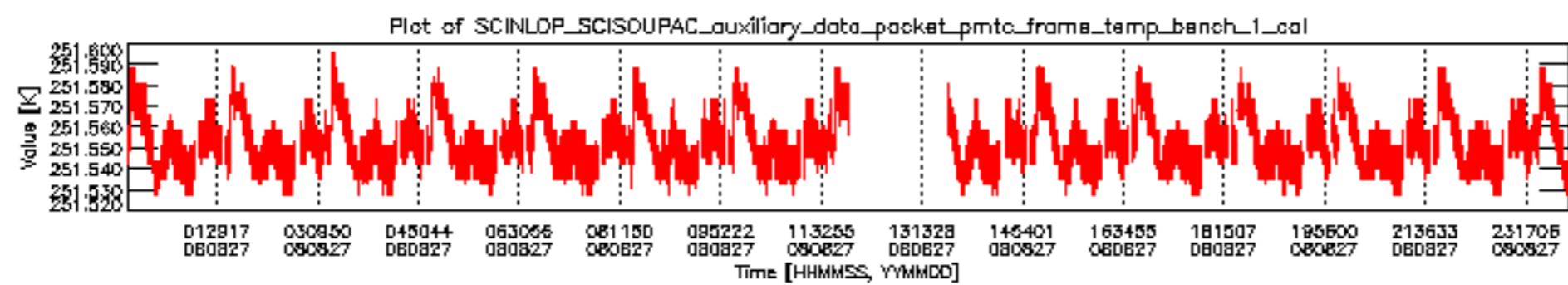
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080826_010111_20080825_191832_20080904_204444
2	AUX_FPO_AXVPDS20080827_010110_20080826_184655_20080905_201307

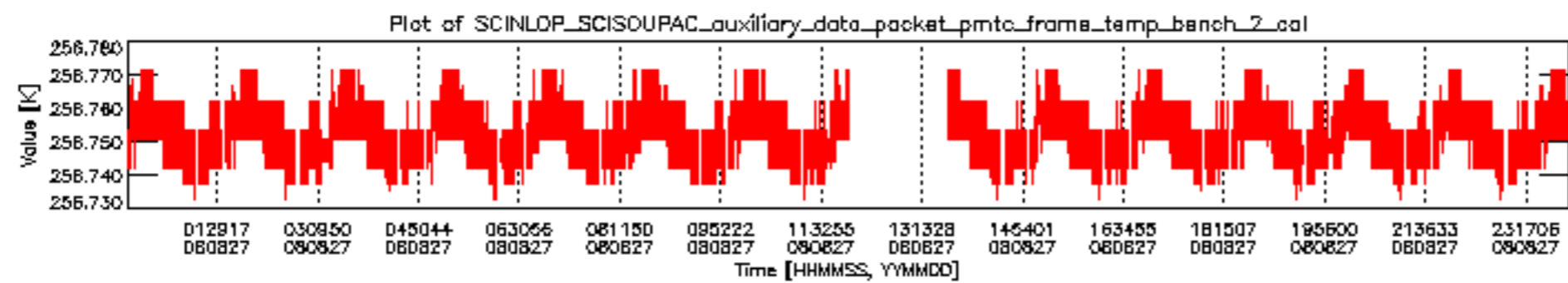


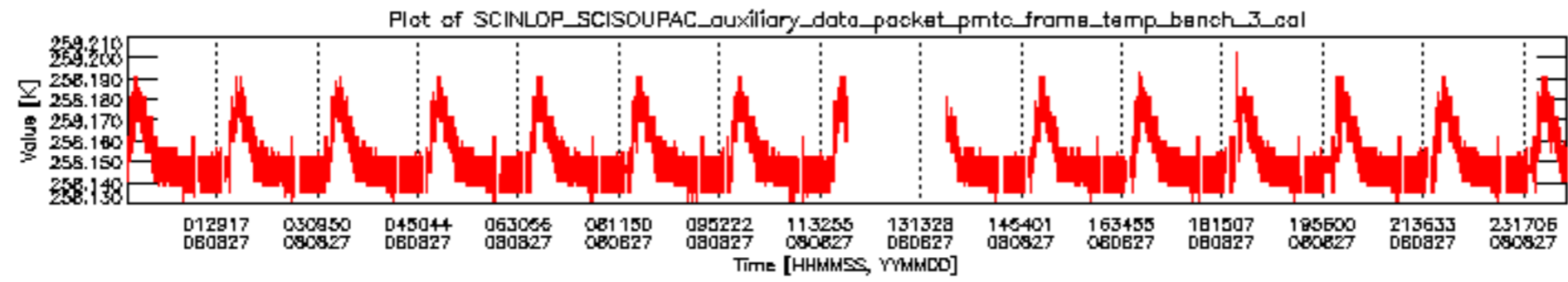
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080827_7.PNG

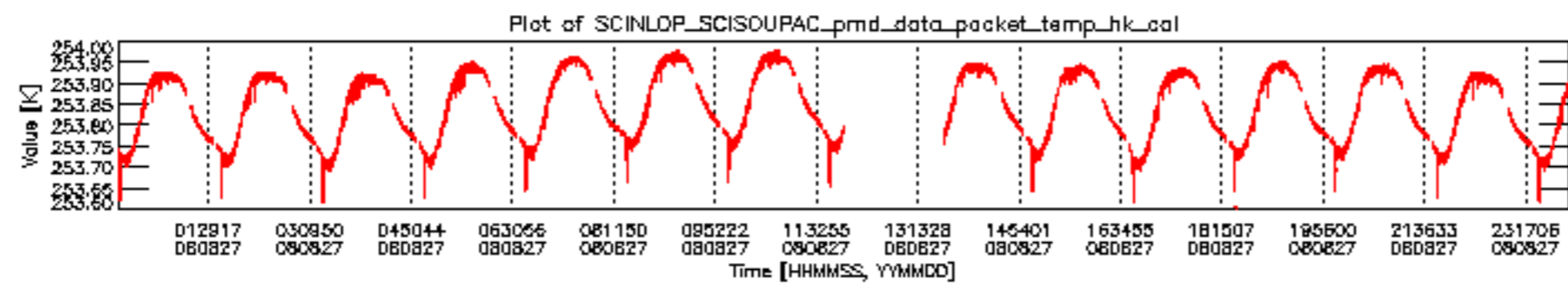


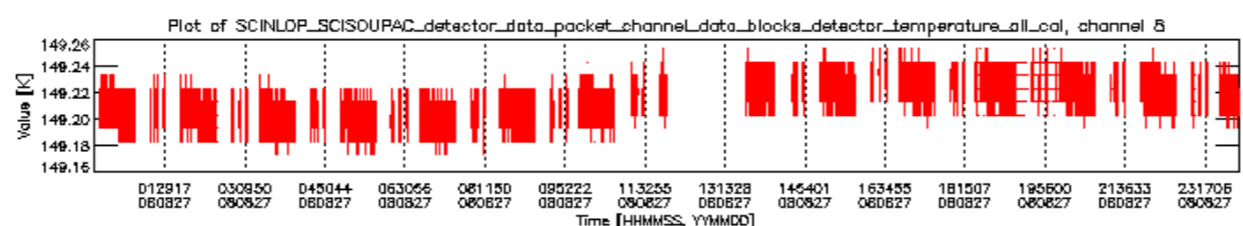
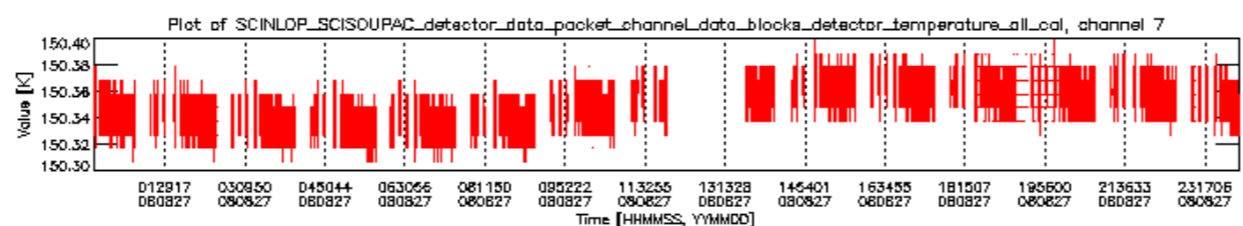
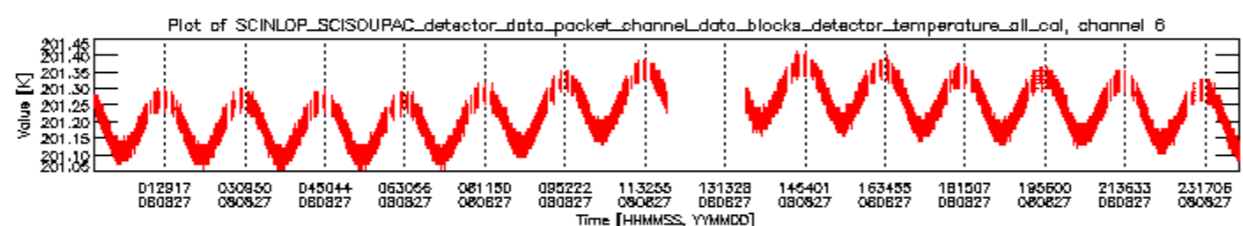
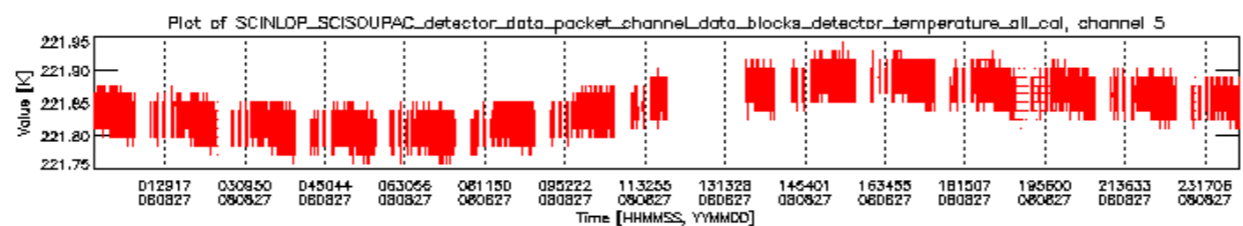
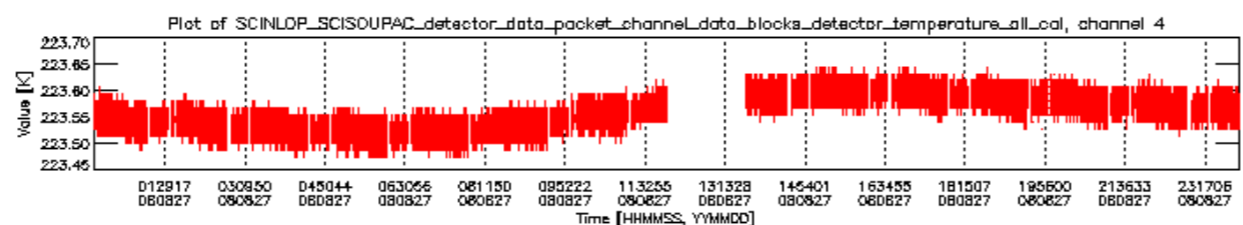
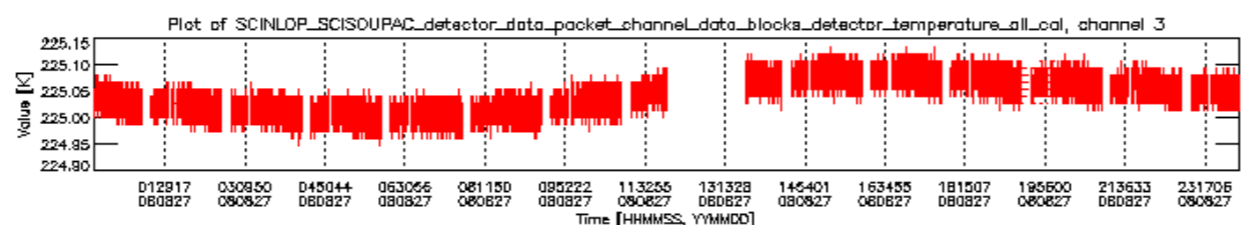
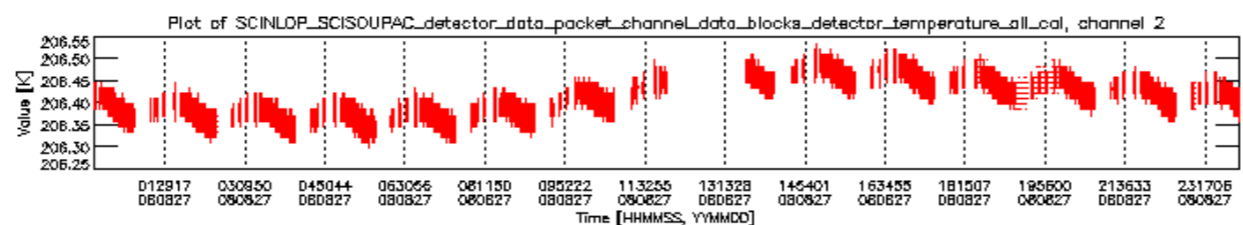
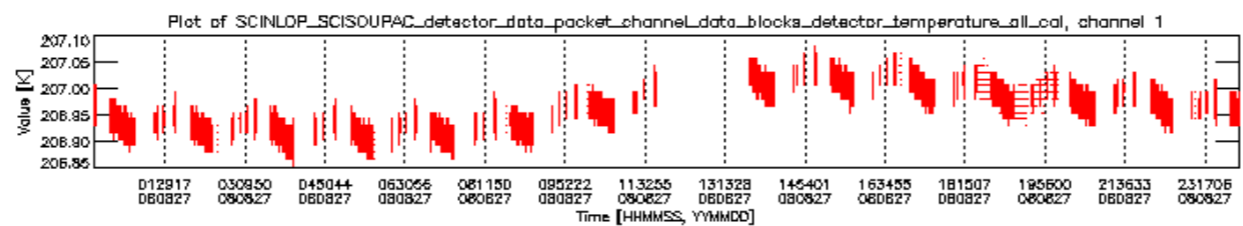
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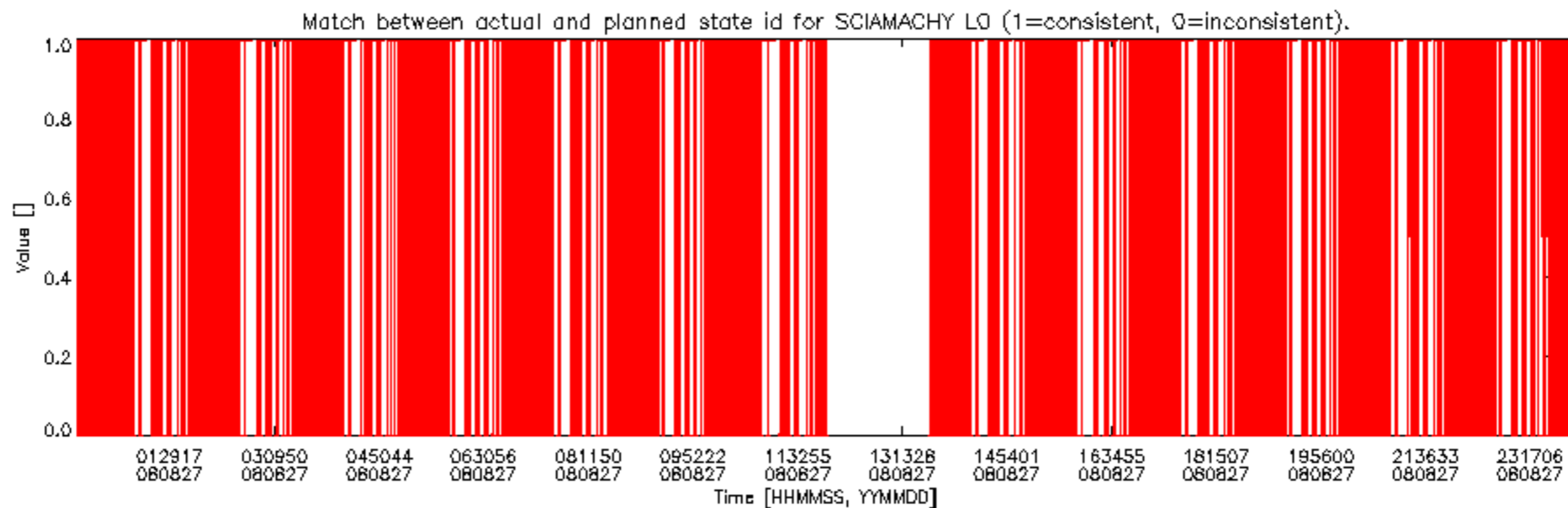
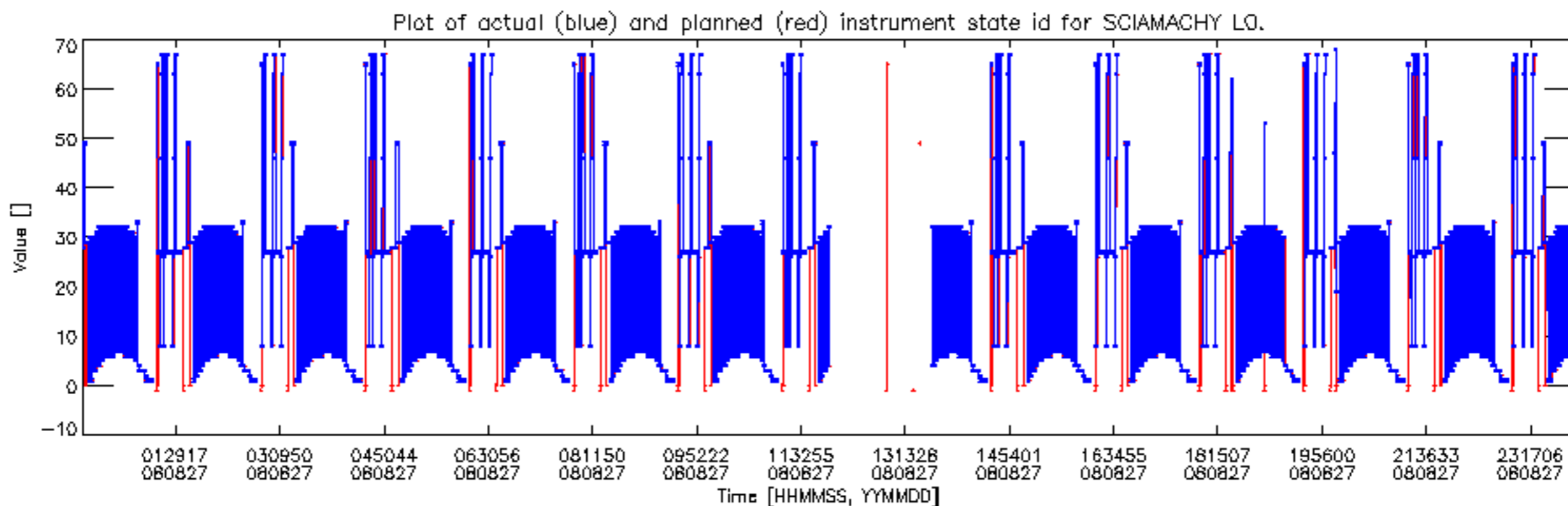












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