

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	23FEB2009 05:13:00
Data source version	KSPT_L0/4303-N
Processing scope for products	19FEB2009 00:00:00 to 20FEB2009 00:00:00
Start time of first product within scope	18FEB2009 23:06:40
Stop time of last product within scope	20FEB2009 00:07:59
Total number of level 0 products	15
Number of level 0 products with errors	4

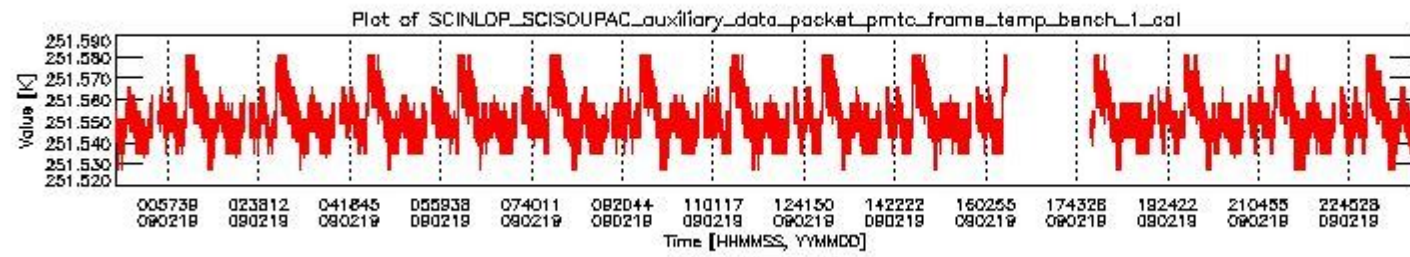
0.1.2 Summary per product

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

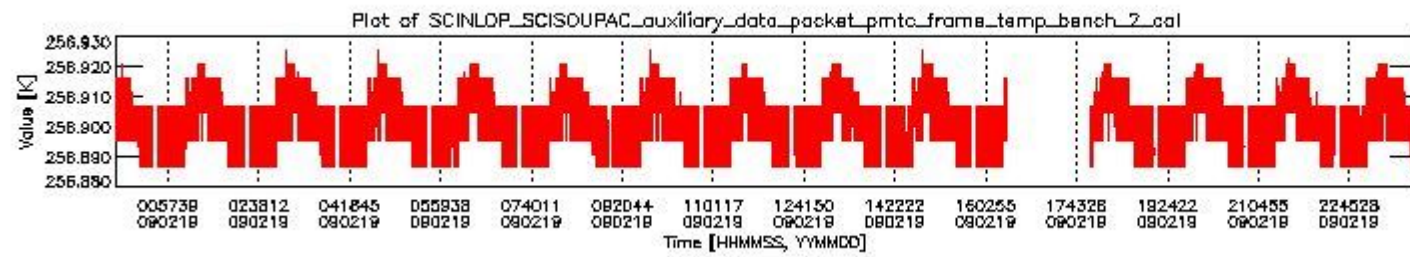
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090218_230640_000055832076_00330_36456_8519.N1	18FEB2009 23:06:40	19FEB2009 00:39:43	0	0	0	0	0
1	SCI_NL__OPNPDE20090219_004715_000055962076_00331_36457_8520.N1	19FEB2009 00:47:15	19FEB2009 02:20:31	0	0	0	0	0
2	SCI_NL__OPNPDE20090219_021923_000046592076_00332_36458_8521.N1	19FEB2009 02:19:23	19FEB2009 03:37:02	0	0	0	0	0
3	SCI_NL__OPNPDE20090219_033702_000061732076_00333_36459_8522.N1	19FEB2009 03:37:02	19FEB2009 05:19:54	0	0	0	0	0
4	SCI_NL__OPNPDE20090219_051846_000060912076_00334_36460_8523.N1	19FEB2009 05:18:46	19FEB2009 07:00:17	0	0	0	0	0
5	SCI_NL__OPNPDK20090219_070017_000040572076_00335_36461_0758.N1	19FEB2009 07:00:17	19FEB2009 08:07:54	0	0	0	0	0
6	SCI_NL__OPNPDK20090219_080646_000061602076_00336_36462_0759.N1	19FEB2009 08:06:46	19FEB2009 09:49:26	1	1	1	0	0
7	SCI_NL__OPNPDK20090219_094817_000059242076_00337_36463_0760.N1	19FEB2009 09:48:17	19FEB2009 11:27:01	0	0	0	0	0
8	SCI_NL__OPNPDK20090219_112552_000061602076_00338_36464_0761.N1	19FEB2009 11:25:52	19FEB2009 13:08:32	1	1	1	0	0
9	SCI_NL__OPNPDK20090219_130724_000059242076_00339_36465_0762.N1	19FEB2009 13:07:24	19FEB2009 14:46:07	0	0	0	0	0
10	SCI_NL__OPNPDK20090219_144403_000060362076_00340_36466_0763.N1	19FEB2009 14:44:03	19FEB2009 16:24:38	1	1	1	0	0
11	SCI_NL__OPNPDK20090219_175911_000060912076_00342_36468_0765.N1	19FEB2009 17:59:11	19FEB2009 19:40:43	1	0	1	0	0
12	SCI_NL__OPNPDE20090219_193947_000040502076_00343_36469_8524.N1	19FEB2009 19:39:47	19FEB2009 20:47:17	0	0	0	0	0
13	SCI_NL__OPNPDE20090219_204717_000064582076_00343_36469_8525.N1	19FEB2009 20:47:17	19FEB2009 22:34:56	0	0	0	0	0
14	SCI_NL__OPNPDE20090219_223456_000055842076_00344_36470_8526.N1	19FEB2009 22:34:56	20FEB2009 00:07:59	0	0	0	0	0

0.2 Product Quality Indicators

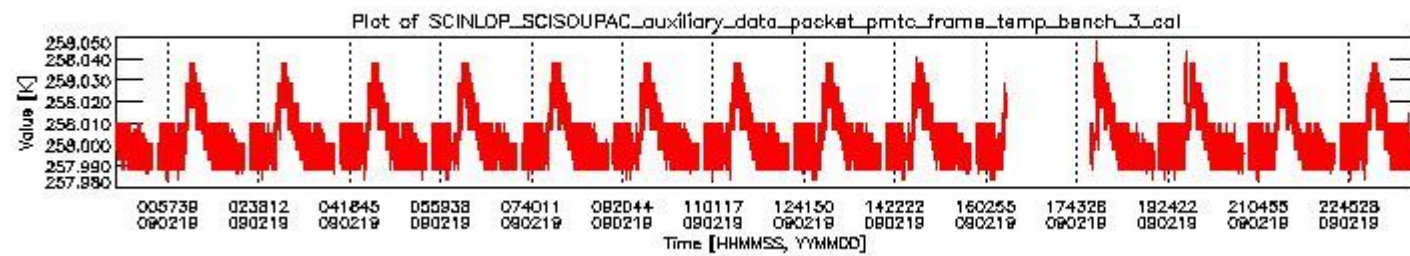
This section shows information about product quality, currently temperatures.



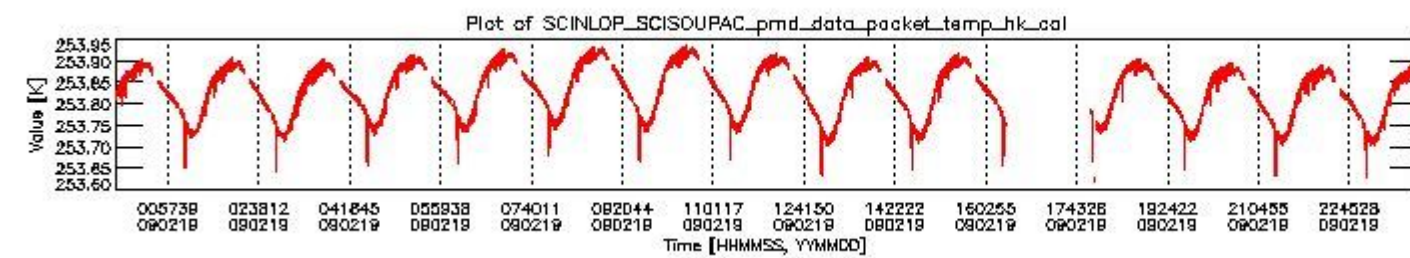
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090219_0.PNG



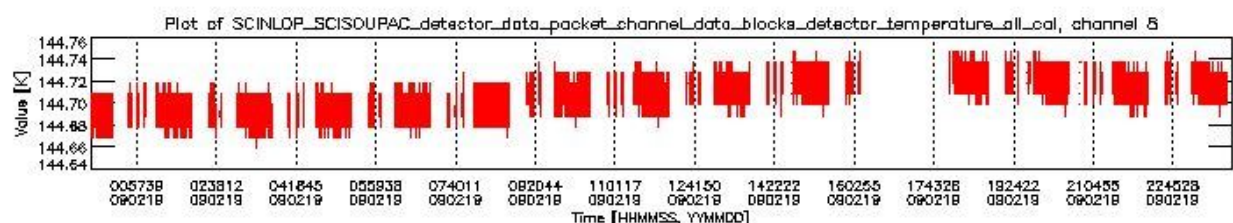
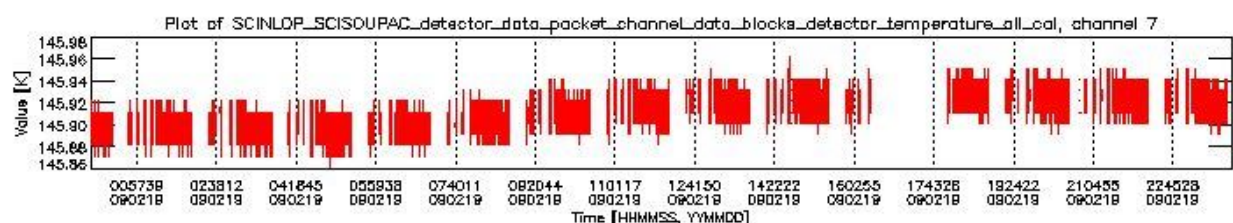
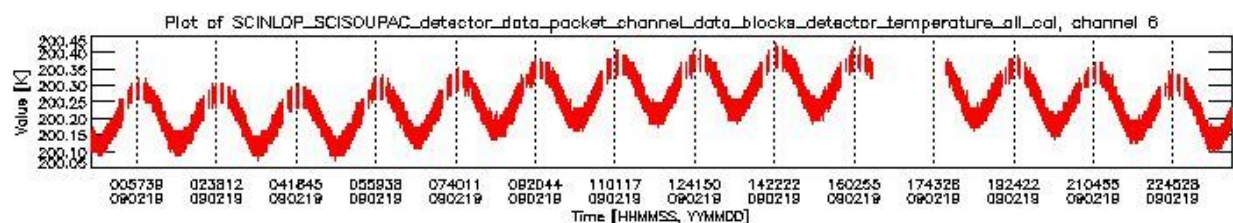
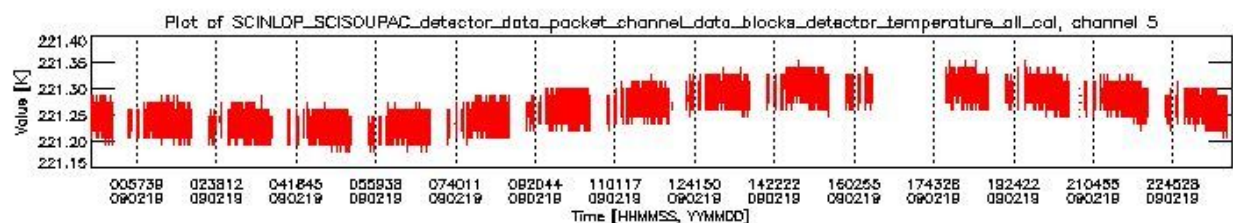
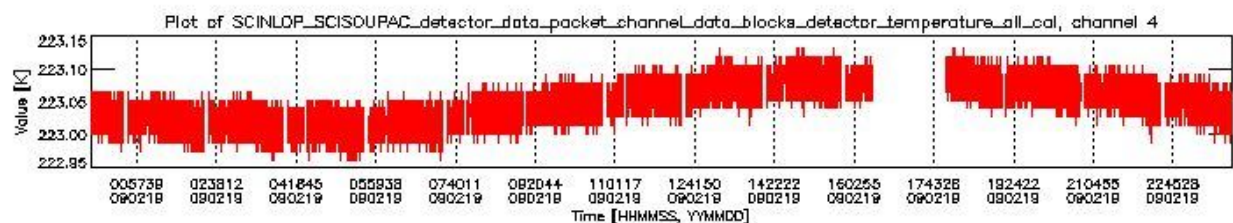
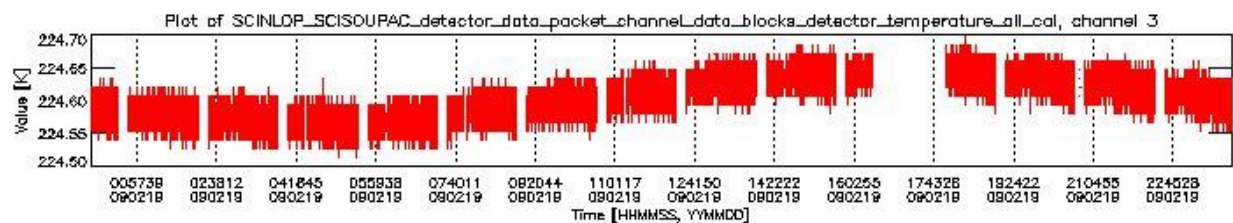
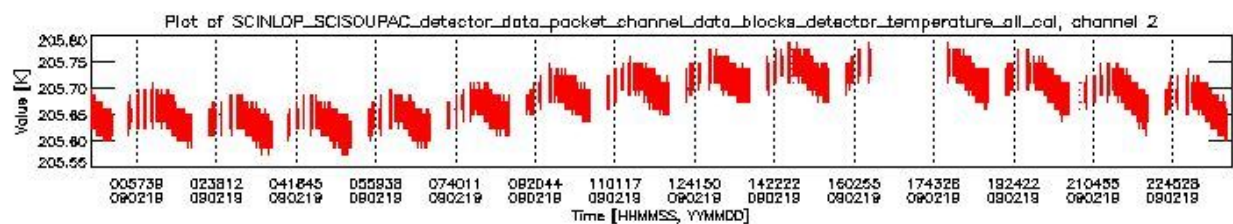
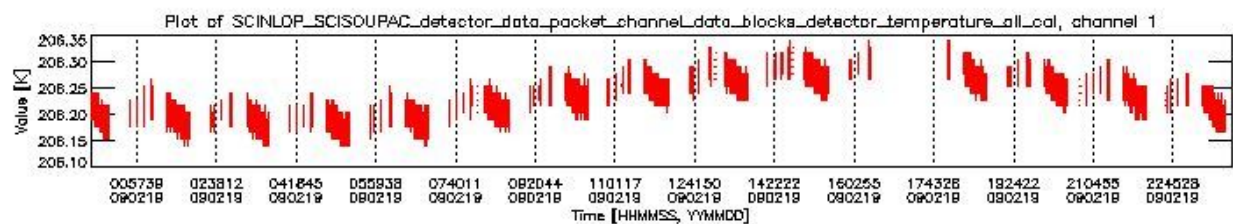
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20090219_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090219_3.PNG

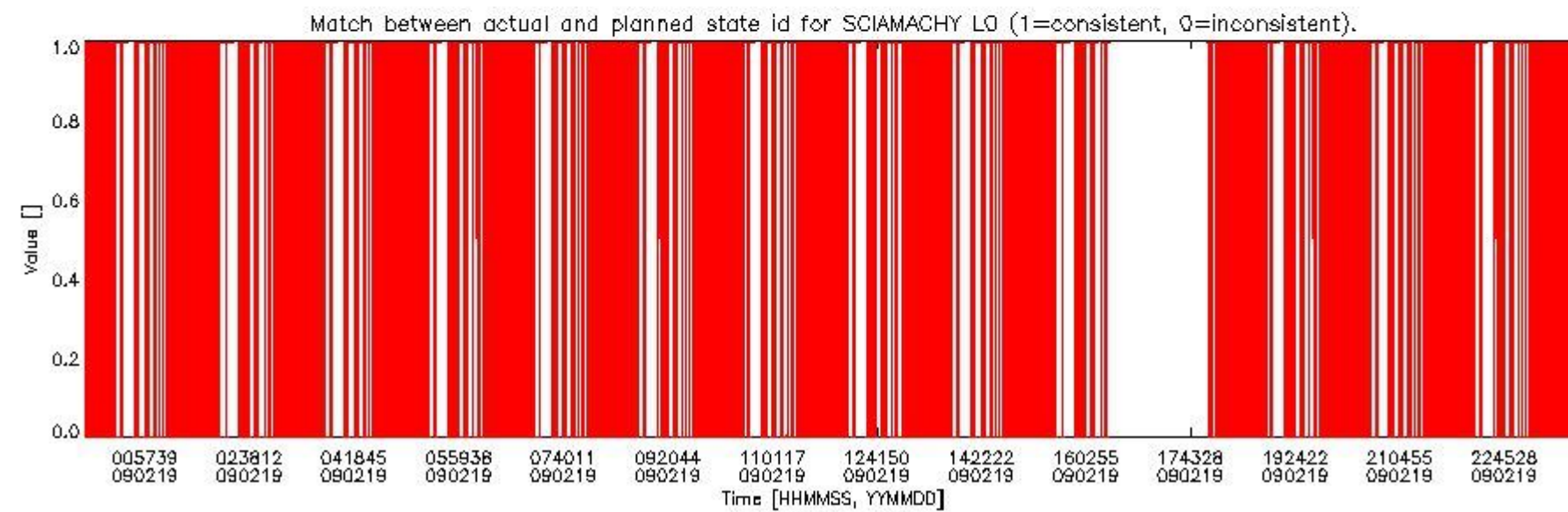
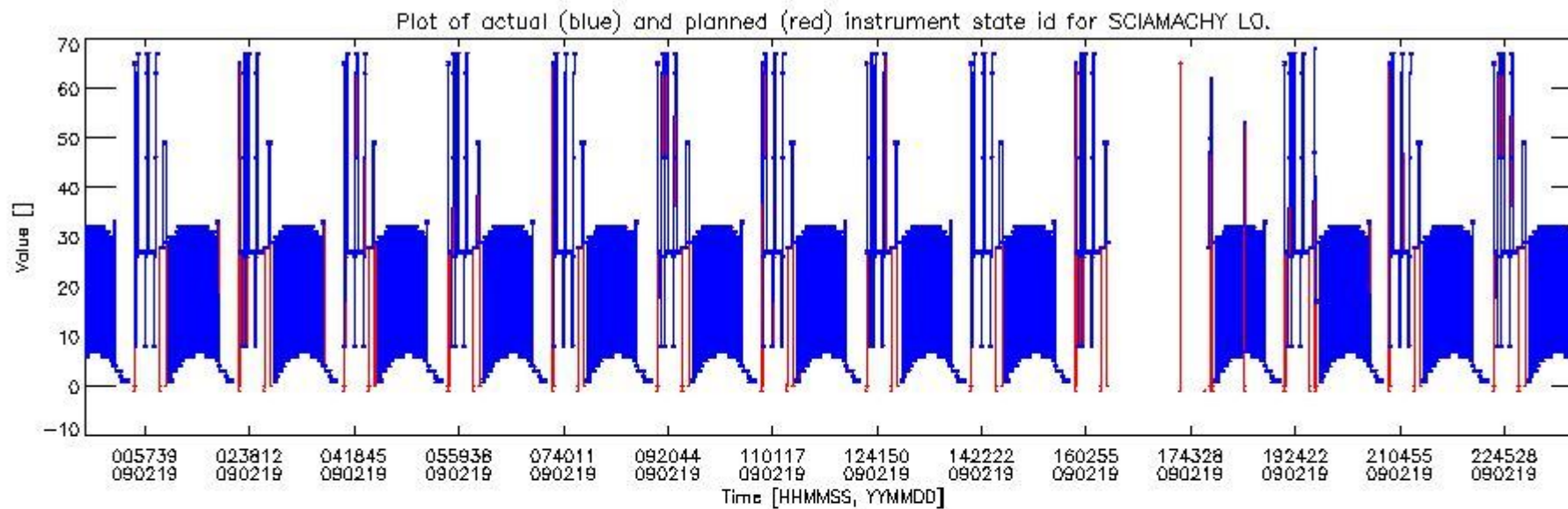


0.3 State monitoring

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: **43964**

#	Actual time	Actual value	Planned time	Planned value
0	19FEB2009 00:00:24.554323	32	19FEB2009 00:00:24.554323	6
1	19FEB2009 00:00:25.179304	32	19FEB2009 00:00:25.179304	6
2	19FEB2009 00:00:25.554317	32	19FEB2009 00:00:25.554317	6
3	19FEB2009 00:00:25.929330	32	19FEB2009 00:00:25.929330	6
4	19FEB2009 00:00:26.491830	32	19FEB2009 00:00:26.491830	6
5	19FEB2009 00:00:26.866803	32	19FEB2009 00:00:26.866803	6
6	19FEB2009 00:00:27.241816	32	19FEB2009 00:00:27.241816	6
7	19FEB2009 00:00:27.616829	32	19FEB2009 00:00:27.616829	6
8	19FEB2009 00:00:28.179328	32	19FEB2009 00:00:28.179328	6
9	19FEB2009 00:00:28.554341	32	19FEB2009 00:00:28.554341	6
10	19FEB2009 00:00:28.929314	32	19FEB2009 00:00:28.929314	6
11	19FEB2009 00:00:29.304327	32	19FEB2009 00:00:29.304327	6
12	19FEB2009 00:00:29.554336	32	19FEB2009 00:00:29.554336	6
13	19FEB2009 00:00:29.866827	32	19FEB2009 00:00:29.866827	6
14	19FEB2009 00:00:30.241840	32	19FEB2009 00:00:30.241840	6
15	19FEB2009 00:00:30.616812	32	19FEB2009 00:00:30.616812	6
16	19FEB2009 00:00:30.991825	32	19FEB2009 00:00:30.991825	6
17	19FEB2009 00:00:31.554325	32	19FEB2009 00:00:31.554325	6
18	19FEB2009 00:00:31.929338	32	19FEB2009 00:00:31.929338	6
19	19FEB2009 00:00:32.304311	32	19FEB2009 00:00:32.304311	6
...

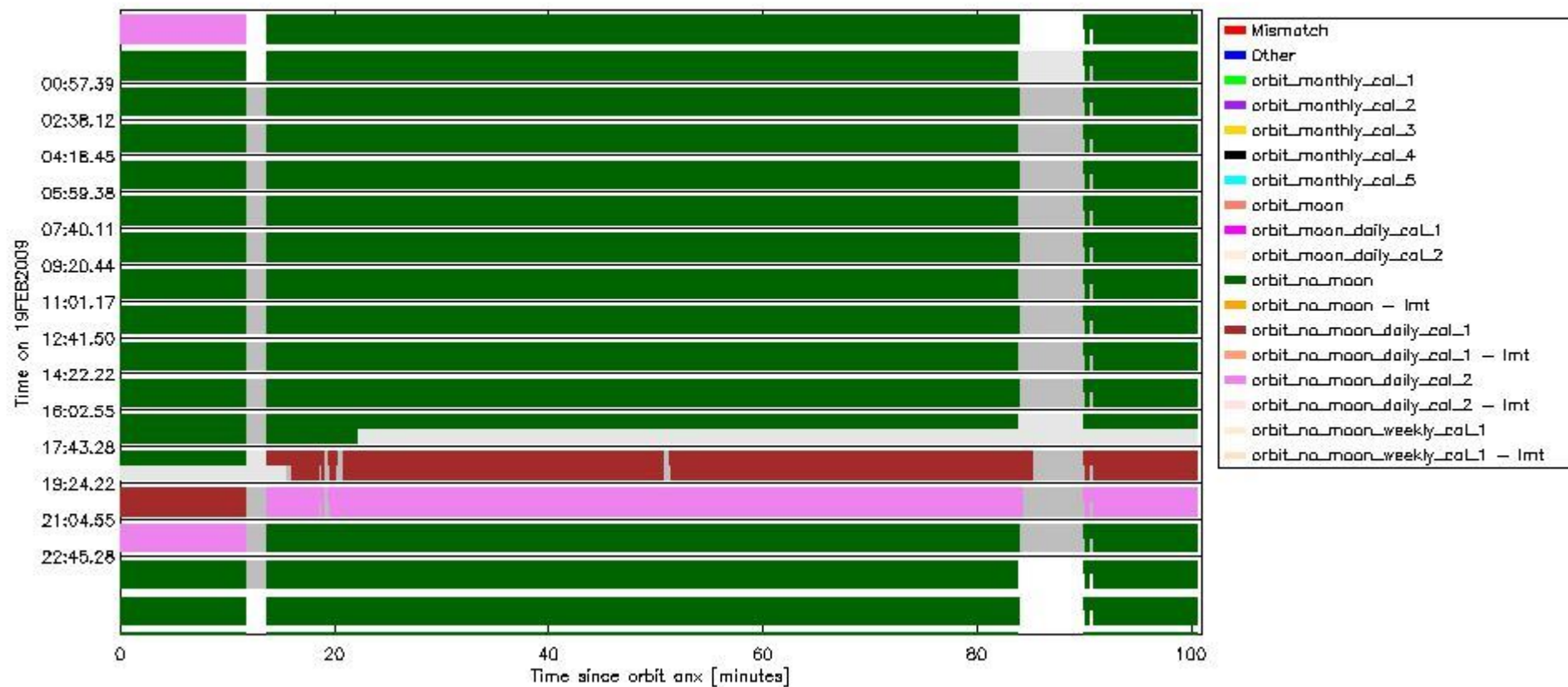


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090219_5.PNG

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 19FEB2009.
 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_20090219_6.PNG

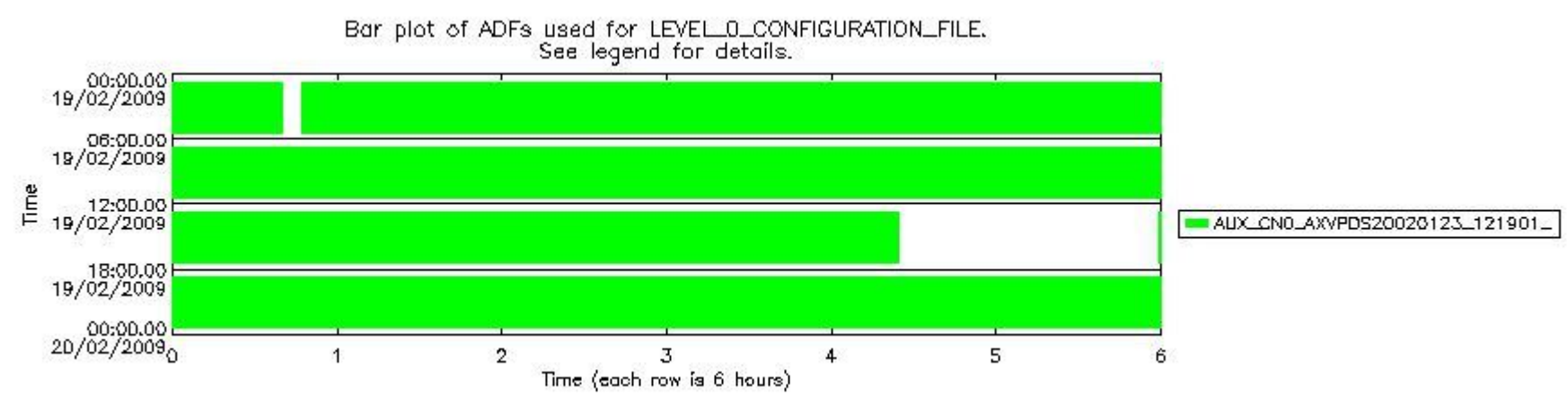
0.4 ADF monitoring

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

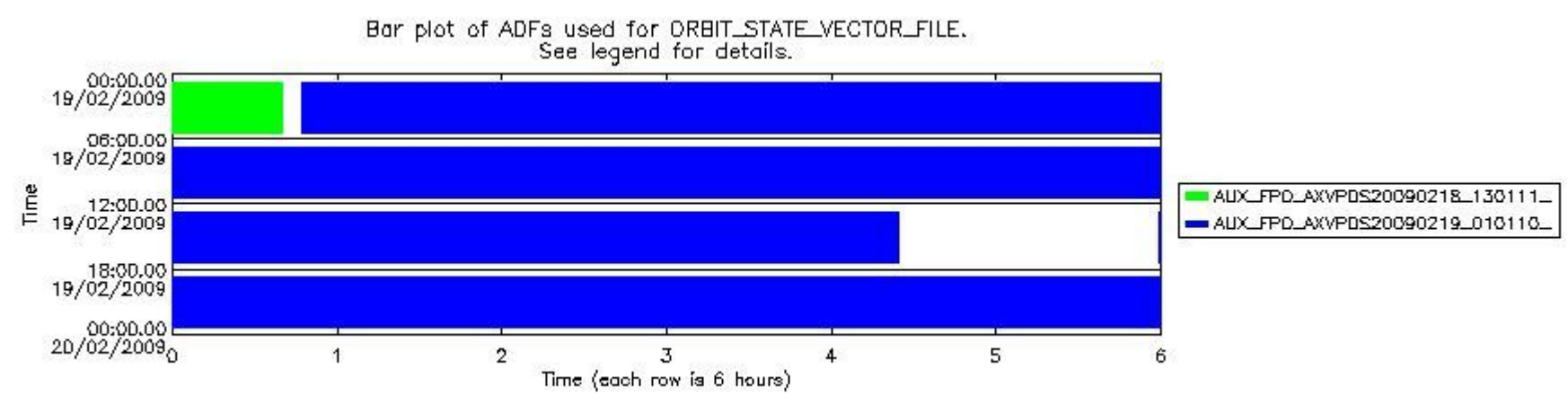
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

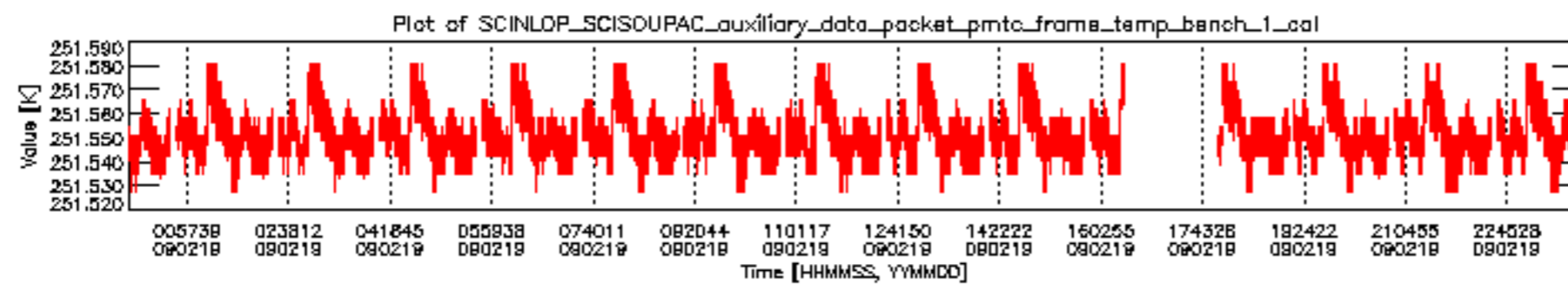
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090218_130111_20090217_184654_20090227_201307
2	AUX_FPO_AXVPDS20090219_010110_20090218_195553_20090228_212206

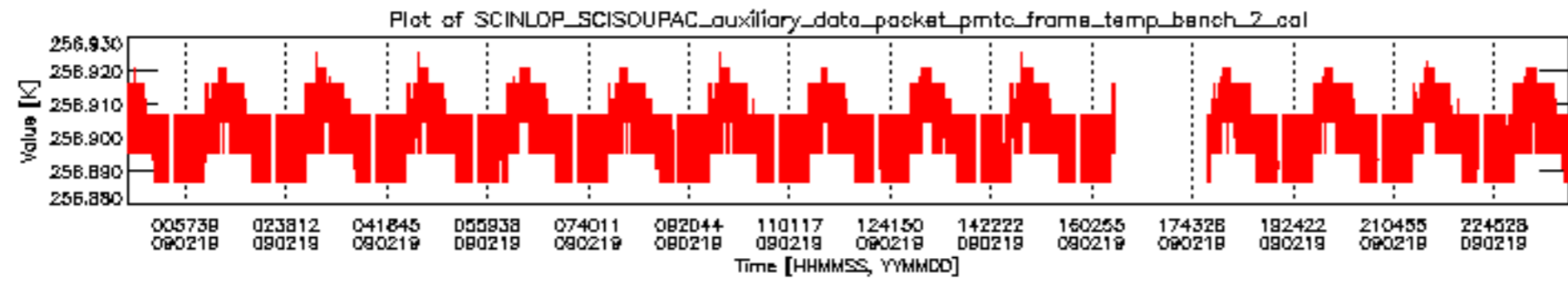


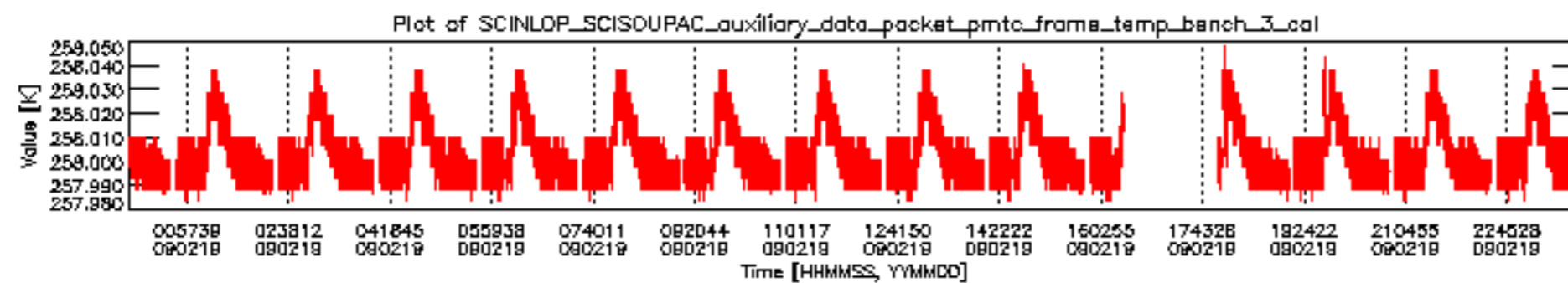
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090219_7.PNG

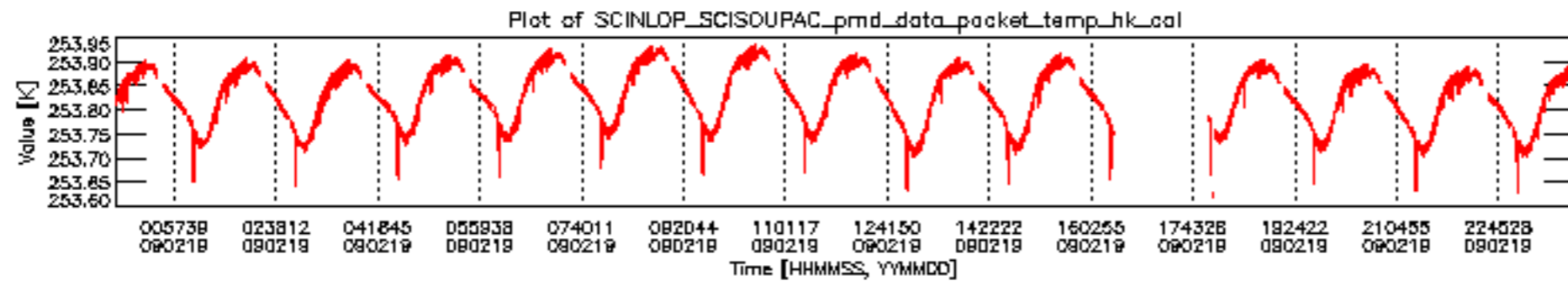


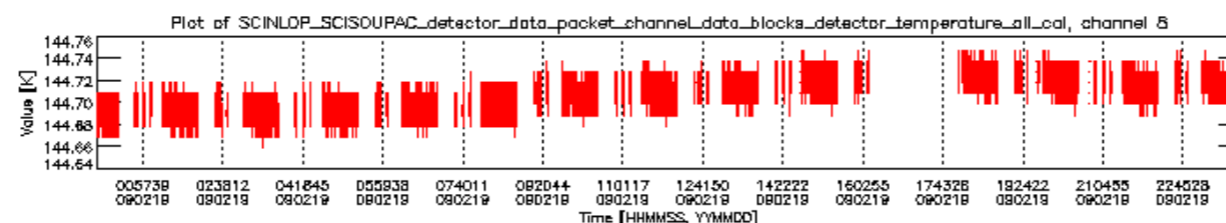
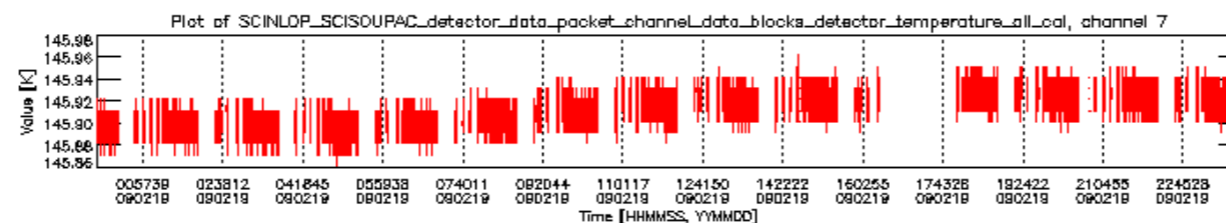
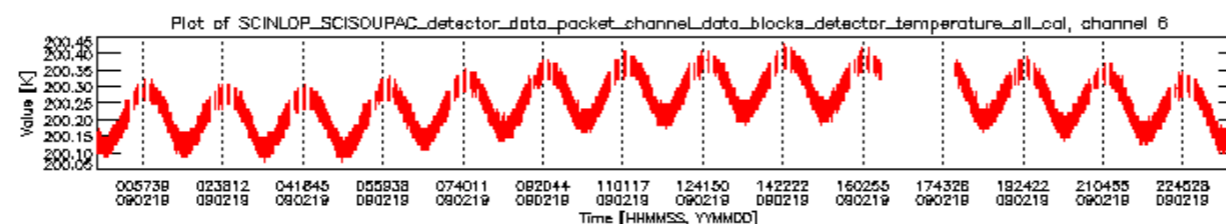
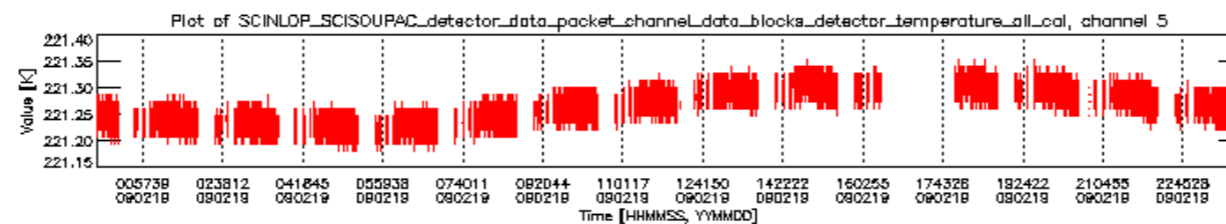
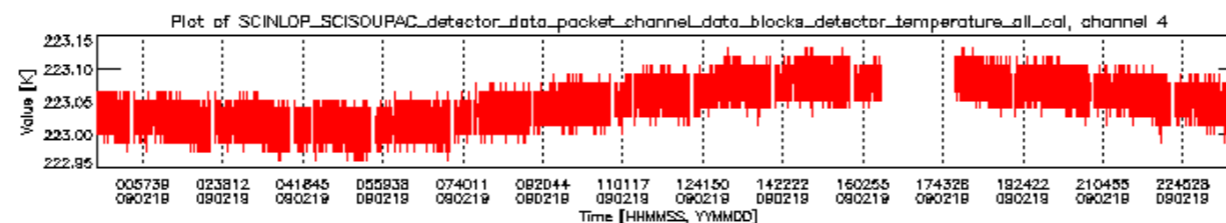
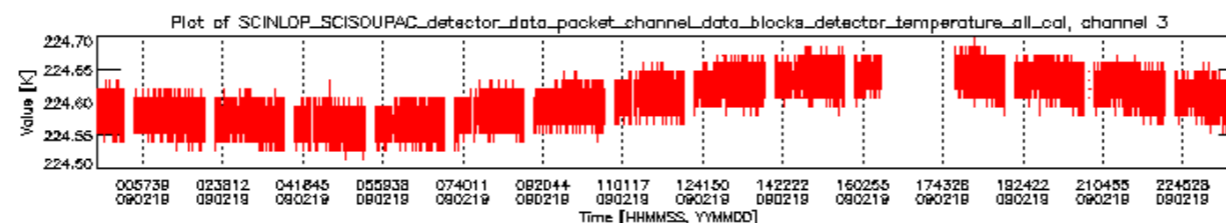
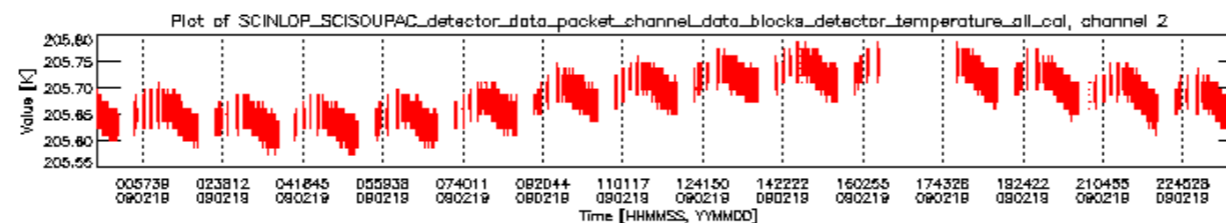
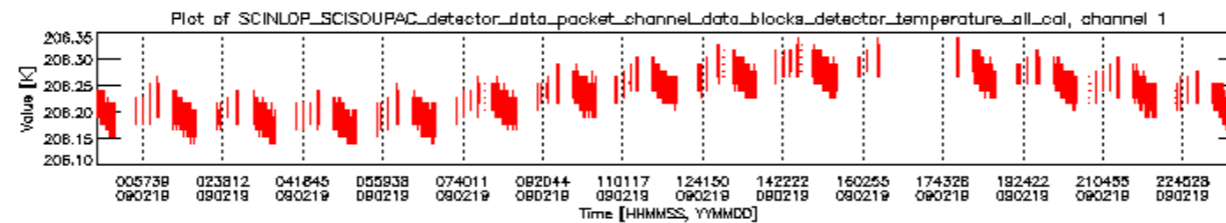
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090219_8.PNG

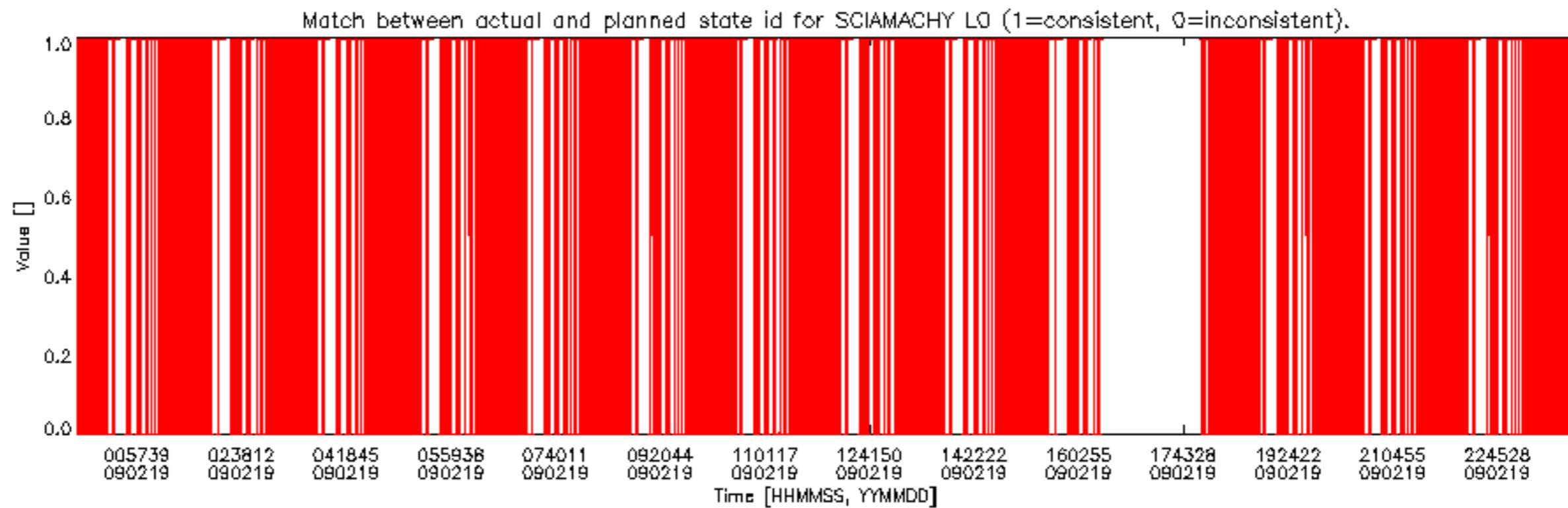
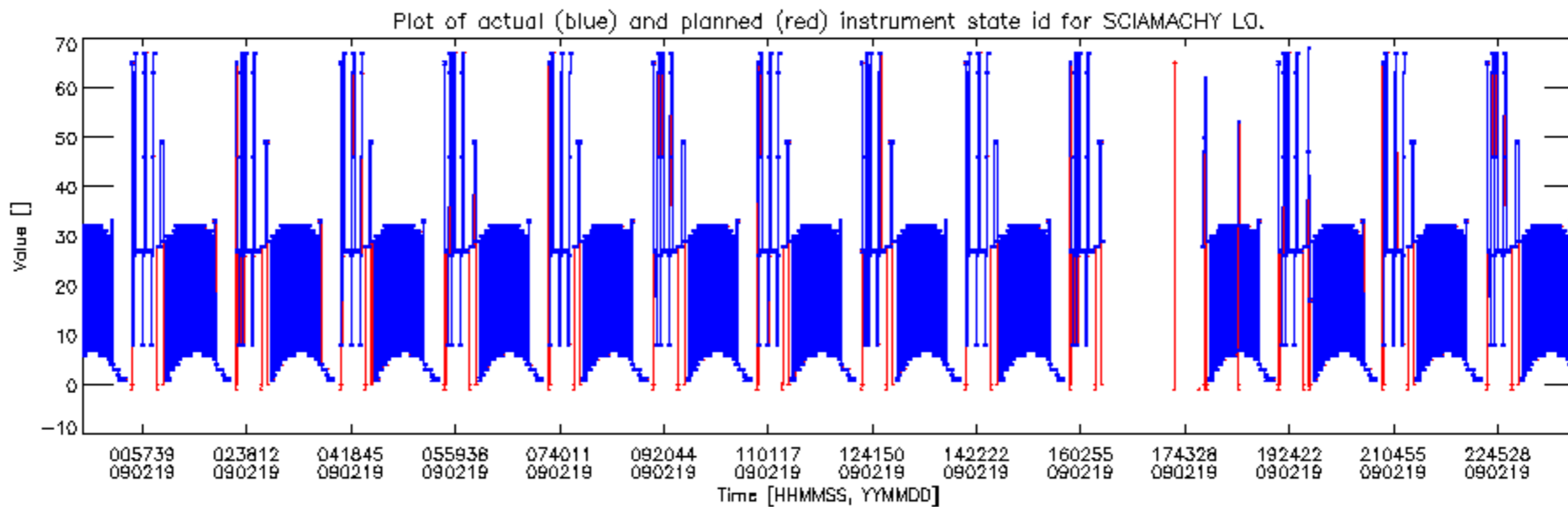












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