

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	v1.4 20100407
Time of report generation	15DEC2010 03:11:41
Data source version	KSPT_L0/4504-N
Processing scope for products	08DEC2010 00:00:00 to 09DEC2010 00:00:00
Start time of first product within scope	08DEC2010 01:03:01
Stop time of last product within scope	09DEC2010 00:26:19
Total number of Level 0 products	16
Number of Level 0 products with errors	0

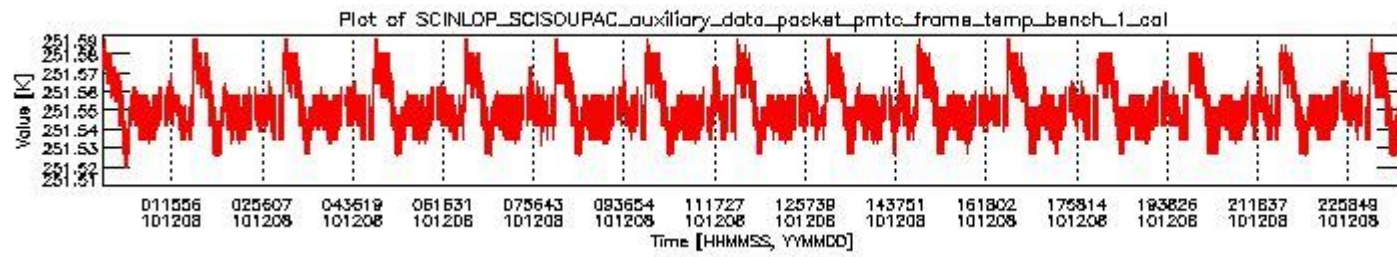
0.1.2 Summary per product

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

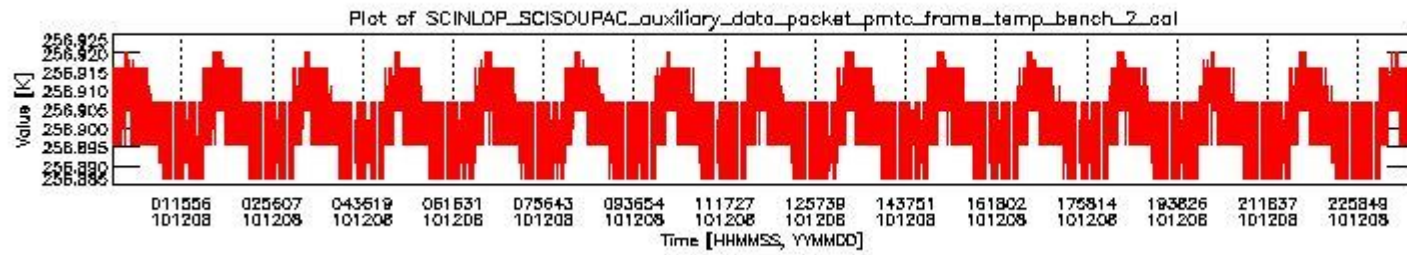
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20101208_010301_000102383097_00160_45864_2110.N1	08DEC2010 01:03:01	08DEC2010 03:53:39	0	0	0	0	0
1	SCI_NL__OPNPDE20101208_010835_000056943097_00160_45864_2113.N1	08DEC2010 01:08:35	08DEC2010 02:43:29	0	0	0	0	0
2	SCI_NL__OPNPDE20101208_024849_000038893097_00161_45865_2115.N1	08DEC2010 02:48:49	08DEC2010 03:53:39	0	0	0	0	0
3	SCI_NL__OPNPDE20101208_035230_000063283097_00162_45866_2111.N1	08DEC2010 03:52:30	08DEC2010 05:37:58	0	0	0	0	0
4	SCI_NL__OPNPDE20101208_053704_000060683097_00163_45867_2114.N1	08DEC2010 05:37:04	08DEC2010 07:18:13	0	0	0	0	0
5	SCI_NL__OPNPDK20101208_071704_000039963097_00164_45868_3169.N1	08DEC2010 07:17:04	08DEC2010 08:23:40	0	0	0	0	0
6	SCI_NL__OPNPDK20101208_082340_000061373097_00165_45869_3170.N1	08DEC2010 08:23:40	08DEC2010 10:05:57	0	0	0	0	0
7	SCI_NL__OPNPDK20101208_100448_000059603097_00166_45870_3171.N1	08DEC2010 10:04:48	08DEC2010 11:44:08	0	0	0	0	0
8	SCI_NL__OPNPDK20101208_114314_000060143097_00167_45871_3172.N1	08DEC2010 11:43:14	08DEC2010 13:23:28	0	0	0	0	0
9	SCI_NL__OPNPDK20101208_132234_000058223097_00168_45872_3173.N1	08DEC2010 13:22:34	08DEC2010 14:59:36	0	0	0	0	0
10	SCI_NL__OPNPDK20101208_145936_000059053097_00169_45873_3174.N1	08DEC2010 14:59:36	08DEC2010 16:38:01	0	0	0	0	0
11	SCI_NL__OPNPDK20101208_163613_000060143097_00170_45874_3175.N1	08DEC2010 16:36:13	08DEC2010 18:16:27	0	0	0	0	0
12	SCI_NL__OPNPDK20101208_181627_000057693097_00171_45875_3176.N1	08DEC2010 18:16:27	08DEC2010 19:52:36	0	0	0	0	0
13	SCI_NL__OPNPDE20101208_195236_000040693097_00172_45876_2116.N1	08DEC2010 19:52:36	08DEC2010 21:00:24	0	0	0	0	0
14	SCI_NL__OPNPDE20101208_205916_000064233097_00172_45876_2117.N1	08DEC2010 20:59:16	08DEC2010 22:46:19	0	0	0	0	0
15	SCI_NL__OPNPDE20101208_224511_000060683097_00173_45877_2118.N1	08DEC2010 22:45:11	09DEC2010 00:26:19	0	0	0	0	0

0.2 Product Quality Indicators

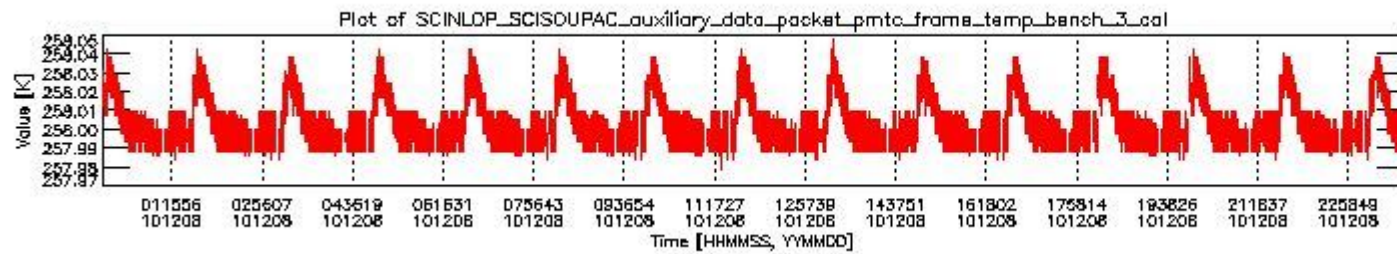
This section shows information about product quality, currently temperatures.



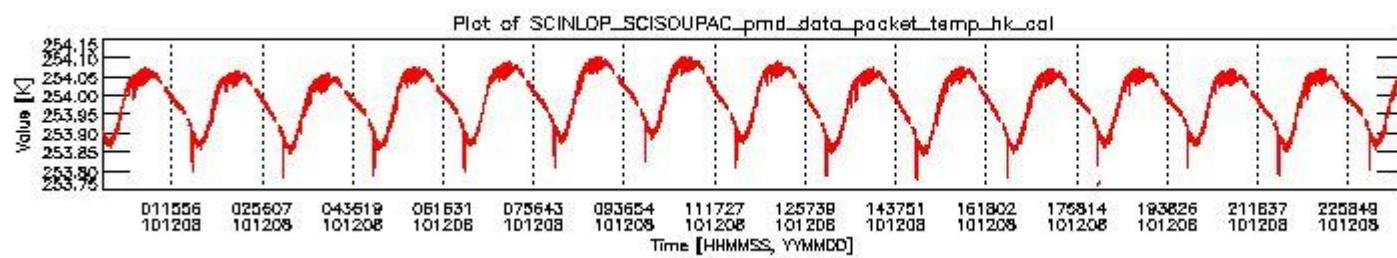
sciamachy_daily_report_level0_KSPT_L0_4504_N_20101208_0.PNG



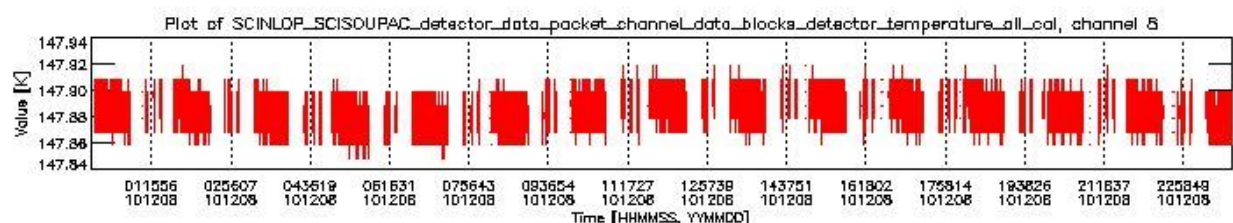
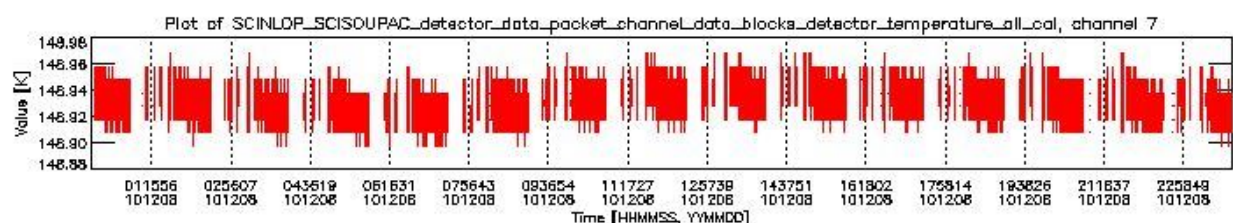
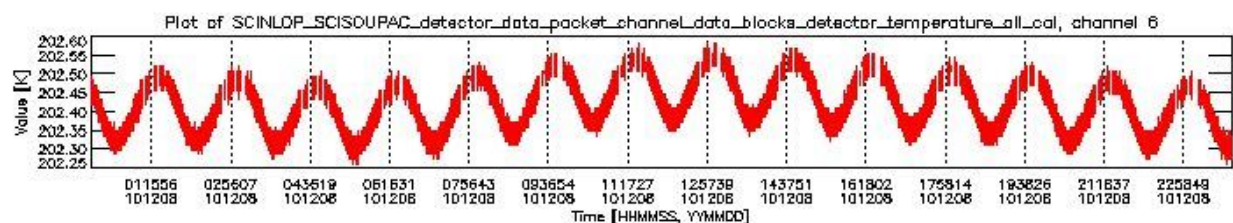
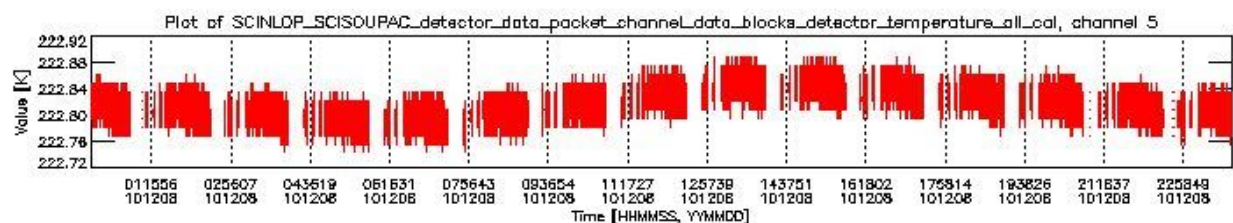
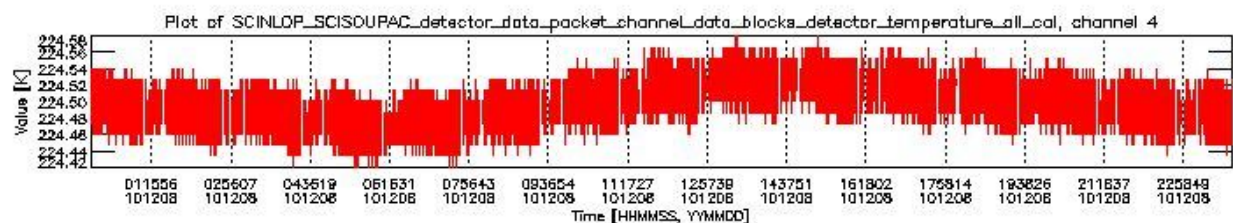
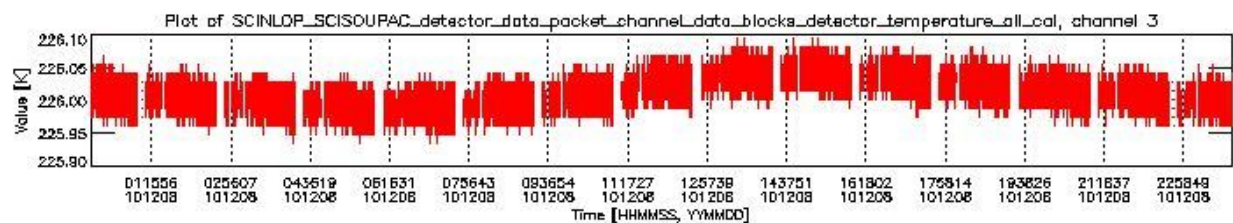
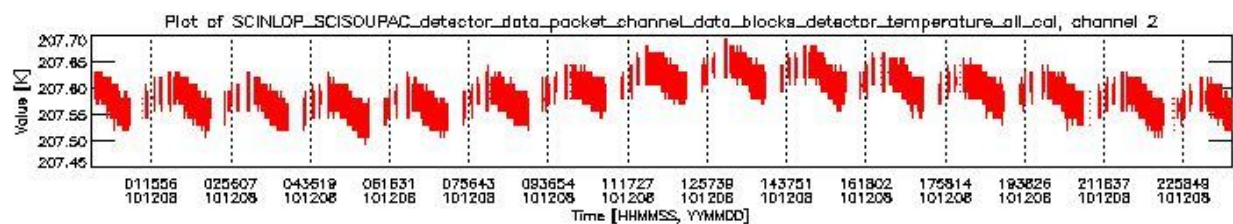
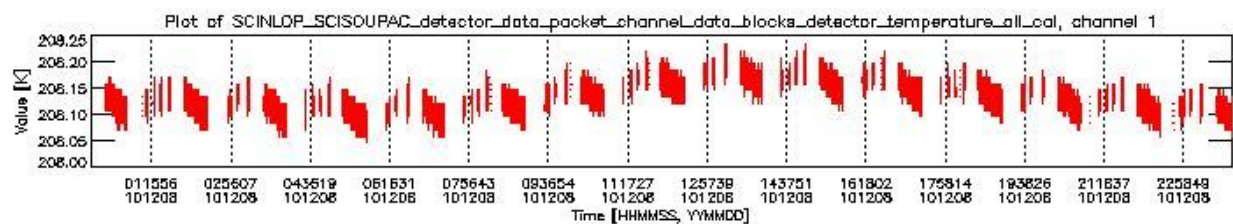
sciamachy_daily_report_level0_KSPT_L0_4504_N_20101208_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20101208_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20101208_3.PNG

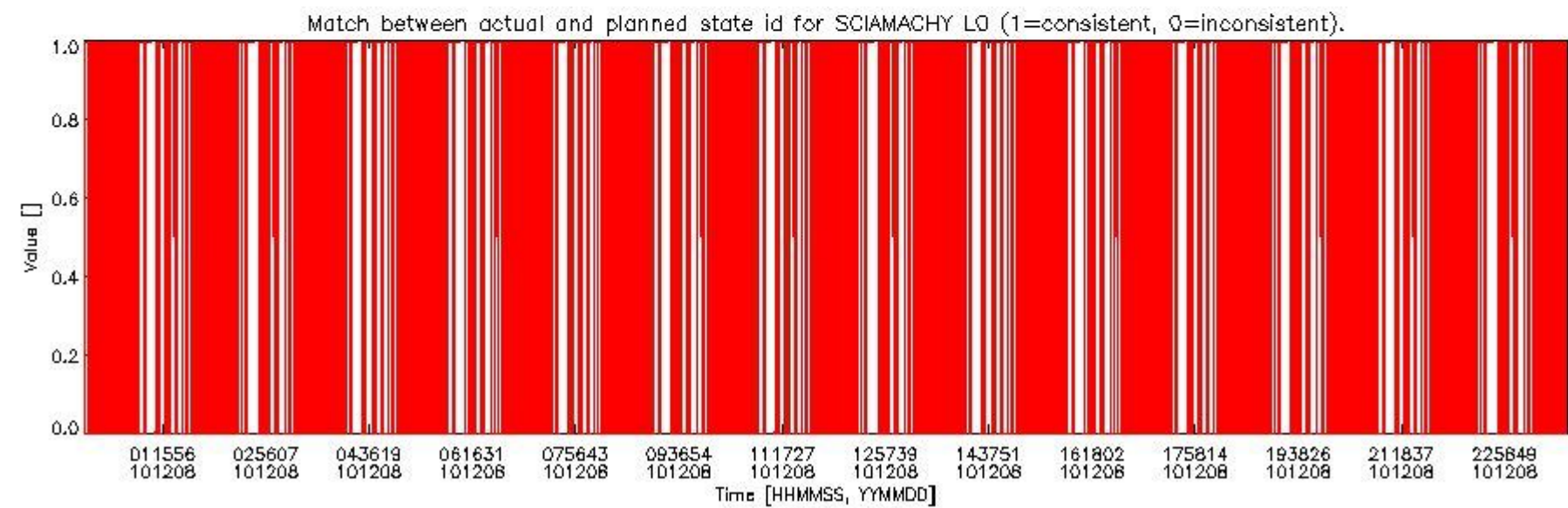
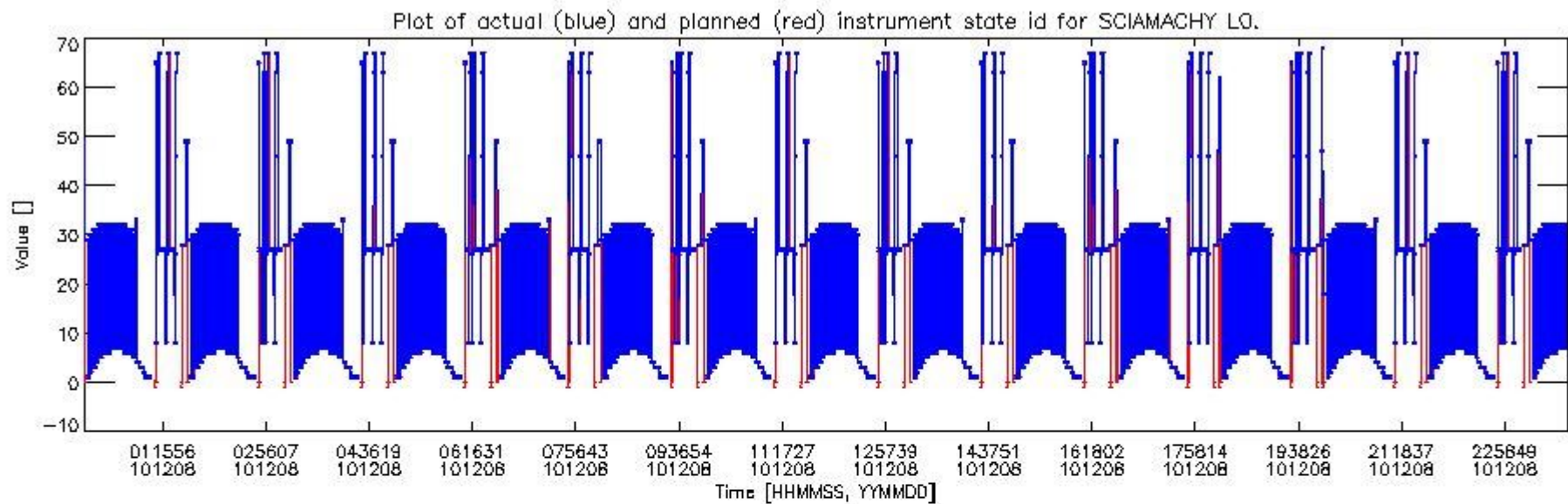


0.3 State monitoring

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: **26059**

#	Actual time	Actual value	Planned time	Planned value
0	08DEC2010 00:03:24.114822	1	08DEC2010 00:03:24.114822	29
1	08DEC2010 00:03:24.364822	1	08DEC2010 00:03:24.364822	29
2	08DEC2010 00:03:24.489822	1	08DEC2010 00:03:24.489822	29
3	08DEC2010 00:03:24.614822	1	08DEC2010 00:03:24.614822	29
4	08DEC2010 00:03:24.739822	1	08DEC2010 00:03:24.739822	29
5	08DEC2010 00:03:24.864822	1	08DEC2010 00:03:24.864822	29
6	08DEC2010 00:03:24.989822	1	08DEC2010 00:03:24.989822	29
7	08DEC2010 00:03:25.114822	1	08DEC2010 00:03:25.114822	29
8	08DEC2010 00:03:25.239822	1	08DEC2010 00:03:25.239822	29
9	08DEC2010 00:03:25.364822	1	08DEC2010 00:03:25.364822	29
10	08DEC2010 00:03:25.489822	1	08DEC2010 00:03:25.489822	29
11	08DEC2010 00:03:25.614822	1	08DEC2010 00:03:25.614822	29
12	08DEC2010 00:03:25.739822	1	08DEC2010 00:03:25.739822	29
13	08DEC2010 00:03:25.864822	1	08DEC2010 00:03:25.864822	29
14	08DEC2010 00:03:25.989822	1	08DEC2010 00:03:25.989822	29
15	08DEC2010 00:03:26.114822	1	08DEC2010 00:03:26.114822	29
16	08DEC2010 00:03:26.239822	1	08DEC2010 00:03:26.239822	29
17	08DEC2010 00:03:26.364822	1	08DEC2010 00:03:26.364822	29
18	08DEC2010 00:03:26.489822	1	08DEC2010 00:03:26.489822	29
19	08DEC2010 00:03:26.614822	1	08DEC2010 00:03:26.614822	29
...

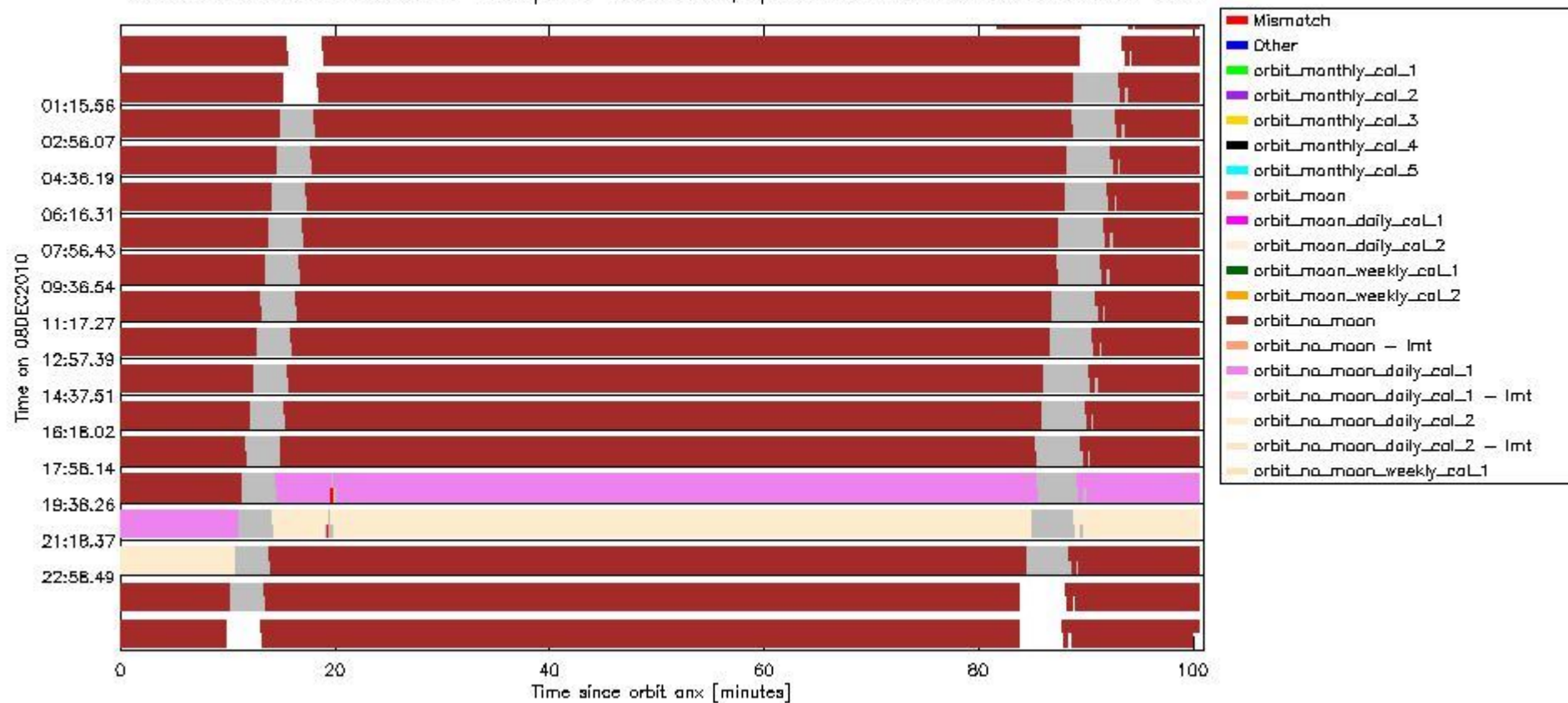


sciamachy_daily_report_level0_KSPT_L0_4504_N_20101208_5.PNG

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 08DEC2010.
 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_4504_N_20101208_6.PNG

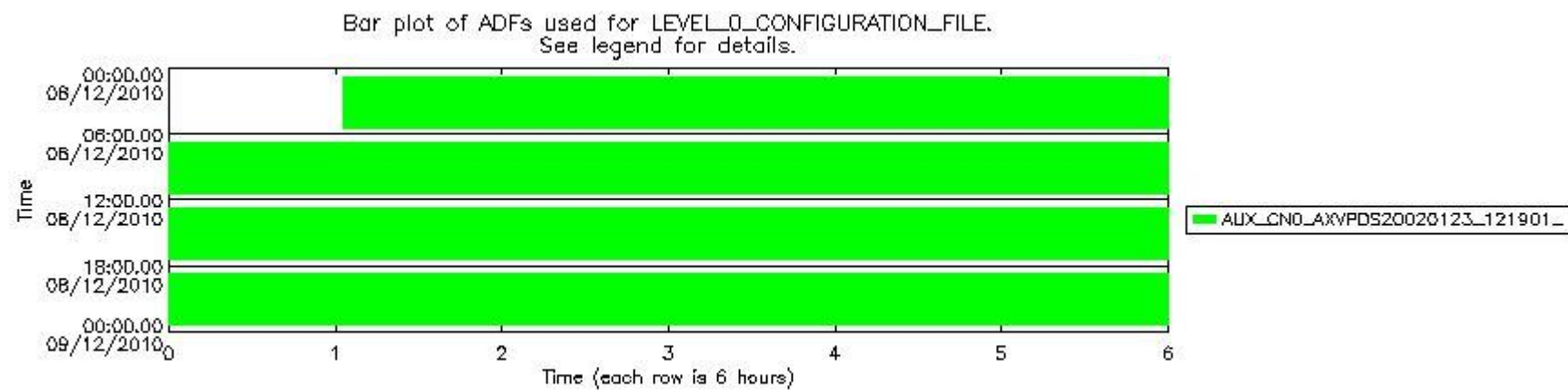
0.4 ADF monitoring

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

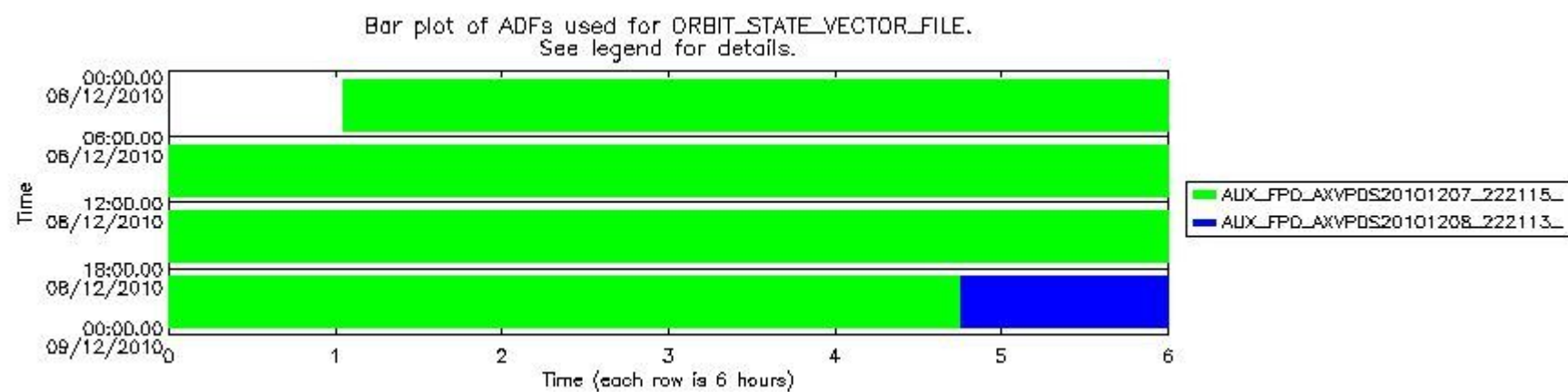
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

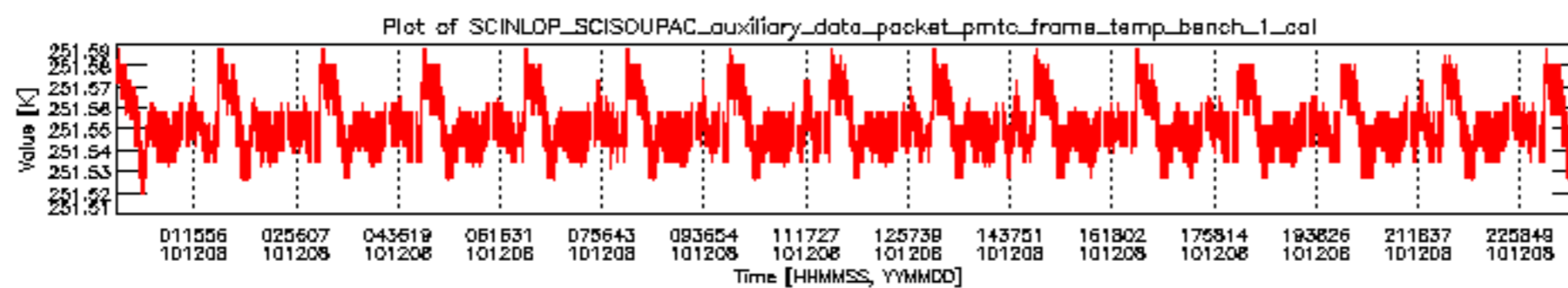
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20101207_222115_20101207_183458_20101217_204851
2	AUX_FPO_AXVPDS20101208_222113_20101208_193828_20101218_201208

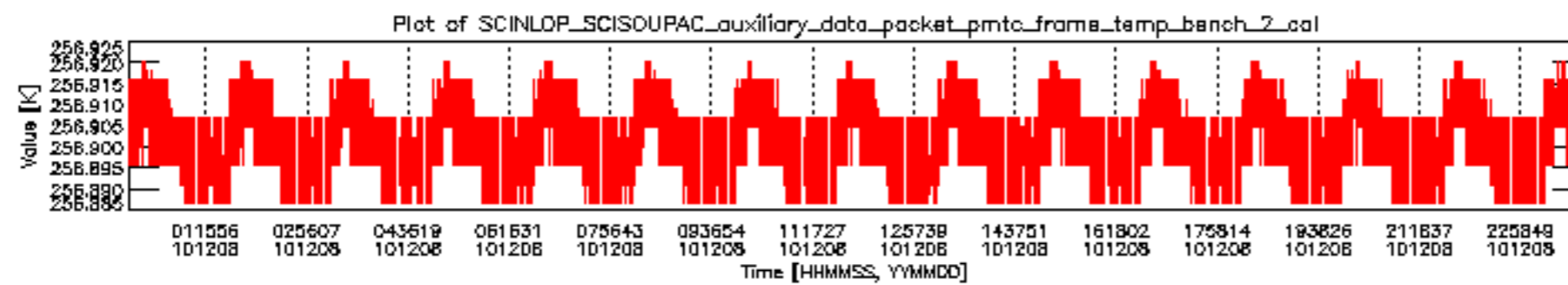


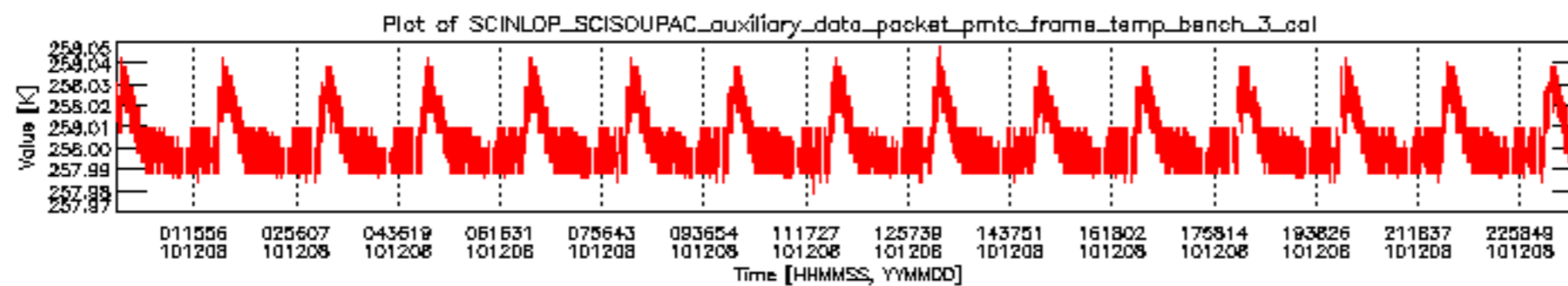
sciamachy_daily_report_level0_KSPT_L0_4504_N_20101208_7.PNG

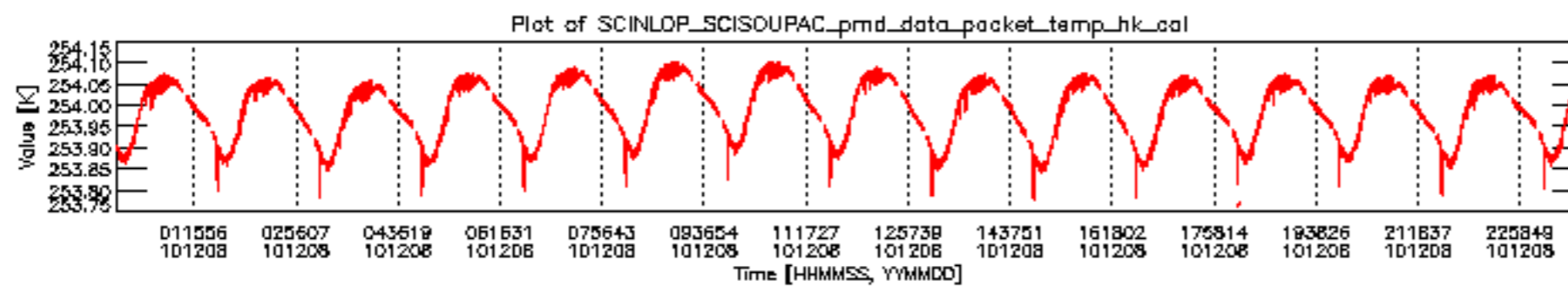


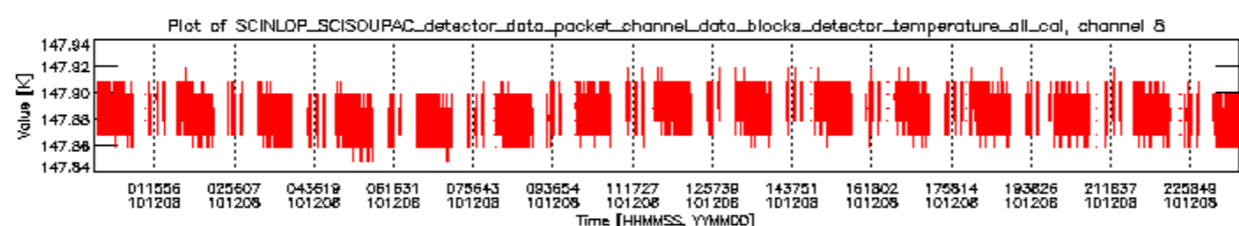
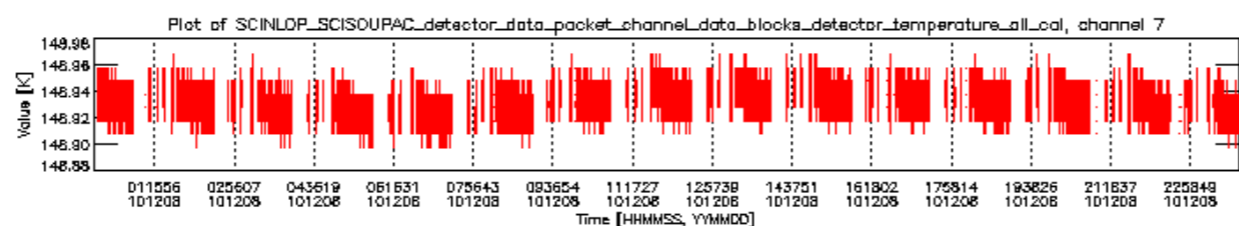
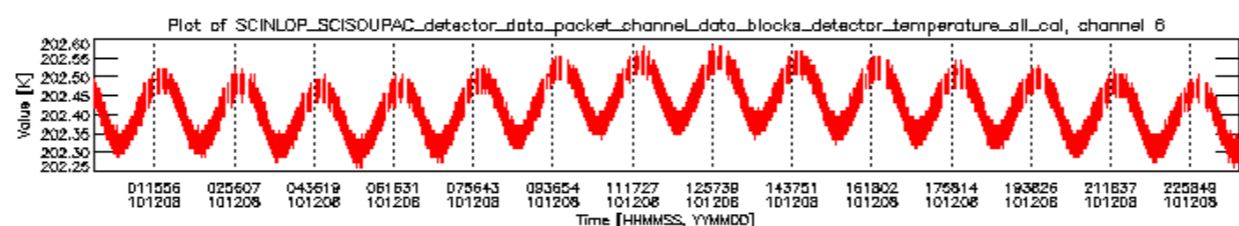
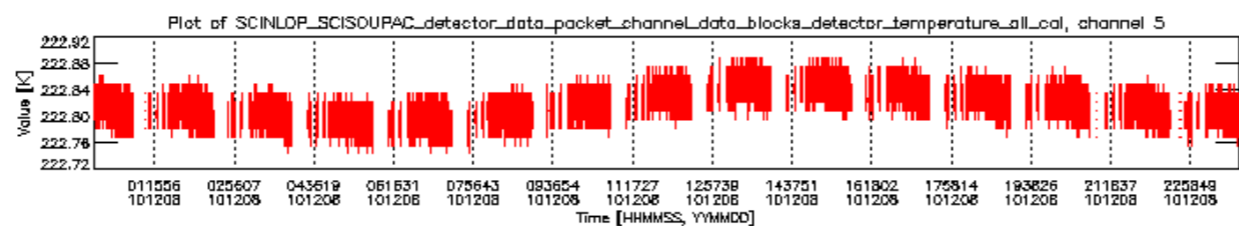
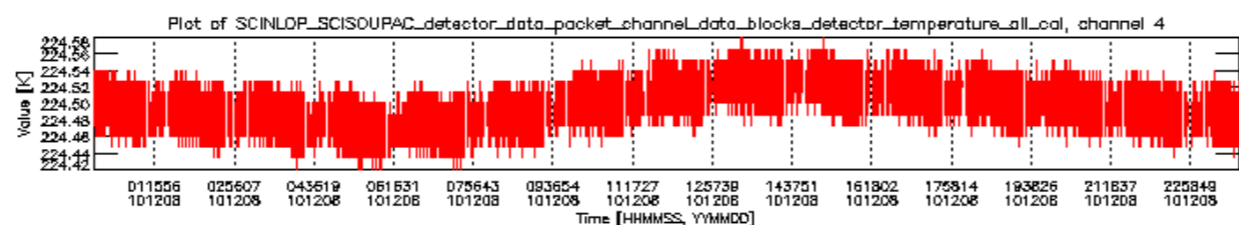
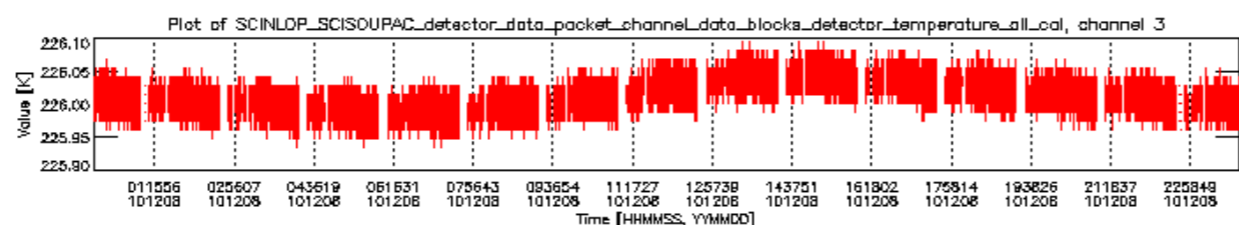
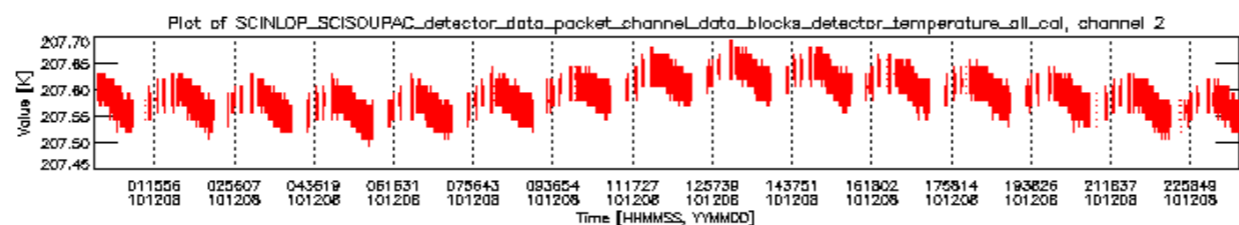
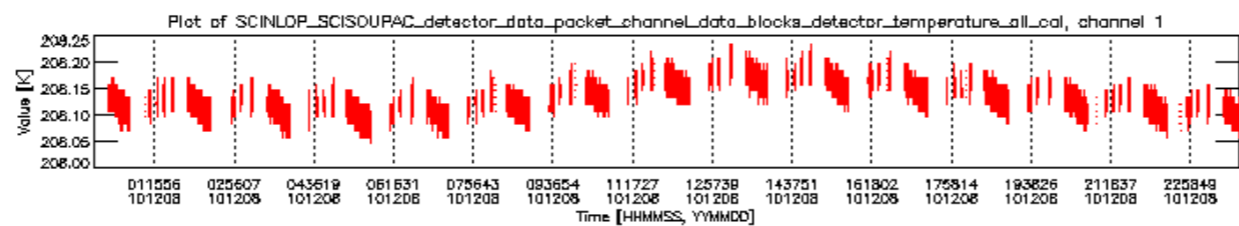
sciamachy_daily_report_level0_KSPT_L0_4504_N_20101208_8.PNG

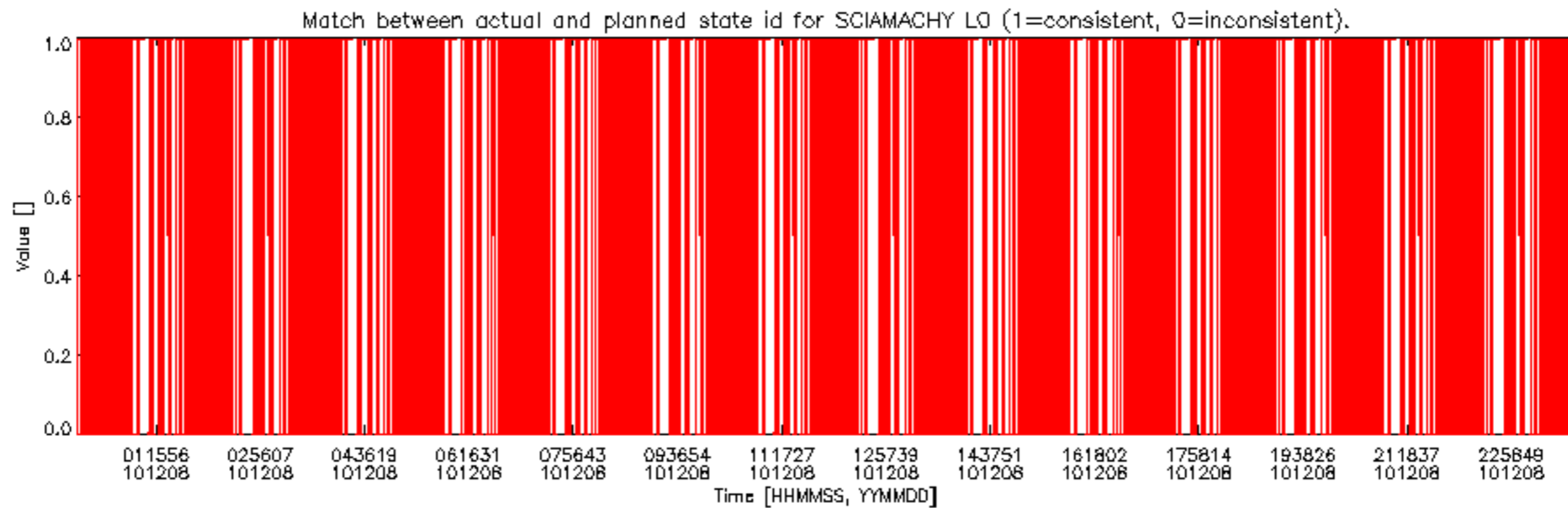
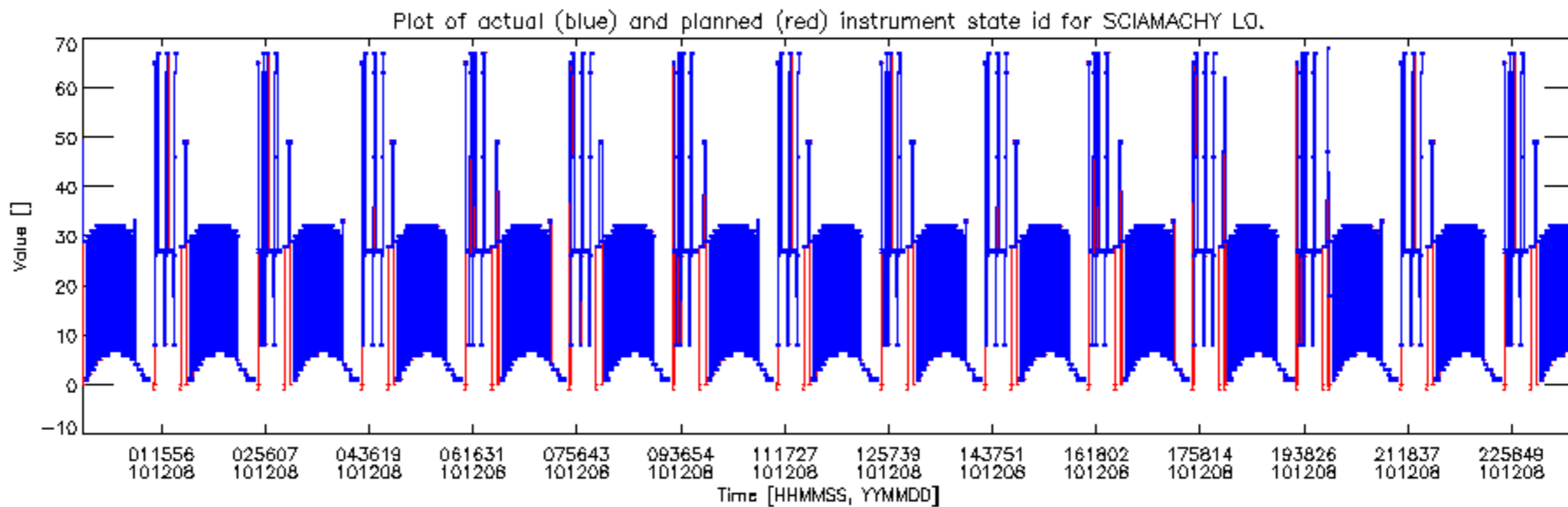












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