

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	26NOV2010 03:09:49
Data source version	KSPT_L0/4504-N
Processing scope for products	19NOV2010 00:00:00 to 20NOV2010 00:00:00
Start time of first product within scope	19NOV2010 01:03:34
Stop time of last product within scope	20NOV2010 00:21:48
Total number of Level 0 products	16
Number of Level 0 products with errors	1

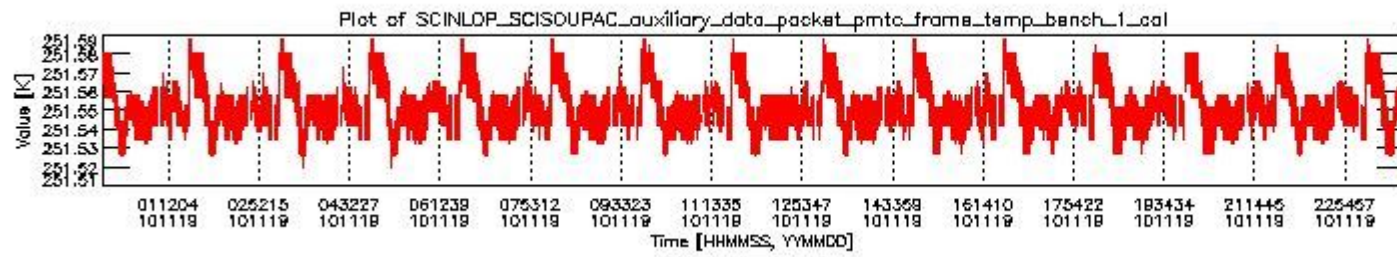
0.1.2 Summary per product

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

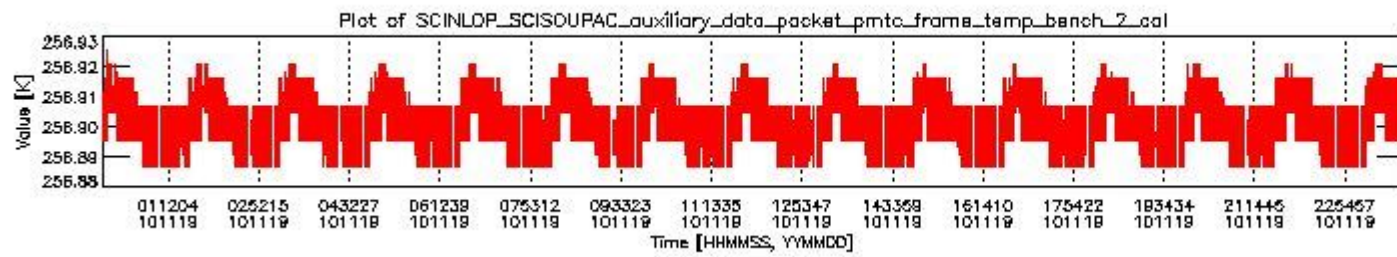
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20101119_010334_000099723096_00318_45591_1937.N1	19NOV2010 01:03:34	19NOV2010 03:49:46	0	0	0	0	0
1	SCI_NL__OPNPDE20101119_022358_000051483096_00319_45592_1938.N1	19NOV2010 02:23:58	19NOV2010 03:49:46	0	0	0	0	0
2	SCI_NL__OPNPDE20101119_034852_000063143096_00320_45593_1940.N1	19NOV2010 03:48:52	19NOV2010 05:34:06	0	0	0	0	0
3	SCI_NL__OPNPDE20101119_053312_000060143096_00321_45594_1941.N1	19NOV2010 05:33:12	19NOV2010 07:13:26	0	0	0	0	0
4	SCI_NL__OPNPDK20101119_071217_000040503096_00322_45595_3011.N1	19NOV2010 07:12:17	19NOV2010 08:19:48	0	0	0	0	0
5	SCI_NL__OPNPDK20101119_081948_000062063096_00323_45596_3013.N1	19NOV2010 08:19:48	19NOV2010 10:03:14	0	0	0	0	0
6	SCI_NL__OPNPDK20101119_100111_000058923096_00324_45597_3190.N1	19NOV2010 10:01:11	19NOV2010 11:39:22	0	0	0	0	0
7	SCI_NL__OPNPDK20101119_102435_000044873096_00324_45597_3014.N1	19NOV2010 10:24:35	19NOV2010 11:39:22	1	0	1	0	0
8	SCI_NL__OPNPDK20101119_113828_000060143096_00325_45598_3015.N1	19NOV2010 11:38:28	19NOV2010 13:18:42	0	0	0	0	0
9	SCI_NL__OPNPDK20101119_131748_000059603096_00326_45599_3016.N1	19NOV2010 13:17:48	19NOV2010 14:57:08	0	0	0	0	0
10	SCI_NL__OPNPDK20101119_145450_000060143096_00327_45600_3017.N1	19NOV2010 14:54:50	19NOV2010 16:35:05	0	0	0	0	0
11	SCI_NL__OPNPDK20101119_163410_000059063096_00328_45601_3018.N1	19NOV2010 16:34:10	19NOV2010 18:12:36	0	0	0	0	0
12	SCI_NL__OPNPDK20101119_181141_000057153096_00329_45602_3019.N1	19NOV2010 18:11:41	19NOV2010 19:46:56	0	0	0	0	0
13	SCI_NL__OPNPDE20101119_194656_000042253096_00330_45603_1942.N1	19NOV2010 19:46:56	19NOV2010 20:57:22	0	0	0	0	0
14	SCI_NL__OPNPDE20101119_205613_000063063096_00330_45603_1943.N1	19NOV2010 20:56:13	19NOV2010 22:41:20	0	0	0	0	0
15	SCI_NL__OPNPDE20101119_224641_000057083096_00331_45604_1944.N1	19NOV2010 22:46:41	20NOV2010 00:21:48	0	0	0	0	0

0.2 Product Quality Indicators

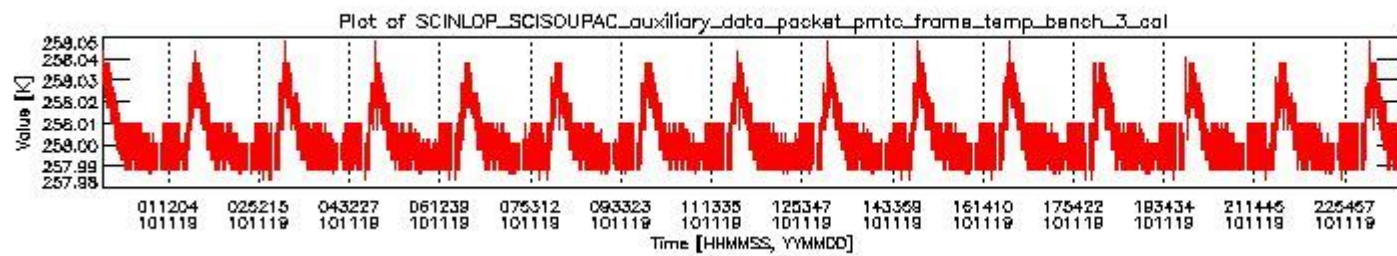
This section shows information about product quality, currently temperatures.



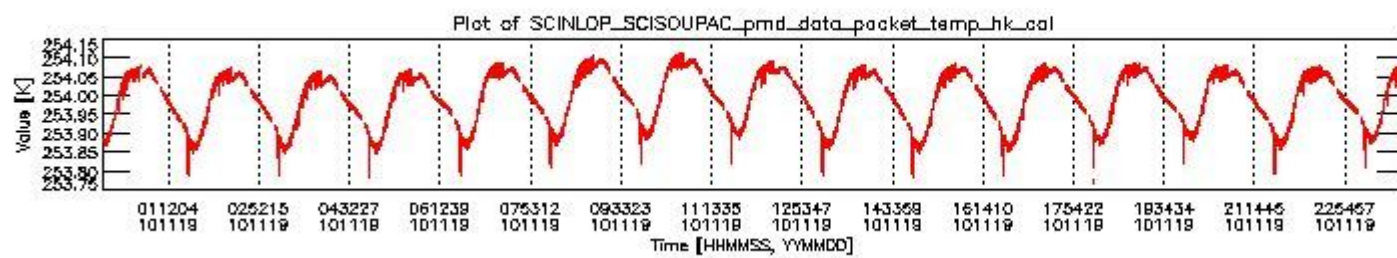
sciamachy_daily_report_level0_KSPT_L0_4504_N_20101119_0.PNG



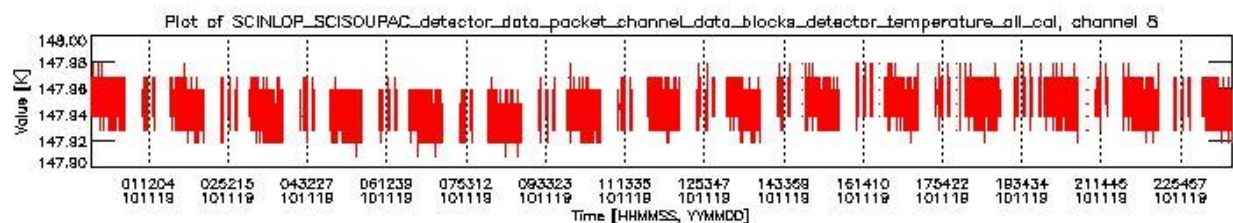
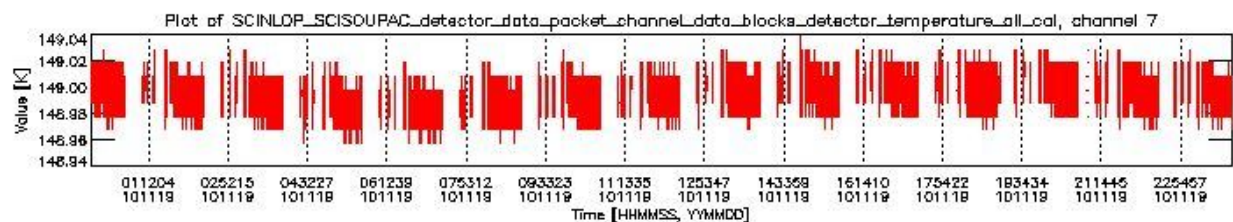
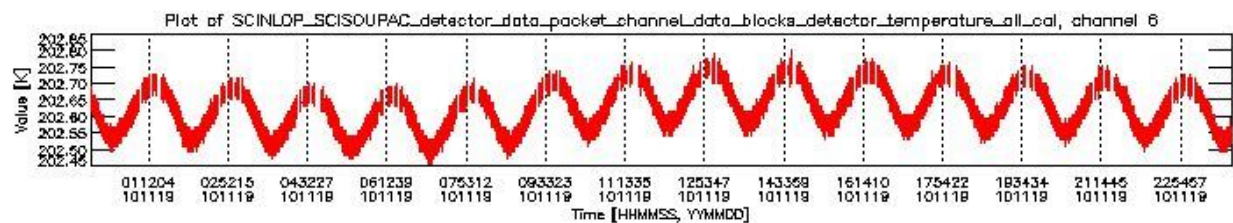
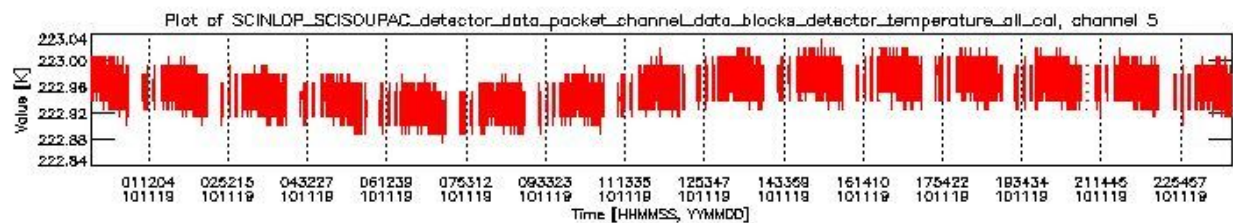
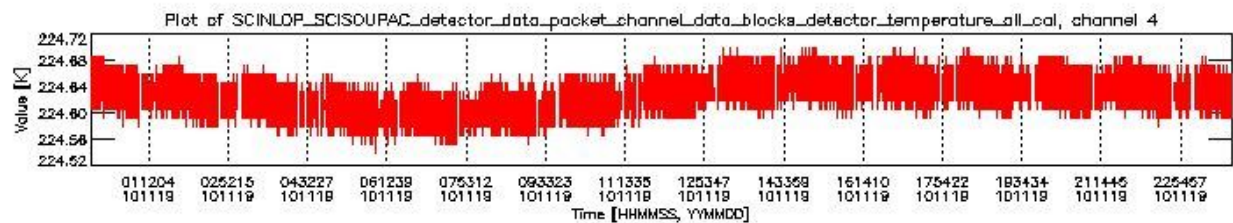
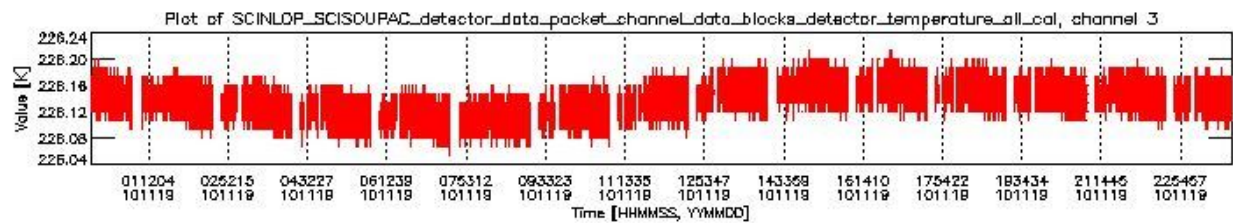
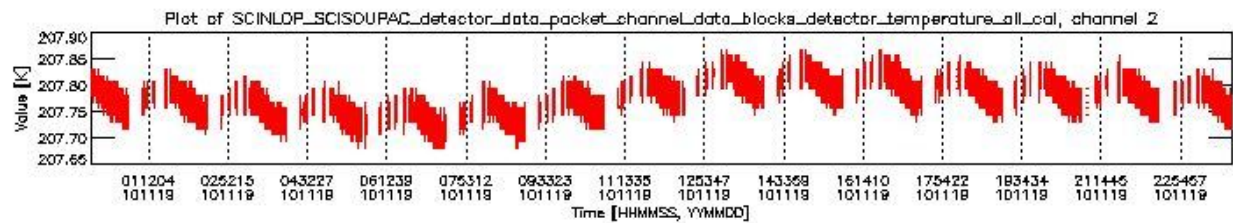
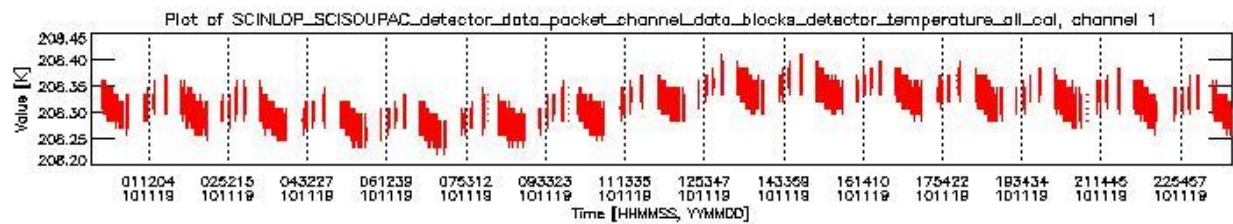
sciamachy_daily_report_level0_KSPT_L0_4504_N_20101119_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20101119_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20101119_3.PNG

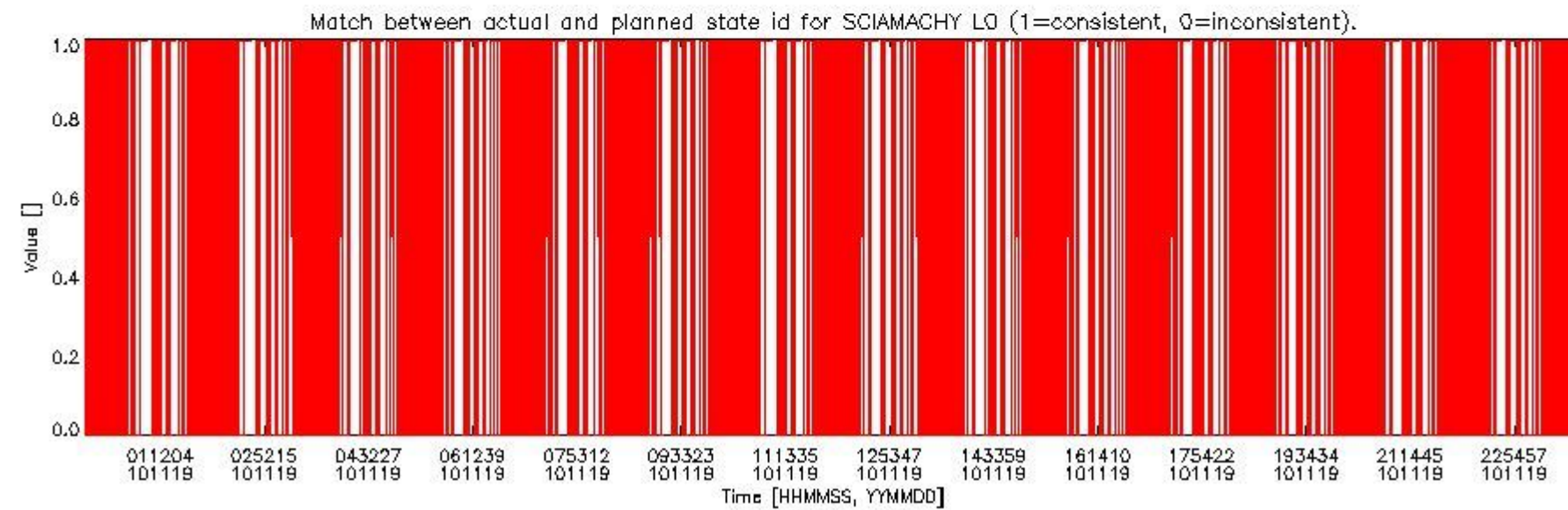
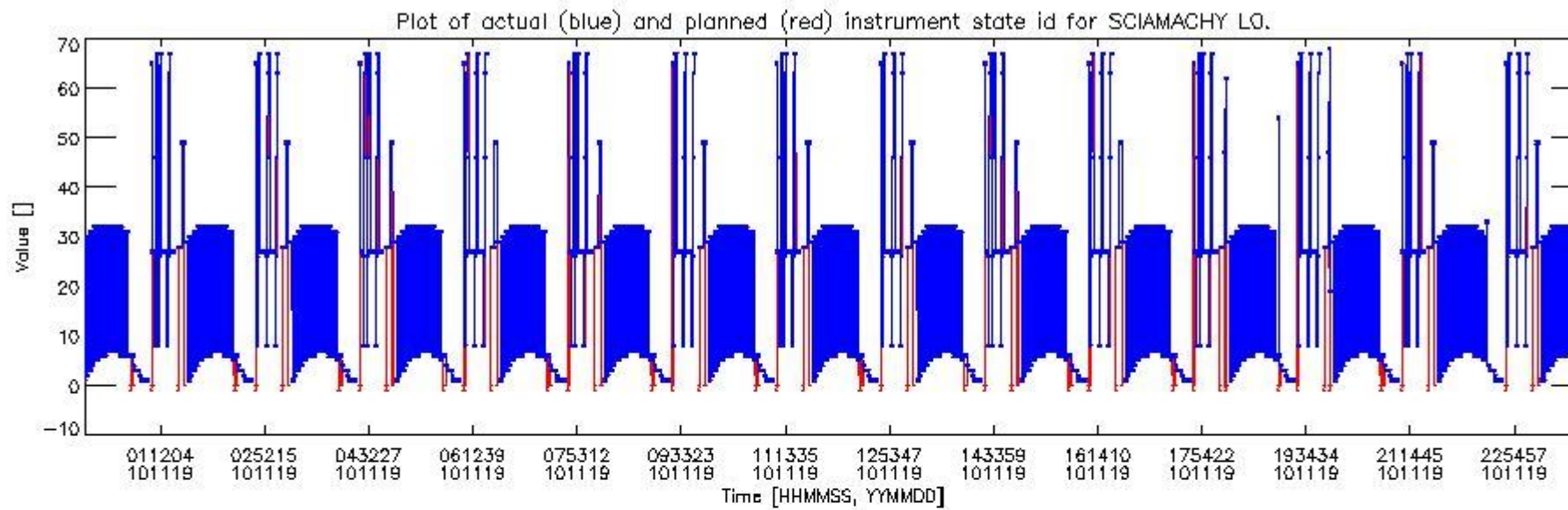


0.3 State monitoring

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: **27818**

#	Actual time	Actual value	Planned time	Planned value
0	19NOV2010 00:00:39.523502	2	19NOV2010 00:00:39.523502	30
1	19NOV2010 00:00:39.773502	2	19NOV2010 00:00:39.773502	30
2	19NOV2010 00:00:39.898502	2	19NOV2010 00:00:39.898502	30
3	19NOV2010 00:00:40.023502	2	19NOV2010 00:00:40.023502	30
4	19NOV2010 00:00:40.148502	2	19NOV2010 00:00:40.148502	30
5	19NOV2010 00:00:40.273502	2	19NOV2010 00:00:40.273502	30
6	19NOV2010 00:00:40.398502	2	19NOV2010 00:00:40.398502	30
7	19NOV2010 00:00:40.523502	2	19NOV2010 00:00:40.523502	30
8	19NOV2010 00:00:40.648502	2	19NOV2010 00:00:40.648502	30
9	19NOV2010 00:00:40.773502	2	19NOV2010 00:00:40.773502	30
10	19NOV2010 00:00:40.898502	2	19NOV2010 00:00:40.898502	30
11	19NOV2010 00:00:41.023502	2	19NOV2010 00:00:41.023502	30
12	19NOV2010 00:00:41.148502	2	19NOV2010 00:00:41.148502	30
13	19NOV2010 00:00:41.273502	2	19NOV2010 00:00:41.273502	30
14	19NOV2010 00:00:41.398502	2	19NOV2010 00:00:41.398502	30
15	19NOV2010 00:00:41.523502	2	19NOV2010 00:00:41.523502	30
16	19NOV2010 00:00:41.648502	2	19NOV2010 00:00:41.648502	30
17	19NOV2010 00:00:41.773502	2	19NOV2010 00:00:41.773502	30
18	19NOV2010 00:00:41.898502	2	19NOV2010 00:00:41.898502	30
19	19NOV2010 00:00:42.023502	2	19NOV2010 00:00:42.023502	30
...

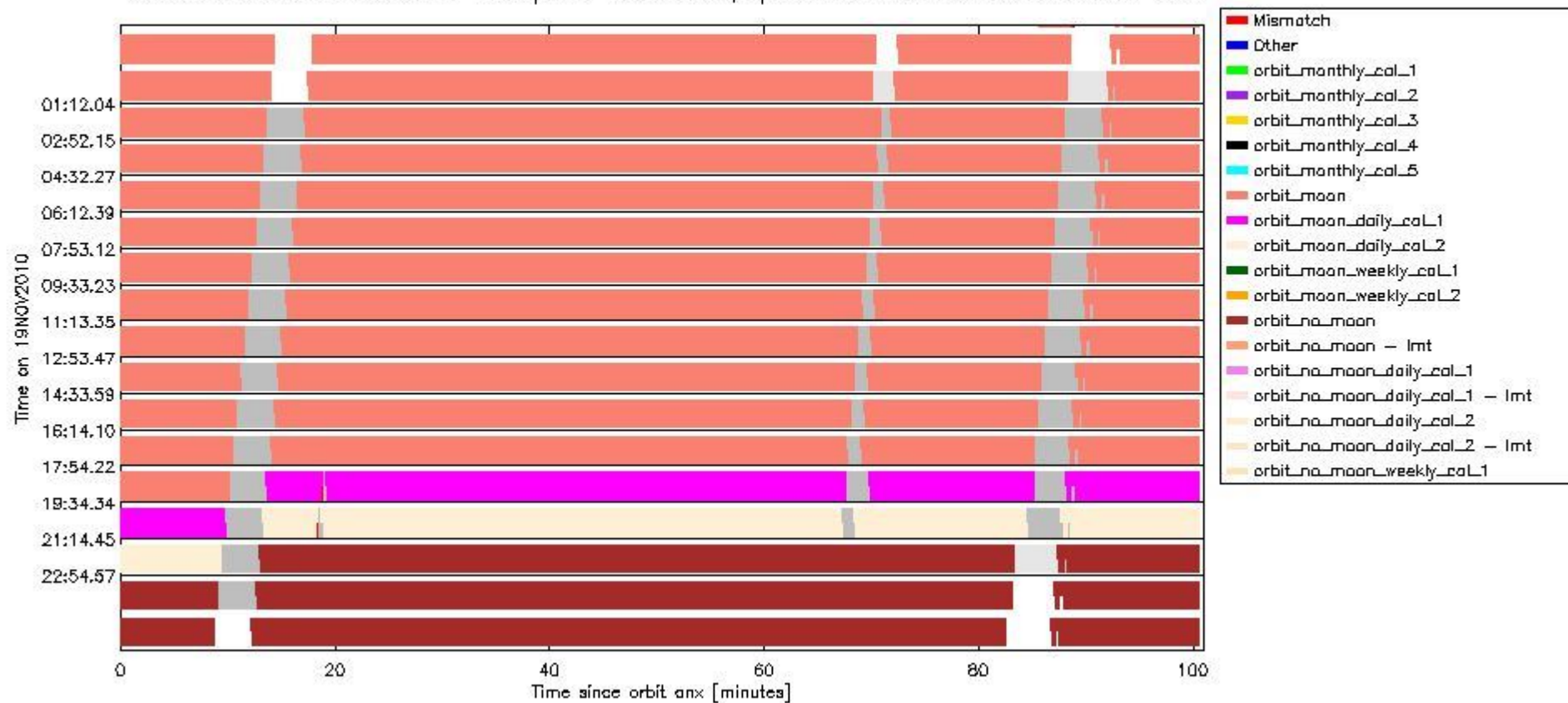


sciamachy_daily_report_level0_KSPT_L0_4504_N_20101119_5.PNG

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 19NOV2010.
 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_20101119_6.PNG

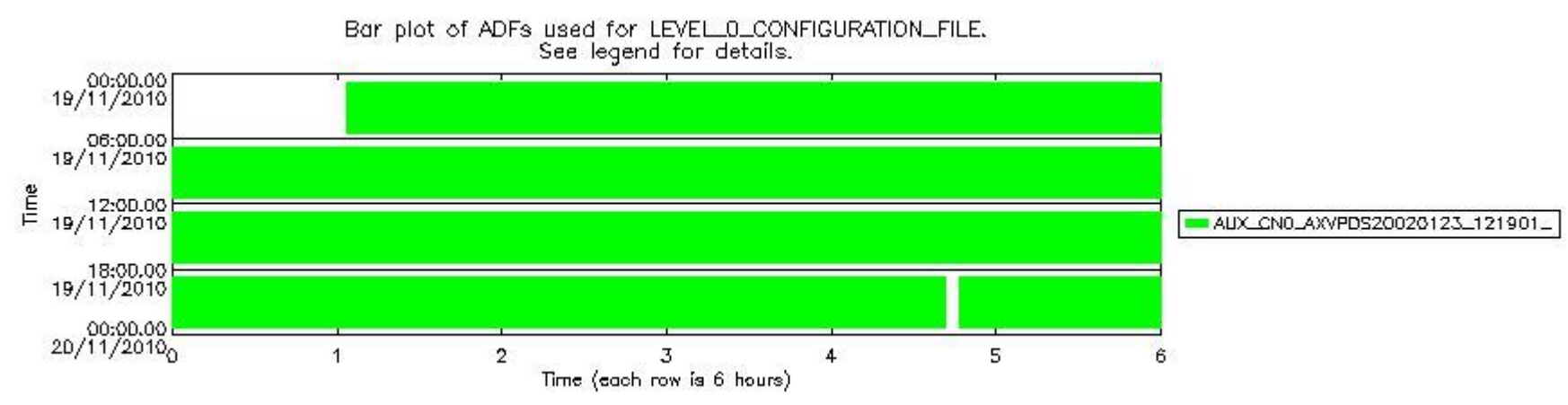
0.4 ADF monitoring

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

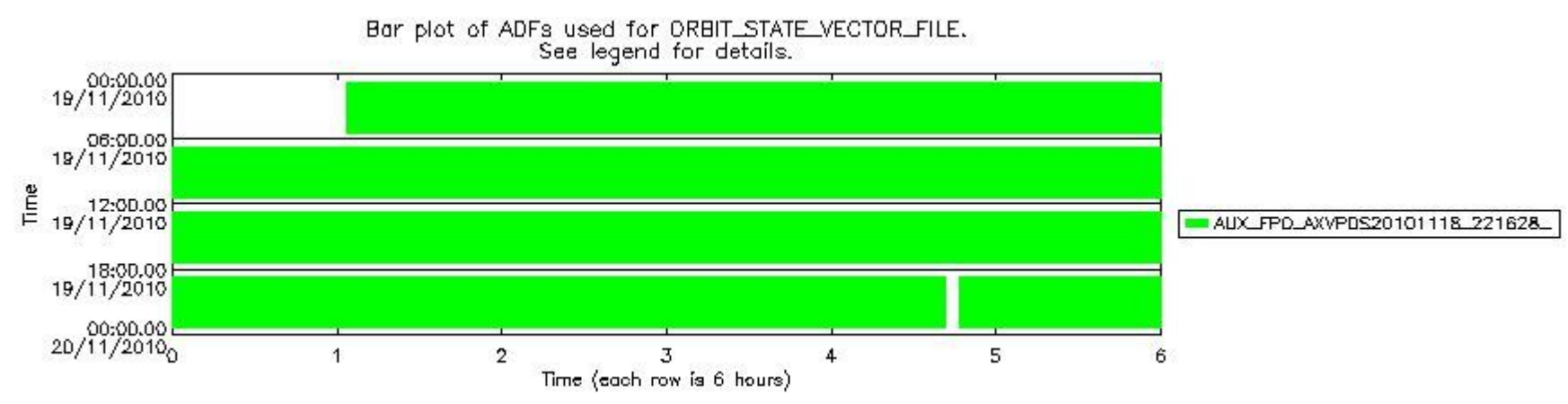
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

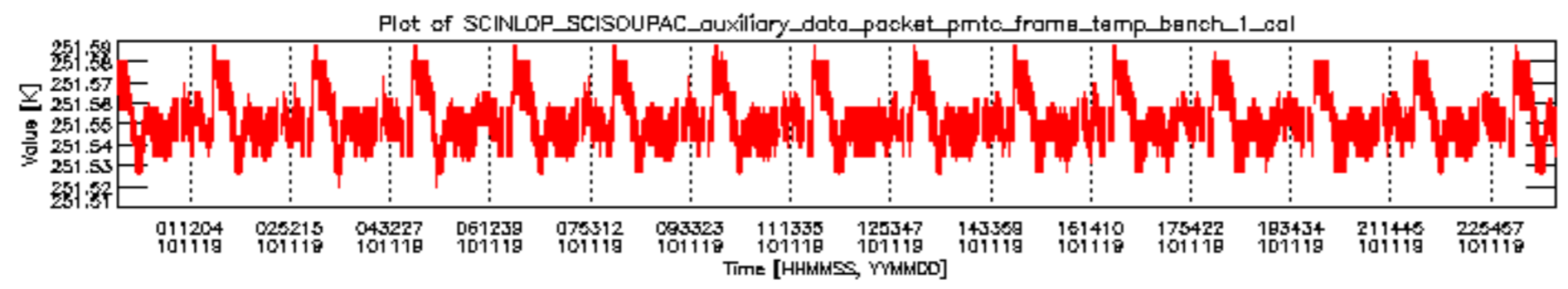
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20101118_221628_20101118_183107_20101128_204501

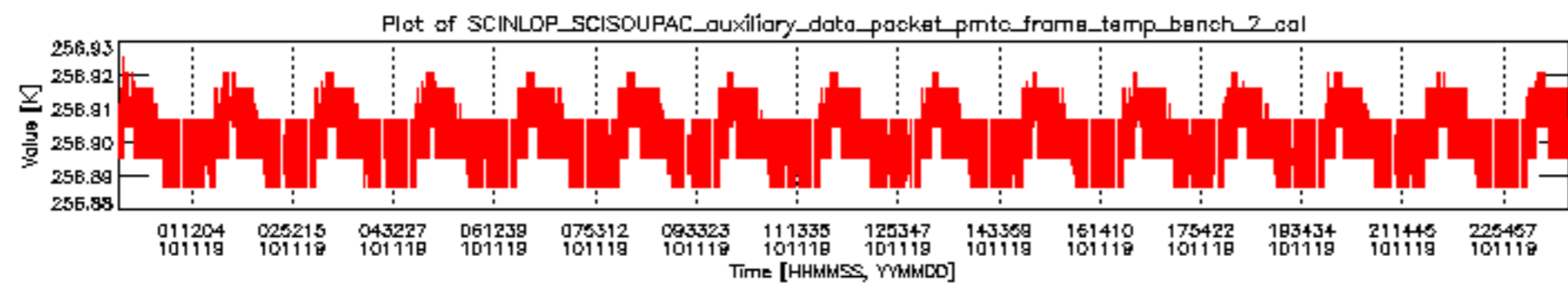


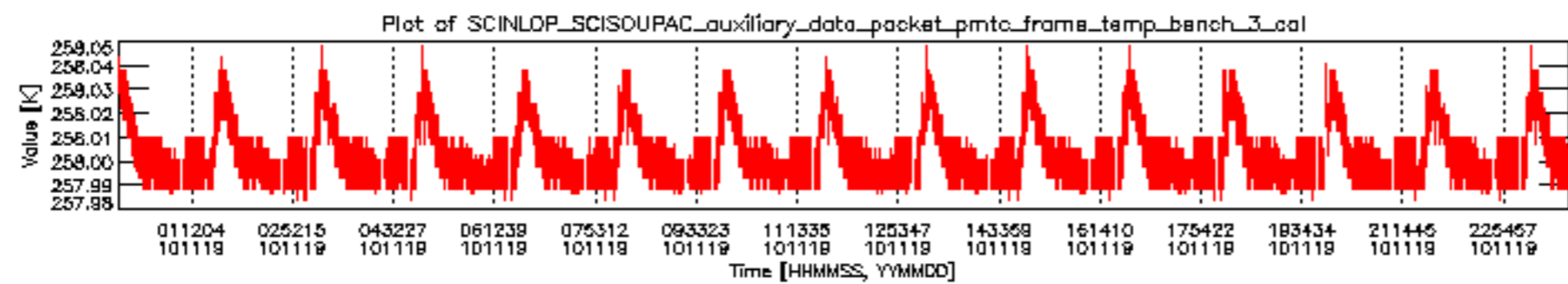
sciamachy_daily_report_level0_KSPT_L0_4504_N_20101119_7.PNG

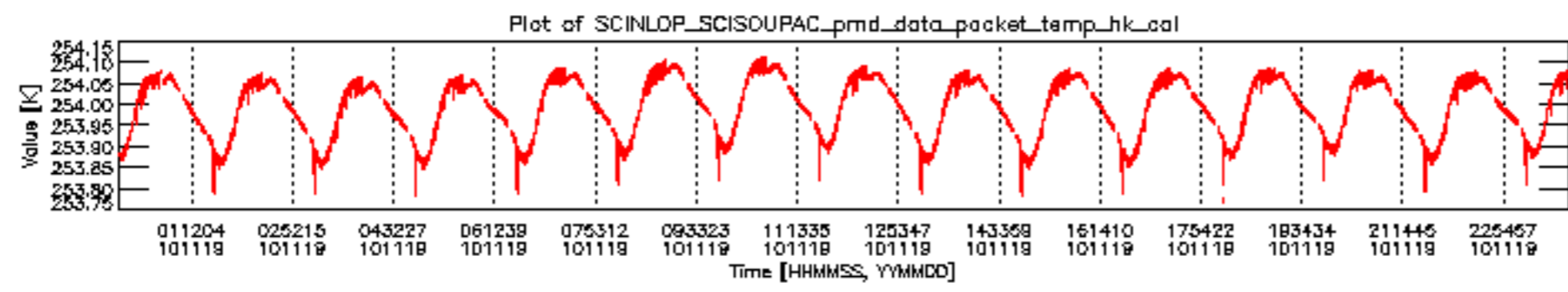


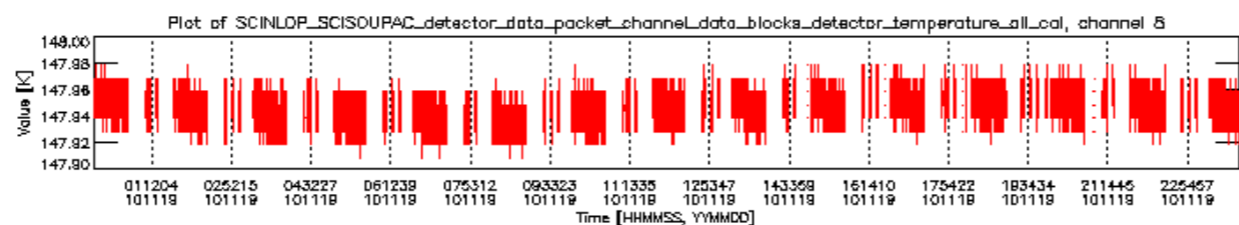
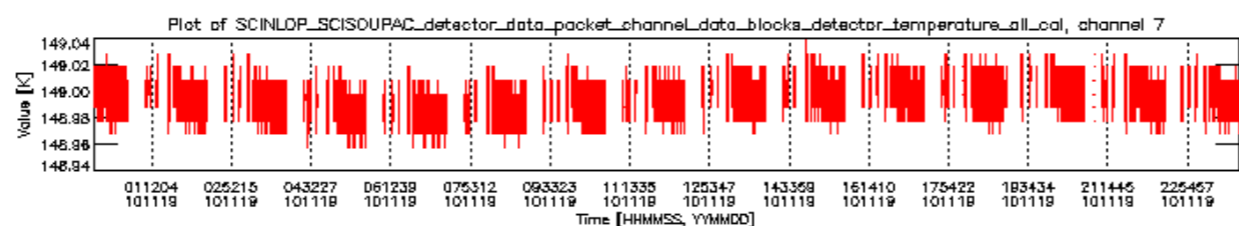
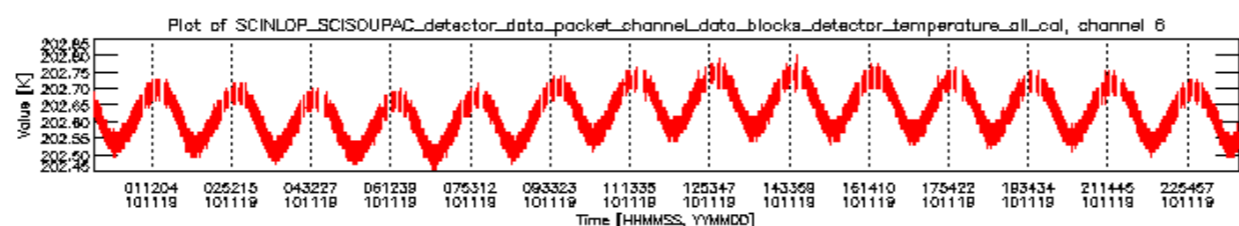
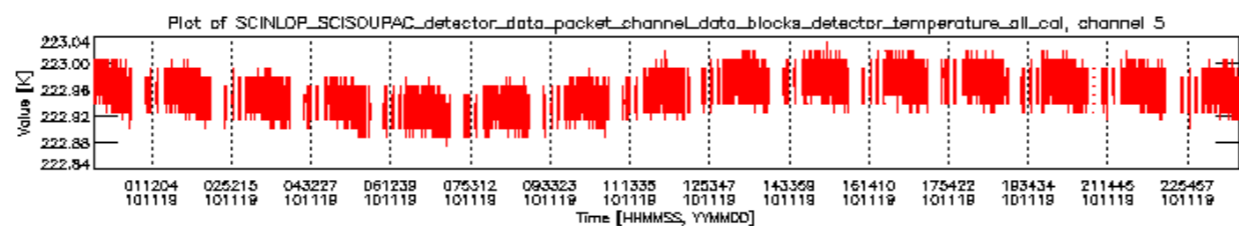
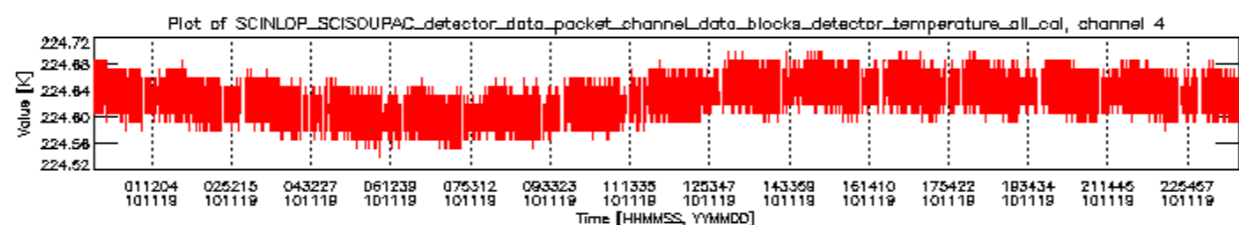
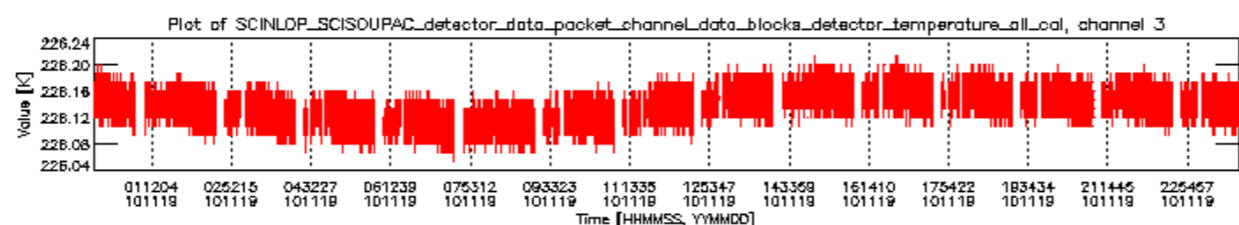
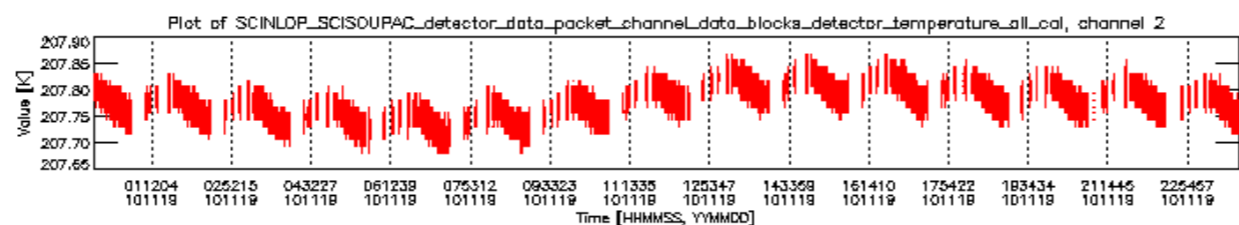
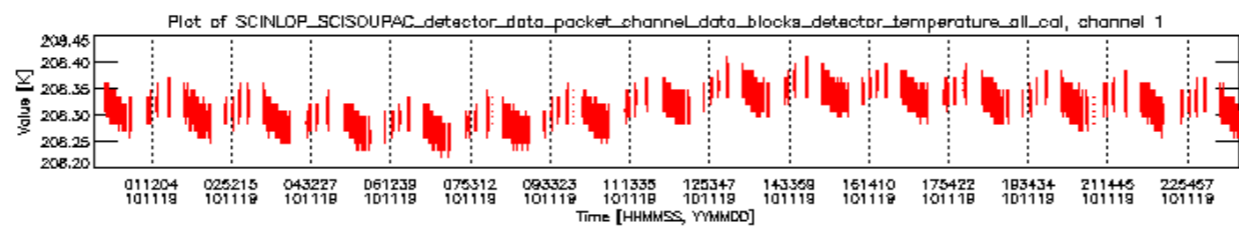
sciamachy_daily_report_level0_KSPT_L0_4504_N_20101119_8.PNG

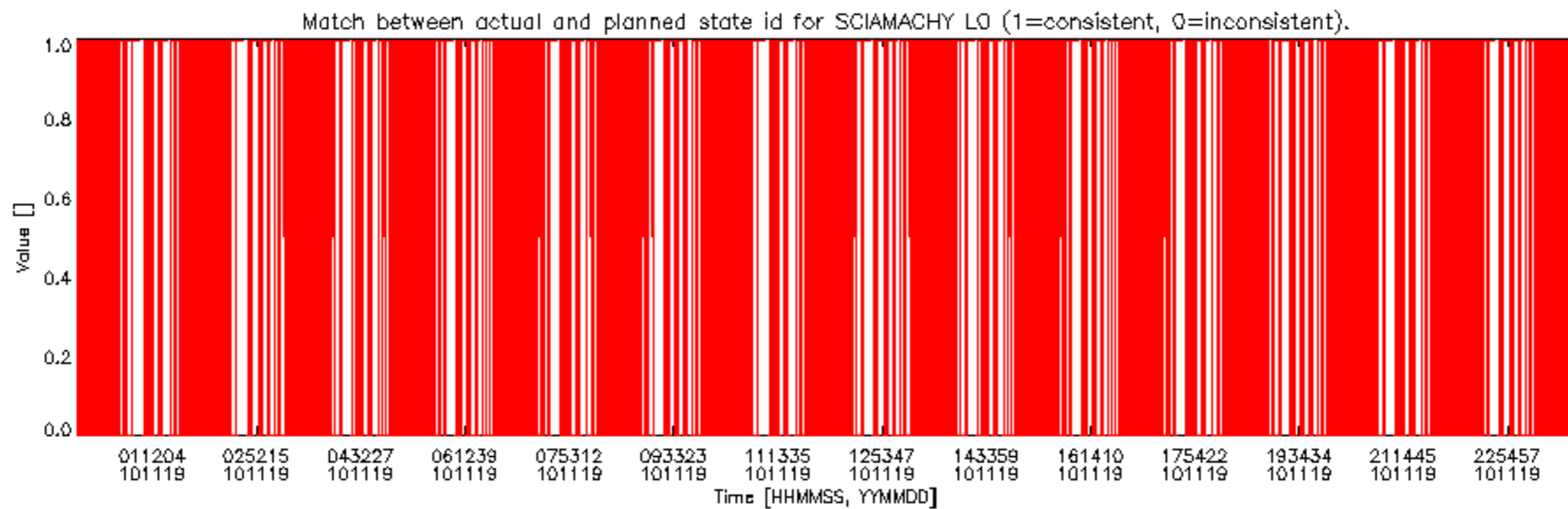
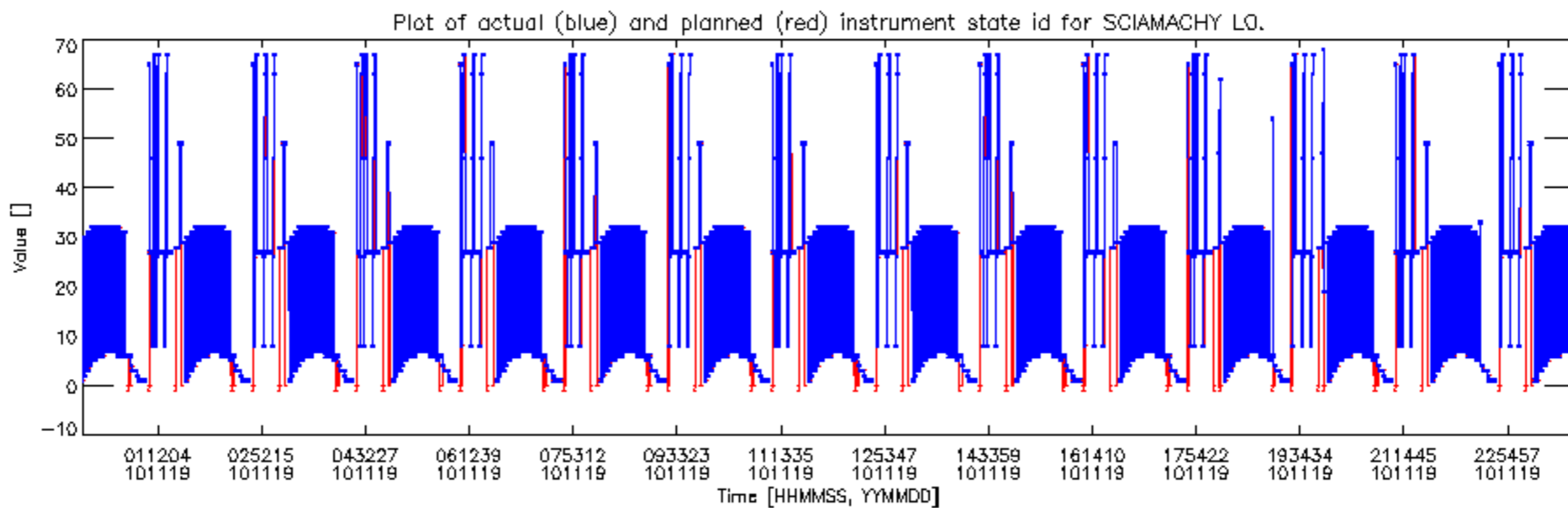












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