

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	22NOV2007 08:50:45
Data source version	KSPT_L0/4302-N
Processing scope for products	18NOV2007 00:00:00 to 19NOV2007 00:00:00
Start time of first product within scope	17NOV2007 23:34:22
Stop time of last product within scope	18NOV2007 22:56:57
Total number of level 0 products	16
Number of level 0 products with errors	1

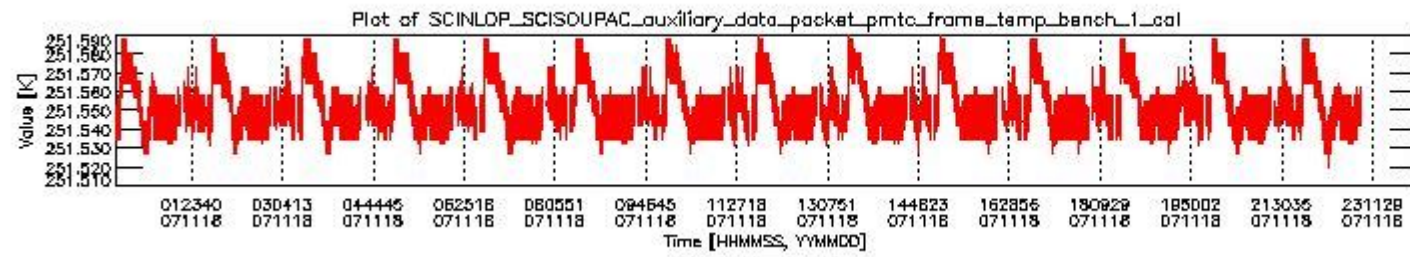
0.1.2 Summary per product

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

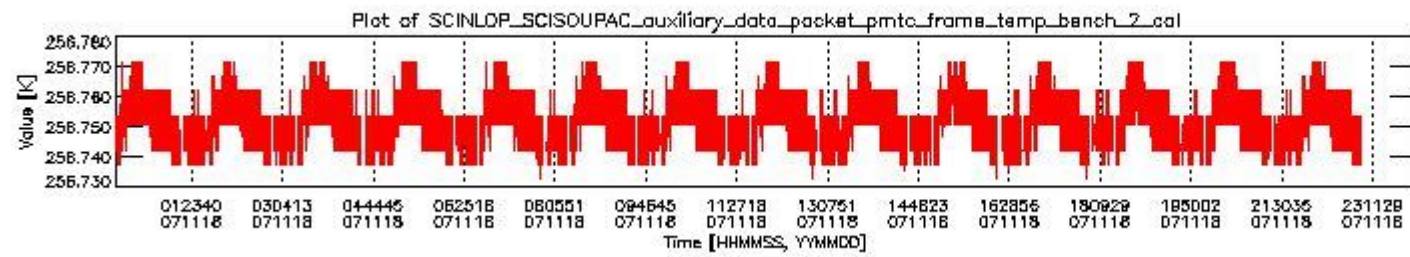
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20071117_233422_000056722063_00273_29886_5598.N1	17NOV2007 23:34:22	18NOV2007 01:08:54	0	0	0	0	0
1	SCI_NL__OPNPDE20071118_011458_000040602063_00274_29887_5599.N1	18NOV2007 01:14:58	18NOV2007 02:22:38	0	0	0	0	0
2	SCI_NL__OPNPDE20071118_022238_000061612063_00275_29888_5600.N1	18NOV2007 02:22:38	18NOV2007 04:05:18	0	0	0	0	0
3	SCI_NL__OPNPDE20071118_040518_000060362063_00276_29889_5601.N1	18NOV2007 04:05:18	18NOV2007 05:45:54	0	0	0	0	0
4	SCI_NL__OPNPDE20071118_054554_000061612063_00277_29890_5602.N1	18NOV2007 05:45:54	18NOV2007 07:28:35	0	0	0	0	0
5	SCI_NL__OPNPDK20071118_072835_000038652063_00278_29891_6663.N1	18NOV2007 07:28:35	18NOV2007 08:33:00	0	0	0	0	0
6	SCI_NL__OPNPDK20071118_083152_000061612063_00279_29892_6664.N1	18NOV2007 08:31:52	18NOV2007 10:14:32	1	1	0	0	0
7	SCI_NL__OPNPDK20071118_101228_000060362063_00280_29893_6665.N1	18NOV2007 10:12:28	18NOV2007 11:53:04	0	0	0	0	0
8	SCI_NL__OPNPDK20071118_115112_000060922063_00281_29894_6666.N1	18NOV2007 11:51:12	18NOV2007 13:32:44	0	0	0	0	0
9	SCI_NL__OPNPDK20071118_133148_000060362063_00282_29895_6667.N1	18NOV2007 13:31:48	18NOV2007 15:12:25	0	0	0	0	0
10	SCI_NL__OPNPDK20071118_151129_000058982063_00283_29896_6668.N1	18NOV2007 15:11:29	18NOV2007 16:49:47	0	0	0	0	0
11	SCI_NL__OPNPDK20071118_164754_000059802063_00284_29897_6669.N1	18NOV2007 16:47:54	18NOV2007 18:27:35	0	0	0	0	0
12	SCI_NL__OPNPDK20071118_182639_000060922063_00285_29898_6670.N1	18NOV2007 18:26:39	18NOV2007 20:08:11	0	0	0	0	0
13	SCI_NL__OPNPDE20071118_200715_000041542063_00286_29899_5603.N1	18NOV2007 20:07:15	18NOV2007 21:16:29	0	0	0	0	0
14	SCI_NL__OPNPDE20071118_211629_000060282063_00286_29899_5604.N1	18NOV2007 21:16:29	18NOV2007 22:56:57	0	0	0	0	0
15	SCI_NL__OPNPDE20071118_225657_000000002063_00287_29900_5605.N1	18NOV2007 22:56:57	18NOV2007 22:56:57	0	0	0	0	0

0.2 Product Quality Indicators

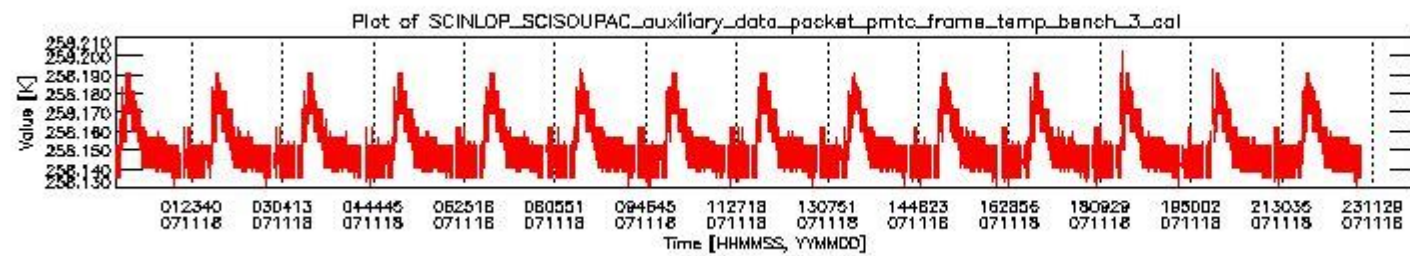
This section shows information about product quality, currently temperatures.



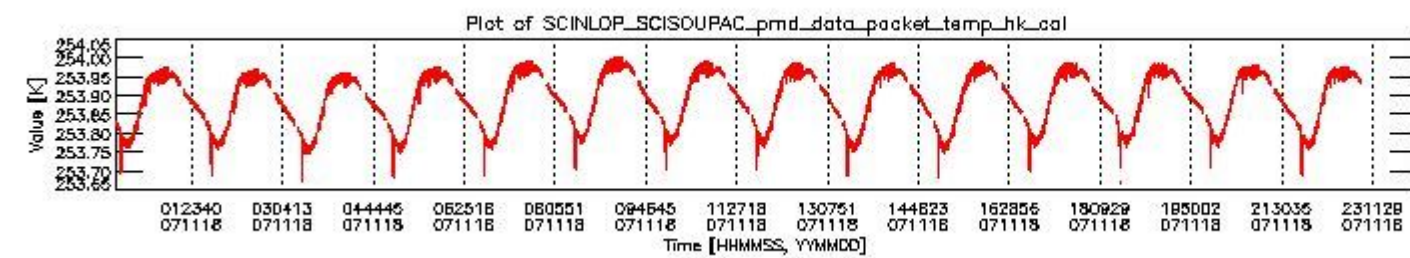
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071118_0.PNG



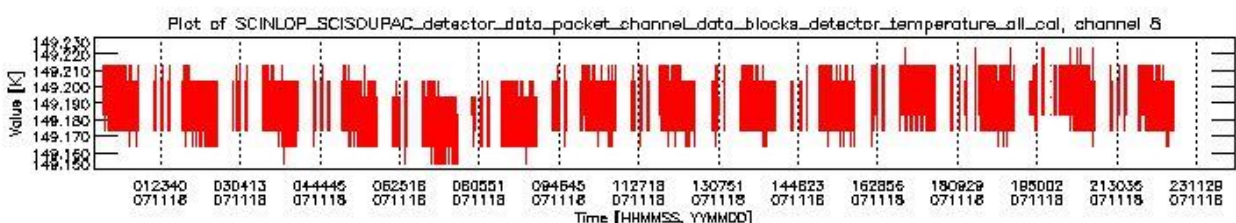
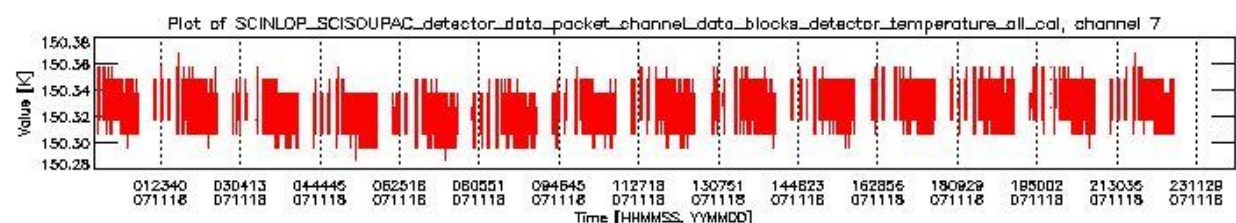
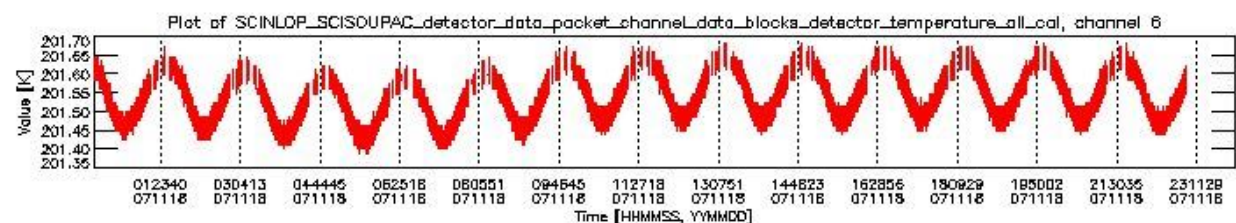
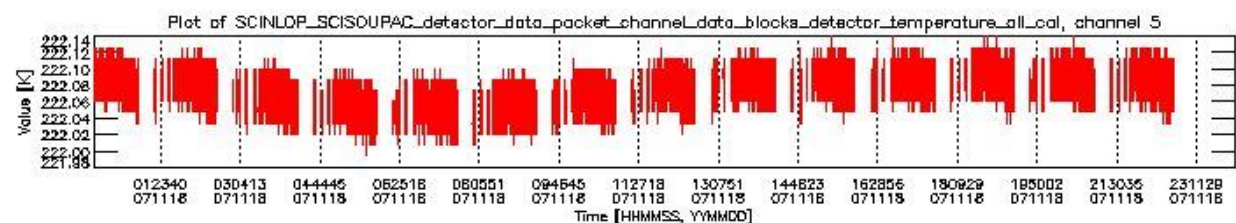
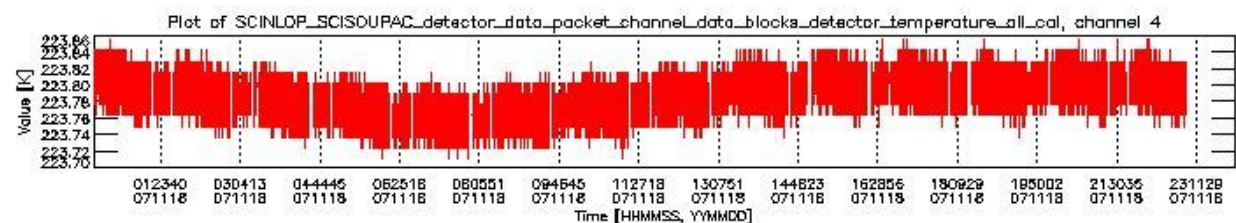
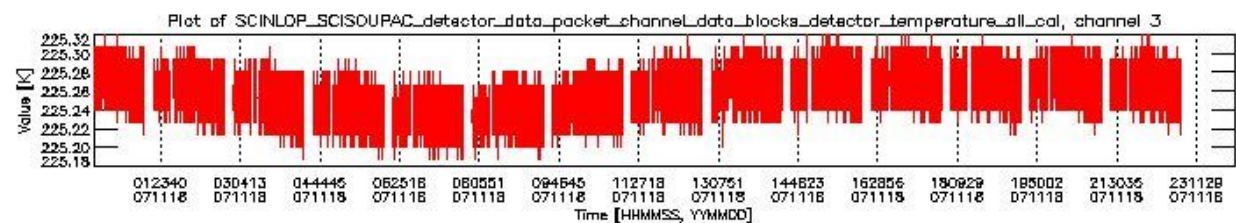
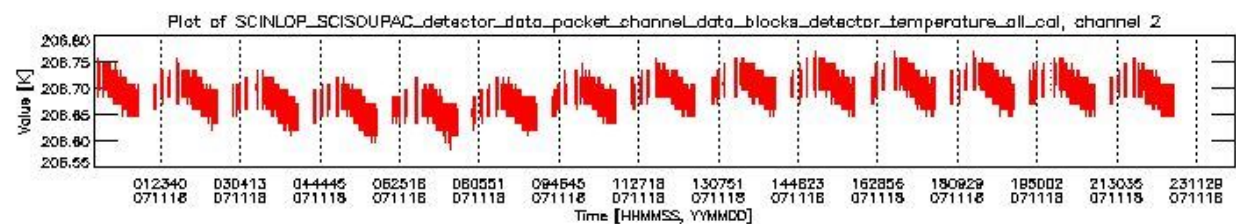
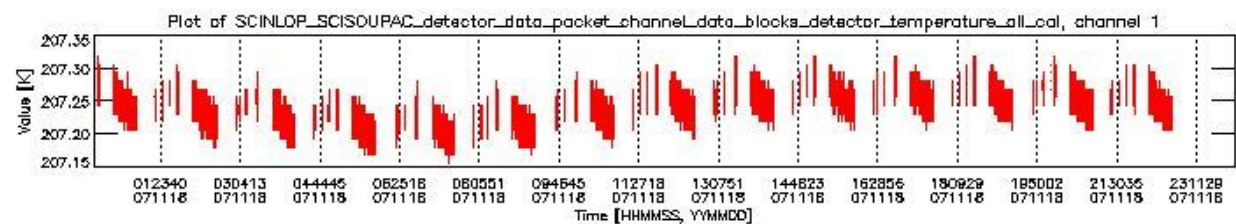
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071118_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071118_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071118_3.PNG

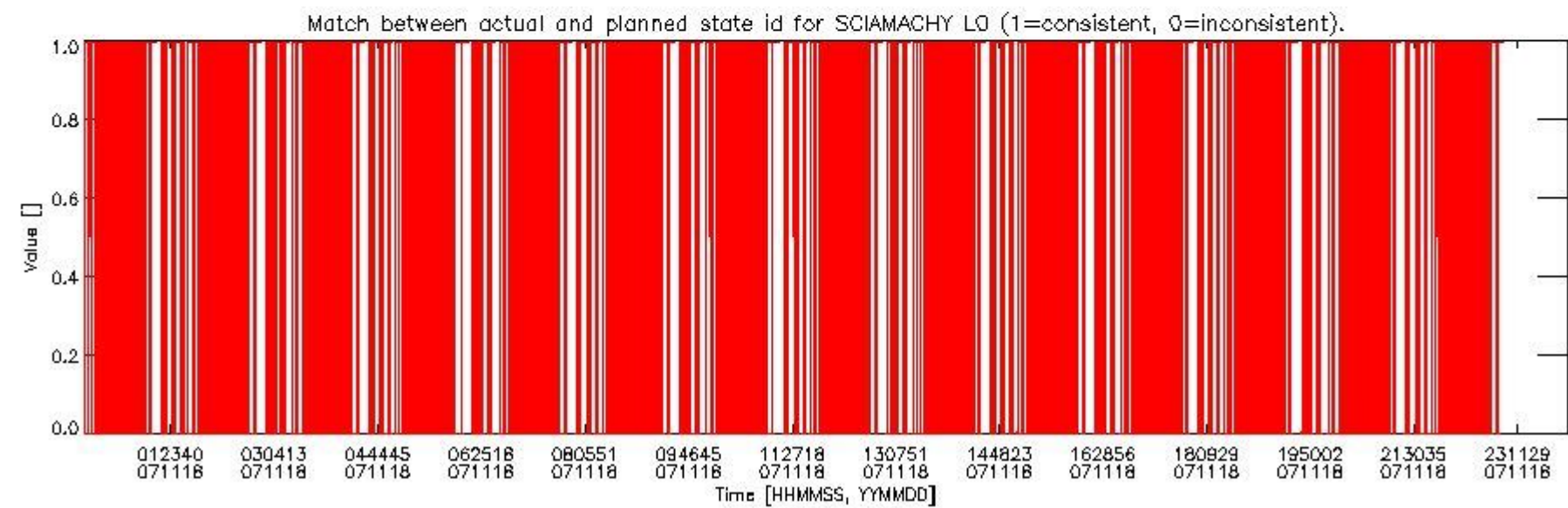
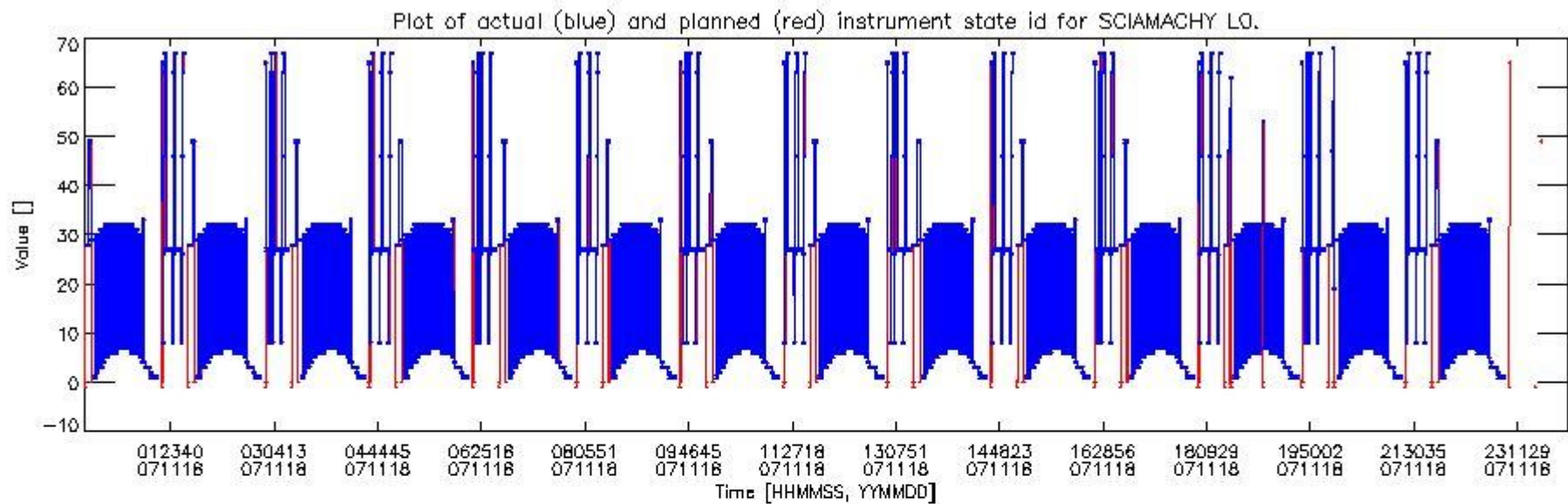


0.3 State monitoring

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: **37583**

#	Actual time	Actual value	Planned time	Planned value
0	18NOV2007 00:00:00.957790	28	18NOV2007 00:00:00.957790	0
1	18NOV2007 00:00:01.582772	28	18NOV2007 00:00:01.582772	0
2	18NOV2007 00:00:01.957785	28	18NOV2007 00:00:01.957785	0
3	18NOV2007 00:00:02.332757	28	18NOV2007 00:00:02.332757	0
4	18NOV2007 00:00:02.895257	28	18NOV2007 00:00:02.895257	0
5	18NOV2007 00:00:03.270270	28	18NOV2007 00:00:03.270270	0
6	18NOV2007 00:00:03.645283	28	18NOV2007 00:00:03.645283	0
7	18NOV2007 00:00:04.020256	28	18NOV2007 00:00:04.020256	0
8	18NOV2007 00:00:04.582755	28	18NOV2007 00:00:04.582755	0
9	18NOV2007 00:00:04.957768	28	18NOV2007 00:00:04.957768	0
10	18NOV2007 00:00:05.332781	28	18NOV2007 00:00:05.332781	0
11	18NOV2007 00:00:05.707754	28	18NOV2007 00:00:05.707754	0
12	18NOV2007 00:00:05.957763	28	18NOV2007 00:00:05.957763	0
13	18NOV2007 00:00:06.270254	28	18NOV2007 00:00:06.270254	0
14	18NOV2007 00:00:06.645267	28	18NOV2007 00:00:06.645267	0
15	18NOV2007 00:00:07.020280	28	18NOV2007 00:00:07.020280	0
16	18NOV2007 00:00:07.395253	28	18NOV2007 00:00:07.395253	0
17	18NOV2007 00:00:07.957792	28	18NOV2007 00:00:07.957792	0
18	18NOV2007 00:00:08.332765	28	18NOV2007 00:00:08.332765	0
19	18NOV2007 00:00:08.707778	28	18NOV2007 00:00:08.707778	0
...

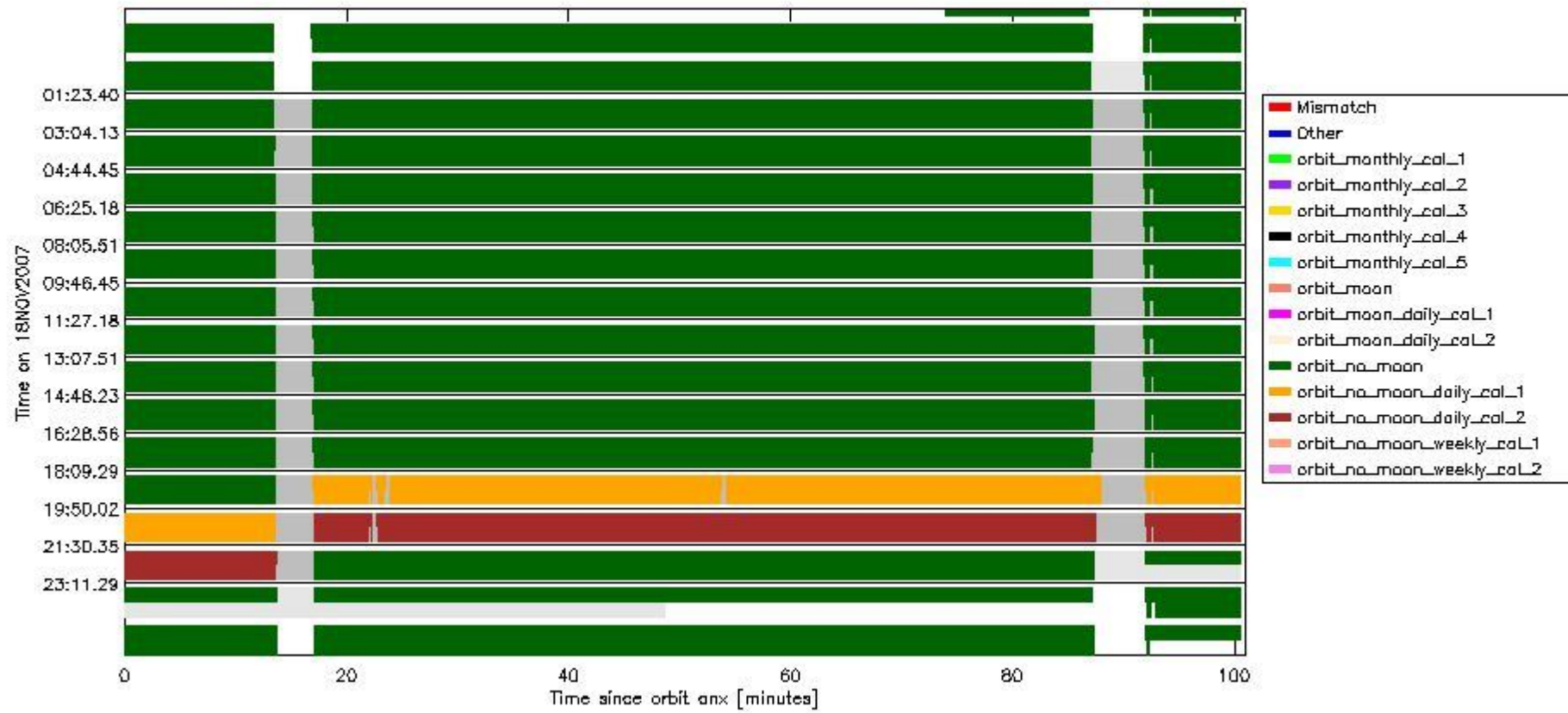


sciamachy_daily_report_level0_KSPT_L0_4302_N_20071118_5.PNG

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 18NOV2007.
 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_4302_N_20071118_6.PNG

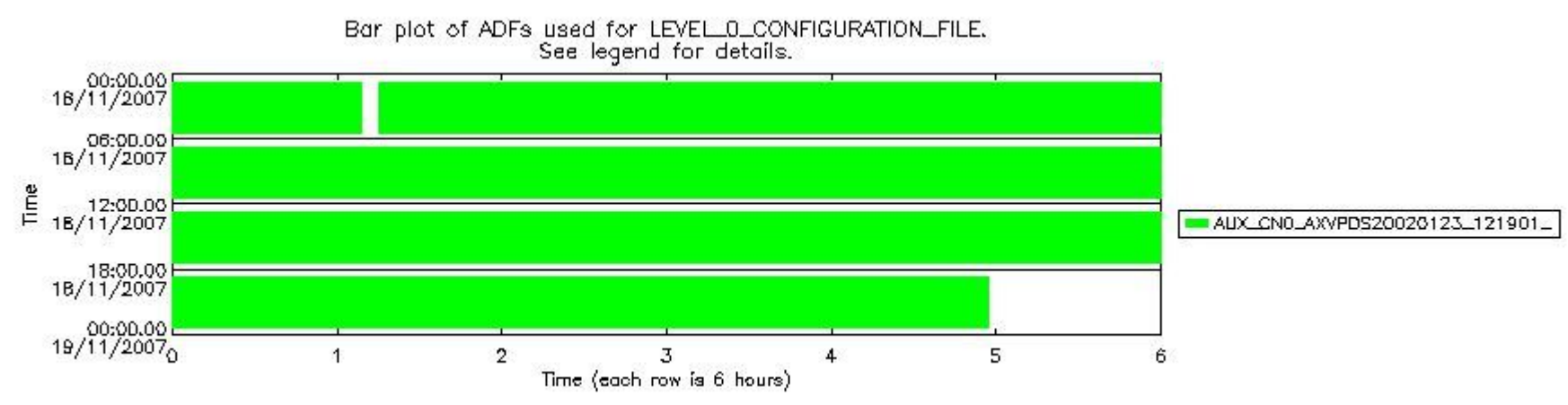
0.4 ADF monitoring

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

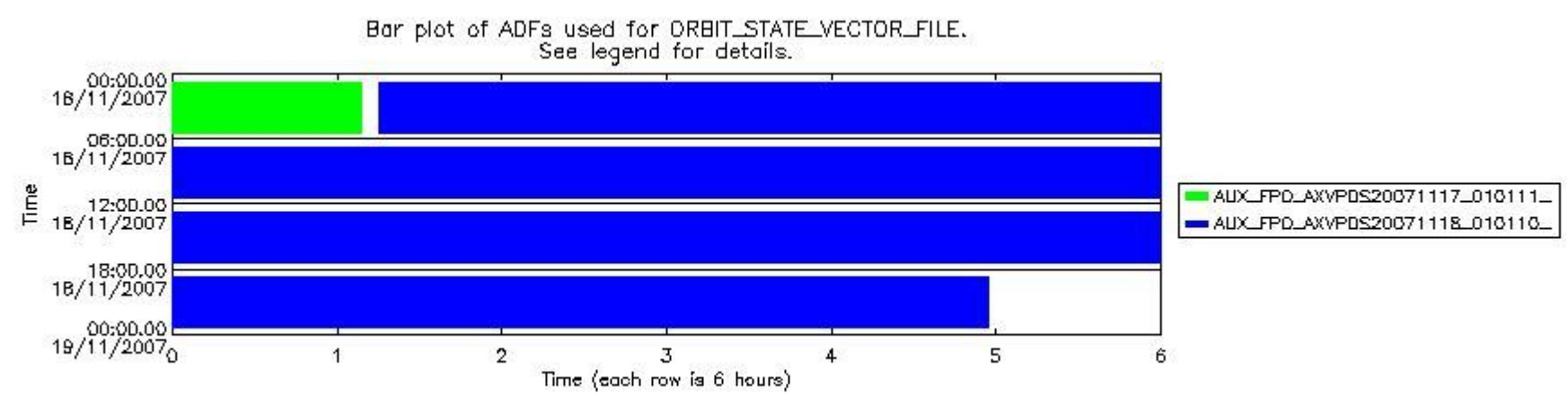
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

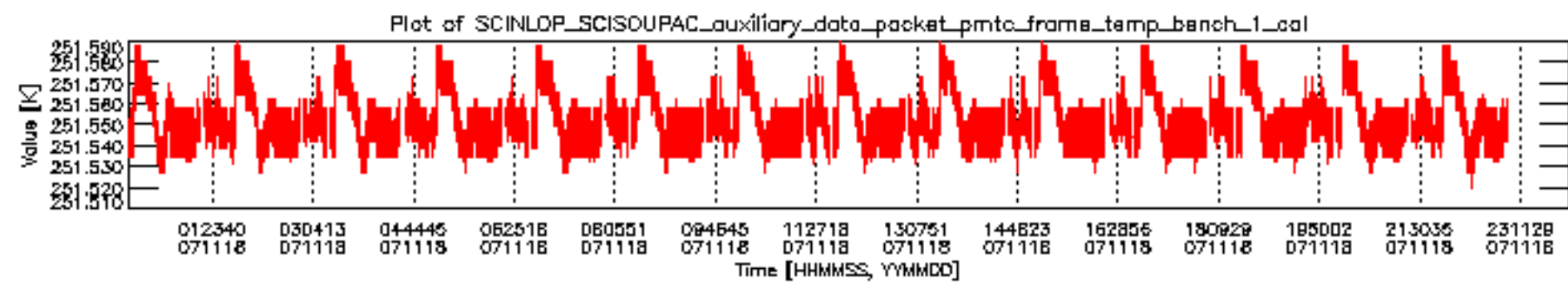
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20071117_010111_20071116_191248_20071126_203900
2	AUX_FPO_AXVPDS20071118_010110_20071117_184111_20071127_200723

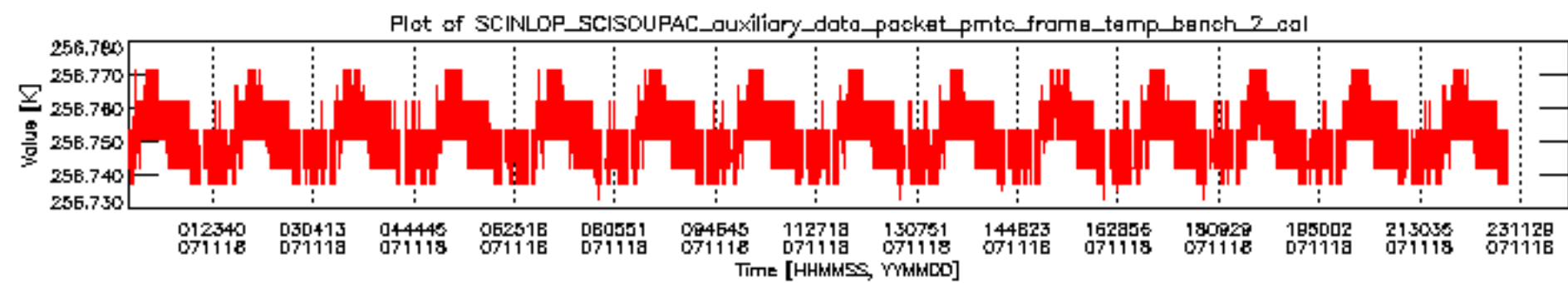


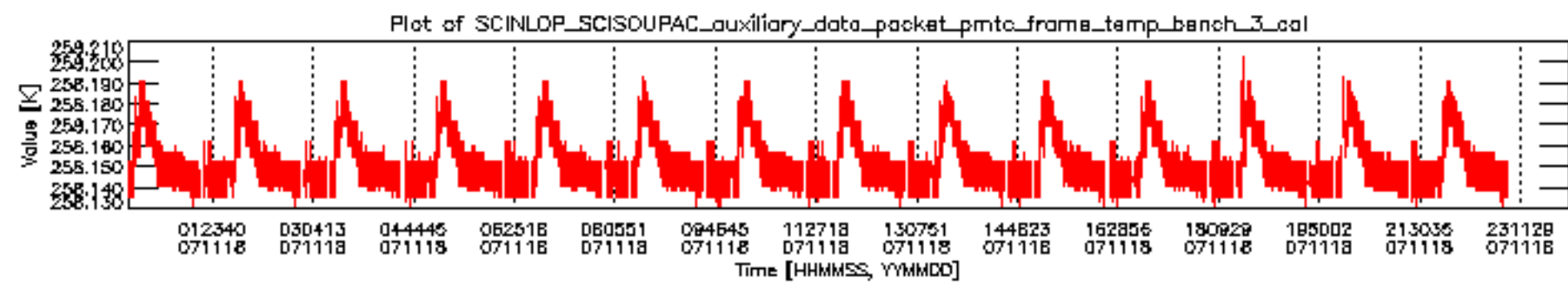
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071118_7.PNG

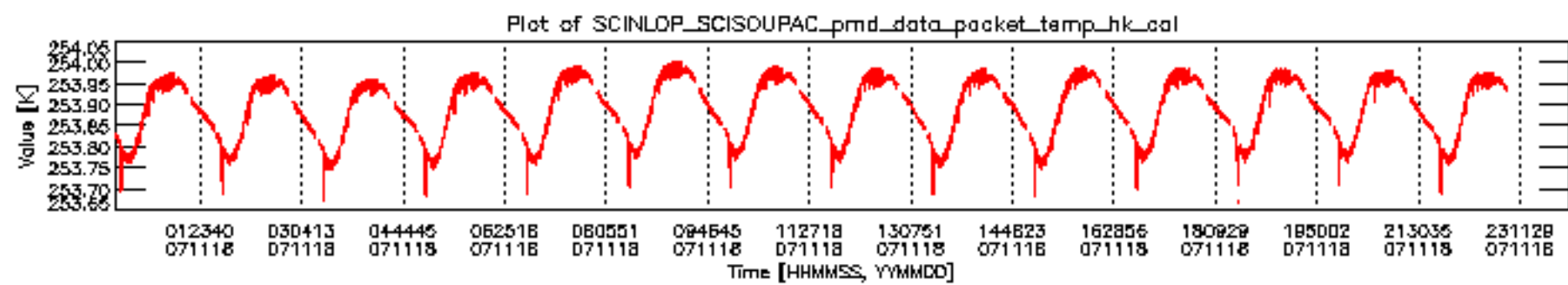


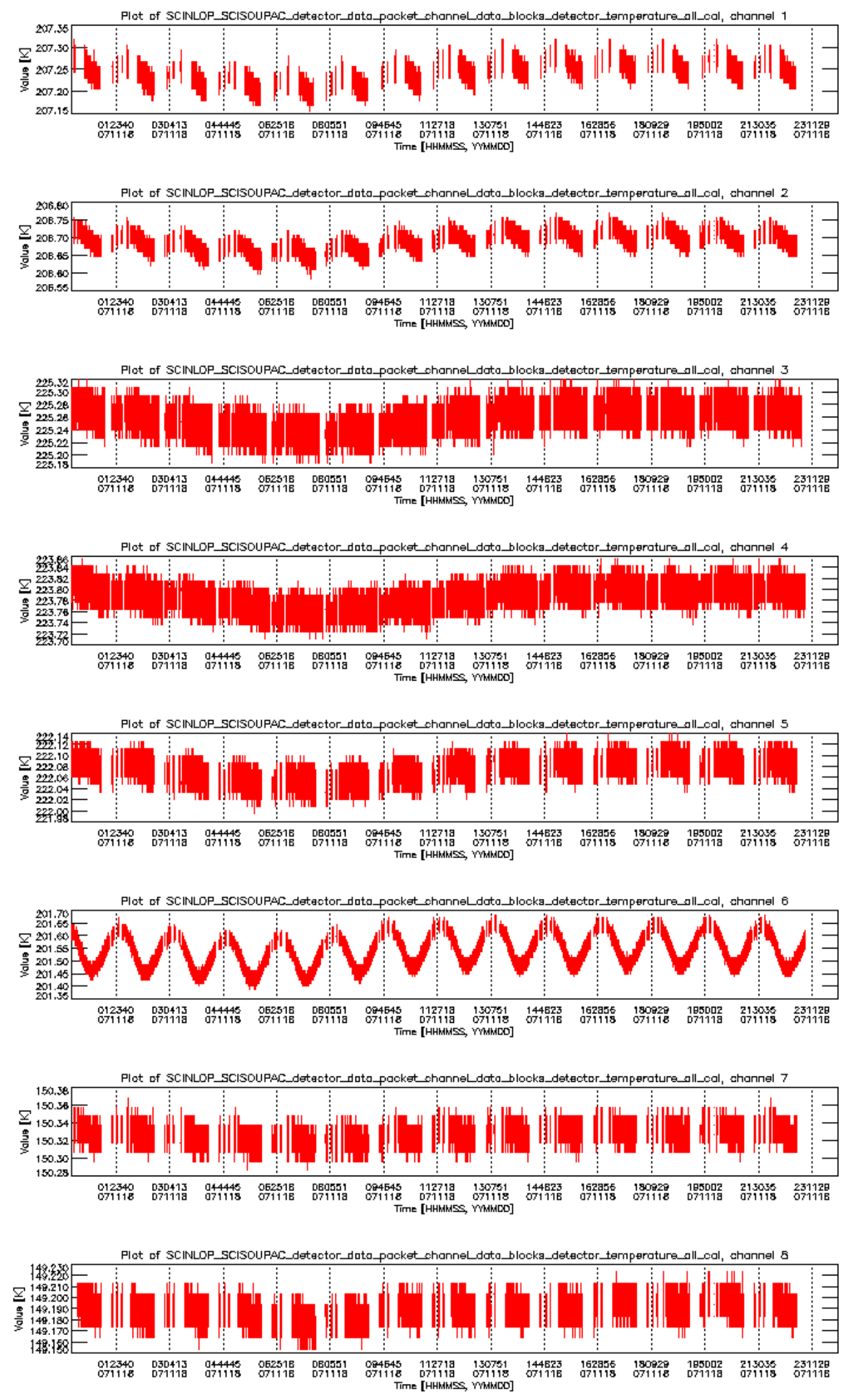
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071118_8.PNG

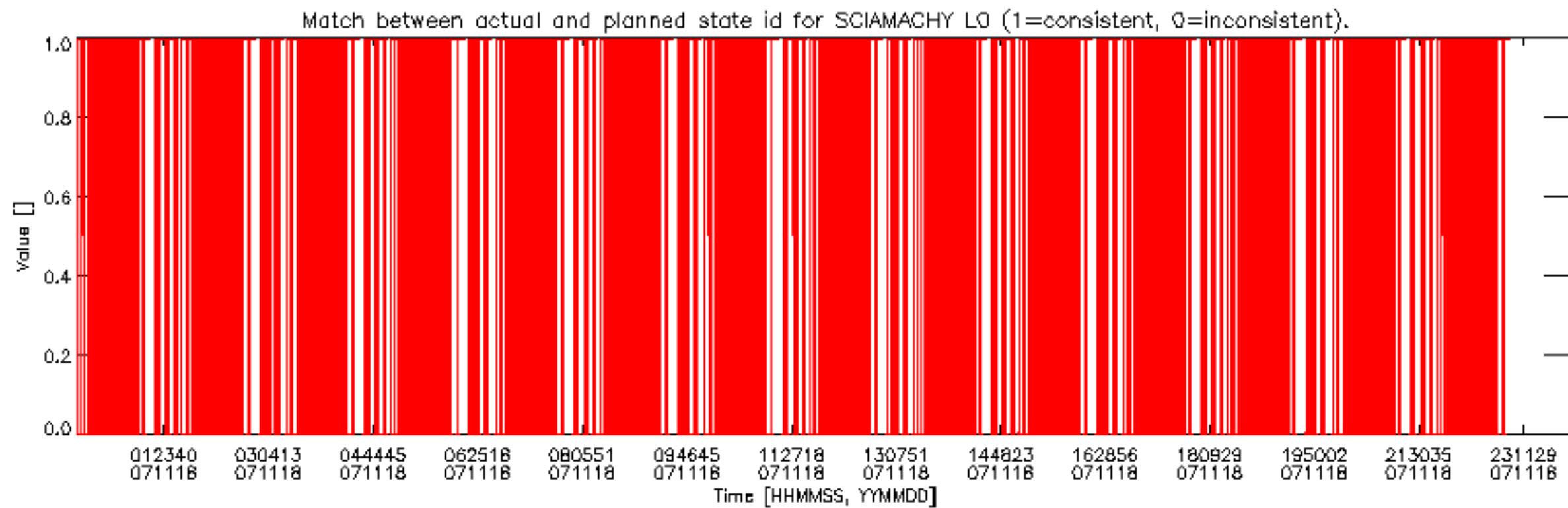
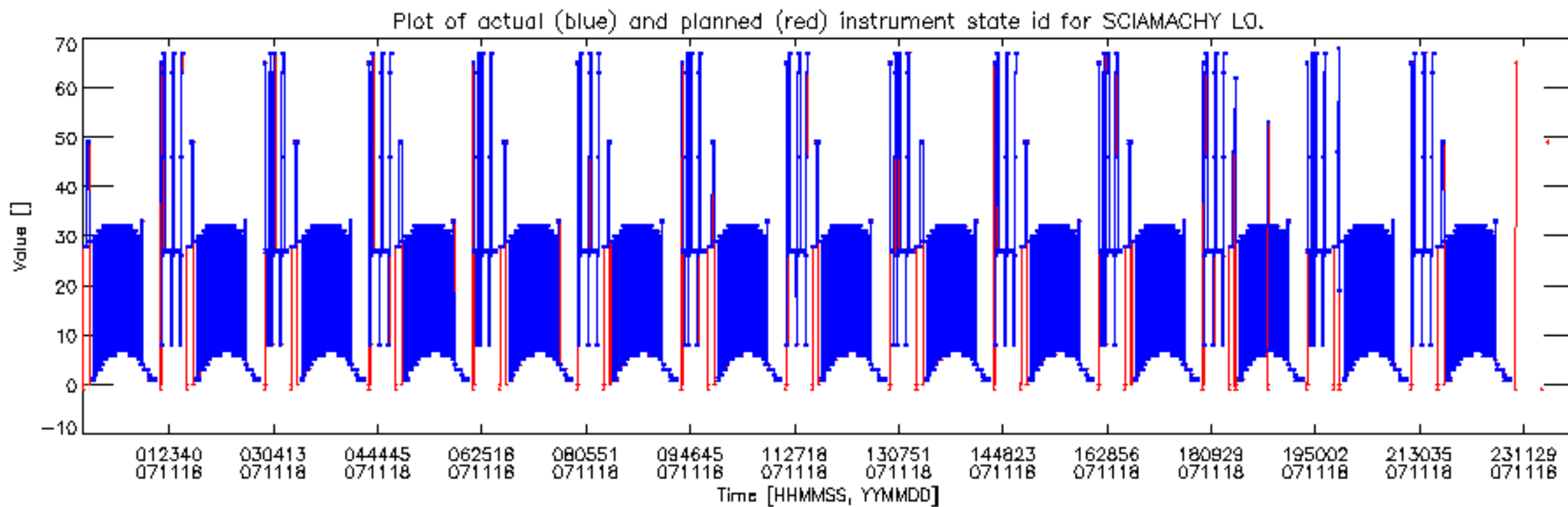












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