

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	18OCT2008 05:52:04
Data source version	KSPT_L0/4303-N
Processing scope for products	14OCT2008 00:00:00 to 15OCT2008 00:00:00
Start time of first product within scope	13OCT2008 23:28:01
Stop time of last product within scope	15OCT2008 00:37:07
Total number of level 0 products	17
Number of level 0 products with errors	2

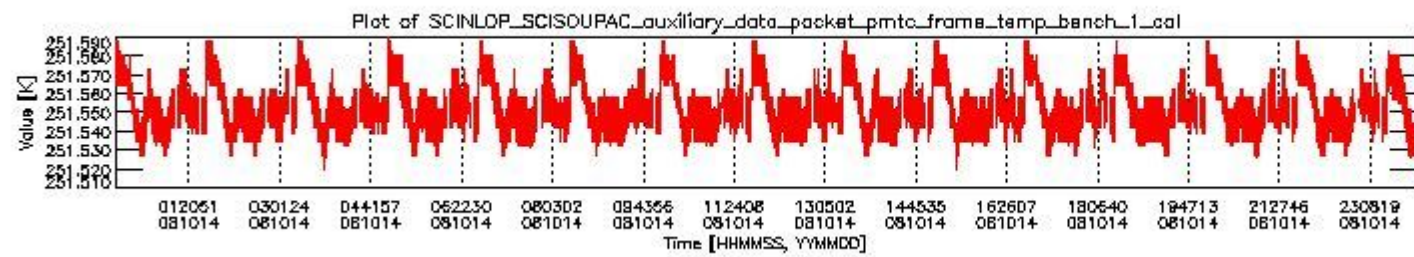
0.1.2 Summary per product

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

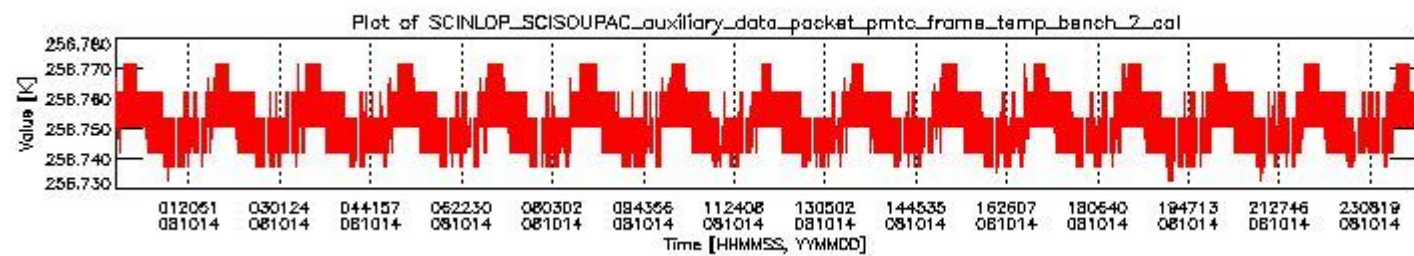
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081013_232801_000060802073_00001_34624_7701.N1	13OCT2008 23:28:01	14OCT2008 01:09:21	0	0	0	0	0
1	SCI_NL__OPNPDE20081014_010837_000045602073_00002_34625_7702.N1	14OCT2008 01:08:37	14OCT2008 02:24:38	0	0	0	0	0
2	SCI_NL__OPNPDE20081014_022438_000058432073_00003_34626_7703.N1	14OCT2008 02:24:38	14OCT2008 04:02:01	0	0	0	0	0
3	SCI_NL__OPNPDE20081014_040105_000061052073_00004_34627_7704.N1	14OCT2008 04:01:05	14OCT2008 05:42:50	0	0	0	0	0
4	SCI_NL__OPNPDE20081014_054142_000062172073_00005_34628_7705.N1	14OCT2008 05:41:42	14OCT2008 07:25:19	0	0	0	0	0
5	SCI_NL__OPNPDK20081014_072423_000039772073_00006_34629_9662.N1	14OCT2008 07:24:23	14OCT2008 08:30:40	0	0	0	0	0
6	SCI_NL__OPNPDK20081014_082944_000061612073_00007_34630_9663.N1	14OCT2008 08:29:44	14OCT2008 10:12:25	0	0	0	0	0
7	SCI_NL__OPNPDK20081014_101116_000060362073_00008_34631_9664.N1	14OCT2008 10:11:16	14OCT2008 11:51:52	0	0	0	0	0
8	SCI_NL__OPNPDK20081014_115057_000059682073_00009_34632_9665.N1	14OCT2008 11:50:57	14OCT2008 13:30:24	0	0	0	0	0
9	SCI_NL__OPNPDK20081014_132929_000059122073_00010_34633_9666.N1	14OCT2008 13:29:29	14OCT2008 15:08:01	0	0	0	0	0
10	SCI_NL__OPNPDK20081014_150609_000060362073_00011_34634_9667.N1	14OCT2008 15:06:09	14OCT2008 16:46:45	0	0	0	0	0
11	SCI_NL__OPNPDK20081014_164549_000034892073_00012_34635_9668.N1	14OCT2008 16:45:49	14OCT2008 17:43:58	1	1	0	0	0
12	SCI_NL__OPNPDK20081014_174358_000024102073_00012_34635_9669.N1	14OCT2008 17:43:58	14OCT2008 18:24:08	1	1	0	0	0
13	SCI_NL__OPNPDK20081014_182408_000060362073_00013_34636_9670.N1	14OCT2008 18:24:08	14OCT2008 20:04:44	0	0	0	0	0
14	SCI_NL__OPNPDE20081014_200444_000039792073_00014_34637_7706.N1	14OCT2008 20:04:44	14OCT2008 21:11:04	0	0	0	0	0
15	SCI_NL__OPNPDE20081014_211555_000055852073_00014_34637_7707.N1	14OCT2008 21:15:55	14OCT2008 22:48:59	0	0	0	0	0
16	SCI_NL__OPNPDE20081014_225631_000060362073_00015_34638_7708.N1	14OCT2008 22:56:31	15OCT2008 00:37:07	0	0	0	0	0

0.2 Product Quality Indicators

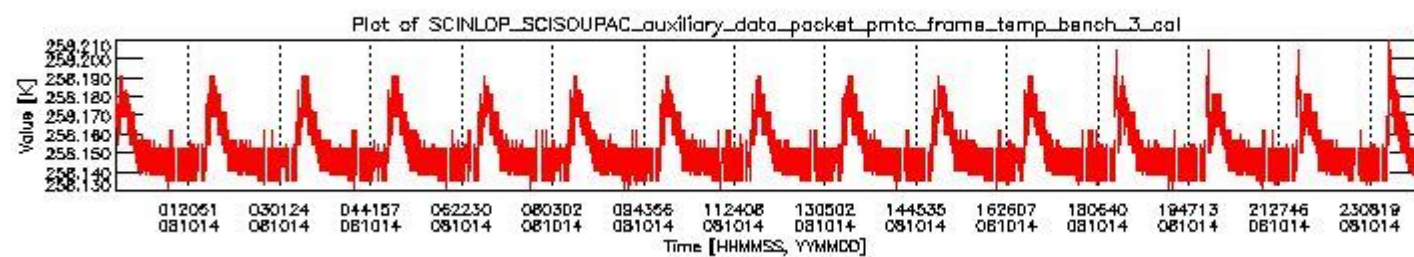
This section shows information about product quality, currently temperatures.



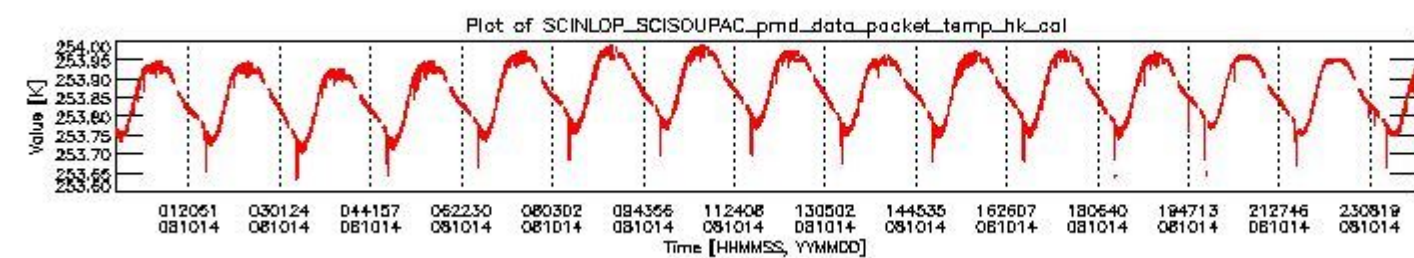
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081014_0.PNG



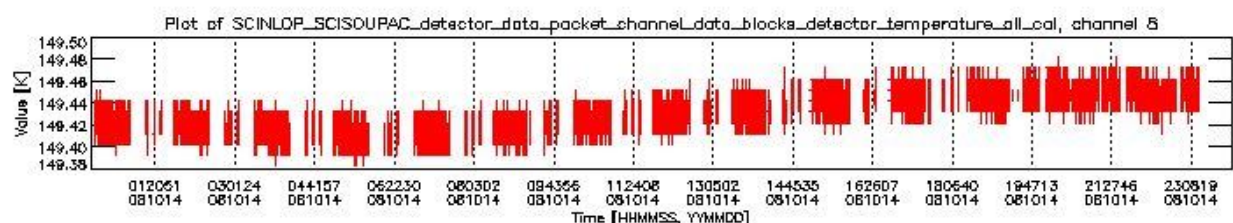
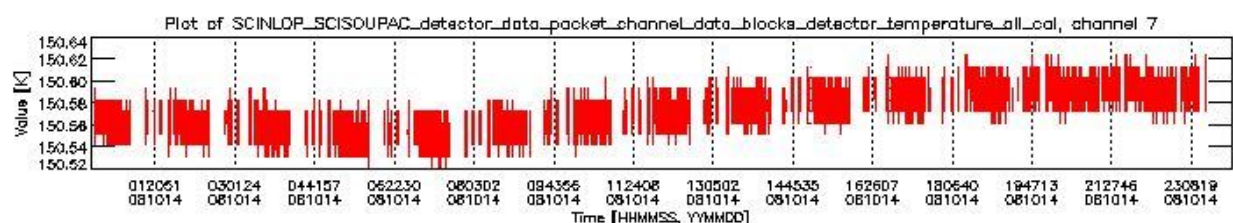
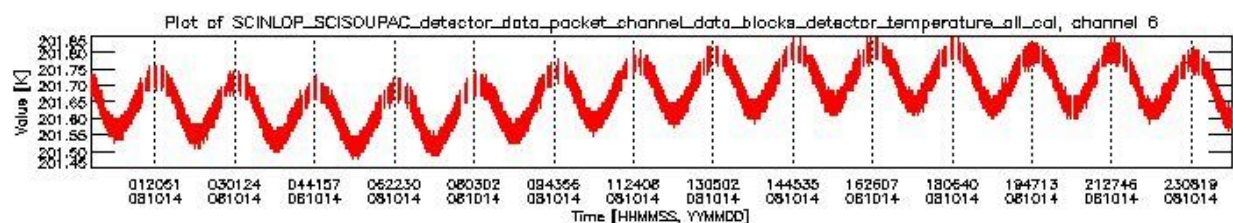
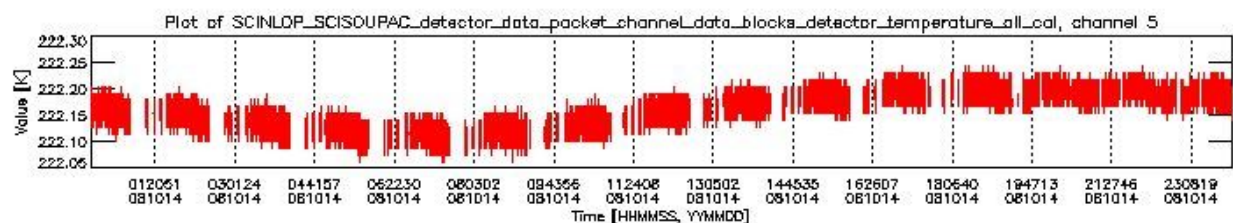
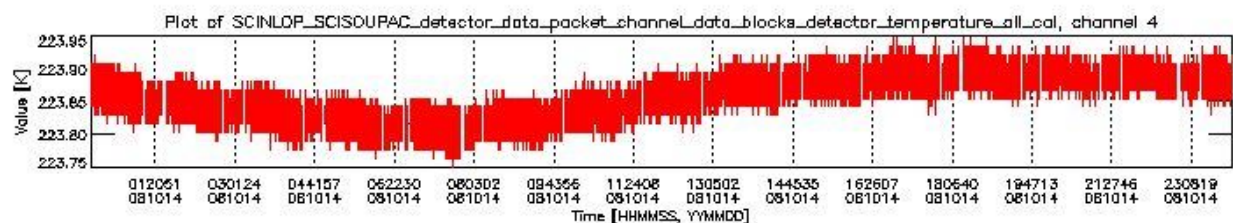
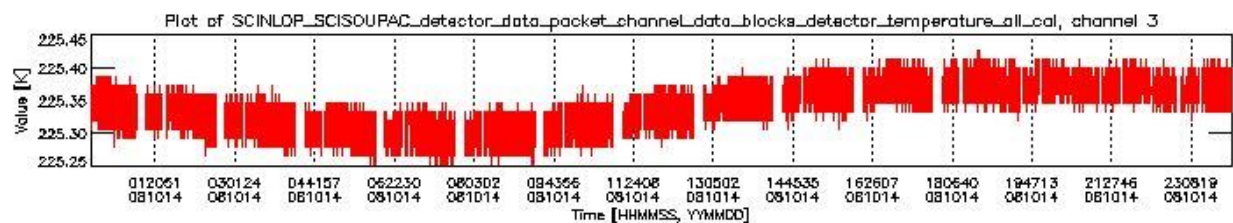
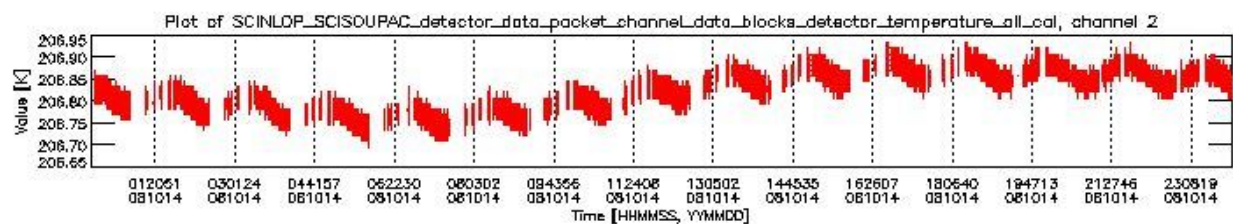
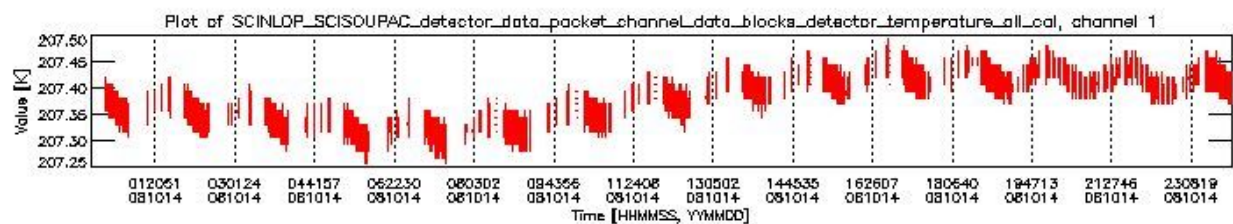
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081014_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081014_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081014_3.PNG

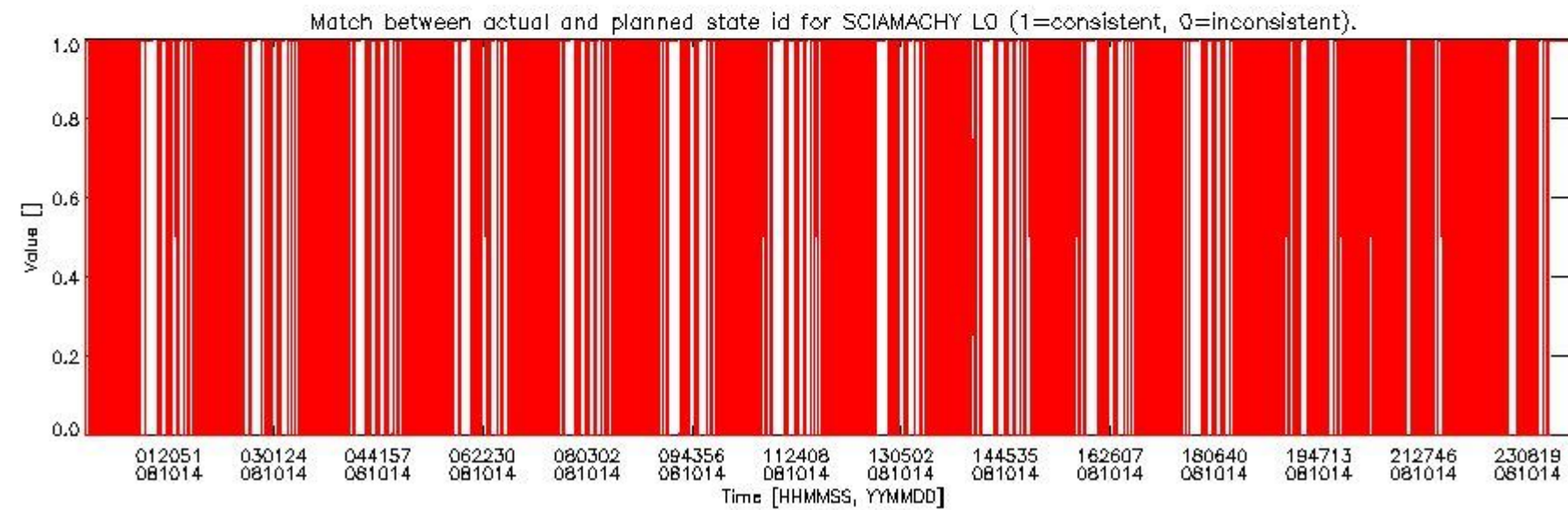
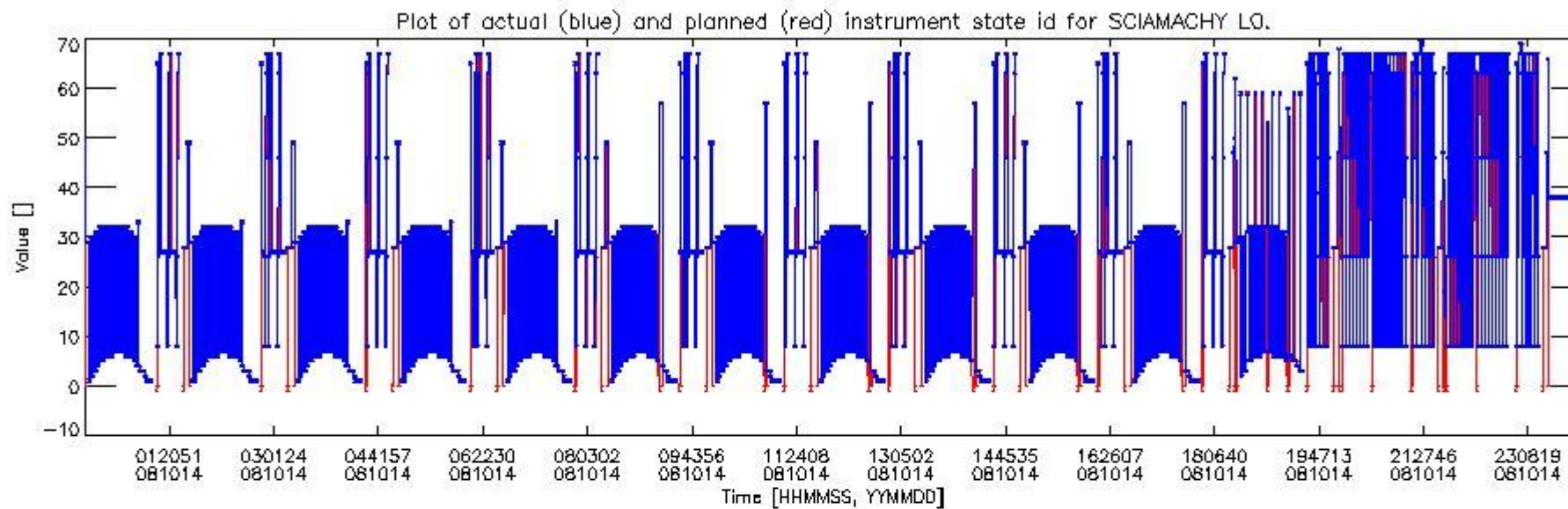


0.3 State monitoring

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: **41673**

#	Actual time	Actual value	Planned time	Planned value
0	14OCT2008 00:03:29.127612	1	14OCT2008 00:03:29.127612	29
1	14OCT2008 00:03:29.377621	1	14OCT2008 00:03:29.377621	29
2	14OCT2008 00:03:29.502625	1	14OCT2008 00:03:29.502625	29
3	14OCT2008 00:03:29.627630	1	14OCT2008 00:03:29.627630	29
4	14OCT2008 00:03:29.752634	1	14OCT2008 00:03:29.752634	29
5	14OCT2008 00:03:29.877639	1	14OCT2008 00:03:29.877639	29
6	14OCT2008 00:03:30.002643	1	14OCT2008 00:03:30.002643	29
7	14OCT2008 00:03:30.127647	1	14OCT2008 00:03:30.127647	29
8	14OCT2008 00:03:30.252611	1	14OCT2008 00:03:30.252611	29
9	14OCT2008 00:03:30.377616	1	14OCT2008 00:03:30.377616	29
10	14OCT2008 00:03:30.502620	1	14OCT2008 00:03:30.502620	29
11	14OCT2008 00:03:30.627624	1	14OCT2008 00:03:30.627624	29
12	14OCT2008 00:03:30.752629	1	14OCT2008 00:03:30.752629	29
13	14OCT2008 00:03:30.877633	1	14OCT2008 00:03:30.877633	29
14	14OCT2008 00:03:31.002637	1	14OCT2008 00:03:31.002637	29
15	14OCT2008 00:03:31.127642	1	14OCT2008 00:03:31.127642	29
16	14OCT2008 00:03:31.252646	1	14OCT2008 00:03:31.252646	29
17	14OCT2008 00:03:31.377610	1	14OCT2008 00:03:31.377610	29
18	14OCT2008 00:03:31.502615	1	14OCT2008 00:03:31.502615	29
19	14OCT2008 00:03:31.627619	1	14OCT2008 00:03:31.627619	29
...

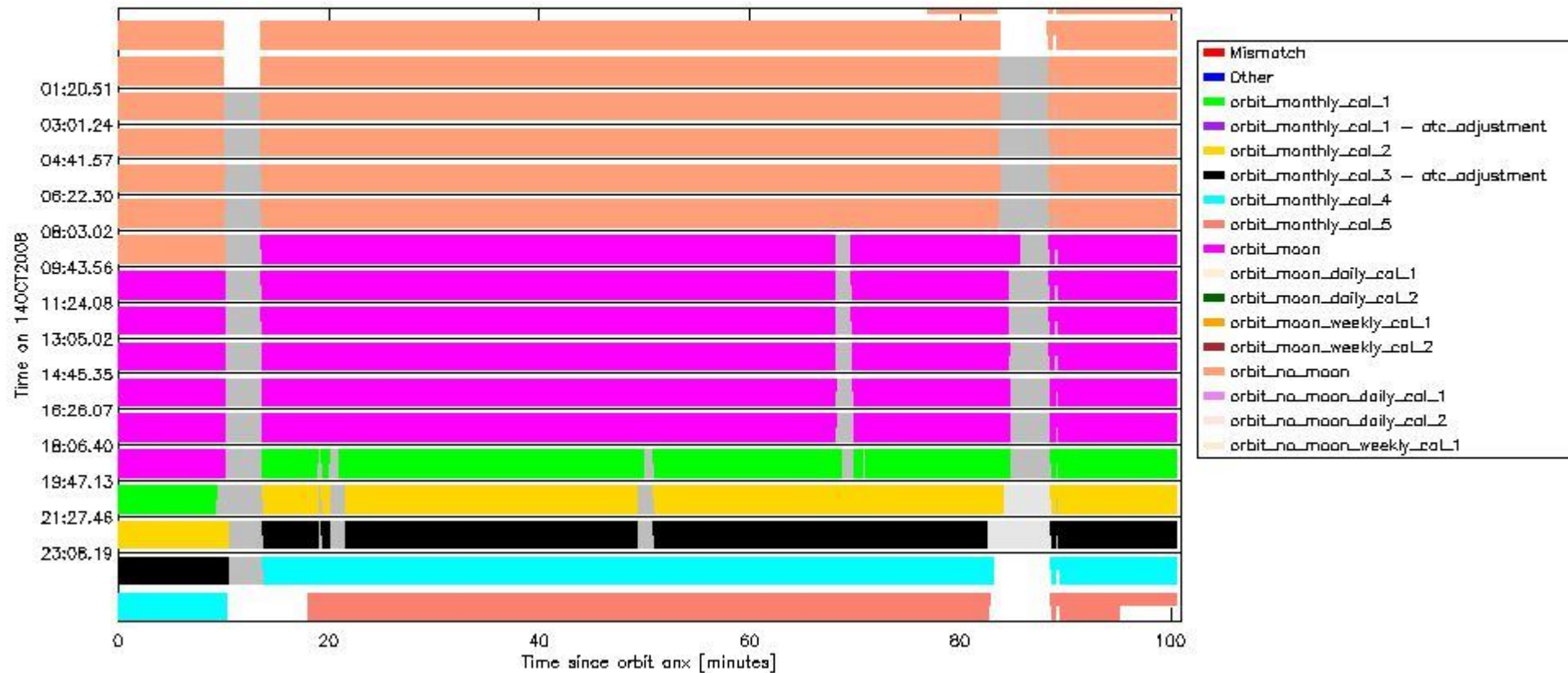


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081014_5.PNG

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 14OCT2008.
 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_20081014_6.PNG

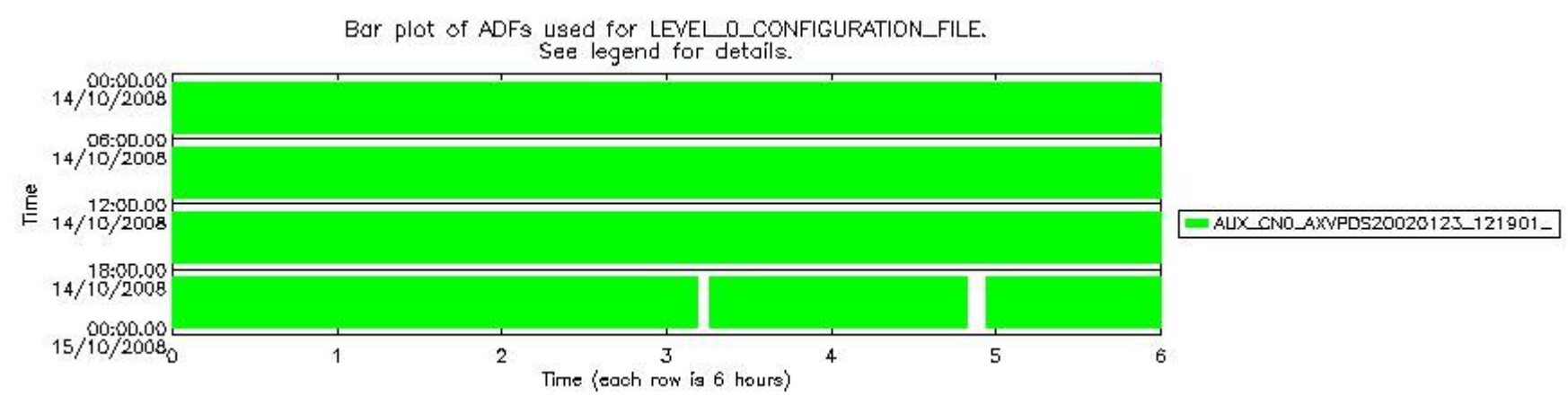
0.4 ADF monitoring

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

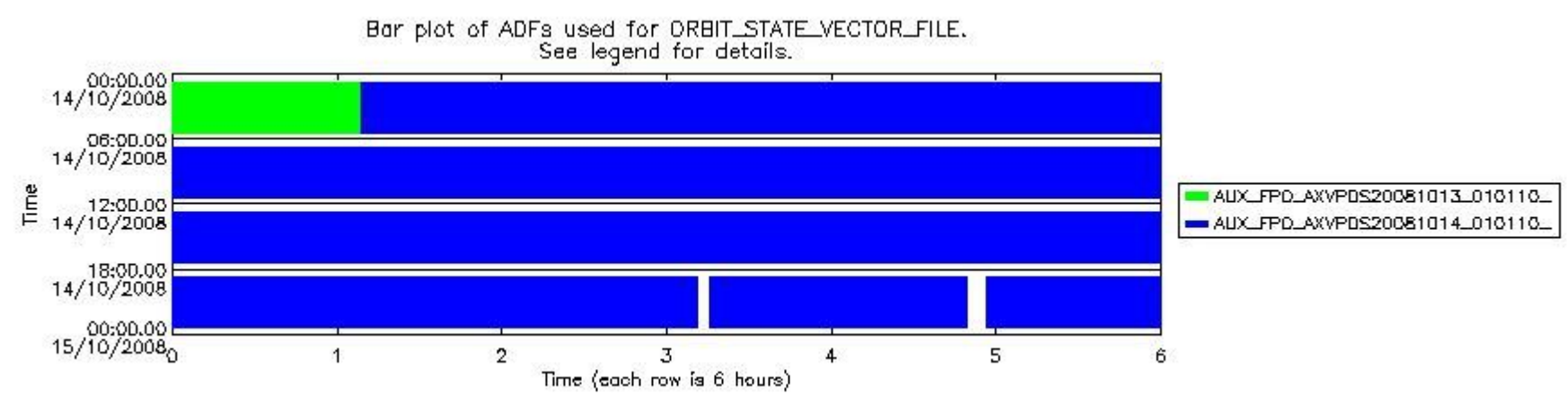
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

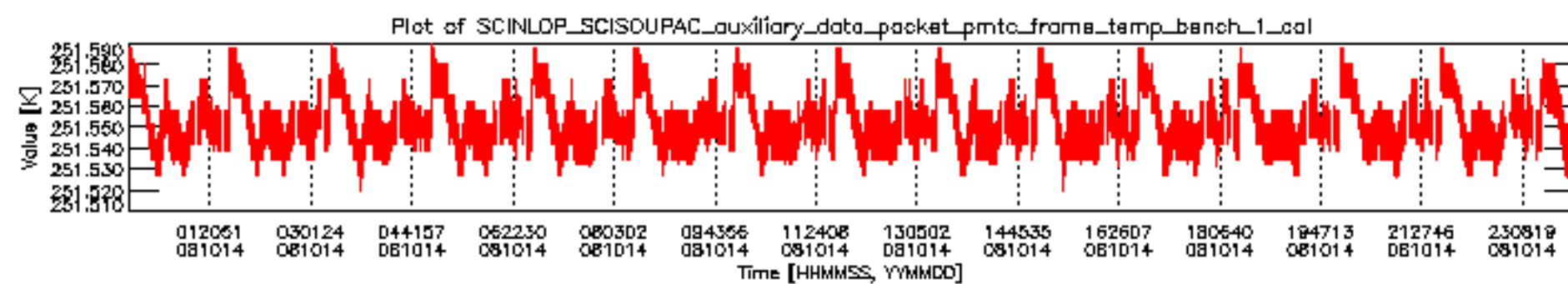
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081013_010110_20081012_190955_20081022_203608
2	AUX_FPO_AXVPDS20081014_010110_20081013_183818_20081023_200431

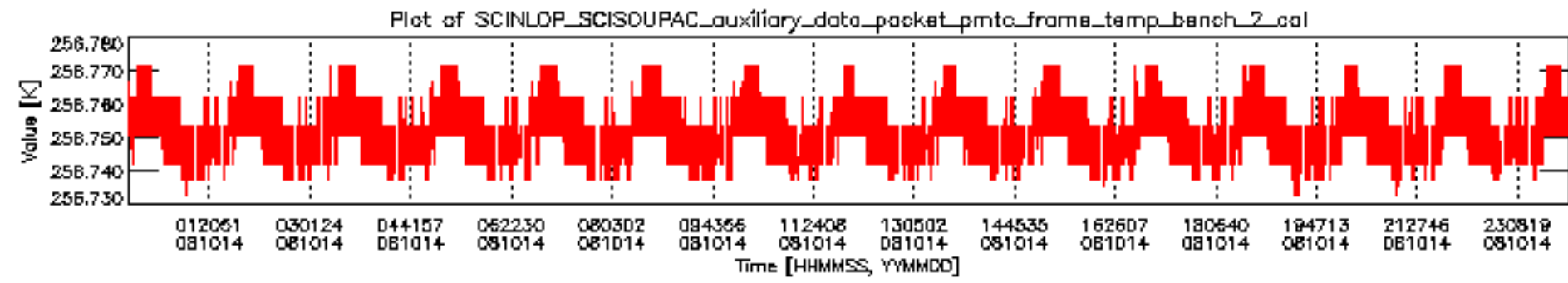


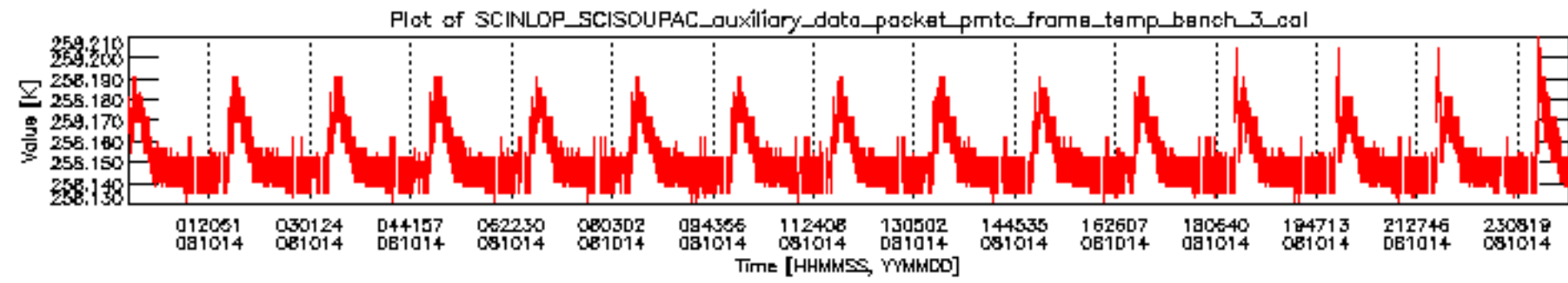
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081014_7.PNG

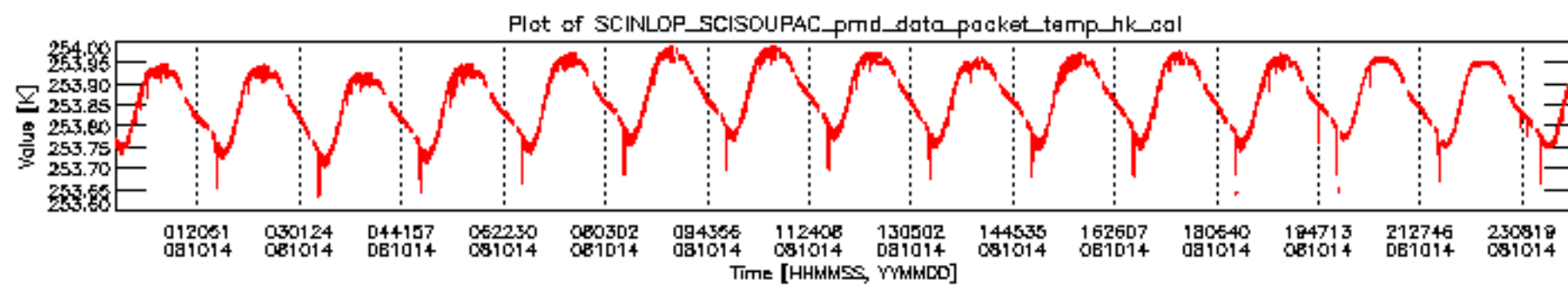


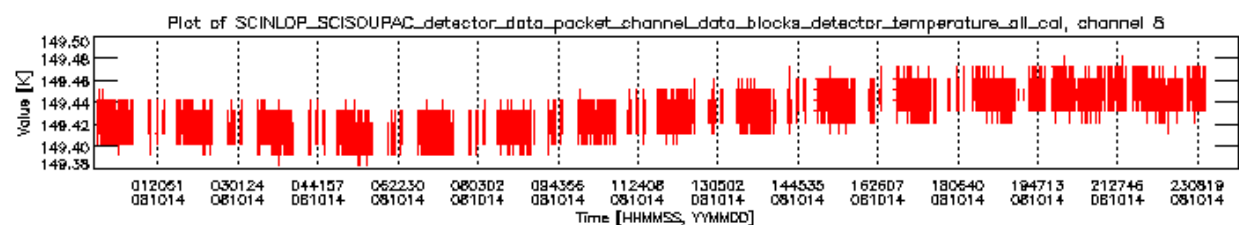
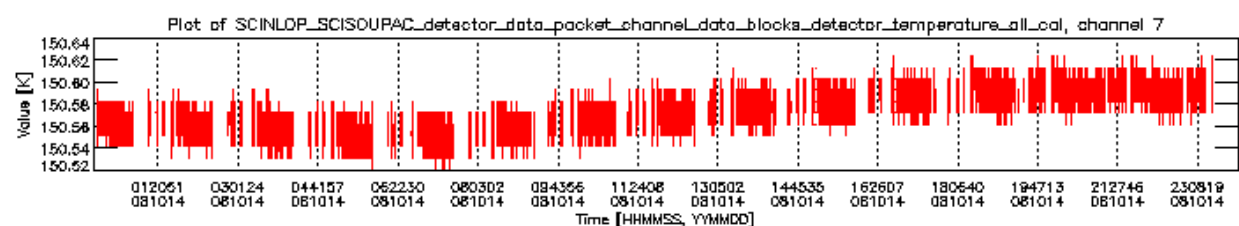
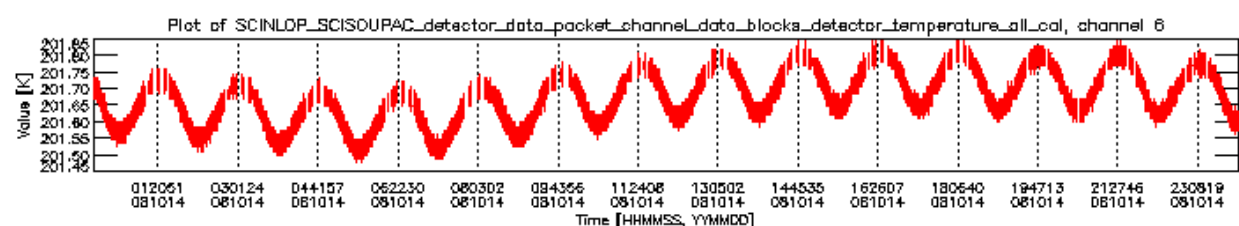
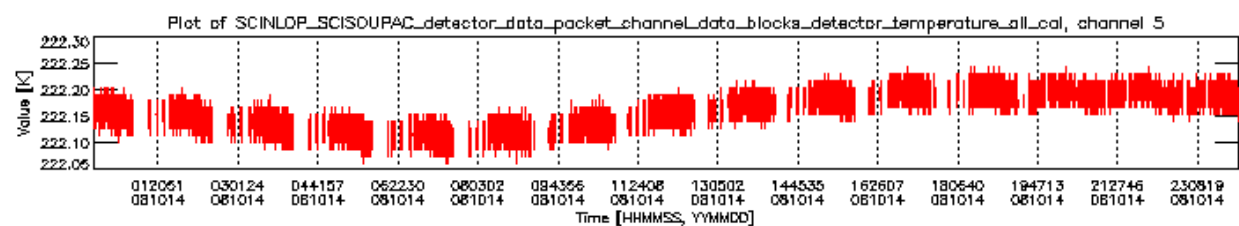
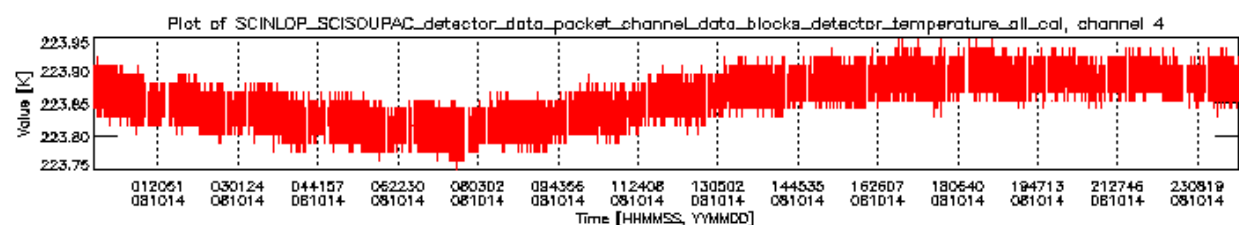
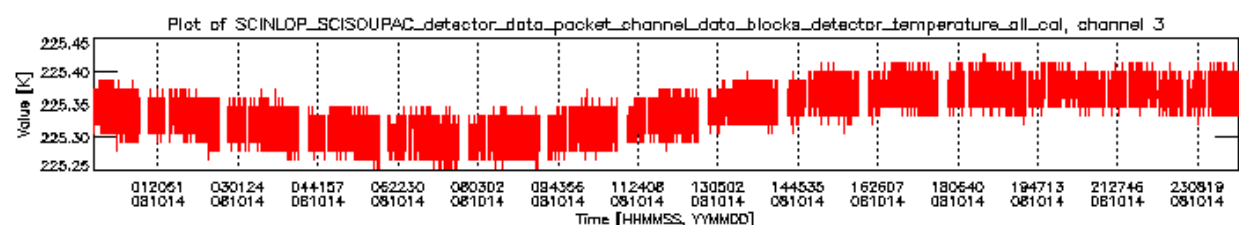
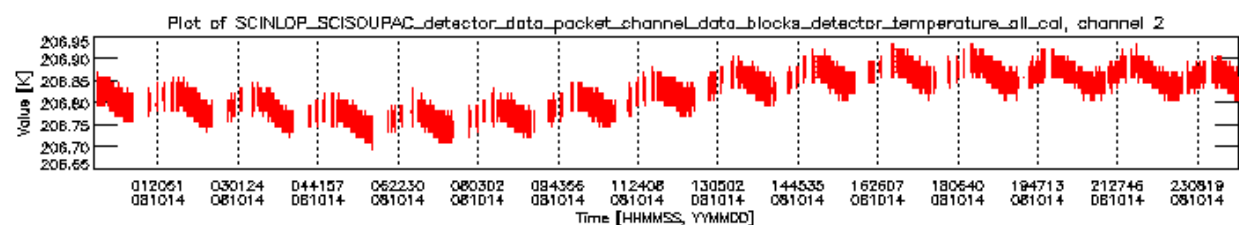
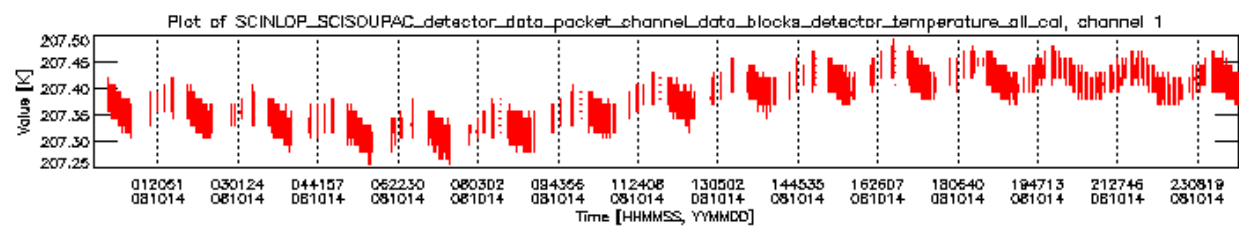
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081014_8.PNG

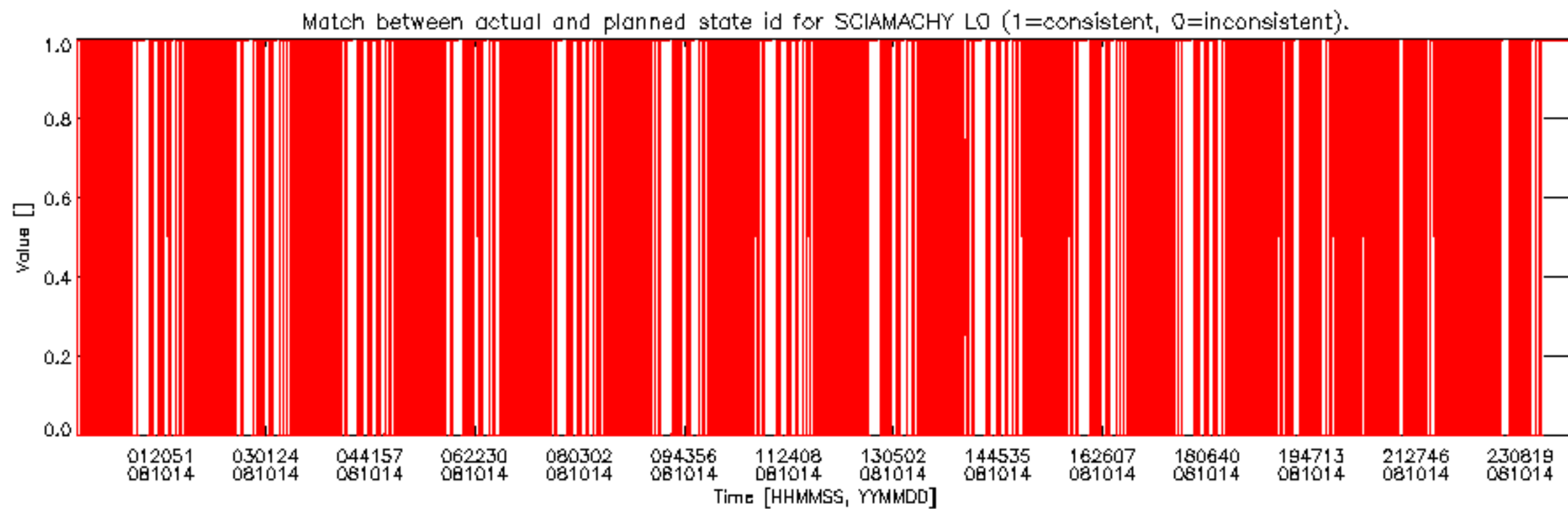
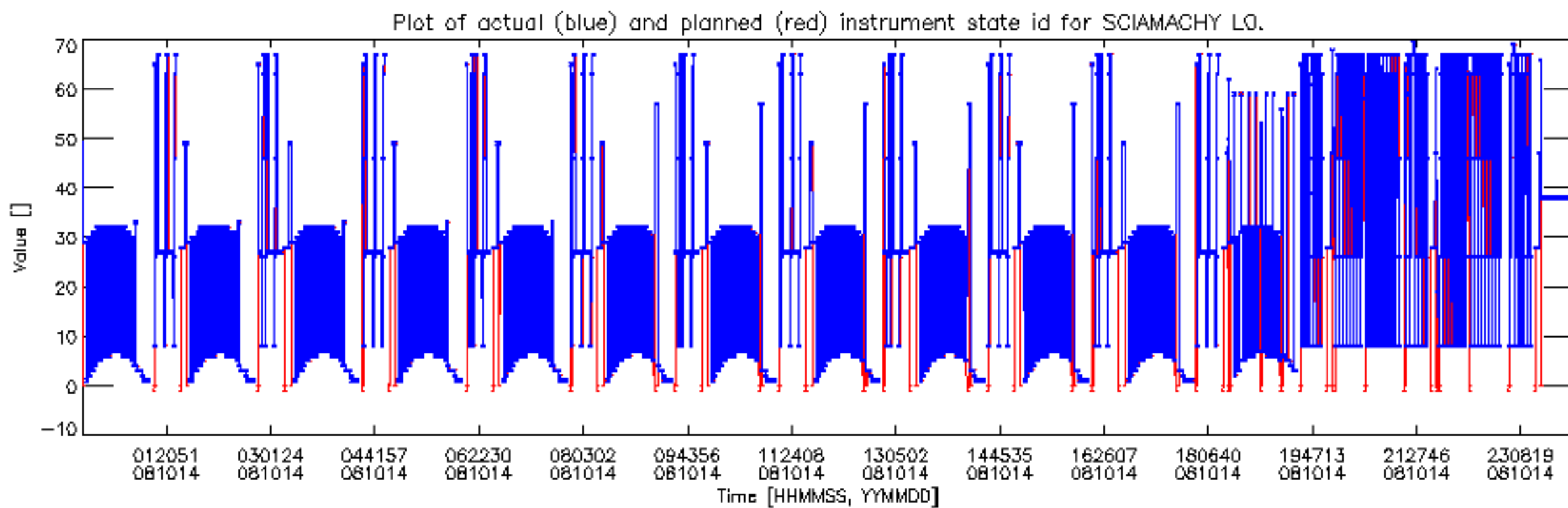




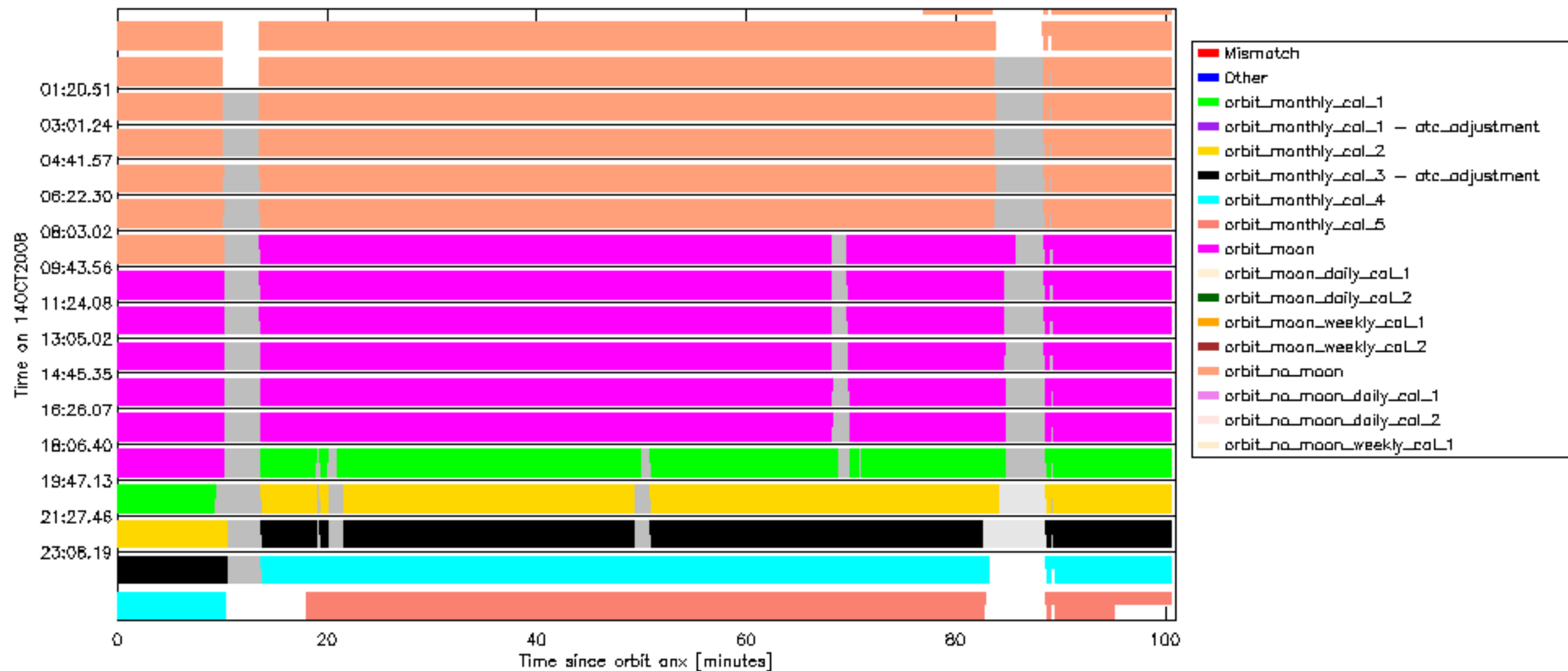


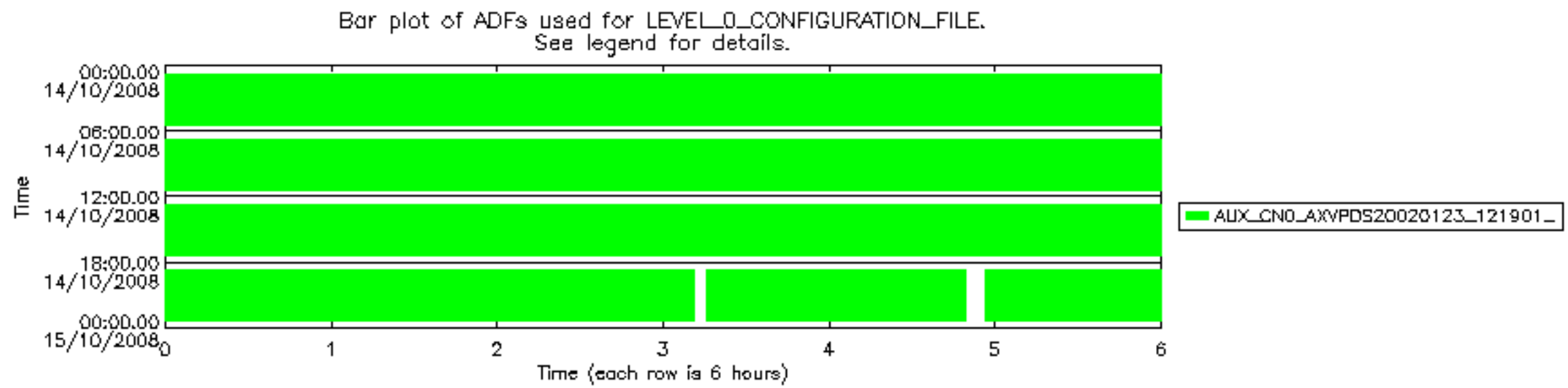






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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 The remaining colours indicate planned activities and/or special measurements.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

