

0. SCIAMACHY Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Product Quality Indicators](#)

[0.3 State monitoring](#)

[0.4 ADF monitoring](#)

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	15JAN2008 08:44:15
Data source version	KSPT_L0/4302-N
Processing scope for products	11JAN2008 00:00:00 to 12JAN2008 00:00:00
Start time of first product within scope	10JAN2008 23:38:47
Stop time of last product within scope	12JAN2008 00:40:47
Total number of level 0 products	16
Number of level 0 products with errors	0

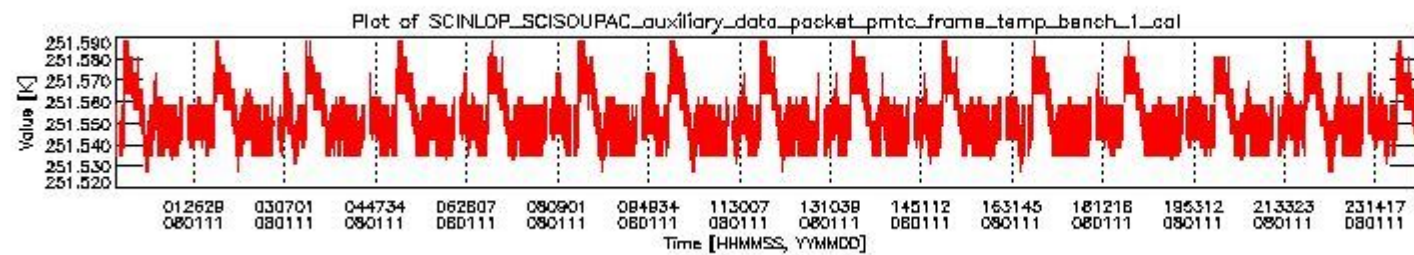
0.1.2 Summary per product

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

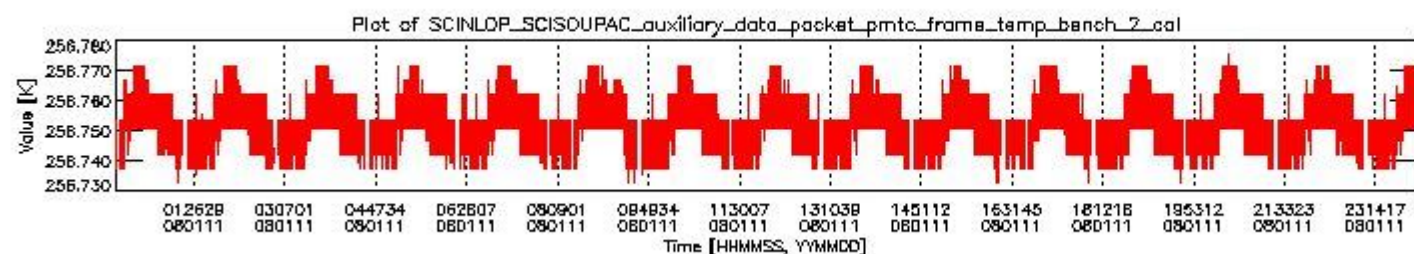
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080110_233847_000056212065_00044_30659_5916.N1	10JAN2008 23:38:47	11JAN2008 01:12:27	0	0	0	0	0
1	SCI_NL__OPNPDE20080111_011922_000043002065_00045_30660_5917.N1	11JAN2008 01:19:22	11JAN2008 02:31:02	0	0	0	0	0
2	SCI_NL__OPNPDE20080111_023007_000058552065_00046_30661_5918.N1	11JAN2008 02:30:07	11JAN2008 04:07:42	0	0	0	0	0
3	SCI_NL__OPNPDE20080111_040742_000060232065_00047_30662_5919.N1	11JAN2008 04:07:42	11JAN2008 05:48:05	0	0	0	0	0
4	SCI_NL__OPNPDK20080111_054805_000041132065_00048_30663_7097.N1	11JAN2008 05:48:05	11JAN2008 06:56:38	0	0	0	0	0
5	SCI_NL__OPNPDK20080111_065543_000060922065_00049_30664_7098.N1	11JAN2008 06:55:43	11JAN2008 08:37:14	0	0	0	0	0
6	SCI_NL__OPNPDK20080111_083606_000061042065_00050_30665_7099.N1	11JAN2008 08:36:06	11JAN2008 10:17:50	0	0	0	0	0
7	SCI_NL__OPNPDK20080111_101654_000059672065_00051_30666_7100.N1	11JAN2008 10:16:54	11JAN2008 11:56:21	0	0	0	0	0
8	SCI_NL__OPNPDK20080111_115429_000061472065_00052_30667_7101.N1	11JAN2008 11:54:29	11JAN2008 13:36:57	0	0	0	0	0
9	SCI_NL__OPNPDK20080111_133601_000059802065_00053_30668_7102.N1	11JAN2008 13:36:01	11JAN2008 15:15:41	0	0	0	0	0
10	SCI_NL__OPNPDK20080111_151445_000058412065_00054_30669_7103.N1	11JAN2008 15:14:45	11JAN2008 16:52:06	0	0	0	0	0
11	SCI_NL__OPNPDK20080111_165014_000059802065_00055_30670_7104.N1	11JAN2008 16:50:14	11JAN2008 18:29:54	0	0	0	0	0
12	SCI_NL__OPNPDK20080111_182954_000058072065_00056_30671_7105.N1	11JAN2008 18:29:54	11JAN2008 20:06:41	0	0	0	0	0
13	SCI_NL__OPNPDE20080111_200641_000044022065_00057_30672_5920.N1	11JAN2008 20:06:41	11JAN2008 21:20:03	0	0	0	0	0
14	SCI_NL__OPNPDE20080111_212003_000059962065_00057_30672_5921.N1	11JAN2008 21:20:03	11JAN2008 22:59:58	0	0	0	0	0
15	SCI_NL__OPNPDE20080111_230708_000056192065_00058_30673_5922.N1	11JAN2008 23:07:08	12JAN2008 00:40:47	0	0	0	0	0

0.2 Product Quality Indicators

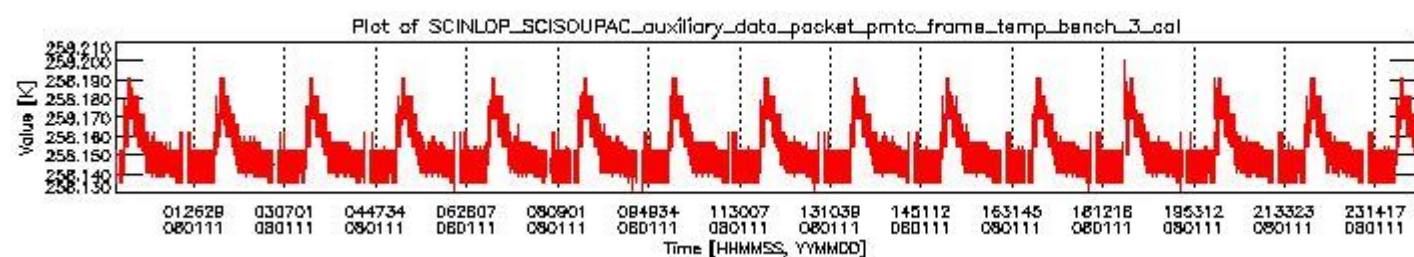
This section shows information about product quality, currently temperatures.



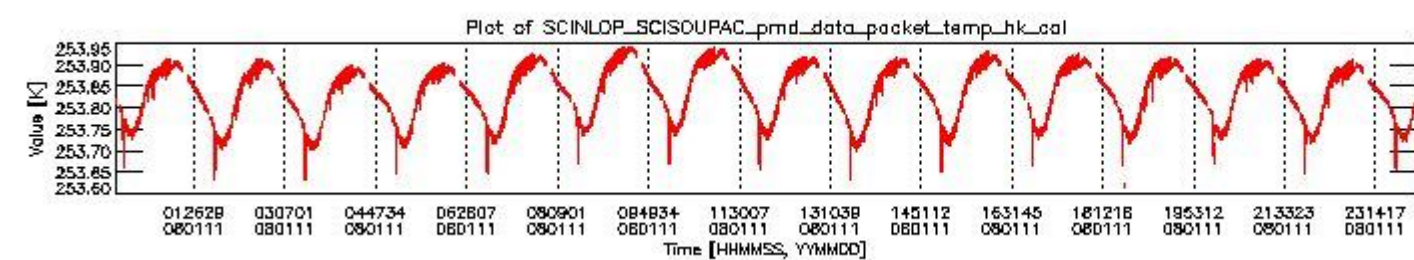
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080111_0.PNG



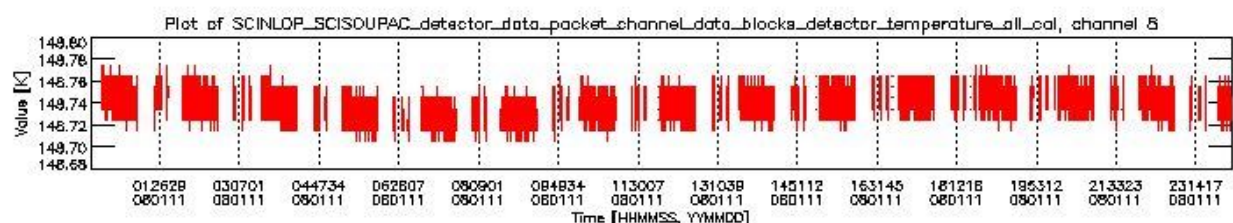
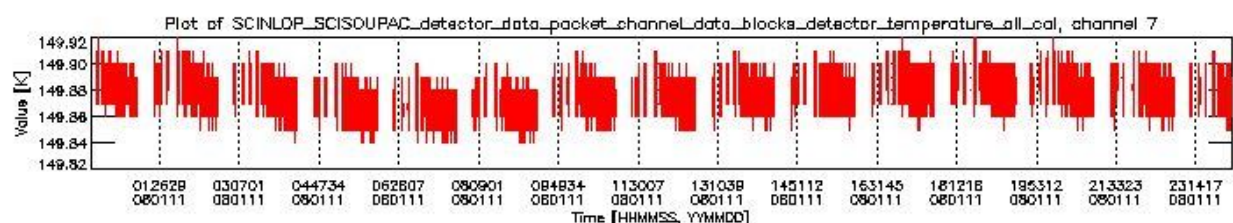
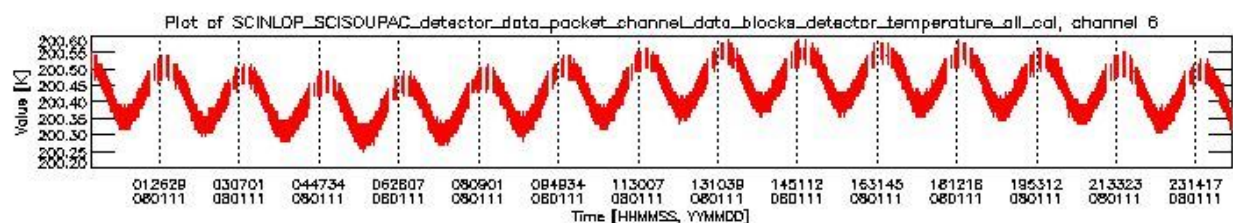
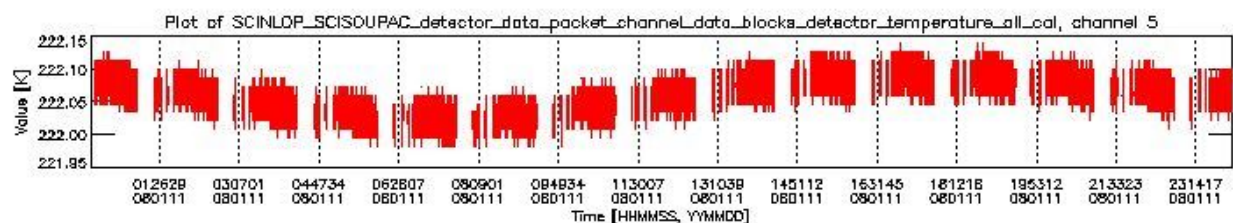
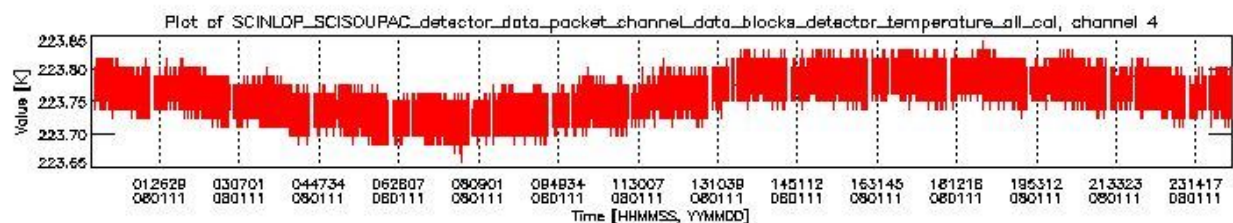
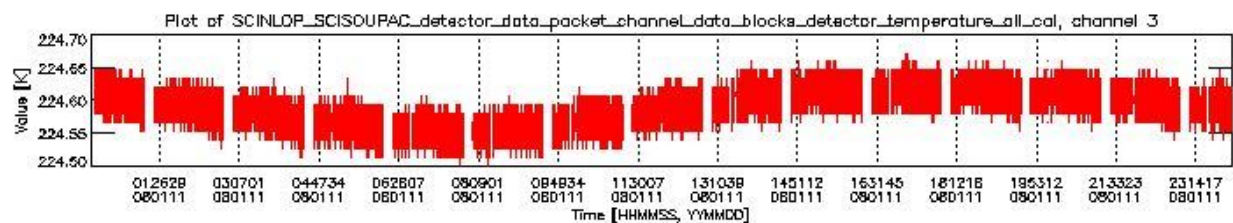
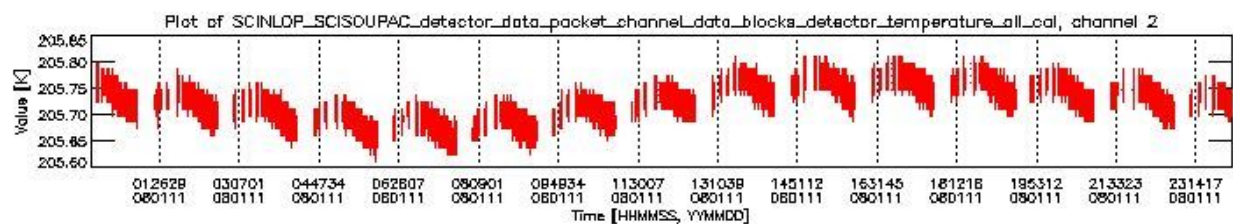
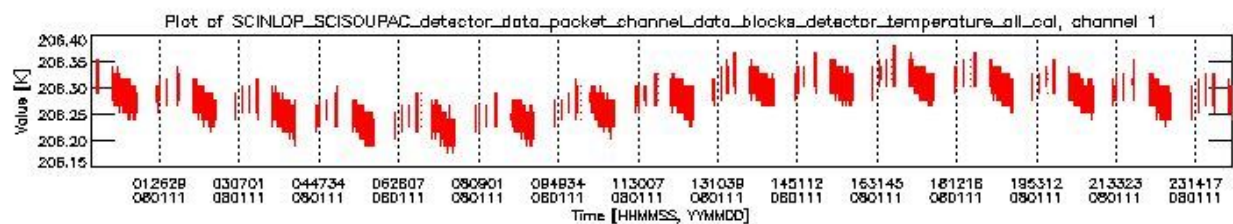
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080111_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20080111_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20080111_3.PNG

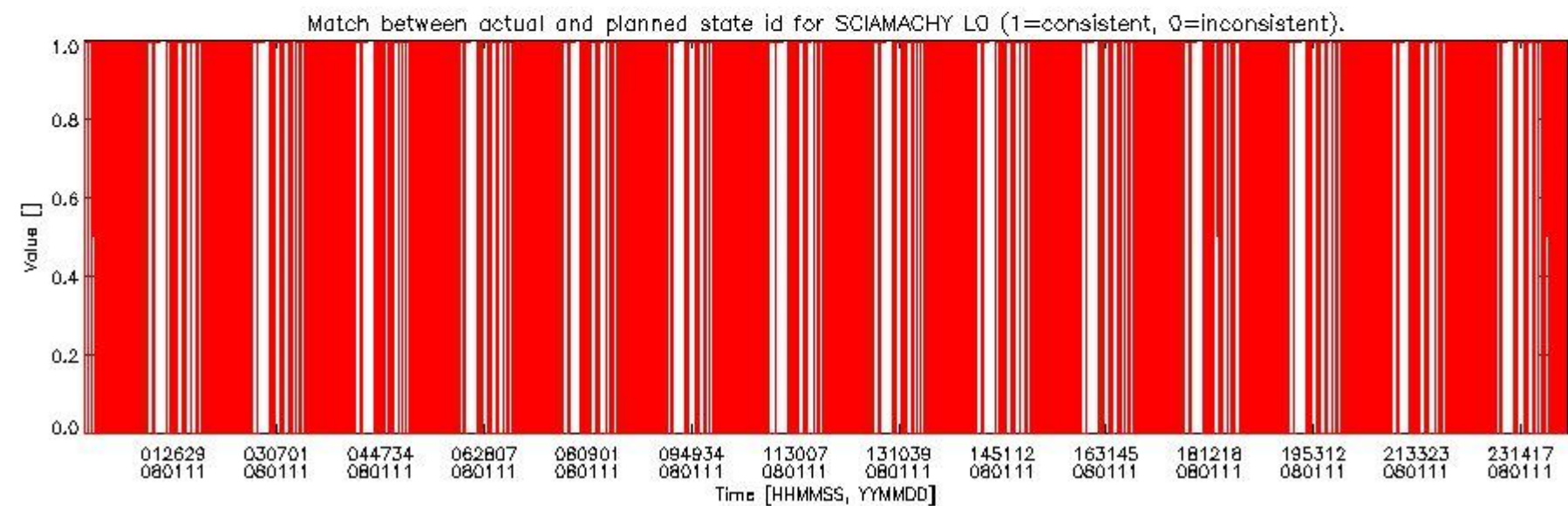
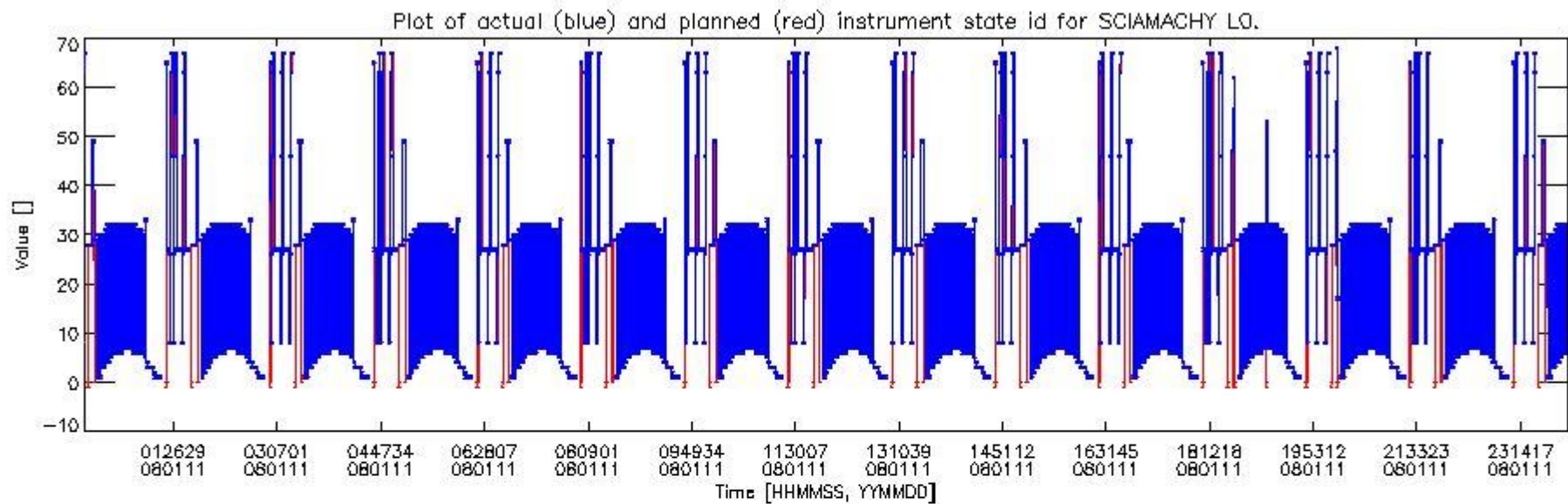


0.3 State monitoring

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: **38220**

#	Actual time	Actual value	Planned time	Planned value
0	11JAN2008 00:03:21.710151	28	11JAN2008 00:03:21.710151	0
1	11JAN2008 00:03:22.335173	28	11JAN2008 00:03:22.335173	0
2	11JAN2008 00:03:22.710186	28	11JAN2008 00:03:22.710186	0
3	11JAN2008 00:03:23.085159	28	11JAN2008 00:03:23.085159	0
4	11JAN2008 00:03:23.647658	28	11JAN2008 00:03:23.647658	0
5	11JAN2008 00:03:24.022671	28	11JAN2008 00:03:24.022671	0
6	11JAN2008 00:03:24.397684	28	11JAN2008 00:03:24.397684	0
7	11JAN2008 00:03:24.772657	28	11JAN2008 00:03:24.772657	0
8	11JAN2008 00:03:25.335157	28	11JAN2008 00:03:25.335157	0
9	11JAN2008 00:03:25.710170	28	11JAN2008 00:03:25.710170	0
10	11JAN2008 00:03:26.085183	28	11JAN2008 00:03:26.085183	0
11	11JAN2008 00:03:26.460156	28	11JAN2008 00:03:26.460156	0
12	11JAN2008 00:03:26.710164	28	11JAN2008 00:03:26.710164	0
13	11JAN2008 00:03:27.022655	28	11JAN2008 00:03:27.022655	0
14	11JAN2008 00:03:27.397668	28	11JAN2008 00:03:27.397668	0
15	11JAN2008 00:03:27.772681	28	11JAN2008 00:03:27.772681	0
16	11JAN2008 00:03:28.147654	28	11JAN2008 00:03:28.147654	0
17	11JAN2008 00:03:28.710153	28	11JAN2008 00:03:28.710153	0
18	11JAN2008 00:03:29.085166	28	11JAN2008 00:03:29.085166	0
19	11JAN2008 00:03:29.460180	28	11JAN2008 00:03:29.460180	0

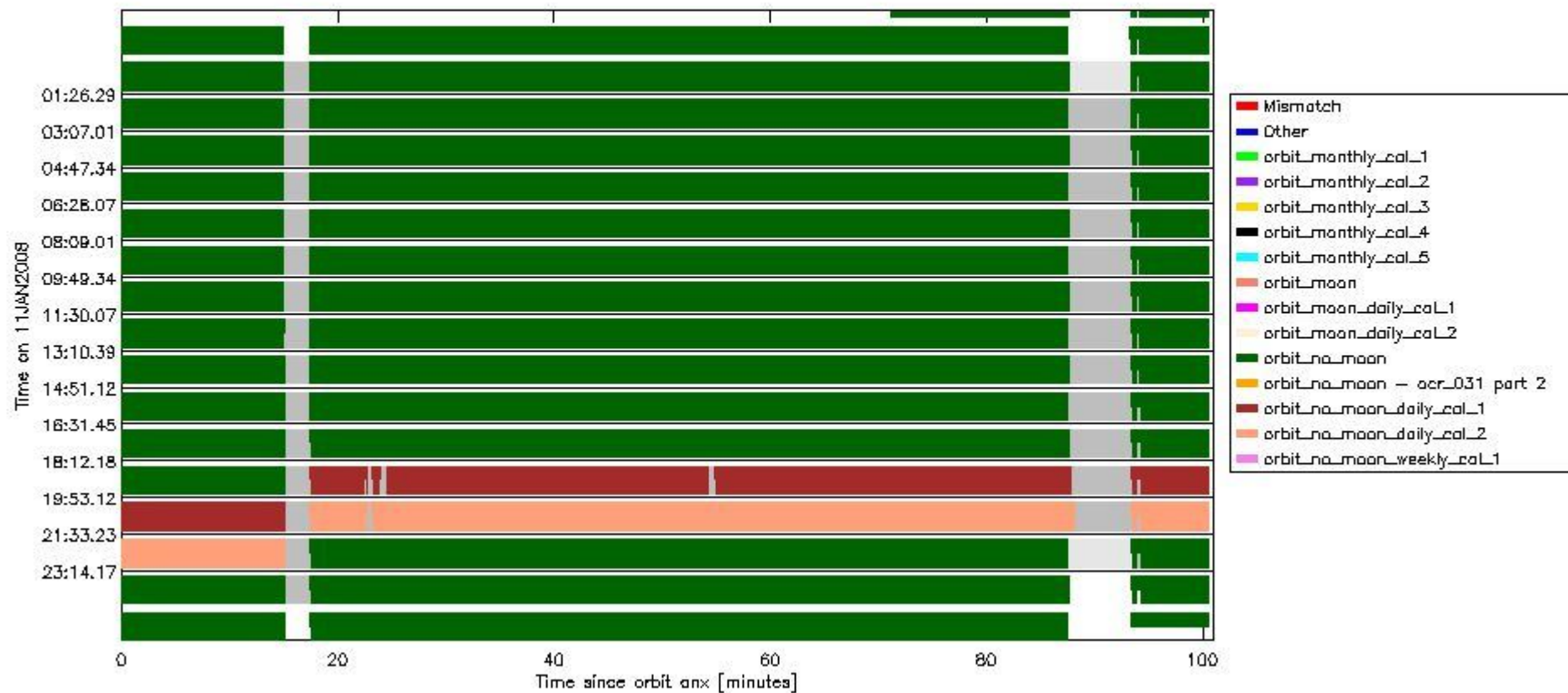


sciamachy_daily_report_level0_KSPT_L0_4302_N_20080111_5.PNG

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 11JAN2008.
 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_20080111_6.PNG

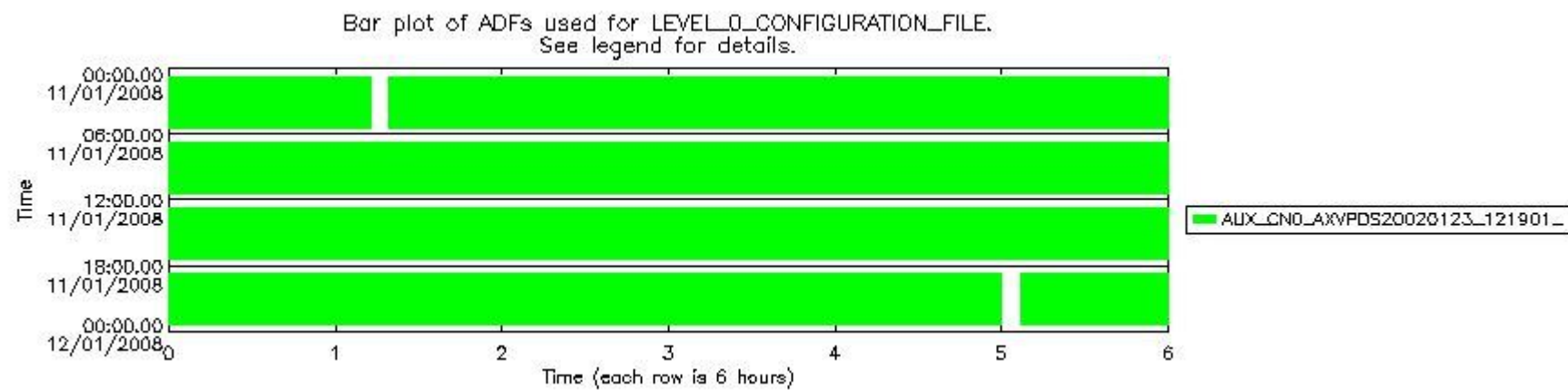
0.4 ADF monitoring

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

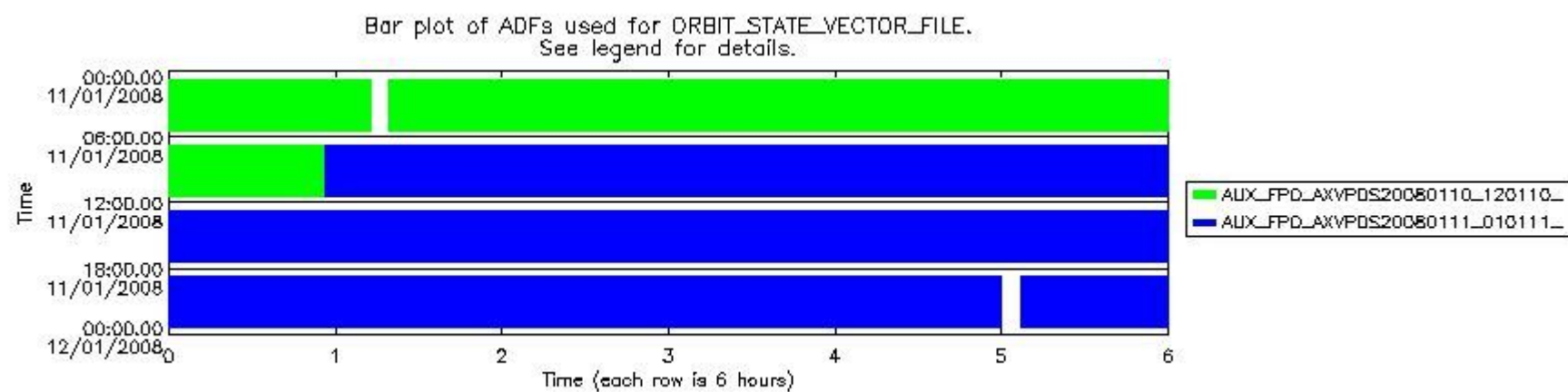
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

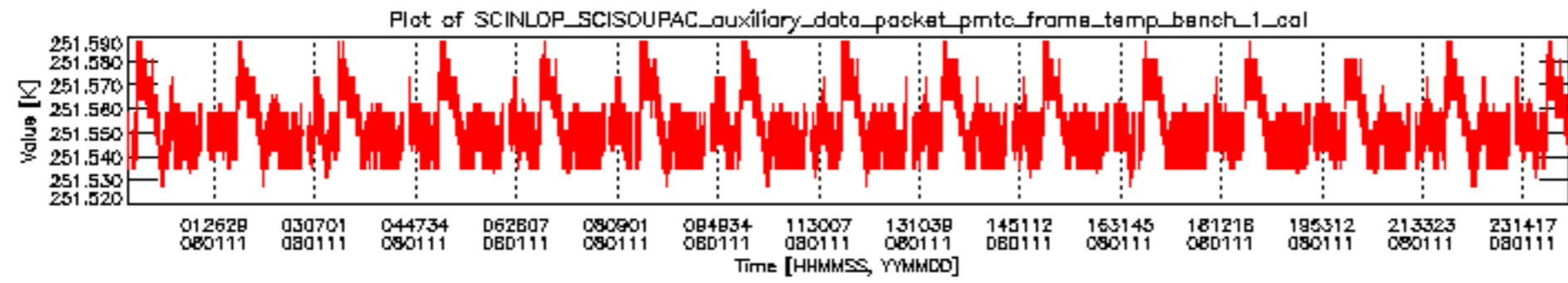
Number	ADF
	CNO (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080110_120110_20080110_102104_20080120_000306
2	AUX_FPO_AXVPDS20080111_010111_20080110_184404_20080120_201017

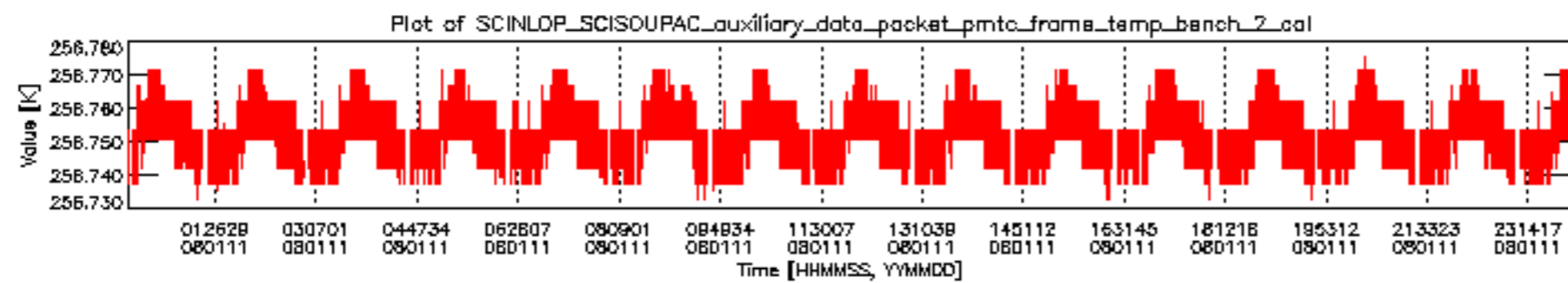


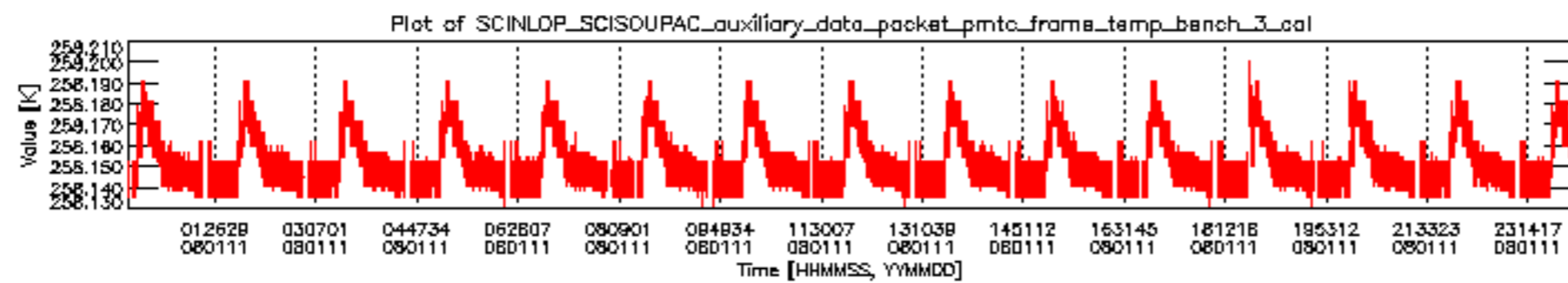
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080111_7.PNG

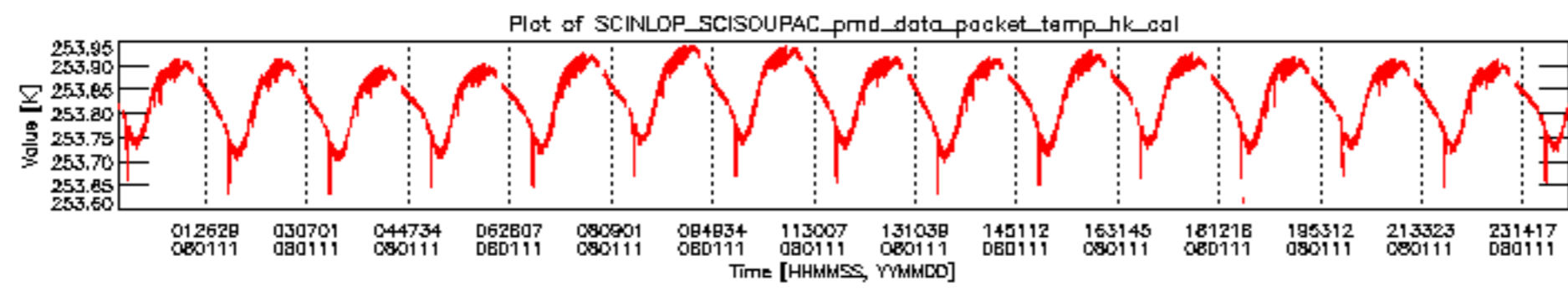


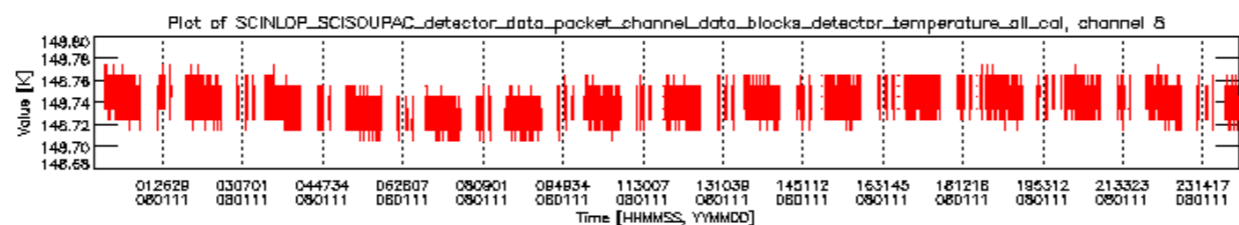
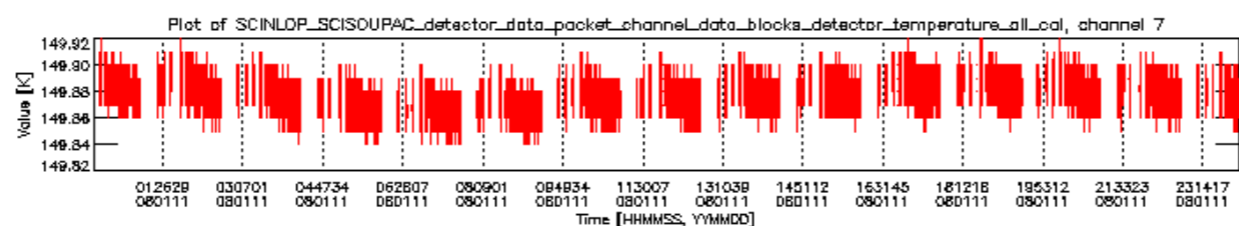
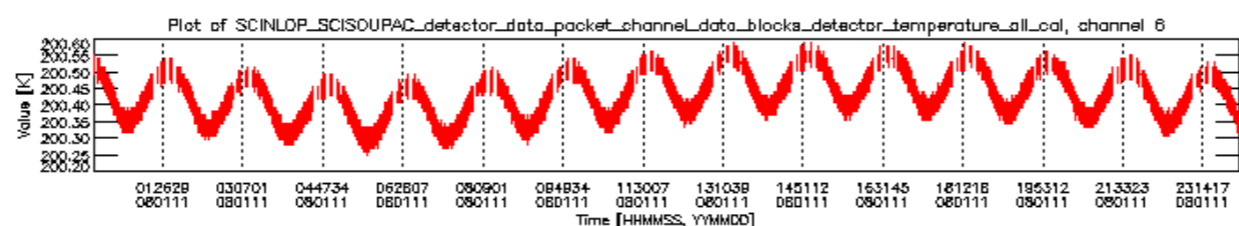
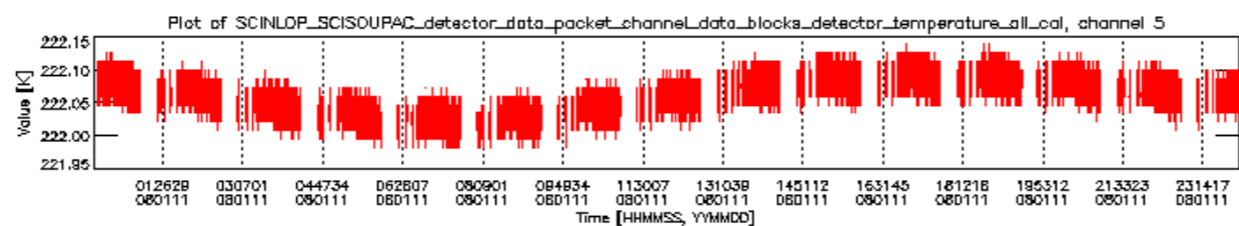
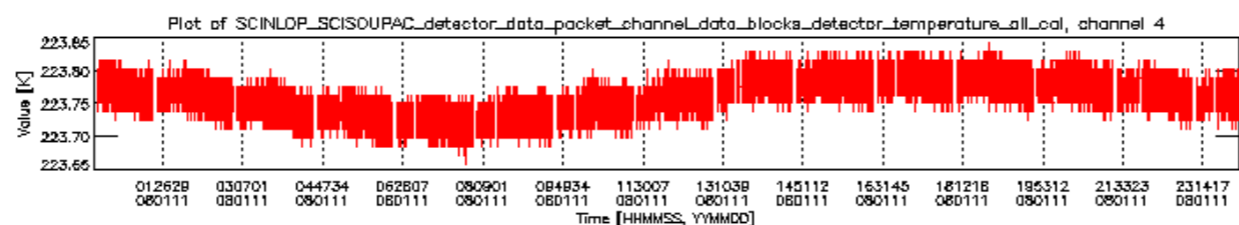
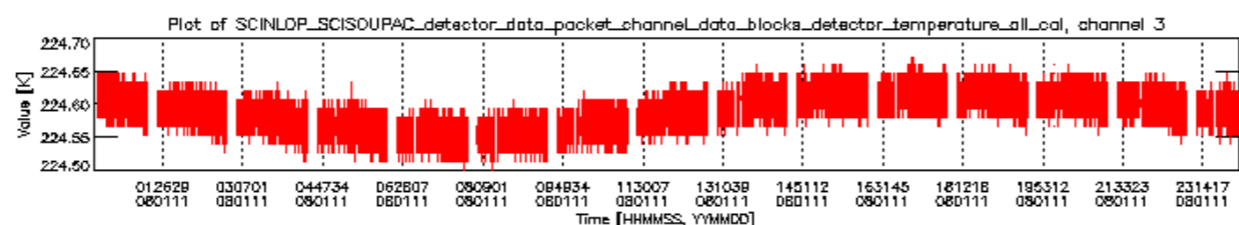
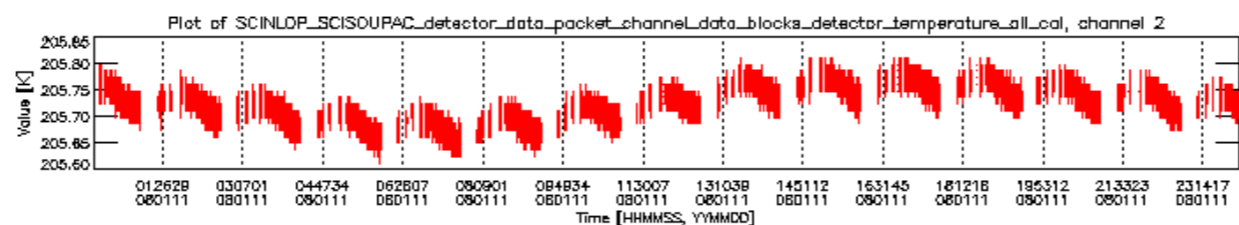
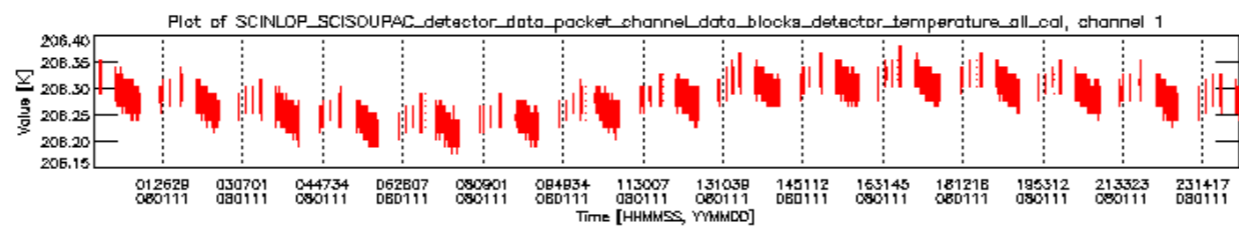
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080111_8.PNG

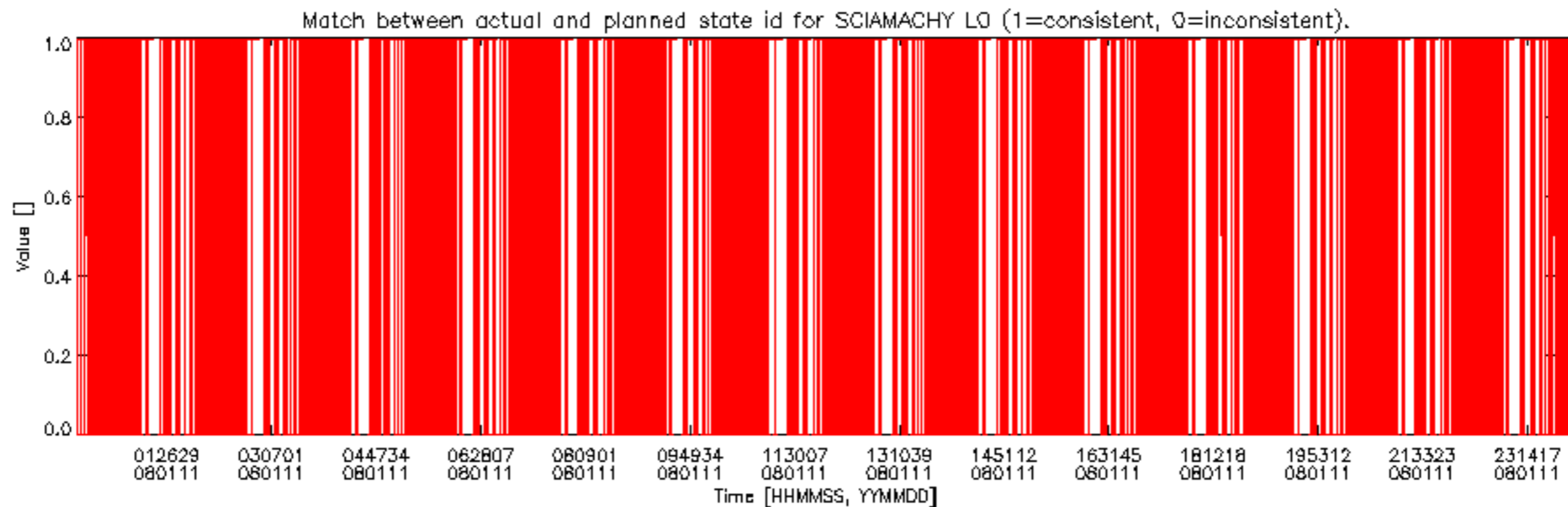
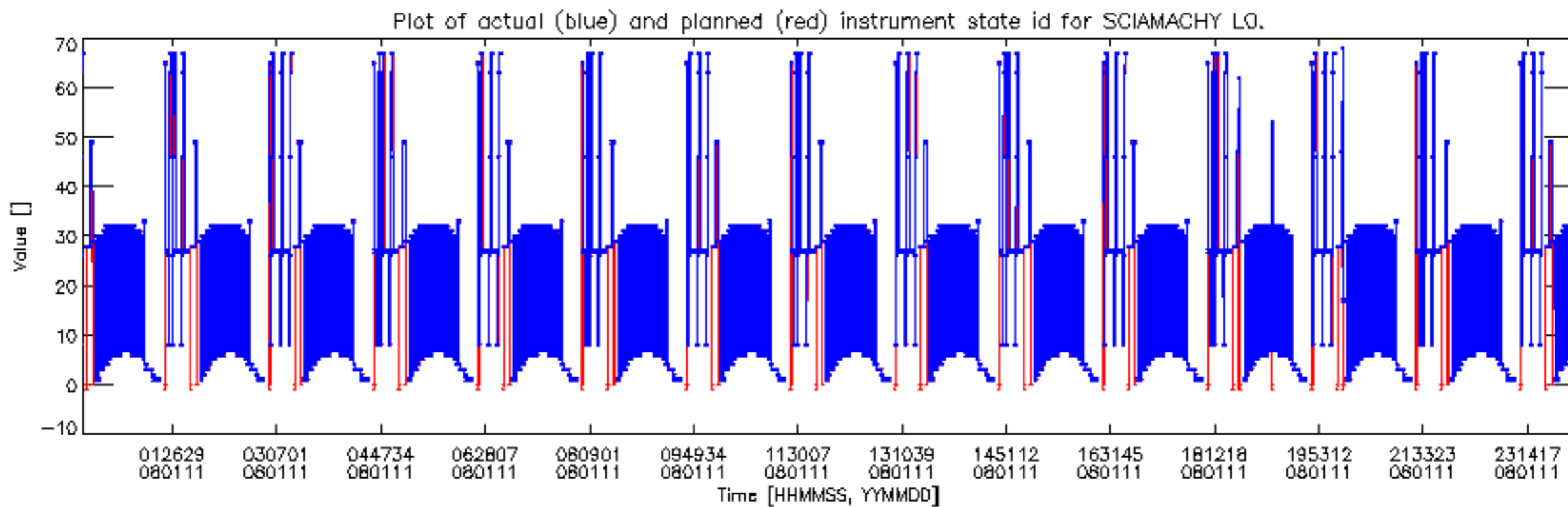


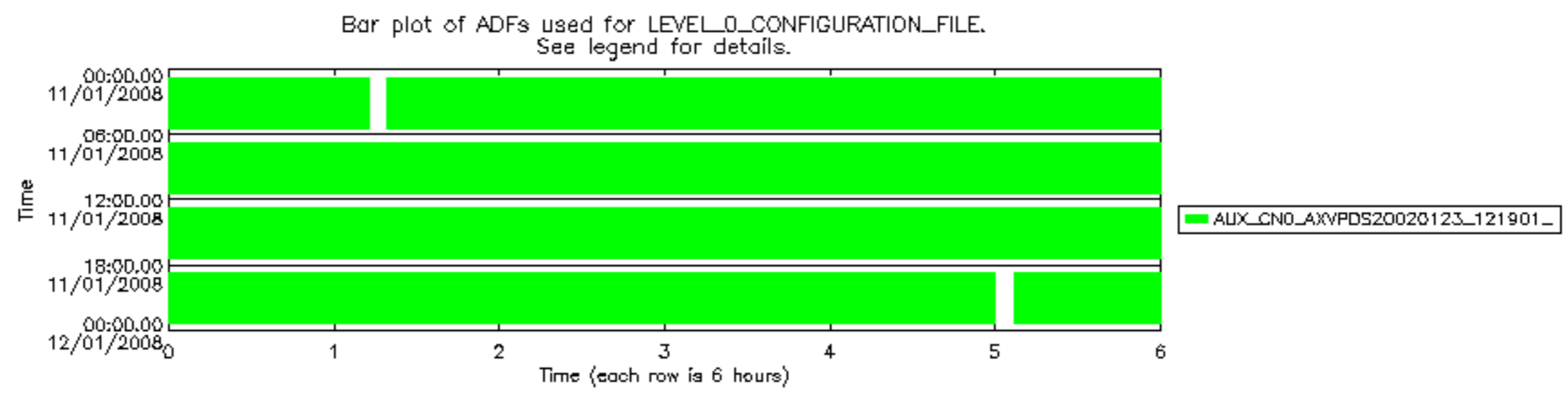












Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

