

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	13OCT2008 05:30:04
Data source version	KSPT_L0/4303-N
Processing scope for products	09OCT2008 00:00:00 to 10OCT2008 00:00:00
Start time of first product within scope	08OCT2008 22:44:19
Stop time of last product within scope	10OCT2008 01:28:12
Total number of level 0 products	17
Number of level 0 products with errors	1

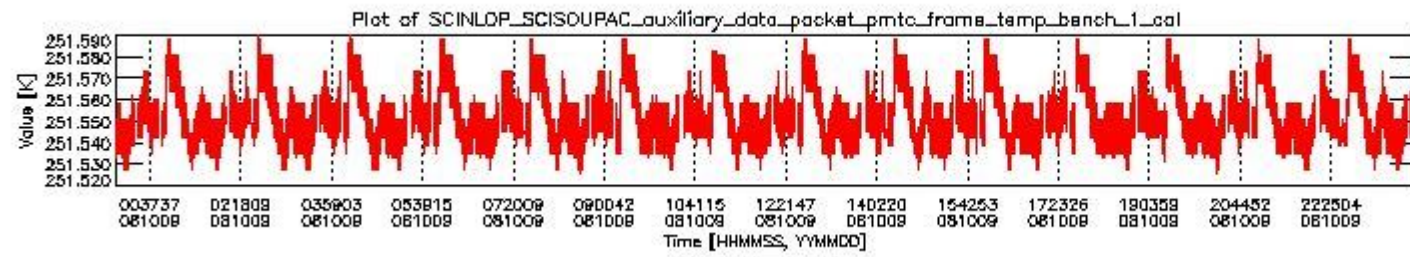
0.1.2 Summary per product

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

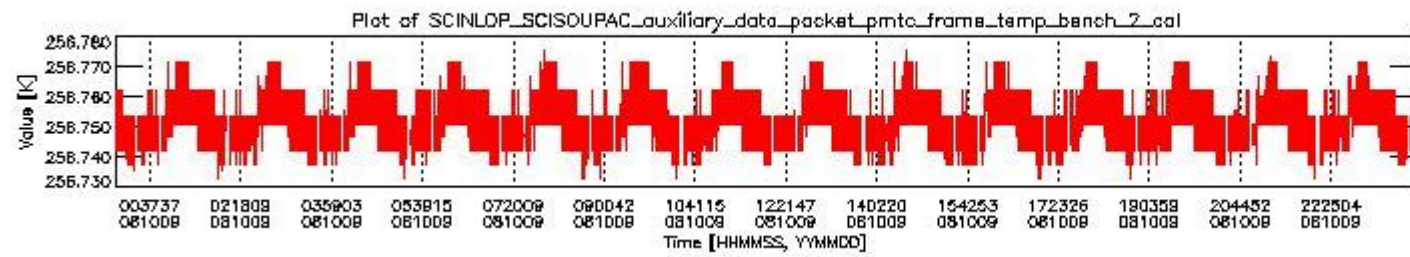
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081008_224419_000056742072_00430_34552_7668.N1	08OCT2008 22:44:19	09OCT2008 00:18:53	0	0	0	0	0
1	SCI_NL__OPNPDE20081009_002455_000056872072_00431_34553_7669.N1	09OCT2008 00:24:55	09OCT2008 01:59:42	0	0	0	0	0
2	SCI_NL__OPNPDE20081009_015942_000049652072_00432_34554_7670.N1	09OCT2008 01:59:42	09OCT2008 03:22:26	0	0	0	0	0
3	SCI_NL__OPNPDE20081009_032131_000058562072_00433_34555_7671.N1	09OCT2008 03:21:31	09OCT2008 04:59:07	0	0	0	0	0
4	SCI_NL__OPNPDE20081009_045758_000060922072_00434_34556_7672.N1	09OCT2008 04:57:58	09OCT2008 06:39:31	0	0	0	0	0
5	SCI_NL__OPNPDK20081009_063835_000040462072_00435_34557_9614.N1	09OCT2008 06:38:35	09OCT2008 07:46:00	0	0	0	0	0
6	SCI_NL__OPNPDK20081009_074600_000062172072_00436_34558_9615.N1	09OCT2008 07:46:00	09OCT2008 09:29:37	0	0	0	0	0
7	SCI_NL__OPNPDK20081009_092841_000059812072_00437_34559_9616.N1	09OCT2008 09:28:41	09OCT2008 11:08:22	0	0	0	0	0
8	SCI_NL__OPNPDK20081009_110713_000059682072_00438_34560_9617.N1	09OCT2008 11:07:13	09OCT2008 12:46:41	1	1	0	0	0
9	SCI_NL__OPNPDK20081009_124545_000059812072_00439_34561_9619.N1	09OCT2008 12:45:45	09OCT2008 14:25:26	0	0	0	0	0
10	SCI_NL__OPNPDK20081009_142321_000060362072_00440_34562_9620.N1	09OCT2008 14:23:21	09OCT2008 16:03:58	0	0	0	0	0
11	SCI_NL__OPNPDK20081009_160206_000058992072_00441_34563_9621.N1	09OCT2008 16:02:06	09OCT2008 17:40:25	0	0	0	0	0
12	SCI_NL__OPNPDK20081009_173832_000060922072_00442_34564_9622.N1	09OCT2008 17:38:32	09OCT2008 19:20:04	0	0	0	0	0
13	SCI_NL__OPNPDK20081009_191908_000060922072_00443_34565_9623.N1	09OCT2008 19:19:08	09OCT2008 21:00:41	0	0	0	0	0
14	SCI_NL__OPNPDE20081009_205849_000040902072_00444_34566_7673.N1	09OCT2008 20:58:49	09OCT2008 22:06:59	0	0	0	0	0
15	SCI_NL__OPNPDE20081009_221249_000060362072_00444_34566_7674.N1	09OCT2008 22:12:49	09OCT2008 23:53:25	0	0	0	0	0
16	SCI_NL__OPNPDE20081009_235325_000056872072_00445_34567_7675.N1	09OCT2008 23:53:25	10OCT2008 01:28:12	0	0	0	0	0

0.2 Product Quality Indicators

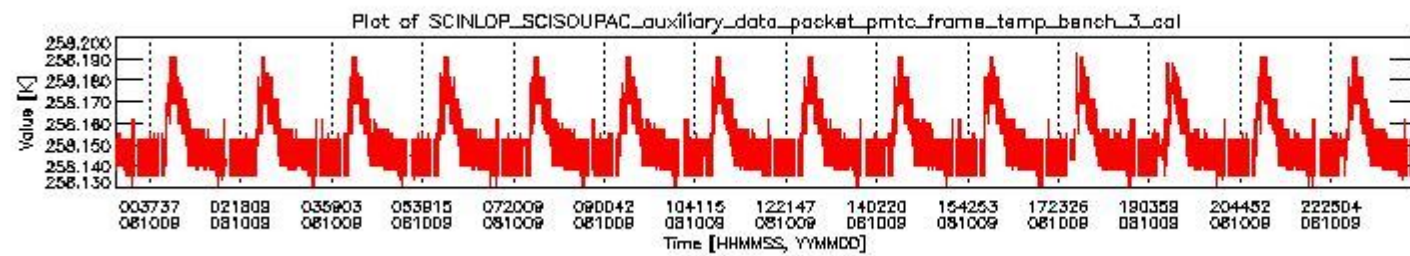
This section shows information about product quality, currently temperatures.



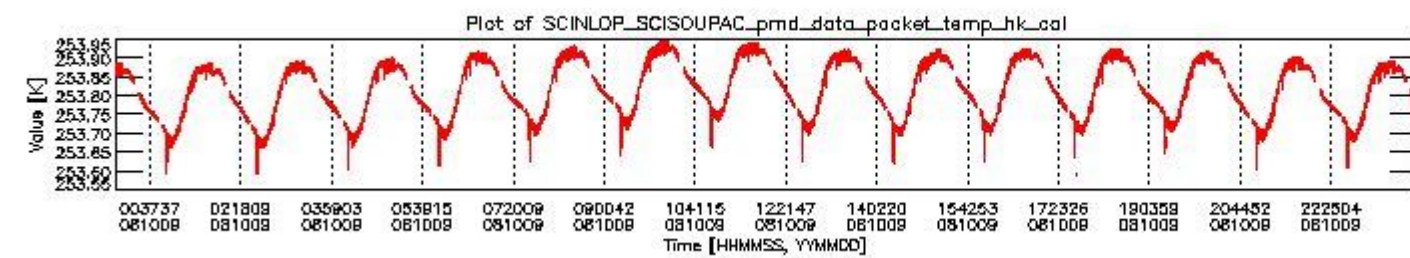
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081009_0.PNG



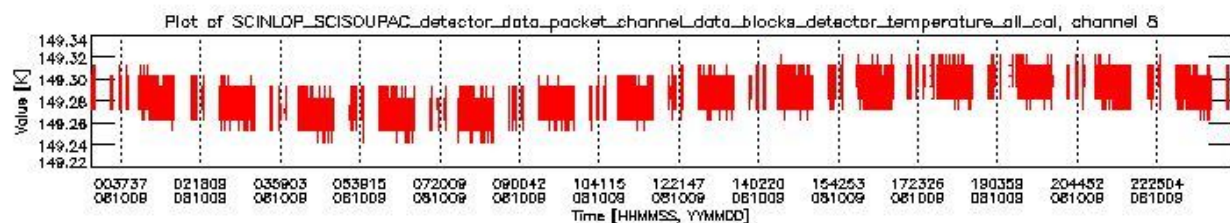
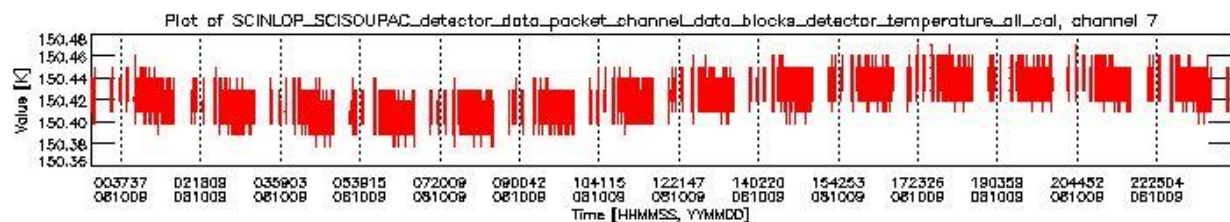
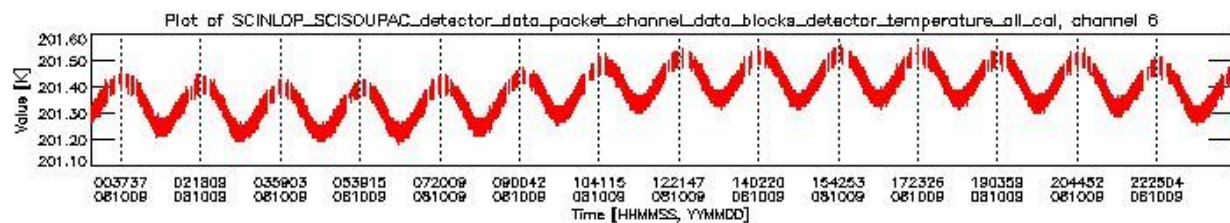
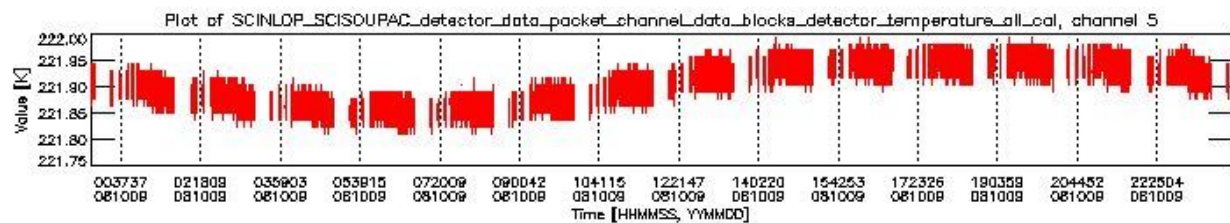
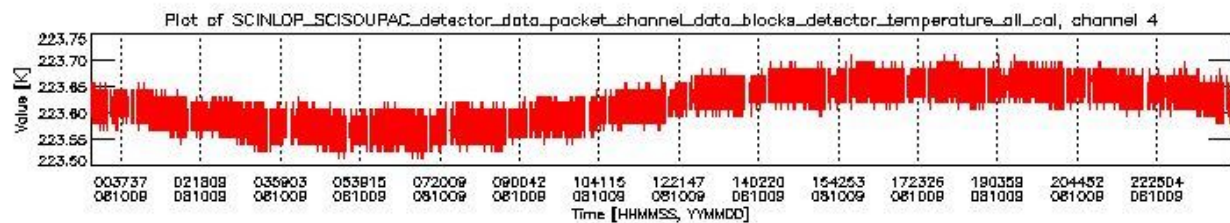
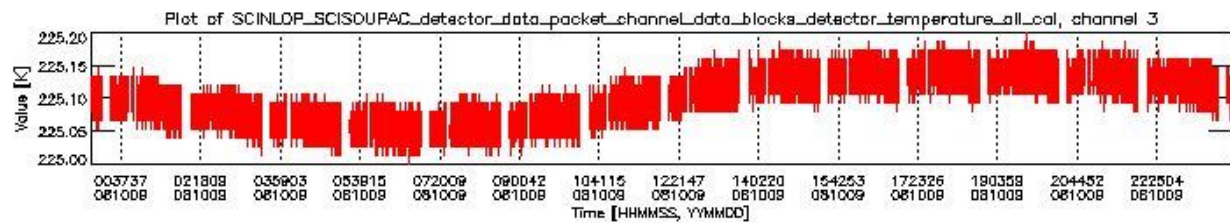
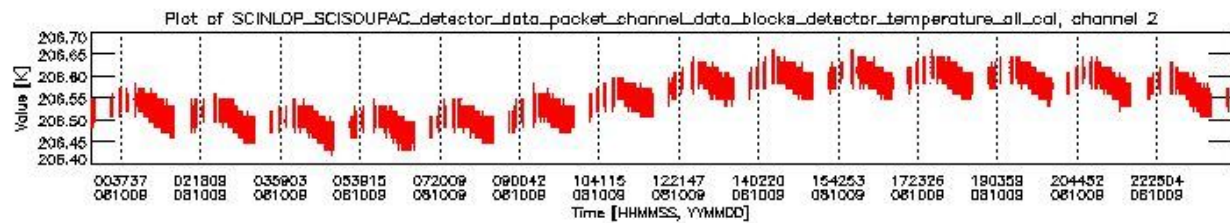
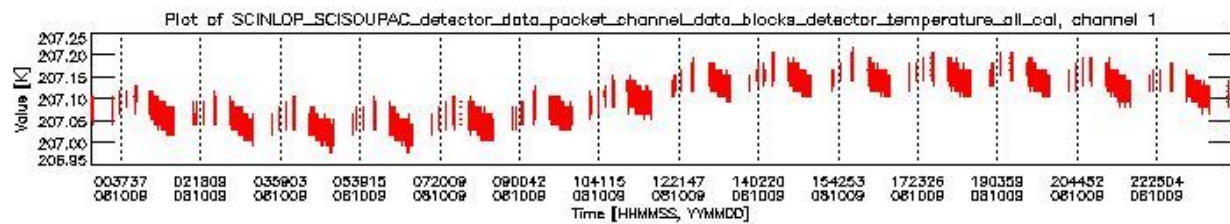
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081009_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081009_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081009_3.PNG

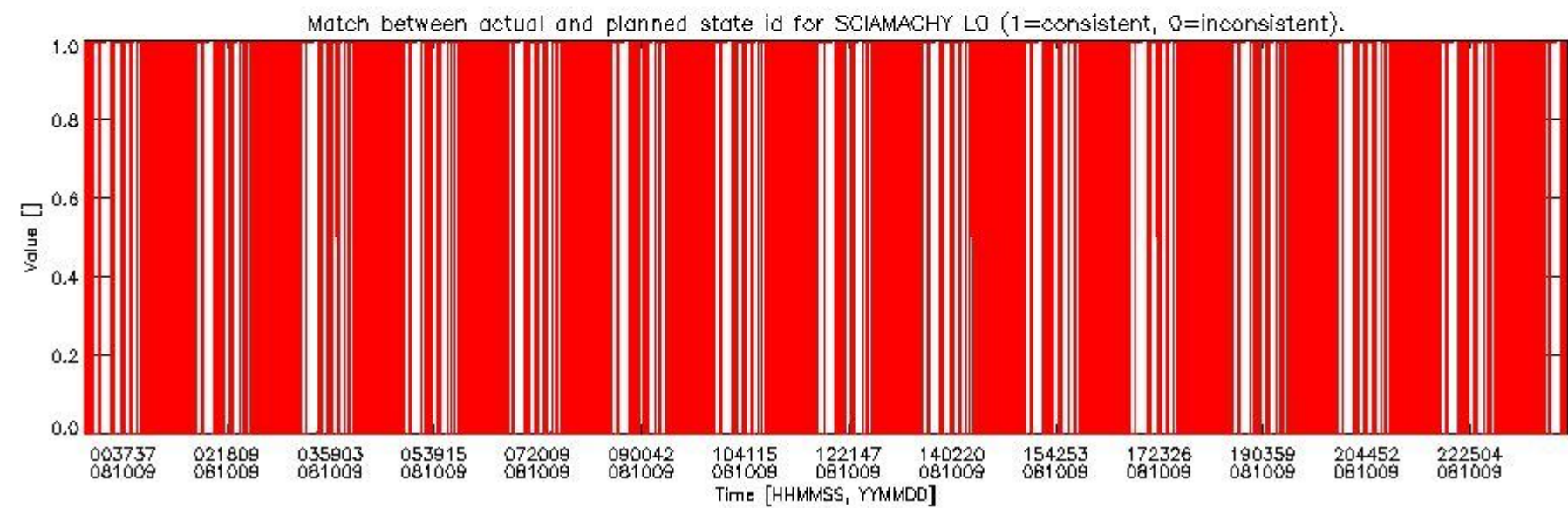
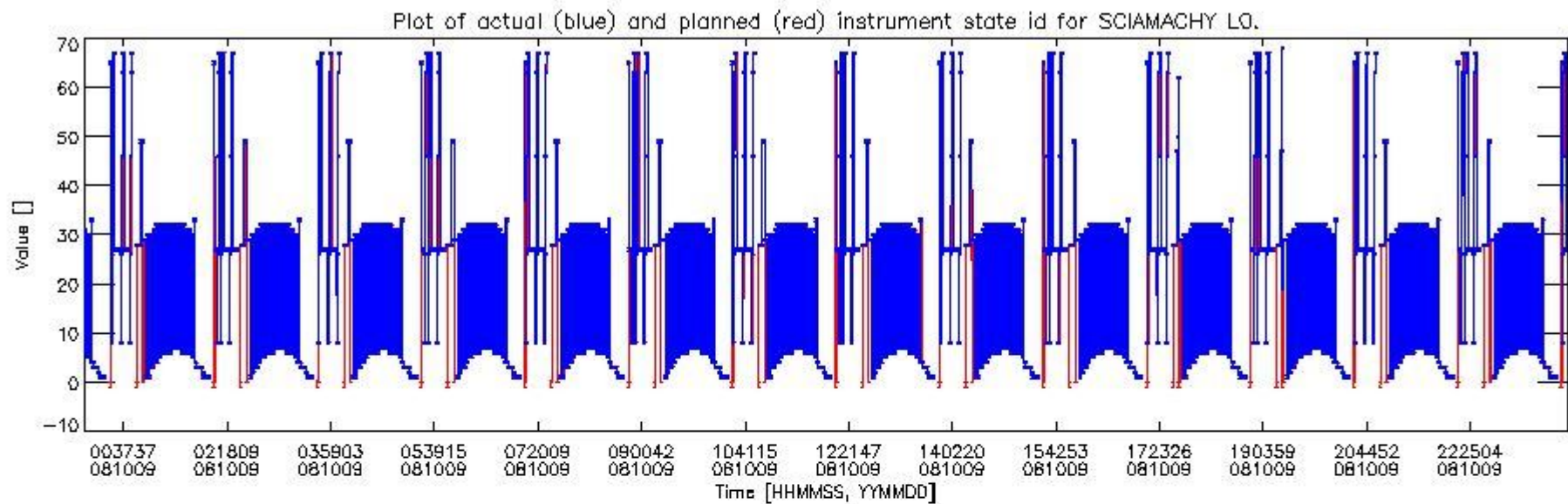


0.3 State monitoring

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: **44525**

#	Actual time	Actual value	Planned time	Planned value
0	09OCT2008 00:00:18.330337	31	09OCT2008 00:00:18.330337	6
1	09OCT2008 00:00:18.955359	31	09OCT2008 00:00:18.955359	6
2	09OCT2008 00:00:19.330372	31	09OCT2008 00:00:19.330372	6
3	09OCT2008 00:00:19.705345	31	09OCT2008 00:00:19.705345	6
4	09OCT2008 00:00:20.267844	31	09OCT2008 00:00:20.267844	6
5	09OCT2008 00:00:20.642857	31	09OCT2008 00:00:20.642857	6
6	09OCT2008 00:00:21.017870	31	09OCT2008 00:00:21.017870	6
7	09OCT2008 00:00:21.392843	31	09OCT2008 00:00:21.392843	6
8	09OCT2008 00:00:21.955343	31	09OCT2008 00:00:21.955343	6
9	09OCT2008 00:00:22.330356	31	09OCT2008 00:00:22.330356	6
10	09OCT2008 00:00:22.705369	31	09OCT2008 00:00:22.705369	6
11	09OCT2008 00:00:23.080342	31	09OCT2008 00:00:23.080342	6
12	09OCT2008 00:00:23.330350	31	09OCT2008 00:00:23.330350	6
13	09OCT2008 00:00:23.642841	31	09OCT2008 00:00:23.642841	6
14	09OCT2008 00:00:24.017854	31	09OCT2008 00:00:24.017854	6
15	09OCT2008 00:00:24.392867	31	09OCT2008 00:00:24.392867	6
16	09OCT2008 00:00:24.767840	31	09OCT2008 00:00:24.767840	6
17	09OCT2008 00:00:25.330339	31	09OCT2008 00:00:25.330339	6
18	09OCT2008 00:00:25.705352	31	09OCT2008 00:00:25.705352	6
19	09OCT2008 00:00:26.080365	31	09OCT2008 00:00:26.080365	6

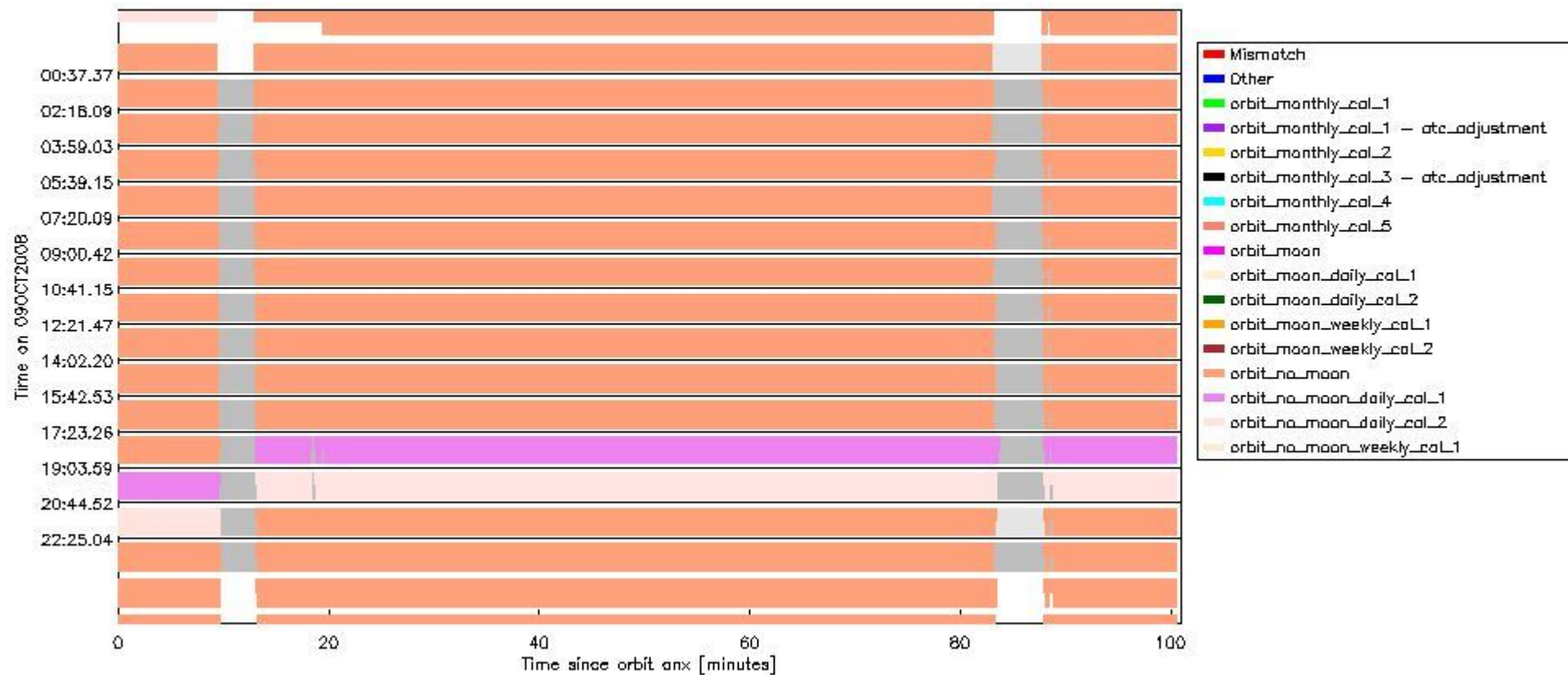


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081009_5.PNG

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 09OCT2008.
 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_20081009_6.PNG

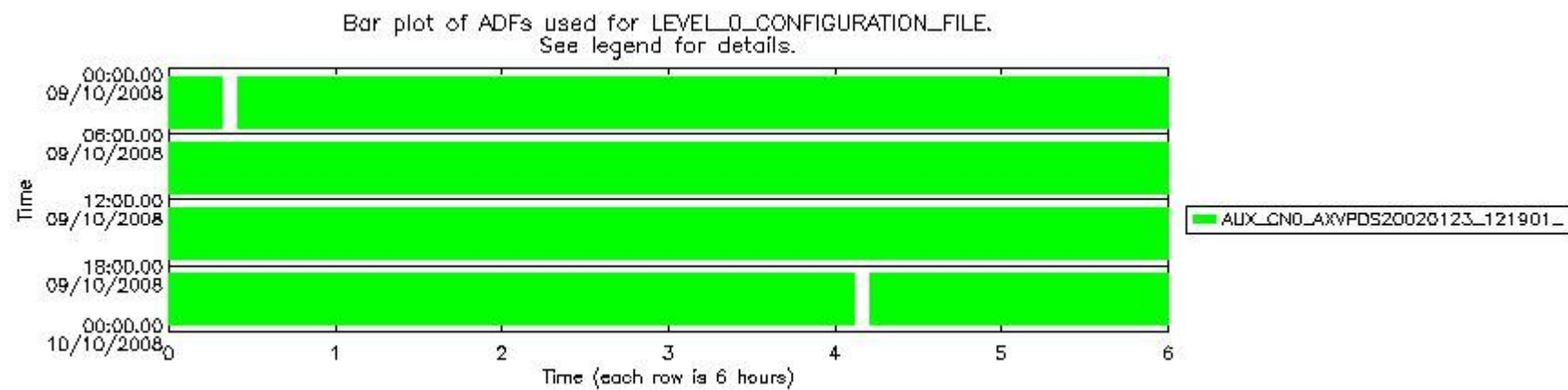
0.4 ADF monitoring

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

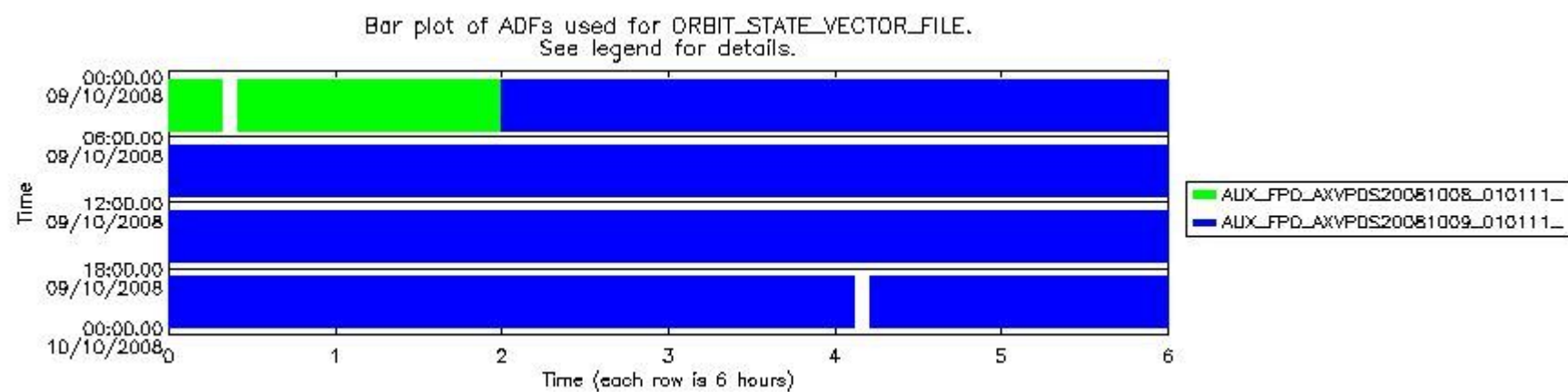
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

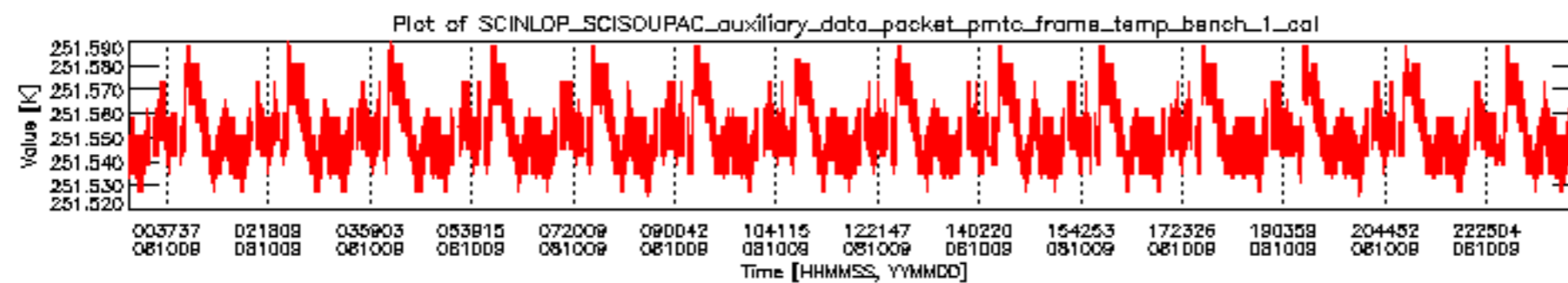
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081008_010111_20081007_182648_20081017_213338
2	AUX_FPO_AXVPDS20081009_010111_20081008_193547_20081018_210201

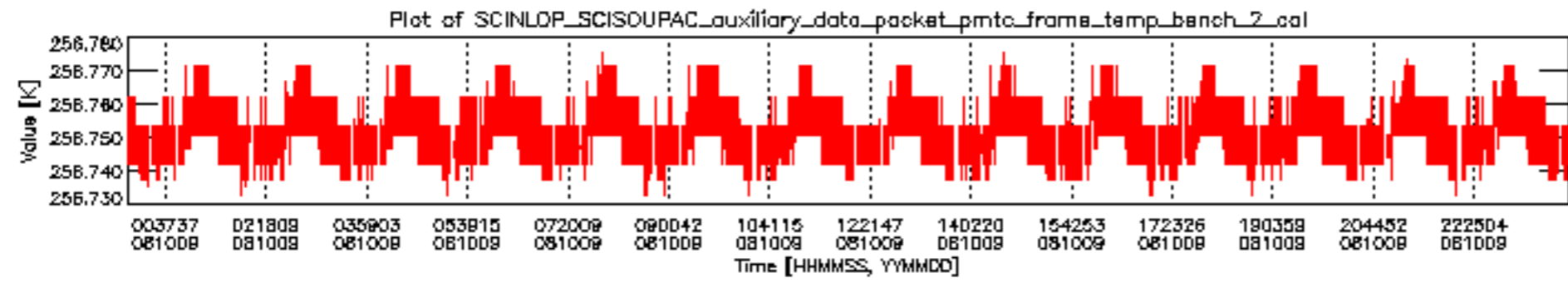


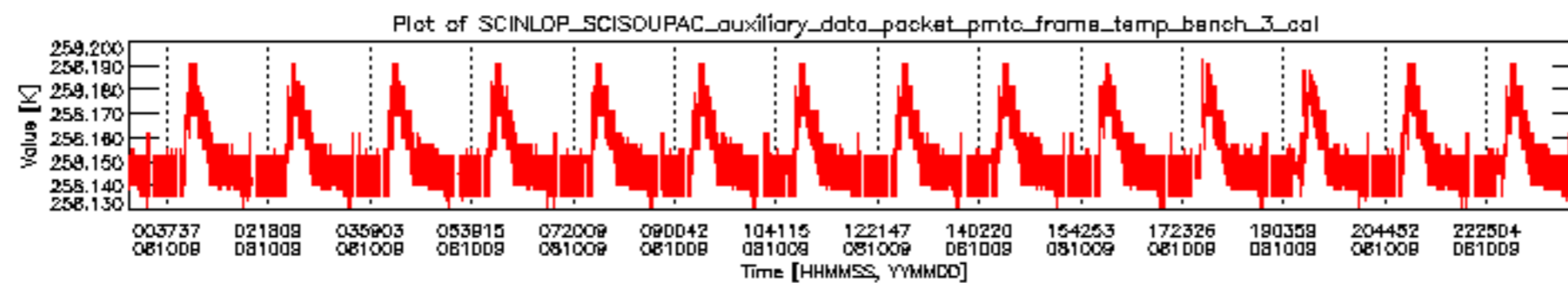
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081009_7.PNG

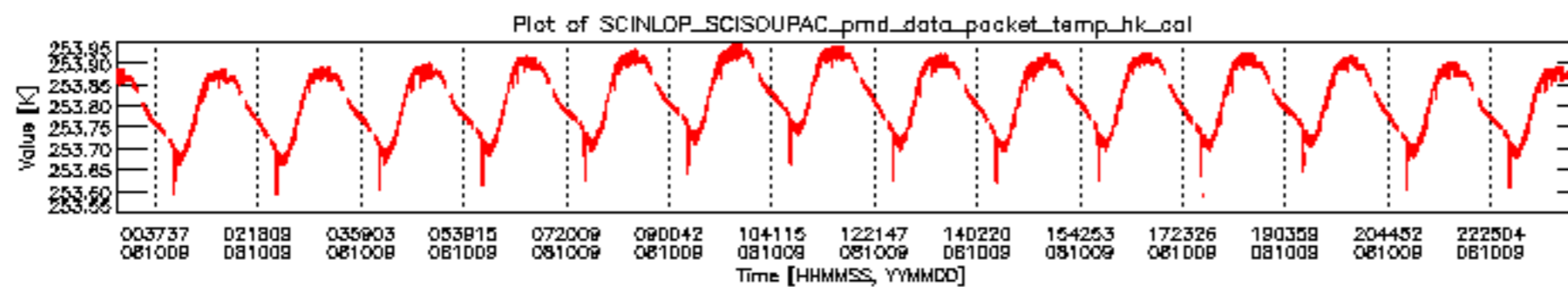


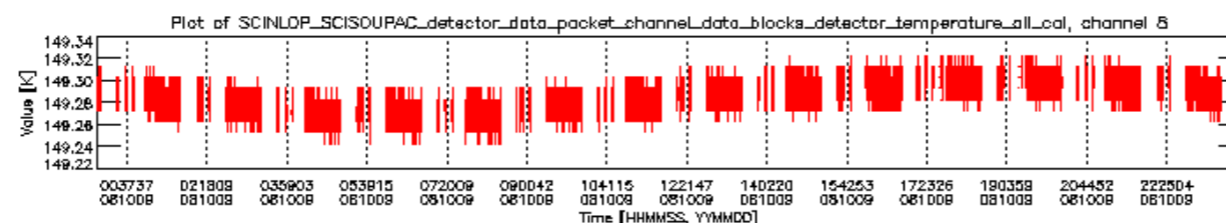
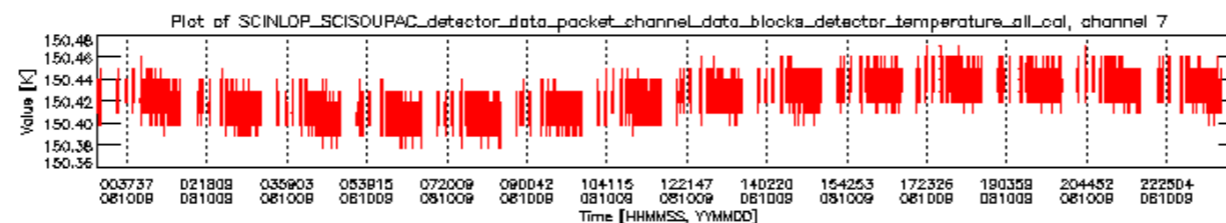
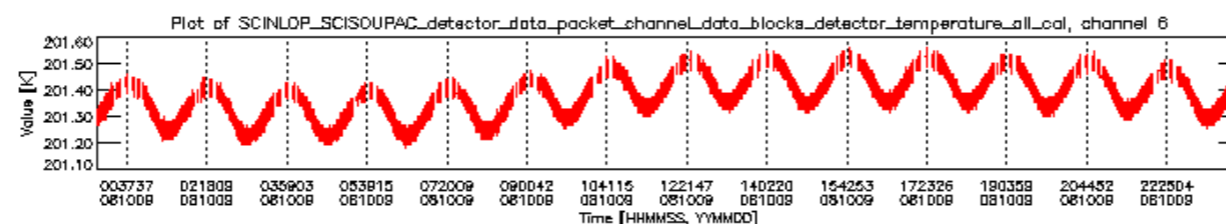
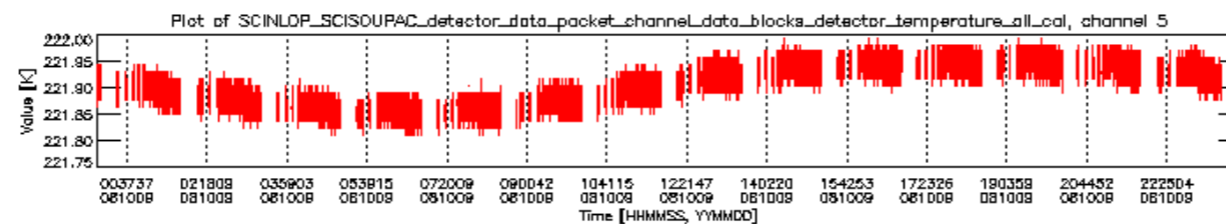
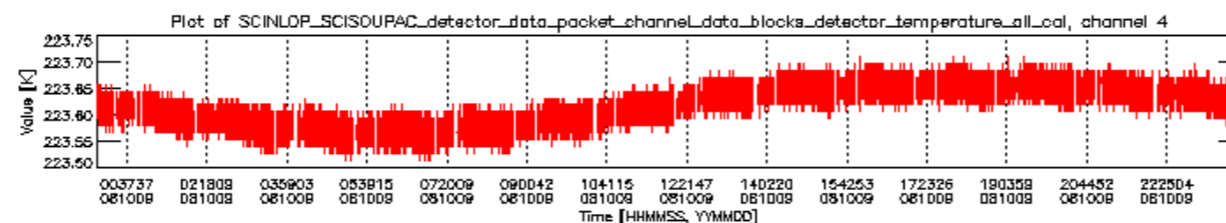
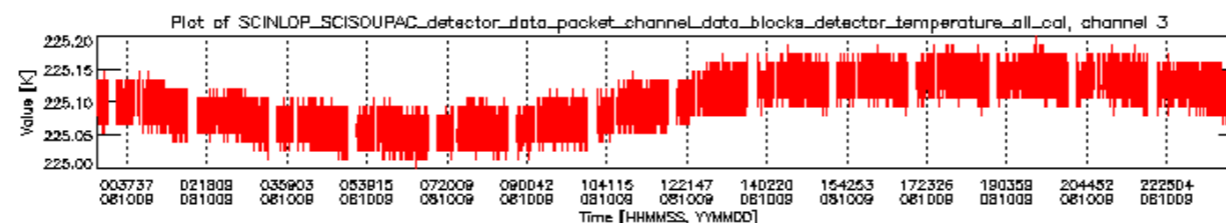
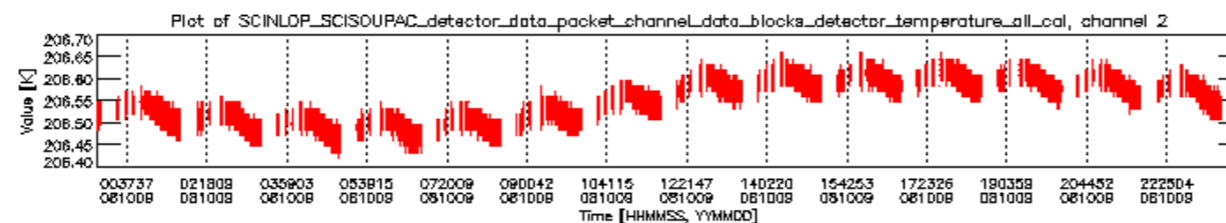
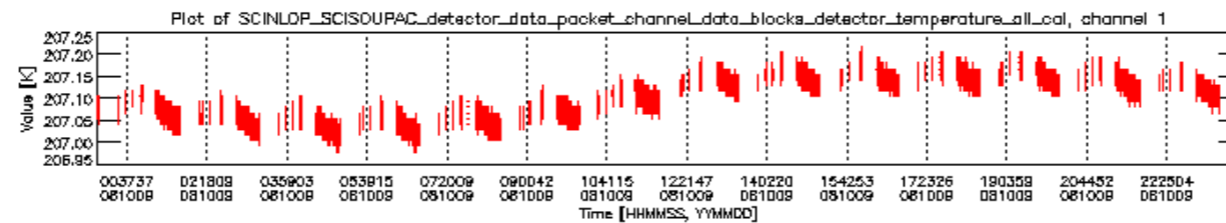
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081009_8.PNG

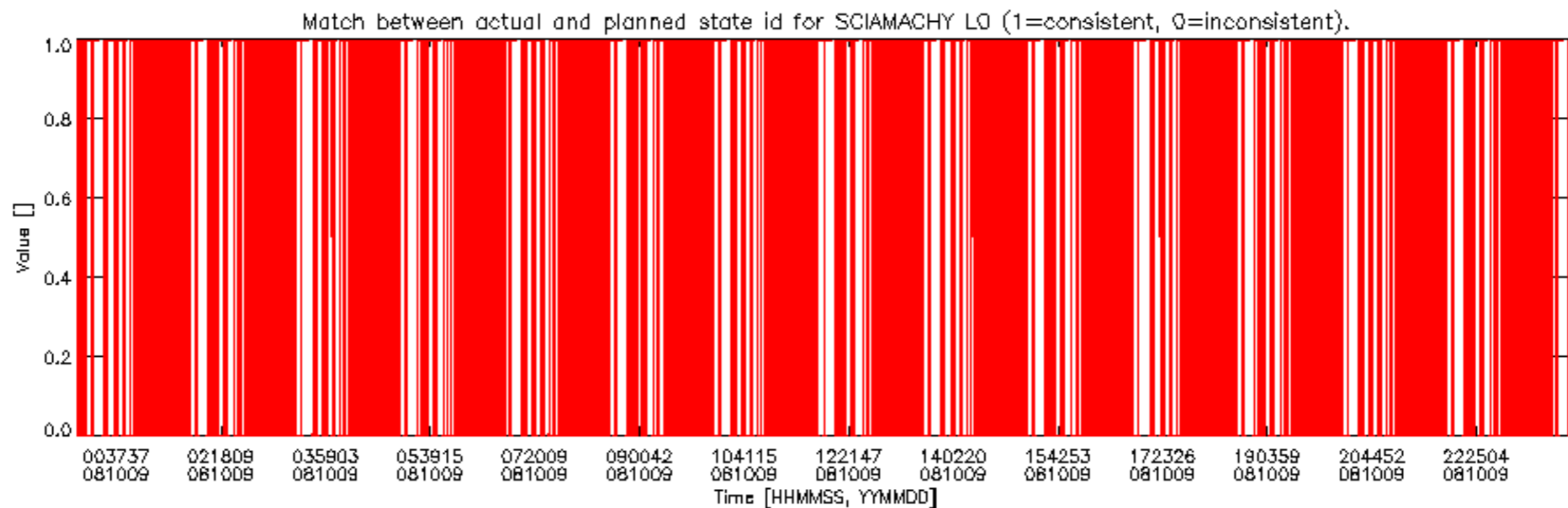
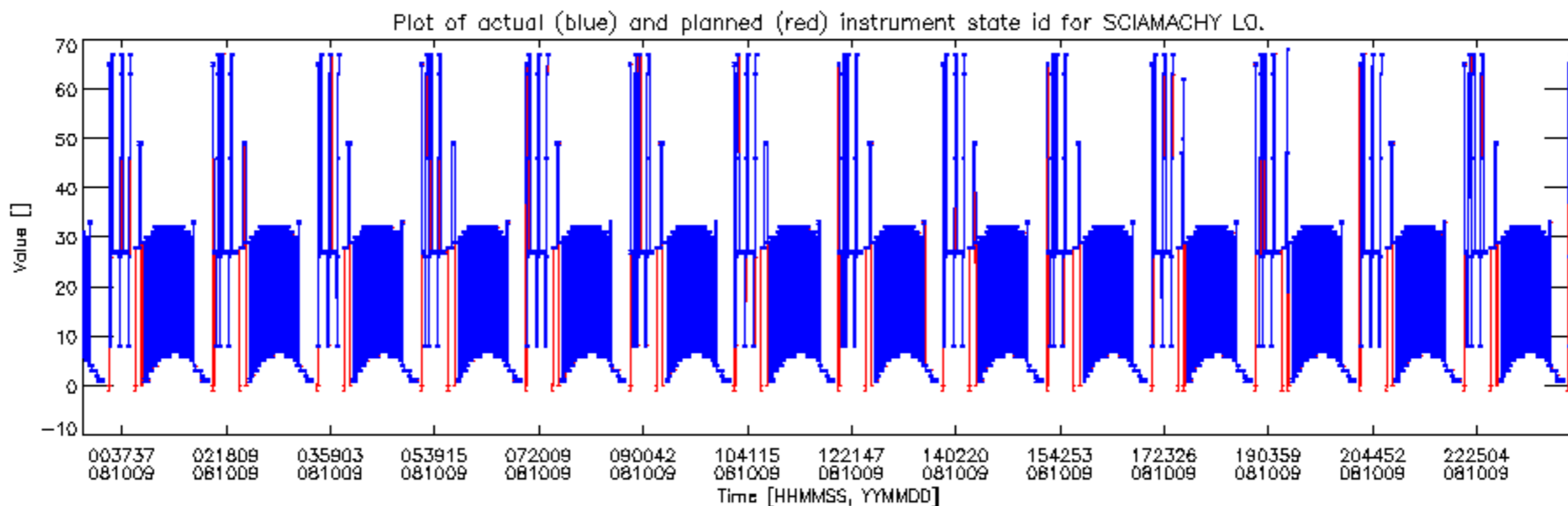




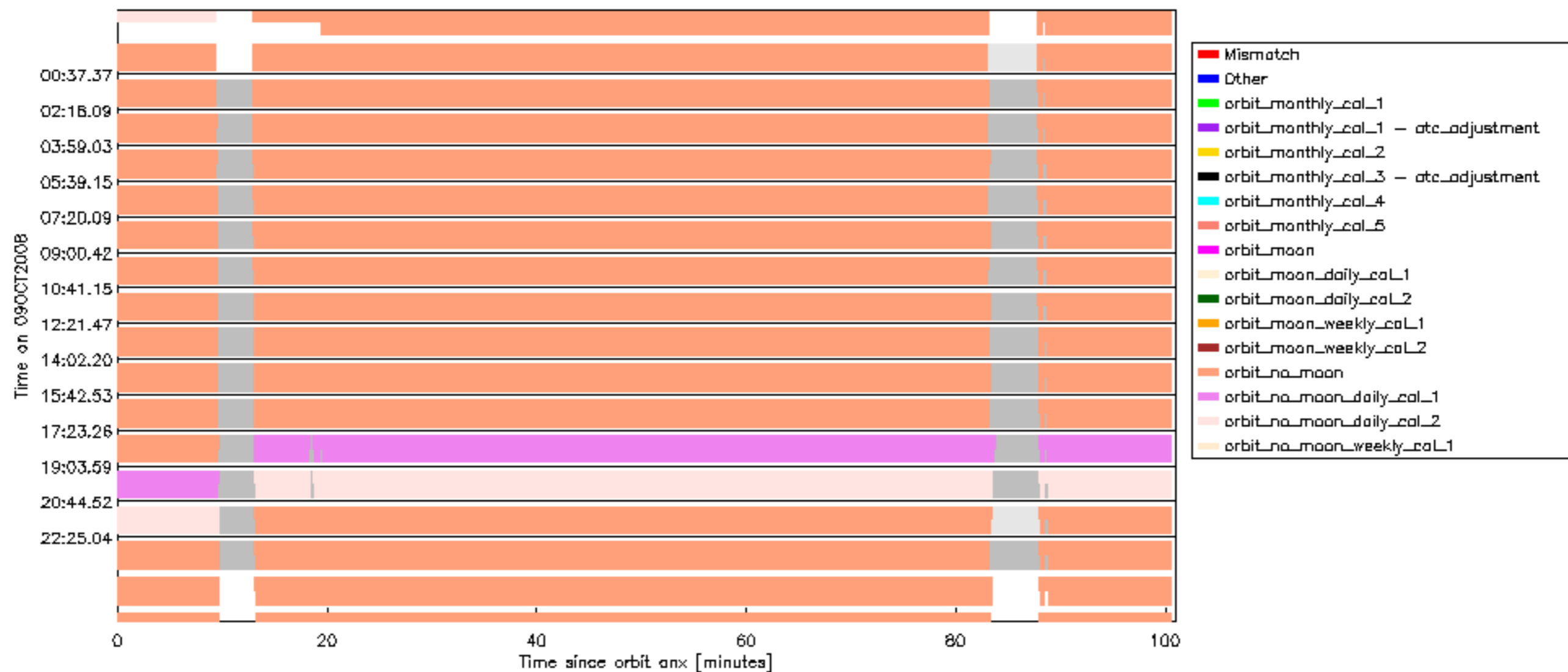


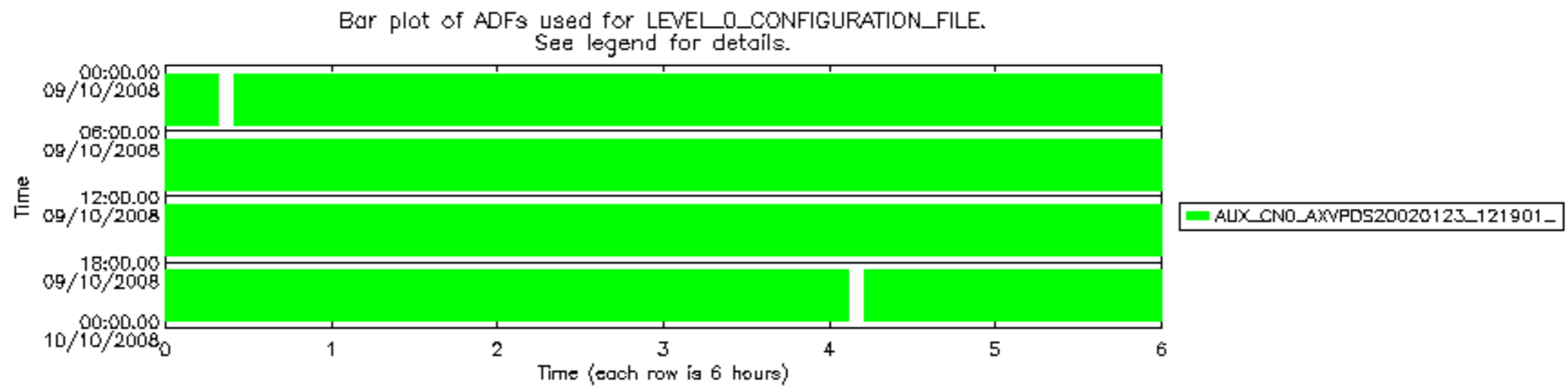






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 09OCT2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

