

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	05APR2008 04:34:41
Data source version	KSPT_L0/4303-N
Processing scope for products	01APR2008 00:00:00 to 02APR2008 00:00:00
Start time of first product within scope	31MAR2008 23:22:02
Stop time of last product within scope	02APR2008 00:36:00
Total number of level 0 products	13
Number of level 0 products with errors	4

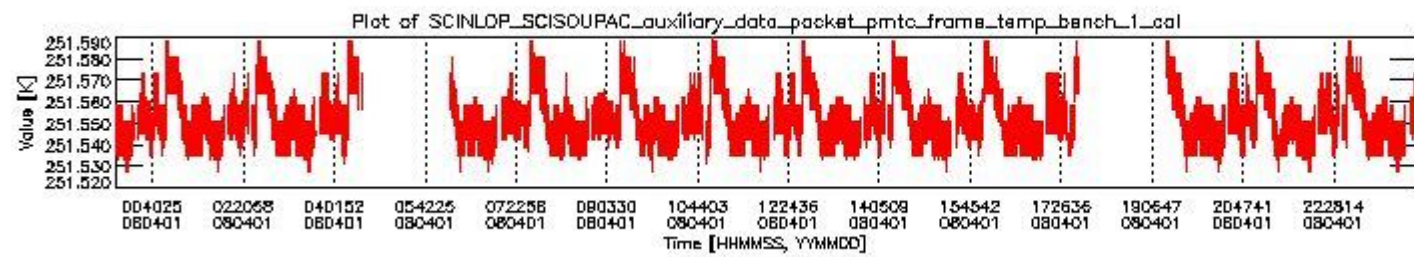
0.1.2 Summary per product

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

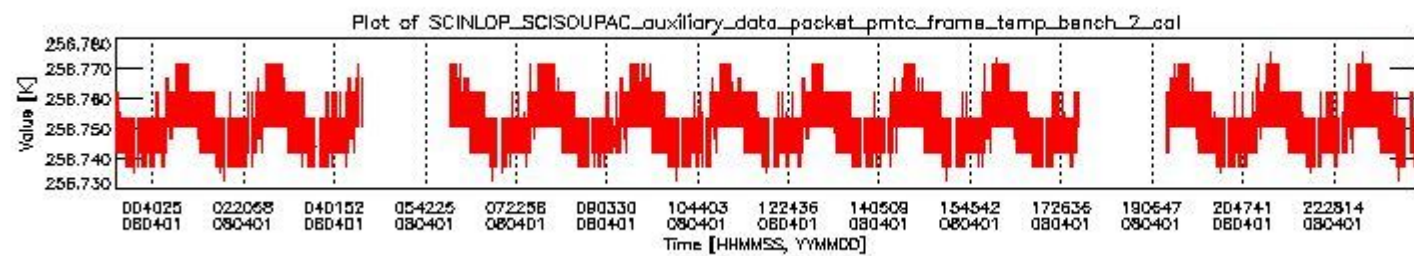
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080331_232202_000063402067_00202_31819_6338.N1	31MAR2008 23:22:02	01APR2008 01:07:43	1	0	1	0	0
1	SCI_NL__OPNPDE20080401_010334_000063532067_00203_31820_6339.N1	01APR2008 01:03:34	01APR2008 02:49:27	1	0	1	0	0
2	SCI_NL__OPNPDE20080401_024626_000063402067_00204_31821_6340.N1	01APR2008 02:46:26	01APR2008 04:32:07	1	0	1	0	0
3	SCI_NL__OPNPDK20080401_060942_000062722067_00206_31823_7822.N1	01APR2008 06:09:42	01APR2008 07:54:14	0	0	0	0	0
4	SCI_NL__OPNPDK20080401_075318_000059112067_00207_31824_7823.N1	01APR2008 07:53:18	01APR2008 09:31:49	0	0	0	0	0
5	SCI_NL__OPNPDK20080401_093149_000059672067_00208_31825_7824.N1	01APR2008 09:31:49	01APR2008 11:11:16	0	0	0	0	0
6	SCI_NL__OPNPDK20080401_111116_000059802067_00209_31826_7825.N1	01APR2008 11:11:16	01APR2008 12:50:55	0	0	0	0	0
7	SCI_NL__OPNPDK20080401_125055_000058422067_00210_31827_7826.N1	01APR2008 12:50:55	01APR2008 14:28:18	0	0	0	0	0
8	SCI_NL__OPNPDK20080401_142722_000059112067_00211_31828_7827.N1	01APR2008 14:27:22	01APR2008 16:05:53	0	0	0	0	0
9	SCI_NL__OPNPDK20080401_160457_000059652067_00212_31829_7828.N1	01APR2008 16:04:57	01APR2008 17:44:22	0	0	0	0	0
10	SCI_NL__OPNPDK20080401_192233_000061822067_00214_31831_7830.N1	01APR2008 19:22:33	01APR2008 21:05:35	0	0	0	0	0
11	SCI_NL__OPNPDK20080401_210343_000062162067_00215_31832_7831.N1	01APR2008 21:03:43	01APR2008 22:47:19	0	0	0	0	0
12	SCI_NL__OPNPDE20080401_224611_000065892067_00216_31833_6344.N1	01APR2008 22:46:11	02APR2008 00:36:00	1	0	1	0	0

0.2 Product Quality Indicators

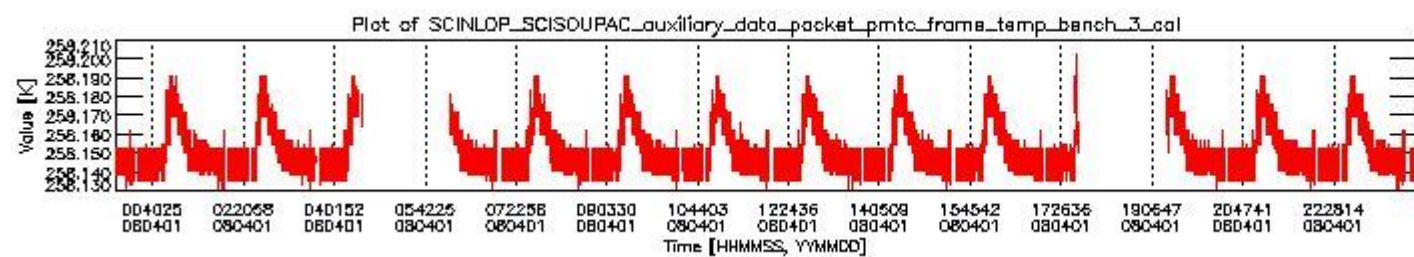
This section shows information about product quality, currently temperatures.



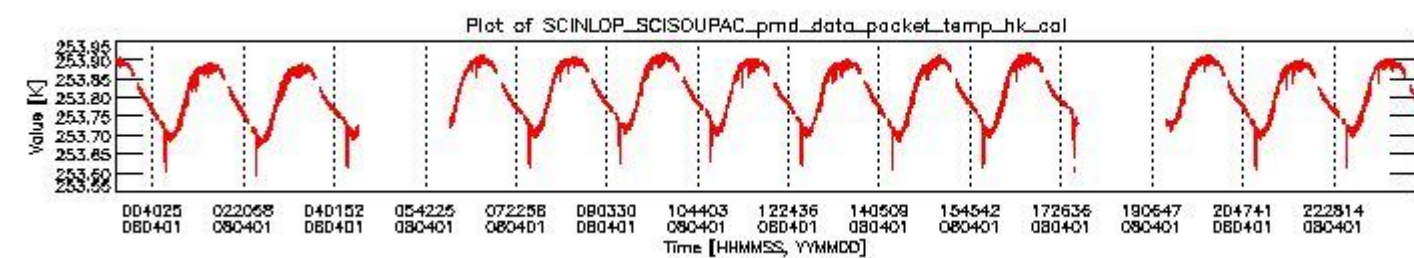
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080401_0.PNG



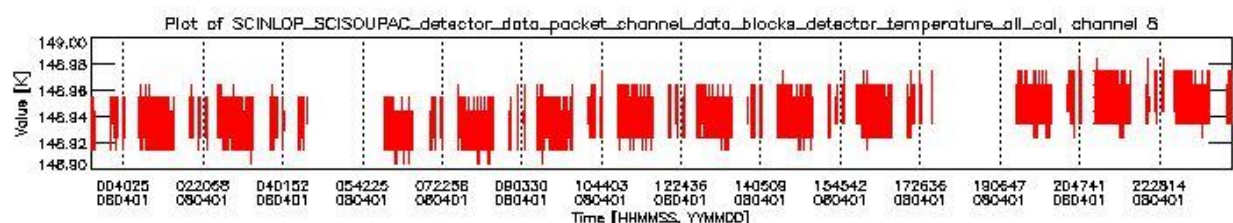
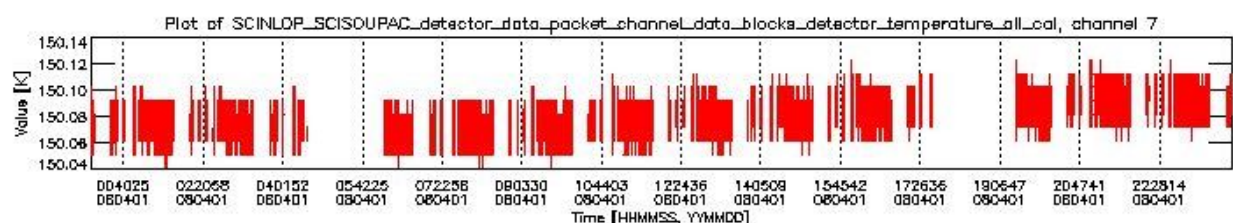
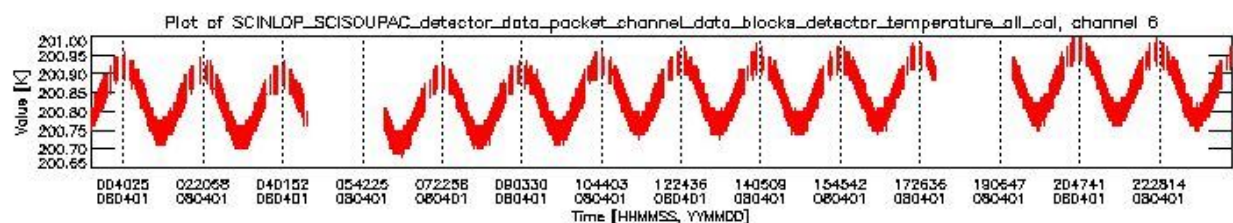
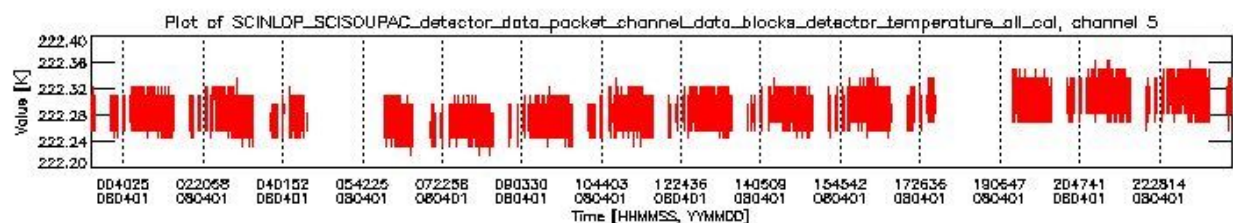
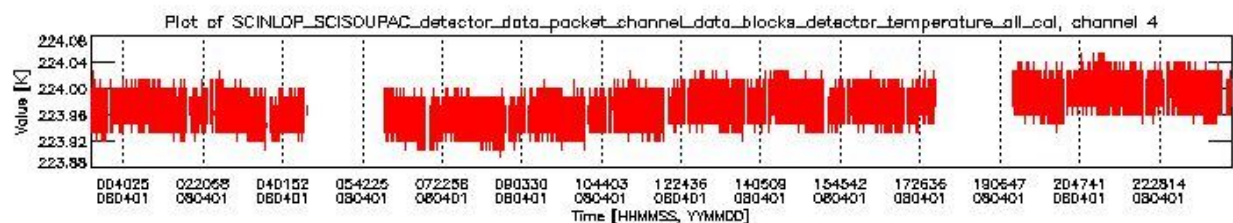
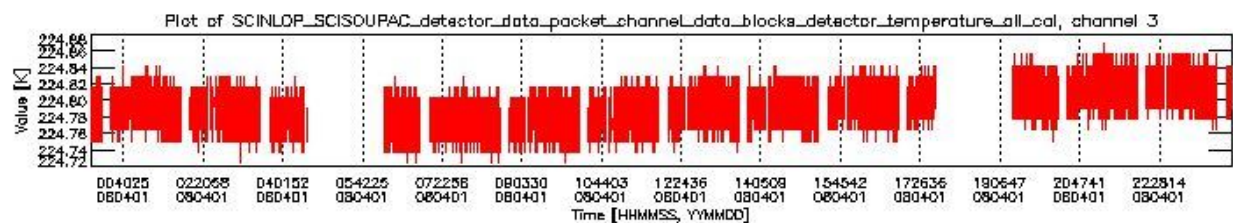
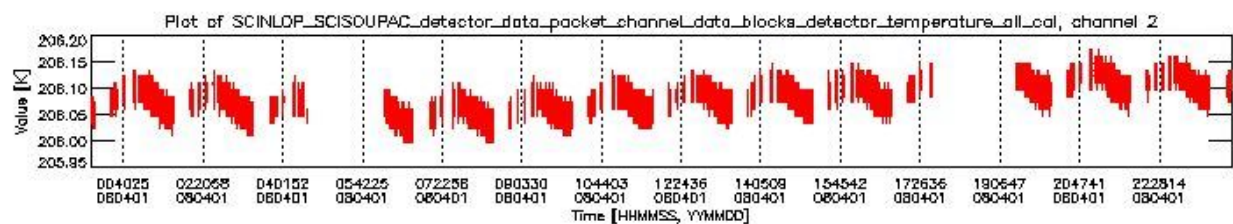
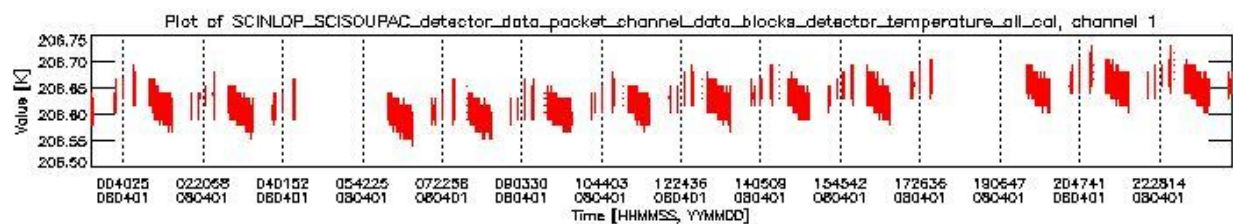
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080401_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080401_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080401_3.PNG

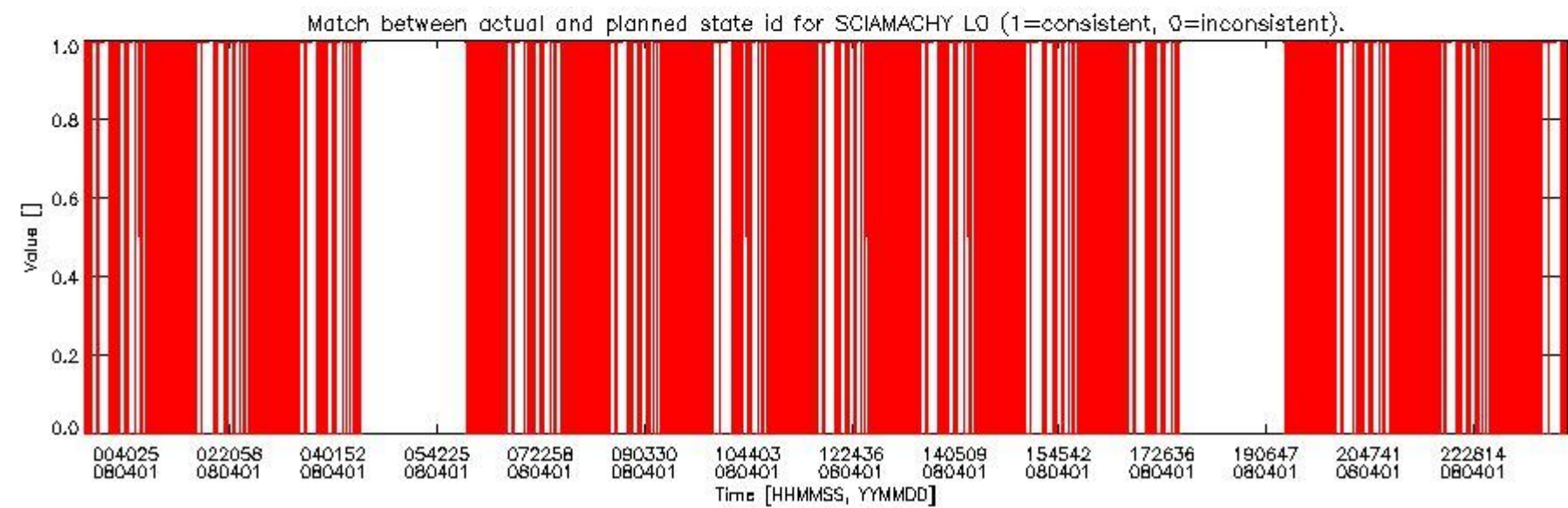
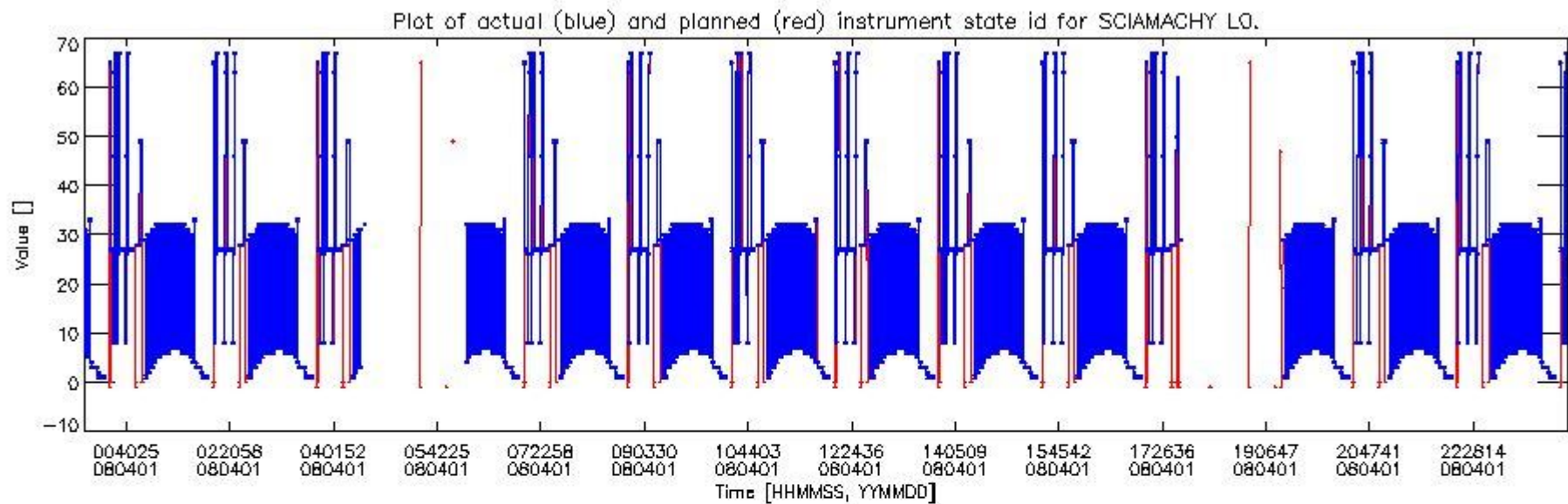


0.3 State monitoring

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: **29771**

#	Actual time	Actual value	Planned time	Planned value
0	01APR2008 00:00:31.150424	31	01APR2008 00:00:31.150424	6
1	01APR2008 00:00:31.775446	31	01APR2008 00:00:31.775446	6
2	01APR2008 00:00:32.150419	31	01APR2008 00:00:32.150419	6
3	01APR2008 00:00:32.525432	31	01APR2008 00:00:32.525432	6
4	01APR2008 00:00:33.087932	31	01APR2008 00:00:33.087932	6
5	01APR2008 00:00:33.462945	31	01APR2008 00:00:33.462945	6
6	01APR2008 00:00:33.837917	31	01APR2008 00:00:33.837917	6
7	01APR2008 00:00:34.212931	31	01APR2008 00:00:34.212931	6
8	01APR2008 00:00:34.775430	31	01APR2008 00:00:34.775430	6
9	01APR2008 00:00:35.150443	31	01APR2008 00:00:35.150443	6
10	01APR2008 00:00:35.525416	31	01APR2008 00:00:35.525416	6
11	01APR2008 00:00:35.900429	31	01APR2008 00:00:35.900429	6
12	01APR2008 00:00:36.150438	31	01APR2008 00:00:36.150438	6
13	01APR2008 00:00:36.462928	31	01APR2008 00:00:36.462928	6
14	01APR2008 00:00:36.837941	31	01APR2008 00:00:36.837941	6
15	01APR2008 00:00:37.212914	31	01APR2008 00:00:37.212914	6
16	01APR2008 00:00:37.587927	31	01APR2008 00:00:37.587927	6
17	01APR2008 00:00:38.150427	31	01APR2008 00:00:38.150427	6
18	01APR2008 00:00:38.525440	31	01APR2008 00:00:38.525440	6
19	01APR2008 00:01:27.017633	6	01APR2008 00:01:27.017633	31

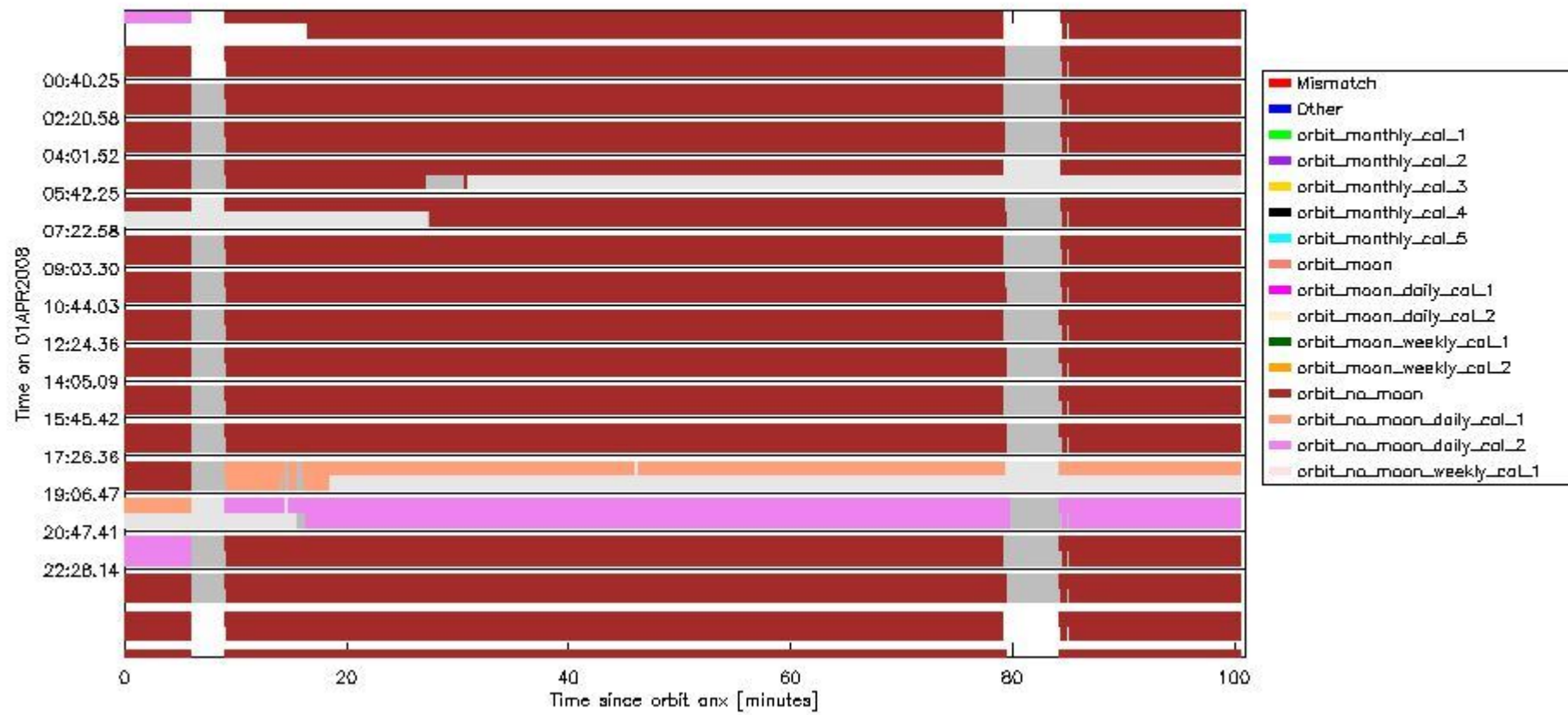


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080401_5.PNG

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 01APR2008.
 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_20080401_6.PNG

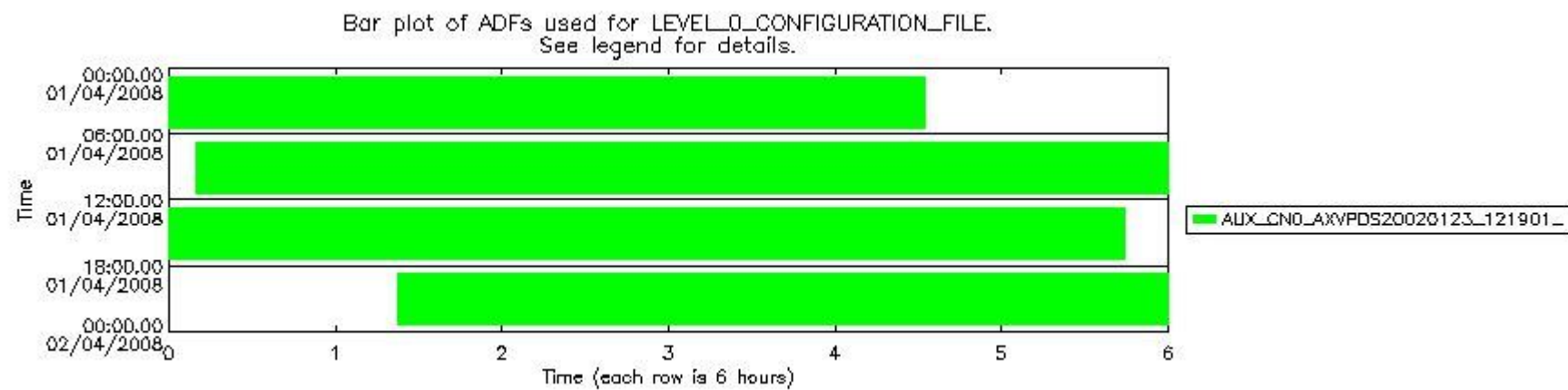
0.4 ADF monitoring

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

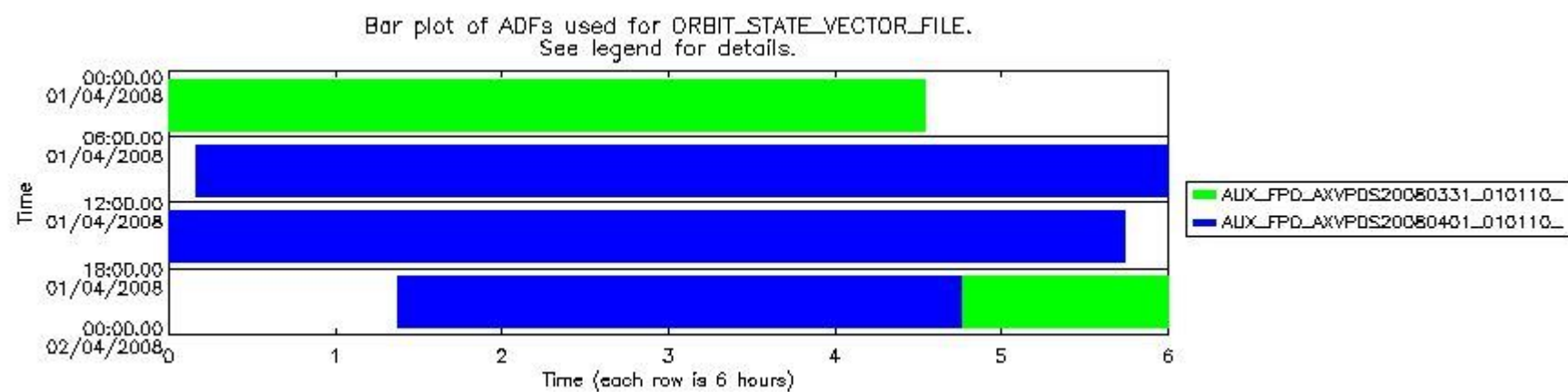
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

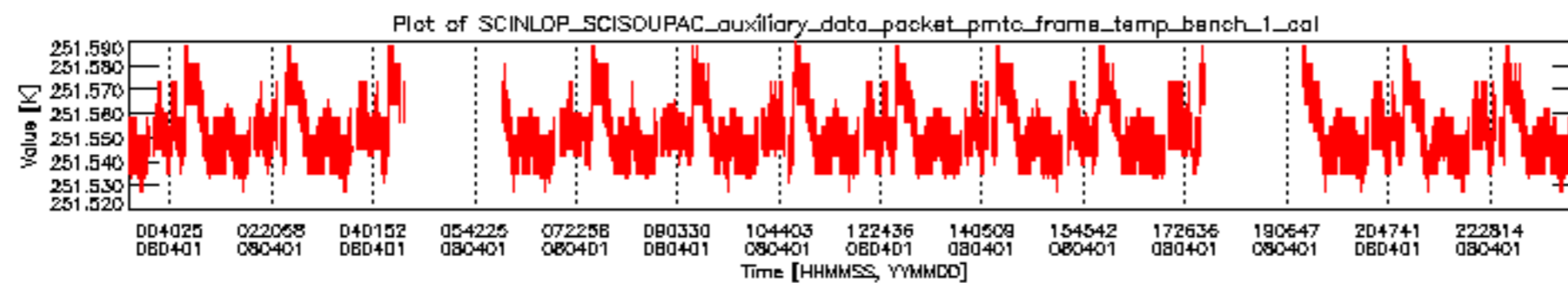
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080331_010110_20080330_182941_20080409_213630
2	AUX_FPO_AXVPDS20080401_010110_20080331_193840_20080410_210453

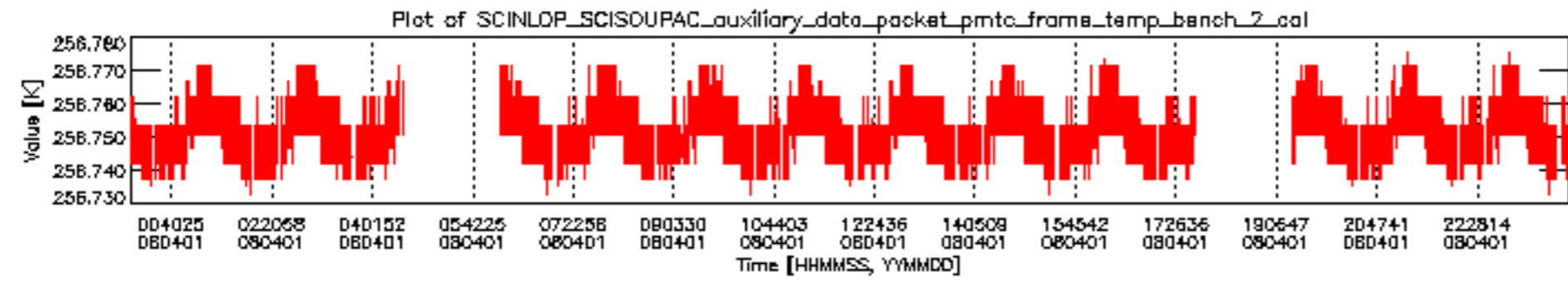


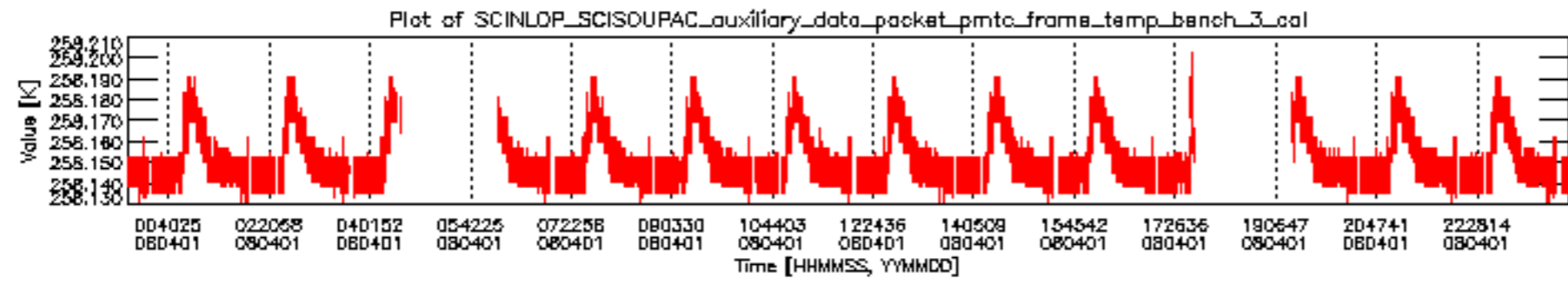
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080401_7.PNG

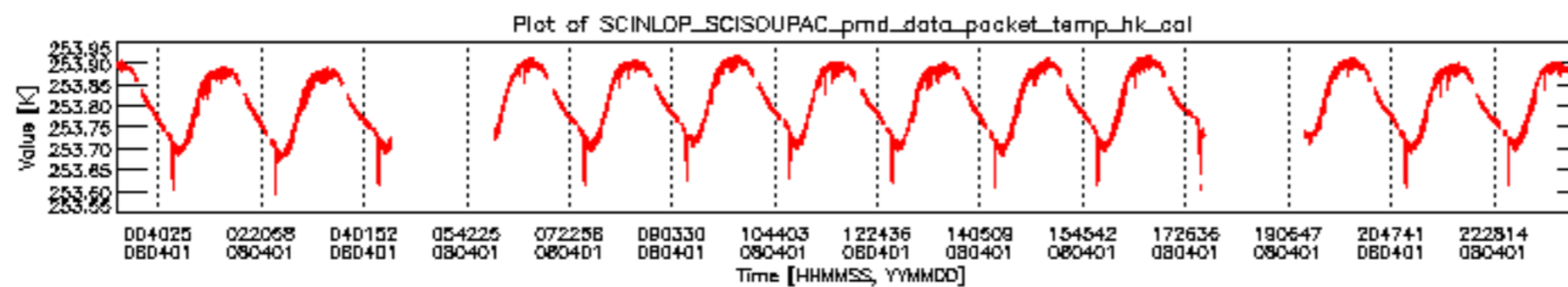


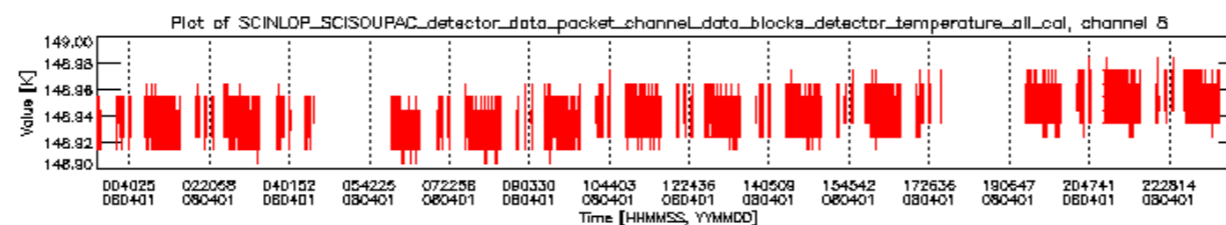
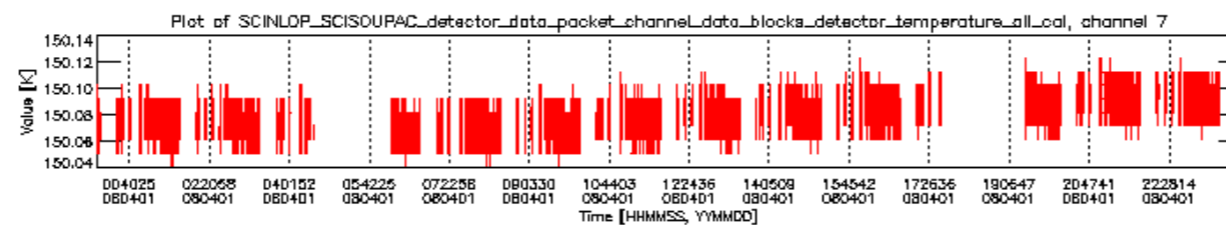
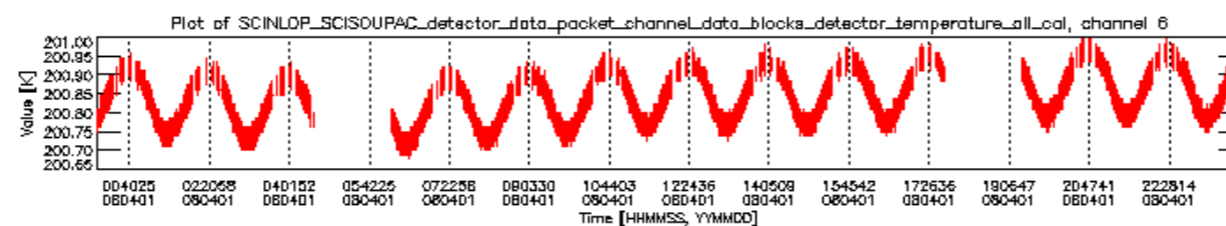
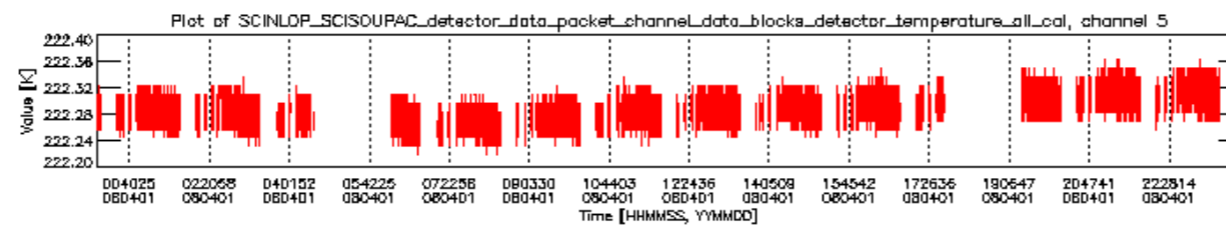
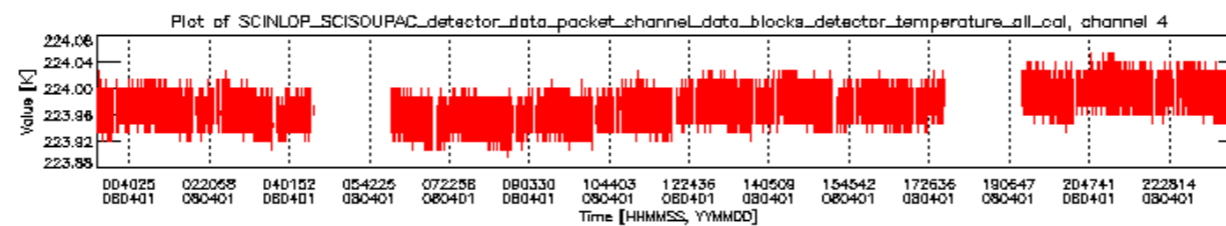
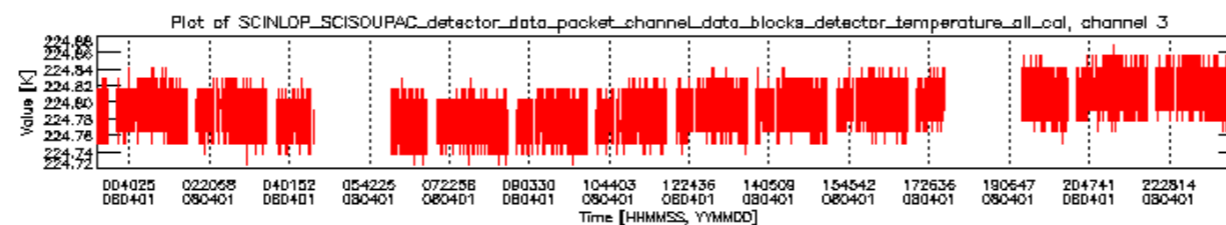
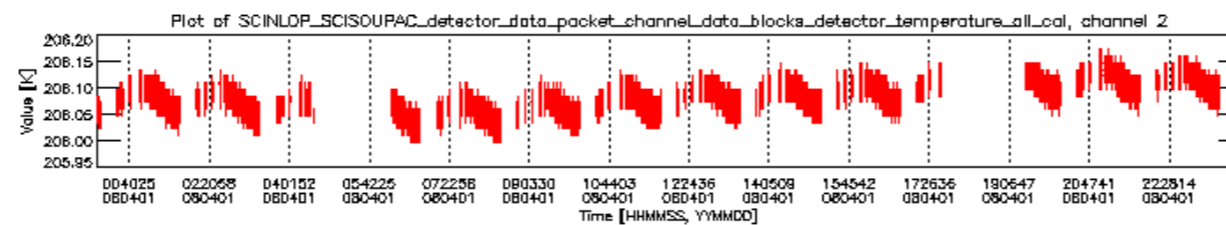
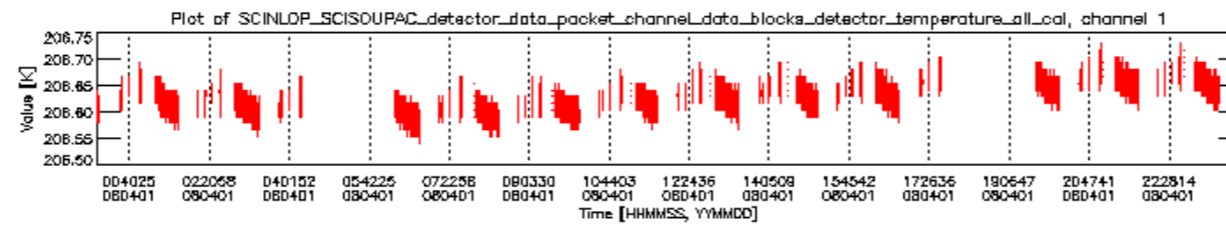
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080401_8.PNG

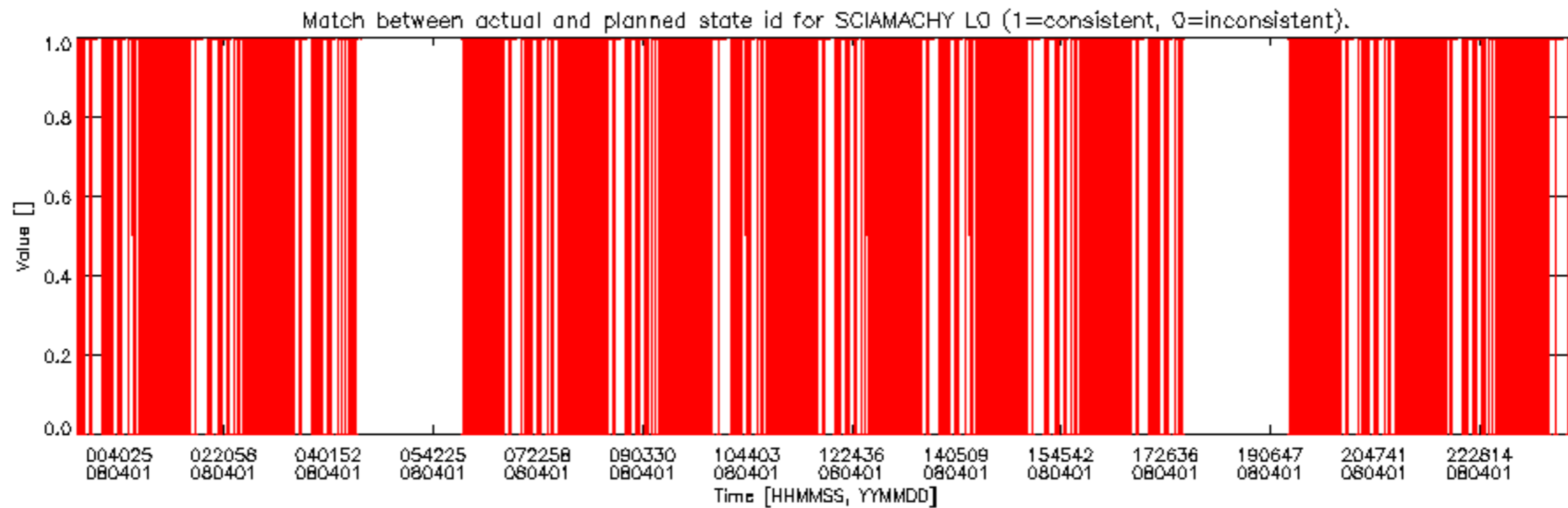
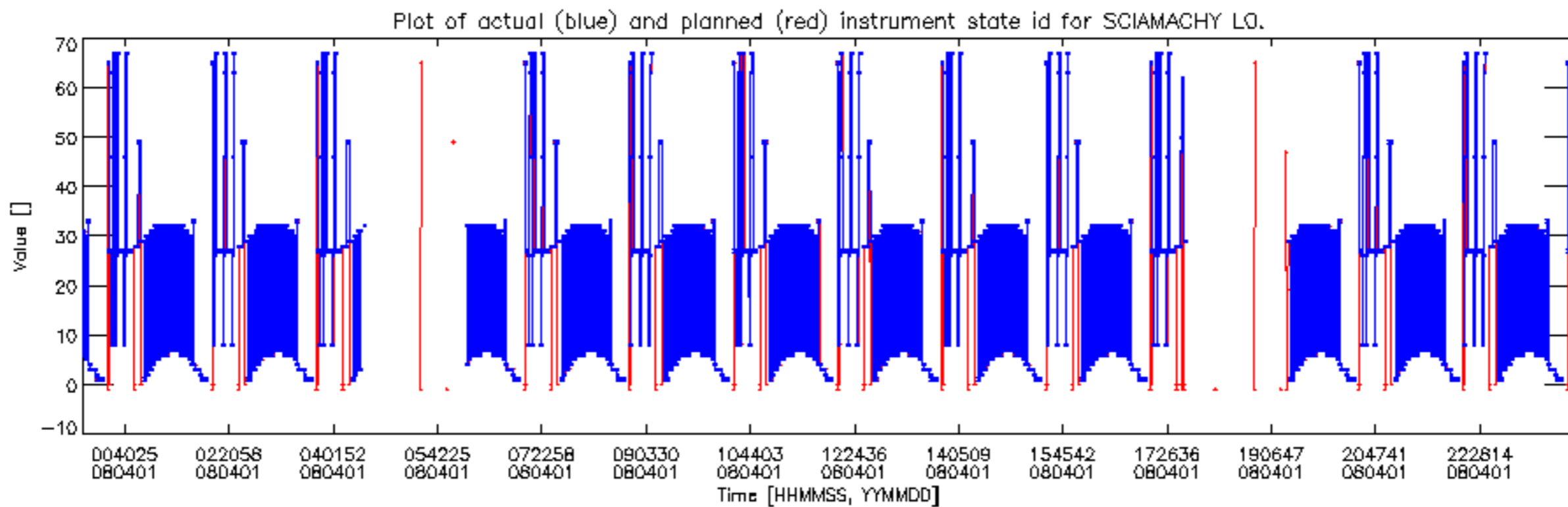




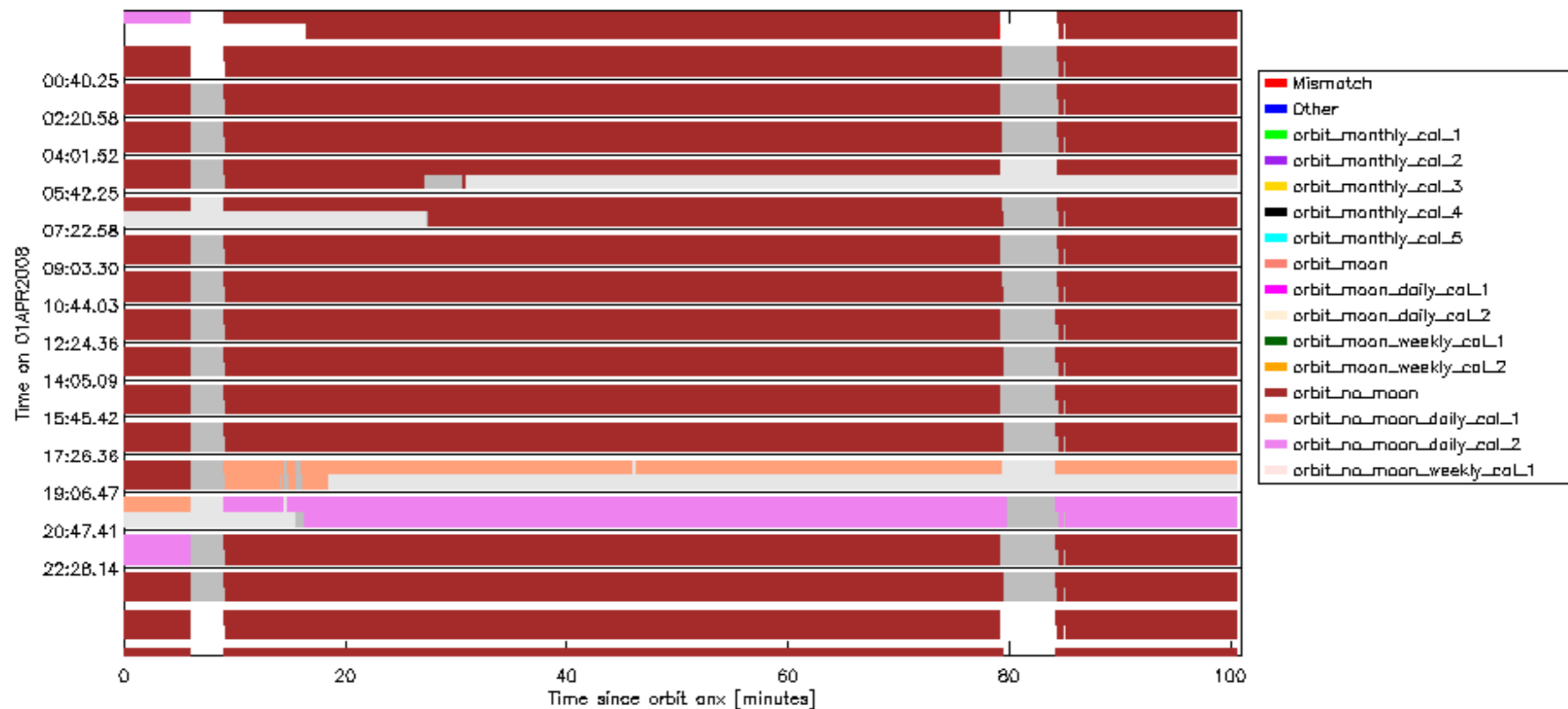


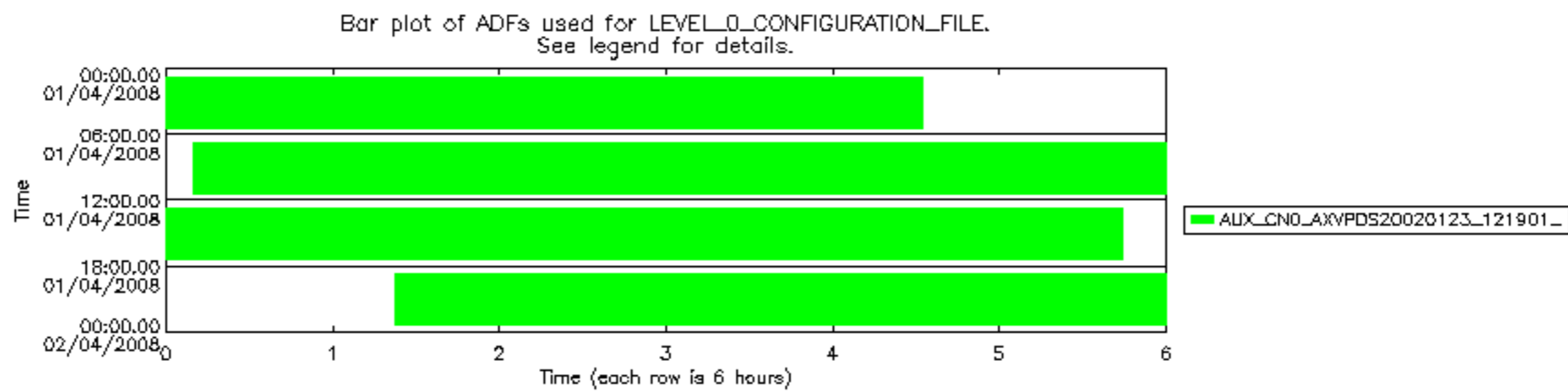






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

