

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	21APR2008 05:30:42
Data source version	KSPT_L0/4303-N
Processing scope for products	17APR2008 00:00:00 to 18APR2008 00:00:00
Start time of first product within scope	17APR2008 00:24:25
Stop time of last product within scope	18APR2008 01:33:21
Total number of level 0 products	16
Number of level 0 products with errors	2

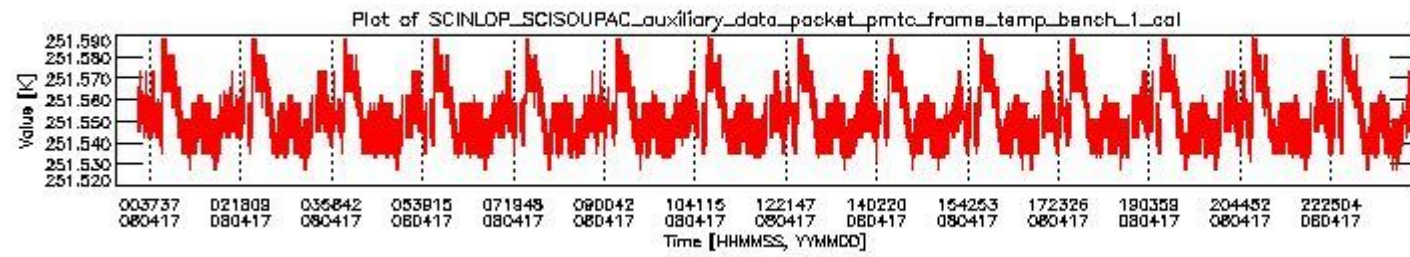
0.1.2 Summary per product

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

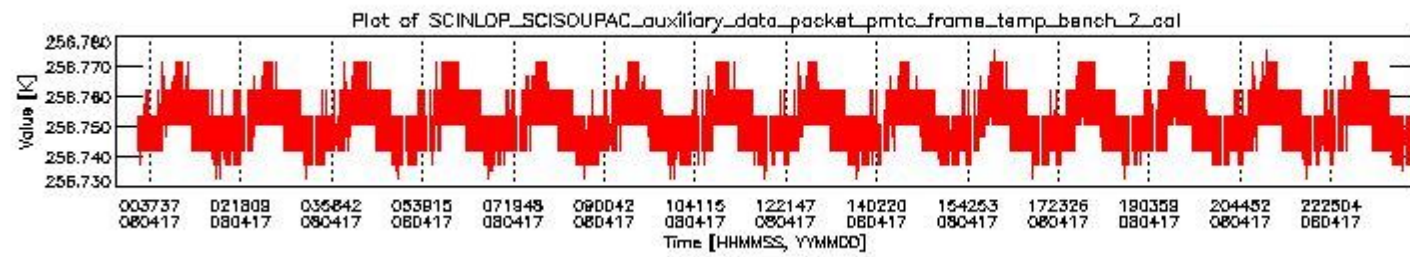
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080417_002425_000058722067_00431_32048_6337.N1	17APR2008 00:24:25	17APR2008 02:02:16	0	0	0	0	0
1	SCI_NL__OPNPDE20080417_020132_000049052067_00432_32049_6338.N1	17APR2008 02:01:32	17APR2008 03:23:17	0	0	0	0	0
2	SCI_NL__OPNPDE20080417_032317_000057872067_00433_32050_6339.N1	17APR2008 03:23:17	17APR2008 04:59:44	0	0	0	0	0
3	SCI_NL__OPNPDE20080417_045944_000060362067_00434_32051_6340.N1	17APR2008 04:59:44	17APR2008 06:40:19	0	0	0	0	0
4	SCI_NL__OPNPDK20080417_064019_000040452067_00435_32052_7971.N1	17APR2008 06:40:19	17APR2008 07:47:44	0	0	0	0	0
5	SCI_NL__OPNPDK20080417_074744_000061602067_00436_32053_7972.N1	17APR2008 07:47:44	17APR2008 09:30:24	1	0	1	0	0
6	SCI_NL__OPNPDK20080417_092928_000059672067_00437_32054_7973.N1	17APR2008 09:29:28	17APR2008 11:08:55	1	1	0	0	0
7	SCI_NL__OPNPDK20080417_110855_000060352067_00438_32055_7974.N1	17APR2008 11:08:55	17APR2008 12:49:30	0	0	0	0	0
8	SCI_NL__OPNPDK20080417_124834_000058432067_00439_32056_7975.N1	17APR2008 12:48:34	17APR2008 14:25:57	0	0	0	0	0
9	SCI_NL__OPNPDK20080417_142557_000058552067_00440_32057_7976.N1	17APR2008 14:25:57	17APR2008 16:03:32	0	0	0	0	0
10	SCI_NL__OPNPDK20080417_160224_000059602067_00441_32058_7977.N1	17APR2008 16:02:24	17APR2008 17:41:44	0	0	0	0	0
11	SCI_NL__OPNPDK20080417_174048_000059502067_00442_32059_7978.N1	17APR2008 17:40:48	17APR2008 19:19:57	0	0	0	0	0
12	SCI_NL__OPNPDK20080417_191902_000061292067_00443_32060_7979.N1	17APR2008 19:19:02	17APR2008 21:01:10	0	0	0	0	0
13	SCI_NL__OPNPDE20080417_205919_000043712067_00444_32061_6341.N1	17APR2008 20:59:19	17APR2008 22:12:10	0	0	0	0	0
14	SCI_NL__OPNPDE20080417_221136_000062412067_00444_32061_6342.N1	17APR2008 22:11:36	17APR2008 23:55:37	0	0	0	0	0
15	SCI_NL__OPNPDE20080417_235453_000059082067_00445_32062_6343.N1	17APR2008 23:54:53	18APR2008 01:33:21	0	0	0	0	0

0.2 Product Quality Indicators

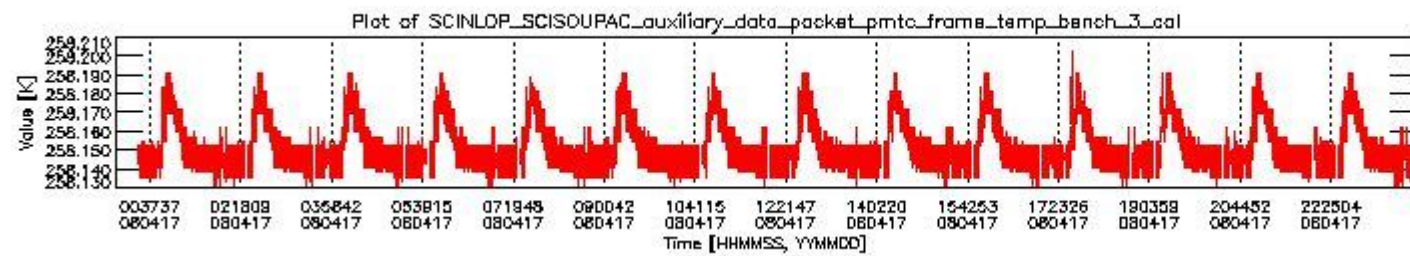
This section shows information about product quality, currently temperatures.



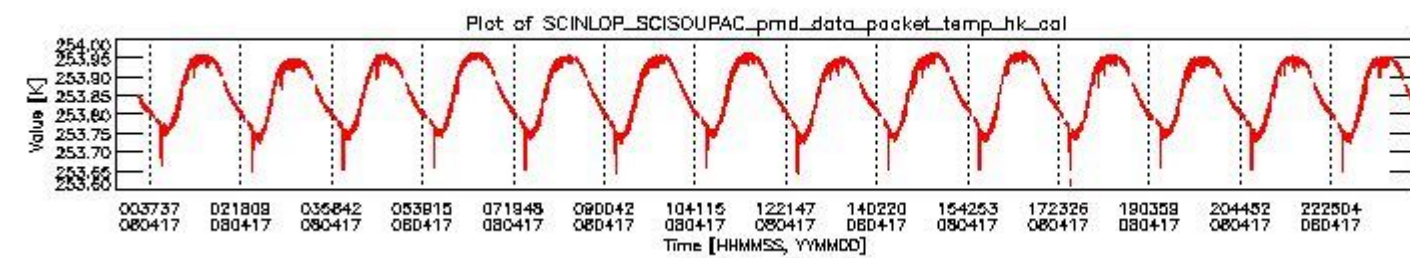
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080417_0.PNG



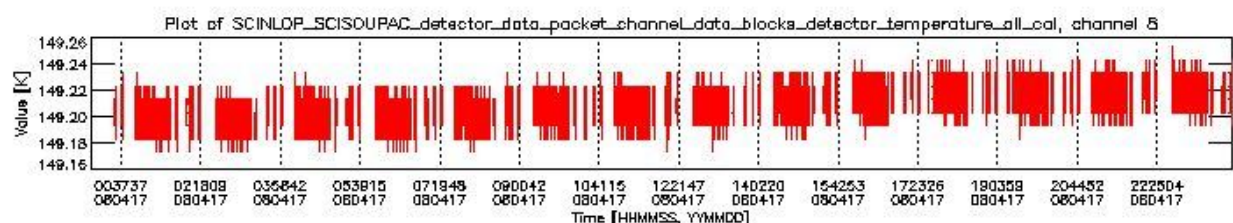
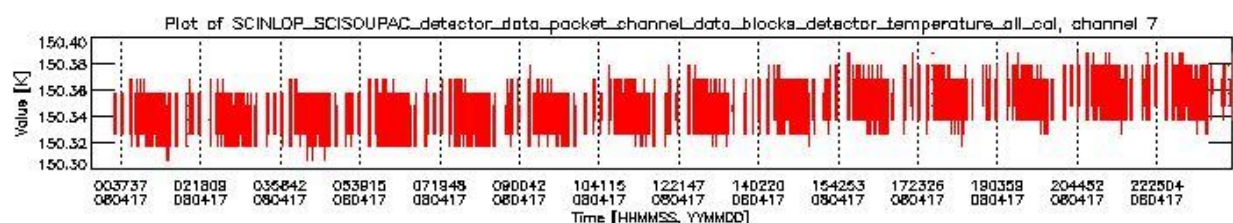
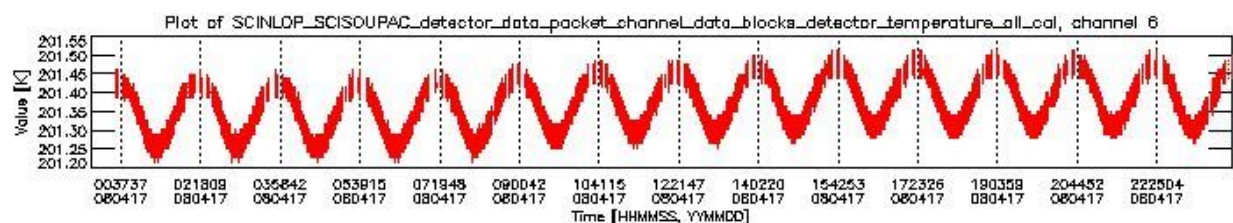
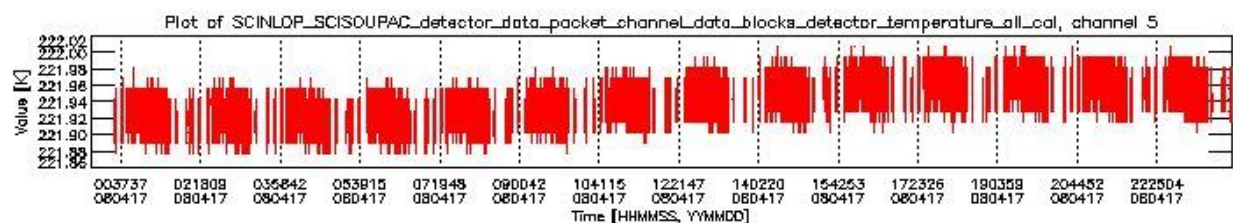
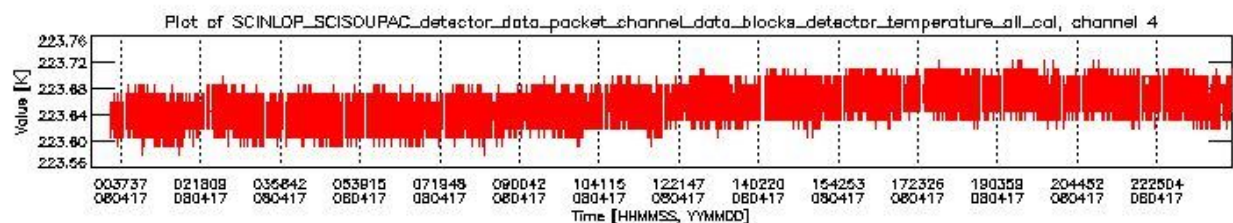
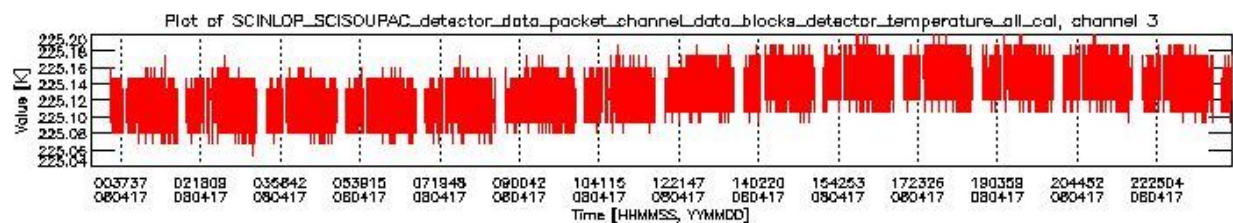
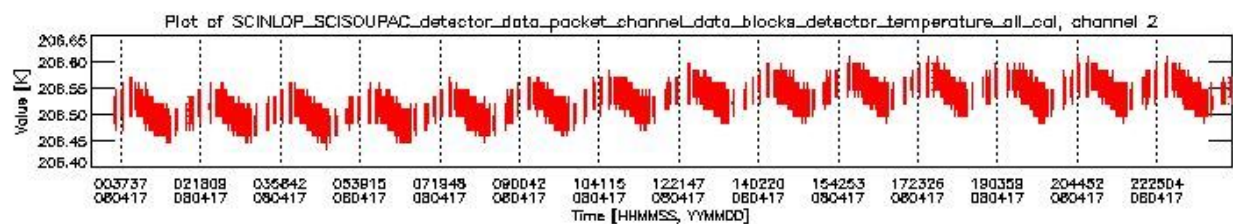
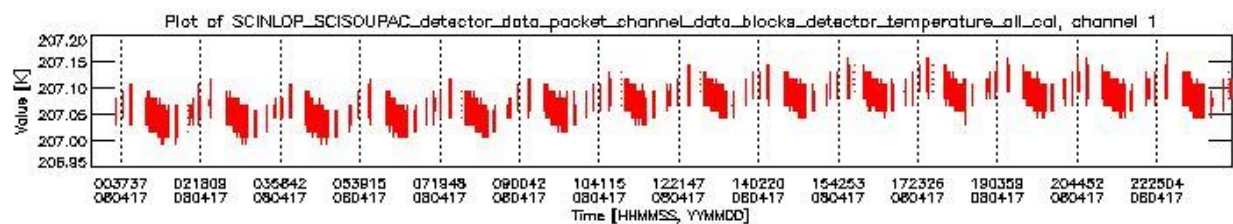
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080417_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080417_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080417_3.PNG

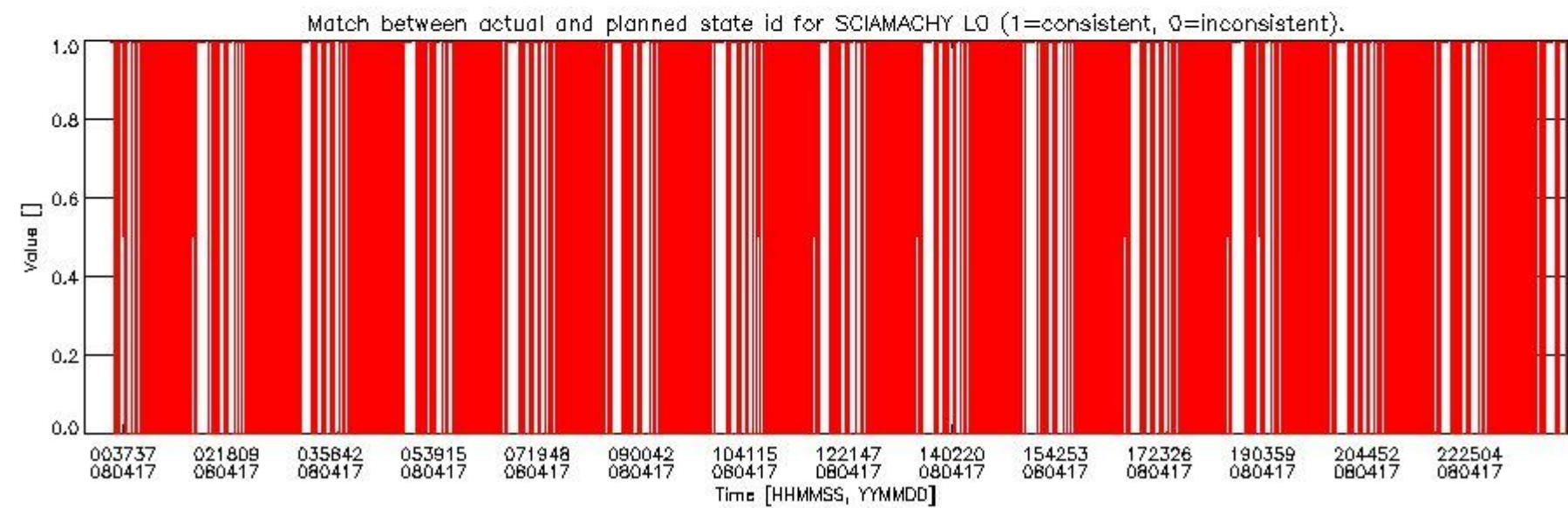
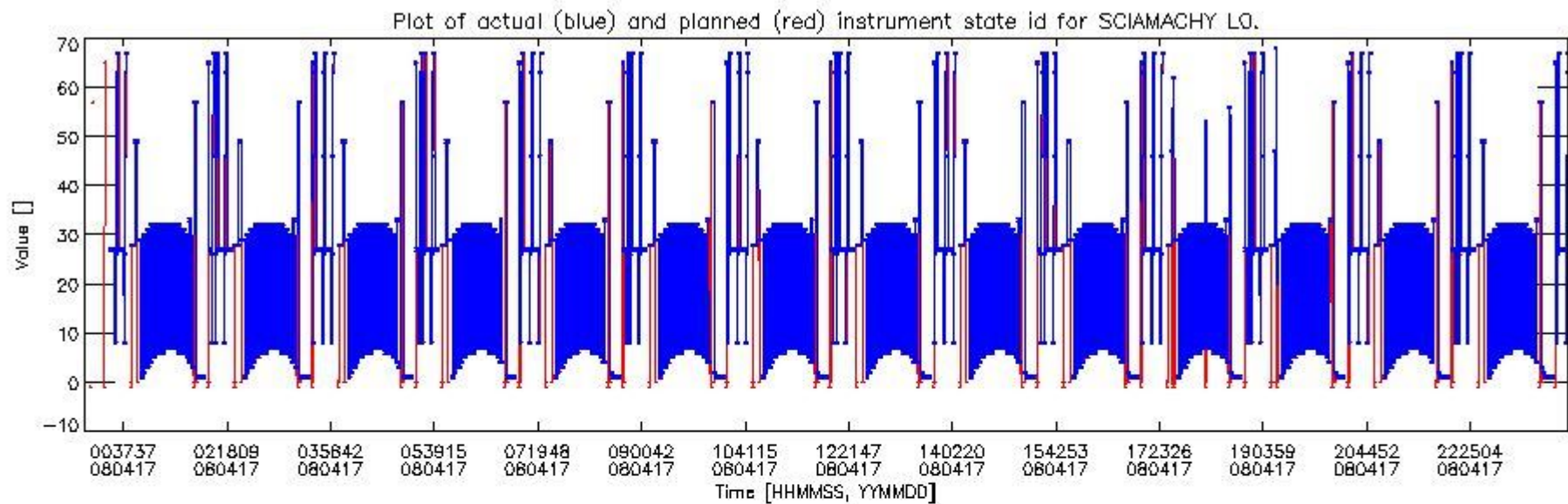


0.3 State monitoring

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: **40228**

#	Actual time	Actual value	Planned time	Planned value
0	17APR2008 00:29:33.431540	8	17APR2008 00:29:33.431540	27
1	17APR2008 00:29:34.556538	8	17APR2008 00:29:34.556538	27
2	17APR2008 00:29:35.556573	8	17APR2008 00:29:35.556573	27
3	17APR2008 00:29:36.556568	8	17APR2008 00:29:36.556568	27
4	17APR2008 00:29:37.556562	8	17APR2008 00:29:37.556562	27
5	17APR2008 00:29:38.431553	8	17APR2008 00:29:38.431553	27
6	17APR2008 00:29:38.556557	8	17APR2008 00:29:38.556557	27
7	17APR2008 00:29:39.556552	8	17APR2008 00:29:39.556552	27
8	17APR2008 00:29:40.556546	8	17APR2008 00:29:40.556546	27
9	17APR2008 00:29:41.556541	8	17APR2008 00:29:41.556541	27
10	17APR2008 00:29:42.556535	8	17APR2008 00:29:42.556535	27
11	17APR2008 00:30:16.990145	26	17APR2008 00:30:16.990145	8
12	17APR2008 00:30:17.615166	26	17APR2008 00:30:17.615166	8
13	17APR2008 00:30:18.115143	26	17APR2008 00:30:18.115143	8
14	17APR2008 00:30:18.615161	26	17APR2008 00:30:18.615161	8
15	17APR2008 00:30:19.115138	26	17APR2008 00:30:19.115138	8
16	17APR2008 00:30:19.615155	26	17APR2008 00:30:19.615155	8
17	17APR2008 00:30:20.115133	26	17APR2008 00:30:20.115133	8
18	17APR2008 00:30:20.615150	26	17APR2008 00:30:20.615150	8
19	17APR2008 00:30:21.115167	26	17APR2008 00:30:21.115167	8

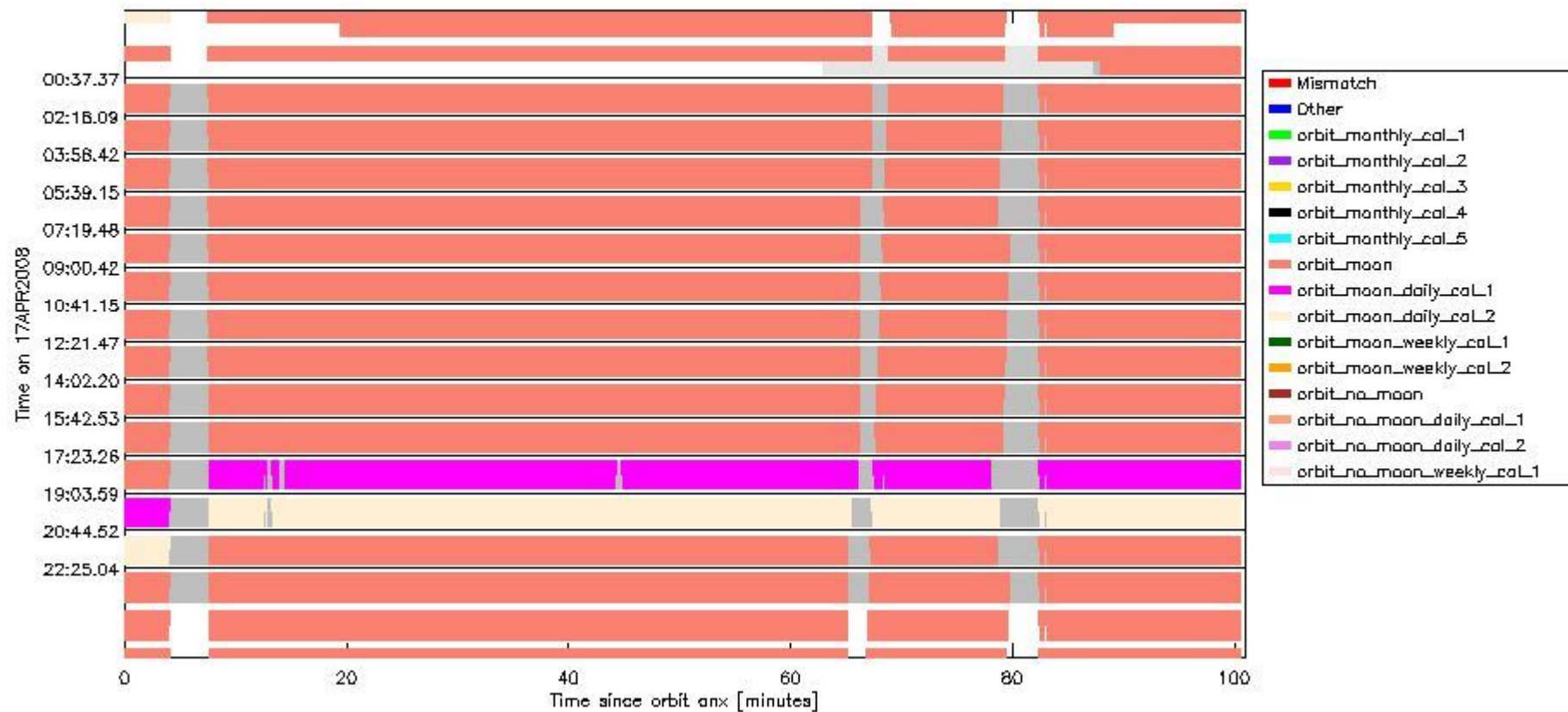


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080417_5.PNG

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 17APR2008.
 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_20080417_6.PNG

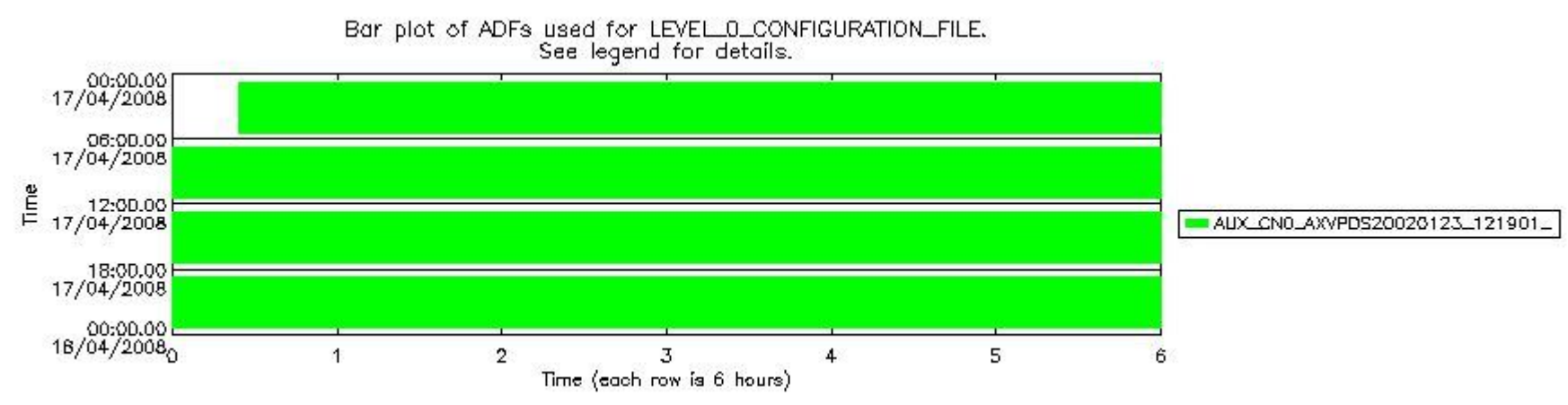
0.4 ADF monitoring

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

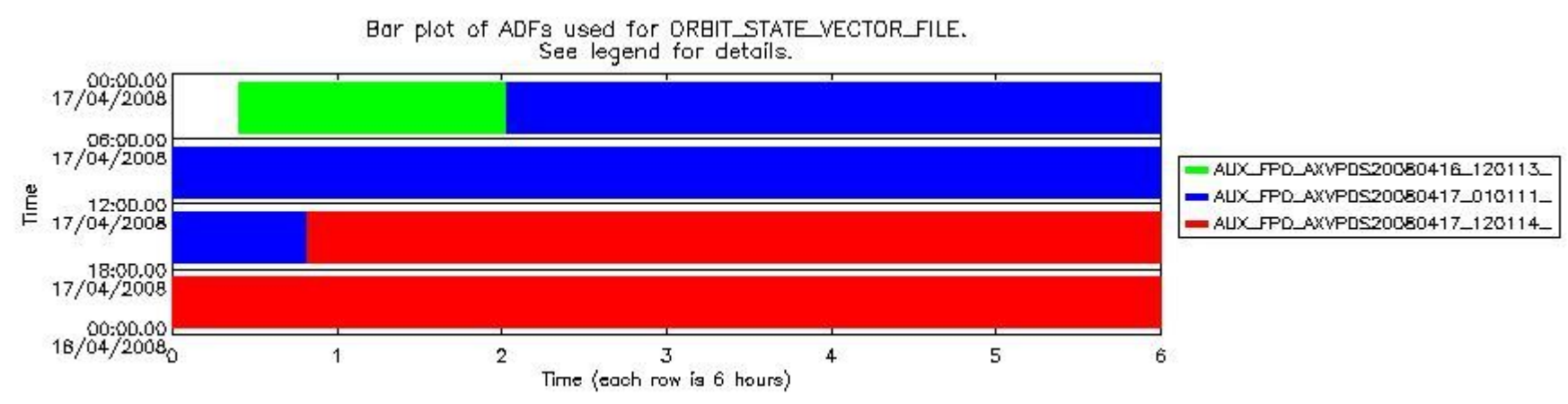
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

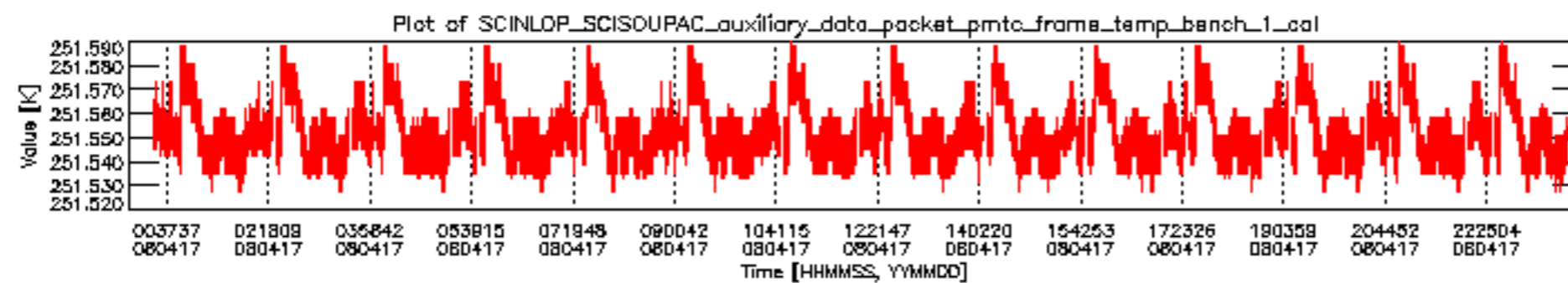
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080416_120113_20080415_182647_20080425_213336
2	AUX_FPO_AXVPDS20080417_010111_20080416_193546_20080426_210159
3	AUX_FPO_AXVPDS20080417_120114_20080417_071957_20080426_224234

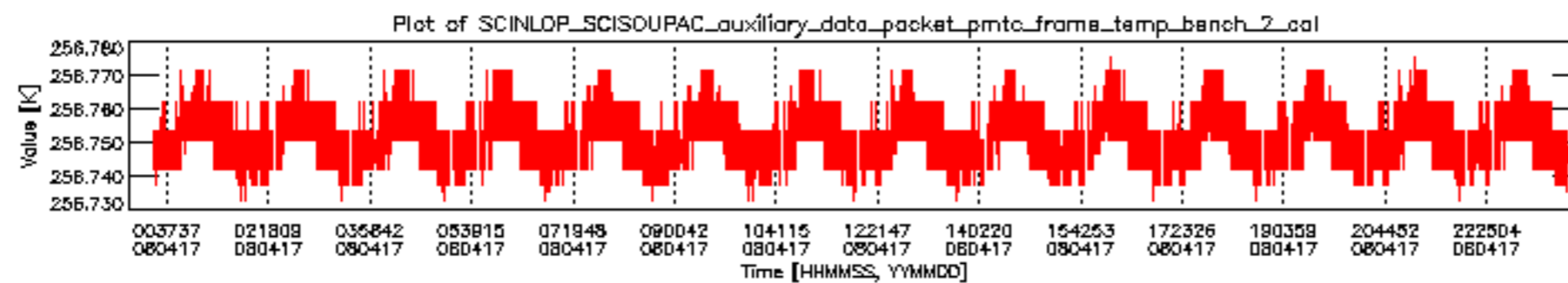


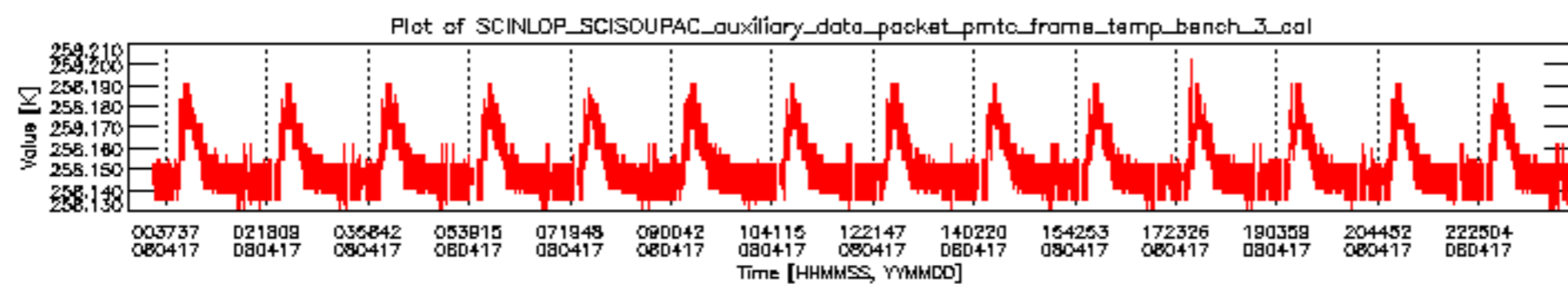
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080417_7.PNG

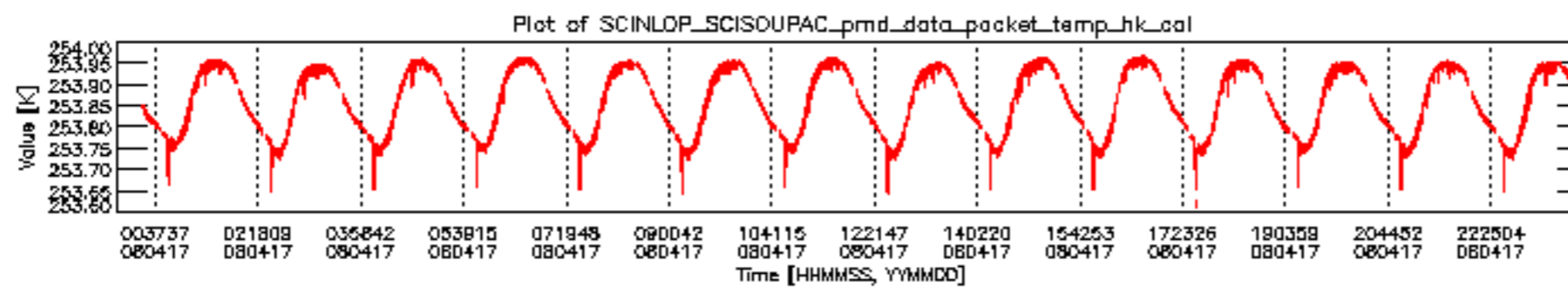


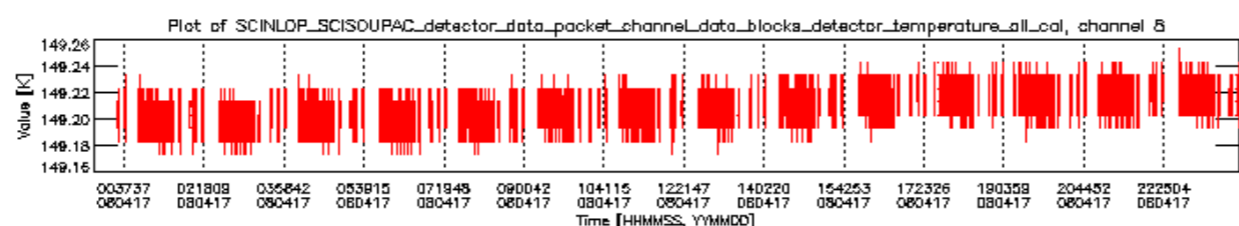
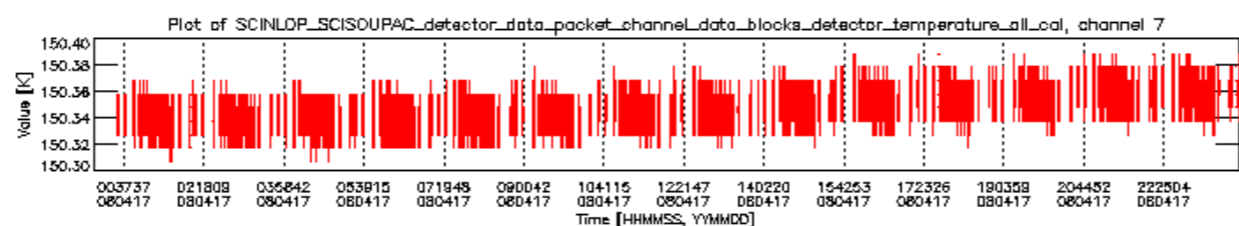
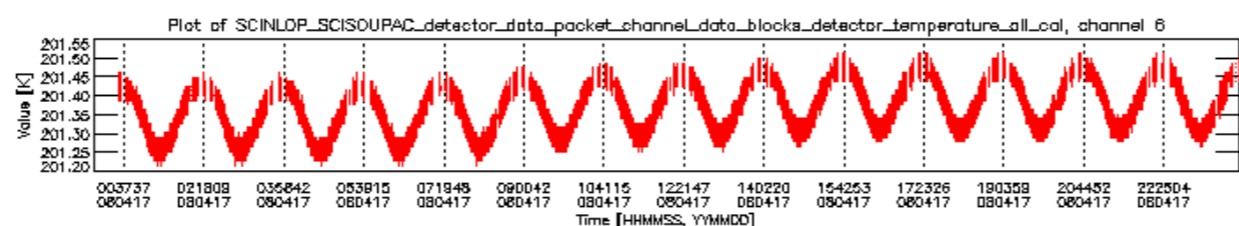
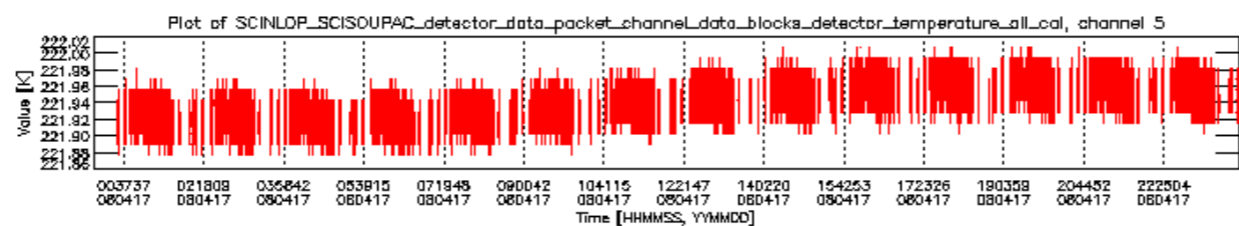
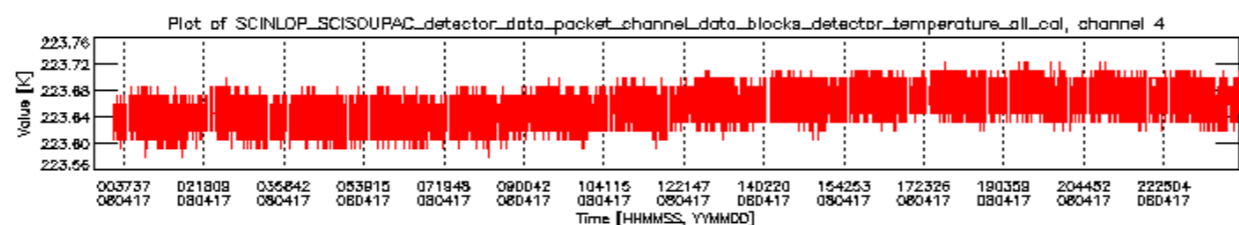
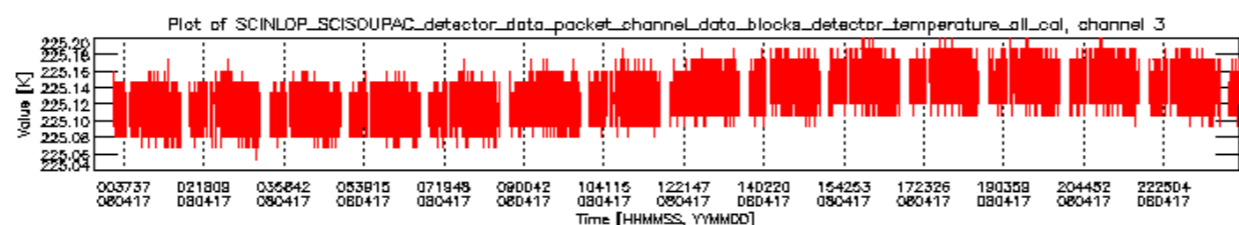
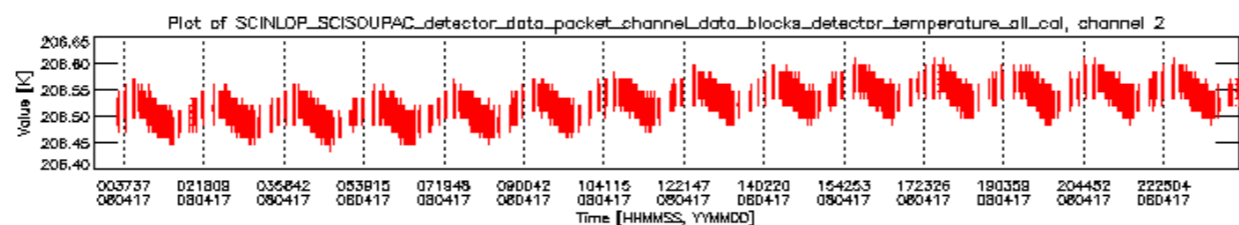
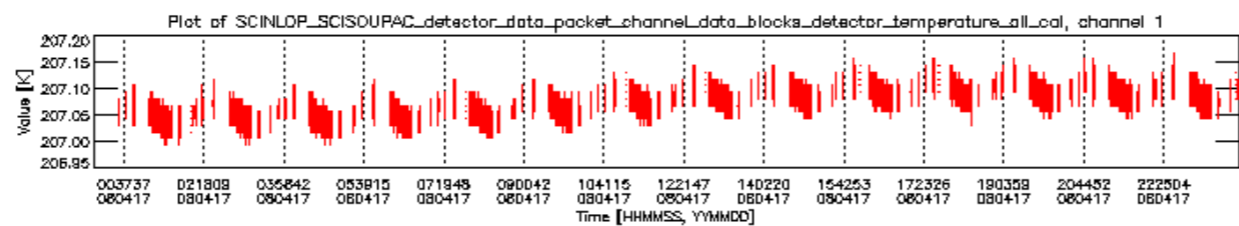
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080417_8.PNG

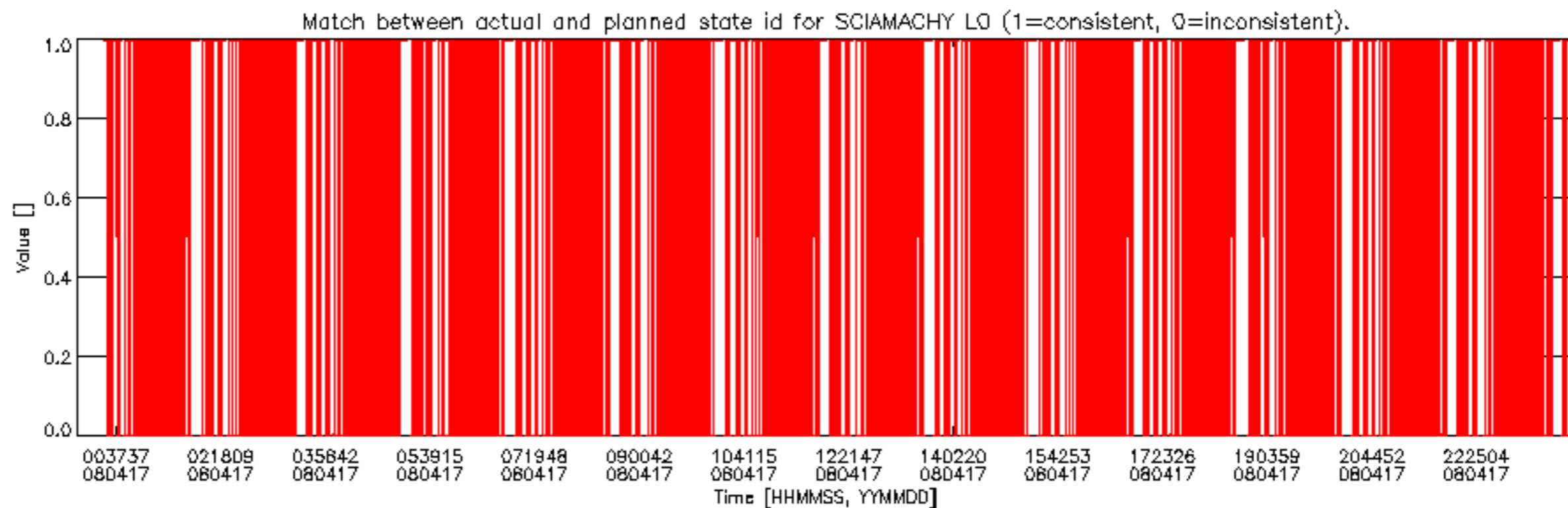
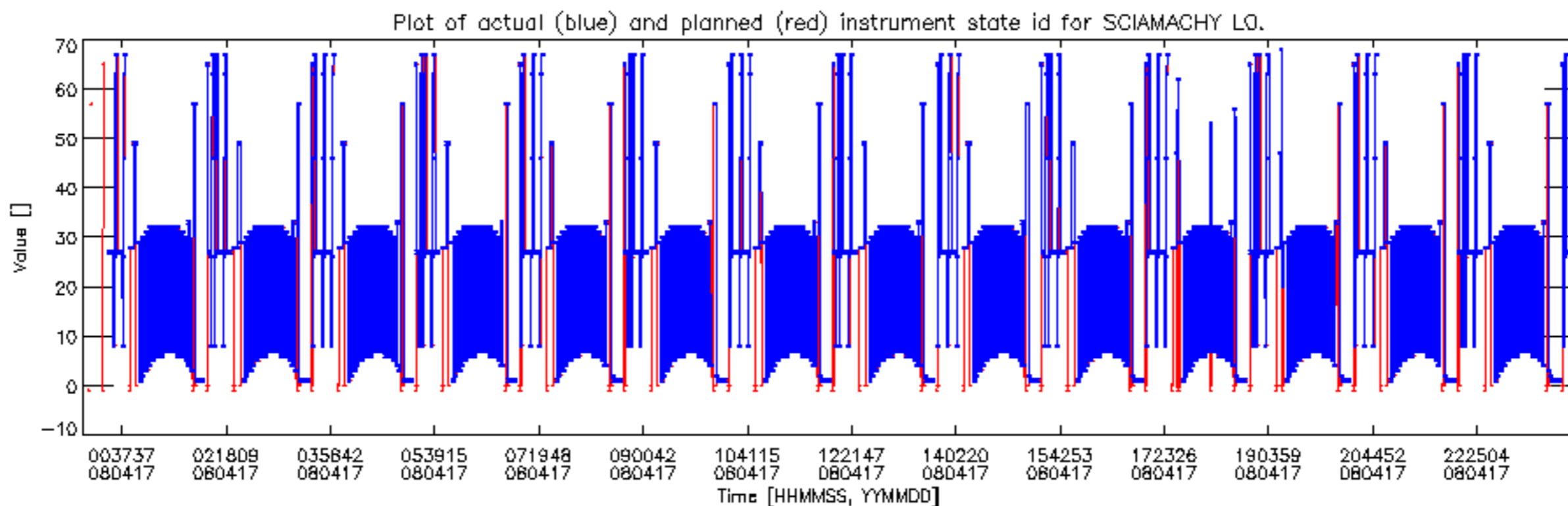




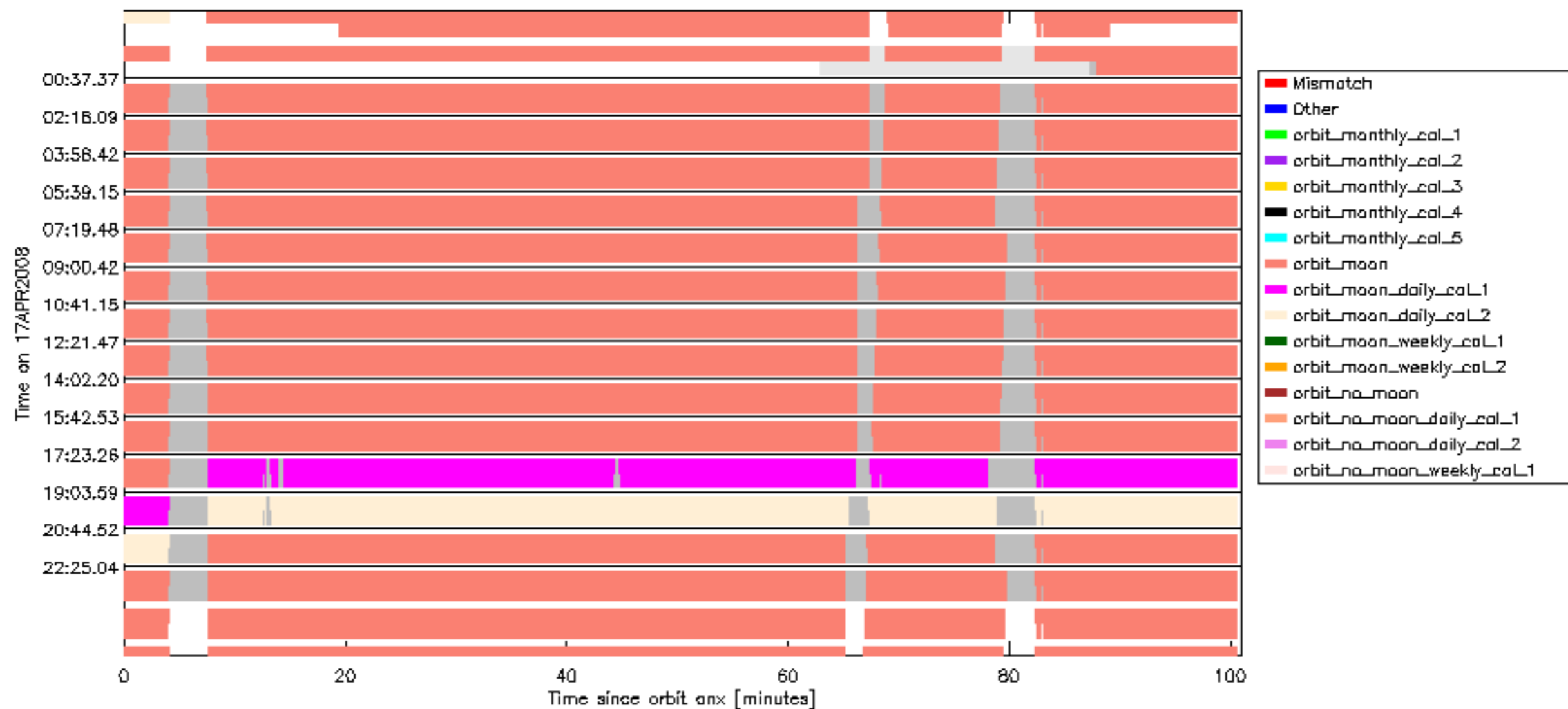


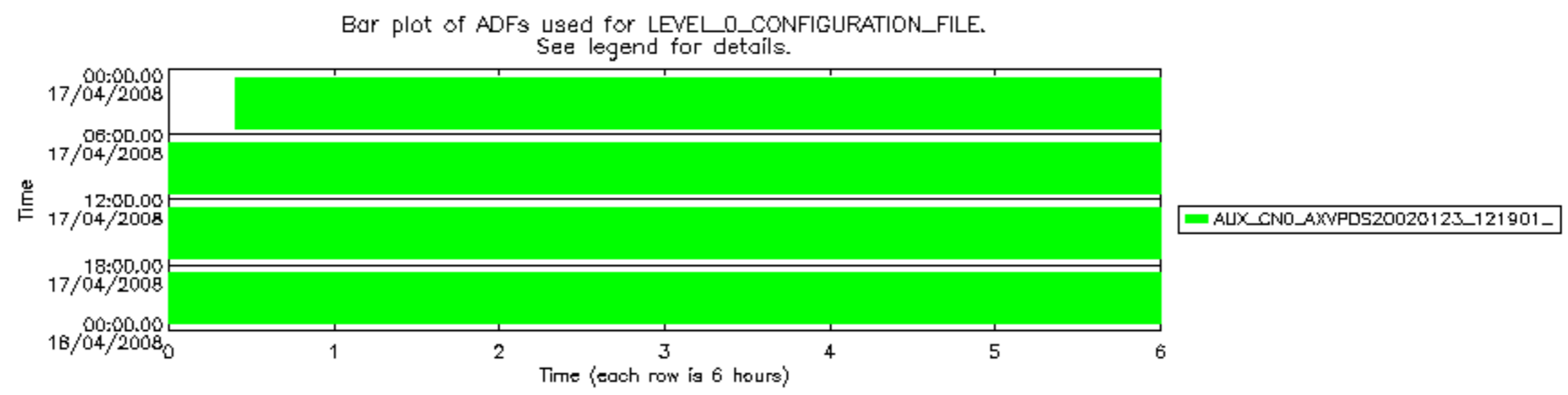






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.





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

