

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	07APR2008 05:35:19
Data source version	KSPT_L0/4303-N
Processing scope for products	03APR2008 00:00:00 to 04APR2008 00:00:00
Start time of first product within scope	02APR2008 23:59:12
Stop time of last product within scope	04APR2008 01:14:18
Total number of level 0 products	9
Number of level 0 products with errors	5

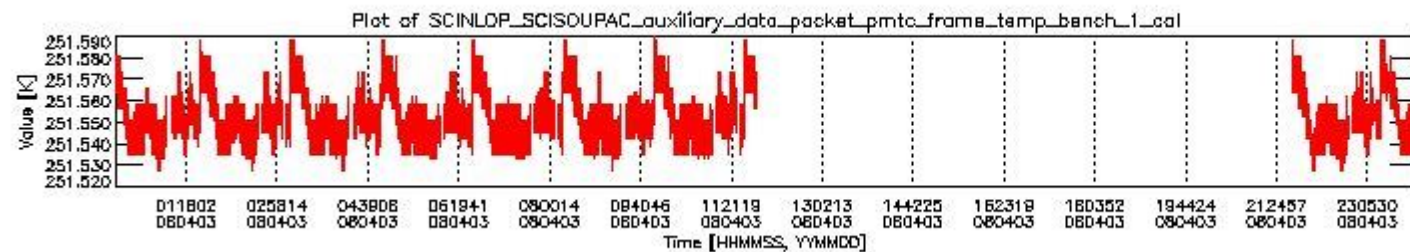
0.1.2 Summary per product

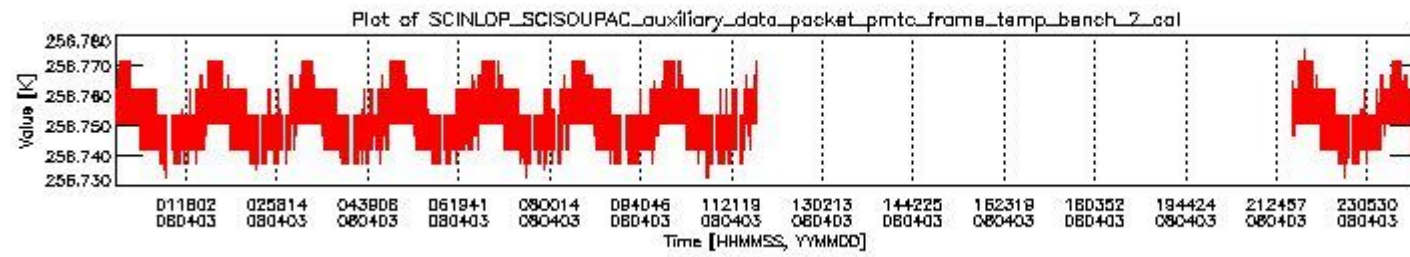
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDE20080402_235912_000064092067_00231_31848_6349.N1	02APR2008 23:59:12	03APR2008 01:46:01	1	0	1	0	0
1	SCI_NL__0PNPDE20080403_014056_000063962067_00232_31849_6350.N1	03APR2008 01:40:56	03APR2008 03:27:32	1	0	1	0	0
2	SCI_NL__0PNPDE20080403_032323_000064222067_00233_31850_6351.N1	03APR2008 03:23:23	03APR2008 05:10:25	1	0	1	0	0
3	SCI_NL__0PNPDK20080403_050616_000062722067_00234_31851_7842.N1	03APR2008 05:06:16	03APR2008 06:50:48	0	0	0	0	0
4	SCI_NL__0PNPDK20080403_064952_000059112067_00235_31852_7843.N1	03APR2008 06:49:52	03APR2008 08:28:23	0	0	0	0	0
5	SCI_NL__0PNPDK20080403_082823_000060912067_00236_31853_7844.N1	03APR2008 08:28:23	03APR2008 10:09:54	0	0	0	0	0
6	SCI_NL__0PNPDK20080403_100858_000060352067_00237_31854_7845.N1	03APR2008 10:08:58	03APR2008 11:49:34	0	0	0	0	0
7	SCI_NL__0PNPDE20080403_214053_000067012067_00244_31861_6352.N1	03APR2008 21:40:53	03APR2008 23:32:34	1	0	1	0	0
8	SCI_NL__0PNPDE20080403_232729_000064092067_00245_31862_6353.N1	03APR2008 23:27:29	04APR2008 01:14:18	1	0	1	0	0

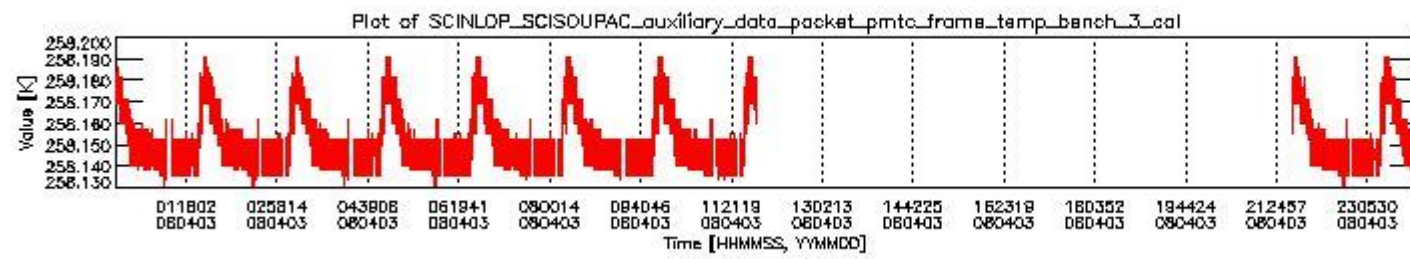
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

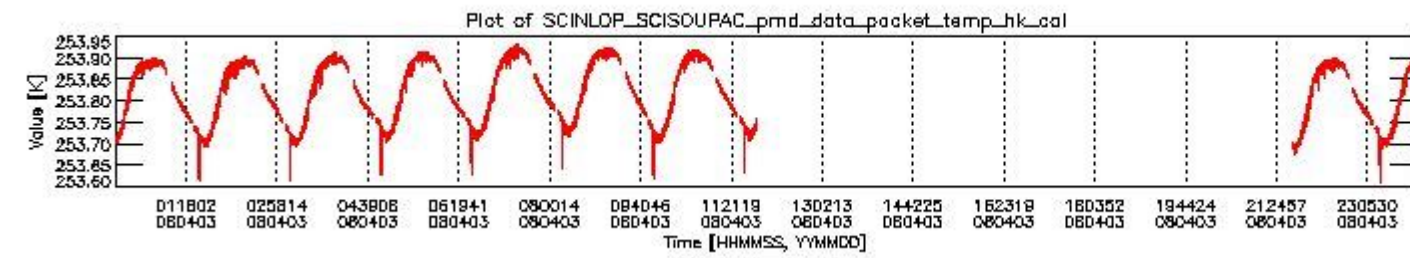




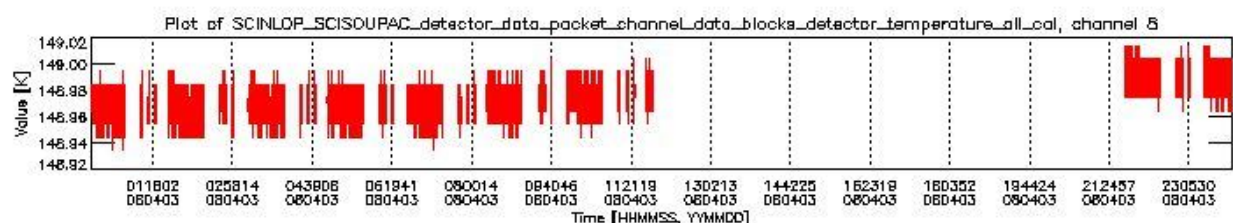
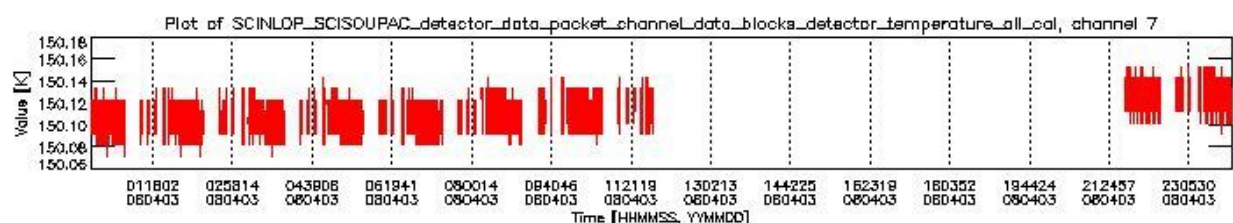
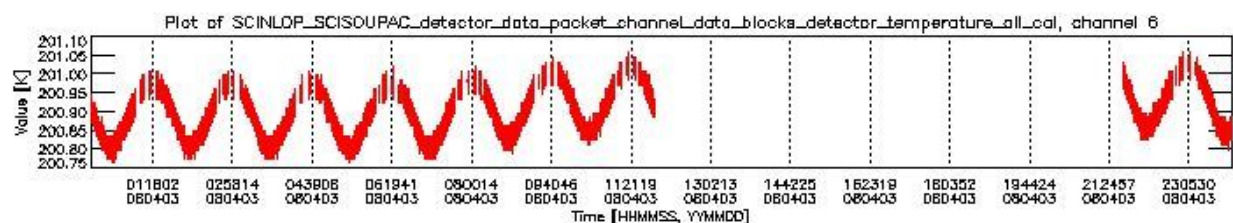
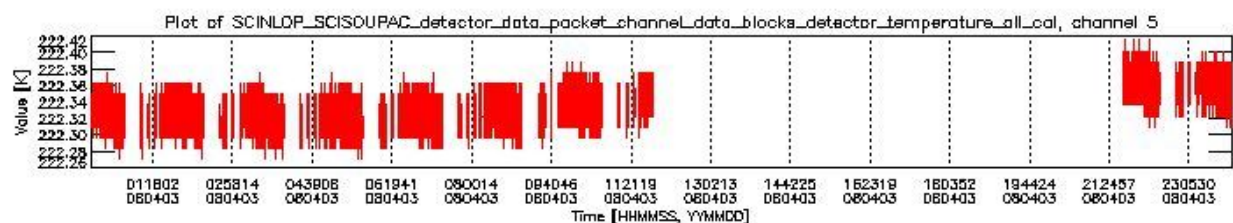
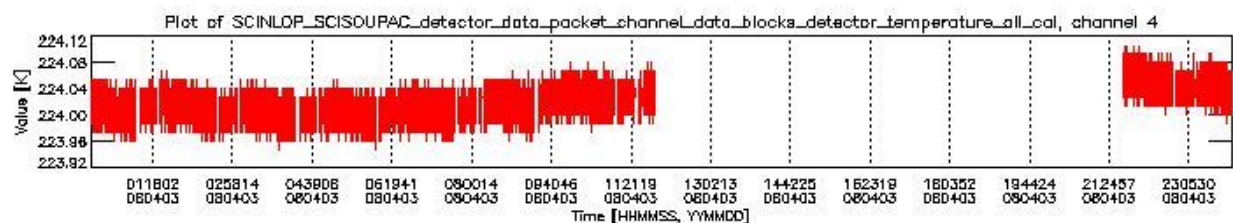
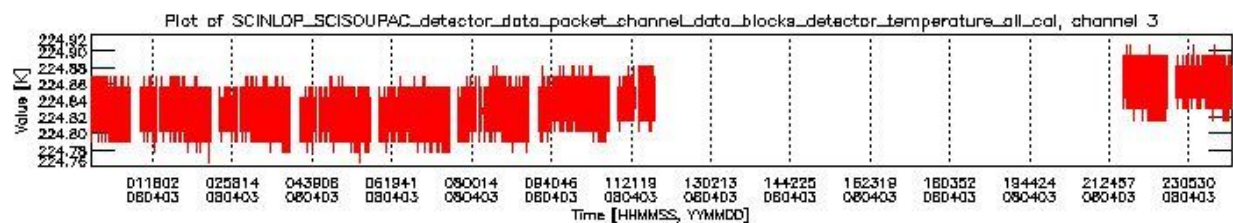
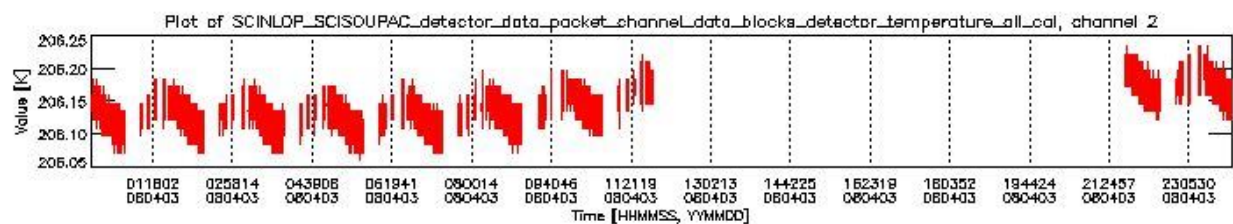
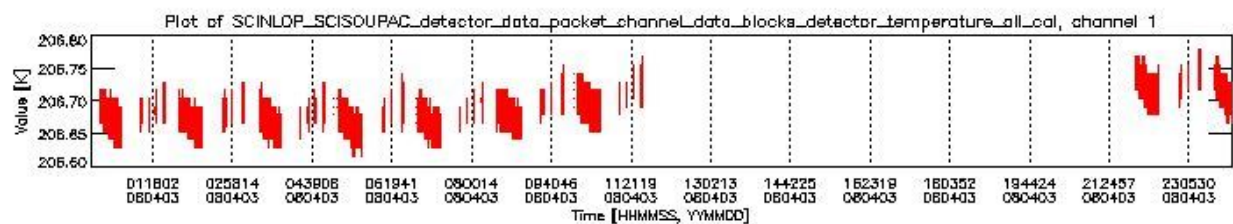
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080403_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080403_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080403_3.PNG

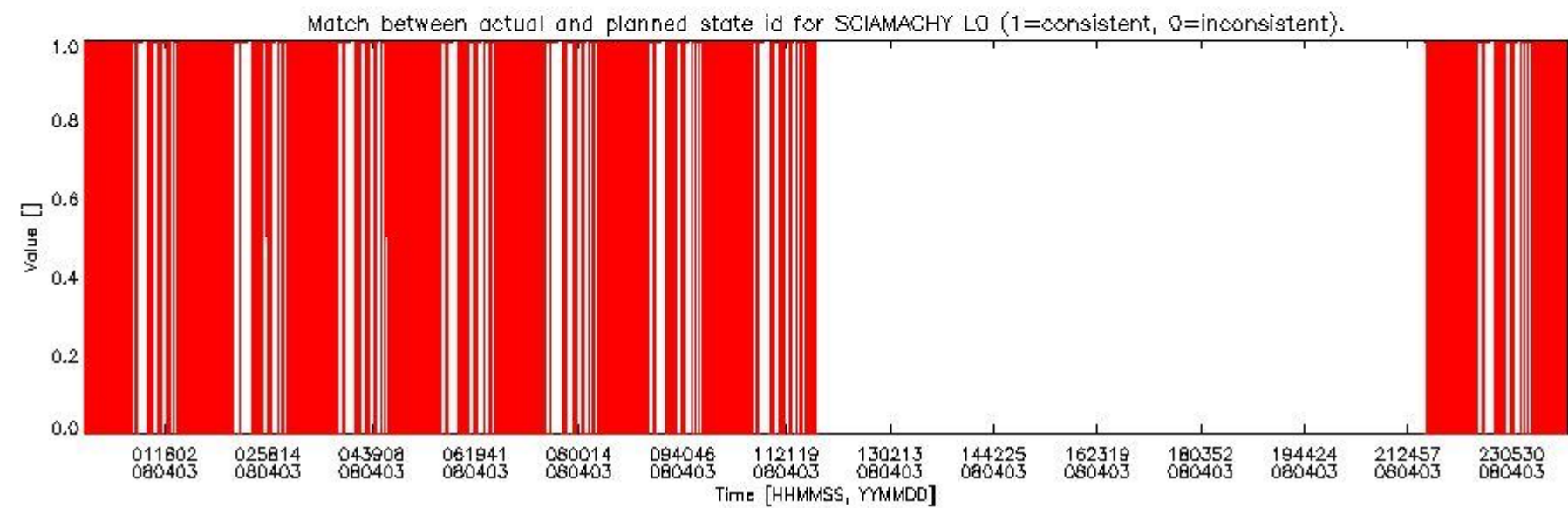
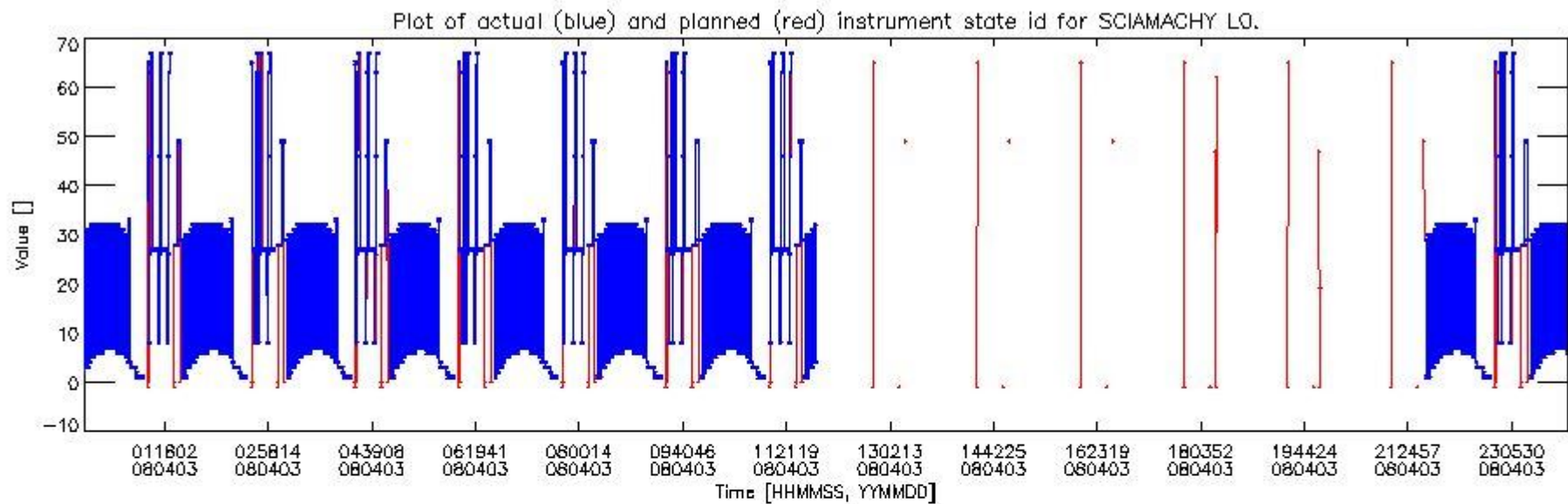


0.3 State monitoring

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: **22025**

#	Actual time	Actual value	Planned time	Planned value
0	03APR2008 00:00:08.334455	3	03APR2008 00:00:08.334455	30
1	03APR2008 00:00:08.584464	3	03APR2008 00:00:08.584464	30
2	03APR2008 00:00:08.709468	3	03APR2008 00:00:08.709468	30
3	03APR2008 00:00:08.834472	3	03APR2008 00:00:08.834472	30
4	03APR2008 00:00:08.959477	3	03APR2008 00:00:08.959477	30
5	03APR2008 00:00:09.084441	3	03APR2008 00:00:09.084441	30
6	03APR2008 00:00:09.209445	3	03APR2008 00:00:09.209445	30
7	03APR2008 00:00:09.334449	3	03APR2008 00:00:09.334449	30
8	03APR2008 00:00:09.459454	3	03APR2008 00:00:09.459454	30
9	03APR2008 00:00:09.584458	3	03APR2008 00:00:09.584458	30
10	03APR2008 00:00:09.709463	3	03APR2008 00:00:09.709463	30
11	03APR2008 00:00:09.834467	3	03APR2008 00:00:09.834467	30
12	03APR2008 00:00:09.959471	3	03APR2008 00:00:09.959471	30
13	03APR2008 00:00:10.084476	3	03APR2008 00:00:10.084476	30
14	03APR2008 00:00:10.209480	3	03APR2008 00:00:10.209480	30
15	03APR2008 00:00:10.334444	3	03APR2008 00:00:10.334444	30
16	03APR2008 00:00:10.459448	3	03APR2008 00:00:10.459448	30
17	03APR2008 00:00:10.584453	3	03APR2008 00:00:10.584453	30
18	03APR2008 00:00:10.709457	3	03APR2008 00:00:10.709457	30
19	03APR2008 00:00:10.834461	3	03APR2008 00:00:10.834461	30

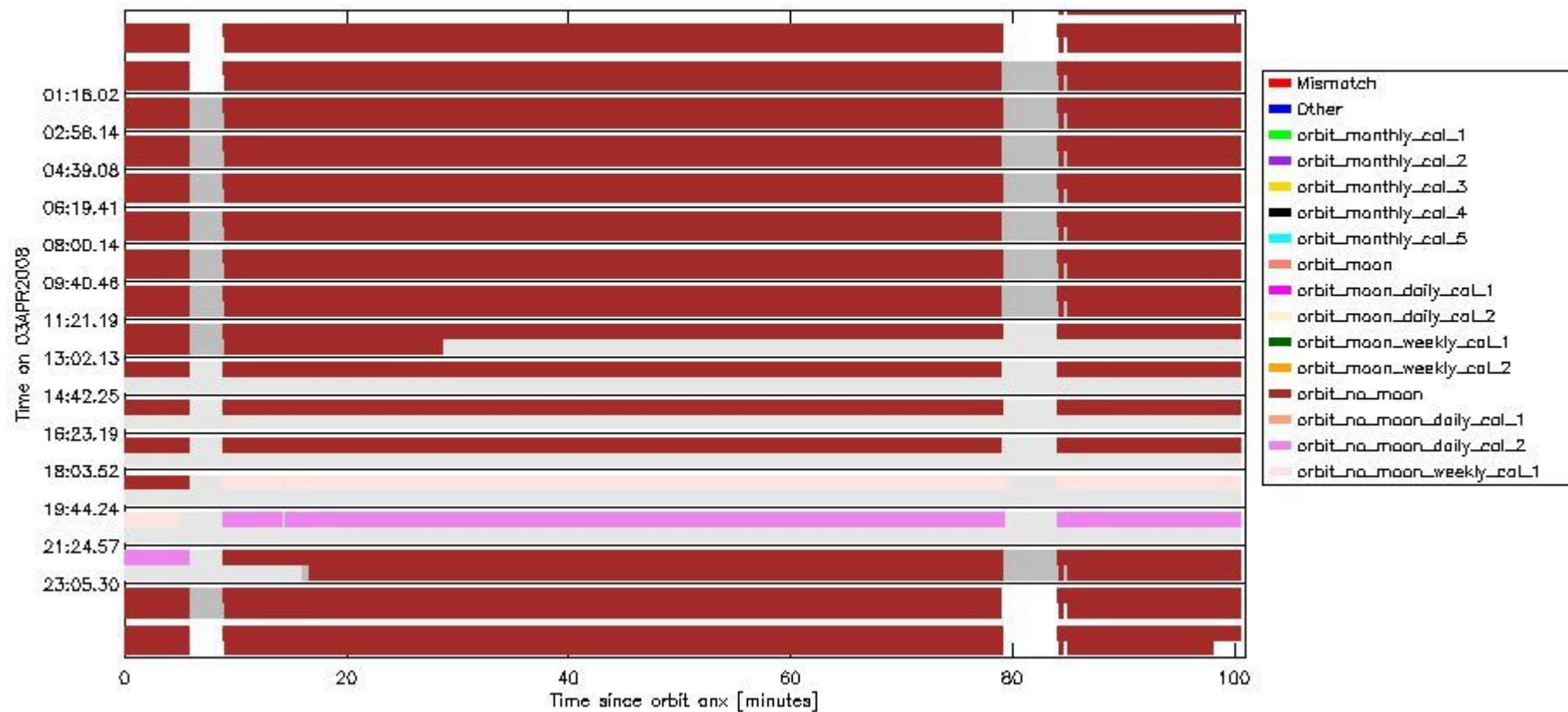


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080403_5.PNG

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 Q3APR2008.
 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_20080403_6.PNG

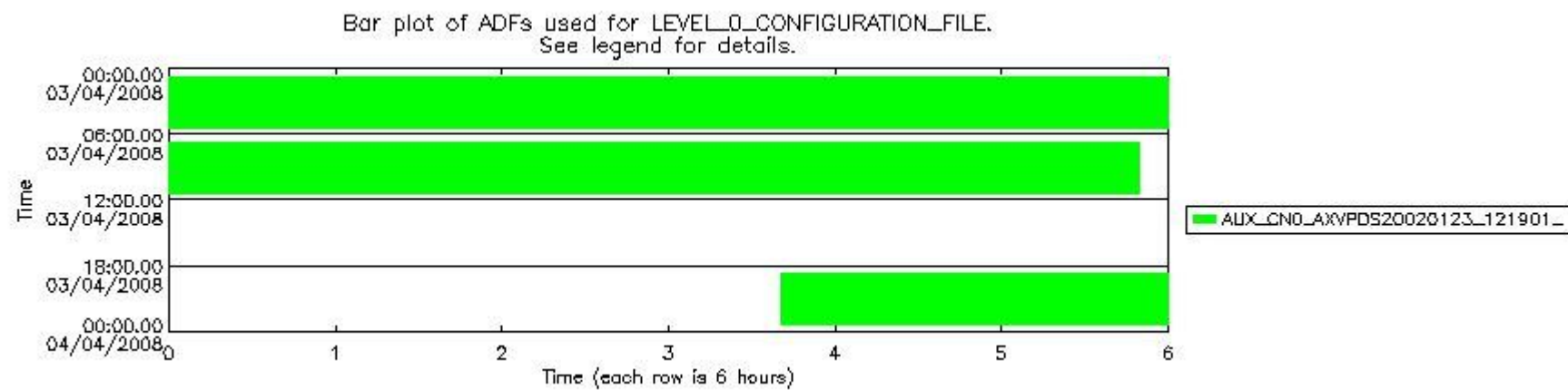
0.4 ADF monitoring

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

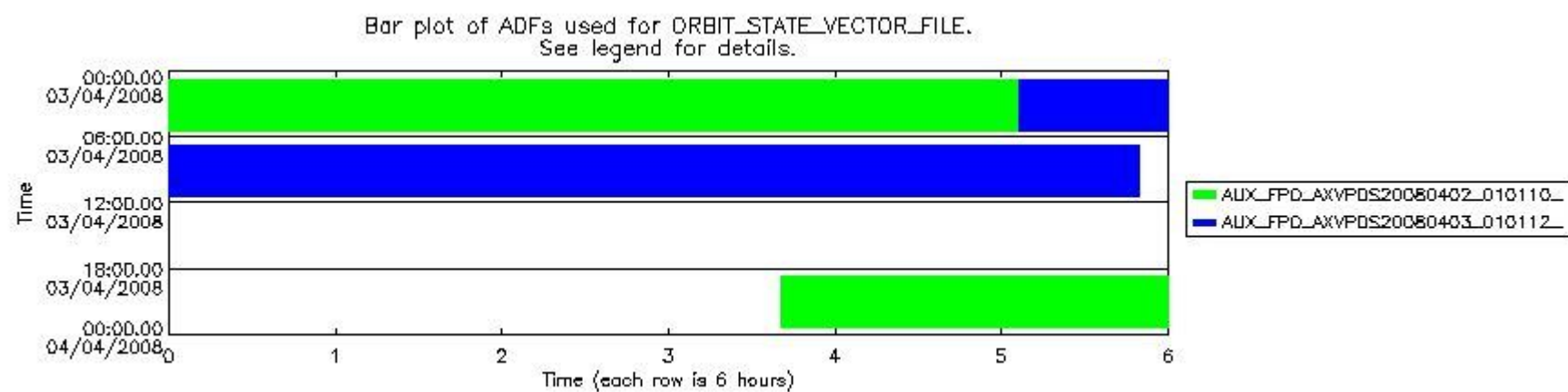
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

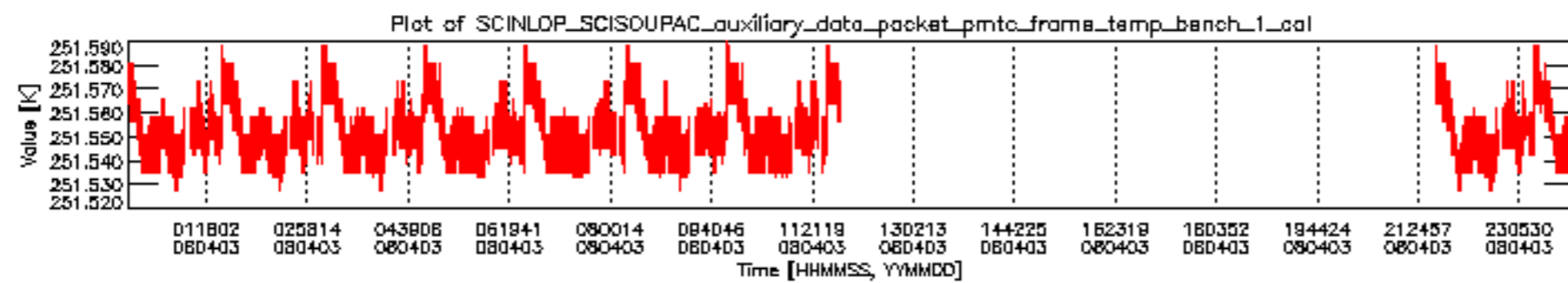
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080402_010110_20080401_190703_20080411_203316
2	AUX_FPO_AXVPDS20080403_010112_20080402_183526_20080412_200139

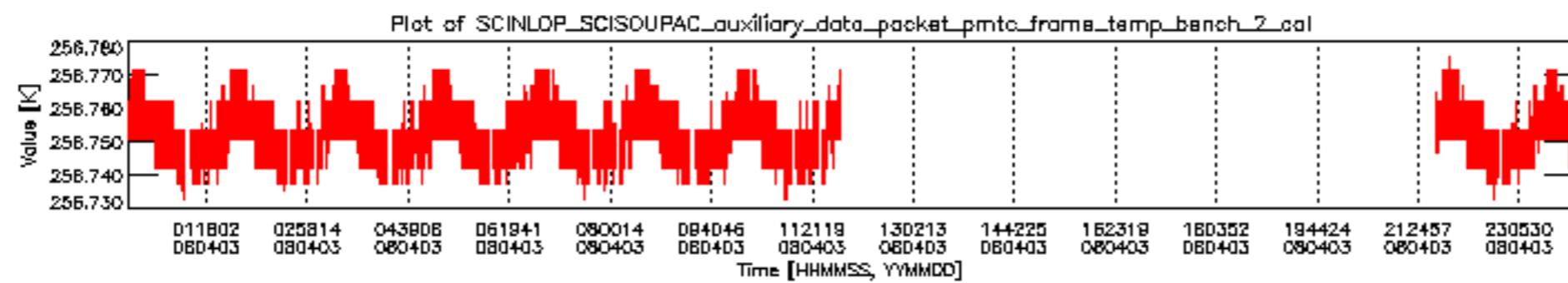


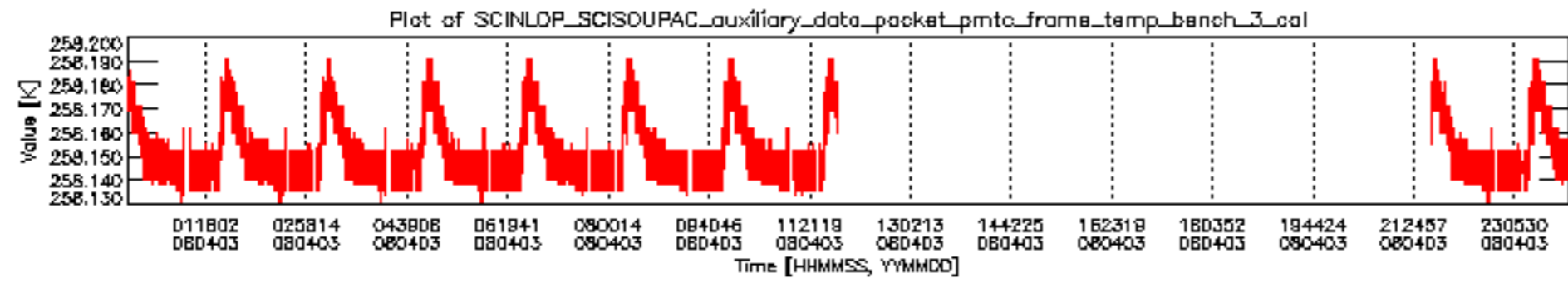
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080403_7.PNG

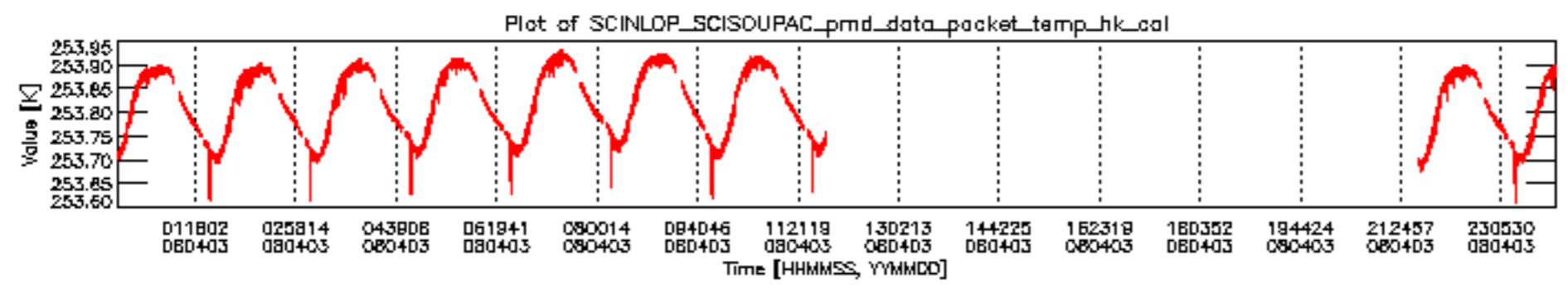


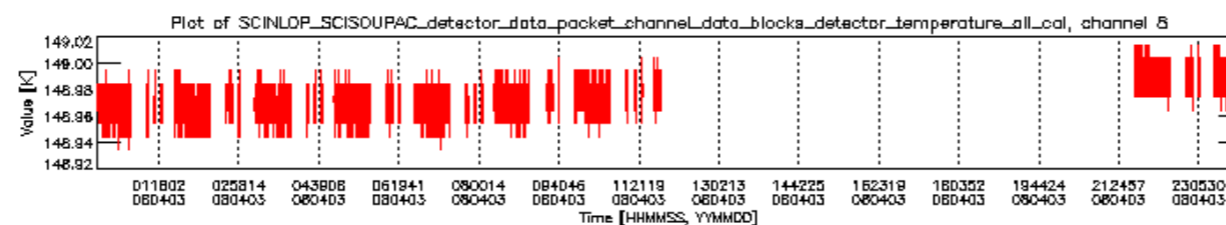
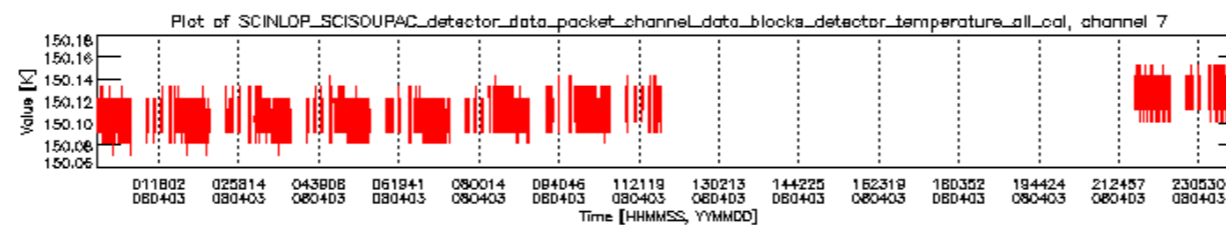
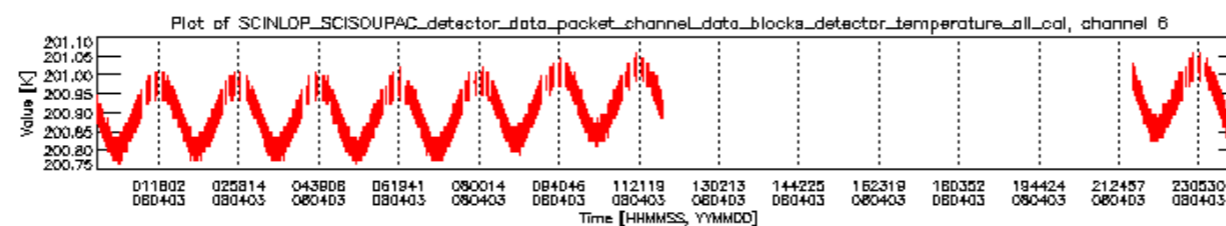
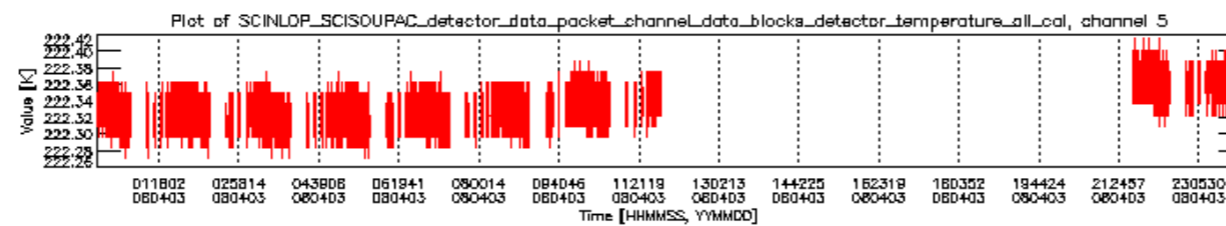
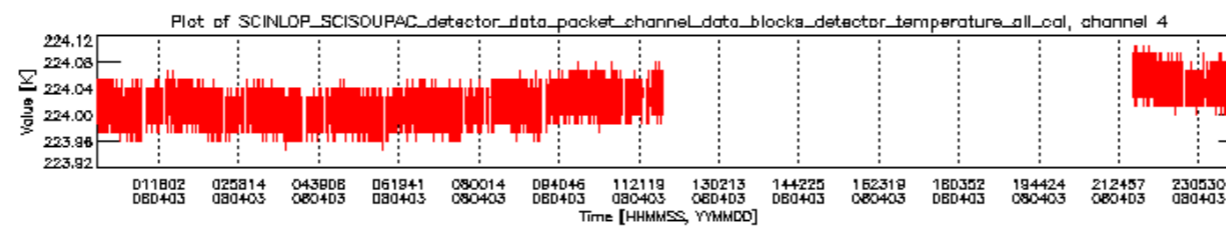
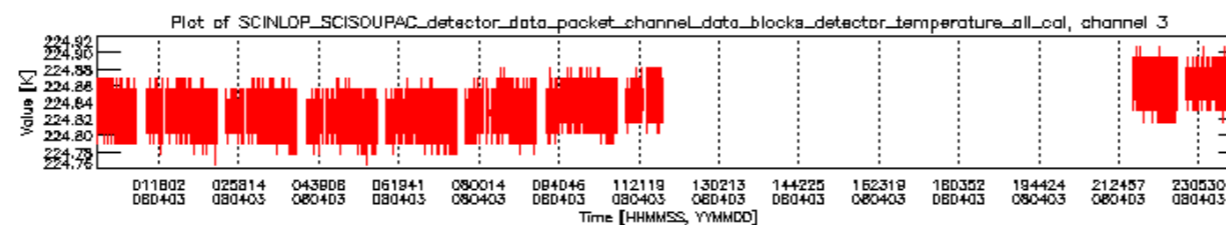
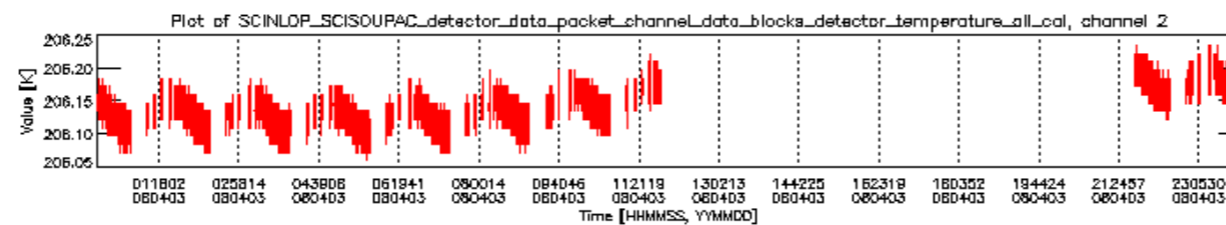
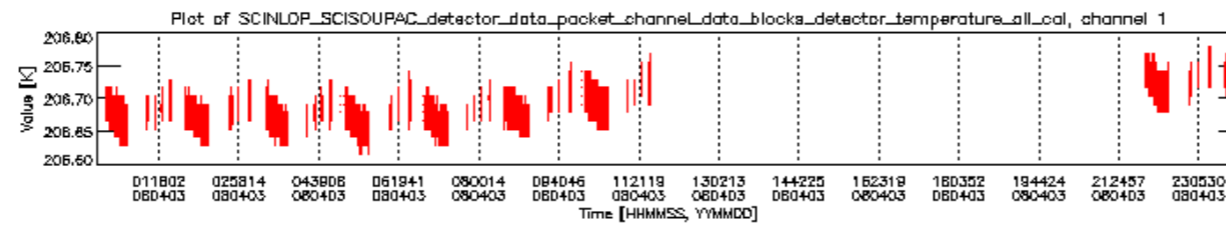
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080403_8.PNG

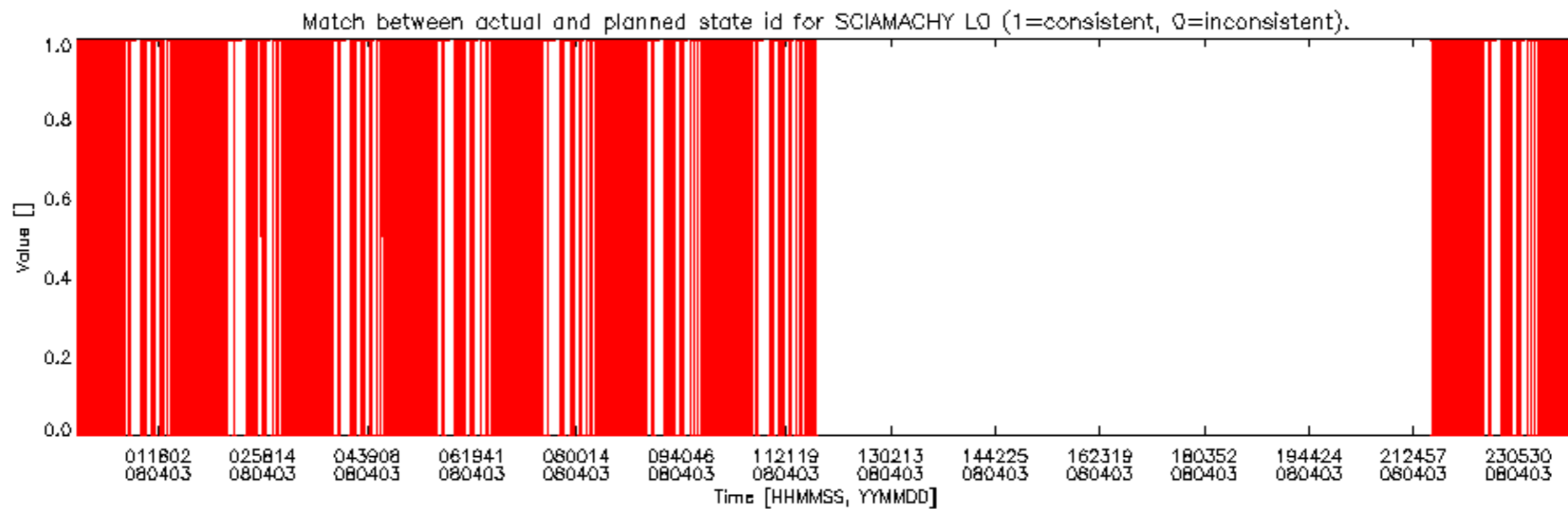
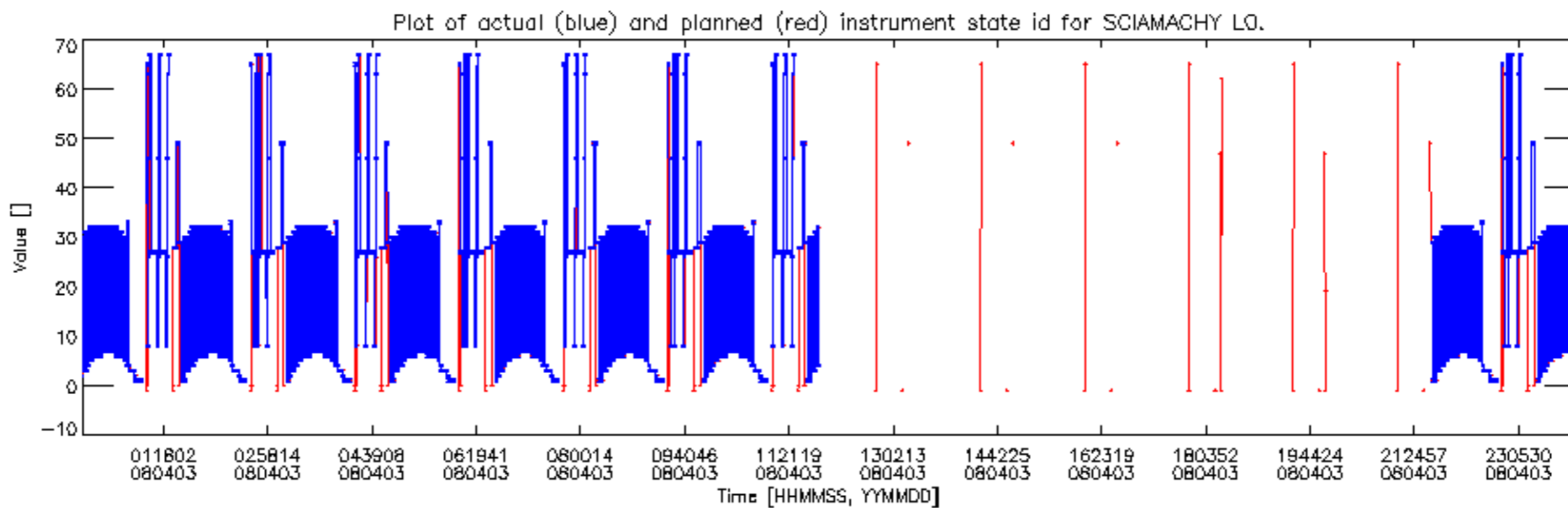




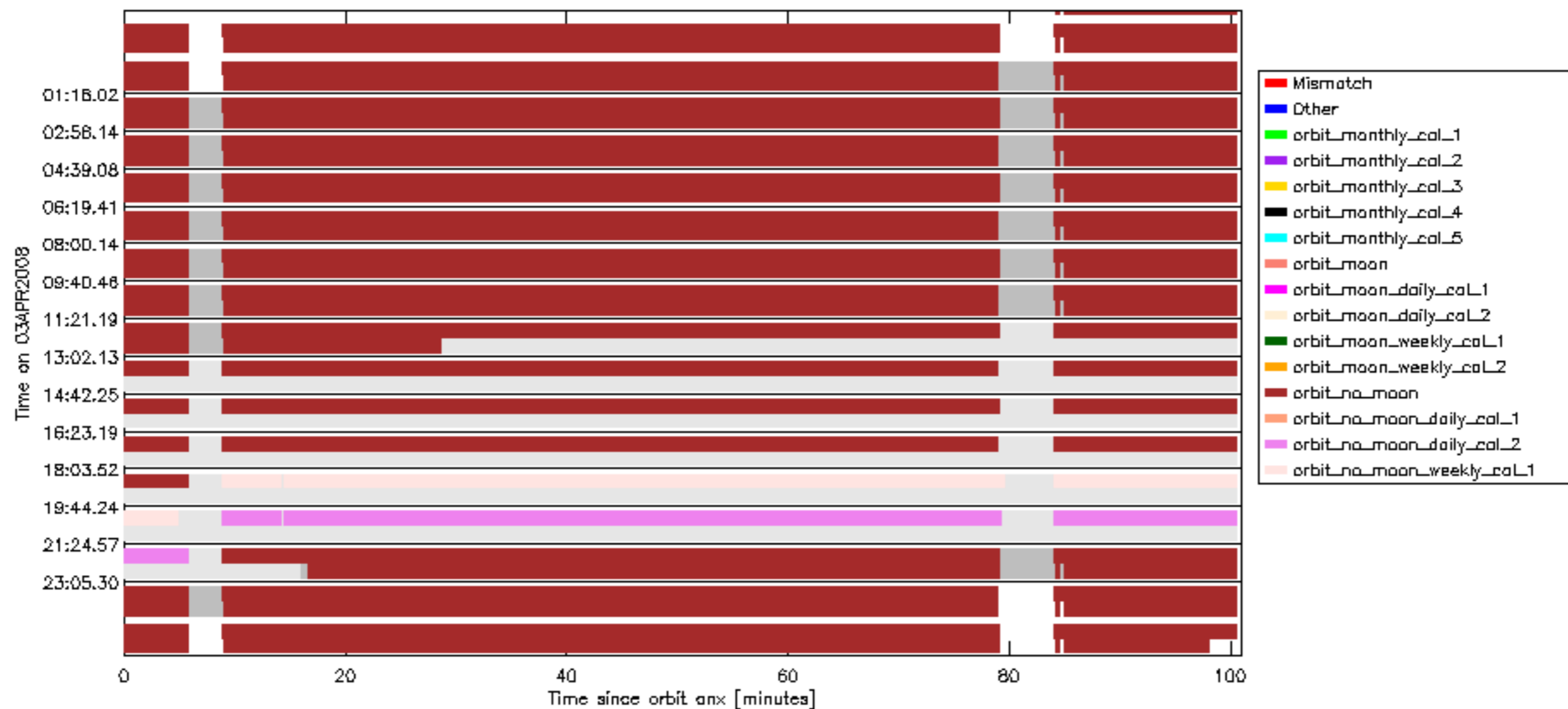


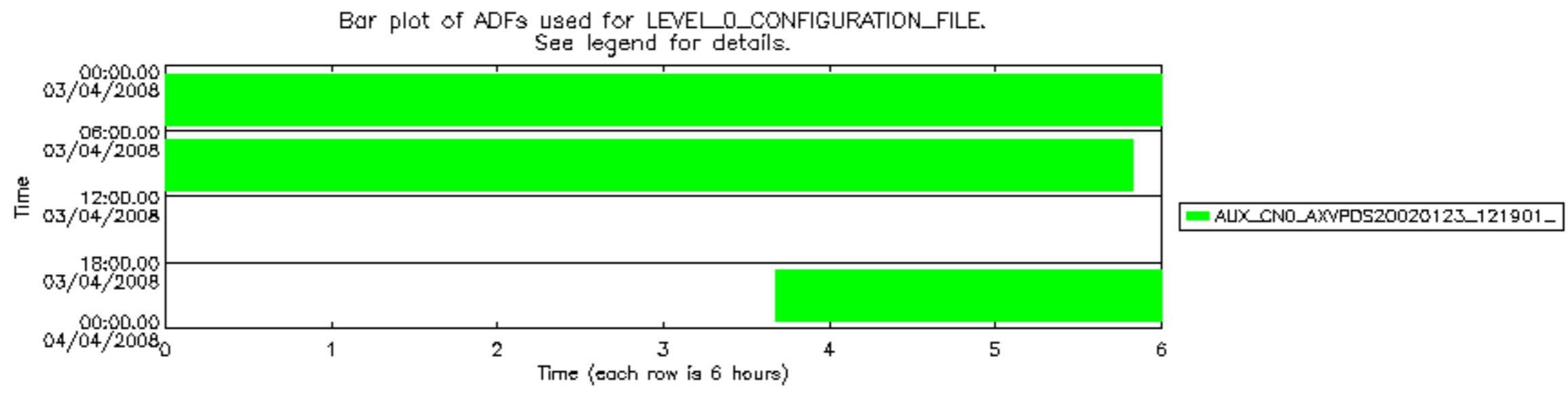






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 03APR2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities 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.

