

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	22MAR2009 04:09:19
Data source version	KSPT_L0/4303-N
Processing scope for products	18MAR2009 00:00:00 to 19MAR2009 00:00:00
Start time of first product within scope	17MAR2009 23:56:42
Stop time of last product within scope	19MAR2009 01:04:59
Total number of level 0 products	16
Number of level 0 products with errors	0

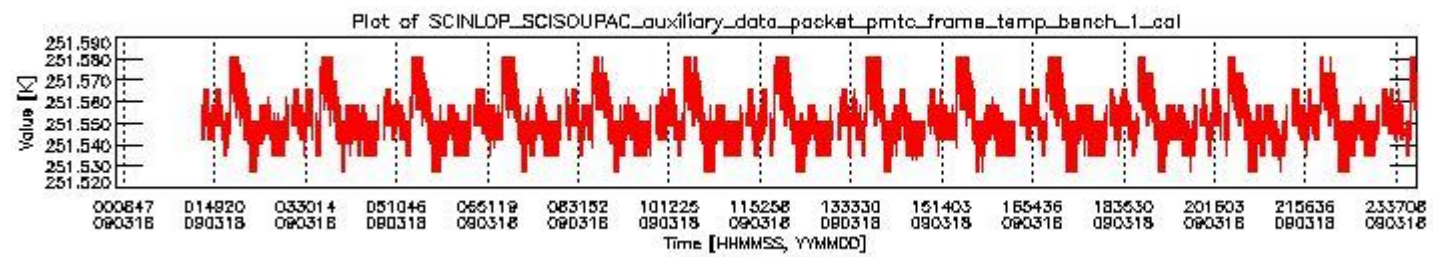
0.1.2 Summary per product

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

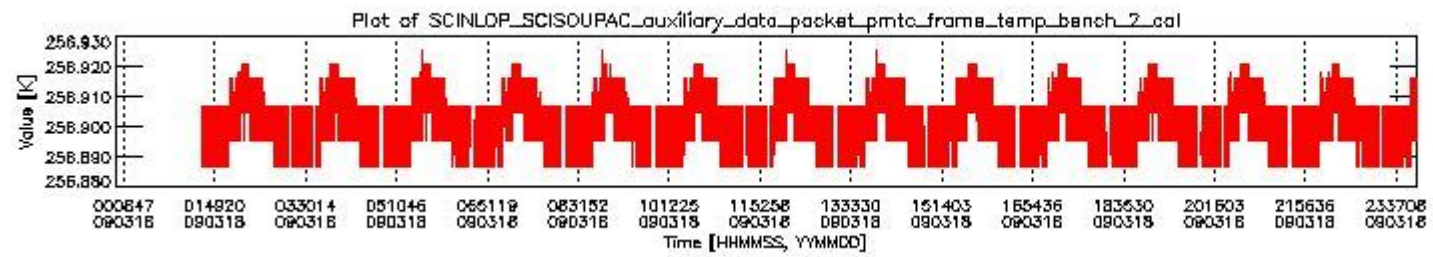
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090317_235642_000059582077_00216_36843_8692.N1	17MAR2009 23:56:42	18MAR2009 01:36:00	0	0	0	0	0
1	SCI_NL__OPNPDE20090318_013516_000047552077_00217_36844_8693.N1	18MAR2009 01:35:16	18MAR2009 02:54:31	0	0	0	0	0
2	SCI_NL__OPNPDE20090318_025323_000058552077_00218_36845_8694.N1	18MAR2009 02:53:23	18MAR2009 04:30:58	0	0	0	0	0
3	SCI_NL__OPNPDE20090318_043002_000061472077_00219_36846_8695.N1	18MAR2009 04:30:02	18MAR2009 06:12:30	0	0	0	0	0
4	SCI_NL__OPNPDK20090318_061134_000041132077_00220_36847_0990.N1	18MAR2009 06:11:34	18MAR2009 07:20:07	0	0	0	0	0
5	SCI_NL__OPNPDK20090318_071858_000060912077_00221_36848_0991.N1	18MAR2009 07:18:58	18MAR2009 09:00:30	0	0	0	0	0
6	SCI_NL__OPNPDK20090318_090030_000060482077_00222_36849_0992.N1	18MAR2009 09:00:30	18MAR2009 10:41:18	0	0	0	0	0
7	SCI_NL__OPNPDK20090318_104009_000059672077_00223_36850_0993.N1	18MAR2009 10:40:09	18MAR2009 12:19:36	0	0	0	0	0
8	SCI_NL__OPNPDK20090318_121840_000060352077_00224_36851_0994.N1	18MAR2009 12:18:40	18MAR2009 13:59:16	0	0	0	0	0
9	SCI_NL__OPNPDK20090318_135711_000059672077_00225_36852_0995.N1	18MAR2009 13:57:11	18MAR2009 15:36:38	0	0	0	0	0
10	SCI_NL__OPNPDK20090318_153434_000059482077_00226_36853_0996.N1	18MAR2009 15:34:34	18MAR2009 17:13:42	0	0	0	0	0
11	SCI_NL__OPNPDK20090318_171150_000060912077_00227_36854_0997.N1	18MAR2009 17:11:50	18MAR2009 18:53:21	0	0	0	0	0
12	SCI_NL__OPNPDK20090318_185145_000059142077_00228_36855_0998.N1	18MAR2009 18:51:45	18MAR2009 20:30:19	0	0	0	0	0
13	SCI_NL__OPNPDE20090318_203019_000043222077_00229_36856_8696.N1	18MAR2009 20:30:19	18MAR2009 21:42:21	0	0	0	0	0
14	SCI_NL__OPNPDE20090318_214221_000062032077_00229_36856_8697.N1	18MAR2009 21:42:21	18MAR2009 23:25:44	0	0	0	0	0
15	SCI_NL__OPNPDE20090318_232510_000059892077_00230_36857_8698.N1	18MAR2009 23:25:10	19MAR2009 01:04:59	0	0	0	0	0

0.2 Product Quality Indicators

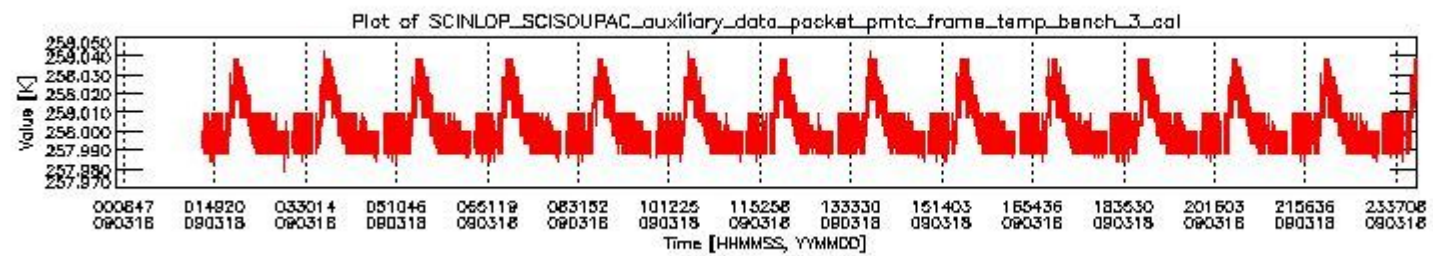
This section shows information about product quality, currently temperatures.



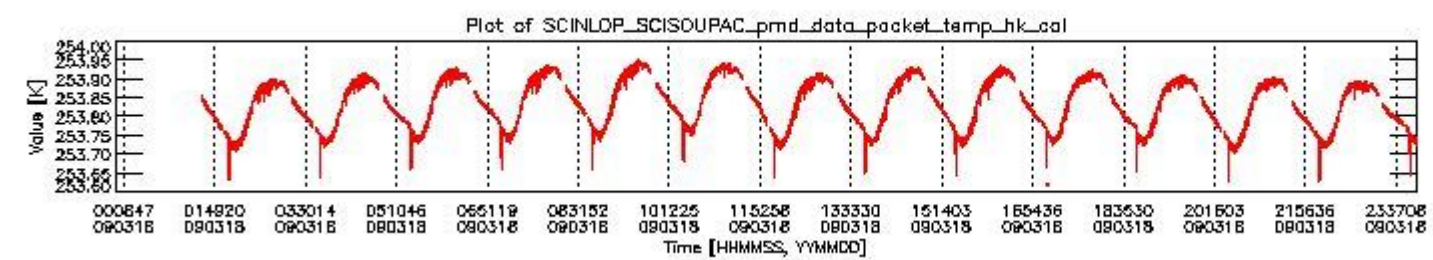
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090318_0.PNG



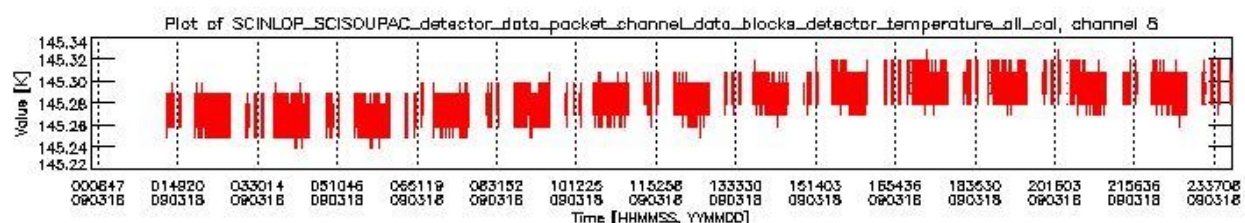
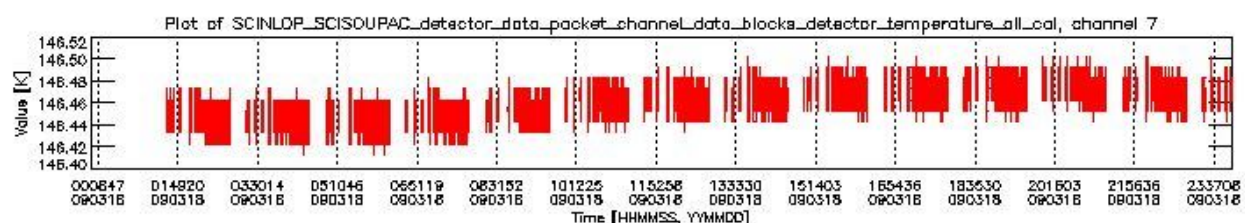
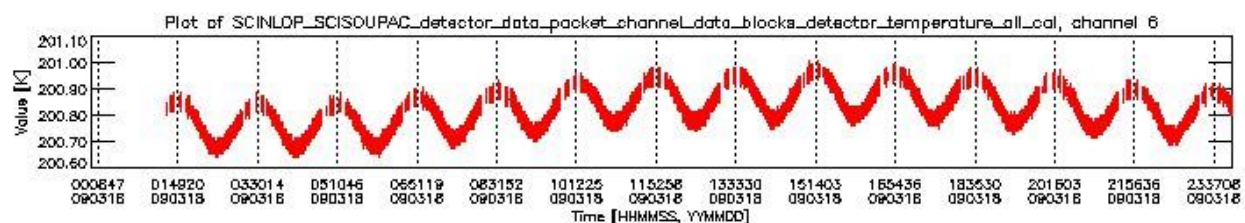
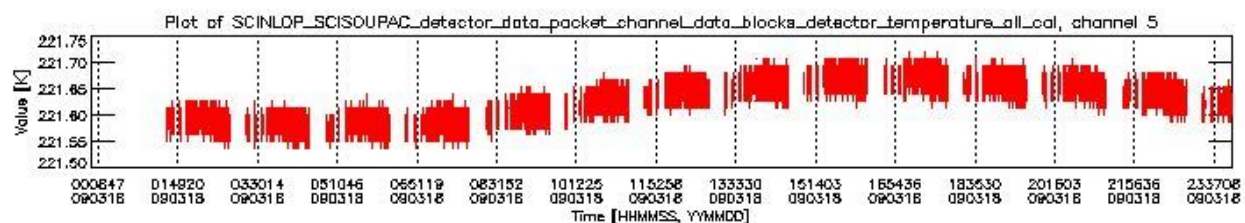
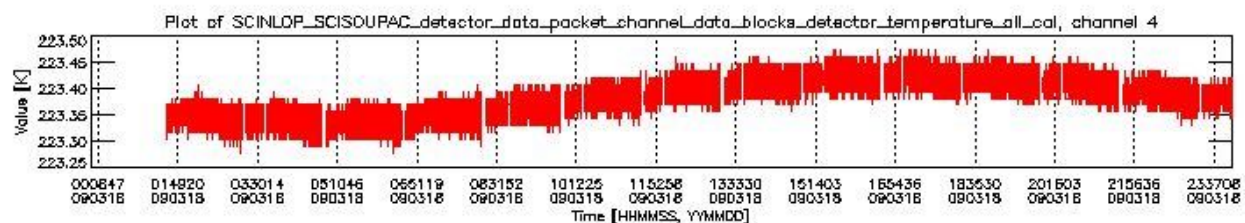
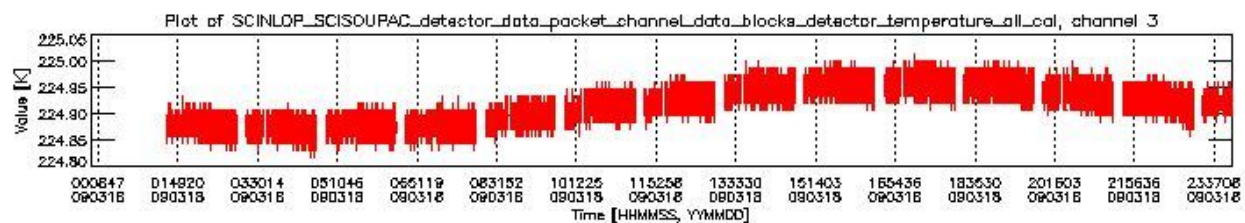
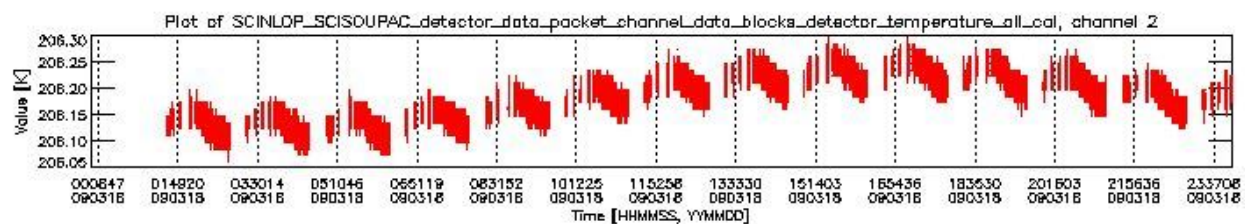
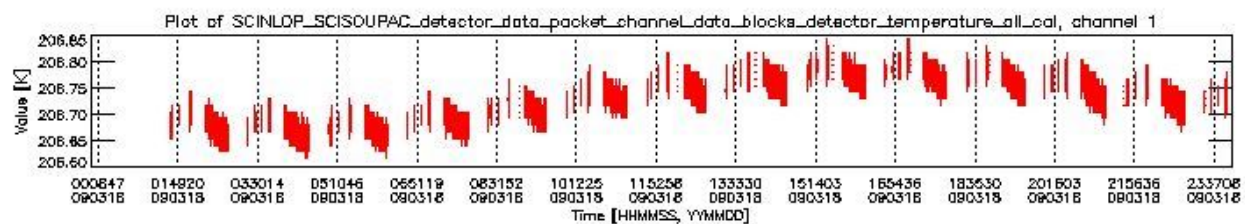
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090318_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090318_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090318_3.PNG

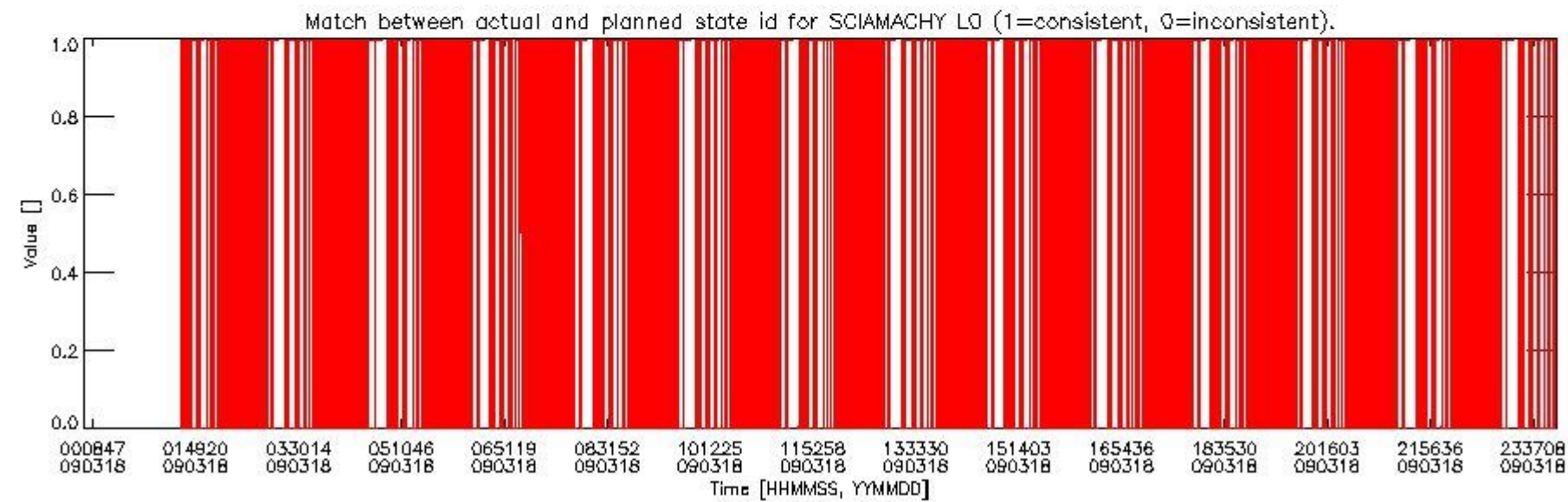
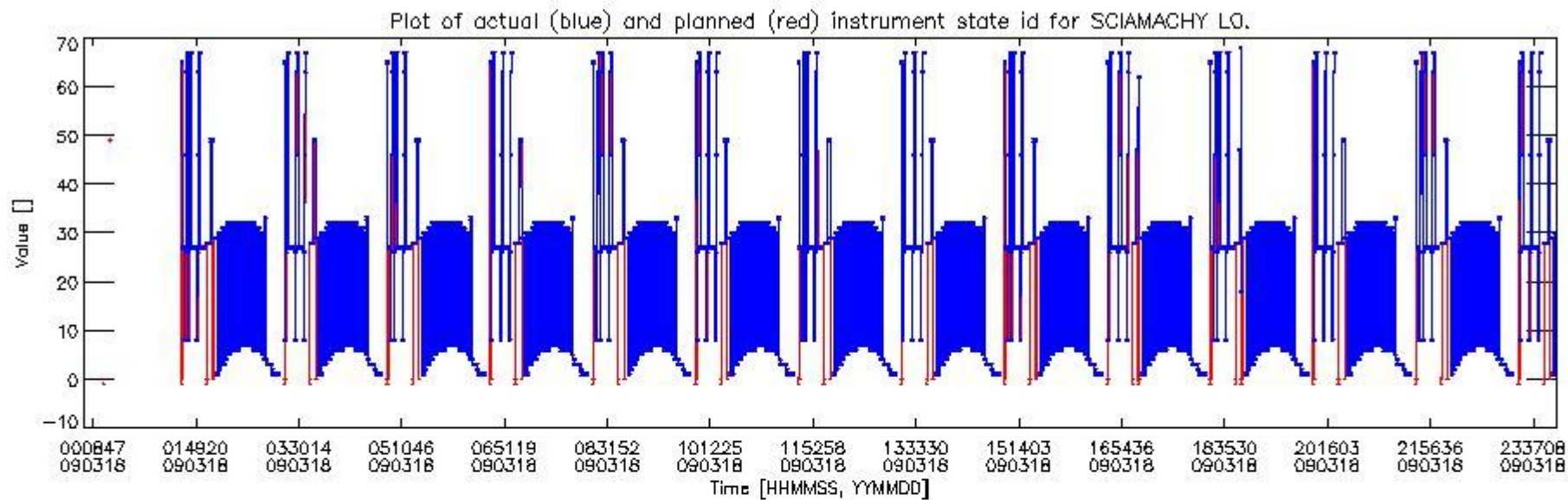


0.3 State monitoring

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: **44441**

#	Actual time	Actual value	Planned time	Planned value
0	18MAR2009 01:35:16.972652	65	18MAR2009 01:35:16.972652	0
1	18MAR2009 01:35:17.597634	65	18MAR2009 01:35:17.597634	0
2	18MAR2009 01:35:18.097651	65	18MAR2009 01:35:18.097651	0
3	18MAR2009 01:35:18.597628	65	18MAR2009 01:35:18.597628	0
4	18MAR2009 01:35:19.097646	65	18MAR2009 01:35:19.097646	0
5	18MAR2009 01:35:19.597663	65	18MAR2009 01:35:19.597663	0
6	18MAR2009 01:35:20.097640	65	18MAR2009 01:35:20.097640	0
7	18MAR2009 01:35:20.597658	65	18MAR2009 01:35:20.597658	0
8	18MAR2009 01:35:21.097635	65	18MAR2009 01:35:21.097635	0
9	18MAR2009 01:35:21.597652	65	18MAR2009 01:35:21.597652	0
10	18MAR2009 01:35:21.972665	65	18MAR2009 01:35:21.972665	0
11	18MAR2009 01:35:22.097629	65	18MAR2009 01:35:22.097629	0
12	18MAR2009 01:35:22.597647	65	18MAR2009 01:35:22.597647	0
13	18MAR2009 01:35:23.097664	65	18MAR2009 01:35:23.097664	0
14	18MAR2009 01:35:23.597641	65	18MAR2009 01:35:23.597641	0
15	18MAR2009 01:35:24.097659	65	18MAR2009 01:35:24.097659	0
16	18MAR2009 01:35:24.597636	65	18MAR2009 01:35:24.597636	0
17	18MAR2009 01:35:25.097653	65	18MAR2009 01:35:25.097653	0
18	18MAR2009 01:36:00.726549	27	18MAR2009 01:36:00.726549	0
19	18MAR2009 01:36:01.726543	27	18MAR2009 01:36:01.726543	0
...



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090318_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 18MAR2009.
 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_20090318_6.PNG

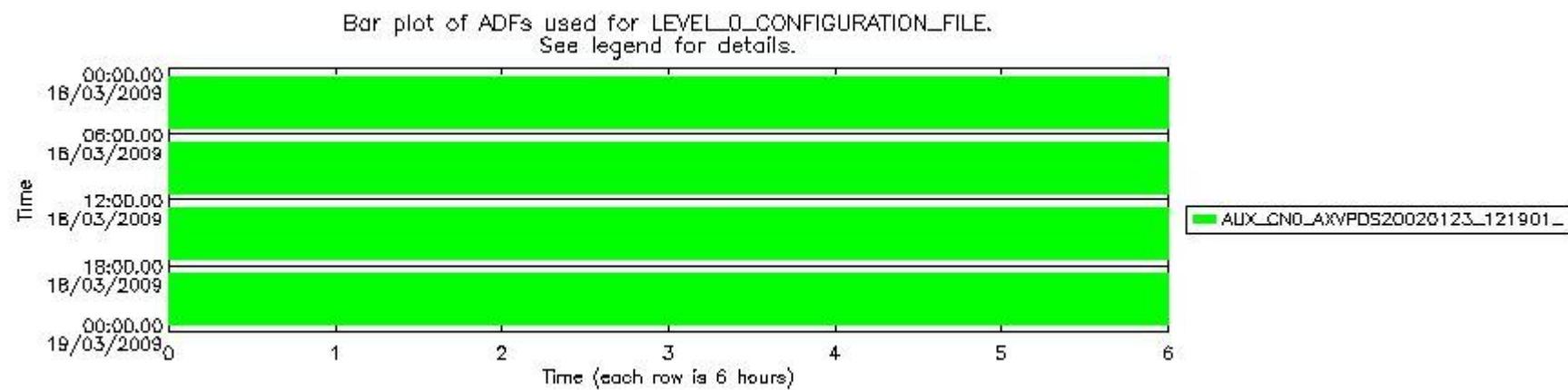
0.4 ADF monitoring

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

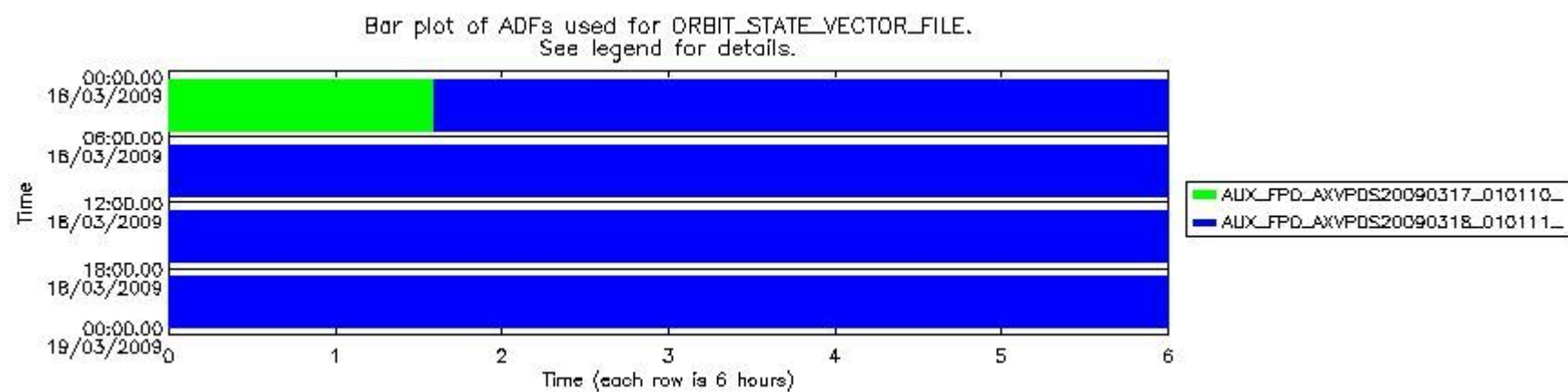
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

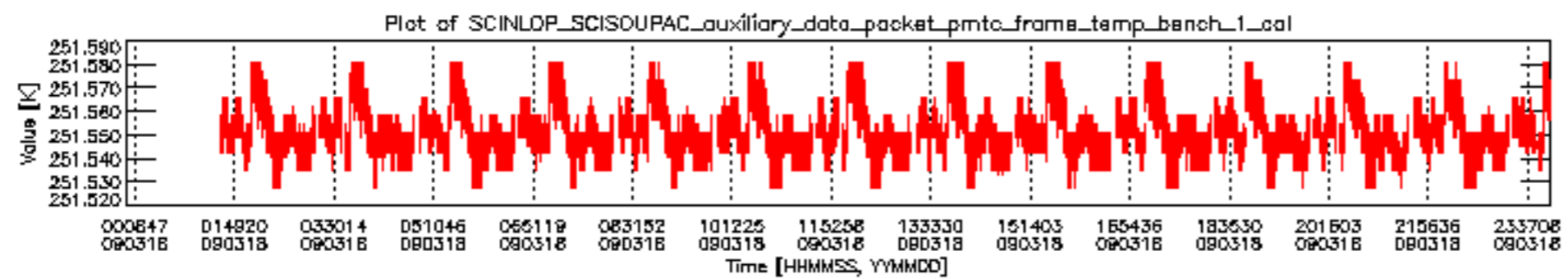
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090317_010110_20090316_193837_20090326_210450
2	AUX_FPO_AXVPDS20090318_010111_20090317_190700_20090327_203313

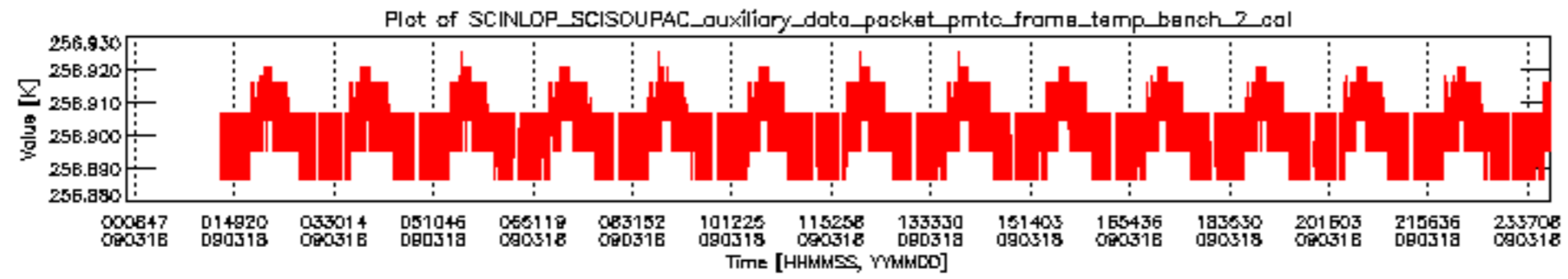


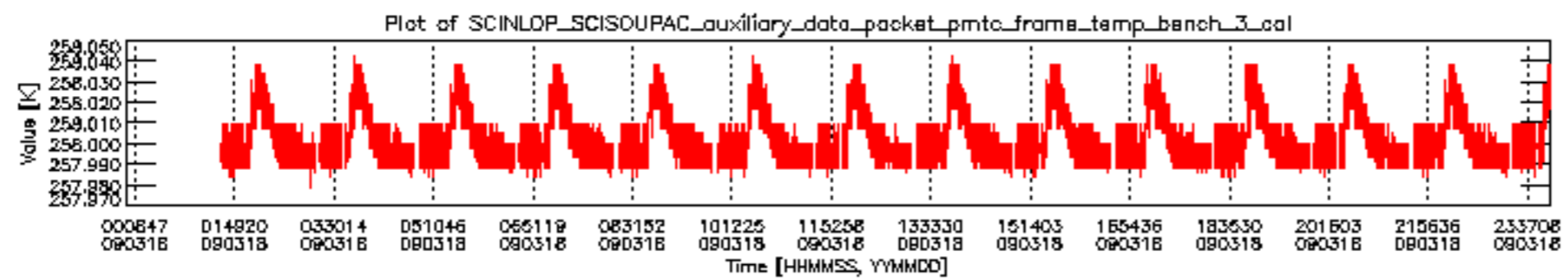
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090318_7.PNG

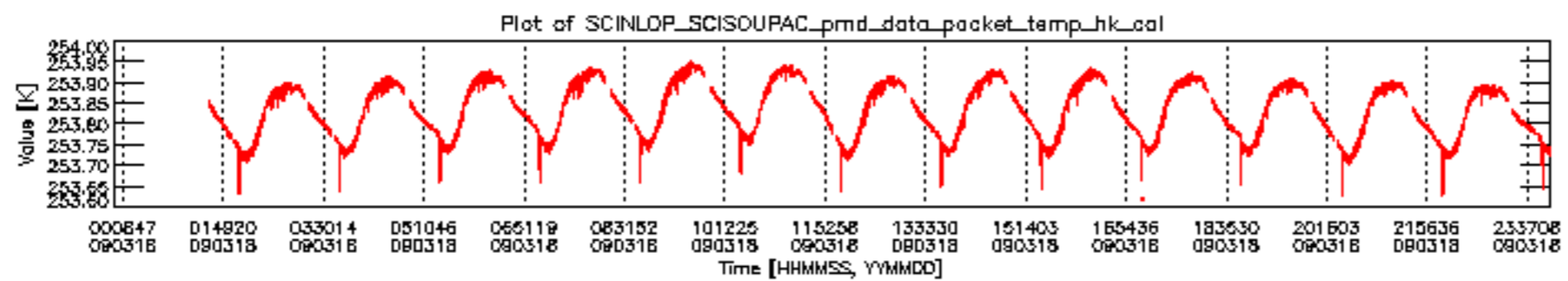


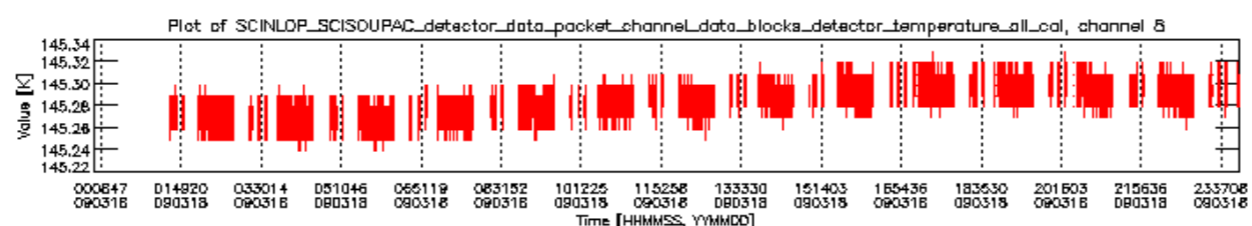
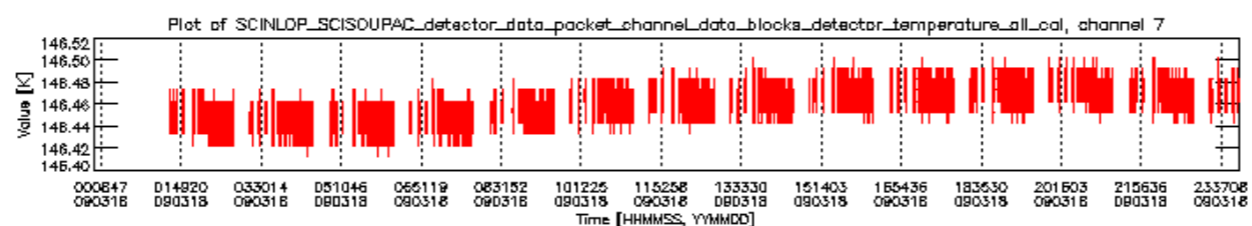
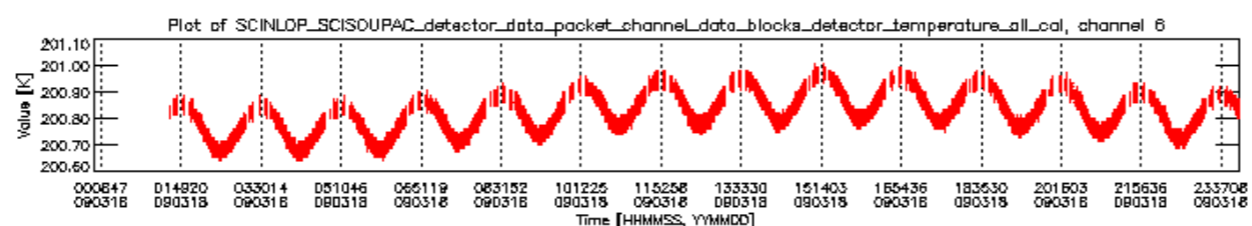
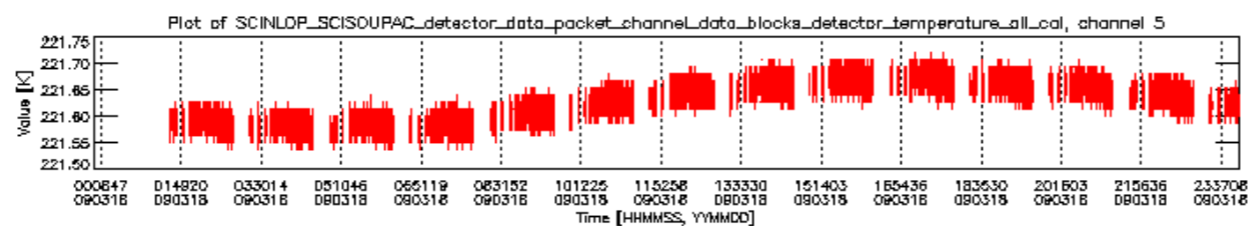
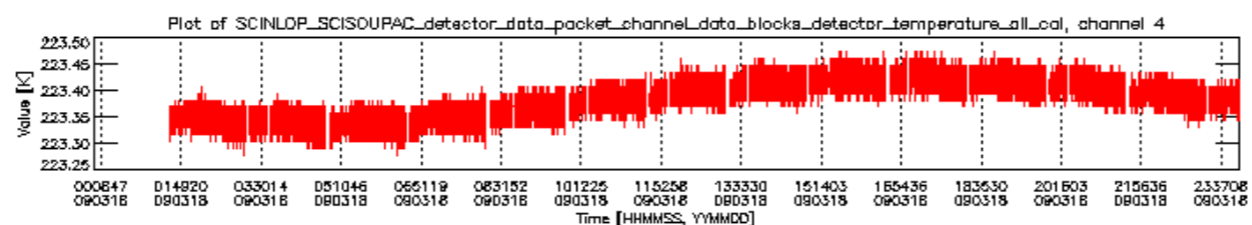
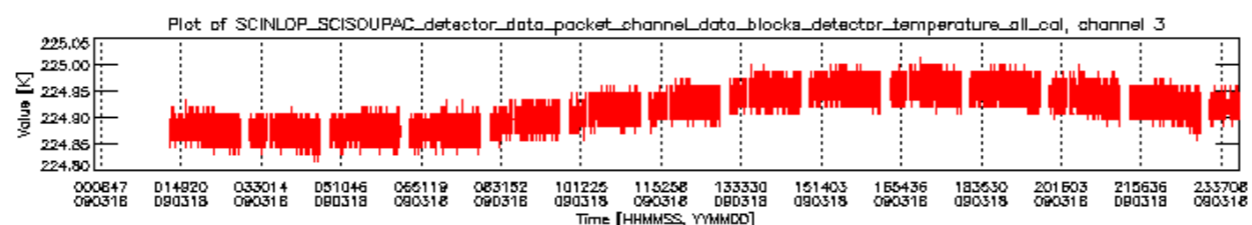
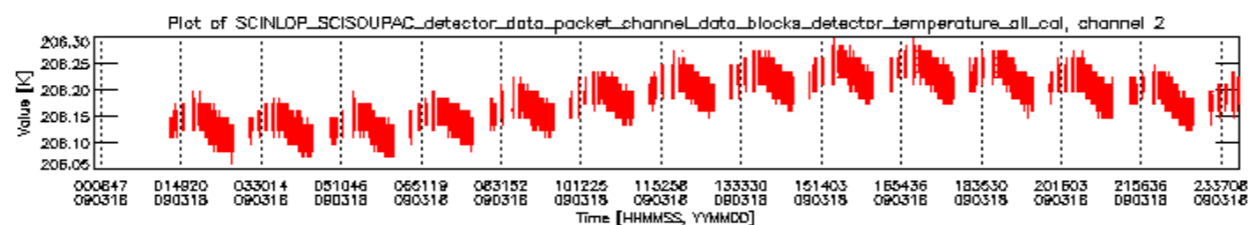
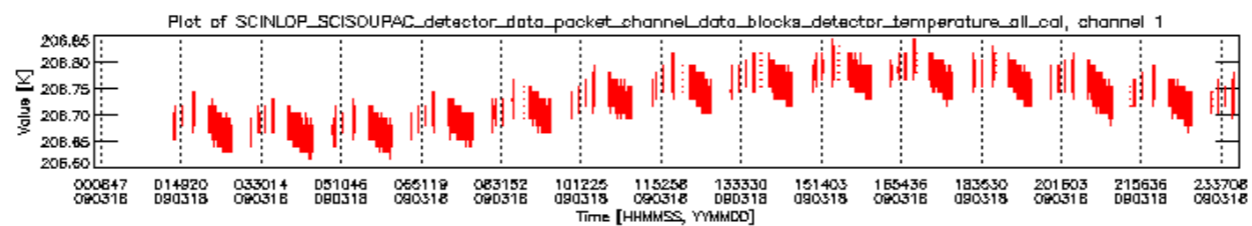
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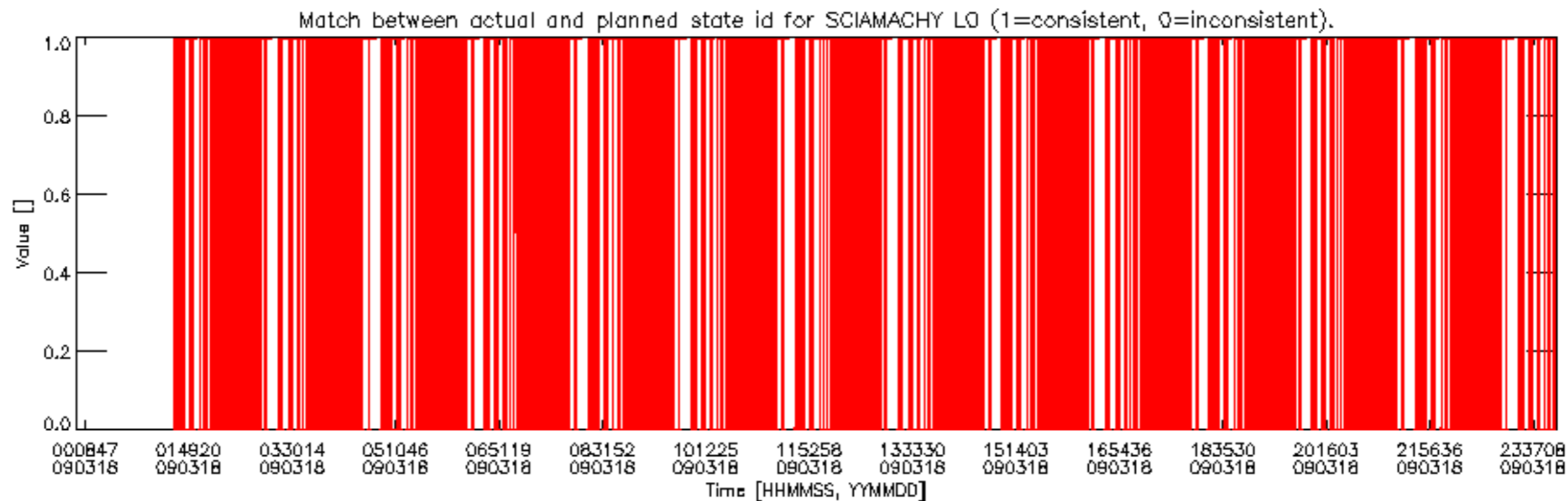
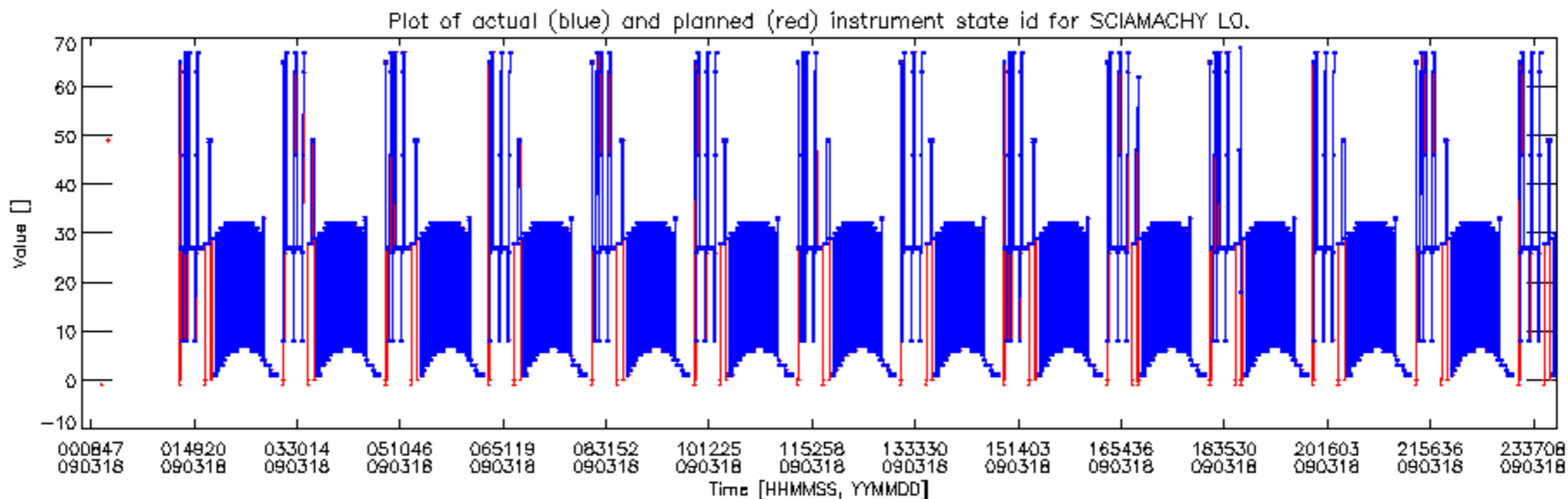




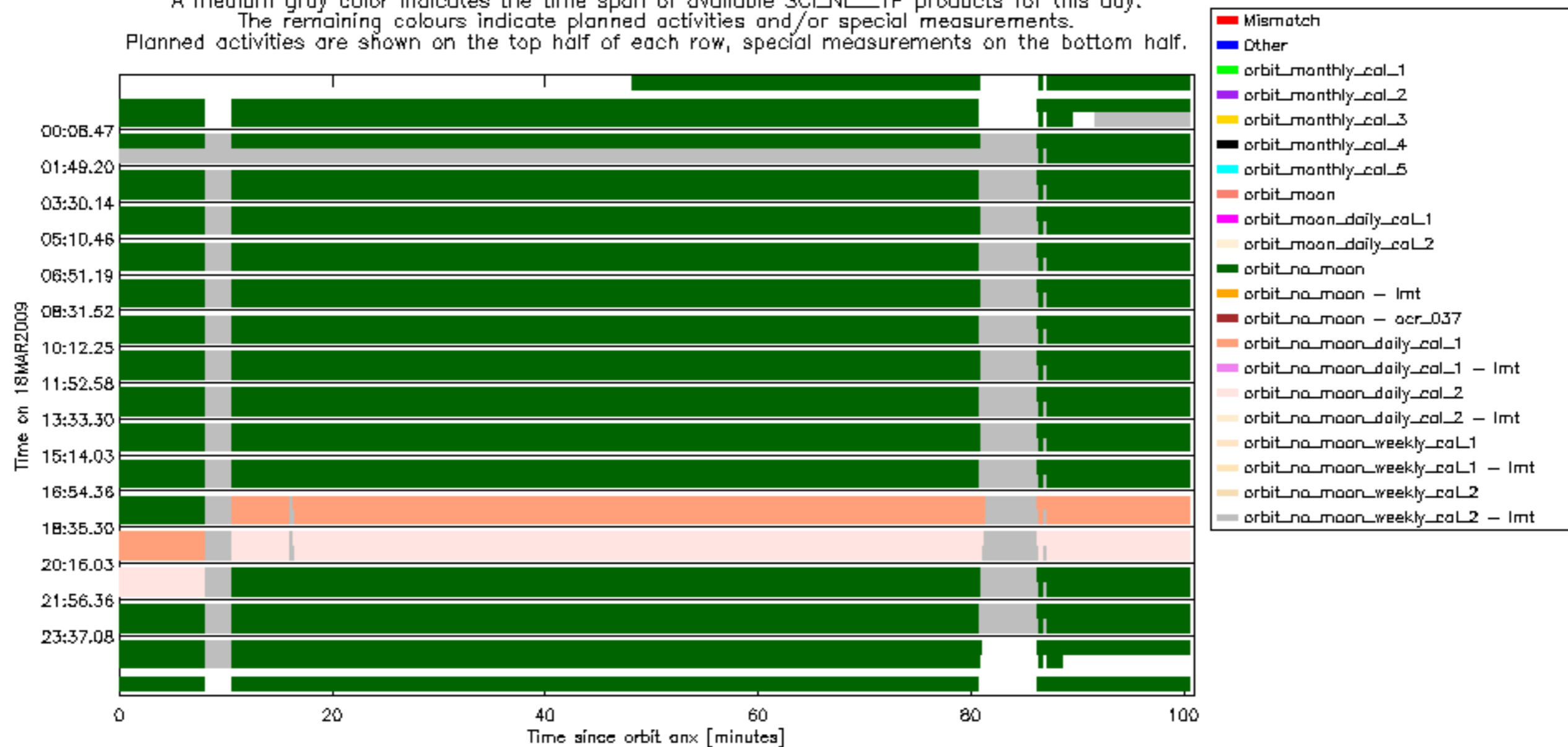


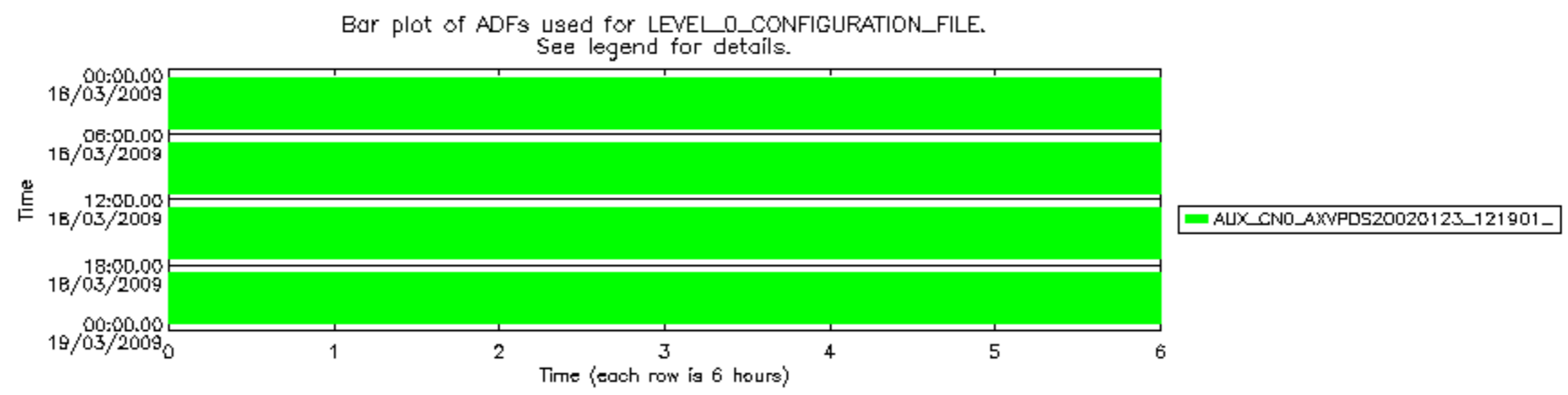






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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

