

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	21MAR2010 01:20:15
Data source version	KSPT_L0/4303-N
Processing scope for products	17MAR2010 00:00:00 to 18MAR2010 00:00:00
Start time of first product within scope	16MAR2010 23:15:16
Stop time of last product within scope	18MAR2010 00:27:02
Total number of Level 0 products	15
Number of Level 0 products with errors	0

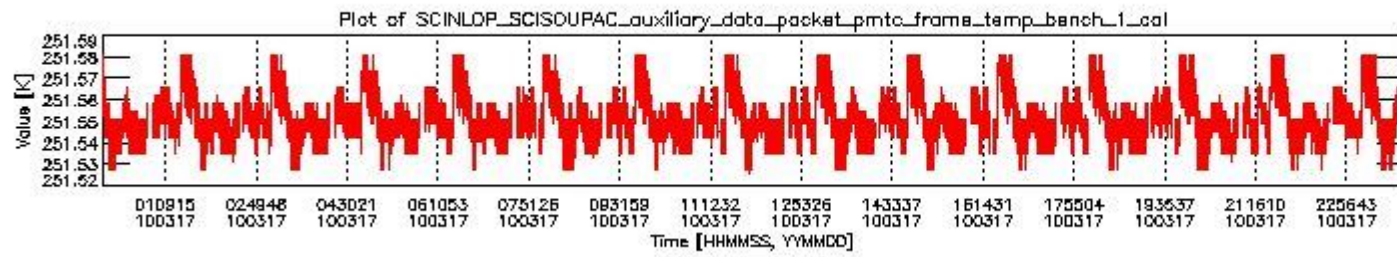
0.1.2 Summary per product

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

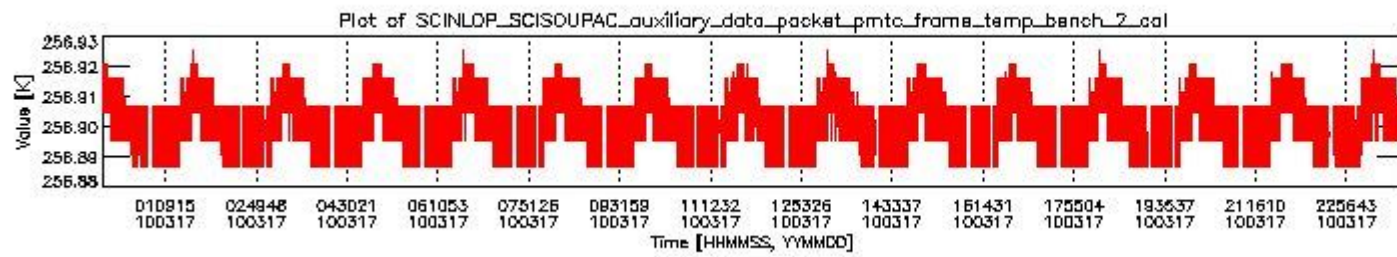
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100316_231516_000061672087_00416_42053_1091.N1	16MAR2010 23:15:16	17MAR2010 00:58:04	0	0	0	0	0
1	SCI_NL__OPNPDE20100317_005636_000095802087_00417_42054_1092.N1	17MAR2010 00:56:36	17MAR2010 03:36:16	0	0	0	0	0
2	SCI_NL__OPNPDE20100317_033616_000069622087_00419_42056_1093.N1	17MAR2010 03:36:16	17MAR2010 05:32:18	0	0	0	0	0
3	SCI_NL__OPNPDE20100317_053218_000059802087_00420_42057_1094.N1	17MAR2010 05:32:18	17MAR2010 07:11:58	0	0	0	0	0
4	SCI_NL__OPNPDK20100317_071158_000040452087_00421_42058_4358.N1	17MAR2010 07:11:58	17MAR2010 08:19:22	0	0	0	0	0
5	SCI_NL__OPNPDK20100317_081922_000060352087_00422_42059_4359.N1	17MAR2010 08:19:22	17MAR2010 09:59:58	0	0	0	0	0
6	SCI_NL__OPNPDK20100317_095902_000058982087_00423_42060_4360.N1	17MAR2010 09:59:02	17MAR2010 11:37:20	0	0	0	0	0
7	SCI_NL__OPNPDK20100317_113624_000060352087_00424_42061_4361.N1	17MAR2010 11:36:24	17MAR2010 13:17:00	0	0	0	0	0
8	SCI_NL__OPNPDK20100317_131455_000060912087_00425_42062_4362.N1	17MAR2010 13:14:55	17MAR2010 14:56:27	0	0	0	0	0
9	SCI_NL__OPNPDK20100317_145422_000059802087_00426_42063_4363.N1	17MAR2010 14:54:22	17MAR2010 16:34:02	0	0	0	0	0
10	SCI_NL__OPNPDK20100317_163210_000060042087_00427_42064_4364.N1	17MAR2010 16:32:10	17MAR2010 18:12:14	0	0	0	0	0
11	SCI_NL__OPNPDK20100317_181134_000059132087_00428_42065_4365.N1	17MAR2010 18:11:34	17MAR2010 19:50:07	0	0	0	0	0
12	SCI_NL__OPNPDE20100317_195007_000039462087_00429_42066_1095.N1	17MAR2010 19:50:07	17MAR2010 20:55:54	0	0	0	0	0
13	SCI_NL__OPNPDE20100317_210212_000061702087_00429_42066_1096.N1	17MAR2010 21:02:12	17MAR2010 22:45:02	0	0	0	0	0
14	SCI_NL__OPNPDE20100317_224331_000062112087_00430_42067_1097.N1	17MAR2010 22:43:31	18MAR2010 00:27:02	0	0	0	0	0

0.2 Product Quality Indicators

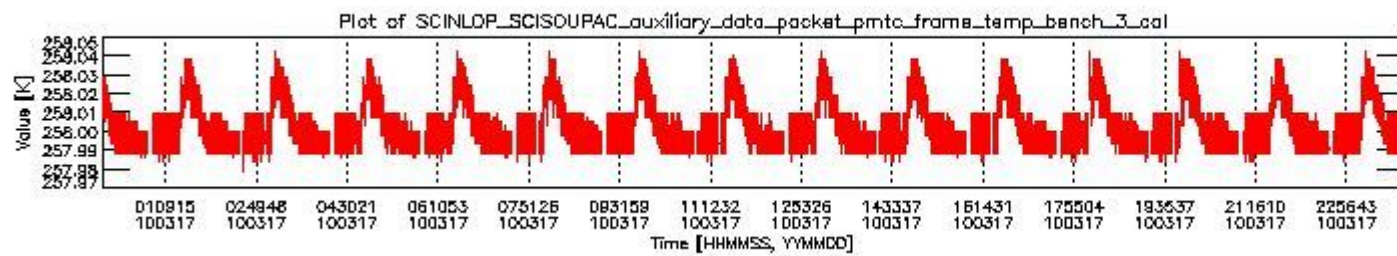
This section shows information about product quality, currently temperatures.



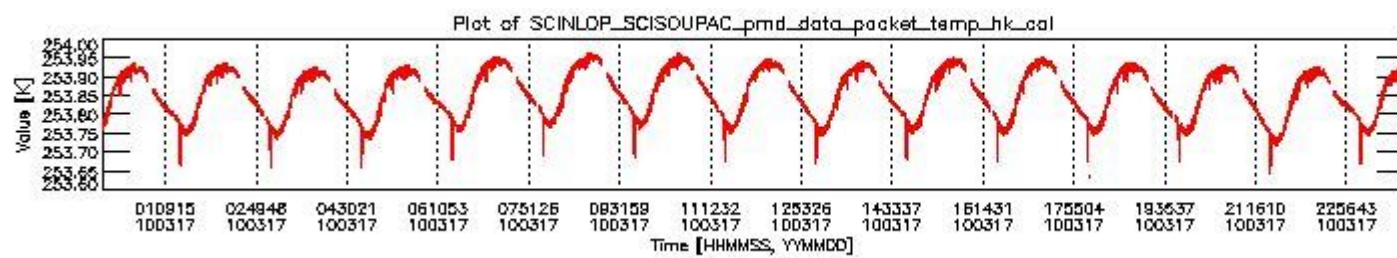
sciamachy_daily_report_level0_KSPT_L0_4303_N_20100317_0.PNG



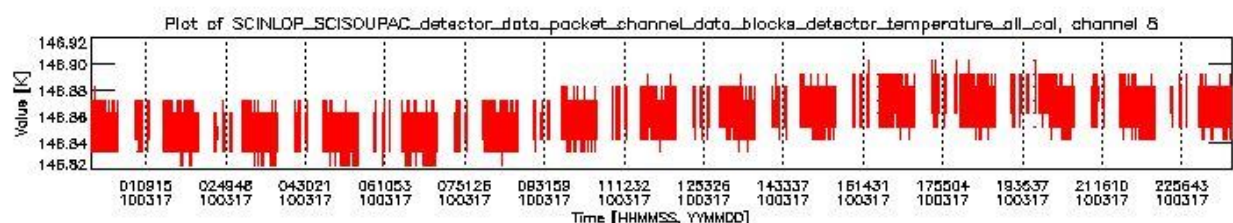
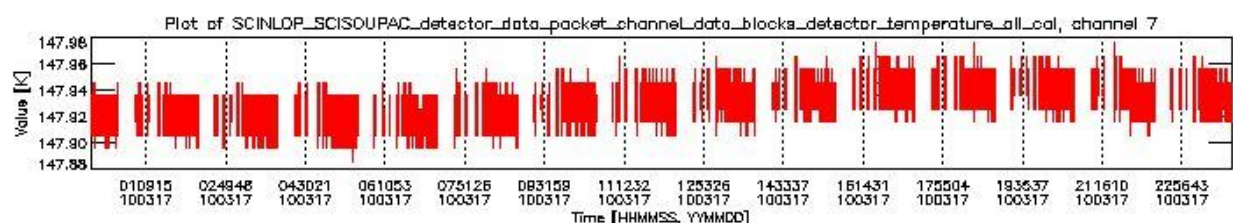
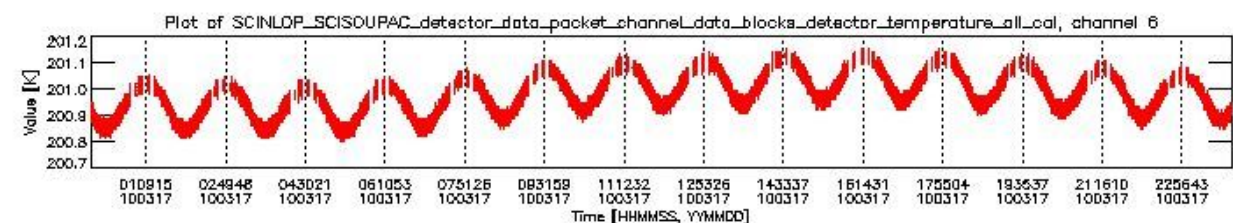
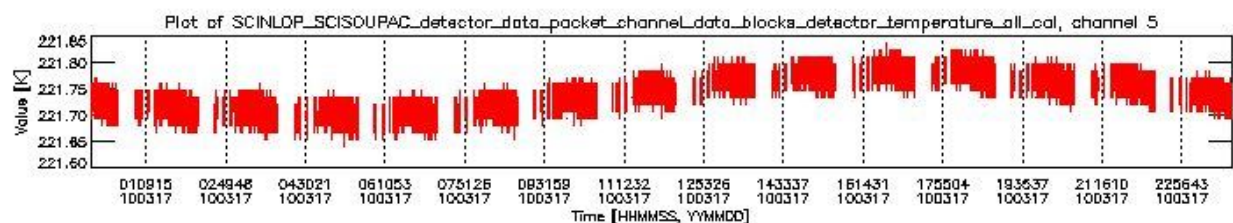
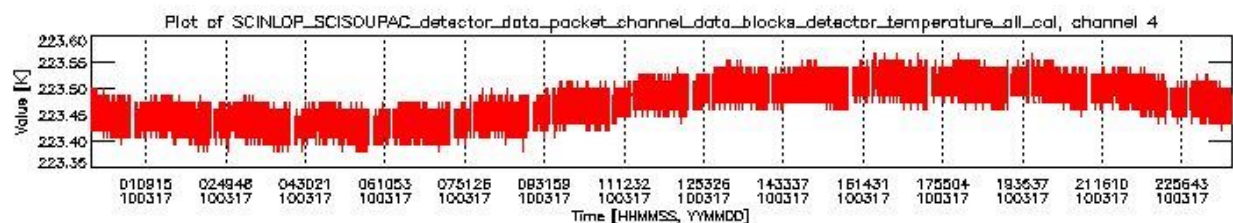
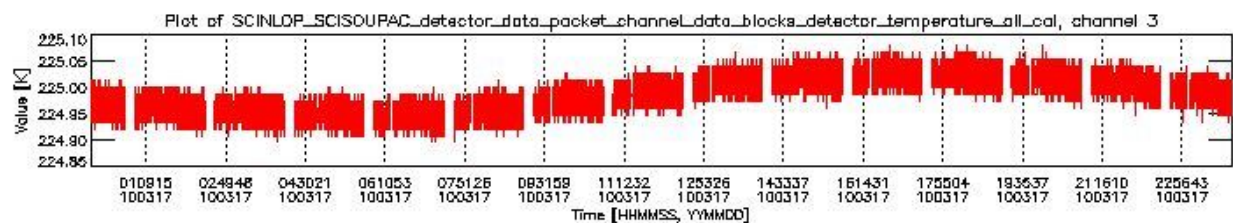
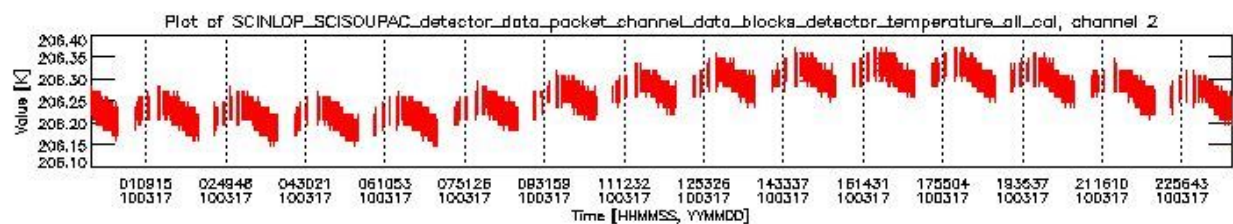
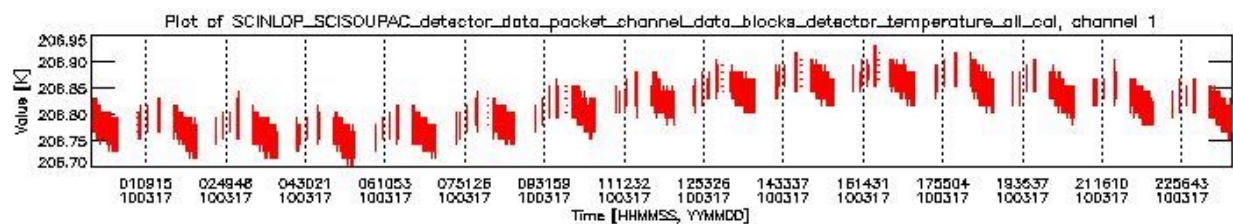
sciamachy_daily_report_level0_KSPT_L0_4303_N_20100317_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20100317_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20100317_3.PNG

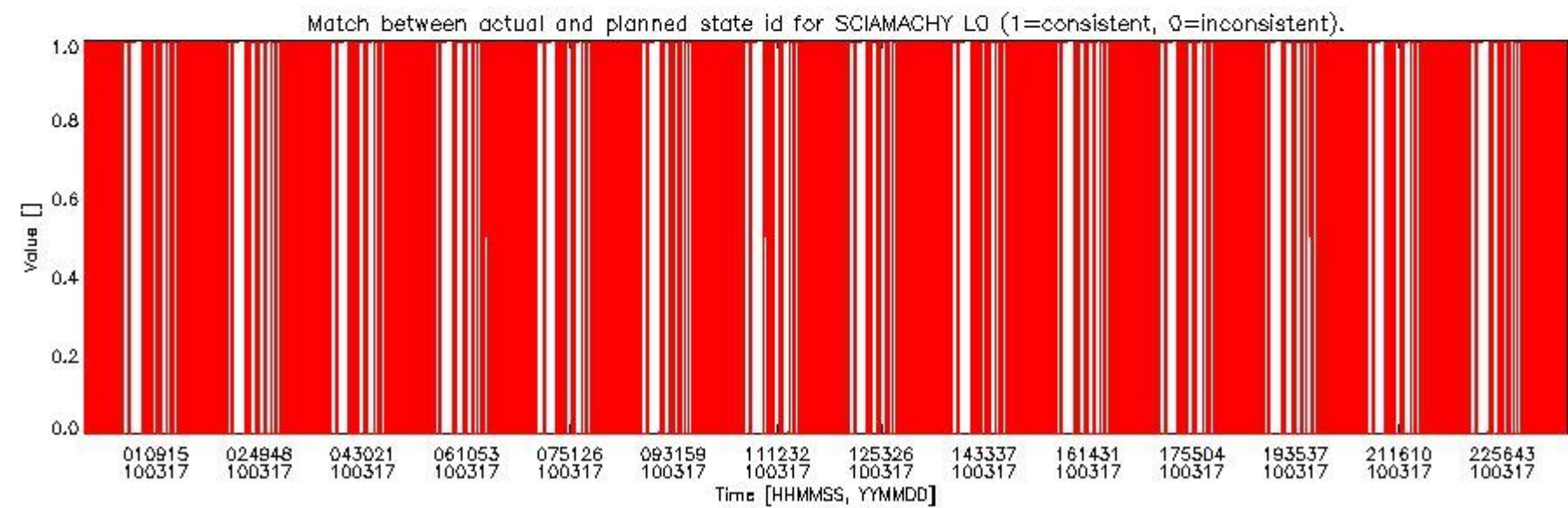
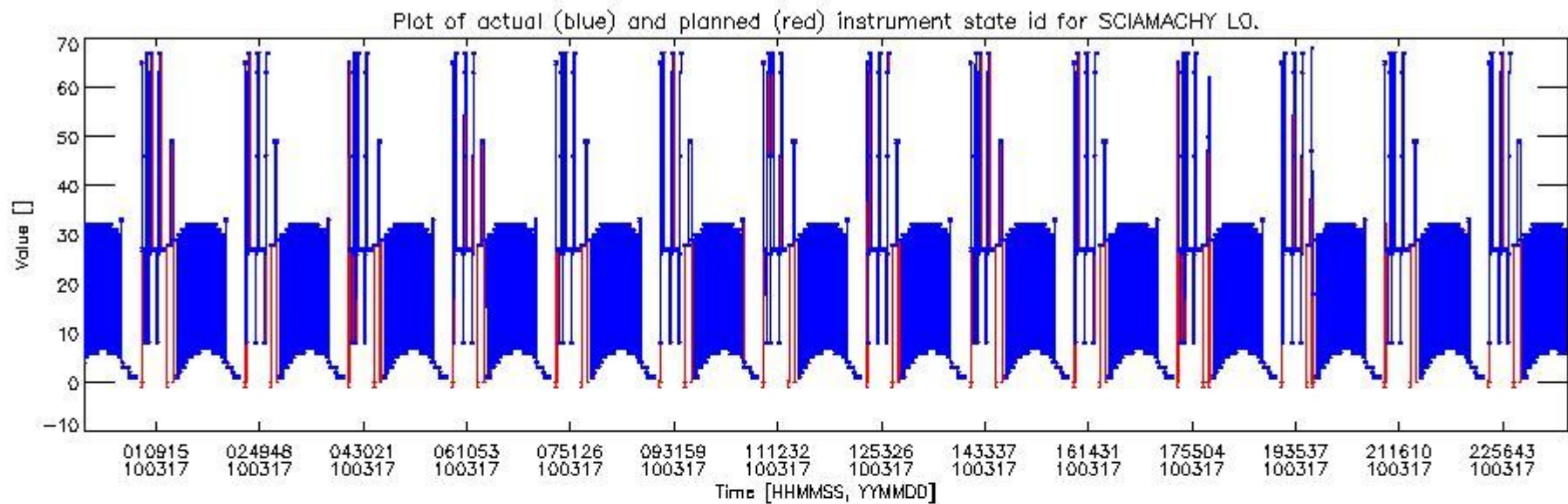


0.3 State monitoring

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: **73762**

#	Actual time	Actual value	Planned time	Planned value
0	17MAR2010 00:00:34.284271	5	17MAR2010 00:00:34.284271	32
1	17MAR2010 00:00:34.534271	5	17MAR2010 00:00:34.534271	32
2	17MAR2010 00:00:34.659271	5	17MAR2010 00:00:34.659271	32
3	17MAR2010 00:00:34.784271	5	17MAR2010 00:00:34.784271	32
4	17MAR2010 00:00:34.909271	5	17MAR2010 00:00:34.909271	32
5	17MAR2010 00:00:35.034271	5	17MAR2010 00:00:35.034271	32
6	17MAR2010 00:00:35.159271	5	17MAR2010 00:00:35.159271	32
7	17MAR2010 00:00:35.284271	5	17MAR2010 00:00:35.284271	32
8	17MAR2010 00:00:35.409271	5	17MAR2010 00:00:35.409271	32
9	17MAR2010 00:00:35.534271	5	17MAR2010 00:00:35.534271	32
10	17MAR2010 00:00:35.659271	5	17MAR2010 00:00:35.659271	32
11	17MAR2010 00:00:35.784271	5	17MAR2010 00:00:35.784271	32
12	17MAR2010 00:00:35.909271	5	17MAR2010 00:00:35.909271	32
13	17MAR2010 00:00:36.034271	5	17MAR2010 00:00:36.034271	32
14	17MAR2010 00:00:36.159271	5	17MAR2010 00:00:36.159271	32
15	17MAR2010 00:00:36.284271	5	17MAR2010 00:00:36.284271	32
16	17MAR2010 00:00:36.409271	5	17MAR2010 00:00:36.409271	32
17	17MAR2010 00:00:36.534271	5	17MAR2010 00:00:36.534271	32
18	17MAR2010 00:00:36.659271	5	17MAR2010 00:00:36.659271	32
19	17MAR2010 00:00:36.784271	5	17MAR2010 00:00:36.784271	32
...

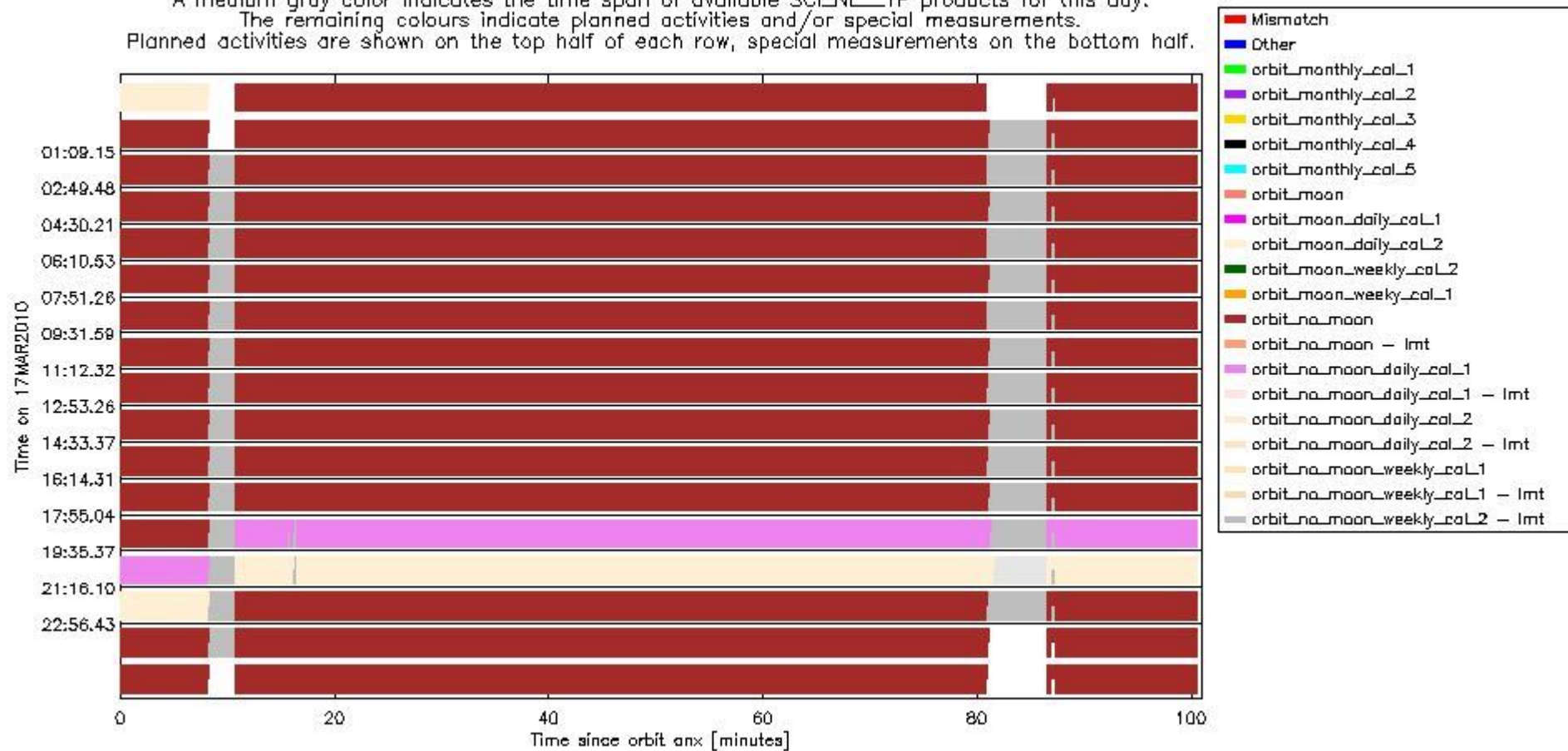


sciamachy_daily_report_level0_KSPT_L0_4303_N_20100317_5.PNG

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 17MAR2010.
 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_20100317_6.PNG

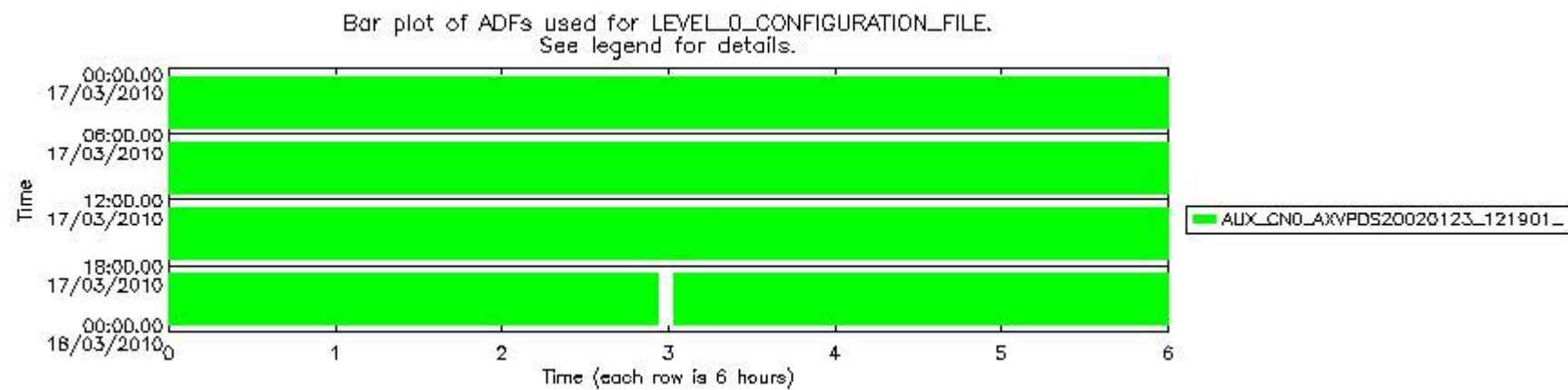
0.4 ADF monitoring

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

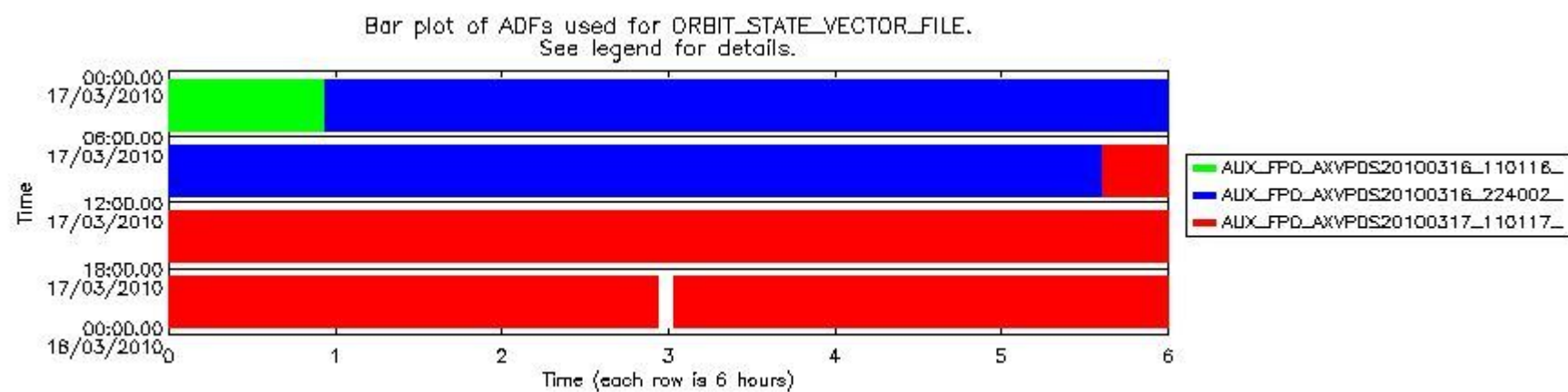
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

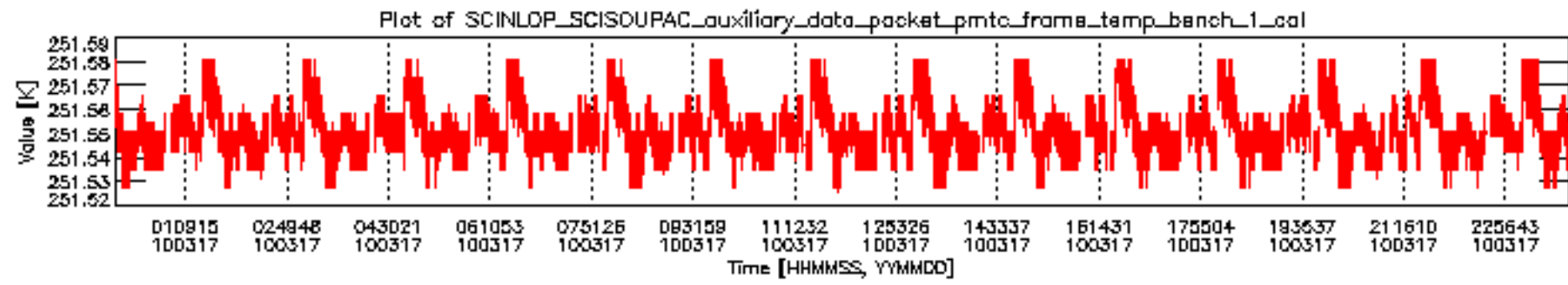
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100316_110116_20100315_185817_20100325_202431
2	AUX_FPO_AXVPDS20100316_224002_20100316_182640_20100326_213330
3	AUX_FPO_AXVPDS20100317_110117_20100317_093204_20100326_195254

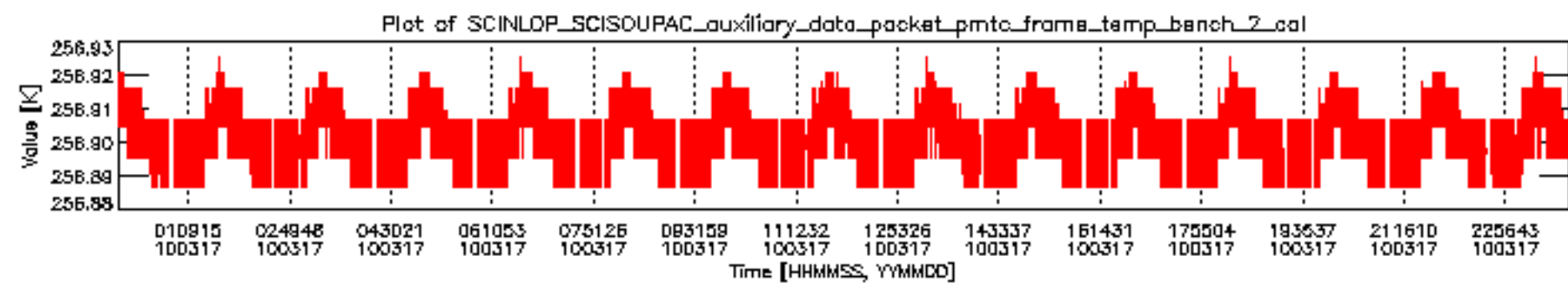


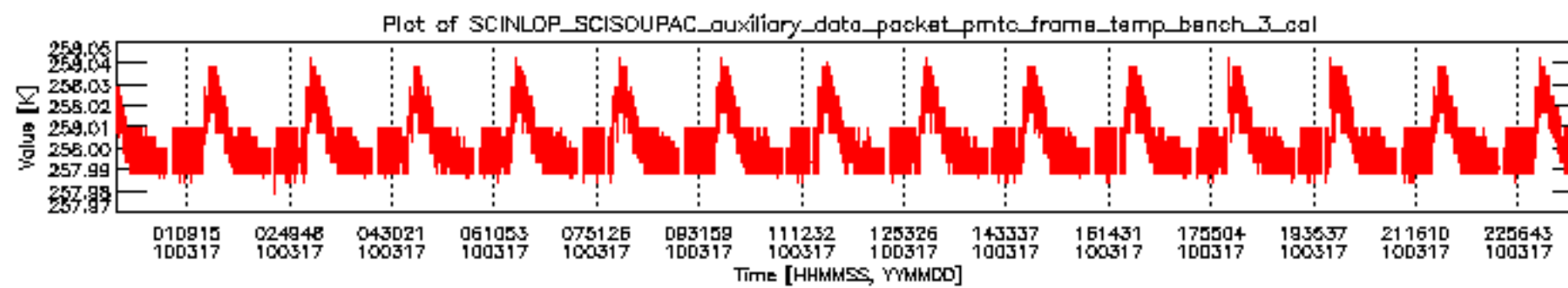
sciamachy_daily_report_level0_KSPT_L0_4303_N_20100317_7.PNG

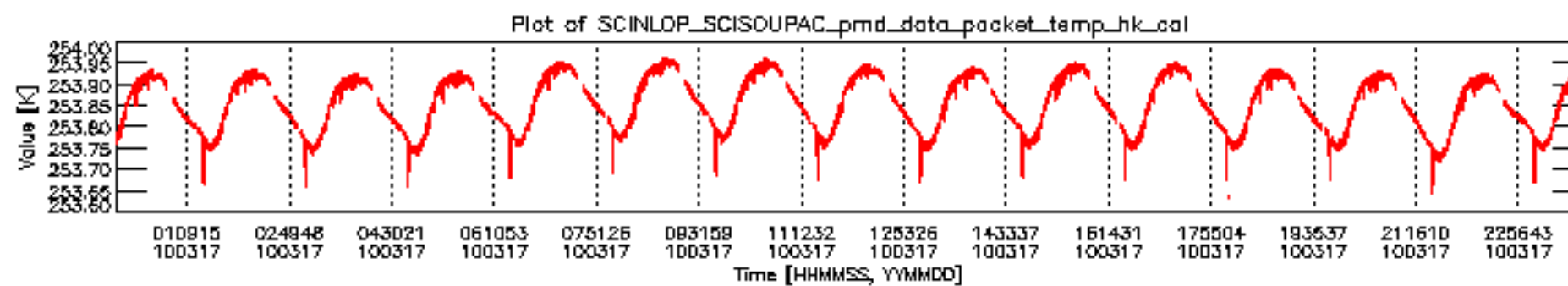


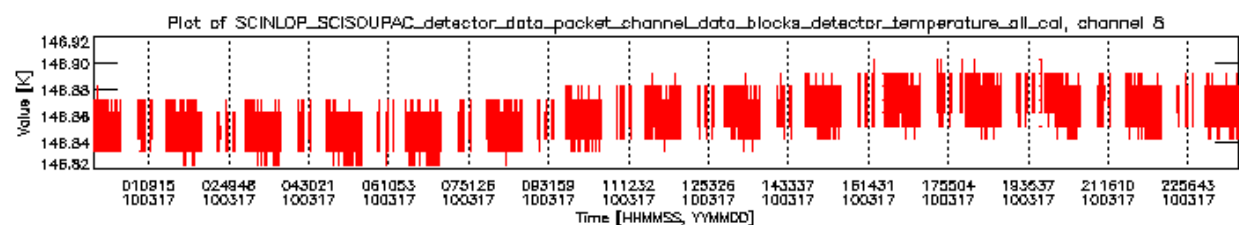
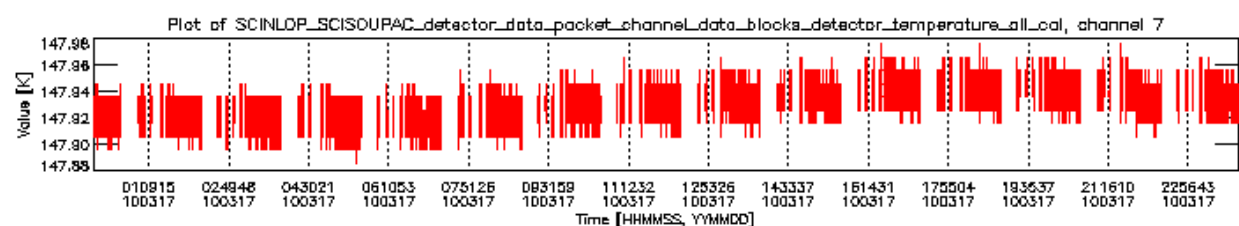
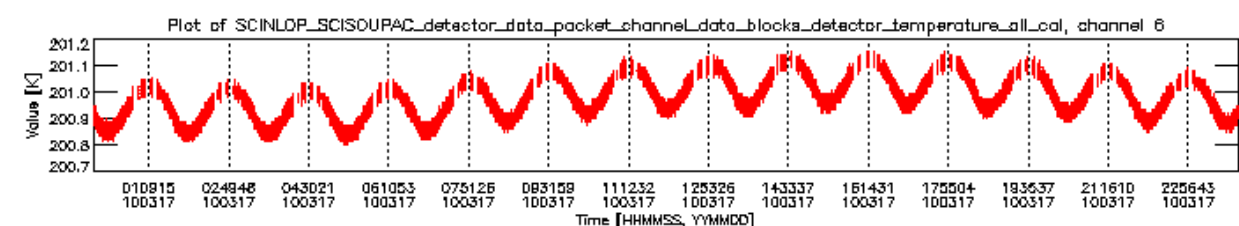
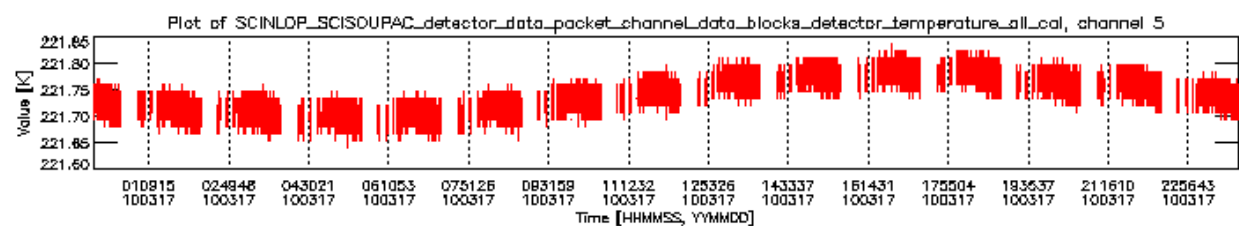
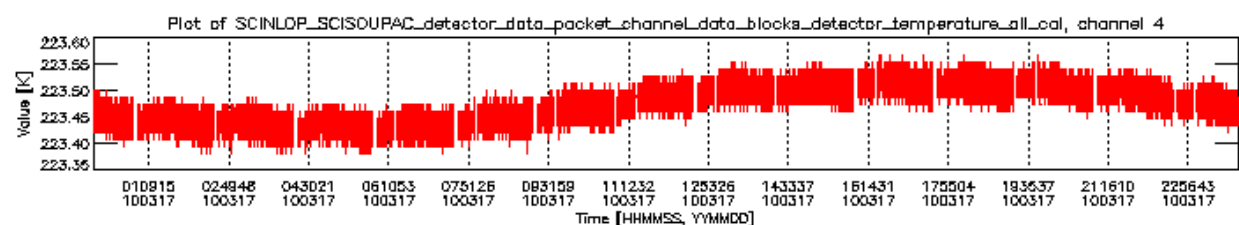
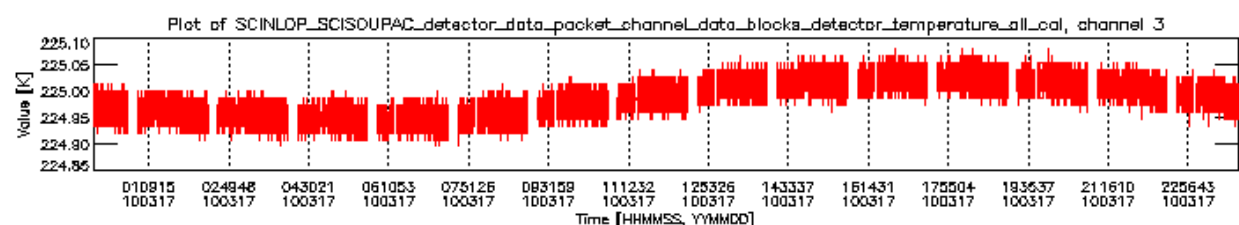
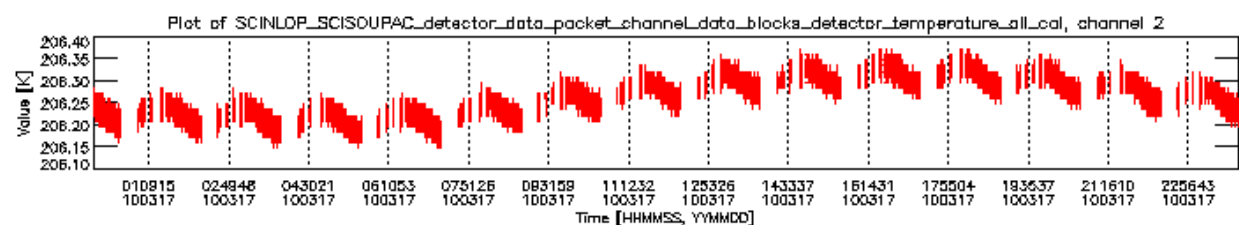
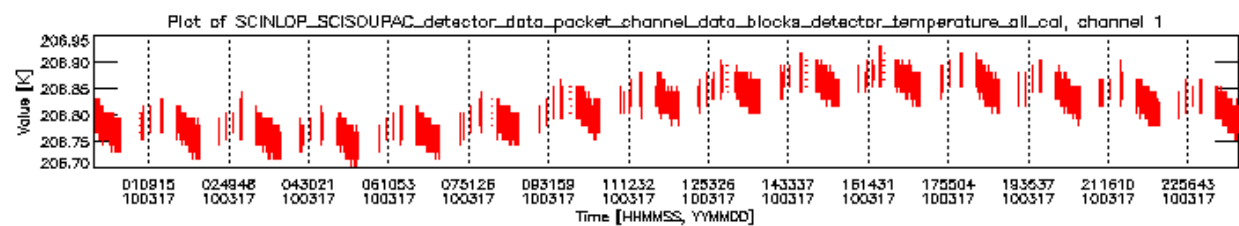
sciamachy_daily_report_level0_KSPT_L0_4303_N_20100317_8.PNG

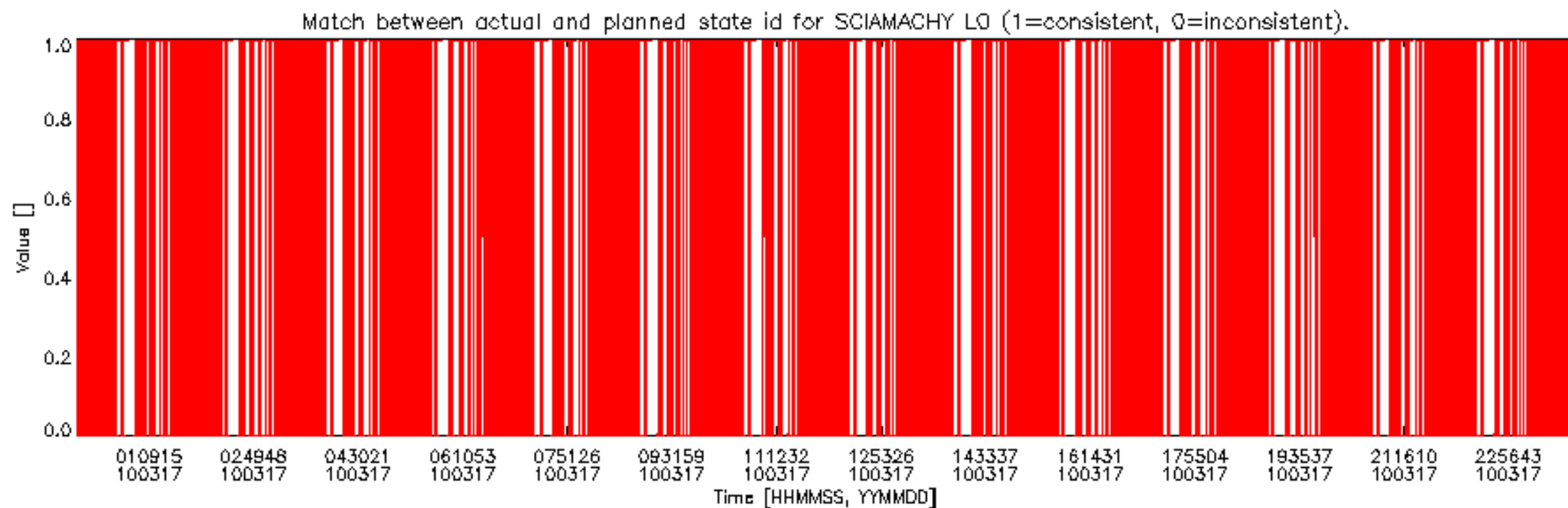
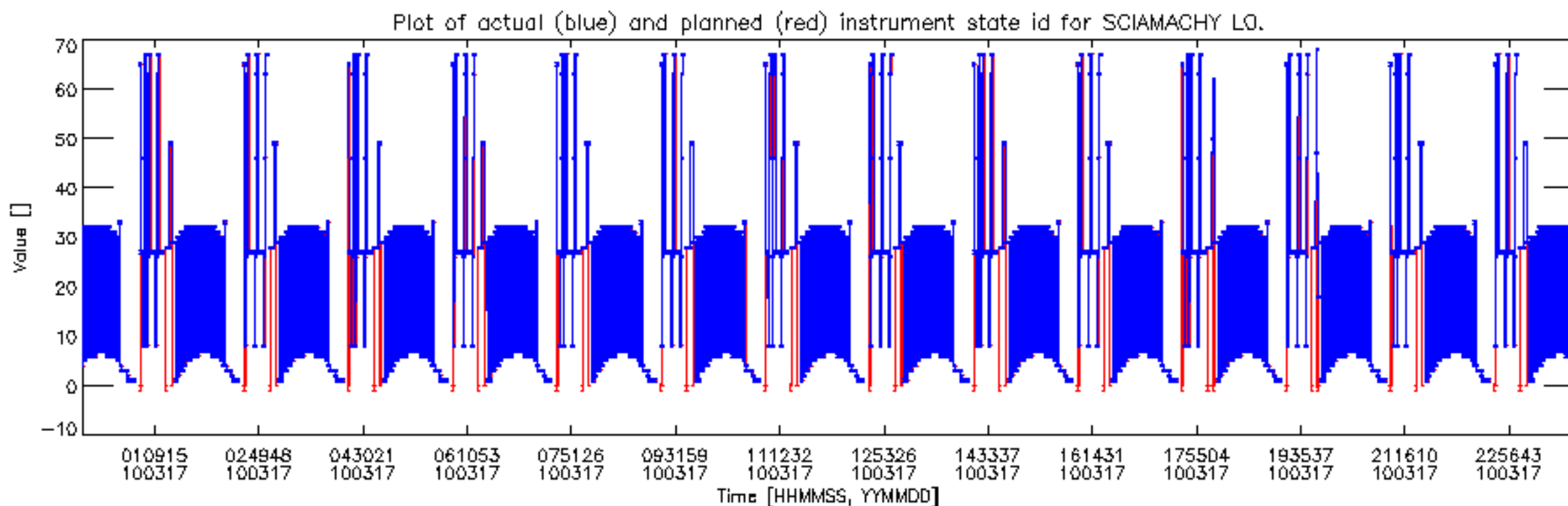




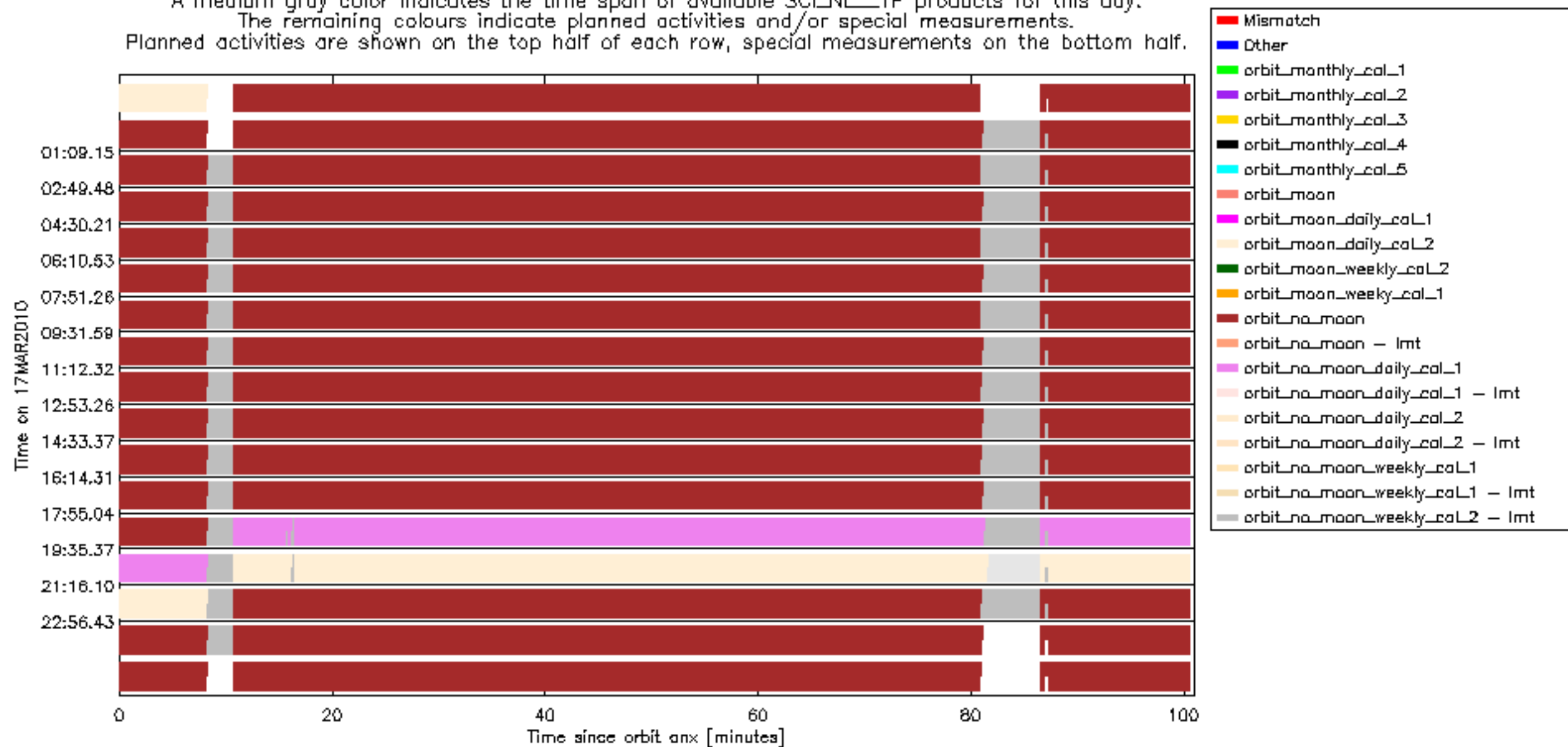


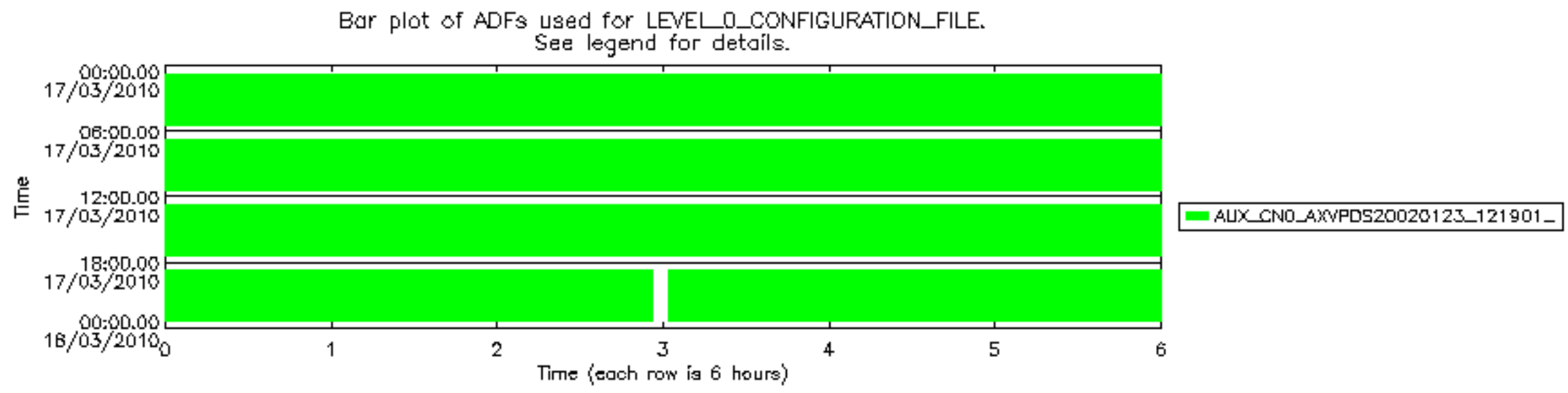






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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

