

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	v1.4 20100407
Time of report generation	23OCT2010 03:04:37
Data source version	<Any version>
Processing scope for products	16OCT2010 00:00:00 to 17OCT2010 00:00:00
Start time of first product within scope	16OCT2010 01:02:49
Stop time of last product within scope	17OCT2010 00:32:02
Total number of Level 0 products	15
Number of Level 0 products with errors	1

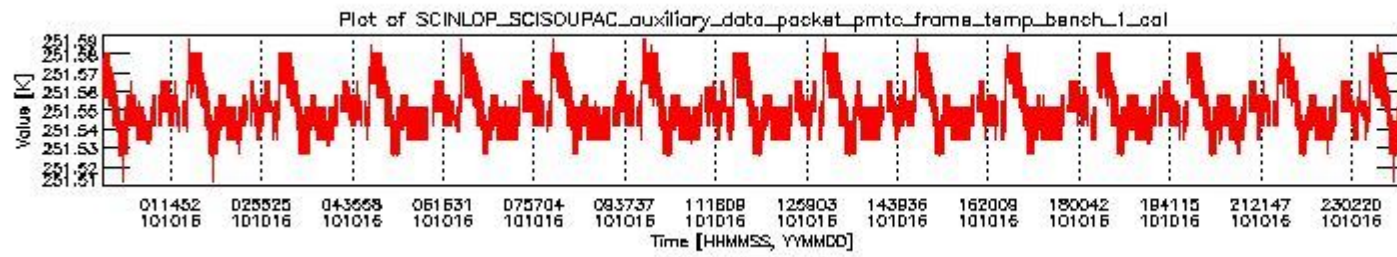
0.1.2 Summary per product

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

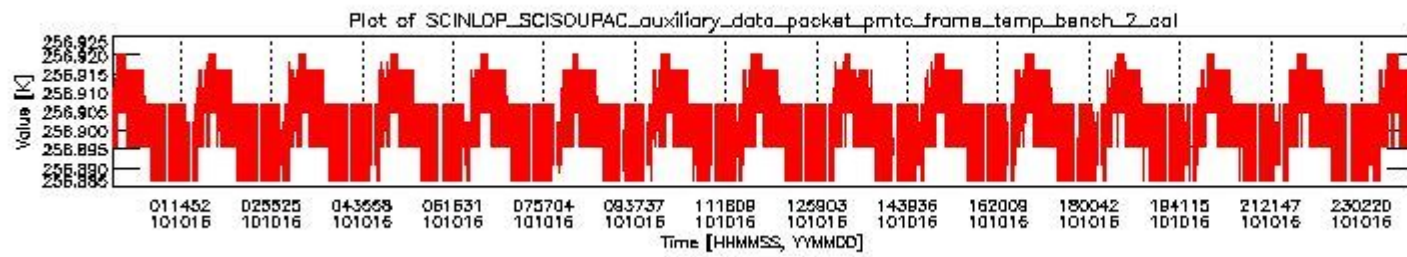
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20101016_010249_000095452093_00460_45103_1739.N1	16OCT2010 01:02:49	16OCT2010 03:41:54	0	0	0	0	0
1	SCI_NL__OPNPDE20101016_024325_000035092093_00461_45104_1742.N1	16OCT2010 02:43:25	16OCT2010 03:41:54	0	0	0	0	0
2	SCI_NL__OPNPDE20101016_034045_000069632093_00462_45105_1740.N1	16OCT2010 03:40:45	16OCT2010 05:36:48	0	0	0	0	0
3	SCI_NL__OPNPDE20101016_053553_000061052093_00463_45106_1743.N1	16OCT2010 05:35:53	16OCT2010 07:17:38	0	0	0	0	0
4	SCI_NL__OPNPDK20101016_071629_000040462093_00464_45107_2761.N1	16OCT2010 07:16:29	16OCT2010 08:23:55	0	0	0	0	0
5	SCI_NL__OPNPDK20101016_082246_000060492093_00465_45108_2762.N1	16OCT2010 08:22:46	16OCT2010 10:03:35	0	0	0	0	0
6	SCI_NL__OPNPDK20101016_100227_000061612093_00466_45109_2763.N1	16OCT2010 10:02:27	16OCT2010 11:45:07	0	0	0	0	0
7	SCI_NL__OPNPDK20101016_114303_000059812093_00467_45110_2764.N1	16OCT2010 11:43:03	16OCT2010 13:22:43	0	0	0	0	0
8	SCI_NL__OPNPDK20101016_132039_000060922093_00468_45111_2765.N1	16OCT2010 13:20:39	16OCT2010 15:02:11	0	0	0	0	0
9	SCI_NL__OPNPDK20101016_145924_000058992093_00469_45112_2766.N1	16OCT2010 14:59:24	16OCT2010 16:37:42	0	0	0	0	0
10	SCI_NL__OPNPDK20101016_163742_000059242093_00470_45113_2767.N1	16OCT2010 16:37:42	16OCT2010 18:16:26	1	1	0	0	0
11	SCI_NL__OPNPDK20101016_181530_000060922093_00471_45114_2768.N1	16OCT2010 18:15:30	16OCT2010 19:57:02	0	0	0	0	0
12	SCI_NL__OPNPDE20101016_195511_000040982093_00472_45115_1744.N1	16OCT2010 19:55:11	16OCT2010 21:03:28	0	0	0	0	0
13	SCI_NL__OPNPDE20101016_210111_000062092093_00472_45115_1745.N1	16OCT2010 21:01:11	16OCT2010 22:44:40	0	0	0	0	0
14	SCI_NL__OPNPDE20101016_225042_000060802093_00473_45116_1746.N1	16OCT2010 22:50:42	17OCT2010 00:32:02	0	0	0	0	0

0.2 Product Quality Indicators

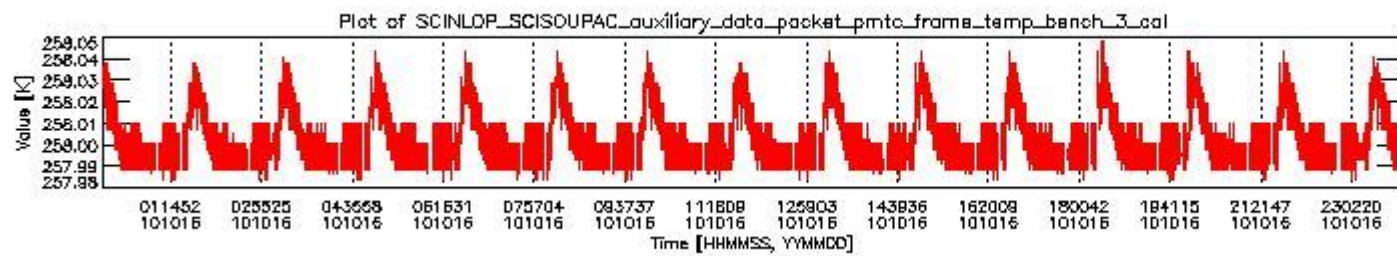
This section shows information about product quality, currently temperatures.



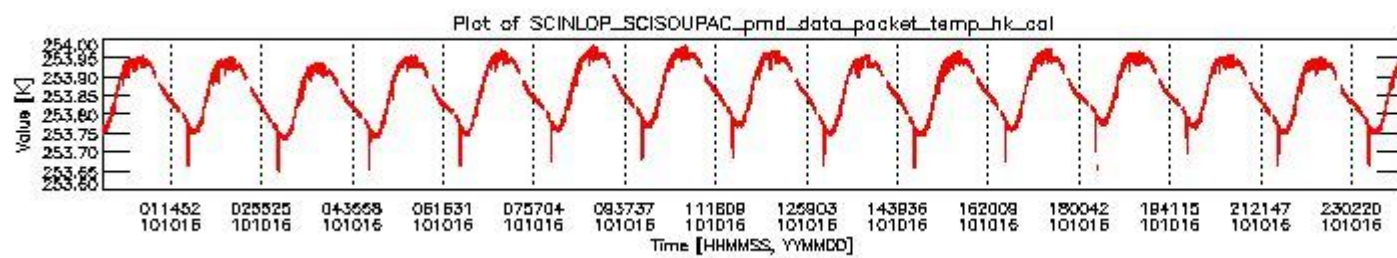
sciamachy_daily_report_level0_Any_version_20101016_0.PNG



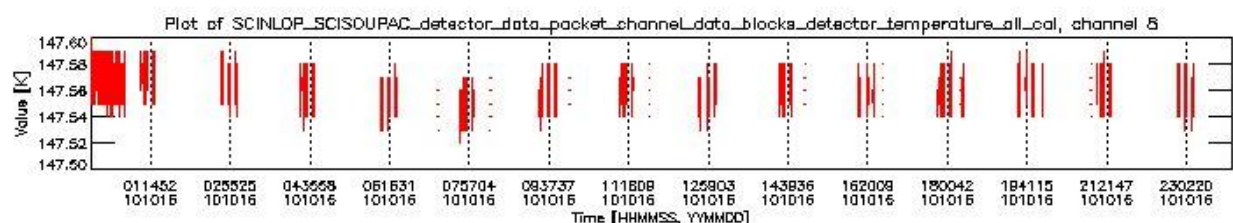
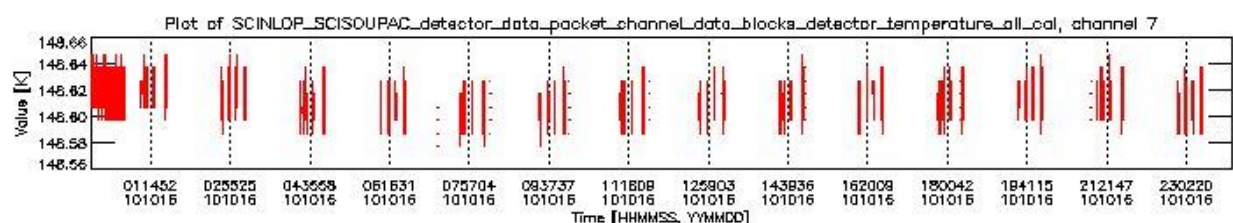
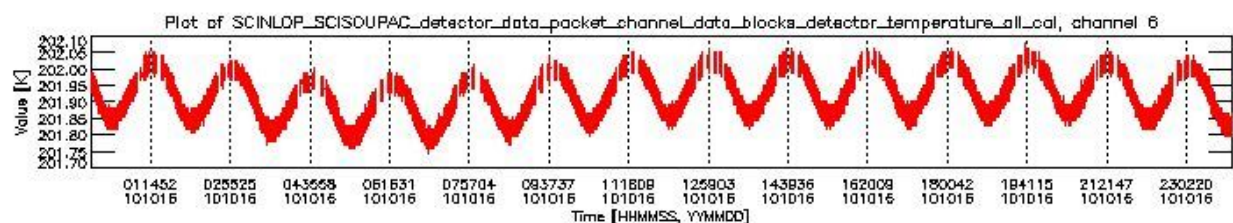
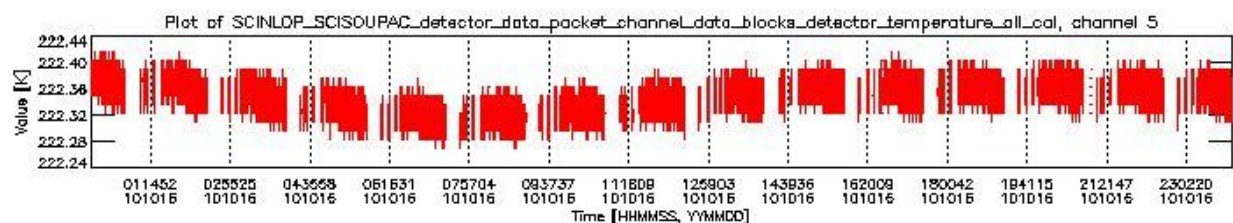
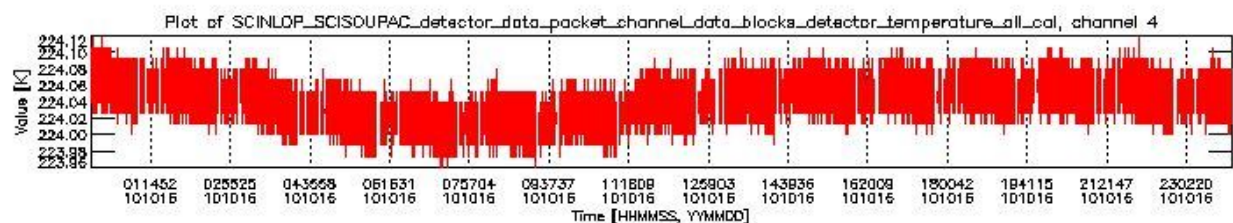
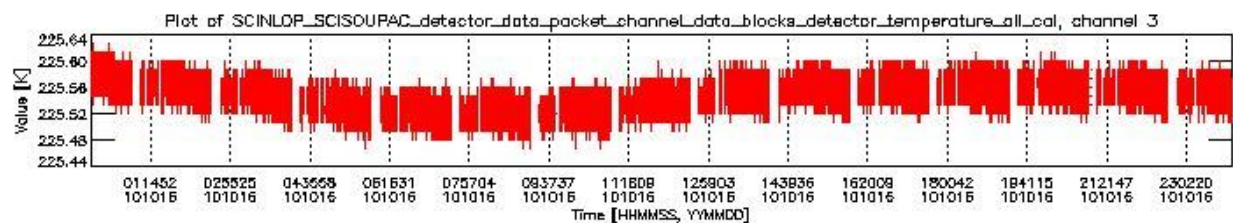
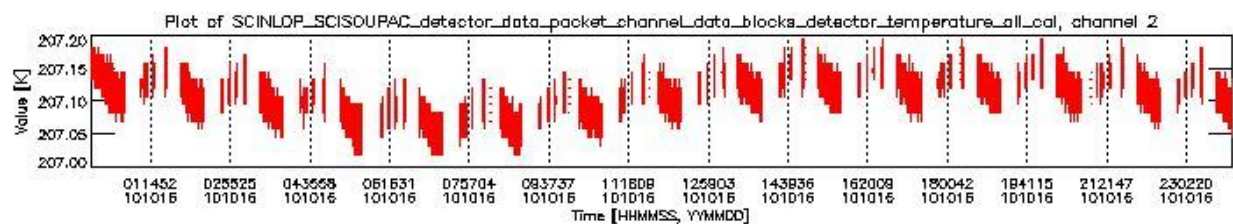
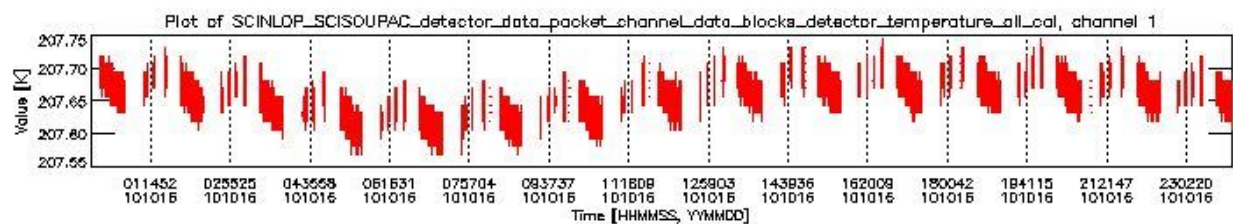
sciamachy_daily_report_level0_Any_version_20101016_1.PNG



sciamachy_daily_report_level0_Any_version_20101016_2.PNG



sciamachy_daily_report_level0_Any_version_20101016_3.PNG

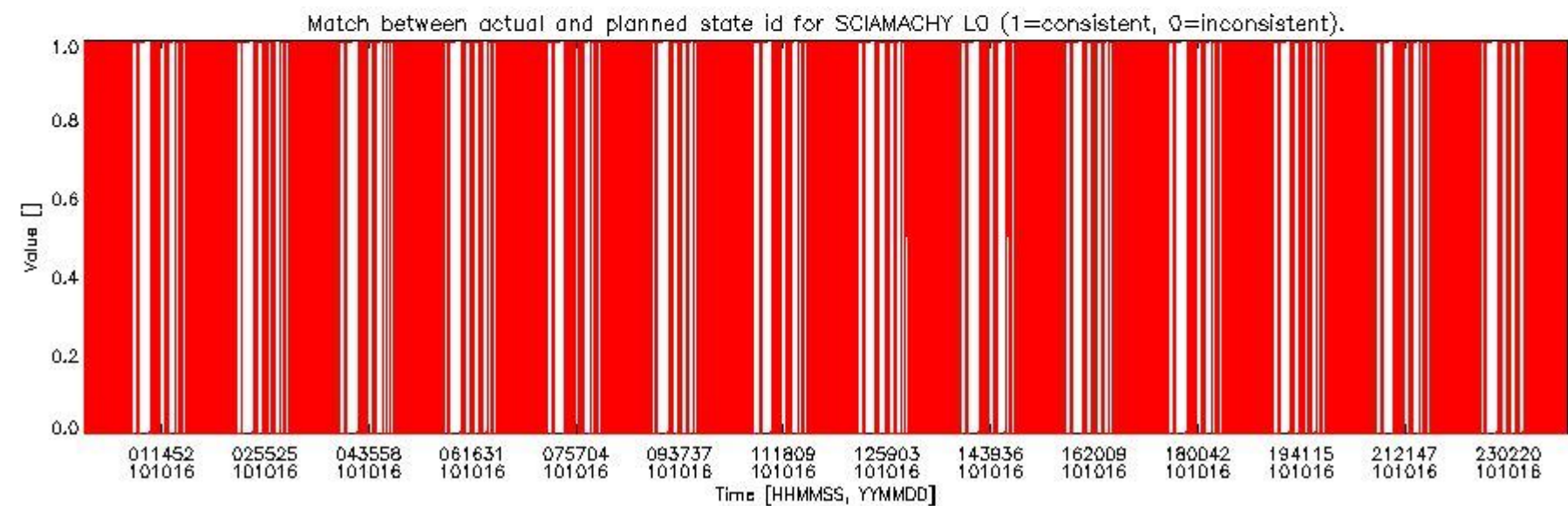
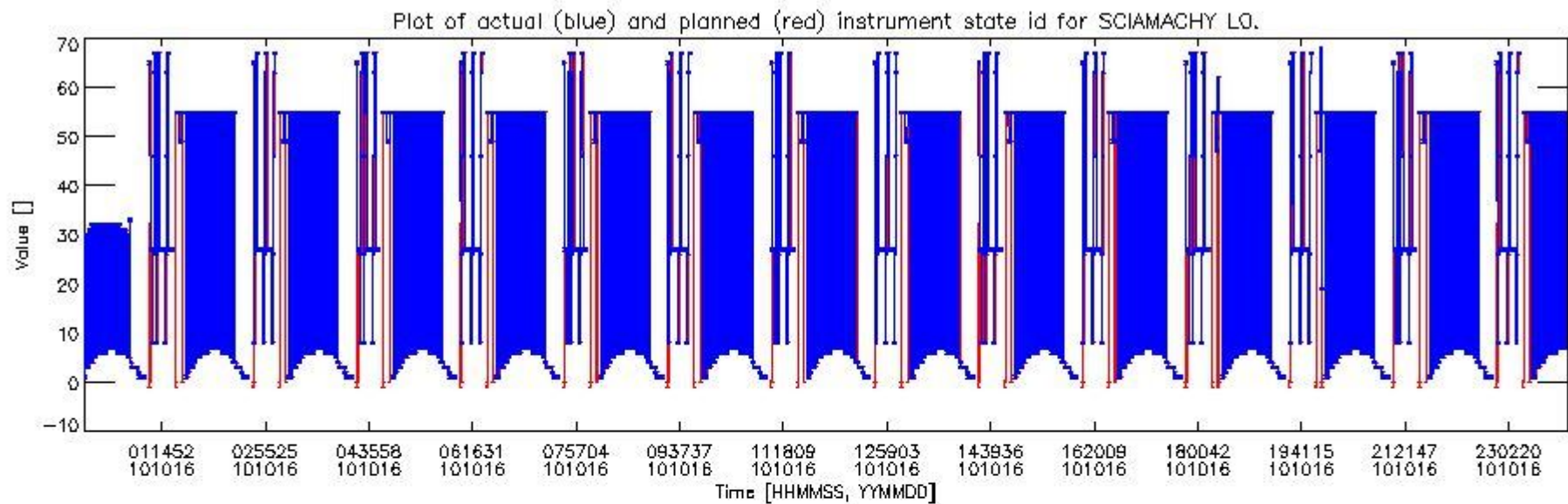


0.3 State monitoring

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: **111050**

#	Actual time	Actual value	Planned time	Planned value
0	16OCT2010 00:00:00.159034	30	16OCT2010 00:00:00.159034	1
1	16OCT2010 00:00:00.721534	30	16OCT2010 00:00:00.721534	1
2	16OCT2010 00:00:01.096534	30	16OCT2010 00:00:01.096534	1
3	16OCT2010 00:00:01.471534	30	16OCT2010 00:00:01.471534	1
4	16OCT2010 00:00:01.846534	30	16OCT2010 00:00:01.846534	1
5	16OCT2010 00:00:02.096534	30	16OCT2010 00:00:02.096534	1
6	16OCT2010 00:00:02.409034	30	16OCT2010 00:00:02.409034	1
7	16OCT2010 00:00:02.784034	30	16OCT2010 00:00:02.784034	1
8	16OCT2010 00:00:03.159034	30	16OCT2010 00:00:03.159034	1
9	16OCT2010 00:00:03.534034	30	16OCT2010 00:00:03.534034	1
10	16OCT2010 00:00:04.096534	30	16OCT2010 00:00:04.096534	1
11	16OCT2010 00:00:04.471534	30	16OCT2010 00:00:04.471534	1
12	16OCT2010 00:00:04.846534	30	16OCT2010 00:00:04.846534	1
13	16OCT2010 00:00:05.221534	30	16OCT2010 00:00:05.221534	1
14	16OCT2010 00:00:05.784034	30	16OCT2010 00:00:05.784034	1
15	16OCT2010 00:00:06.159034	30	16OCT2010 00:00:06.159034	1
16	16OCT2010 00:00:06.534034	30	16OCT2010 00:00:06.534034	1
17	16OCT2010 00:00:06.909034	30	16OCT2010 00:00:06.909034	1
18	16OCT2010 00:00:07.096534	30	16OCT2010 00:00:07.096534	1
19	16OCT2010 00:00:07.471534	30	16OCT2010 00:00:07.471534	1
...

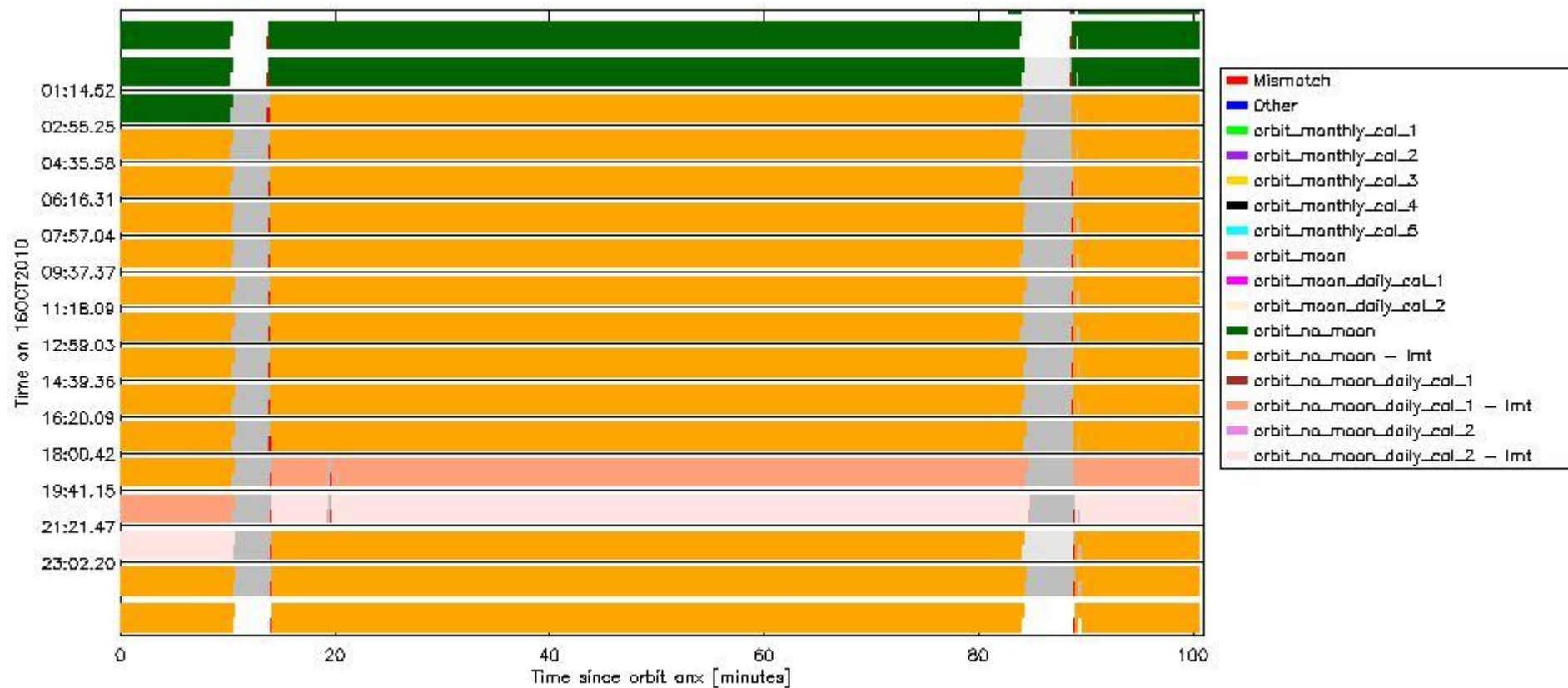


sciamachy_daily_report_level0_Any_version_20101016_5.PNG

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 16OCT2010.
 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_Any_version_20101016_6.PNG

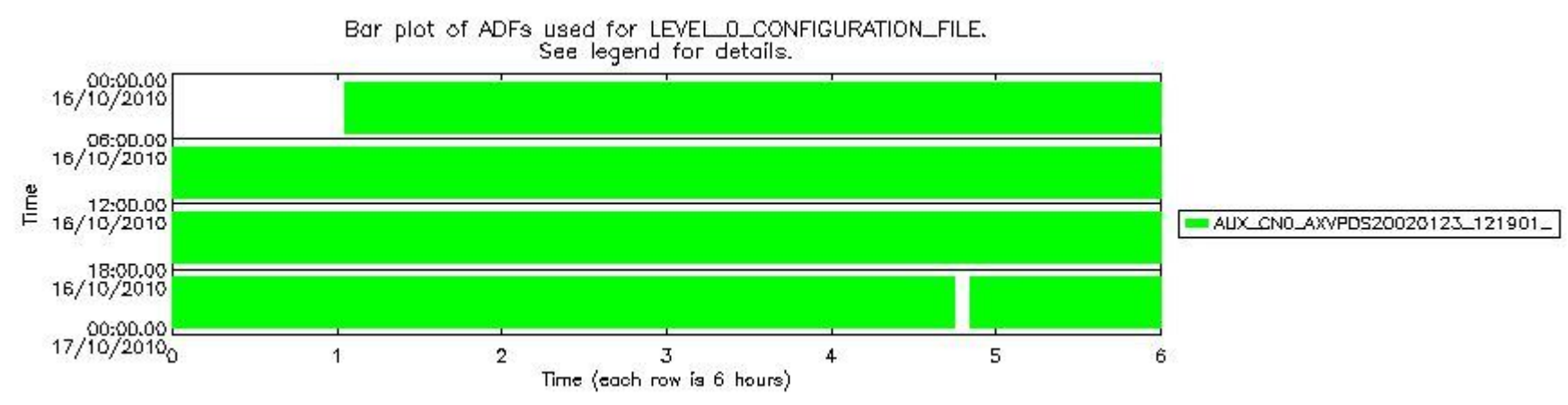
0.4 ADF monitoring

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

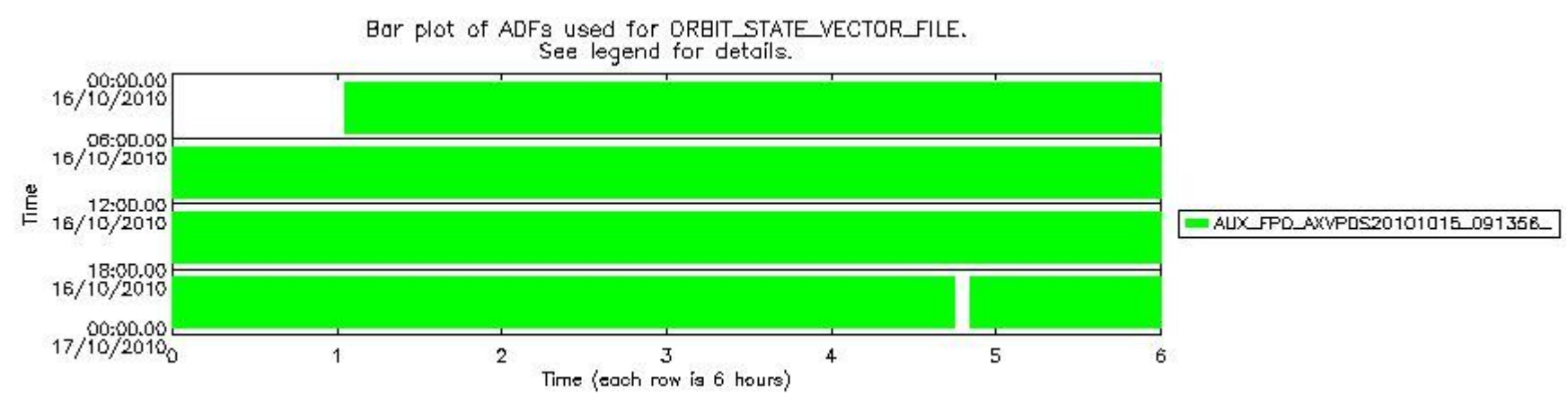
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

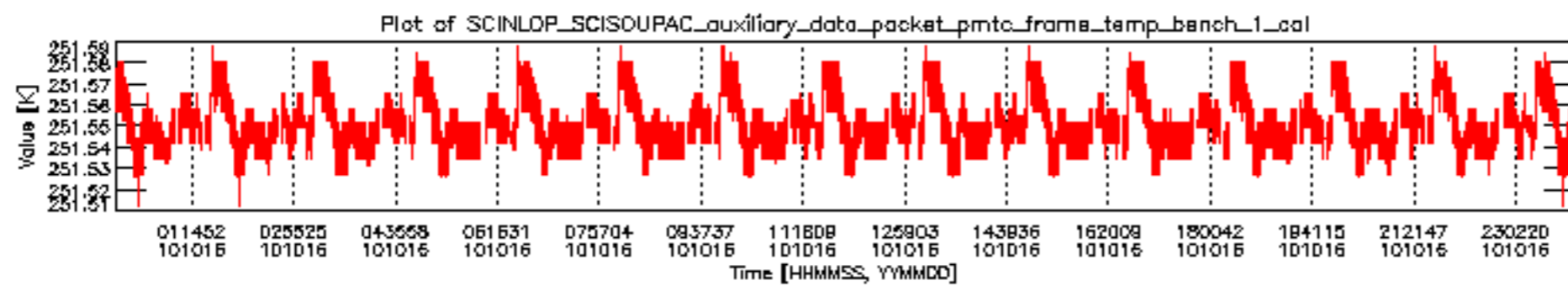
Number	ADF
	CNO (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20101015_091356_20101014_190356_20101024_203007

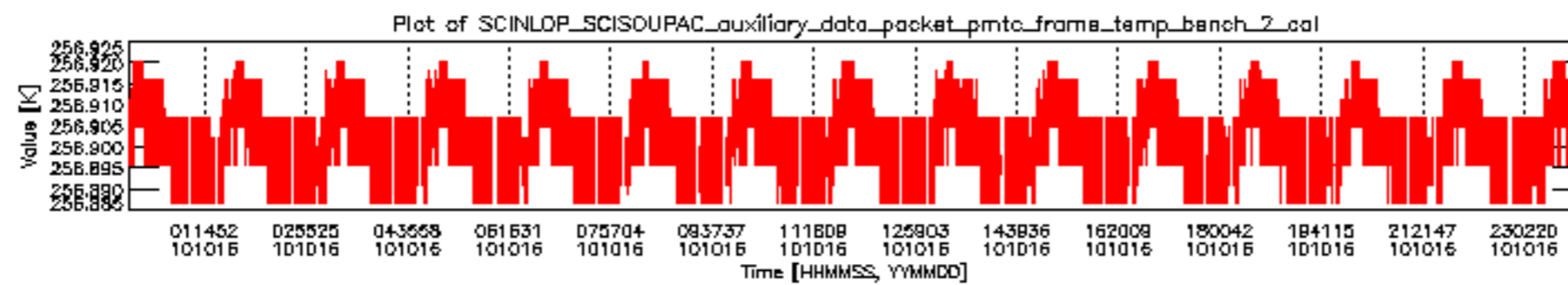


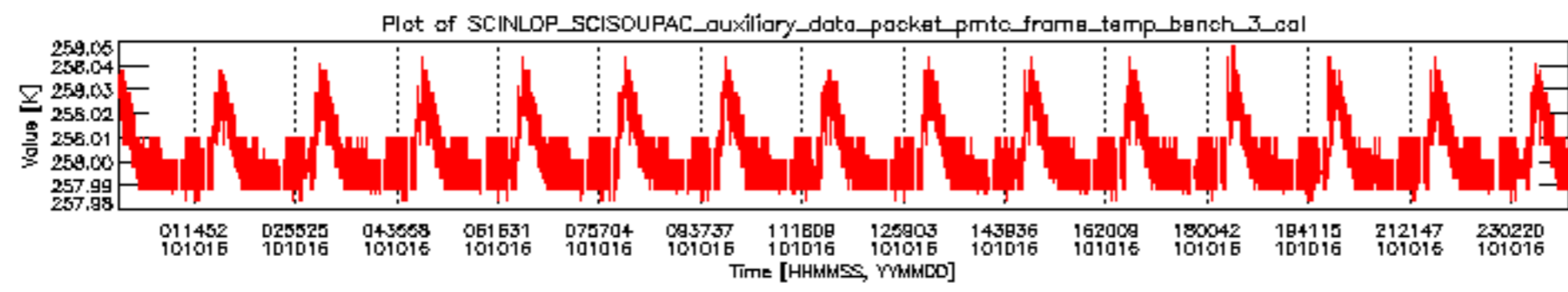
sciamachy_daily_report_level0_Any_version_20101016_7.PNG

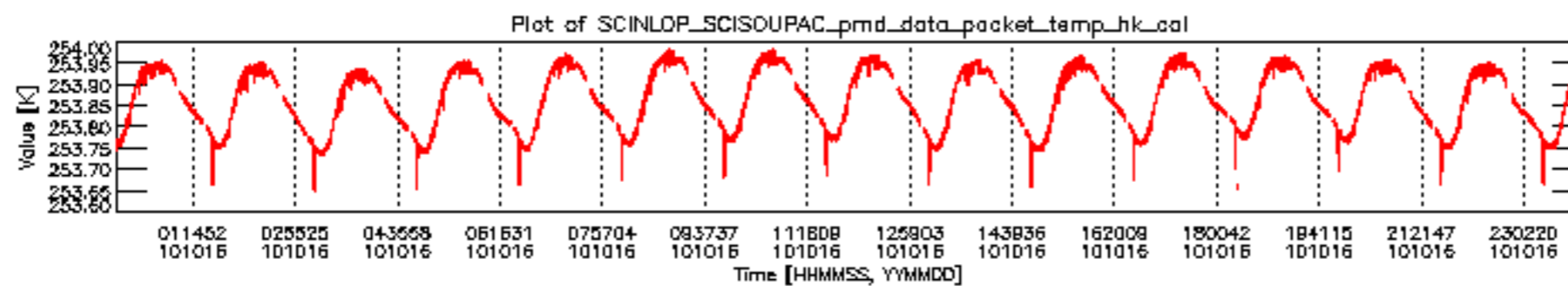


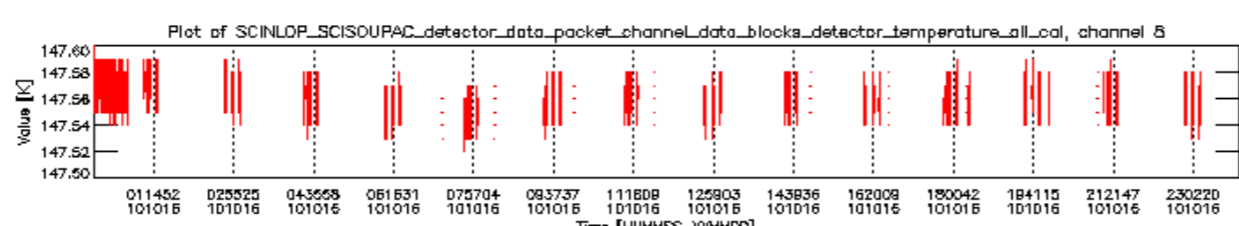
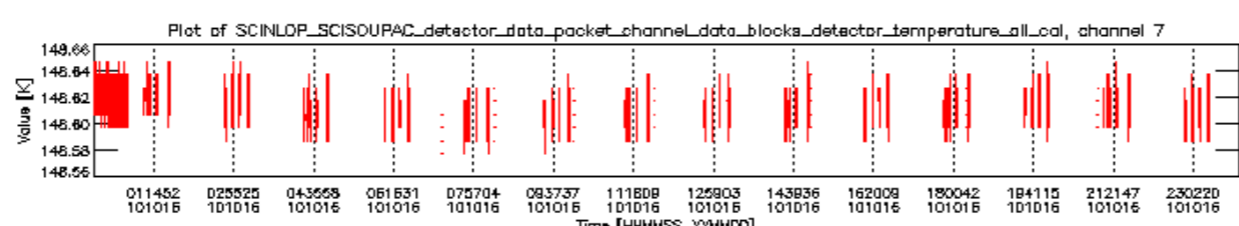
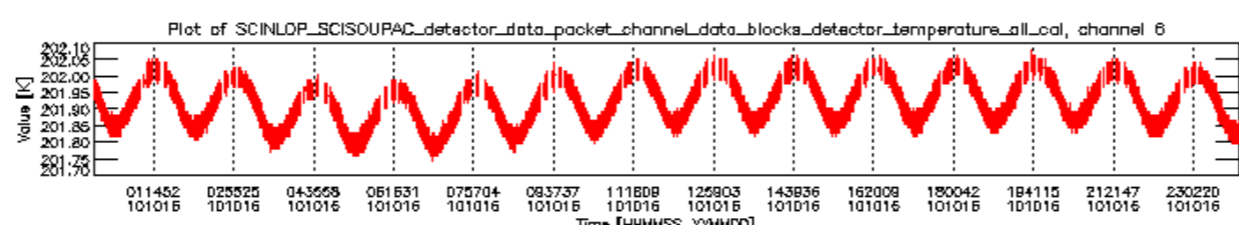
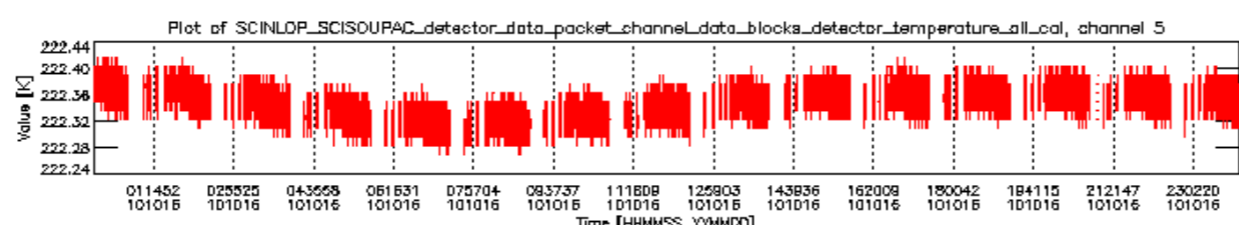
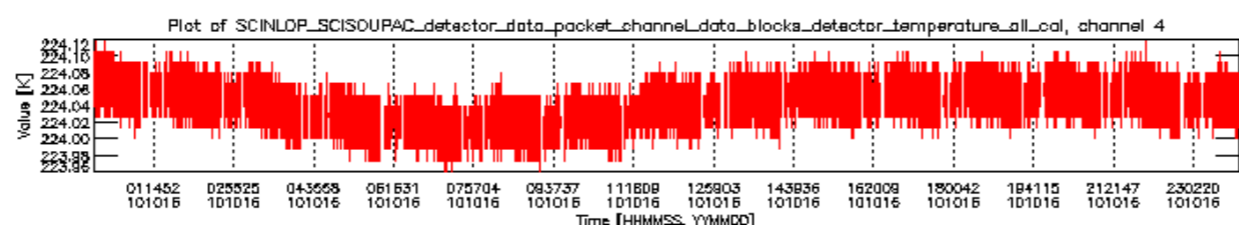
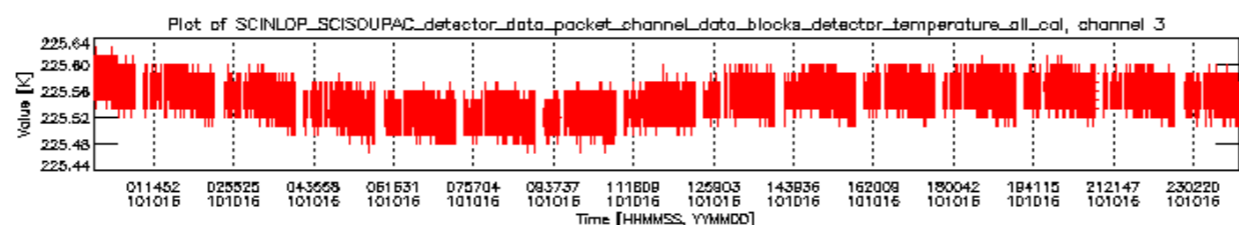
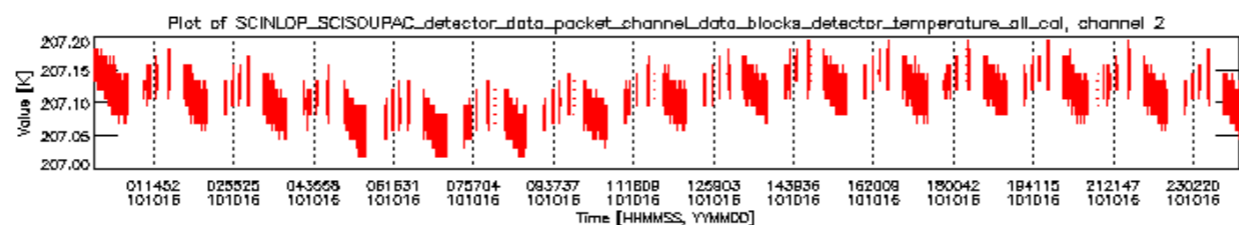
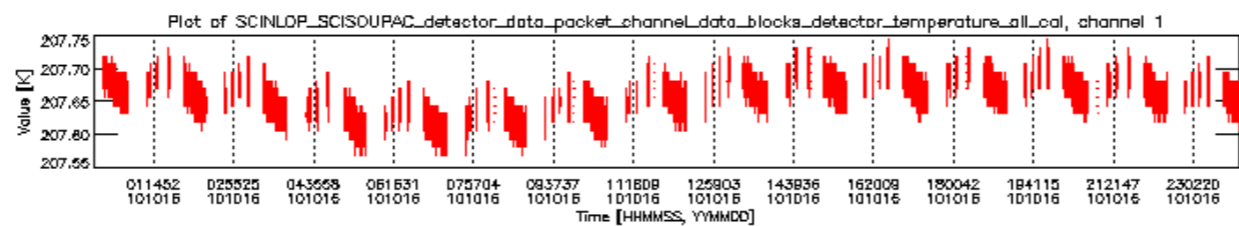
sciamachy_daily_report_level0_Any_version_20101016_8.PNG

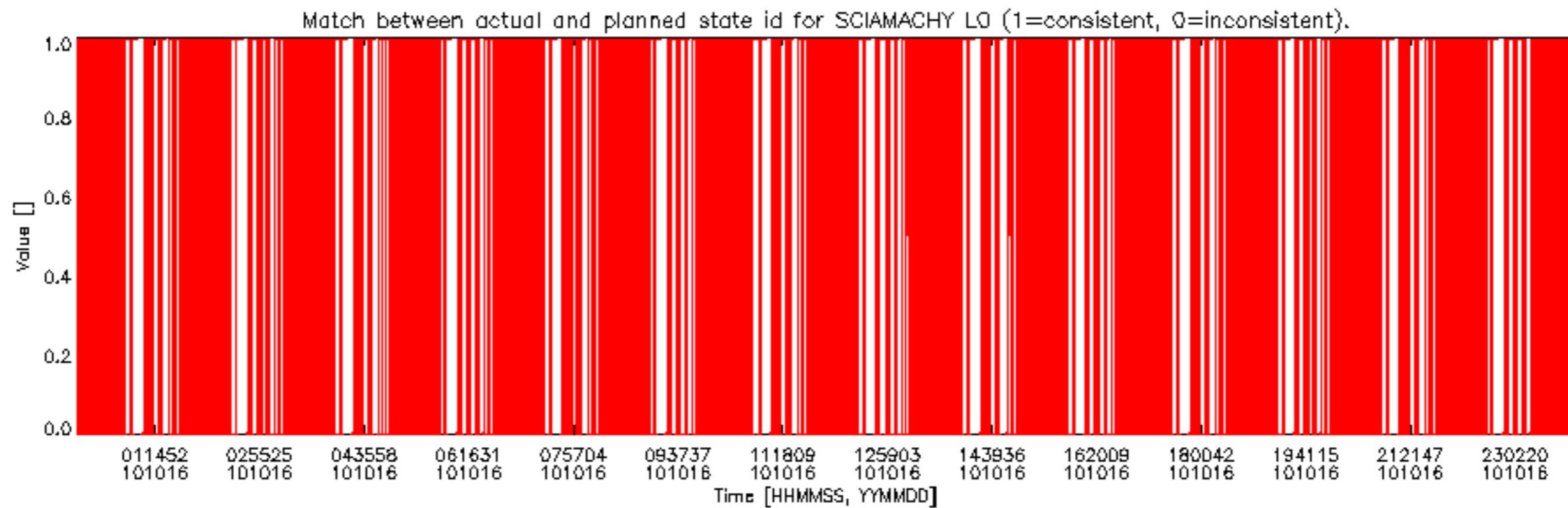
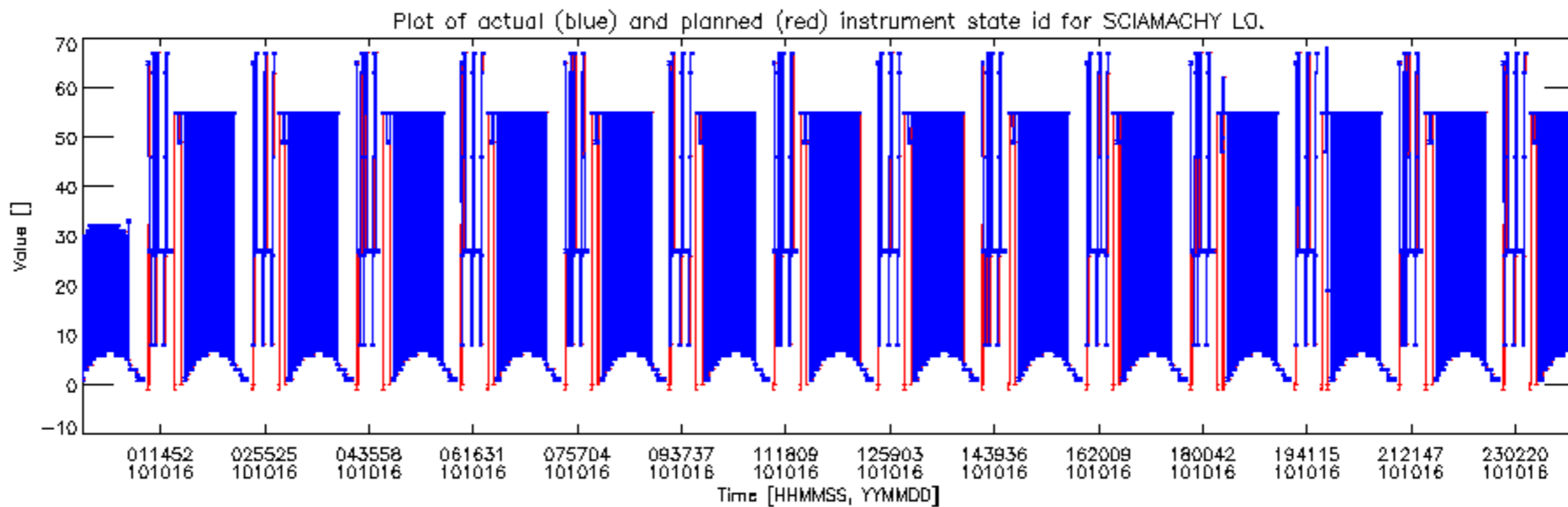




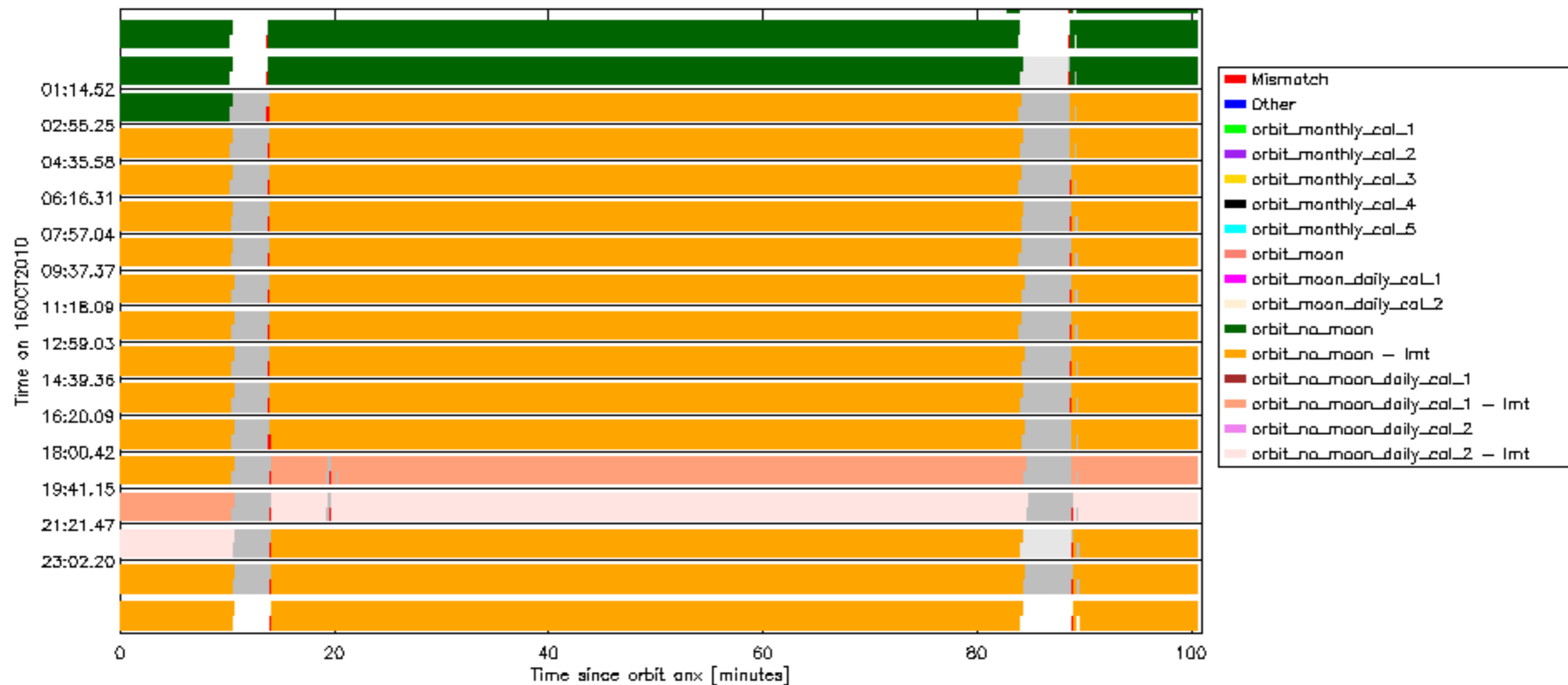


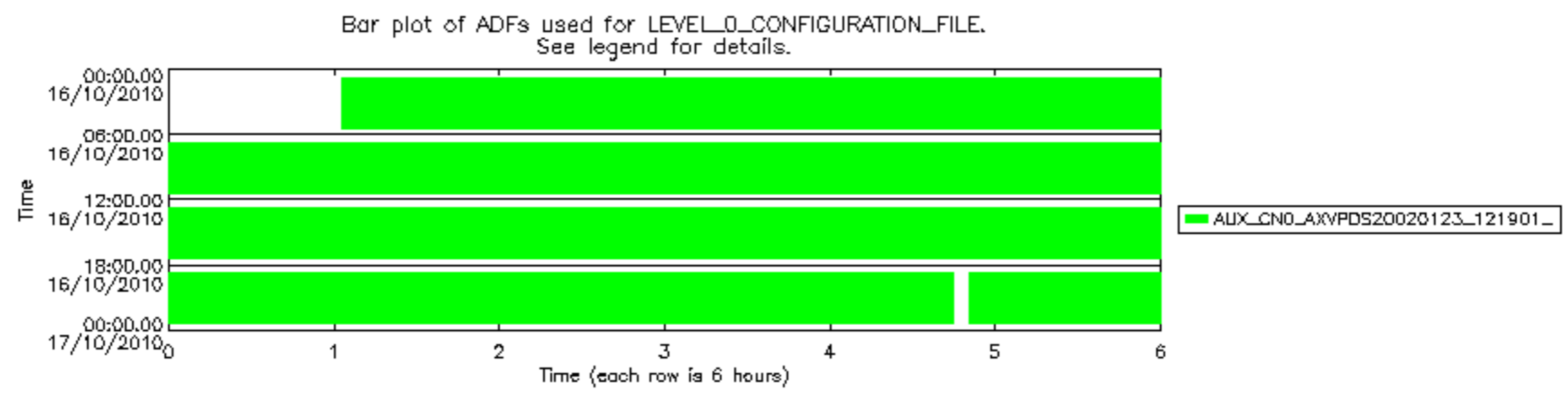


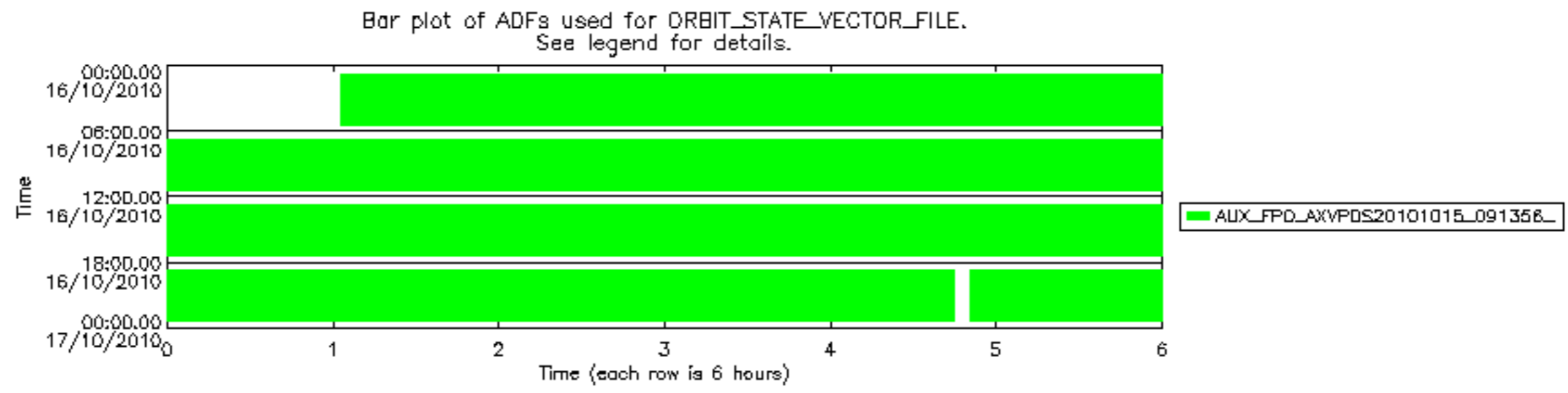


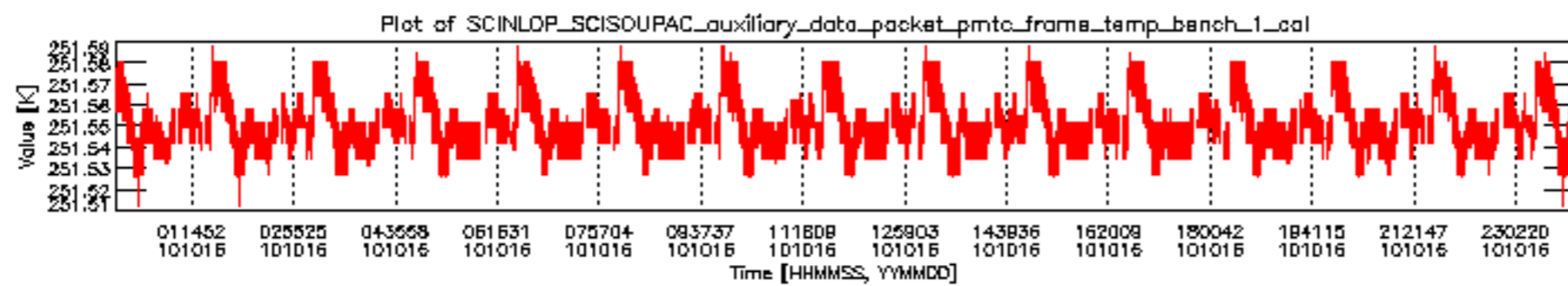


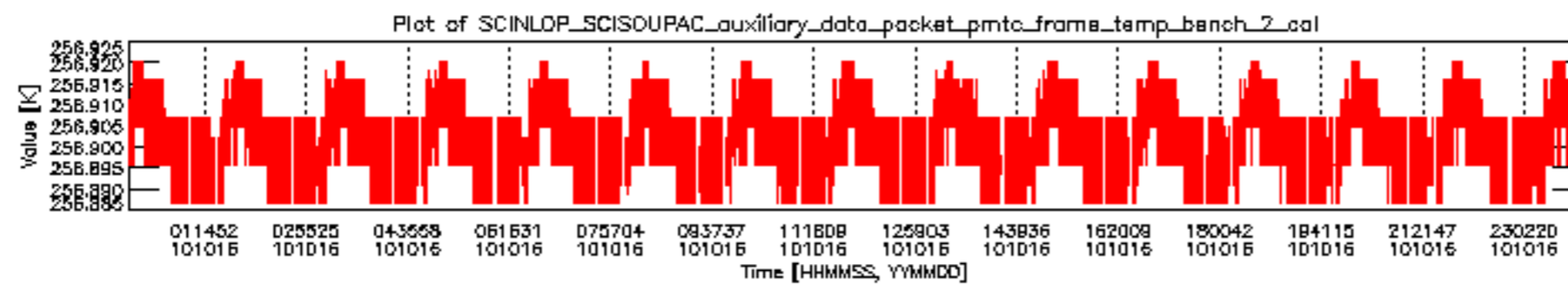
Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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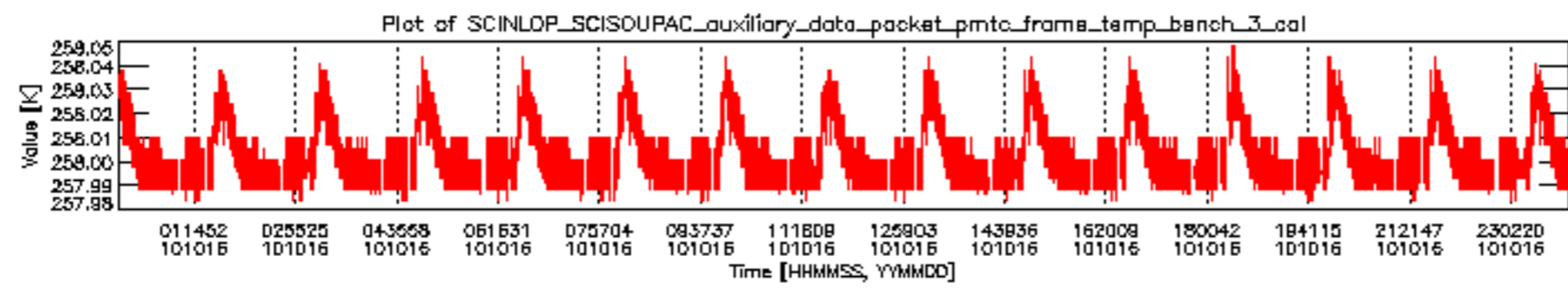


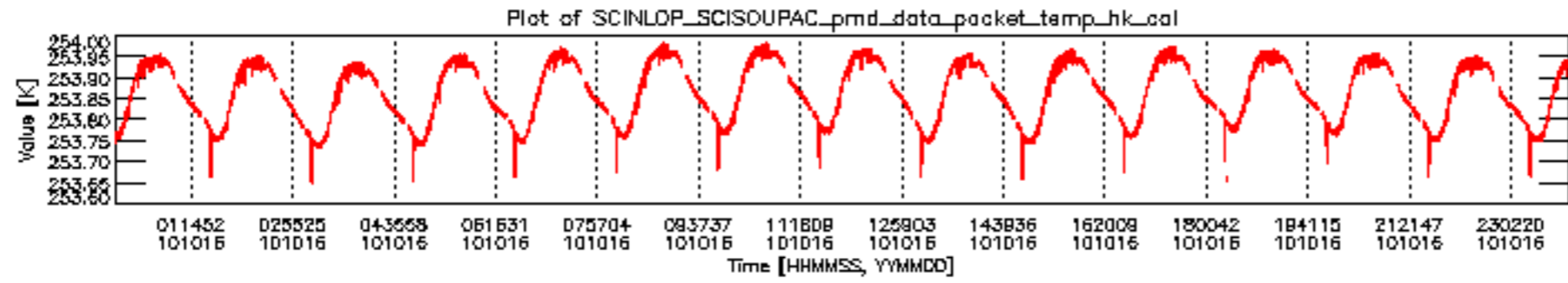


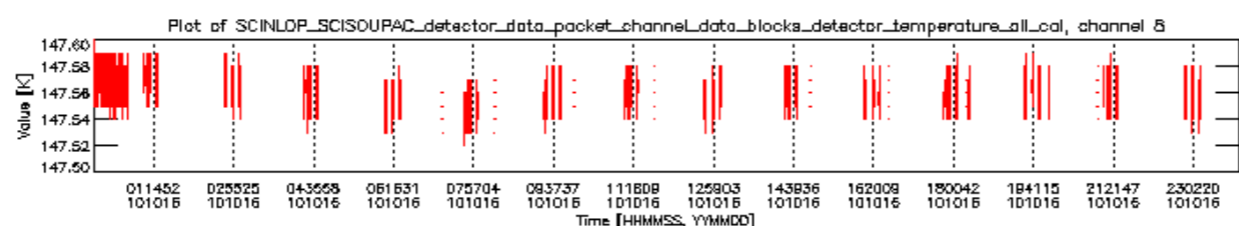
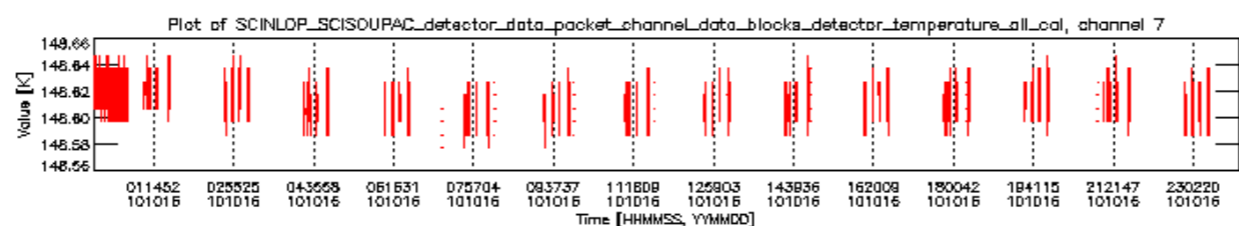
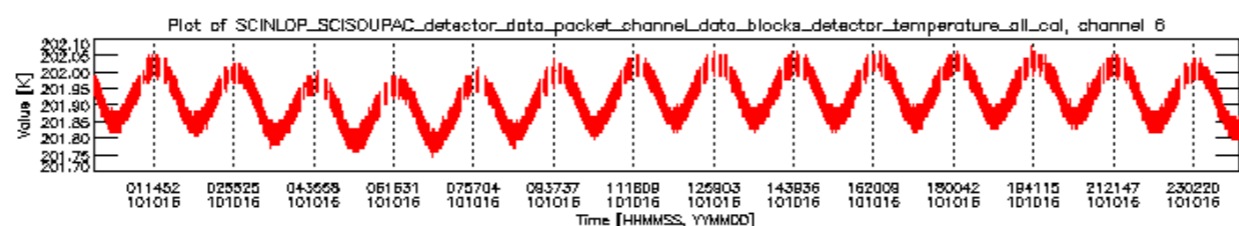
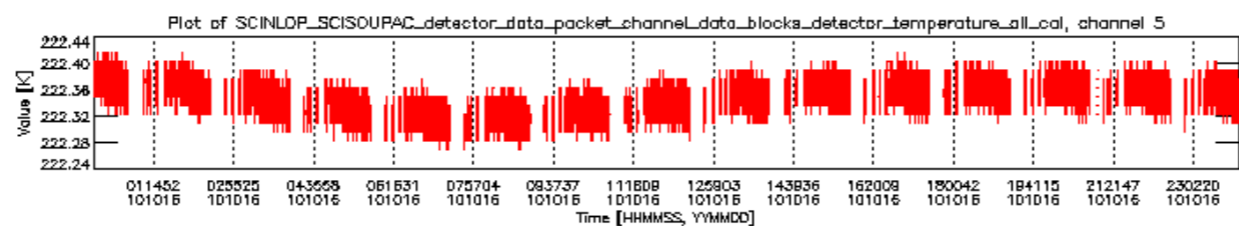
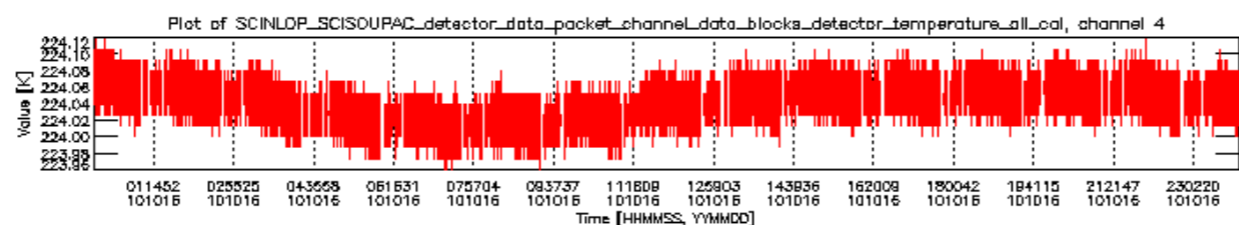
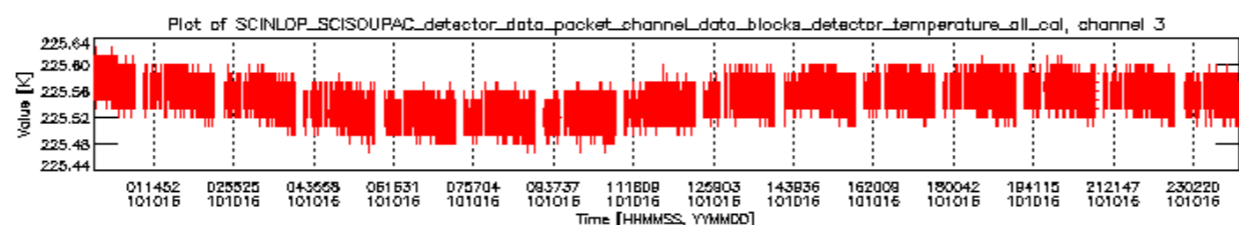
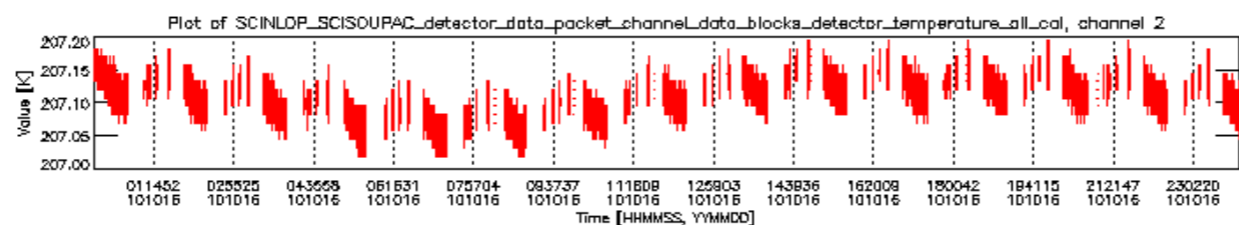
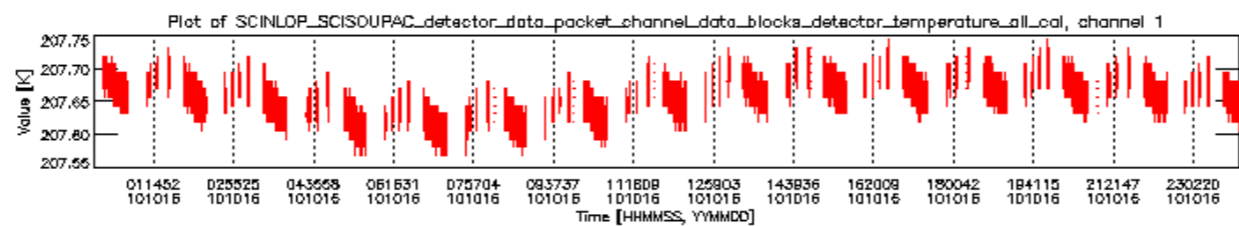


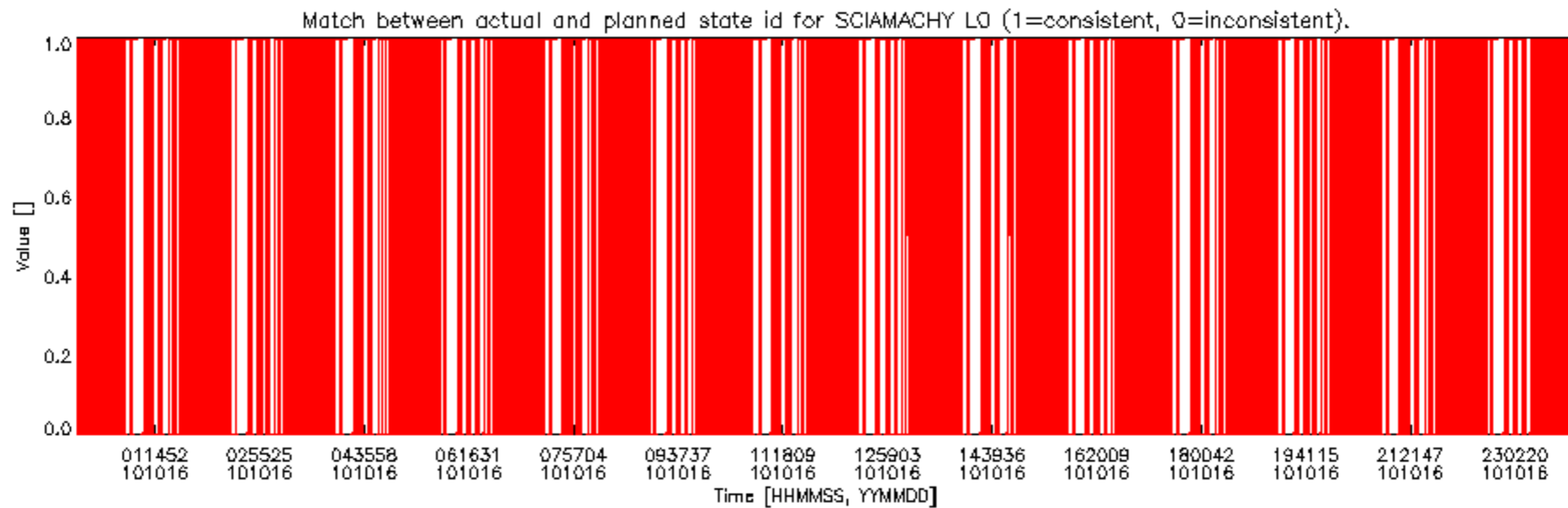
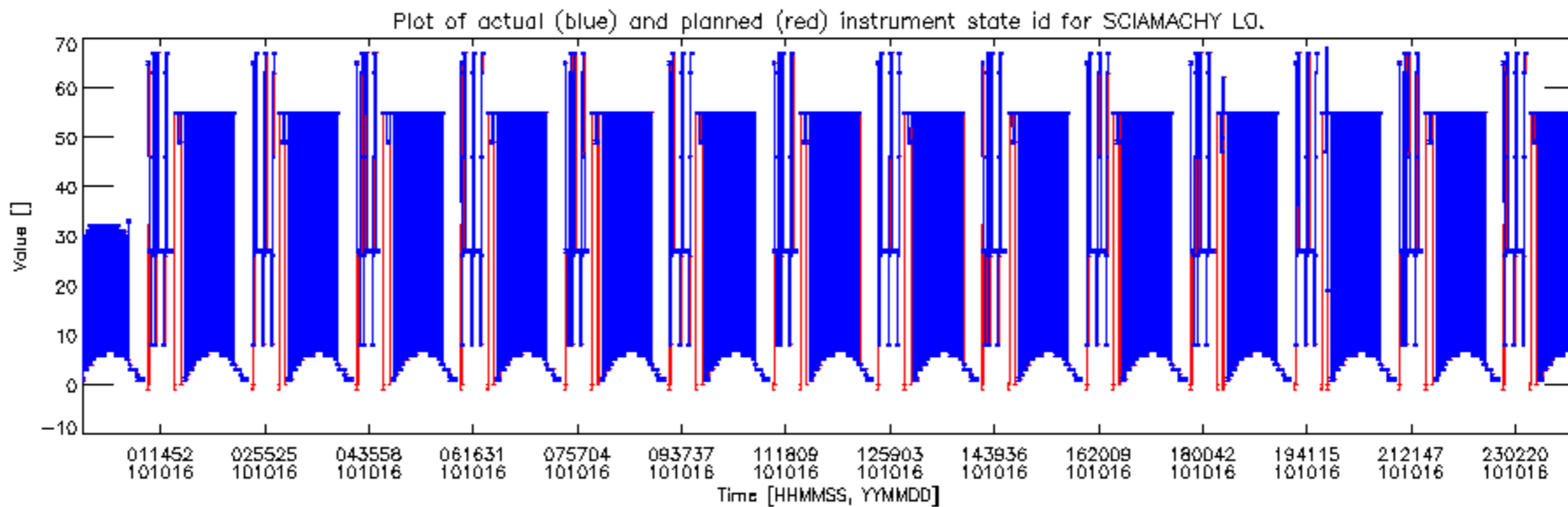












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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