

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	11JUN2010 02:33:44
Data source version	<Any version>
Processing scope for products	04JUN2010 00:00:00 to 05JUN2010 00:00:00
Start time of first product within scope	04JUN2010 01:13:43
Stop time of last product within scope	05JUN2010 00:44:05
Total number of Level 0 products	14
Number of Level 0 products with errors	0

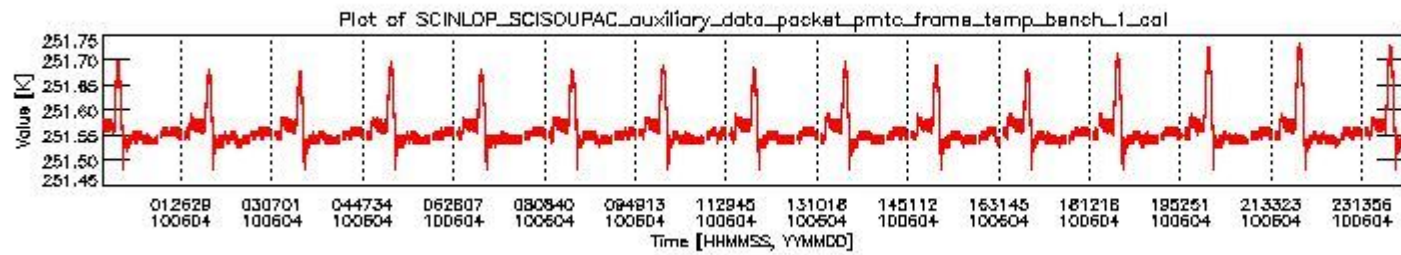
0.1.2 Summary per product

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

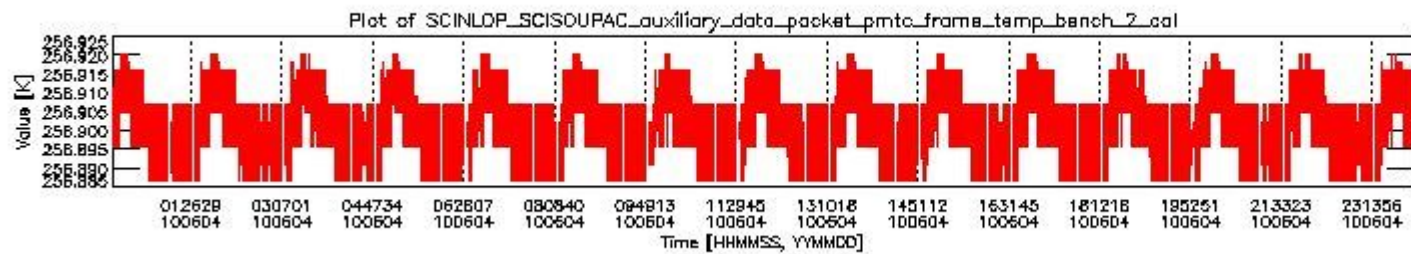
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100604_011343_000097062090_00045_43185_1582.N1	04JUN2010 01:13:43	04JUN2010 03:55:29	0	0	0	0	0
1	SCI_NL__OPNPDE20100604_035420_000069202090_00047_43187_1583.N1	04JUN2010 03:54:20	04JUN2010 05:49:40	0	0	0	0	0
2	SCI_NL__OPNPDK20100604_054940_000040322090_00048_43188_1577.N1	04JUN2010 05:49:40	04JUN2010 06:56:52	0	0	0	0	0
3	SCI_NL__OPNPDK20100604_065652_000061042090_00049_43189_1578.N1	04JUN2010 06:56:52	04JUN2010 08:38:37	0	0	0	0	0
4	SCI_NL__OPNPDK20100604_083837_000059672090_00050_43190_1579.N1	04JUN2010 08:38:37	04JUN2010 10:18:04	0	0	0	0	0
5	SCI_NL__OPNPDK20100604_101708_000060362090_00051_43191_1580.N1	04JUN2010 10:17:08	04JUN2010 11:57:43	0	0	0	0	0
6	SCI_NL__OPNPDK20100604_115648_000060232090_00052_43192_1581.N1	04JUN2010 11:56:48	04JUN2010 13:37:11	0	0	0	0	0
7	SCI_NL__OPNPDK20100604_133615_000059112090_00053_43193_1582.N1	04JUN2010 13:36:15	04JUN2010 15:14:46	0	0	0	0	0
8	SCI_NL__OPNPDK20100604_151350_000059672090_00054_43194_1583.N1	04JUN2010 15:13:50	04JUN2010 16:53:18	0	0	0	0	0
9	SCI_NL__OPNPDK20100604_165209_000058712090_00055_43195_1584.N1	04JUN2010 16:52:09	04JUN2010 18:29:59	0	0	0	0	0
10	SCI_NL__OPNPDK20100604_182959_000060362090_00056_43196_1585.N1	04JUN2010 18:29:59	04JUN2010 20:10:35	0	0	0	0	0
11	SCI_NL__OPNPDE20100604_200831_000042972090_00057_43197_1584.N1	04JUN2010 20:08:31	04JUN2010 21:20:08	0	0	0	0	0
12	SCI_NL__OPNPDE20100604_211840_000062432090_00057_43197_1585.N1	04JUN2010 21:18:40	04JUN2010 23:02:44	0	0	0	0	0
13	SCI_NL__OPNPDE20100604_230200_000061252090_00058_43198_1586.N1	04JUN2010 23:02:00	05JUN2010 00:44:05	0	0	0	0	0

0.2 Product Quality Indicators

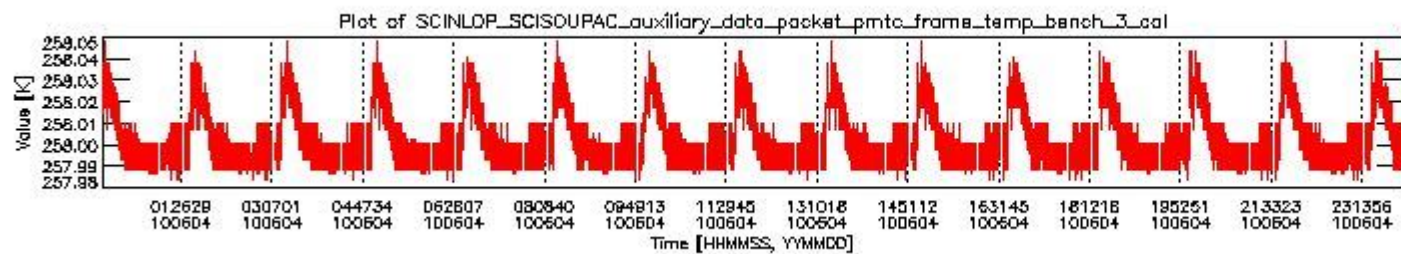
This section shows information about product quality, currently temperatures.



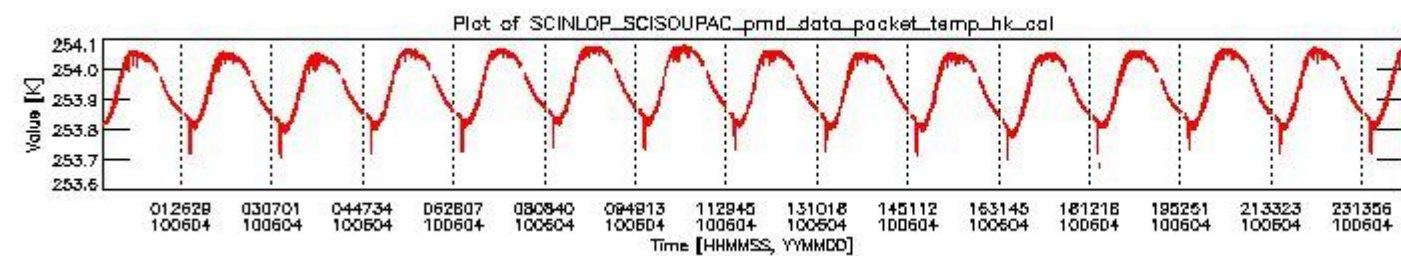
sciamachy_daily_report_level0_Any_version_20100604_0.PNG



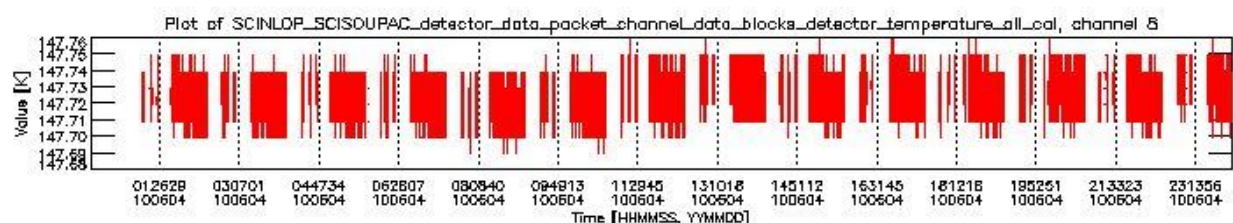
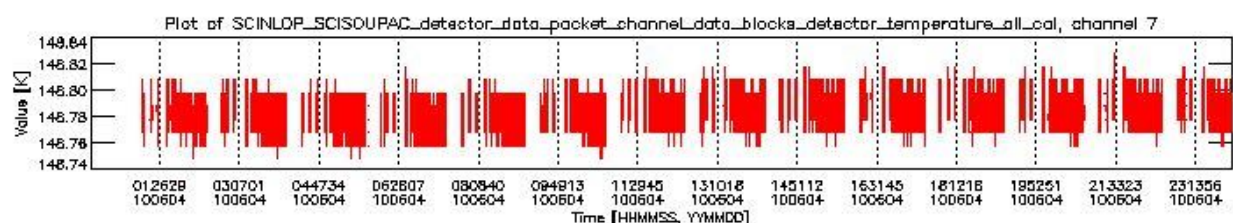
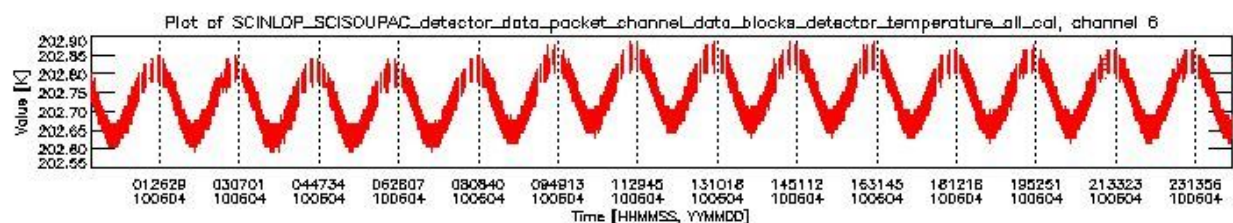
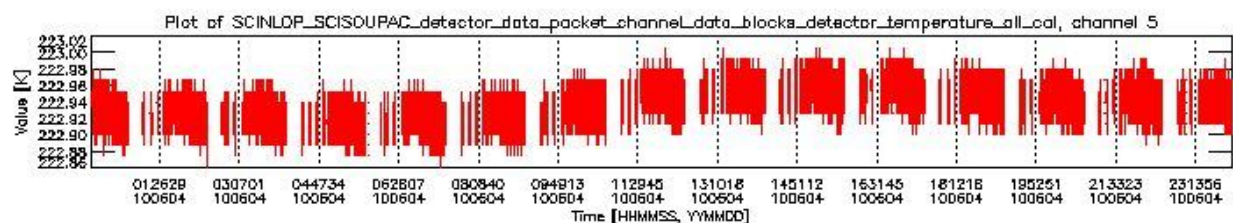
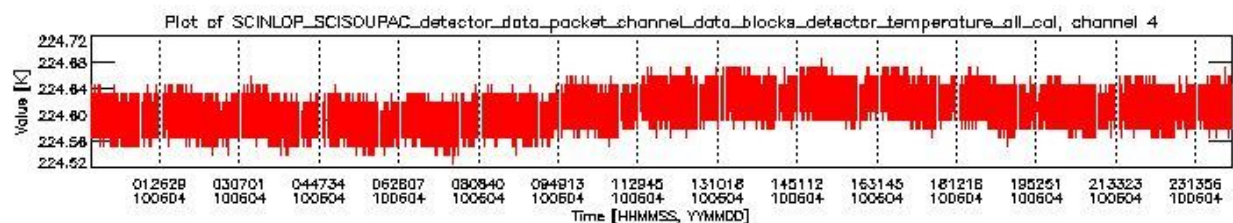
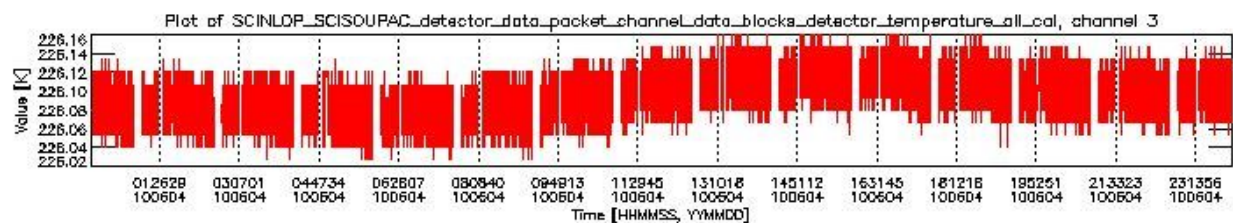
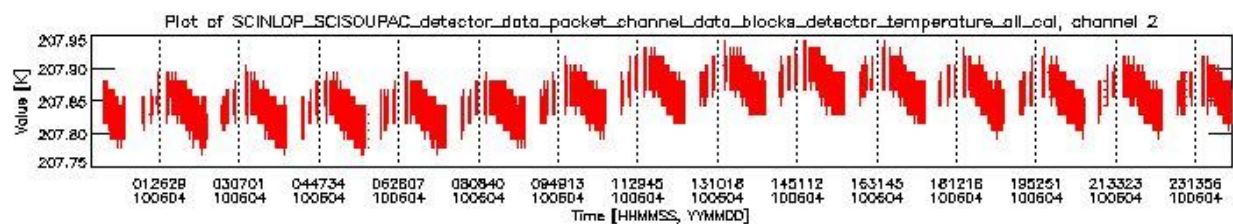
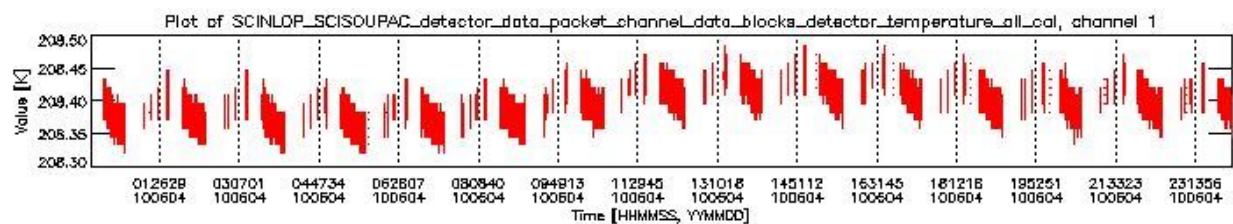
sciamachy_daily_report_level0_Any_version_20100604_1.PNG



sciamachy_daily_report_level0_Any_version_20100604_2.PNG



sciamachy_daily_report_level0_Any_version_20100604_3.PNG

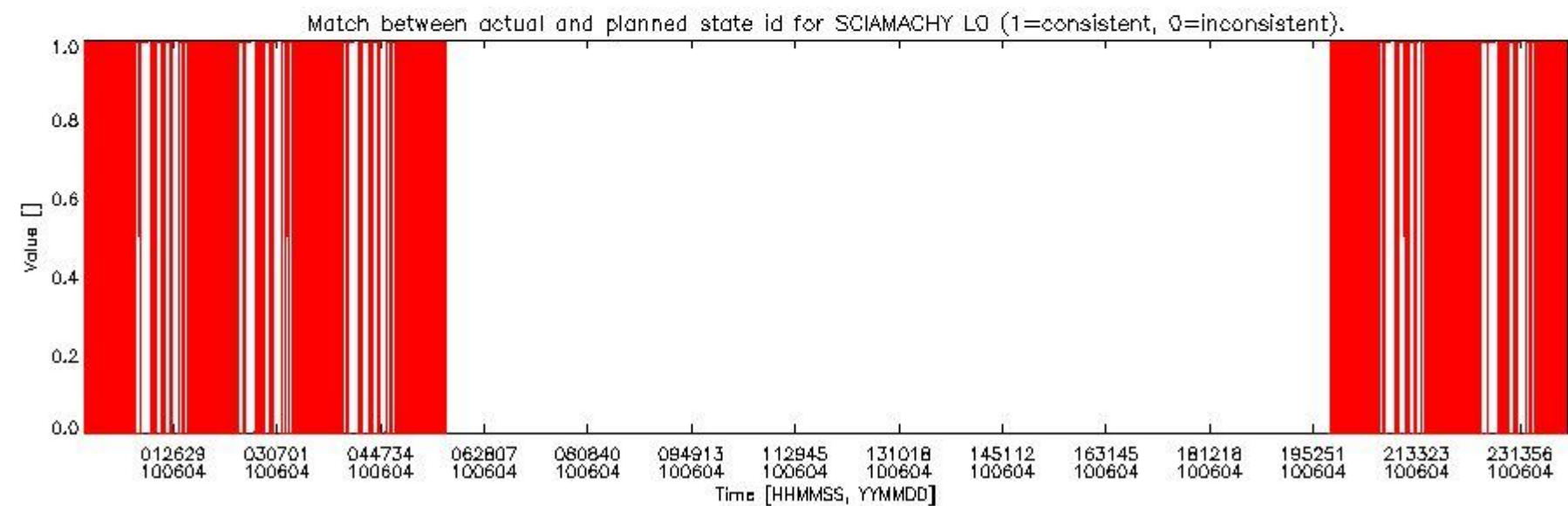
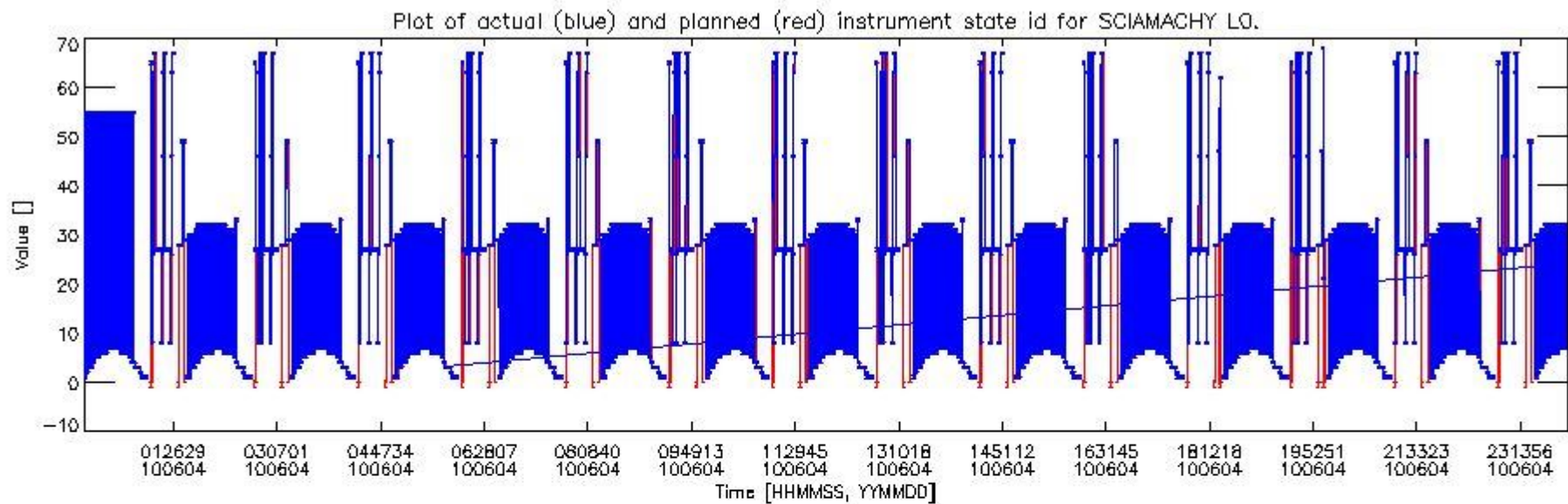


0.3 State monitoring

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: **40244**

#	Actual time	Actual value	Planned time	Planned value
0	04JUN2010 00:00:00.065573	1	04JUN2010 00:00:00.065573	55
1	04JUN2010 00:00:00.190573	1	04JUN2010 00:00:00.190573	55
2	04JUN2010 00:00:00.315573	1	04JUN2010 00:00:00.315573	55
3	04JUN2010 00:00:00.440573	1	04JUN2010 00:00:00.440573	55
4	04JUN2010 00:00:00.565573	1	04JUN2010 00:00:00.565573	55
5	04JUN2010 00:00:00.690573	1	04JUN2010 00:00:00.690573	55
6	04JUN2010 00:00:00.815573	1	04JUN2010 00:00:00.815573	55
7	04JUN2010 00:00:00.940573	1	04JUN2010 00:00:00.940573	55
8	04JUN2010 00:00:01.065573	1	04JUN2010 00:00:01.065573	55
9	04JUN2010 00:00:01.190573	1	04JUN2010 00:00:01.190573	55
10	04JUN2010 00:00:01.315573	1	04JUN2010 00:00:01.315573	55
11	04JUN2010 00:00:01.440573	1	04JUN2010 00:00:01.440573	55
12	04JUN2010 00:00:01.565573	1	04JUN2010 00:00:01.565573	55
13	04JUN2010 00:00:01.690573	1	04JUN2010 00:00:01.690573	55
14	04JUN2010 00:00:01.815573	1	04JUN2010 00:00:01.815573	55
15	04JUN2010 00:00:01.940573	1	04JUN2010 00:00:01.940573	55
16	04JUN2010 00:00:02.065573	1	04JUN2010 00:00:02.065573	55
17	04JUN2010 00:00:02.190573	1	04JUN2010 00:00:02.190573	55
18	04JUN2010 00:00:02.315573	1	04JUN2010 00:00:02.315573	55
19	04JUN2010 00:00:02.440573	1	04JUN2010 00:00:02.440573	55

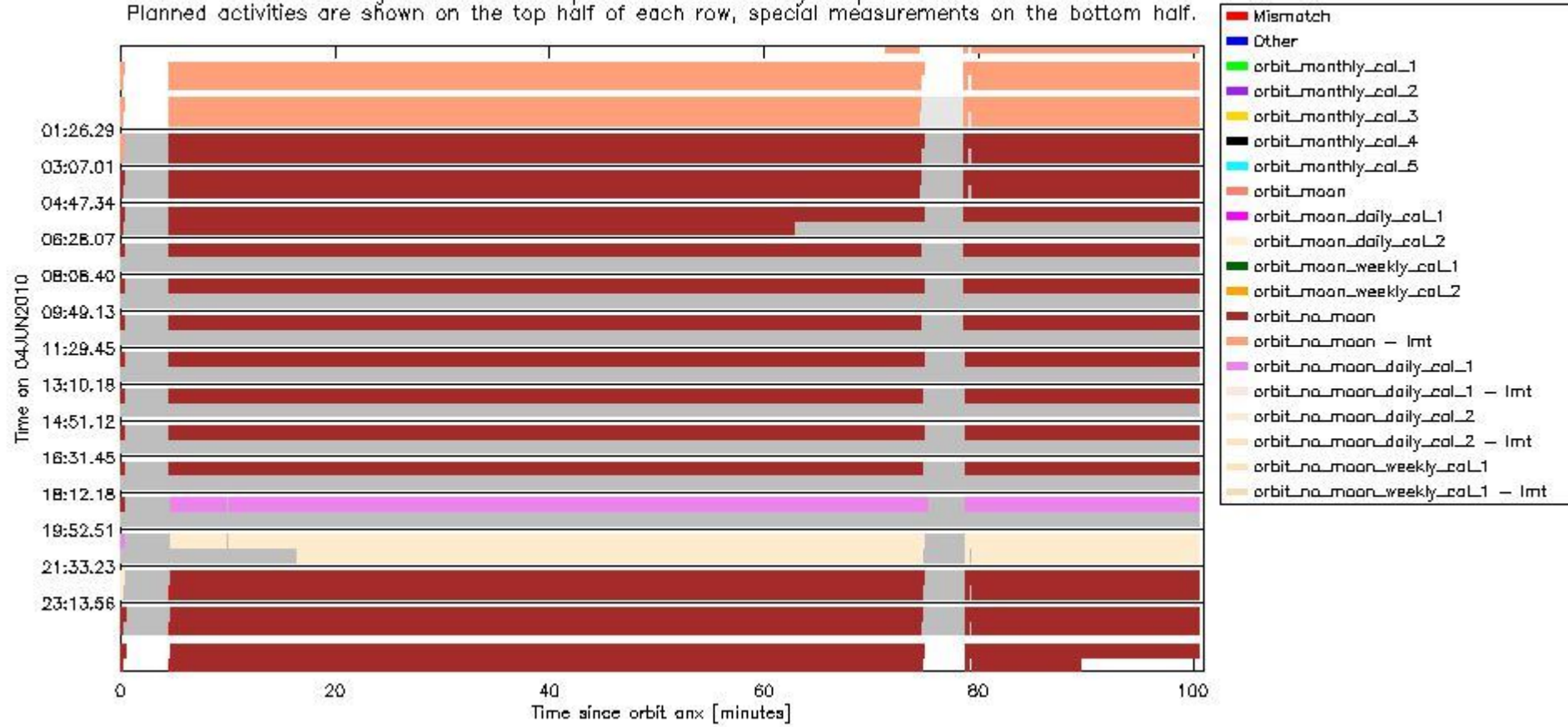


sciamachy_daily_report_level0_Any_version_20100604_5.PNG

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 04JUN2010.
 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_20100604_6.PNG

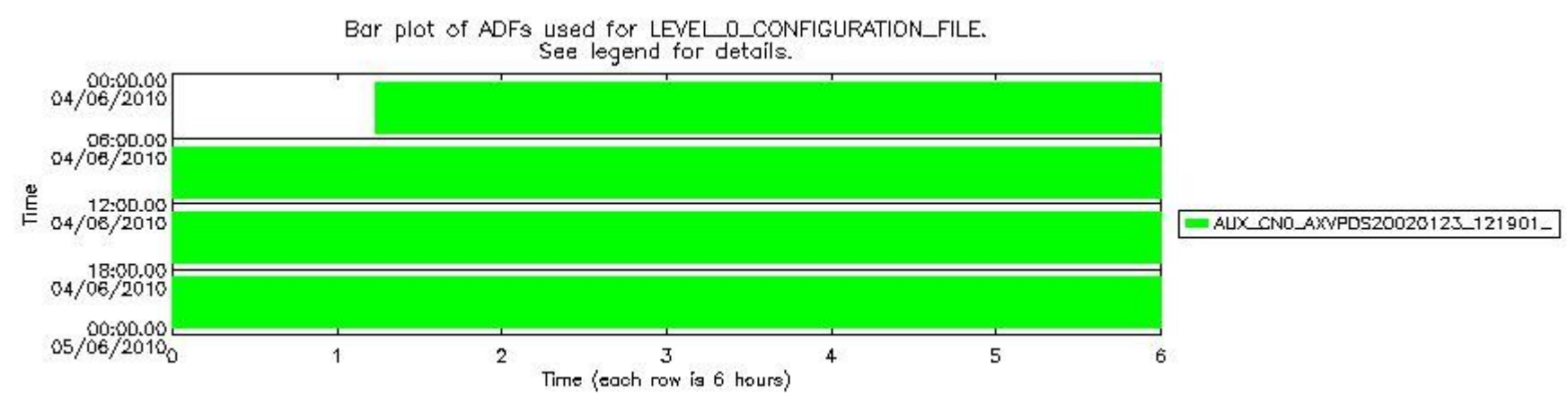
0.4 ADF monitoring

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

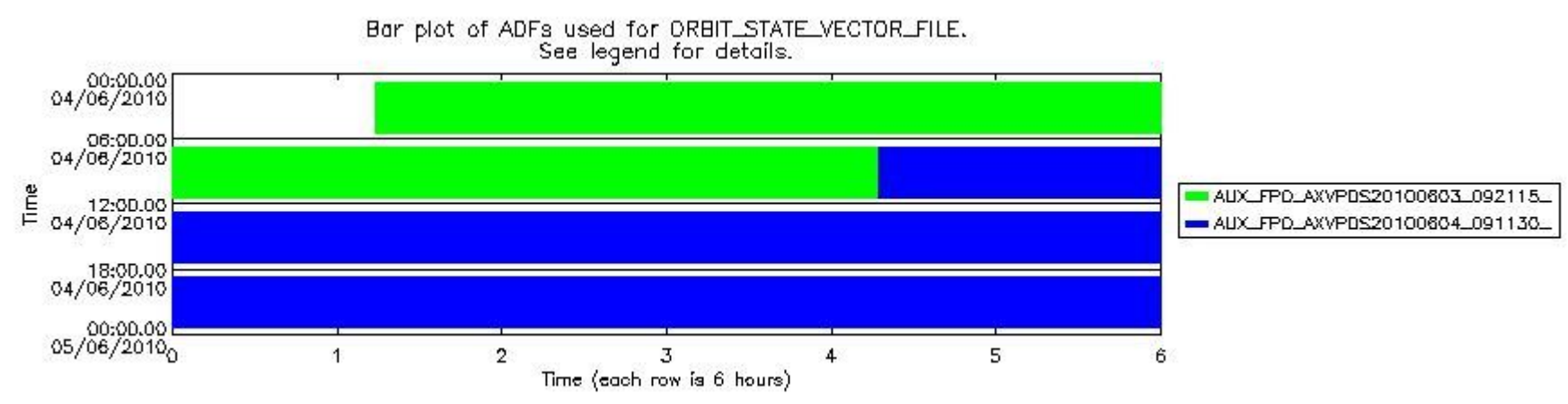
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

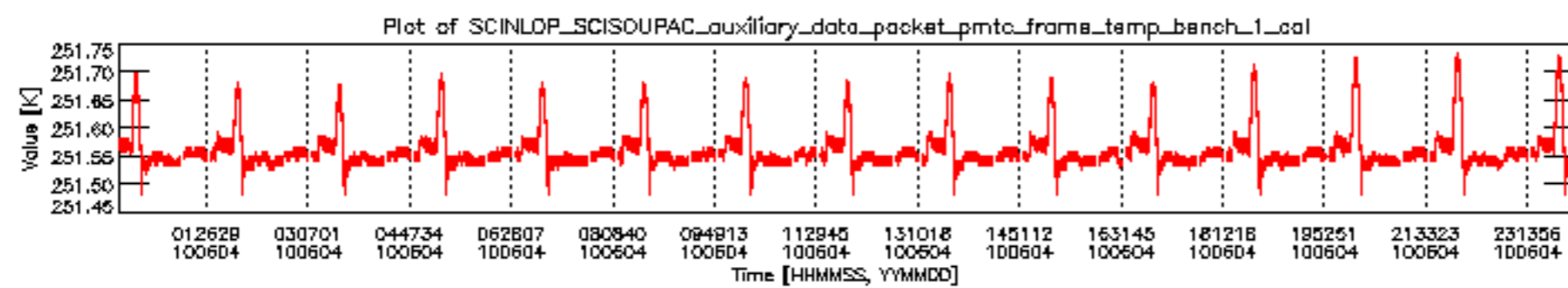
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100603_092115_20100602_191530_20100612_204144
2	AUX_FPO_AXVPDS20100604_091130_20100603_184353_20100613_201007

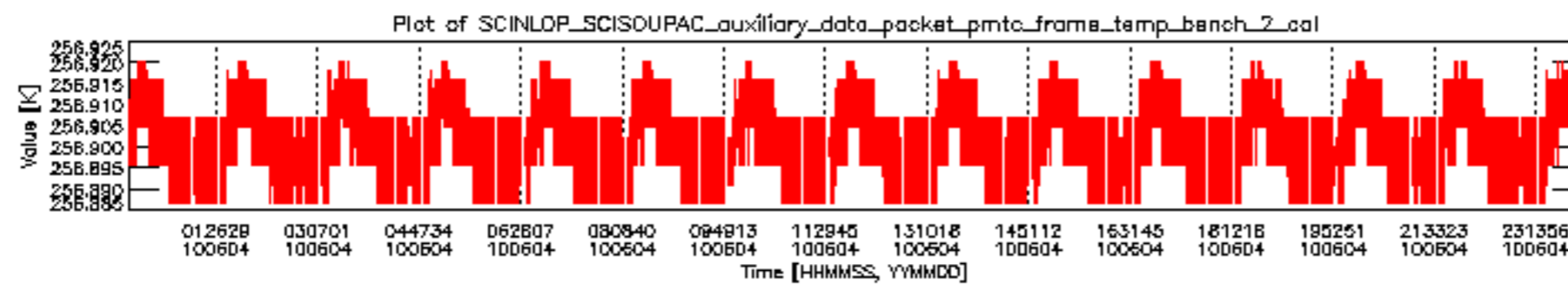


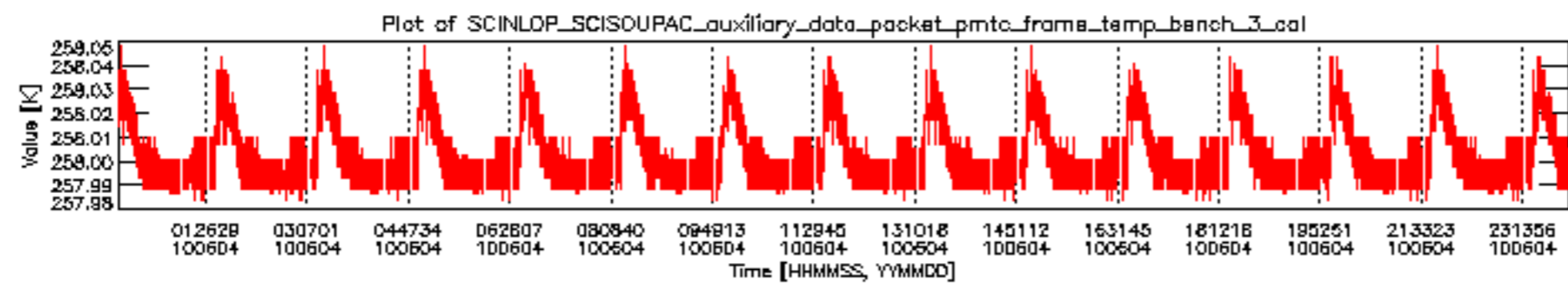
sciamachy_daily_report_level0_Any_version_20100604_7.PNG

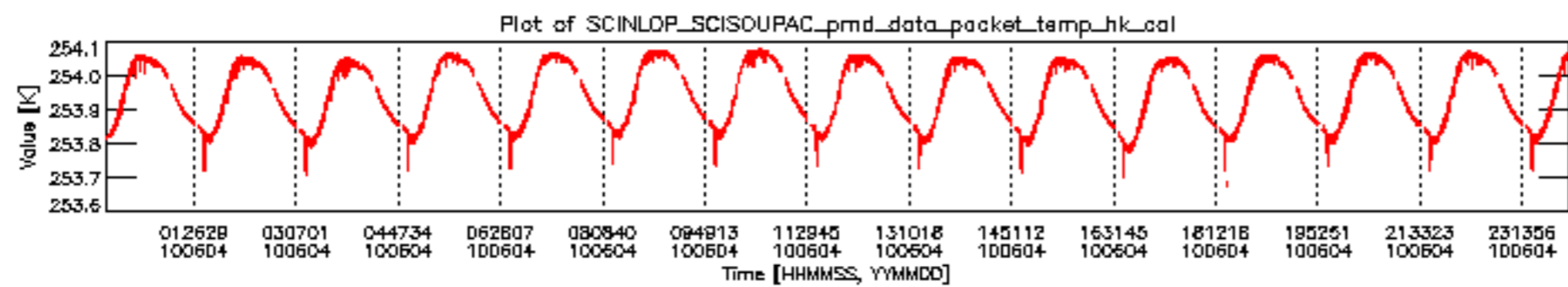


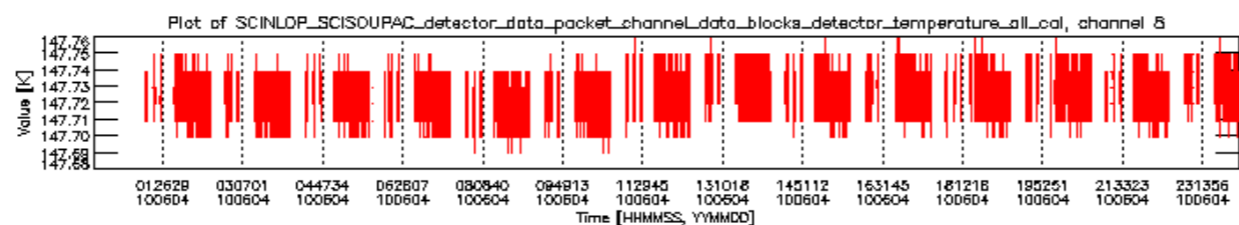
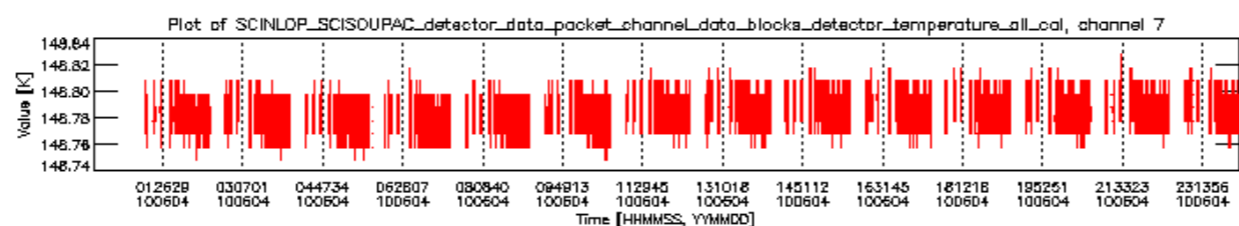
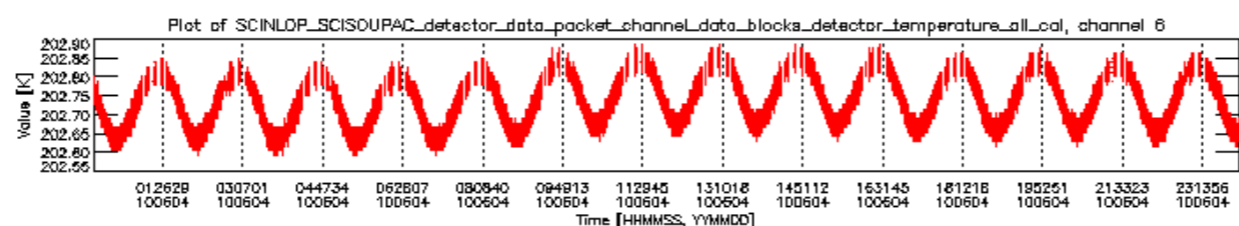
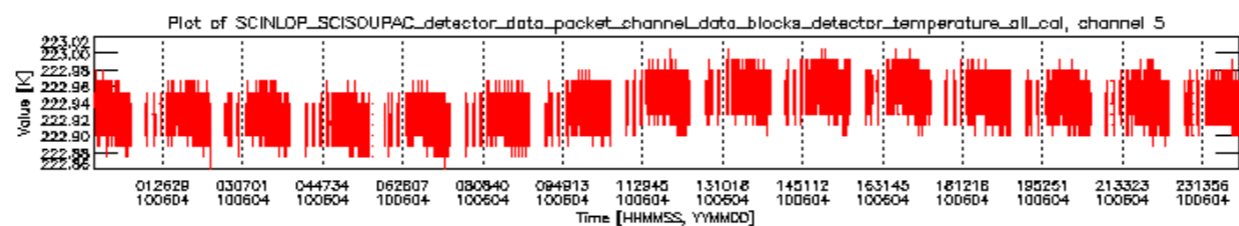
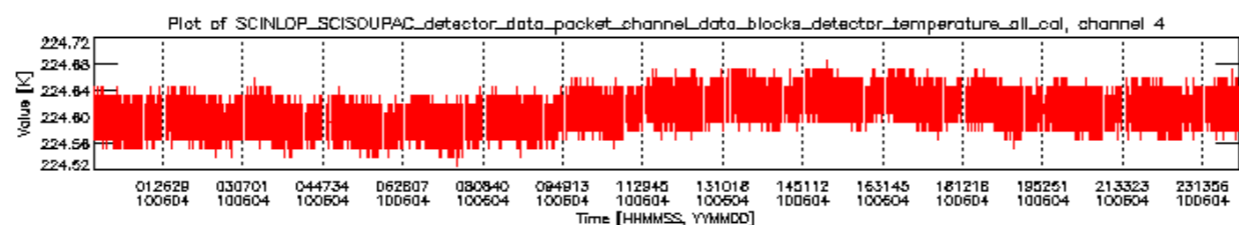
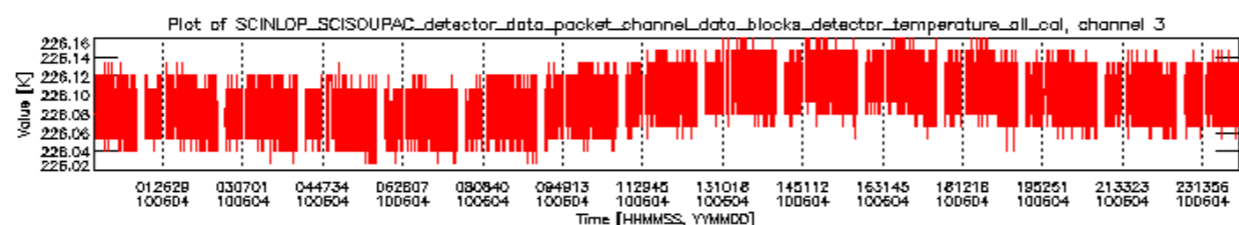
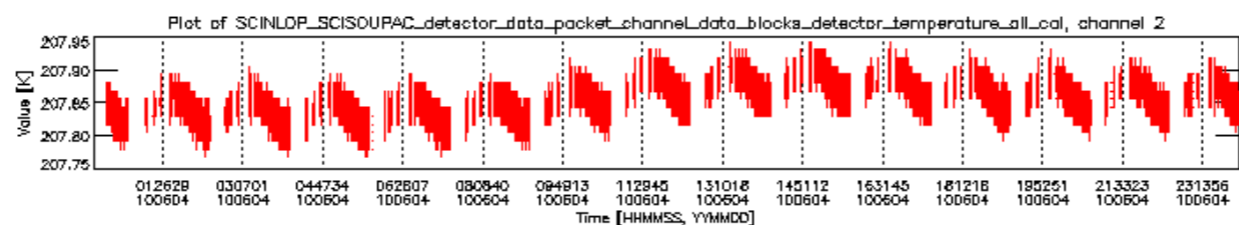
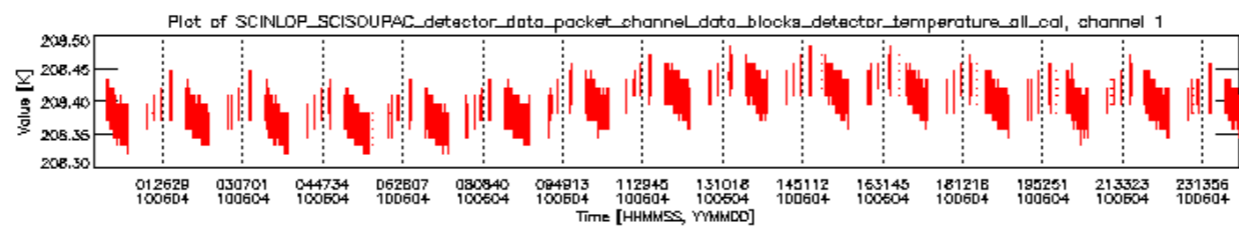
sciamachy_daily_report_level0_Any_version_20100604_8.PNG

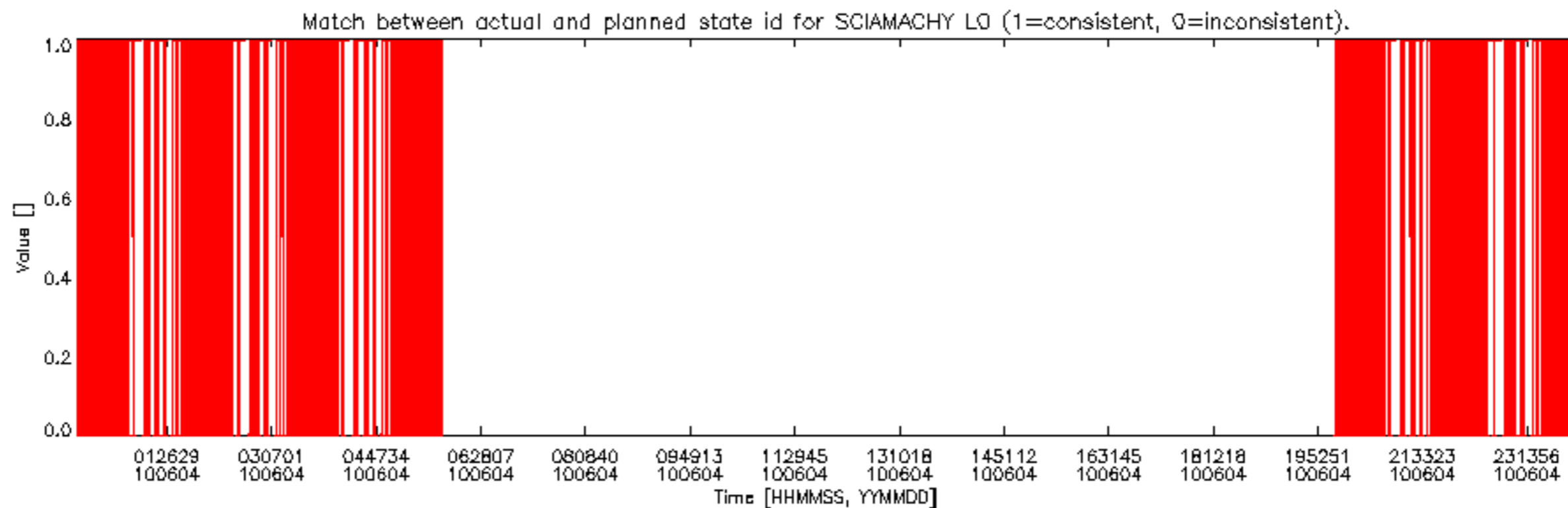
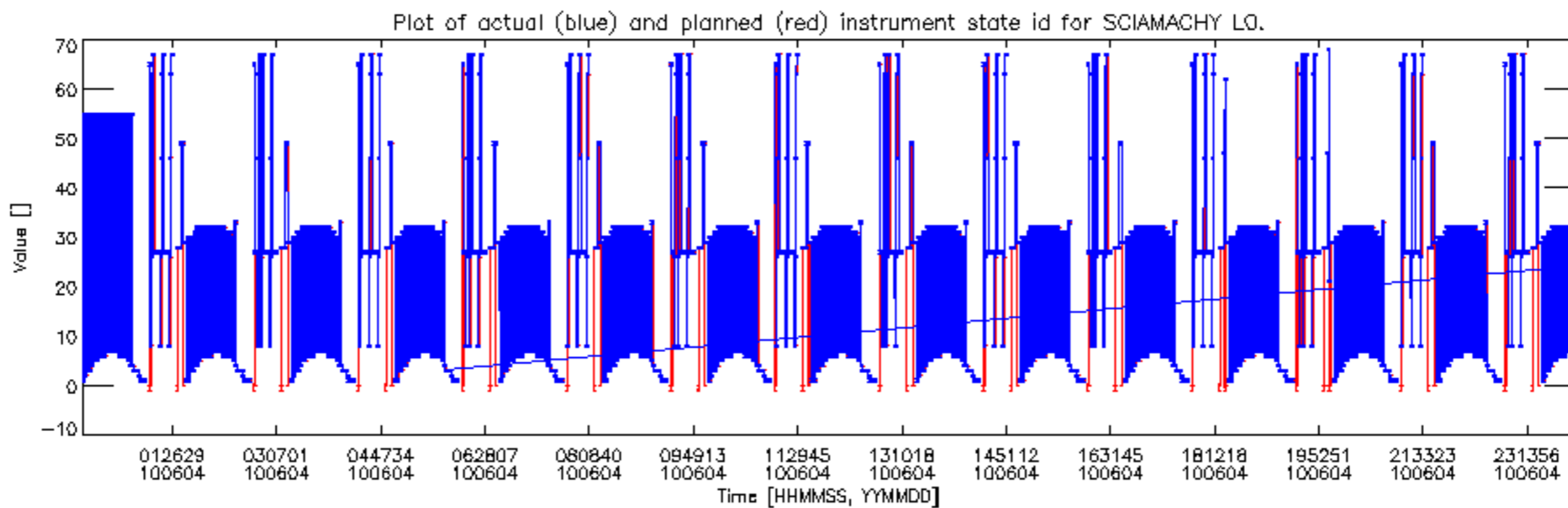




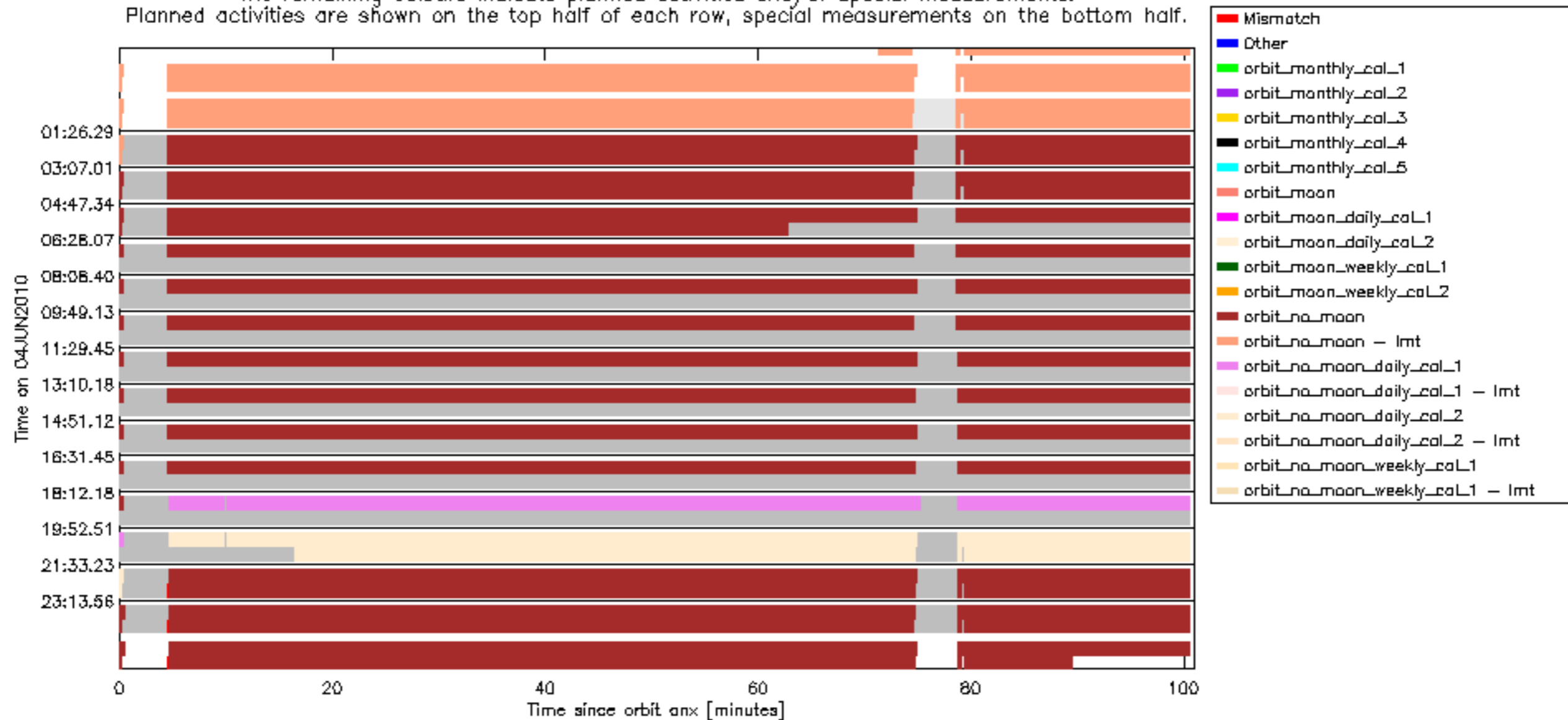


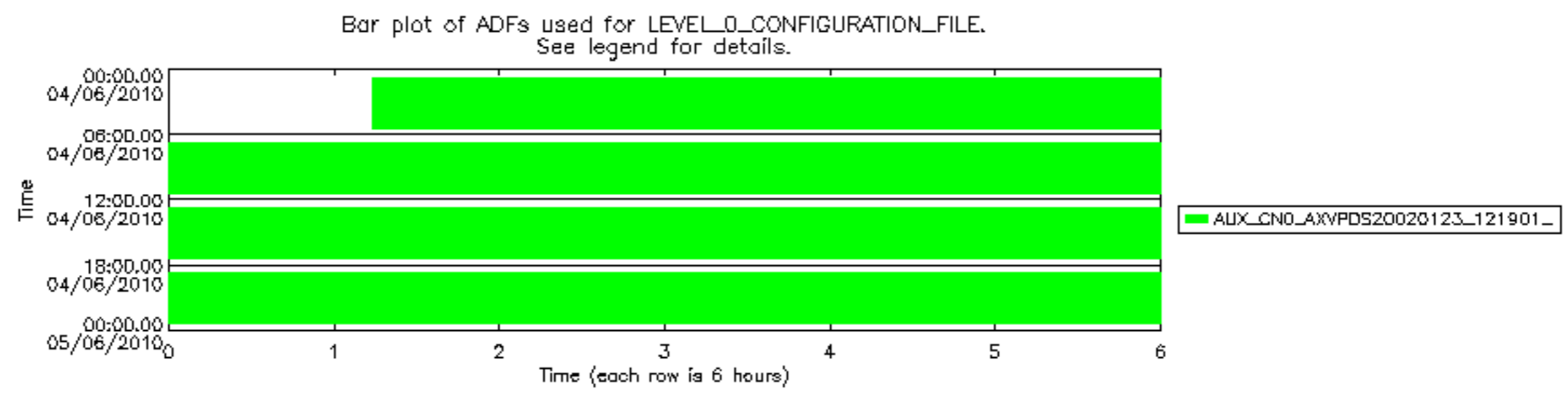






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 04JUN2010.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

