

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	07APR2010 15:06:59
Data source version	<Any version>
Processing scope for products	30MAR2010 00:00:00 to 31MAR2010 00:00:00
Start time of first product within scope	30MAR2010 00:47:30
Stop time of last product within scope	31MAR2010 00:17:09
Total number of Level 0 products	15
Number of Level 0 products with errors	0

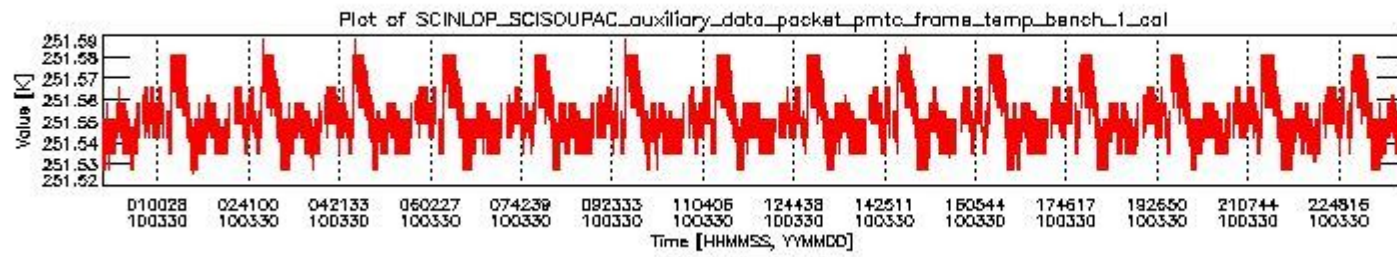
0.1.2 Summary per product

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

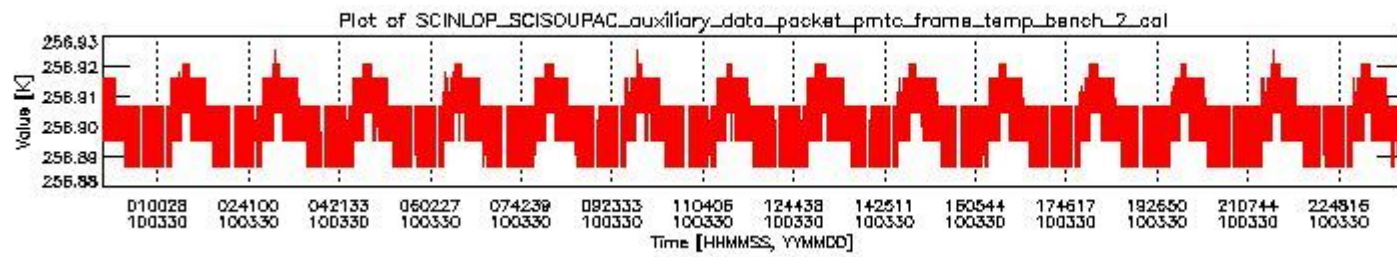
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100330_004730_000058672088_00102_42240_1174.N1	30MAR2010 00:47:30	30MAR2010 02:25:17	0	0	0	0	0
1	SCI_NL__OPNPDE20100330_022517_000045292088_00103_42241_1175.N1	30MAR2010 02:25:17	30MAR2010 03:40:46	0	0	0	0	0
2	SCI_NL__OPNPDE20100330_033938_000061732088_00104_42242_1176.N1	30MAR2010 03:39:38	30MAR2010 05:22:31	0	0	0	0	0
3	SCI_NL__OPNPDE20100330_052231_000060912088_00105_42243_1177.N1	30MAR2010 05:22:31	30MAR2010 07:04:02	0	0	0	0	0
4	SCI_NL__OPNPDK20100330_070254_000040572088_00106_42244_0997.N1	30MAR2010 07:02:54	30MAR2010 08:10:31	0	0	0	0	0
5	SCI_NL__OPNPDK20100330_080922_000061602088_00107_42245_0998.N1	30MAR2010 08:09:22	30MAR2010 09:52:02	0	0	0	0	0
6	SCI_NL__OPNPDK20100330_095054_000061042088_00108_42246_0999.N1	30MAR2010 09:50:54	30MAR2010 11:32:38	0	0	0	0	0
7	SCI_NL__OPNPDK20100330_113142_000058982088_00109_42247_1000.N1	30MAR2010 11:31:42	30MAR2010 13:10:00	0	0	0	0	0
8	SCI_NL__OPNPDK20100330_131000_000059242088_00110_42248_1001.N1	30MAR2010 13:10:00	30MAR2010 14:48:44	0	0	0	0	0
9	SCI_NL__OPNPDK20100330_144735_000057872088_00111_42249_1002.N1	30MAR2010 14:47:35	30MAR2010 16:24:02	0	0	0	0	0
10	SCI_NL__OPNPDK20100330_162306_000061132088_00112_42250_1003.N1	30MAR2010 16:23:06	30MAR2010 18:04:59	0	0	0	0	0
11	SCI_NL__OPNPDK20100330_180404_000058832088_00113_42251_1004.N1	30MAR2010 18:04:04	30MAR2010 19:42:07	0	0	0	0	0
12	SCI_NL__OPNPDE20100330_194129_000038502088_00114_42252_1178.N1	30MAR2010 19:41:29	30MAR2010 20:45:38	0	0	0	0	0
13	SCI_NL__OPNPDE20100330_205147_000063022088_00114_42252_1179.N1	30MAR2010 20:51:47	30MAR2010 22:36:48	0	0	0	0	0
14	SCI_NL__OPNPDE20100330_223518_00006112088_00115_42253_1180.N1	30MAR2010 22:35:18	31MAR2010 00:17:09	0	0	0	0	0

0.2 Product Quality Indicators

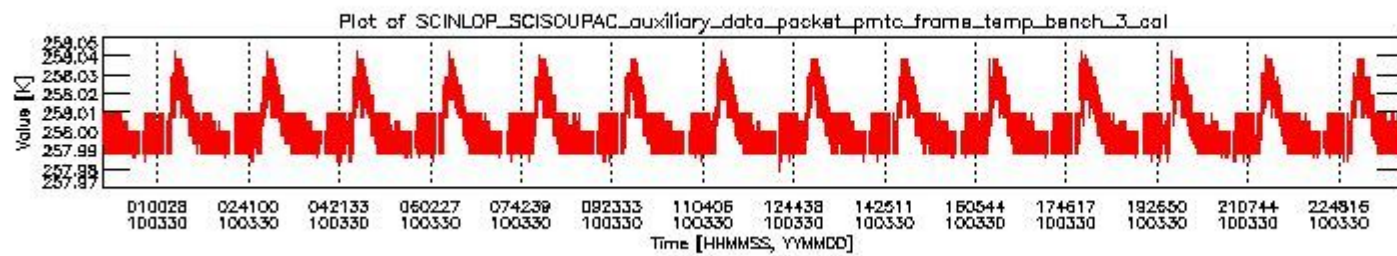
This section shows information about product quality, currently temperatures.



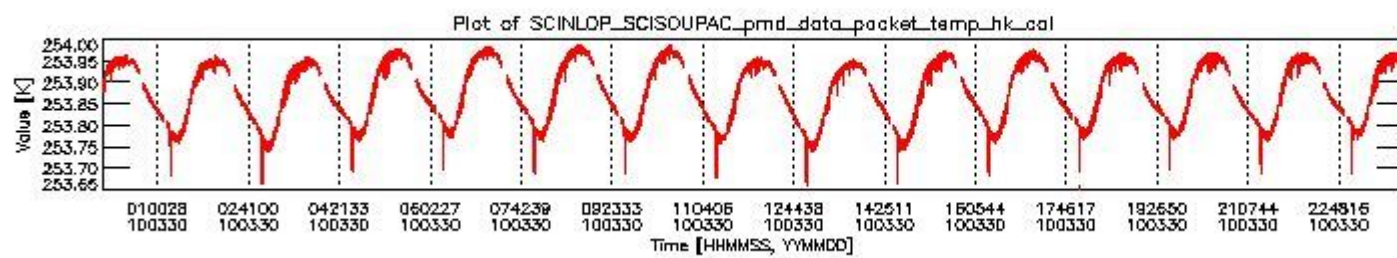
sciamachy_daily_report_level0_Any_version_20100330_0.PNG



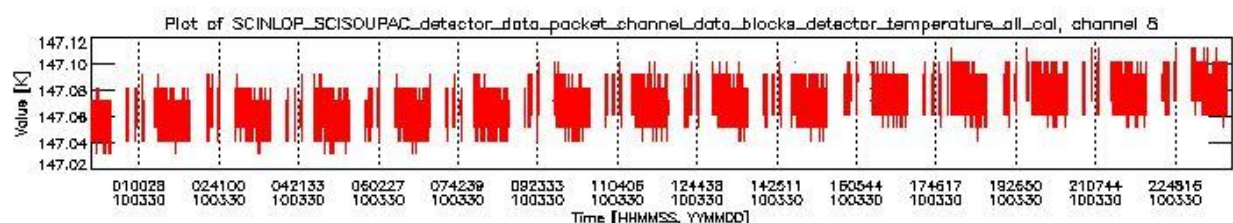
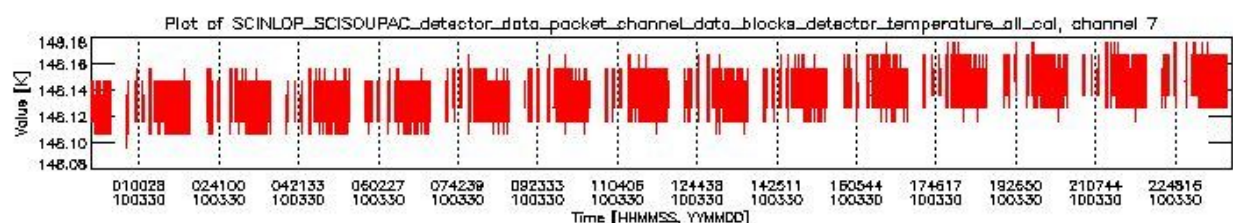
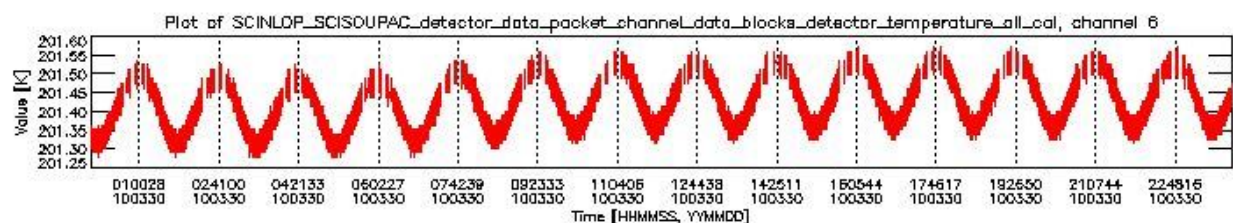
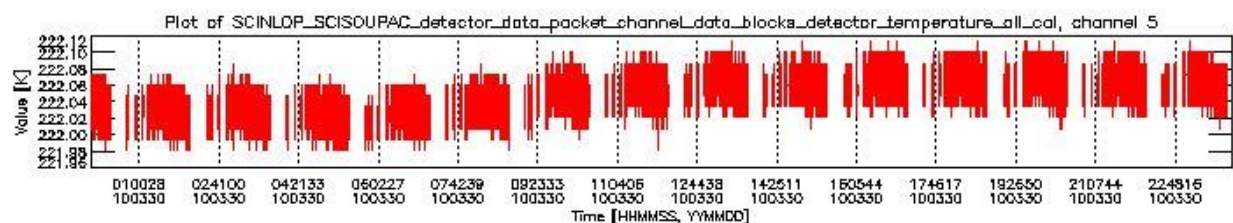
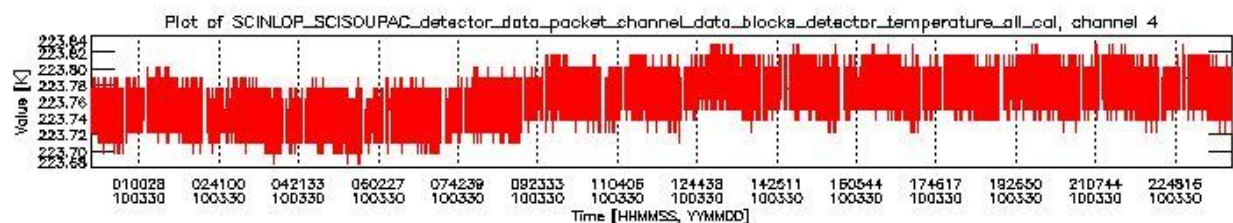
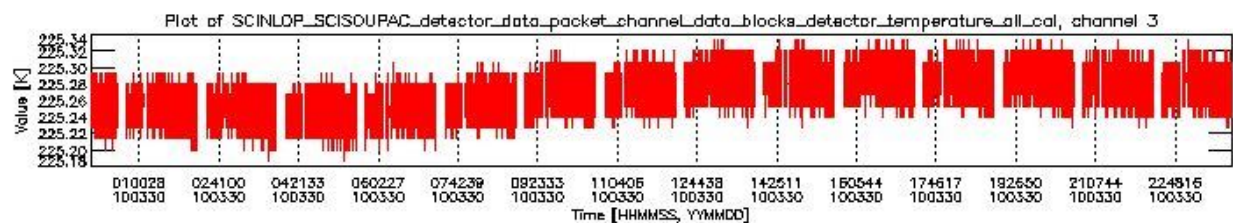
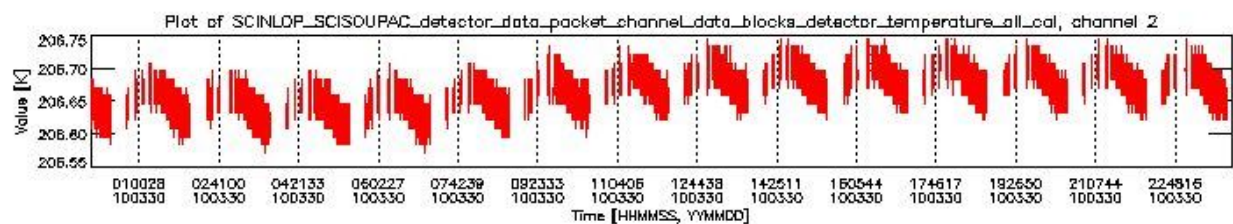
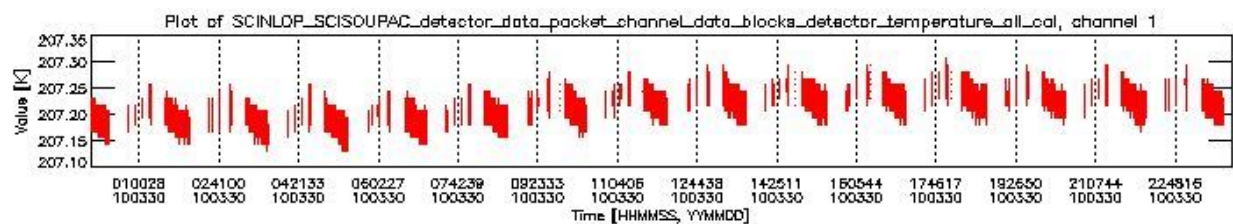
sciamachy_daily_report_level0_Any_version_20100330_1.PNG



sciamachy_daily_report_level0_Any_version_20100330_2.PNG



sciamachy_daily_report_level0_Any_version_20100330_3.PNG

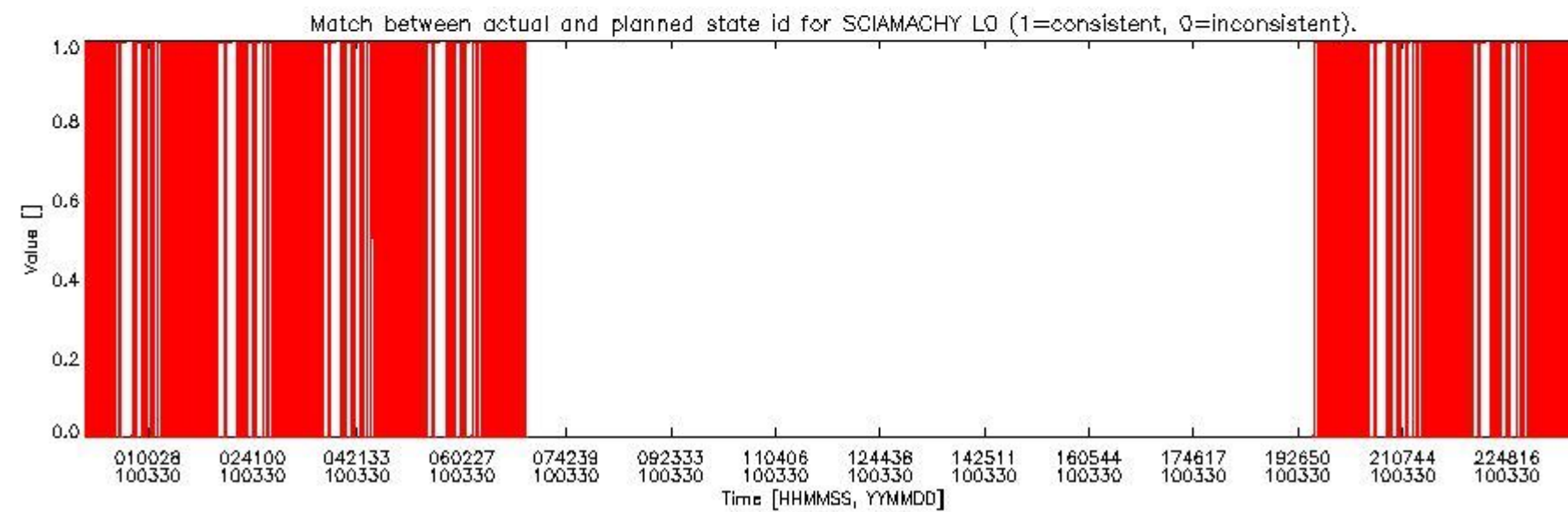
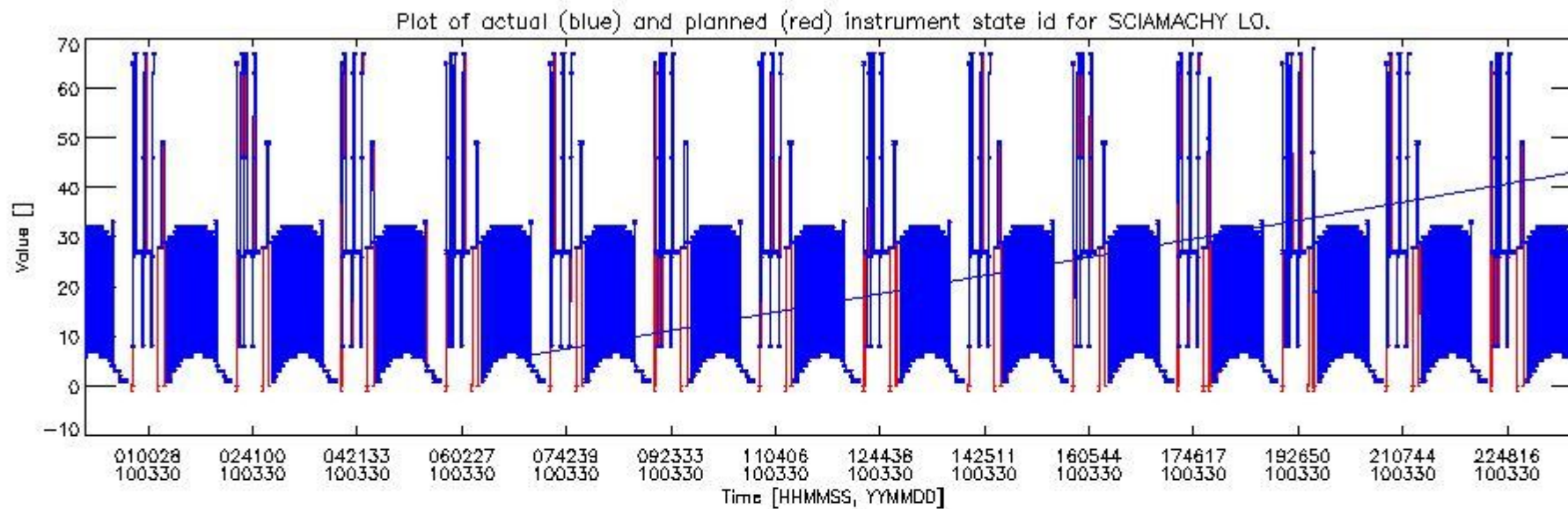


0.3 State monitoring

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: **38720**

#	Actual time	Actual value	Planned time	Planned value
0	30MAR2010 00:00:00.013905	6	30MAR2010 00:00:00.013905	32
1	30MAR2010 00:00:00.263905	6	30MAR2010 00:00:00.263905	32
2	30MAR2010 00:00:00.513905	6	30MAR2010 00:00:00.513905	32
3	30MAR2010 00:00:00.763905	6	30MAR2010 00:00:00.763905	32
4	30MAR2010 00:00:01.013905	6	30MAR2010 00:00:01.013905	32
5	30MAR2010 00:00:01.263905	6	30MAR2010 00:00:01.263905	32
6	30MAR2010 00:00:01.513905	6	30MAR2010 00:00:01.513905	32
7	30MAR2010 00:00:01.763905	6	30MAR2010 00:00:01.763905	32
8	30MAR2010 00:00:02.013905	6	30MAR2010 00:00:02.013905	32
9	30MAR2010 00:00:02.263905	6	30MAR2010 00:00:02.263905	32
10	30MAR2010 00:00:02.513905	6	30MAR2010 00:00:02.513905	32
11	30MAR2010 00:00:02.638905	6	30MAR2010 00:00:02.638905	32
12	30MAR2010 00:00:02.763905	6	30MAR2010 00:00:02.763905	32
13	30MAR2010 00:00:03.013905	6	30MAR2010 00:00:03.013905	32
14	30MAR2010 00:00:03.263905	6	30MAR2010 00:00:03.263905	32
15	30MAR2010 00:00:03.513905	6	30MAR2010 00:00:03.513905	32
16	30MAR2010 00:00:03.763905	6	30MAR2010 00:00:03.763905	32
17	30MAR2010 00:00:56.197507	32	30MAR2010 00:00:56.197507	6
18	30MAR2010 00:00:56.822507	32	30MAR2010 00:00:56.822507	6
19	30MAR2010 00:00:57.197507	32	30MAR2010 00:00:57.197507	6
...

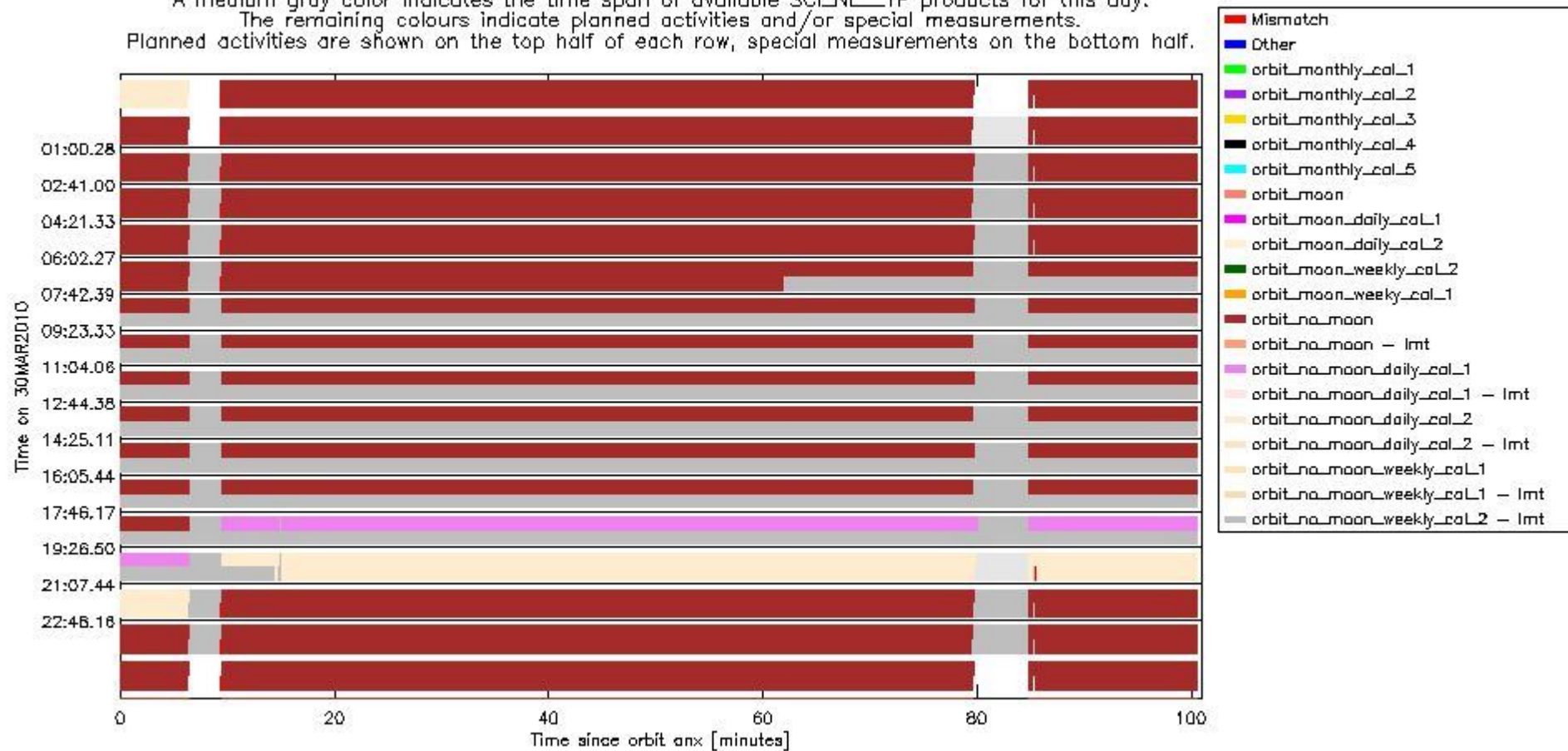


sciamachy_daily_report_level0_Any_version_20100330_5.PNG

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 30MAR2010.
 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_20100330_6.PNG

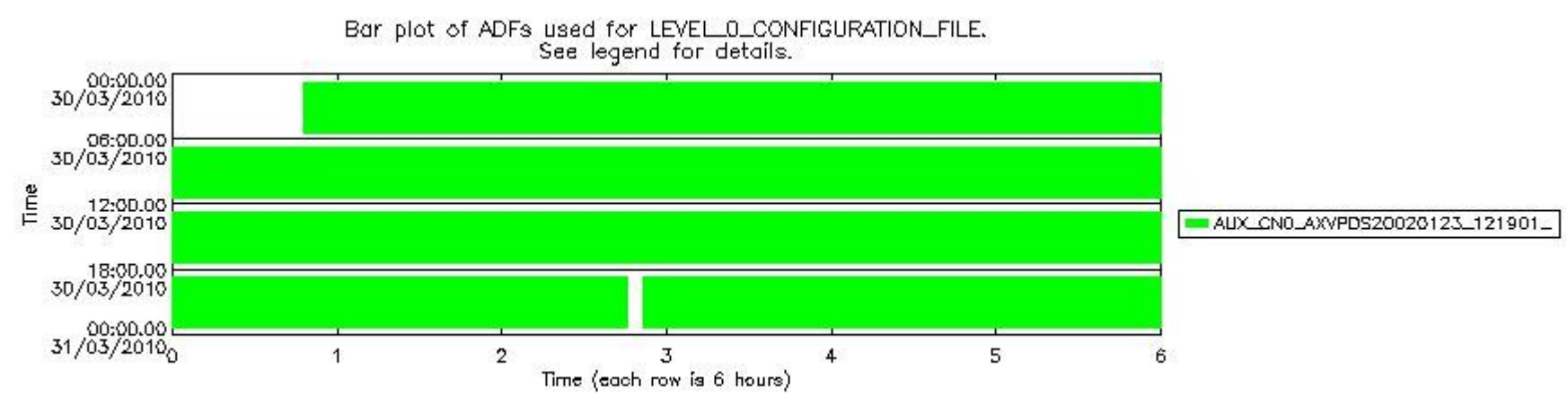
0.4 ADF monitoring

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

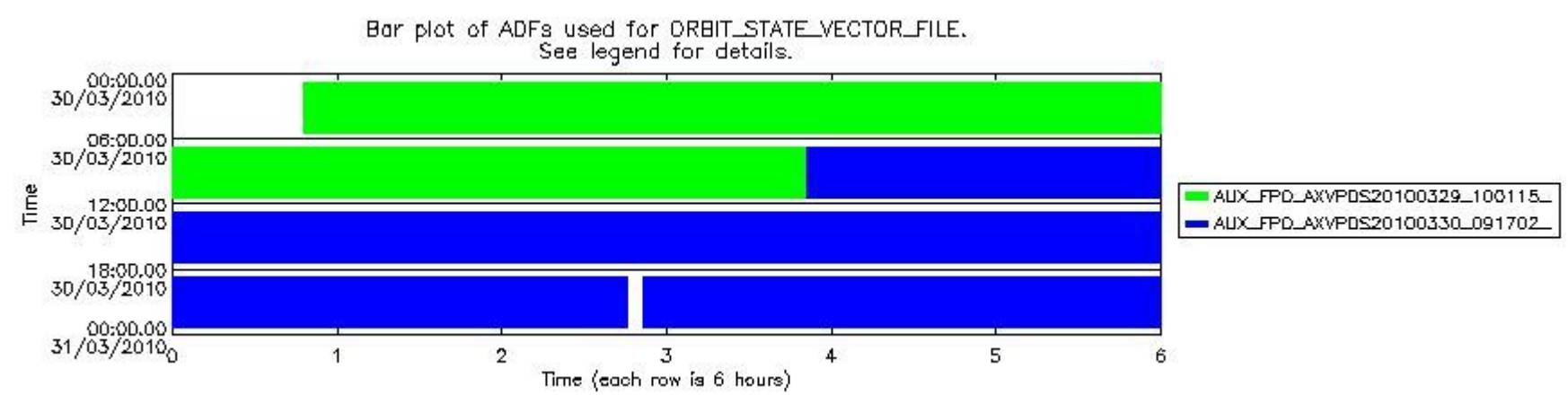
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

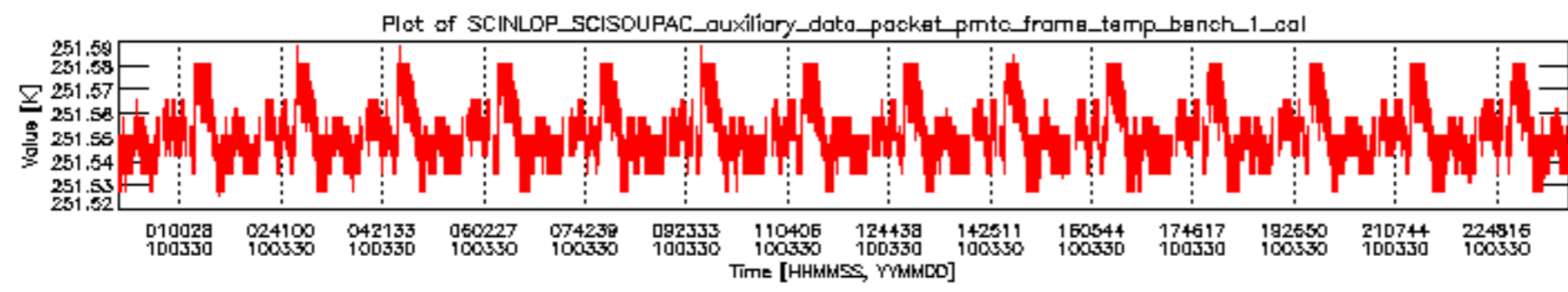
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100329_100115_20100328_184940_20100407_201553
2	AUX_FPO_AXVPDS20100330_091702_20100329_195839_20100408_212451

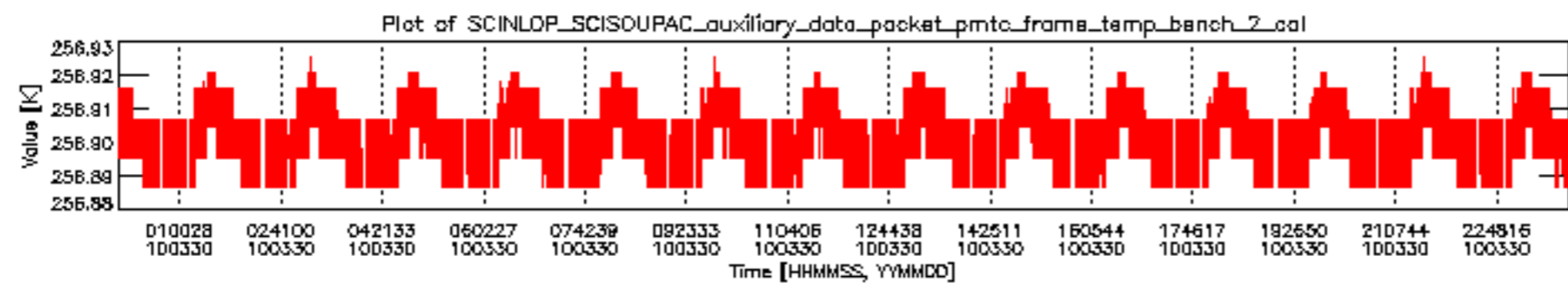


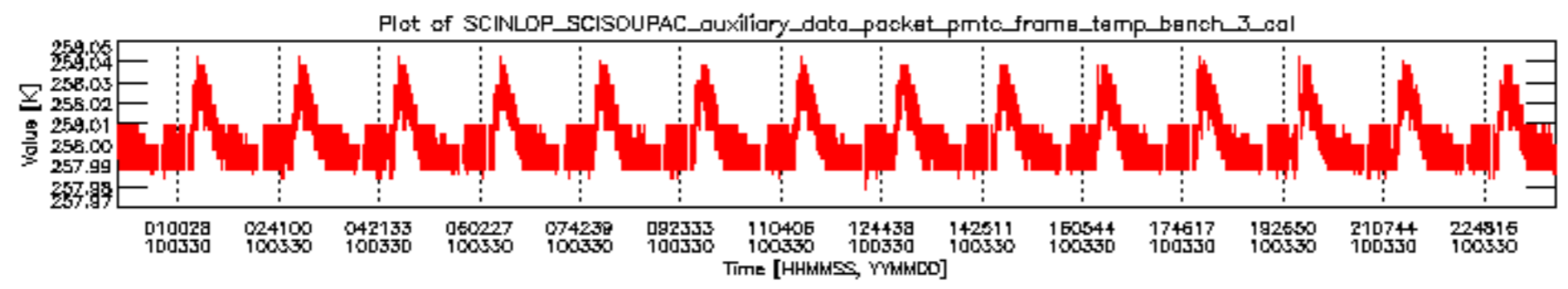
sciamachy_daily_report_level0_Any_version_20100330_7.PNG

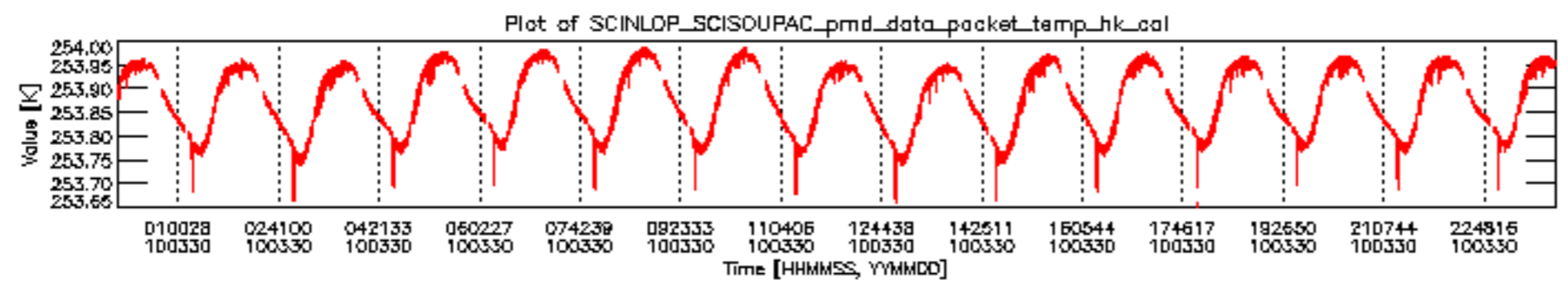


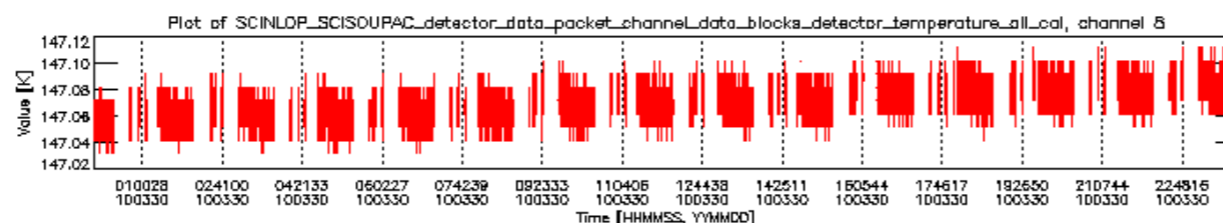
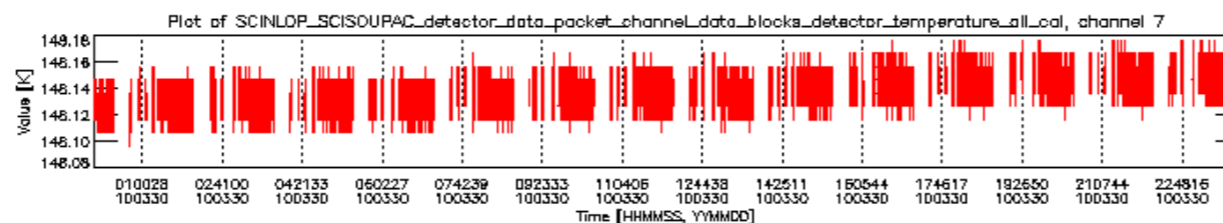
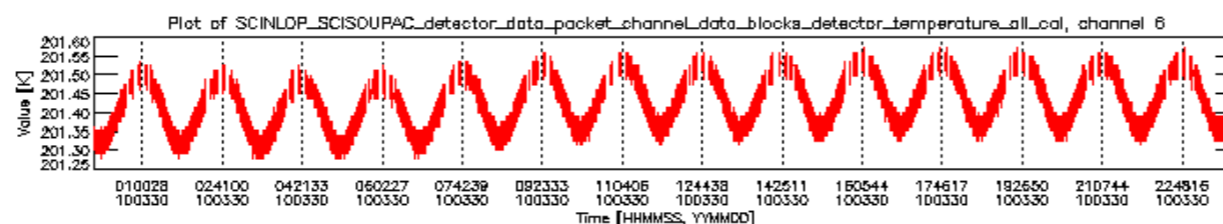
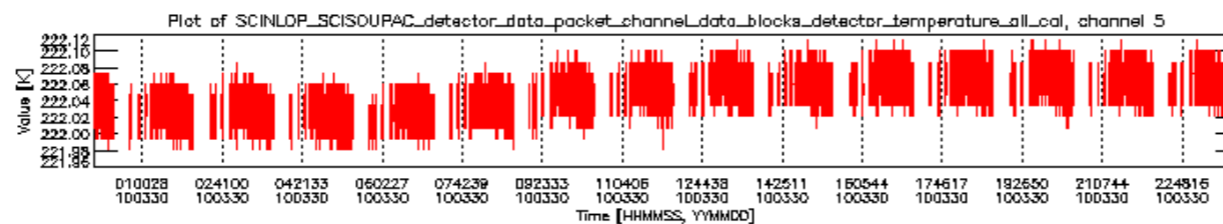
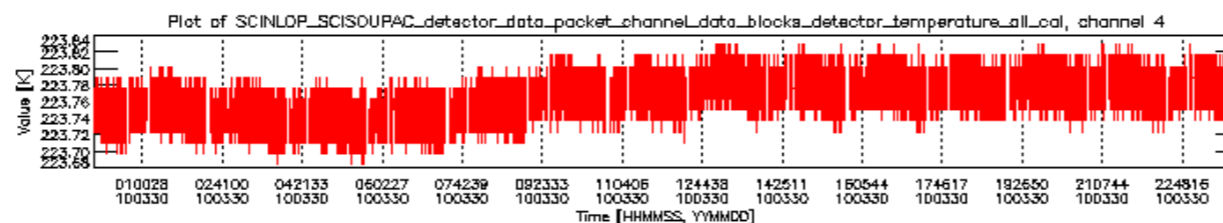
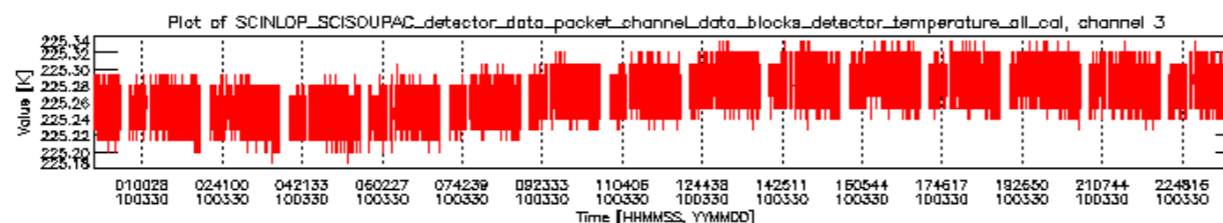
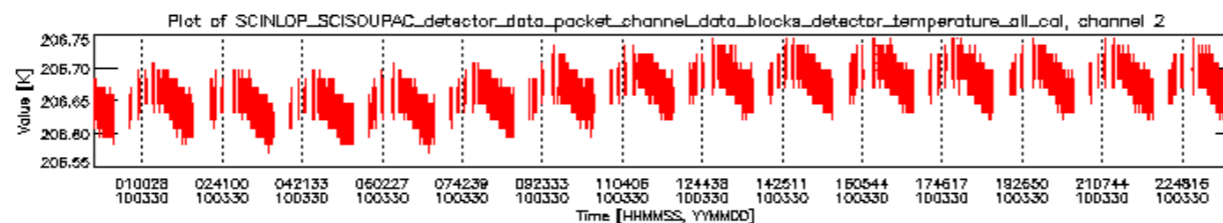
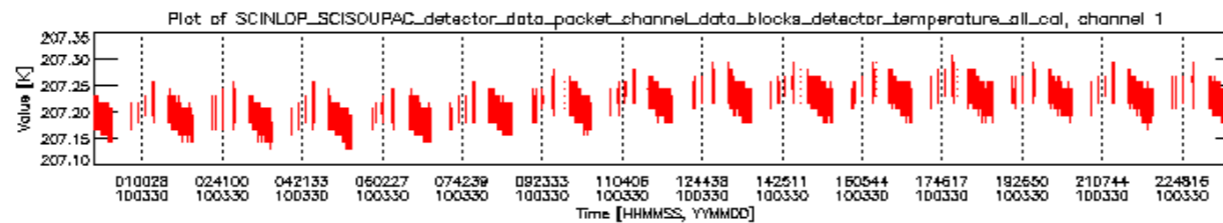
sciamachy_daily_report_level0_Any_version_20100330_8.PNG

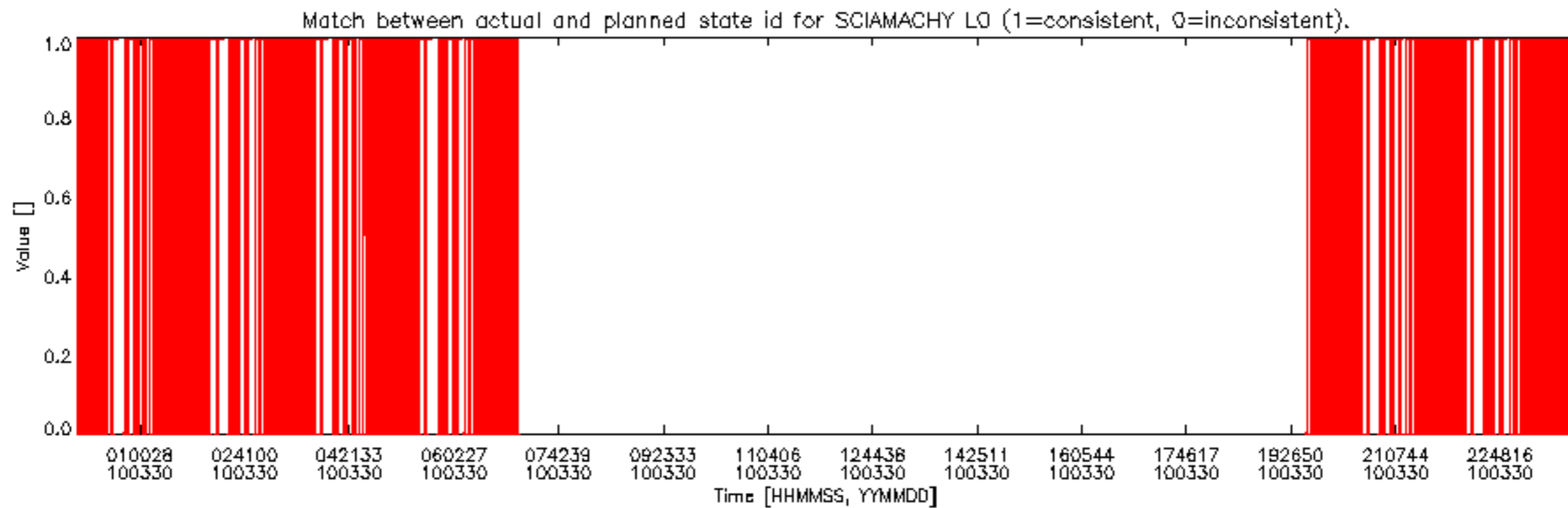
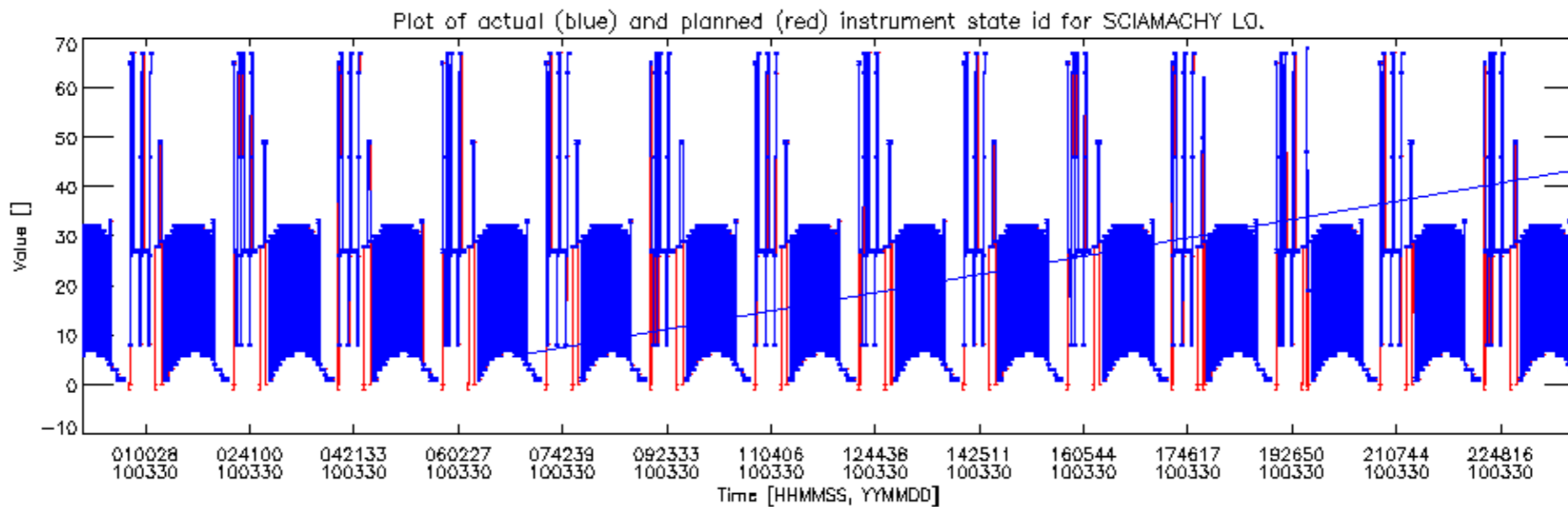




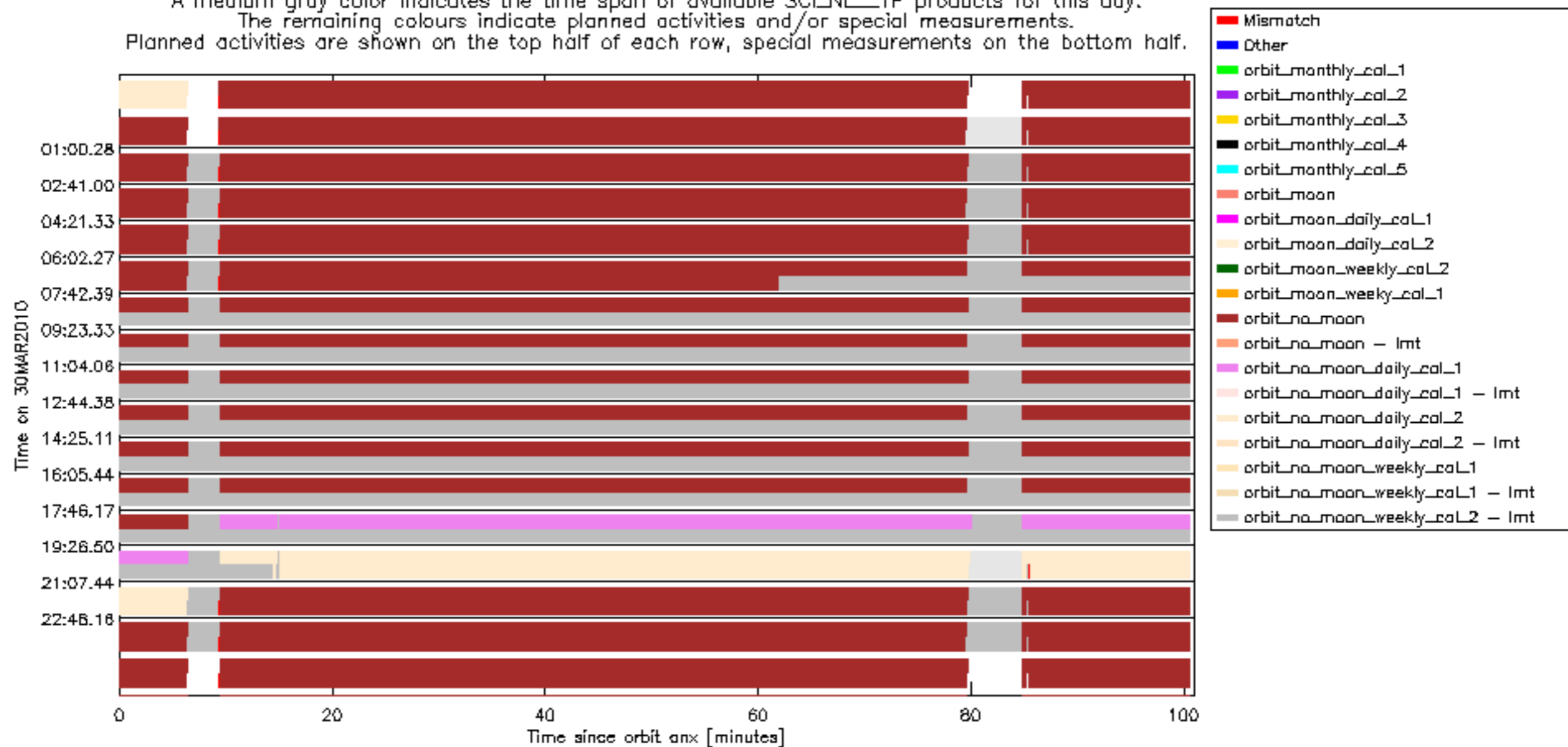


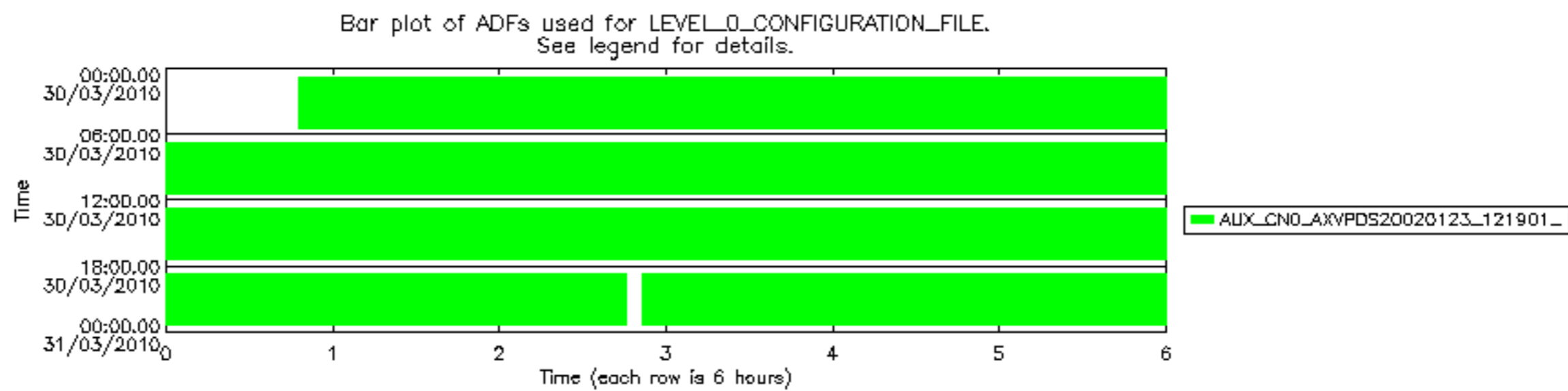






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 The remaining colours indicate planned activities and/or special measurements.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

