

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	21MAY2010 09:03:57
Data source version	<Any version>
Processing scope for products	03MAR2010 00:00:00 to 04MAR2010 00:00:00
Start time of first product within scope	03MAR2010 01:37:19
Stop time of last product within scope	03MAR2010 22:11:34
Total number of Level 0 products	14
Number of Level 0 products with errors	0

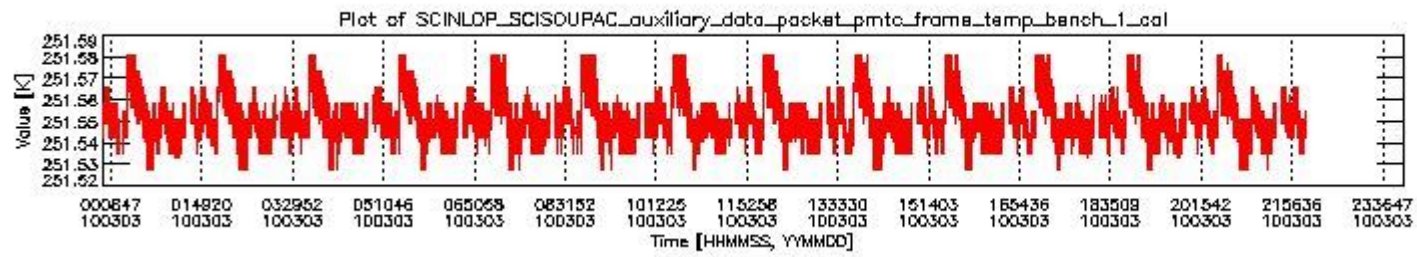
0.1.2 Summary per product

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

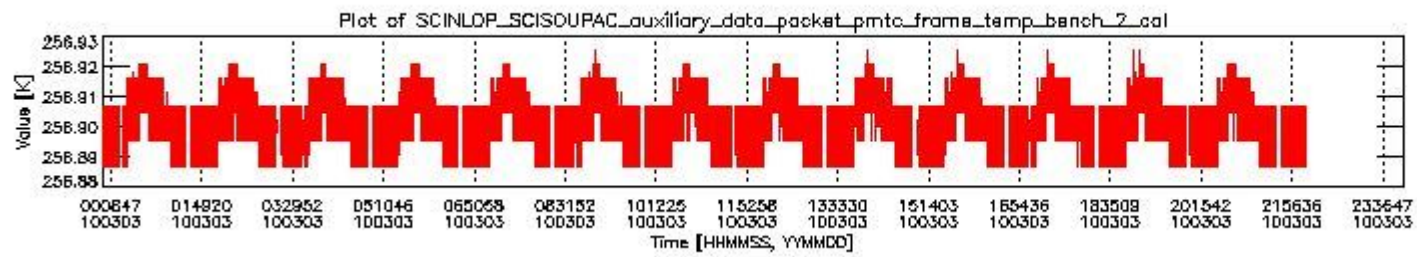
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100303_013719_000046052087_00217_41854_1013.N1	03MAR2010 01:37:19	03MAR2010 02:54:04	0	0	0	0	0
1	SCI_NL__OPNPDE20100303_025255_000058552087_00218_41855_1014.N1	03MAR2010 02:52:55	03MAR2010 04:30:31	0	0	0	0	0
2	SCI_NL__OPNPDE20100303_042935_000061472087_00219_41856_1015.N1	03MAR2010 04:29:35	03MAR2010 06:12:02	0	0	0	0	0
3	SCI_NL__OPNPDK20100303_061106_000041132087_00220_41857_4241.N1	03MAR2010 06:11:06	03MAR2010 07:19:39	0	0	0	0	0
4	SCI_NL__OPNPDK20100303_071831_000061602087_00221_41858_4242.N1	03MAR2010 07:18:31	03MAR2010 09:01:11	0	0	0	0	0
5	SCI_NL__OPNPDK20100303_090002_000059802087_00222_41859_4243.N1	03MAR2010 09:00:02	03MAR2010 10:39:42	0	0	0	0	0
6	SCI_NL__OPNPDK20100303_103737_000060352087_00223_41860_4244.N1	03MAR2010 10:37:37	03MAR2010 12:18:12	0	0	0	0	0
7	SCI_NL__OPNPDK20100303_121608_000061042087_00224_41861_4245.N1	03MAR2010 12:16:08	03MAR2010 13:57:52	0	0	0	0	0
8	SCI_NL__OPNPDK20100303_135643_000060352087_00225_41862_4246.N1	03MAR2010 13:56:43	03MAR2010 15:37:19	0	0	0	0	0
9	SCI_NL__OPNPDK20100303_153515_000059512087_00226_41863_4247.N1	03MAR2010 15:35:15	03MAR2010 17:14:26	0	0	0	0	0
10	SCI_NL__OPNPDK20100303_171330_000059542087_00227_41864_4248.N1	03MAR2010 17:13:30	03MAR2010 18:52:44	0	0	0	0	0
11	SCI_NL__OPNPDK20100303_185120_000060352087_00228_41865_4249.N1	03MAR2010 18:51:20	03MAR2010 20:31:56	0	0	0	0	0
12	SCI_NL__OPNPDE20100303_203156_000039222087_00229_41866_1016.N1	03MAR2010 20:31:56	03MAR2010 21:37:17	0	0	0	0	0
13	SCI_NL__OPNPDE20100303_214424_000016302087_00229_41866_1017.N1	03MAR2010 21:44:24	03MAR2010 22:11:34	0	0	0	0	0

0.2 Product Quality Indicators

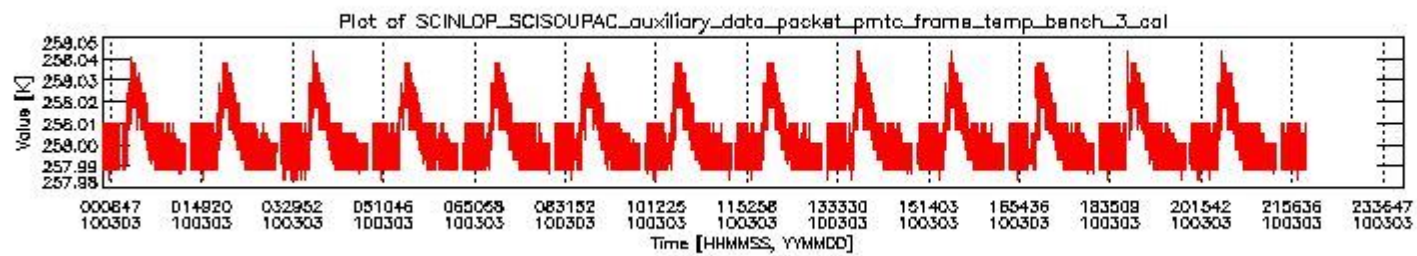
This section shows information about product quality, currently temperatures.



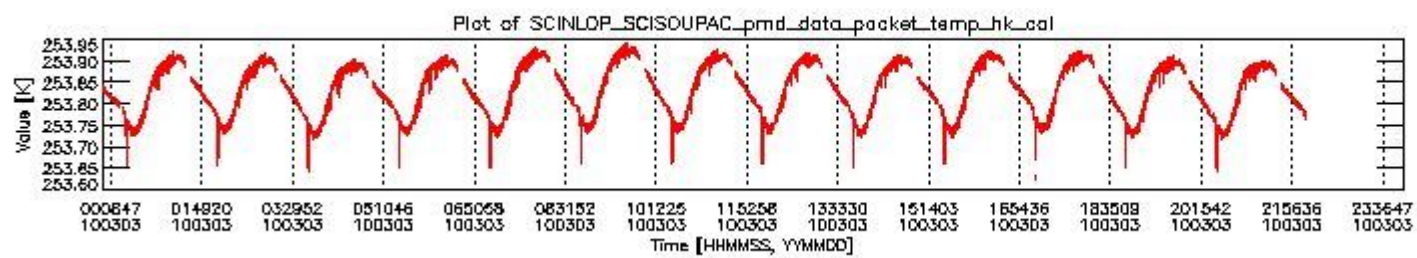
sciamachy_daily_report_level0_Any_version_20100303_0.PNG



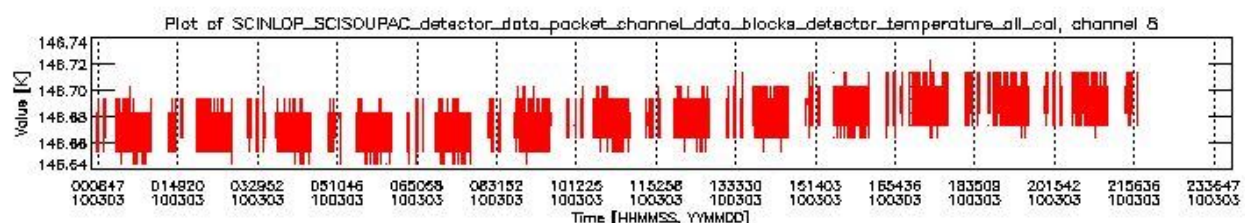
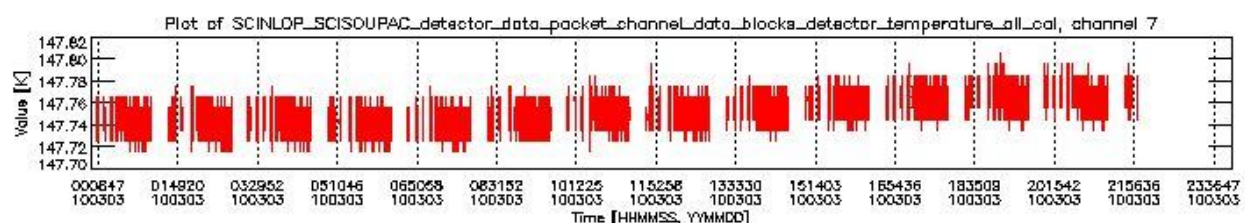
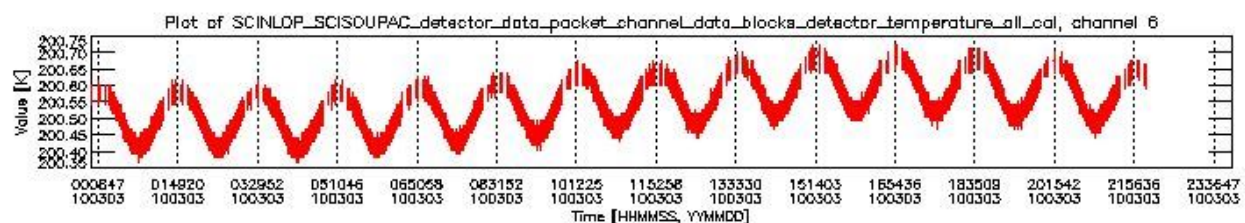
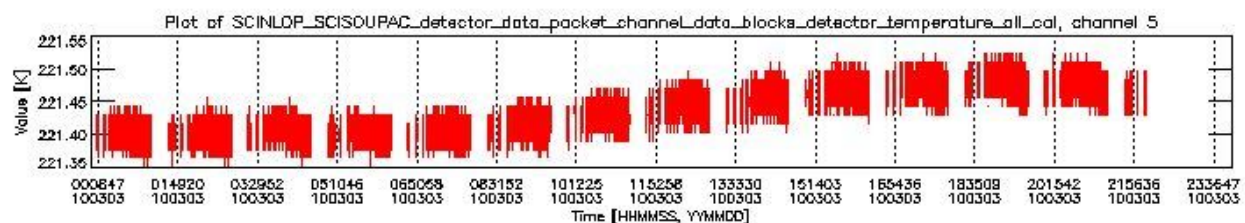
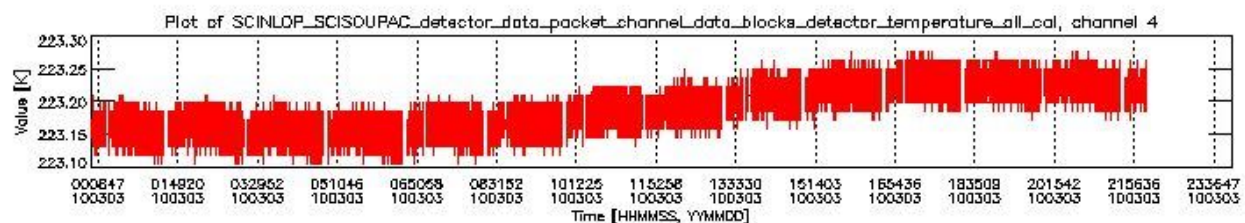
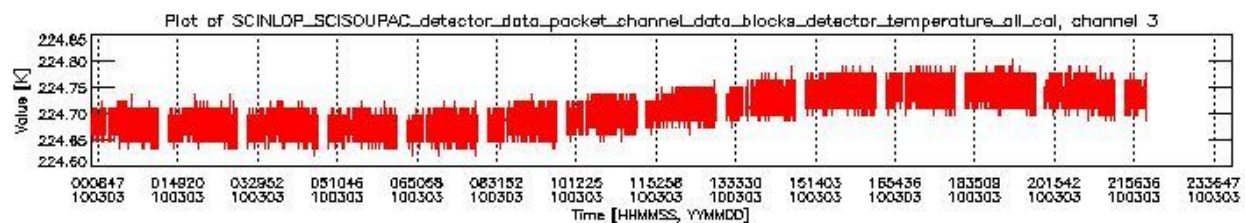
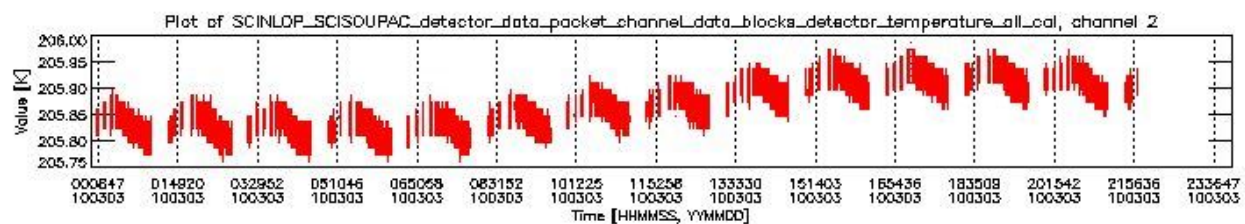
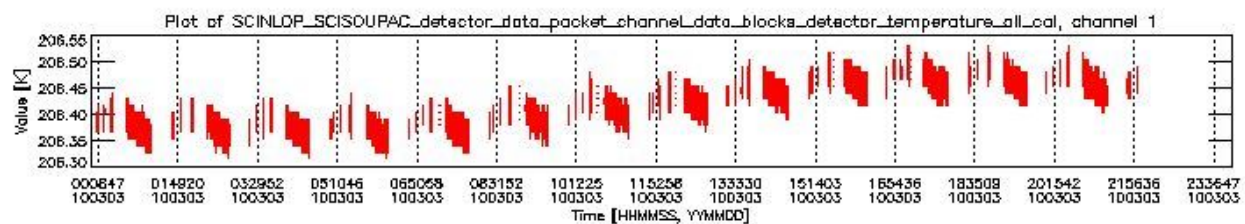
sciamachy_daily_report_level0_Any_version_20100303_1.PNG



sciamachy_daily_report_level0_Any_version_20100303_2.PNG



sciamachy_daily_report_level0_Any_version_20100303_3.PNG

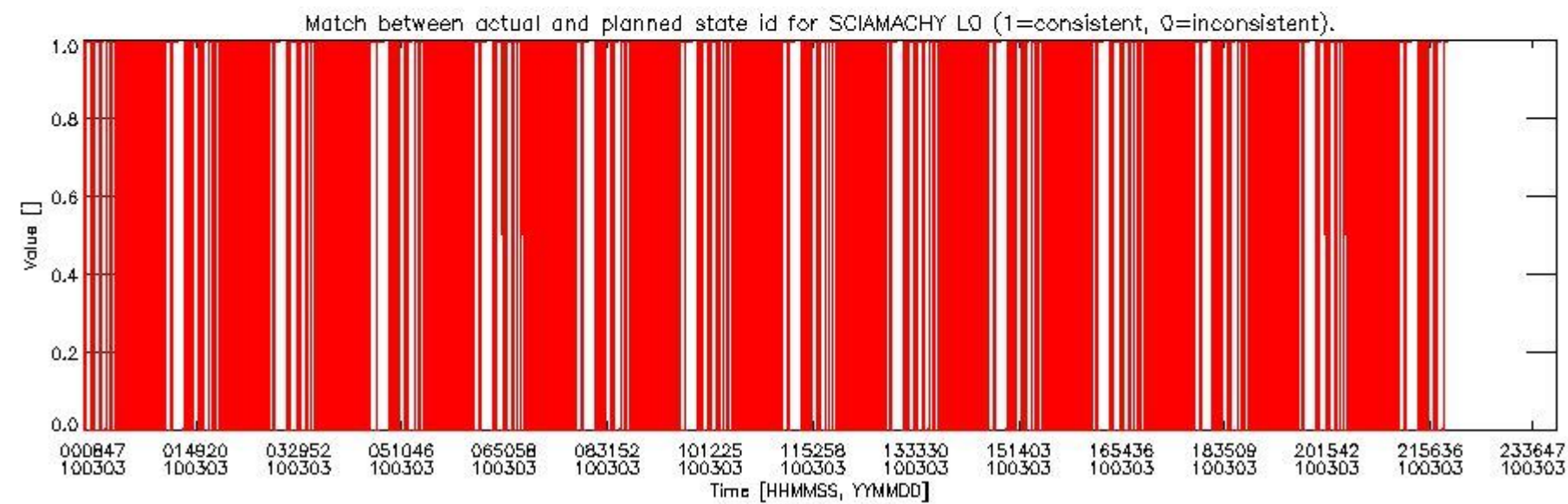
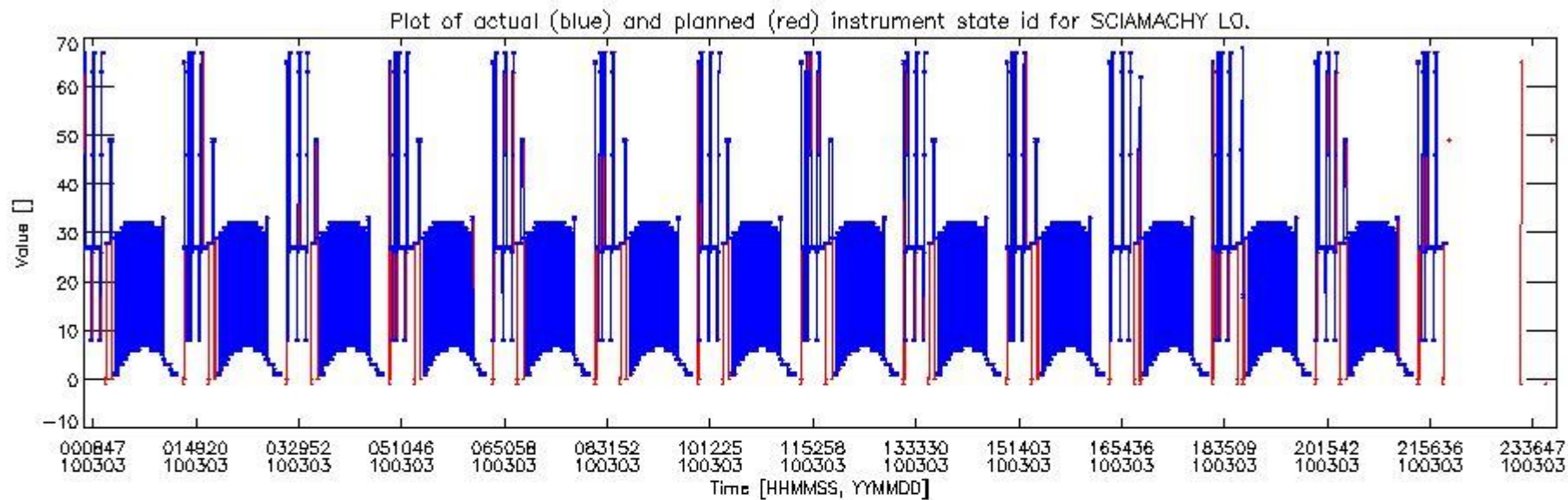


0.3 State monitoring

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: **64240**

#	Actual time	Actual value	Planned time	Planned value
0	03MAR2010 00:00:56.110455	27	03MAR2010 00:00:56.110455	67
1	03MAR2010 00:00:57.110455	27	03MAR2010 00:00:57.110455	67
2	03MAR2010 00:00:58.047955	27	03MAR2010 00:00:58.047955	67
3	03MAR2010 00:00:58.797955	27	03MAR2010 00:00:58.797955	67
4	03MAR2010 00:00:59.735455	27	03MAR2010 00:00:59.735455	67
5	03MAR2010 00:01:00.485455	27	03MAR2010 00:01:00.485455	67
6	03MAR2010 00:01:01.110455	27	03MAR2010 00:01:01.110455	67
7	03MAR2010 00:01:01.422955	27	03MAR2010 00:01:01.422955	67
8	03MAR2010 00:01:02.172955	27	03MAR2010 00:01:02.172955	67
9	03MAR2010 00:01:03.110455	27	03MAR2010 00:01:03.110455	67
10	03MAR2010 00:01:03.860455	27	03MAR2010 00:01:03.860455	67
11	03MAR2010 00:01:04.797955	27	03MAR2010 00:01:04.797955	67
12	03MAR2010 00:01:05.547955	27	03MAR2010 00:01:05.547955	67
13	03MAR2010 00:01:06.110455	27	03MAR2010 00:01:06.110455	67
14	03MAR2010 00:01:06.485455	27	03MAR2010 00:01:06.485455	67
15	03MAR2010 00:01:07.235455	27	03MAR2010 00:01:07.235455	67
16	03MAR2010 00:01:08.172955	27	03MAR2010 00:01:08.172955	67
17	03MAR2010 00:01:08.922955	27	03MAR2010 00:01:08.922955	67
18	03MAR2010 00:01:09.860455	27	03MAR2010 00:01:09.860455	67
19	03MAR2010 00:01:10.610455	27	03MAR2010 00:01:10.610455	67
...

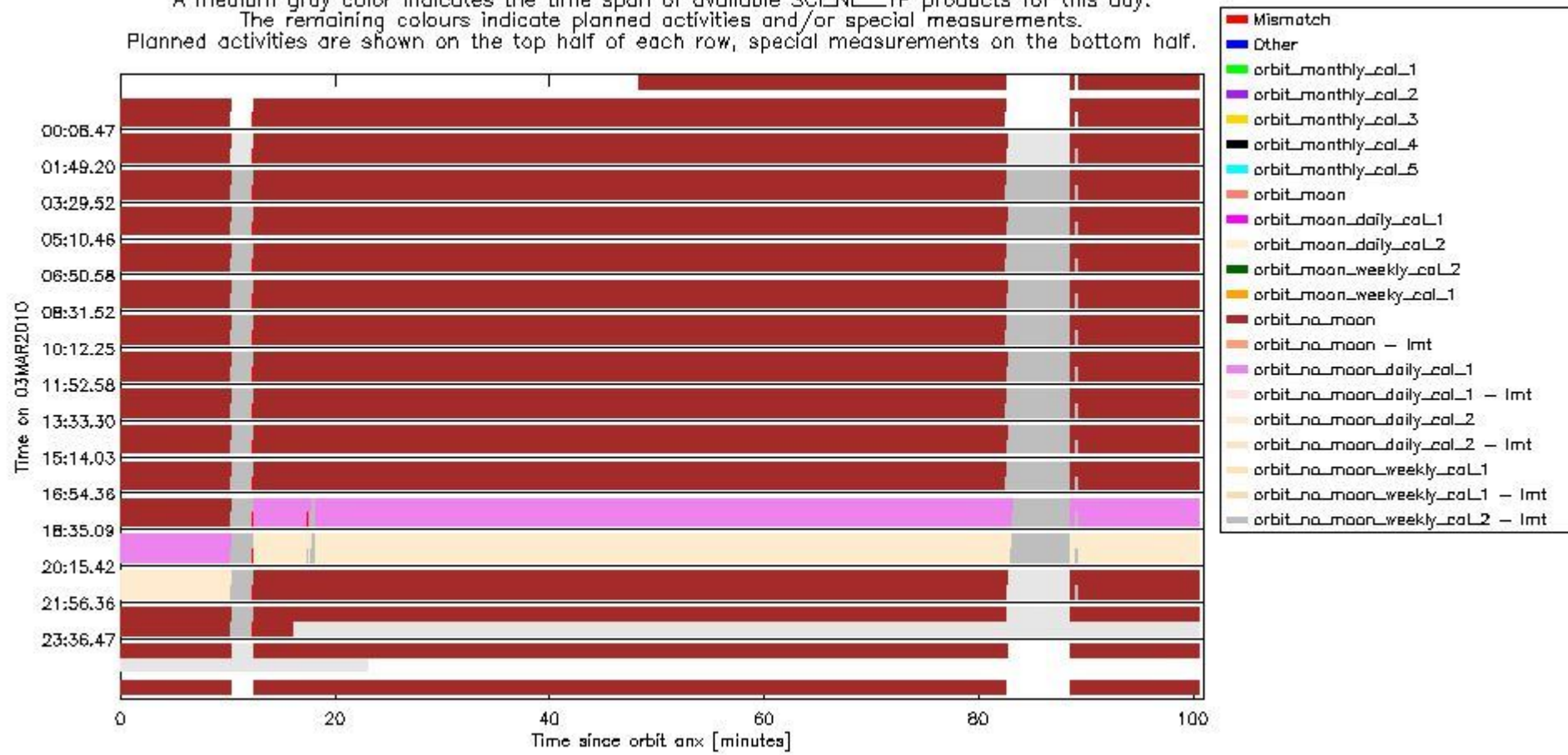


sciamachy_daily_report_level0_Any_version_20100303_5.PNG

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 03MAR2010.
 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_20100303_6.PNG

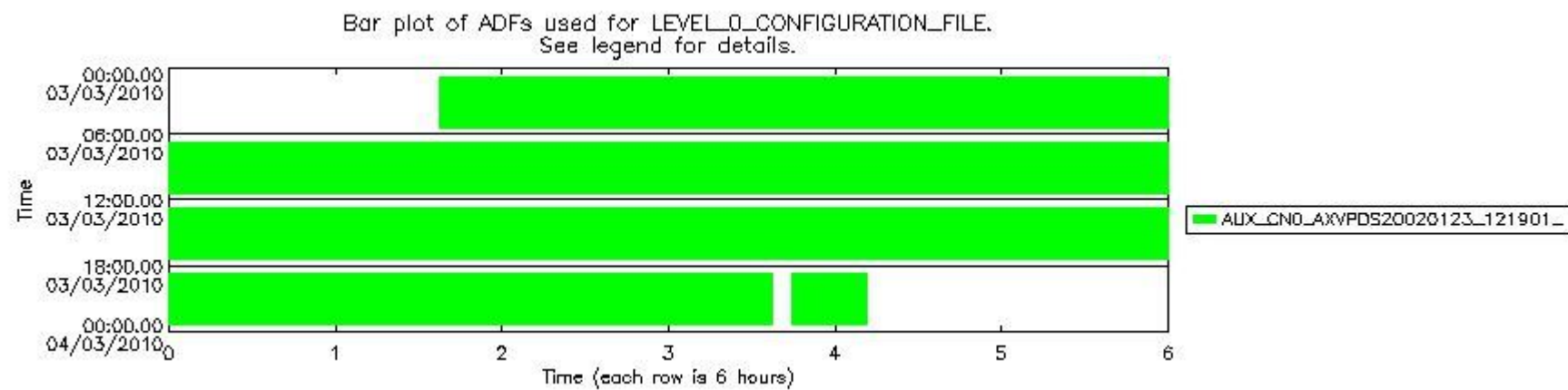
0.4 ADF monitoring

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

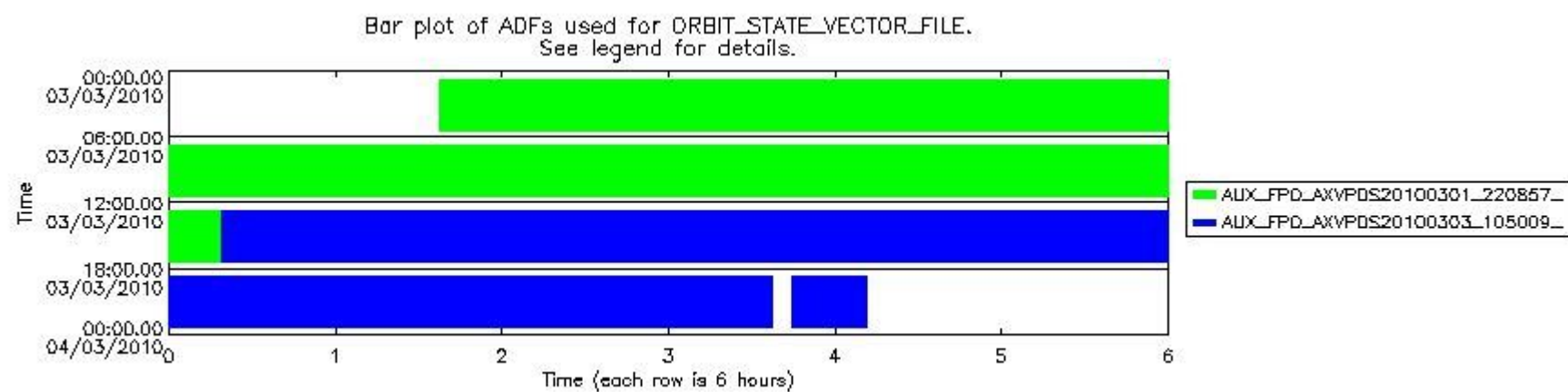
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

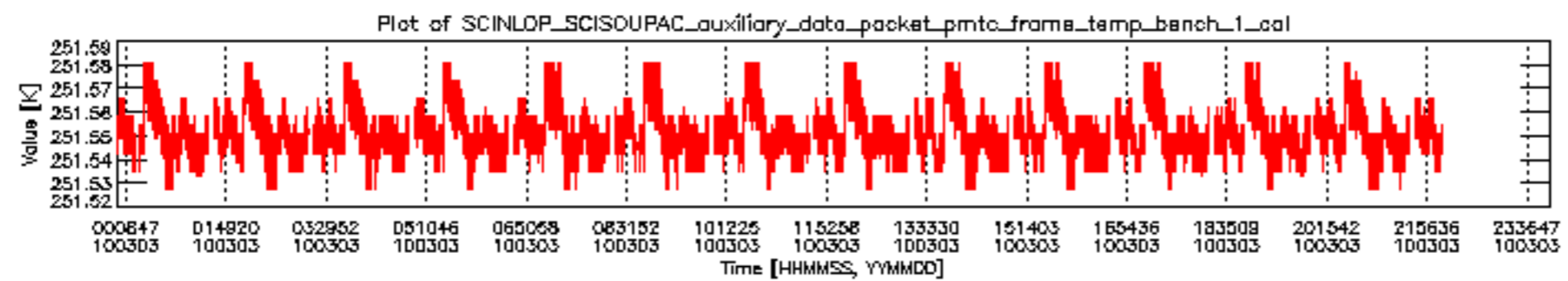
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100301_220857_20100301_193831_20100311_210445
2	AUX_FPO_AXVPDS20100303_105009_20100302_190654_20100312_203308

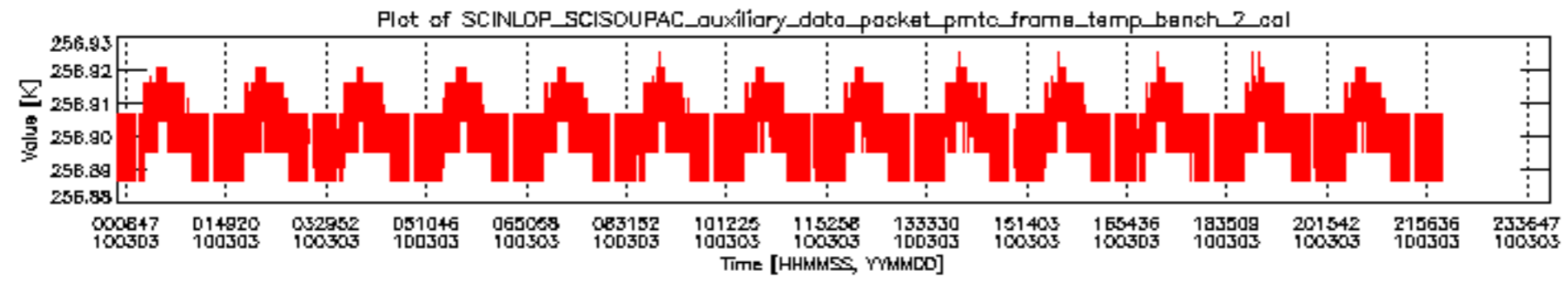


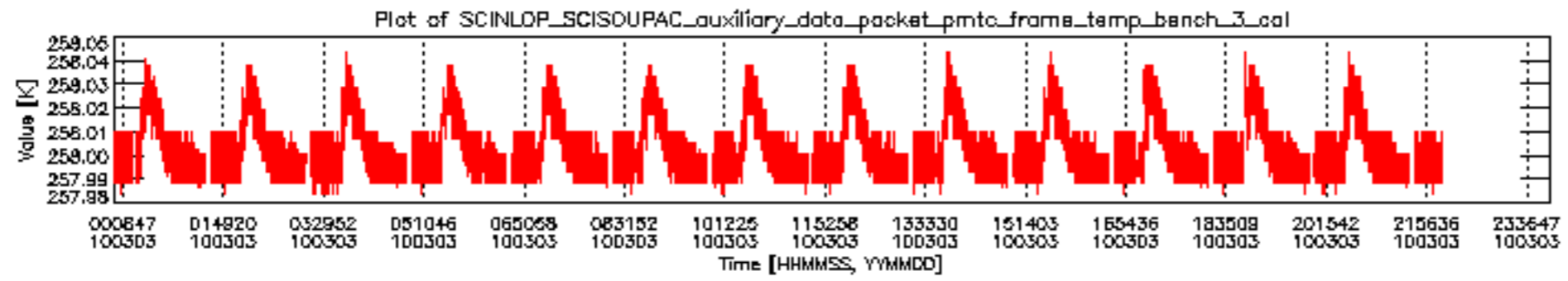
sciamachy_daily_report_level0_Any_version_20100303_7.PNG

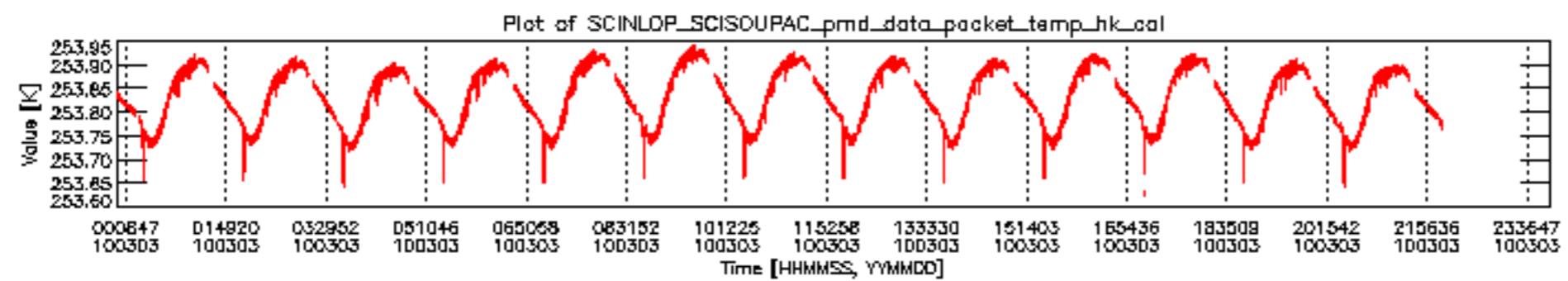


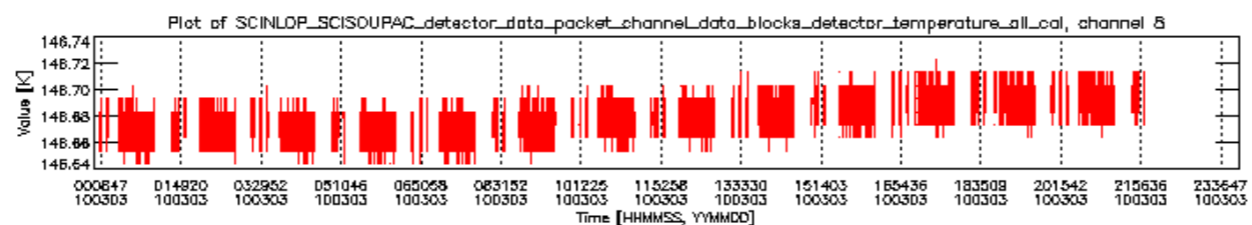
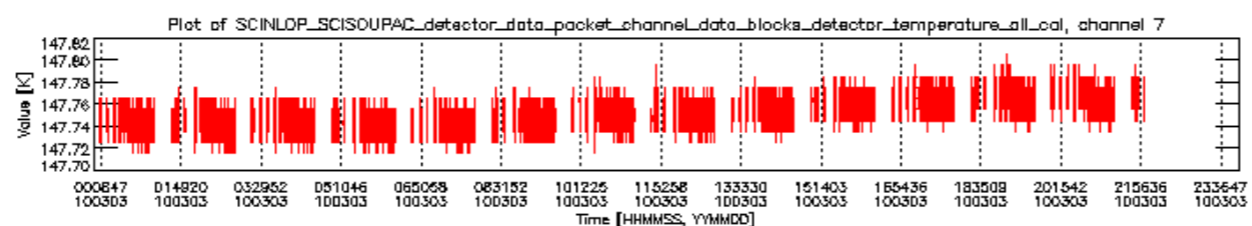
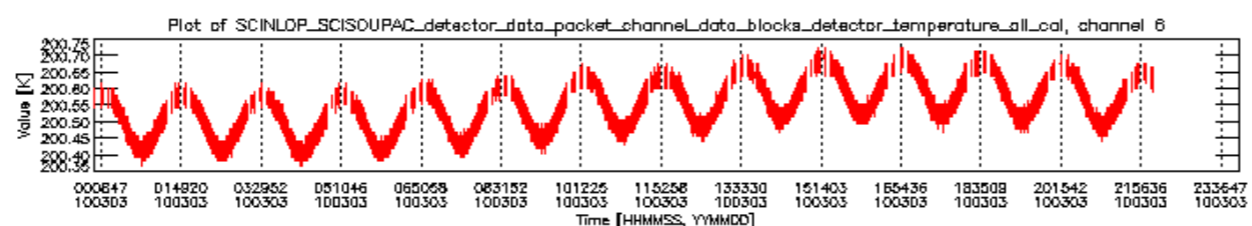
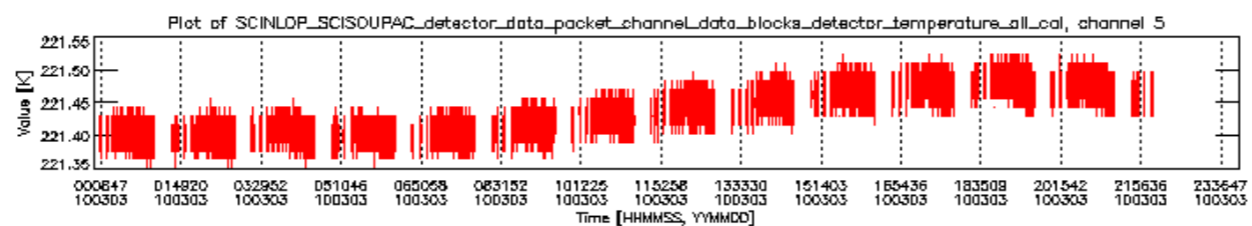
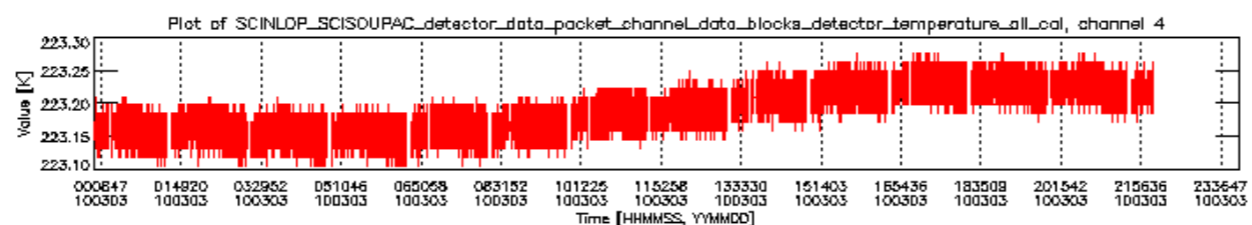
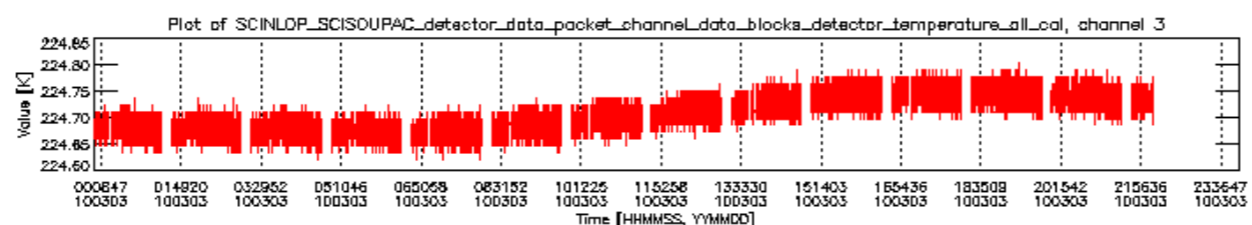
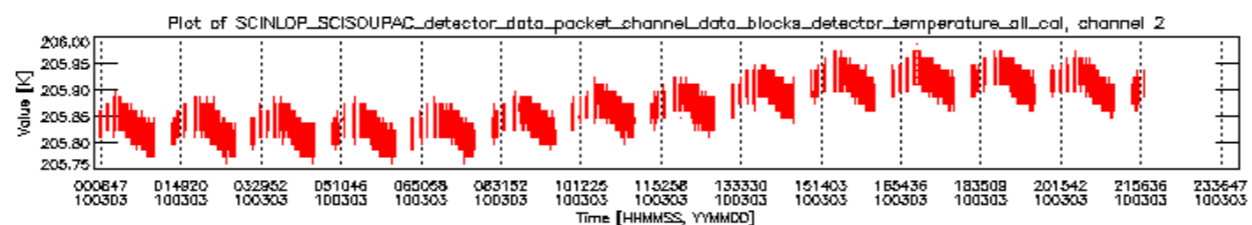
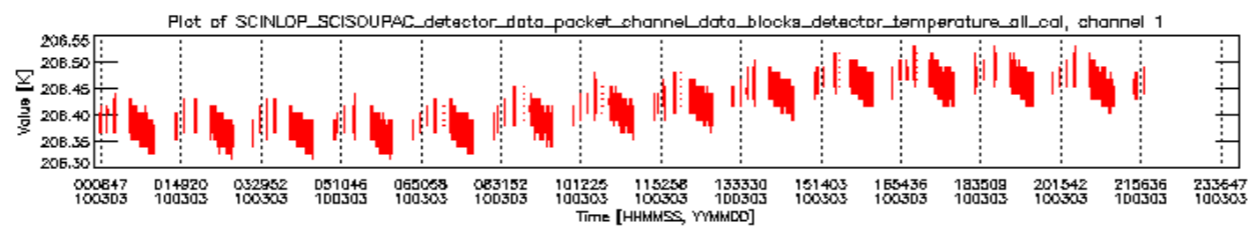
sciamachy_daily_report_level0_Any_version_20100303_8.PNG

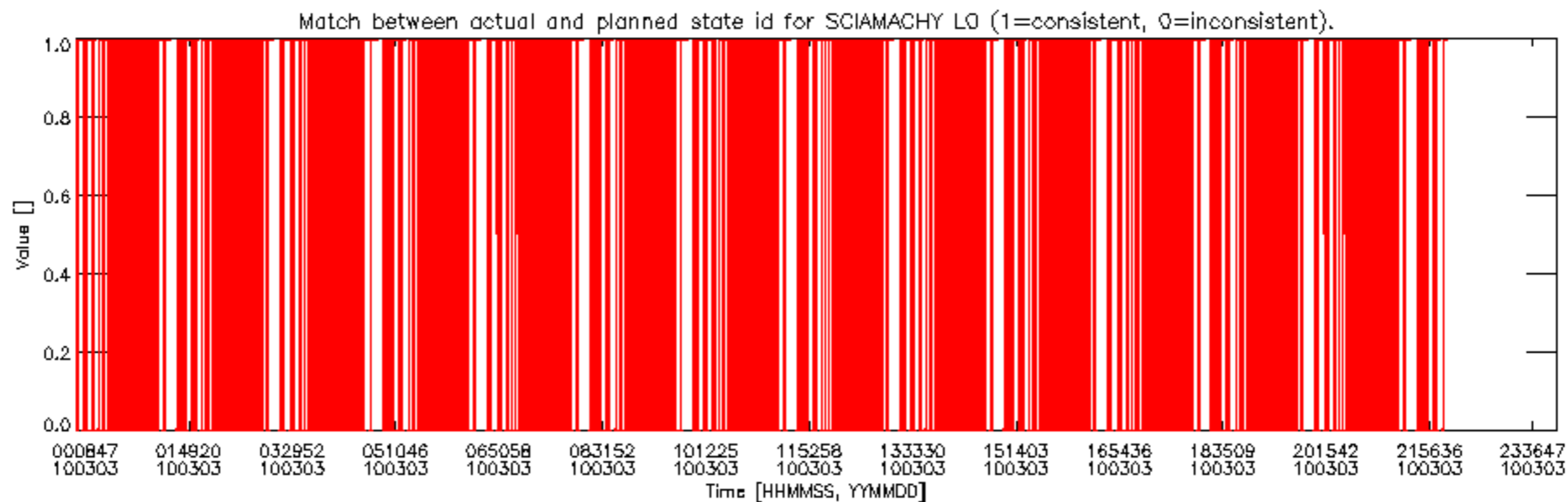
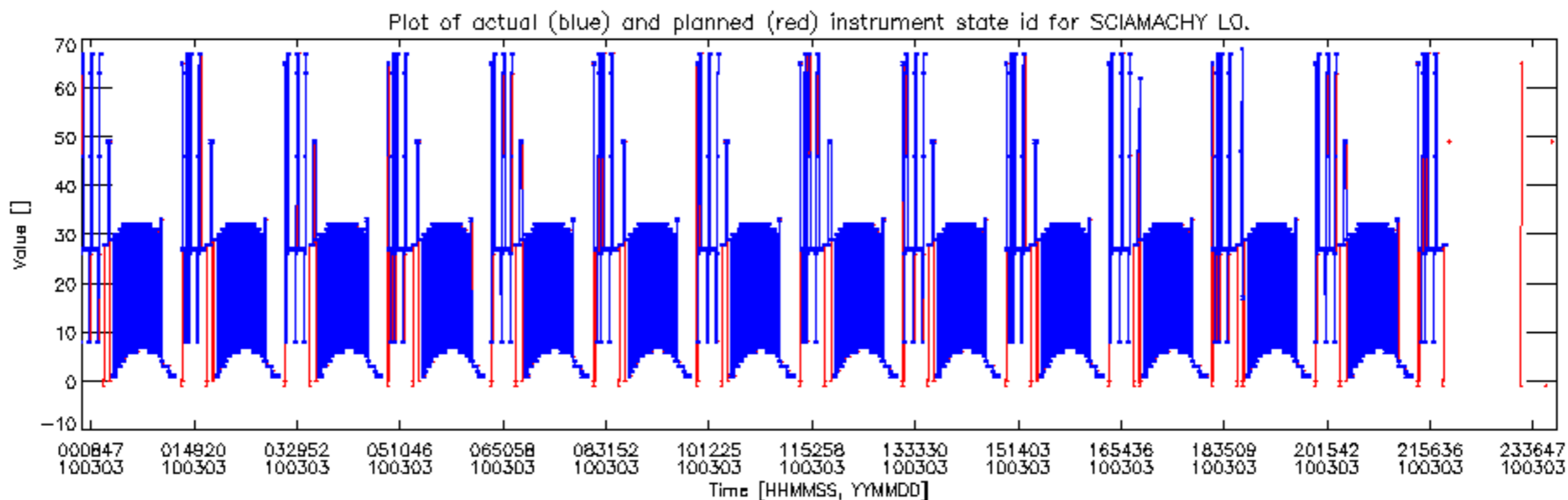




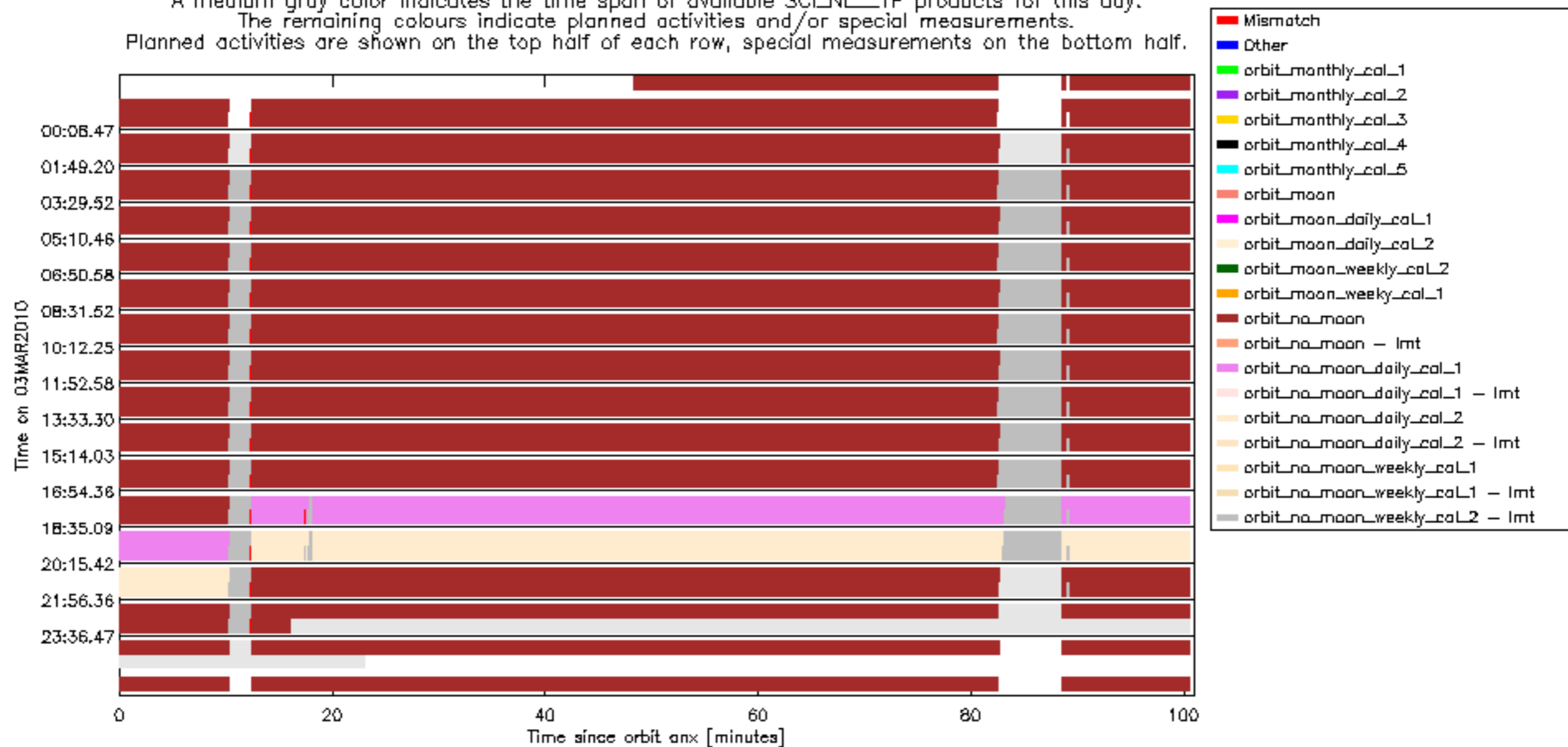


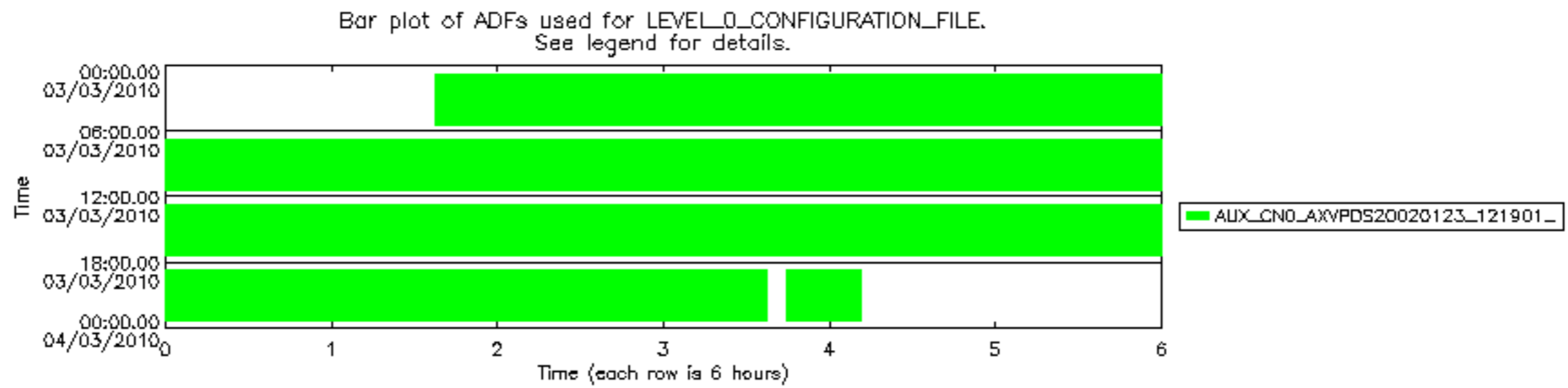


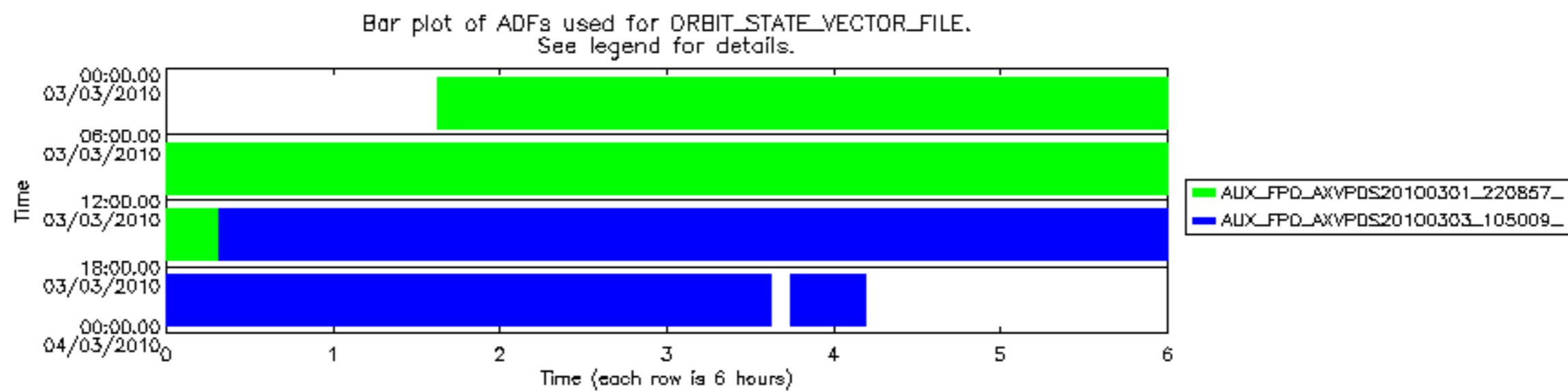


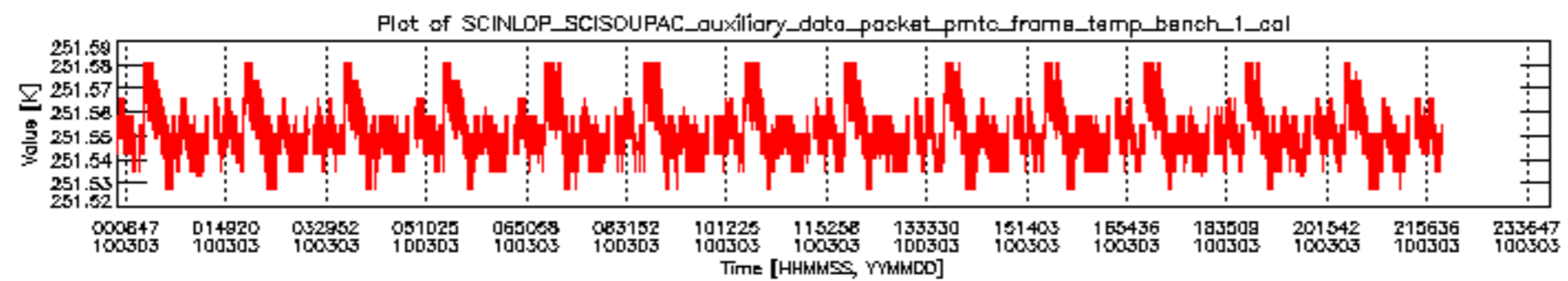


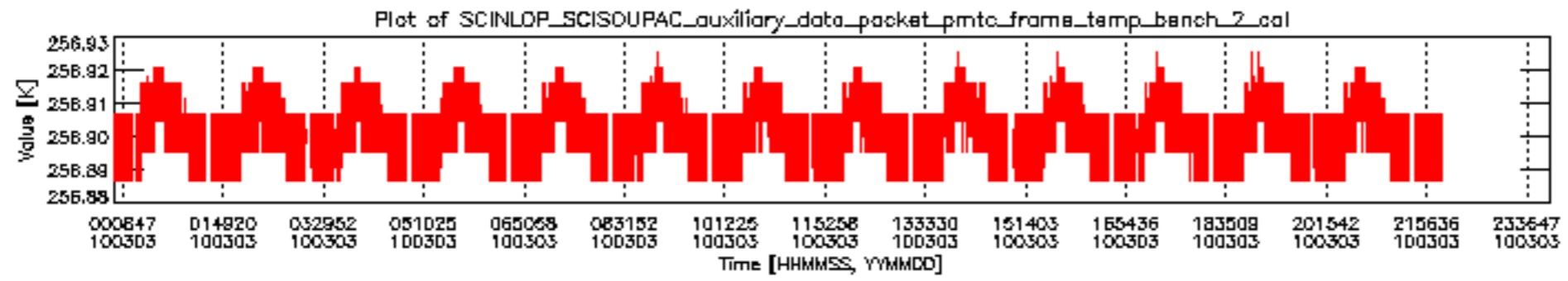
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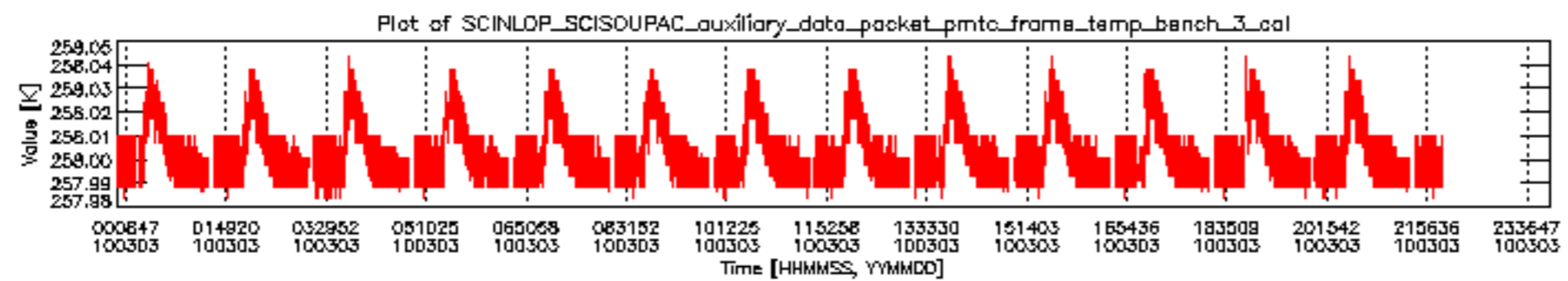


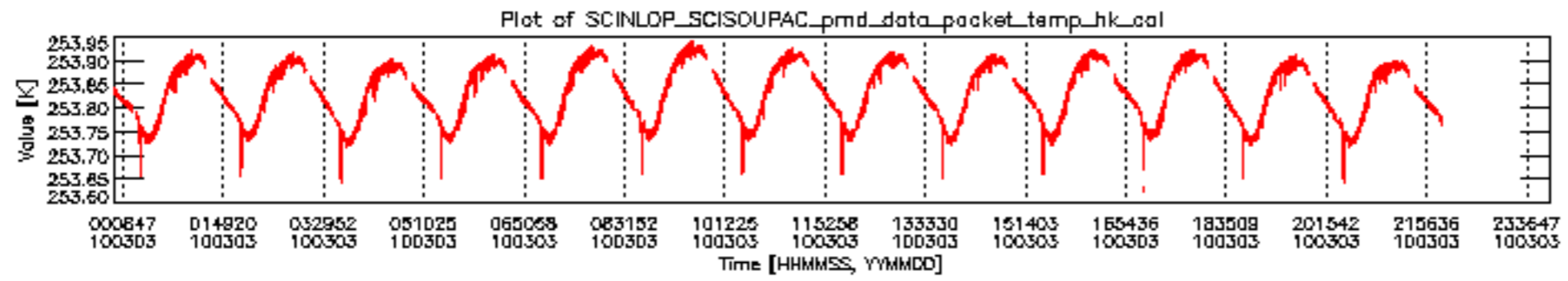


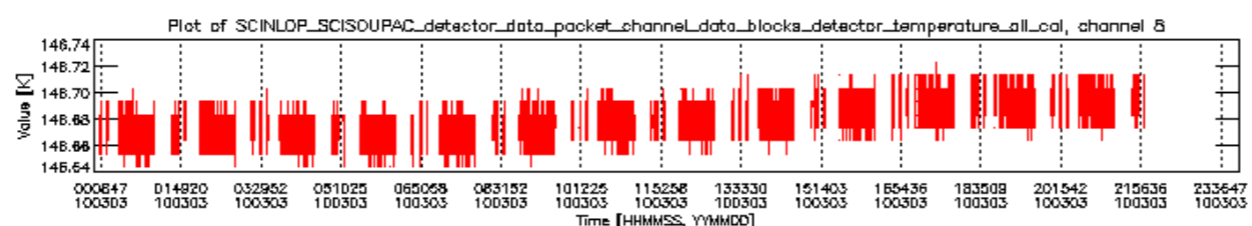
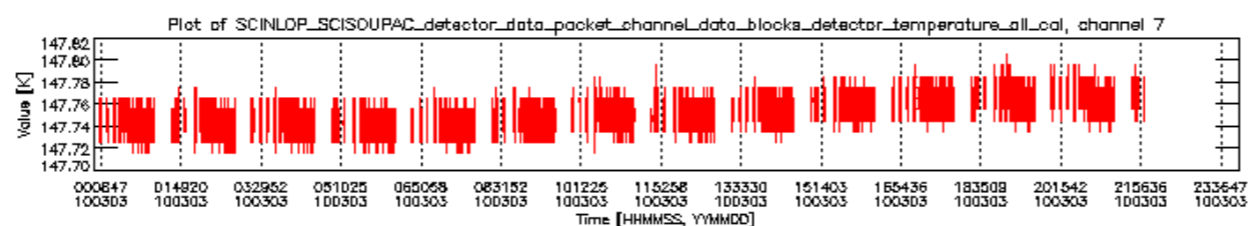
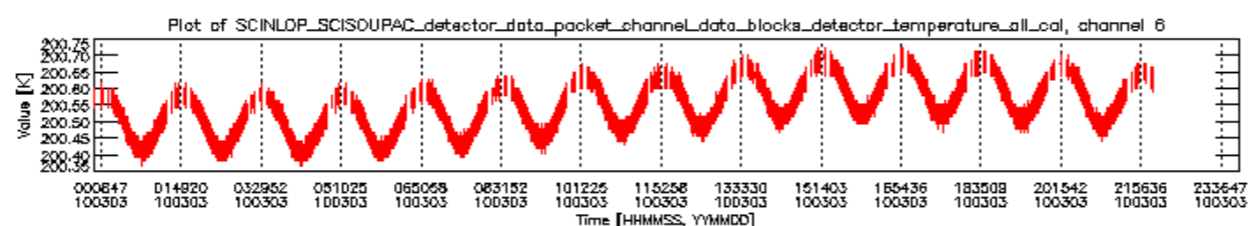
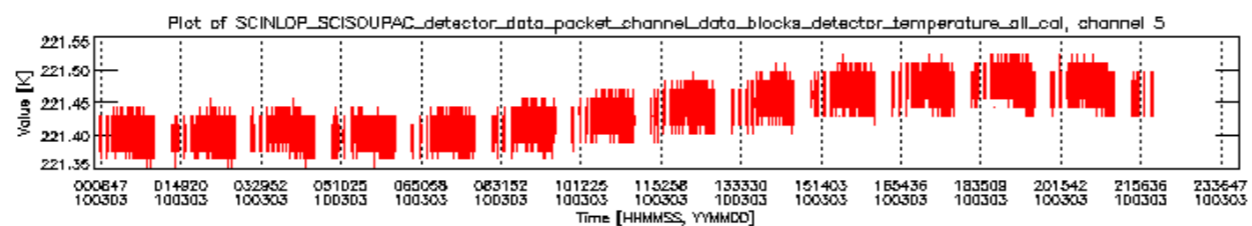
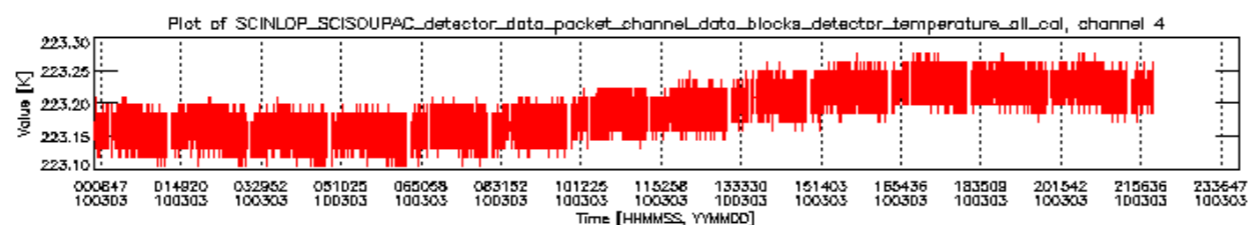
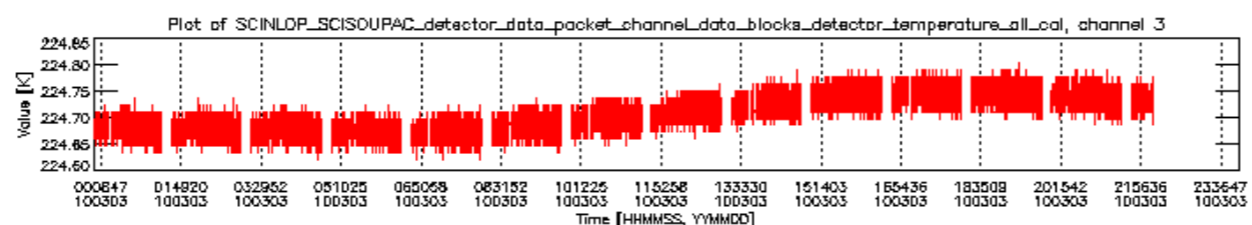
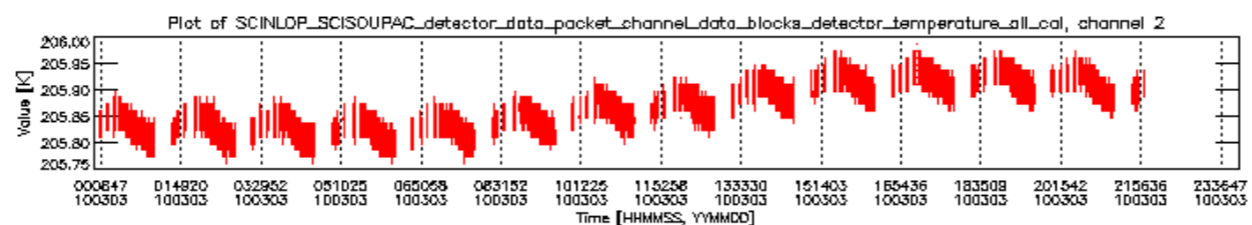
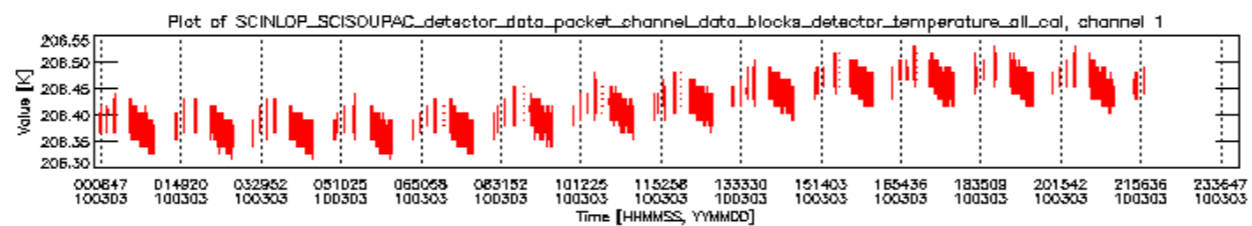


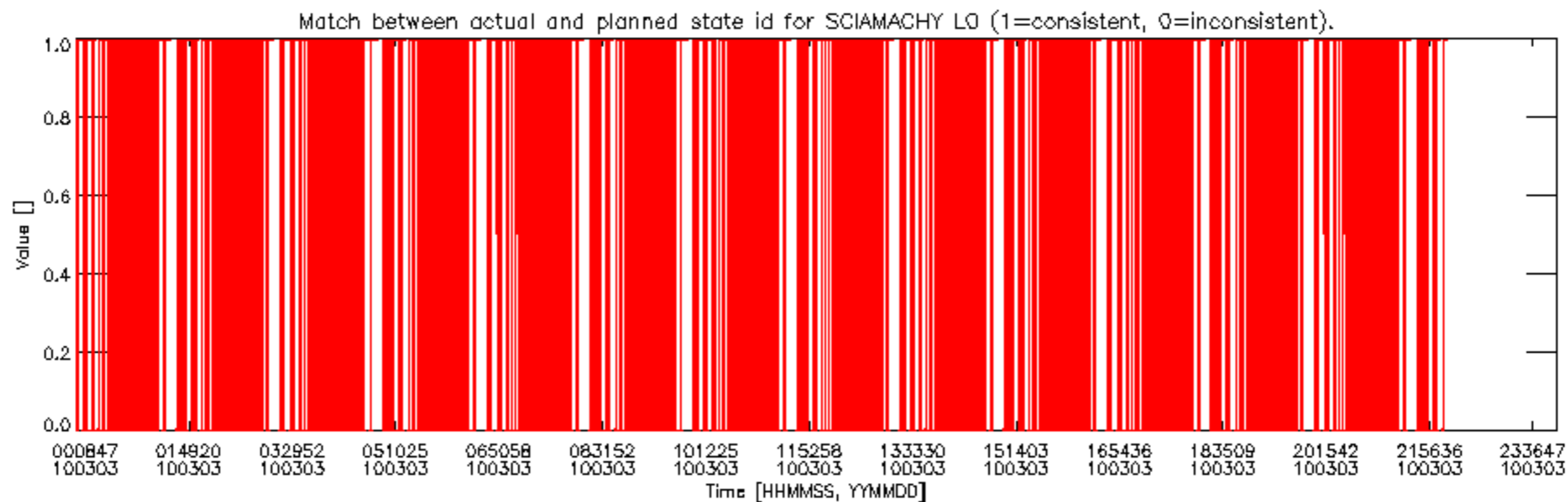
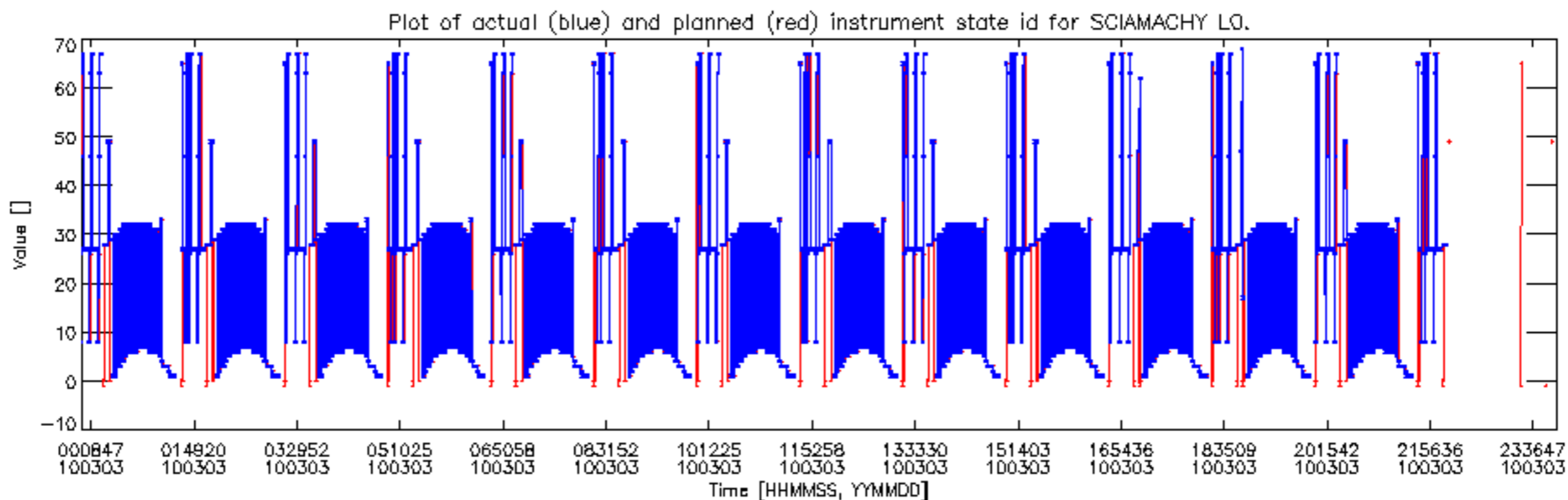












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