

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	v1.4 20100407
Time of report generation	21MAY2010 09:04:39
Data source version	<Any version>
Processing scope for products	05MAR2010 00:00:00 to 06MAR2010 00:00:00
Start time of first product within scope	05MAR2010 08:00:42
Stop time of last product within scope	06MAR2010 00:03:32
Total number of Level 0 products	10
Number of Level 0 products with errors	1

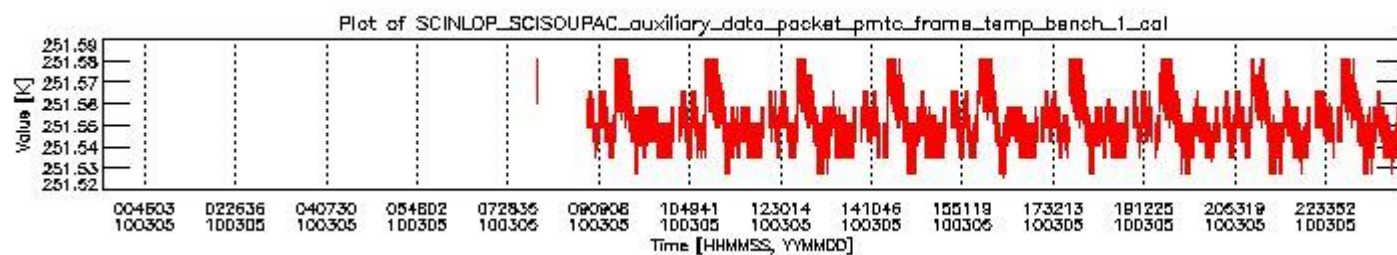
0.1.2 Summary per product

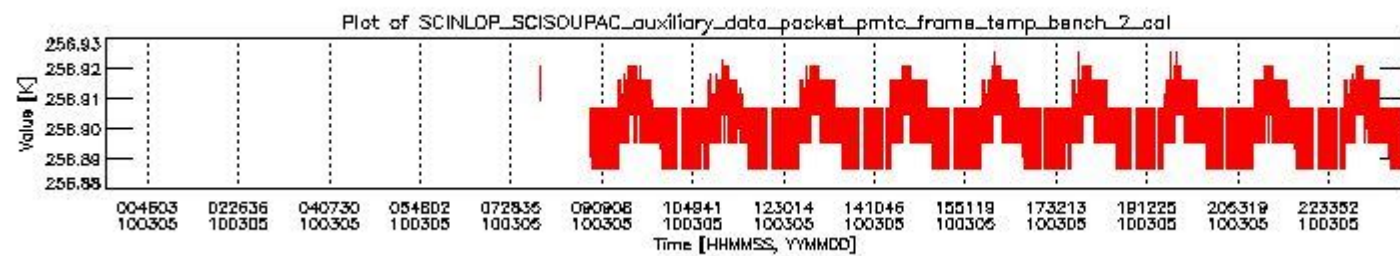
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20100305_080042_000058572087_00250_41887_4250.N1	05MAR2010 08:00:42	05MAR2010 09:38:19	0	0	0	0	0
1	SCI_NL__0PNPDK20100305_093819_000059672087_00251_41888_4251.N1	05MAR2010 09:38:19	05MAR2010 11:17:46	1	1	0	0	0
2	SCI_NL__0PNPDK20100305_111650_000060352087_00252_41889_4252.N1	05MAR2010 11:16:50	05MAR2010 12:57:25	0	0	0	0	0
3	SCI_NL__0PNPDK20100305_125521_000059672087_00253_41890_4253.N1	05MAR2010 12:55:21	05MAR2010 14:34:48	0	0	0	0	0
4	SCI_NL__0PNPDK20100305_143243_000060482087_00254_41891_4254.N1	05MAR2010 14:32:43	05MAR2010 16:13:31	0	0	0	0	0
5	SCI_NL__0PNPDK20100305_161223_000059512087_00255_41892_4255.N1	05MAR2010 16:12:23	05MAR2010 17:51:33	0	0	0	0	0
6	SCI_NL__0PNPDK20100305_174957_000059112087_00256_41893_4256.N1	05MAR2010 17:49:57	05MAR2010 19:28:28	0	0	0	0	0
7	SCI_NL__0PNPDK20100305_192828_000060352087_00257_41894_4257.N1	05MAR2010 19:28:28	05MAR2010 21:09:04	0	0	0	0	0
8	SCI_NL__0PNPDE20100305_210904_000043452087_00258_41895_1018.N1	05MAR2010 21:09:04	05MAR2010 22:21:29	0	0	0	0	0
9	SCI_NL__0PNPDE20100305_222129_000061232087_00258_41895_1019.N1	05MAR2010 22:21:29	06MAR2010 00:03:32	0	0	0	0	0

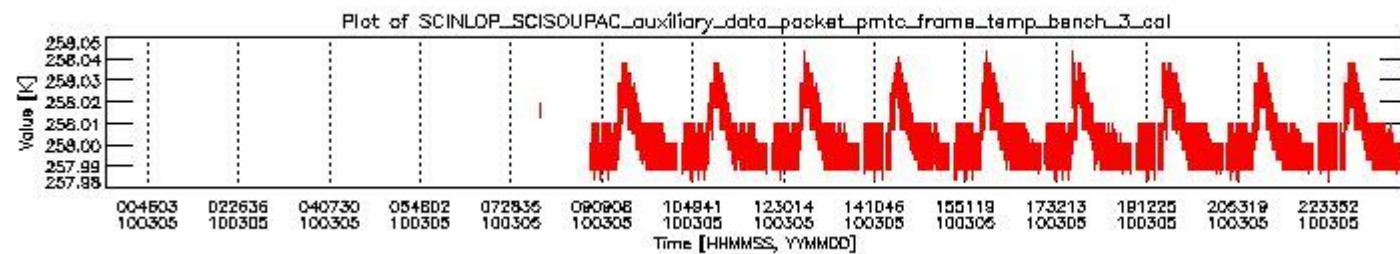
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

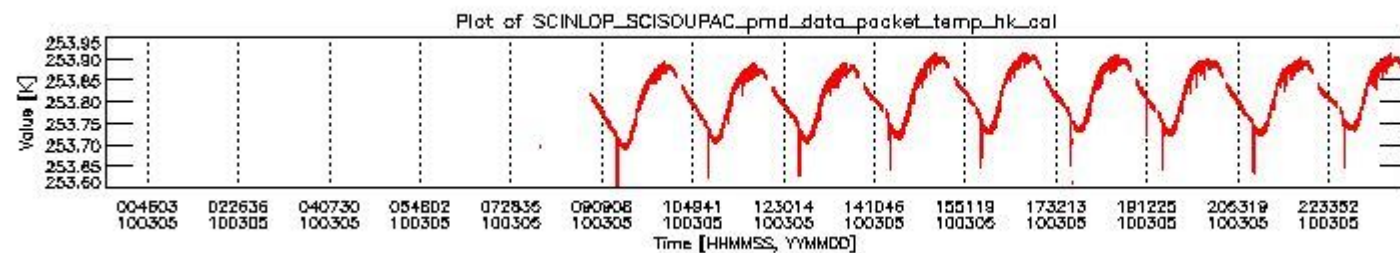




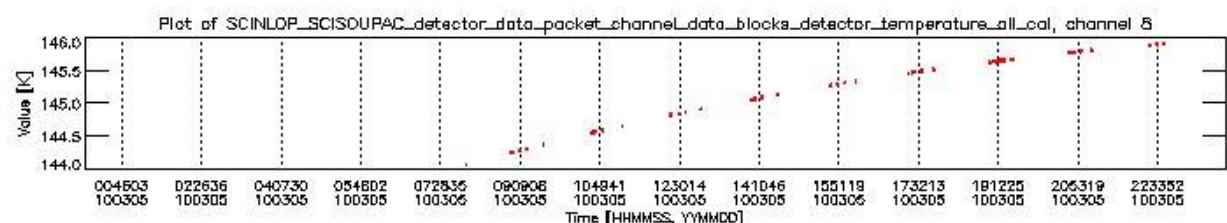
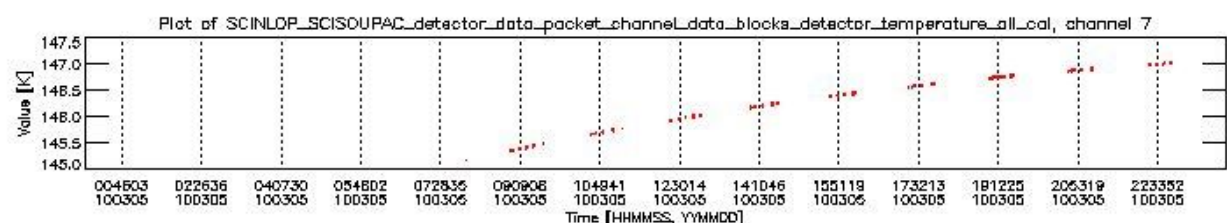
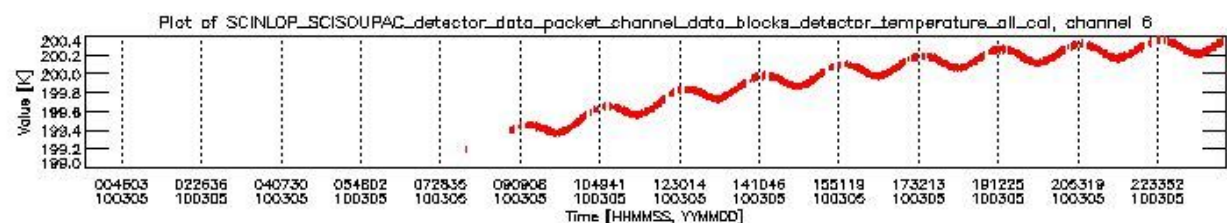
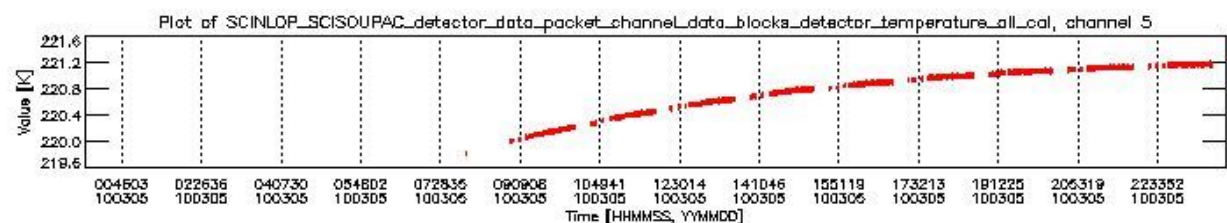
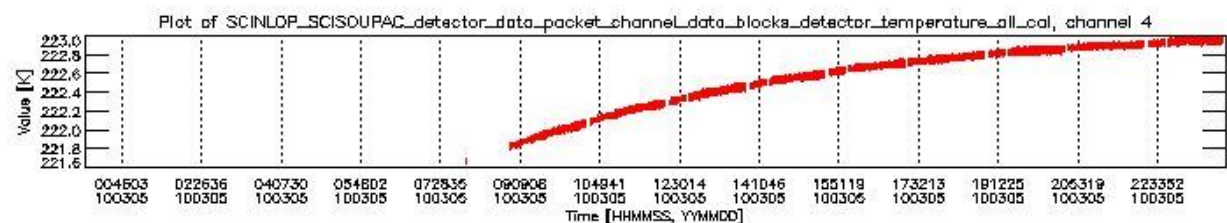
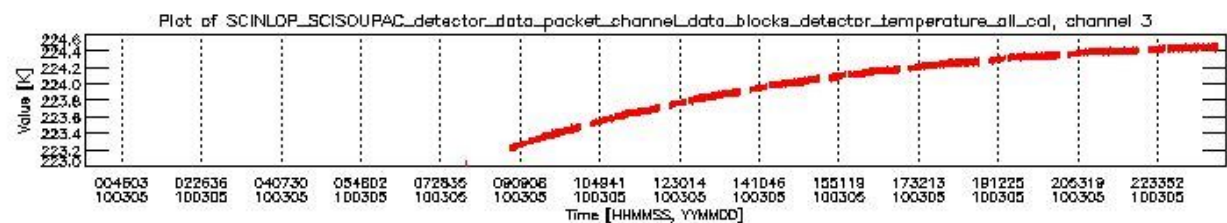
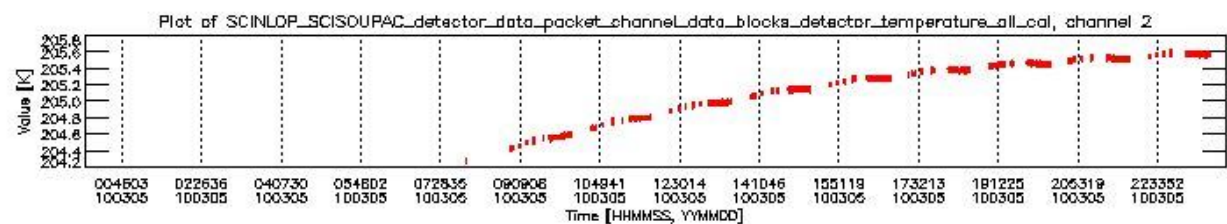
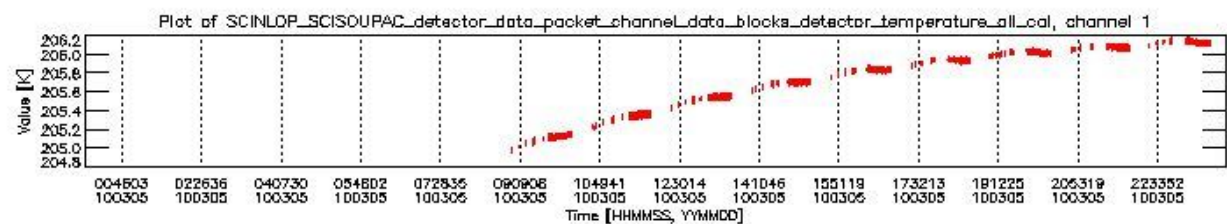
sciamachy_daily_report_level0_Any_version_20100305_1.PNG



sciamachy_daily_report_level0_Any_version_20100305_2.PNG



sciamachy_daily_report_level0_Any_version_20100305_3.PNG

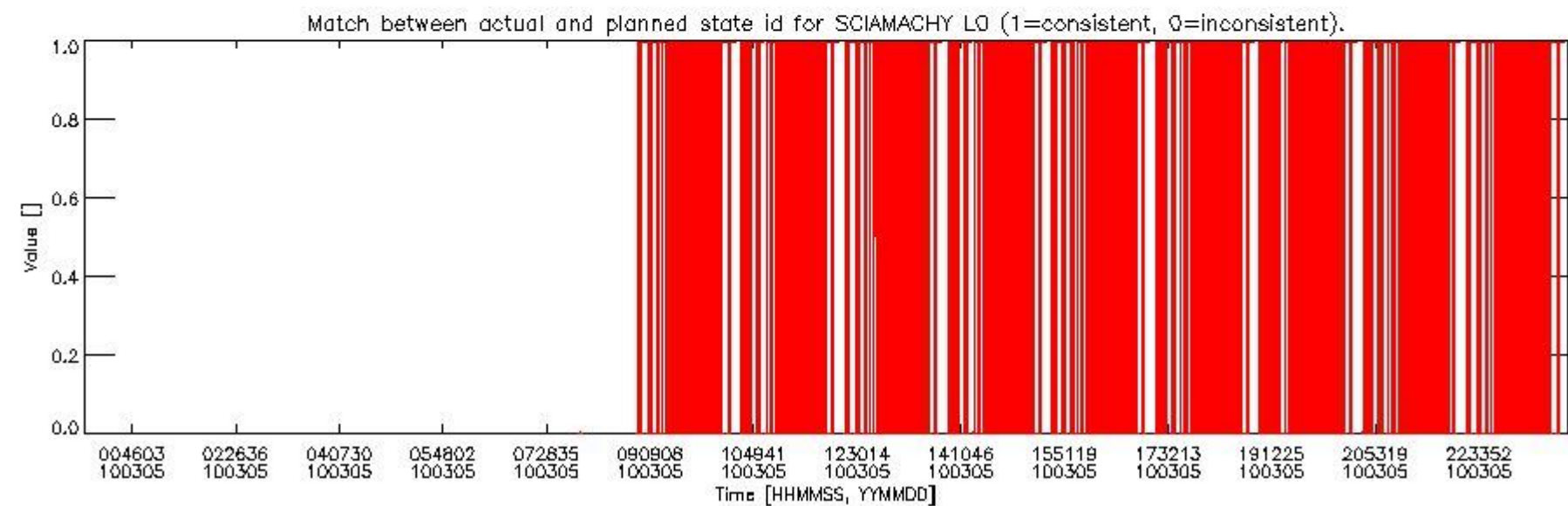
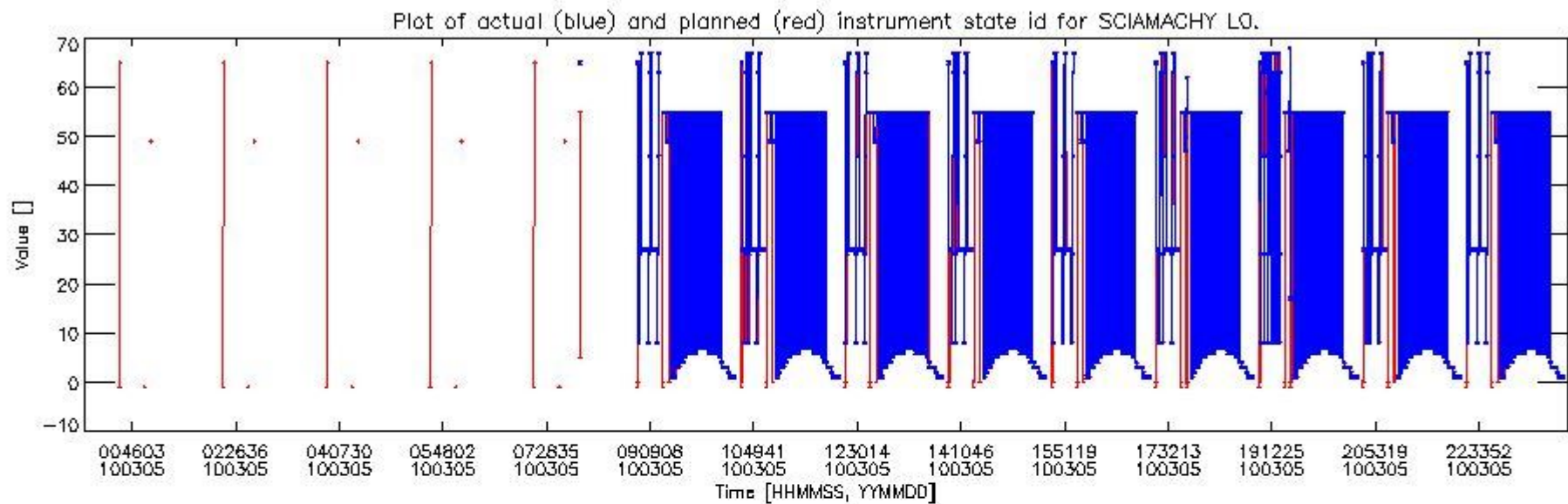


0.3 State monitoring

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: **51543**

#	Actual time	Actual value	Planned time	Planned value
0	05MAR2010 08:00:42.444107	65	05MAR2010 08:00:42.444107	55
1	05MAR2010 08:00:43.069107	65	05MAR2010 08:00:43.069107	55
2	05MAR2010 08:00:43.569107	65	05MAR2010 08:00:43.569107	55
3	05MAR2010 08:00:44.069107	65	05MAR2010 08:00:44.069107	55
4	05MAR2010 08:00:44.569107	65	05MAR2010 08:00:44.569107	55
5	05MAR2010 08:00:45.069107	65	05MAR2010 08:00:45.069107	55
6	05MAR2010 08:00:45.569107	65	05MAR2010 08:00:45.569107	55
7	05MAR2010 08:00:46.069107	65	05MAR2010 08:00:46.069107	55
8	05MAR2010 08:00:46.569107	65	05MAR2010 08:00:46.569107	55
9	05MAR2010 08:00:47.069107	65	05MAR2010 08:00:47.069107	55
10	05MAR2010 08:00:47.444107	65	05MAR2010 08:00:47.444107	55
11	05MAR2010 08:00:47.569107	65	05MAR2010 08:00:47.569107	55
12	05MAR2010 08:00:48.069107	65	05MAR2010 08:00:48.069107	55
13	05MAR2010 08:00:48.569107	65	05MAR2010 08:00:48.569107	55
14	05MAR2010 08:00:49.069107	65	05MAR2010 08:00:49.069107	55
15	05MAR2010 08:00:49.569107	65	05MAR2010 08:00:49.569107	55
16	05MAR2010 08:00:50.069107	65	05MAR2010 08:00:50.069107	55
17	05MAR2010 08:00:50.569107	65	05MAR2010 08:00:50.569107	55
18	05MAR2010 08:00:51.069107	65	05MAR2010 08:00:51.069107	55
19	05MAR2010 08:00:51.569107	65	05MAR2010 08:00:51.569107	55
...

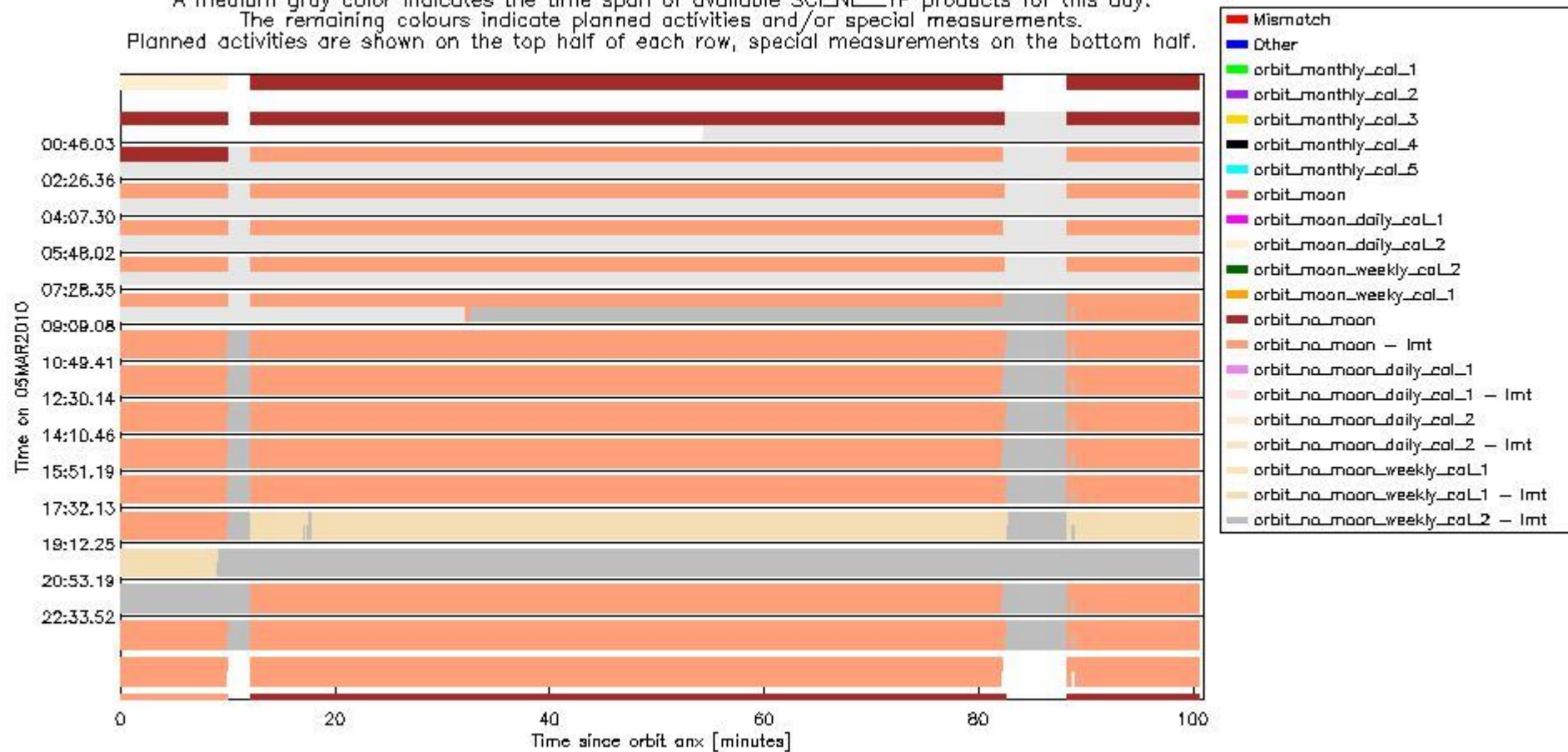


sciamachy_daily_report_level0_Any_version_20100305_5.PNG

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 05MAR2010.
 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_20100305_6.PNG

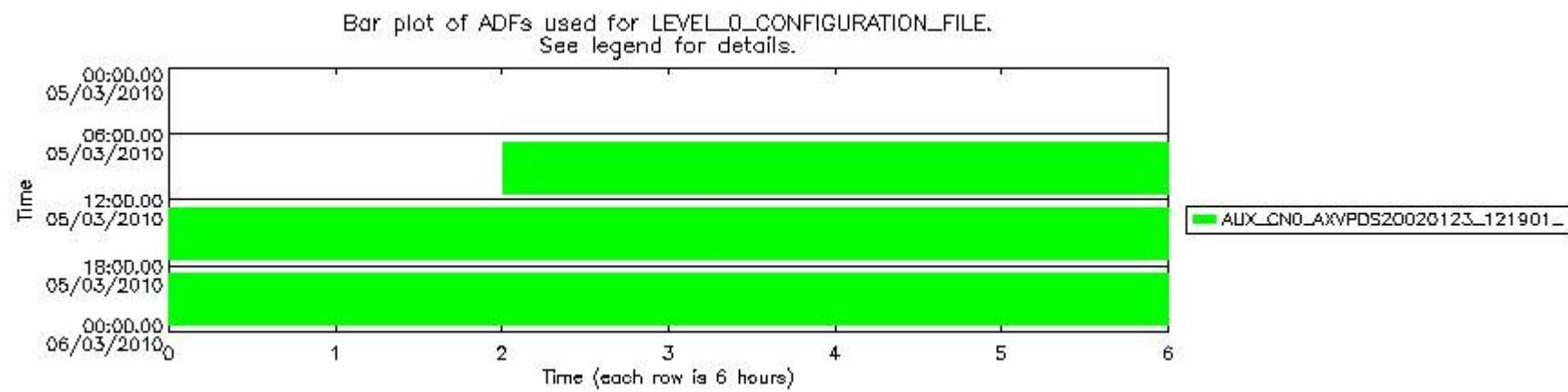
0.4 ADF monitoring

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

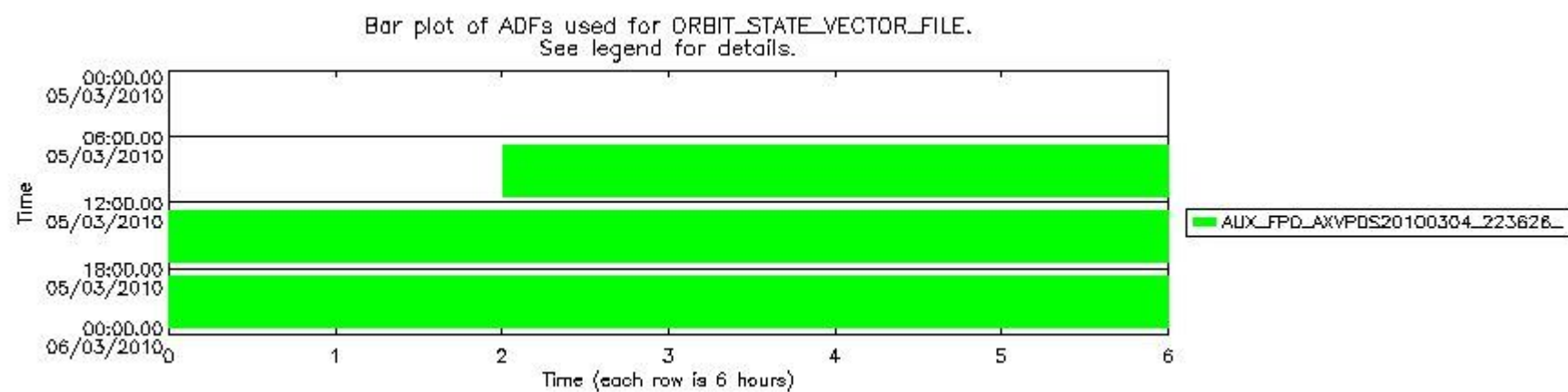
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

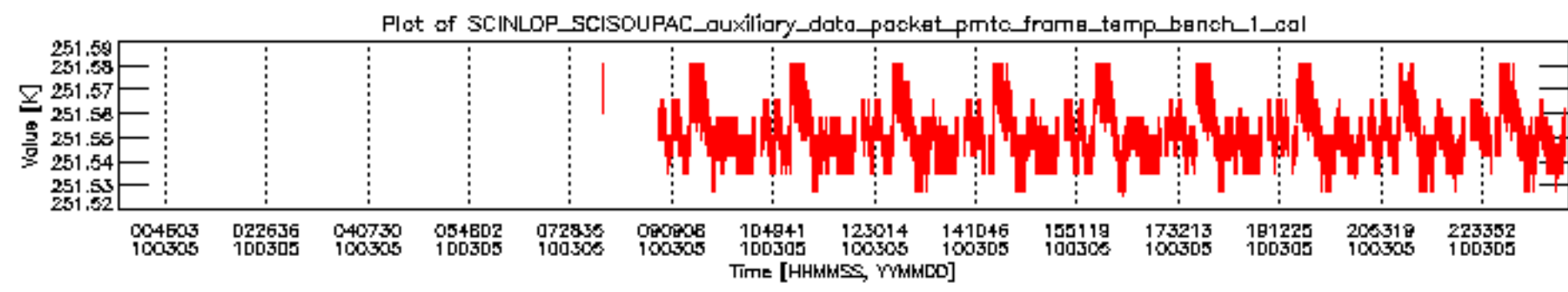
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100304_223626_20100304_194416_20100314_211030

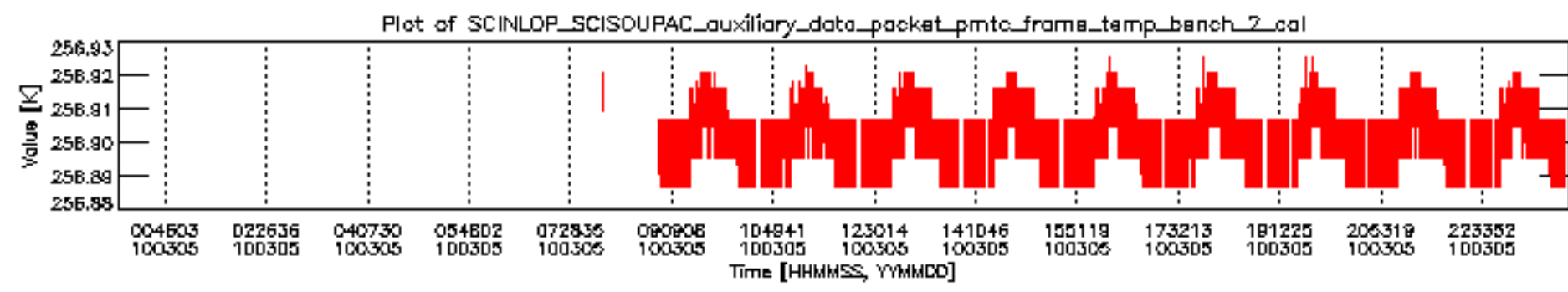


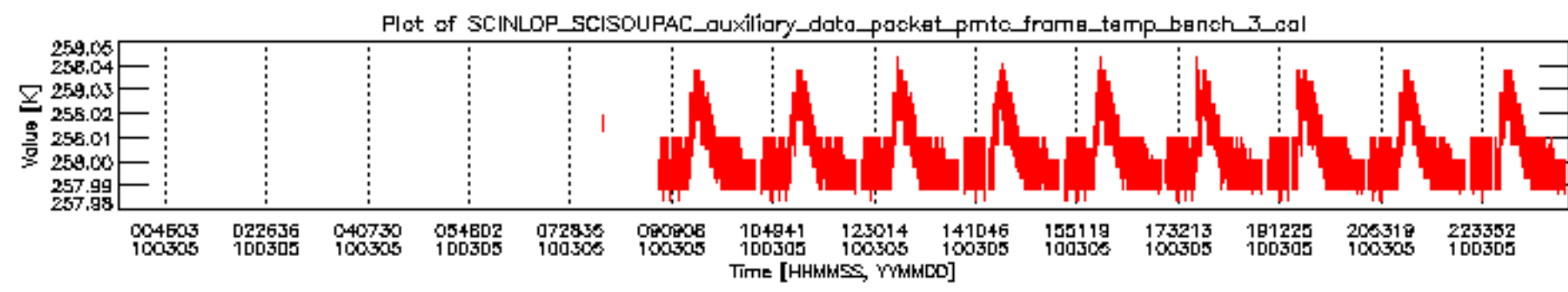
sciamachy_daily_report_level0_Any_version_20100305_7.PNG

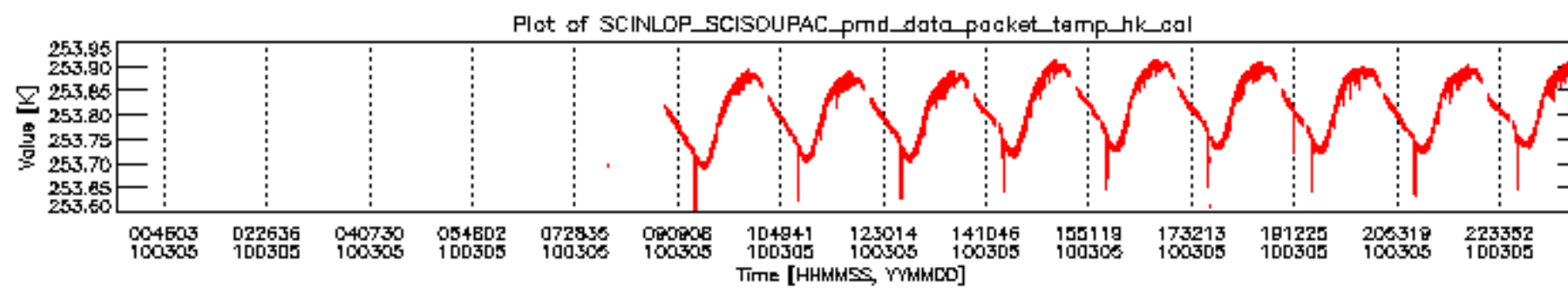


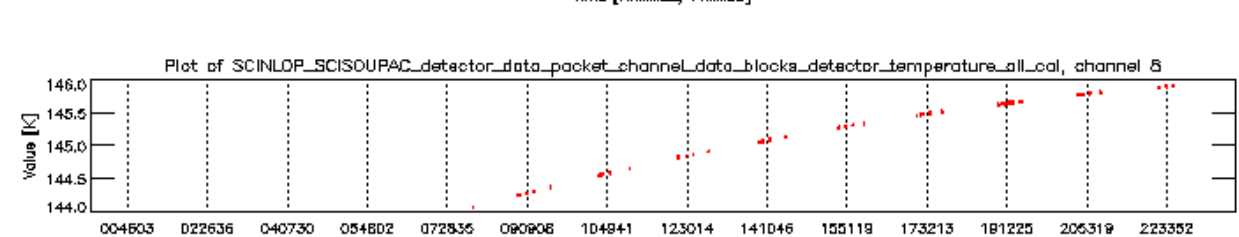
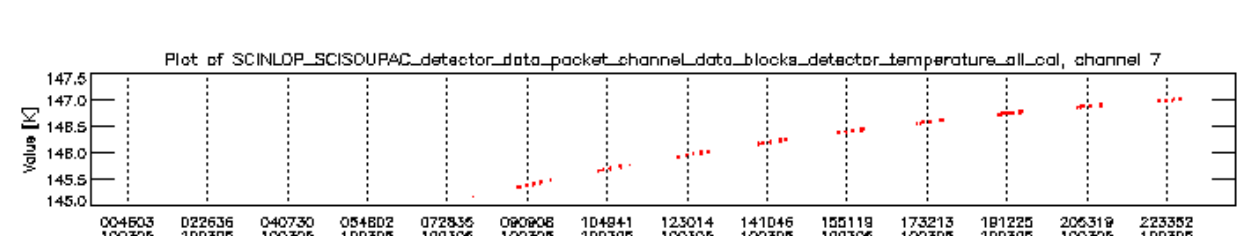
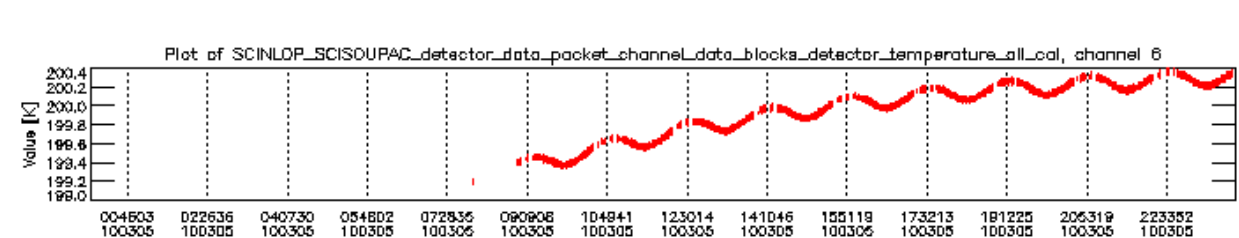
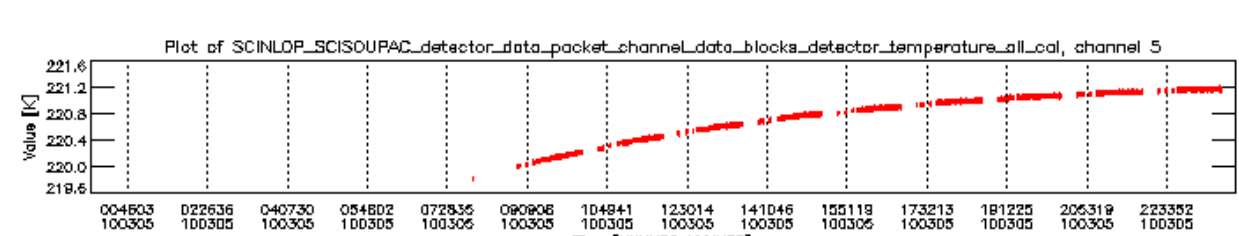
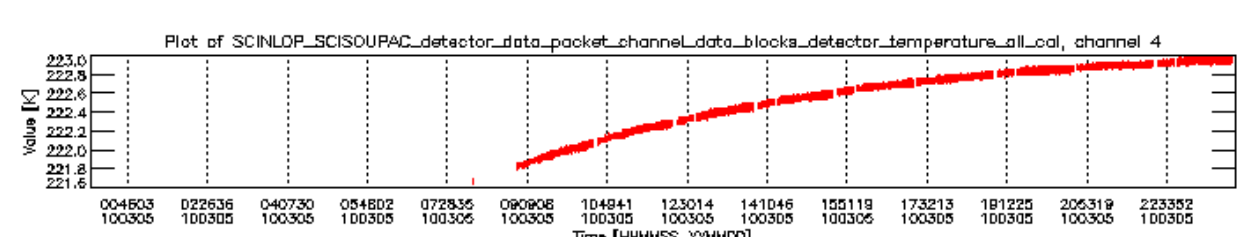
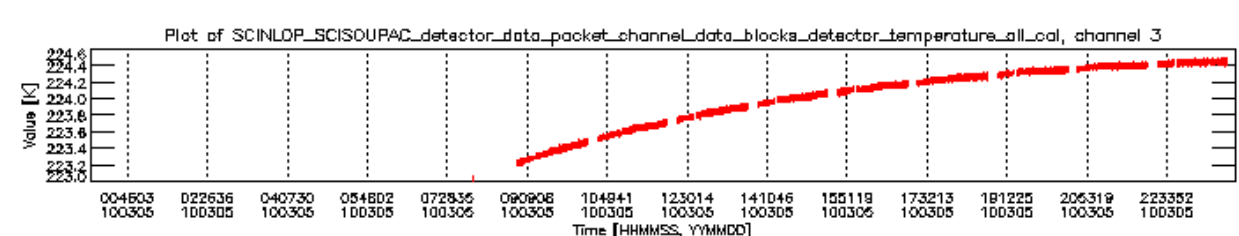
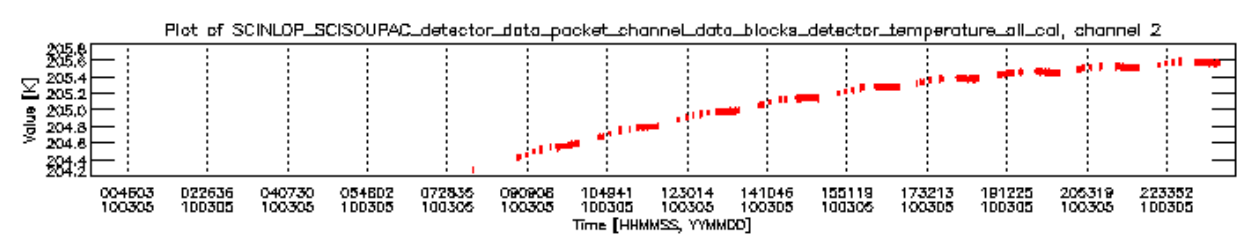
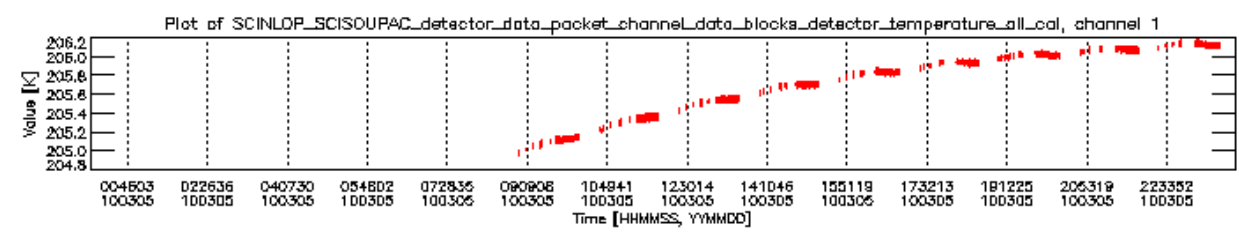
sciamachy_daily_report_level0_Any_version_20100305_8.PNG

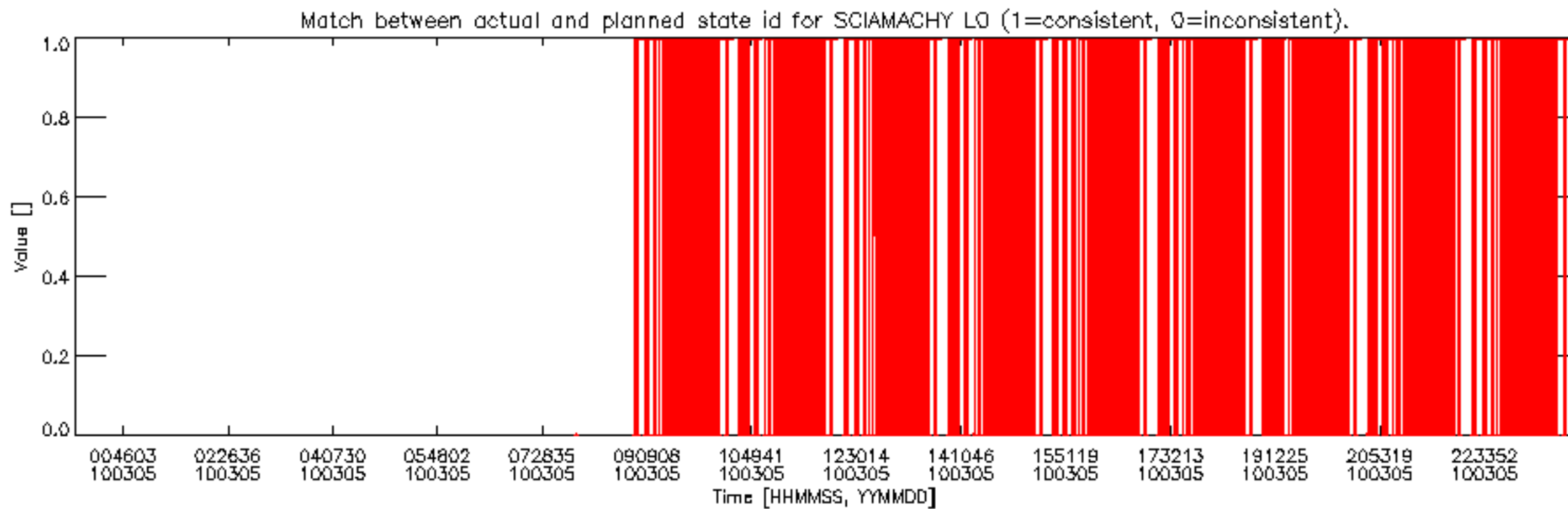
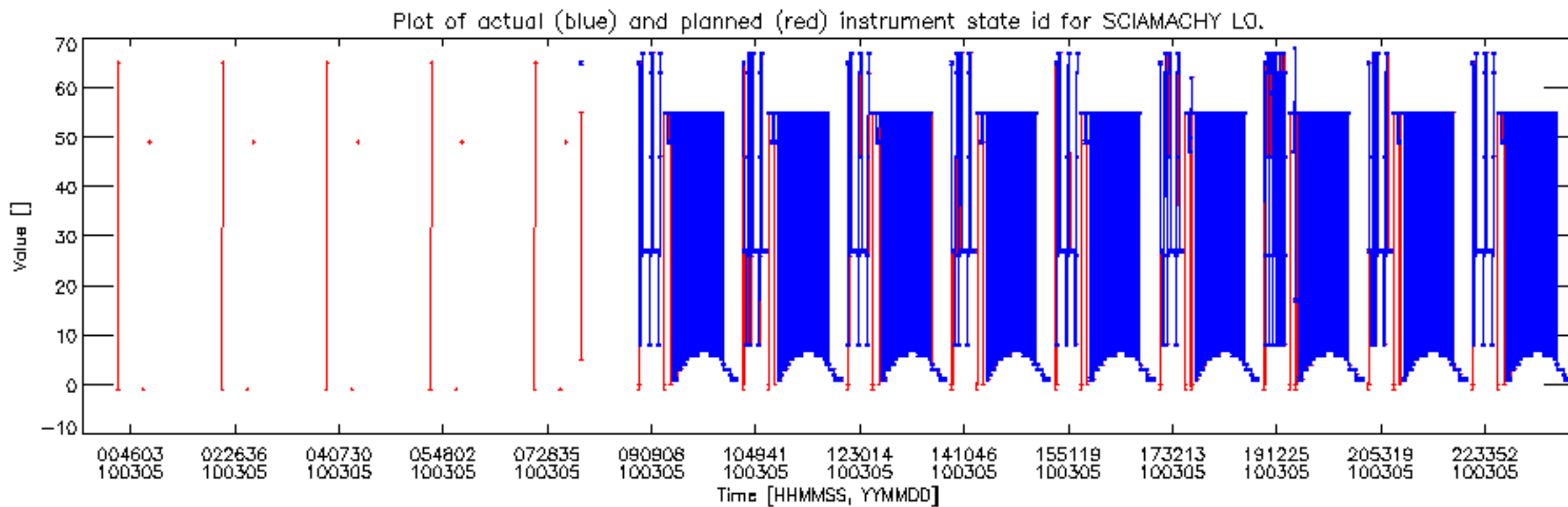


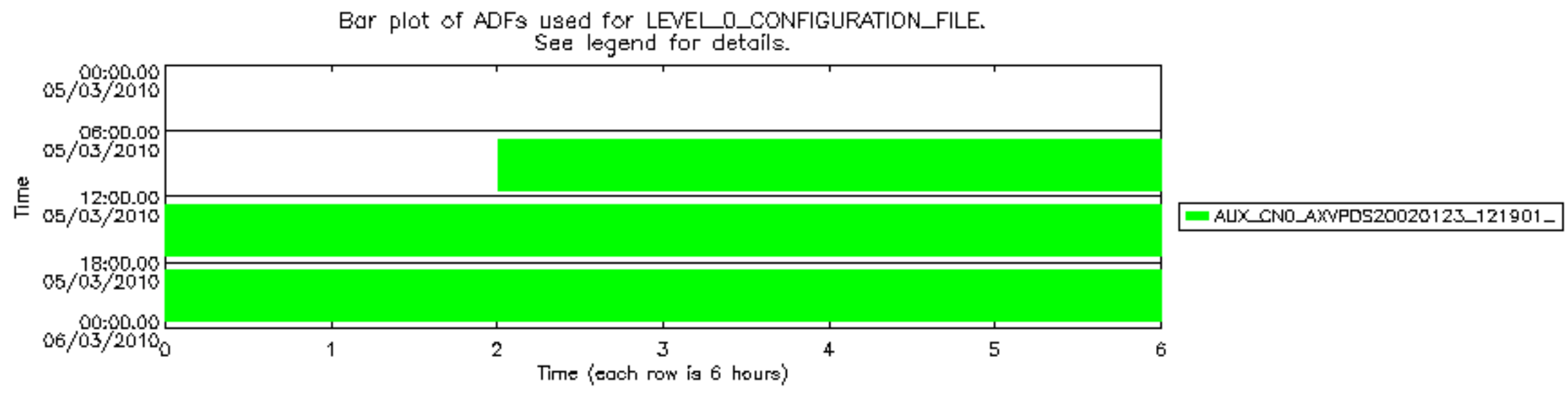


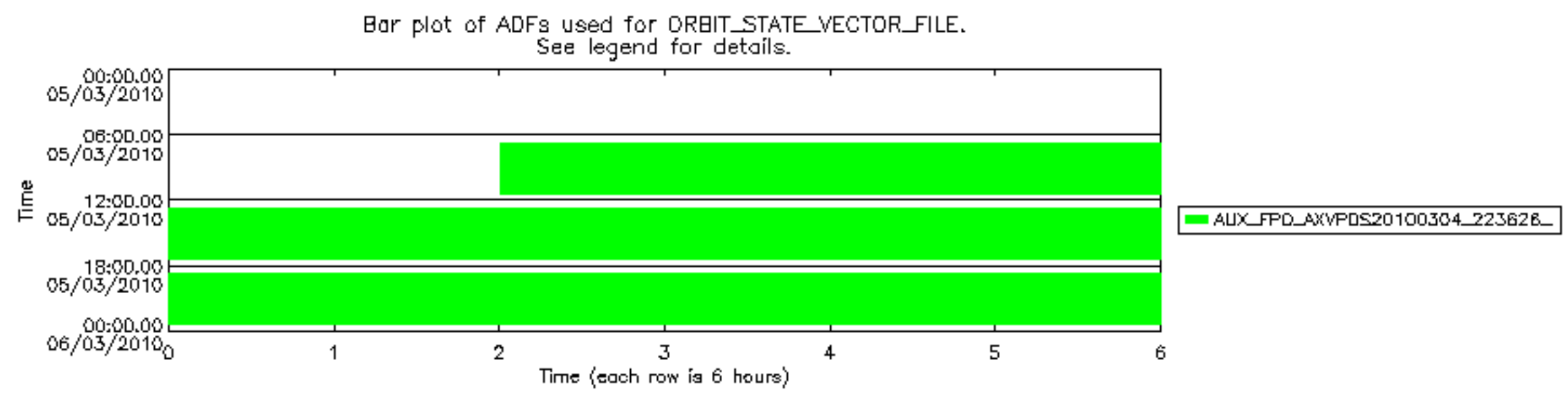


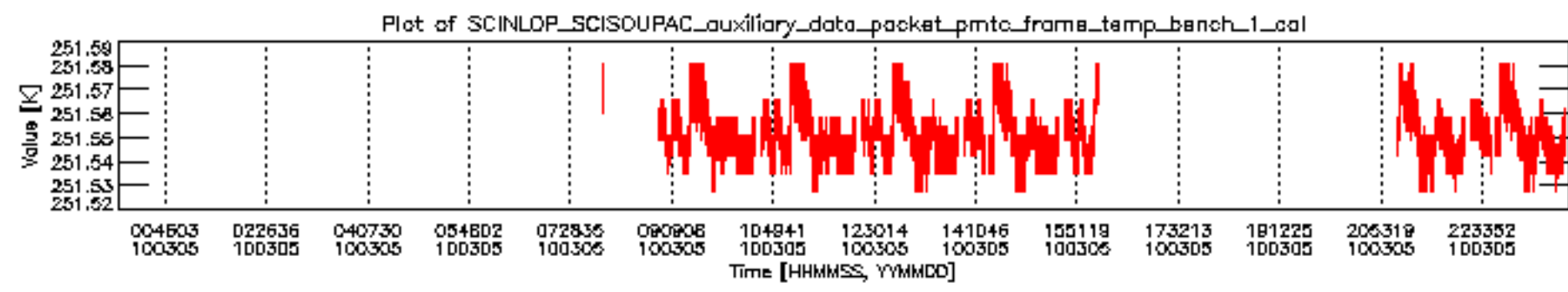


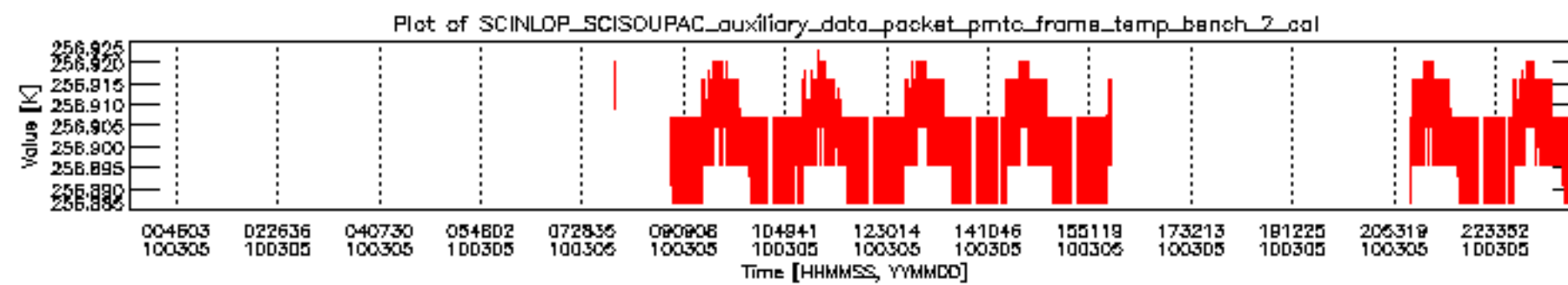


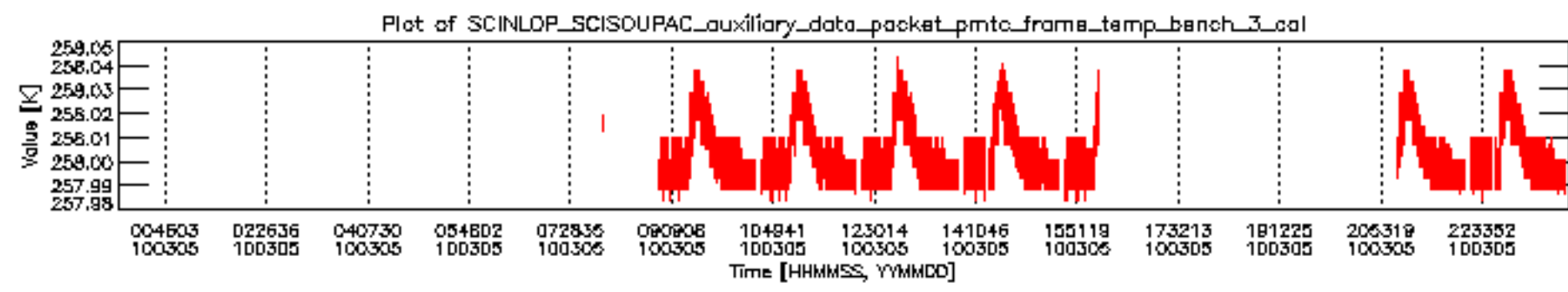


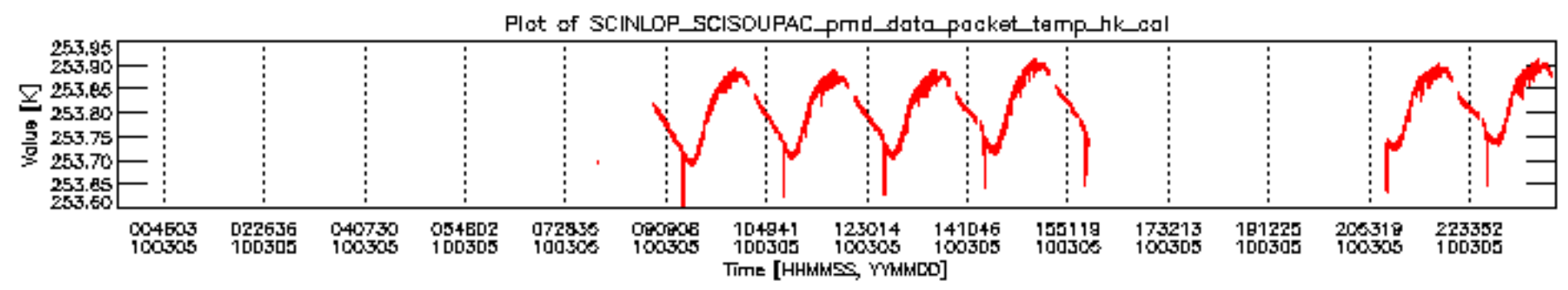


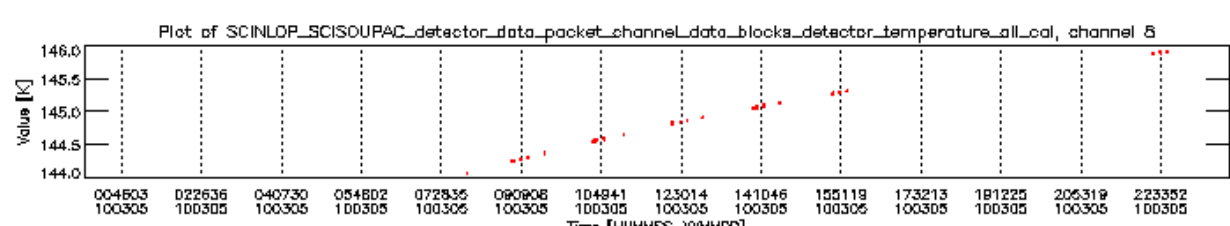
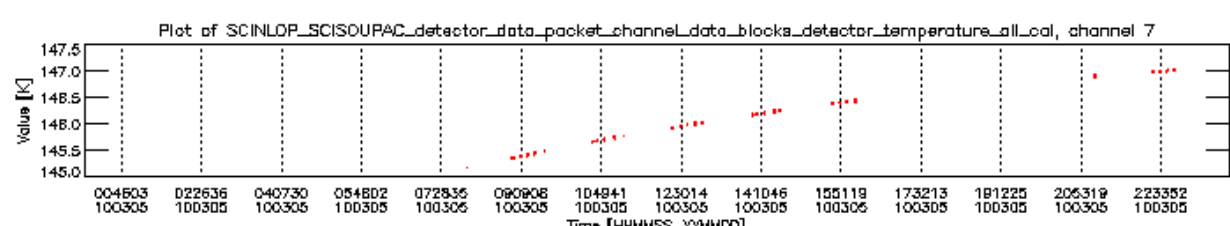
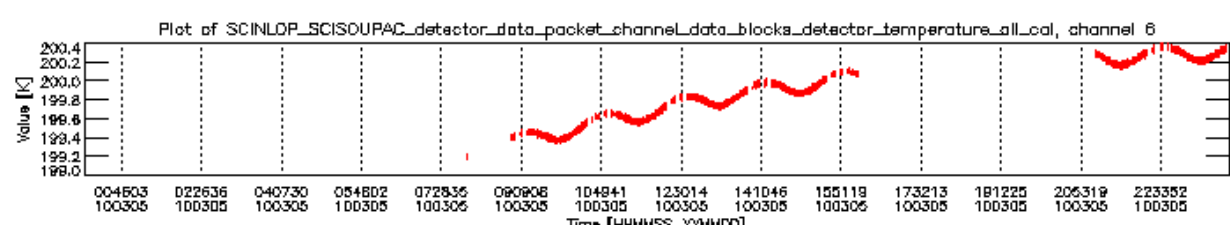
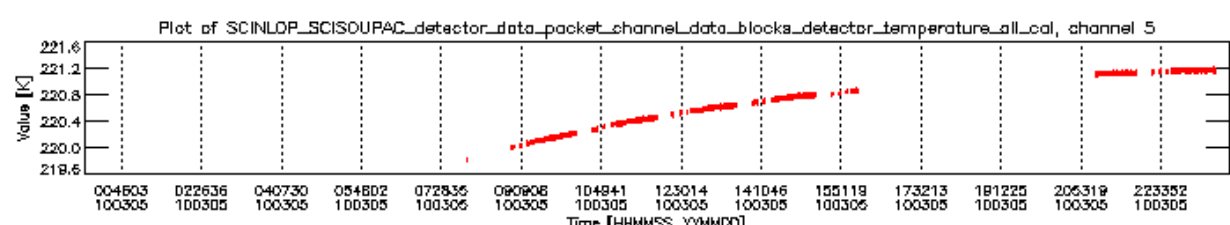
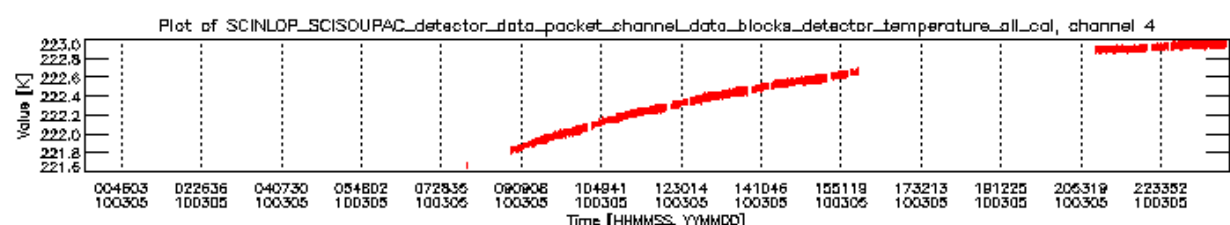
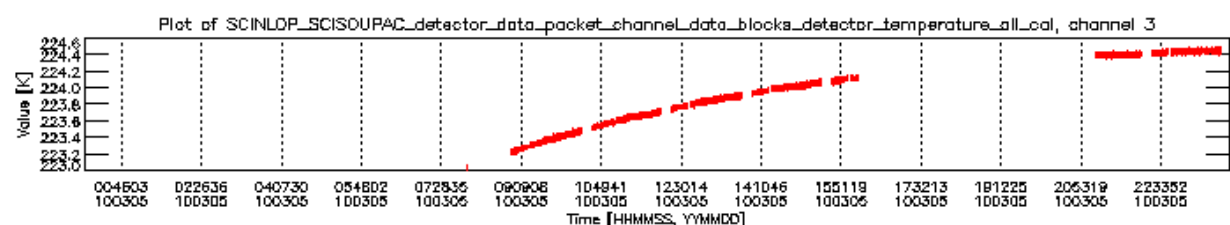
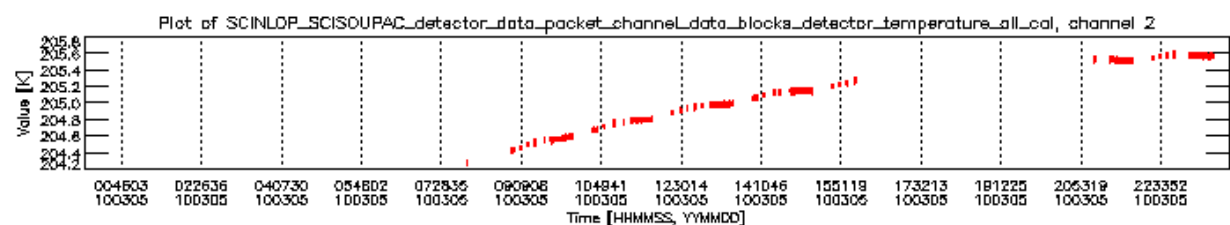
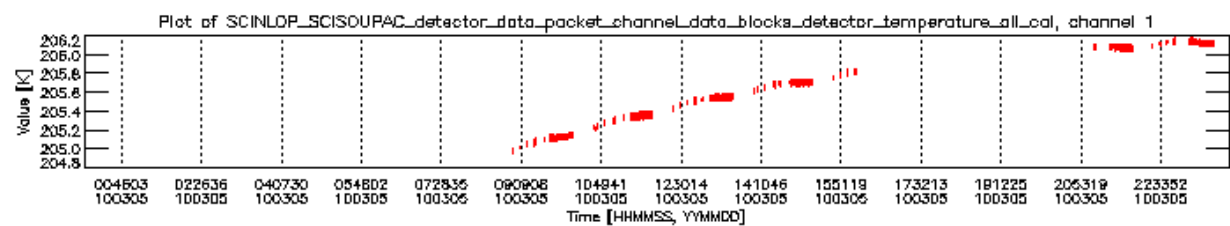


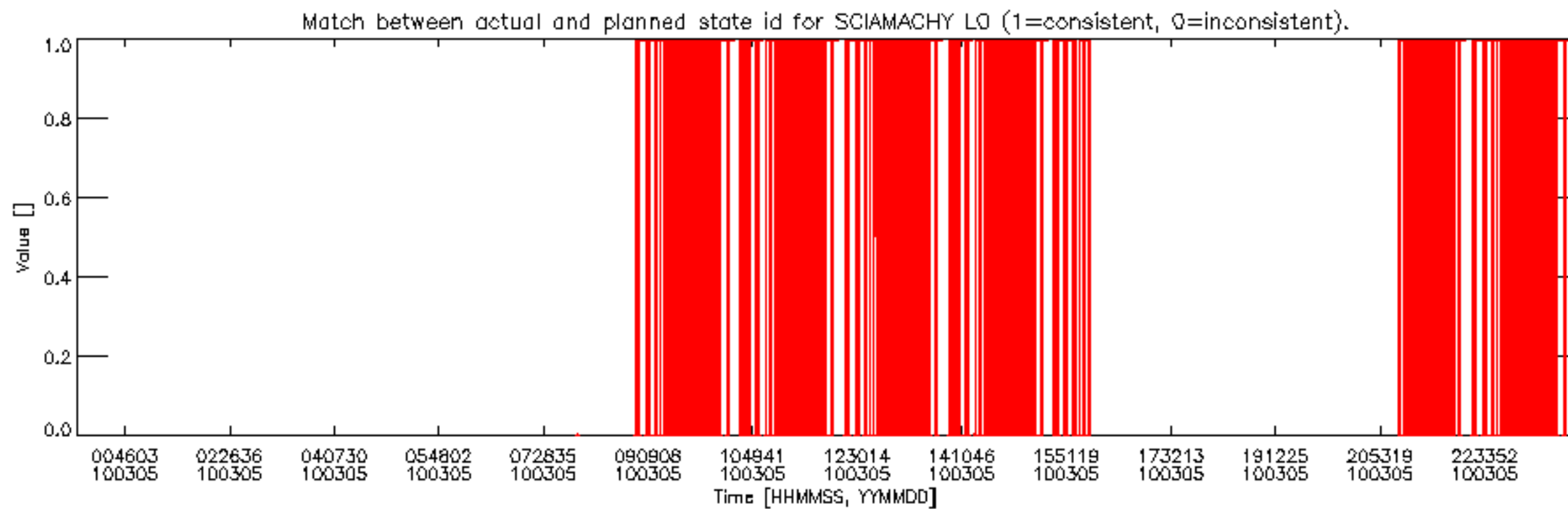
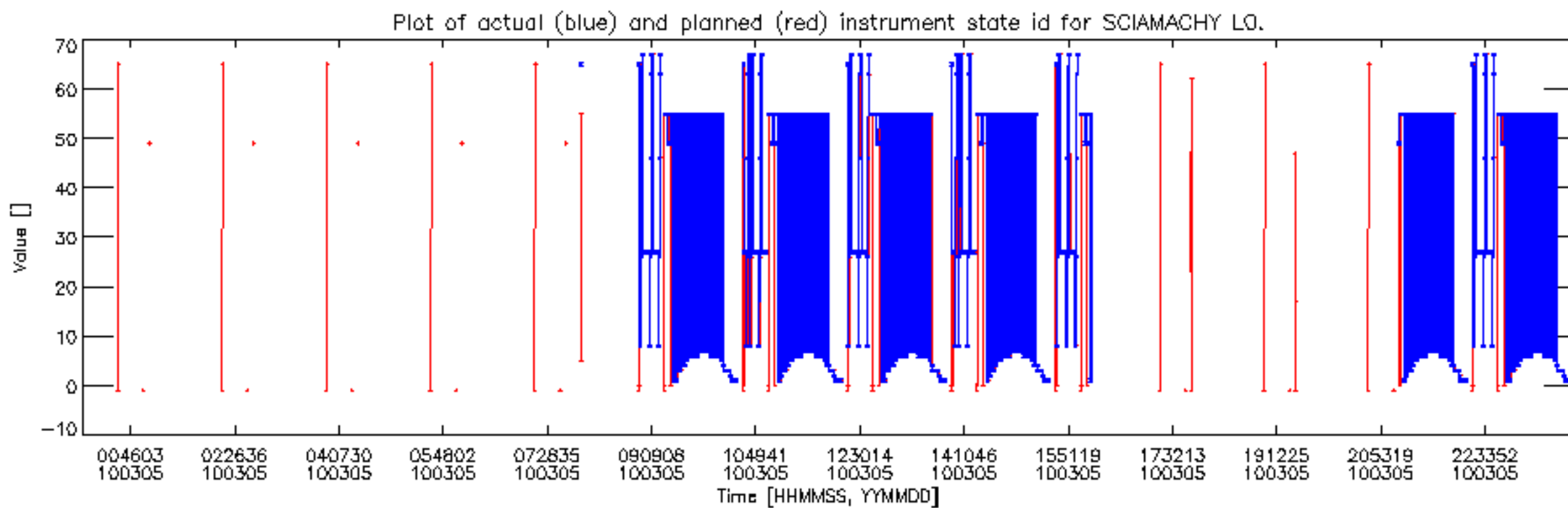












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 05MAR2010.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

