

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	30APR2010 02:33:01
Data source version	<Any version>
Processing scope for products	23APR2010 00:00:00 to 24APR2010 00:00:00
Start time of first product within scope	23APR2010 01:32:37
Stop time of last product within scope	24APR2010 01:03:05
Total number of Level 0 products	15
Number of Level 0 products with errors	0

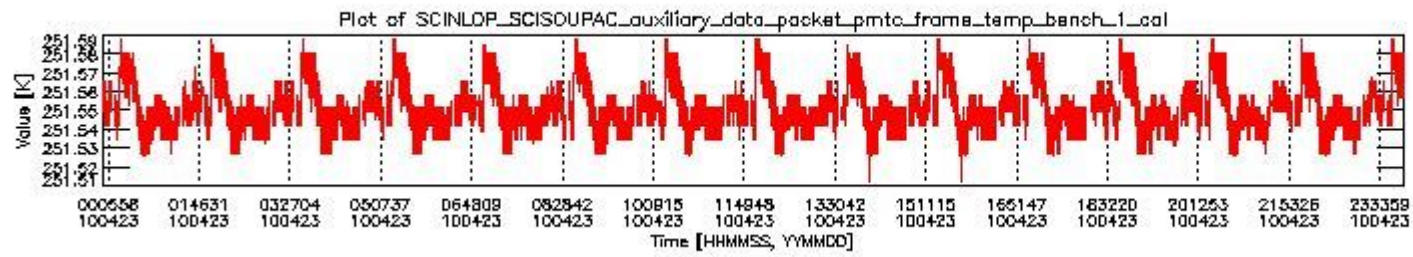
0.1.2 Summary per product

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

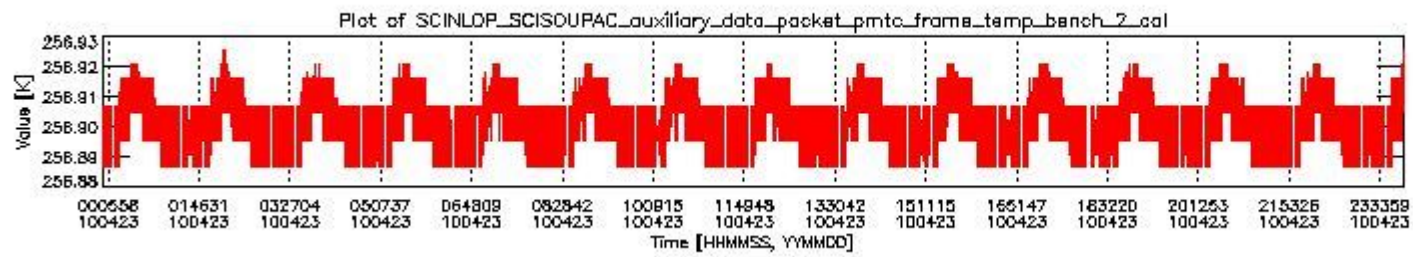
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100423_013237_000044562088_00446_42584_1319.N1	23APR2010 01:32:37	23APR2010 02:46:53	0	0	0	0	0
1	SCI_NL__OPNPDE20100423_024557_000061602088_00447_42585_1320.N1	23APR2010 02:45:57	23APR2010 04:28:37	0	0	0	0	0
2	SCI_NL__OPNPDE20100423_042728_000060362088_00448_42586_1321.N1	23APR2010 04:27:28	23APR2010 06:08:04	0	0	0	0	0
3	SCI_NL__OPNPDK20100423_060804_000041132088_00449_42587_1200.N1	23APR2010 06:08:04	23APR2010 07:16:37	0	0	0	0	0
4	SCI_NL__OPNPDK20100423_071529_000061602088_00450_42588_1201.N1	23APR2010 07:15:29	23APR2010 08:58:09	0	0	0	0	0
5	SCI_NL__OPNPDK20100423_085809_000059802088_00451_42589_1202.N1	23APR2010 08:58:09	23APR2010 10:37:48	0	0	0	0	0
6	SCI_NL__OPNPDK20100423_103640_000060352088_00452_42590_1203.N1	23APR2010 10:36:40	23APR2010 12:17:15	0	0	0	0	0
7	SCI_NL__OPNPDK20100423_121619_000059672088_00453_42591_1204.N1	23APR2010 12:16:19	23APR2010 13:55:46	0	0	0	0	0
8	SCI_NL__OPNPDK20100423_135546_000059112088_00454_42592_1205.N1	23APR2010 13:55:46	23APR2010 15:34:18	0	0	0	0	0
9	SCI_NL__OPNPDK20100423_153418_000058052088_00455_42593_1206.N1	23APR2010 15:34:18	23APR2010 17:11:02	0	0	0	0	0
10	SCI_NL__OPNPDK20100423_171006_000059672088_00456_42594_1207.N1	23APR2010 17:10:06	23APR2010 18:49:34	0	0	0	0	0
11	SCI_NL__OPNPDK20100423_184742_000060742088_00457_42595_1208.N1	23APR2010 18:47:42	23APR2010 20:28:55	0	0	0	0	0
12	SCI_NL__OPNPDE20100423_202704_000044032088_00458_42596_1322.N1	23APR2010 20:27:04	23APR2010 21:40:26	0	0	0	0	0
13	SCI_NL__OPNPDE20100423_213942_000061242088_00458_42596_1323.N1	23APR2010 21:39:42	23APR2010 23:21:46	0	0	0	0	0
14	SCI_NL__OPNPDE20100423_232022_000061632088_00459_42597_1324.N1	23APR2010 23:20:22	24APR2010 01:03:05	0	0	0	0	0

0.2 Product Quality Indicators

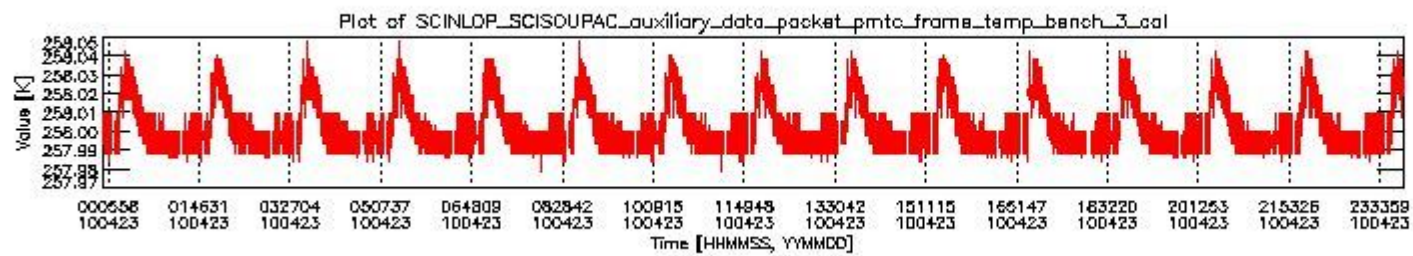
This section shows information about product quality, currently temperatures.



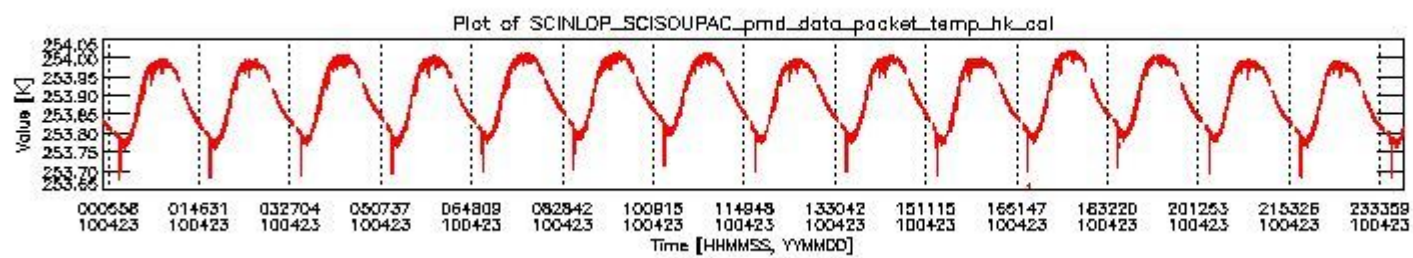
sciamachy_daily_report_level0_Any_version_20100423_0.PNG



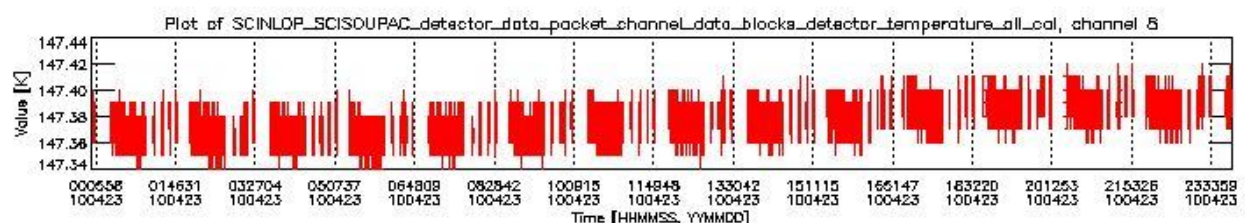
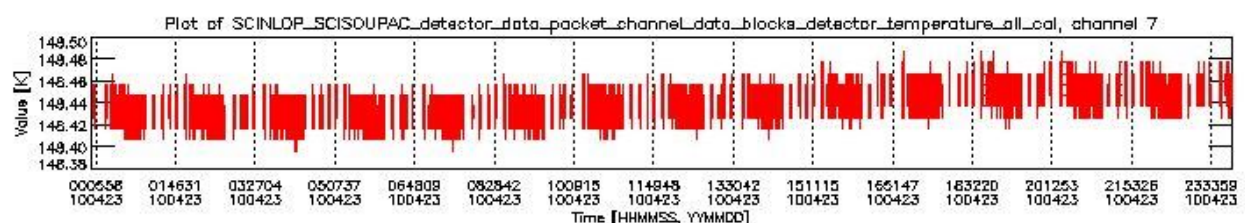
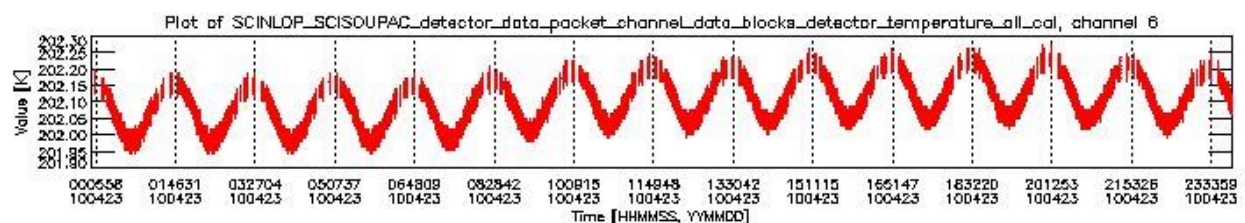
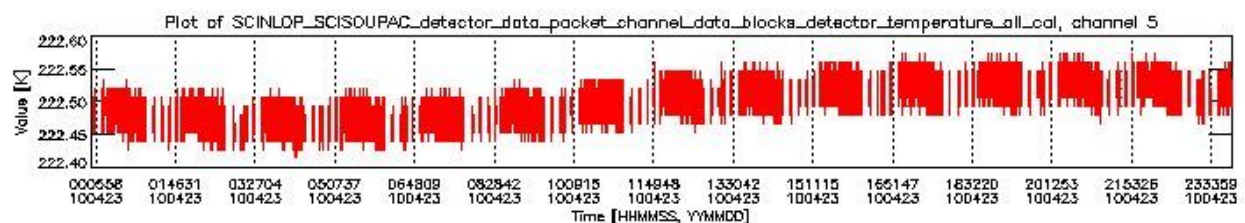
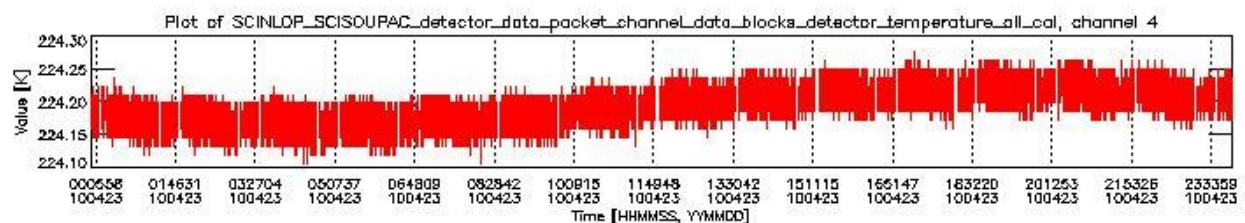
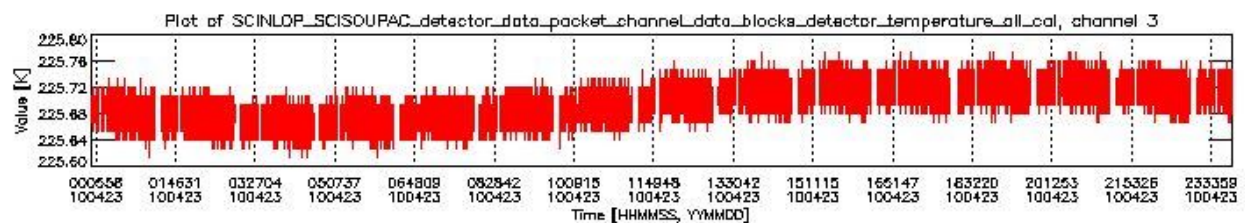
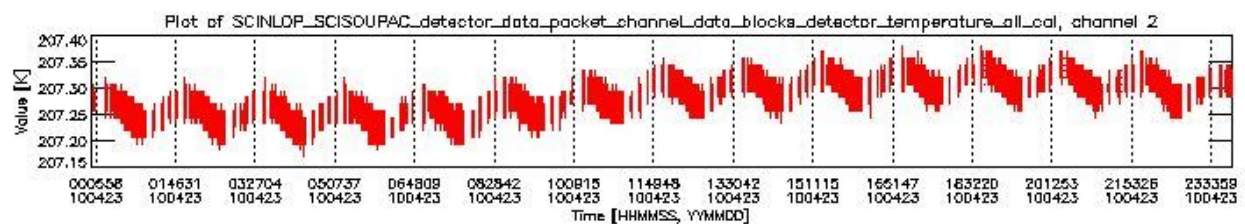
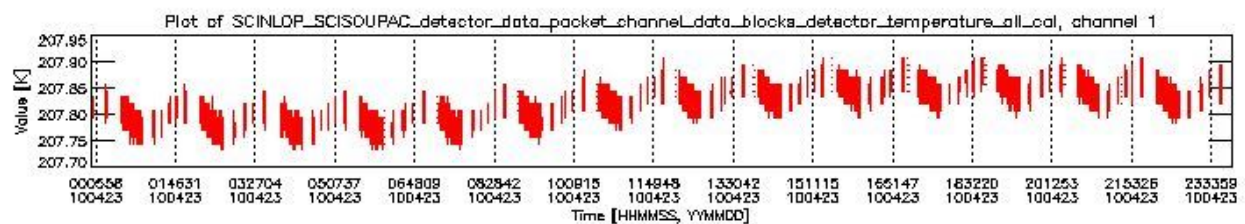
sciamachy_daily_report_level0_Any_version_20100423_1.PNG



sciamachy_daily_report_level0_Any_version_20100423_2.PNG



sciamachy_daily_report_level0_Any_version_20100423_3.PNG

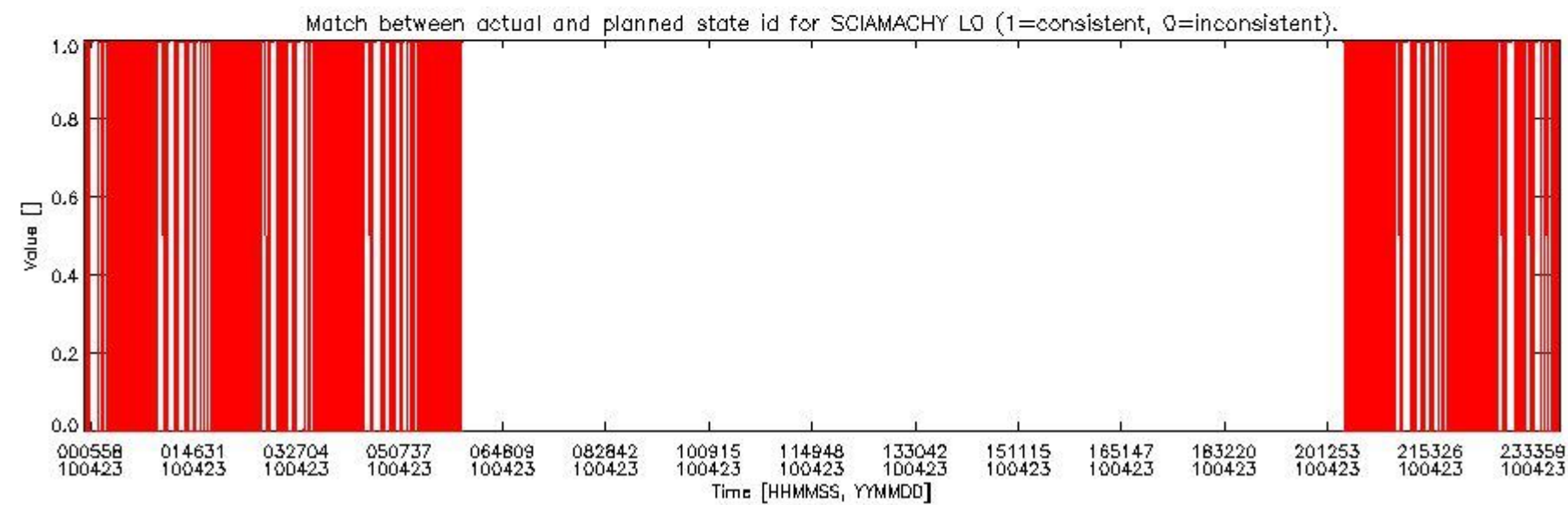
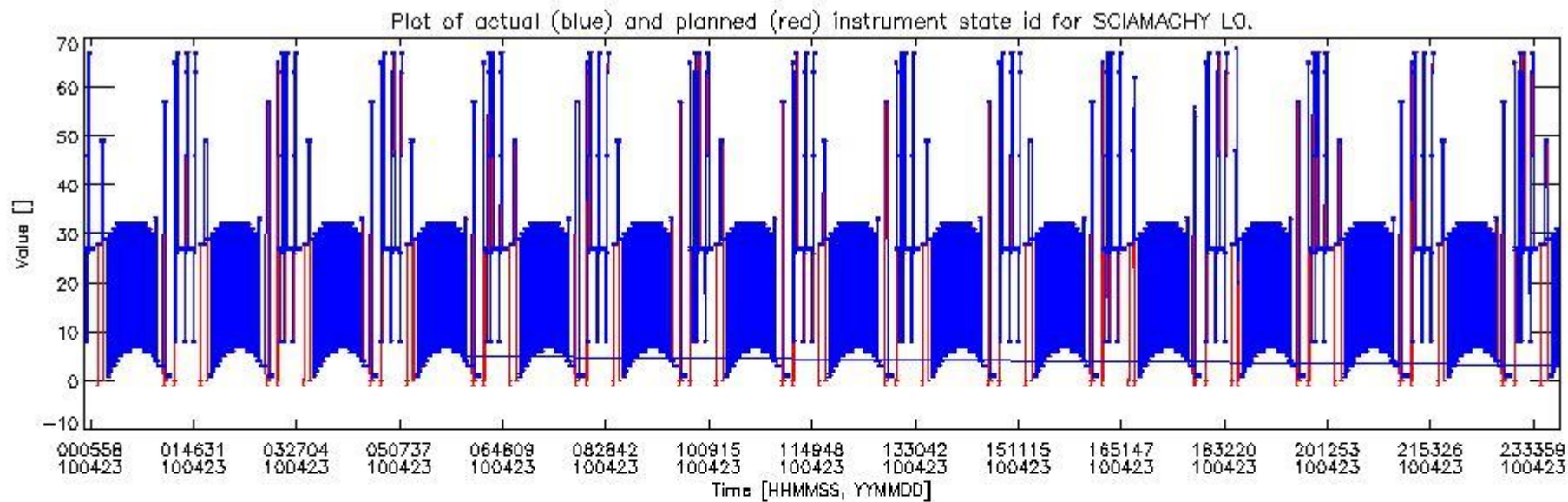


0.3 State monitoring

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: **39898**

#	Actual time	Actual value	Planned time	Planned value
0	23APR2010 00:02:06.014546	8	23APR2010 00:02:06.014546	27
1	23APR2010 00:02:07.139546	8	23APR2010 00:02:07.139546	27
2	23APR2010 00:02:08.139546	8	23APR2010 00:02:08.139546	27
3	23APR2010 00:02:09.139546	8	23APR2010 00:02:09.139546	27
4	23APR2010 00:02:10.139546	8	23APR2010 00:02:10.139546	27
5	23APR2010 00:02:11.014546	8	23APR2010 00:02:11.014546	27
6	23APR2010 00:02:11.139546	8	23APR2010 00:02:11.139546	27
7	23APR2010 00:02:12.139546	8	23APR2010 00:02:12.139546	27
8	23APR2010 00:02:13.139546	8	23APR2010 00:02:13.139546	27
9	23APR2010 00:02:14.139546	8	23APR2010 00:02:14.139546	27
10	23APR2010 00:02:15.139546	8	23APR2010 00:02:15.139546	27
11	23APR2010 00:02:16.014546	8	23APR2010 00:02:16.014546	27
12	23APR2010 00:02:16.139546	8	23APR2010 00:02:16.139546	27
13	23APR2010 00:02:17.139546	8	23APR2010 00:02:17.139546	27
14	23APR2010 00:02:18.139546	8	23APR2010 00:02:18.139546	27
15	23APR2010 00:02:19.139546	8	23APR2010 00:02:19.139546	27
16	23APR2010 00:02:20.139546	8	23APR2010 00:02:20.139546	27
17	23APR2010 00:02:21.014546	8	23APR2010 00:02:21.014546	27
18	23APR2010 00:02:21.139546	8	23APR2010 00:02:21.139546	27
19	23APR2010 00:02:22.139546	8	23APR2010 00:02:22.139546	27
...

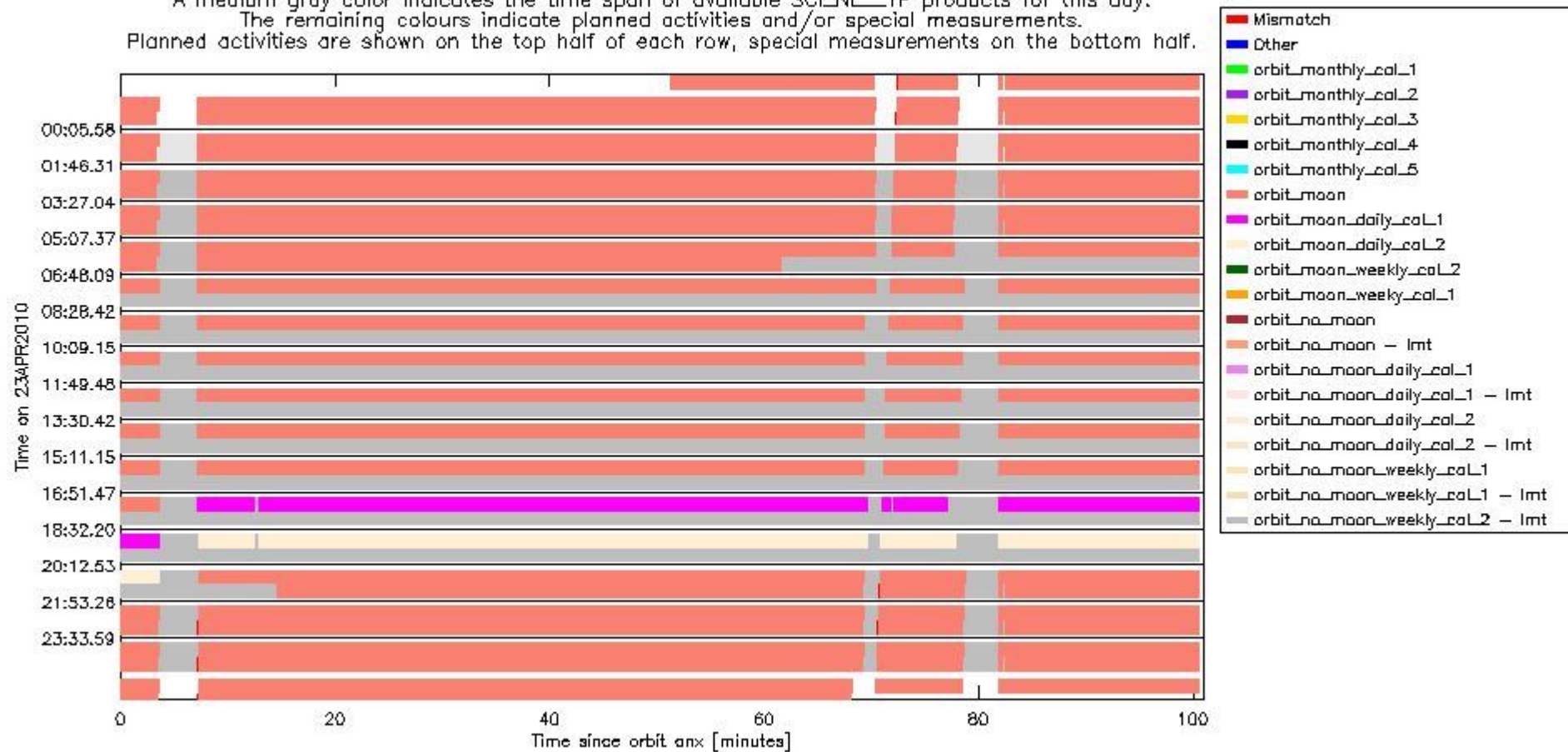


sciamachy_daily_report_level0_Any_version_20100423_5.PNG

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 23APR2010.
 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_20100423_6.PNG

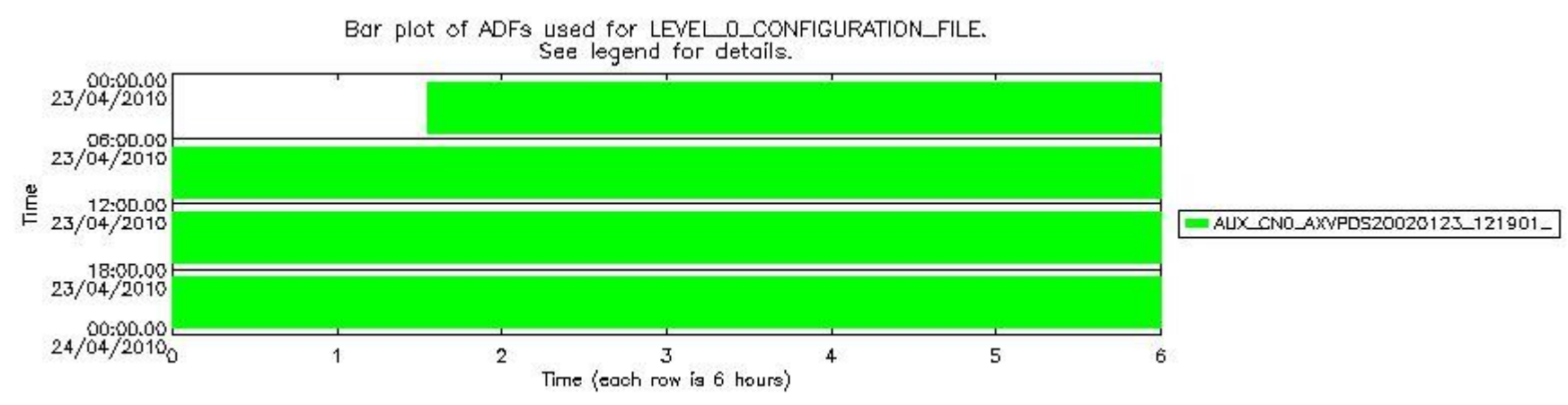
0.4 ADF monitoring

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

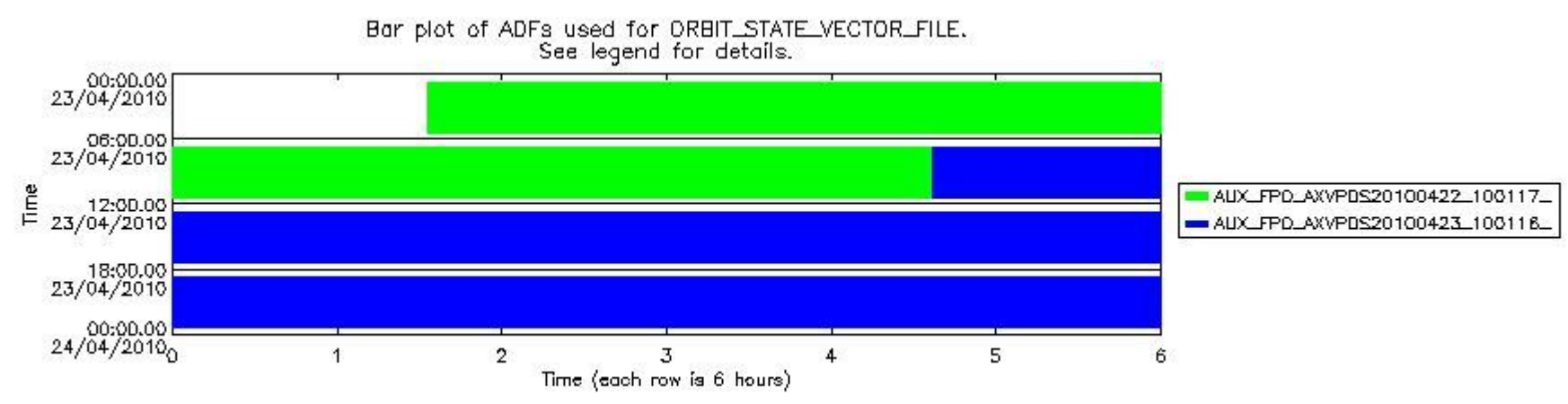
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

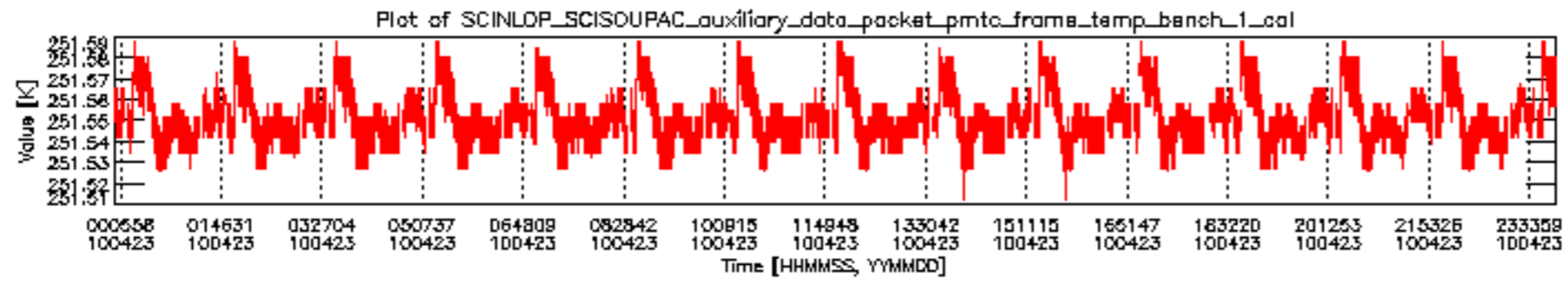
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100422_100117_20100421_193536_20100501_210149
2	AUX_FPO_AXVPDS20100423_100116_20100422_190359_20100502_203012

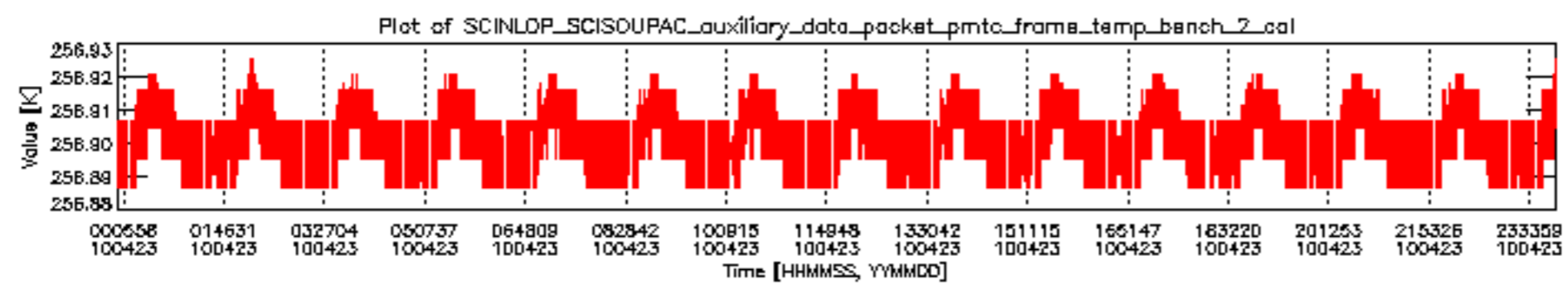


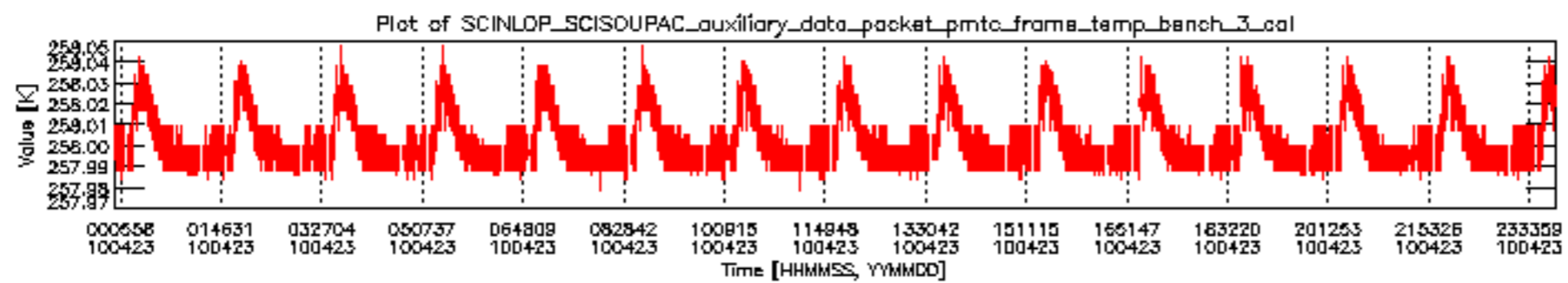
sciamachy_daily_report_level0_Any_version_20100423_7.PNG

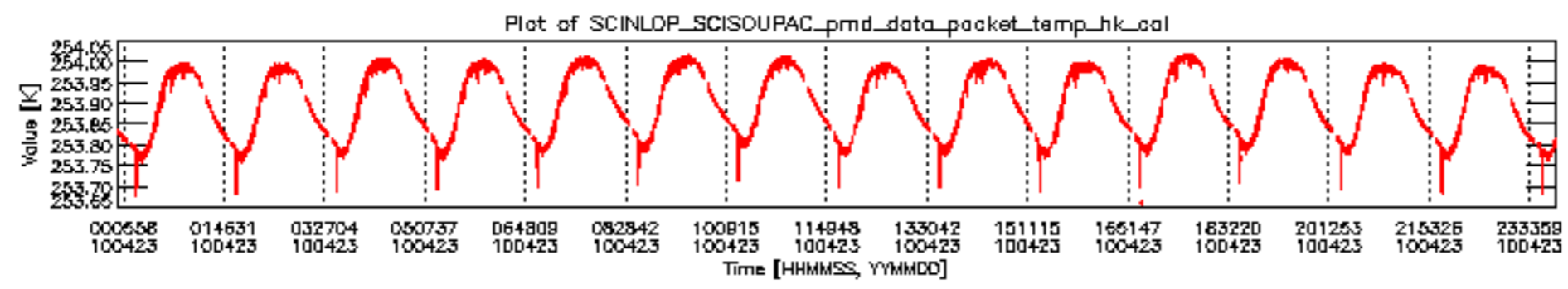


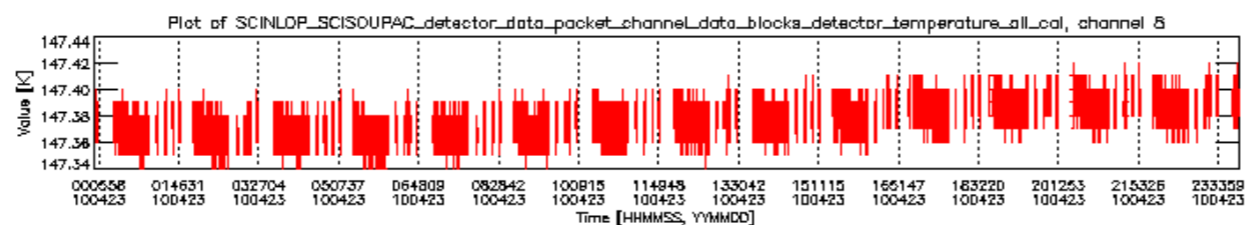
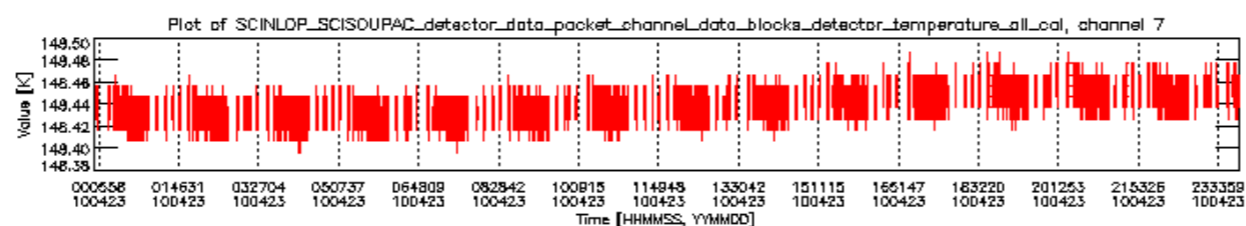
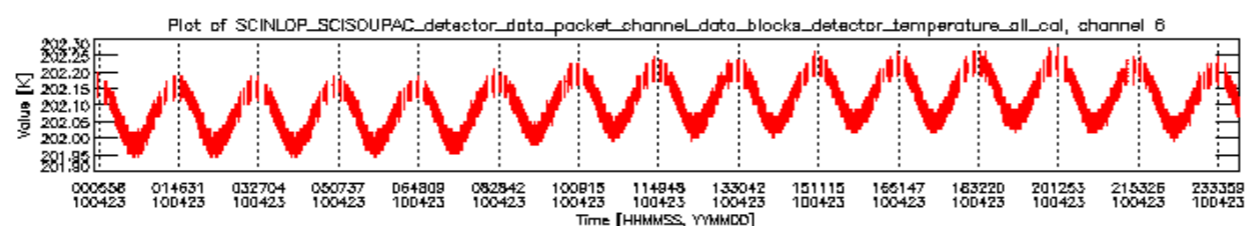
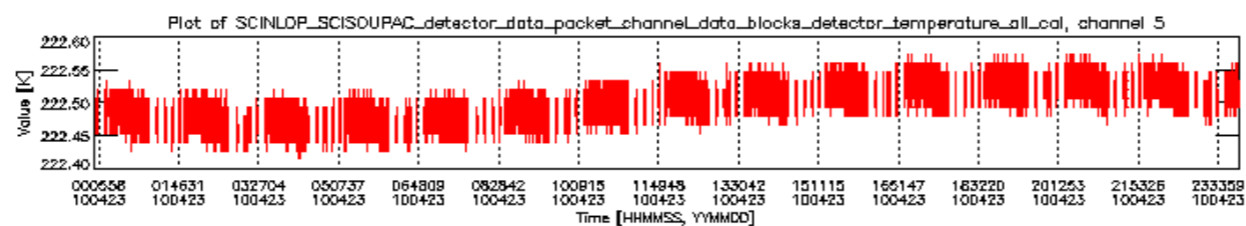
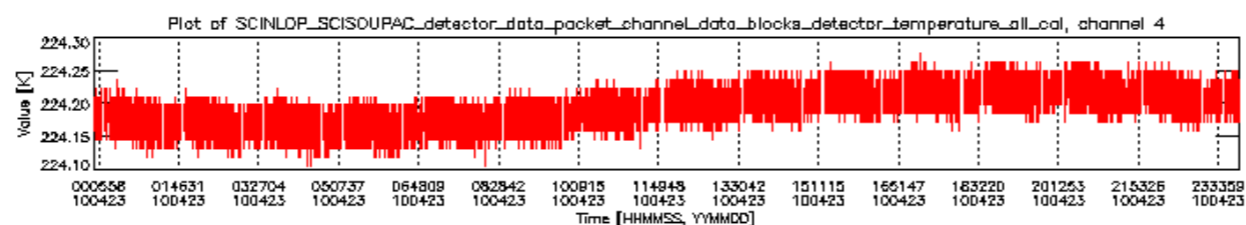
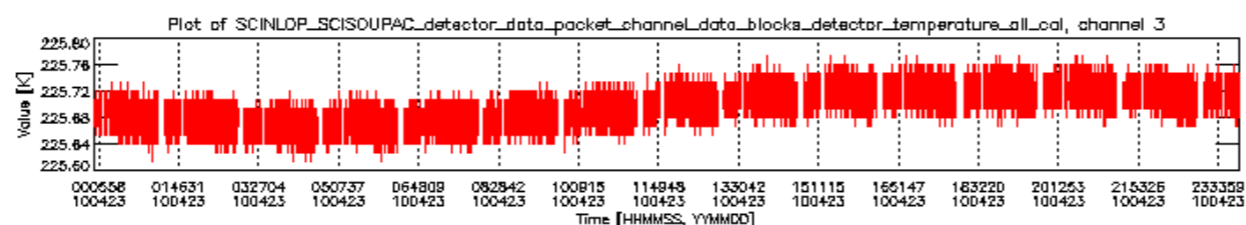
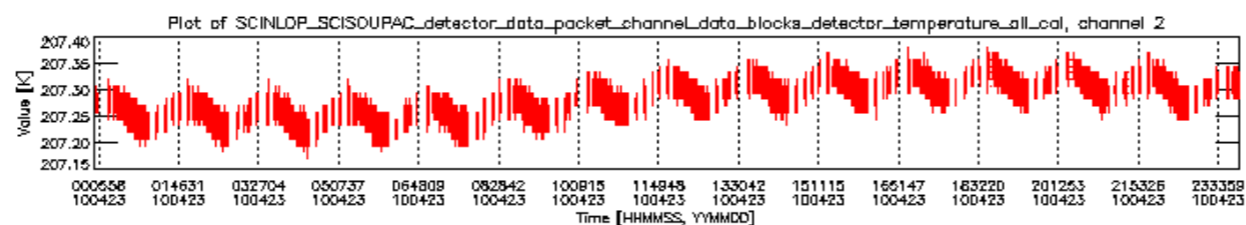
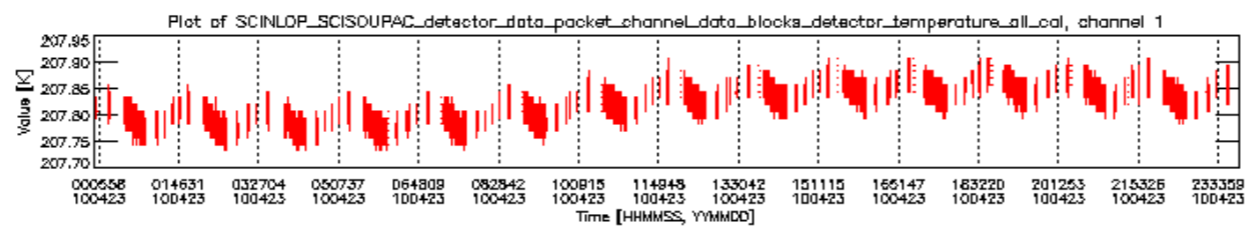
sciamachy_daily_report_level0_Any_version_20100423_8.PNG

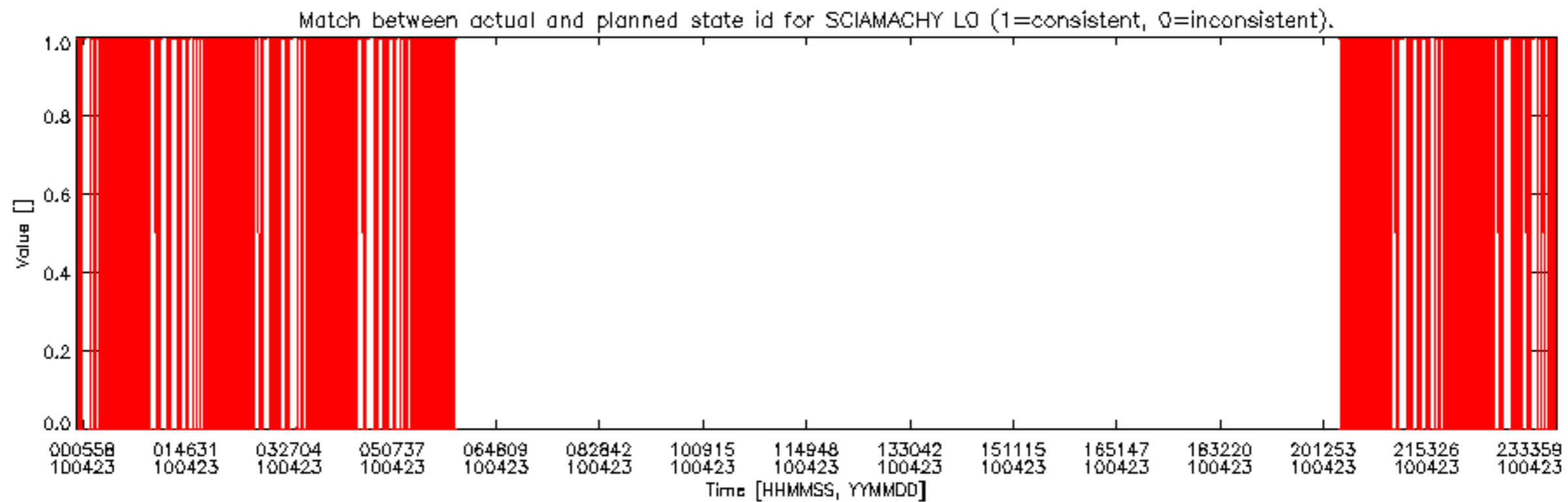
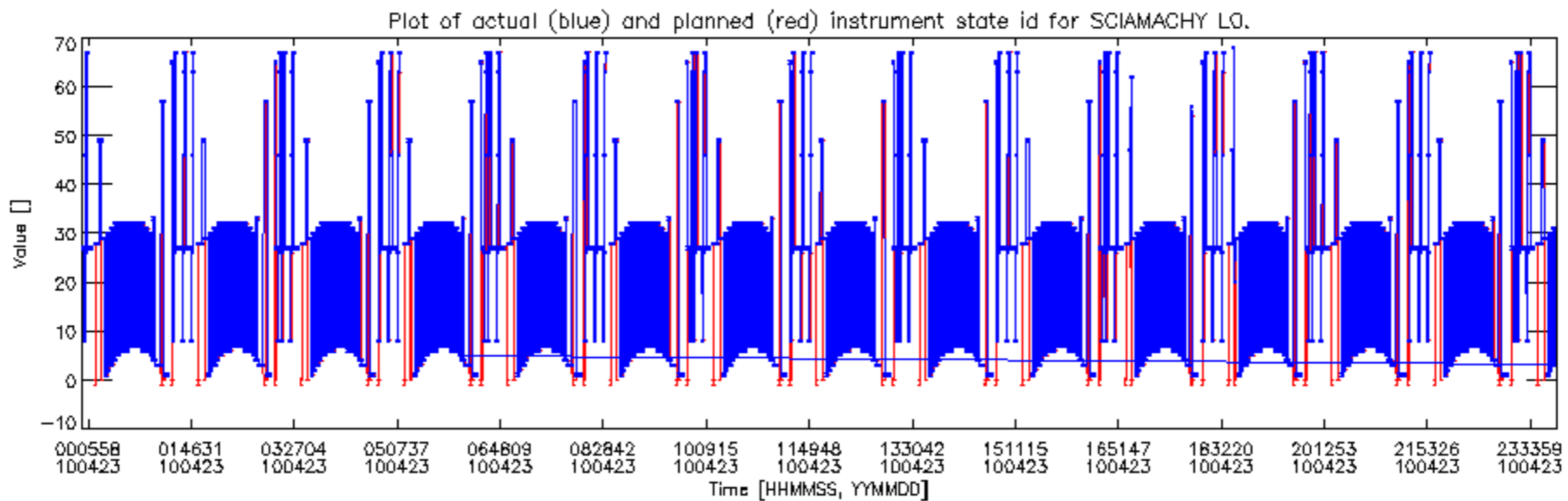












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