

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	04OCT2010 02:19:50
Data source version	<Any version>
Processing scope for products	27SEP2010 00:00:00 to 28SEP2010 00:00:00
Start time of first product within scope	27SEP2010 00:59:11
Stop time of last product within scope	28SEP2010 00:29:52
Total number of Level 0 products	14
Number of Level 0 products with errors	0

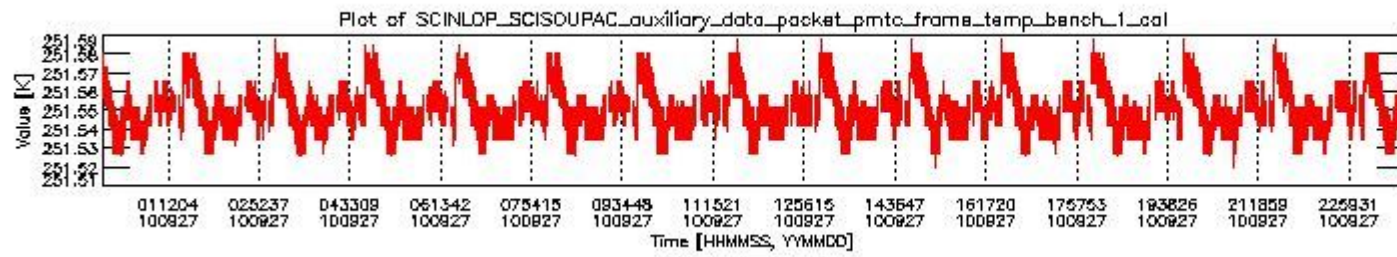
0.1.2 Summary per product

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

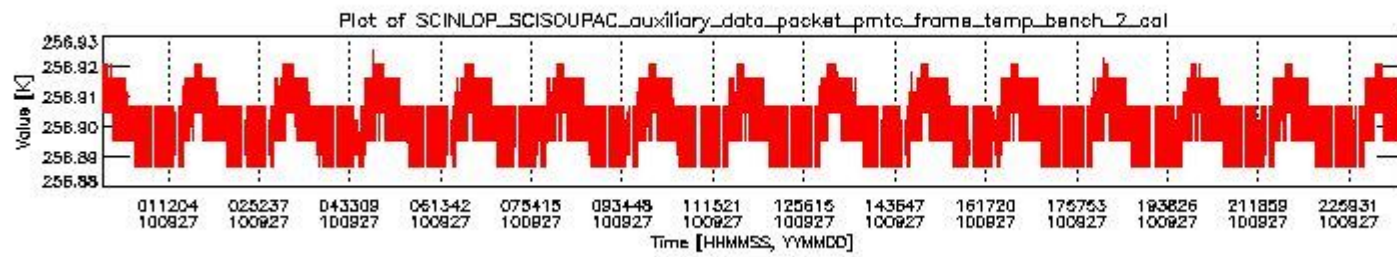
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100927_005911_000096332093_00188_44831_2420.N1	27SEP2010 00:59:11	27SEP2010 03:39:44	0	0	0	0	0
1	SCI_NL__OPNPDE20100927_033944_000069082093_00190_44833_2421.N1	27SEP2010 03:39:44	27SEP2010 05:34:52	0	0	0	0	0
2	SCI_NL__OPNPDE20100927_053452_000059812093_00191_44834_2422.N1	27SEP2010 05:34:52	27SEP2010 07:14:32	0	0	0	0	0
3	SCI_NL__OPNPDK20100927_071324_000041012093_00192_44835_2583.N1	27SEP2010 07:13:24	27SEP2010 08:21:45	0	0	0	0	0
4	SCI_NL__OPNPDK20100927_082049_000061612093_00193_44836_2584.N1	27SEP2010 08:20:49	27SEP2010 10:03:30	0	0	0	0	0
5	SCI_NL__OPNPDK20100927_100330_000060362093_00194_44837_2585.N1	27SEP2010 10:03:30	27SEP2010 11:44:07	0	0	0	0	0
6	SCI_NL__OPNPDK20100927_114258_000058562093_00195_44838_2586.N1	27SEP2010 11:42:58	27SEP2010 13:20:34	0	0	0	0	0
7	SCI_NL__OPNPDK20100927_131830_000061612093_00196_44839_2587.N1	27SEP2010 13:18:30	27SEP2010 15:01:11	0	0	0	0	0
8	SCI_NL__OPNPDK20100927_145906_000059812093_00197_44840_2588.N1	27SEP2010 14:59:06	27SEP2010 16:38:47	0	0	0	0	0
9	SCI_NL__OPNPDK20100927_163642_000059042093_00198_44841_2589.N1	27SEP2010 16:36:42	27SEP2010 18:15:07	0	0	0	0	0
10	SCI_NL__OPNPDK20100927_181429_000059572093_00199_44842_2590.N1	27SEP2010 18:14:29	27SEP2010 19:53:46	0	0	0	0	0
11	SCI_NL__OPNPDE20100927_195249_000039982093_00200_44843_2423.N1	27SEP2010 19:52:49	27SEP2010 20:59:27	0	0	0	0	0
12	SCI_NL__OPNPDE20100927_205927_000065042093_00200_44843_2424.N1	27SEP2010 20:59:27	27SEP2010 22:47:51	0	0	0	0	0
13	SCI_NL__OPNPDE20100927_224704_000061692093_00201_44844_2425.N1	27SEP2010 22:47:04	28SEP2010 00:29:52	0	0	0	0	0

0.2 Product Quality Indicators

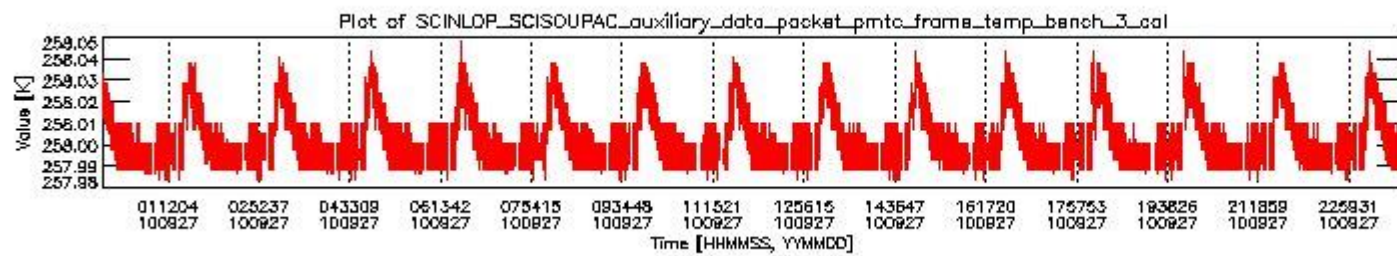
This section shows information about product quality, currently temperatures.



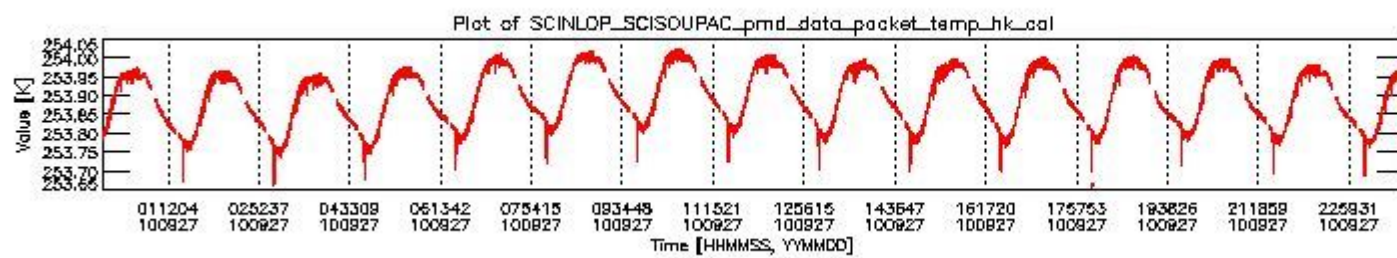
sciamachy_daily_report_level0_Any_version_20100927_0.PNG



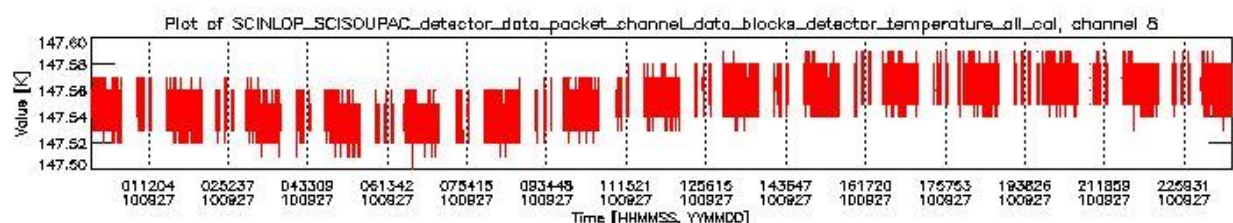
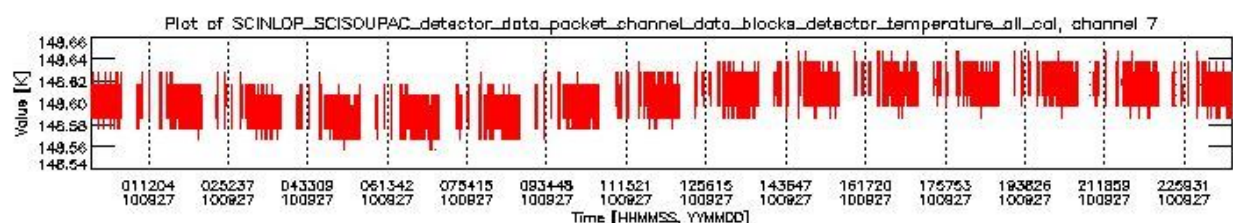
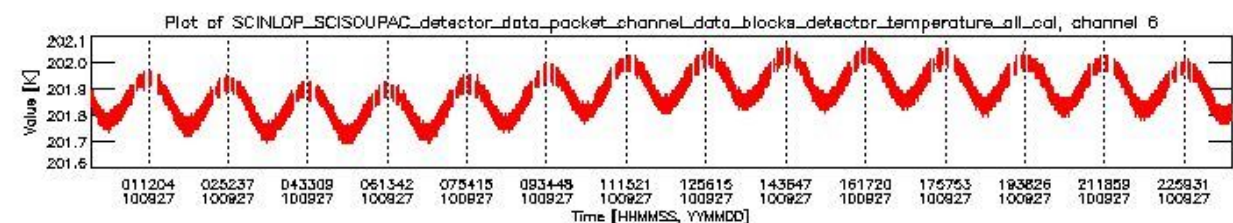
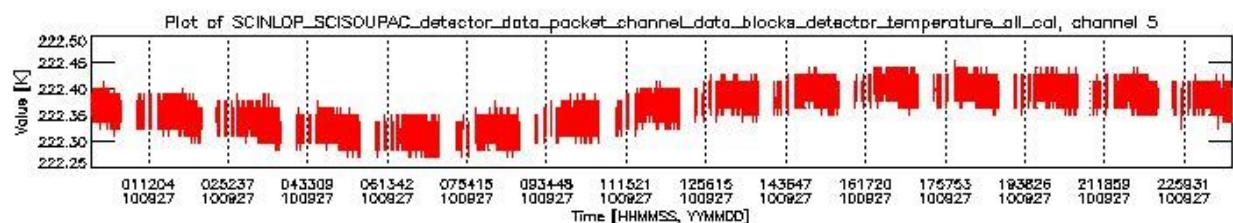
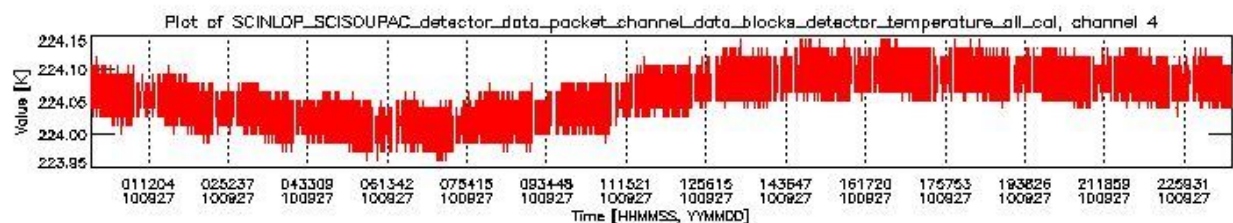
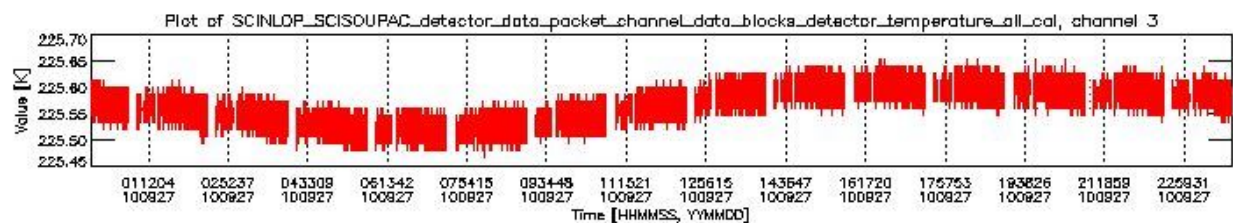
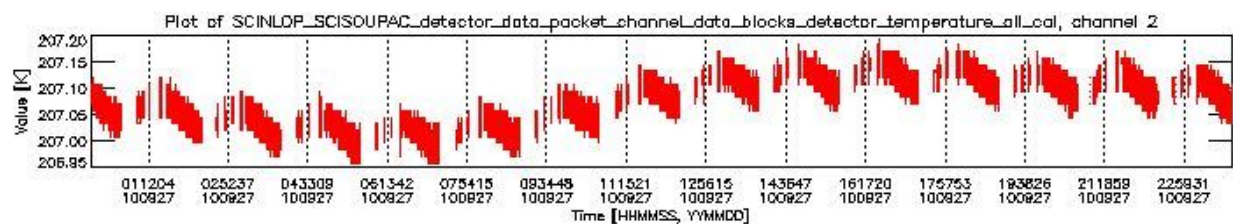
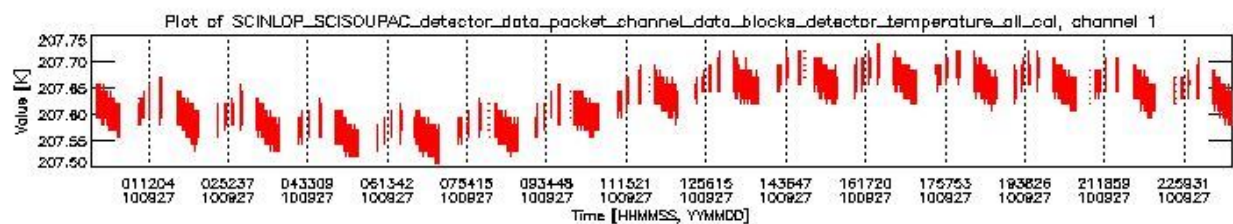
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sciamachy_daily_report_level0_Any_version_20100927_2.PNG



sciamachy_daily_report_level0_Any_version_20100927_3.PNG

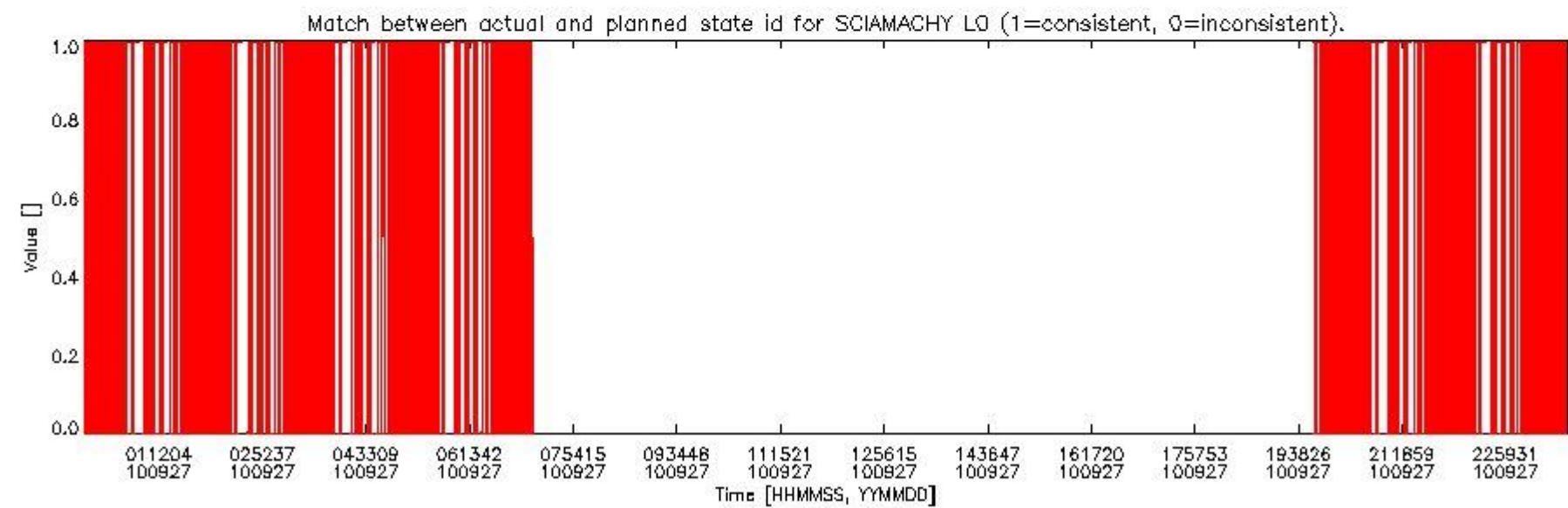
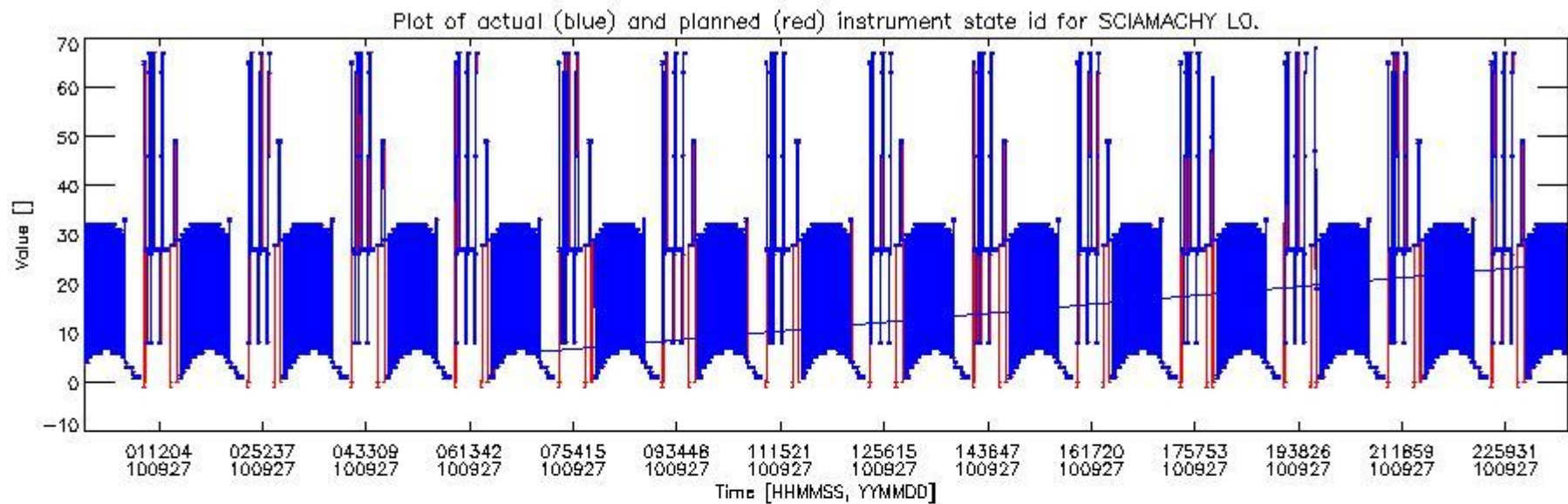


0.3 State monitoring

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: **48913**

#	Actual time	Actual value	Planned time	Planned value
0	27SEP2010 00:00:00.033494	4	27SEP2010 00:00:00.033494	31
1	27SEP2010 00:00:00.158494	4	27SEP2010 00:00:00.158494	31
2	27SEP2010 00:00:00.283494	4	27SEP2010 00:00:00.283494	31
3	27SEP2010 00:00:00.408494	4	27SEP2010 00:00:00.408494	31
4	27SEP2010 00:00:00.533494	4	27SEP2010 00:00:00.533494	31
5	27SEP2010 00:00:00.658494	4	27SEP2010 00:00:00.658494	31
6	27SEP2010 00:00:00.783494	4	27SEP2010 00:00:00.783494	31
7	27SEP2010 00:00:00.908494	4	27SEP2010 00:00:00.908494	31
8	27SEP2010 00:00:01.033494	4	27SEP2010 00:00:01.033494	31
9	27SEP2010 00:00:01.158494	4	27SEP2010 00:00:01.158494	31
10	27SEP2010 00:00:01.283494	4	27SEP2010 00:00:01.283494	31
11	27SEP2010 00:00:01.408494	4	27SEP2010 00:00:01.408494	31
12	27SEP2010 00:00:01.533494	4	27SEP2010 00:00:01.533494	31
13	27SEP2010 00:00:01.658494	4	27SEP2010 00:00:01.658494	31
14	27SEP2010 00:00:01.783494	4	27SEP2010 00:00:01.783494	31
15	27SEP2010 00:00:01.908494	4	27SEP2010 00:00:01.908494	31
16	27SEP2010 00:00:02.033494	4	27SEP2010 00:00:02.033494	31
17	27SEP2010 00:00:02.158494	4	27SEP2010 00:00:02.158494	31
18	27SEP2010 00:00:02.283494	4	27SEP2010 00:00:02.283494	31
19	27SEP2010 00:00:02.408494	4	27SEP2010 00:00:02.408494	31

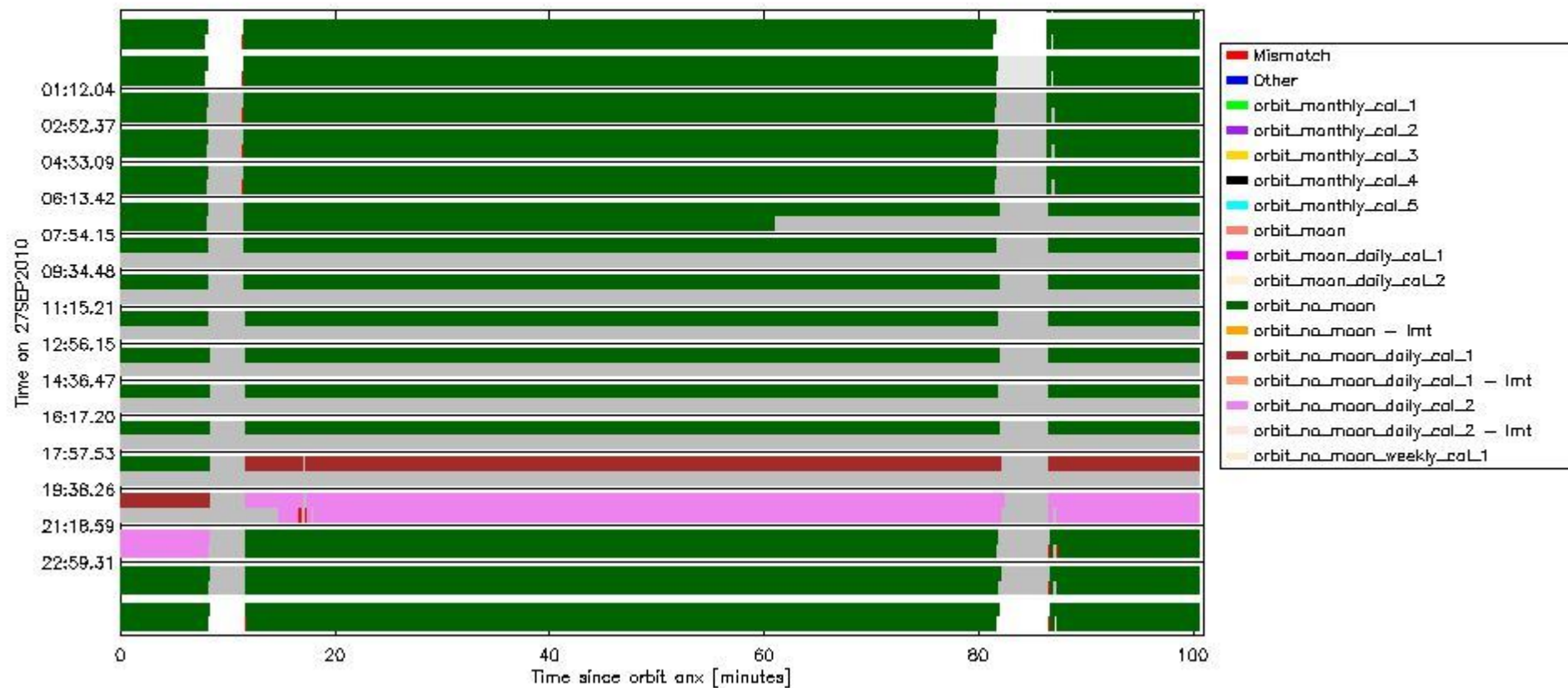


sciamachy_daily_report_level0_Any_versio_20100927_5.PNG

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 27SEP2010.
 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_20100927_6.PNG

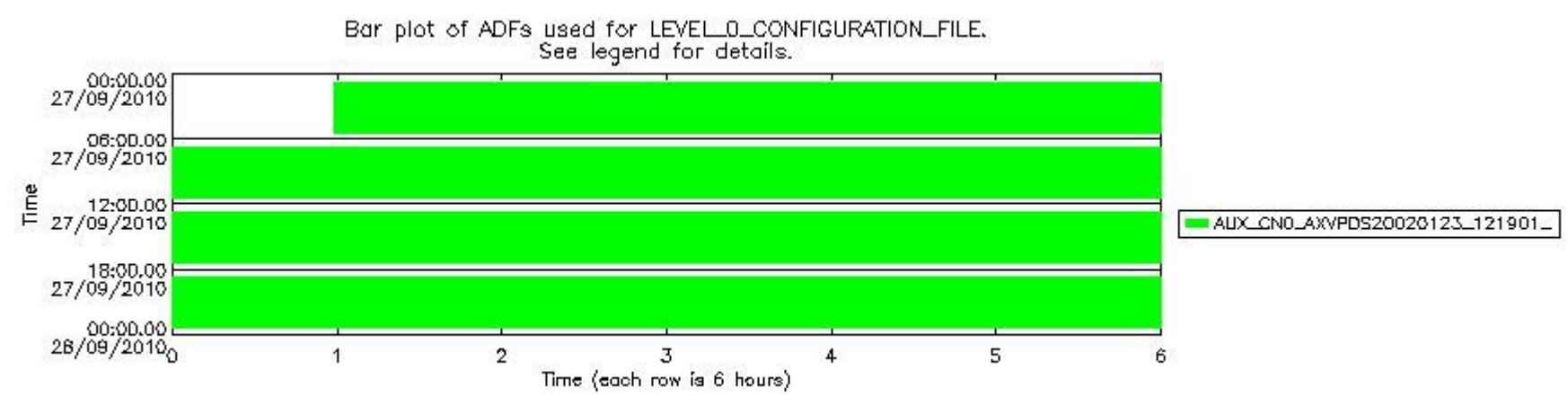
0.4 ADF monitoring

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

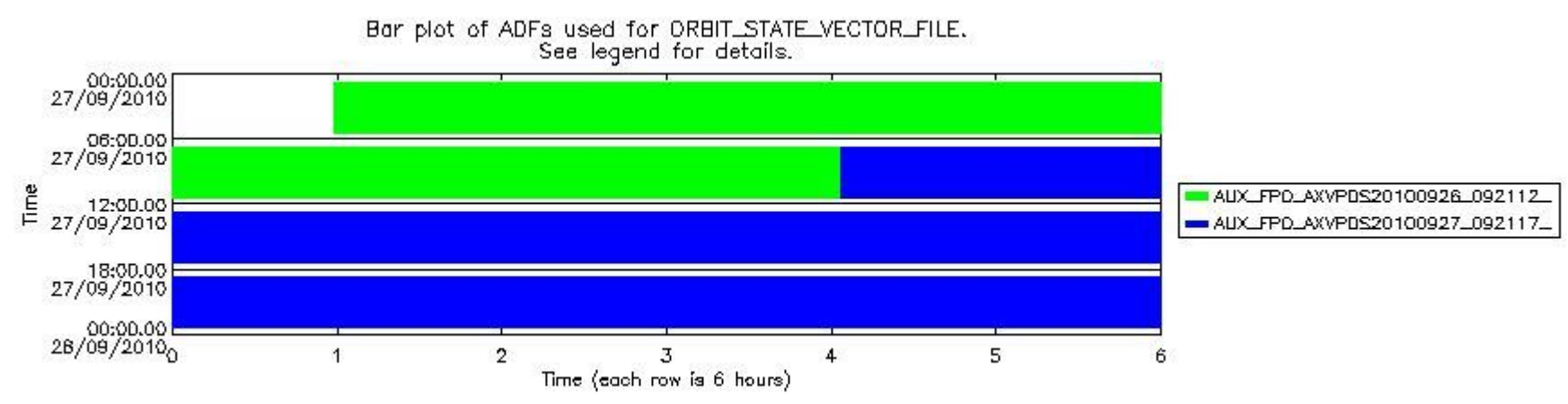
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

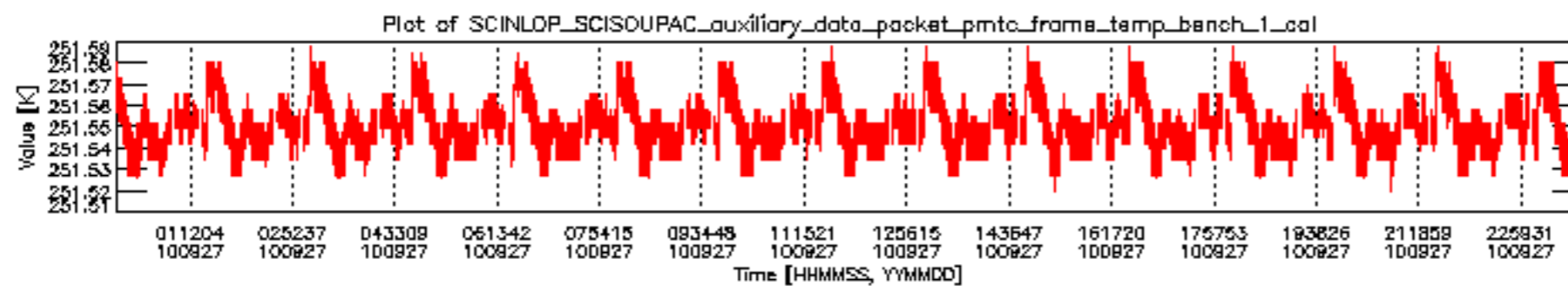
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100926_092112_20100925_190107_20101005_202719
2	AUX_FPO_AXVPDS20100927_092117_20100926_182930_20101006_213618

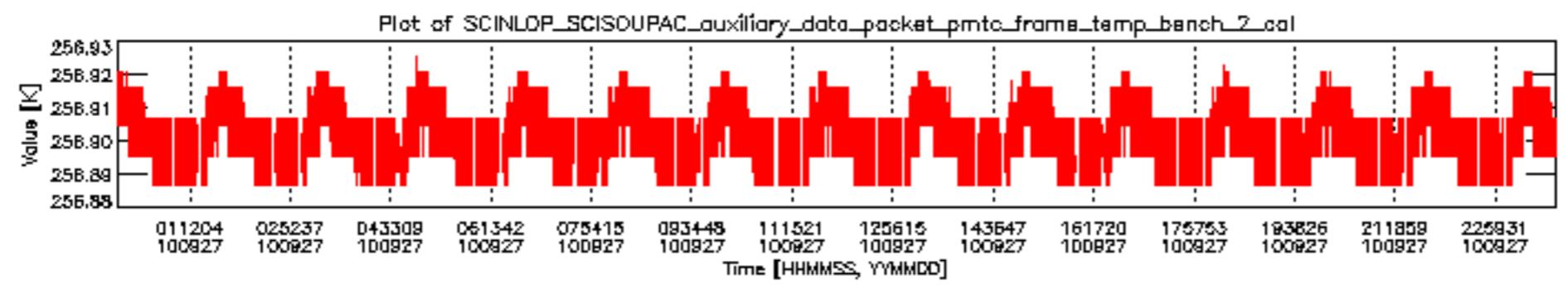


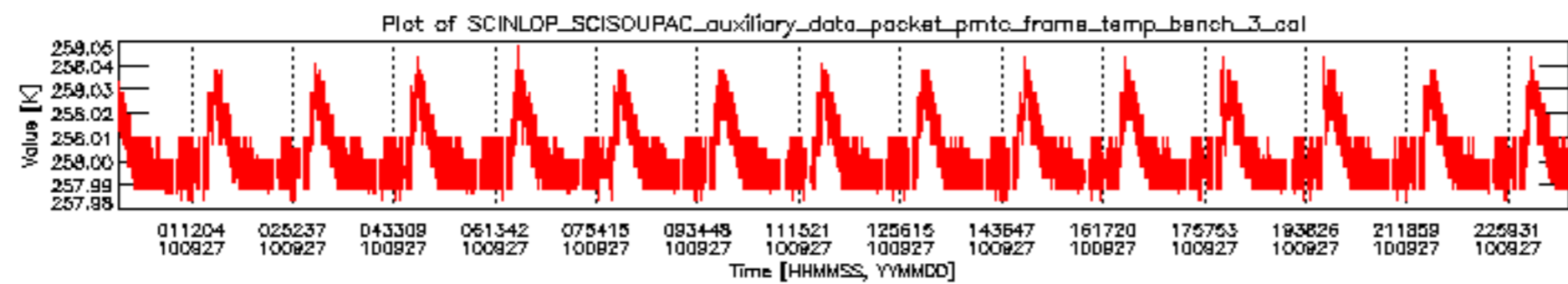
sciamachy_daily_report_level0_Any_version_20100927_7.PNG

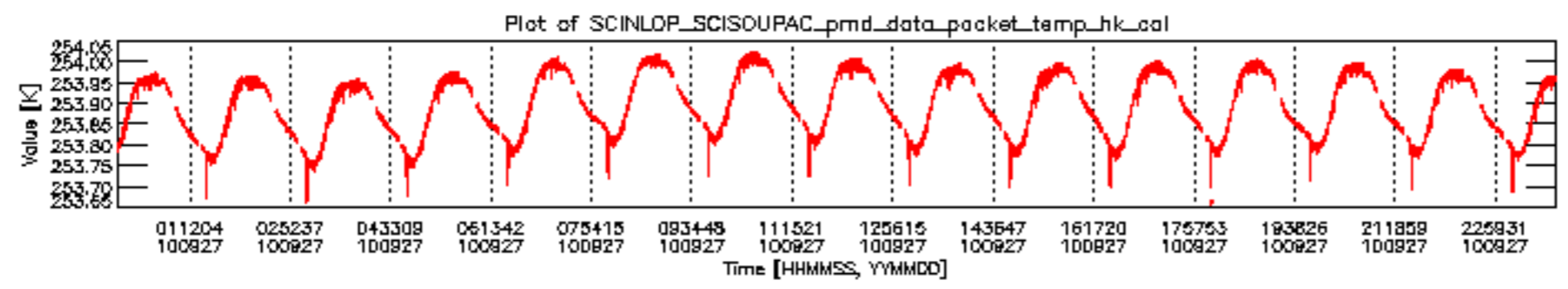


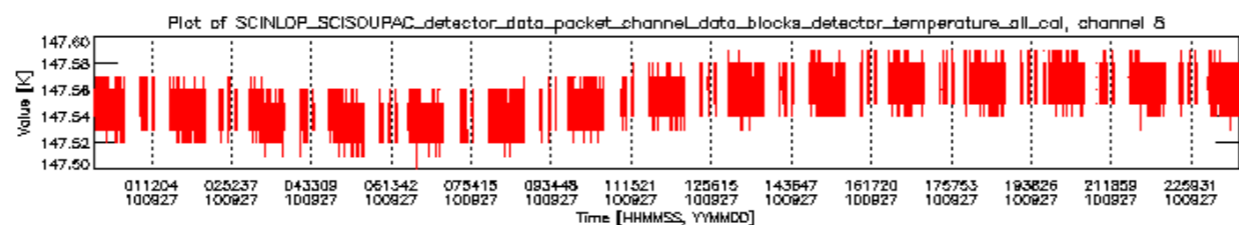
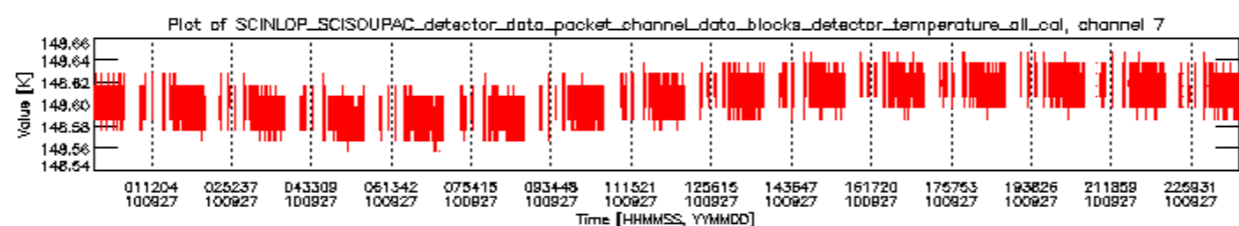
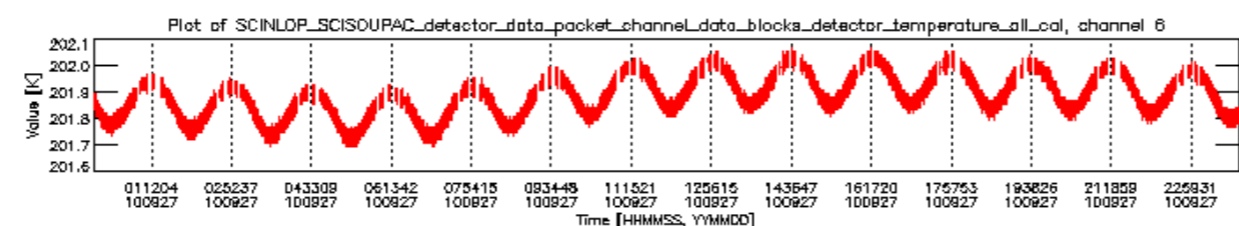
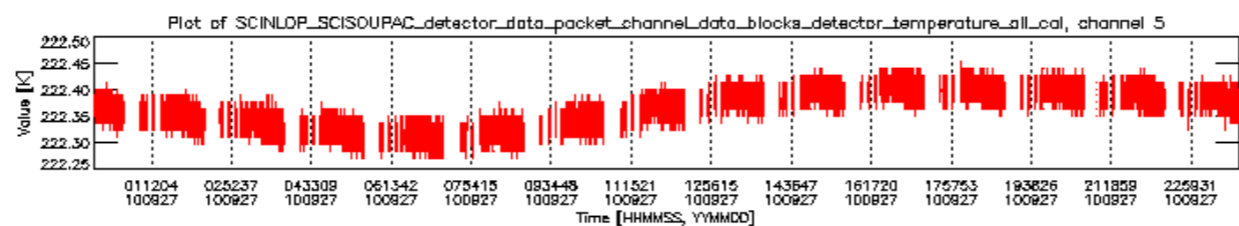
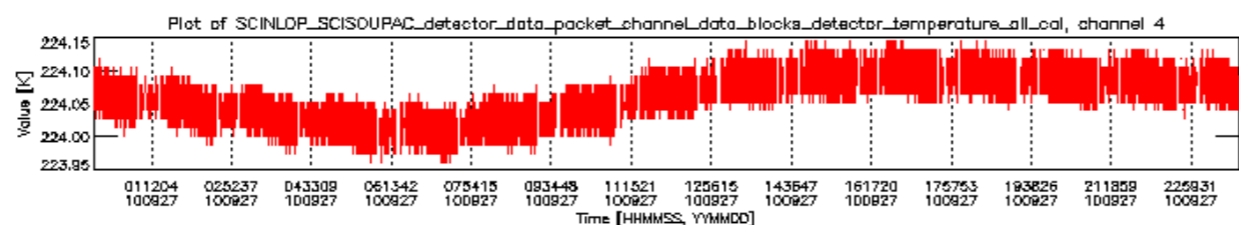
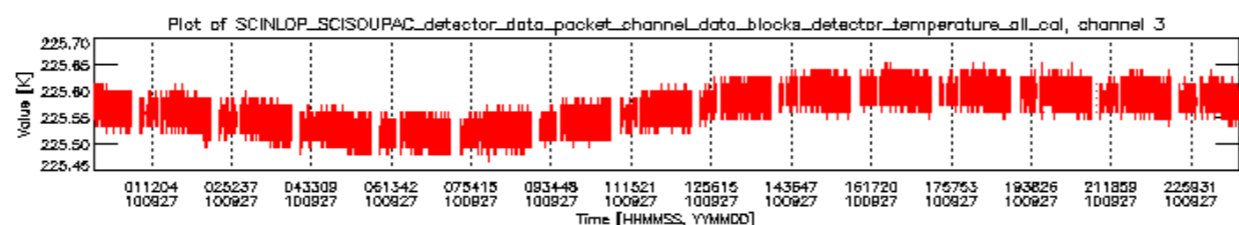
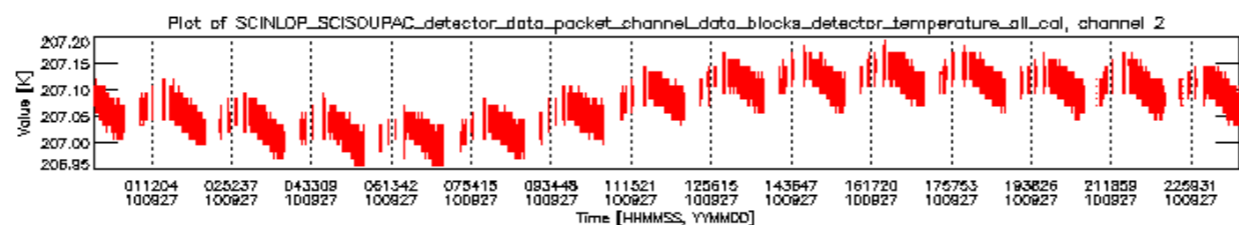
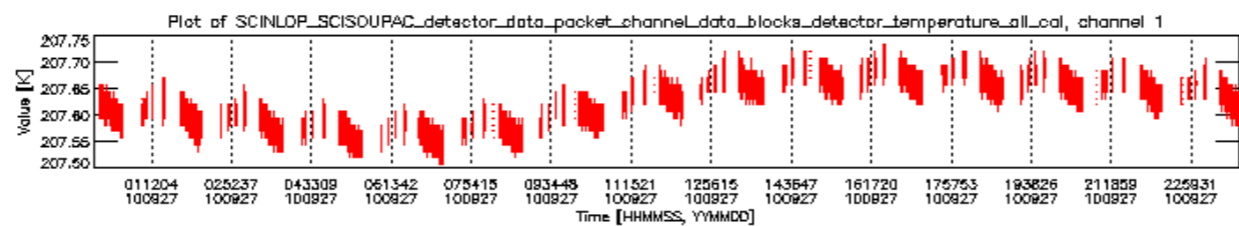
sciamachy_daily_report_level0_Any_version_20100927_8.PNG

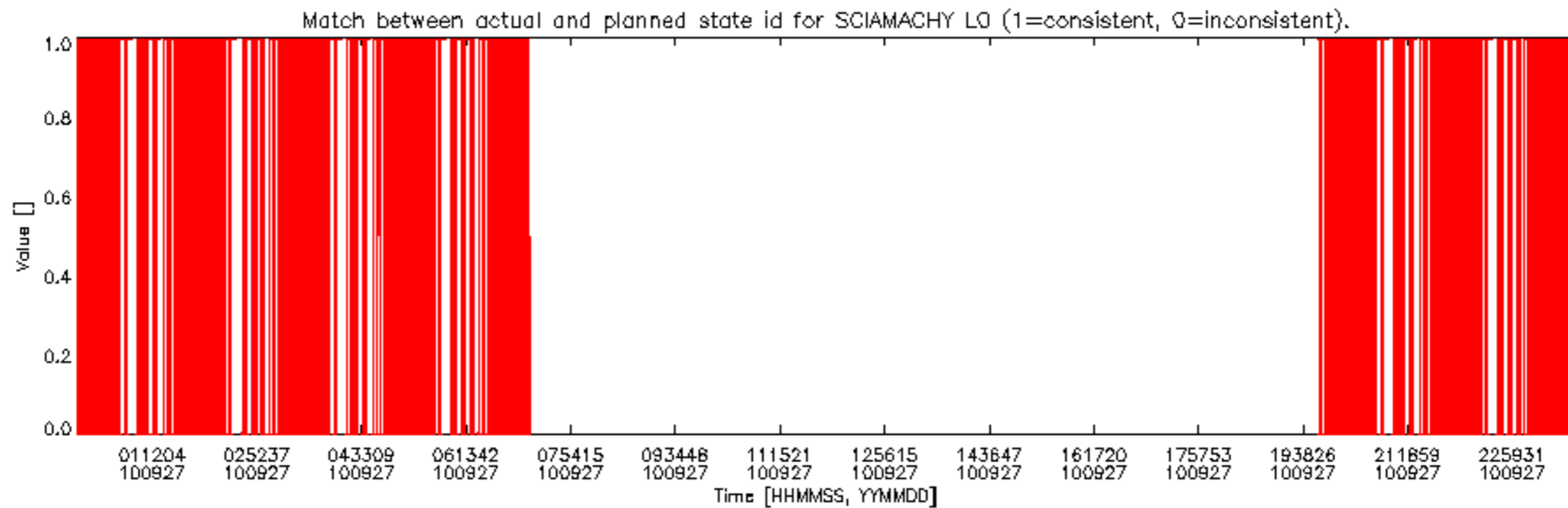
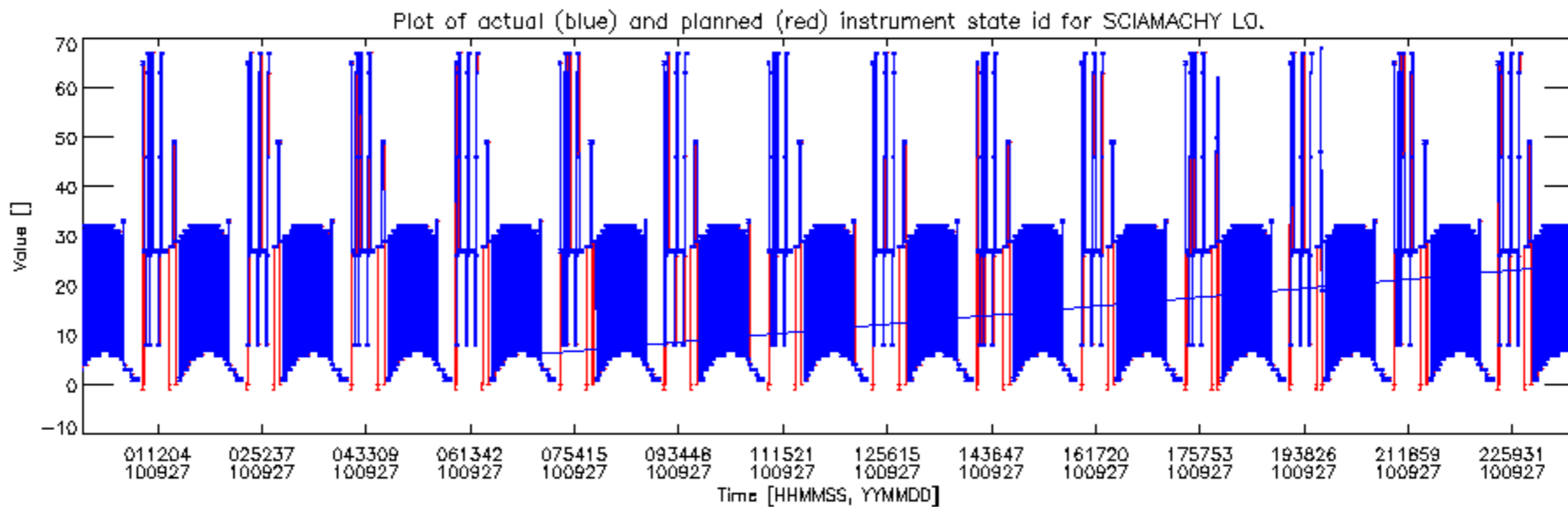




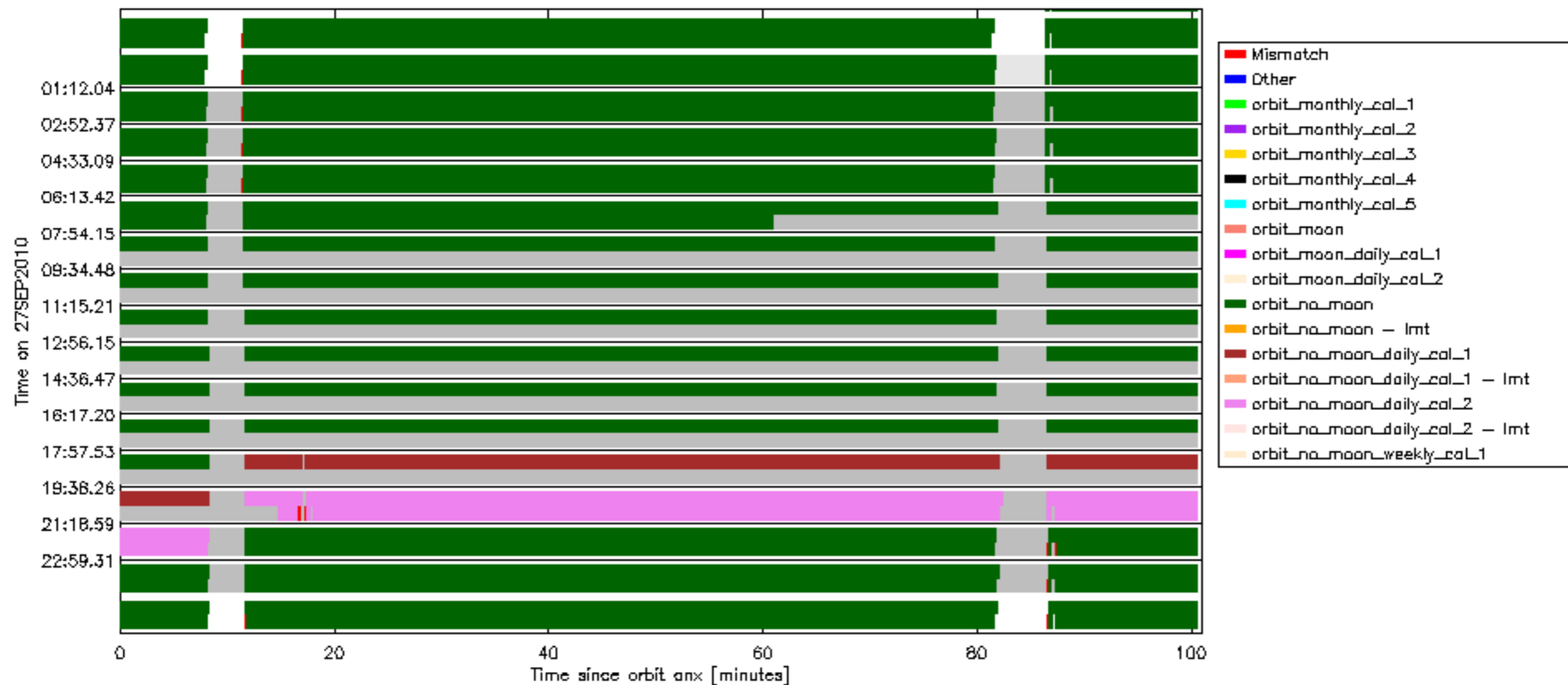


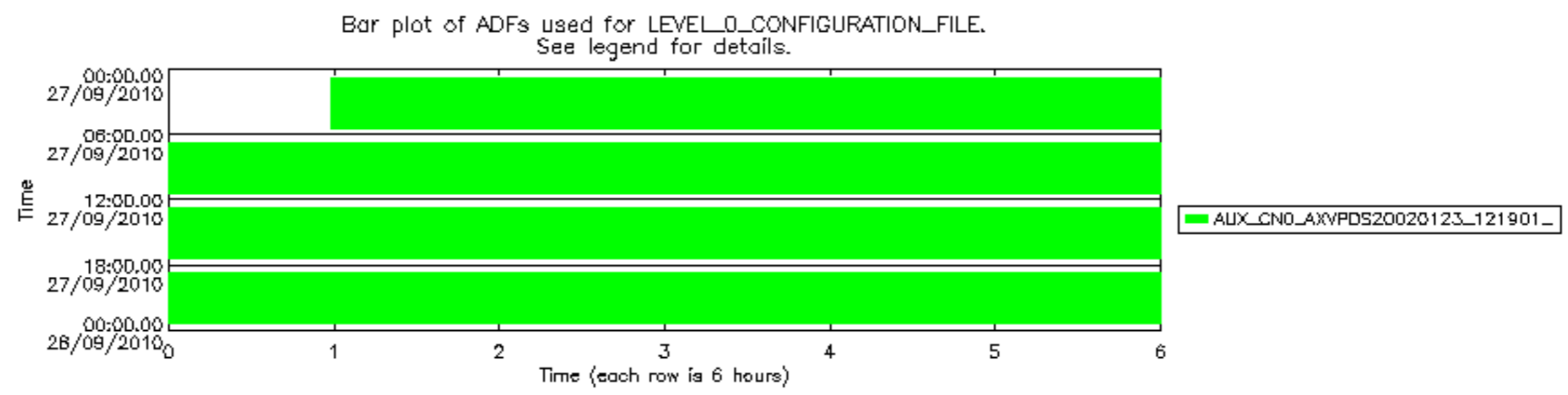






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
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

