

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	10OCT2010 02:05:36
Data source version	<Any version>
Processing scope for products	03OCT2010 00:00:00 to 04OCT2010 00:00:00
Start time of first product within scope	03OCT2010 01:10:40
Stop time of last product within scope	04OCT2010 00:39:54
Total number of Level 0 products	15
Number of Level 0 products with errors	0

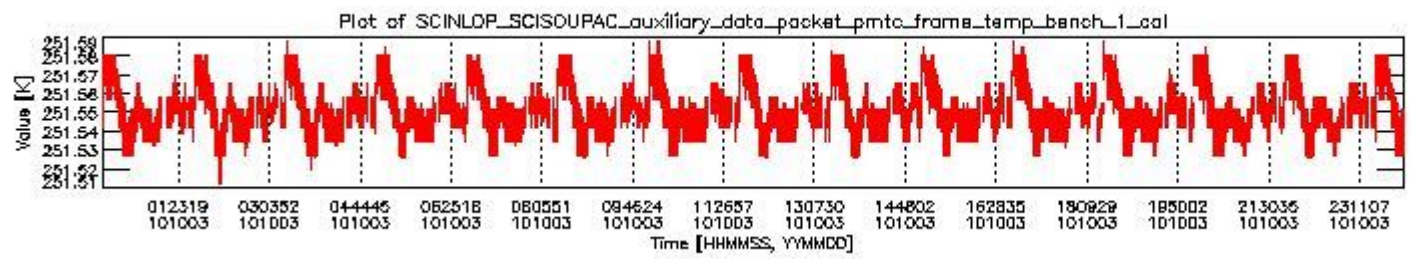
0.1.2 Summary per product

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

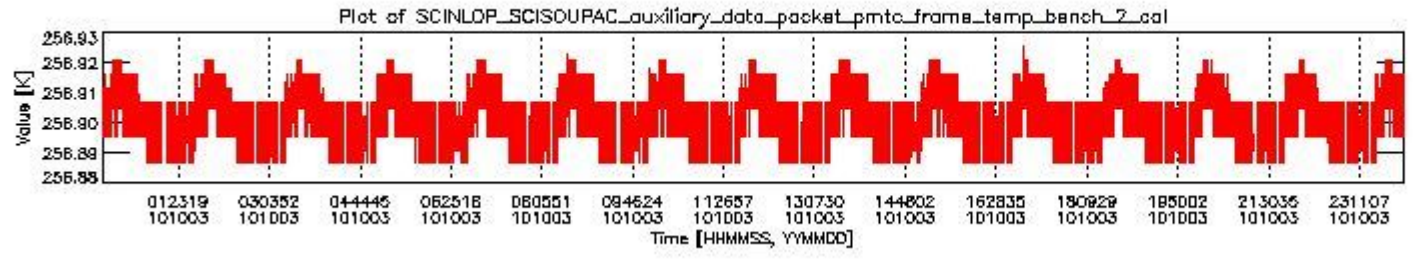
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20101003_011040_000096792093_00274_44917_2458.N1	03OCT2010 01:10:40	03OCT2010 03:51:59	0	0	0	0	0
1	SCI_NL__OPNPDE20101003_025033_000036862093_00275_44918_2461.N1	03OCT2010 02:50:33	03OCT2010 03:51:59	0	0	0	0	0
2	SCI_NL__OPNPDE20101003_035103_000068952093_00276_44919_2459.N1	03OCT2010 03:51:03	03OCT2010 05:45:58	0	0	0	0	0
3	SCI_NL__OPNPDE20101003_054558_000061052093_00277_44920_2462.N1	03OCT2010 05:45:58	03OCT2010 07:27:43	0	0	0	0	0
4	SCI_NL__OPNPDK20101003_072743_000039772093_00278_44921_2656.N1	03OCT2010 07:27:43	03OCT2010 08:34:00	0	0	0	0	0
5	SCI_NL__OPNPDK20101003_083155_000062292093_00279_44922_2657.N1	03OCT2010 08:31:55	03OCT2010 10:15:45	0	0	0	0	0
6	SCI_NL__OPNPDK20101003_101449_000058992093_00280_44923_2658.N1	03OCT2010 10:14:49	03OCT2010 11:53:08	0	0	0	0	0
7	SCI_NL__OPNPDK20101003_115212_000060362093_00281_44924_2659.N1	03OCT2010 11:52:12	03OCT2010 13:32:49	0	0	0	0	0
8	SCI_NL__OPNPDK20101003_133153_000058992093_00282_44925_2660.N1	03OCT2010 13:31:53	03OCT2010 15:10:12	0	0	0	0	0
9	SCI_NL__OPNPDK20101003_150820_000060372093_00283_44926_2661.N1	03OCT2010 15:08:20	03OCT2010 16:48:57	0	0	0	0	0
10	SCI_NL__OPNPDK20101003_164801_000058432093_00284_44927_2662.N1	03OCT2010 16:48:01	03OCT2010 18:25:24	0	0	0	0	0
11	SCI_NL__OPNPDK20101003_182524_000060362093_00285_44928_2663.N1	03OCT2010 18:25:24	03OCT2010 20:06:00	0	0	0	0	0
12	SCI_NL__OPNPDE20101003_200407_000040542093_00286_44929_2463.N1	03OCT2010 20:04:07	03OCT2010 21:11:42	0	0	0	0	0
13	SCI_NL__OPNPDE20101003_211713_000061242093_00286_44929_2464.N1	03OCT2010 21:17:13	03OCT2010 22:59:17	0	0	0	0	0
14	SCI_NL__OPNPDE20101003_225833_000060802093_00287_44930_2465.N1	03OCT2010 22:58:33	04OCT2010 00:39:54	0	0	0	0	0

0.2 Product Quality Indicators

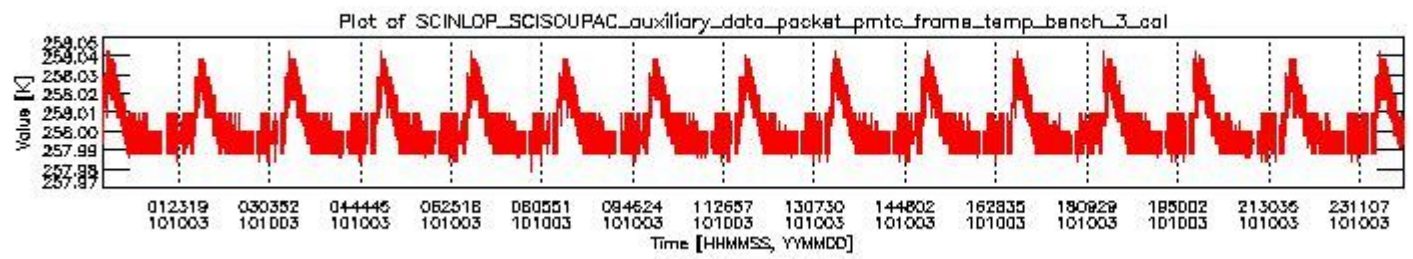
This section shows information about product quality, currently temperatures.



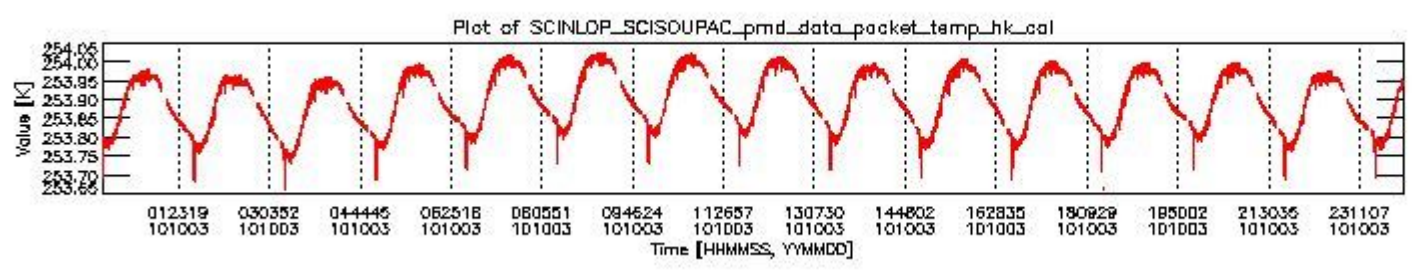
sciamachy_daily_report_level0_Any_version_20101003_0.PNG



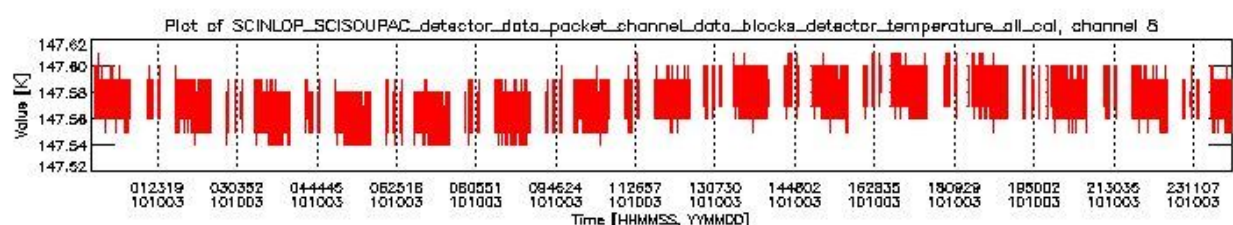
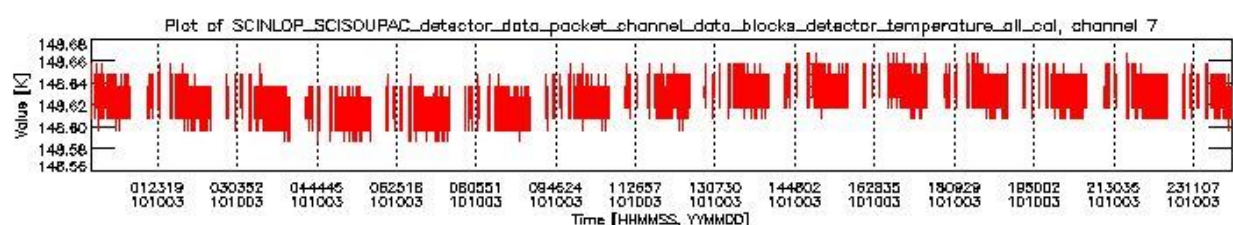
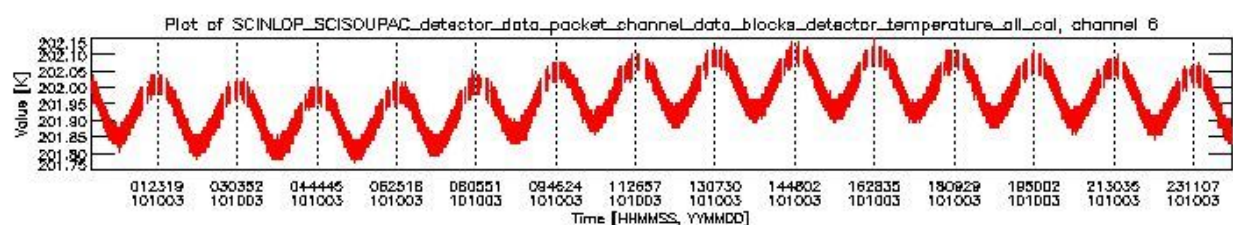
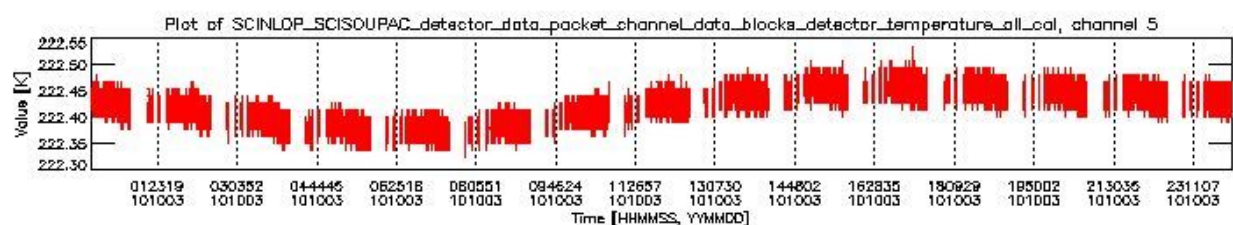
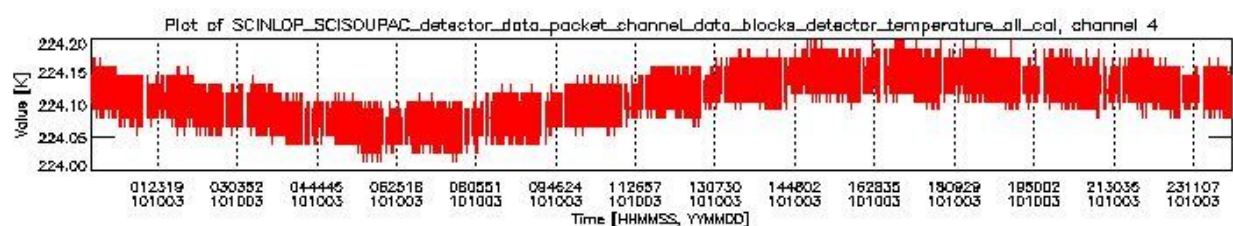
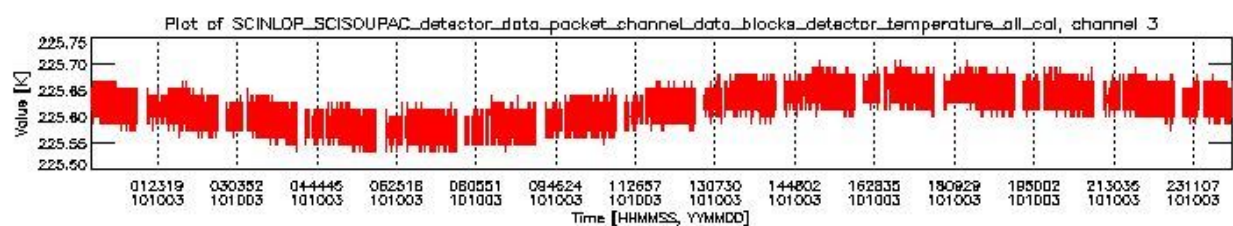
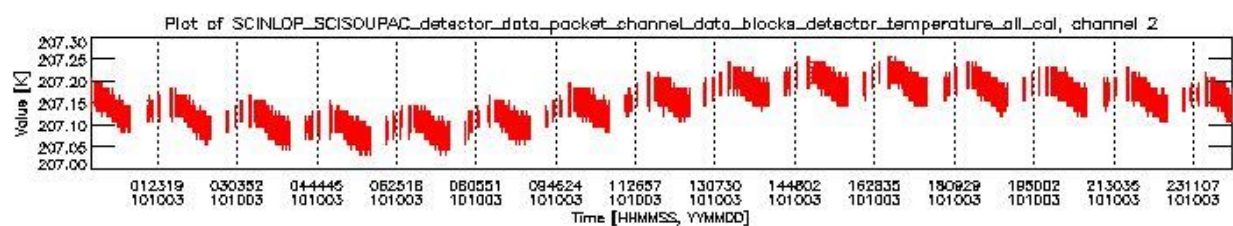
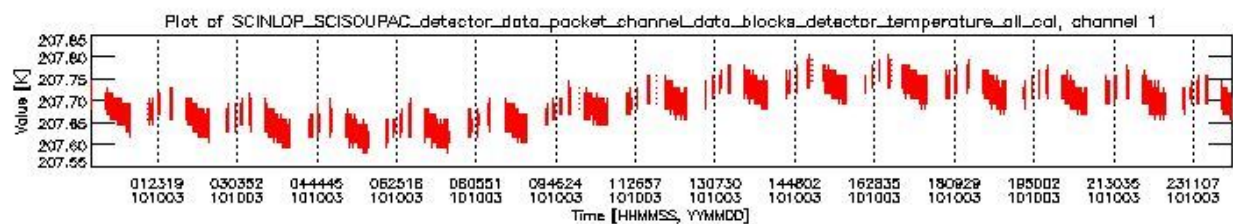
sciamachy_daily_report_level0_Any_version_20101003_1.PNG



sciamachy_daily_report_level0_Any_version_20101003_2.PNG



sciamachy_daily_report_level0_Any_version_20101003_3.PNG

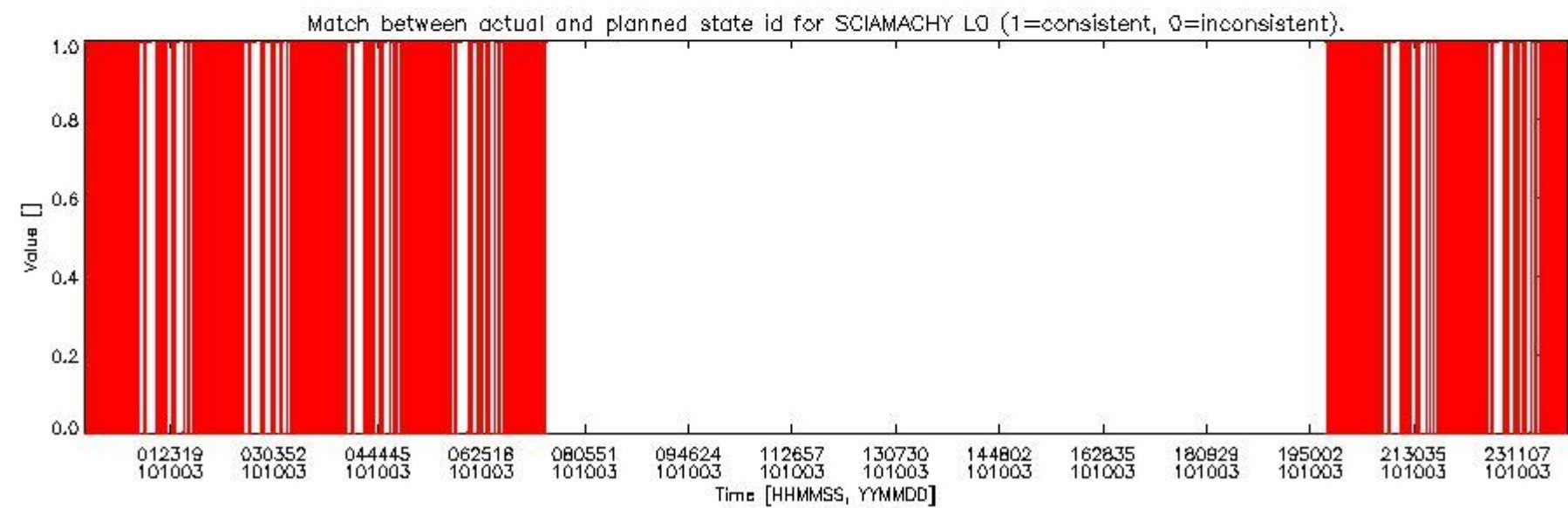
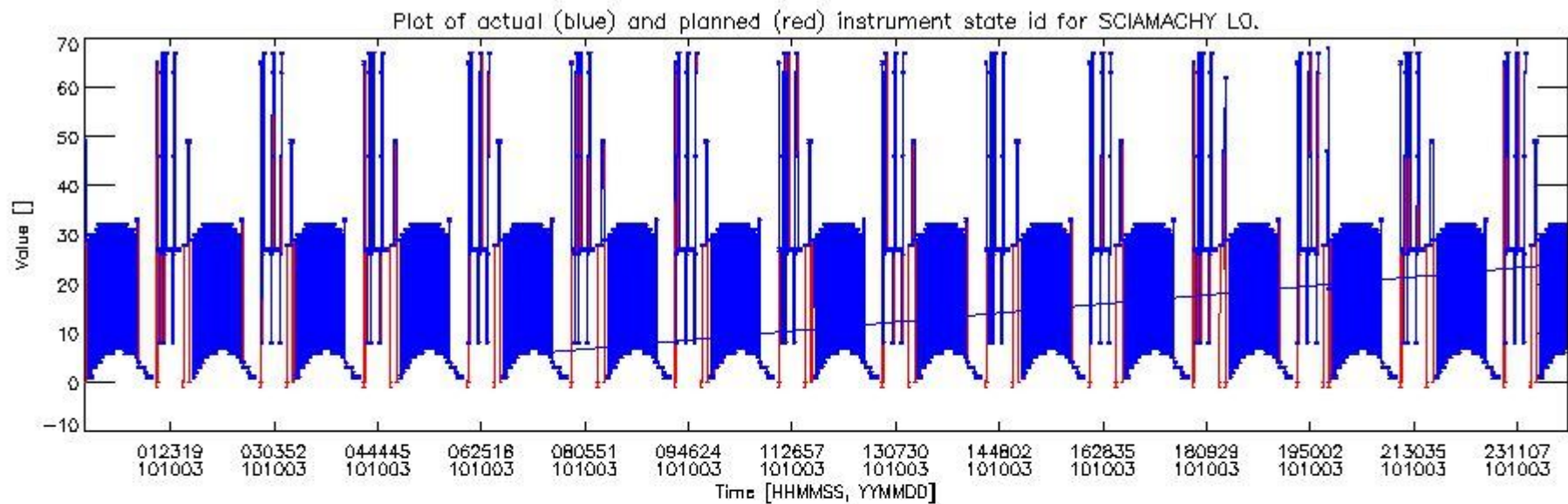


0.3 State monitoring

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: **52219**

#	Actual time	Actual value	Planned time	Planned value
0	03OCT2010 00:01:01.106829	29	03OCT2010 00:01:01.106829	49
1	03OCT2010 00:01:01.731829	29	03OCT2010 00:01:01.731829	49
2	03OCT2010 00:01:02.106829	29	03OCT2010 00:01:02.106829	49
3	03OCT2010 00:01:02.481829	29	03OCT2010 00:01:02.481829	49
4	03OCT2010 00:01:03.044329	29	03OCT2010 00:01:03.044329	49
5	03OCT2010 00:01:03.419329	29	03OCT2010 00:01:03.419329	49
6	03OCT2010 00:01:03.794329	29	03OCT2010 00:01:03.794329	49
7	03OCT2010 00:01:04.169329	29	03OCT2010 00:01:04.169329	49
8	03OCT2010 00:01:04.731829	29	03OCT2010 00:01:04.731829	49
9	03OCT2010 00:01:05.106829	29	03OCT2010 00:01:05.106829	49
10	03OCT2010 00:01:05.481829	29	03OCT2010 00:01:05.481829	49
11	03OCT2010 00:01:05.856829	29	03OCT2010 00:01:05.856829	49
12	03OCT2010 00:01:06.106829	29	03OCT2010 00:01:06.106829	49
13	03OCT2010 00:01:06.419329	29	03OCT2010 00:01:06.419329	49
14	03OCT2010 00:01:06.794329	29	03OCT2010 00:01:06.794329	49
15	03OCT2010 00:01:07.169329	29	03OCT2010 00:01:07.169329	49
16	03OCT2010 00:01:07.544329	29	03OCT2010 00:01:07.544329	49
17	03OCT2010 00:01:08.106829	29	03OCT2010 00:01:08.106829	49
18	03OCT2010 00:01:08.481829	29	03OCT2010 00:01:08.481829	0
19	03OCT2010 00:01:08.856829	29	03OCT2010 00:01:08.856829	0

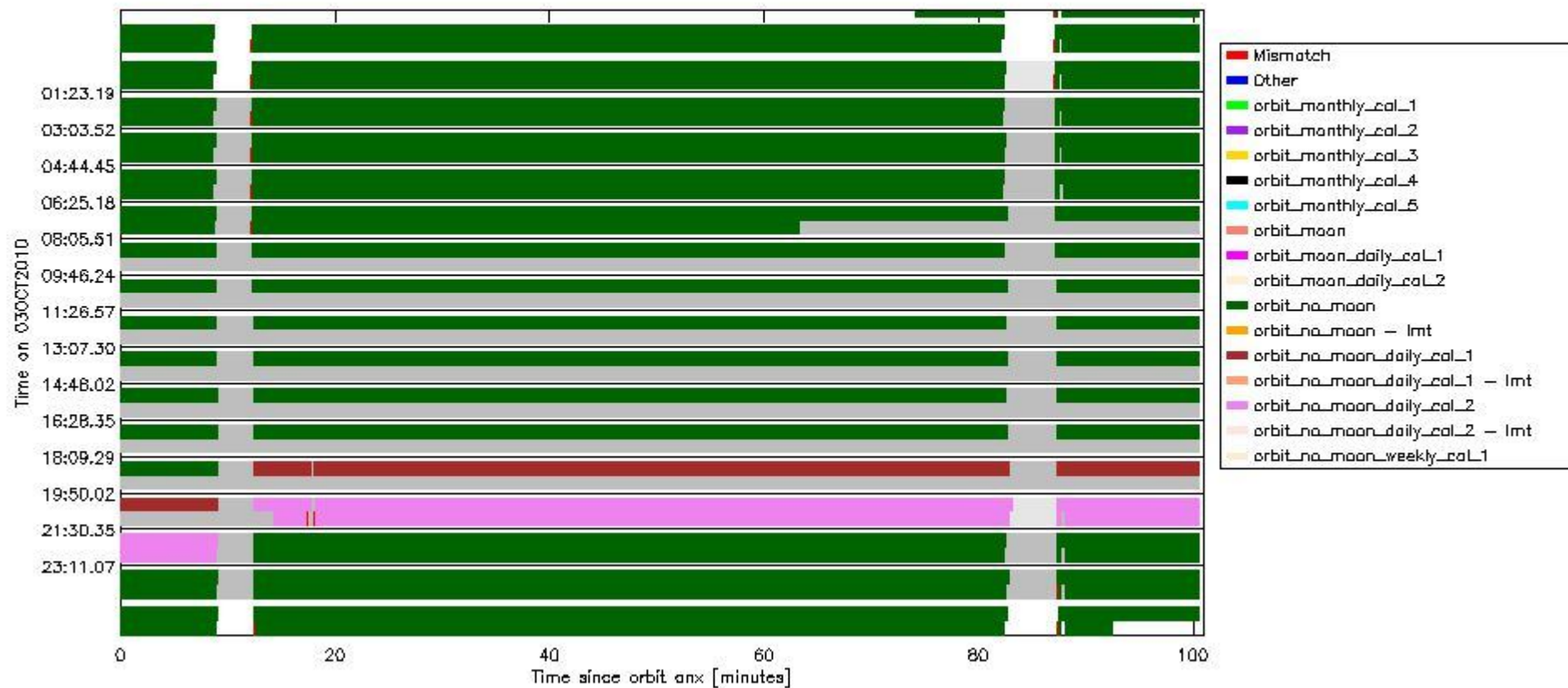


sciamachy_daily_report_level0_Any_version_20101003_5.PNG

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 03OCT2010.
 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_20101003_6.PNG

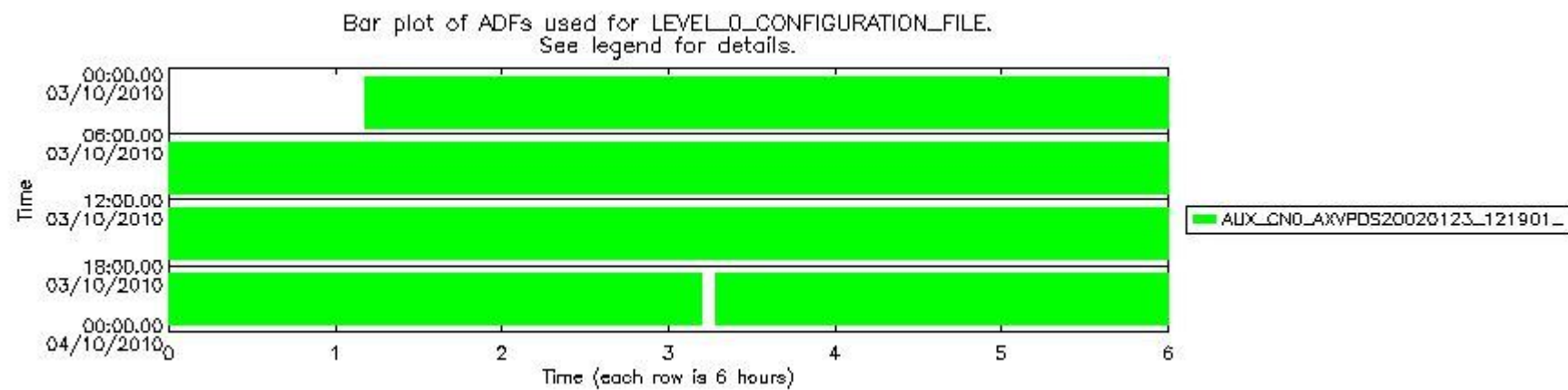
0.4 ADF monitoring

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

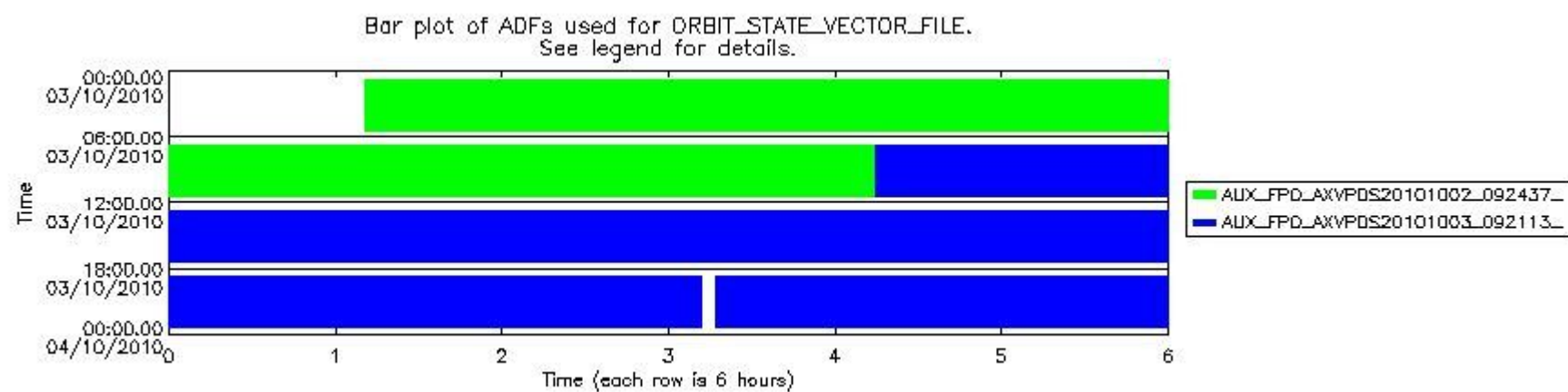
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

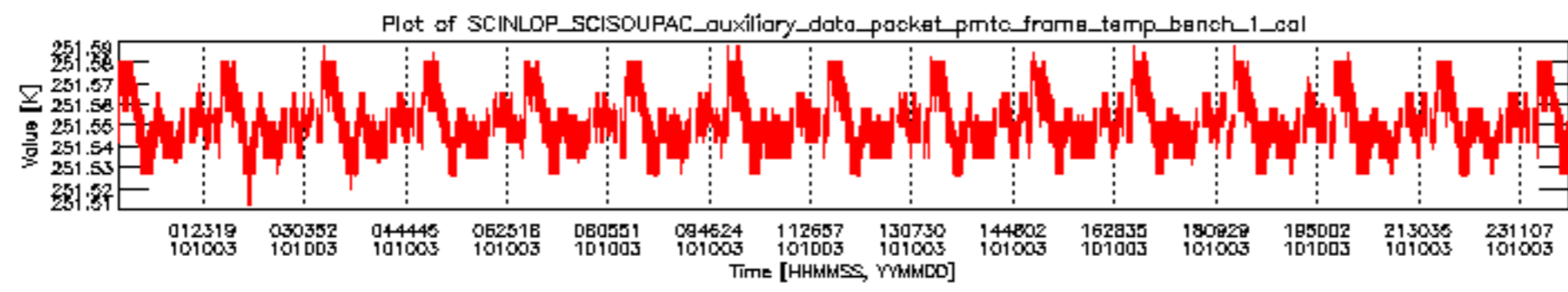
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20101002_092437_20101001_191236_20101011_203848
2	AUX_FPO_AXVPDS20101003_092113_20101002_184059_20101012_200710

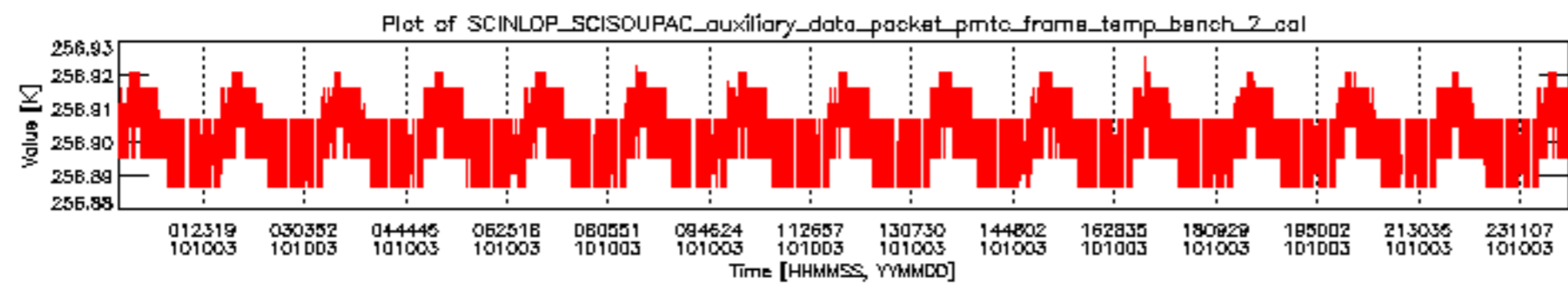


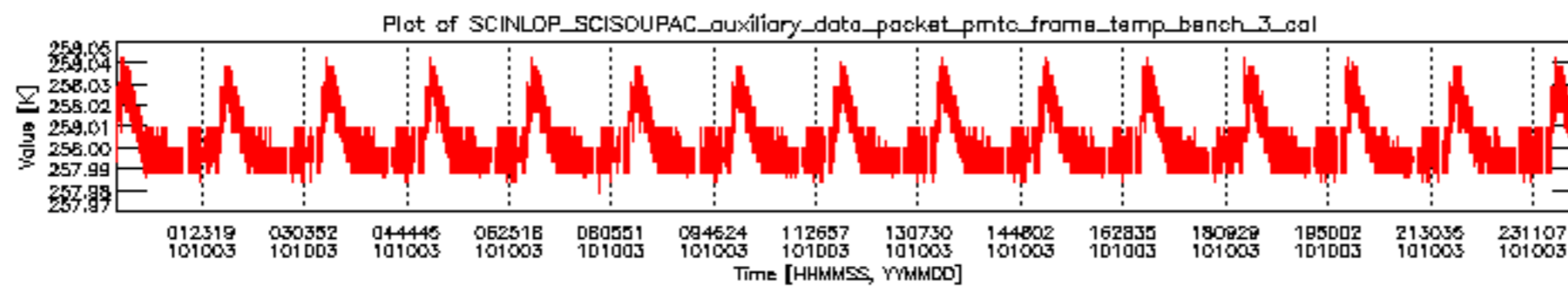
sciamachy_daily_report_level0_Any_version_20101003_7.PNG

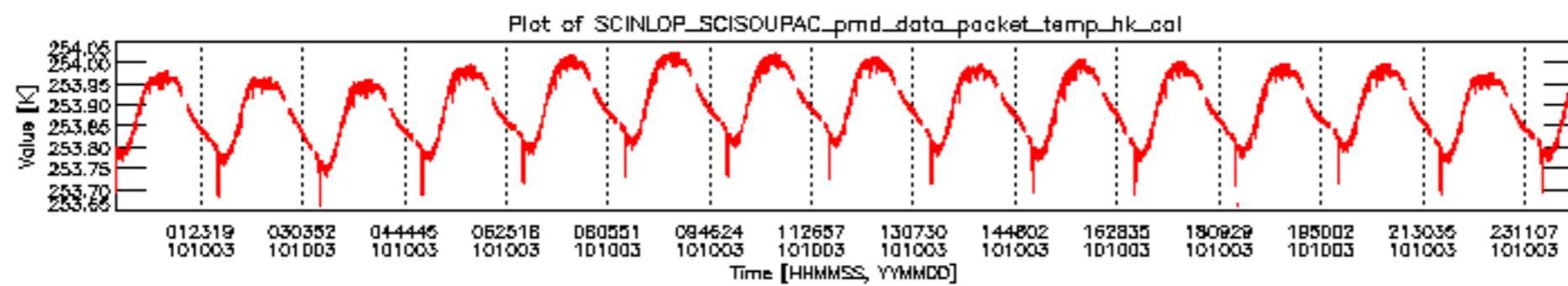


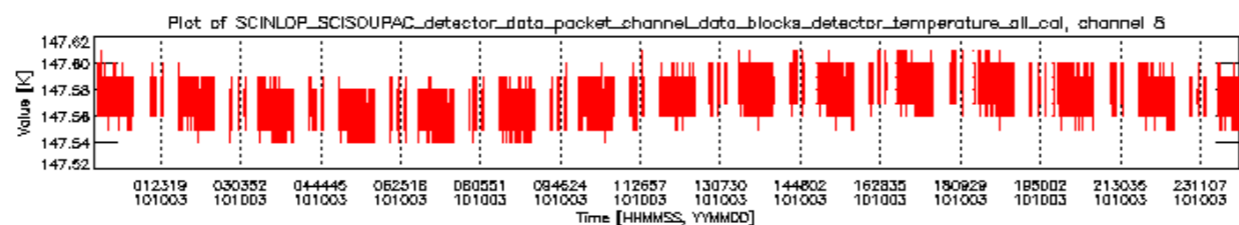
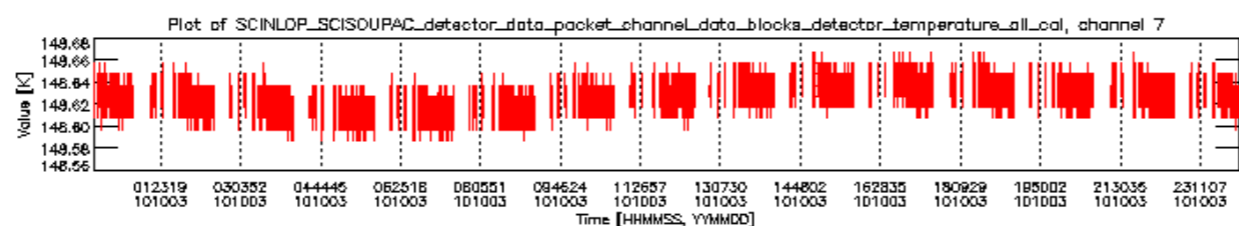
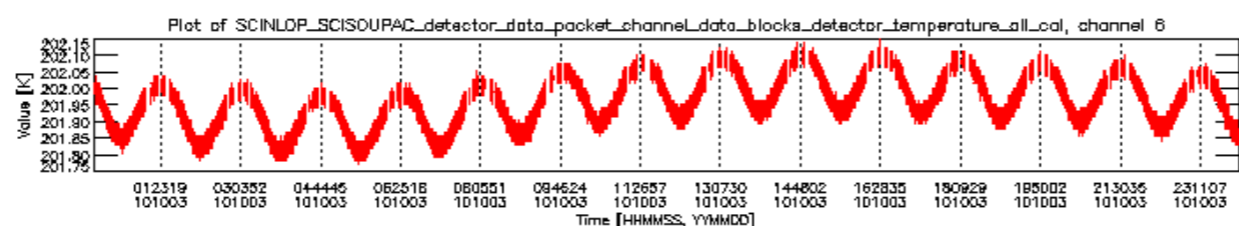
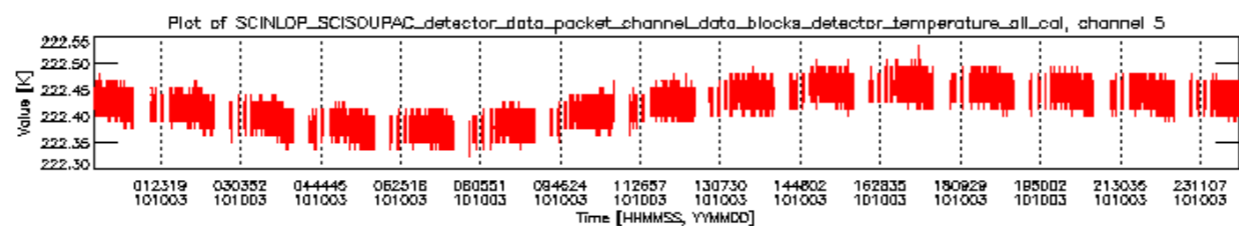
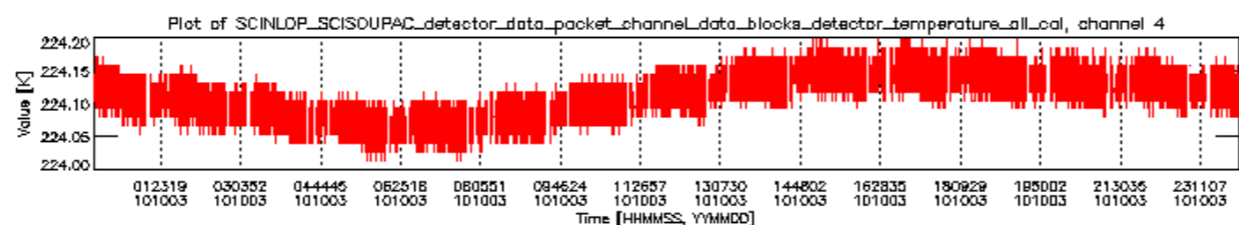
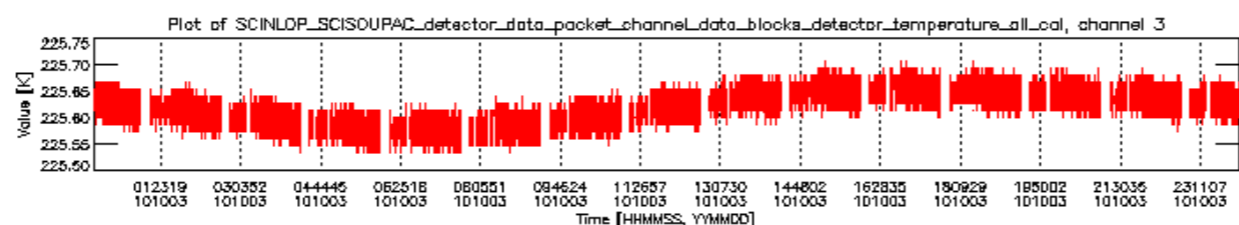
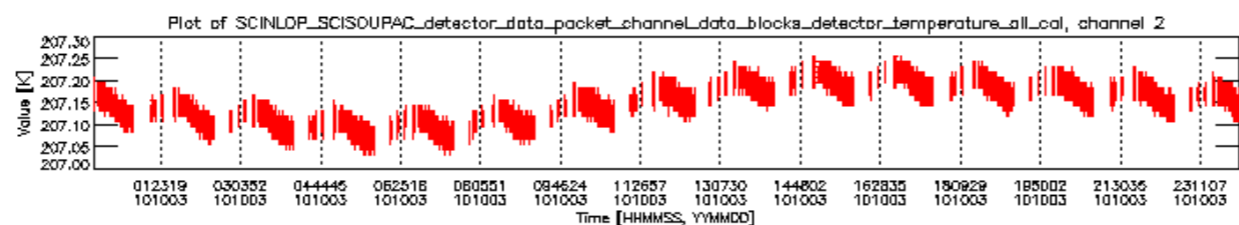
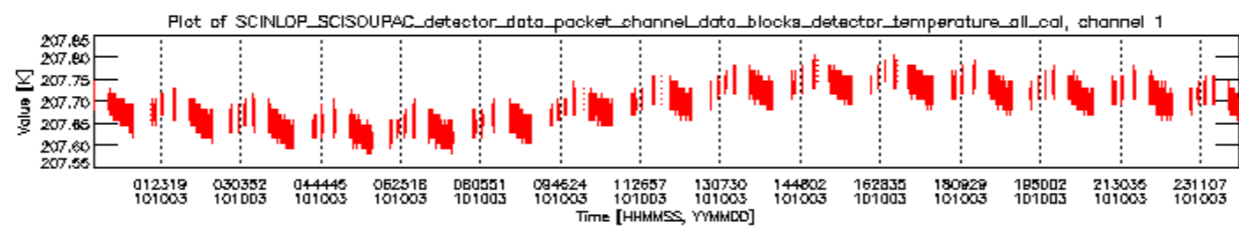
sciamachy_daily_report_level0_Any_version_20101003_8.PNG

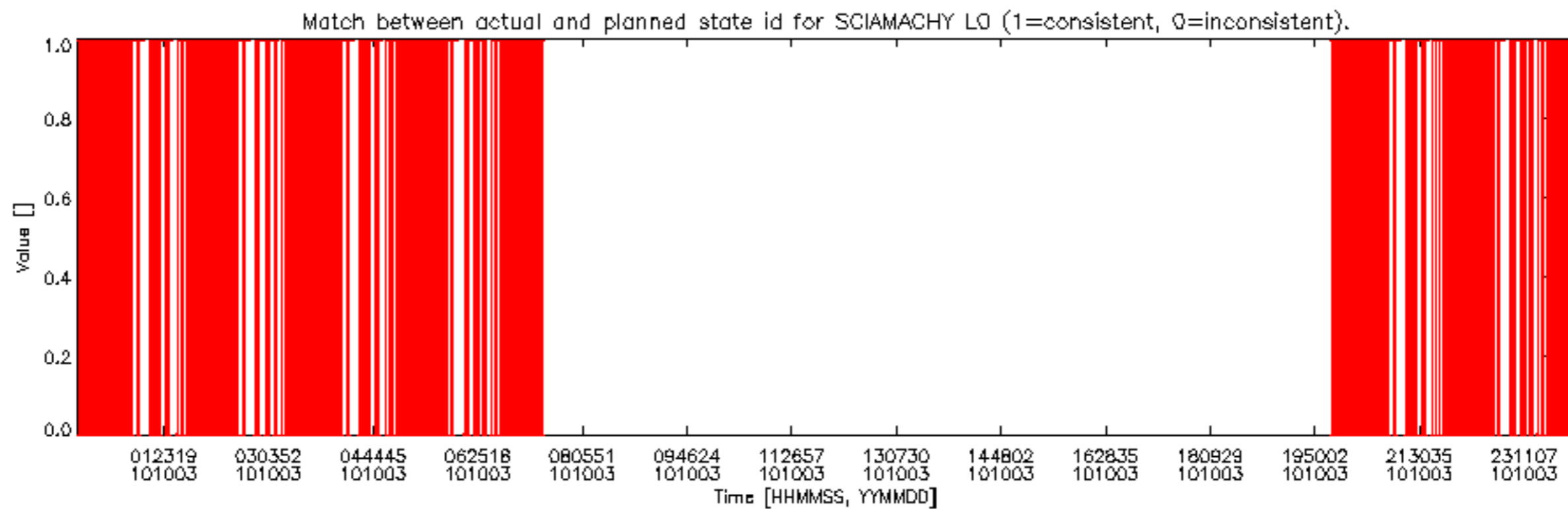
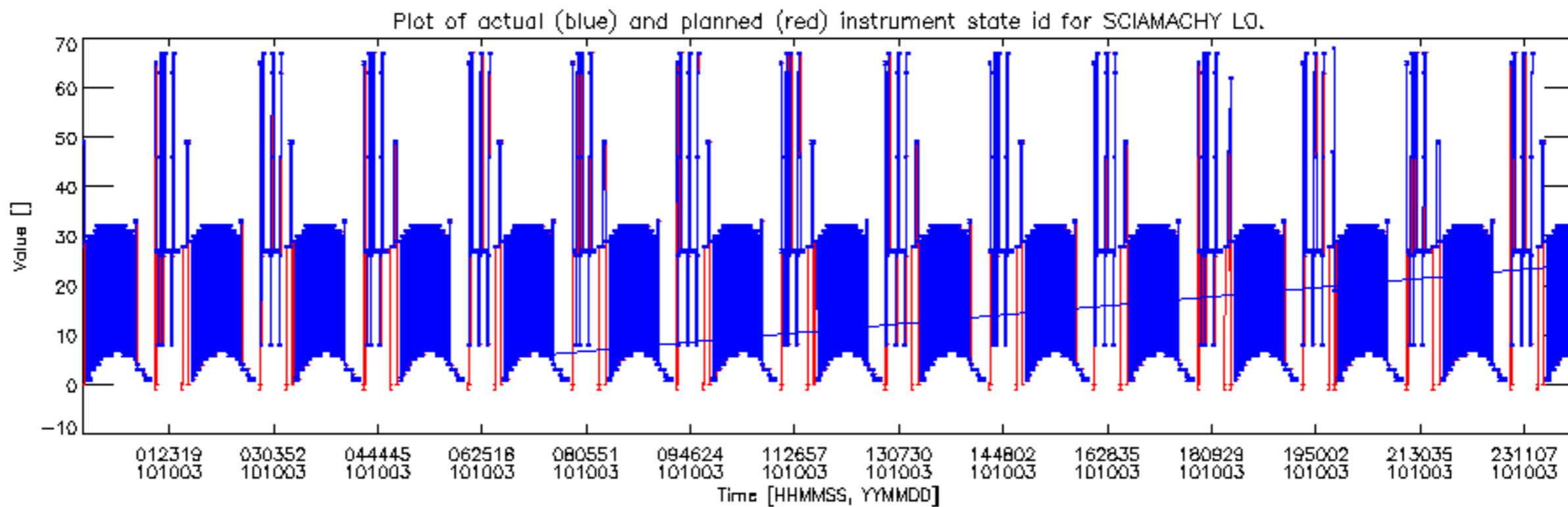












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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