

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	09NOV2010 03:13:12
Data source version	KSPT_L0/4504-N
Processing scope for products	02NOV2010 00:00:00 to 03NOV2010 00:00:00
Start time of first product within scope	02NOV2010 01:24:53
Stop time of last product within scope	03NOV2010 00:42:50
Total number of Level 0 products	13
Number of Level 0 products with errors	1

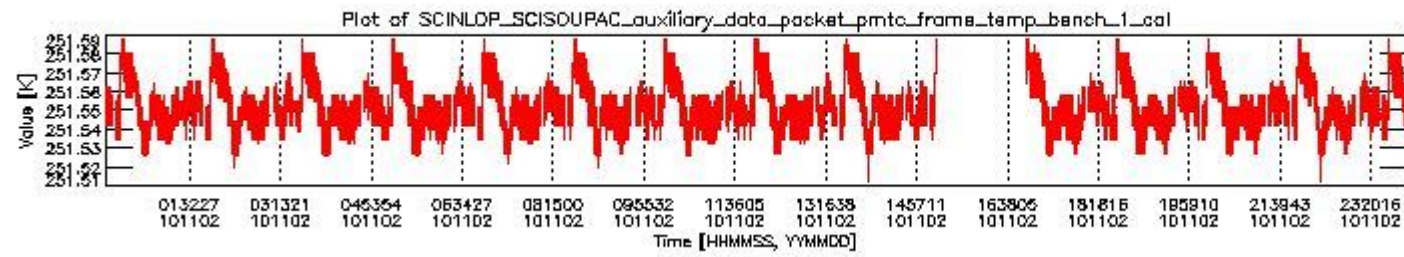
0.1.2 Summary per product

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

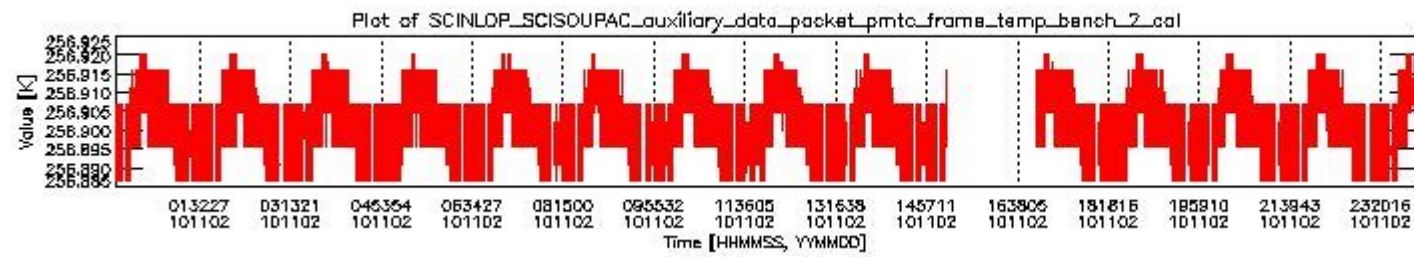
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20101102_012453_000101453096_00074_45347_1829.N1	02NOV2010 01:24:53	02NOV2010 04:13:59	0	0	0	0	0
1	SCI_NL__OPNPDE20101102_041250_000062643096_00076_45349_1830.N1	02NOV2010 04:12:50	02NOV2010 05:57:14	0	0	0	0	0
2	SCI_NL__OPNPDK20101102_055605_000039683096_00077_45350_2868.N1	02NOV2010 05:56:05	02NOV2010 07:02:13	0	0	0	0	0
3	SCI_NL__OPNPDK20101102_070117_000062513096_00078_45351_2869.N1	02NOV2010 07:01:17	02NOV2010 08:45:28	0	0	0	0	0
4	SCI_NL__OPNPDK20101102_084323_000060833096_00079_45352_2870.N1	02NOV2010 08:43:23	02NOV2010 10:24:46	0	0	0	0	0
5	SCI_NL__OPNPDK20101102_102242_000060703096_00080_45353_2871.N1	02NOV2010 10:22:42	02NOV2010 12:03:52	1	1	0	0	0
6	SCI_NL__OPNPDK20101102_120257_000059593096_00081_45354_2872.N1	02NOV2010 12:02:57	02NOV2010 13:42:15	0	0	0	0	0
7	SCI_NL__OPNPDK20101102_134107_000058473096_00082_45355_2873.N1	02NOV2010 13:41:07	02NOV2010 15:18:34	0	0	0	0	0
8	SCI_NL__OPNPDK20101102_165630_000059583096_00084_45357_2877.N1	02NOV2010 16:56:30	02NOV2010 18:35:48	0	0	0	0	0
9	SCI_NL__OPNPDK20101102_183356_000060703096_00085_45358_2876.N1	02NOV2010 18:33:56	02NOV2010 20:15:07	0	0	0	0	0
10	SCI_NL__OPNPDE20101102_201315_000041613096_00086_45359_1831.N1	02NOV2010 20:13:15	02NOV2010 21:22:36	0	0	0	0	0
11	SCI_NL__OPNPDE20101102_212748_000056753096_00086_45359_1832.N1	02NOV2010 21:27:48	02NOV2010 23:02:23	0	0	0	0	0
12	SCI_NL__OPNPDE20101102_230803_000056873096_00087_45360_1833.N1	02NOV2010 23:08:03	03NOV2010 00:42:50	0	0	0	0	0

0.2 Product Quality Indicators

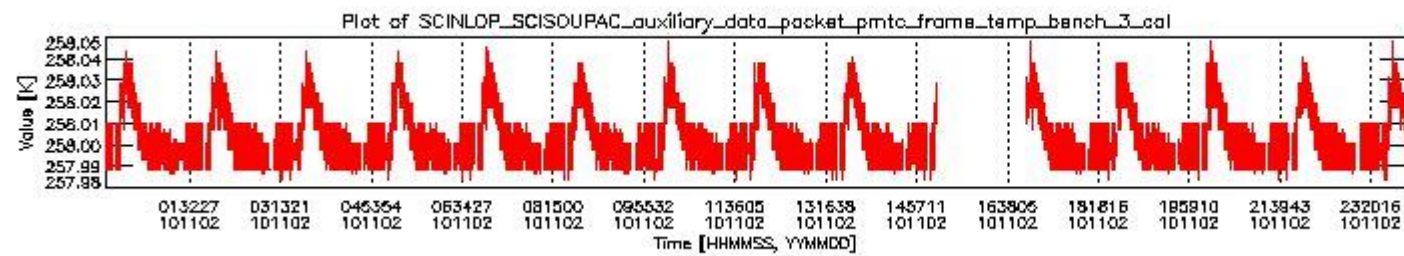
This section shows information about product quality, currently temperatures.



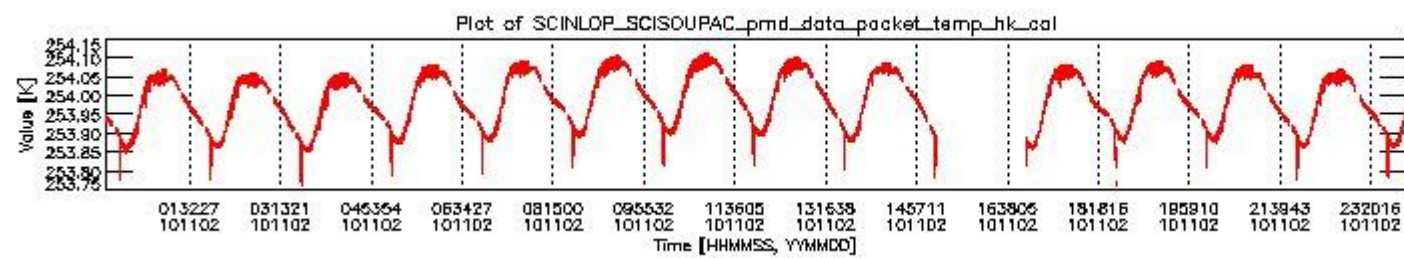
sciamachy_daily_report_level0_KSPT_L0_4504_N_20101102_0.PNG



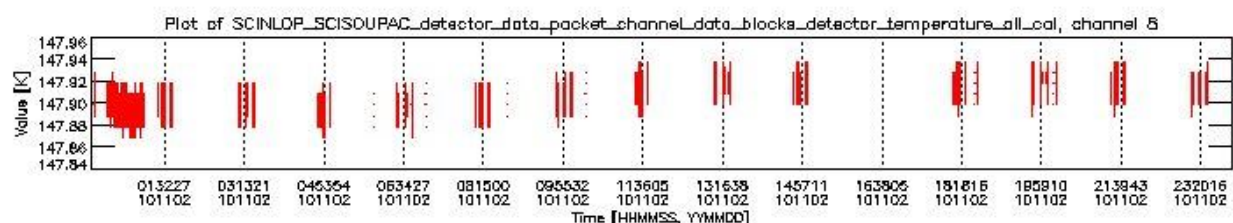
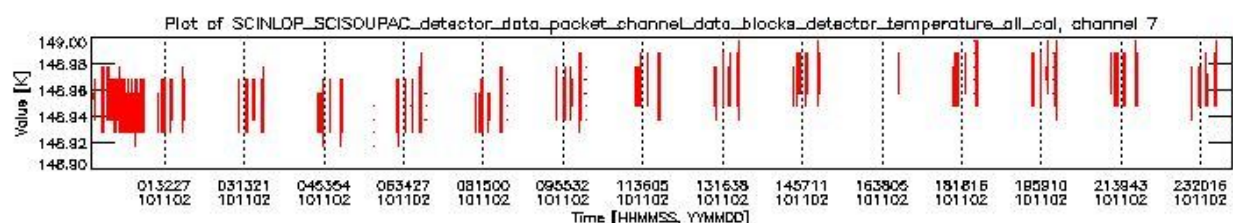
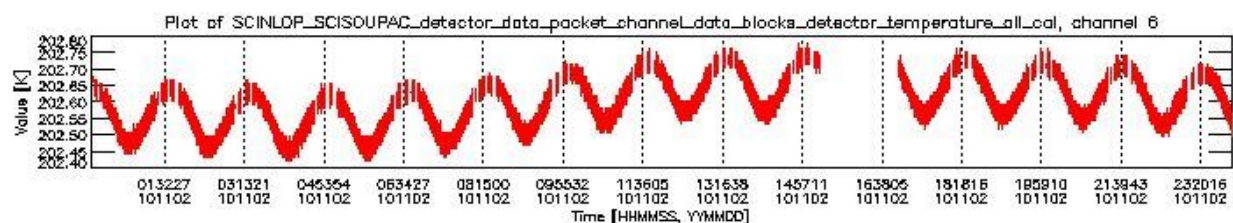
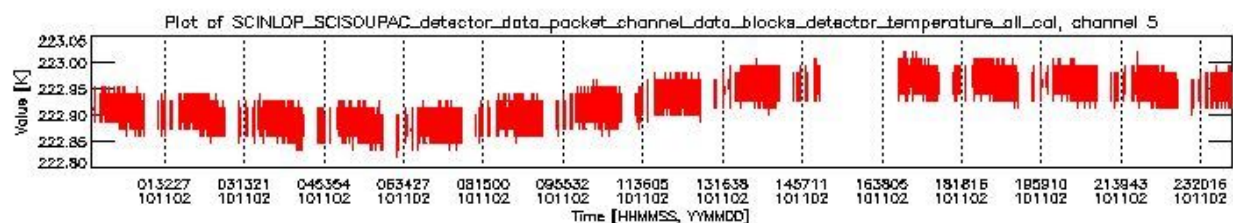
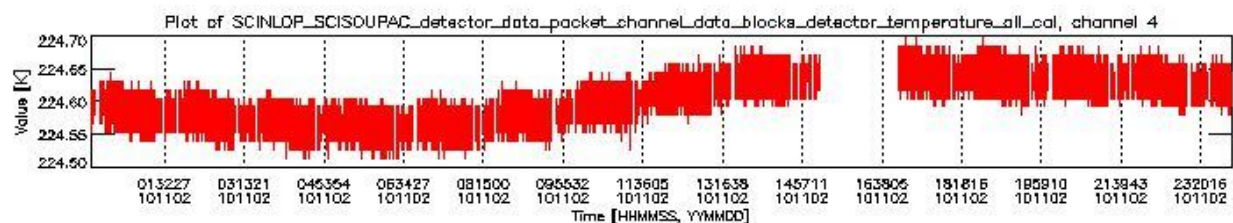
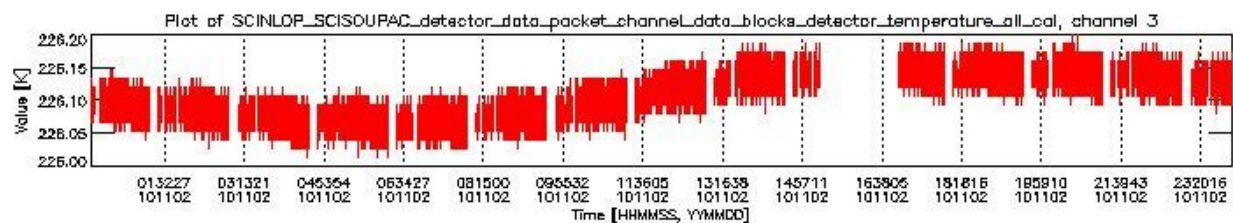
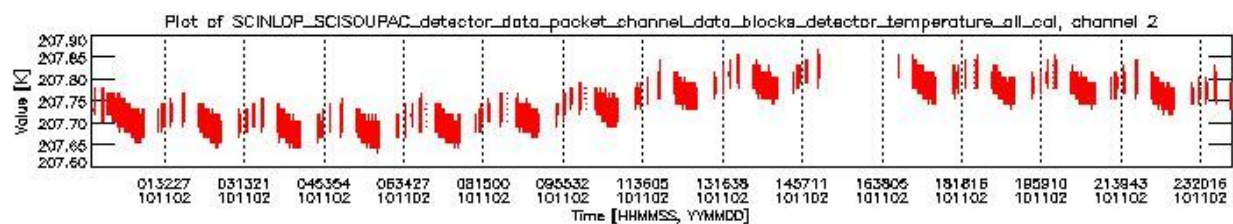
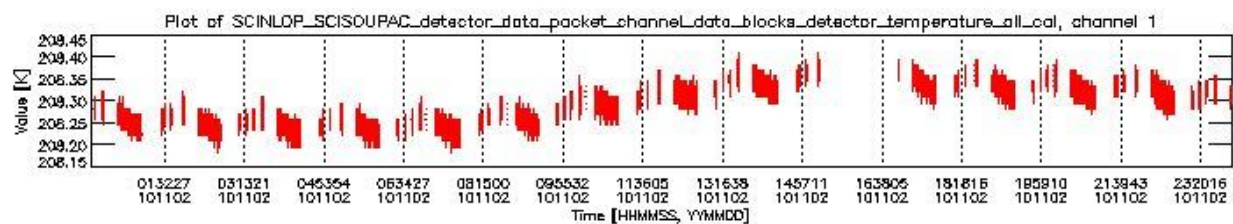
sciamachy_daily_report_level0_KSPT_L0_4504_N_20101102_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20101102_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20101102_3.PNG

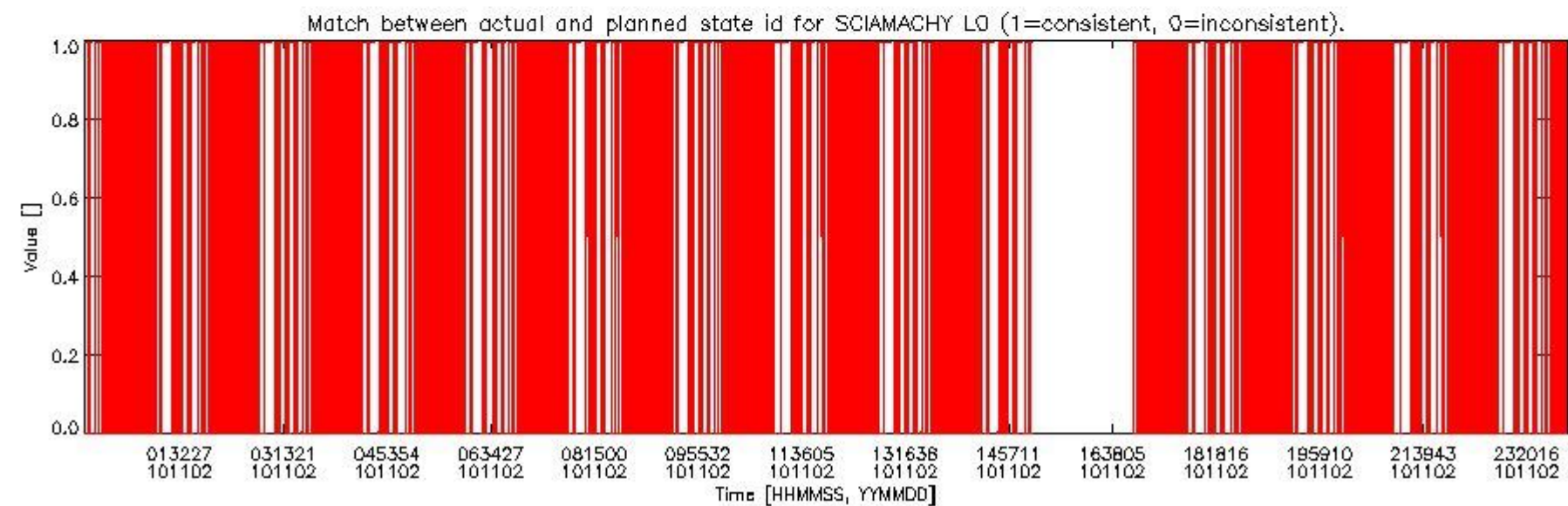
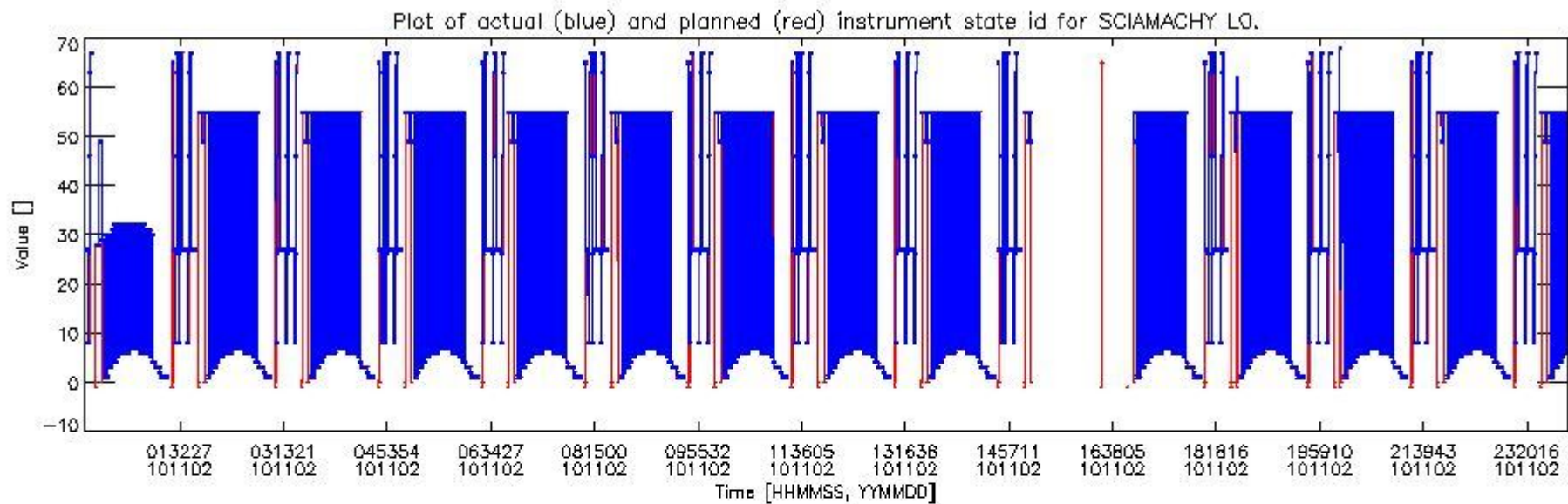


0.3 State monitoring

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: **46068**

#	Actual time	Actual value	Planned time	Planned value
0	02NOV2010 00:03:19.595056	8	02NOV2010 00:03:19.595056	27
1	02NOV2010 00:03:20.220056	8	02NOV2010 00:03:20.220056	27
2	02NOV2010 00:03:20.720056	8	02NOV2010 00:03:20.720056	27
3	02NOV2010 00:03:21.220056	8	02NOV2010 00:03:21.220056	27
4	02NOV2010 00:03:21.720056	8	02NOV2010 00:03:21.720056	27
5	02NOV2010 00:03:22.220056	8	02NOV2010 00:03:22.220056	27
6	02NOV2010 00:03:22.720056	8	02NOV2010 00:03:22.720056	27
7	02NOV2010 00:03:23.220056	8	02NOV2010 00:03:23.220056	27
8	02NOV2010 00:03:23.720056	8	02NOV2010 00:03:23.720056	27
9	02NOV2010 00:03:24.220056	8	02NOV2010 00:03:24.220056	27
10	02NOV2010 00:03:24.595056	8	02NOV2010 00:03:24.595056	27
11	02NOV2010 00:03:24.720056	8	02NOV2010 00:03:24.720056	27
12	02NOV2010 00:03:25.220056	8	02NOV2010 00:03:25.220056	27
13	02NOV2010 00:03:25.720056	8	02NOV2010 00:03:25.720056	27
14	02NOV2010 00:03:26.220056	8	02NOV2010 00:03:26.220056	27
15	02NOV2010 00:03:26.720056	8	02NOV2010 00:03:26.720056	27
16	02NOV2010 00:03:27.220056	8	02NOV2010 00:03:27.220056	27
17	02NOV2010 00:03:27.720056	8	02NOV2010 00:03:27.720056	27
18	02NOV2010 00:03:28.220056	8	02NOV2010 00:03:28.220056	27
19	02NOV2010 00:03:28.720056	8	02NOV2010 00:03:28.720056	27

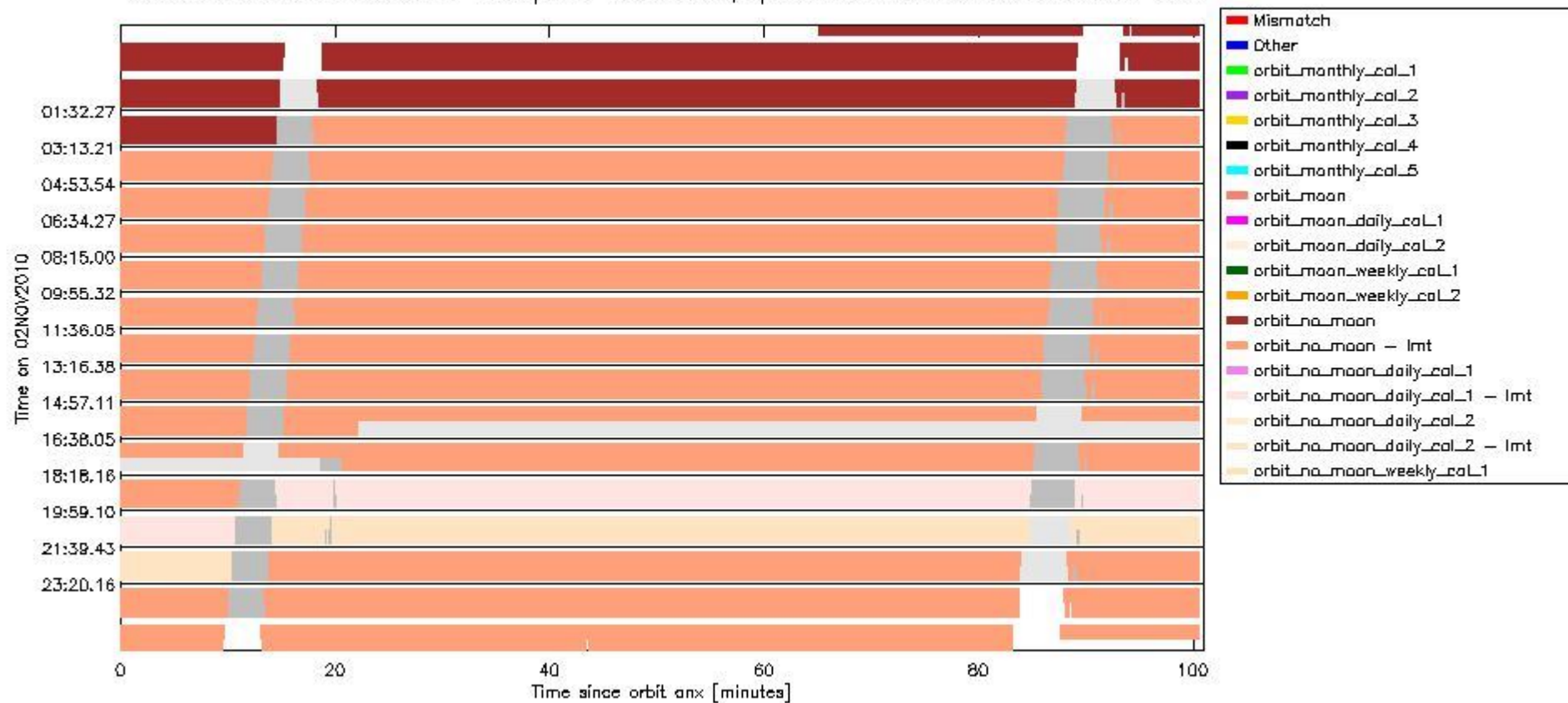


sciamachy_daily_report_level0_KSPT_L0_4504_N_20101102_5.PNG

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 02NOV2010.
 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_KSPT_L0_4504_N_20101102_6.PNG

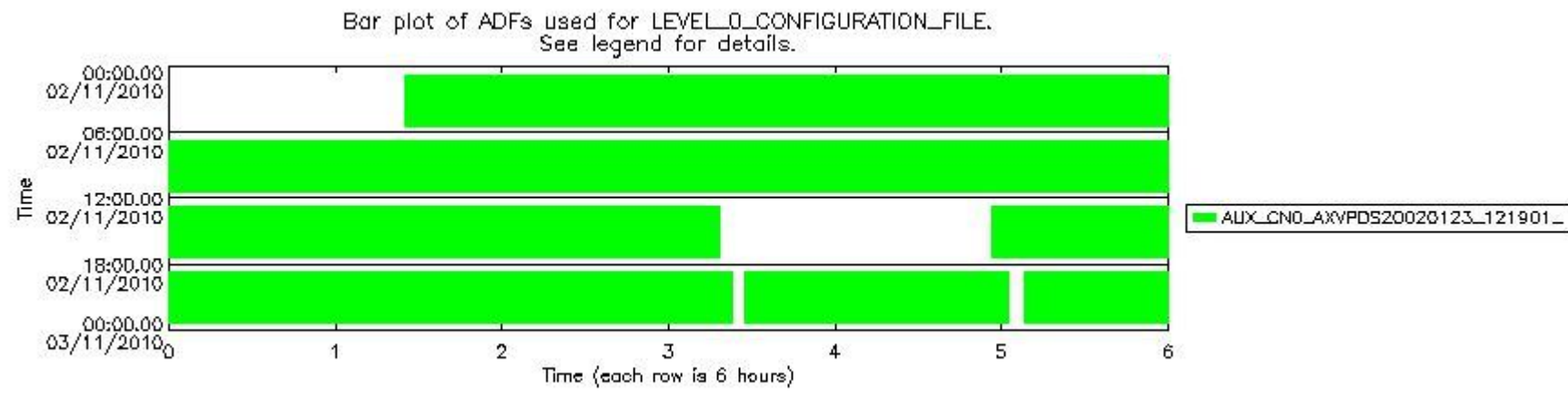
0.4 ADF monitoring

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

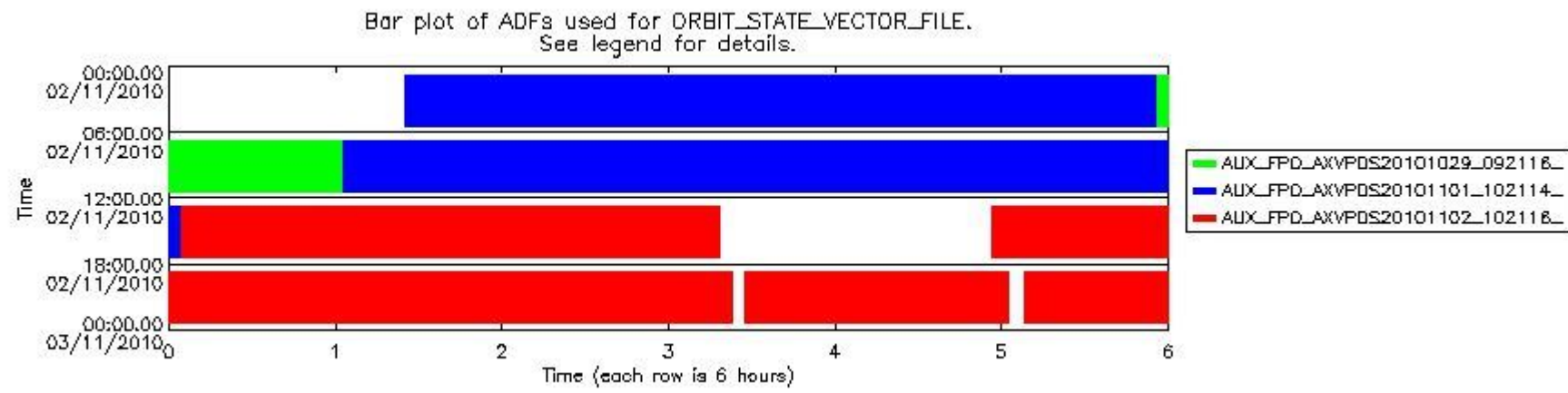
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

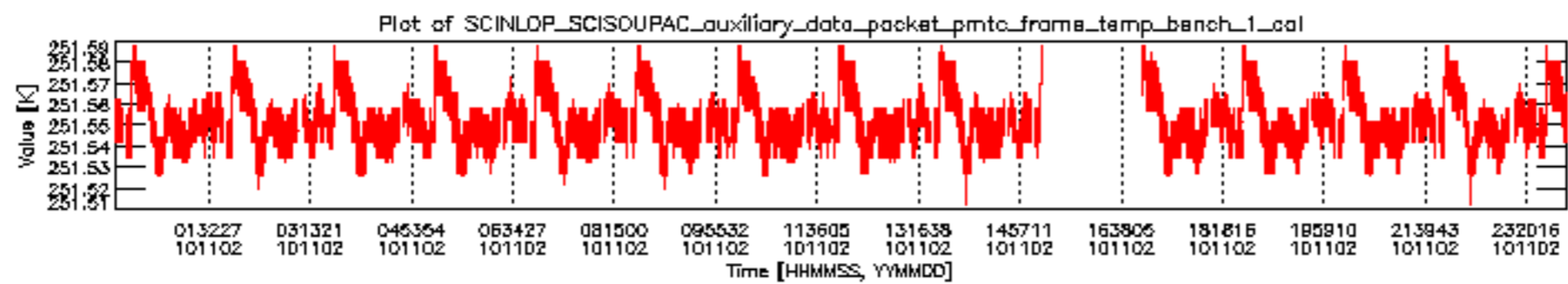
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20101029_092116_20101028_194031_20101107_201423
2	AUX_FPO_AXVPDS20101101_102114_20101031_193039_20101110_200427
3	AUX_FPO_AXVPDS20101102_102116_20101101_185357_20101111_210758

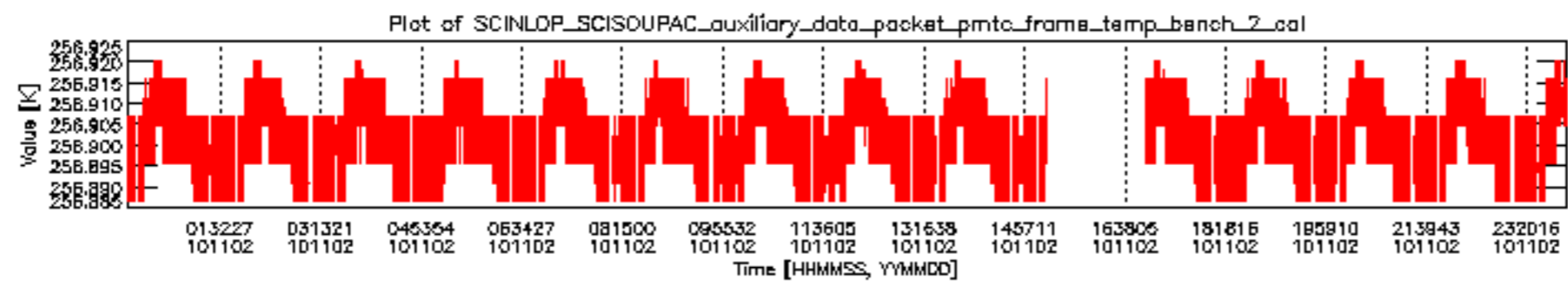


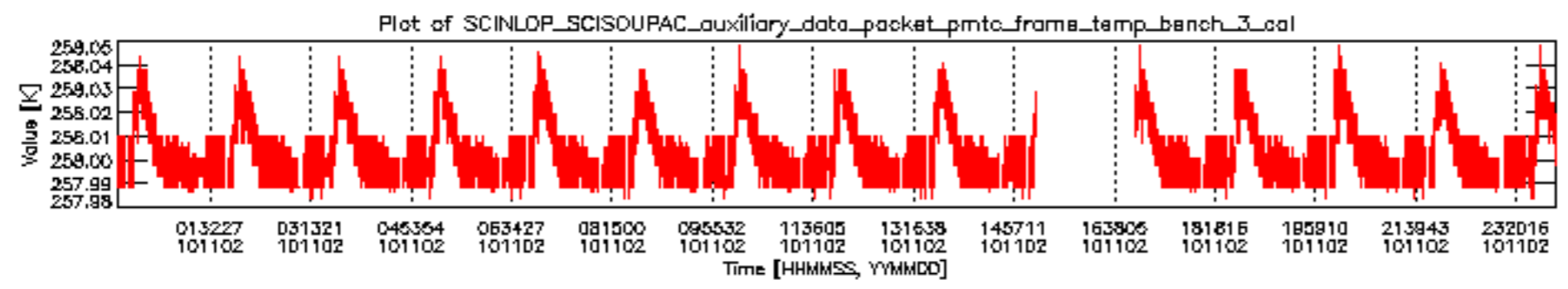
sciamachy_daily_report_level0_KSPT_L0_4504_N_20101102_7.PNG

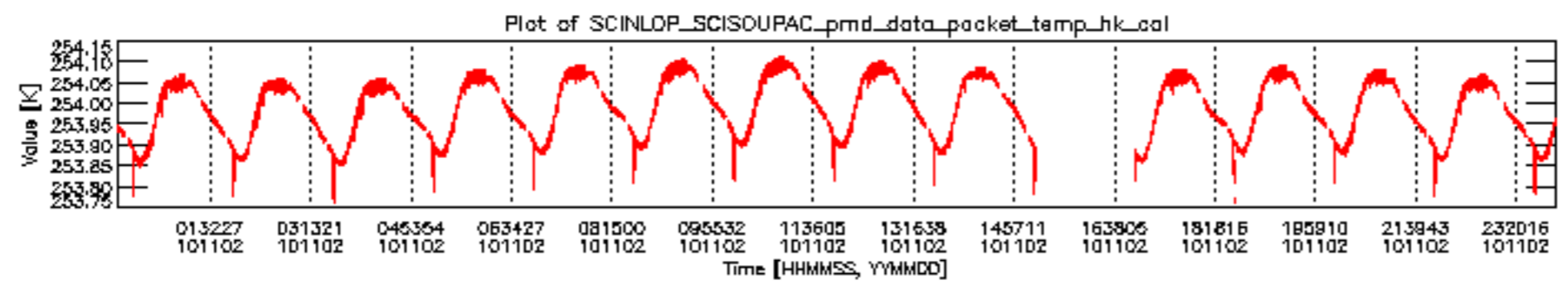


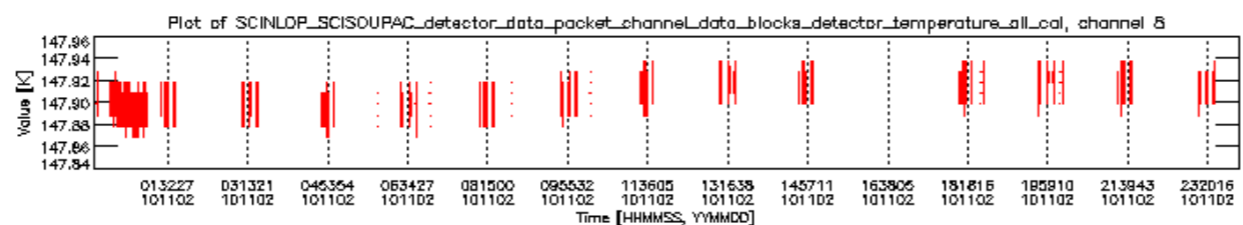
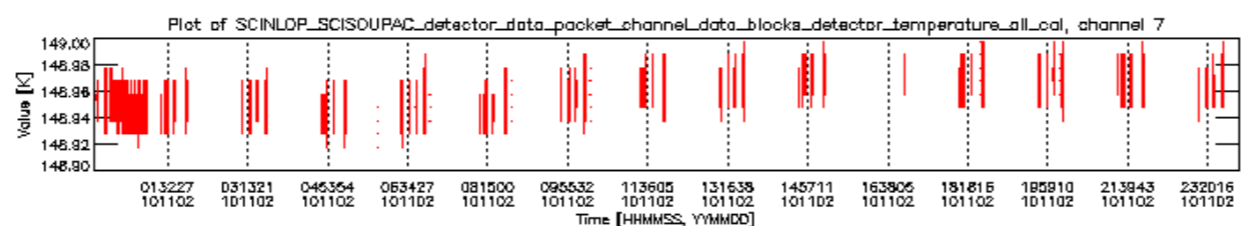
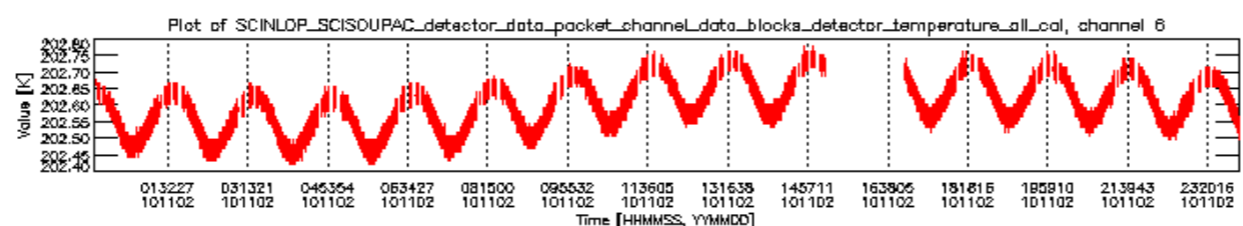
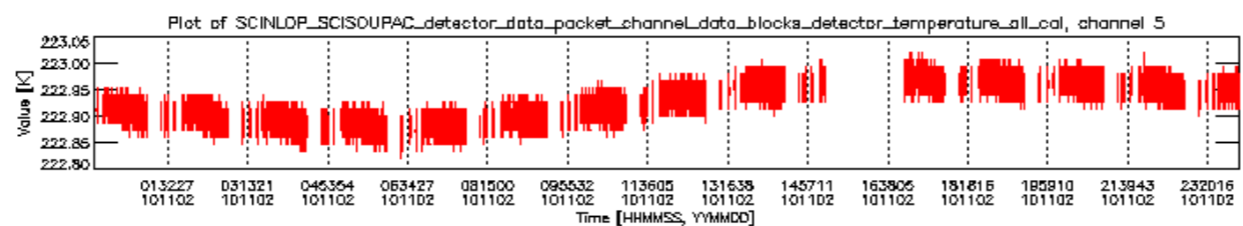
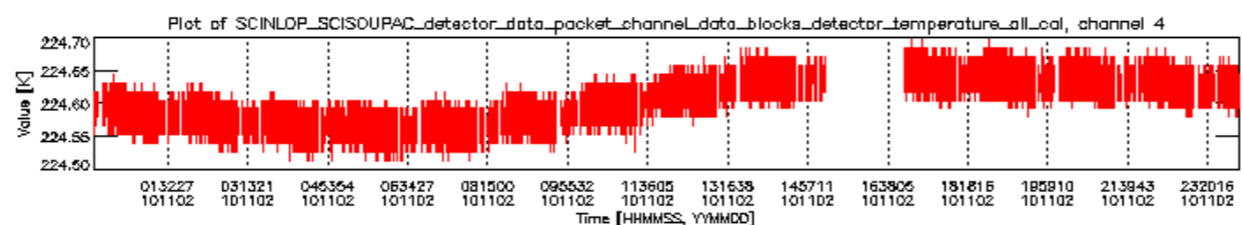
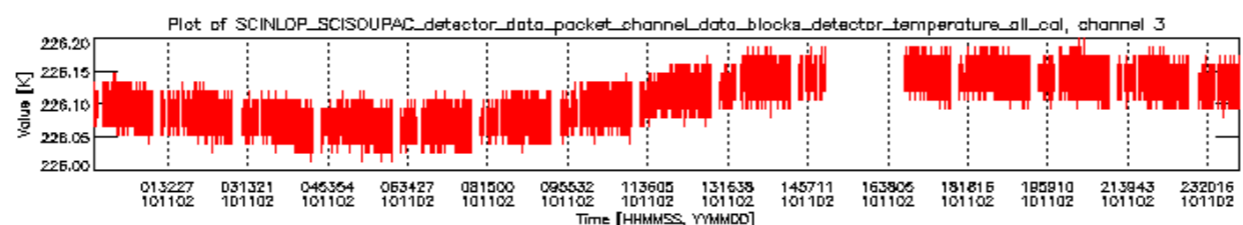
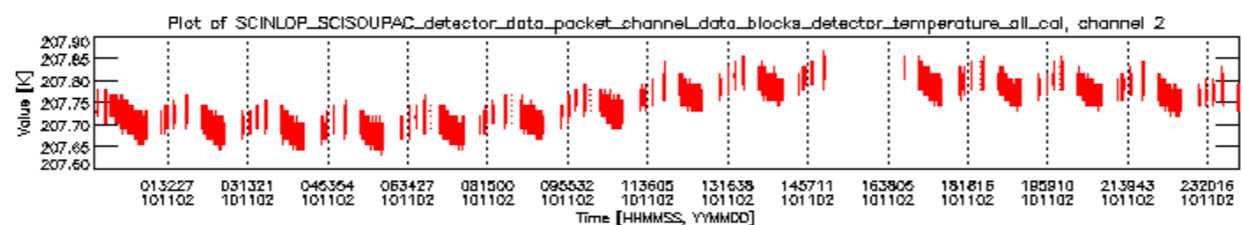
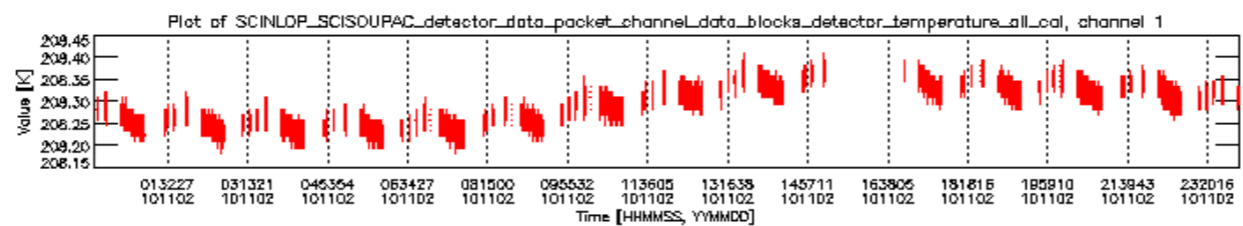
sciamachy_daily_report_level0_KSPT_L0_4504_N_20101102_8.PNG

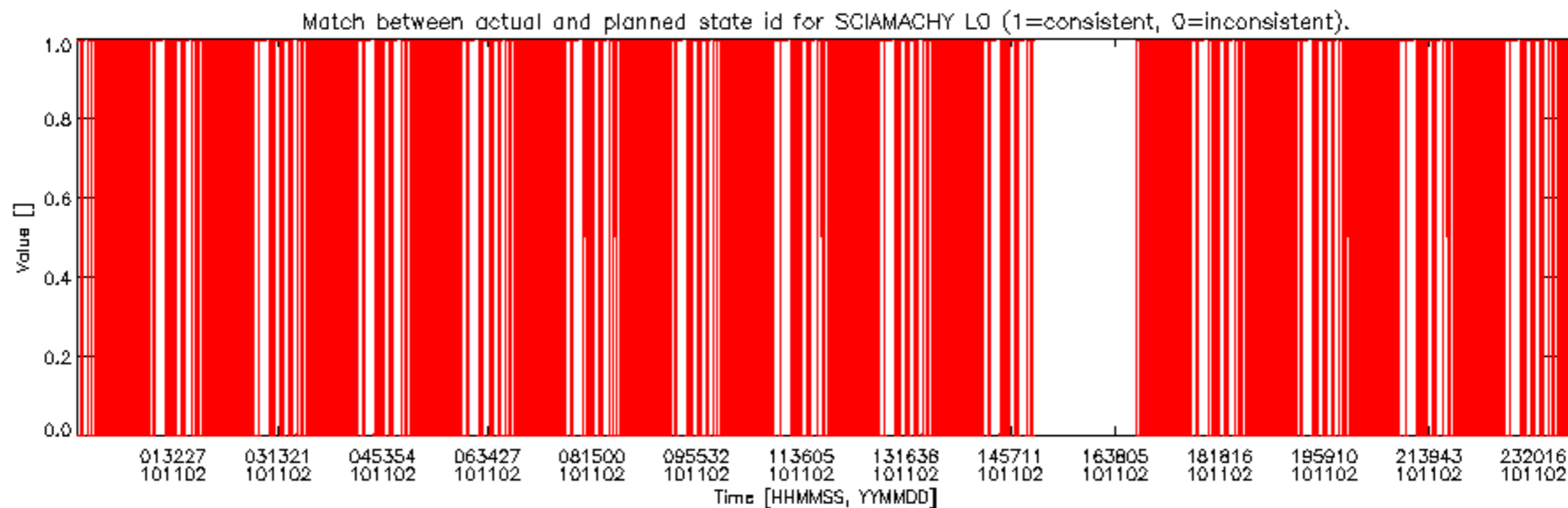
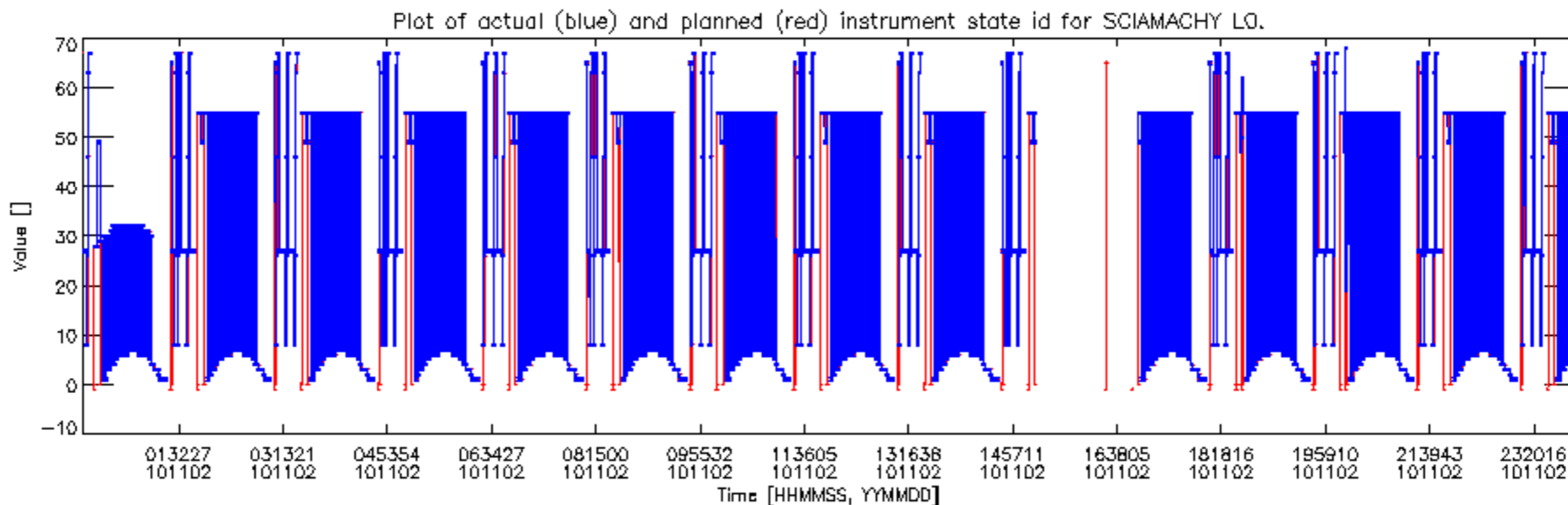












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