

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	v1.3 20060731
Time of report generation	15OCT2007 08:58:47
Data source version	KSPT_L0/4302-N
Processing scope for products	11OCT2007 00:00:00 to 12OCT2007 00:00:00
Start time of first product within scope	10OCT2007 23:24:45
Stop time of last product within scope	12OCT2007 00:33:51
Total number of level 0 products	16
Number of level 0 products with errors	0

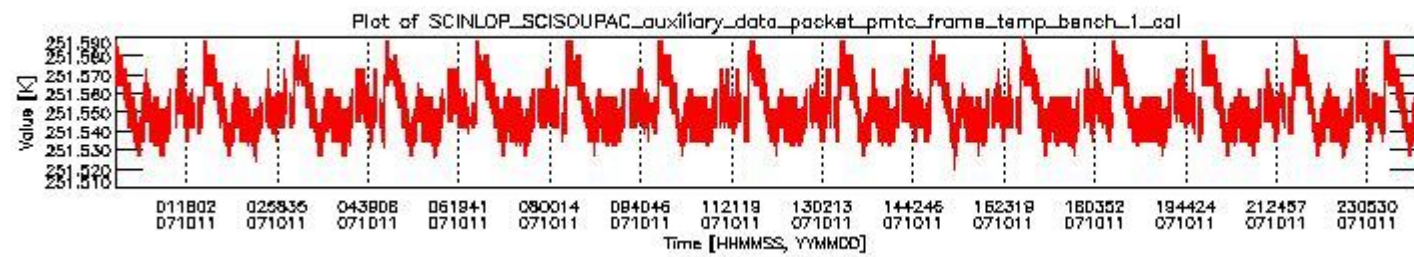
0.1.2 Summary per product

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

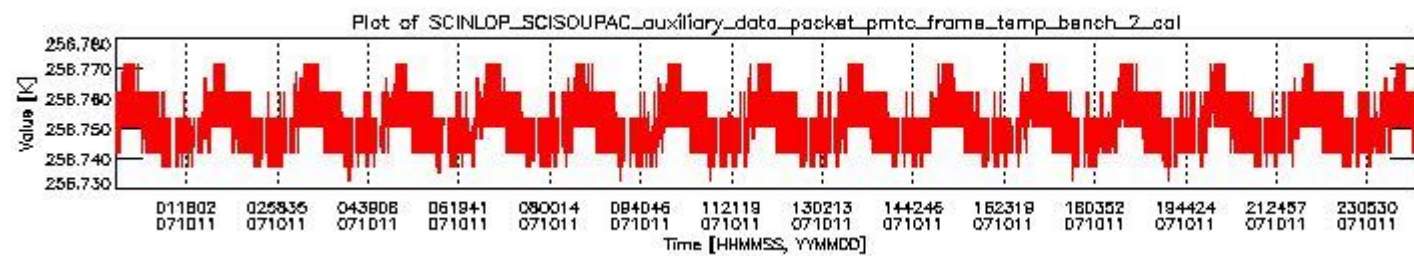
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20071010_232445_000060802062_00230_29342_5346.N1	11OCT2007 23:24:45	11OCT2007 01:06:05	0	0	0	0	0
1	SCI_NL__OPNPDE20071011_010605_000042672062_00231_29343_5347.N1	11OCT2007 01:06:05	11OCT2007 02:17:12	0	0	0	0	0
2	SCI_NL__OPNPDE20071011_021712_000061612062_00232_29344_5348.N1	11OCT2007 02:17:12	11OCT2007 03:59:53	0	0	0	0	0
3	SCI_NL__OPNPDE20071011_035953_000060372062_00233_29345_5349.N1	11OCT2007 03:59:53	11OCT2007 05:40:29	0	0	0	0	0
4	SCI_NL__OPNPDE20071011_053921_000060492062_00234_29346_5350.N1	11OCT2007 05:39:21	11OCT2007 07:20:10	0	0	0	0	0
5	SCI_NL__OPNPDK20071011_072010_000039772062_00235_29347_6314.N1	11OCT2007 07:20:10	11OCT2007 08:26:27	0	0	0	0	0
6	SCI_NL__OPNPDK20071011_082519_000062982062_00236_29348_6315.N1	11OCT2007 08:25:19	11OCT2007 10:10:17	0	0	0	0	0
7	SCI_NL__OPNPDK20071011_100908_000059682062_00237_29349_6316.N1	11OCT2007 10:09:08	11OCT2007 11:48:36	0	0	0	0	0
8	SCI_NL__OPNPDK20071011_114740_000060362062_00238_29350_6317.N1	11OCT2007 11:47:40	11OCT2007 13:28:16	0	0	0	0	0
9	SCI_NL__OPNPDK20071011_132816_000058432062_00239_29351_6318.N1	11OCT2007 13:28:16	11OCT2007 15:05:40	0	0	0	0	0
10	SCI_NL__OPNPDK20071011_150444_000059252062_00240_29352_6319.N1	11OCT2007 15:04:44	11OCT2007 16:43:29	0	0	0	0	0
11	SCI_NL__OPNPDK20071011_164233_000058992062_00241_29353_6320.N1	11OCT2007 16:42:33	11OCT2007 18:20:51	0	0	0	0	0
12	SCI_NL__OPNPDK20071011_182051_000060362062_00242_29354_6321.N1	11OCT2007 18:20:51	11OCT2007 20:01:28	0	0	0	0	0
13	SCI_NL__OPNPDE20071011_200128_000039422062_00243_29355_5351.N1	11OCT2007 20:01:28	11OCT2007 21:07:09	0	0	0	0	0
14	SCI_NL__OPNPDE20071011_210709_000064532062_00243_29355_5352.N1	11OCT2007 21:07:09	11OCT2007 22:54:42	0	0	0	0	0
15	SCI_NL__OPNPDE20071011_225359_000059932062_00244_29356_5353.N1	11OCT2007 22:53:59	12OCT2007 00:33:51	0	0	0	0	0

0.2 Product Quality Indicators

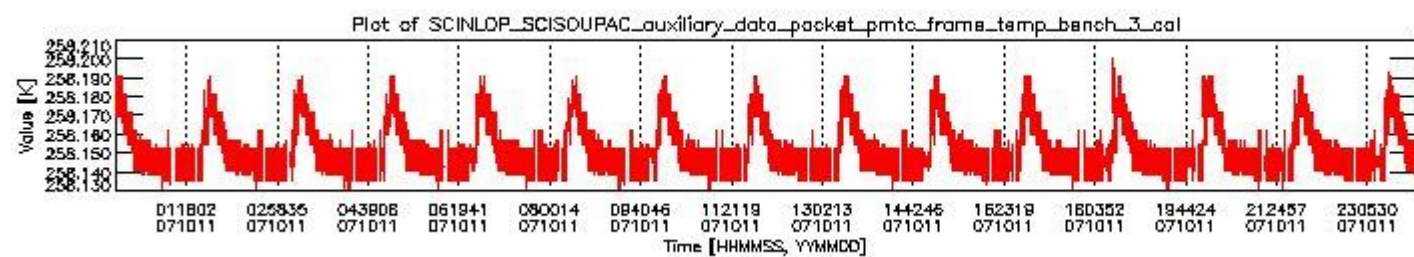
This section shows information about product quality, currently temperatures.



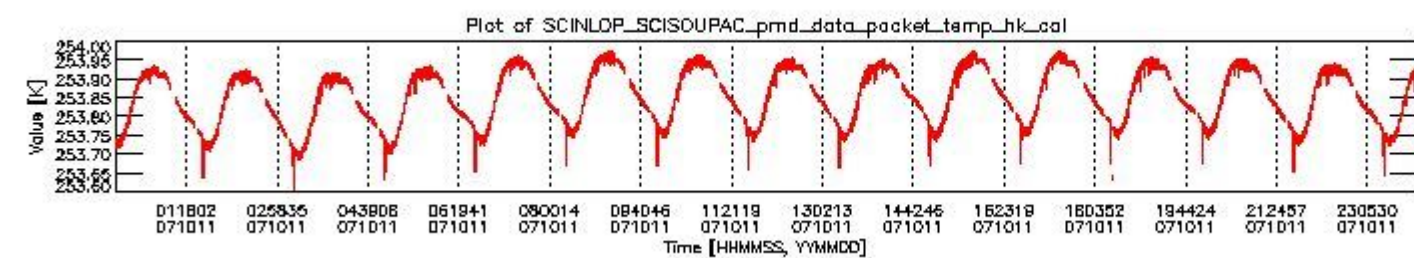
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071011_0.PNG



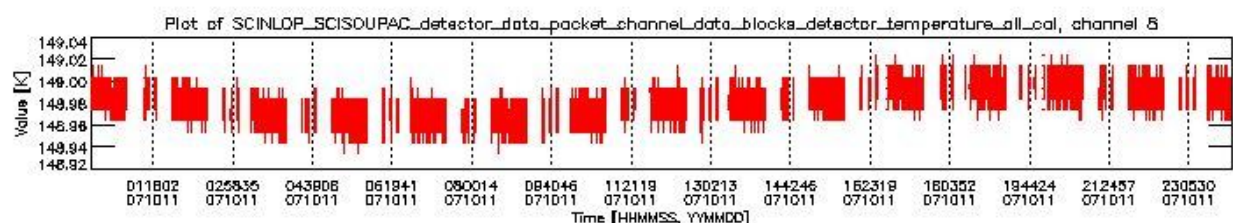
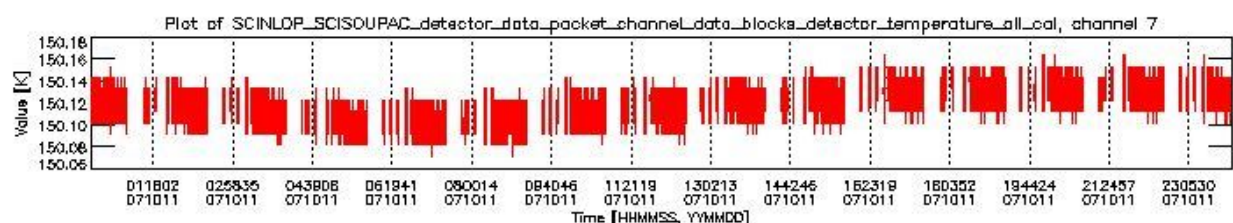
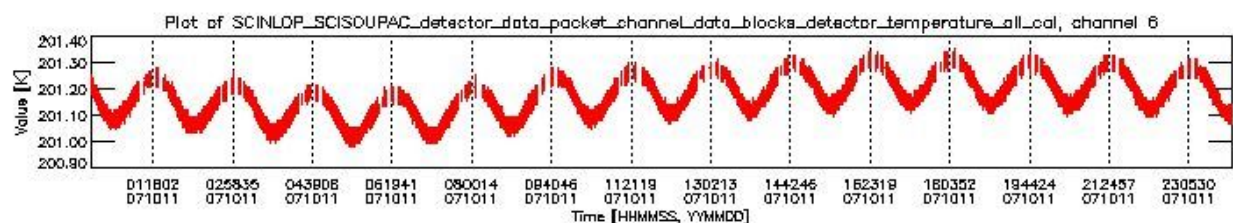
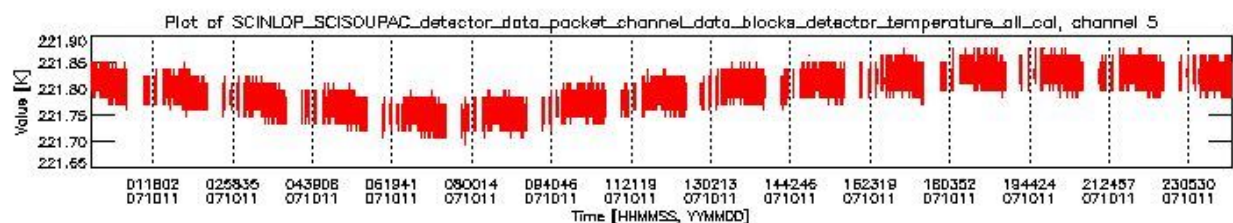
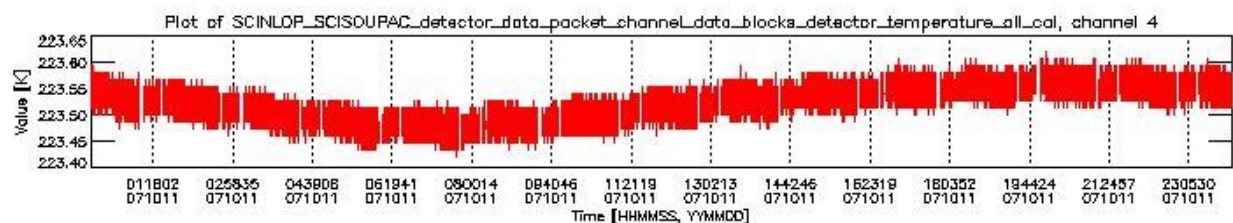
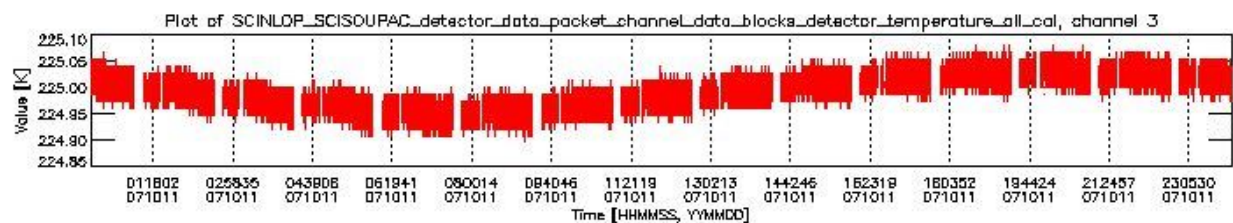
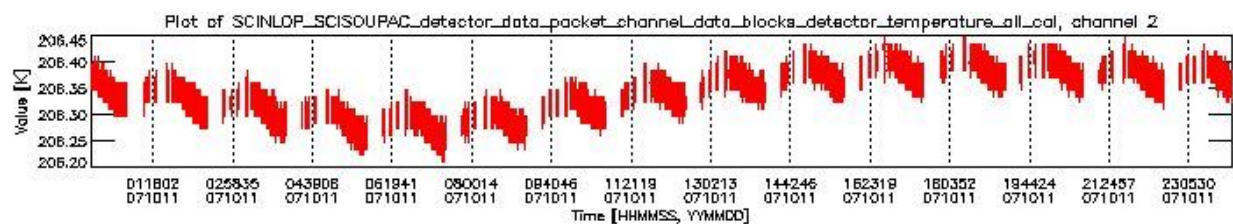
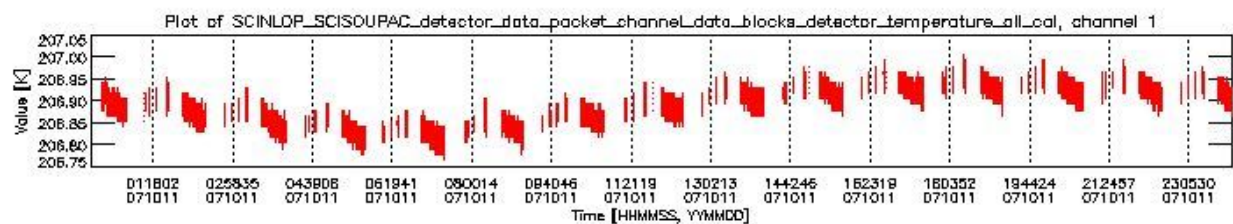
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sciamachy_daily_report_level0_KSPT_L0_4302_N_20071011_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071011_3.PNG

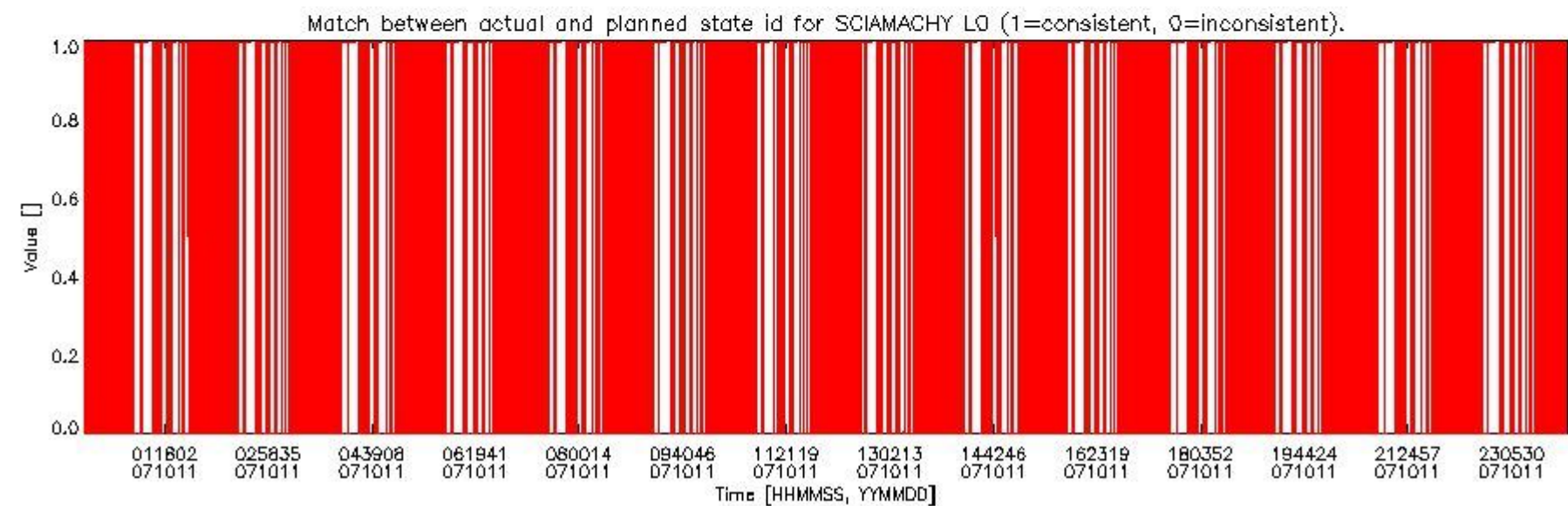
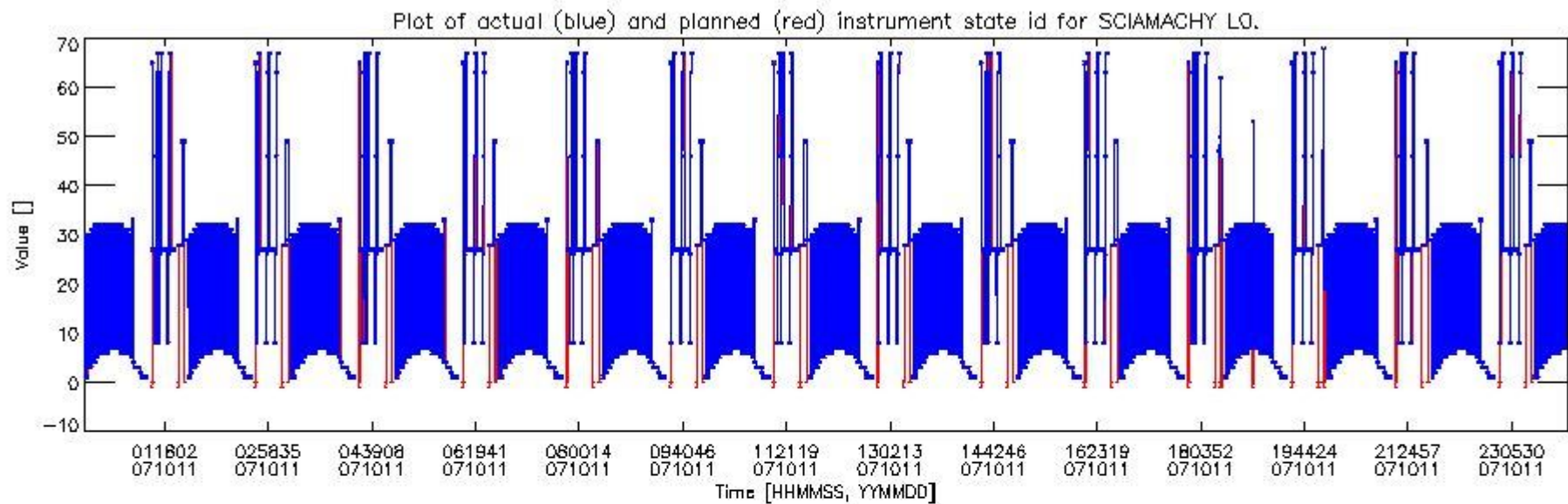


0.3 State monitoring

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: **30867**

#	Actual time	Actual value	Planned time	Planned value
0	11OCT2007 00:00:25.050075	30	11OCT2007 00:00:25.050075	1
1	11OCT2007 00:00:25.675057	30	11OCT2007 00:00:25.675057	1
2	11OCT2007 00:00:26.050070	30	11OCT2007 00:00:26.050070	1
3	11OCT2007 00:00:26.425083	30	11OCT2007 00:00:26.425083	1
4	11OCT2007 00:00:26.987582	30	11OCT2007 00:00:26.987582	1
5	11OCT2007 00:00:27.362555	30	11OCT2007 00:00:27.362555	1
6	11OCT2007 00:00:27.737568	30	11OCT2007 00:00:27.737568	1
7	11OCT2007 00:00:28.112581	30	11OCT2007 00:00:28.112581	1
8	11OCT2007 00:00:28.675081	30	11OCT2007 00:00:28.675081	1
9	11OCT2007 00:00:29.050094	30	11OCT2007 00:00:29.050094	1
10	11OCT2007 00:00:29.425067	30	11OCT2007 00:00:29.425067	1
11	11OCT2007 00:00:29.800080	30	11OCT2007 00:00:29.800080	1
12	11OCT2007 00:00:30.050088	30	11OCT2007 00:00:30.050088	1
13	11OCT2007 00:00:30.362579	30	11OCT2007 00:00:30.362579	1
14	11OCT2007 00:00:30.737592	30	11OCT2007 00:00:30.737592	1
15	11OCT2007 00:00:31.112565	30	11OCT2007 00:00:31.112565	1
16	11OCT2007 00:00:31.487578	30	11OCT2007 00:00:31.487578	1
17	11OCT2007 00:01:20.921146	1	11OCT2007 00:01:20.921146	30
18	11OCT2007 00:01:21.171155	1	11OCT2007 00:01:21.171155	30
19	11OCT2007 00:01:21.296159	1	11OCT2007 00:01:21.296159	30
...

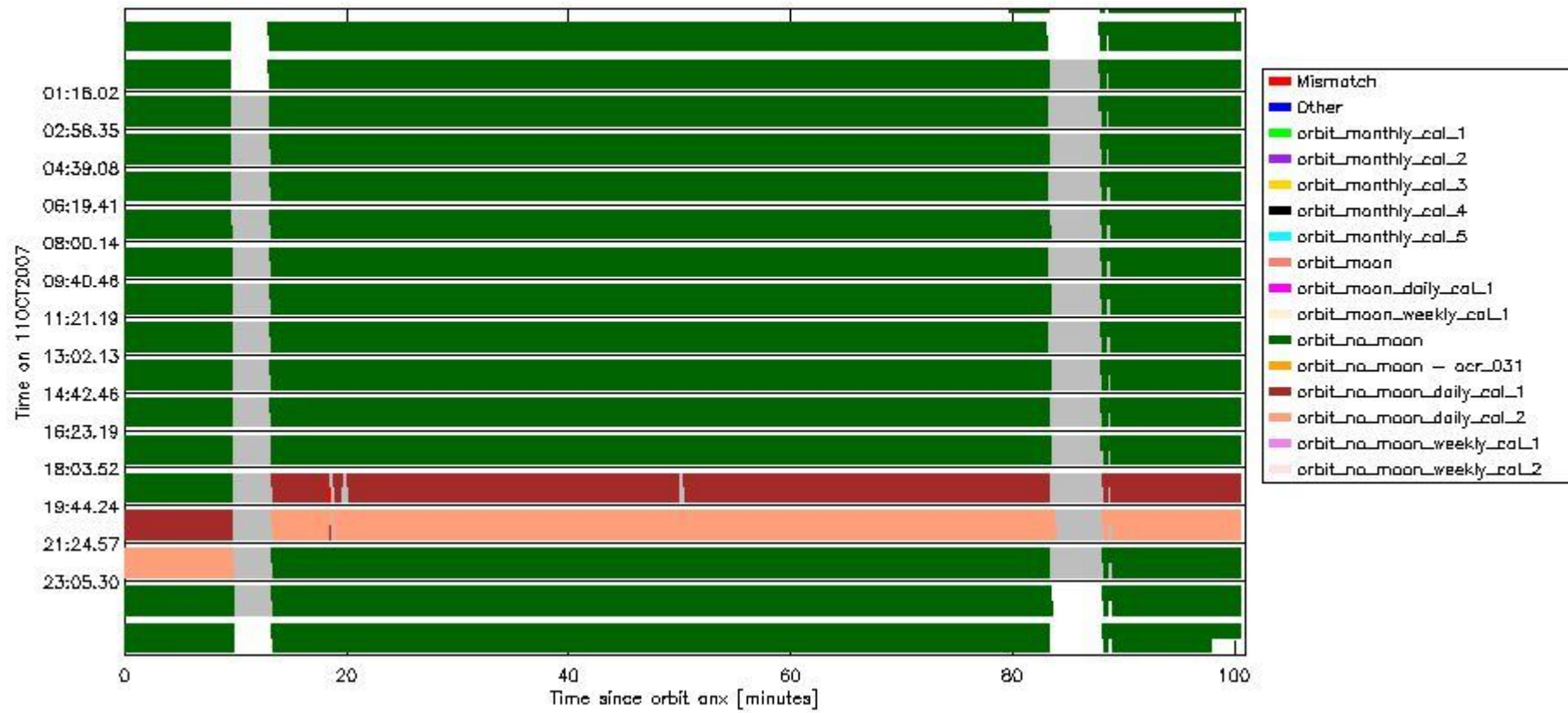


sciamachy_daily_report_level0_KSPT_L0_4302_N_20071011_5.PNG

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 11OCT2007.
 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_4302_N_20071011_6.PNG

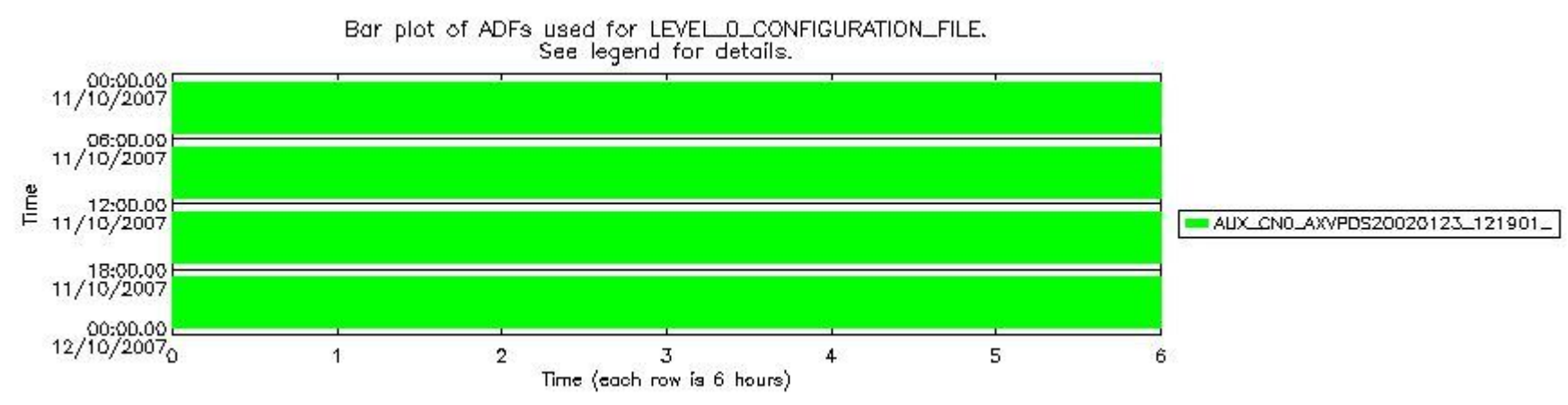
0.4 ADF monitoring

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

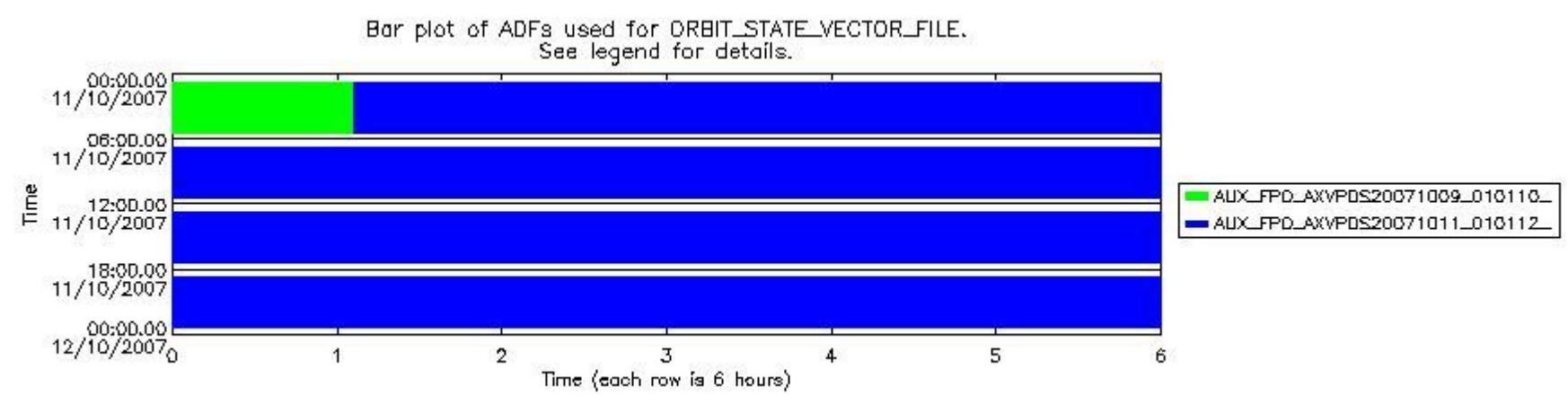
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

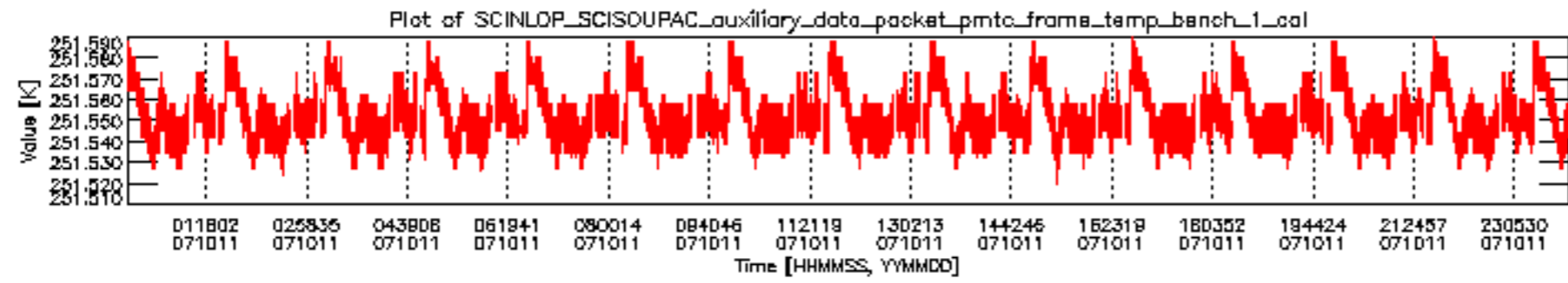
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20071009_010110_20071008_193842_20071018_210456
2	AUX_FPO_AXVPDS20071011_010112_20071010_183528_20071020_200142

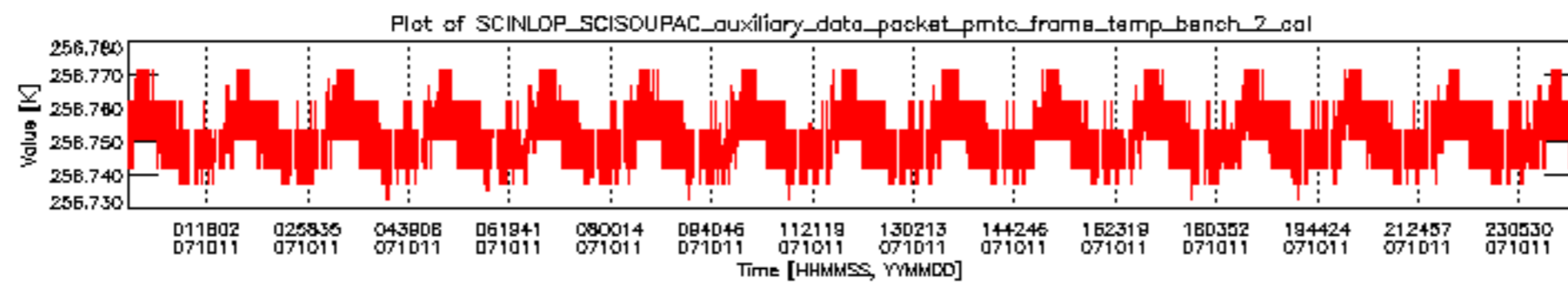


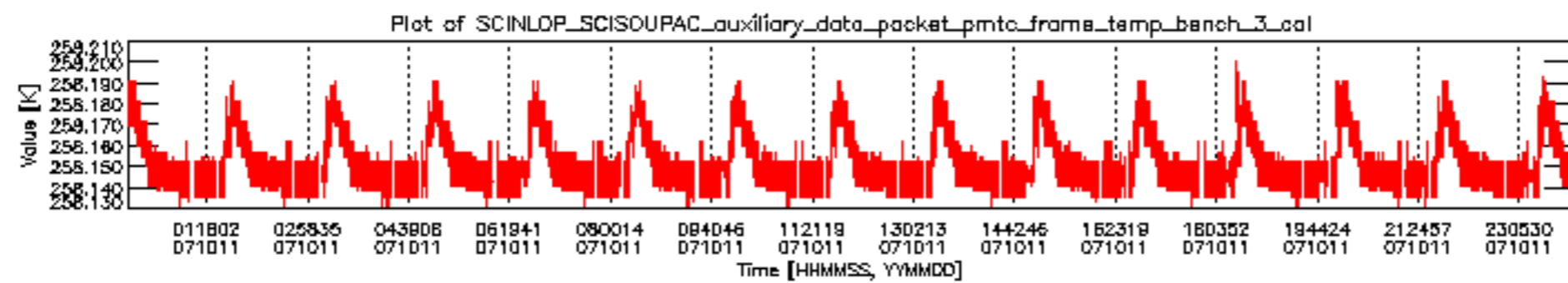
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071011_7.PNG

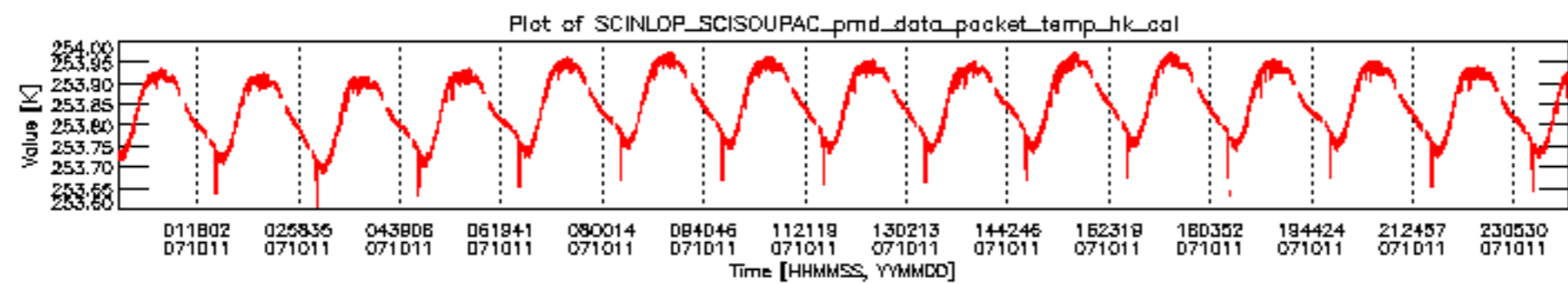


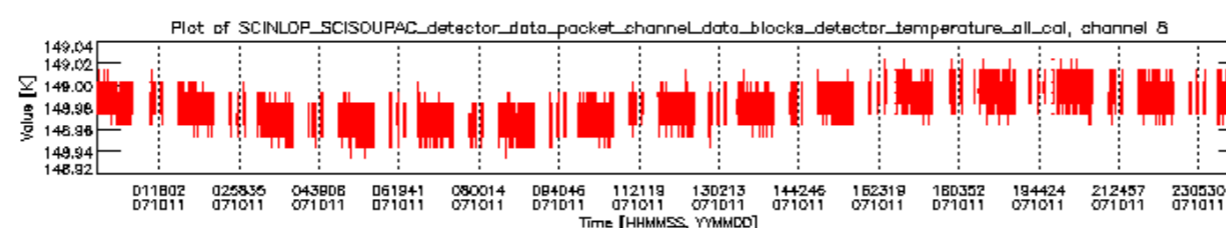
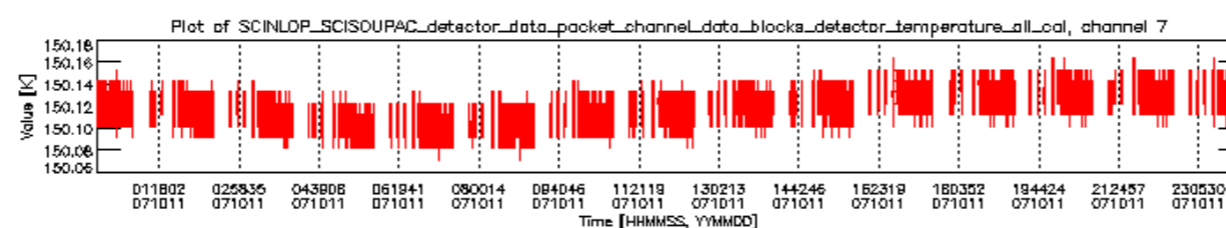
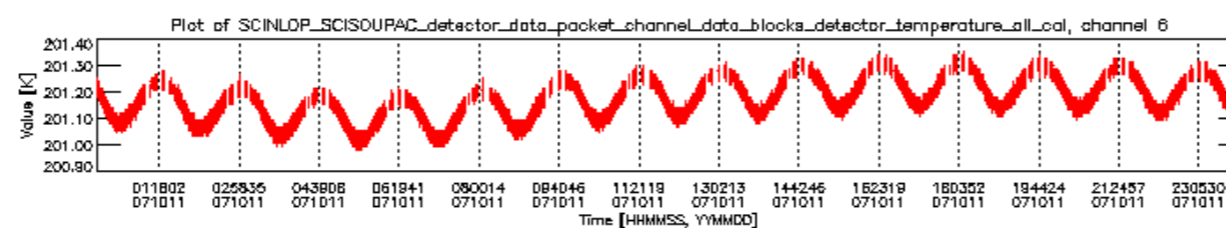
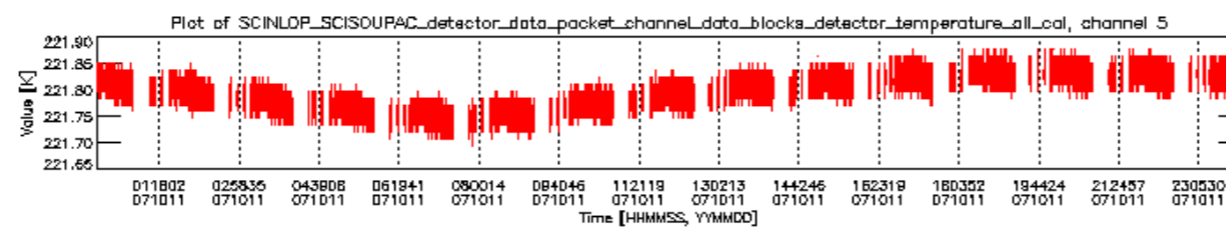
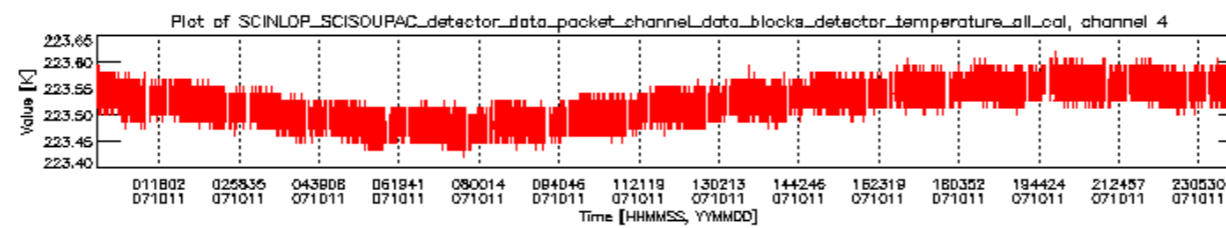
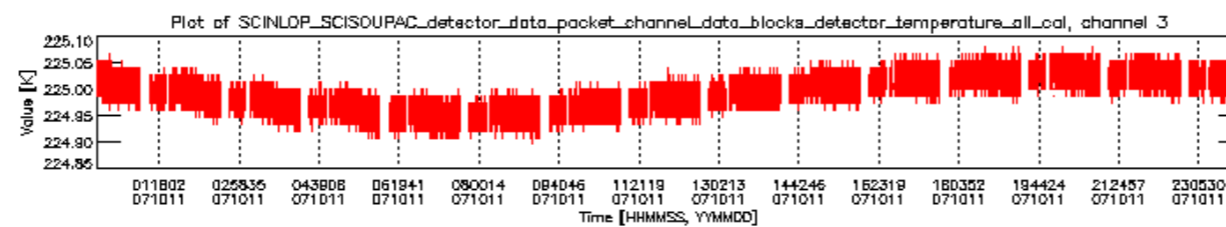
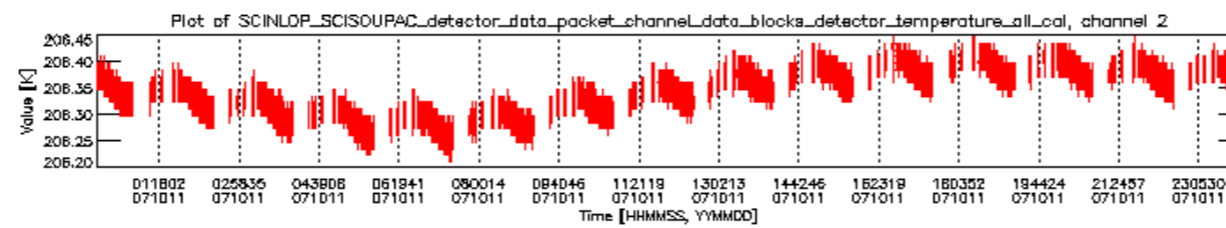
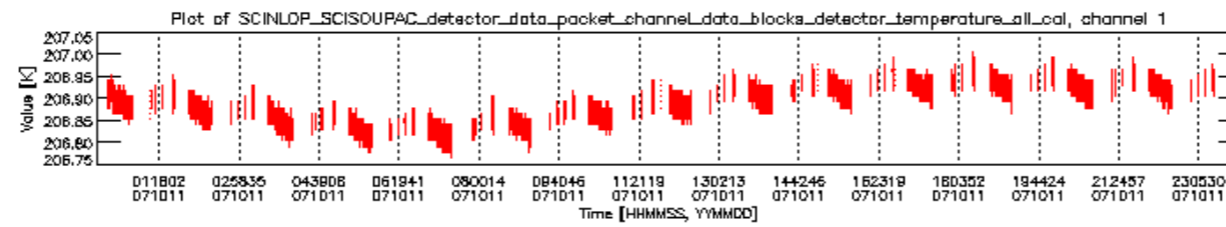
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071011_8.PNG

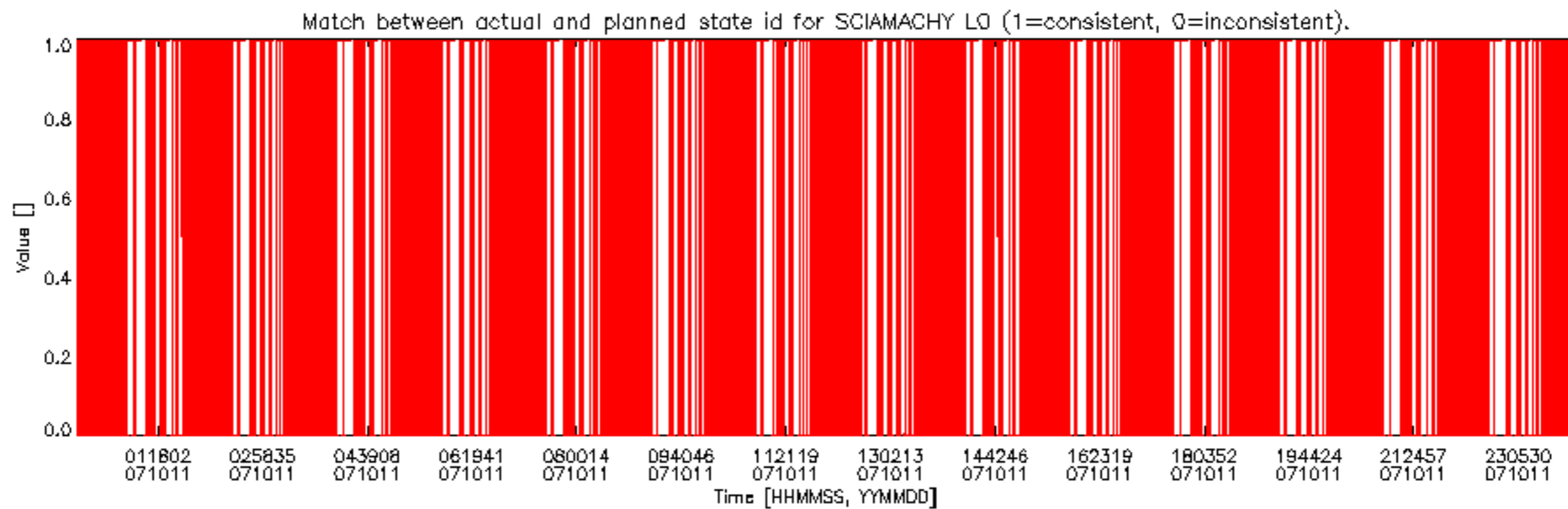
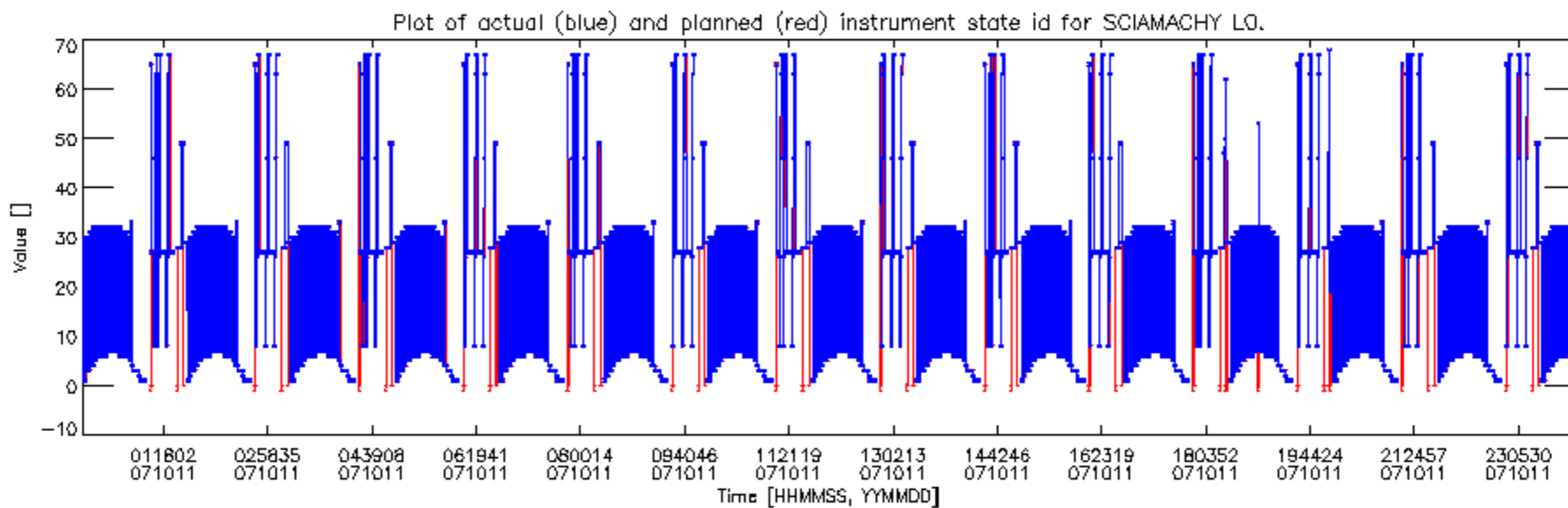












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