

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	06NOV2007 14:30:37
Data source version	KSPT_L0/4302-N
Processing scope for products	02NOV2007 00:00:00 to 03NOV2007 00:00:00
Start time of first product within scope	01NOV2007 23:35:48
Stop time of last product within scope	03NOV2007 00:39:06
Total number of level 0 products	16
Number of level 0 products with errors	0

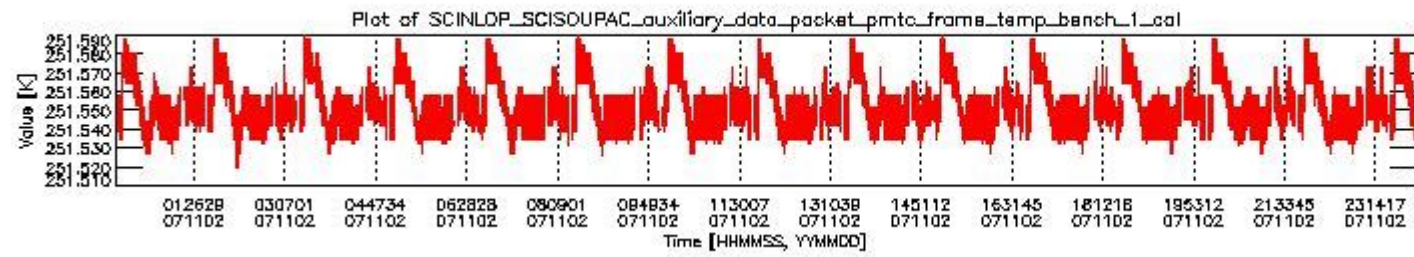
0.1.2 Summary per product

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

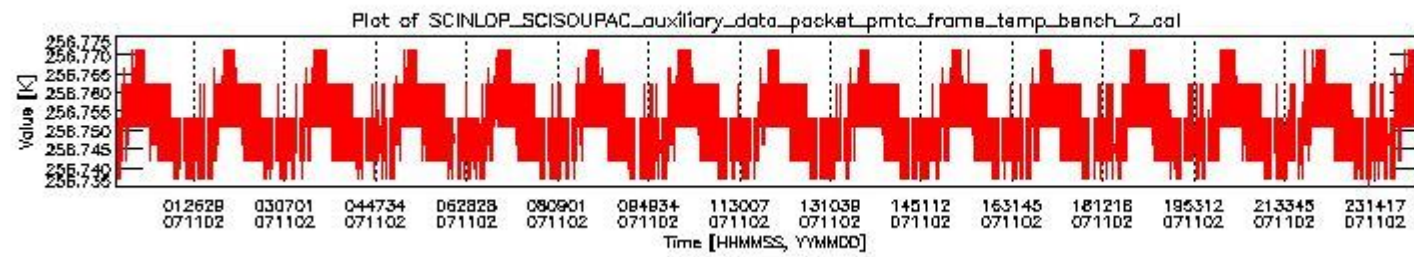
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20071101_233548_000056892063_00044_29657_5492.N1	01NOV2007 23:35:48	02NOV2007 01:10:37	0	0	0	0	0
1	SCI_NL__OPNPDE20071102_011624_000041892063_00045_29658_5493.N1	02NOV2007 01:16:24	02NOV2007 02:26:13	0	0	0	0	0
2	SCI_NL__OPNPDE20071102_022504_000062292063_00046_29659_5494.N1	02NOV2007 02:25:04	02NOV2007 04:08:54	0	0	0	0	0
3	SCI_NL__OPNPDE20071102_040758_000060242063_00047_29660_5495.N1	02NOV2007 04:07:58	02NOV2007 05:48:22	0	0	0	0	0
4	SCI_NL__OPNPDK20071102_054822_000041142063_00048_29661_6519.N1	02NOV2007 05:48:22	02NOV2007 06:56:56	0	0	0	0	0
5	SCI_NL__OPNPDK20071102_065600_000061482063_00049_29662_6520.N1	02NOV2007 06:56:00	02NOV2007 08:38:28	0	0	0	0	0
6	SCI_NL__OPNPDK20071102_083732_000060362063_00050_29663_6521.N1	02NOV2007 08:37:32	02NOV2007 10:18:08	0	0	0	0	0
7	SCI_NL__OPNPDK20071102_101712_000059682063_00051_29664_6522.N1	02NOV2007 10:17:12	02NOV2007 11:56:40	0	0	0	0	0
8	SCI_NL__OPNPDK20071102_115531_000059802063_00052_29665_6523.N1	02NOV2007 11:55:31	02NOV2007 13:35:12	0	0	0	0	0
9	SCI_NL__OPNPDK20071102_133512_000058692063_00053_29666_6524.N1	02NOV2007 13:35:12	02NOV2007 15:13:01	0	0	0	0	0
10	SCI_NL__OPNPDK20071102_151043_000060362063_00054_29667_6525.N1	02NOV2007 15:10:43	02NOV2007 16:51:19	0	0	0	0	0
11	SCI_NL__OPNPDK20071102_165119_000055532063_00055_29668_6526.N1	02NOV2007 16:51:19	02NOV2007 18:23:52	0	0	0	0	0
12	SCI_NL__OPNPDK20071102_182811_000057382063_00056_29669_6527.N1	02NOV2007 18:28:11	02NOV2007 20:03:49	0	0	0	0	0
13	SCI_NL__OPNPDE20071102_200847_000041662063_00057_29670_5496.N1	02NOV2007 20:08:47	02NOV2007 21:18:14	0	0	0	0	0
14	SCI_NL__OPNPDE20071102_212341_000056772063_00057_29670_5497.N1	02NOV2007 21:23:41	02NOV2007 22:58:17	0	0	0	0	0
15	SCI_NL__OPNPDE20071102_230417_000056892063_00058_29671_5498.N1	02NOV2007 23:04:17	03NOV2007 00:39:06	0	0	0	0	0

0.2 Product Quality Indicators

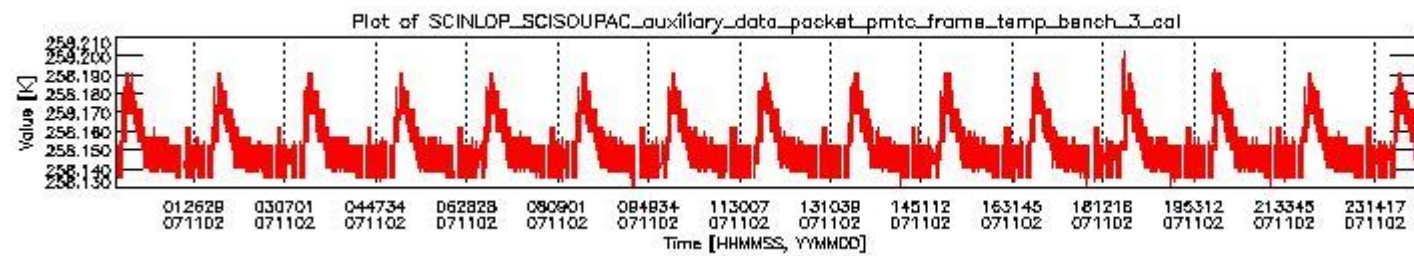
This section shows information about product quality, currently temperatures.



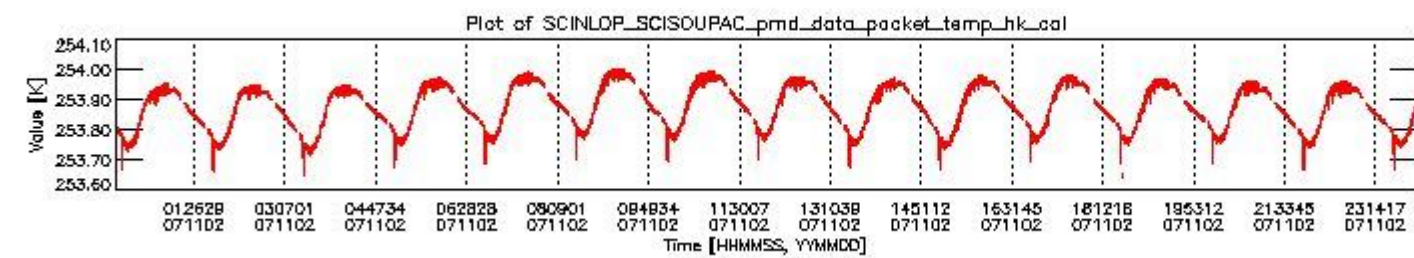
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071102_0.PNG



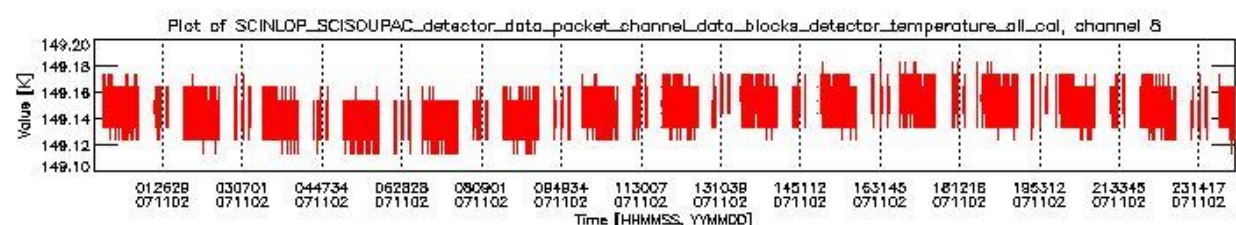
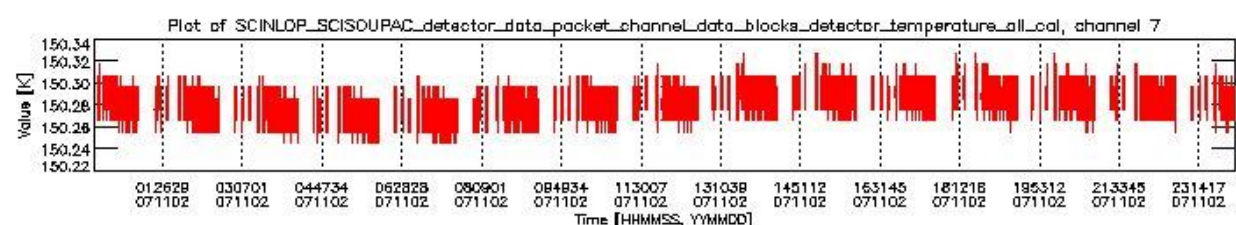
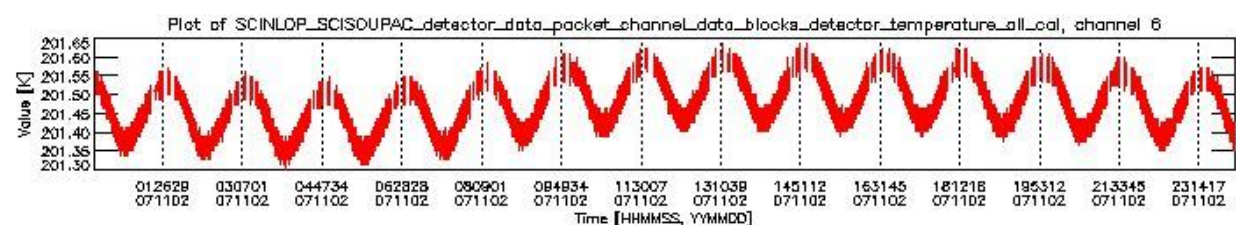
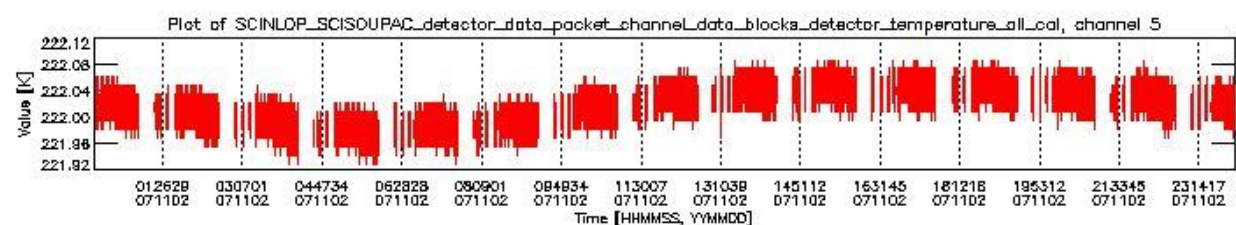
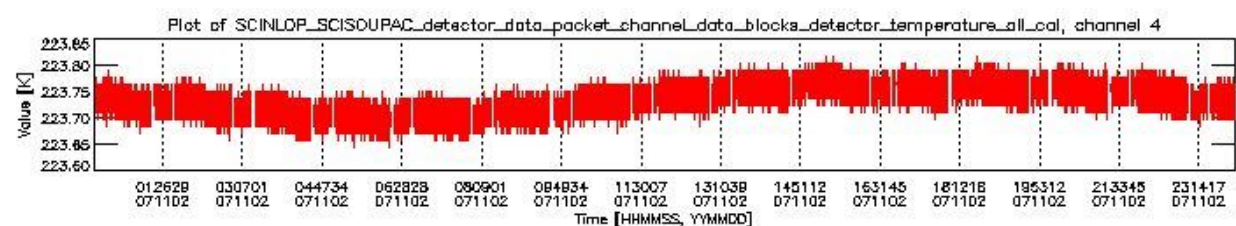
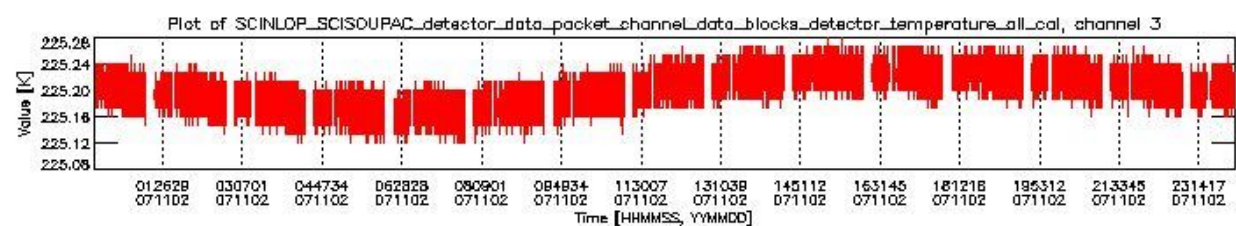
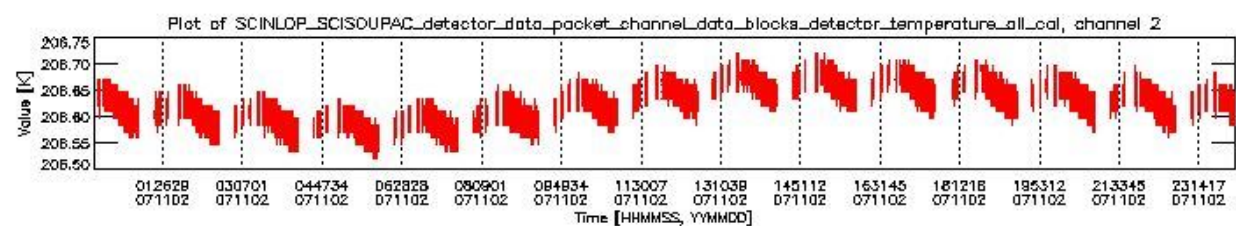
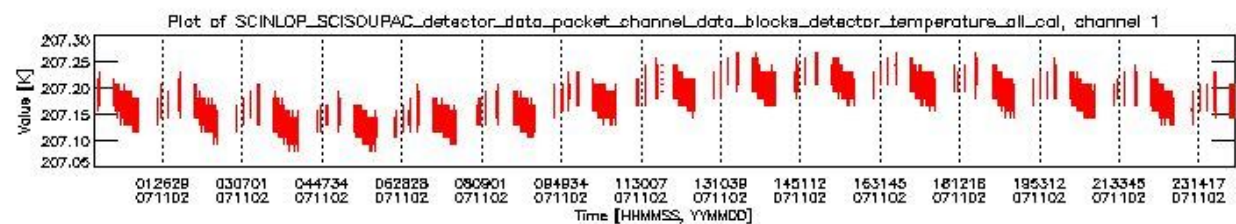
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sciamachy_daily_report_level0_KSPT_L0_4302_N_20071102_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071102_3.PNG

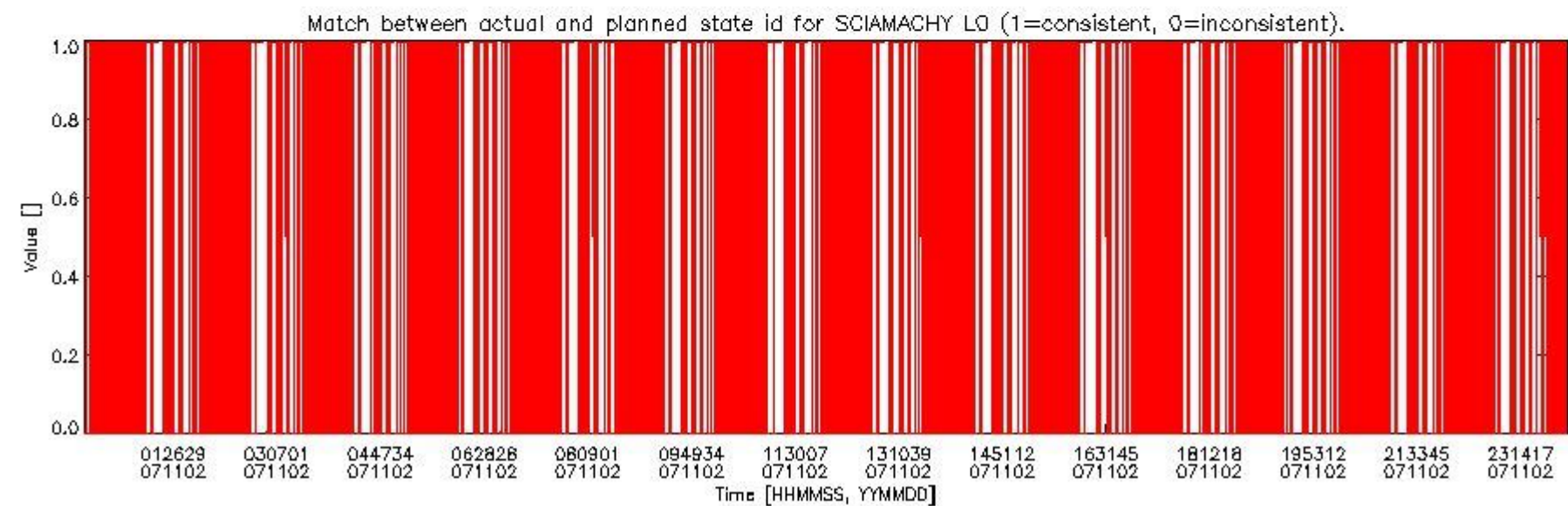
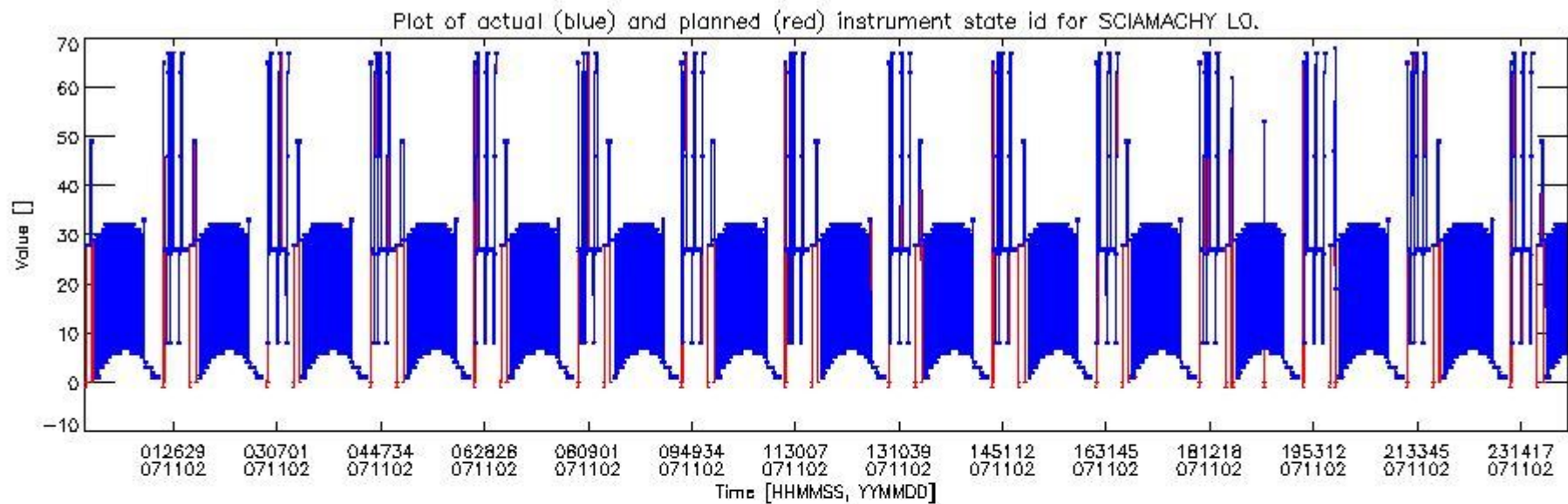


0.3 State monitoring

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: **33322**

#	Actual time	Actual value	Planned time	Planned value
0	02NOV2007 00:01:31.752590	28	02NOV2007 00:01:31.752590	0
1	02NOV2007 00:01:32.377612	28	02NOV2007 00:01:32.377612	0
2	02NOV2007 00:01:32.752585	28	02NOV2007 00:01:32.752585	0
3	02NOV2007 00:01:33.127598	28	02NOV2007 00:01:33.127598	0
4	02NOV2007 00:01:33.690097	28	02NOV2007 00:01:33.690097	0
5	02NOV2007 00:01:34.065110	28	02NOV2007 00:01:34.065110	0
6	02NOV2007 00:01:34.440083	28	02NOV2007 00:01:34.440083	0
7	02NOV2007 00:01:34.815096	28	02NOV2007 00:01:34.815096	0
8	02NOV2007 00:01:35.377596	28	02NOV2007 00:01:35.377596	0
9	02NOV2007 00:01:35.752609	28	02NOV2007 00:01:35.752609	0
10	02NOV2007 00:01:36.127582	28	02NOV2007 00:01:36.127582	0
11	02NOV2007 00:01:36.502595	28	02NOV2007 00:01:36.502595	0
12	02NOV2007 00:01:36.752603	28	02NOV2007 00:01:36.752603	0
13	02NOV2007 00:01:37.065094	28	02NOV2007 00:01:37.065094	0
14	02NOV2007 00:01:37.440107	28	02NOV2007 00:01:37.440107	0
15	02NOV2007 00:01:37.815080	28	02NOV2007 00:01:37.815080	0
16	02NOV2007 00:01:38.190093	28	02NOV2007 00:01:38.190093	0
17	02NOV2007 00:01:38.752593	28	02NOV2007 00:01:38.752593	0
18	02NOV2007 00:05:16.268210	49	02NOV2007 00:05:16.268210	28
19	02NOV2007 00:05:16.455697	49	02NOV2007 00:05:16.455697	28
...

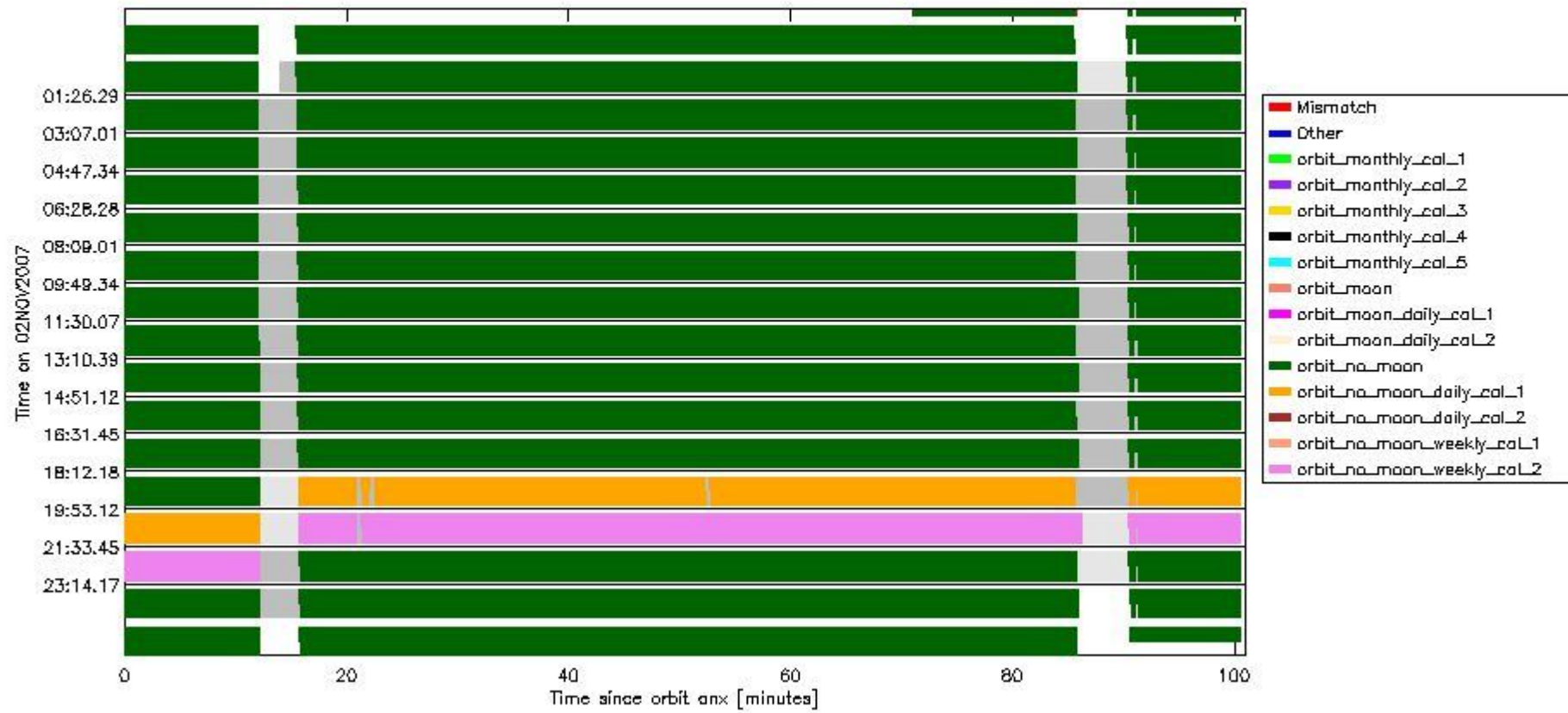


sciamachy_daily_report_level0_KSPT_L0_4302_N_20071102_5.PNG

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 02NOV2007.
 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_20071102_6.PNG

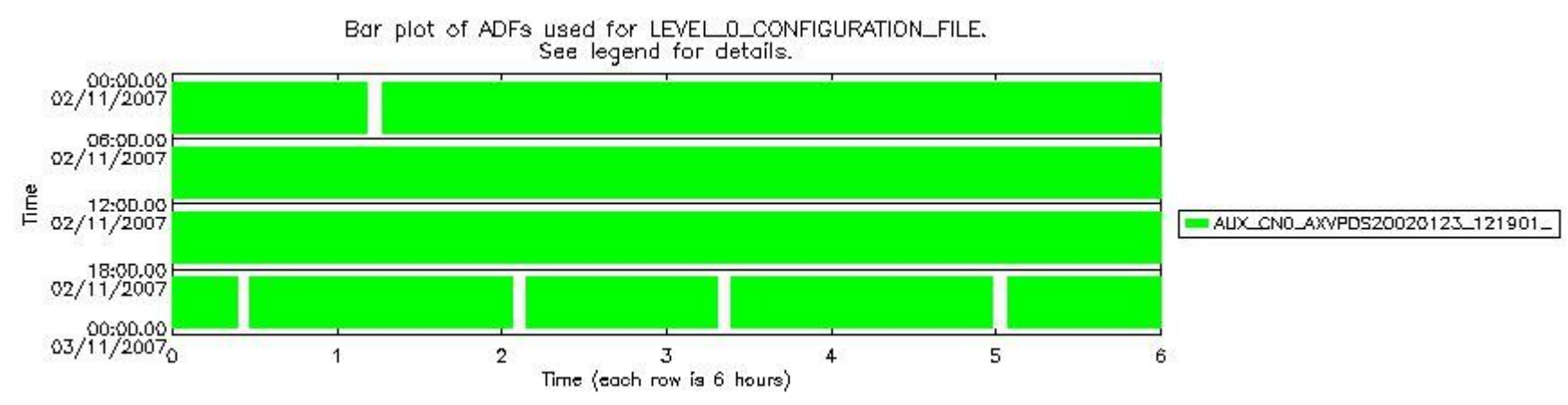
0.4 ADF monitoring

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

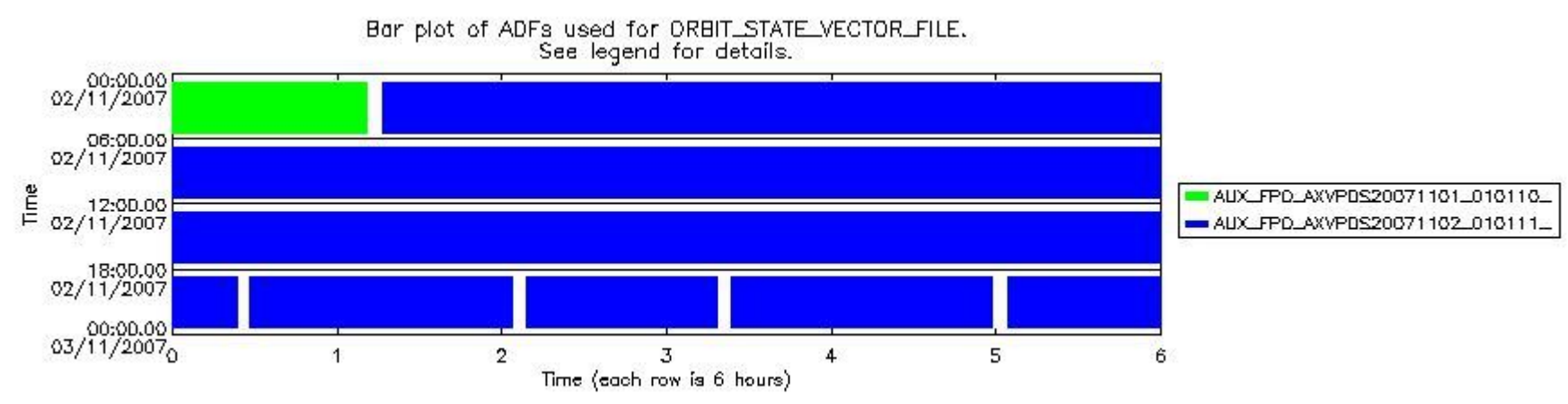
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

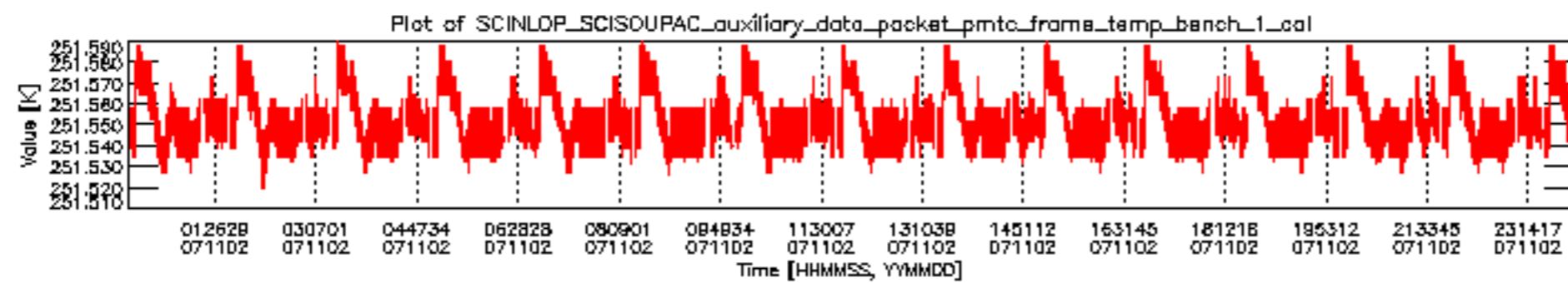
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20071101_010110_20071031_191542_20071110_204155
2	AUX_FPO_AXVPDS20071102_010111_20071101_184405_20071111_201018

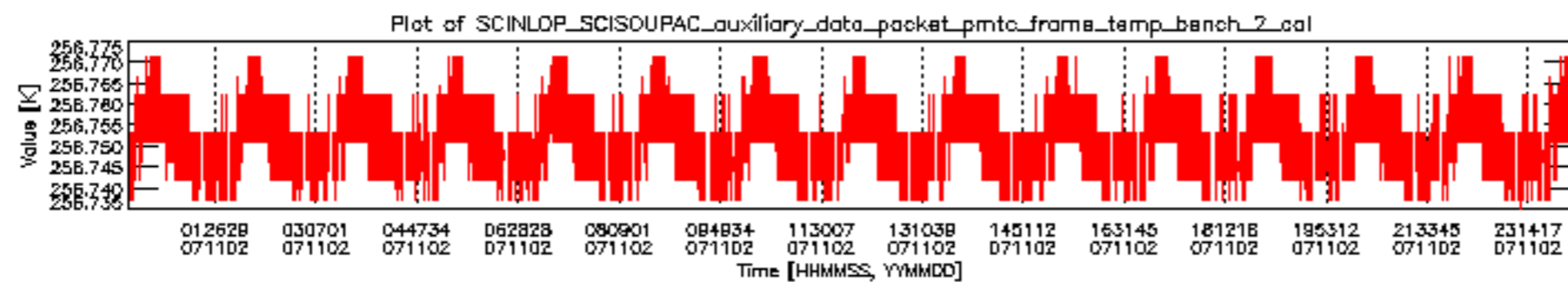


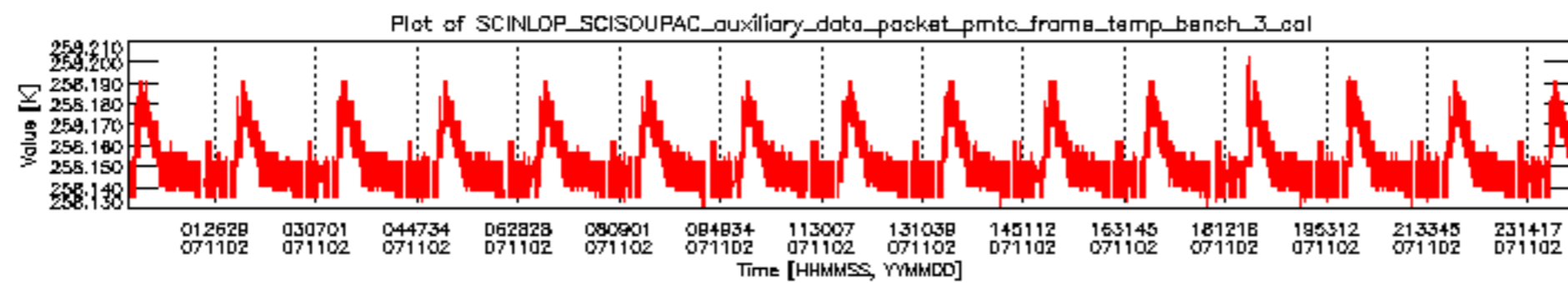
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071102_7.PNG

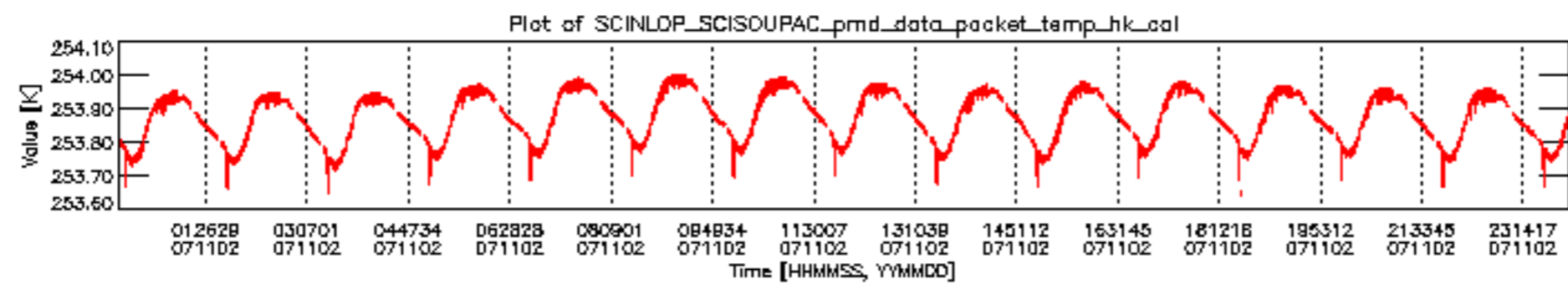


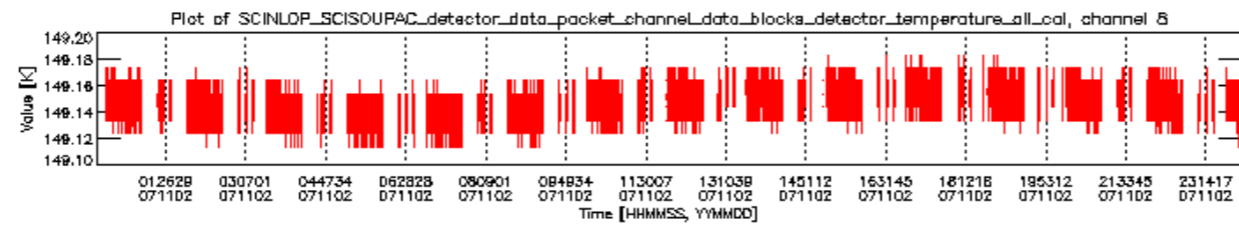
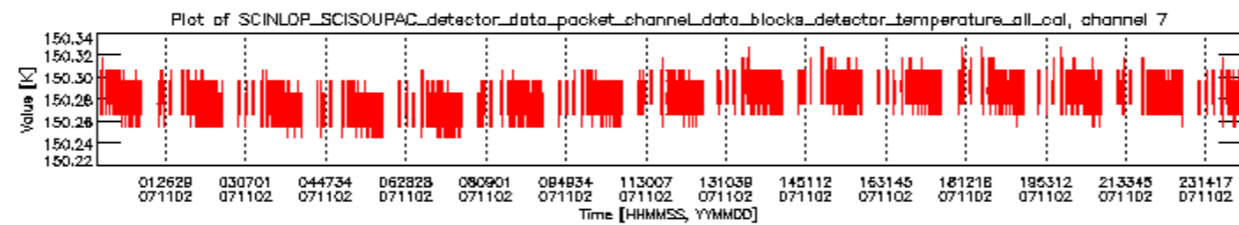
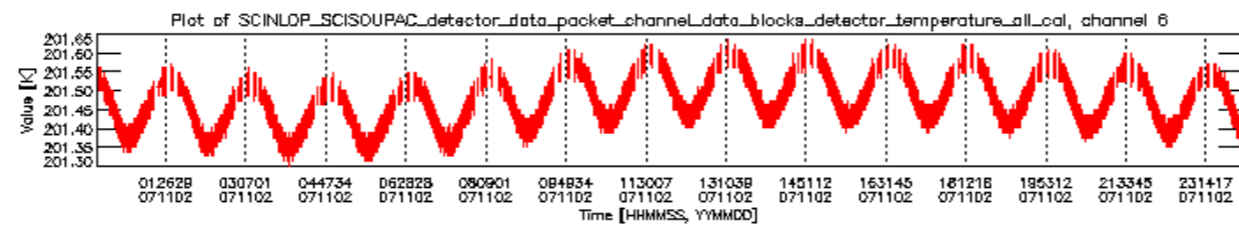
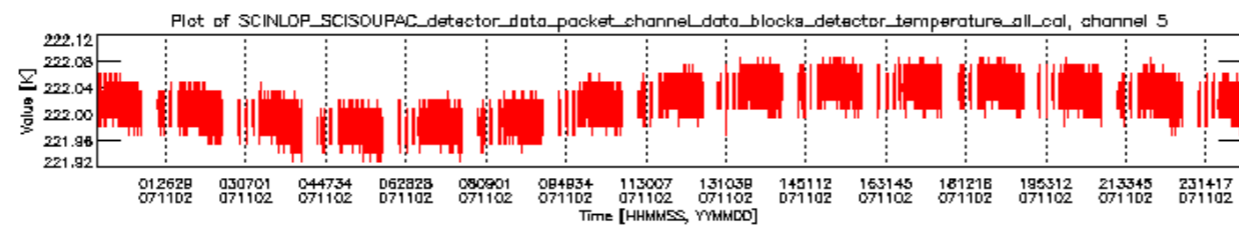
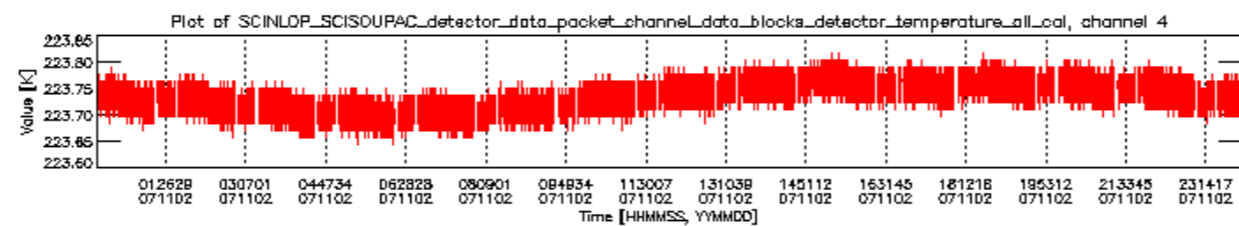
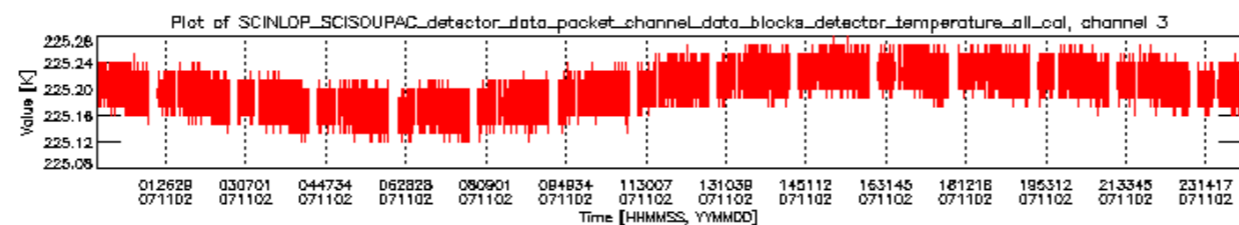
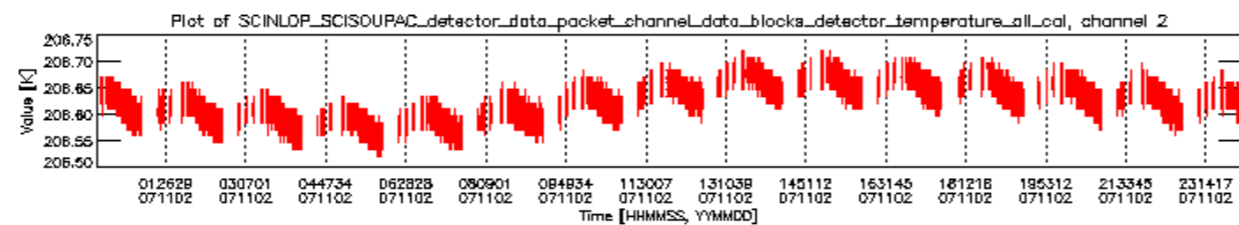
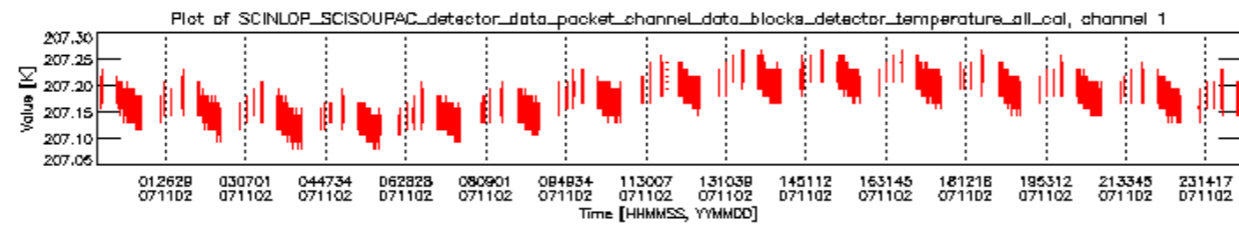
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071102_8.PNG











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