

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	18OCT2007 06:45:10
Data source version	KSPT_L0/4302-N
Processing scope for products	14OCT2007 00:00:00 to 15OCT2007 00:00:00
Start time of first product within scope	13OCT2007 23:31:35
Stop time of last product within scope	15OCT2007 00:40:41
Total number of level 0 products	16
Number of level 0 products with errors	2

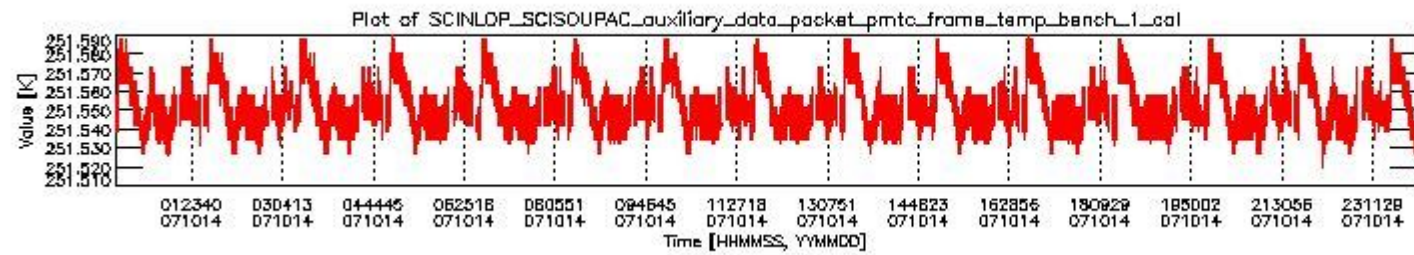
0.1.2 Summary per product

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

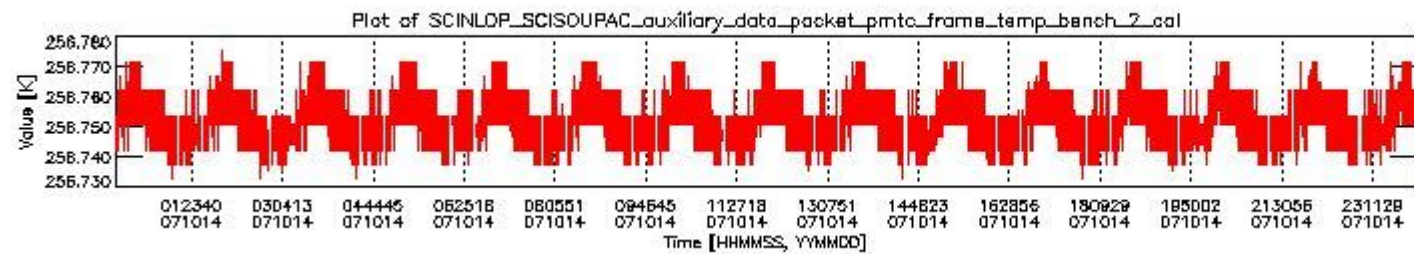
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20071013_233135_000060362062_00273_29385_5366.N1	13OCT2007 23:31:35	14OCT2007 01:12:11	0	0	0	0	0
1	SCI_NL__OPNPDE20071014_011127_000043112062_00274_29386_5367.N1	14OCT2007 01:11:27	14OCT2007 02:23:19	0	0	0	0	0
2	SCI_NL__OPNPDE20071014_022223_000062172062_00275_29387_5368.N1	14OCT2007 02:22:23	14OCT2007 04:06:00	0	0	0	0	0
3	SCI_NL__OPNPDE20071014_040451_000061052062_00276_29388_5369.N1	14OCT2007 04:04:51	14OCT2007 05:46:36	0	0	0	0	0
4	SCI_NL__OPNPDE20071014_054540_000061482062_00277_29389_5370.N1	14OCT2007 05:45:40	14OCT2007 07:28:09	0	0	0	0	0
5	SCI_NL__OPNPDK20071014_072809_000038652062_00278_29390_6340.N1	14OCT2007 07:28:09	14OCT2007 08:32:34	0	0	0	0	0
6	SCI_NL__OPNPDK20071014_083138_000062172062_00279_29391_6341.N1	14OCT2007 08:31:38	14OCT2007 10:15:15	1	1	0	0	0
7	SCI_NL__OPNPDK20071014_101406_000060492062_00280_29392_6343.N1	14OCT2007 10:14:06	14OCT2007 11:54:55	0	0	0	0	0
8	SCI_NL__OPNPDK20071014_115347_000060362062_00281_29393_6344.N1	14OCT2007 11:53:47	14OCT2007 13:34:23	0	0	0	0	0
9	SCI_NL__OPNPDK20071014_133314_000058562062_00282_29394_6345.N1	14OCT2007 13:33:14	14OCT2007 15:10:51	0	0	0	0	0
10	SCI_NL__OPNPDK20071014_150955_000059812062_00283_29395_6346.N1	14OCT2007 15:09:55	14OCT2007 16:49:35	0	0	0	0	0
11	SCI_NL__OPNPDK20071014_164840_000058992062_00284_29396_6347.N1	14OCT2007 16:48:40	14OCT2007 18:26:58	1	1	0	0	0
12	SCI_NL__OPNPDK20071014_182601_000060932062_00285_29397_6348.N1	14OCT2007 18:26:01	14OCT2007 20:07:35	0	0	0	0	0
13	SCI_NL__OPNPDE20071014_200735_000039292062_00286_29398_5371.N1	14OCT2007 20:07:35	14OCT2007 21:13:03	0	0	0	0	0
14	SCI_NL__OPNPDE20071014_211845_000060362062_00286_29398_5372.N1	14OCT2007 21:18:45	14OCT2007 22:59:21	0	0	0	0	0
15	SCI_NL__OPNPDE20071014_225921_000060802062_00287_29399_5373.N1	14OCT2007 22:59:21	15OCT2007 00:40:41	0	0	0	0	0

0.2 Product Quality Indicators

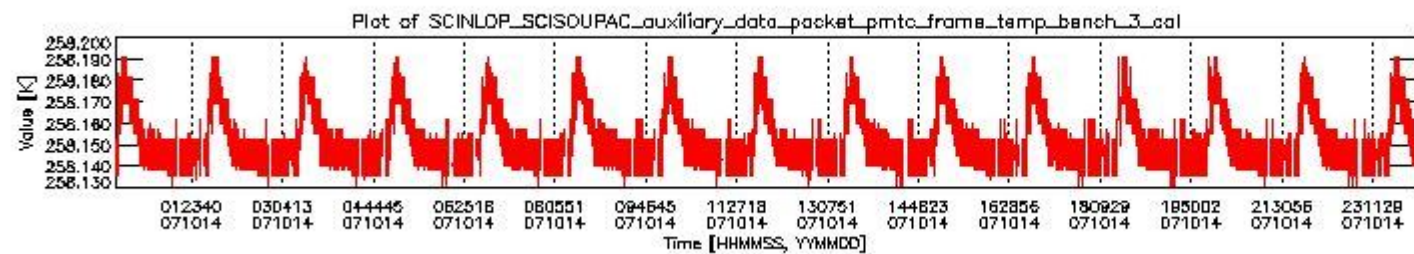
This section shows information about product quality, currently temperatures.



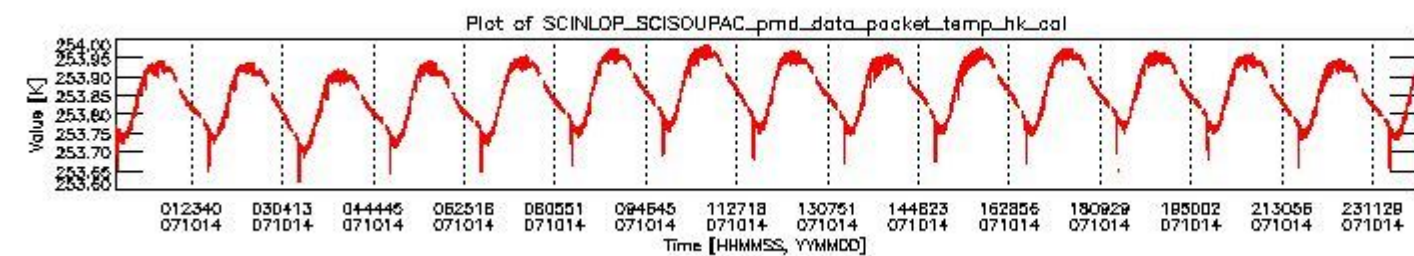
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071014_0.PNG



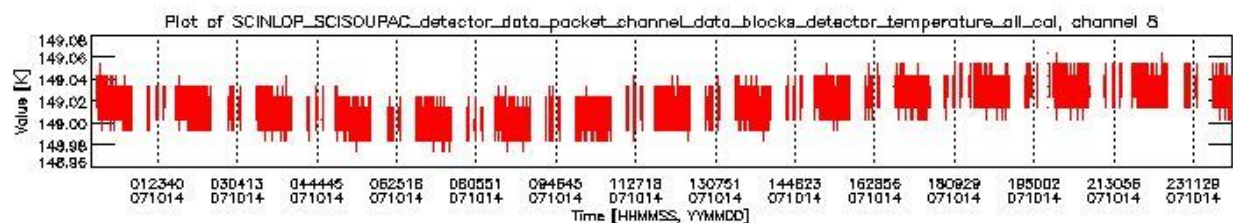
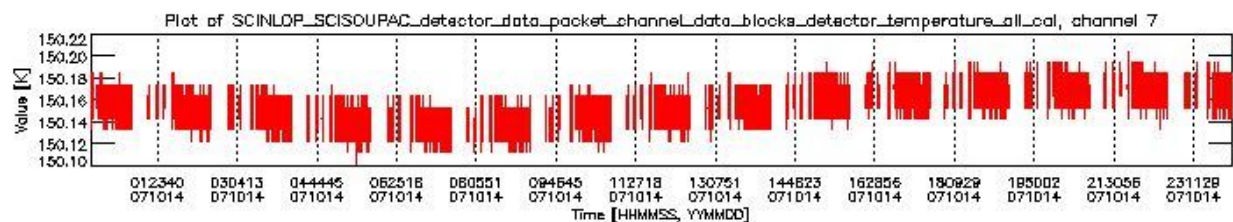
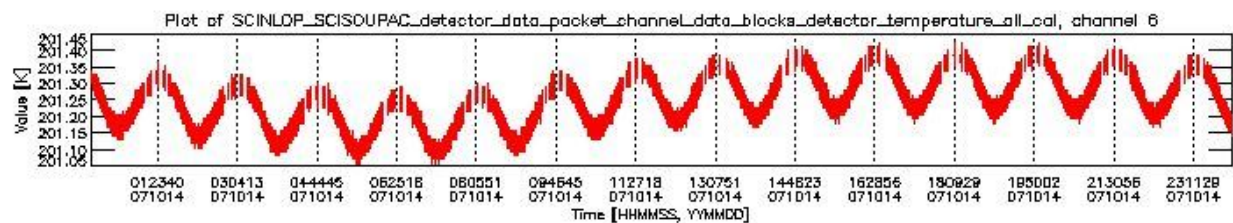
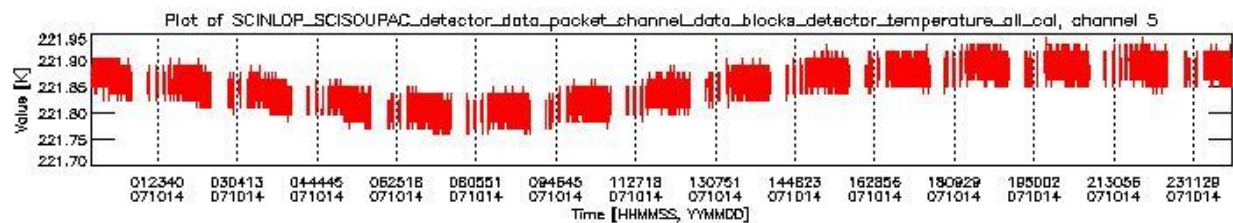
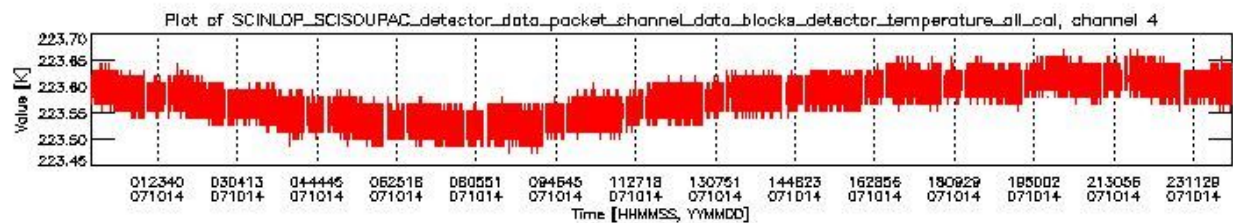
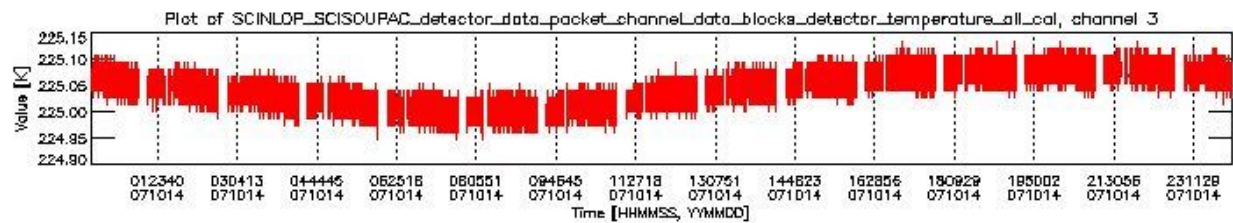
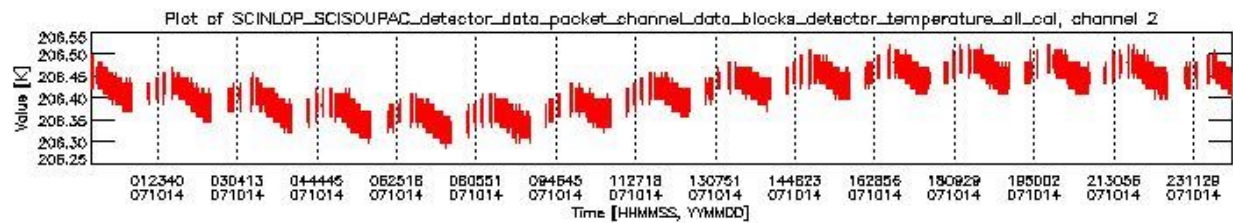
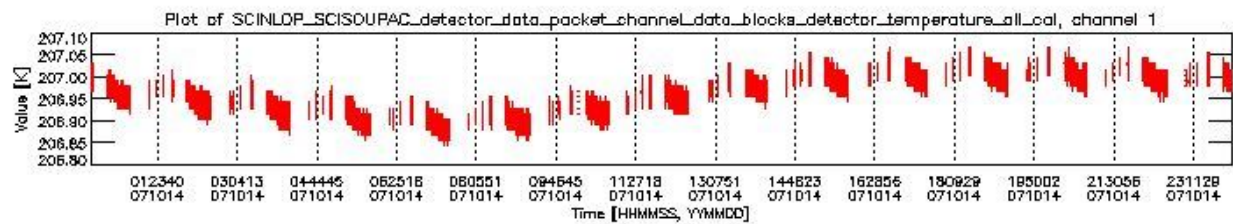
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sciamachy_daily_report_level0_KSPT_L0_4302_N_20071014_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071014_3.PNG

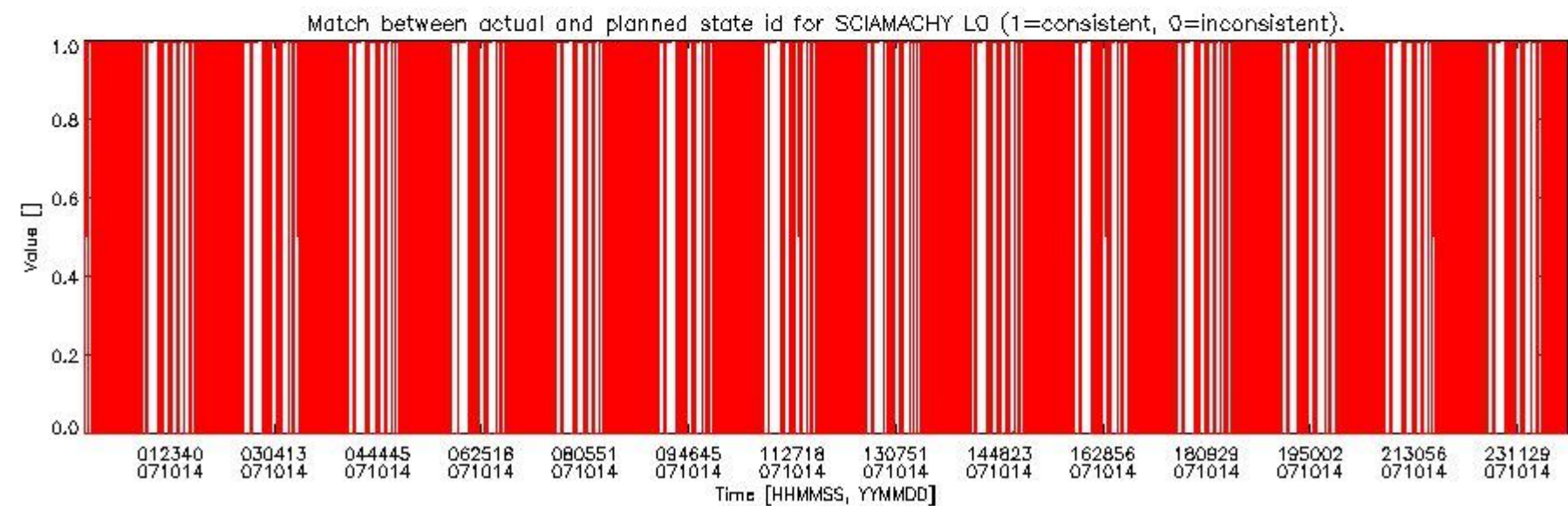
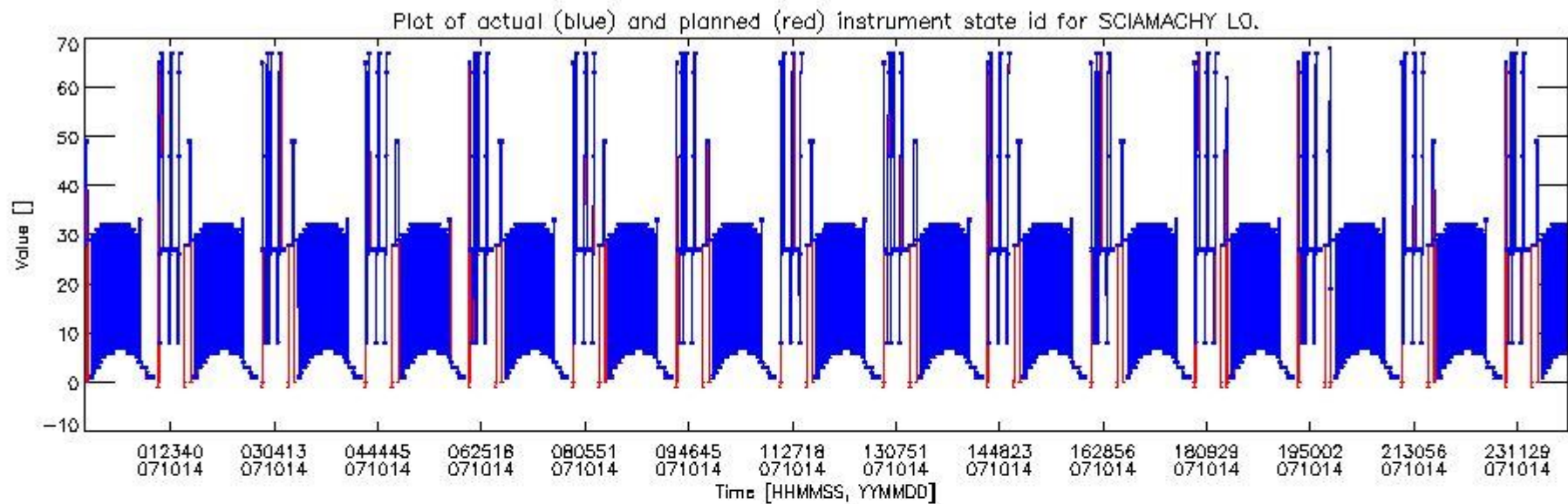


0.3 State monitoring

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: **30791**

#	Actual time	Actual value	Planned time	Planned value
0	14OCT2007 00:00:17.804611	49	14OCT2007 00:00:17.804611	28
1	14OCT2007 00:00:17.992137	49	14OCT2007 00:00:17.992137	28
2	14OCT2007 00:00:18.054619	49	14OCT2007 00:00:18.054619	28
3	14OCT2007 00:00:18.117142	49	14OCT2007 00:00:18.117142	28
4	14OCT2007 00:00:18.179624	49	14OCT2007 00:00:18.179624	28
5	14OCT2007 00:00:18.242146	49	14OCT2007 00:00:18.242146	28
6	14OCT2007 00:00:18.304628	49	14OCT2007 00:00:18.304628	28
7	14OCT2007 00:00:18.367110	49	14OCT2007 00:00:18.367110	28
8	14OCT2007 00:00:18.429632	49	14OCT2007 00:00:18.429632	28
9	14OCT2007 00:00:18.492115	49	14OCT2007 00:00:18.492115	28
10	14OCT2007 00:00:18.554637	49	14OCT2007 00:00:18.554637	28
11	14OCT2007 00:00:18.617119	49	14OCT2007 00:00:18.617119	28
12	14OCT2007 00:00:18.679641	49	14OCT2007 00:00:18.679641	28
13	14OCT2007 00:00:18.742123	49	14OCT2007 00:00:18.742123	28
14	14OCT2007 00:00:18.804646	49	14OCT2007 00:00:18.804646	28
15	14OCT2007 00:00:18.867128	49	14OCT2007 00:00:18.867128	28
16	14OCT2007 00:00:18.929610	49	14OCT2007 00:00:18.929610	28
17	14OCT2007 00:00:18.992132	49	14OCT2007 00:00:18.992132	28
18	14OCT2007 00:00:19.054614	49	14OCT2007 00:00:19.054614	28
19	14OCT2007 00:00:19.117136	49	14OCT2007 00:00:19.117136	28

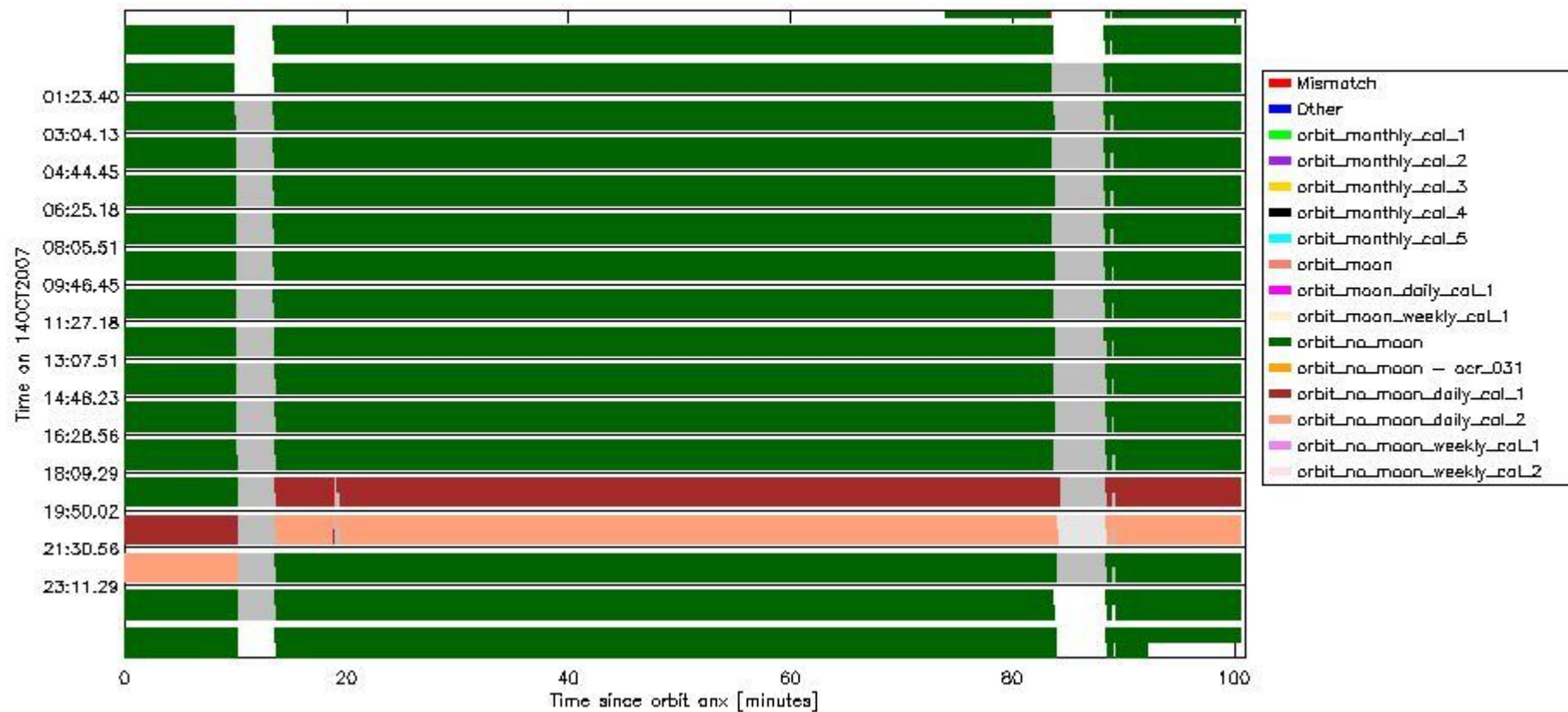


sciamachy_daily_report_level0_KSPT_L0_4302_N_20071014_5.PNG

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 14OCT2007.
 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_20071014_6.PNG

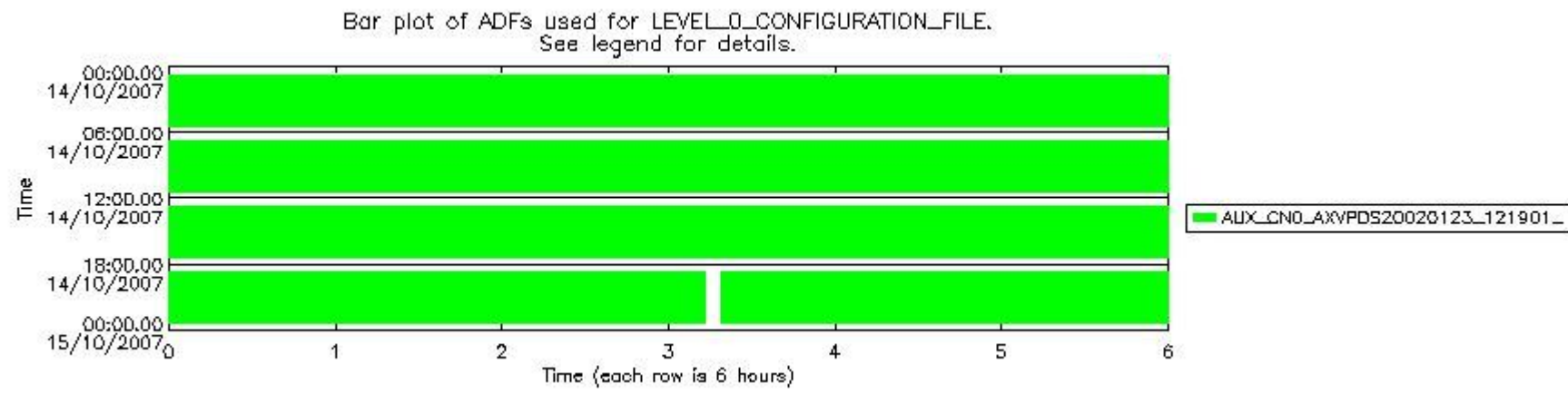
0.4 ADF monitoring

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

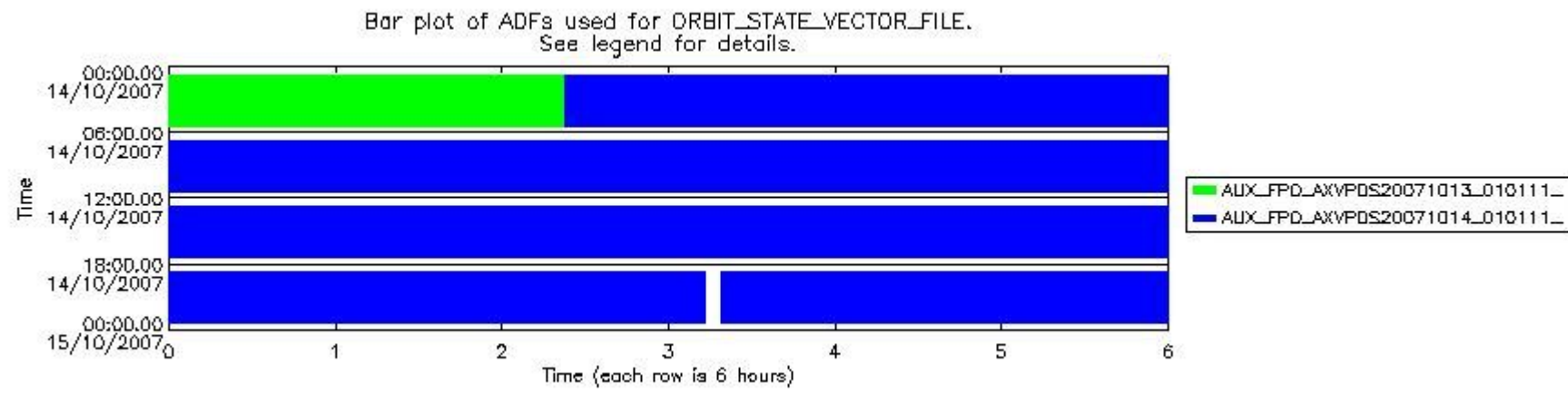
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

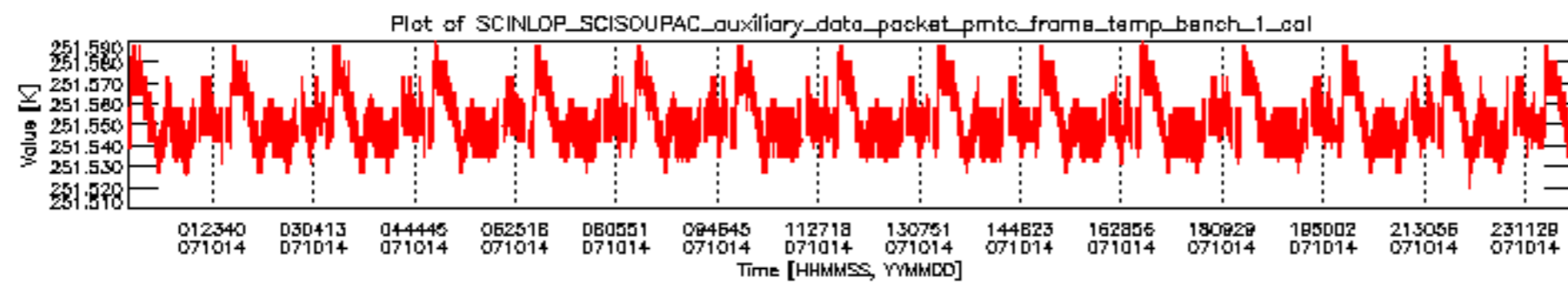
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20071013_010111_20071012_191250_20071022_203904
2	AUX_FPO_AXVPDS20071014_010111_20071013_184113_20071023_200727

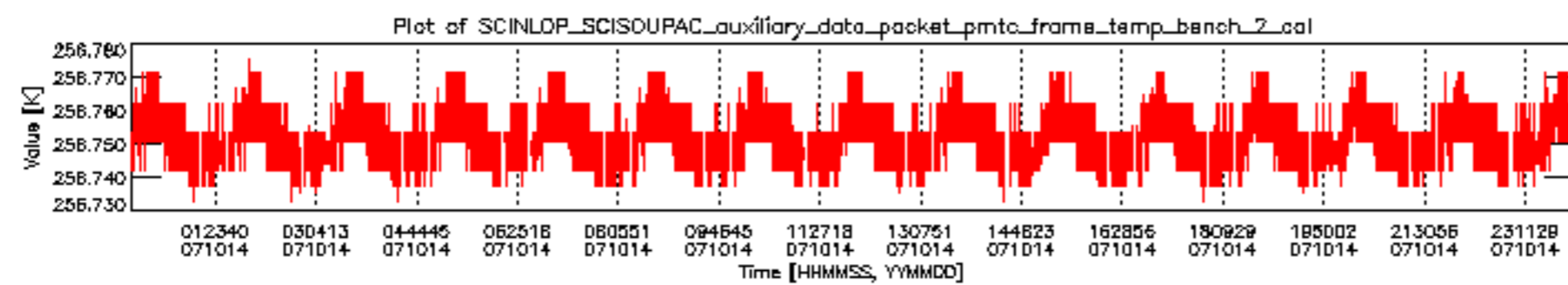


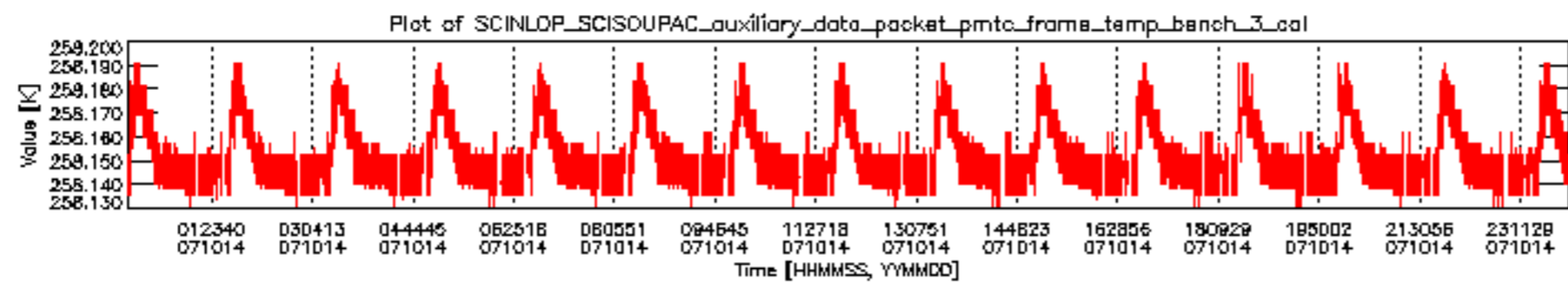
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071014_7.PNG

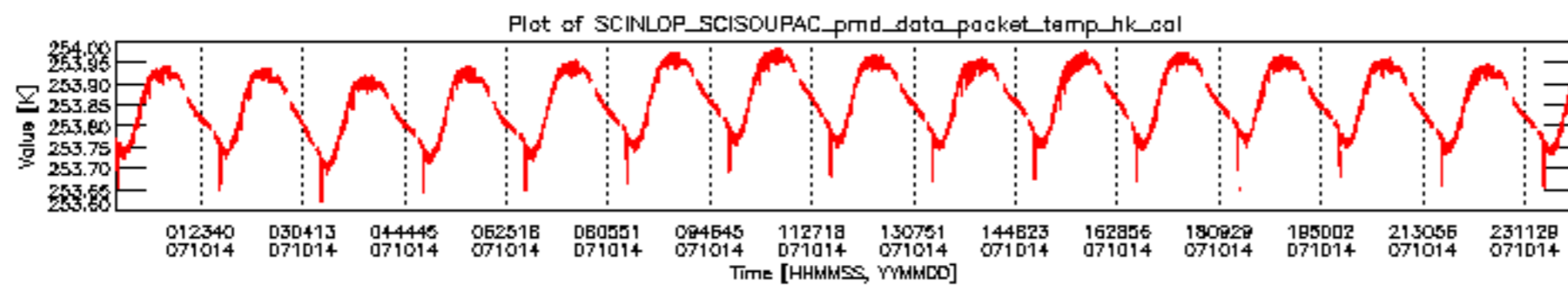


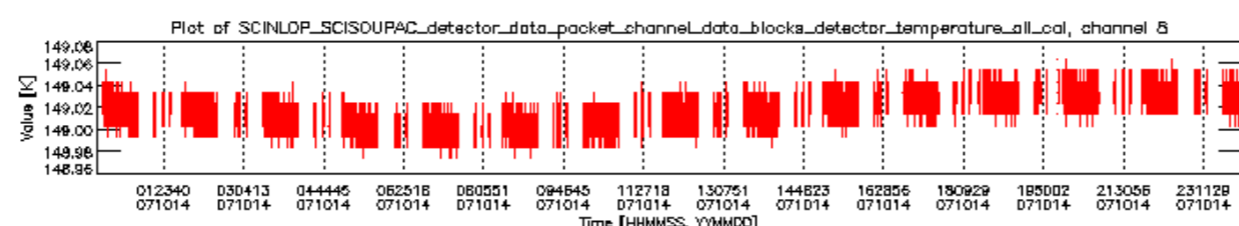
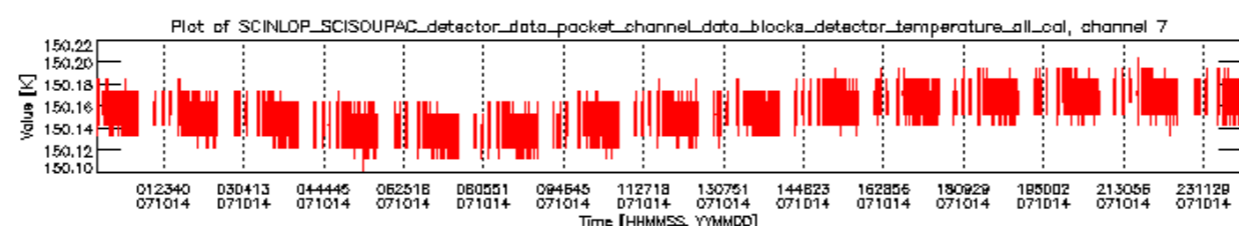
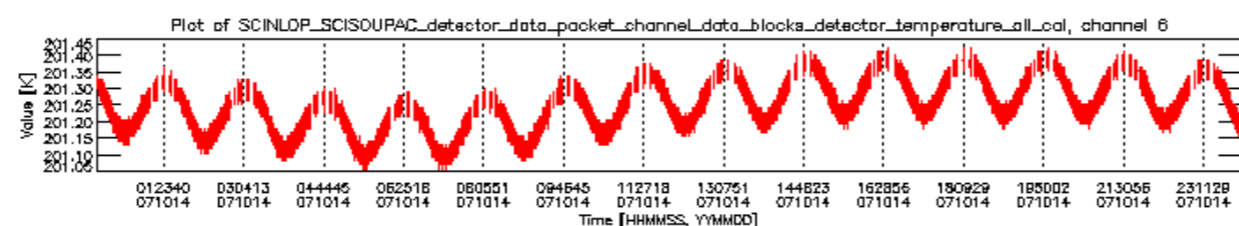
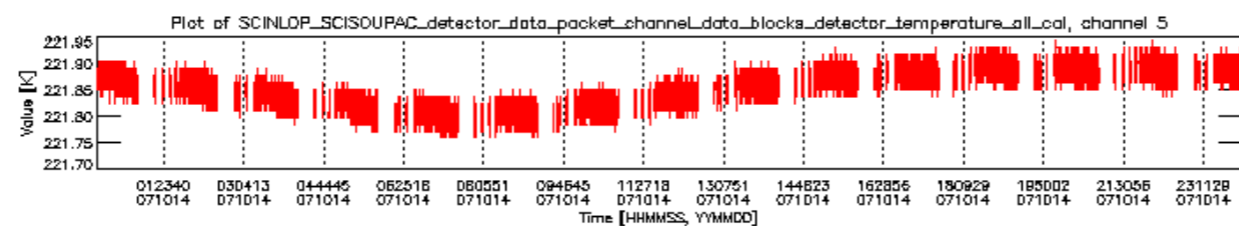
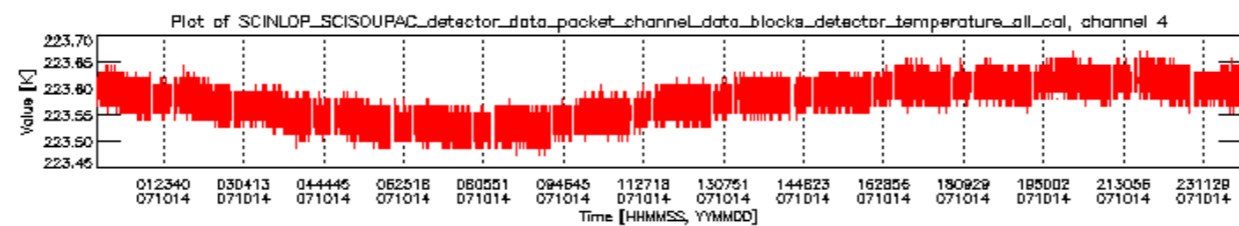
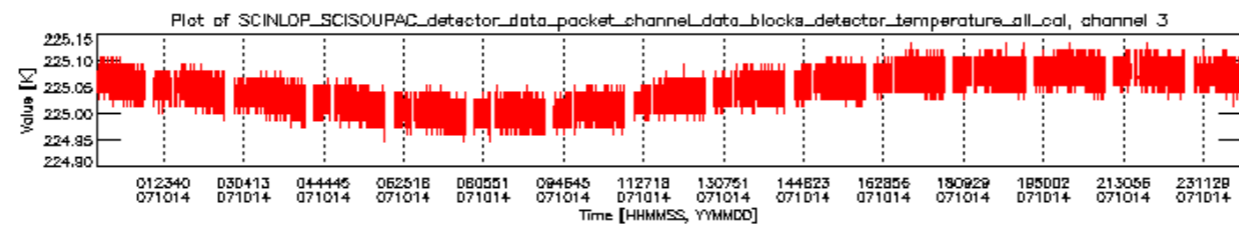
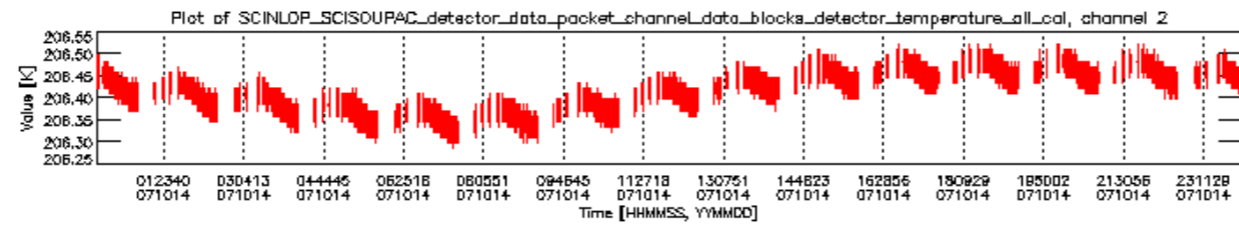
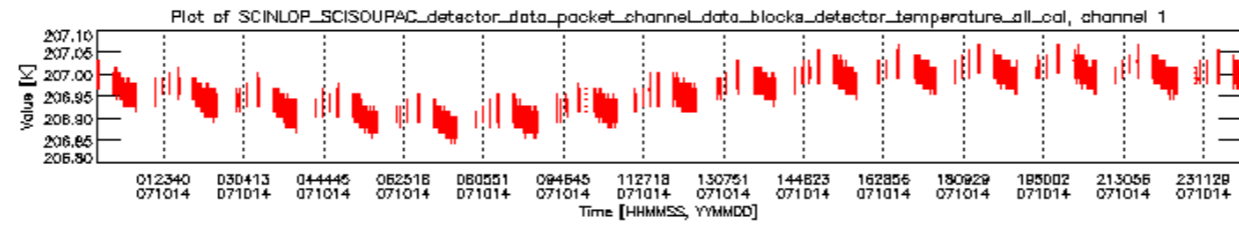
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071014_8.PNG











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 14OCT2007.
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