

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	11OCT2008 05:13:15
Data source version	KSPT_L0/4303-N
Processing scope for products	07OCT2008 00:00:00 to 08OCT2008 00:00:00
Start time of first product within scope	06OCT2008 23:48:02
Stop time of last product within scope	08OCT2008 00:57:52
Total number of level 0 products	16
Number of level 0 products with errors	0

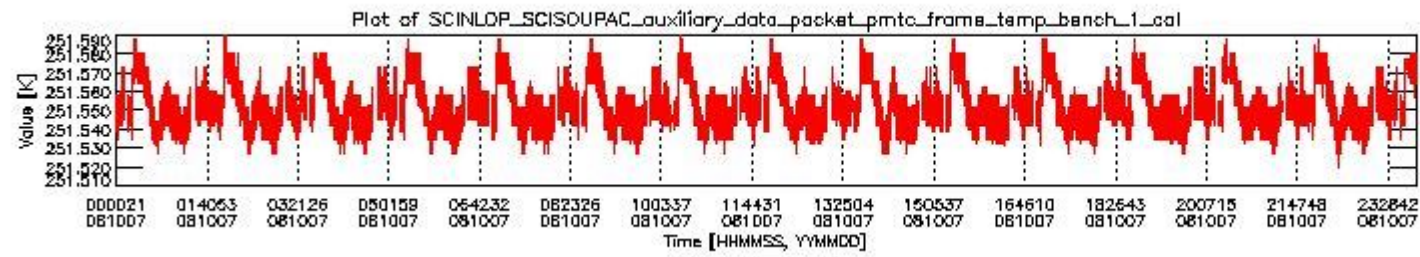
0.1.2 Summary per product

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

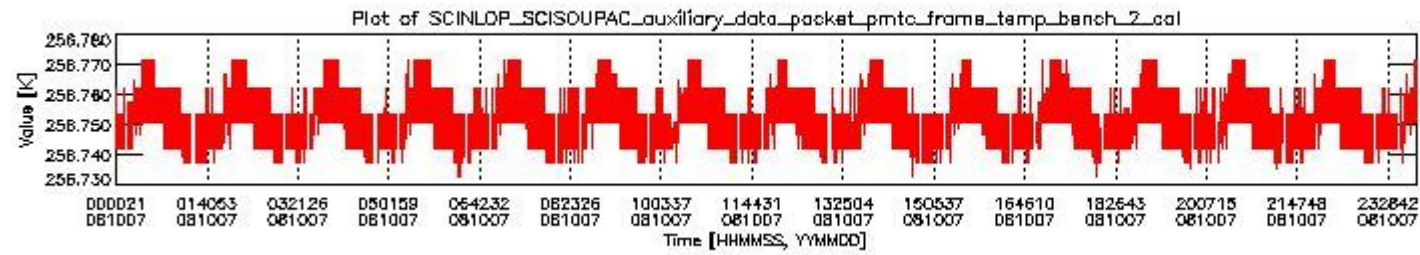
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081006_234802_000056302072_00402_34524_7655.N1	06OCT2008 23:48:02	07OCT2008 01:21:52	0	0	0	0	0
1	SCI_NL__OPNPDE20081007_012755_000046272072_00403_34525_7656.N1	07OCT2008 01:27:55	07OCT2008 02:45:02	0	0	0	0	0
2	SCI_NL__OPNPDE20081007_024354_000058432072_00404_34526_7657.N1	07OCT2008 02:43:54	07OCT2008 04:21:17	0	0	0	0	0
3	SCI_NL__OPNPDE20081007_042021_000061612072_00405_34527_7658.N1	07OCT2008 04:20:21	07OCT2008 06:03:02	0	0	0	0	0
4	SCI_NL__OPNPDK20081007_060206_000041572072_00406_34528_9597.N1	07OCT2008 06:02:06	07OCT2008 07:11:24	0	0	0	0	0
5	SCI_NL__OPNPDK20081007_071028_000061052072_00407_34529_9598.N1	07OCT2008 07:10:28	07OCT2008 08:52:13	0	0	0	0	0
6	SCI_NL__OPNPDK20081007_085104_000058432072_00408_34530_9599.N1	07OCT2008 08:51:04	07OCT2008 10:28:28	0	0	0	0	0
7	SCI_NL__OPNPDK20081007_102732_000061612072_00409_34531_9600.N1	07OCT2008 10:27:32	07OCT2008 12:10:13	0	0	0	0	0
8	SCI_NL__OPNPDK20081007_120808_000060362072_00410_34532_9601.N1	07OCT2008 12:08:08	07OCT2008 13:48:45	0	0	0	0	0
9	SCI_NL__OPNPDK20081007_134736_000059812072_00411_34533_9602.N1	07OCT2008 13:47:36	07OCT2008 15:27:17	0	0	0	0	0
10	SCI_NL__OPNPDK20081007_152429_000058992072_00412_34534_9603.N1	07OCT2008 15:24:29	07OCT2008 17:02:48	0	0	0	0	0
11	SCI_NL__OPNPDK20081007_170248_000059802072_00413_34535_9604.N1	07OCT2008 17:02:48	07OCT2008 18:42:27	0	0	0	0	0
12	SCI_NL__OPNPDK20081007_184131_000061492072_00414_34536_9605.N1	07OCT2008 18:41:31	07OCT2008 20:24:01	0	0	0	0	0
13	SCI_NL__OPNPDE20081007_202304_000043292072_00415_34537_7659.N1	07OCT2008 20:23:04	07OCT2008 21:35:12	0	0	0	0	0
14	SCI_NL__OPNPDE20081007_213512_000060802072_00415_34537_7660.N1	07OCT2008 21:35:12	07OCT2008 23:16:32	0	0	0	0	0
15	SCI_NL__OPNPDE20081007_231549_000061242072_00416_34538_7661.N1	07OCT2008 23:15:49	08OCT2008 00:57:52	0	0	0	0	0

0.2 Product Quality Indicators

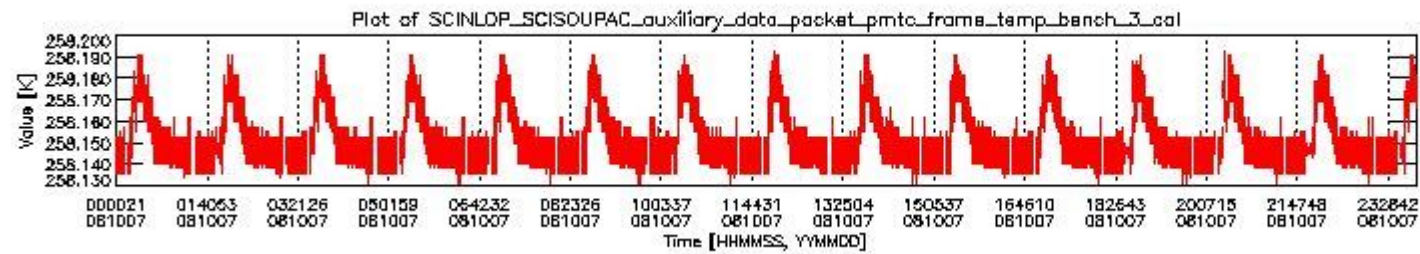
This section shows information about product quality, currently temperatures.



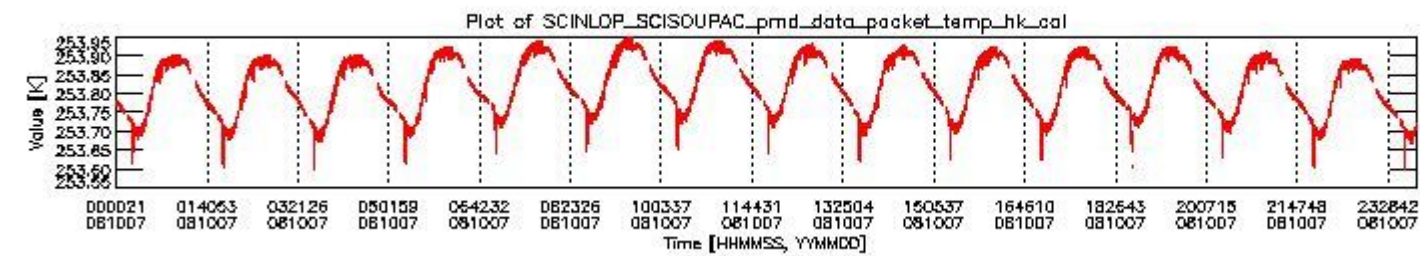
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081007_0.PNG



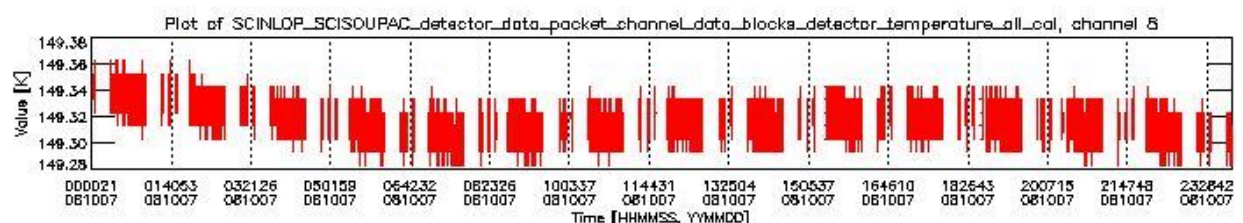
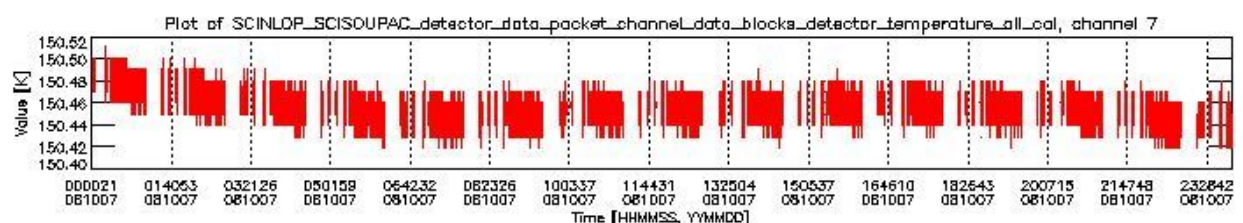
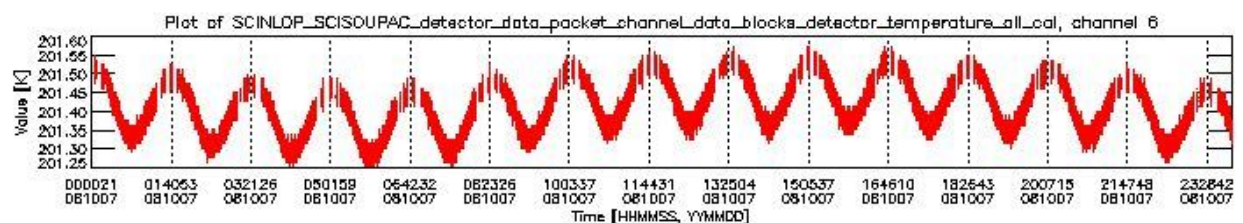
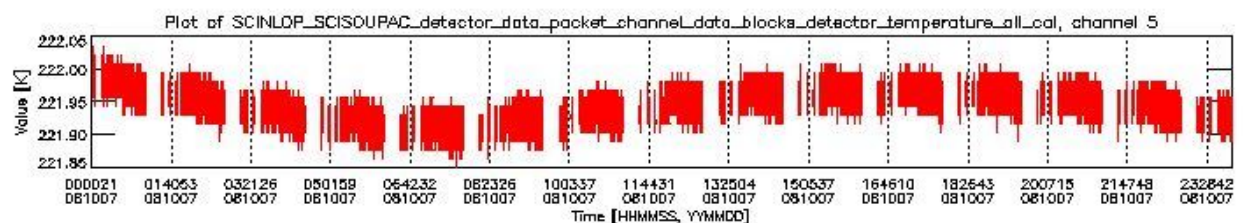
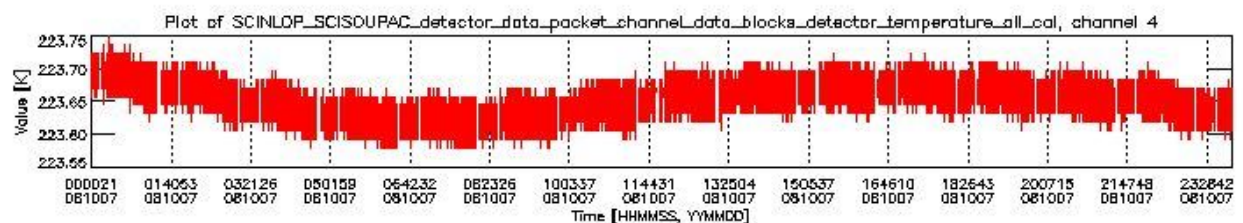
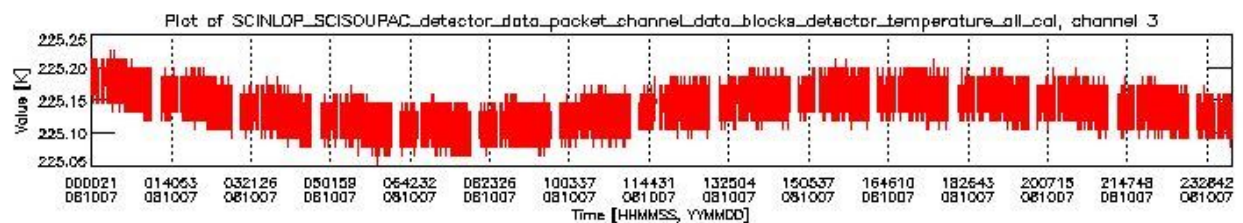
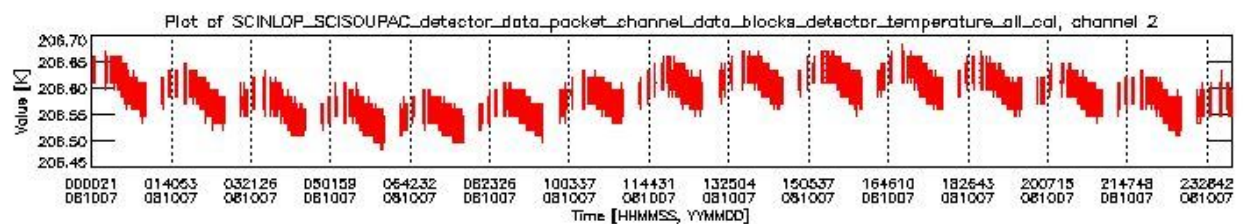
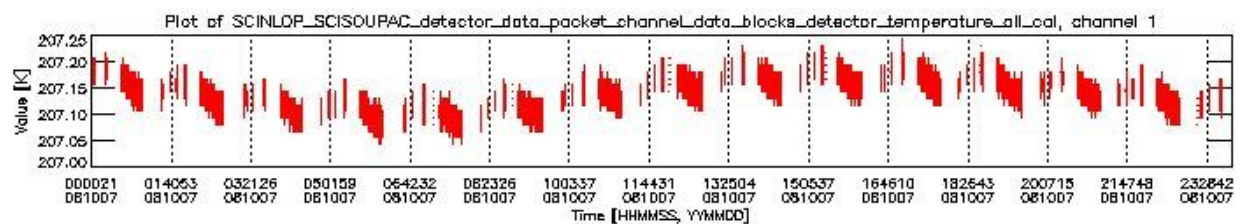
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20081007_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081007_3.PNG

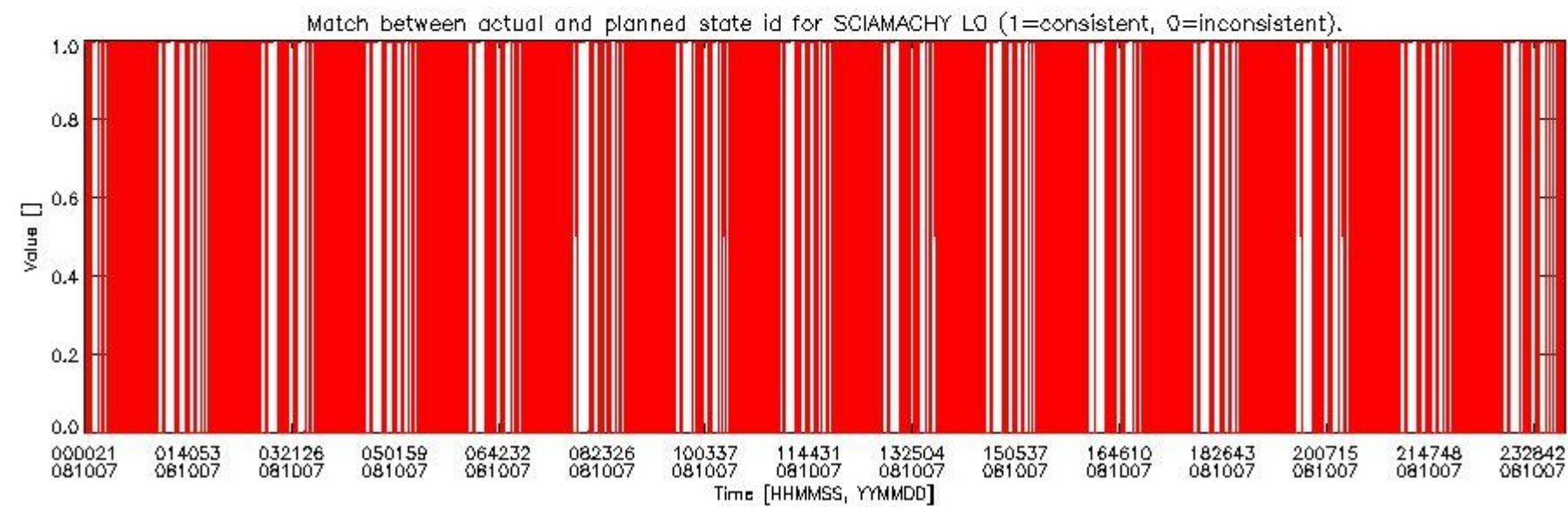
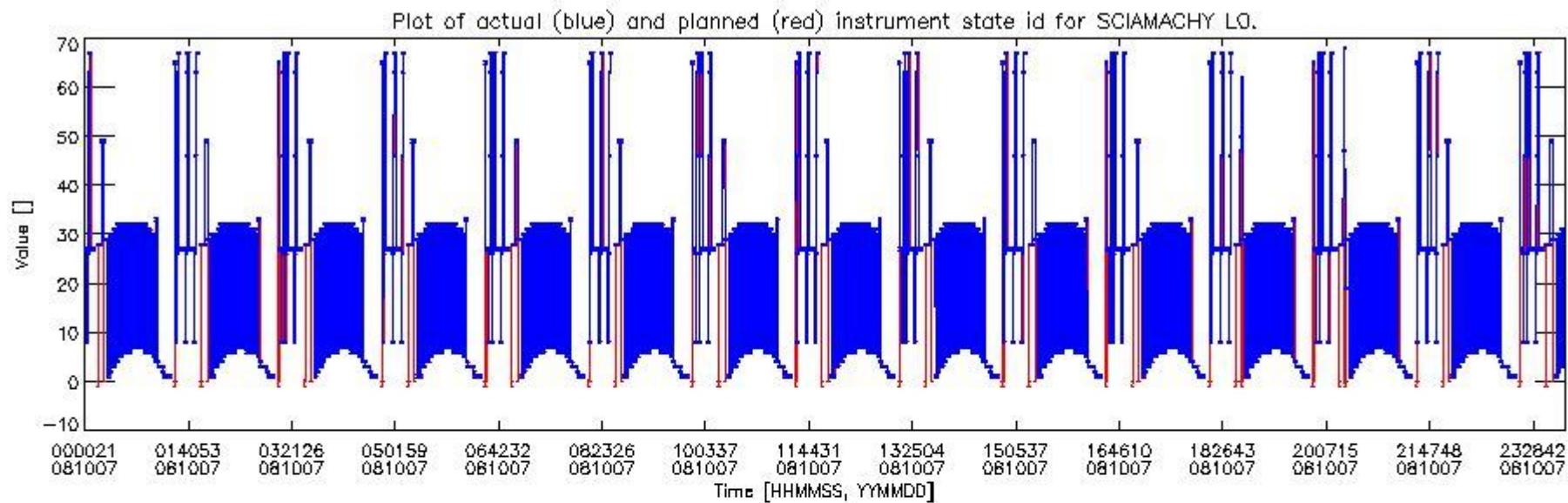


0.3 State monitoring

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: **44877**

#	Actual time	Actual value	Planned time	Planned value
0	07OCT2008 00:02:18.989590	8	07OCT2008 00:02:18.989590	27
1	07OCT2008 00:02:20.114589	8	07OCT2008 00:02:20.114589	27
2	07OCT2008 00:02:21.114624	8	07OCT2008 00:02:21.114624	27
3	07OCT2008 00:02:22.114618	8	07OCT2008 00:02:22.114618	27
4	07OCT2008 00:02:23.114613	8	07OCT2008 00:02:23.114613	27
5	07OCT2008 00:02:23.989603	8	07OCT2008 00:02:23.989603	27
6	07OCT2008 00:02:24.114608	8	07OCT2008 00:02:24.114608	27
7	07OCT2008 00:02:25.114602	8	07OCT2008 00:02:25.114602	27
8	07OCT2008 00:02:26.114597	8	07OCT2008 00:02:26.114597	27
9	07OCT2008 00:02:27.114591	8	07OCT2008 00:02:27.114591	27
10	07OCT2008 00:02:28.114626	8	07OCT2008 00:02:28.114626	27
11	07OCT2008 00:03:02.548195	26	07OCT2008 00:03:02.548195	8
12	07OCT2008 00:03:03.173217	26	07OCT2008 00:03:03.173217	8
13	07OCT2008 00:03:03.673194	26	07OCT2008 00:03:03.673194	8
14	07OCT2008 00:03:04.173211	26	07OCT2008 00:03:04.173211	8
15	07OCT2008 00:03:04.673189	26	07OCT2008 00:03:04.673189	8
16	07OCT2008 00:03:05.173206	26	07OCT2008 00:03:05.173206	8
17	07OCT2008 00:03:05.673223	26	07OCT2008 00:03:05.673223	8
18	07OCT2008 00:03:06.173201	26	07OCT2008 00:03:06.173201	8
19	07OCT2008 00:03:06.673218	26	07OCT2008 00:03:06.673218	8

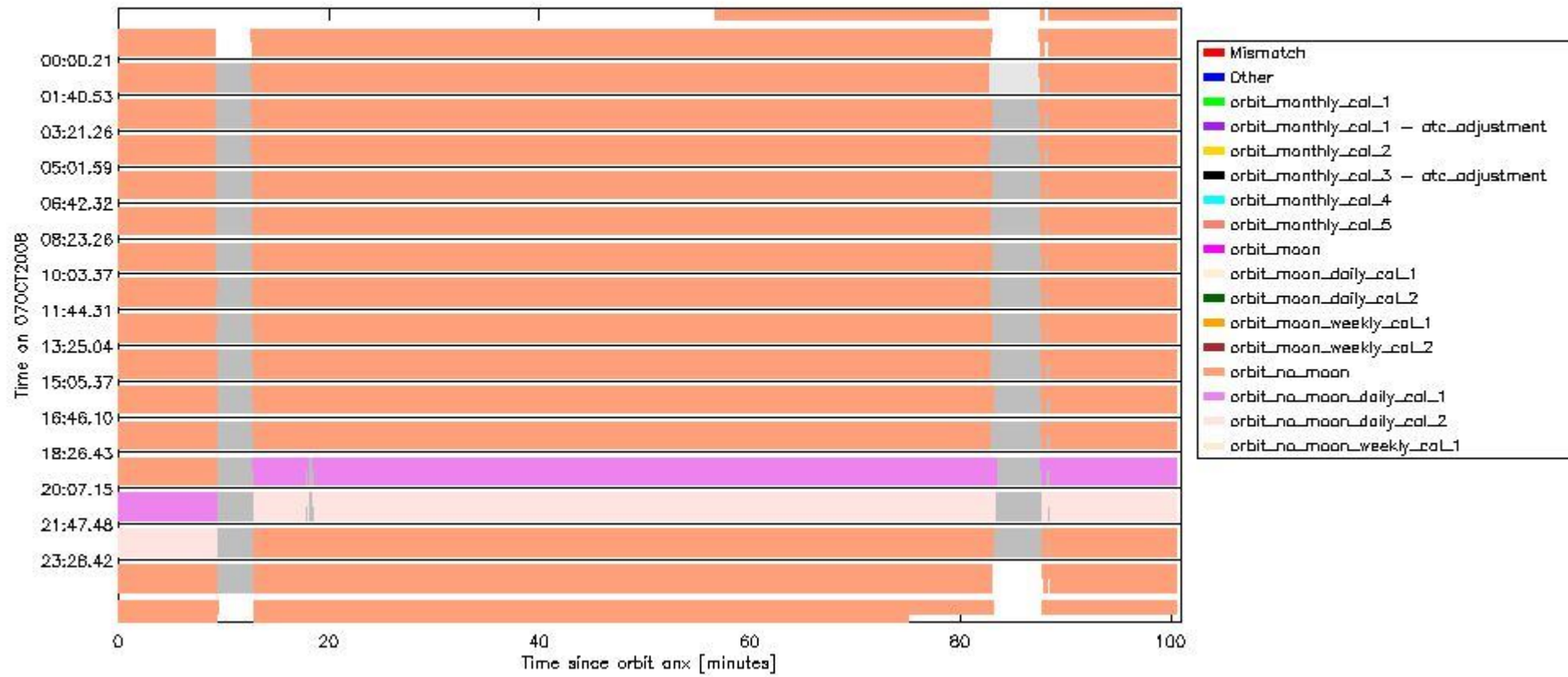


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081007_5.PNG

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 07OCT2008.
 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_4303_N_20081007_6.PNG

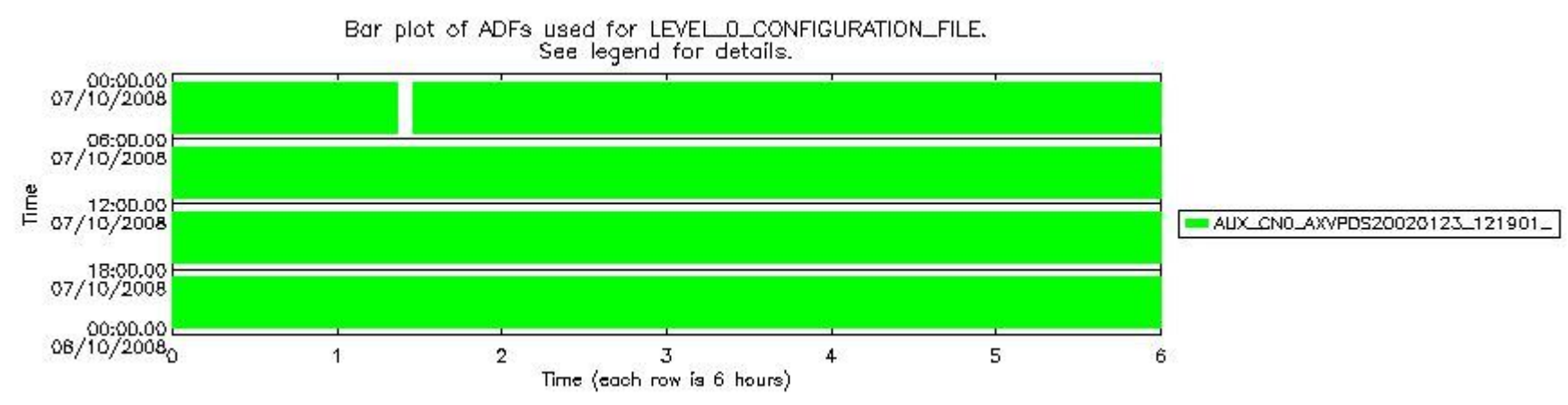
0.4 ADF monitoring

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

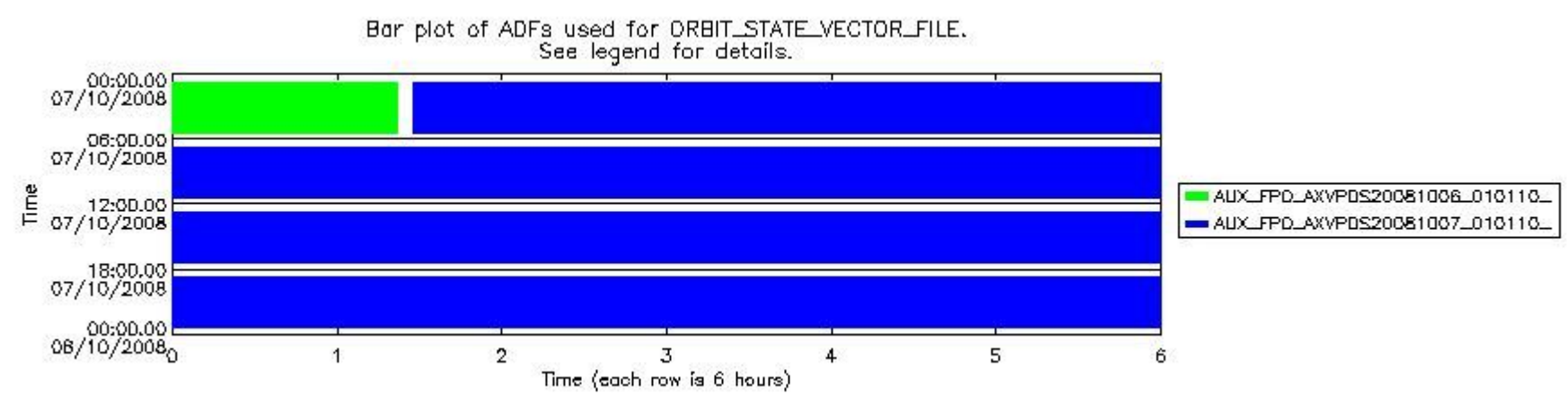
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

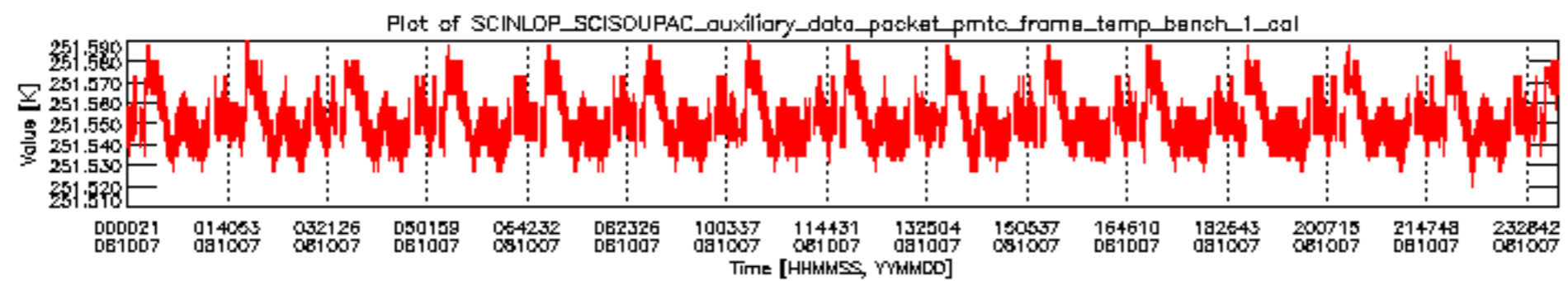
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081006_010110_20081005_193002_20081015_205616
2	AUX_FPO_AXVPDS20081007_010110_20081006_185825_20081016_202439

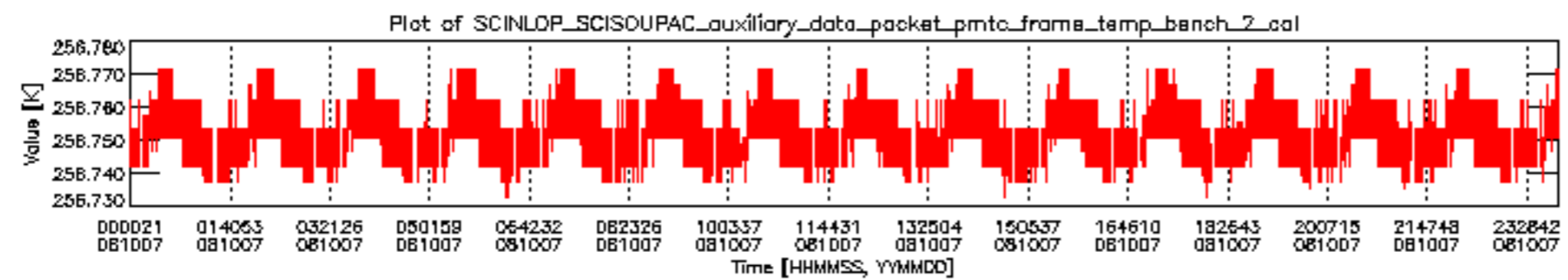


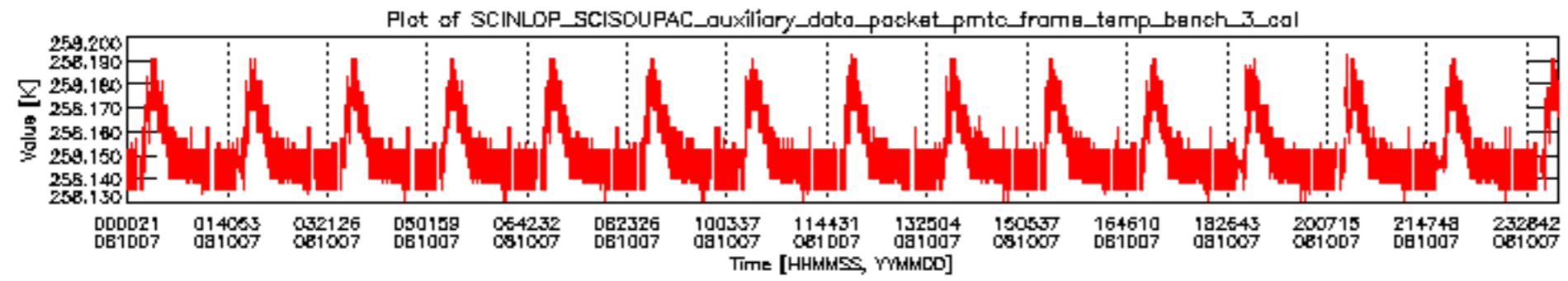
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081007_7.PNG

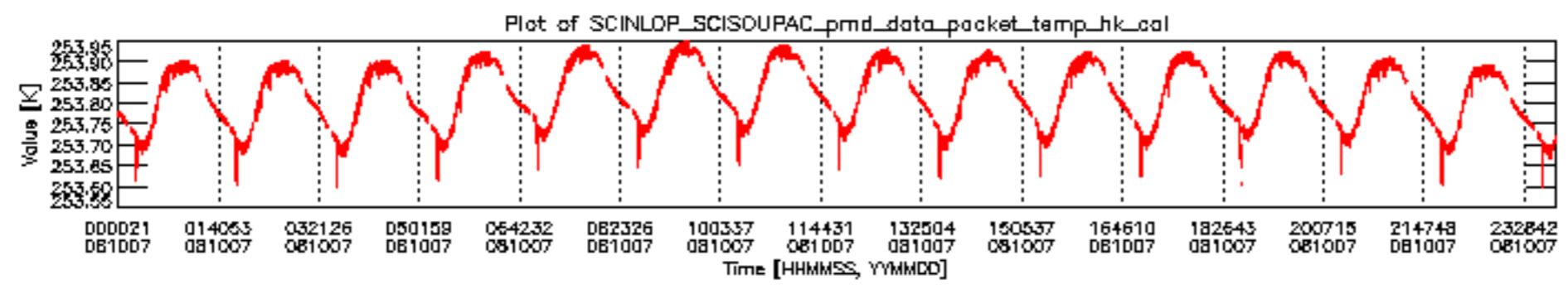


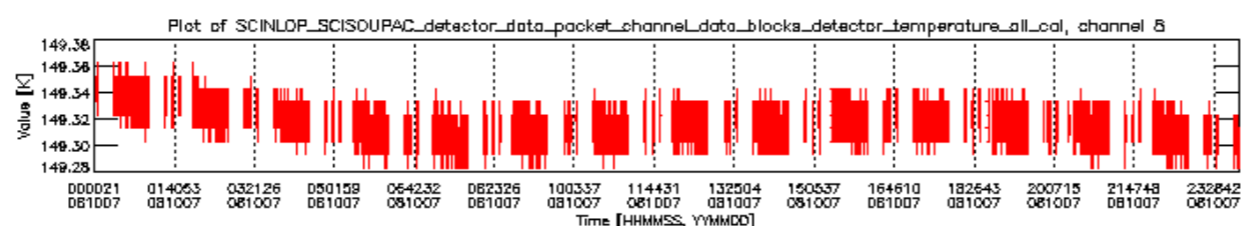
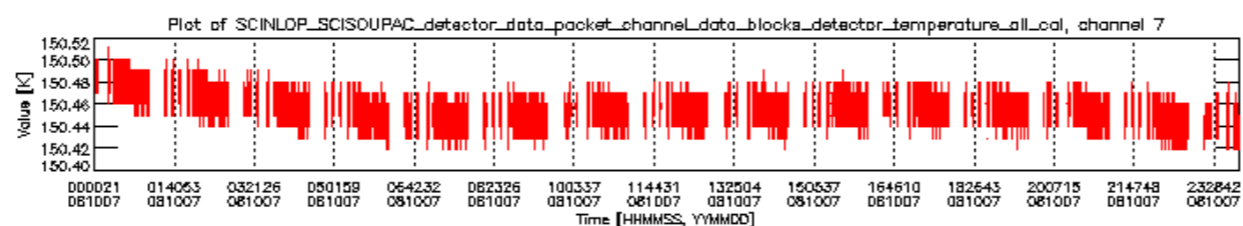
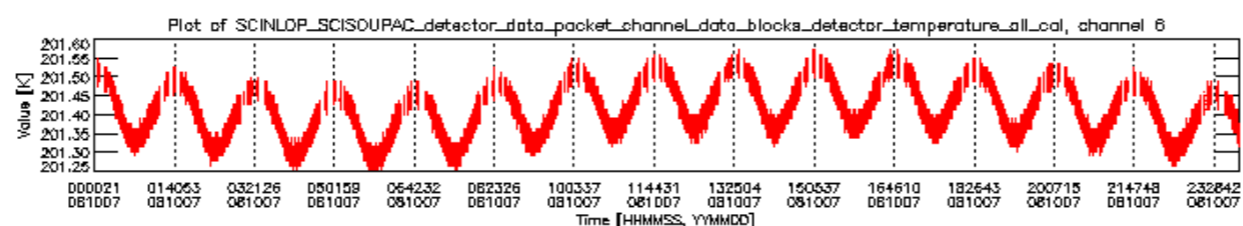
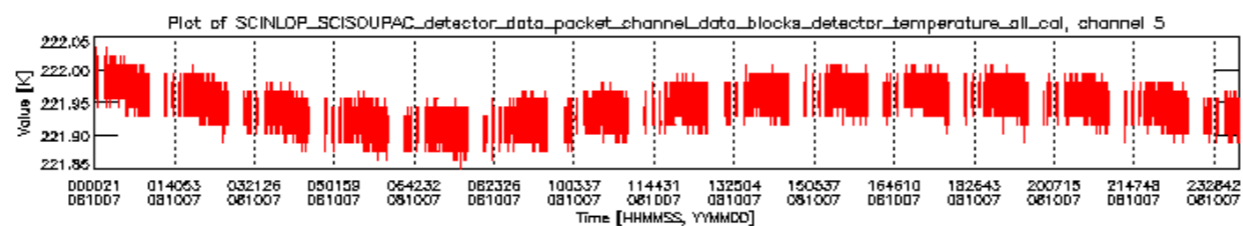
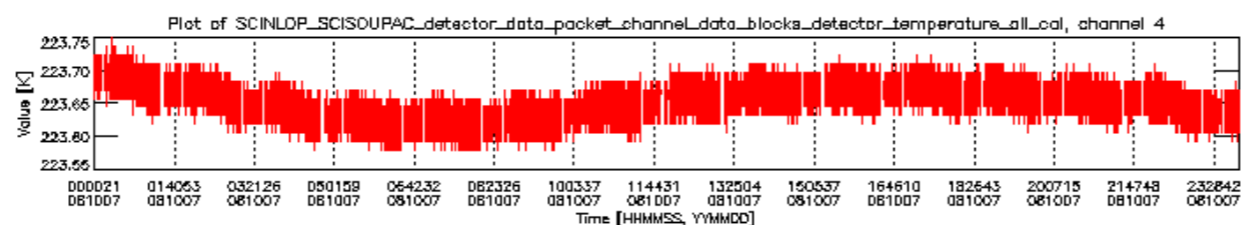
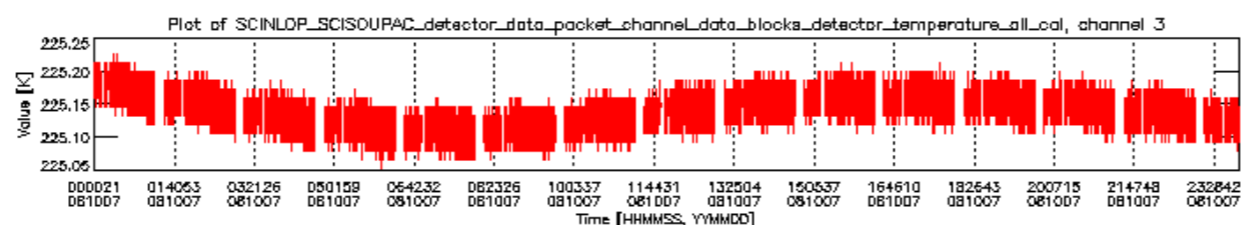
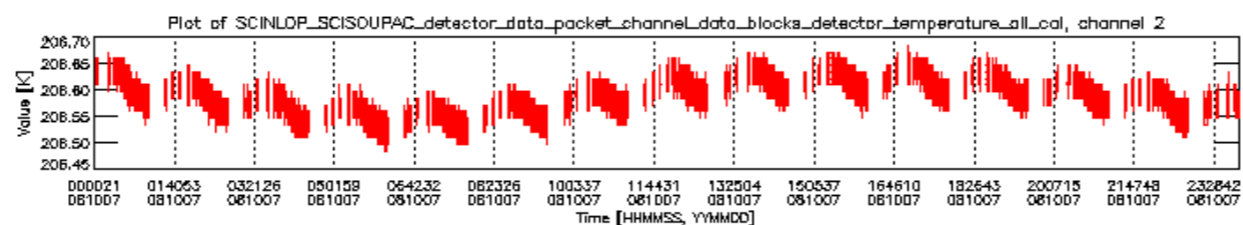
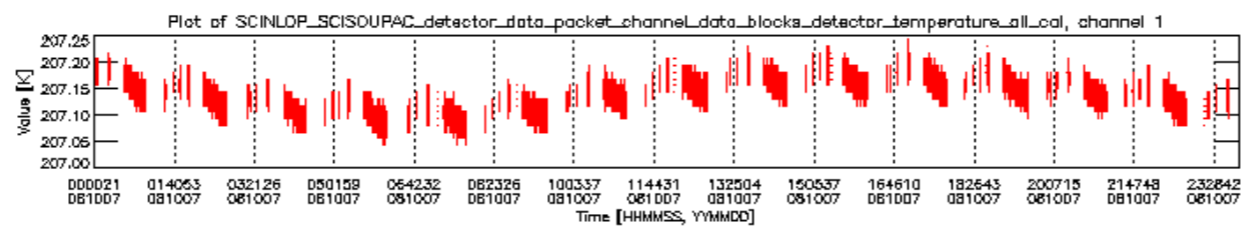
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081007_8.PNG











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