

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	25SEP2008 06:17:05
Data source version	KSPT_L0/4303-N
Processing scope for products	21SEP2008 00:00:00 to 22SEP2008 00:00:00
Start time of first product within scope	20SEP2008 23:50:13
Stop time of last product within scope	22SEP2008 01:01:45
Total number of level 0 products	16
Number of level 0 products with errors	0

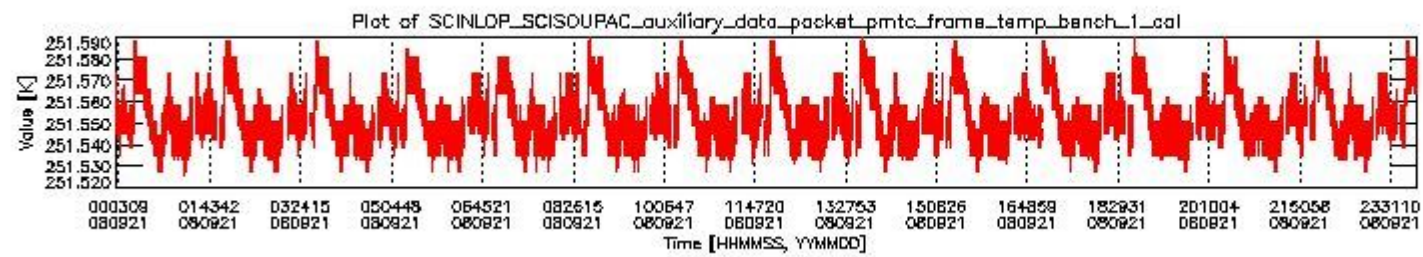
0.1.2 Summary per product

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

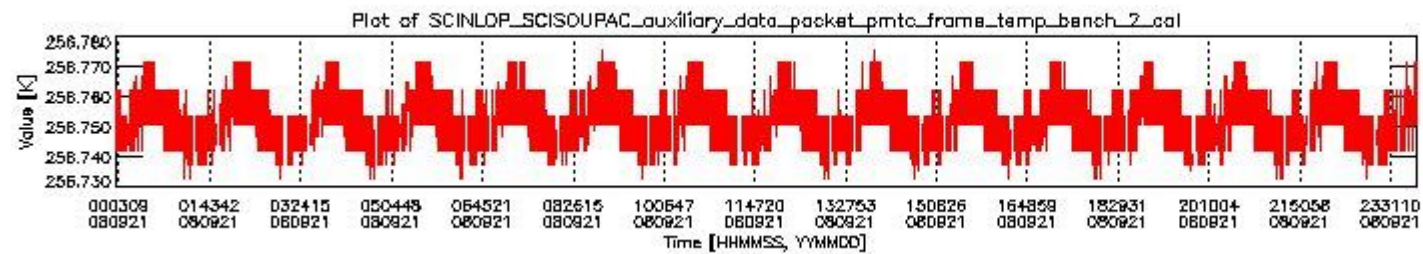
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080920_235013_000060912072_00173_34295_7546.N1	20SEP2008 23:50:13	21SEP2008 01:31:44	0	0	0	0	0
1	SCI_NL__OPNPDE20080921_013016_000047162072_00174_34296_7547.N1	21SEP2008 01:30:16	21SEP2008 02:48:53	0	0	0	0	0
2	SCI_NL__OPNPDE20080921_024744_000058002072_00175_34297_7548.N1	21SEP2008 02:47:44	21SEP2008 04:24:24	0	0	0	0	0
3	SCI_NL__OPNPDE20080921_042424_000060922072_00176_34298_7549.N1	21SEP2008 04:24:24	21SEP2008 06:05:57	0	0	0	0	0
4	SCI_NL__OPNPDK20080921_060448_000041142072_00177_34299_9459.N1	21SEP2008 06:04:48	21SEP2008 07:13:22	0	0	0	0	0
5	SCI_NL__OPNPDK20080921_071226_000061482072_00178_34300_9460.N1	21SEP2008 07:12:26	21SEP2008 08:54:55	0	0	0	0	0
6	SCI_NL__OPNPDK20080921_085455_000059812072_00179_34301_9461.N1	21SEP2008 08:54:55	21SEP2008 10:34:35	0	0	0	0	0
7	SCI_NL__OPNPDK20080921_103435_000059682072_00180_34302_9462.N1	21SEP2008 10:34:35	21SEP2008 12:14:03	0	0	0	0	0
8	SCI_NL__OPNPDK20080921_121307_000059812072_00181_34303_9463.N1	21SEP2008 12:13:07	21SEP2008 13:52:48	0	0	0	0	0
9	SCI_NL__OPNPDK20080921_135139_000059682072_00182_34304_9464.N1	21SEP2008 13:51:39	21SEP2008 15:31:07	0	0	0	0	0
10	SCI_NL__OPNPDK20080921_153011_000058762072_00183_34305_9465.N1	21SEP2008 15:30:11	21SEP2008 17:08:07	0	0	0	0	0
11	SCI_NL__OPNPDK20080921_170616_000060922072_00184_34306_9466.N1	21SEP2008 17:06:16	21SEP2008 18:47:48	0	0	0	0	0
12	SCI_NL__OPNPDK20080921_184652_000058792072_00185_34307_9467.N1	21SEP2008 18:46:52	21SEP2008 20:24:51	0	0	0	0	0
13	SCI_NL__OPNPDE20080921_202451_000044072072_00186_34308_7550.N1	21SEP2008 20:24:51	21SEP2008 21:38:18	0	0	0	0	0
14	SCI_NL__OPNPDE20080921_213734_000061172072_00186_34308_7551.N1	21SEP2008 21:37:34	21SEP2008 23:19:30	0	0	0	0	0
15	SCI_NL__OPNPDE20080921_231930_000061352072_00187_34309_7552.N1	21SEP2008 23:19:30	22SEP2008 01:01:45	0	0	0	0	0

0.2 Product Quality Indicators

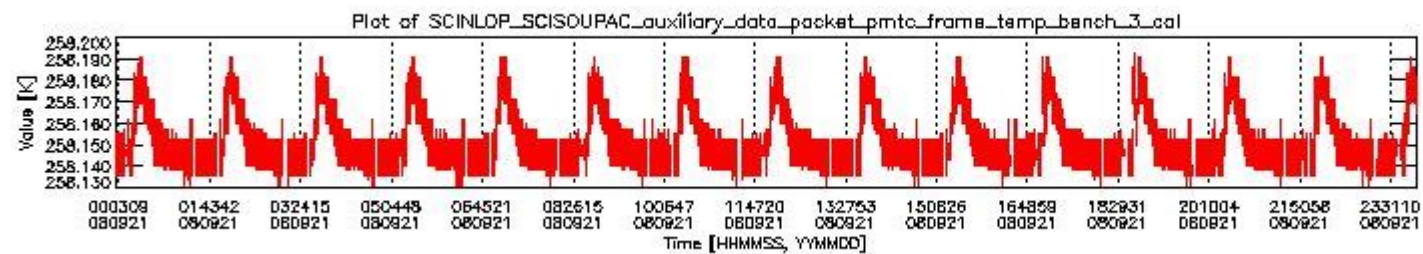
This section shows information about product quality, currently temperatures.



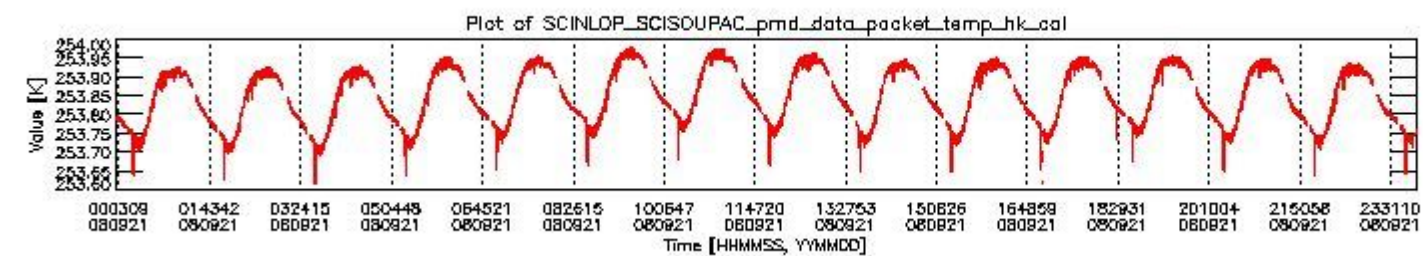
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080921_0.PNG



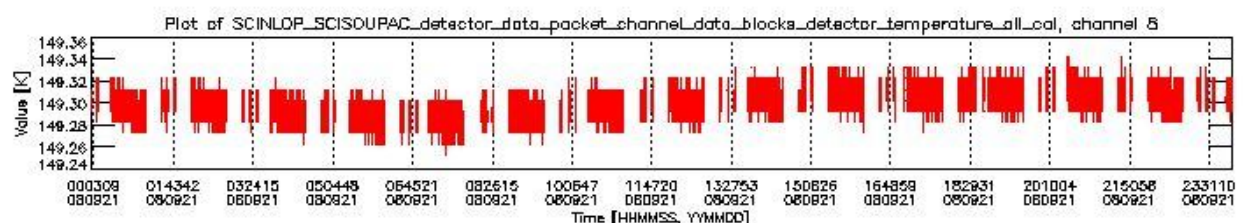
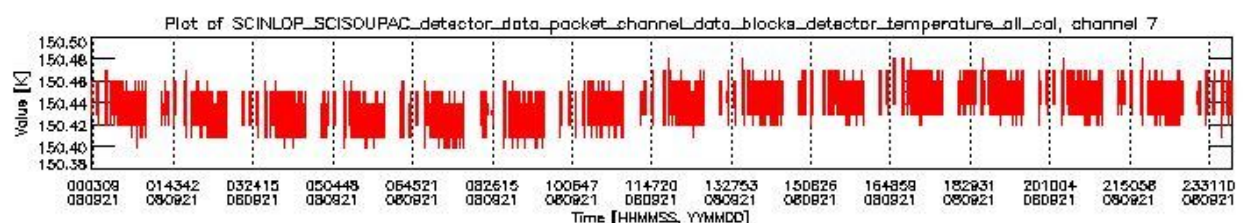
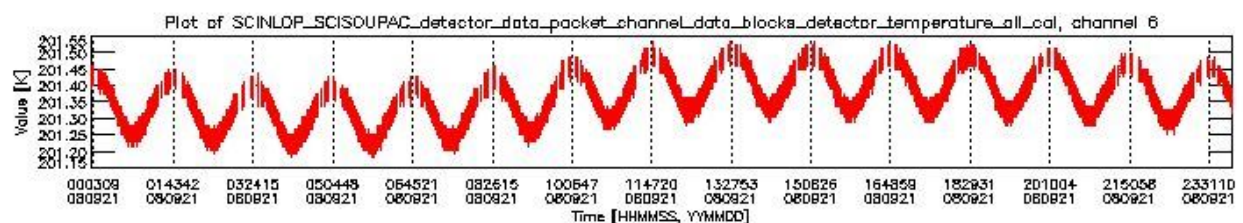
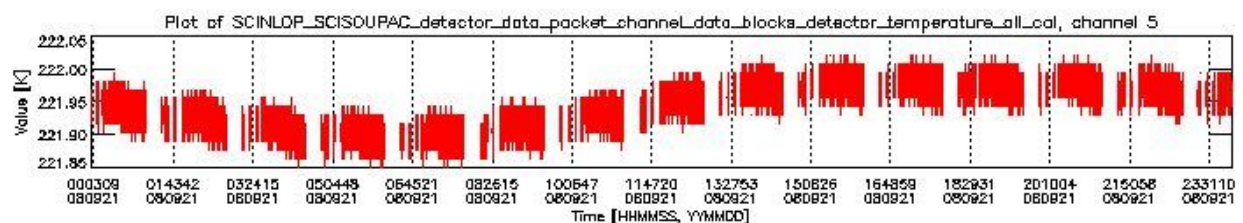
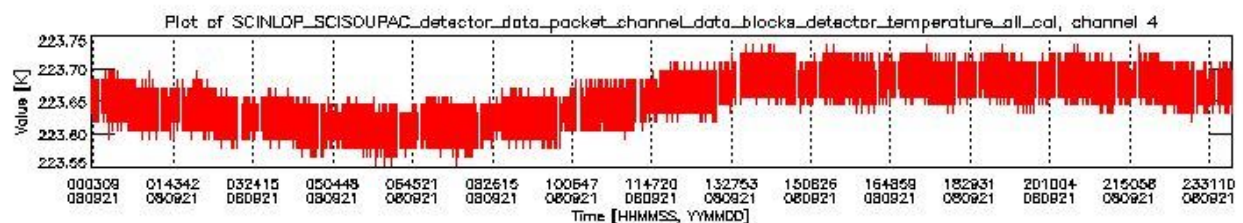
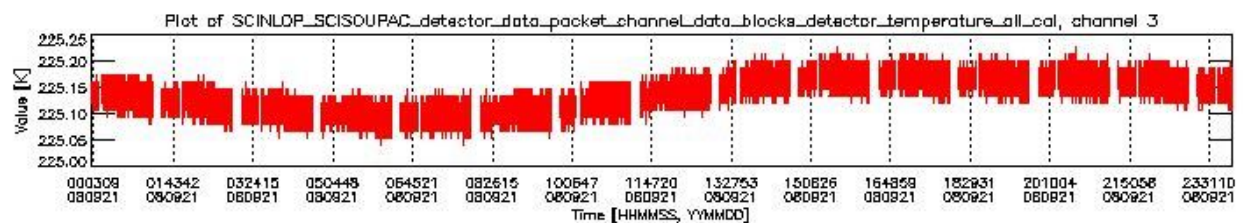
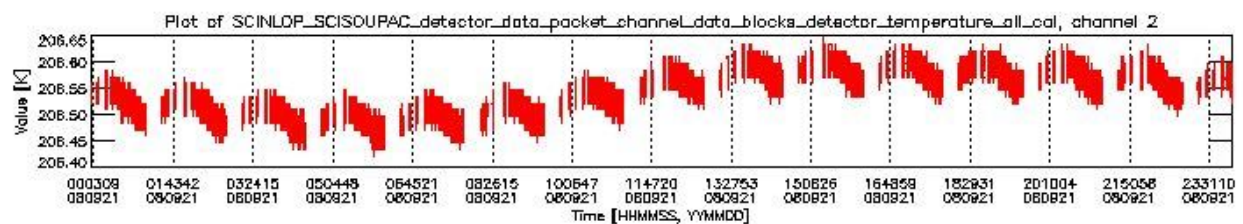
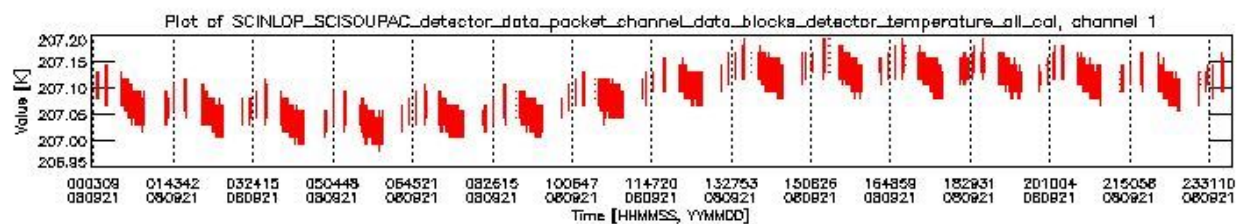
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080921_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080921_3.PNG

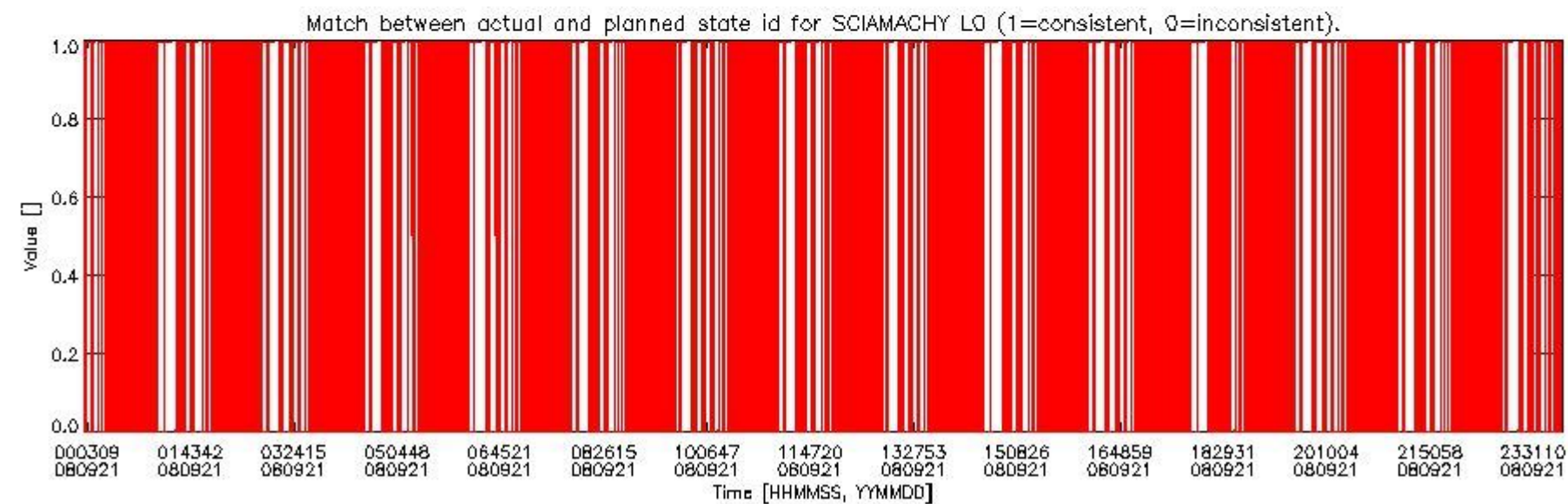
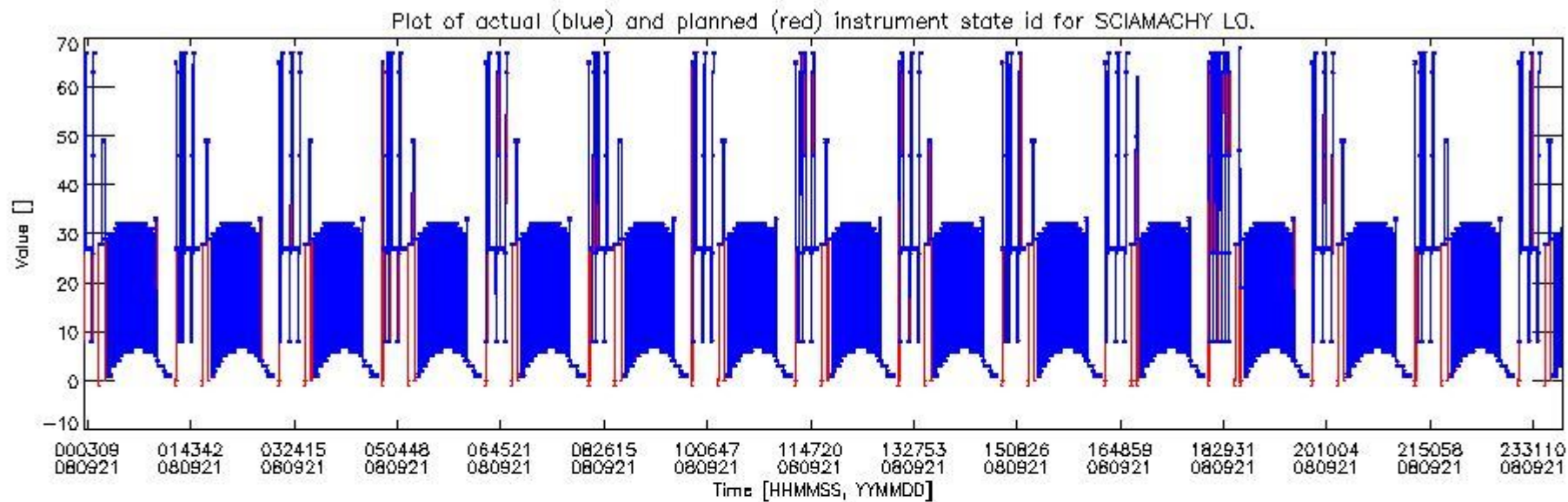


0.3 State monitoring

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: **49755**

#	Actual time	Actual value	Planned time	Planned value
0	21SEP2008 00:00:20.783190	67	21SEP2008 00:00:20.783190	63
1	21SEP2008 00:00:21.033159	67	21SEP2008 00:00:21.033159	63
2	21SEP2008 00:00:21.158163	67	21SEP2008 00:00:21.158163	63
3	21SEP2008 00:00:21.283168	67	21SEP2008 00:00:21.283168	63
4	21SEP2008 00:00:21.408172	67	21SEP2008 00:00:21.408172	63
5	21SEP2008 00:00:21.533176	67	21SEP2008 00:00:21.533176	63
6	21SEP2008 00:00:21.658181	67	21SEP2008 00:00:21.658181	63
7	21SEP2008 00:00:21.783185	67	21SEP2008 00:00:21.783185	63
8	21SEP2008 00:00:21.908189	67	21SEP2008 00:00:21.908189	63
9	21SEP2008 00:00:22.033153	67	21SEP2008 00:00:22.033153	63
10	21SEP2008 00:00:22.158158	67	21SEP2008 00:00:22.158158	63
11	21SEP2008 00:00:22.283162	67	21SEP2008 00:00:22.283162	63
12	21SEP2008 00:00:22.408167	67	21SEP2008 00:00:22.408167	63
13	21SEP2008 00:00:22.533171	67	21SEP2008 00:00:22.533171	63
14	21SEP2008 00:00:22.658175	67	21SEP2008 00:00:22.658175	63
15	21SEP2008 00:00:22.783180	67	21SEP2008 00:00:22.783180	63
16	21SEP2008 00:00:22.908184	67	21SEP2008 00:00:22.908184	63
17	21SEP2008 00:00:23.033188	67	21SEP2008 00:00:23.033188	63
18	21SEP2008 00:00:23.158152	67	21SEP2008 00:00:23.158152	63
19	21SEP2008 00:00:23.283157	67	21SEP2008 00:00:23.283157	63
...

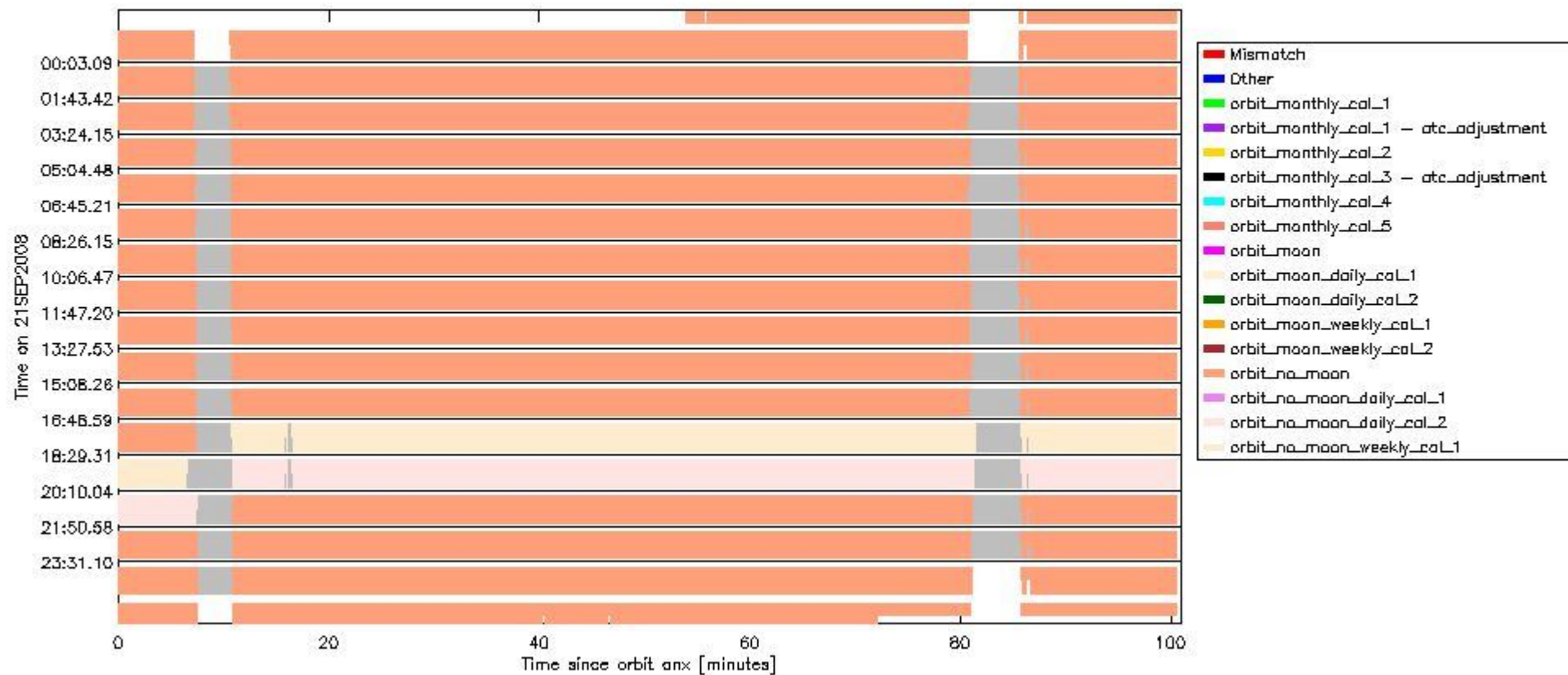


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080921_5.PNG

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 21SEP2008.
 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_20080921_6.PNG

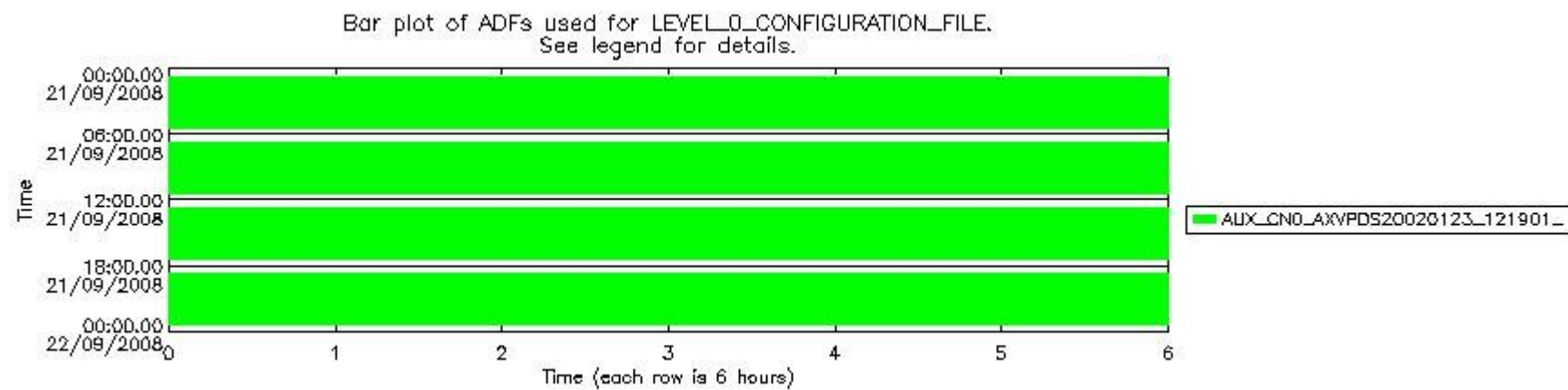
0.4 ADF monitoring

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

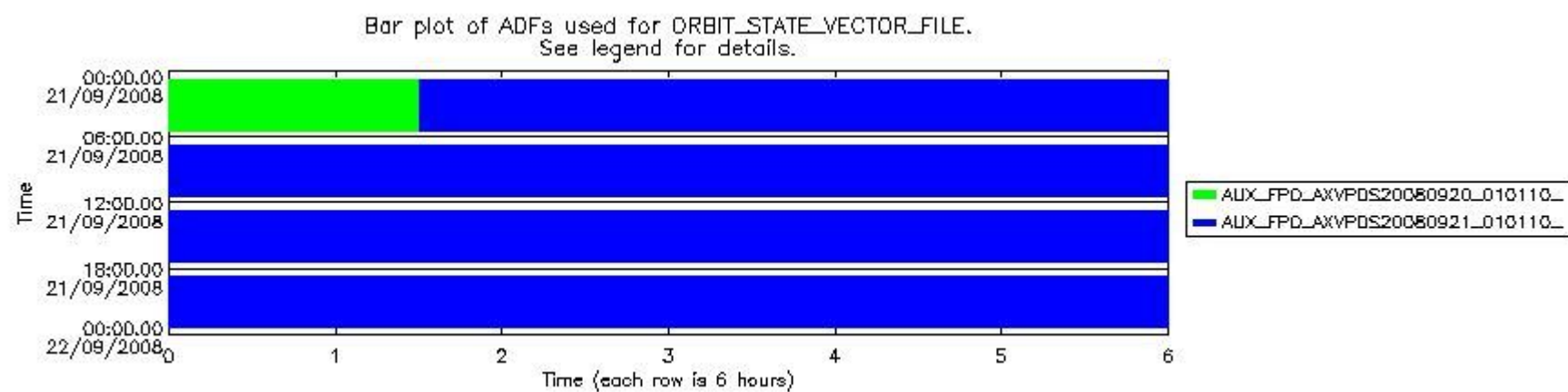
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

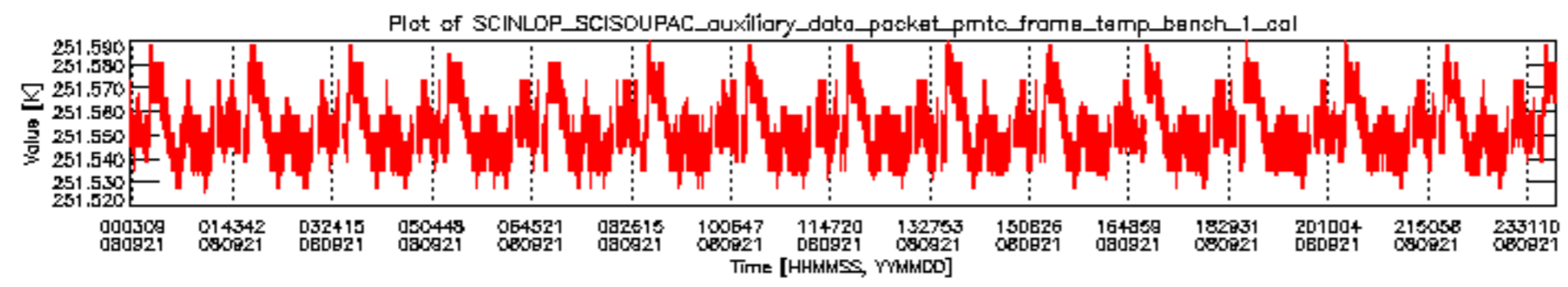
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080920_010110_20080919_193254_20080929_205908
2	AUX_FPO_AXVPDS20080921_010110_20080920_190117_20080930_202731

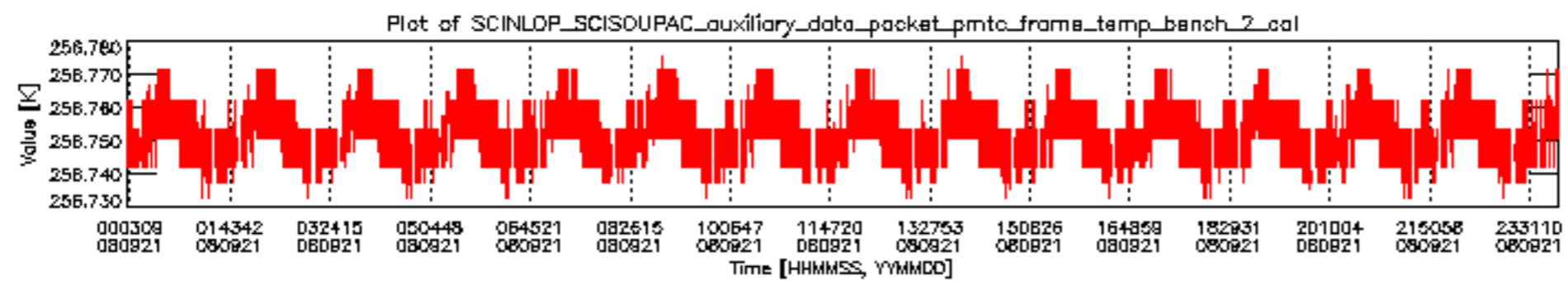


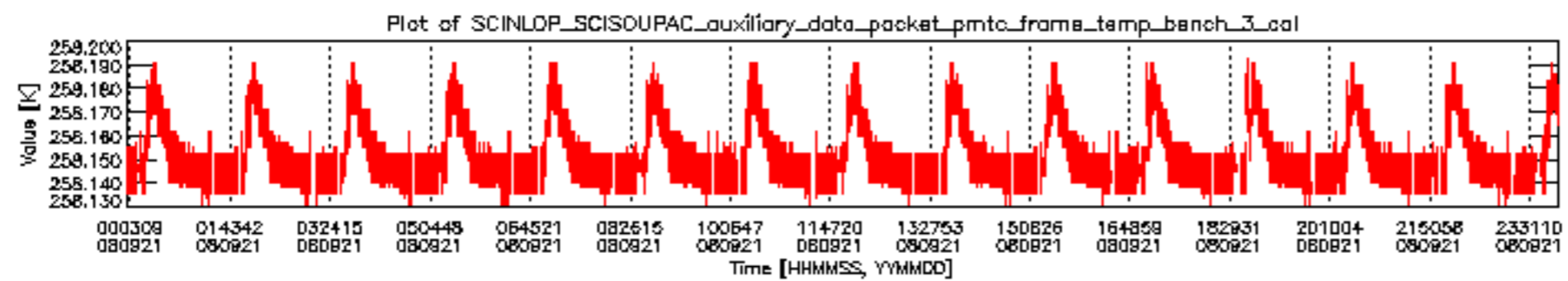
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080921_7.PNG

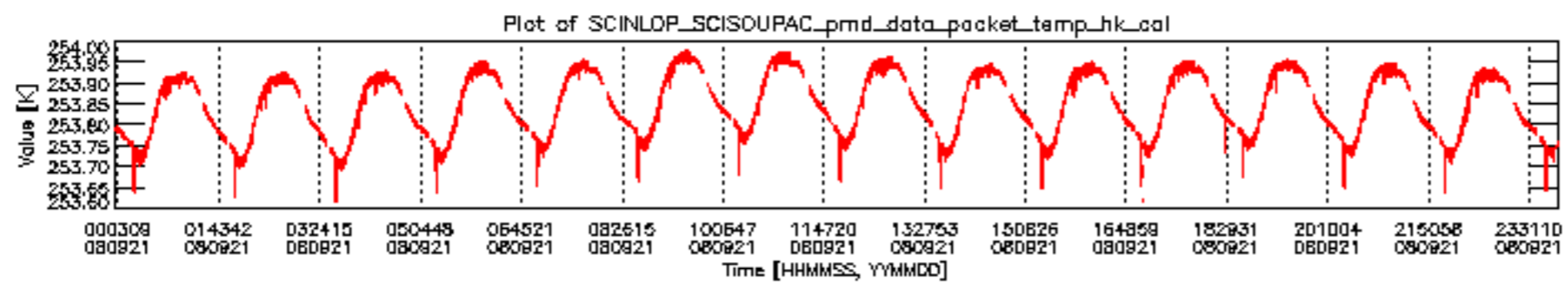


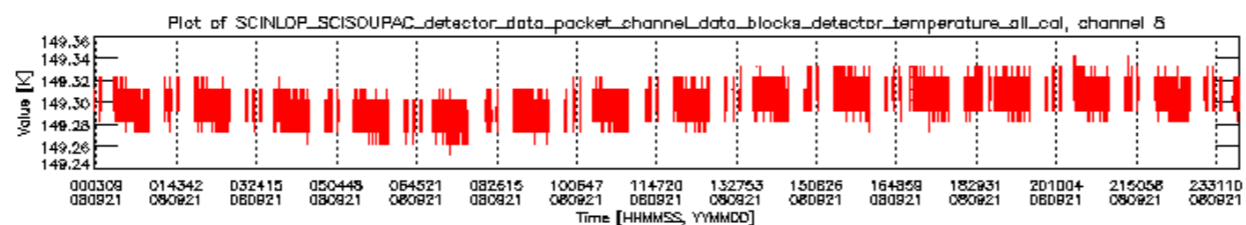
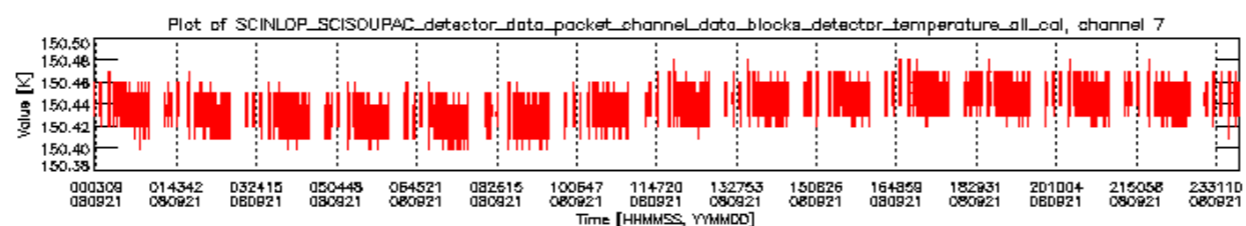
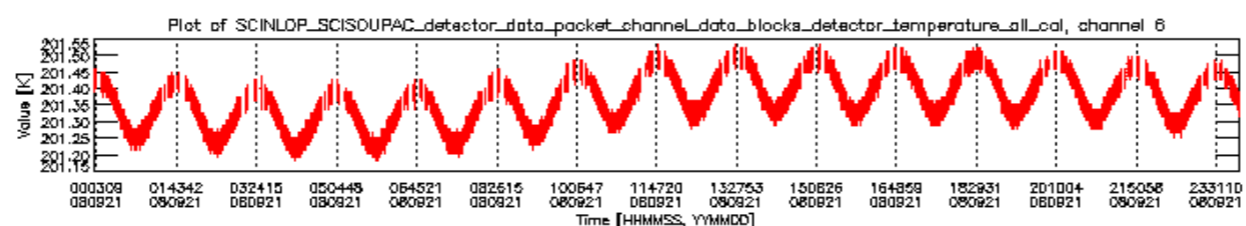
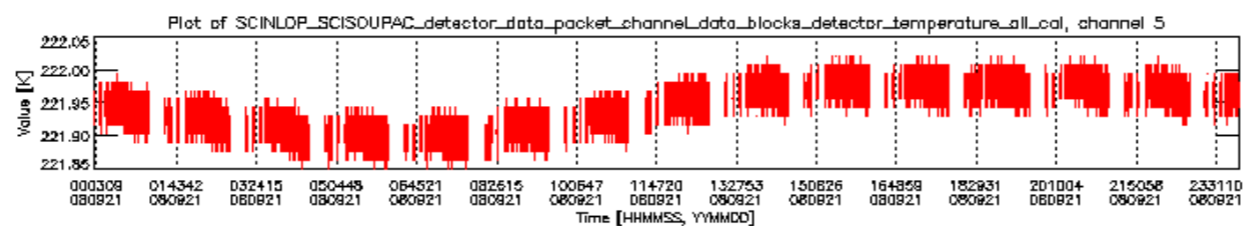
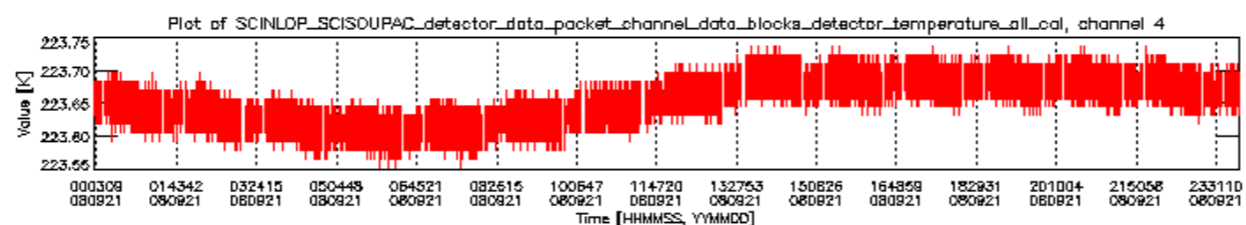
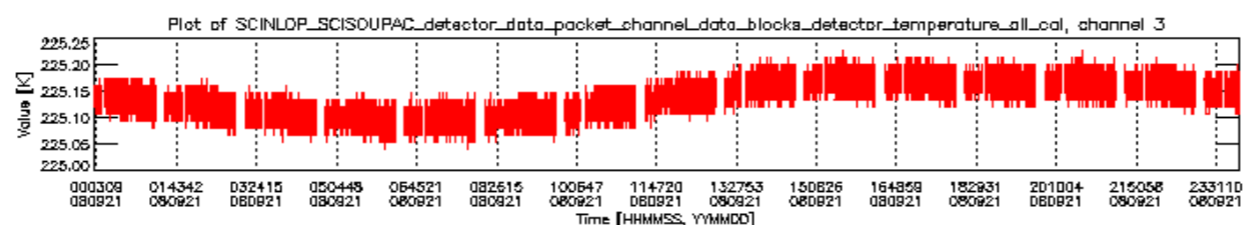
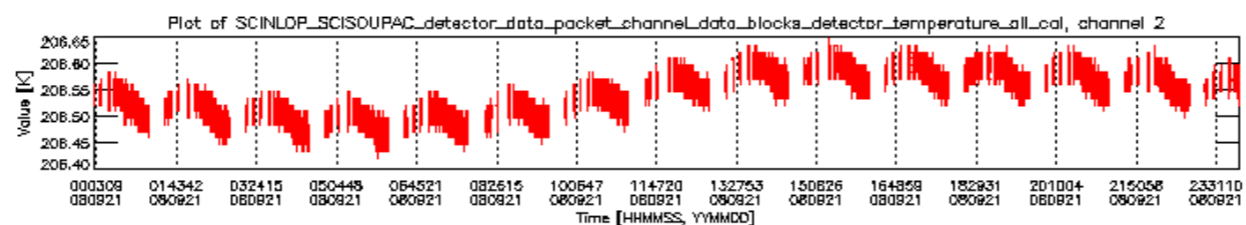
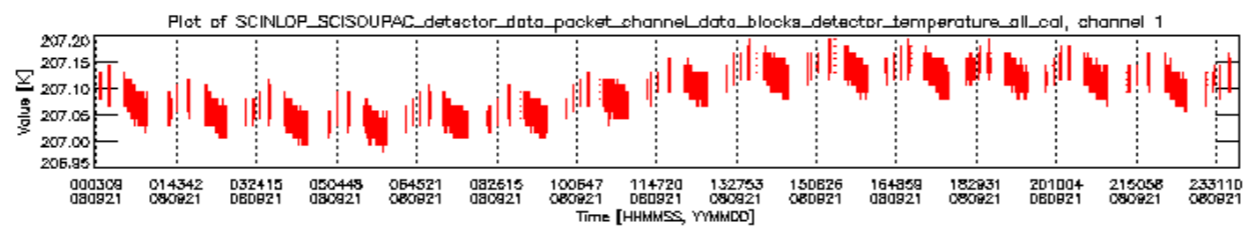
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080921_8.PNG











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