

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	25FEB2009 05:00:53
Data source version	KSPT_L0/4303-N
Processing scope for products	21FEB2009 00:00:00 to 22FEB2009 00:00:00
Start time of first product within scope	20FEB2009 23:43:46
Stop time of last product within scope	22FEB2009 00:52:37
Total number of level 0 products	16
Number of level 0 products with errors	0

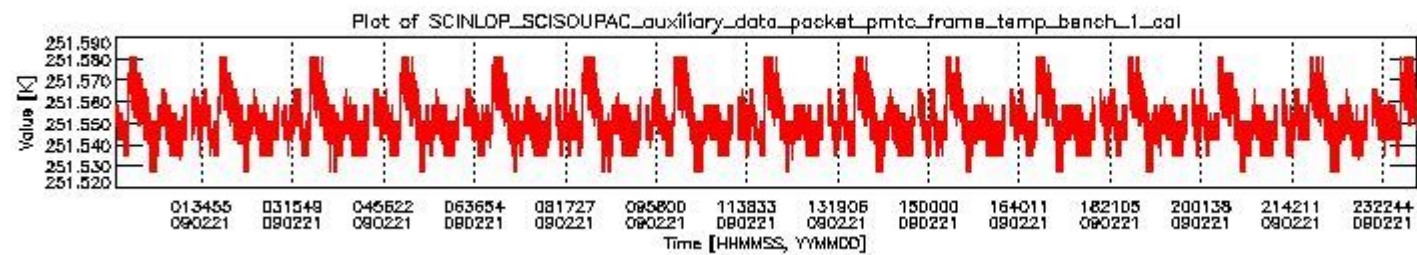
0.1.2 Summary per product

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

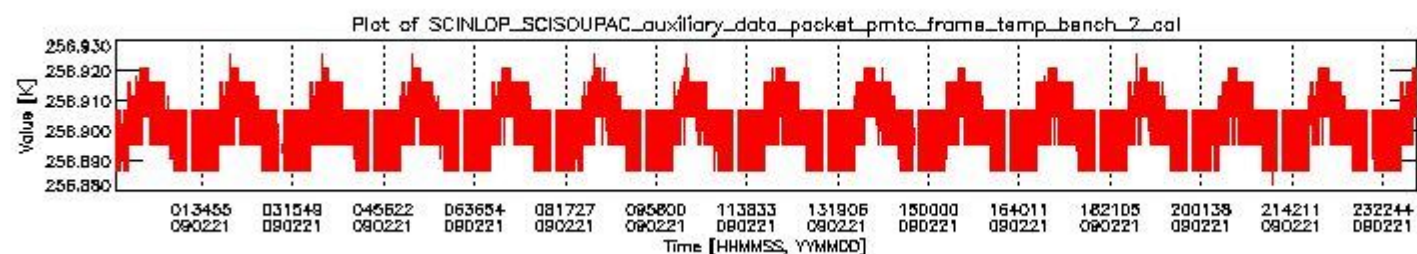
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090220_234346_000055972076_00359_36485_8533.N1	20FEB2009 23:43:46	21FEB2009 01:17:04	0	0	0	0	0
1	SCI_NL__OPNPDE20090221_012422_000045262076_00360_36486_8534.N1	21FEB2009 01:24:22	21FEB2009 02:39:48	0	0	0	0	0
2	SCI_NL__OPNPDE20090221_023852_000057872076_00361_36487_8535.N1	21FEB2009 02:38:52	21FEB2009 04:15:18	0	0	0	0	0
3	SCI_NL__OPNPDE20090221_041422_000060232076_00362_36488_8536.N1	21FEB2009 04:14:22	21FEB2009 05:54:45	0	0	0	0	0
4	SCI_NL__OPNPDK20090221_055445_000041822076_00363_36489_0775.N1	21FEB2009 05:54:45	21FEB2009 07:04:27	0	0	0	0	0
5	SCI_NL__OPNPDK20090221_070223_000062162076_00364_36490_0776.N1	21FEB2009 07:02:23	21FEB2009 08:45:58	0	0	0	0	0
6	SCI_NL__OPNPDK20090221_084450_000060482076_00365_36491_0777.N1	21FEB2009 08:44:50	21FEB2009 10:25:38	0	0	0	0	0
7	SCI_NL__OPNPDK20090221_102429_000060912076_00366_36492_0778.N1	21FEB2009 10:24:29	21FEB2009 12:06:01	0	0	0	0	0
8	SCI_NL__OPNPDK20090221_120356_000060482076_00367_36493_0779.N1	21FEB2009 12:03:56	21FEB2009 13:44:44	0	0	0	0	0
9	SCI_NL__OPNPDK20090221_134336_000059112076_00368_36494_0780.N1	21FEB2009 13:43:36	21FEB2009 15:22:07	0	0	0	0	0
10	SCI_NL__OPNPDK20090221_152015_000058422076_00369_36495_0781.N1	21FEB2009 15:20:15	21FEB2009 16:57:37	0	0	0	0	0
11	SCI_NL__OPNPDK20090221_165737_000060362076_00370_36496_0782.N1	21FEB2009 16:57:37	21FEB2009 18:38:12	0	0	0	0	0
12	SCI_NL__OPNPDK20090221_183619_000061482076_00371_36497_0783.N1	21FEB2009 18:36:19	21FEB2009 20:18:48	0	0	0	0	0
13	SCI_NL__OPNPDE20090221_201751_000040072076_00372_36498_8537.N1	21FEB2009 20:17:51	21FEB2009 21:24:38	0	0	0	0	0
14	SCI_NL__OPNPDE20090221_213127_000055852076_00372_36498_8538.N1	21FEB2009 21:31:27	21FEB2009 23:04:32	0	0	0	0	0
15	SCI_NL__OPNPDE20090221_231202_000060352076_00373_36499_8539.N1	21FEB2009 23:12:02	22FEB2009 00:52:37	0	0	0	0	0

0.2 Product Quality Indicators

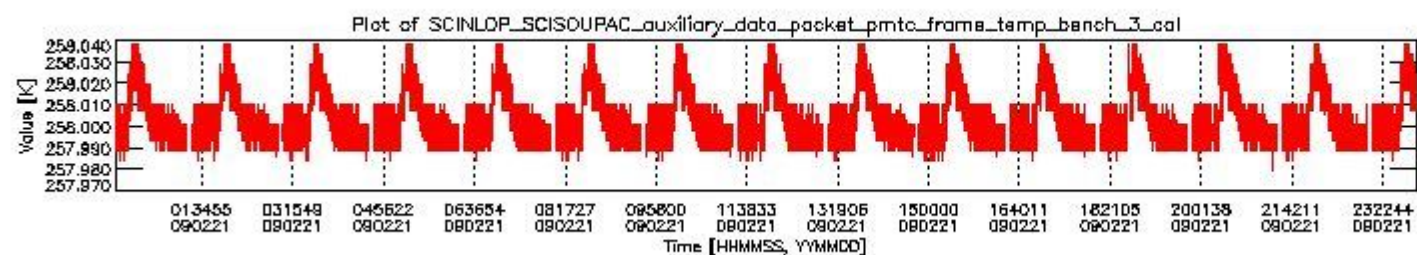
This section shows information about product quality, currently temperatures.



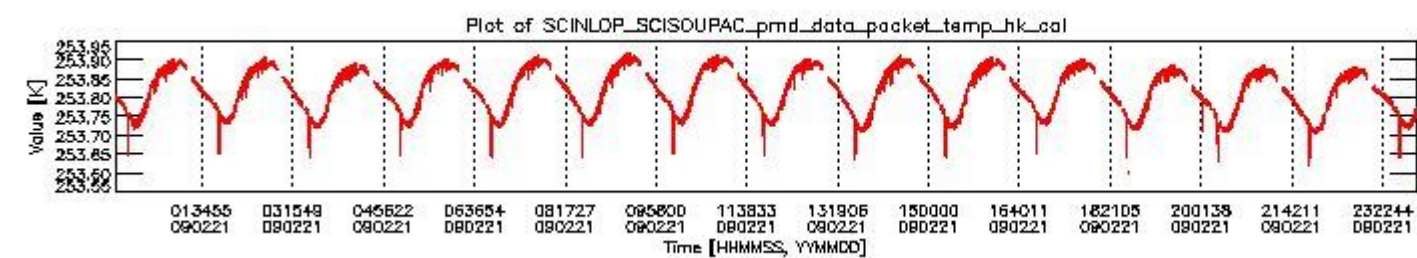
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090221_0.PNG



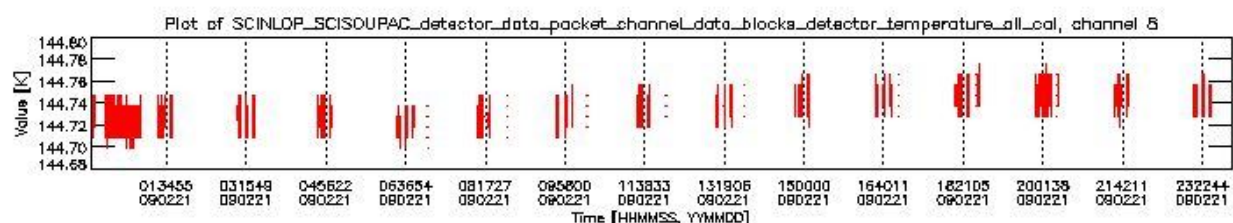
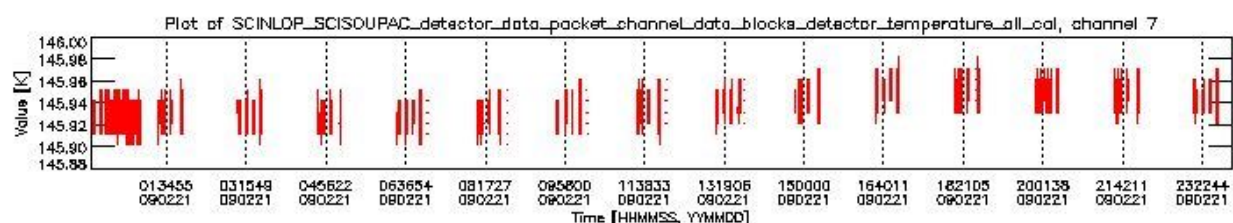
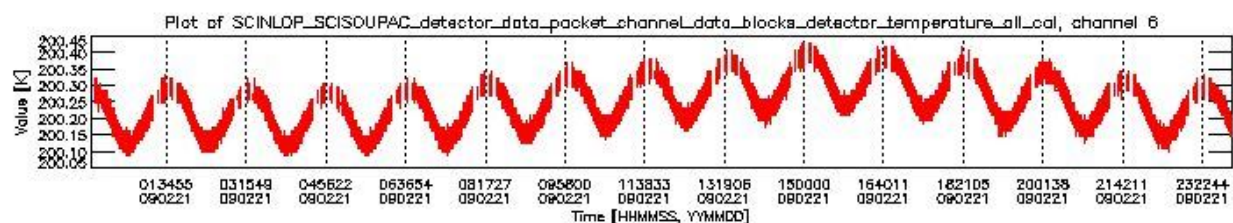
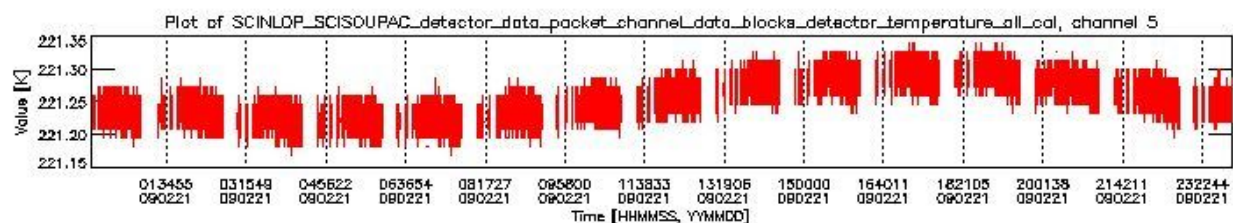
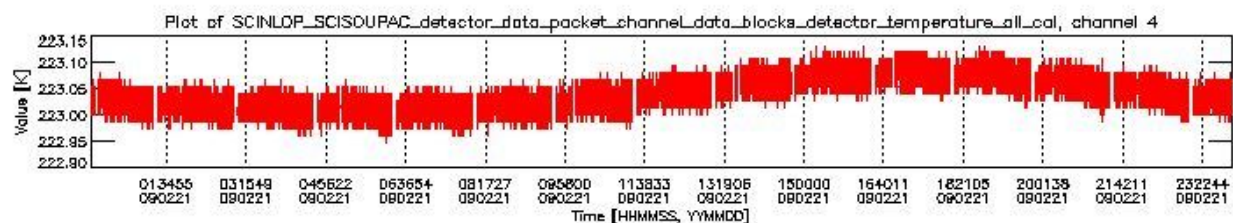
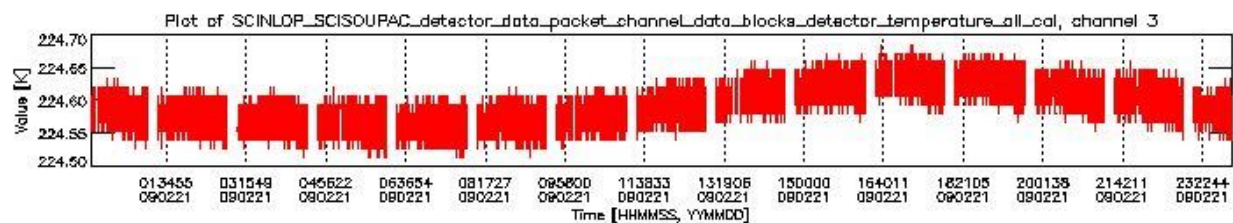
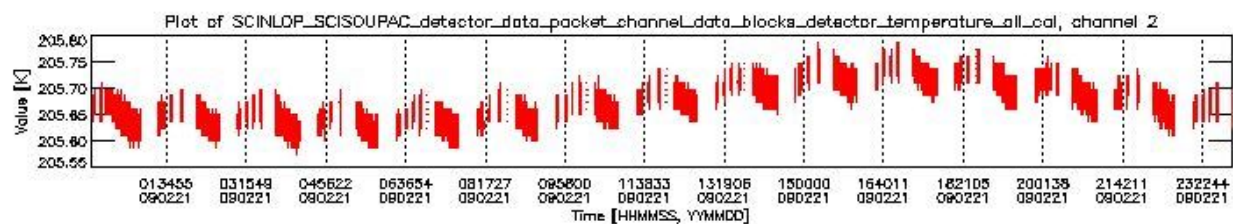
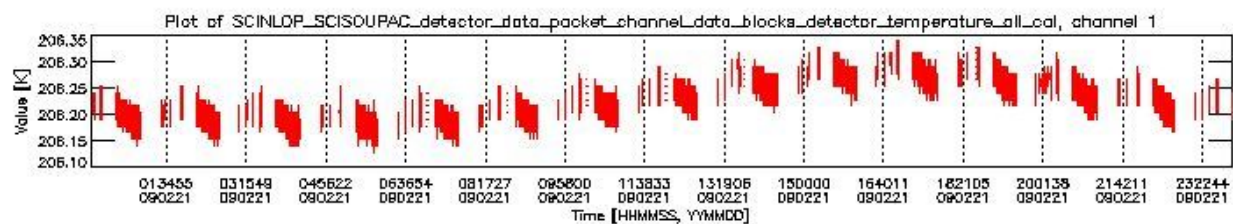
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090221_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090221_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090221_3.PNG

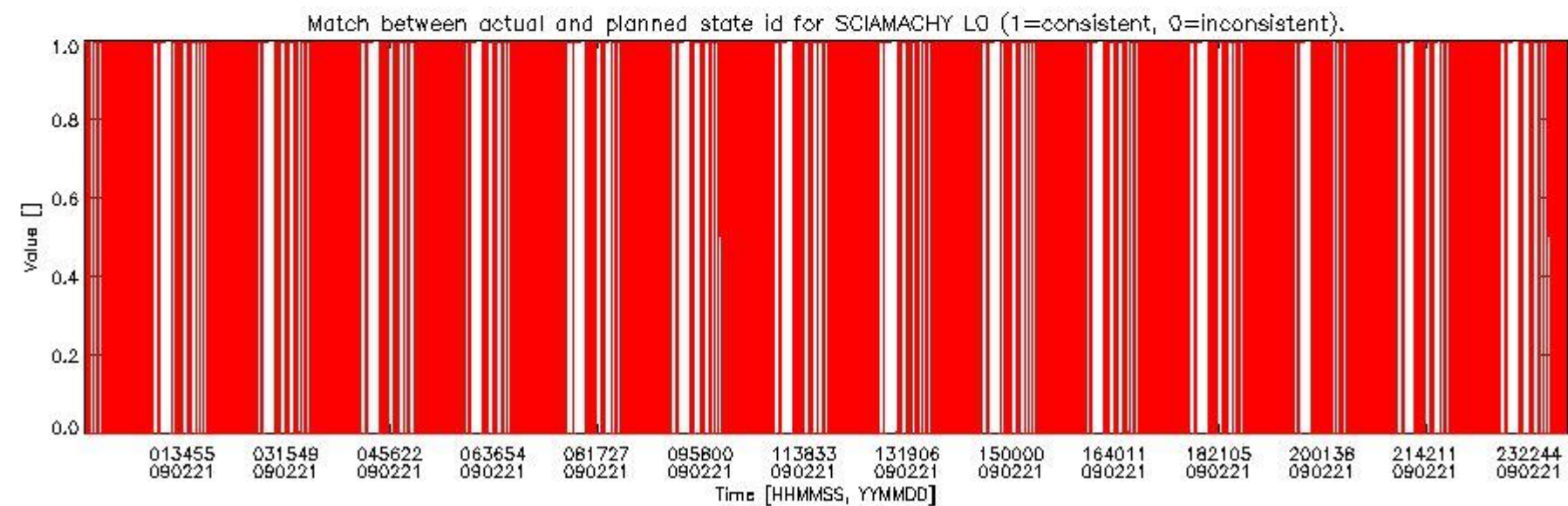
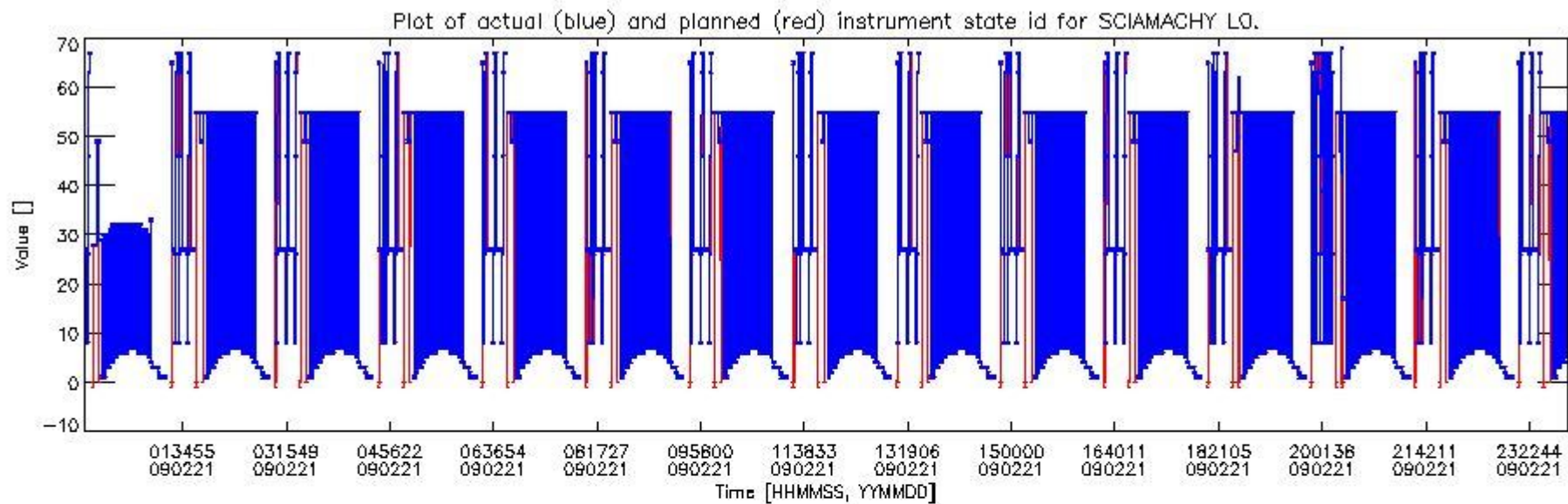


0.3 State monitoring

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: **48166**

#	Actual time	Actual value	Planned time	Planned value
0	21FEB2009 00:02:27.227445	8	21FEB2009 00:02:27.227445	27
1	21FEB2009 00:02:28.352444	8	21FEB2009 00:02:28.352444	27
2	21FEB2009 00:02:29.352479	8	21FEB2009 00:02:29.352479	27
3	21FEB2009 00:02:30.352474	8	21FEB2009 00:02:30.352474	27
4	21FEB2009 00:02:31.352468	8	21FEB2009 00:02:31.352468	27
5	21FEB2009 00:02:32.227458	8	21FEB2009 00:02:32.227458	27
6	21FEB2009 00:02:32.352463	8	21FEB2009 00:02:32.352463	27
7	21FEB2009 00:02:33.352457	8	21FEB2009 00:02:33.352457	27
8	21FEB2009 00:02:34.352452	8	21FEB2009 00:02:34.352452	27
9	21FEB2009 00:02:35.352446	8	21FEB2009 00:02:35.352446	27
10	21FEB2009 00:02:36.352441	8	21FEB2009 00:02:36.352441	27
11	21FEB2009 00:02:37.227471	8	21FEB2009 00:02:37.227471	27
12	21FEB2009 00:02:37.352476	8	21FEB2009 00:02:37.352476	27
13	21FEB2009 00:03:10.786050	26	21FEB2009 00:03:10.786050	8
14	21FEB2009 00:03:11.411072	26	21FEB2009 00:03:11.411072	8
15	21FEB2009 00:03:11.911049	26	21FEB2009 00:03:11.911049	8
16	21FEB2009 00:03:12.411067	26	21FEB2009 00:03:12.411067	8
17	21FEB2009 00:03:12.911044	26	21FEB2009 00:03:12.911044	8
18	21FEB2009 00:03:13.411061	26	21FEB2009 00:03:13.411061	8
19	21FEB2009 00:03:13.911079	26	21FEB2009 00:03:13.911079	8

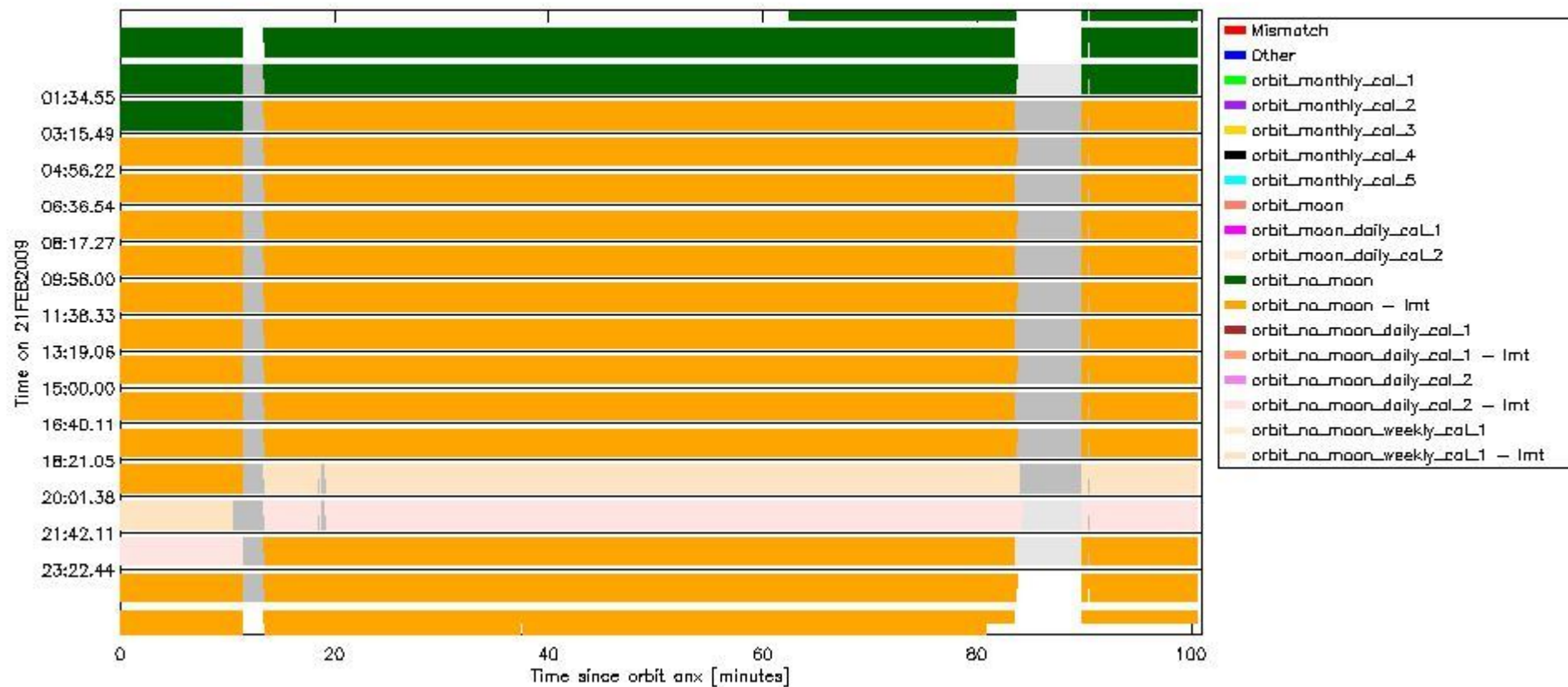


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090221_5.PNG

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 21FEB2009.
 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_20090221_6.PNG

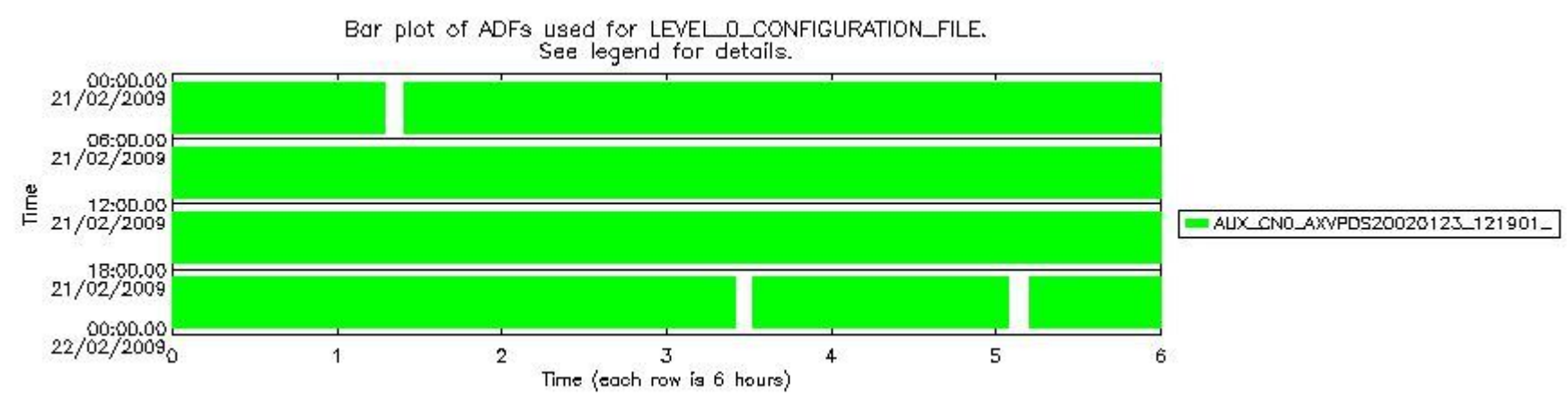
0.4 ADF monitoring

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

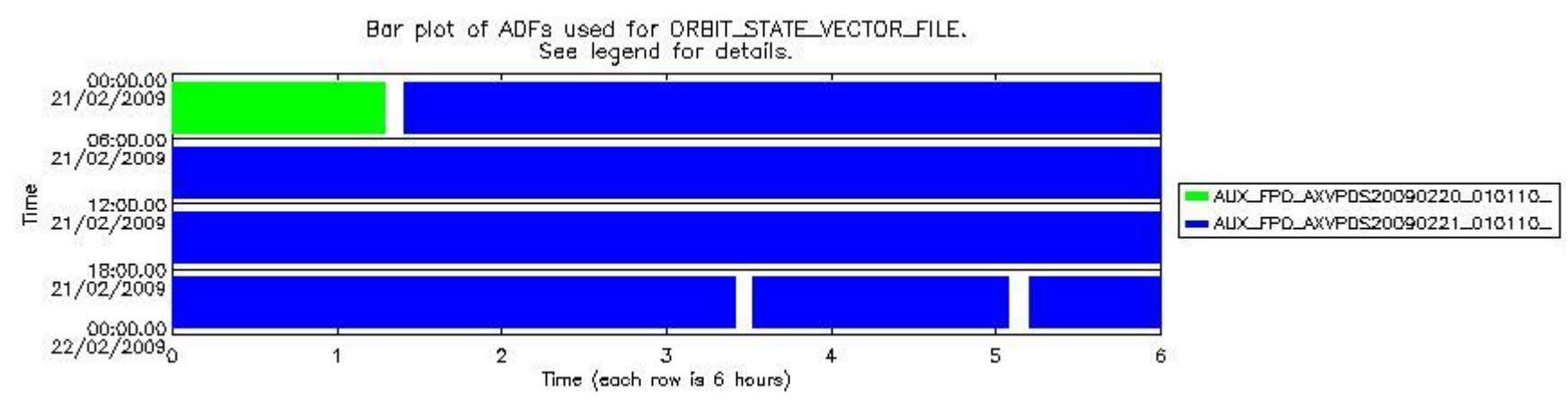
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

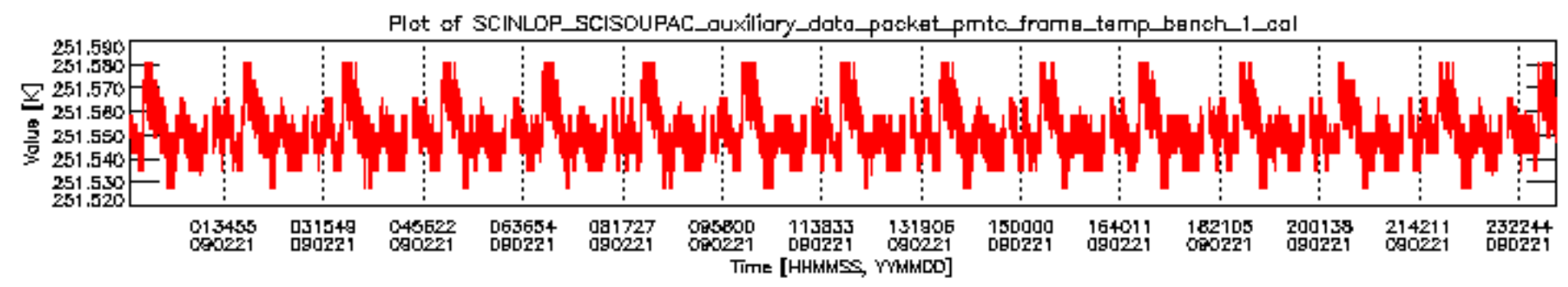
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090220_010110_20090219_192416_20090301_205029
2	AUX_FPO_AXVPDS20090221_010110_20090220_185239_20090302_201852

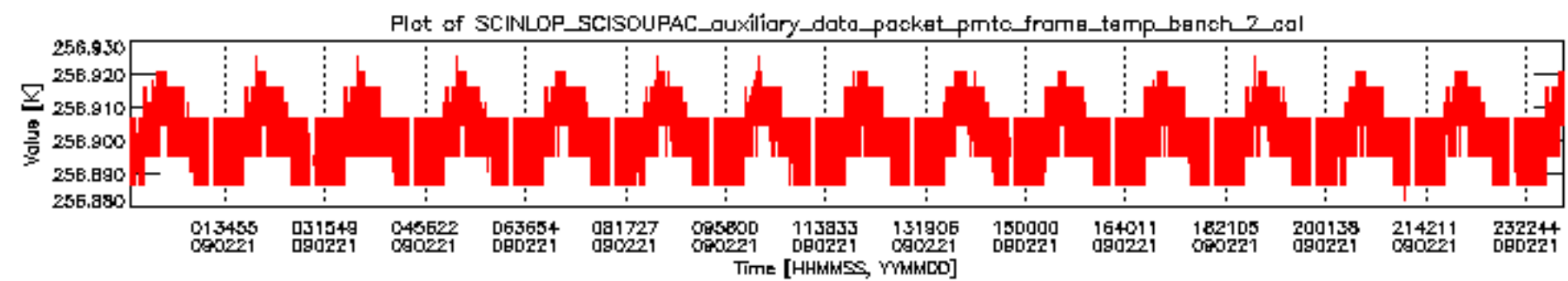


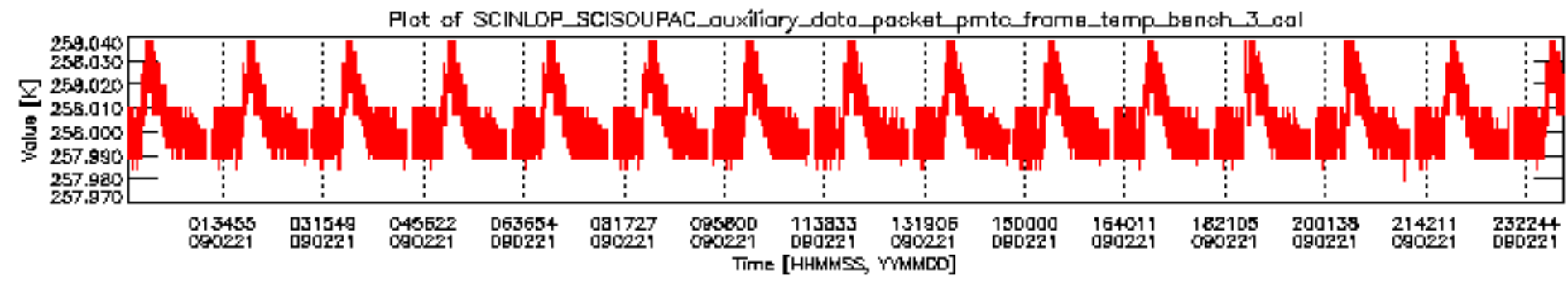
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090221_7.PNG

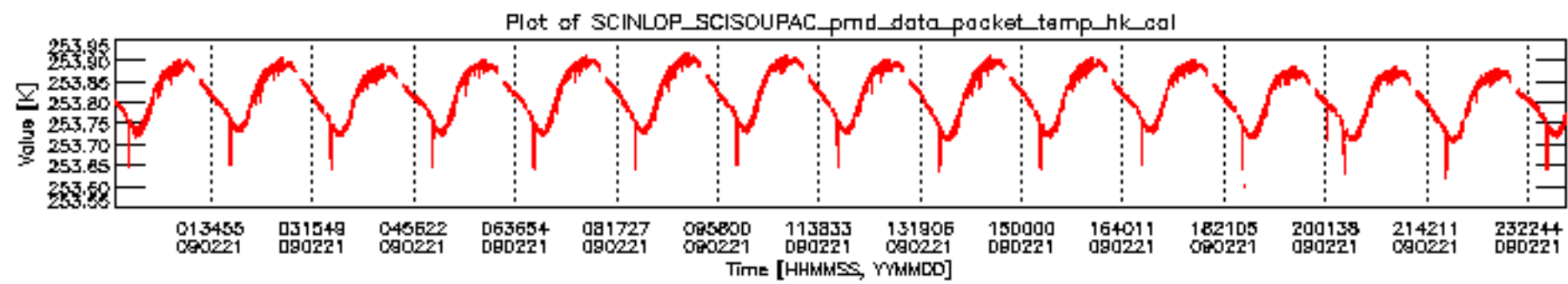


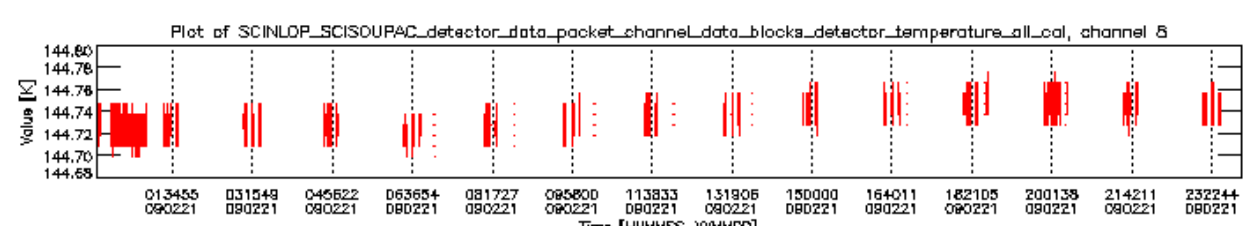
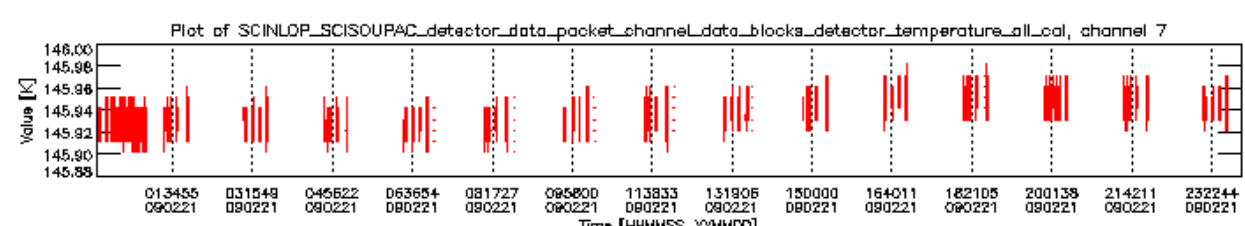
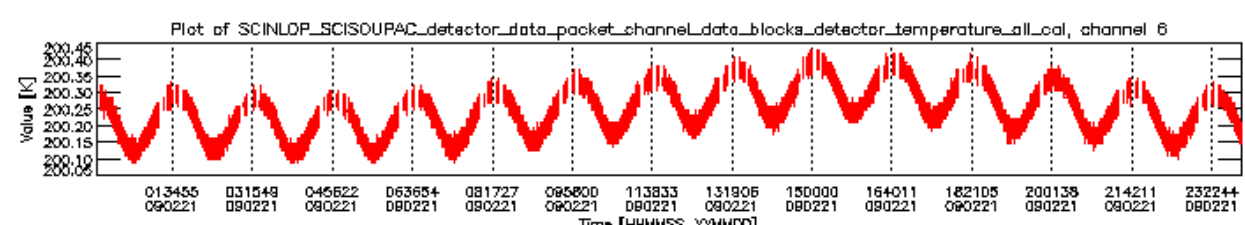
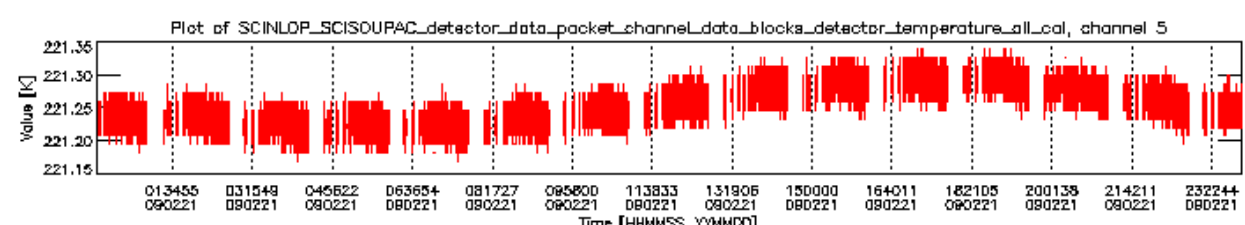
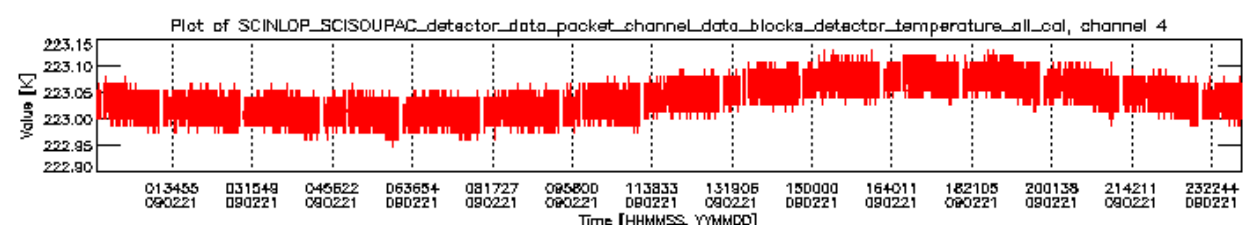
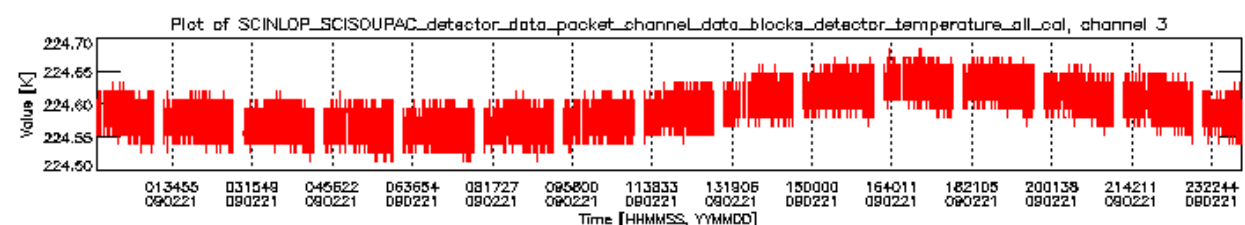
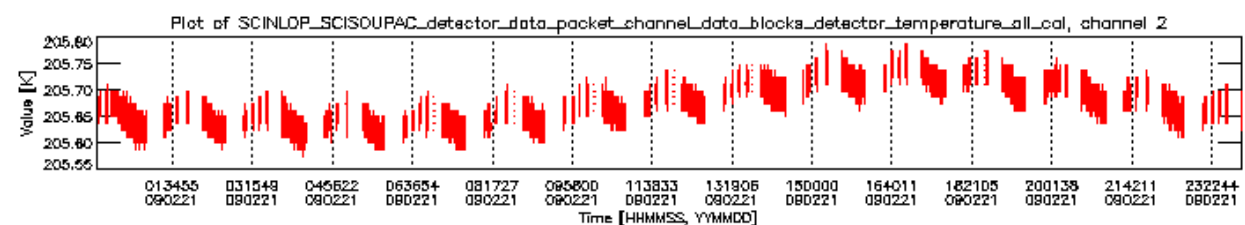
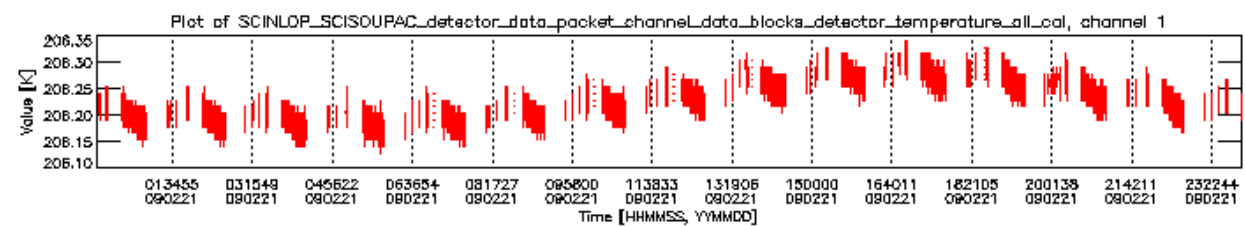
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090221_8.PNG











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