

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	03AUG2008 05:25:51
Data source version	KSPT_L0/4303-N
Processing scope for products	30JUL2008 00:00:00 to 31JUL2008 00:00:00
Start time of first product within scope	29JUL2008 23:15:03
Stop time of last product within scope	31JUL2008 00:25:27
Total number of level 0 products	16
Number of level 0 products with errors	0

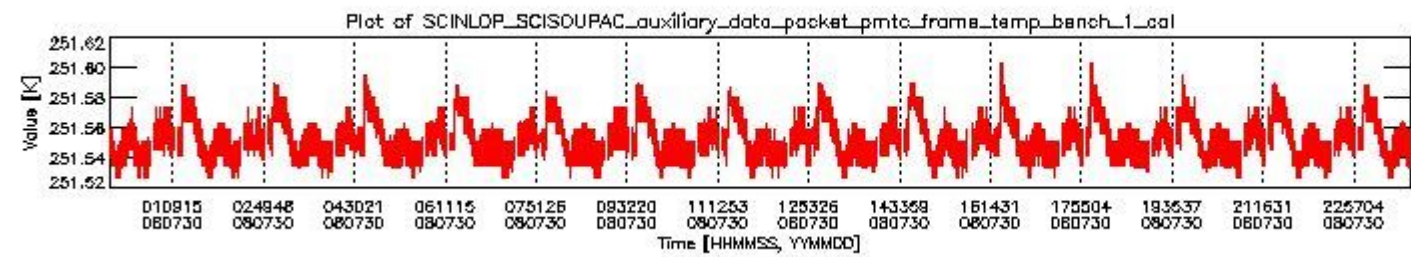
0.1.2 Summary per product

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

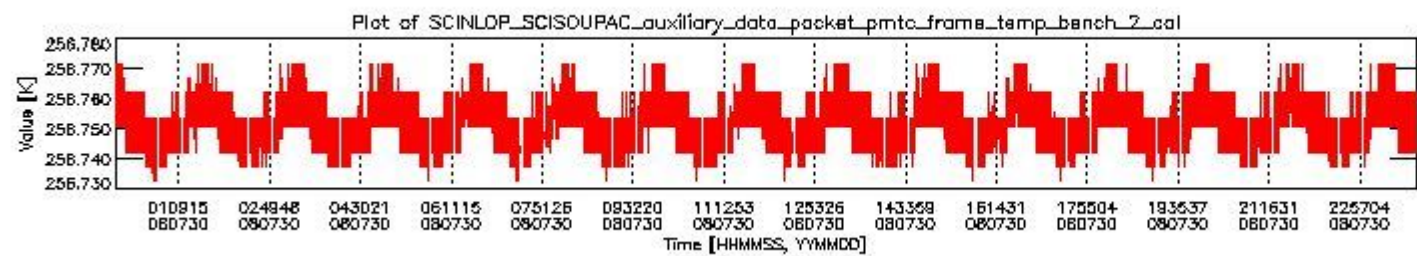
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080729_231503_000061162070_00416_33536_7208.N1	29JUL2008 23:15:03	30JUL2008 00:56:59	0	0	0	0	0
1	SCI_NL__OPNPDE20080730_005659_000045642070_00417_33537_7209.N1	30JUL2008 00:56:59	30JUL2008 02:13:03	0	0	0	0	0
2	SCI_NL__OPNPDE20080730_021303_000058562070_00418_33538_7210.N1	30JUL2008 02:13:03	30JUL2008 03:50:39	0	0	0	0	0
3	SCI_NL__OPNPDE20080730_035039_000060242070_00419_33539_7211.N1	30JUL2008 03:50:39	30JUL2008 05:31:02	0	0	0	0	0
4	SCI_NL__OPNPDE20080730_053102_000061052070_00420_33540_7212.N1	30JUL2008 05:31:02	30JUL2008 07:12:47	0	0	0	0	0
5	SCI_NL__OPNPDK20080730_071151_000040332070_00421_33541_8901.N1	30JUL2008 07:11:51	30JUL2008 08:19:04	0	0	0	0	0
6	SCI_NL__OPNPDK20080730_081808_000061612070_00422_33542_8902.N1	30JUL2008 08:18:08	30JUL2008 10:00:49	0	0	0	0	0
7	SCI_NL__OPNPDK20080730_100049_000059122070_00423_33543_8903.N1	30JUL2008 10:00:49	30JUL2008 11:39:20	0	0	0	0	0
8	SCI_NL__OPNPDK20080730_113920_000060362070_00424_33544_8904.N1	30JUL2008 11:39:20	30JUL2008 13:19:57	0	0	0	0	0
9	SCI_NL__OPNPDK20080730_131957_000059122070_00425_33545_8905.N1	30JUL2008 13:19:57	30JUL2008 14:58:28	0	0	0	0	0
10	SCI_NL__OPNPDK20080730_145720_000059252070_00426_33546_8906.N1	30JUL2008 14:57:20	30JUL2008 16:36:04	0	0	0	0	0
11	SCI_NL__OPNPDK20080730_163456_000059302070_00427_33547_8907.N1	30JUL2008 16:34:56	30JUL2008 18:13:45	0	0	0	0	0
12	SCI_NL__OPNPDK20080730_181141_000061052070_00428_33548_8908.N1	30JUL2008 18:11:41	30JUL2008 19:53:26	0	0	0	0	0
13	SCI_NL__OPNPDE20080730_195217_000040632070_00429_33549_7213.N1	30JUL2008 19:52:17	30JUL2008 21:00:00	0	0	0	0	0
14	SCI_NL__OPNPDE20080730_205843_000064642070_00429_33549_7214.N1	30JUL2008 20:58:43	30JUL2008 22:46:27	0	0	0	0	0
15	SCI_NL__OPNPDE20080730_224543_000059842070_00430_33550_7215.N1	30JUL2008 22:45:43	31JUL2008 00:25:27	0	0	0	0	0

0.2 Product Quality Indicators

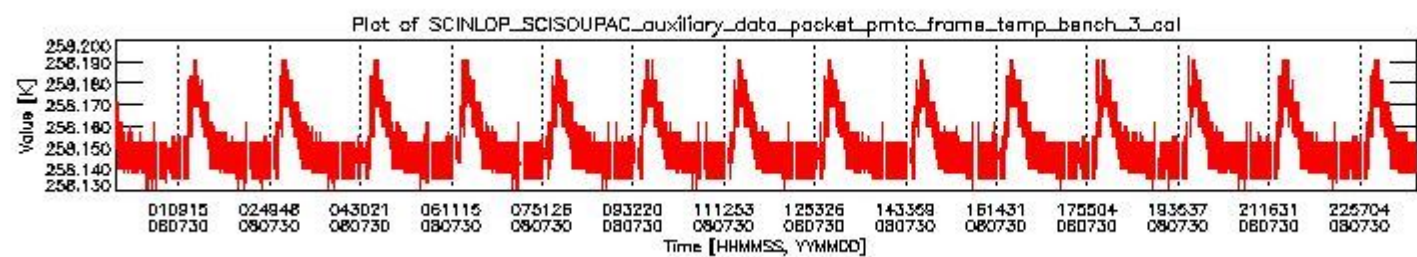
This section shows information about product quality, currently temperatures.



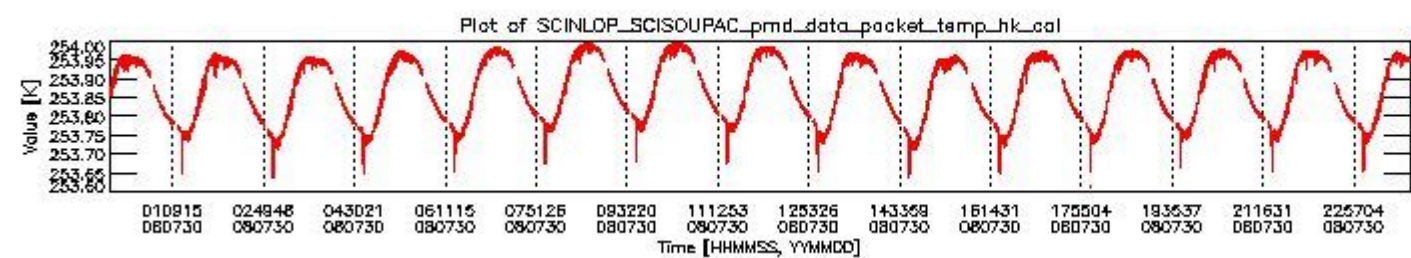
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080730_0.PNG



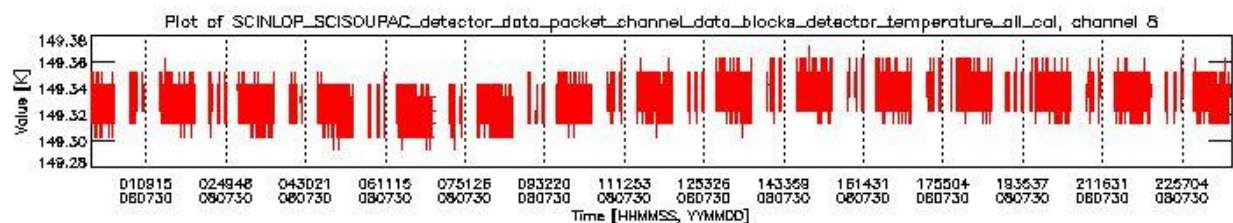
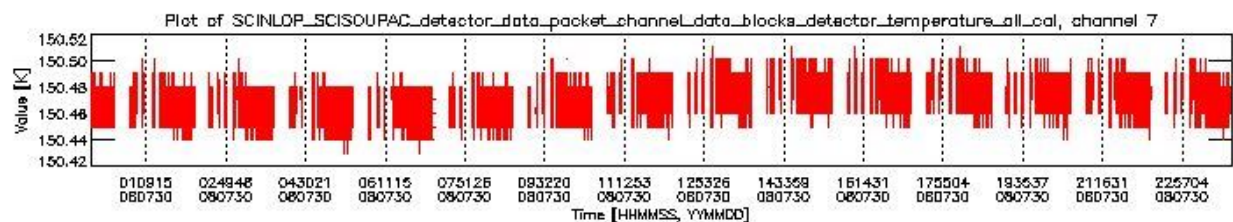
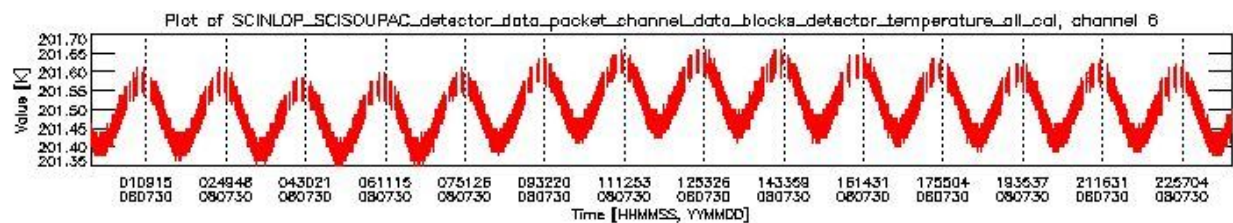
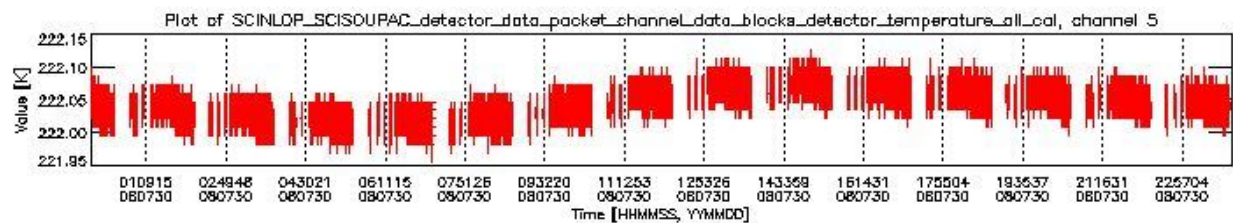
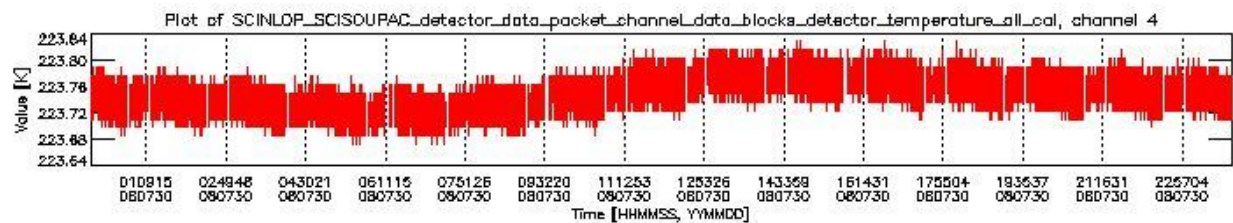
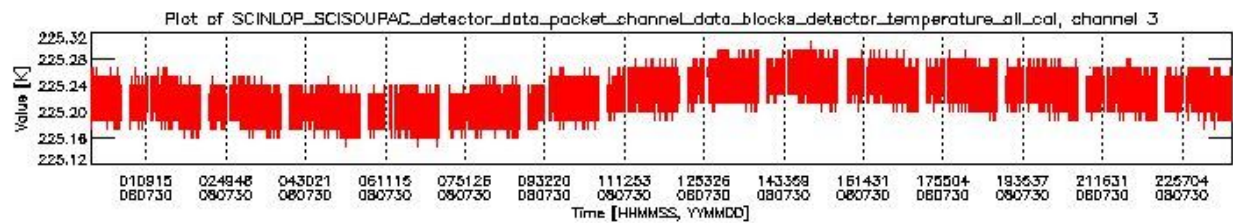
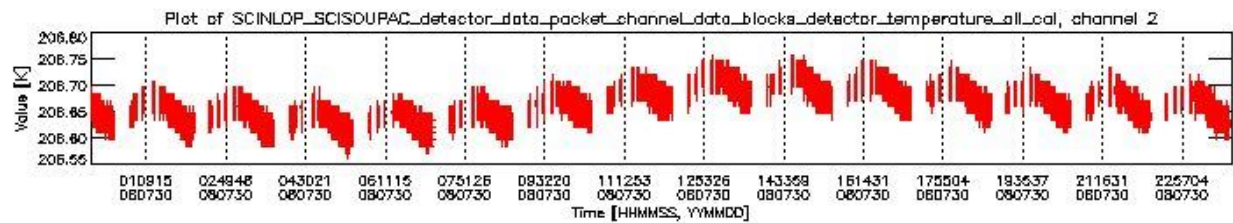
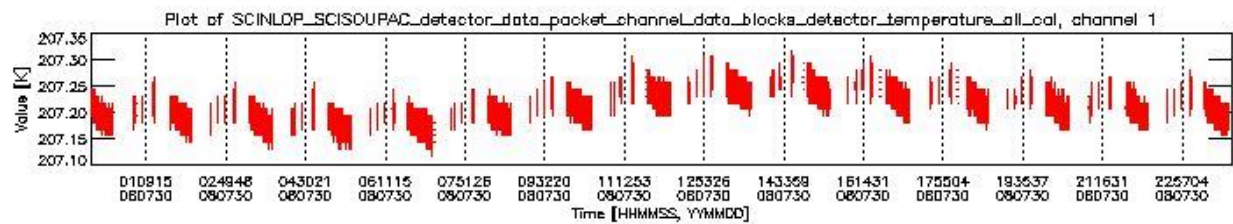
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080730_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080730_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080730_3.PNG

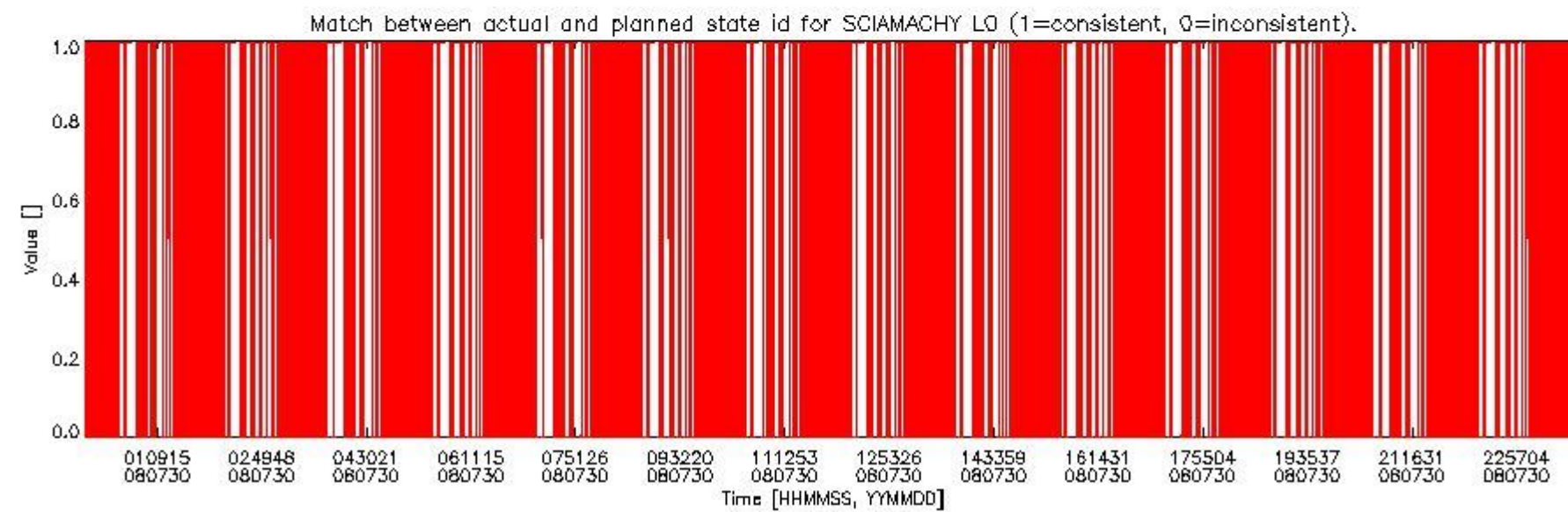
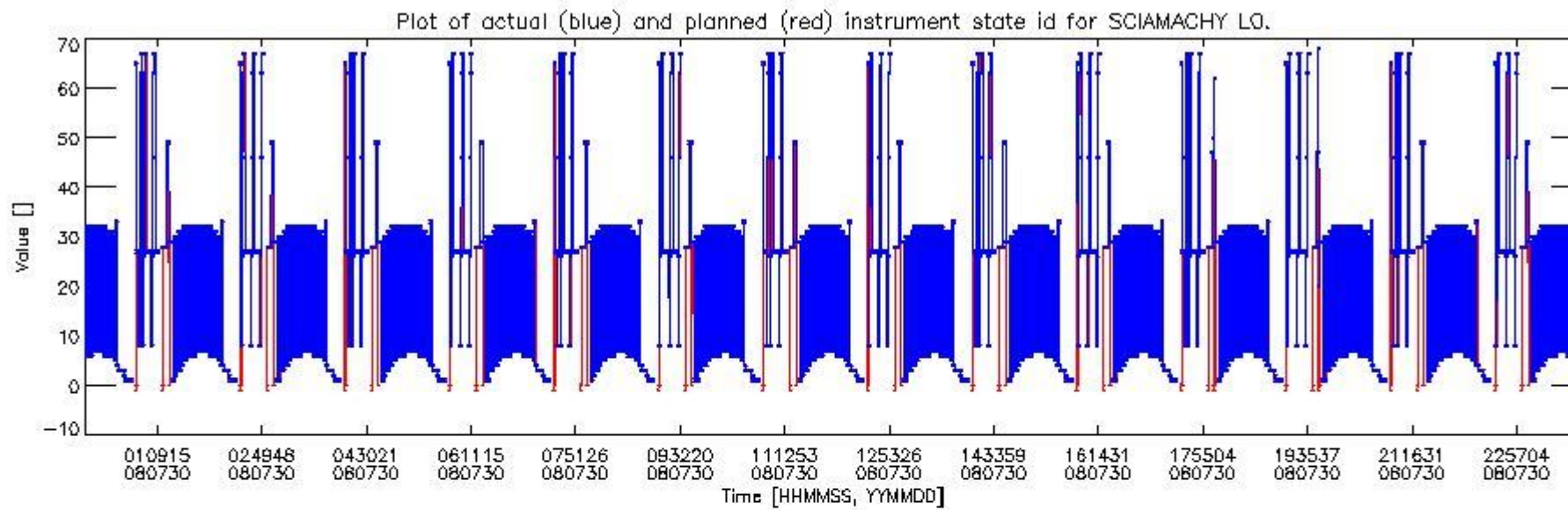


0.3 State monitoring

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: **31872**

#	Actual time	Actual value	Planned time	Planned value
0	30JUL2008 00:00:24.896465	32	30JUL2008 00:00:24.896465	6
1	30JUL2008 00:00:25.521447	32	30JUL2008 00:00:25.521447	6
2	30JUL2008 00:00:25.896460	32	30JUL2008 00:00:25.896460	6
3	30JUL2008 00:00:26.271473	32	30JUL2008 00:00:26.271473	6
4	30JUL2008 00:00:26.833972	32	30JUL2008 00:00:26.833972	6
5	30JUL2008 00:00:27.208945	32	30JUL2008 00:00:27.208945	6
6	30JUL2008 00:00:27.583958	32	30JUL2008 00:00:27.583958	6
7	30JUL2008 00:00:27.958971	32	30JUL2008 00:00:27.958971	6
8	30JUL2008 00:00:28.521471	32	30JUL2008 00:00:28.521471	6
9	30JUL2008 00:00:28.896444	32	30JUL2008 00:00:28.896444	6
10	30JUL2008 00:00:29.271457	32	30JUL2008 00:00:29.271457	6
11	30JUL2008 00:00:29.646470	32	30JUL2008 00:00:29.646470	6
12	30JUL2008 00:00:29.896438	32	30JUL2008 00:00:29.896438	6
13	30JUL2008 00:00:30.208969	32	30JUL2008 00:00:30.208969	6
14	30JUL2008 00:00:30.583942	32	30JUL2008 00:00:30.583942	6
15	30JUL2008 00:00:30.958955	32	30JUL2008 00:00:30.958955	6
16	30JUL2008 00:00:31.333968	32	30JUL2008 00:00:31.333968	6
17	30JUL2008 00:00:31.896468	32	30JUL2008 00:00:31.896468	6
18	30JUL2008 00:01:20.767536	6	30JUL2008 00:01:20.767536	32
19	30JUL2008 00:01:21.142549	6	30JUL2008 00:01:21.142549	32

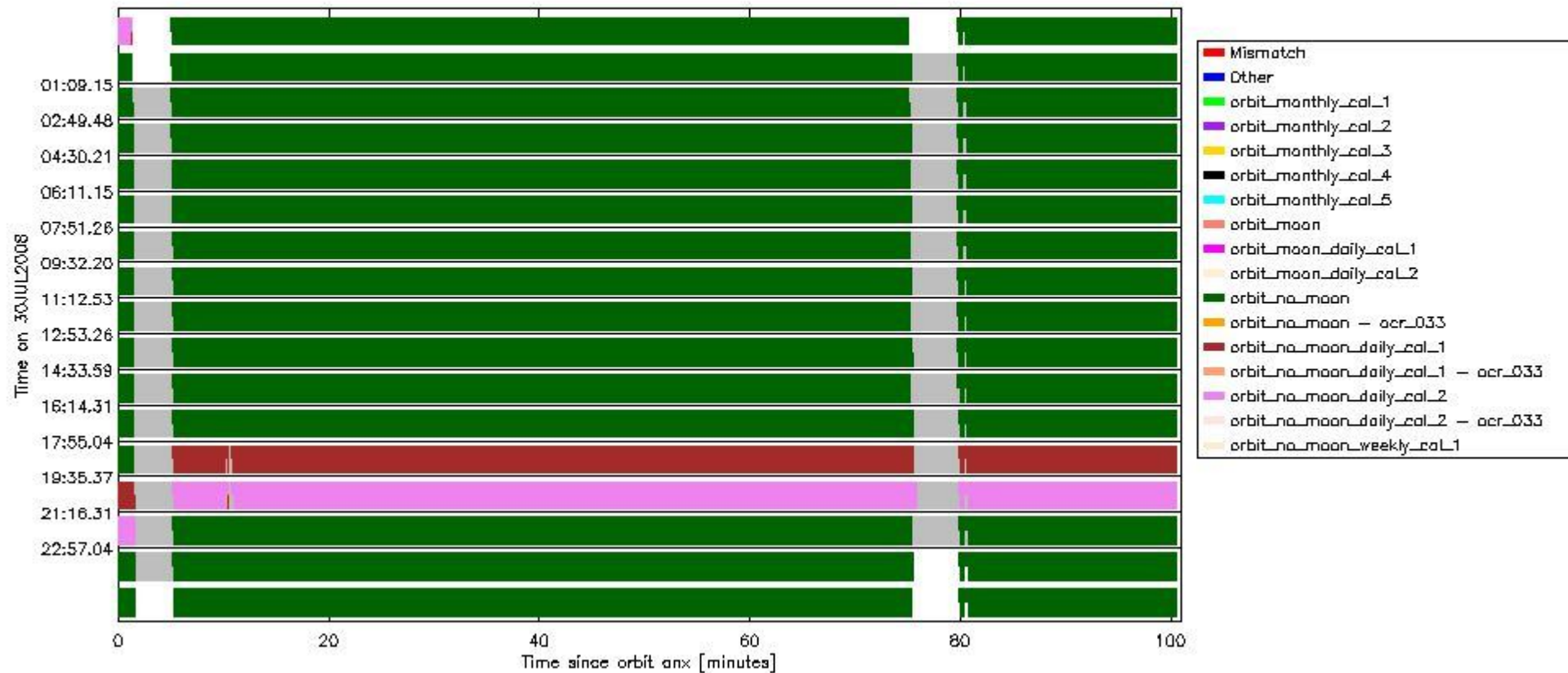


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080730_5.PNG

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 30JUL2008.
 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_20080730_6.PNG

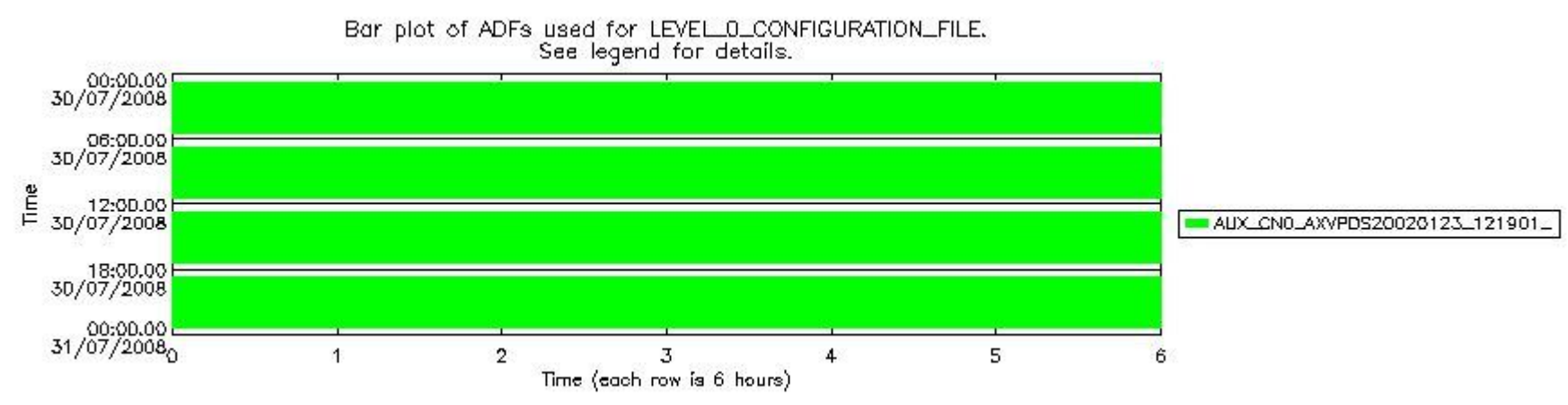
0.4 ADF monitoring

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

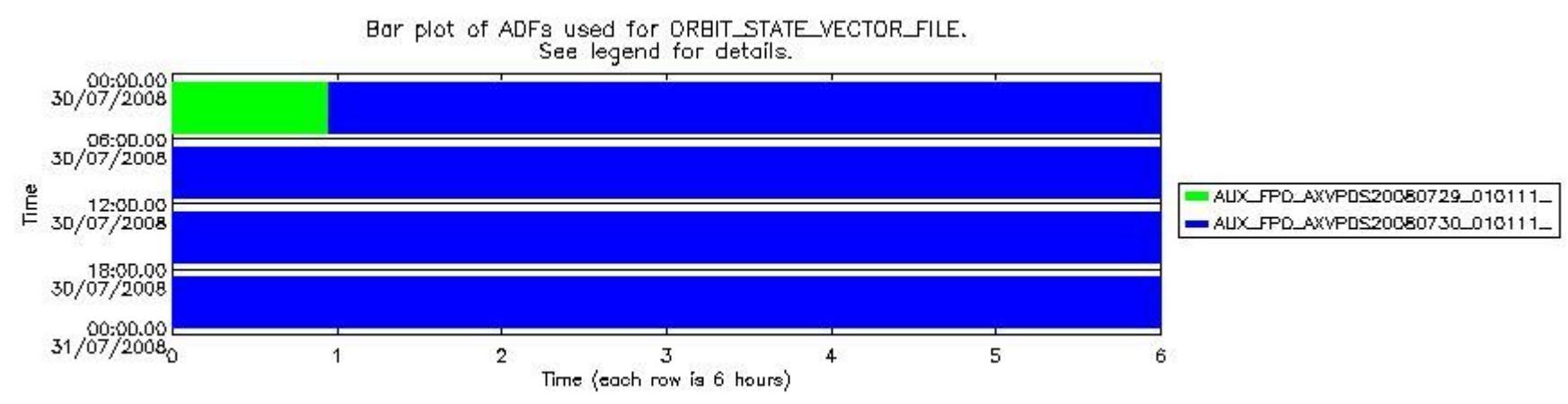
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

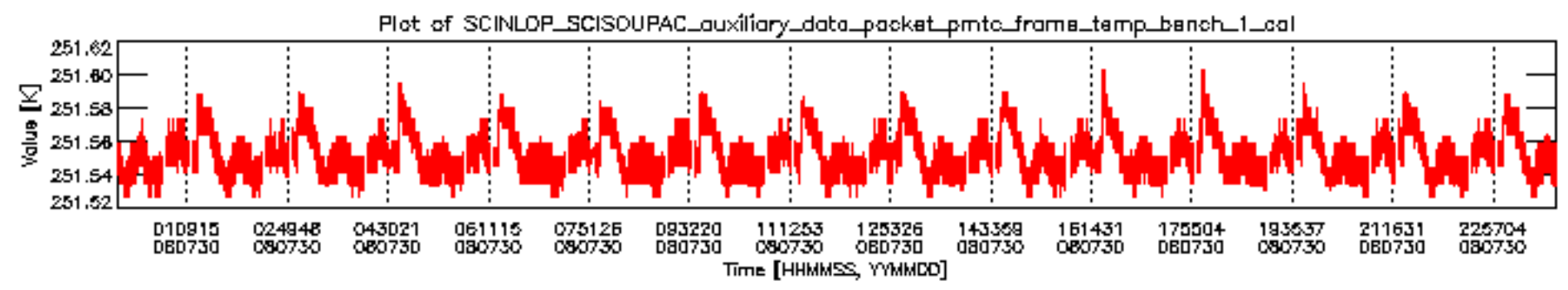
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080729_010111_20080728_185827_20080807_202440
2	AUX_FPO_AXVPDS20080730_010111_20080729_182650_20080808_213339

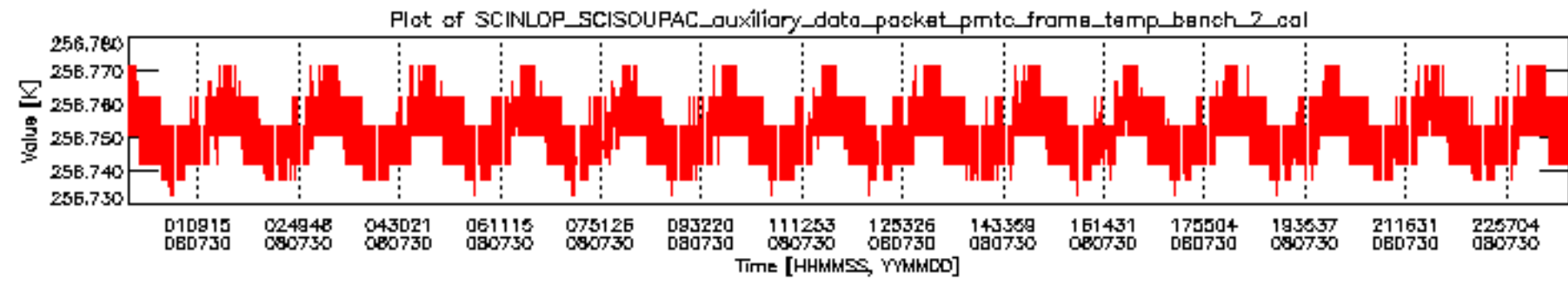


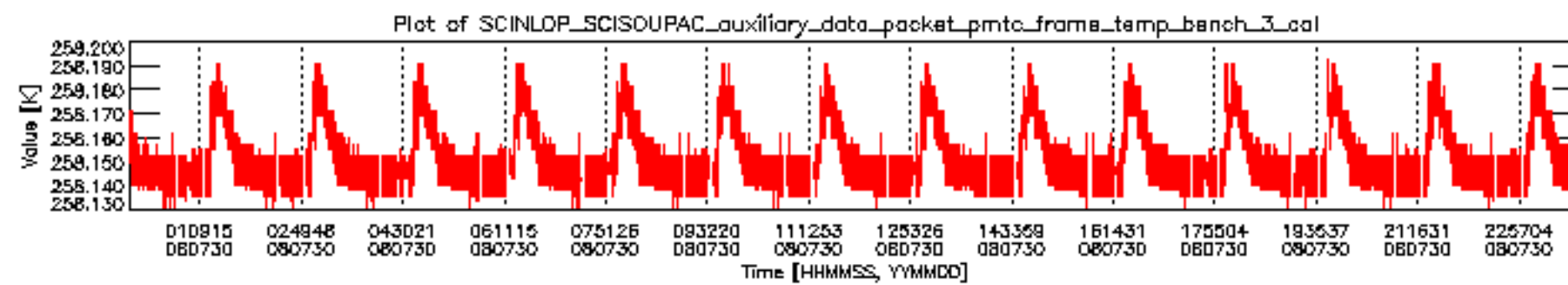
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080730_7.PNG

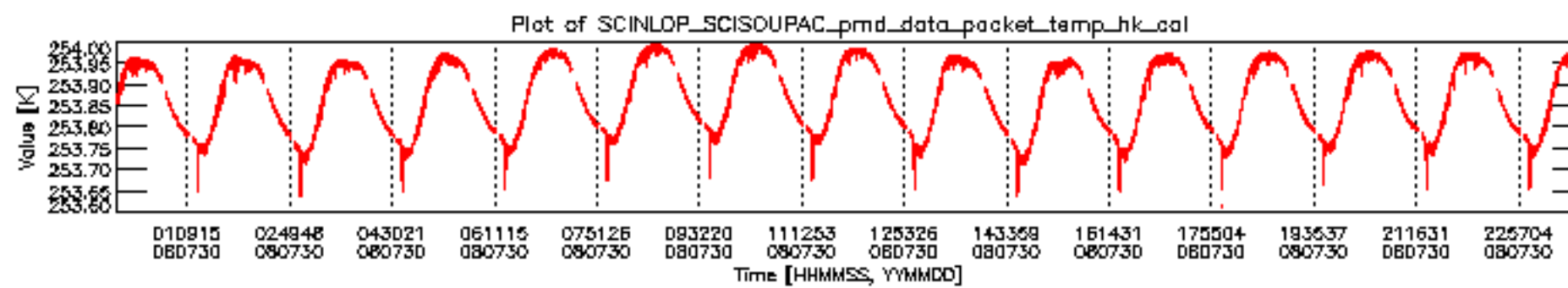


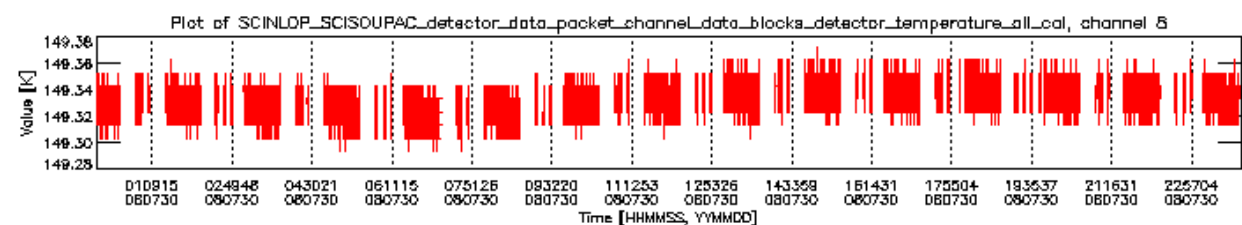
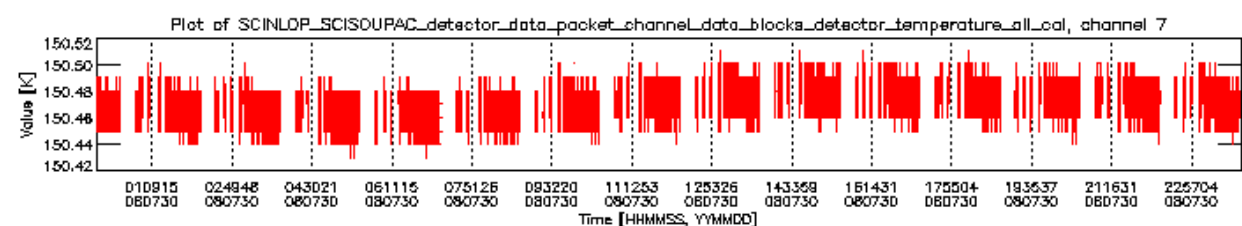
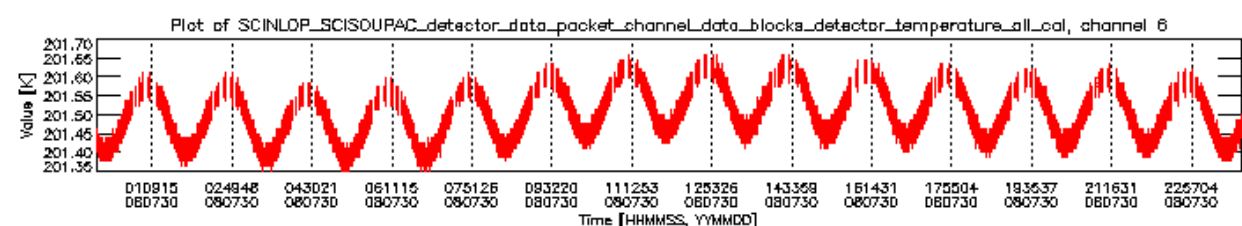
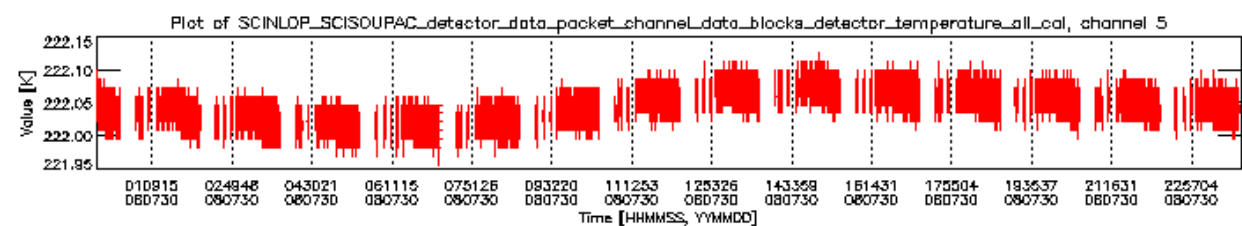
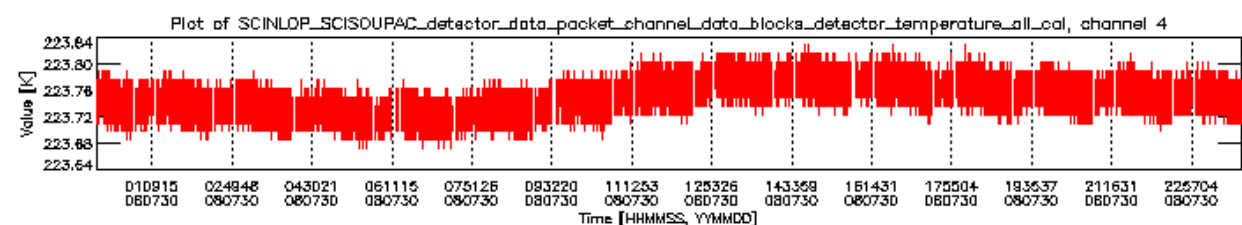
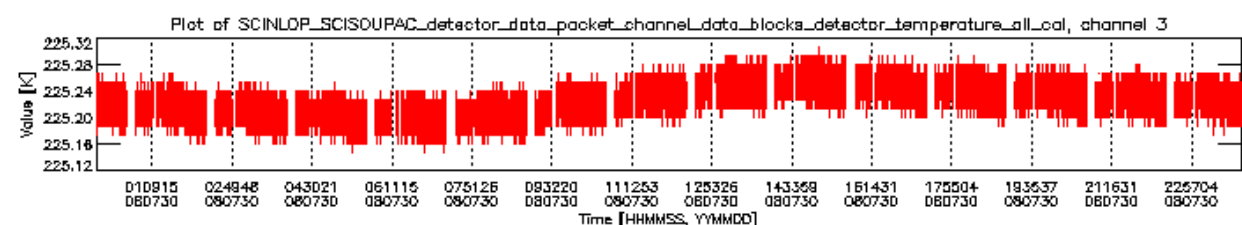
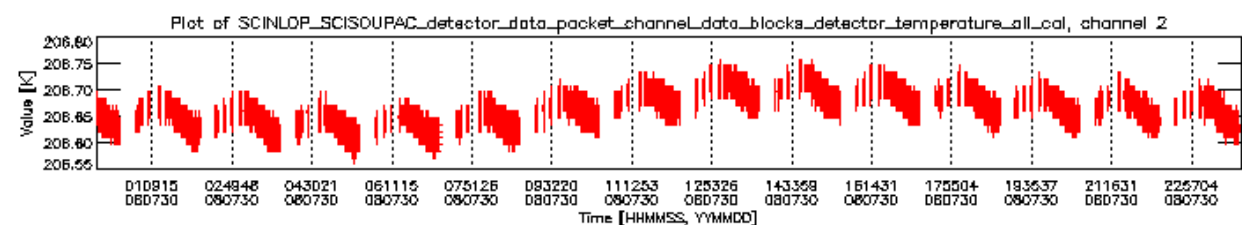
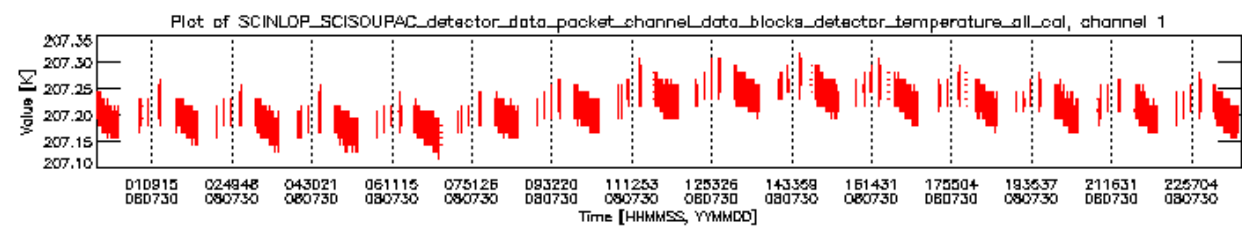
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080730_8.PNG











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