

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	08SEP2008 04:38:42
Data source version	KSPT_L0/4303-N
Processing scope for products	04SEP2008 00:00:00 to 05SEP2008 00:00:00
Start time of first product within scope	03SEP2008 22:44:25
Stop time of last product within scope	05SEP2008 01:33:54
Total number of level 0 products	19
Number of level 0 products with errors	10

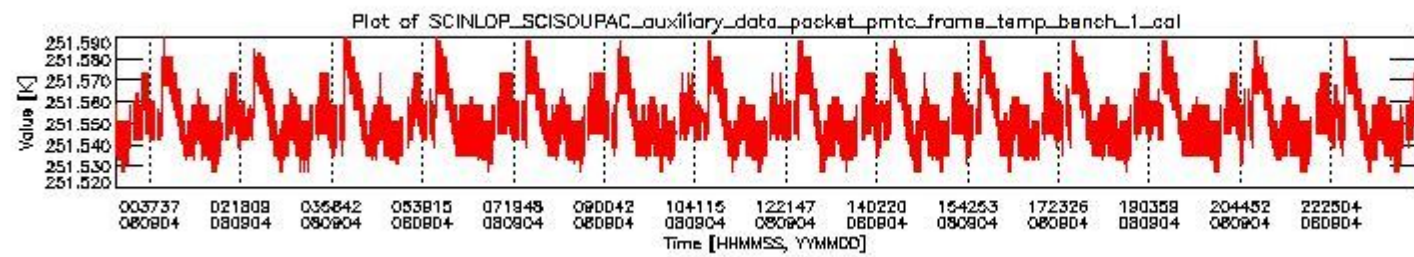
0.1.2 Summary per product

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

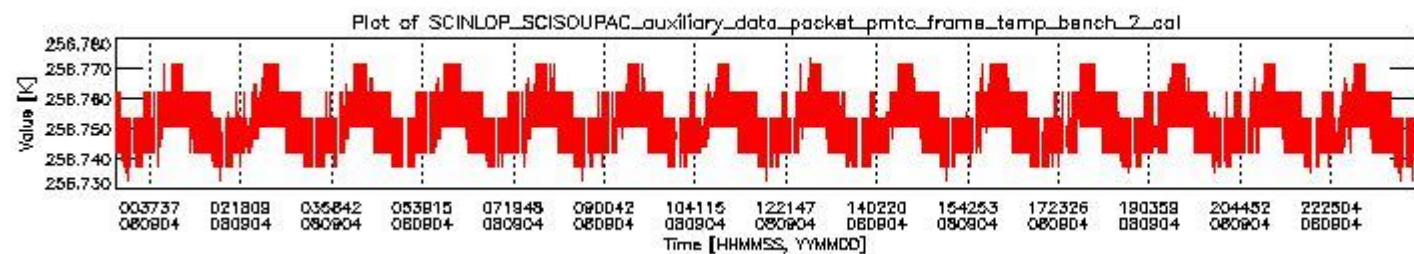
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080903_224425_000061092071_00430_34051_7442.N1	03SEP2008 22:44:25	04SEP2008 00:26:15	0	0	0	0	0
1	SCI_NL__OPNPDE20080904_002531_000058732071_00431_34052_7443.N1	04SEP2008 00:25:31	04SEP2008 02:03:23	0	0	0	0	0
2	SCI_NL__OPNPDE20080904_020155_000048162071_00432_34053_7444.N1	04SEP2008 02:01:55	04SEP2008 03:22:11	0	0	0	0	0
3	SCI_NL__OPNPDE20080904_032211_000058562071_00433_34054_7445.N1	04SEP2008 03:22:11	04SEP2008 04:59:47	0	0	0	0	0
4	SCI_NL__OPNPDE20080904_045851_000060242071_00434_34055_7446.N1	04SEP2008 04:58:51	04SEP2008 06:39:15	0	0	0	0	0
5	SCI_NL__OPNPDK20080904_063915_000041142071_00435_34056_9233.N1	04SEP2008 06:39:15	04SEP2008 07:47:49	0	0	0	0	0
6	SCI_NL__OPNPDK20080904_074749_000060922071_00436_34057_9234.N1	04SEP2008 07:47:49	04SEP2008 09:29:22	1	1	0	0	0
7	SCI_NL__OPNPDK20080904_092826_000035162071_00437_34058_9237.N1	04SEP2008 09:28:26	04SEP2008 10:27:02	1	1	0	0	0
8	SCI_NL__OPNPDK20080904_102702_000025202071_00437_34058_9239.N1	04SEP2008 10:27:02	04SEP2008 11:09:02	1	1	0	0	0
9	SCI_NL__OPNPDK20080904_110902_000059682071_00438_34059_9240.N1	04SEP2008 11:09:02	04SEP2008 12:48:30	1	1	0	0	0
10	SCI_NL__OPNPDK20080904_124830_000059252071_00439_34060_9241.N1	04SEP2008 12:48:30	04SEP2008 14:27:15	1	1	0	0	0
11	SCI_NL__OPNPDK20080904_142606_000059122071_00440_34061_9242.N1	04SEP2008 14:26:06	04SEP2008 16:04:38	1	1	0	0	0
12	SCI_NL__OPNPDK20080904_160329_000059752071_00441_34062_9243.N1	04SEP2008 16:03:29	04SEP2008 17:43:05	1	1	0	0	0
13	SCI_NL__OPNPDK20080904_174156_000059502071_00442_34063_9245.N1	04SEP2008 17:41:56	04SEP2008 19:21:06	1	1	0	0	0
14	SCI_NL__OPNPDK20080904_192010_000031672071_00443_34064_9246.N1	04SEP2008 19:20:10	04SEP2008 20:12:57	1	1	0	0	0
15	SCI_NL__OPNPDK20080904_201257_000029062071_00443_34064_9247.N1	04SEP2008 20:12:57	04SEP2008 21:01:23	1	1	0	0	0
16	SCI_NL__OPNPDE20080904_210027_000043492071_00444_34065_7447.N1	04SEP2008 21:00:27	04SEP2008 22:12:55	0	0	0	0	0
17	SCI_NL__OPNPDE20080904_221208_000061122071_00444_34065_7448.N1	04SEP2008 22:12:08	04SEP2008 23:54:01	0	0	0	0	0
18	SCI_NL__OPNPDE20080904_235317_000060382071_00445_34066_7449.N1	04SEP2008 23:53:17	05SEP2008 01:33:54	0	0	0	0	0

0.2 Product Quality Indicators

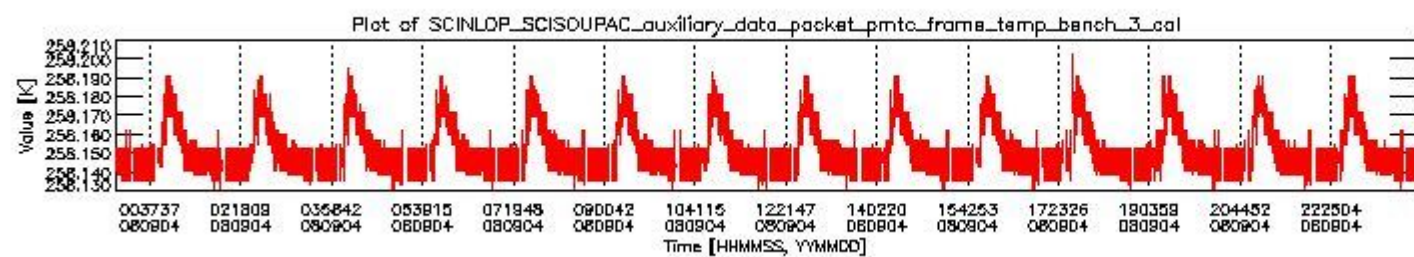
This section shows information about product quality, currently temperatures.



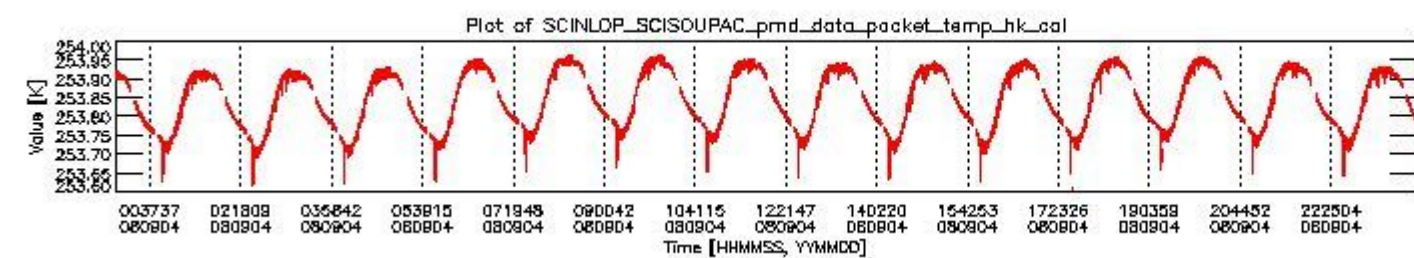
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080904_0.PNG



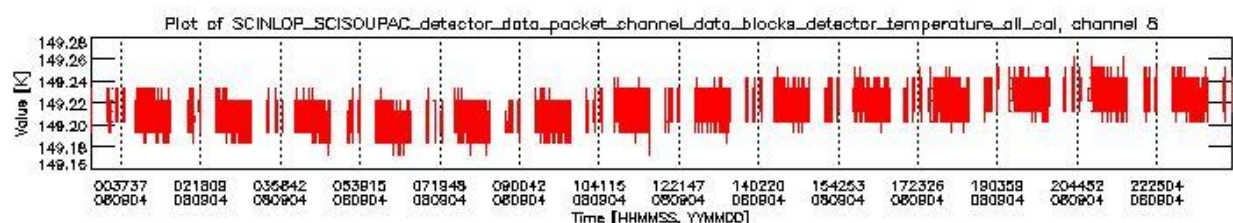
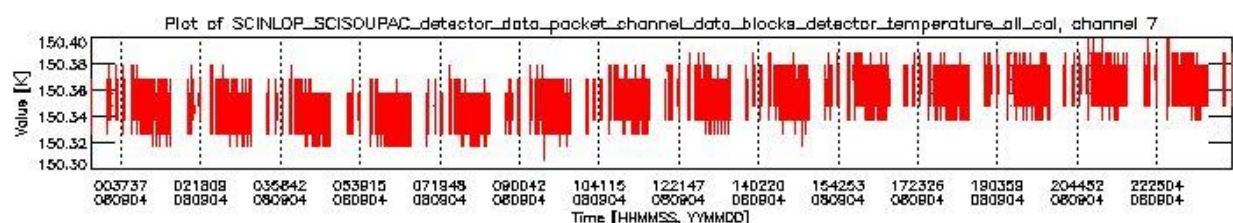
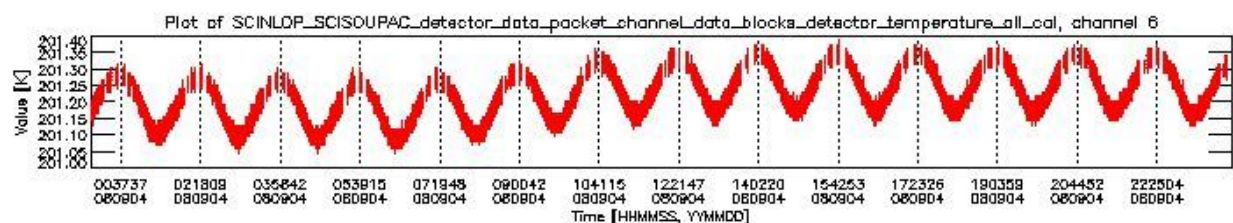
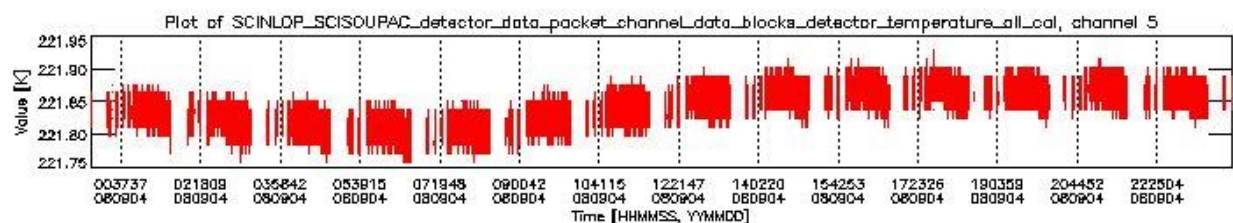
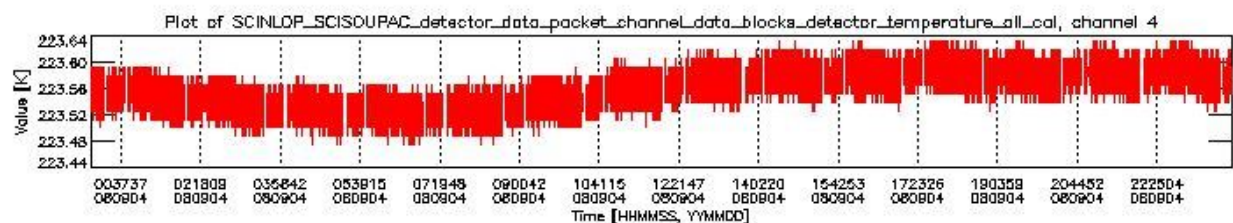
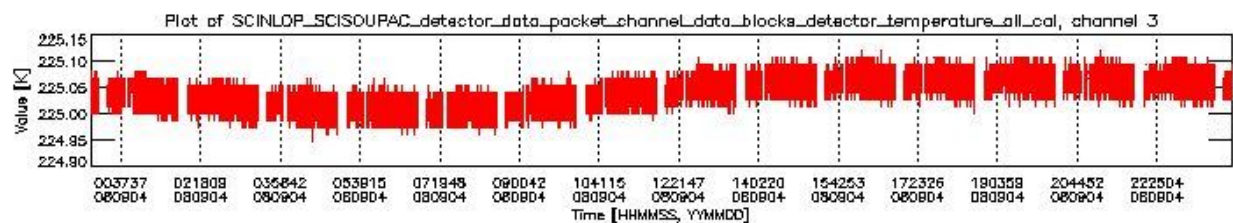
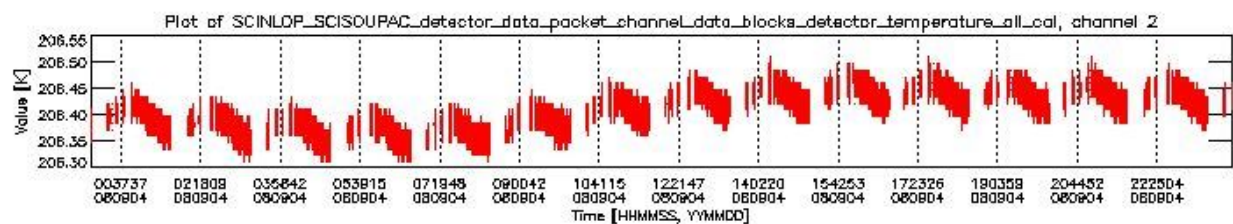
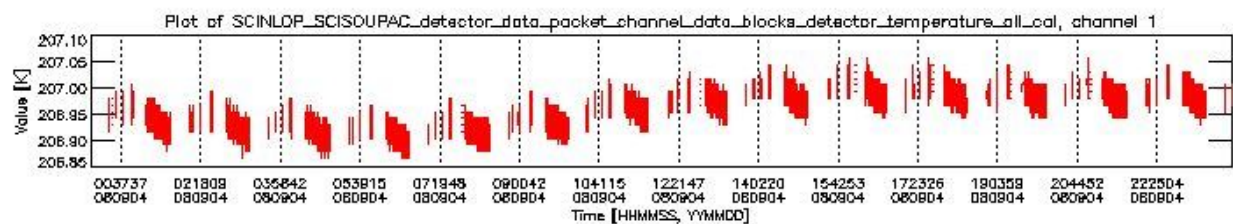
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080904_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080904_3.PNG

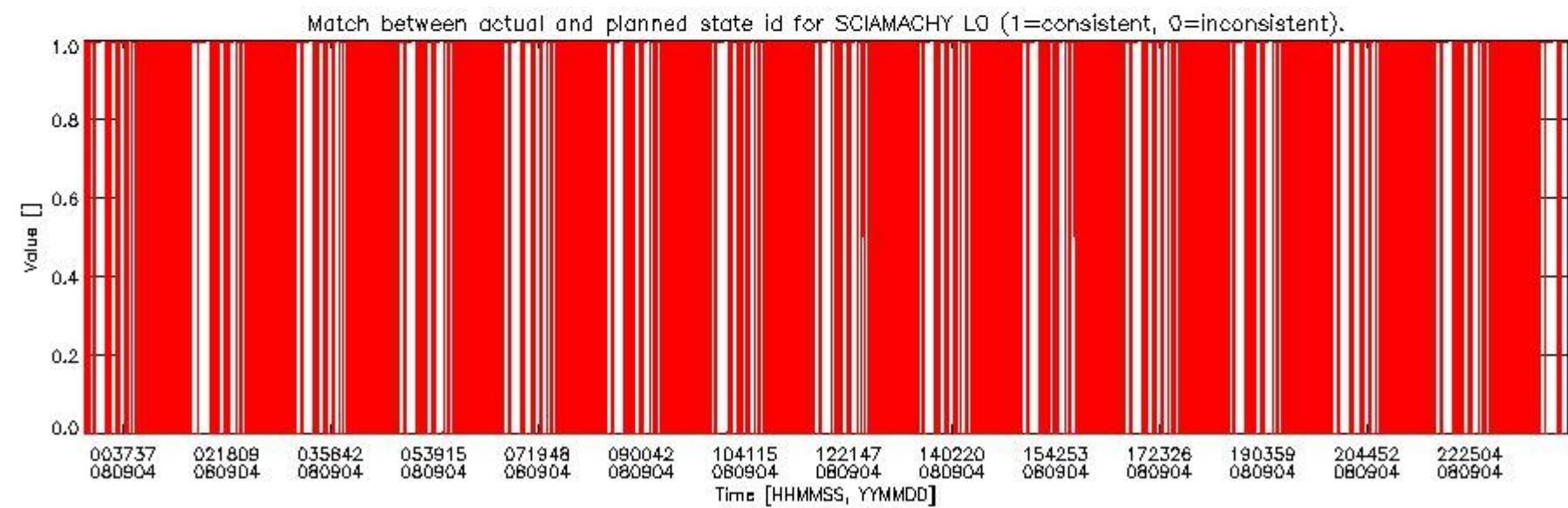
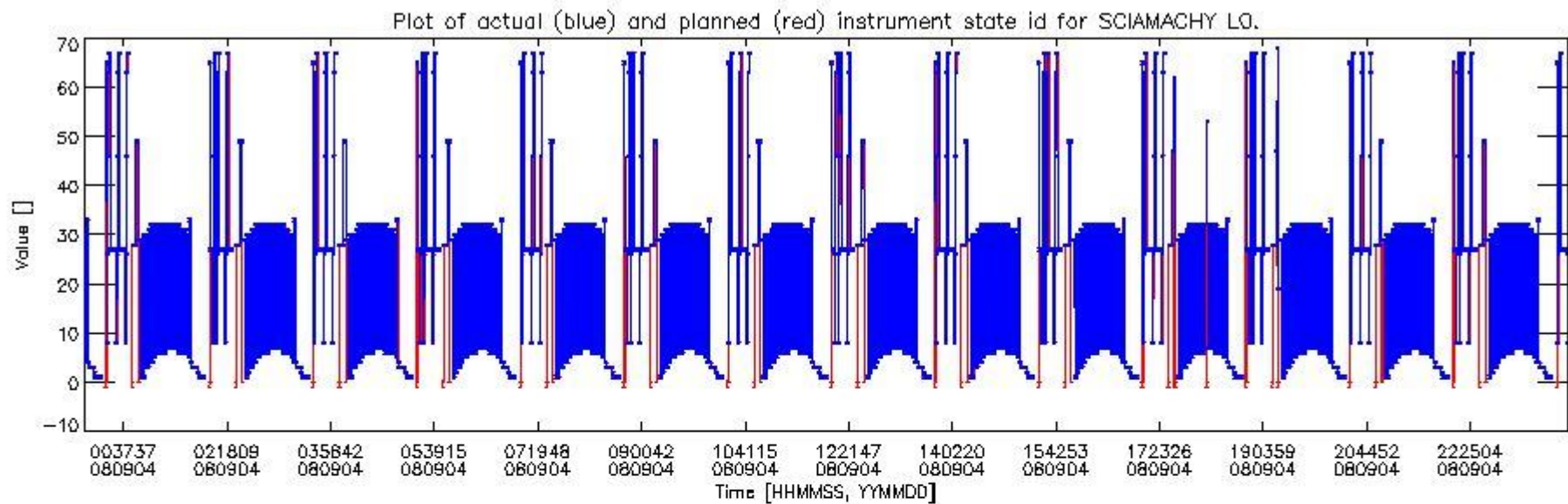


0.3 State monitoring

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: **51395**

#	Actual time	Actual value	Planned time	Planned value
0	04SEP2008 00:00:03.004409	30	04SEP2008 00:00:03.004409	5
1	04SEP2008 00:00:03.629391	30	04SEP2008 00:00:03.629391	5
2	04SEP2008 00:00:04.004404	30	04SEP2008 00:00:04.004404	5
3	04SEP2008 00:00:04.379377	30	04SEP2008 00:00:04.379377	5
4	04SEP2008 00:00:04.941876	30	04SEP2008 00:00:04.941876	5
5	04SEP2008 00:00:05.316889	30	04SEP2008 00:00:05.316889	5
6	04SEP2008 00:00:05.691902	30	04SEP2008 00:00:05.691902	5
7	04SEP2008 00:00:06.066915	30	04SEP2008 00:00:06.066915	5
8	04SEP2008 00:00:06.629415	30	04SEP2008 00:00:06.629415	5
9	04SEP2008 00:00:07.004388	30	04SEP2008 00:00:07.004388	5
10	04SEP2008 00:00:07.379401	30	04SEP2008 00:00:07.379401	5
11	04SEP2008 00:00:07.754414	30	04SEP2008 00:00:07.754414	5
12	04SEP2008 00:00:08.004382	30	04SEP2008 00:00:08.004382	5
13	04SEP2008 00:00:08.316913	30	04SEP2008 00:00:08.316913	5
14	04SEP2008 00:00:08.691886	30	04SEP2008 00:00:08.691886	5
15	04SEP2008 00:00:09.066899	30	04SEP2008 00:00:09.066899	5
16	04SEP2008 00:00:09.441912	30	04SEP2008 00:00:09.441912	5
17	04SEP2008 00:00:10.004412	30	04SEP2008 00:00:10.004412	5
18	04SEP2008 00:00:10.379384	30	04SEP2008 00:00:10.379384	5
19	04SEP2008 00:00:10.754398	30	04SEP2008 00:00:10.754398	5

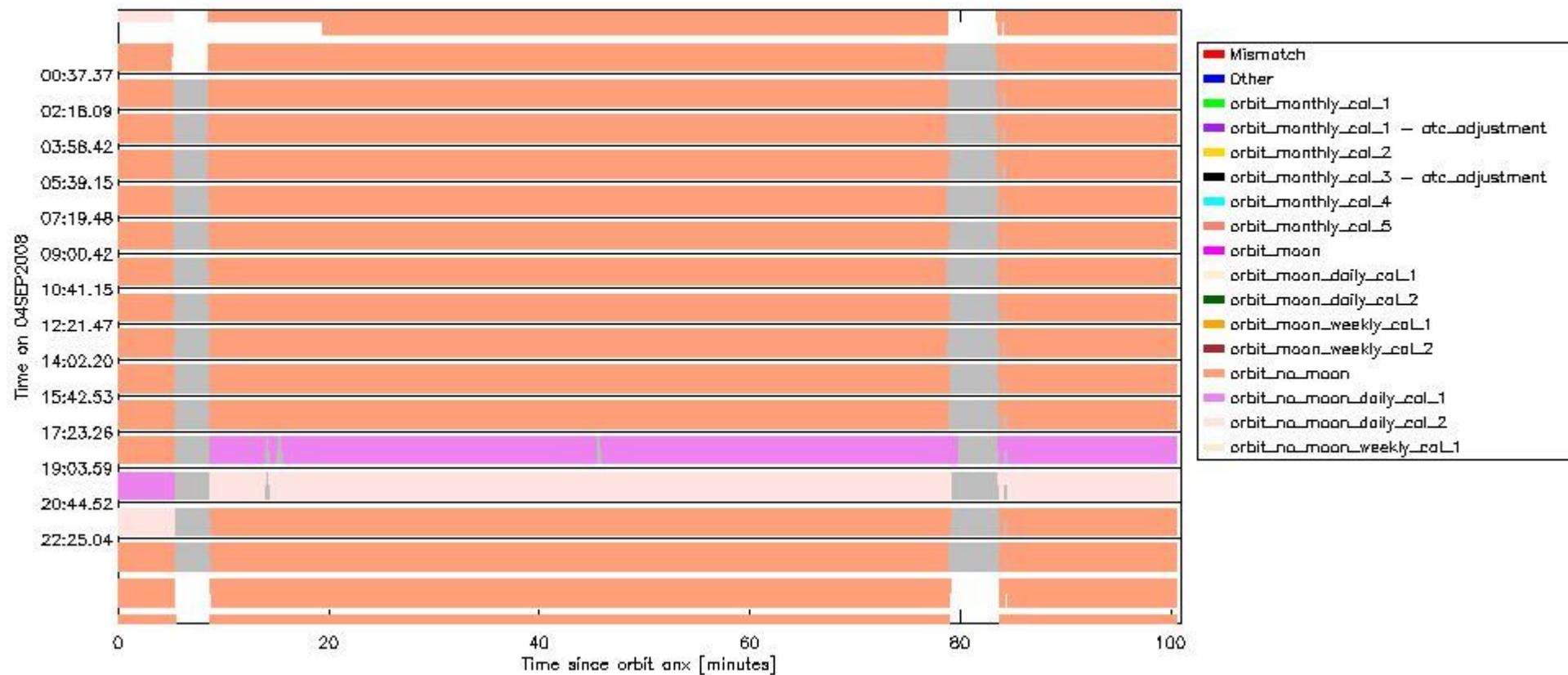


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080904_5.PNG

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 04SEP2008.
 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_20080904_6.PNG

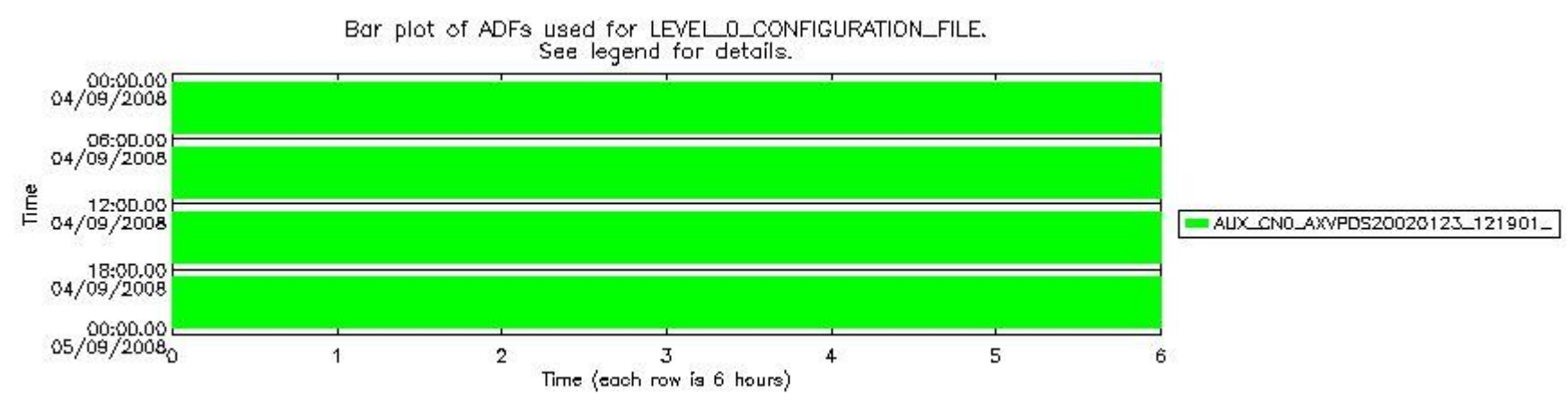
0.4 ADF monitoring

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

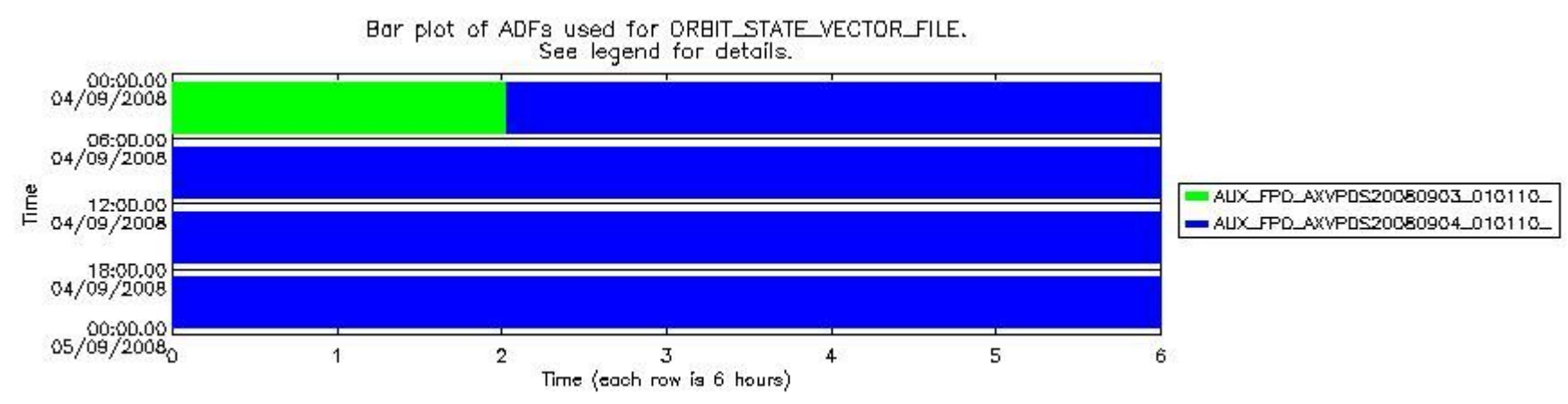
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

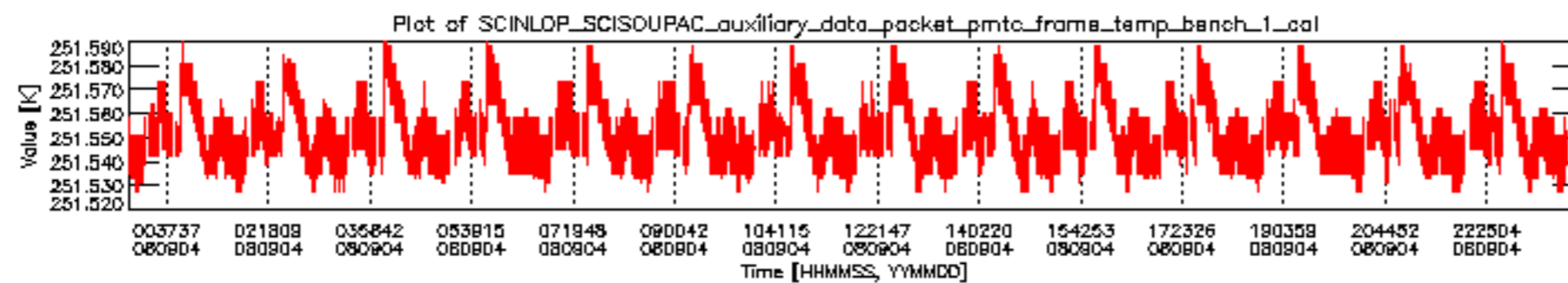
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080903_010110_20080902_182647_20080912_213335
2	AUX_FPO_AXVPDS20080904_010110_20080903_193545_20080913_210158

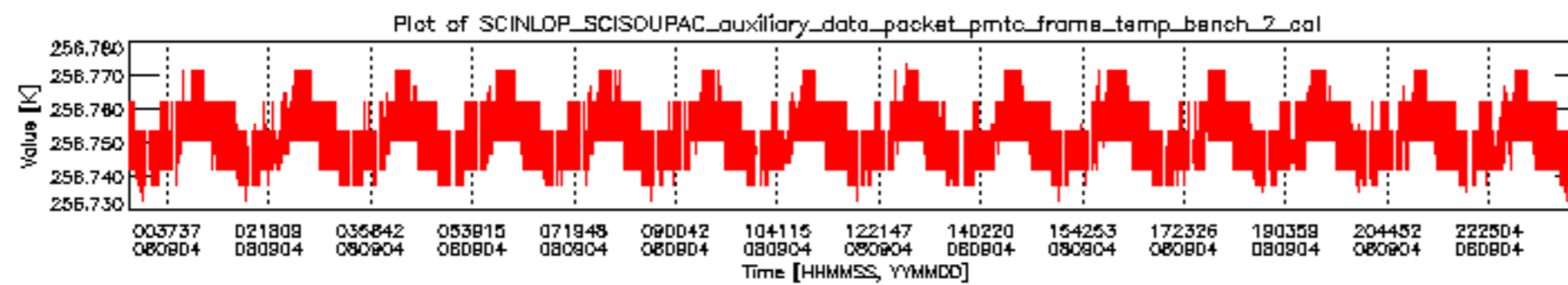


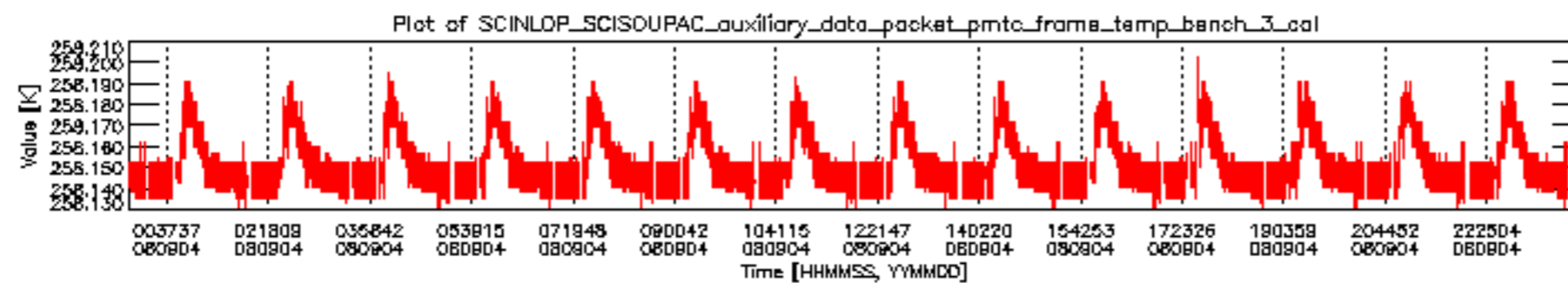
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080904_7.PNG

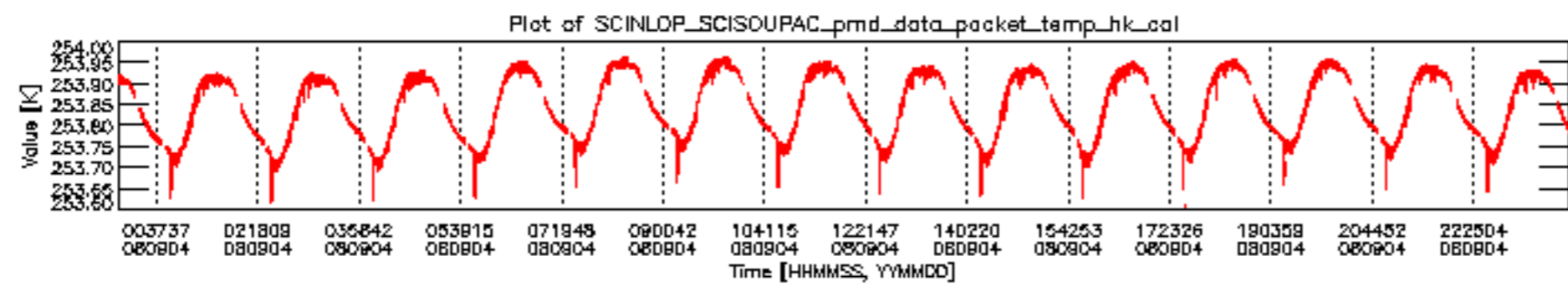


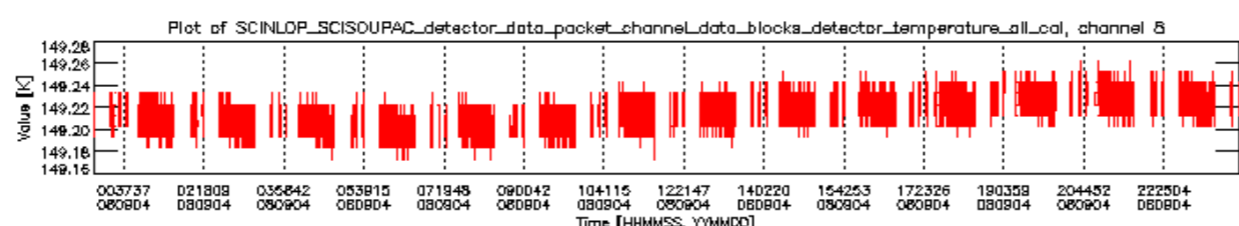
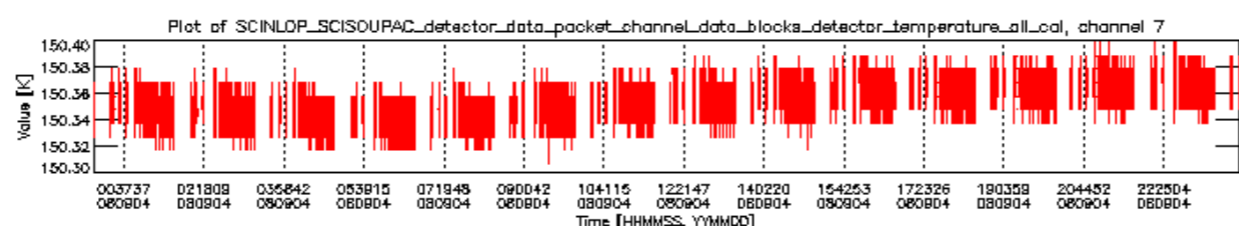
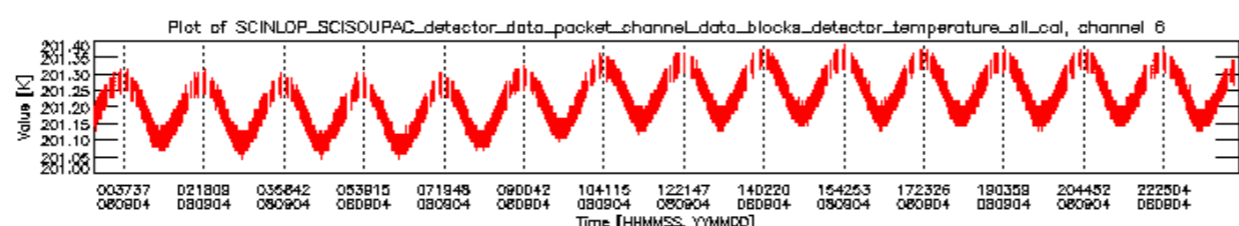
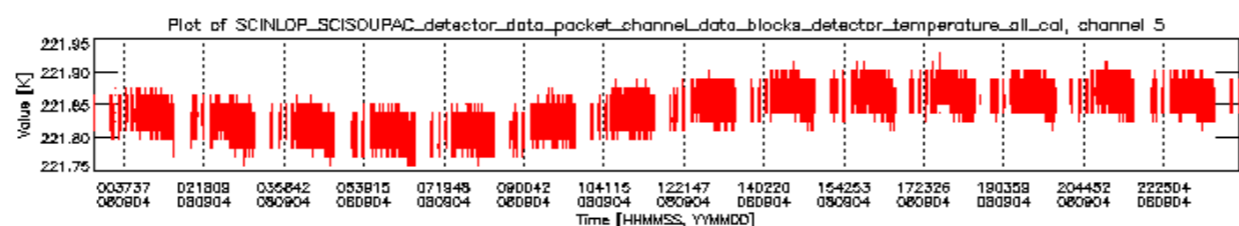
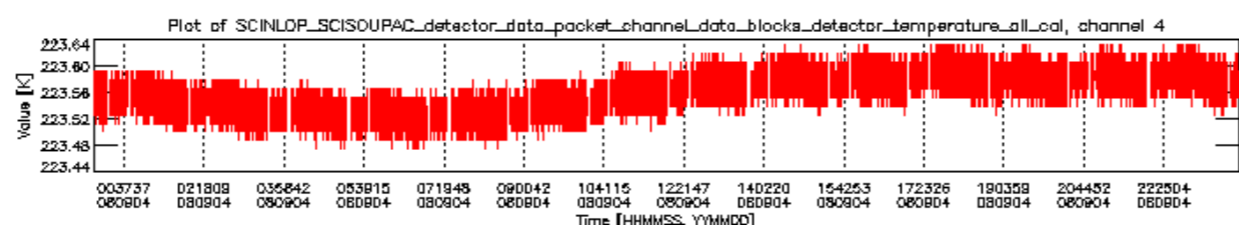
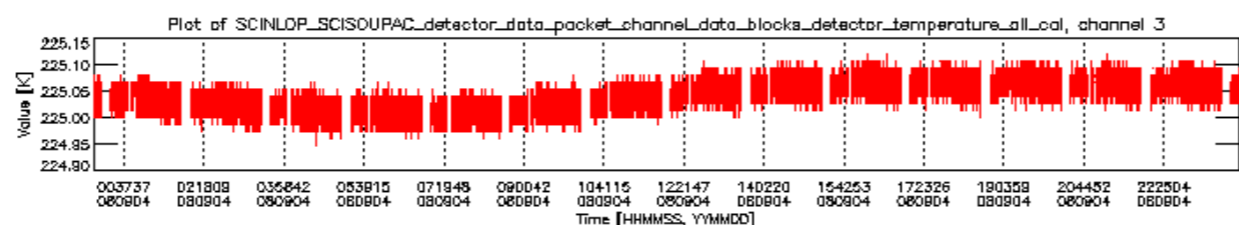
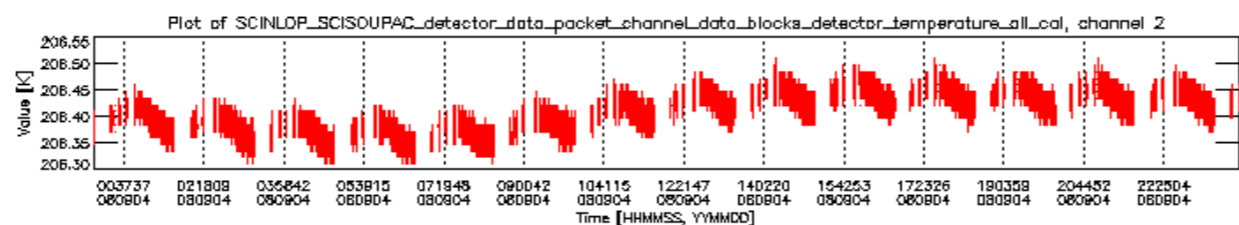
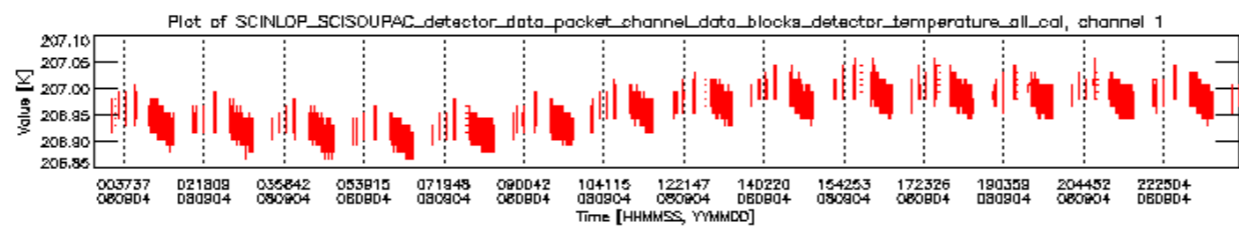
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080904_8.PNG











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