

0. SCIAMACHY Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Product Quality Indicators](#)

[0.3 State monitoring](#)

[0.4 ADF monitoring](#)

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	17AUG2008 05:15:45
Data source version	KSPT_L0/4303-N
Processing scope for products	13AUG2008 00:00:00 to 14AUG2008 00:00:00
Start time of first product within scope	12AUG2008 22:36:48
Stop time of last product within scope	14AUG2008 01:25:45
Total number of level 0 products	18
Number of level 0 products with errors	1

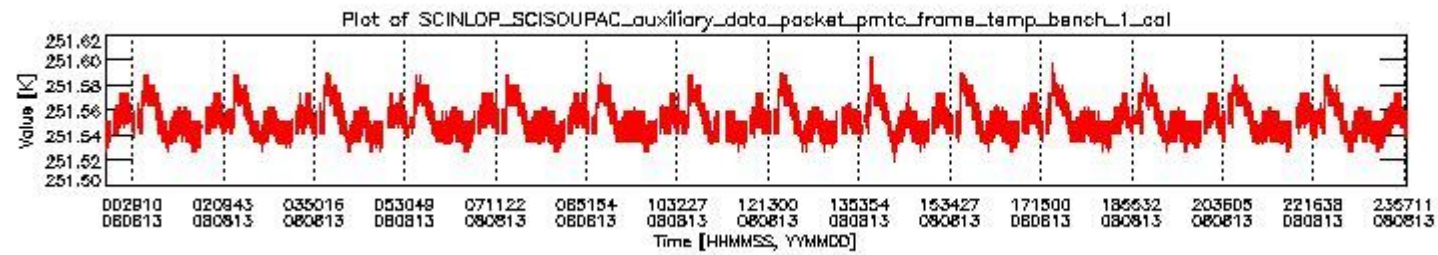
0.1.2 Summary per product

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

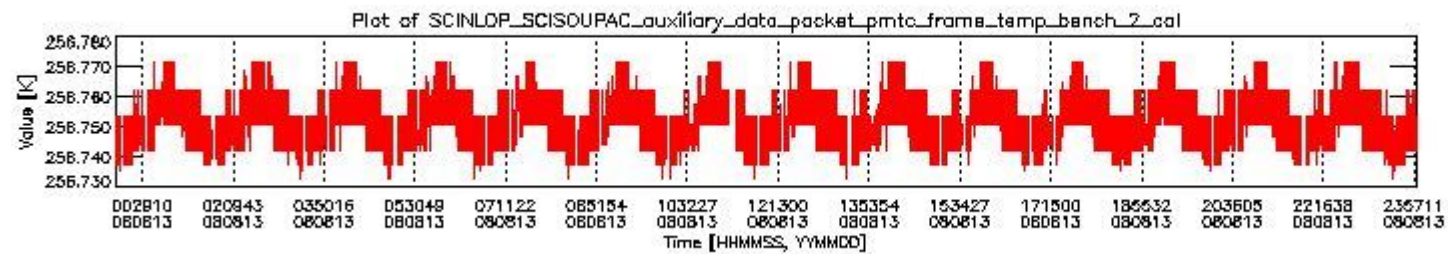
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080812_223648_000060722071_00115_33736_7300.N1	12AUG2008 22:36:48	13AUG2008 00:18:00	0	0	0	0	0
1	SCI_NL__OPNPDE20080813_001726_000058582071_00116_33737_7301.N1	13AUG2008 00:17:26	13AUG2008 01:55:04	0	0	0	0	0
2	SCI_NL__OPNPDE20080813_015256_000045892071_00117_33738_7302.N1	13AUG2008 01:52:56	13AUG2008 03:09:25	0	0	0	0	0
3	SCI_NL__OPNPDE20080813_030816_000061612071_00118_33739_7303.N1	13AUG2008 03:08:16	13AUG2008 04:50:57	0	0	0	0	0
4	SCI_NL__OPNPDE20080813_044949_000061052071_00119_33740_7304.N1	13AUG2008 04:49:49	13AUG2008 06:31:34	0	0	0	0	0
5	SCI_NL__OPNPDK20080813_063134_000040452071_00120_33741_9025.N1	13AUG2008 06:31:34	13AUG2008 07:38:59	0	0	0	0	0
6	SCI_NL__OPNPDK20080813_073859_000061612071_00121_33742_9026.N1	13AUG2008 07:38:59	13AUG2008 09:21:40	0	0	0	0	0
7	SCI_NL__OPNPDK20080813_092044_000059682071_00122_33743_9027.N1	13AUG2008 09:20:44	13AUG2008 11:00:12	0	0	0	0	0
8	SCI_NL__OPNPDK20080813_105903_000011582071_00123_33744_9028.N1	13AUG2008 10:59:03	13AUG2008 11:18:21	1	1	0	0	0
9	SCI_NL__OPNPDK20080813_112601_000044872071_00123_33744_9029.N1	13AUG2008 11:26:01	13AUG2008 12:40:48	0	0	0	0	0
10	SCI_NL__OPNPDK20080813_123952_000058992071_00124_33745_9030.N1	13AUG2008 12:39:52	13AUG2008 14:18:11	0	0	0	0	0
11	SCI_NL__OPNPDK20080813_141811_000059252071_00125_33746_9031.N1	13AUG2008 14:18:11	13AUG2008 15:56:56	0	0	0	0	0
12	SCI_NL__OPNPDK20080813_155547_000058622071_00126_33747_9032.N1	13AUG2008 15:55:47	13AUG2008 17:33:29	0	0	0	0	0
13	SCI_NL__OPNPDK20080813_173233_000060362071_00127_33748_9033.N1	13AUG2008 17:32:33	13AUG2008 19:13:10	0	0	0	0	0
14	SCI_NL__OPNPDK20080813_191214_000060742071_00128_33749_9034.N1	13AUG2008 19:12:14	13AUG2008 20:53:27	0	0	0	0	0
15	SCI_NL__OPNPDE20080813_205123_000043452071_00129_33750_7305.N1	13AUG2008 20:51:23	13AUG2008 22:03:48	0	0	0	0	0
16	SCI_NL__OPNPDE20080813_220304_000061712071_00129_33750_7306.N1	13AUG2008 22:03:04	13AUG2008 23:45:55	0	0	0	0	0
17	SCI_NL__OPNPDE20080813_234508_000060372071_00130_33751_7307.N1	13AUG2008 23:45:08	14AUG2008 01:25:45	0	0	0	0	0

0.2 Product Quality Indicators

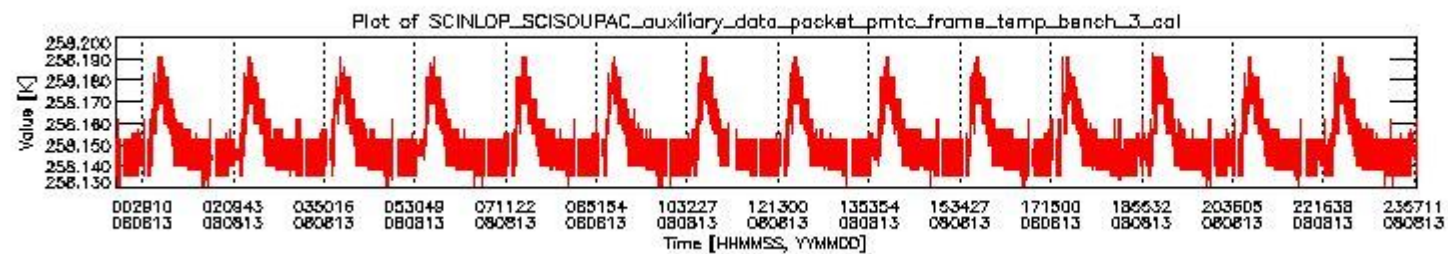
This section shows information about product quality, currently temperatures.



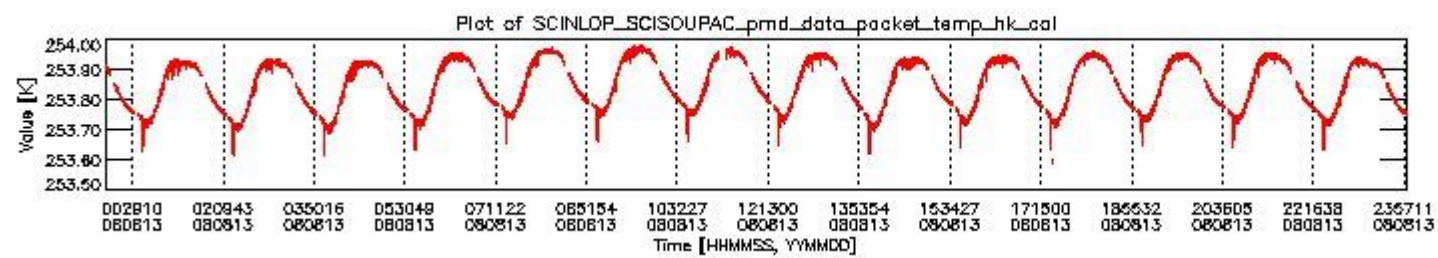
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080813_0.PNG



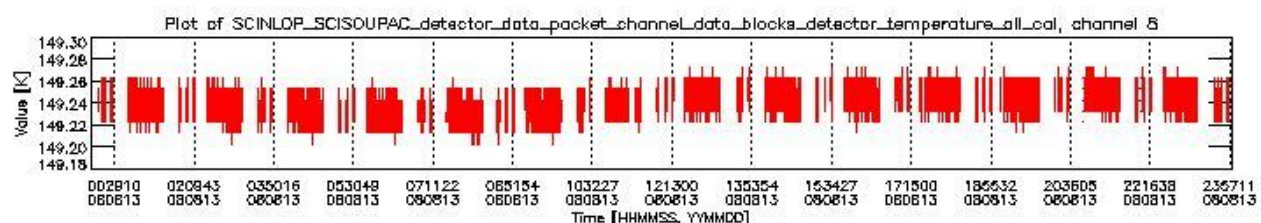
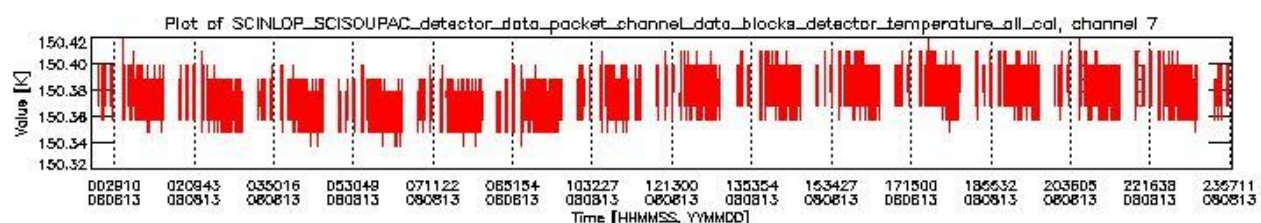
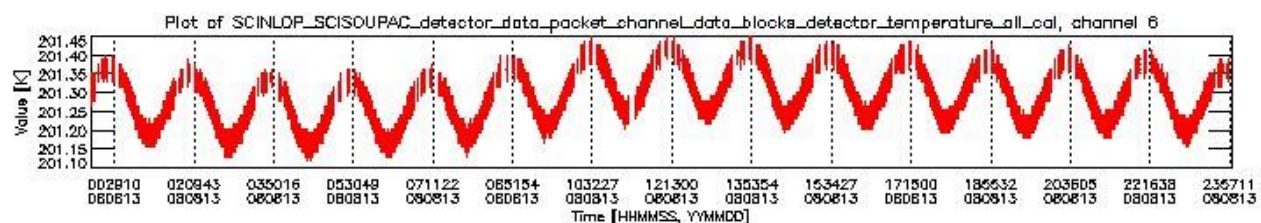
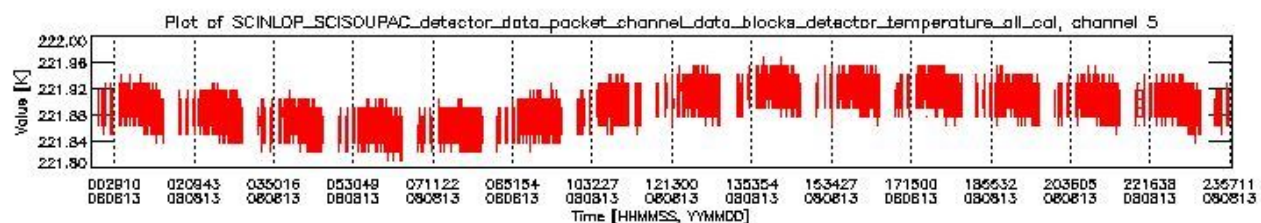
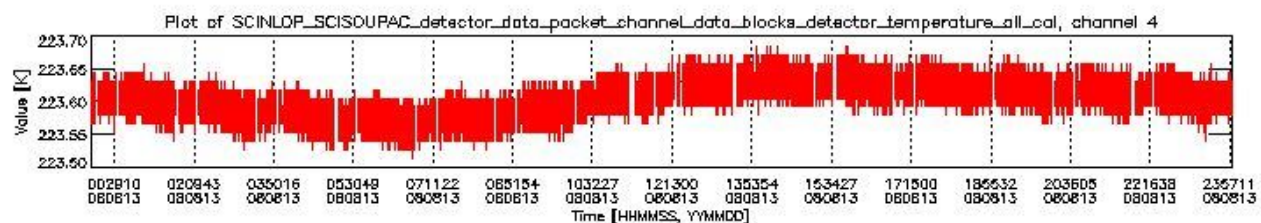
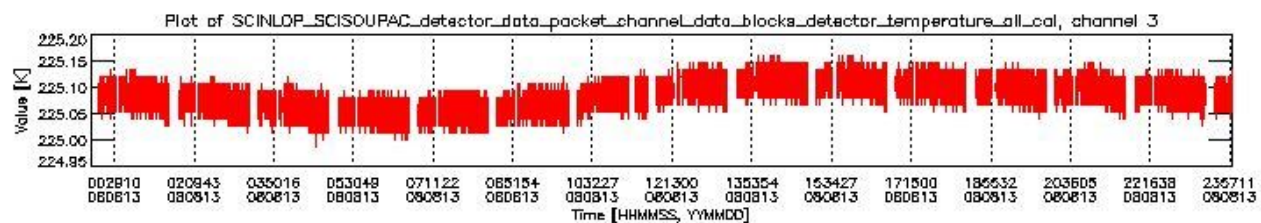
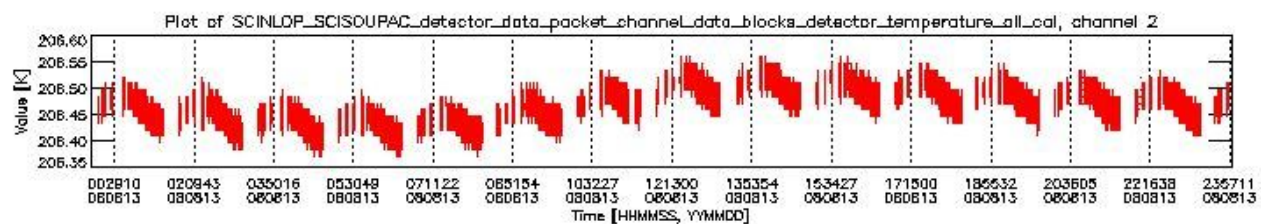
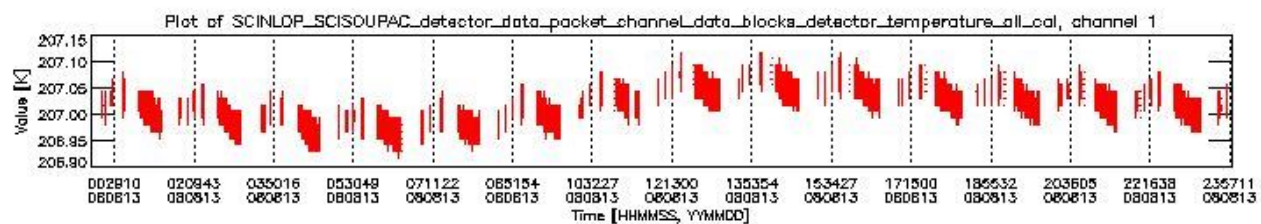
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080813_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080813_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080813_3.PNG

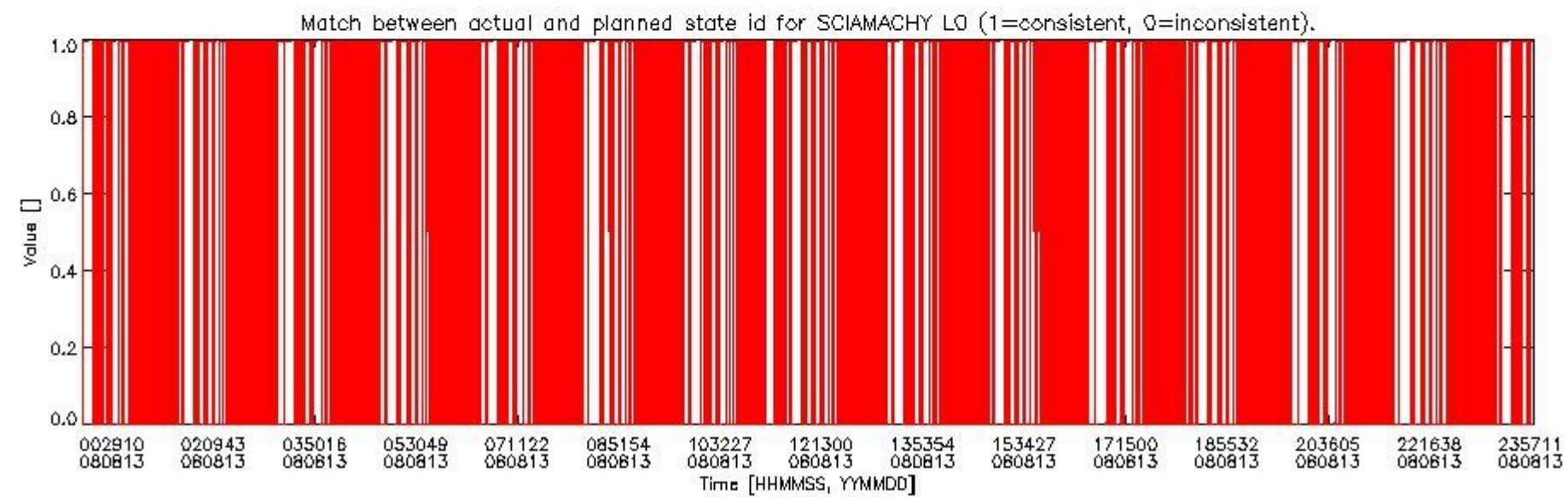
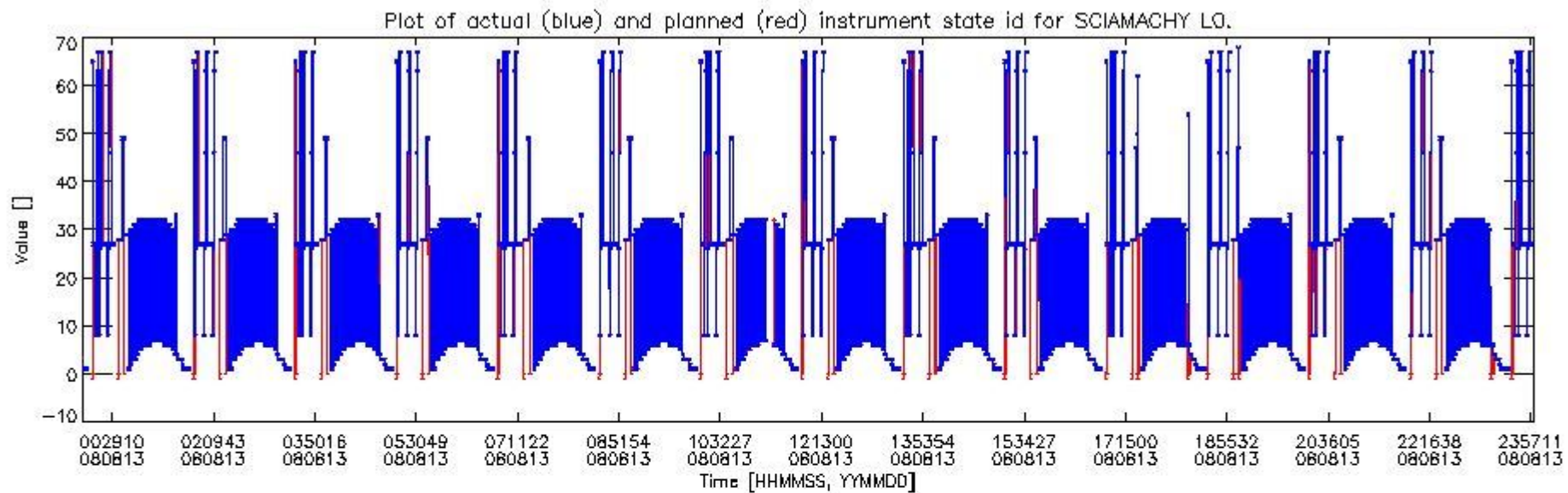


0.3 State monitoring

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: **36717**

#	Actual time	Actual value	Planned time	Planned value
0	13AUG2008 00:09:32.429202	65	13AUG2008 00:09:32.429202	0
1	13AUG2008 00:09:33.054184	65	13AUG2008 00:09:33.054184	0
2	13AUG2008 00:09:33.554201	65	13AUG2008 00:09:33.554201	0
3	13AUG2008 00:09:34.054179	65	13AUG2008 00:09:34.054179	0
4	13AUG2008 00:09:34.554196	65	13AUG2008 00:09:34.554196	0
5	13AUG2008 00:09:35.054173	65	13AUG2008 00:09:35.054173	0
6	13AUG2008 00:09:35.554191	65	13AUG2008 00:09:35.554191	0
7	13AUG2008 00:09:36.054208	65	13AUG2008 00:09:36.054208	0
8	13AUG2008 00:09:36.554185	65	13AUG2008 00:09:36.554185	0
9	13AUG2008 00:09:37.054203	65	13AUG2008 00:09:37.054203	0
10	13AUG2008 00:09:37.429175	65	13AUG2008 00:09:37.429175	0
11	13AUG2008 00:09:37.554180	65	13AUG2008 00:09:37.554180	0
12	13AUG2008 00:09:38.054197	65	13AUG2008 00:09:38.054197	0
13	13AUG2008 00:10:16.187002	27	13AUG2008 00:10:16.187002	0
14	13AUG2008 00:10:17.186996	27	13AUG2008 00:10:17.186996	0
15	13AUG2008 00:10:18.124509	27	13AUG2008 00:10:18.124509	0
16	13AUG2008 00:10:18.874495	27	13AUG2008 00:10:18.874495	0
17	13AUG2008 00:10:19.812007	27	13AUG2008 00:10:19.812007	0
18	13AUG2008 00:10:20.561993	27	13AUG2008 00:10:20.561993	0
19	13AUG2008 00:10:21.187015	27	13AUG2008 00:10:21.187015	0

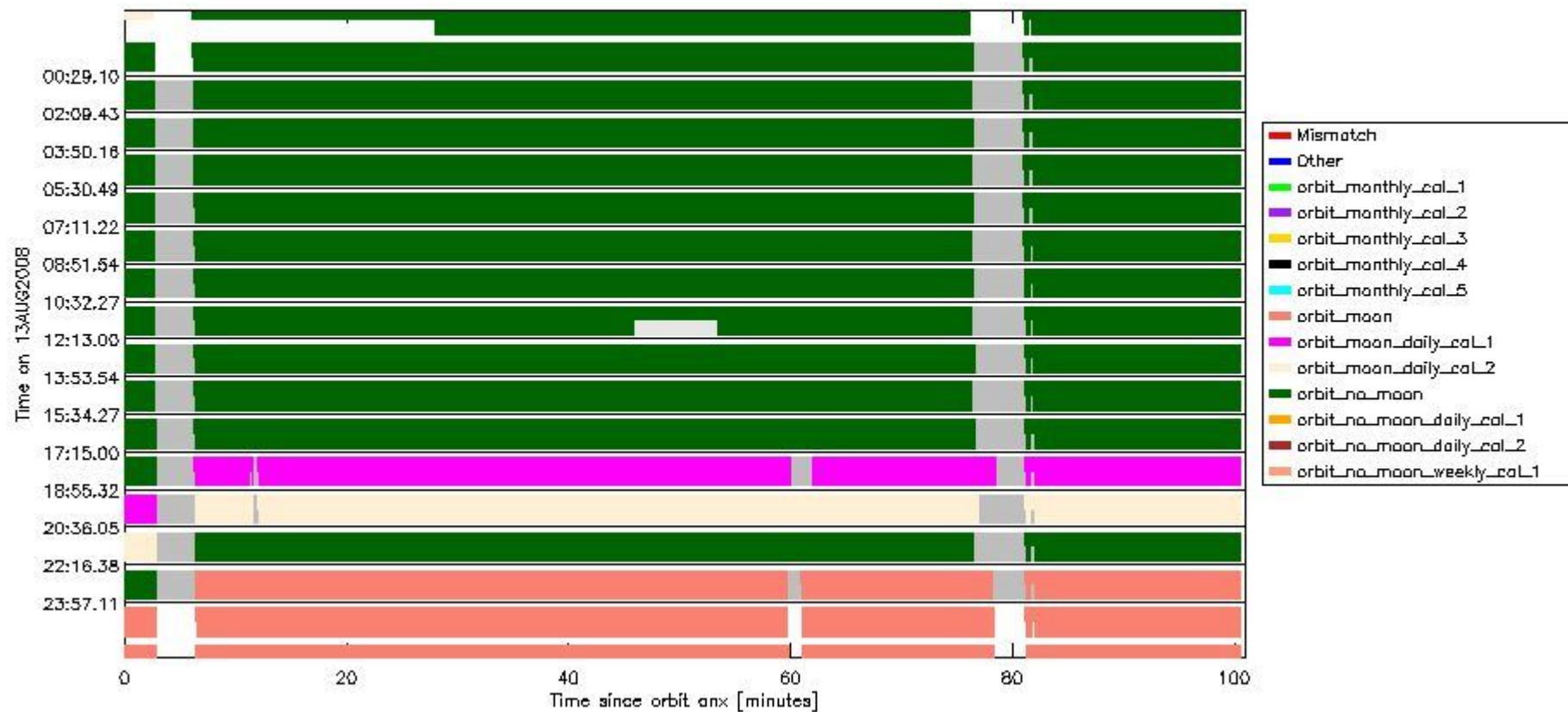


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080813_5.PNG

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 13AUG2008.
 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_20080813_6.PNG

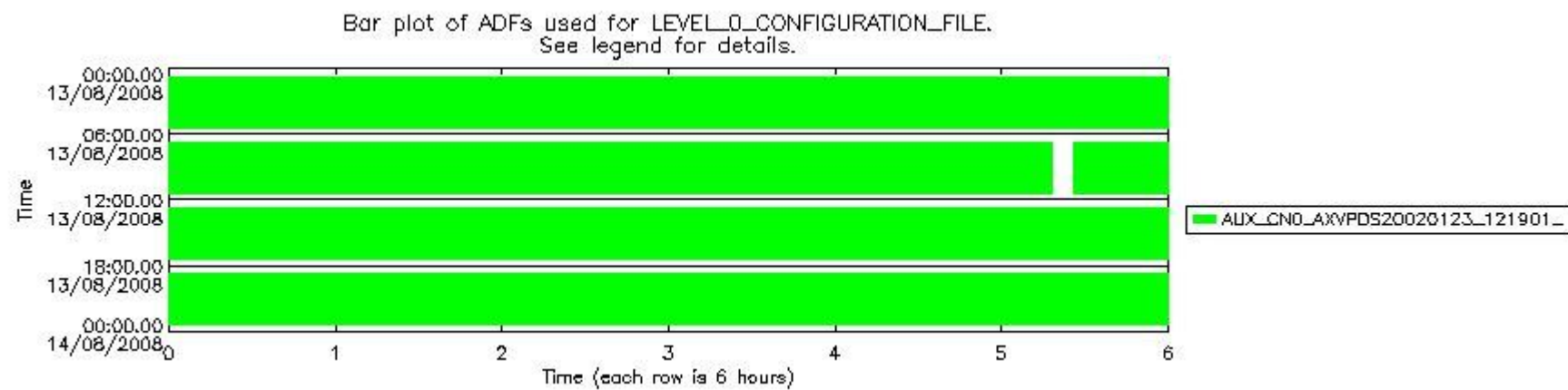
0.4 ADF monitoring

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

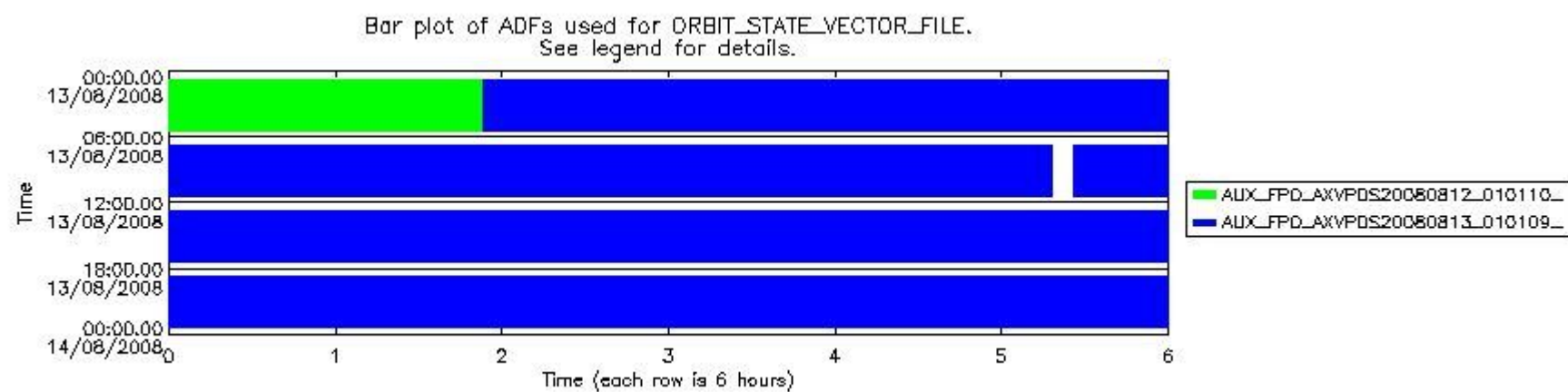
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

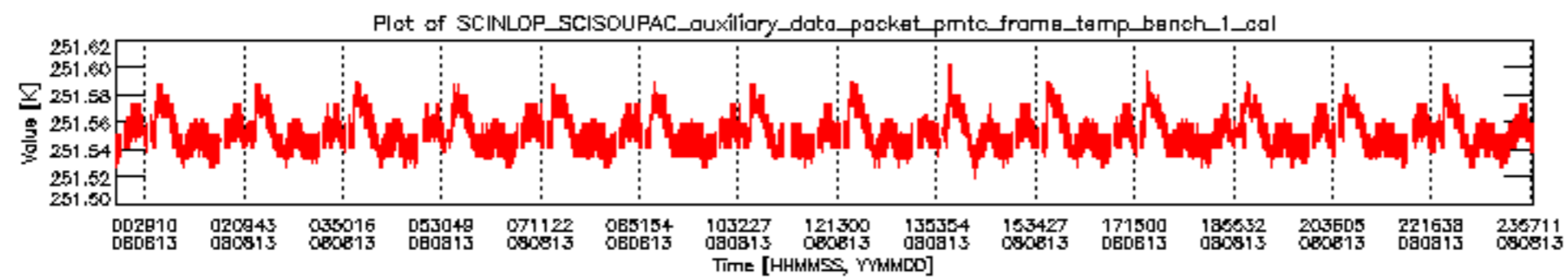
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080812_010110_20080811_195848_20080821_212500
2	AUX_FPO_AXVPDS20080813_010109_20080812_192711_20080822_205323

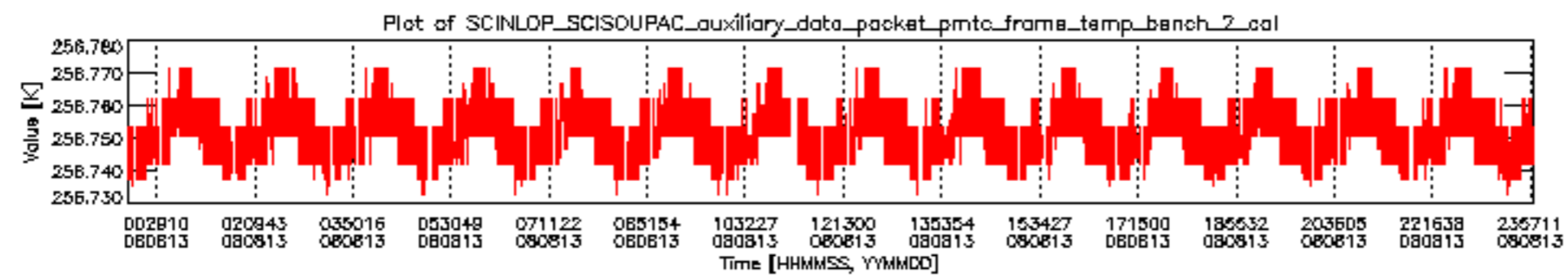


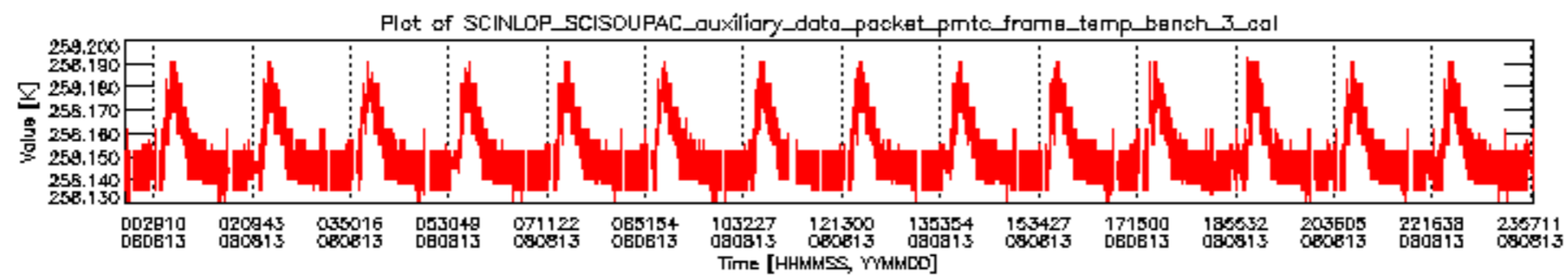
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080813_7.PNG

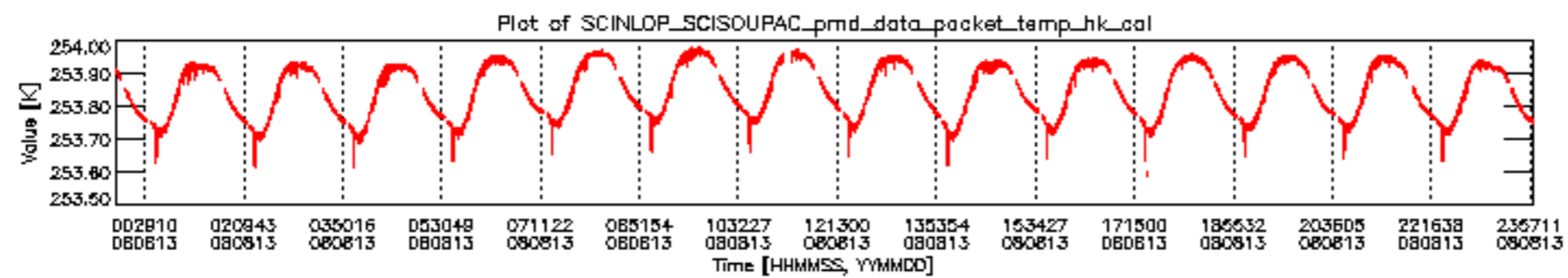


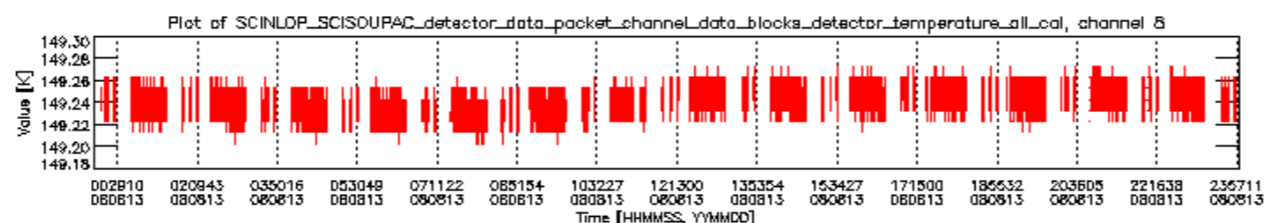
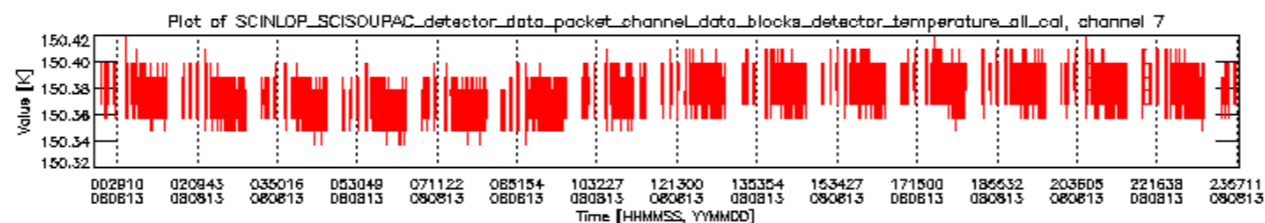
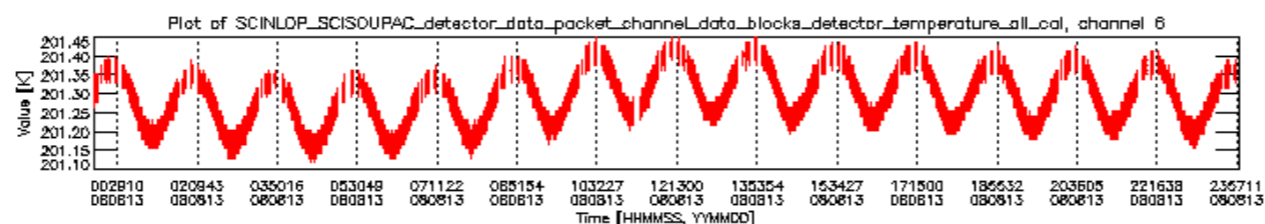
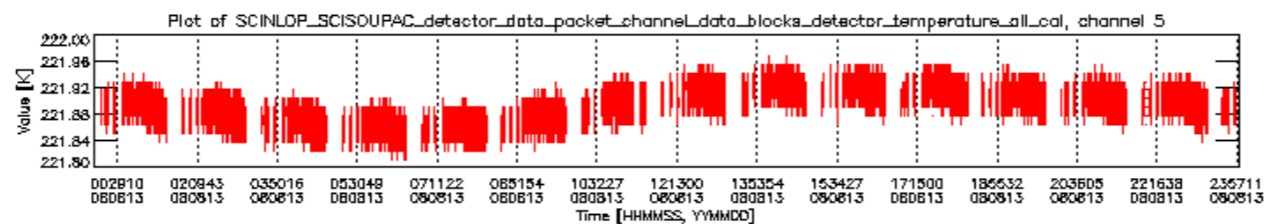
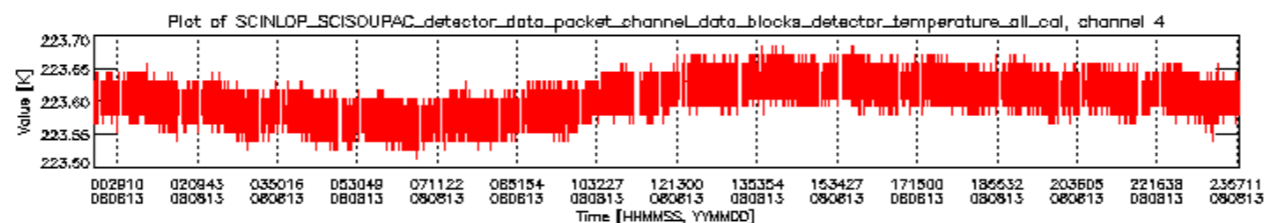
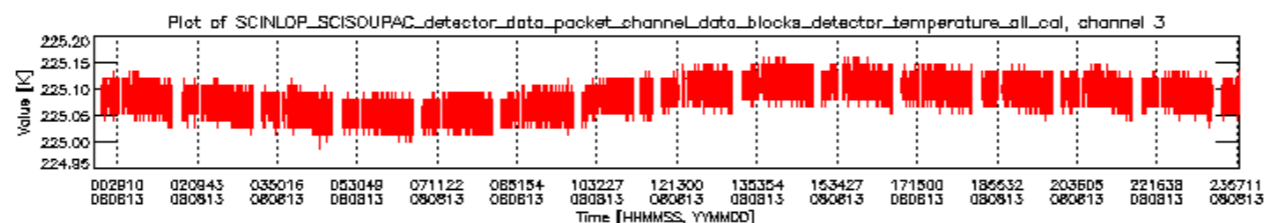
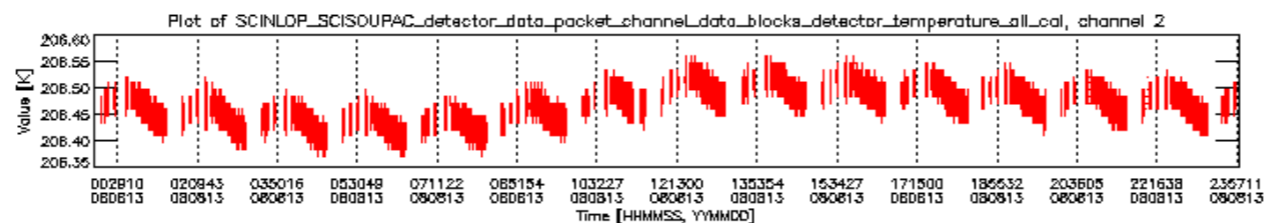
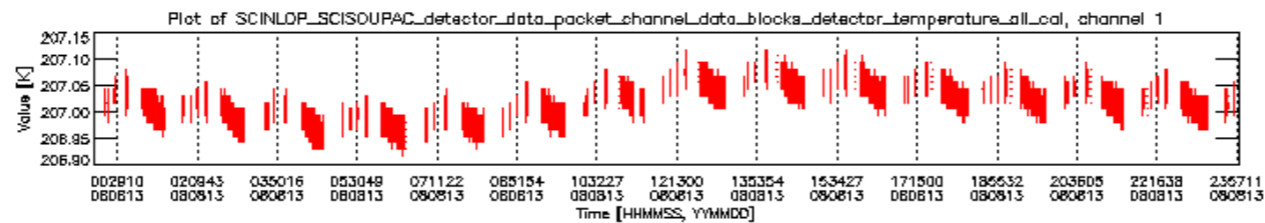
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080813_8.PNG











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 13AUG2008.
 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.

