

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	20JUL2008 05:16:21
Data source version	KSPT_L0/4303-N
Processing scope for products	16JUL2008 00:00:00 to 17JUL2008 00:00:00
Start time of first product within scope	15JUL2008 23:55:06
Stop time of last product within scope	17JUL2008 01:06:52
Total number of level 0 products	16
Number of level 0 products with errors	2

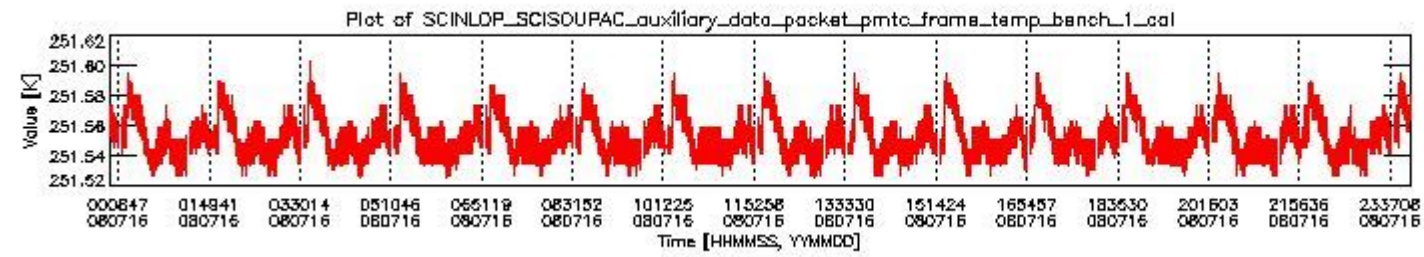
0.1.2 Summary per product

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

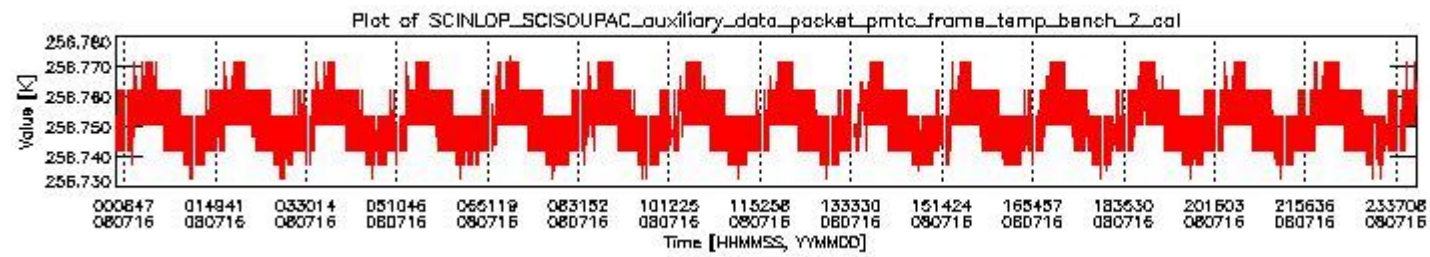
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080715_235506_000060722070_00216_33336_7114.N1	15JUL2008 23:55:06	16JUL2008 01:36:19	0	0	0	0	0
1	SCI_NL__OPNPDE20080716_013545_000047082070_00217_33337_7115.N1	16JUL2008 01:35:45	16JUL2008 02:54:13	0	0	0	0	0
2	SCI_NL__OPNPDE20080716_025304_000058252070_00218_33338_7116.N1	16JUL2008 02:53:04	16JUL2008 04:30:09	0	0	0	0	0
3	SCI_NL__OPNPDE20080716_043009_000060342070_00219_33339_7117.N1	16JUL2008 04:30:09	16JUL2008 06:10:44	0	0	0	0	0
4	SCI_NL__OPNPDK20080716_061044_000041592070_00220_33340_8779.N1	16JUL2008 06:10:44	16JUL2008 07:20:02	0	0	0	0	0
5	SCI_NL__OPNPDK20080716_071907_000061602070_00221_33341_8780.N1	16JUL2008 07:19:07	16JUL2008 09:01:47	0	0	0	0	0
6	SCI_NL__OPNPDK20080716_090147_000059122070_00222_33342_8781.N1	16JUL2008 09:01:47	16JUL2008 10:40:19	1	1	1	0	1
7	SCI_NL__OPNPDK20080716_103910_000060362070_00223_33343_8782.N1	16JUL2008 10:39:10	16JUL2008 12:19:46	0	0	0	0	0
8	SCI_NL__OPNPDK20080716_121850_000060362070_00224_33344_8783.N1	16JUL2008 12:18:50	16JUL2008 13:59:26	0	0	0	0	0
9	SCI_NL__OPNPDK20080716_135926_000057872070_00225_33345_8784.N1	16JUL2008 13:59:26	16JUL2008 15:35:54	0	0	0	0	0
10	SCI_NL__OPNPDK20080716_153554_000058342070_00226_33346_8785.N1	16JUL2008 15:35:54	16JUL2008 17:13:07	0	0	0	0	0
11	SCI_NL__OPNPDK20080716_171103_000061312070_00227_33347_8786.N1	16JUL2008 17:11:03	16JUL2008 18:53:14	1	1	0	0	0
12	SCI_NL__OPNPDK20080716_185205_000060192070_00228_33348_8787.N1	16JUL2008 18:52:05	16JUL2008 20:32:25	0	0	0	0	0
13	SCI_NL__OPNPDE20080716_203020_000043922070_00229_33349_7118.N1	16JUL2008 20:30:20	16JUL2008 21:43:33	0	0	0	0	0
14	SCI_NL__OPNPDE20080716_214259_000060782070_00229_33349_7119.N1	16JUL2008 21:42:59	16JUL2008 23:24:17	0	0	0	0	0
15	SCI_NL__OPNPDE20080716_232248_000062442070_00230_33350_7120.N1	16JUL2008 23:22:48	17JUL2008 01:06:52	0	0	0	0	0

0.2 Product Quality Indicators

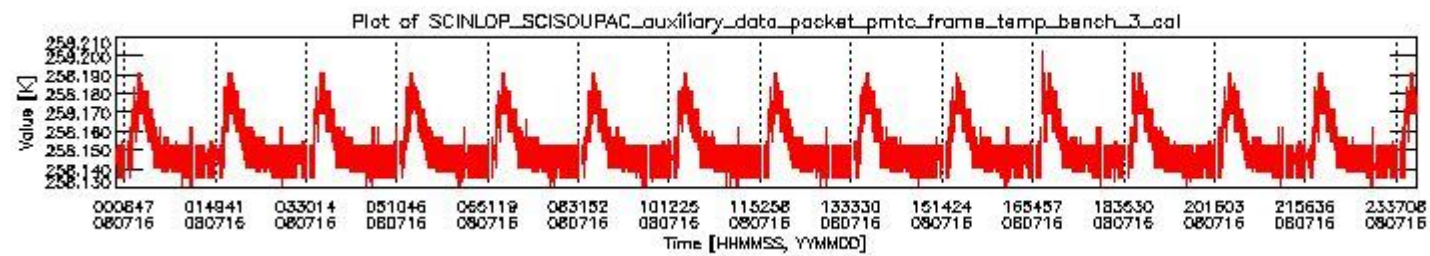
This section shows information about product quality, currently temperatures.



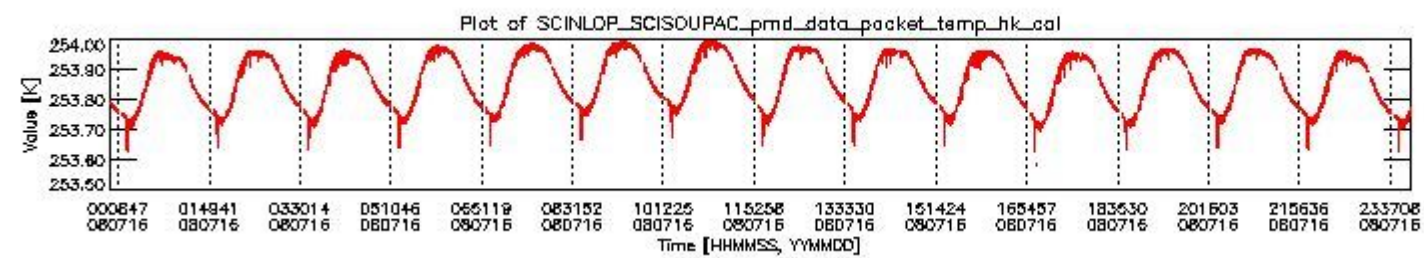
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080716_0.PNG



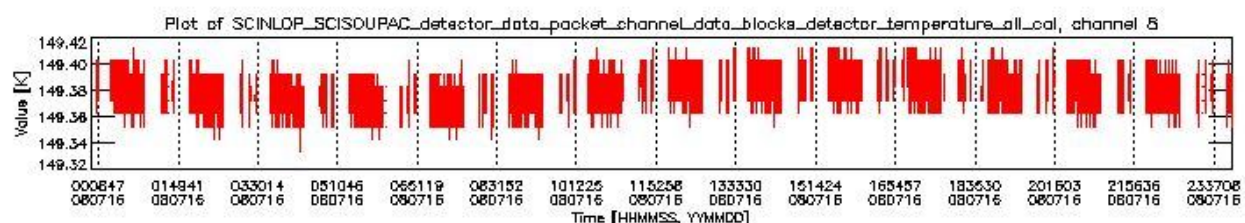
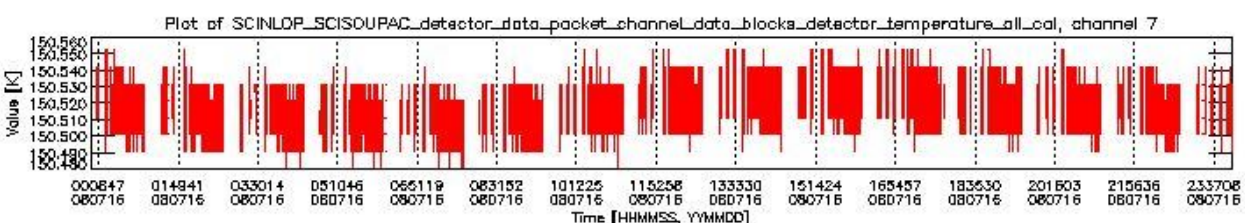
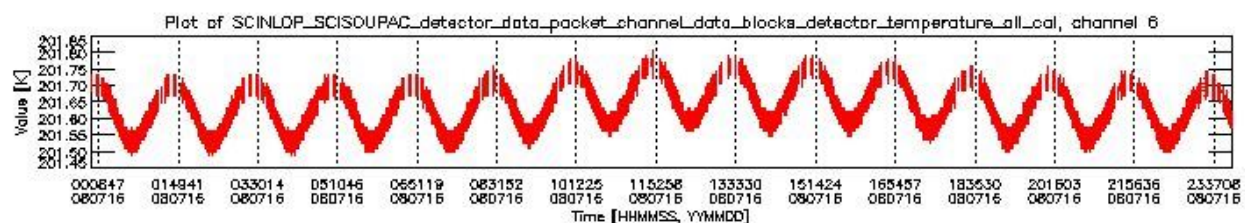
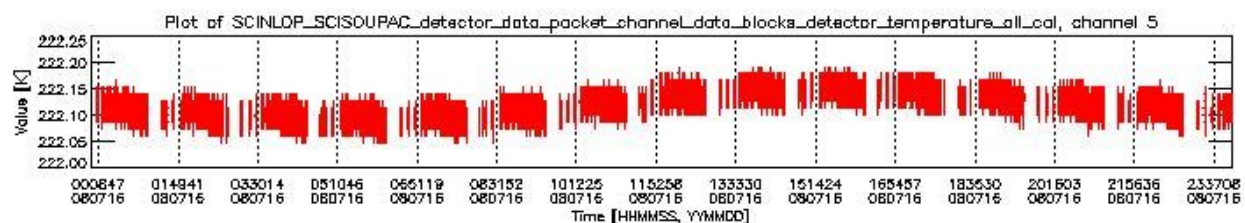
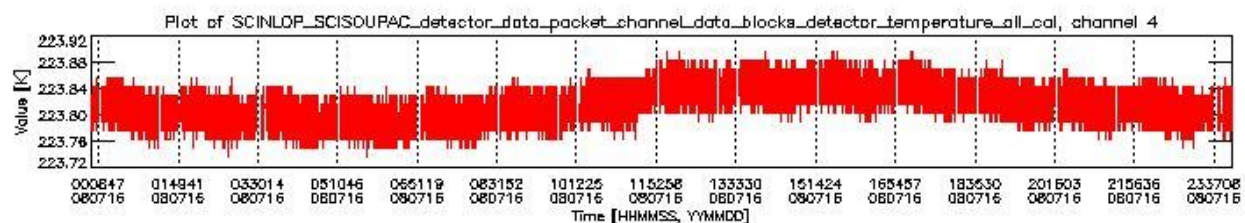
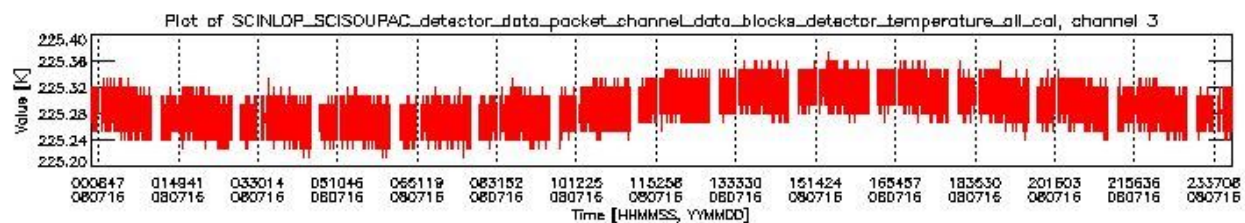
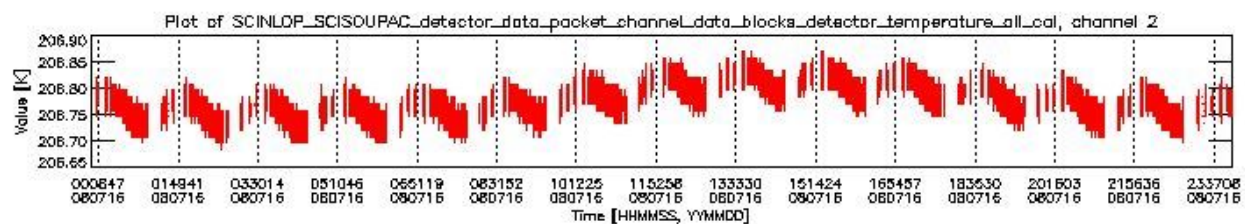
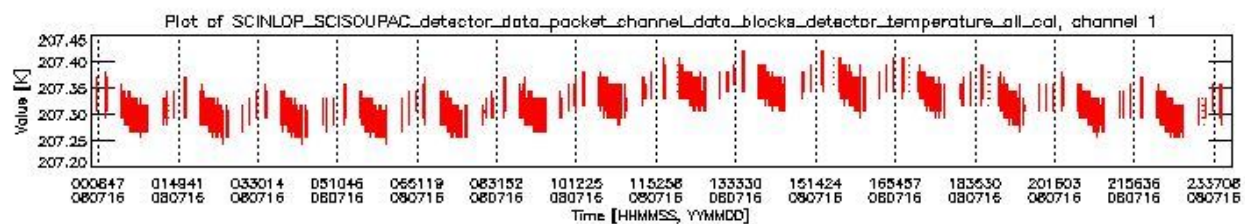
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080716_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080716_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080716_3.PNG

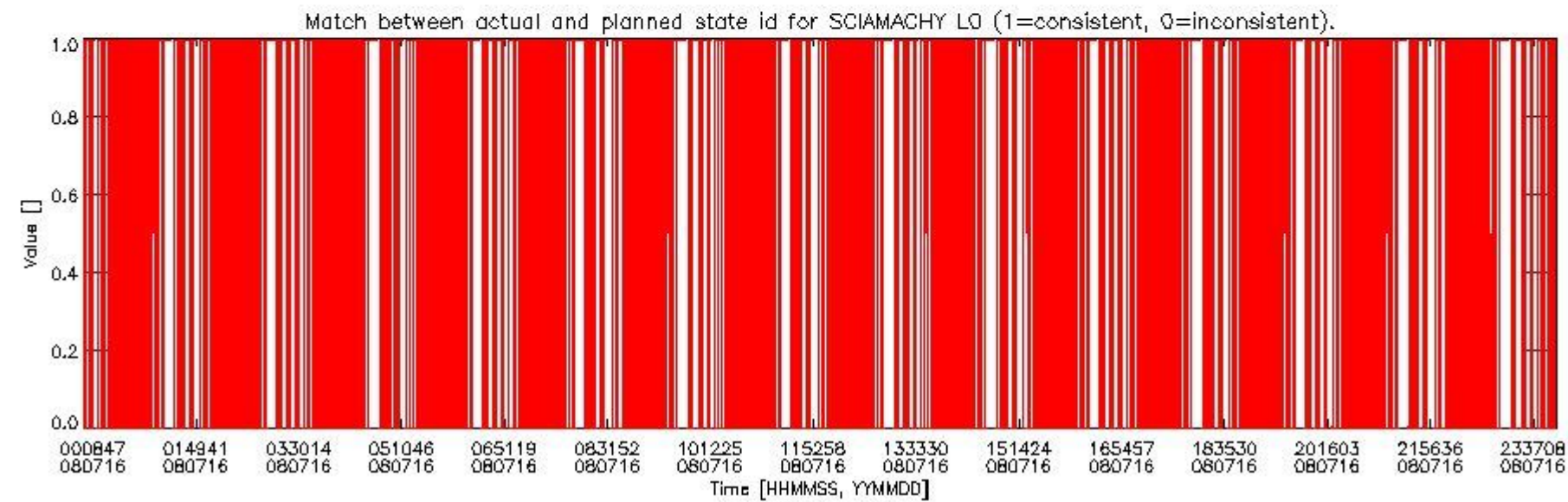
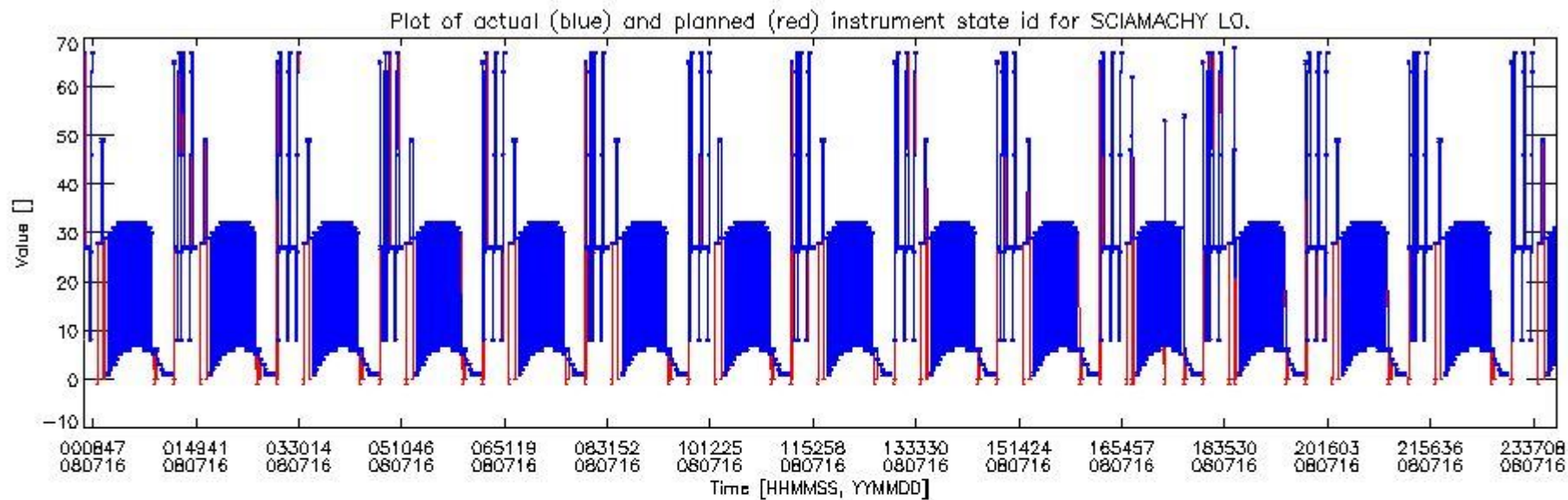


0.3 State monitoring

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: **29642**

#	Actual time	Actual value	Planned time	Planned value
0	16JUL2008 00:00:46.797614	27	16JUL2008 00:00:46.797614	67
1	16JUL2008 00:00:47.797649	27	16JUL2008 00:00:47.797649	67
2	16JUL2008 00:00:48.735121	27	16JUL2008 00:00:48.735121	67
3	16JUL2008 00:00:49.485147	27	16JUL2008 00:00:49.485147	67
4	16JUL2008 00:00:50.422619	27	16JUL2008 00:00:50.422619	67
5	16JUL2008 00:00:51.172645	27	16JUL2008 00:00:51.172645	67
6	16JUL2008 00:00:51.797627	27	16JUL2008 00:00:51.797627	67
7	16JUL2008 00:00:52.110118	27	16JUL2008 00:00:52.110118	67
8	16JUL2008 00:00:52.860144	27	16JUL2008 00:00:52.860144	67
9	16JUL2008 00:05:55.207810	8	16JUL2008 00:05:55.207810	27
10	16JUL2008 00:05:56.332809	8	16JUL2008 00:05:56.332809	27
11	16JUL2008 00:05:57.332844	8	16JUL2008 00:05:57.332844	27
12	16JUL2008 00:05:58.332838	8	16JUL2008 00:05:58.332838	27
13	16JUL2008 00:05:59.332833	8	16JUL2008 00:05:59.332833	27
14	16JUL2008 00:06:00.207823	8	16JUL2008 00:06:00.207823	27
15	16JUL2008 00:06:00.332827	8	16JUL2008 00:06:00.332827	27
16	16JUL2008 00:06:01.332822	8	16JUL2008 00:06:01.332822	27
17	16JUL2008 00:06:38.766415	26	16JUL2008 00:06:38.766415	8
18	16JUL2008 00:06:39.391437	26	16JUL2008 00:06:39.391437	8
19	16JUL2008 00:06:39.891414	26	16JUL2008 00:06:39.891414	8
...

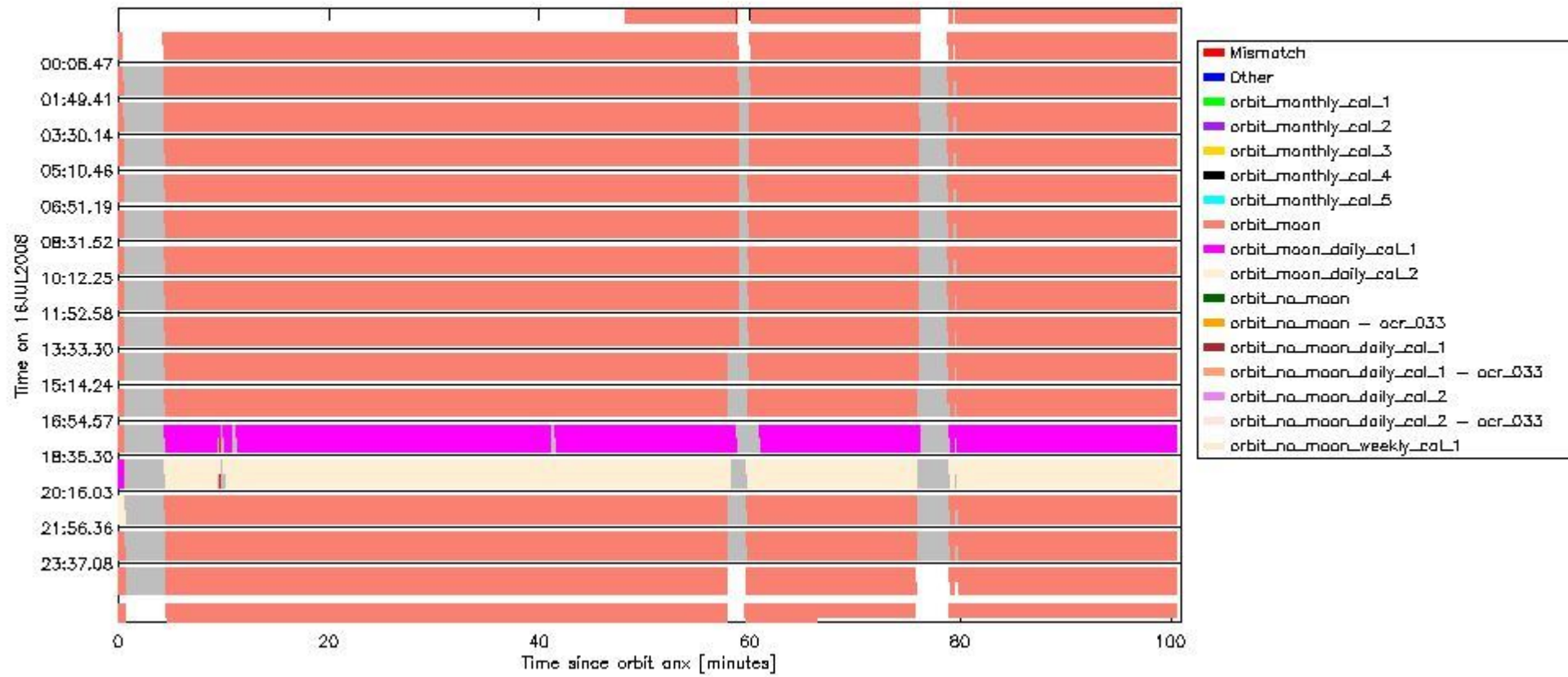


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080716_5.PNG

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 16JUL2008.
 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_20080716_6.PNG

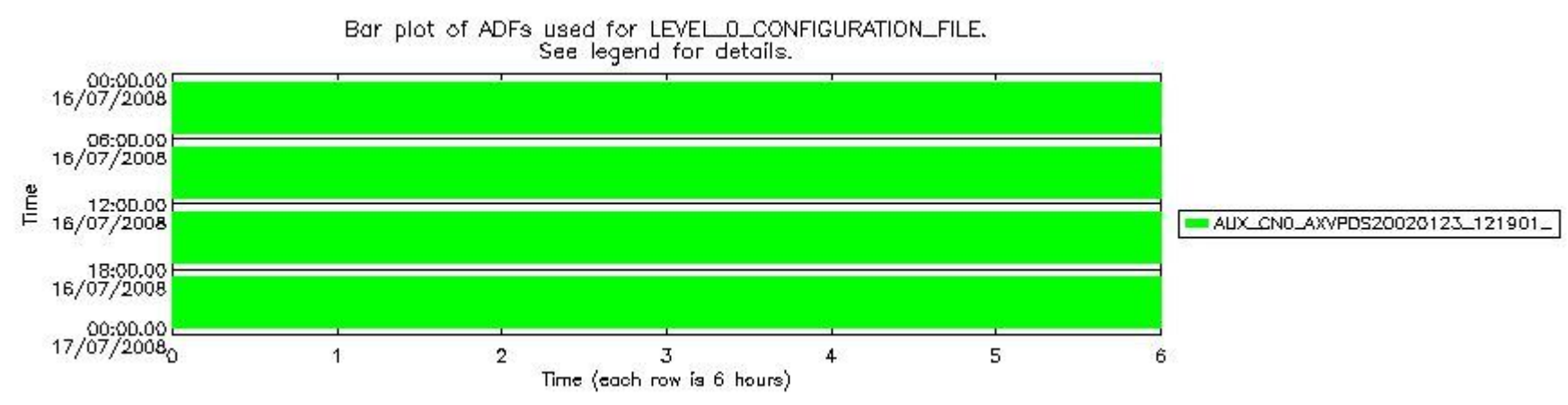
0.4 ADF monitoring

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

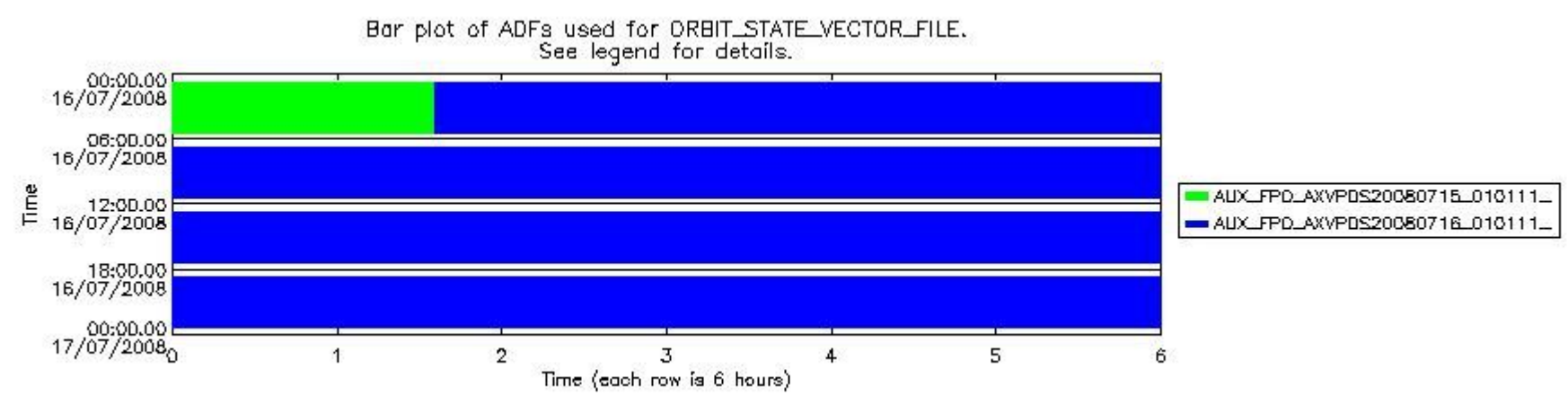
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

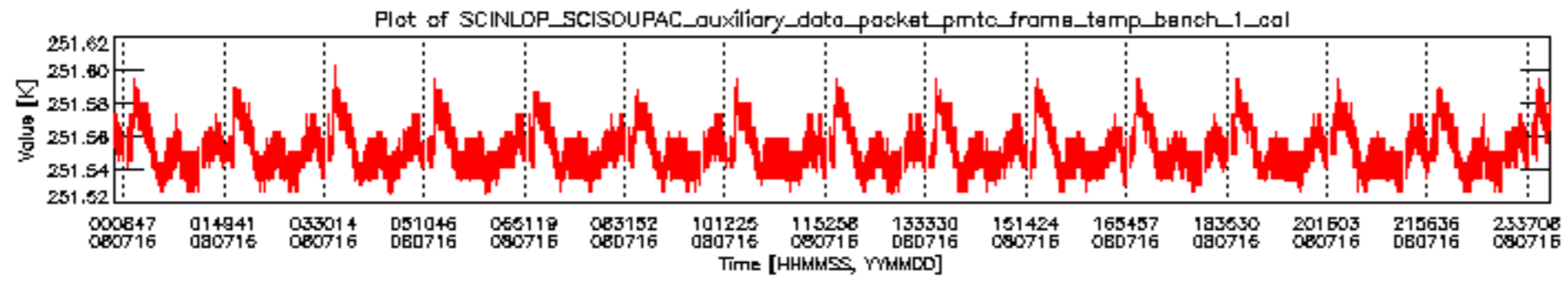
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080715_010111_20080714_193842_20080724_210455
2	AUX_FPO_AXVPDS20080716_010111_20080715_190705_20080725_203318

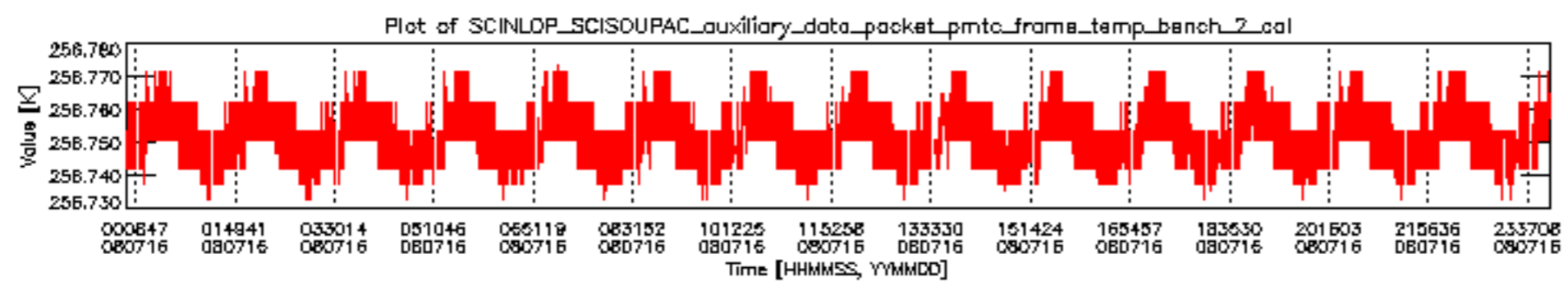


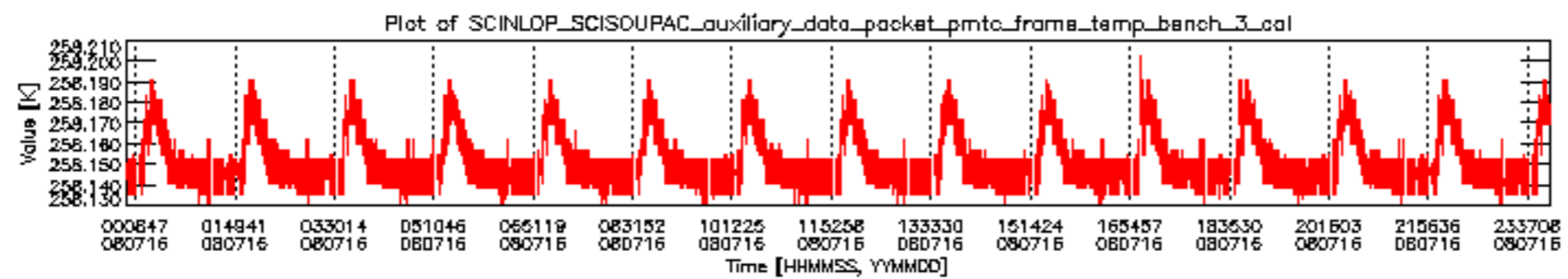
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080716_7.PNG

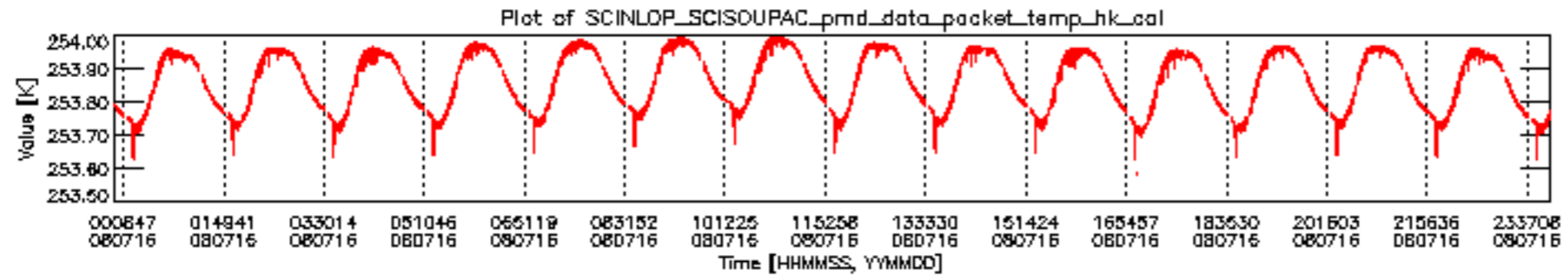


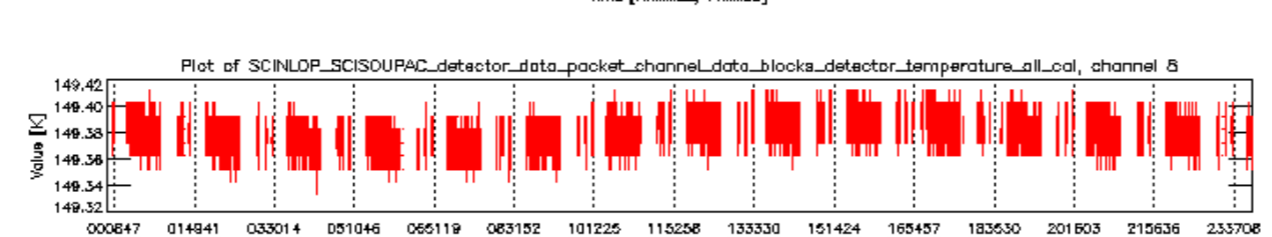
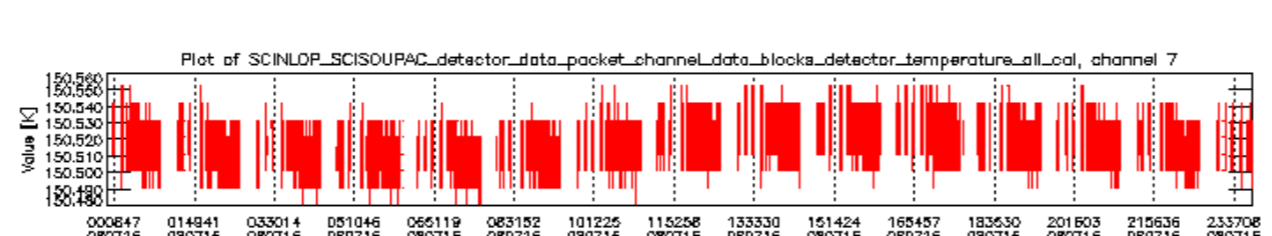
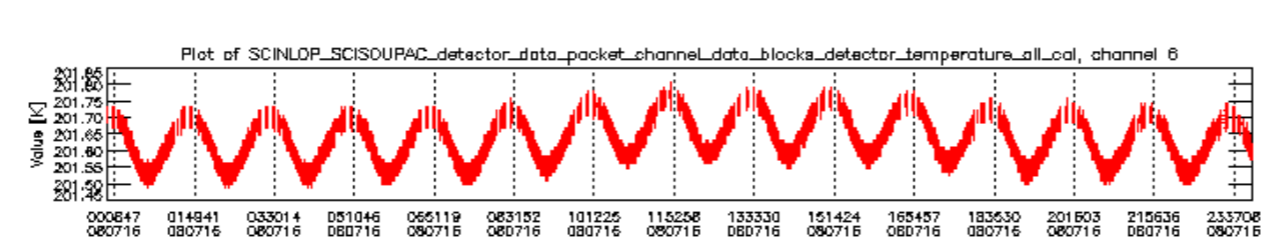
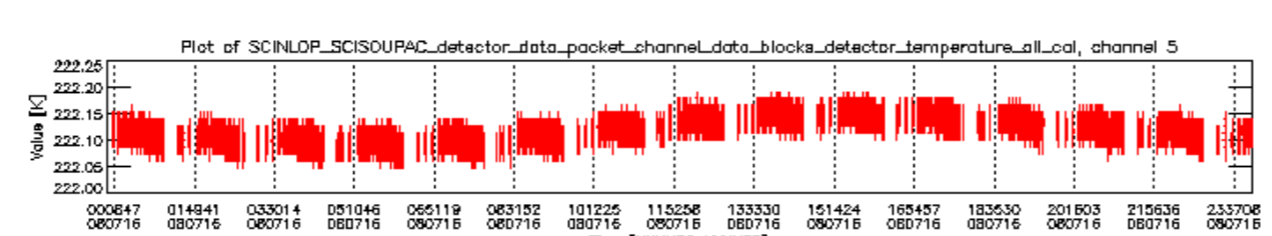
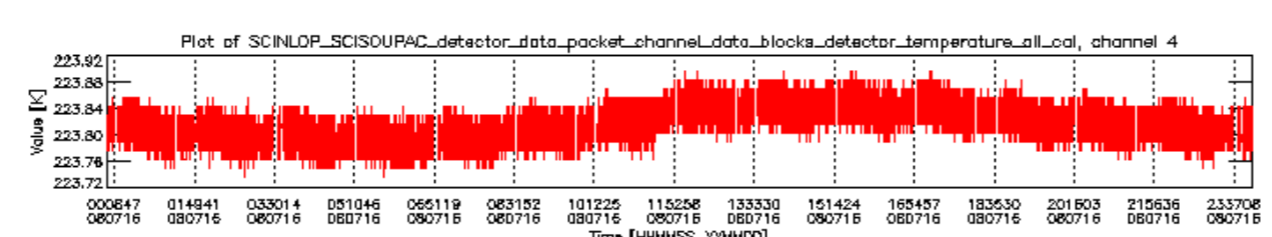
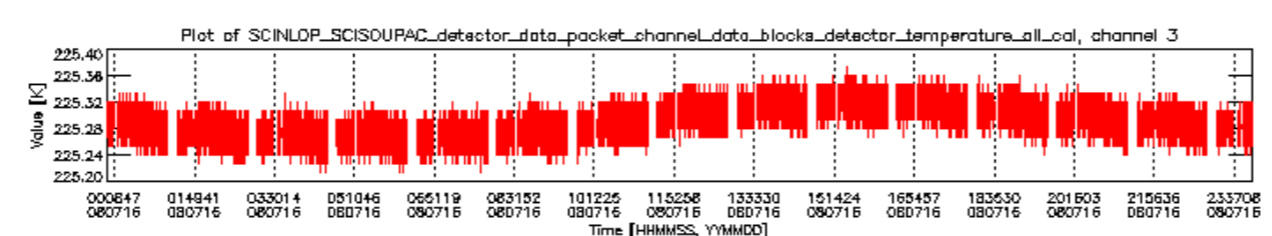
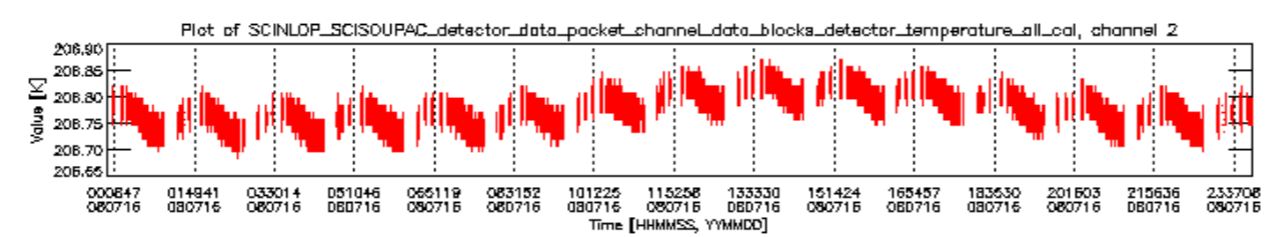
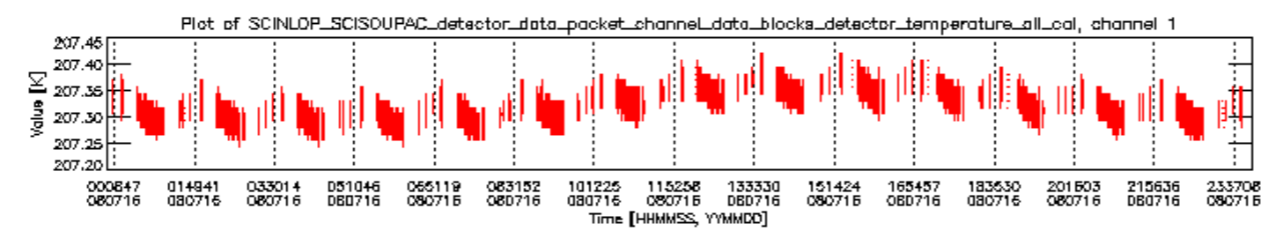
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080716_8.PNG











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 16JUL2008.
 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.

