

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	20APR2008 04:58:10
Data source version	KSPT_L0/4303-N
Processing scope for products	16APR2008 00:00:00 to 17APR2008 00:00:00
Start time of first product within scope	15APR2008 23:15:38
Stop time of last product within scope	16APR2008 22:45:17
Total number of level 0 products	15
Number of level 0 products with errors	1

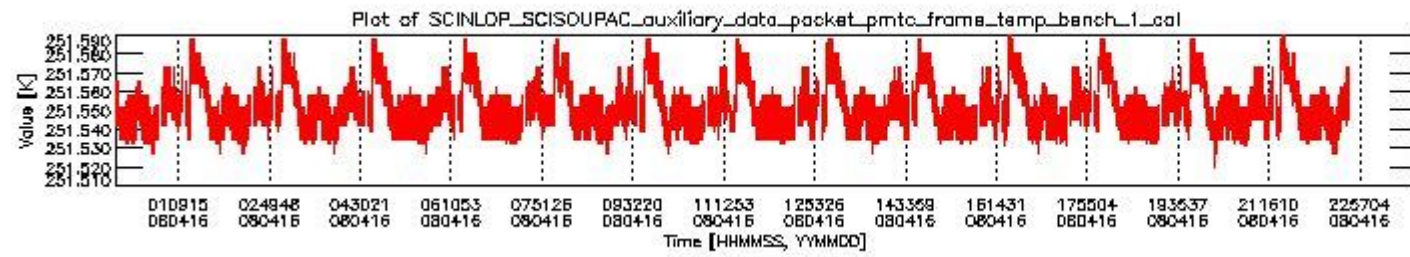
0.1.2 Summary per product

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

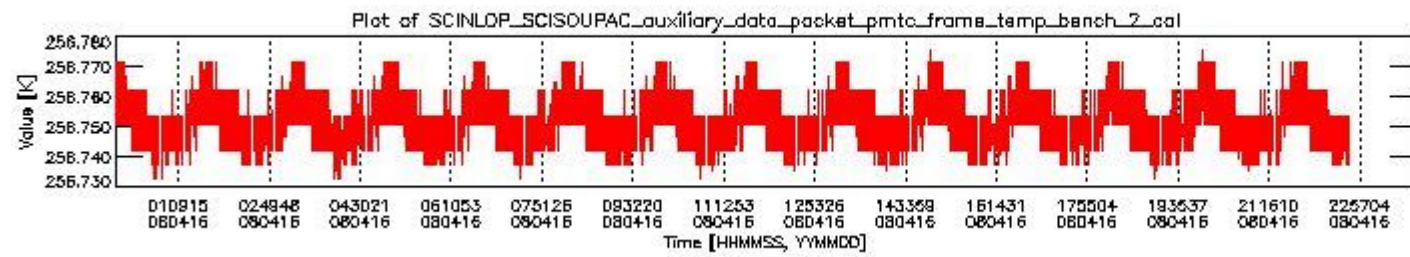
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080415_231538_000061632067_00416_32033_6330.N1	15APR2008 23:15:38	16APR2008 00:58:21	0	0	0	0	0
1	SCI_NL__OPNPDE20080416_005737_000046072067_00417_32034_6331.N1	16APR2008 00:57:37	16APR2008 02:14:24	0	0	0	0	0
2	SCI_NL__OPNPDE20080416_021328_000057872067_00418_32035_6332.N1	16APR2008 02:13:28	16APR2008 03:49:54	0	0	0	0	0
3	SCI_NL__OPNPDE20080416_034846_000061602067_00419_32036_6333.N1	16APR2008 03:48:46	16APR2008 05:31:26	0	0	0	0	0
4	SCI_NL__OPNPDE20080416_053126_000060362067_00420_32037_6334.N1	16APR2008 05:31:26	16APR2008 07:12:02	0	0	0	0	0
5	SCI_NL__OPNPDK20080416_071202_000040452067_00421_32038_7963.N1	16APR2008 07:12:02	16APR2008 08:19:26	0	0	0	0	0
6	SCI_NL__OPNPDK20080416_081830_000060912067_00422_32039_7964.N1	16APR2008 08:18:30	16APR2008 10:00:02	1	1	0	0	0
7	SCI_NL__OPNPDK20080416_100002_000060352067_00423_32040_7965.N1	16APR2008 10:00:02	16APR2008 11:40:37	0	0	0	0	0
8	SCI_NL__OPNPDK20080416_113941_000059112067_00424_32041_7966.N1	16APR2008 11:39:41	16APR2008 13:18:12	0	0	0	0	0
9	SCI_NL__OPNPDK20080416_131812_000059672067_00425_32042_7967.N1	16APR2008 13:18:12	16APR2008 14:57:39	0	0	0	0	0
10	SCI_NL__OPNPDK20080416_145535_000059802067_00426_32043_7968.N1	16APR2008 14:55:35	16APR2008 16:35:15	0	0	0	0	0
11	SCI_NL__OPNPDK20080416_163406_000058742067_00427_32044_7969.N1	16APR2008 16:34:06	16APR2008 18:12:00	0	0	0	0	0
12	SCI_NL__OPNPDK20080416_181009_000059802067_00428_32045_7970.N1	16APR2008 18:10:09	16APR2008 19:49:48	0	0	0	0	0
13	SCI_NL__OPNPDE20080416_194908_000042382067_00429_32046_6335.N1	16APR2008 19:49:08	16APR2008 20:59:46	0	0	0	0	0
14	SCI_NL__OPNPDE20080416_205818_000064192067_00429_32046_6336.N1	16APR2008 20:58:18	16APR2008 22:45:17	0	0	0	0	0

0.2 Product Quality Indicators

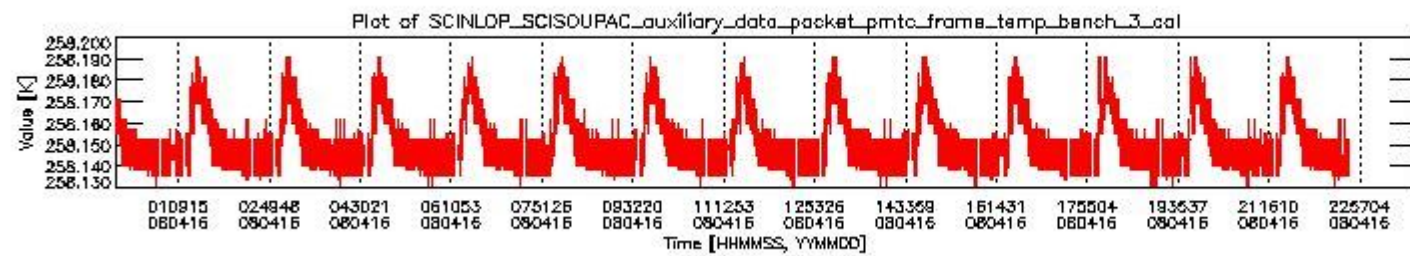
This section shows information about product quality, currently temperatures.



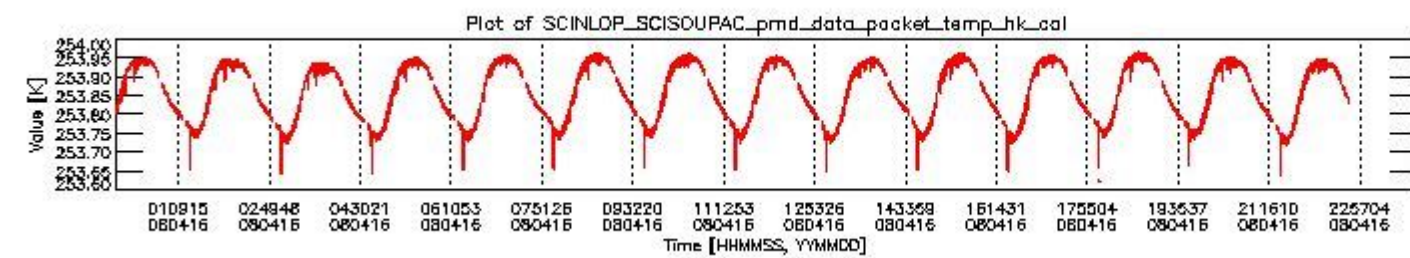
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080416_0.PNG



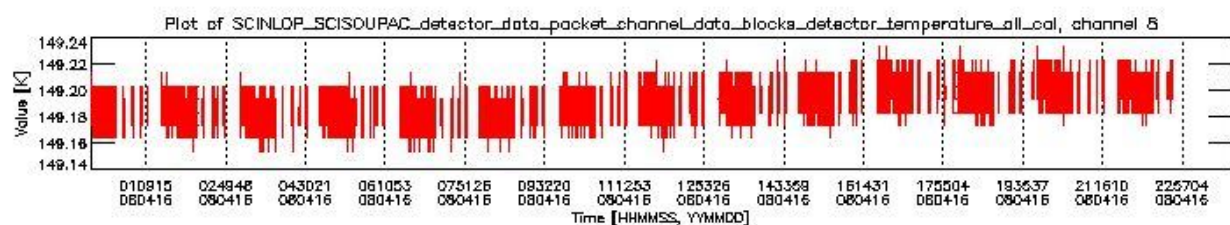
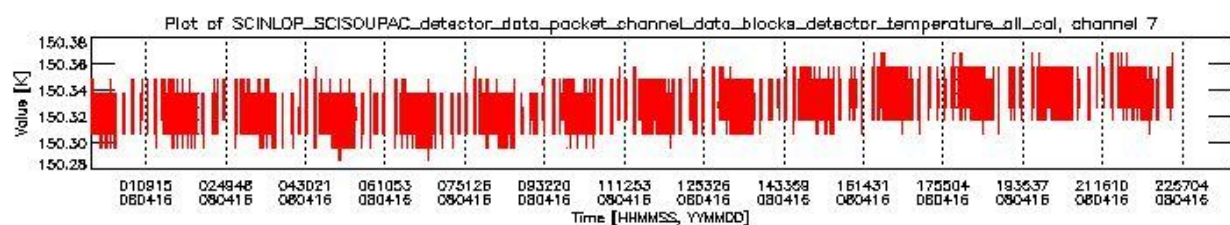
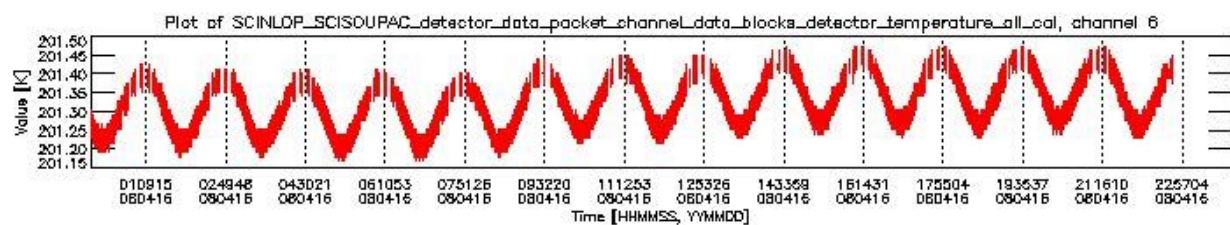
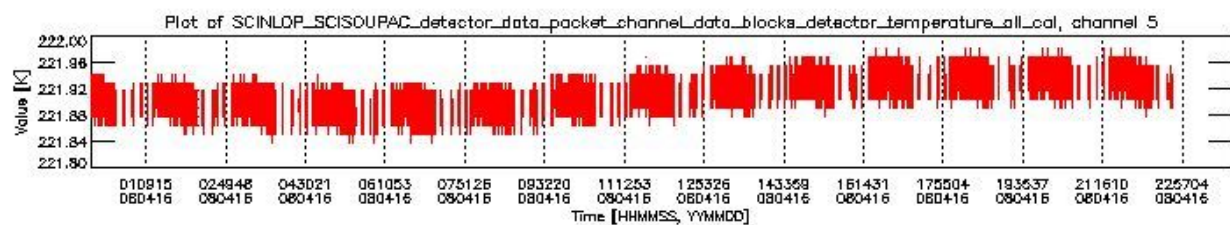
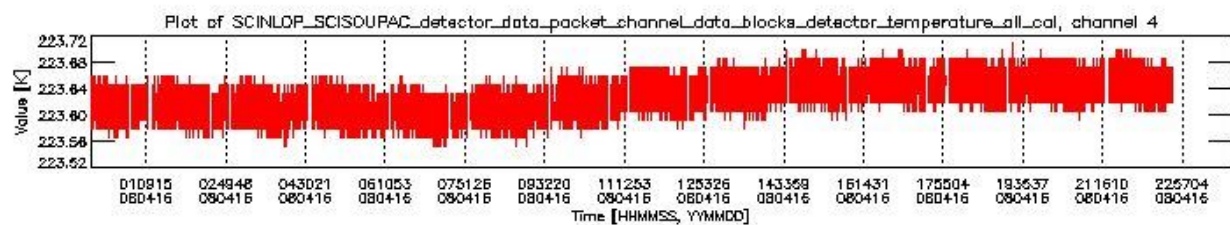
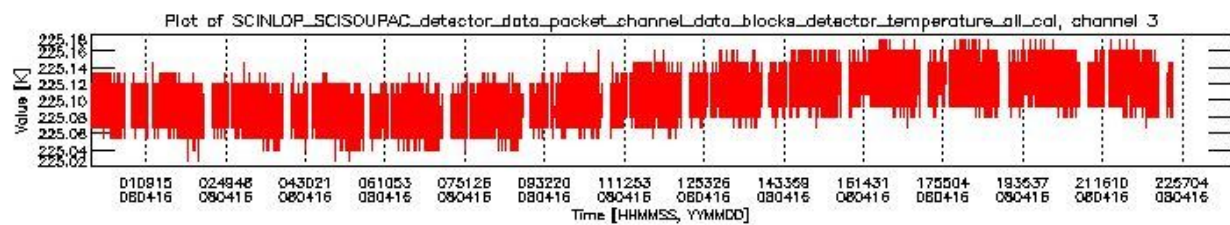
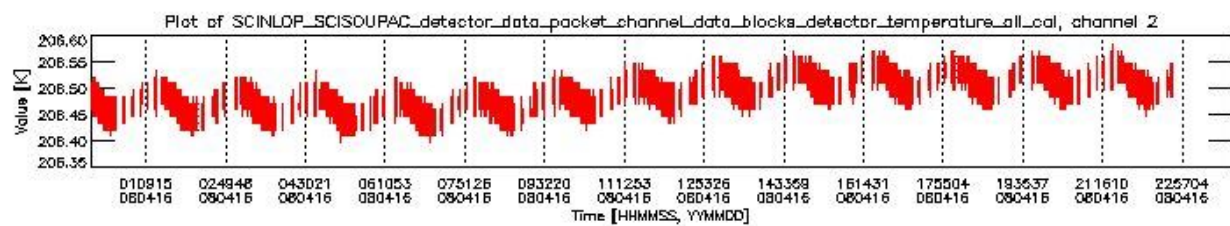
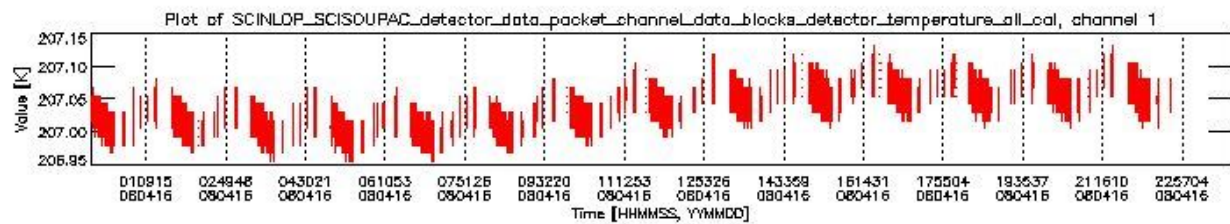
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080416_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080416_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080416_3.PNG

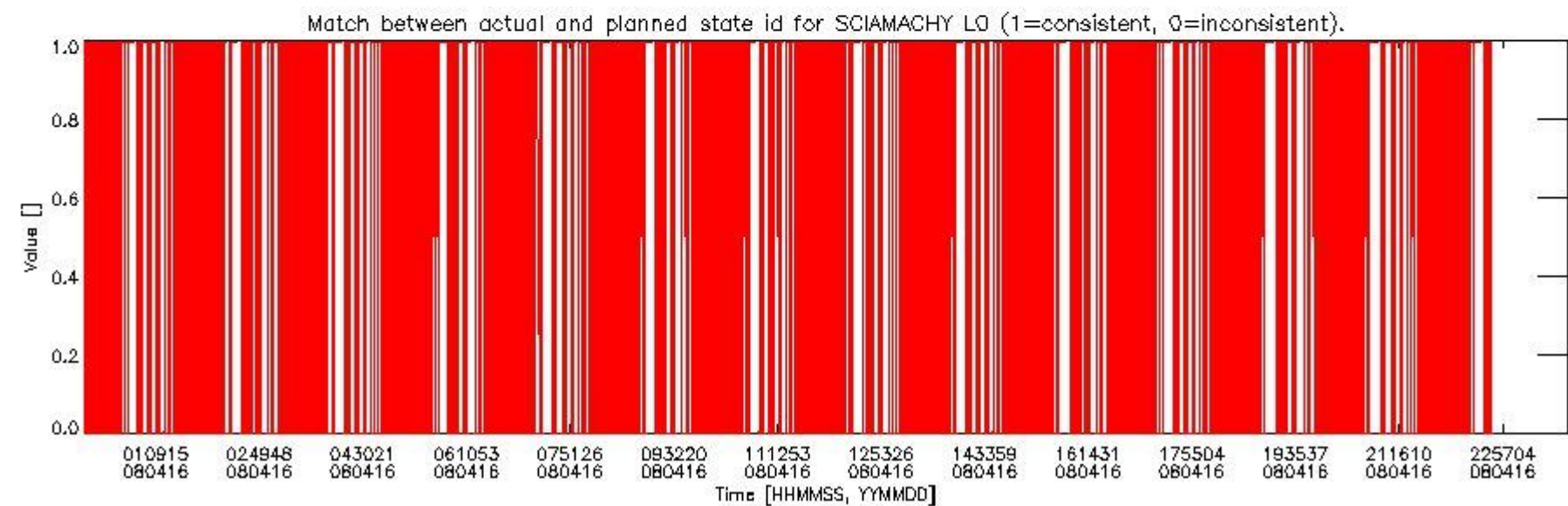
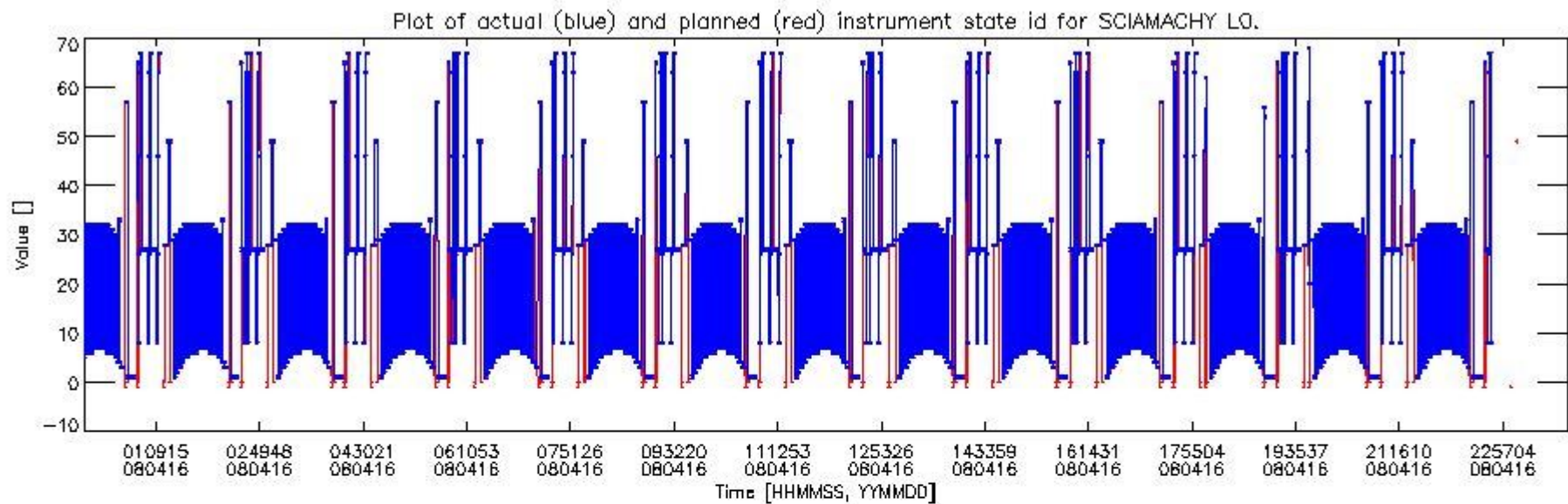


0.3 State monitoring

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: **38558**

#	Actual time	Actual value	Planned time	Planned value
0	16APR2008 00:00:37.827596	6	16APR2008 00:00:37.827596	32
1	16APR2008 00:00:38.202609	6	16APR2008 00:00:38.202609	32
2	16APR2008 00:00:38.452618	6	16APR2008 00:00:38.452618	32
3	16APR2008 00:00:38.702586	6	16APR2008 00:00:38.702586	32
4	16APR2008 00:00:38.952595	6	16APR2008 00:00:38.952595	32
5	16APR2008 00:00:39.202604	6	16APR2008 00:00:39.202604	32
6	16APR2008 00:00:39.452612	6	16APR2008 00:00:39.452612	32
7	16APR2008 00:00:39.702621	6	16APR2008 00:00:39.702621	32
8	16APR2008 00:00:39.952590	6	16APR2008 00:00:39.952590	32
9	16APR2008 00:00:40.202598	6	16APR2008 00:00:40.202598	32
10	16APR2008 00:00:40.452607	6	16APR2008 00:00:40.452607	32
11	16APR2008 00:00:40.702616	6	16APR2008 00:00:40.702616	32
12	16APR2008 00:00:40.952624	6	16APR2008 00:00:40.952624	32
13	16APR2008 00:00:41.202593	6	16APR2008 00:00:41.202593	32
14	16APR2008 00:00:41.452602	6	16APR2008 00:00:41.452602	32
15	16APR2008 00:00:41.702610	6	16APR2008 00:00:41.702610	32
16	16APR2008 00:00:41.952619	6	16APR2008 00:00:41.952619	32
17	16APR2008 00:00:42.202587	6	16APR2008 00:00:42.202587	32
18	16APR2008 00:00:42.452596	6	16APR2008 00:00:42.452596	32
19	16APR2008 00:00:42.702605	6	16APR2008 00:00:42.702605	32
...

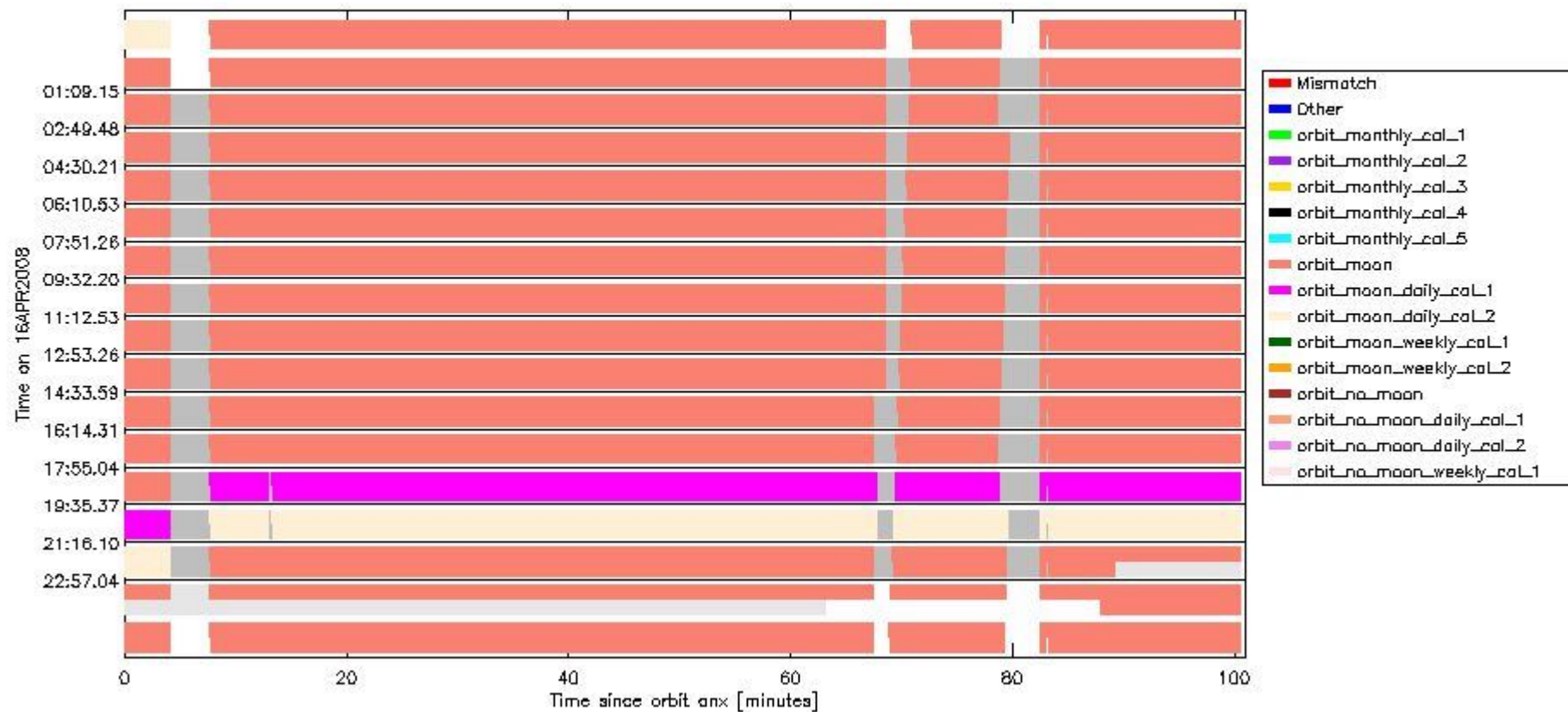


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080416_5.PNG

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 16APR2008.
 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_20080416_6.PNG

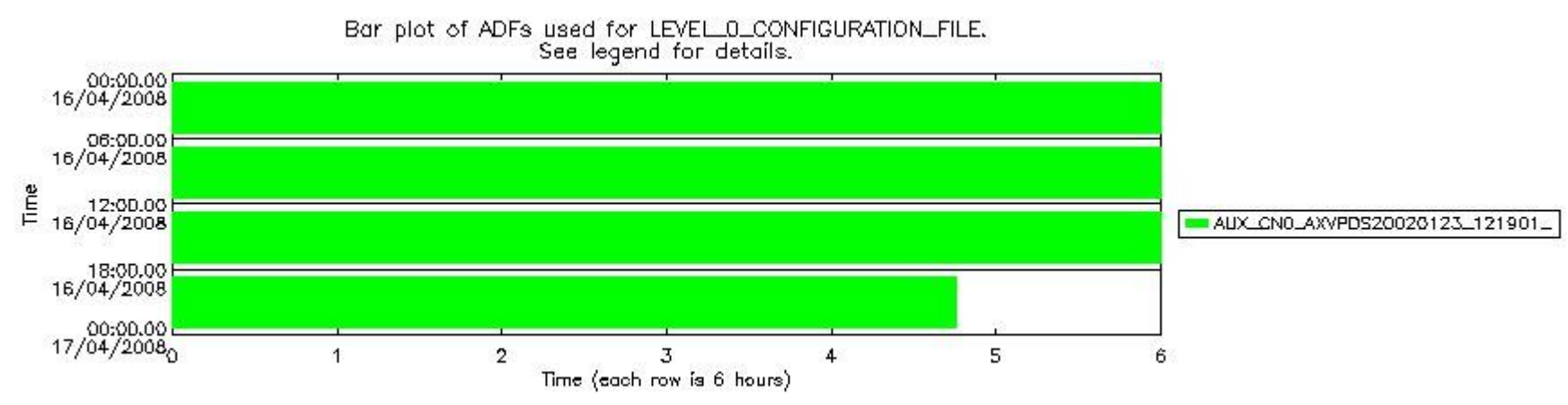
0.4 ADF monitoring

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

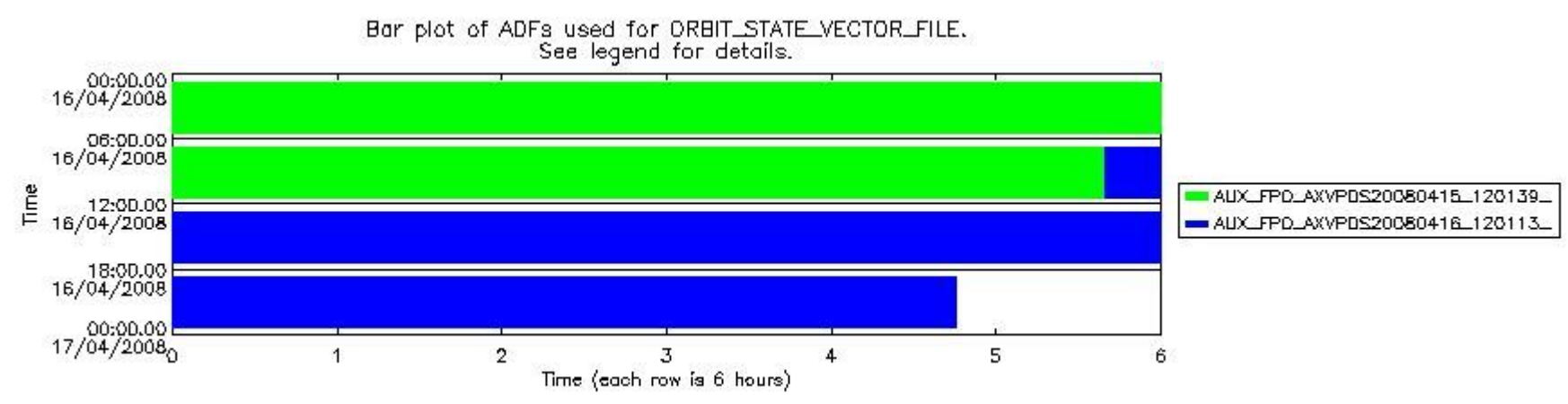
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

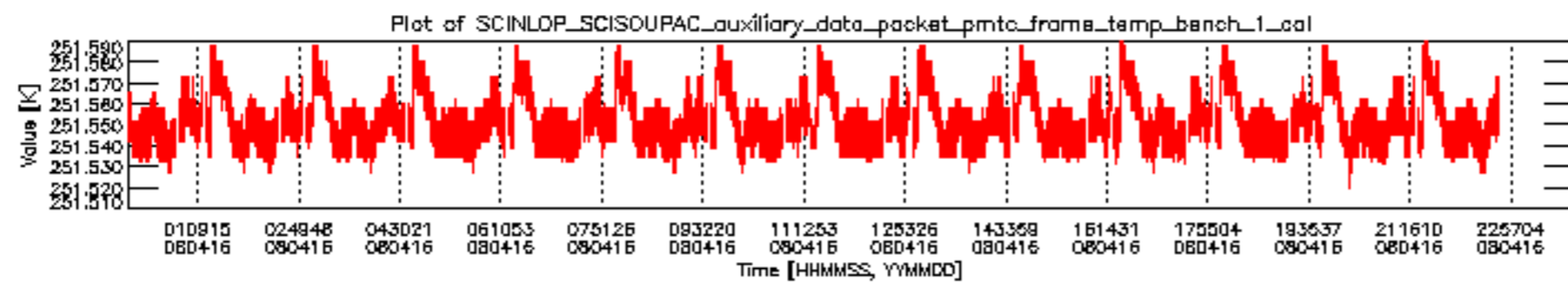
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080415_120139_20080414_185824_20080424_202437
2	AUX_FPO_AXVPDS20080416_120113_20080415_182647_20080425_213336

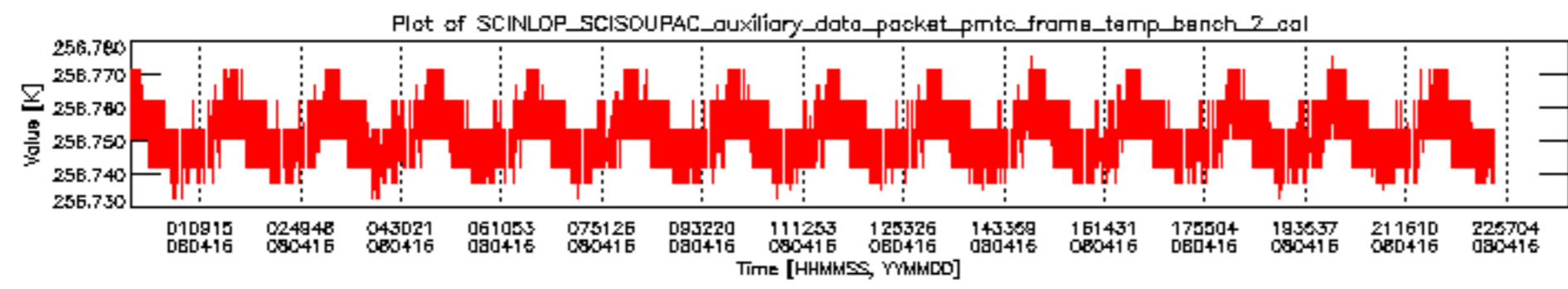


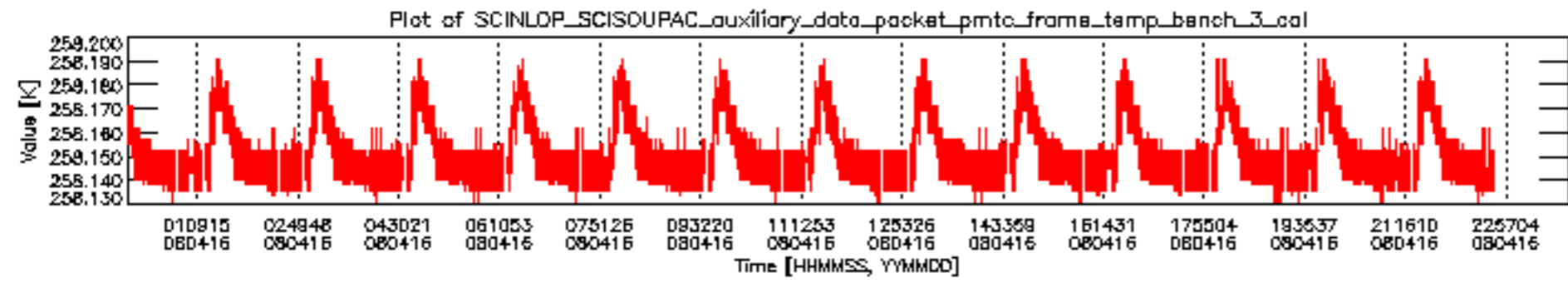
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080416_7.PNG

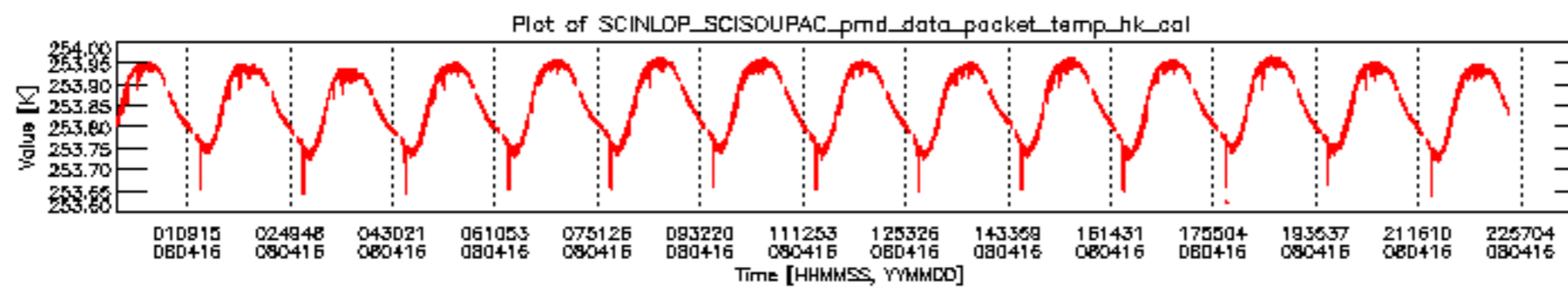


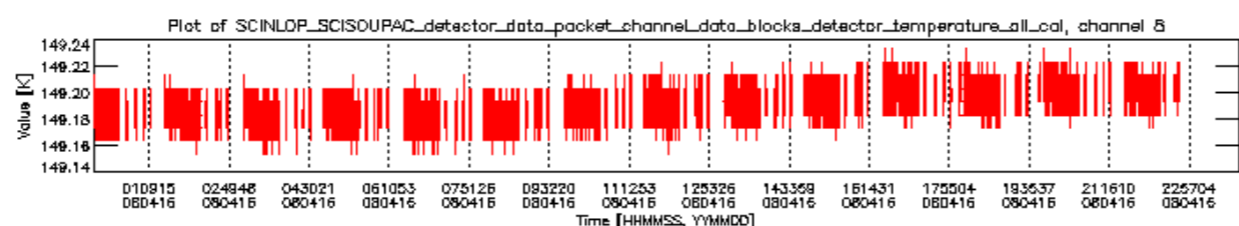
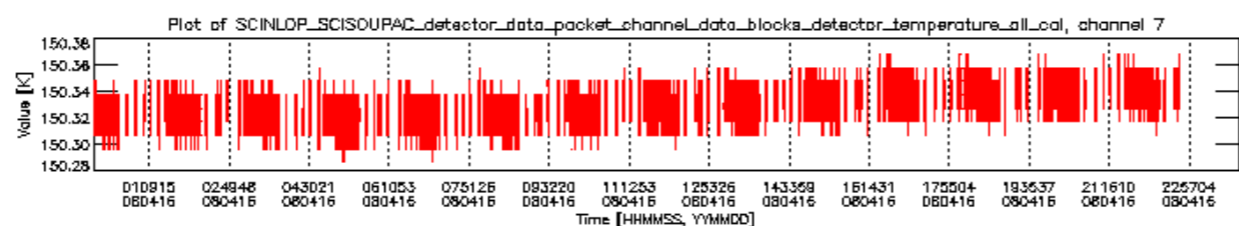
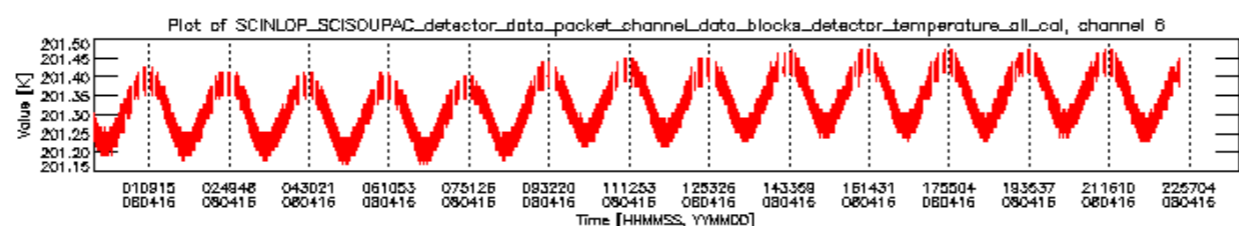
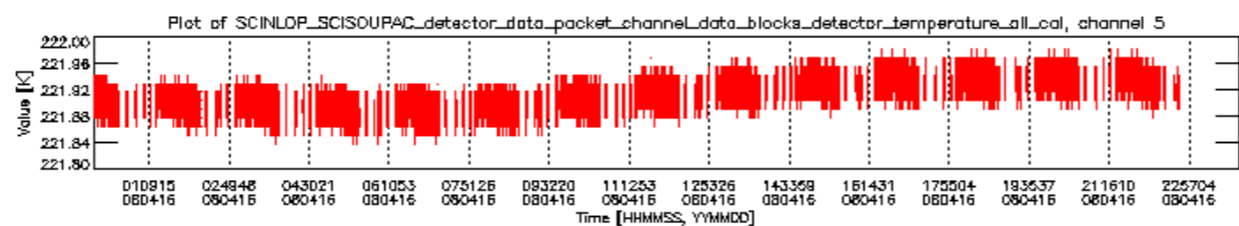
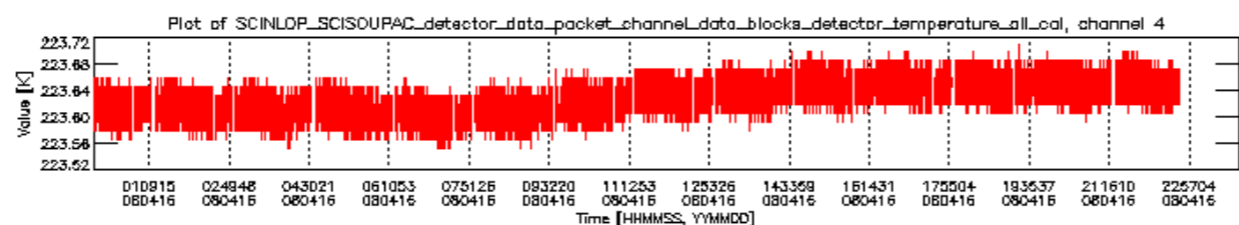
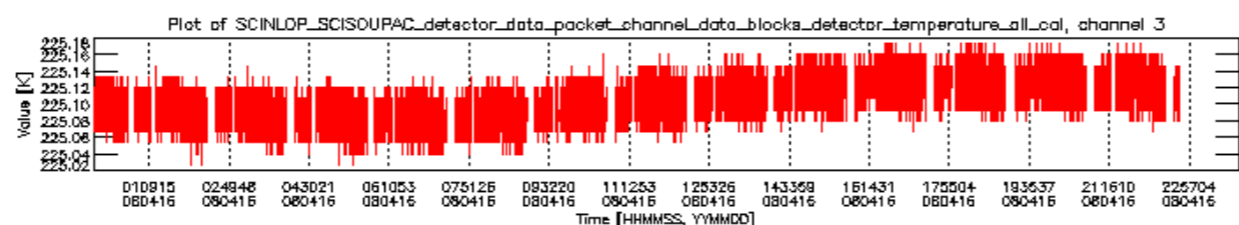
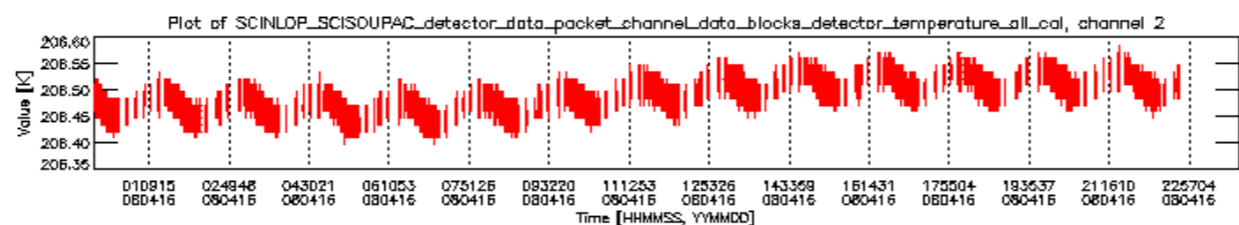
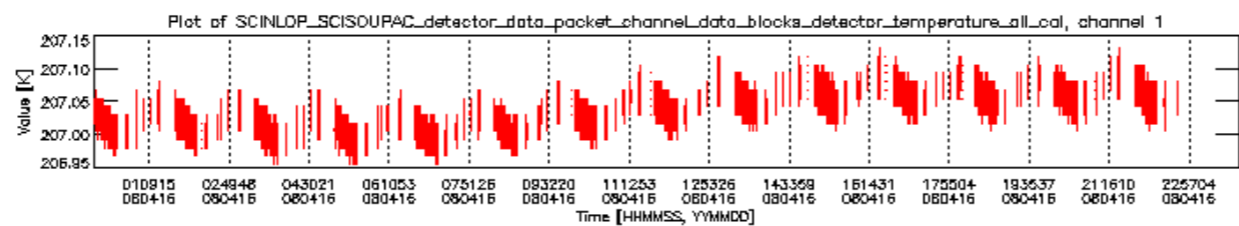
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080416_8.PNG











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