

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	06APR2008 05:23:55
Data source version	KSPT_L0/4303-N
Processing scope for products	02APR2008 00:00:00 to 03APR2008 00:00:00
Start time of first product within scope	01APR2008 22:46:11
Stop time of last product within scope	03APR2008 01:46:01
Total number of level 0 products	16
Number of level 0 products with errors	6

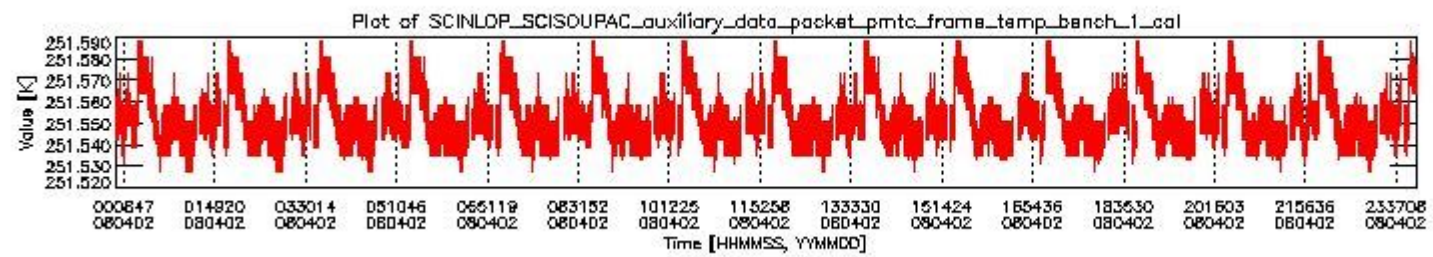
0.1.2 Summary per product

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

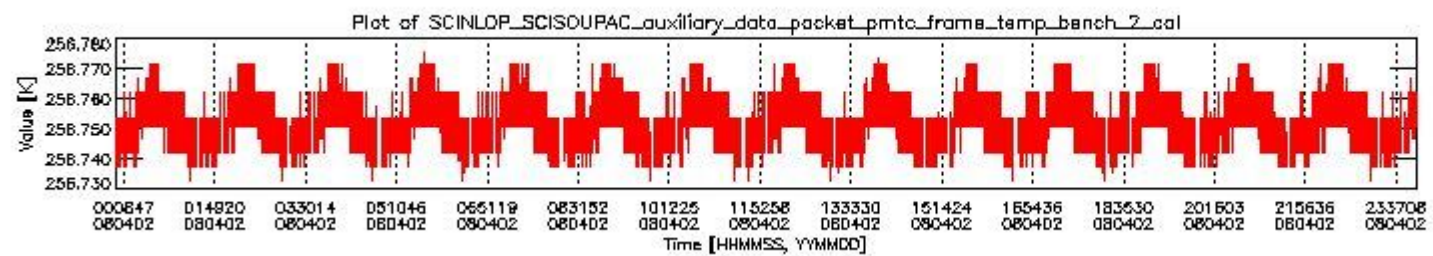
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080401_224611_000065892067_00216_31833_6344.N1	01APR2008 22:46:11	02APR2008 00:36:00	1	0	1	0	0
1	SCI_NL__OPNPDE20080402_003151_000063532067_00217_31834_6345.N1	02APR2008 00:31:51	02APR2008 02:17:44	1	0	1	0	0
2	SCI_NL__OPNPDE20080402_021443_000062722067_00218_31835_6346.N1	02APR2008 02:14:43	02APR2008 03:59:15	1	0	1	0	0
3	SCI_NL__OPNPDE20080402_035615_000064092067_00219_31836_6347.N1	02APR2008 03:56:15	02APR2008 05:43:04	1	0	1	0	0
4	SCI_NL__OPNPDK20080402_053759_000062722067_00220_31837_7832.N1	02APR2008 05:37:59	02APR2008 07:22:31	0	0	0	0	0
5	SCI_NL__OPNPDK20080402_072135_000059802067_00221_31838_7833.N1	02APR2008 07:21:35	02APR2008 09:01:14	0	0	0	0	0
6	SCI_NL__OPNPDK20080402_090114_000060232067_00222_31839_7834.N1	02APR2008 09:01:14	02APR2008 10:41:37	0	0	0	0	0
7	SCI_NL__OPNPDK20080402_104041_000059112067_00223_31840_7835.N1	02APR2008 10:40:41	02APR2008 12:19:12	0	0	0	0	0
8	SCI_NL__OPNPDK20080402_121912_000059672067_00224_31841_7836.N1	02APR2008 12:19:12	02APR2008 13:58:39	0	0	0	0	0
9	SCI_NL__OPNPDK20080402_135743_000059112067_00225_31842_7837.N1	02APR2008 13:57:43	02APR2008 15:36:14	0	0	0	0	0
10	SCI_NL__OPNPDK20080402_153518_000059202067_00226_31843_7838.N1	02APR2008 15:35:18	02APR2008 17:13:58	0	0	0	0	0
11	SCI_NL__OPNPDK20080402_171302_000060362067_00227_31844_7839.N1	02APR2008 17:13:02	02APR2008 18:53:38	0	0	0	0	0
12	SCI_NL__OPNPDK20080402_185242_000060142067_00228_31845_7840.N1	02APR2008 18:52:42	02APR2008 20:32:56	0	0	0	0	0
13	SCI_NL__OPNPDK20080402_203200_000062162067_00229_31846_7841.N1	02APR2008 20:32:00	02APR2008 22:15:36	0	0	0	0	0
14	SCI_NL__OPNPDE20080402_221428_000065892067_00230_31847_6348.N1	02APR2008 22:14:28	03APR2008 00:04:17	1	0	1	0	0
15	SCI_NL__OPNPDE20080402_235912_000064092067_00231_31848_6349.N1	02APR2008 23:59:12	03APR2008 01:46:01	1	0	1	0	0

0.2 Product Quality Indicators

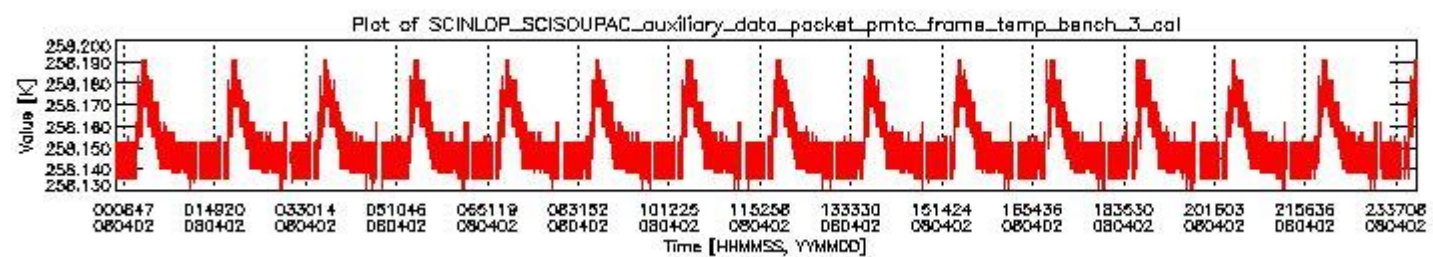
This section shows information about product quality, currently temperatures.



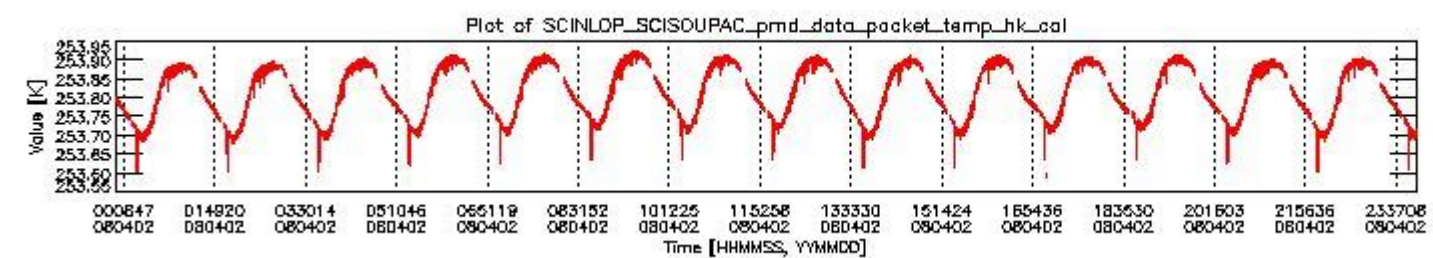
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080402_0.PNG



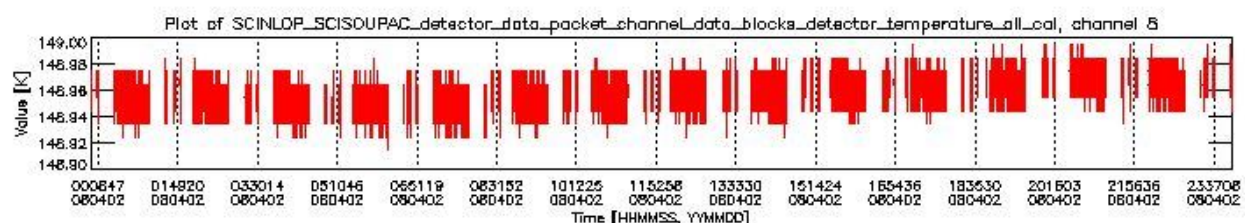
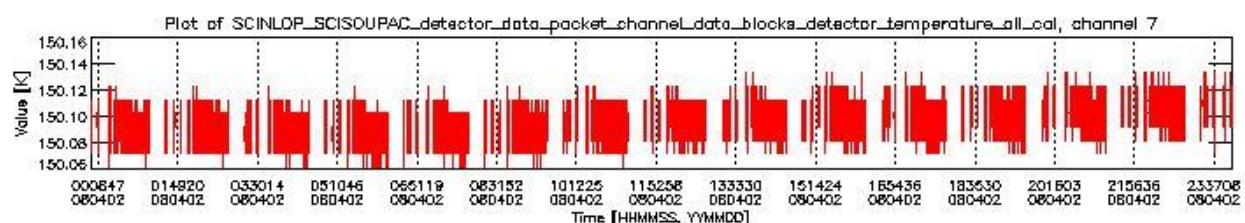
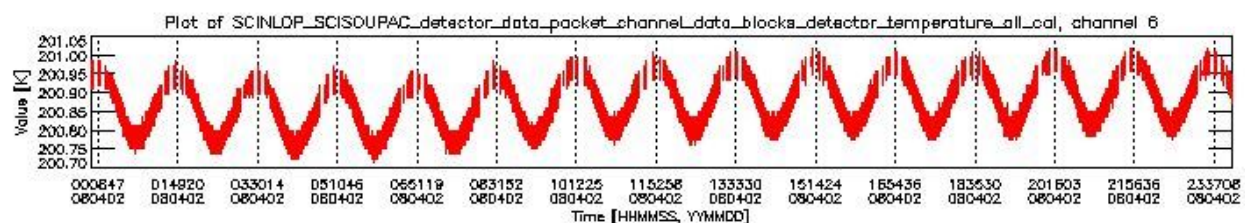
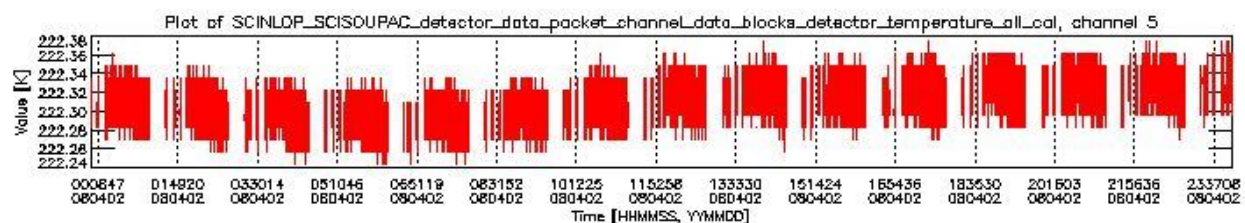
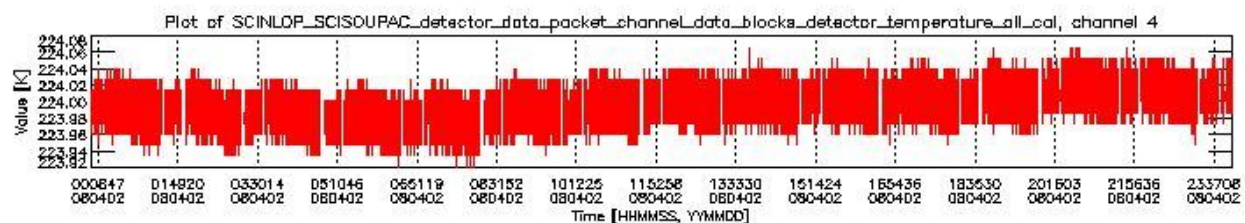
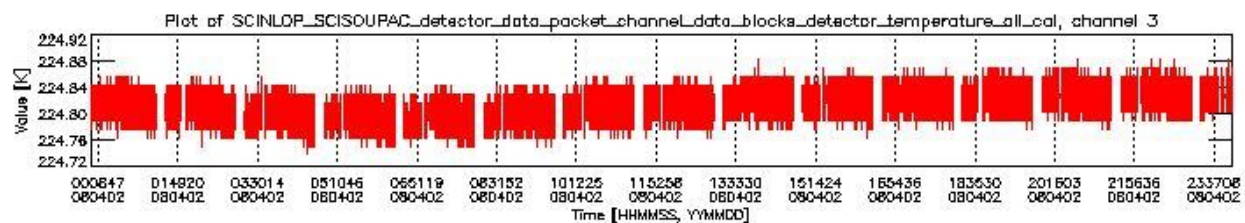
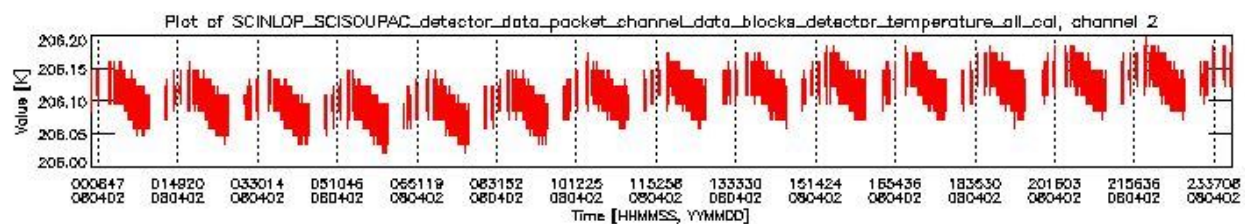
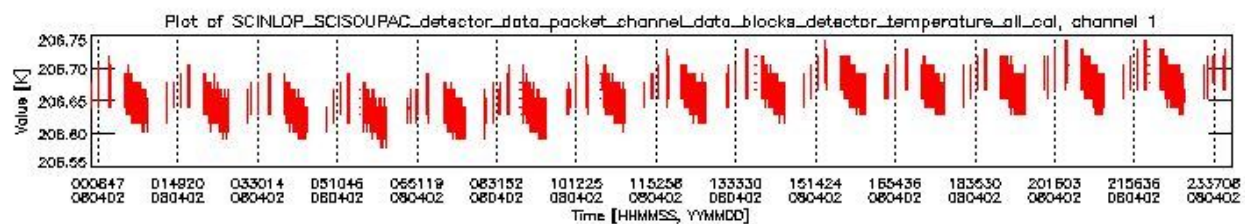
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080402_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080402_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080402_3.PNG

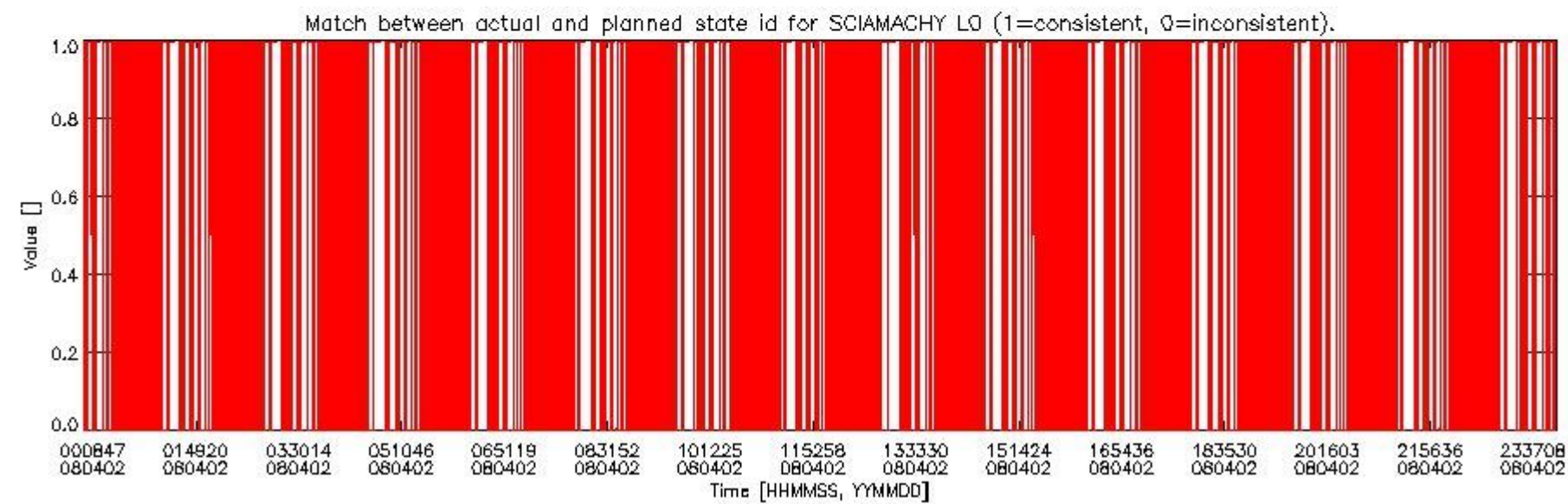
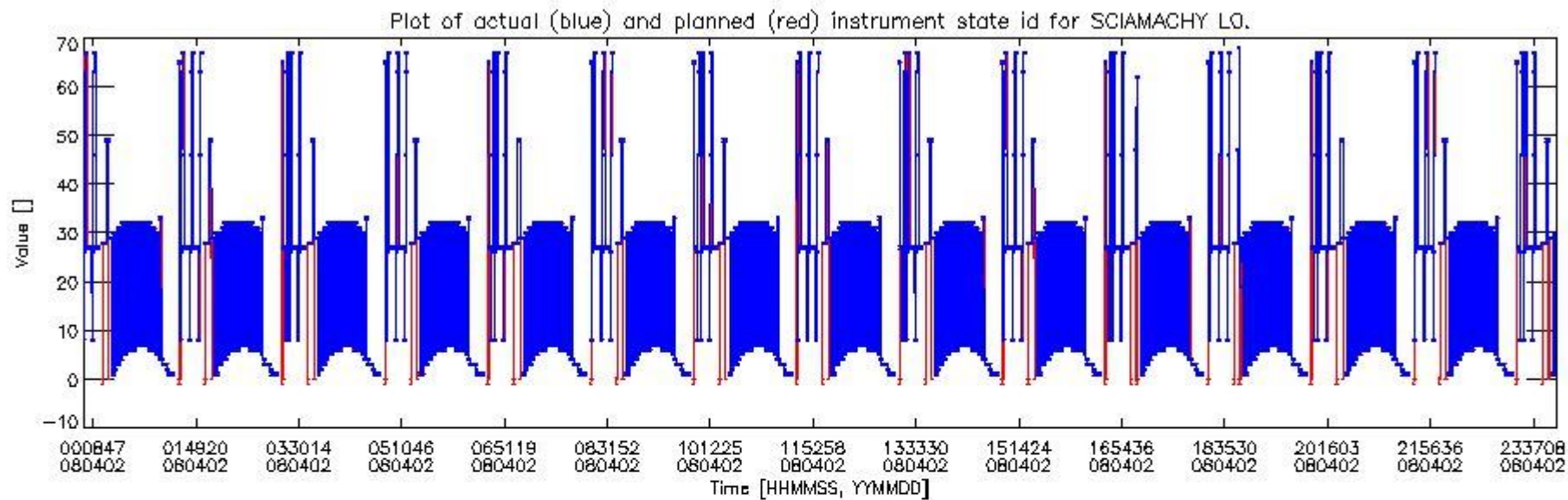


0.3 State monitoring

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: **34765**

#	Actual time	Actual value	Planned time	Planned value
0	02APR2008 00:00:19.820572	46	02APR2008 00:00:19.820572	26
1	02APR2008 00:00:20.445554	46	02APR2008 00:00:20.445554	26
2	02APR2008 00:00:20.945571	46	02APR2008 00:00:20.945571	26
3	02APR2008 00:00:21.445549	46	02APR2008 00:00:21.445549	26
4	02APR2008 00:00:21.945566	46	02APR2008 00:00:21.945566	26
5	02APR2008 00:00:22.445543	46	02APR2008 00:00:22.445543	26
6	02APR2008 00:00:22.945561	46	02APR2008 00:00:22.945561	26
7	02APR2008 00:00:23.445578	46	02APR2008 00:00:23.445578	26
8	02APR2008 00:00:23.945555	46	02APR2008 00:00:23.945555	26
9	02APR2008 00:00:24.445572	46	02APR2008 00:00:24.445572	26
10	02APR2008 00:00:24.820545	46	02APR2008 00:00:24.820545	26
11	02APR2008 00:00:24.945550	46	02APR2008 00:00:24.945550	26
12	02APR2008 00:00:25.445567	46	02APR2008 00:00:25.445567	26
13	02APR2008 00:00:25.945544	46	02APR2008 00:00:25.945544	26
14	02APR2008 00:00:26.445562	46	02APR2008 00:00:26.445562	26
15	02APR2008 00:00:26.945579	46	02APR2008 00:00:26.945579	26
16	02APR2008 00:00:27.445556	46	02APR2008 00:00:27.445556	26
17	02APR2008 00:00:33.375236	63	02APR2008 00:00:33.375236	46
18	02APR2008 00:00:34.000258	63	02APR2008 00:00:34.000258	46
19	02APR2008 00:00:34.500235	63	02APR2008 00:00:34.500235	46

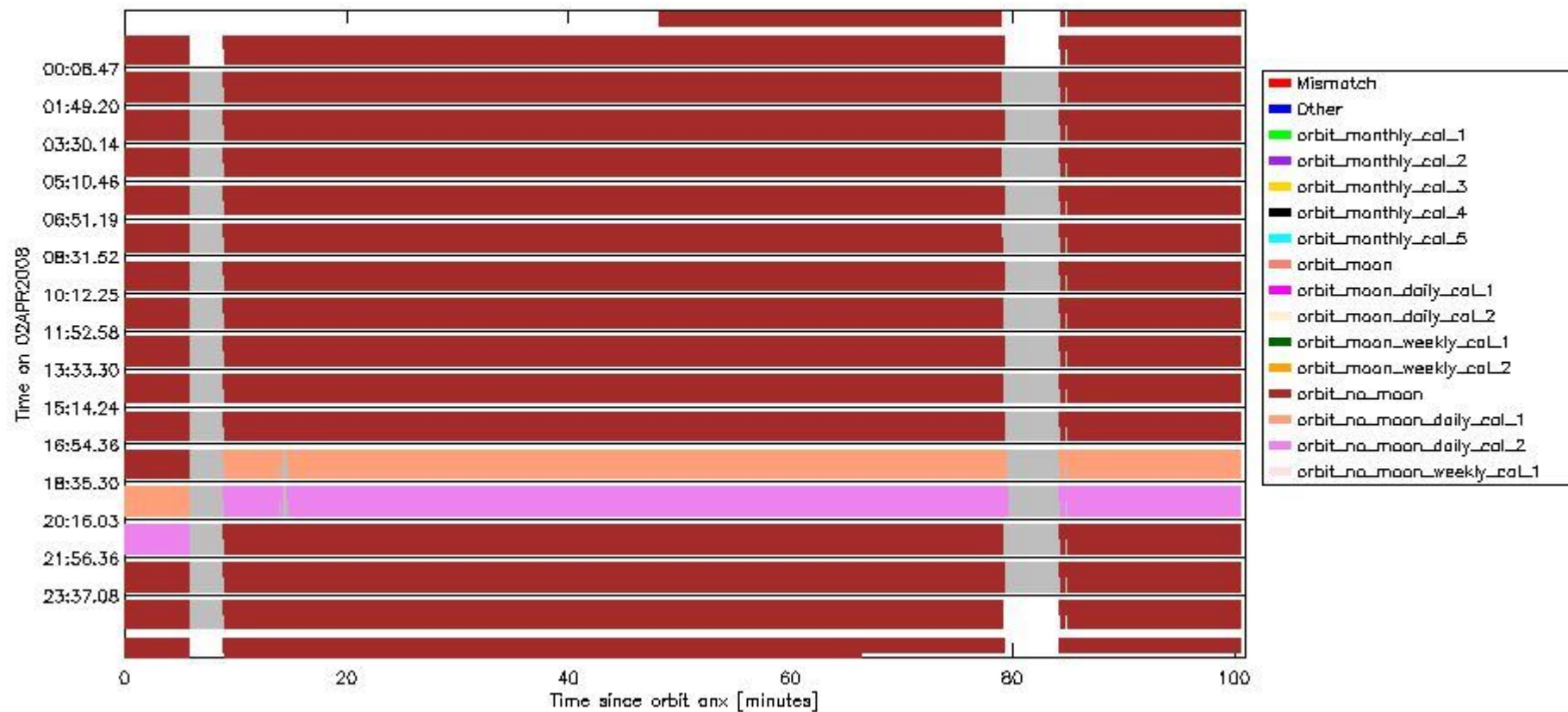


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080402_5.PNG

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 Q2APR2008.
 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_20080402_6.PNG

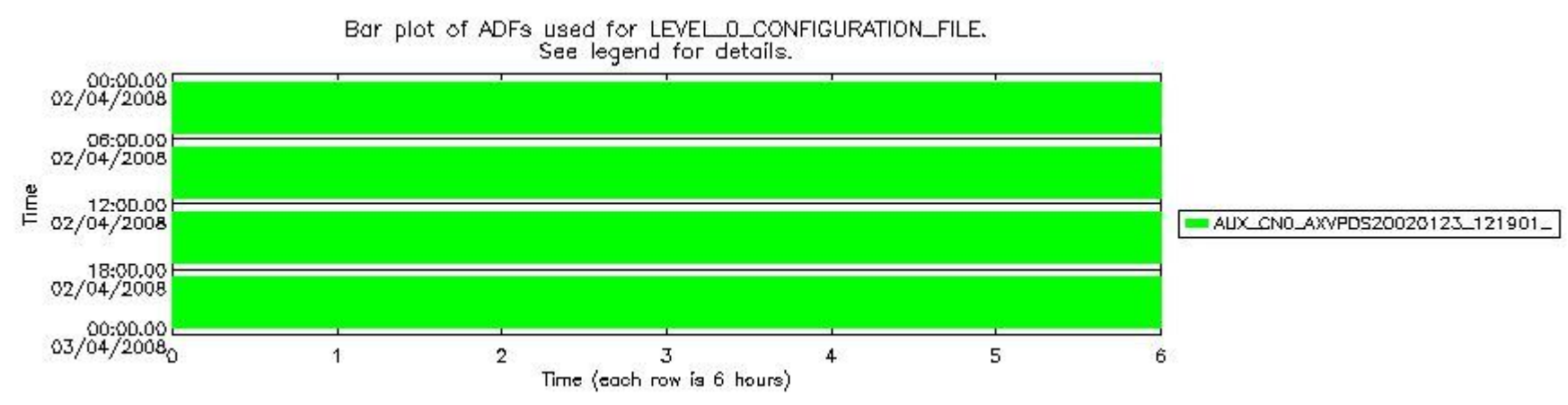
0.4 ADF monitoring

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

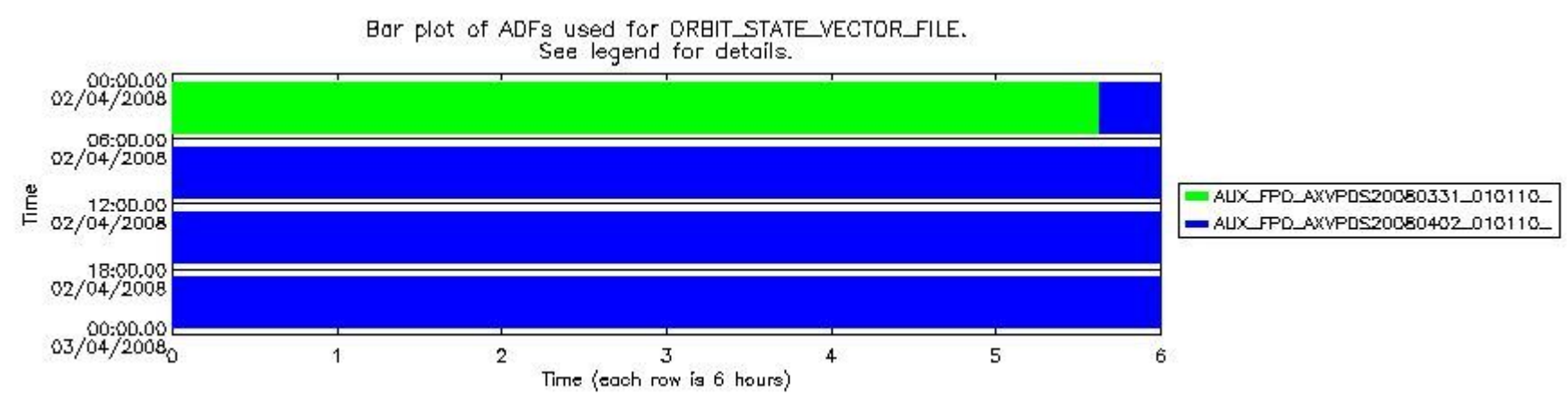
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

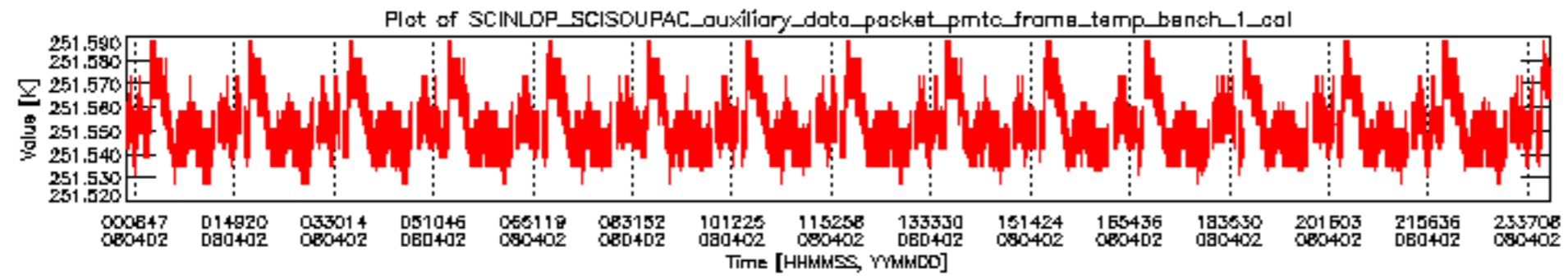
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080331_010110_20080330_182941_20080409_213630
2	AUX_FPO_AXVPDS20080402_010110_20080401_190703_20080411_203316

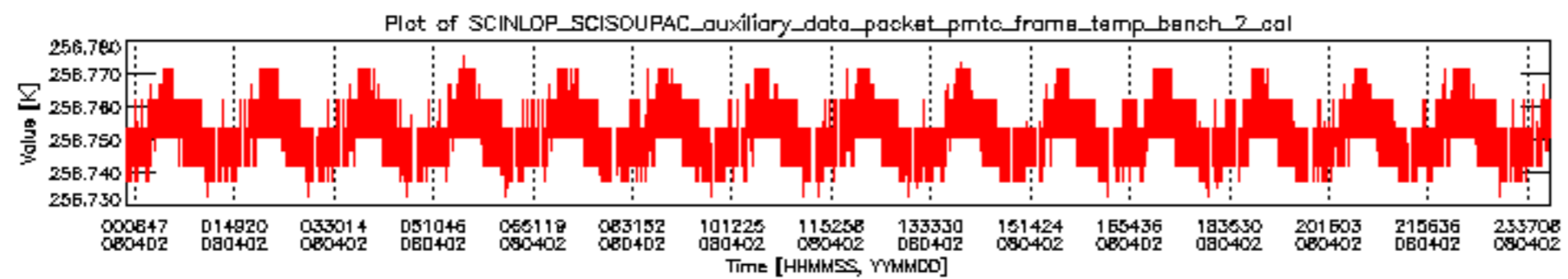


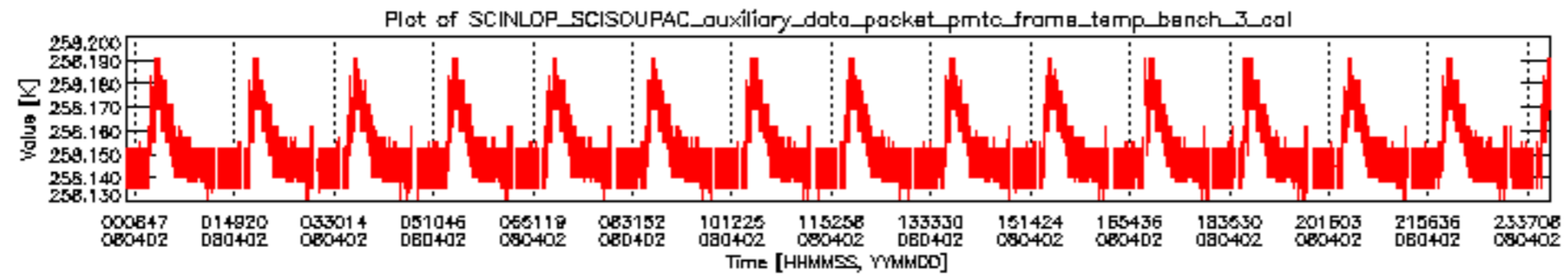
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080402_7.PNG

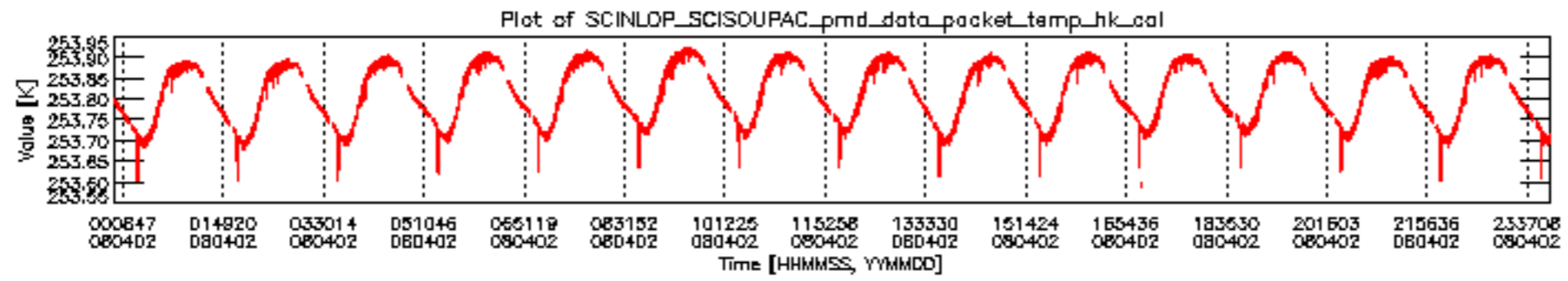


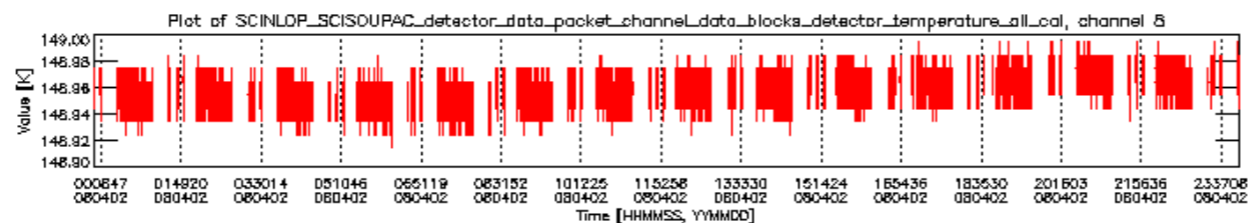
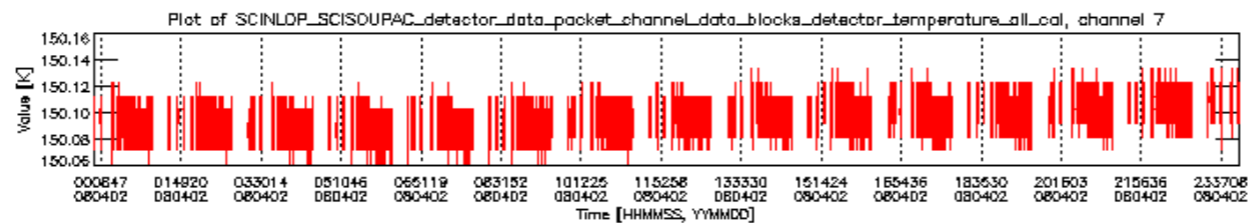
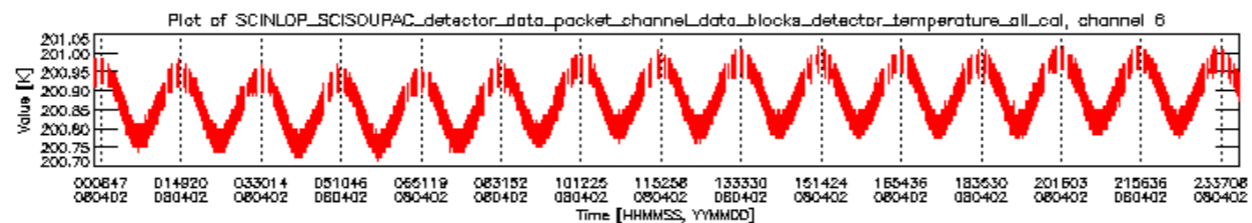
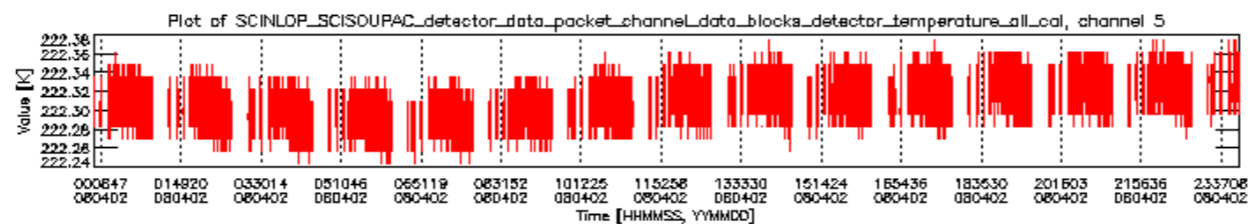
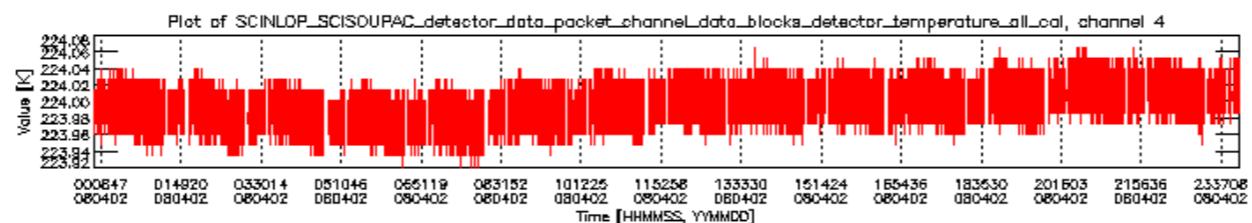
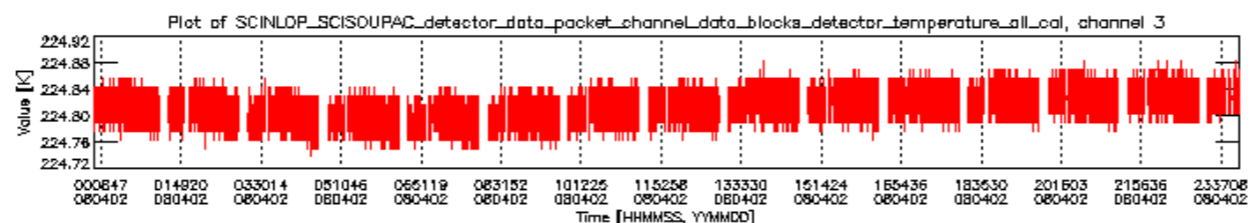
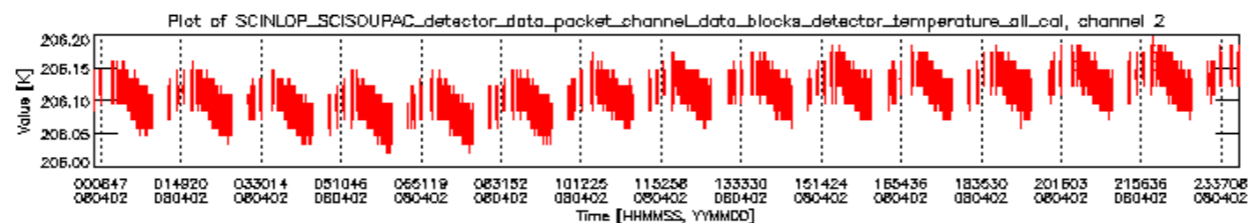
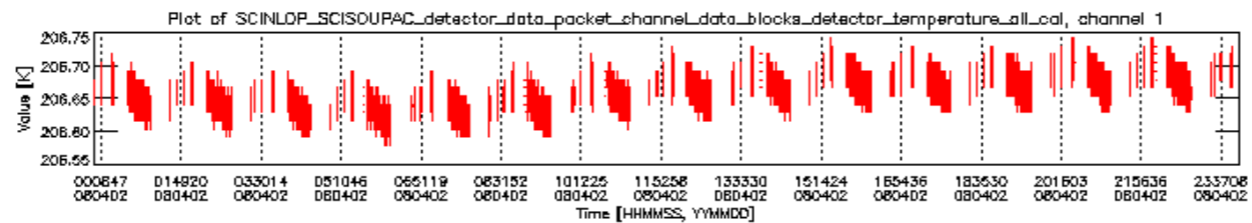
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080402_8.PNG











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 02APR2008.
 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.

