

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	09APR2008 05:06:22
Data source version	KSPT_L0/4303-N
Processing scope for products	05APR2008 00:00:00 to 06APR2008 00:00:00
Start time of first product within scope	04APR2008 22:53:42
Stop time of last product within scope	06APR2008 00:09:56
Total number of level 0 products	15
Number of level 0 products with errors	5

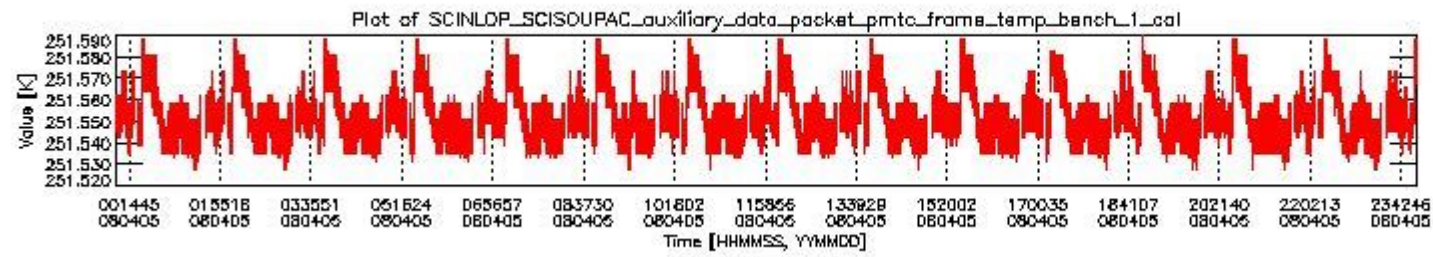
0.1.2 Summary per product

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

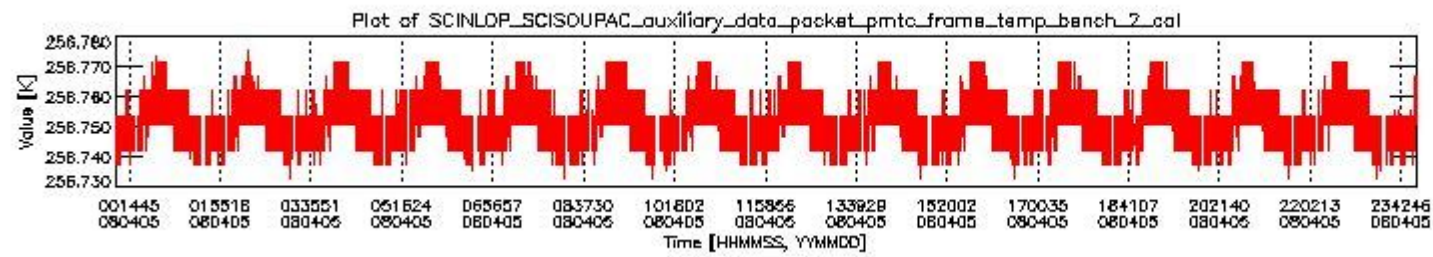
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080404_225342_000064772067_00259_31876_6357.N1	04APR2008 22:53:42	05APR2008 00:41:39	1	0	1	0	0
1	SCI_NL__OPNPDE20080405_003622_000064092067_00260_31877_6358.N1	05APR2008 00:36:22	05APR2008 02:23:10	1	0	1	0	0
2	SCI_NL__OPNPDE20080405_021957_000063532067_00261_31878_6359.N1	05APR2008 02:19:57	05APR2008 04:05:50	1	0	1	0	0
3	SCI_NL__OPNPDE20080405_040142_000064092067_00262_31879_6360.N1	05APR2008 04:01:42	05APR2008 05:48:30	1	1	1	0	0
4	SCI_NL__OPNPDK20080405_054313_000062972067_00263_31880_7863.N1	05APR2008 05:43:13	05APR2008 07:28:10	0	0	0	0	0
5	SCI_NL__OPNPDK20080405_072702_000059672067_00264_31881_7864.N1	05APR2008 07:27:02	05APR2008 09:06:29	0	0	0	0	0
6	SCI_NL__OPNPDK20080405_090533_000061042067_00265_31882_7865.N1	05APR2008 09:05:33	05APR2008 10:47:17	0	0	0	0	0
7	SCI_NL__OPNPDK20080405_104608_000059672067_00266_31883_7866.N1	05APR2008 10:46:08	05APR2008 12:25:35	0	0	0	0	0
8	SCI_NL__OPNPDK20080405_122535_000059242067_00267_31884_7867.N1	05APR2008 12:25:35	05APR2008 14:04:19	0	0	0	0	0
9	SCI_NL__OPNPDK20080405_140310_000059672067_00268_31885_7868.N1	05APR2008 14:03:10	05APR2008 15:42:37	0	0	0	0	0
10	SCI_NL__OPNPDK20080405_154033_000059772067_00269_31886_7869.N1	05APR2008 15:40:33	05APR2008 17:20:09	0	0	0	0	0
11	SCI_NL__OPNPDK20080405_171901_000059482067_00270_31887_7870.N1	05APR2008 17:19:01	05APR2008 18:58:08	0	0	0	0	0
12	SCI_NL__OPNPDK20080405_185713_000060712067_00271_31888_7871.N1	05APR2008 18:57:13	05APR2008 20:38:23	0	0	0	0	0
13	SCI_NL__OPNPDK20080405_203632_000062592067_00272_31889_7872.N1	05APR2008 20:36:32	05APR2008 22:20:50	0	0	0	0	0
14	SCI_NL__OPNPDE20080405_221955_000066022067_00273_31890_6361.N1	05APR2008 22:19:55	06APR2008 00:09:56	1	0	1	0	0

0.2 Product Quality Indicators

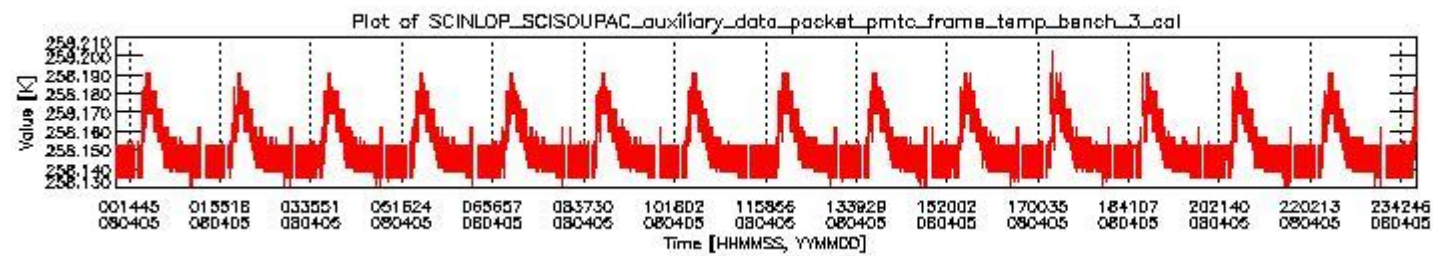
This section shows information about product quality, currently temperatures.



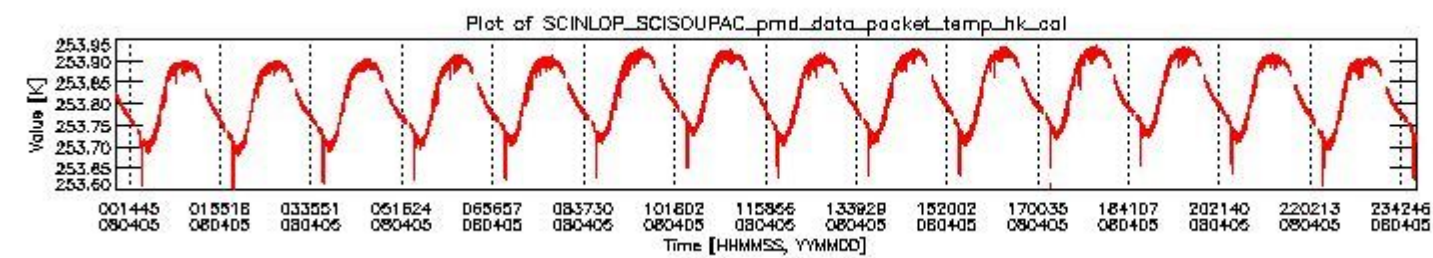
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080405_0.PNG



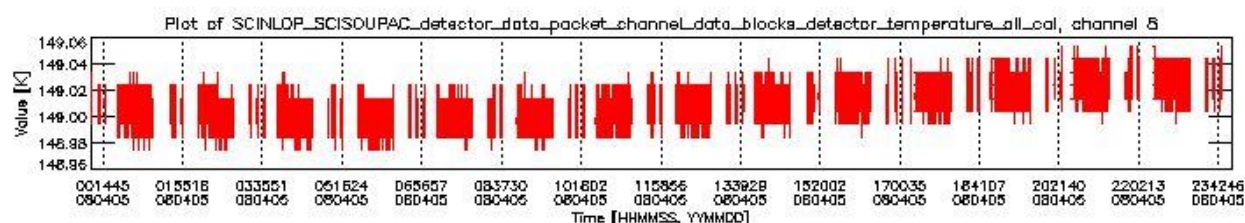
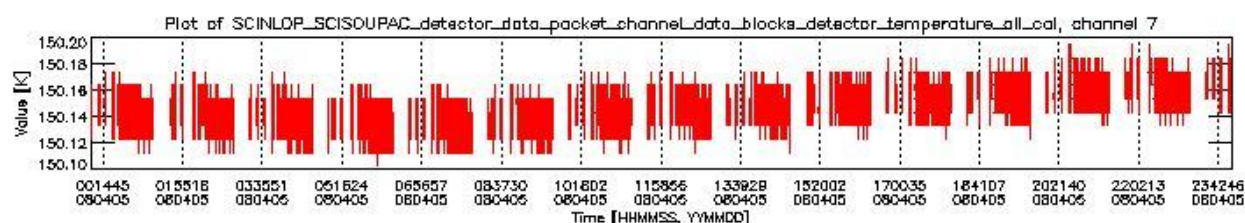
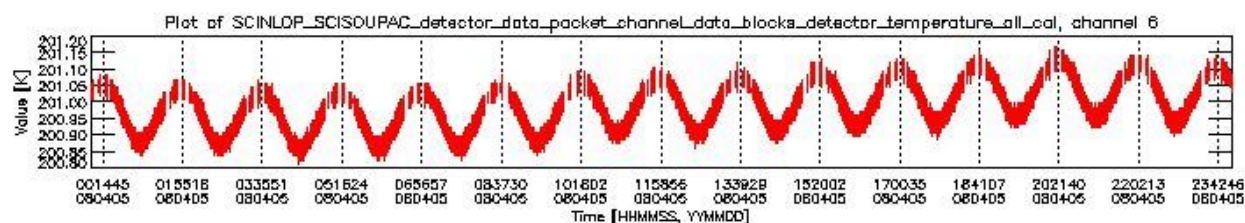
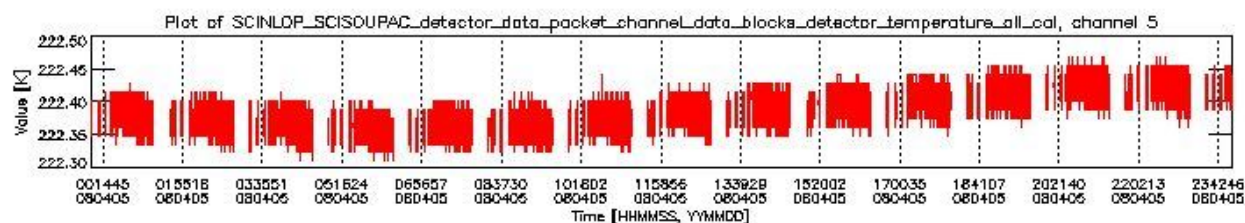
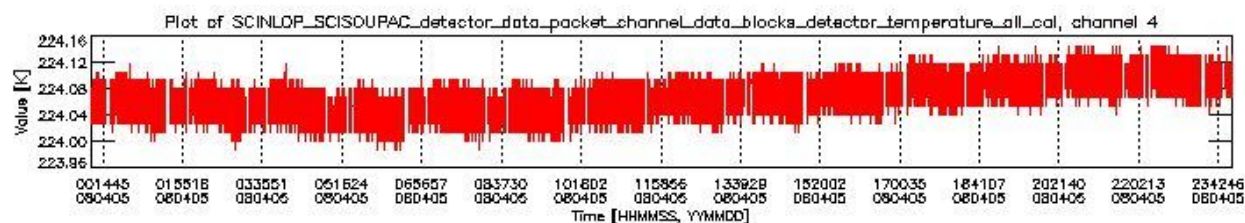
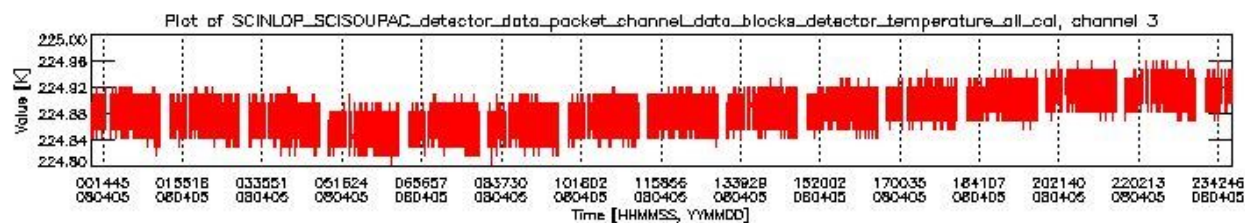
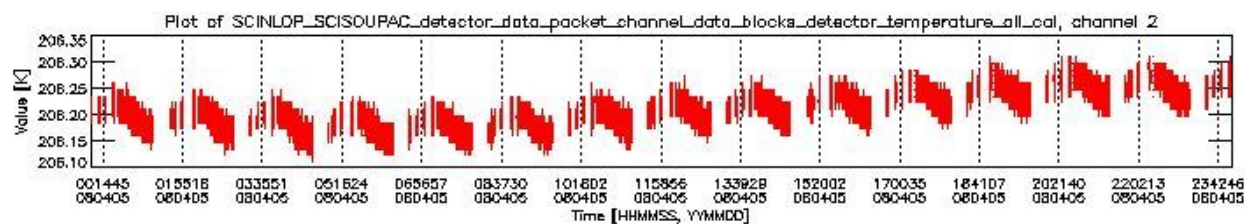
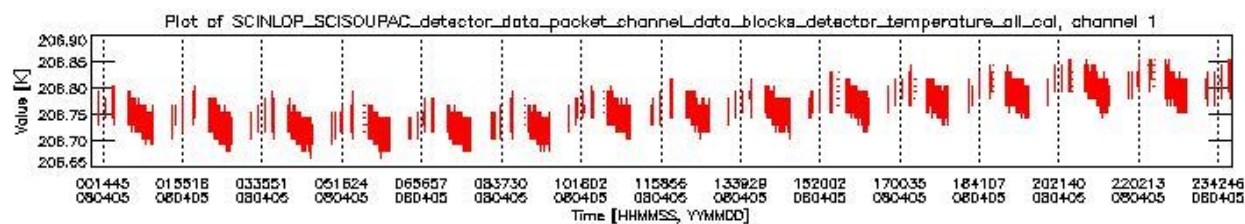
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080405_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080405_3.PNG

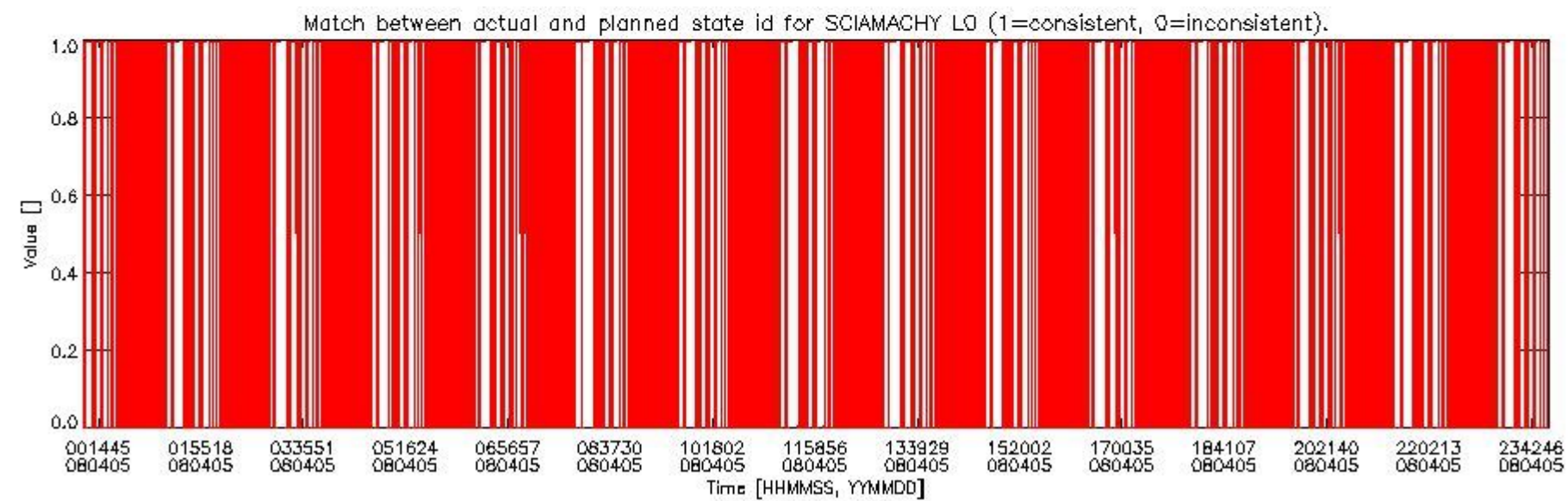
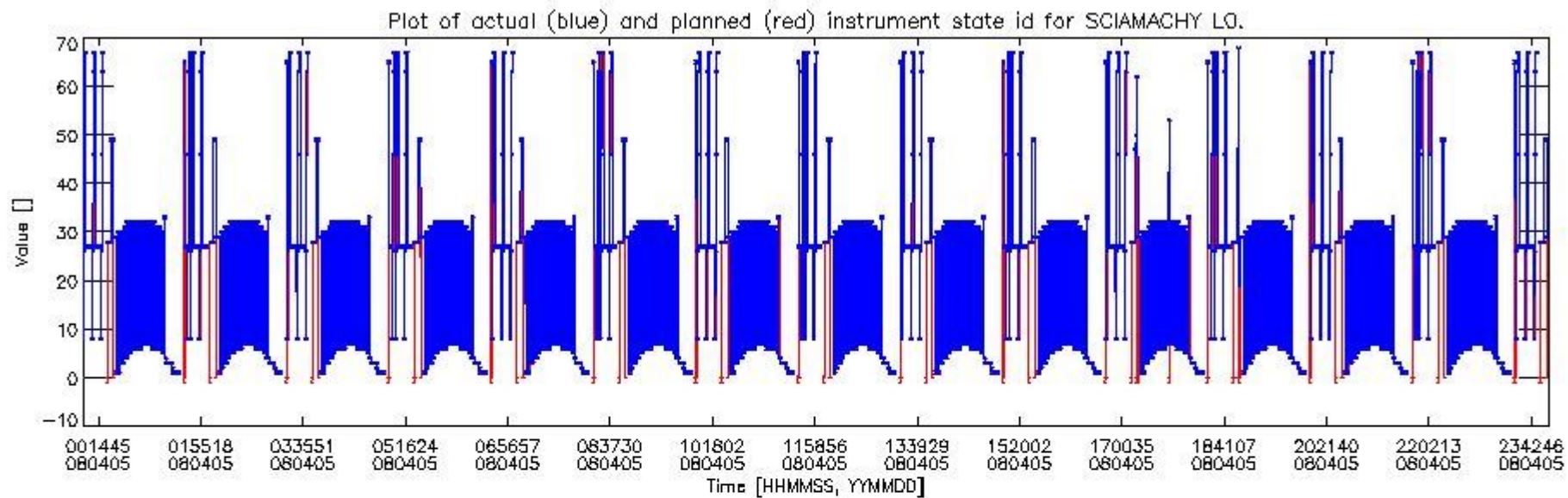


0.3 State monitoring

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: **35844**

#	Actual time	Actual value	Planned time	Planned value
0	05APR2008 00:00:00.936426	46	05APR2008 00:00:00.936426	26
1	05APR2008 00:00:01.561448	46	05APR2008 00:00:01.561448	26
2	05APR2008 00:00:02.061425	46	05APR2008 00:00:02.061425	26
3	05APR2008 00:00:02.561443	46	05APR2008 00:00:02.561443	26
4	05APR2008 00:00:03.061460	46	05APR2008 00:00:03.061460	26
5	05APR2008 00:00:03.561437	46	05APR2008 00:00:03.561437	26
6	05APR2008 00:00:04.061455	46	05APR2008 00:00:04.061455	26
7	05APR2008 00:00:04.561432	46	05APR2008 00:00:04.561432	26
8	05APR2008 00:00:05.061449	46	05APR2008 00:00:05.061449	26
9	05APR2008 00:00:05.561426	46	05APR2008 00:00:05.561426	26
10	05APR2008 00:00:05.936439	46	05APR2008 00:00:05.936439	26
11	05APR2008 00:00:06.061444	46	05APR2008 00:00:06.061444	26
12	05APR2008 00:00:06.561461	46	05APR2008 00:00:06.561461	26
13	05APR2008 00:00:07.061438	46	05APR2008 00:00:07.061438	26
14	05APR2008 00:00:07.561456	46	05APR2008 00:00:07.561456	26
15	05APR2008 00:00:08.061433	46	05APR2008 00:00:08.061433	26
16	05APR2008 00:00:08.561450	46	05APR2008 00:00:08.561450	26
17	05APR2008 00:00:14.491130	63	05APR2008 00:00:14.491130	46
18	05APR2008 00:00:15.116152	63	05APR2008 00:00:15.116152	46
19	05APR2008 00:00:15.616129	63	05APR2008 00:00:15.616129	46
...

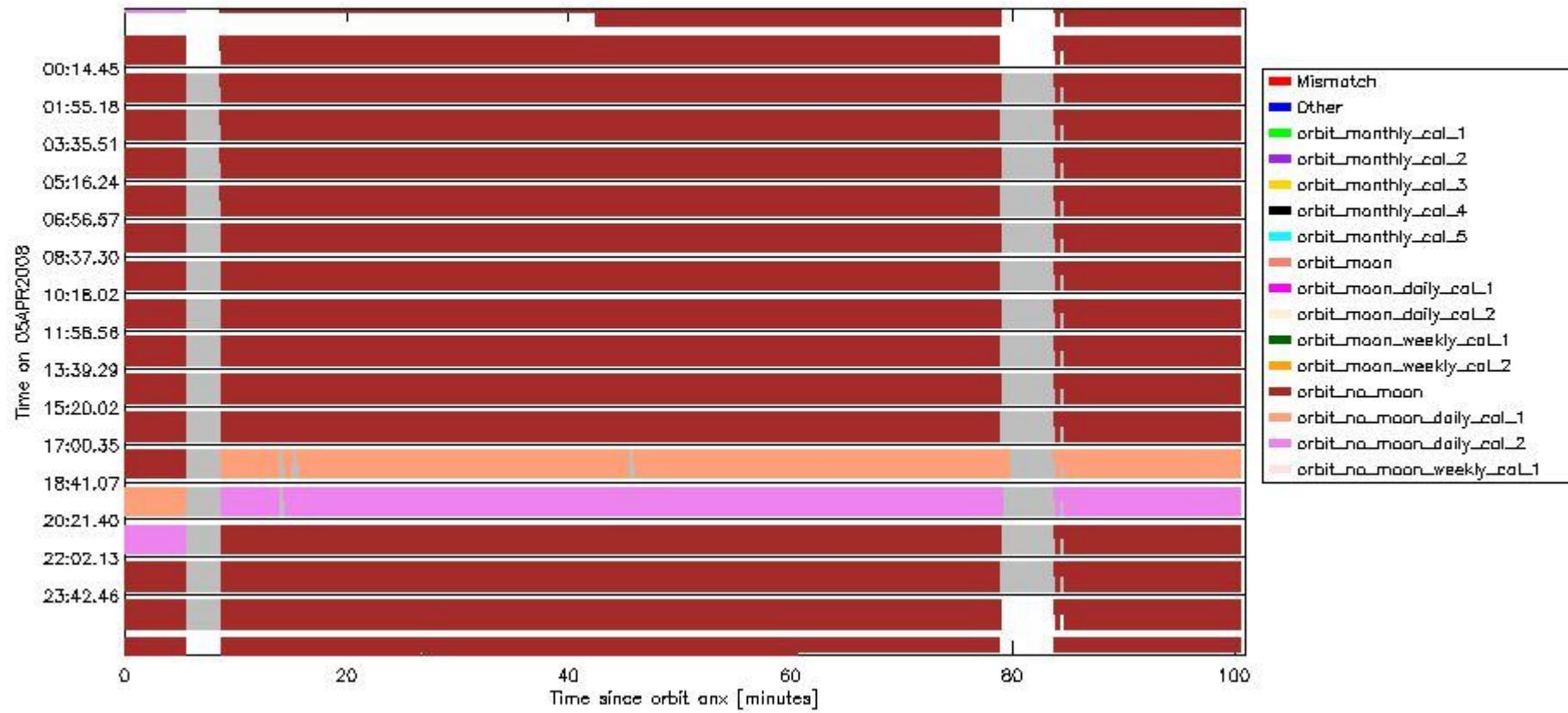


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080405_5.PNG

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 Q5APR2008.
 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_20080405_6.PNG

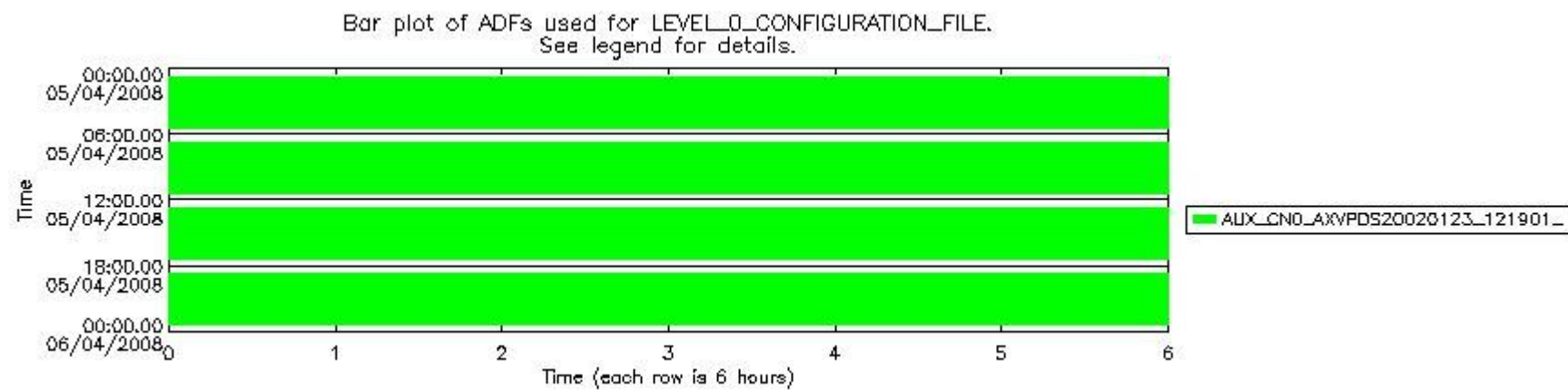
0.4 ADF monitoring

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

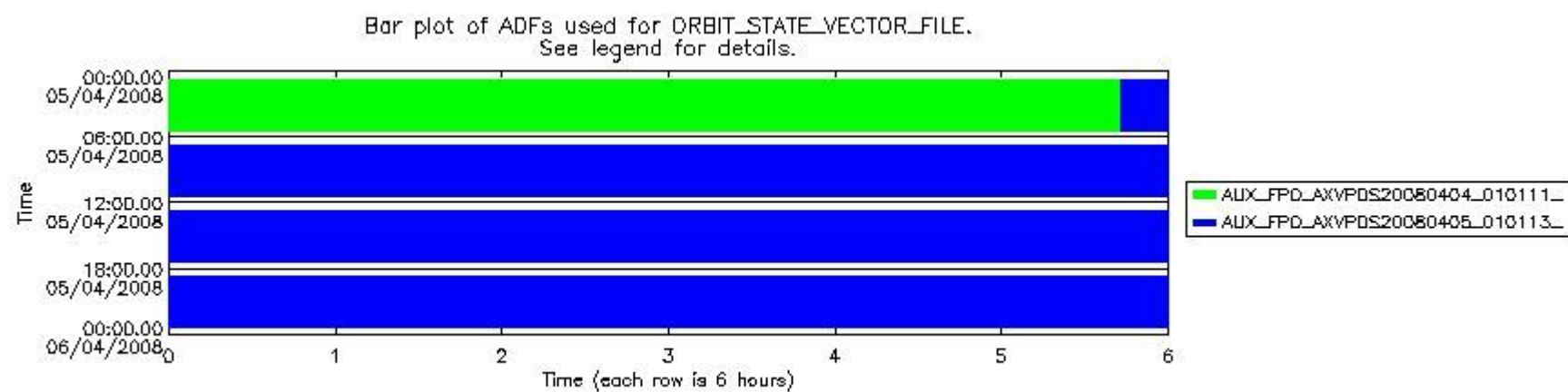
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

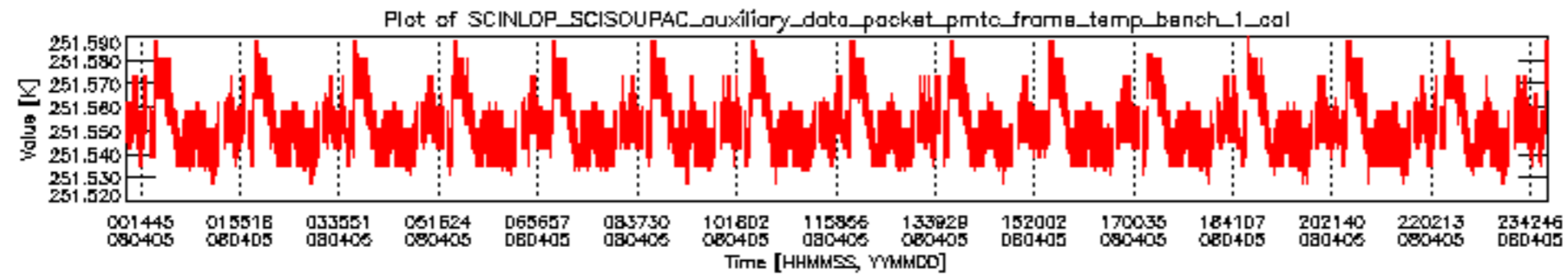
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080404_010111_20080403_194425_20080413_211037
2	AUX_FPO_AXVPDS20080405_010113_20080404_191248_20080414_203900

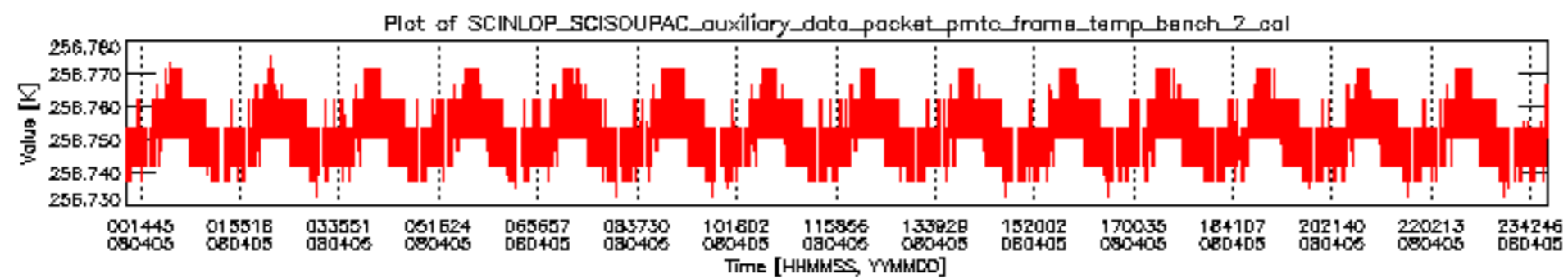


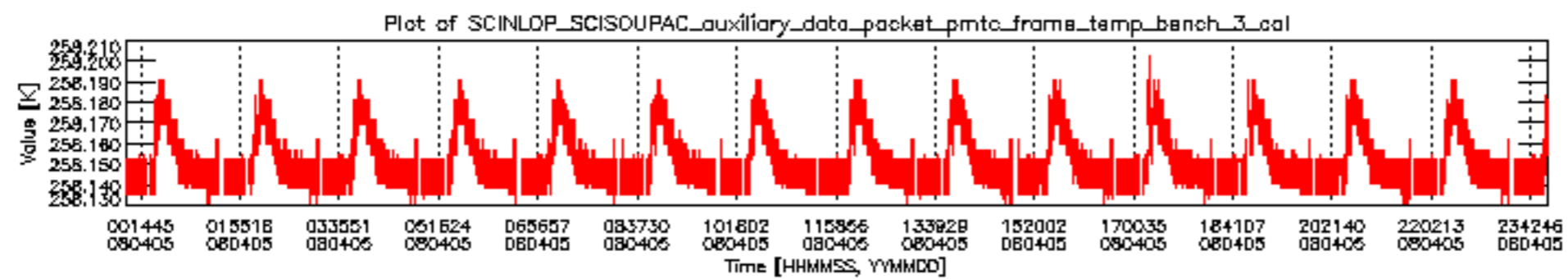
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080405_7.PNG

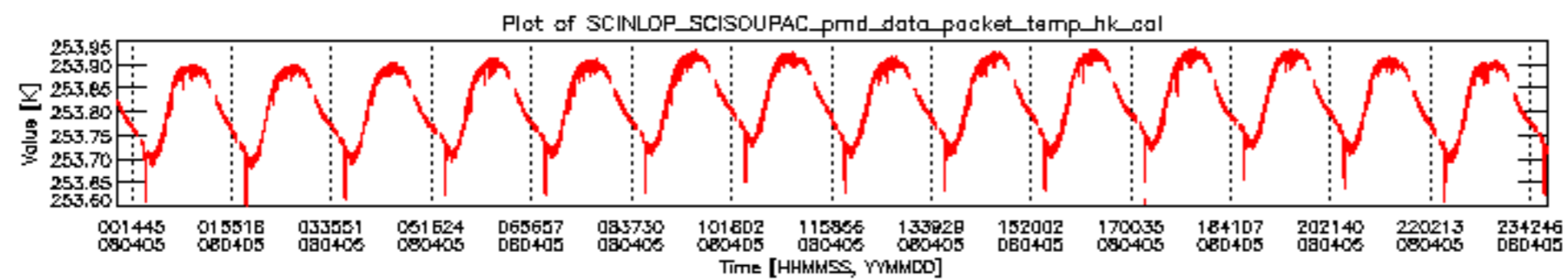


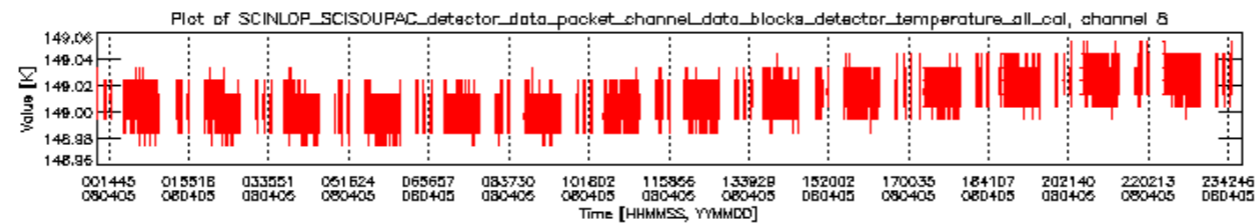
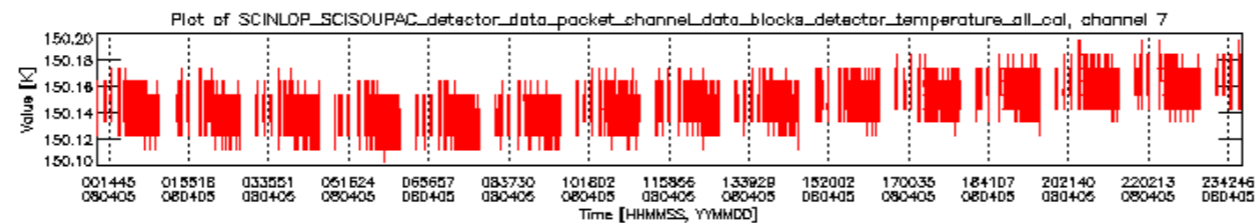
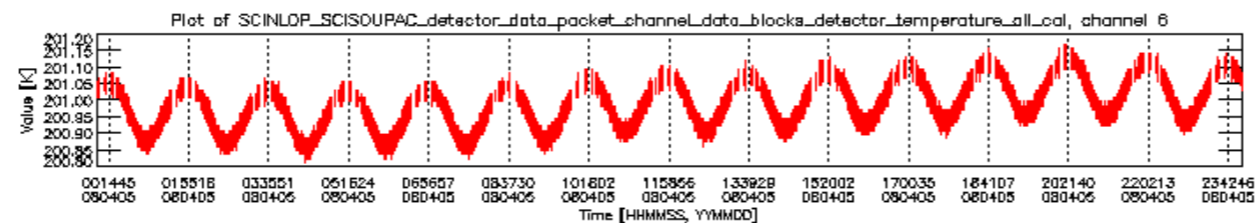
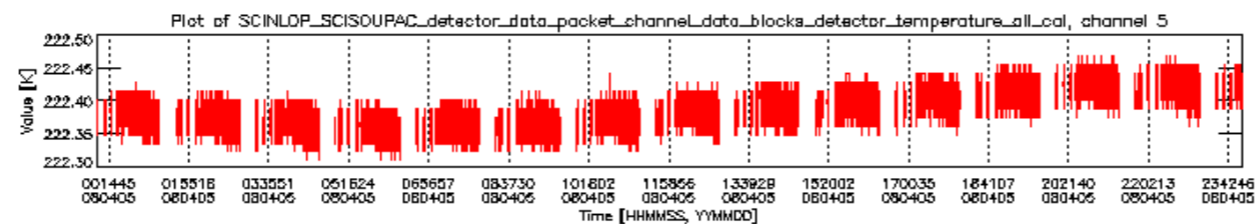
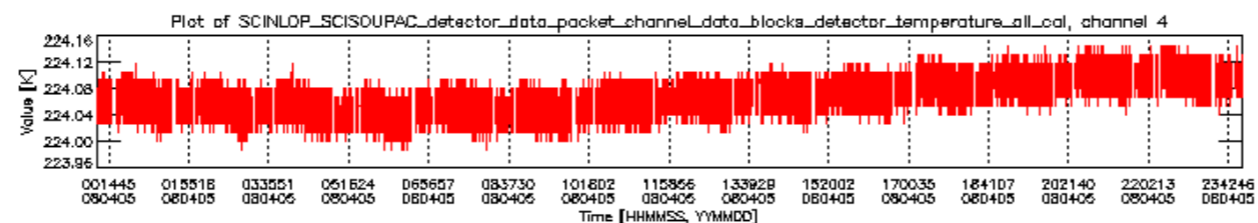
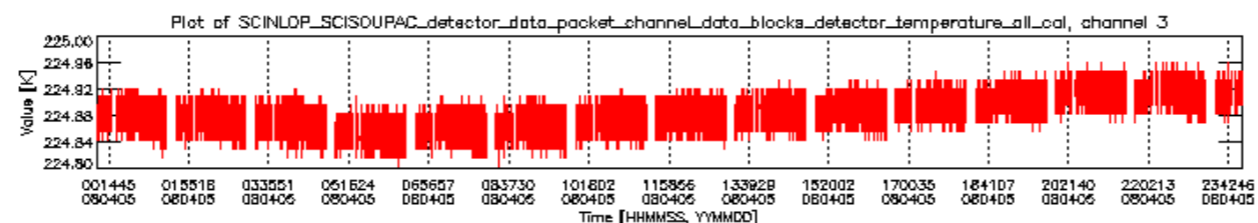
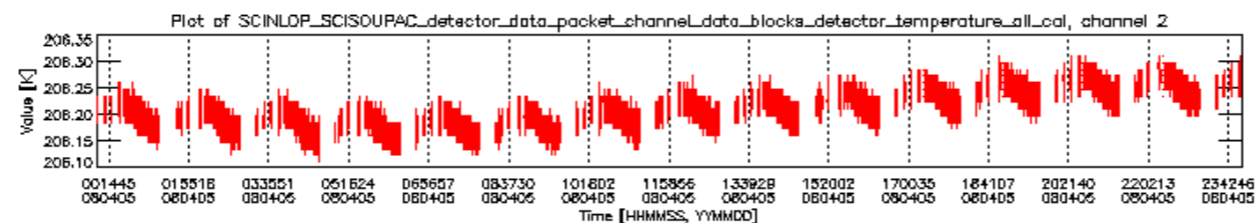
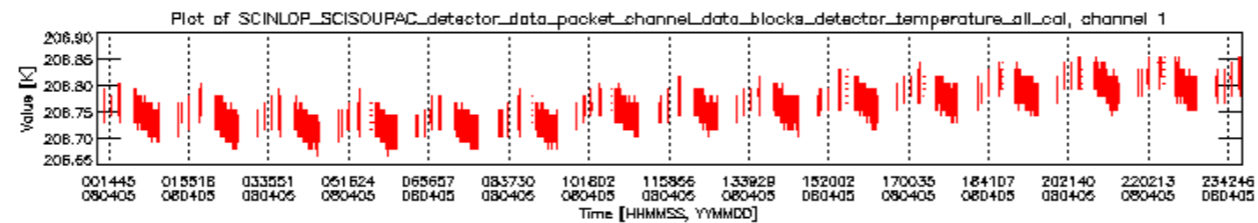
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080405_8.PNG











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 05APR2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
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