

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	09SEP2006 04:42:43
Data source version	PFHS/5.37-N
Processing scope for products	05SEP2006 00:00:00 to 06SEP2006 00:00:00
Start time of first product within scope	04SEP2006 23:25:30
Stop time of last product within scope	06SEP2006 00:37:20
Total number of level 0 products	16
Number of level 0 products with errors	16

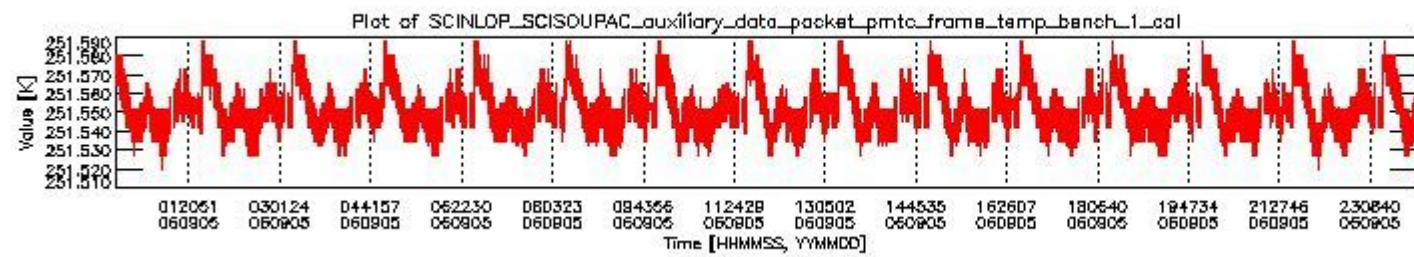
0.1.2 Summary per product

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

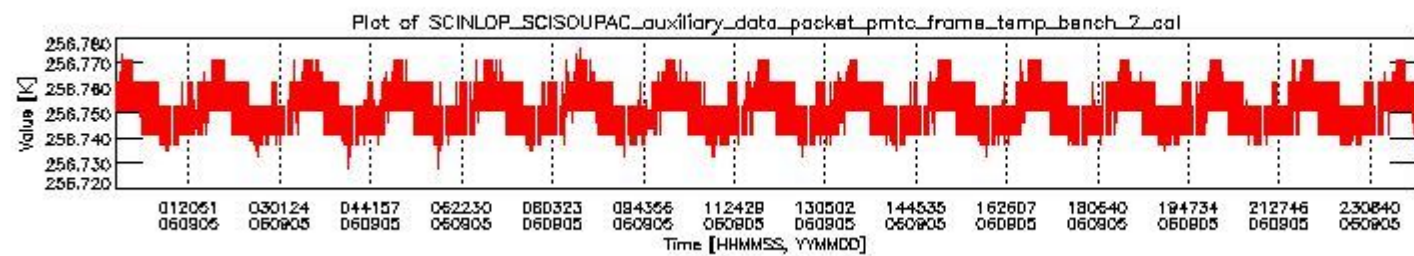
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060904_232530_000061562051_00001_23602_0521.N1	04SEP2006 23:25:30	05SEP2006 01:08:06	1	0	1	0	0
1	SCI_NL__OPNPDE20060905_010642_000043872051_00002_23603_0522.N1	05SEP2006 01:06:42	05SEP2006 02:19:49	1	0	1	0	0
2	SCI_NL__OPNPDE20060905_021949_000060962051_00003_23604_0523.N1	05SEP2006 02:19:49	05SEP2006 04:01:25	1	0	1	0	0
3	SCI_NL__OPNPDE20060905_040125_000060362051_00004_23605_0524.N1	05SEP2006 04:01:25	05SEP2006 05:42:02	1	0	1	0	0
4	SCI_NL__OPNPDE20060905_054202_000060362051_00005_23606_0525.N1	05SEP2006 05:42:02	05SEP2006 07:22:38	1	0	1	0	0
5	SCI_NL__OPNPDK20060905_072502_000039662051_00006_23607_0637.N1	05SEP2006 07:25:02	05SEP2006 08:31:09	1	0	1	0	0
6	SCI_NL__OPNPDK20060905_083000_000061602051_00007_23608_0638.N1	05SEP2006 08:30:00	05SEP2006 10:12:41	1	0	1	0	0
7	SCI_NL__OPNPDK20060905_101145_000060362051_00008_23609_0639.N1	05SEP2006 10:11:45	05SEP2006 11:52:21	1	0	1	0	0
8	SCI_NL__OPNPDK20060905_115113_000059802051_00009_23610_0640.N1	05SEP2006 11:51:13	05SEP2006 13:30:53	1	0	1	0	0
9	SCI_NL__OPNPDK20060905_133053_000059112051_00010_23611_0641.N1	05SEP2006 13:30:53	05SEP2006 15:09:25	1	0	1	0	0
10	SCI_NL__OPNPDK20060905_150817_000057872051_00011_23612_0642.N1	05SEP2006 15:08:17	05SEP2006 16:44:44	1	0	1	0	0
11	SCI_NL__OPNPDK20060905_164444_000060312051_00012_23613_0643.N1	05SEP2006 16:44:44	05SEP2006 18:25:15	1	0	1	0	0
12	SCI_NL__OPNPDK20060905_182419_000060052051_00013_23614_0644.N1	05SEP2006 18:24:19	05SEP2006 20:04:25	1	0	1	0	0
13	SCI_NL__OPNPDE20060905_200329_000042302051_00014_23615_0530.N1	05SEP2006 20:03:29	05SEP2006 21:13:59	1	0	1	0	0
14	SCI_NL__OPNPDE20060905_211359_000062522051_00014_23615_0531.N1	05SEP2006 21:13:59	05SEP2006 22:58:11	1	0	1	0	0
15	SCI_NL__OPNPDE20060905_225648_000060312051_00015_23616_0532.N1	05SEP2006 22:56:48	06SEP2006 00:37:20	1	0	1	0	0

0.2 Product Quality Indicators

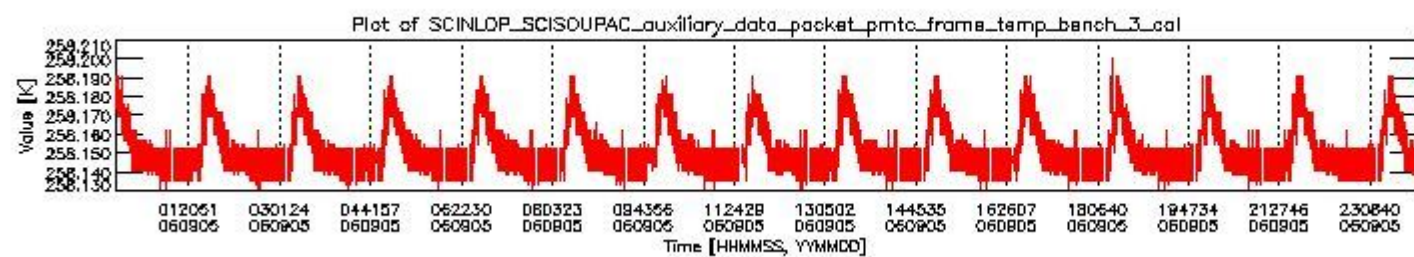
This section shows information about product quality, currently temperatures.



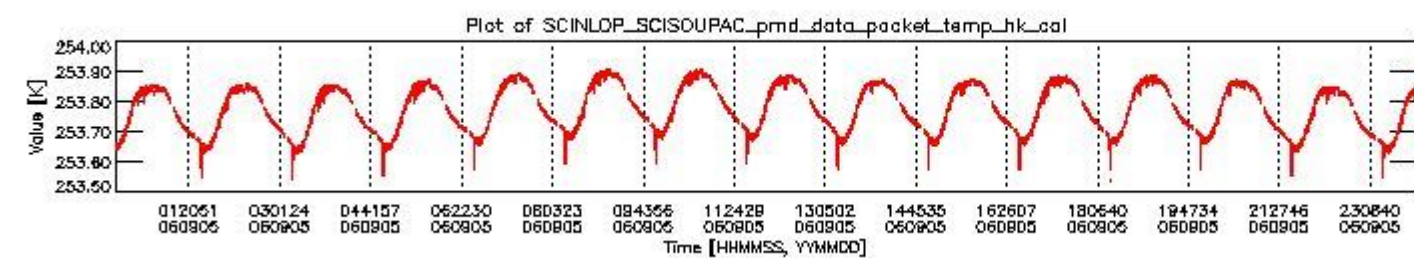
sciamachy_daily_report_level0_PFHS_5_37_N_20060905_0.PNG



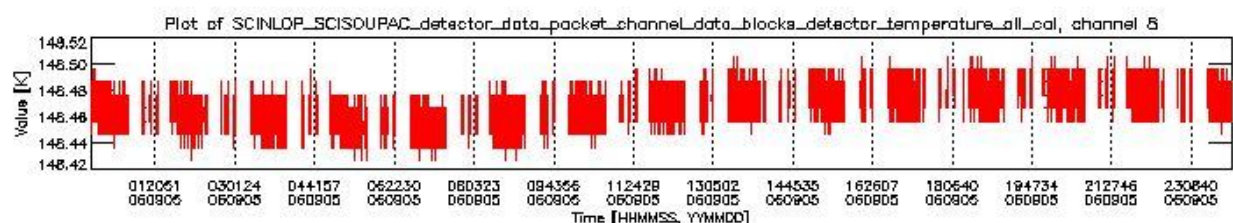
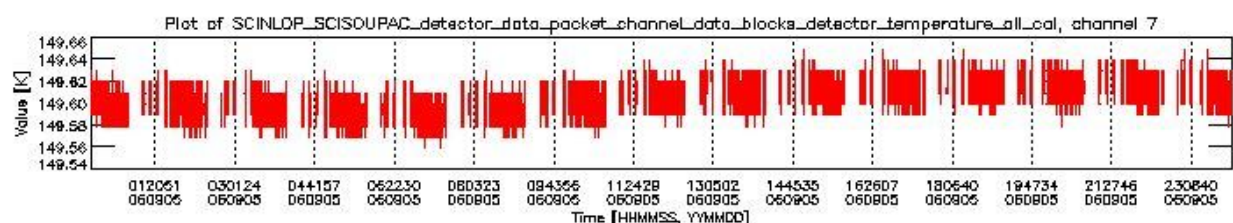
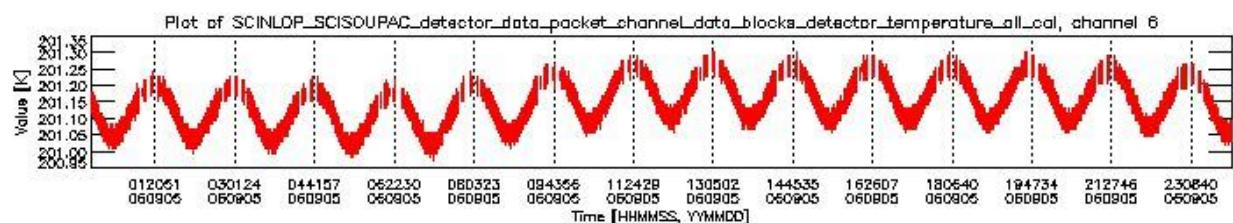
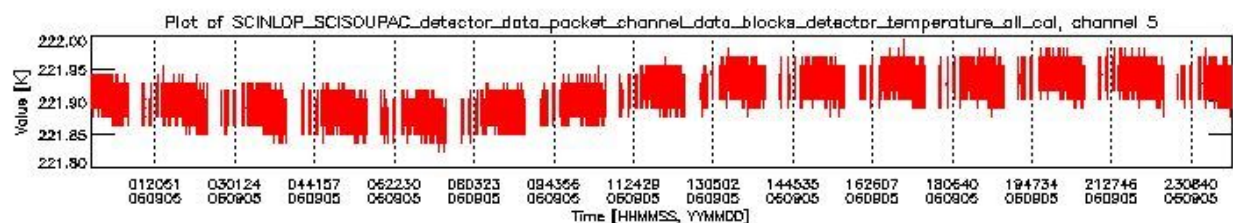
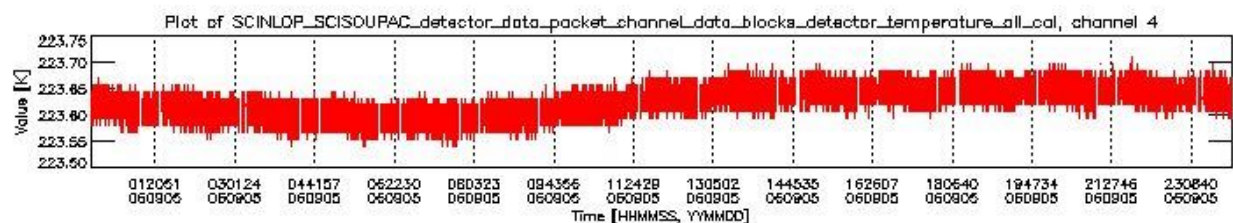
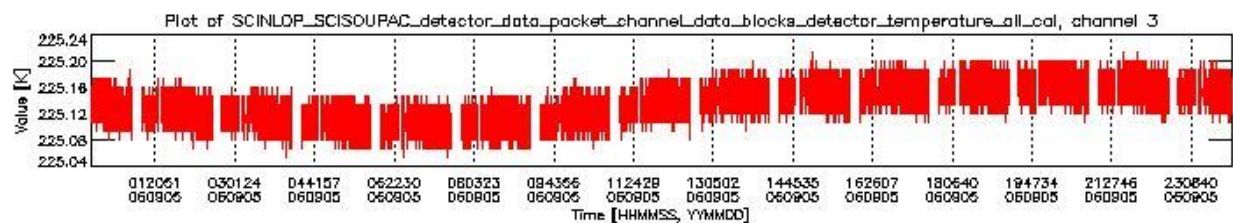
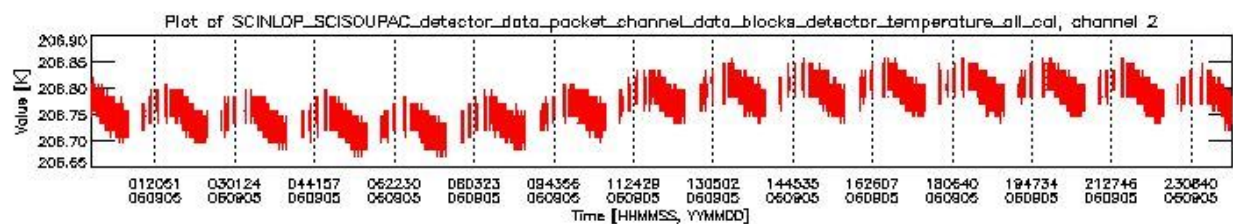
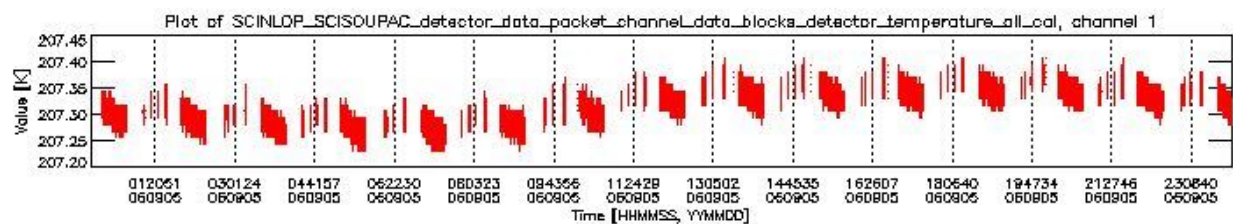
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sciamachy_daily_report_level0_PFHS_5_37_N_20060905_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060905_3.PNG

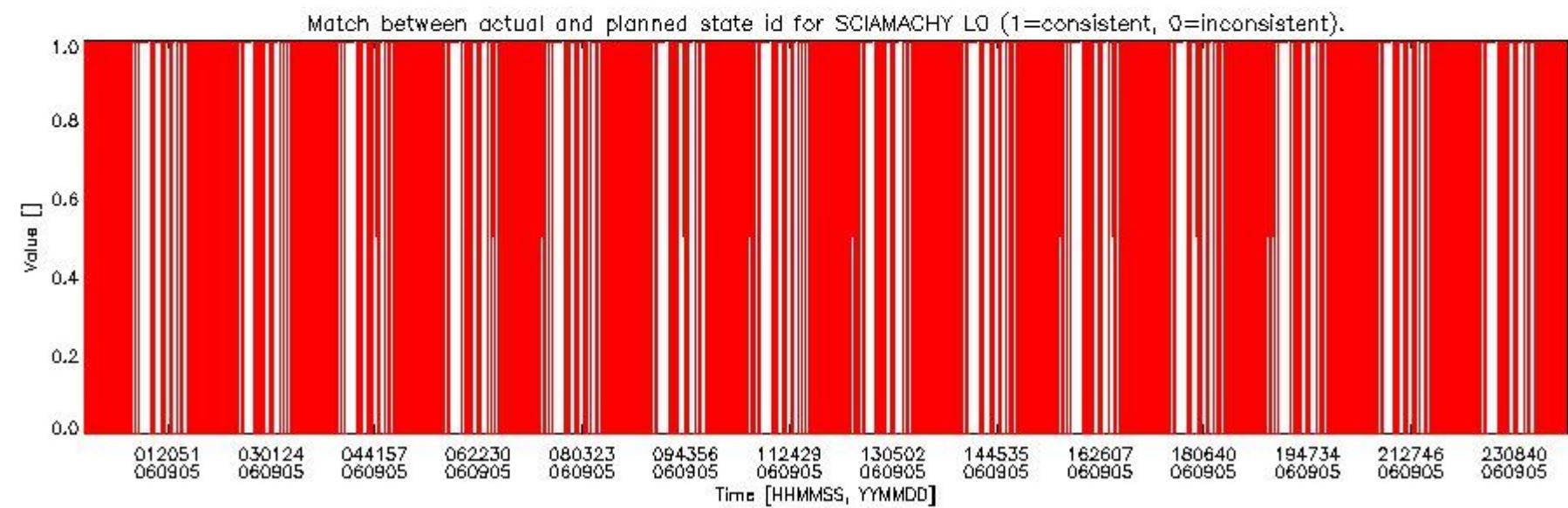
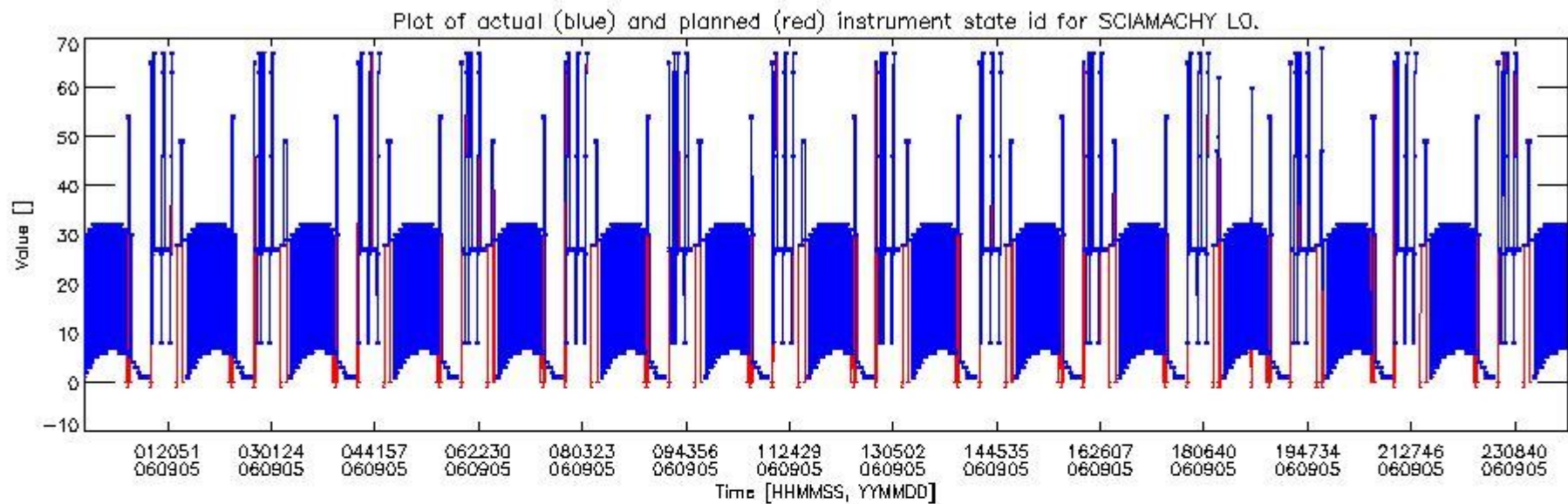


0.3 State monitoring

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: **10426**

#	Actual time	Actual value	Planned time	Planned value
0	05SEP2006 00:00:45.119691	2	05SEP2006 00:00:45.119691	30
1	05SEP2006 00:00:45.369700	2	05SEP2006 00:00:45.369700	30
2	05SEP2006 00:00:45.494704	2	05SEP2006 00:00:45.494704	30
3	05SEP2006 00:00:45.619708	2	05SEP2006 00:00:45.619708	30
4	05SEP2006 00:00:45.744713	2	05SEP2006 00:00:45.744713	30
5	05SEP2006 00:00:45.869717	2	05SEP2006 00:00:45.869717	30
6	05SEP2006 00:00:45.994721	2	05SEP2006 00:00:45.994721	30
7	05SEP2006 00:00:46.119685	2	05SEP2006 00:00:46.119685	30
8	05SEP2006 00:00:46.244690	2	05SEP2006 00:00:46.244690	30
9	05SEP2006 00:00:46.369694	2	05SEP2006 00:00:46.369694	30
10	05SEP2006 00:00:46.494699	2	05SEP2006 00:00:46.494699	30
11	05SEP2006 00:00:46.619703	2	05SEP2006 00:00:46.619703	30
12	05SEP2006 00:00:46.744707	2	05SEP2006 00:00:46.744707	30
13	05SEP2006 00:00:46.869712	2	05SEP2006 00:00:46.869712	30
14	05SEP2006 00:00:46.994716	2	05SEP2006 00:00:46.994716	30
15	05SEP2006 00:00:47.119720	2	05SEP2006 00:00:47.119720	30
16	05SEP2006 00:00:47.244684	2	05SEP2006 00:00:47.244684	30
17	05SEP2006 00:00:47.369689	2	05SEP2006 00:00:47.369689	30
18	05SEP2006 00:01:53.674378	30	05SEP2006 00:01:53.674378	2
19	05SEP2006 00:01:54.299400	30	05SEP2006 00:01:54.299400	2

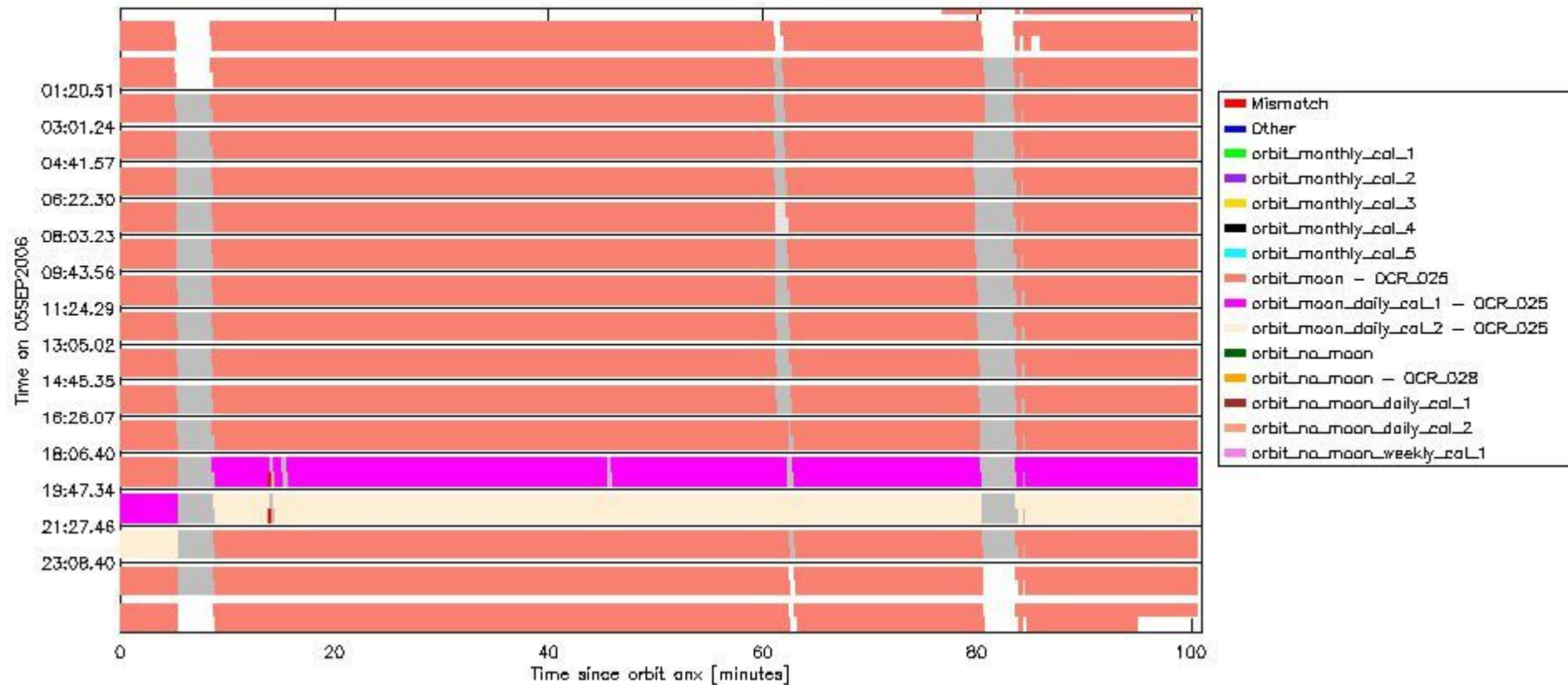


sciamachy_daily_report_level0_PFHS_5_37_N_20060905_5.PNG

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 Q5SEP2006.
 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_PPHS_5_37_N_20060905_6.PNG

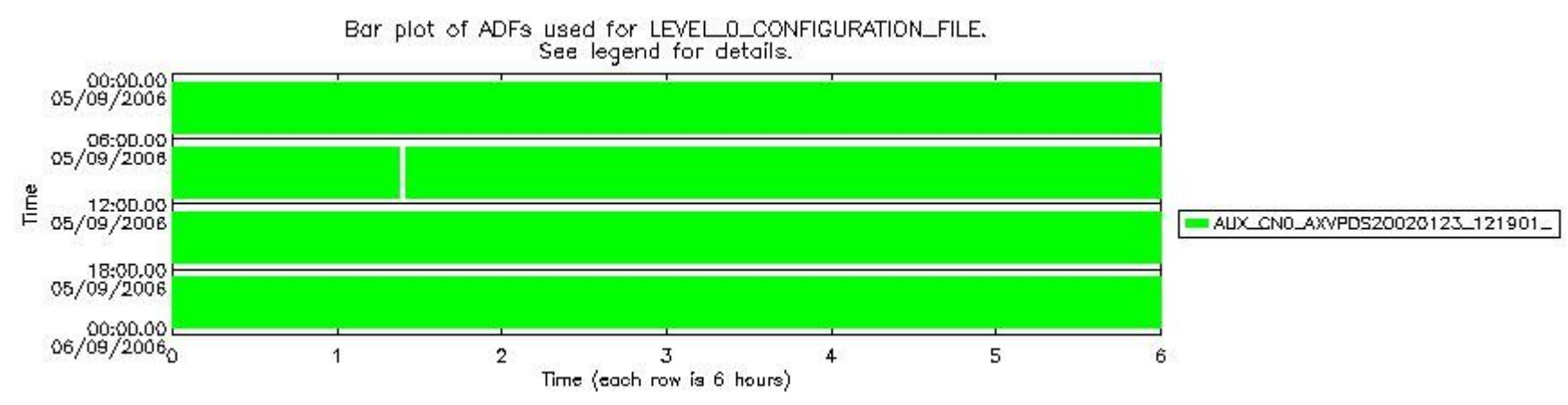
0.4 ADF monitoring

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

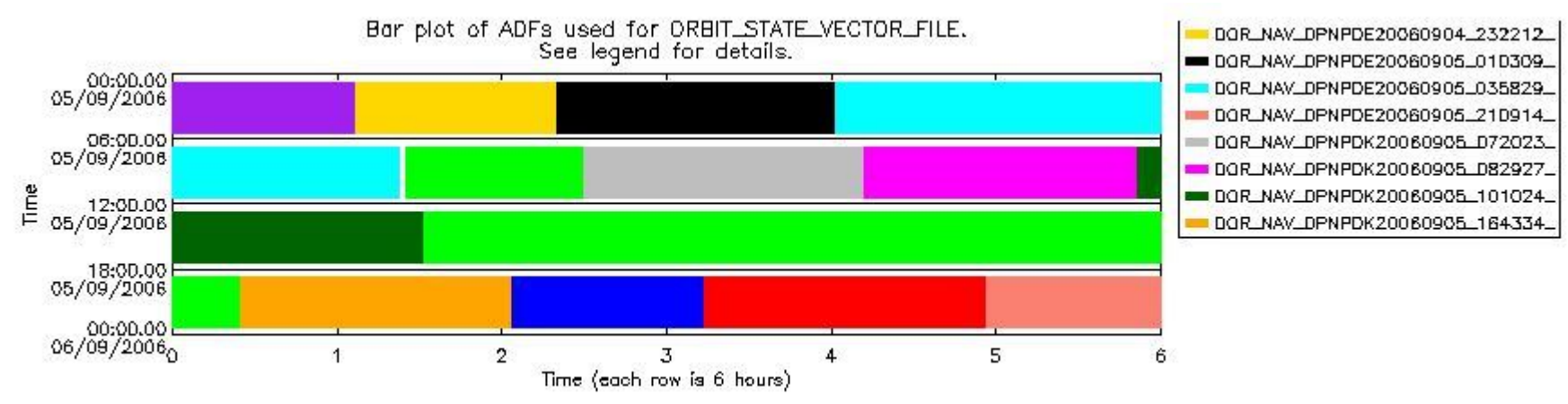
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

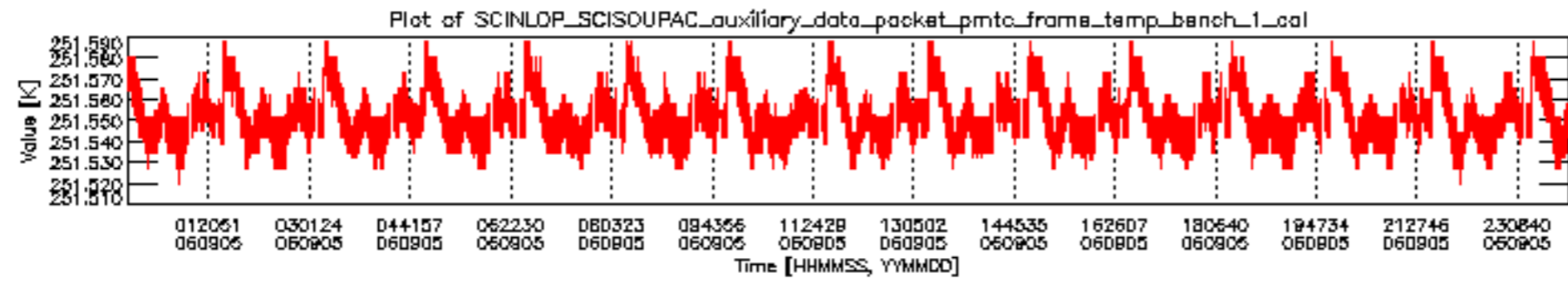
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20060904_233656_20060904_183825_20060914_200436
2	AUX_FPO_AXVPDS20060904_233735_20060904_183825_20060914_200436
3	AUX_FPO_AXVPDS20060905_225732_20060905_194723_20060915_211334
4	DOR_NAV_OPNPDE20060904_221308_000038252051_00001_23602_0492.N1
5	DOR_NAV_OPNPDE20060904_232212_000057382051_00001_23602_0493.N1
6	DOR_NAV_OPNPDE20060905_010309_000041442051_00002_23603_0494.N1
7	DOR_NAV_OPNPDE20060905_035829_000057382051_00004_23605_0496.N1
8	DOR_NAV_OPNPDE20060905_210914_000060572051_00014_23615_0500.N1
9	DOR_NAV_OPNPDK20060905_072023_000038252051_00006_23607_0645.N1
10	DOR_NAV_OPNPDK20060905_082927_000057382051_00007_23608_0646.N1
11	DOR_NAV_OPNPDK20060905_101024_000057382051_00008_23609_0647.N1
12	DOR_NAV_OPNPDK20060905_164334_000057382051_00012_23613_0651.N1

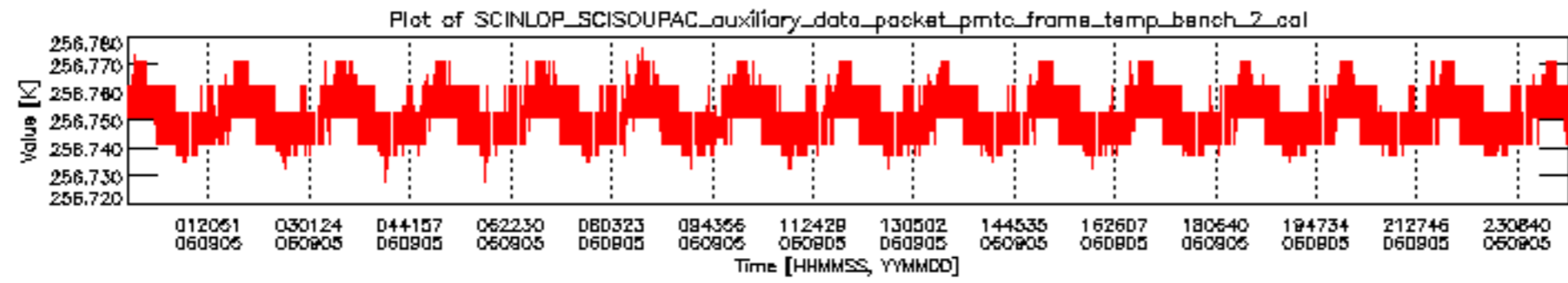


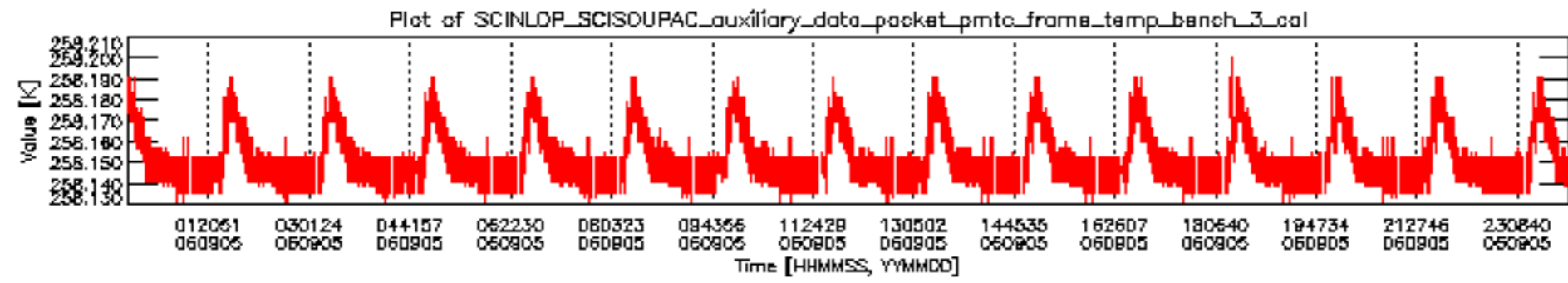
sciamachy_daily_report_level0_PFHS_5_37_N_20060905_7.PNG

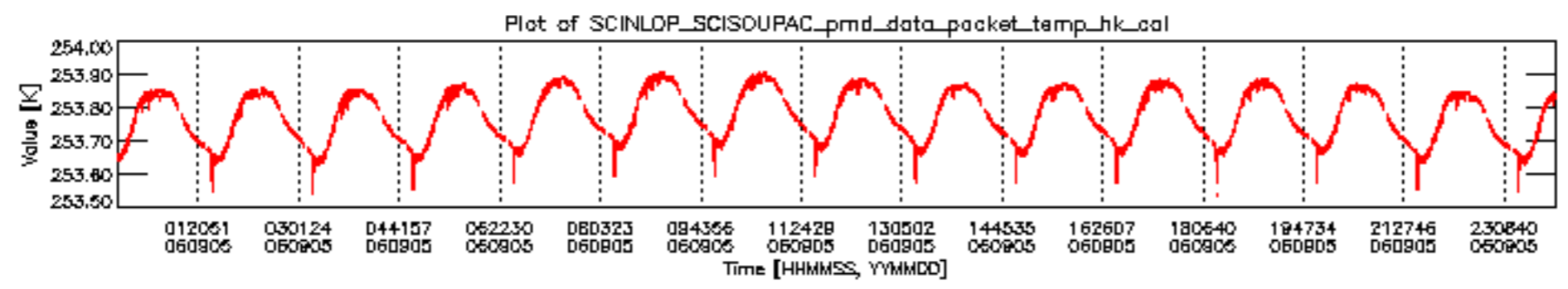


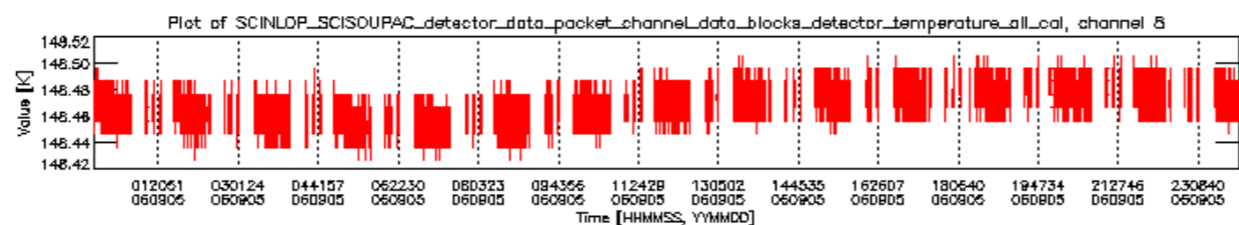
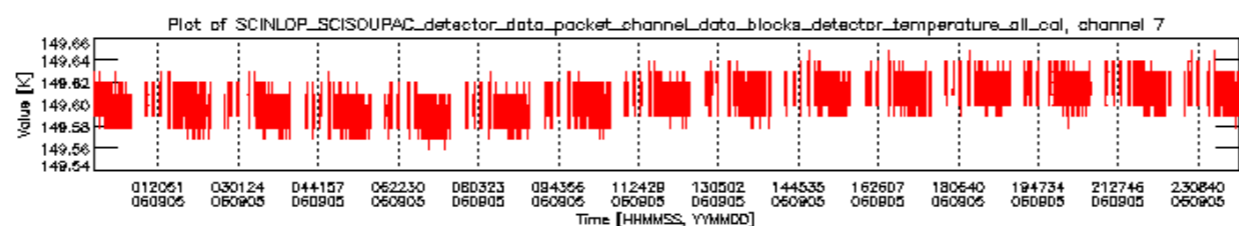
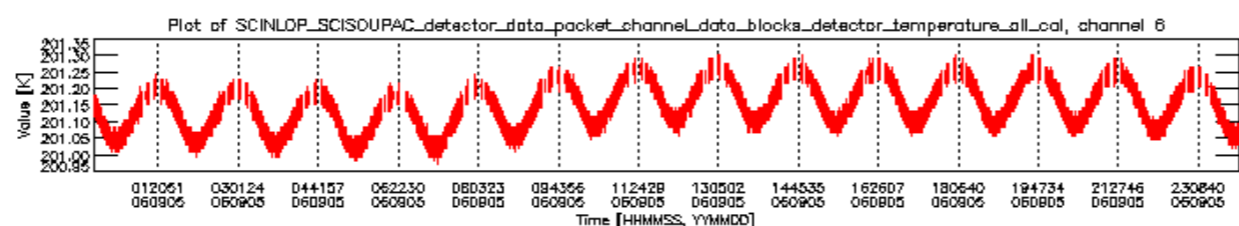
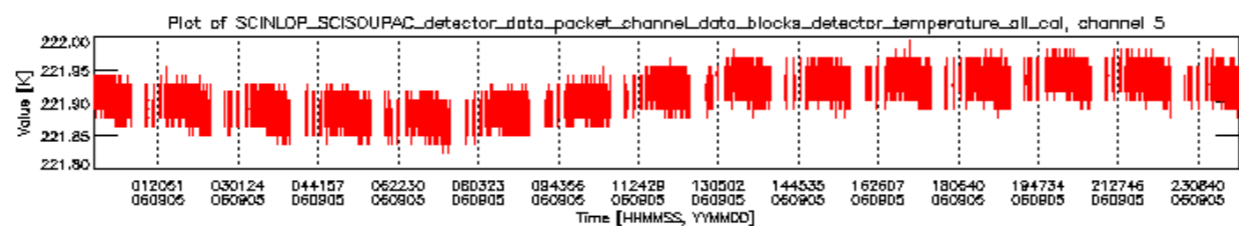
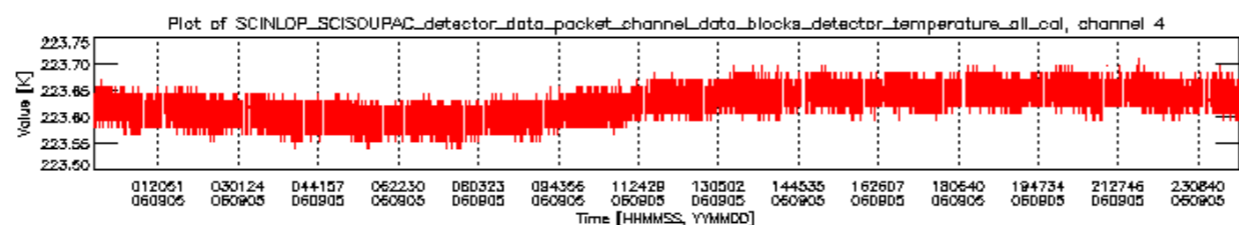
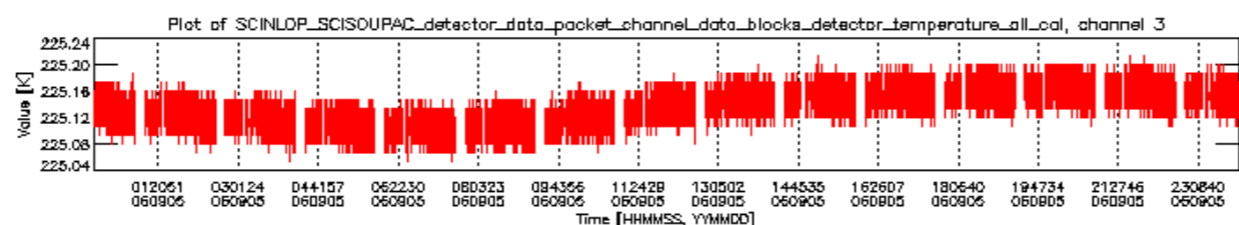
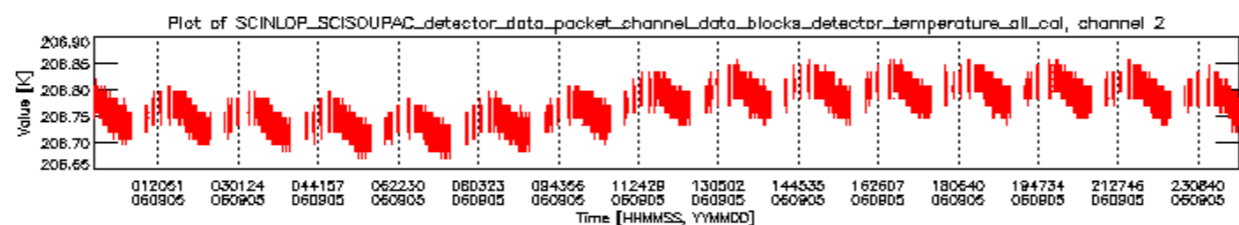
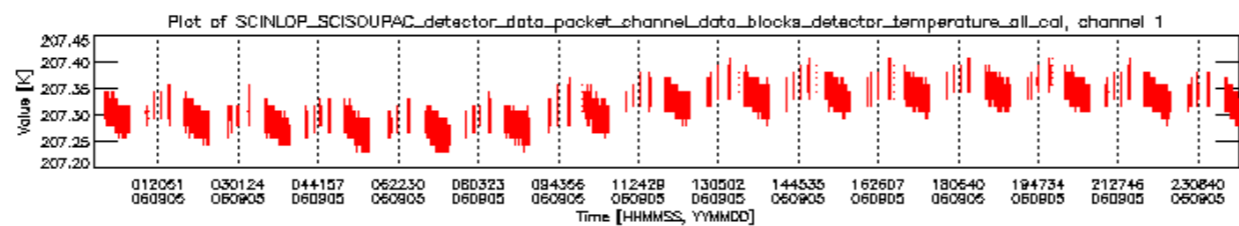
sciamachy_daily_report_level0_PFHS_5_37_N_20060905_8.PNG











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