

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	23NOV2008 06:13:12
Data source version	KSPT_L0/4303-N
Processing scope for products	19NOV2008 00:00:00 to 20NOV2008 00:00:00
Start time of first product within scope	18NOV2008 22:59:56
Stop time of last product within scope	20NOV2008 00:02:54
Total number of level 0 products	16
Number of level 0 products with errors	0

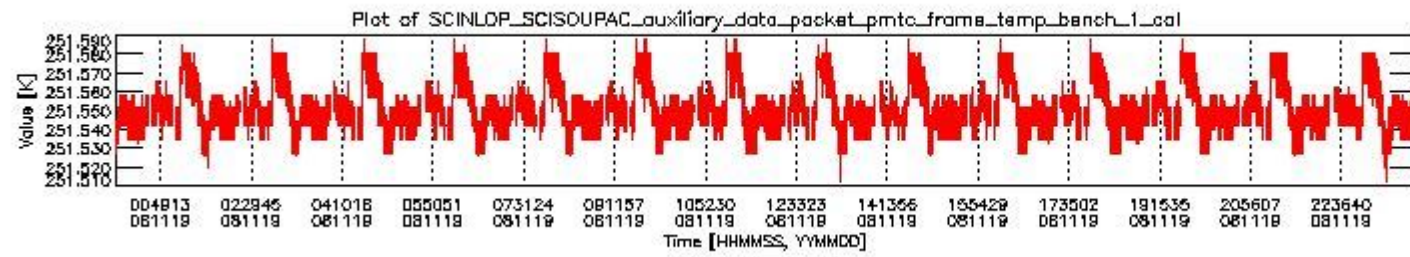
0.1.2 Summary per product

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

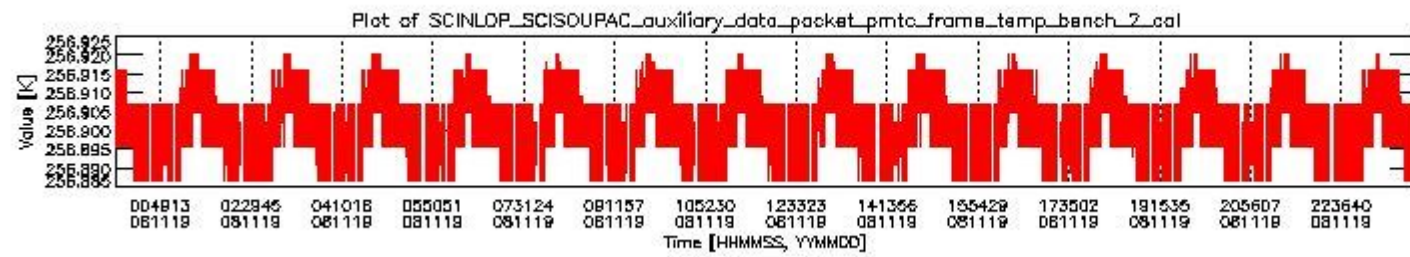
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDE20081118_225956_000056712074_00015_35139_7930.N1	18NOV2008 22:59:56	19NOV2008 00:34:27	0	0	0	0	0
1	SCI_NL__0PNPDE20081119_004033_000056842074_00016_35140_7931.N1	19NOV2008 00:40:33	19NOV2008 02:15:16	0	0	0	0	0
2	SCI_NL__0PNPDE20081119_021408_000044802074_00017_35141_7932.N1	19NOV2008 02:14:08	19NOV2008 03:28:47	0	0	0	0	0
3	SCI_NL__0PNPDE20081119_032847_000061052074_00018_35142_7933.N1	19NOV2008 03:28:47	19NOV2008 05:10:32	0	0	0	0	0
4	SCI_NL__0PNPDE20081119_051032_000060922074_00019_35143_7934.N1	19NOV2008 05:10:32	19NOV2008 06:52:04	0	0	0	0	0
5	SCI_NL__0PNPDK20081119_065204_000040452074_00020_35144_9970.N1	19NOV2008 06:52:04	19NOV2008 07:59:30	0	0	0	0	0
6	SCI_NL__0PNPDK20081119_075834_000061482074_00021_35145_9971.N1	19NOV2008 07:58:34	19NOV2008 09:41:02	0	0	0	0	0
7	SCI_NL__0PNPDK20081119_094006_000060362074_00022_35146_9972.N1	19NOV2008 09:40:06	19NOV2008 11:20:42	0	0	0	0	0
8	SCI_NL__0PNPDK20081119_111837_000060922074_00023_35147_9973.N1	19NOV2008 11:18:37	19NOV2008 13:00:10	0	0	0	0	0
9	SCI_NL__0PNPDK20081119_125914_000059802074_00024_35148_9974.N1	19NOV2008 12:59:14	19NOV2008 14:38:54	0	0	0	0	0
10	SCI_NL__0PNPDK20081119_143758_000058422074_00025_35149_9975.N1	19NOV2008 14:37:58	19NOV2008 16:15:21	0	0	0	0	0
11	SCI_NL__0PNPDK20081119_161424_000059802074_00026_35150_9976.N1	19NOV2008 16:14:24	19NOV2008 17:54:04	0	0	0	0	0
12	SCI_NL__0PNPDK20081119_175212_000057392074_00027_35151_9977.N1	19NOV2008 17:52:12	19NOV2008 19:27:51	0	0	0	0	0
13	SCI_NL__0PNPDK20081119_193249_000060362074_00028_35152_9978.N1	19NOV2008 19:32:49	19NOV2008 21:13:25	0	0	0	0	0
14	SCI_NL__0PNPDE20081119_211325_000041462074_00029_35153_7935.N1	19NOV2008 21:13:25	19NOV2008 22:22:31	0	0	0	0	0
15	SCI_NL__0PNPDE20081119_222231_000060232074_00029_35153_7936.N1	19NOV2008 22:22:31	20NOV2008 00:02:54	0	0	0	0	0

0.2 Product Quality Indicators

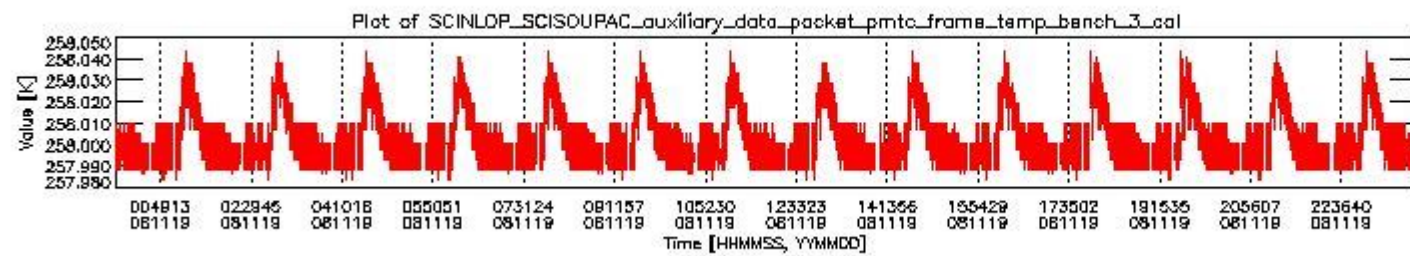
This section shows information about product quality, currently temperatures.



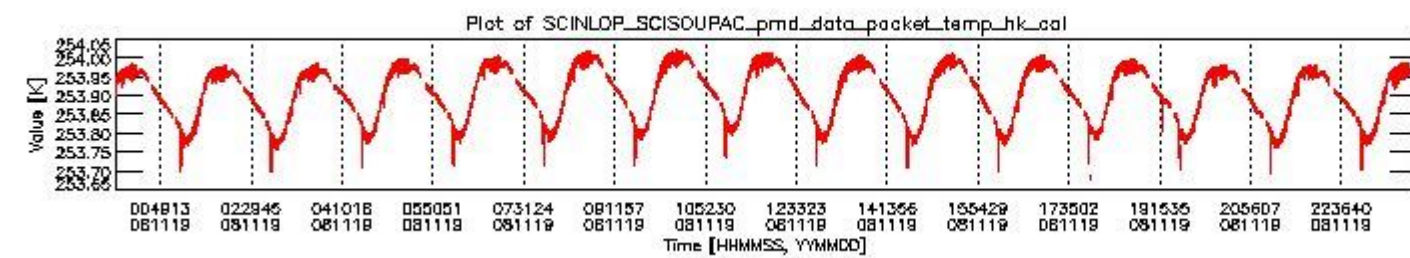
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081119_0.PNG



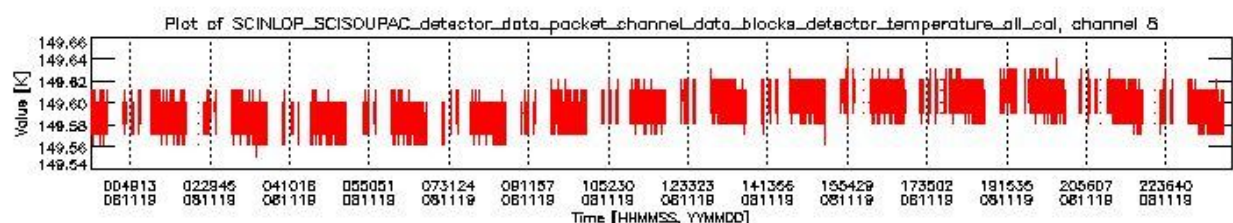
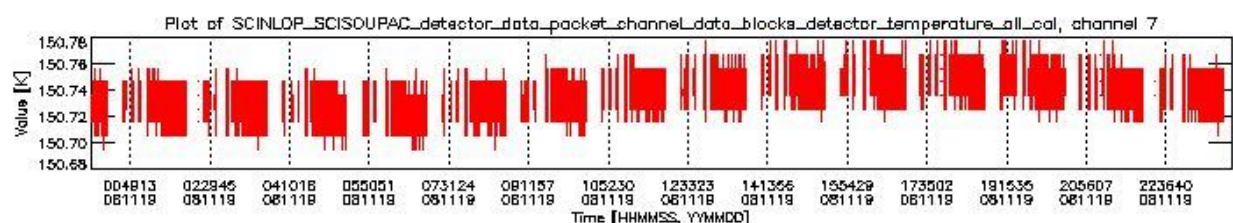
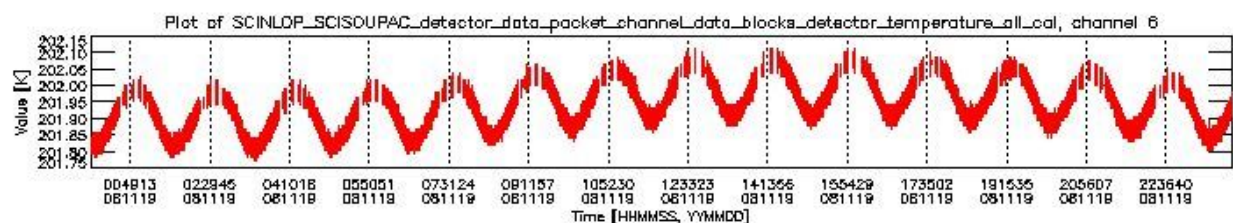
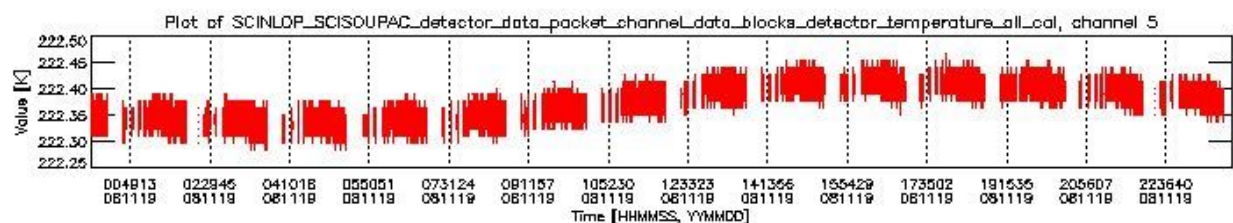
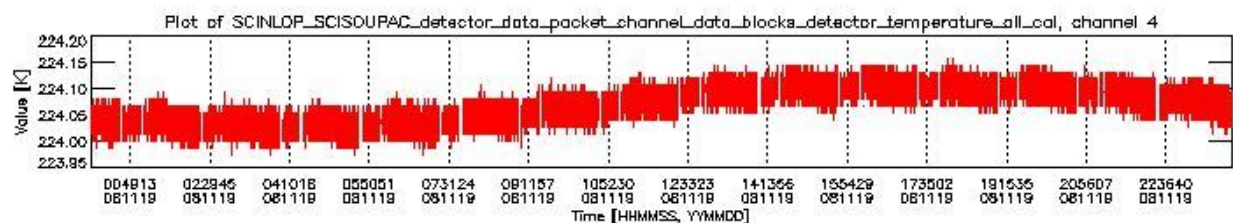
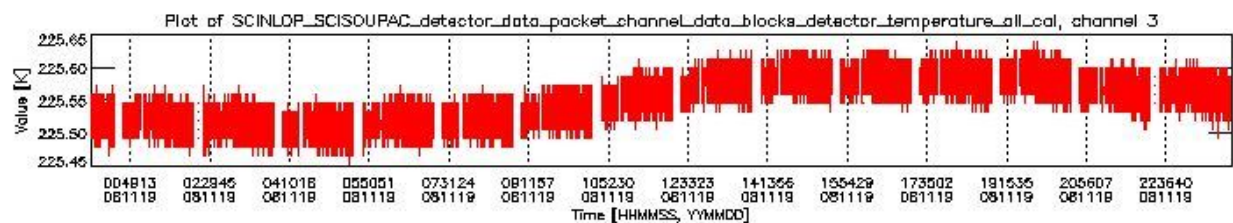
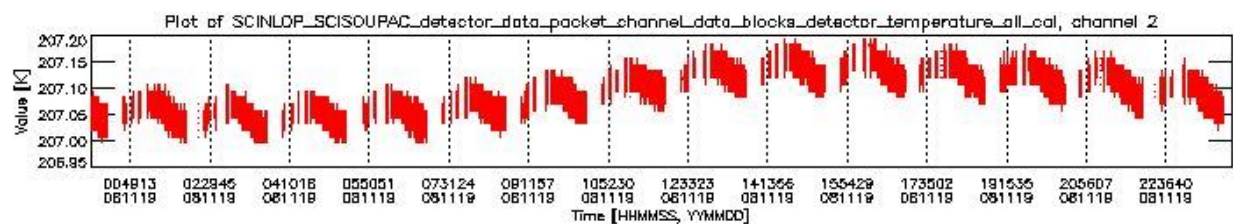
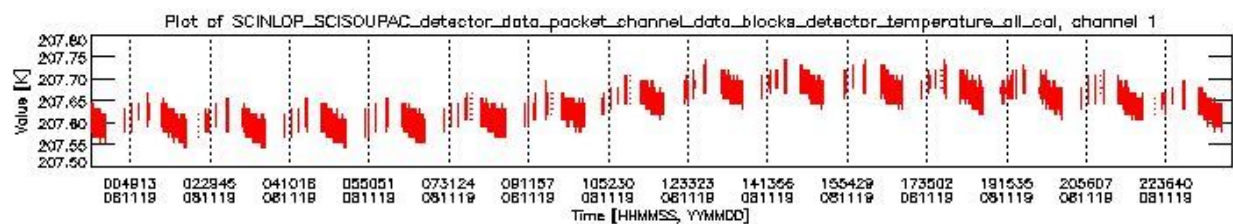
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081119_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081119_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081119_3.PNG

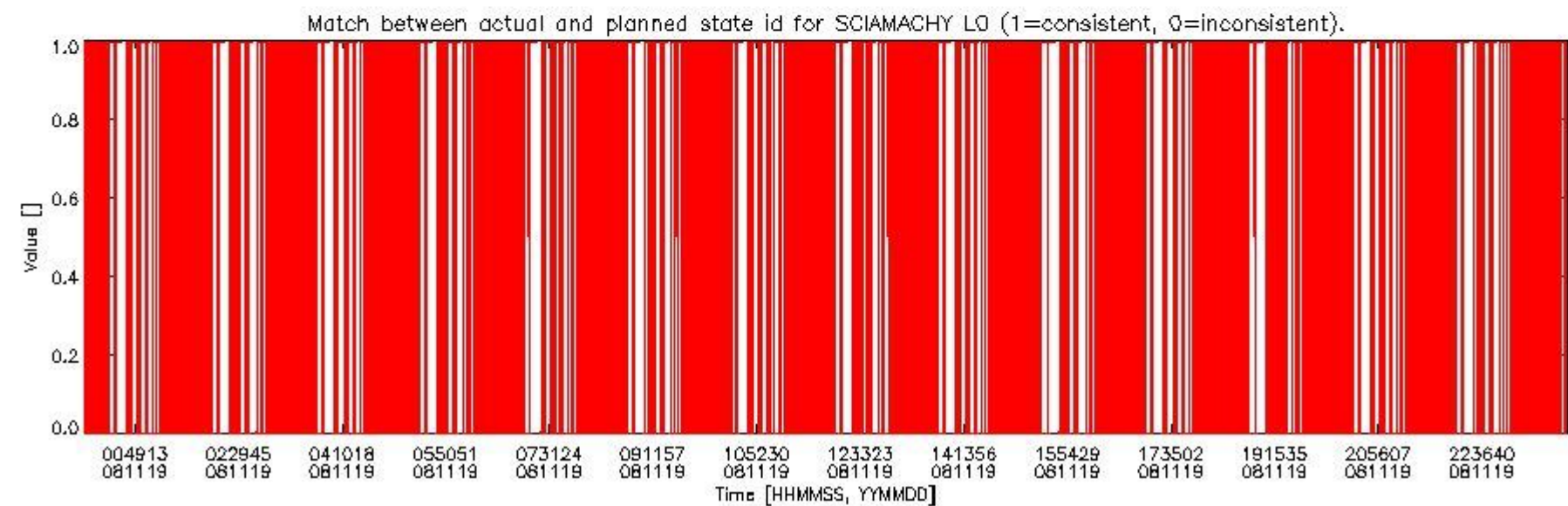
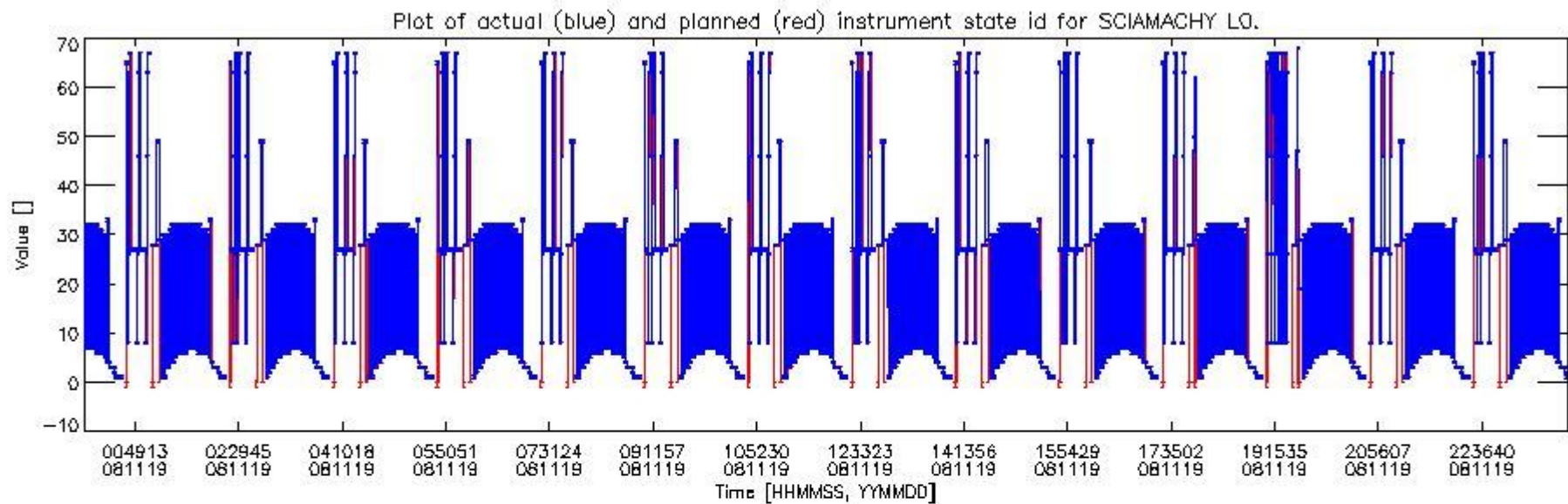


0.3 State monitoring

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: **59969**

#	Actual time	Actual value	Planned time	Planned value
0	19NOV2008 00:00:13.668926	7	19NOV2008 00:00:13.668926	32
1	19NOV2008 00:00:14.043939	7	19NOV2008 00:00:14.043939	32
2	19NOV2008 00:00:14.293948	7	19NOV2008 00:00:14.293948	32
3	19NOV2008 00:00:14.543957	7	19NOV2008 00:00:14.543957	32
4	19NOV2008 00:00:14.793965	7	19NOV2008 00:00:14.793965	32
5	19NOV2008 00:00:15.043934	7	19NOV2008 00:00:15.043934	32
6	19NOV2008 00:00:15.293942	7	19NOV2008 00:00:15.293942	32
7	19NOV2008 00:00:15.543951	7	19NOV2008 00:00:15.543951	32
8	19NOV2008 00:00:15.793960	7	19NOV2008 00:00:15.793960	32
9	19NOV2008 00:00:16.043928	7	19NOV2008 00:00:16.043928	32
10	19NOV2008 00:00:16.293937	7	19NOV2008 00:00:16.293937	32
11	19NOV2008 00:00:16.543946	7	19NOV2008 00:00:16.543946	32
12	19NOV2008 00:00:16.793954	7	19NOV2008 00:00:16.793954	32
13	19NOV2008 00:00:17.043963	7	19NOV2008 00:00:17.043963	32
14	19NOV2008 00:00:17.293932	7	19NOV2008 00:00:17.293932	32
15	19NOV2008 00:00:17.543940	7	19NOV2008 00:00:17.543940	32
16	19NOV2008 00:00:17.793949	7	19NOV2008 00:00:17.793949	32
17	19NOV2008 00:00:18.043958	7	19NOV2008 00:00:18.043958	32
18	19NOV2008 00:00:18.293926	7	19NOV2008 00:00:18.293926	32
19	19NOV2008 00:00:18.543935	7	19NOV2008 00:00:18.543935	32
...

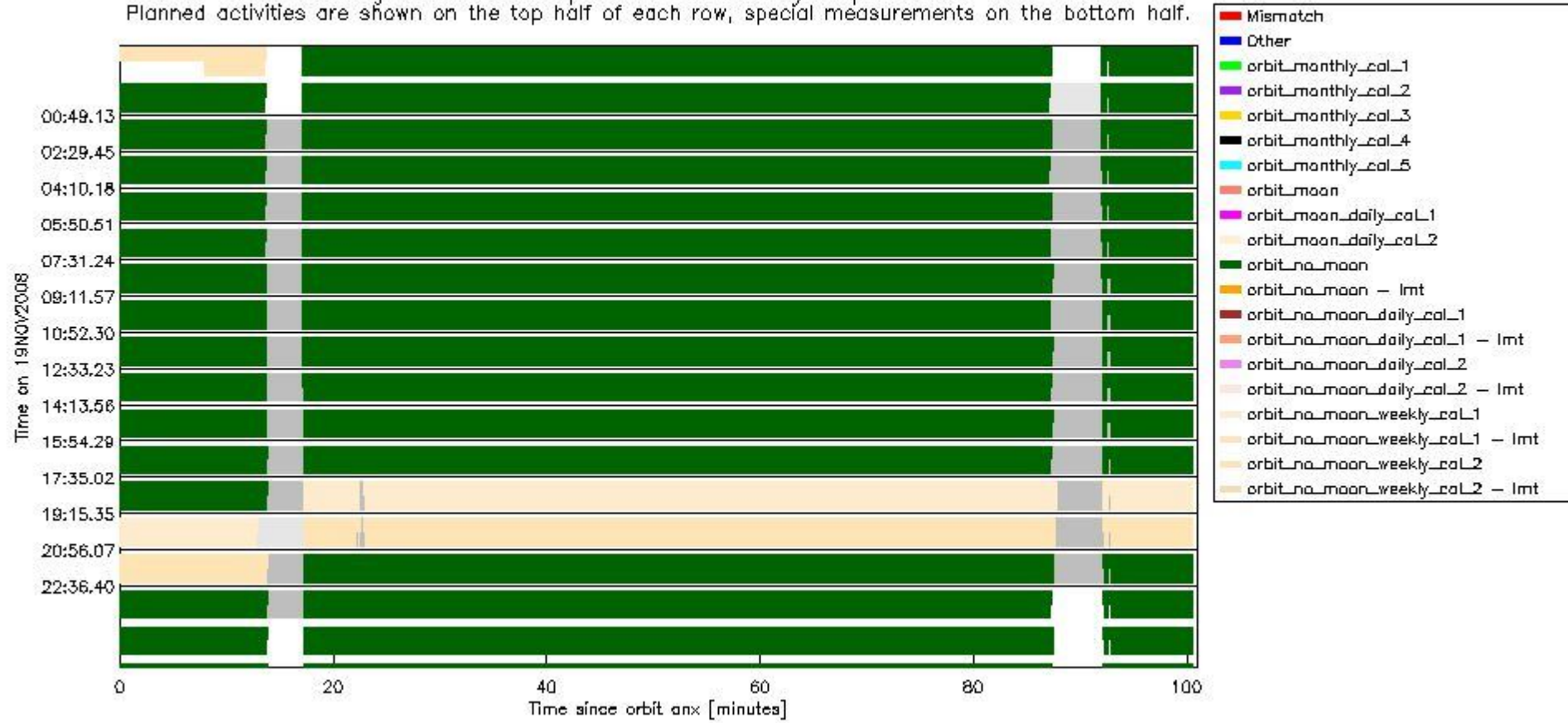


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081119_5.PNG

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 19NOV2008.
 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_20081119_6.PNG

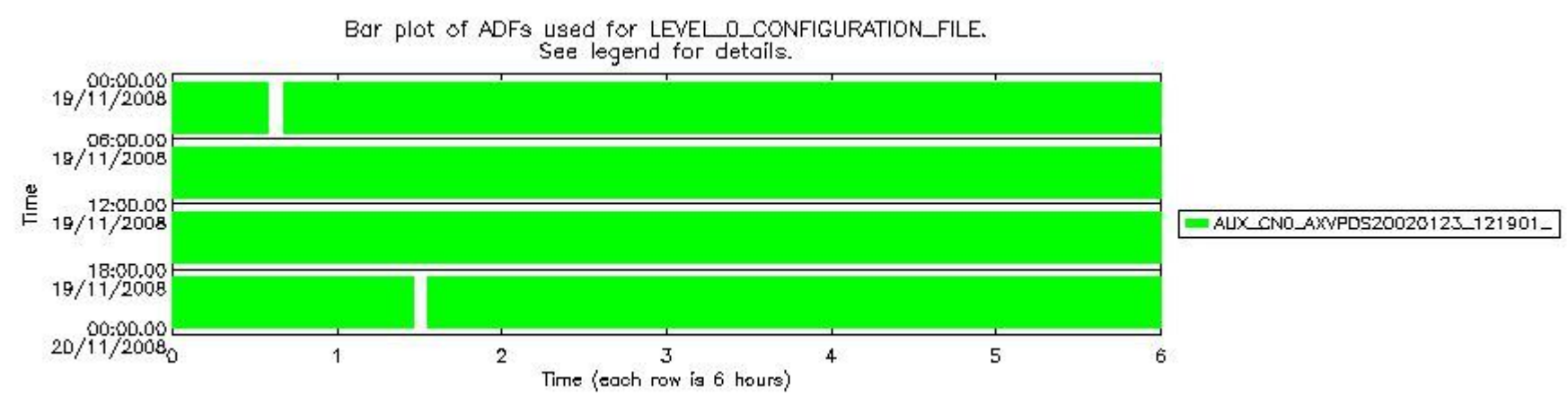
0.4 ADF monitoring

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

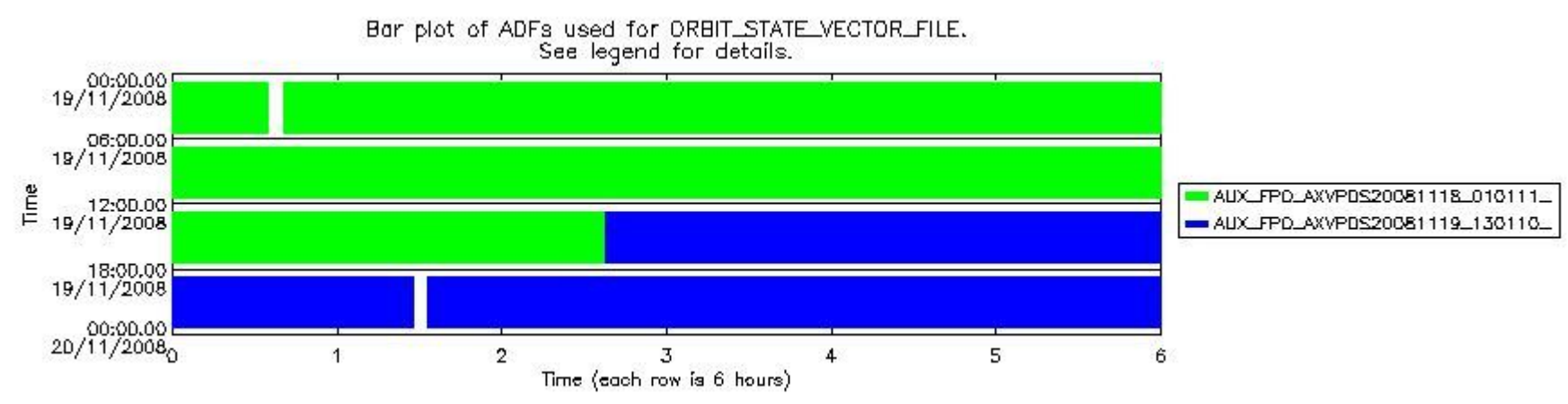
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

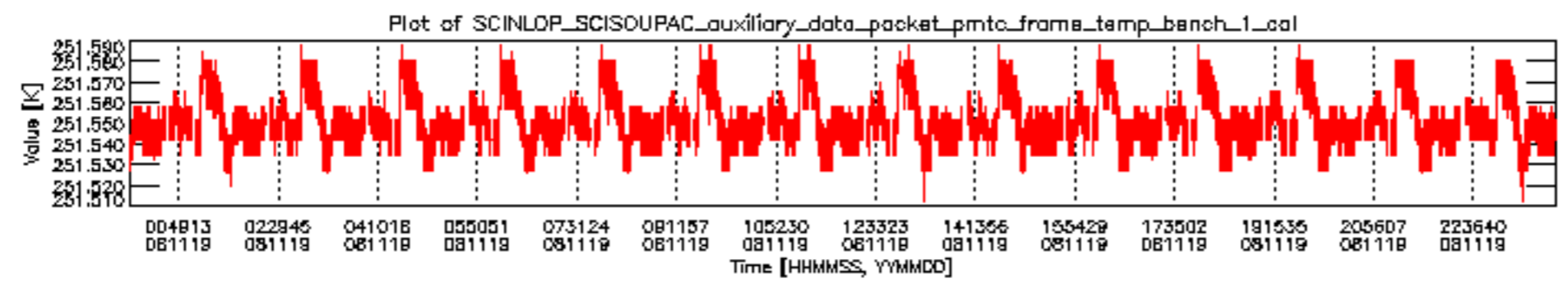
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081118_010111_20081117_183815_20081127_200427
2	AUX_FPO_AXVPDS20081119_130110_20081118_194714_20081128_211329

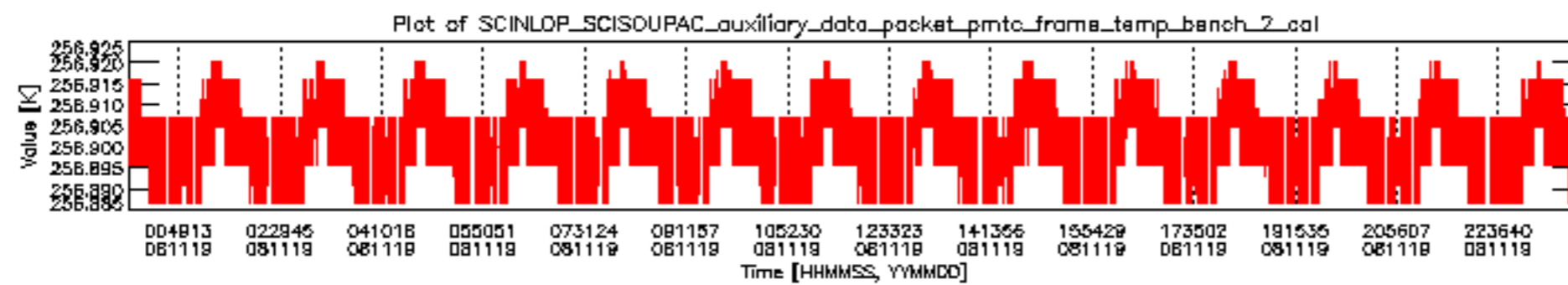


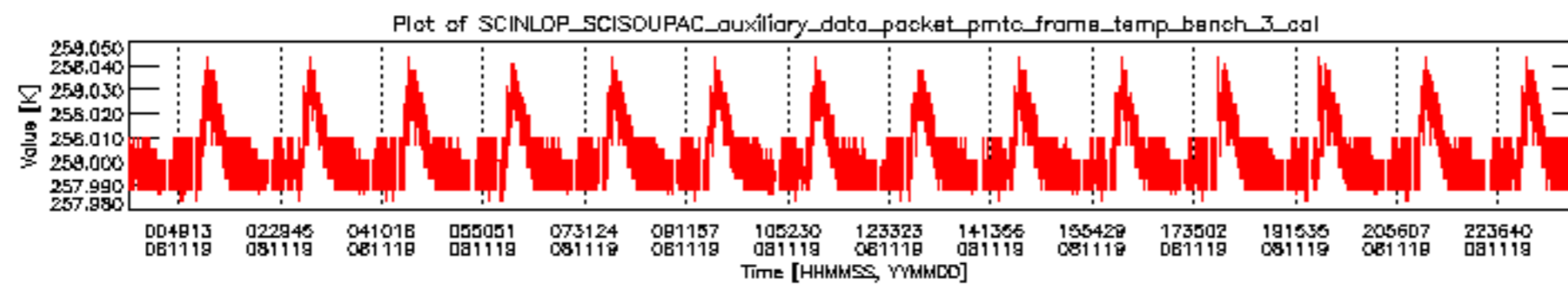
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081119_7.PNG

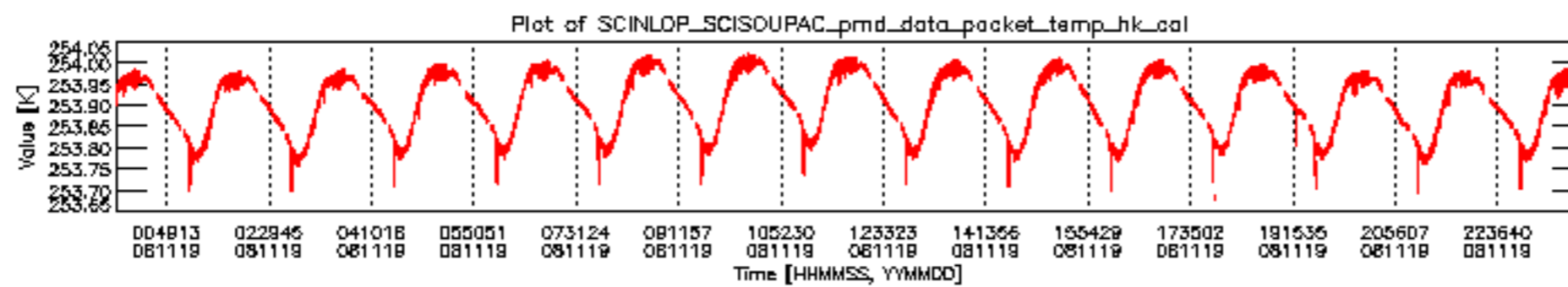


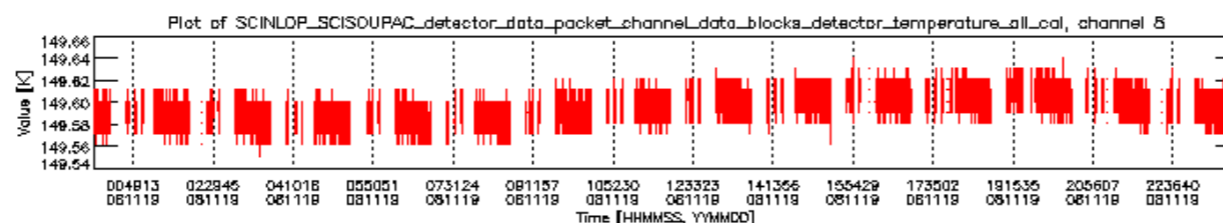
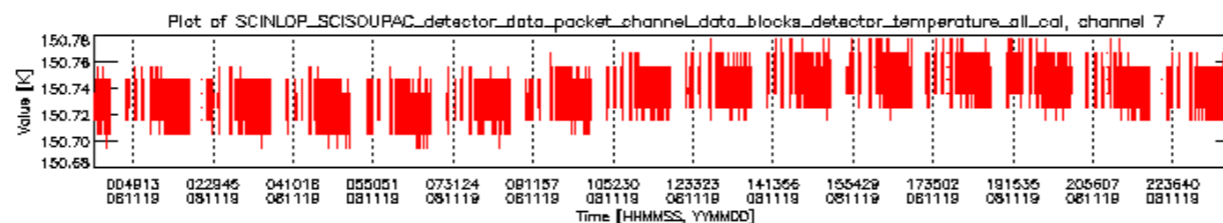
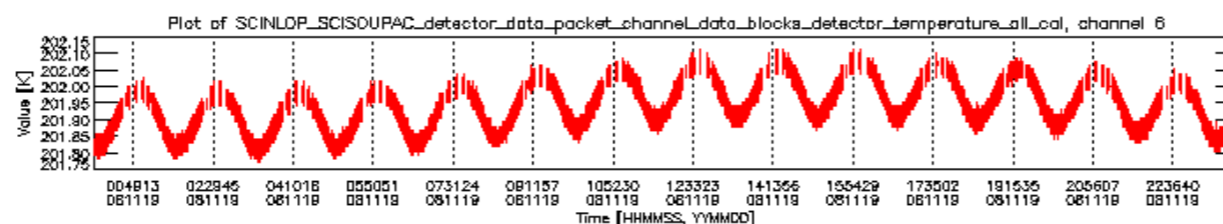
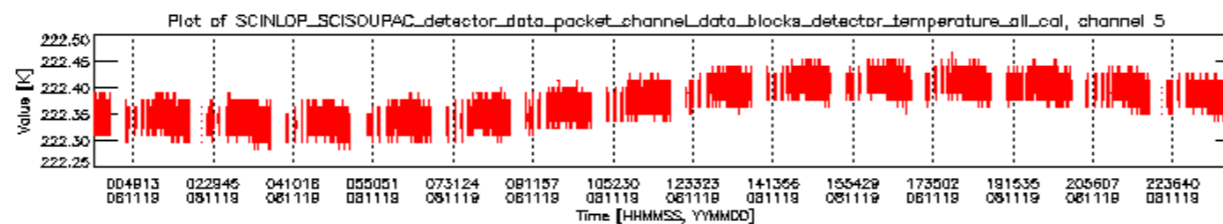
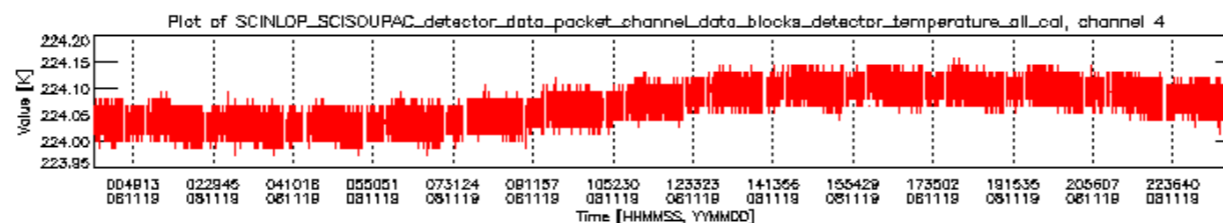
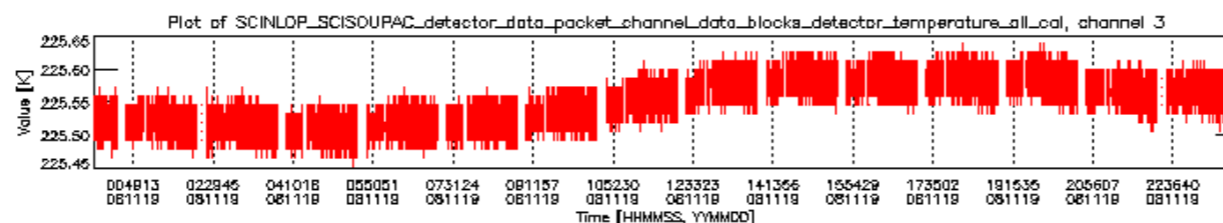
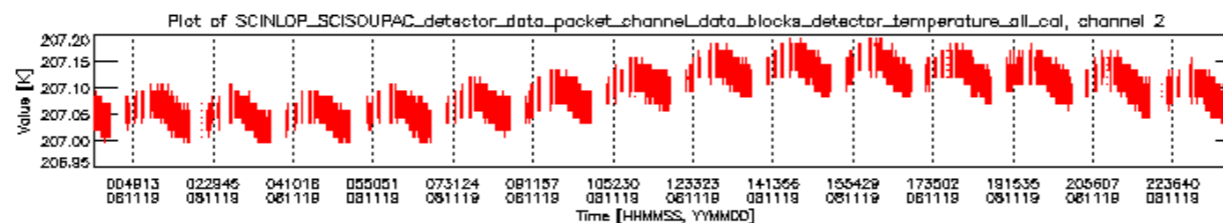
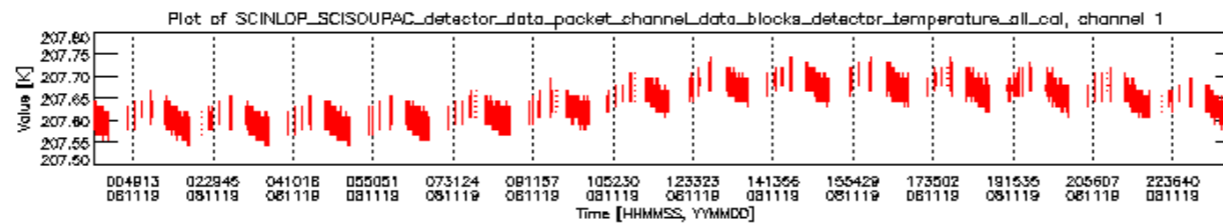
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081119_8.PNG











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