

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	24SEP2006 05:15:08
Data source version	PFHS/5.37-N
Processing scope for products	20SEP2006 00:00:00 to 21SEP2006 00:00:00
Start time of first product within scope	19SEP2006 23:56:04
Stop time of last product within scope	21SEP2006 01:07:11
Total number of level 0 products	16
Number of level 0 products with errors	16

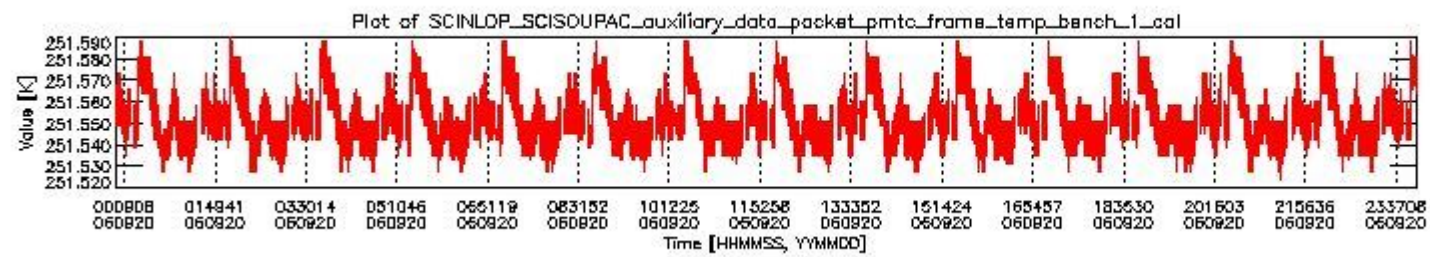
0.1.2 Summary per product

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

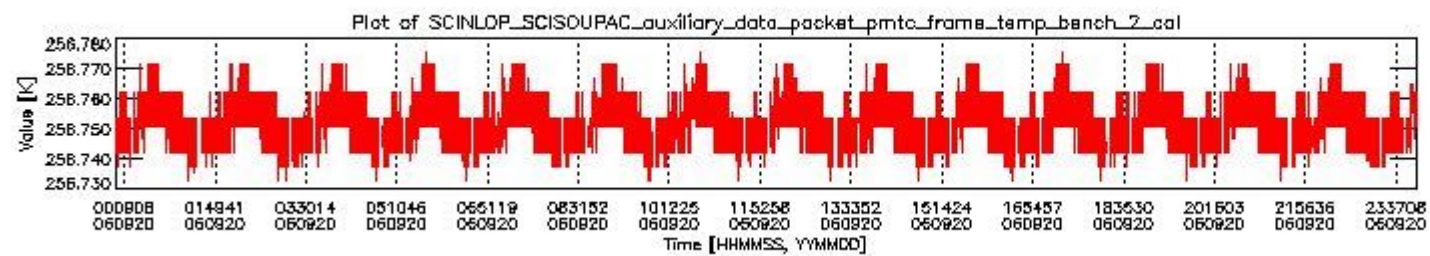
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060919_235604_000059042051_00216_23817_0628.N1	19SEP2006 23:56:04	20SEP2006 01:34:29	1	0	1	0	0
1	SCI_NL__OPNPDE20060920_013429_000044302051_00217_23818_0629.N1	20SEP2006 01:34:29	20SEP2006 02:48:20	1	0	1	0	0
2	SCI_NL__OPNPDE20060920_024820_000060922051_00218_23819_0630.N1	20SEP2006 02:48:20	20SEP2006 04:29:52	1	0	1	0	0
3	SCI_NL__OPNPDE20060920_042952_000061052051_00219_23820_0631.N1	20SEP2006 04:29:52	20SEP2006 06:11:37	1	0	1	0	0
4	SCI_NL__OPNPDK20060920_061042_000041572051_00220_23821_0767.N1	20SEP2006 06:10:42	20SEP2006 07:19:59	1	0	1	0	0
5	SCI_NL__OPNPDK20060920_071959_000061042051_00221_23822_0768.N1	20SEP2006 07:19:59	20SEP2006 09:01:44	1	0	1	0	0
6	SCI_NL__OPNPDK20060920_090048_000059672051_00222_23823_0769.N1	20SEP2006 09:00:48	20SEP2006 10:40:16	1	0	1	0	0
7	SCI_NL__OPNPDK20060920_103907_000060492051_00223_23824_0770.N1	20SEP2006 10:39:07	20SEP2006 12:19:57	1	0	1	0	0
8	SCI_NL__OPNPDK20060920_121848_000059672051_00224_23825_0771.N1	20SEP2006 12:18:48	20SEP2006 13:58:16	1	0	1	0	0
9	SCI_NL__OPNPDK20060920_135720_000060362051_00225_23826_0772.N1	20SEP2006 13:57:20	20SEP2006 15:37:56	1	0	1	0	0
10	SCI_NL__OPNPDK20060920_153701_000057812051_00226_23827_0773.N1	20SEP2006 15:37:01	20SEP2006 17:13:22	1	0	1	0	0
11	SCI_NL__OPNPDK20060920_171226_000060622051_00227_23828_0774.N1	20SEP2006 17:12:26	20SEP2006 18:53:29	1	0	1	0	0
12	SCI_NL__OPNPDK20060920_185153_000061122051_00228_23829_0775.N1	20SEP2006 18:51:53	20SEP2006 20:33:46	1	0	1	0	0
13	SCI_NL__OPNPDE20060920_203250_000042712051_00229_23830_0632.N1	20SEP2006 20:32:50	20SEP2006 21:44:01	1	0	1	0	0
14	SCI_NL__OPNPDE20060920_214231_000062452051_00229_23830_0633.N1	20SEP2006 21:42:31	20SEP2006 23:26:36	1	0	1	0	0
15	SCI_NL__OPNPDE20060920_232519_000061122051_00230_23831_0634.N1	20SEP2006 23:25:19	21SEP2006 01:07:11	1	0	1	0	0

0.2 Product Quality Indicators

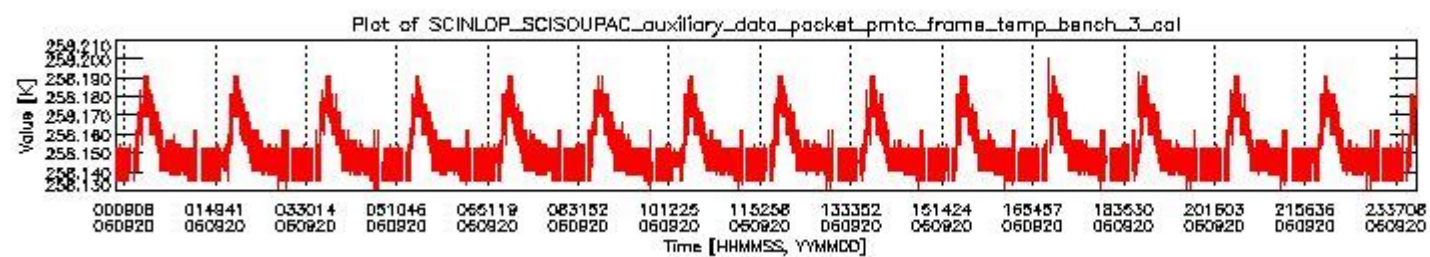
This section shows information about product quality, currently temperatures.



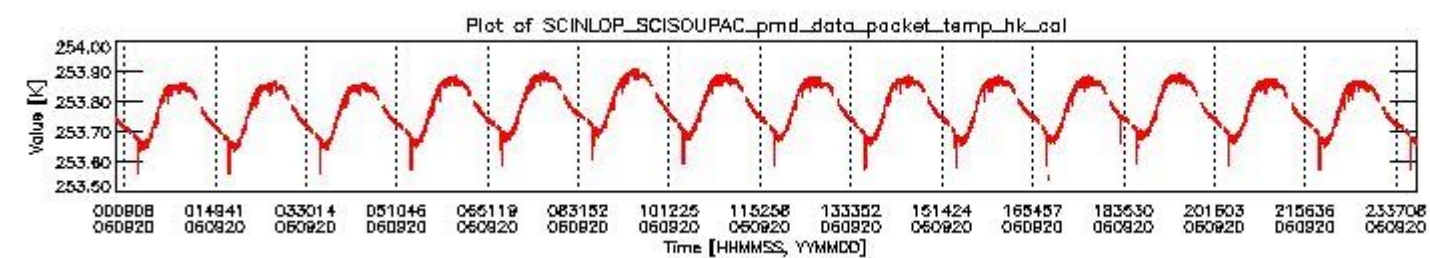
sciamachy_daily_report_level0_PFHS_5_37_N_20060920_0.PNG



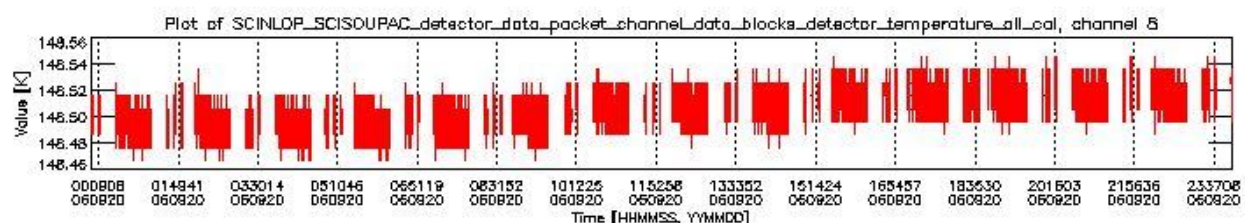
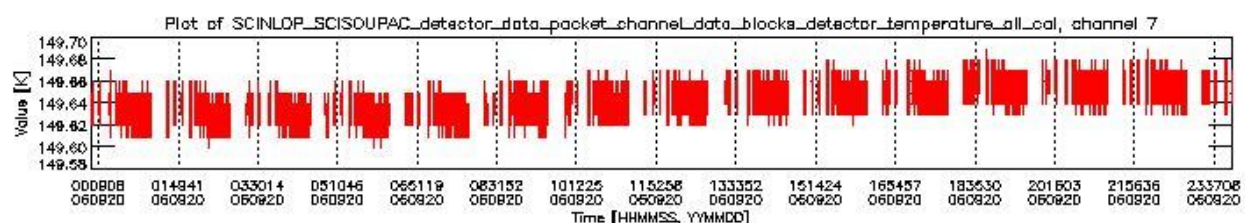
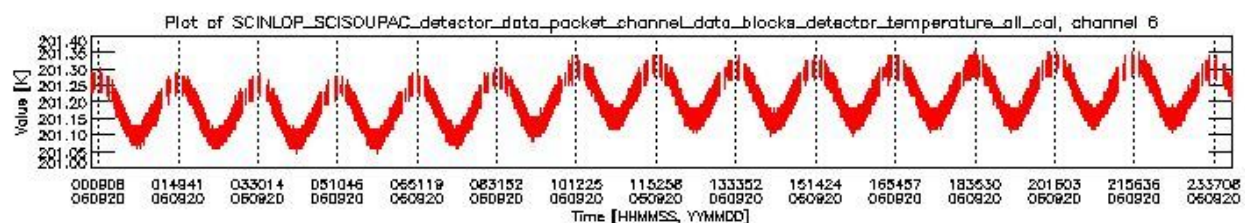
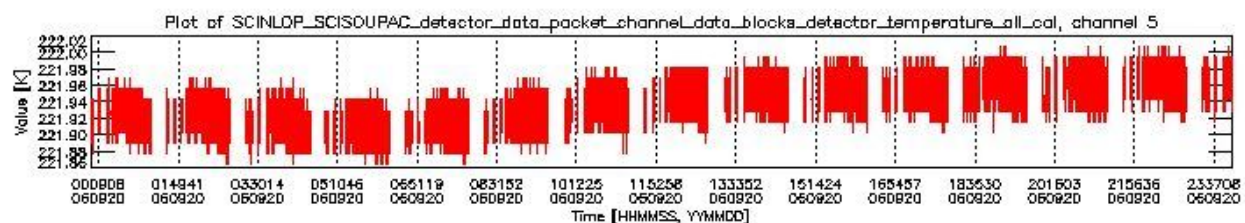
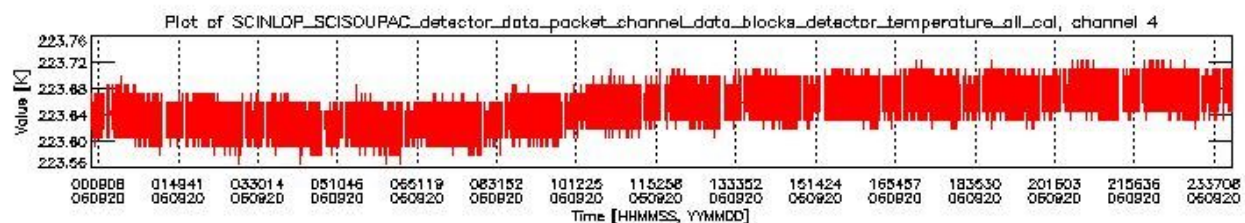
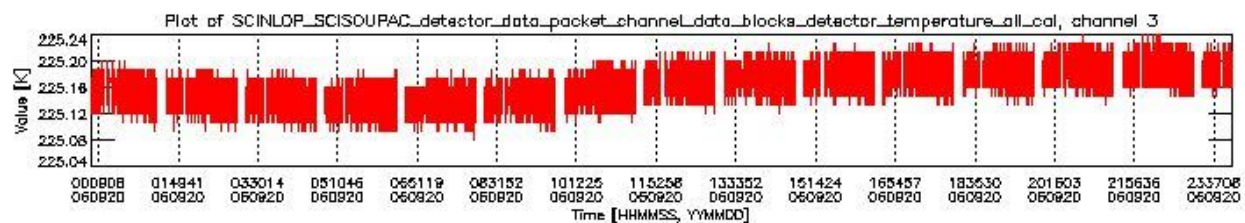
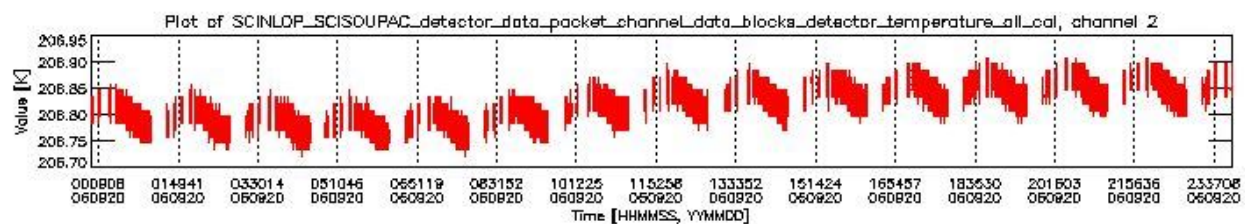
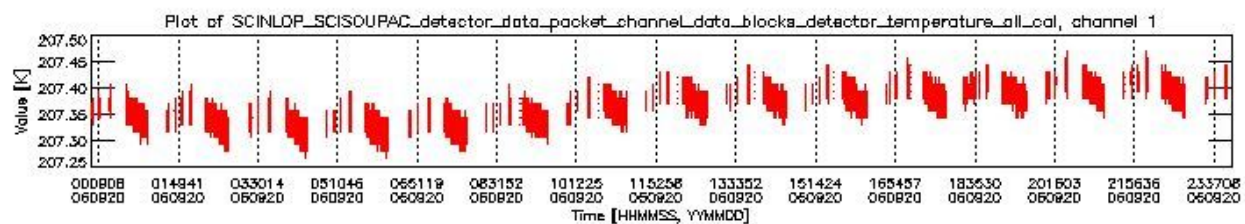
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sciamachy_daily_report_level0_PFHS_5_37_N_20060920_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060920_3.PNG

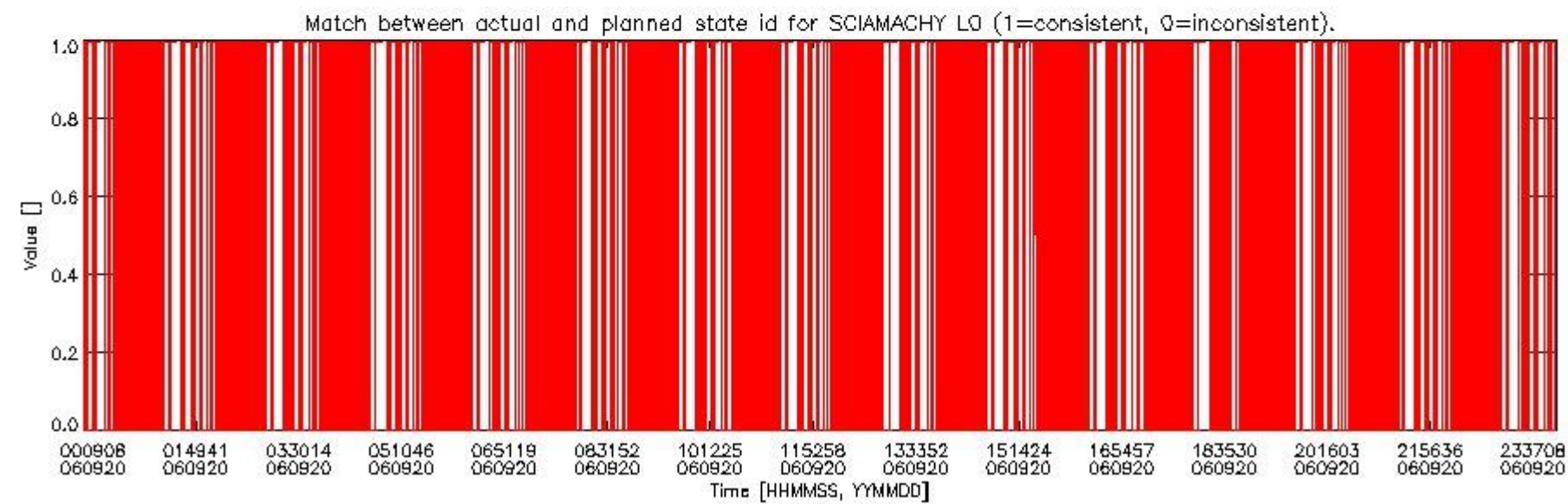
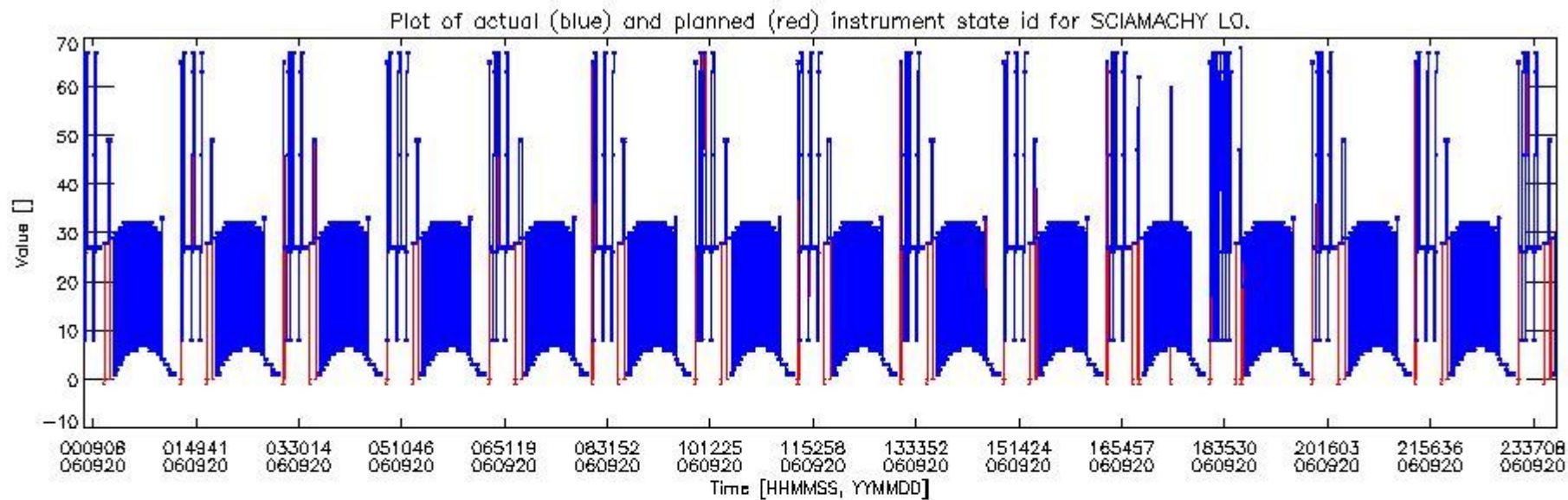


0.3 State monitoring

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: **14534**

#	Actual time	Actual value	Planned time	Planned value
0	20SEP2006 00:00:16.827750	8	20SEP2006 00:00:16.827750	67
1	20SEP2006 00:00:17.952749	8	20SEP2006 00:00:17.952749	67
2	20SEP2006 00:00:18.952744	8	20SEP2006 00:00:18.952744	67
3	20SEP2006 00:00:19.952738	8	20SEP2006 00:00:19.952738	67
4	20SEP2006 00:01:00.386315	26	20SEP2006 00:01:00.386315	8
5	20SEP2006 00:01:01.011337	26	20SEP2006 00:01:01.011337	8
6	20SEP2006 00:01:01.511314	26	20SEP2006 00:01:01.511314	8
7	20SEP2006 00:01:02.011331	26	20SEP2006 00:01:02.011331	8
8	20SEP2006 00:01:02.511308	26	20SEP2006 00:01:02.511308	8
9	20SEP2006 00:01:03.011326	26	20SEP2006 00:01:03.011326	8
10	20SEP2006 00:01:03.511343	26	20SEP2006 00:01:03.511343	8
11	20SEP2006 00:01:04.011320	26	20SEP2006 00:01:04.011320	8
12	20SEP2006 00:01:33.944934	46	20SEP2006 00:01:33.944934	26
13	20SEP2006 00:01:34.569916	46	20SEP2006 00:01:34.569916	26
14	20SEP2006 00:01:35.069933	46	20SEP2006 00:01:35.069933	26
15	20SEP2006 00:01:35.569910	46	20SEP2006 00:01:35.569910	26
16	20SEP2006 00:01:36.069928	46	20SEP2006 00:01:36.069928	26
17	20SEP2006 00:01:36.569905	46	20SEP2006 00:01:36.569905	26
18	20SEP2006 00:01:37.069922	46	20SEP2006 00:01:37.069922	26
19	20SEP2006 00:01:37.569899	46	20SEP2006 00:01:37.569899	26

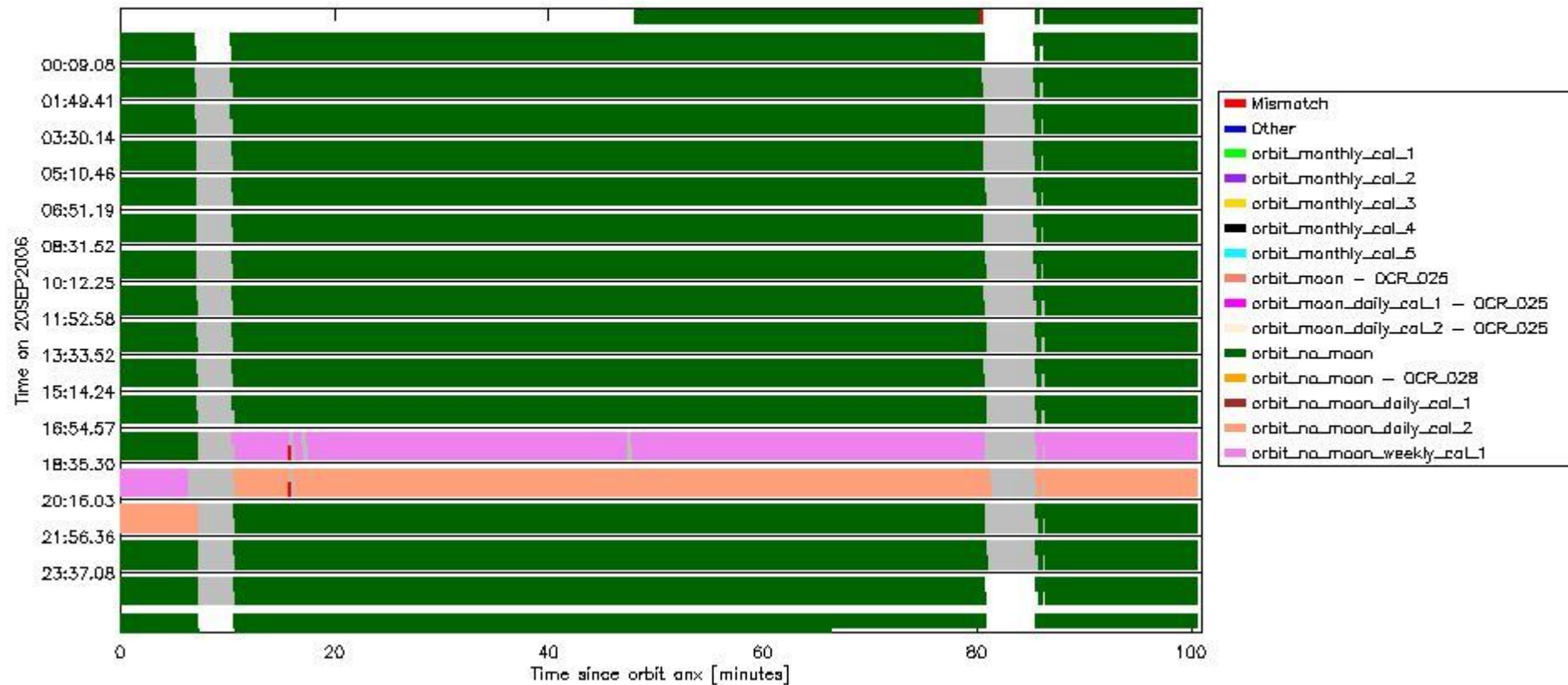


sciamachy_daily_report_level0_PFHS_5_37_N_20060920_5.PNG

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 20SEP2006.
 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_20060920_6.PNG

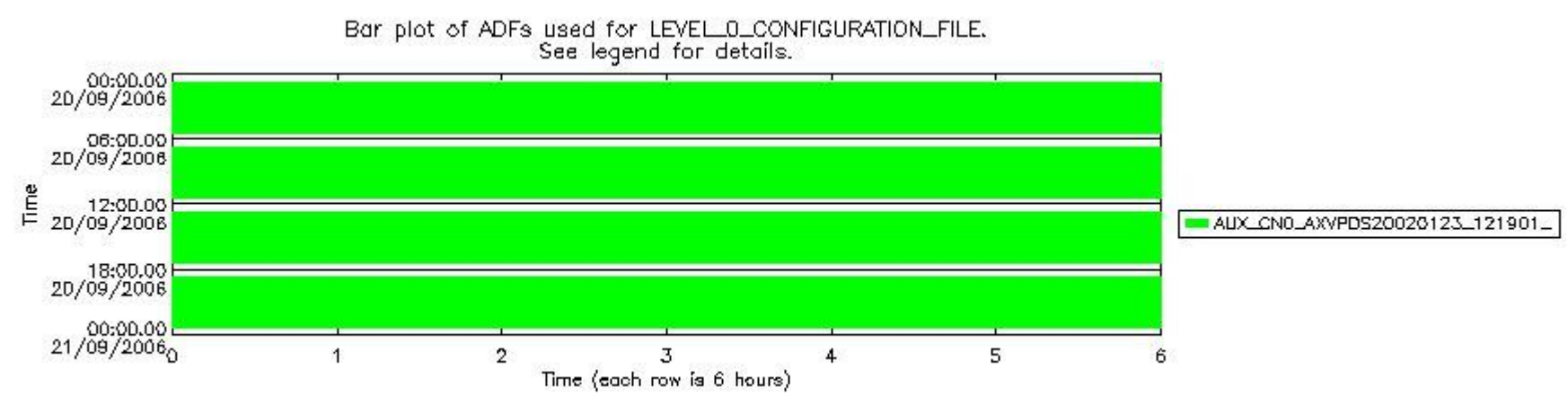
0.4 ADF monitoring

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

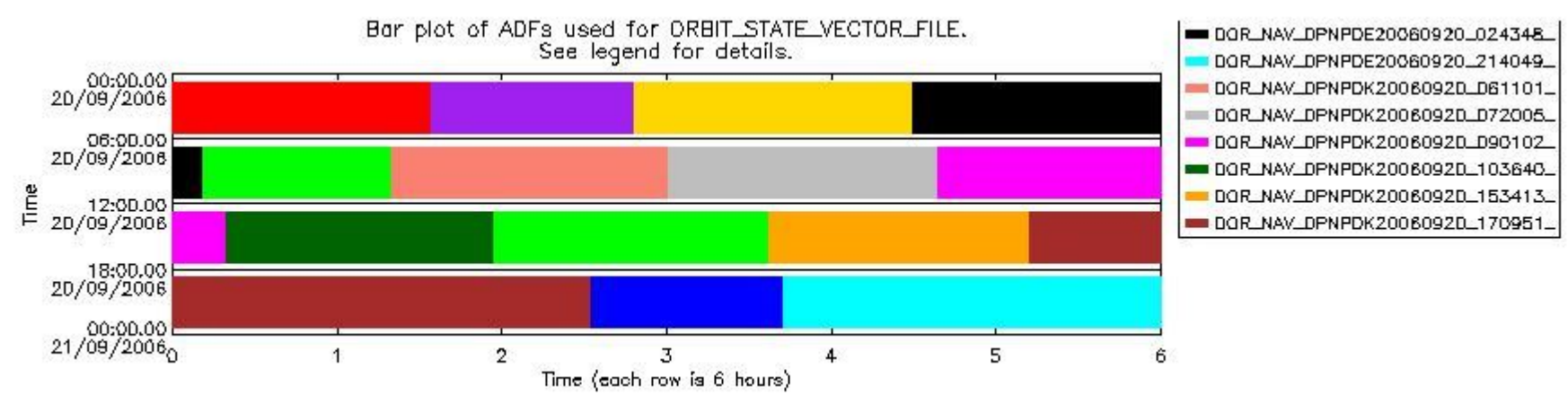
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

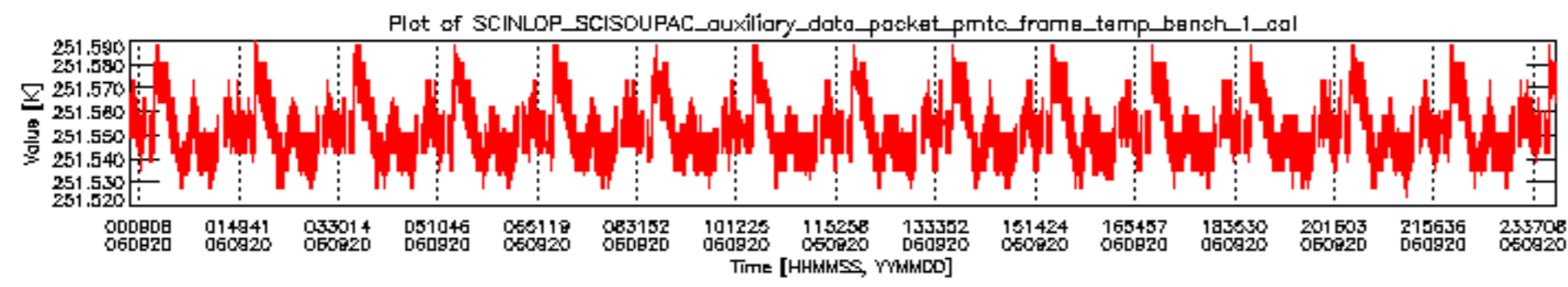
Number	ADF
	CNO (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20060920_002637_20060919_190708_20060929_203324
2	AUX_FPO_AXVPDS20060920_002712_20060919_190708_20060929_203324
3	DOR_NAV_OPNPDE20060919_221250_000057382051_00215_23816_0593.N1
4	DOR_NAV_OPNPDE20060919_235347_000054192051_00216_23817_0594.N1
5	DOR_NAV_OPNPDE20060920_012925_000041442051_00217_23818_0595.N1
6	DOR_NAV_OPNPDE20060920_024348_000060572051_00218_23819_0596.N1
7	DOR_NAV_OPNPDE20060920_214049_000057382051_00229_23830_0599.N1
8	DOR_NAV_OPNPDK20060920_061101_000035062051_00220_23821_0789.N1
9	DOR_NAV_OPNPDK20060920_072005_000057382051_00221_23822_0790.N1
10	DOR_NAV_OPNPDK20060920_090102_000054192051_00222_23823_0797.N1
11	DOR_NAV_OPNPDK20060920_103640_000057382051_00223_23824_0798.N1
12	DOR_NAV_OPNPDK20060920_153413_000054192051_00226_23827_0801.N1
13	DOR_NAV_OPNPDK20060920_170951_000057382051_00227_23828_0802.N1

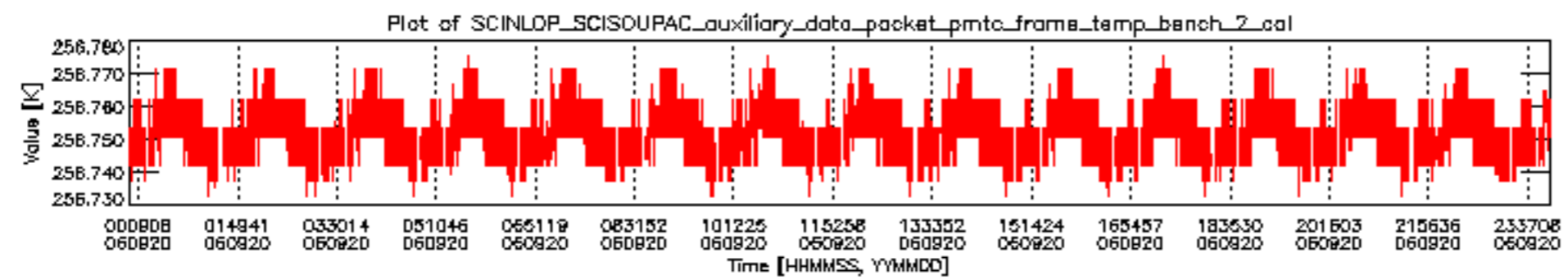


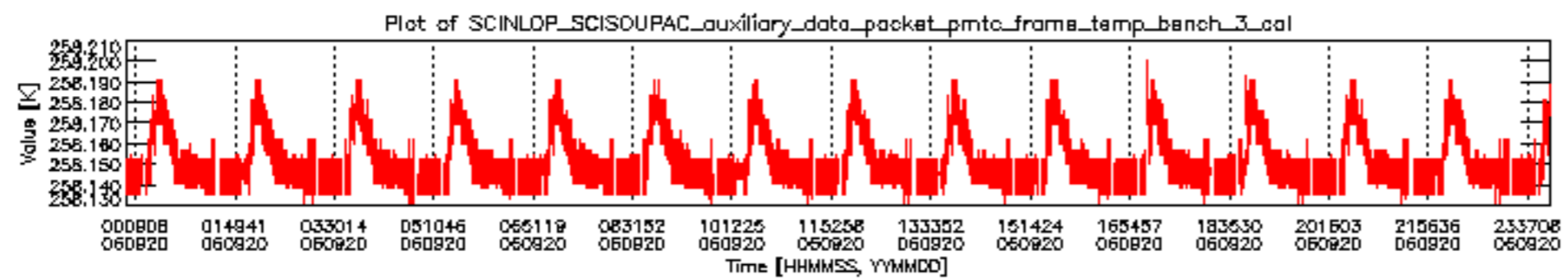
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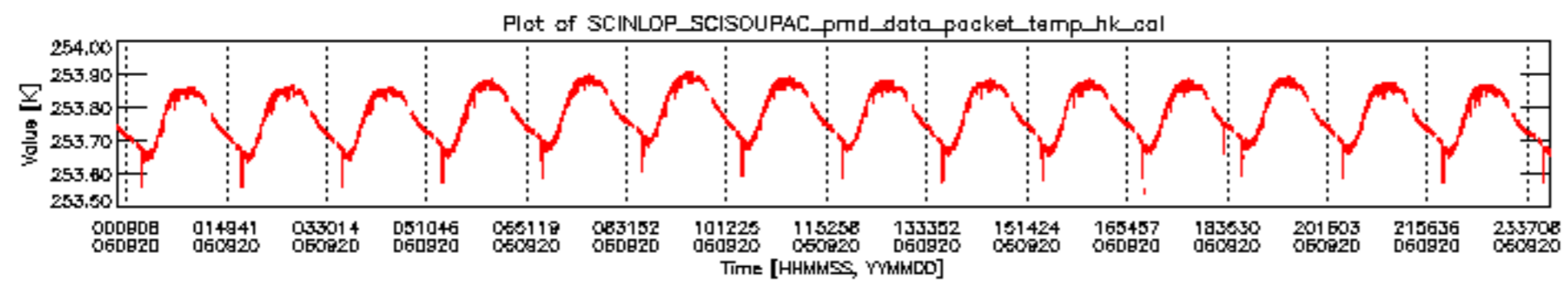


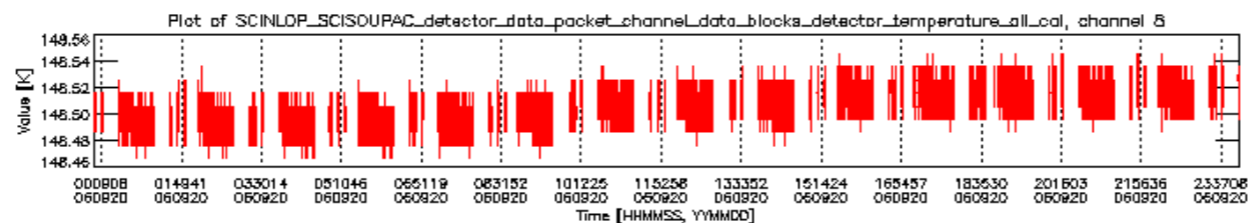
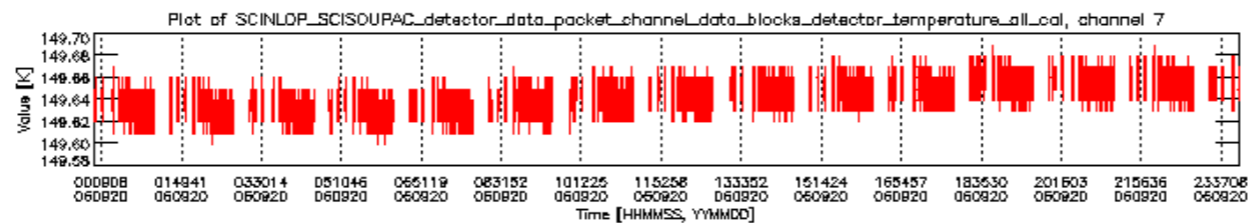
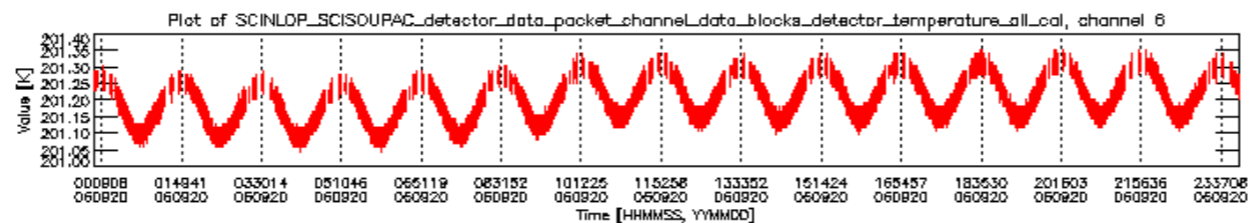
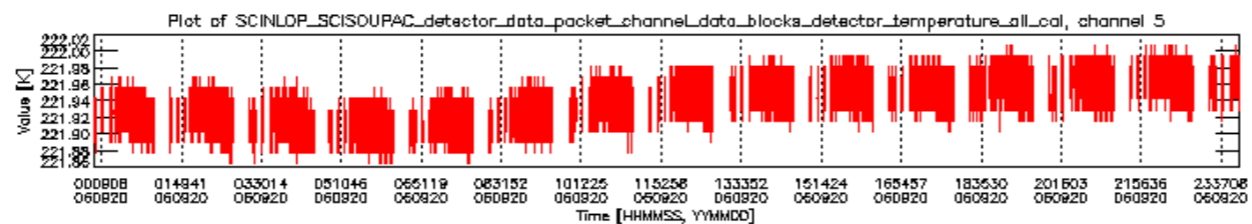
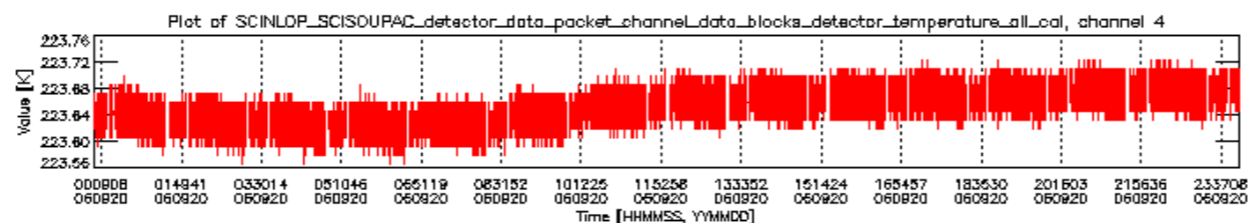
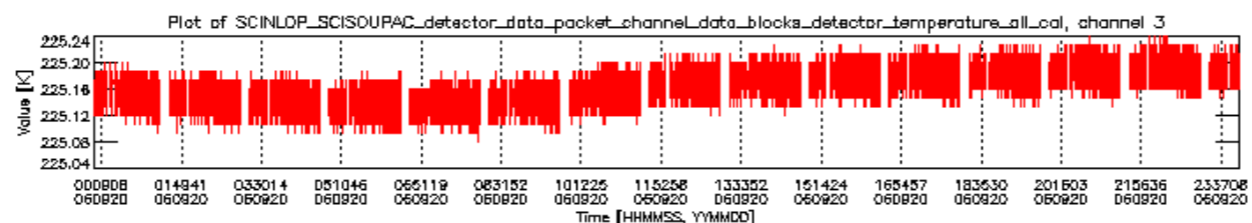
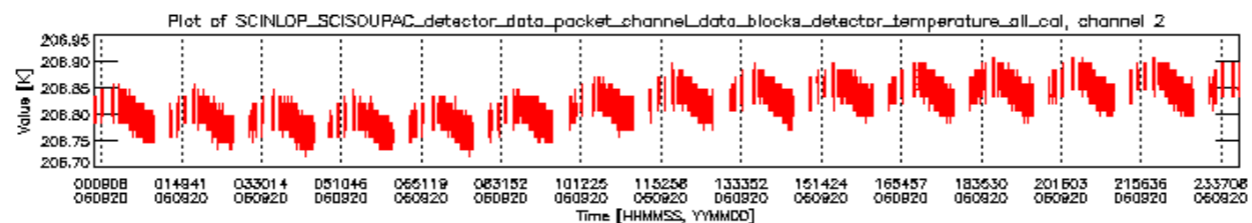
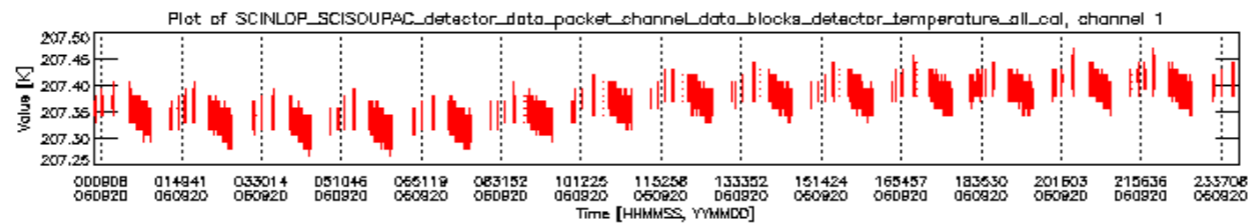
sciamachy_daily_report_level0_PFHS_5_37_N_20060920_8.PNG











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