

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	27AUG2006 05:14:21
Data source version	PFHS/5.37-N
Processing scope for products	23AUG2006 00:00:00 to 24AUG2006 00:00:00
Start time of first product within scope	22AUG2006 23:36:50
Stop time of last product within scope	24AUG2006 00:46:40
Total number of level 0 products	16
Number of level 0 products with errors	16

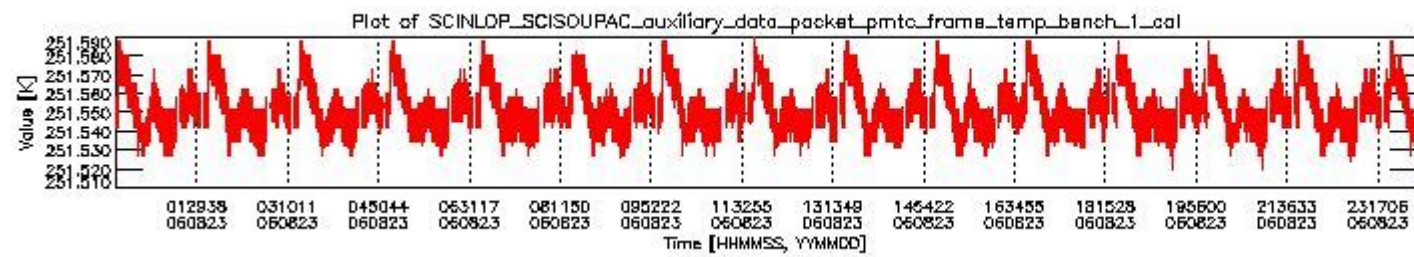
0.1.2 Summary per product

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

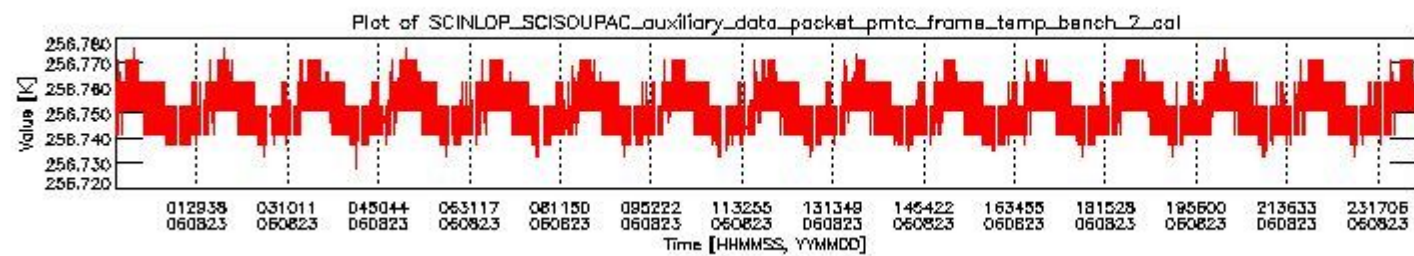
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060822_233650_000059482050_00316_23416_0411.N1	22AUG2006 23:36:50	23AUG2006 01:15:58	1	0	1	0	0
1	SCI_NL__OPNPDE20060823_011514_000043752050_00317_23417_0412.N1	23AUG2006 01:15:14	23AUG2006 02:28:10	1	0	1	0	0
2	SCI_NL__OPNPDE20060823_022810_000061482050_00318_23418_0413.N1	23AUG2006 02:28:10	23AUG2006 04:10:38	1	0	1	0	0
3	SCI_NL__OPNPDE20060823_041038_000061052050_00319_23419_0414.N1	23AUG2006 04:10:38	23AUG2006 05:52:23	1	0	1	0	0
4	SCI_NL__OPNPDE20060823_055128_000061482050_00320_23420_0416.N1	23AUG2006 05:51:28	23AUG2006 07:33:56	1	0	1	0	0
5	SCI_NL__OPNPDK20060823_073356_000039332050_00321_23421_0505.N1	23AUG2006 07:33:56	23AUG2006 08:39:29	1	0	1	0	0
6	SCI_NL__OPNPDK20060823_083821_000061602050_00322_23422_0506.N1	23AUG2006 08:38:21	23AUG2006 10:21:02	1	0	1	0	0
7	SCI_NL__OPNPDK20060823_101953_000059802050_00323_23423_0507.N1	23AUG2006 10:19:53	23AUG2006 11:59:33	1	0	1	0	0
8	SCI_NL__OPNPDK20060823_115933_000059672050_00324_23424_0508.N1	23AUG2006 11:59:33	23AUG2006 13:39:01	1	0	1	0	0
9	SCI_NL__OPNPDK20060823_133901_000059242050_00325_23425_0509.N1	23AUG2006 13:39:01	23AUG2006 15:17:46	1	0	1	0	0
10	SCI_NL__OPNPDK20060823_151637_000059112050_00326_23426_0510.N1	23AUG2006 15:16:37	23AUG2006 16:55:09	1	0	1	0	0
11	SCI_NL__OPNPDK20060823_165401_000059062050_00327_23427_0511.N1	23AUG2006 16:54:01	23AUG2006 18:32:27	1	0	1	0	0
12	SCI_NL__OPNPDK20060823_183227_000058932050_00328_23428_0512.N1	23AUG2006 18:32:27	23AUG2006 20:10:41	1	0	1	0	0
13	SCI_NL__OPNPDE20060823_200945_000044542050_00329_23429_0417.N1	23AUG2006 20:09:45	23AUG2006 21:23:59	1	0	1	0	0
14	SCI_NL__OPNPDE20060823_212315_000061672050_00329_23429_0418.N1	23AUG2006 21:23:15	23AUG2006 23:06:03	1	0	1	0	0
15	SCI_NL__OPNPDE20060823_230520_000060802050_00330_23430_0419.N1	23AUG2006 23:05:20	24AUG2006 00:46:40	1	0	1	0	0

0.2 Product Quality Indicators

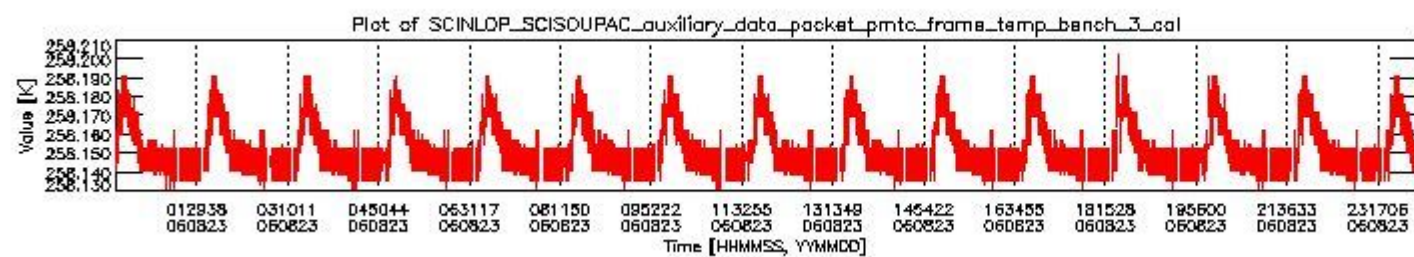
This section shows information about product quality, currently temperatures.



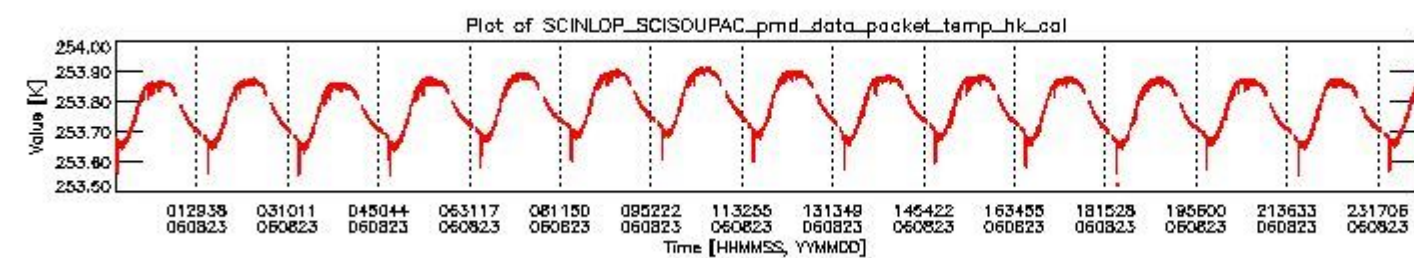
sciamachy_daily_report_level0_PFH5_5_37_N_20060823_0.PNG



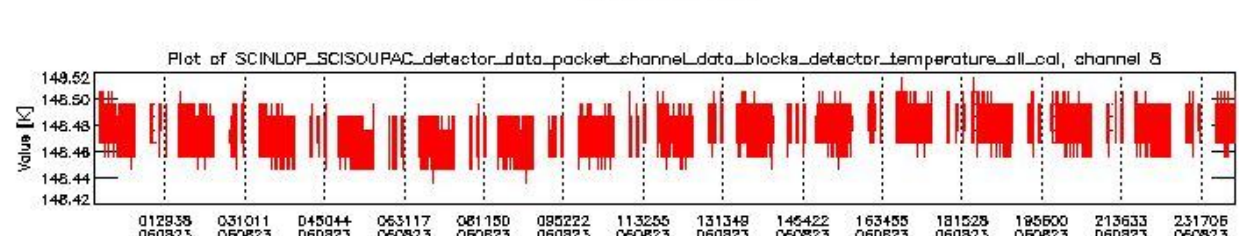
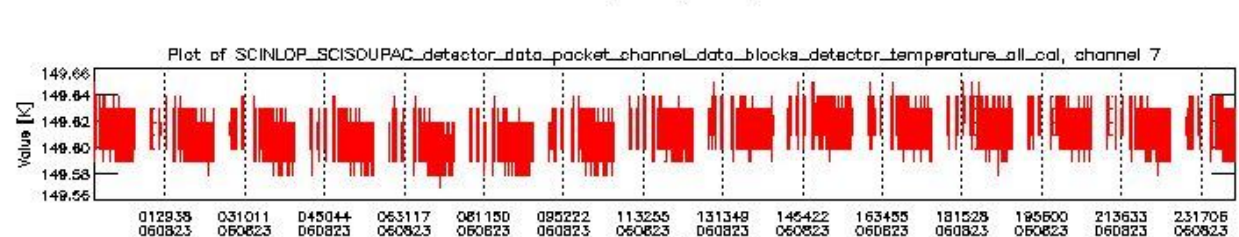
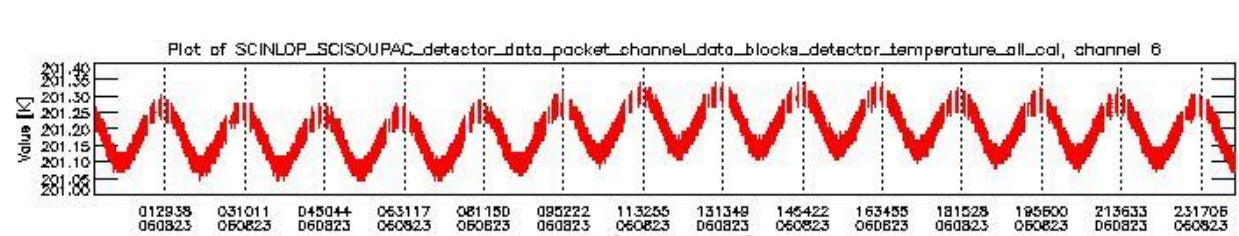
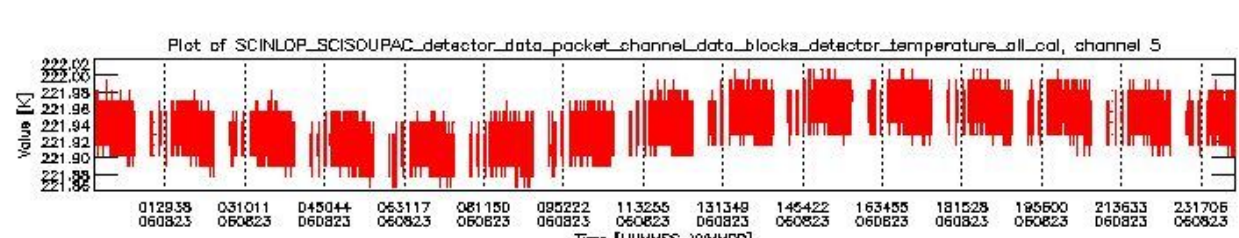
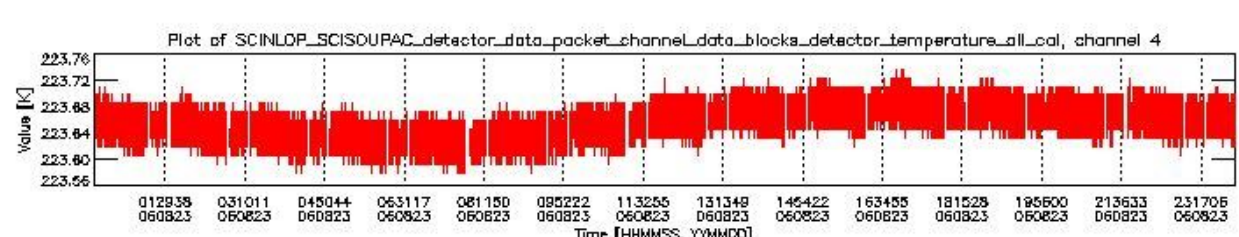
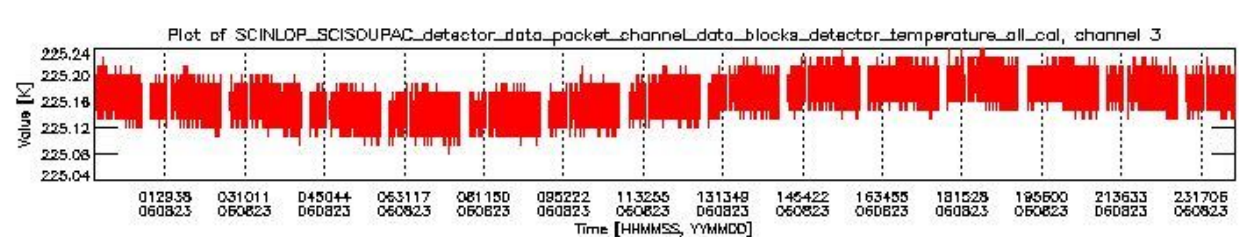
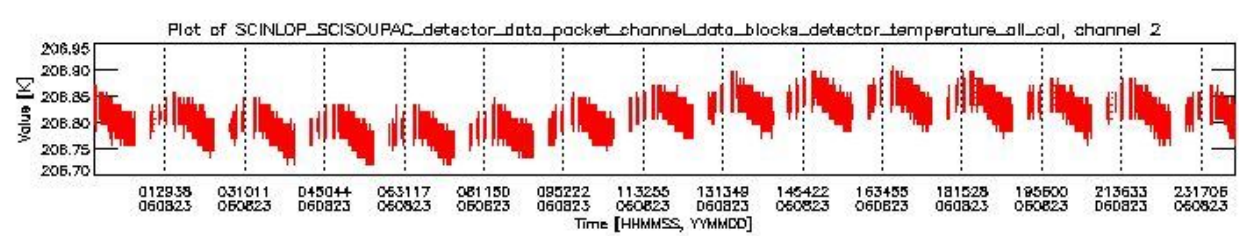
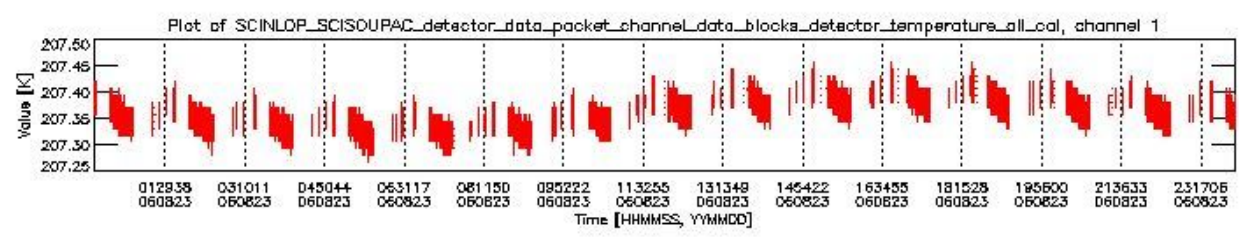
sciamachy_daily_report_level0_PFH5_5_37_N_20060823_1.PNG



sciamachy_daily_report_level0_PFH5_5_37_N_20060823_2.PNG



sciamachy_daily_report_level0_PFH5_5_37_N_20060823_3.PNG

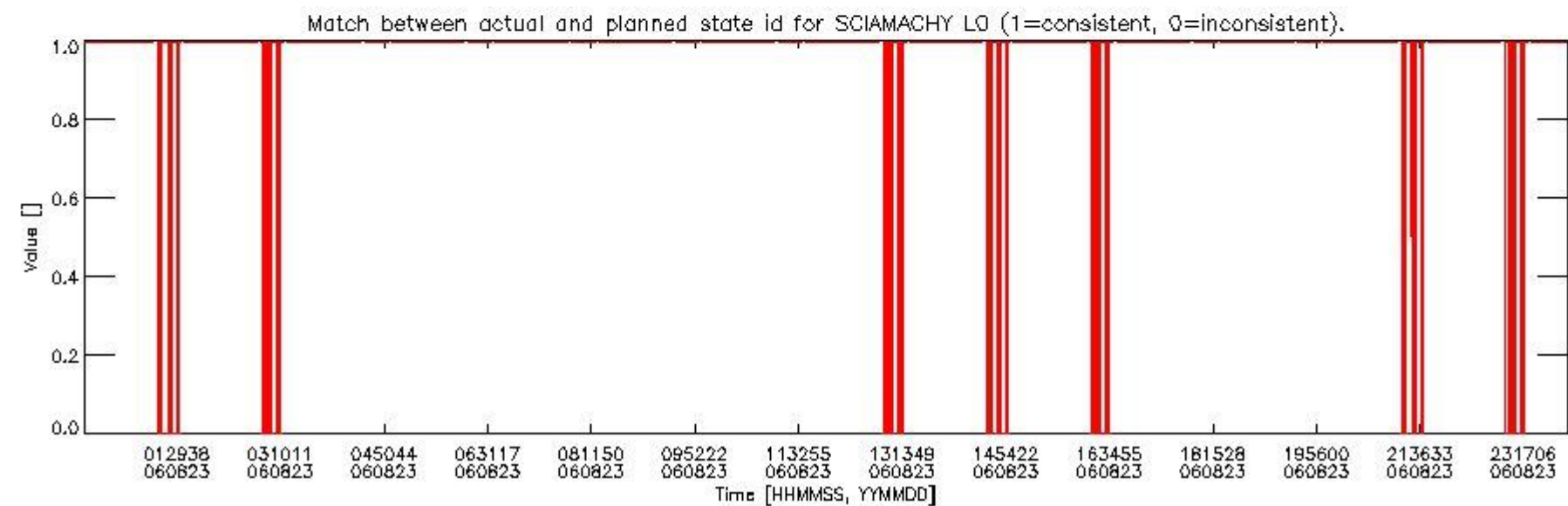
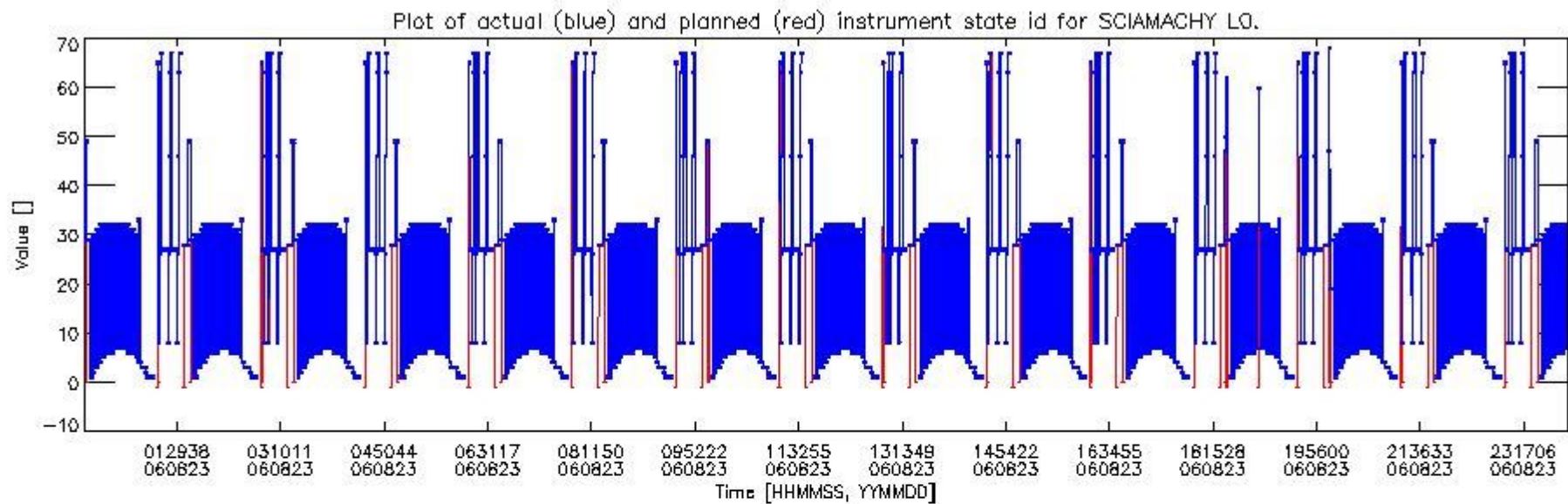


0.3 State monitoring

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: **129**

#	Actual time	Actual value	Planned time	Planned value
0	23AUG2006 01:11:46.991927	8	23AUG2006 01:11:46.991927	0
1	23AUG2006 01:12:30.546589	26	23AUG2006 01:12:30.546589	8
2	23AUG2006 01:13:04.105209	46	23AUG2006 01:13:04.105209	26
3	23AUG2006 01:13:17.667678	63	23AUG2006 01:13:17.667678	46
4	23AUG2006 01:13:51.222394	67	23AUG2006 01:13:51.222394	63
5	23AUG2006 01:15:14.784886	27	23AUG2006 01:15:14.784886	67
6	23AUG2006 01:21:07.257527	8	23AUG2006 01:21:07.257527	27
7	23AUG2006 01:21:50.812189	26	23AUG2006 01:21:50.812189	8
8	23AUG2006 01:22:24.374710	46	23AUG2006 01:22:24.374710	26
9	23AUG2006 01:22:37.929374	63	23AUG2006 01:22:37.929374	46
10	23AUG2006 01:23:11.487993	67	23AUG2006 01:23:11.487993	63
11	23AUG2006 01:24:35.050485	27	23AUG2006 01:24:35.050485	67
12	23AUG2006 01:29:43.464503	8	23AUG2006 01:29:43.464503	27
13	23AUG2006 01:30:27.019206	26	23AUG2006 01:30:27.019206	8
14	23AUG2006 01:31:00.581687	46	23AUG2006 01:31:00.581687	26
15	23AUG2006 01:31:14.140294	63	23AUG2006 01:31:14.140294	46
16	23AUG2006 01:31:47.698873	67	23AUG2006 01:31:47.698873	63
17	23AUG2006 02:52:23.413460	27	23AUG2006 02:52:23.413460	0
18	23AUG2006 02:54:35.589247	8	23AUG2006 02:54:35.589247	27
19	23AUG2006 02:55:19.147852	26	23AUG2006 02:55:19.147852	8
...

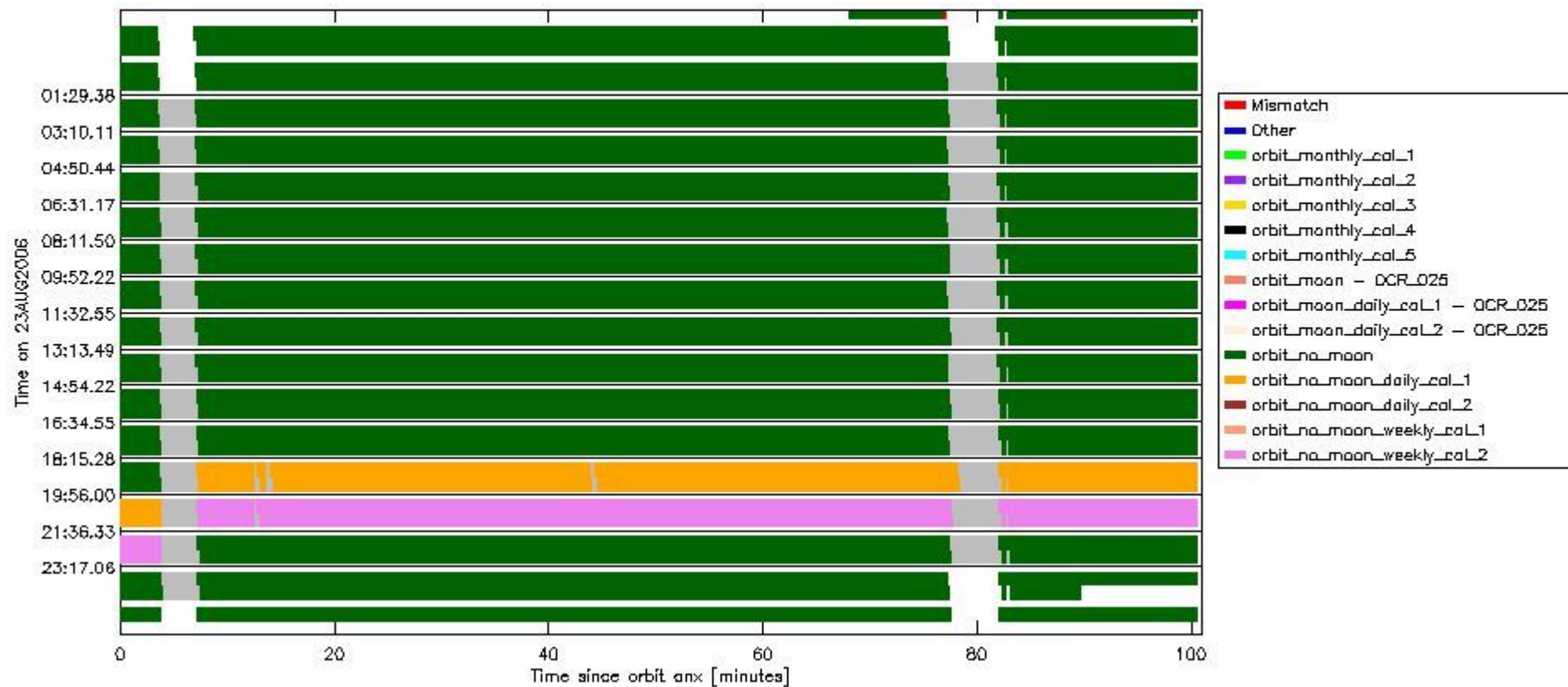


sciamachy_daily_report_level0_PFHS_5_37_N_20060823_5.PNG

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 23AUG2006.
 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_PFHS_5_37_N_20060823_6.PNG

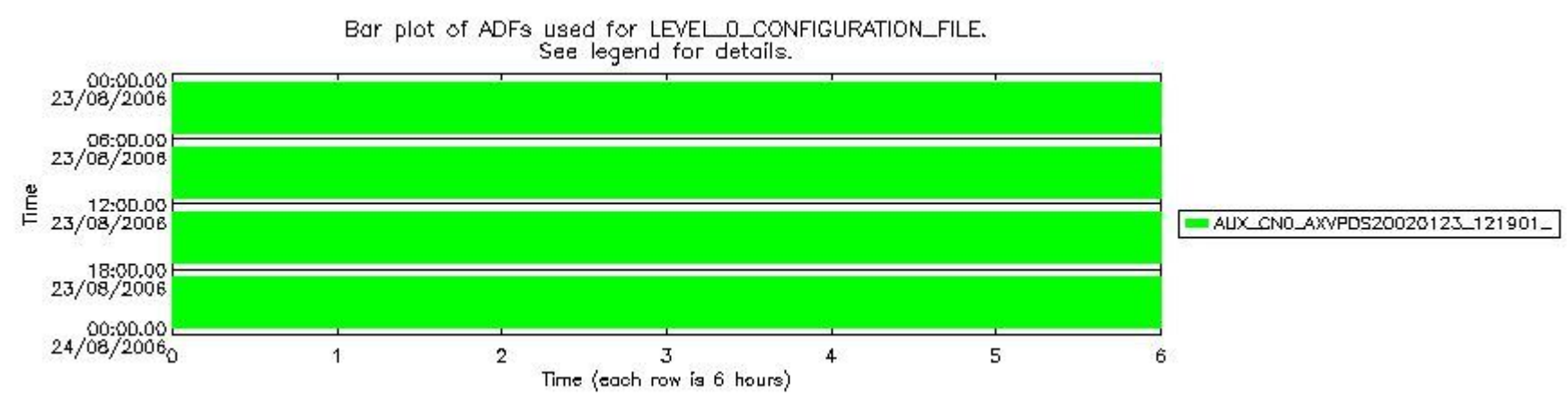
0.4 ADF monitoring

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

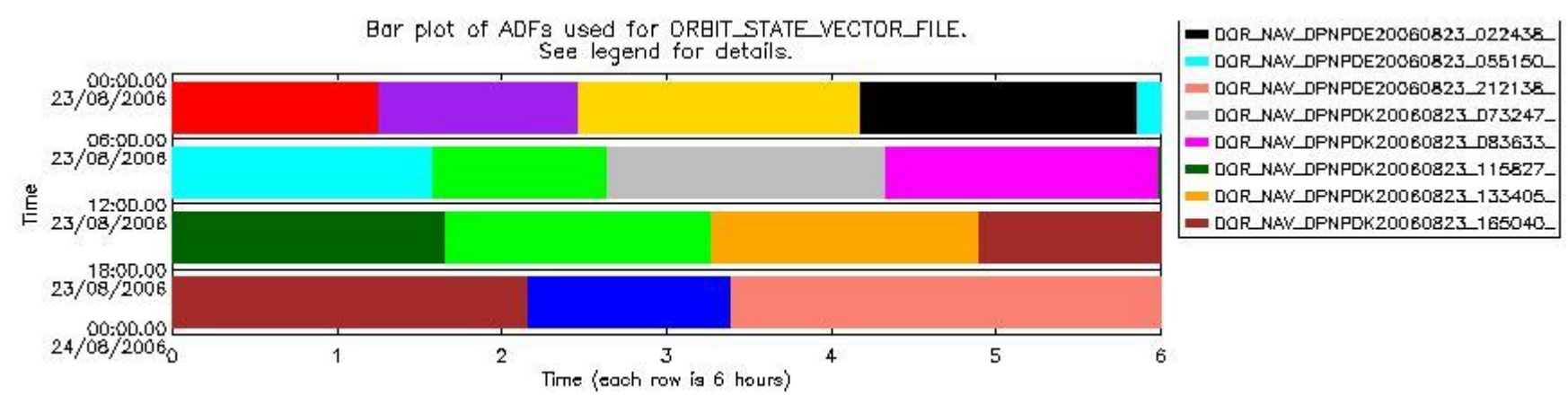
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

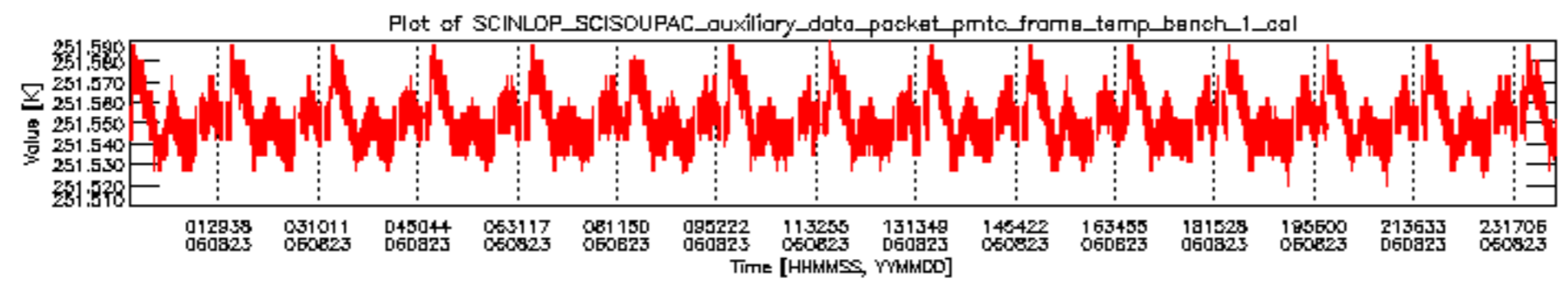
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20060822_233809_20060822_184705_20060901_201316
2	AUX_FPO_AXVPDS20060822_233840_20060822_184705_20060901_201316
3	DOR_NAV_OPNPDE20060822_215339_000057382050_00315_23415_0403.N1
4	DOR_NAV_OPNPDE20060822_233436_000057382050_00316_23416_0404.N1
5	DOR_NAV_OPNPDE20060823_011014_000041442050_00317_23417_0405.N1
6	DOR_NAV_OPNPDE20060823_022438_000057382050_00318_23418_0406.N1
7	DOR_NAV_OPNPDE20060823_055150_000057382050_00320_23420_0408.N1
8	DOR_NAV_OPNPDE20060823_212138_000057382050_00329_23429_0410.N1
9	DOR_NAV_OPNPDK20060823_073247_000035062050_00321_23421_0509.N1
10	DOR_NAV_OPNPDK20060823_083633_000057382050_00322_23422_0510.N1
11	DOR_NAV_OPNPDK20060823_115827_000054192050_00324_23424_0512.N1
12	DOR_NAV_OPNPDK20060823_133405_000057382050_00325_23425_0513.N1
13	DOR_NAV_OPNPDK20060823_165040_000057382050_00327_23427_0515.N1

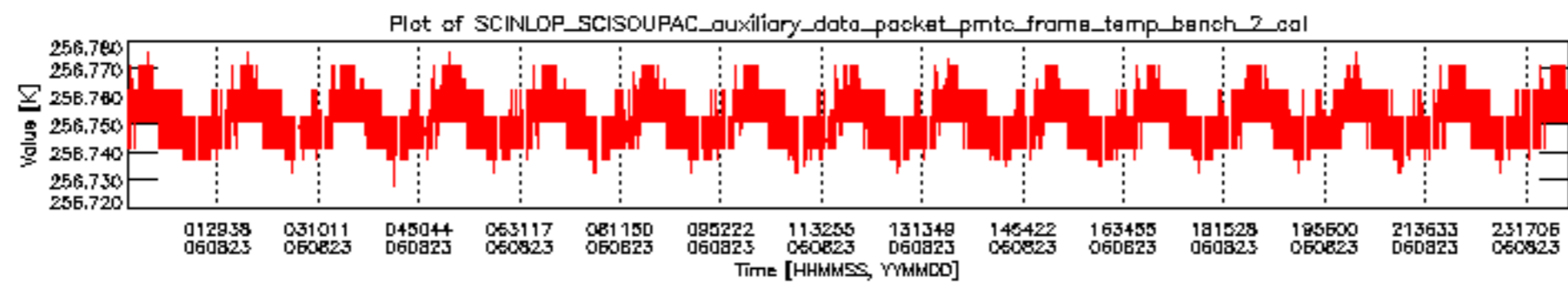


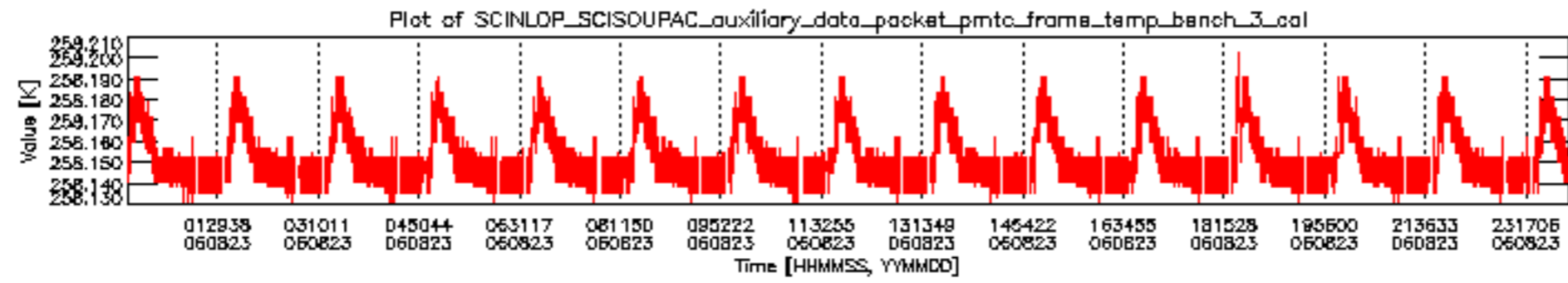
sciamachy_daily_report_level0_PFHS_5_37_N_20060823_7.PNG

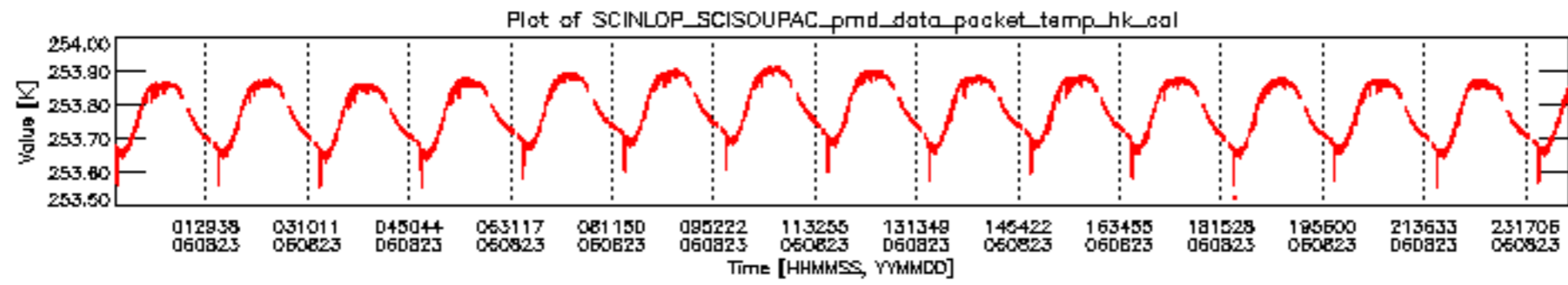


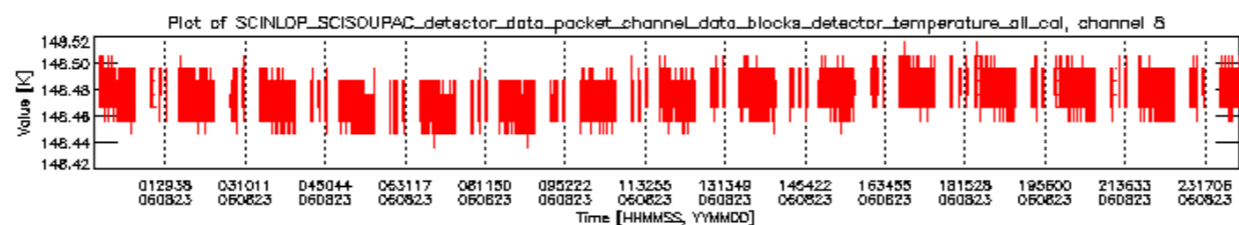
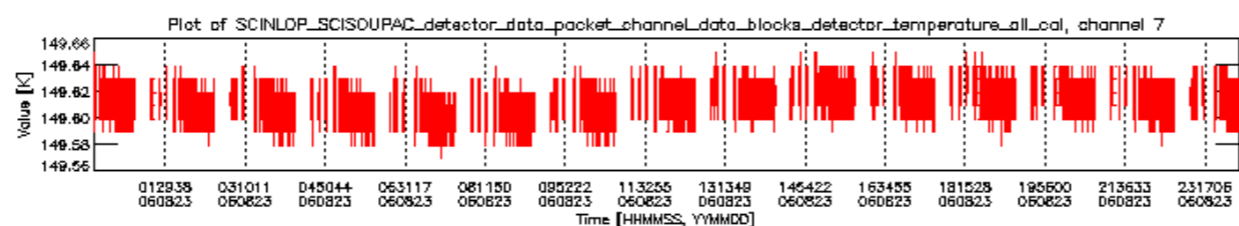
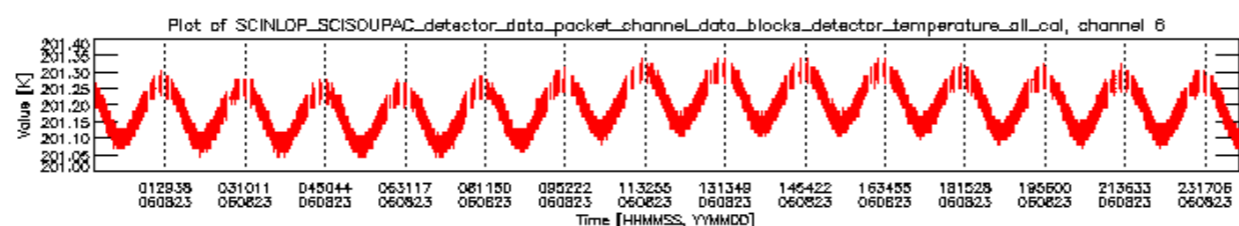
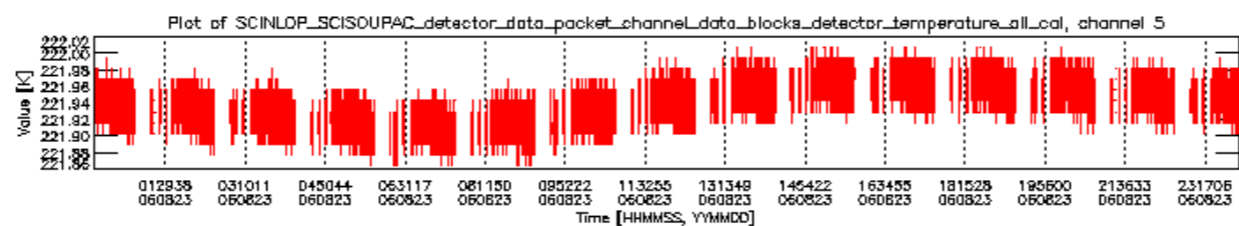
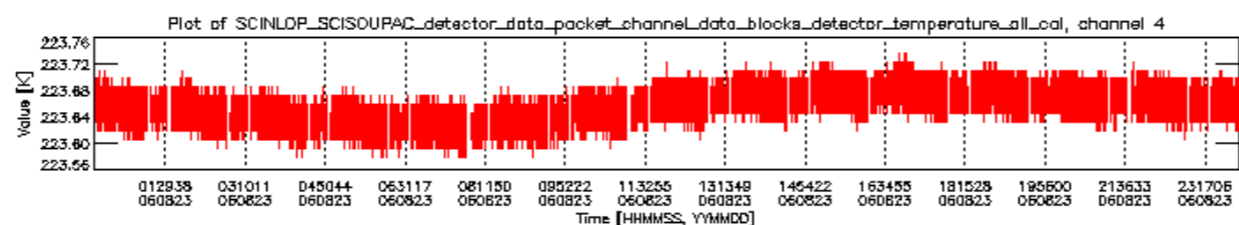
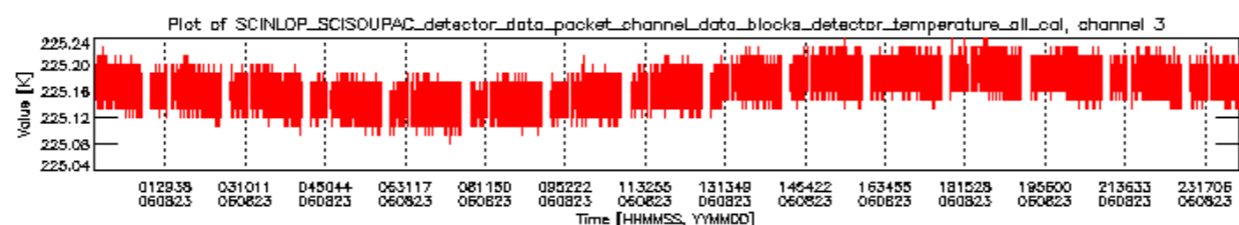
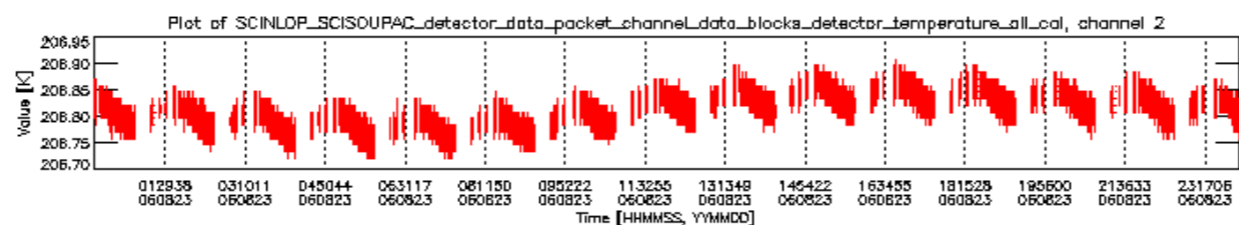
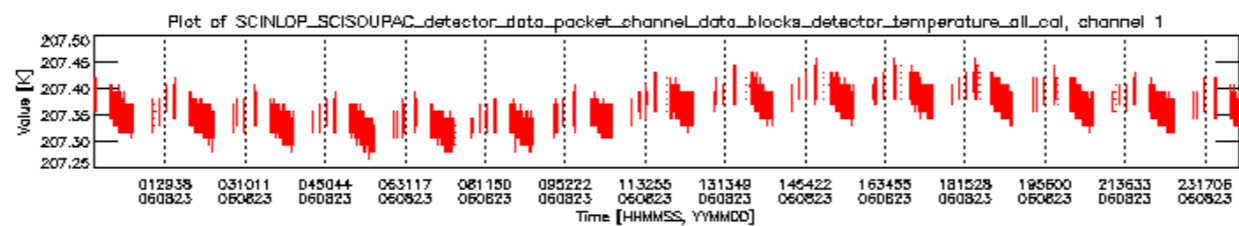
sciamachy_daily_report_level0_PFHS_5_37_N_20060823_8.PNG

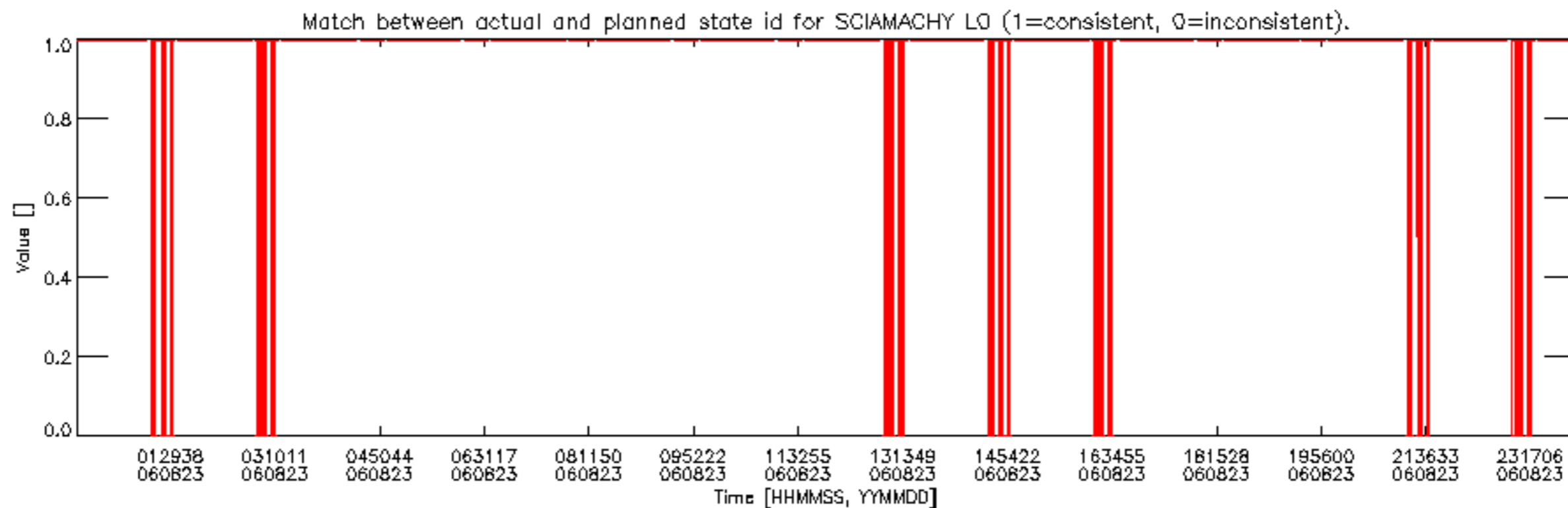
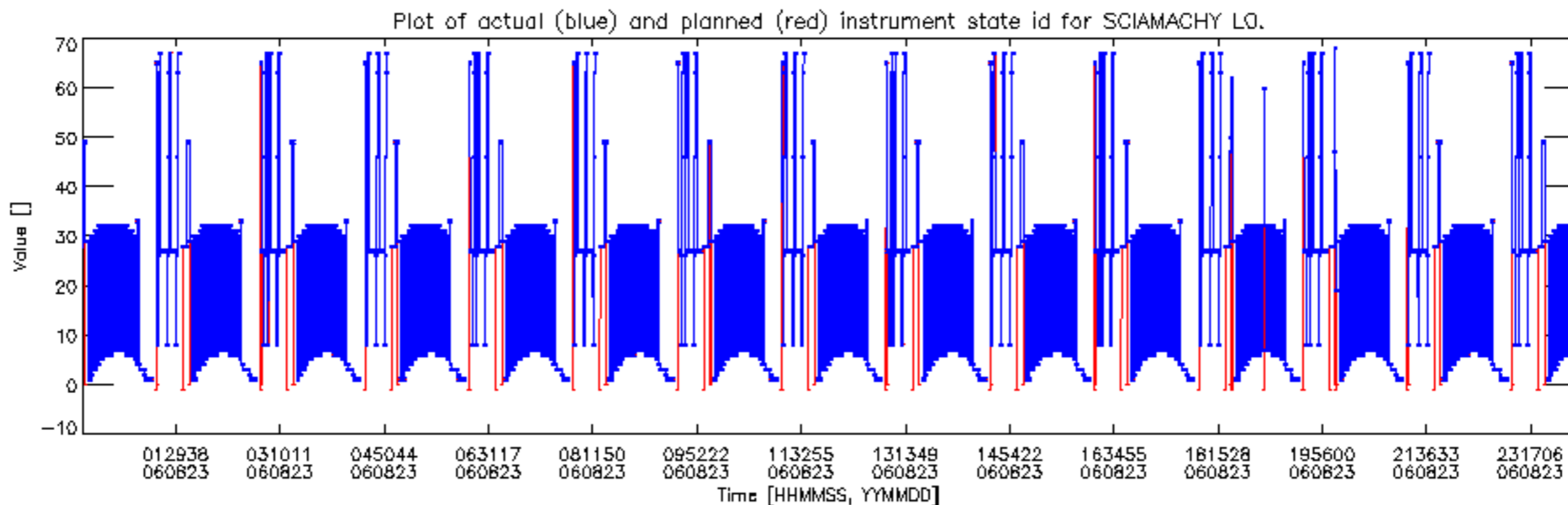












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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