

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	28AUG2006 15:01:20
Data source version	PFHS/5.37-N
Processing scope for products	24AUG2006 00:00:00 to 25AUG2006 00:00:00
Start time of first product within scope	23AUG2006 23:05:20
Stop time of last product within scope	25AUG2006 00:14:25
Total number of level 0 products	16
Number of level 0 products with errors	16

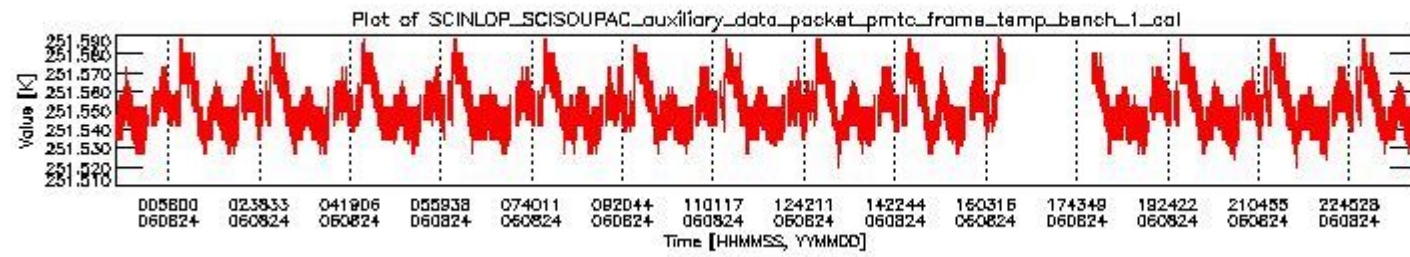
0.1.2 Summary per product

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

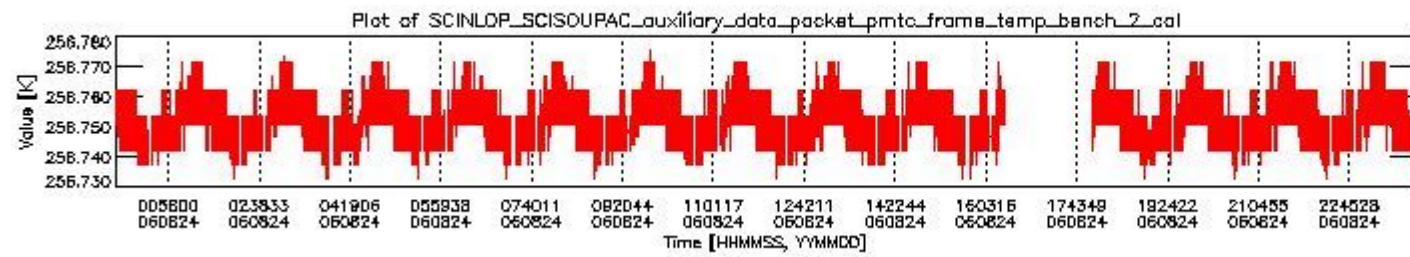
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060823_230520_000060802050_00330_23430_0419.N1	23AUG2006 23:05:20	24AUG2006 00:46:40	1	0	1	0	0
1	SCI_NL__OPNPDE20060824_004512_000058722050_00331_23431_0420.N1	24AUG2006 00:45:12	24AUG2006 02:23:05	1	0	1	0	0
2	SCI_NL__OPNPDE20060824_022220_000045512050_00332_23432_0421.N1	24AUG2006 02:22:20	24AUG2006 03:38:11	1	0	1	0	0
3	SCI_NL__OPNPDE20060824_033703_000061732050_00333_23433_0422.N1	24AUG2006 03:37:03	24AUG2006 05:19:56	1	0	1	0	0
4	SCI_NL__OPNPDE20060824_051848_000060922050_00334_23434_0424.N1	24AUG2006 05:18:48	24AUG2006 07:00:20	1	0	1	0	0
5	SCI_NL__OPNPDK20060824_065924_000041142050_00335_23435_0513.N1	24AUG2006 06:59:24	24AUG2006 08:07:58	1	0	1	0	0
6	SCI_NL__OPNPDK20060824_080758_000060922050_00336_23436_0523.N1	24AUG2006 08:07:58	24AUG2006 09:49:31	1	0	1	0	0
7	SCI_NL__OPNPDK20060824_094931_000060362050_00337_23437_0521.N1	24AUG2006 09:49:31	24AUG2006 11:30:07	1	0	1	0	0
8	SCI_NL__OPNPDK20060824_112911_000059672050_00338_23438_0522.N1	24AUG2006 11:29:11	24AUG2006 13:08:39	1	0	1	0	0
9	SCI_NL__OPNPDK20060824_130730_000059802050_00339_23439_0524.N1	24AUG2006 13:07:30	24AUG2006 14:47:11	1	0	1	0	0
10	SCI_NL__OPNPDK20060824_144711_000057192050_00340_23440_0525.N1	24AUG2006 14:47:11	24AUG2006 16:22:30	1	0	1	0	0
11	SCI_NL__OPNPDK20060824_162134_000060302050_00341_23441_0519.N1	24AUG2006 16:21:34	24AUG2006 18:02:05	1	0	1	0	0
12	SCI_NL__OPNPDK20060824_180056_000060052050_00342_23442_0520.N1	24AUG2006 18:00:56	24AUG2006 19:41:01	1	0	1	0	0
13	SCI_NL__OPNPDE20060824_194006_000040902050_00343_23443_0425.N1	24AUG2006 19:40:06	24AUG2006 20:48:16	1	0	1	0	0
14	SCI_NL__OPNPDE20060824_204733_000064192050_00343_23443_0426.N1	24AUG2006 20:47:33	24AUG2006 22:34:33	1	0	1	0	0
15	SCI_NL__OPNPDE20060824_223226_000061192050_00344_23444_0427.N1	24AUG2006 22:32:26	25AUG2006 00:14:25	1	0	1	0	0

0.2 Product Quality Indicators

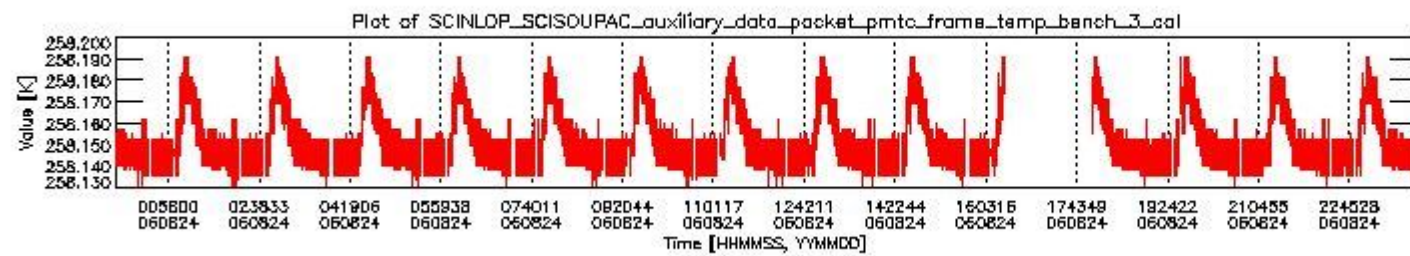
This section shows information about product quality, currently temperatures.



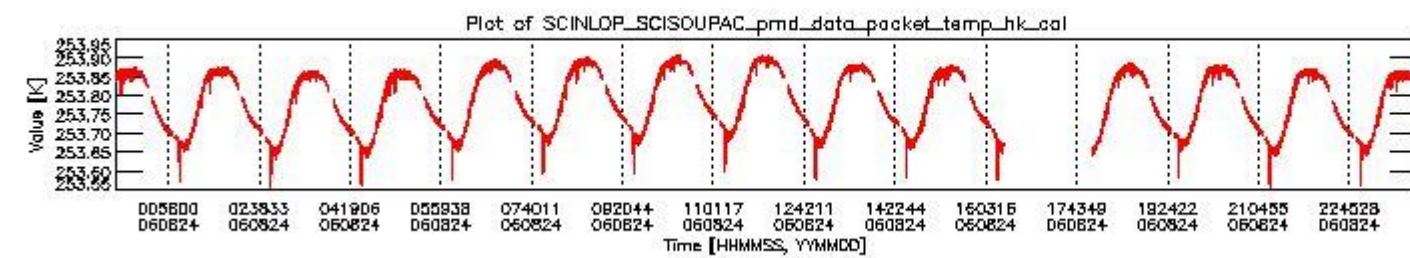
sciamachy_daily_report_level0_PFHS_5_37_N_20060824_0.PNG



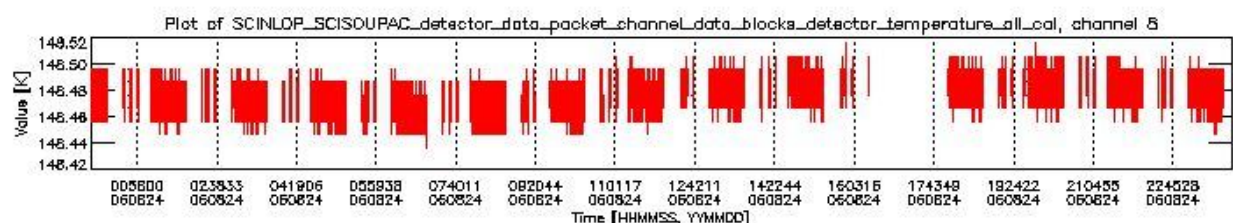
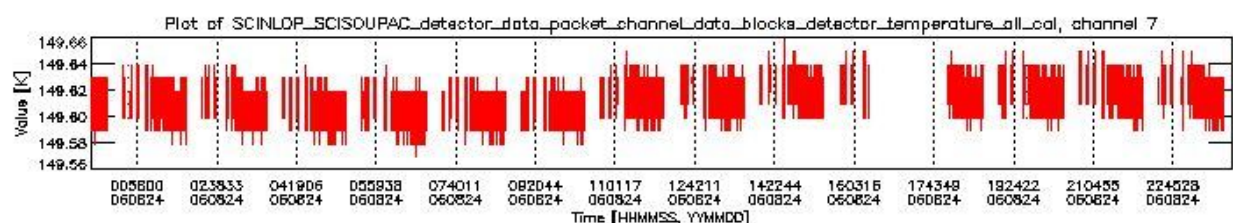
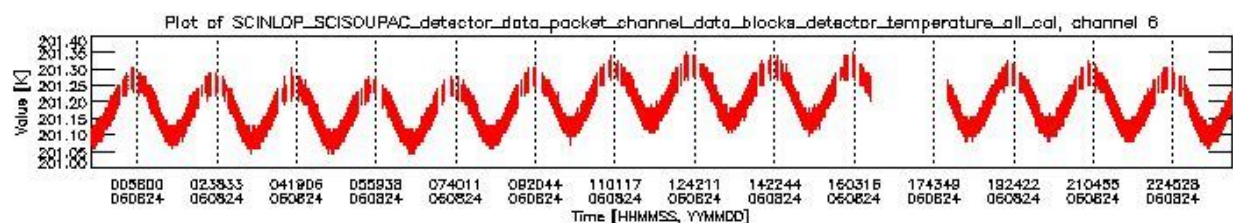
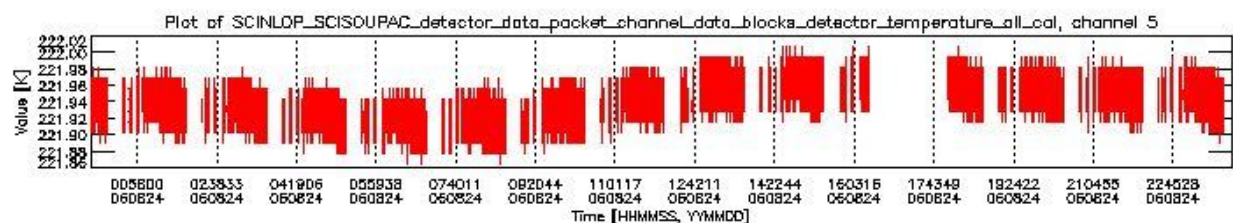
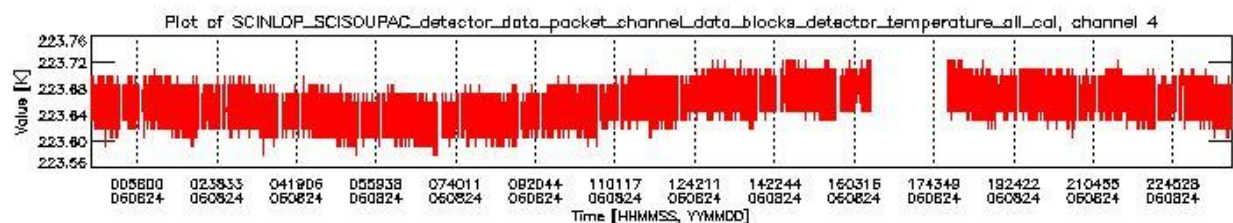
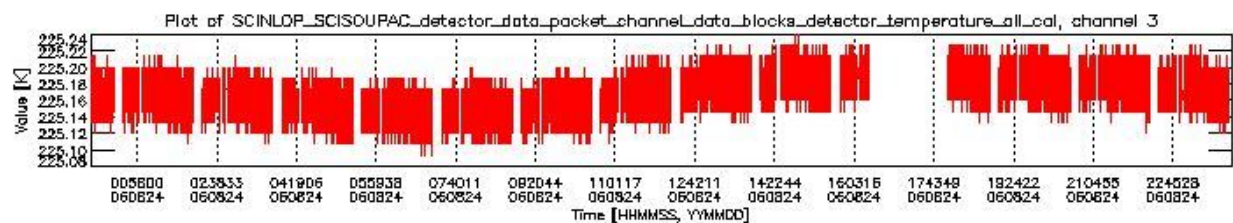
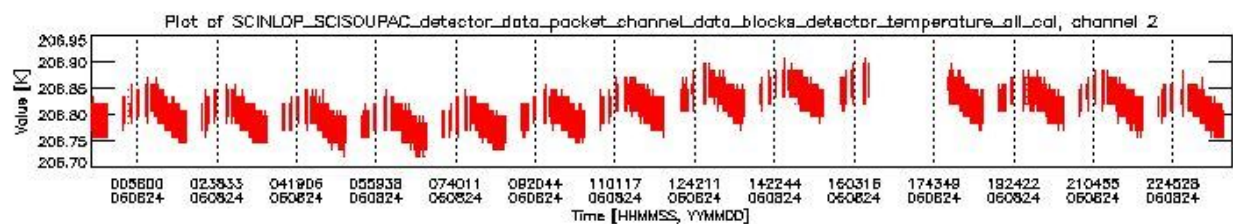
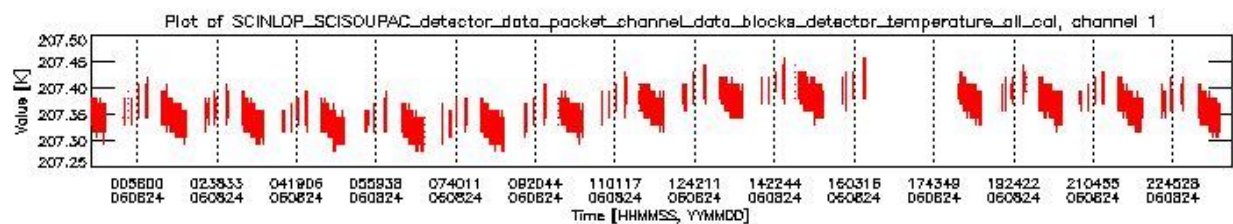
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sciamachy_daily_report_level0_PFHS_5_37_N_20060824_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060824_3.PNG

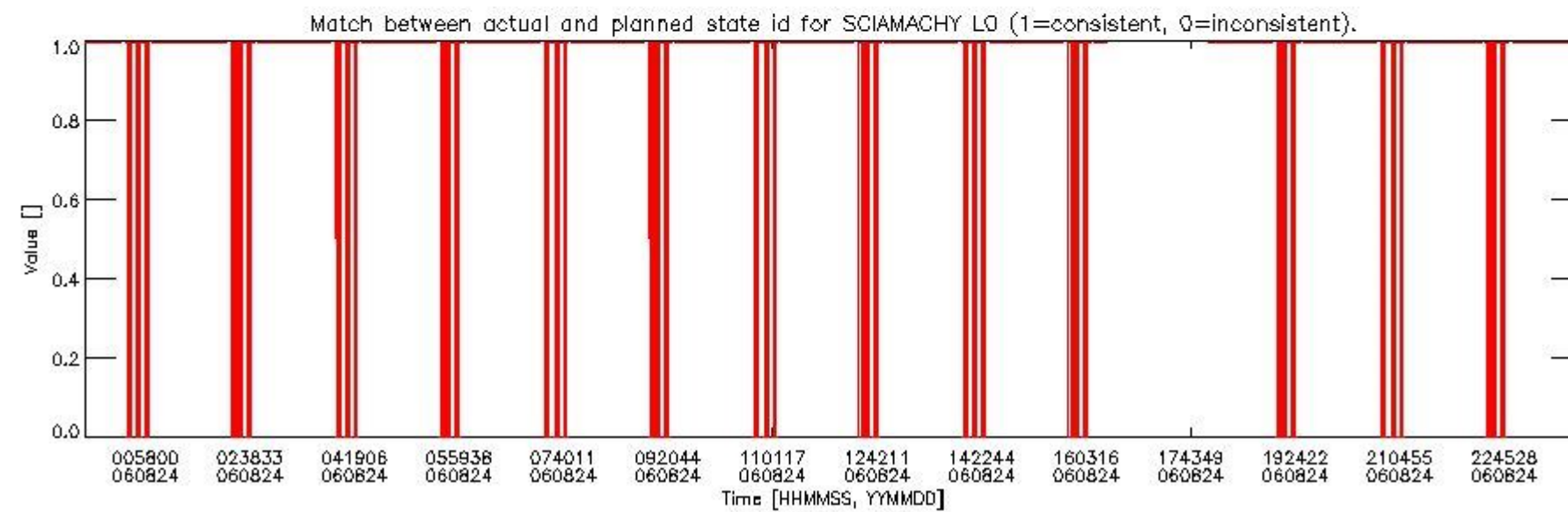
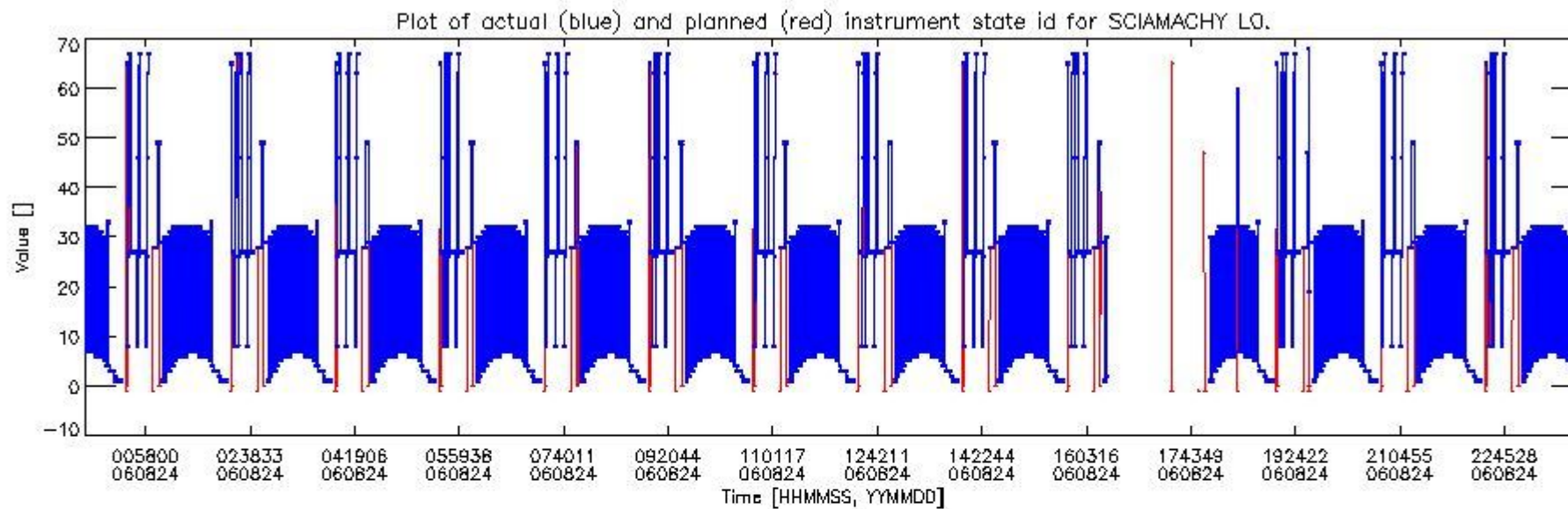


0.3 State monitoring

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: **292**

#	Actual time	Actual value	Planned time	Planned value
0	24AUG2006 00:40:16.436622	8	24AUG2006 00:40:16.436622	0
1	24AUG2006 00:40:59.999129	26	24AUG2006 00:40:59.999129	8
2	24AUG2006 00:41:33.553805	46	24AUG2006 00:41:33.553805	26
3	24AUG2006 00:41:47.112412	63	24AUG2006 00:41:47.112412	46
4	24AUG2006 00:42:20.670991	67	24AUG2006 00:42:20.670991	63
5	24AUG2006 00:43:44.233483	27	24AUG2006 00:43:44.233483	67
6	24AUG2006 00:49:36.702221	8	24AUG2006 00:49:36.702221	27
7	24AUG2006 00:50:20.264728	26	24AUG2006 00:50:20.264728	8
8	24AUG2006 00:50:53.823307	46	24AUG2006 00:50:53.823307	26
9	24AUG2006 00:51:07.381914	63	24AUG2006 00:51:07.381914	46
10	24AUG2006 00:51:40.936590	67	24AUG2006 00:51:40.936590	63
11	24AUG2006 00:53:04.502985	27	24AUG2006 00:53:04.502985	67
12	24AUG2006 00:58:12.913140	8	24AUG2006 00:58:12.913140	27
13	24AUG2006 00:58:56.471705	26	24AUG2006 00:58:56.471705	8
14	24AUG2006 00:59:30.030324	46	24AUG2006 00:59:30.030324	26
15	24AUG2006 00:59:43.584988	63	24AUG2006 00:59:43.584988	46
16	24AUG2006 01:00:17.147510	67	24AUG2006 01:00:17.147510	63
17	24AUG2006 02:20:52.830836	27	24AUG2006 02:20:52.830836	0
18	24AUG2006 02:23:05.002720	8	24AUG2006 02:23:05.002720	27
19	24AUG2006 02:23:48.565188	26	24AUG2006 02:23:48.565188	8
...

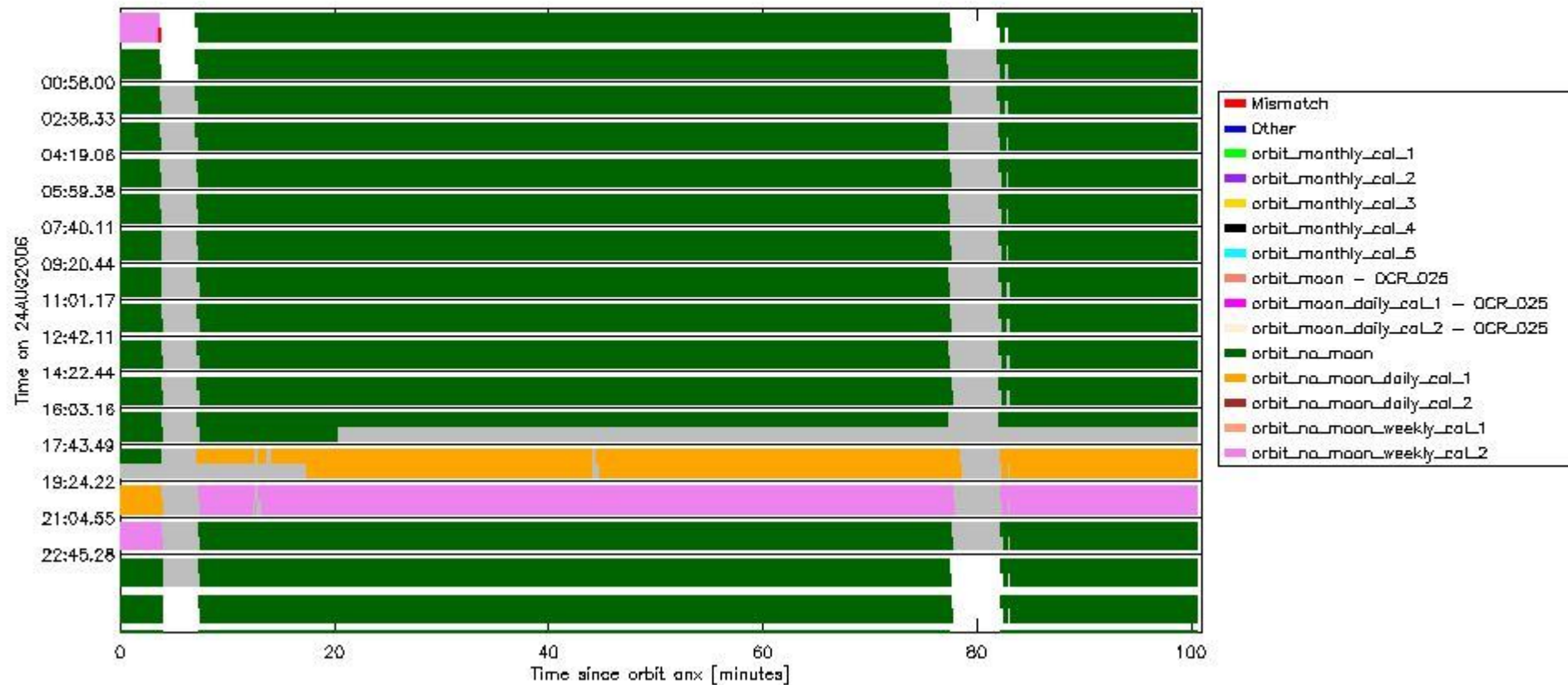


sciamachy_daily_report_level0_PFHS_5_37_N_20060824_5.PNG

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 24AUG2006.
 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_20060824_6.PNG

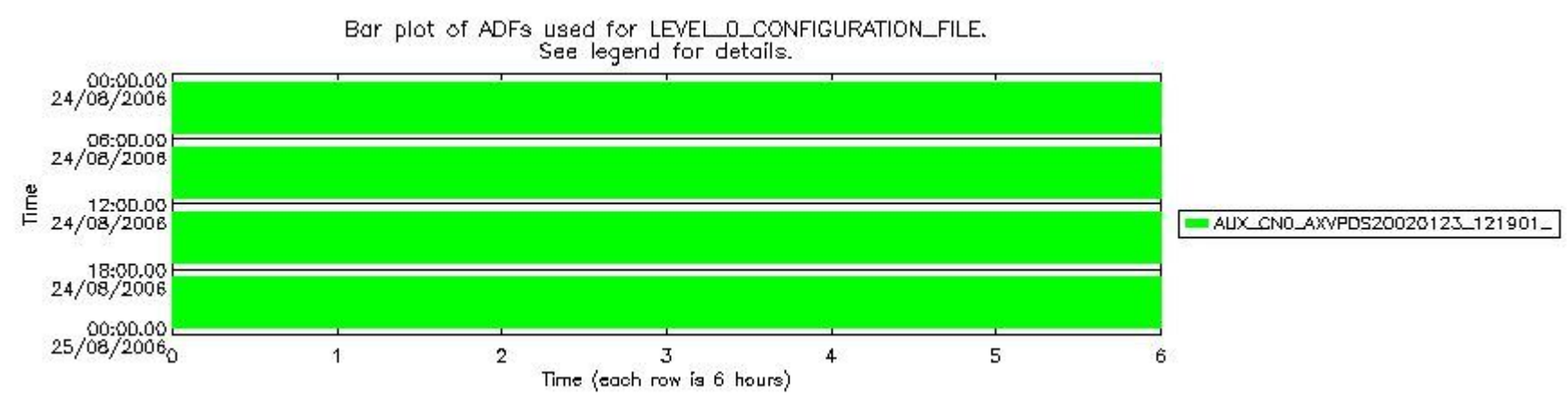
0.4 ADF monitoring

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

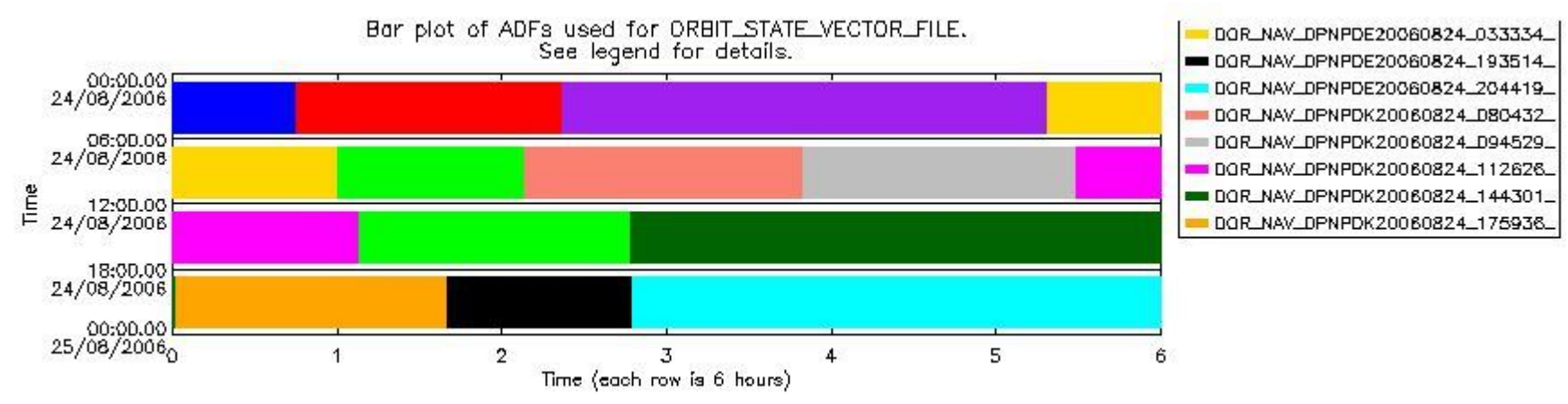
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

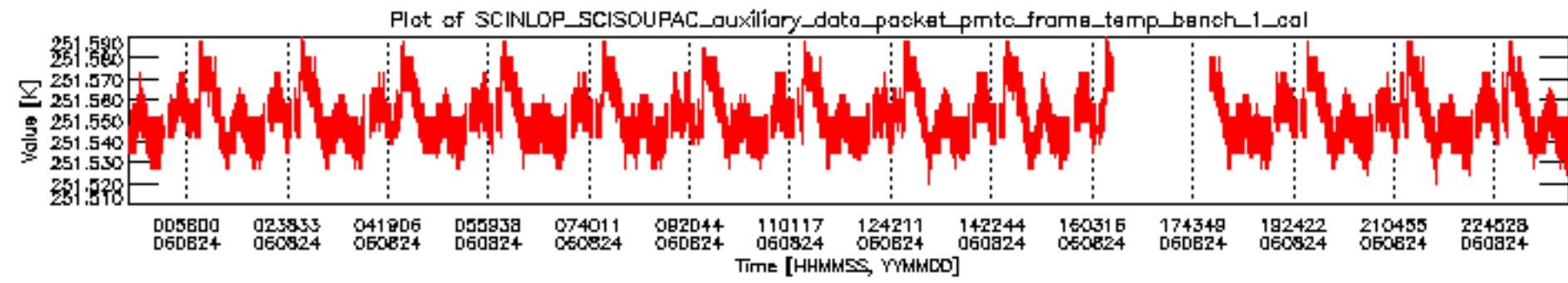
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20060823_232640_20060823_195603_20060902_212215
2	DOR_NAV_OPNPDE20060823_212138_000057382050_00329_23429_0410.N1
3	DOR_NAV_OPNPDE20060823_230235_000057382050_00330_23430_0411.N1
4	DOR_NAV_OPNPDE20060824_021911_000041442050_00332_23432_0413.N1
5	DOR_NAV_OPNPDE20060824_033334_000057382050_00333_23433_0414.N1
6	DOR_NAV_OPNPDE20060824_193514_000038252050_00343_23443_0416.N1
7	DOR_NAV_OPNPDE20060824_204419_000060562050_00343_23443_0417.N1
8	DOR_NAV_OPNPDK20060824_080432_000057382050_00336_23436_0518.N1
9	DOR_NAV_OPNPDK20060824_094529_000057382050_00337_23437_0519.N1
10	DOR_NAV_OPNPDK20060824_112626_000054192050_00338_23438_0520.N1
11	DOR_NAV_OPNPDK20060824_144301_000054192050_00340_23440_0522.N1
12	DOR_NAV_OPNPDK20060824_175936_000057382050_00342_23442_0524.N1

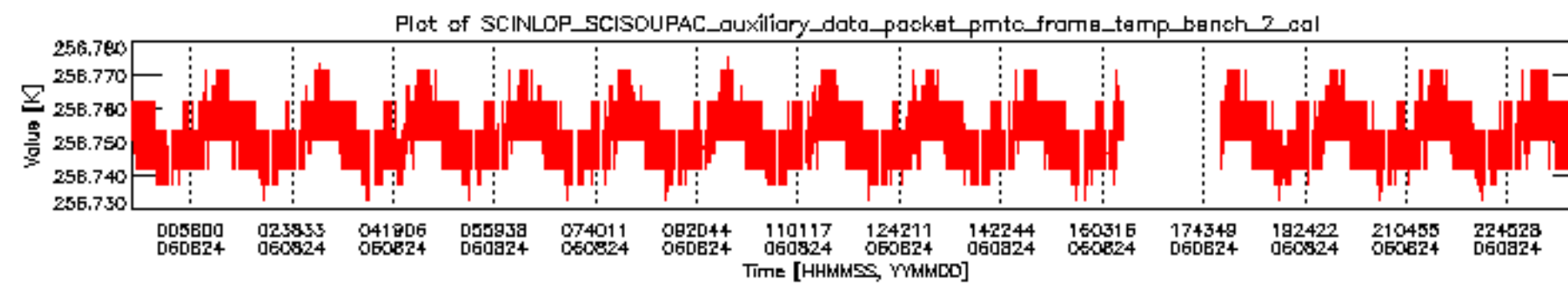


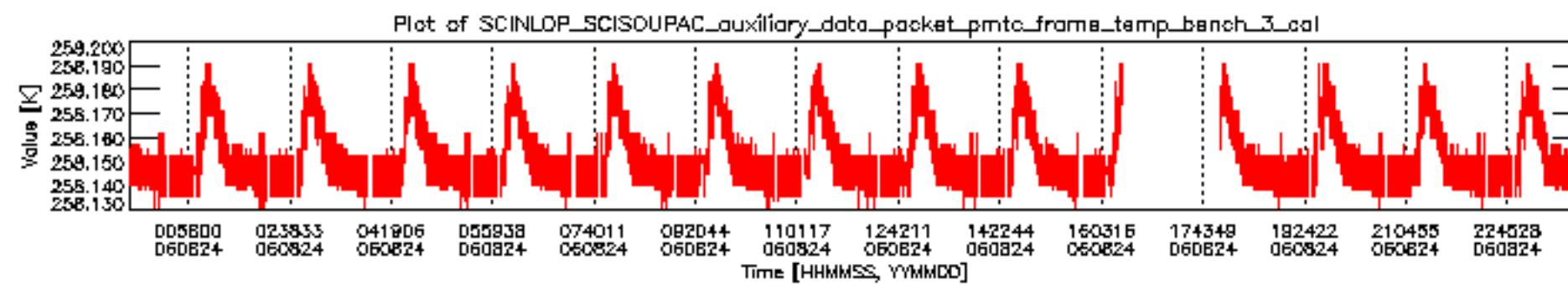
sciamachy_daily_report_level0_PFHS_5_37_N_20060824_7.PNG

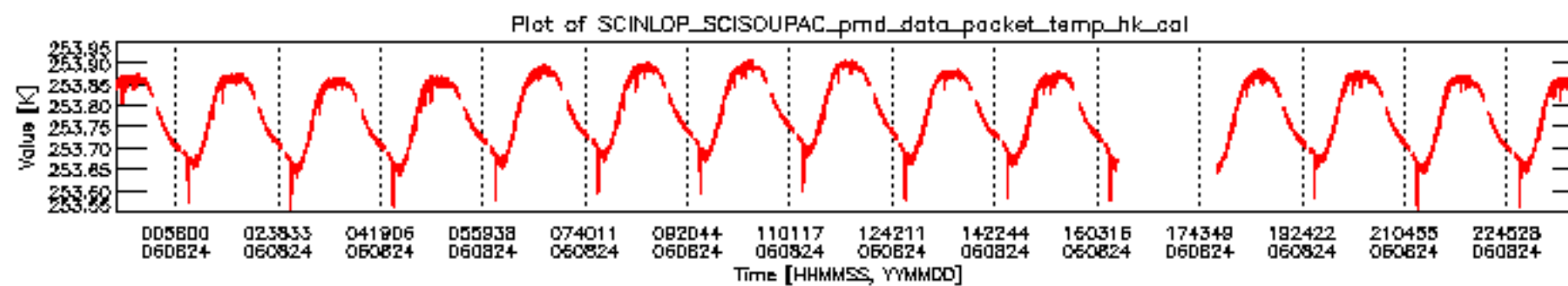


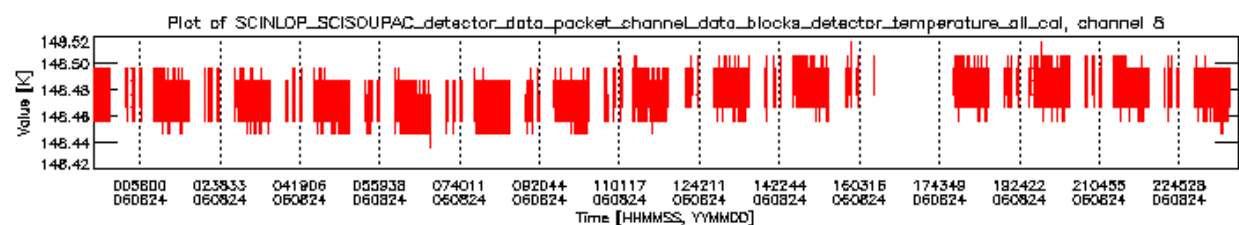
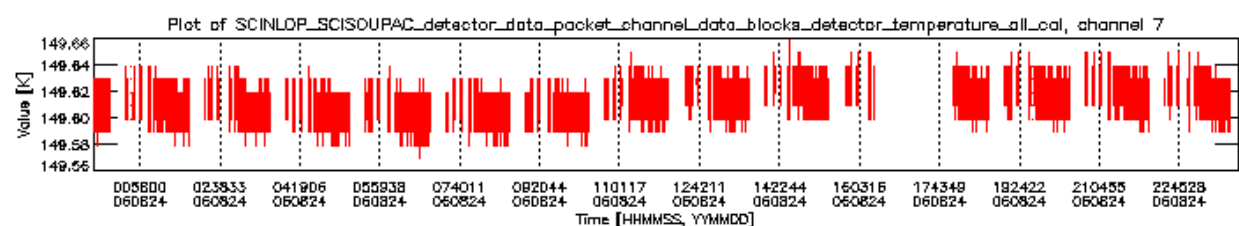
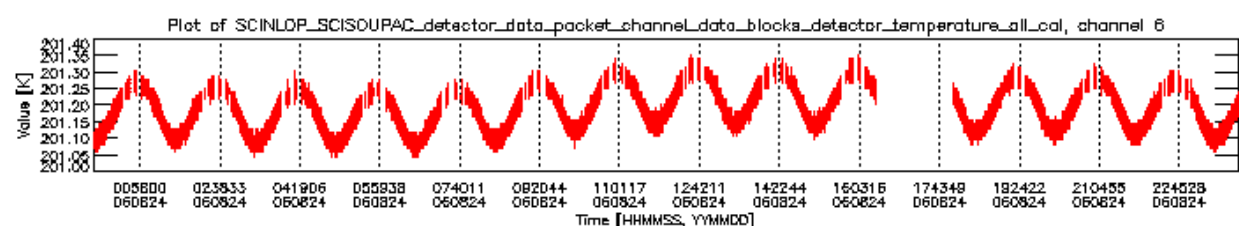
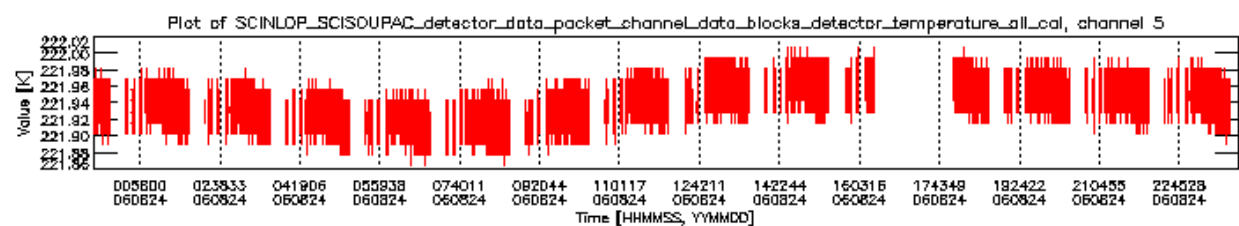
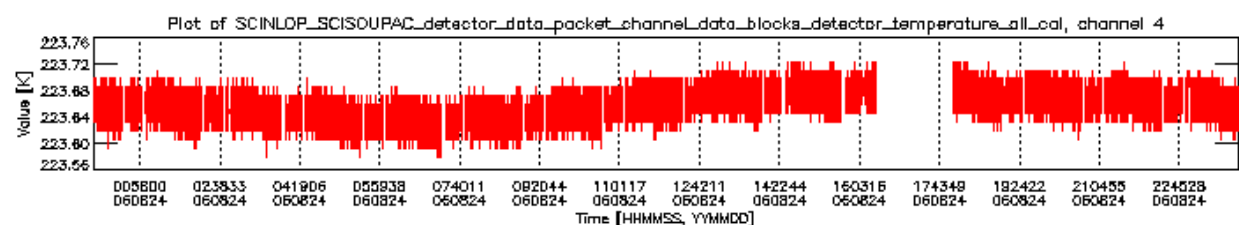
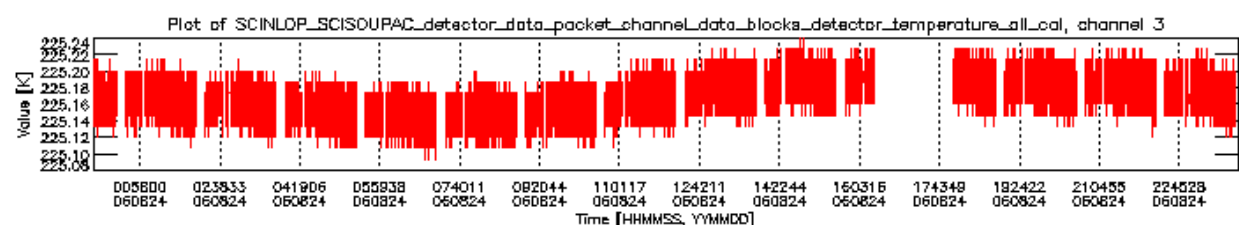
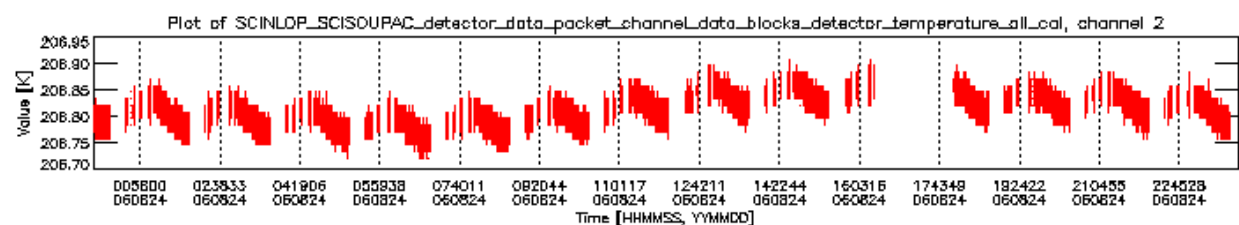
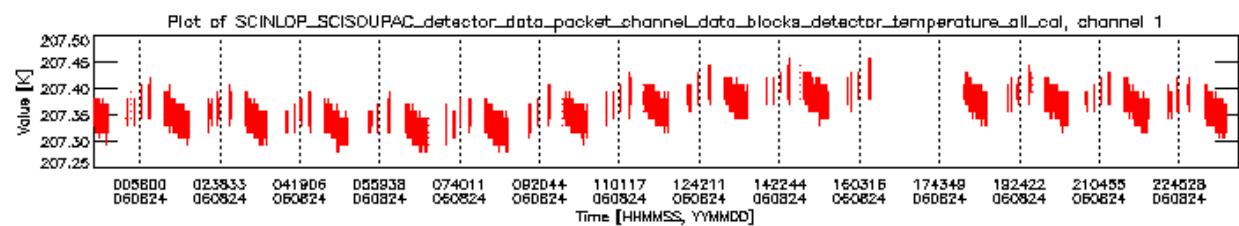
sciamachy_daily_report_level0_PFHS_5_37_N_20060824_8.PNG

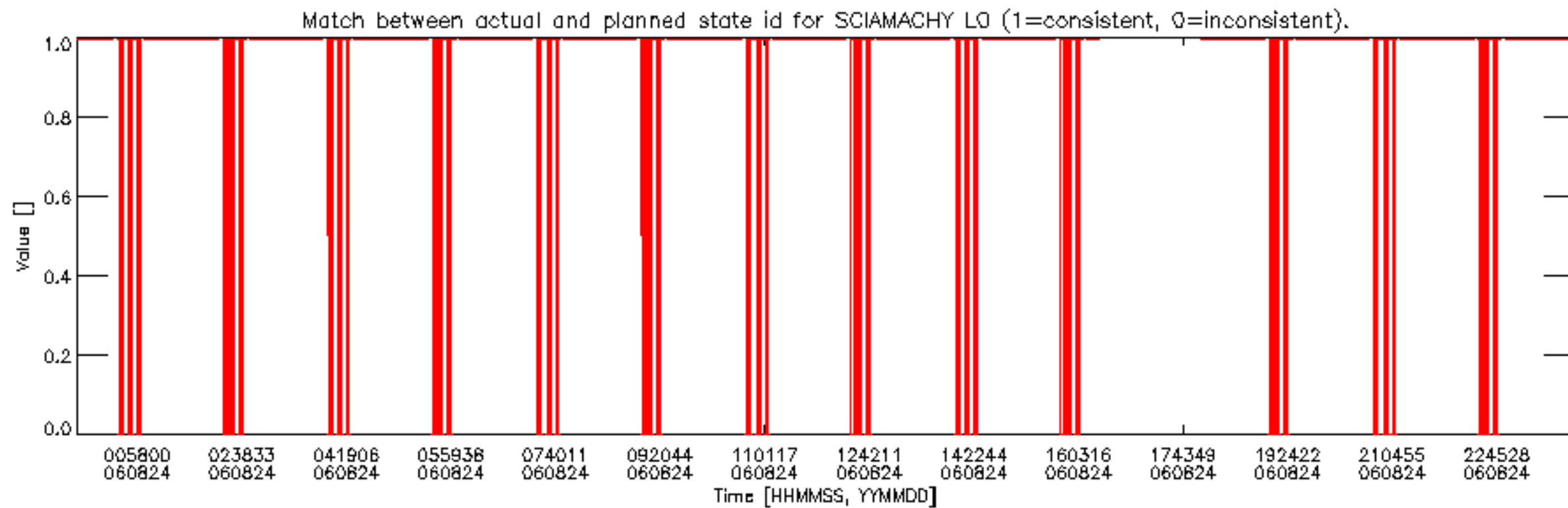
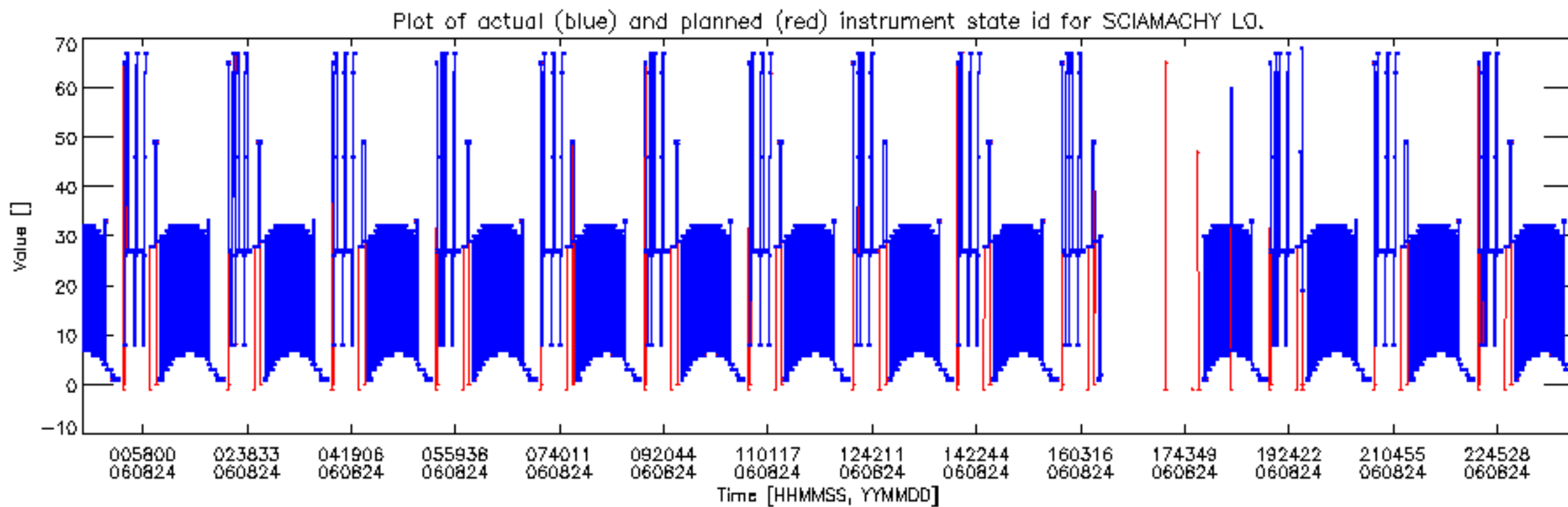












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 24AUG2006.
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