

0. SCIAMACHY Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Product Quality Indicators](#)

[0.3 State monitoring](#)

[0.4 ADF monitoring](#)

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	04SEP2006 05:26:17
Data source version	PFHS/5.37-N
Processing scope for products	31AUG2006 00:00:00 to 01SEP2006 00:00:00
Start time of first product within scope	30AUG2006 22:44:02
Stop time of last product within scope	01SEP2006 01:32:58
Total number of level 0 products	17
Number of level 0 products with errors	17

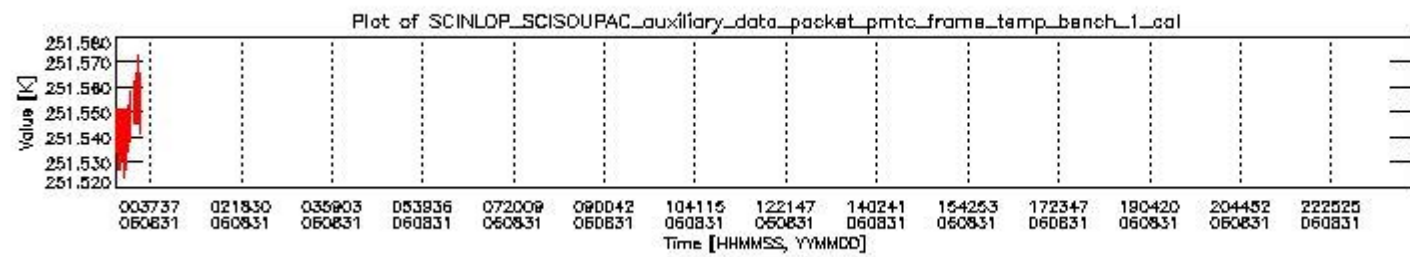
0.1.2 Summary per product

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

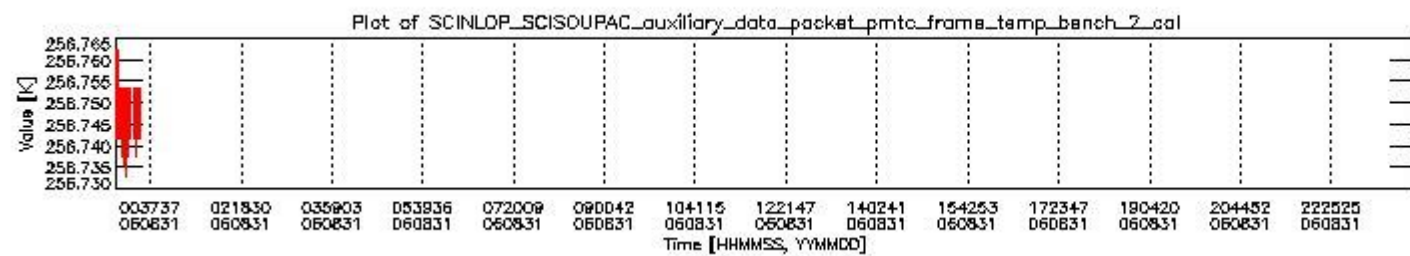
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060830_224402_000061972050_00430_23530_0473.N1	30AUG2006 22:44:02	31AUG2006 00:27:20	1	0	1	0	0
1	SCI_NL__OPNPDE20060831_002636_000057402050_00431_23531_0474.N1	31AUG2006 00:26:36	31AUG2006 02:02:16	1	0	1	0	0
2	SCI_NL__OPNPDE20060831_020132_000045682050_00432_23532_0475.N1	31AUG2006 02:01:32	31AUG2006 03:17:41	1	0	1	0	0
3	SCI_NL__OPNPDE20060831_031645_000061602050_00433_23533_0476.N1	31AUG2006 03:16:45	31AUG2006 04:59:26	1	0	1	0	0
4	SCI_NL__OPNPDE20060831_045926_000060362050_00434_23534_0480.N1	31AUG2006 04:59:26	31AUG2006 06:40:02	1	0	1	0	0
5	SCI_NL__OPNPDK20060831_064002_000040452050_00435_23535_0589.N1	31AUG2006 06:40:02	31AUG2006 07:47:28	1	0	1	0	0
6	SCI_NL__OPNPDK20060831_074728_000062162050_00436_23536_0590.N1	31AUG2006 07:47:28	31AUG2006 09:31:04	1	0	1	0	0
7	SCI_NL__OPNPDK20060831_093008_000059112050_00437_23537_0591.N1	31AUG2006 09:30:08	31AUG2006 11:08:40	1	0	1	0	0
8	SCI_NL__OPNPDK20060831_110840_000060362050_00438_23538_0592.N1	31AUG2006 11:08:40	31AUG2006 12:49:17	1	0	1	0	0
9	SCI_NL__OPNPDK20060831_124917_000059112050_00439_23539_0593.N1	31AUG2006 12:49:17	31AUG2006 14:27:49	1	0	1	0	0
10	SCI_NL__OPNPDK20060831_142653_000058432050_00440_23540_0594.N1	31AUG2006 14:26:53	31AUG2006 16:04:16	1	0	1	0	0
11	SCI_NL__OPNPDK20060831_160212_000059622050_00441_23541_0595.N1	31AUG2006 16:02:12	31AUG2006 17:41:34	1	0	1	0	0
12	SCI_NL__OPNPDK20060831_174038_000060612050_00442_23542_0596.N1	31AUG2006 17:40:38	31AUG2006 19:21:40	1	0	1	0	0
13	SCI_NL__OPNPDK20060831_192044_000059612050_00443_23543_0597.N1	31AUG2006 19:20:44	31AUG2006 21:00:05	1	0	1	0	0
14	SCI_NL__OPNPDE20060831_205651_000045412050_00444_23544_0481.N1	31AUG2006 20:56:51	31AUG2006 22:12:32	1	0	1	0	0
15	SCI_NL__OPNPDE20060831_221145_000061562050_00444_23544_0482.N1	31AUG2006 22:11:45	31AUG2006 23:54:22	1	0	1	0	0
16	SCI_NL__OPNPDE20060831_235338_000059602050_00445_23545_0483.N1	31AUG2006 23:53:38	01SEP2006 01:32:58	1	0	1	0	0

0.2 Product Quality Indicators

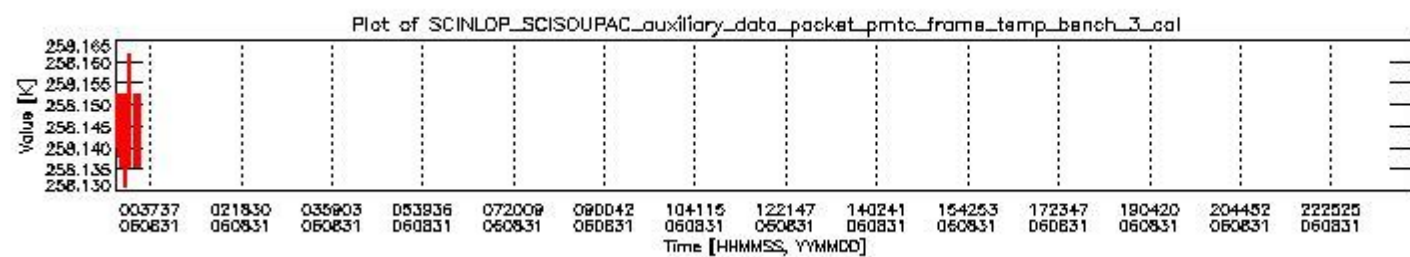
This section shows information about product quality, currently temperatures.



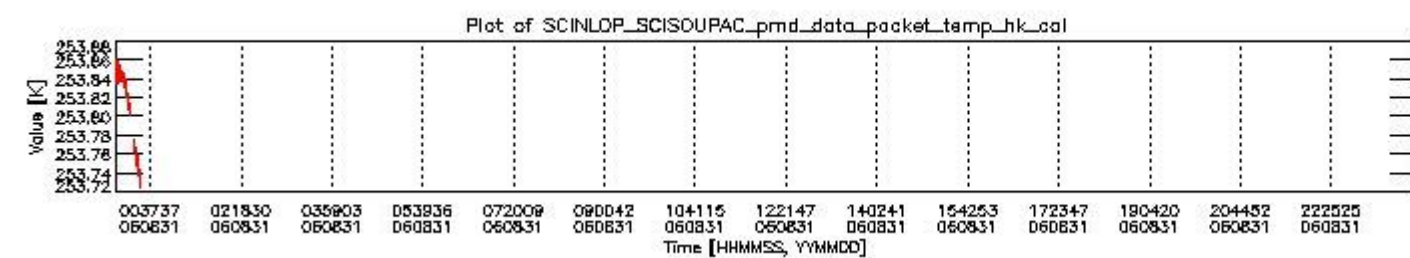
sciamachy_daily_report_level0_PFHS_5_37_N_20060831_0.PNG



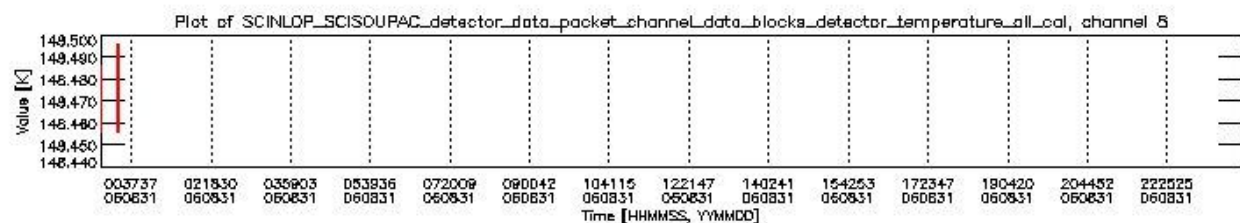
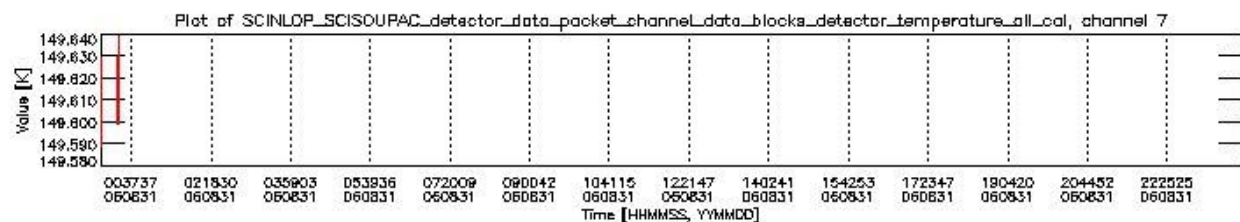
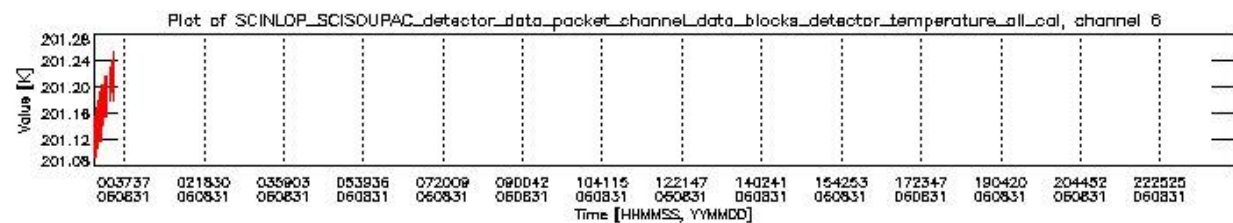
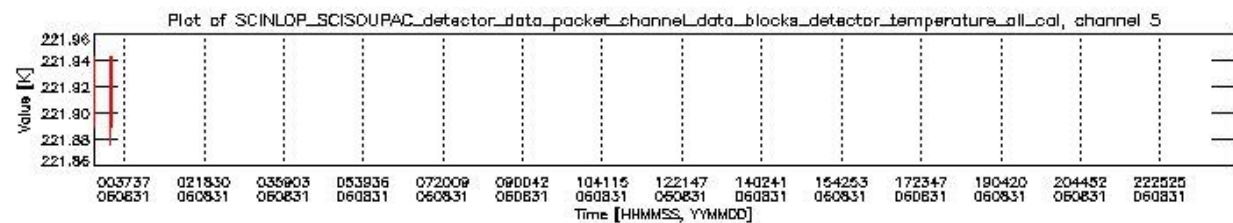
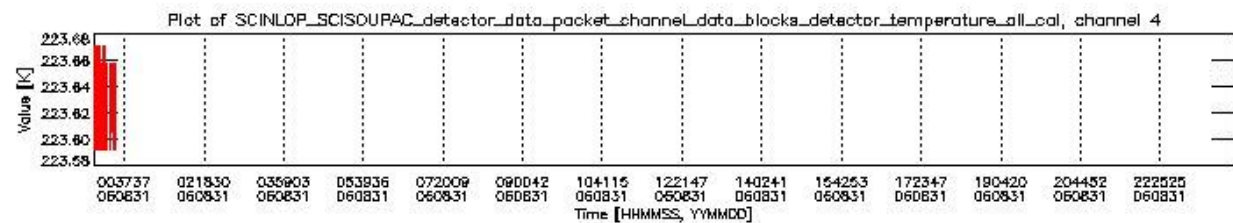
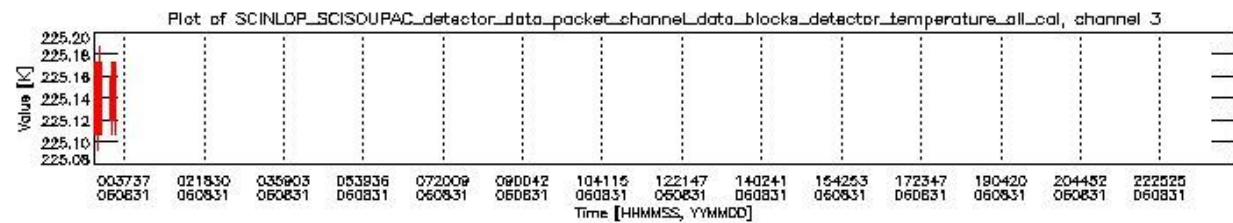
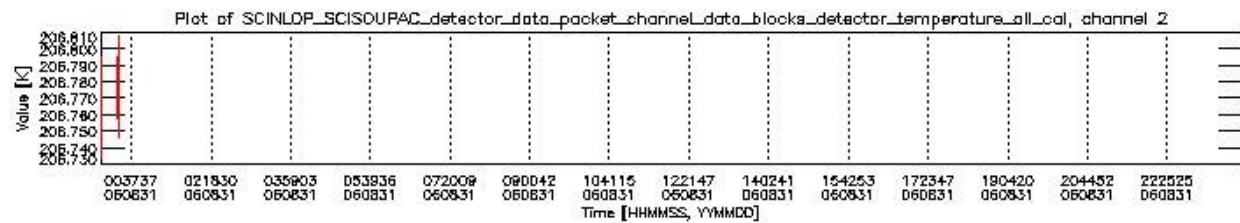
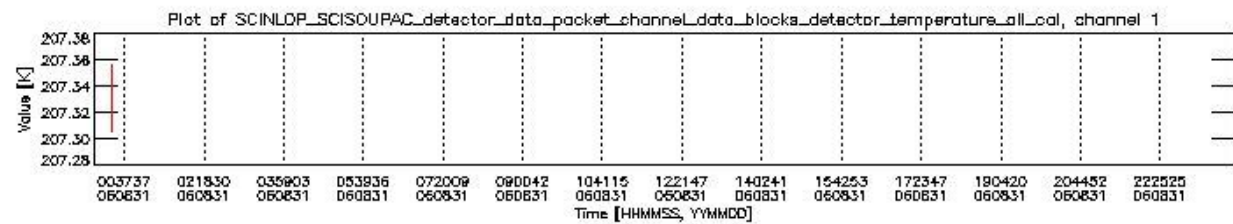
sciamachy_daily_report_level0_PFHS_5_37_N_20060831_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060831_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060831_3.PNG

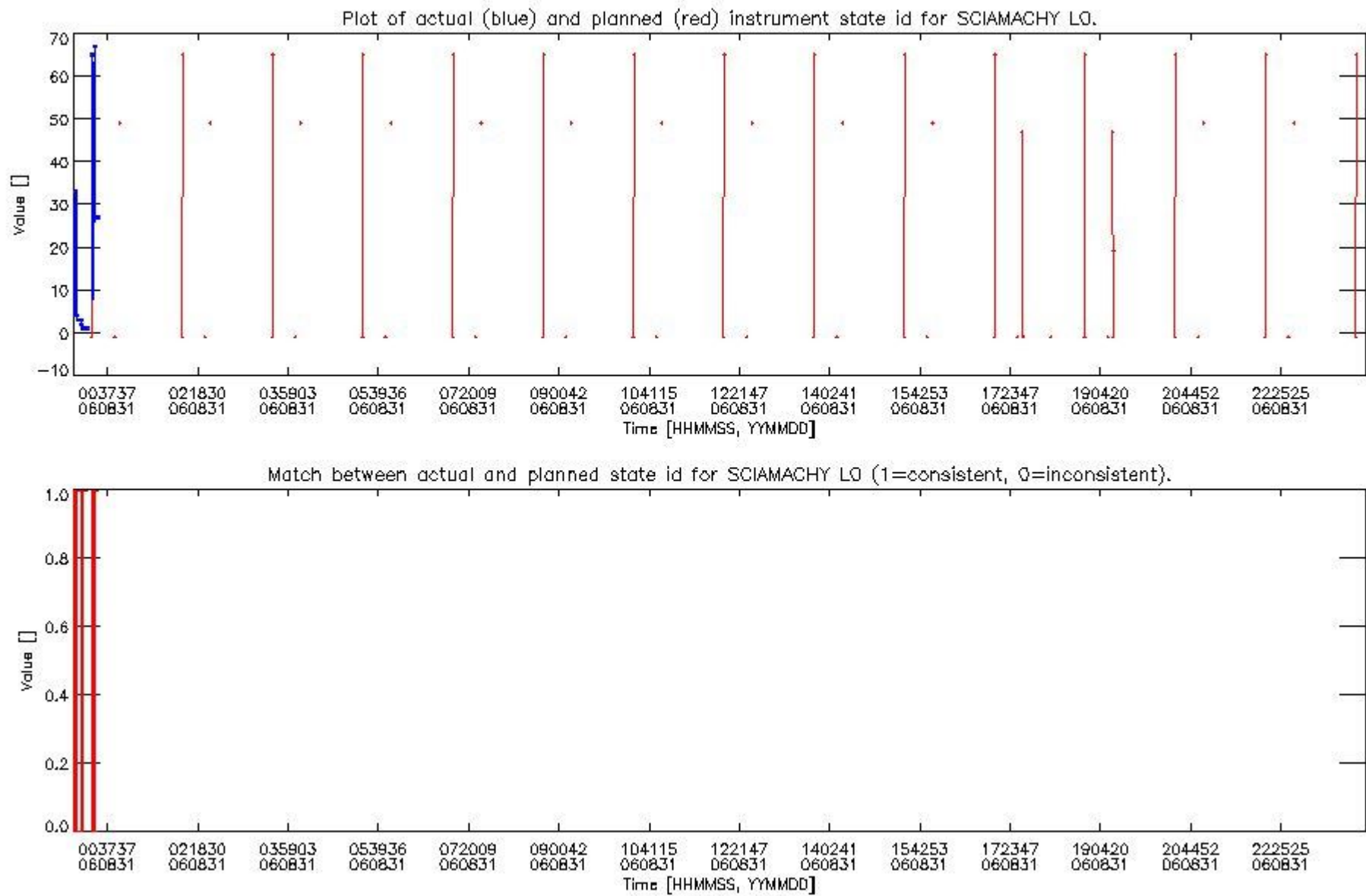


0.3 State monitoring

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: **312**

#	Actual time	Actual value	Planned time	Planned value
0	31AUG2006 00:00:37.275557	4	31AUG2006 00:00:37.275557	30
1	31AUG2006 00:00:37.525566	4	31AUG2006 00:00:37.525566	30
2	31AUG2006 00:00:37.650570	4	31AUG2006 00:00:37.650570	30
3	31AUG2006 00:00:37.775575	4	31AUG2006 00:00:37.775575	30
4	31AUG2006 00:00:37.900579	4	31AUG2006 00:00:37.900579	30
5	31AUG2006 00:00:38.025543	4	31AUG2006 00:00:38.025543	30
6	31AUG2006 00:00:38.150547	4	31AUG2006 00:00:38.150547	30
7	31AUG2006 00:00:38.275552	4	31AUG2006 00:00:38.275552	30
8	31AUG2006 00:00:38.400556	4	31AUG2006 00:00:38.400556	30
9	31AUG2006 00:01:45.834147	33	31AUG2006 00:01:45.834147	4
10	31AUG2006 00:01:46.834142	33	31AUG2006 00:01:46.834142	4
11	31AUG2006 00:02:41.705258	4	31AUG2006 00:02:41.705258	33
12	31AUG2006 00:02:41.955227	4	31AUG2006 00:02:41.955227	33
13	31AUG2006 00:02:42.080231	4	31AUG2006 00:02:42.080231	33
14	31AUG2006 00:02:42.205236	4	31AUG2006 00:02:42.205236	33
15	31AUG2006 00:02:42.330240	4	31AUG2006 00:02:42.330240	33
16	31AUG2006 00:02:42.455244	4	31AUG2006 00:02:42.455244	33
17	31AUG2006 00:02:42.580249	4	31AUG2006 00:02:42.580249	33
18	31AUG2006 00:02:42.705253	4	31AUG2006 00:02:42.705253	33
19	31AUG2006 00:02:42.830257	4	31AUG2006 00:02:42.830257	33

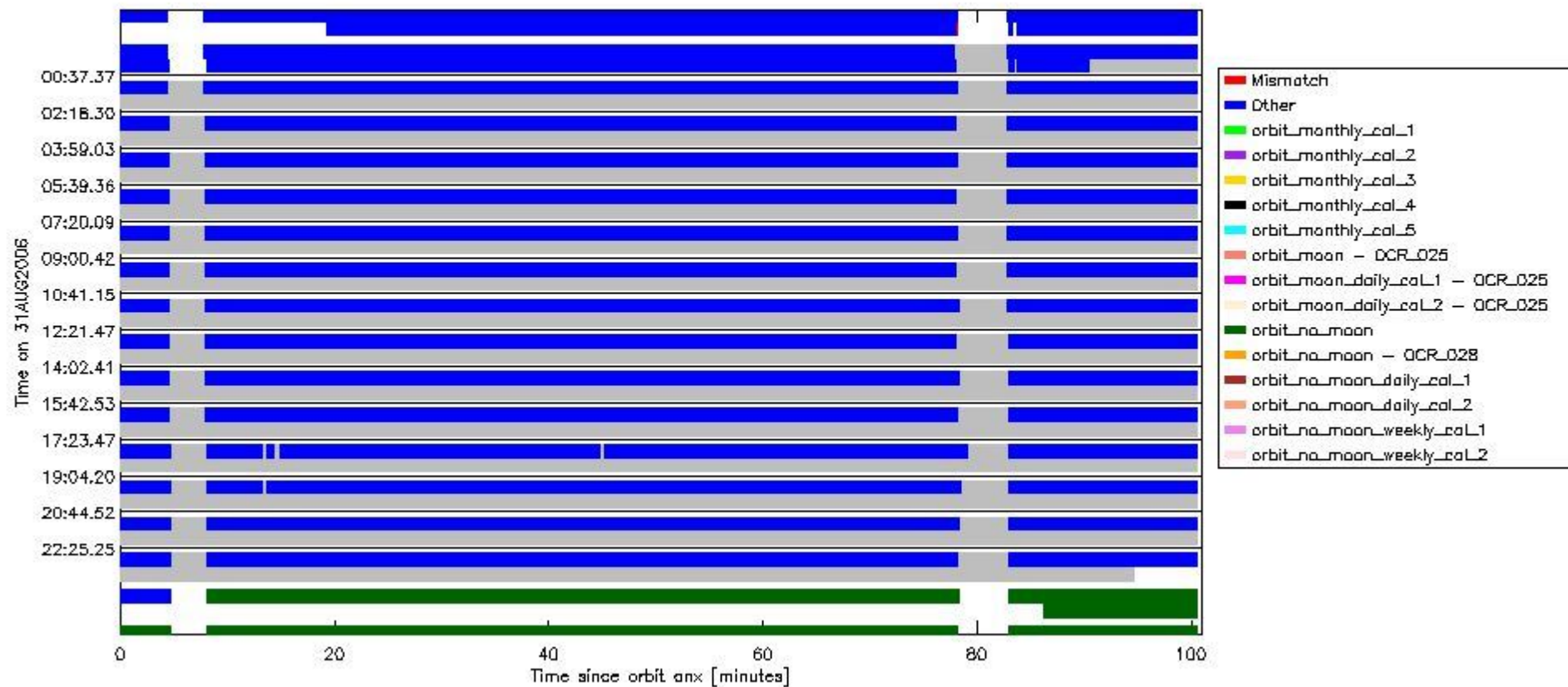


sciamachy_daily_report_level0_PFHS_5_37_N_20060831_5.PNG

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 31AUG2006.
 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_20060831_6.PNG

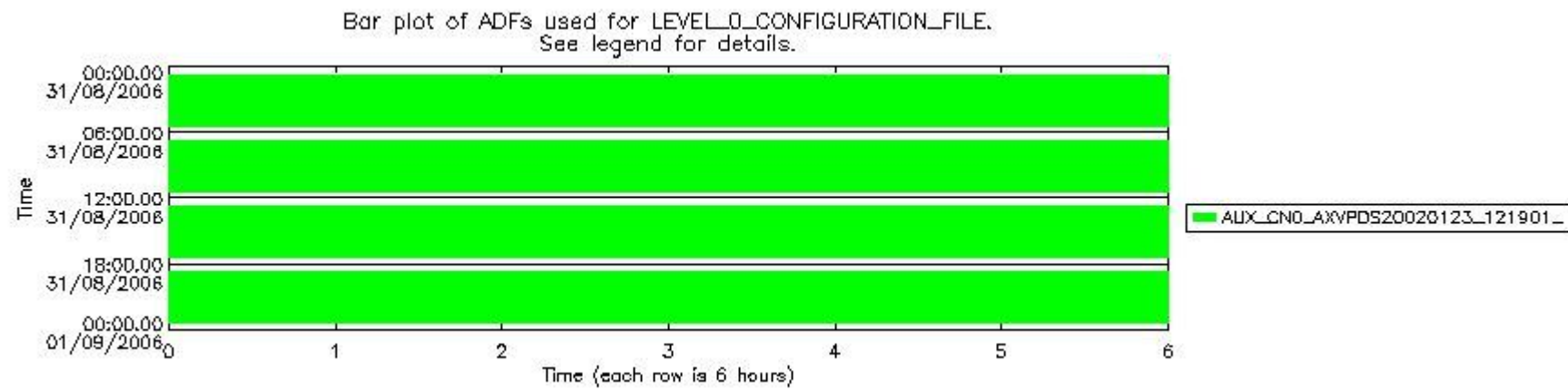
0.4 ADF monitoring

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

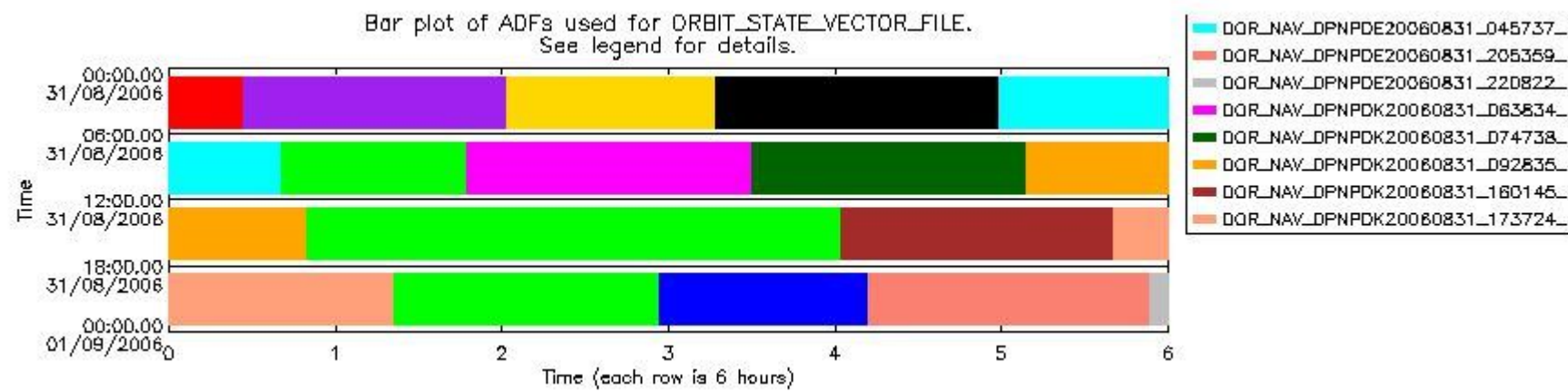
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

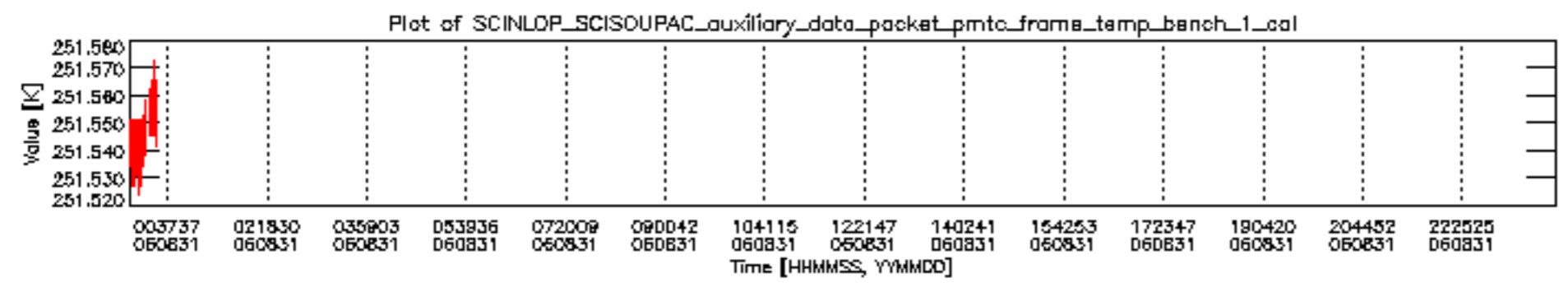
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20060830_230807_20060830_193555_20060909_210206
2	AUX_FPO_AXVPDS20060830_230817_20060830_193555_20060909_210206
3	DOR_NAV_OPNPDE20060830_205407_000060572050_00429_23529_0458.N1
4	DOR_NAV_OPNPDE20060830_224023_000060572050_00430_23530_0459.N1
5	DOR_NAV_OPNPDE20060831_002639_000051002050_00431_23531_0460.N1
6	DOR_NAV_OPNPDE20060831_015658_000044632050_00432_23532_0461.N1
7	DOR_NAV_OPNPDE20060831_045737_000057382050_00434_23534_0463.N1
8	DOR_NAV_OPNPDE20060831_205359_000041442050_00444_23544_0464.N1
9	DOR_NAV_OPNPDE20060831_220822_000057382050_00444_23544_0465.N1
10	DOR_NAV_OPNPDK20060831_063834_000038252050_00435_23535_0600.N1
11	DOR_NAV_OPNPDK20060831_074738_000057382050_00436_23536_0601.N1
12	DOR_NAV_OPNPDK20060831_092835_000054192050_00437_23537_0602.N1
13	DOR_NAV_OPNPDK20060831_160145_000054192050_00441_23541_0606.N1
14	DOR_NAV_OPNPDK20060831_173724_000057382050_00442_23542_0607.N1

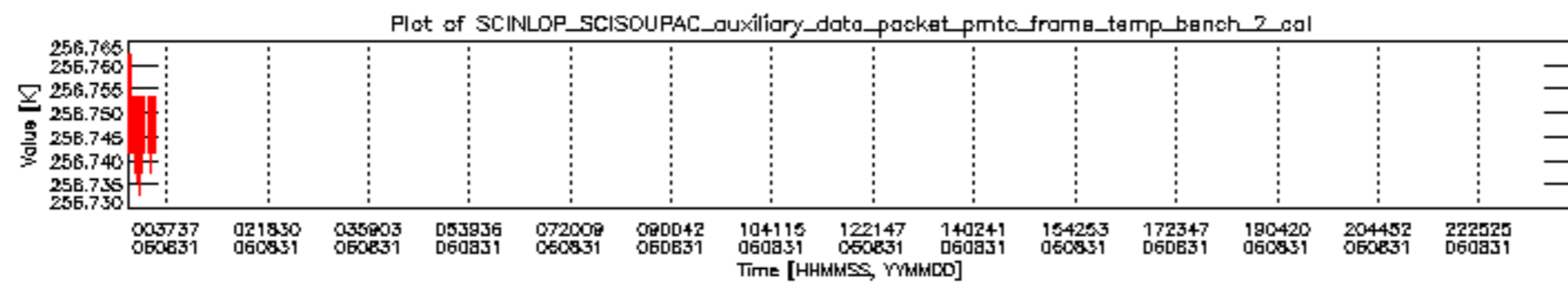


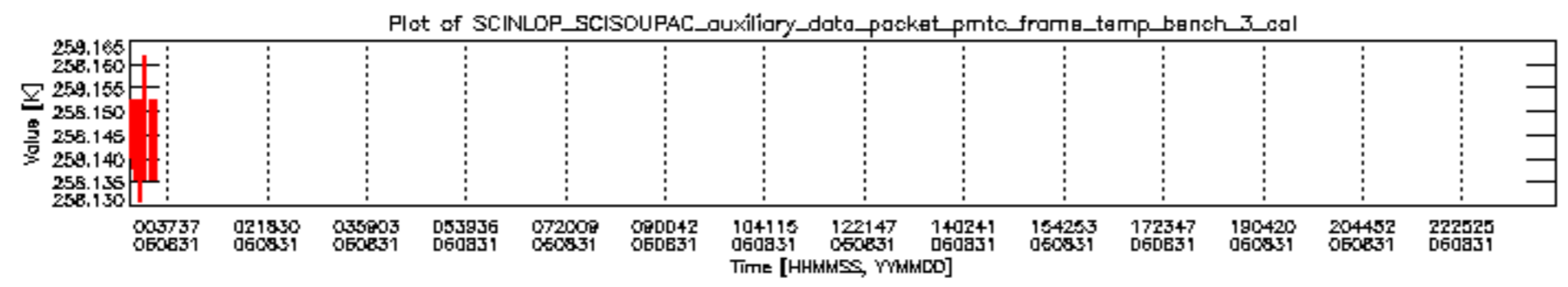
sciamachy_daily_report_level0_PFHS_5_37_N_20060831_7.PNG

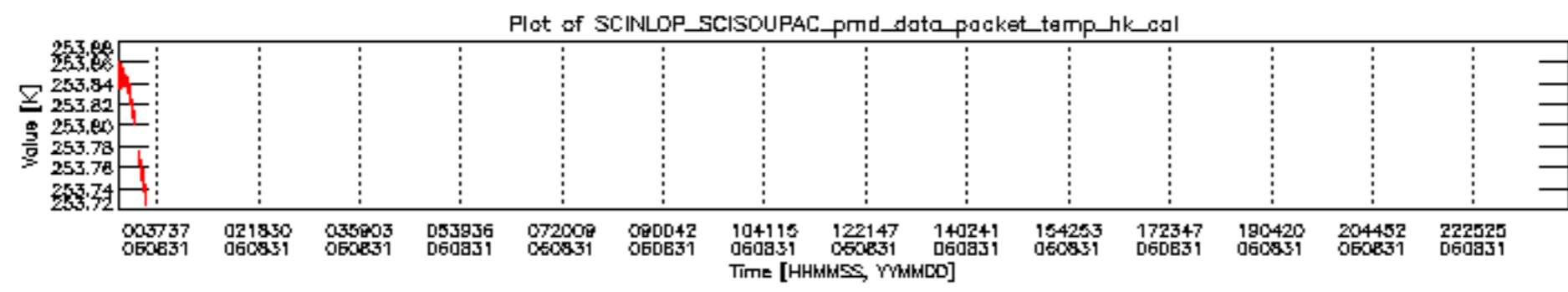


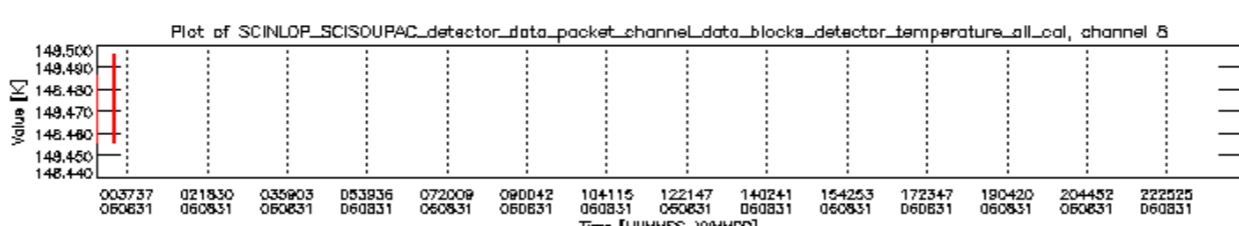
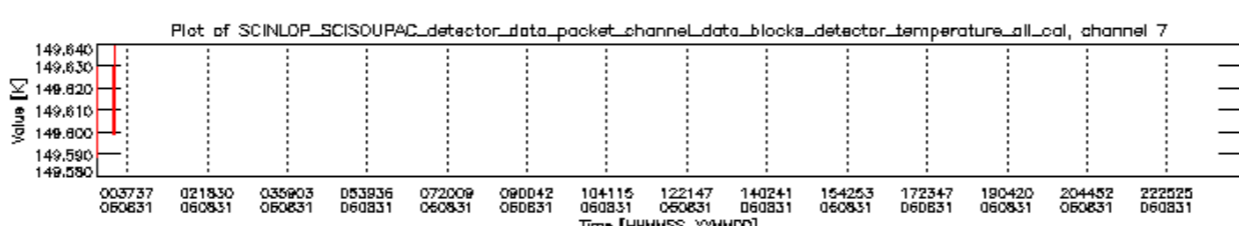
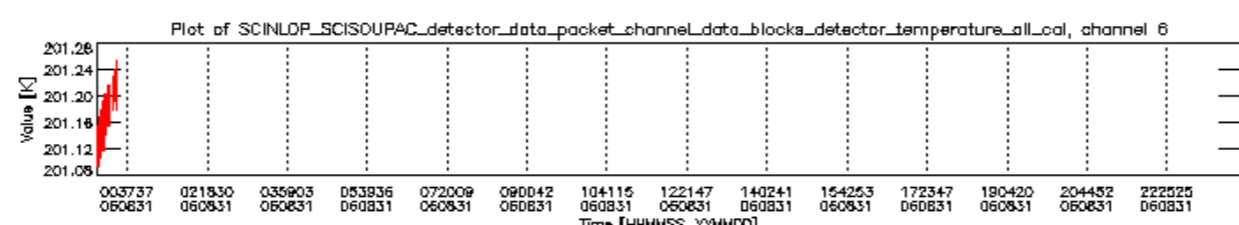
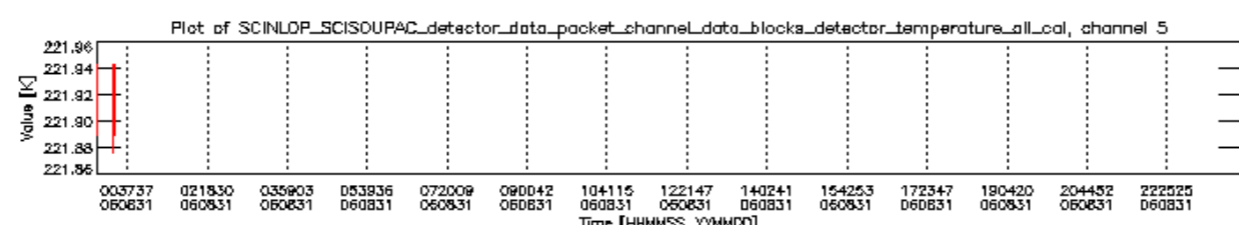
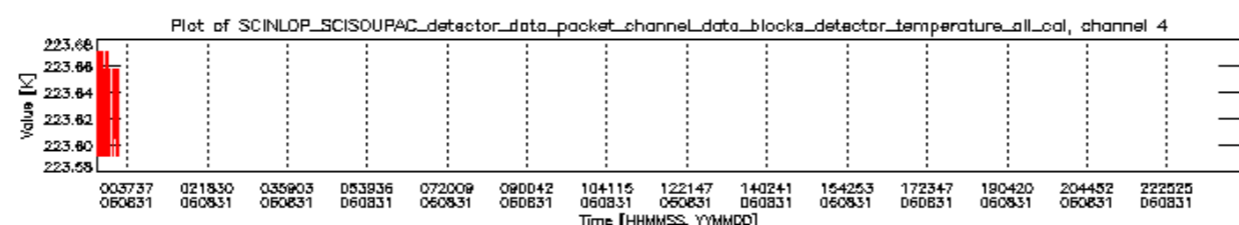
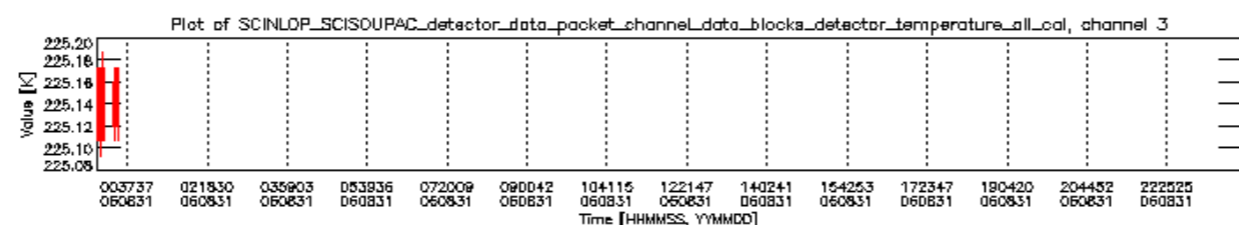
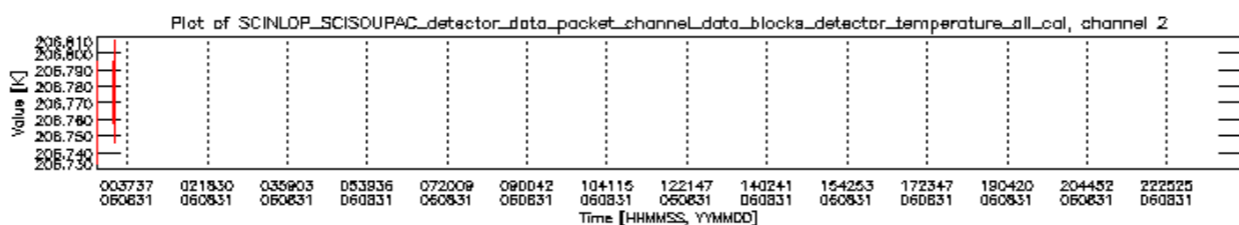
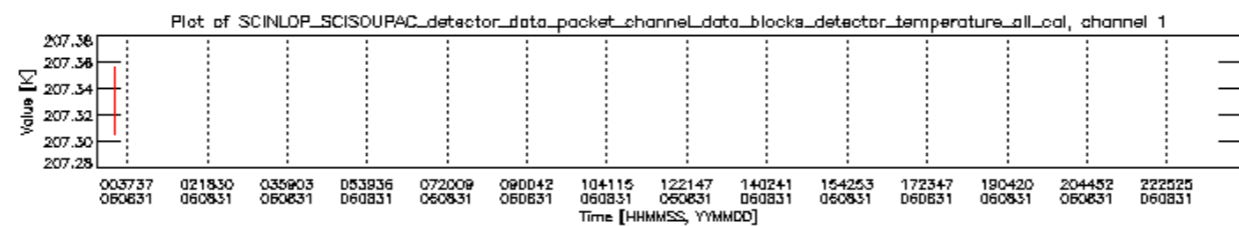
sciamachy_daily_report_level0_PFHS_5_37_N_20060831_8.PNG

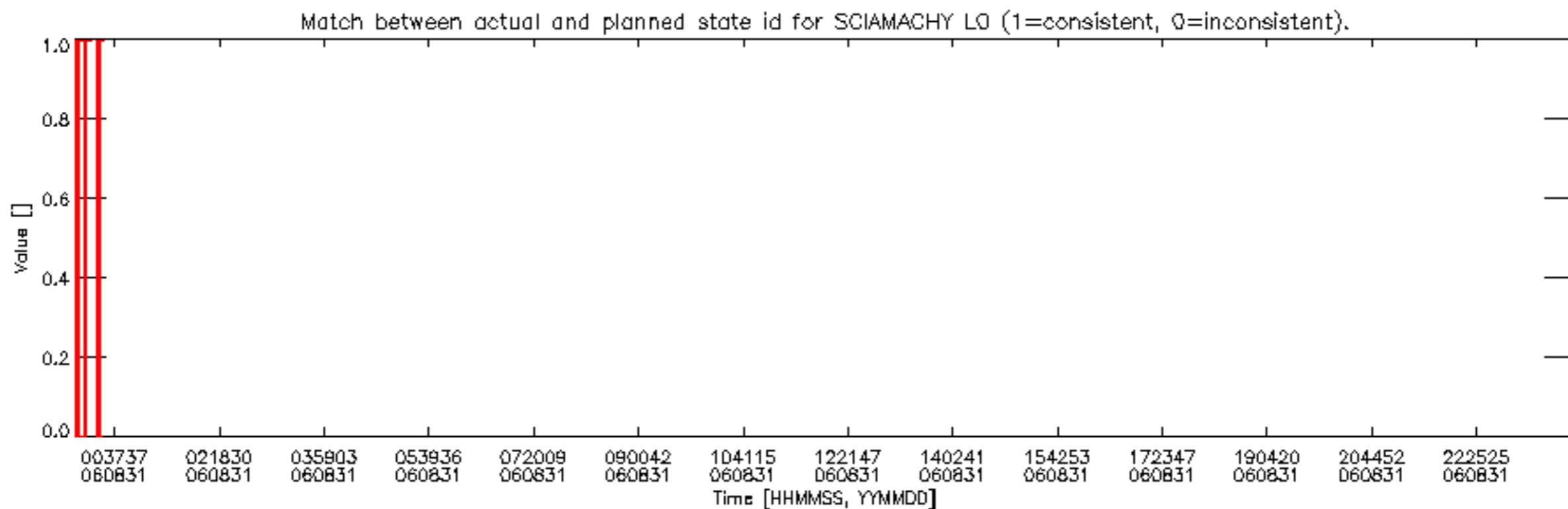
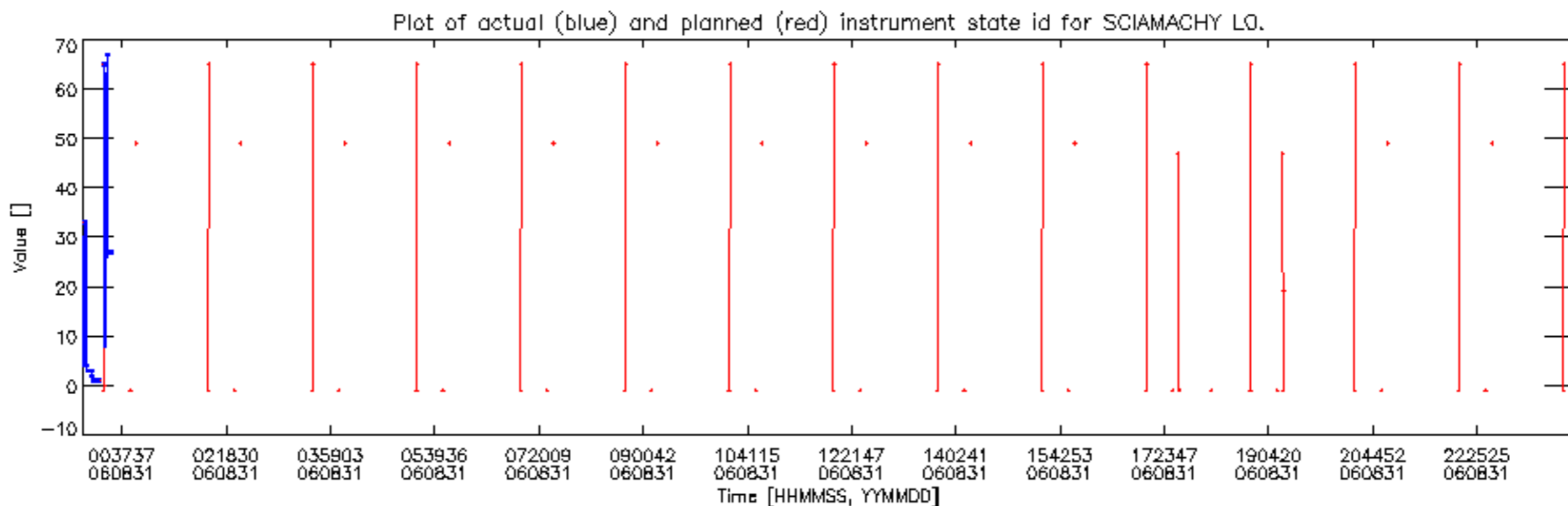












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 31AUG2006.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

