

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	25AUG2006 05:39:52
Data source version	PFHS/5.37-N
Processing scope for products	21AUG2006 00:00:00 to 22AUG2006 00:00:00
Start time of first product within scope	20AUG2006 22:59:15
Stop time of last product within scope	22AUG2006 00:09:51
Total number of level 0 products	17
Number of level 0 products with errors	17

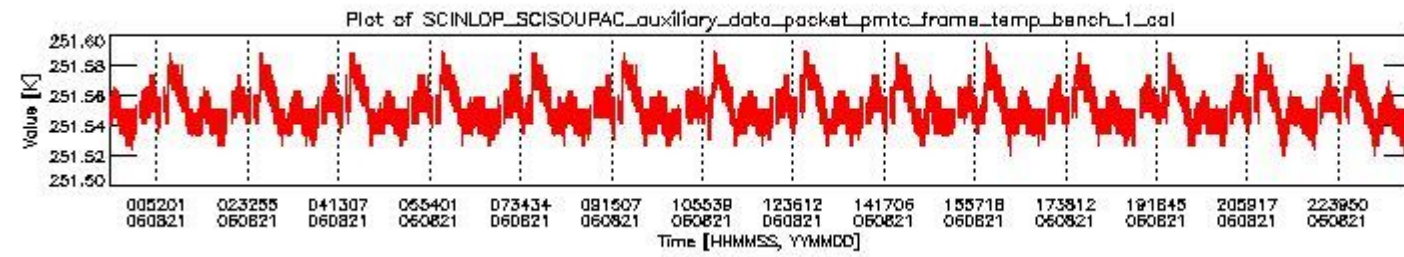
0.1.2 Summary per product

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

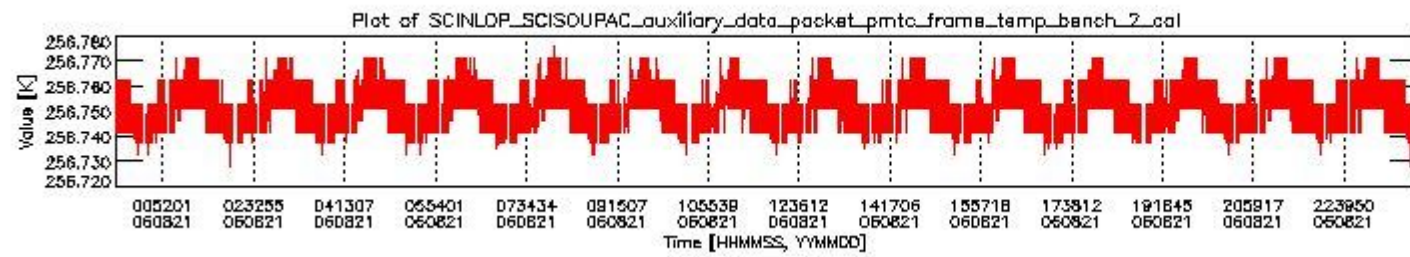
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060820_225915_000060362050_00287_23387_0395.N1	20AUG2006 22:59:15	21AUG2006 00:39:51	1	0	1	0	0
1	SCI_NL__OPNPDE20060821_003828_000059042050_00288_23388_0396.N1	21AUG2006 00:38:28	21AUG2006 02:16:52	1	0	1	0	0
2	SCI_NL__OPNPDE20060821_021531_000045412050_00289_23389_0397.N1	21AUG2006 02:15:31	21AUG2006 03:31:12	1	0	1	0	0
3	SCI_NL__OPNPDE20060821_033112_000061482050_00290_23390_0398.N1	21AUG2006 03:31:12	21AUG2006 05:13:41	1	0	1	0	0
4	SCI_NL__OPNPDE20060821_051245_000061052050_00291_23391_0400.N1	21AUG2006 05:12:45	21AUG2006 06:54:30	1	0	1	0	0
5	SCI_NL__OPNPDK20060821_065321_000041012050_00292_23392_0484.N1	21AUG2006 06:53:21	21AUG2006 08:01:43	1	0	1	0	0
6	SCI_NL__OPNPDK20060821_080143_000062292050_00293_23393_0485.N1	21AUG2006 08:01:43	21AUG2006 09:45:32	1	0	1	0	0
7	SCI_NL__OPNPDK20060821_094436_000059672050_00294_23394_0486.N1	21AUG2006 09:44:36	21AUG2006 11:24:04	1	0	1	0	0
8	SCI_NL__OPNPDK20060821_112255_000059802050_00295_23395_0487.N1	21AUG2006 11:22:55	21AUG2006 13:02:36	1	0	1	0	0
9	SCI_NL__OPNPDK20060821_112404_000059112050_00295_23395_0494.N1	21AUG2006 11:24:04	21AUG2006 13:02:36	1	0	1	0	0
10	SCI_NL__OPNPDK20060821_130236_000059112050_00296_23396_0492.N1	21AUG2006 13:02:36	21AUG2006 14:41:07	1	0	1	0	0
11	SCI_NL__OPNPDK20060821_143959_000058002050_00297_23397_0493.N1	21AUG2006 14:39:59	21AUG2006 16:16:39	1	0	1	0	0
12	SCI_NL__OPNPDK20060821_161435_000060732050_00298_23398_0490.N1	21AUG2006 16:14:35	21AUG2006 17:55:49	1	0	1	0	0
13	SCI_NL__OPNPDK20060821_175453_000058932050_00299_23399_0491.N1	21AUG2006 17:54:53	21AUG2006 19:33:06	1	0	1	0	0
14	SCI_NL__OPNPDE20060821_193210_000042892050_00300_23400_0401.N1	21AUG2006 19:32:10	21AUG2006 20:43:40	1	0	1	0	0
15	SCI_NL__OPNPDE20060821_204256_000063322050_00300_23400_0402.N1	21AUG2006 20:42:56	21AUG2006 22:28:29	1	0	1	0	0
16	SCI_NL__OPNPDE20060821_222744_000061262050_00301_23401_0403.N1	21AUG2006 22:27:44	22AUG2006 00:09:51	1	0	1	0	0

0.2 Product Quality Indicators

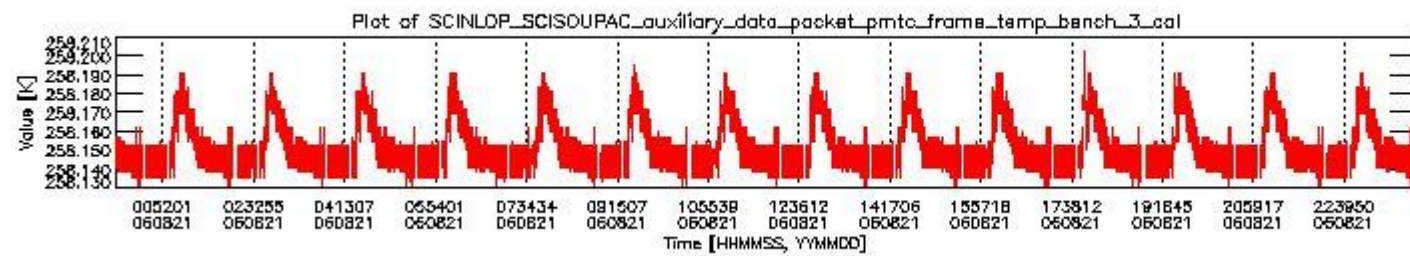
This section shows information about product quality, currently temperatures.



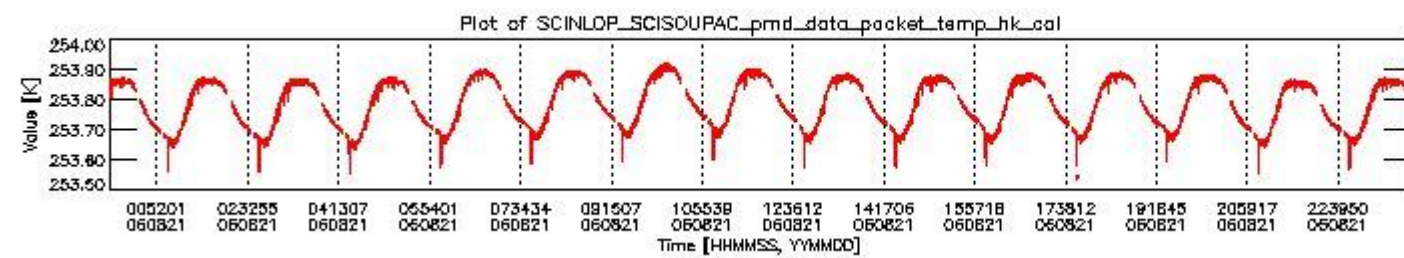
sciamachy_daily_report_level0_PFHS_5_37_N_20060821_0.PNG



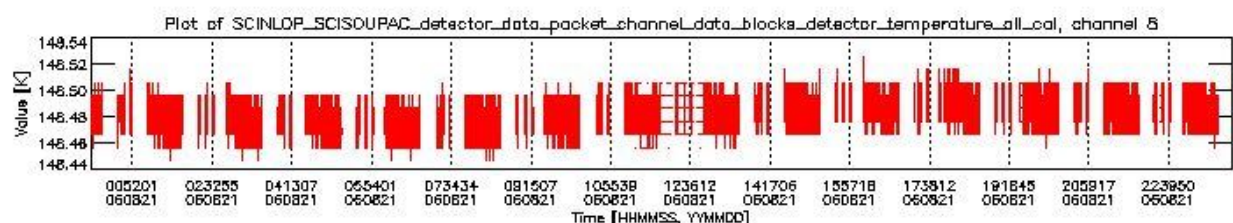
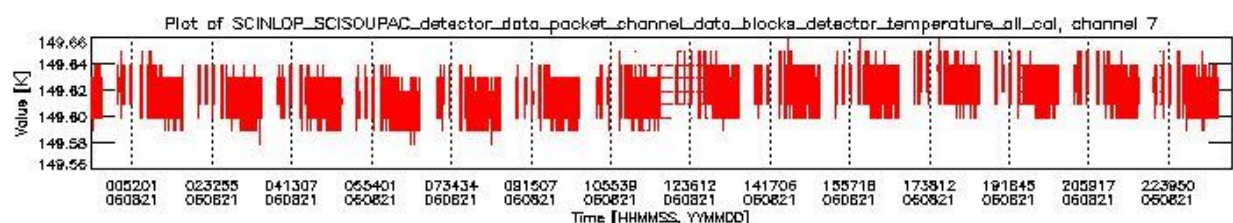
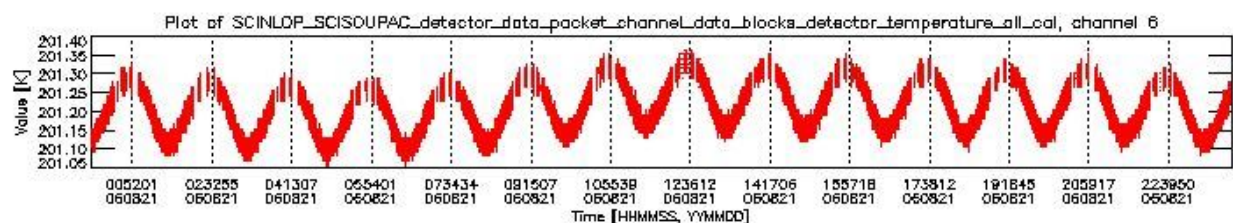
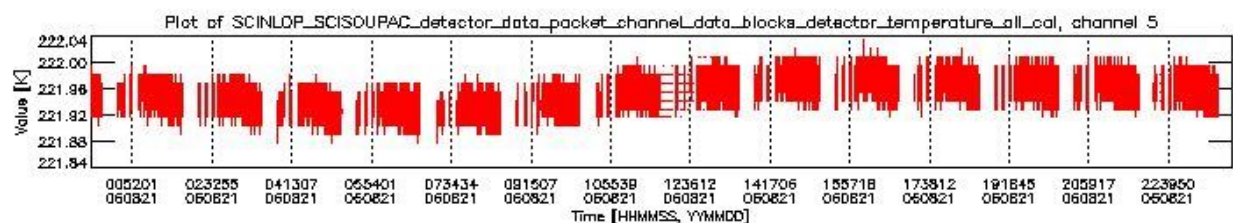
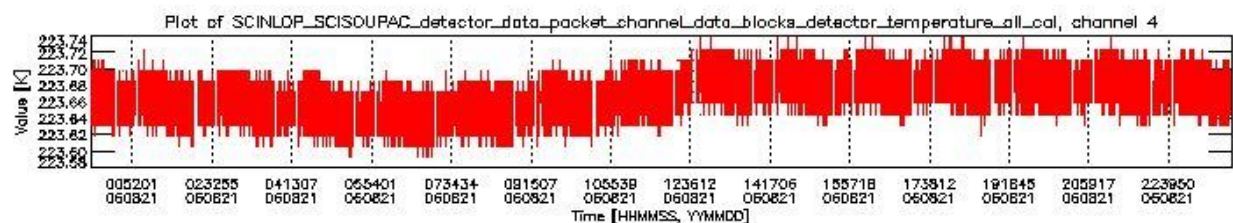
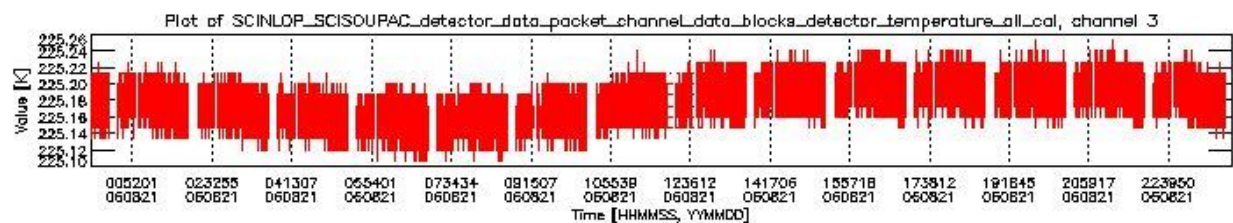
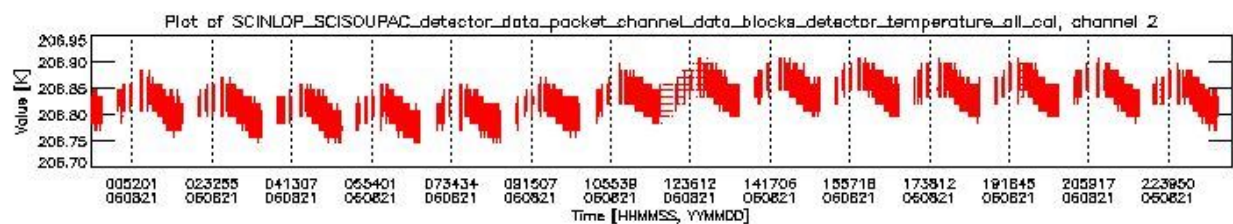
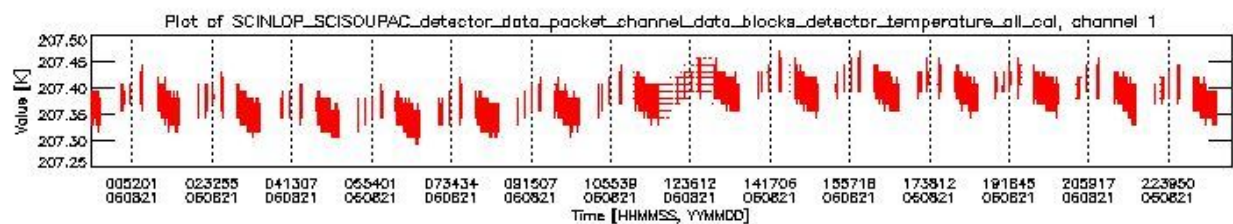
sciamachy_daily_report_level0_PFHS_5_37_N_20060821_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060821_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060821_3.PNG

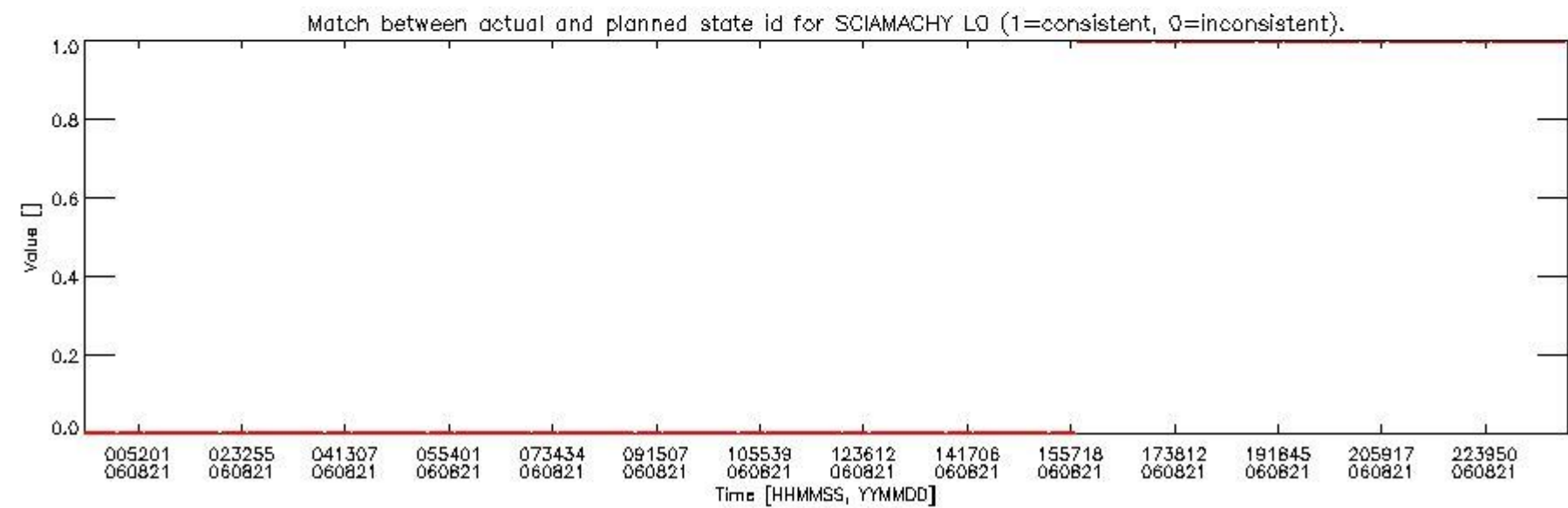
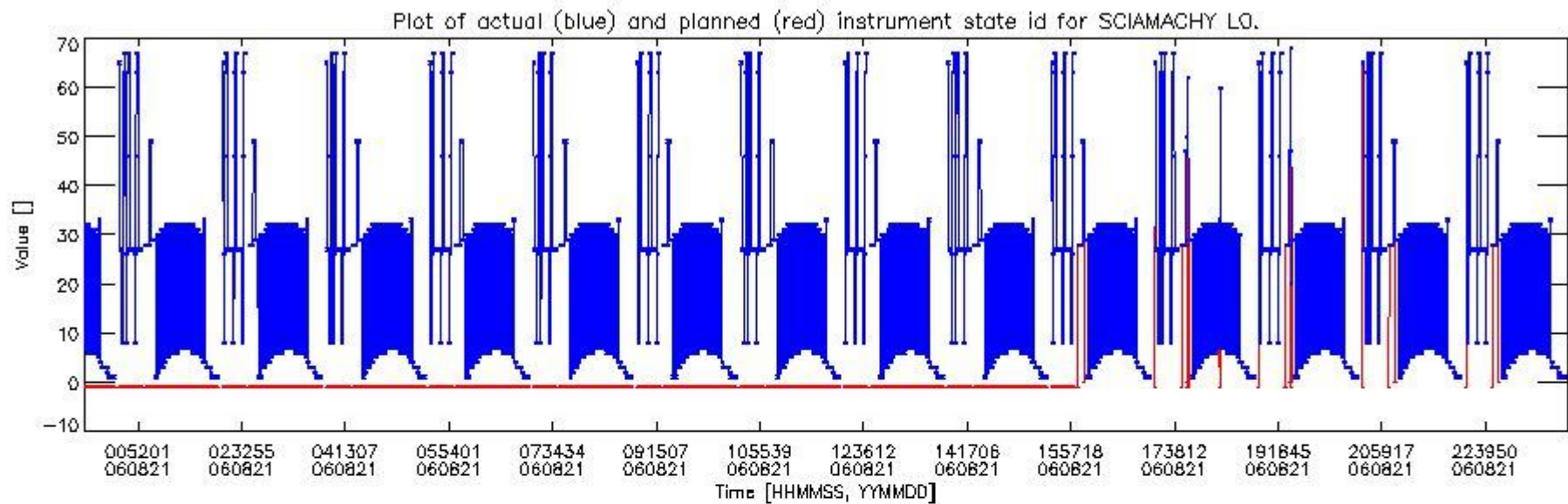


0.3 State monitoring

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: **252621**

#	Actual time	Actual value	Planned time	Planned value
0	21AUG2006 00:00:00.388089	32	21AUG2006 00:00:00.388089	-1
1	21AUG2006 00:00:00.763102	32	21AUG2006 00:00:00.763102	-1
2	21AUG2006 00:00:01.138075	32	21AUG2006 00:00:01.138075	-1
3	21AUG2006 00:00:01.513088	32	21AUG2006 00:00:01.513088	-1
4	21AUG2006 00:00:02.075587	32	21AUG2006 00:00:02.075587	-1
5	21AUG2006 00:00:02.450600	32	21AUG2006 00:00:02.450600	-1
6	21AUG2006 00:00:02.825573	32	21AUG2006 00:00:02.825573	-1
7	21AUG2006 00:00:03.200586	32	21AUG2006 00:00:03.200586	-1
8	21AUG2006 00:00:03.763086	32	21AUG2006 00:00:03.763086	-1
9	21AUG2006 00:00:04.138099	32	21AUG2006 00:00:04.138099	-1
10	21AUG2006 00:00:04.513071	32	21AUG2006 00:00:04.513071	-1
11	21AUG2006 00:00:04.888085	32	21AUG2006 00:00:04.888085	-1
12	21AUG2006 00:00:05.450584	32	21AUG2006 00:00:05.450584	-1
13	21AUG2006 00:00:05.825597	32	21AUG2006 00:00:05.825597	-1
14	21AUG2006 00:00:06.200570	32	21AUG2006 00:00:06.200570	-1
15	21AUG2006 00:00:06.575583	32	21AUG2006 00:00:06.575583	-1
16	21AUG2006 00:00:07.138082	32	21AUG2006 00:00:07.138082	-1
17	21AUG2006 00:00:07.513095	32	21AUG2006 00:00:07.513095	-1
18	21AUG2006 00:00:07.888068	32	21AUG2006 00:00:07.888068	-1
19	21AUG2006 00:00:08.200599	32	21AUG2006 00:00:08.200599	-1

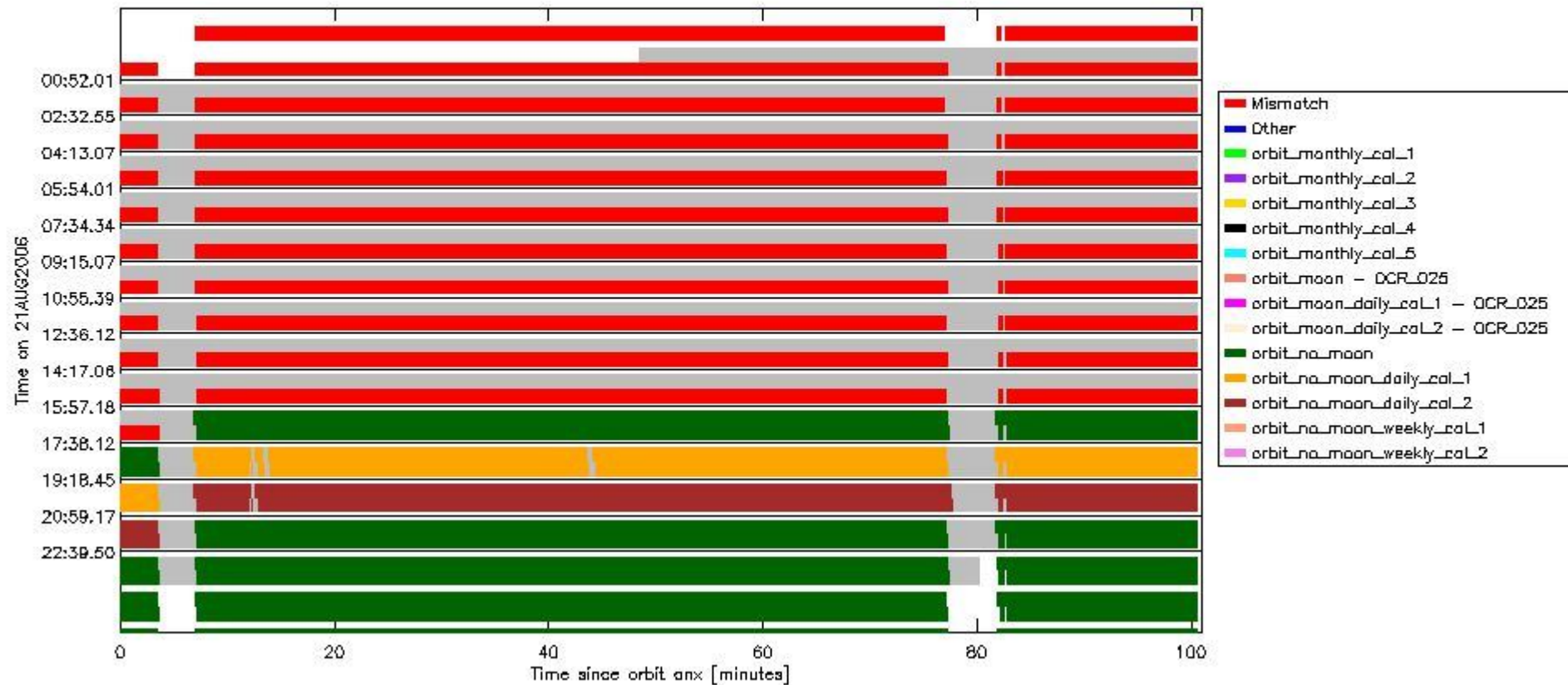


sciamachy_daily_report_level0_PFHS_5_37_N_20060821_5.PNG

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 21AUG2006.
 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_20060821_6.PNG

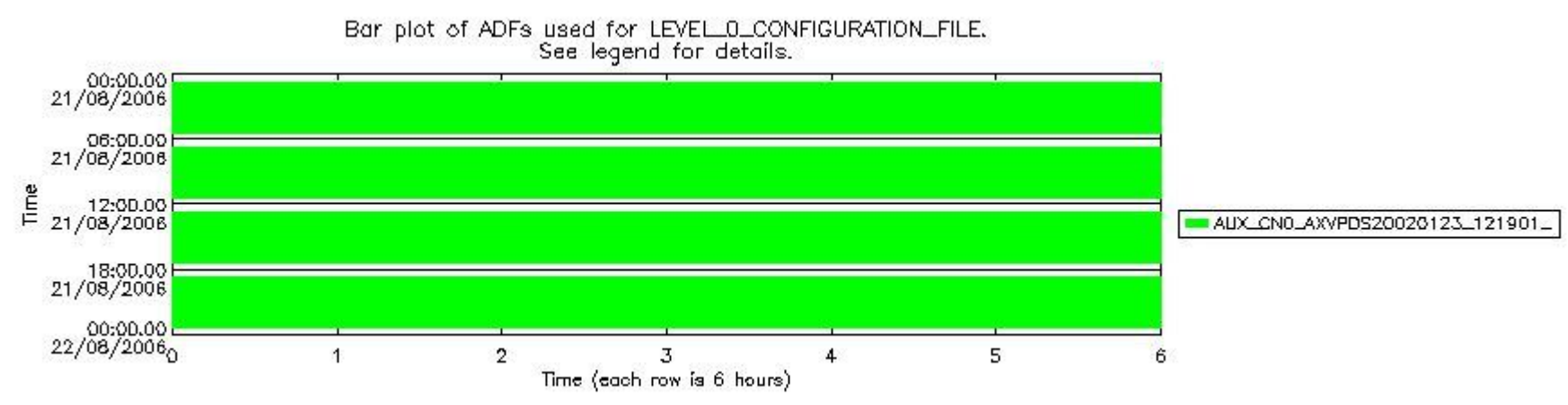
0.4 ADF monitoring

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

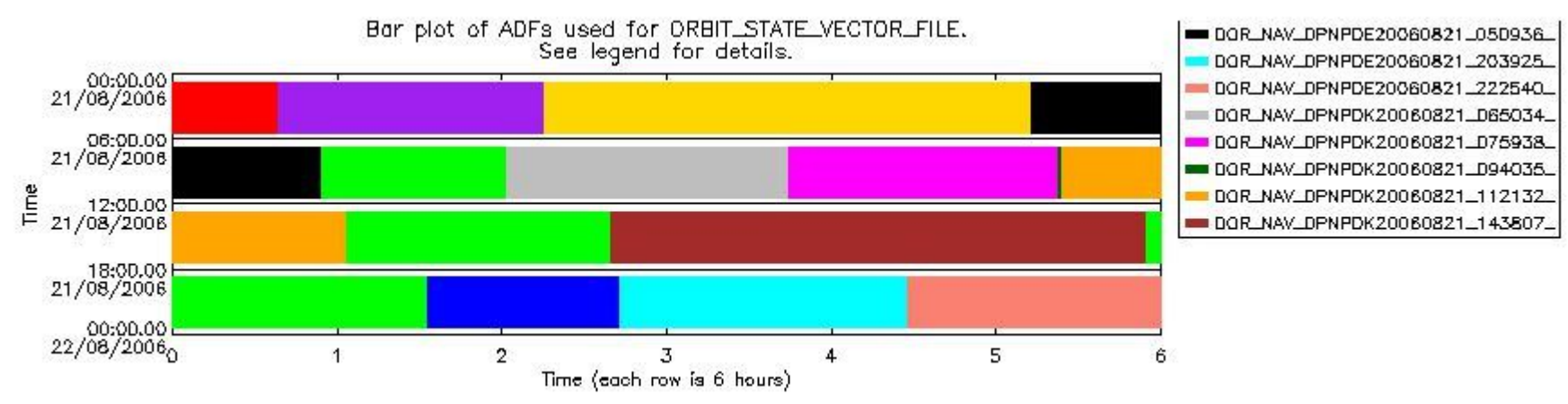
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

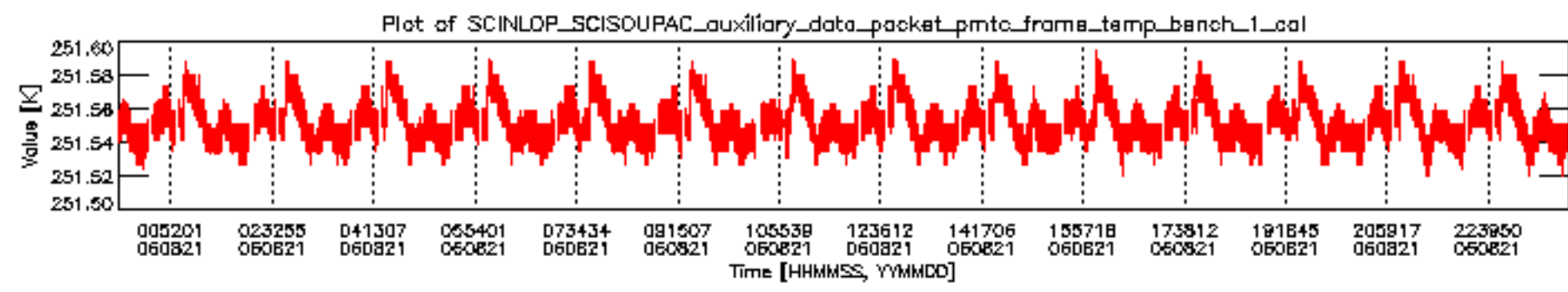
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20060820_230749_20060820_195019_20060830_211631
2	AUX_FPO_AXVPDS20060820_230816_20060820_195019_20060830_211631
3	DOR_NAV_OPNPDE20060820_211644_000057382050_00286_23386_0389.N1
4	DOR_NAV_OPNPDE20060820_225741_000057382050_00287_23387_0390.N1
5	DOR_NAV_OPNPDE20060821_021416_000041442050_00289_23389_0392.N1
6	DOR_NAV_OPNPDE20060821_050936_000057382050_00291_23391_0394.N1
7	DOR_NAV_OPNPDE20060821_203925_000060562050_00300_23400_0396.N1
8	DOR_NAV_OPNPDE20060821_222540_000057382050_00301_23401_0397.N1
9	DOR_NAV_OPNPDK20060821_065034_000038252050_00292_23392_0490.N1
10	DOR_NAV_OPNPDK20060821_075938_000057382050_00293_23393_0491.N1
11	DOR_NAV_OPNPDK20060821_094035_000057382050_00294_23394_0492.N1
12	DOR_NAV_OPNPDK20060821_112132_000057382050_00295_23395_0493.N1
13	DOR_NAV_OPNPDK20060821_143807_000054192050_00297_23397_0495.N1

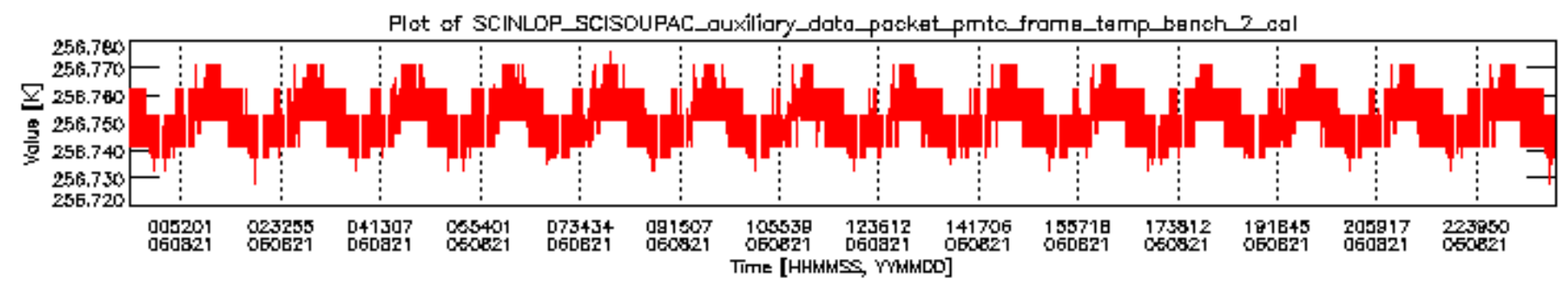


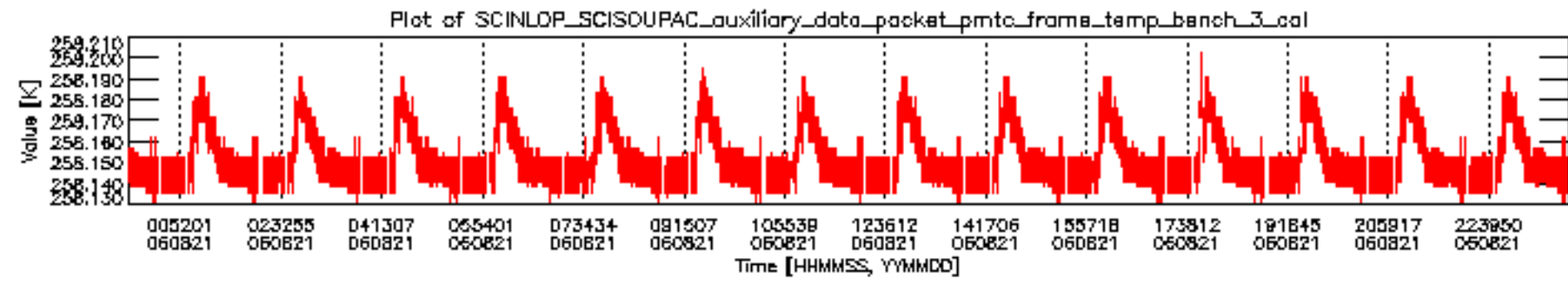
sciamachy_daily_report_level0_PFHS_5_37_N_20060821_7.PNG

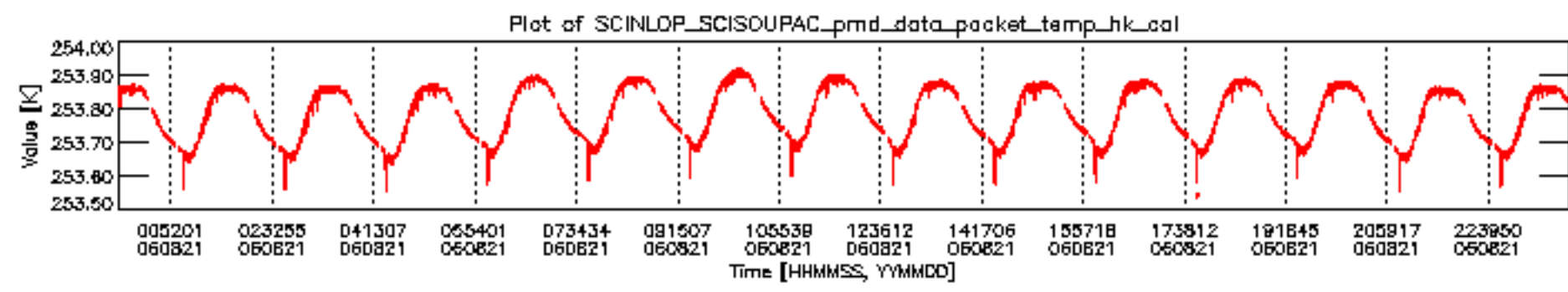


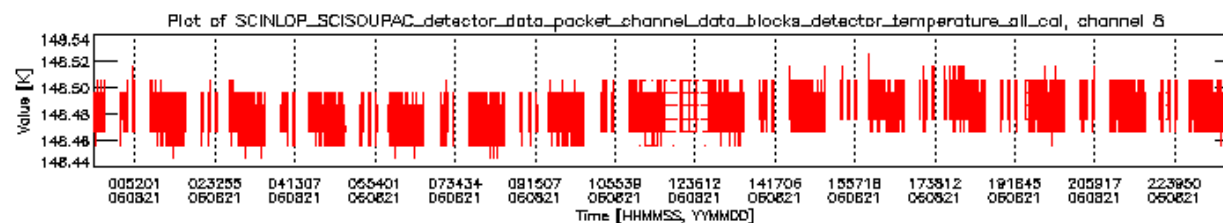
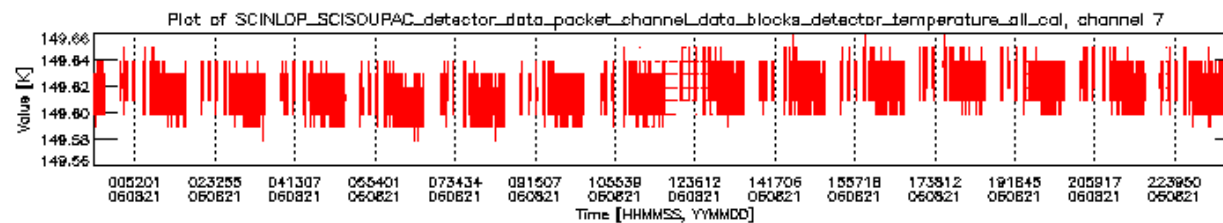
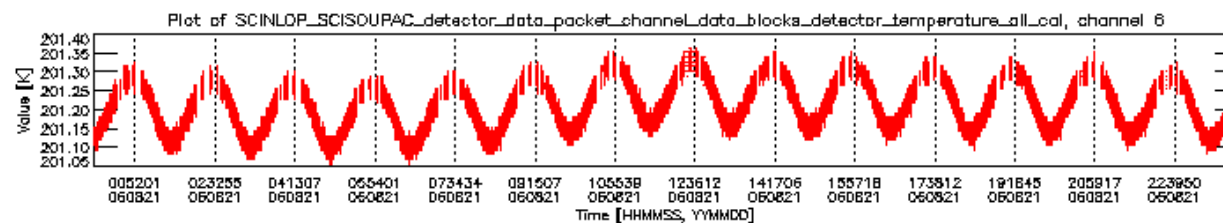
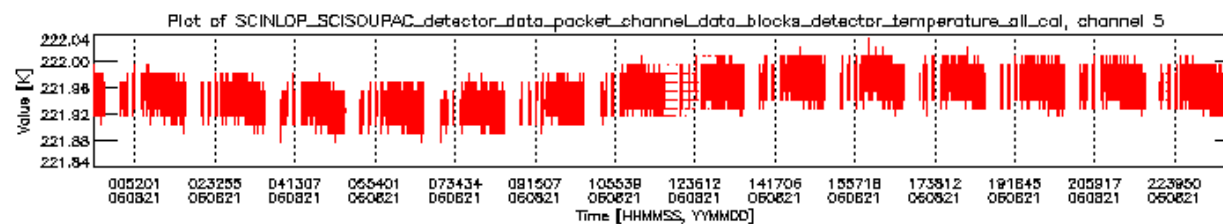
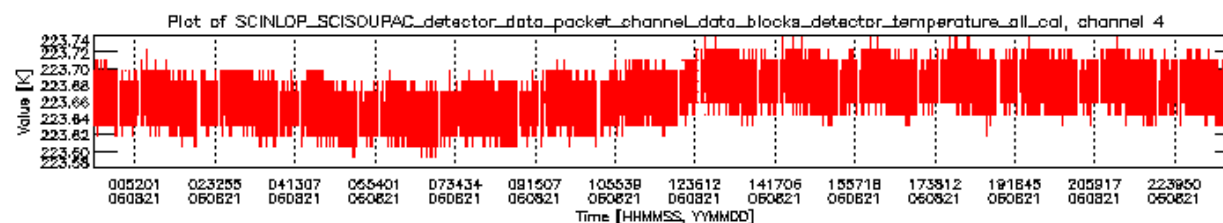
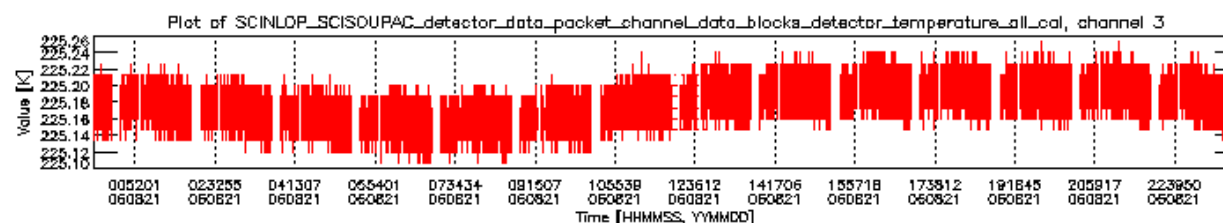
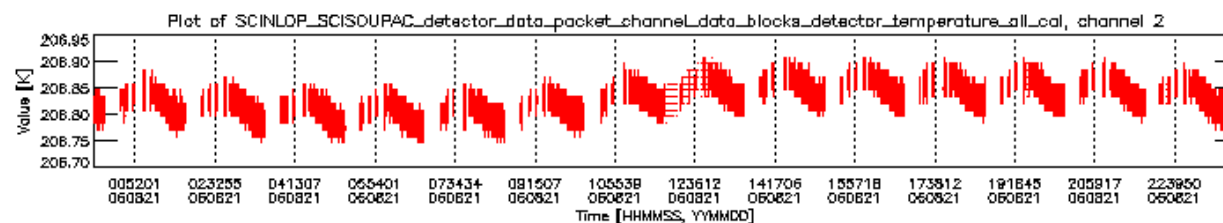
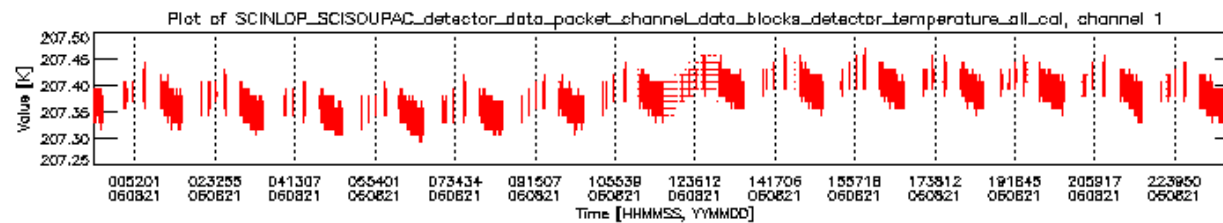
sciamachy_daily_report_level0_PFHS_5_37_N_20060821_8.PNG

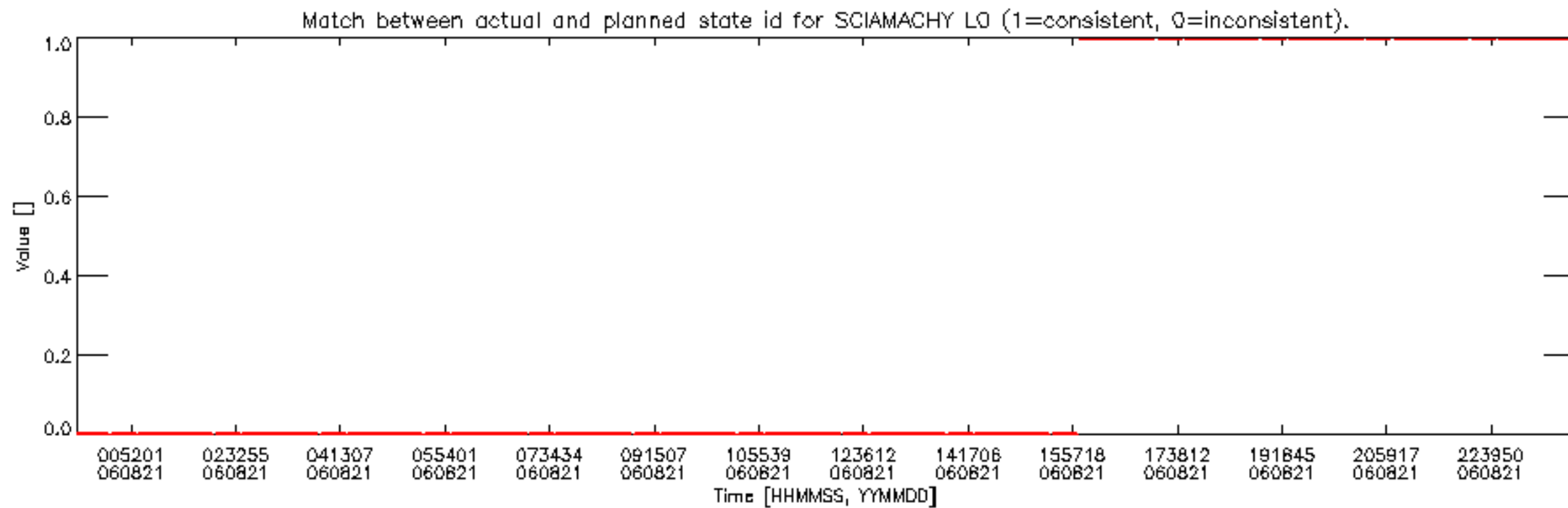
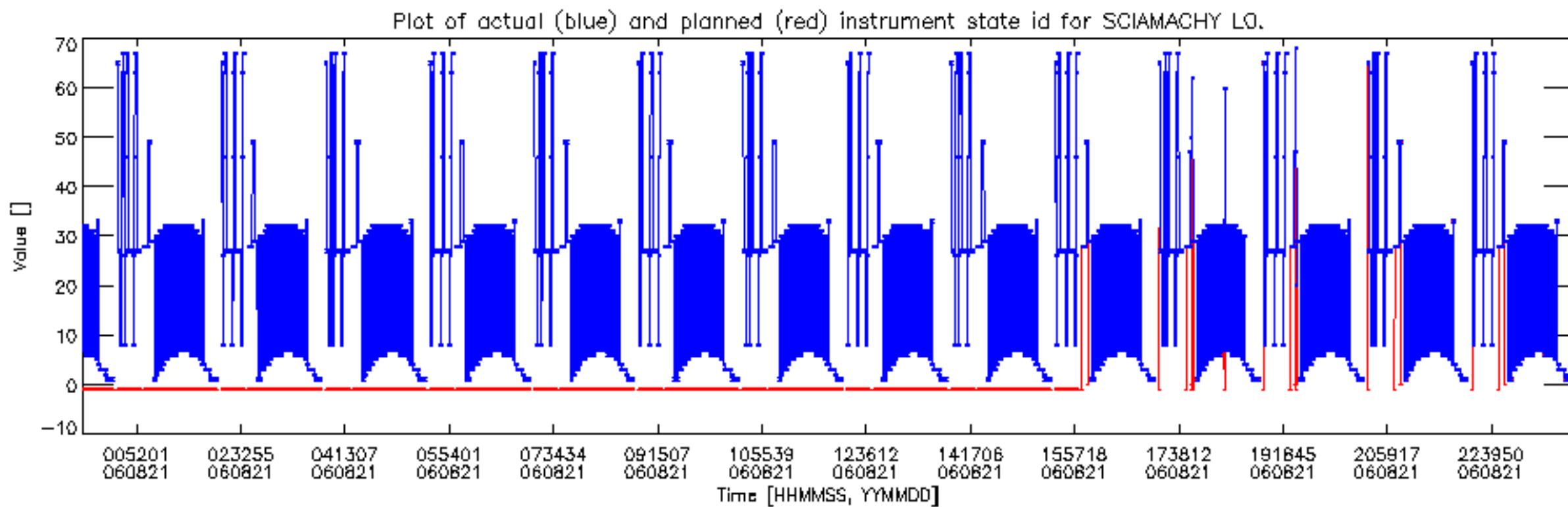












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 21AUG2006.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

