

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	29AUG2006 05:06:11
Data source version	PFHS/5.37-N
Processing scope for products	25AUG2006 00:00:00 to 26AUG2006 00:00:00
Start time of first product within scope	24AUG2006 22:32:26
Stop time of last product within scope	26AUG2006 01:21:34
Total number of level 0 products	16
Number of level 0 products with errors	16

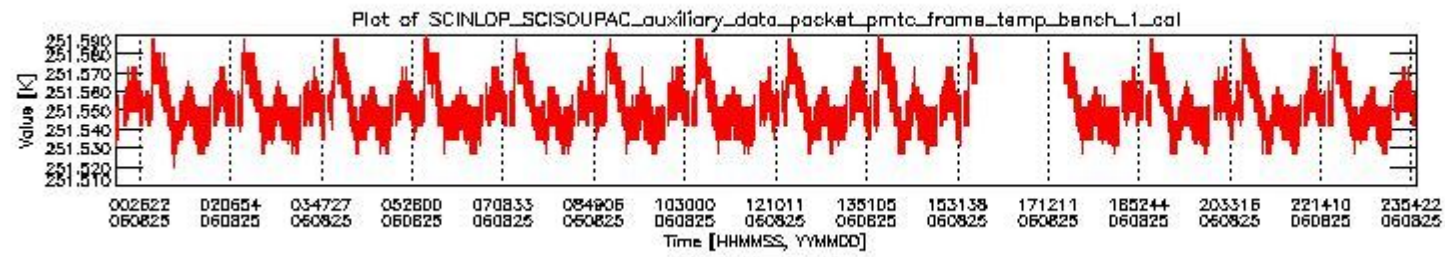
0.1.2 Summary per product

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

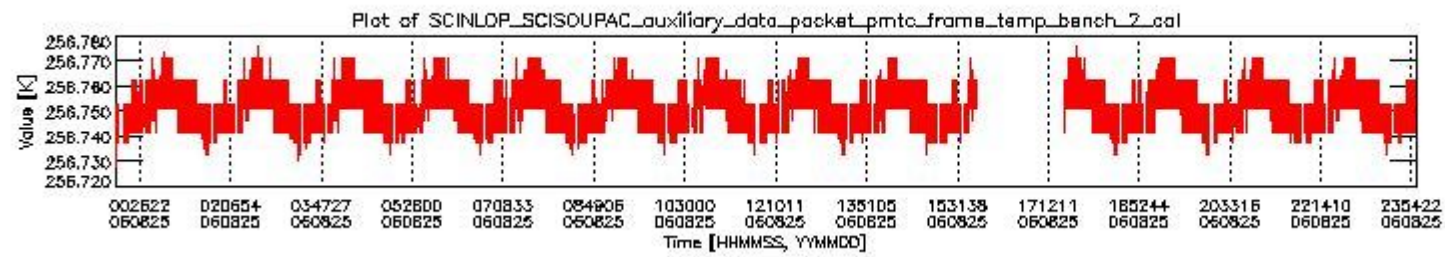
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060824_223226_000061192050_00344_23444_0427.N1	24AUG2006 22:32:26	25AUG2006 00:14:25	1	0	1	0	0
1	SCI_NL__OPNPDE20060825_001341_000058722050_00345_23445_0428.N1	25AUG2006 00:13:41	25AUG2006 01:51:34	1	0	1	0	0
2	SCI_NL__OPNPDE20060825_015050_000045502050_00346_23446_0429.N1	25AUG2006 01:50:50	25AUG2006 03:06:41	1	0	1	0	0
3	SCI_NL__OPNPDE20060825_030532_000061732050_00347_23447_0430.N1	25AUG2006 03:05:32	25AUG2006 04:48:26	1	0	1	0	0
4	SCI_NL__OPNPDE20060825_044826_000060232050_00348_23448_0431.N1	25AUG2006 04:48:26	25AUG2006 06:28:49	1	0	1	0	0
5	SCI_NL__OPNPDK20060825_062753_000041692050_00349_23449_0527.N1	25AUG2006 06:27:53	25AUG2006 07:37:23	1	0	1	0	0
6	SCI_NL__OPNPDK20060825_073723_000060362050_00350_23450_0528.N1	25AUG2006 07:37:23	25AUG2006 09:18:00	1	0	1	0	0
7	SCI_NL__OPNPDK20060825_091651_000060482050_00351_23451_0529.N1	25AUG2006 09:16:51	25AUG2006 10:57:40	1	0	1	0	0
8	SCI_NL__OPNPDK20060825_105740_000058992050_00352_23452_0536.N1	25AUG2006 10:57:40	25AUG2006 12:35:59	1	0	1	0	0
9	SCI_NL__OPNPDK20060825_123559_000059802050_00353_23453_0534.N1	25AUG2006 12:35:59	25AUG2006 14:15:40	1	0	1	0	0
10	SCI_NL__OPNPDK20060825_141444_000058432050_00354_23454_0535.N1	25AUG2006 14:14:44	25AUG2006 15:52:07	1	0	1	0	0
11	SCI_NL__OPNPDK20060825_172925_000059492050_00356_23456_0532.N1	25AUG2006 17:29:25	25AUG2006 19:08:35	1	0	1	0	0
12	SCI_NL__OPNPDK20060825_190739_000060722050_00357_23457_0533.N1	25AUG2006 19:07:39	25AUG2006 20:48:52	1	0	1	0	0
13	SCI_NL__OPNPDE20060825_204756_000043452050_00358_23458_0433.N1	25AUG2006 20:47:56	25AUG2006 22:00:22	1	0	1	0	0
14	SCI_NL__OPNPDE20060825_215851_000062002050_00358_23458_0434.N1	25AUG2006 21:58:51	25AUG2006 23:42:11	1	0	1	0	0
15	SCI_NL__OPNPDE20060825_234127_000060072050_00359_23459_0435.N1	25AUG2006 23:41:27	26AUG2006 01:21:34	1	0	1	0	0

0.2 Product Quality Indicators

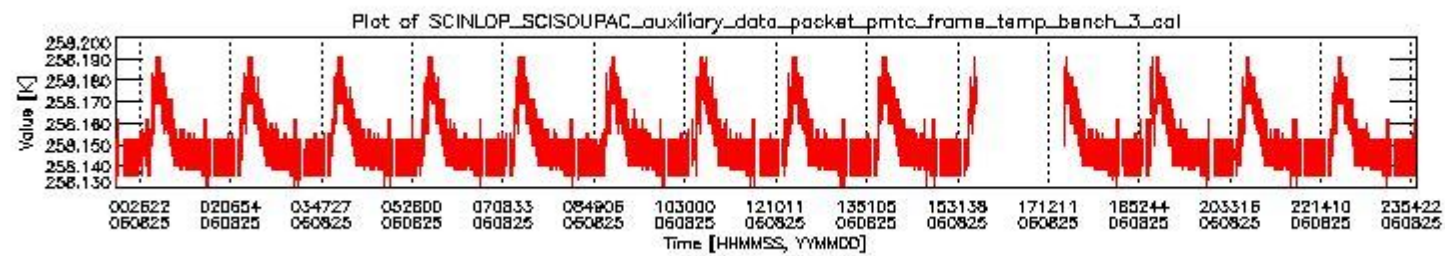
This section shows information about product quality, currently temperatures.



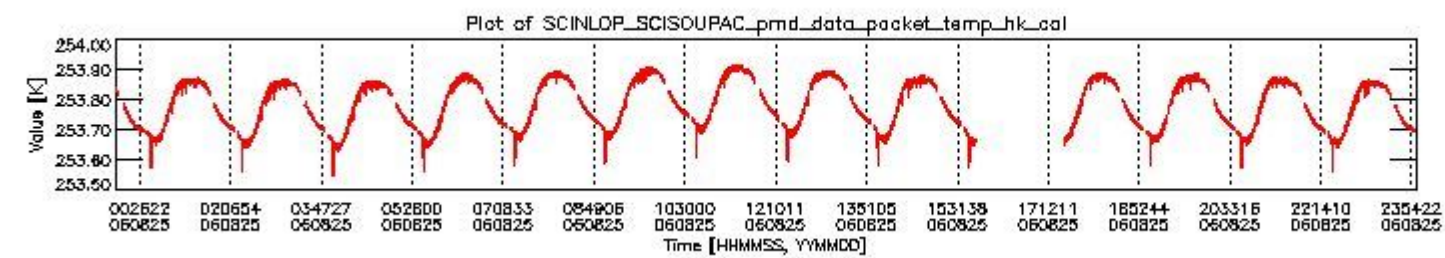
sciamachy_daily_report_level0_PFHS_5_37_N_20060825_0.PNG



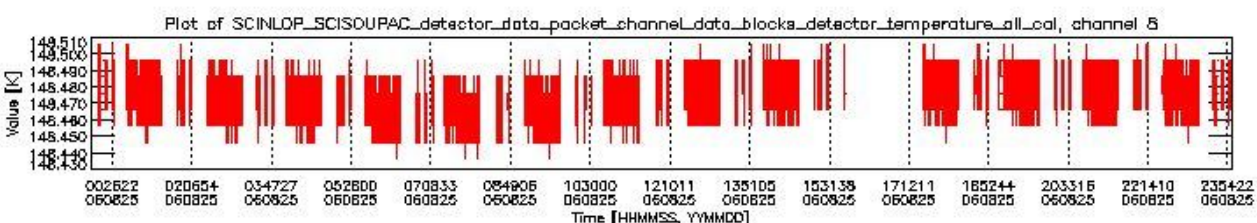
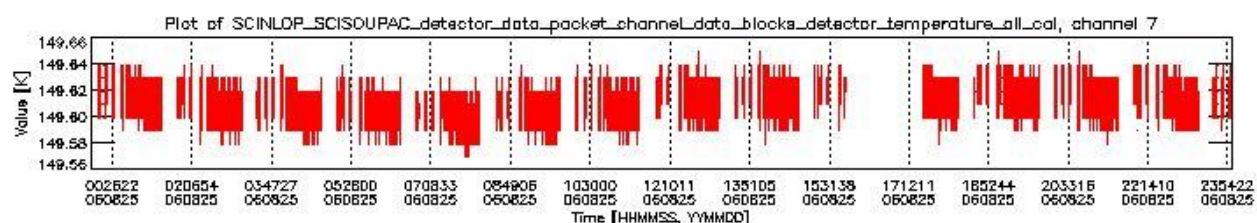
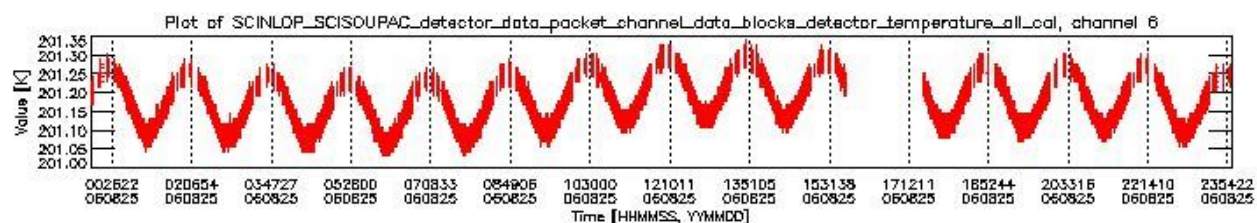
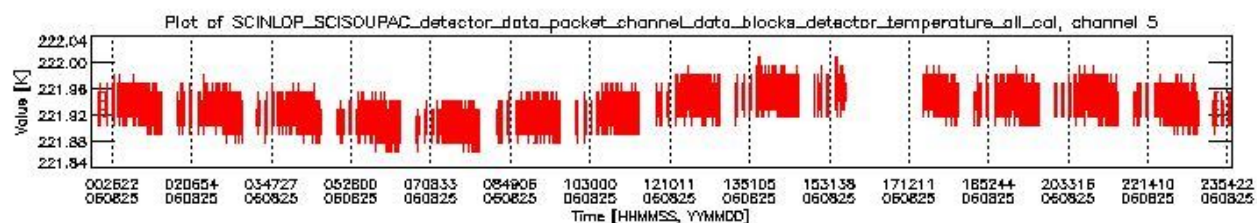
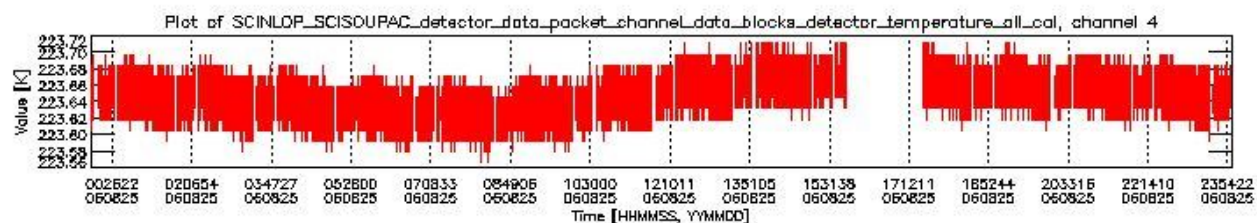
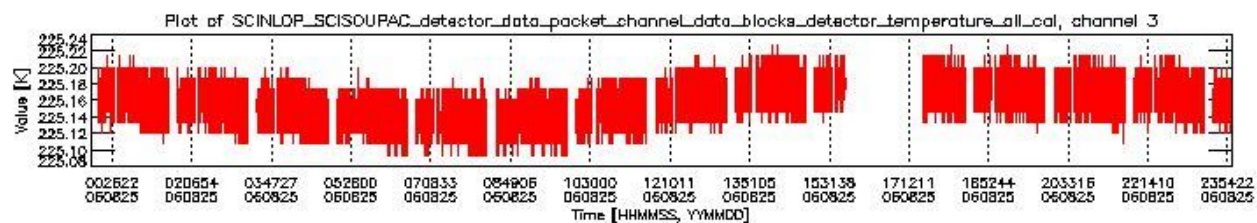
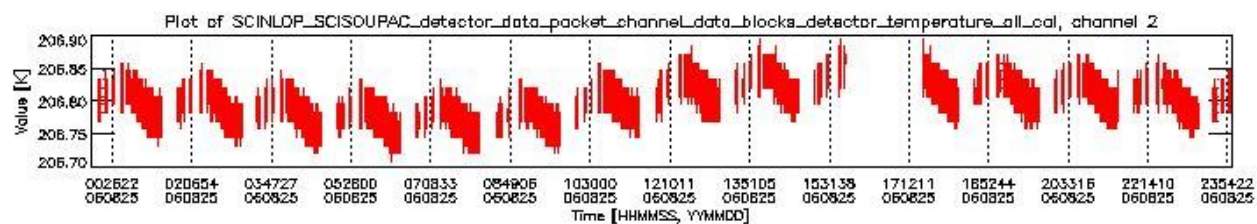
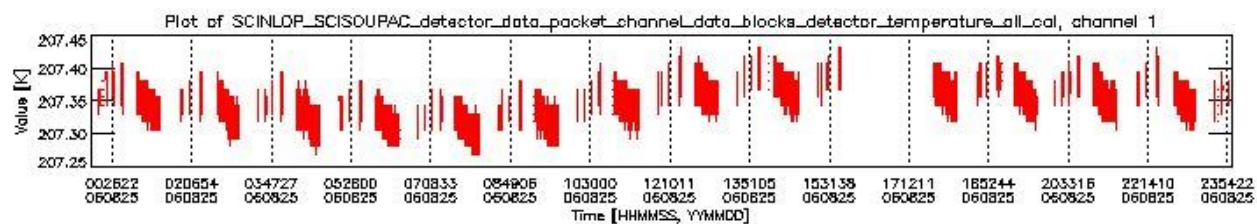
sciamachy_daily_report_level0_PFHS_5_37_N_20060825_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060825_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060825_3.PNG

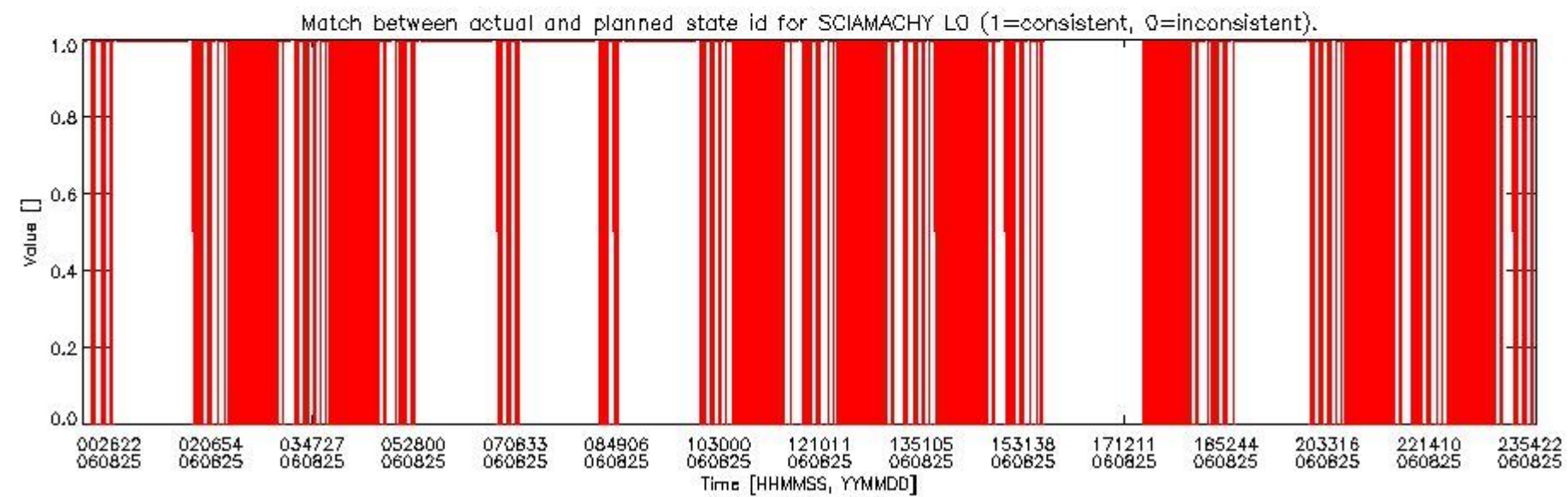
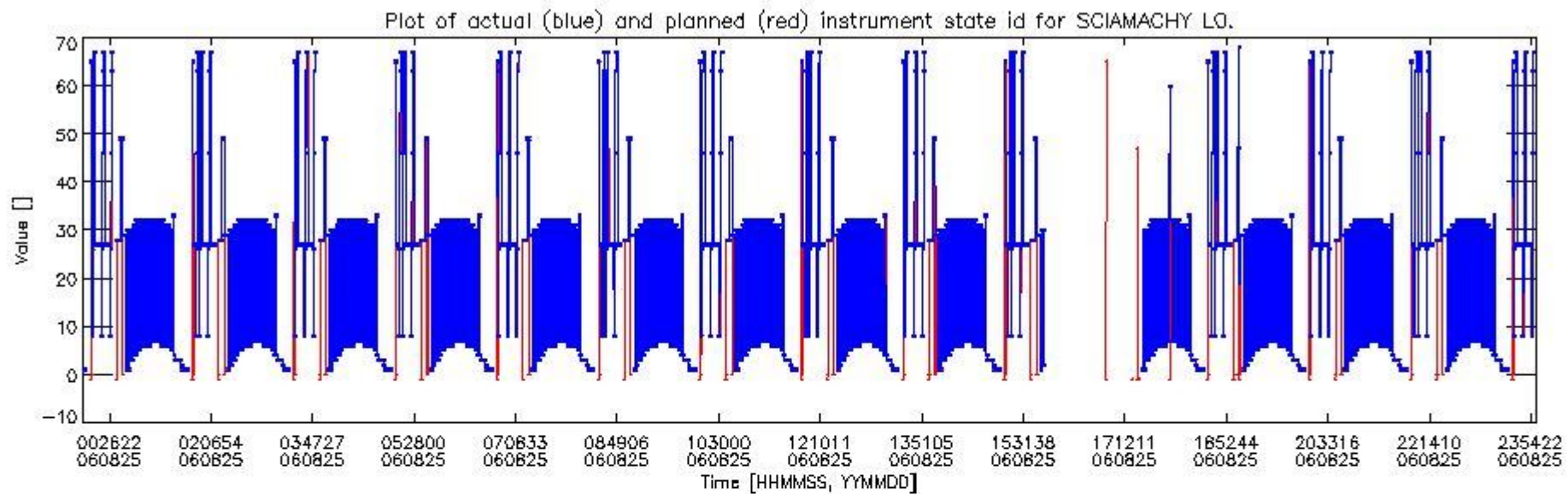


0.3 State monitoring

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: **848**

#	Actual time	Actual value	Planned time	Planned value
0	25AUG2006 00:08:45.920382	8	25AUG2006 00:08:45.920382	0
1	25AUG2006 00:09:29.482890	26	25AUG2006 00:09:29.482890	8
2	25AUG2006 00:10:03.041509	46	25AUG2006 00:10:03.041509	26
3	25AUG2006 00:10:16.596173	63	25AUG2006 00:10:16.596173	46
4	25AUG2006 00:10:50.154752	67	25AUG2006 00:10:50.154752	63
5	25AUG2006 00:10:50.404760	67	25AUG2006 00:10:50.404760	63
6	25AUG2006 00:10:50.529765	67	25AUG2006 00:10:50.529765	63
7	25AUG2006 00:12:13.721186	27	25AUG2006 00:12:13.721186	67
8	25AUG2006 00:18:06.189884	8	25AUG2006 00:18:06.189884	27
9	25AUG2006 00:18:49.748489	26	25AUG2006 00:18:49.748489	8
10	25AUG2006 00:19:23.307068	46	25AUG2006 00:19:23.307068	26
11	25AUG2006 00:19:36.865675	63	25AUG2006 00:19:36.865675	46
12	25AUG2006 00:20:10.424253	67	25AUG2006 00:20:10.424253	63
13	25AUG2006 00:20:10.674262	67	25AUG2006 00:20:10.674262	63
14	25AUG2006 00:20:10.799266	67	25AUG2006 00:20:10.799266	63
15	25AUG2006 00:21:33.986745	27	25AUG2006 00:21:33.986745	67
16	25AUG2006 00:26:42.396901	8	25AUG2006 00:26:42.396901	27
17	25AUG2006 00:27:25.955506	26	25AUG2006 00:27:25.955506	8
18	25AUG2006 00:27:59.510182	46	25AUG2006 00:27:59.510182	26
19	25AUG2006 00:28:13.068789	63	25AUG2006 00:28:13.068789	46

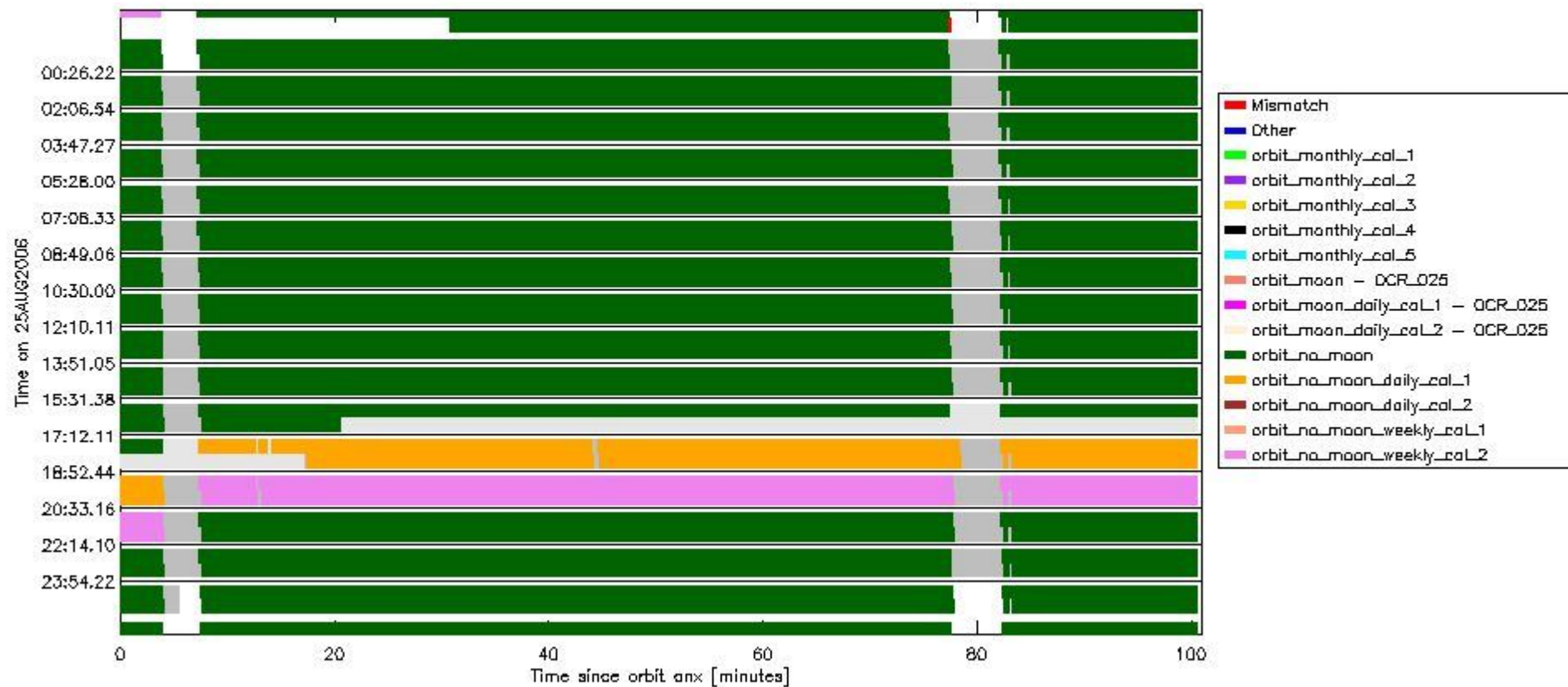


sciamachy_daily_report_level0_PFHS_5_37_N_20060825_5.PNG

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 25AUG2006.
 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_20060825_6.PNG

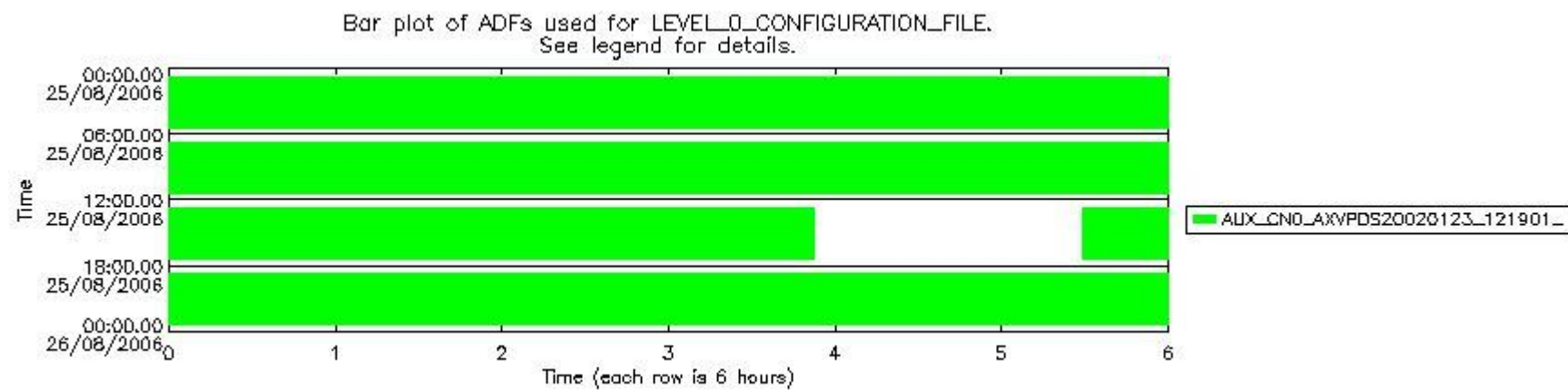
0.4 ADF monitoring

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

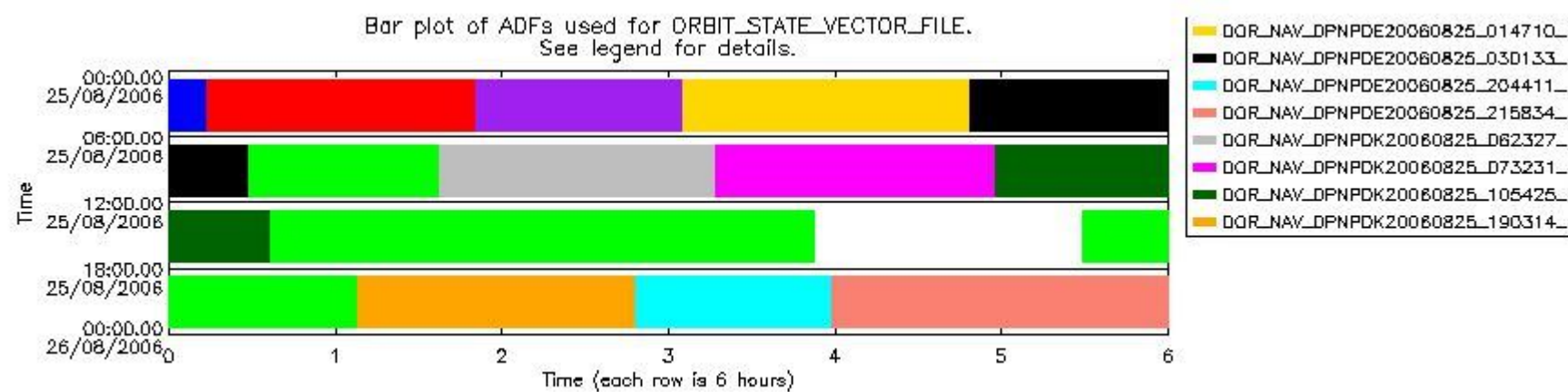
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

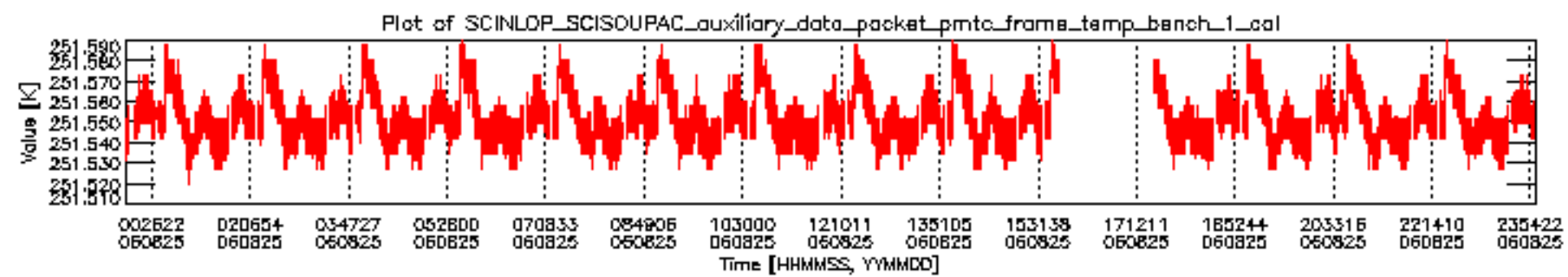
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20060824_224703_20060824_192426_20060903_205038
2	DOR_NAV_OPNPDE20060824_204419_000060562050_00343_23443_0417.N1
3	DOR_NAV_OPNPDE20060824_223034_000057382050_00344_23444_0418.N1
4	DOR_NAV_OPNPDE20060825_001131_000054192050_00345_23445_0419.N1
5	DOR_NAV_OPNPDE20060825_014710_000041442050_00346_23446_0420.N1
6	DOR_NAV_OPNPDE20060825_030133_000060572050_00347_23447_0421.N1
7	DOR_NAV_OPNPDE20060825_204411_000041442050_00358_23458_0423.N1
8	DOR_NAV_OPNPDE20060825_215834_000057382050_00358_23458_0424.N1
9	DOR_NAV_OPNPDK20060825_062327_000038252050_00349_23449_0531.N1
10	DOR_NAV_OPNPDK20060825_073231_000057382050_00350_23450_0532.N1
11	DOR_NAV_OPNPDK20060825_105425_000057382050_00352_23452_0534.N1
12	DOR_NAV_OPNPDK20060825_190314_000057382050_00357_23457_0536.N1

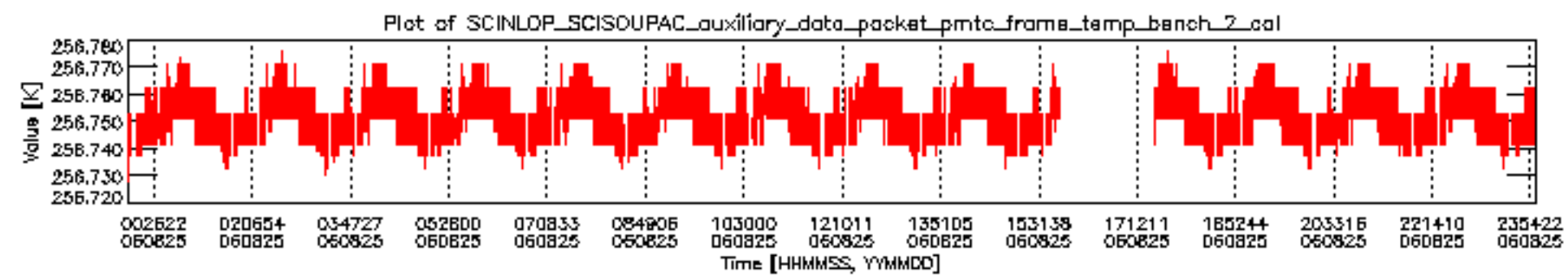


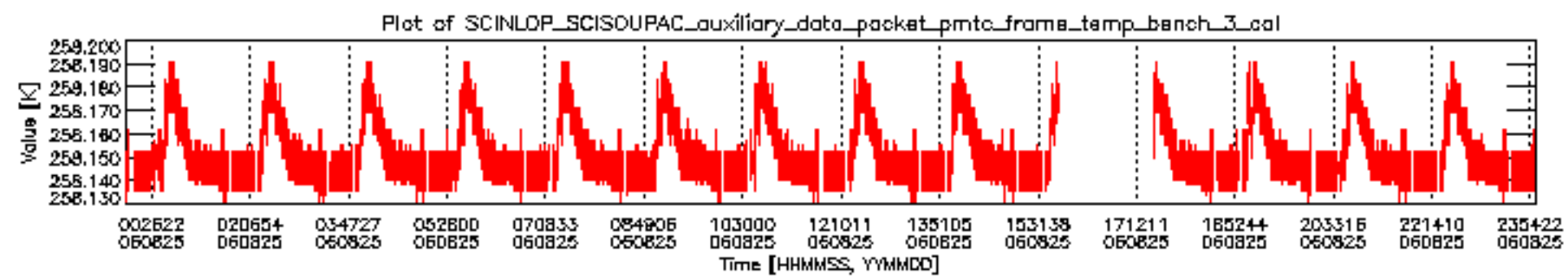
sciamachy_daily_report_level0_PFHS_5_37_N_20060825_7.PNG

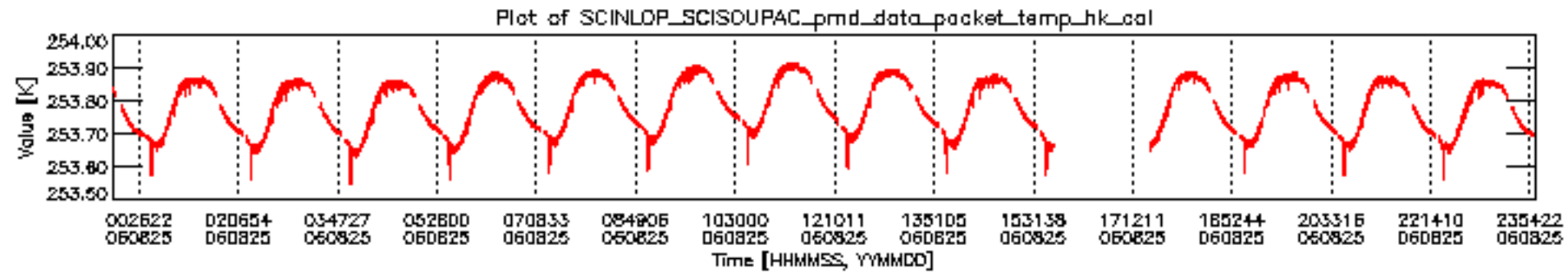


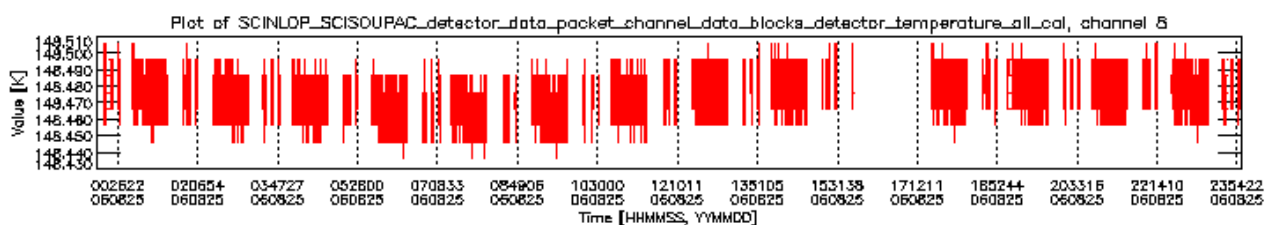
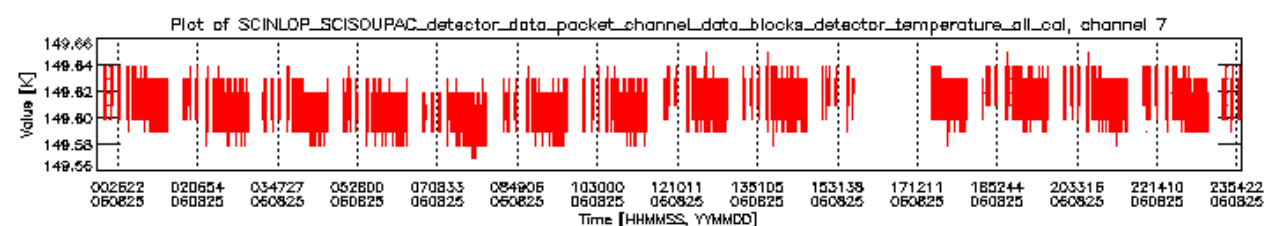
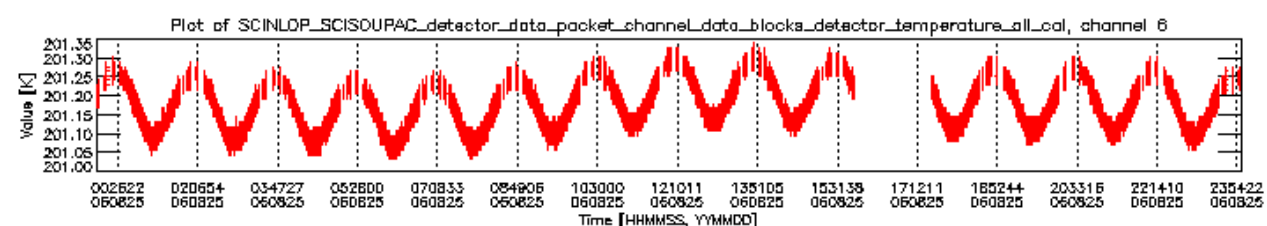
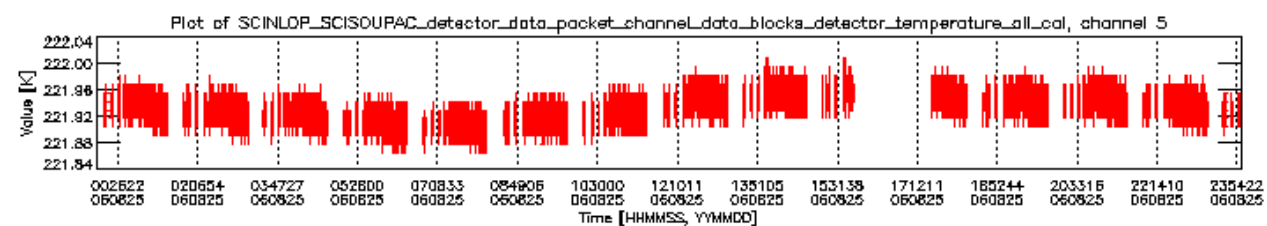
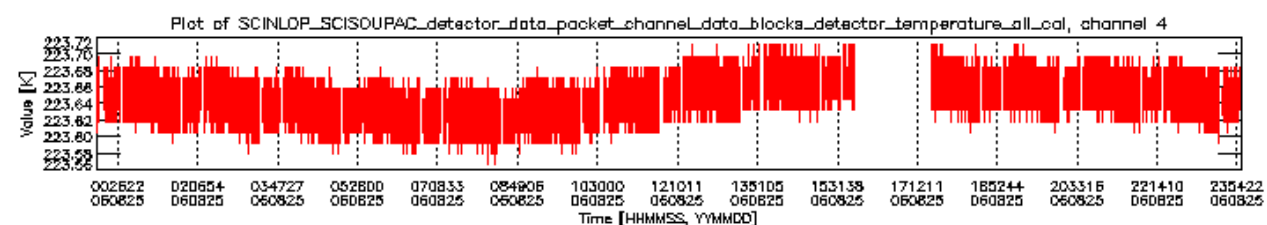
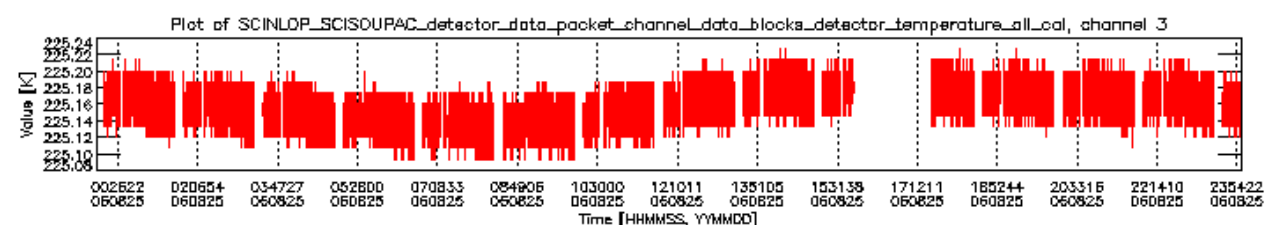
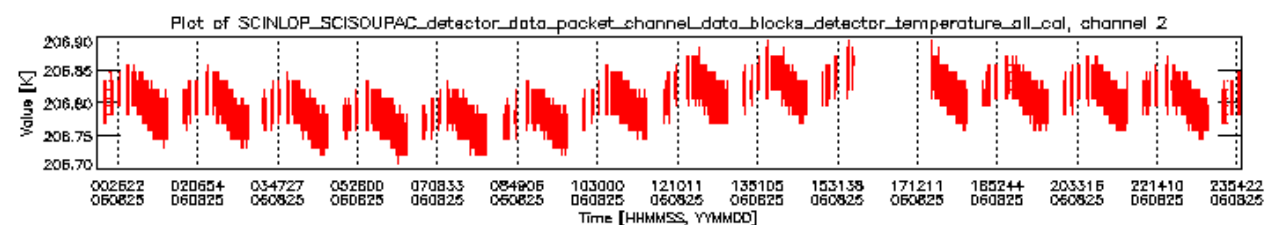
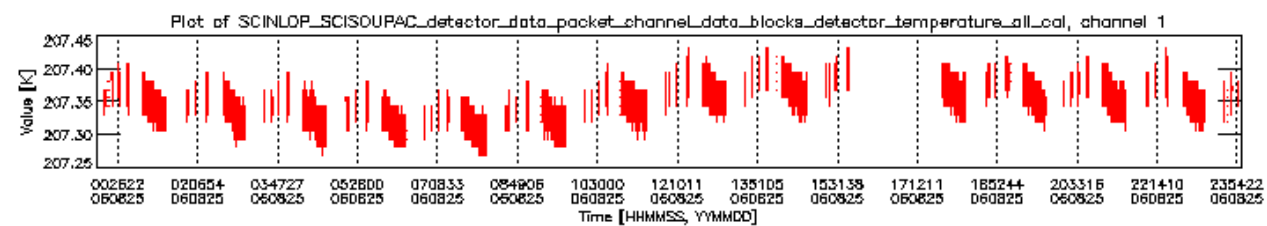
sciamachy_daily_report_level0_PFHS_5_37_N_20060825_8.PNG

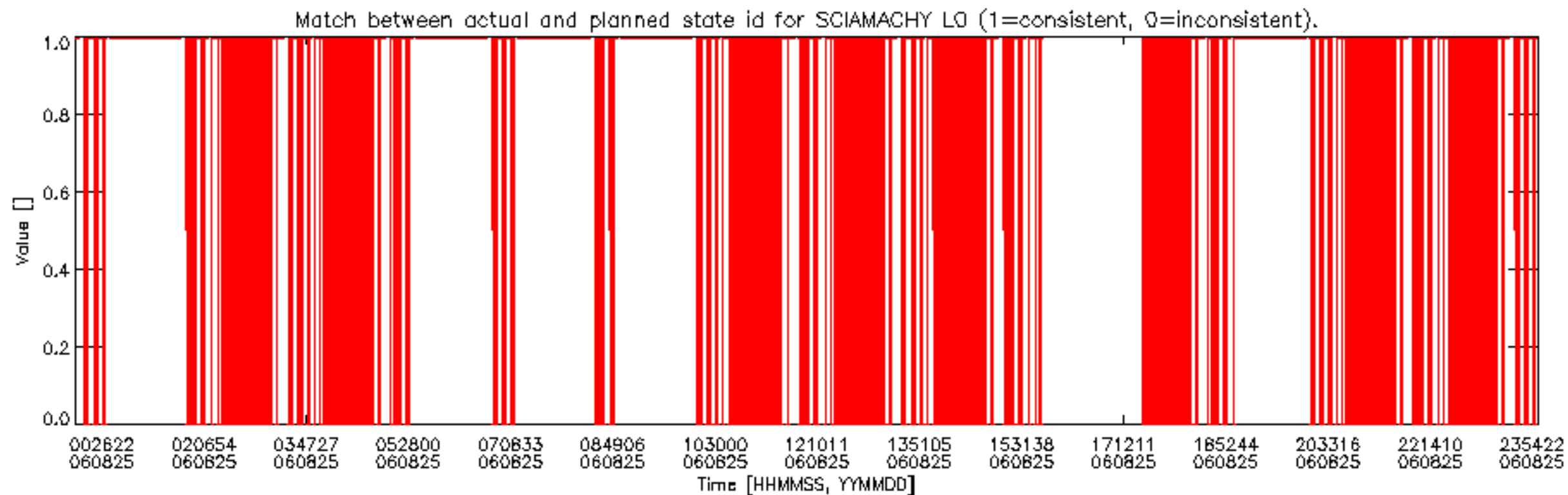
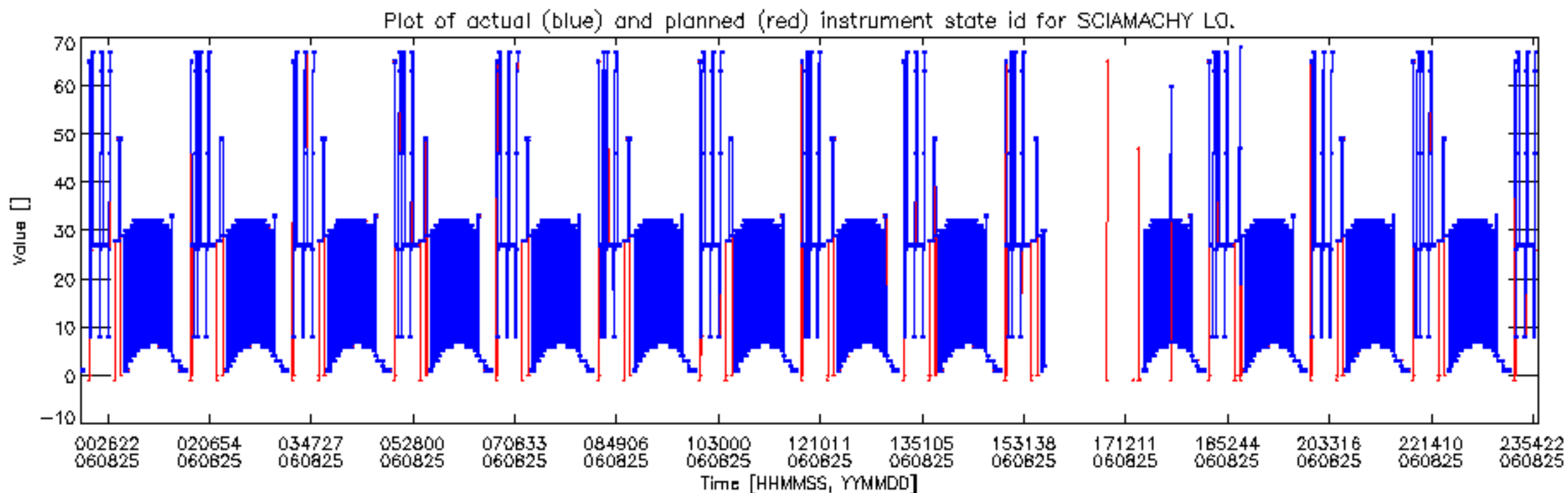












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 25AUG2006.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

