

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	05SEP2006 05:09:34
Data source version	PFHS/5.37-N
Processing scope for products	01SEP2006 00:00:00 to 02SEP2006 00:00:00
Start time of first product within scope	31AUG2006 23:53:38
Stop time of last product within scope	02SEP2006 01:02:48
Total number of level 0 products	16
Number of level 0 products with errors	16

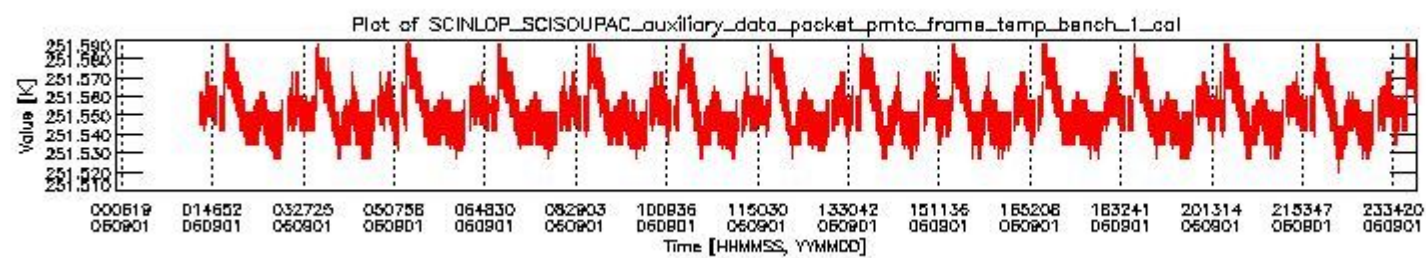
0.1.2 Summary per product

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

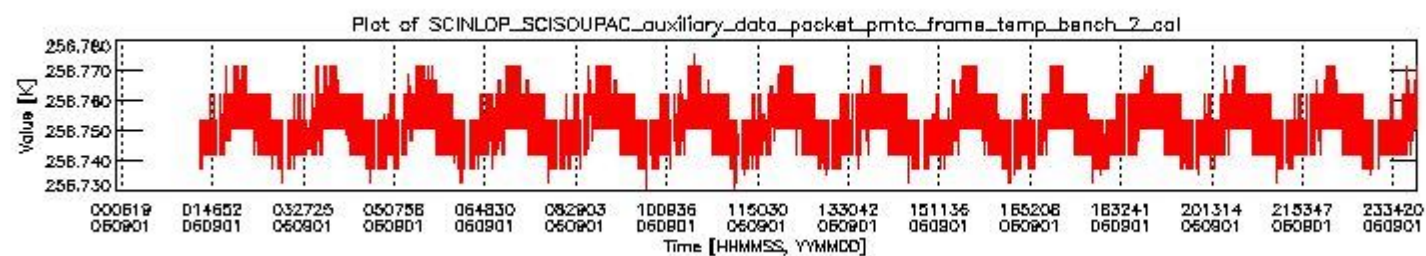
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060831_235338_000059602050_00445_23545_0483.N1	31AUG2006 23:53:38	01SEP2006 01:32:58	1	0	1	0	0
1	SCI_NL__OPNPDE20060901_013214_000044352050_00446_23546_0484.N1	01SEP2006 01:32:14	01SEP2006 02:46:10	1	0	1	0	0
2	SCI_NL__OPNPDE20060901_024610_000061042050_00447_23547_0485.N1	01SEP2006 02:46:10	01SEP2006 04:27:55	1	0	1	0	0
3	SCI_NL__OPNPDE20060901_042755_000060922050_00448_23548_0486.N1	01SEP2006 04:27:55	01SEP2006 06:09:27	1	0	1	0	0
4	SCI_NL__OPNPDK20060901_060832_000041142050_00449_23549_0599.N1	01SEP2006 06:08:32	01SEP2006 07:17:06	1	0	1	0	0
5	SCI_NL__OPNPDK20060901_071706_000061482050_00450_23550_0600.N1	01SEP2006 07:17:06	01SEP2006 08:59:34	1	0	1	0	0
6	SCI_NL__OPNPDK20060901_085838_000059672050_00451_23551_0601.N1	01SEP2006 08:58:38	01SEP2006 10:38:06	1	0	1	0	0
7	SCI_NL__OPNPDK20060901_103806_000059802050_00452_23552_0602.N1	01SEP2006 10:38:06	01SEP2006 12:17:46	1	0	1	0	0
8	SCI_NL__OPNPDK20060901_121638_000059802050_00453_23553_0603.N1	01SEP2006 12:16:38	01SEP2006 13:56:18	1	0	1	0	0
9	SCI_NL__OPNPDK20060901_135522_000058992050_00454_23554_0604.N1	01SEP2006 13:55:22	01SEP2006 15:33:42	1	0	1	0	0
10	SCI_NL__OPNPDK20060901_153246_000059062050_00455_23555_0605.N1	01SEP2006 15:32:46	01SEP2006 17:11:12	1	0	1	0	0
11	SCI_NL__OPNPDK20060901_171004_000059492050_00456_23556_0606.N1	01SEP2006 17:10:04	01SEP2006 18:49:13	1	0	1	0	0
12	SCI_NL__OPNPDK20060901_184818_000061282050_00457_23557_0607.N1	01SEP2006 18:48:18	01SEP2006 20:30:26	1	0	1	0	0
13	SCI_NL__OPNPDE20060901_202930_000043252050_00458_23558_0487.N1	01SEP2006 20:29:30	01SEP2006 21:41:36	1	0	1	0	0
14	SCI_NL__OPNPDE20060901_214049_000060782050_00458_23558_0488.N1	01SEP2006 21:40:49	01SEP2006 23:22:07	1	0	1	0	0
15	SCI_NL__OPNPDE20060901_232123_000060842050_00459_23559_0489.N1	01SEP2006 23:21:23	02SEP2006 01:02:48	1	0	1	0	0

0.2 Product Quality Indicators

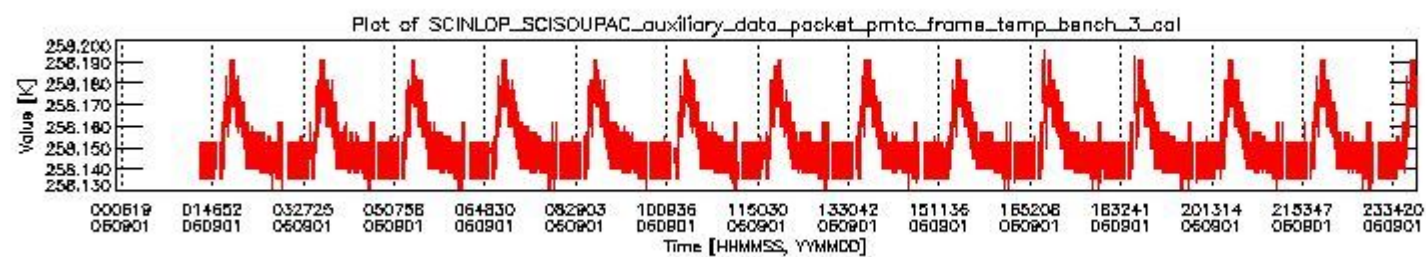
This section shows information about product quality, currently temperatures.



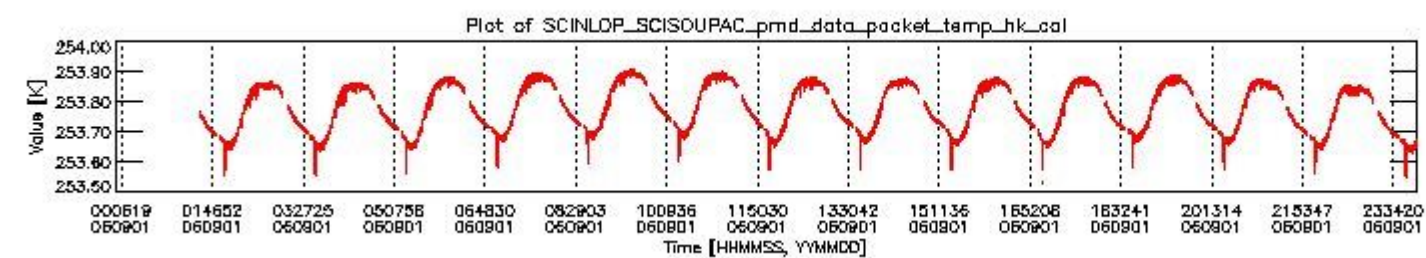
sciamachy_daily_report_level0_PFHS_5_37_N_20060901_0.PNG



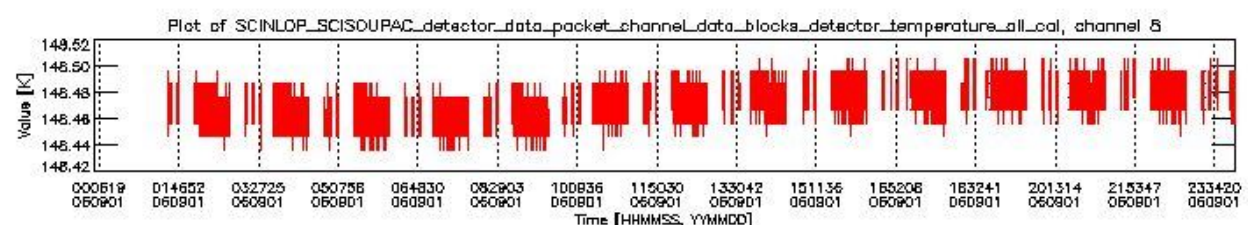
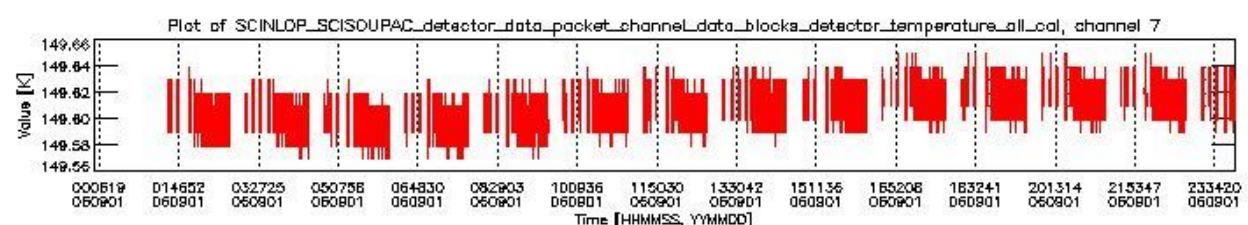
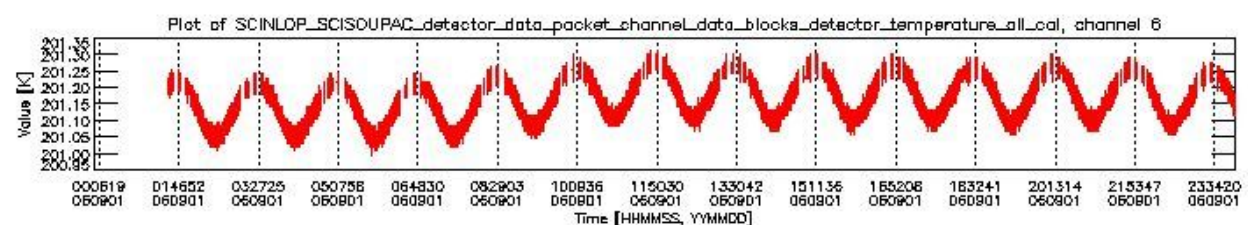
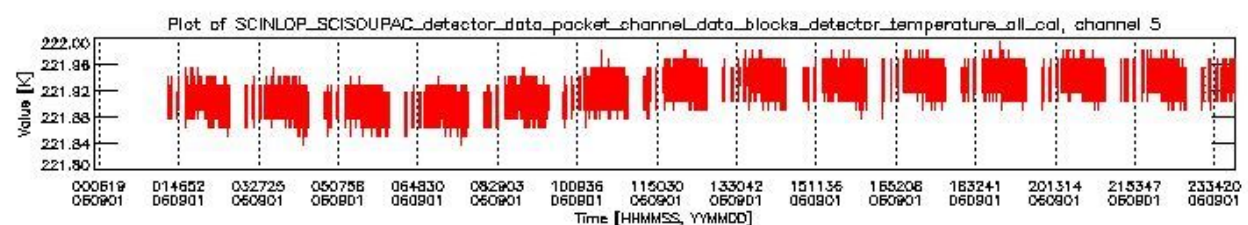
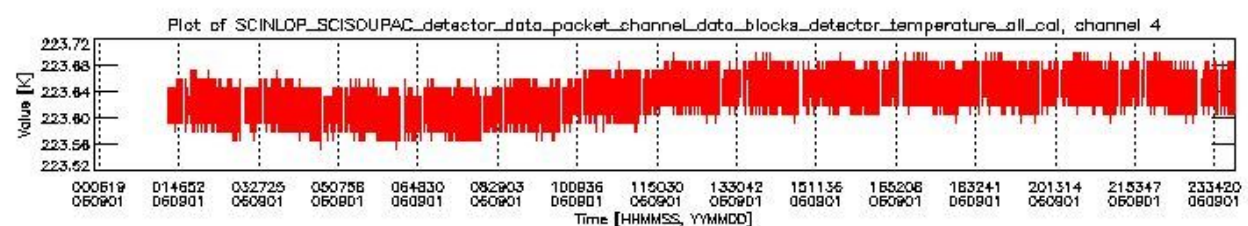
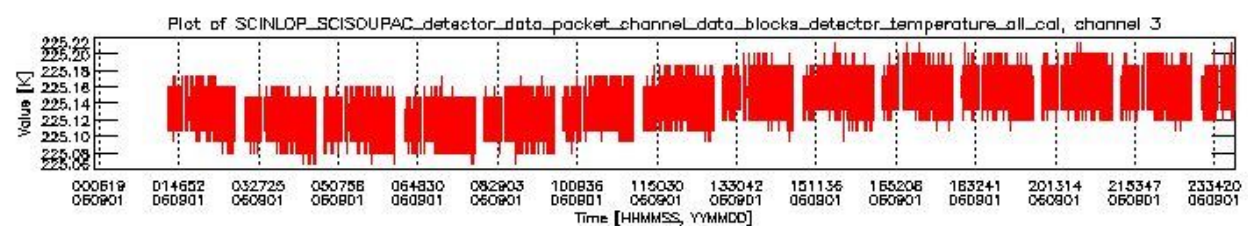
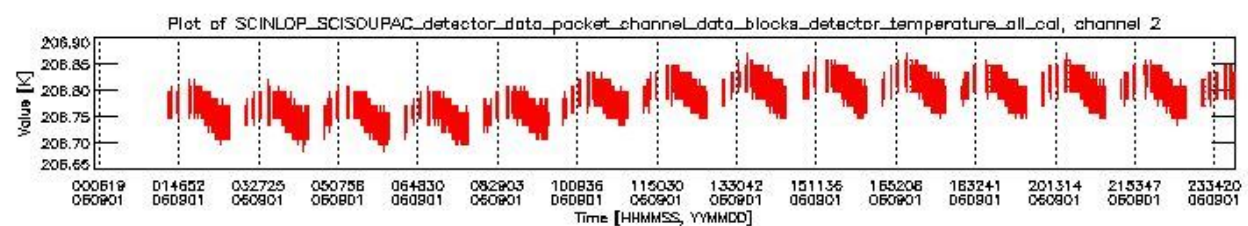
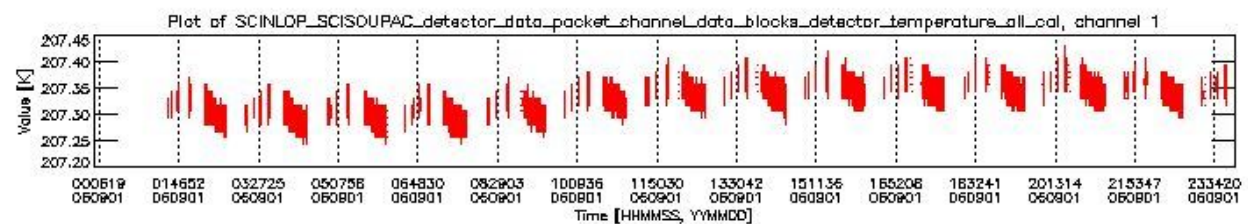
sciamachy_daily_report_level0_PFHS_5_37_N_20060901_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060901_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060901_3.PNG

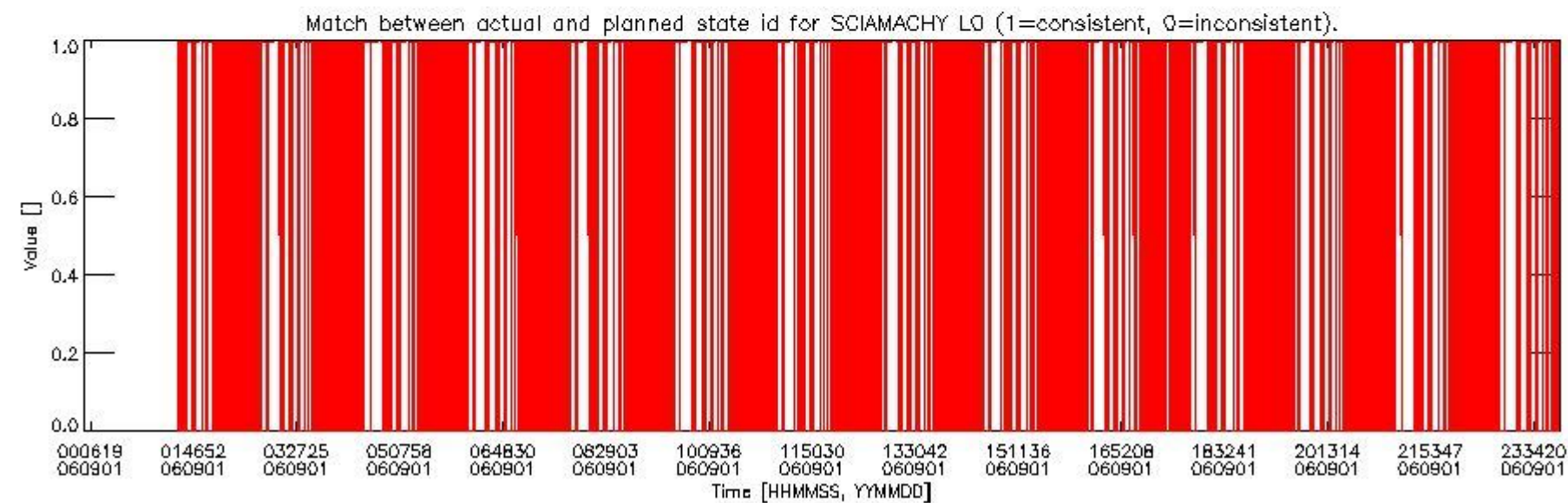
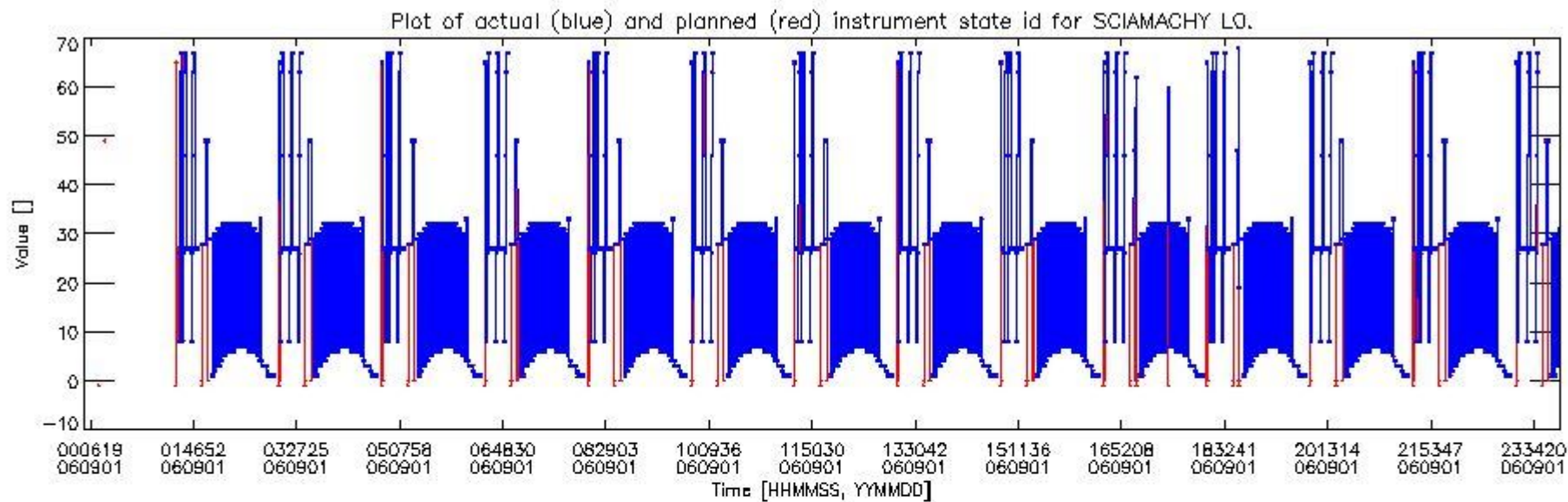


0.3 State monitoring

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: **6584**

#	Actual time	Actual value	Planned time	Planned value
0	01SEP2006 01:32:14.770663	8	01SEP2006 01:32:14.770663	27
1	01SEP2006 01:32:15.895662	8	01SEP2006 01:32:15.895662	27
2	01SEP2006 01:32:58.329268	26	01SEP2006 01:32:58.329268	8
3	01SEP2006 01:32:58.954250	26	01SEP2006 01:32:58.954250	8
4	01SEP2006 01:32:59.454267	26	01SEP2006 01:32:59.454267	8
5	01SEP2006 01:32:59.954244	26	01SEP2006 01:32:59.954244	8
6	01SEP2006 01:33:31.887847	46	01SEP2006 01:33:31.887847	26
7	01SEP2006 01:33:32.512828	46	01SEP2006 01:33:32.512828	26
8	01SEP2006 01:33:33.012846	46	01SEP2006 01:33:33.012846	26
9	01SEP2006 01:33:33.512863	46	01SEP2006 01:33:33.512863	26
10	01SEP2006 01:33:45.442551	63	01SEP2006 01:33:45.442551	46
11	01SEP2006 01:33:46.067533	63	01SEP2006 01:33:46.067533	46
12	01SEP2006 01:33:46.567550	63	01SEP2006 01:33:46.567550	46
13	01SEP2006 01:33:47.067527	63	01SEP2006 01:33:47.067527	46
14	01SEP2006 01:34:19.005032	67	01SEP2006 01:34:19.005032	63
15	01SEP2006 01:34:19.255041	67	01SEP2006 01:34:19.255041	63
16	01SEP2006 01:34:19.380046	67	01SEP2006 01:34:19.380046	63
17	01SEP2006 01:34:19.505050	67	01SEP2006 01:34:19.505050	63
18	01SEP2006 01:34:19.630014	67	01SEP2006 01:34:19.630014	63
19	01SEP2006 01:34:19.755018	67	01SEP2006 01:34:19.755018	63

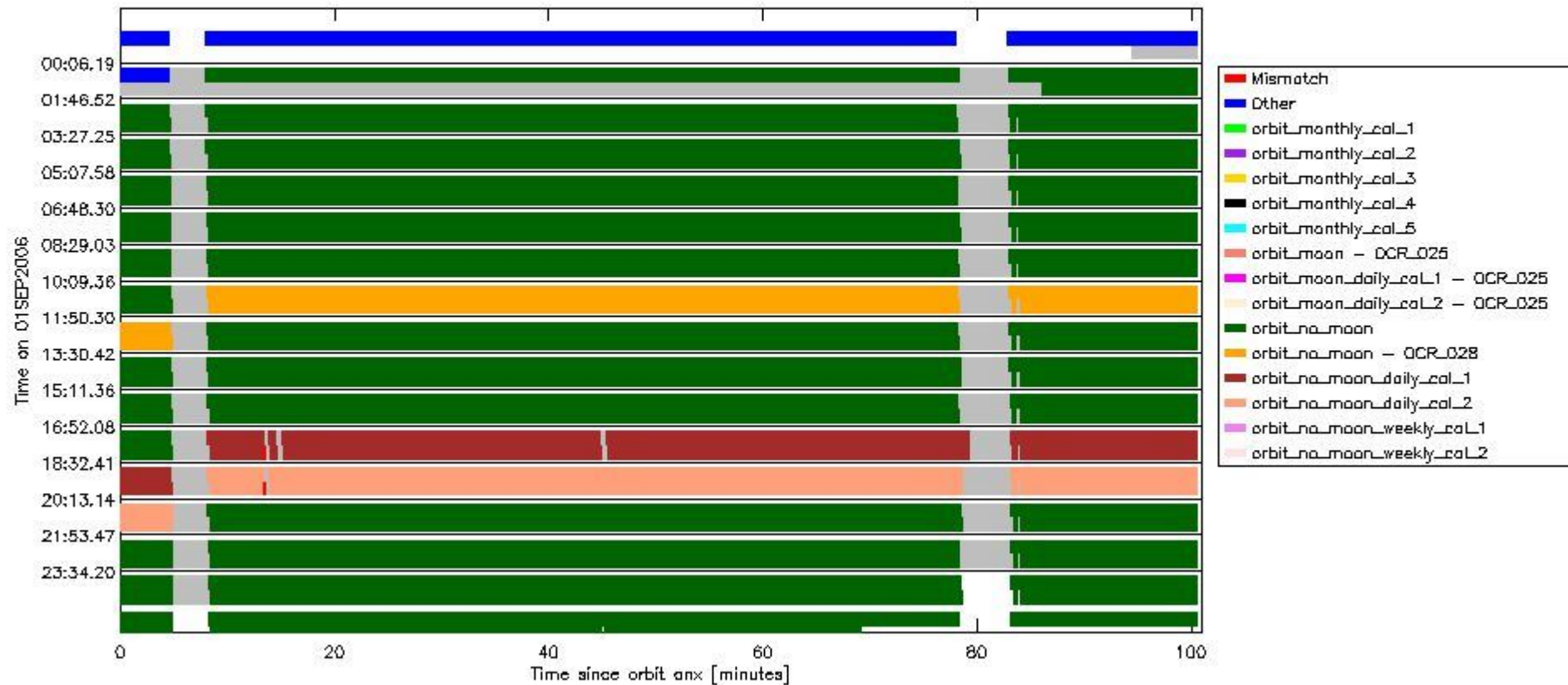


sciamachy_daily_report_level0_PFHS_5_37_N_20060901_5.PNG

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 01SEP2006.
 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_20060901_6.PNG

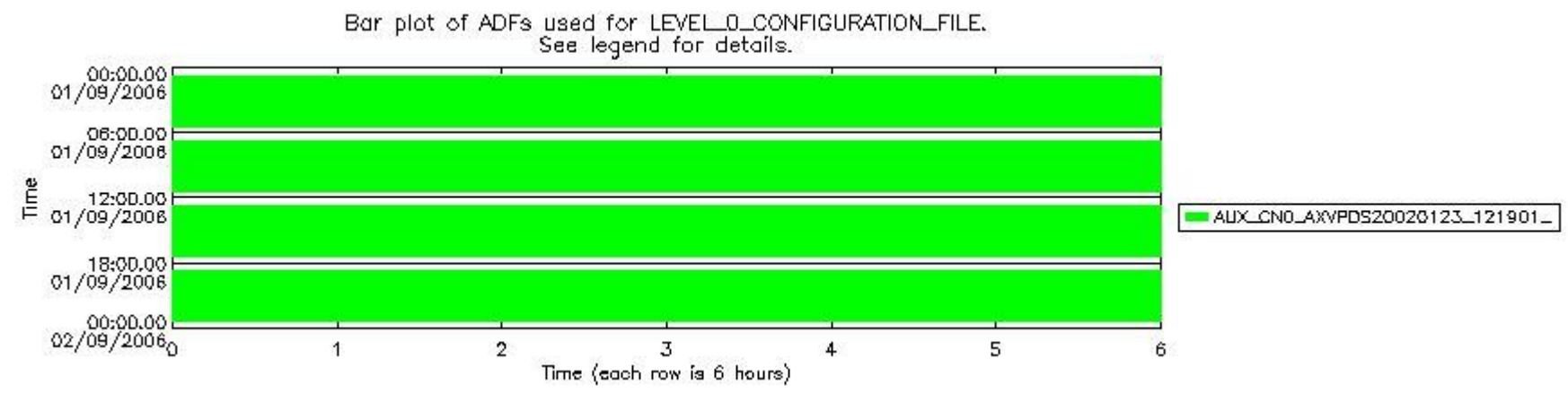
0.4 ADF monitoring

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

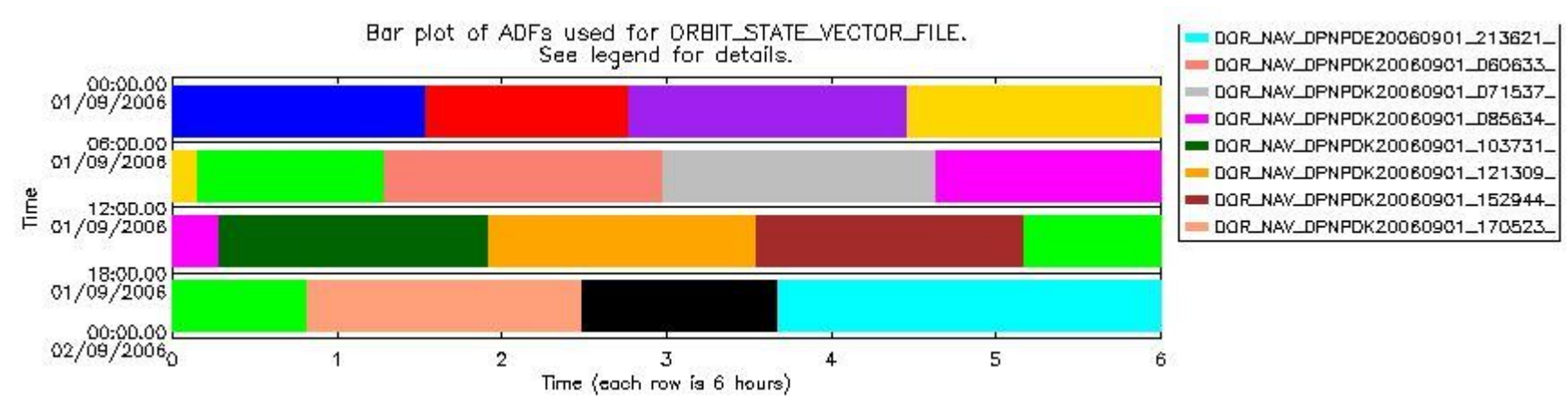
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

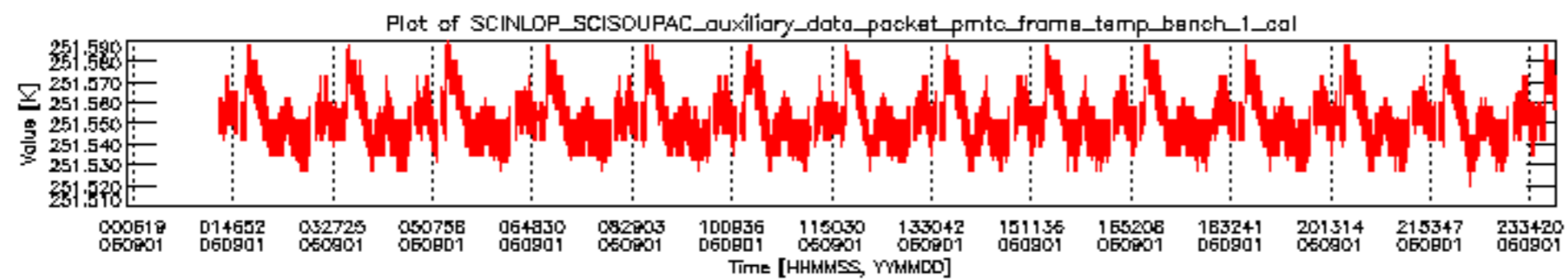
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20060831_235800_20060831_190418_20060910_203029
2	DOR_NAV_OPNPDE20060831_220822_000057382050_00444_23544_0465.N1
3	DOR_NAV_OPNPDE20060831_234919_000057382050_00445_23545_0466.N1
4	DOR_NAV_OPNPDE20060901_013016_000041442050_00446_23546_0467.N1
5	DOR_NAV_OPNPDE20060901_042536_000057382050_00448_23548_0469.N1
6	DOR_NAV_OPNPDE20060901_202717_000038252050_00458_23558_0470.N1
7	DOR_NAV_OPNPDE20060901_213621_000057382050_00458_23558_0471.N1
8	DOR_NAV_OPNPDK20060901_060633_000038252050_00449_23549_0609.N1
9	DOR_NAV_OPNPDK20060901_071537_000057382050_00450_23550_0610.N1
10	DOR_NAV_OPNPDK20060901_085634_000057382050_00451_23551_0611.N1
11	DOR_NAV_OPNPDK20060901_103731_000054192050_00452_23552_0612.N1
12	DOR_NAV_OPNPDK20060901_121309_000057382050_00453_23553_0613.N1
13	DOR_NAV_OPNPDK20060901_152944_000057382050_00455_23555_0615.N1
14	DOR_NAV_OPNPDK20060901_170523_000057382050_00456_23556_0616.N1

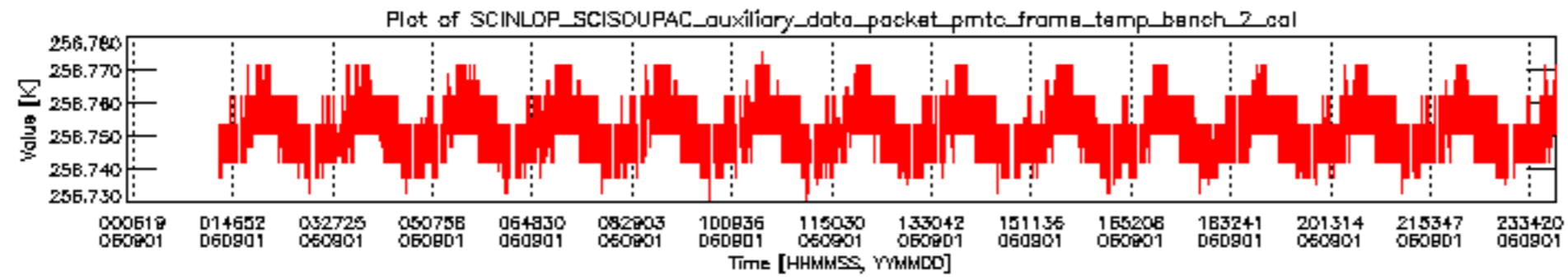


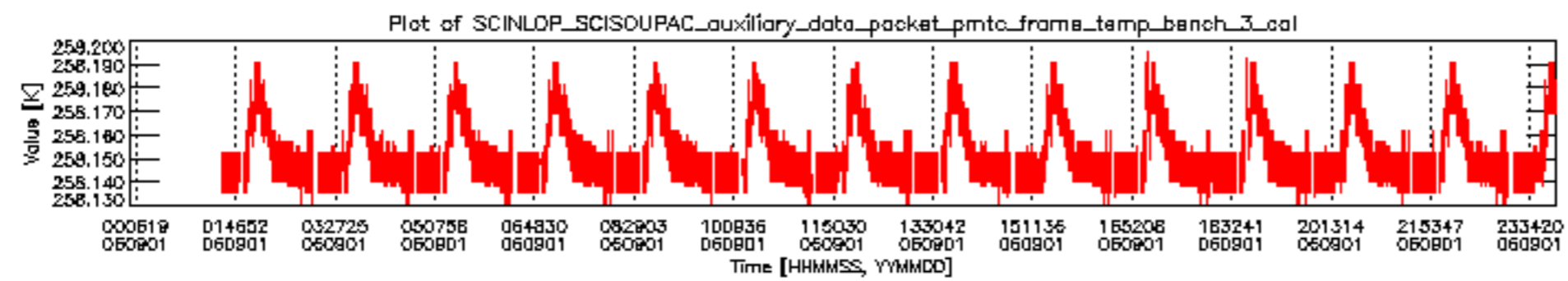
sciamachy_daily_report_level0_PFHS_5_37_N_20060901_7.PNG

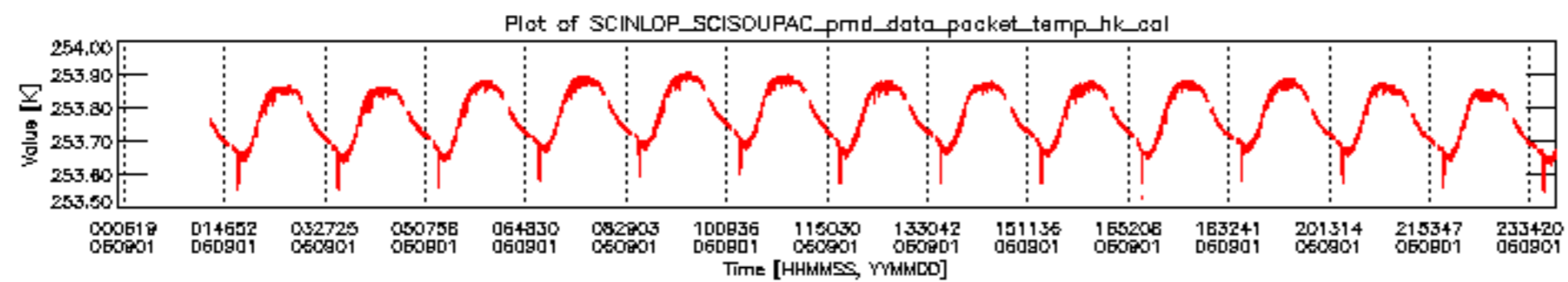


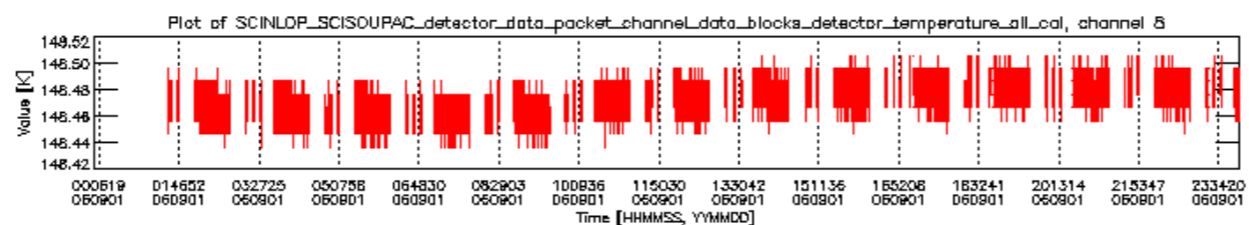
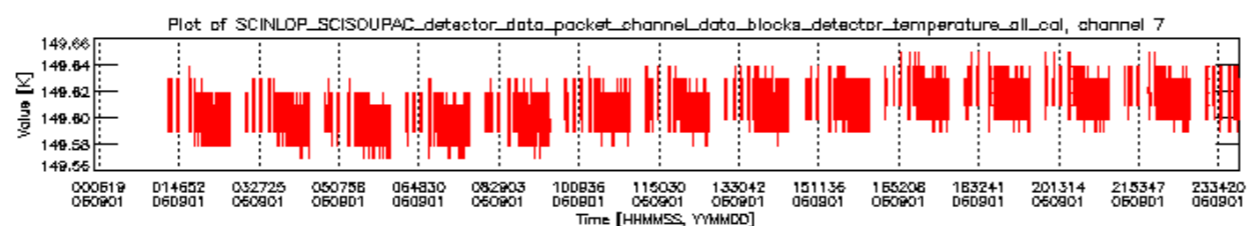
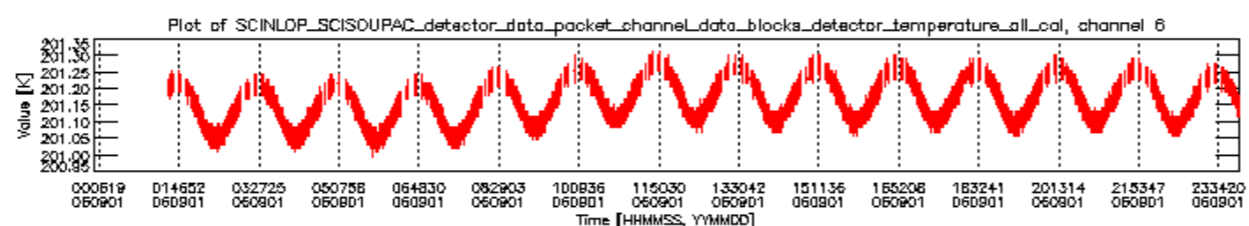
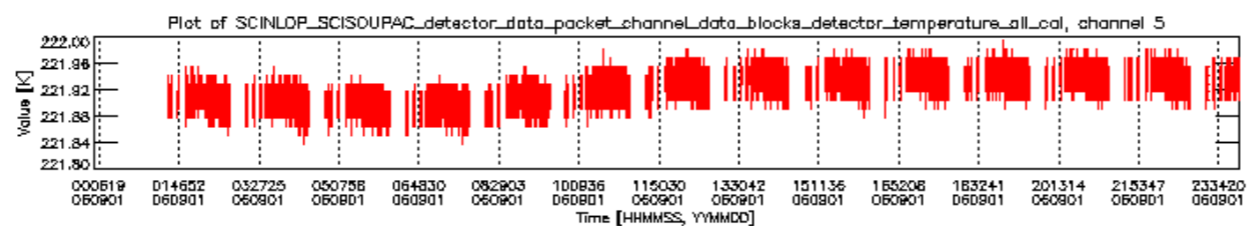
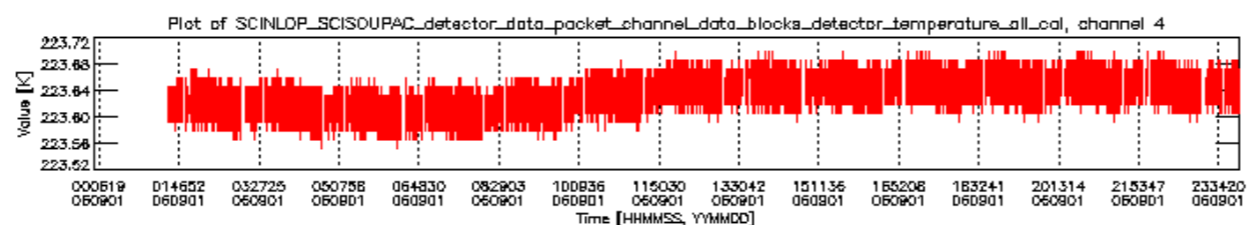
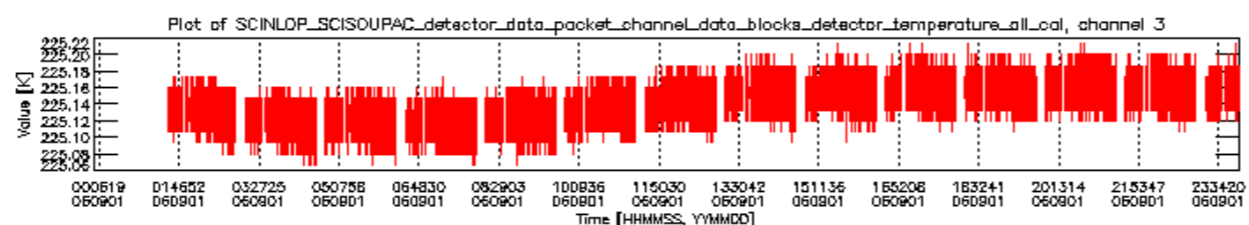
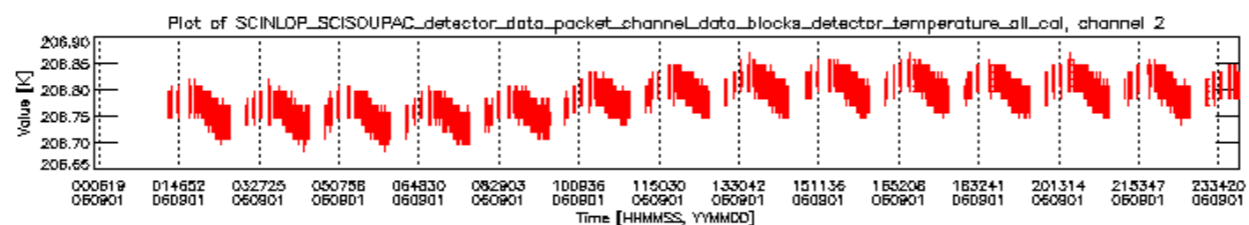
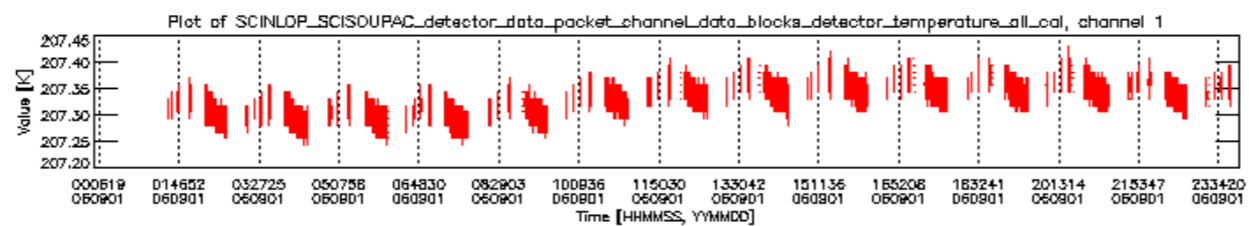
sciamachy_daily_report_level0_PFHS_5_37_N_20060901_8.PNG

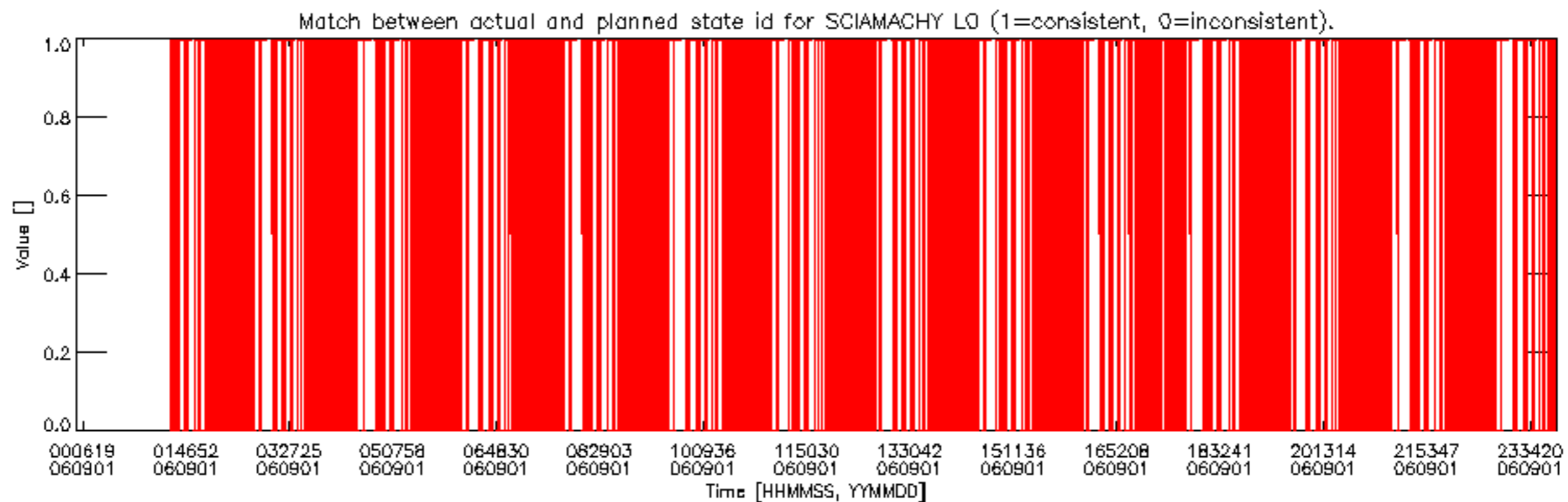
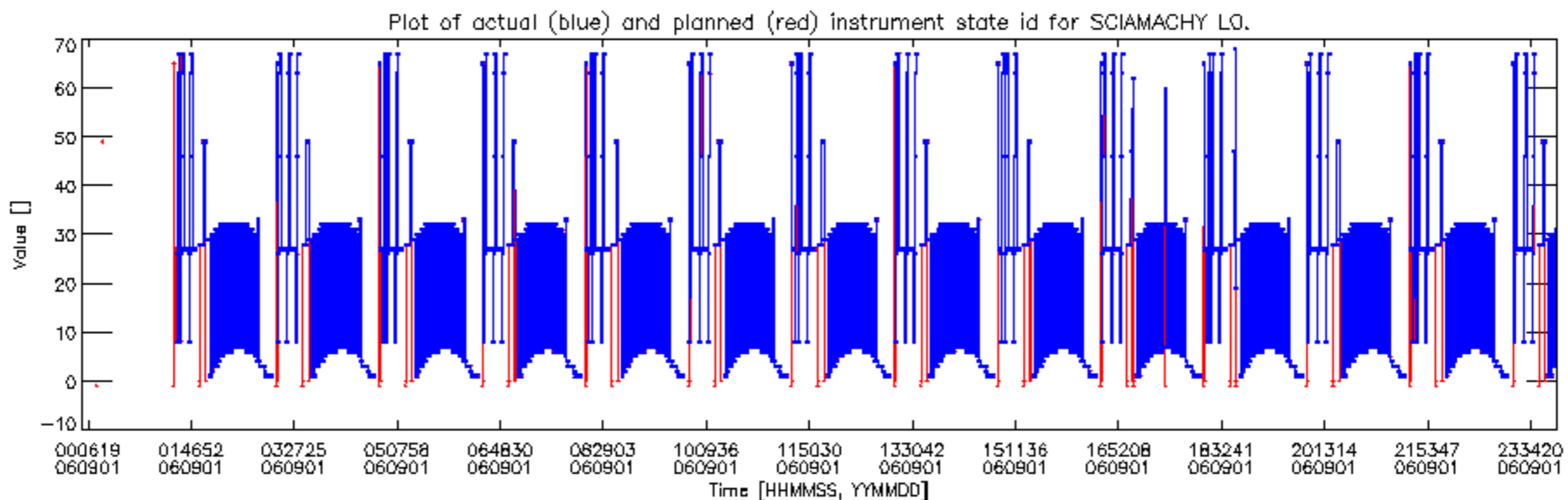












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 01SEP2006.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

