

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	14JUL2008 03:56:06
Data source version	KSPT_L0/4303-N
Processing scope for products	10JUL2008 00:00:00 to 11JUL2008 00:00:00
Start time of first product within scope	09JUL2008 23:45:32
Stop time of last product within scope	11JUL2008 00:55:05
Total number of level 0 products	16
Number of level 0 products with errors	1

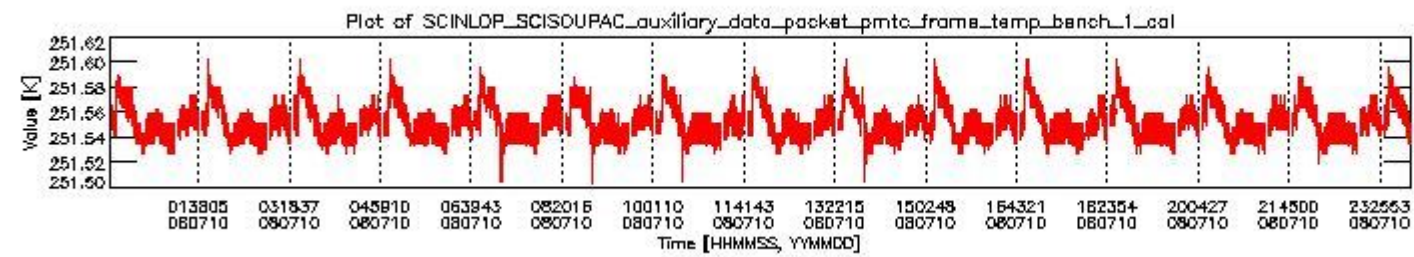
0.1.2 Summary per product

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

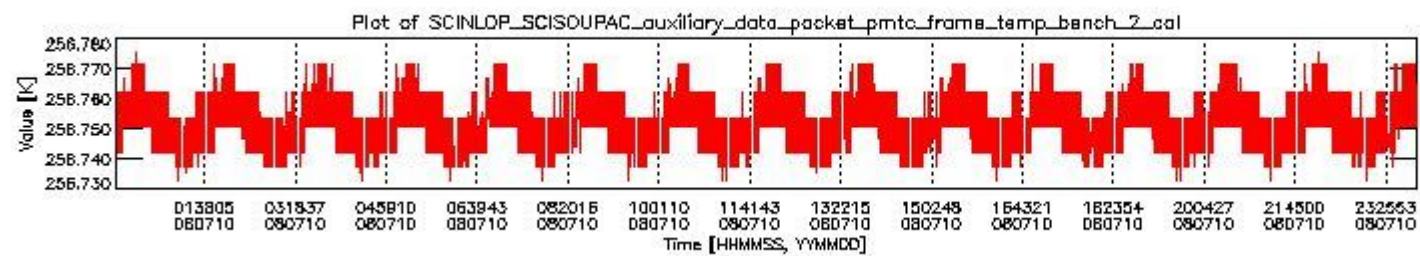
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080709_234532_000059402070_00130_33250_7074.N1	09JUL2008 23:45:32	10JUL2008 01:24:32	0	0	0	0	0
1	SCI_NL__OPNPDE20080710_012359_000047502070_00131_33251_7075.N1	10JUL2008 01:23:59	10JUL2008 02:43:09	0	0	0	0	0
2	SCI_NL__OPNPDE20080710_024200_000058432070_00132_33252_7076.N1	10JUL2008 02:42:00	10JUL2008 04:19:23	0	0	0	0	0
3	SCI_NL__OPNPDE20080710_041827_000061482070_00133_33253_7077.N1	10JUL2008 04:18:27	10JUL2008 06:00:55	0	0	0	0	0
4	SCI_NL__OPNPDK20080710_055959_000041142070_00134_33254_8727.N1	10JUL2008 05:59:59	10JUL2008 07:08:33	0	0	0	0	0
5	SCI_NL__OPNPDK20080710_070725_000061602070_00135_33255_8728.N1	10JUL2008 07:07:25	10JUL2008 08:50:05	0	0	0	0	0
6	SCI_NL__OPNPDK20080710_085005_000059122070_00136_33256_8729.N1	10JUL2008 08:50:05	10JUL2008 10:28:37	1	0	1	0	0
7	SCI_NL__OPNPDK20080710_102837_000060362070_00137_33257_8730.N1	10JUL2008 10:28:37	10JUL2008 12:09:13	0	0	0	0	0
8	SCI_NL__OPNPDK20080710_120913_000059122070_00138_33258_8731.N1	10JUL2008 12:09:13	10JUL2008 13:47:44	0	0	0	0	0
9	SCI_NL__OPNPDK20080710_134744_000058432070_00139_33259_8732.N1	10JUL2008 13:47:44	10JUL2008 15:25:07	0	0	0	0	0
10	SCI_NL__OPNPDK20080710_152507_000059242070_00140_33260_8733.N1	10JUL2008 15:25:07	10JUL2008 17:03:52	0	0	0	0	0
11	SCI_NL__OPNPDK20080710_170352_000058592070_00141_33261_8734.N1	10JUL2008 17:03:52	10JUL2008 18:41:31	0	0	0	0	0
12	SCI_NL__OPNPDK20080710_184035_000060232070_00142_33262_8735.N1	10JUL2008 18:40:35	10JUL2008 20:20:58	0	0	0	0	0
13	SCI_NL__OPNPDE20080710_201854_000044992070_00143_33263_7078.N1	10JUL2008 20:18:54	10JUL2008 21:33:53	0	0	0	0	0
14	SCI_NL__OPNPDE20080710_213145_000062092070_00143_33263_7079.N1	10JUL2008 21:31:45	10JUL2008 23:15:15	0	0	0	0	0
15	SCI_NL__OPNPDE20080710_231358_000060682070_00144_33264_7080.N1	10JUL2008 23:13:58	11JUL2008 00:55:05	0	0	0	0	0

0.2 Product Quality Indicators

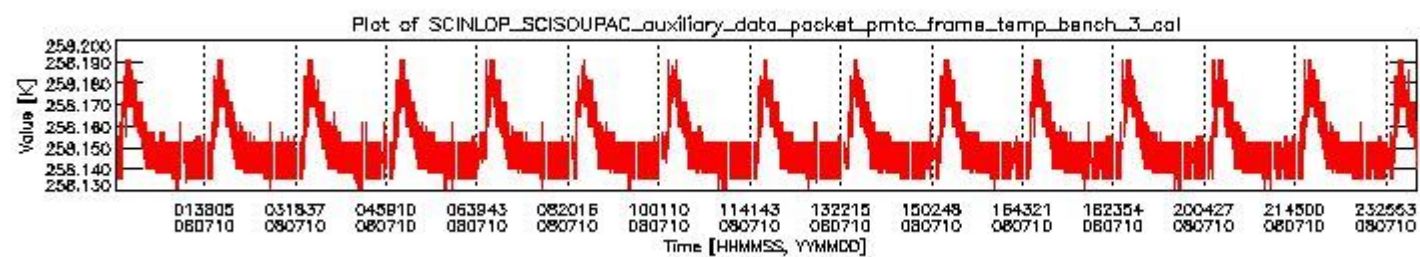
This section shows information about product quality, currently temperatures.



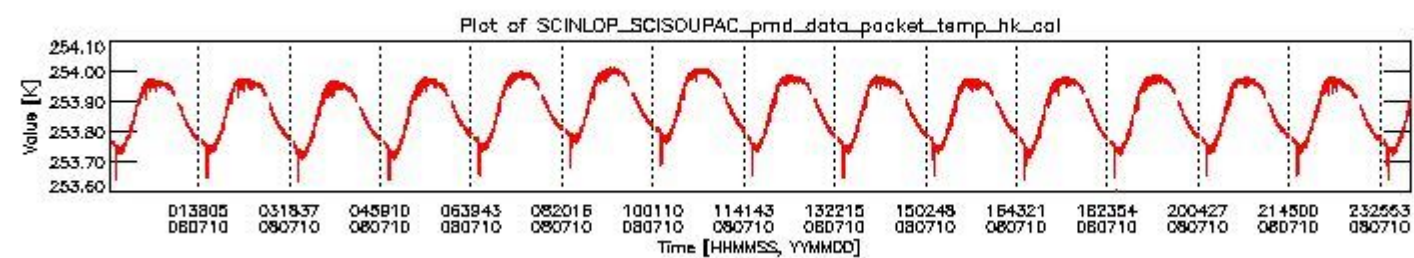
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080710_0.PNG



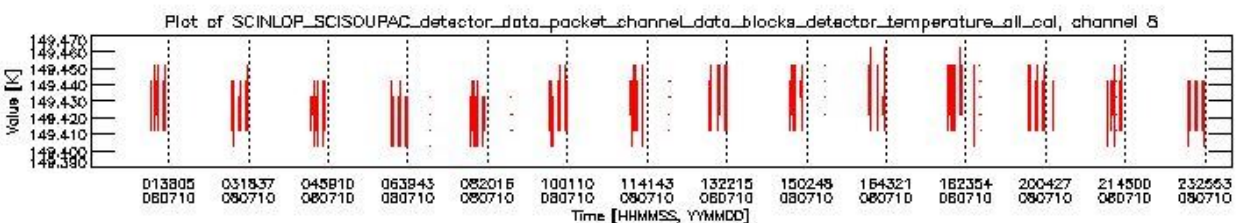
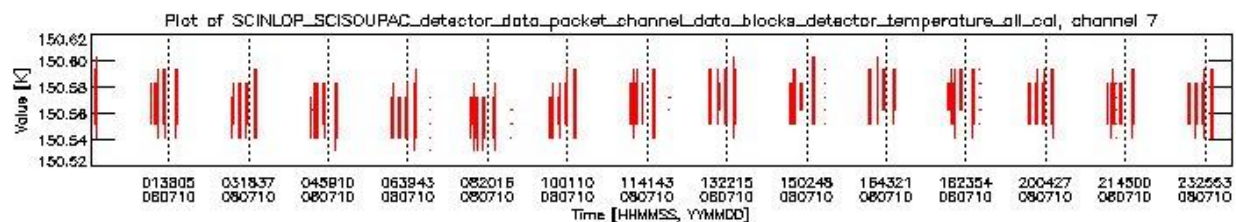
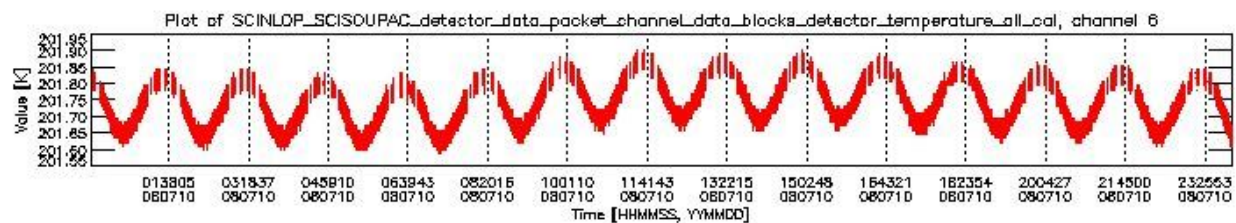
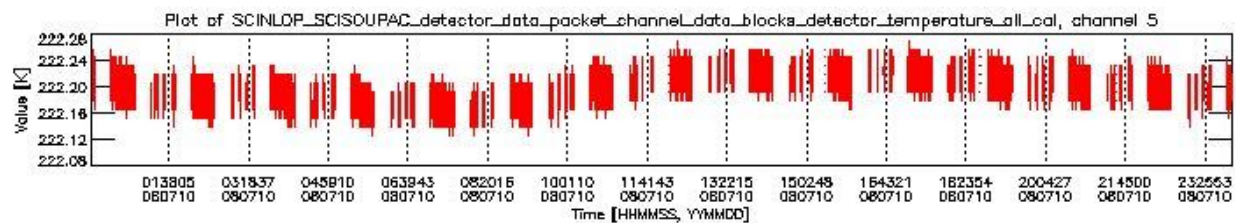
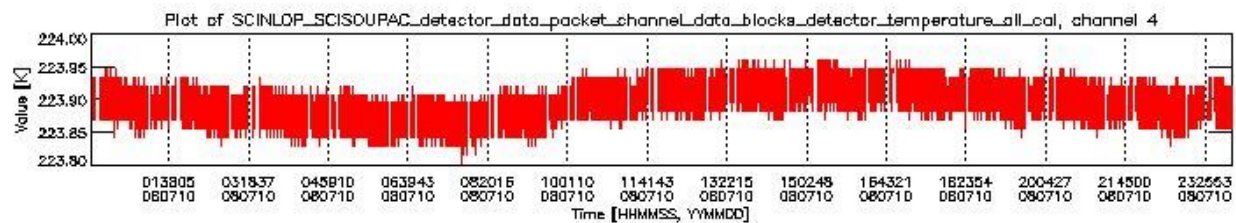
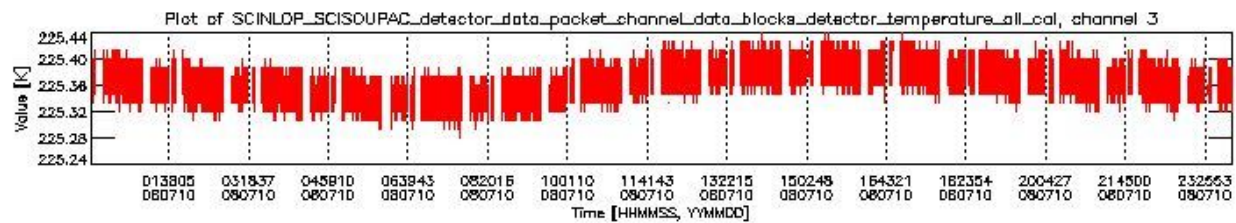
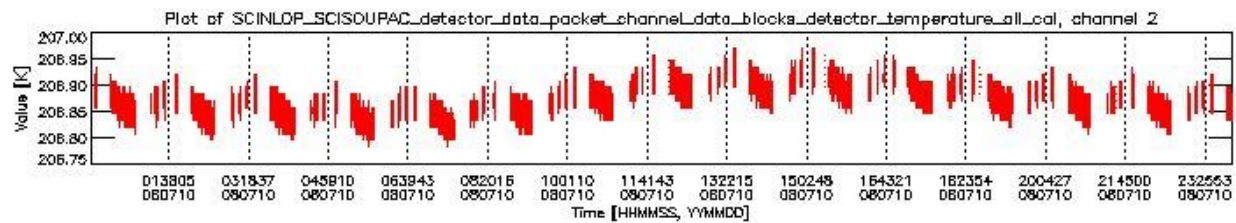
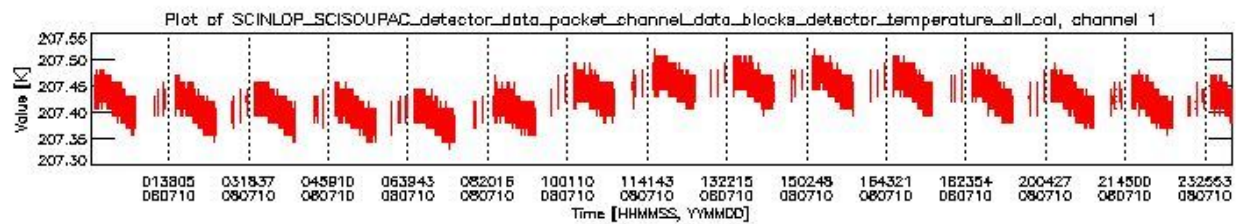
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080710_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080710_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080710_3.PNG

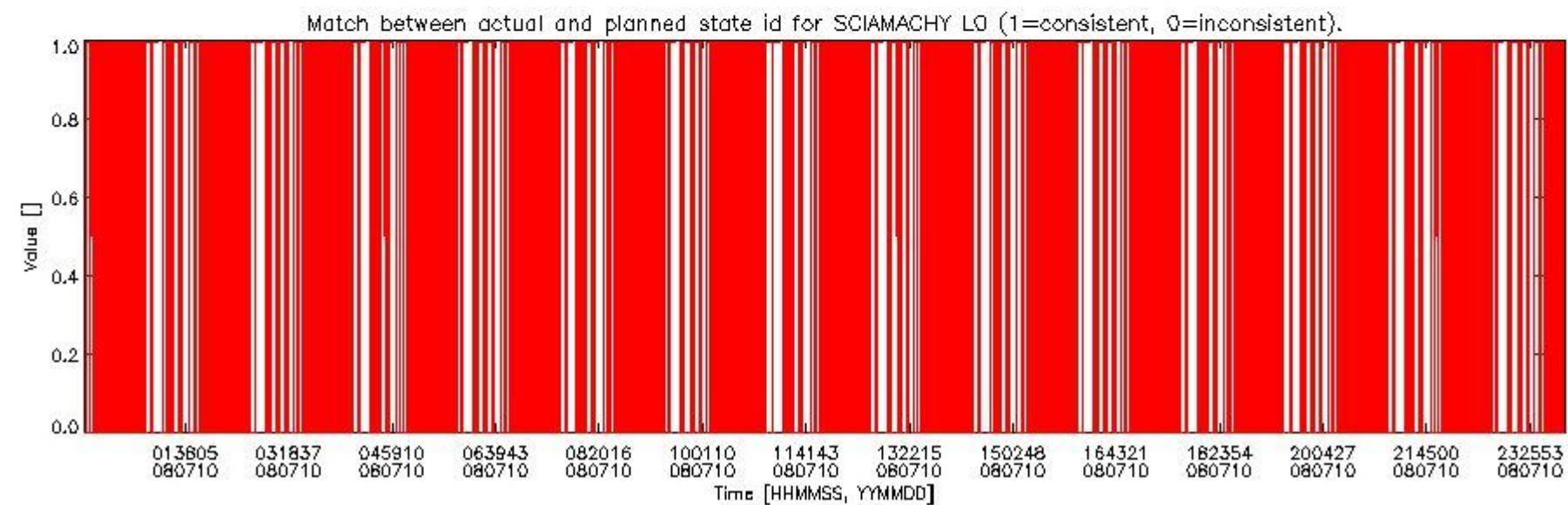
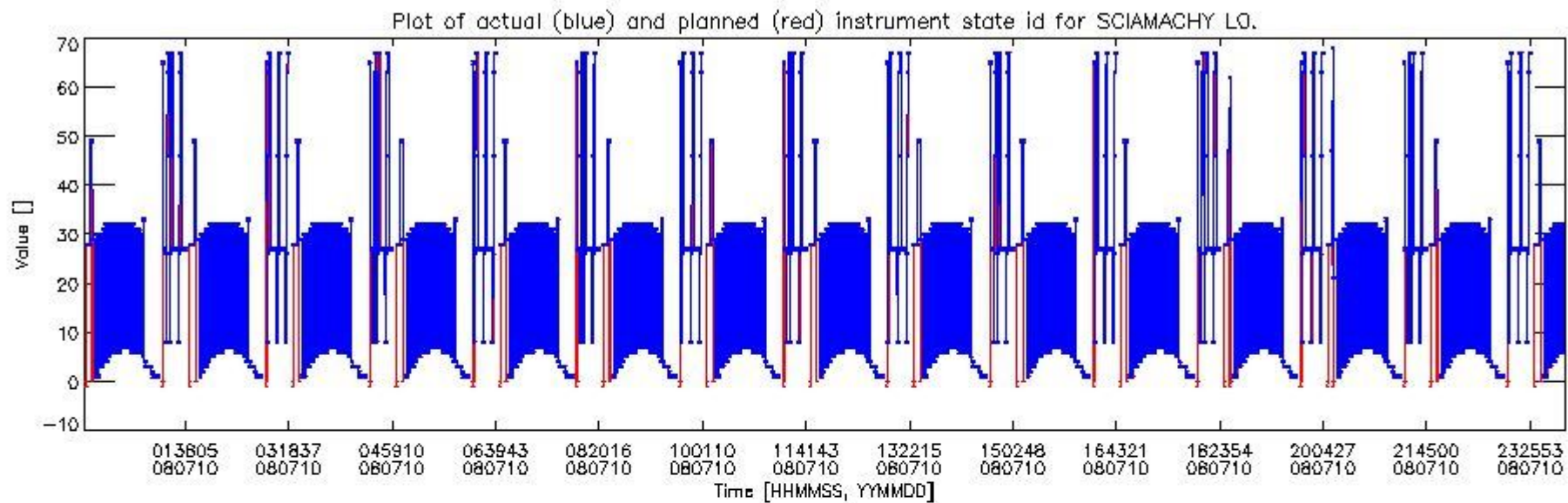


0.3 State monitoring

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: **36805**

#	Actual time	Actual value	Planned time	Planned value
0	10JUL2008 00:01:39.678357	28	10JUL2008 00:01:39.678357	0
1	10JUL2008 00:01:40.303379	28	10JUL2008 00:01:40.303379	0
2	10JUL2008 00:01:40.678352	28	10JUL2008 00:01:40.678352	0
3	10JUL2008 00:01:41.053365	28	10JUL2008 00:01:41.053365	0
4	10JUL2008 00:01:41.615864	28	10JUL2008 00:01:41.615864	0
5	10JUL2008 00:01:41.990877	28	10JUL2008 00:01:41.990877	0
6	10JUL2008 00:01:42.365850	28	10JUL2008 00:01:42.365850	0
7	10JUL2008 00:01:42.740863	28	10JUL2008 00:01:42.740863	0
8	10JUL2008 00:01:43.303362	28	10JUL2008 00:01:43.303362	0
9	10JUL2008 00:01:43.678375	28	10JUL2008 00:01:43.678375	0
10	10JUL2008 00:01:44.053348	28	10JUL2008 00:01:44.053348	0
11	10JUL2008 00:01:44.428361	28	10JUL2008 00:01:44.428361	0
12	10JUL2008 00:01:44.678370	28	10JUL2008 00:01:44.678370	0
13	10JUL2008 00:01:44.990861	28	10JUL2008 00:01:44.990861	0
14	10JUL2008 00:01:45.365874	28	10JUL2008 00:01:45.365874	0
15	10JUL2008 00:01:45.740887	28	10JUL2008 00:01:45.740887	0
16	10JUL2008 00:01:46.115860	28	10JUL2008 00:01:46.115860	0
17	10JUL2008 00:05:24.194017	49	10JUL2008 00:05:24.194017	28
18	10JUL2008 00:05:24.381503	49	10JUL2008 00:05:24.381503	28
19	10JUL2008 00:05:24.444026	49	10JUL2008 00:05:24.444026	28

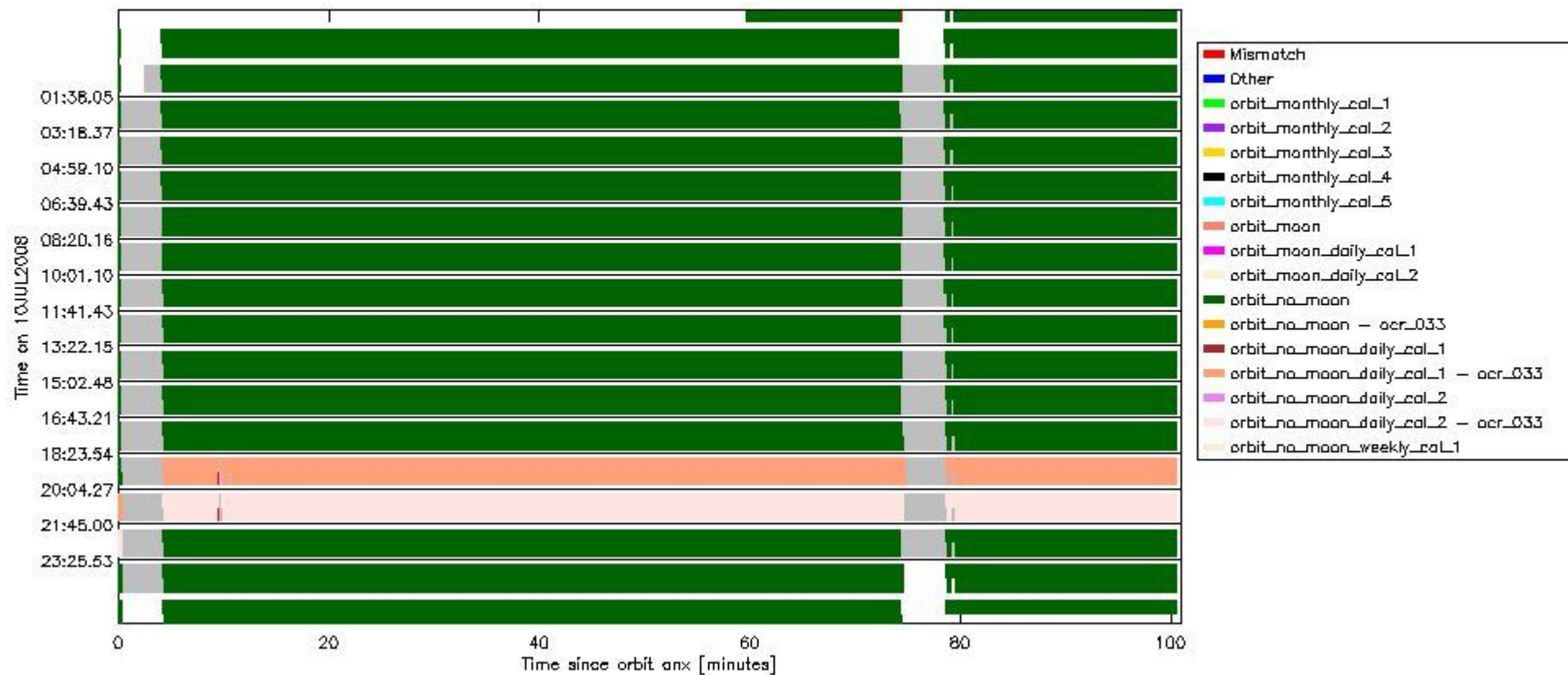


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080710_5.PNG

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 10JUL2008.
 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_KSPT_L0_4303_N_20080710_6.PNG

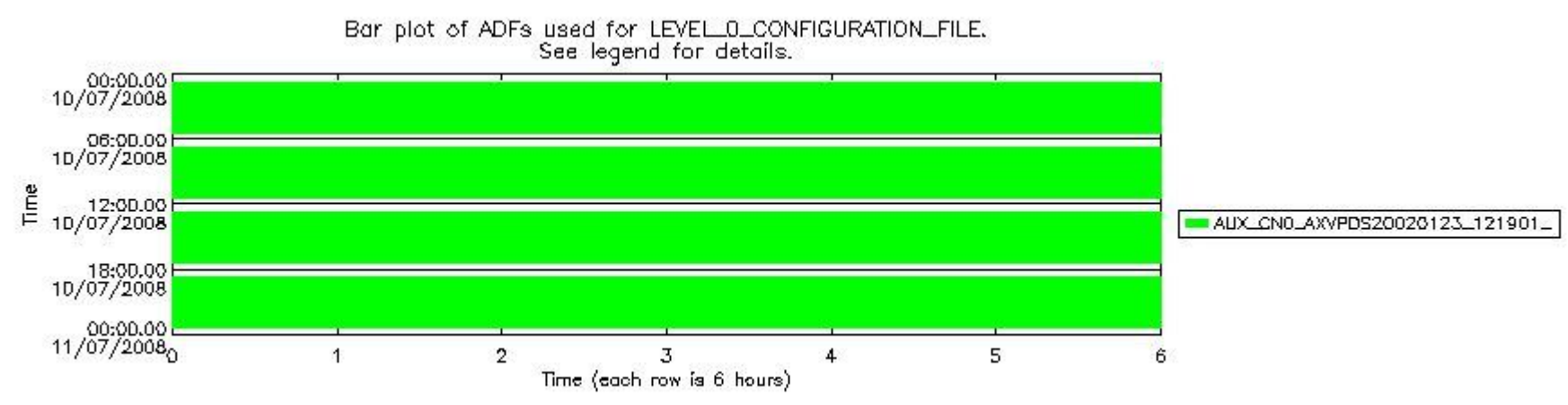
0.4 ADF monitoring

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

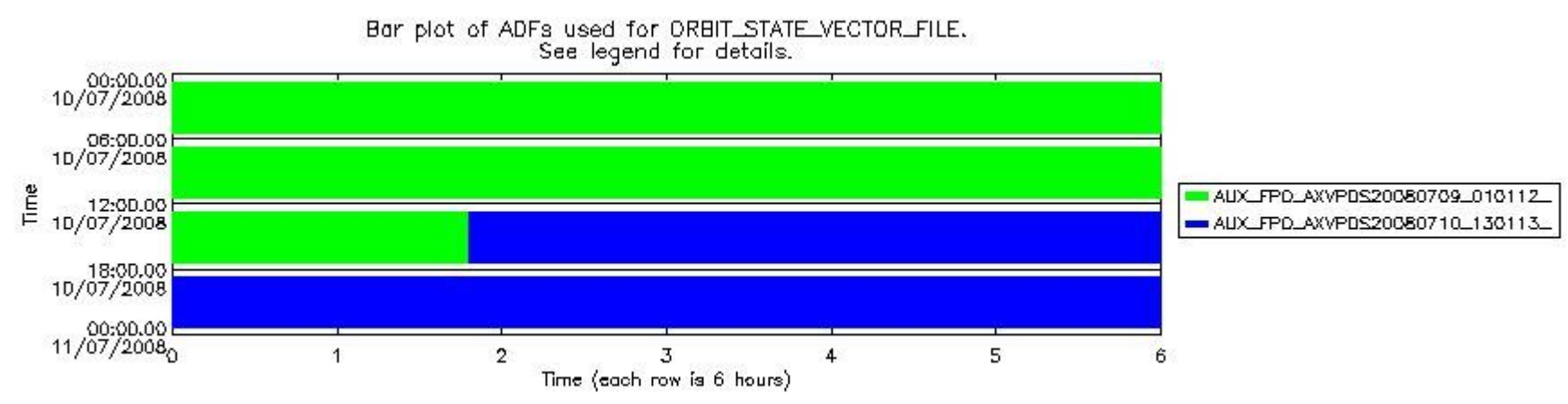
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

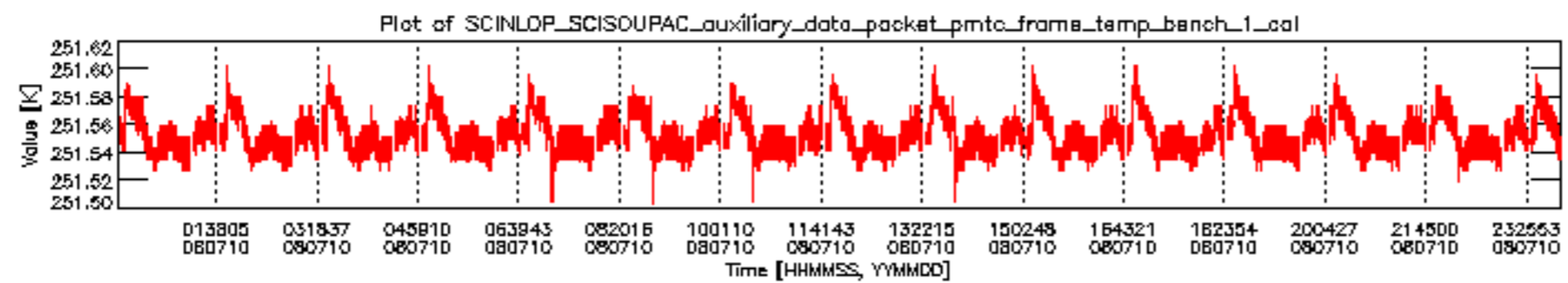
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080709_010112_20080708_192712_20080718_205325
2	AUX_FPO_AXVPDS20080710_130113_20080709_185535_20080719_202148

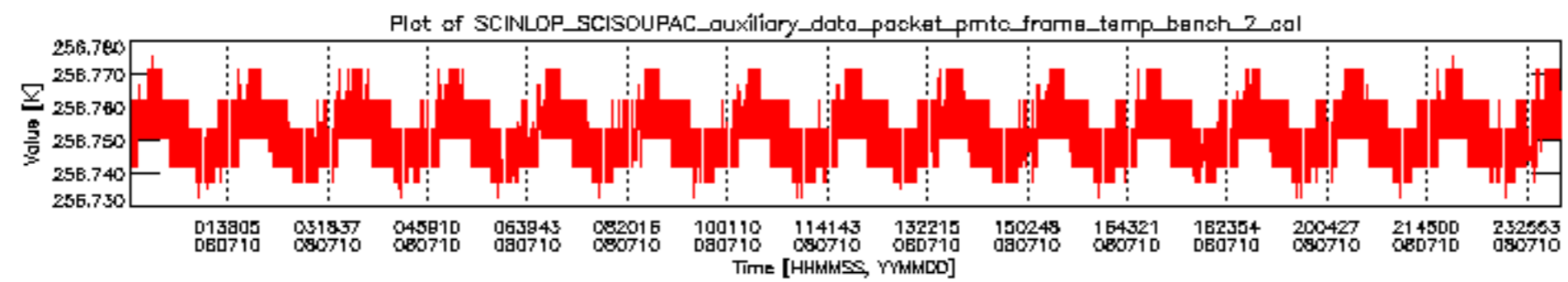


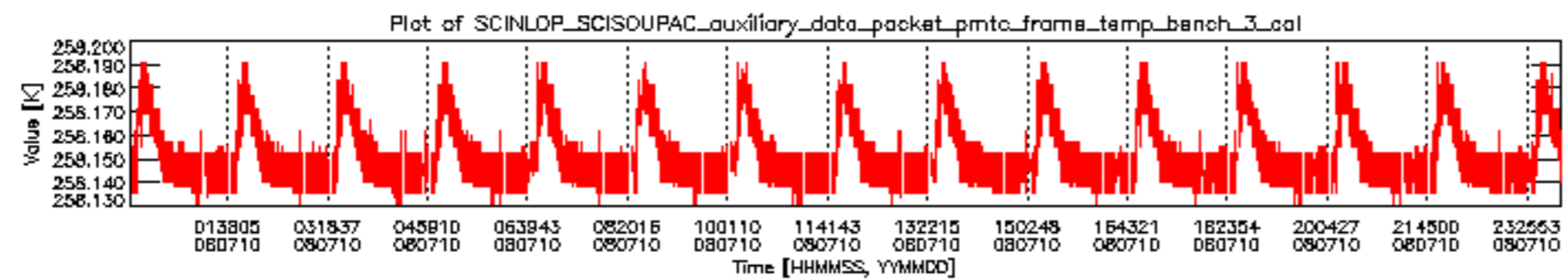
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080710_7.PNG

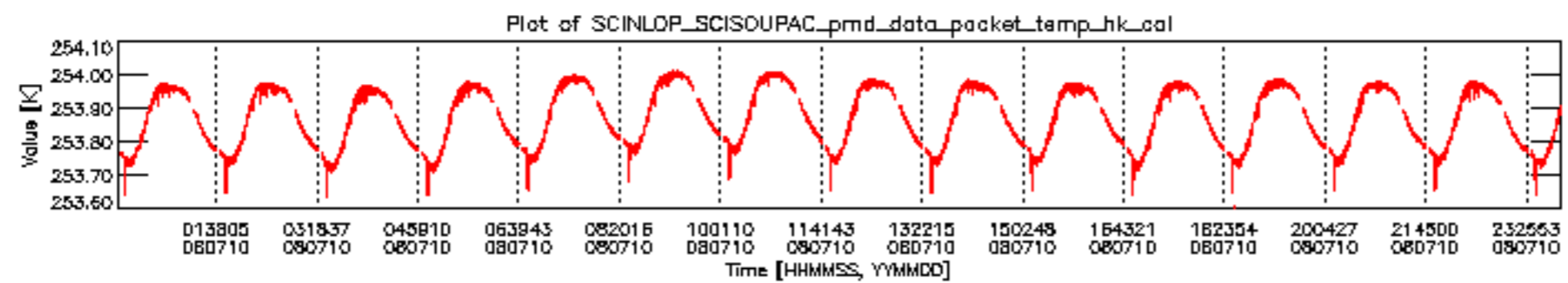


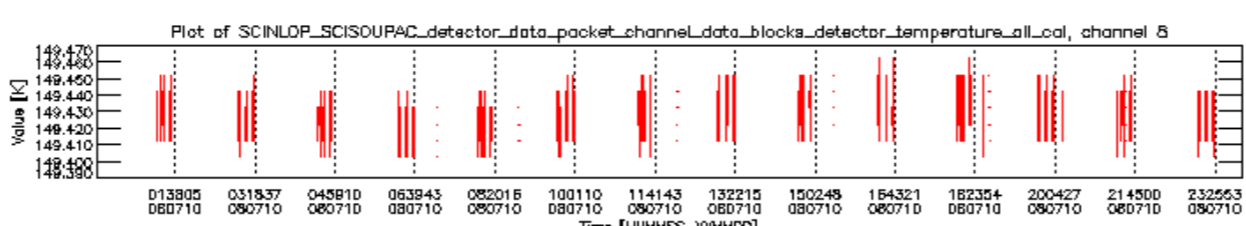
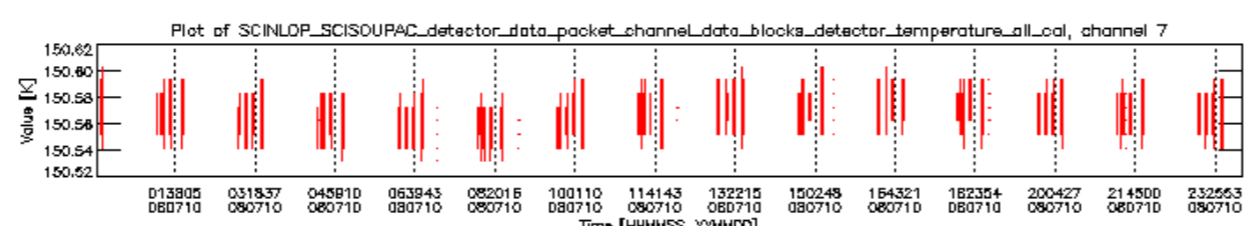
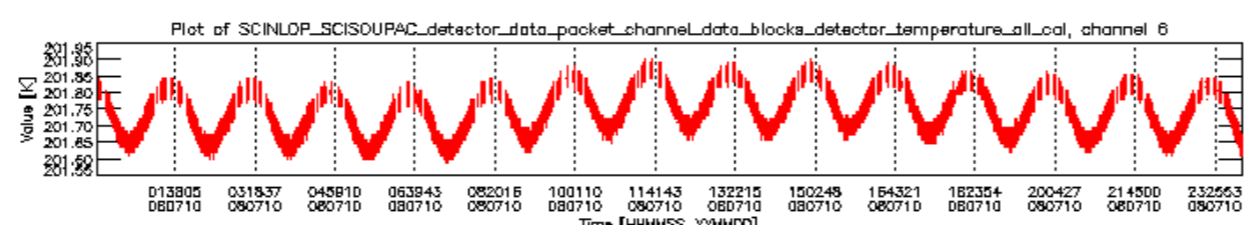
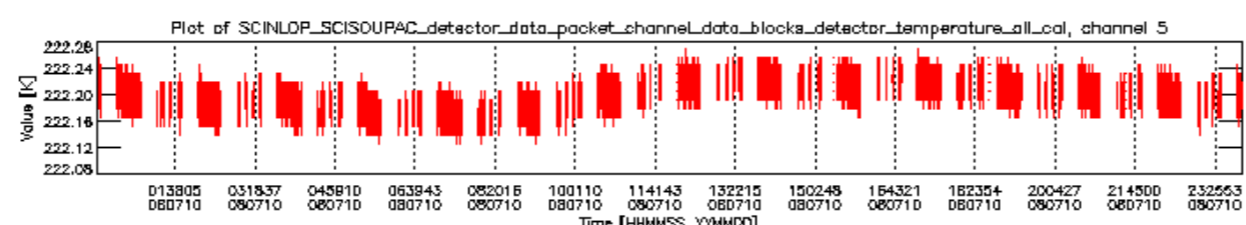
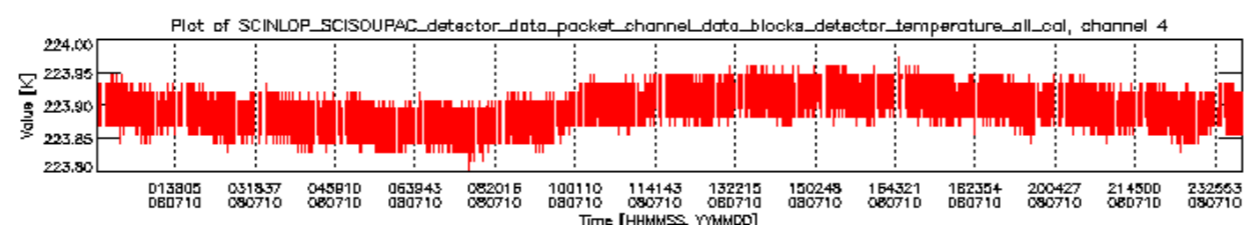
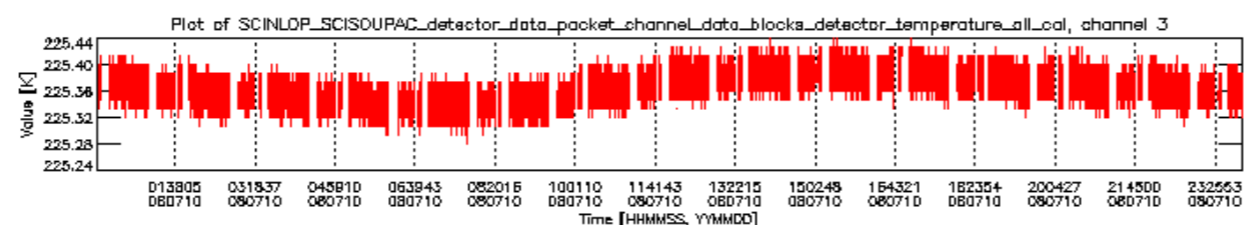
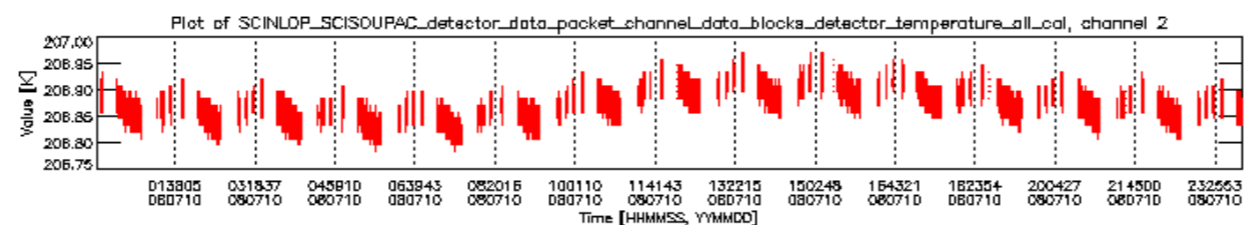
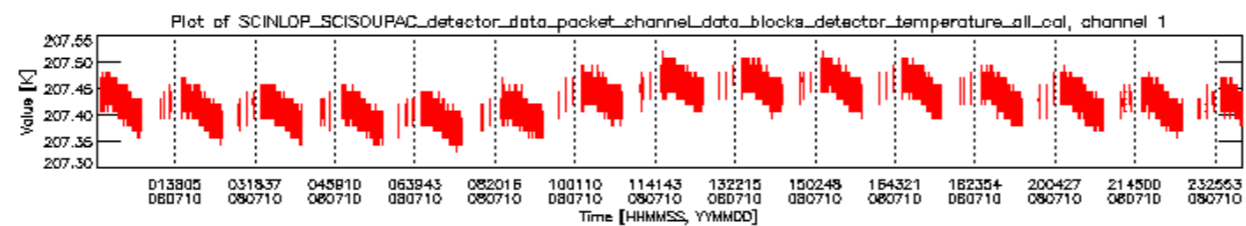
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080710_8.PNG

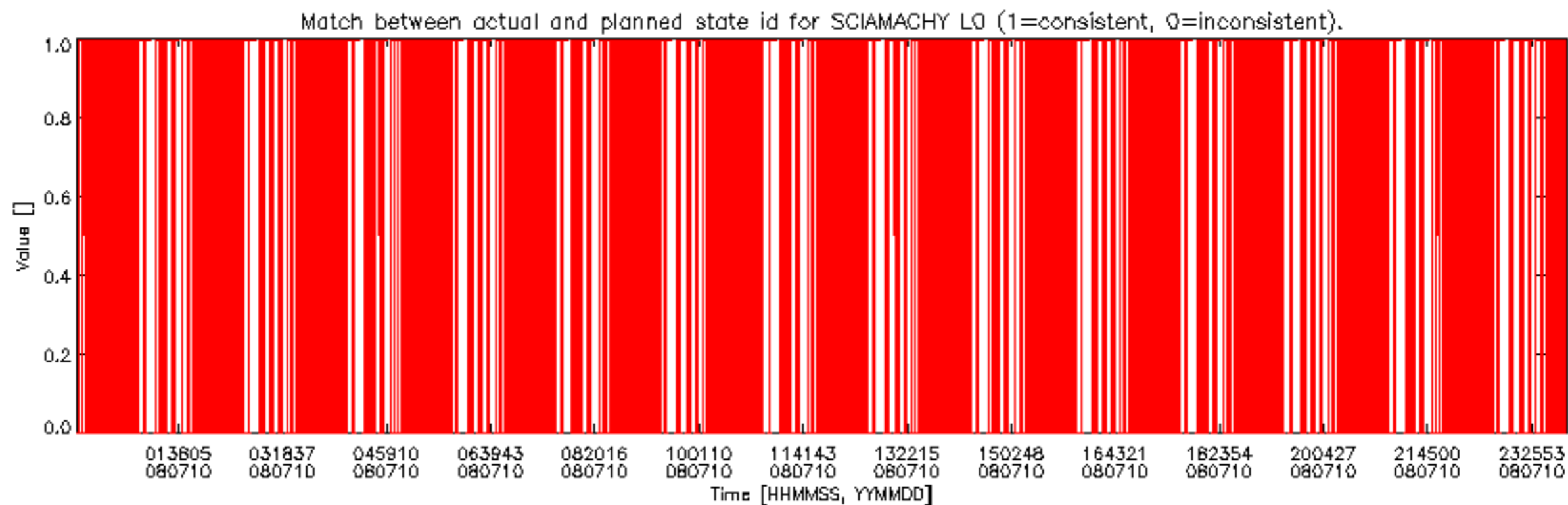
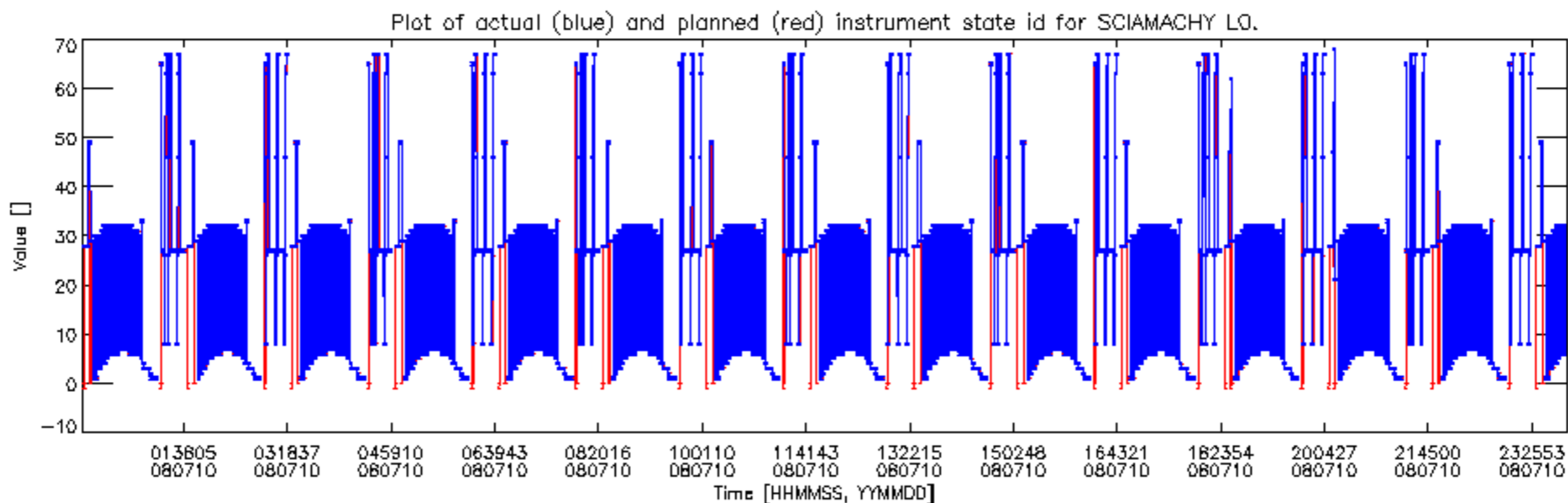












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 10JUL2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

