

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	15OCT2008 05:52:55
Data source version	KSPT_L0/4303-N
Processing scope for products	11OCT2008 00:00:00 to 12OCT2008 00:00:00
Start time of first product within scope	10OCT2008 23:21:55
Stop time of last product within scope	12OCT2008 00:31:45
Total number of level 0 products	16
Number of level 0 products with errors	0

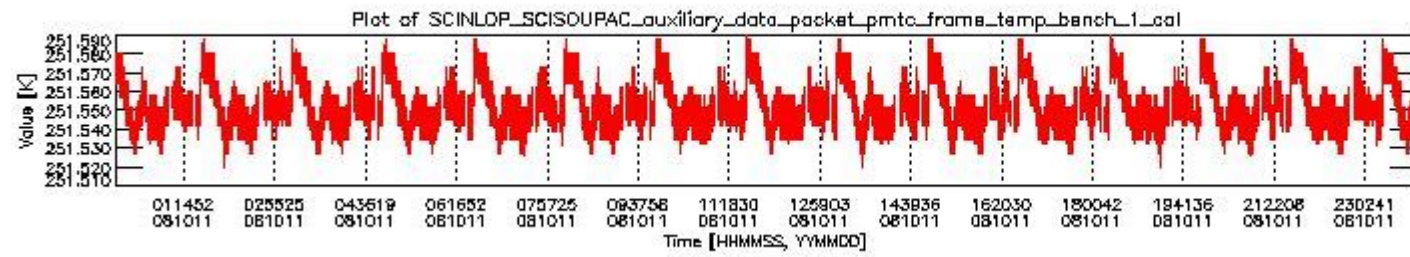
0.1.2 Summary per product

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

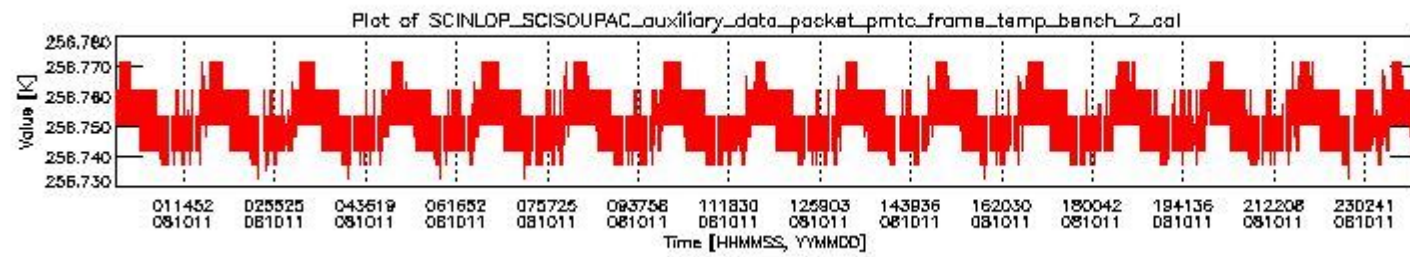
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081010_232155_000060362072_00459_34581_7681.N1	11OCT2008 23:21:55	11OCT2008 01:02:31	0	0	0	0	0
1	SCI_NL__OPNPDE20081011_010231_000046162072_00460_34582_7682.N1	11OCT2008 01:02:31	11OCT2008 02:19:27	0	0	0	0	0
2	SCI_NL__OPNPDE20081011_021927_000057322072_00461_34583_7683.N1	11OCT2008 02:19:27	11OCT2008 03:54:59	0	0	0	0	0
3	SCI_NL__OPNPDE20081011_035459_000060922072_00462_34584_7684.N1	11OCT2008 03:54:59	11OCT2008 05:36:31	0	0	0	0	0
4	SCI_NL__OPNPDE20081011_053535_000061612072_00463_34585_7685.N1	11OCT2008 05:35:35	11OCT2008 07:18:16	0	0	0	0	0
5	SCI_NL__OPNPDK20081011_071720_000040332072_00464_34586_9633.N1	11OCT2008 07:17:20	11OCT2008 08:24:33	0	0	0	0	0
6	SCI_NL__OPNPDK20081011_082337_000061612072_00465_34587_9634.N1	11OCT2008 08:23:37	11OCT2008 10:06:18	0	0	0	0	0
7	SCI_NL__OPNPDK20081011_100618_000058432072_00466_34588_9635.N1	11OCT2008 10:06:18	11OCT2008 11:43:41	0	0	0	0	0
8	SCI_NL__OPNPDK20081011_114245_000060362072_00467_34589_9636.N1	11OCT2008 11:42:45	11OCT2008 13:23:22	0	0	0	0	0
9	SCI_NL__OPNPDK20081011_132226_000060242072_00468_34590_9637.N1	11OCT2008 13:22:26	11OCT2008 15:02:50	0	0	0	0	0
10	SCI_NL__OPNPDK20081011_150058_000059812072_00469_34591_9638.N1	11OCT2008 15:00:58	11OCT2008 16:40:39	0	0	0	0	0
11	SCI_NL__OPNPDK20081011_163725_000060372072_00470_34592_9639.N1	11OCT2008 16:37:25	11OCT2008 18:18:01	0	0	0	0	0
12	SCI_NL__OPNPDK20081011_181704_000059812072_00471_34593_9640.N1	11OCT2008 18:17:04	11OCT2008 19:56:45	0	0	0	0	0
13	SCI_NL__OPNPDE20081011_195453_000041662072_00472_34594_7686.N1	11OCT2008 19:54:53	11OCT2008 21:04:19	0	0	0	0	0
14	SCI_NL__OPNPDE20081011_210311_000065212072_00472_34594_7687.N1	11OCT2008 21:03:11	11OCT2008 22:51:52	0	0	0	0	0
15	SCI_NL__OPNPDE20081011_225025_000060802072_00473_34595_7688.N1	11OCT2008 22:50:25	12OCT2008 00:31:45	0	0	0	0	0

0.2 Product Quality Indicators

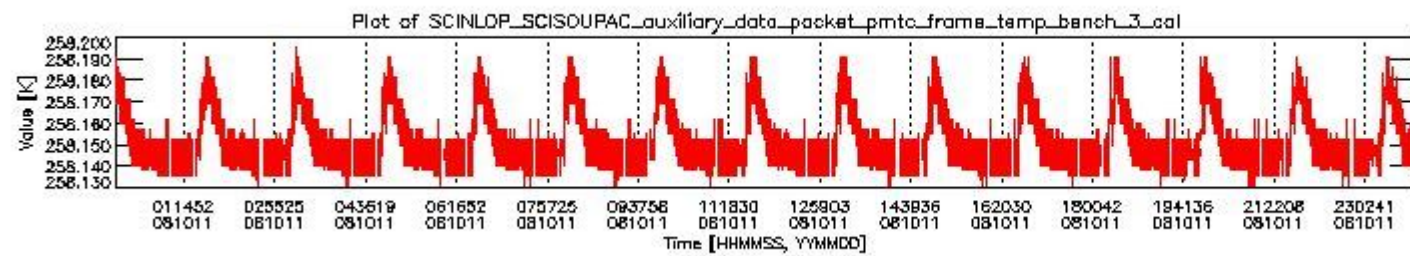
This section shows information about product quality, currently temperatures.



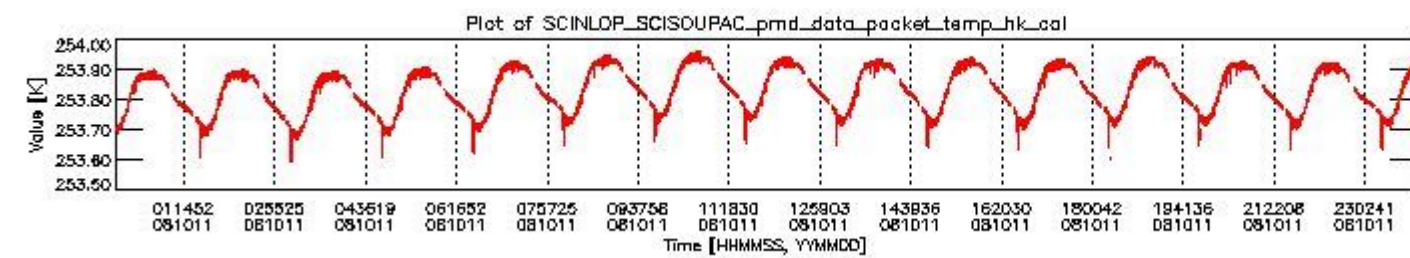
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081011_0.PNG



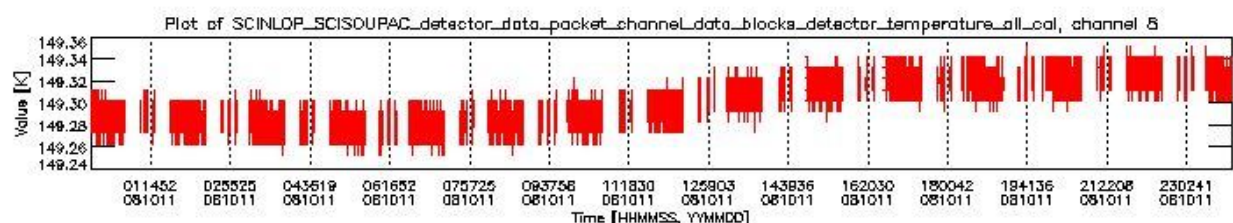
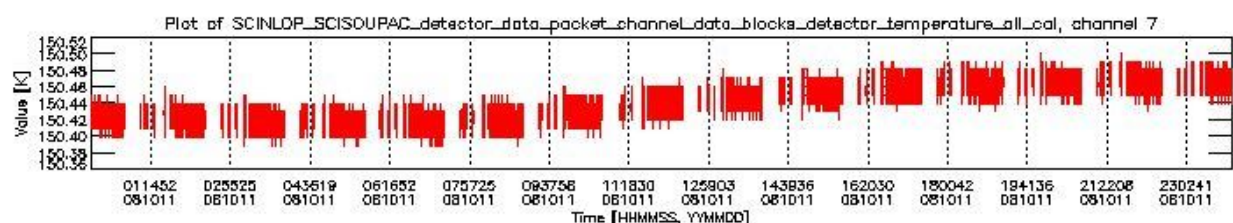
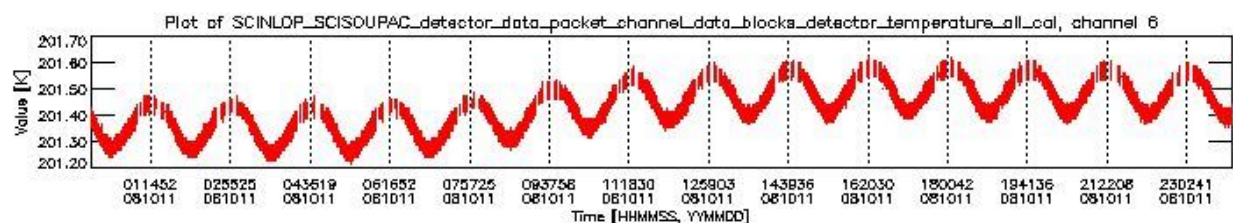
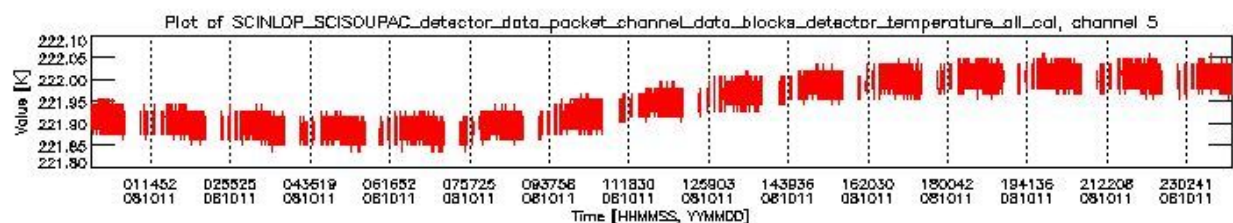
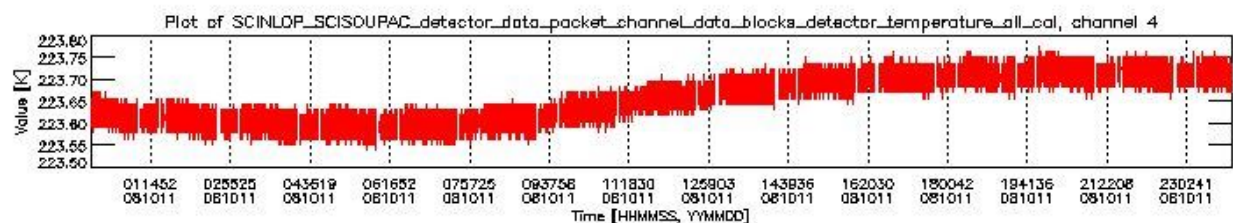
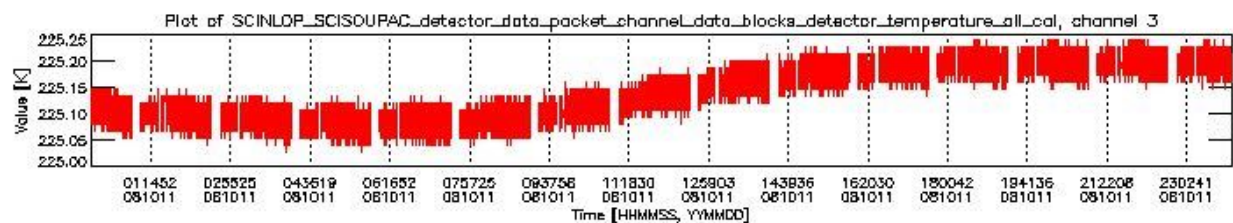
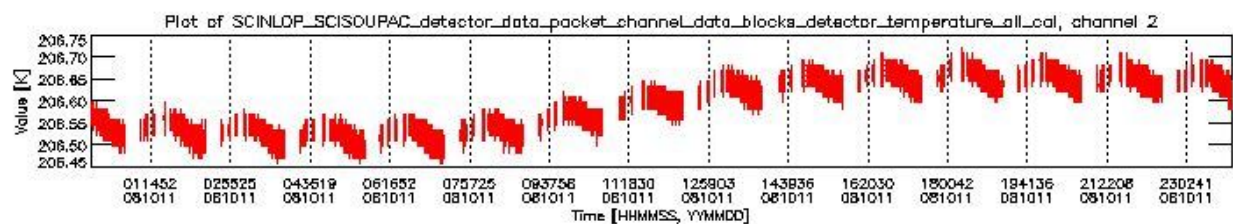
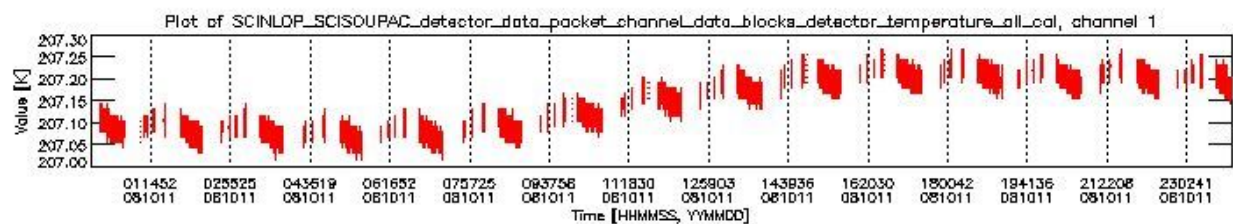
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081011_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081011_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081011_3.PNG

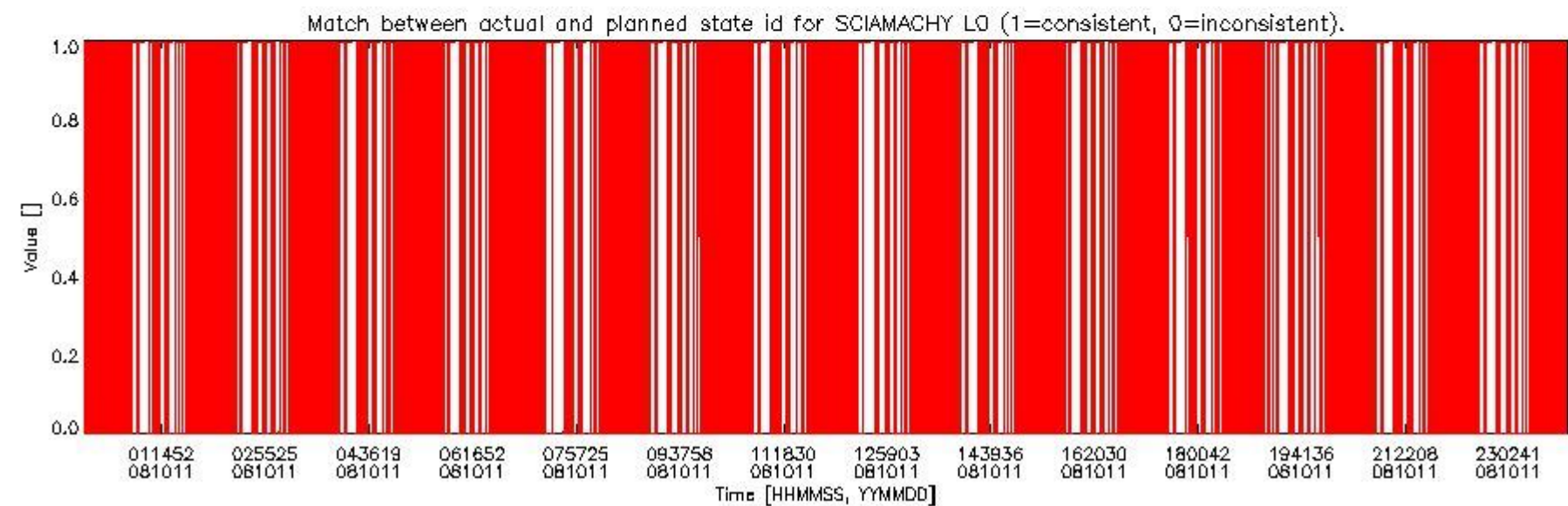
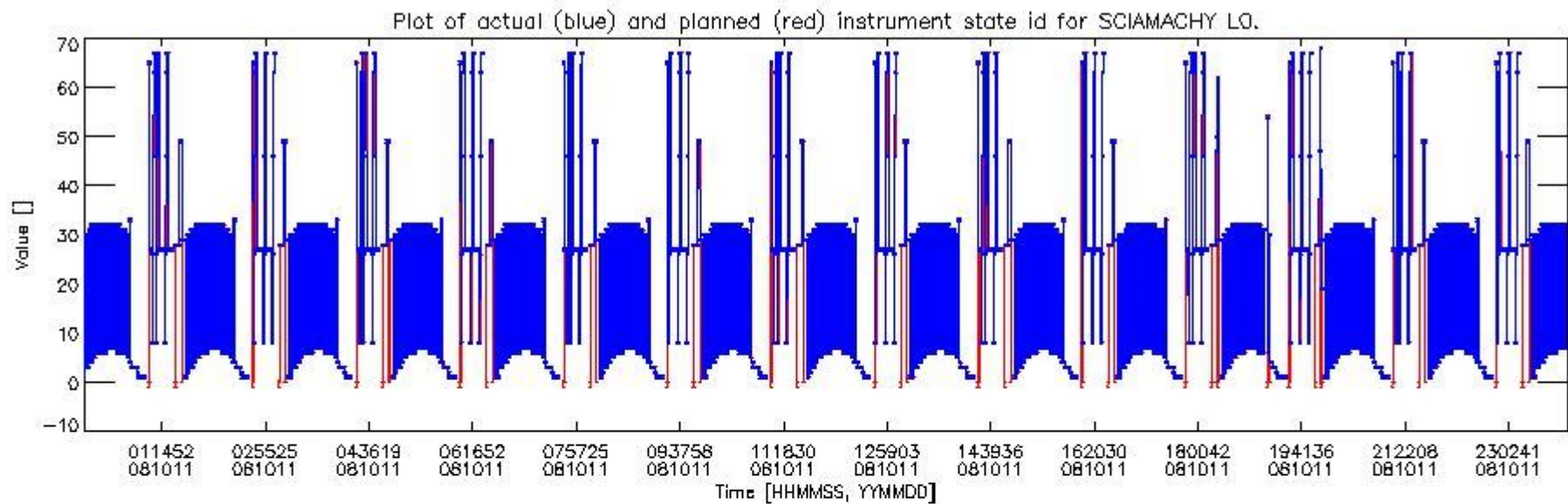


0.3 State monitoring

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: **44266**

#	Actual time	Actual value	Planned time	Planned value
0	11OCT2008 00:00:35.405521	3	11OCT2008 00:00:35.405521	30
1	11OCT2008 00:00:35.655490	3	11OCT2008 00:00:35.655490	30
2	11OCT2008 00:00:35.780494	3	11OCT2008 00:00:35.780494	30
3	11OCT2008 00:00:35.905498	3	11OCT2008 00:00:35.905498	30
4	11OCT2008 00:00:36.030503	3	11OCT2008 00:00:36.030503	30
5	11OCT2008 00:00:36.155507	3	11OCT2008 00:00:36.155507	30
6	11OCT2008 00:00:36.280511	3	11OCT2008 00:00:36.280511	30
7	11OCT2008 00:00:36.405516	3	11OCT2008 00:00:36.405516	30
8	11OCT2008 00:00:36.530520	3	11OCT2008 00:00:36.530520	30
9	11OCT2008 00:00:36.655524	3	11OCT2008 00:00:36.655524	30
10	11OCT2008 00:00:36.780488	3	11OCT2008 00:00:36.780488	30
11	11OCT2008 00:00:36.905493	3	11OCT2008 00:00:36.905493	30
12	11OCT2008 00:00:37.030497	3	11OCT2008 00:00:37.030497	30
13	11OCT2008 00:00:37.155502	3	11OCT2008 00:00:37.155502	30
14	11OCT2008 00:00:37.280506	3	11OCT2008 00:00:37.280506	30
15	11OCT2008 00:00:37.405510	3	11OCT2008 00:00:37.405510	30
16	11OCT2008 00:00:37.530515	3	11OCT2008 00:00:37.530515	30
17	11OCT2008 00:00:37.655519	3	11OCT2008 00:00:37.655519	30
18	11OCT2008 00:00:37.780523	3	11OCT2008 00:00:37.780523	30
19	11OCT2008 00:00:37.905487	3	11OCT2008 00:00:37.905487	30

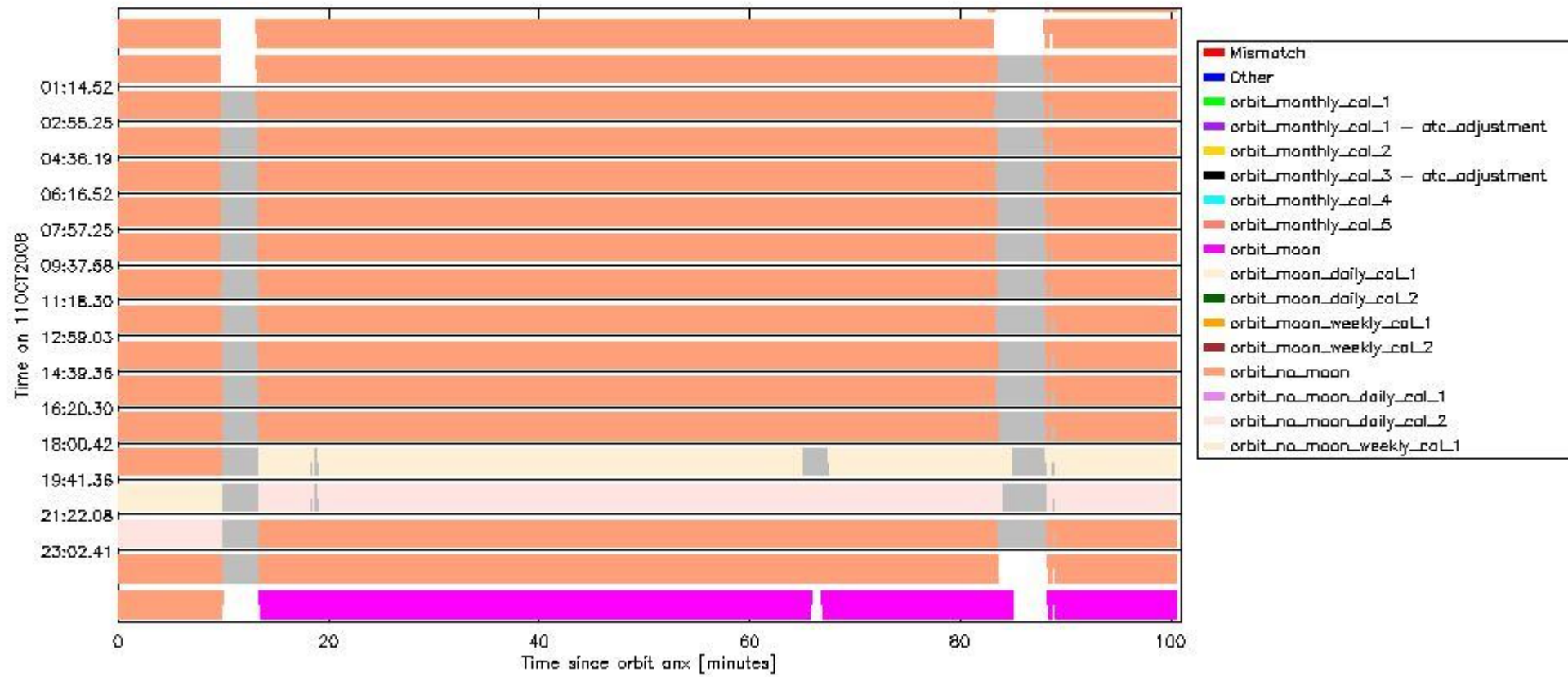


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081011_5.PNG

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 11OCT2008.
 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_20081011_6.PNG

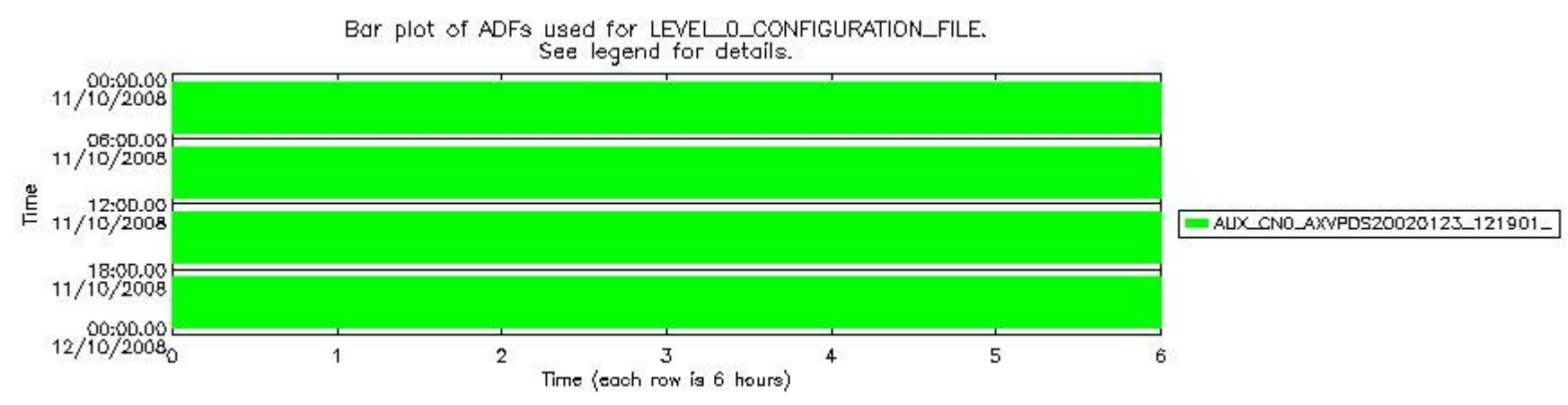
0.4 ADF monitoring

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

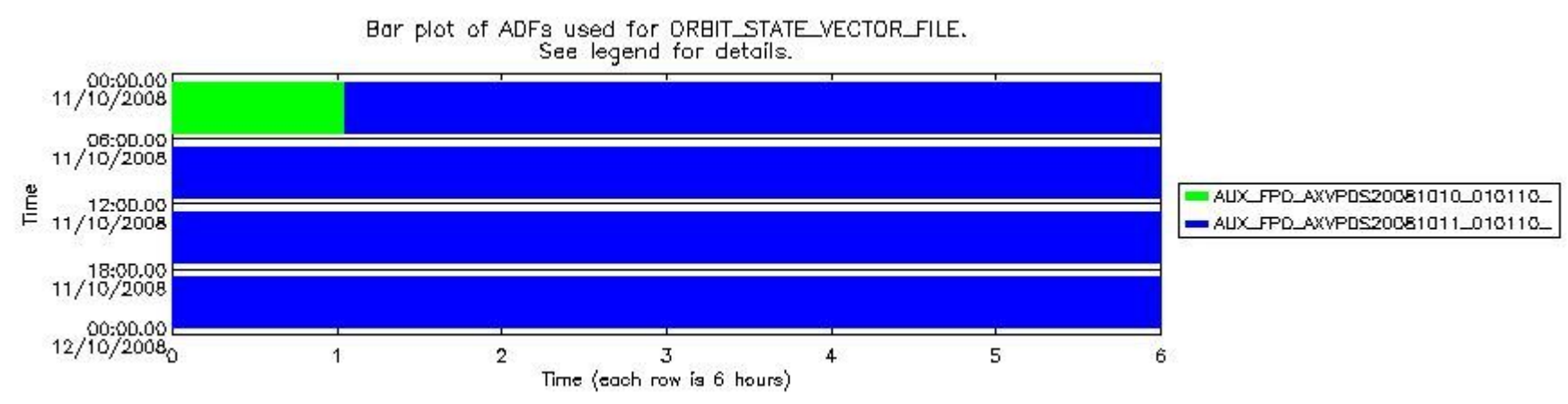
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

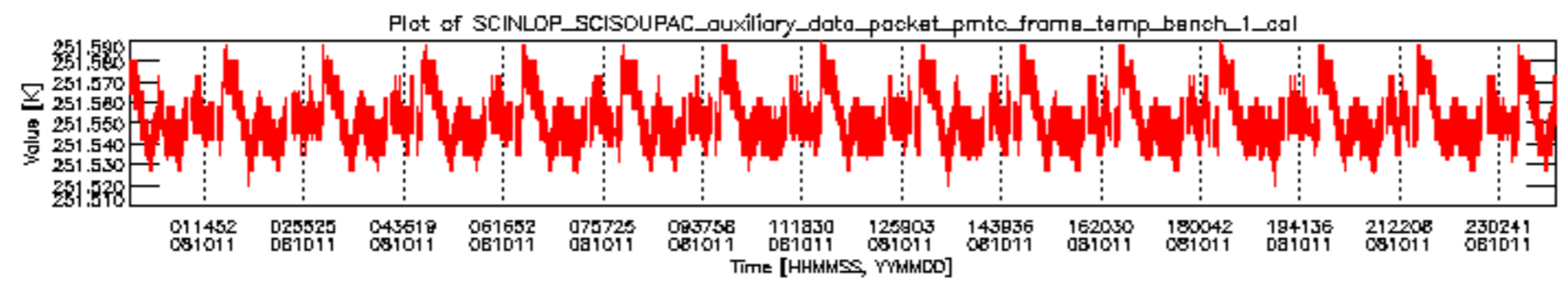
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081010_010110_20081009_190410_20081019_203024
2	AUX_FPO_AXVPDS20081011_010110_20081010_183233_20081020_213922

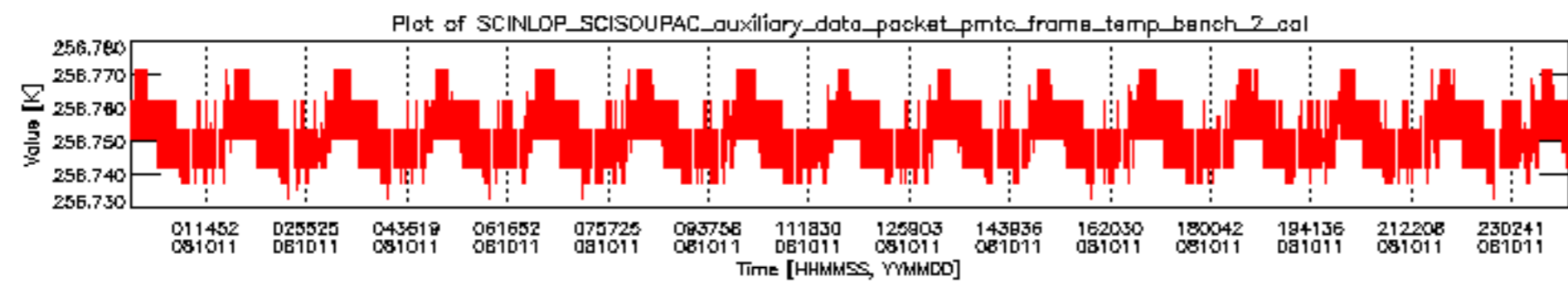


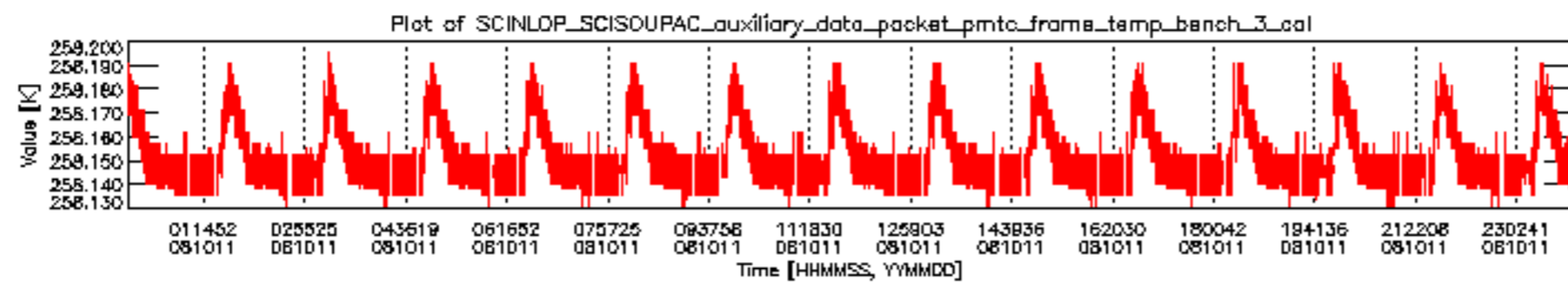
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081011_7.PNG

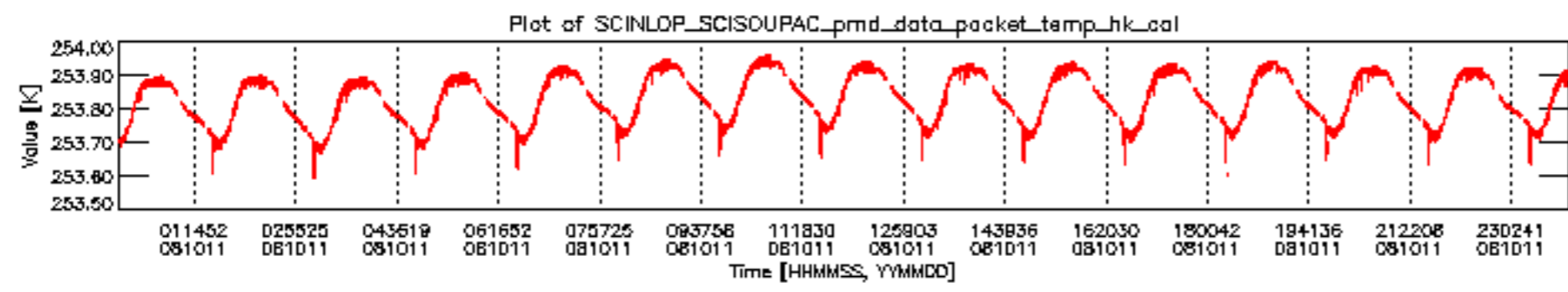


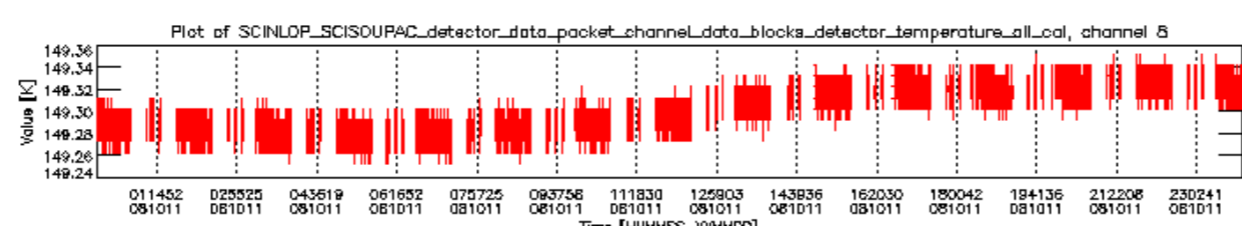
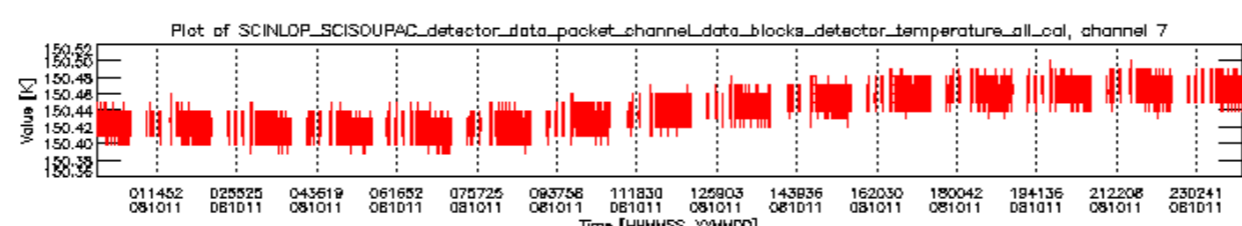
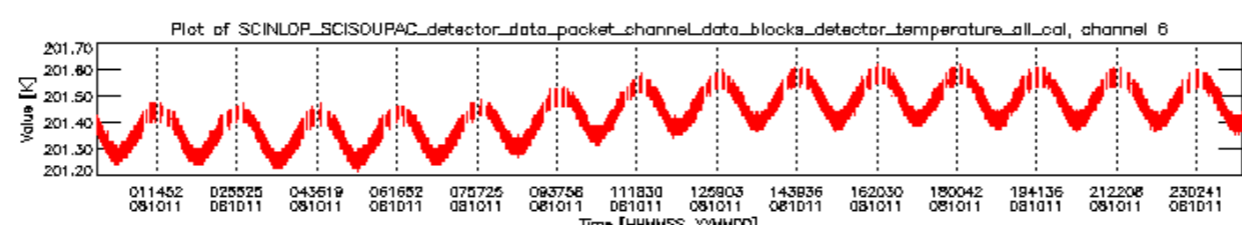
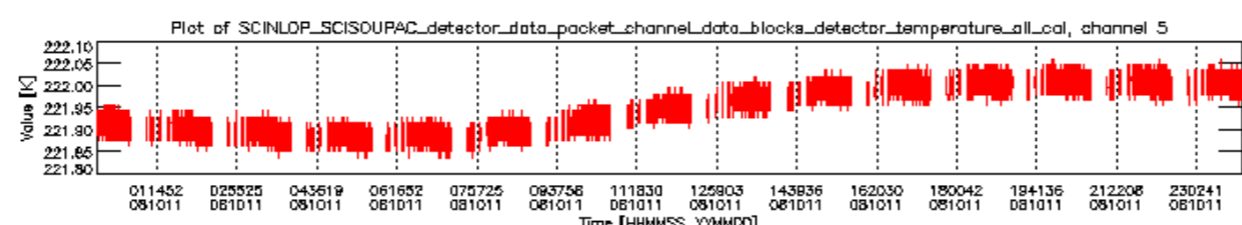
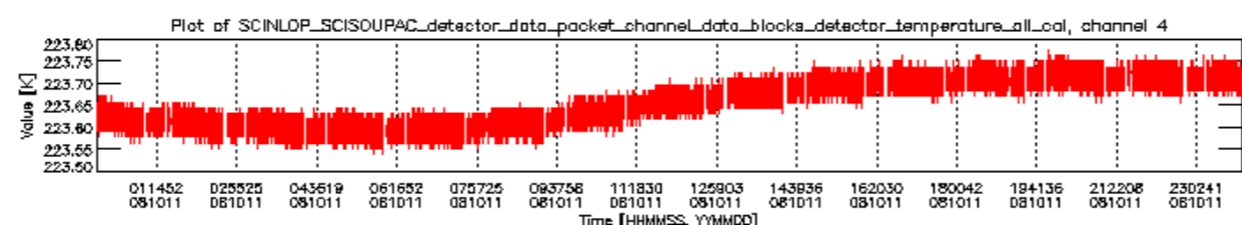
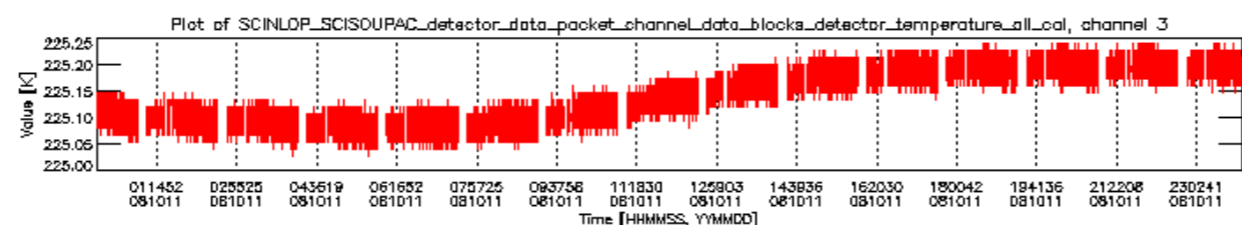
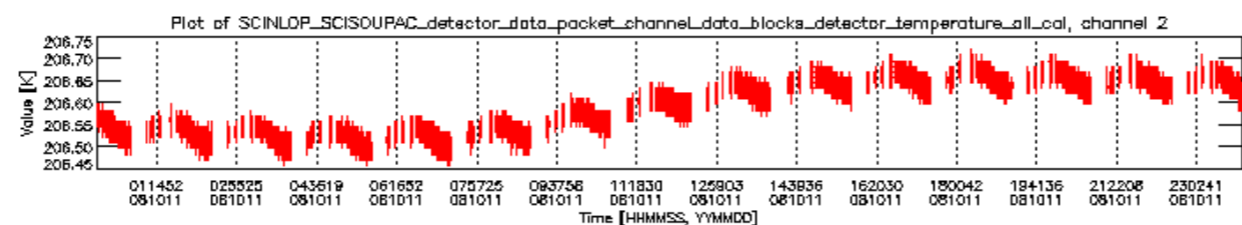
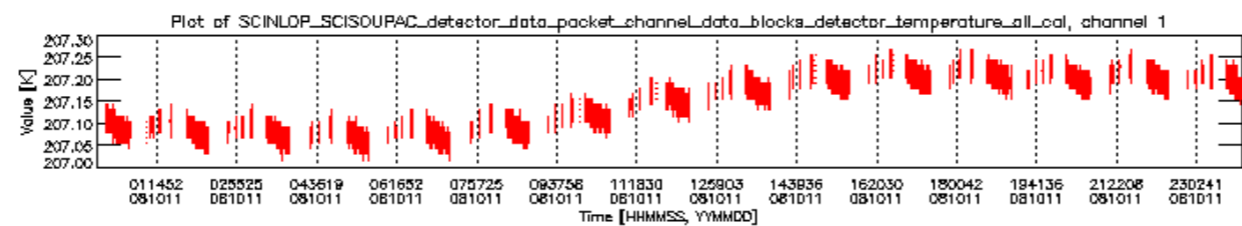
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081011_8.PNG

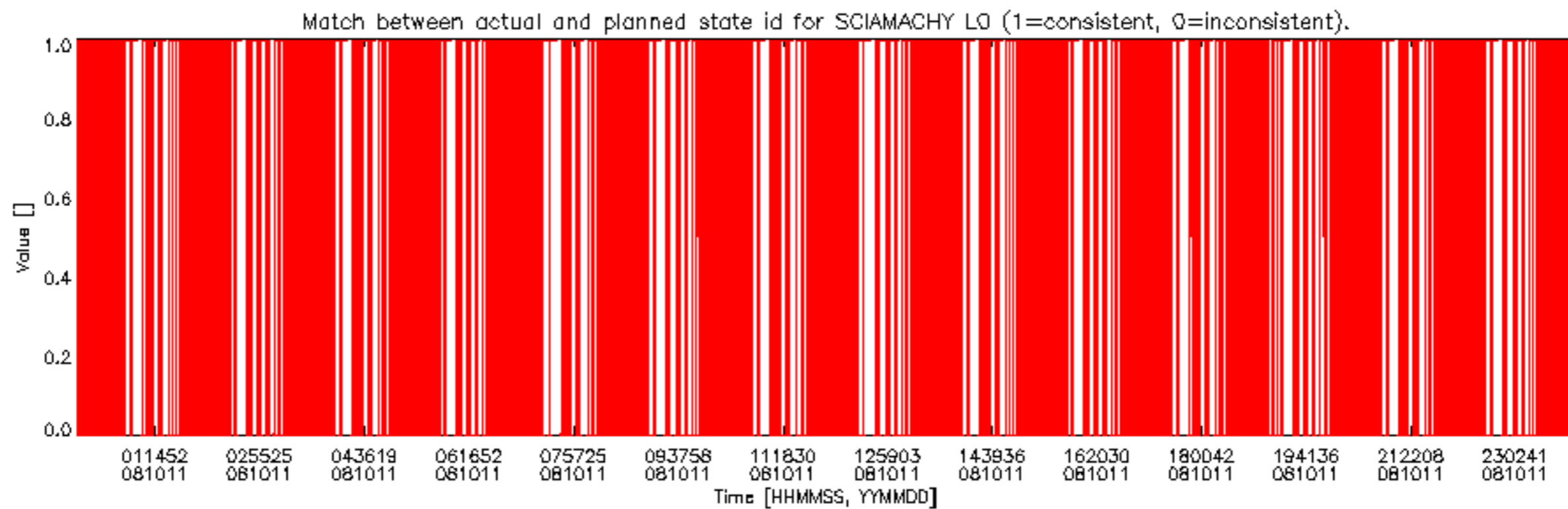
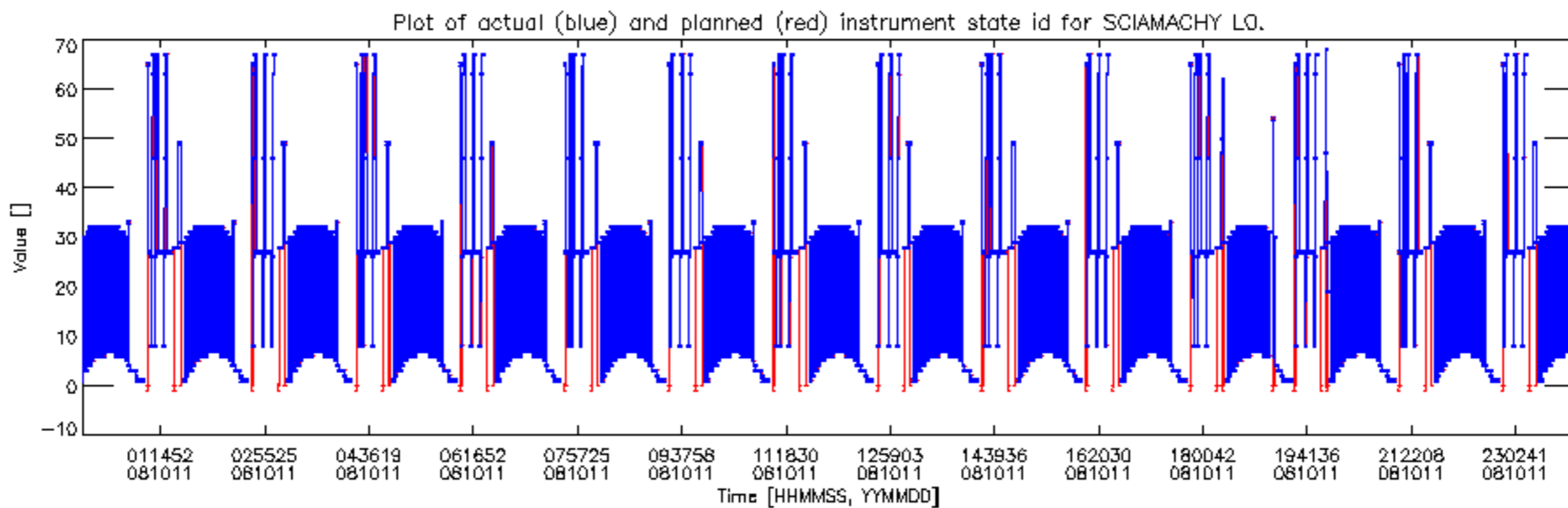












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 11OCT2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

