

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	02OCT2008 05:47:02
Data source version	KSPT_L0/4303-N
Processing scope for products	28SEP2008 00:00:00 to 29SEP2008 00:00:00
Start time of first product within scope	27SEP2008 23:31:45
Stop time of last product within scope	29SEP2008 00:41:00
Total number of level 0 products	16
Number of level 0 products with errors	2

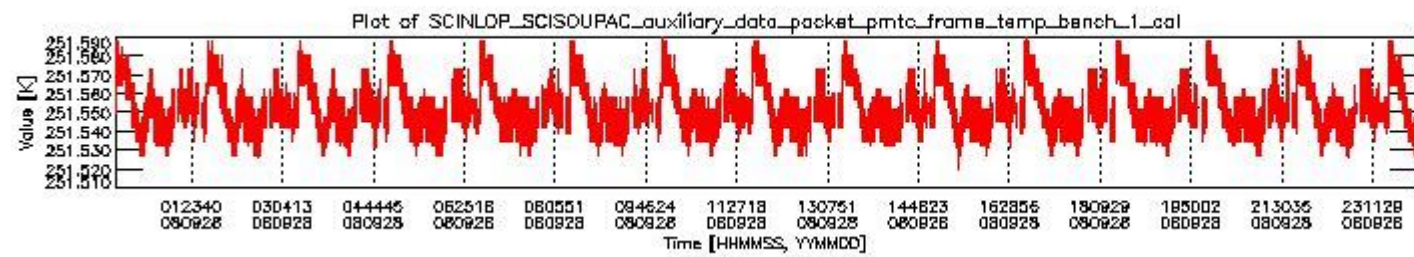
0.1.2 Summary per product

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

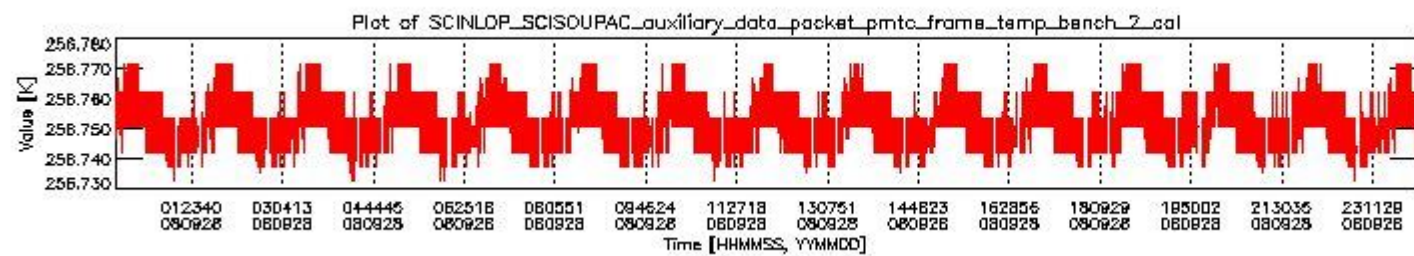
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080927_233145_000060442072_00273_34395_7592.N1	27SEP2008 23:31:45	28SEP2008 01:12:30	0	0	0	0	0
1	SCI_NL__OPNPDE20080928_011102_000046492072_00274_34396_7593.N1	28SEP2008 01:11:02	28SEP2008 02:28:31	0	0	0	0	0
2	SCI_NL__OPNPDE20080928_022831_000058002072_00275_34397_7594.N1	28SEP2008 02:28:31	28SEP2008 04:05:11	0	0	0	0	0
3	SCI_NL__OPNPDE20080928_040402_000060922072_00276_34398_7595.N1	28SEP2008 04:04:02	28SEP2008 05:45:35	0	0	0	0	0
4	SCI_NL__OPNPDE20080928_054535_000061742072_00277_34399_7596.N1	28SEP2008 05:45:35	28SEP2008 07:28:29	0	0	0	0	0
5	SCI_NL__OPNPDK20080928_072829_000038532072_00278_34400_9518.N1	28SEP2008 07:28:29	28SEP2008 08:32:41	1	1	0	0	0
6	SCI_NL__OPNPDK20080928_083133_000062982072_00279_34401_9519.N1	28SEP2008 08:31:33	28SEP2008 10:16:31	0	0	0	0	0
7	SCI_NL__OPNPDK20080928_101522_000059682072_00280_34402_9520.N1	28SEP2008 10:15:22	28SEP2008 11:54:50	0	0	0	0	0
8	SCI_NL__OPNPDK20080928_115354_000059812072_00281_34403_9521.N1	28SEP2008 11:53:54	28SEP2008 13:33:35	0	0	0	0	0
9	SCI_NL__OPNPDK20080928_133226_000058432072_00282_34404_9522.N1	28SEP2008 13:32:26	28SEP2008 15:09:49	0	0	0	0	0
10	SCI_NL__OPNPDK20080928_150758_000059812072_00283_34405_9523.N1	28SEP2008 15:07:58	28SEP2008 16:47:38	0	0	0	0	0
11	SCI_NL__OPNPDK20080928_164642_000060162072_00284_34406_9524.N1	28SEP2008 16:46:42	28SEP2008 18:26:59	0	0	0	0	0
12	SCI_NL__OPNPDK20080928_182621_000059572072_00285_34407_9525.N1	28SEP2008 18:26:21	28SEP2008 20:05:38	1	1	0	0	0
13	SCI_NL__OPNPDE20080928_200441_000043742072_00286_34408_7597.N1	28SEP2008 20:04:41	28SEP2008 21:17:35	0	0	0	0	0
14	SCI_NL__OPNPDE20080928_211651_000062042072_00286_34408_7598.N1	28SEP2008 21:16:51	28SEP2008 23:00:16	0	0	0	0	0
15	SCI_NL__OPNPDE20080928_225942_000060782072_00287_34409_7599.N1	28SEP2008 22:59:42	29SEP2008 00:41:00	0	0	0	0	0

0.2 Product Quality Indicators

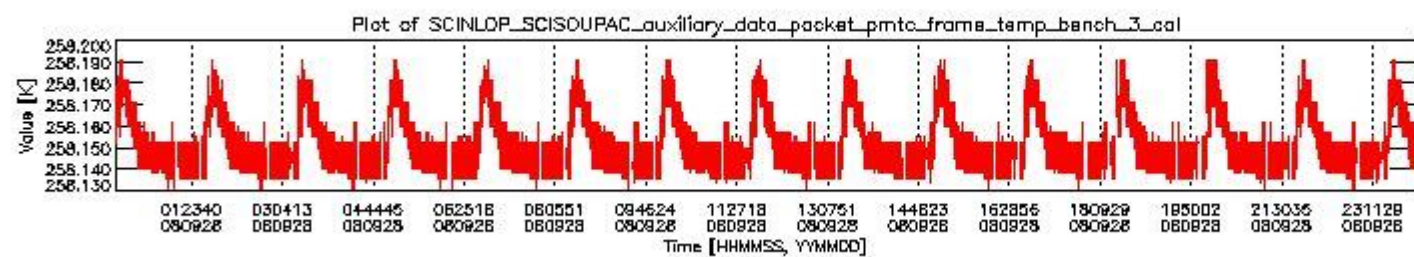
This section shows information about product quality, currently temperatures.



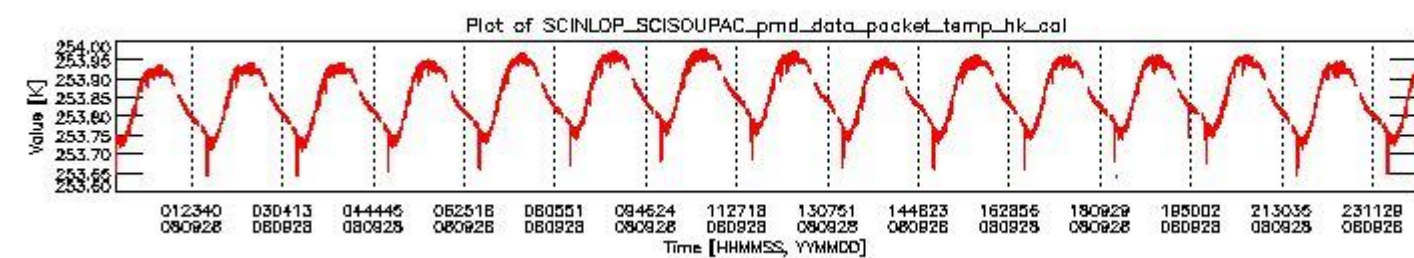
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080928_0.PNG



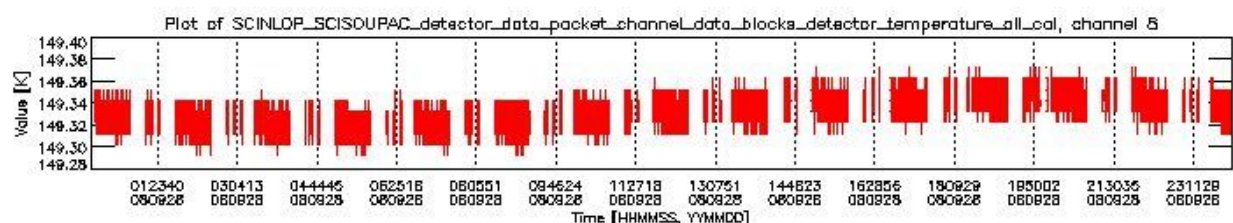
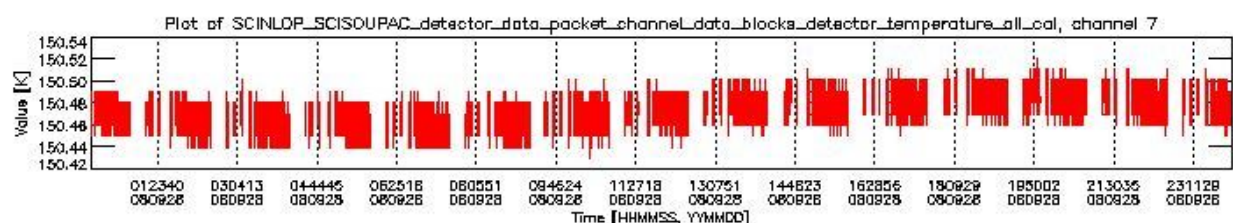
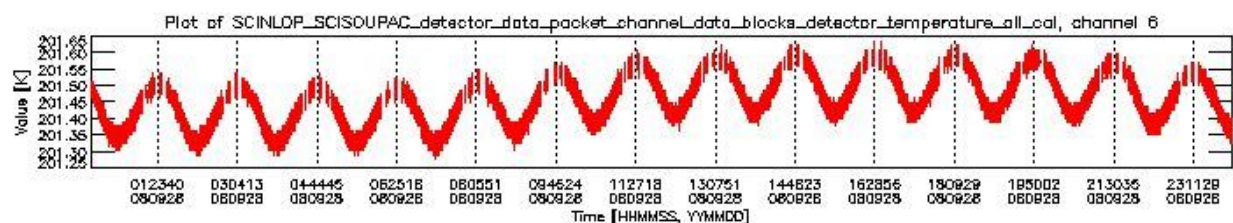
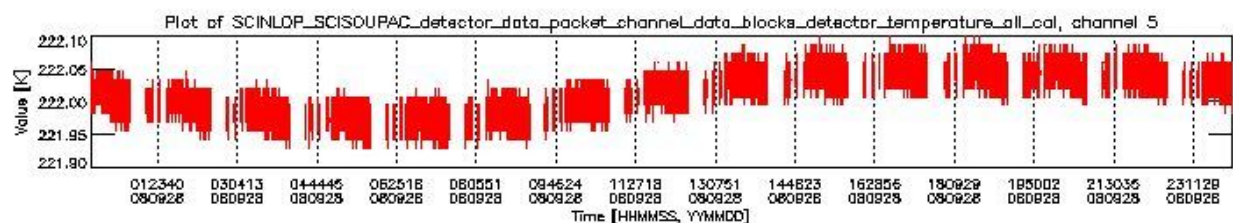
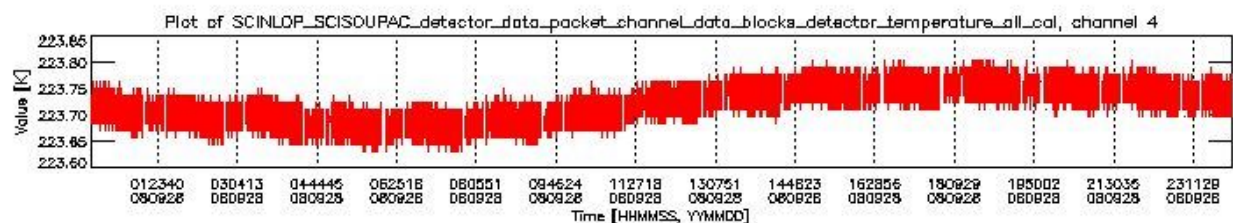
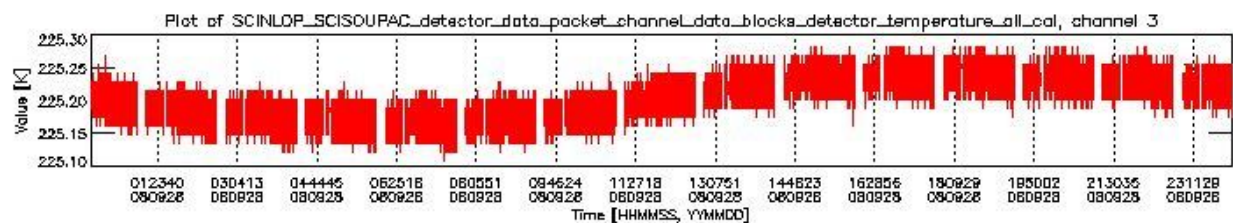
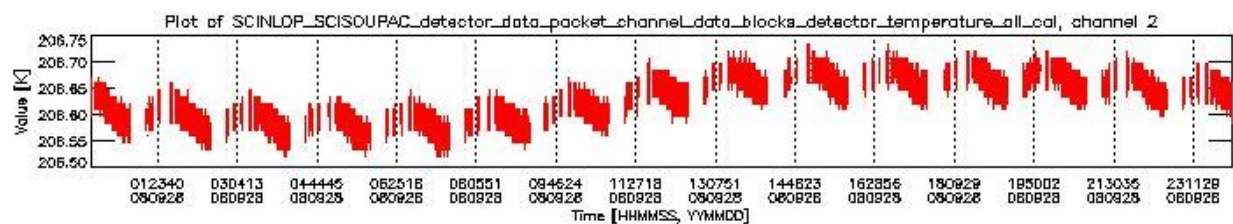
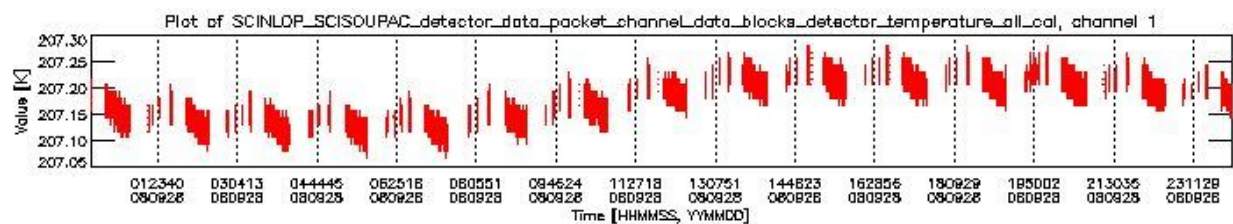
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080928_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080928_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080928_3.PNG

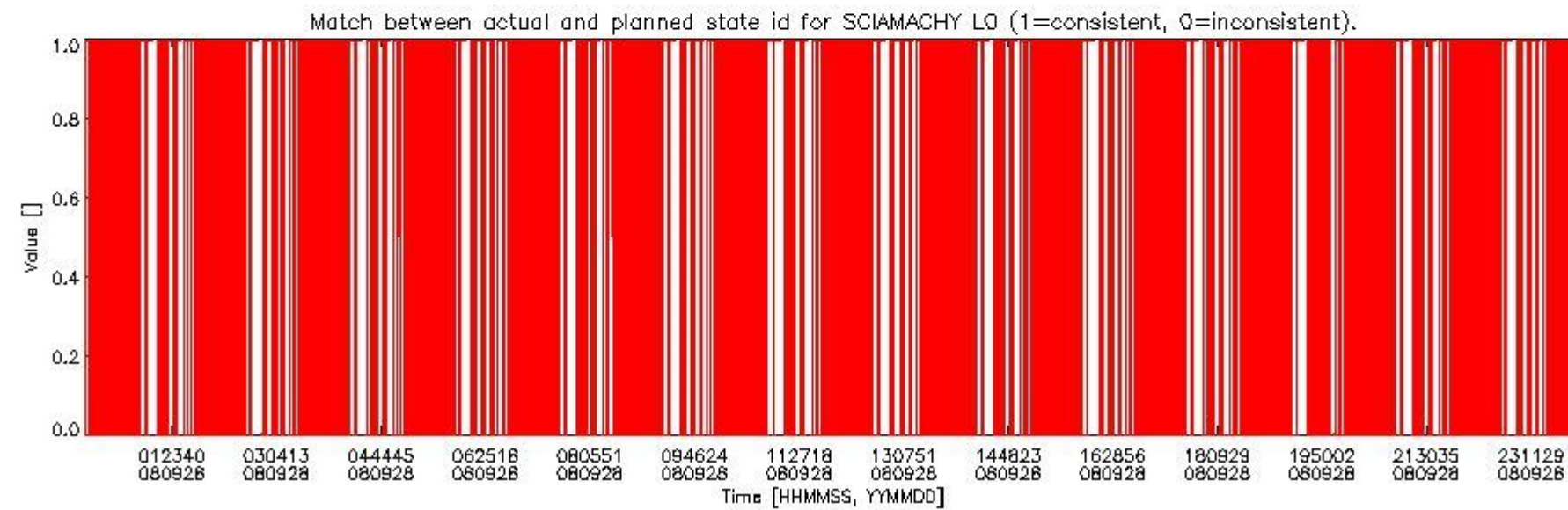
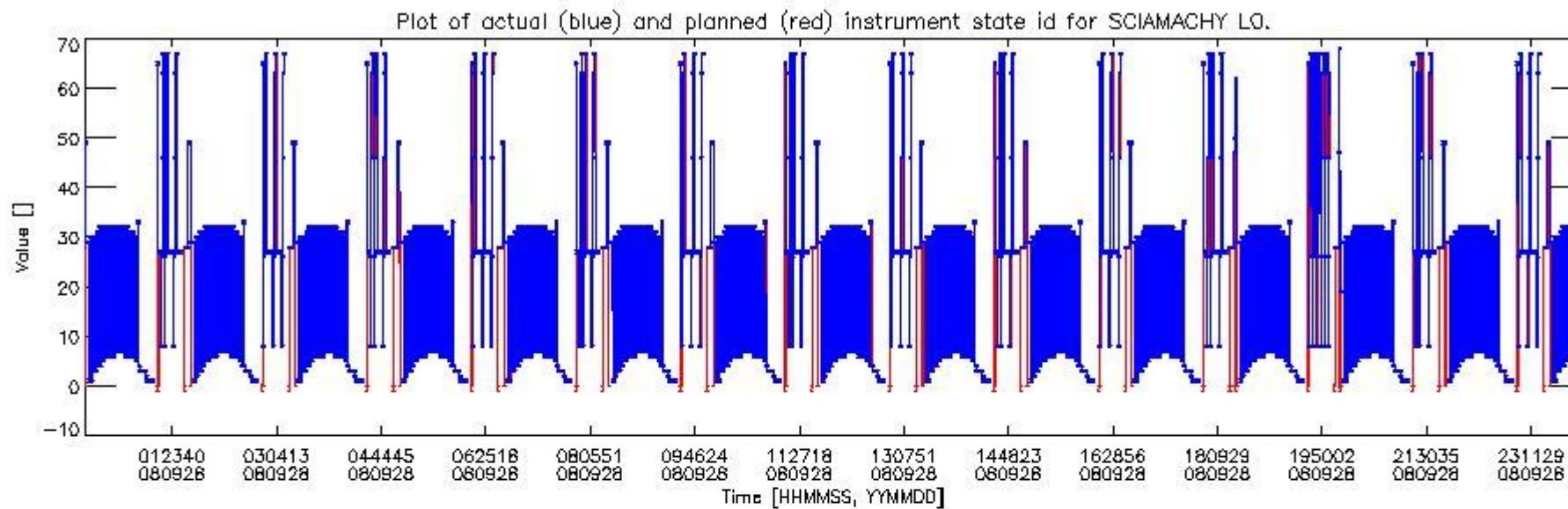


0.3 State monitoring

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: **47382**

#	Actual time	Actual value	Planned time	Planned value
0	28SEP2008 00:00:38.350748	29	28SEP2008 00:00:38.350748	0
1	28SEP2008 00:00:38.975729	29	28SEP2008 00:00:38.975729	0
2	28SEP2008 00:00:39.350742	29	28SEP2008 00:00:39.350742	0
3	28SEP2008 00:00:39.725755	29	28SEP2008 00:00:39.725755	0
4	28SEP2008 00:00:40.288255	29	28SEP2008 00:00:40.288255	0
5	28SEP2008 00:00:40.663227	29	28SEP2008 00:00:40.663227	0
6	28SEP2008 00:00:41.038240	29	28SEP2008 00:00:41.038240	0
7	28SEP2008 00:00:41.413254	29	28SEP2008 00:00:41.413254	0
8	28SEP2008 00:00:41.975753	29	28SEP2008 00:00:41.975753	0
9	28SEP2008 00:00:42.350726	29	28SEP2008 00:00:42.350726	0
10	28SEP2008 00:00:42.725739	29	28SEP2008 00:00:42.725739	0
11	28SEP2008 00:00:43.100752	29	28SEP2008 00:00:43.100752	0
12	28SEP2008 00:00:43.350720	29	28SEP2008 00:00:43.350720	0
13	28SEP2008 00:00:43.663251	29	28SEP2008 00:00:43.663251	0
14	28SEP2008 00:00:44.038224	29	28SEP2008 00:00:44.038224	0
15	28SEP2008 00:00:44.413237	29	28SEP2008 00:00:44.413237	0
16	28SEP2008 00:00:44.788250	29	28SEP2008 00:00:44.788250	0
17	28SEP2008 00:00:45.350750	29	28SEP2008 00:00:45.350750	0
18	28SEP2008 00:00:45.725723	29	28SEP2008 00:00:45.725723	0
19	28SEP2008 00:00:46.100736	29	28SEP2008 00:00:46.100736	0

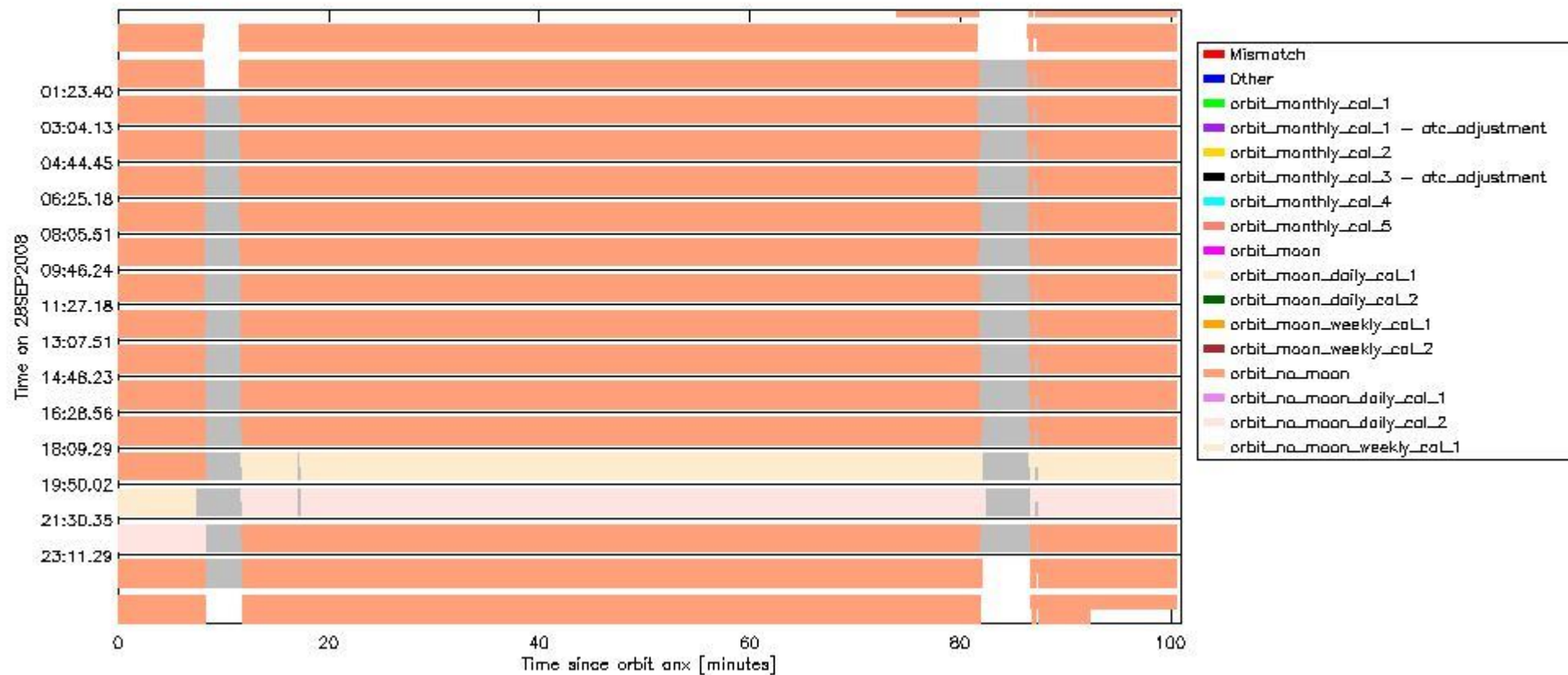


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080928_5.PNG

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 28SEP2008.
 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_20080928_6.PNG

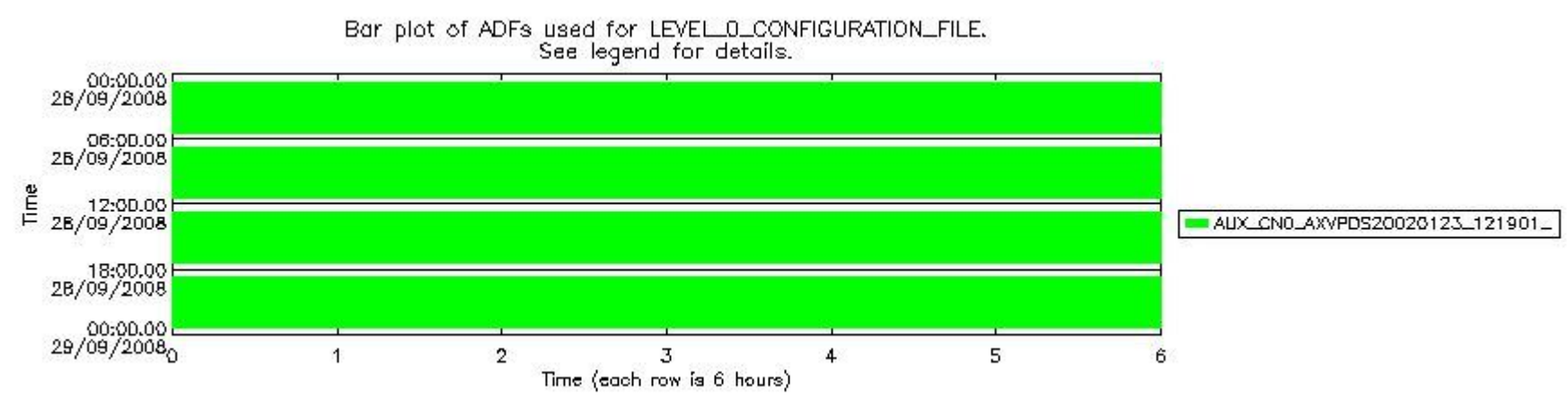
0.4 ADF monitoring

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

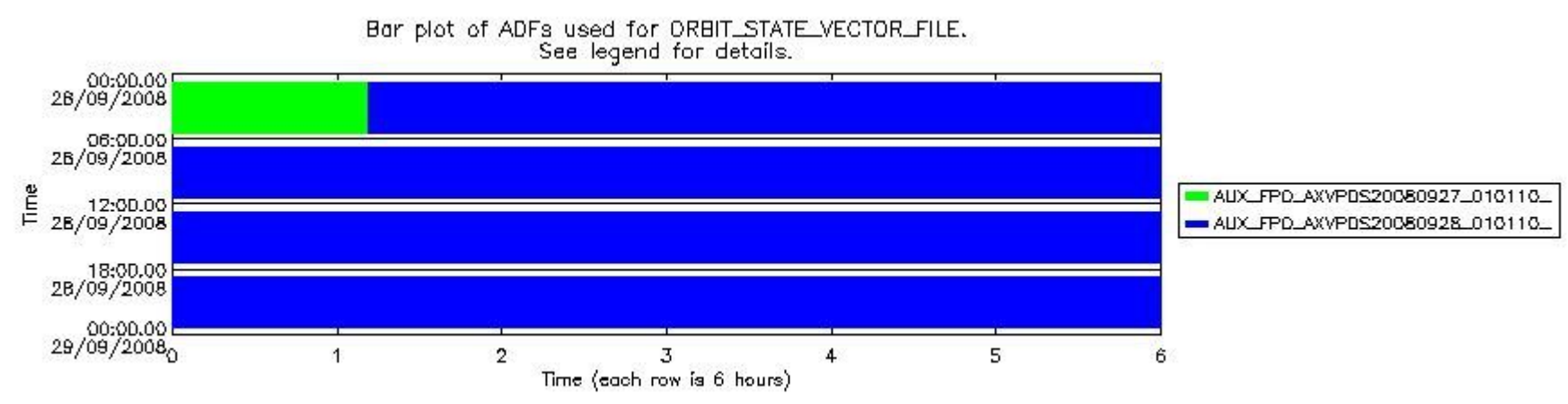
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

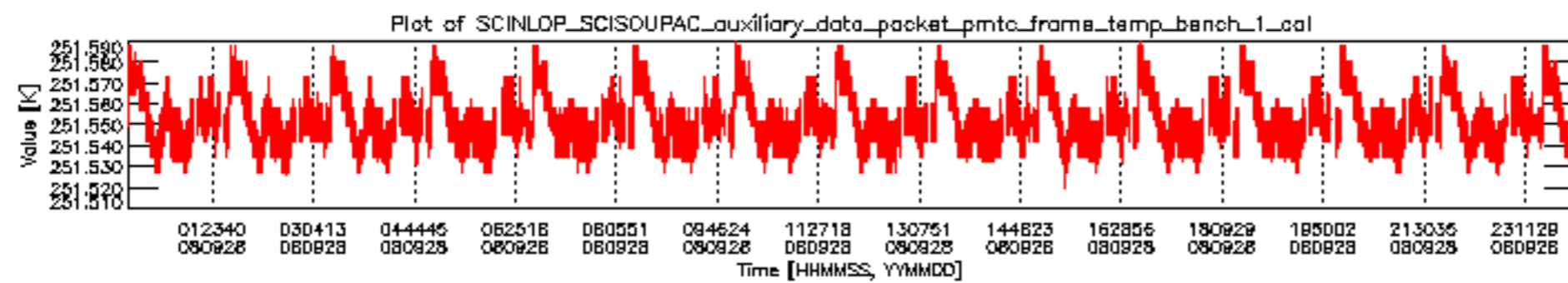
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080927_010110_20080926_191247_20081006_203901
2	AUX_FPO_AXVPDS20080928_010110_20080927_184110_20081007_200724

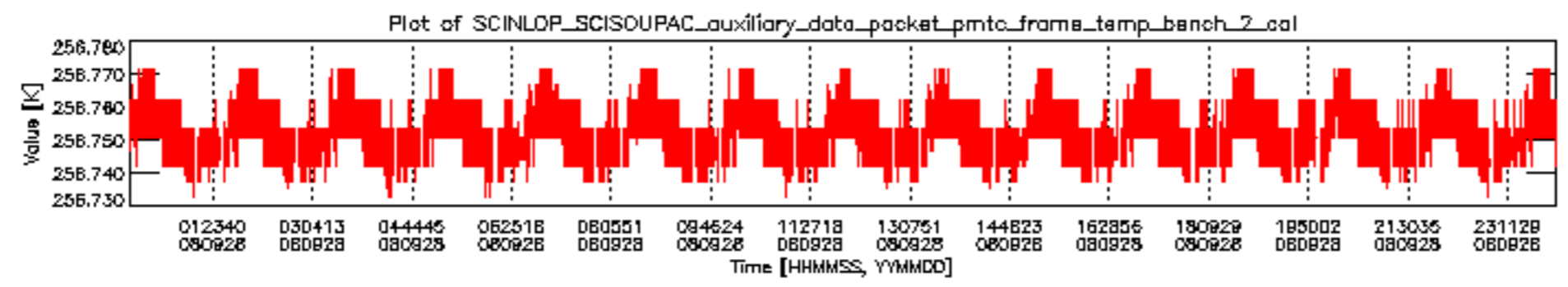


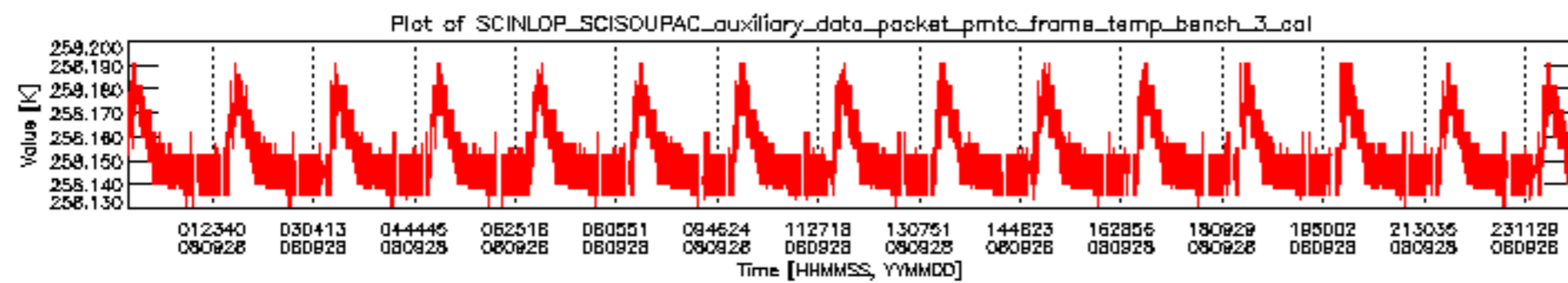
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080928_7.PNG

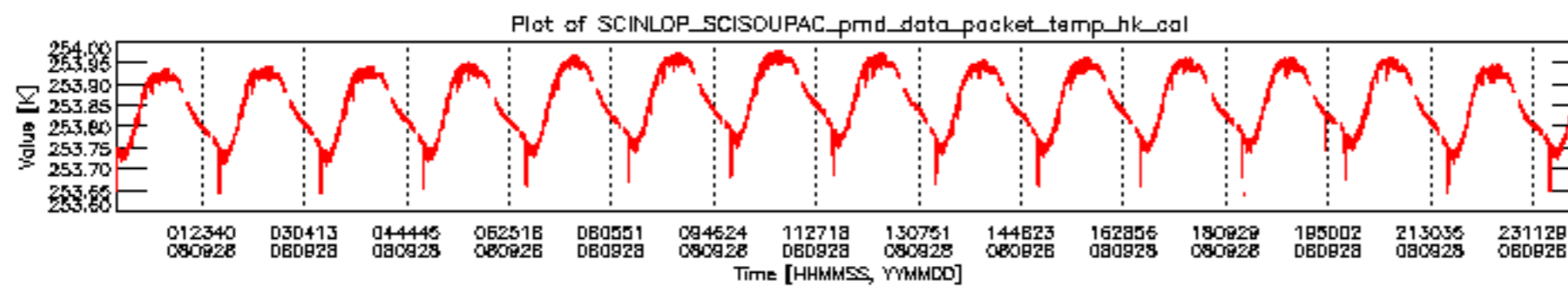


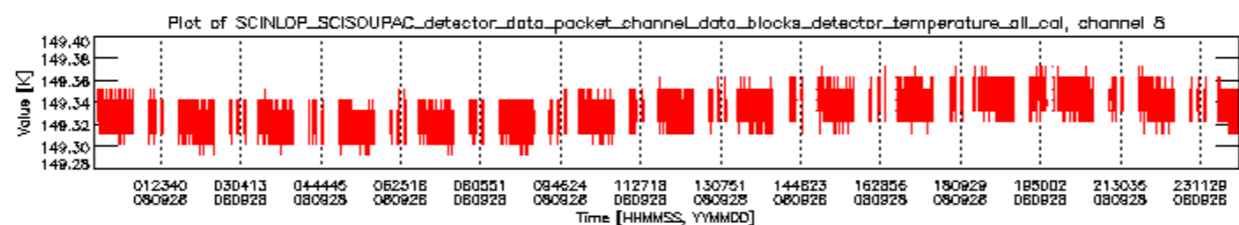
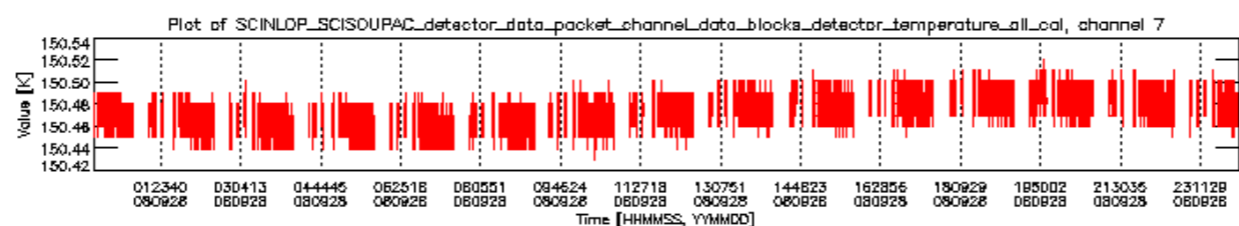
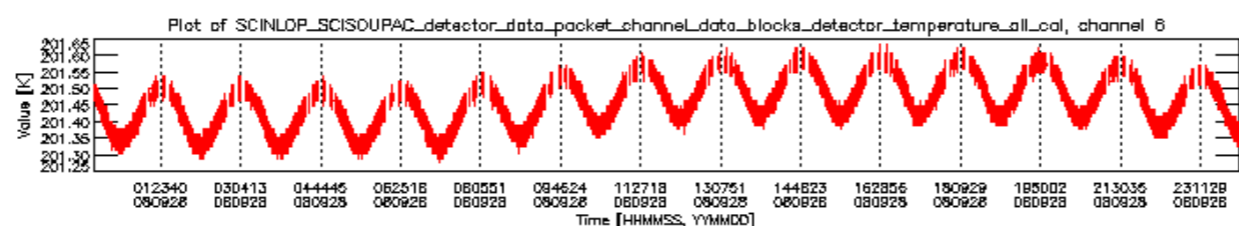
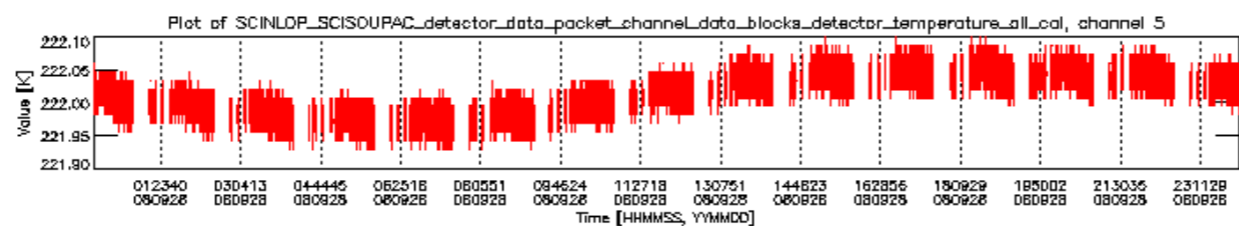
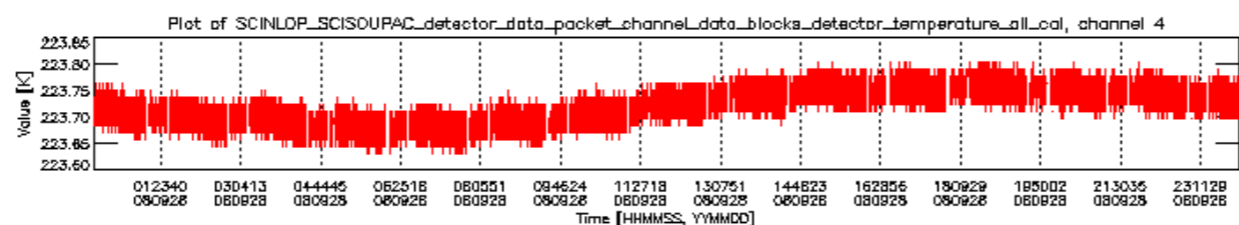
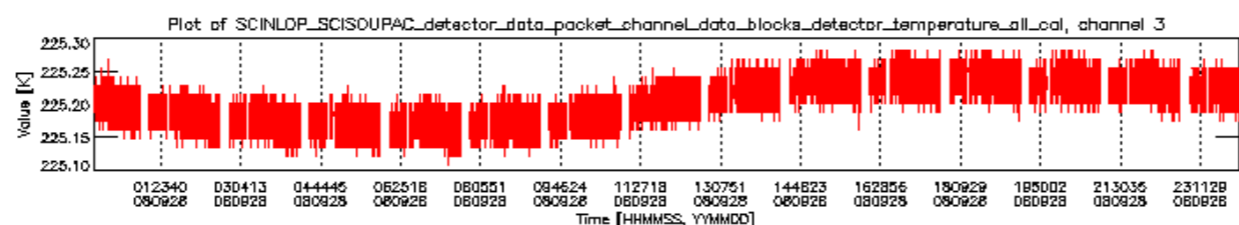
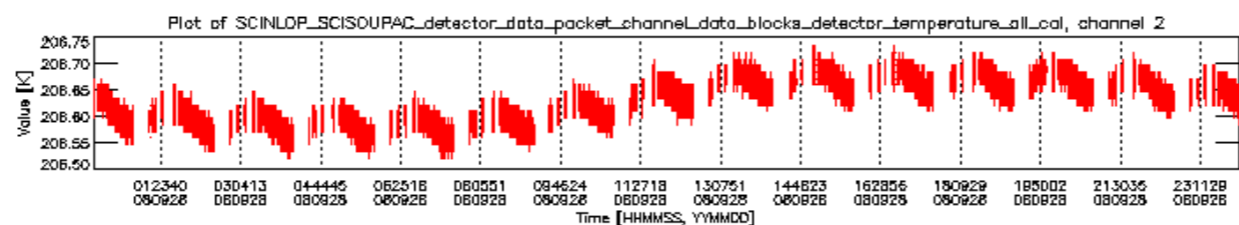
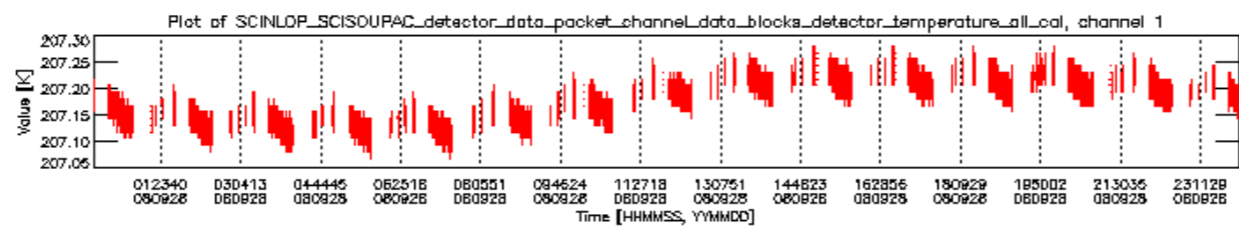
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080928_8.PNG

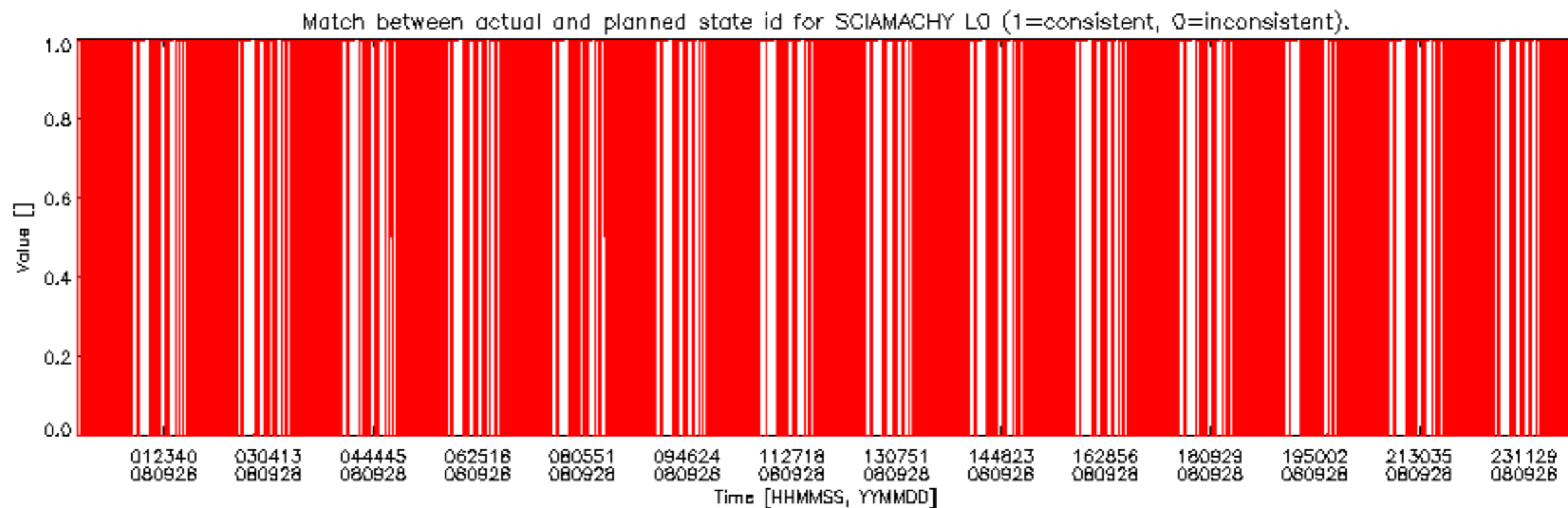
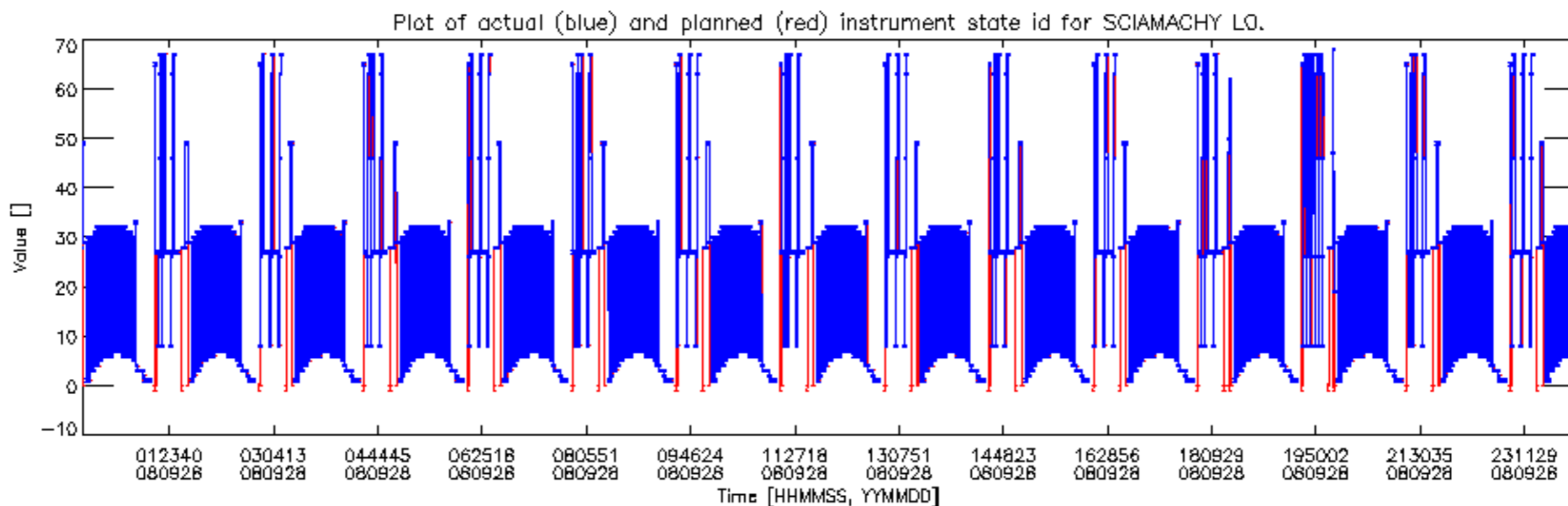












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 28SEP2008.
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