

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	11SEP2008 05:27:15
Data source version	KSPT_L0/4303-N
Processing scope for products	07SEP2008 00:00:00 to 08SEP2008 00:00:00
Start time of first product within scope	06SEP2008 22:51:01
Stop time of last product within scope	08SEP2008 00:00:12
Total number of level 0 products	16
Number of level 0 products with errors	3

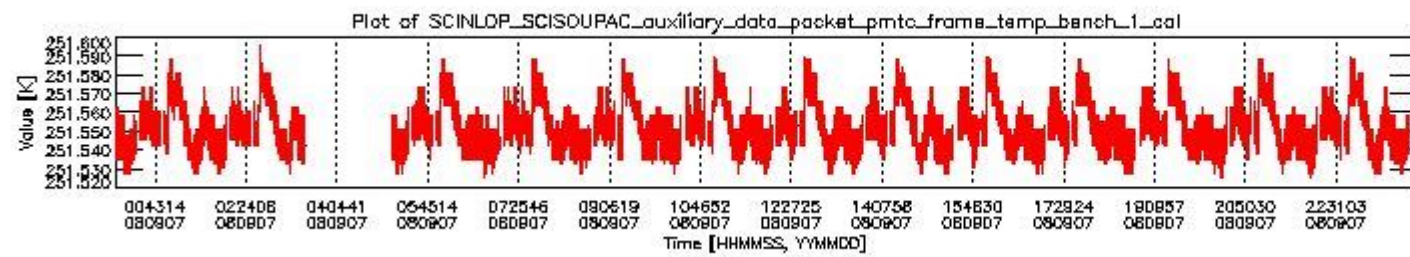
0.1.2 Summary per product

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

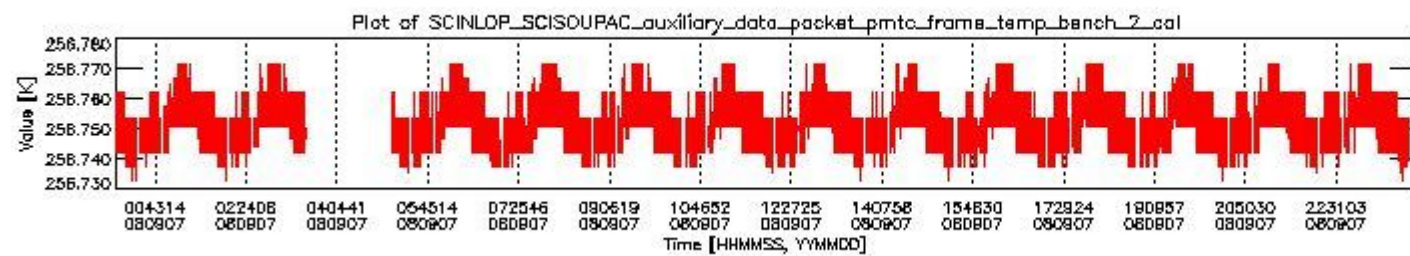
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080906_225101_000060072071_00473_34094_7462.N1	06SEP2008 22:51:01	07SEP2008 00:31:08	0	0	0	0	0
1	SCI_NL__OPNPDE20080907_003021_000059042071_00474_34095_7463.N1	07SEP2008 00:30:21	07SEP2008 02:08:45	0	0	0	0	0
2	SCI_NL__OPNPDE20080907_020802_000048842071_00475_34096_7464.N1	07SEP2008 02:08:02	07SEP2008 03:29:26	0	0	0	0	0
3	SCI_NL__OPNPDE20080907_050445_000061052071_00477_34098_7466.N1	07SEP2008 05:04:45	07SEP2008 06:46:30	0	0	0	0	0
4	SCI_NL__OPNPDK20080907_064534_000040332071_00478_34099_9272.N1	07SEP2008 06:45:34	07SEP2008 07:52:47	0	0	0	0	0
5	SCI_NL__OPNPDK20080907_075247_000061732071_00479_34100_9273.N1	07SEP2008 07:52:47	07SEP2008 09:35:40	0	0	0	0	0
6	SCI_NL__OPNPDK20080907_093540_000059682071_00480_34101_9274.N1	07SEP2008 09:35:40	07SEP2008 11:15:08	0	0	0	0	0
7	SCI_NL__OPNPDK20080907_111400_000059802071_00481_34102_9275.N1	07SEP2008 11:14:00	07SEP2008 12:53:40	0	0	0	0	0
8	SCI_NL__OPNPDK20080907_125340_000059682071_00482_34103_9276.N1	07SEP2008 12:53:40	07SEP2008 14:33:08	0	0	0	0	0
9	SCI_NL__OPNPDK20080907_143308_000058562071_00483_34104_9277.N1	07SEP2008 14:33:08	07SEP2008 16:10:44	0	0	0	0	0
10	SCI_NL__OPNPDK20080907_160948_000058632071_00484_34105_9278.N1	07SEP2008 16:09:48	07SEP2008 17:47:32	1	1	0	0	0
11	SCI_NL__OPNPDK20080907_174540_000060922071_00485_34106_9279.N1	07SEP2008 17:45:40	07SEP2008 19:27:12	1	1	0	0	0
12	SCI_NL__OPNPDK20080907_192616_000006092071_00486_34107_9280.N1	07SEP2008 19:26:16	07SEP2008 19:36:26	0	0	0	0	0
13	SCI_NL__OPNPDK20080907_193626_000054632071_00486_34107_9281.N1	07SEP2008 19:36:26	07SEP2008 21:07:29	1	1	0	0	0
14	SCI_NL__OPNPDE20080907_210537_000043062071_00487_34108_7467.N1	07SEP2008 21:05:37	07SEP2008 22:17:23	0	0	0	0	0
15	SCI_NL__OPNPDE20080907_221723_000061692071_00487_34108_7468.N1	07SEP2008 22:17:23	08SEP2008 00:00:12	0	0	0	0	0

0.2 Product Quality Indicators

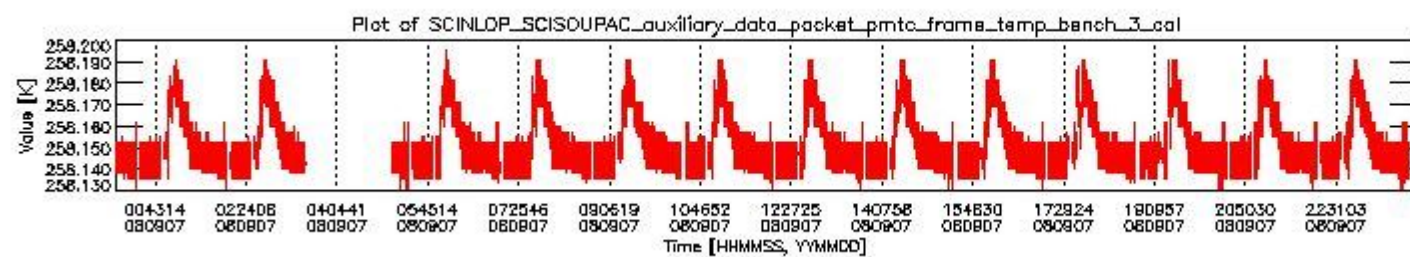
This section shows information about product quality, currently temperatures.



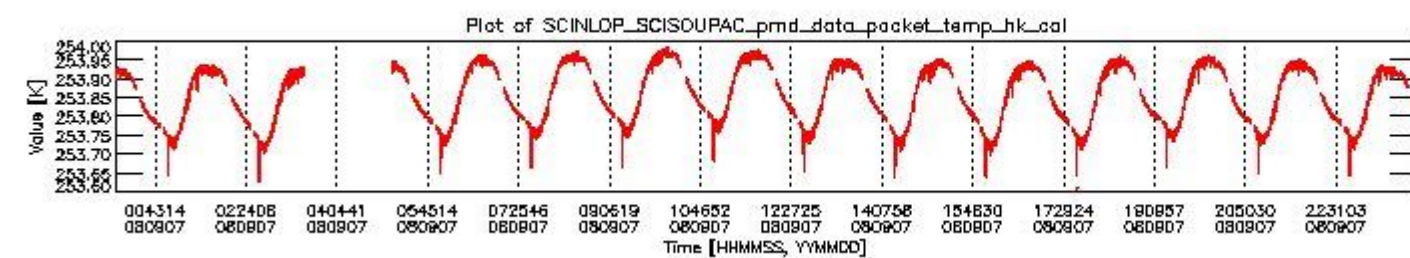
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080907_0.PNG



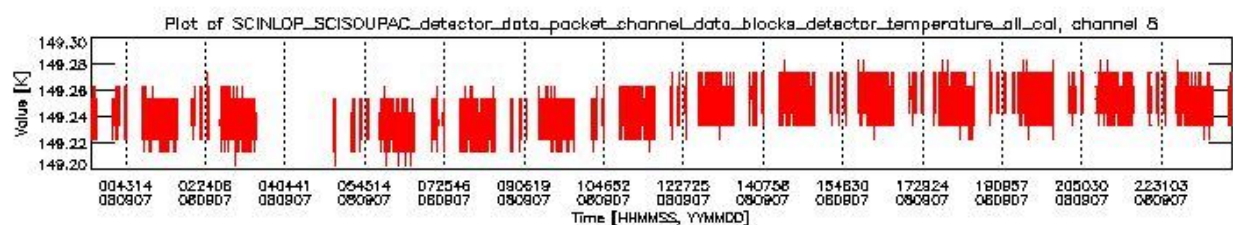
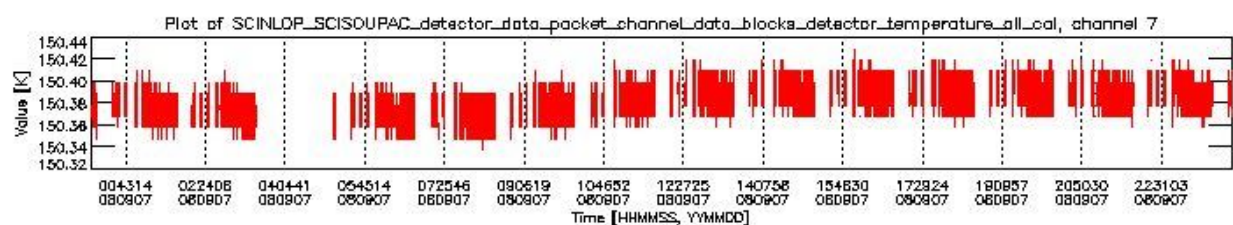
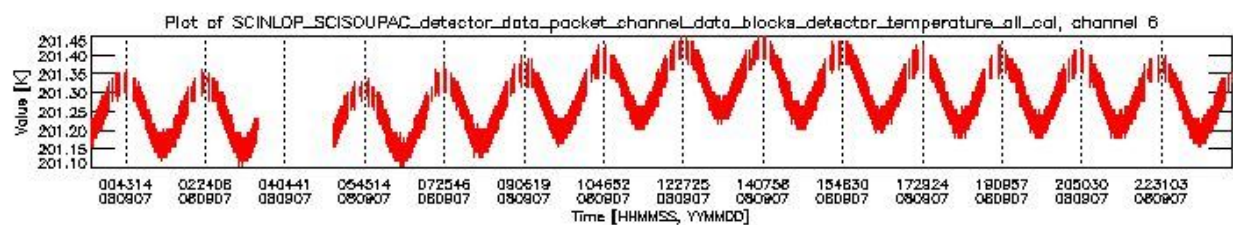
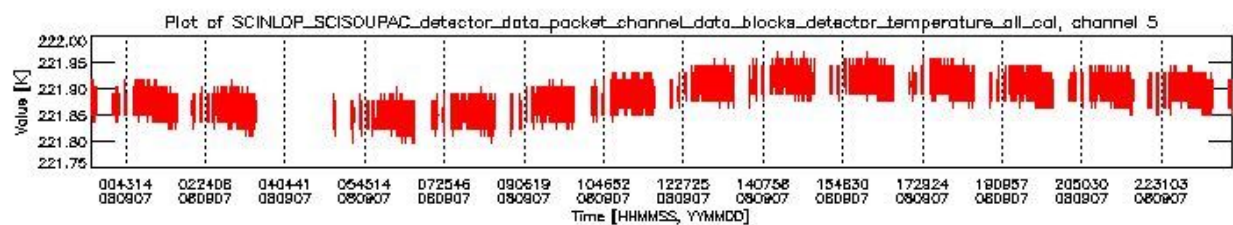
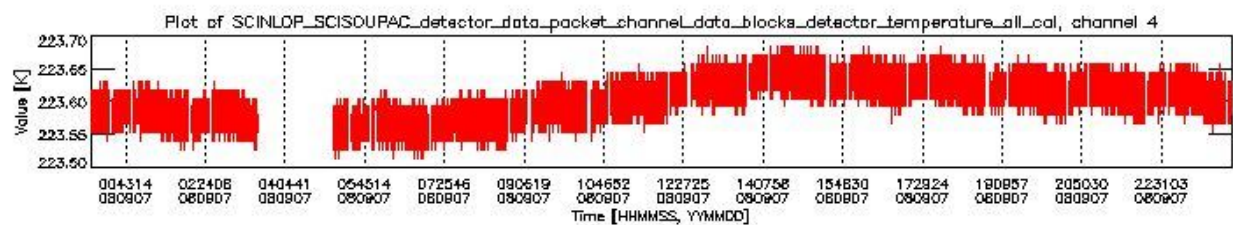
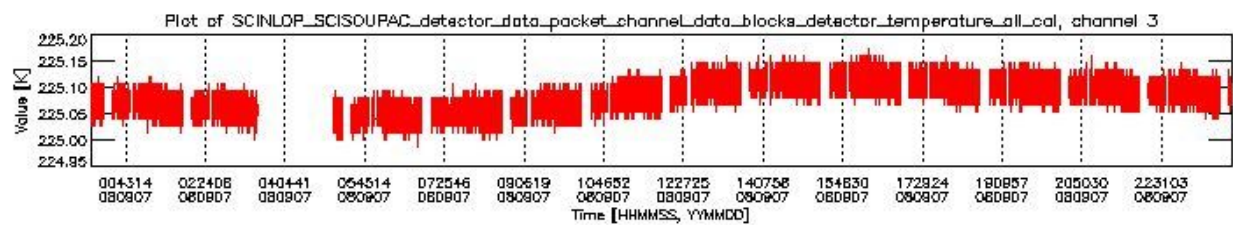
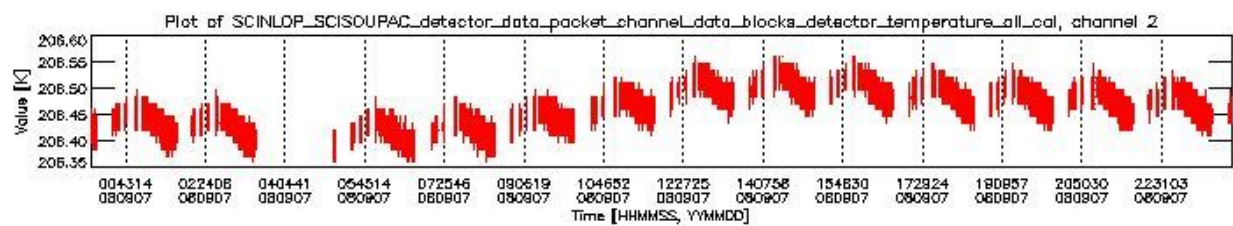
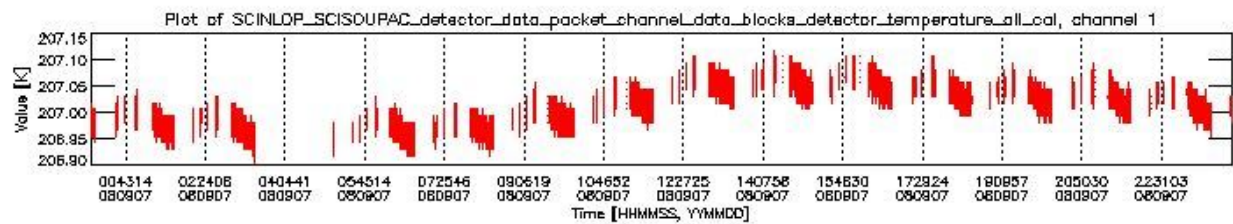
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080907_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080907_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080907_3.PNG

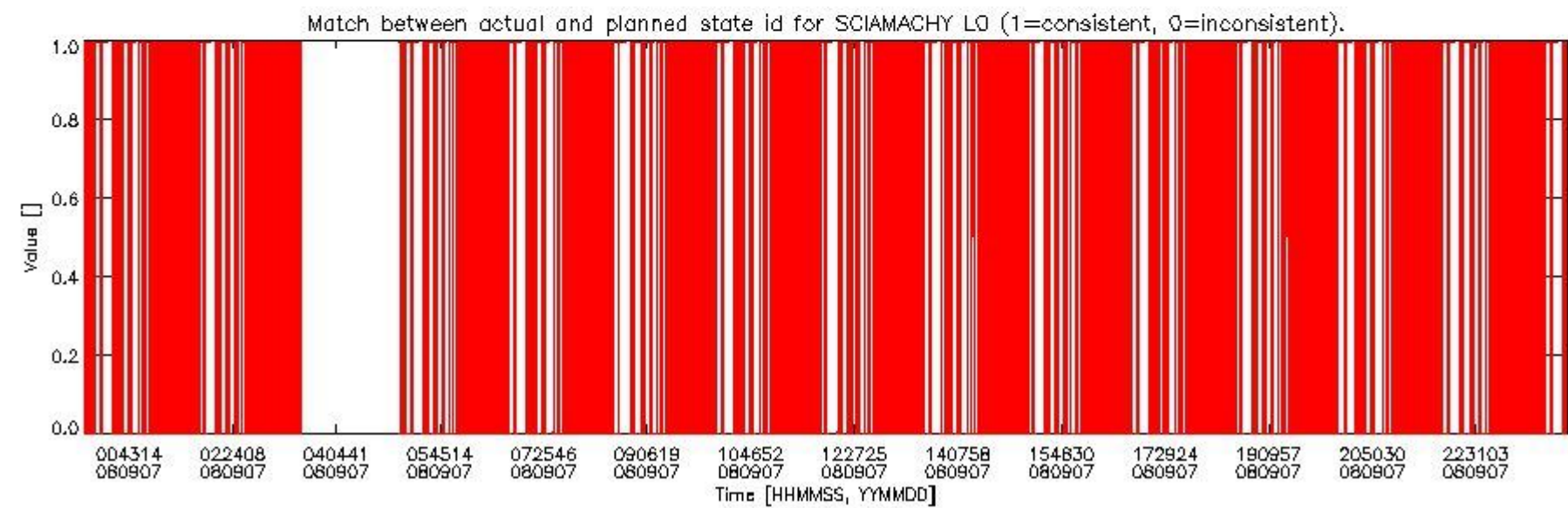
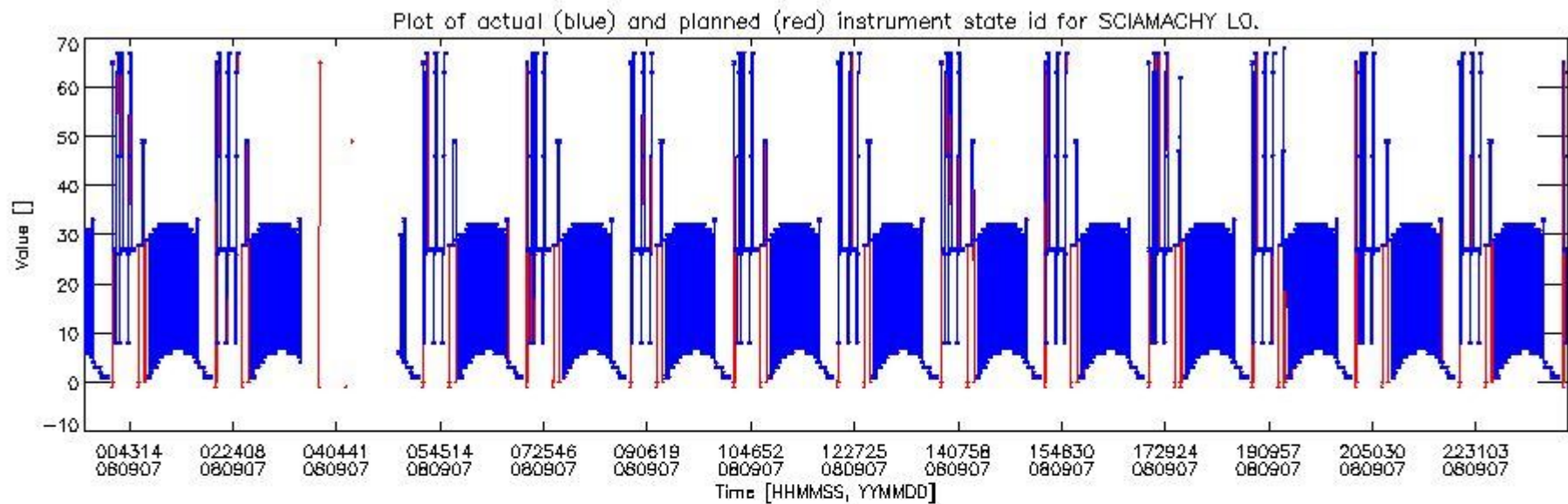


0.3 State monitoring

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: **50396**

#	Actual time	Actual value	Planned time	Planned value
0	07SEP2008 00:00:00.105290	6	07SEP2008 00:00:00.105290	31
1	07SEP2008 00:00:00.355259	6	07SEP2008 00:00:00.355259	31
2	07SEP2008 00:00:00.605267	6	07SEP2008 00:00:00.605267	31
3	07SEP2008 00:00:00.730272	6	07SEP2008 00:00:00.730272	31
4	07SEP2008 00:00:00.855276	6	07SEP2008 00:00:00.855276	31
5	07SEP2008 00:00:01.105285	6	07SEP2008 00:00:01.105285	31
6	07SEP2008 00:00:01.355253	6	07SEP2008 00:00:01.355253	31
7	07SEP2008 00:00:01.605262	6	07SEP2008 00:00:01.605262	31
8	07SEP2008 00:00:01.855271	6	07SEP2008 00:00:01.855271	31
9	07SEP2008 00:00:02.105279	6	07SEP2008 00:00:02.105279	31
10	07SEP2008 00:00:02.355288	6	07SEP2008 00:00:02.355288	31
11	07SEP2008 00:00:02.605256	6	07SEP2008 00:00:02.605256	31
12	07SEP2008 00:00:02.855265	6	07SEP2008 00:00:02.855265	31
13	07SEP2008 00:00:03.105274	6	07SEP2008 00:00:03.105274	31
14	07SEP2008 00:00:03.355283	6	07SEP2008 00:00:03.355283	31
15	07SEP2008 00:00:03.605251	6	07SEP2008 00:00:03.605251	31
16	07SEP2008 00:00:03.855260	6	07SEP2008 00:00:03.855260	31
17	07SEP2008 00:00:04.105268	6	07SEP2008 00:00:04.105268	31
18	07SEP2008 00:00:04.355277	6	07SEP2008 00:00:04.355277	31
19	07SEP2008 00:00:04.605286	6	07SEP2008 00:00:04.605286	31

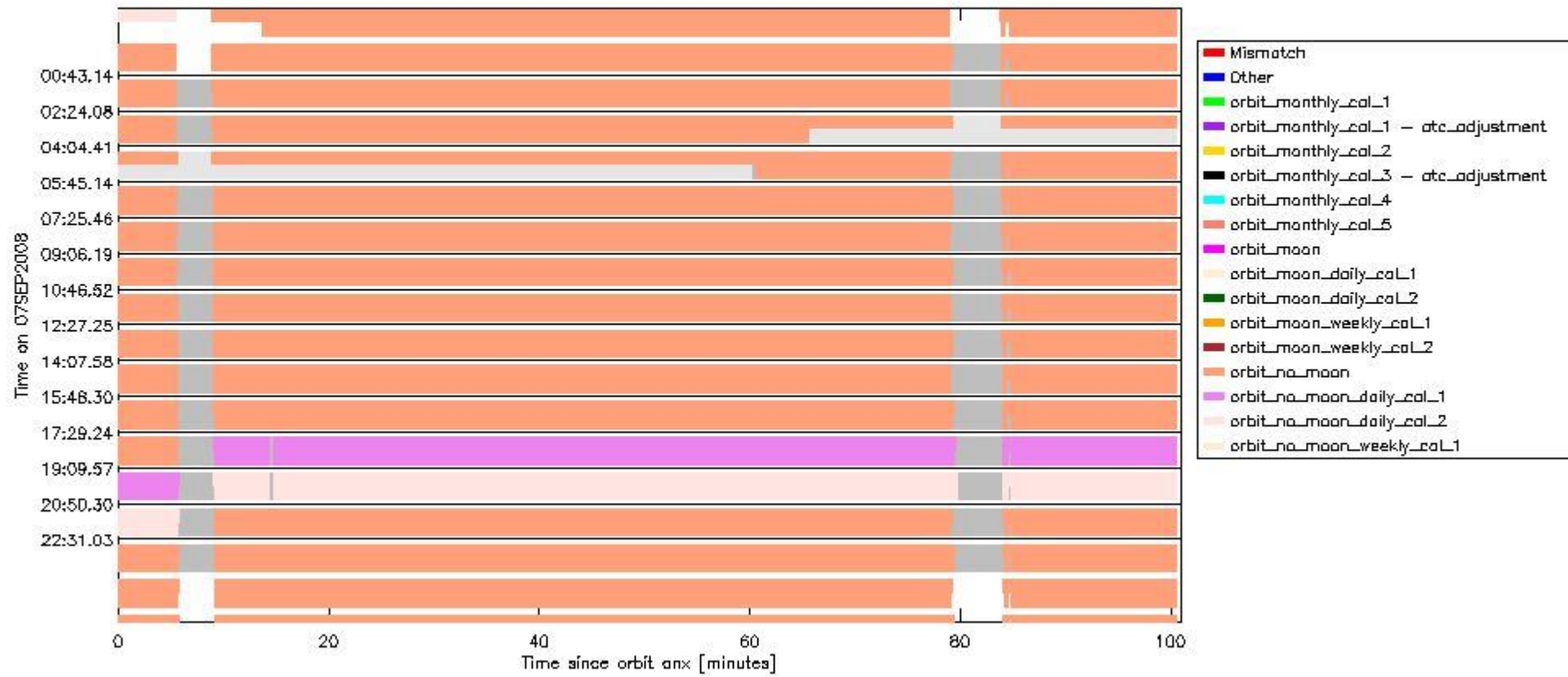


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080907_5.PNG

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 07SEP2008.
 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_20080907_6.PNG

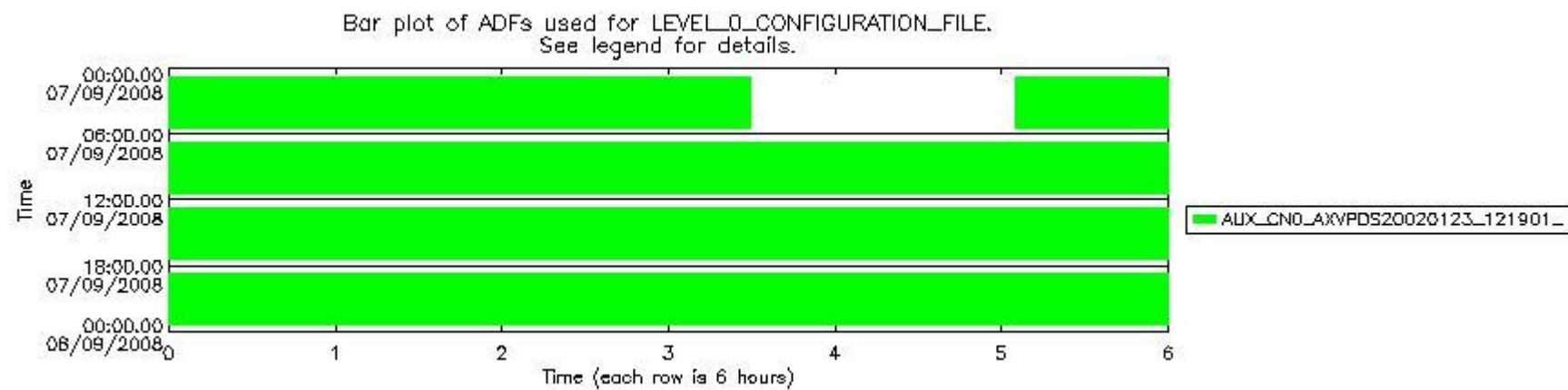
0.4 ADF monitoring

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

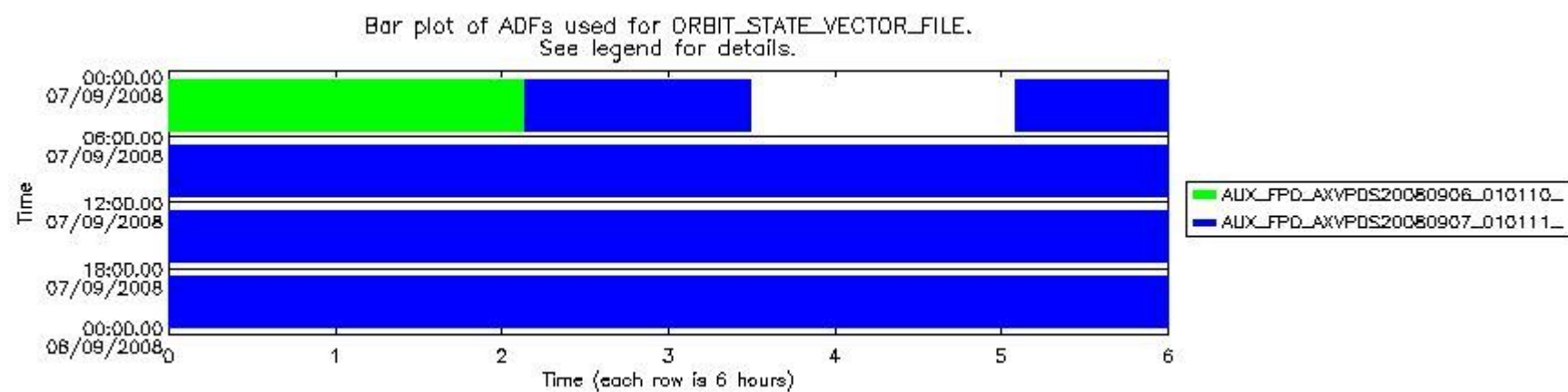
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

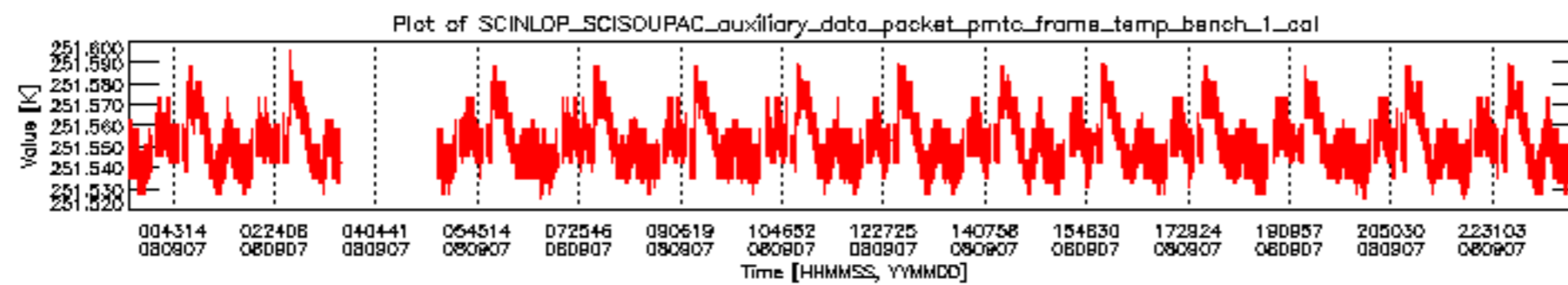
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080906_010110_20080905_183231_20080915_213919
2	AUX_FPO_AXVPDS20080907_010111_20080906_194130_20080916_210742

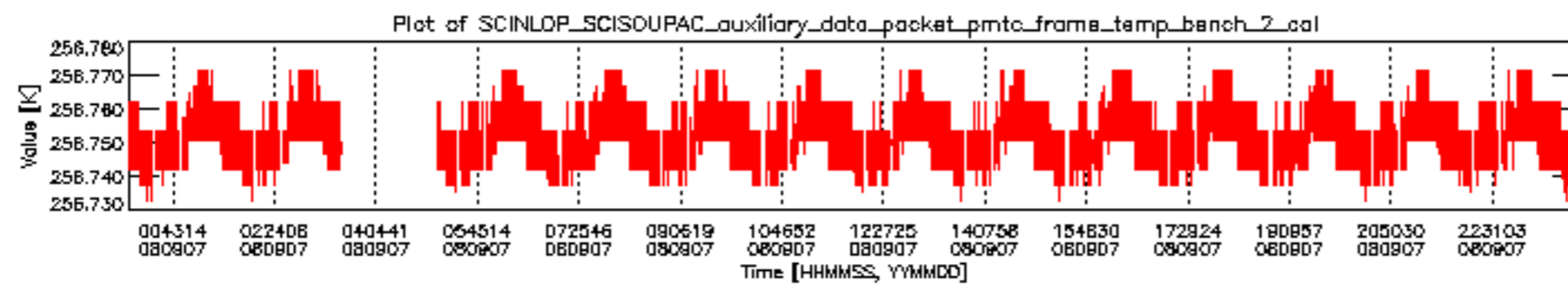


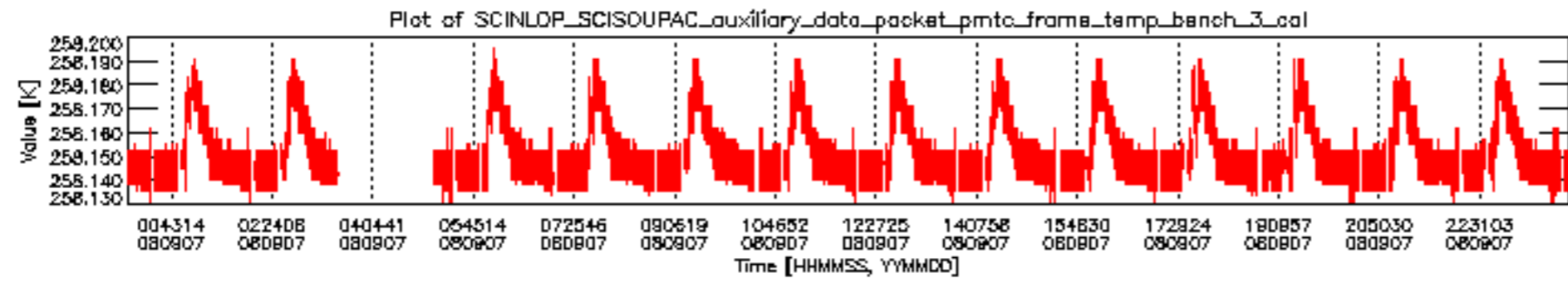
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080907_7.PNG

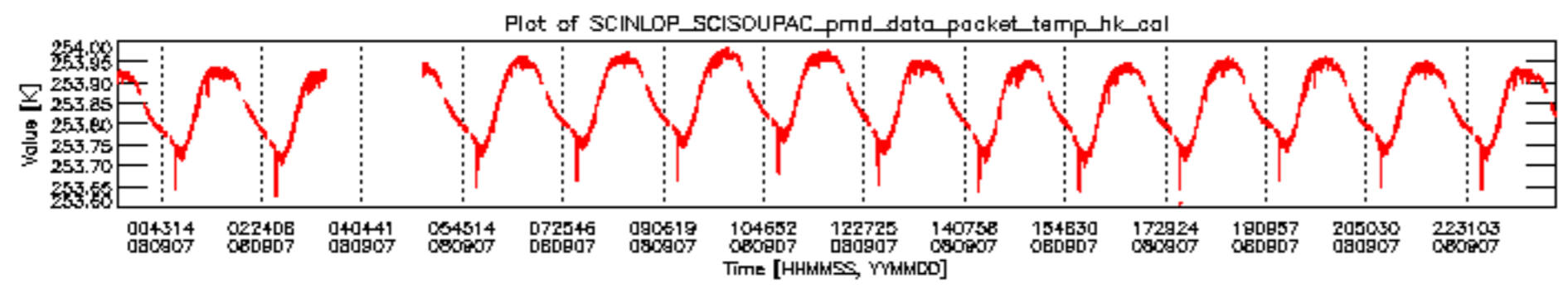


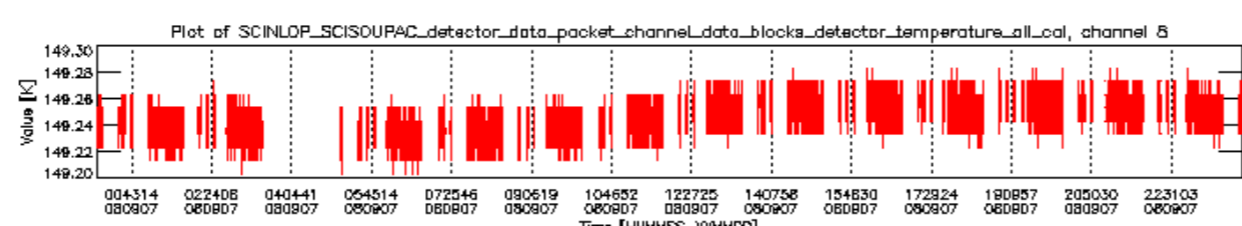
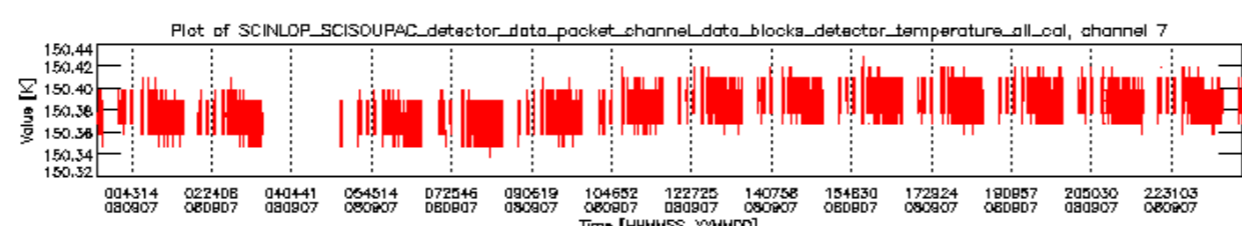
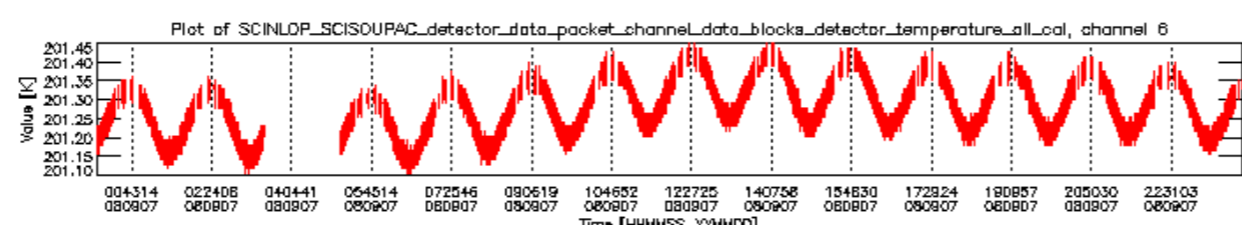
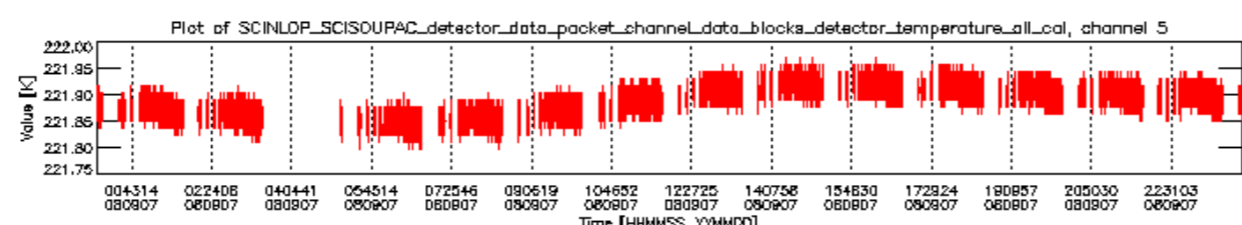
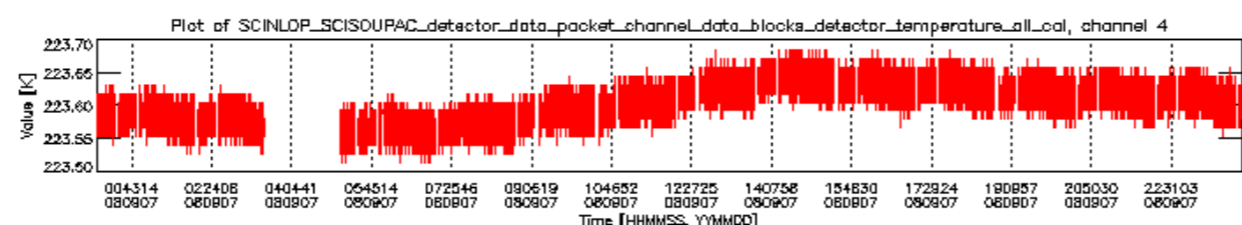
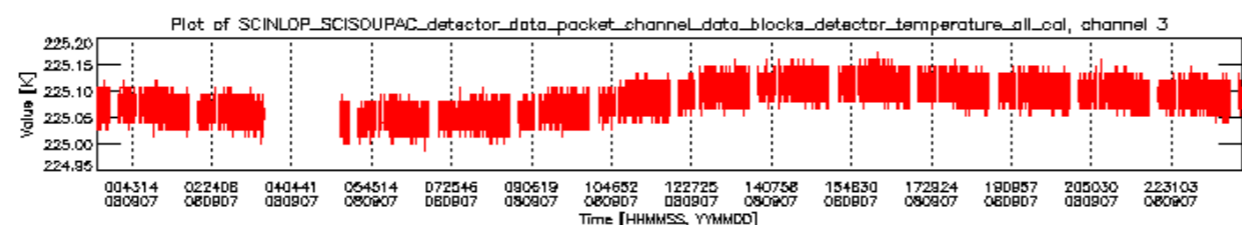
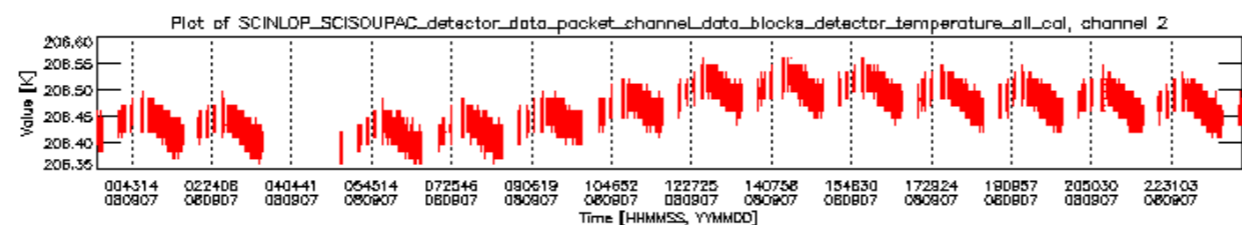
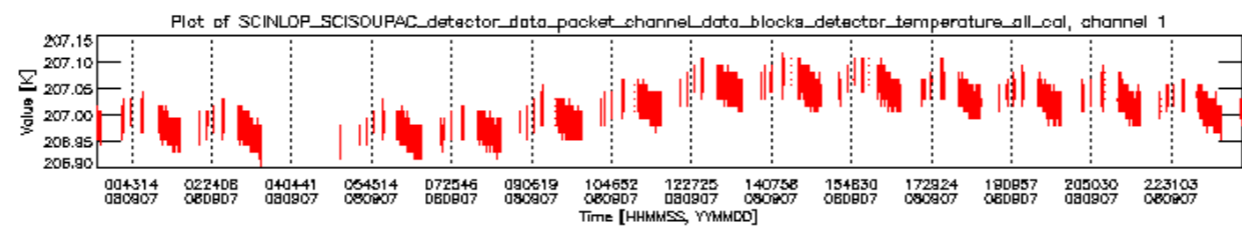
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080907_8.PNG

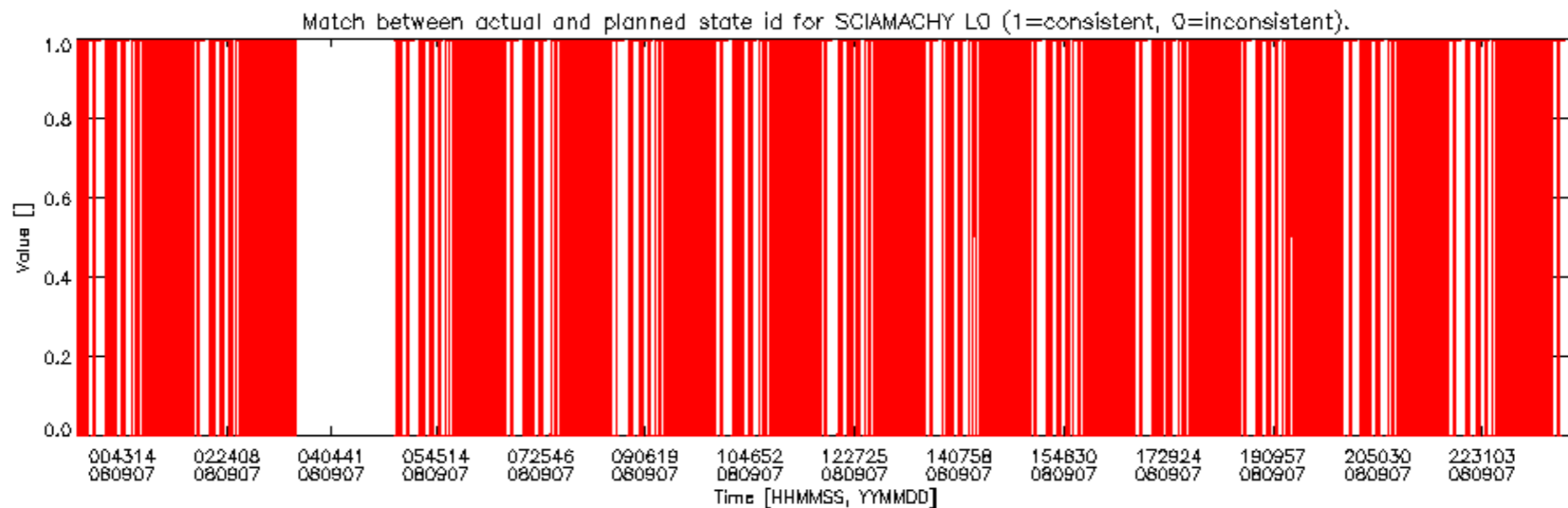
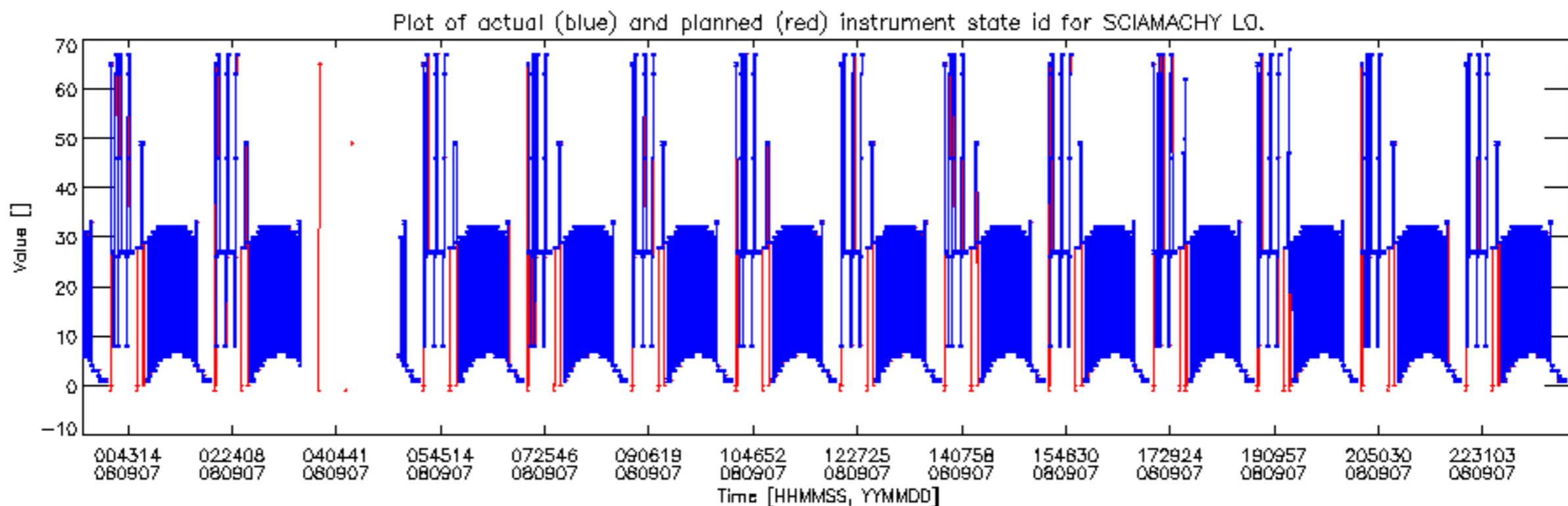












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 07SEP2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

