

0. SCIAMACHY Daily Report for level 0 products

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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	12SEP2008 05:05:20
Data source version	KSPT_L0/4303-N
Processing scope for products	08SEP2008 00:00:00 to 09SEP2008 00:00:00
Start time of first product within scope	07SEP2008 22:17:23
Stop time of last product within scope	08SEP2008 22:03:50
Total number of level 0 products	17
Number of level 0 products with errors	1

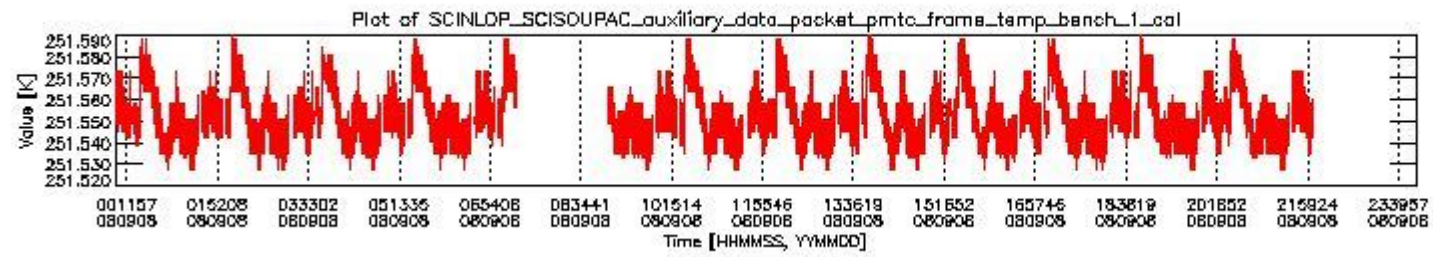
0.1.2 Summary per product

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

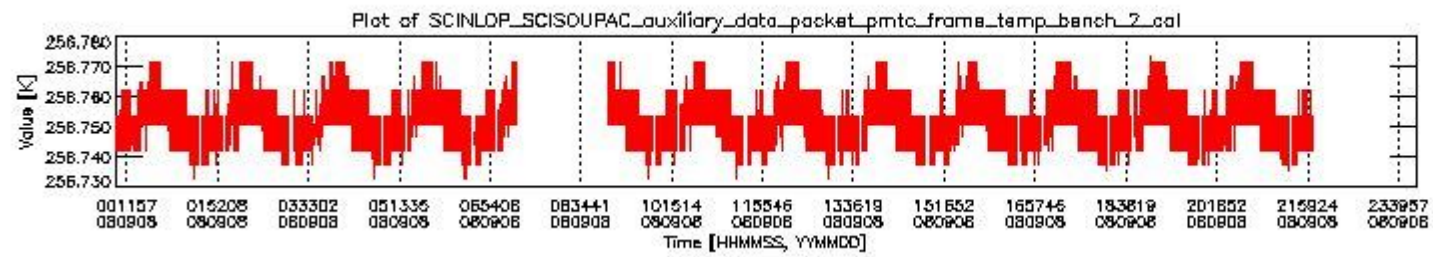
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080907_221723_000061692071_00487_34108_7468.N1	07SEP2008 22:17:23	08SEP2008 00:00:12	0	0	0	0	0
1	SCI_NL__OPNPDE20080908_000012_000059042071_00488_34109_7469.N1	08SEP2008 00:00:12	08SEP2008 01:38:36	0	0	0	0	0
2	SCI_NL__OPNPDE20080908_013836_000047602071_00489_34110_7470.N1	08SEP2008 01:38:36	08SEP2008 02:57:56	0	0	0	0	0
3	SCI_NL__OPNPDE20080908_025700_000057752071_00490_34111_7471.N1	08SEP2008 02:57:00	08SEP2008 04:33:15	0	0	0	0	0
4	SCI_NL__OPNPDE20080908_043315_000060492071_00491_34112_7472.N1	08SEP2008 04:33:15	08SEP2008 06:14:04	0	0	0	0	0
5	SCI_NL__OPNPDK20080908_061404_000041012071_00492_34113_9283.N1	08SEP2008 06:14:04	08SEP2008 07:22:25	0	0	0	0	0
6	SCI_NL__OPNPDK20080908_072117_000062292071_00493_34114_9284.N1	08SEP2008 07:21:17	08SEP2008 09:05:06	1	1	1	0	0
7	SCI_NL__OPNPDK20080908_090410_000059682071_00494_34115_9285.N1	08SEP2008 09:04:10	08SEP2008 10:43:38	0	0	0	0	0
8	SCI_NL__OPNPDK20080908_104230_000059802071_00495_34116_9286.N1	08SEP2008 10:42:30	08SEP2008 12:22:10	0	0	0	0	0
9	SCI_NL__OPNPDK20080908_122210_000059682071_00496_34117_9287.N1	08SEP2008 12:22:10	08SEP2008 14:01:38	0	0	0	0	0
10	SCI_NL__OPNPDK20080908_140138_000058562071_00497_34118_9288.N1	08SEP2008 14:01:38	08SEP2008 15:39:14	0	0	0	0	0
11	SCI_NL__OPNPDK20080908_153710_000060182071_00498_34119_9289.N1	08SEP2008 15:37:10	08SEP2008 17:17:28	0	0	0	0	0
12	SCI_NL__OPNPDK20080908_171728_000058942071_00499_34120_9290.N1	08SEP2008 17:17:28	08SEP2008 18:55:42	0	0	0	0	0
13	SCI_NL__OPNPDK20080908_185446_000061282071_00500_34121_9291.N1	08SEP2008 18:54:46	08SEP2008 20:36:55	0	0	0	0	0
14	SCI_NL__OPNPDE20080908_203503_000042502071_00501_34122_7473.N1	08SEP2008 20:35:03	08SEP2008 21:45:53	0	0	0	0	0
15	SCI_NL__OPNPDK20080908_214520_000010292071_00501_34122_9292.N1	08SEP2008 21:45:20	08SEP2008 22:02:29	0	0	0	0	0
16	SCI_NL__OPNPDE20080908_220017_000002122072_00001_34123_7474.N1	08SEP2008 22:00:17	08SEP2008 22:03:50	0	0	0	0	0

0.2 Product Quality Indicators

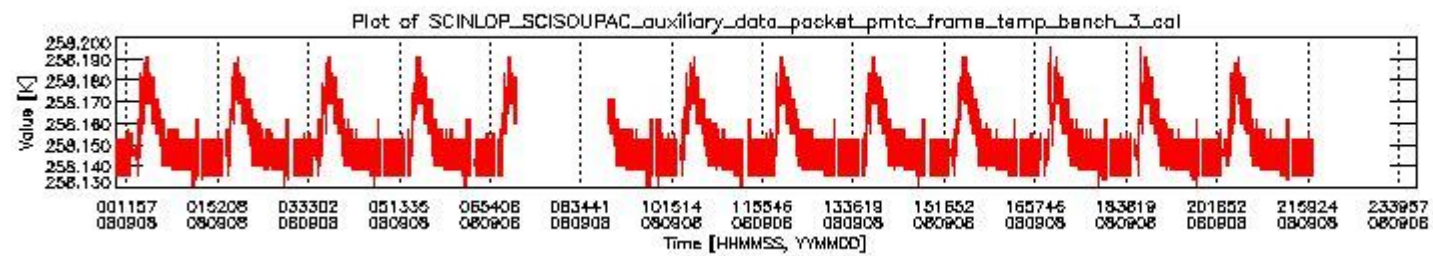
This section shows information about product quality, currently temperatures.



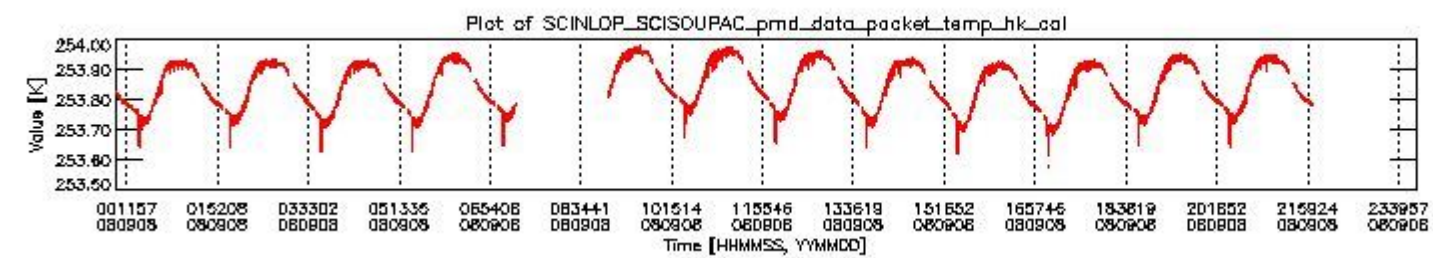
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080908_0.PNG



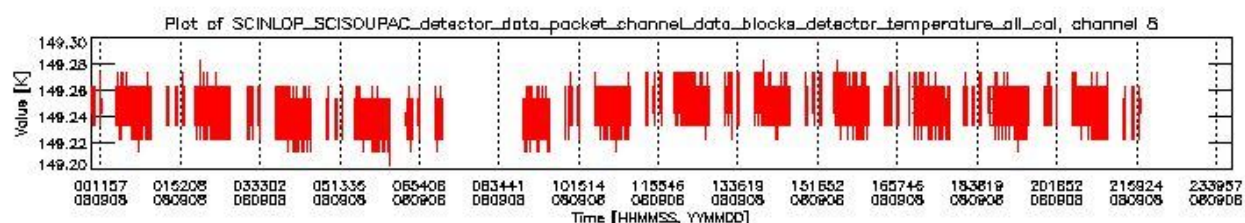
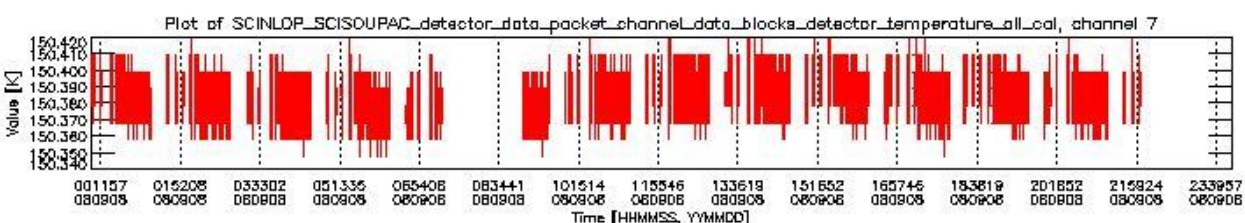
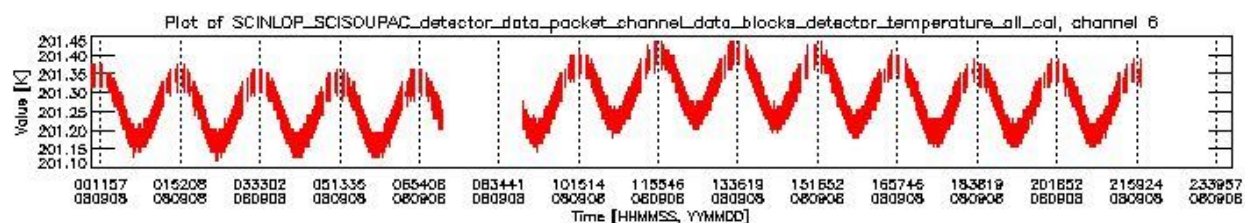
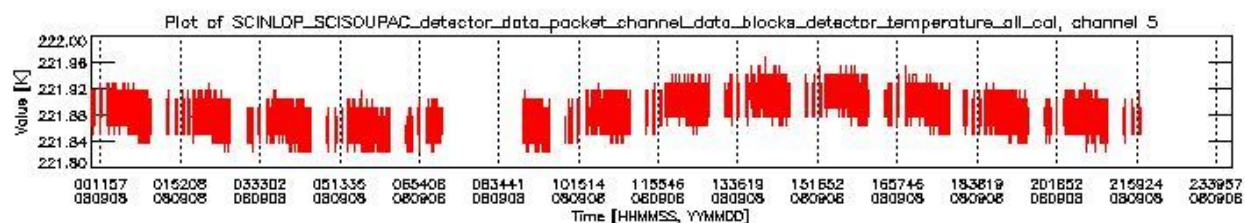
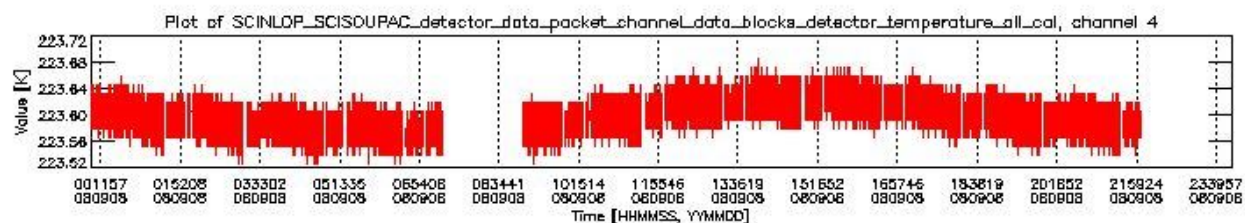
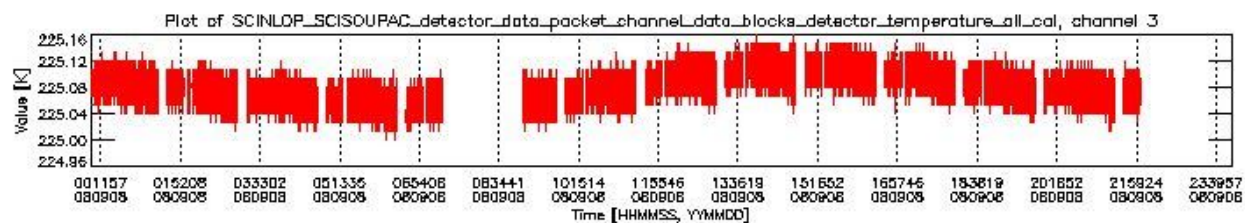
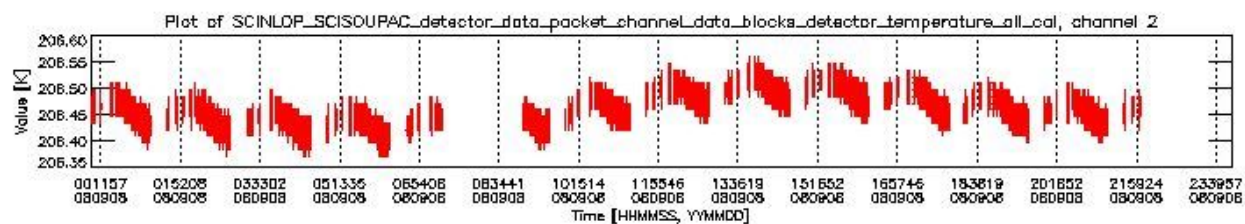
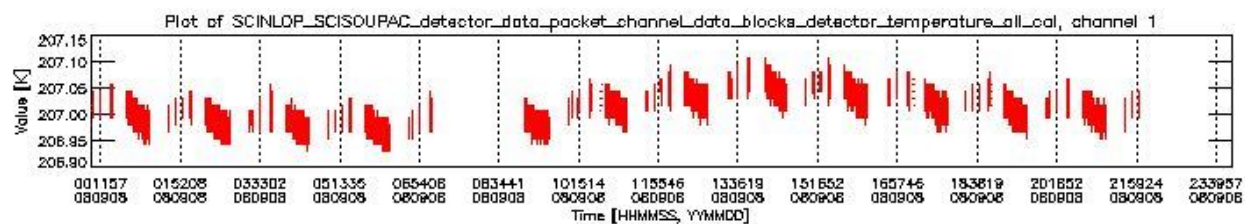
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080908_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080908_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080908_3.PNG

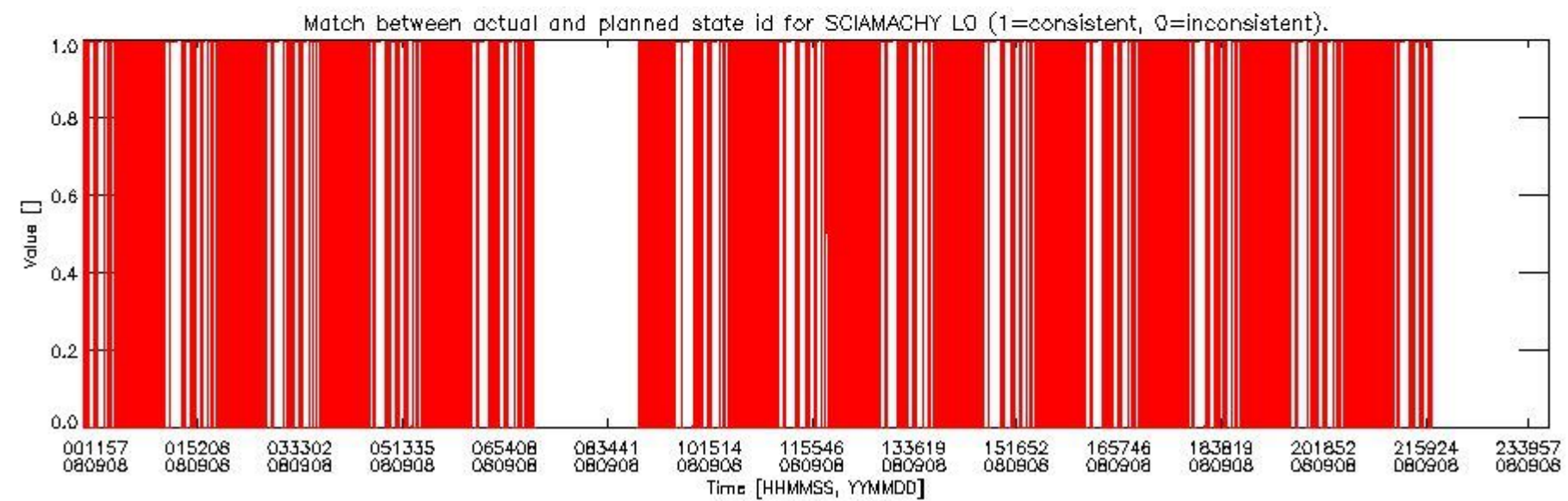
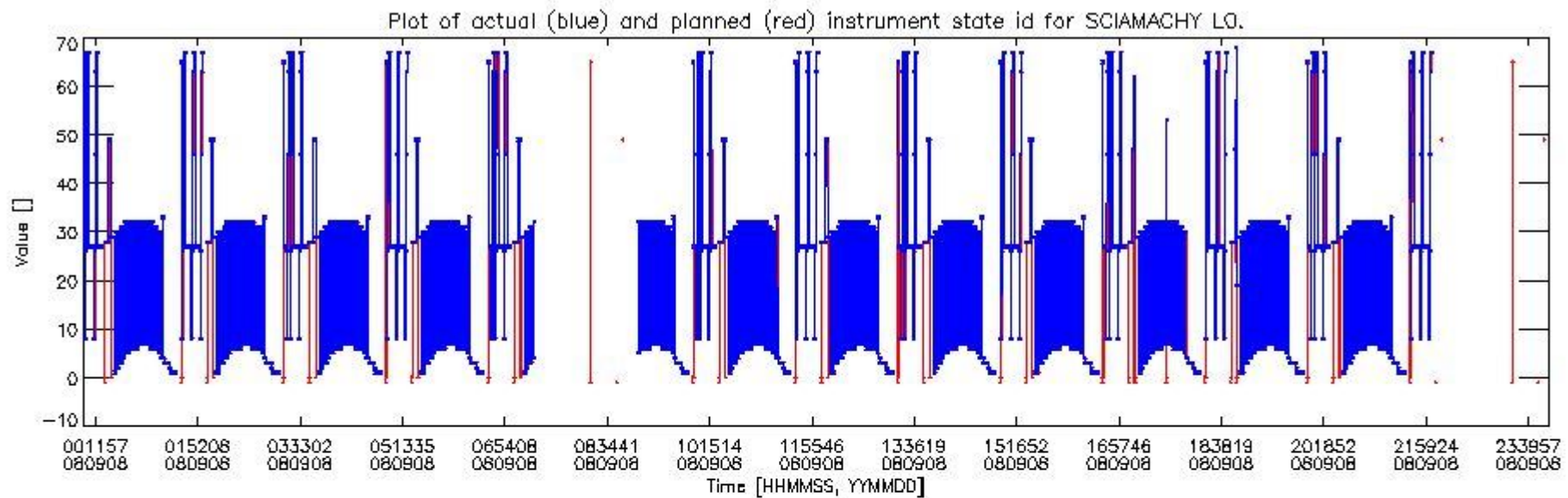


0.3 State monitoring

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: **41542**

#	Actual time	Actual value	Planned time	Planned value
0	08SEP2008 00:00:12.209187	67	08SEP2008 00:00:12.209187	63
1	08SEP2008 00:00:12.459196	67	08SEP2008 00:00:12.459196	63
2	08SEP2008 00:00:12.584201	67	08SEP2008 00:00:12.584201	63
3	08SEP2008 00:00:12.709205	67	08SEP2008 00:00:12.709205	63
4	08SEP2008 00:00:12.834209	67	08SEP2008 00:00:12.834209	63
5	08SEP2008 00:00:12.959214	67	08SEP2008 00:00:12.959214	63
6	08SEP2008 00:00:13.084218	67	08SEP2008 00:00:13.084218	63
7	08SEP2008 00:00:13.209222	67	08SEP2008 00:00:13.209222	63
8	08SEP2008 00:00:13.334186	67	08SEP2008 00:00:13.334186	63
9	08SEP2008 00:00:13.459191	67	08SEP2008 00:00:13.459191	63
10	08SEP2008 00:00:13.584195	67	08SEP2008 00:00:13.584195	63
11	08SEP2008 00:00:13.709199	67	08SEP2008 00:00:13.709199	63
12	08SEP2008 00:00:13.834204	67	08SEP2008 00:00:13.834204	63
13	08SEP2008 00:00:13.959208	67	08SEP2008 00:00:13.959208	63
14	08SEP2008 00:00:14.084212	67	08SEP2008 00:00:14.084212	63
15	08SEP2008 00:00:14.209217	67	08SEP2008 00:00:14.209217	63
16	08SEP2008 00:00:14.334221	67	08SEP2008 00:00:14.334221	63
17	08SEP2008 00:00:14.459226	67	08SEP2008 00:00:14.459226	63
18	08SEP2008 00:00:14.584190	67	08SEP2008 00:00:14.584190	63
19	08SEP2008 00:00:14.709194	67	08SEP2008 00:00:14.709194	63
...

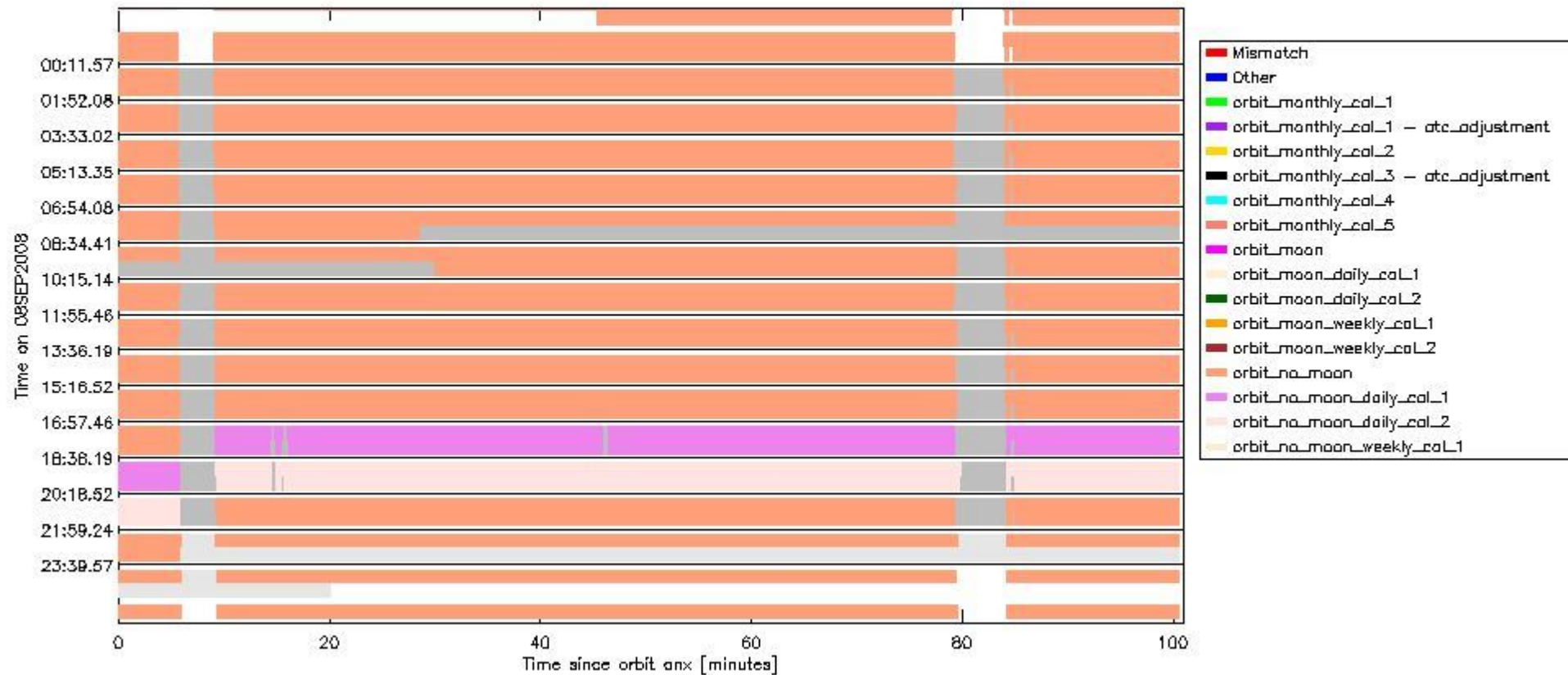


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080908_5.PNG

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 08SEP2008.
 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_20080908_6.PNG

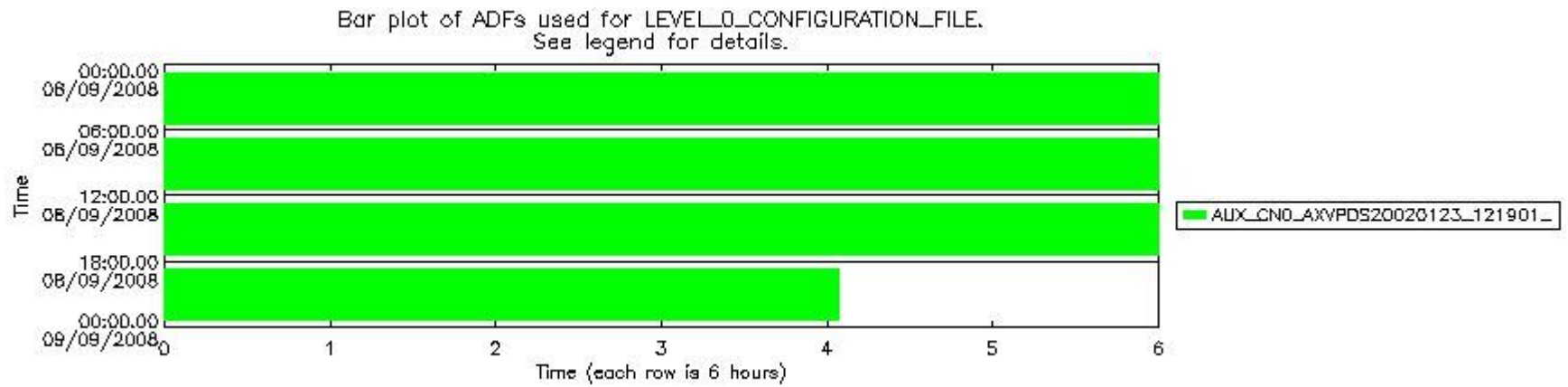
0.4 ADF monitoring

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

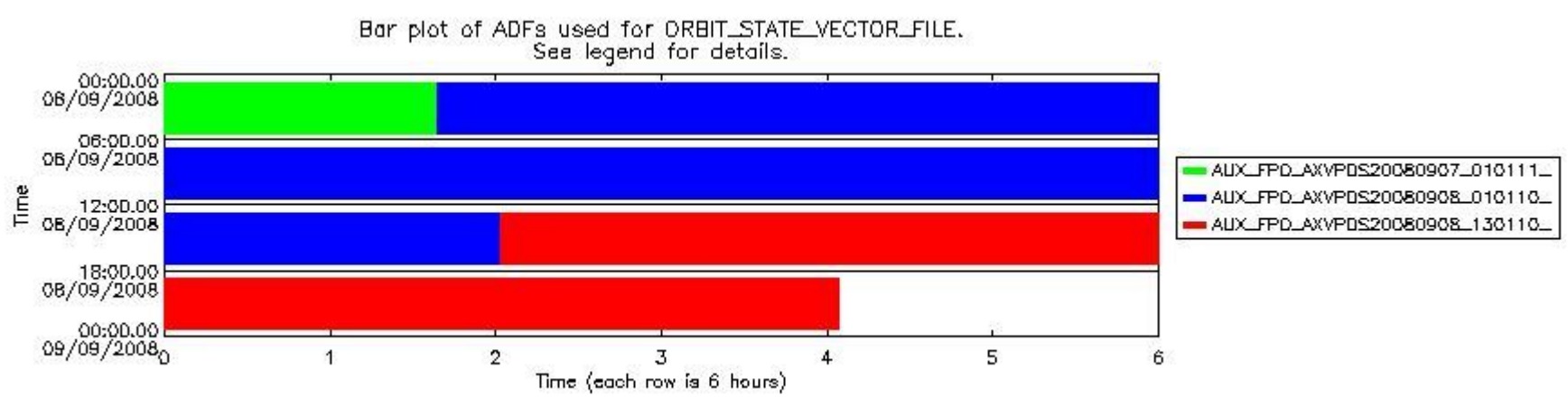
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

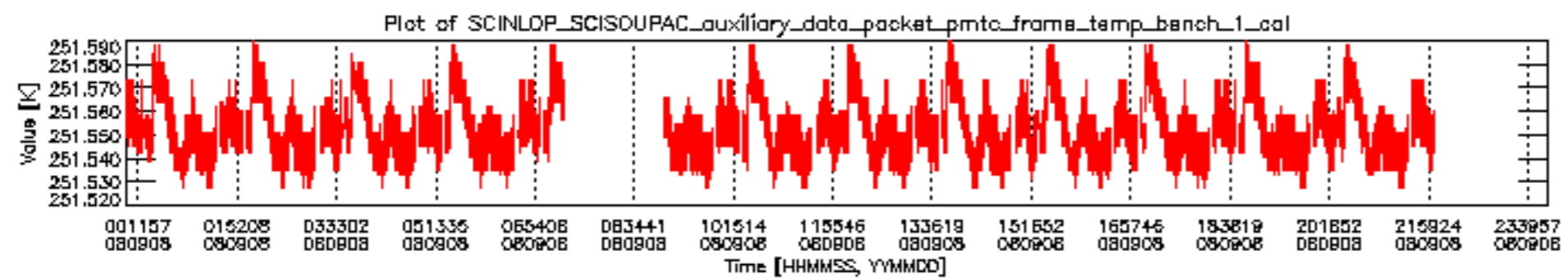
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080907_010111_20080906_194130_20080916_210742
2	AUX_FPO_AXVPDS20080908_010110_20080907_190953_20080917_203605
3	AUX_FPO_AXVPDS20080908_130110_20080908_083440_20080917_235716

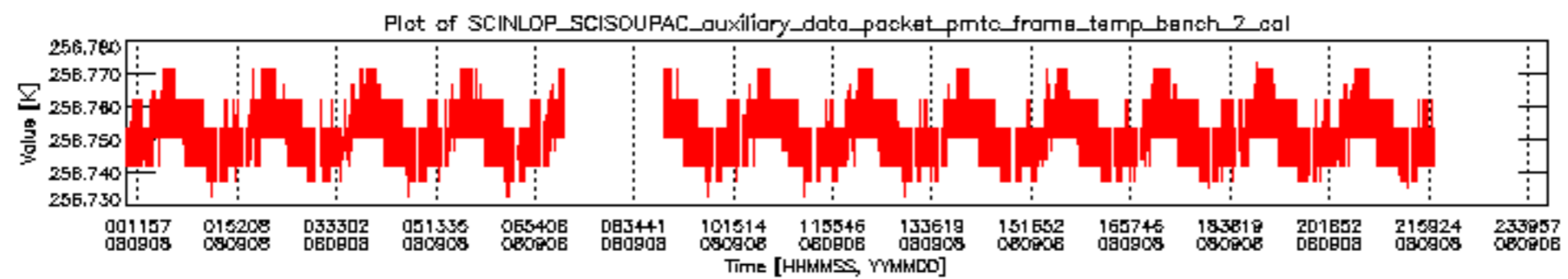


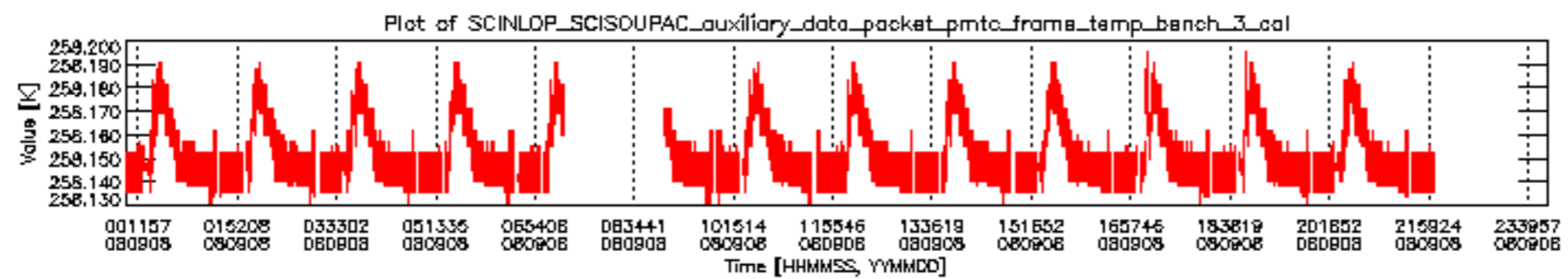
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080908_7.PNG

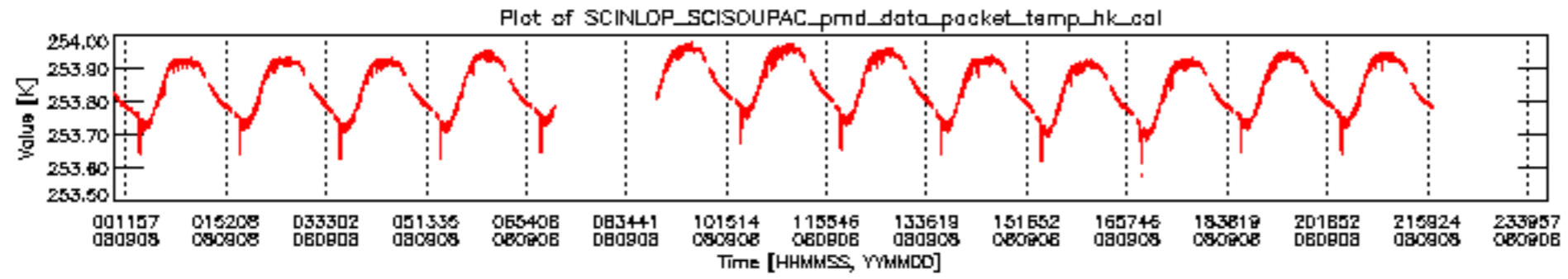


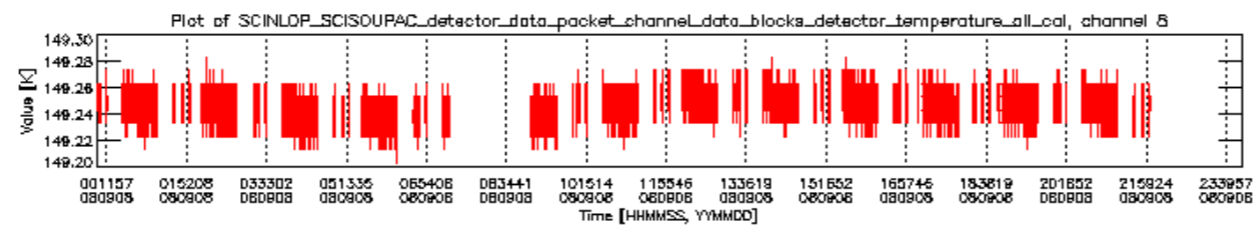
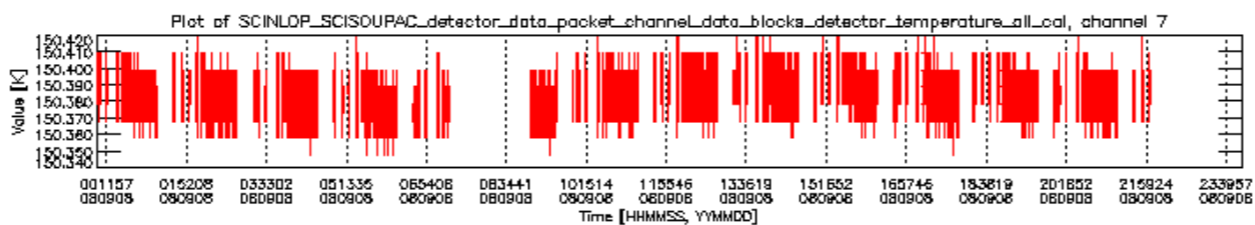
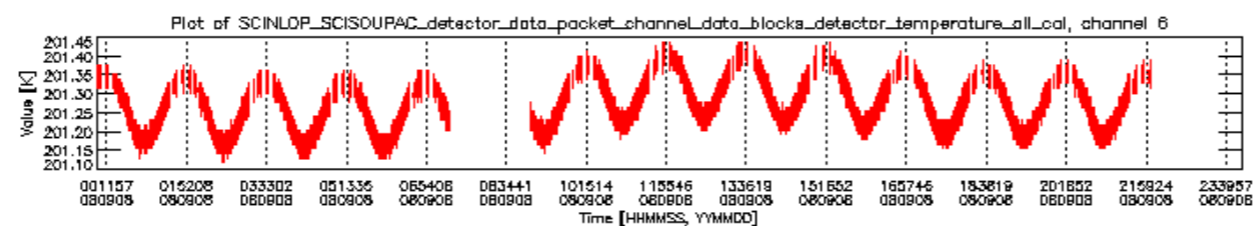
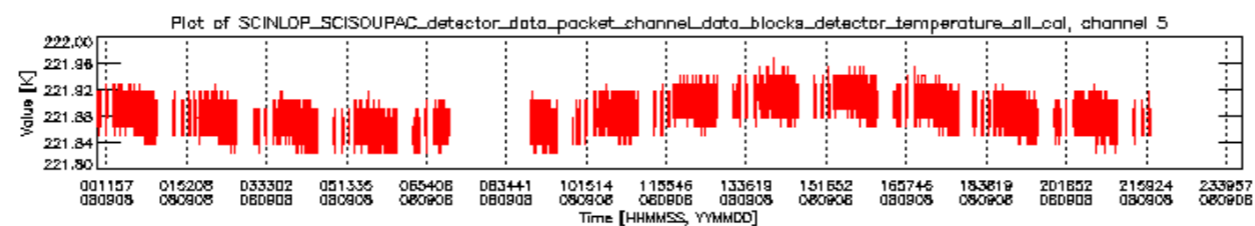
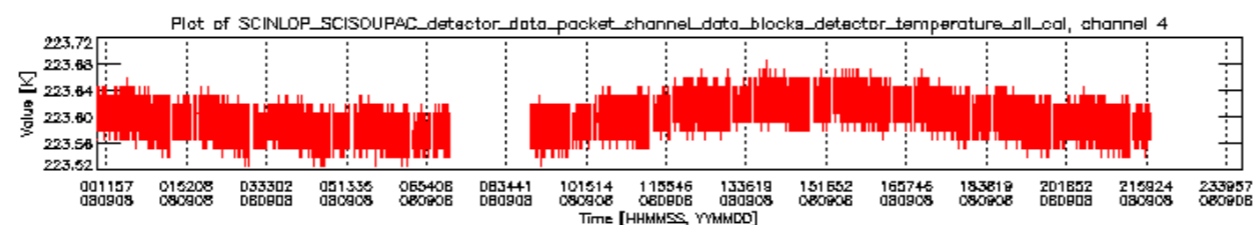
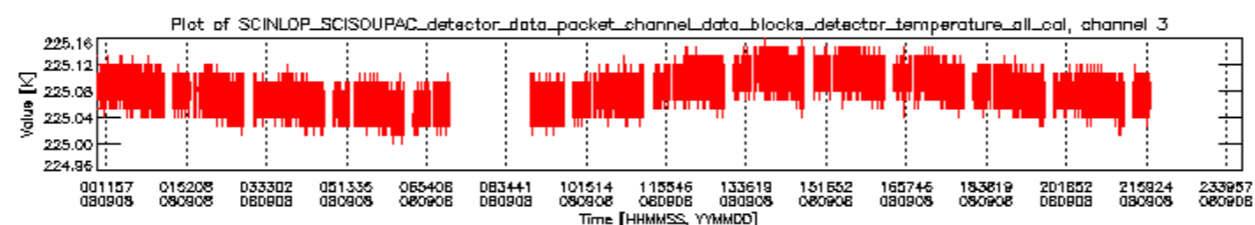
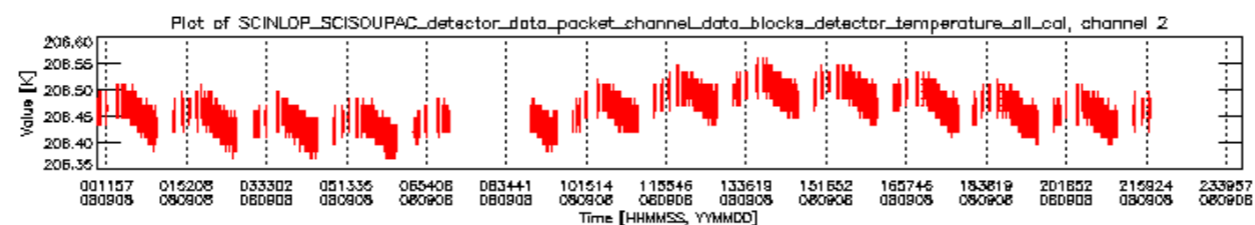
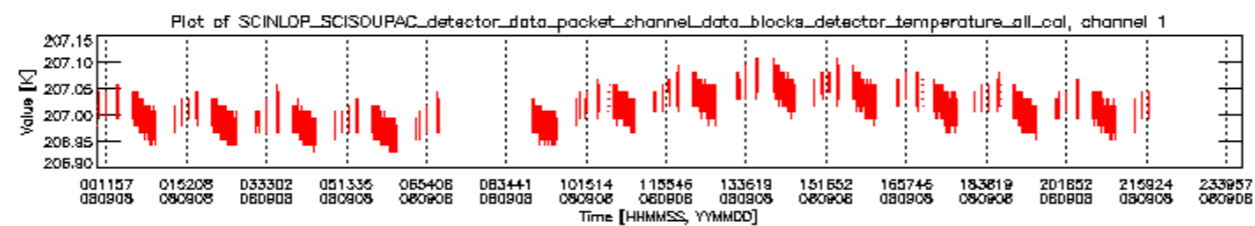
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080908_8.PNG

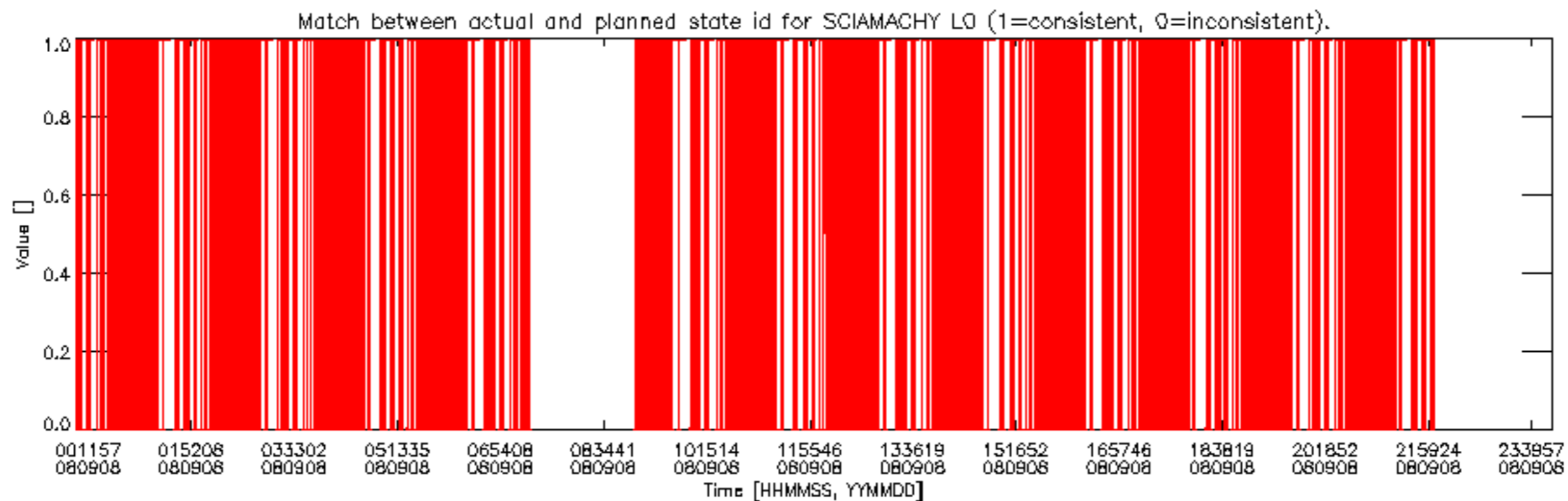
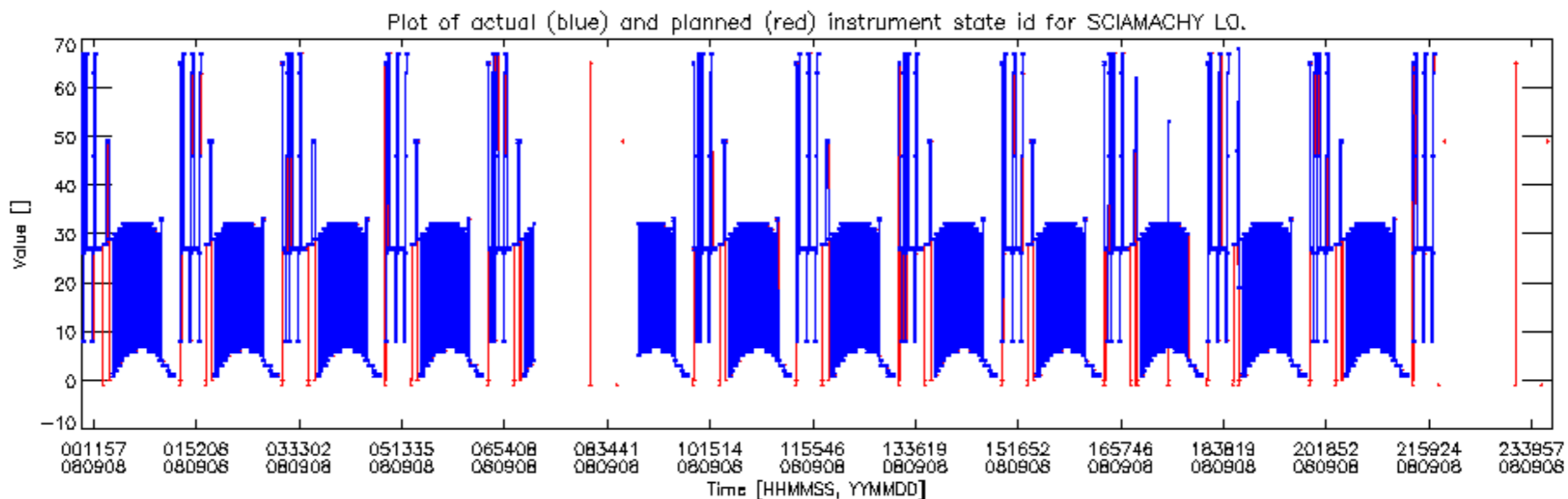




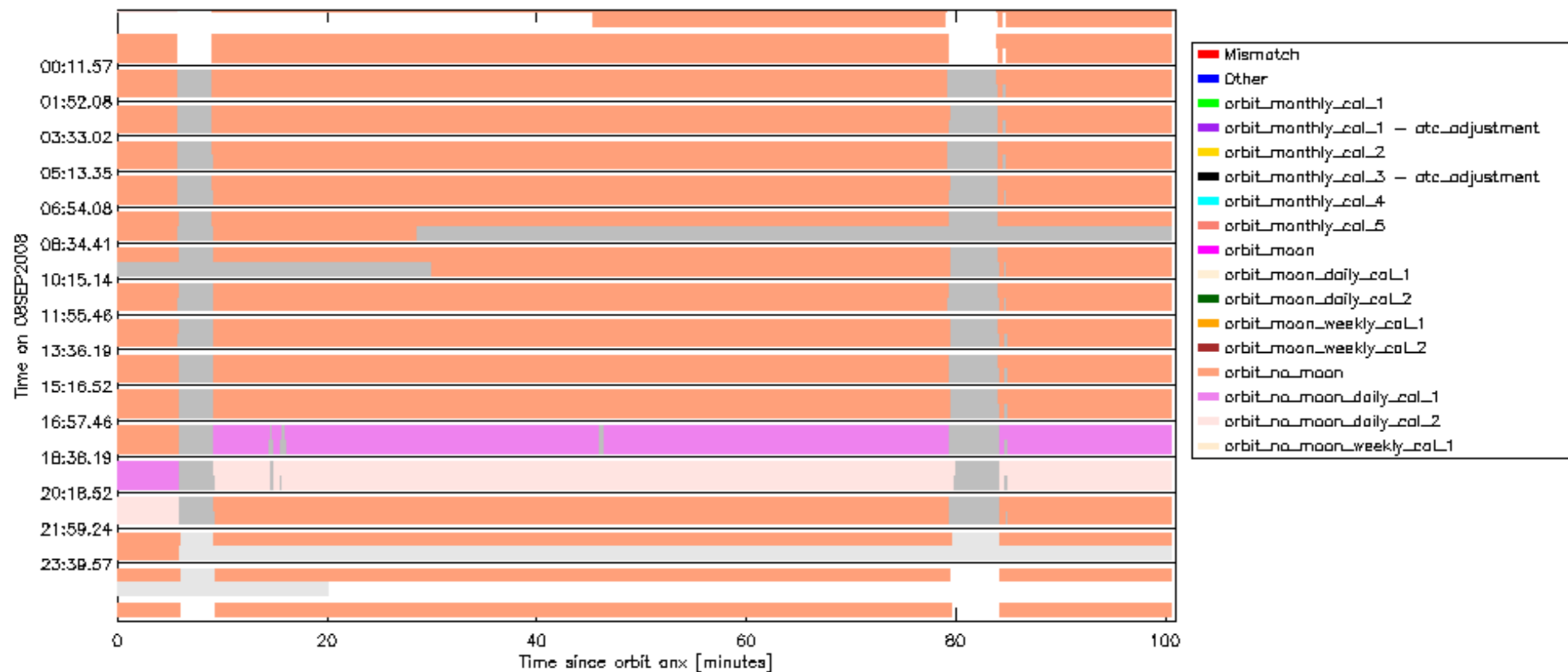


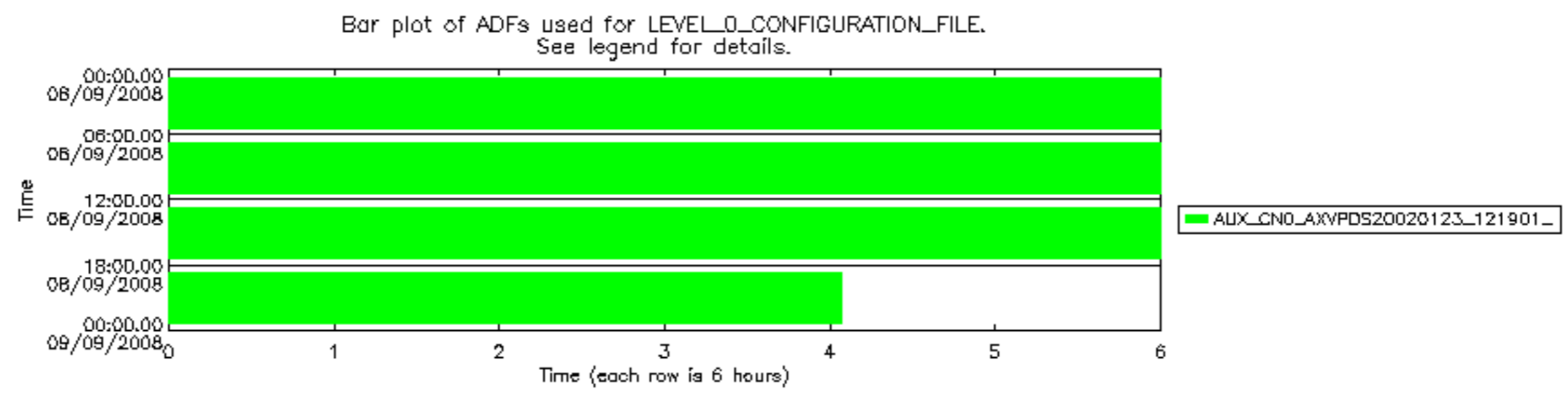






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 08SEP2008.
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 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.





Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

