

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	19JUN2009 07:36:58
Data source version	KSPT_L0/4303-N
Processing scope for products	15JUN2009 00:00:00 to 16JUN2009 00:00:00
Start time of first product within scope	14JUN2009 23:56:38
Stop time of last product within scope	15JUN2009 22:19:53
Total number of level 0 products	16
Number of level 0 products with errors	3

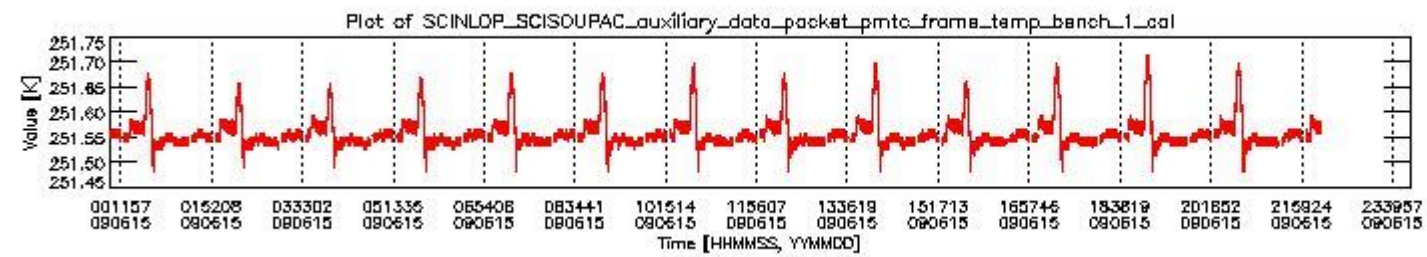
0.1.2 Summary per product

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

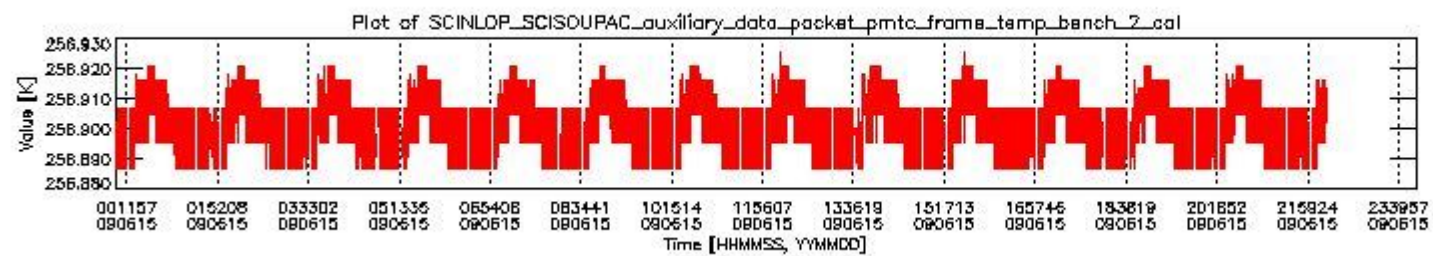
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090614_235638_000059922079_00488_38117_9341.N1	14JUN2009 23:56:38	15JUN2009 01:36:31	0	0	0	0	0
1	SCI_NL__OPNPDE20090615_013418_000048622079_00489_38118_9342.N1	15JUN2009 01:34:18	15JUN2009 02:55:20	0	0	0	0	0
2	SCI_NL__OPNPDE20090615_025411_000058432079_00490_38119_9343.N1	15JUN2009 02:54:11	15JUN2009 04:31:34	0	0	0	0	0
3	SCI_NL__OPNPDE20090615_043026_000061732079_00491_38120_9344.N1	15JUN2009 04:30:26	15JUN2009 06:13:19	0	0	0	0	0
4	SCI_NL__OPNPDK20090615_061319_000040322079_00492_38121_1809.N1	15JUN2009 06:13:19	15JUN2009 07:20:31	0	0	0	0	0
5	SCI_NL__OPNPDK20090615_072031_000061732079_00493_38122_1810.N1	15JUN2009 07:20:31	15JUN2009 09:03:24	0	0	0	0	0
6	SCI_NL__OPNPDK20090615_090216_000059672079_00494_38123_1811.N1	15JUN2009 09:02:16	15JUN2009 10:41:43	1	1	0	0	0
7	SCI_NL__OPNPDK20090615_104143_000059802079_00495_38124_1812.N1	15JUN2009 10:41:43	15JUN2009 12:21:23	0	0	0	0	0
8	SCI_NL__OPNPDK20090615_122027_000060232079_00496_38125_1813.N1	15JUN2009 12:20:27	15JUN2009 14:00:50	0	0	0	0	0
9	SCI_NL__OPNPDK20090615_135954_000059112079_00497_38126_1814.N1	15JUN2009 13:59:54	15JUN2009 15:38:25	1	0	1	0	0
10	SCI_NL__OPNPDK20090615_153730_000058172079_00498_38127_1815.N1	15JUN2009 15:37:30	15JUN2009 17:14:27	0	0	0	0	0
11	SCI_NL__OPNPDK20090615_171222_000061462079_00499_38128_1816.N1	15JUN2009 17:12:22	15JUN2009 18:54:48	0	0	0	0	0
12	SCI_NL__OPNPDK20090615_185339_000060212079_00500_38129_1817.N1	15JUN2009 18:53:39	15JUN2009 20:34:00	0	0	0	0	0
13	SCI_NL__OPNPDE20090615_203156_000044822079_00501_38130_9345.N1	15JUN2009 20:31:56	15JUN2009 21:46:37	0	0	0	0	0
14	SCI_NL__OPNPDK20090615_214425_000016862079_00501_38130_1818.N1	15JUN2009 21:44:25	15JUN2009 22:12:31	1	1	0	0	0
15	SCI_NL__OPNPDE20090615_221135_00004982080_00001_38131_9346.N1	15JUN2009 22:11:35	15JUN2009 22:19:53	0	0	0	0	0

0.2 Product Quality Indicators

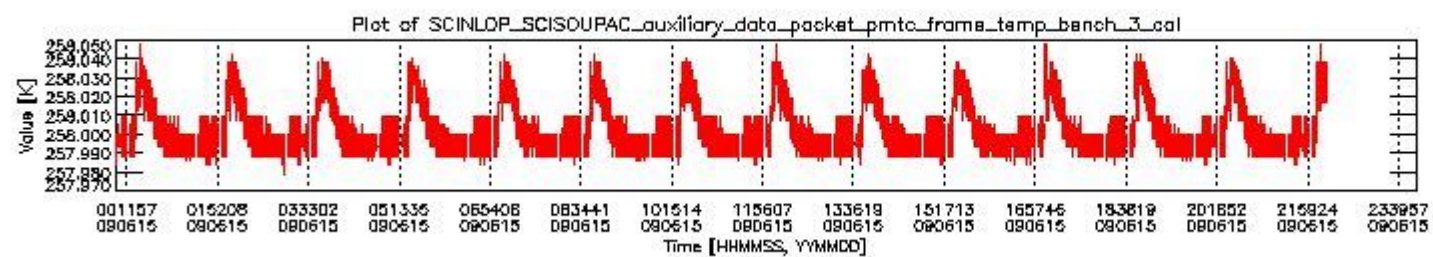
This section shows information about product quality, currently temperatures.



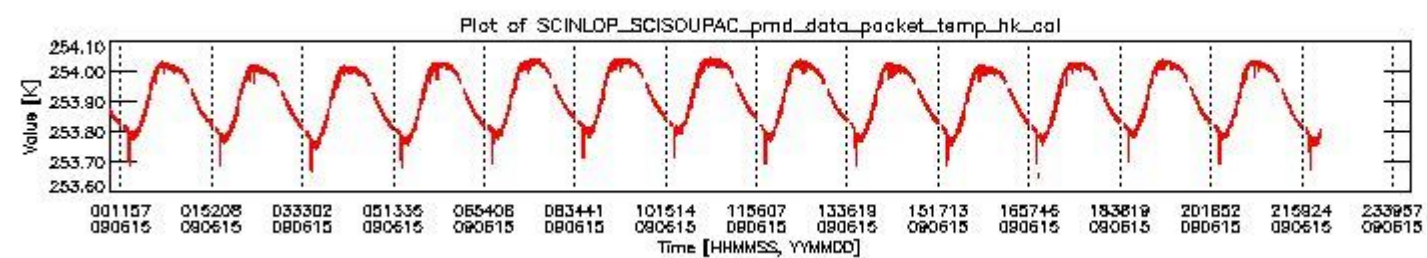
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090615_0.PNG



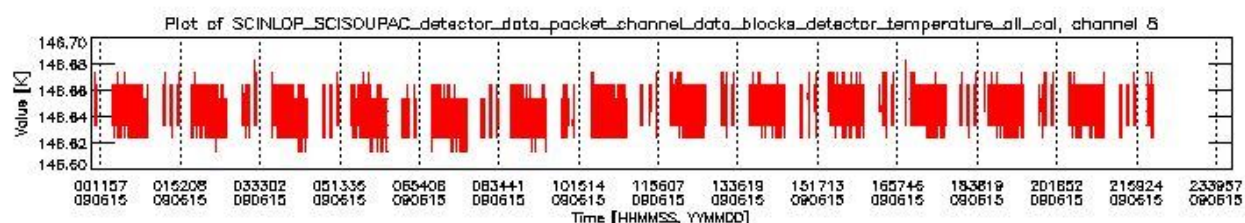
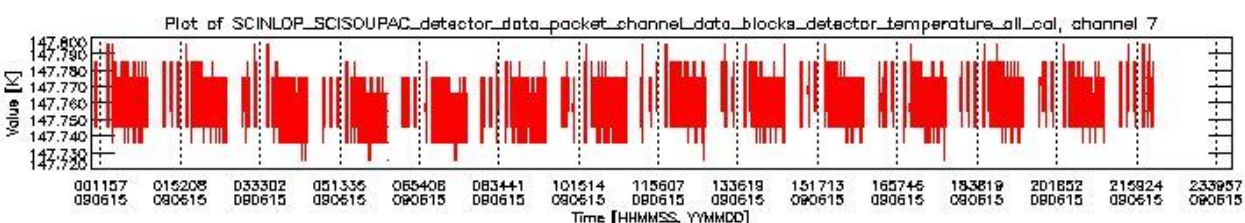
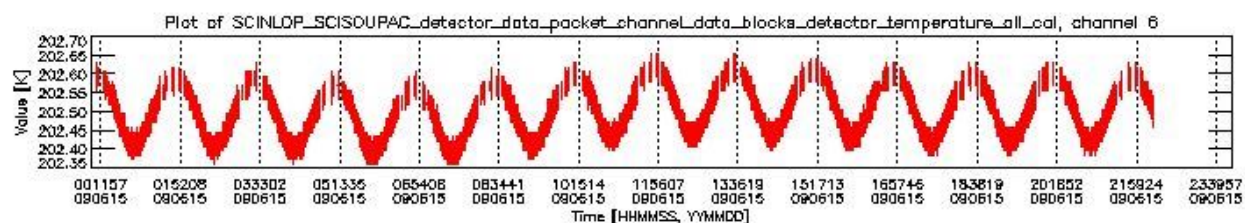
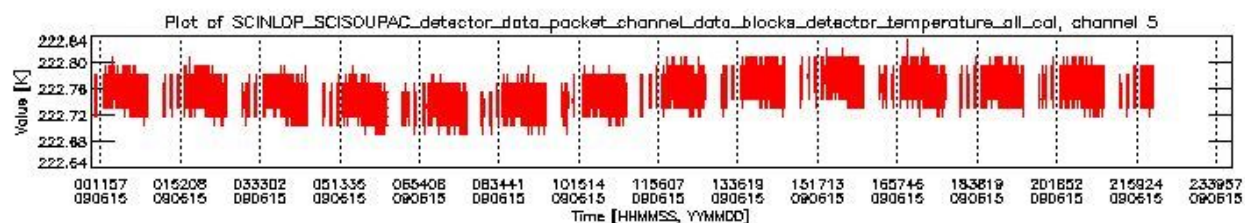
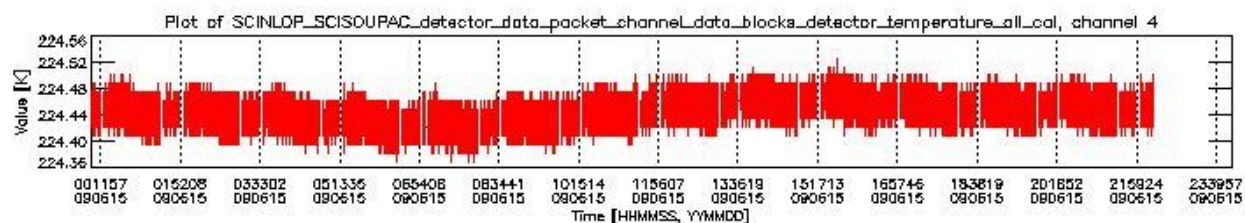
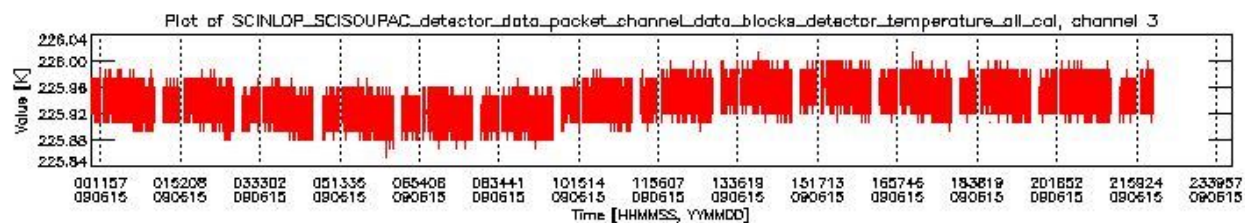
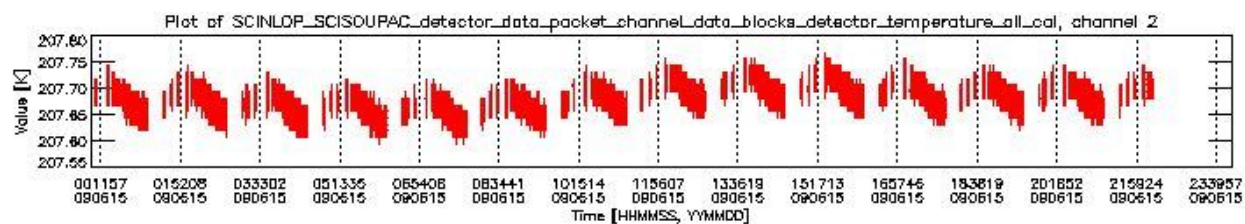
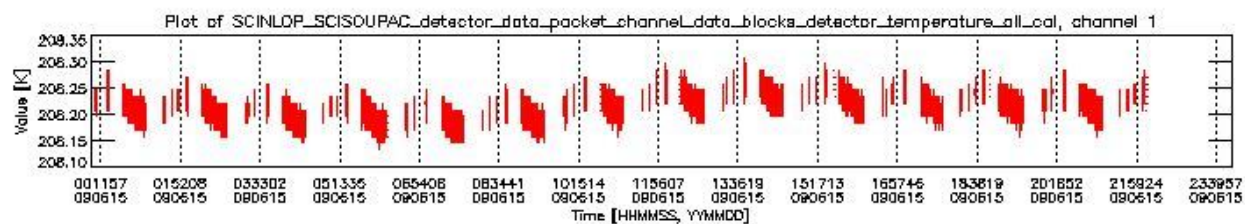
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090615_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090615_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090615_3.PNG

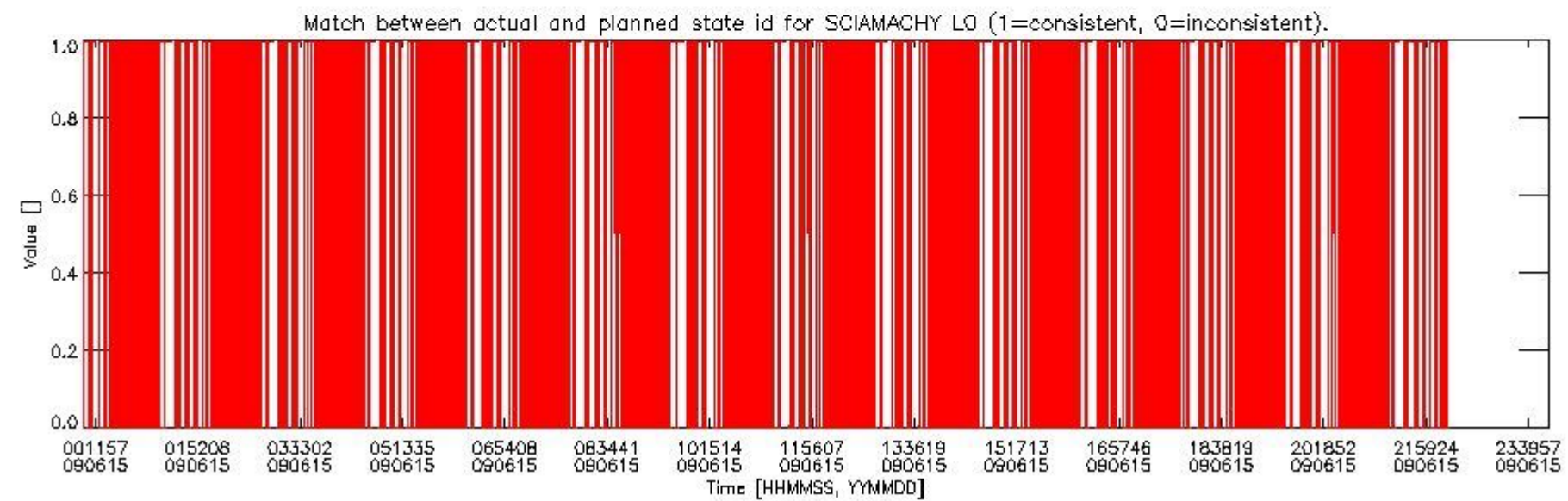
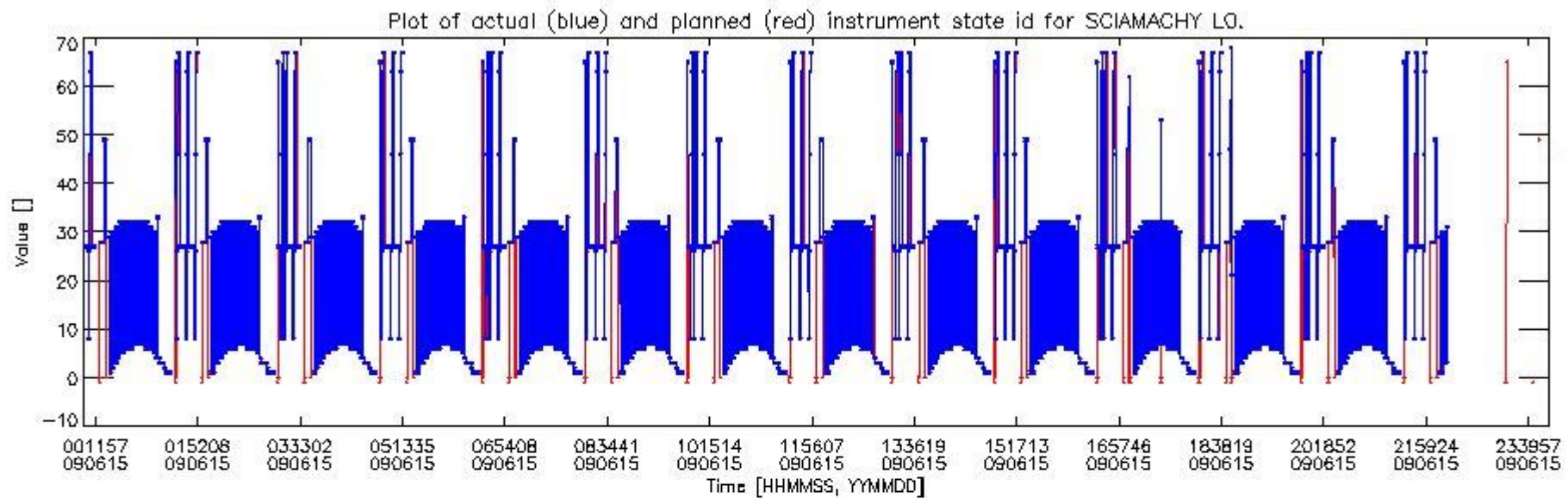


0.3 State monitoring

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: **31718**

#	Actual time	Actual value	Planned time	Planned value
0	15JUN2009 00:04:31.469660	8	15JUN2009 00:04:31.469660	27
1	15JUN2009 00:04:32.594699	8	15JUN2009 00:04:32.594699	27
2	15JUN2009 00:04:33.594694	8	15JUN2009 00:04:33.594694	27
3	15JUN2009 00:04:34.594688	8	15JUN2009 00:04:34.594688	27
4	15JUN2009 00:04:35.594683	8	15JUN2009 00:04:35.594683	27
5	15JUN2009 00:04:36.469673	8	15JUN2009 00:04:36.469673	27
6	15JUN2009 00:04:36.594678	8	15JUN2009 00:04:36.594678	27
7	15JUN2009 00:04:37.594672	8	15JUN2009 00:04:37.594672	27
8	15JUN2009 00:04:38.594667	8	15JUN2009 00:04:38.594667	27
9	15JUN2009 00:04:39.594661	8	15JUN2009 00:04:39.594661	27
10	15JUN2009 00:05:15.024363	26	15JUN2009 00:05:15.024363	8
11	15JUN2009 00:05:15.649384	26	15JUN2009 00:05:15.649384	8
12	15JUN2009 00:05:16.149361	26	15JUN2009 00:05:16.149361	8
13	15JUN2009 00:05:16.649379	26	15JUN2009 00:05:16.649379	8
14	15JUN2009 00:05:17.149356	26	15JUN2009 00:05:17.149356	8
15	15JUN2009 00:05:17.649373	26	15JUN2009 00:05:17.649373	8
16	15JUN2009 00:05:18.149391	26	15JUN2009 00:05:18.149391	8
17	15JUN2009 00:05:18.649368	26	15JUN2009 00:05:18.649368	8
18	15JUN2009 00:05:19.149385	26	15JUN2009 00:05:19.149385	8
19	15JUN2009 00:05:19.649363	26	15JUN2009 00:05:19.649363	8
...

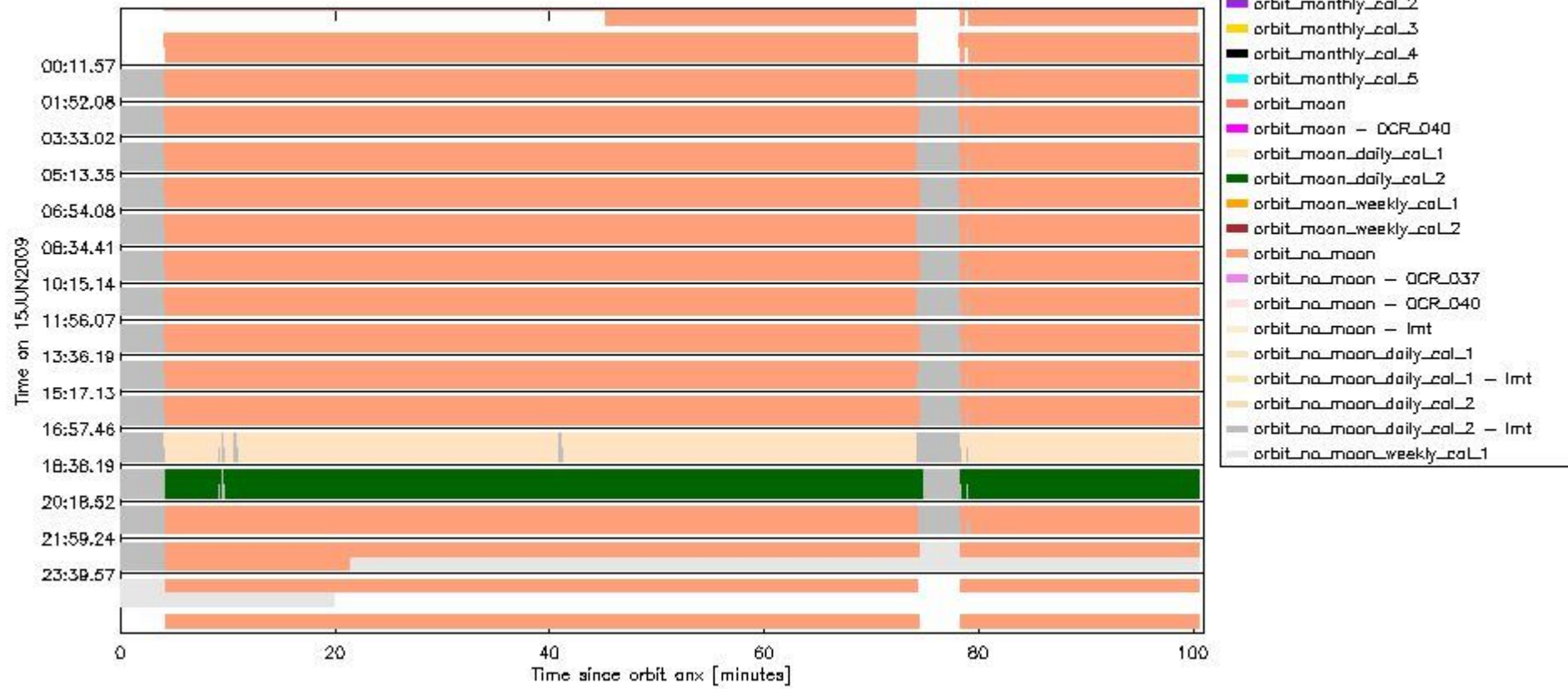


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090615_5.PNG

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 15JUN2009.
 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_20090615_6.PNG

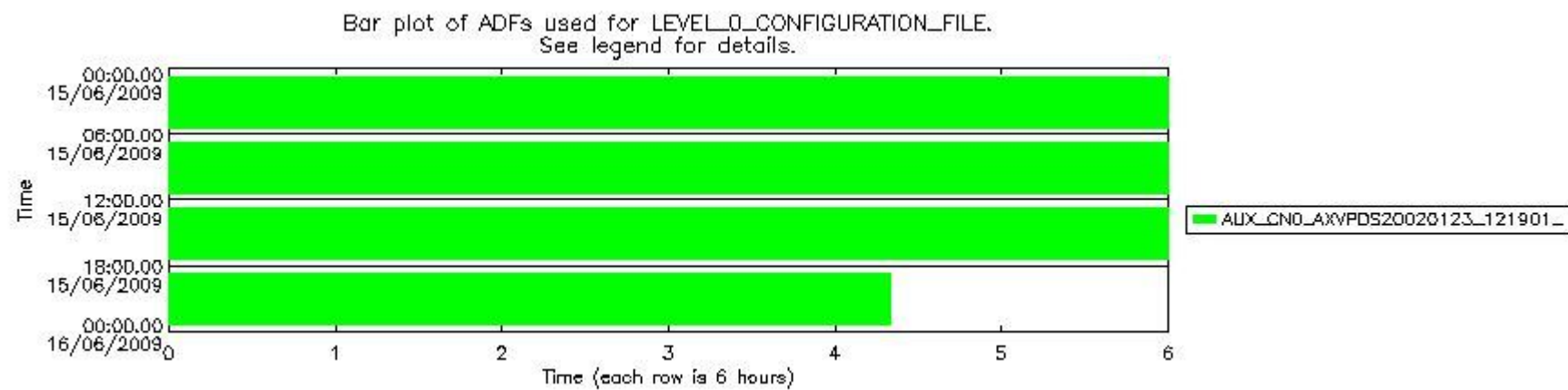
0.4 ADF monitoring

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

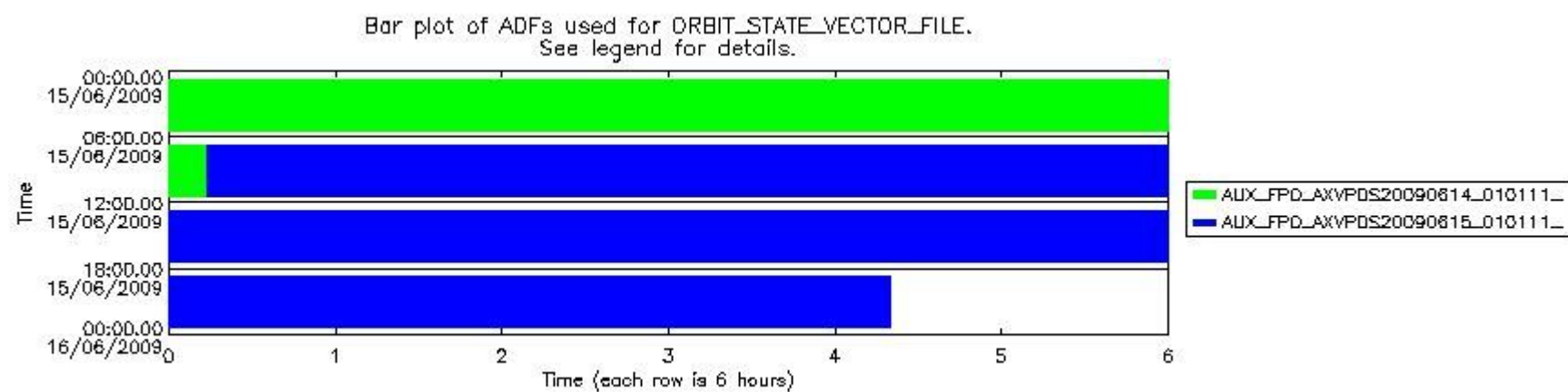
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

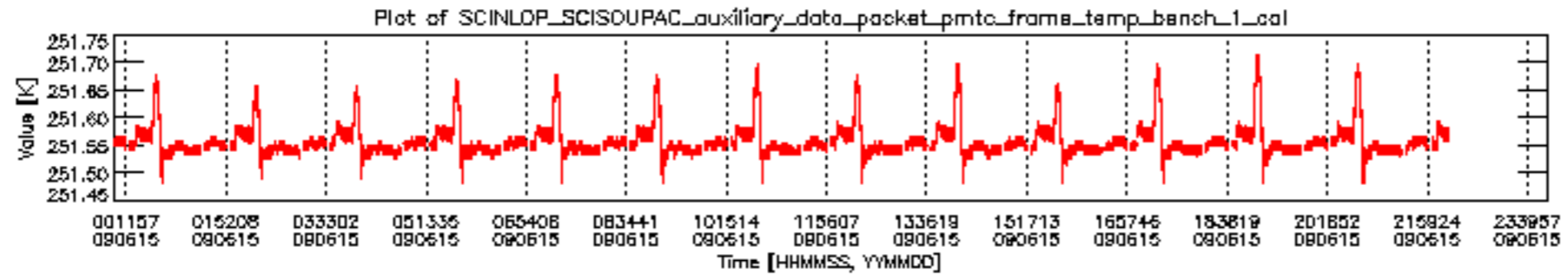
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090614_010111_20090613_194132_20090623_210746
2	AUX_FPO_AXVPDS20090615_010111_20090614_190955_20090624_203609

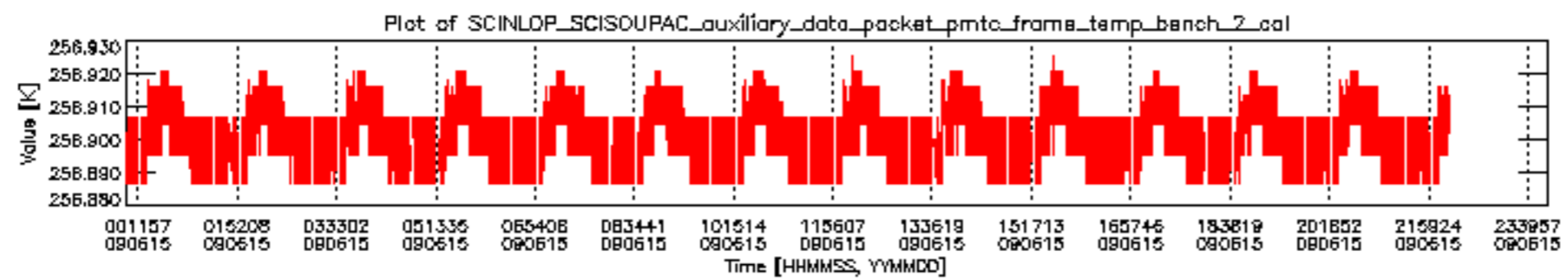


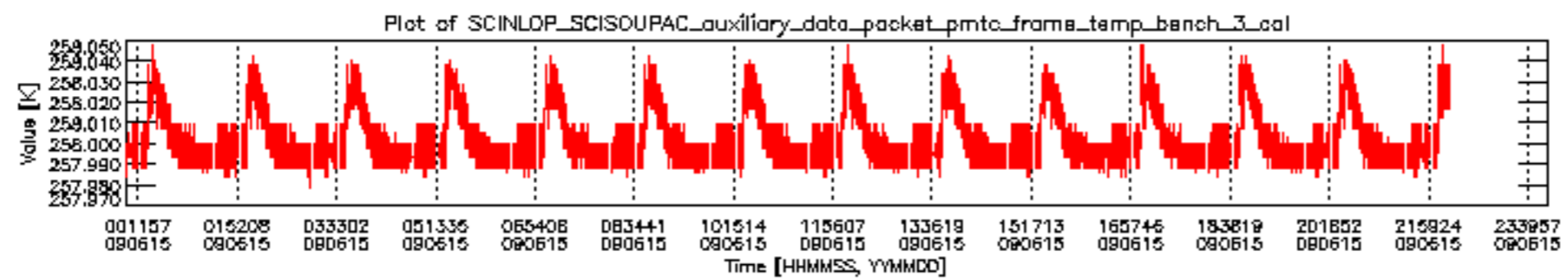
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090615_7.PNG

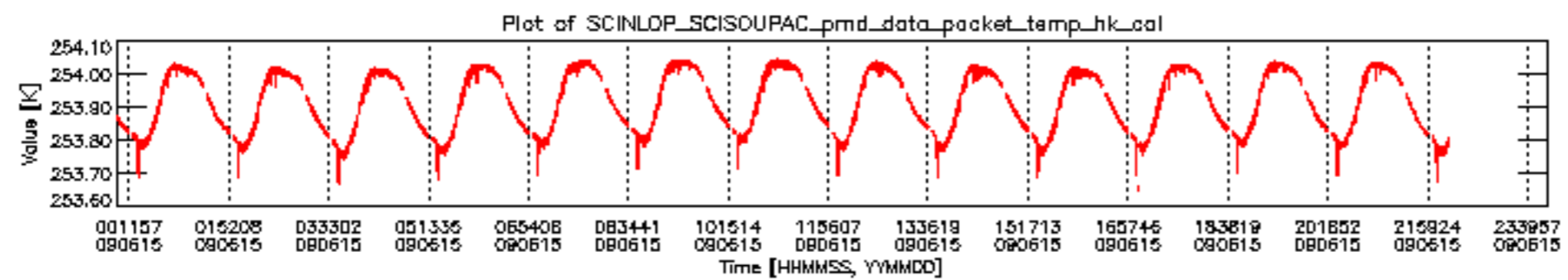


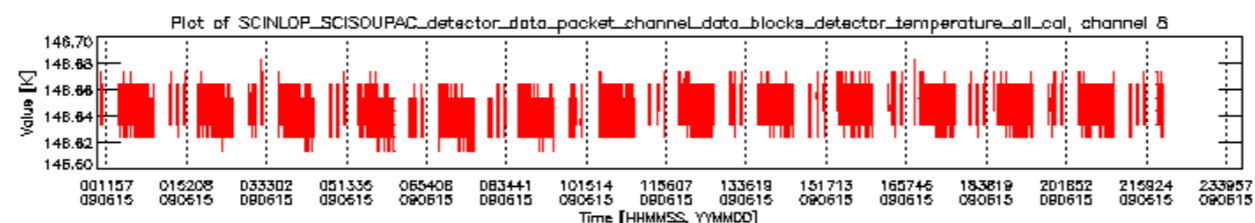
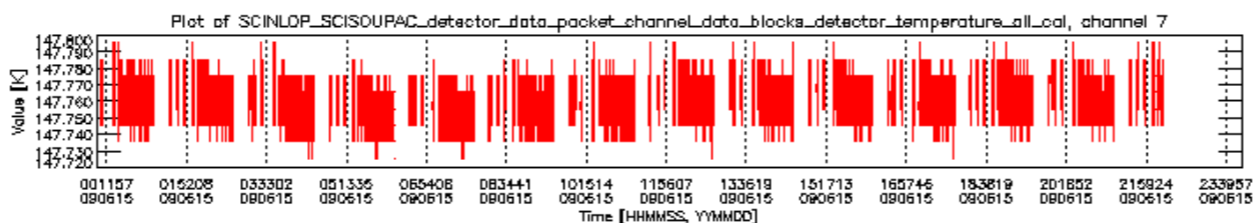
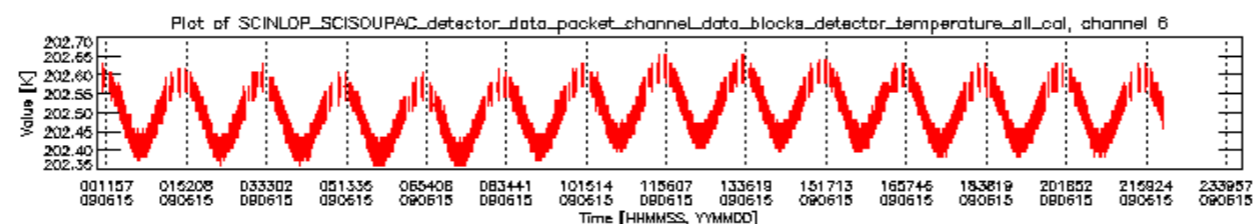
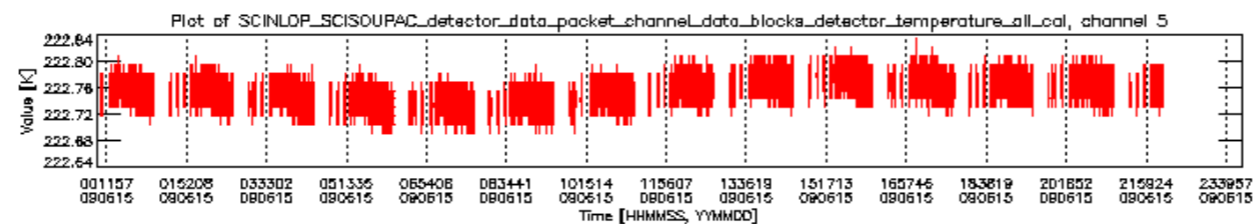
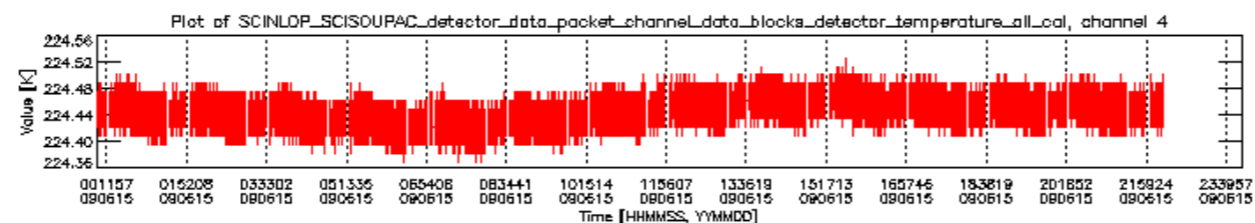
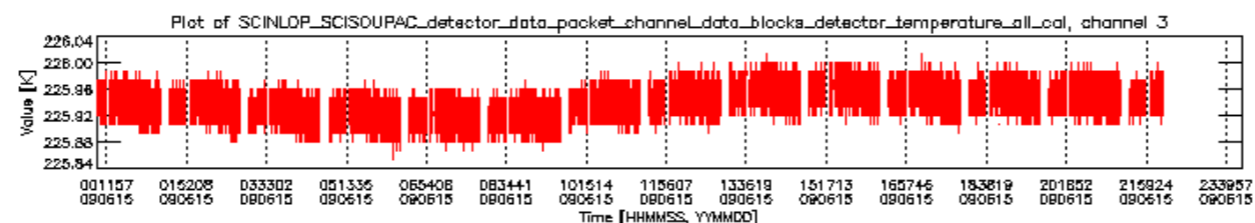
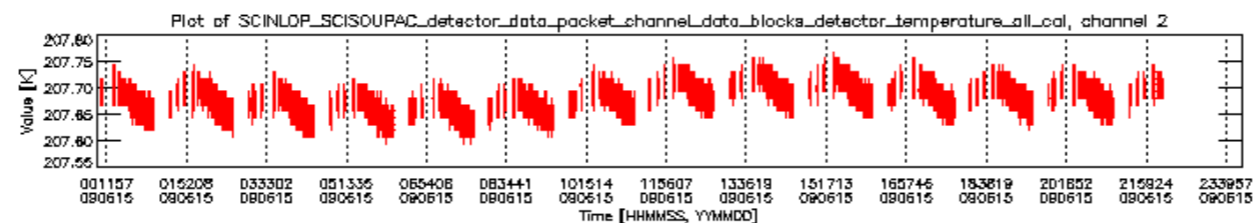
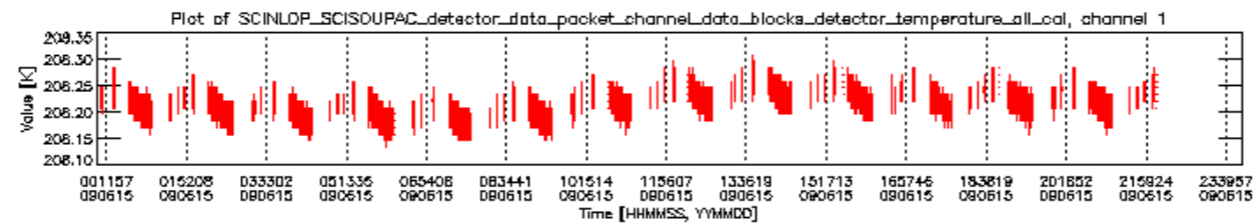
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090615_8.PNG

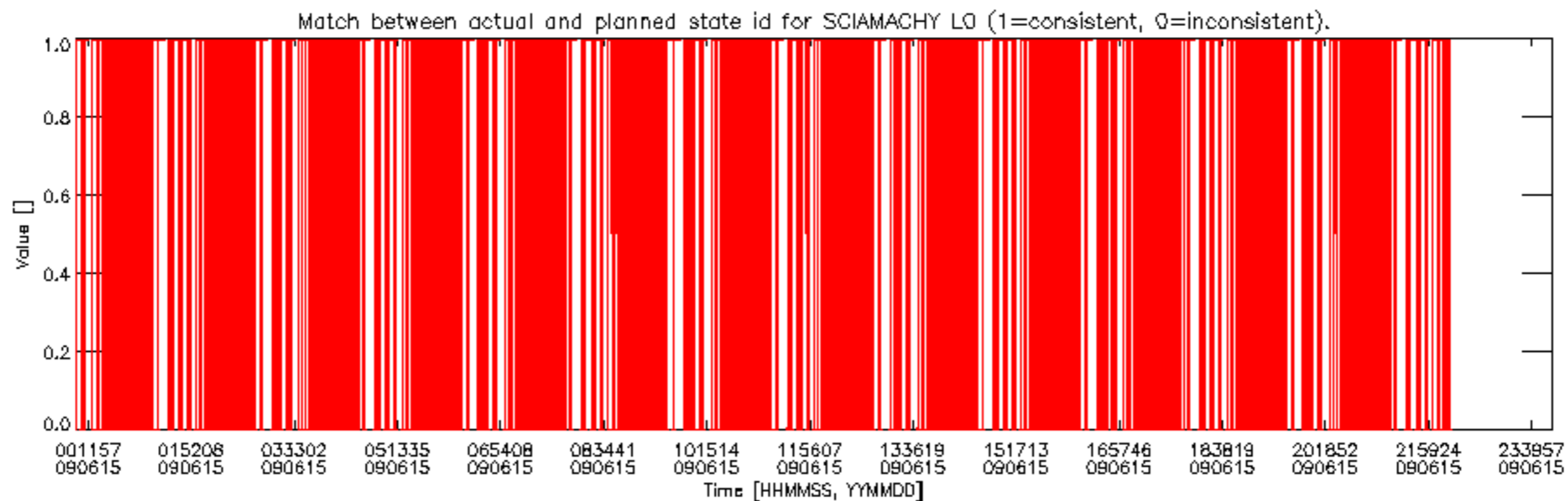
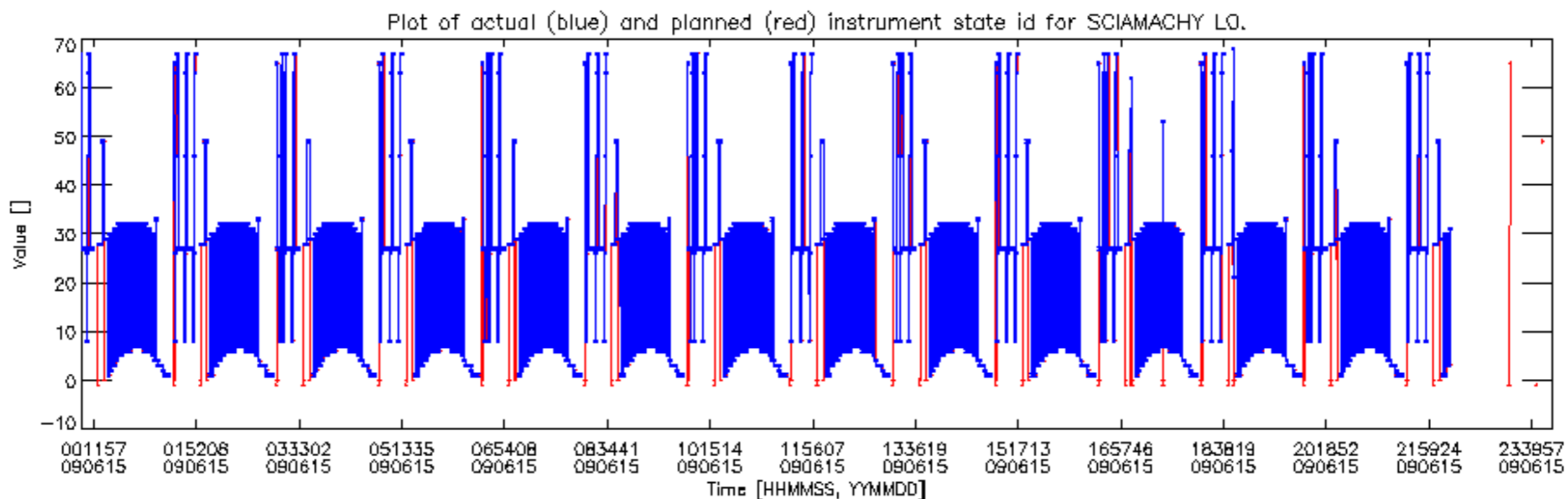












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 15JUN2009.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

