

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	22JUN2009 10:41:19
Data source version	KSPT_L0/4303-N
Processing scope for products	18JUN2009 00:00:00 to 19JUN2009 00:00:00
Start time of first product within scope	17JUN2009 22:23:06
Stop time of last product within scope	19JUN2009 01:15:32
Total number of level 0 products	17
Number of level 0 products with errors	2

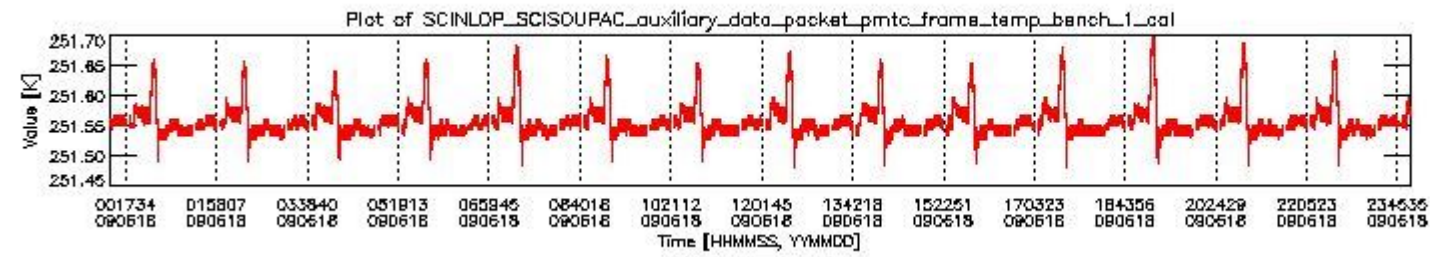
0.1.2 Summary per product

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

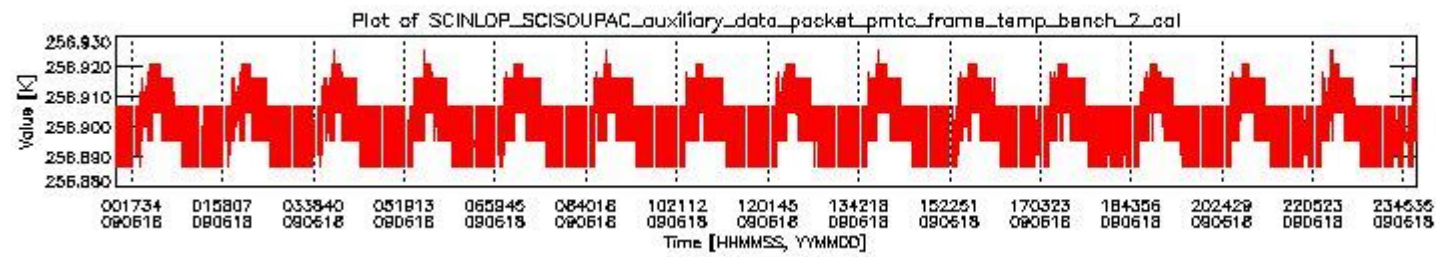
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090617_222306_000061322080_00029_38159_9348.N1	17JUN2009 22:23:06	18JUN2009 00:05:18	0	0	0	0	0
1	SCI_NL__OPNPDE20090618_000350_000060282080_00030_38160_9349.N1	18JUN2009 00:03:50	18JUN2009 01:44:18	0	0	0	0	0
2	SCI_NL__OPNPDE20090618_014330_000044462080_00031_38161_9350.N1	18JUN2009 01:43:30	18JUN2009 02:57:36	0	0	0	0	0
3	SCI_NL__OPNPDE20090618_025640_000061602080_00032_38162_9351.N1	18JUN2009 02:56:40	18JUN2009 04:39:21	0	0	0	0	0
4	SCI_NL__OPNPDE20090618_043921_000060362080_00033_38163_9352.N1	18JUN2009 04:39:21	18JUN2009 06:19:57	0	0	0	0	0
5	SCI_NL__OPNPDK20090618_061957_000040452080_00034_38164_1826.N1	18JUN2009 06:19:57	18JUN2009 07:27:22	0	0	0	0	0
6	SCI_NL__OPNPDK20090618_072722_000060922080_00035_38165_1827.N1	18JUN2009 07:27:22	18JUN2009 09:08:53	1	1	0	0	0
7	SCI_NL__OPNPDK20090618_090853_000059802080_00036_38166_1828.N1	18JUN2009 09:08:53	18JUN2009 10:48:33	0	0	0	0	0
8	SCI_NL__OPNPDK20090618_104725_000061042080_00037_38167_1829.N1	18JUN2009 10:47:25	18JUN2009 12:29:09	0	0	0	0	0
9	SCI_NL__OPNPDK20090618_122909_000058562080_00038_38168_1830.N1	18JUN2009 12:29:09	18JUN2009 14:06:45	0	0	0	0	0
10	SCI_NL__OPNPDK20090618_140645_000058992080_00039_38169_1831.N1	18JUN2009 14:06:45	18JUN2009 15:45:03	0	0	0	0	0
11	SCI_NL__OPNPDK20090618_154503_000058712080_00040_38170_1832.N1	18JUN2009 15:45:03	18JUN2009 17:22:54	0	0	0	0	0
12	SCI_NL__OPNPDK20090618_172254_000059122080_00041_38171_1833.N1	18JUN2009 17:22:54	18JUN2009 19:01:26	1	1	0	0	0
13	SCI_NL__OPNPDK20090618_190017_000060892080_00042_38172_1834.N1	18JUN2009 19:00:17	18JUN2009 20:41:46	0	0	0	0	0
14	SCI_NL__OPNPDE20090618_203942_000043902080_00043_38173_9353.N1	18JUN2009 20:39:42	18JUN2009 21:52:52	0	0	0	0	0
15	SCI_NL__OPNPDE20090618_215128_000061322080_00043_38173_9354.N1	18JUN2009 21:51:28	18JUN2009 23:33:40	0	0	0	0	0
16	SCI_NL__OPNPDE20090618_233256_000061562080_00044_38174_9355.N1	18JUN2009 23:32:56	19JUN2009 01:15:32	0	0	0	0	0

0.2 Product Quality Indicators

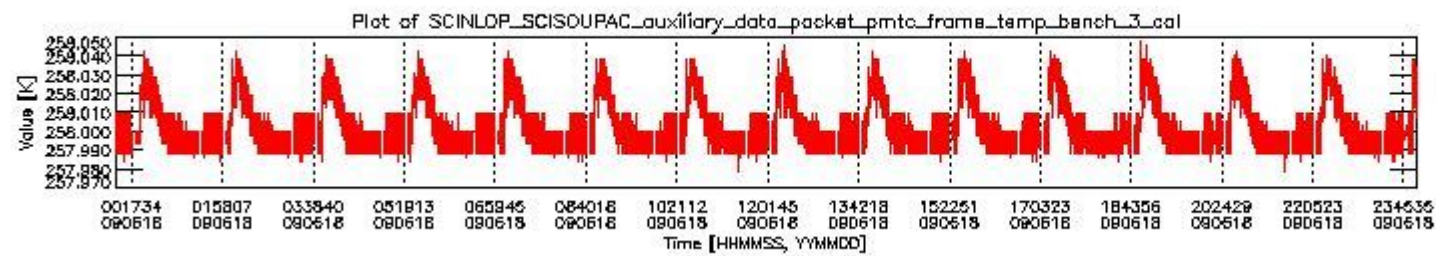
This section shows information about product quality, currently temperatures.



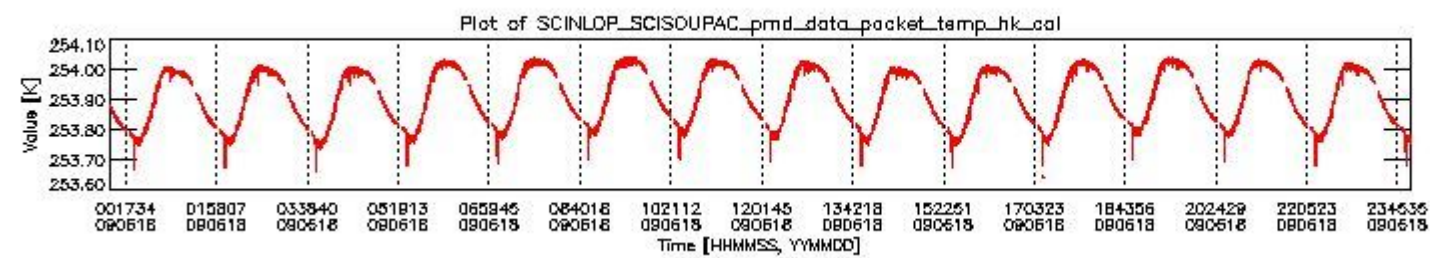
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090618_0.PNG



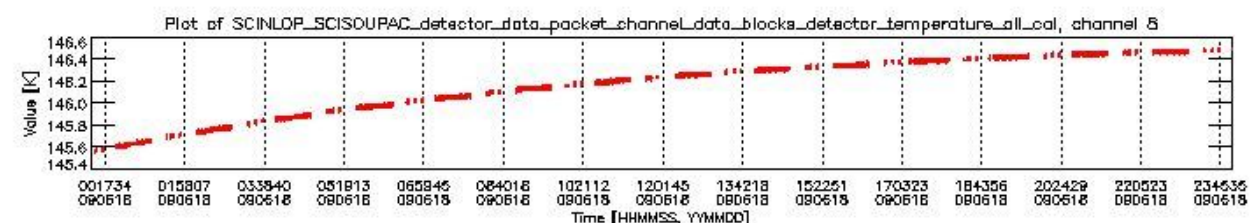
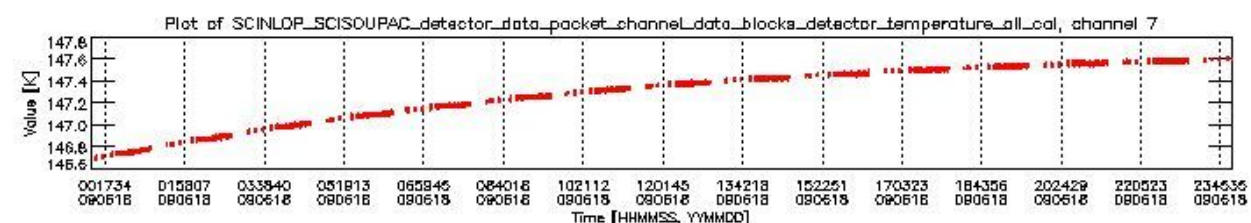
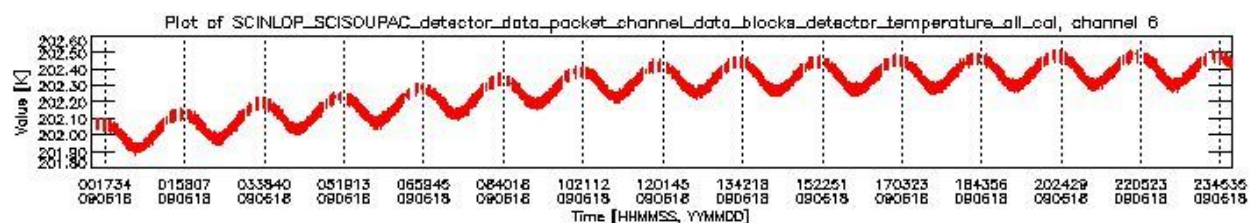
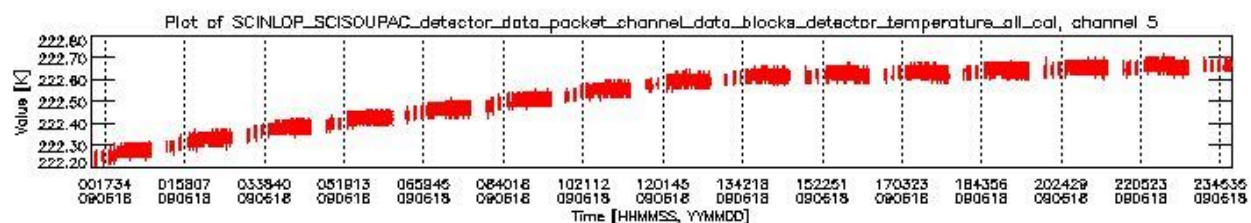
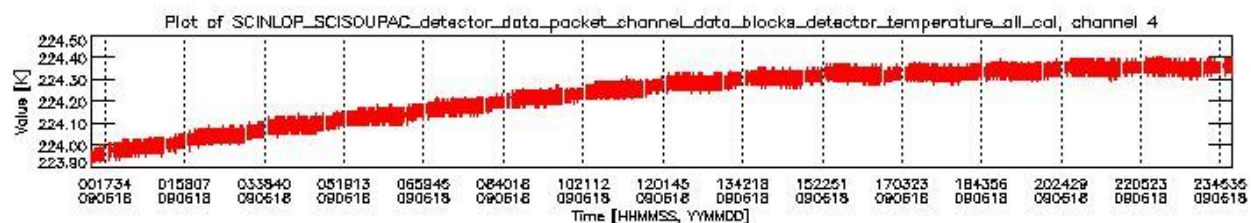
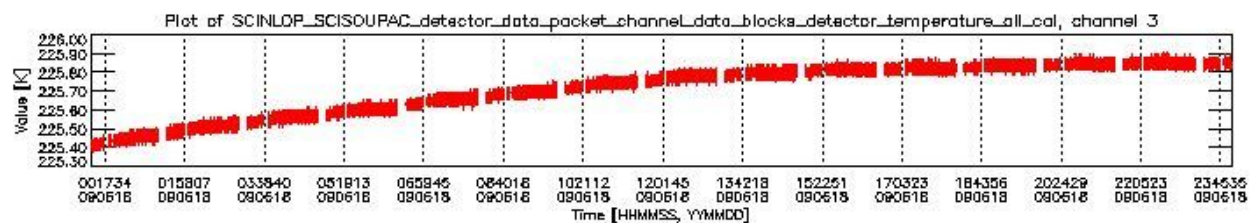
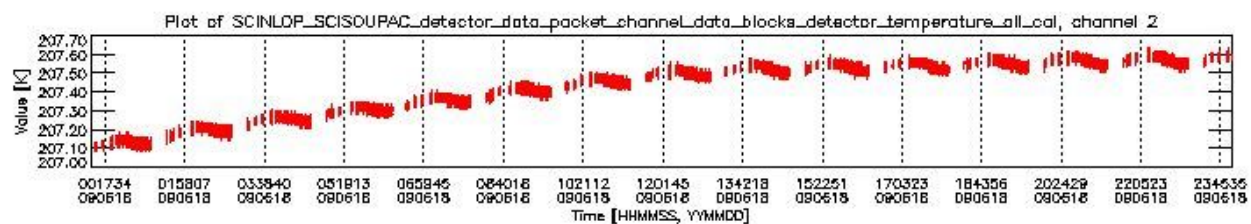
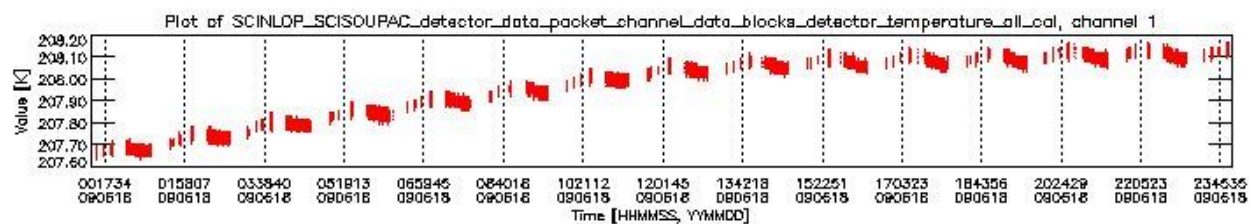
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090618_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090618_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090618_3.PNG

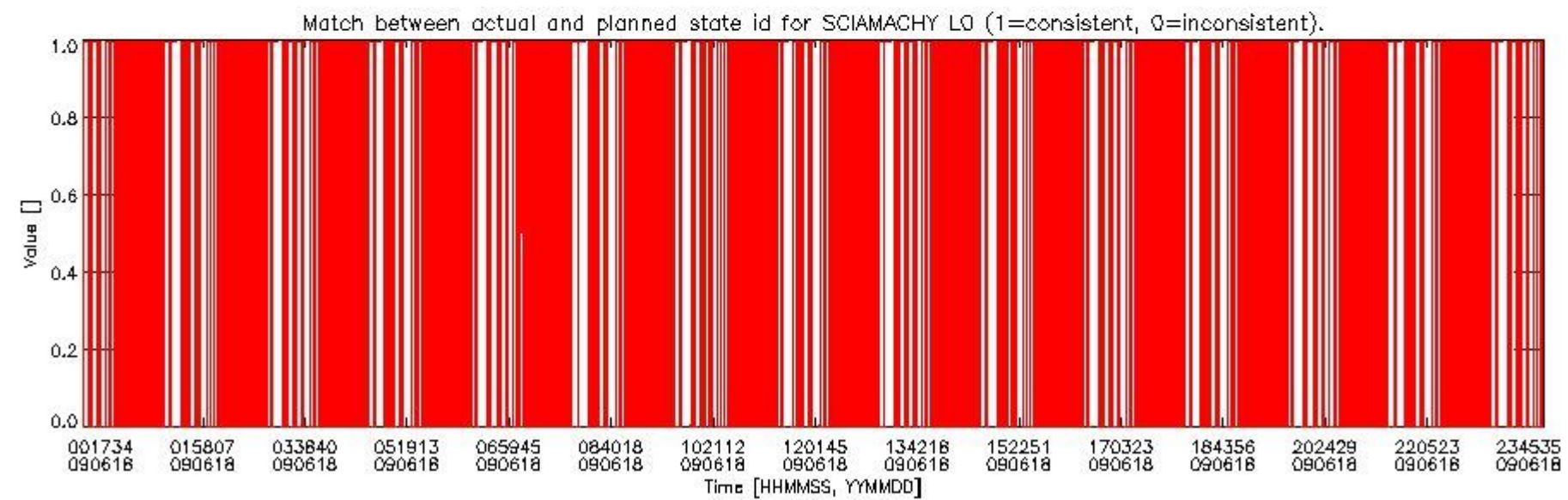
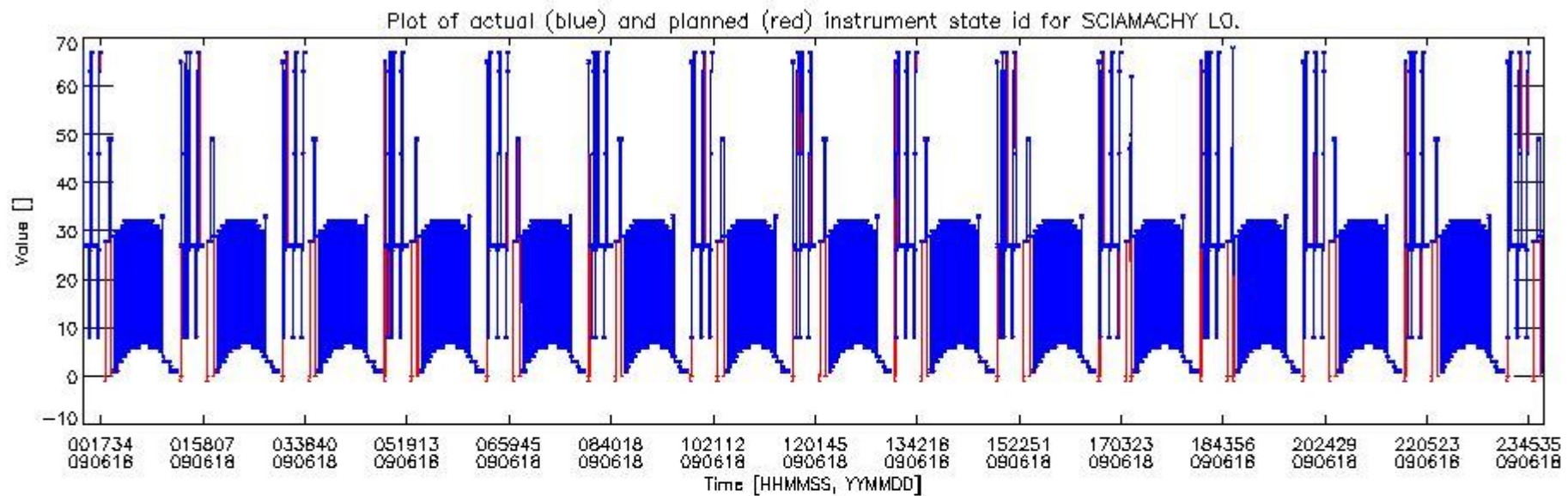


0.3 State monitoring

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: **37681**

#	Actual time	Actual value	Planned time	Planned value
0	18JUN2009 00:05:18.239473	8	18JUN2009 00:05:18.239473	27
1	18JUN2009 00:05:19.364472	8	18JUN2009 00:05:19.364472	27
2	18JUN2009 00:05:20.364466	8	18JUN2009 00:05:20.364466	27
3	18JUN2009 00:05:21.364501	8	18JUN2009 00:05:21.364501	27
4	18JUN2009 00:05:22.364496	8	18JUN2009 00:05:22.364496	27
5	18JUN2009 00:05:23.239486	8	18JUN2009 00:05:23.239486	27
6	18JUN2009 00:05:23.364490	8	18JUN2009 00:05:23.364490	27
7	18JUN2009 00:05:24.364485	8	18JUN2009 00:05:24.364485	27
8	18JUN2009 00:05:25.364479	8	18JUN2009 00:05:25.364479	27
9	18JUN2009 00:05:26.364474	8	18JUN2009 00:05:26.364474	27
10	18JUN2009 00:06:01.794175	26	18JUN2009 00:06:01.794175	8
11	18JUN2009 00:06:02.419197	26	18JUN2009 00:06:02.419197	8
12	18JUN2009 00:06:02.919174	26	18JUN2009 00:06:02.919174	8
13	18JUN2009 00:06:03.419192	26	18JUN2009 00:06:03.419192	8
14	18JUN2009 00:06:03.919169	26	18JUN2009 00:06:03.919169	8
15	18JUN2009 00:06:04.419186	26	18JUN2009 00:06:04.419186	8
16	18JUN2009 00:06:04.919163	26	18JUN2009 00:06:04.919163	8
17	18JUN2009 00:06:05.419181	26	18JUN2009 00:06:05.419181	8
18	18JUN2009 00:06:05.919158	26	18JUN2009 00:06:05.919158	8
19	18JUN2009 00:06:06.419175	26	18JUN2009 00:06:06.419175	8

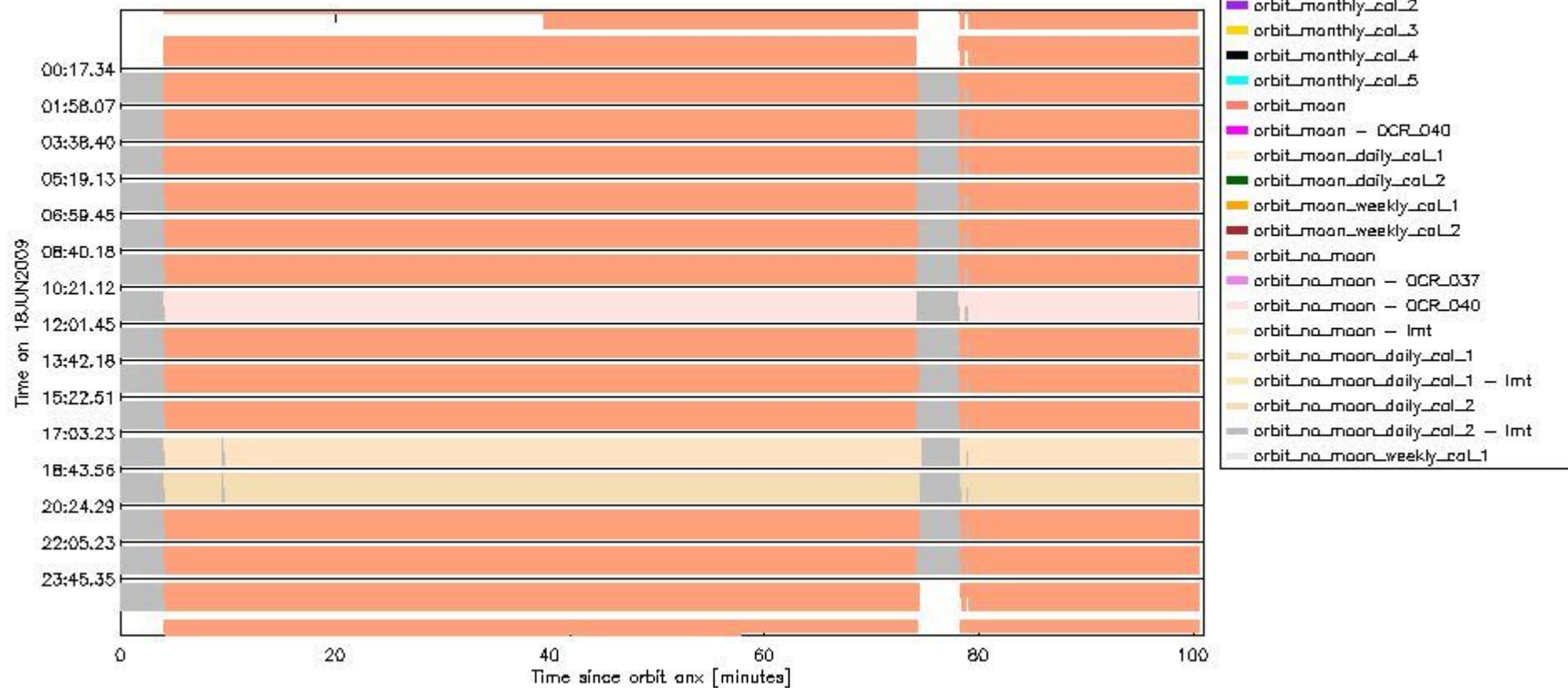


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090618_5.PNG

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 18JUN2009.
 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_20090618_6.PNG

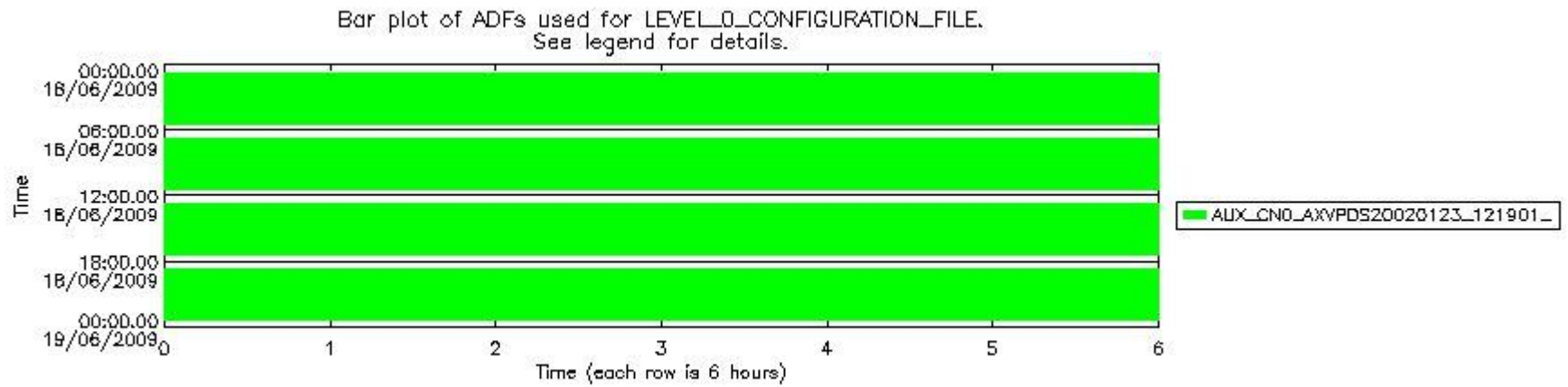
0.4 ADF monitoring

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

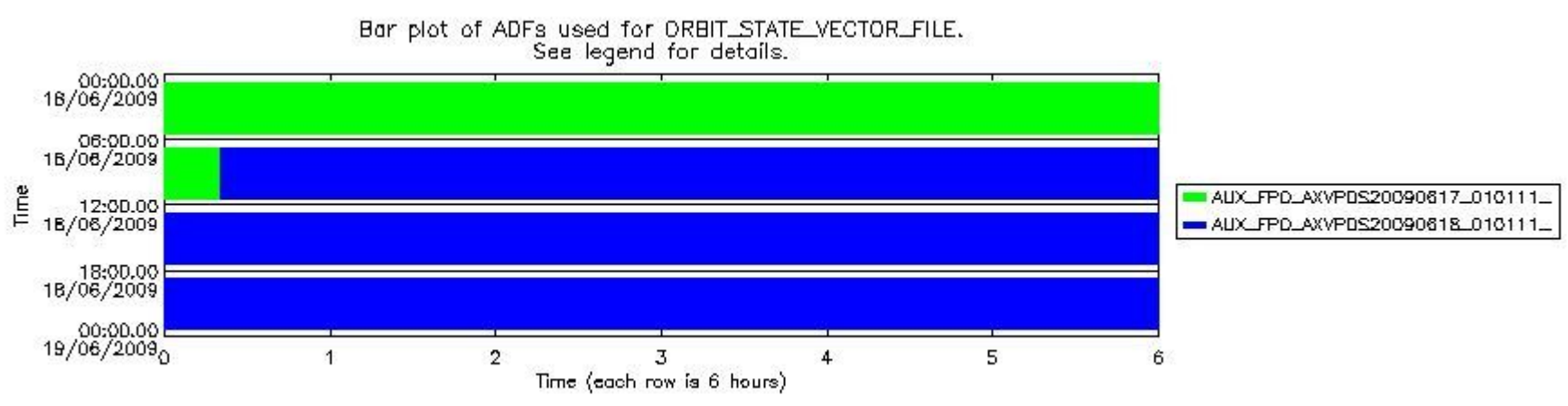
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

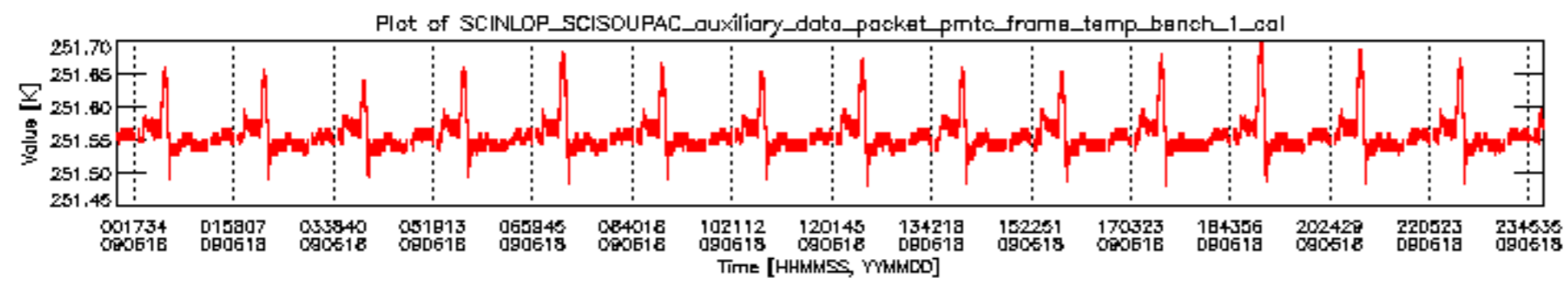
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090617_010111_20090616_194717_20090626_211331
2	AUX_FPO_AXVPDS20090618_010111_20090617_191540_20090627_204154

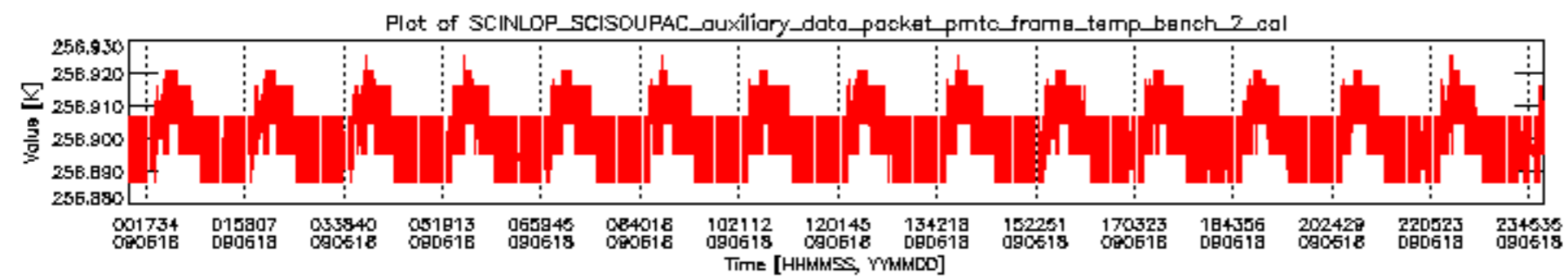


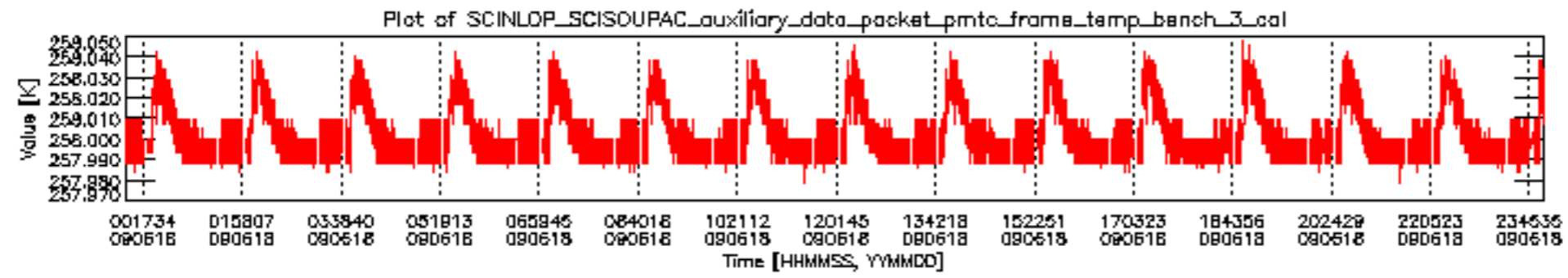
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090618_7.PNG

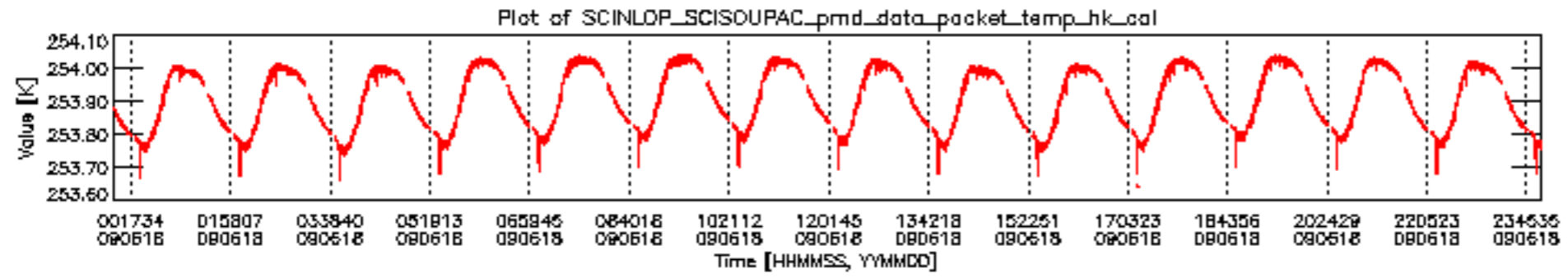


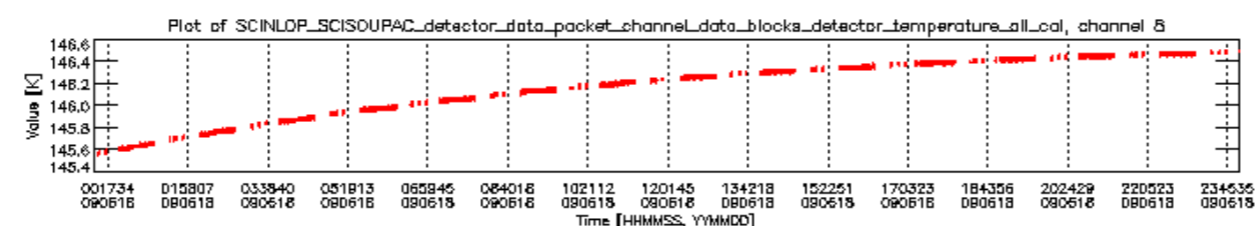
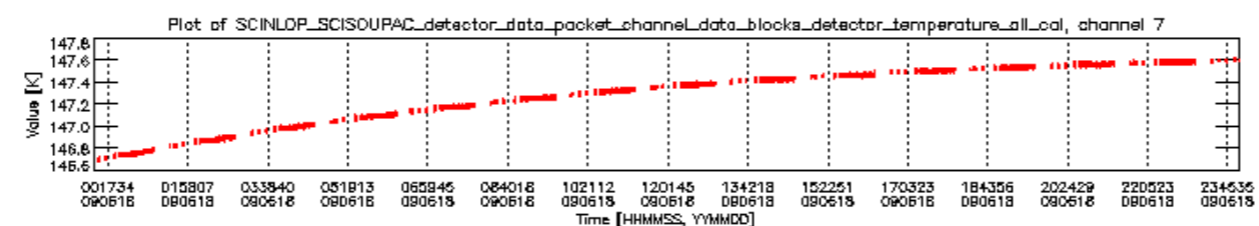
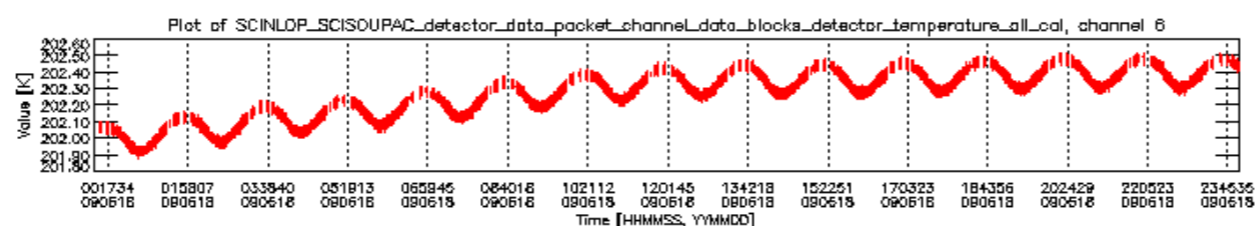
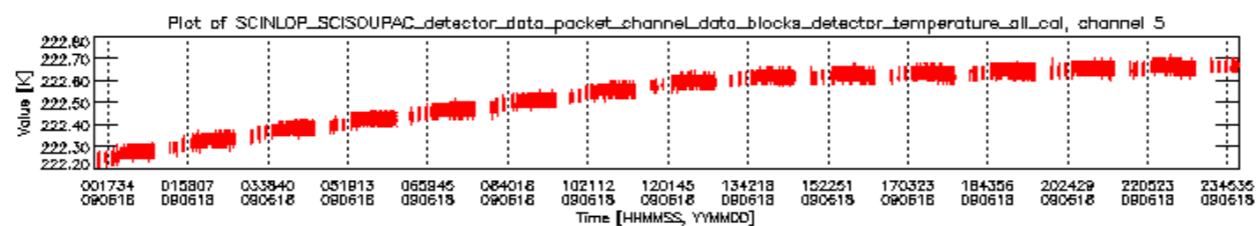
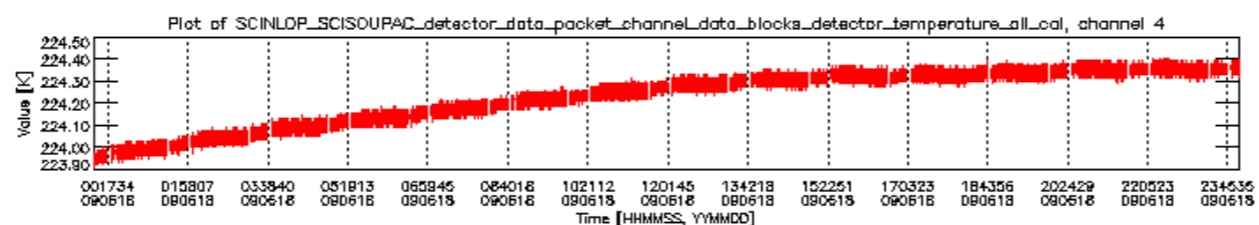
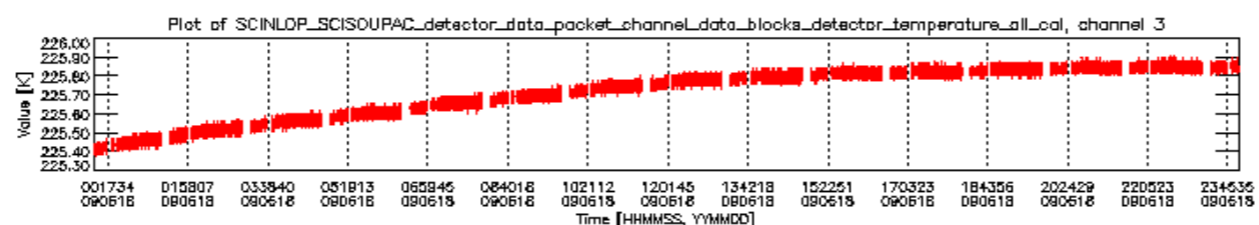
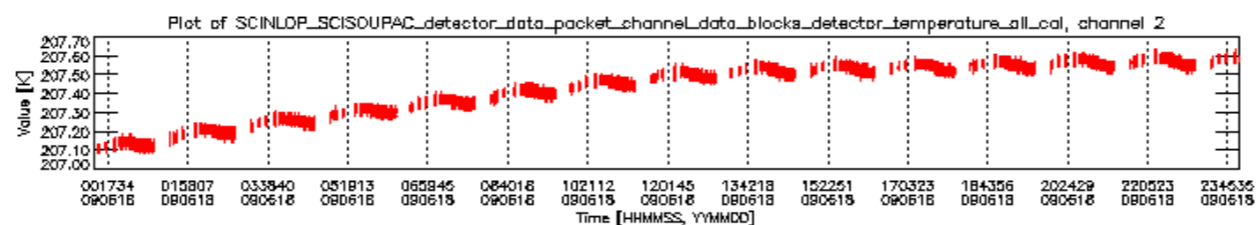
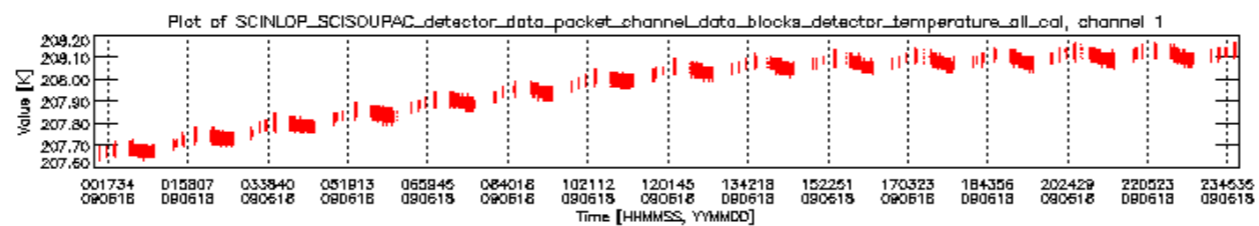
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090618_8.PNG

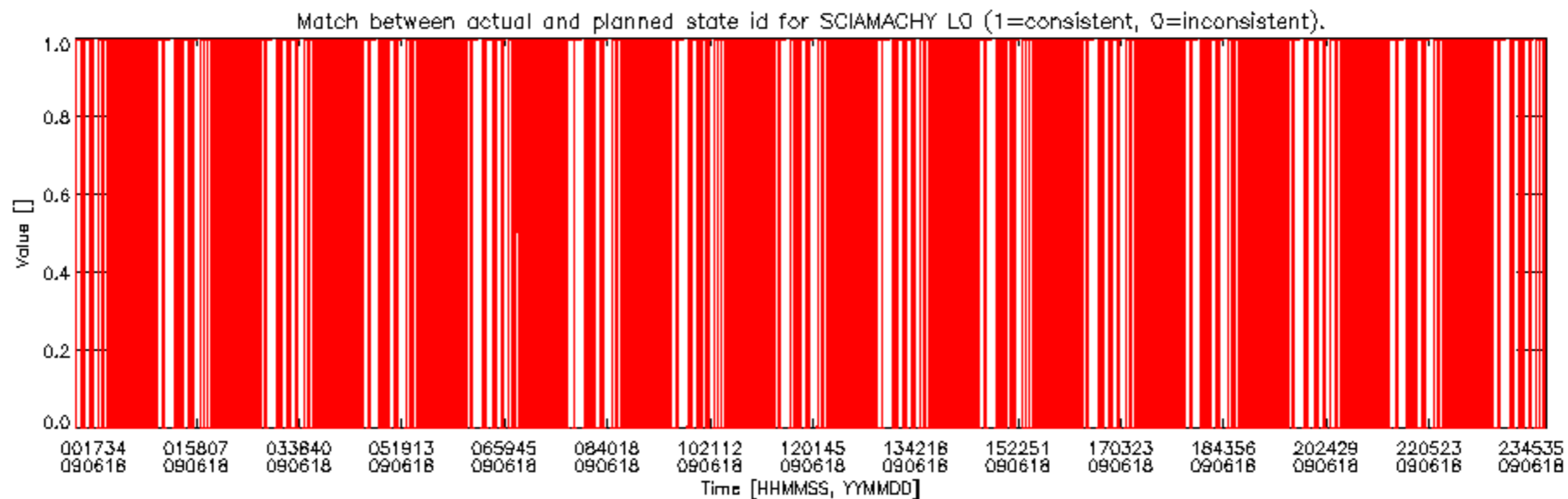
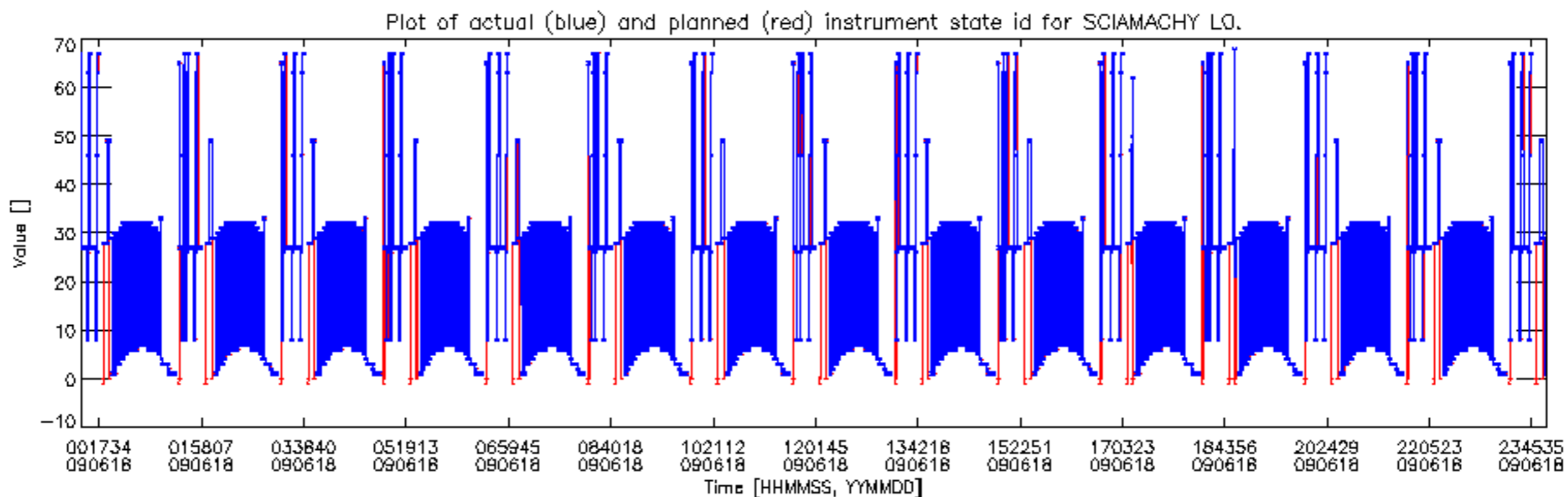












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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