

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	27JAN2009 04:21:07
Data source version	KSPT_L0/4303-N
Processing scope for products	23JAN2009 00:00:00 to 24JAN2009 00:00:00
Start time of first product within scope	22JAN2009 23:58:10
Stop time of last product within scope	24JAN2009 00:59:52
Total number of level 0 products	16
Number of level 0 products with errors	0

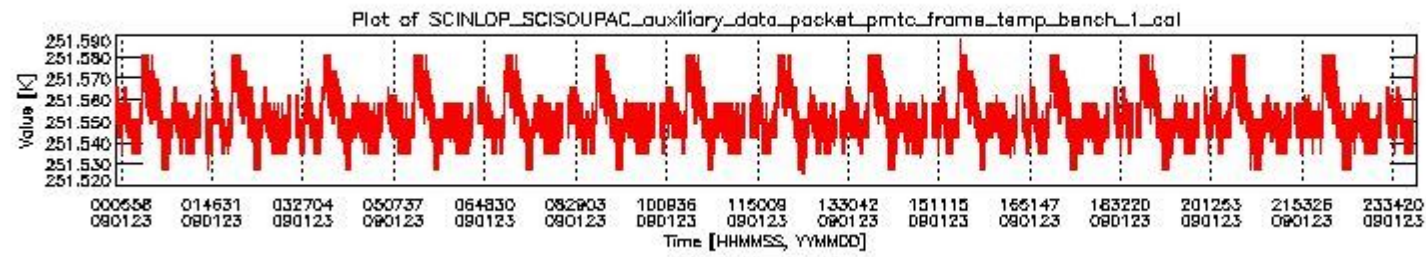
0.1.2 Summary per product

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

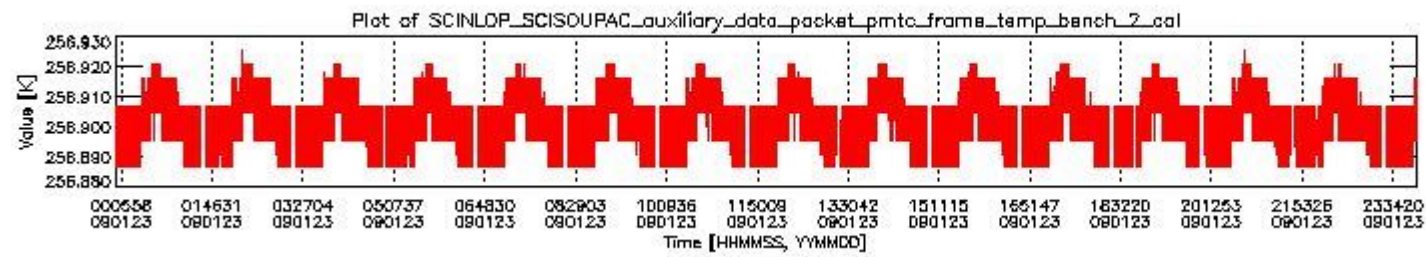
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090122_235810_000056042075_00445_36070_8347.N1	22JAN2009 23:58:10	23JAN2009 01:31:34	0	0	0	0	0
1	SCI_NL__OPNPDE20090123_013846_000043522075_00446_36071_8348.N1	23JAN2009 01:38:46	23JAN2009 02:51:17	0	0	0	0	0
2	SCI_NL__OPNPDE20090123_025009_000058552075_00447_36072_8349.N1	23JAN2009 02:50:09	23JAN2009 04:27:44	0	0	0	0	0
3	SCI_NL__OPNPDE20090123_042744_000060362075_00448_36073_8350.N1	23JAN2009 04:27:44	23JAN2009 06:08:20	0	0	0	0	0
4	SCI_NL__OPNPDK20090123_060820_000039892075_00449_36074_0526.N1	23JAN2009 06:08:20	23JAN2009 07:14:49	0	0	0	0	0
5	SCI_NL__OPNPDK20090123_071340_000063402075_00450_36075_0527.N1	23JAN2009 07:13:40	23JAN2009 08:59:20	0	0	0	0	0
6	SCI_NL__OPNPDK20090123_085824_000059802075_00451_36076_0528.N1	23JAN2009 08:58:24	23JAN2009 10:38:04	0	0	0	0	0
7	SCI_NL__OPNPDK20090123_103600_000060912075_00452_36077_0529.N1	23JAN2009 10:36:00	23JAN2009 12:17:31	0	0	0	0	0
8	SCI_NL__OPNPDK20090123_121622_000059802075_00453_36078_0530.N1	23JAN2009 12:16:22	23JAN2009 13:56:02	0	0	0	0	0
9	SCI_NL__OPNPDK20090123_135506_000059242075_00454_36079_0531.N1	23JAN2009 13:55:06	23JAN2009 15:33:50	0	0	0	0	0
10	SCI_NL__OPNPDK20090123_153132_000059792075_00455_36080_0532.N1	23JAN2009 15:31:32	23JAN2009 17:11:11	0	0	0	0	0
11	SCI_NL__OPNPDK20090123_170919_000059802075_00456_36081_0533.N1	23JAN2009 17:09:19	23JAN2009 18:48:59	0	0	0	0	0
12	SCI_NL__OPNPDK20090123_184859_000060912075_00457_36082_0534.N1	23JAN2009 18:48:59	23JAN2009 20:30:30	0	0	0	0	0
13	SCI_NL__OPNPDE20090123_202934_000041462075_00458_36083_8351.N1	23JAN2009 20:29:34	23JAN2009 21:38:41	0	0	0	0	0
14	SCI_NL__OPNPDE20090123_213841_000060232075_00458_36083_8352.N1	23JAN2009 21:38:41	23JAN2009 23:19:03	0	0	0	0	0
15	SCI_NL__OPNPDE20090123_232629_000056022075_00459_36084_8353.N1	23JAN2009 23:26:29	24JAN2009 00:59:52	0	0	0	0	0

0.2 Product Quality Indicators

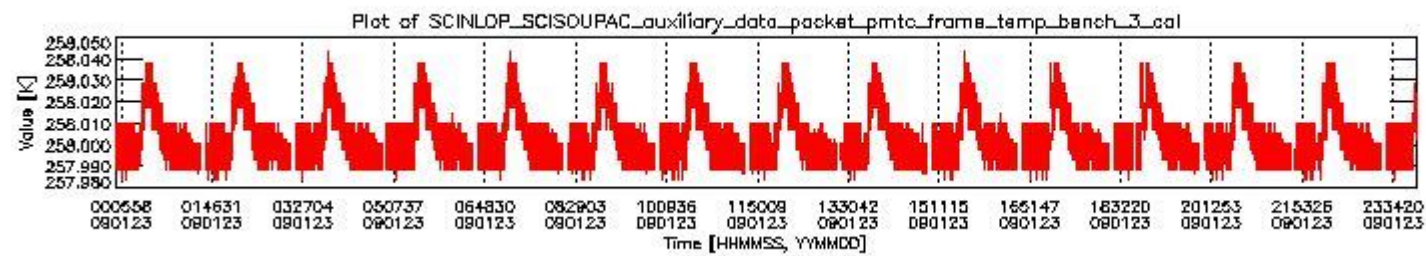
This section shows information about product quality, currently temperatures.



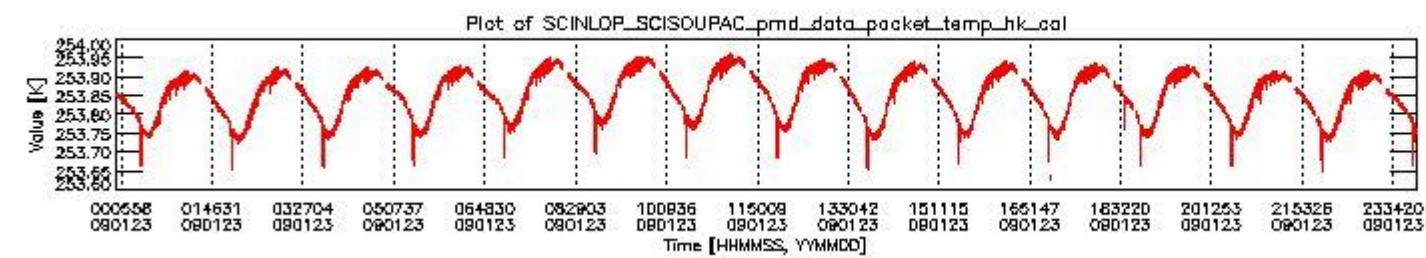
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090123_0.PNG



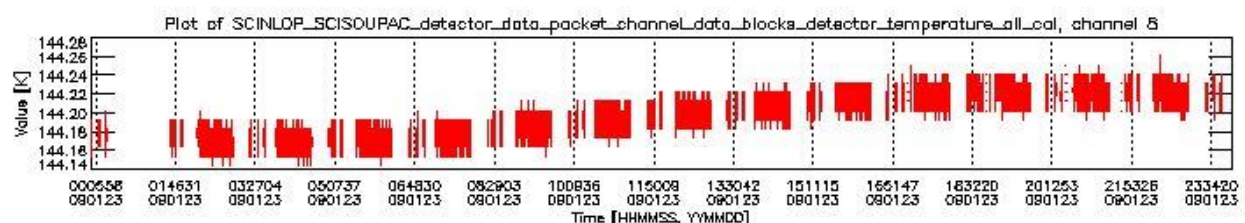
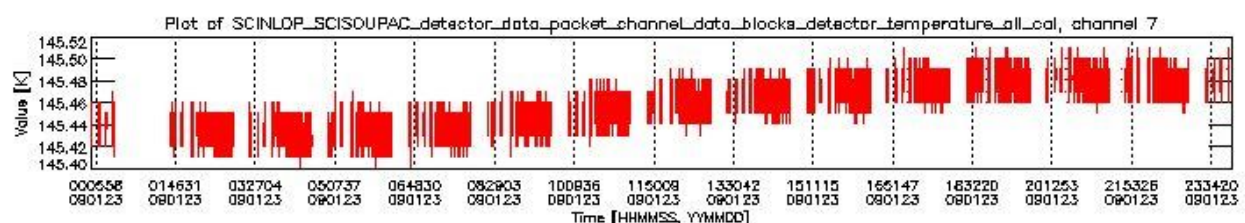
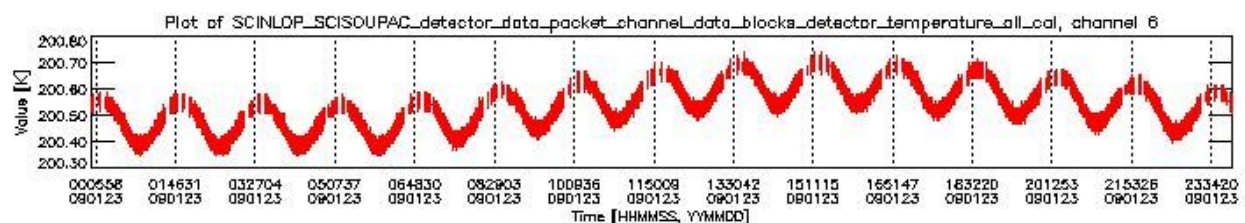
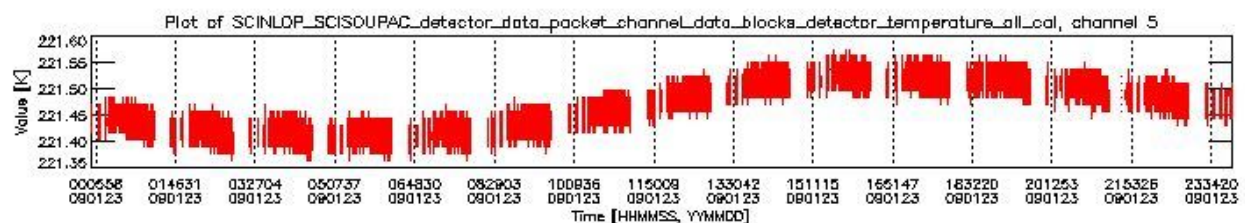
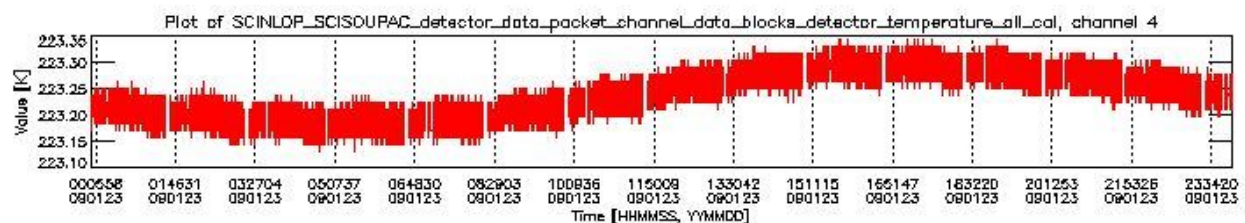
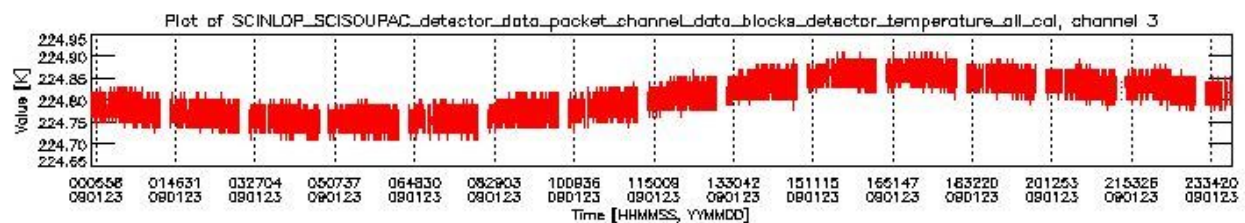
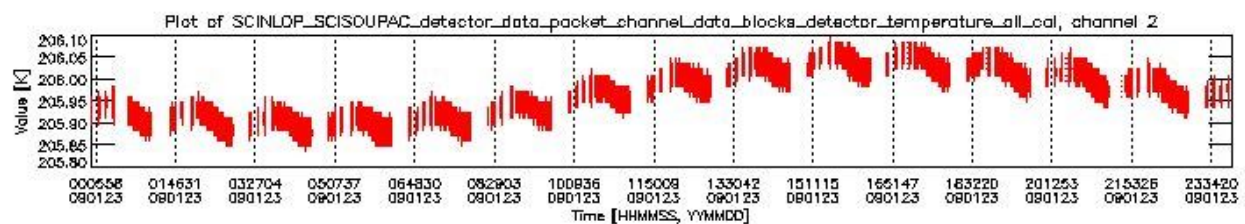
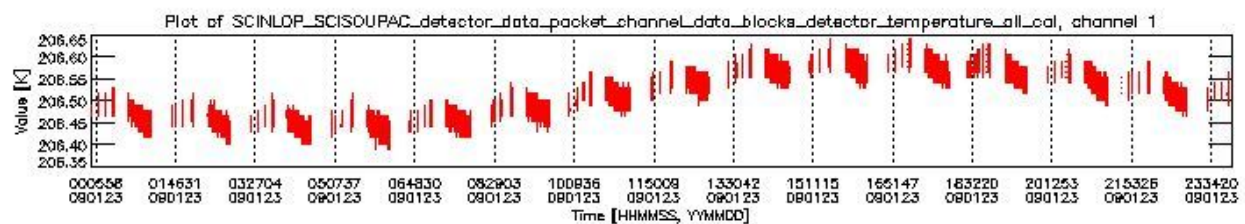
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090123_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090123_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090123_3.PNG

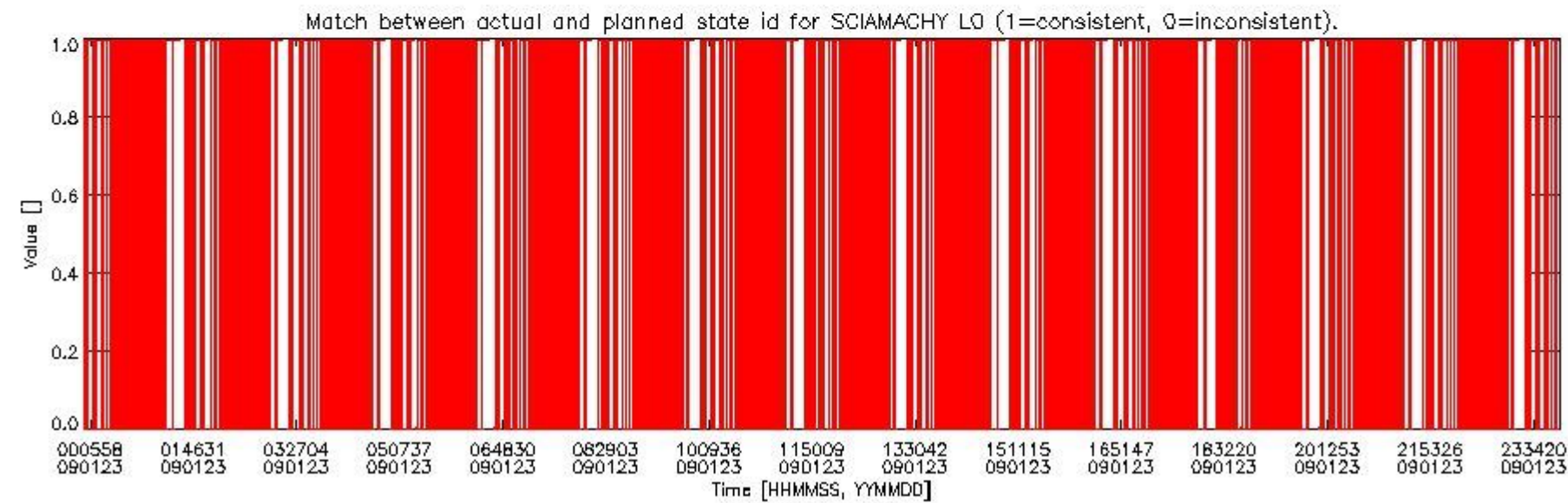
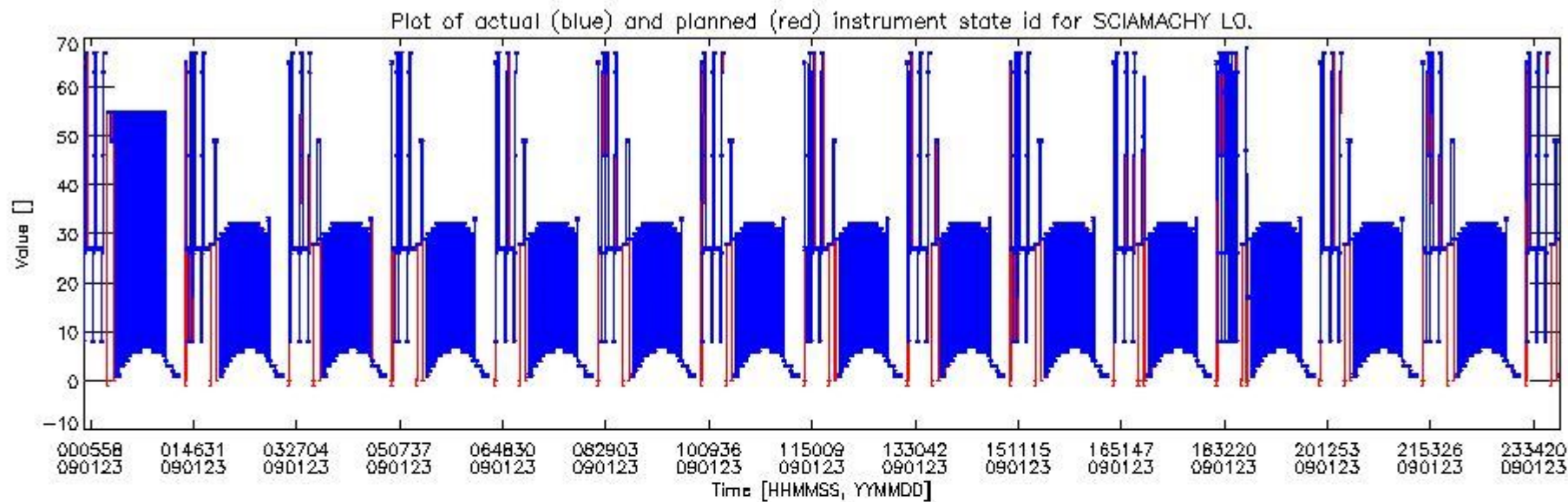


0.3 State monitoring

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: **58343**

#	Actual time	Actual value	Planned time	Planned value
0	23JAN2009 00:00:11.649142	46	23JAN2009 00:00:11.649142	26
1	23JAN2009 00:00:12.274124	46	23JAN2009 00:00:12.274124	26
2	23JAN2009 00:00:12.774141	46	23JAN2009 00:00:12.774141	26
3	23JAN2009 00:00:13.274118	46	23JAN2009 00:00:13.274118	26
4	23JAN2009 00:00:13.774136	46	23JAN2009 00:00:13.774136	26
5	23JAN2009 00:00:14.274113	46	23JAN2009 00:00:14.274113	26
6	23JAN2009 00:00:14.774130	46	23JAN2009 00:00:14.774130	26
7	23JAN2009 00:00:15.274107	46	23JAN2009 00:00:15.274107	26
8	23JAN2009 00:00:15.774125	46	23JAN2009 00:00:15.774125	26
9	23JAN2009 00:00:16.274142	46	23JAN2009 00:00:16.274142	26
10	23JAN2009 00:00:16.649115	46	23JAN2009 00:00:16.649115	26
11	23JAN2009 00:00:16.774119	46	23JAN2009 00:00:16.774119	26
12	23JAN2009 00:00:17.274137	46	23JAN2009 00:00:17.274137	26
13	23JAN2009 00:00:17.774114	46	23JAN2009 00:00:17.774114	26
14	23JAN2009 00:00:18.274131	46	23JAN2009 00:00:18.274131	26
15	23JAN2009 00:00:18.774109	46	23JAN2009 00:00:18.774109	26
16	23JAN2009 00:00:19.274126	46	23JAN2009 00:00:19.274126	26
17	23JAN2009 00:00:19.774143	46	23JAN2009 00:00:19.774143	26
18	23JAN2009 00:00:20.274121	46	23JAN2009 00:00:20.274121	26
19	23JAN2009 00:00:20.774138	46	23JAN2009 00:00:20.774138	26

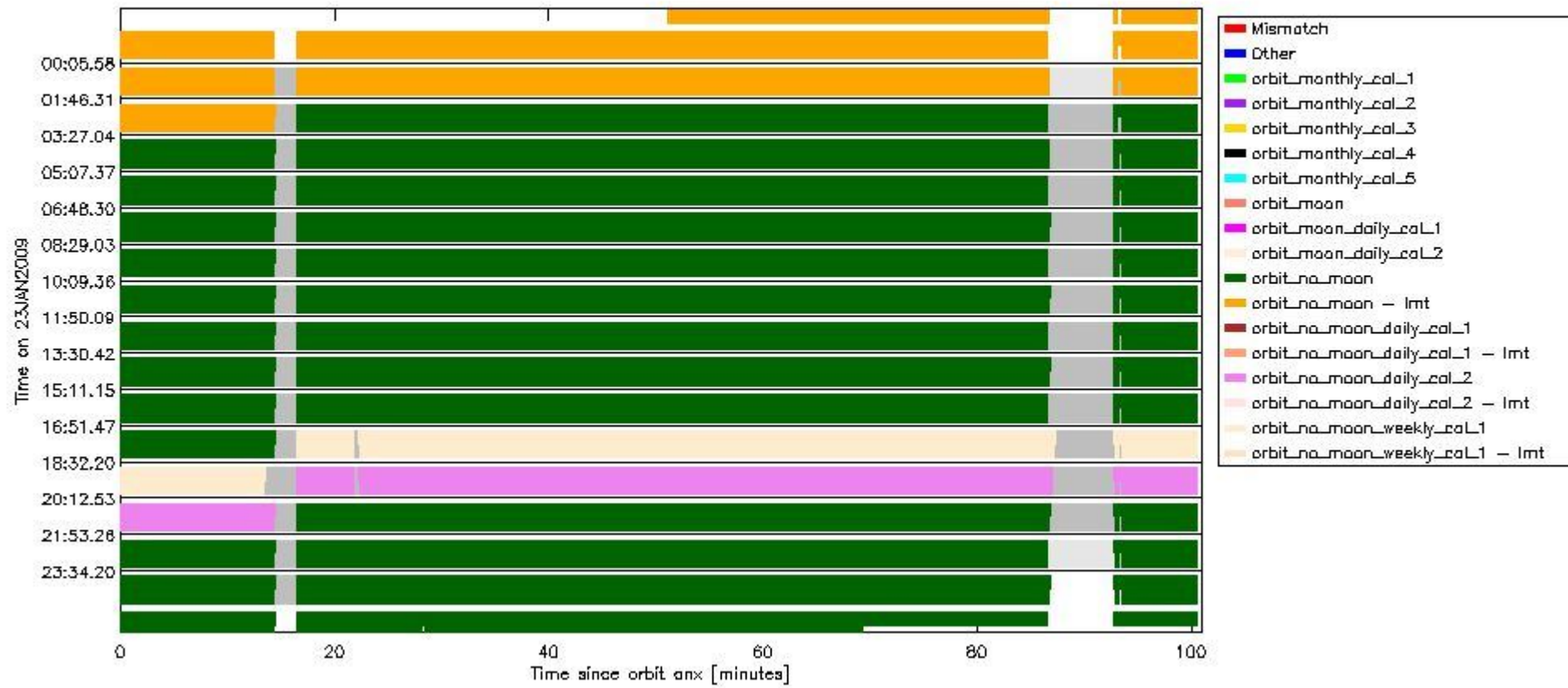


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090123_5.PNG

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 23JAN2009.
 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_20090123_6.PNG

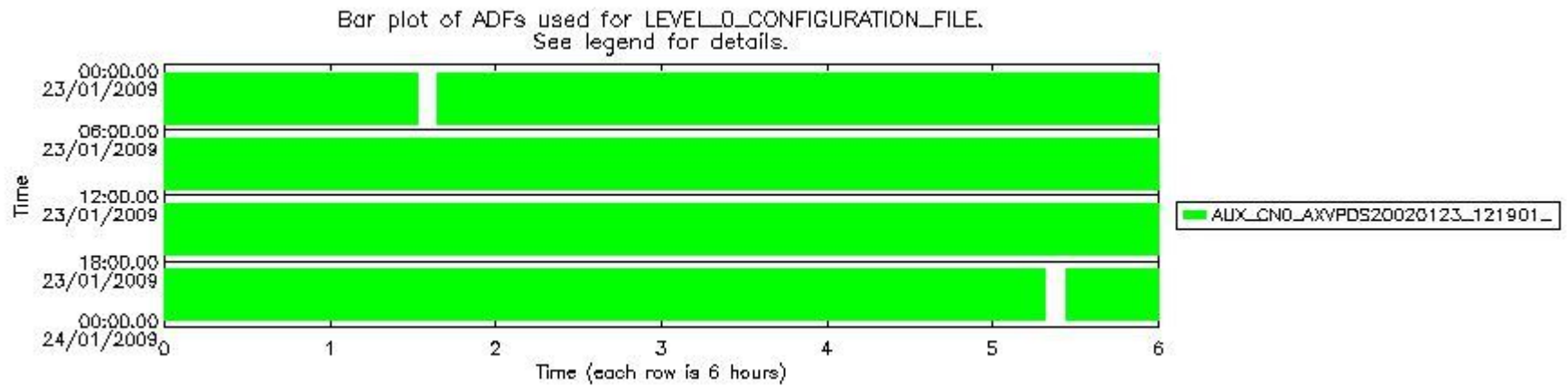
0.4 ADF monitoring

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

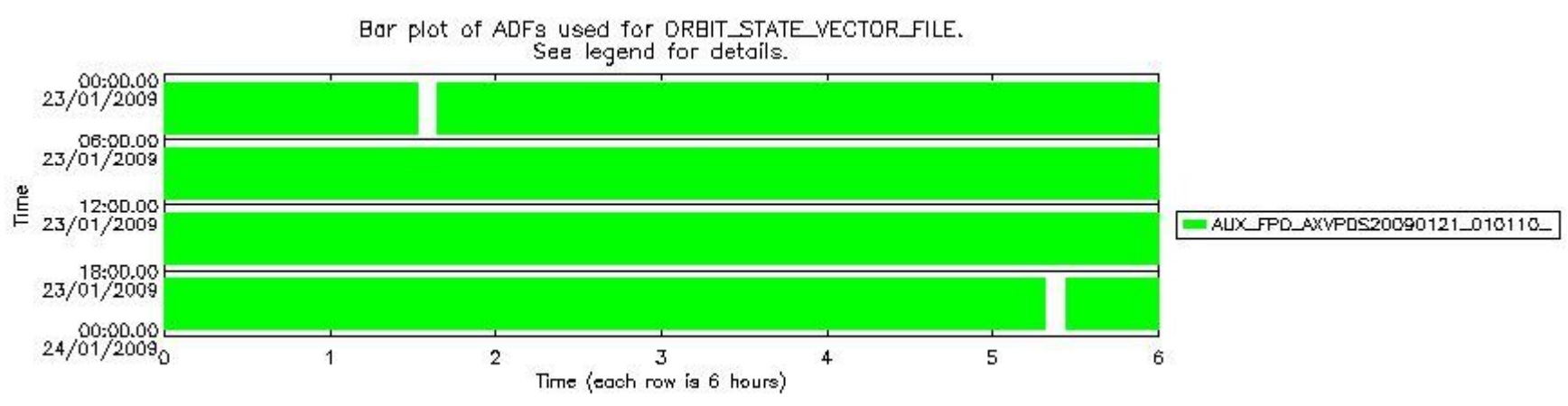
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

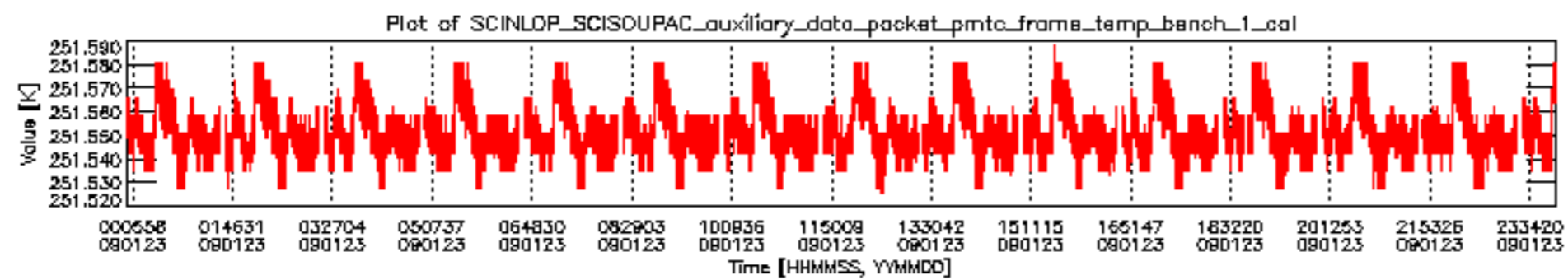
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090121_010110_20090120_182645_20090130_213333

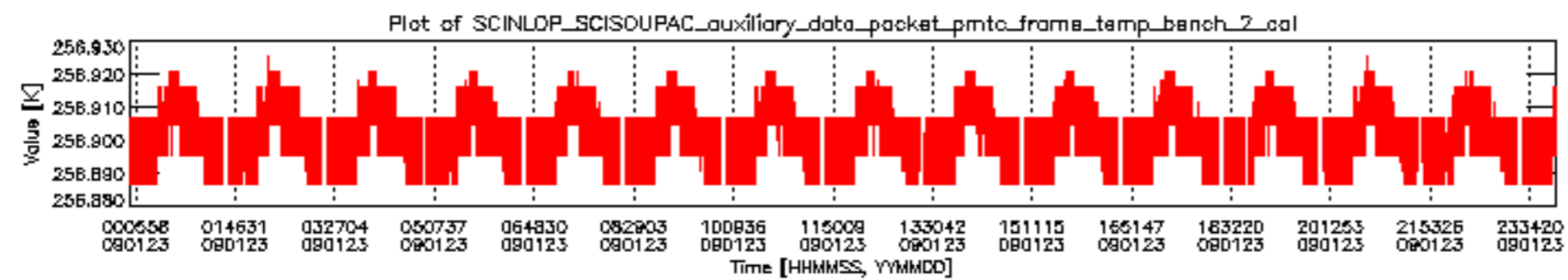


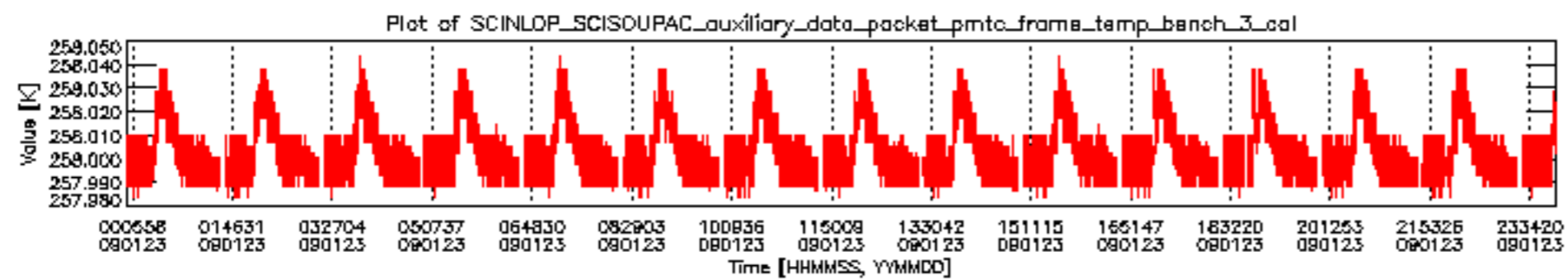
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090123_7.PNG

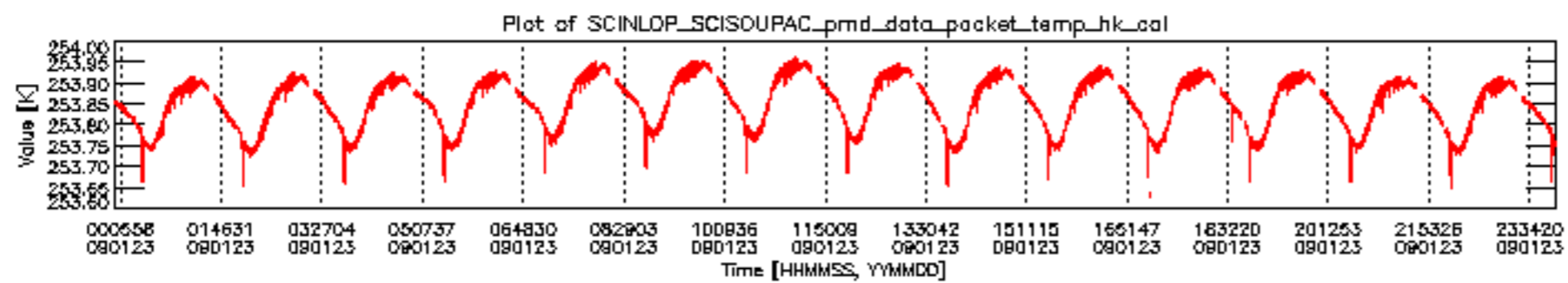


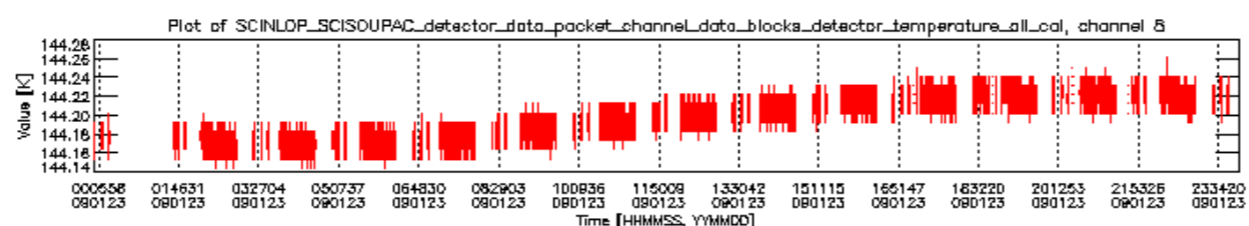
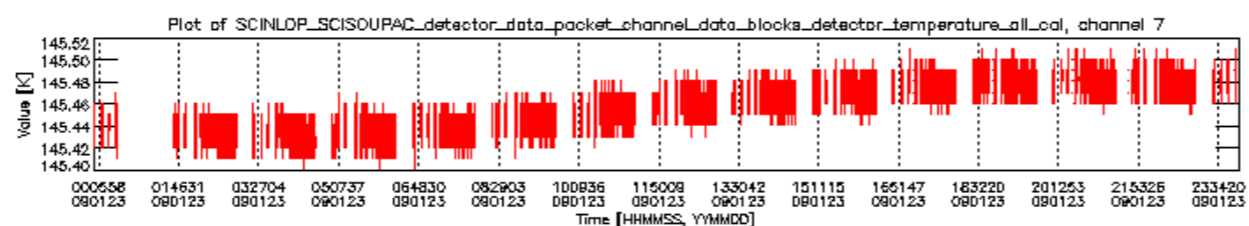
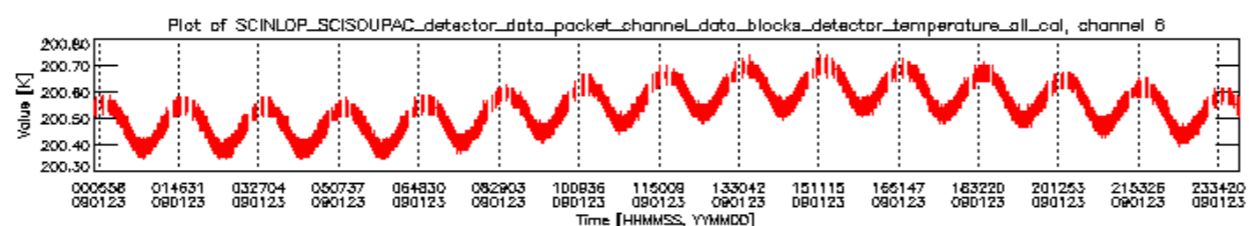
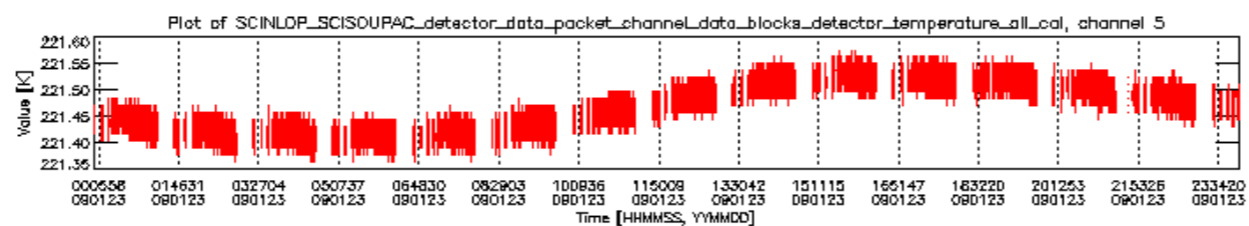
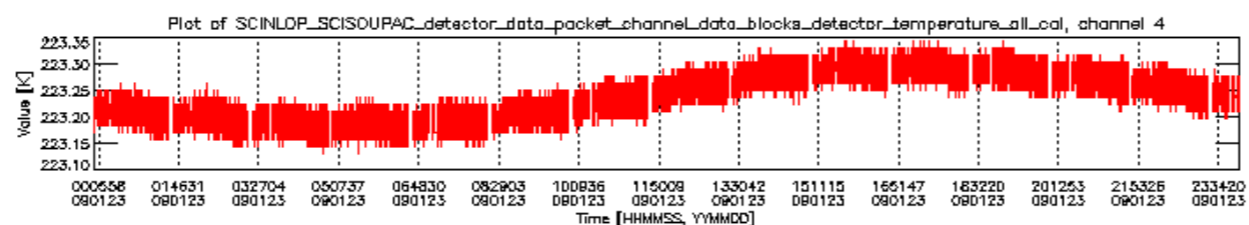
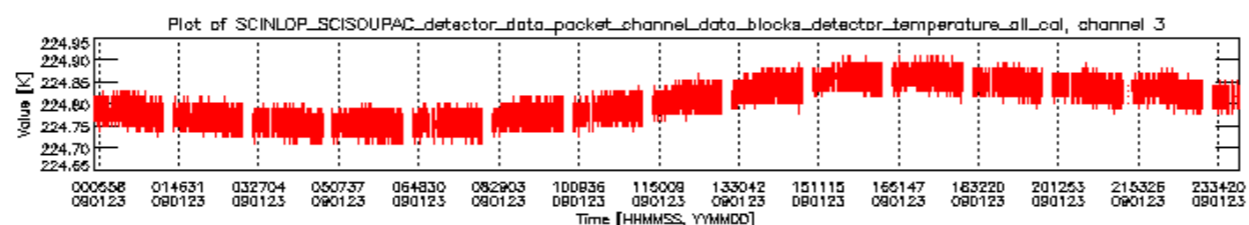
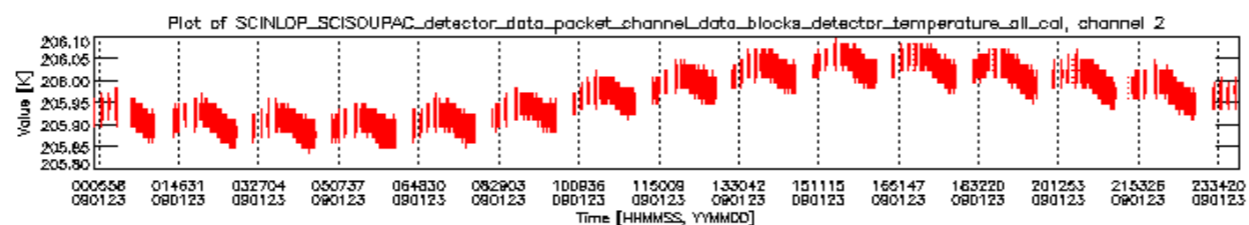
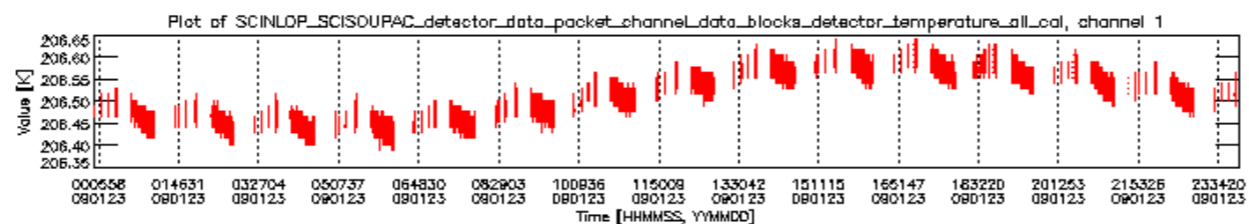
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090123_8.PNG

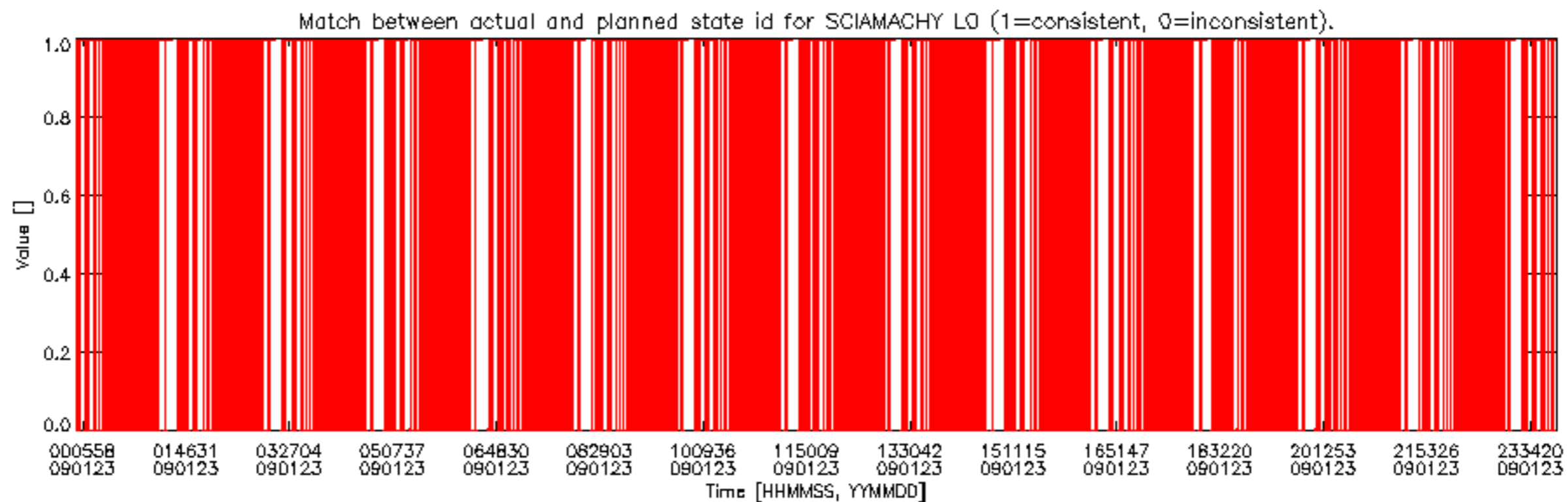
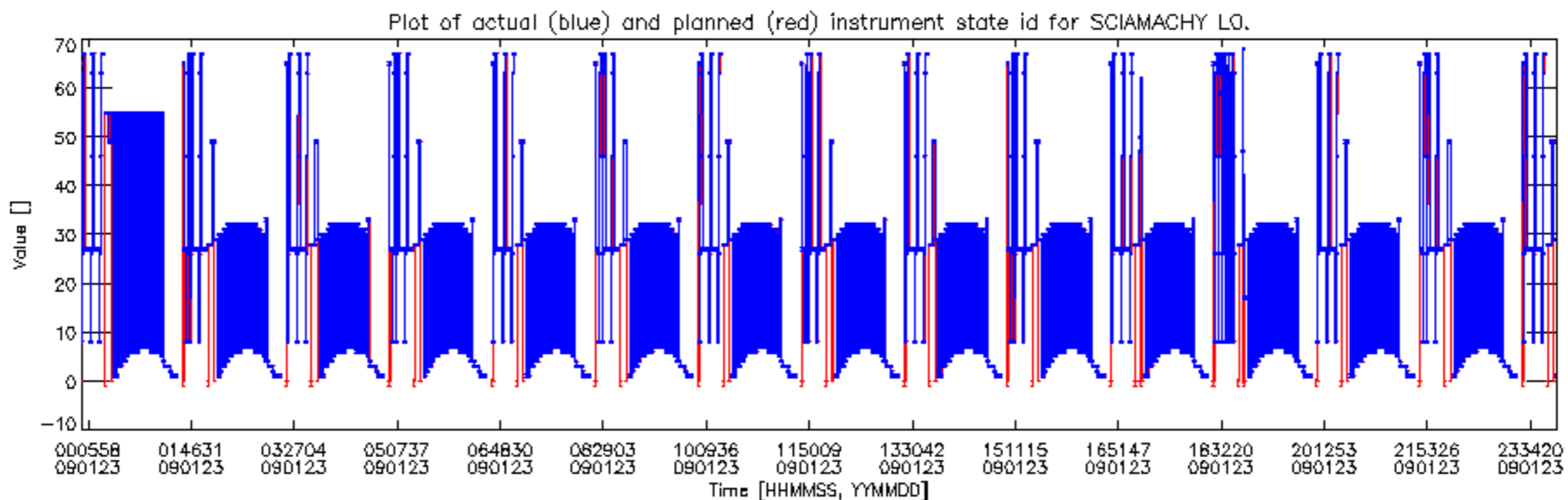












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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