

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	07APR2009 04:50:39
Data source version	KSPT_L0/4303-N
Processing scope for products	03APR2009 00:00:00 to 04APR2009 00:00:00
Start time of first product within scope	02APR2009 23:54:02
Stop time of last product within scope	04APR2009 01:04:05
Total number of level 0 products	16
Number of level 0 products with errors	1

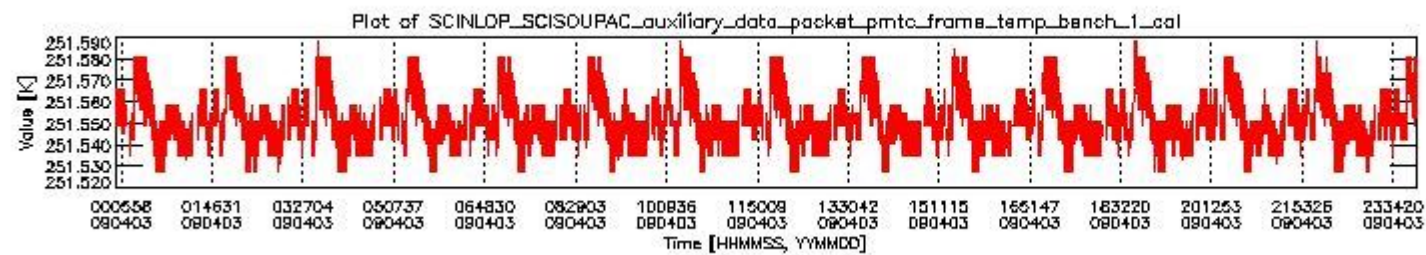
0.1.2 Summary per product

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

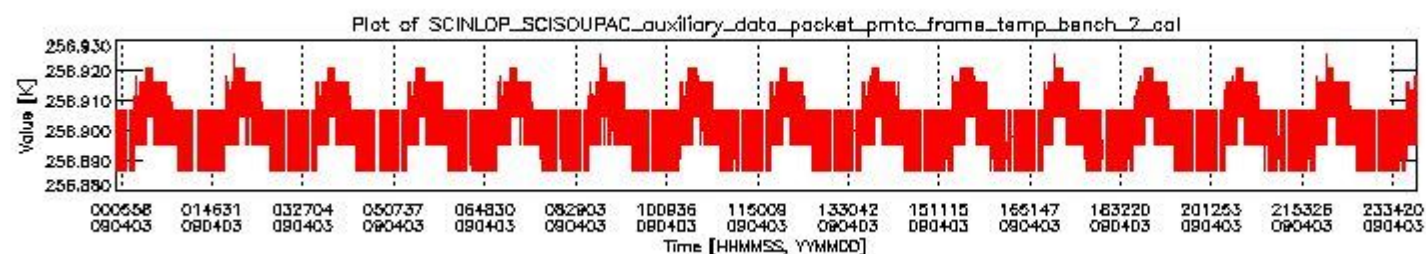
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090402_235402_000059372077_00445_37072_8875.N1	02APR2009 23:54:02	03APR2009 01:32:58	0	0	0	0	0
1	SCI_NL__OPNPDE20090403_013138_000048232077_00446_37073_8876.N1	03APR2009 01:31:38	03APR2009 02:52:01	0	0	0	0	0
2	SCI_NL__OPNPDE20090403_025105_000058432077_00447_37074_8877.N1	03APR2009 02:51:05	03APR2009 04:28:28	0	0	0	0	0
3	SCI_NL__OPNPDE20090403_042719_000061042077_00448_37075_8878.N1	03APR2009 04:27:19	03APR2009 06:09:03	0	0	0	0	0
4	SCI_NL__OPNPDK20090403_060903_000040452077_00449_37076_1164.N1	03APR2009 06:09:03	03APR2009 07:16:28	0	0	0	0	0
5	SCI_NL__OPNPDK20090403_071519_000062282077_00450_37077_1165.N1	03APR2009 07:15:19	03APR2009 08:59:08	1	0	1	0	0
6	SCI_NL__OPNPDK20090403_085759_000060352077_00451_37078_1166.N1	03APR2009 08:57:59	03APR2009 10:38:35	0	0	0	0	0
7	SCI_NL__OPNPDK20090403_103739_000059672077_00452_37079_1167.N1	03APR2009 10:37:39	03APR2009 12:17:06	0	0	0	0	0
8	SCI_NL__OPNPDK20090403_121610_000059672077_00453_37080_1168.N1	03APR2009 12:16:10	03APR2009 13:55:37	0	0	0	0	0
9	SCI_NL__OPNPDK20090403_135537_000058552077_00454_37081_1169.N1	03APR2009 13:55:37	03APR2009 15:33:12	0	0	0	0	0
10	SCI_NL__OPNPDK20090403_153108_000060572077_00455_37082_1170.N1	03APR2009 15:31:08	03APR2009 17:12:04	0	0	0	0	0
11	SCI_NL__OPNPDK20090403_171056_000058682077_00456_37083_1171.N1	03APR2009 17:10:56	03APR2009 18:48:44	0	0	0	0	0
12	SCI_NL__OPNPDK20090403_184748_000060142077_00457_37084_1172.N1	03APR2009 18:47:48	03APR2009 20:28:02	0	0	0	0	0
13	SCI_NL__OPNPDE20090403_202544_000044252077_00458_37085_8879.N1	03APR2009 20:25:44	03APR2009 21:39:29	0	0	0	0	0
14	SCI_NL__OPNPDE20090403_213842_000062152077_00458_37085_8880.N1	03APR2009 21:38:42	03APR2009 23:22:17	0	0	0	0	0
15	SCI_NL__OPNPDE20090403_232130_000061552077_00459_37086_8881.N1	03APR2009 23:21:30	04APR2009 01:04:05	0	0	0	0	0

0.2 Product Quality Indicators

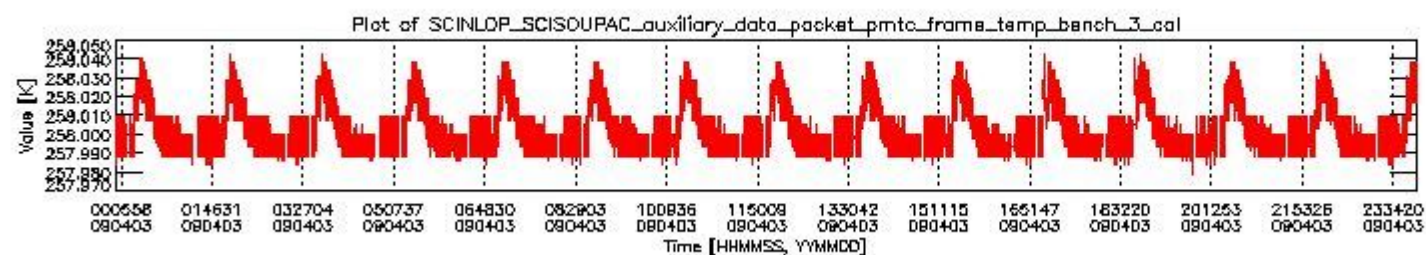
This section shows information about product quality, currently temperatures.



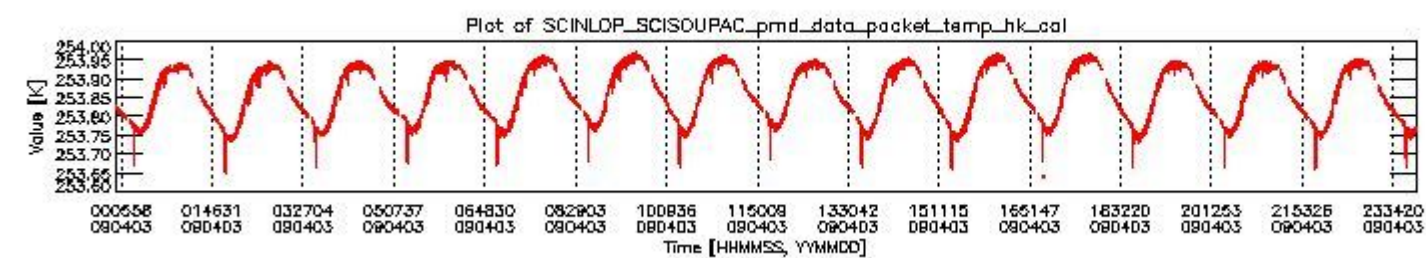
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090403_0.PNG



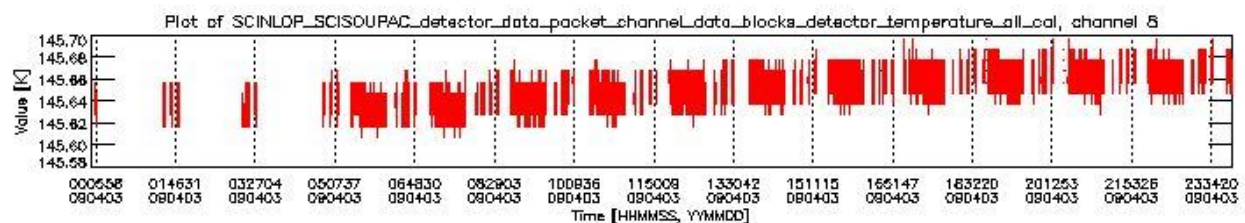
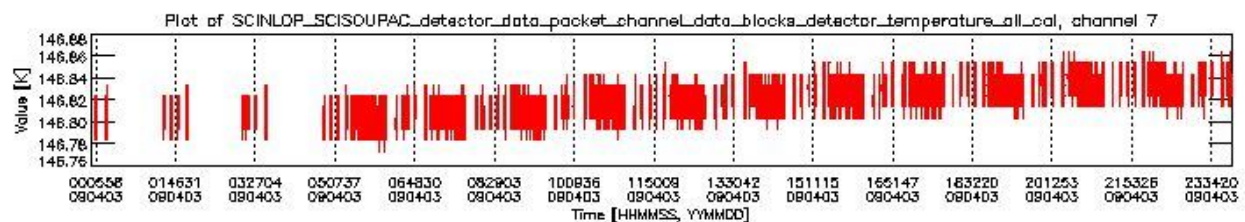
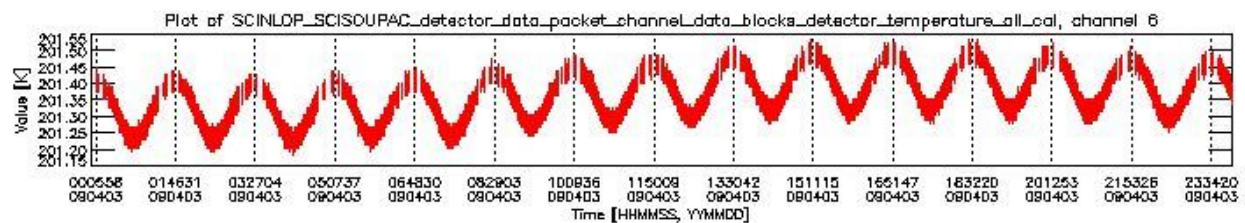
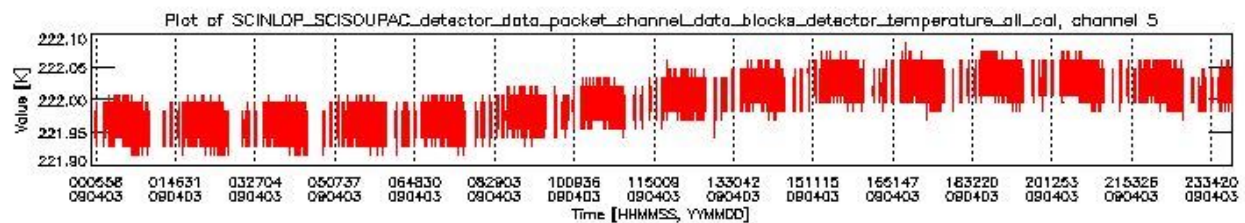
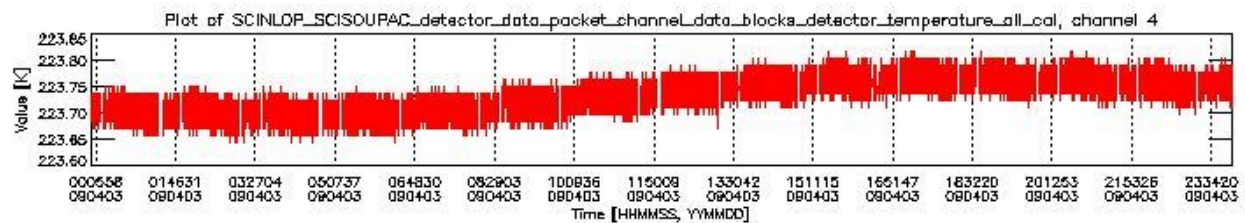
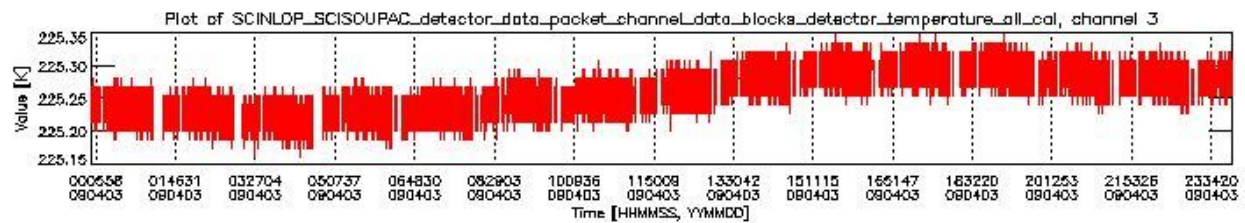
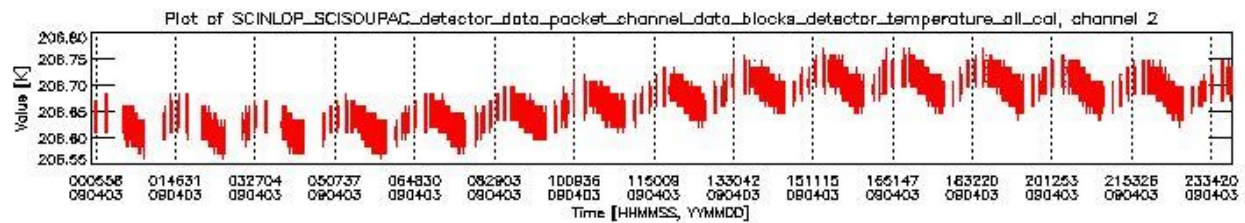
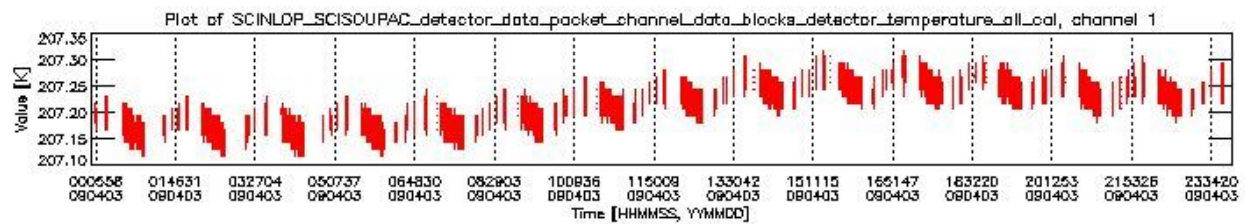
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090403_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090403_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090403_3.PNG

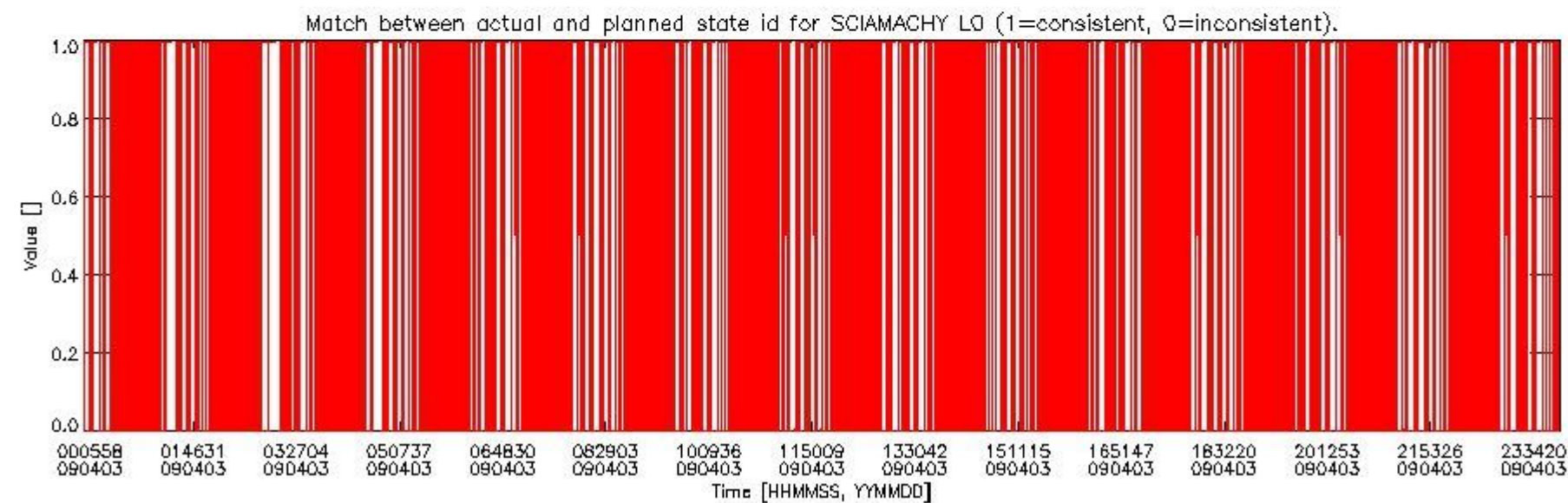
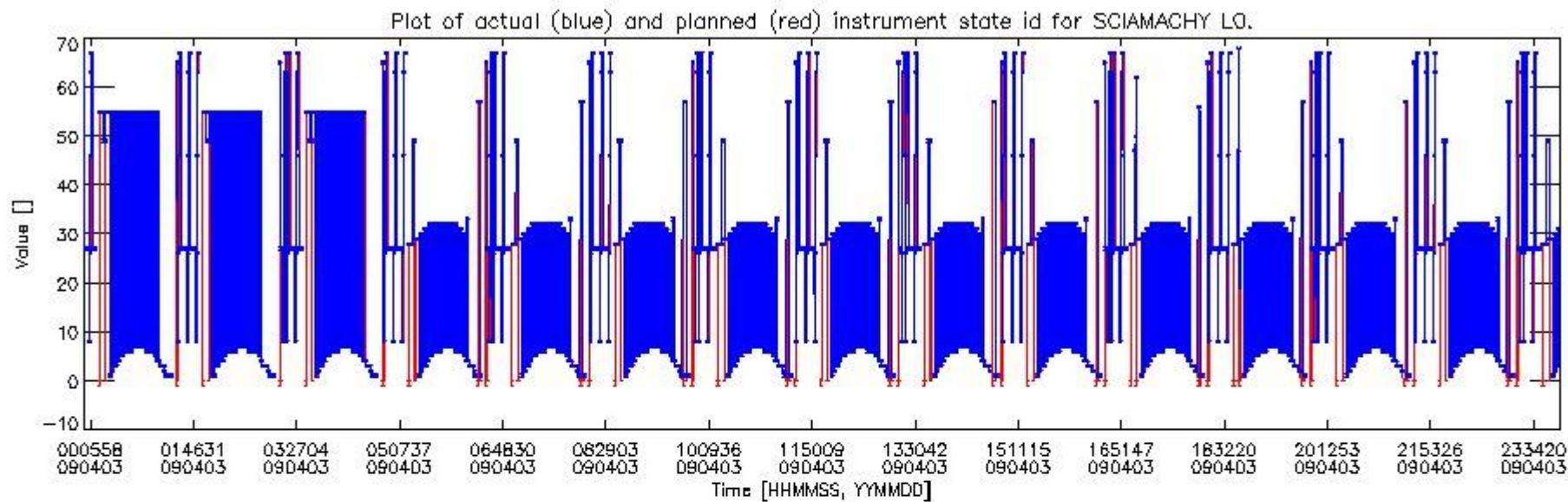


0.3 State monitoring

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: **60316**

#	Actual time	Actual value	Planned time	Planned value
0	03APR2009 00:04:35.455235	8	03APR2009 00:04:35.455235	27
1	03APR2009 00:04:36.580234	8	03APR2009 00:04:36.580234	27
2	03APR2009 00:04:37.580228	8	03APR2009 00:04:37.580228	27
3	03APR2009 00:04:38.580223	8	03APR2009 00:04:38.580223	27
4	03APR2009 00:04:39.580218	8	03APR2009 00:04:39.580218	27
5	03APR2009 00:04:40.455248	8	03APR2009 00:04:40.455248	27
6	03APR2009 00:04:40.580252	8	03APR2009 00:04:40.580252	27
7	03APR2009 00:04:41.580247	8	03APR2009 00:04:41.580247	27
8	03APR2009 00:04:42.580242	8	03APR2009 00:04:42.580242	27
9	03APR2009 00:04:43.580236	8	03APR2009 00:04:43.580236	27
10	03APR2009 00:04:44.580231	8	03APR2009 00:04:44.580231	27
11	03APR2009 00:04:45.455221	8	03APR2009 00:04:45.455221	27
12	03APR2009 00:04:45.580225	8	03APR2009 00:04:45.580225	27
13	03APR2009 00:04:46.580220	8	03APR2009 00:04:46.580220	27
14	03APR2009 00:04:47.580214	8	03APR2009 00:04:47.580214	27
15	03APR2009 00:05:19.013840	26	03APR2009 00:05:19.013840	8
16	03APR2009 00:05:19.638821	26	03APR2009 00:05:19.638821	8
17	03APR2009 00:05:20.138839	26	03APR2009 00:05:20.138839	8
18	03APR2009 00:05:20.638816	26	03APR2009 00:05:20.638816	8
19	03APR2009 00:05:21.138833	26	03APR2009 00:05:21.138833	8

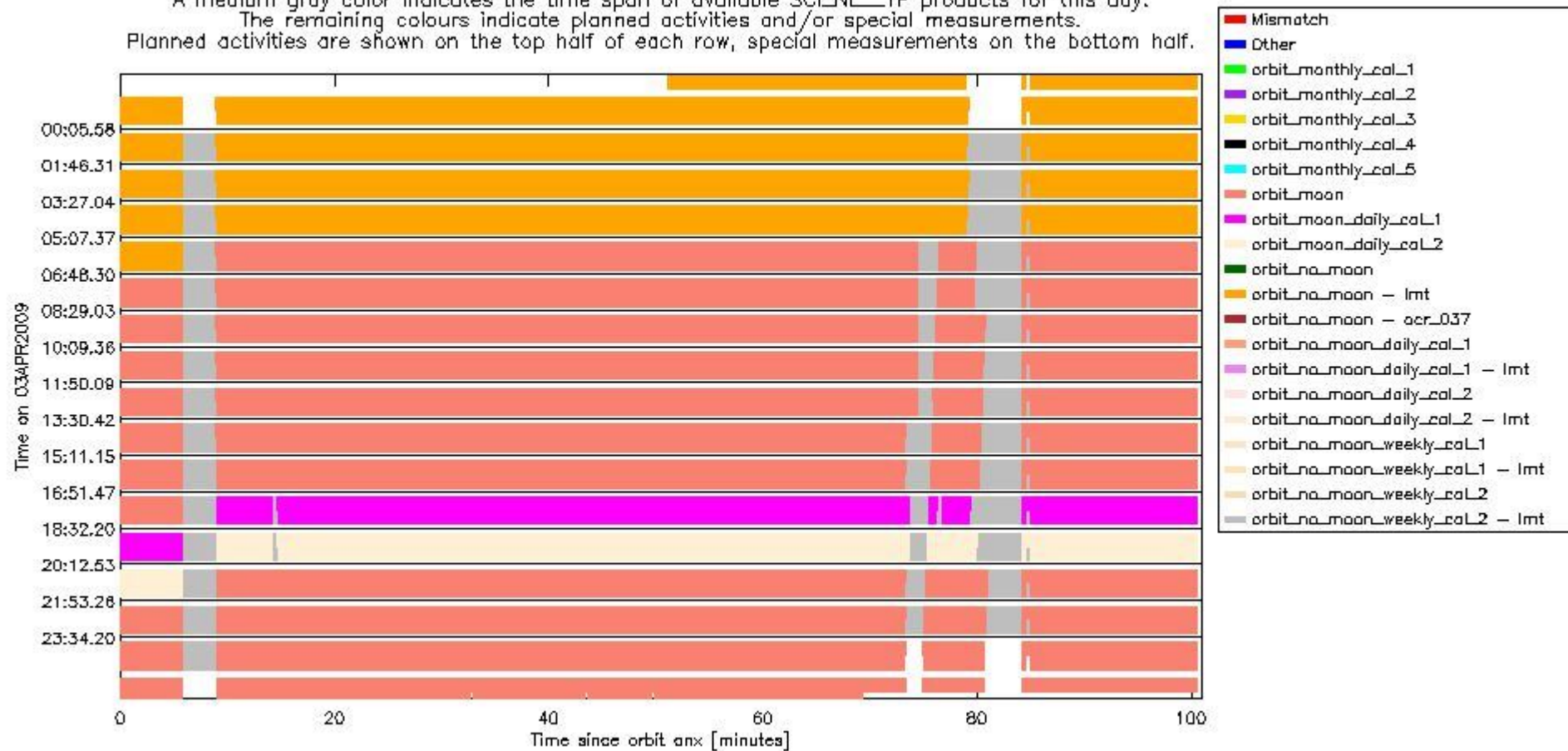


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090403_5.PNG

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 Q3APR2009.
 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_20090403_6.PNG

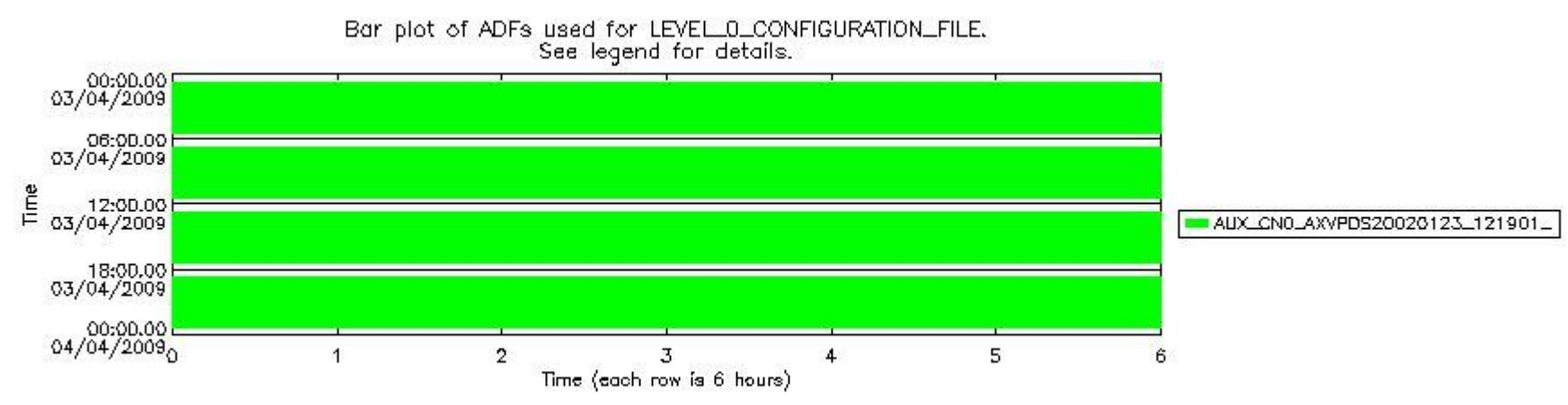
0.4 ADF monitoring

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

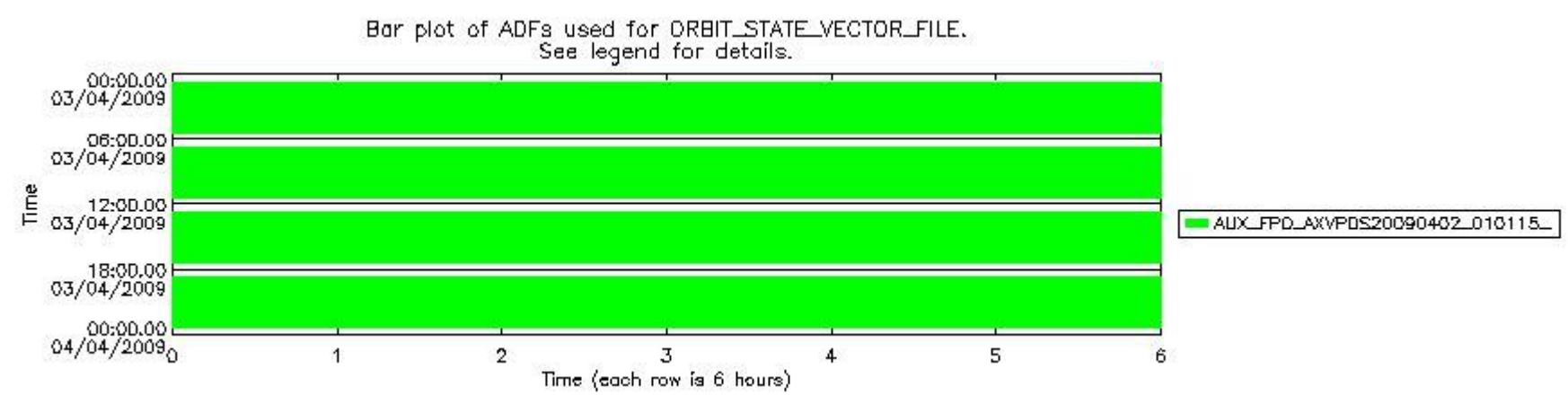
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

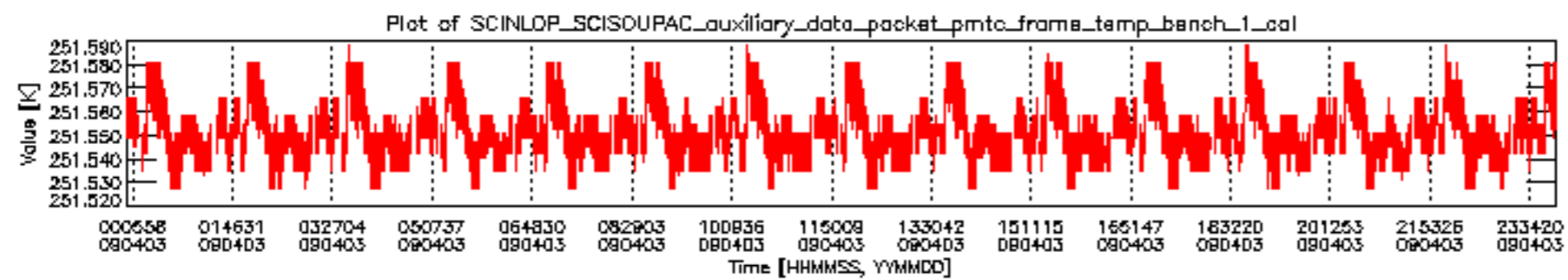
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090402_010115_20090401_193543_20090411_210154

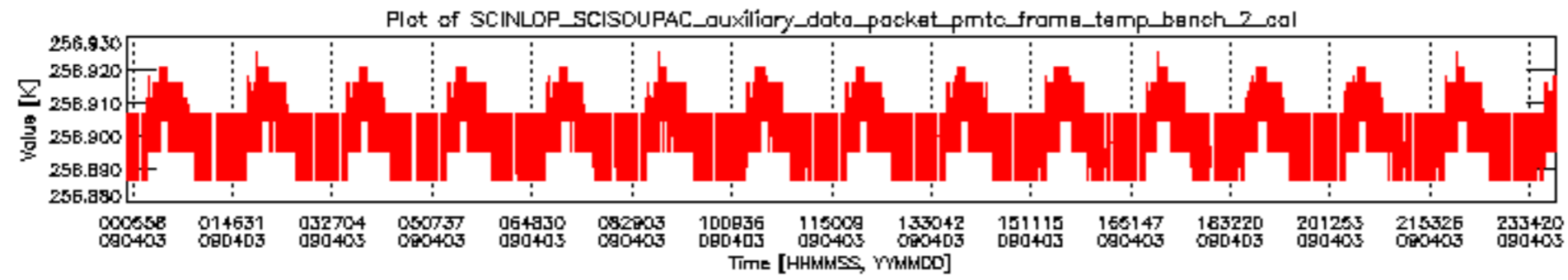


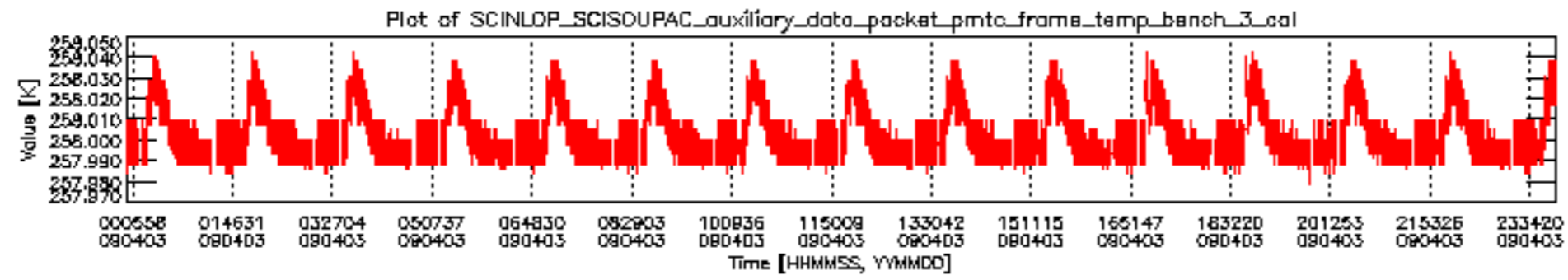
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090403_7.PNG

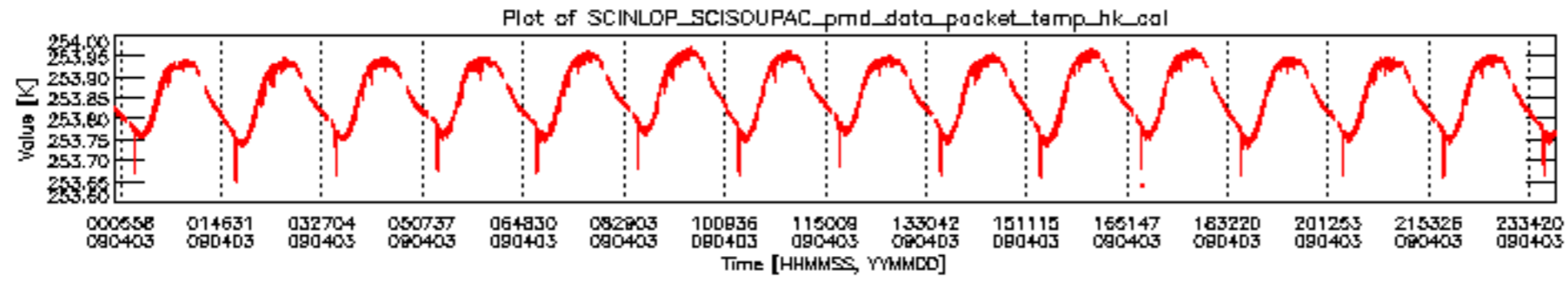


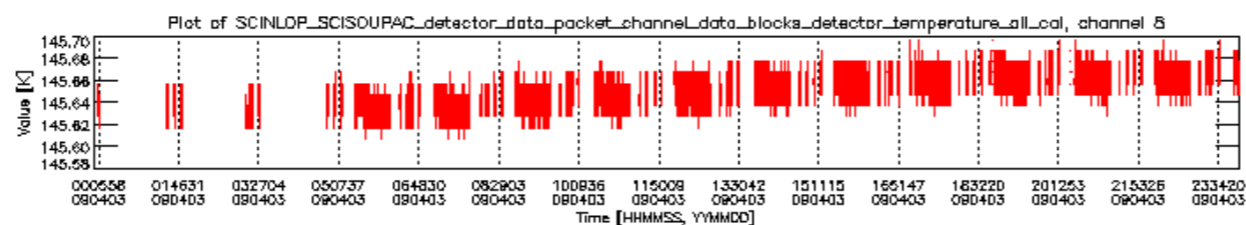
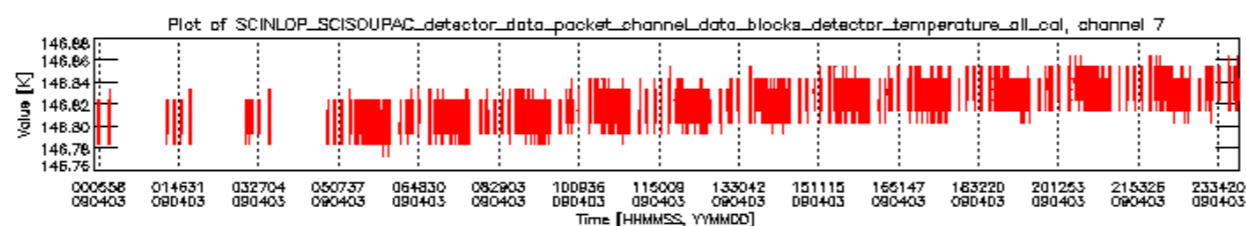
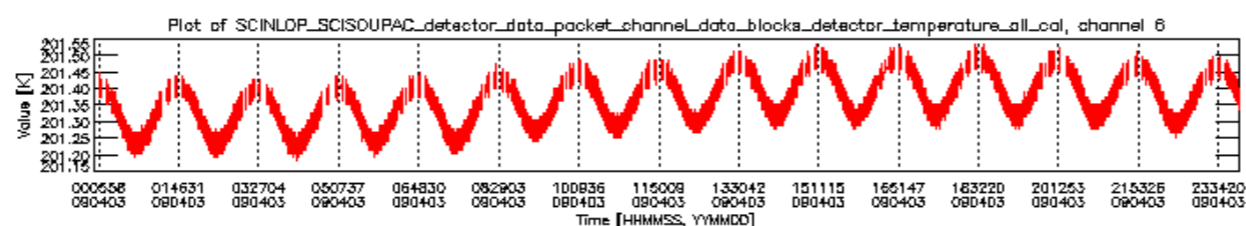
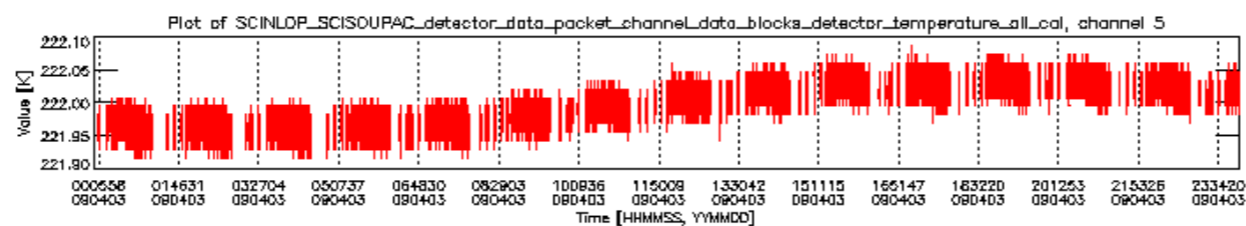
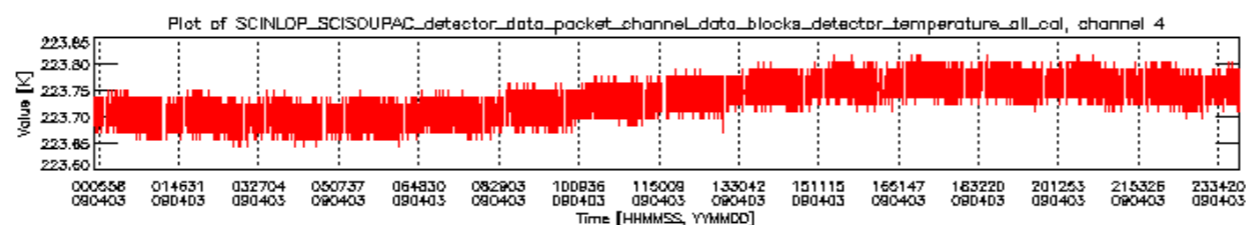
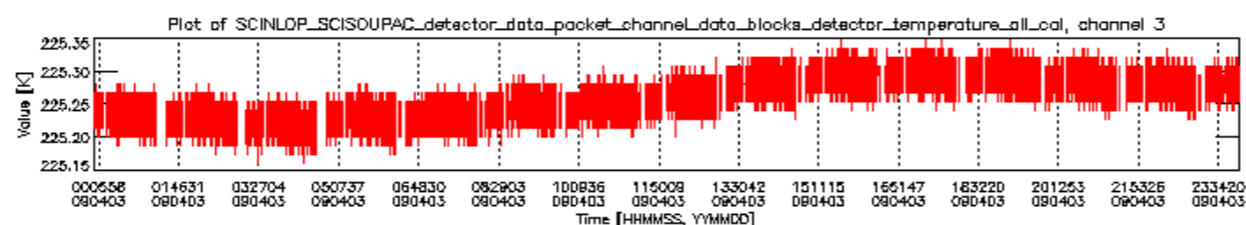
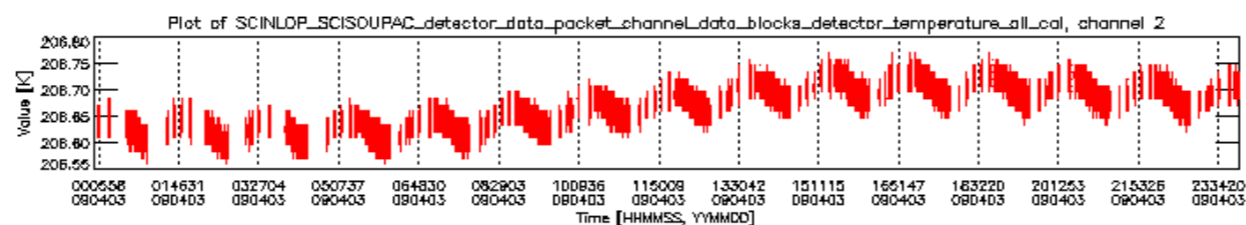
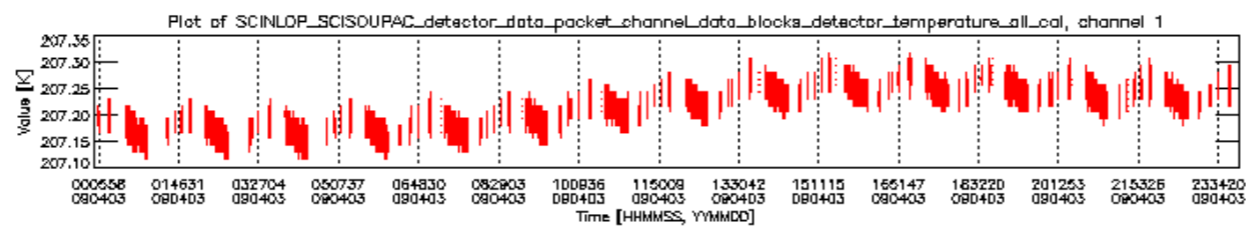
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090403_8.PNG

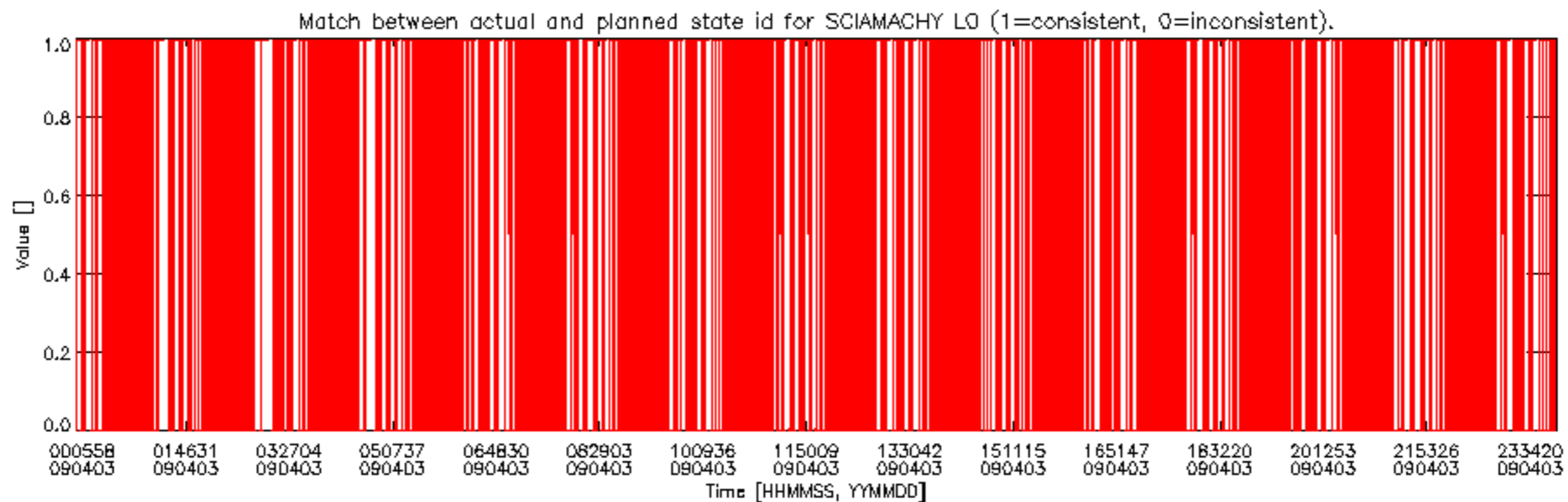
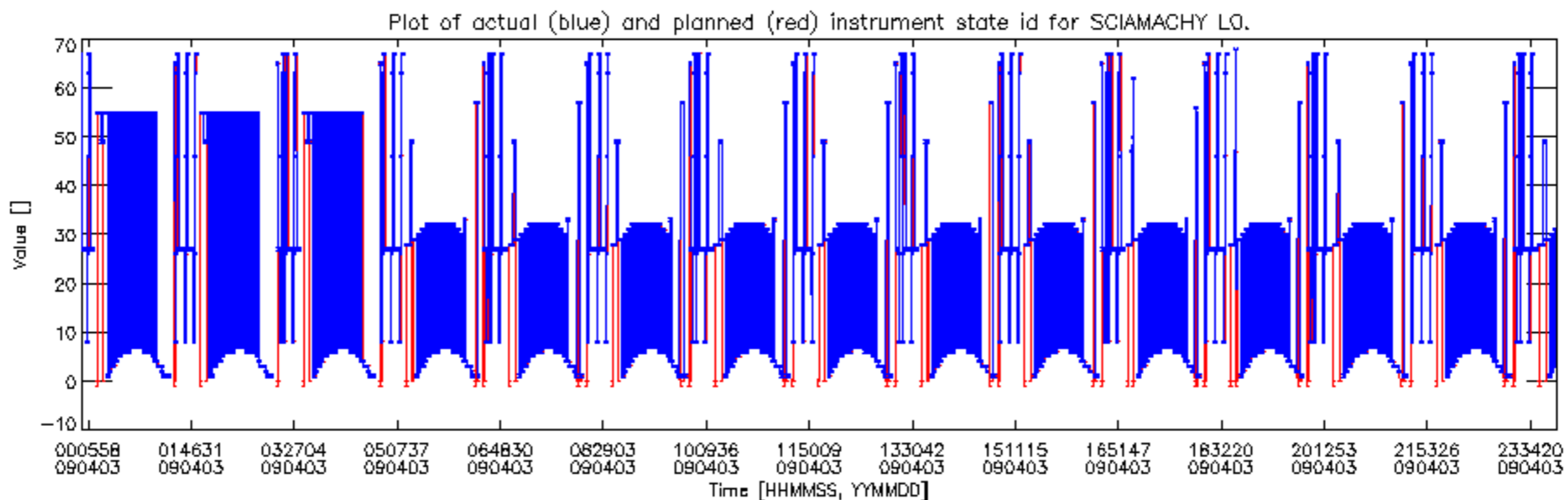












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 03APR2009.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
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