

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	07MAR2009 07:56:20
Data source version	KSPT_L0/4303-N
Processing scope for products	03MAR2009 00:00:00 to 04MAR2009 00:00:00
Start time of first product within scope	02MAR2009 23:28:04
Stop time of last product within scope	04MAR2009 00:36:54
Total number of level 0 products	16
Number of level 0 products with errors	0

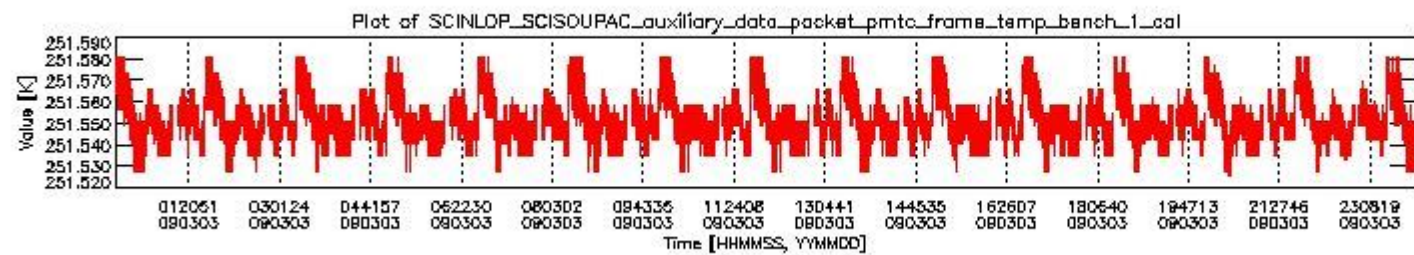
0.1.2 Summary per product

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

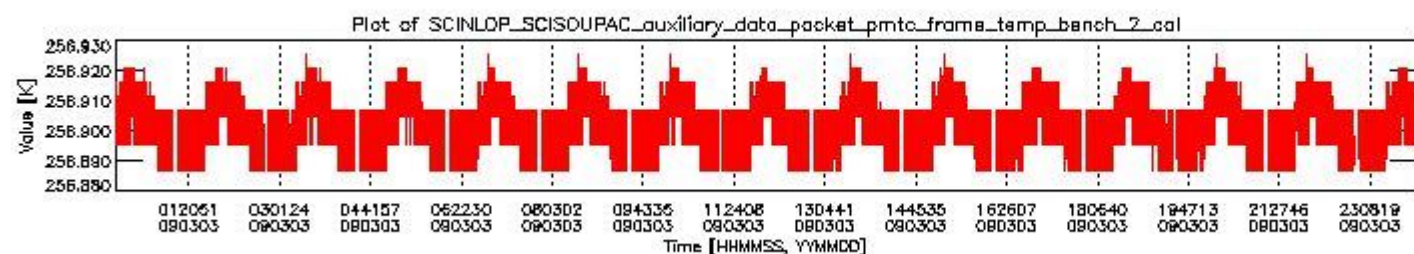
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090302_232804_000060352077_00001_36628_8599.N1	02MAR2009 23:28:04	03MAR2009 01:08:39	0	0	0	0	0
1	SCI_NL__OPNPDE20090303_010839_000046052077_00002_36629_8600.N1	03MAR2009 01:08:39	03MAR2009 02:25:25	0	0	0	0	0
2	SCI_NL__OPNPDE20090303_022525_000057872077_00003_36630_8601.N1	03MAR2009 02:25:25	03MAR2009 04:01:51	0	0	0	0	0
3	SCI_NL__OPNPDE20090303_040043_000061732077_00004_36631_8602.N1	03MAR2009 04:00:43	03MAR2009 05:43:35	0	0	0	0	0
4	SCI_NL__OPNPDE20090303_054227_000061602077_00005_36632_8603.N1	03MAR2009 05:42:27	03MAR2009 07:25:07	0	0	0	0	0
5	SCI_NL__OPNPDK20090303_072358_000039892077_00006_36633_0866.N1	03MAR2009 07:23:58	03MAR2009 08:30:27	0	0	0	0	0
6	SCI_NL__OPNPDK20090303_082822_000062842077_00007_36634_0867.N1	03MAR2009 08:28:22	03MAR2009 10:13:07	0	0	0	0	0
7	SCI_NL__OPNPDK20090303_101158_000059242077_00008_36635_0868.N1	03MAR2009 10:11:58	03MAR2009 11:50:42	0	0	0	0	0
8	SCI_NL__OPNPDK20090303_114837_000060912077_00009_36636_0869.N1	03MAR2009 11:48:37	03MAR2009 13:30:09	0	0	0	0	0
9	SCI_NL__OPNPDK20090303_132900_000059242077_00010_36637_0870.N1	03MAR2009 13:29:00	03MAR2009 15:07:44	0	0	0	0	0
10	SCI_NL__OPNPDK20090303_150539_000060362077_00011_36638_0871.N1	03MAR2009 15:05:39	03MAR2009 16:46:15	0	0	0	0	0
11	SCI_NL__OPNPDK20090303_164519_000058422077_00012_36639_0872.N1	03MAR2009 16:45:19	03MAR2009 18:22:41	0	0	0	0	0
12	SCI_NL__OPNPDK20090303_182241_000060352077_00013_36640_0873.N1	03MAR2009 18:22:41	03MAR2009 20:03:16	0	0	0	0	0
13	SCI_NL__OPNPDE20090303_200219_000039932077_00014_36641_8604.N1	03MAR2009 20:02:19	03MAR2009 21:08:52	0	0	0	0	0
14	SCI_NL__OPNPDE20090303_211544_000060352077_00014_36641_8605.N1	03MAR2009 21:15:44	03MAR2009 22:56:19	0	0	0	0	0
15	SCI_NL__OPNPDE20090303_225619_000060352077_00015_36642_8606.N1	03MAR2009 22:56:19	04MAR2009 00:36:54	0	0	0	0	0

0.2 Product Quality Indicators

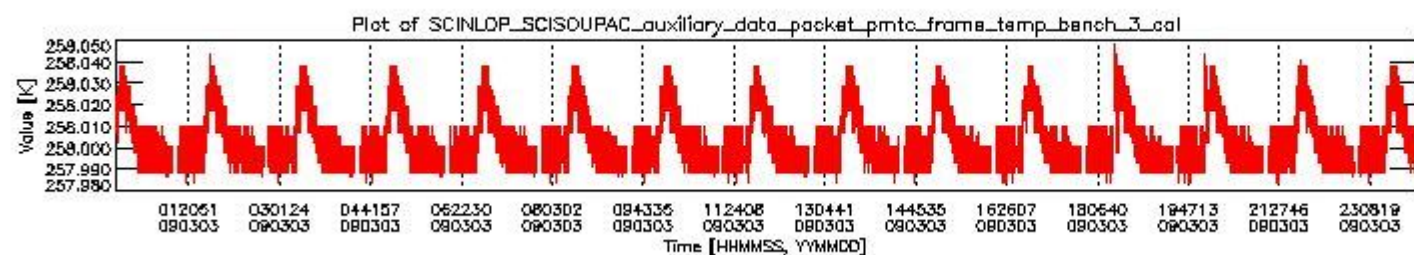
This section shows information about product quality, currently temperatures.



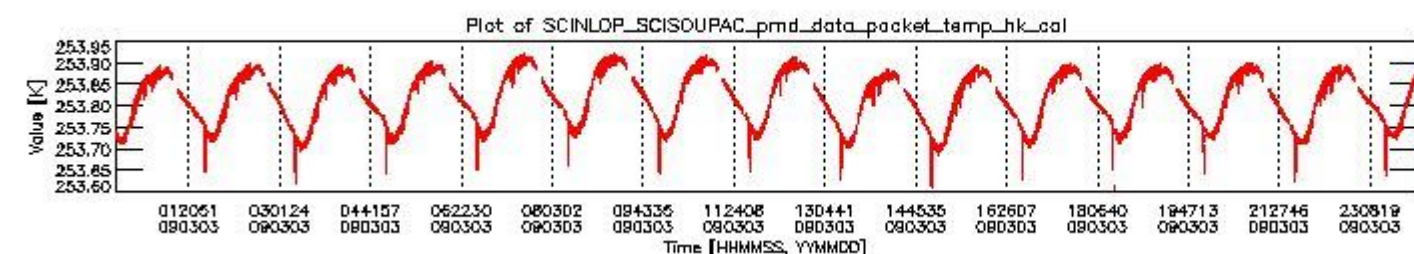
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090303_0.PNG



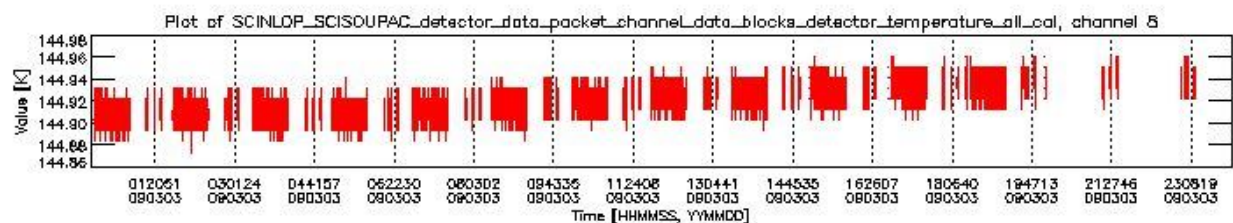
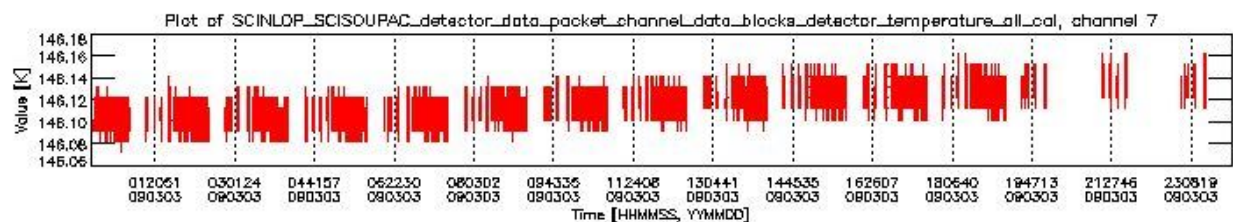
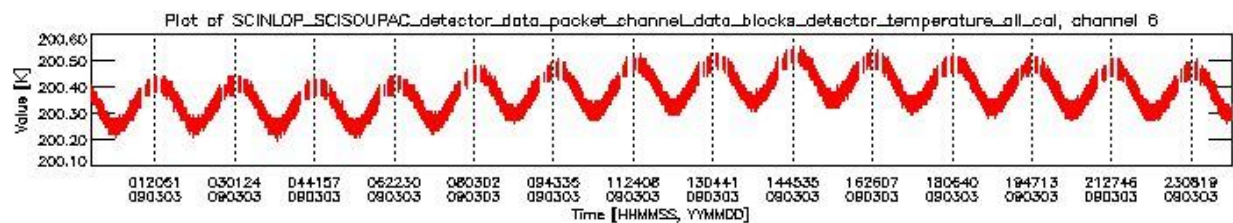
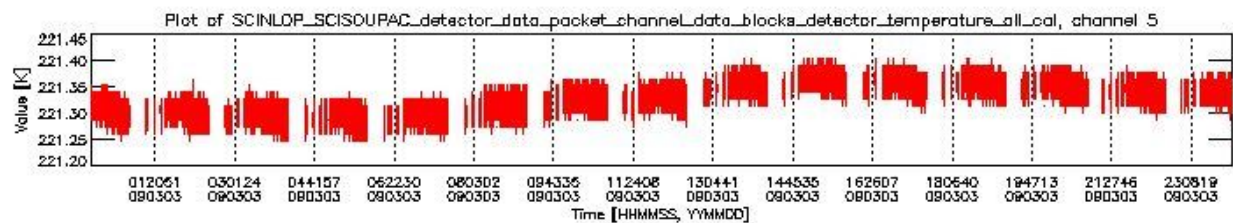
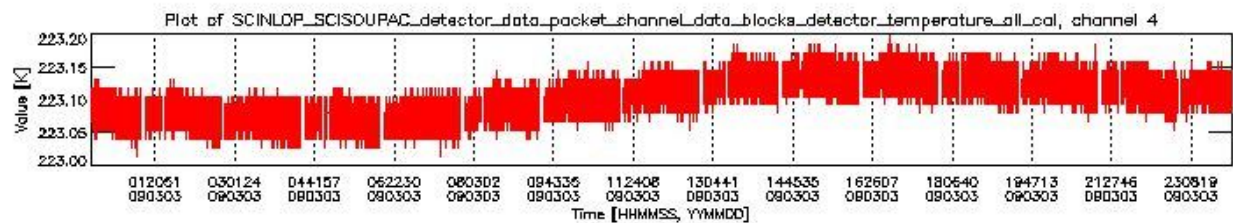
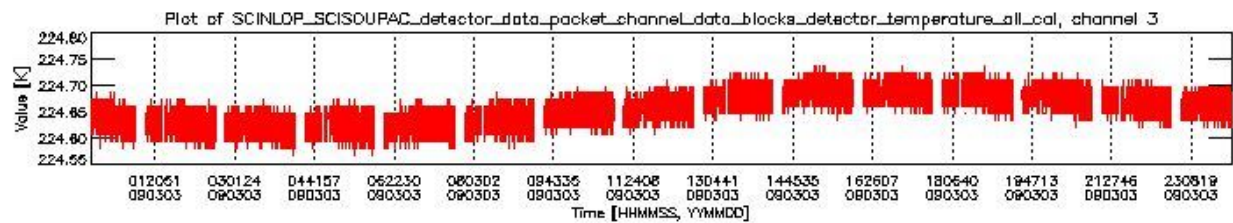
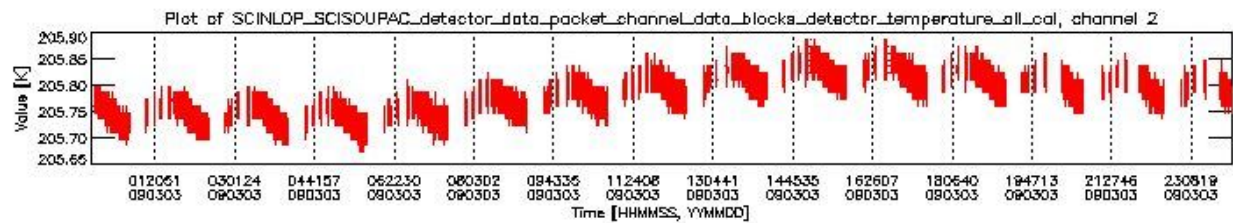
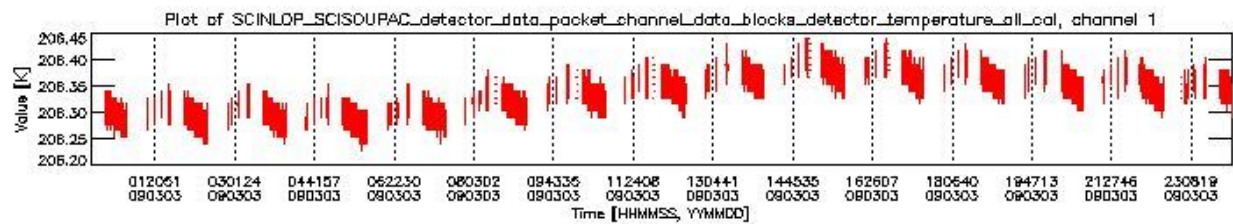
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090303_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090303_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090303_3.PNG

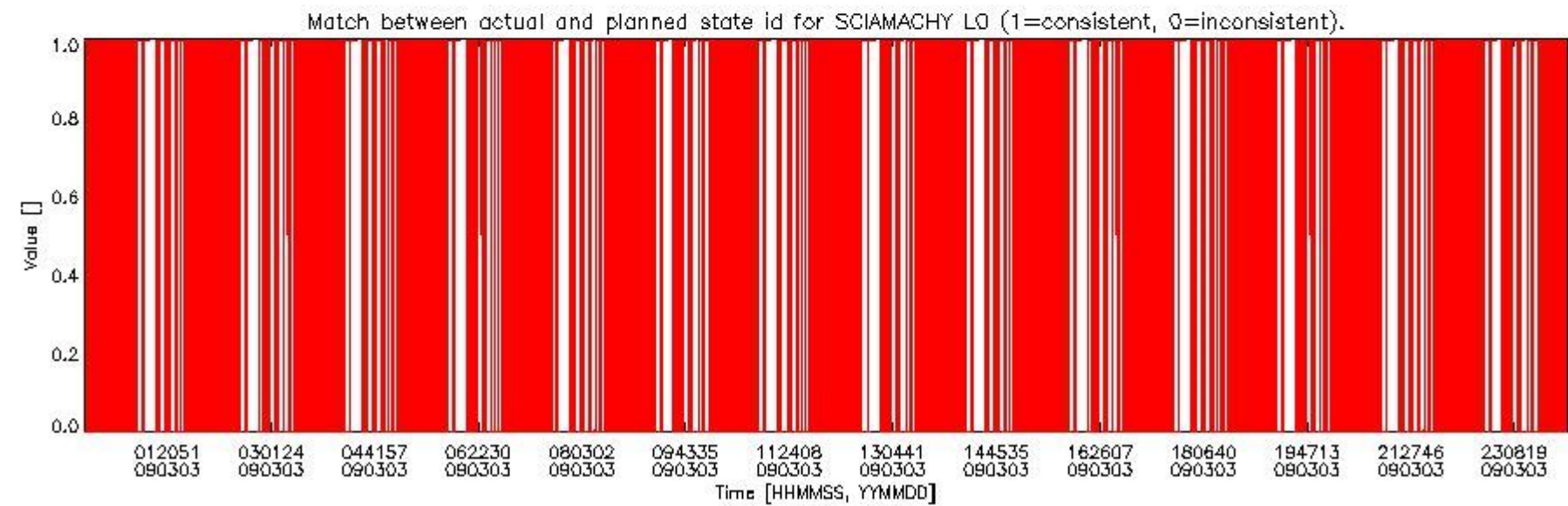
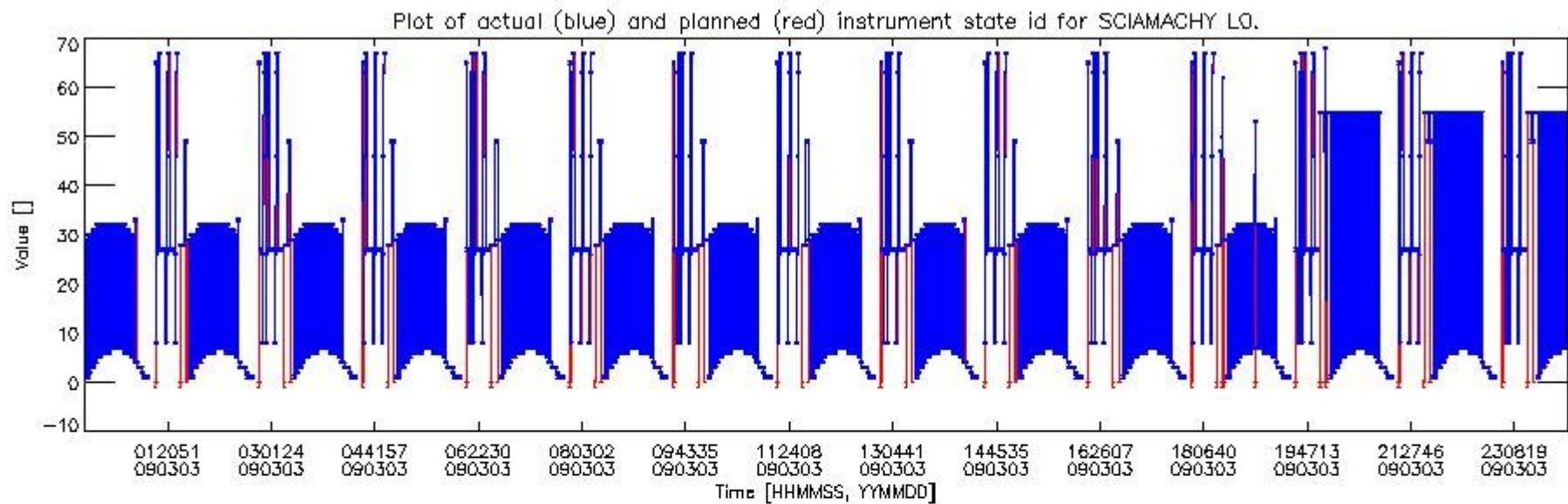


0.3 State monitoring

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: **46683**

#	Actual time	Actual value	Planned time	Planned value
0	03MAR2009 00:02:12.600971	1	03MAR2009 00:02:12.600971	29
1	03MAR2009 00:02:12.850979	1	03MAR2009 00:02:12.850979	29
2	03MAR2009 00:02:12.975984	1	03MAR2009 00:02:12.975984	29
3	03MAR2009 00:02:13.100948	1	03MAR2009 00:02:13.100948	29
4	03MAR2009 00:02:13.225952	1	03MAR2009 00:02:13.225952	29
5	03MAR2009 00:02:13.350956	1	03MAR2009 00:02:13.350956	29
6	03MAR2009 00:02:13.475961	1	03MAR2009 00:02:13.475961	29
7	03MAR2009 00:02:13.600965	1	03MAR2009 00:02:13.600965	29
8	03MAR2009 00:02:13.725969	1	03MAR2009 00:02:13.725969	29
9	03MAR2009 00:02:13.850974	1	03MAR2009 00:02:13.850974	29
10	03MAR2009 00:02:13.975978	1	03MAR2009 00:02:13.975978	29
11	03MAR2009 00:02:14.100983	1	03MAR2009 00:02:14.100983	29
12	03MAR2009 00:02:14.225947	1	03MAR2009 00:02:14.225947	29
13	03MAR2009 00:02:14.350951	1	03MAR2009 00:02:14.350951	29
14	03MAR2009 00:02:14.475955	1	03MAR2009 00:02:14.475955	29
15	03MAR2009 00:02:14.600960	1	03MAR2009 00:02:14.600960	29
16	03MAR2009 00:02:14.725964	1	03MAR2009 00:02:14.725964	29
17	03MAR2009 00:02:14.850968	1	03MAR2009 00:02:14.850968	29
18	03MAR2009 00:02:14.975973	1	03MAR2009 00:02:14.975973	29
19	03MAR2009 00:02:15.100977	1	03MAR2009 00:02:15.100977	29
...

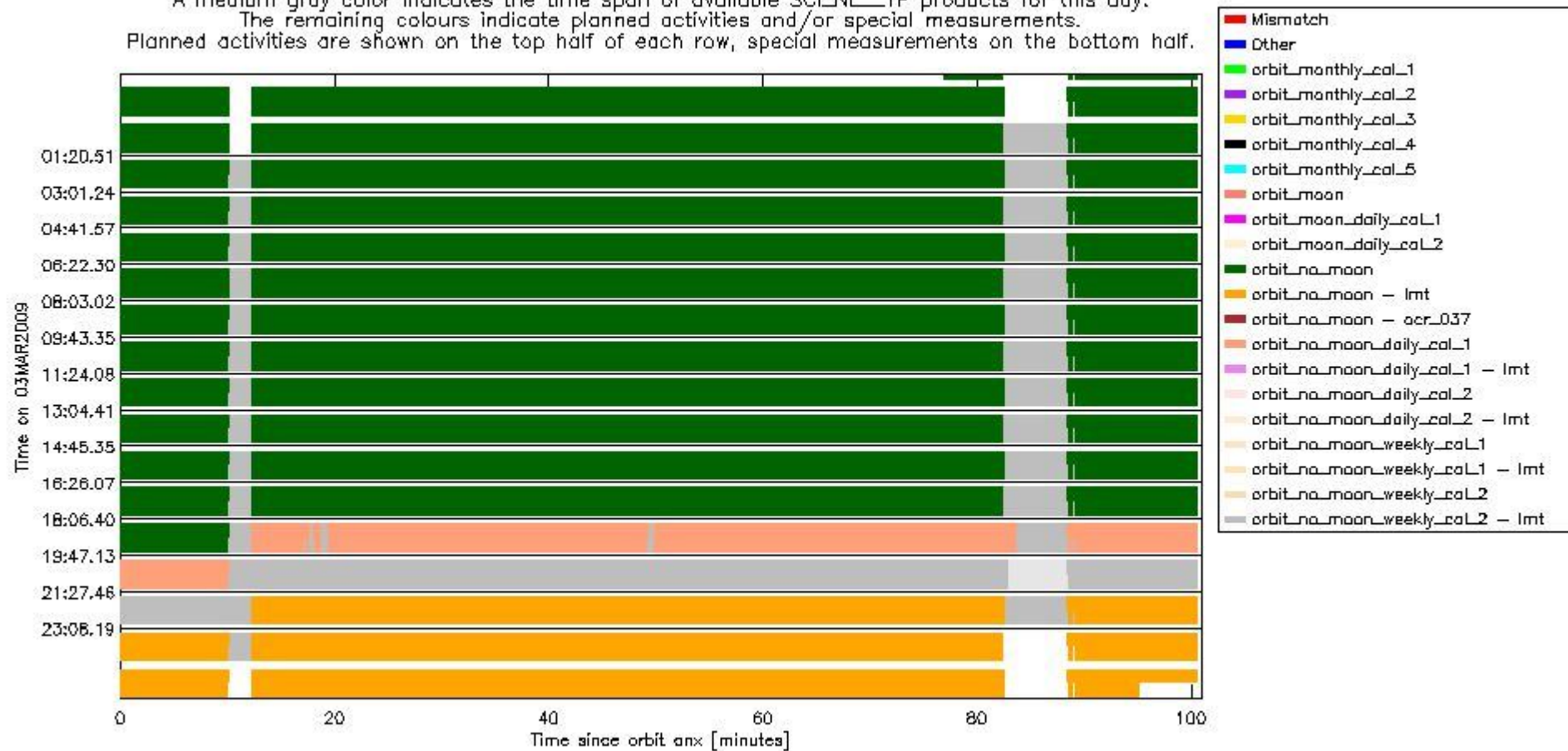


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090303_5.PNG

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 03MAR2009.
 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_20090303_6.PNG

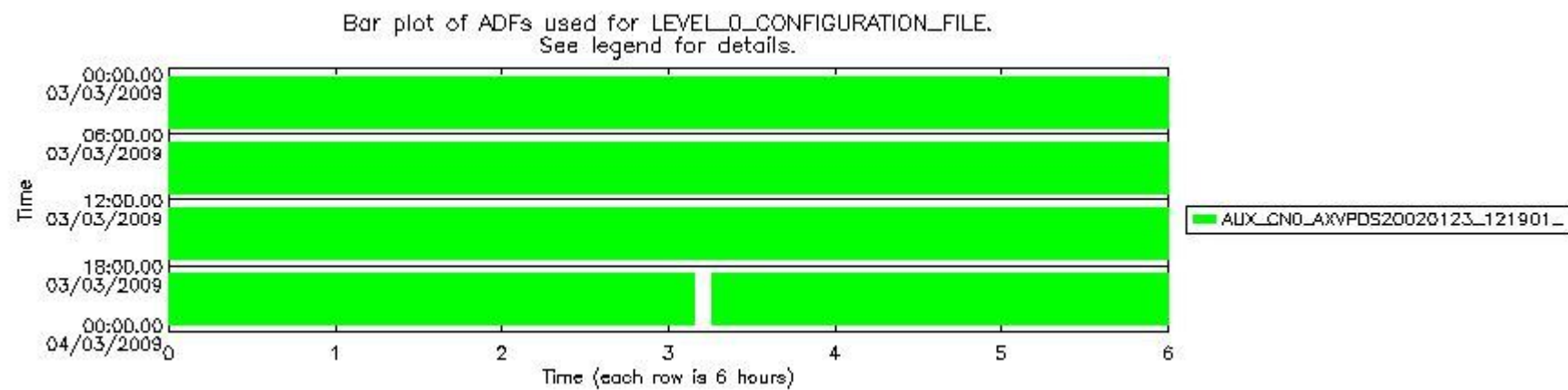
0.4 ADF monitoring

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

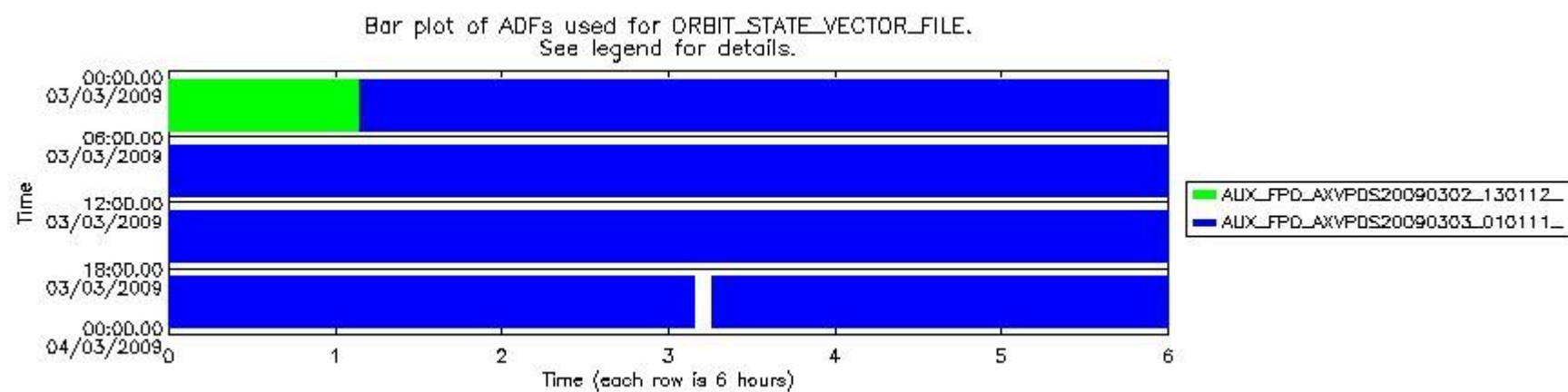
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

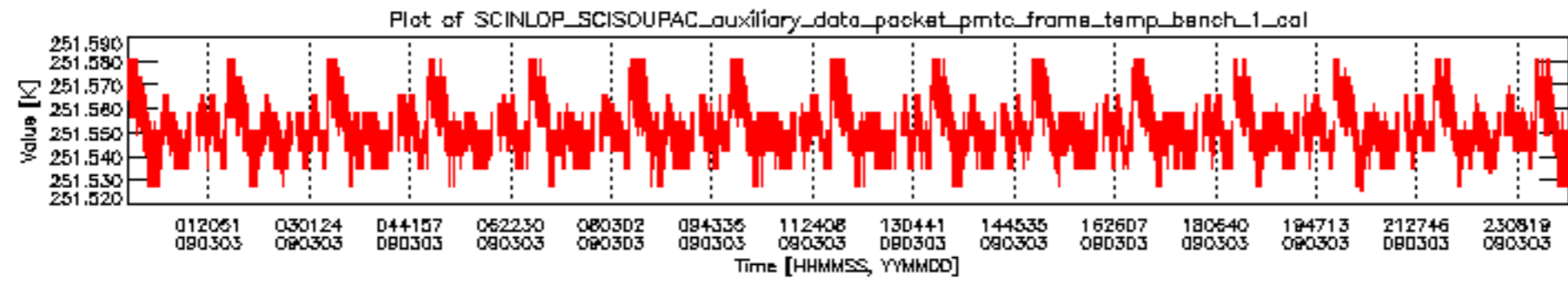
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090302_130112_20090301_190953_20090311_203607
2	AUX_FPO_AXVPDS20090303_010111_20090302_183816_20090312_200430

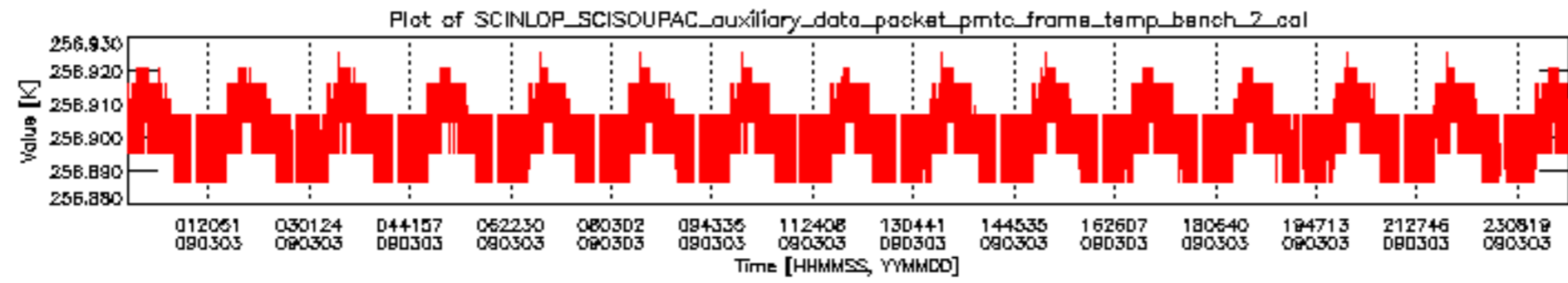


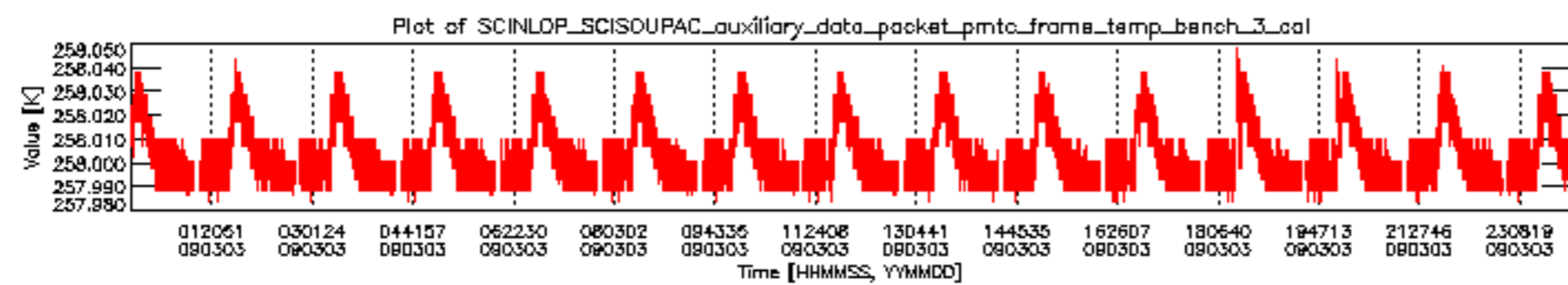
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090303_7.PNG

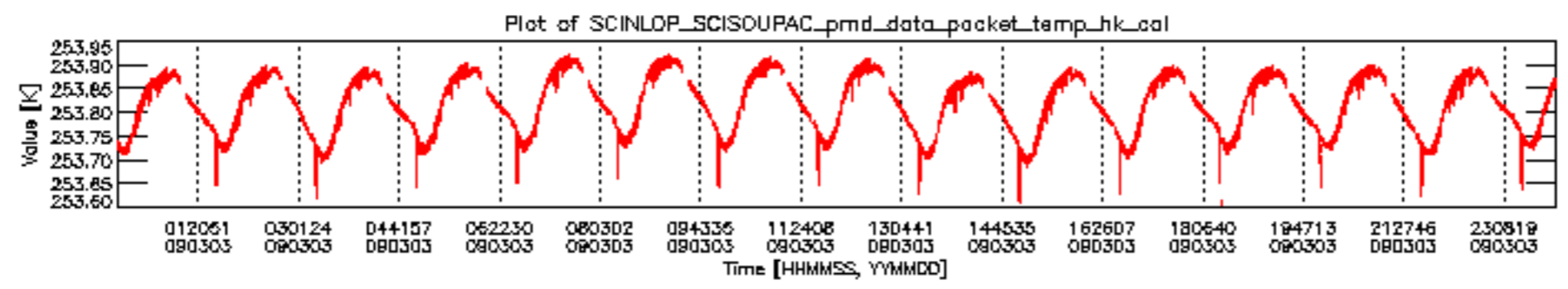


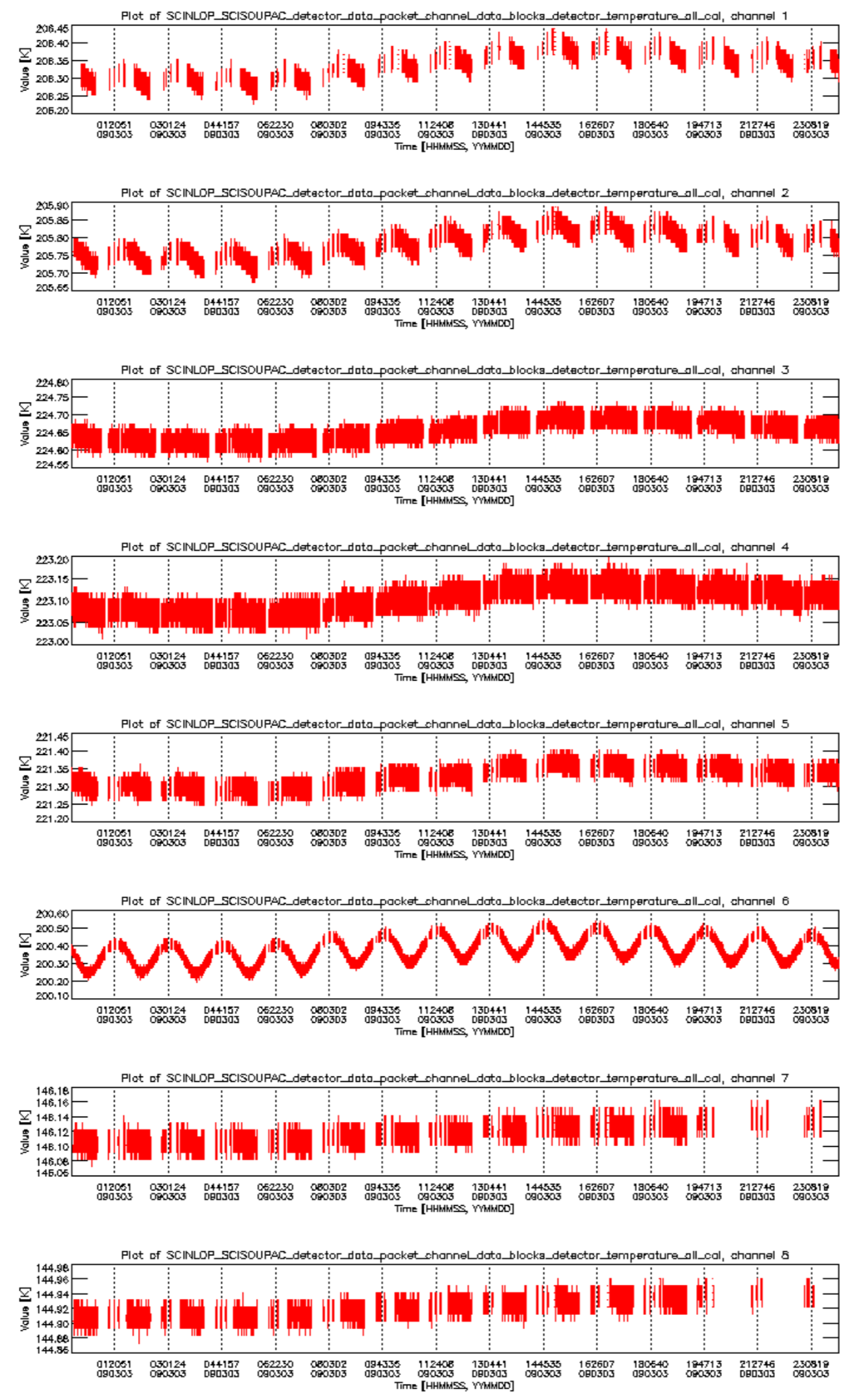
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090303_8.PNG

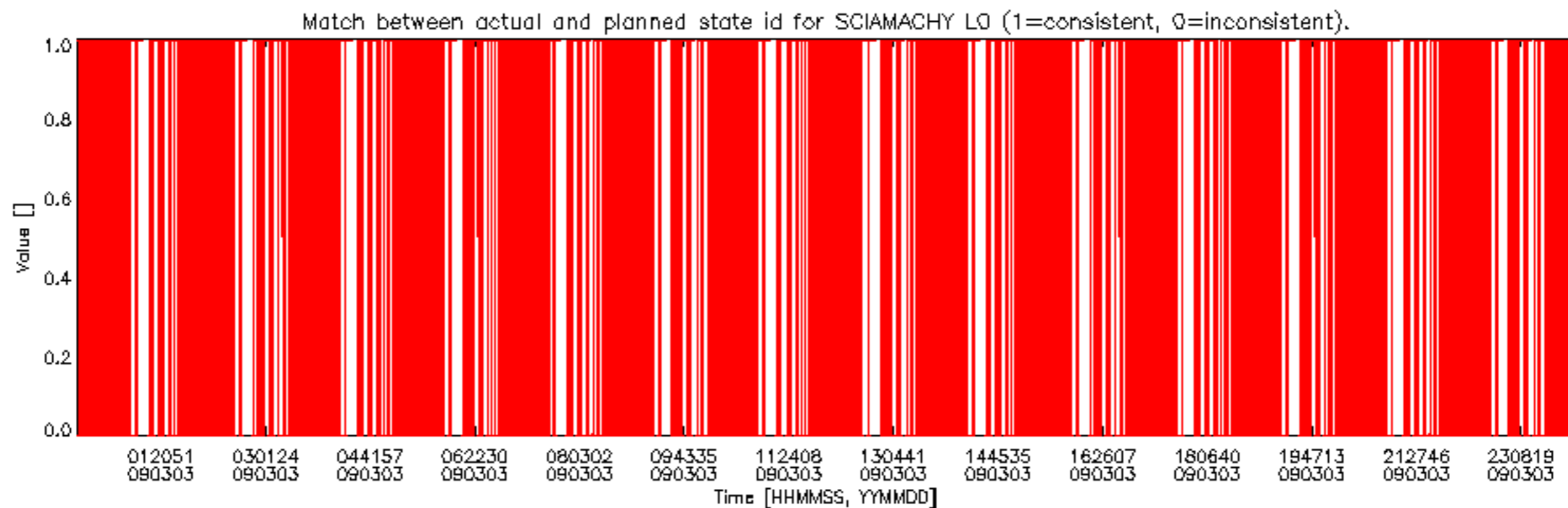
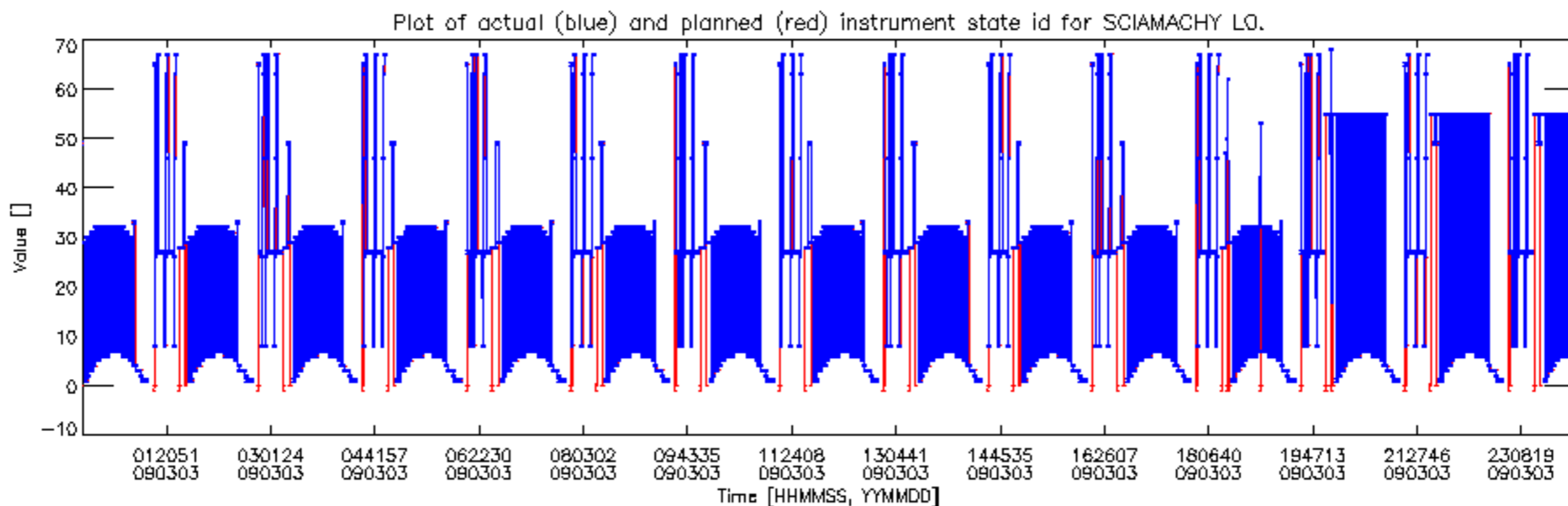












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 03MAR2009.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

