

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	28MAR2008 09:39:36
Data source version	KSPT_L0/4303-N
Processing scope for products	22MAR2008 00:00:00 to 23MAR2008 00:00:00
Start time of first product within scope	21MAR2008 23:36:19
Stop time of last product within scope	23MAR2008 00:50:28
Total number of level 0 products	15
Number of level 0 products with errors	6

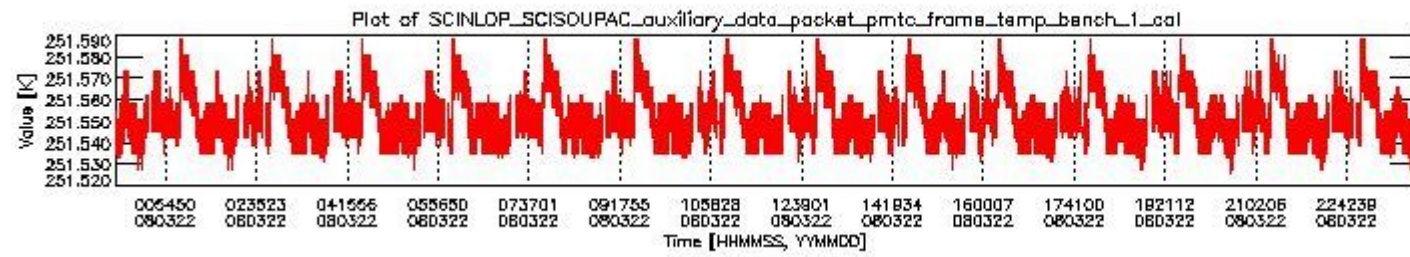
0.1.2 Summary per product

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

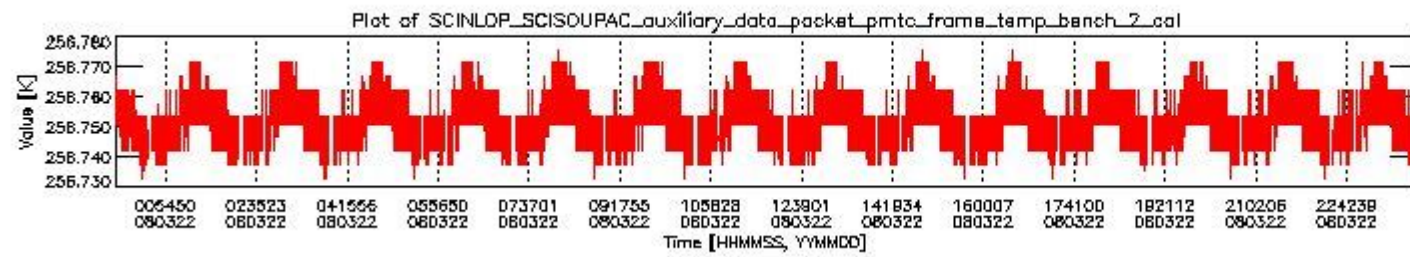
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080321_233619_000063532067_00059_31676_6290.N1	21MAR2008 23:36:19	22MAR2008 01:22:11	1	0	1	0	0
1	SCI_NL__OPNPDE20080322_011803_000063402067_00060_31677_6291.N1	22MAR2008 01:18:03	22MAR2008 03:03:43	1	0	1	0	0
2	SCI_NL__OPNPDE20080322_030042_000063532067_00061_31678_6292.N1	22MAR2008 03:00:42	22MAR2008 04:46:35	1	0	1	0	0
3	SCI_NL__OPNPDE20080322_044227_000063962067_00062_31679_6293.N1	22MAR2008 04:42:27	22MAR2008 06:29:03	1	0	1	0	0
4	SCI_NL__OPNPDK20080322_062358_000062282067_00063_31680_7725.N1	22MAR2008 06:23:58	22MAR2008 08:07:46	0	0	0	0	0
5	SCI_NL__OPNPDK20080322_080746_000059672067_00064_31681_7726.N1	22MAR2008 08:07:46	22MAR2008 09:47:13	0	0	0	0	0
6	SCI_NL__OPNPDK20080322_094605_000060482067_00065_31682_7727.N1	22MAR2008 09:46:05	22MAR2008 11:26:53	0	0	0	0	0
7	SCI_NL__OPNPDK20080322_112544_000059672067_00066_31683_7728.N1	22MAR2008 11:25:44	22MAR2008 13:05:11	0	0	0	0	0
8	SCI_NL__OPNPDK20080322_130415_000059802067_00067_31684_7729.N1	22MAR2008 13:04:15	22MAR2008 14:43:55	0	0	0	0	0
9	SCI_NL__OPNPDK20080322_144246_000057872067_00068_31685_7730.N1	22MAR2008 14:42:46	22MAR2008 16:19:13	0	0	0	0	0
10	SCI_NL__OPNPDK20080322_161721_000061152067_00069_31686_7731.N1	22MAR2008 16:17:21	22MAR2008 17:59:16	0	0	0	0	0
11	SCI_NL__OPNPDK20080322_175820_000059802067_00070_31687_7732.N1	22MAR2008 17:58:20	22MAR2008 19:38:00	0	0	0	0	0
12	SCI_NL__OPNPDK20080322_193719_000061082067_00071_31688_7733.N1	22MAR2008 19:37:19	22MAR2008 21:19:08	0	0	0	0	0
13	SCI_NL__OPNPDE20080322_211554_000068392067_00072_31689_6294.N1	22MAR2008 21:15:54	22MAR2008 23:09:53	1	0	1	0	0
14	SCI_NL__OPNPDE20080322_230435_000063532067_00073_31690_6295.N1	22MAR2008 23:04:35	23MAR2008 00:50:28	1	0	1	0	0

0.2 Product Quality Indicators

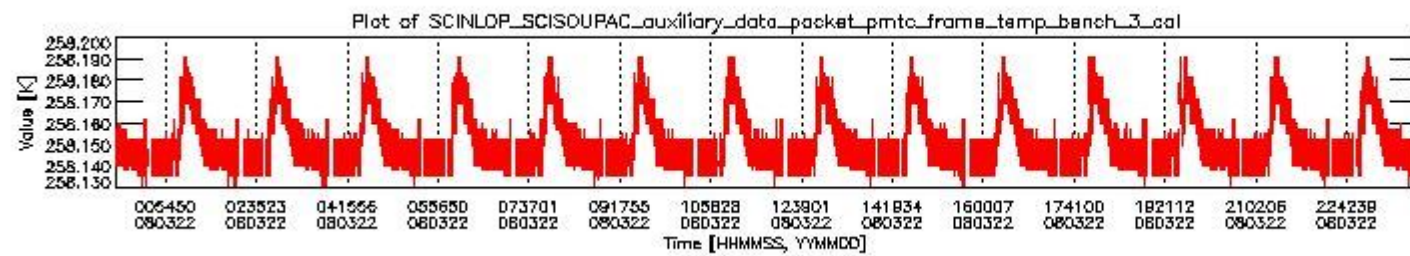
This section shows information about product quality, currently temperatures.



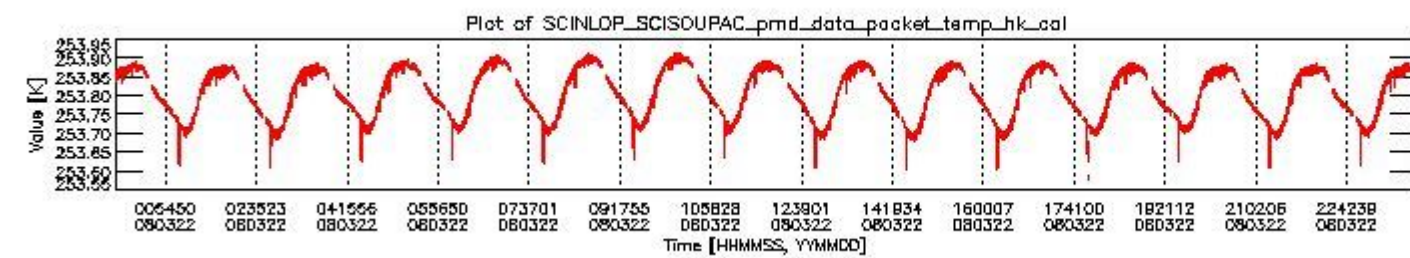
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080322_0.PNG



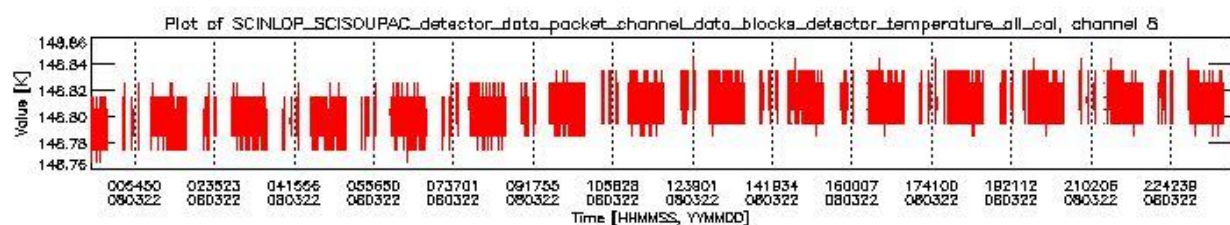
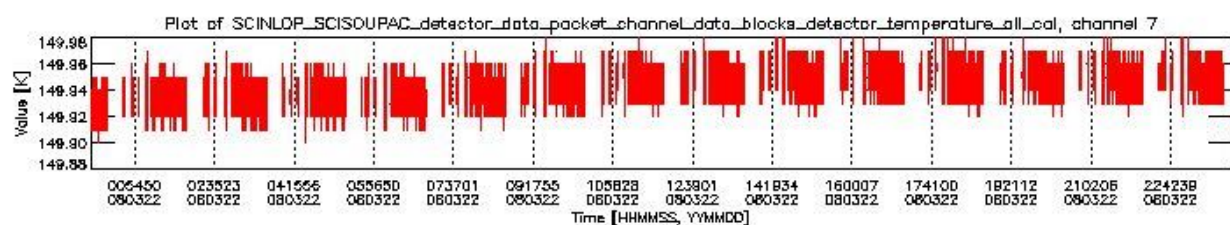
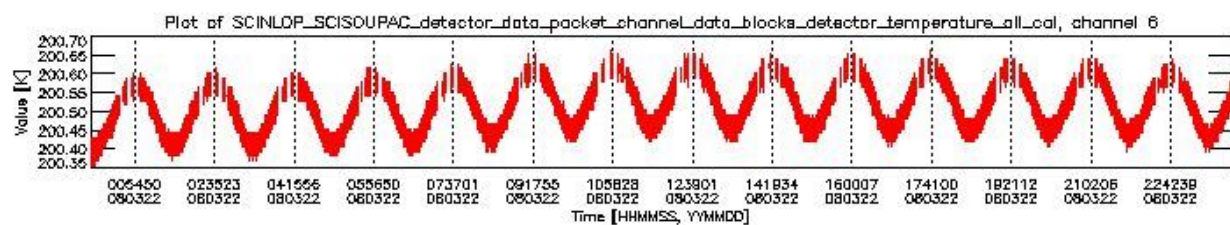
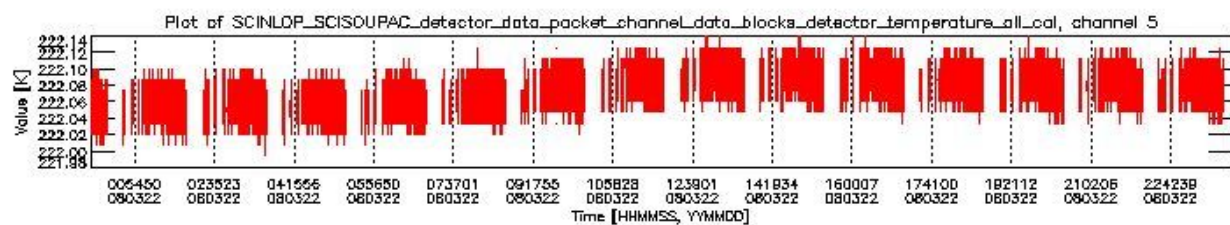
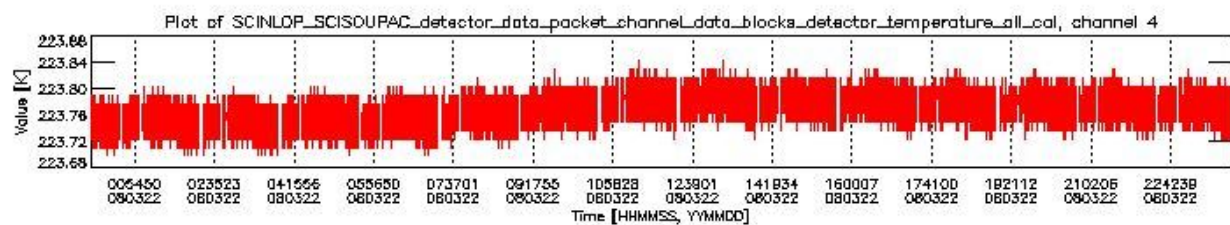
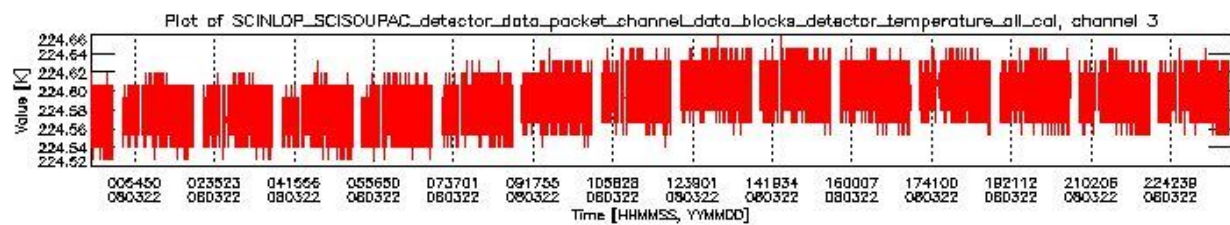
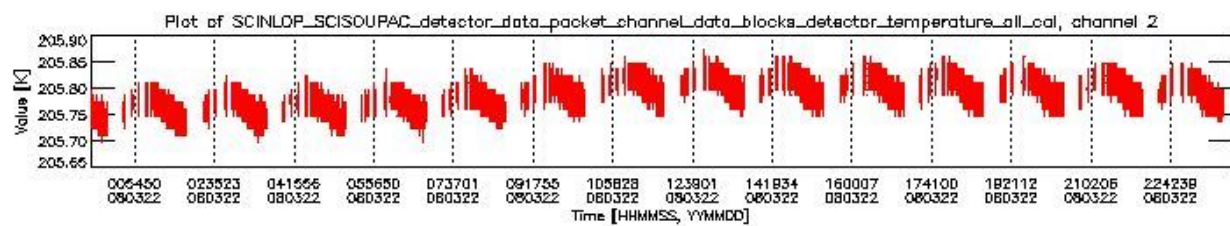
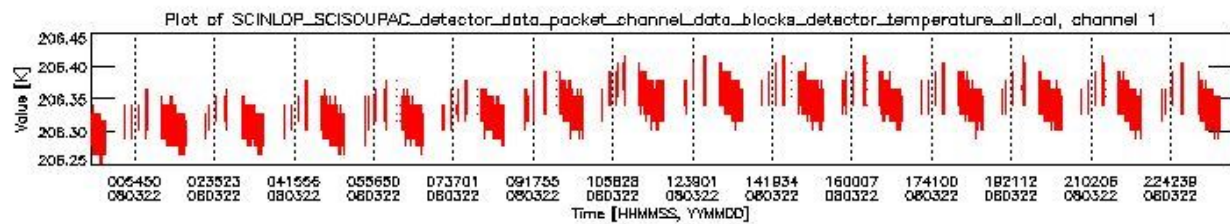
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080322_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080322_3.PNG

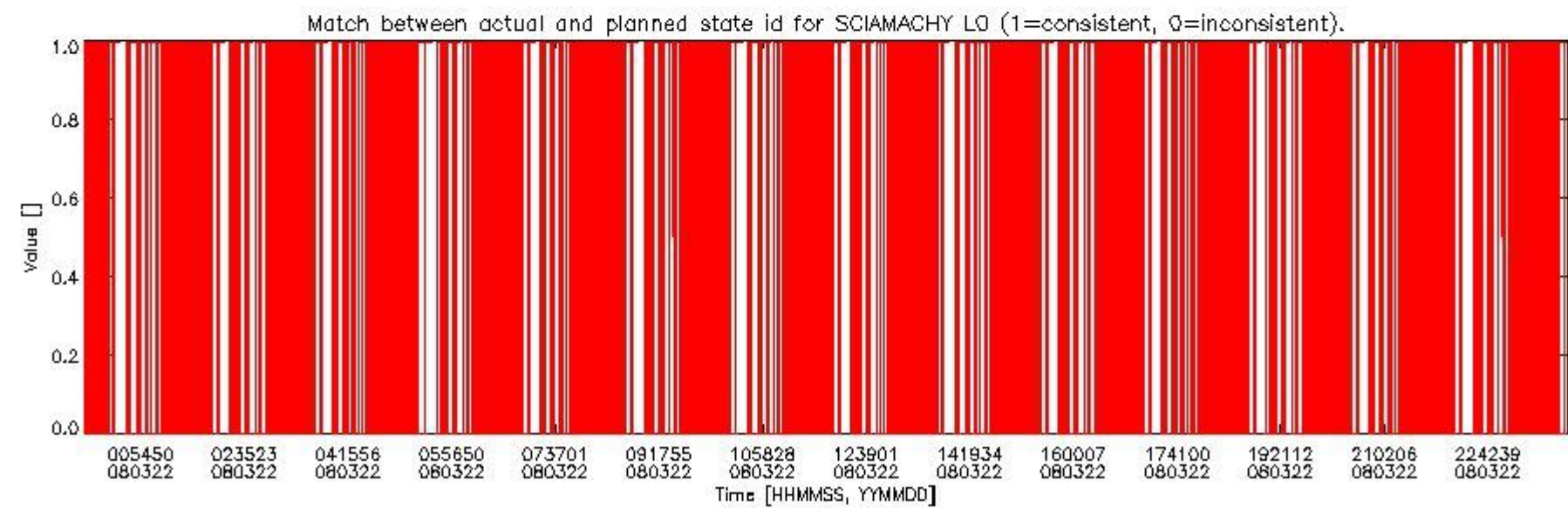
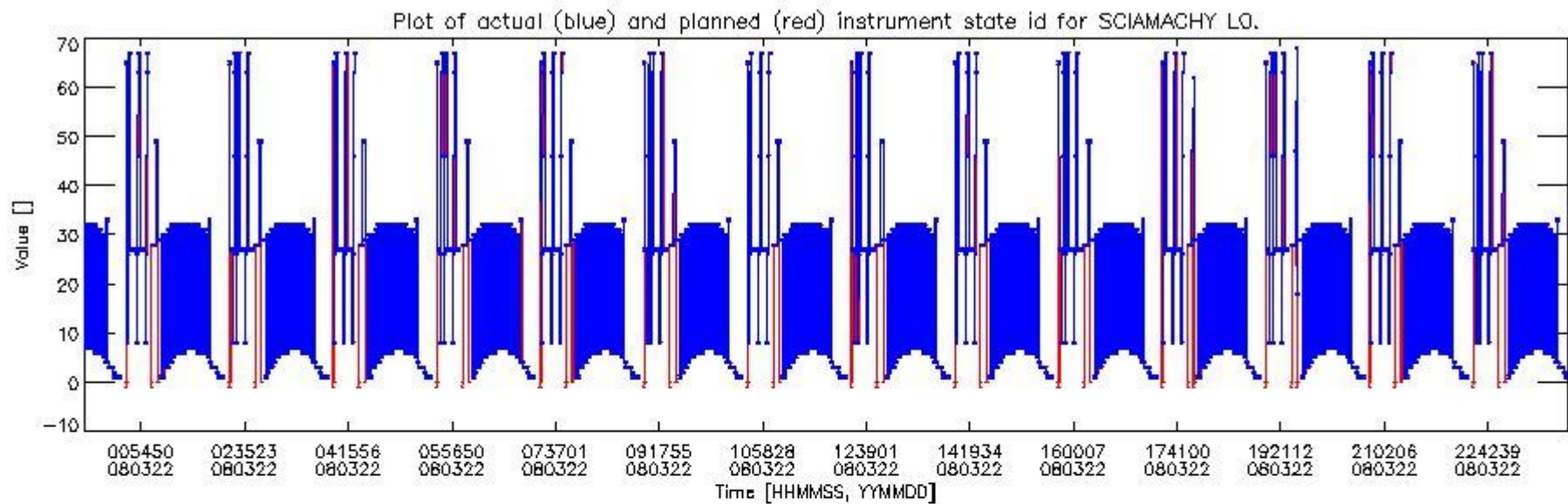


0.3 State monitoring

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: **32294**

#	Actual time	Actual value	Planned time	Planned value
0	22MAR2008 00:00:16.378869	32	22MAR2008 00:00:16.378869	7
1	22MAR2008 00:00:17.003851	32	22MAR2008 00:00:17.003851	7
2	22MAR2008 00:00:17.378864	32	22MAR2008 00:00:17.378864	7
3	22MAR2008 00:00:17.753837	32	22MAR2008 00:00:17.753837	7
4	22MAR2008 00:00:18.316336	32	22MAR2008 00:00:18.316336	7
5	22MAR2008 00:00:18.691349	32	22MAR2008 00:00:18.691349	7
6	22MAR2008 00:00:19.066362	32	22MAR2008 00:00:19.066362	7
7	22MAR2008 00:00:19.441375	32	22MAR2008 00:00:19.441375	7
8	22MAR2008 00:00:20.003875	32	22MAR2008 00:00:20.003875	7
9	22MAR2008 00:00:20.378847	32	22MAR2008 00:00:20.378847	7
10	22MAR2008 00:00:20.753860	32	22MAR2008 00:00:20.753860	7
11	22MAR2008 00:00:21.128874	32	22MAR2008 00:00:21.128874	7
12	22MAR2008 00:00:21.378842	32	22MAR2008 00:00:21.378842	7
13	22MAR2008 00:00:21.691373	32	22MAR2008 00:00:21.691373	7
14	22MAR2008 00:00:22.066346	32	22MAR2008 00:00:22.066346	7
15	22MAR2008 00:00:22.441359	32	22MAR2008 00:00:22.441359	7
16	22MAR2008 00:00:22.816372	32	22MAR2008 00:00:22.816372	7
17	22MAR2008 00:00:23.378871	32	22MAR2008 00:00:23.378871	7
18	22MAR2008 00:01:12.249940	7	22MAR2008 00:01:12.249940	32
19	22MAR2008 00:01:12.624953	7	22MAR2008 00:01:12.624953	32

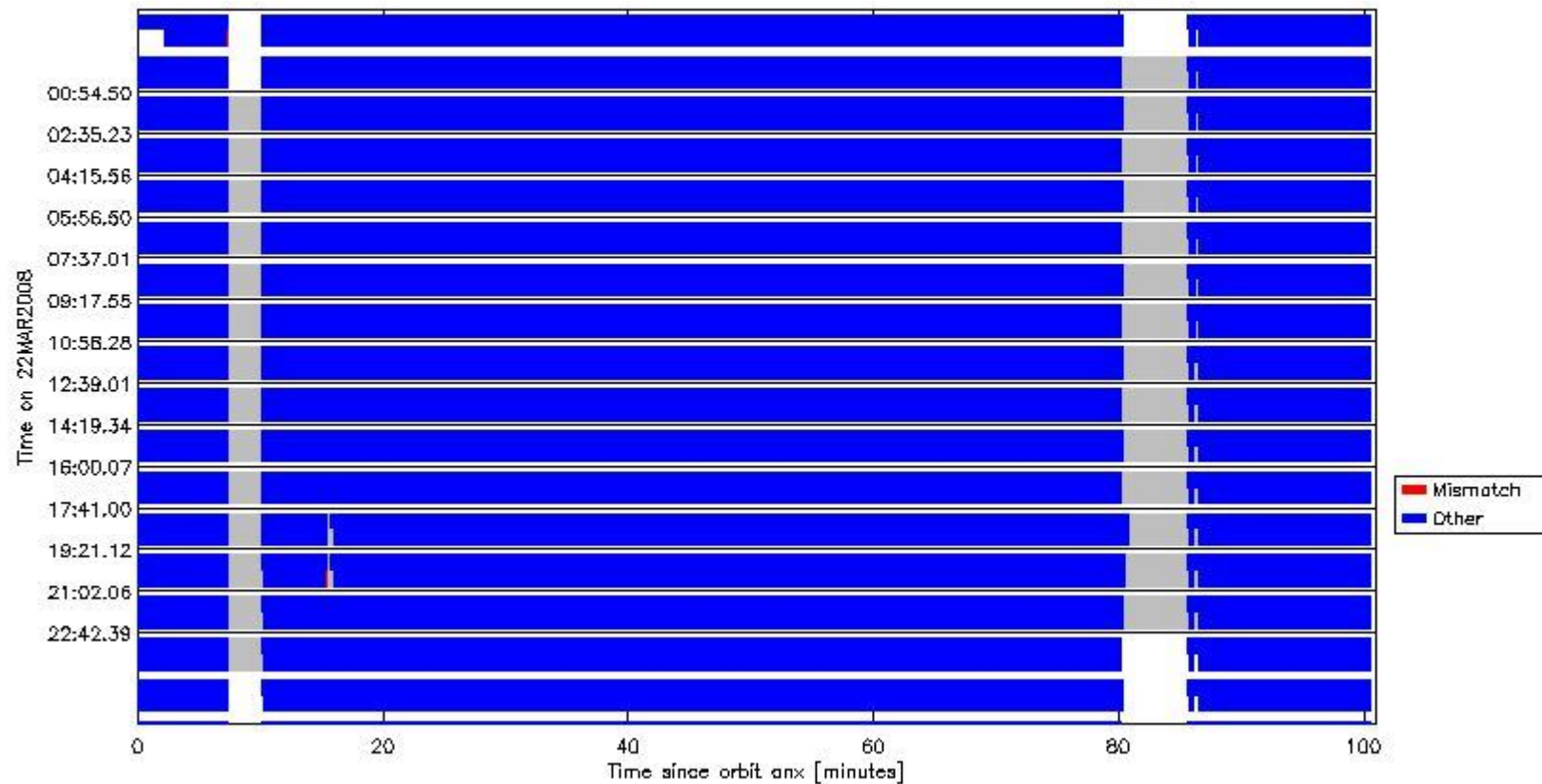


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080322_5.PNG

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 22MAR2008.
 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_20080322_6.PNG

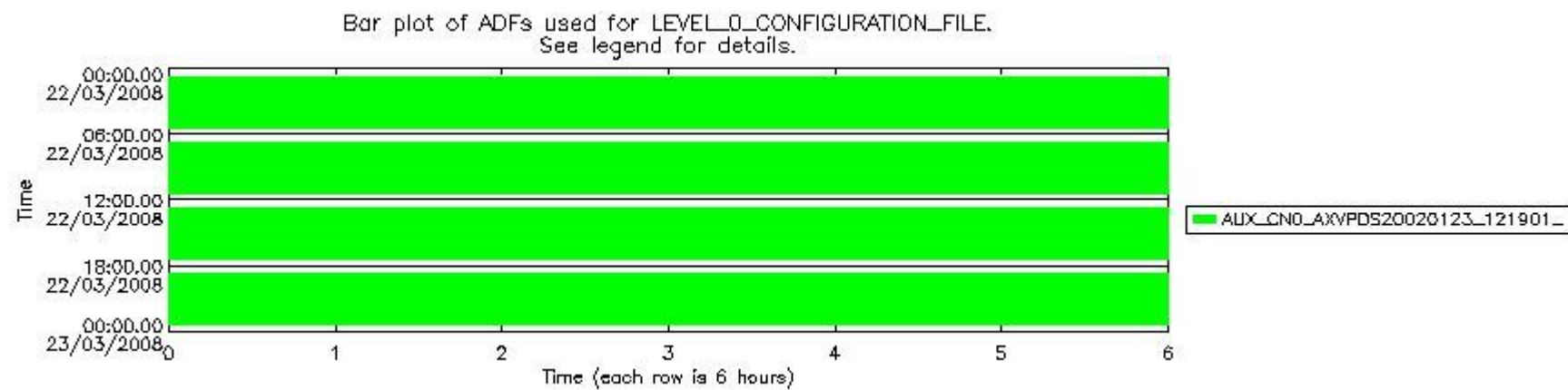
0.4 ADF monitoring

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

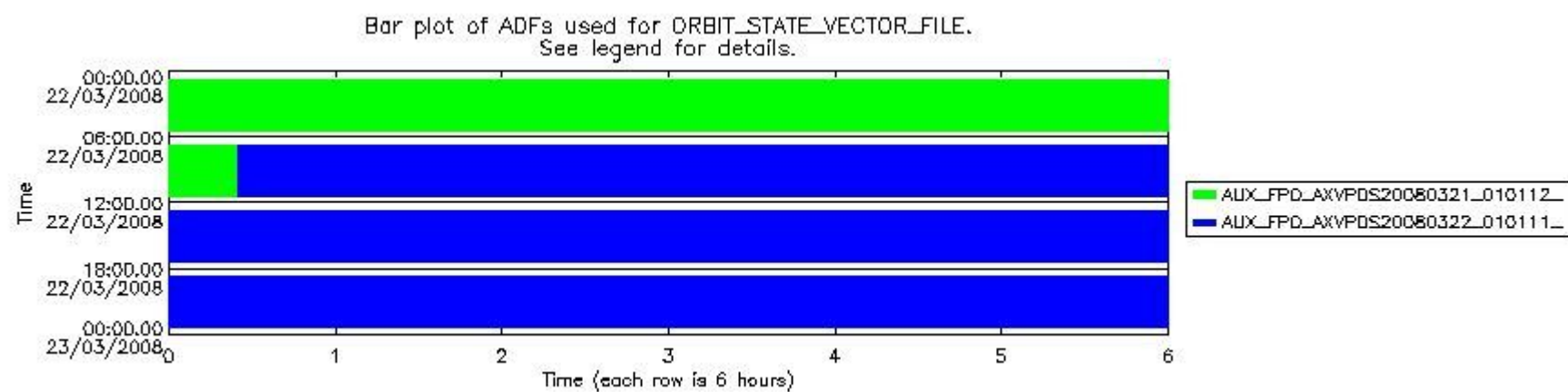
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

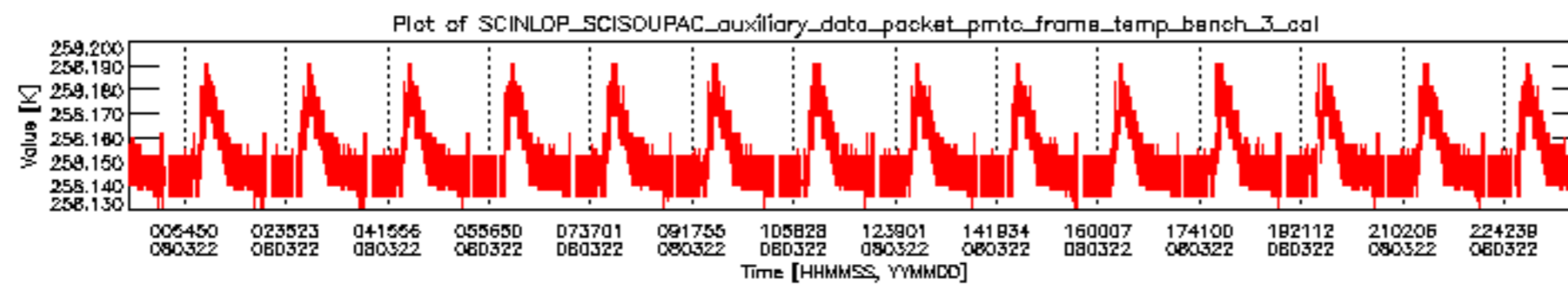
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080321_010112_20080320_184404_20080330_201017
2	AUX_FPO_AXVPDS20080322_010111_20080321_195303_20080331_211916

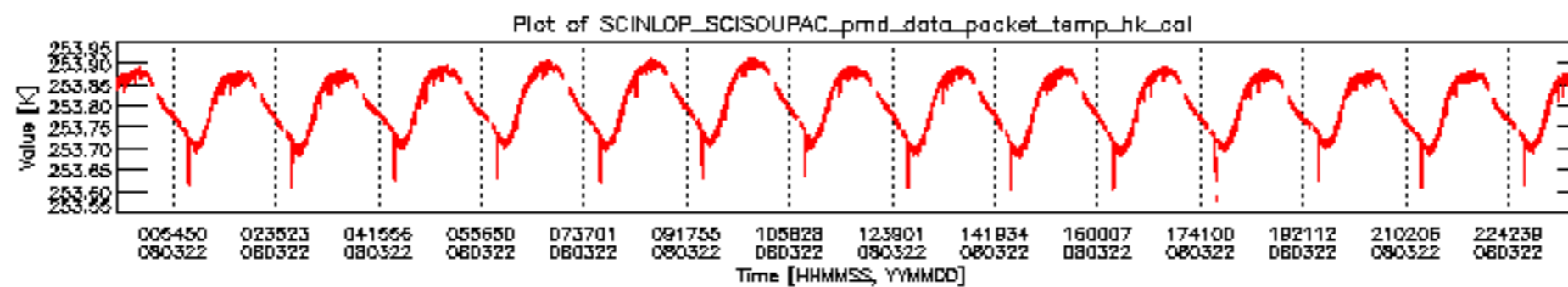


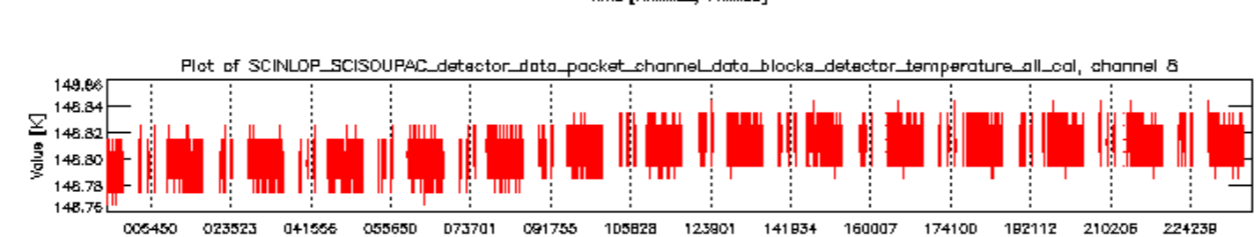
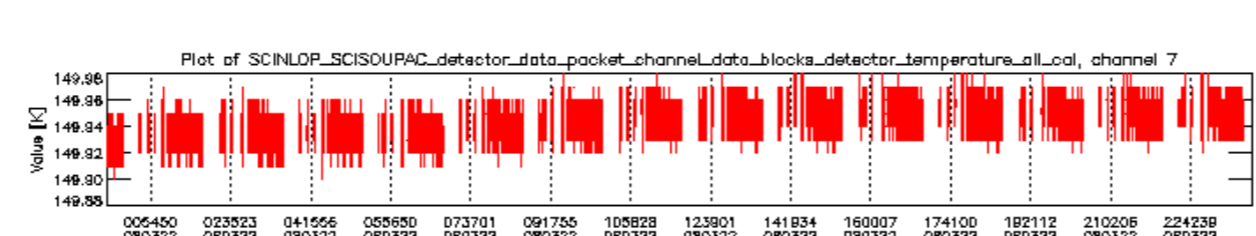
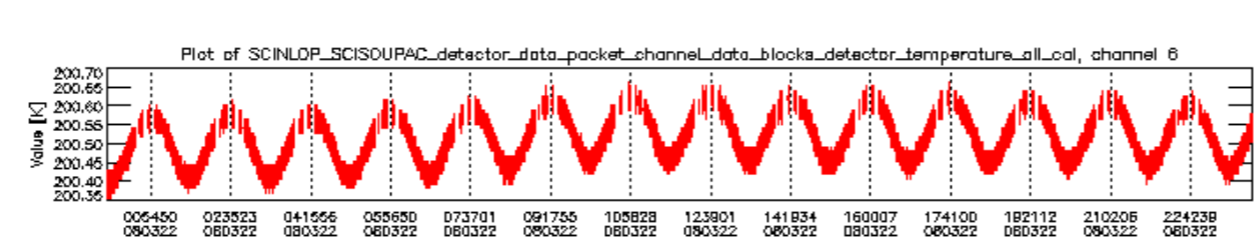
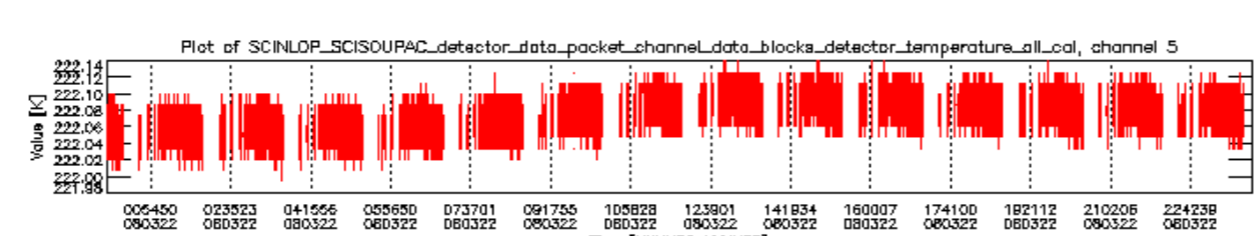
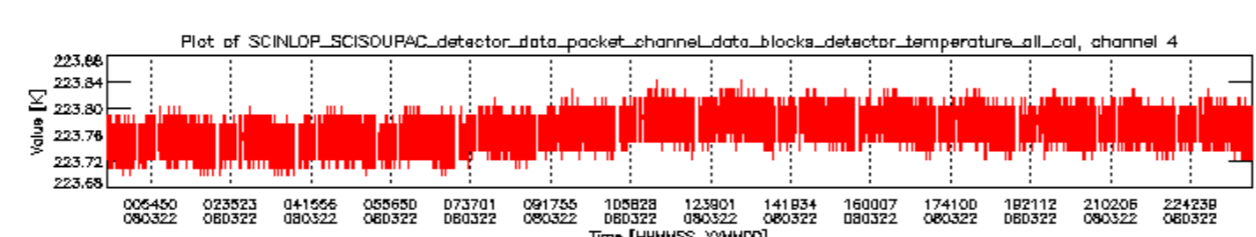
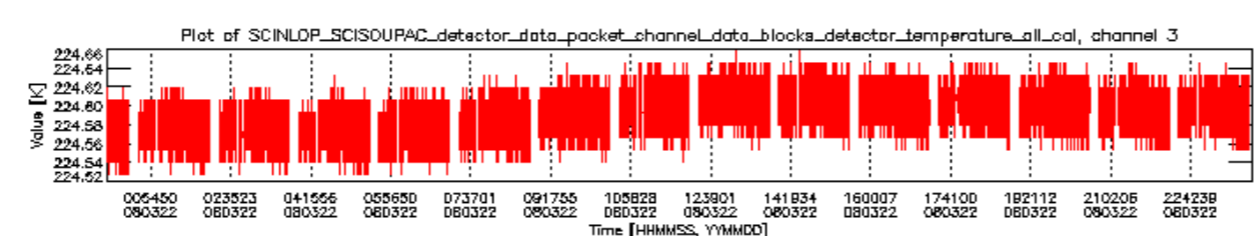
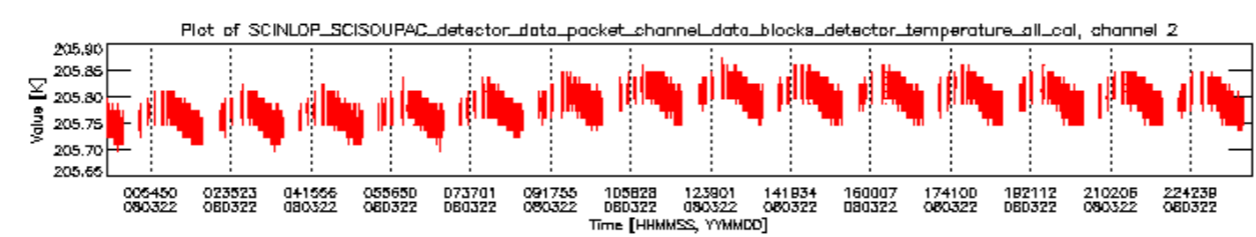
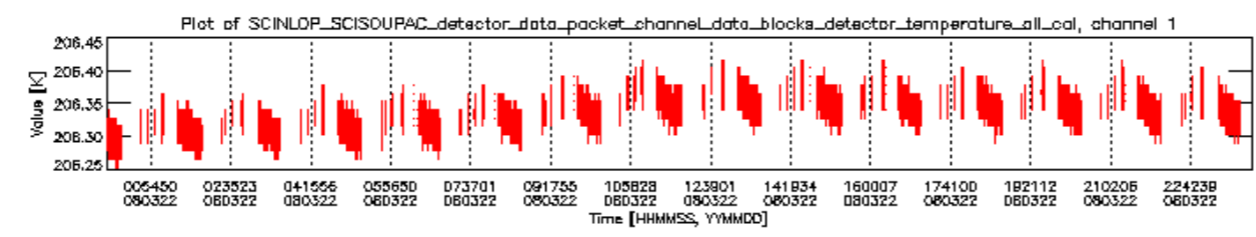
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080322_7.PNG

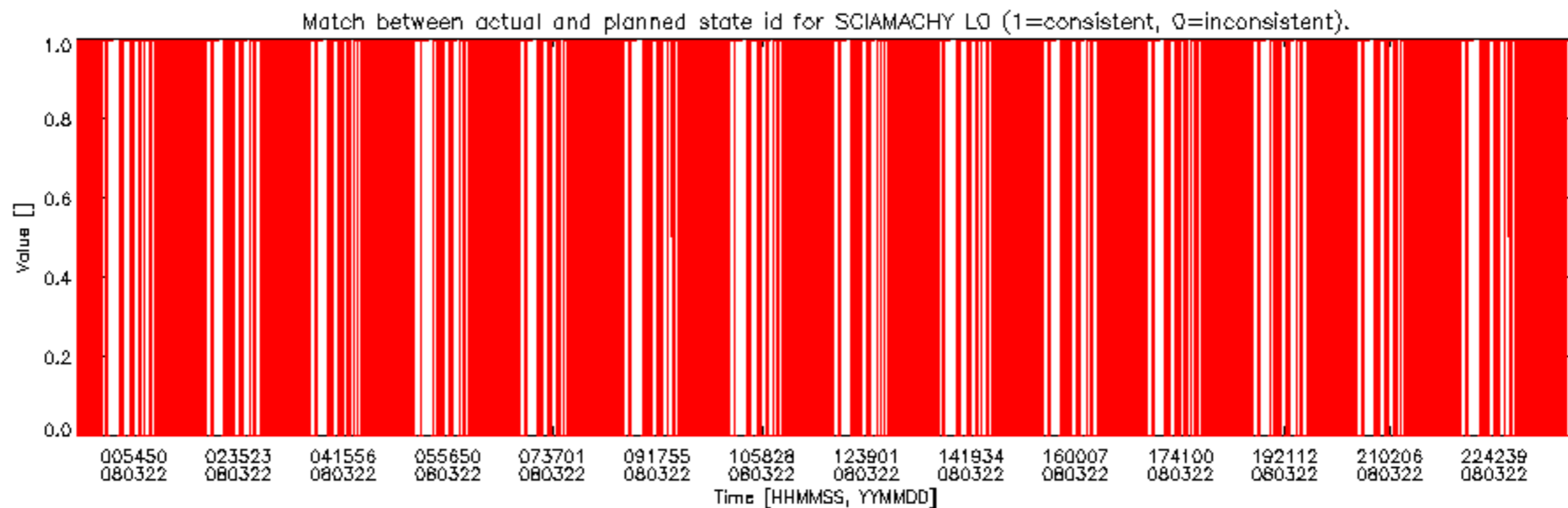
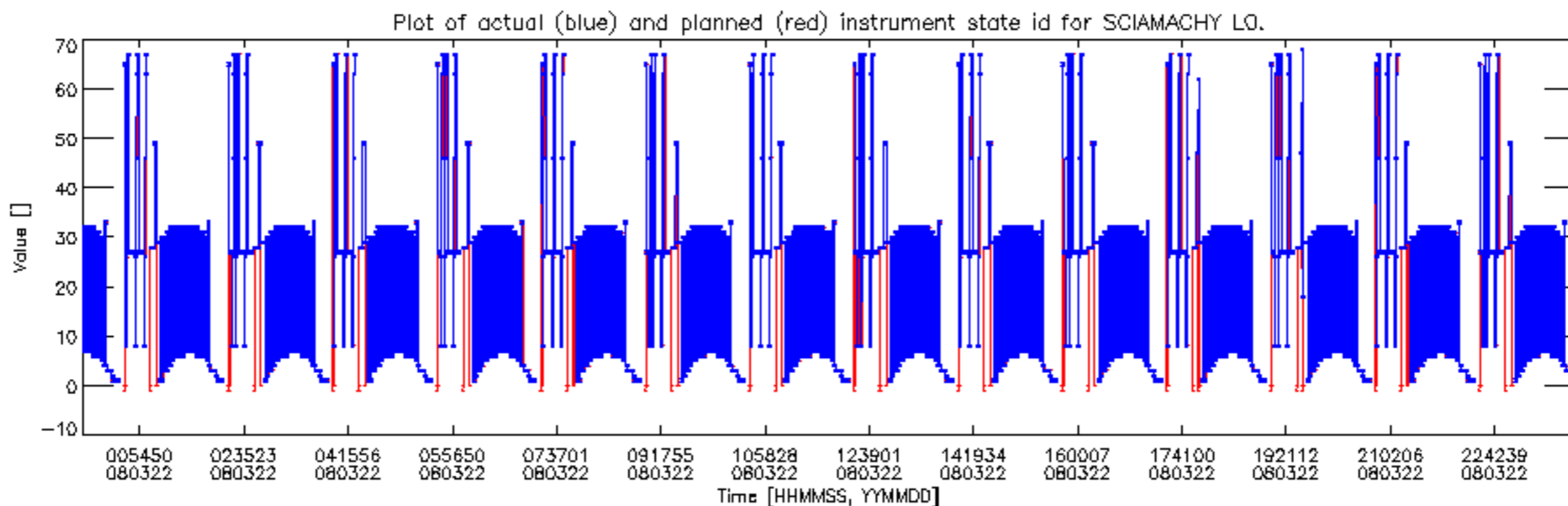


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080322_8.PNG









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