

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	07MAR2008 15:39:53
Data source version	KSPT_L0/4303-N
Processing scope for products	03MAR2008 00:00:00 to 04MAR2008 00:00:00
Start time of first product within scope	03MAR2008 06:54:18
Stop time of last product within scope	04MAR2008 00:09:37
Total number of level 0 products	11
Number of level 0 products with errors	0

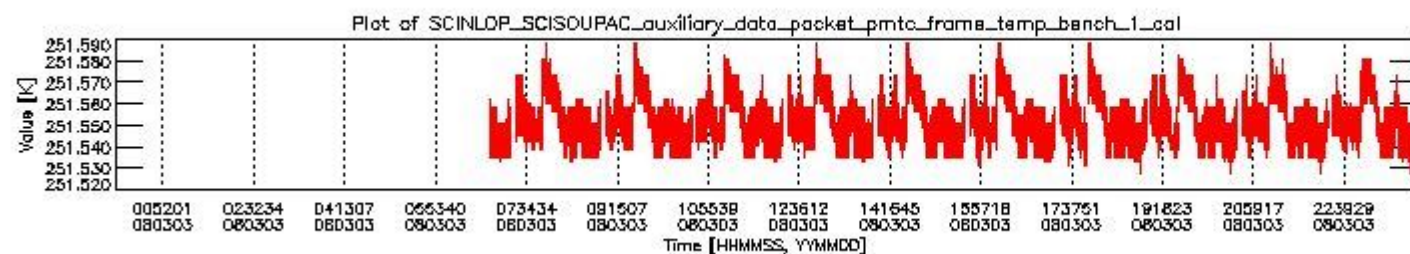
0.1.2 Summary per product

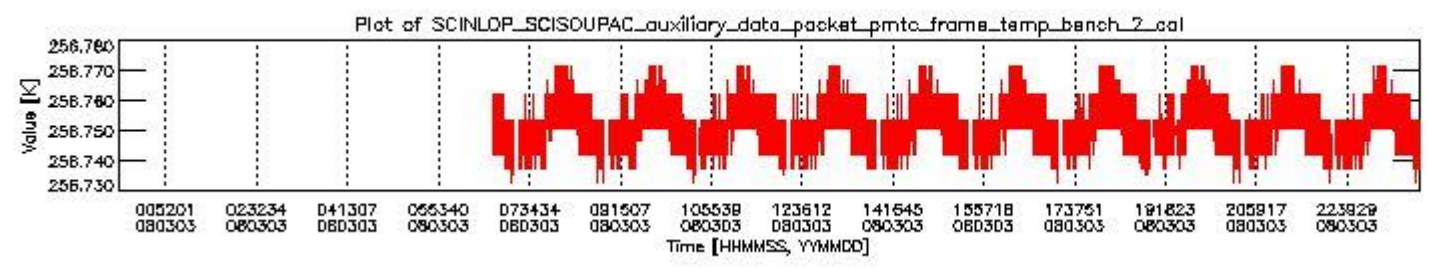
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDK20080303_065418_000040452066_00292_31408_7543.N1	03MAR2008 06:54:18	03MAR2008 08:01:43	0	0	0	0	0
1	SCI_NL__OPNPDK20080303_080047_000062162066_00293_31409_7544.N1	03MAR2008 08:00:47	03MAR2008 09:44:23	0	0	0	0	0
2	SCI_NL__OPNPDK20080303_094314_000060482066_00294_31410_7545.N1	03MAR2008 09:43:14	03MAR2008 11:24:02	0	0	0	0	0
3	SCI_NL__OPNPDK20080303_112158_000060232066_00295_31411_7546.N1	03MAR2008 11:21:58	03MAR2008 13:02:21	0	0	0	0	0
4	SCI_NL__OPNPDK20080303_130125_000059802066_00296_31412_7547.N1	03MAR2008 13:01:25	03MAR2008 14:41:04	0	0	0	0	0
5	SCI_NL__OPNPDK20080303_143956_000057992066_00297_31413_7548.N1	03MAR2008 14:39:56	03MAR2008 16:16:35	0	0	0	0	0
6	SCI_NL__OPNPDK20080303_161539_000060632066_00298_31414_7549.N1	03MAR2008 16:15:39	03MAR2008 17:56:42	0	0	0	0	0
7	SCI_NL__OPNPDK20080303_175601_000059952066_00299_31415_7550.N1	03MAR2008 17:56:01	03MAR2008 19:35:56	0	0	0	0	0
8	SCI_NL__OPNPDE20080303_193432_000039362066_00300_31416_6256.N1	03MAR2008 19:34:32	03MAR2008 20:40:08	0	0	0	0	0
9	SCI_NL__OPNPDE20080303_204659_000061232066_00300_31416_6257.N1	03MAR2008 20:46:59	03MAR2008 22:29:03	0	0	0	0	0
10	SCI_NL__OPNPDE20080303_222818_000060792066_00301_31417_6258.N1	03MAR2008 22:28:18	04MAR2008 00:09:37	0	0	0	0	0

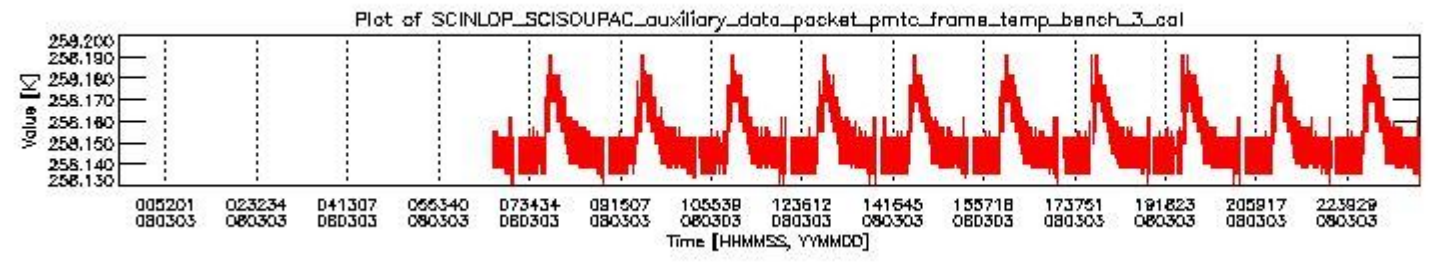
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

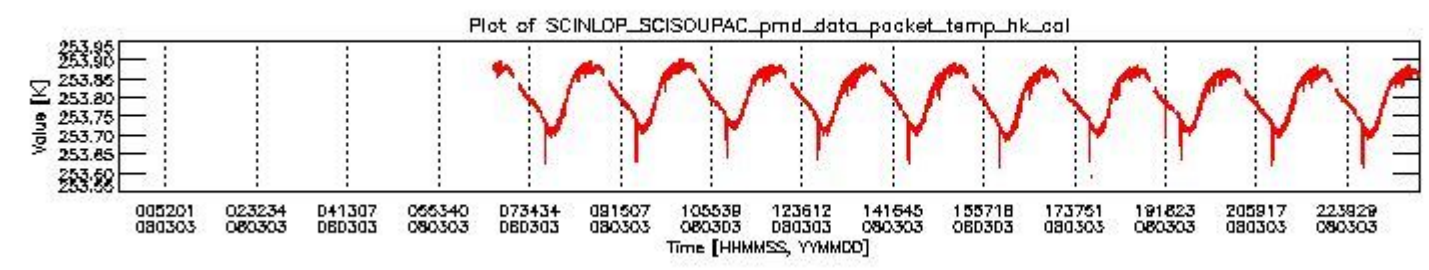




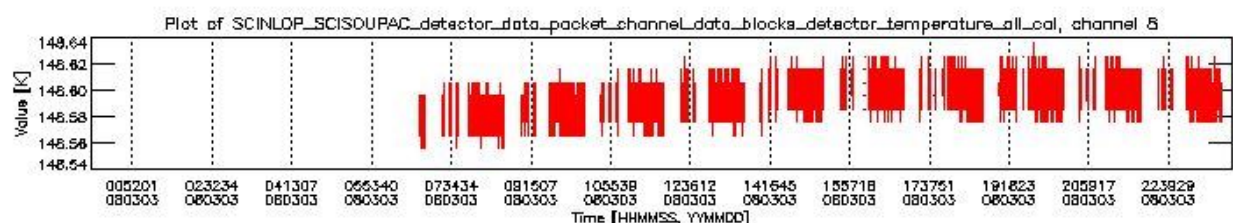
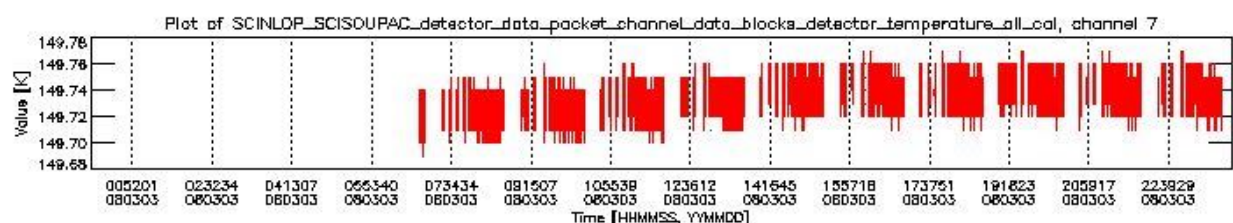
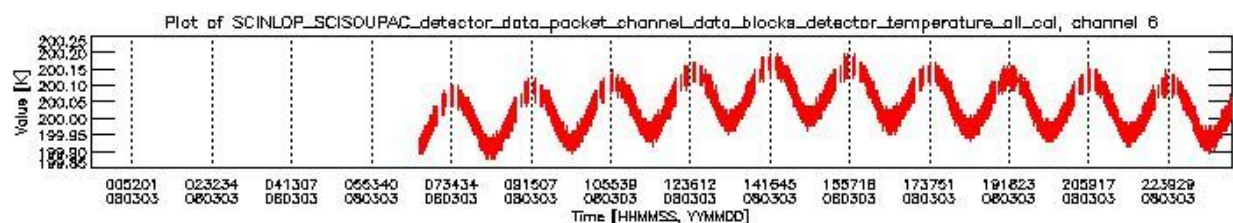
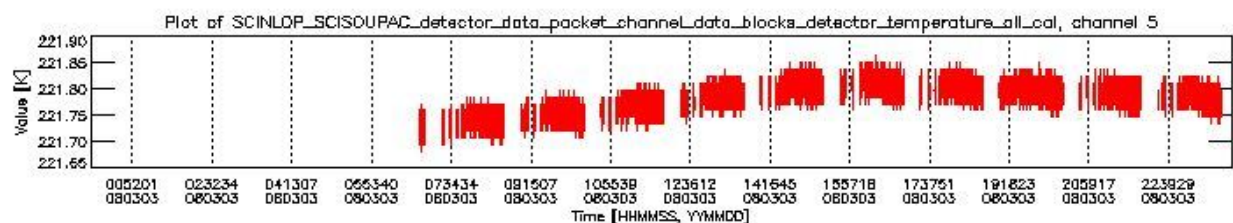
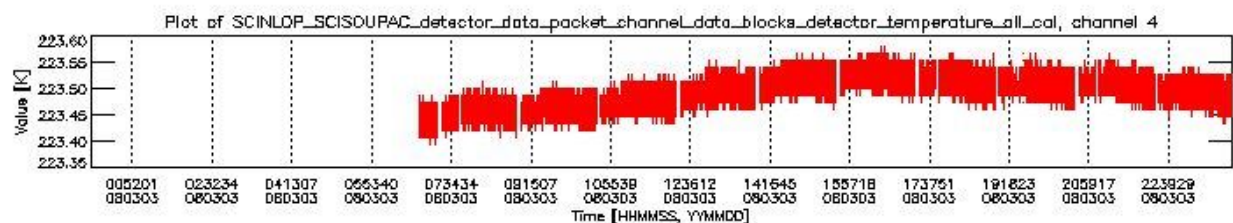
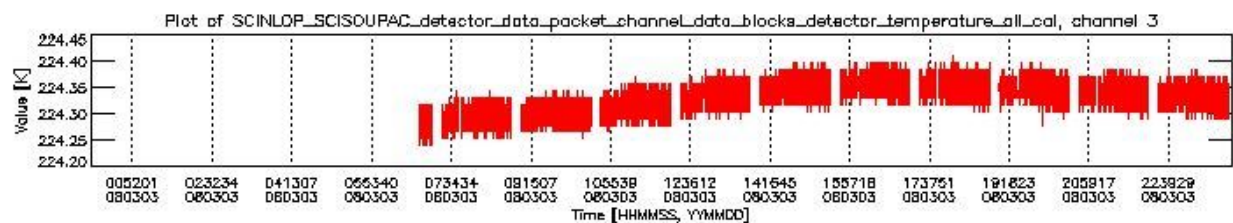
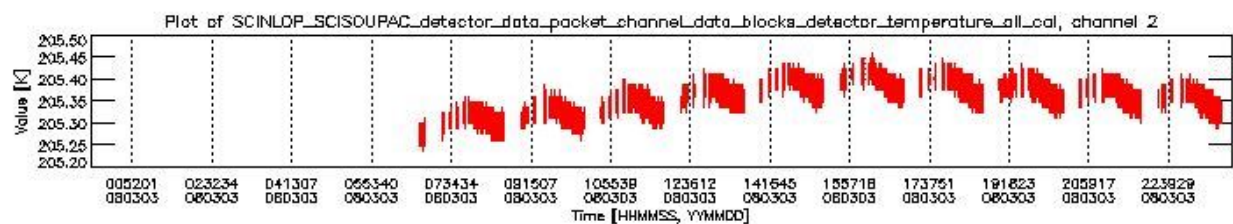
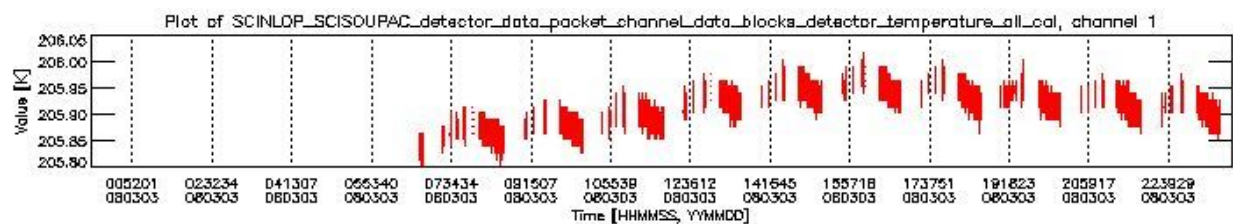
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080303_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080303_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080303_3.PNG

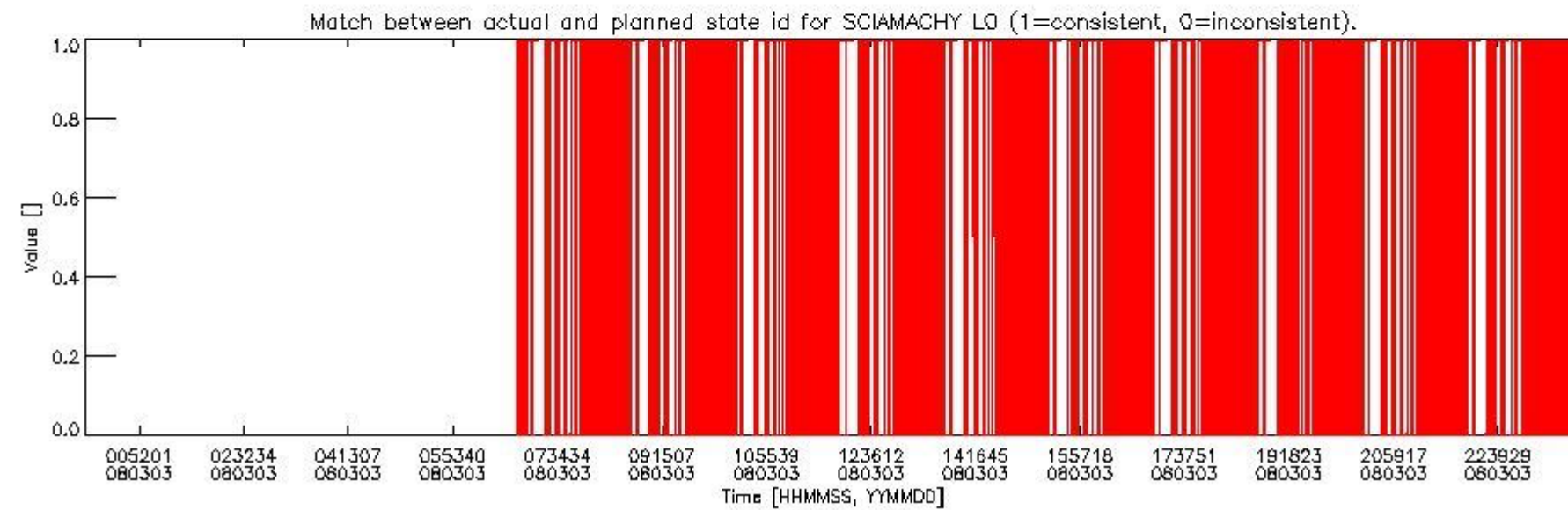
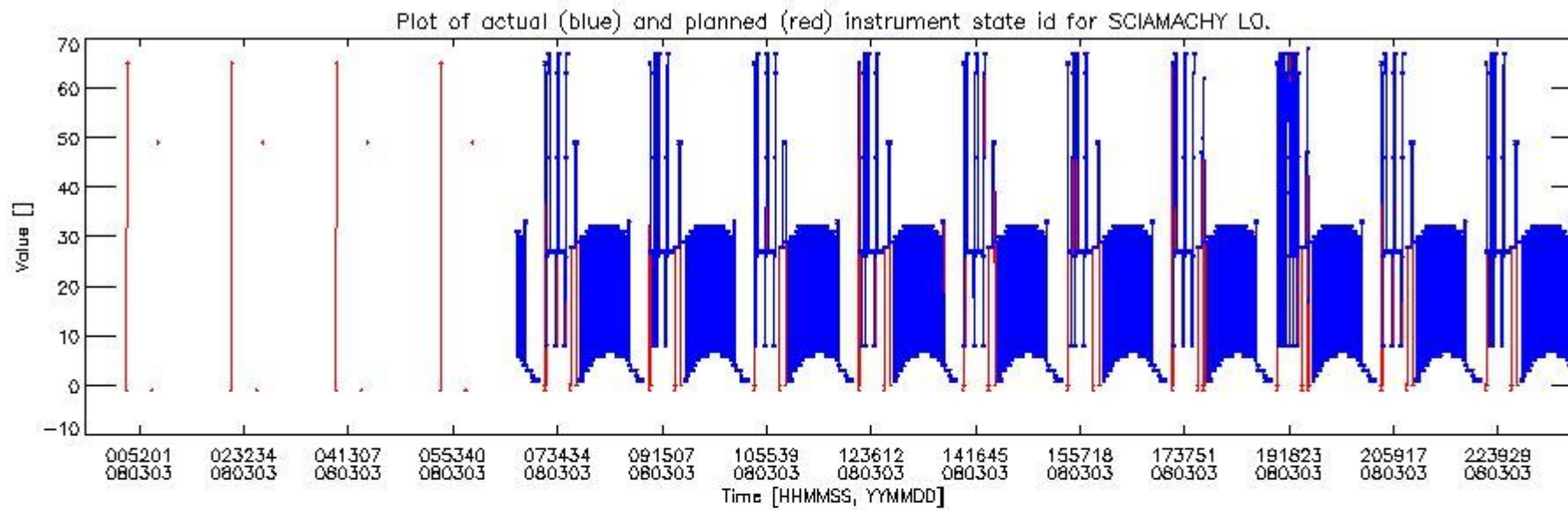


0.3 State monitoring

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: **26561**

#	Actual time	Actual value	Planned time	Planned value
0	03MAR2008 06:55:14.680955	6	03MAR2008 06:55:14.680955	31
1	03MAR2008 06:55:15.055928	6	03MAR2008 06:55:15.055928	31
2	03MAR2008 06:55:15.305936	6	03MAR2008 06:55:15.305936	31
3	03MAR2008 06:55:15.555945	6	03MAR2008 06:55:15.555945	31
4	03MAR2008 06:55:15.805954	6	03MAR2008 06:55:15.805954	31
5	03MAR2008 06:55:16.055962	6	03MAR2008 06:55:16.055962	31
6	03MAR2008 06:55:16.305931	6	03MAR2008 06:55:16.305931	31
7	03MAR2008 06:55:16.555940	6	03MAR2008 06:55:16.555940	31
8	03MAR2008 06:55:16.805948	6	03MAR2008 06:55:16.805948	31
9	03MAR2008 06:55:17.055957	6	03MAR2008 06:55:17.055957	31
10	03MAR2008 06:55:17.305925	6	03MAR2008 06:55:17.305925	31
11	03MAR2008 06:55:17.555934	6	03MAR2008 06:55:17.555934	31
12	03MAR2008 06:55:17.805943	6	03MAR2008 06:55:17.805943	31
13	03MAR2008 06:55:18.055952	6	03MAR2008 06:55:18.055952	31
14	03MAR2008 06:55:18.305960	6	03MAR2008 06:55:18.305960	31
15	03MAR2008 06:55:18.555929	6	03MAR2008 06:55:18.555929	31
16	03MAR2008 06:55:18.805937	6	03MAR2008 06:55:18.805937	31
17	03MAR2008 06:55:19.055946	6	03MAR2008 06:55:19.055946	31
18	03MAR2008 06:55:19.305955	6	03MAR2008 06:55:19.305955	31
19	03MAR2008 06:55:19.555964	6	03MAR2008 06:55:19.555964	31

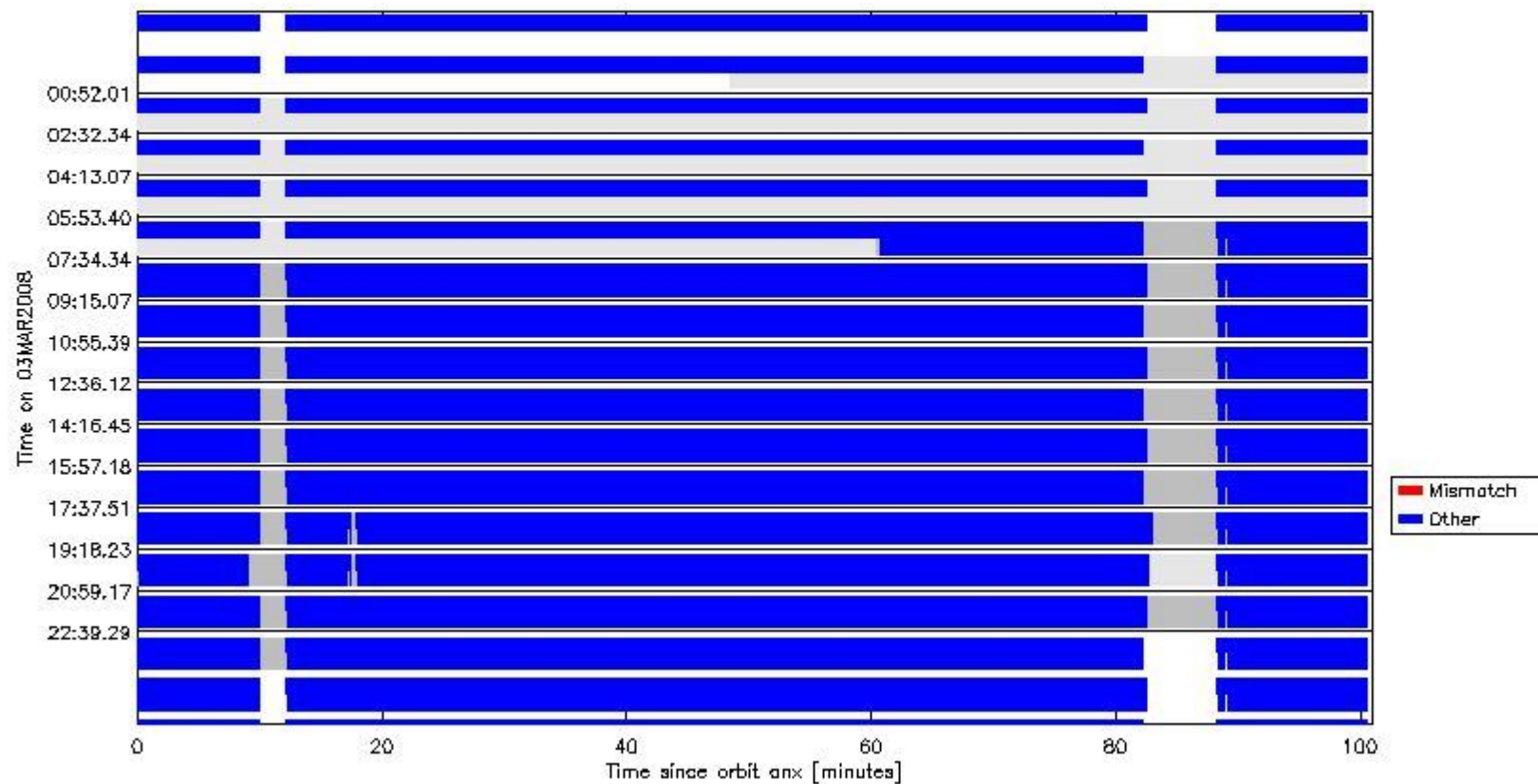


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080303_5.PNG

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 03MAR2008.
 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_20080303_6.PNG

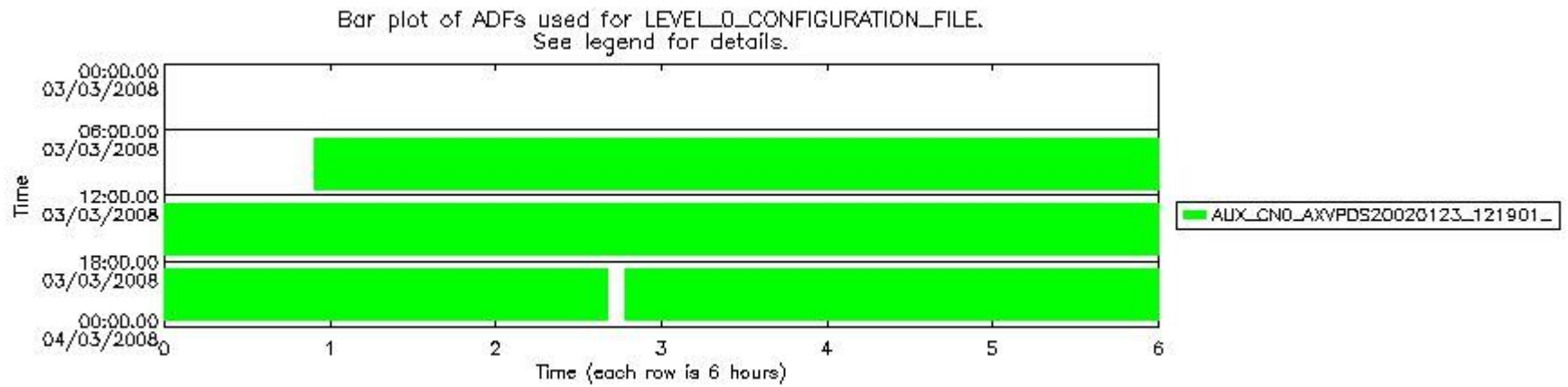
0.4 ADF monitoring

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

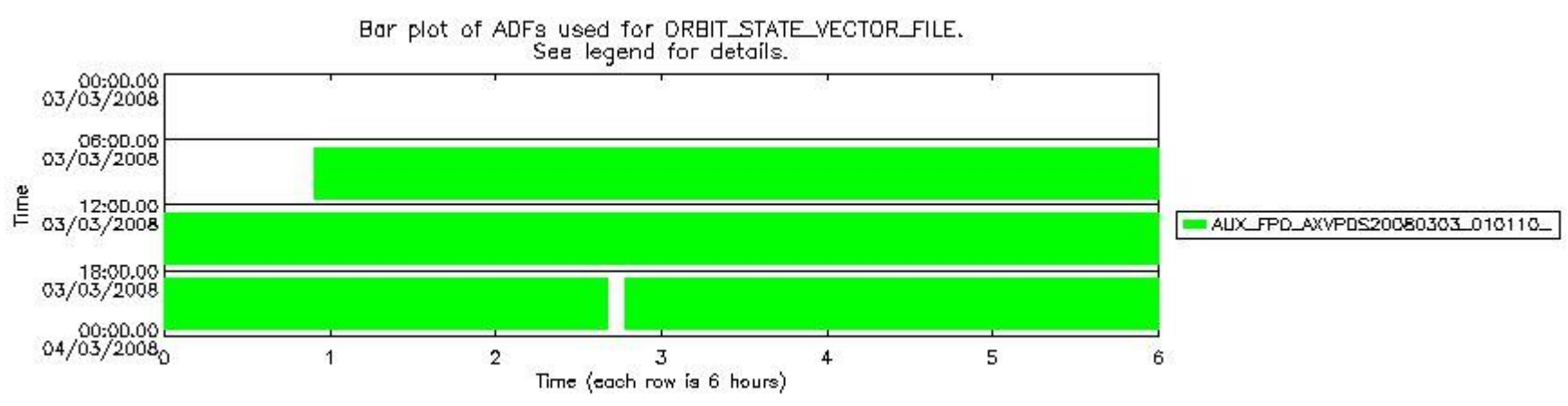
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

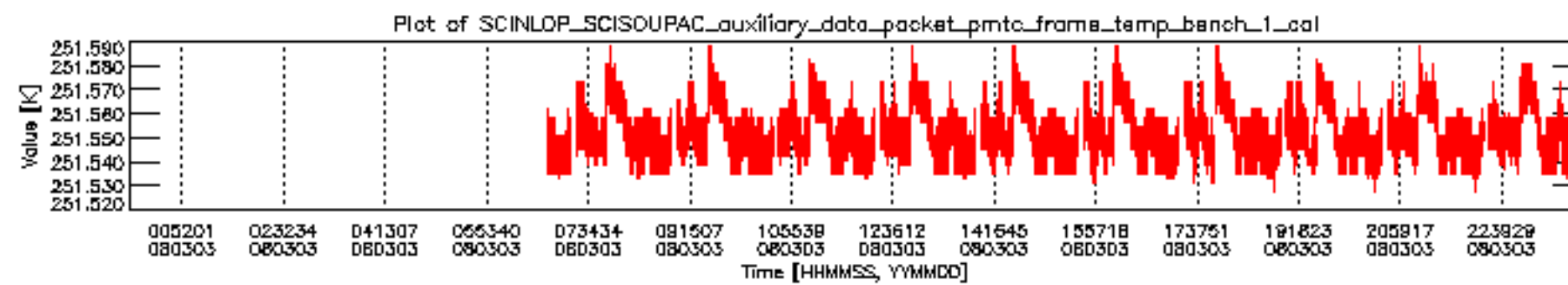
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080303_010110_20080302_195010_20080312_211624

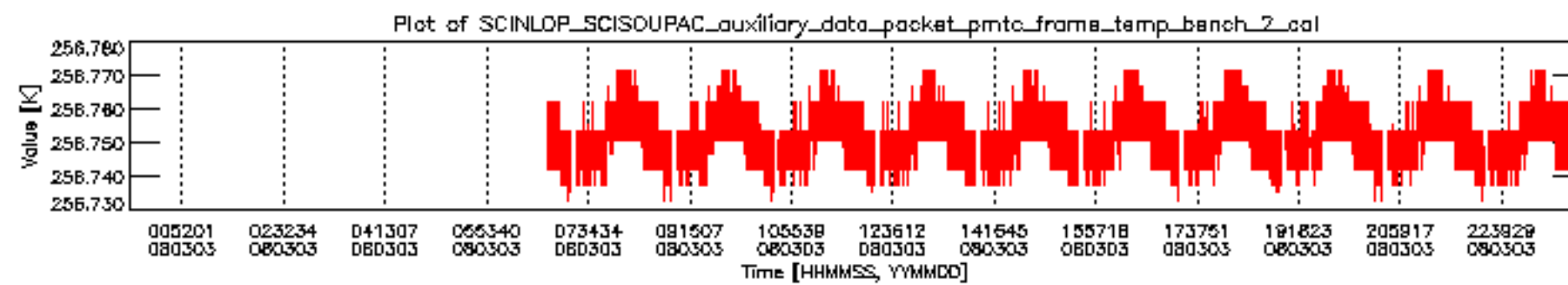


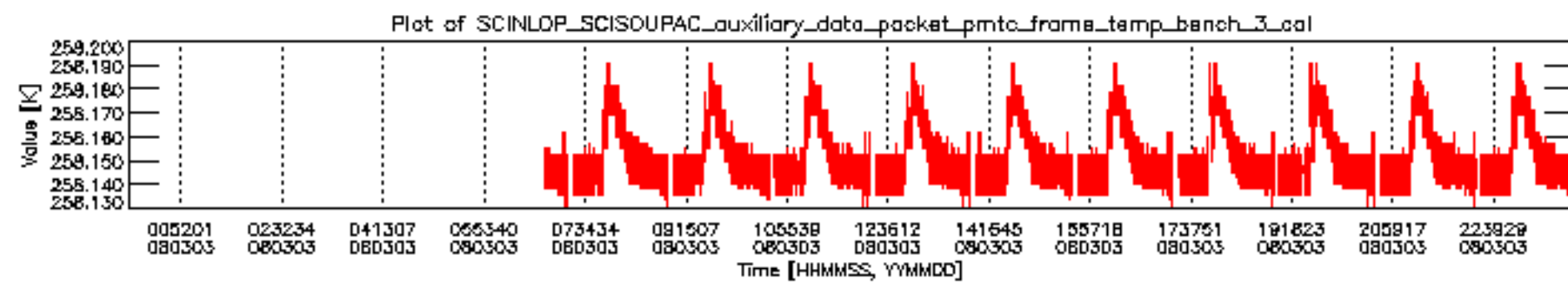
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080303_7.PNG

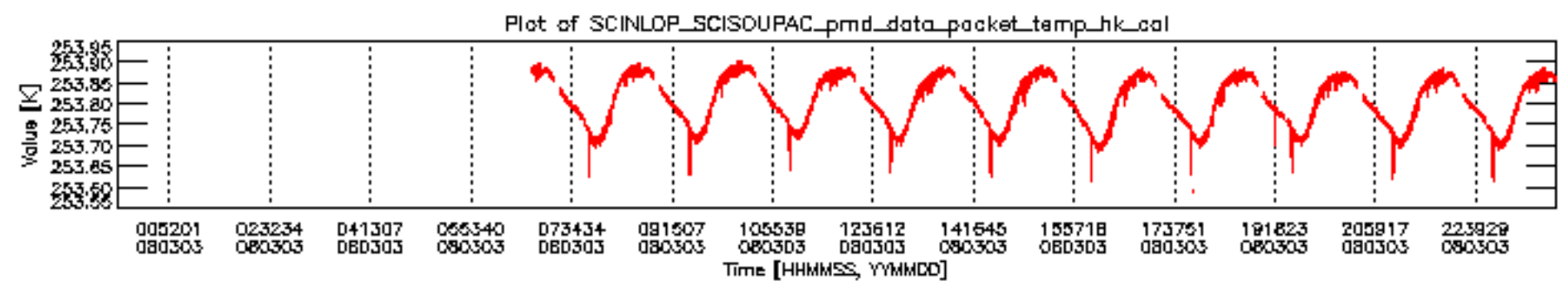


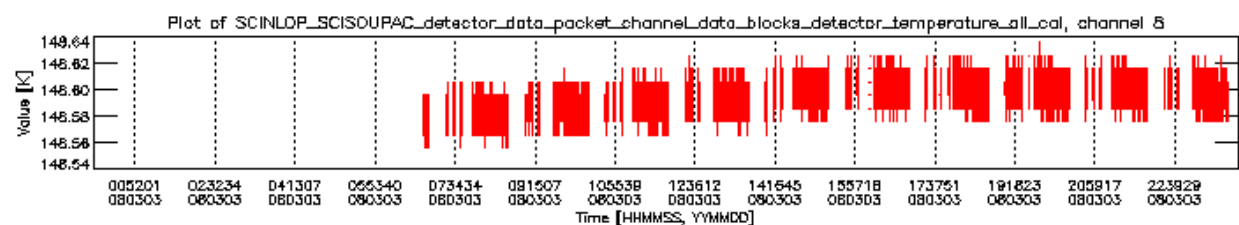
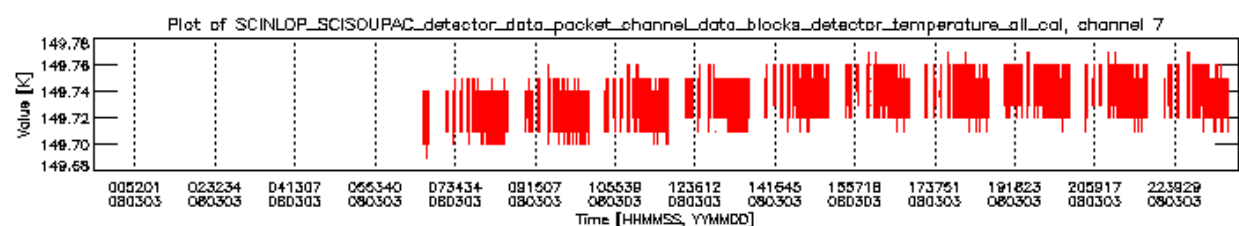
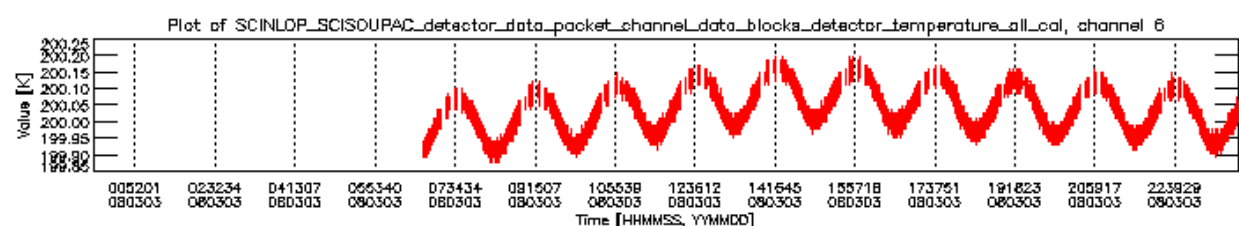
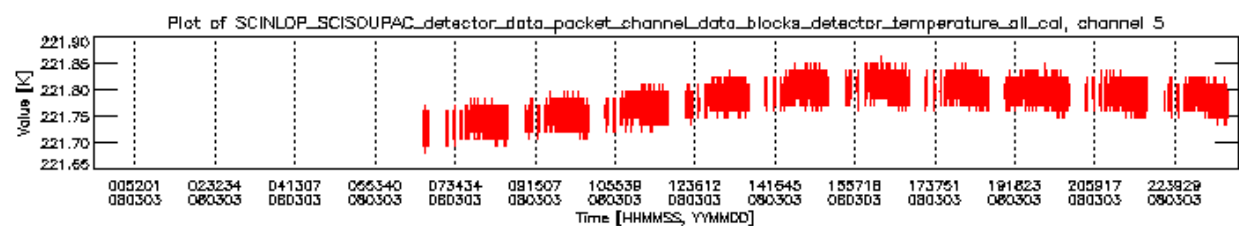
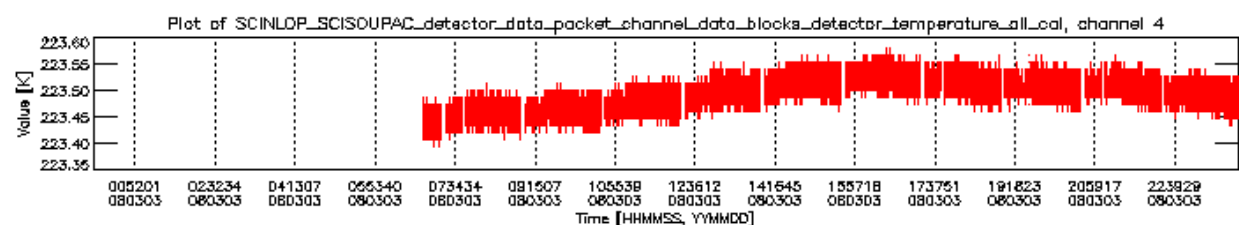
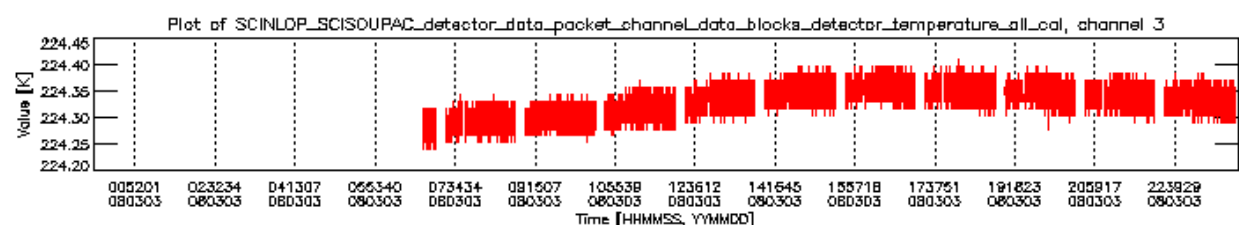
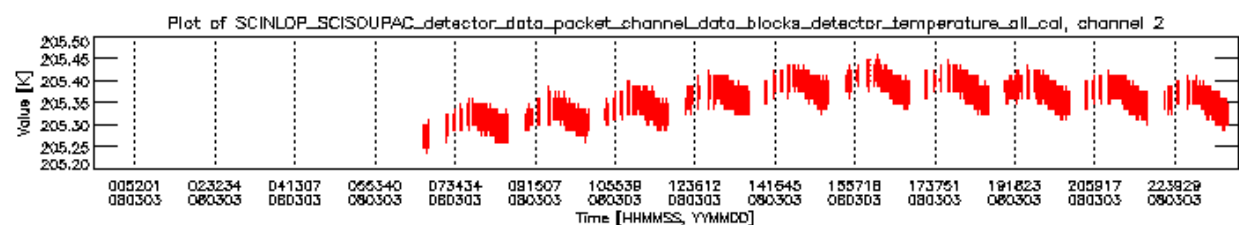
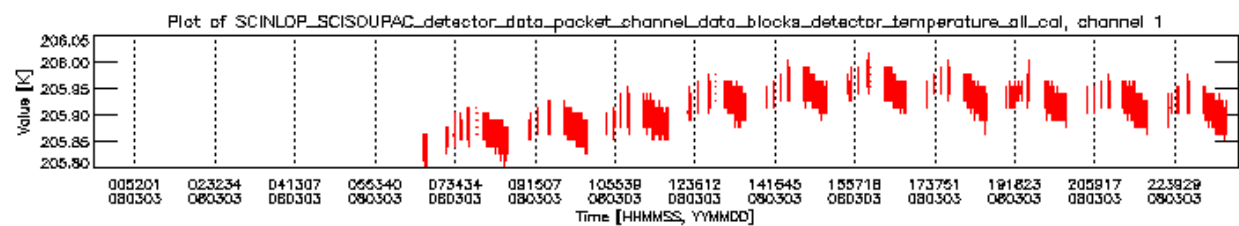
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080303_8.PNG

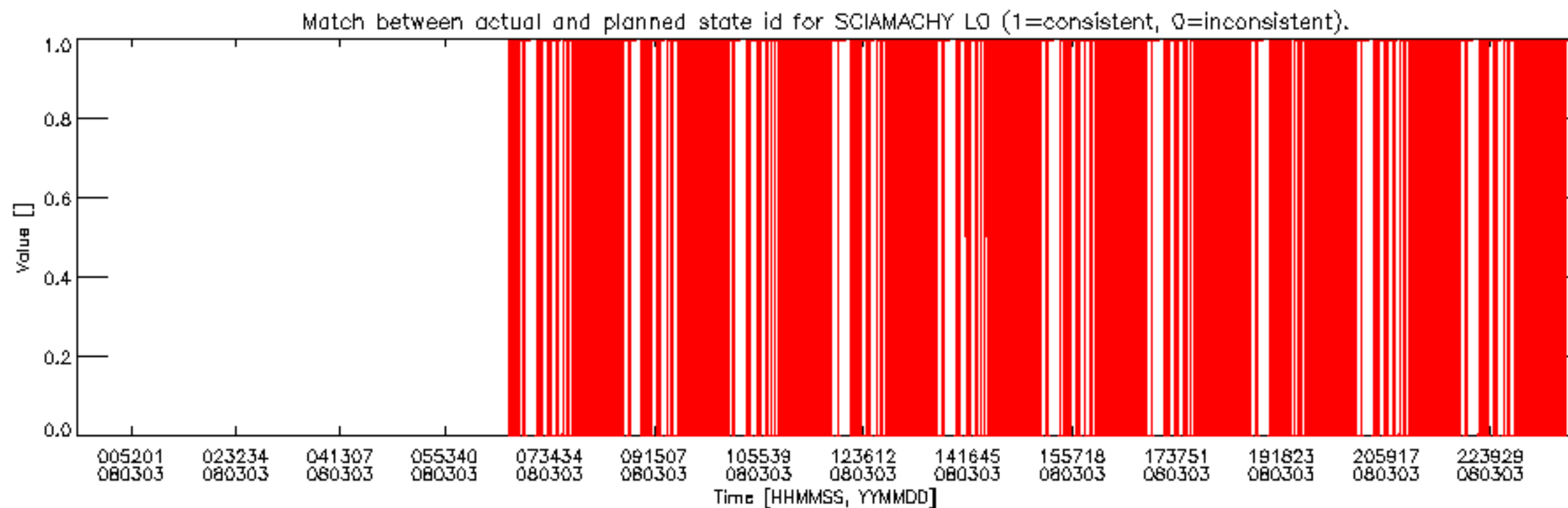
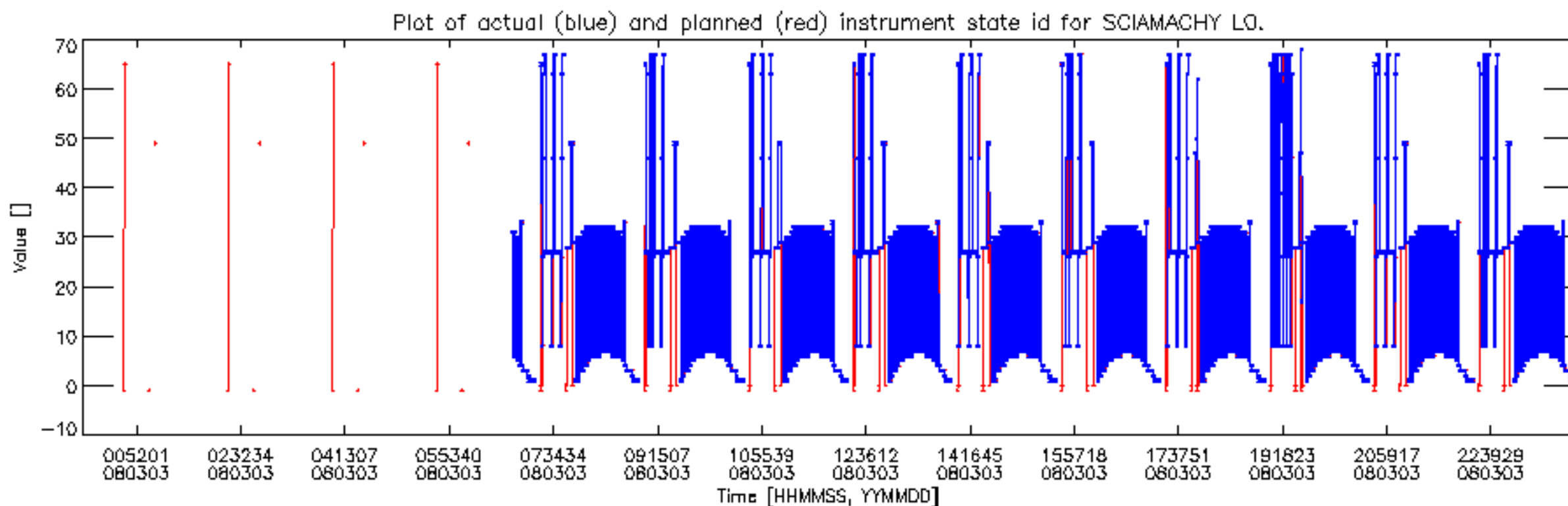












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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