

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	23AUG2008 04:48:40
Data source version	KSPT_L0/4303-N
Processing scope for products	19AUG2008 00:00:00 to 20AUG2008 00:00:00
Start time of first product within scope	18AUG2008 22:48:10
Stop time of last product within scope	20AUG2008 01:35:45
Total number of level 0 products	17
Number of level 0 products with errors	0

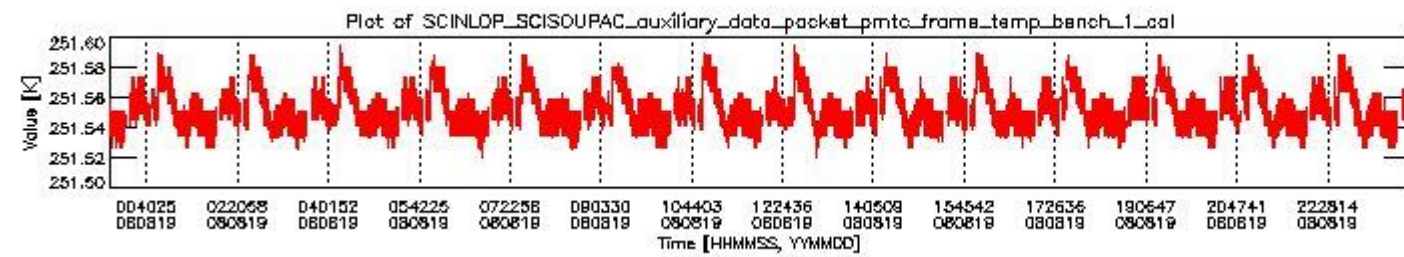
0.1.2 Summary per product

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

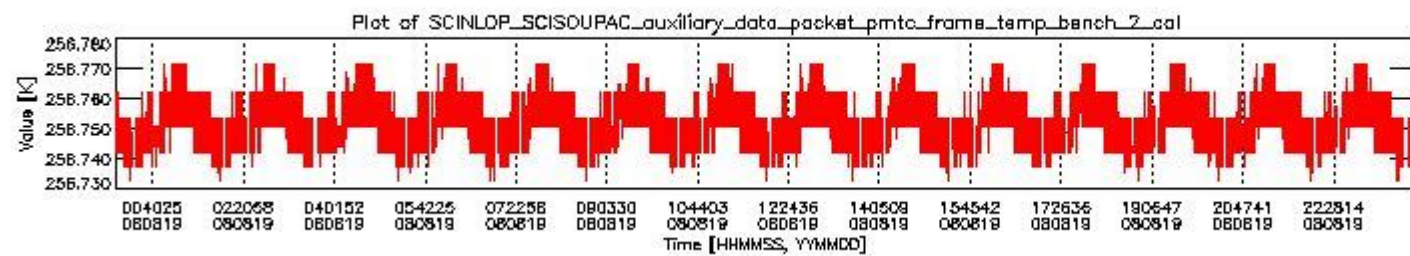
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080818_224810_000061252071_00201_33822_7340.N1	18AUG2008 22:48:10	19AUG2008 00:30:15	0	0	0	0	0
1	SCI_NL__OPNPDE20080819_002931_000058182071_00202_33823_7341.N1	19AUG2008 00:29:31	19AUG2008 02:06:28	0	0	0	0	0
2	SCI_NL__OPNPDE20080819_020511_000045092071_00203_33824_7342.N1	19AUG2008 02:05:11	19AUG2008 03:20:20	0	0	0	0	0
3	SCI_NL__OPNPDE20080819_032020_000061612071_00204_33825_7343.N1	19AUG2008 03:20:20	19AUG2008 05:03:01	0	0	0	0	0
4	SCI_NL__OPNPDE20080819_050301_000060362071_00205_33826_7344.N1	19AUG2008 05:03:01	19AUG2008 06:43:37	0	0	0	0	0
5	SCI_NL__OPNPDK20080819_064337_000040452071_00206_33827_9078.N1	19AUG2008 06:43:37	19AUG2008 07:51:03	0	0	0	0	0
6	SCI_NL__OPNPDK20080819_075103_000061612071_00207_33828_9079.N1	19AUG2008 07:51:03	19AUG2008 09:33:43	0	0	0	0	0
7	SCI_NL__OPNPDK20080819_093235_000059802071_00208_33829_9080.N1	19AUG2008 09:32:35	19AUG2008 11:12:15	0	0	0	0	0
8	SCI_NL__OPNPDK20080819_111119_000060242071_00209_33830_9081.N1	19AUG2008 11:11:19	19AUG2008 12:51:43	0	0	0	0	0
9	SCI_NL__OPNPDK20080819_125047_000059122071_00210_33831_9082.N1	19AUG2008 12:50:47	19AUG2008 14:29:19	0	0	0	0	0
10	SCI_NL__OPNPDK20080819_142919_000058432071_00211_33832_9083.N1	19AUG2008 14:29:19	19AUG2008 16:06:42	0	0	0	0	0
11	SCI_NL__OPNPDK20080819_160438_000060312071_00212_33833_9084.N1	19AUG2008 16:04:38	19AUG2008 17:45:09	0	0	0	0	0
12	SCI_NL__OPNPDK20080819_174413_000059372071_00213_33834_9085.N1	19AUG2008 17:44:13	19AUG2008 19:23:10	0	0	0	0	0
13	SCI_NL__OPNPDK20080819_192214_000061982071_00214_33835_9086.N1	19AUG2008 19:22:14	19AUG2008 21:05:31	0	0	0	0	0
14	SCI_NL__OPNPDE20080819_210327_000042652071_00215_33836_7345.N1	19AUG2008 21:03:27	19AUG2008 22:14:32	0	0	0	0	0
15	SCI_NL__OPNPDE20080819_221358_000062862071_00215_33836_7346.N1	19AUG2008 22:13:58	19AUG2008 23:58:44	0	0	0	0	0
16	SCI_NL__OPNPDE20080819_235716_000059092071_00216_33837_7347.N1	19AUG2008 23:57:16	20AUG2008 01:35:45	0	0	0	0	0

0.2 Product Quality Indicators

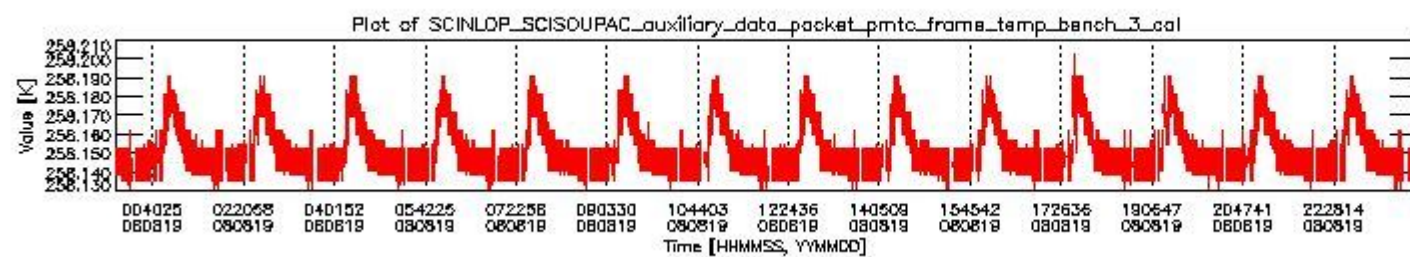
This section shows information about product quality, currently temperatures.



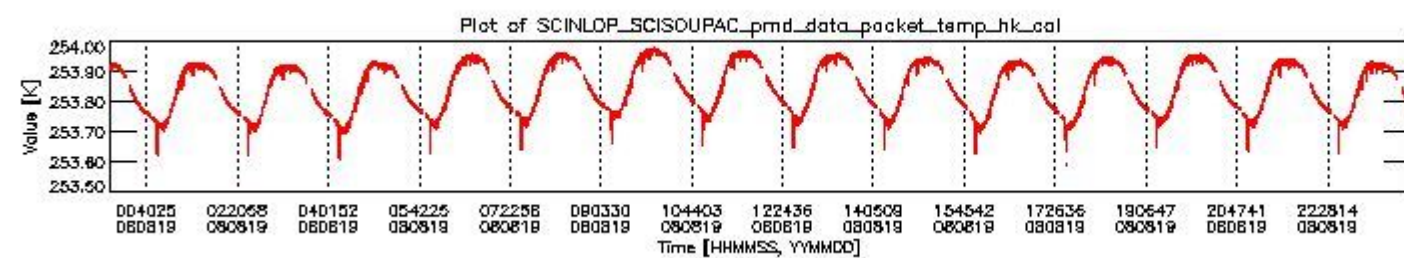
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080819_0.PNG



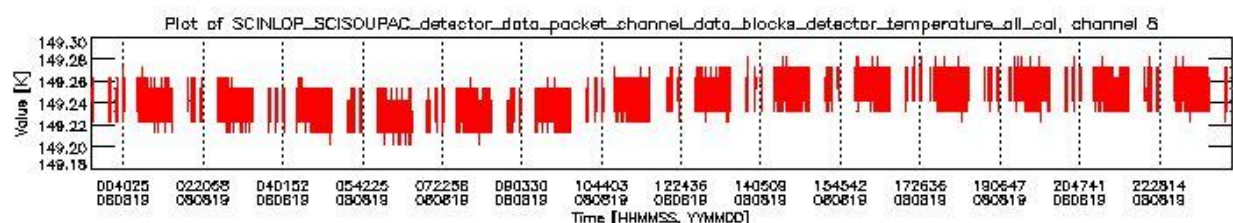
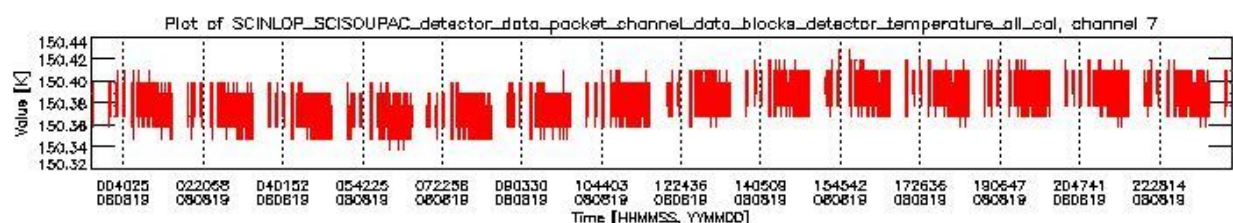
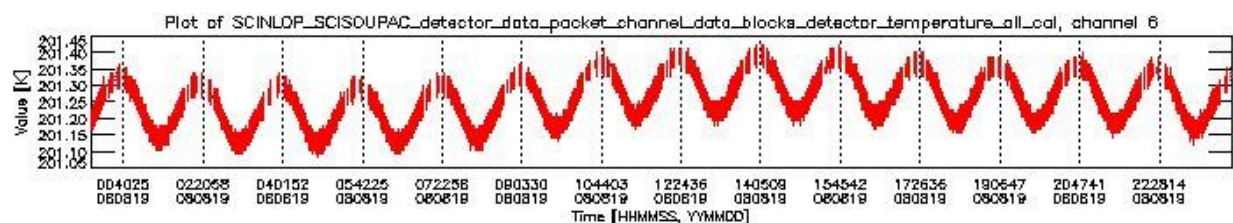
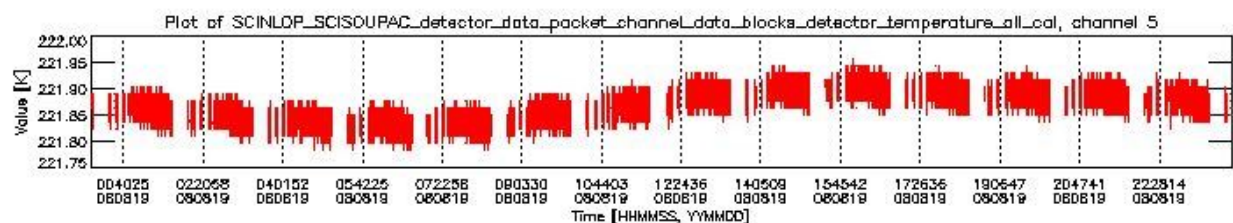
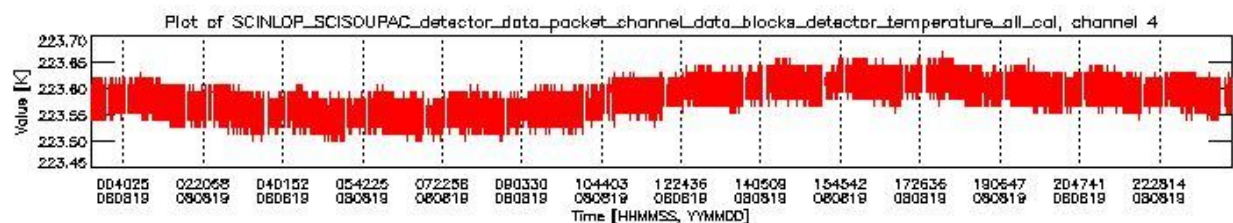
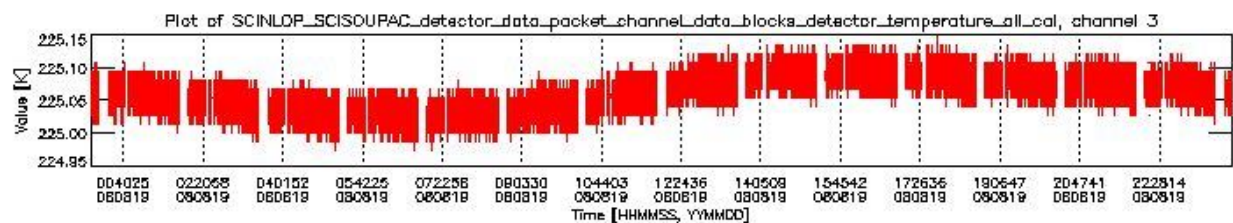
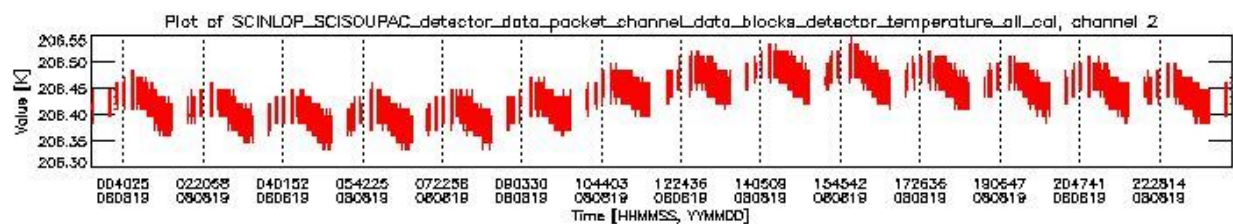
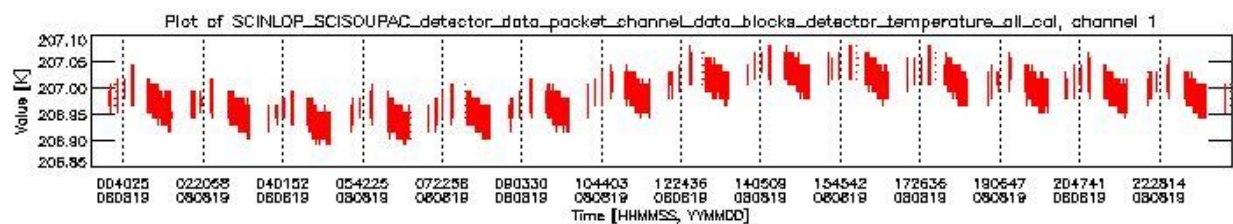
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080819_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080819_3.PNG

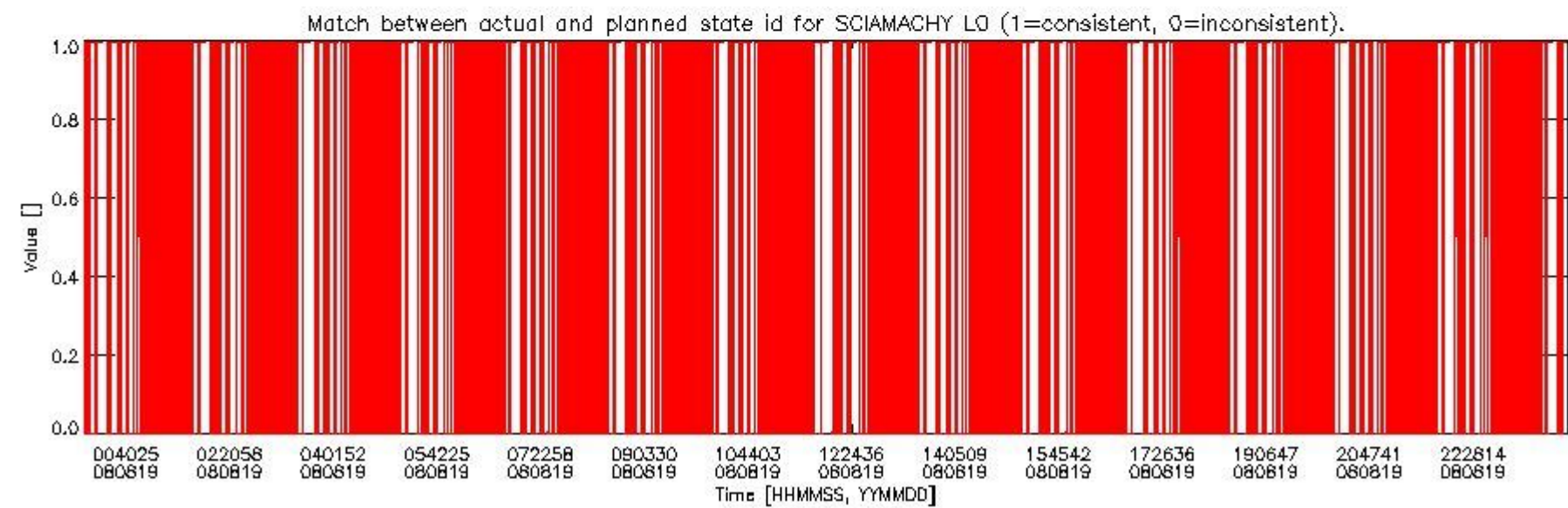
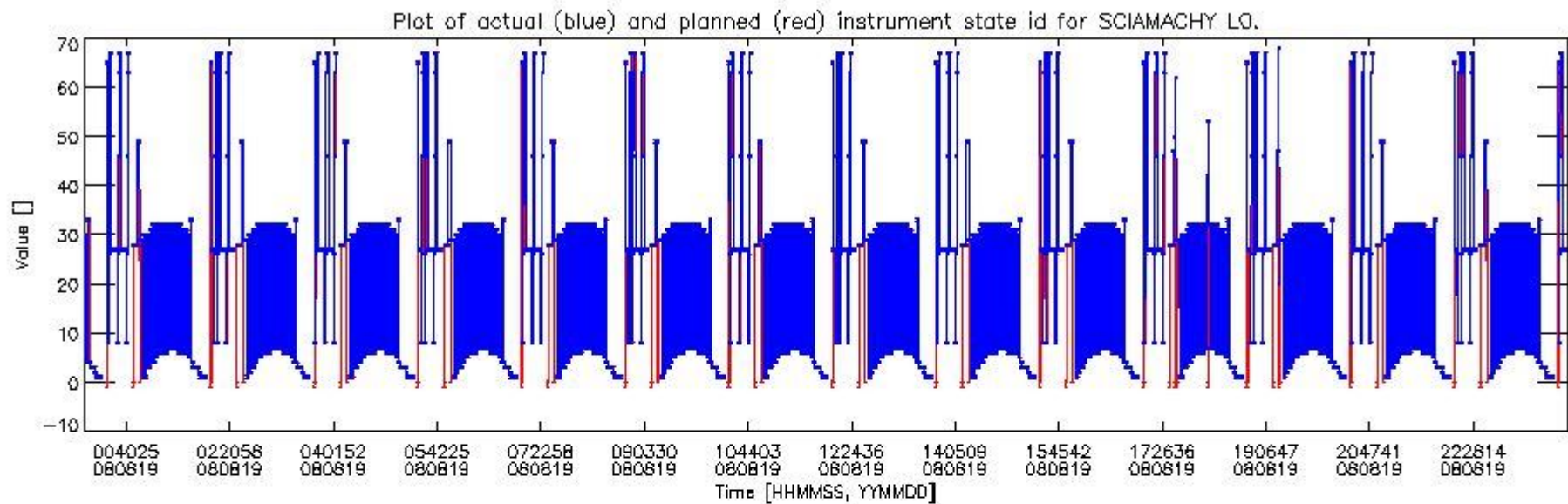


0.3 State monitoring

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: **40196**

#	Actual time	Actual value	Planned time	Planned value
0	19AUG2008 00:00:03.747877	5	19AUG2008 00:00:03.747877	30
1	19AUG2008 00:00:03.997886	5	19AUG2008 00:00:03.997886	30
2	19AUG2008 00:00:04.122891	5	19AUG2008 00:00:04.122891	30
3	19AUG2008 00:00:04.247895	5	19AUG2008 00:00:04.247895	30
4	19AUG2008 00:00:04.372899	5	19AUG2008 00:00:04.372899	30
5	19AUG2008 00:00:04.497904	5	19AUG2008 00:00:04.497904	30
6	19AUG2008 00:00:04.622868	5	19AUG2008 00:00:04.622868	30
7	19AUG2008 00:00:04.747872	5	19AUG2008 00:00:04.747872	30
8	19AUG2008 00:00:04.872876	5	19AUG2008 00:00:04.872876	30
9	19AUG2008 00:00:04.997881	5	19AUG2008 00:00:04.997881	30
10	19AUG2008 00:00:05.122885	5	19AUG2008 00:00:05.122885	30
11	19AUG2008 00:00:05.247889	5	19AUG2008 00:00:05.247889	30
12	19AUG2008 00:00:05.372894	5	19AUG2008 00:00:05.372894	30
13	19AUG2008 00:00:05.497898	5	19AUG2008 00:00:05.497898	30
14	19AUG2008 00:00:05.622903	5	19AUG2008 00:00:05.622903	30
15	19AUG2008 00:00:05.747867	5	19AUG2008 00:00:05.747867	30
16	19AUG2008 00:00:05.872871	5	19AUG2008 00:00:05.872871	30
17	19AUG2008 00:00:05.997875	5	19AUG2008 00:00:05.997875	30
18	19AUG2008 00:00:06.122880	5	19AUG2008 00:00:06.122880	30
19	19AUG2008 00:00:06.247884	5	19AUG2008 00:00:06.247884	30
...

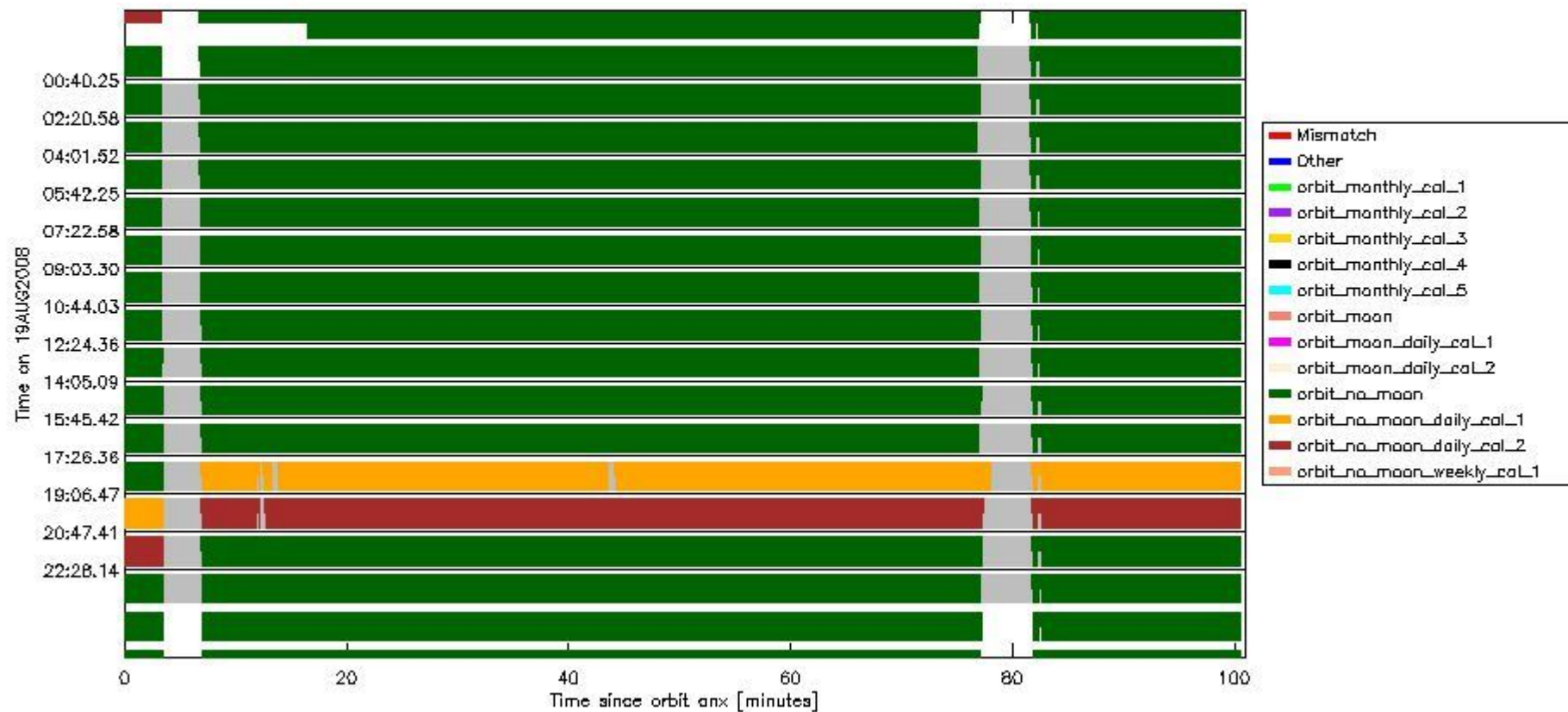


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080819_5.PNG

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 19AUG2008.
 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_20080819_6.PNG

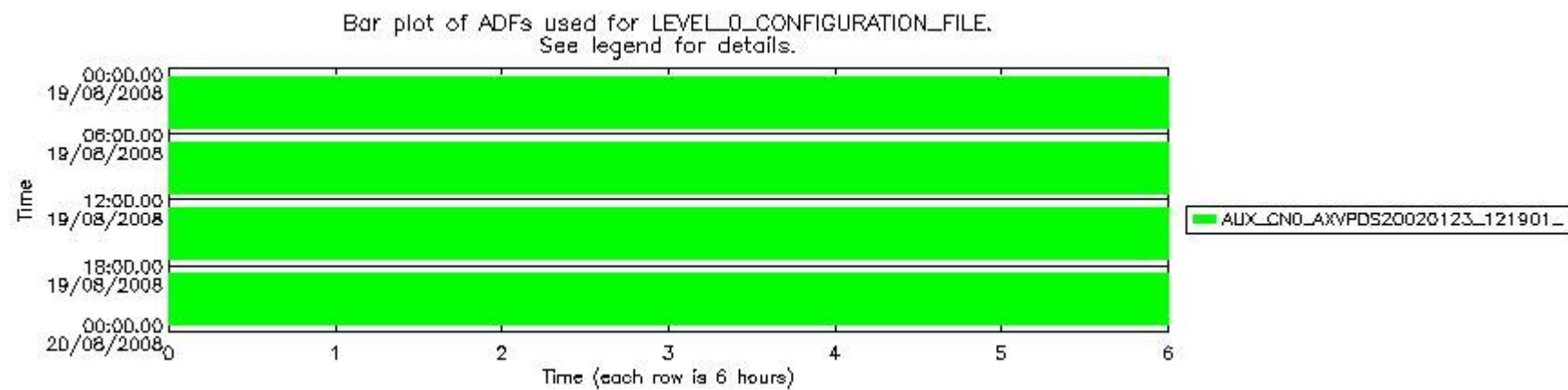
0.4 ADF monitoring

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

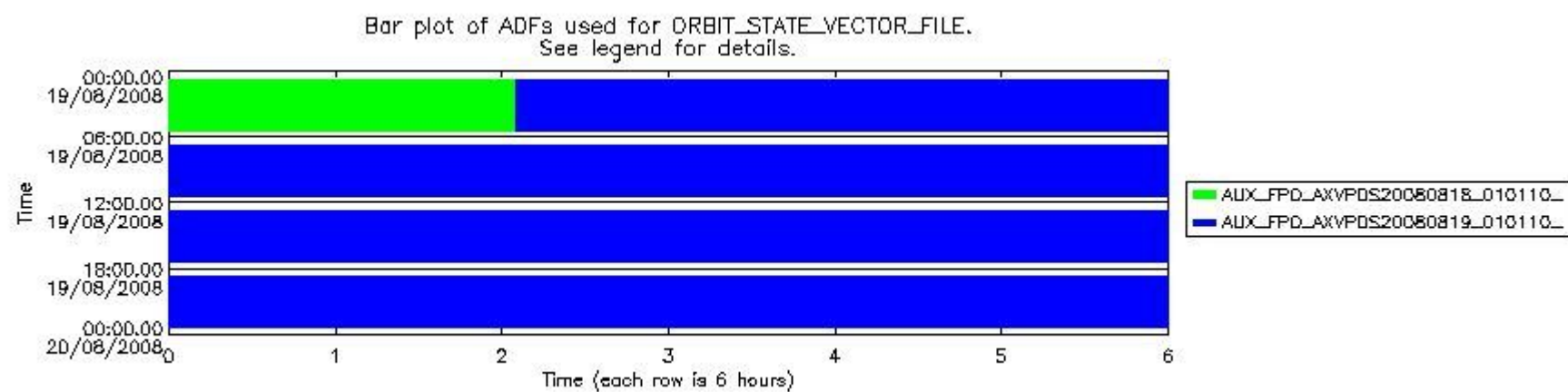
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

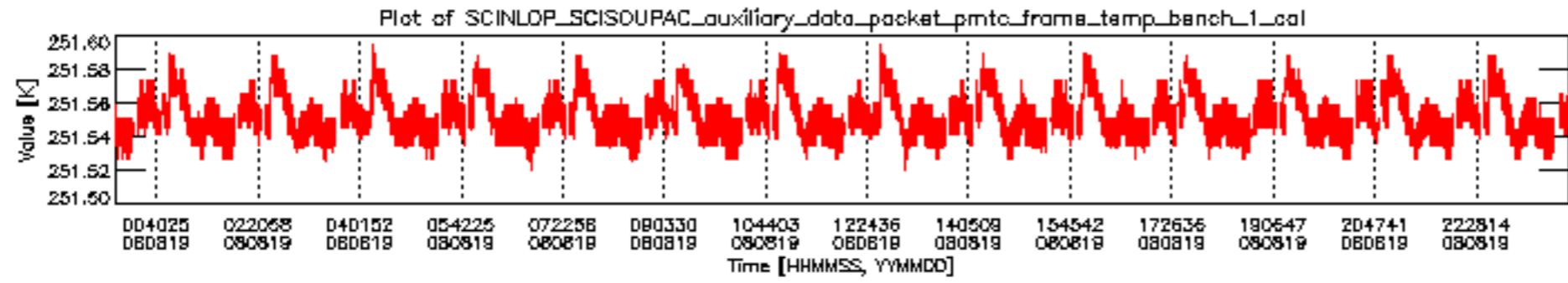
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080818_010110_20080817_182941_20080827_213629
2	AUX_FPO_AXVPDS20080819_010110_20080818_193840_20080828_210452

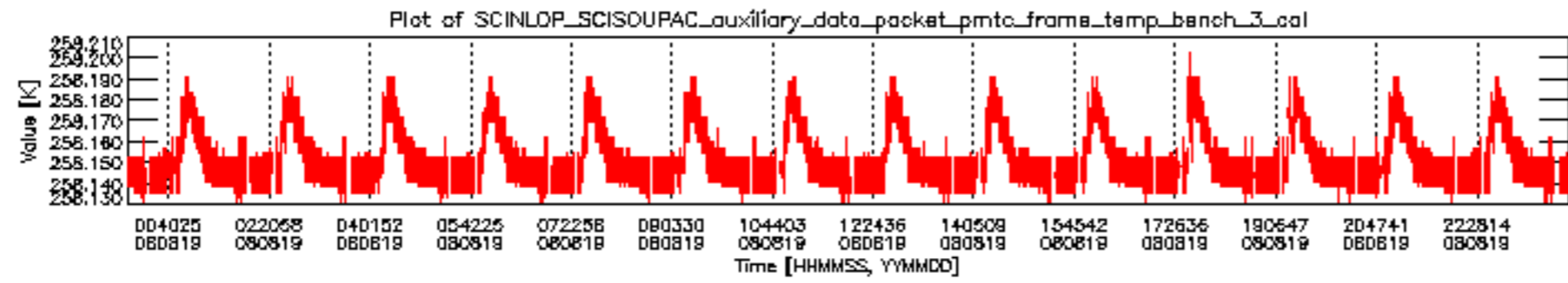


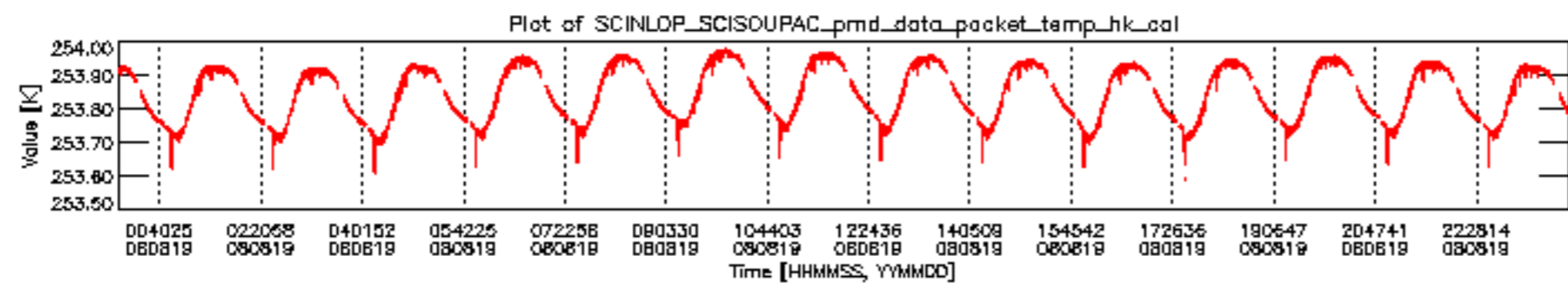
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080819_7.PNG

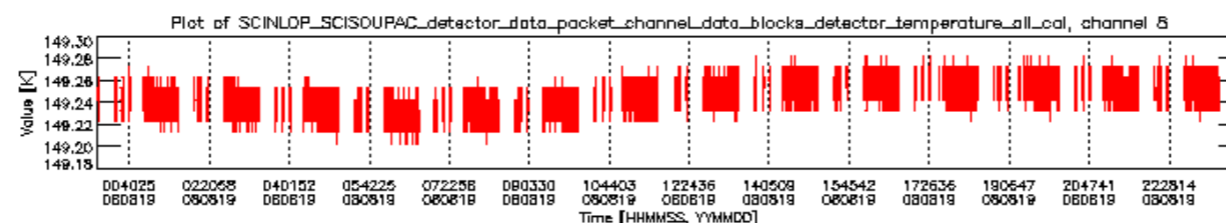
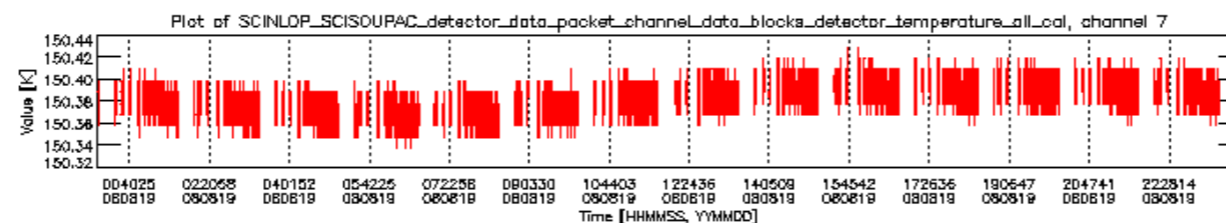
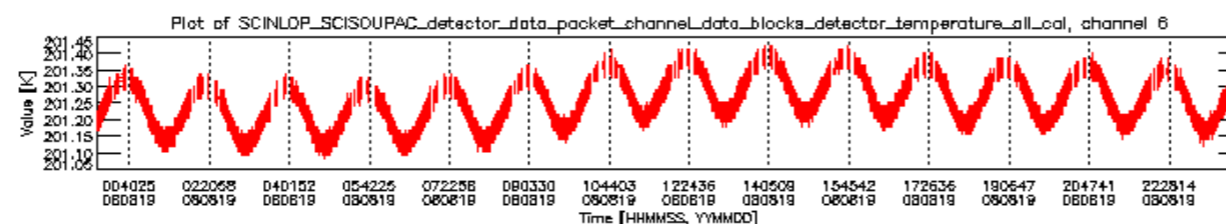
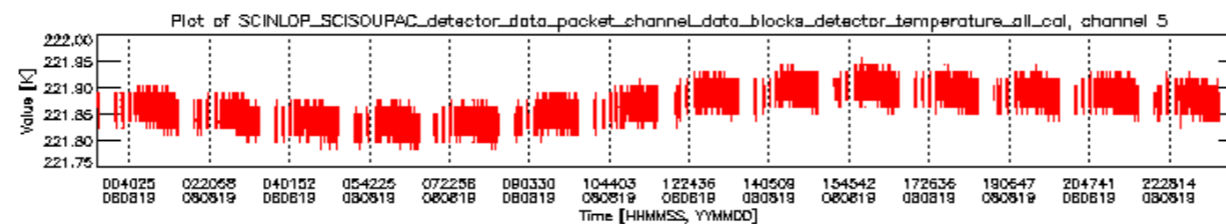
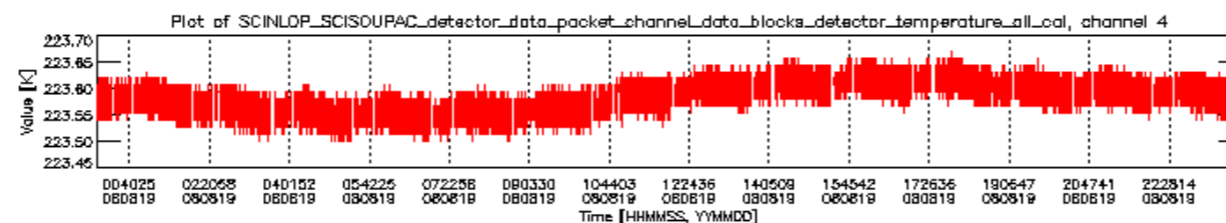
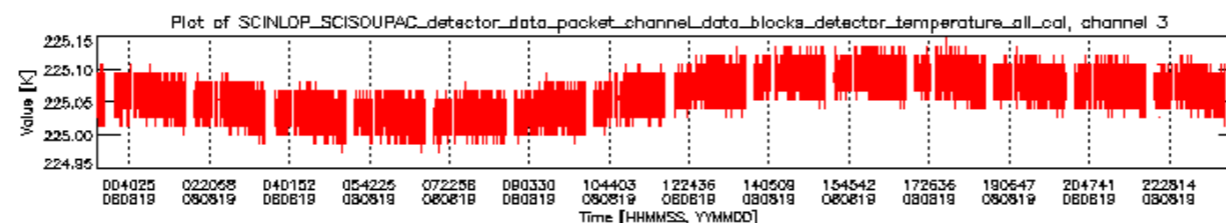
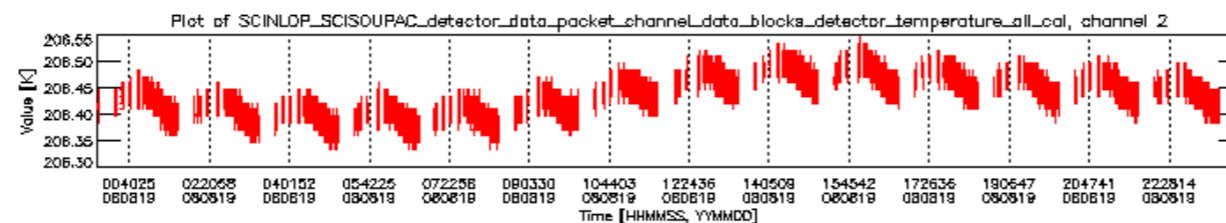
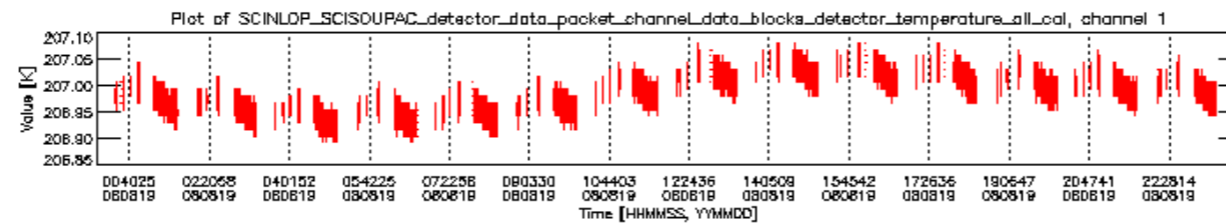


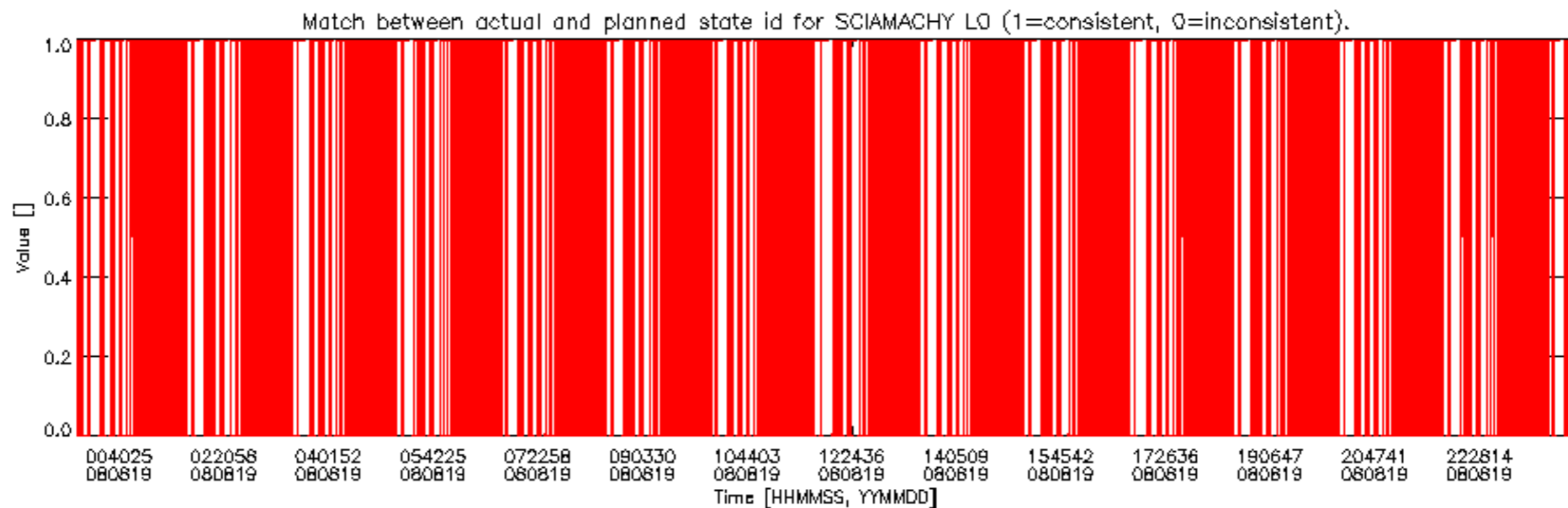
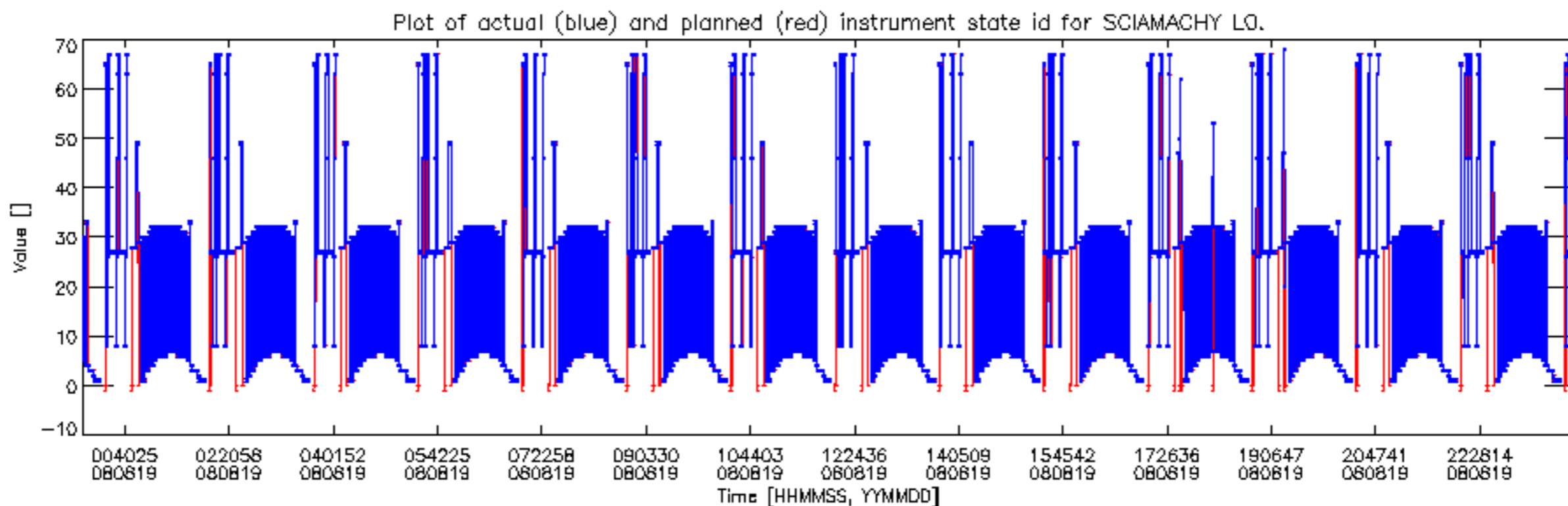
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080819_8.PNG











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