

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	19JUL2008 05:26:49
Data source version	KSPT_L0/4303-N
Processing scope for products	15JUL2008 00:00:00 to 16JUL2008 00:00:00
Start time of first product within scope	14JUL2008 22:46:40
Stop time of last product within scope	16JUL2008 01:36:19
Total number of level 0 products	16
Number of level 0 products with errors	1

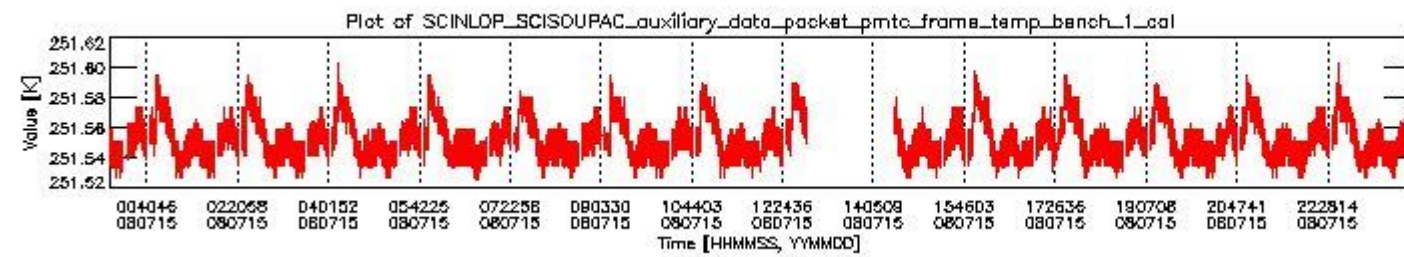
0.1.2 Summary per product

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

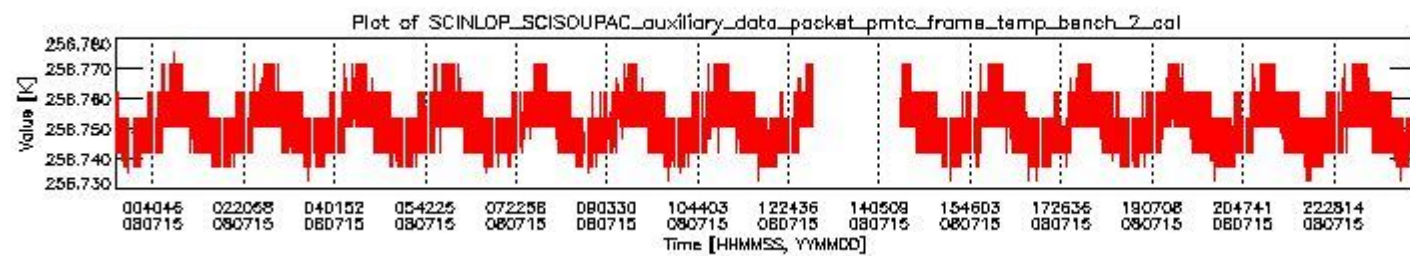
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080714_224640_000060882070_00201_33321_7107.N1	14JUL2008 22:46:40	15JUL2008 00:28:08	0	0	0	0	0
1	SCI_NL__OPNPDE20080715_002724_000058202070_00202_33322_7108.N1	15JUL2008 00:27:24	15JUL2008 02:04:25	0	0	0	0	0
2	SCI_NL__OPNPDE20080715_020304_000046712070_00203_33323_7109.N1	15JUL2008 02:03:04	15JUL2008 03:20:55	0	0	0	0	0
3	SCI_NL__OPNPDE20080715_031959_000061612070_00204_33324_7110.N1	15JUL2008 03:19:59	15JUL2008 05:02:40	0	0	0	0	0
4	SCI_NL__OPNPDE20080715_050144_000060242070_00205_33325_7111.N1	15JUL2008 05:01:44	15JUL2008 06:42:07	0	0	0	0	0
5	SCI_NL__OPNPDK20080715_064207_000041142070_00206_33326_8770.N1	15JUL2008 06:42:07	15JUL2008 07:50:41	0	0	0	0	0
6	SCI_NL__OPNPDK20080715_075041_000060922070_00207_33327_8771.N1	15JUL2008 07:50:41	15JUL2008 09:32:13	1	1	0	0	0
7	SCI_NL__OPNPDK20080715_093213_000059802070_00208_33328_8772.N1	15JUL2008 09:32:13	15JUL2008 11:11:53	0	0	0	0	0
8	SCI_NL__OPNPDK20080715_111045_000060362070_00209_33329_8773.N1	15JUL2008 11:10:45	15JUL2008 12:51:21	0	0	0	0	0
9	SCI_NL__OPNPDK20080715_142857_000058432070_00211_33331_8775.N1	15JUL2008 14:28:57	15JUL2008 16:06:20	0	0	0	0	0
10	SCI_NL__OPNPDK20080715_160620_000058722070_00212_33332_8776.N1	15JUL2008 16:06:20	15JUL2008 17:44:12	0	0	0	0	0
11	SCI_NL__OPNPDK20080715_174304_000059802070_00213_33333_8777.N1	15JUL2008 17:43:04	15JUL2008 19:22:44	0	0	0	0	0
12	SCI_NL__OPNPDK20080715_192135_000062122070_00214_33334_8778.N1	15JUL2008 19:21:35	15JUL2008 21:05:08	0	0	0	0	0
13	SCI_NL__OPNPDE20080715_210359_000042672070_00215_33335_7112.N1	15JUL2008 21:03:59	15JUL2008 22:15:06	0	0	0	0	0
14	SCI_NL__OPNPDE20080715_221506_000060882070_00215_33335_7113.N1	15JUL2008 22:15:06	15JUL2008 23:56:34	0	0	0	0	0
15	SCI_NL__OPNPDE20080715_235506_000060722070_00216_33336_7114.N1	15JUL2008 23:55:06	16JUL2008 01:36:19	0	0	0	0	0

0.2 Product Quality Indicators

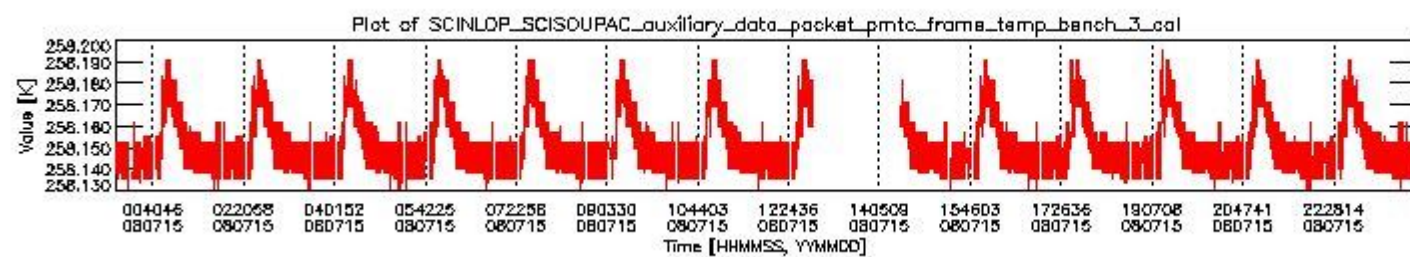
This section shows information about product quality, currently temperatures.



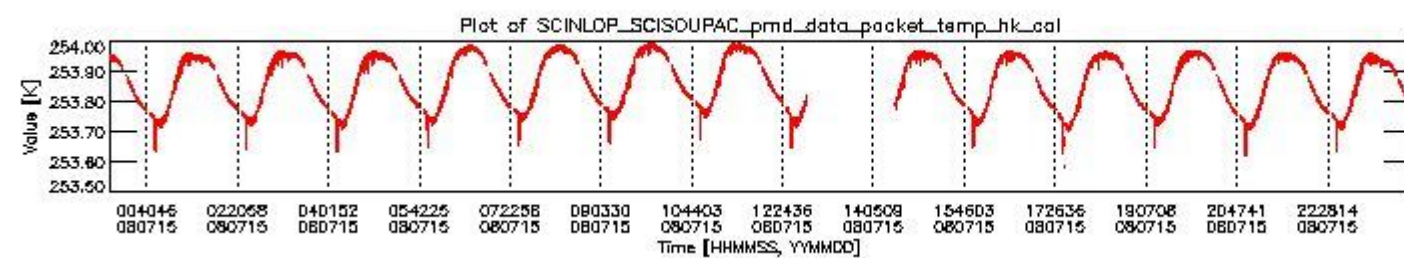
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080715_0.PNG



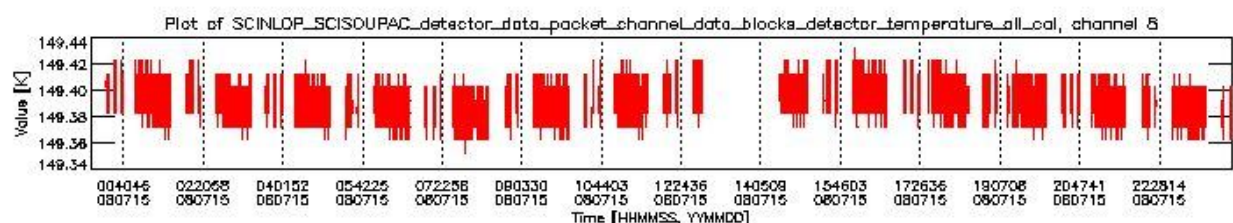
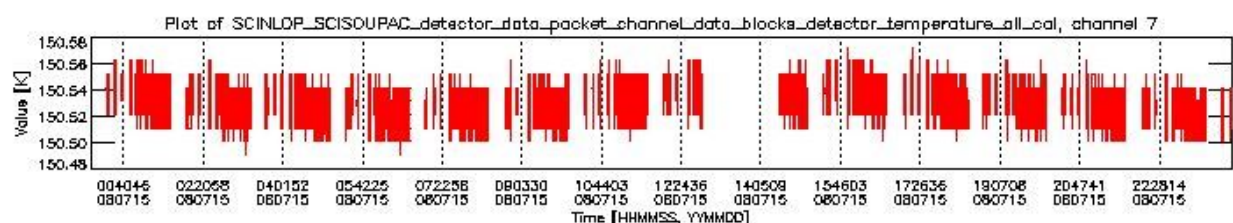
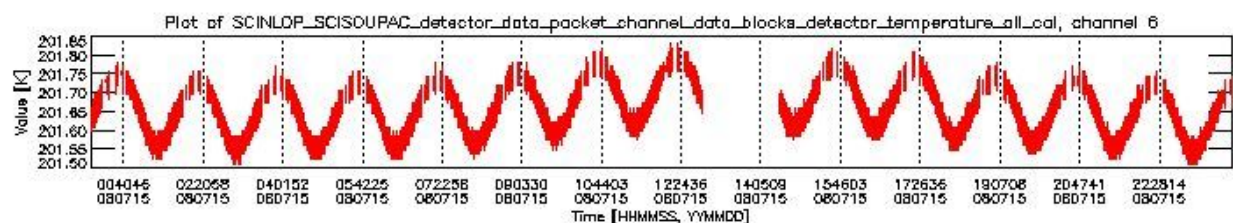
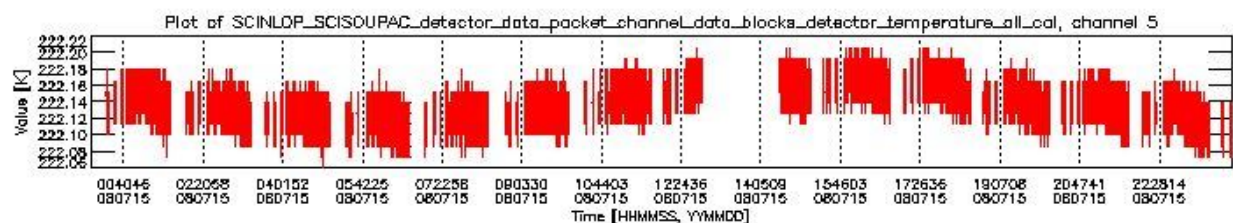
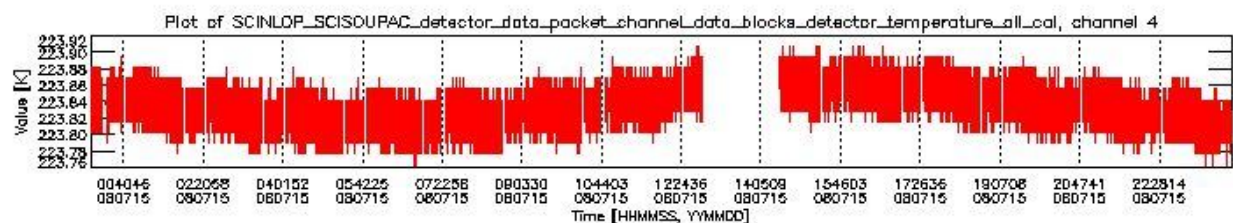
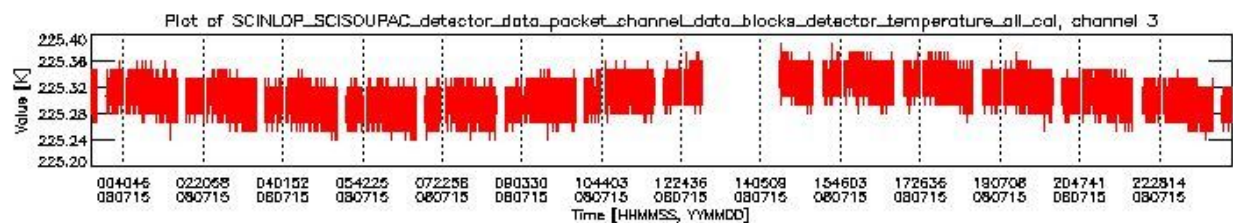
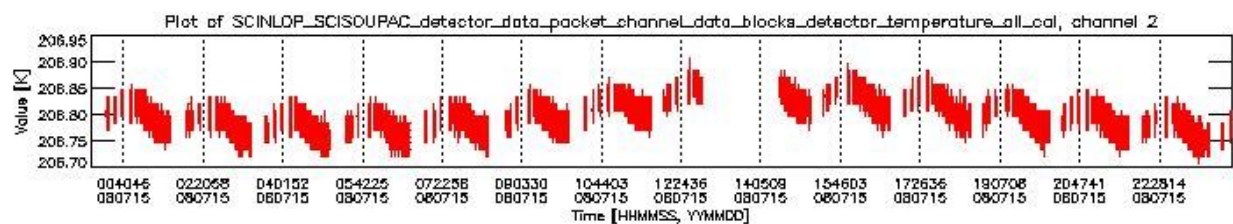
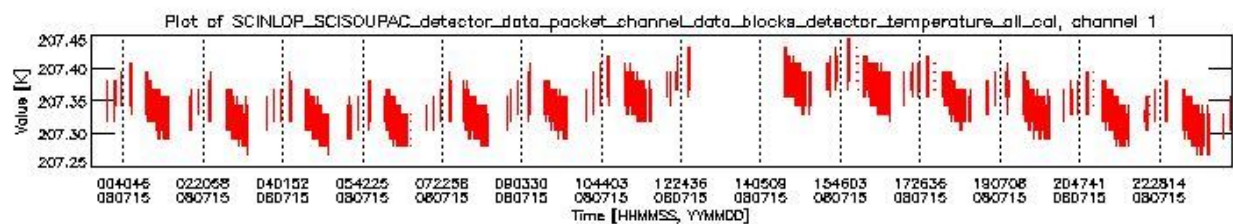
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080715_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080715_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080715_3.PNG

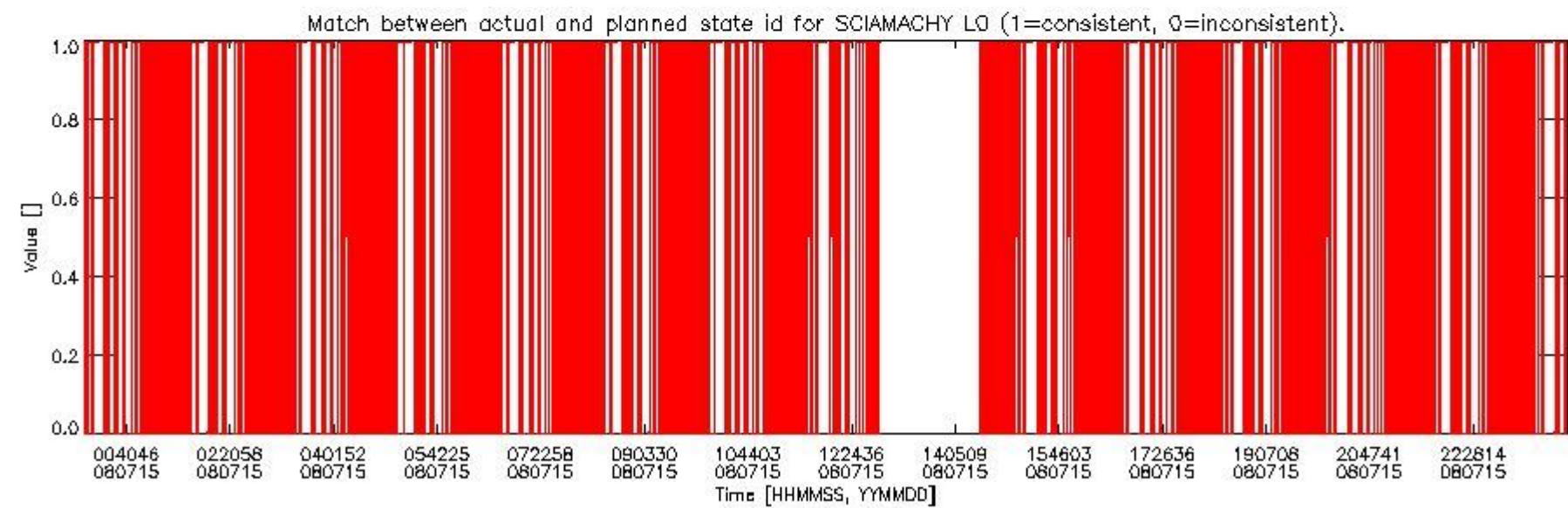
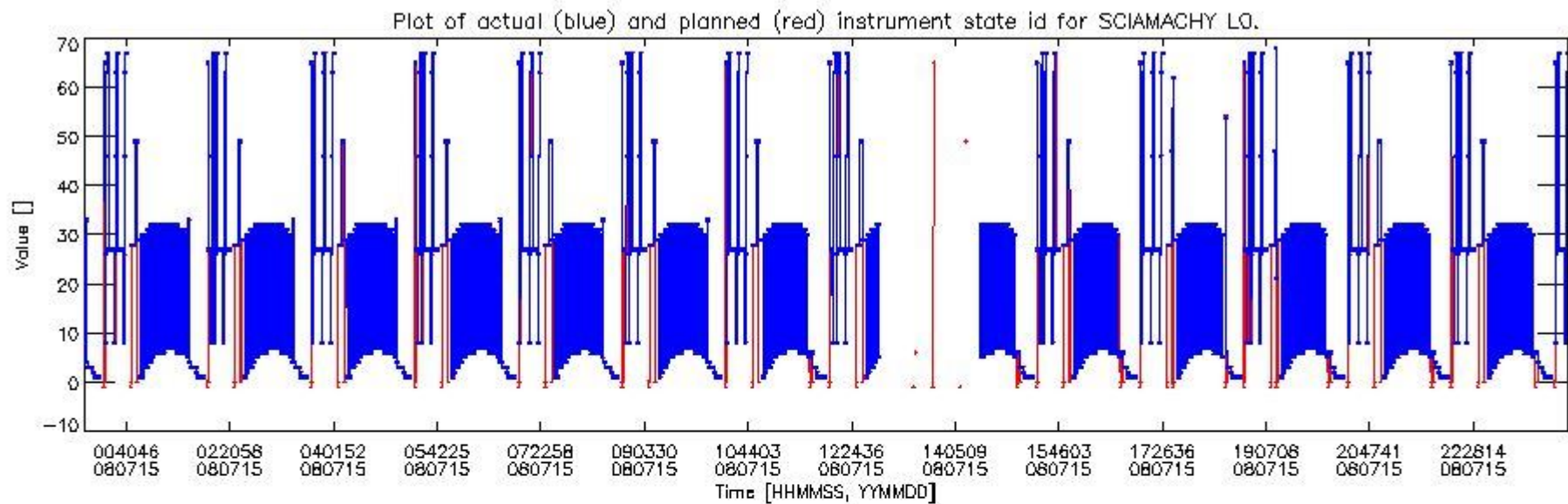


0.3 State monitoring

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: **27981**

#	Actual time	Actual value	Planned time	Planned value
0	15JUL2008 00:00:52.142988	33	15JUL2008 00:00:52.142988	4
1	15JUL2008 00:00:53.142983	33	15JUL2008 00:00:53.142983	4
2	15JUL2008 00:00:54.080495	33	15JUL2008 00:00:54.080495	4
3	15JUL2008 00:00:54.830481	33	15JUL2008 00:00:54.830481	4
4	15JUL2008 00:00:55.767994	33	15JUL2008 00:00:55.767994	4
5	15JUL2008 00:00:56.517980	33	15JUL2008 00:00:56.517980	4
6	15JUL2008 00:00:57.143001	33	15JUL2008 00:00:57.143001	4
7	15JUL2008 00:00:57.455492	33	15JUL2008 00:00:57.455492	4
8	15JUL2008 00:00:58.205478	33	15JUL2008 00:00:58.205478	4
9	15JUL2008 00:01:48.014099	4	15JUL2008 00:01:48.014099	33
10	15JUL2008 00:01:48.264068	4	15JUL2008 00:01:48.264068	33
11	15JUL2008 00:01:48.389072	4	15JUL2008 00:01:48.389072	33
12	15JUL2008 00:01:48.514076	4	15JUL2008 00:01:48.514076	33
13	15JUL2008 00:01:48.639081	4	15JUL2008 00:01:48.639081	33
14	15JUL2008 00:01:48.764085	4	15JUL2008 00:01:48.764085	33
15	15JUL2008 00:01:48.889090	4	15JUL2008 00:01:48.889090	33
16	15JUL2008 00:01:49.014094	4	15JUL2008 00:01:49.014094	33
17	15JUL2008 00:01:49.139098	4	15JUL2008 00:01:49.139098	33
18	15JUL2008 00:01:49.264103	4	15JUL2008 00:01:49.264103	33
19	15JUL2008 00:01:49.389107	4	15JUL2008 00:01:49.389107	33
...

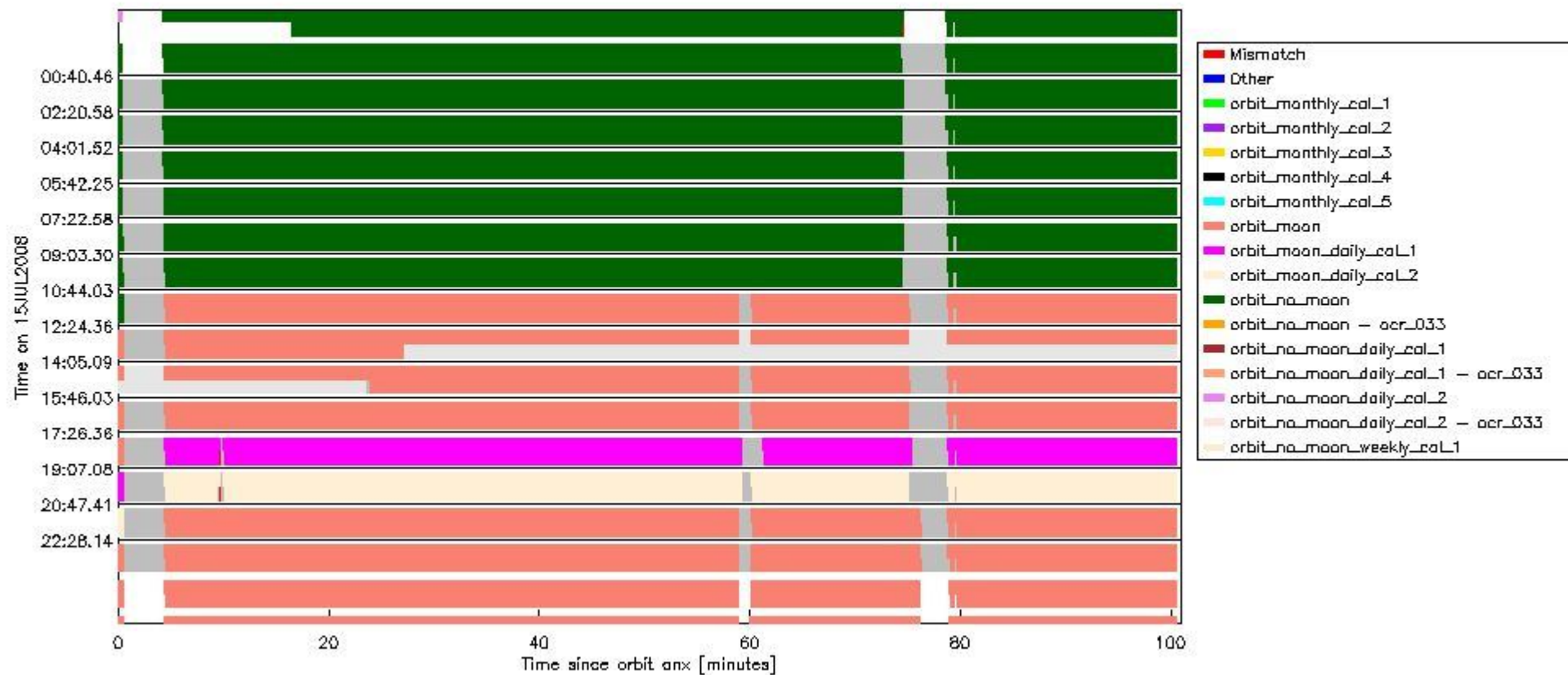


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080715_5.PNG

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 15JUL2008.
 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_20080715_6.PNG

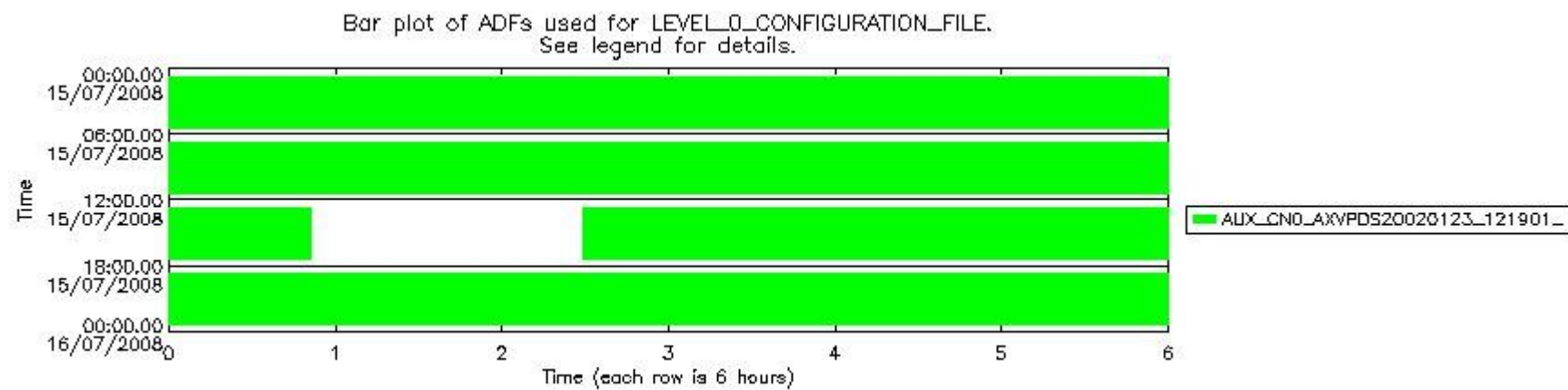
0.4 ADF monitoring

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

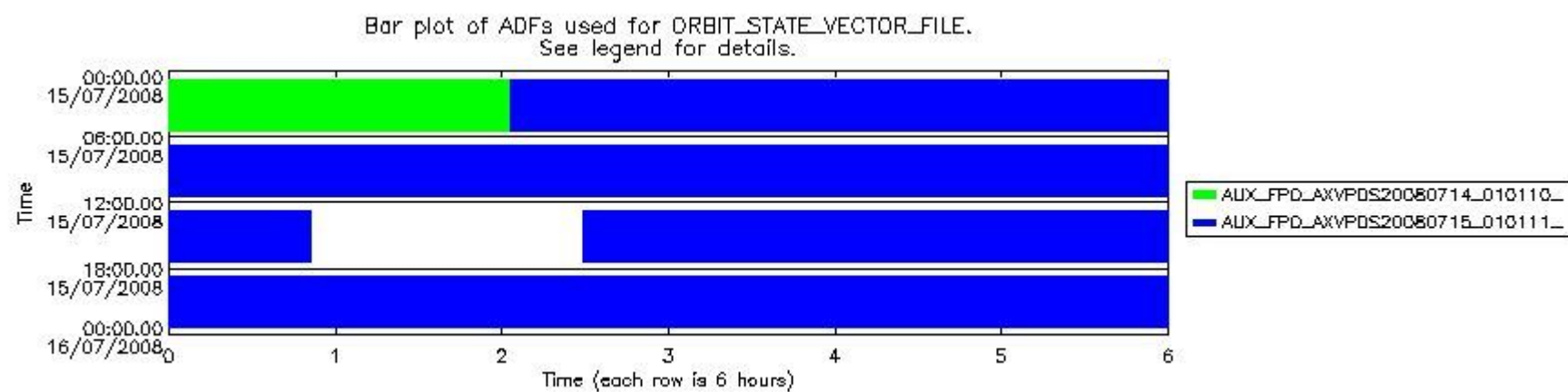
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

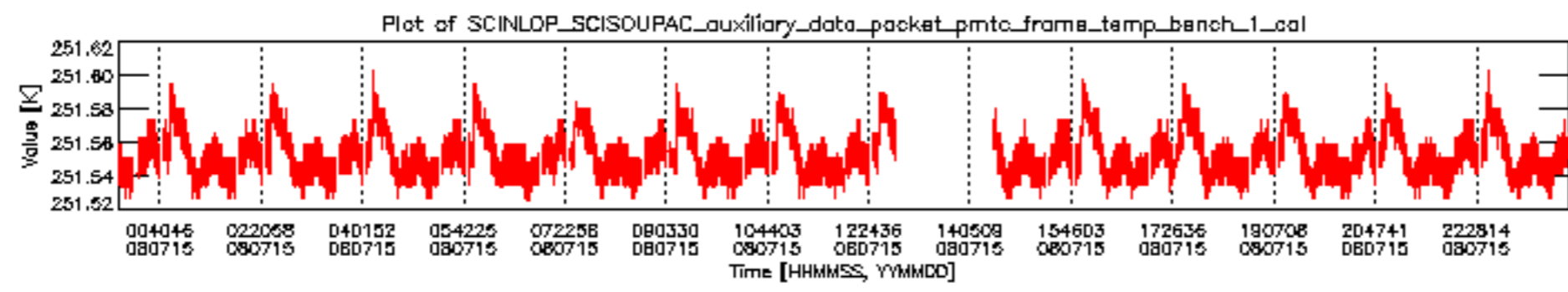
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080714_010110_20080713_182943_20080723_213632
2	AUX_FPO_AXVPDS20080715_010111_20080714_193842_20080724_210455

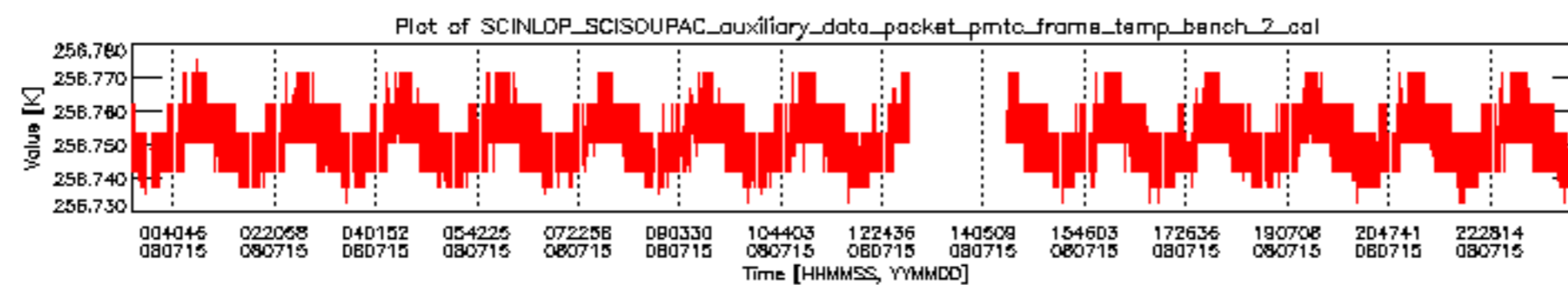


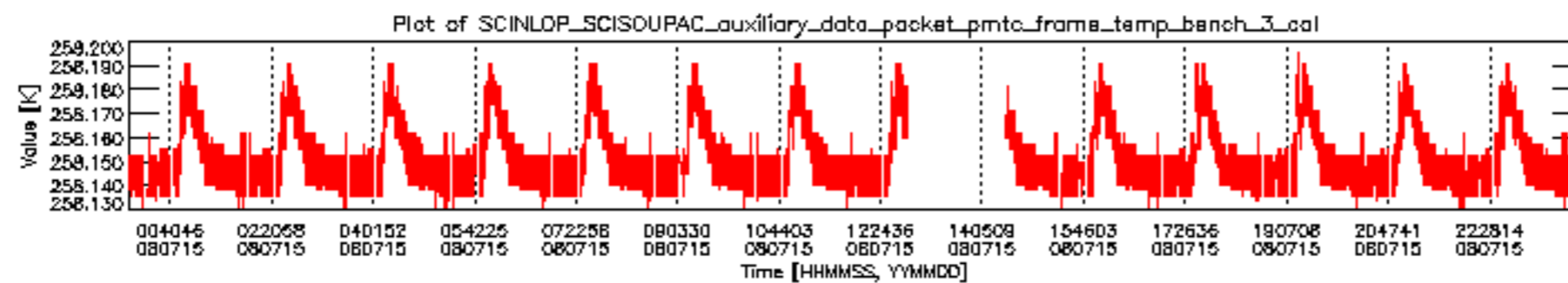
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080715_7.PNG

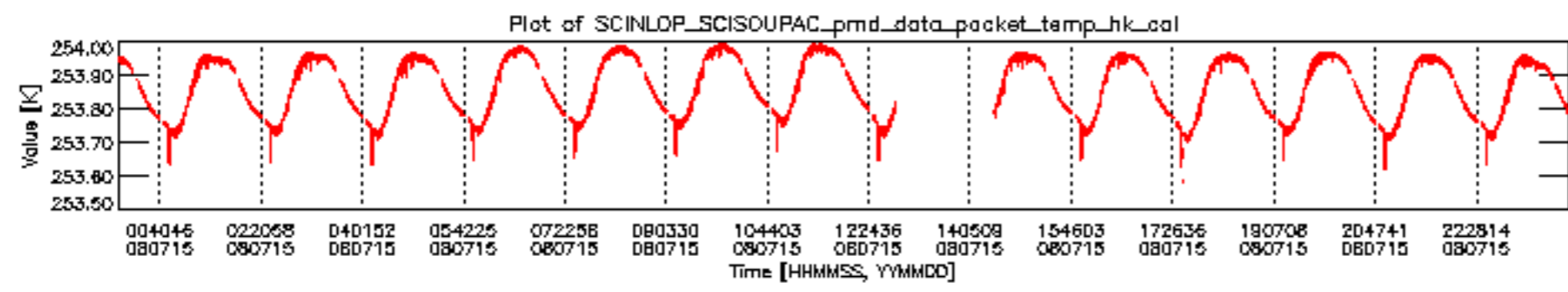


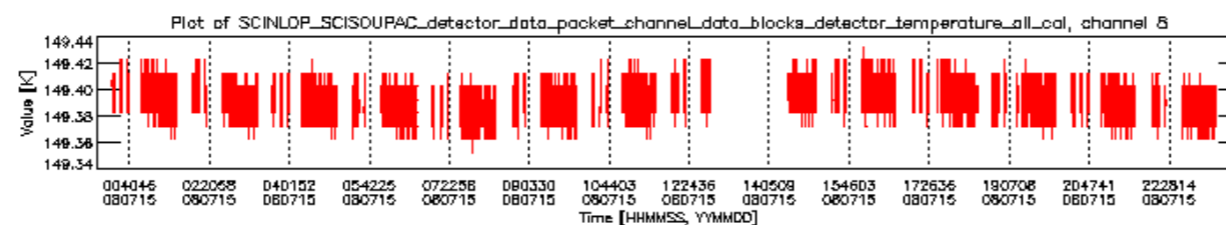
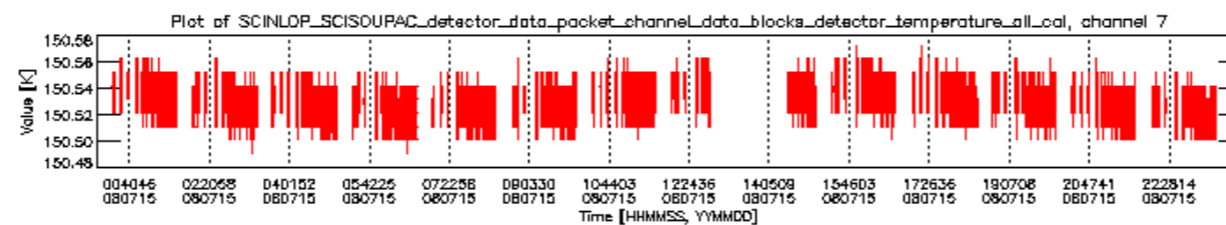
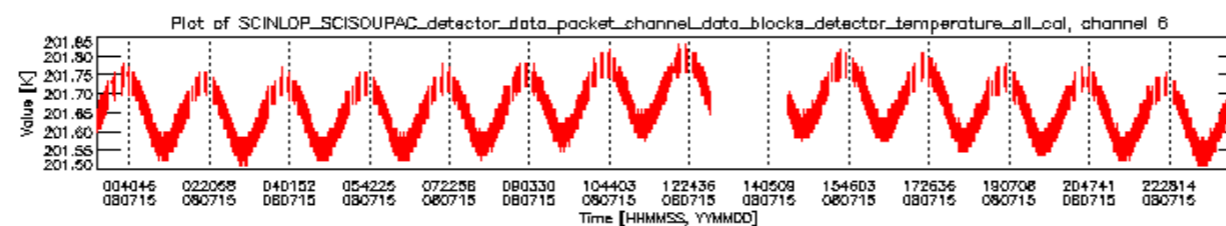
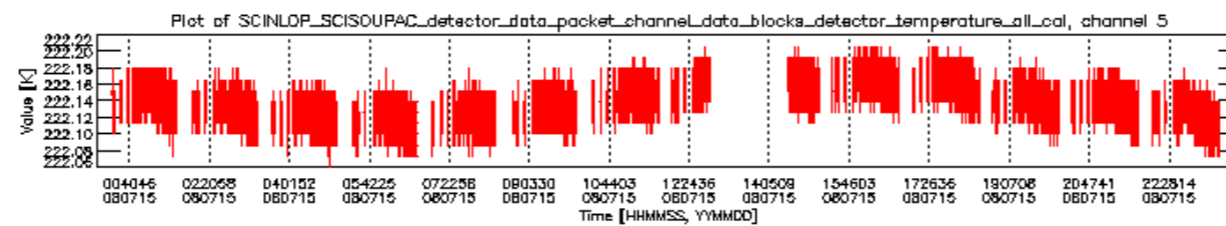
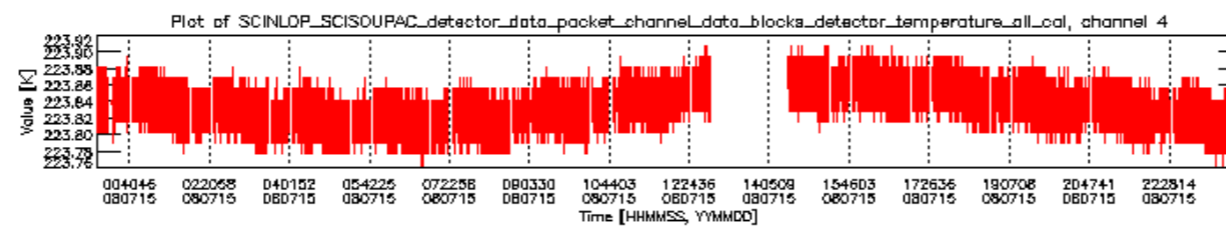
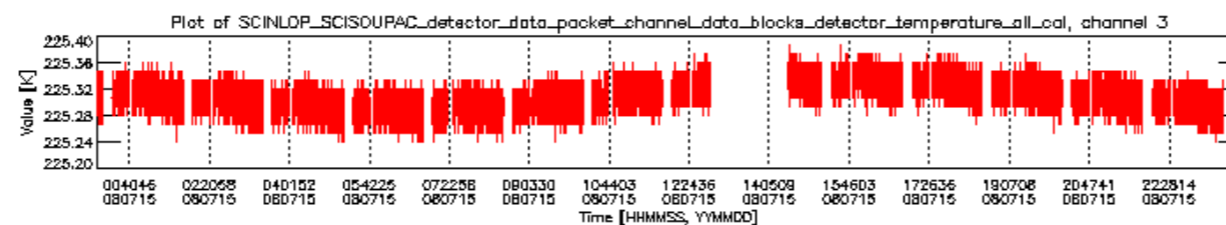
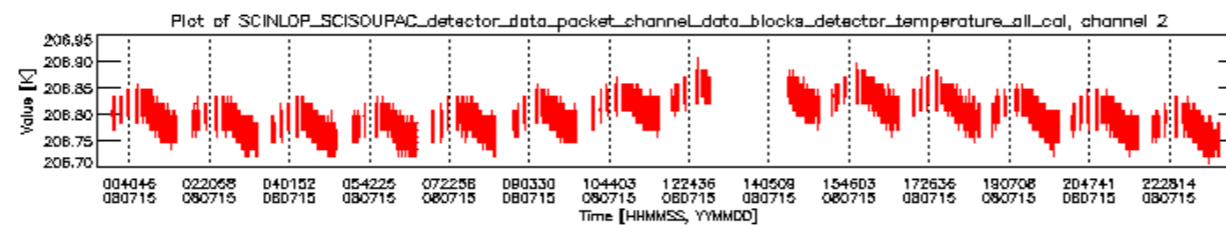
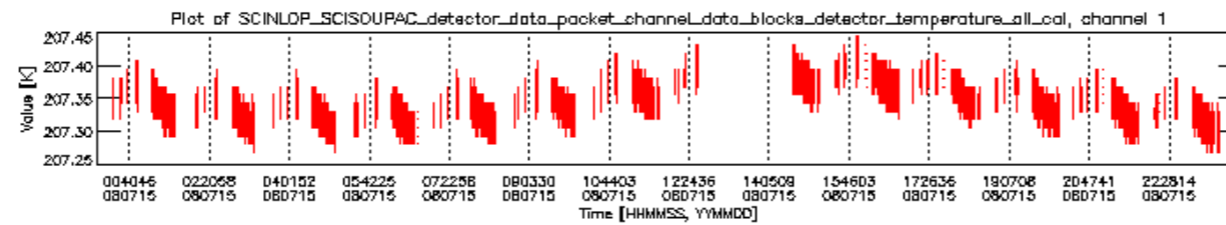
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080715_8.PNG

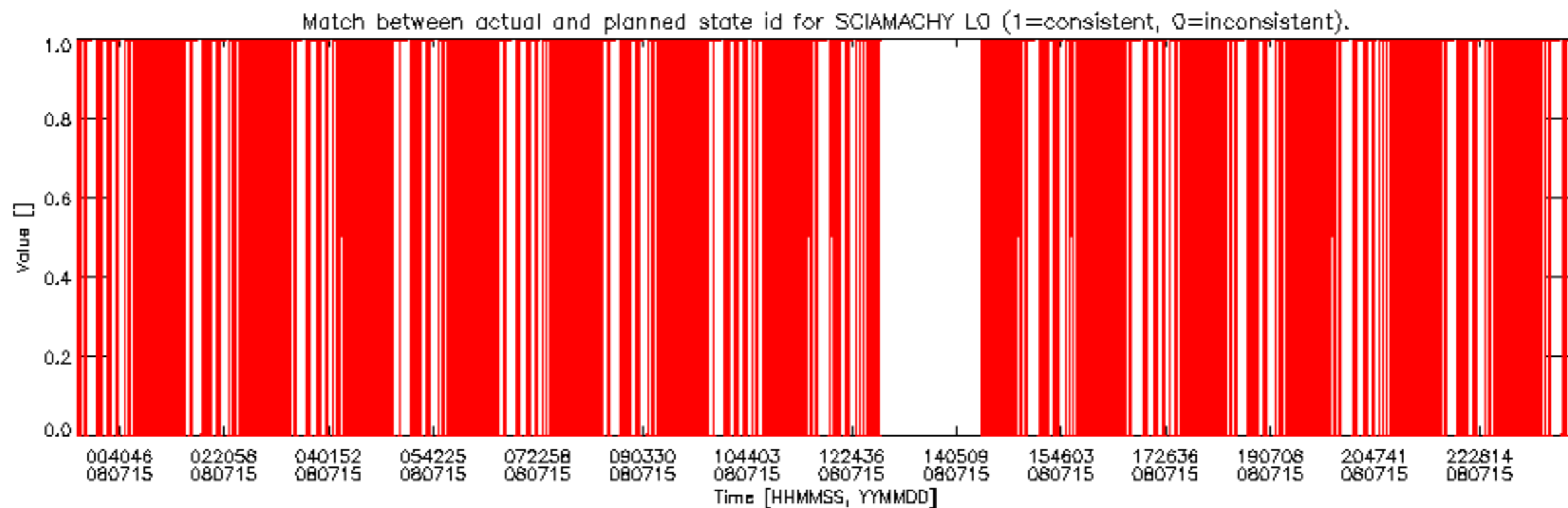
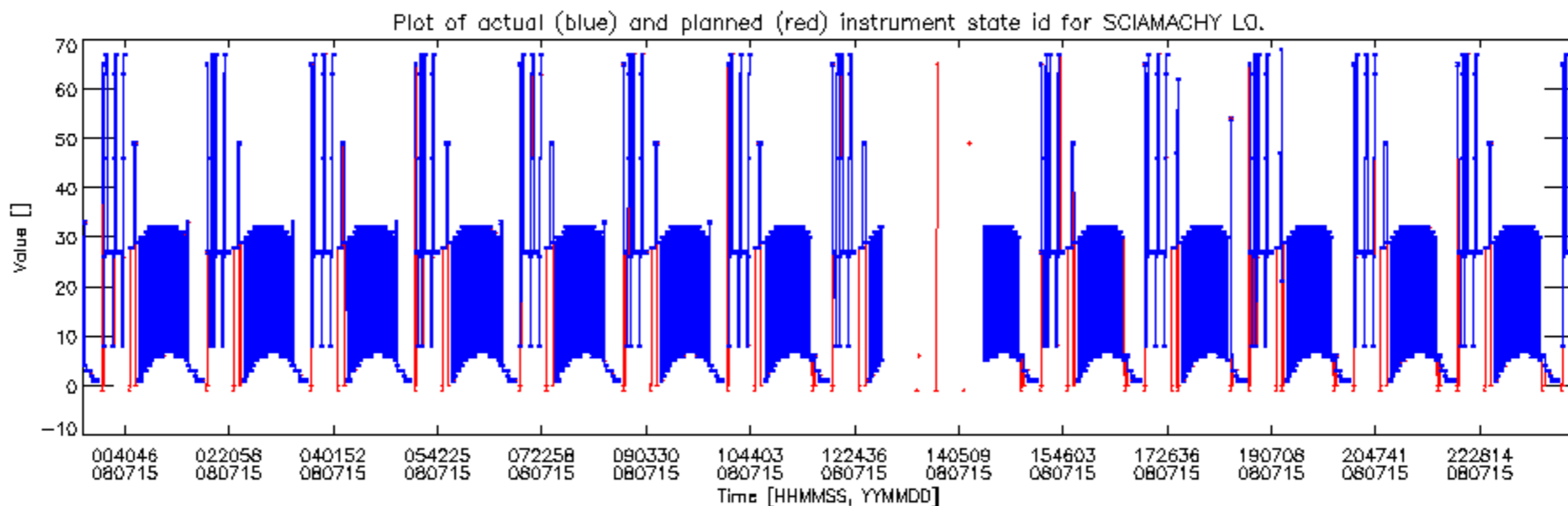












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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