

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	25MAR2010 14:34:14
Data source version	KSPT_L0/4303-N
Processing scope for products	21MAR2010 00:00:00 to 22MAR2010 00:00:00
Start time of first product within scope	20MAR2010 22:50:19
Stop time of last product within scope	22MAR2010 01:38:16
Total number of Level 0 products	17
Number of Level 0 products with errors	0

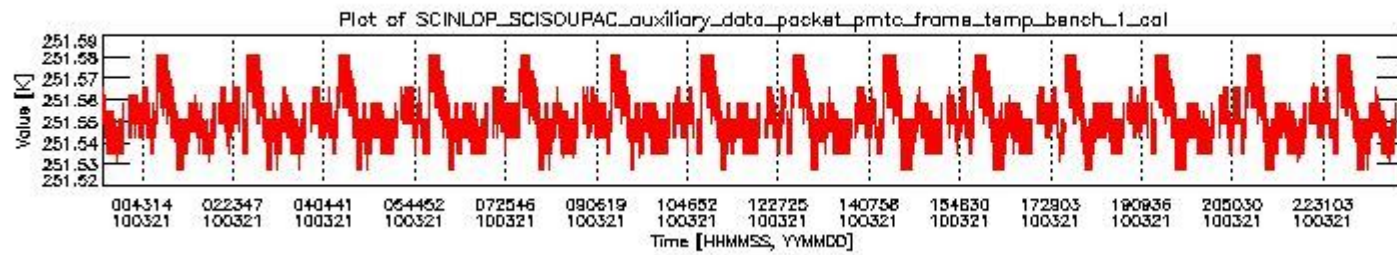
0.1.2 Summary per product

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

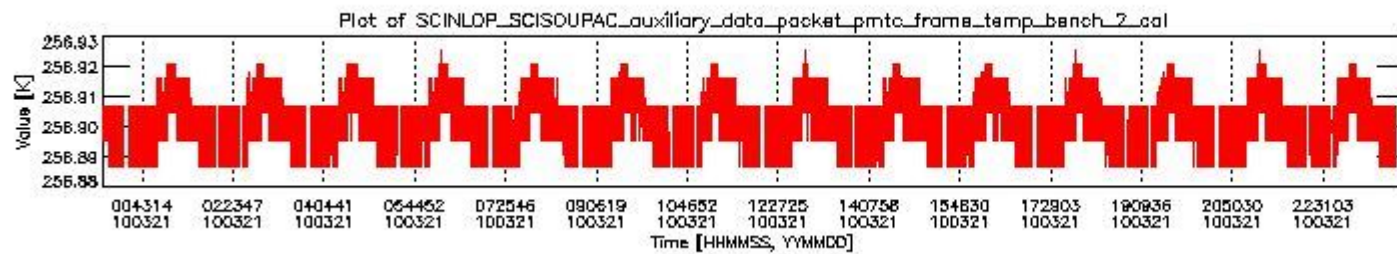
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100320_225019_000060712087_00473_42110_1116.N1	20MAR2010 22:50:19	21MAR2010 00:31:30	0	0	0	0	0
1	SCI_NL__OPNPDE20100321_003056_000059012087_00474_42111_1117.N1	21MAR2010 00:30:56	21MAR2010 02:09:17	0	0	0	0	0
2	SCI_NL__OPNPDE20100321_020917_000044432087_00475_42112_1118.N1	21MAR2010 02:09:17	21MAR2010 03:23:20	0	0	0	0	0
3	SCI_NL__OPNPDE20100321_032224_000061602087_00476_42113_1119.N1	21MAR2010 03:22:24	21MAR2010 05:05:04	0	0	0	0	0
4	SCI_NL__OPNPDE20100321_050408_000061472087_00477_42114_1120.N1	21MAR2010 05:04:08	21MAR2010 06:46:36	0	0	0	0	0
5	SCI_NL__OPNPDK20100321_064540_000041132087_00478_42115_4392.N1	21MAR2010 06:45:40	21MAR2010 07:54:13	0	0	0	0	0
6	SCI_NL__OPNPDK20100321_075304_000060912087_00479_42116_4393.N1	21MAR2010 07:53:04	21MAR2010 09:34:36	0	0	0	0	0
7	SCI_NL__OPNPDK20100321_093436_000059802087_00480_42117_4394.N1	21MAR2010 09:34:36	21MAR2010 11:14:15	0	0	0	0	0
8	SCI_NL__OPNPDK20100321_111415_000059672087_00481_42118_4395.N1	21MAR2010 11:14:15	21MAR2010 12:53:42	0	0	0	0	0
9	SCI_NL__OPNPDK20100321_125342_000059242087_00482_42119_4396.N1	21MAR2010 12:53:42	21MAR2010 14:32:26	0	0	0	0	0
10	SCI_NL__OPNPDK20100321_143117_000059112087_00483_42120_4397.N1	21MAR2010 14:31:17	21MAR2010 16:09:48	0	0	0	0	0
11	SCI_NL__OPNPDK20100321_160840_000058922087_00484_42121_4398.N1	21MAR2010 16:08:40	21MAR2010 17:46:52	0	0	0	0	0
12	SCI_NL__OPNPDK20100321_174556_000060912087_00485_42122_4399.N1	21MAR2010 17:45:56	21MAR2010 19:27:27	0	0	0	0	0
13	SCI_NL__OPNPDK20100321_192631_000060122087_00486_42123_4400.N1	21MAR2010 19:26:31	21MAR2010 21:06:43	0	0	0	0	0
14	SCI_NL__OPNPDE20100321_210425_000044932087_00487_42124_1121.N1	21MAR2010 21:04:25	21MAR2010 22:19:18	0	0	0	0	0
15	SCI_NL__OPNPDE20100321_221833_000060712087_00487_42124_1122.N1	21MAR2010 22:18:33	21MAR2010 23:59:45	0	0	0	0	0
16	SCI_NL__OPNPDE20100321_235911_000059452087_00488_42125_1123.N1	21MAR2010 23:59:11	22MAR2010 01:38:16	0	0	0	0	0

0.2 Product Quality Indicators

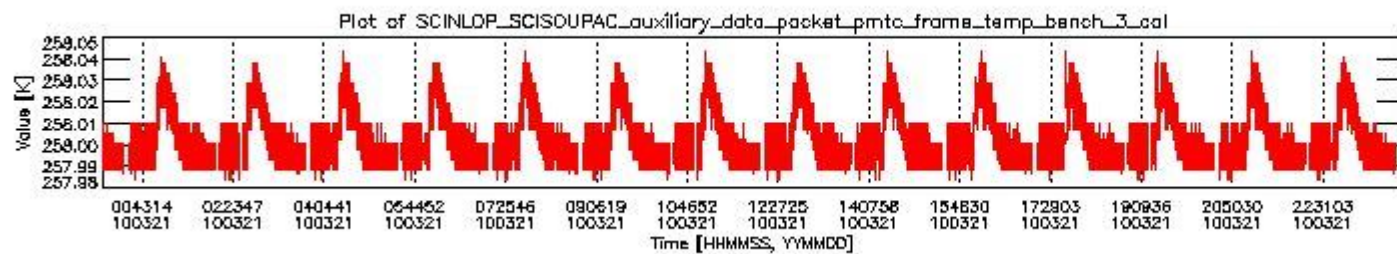
This section shows information about product quality, currently temperatures.



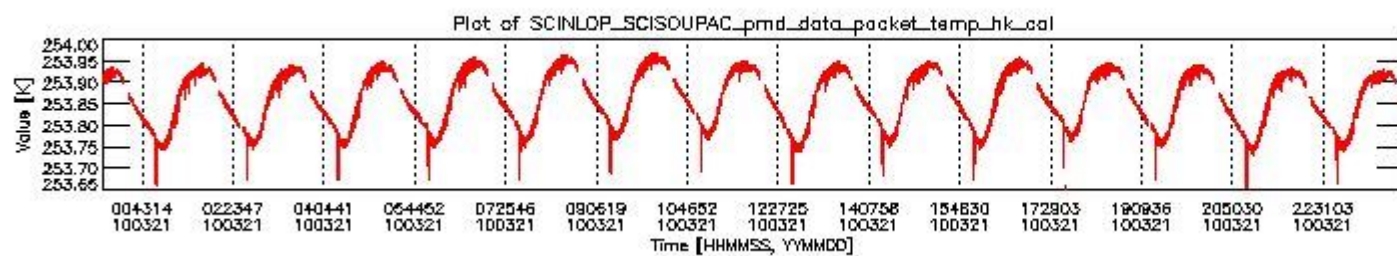
sciamachy_daily_report_level0_KSPT_L0_4303_N_20100321_0.PNG



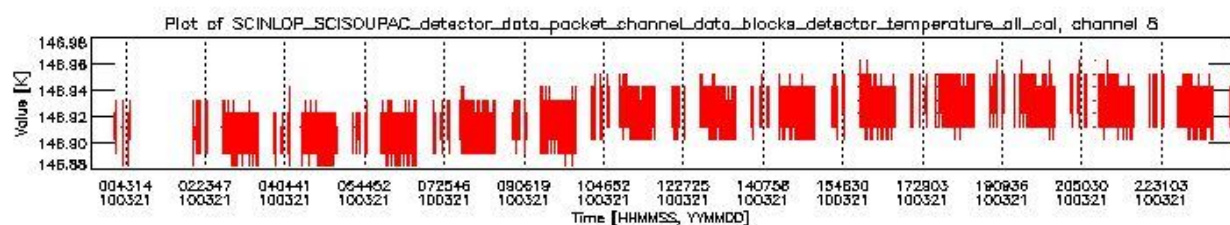
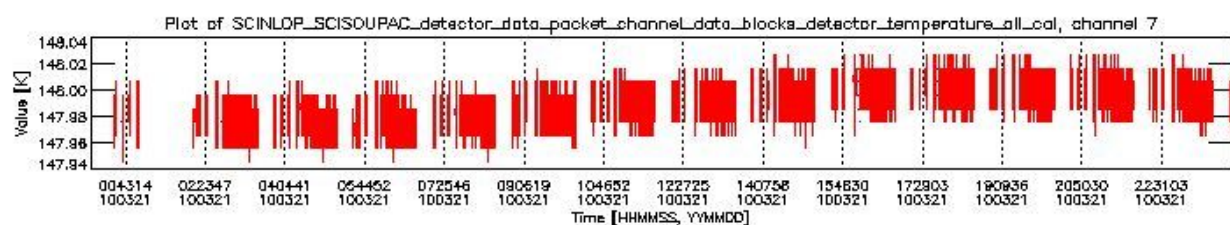
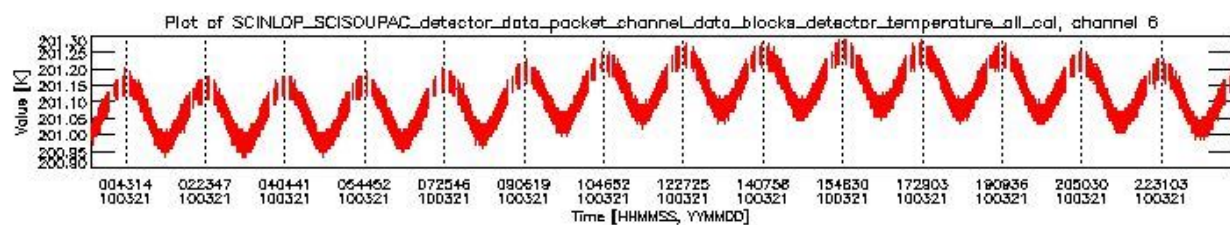
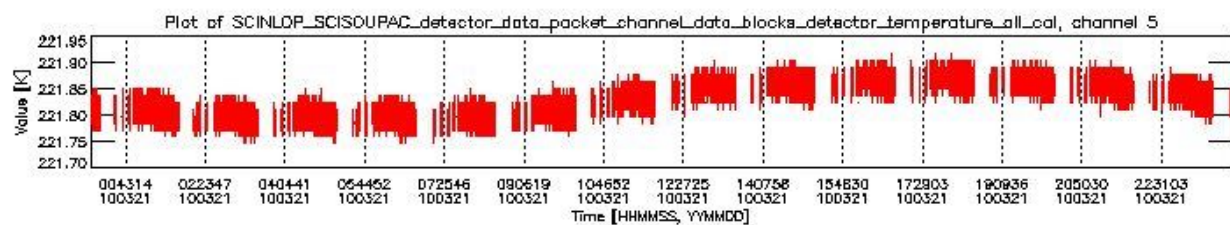
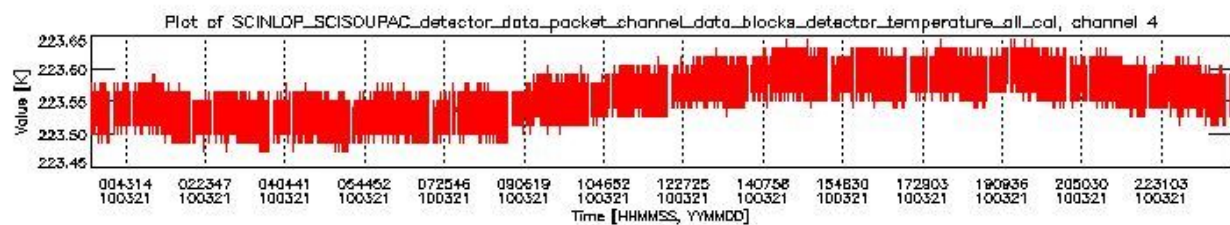
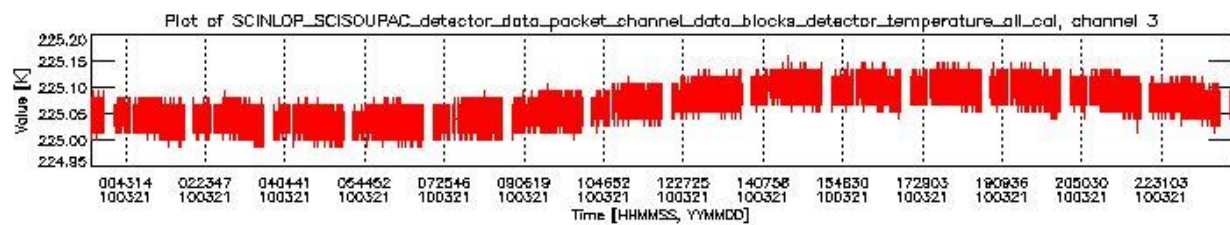
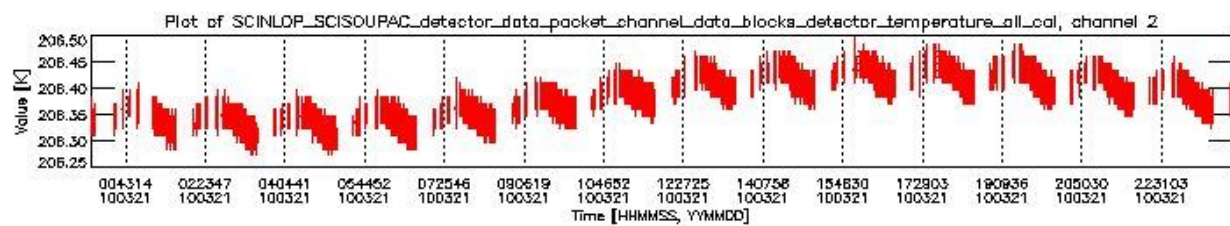
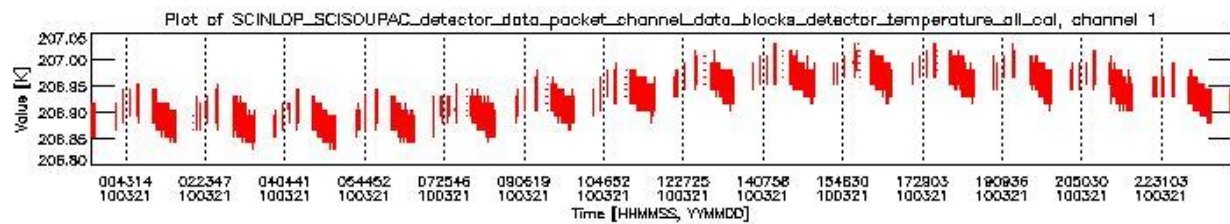
sciamachy_daily_report_level0_KSPT_L0_4303_N_20100321_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20100321_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20100321_3.PNG

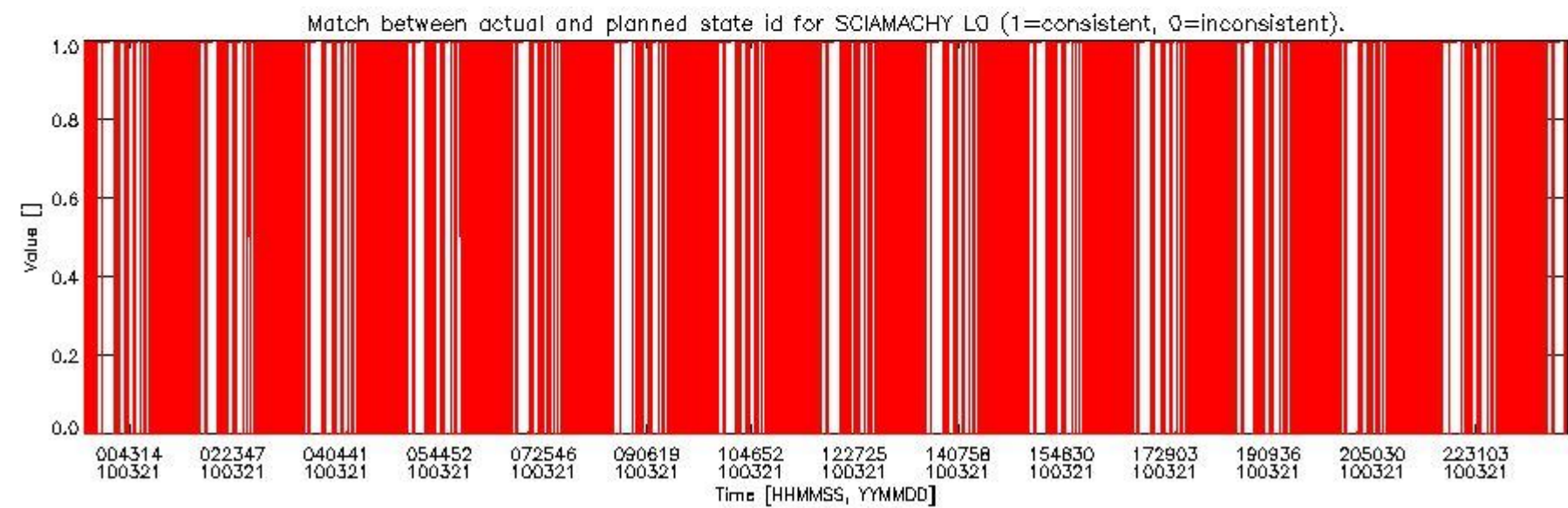
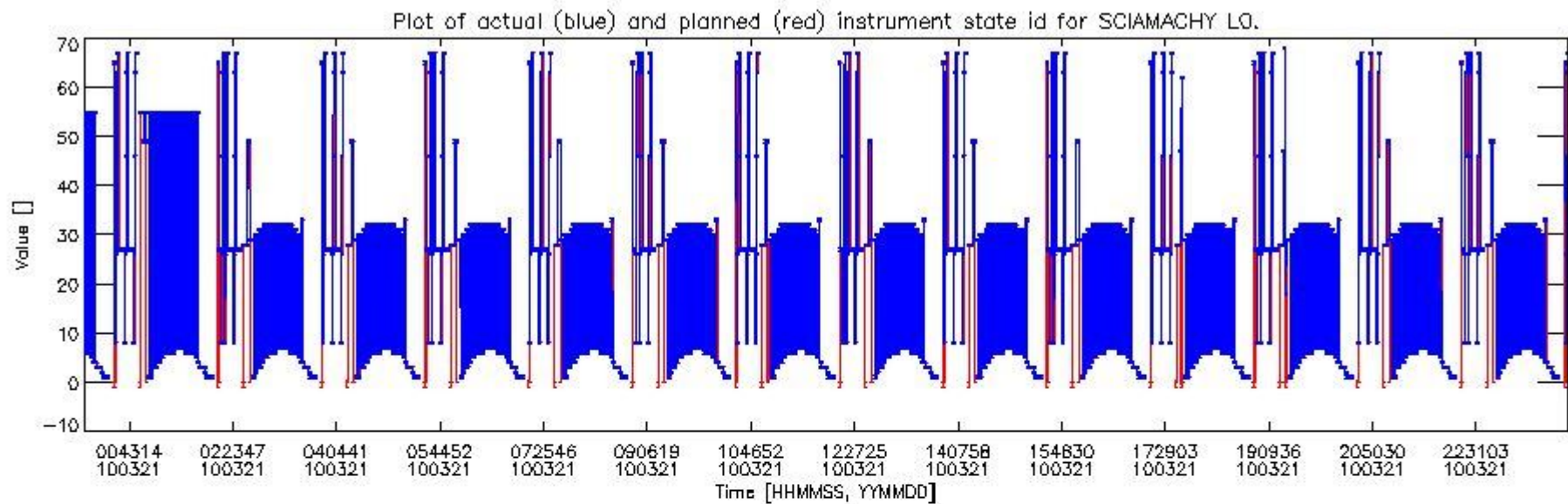


0.3 State monitoring

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: **73427**

#	Actual time	Actual value	Planned time	Planned value
0	21MAR2010 00:00:05.260857	6	21MAR2010 00:00:05.260857	55
1	21MAR2010 00:00:05.635857	6	21MAR2010 00:00:05.635857	55
2	21MAR2010 00:00:05.885857	6	21MAR2010 00:00:05.885857	55
3	21MAR2010 00:00:06.135857	6	21MAR2010 00:00:06.135857	55
4	21MAR2010 00:00:06.385857	6	21MAR2010 00:00:06.385857	55
5	21MAR2010 00:00:06.635857	6	21MAR2010 00:00:06.635857	55
6	21MAR2010 00:00:06.885857	6	21MAR2010 00:00:06.885857	55
7	21MAR2010 00:00:07.135857	6	21MAR2010 00:00:07.135857	55
8	21MAR2010 00:00:07.385857	6	21MAR2010 00:00:07.385857	55
9	21MAR2010 00:00:07.635857	6	21MAR2010 00:00:07.635857	55
10	21MAR2010 00:00:07.885857	6	21MAR2010 00:00:07.885857	55
11	21MAR2010 00:00:08.135857	6	21MAR2010 00:00:08.135857	55
12	21MAR2010 00:00:08.385857	6	21MAR2010 00:00:08.385857	55
13	21MAR2010 00:00:08.635857	6	21MAR2010 00:00:08.635857	55
14	21MAR2010 00:00:08.885857	6	21MAR2010 00:00:08.885857	55
15	21MAR2010 00:00:09.135857	6	21MAR2010 00:00:09.135857	55
16	21MAR2010 00:00:09.385857	6	21MAR2010 00:00:09.385857	55
17	21MAR2010 00:00:09.635857	6	21MAR2010 00:00:09.635857	55
18	21MAR2010 00:00:09.885857	6	21MAR2010 00:00:09.885857	55
19	21MAR2010 00:00:10.135857	6	21MAR2010 00:00:10.135857	55
...

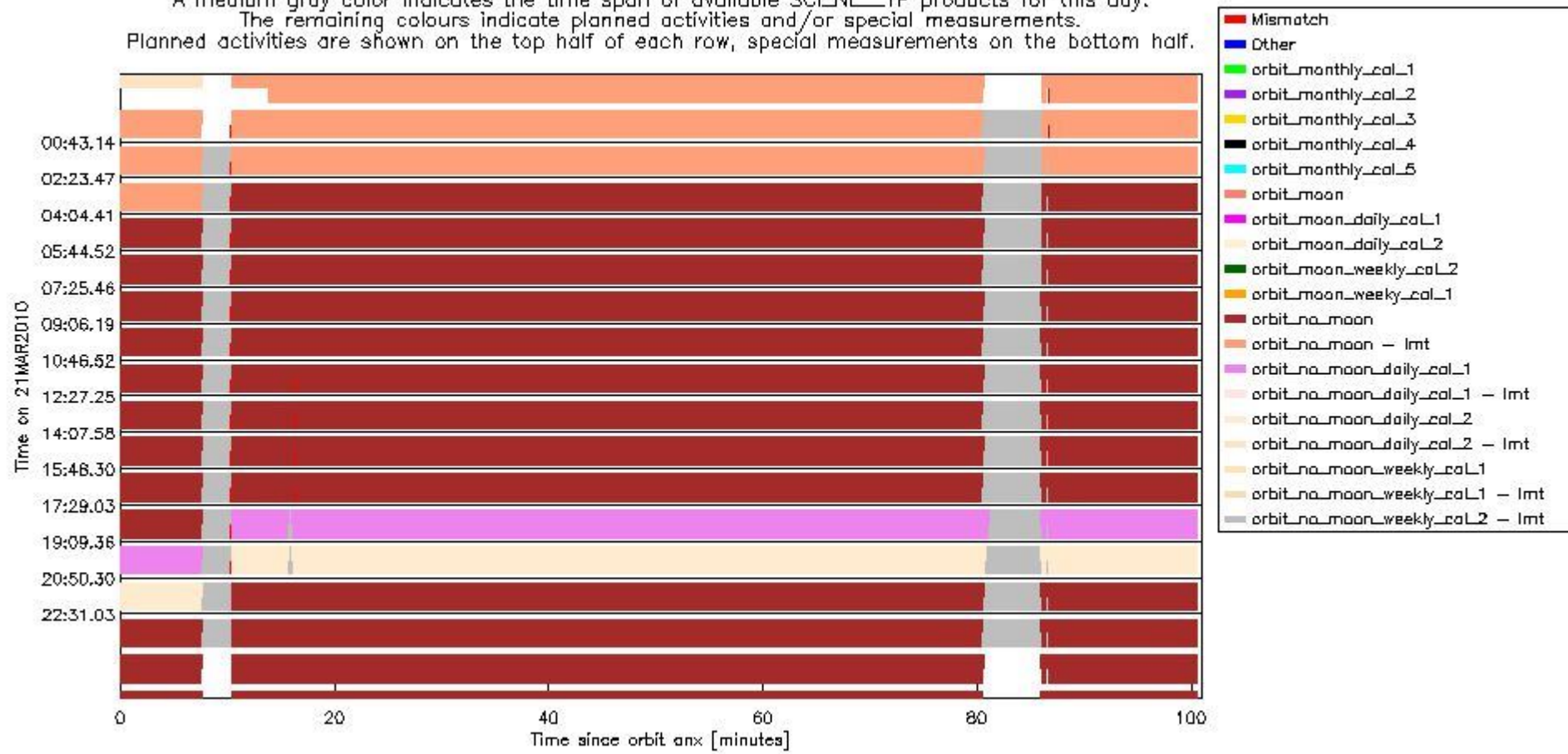


sciamachy_daily_report_level0_KSPT_L0_4303_N_20100321_5.PNG

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 21MAR2010.
 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_20100321_6.PNG

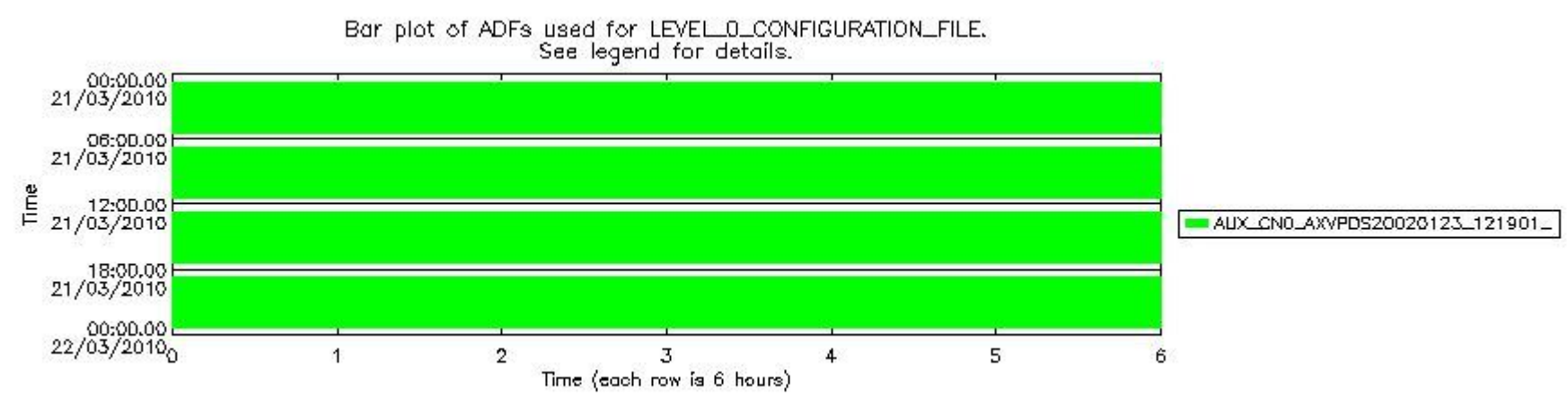
0.4 ADF monitoring

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

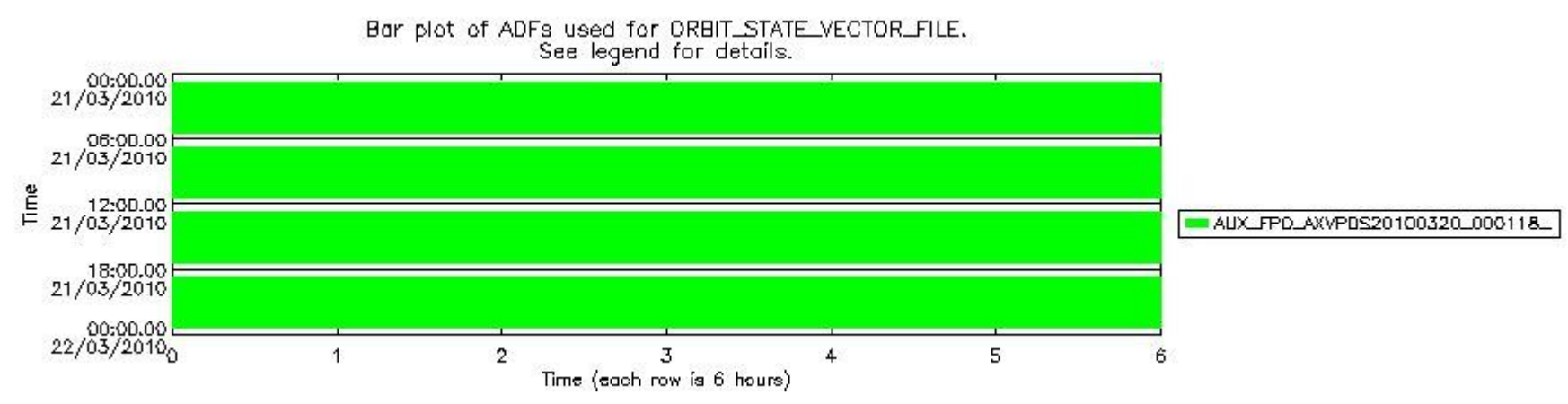
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

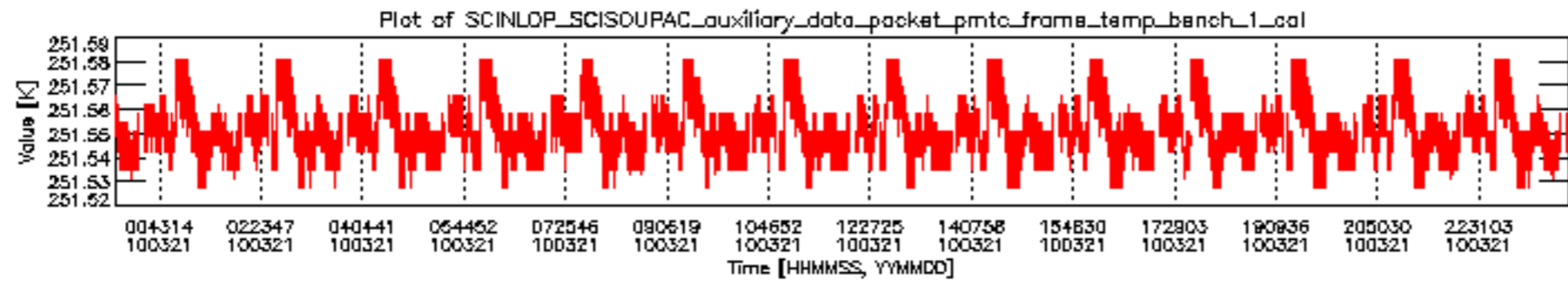
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100320_000118_20100319_183225_20100329_213915

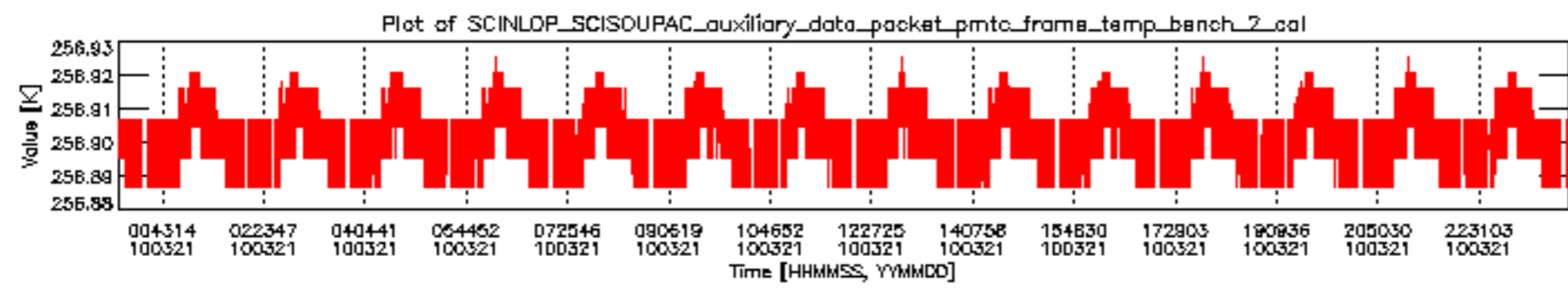


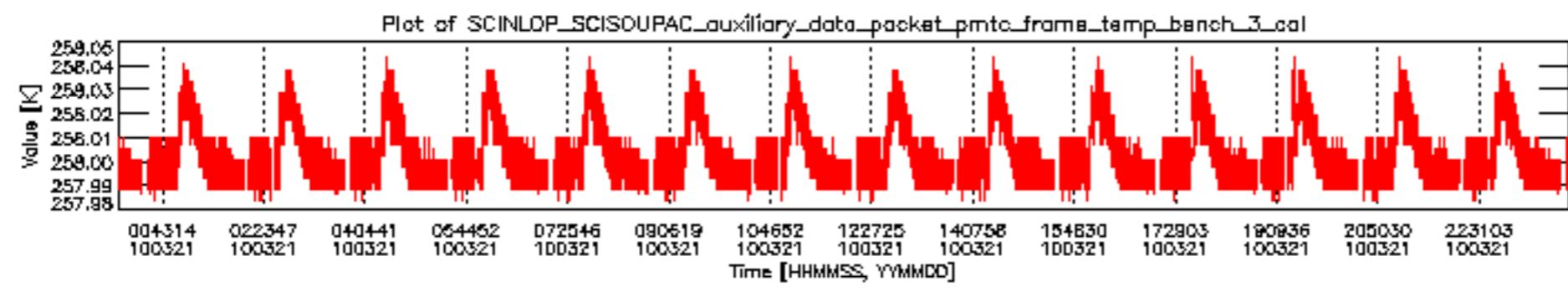
sciamachy_daily_report_level0_KSPT_L0_4303_N_20100321_7.PNG

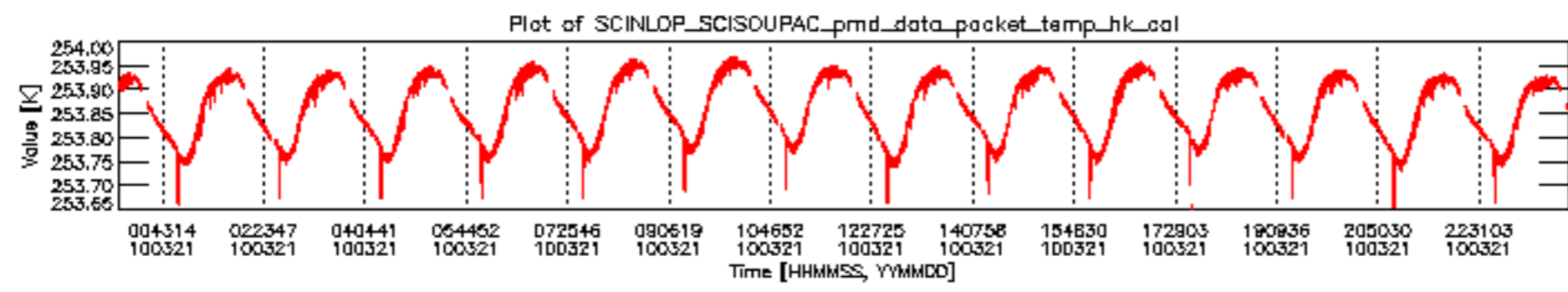


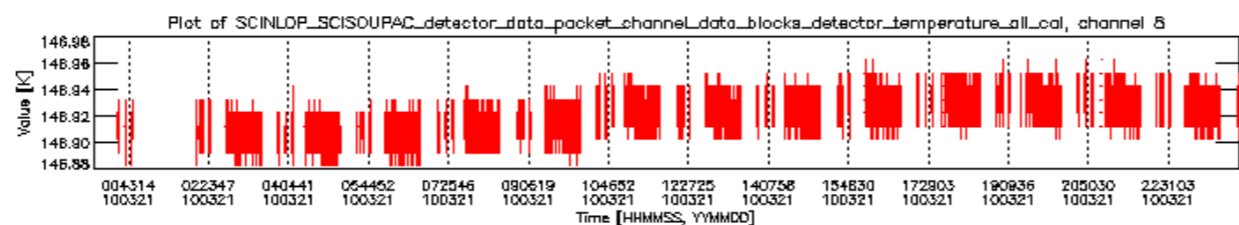
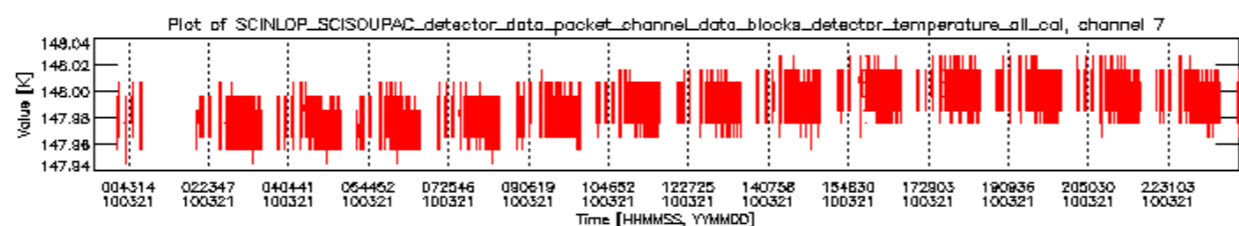
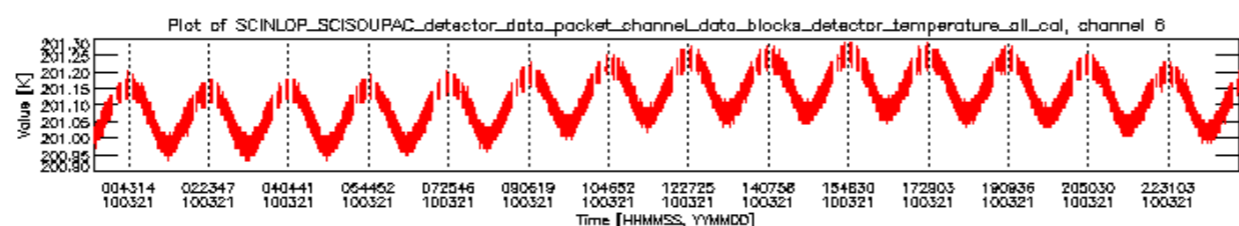
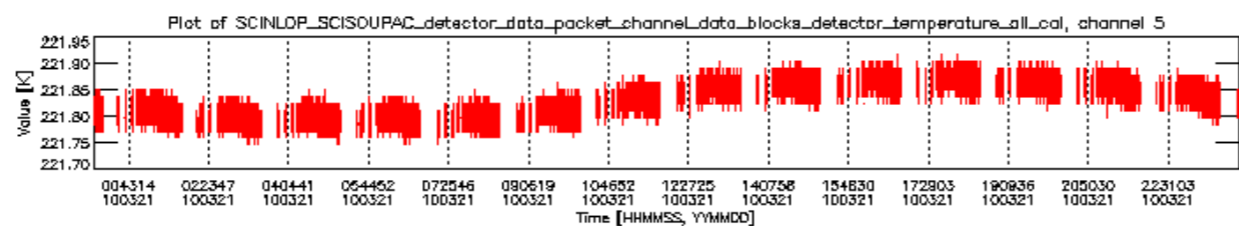
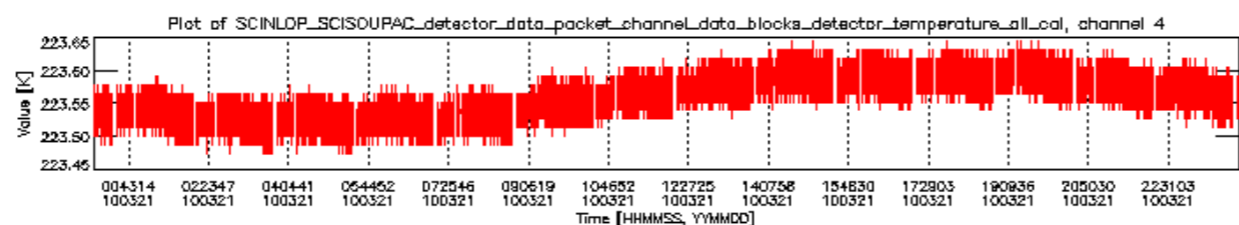
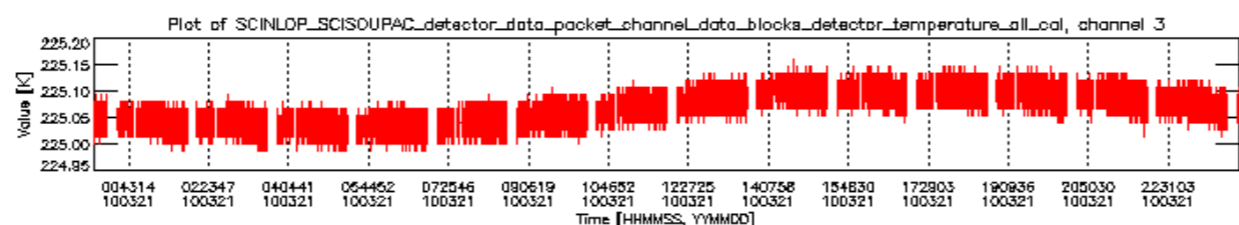
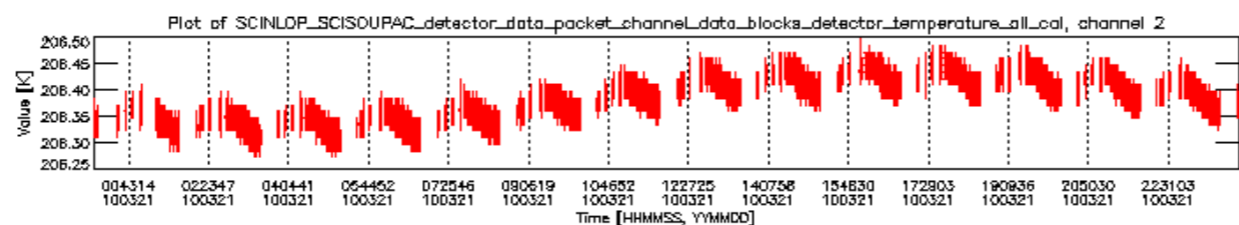
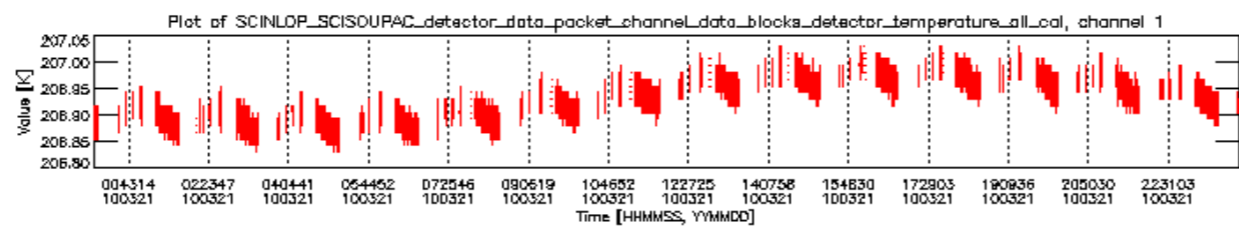
sciamachy_daily_report_level0_KSPT_L0_4303_N_20100321_8.PNG

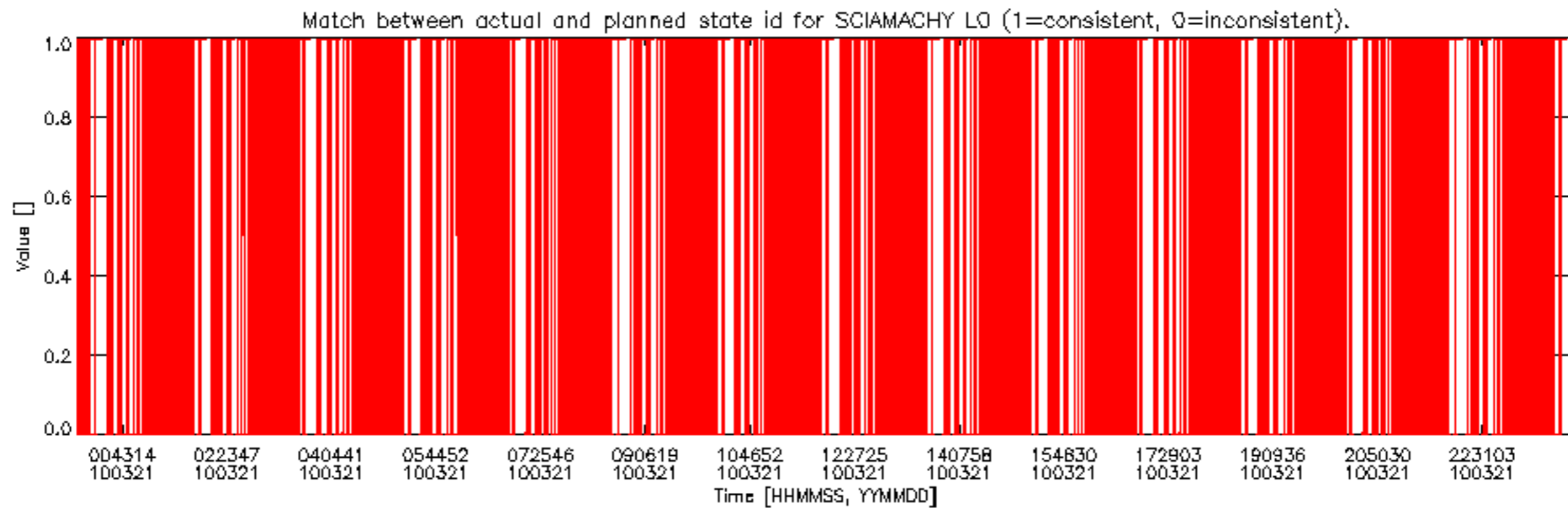
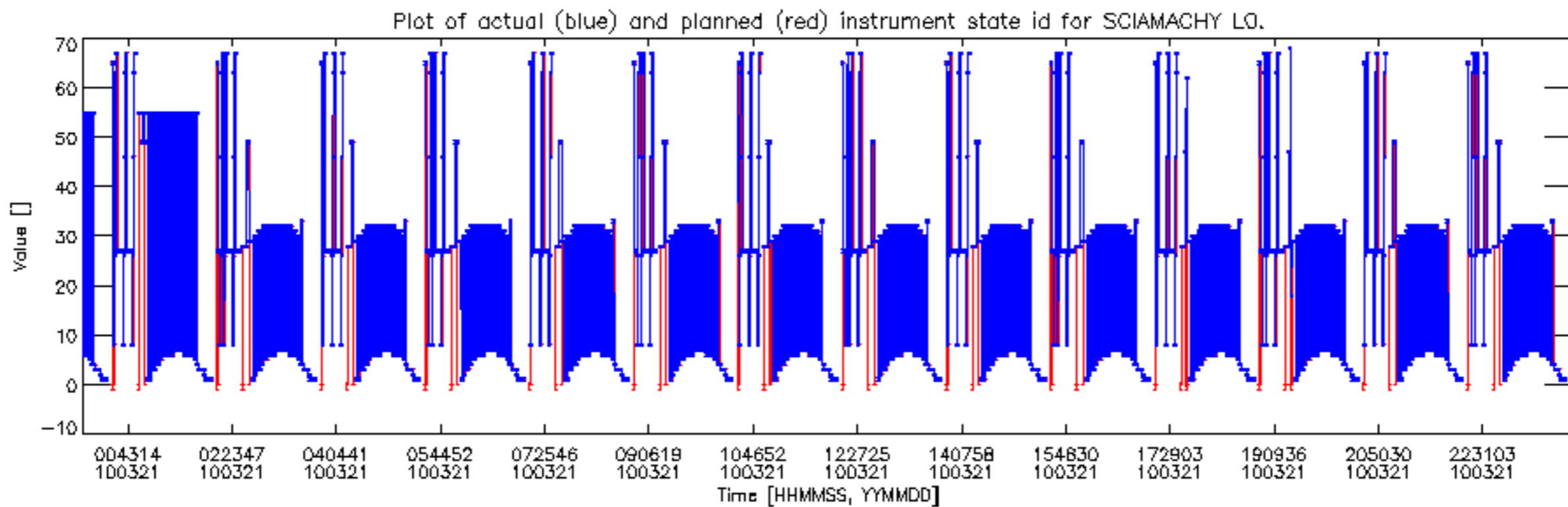












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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