

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	28APR2009 04:11:48
Data source version	KSPT_L0/4303-N
Processing scope for products	24APR2009 00:00:00 to 25APR2009 00:00:00
Start time of first product within scope	23APR2009 22:50:55
Stop time of last product within scope	25APR2009 00:01:59
Total number of level 0 products	16
Number of level 0 products with errors	1

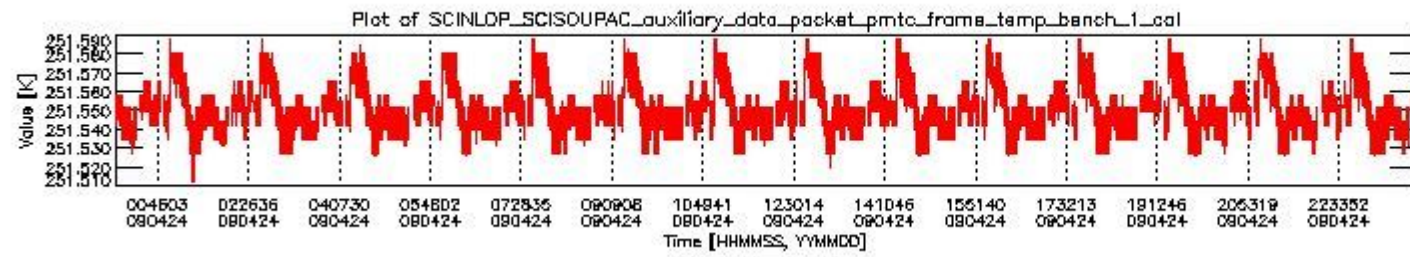
0.1.2 Summary per product

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

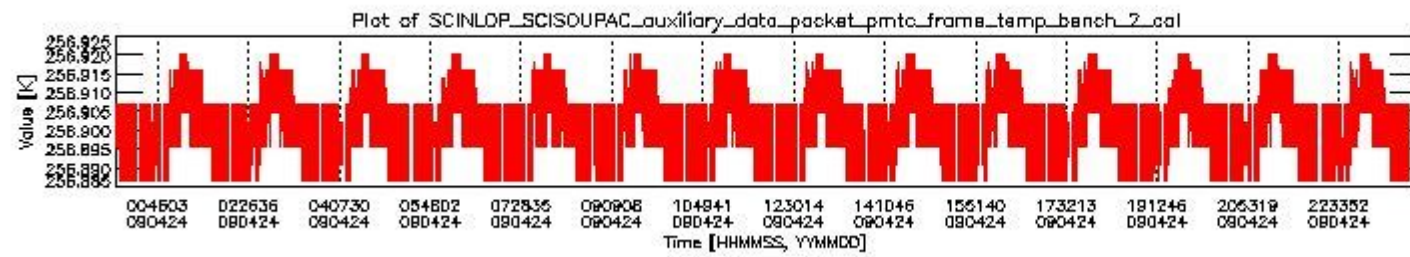
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090423_225055_000060842078_00244_37372_9010.N1	23APR2009 22:50:55	24APR2009 00:32:19	0	0	0	0	0
1	SCI_NL__OPNPDE20090424_003219_000058232078_00245_37373_9011.N1	24APR2009 00:32:19	24APR2009 02:09:22	0	0	0	0	0
2	SCI_NL__OPNPDE20090424_020754_000046422078_00246_37374_9012.N1	24APR2009 02:07:54	24APR2009 03:25:17	0	0	0	0	0
3	SCI_NL__OPNPDE20090424_032517_000061472078_00247_37375_9013.N1	24APR2009 03:25:17	24APR2009 05:07:44	0	0	0	0	0
4	SCI_NL__OPNPDE20090424_050648_000060362078_00248_37376_9014.N1	24APR2009 05:06:48	24APR2009 06:47:24	0	0	0	0	0
5	SCI_NL__OPNPDK20090424_064724_000041012078_00249_37377_1354.N1	24APR2009 06:47:24	24APR2009 07:55:44	0	0	0	0	0
6	SCI_NL__OPNPDK20090424_075544_000061042078_00250_37378_1355.N1	24APR2009 07:55:44	24APR2009 09:37:28	0	0	0	0	0
7	SCI_NL__OPNPDK20090424_093728_000059672078_00251_37379_1356.N1	24APR2009 09:37:28	24APR2009 11:16:55	0	0	0	0	0
8	SCI_NL__OPNPDK20090424_111600_000060362078_00252_37380_1358.N1	24APR2009 11:16:00	24APR2009 12:56:35	0	0	0	0	0
9	SCI_NL__OPNPDK20090424_125635_000059112078_00253_37381_1359.N1	24APR2009 12:56:35	24APR2009 14:35:06	0	0	0	0	0
10	SCI_NL__OPNPDK20090424_143506_000056622078_00254_37382_1360.N1	24APR2009 14:35:06	24APR2009 16:09:29	0	0	0	0	0
11	SCI_NL__OPNPDK20090424_160724_000061782078_00255_37383_1361.N1	24APR2009 16:07:24	24APR2009 17:50:22	0	0	0	0	0
12	SCI_NL__OPNPDK20090424_174913_000059802078_00256_37384_1362.N1	24APR2009 17:49:13	24APR2009 19:28:53	1	1	0	0	0
13	SCI_NL__OPNPDK20090424_192701_000060742078_00257_37385_1363.N1	24APR2009 19:27:01	24APR2009 21:08:15	0	0	0	0	0
14	SCI_NL__OPNPDE20090424_210623_000044572078_00258_37386_9015.N1	24APR2009 21:06:23	24APR2009 22:20:40	0	0	0	0	0
15	SCI_NL__OPNPDE20090424_221956_000061242078_00258_37386_9016.N1	24APR2009 22:19:56	25APR2009 00:01:59	0	0	0	0	0

0.2 Product Quality Indicators

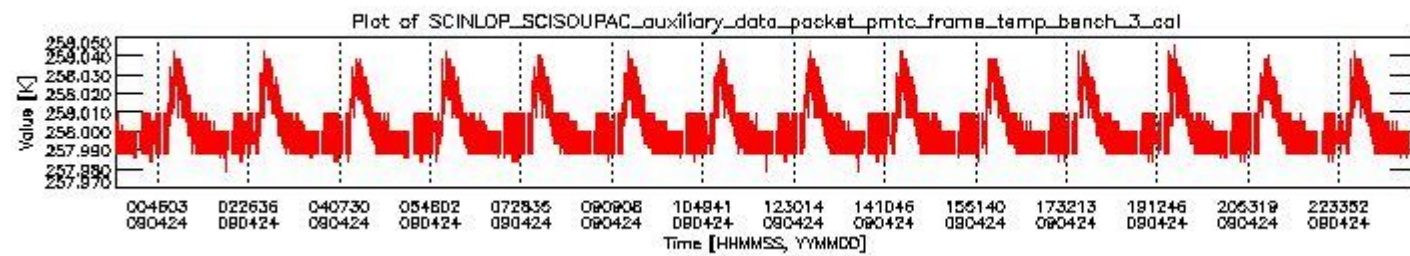
This section shows information about product quality, currently temperatures.



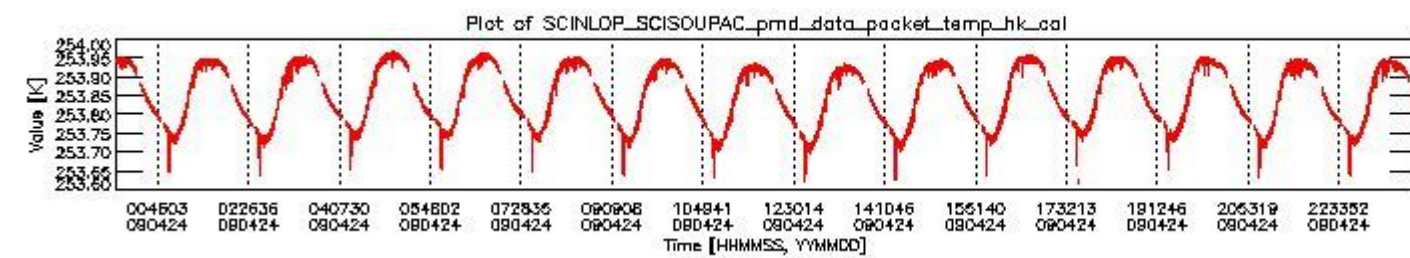
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090424_0.PNG



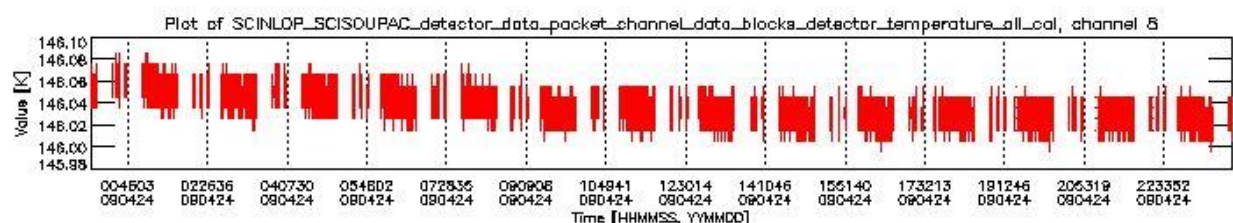
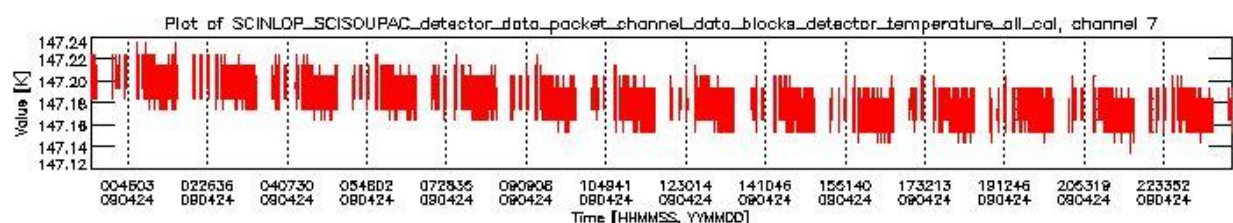
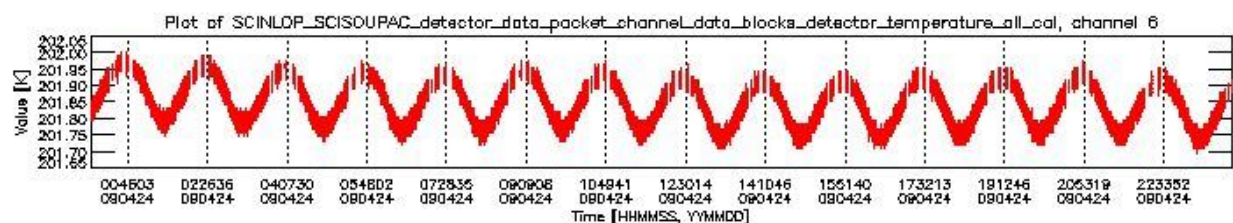
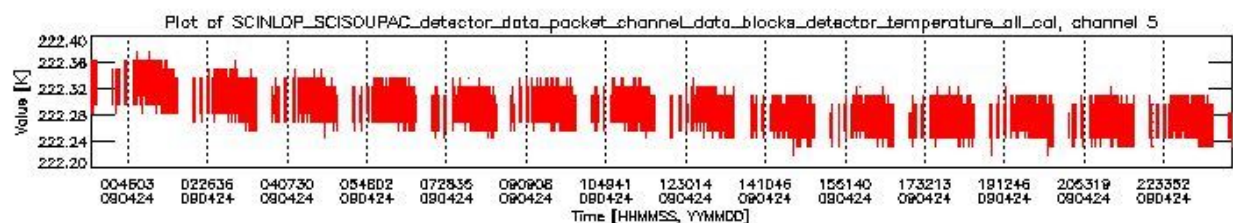
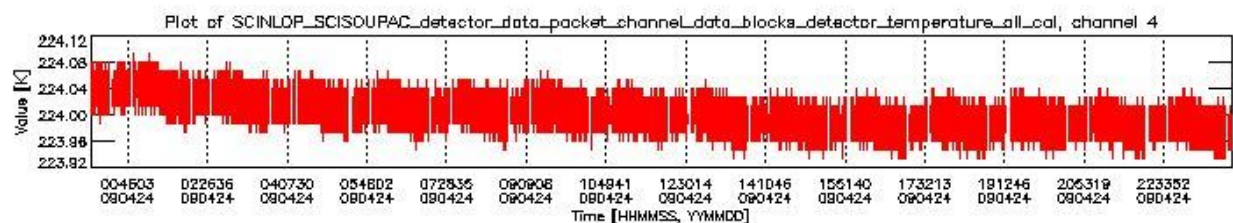
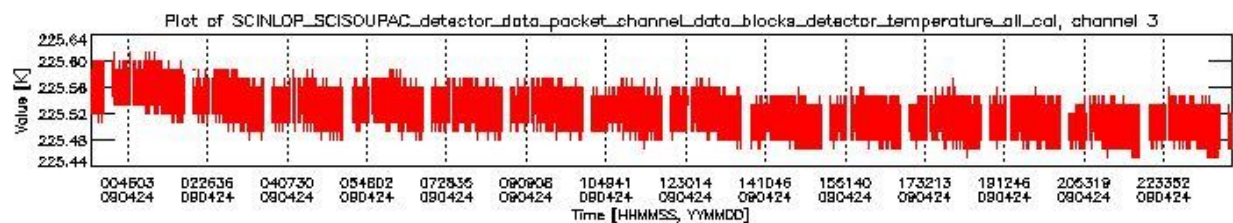
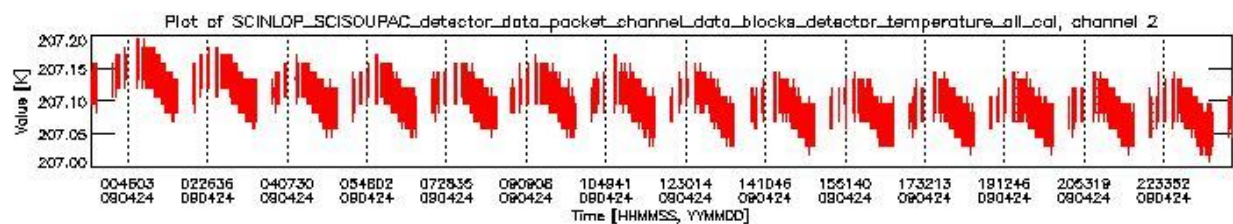
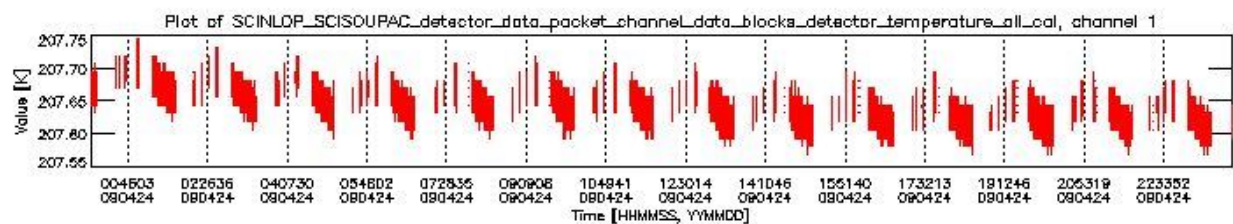
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090424_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090424_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090424_3.PNG

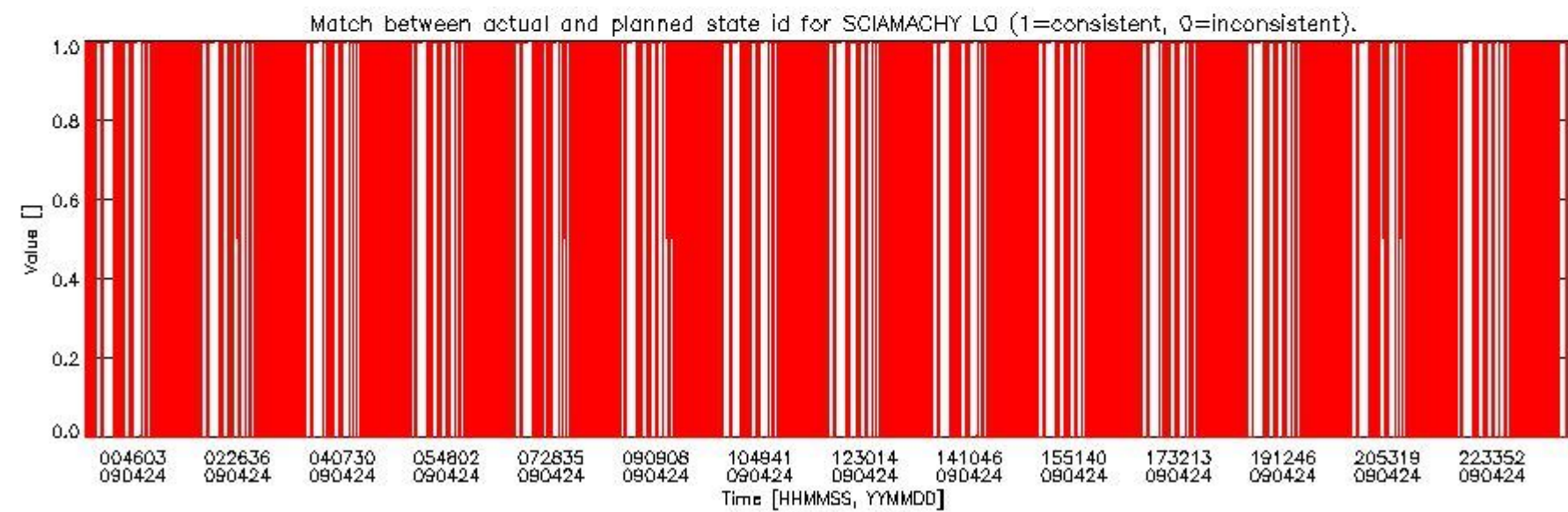
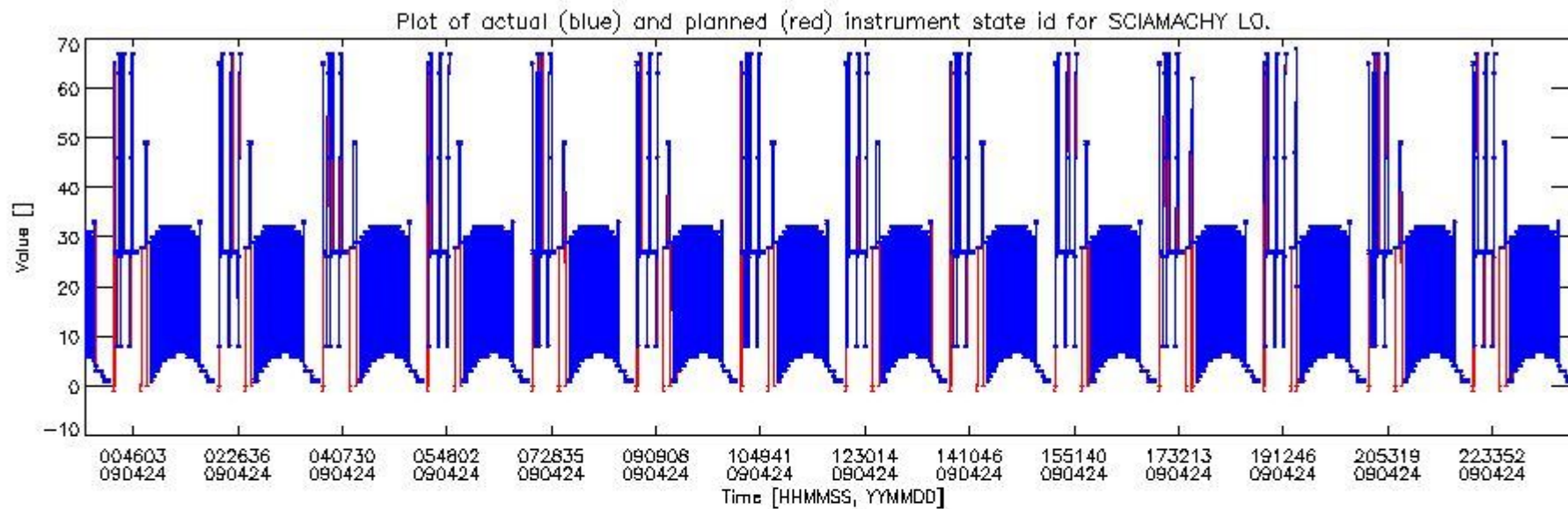


0.3 State monitoring

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: **52317**

#	Actual time	Actual value	Planned time	Planned value
0	24APR2009 00:00:00.166766	31	24APR2009 00:00:00.166766	6
1	24APR2009 00:00:00.729266	31	24APR2009 00:00:00.729266	6
2	24APR2009 00:00:01.104279	31	24APR2009 00:00:01.104279	6
3	24APR2009 00:00:01.479252	31	24APR2009 00:00:01.479252	6
4	24APR2009 00:00:01.854265	31	24APR2009 00:00:01.854265	6
5	24APR2009 00:00:02.104273	31	24APR2009 00:00:02.104273	6
6	24APR2009 00:00:02.416764	31	24APR2009 00:00:02.416764	6
7	24APR2009 00:00:02.791777	31	24APR2009 00:00:02.791777	6
8	24APR2009 00:00:03.166750	31	24APR2009 00:00:03.166750	6
9	24APR2009 00:00:03.541763	31	24APR2009 00:00:03.541763	6
10	24APR2009 00:00:04.104263	31	24APR2009 00:00:04.104263	6
11	24APR2009 00:00:04.479276	31	24APR2009 00:00:04.479276	6
12	24APR2009 00:00:04.854248	31	24APR2009 00:00:04.854248	6
13	24APR2009 00:00:05.229262	31	24APR2009 00:00:05.229262	6
14	24APR2009 00:00:05.791761	31	24APR2009 00:00:05.791761	6
15	24APR2009 00:00:06.166774	31	24APR2009 00:00:06.166774	6
16	24APR2009 00:00:06.541747	31	24APR2009 00:00:06.541747	6
17	24APR2009 00:00:06.916760	31	24APR2009 00:00:06.916760	6
18	24APR2009 00:00:07.104246	31	24APR2009 00:00:07.104246	6
19	24APR2009 00:00:07.479259	31	24APR2009 00:00:07.479259	6

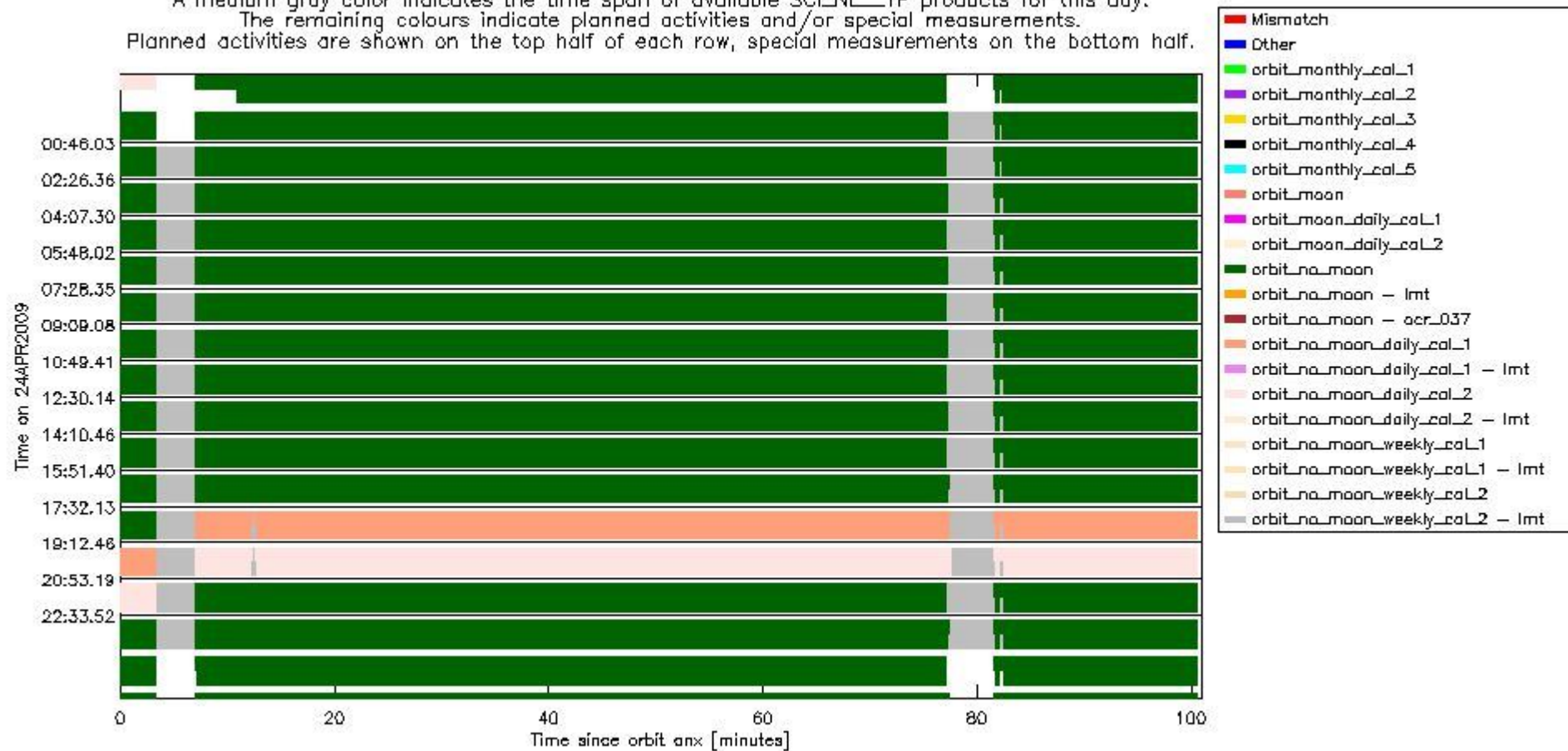


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090424_5.PNG

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 24APR2009.
 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_20090424_6.PNG

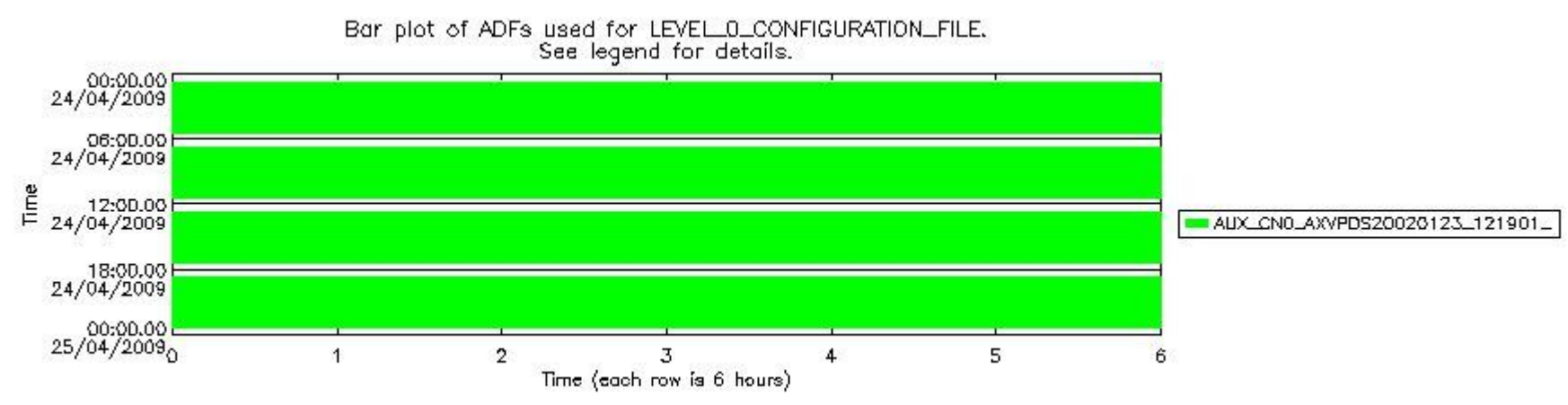
0.4 ADF monitoring

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

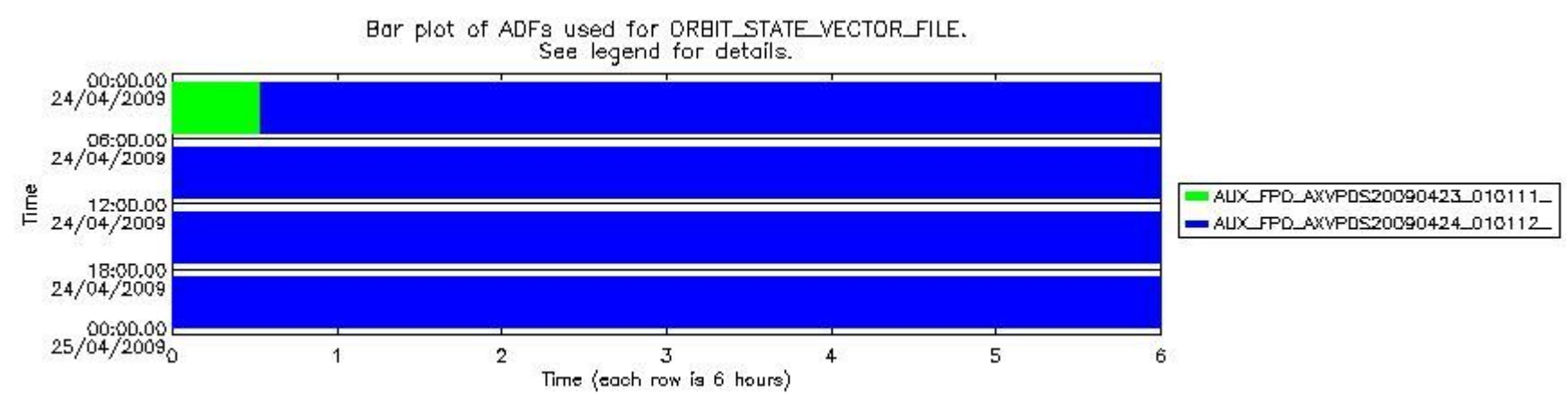
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

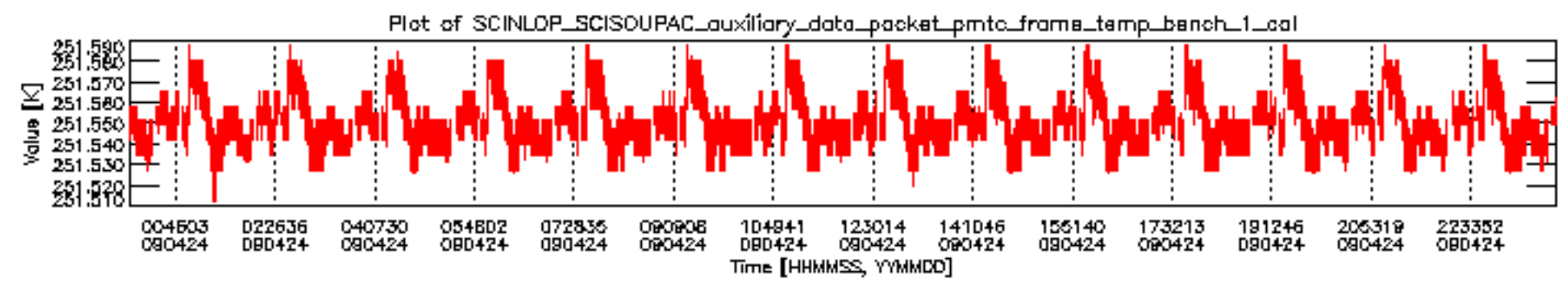
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090423_010111_20090422_183522_20090502_200137
2	AUX_FPO_AXVPDS20090424_010112_20090423_194421_20090503_211036

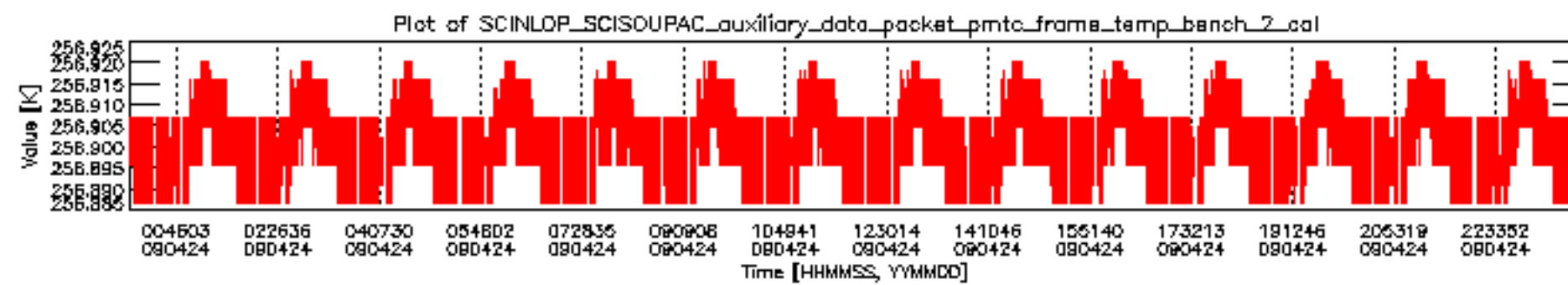


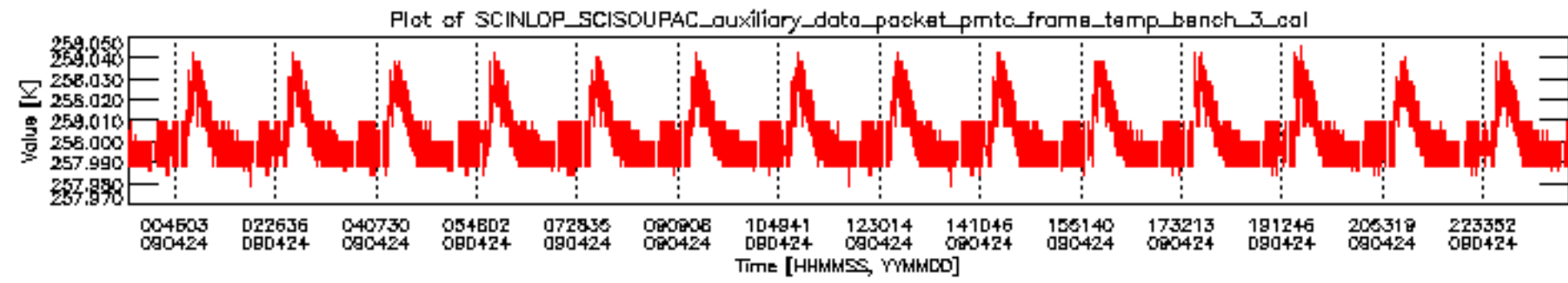
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090424_7.PNG

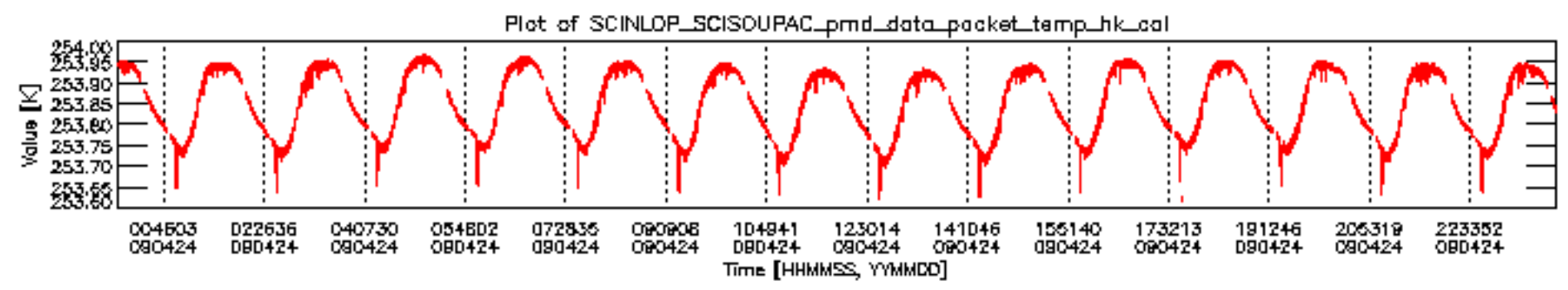


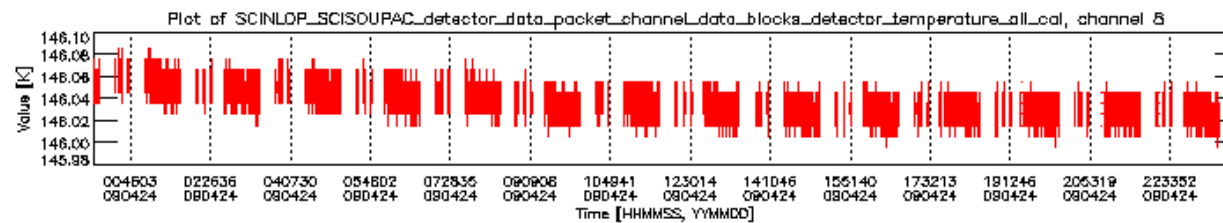
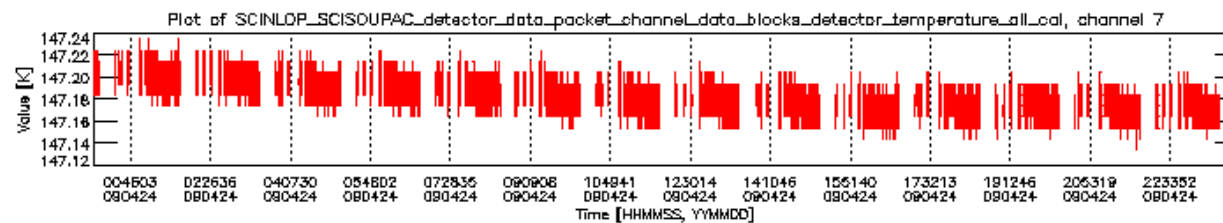
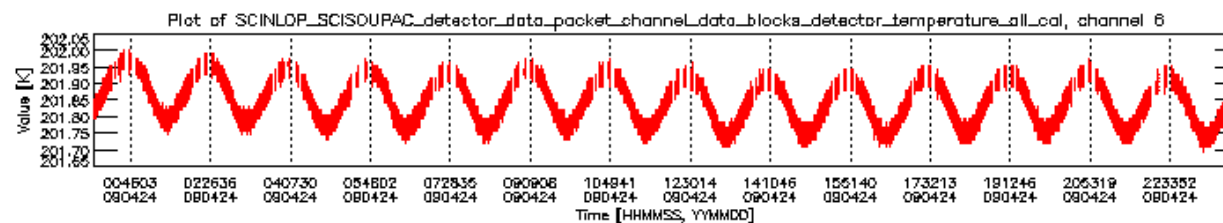
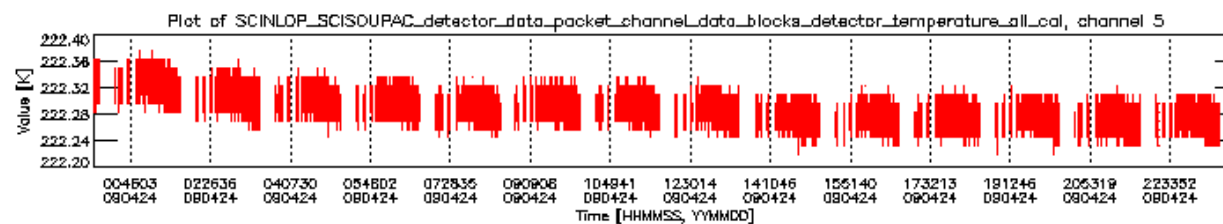
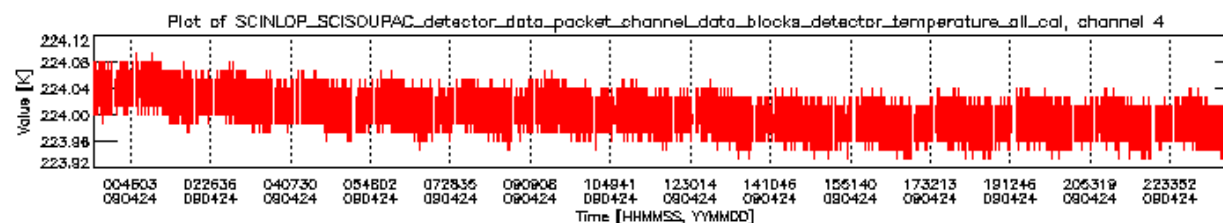
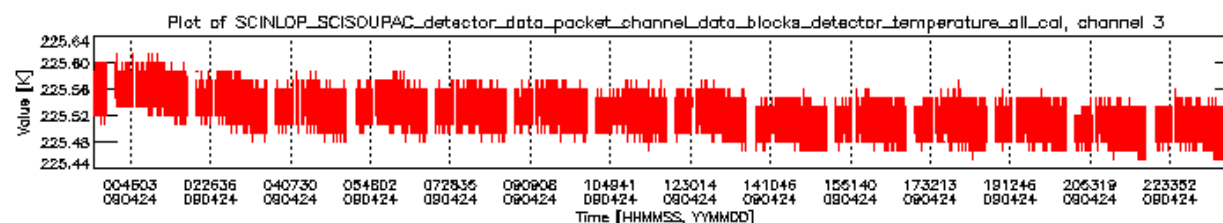
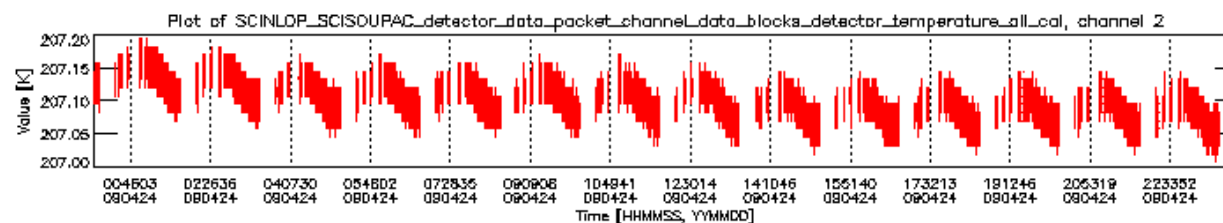
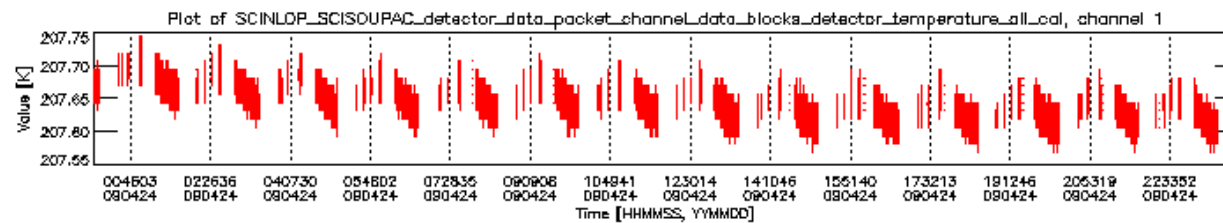
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090424_8.PNG

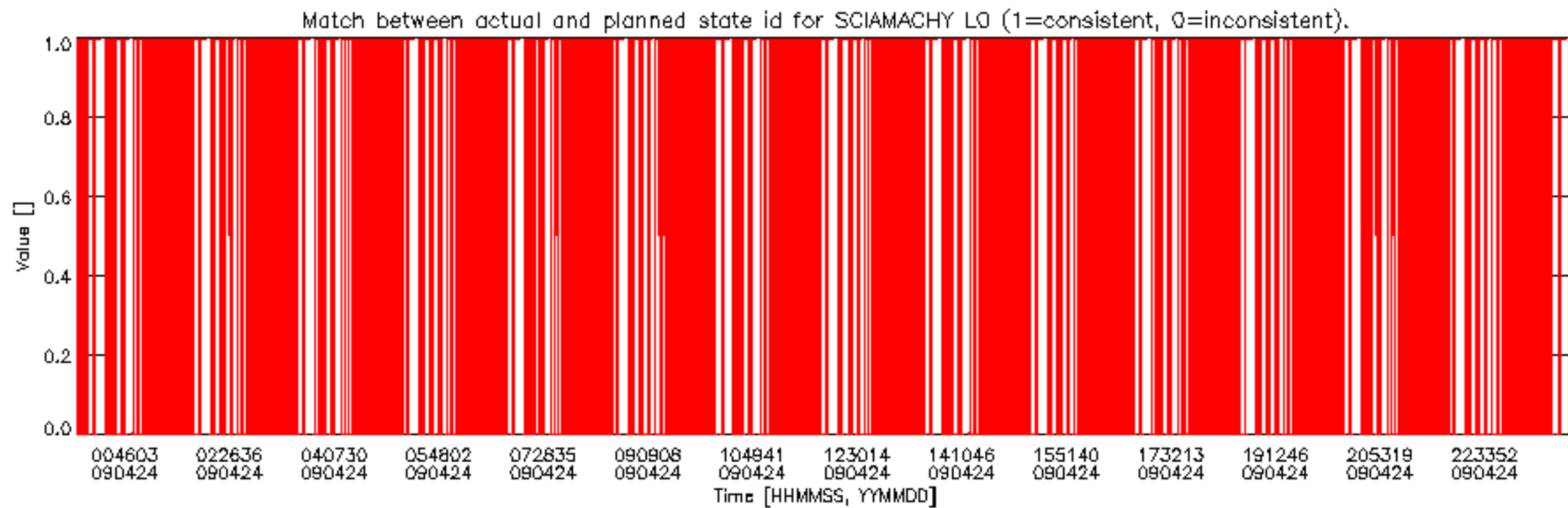
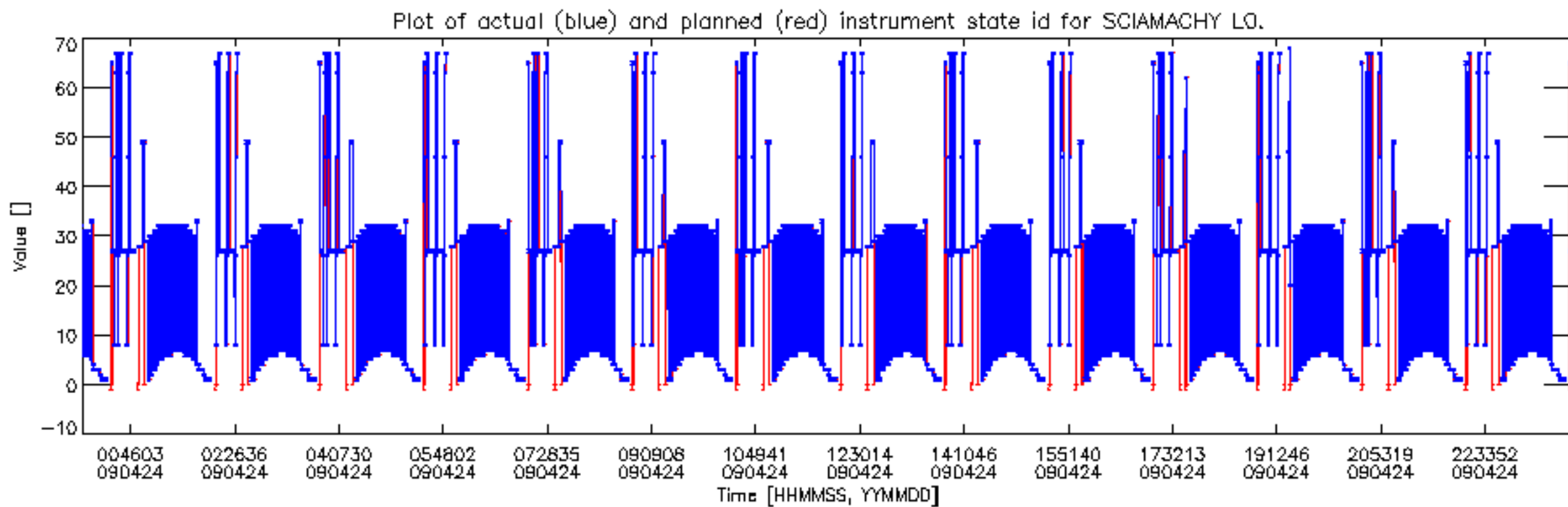












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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