

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	06APR2009 07:10:05
Data source version	KSPT_L0/4303-N
Processing scope for products	02APR2009 00:00:00 to 03APR2009 00:00:00
Start time of first product within scope	01APR2009 22:43:33
Stop time of last product within scope	03APR2009 01:32:58
Total number of level 0 products	17
Number of level 0 products with errors	1

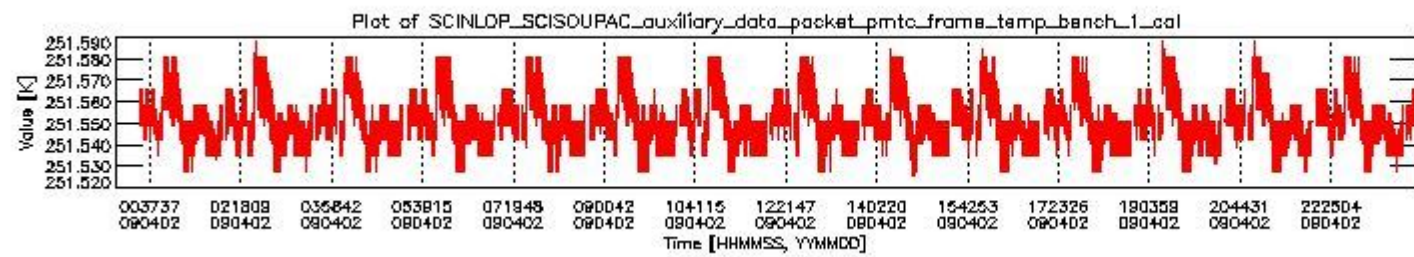
0.1.2 Summary per product

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

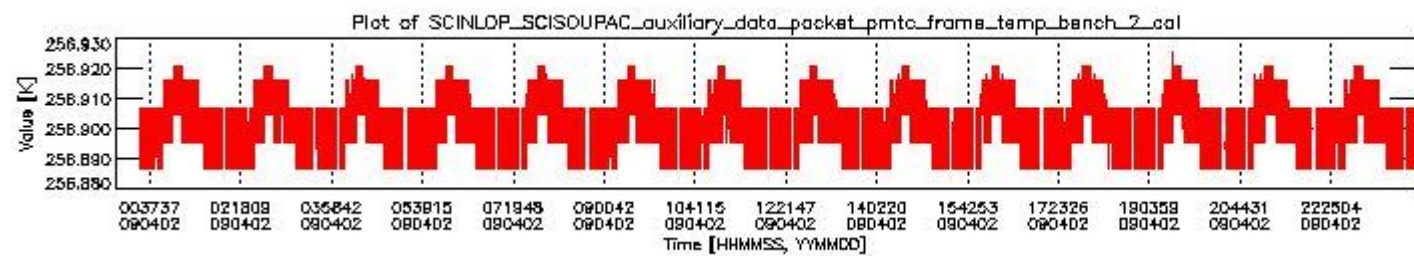
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090401_224333_000061672077_00430_37057_8868.N1	01APR2009 22:43:33	02APR2009 00:26:20	0	0	0	0	0
1	SCI_NL__OPNPDE20090402_002620_000058232077_00431_37058_8869.N1	02APR2009 00:26:20	02APR2009 02:03:23	0	0	0	0	0
2	SCI_NL__OPNPDE20090402_020239_000048092077_00432_37059_8870.N1	02APR2009 02:02:39	02APR2009 03:22:48	0	0	0	0	0
3	SCI_NL__OPNPDE20090402_032140_000058432077_00433_37060_8871.N1	02APR2009 03:21:40	02APR2009 04:59:02	0	0	0	0	0
4	SCI_NL__OPNPDE20090402_045902_000061042077_00434_37061_8872.N1	02APR2009 04:59:02	02APR2009 06:40:46	0	0	0	0	0
5	SCI_NL__OPNPDK20090402_064046_000040452077_00435_37062_1155.N1	02APR2009 06:40:46	02APR2009 07:48:11	1	1	0	0	0
6	SCI_NL__OPNPDK20090402_074702_000062282077_00436_37063_1156.N1	02APR2009 07:47:02	02APR2009 09:30:51	0	0	0	0	0
7	SCI_NL__OPNPDK20090402_092955_000058982077_00437_37064_1157.N1	02APR2009 09:29:55	02APR2009 11:08:13	0	0	0	0	0
8	SCI_NL__OPNPDK20090402_110813_000060482077_00438_37065_1158.N1	02APR2009 11:08:13	02APR2009 12:49:02	0	0	0	0	0
9	SCI_NL__OPNPDK20090402_124753_000059672077_00439_37066_1159.N1	02APR2009 12:47:53	02APR2009 14:27:20	0	0	0	0	0
10	SCI_NL__OPNPDK20090402_142624_000057872077_00440_37067_1160.N1	02APR2009 14:26:24	02APR2009 16:02:51	0	0	0	0	0
11	SCI_NL__OPNPDK20090402_160046_000061132077_00441_37068_1161.N1	02APR2009 16:00:46	02APR2009 17:42:39	0	0	0	0	0
12	SCI_NL__OPNPDK20090402_174143_000059802077_00442_37069_1162.N1	02APR2009 17:41:43	02APR2009 19:21:23	0	0	0	0	0
13	SCI_NL__OPNPDK20090402_191931_000061262077_00443_37070_1163.N1	02APR2009 19:19:31	02APR2009 21:01:37	0	0	0	0	0
14	SCI_NL__OPNPDE20090402_210041_000043502077_00444_37071_8873.N1	02APR2009 21:00:41	02APR2009 22:13:11	0	0	0	0	0
15	SCI_NL__OPNPDE20090402_221148_000061672077_00444_37071_8874.N1	02APR2009 22:11:48	02APR2009 23:54:35	0	0	0	0	0
16	SCI_NL__OPNPDE20090402_235402_000059372077_00445_37072_8875.N1	02APR2009 23:54:02	03APR2009 01:32:58	0	0	0	0	0

0.2 Product Quality Indicators

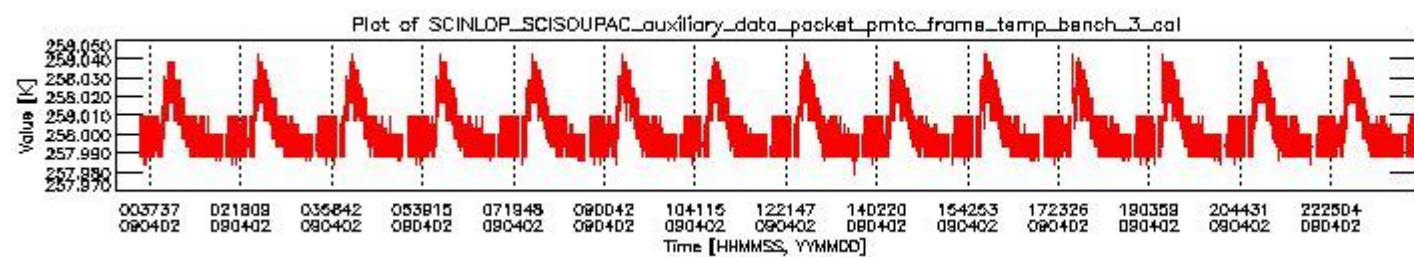
This section shows information about product quality, currently temperatures.



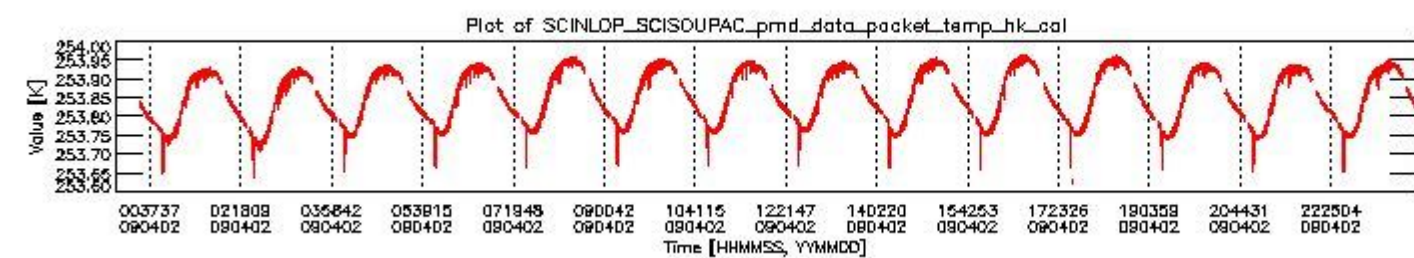
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090402_0.PNG



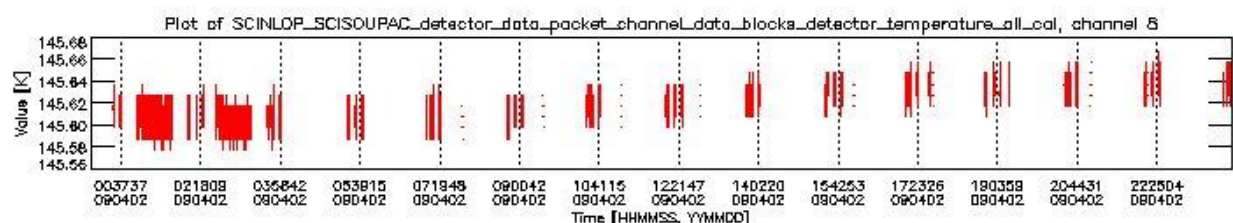
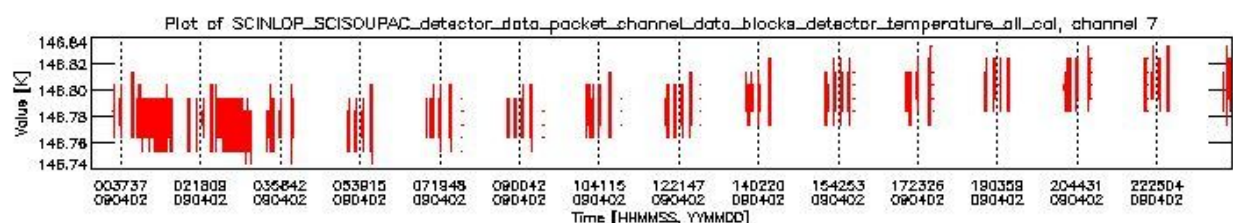
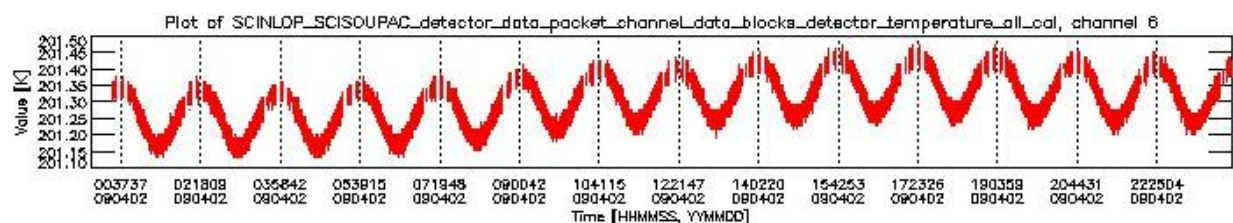
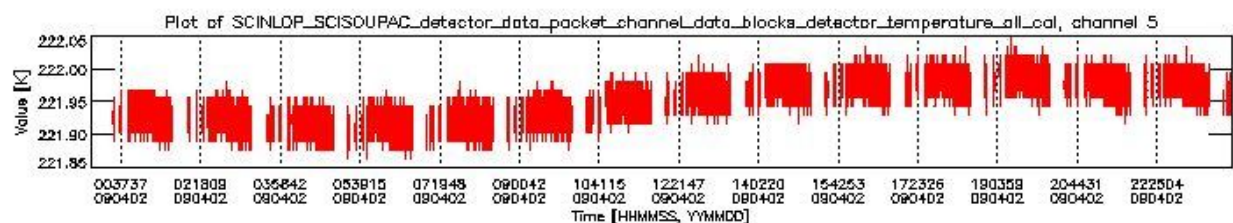
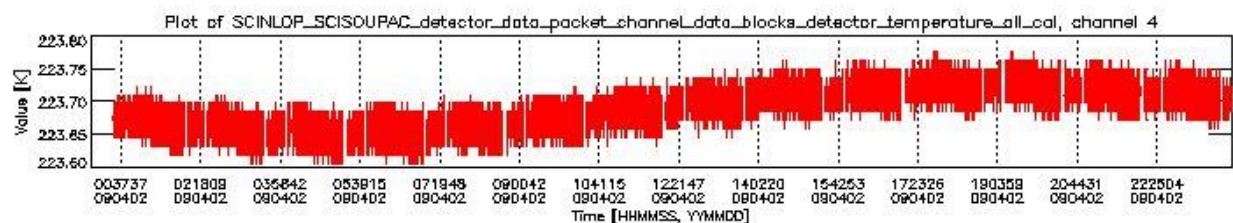
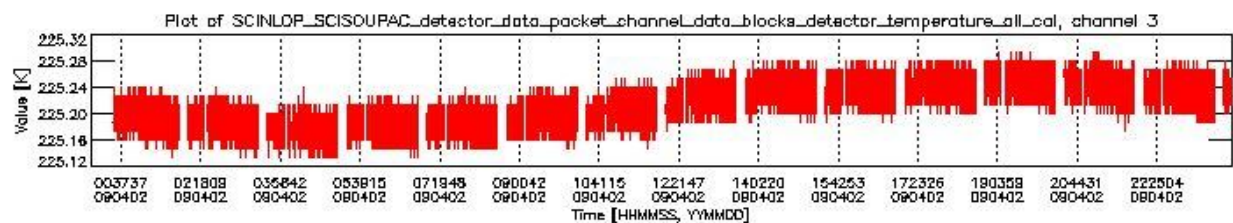
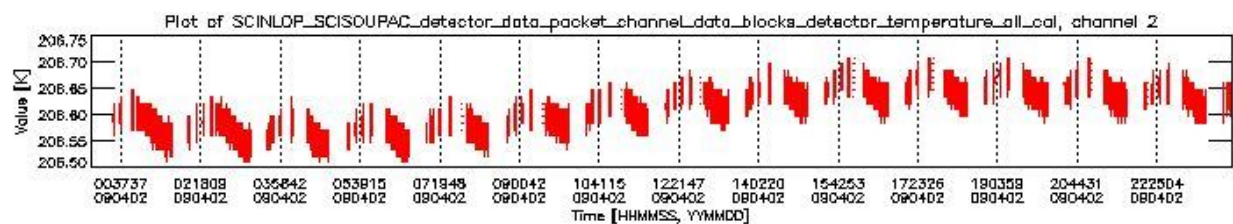
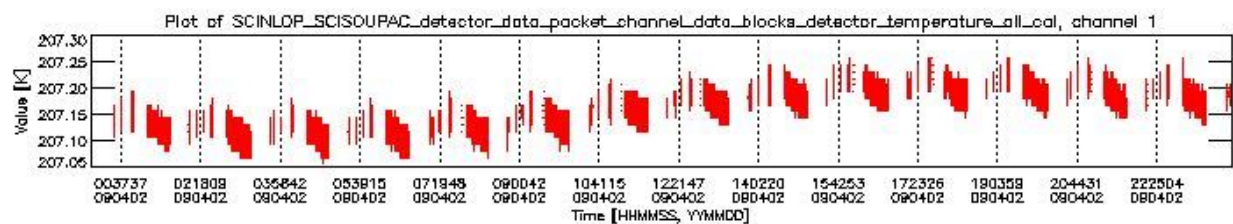
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090402_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090402_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090402_3.PNG

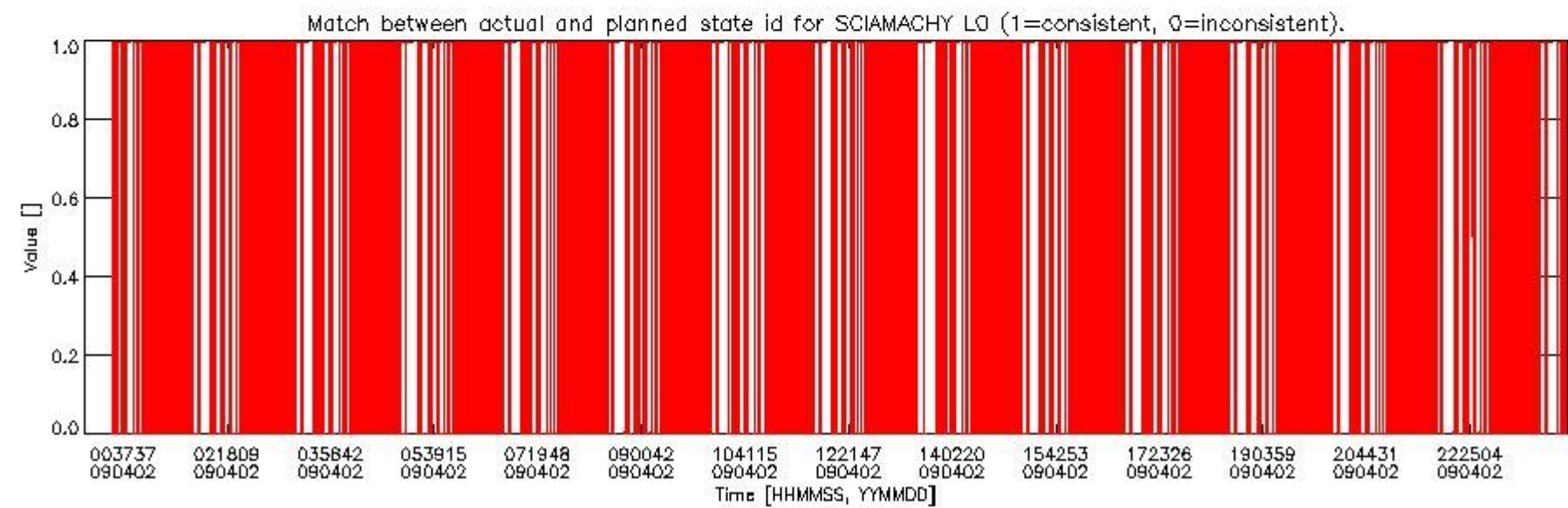
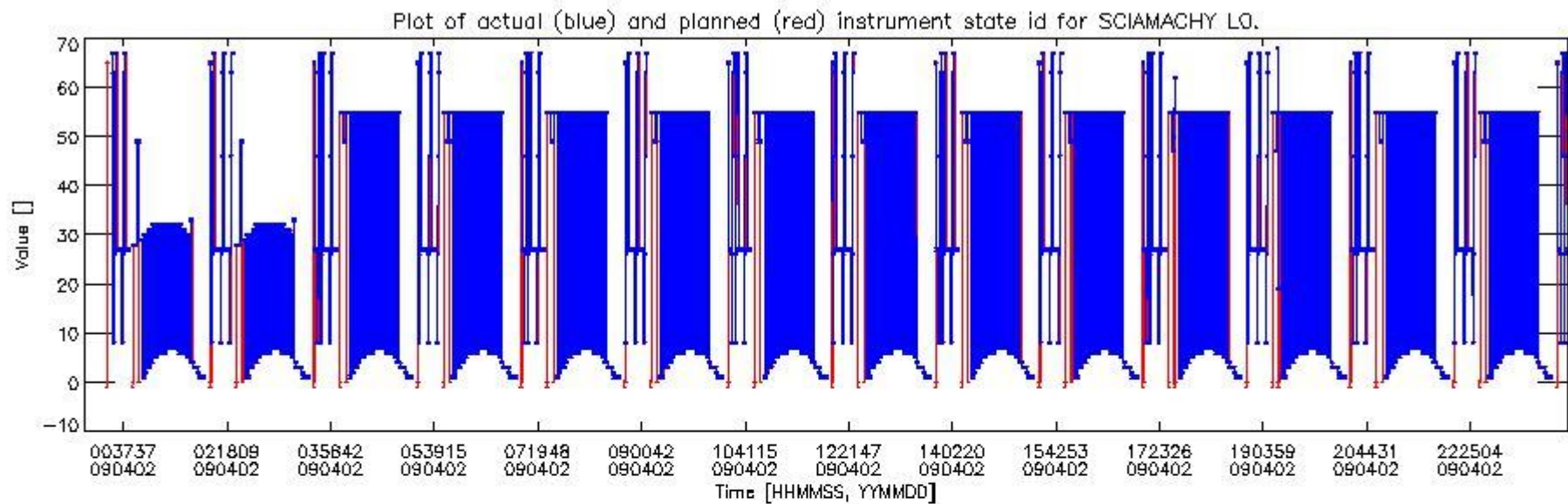


0.3 State monitoring

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: **57563**

#	Actual time	Actual value	Planned time	Planned value
0	02APR2009 00:26:20.558234	67	02APR2009 00:26:20.558234	63
1	02APR2009 00:26:21.808238	67	02APR2009 00:26:21.808238	63
2	02APR2009 00:26:21.933242	67	02APR2009 00:26:21.933242	63
3	02APR2009 00:26:22.058246	67	02APR2009 00:26:22.058246	63
4	02APR2009 00:26:22.183251	67	02APR2009 00:26:22.183251	63
5	02APR2009 00:26:22.308255	67	02APR2009 00:26:22.308255	63
6	02APR2009 00:26:22.433219	67	02APR2009 00:26:22.433219	63
7	02APR2009 00:26:22.558224	67	02APR2009 00:26:22.558224	63
8	02APR2009 00:26:22.683228	67	02APR2009 00:26:22.683228	63
9	02APR2009 00:26:22.808232	67	02APR2009 00:26:22.808232	63
10	02APR2009 00:26:22.933237	67	02APR2009 00:26:22.933237	63
11	02APR2009 00:26:23.058241	67	02APR2009 00:26:23.058241	63
12	02APR2009 00:26:23.183245	67	02APR2009 00:26:23.183245	63
13	02APR2009 00:26:23.308250	67	02APR2009 00:26:23.308250	63
14	02APR2009 00:26:23.433254	67	02APR2009 00:26:23.433254	63
15	02APR2009 00:26:23.558218	67	02APR2009 00:26:23.558218	63
16	02APR2009 00:26:23.683223	67	02APR2009 00:26:23.683223	63
17	02APR2009 00:26:23.808227	67	02APR2009 00:26:23.808227	63
18	02APR2009 00:26:23.933231	67	02APR2009 00:26:23.933231	63
19	02APR2009 00:26:24.058236	67	02APR2009 00:26:24.058236	63

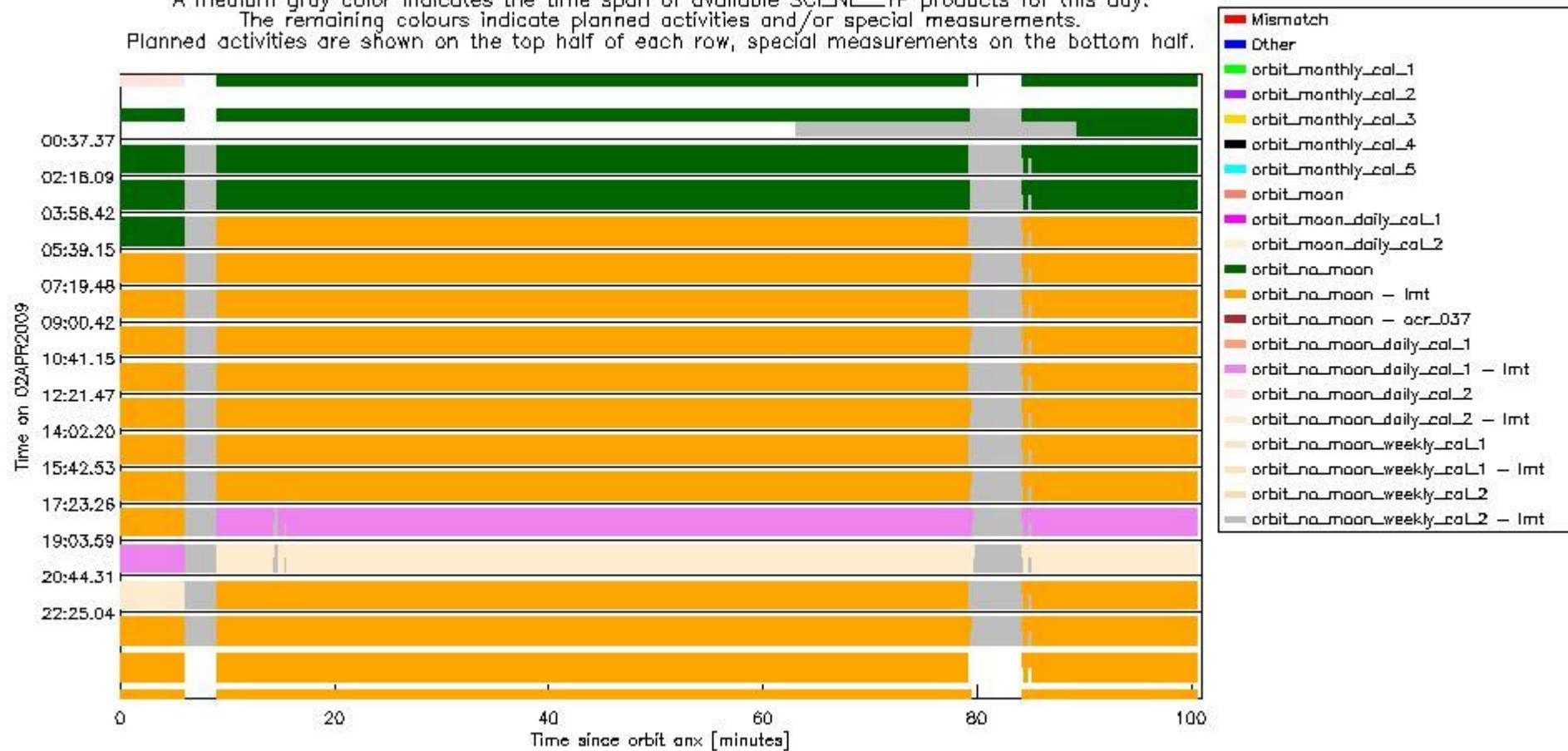


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090402_5.PNG

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 Q2APR2009.
 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_20090402_6.PNG

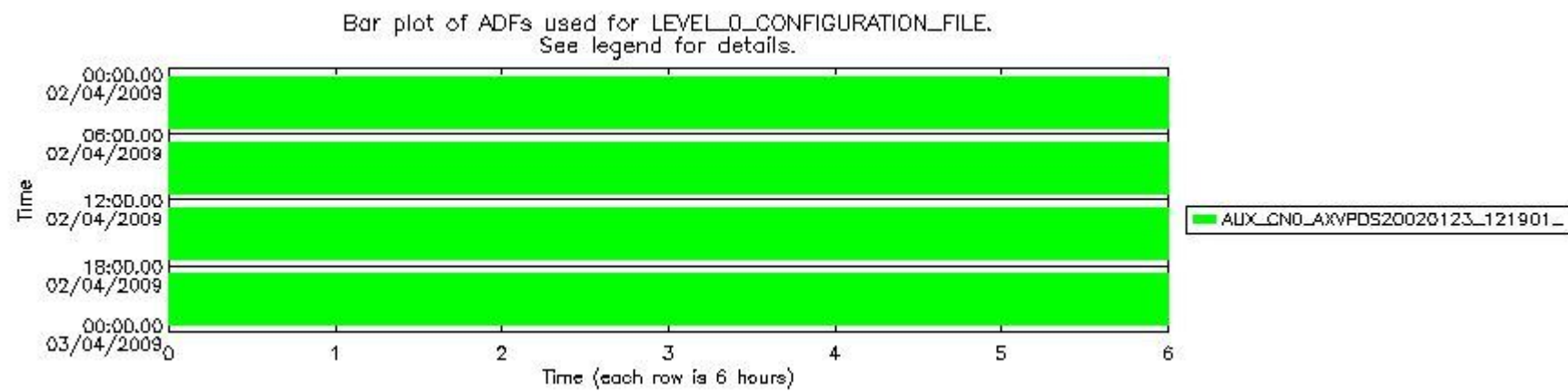
0.4 ADF monitoring

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

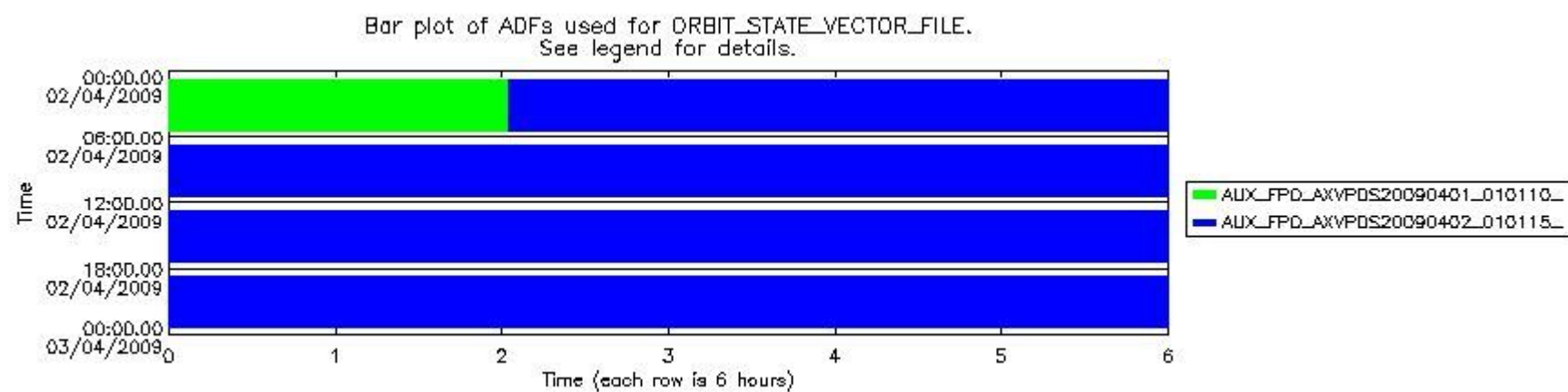
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

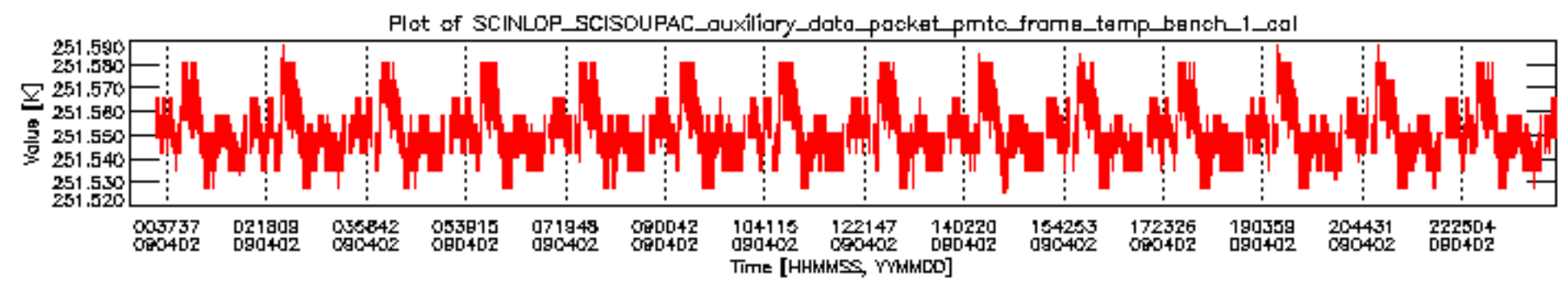
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090401_010110_20090331_182644_20090410_213332
2	AUX_FPO_AXVPDS20090402_010115_20090401_193543_20090411_210154

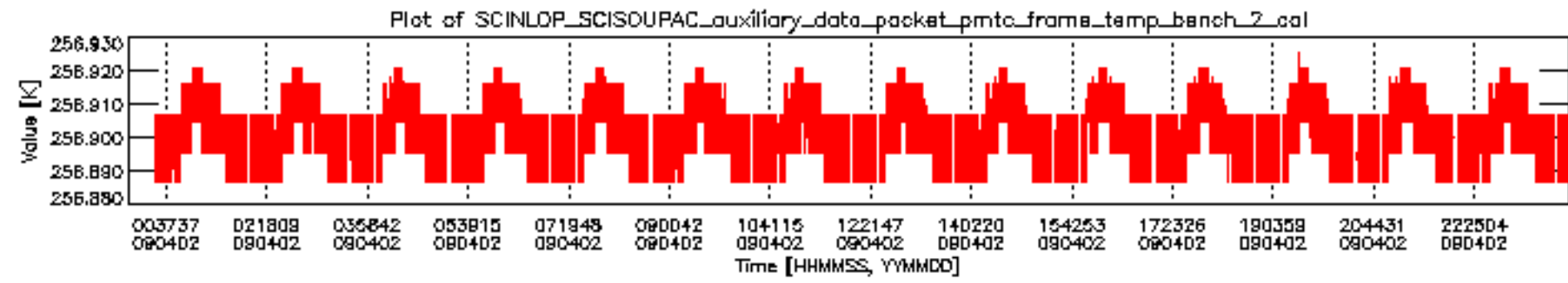


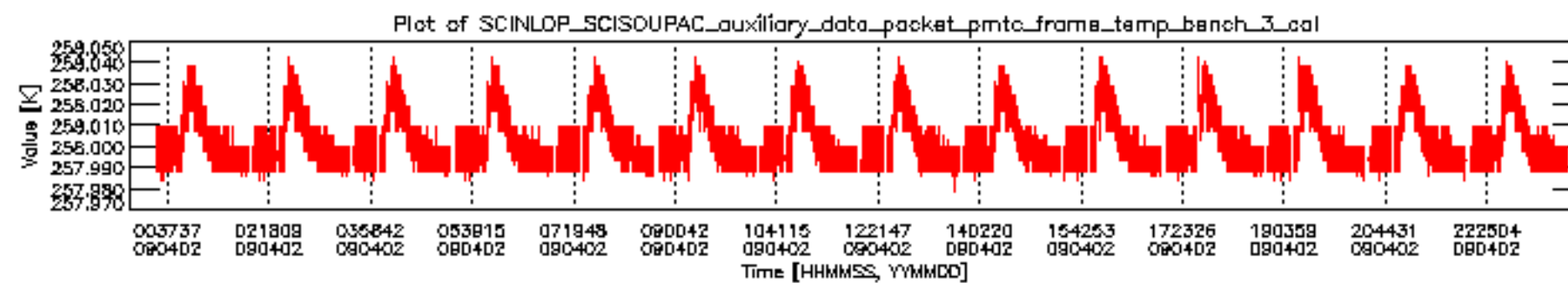
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090402_7.PNG

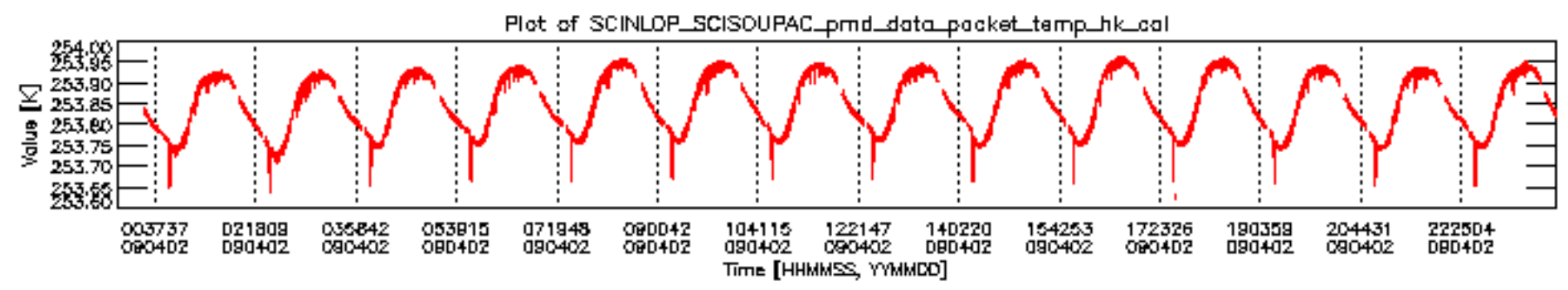


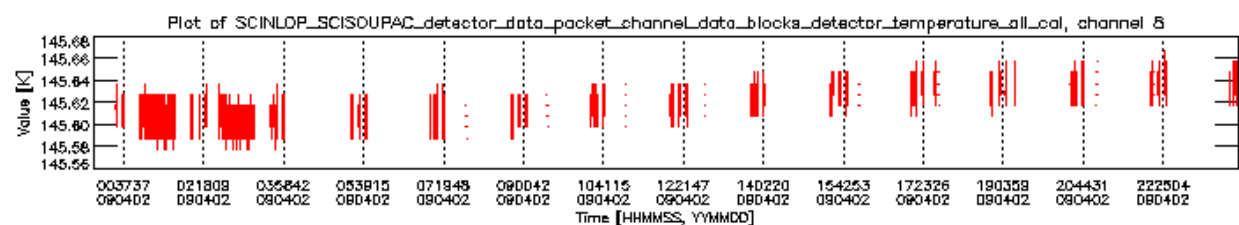
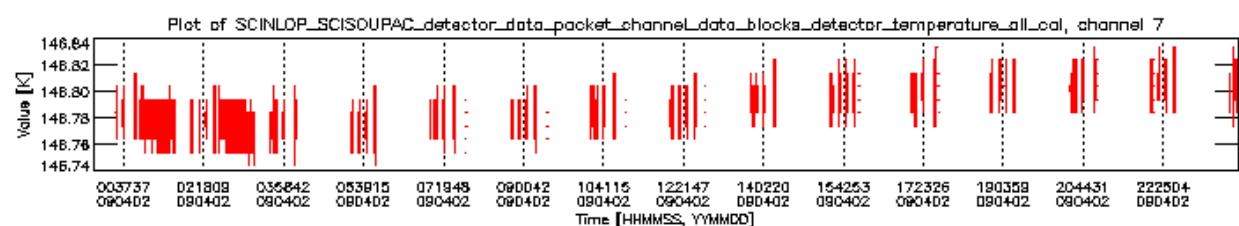
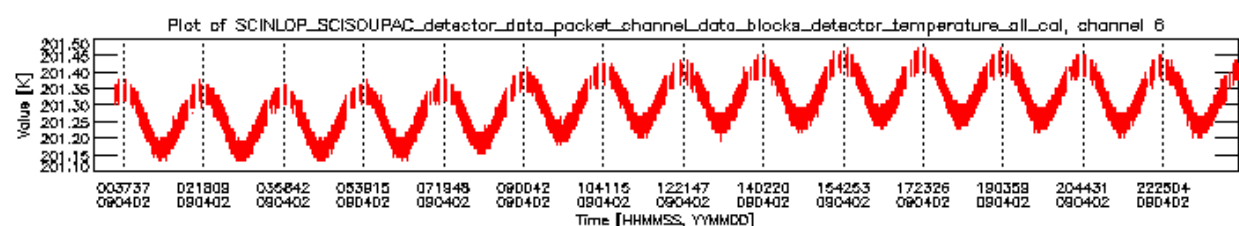
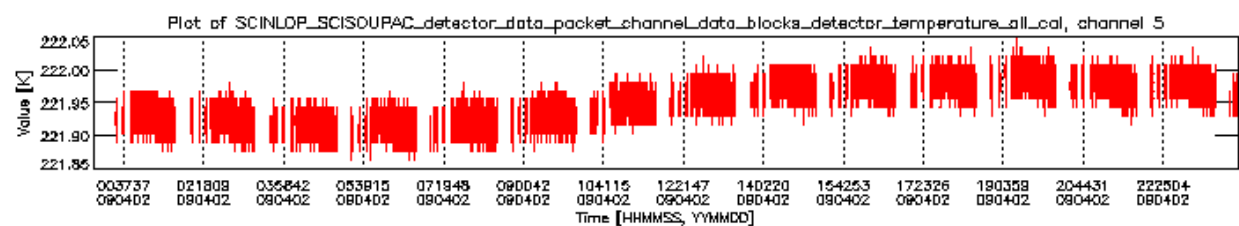
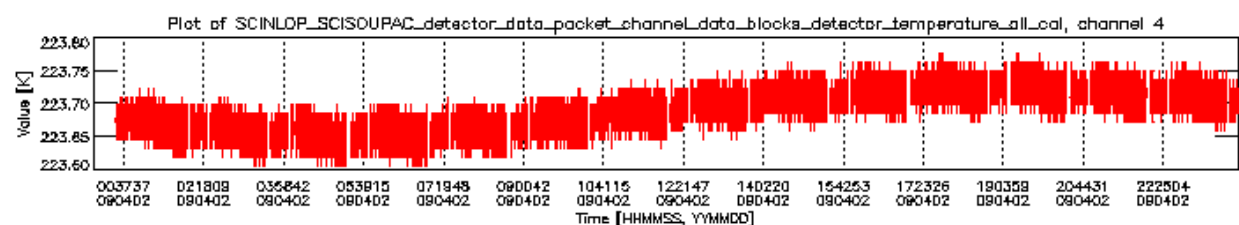
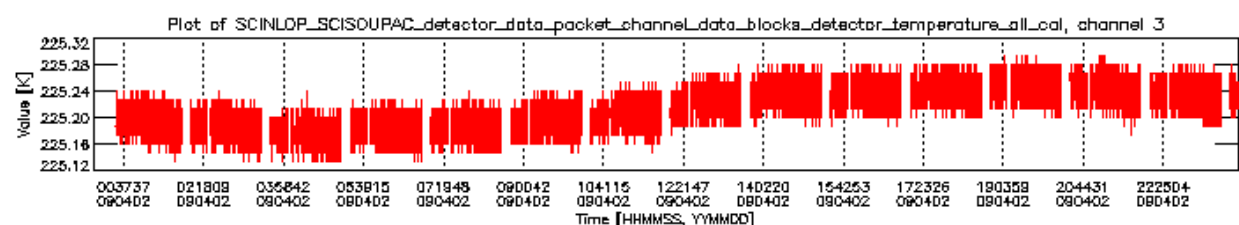
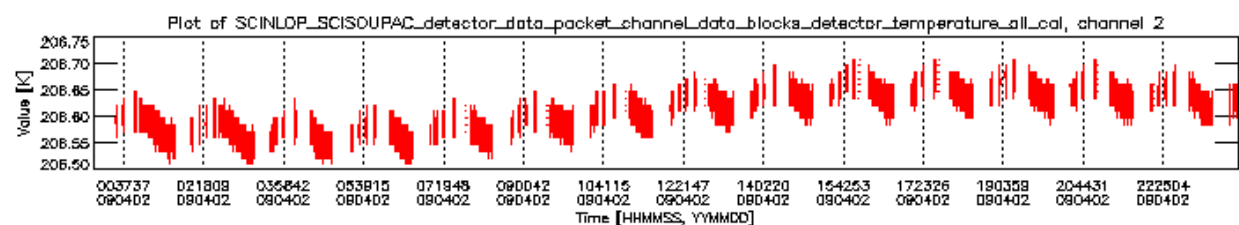
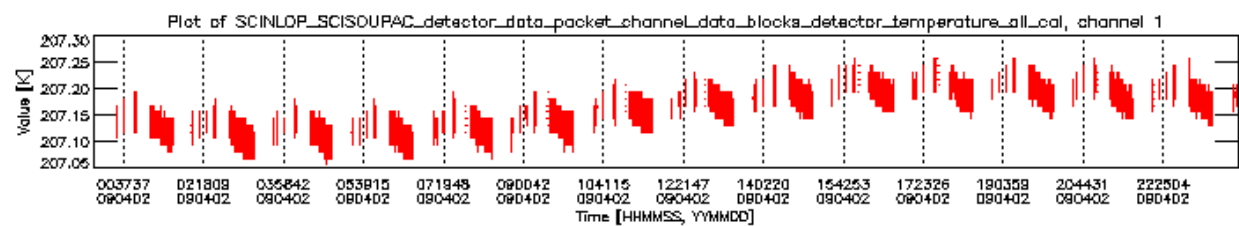
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090402_8.PNG

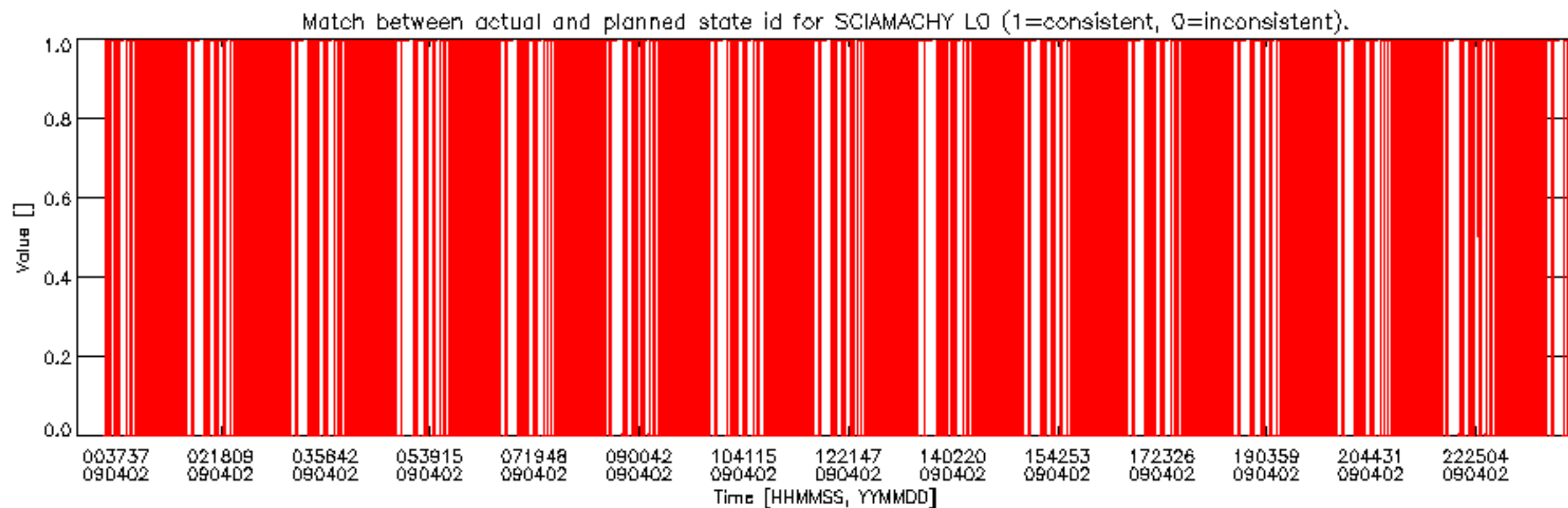
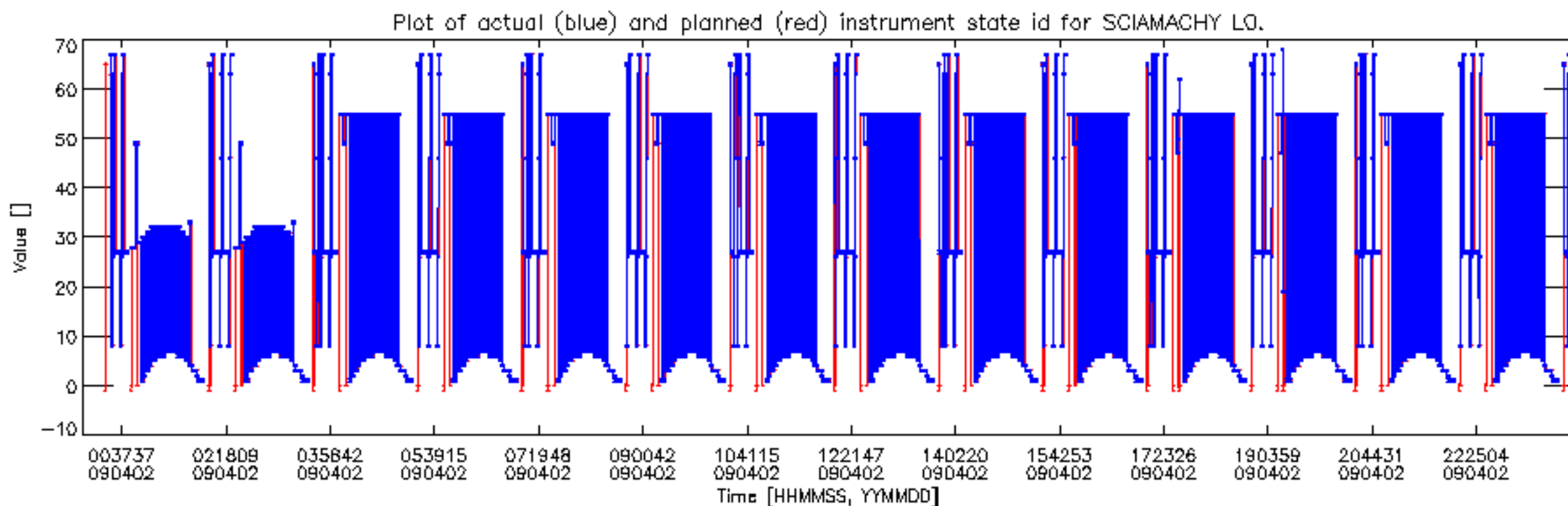












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 02APR2009.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

