

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	v1.4 20100407
Time of report generation	09JAN2012 03:05:12
Data source version	KSPT_L0/4504-N
Processing scope for products	02JAN2012 00:00:00 to 03JAN2012 00:00:00
Start time of first product within scope	02JAN2012 01:14:31
Stop time of last product within scope	03JAN2012 00:31:54
Total number of Level 0 products	13
Number of Level 0 products with errors	0

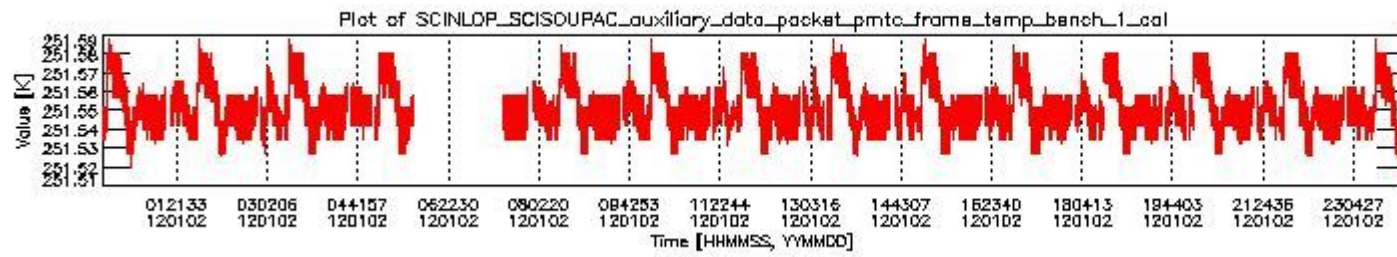
0.1.2 Summary per product

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

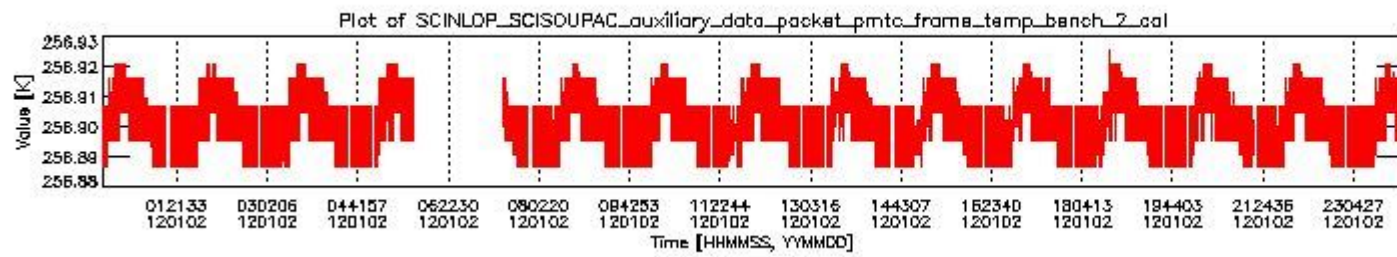
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20120102_011431_000099413110_00160_51467_4620.N1	02JAN2012 01:14:31	02JAN2012 04:00:13	0	0	0	0	0
1	SCI_NL__OPNPDE20120102_035919_000062593110_00162_51469_4621.N1	02JAN2012 03:59:19	02JAN2012 05:43:38	0	0	0	0	0
2	SCI_NL__OPNPDK20120102_072352_000039963110_00164_51471_6818.N1	02JAN2012 07:23:52	02JAN2012 08:30:27	0	0	0	0	0
3	SCI_NL__OPNPDK20120102_082919_000061363110_00165_51472_6819.N1	02JAN2012 08:29:19	02JAN2012 10:11:35	0	0	0	0	0
4	SCI_NL__OPNPDK20120102_101027_000060283110_00166_51473_6820.N1	02JAN2012 10:10:27	02JAN2012 11:50:55	0	0	0	0	0
5	SCI_NL__OPNPDK20120102_114946_000059603110_00167_51474_6821.N1	02JAN2012 11:49:46	02JAN2012 13:29:06	0	0	0	0	0
6	SCI_NL__OPNPDK20120102_132812_000058223110_00168_51475_6822.N1	02JAN2012 13:28:12	02JAN2012 15:05:13	0	0	0	0	0
7	SCI_NL__OPNPDK20120102_150513_000060143110_00169_51476_6823.N1	02JAN2012 15:05:13	02JAN2012 16:45:27	0	0	0	0	0
8	SCI_NL__OPNPDK20120102_164338_000059053110_00170_51477_6824.N1	02JAN2012 16:43:38	02JAN2012 18:22:03	0	0	0	0	0
9	SCI_NL__OPNPDK20120102_182203_000057853110_00171_51478_6825.N1	02JAN2012 18:22:03	02JAN2012 19:58:28	0	0	0	0	0
10	SCI_NL__OPNPDE20120102_195828_000040543110_00172_51479_4623.N1	02JAN2012 19:58:28	02JAN2012 21:06:02	0	0	0	0	0
11	SCI_NL__OPNPDE20120102_210453_000064223110_00172_51479_4624.N1	02JAN2012 21:04:53	02JAN2012 22:51:55	0	0	0	0	0
12	SCI_NL__OPNPDE20120102_225155_000059993110_00173_51480_4625.N1	02JAN2012 22:51:55	03JAN2012 00:31:54	0	0	0	0	0

0.2 Product Quality Indicators

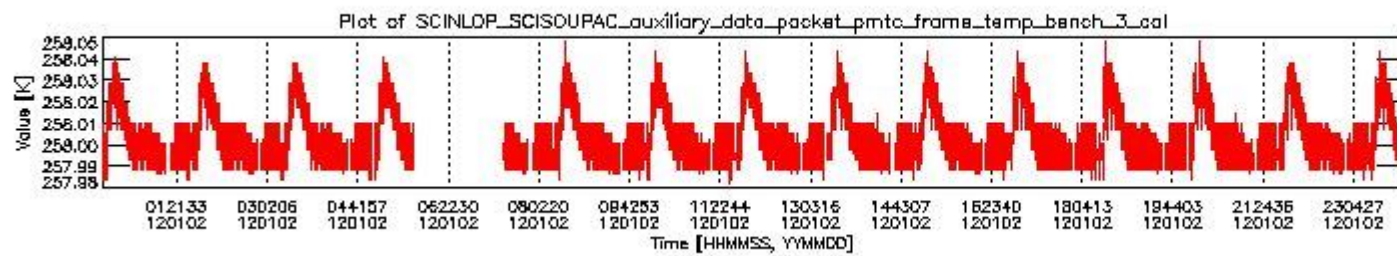
This section shows information about product quality, currently temperatures.



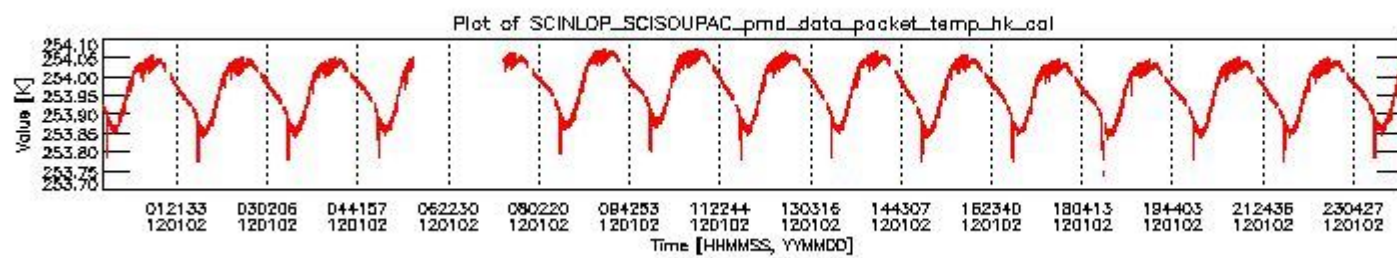
sciamachy_daily_report_level0_KSPT_L0_4504_N_20120102_0.PNG



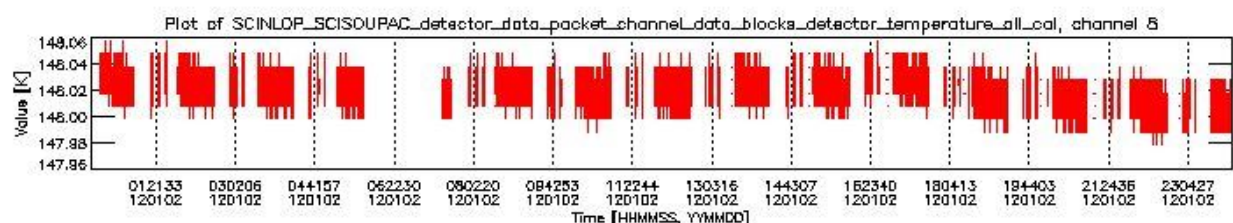
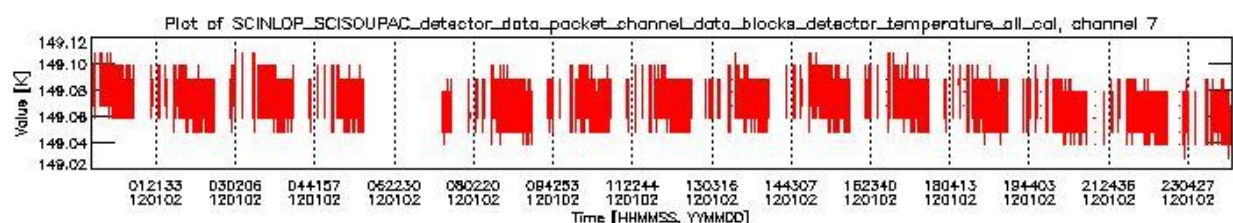
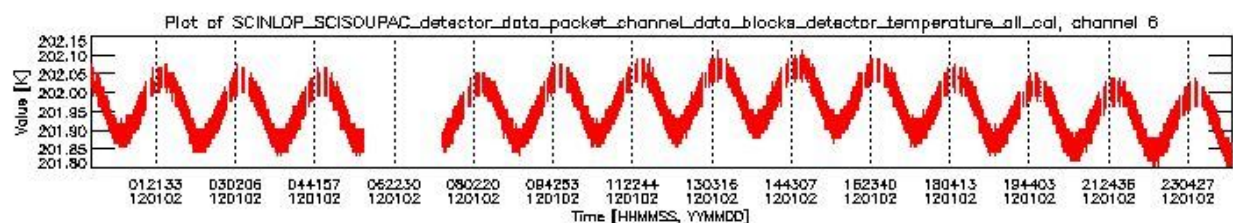
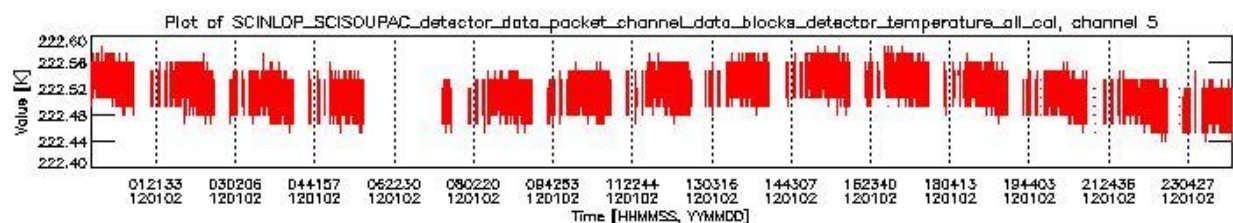
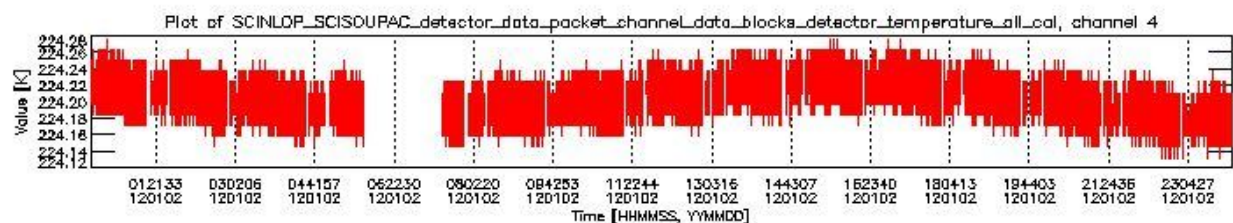
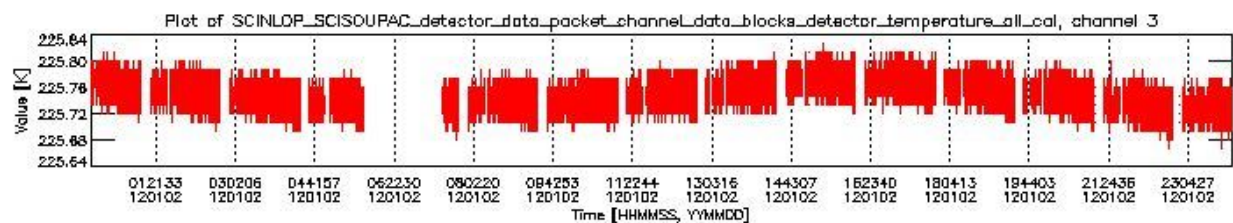
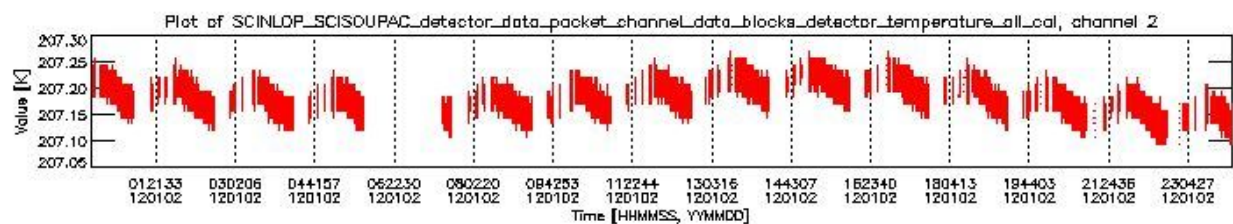
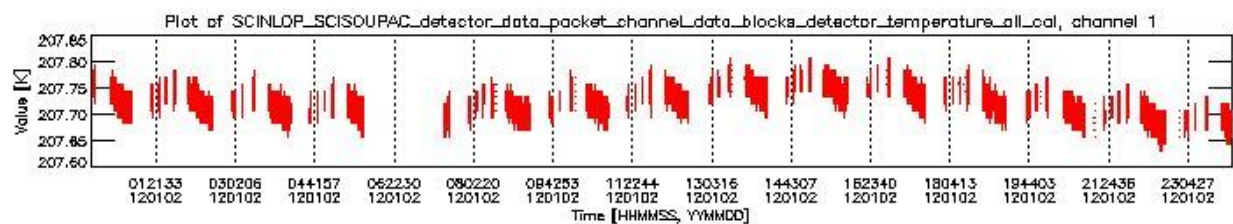
sciamachy_daily_report_level0_KSPT_L0_4504_N_20120102_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20120102_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20120102_3.PNG

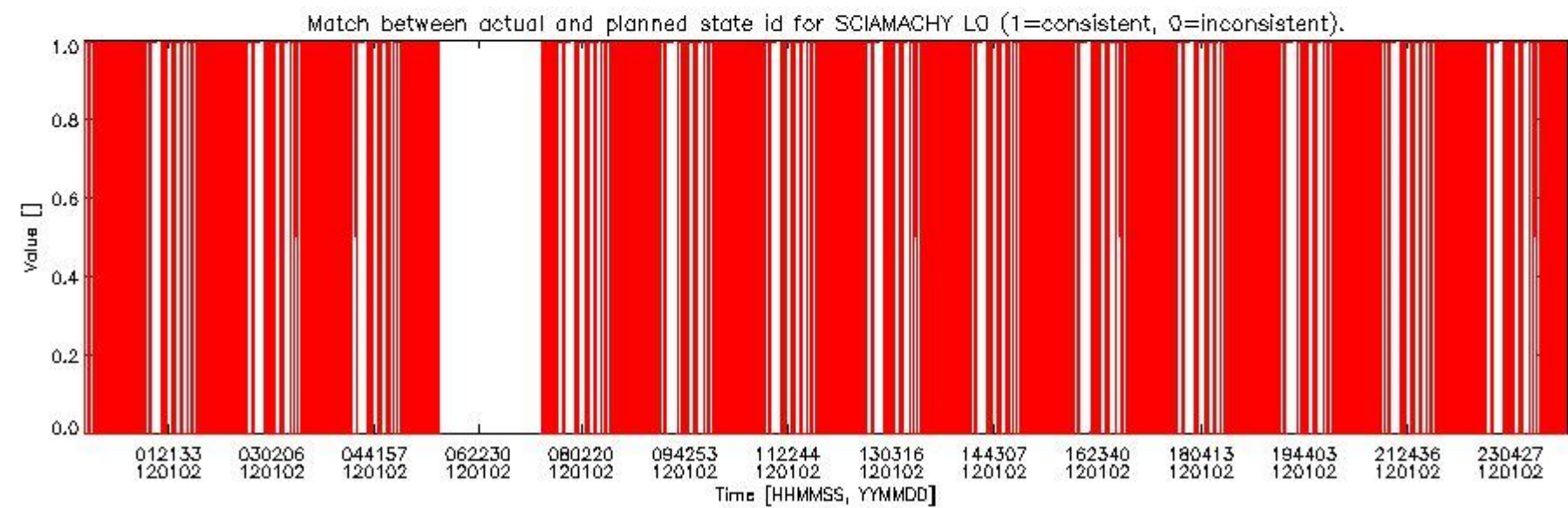
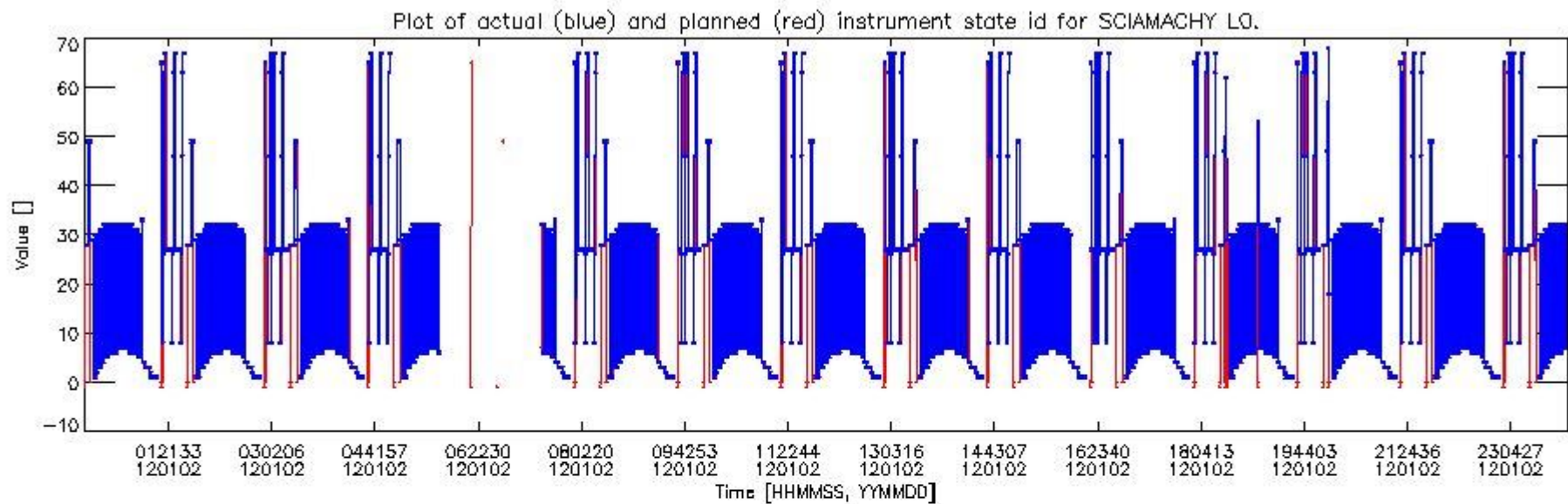


0.3 State monitoring

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: **40602**

#	Actual time	Actual value	Planned time	Planned value
0	02JAN2012 00:03:09.934556	49	02JAN2012 00:03:09.934556	28
1	02JAN2012 00:03:10.122056	49	02JAN2012 00:03:10.122056	28
2	02JAN2012 00:03:10.184556	49	02JAN2012 00:03:10.184556	28
3	02JAN2012 00:03:10.247056	49	02JAN2012 00:03:10.247056	28
4	02JAN2012 00:03:10.309556	49	02JAN2012 00:03:10.309556	28
5	02JAN2012 00:03:10.372056	49	02JAN2012 00:03:10.372056	28
6	02JAN2012 00:03:10.434556	49	02JAN2012 00:03:10.434556	28
7	02JAN2012 00:03:10.497056	49	02JAN2012 00:03:10.497056	28
8	02JAN2012 00:03:10.559556	49	02JAN2012 00:03:10.559556	28
9	02JAN2012 00:03:10.622056	49	02JAN2012 00:03:10.622056	28
10	02JAN2012 00:03:10.684556	49	02JAN2012 00:03:10.684556	28
11	02JAN2012 00:03:10.747056	49	02JAN2012 00:03:10.747056	28
12	02JAN2012 00:03:10.809556	49	02JAN2012 00:03:10.809556	28
13	02JAN2012 00:03:10.872056	49	02JAN2012 00:03:10.872056	28
14	02JAN2012 00:03:10.934556	49	02JAN2012 00:03:10.934556	28
15	02JAN2012 00:03:10.997056	49	02JAN2012 00:03:10.997056	28
16	02JAN2012 00:03:11.059556	49	02JAN2012 00:03:11.059556	28
17	02JAN2012 00:03:11.122056	49	02JAN2012 00:03:11.122056	28
18	02JAN2012 00:03:11.184556	49	02JAN2012 00:03:11.184556	28
19	02JAN2012 00:03:11.247056	49	02JAN2012 00:03:11.247056	28

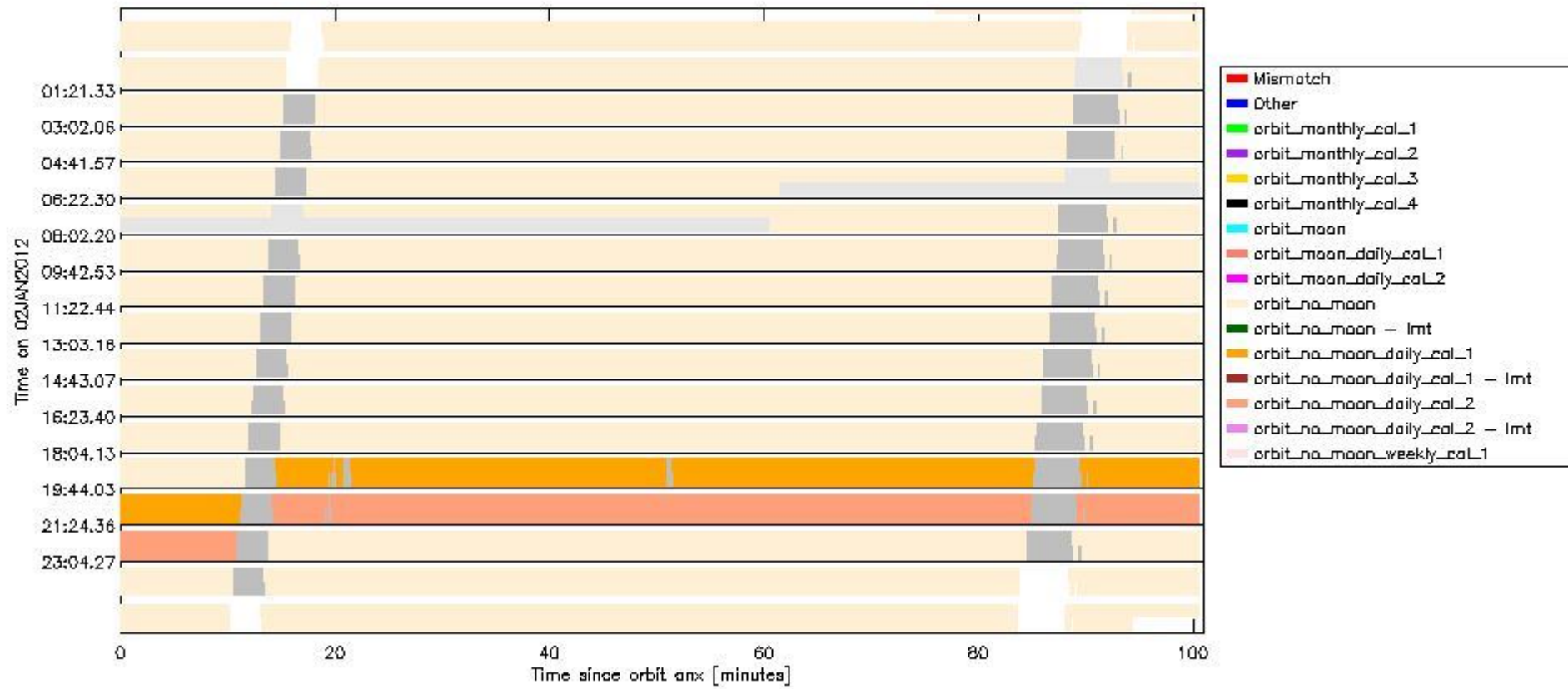


sciamachy_daily_report_level0_KSPT_L0_4504_N_20120102_5.PNG

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 02JAN2012.
 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_4504_N_20120102_6.PNG

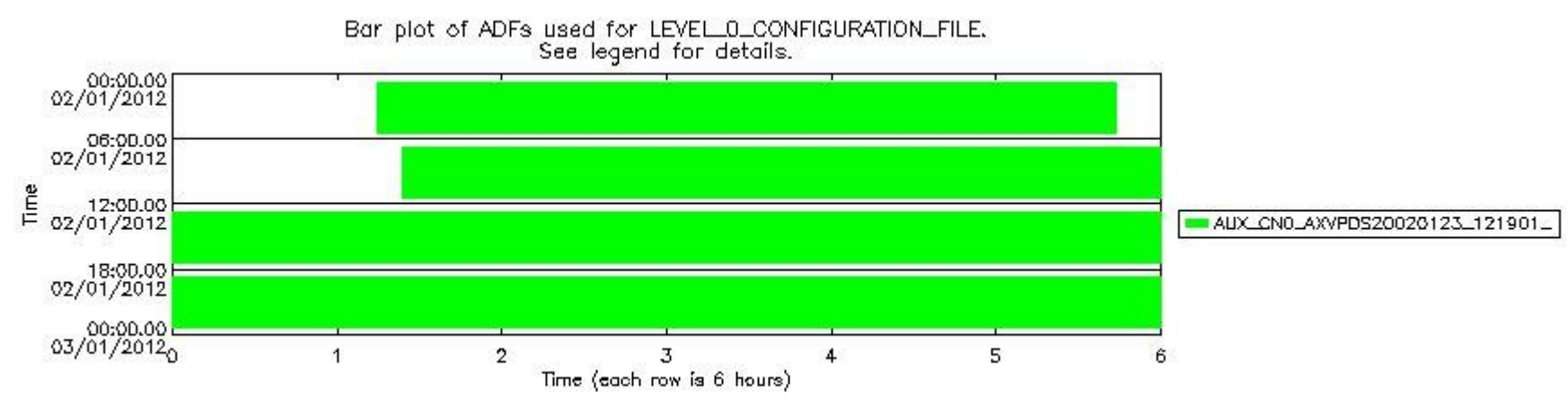
0.4 ADF monitoring

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

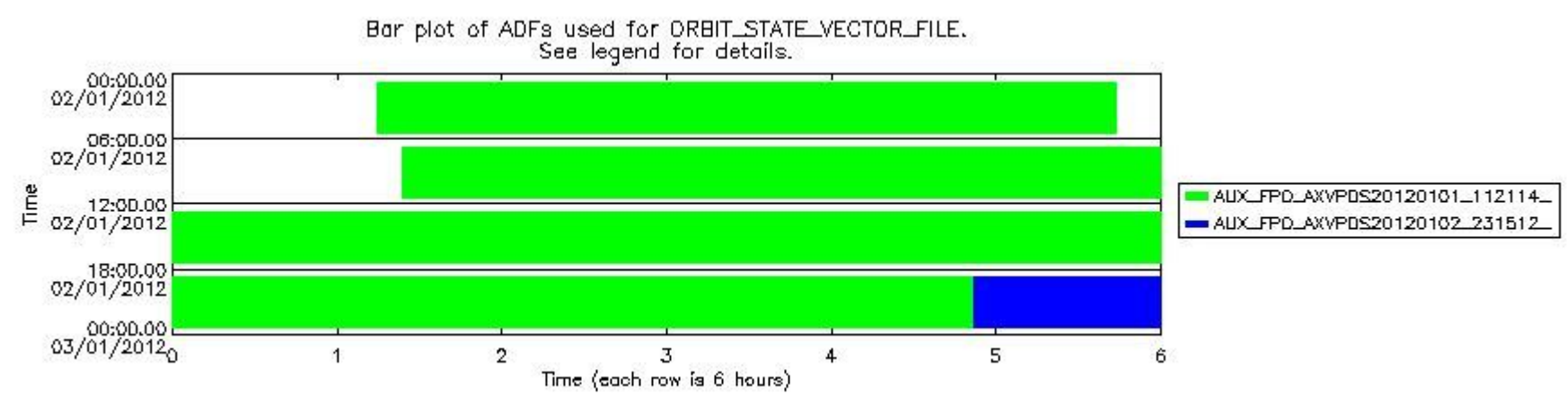
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

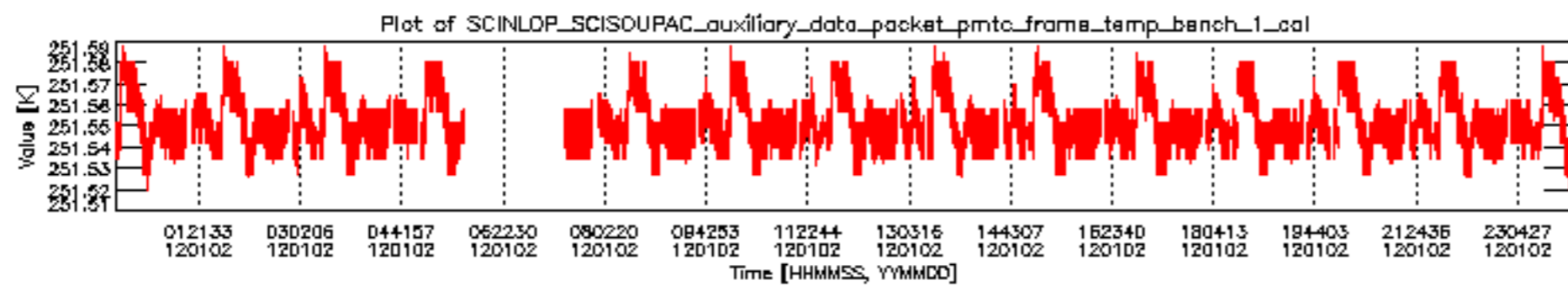
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20120101_112114_20111231_191723_20120110_213103
2	AUX_FPO_AXVPDS20120102_231512_20120101_184038_20120111_205418

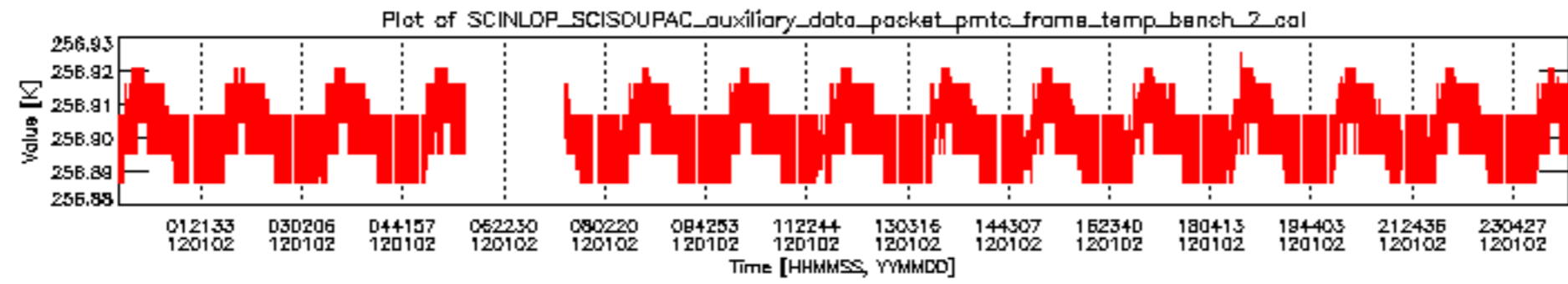


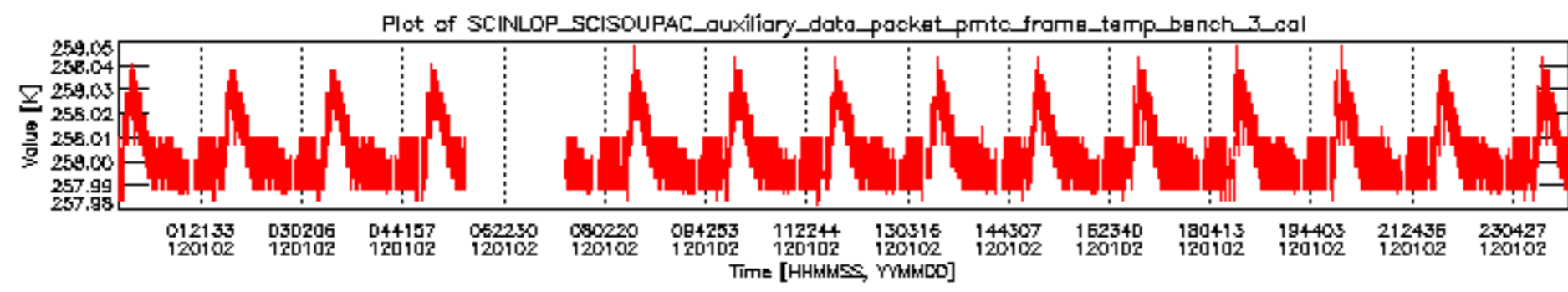
sciamachy_daily_report_level0_KSPT_L0_4504_N_20120102_7.PNG

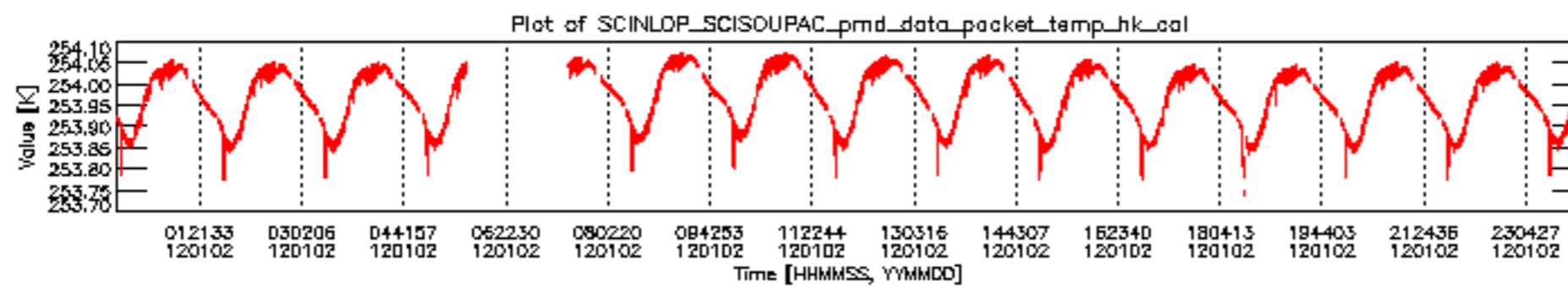


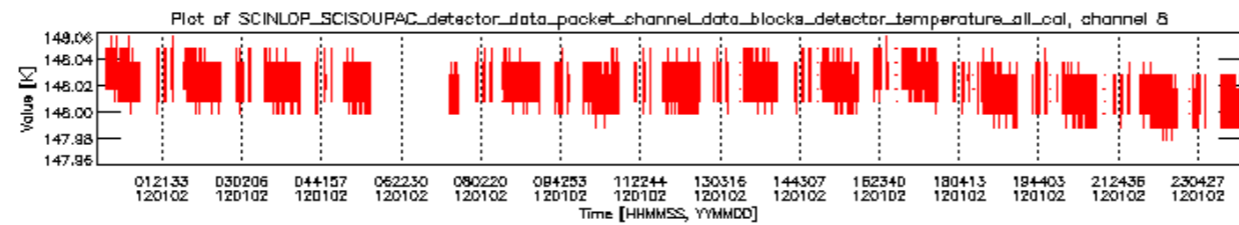
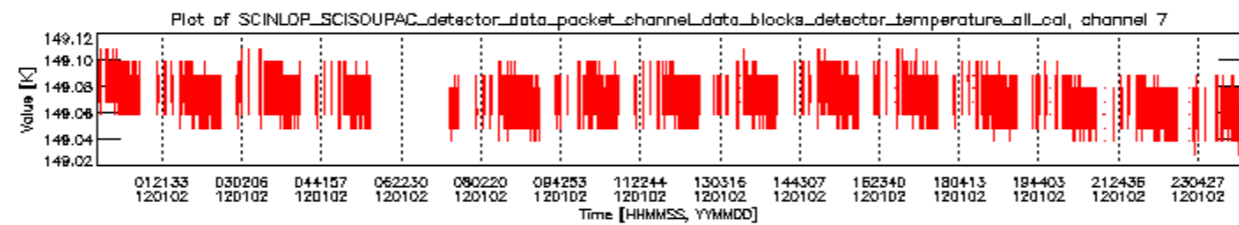
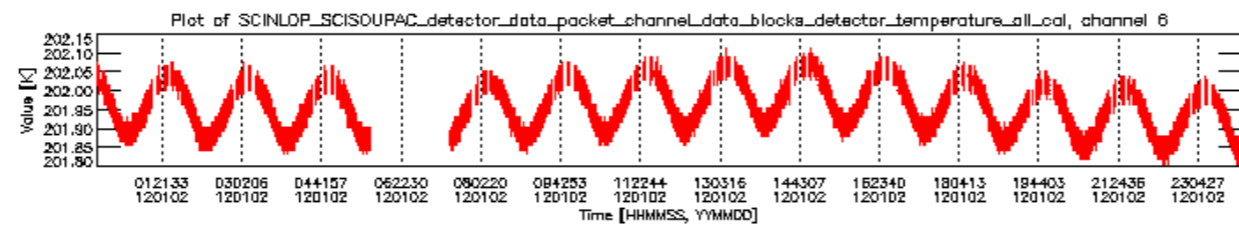
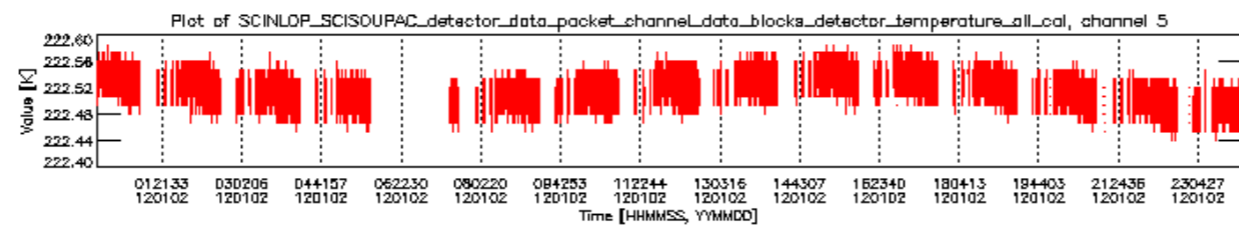
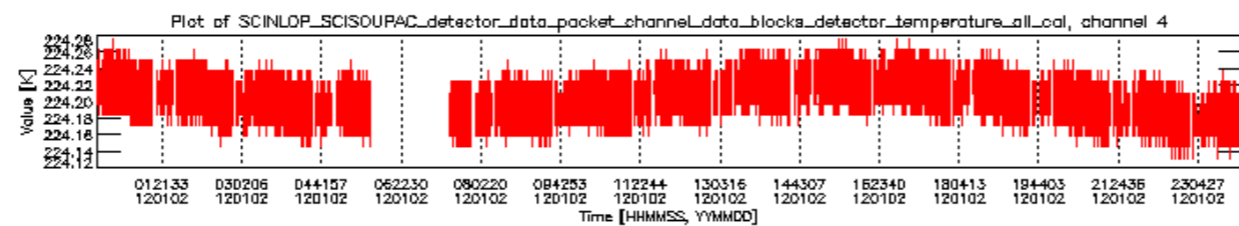
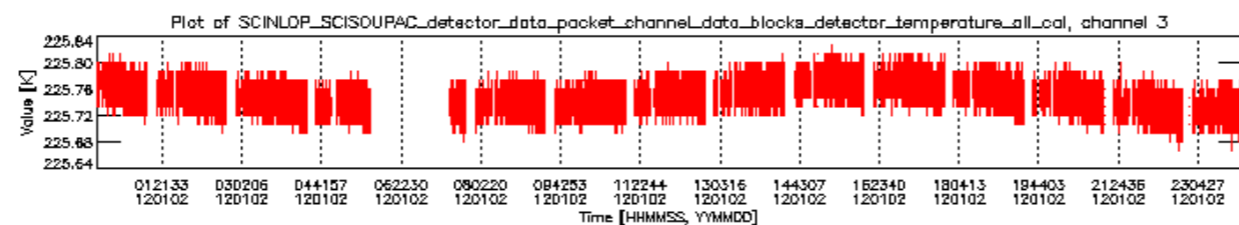
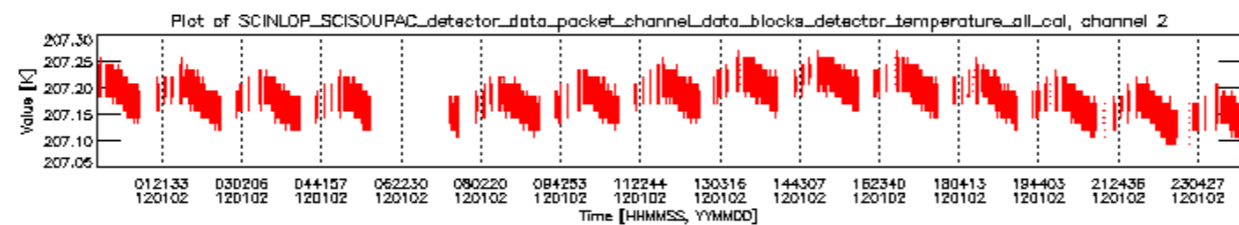
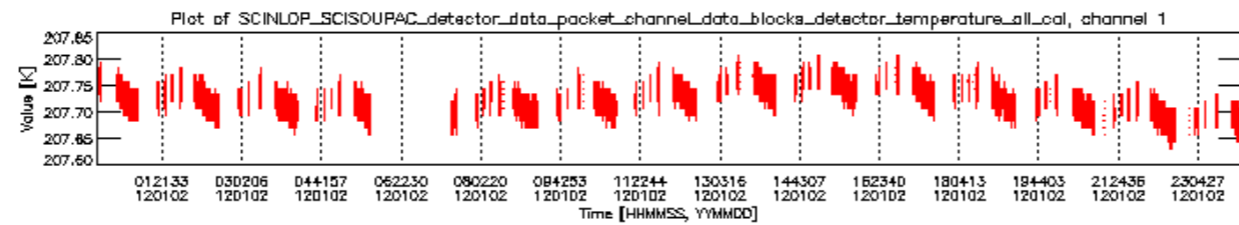
sciamachy_daily_report_level0_KSPT_L0_4504_N_20120102_8.PNG

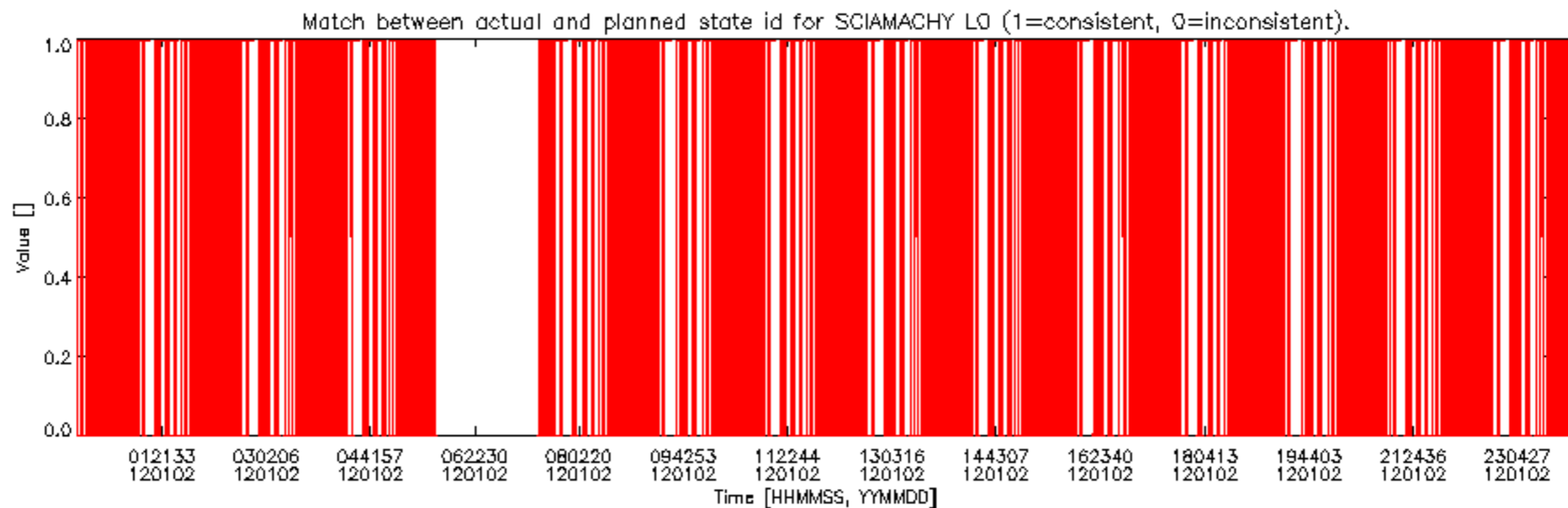
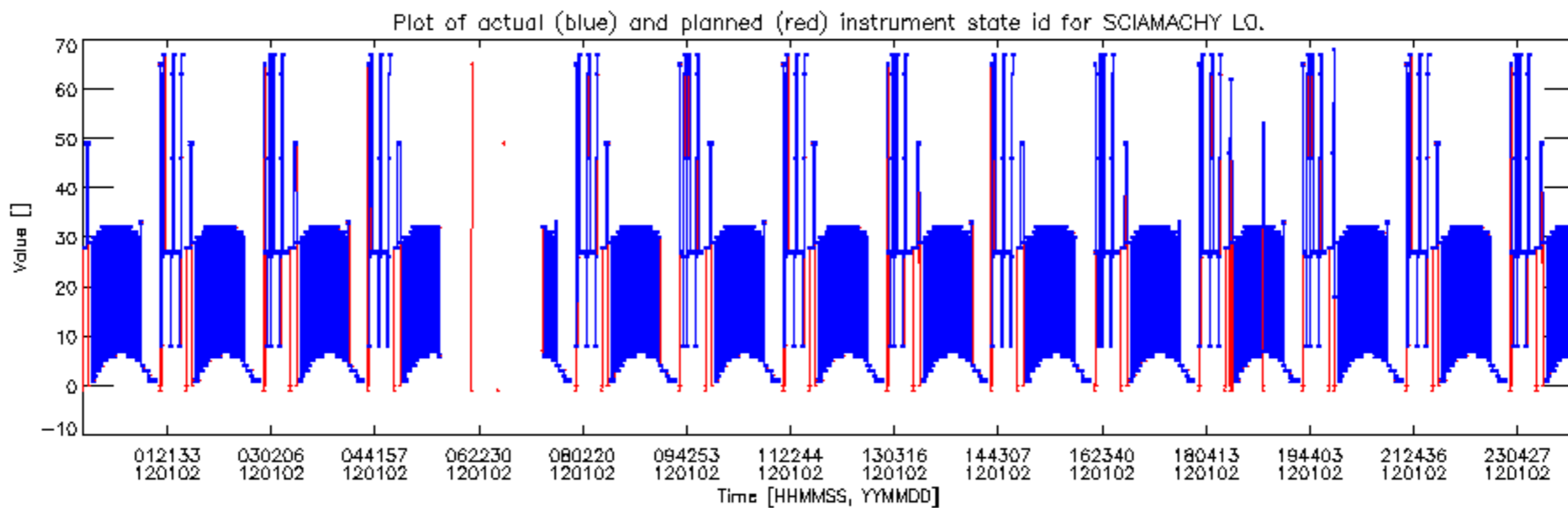












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 02JAN2012.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

