

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	02FEB2011 03:02:40
Data source version	KSPT_L0/4504-N
Processing scope for products	26JAN2011 00:00:00 to 27JAN2011 00:00:00
Start time of first product within scope	26JAN2011 01:12:28
Stop time of last product within scope	27JAN2011 00:29:03
Total number of Level 0 products	14
Number of Level 0 products with errors	0

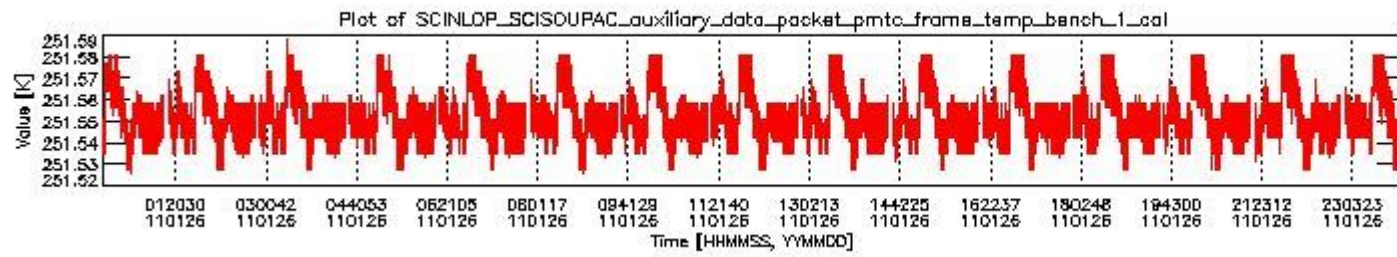
0.1.2 Summary per product

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

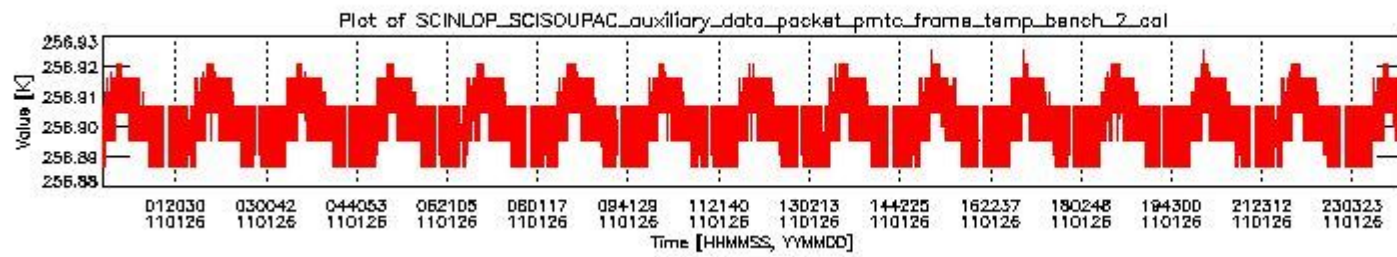
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20110126_011228_000099643099_00002_46568_2435.N1	26JAN2011 01:12:28	26JAN2011 03:58:32	0	0	0	0	0
1	SCI_NL__OPNPDE20110126_035832_000062593099_00004_46570_2436.N1	26JAN2011 03:58:32	26JAN2011 05:42:51	0	0	0	0	0
2	SCI_NL__OPNPDE20110126_054157_000060683099_00005_46571_2437.N1	26JAN2011 05:41:57	26JAN2011 07:23:05	0	0	0	0	0
3	SCI_NL__OPNPDK20110126_072156_000038733099_00006_46572_3663.N1	26JAN2011 07:21:56	26JAN2011 08:26:29	0	0	0	0	0
4	SCI_NL__OPNPDK20110126_082535_000061223099_00007_46573_3664.N1	26JAN2011 08:25:35	26JAN2011 10:07:37	0	0	0	0	0
5	SCI_NL__OPNPDK20110126_100643_000061363099_00008_46574_3665.N1	26JAN2011 10:06:43	26JAN2011 11:48:59	0	0	0	0	0
6	SCI_NL__OPNPDK20110126_114656_000061363099_00009_46575_3666.N1	26JAN2011 11:46:56	26JAN2011 13:29:13	0	0	0	0	0
7	SCI_NL__OPNPDK20110126_132804_000056593099_00010_46576_3667.N1	26JAN2011 13:28:04	26JAN2011 15:02:23	0	0	0	0	0
8	SCI_NL__OPNPDK20110126_150223_000060143099_00011_46577_3668.N1	26JAN2011 15:02:23	26JAN2011 16:42:37	0	0	0	0	0
9	SCI_NL__OPNPDK20110126_164237_000058503099_00012_46578_3669.N1	26JAN2011 16:42:37	26JAN2011 18:20:07	0	0	0	0	0
10	SCI_NL__OPNPDK20110126_181913_000060143099_00013_46579_3670.N1	26JAN2011 18:19:13	26JAN2011 19:59:26	0	0	0	0	0
11	SCI_NL__OPNPDE20110126_195926_000040343099_00014_46580_2438.N1	26JAN2011 19:59:26	26JAN2011 21:06:41	0	0	0	0	0
12	SCI_NL__OPNPDE20110126_210532_000062123099_00014_46580_2439.N1	26JAN2011 21:05:32	26JAN2011 22:49:04	0	0	0	0	0
13	SCI_NL__OPNPDE20110126_225526_000056173099_00015_46581_2440.N1	26JAN2011 22:55:26	27JAN2011 00:29:03	0	0	0	0	0

0.2 Product Quality Indicators

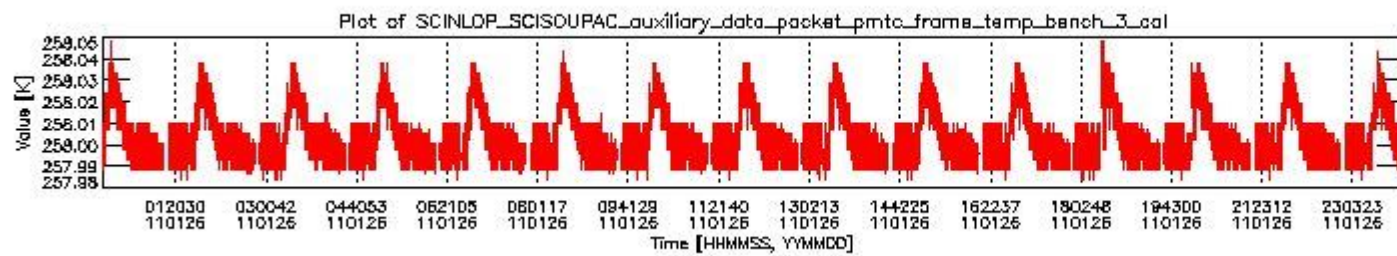
This section shows information about product quality, currently temperatures.



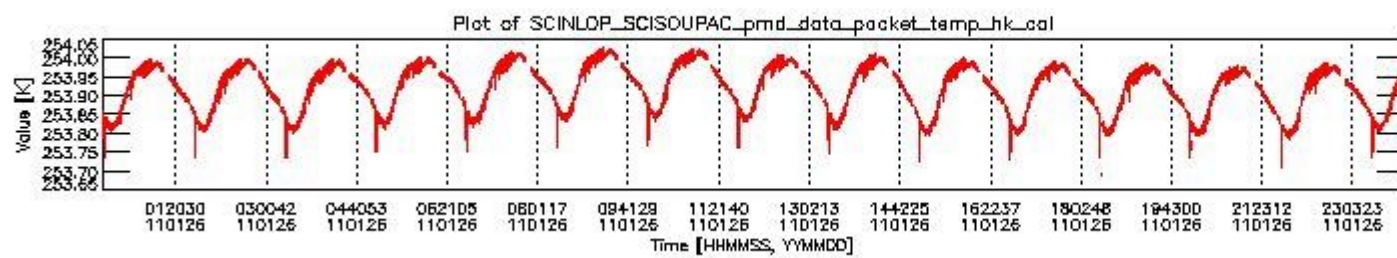
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110126_0.PNG



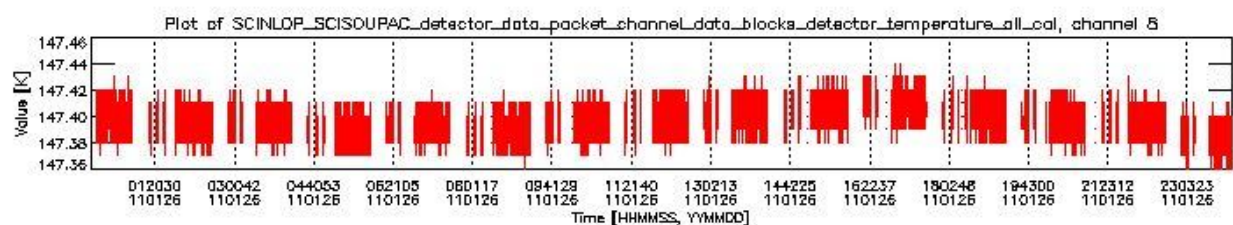
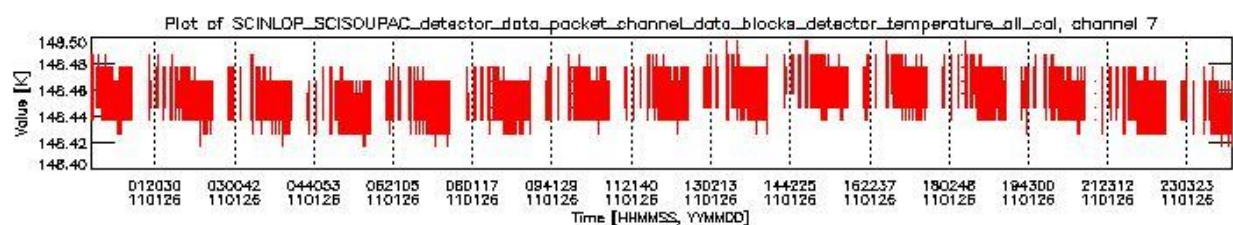
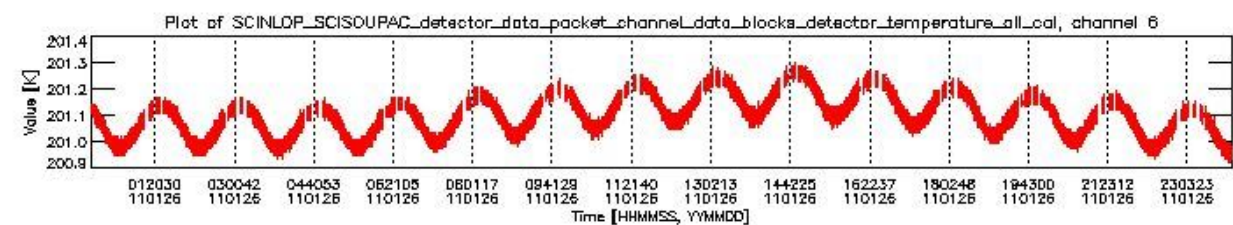
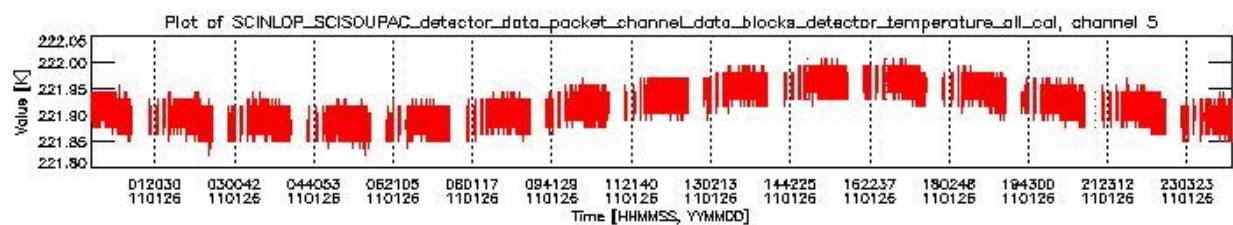
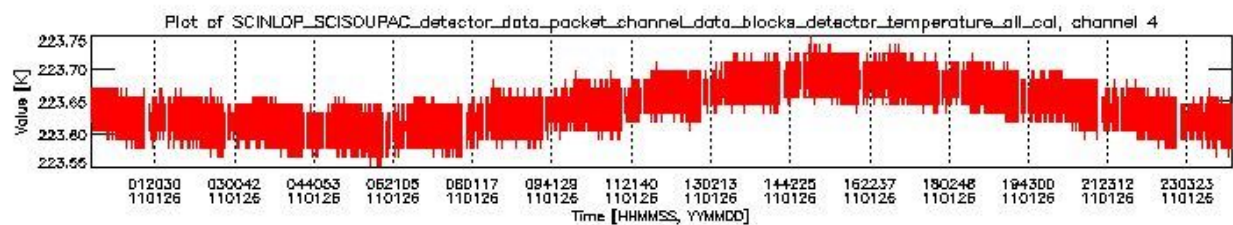
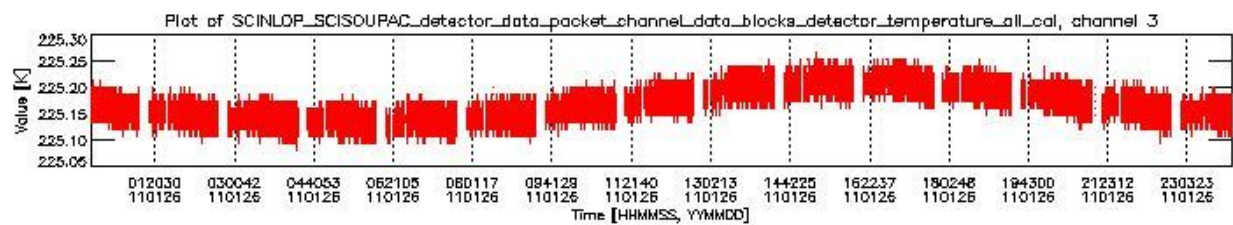
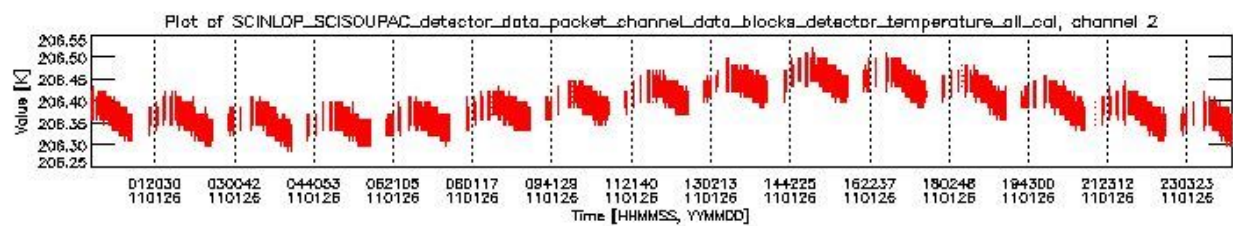
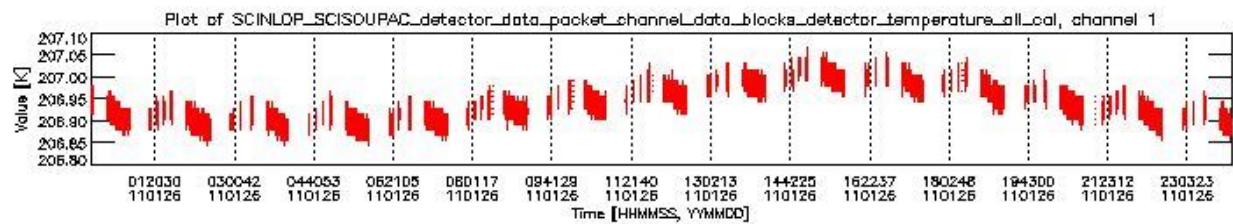
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110126_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20110126_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20110126_3.PNG

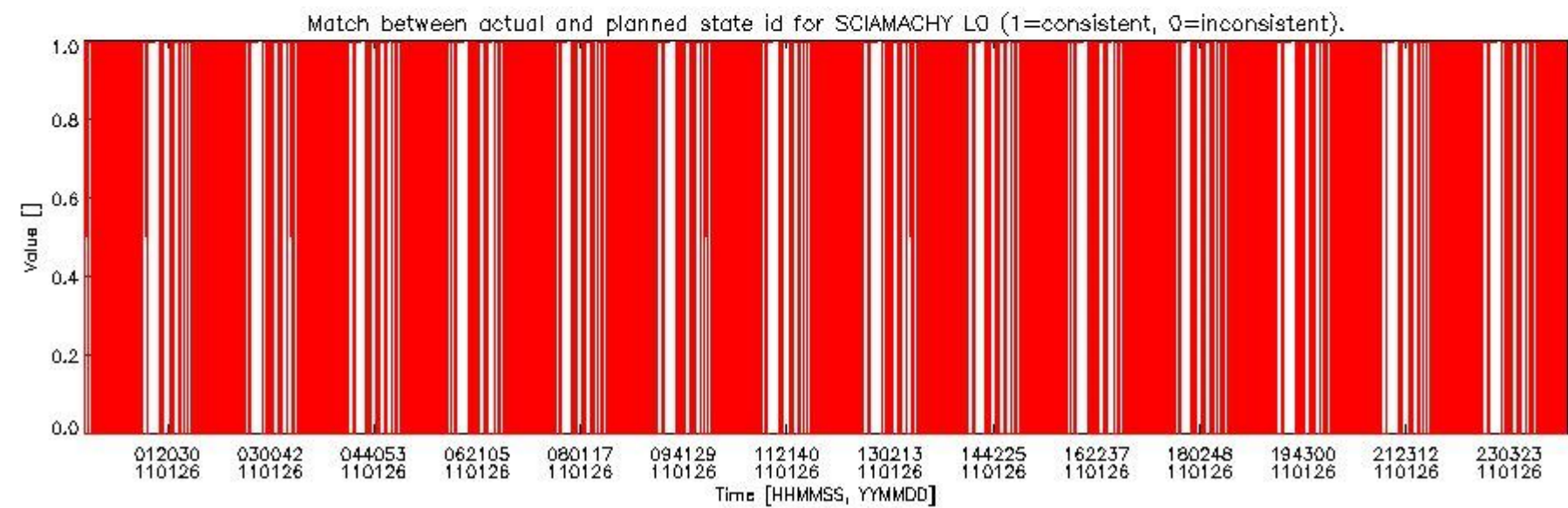
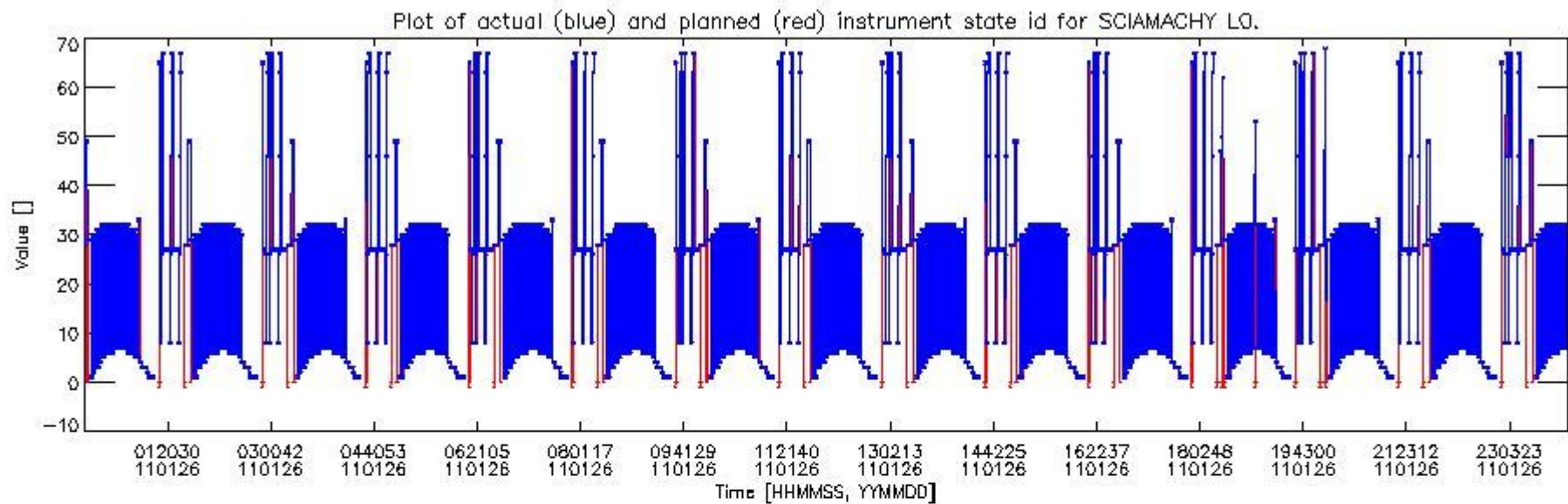


0.3 State monitoring

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: **30074**

#	Actual time	Actual value	Planned time	Planned value
0	26JAN2011 00:00:20.880354	49	26JAN2011 00:00:20.880354	28
1	26JAN2011 00:00:21.067854	49	26JAN2011 00:00:21.067854	28
2	26JAN2011 00:00:21.130354	49	26JAN2011 00:00:21.130354	28
3	26JAN2011 00:00:21.192854	49	26JAN2011 00:00:21.192854	28
4	26JAN2011 00:00:21.255354	49	26JAN2011 00:00:21.255354	28
5	26JAN2011 00:00:21.317854	49	26JAN2011 00:00:21.317854	28
6	26JAN2011 00:00:21.380354	49	26JAN2011 00:00:21.380354	28
7	26JAN2011 00:00:21.442854	49	26JAN2011 00:00:21.442854	28
8	26JAN2011 00:00:21.505354	49	26JAN2011 00:00:21.505354	28
9	26JAN2011 00:00:21.567854	49	26JAN2011 00:00:21.567854	28
10	26JAN2011 00:00:21.630354	49	26JAN2011 00:00:21.630354	28
11	26JAN2011 00:00:21.692854	49	26JAN2011 00:00:21.692854	28
12	26JAN2011 00:00:21.755354	49	26JAN2011 00:00:21.755354	28
13	26JAN2011 00:00:21.817854	49	26JAN2011 00:00:21.817854	28
14	26JAN2011 00:00:21.880354	49	26JAN2011 00:00:21.880354	28
15	26JAN2011 00:00:21.942854	49	26JAN2011 00:00:21.942854	28
16	26JAN2011 00:00:22.005354	49	26JAN2011 00:00:22.005354	28
17	26JAN2011 00:00:22.067854	49	26JAN2011 00:00:22.067854	28
18	26JAN2011 00:00:22.130354	49	26JAN2011 00:00:22.130354	28
19	26JAN2011 00:00:22.192854	49	26JAN2011 00:00:22.192854	28

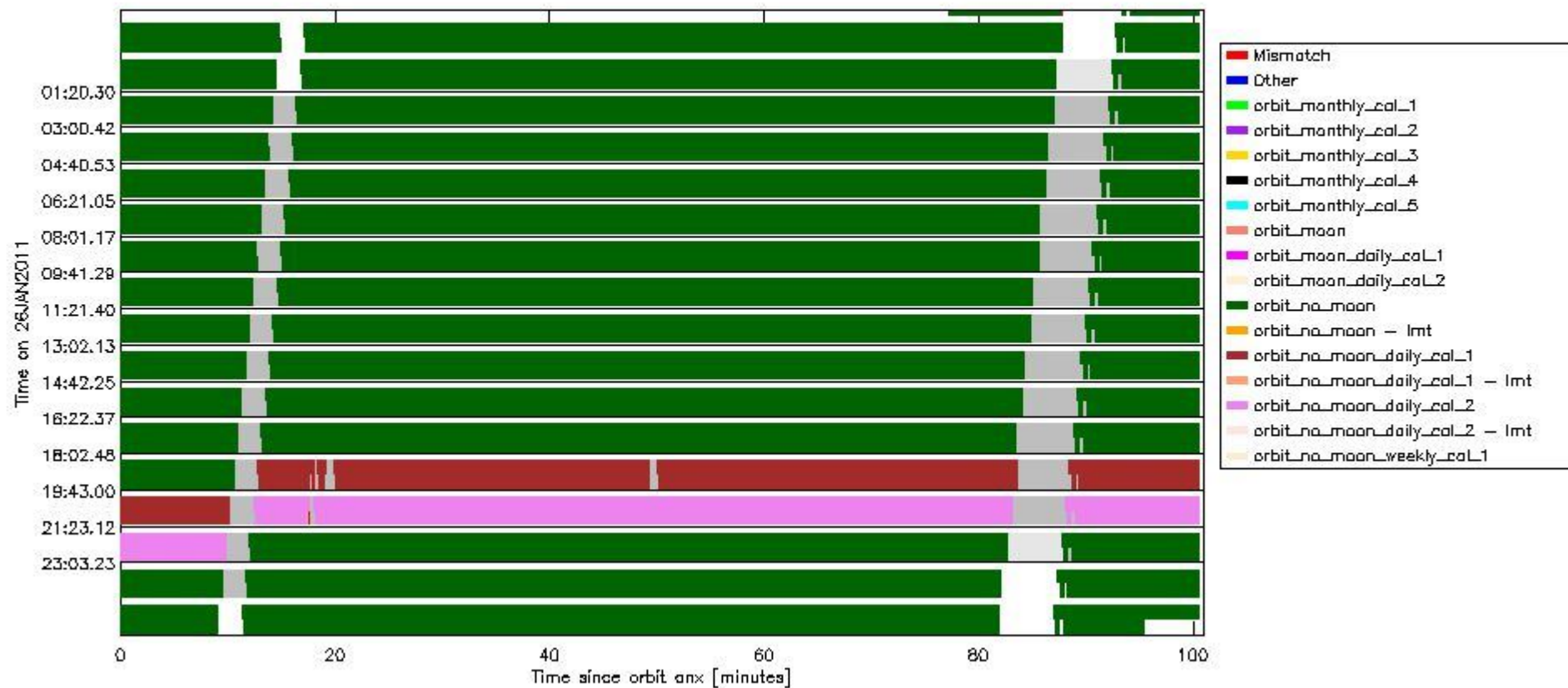


sciamachy_daily_report_level0_KSPT_L0_4504_N_20110126_5.PNG

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 26JAN2011.
 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_20110126_6.PNG

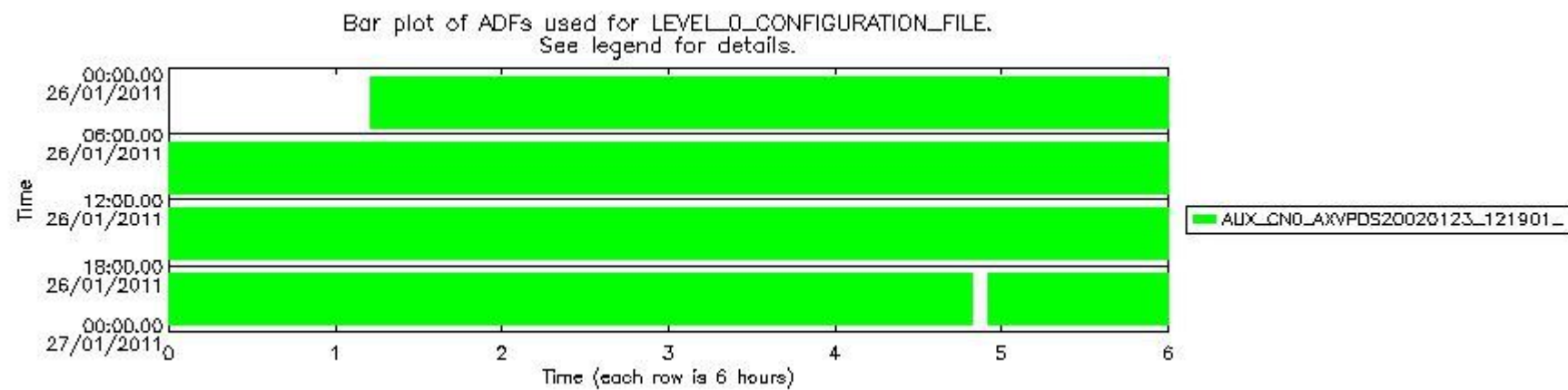
0.4 ADF monitoring

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

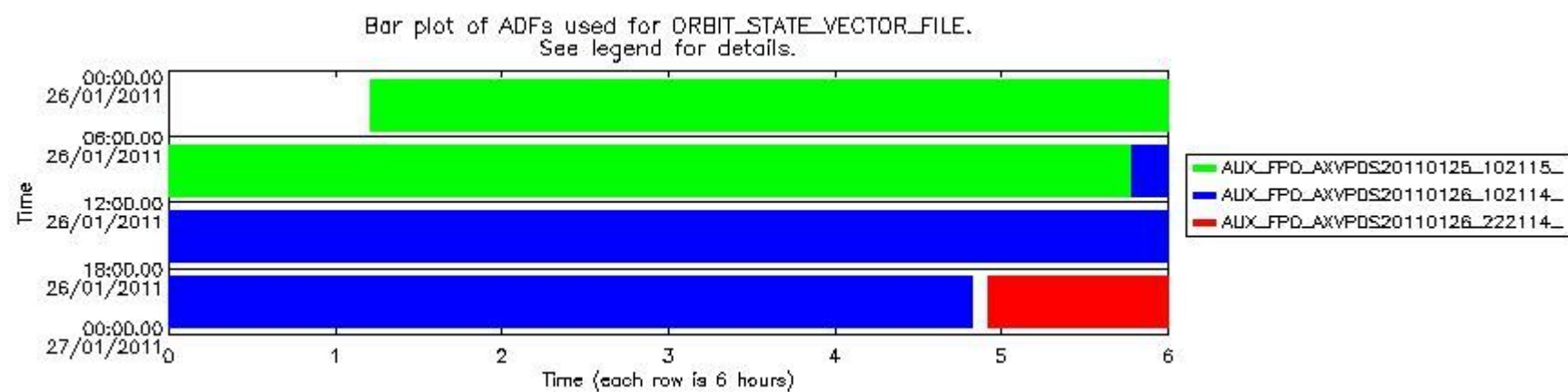
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

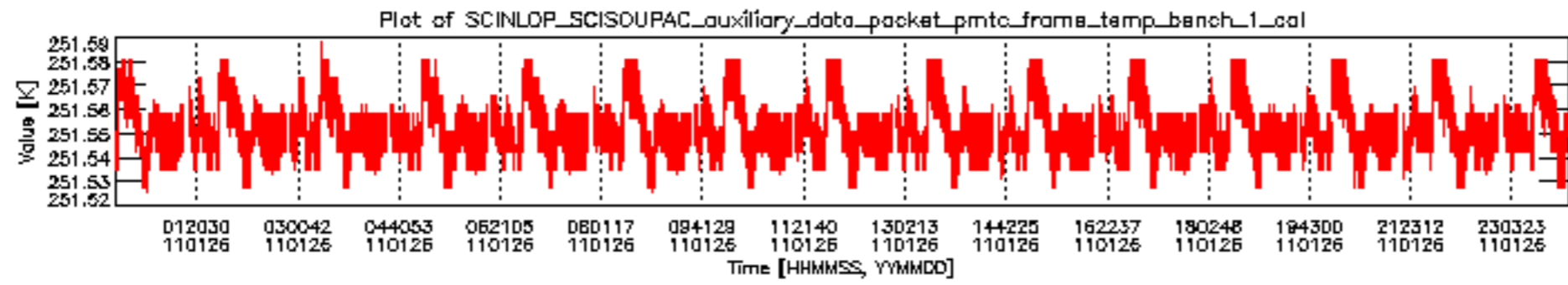
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20110125_102115_20110124_191612_20110203_213004
2	AUX_FPO_AXVPDS20110126_102114_20110125_183928_20110204_205320
3	AUX_FPO_AXVPDS20110126_222114_20110126_194259_20110205_201636

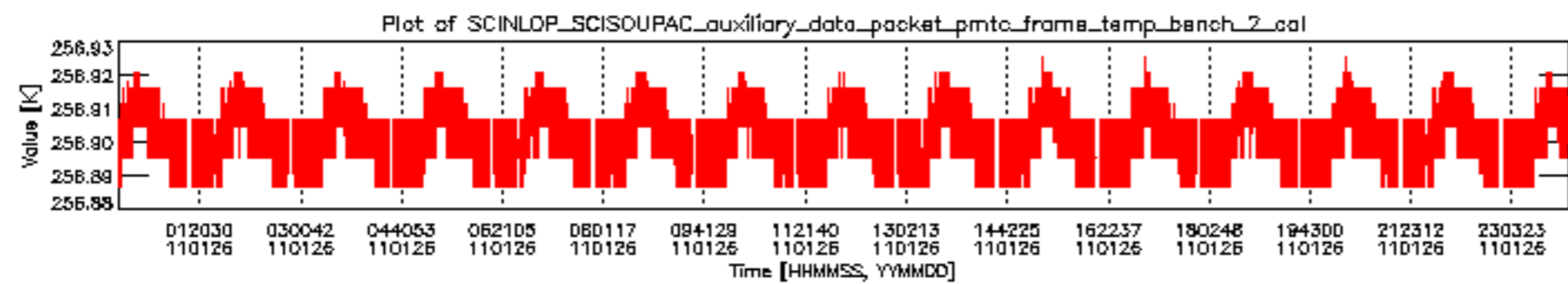


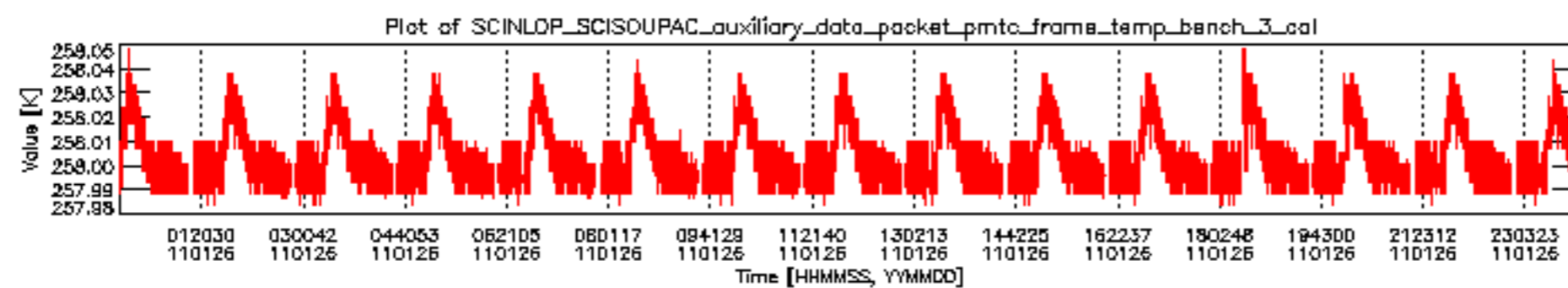
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110126_7.PNG

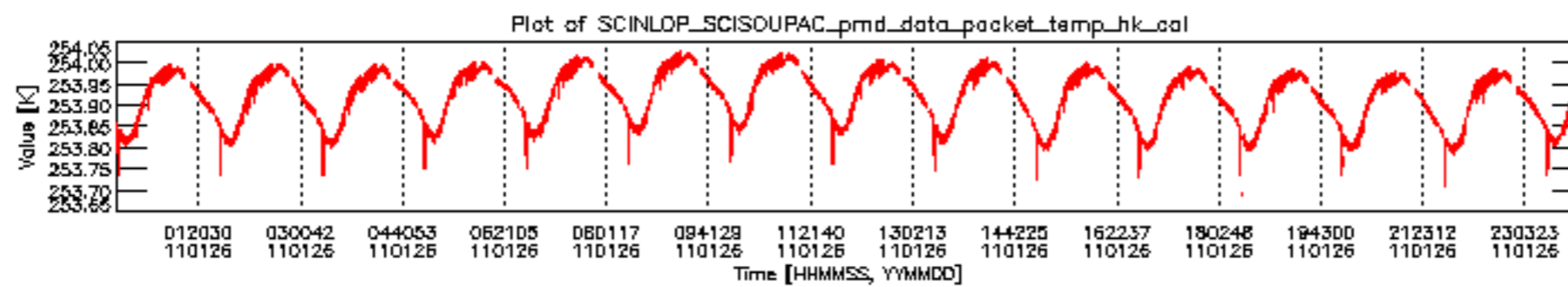


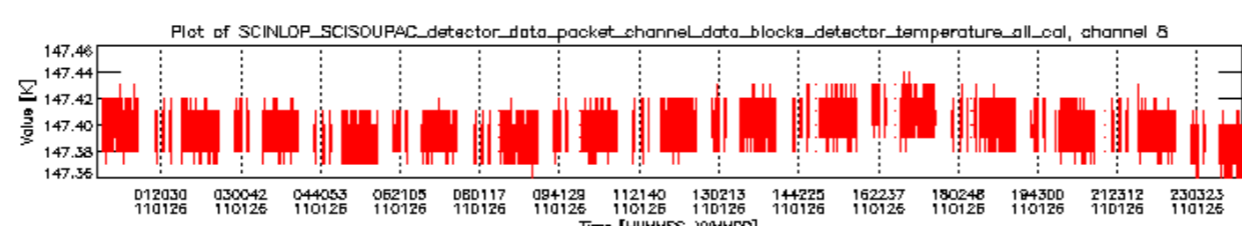
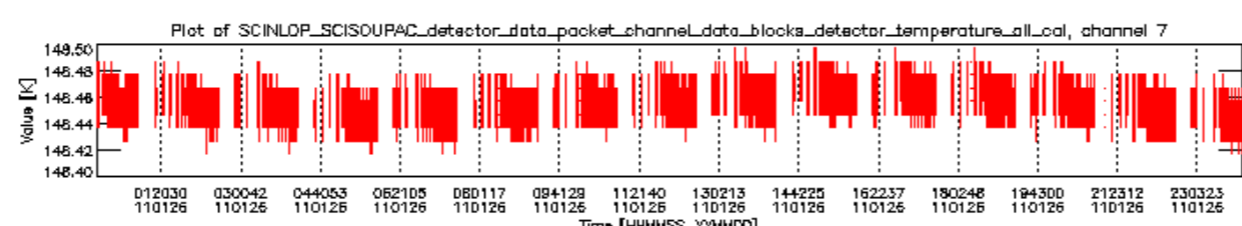
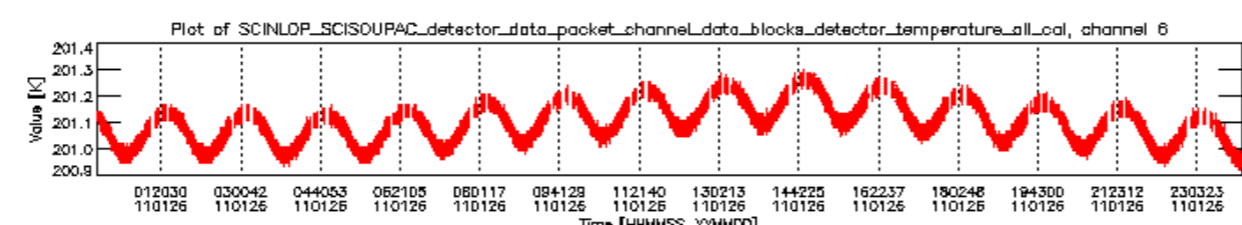
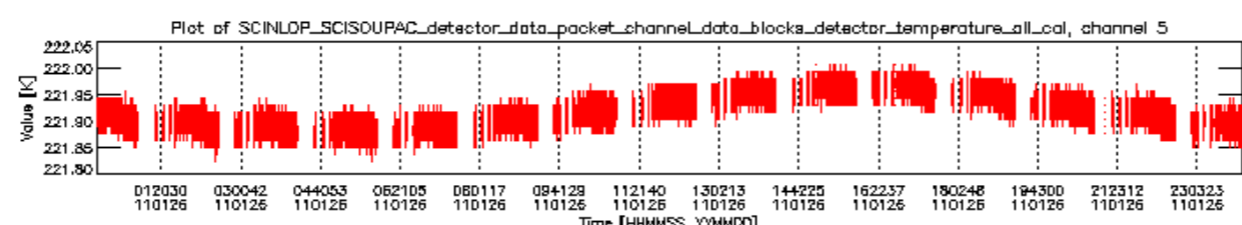
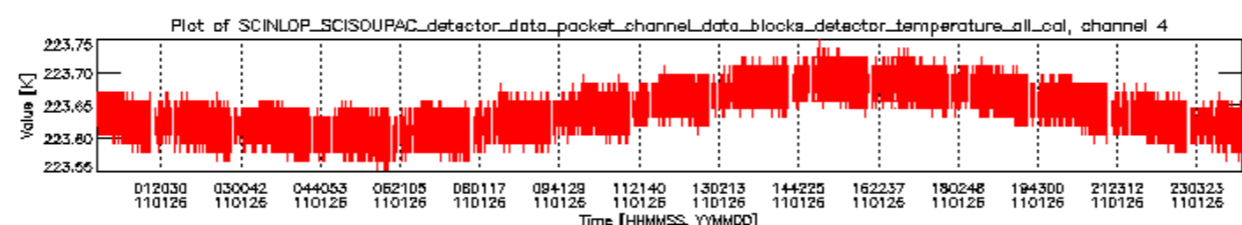
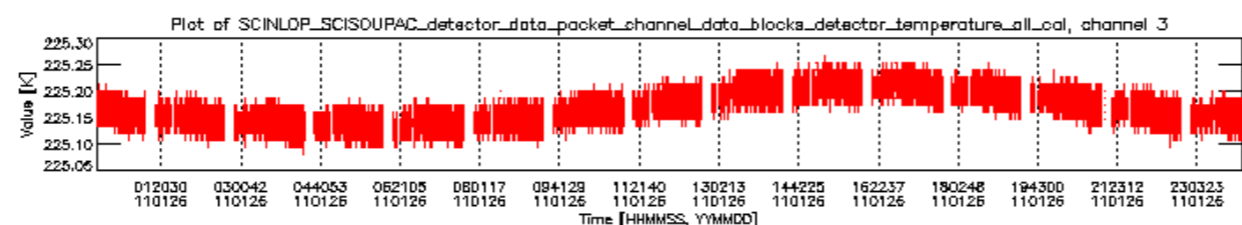
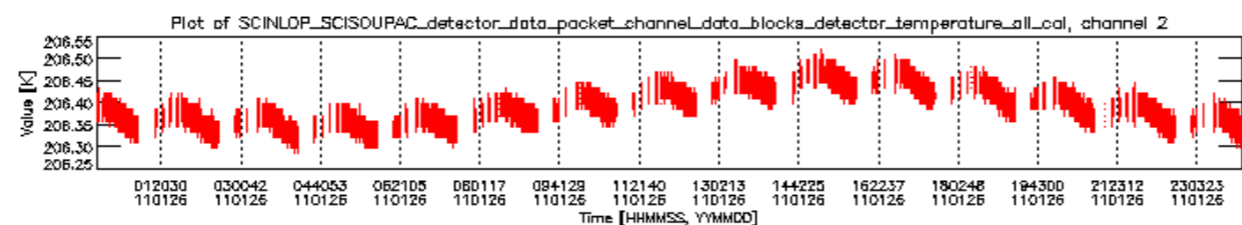
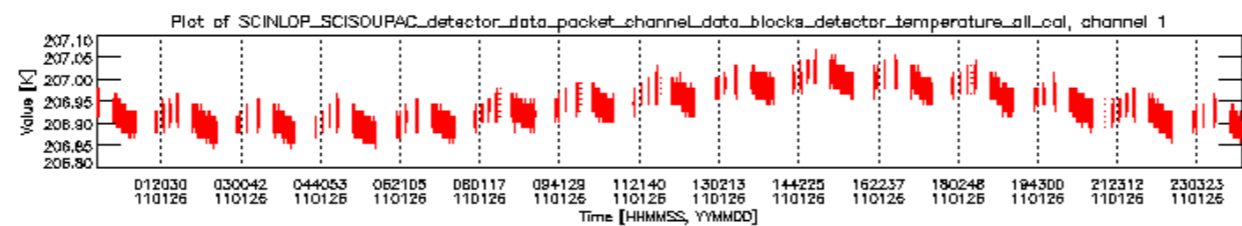
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110126_8.PNG

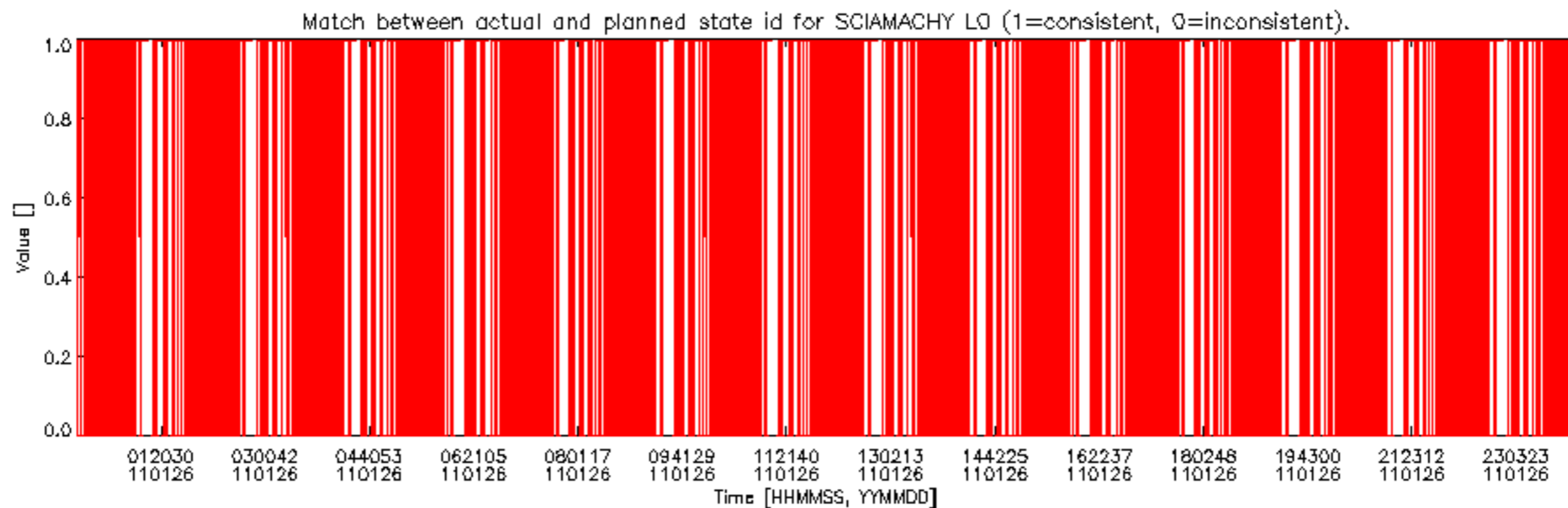
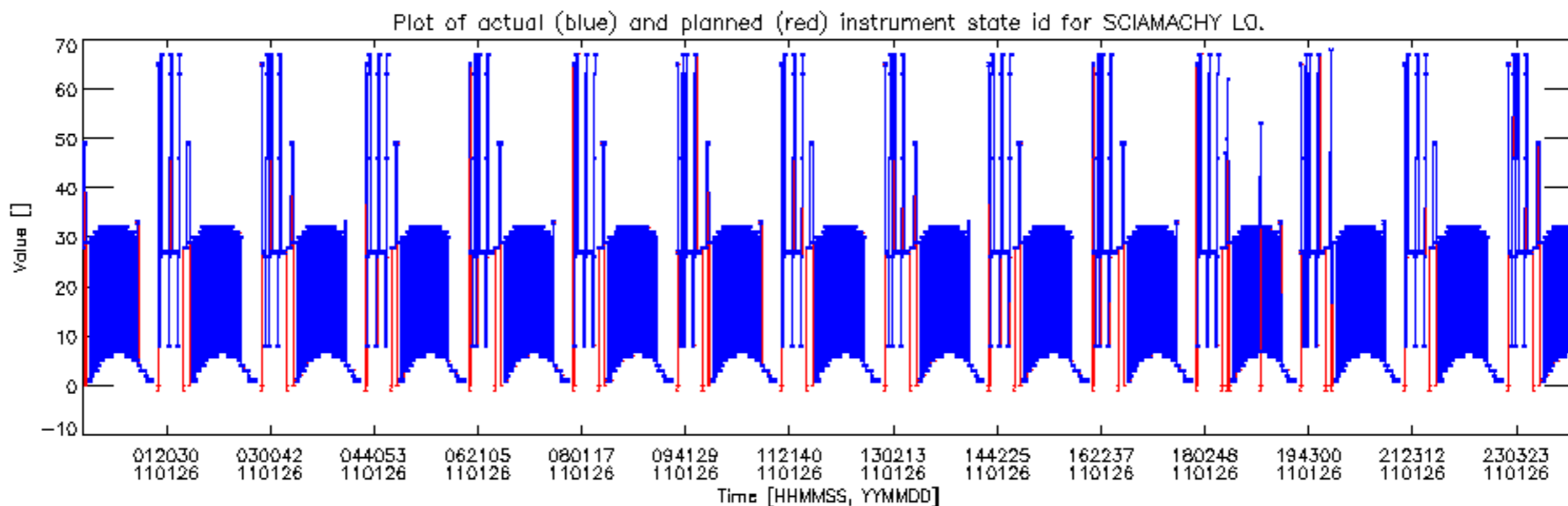




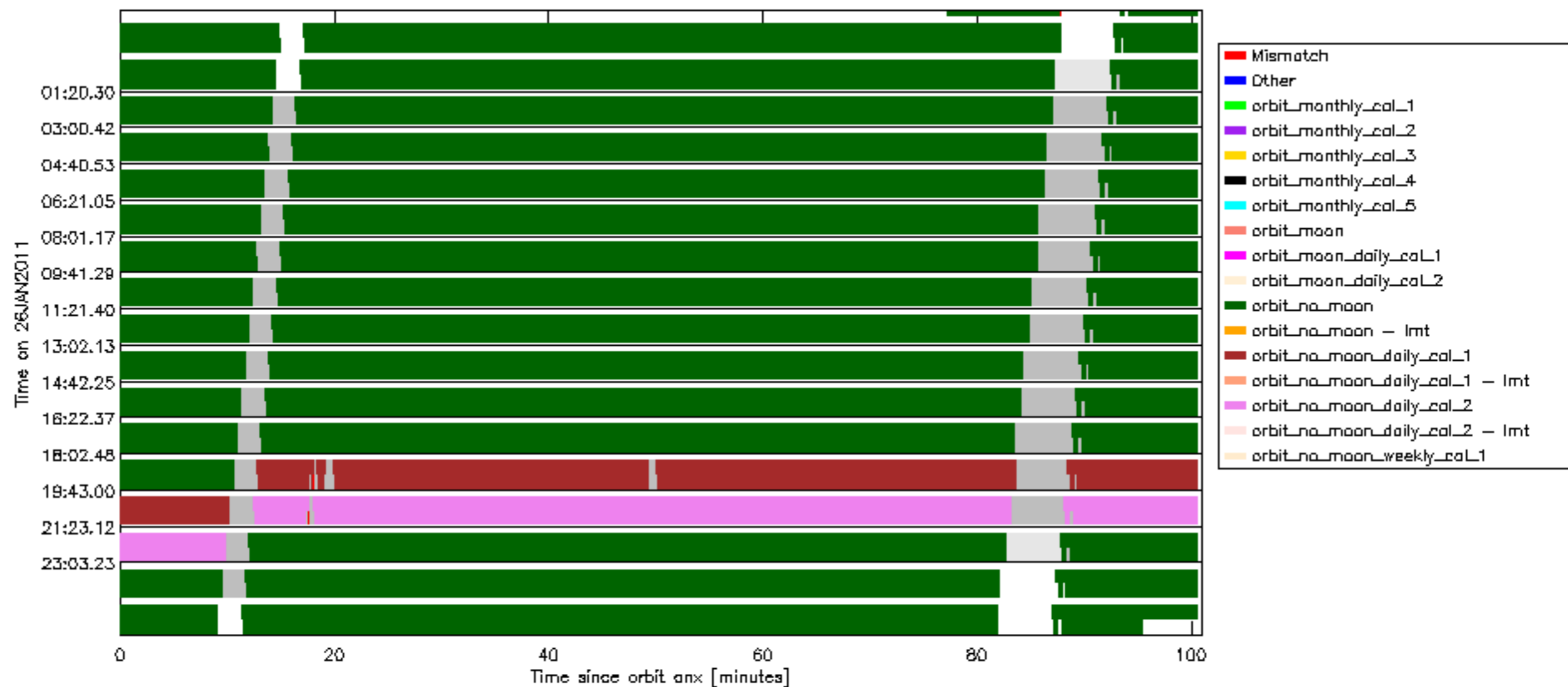


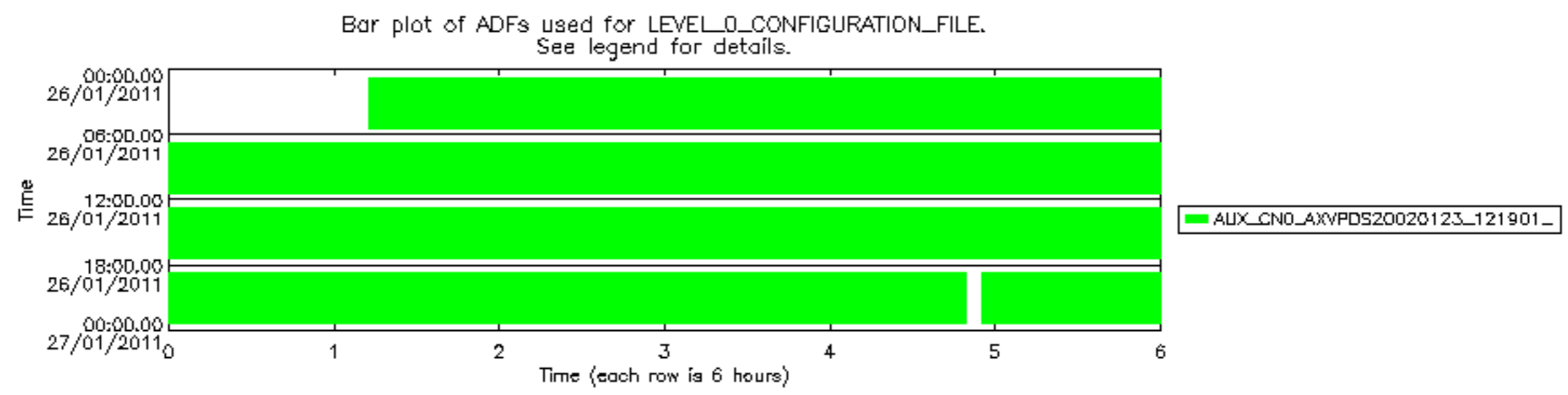






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

