

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	15JAN2009 05:22:11
Data source version	KSPT_L0/4303-N
Processing scope for products	11JAN2009 00:00:00 to 12JAN2009 00:00:00
Start time of first product within scope	10JAN2009 23:35:50
Stop time of last product within scope	12JAN2009 00:37:48
Total number of level 0 products	16
Number of level 0 products with errors	0

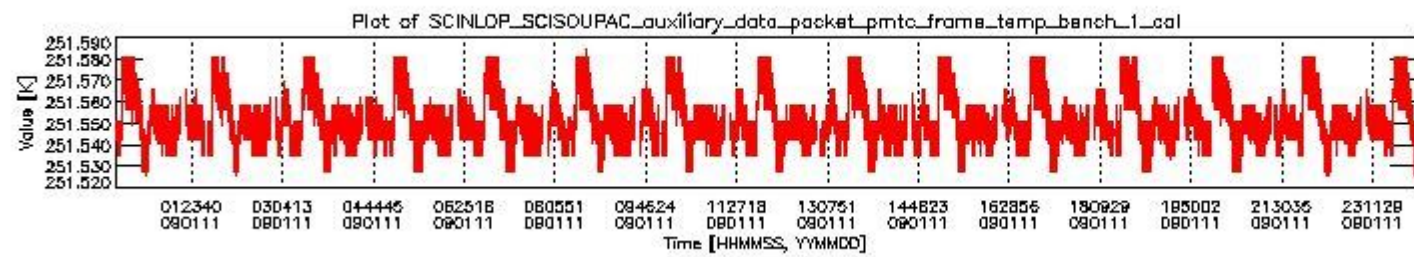
0.1.2 Summary per product

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

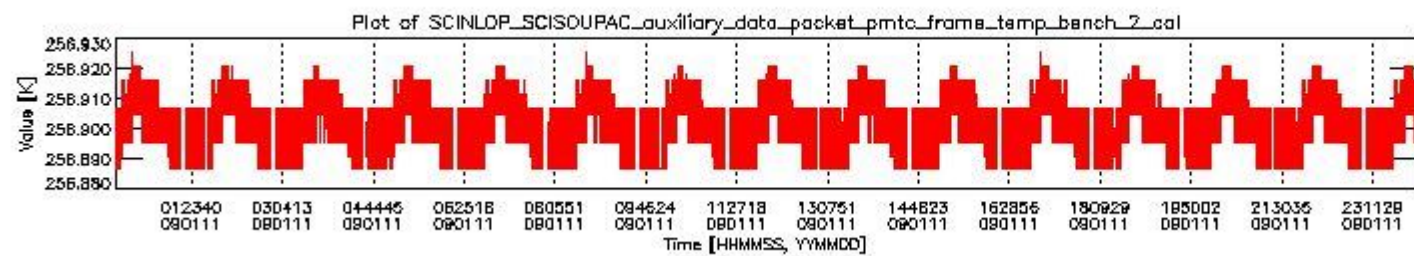
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090110_233550_000056192075_00273_35898_8264.N1	10JAN2009 23:35:50	11JAN2009 01:09:29	0	0	0	0	0
1	SCI_NL__OPNPDE20090111_011625_000042992075_00274_35899_8265.N1	11JAN2009 01:16:25	11JAN2009 02:28:04	0	0	0	0	0
2	SCI_NL__OPNPDE20090111_022804_000057992075_00275_35900_8266.N1	11JAN2009 02:28:04	11JAN2009 04:04:44	0	0	0	0	0
3	SCI_NL__OPNPDE20090111_040335_000060922075_00276_35901_8267.N1	11JAN2009 04:03:35	11JAN2009 05:45:07	0	0	0	0	0
4	SCI_NL__OPNPDE20090111_054507_000062292075_00277_35902_8268.N1	11JAN2009 05:45:07	11JAN2009 07:28:55	0	0	0	0	0
5	SCI_NL__OPNPDK20090111_072800_000038522075_00278_35903_0421.N1	11JAN2009 07:28:00	11JAN2009 08:32:11	0	0	0	0	0
6	SCI_NL__OPNPDK20090111_083116_000062162075_00279_35904_0422.N1	11JAN2009 08:31:16	11JAN2009 10:14:51	0	0	0	0	0
7	SCI_NL__OPNPDK20090111_101356_000059112075_00280_35905_0423.N1	11JAN2009 10:13:56	11JAN2009 11:52:27	0	0	0	0	0
8	SCI_NL__OPNPDK20090111_115035_000062032075_00281_35906_0424.N1	11JAN2009 11:50:35	11JAN2009 13:33:58	0	0	0	0	0
9	SCI_NL__OPNPDK20090111_133302_000059242075_00282_35907_0425.N1	11JAN2009 13:33:02	11JAN2009 15:11:46	0	0	0	0	0
10	SCI_NL__OPNPDK20090111_150928_000059792075_00283_35908_0426.N1	11JAN2009 15:09:28	11JAN2009 16:49:07	0	0	0	0	0
11	SCI_NL__OPNPDK20090111_164715_000059802075_00284_35909_0427.N1	11JAN2009 16:47:15	11JAN2009 18:26:55	0	0	0	0	0
12	SCI_NL__OPNPDK20090111_182655_000060362075_00285_35910_0428.N1	11JAN2009 18:26:55	11JAN2009 20:07:31	0	0	0	0	0
13	SCI_NL__OPNPDE20090111_200731_000041732075_00286_35911_8269.N1	11JAN2009 20:07:31	11JAN2009 21:17:04	0	0	0	0	0
14	SCI_NL__OPNPDE20090111_211704_000059962075_00286_35911_8270.N1	11JAN2009 21:17:04	11JAN2009 22:57:00	0	0	0	0	0
15	SCI_NL__OPNPDE20090111_230410_000056182075_00287_35912_8271.N1	11JAN2009 23:04:10	12JAN2009 00:37:48	0	0	0	0	0

0.2 Product Quality Indicators

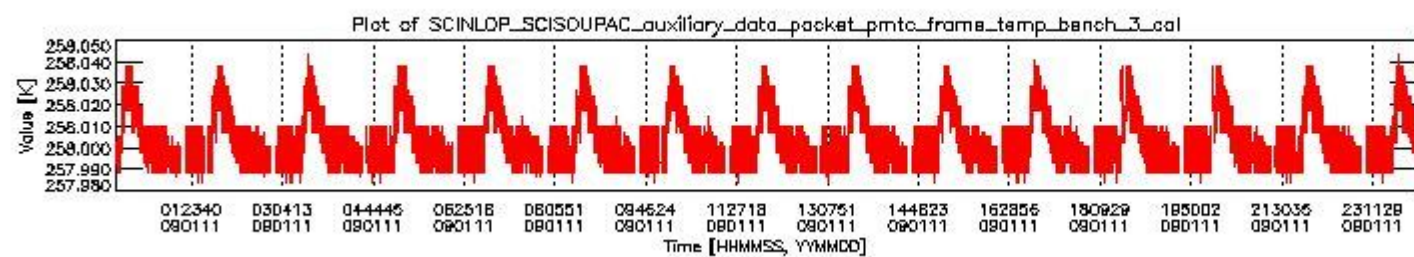
This section shows information about product quality, currently temperatures.



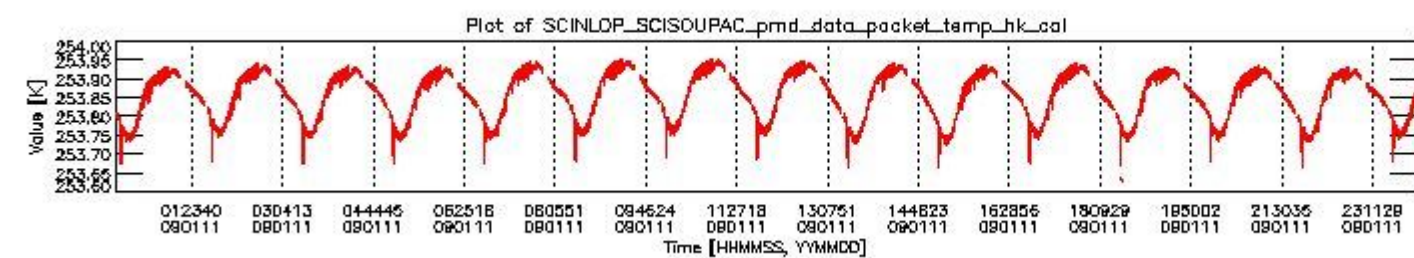
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090111_0.PNG



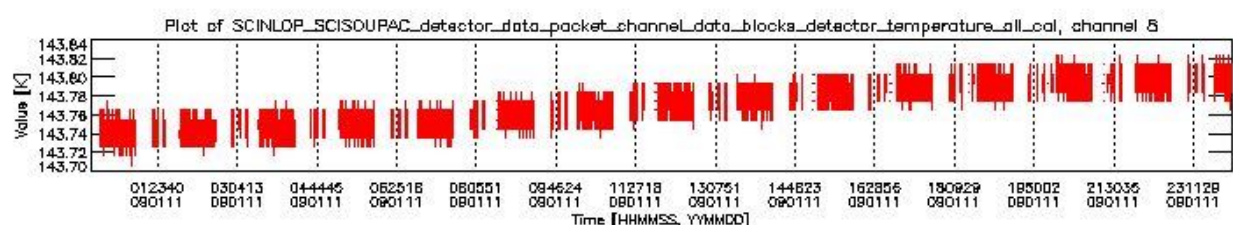
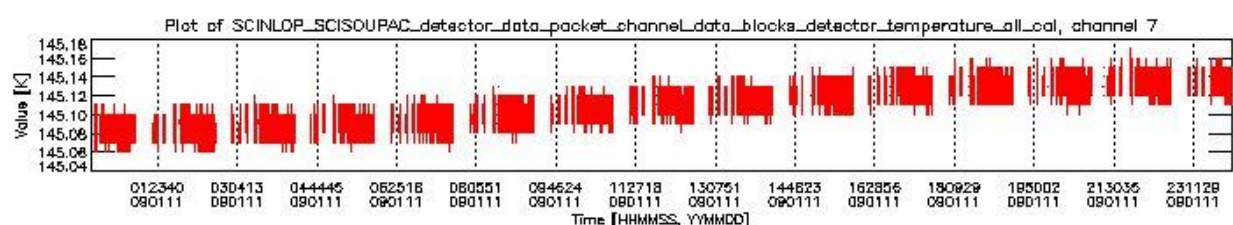
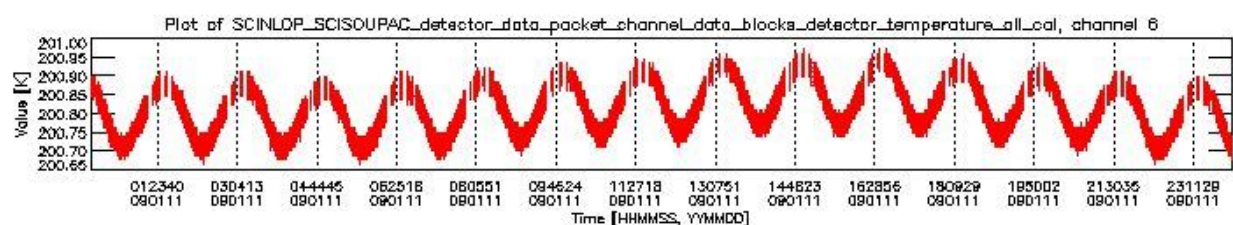
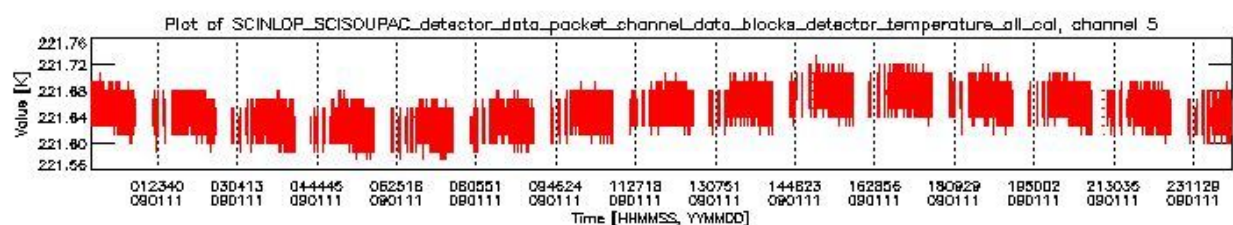
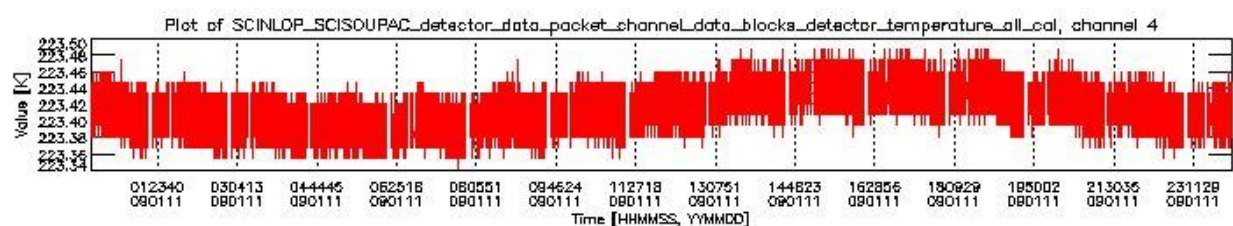
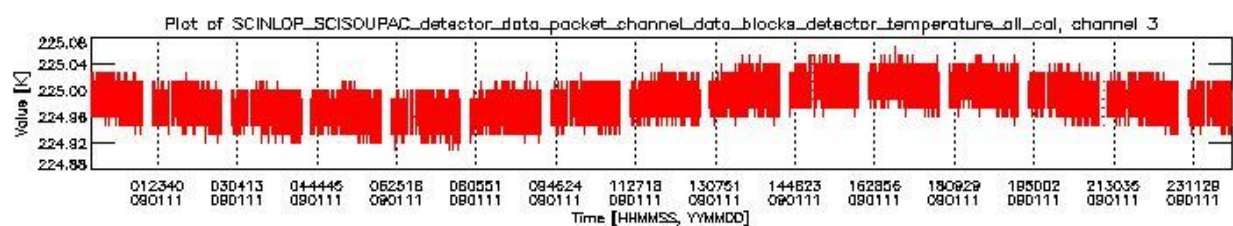
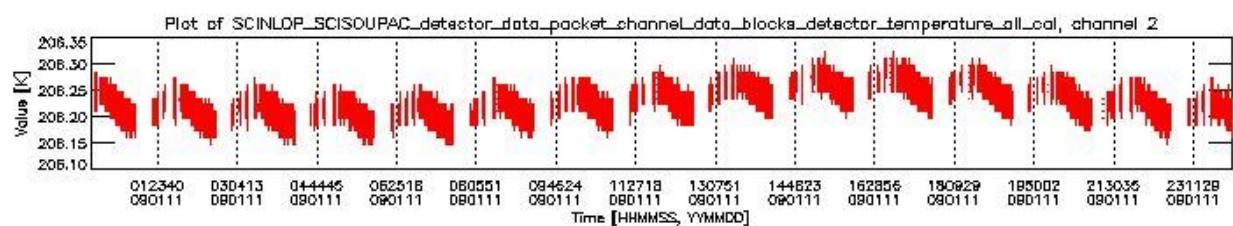
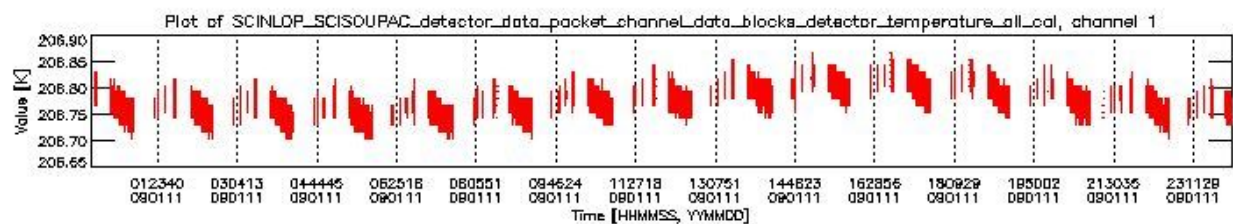
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090111_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090111_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090111_3.PNG

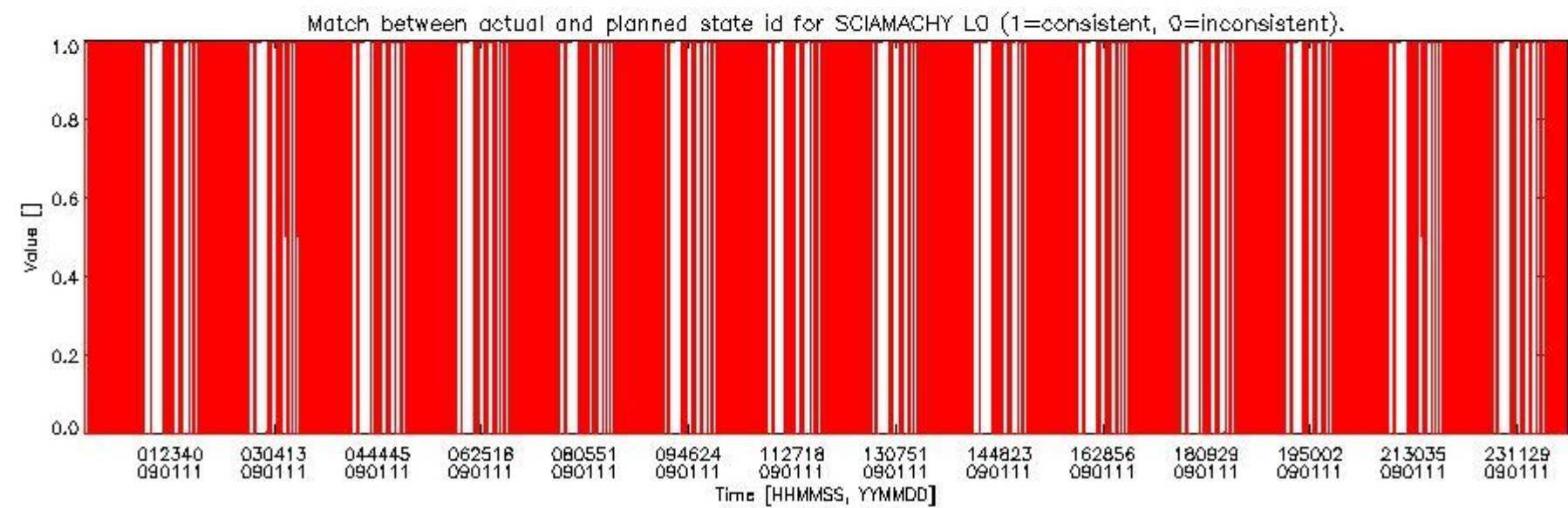
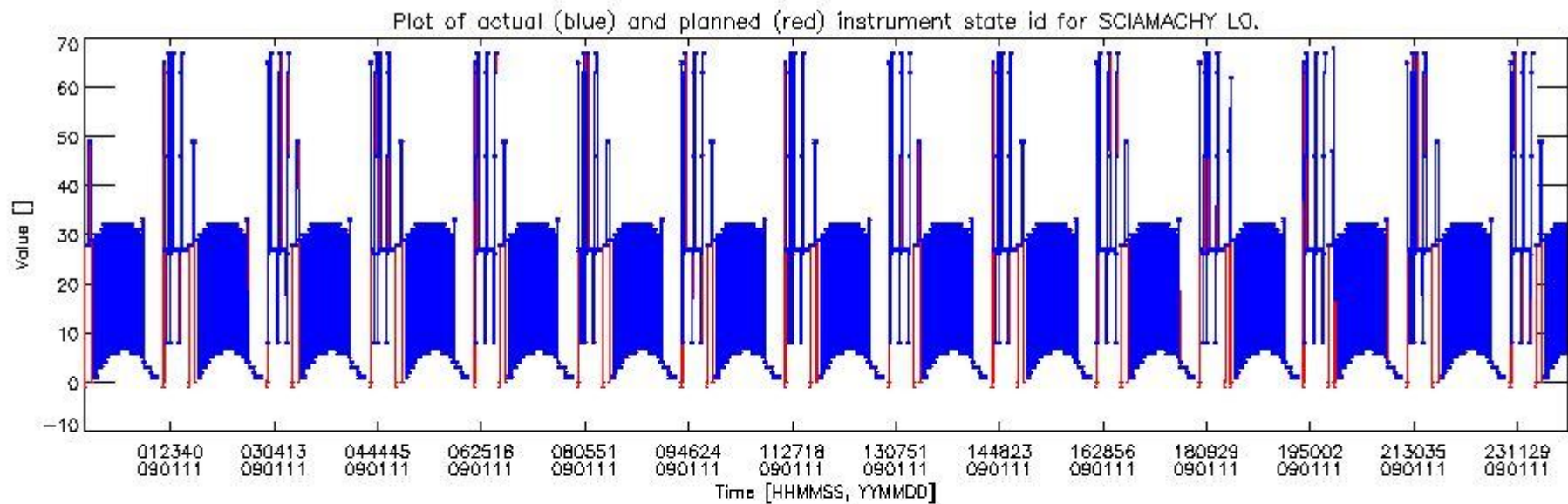


0.3 State monitoring

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: **52845**

#	Actual time	Actual value	Planned time	Planned value
0	11JAN2009 00:00:23.470160	28	11JAN2009 00:00:23.470160	0
1	11JAN2009 00:00:24.095182	28	11JAN2009 00:00:24.095182	0
2	11JAN2009 00:00:24.470155	28	11JAN2009 00:00:24.470155	0
3	11JAN2009 00:00:24.845168	28	11JAN2009 00:00:24.845168	0
4	11JAN2009 00:00:25.407667	28	11JAN2009 00:00:25.407667	0
5	11JAN2009 00:00:25.782681	28	11JAN2009 00:00:25.782681	0
6	11JAN2009 00:00:26.157653	28	11JAN2009 00:00:26.157653	0
7	11JAN2009 00:00:26.532666	28	11JAN2009 00:00:26.532666	0
8	11JAN2009 00:00:27.095166	28	11JAN2009 00:00:27.095166	0
9	11JAN2009 00:00:27.470179	28	11JAN2009 00:00:27.470179	0
10	11JAN2009 00:00:27.845192	28	11JAN2009 00:00:27.845192	0
11	11JAN2009 00:00:28.220165	28	11JAN2009 00:00:28.220165	0
12	11JAN2009 00:00:28.470173	28	11JAN2009 00:00:28.470173	0
13	11JAN2009 00:00:28.782664	28	11JAN2009 00:00:28.782664	0
14	11JAN2009 00:00:29.157677	28	11JAN2009 00:00:29.157677	0
15	11JAN2009 00:00:29.532690	28	11JAN2009 00:00:29.532690	0
16	11JAN2009 00:00:29.907663	28	11JAN2009 00:00:29.907663	0
17	11JAN2009 00:00:30.470163	28	11JAN2009 00:00:30.470163	0
18	11JAN2009 00:00:30.845176	28	11JAN2009 00:00:30.845176	0
19	11JAN2009 00:00:31.220189	28	11JAN2009 00:00:31.220189	0

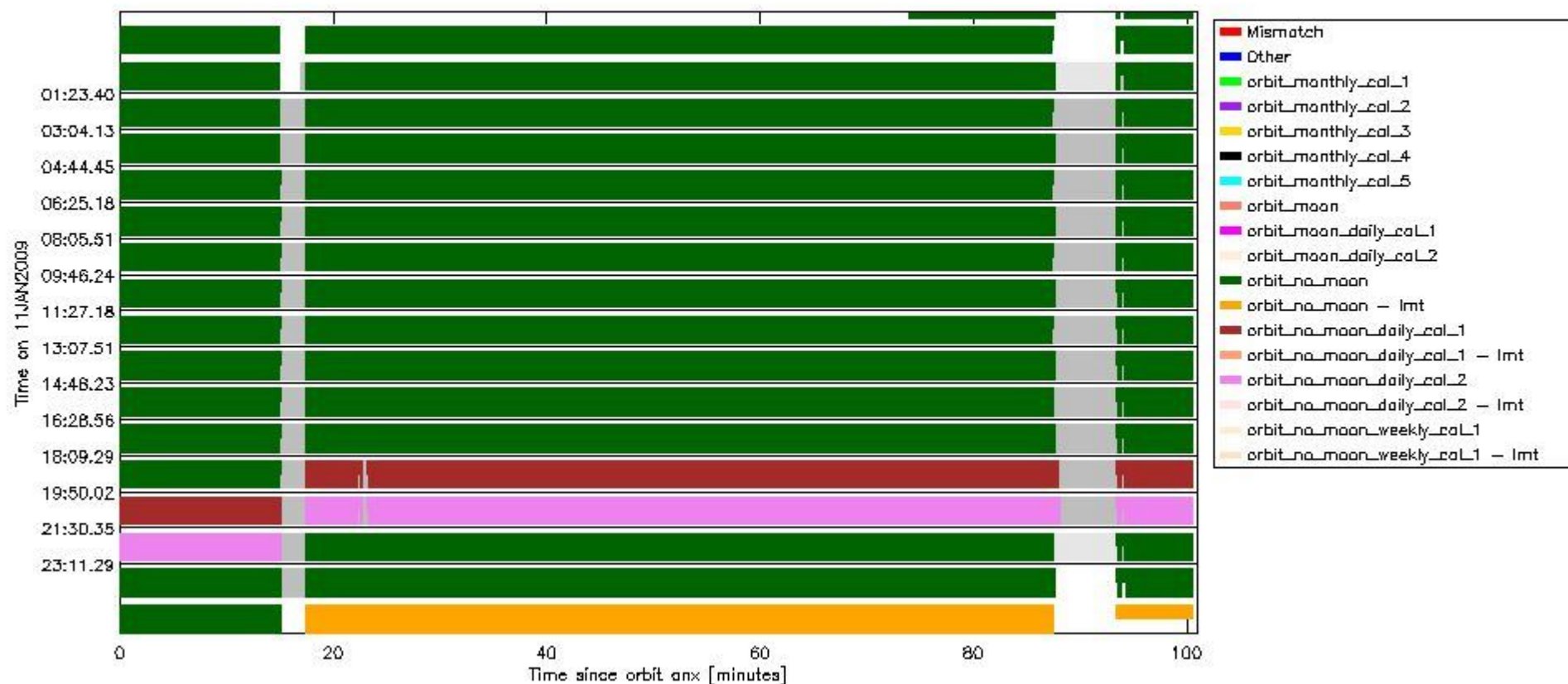


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090111_5.PNG

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 11JAN2009.
 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_20090111_6.PNG

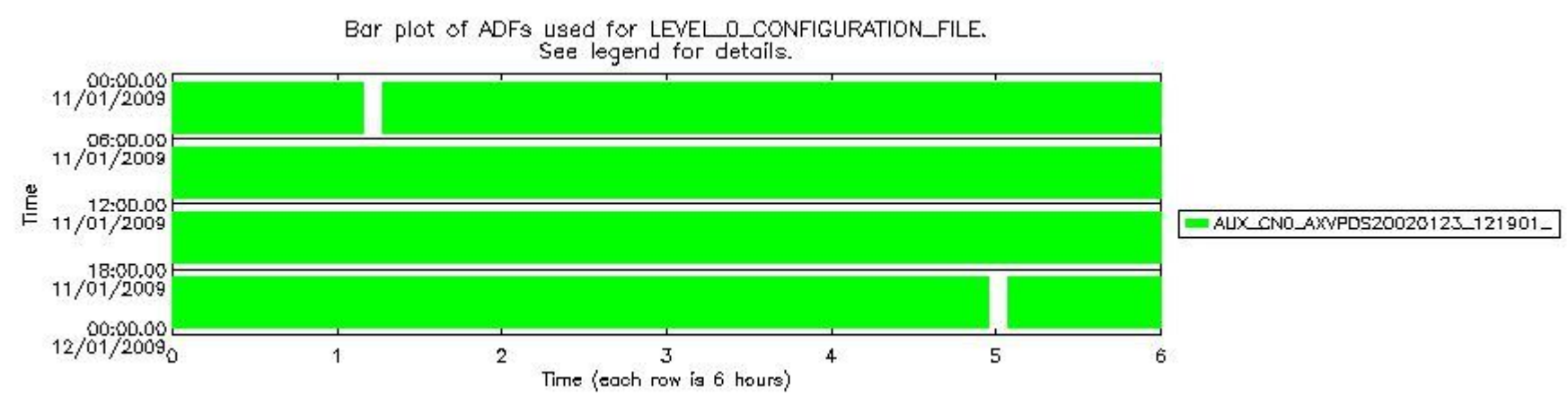
0.4 ADF monitoring

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

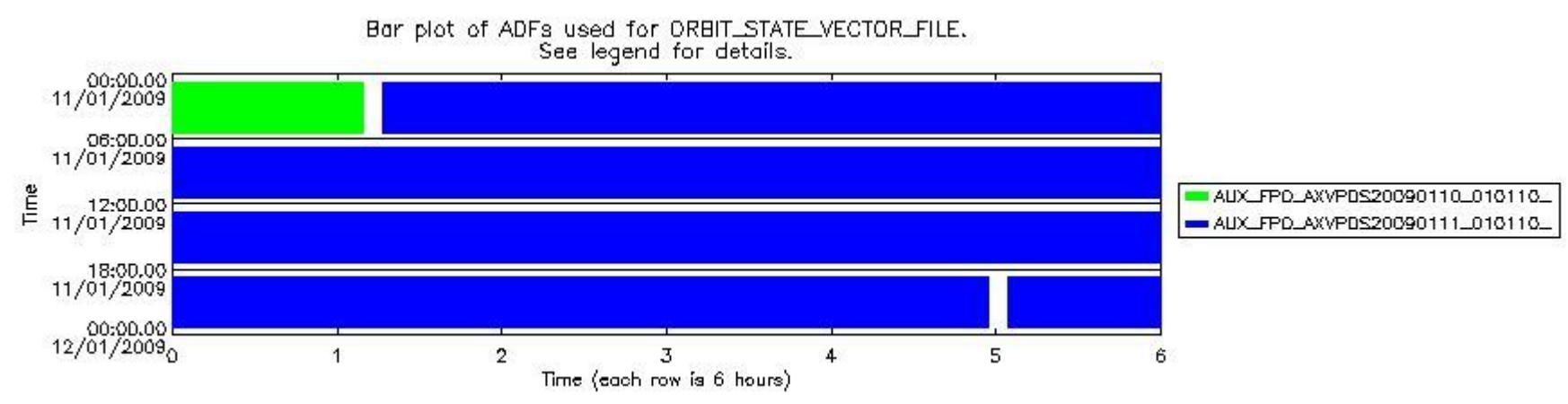
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

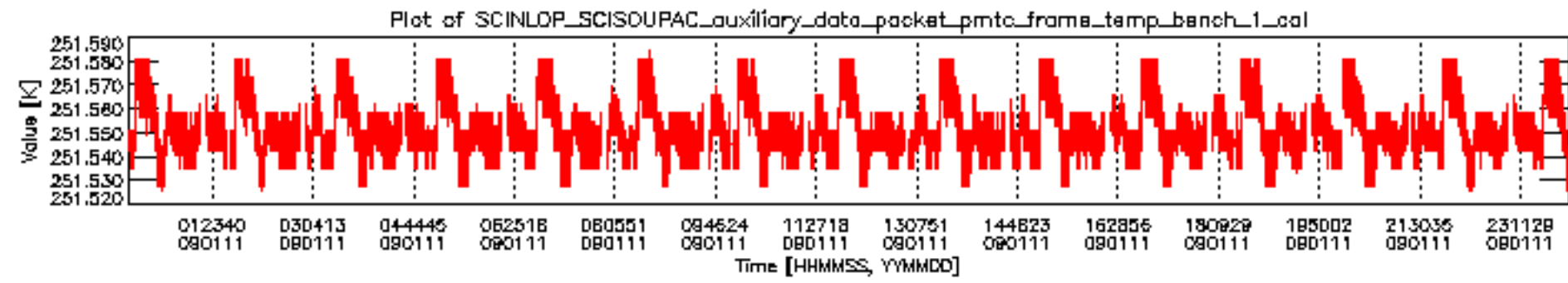
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090110_010110_20090109_191245_20090119_203858
2	AUX_FPO_AXVPDS20090111_010110_20090110_184108_20090120_200721

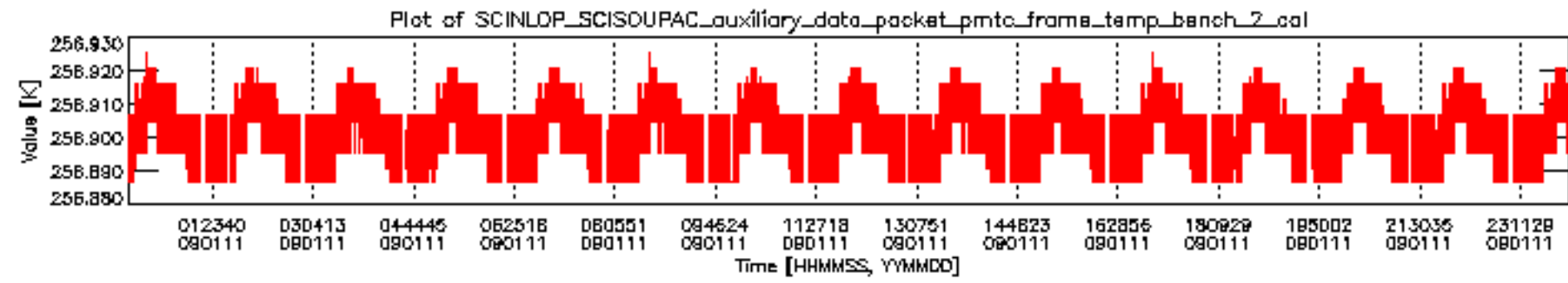


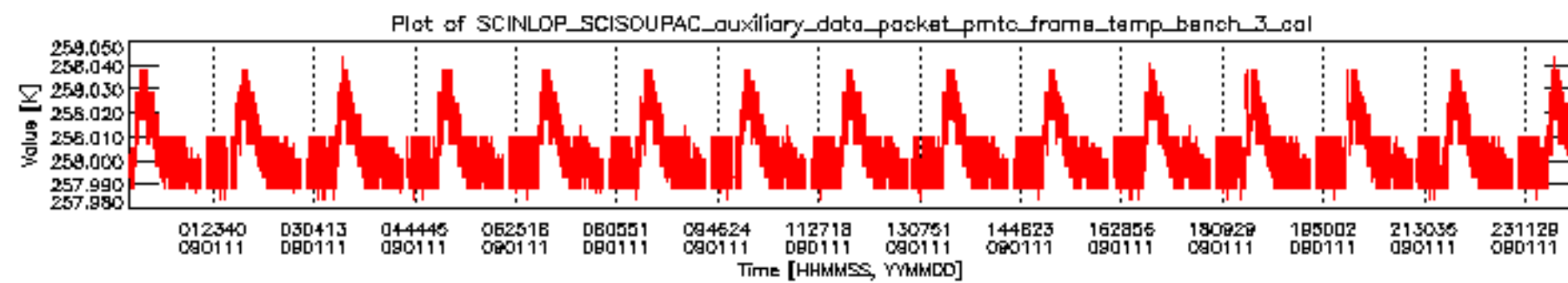
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090111_7.PNG

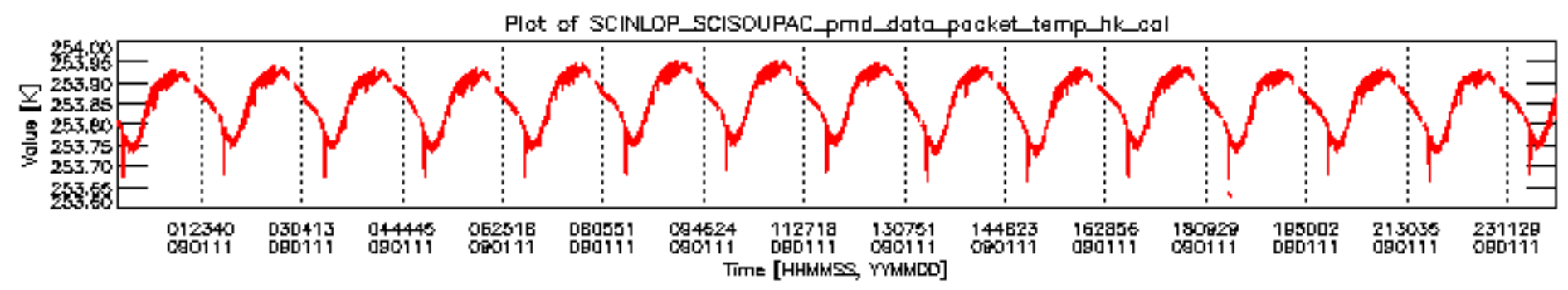


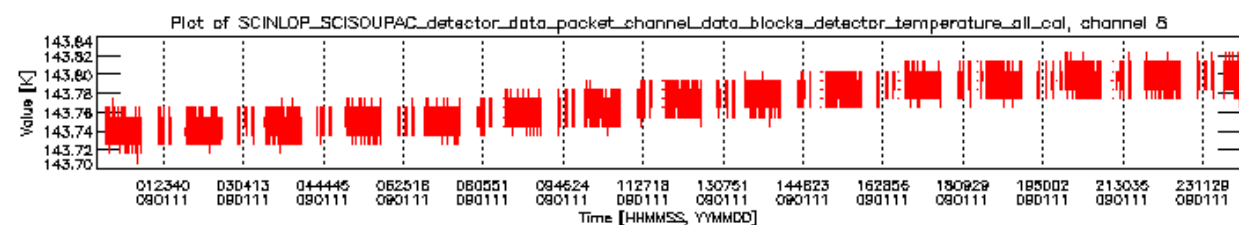
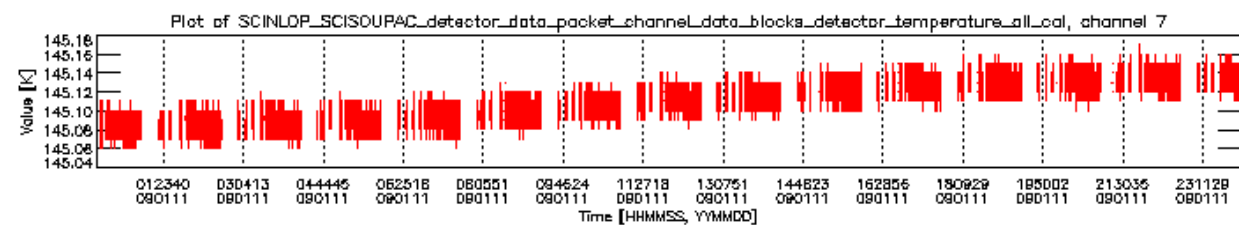
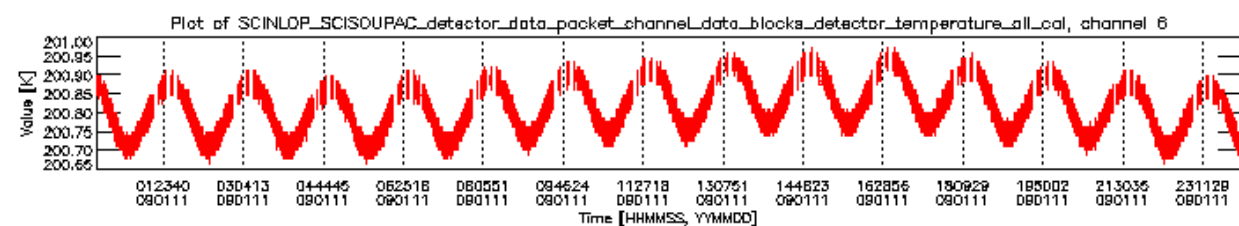
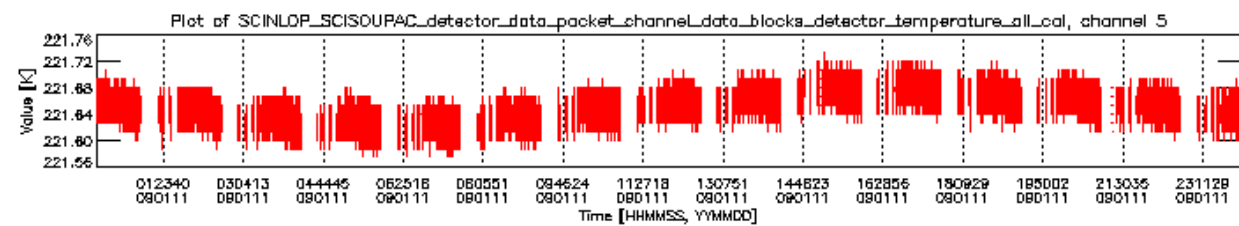
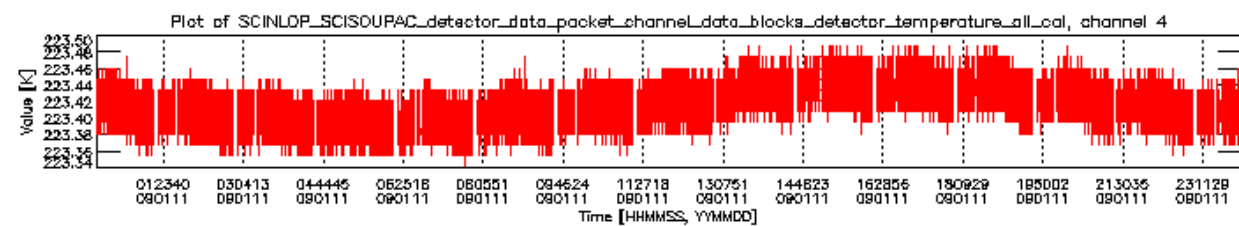
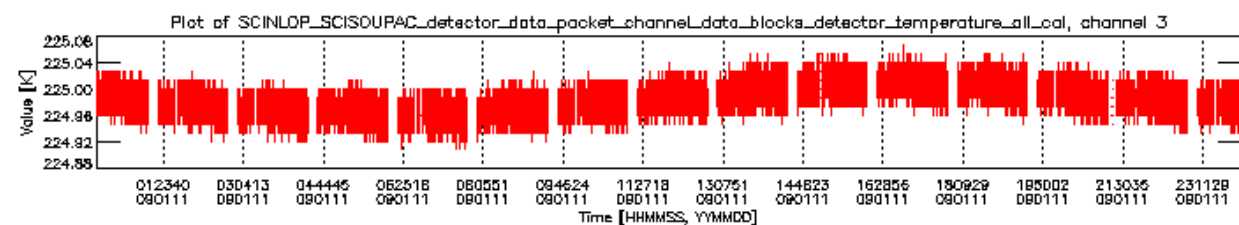
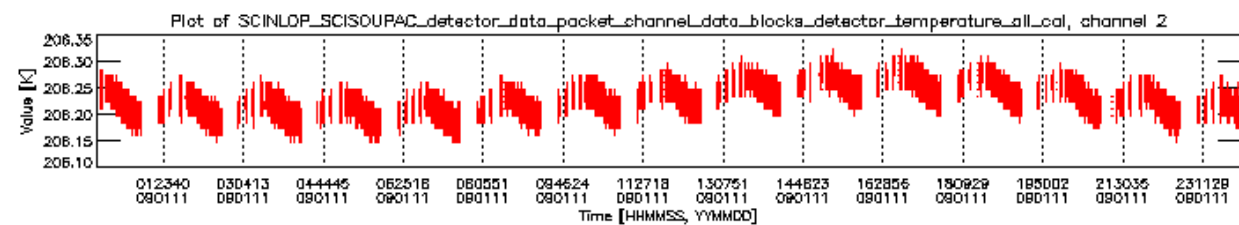
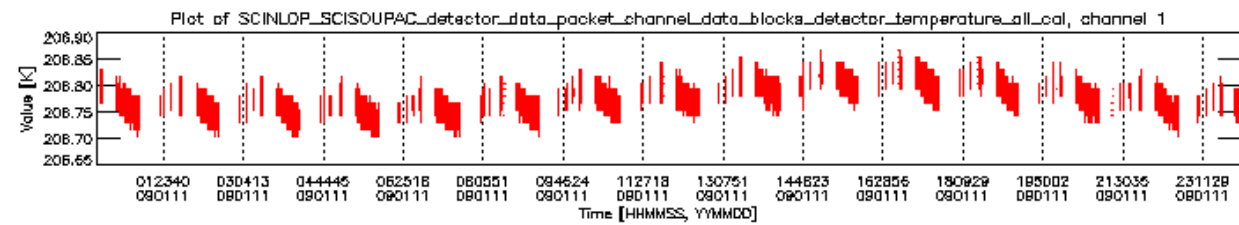
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090111_8.PNG

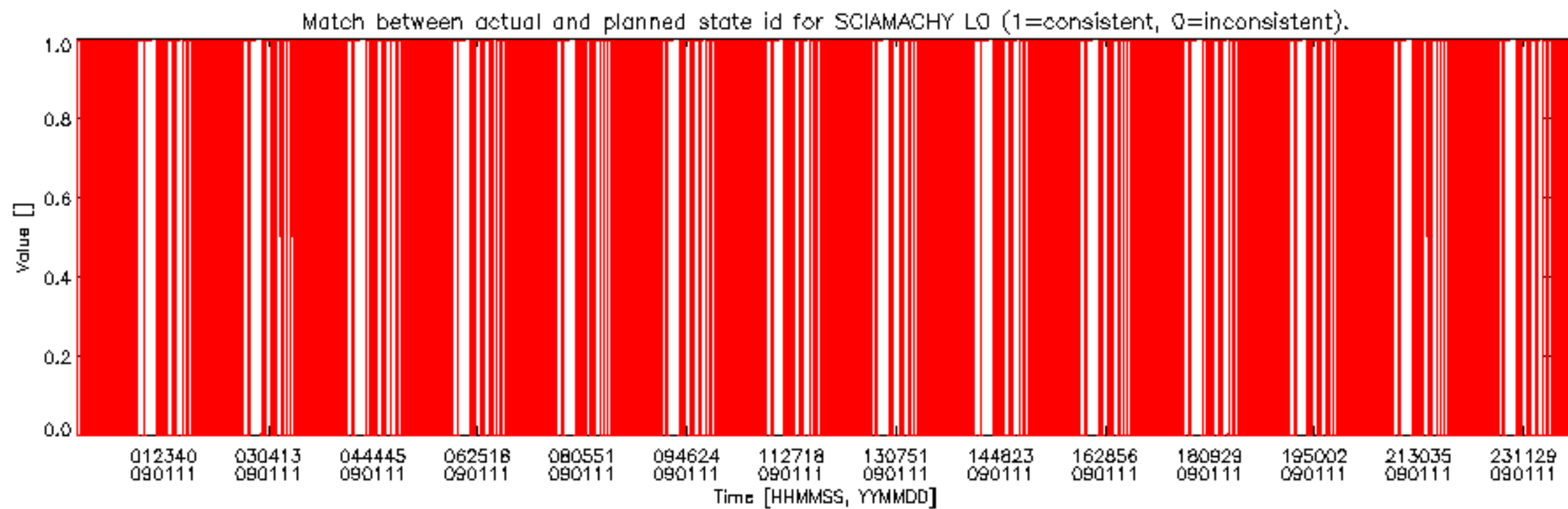
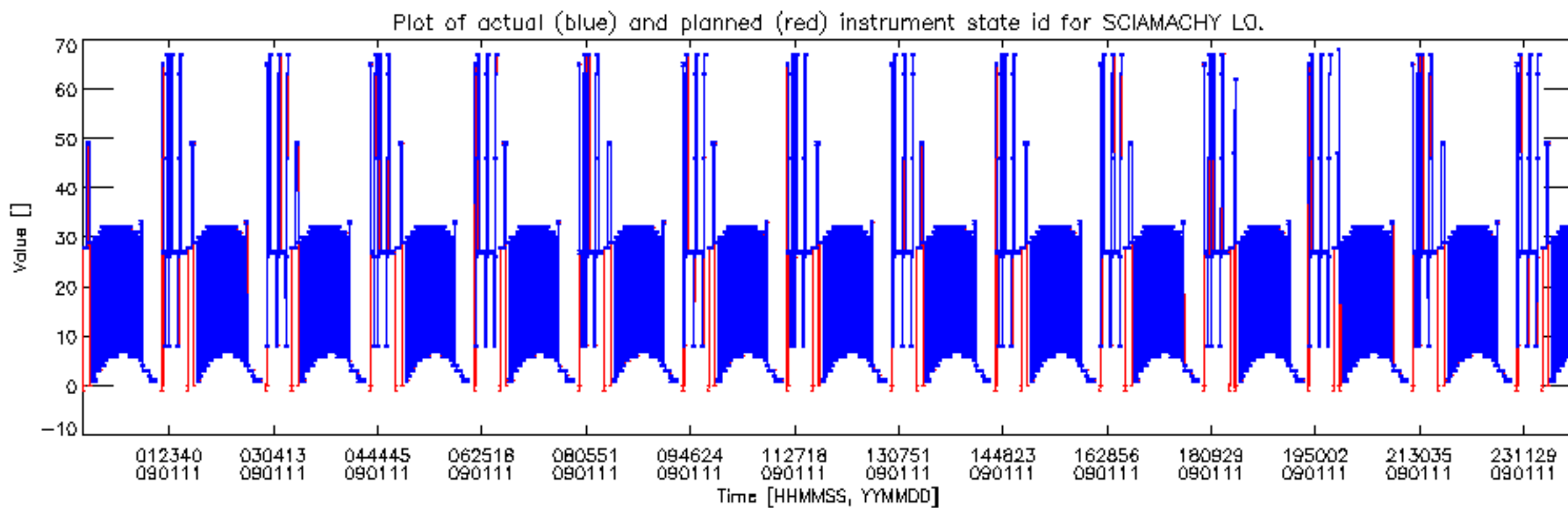




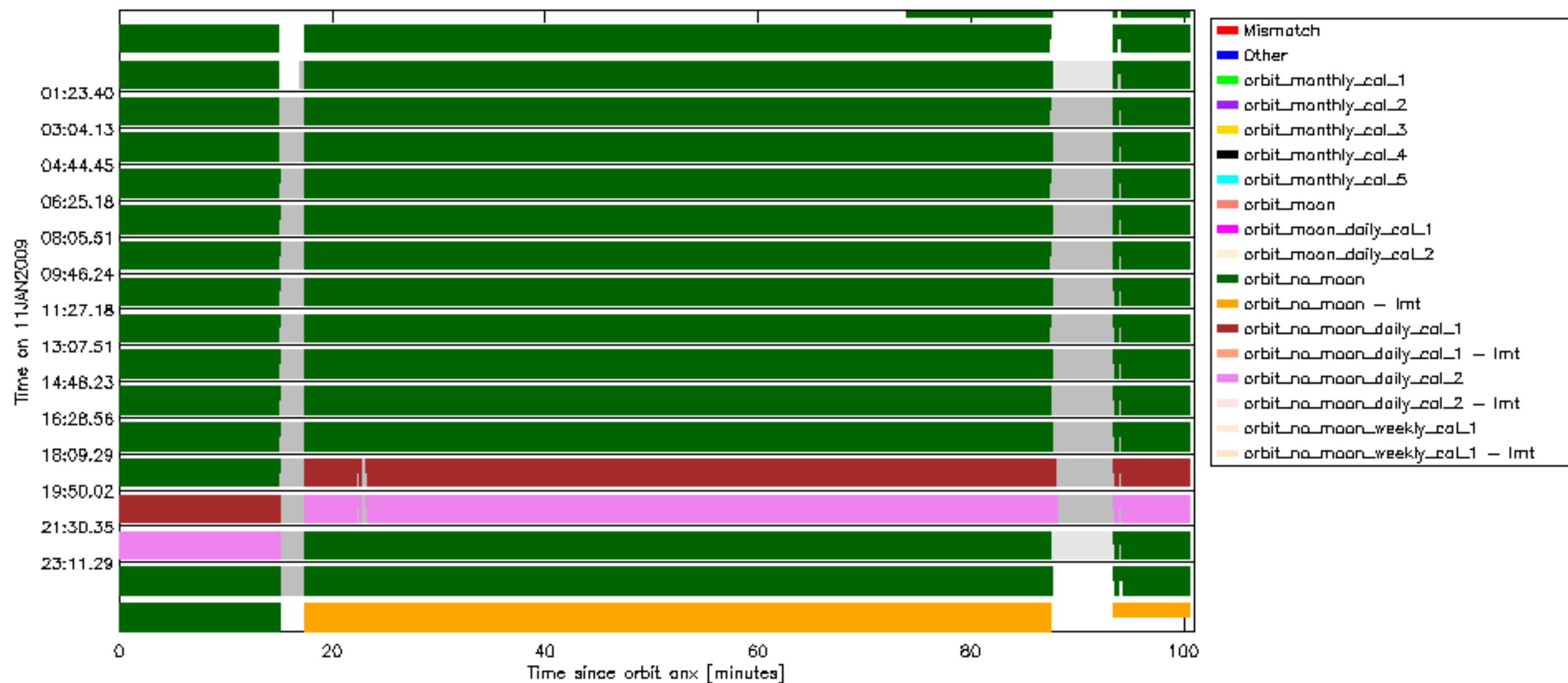


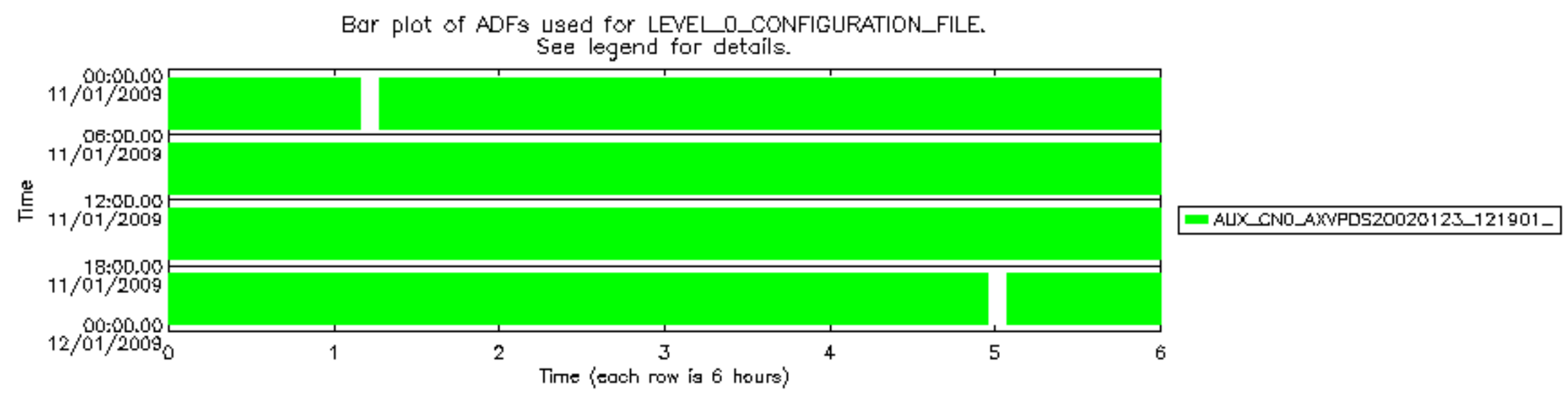






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
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





Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

