

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	v1.3 20060731
Time of report generation	07FEB2008 08:33:13
Data source version	KSPT_L0/4303-N
Processing scope for products	02FEB2008 00:00:00 to 03FEB2008 00:00:00
Start time of first product within scope	01FEB2008 23:46:00
Stop time of last product within scope	03FEB2008 00:47:20
Total number of level 0 products	16
Number of level 0 products with errors	1

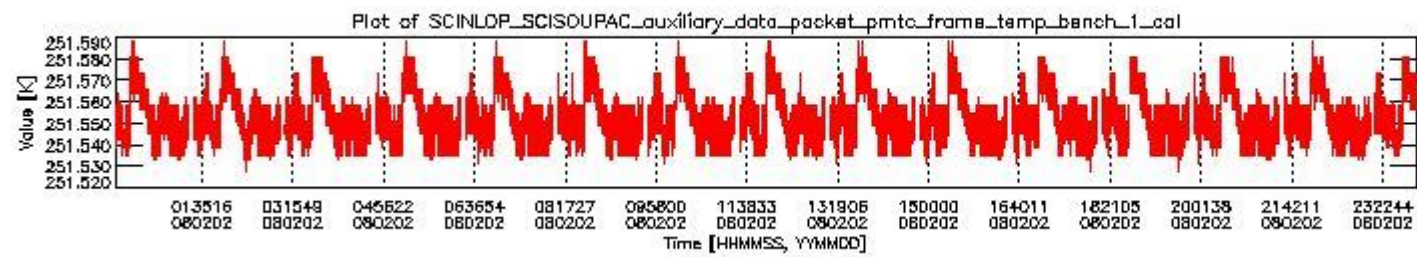
0.1.2 Summary per product

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

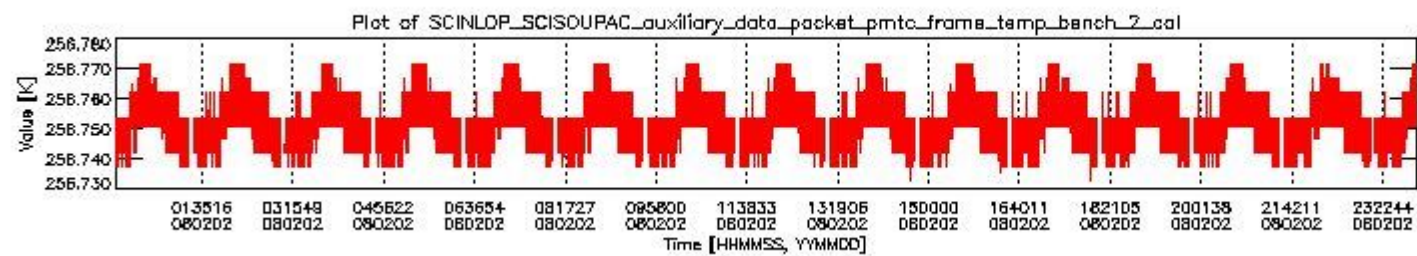
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080201_234600_000055832065_00359_30974_6057.N1	01FEB2008 23:46:00	02FEB2008 01:19:03	0	0	0	0	0
1	SCI_NL__OPNPDE20080202_012635_000044122065_00360_30975_6058.N1	02FEB2008 01:26:35	02FEB2008 02:40:08	0	0	0	0	0
2	SCI_NL__OPNPDE20080202_024008_000057742065_00361_30976_6059.N1	02FEB2008 02:40:08	02FEB2008 04:16:21	0	0	0	0	0
3	SCI_NL__OPNPDE20080202_041621_000060482065_00362_30977_6060.N1	02FEB2008 04:16:21	02FEB2008 05:57:10	0	0	0	0	0
4	SCI_NL__OPNPDK20080202_055710_000041012065_00363_30978_7284.N1	02FEB2008 05:57:10	02FEB2008 07:05:30	0	0	0	0	0
5	SCI_NL__OPNPDK20080202_070422_000061042065_00364_30979_7285.N1	02FEB2008 07:04:22	02FEB2008 08:46:06	0	0	0	0	0
6	SCI_NL__OPNPDK20080202_084510_000059672065_00365_30980_7286.N1	02FEB2008 08:45:10	02FEB2008 10:24:37	0	0	0	0	0
7	SCI_NL__OPNPDK20080202_102328_000061042065_00366_30981_7287.N1	02FEB2008 10:23:28	02FEB2008 12:05:12	0	0	0	0	0
8	SCI_NL__OPNPDK20080202_120308_000060912065_00367_30982_7288.N1	02FEB2008 12:03:08	02FEB2008 13:44:39	0	0	0	0	0
9	SCI_NL__OPNPDK20080202_134343_000058682065_00368_30983_7289.N1	02FEB2008 13:43:43	02FEB2008 15:21:31	0	0	0	0	0
10	SCI_NL__OPNPDK20080202_151913_000060362065_00369_30984_7290.N1	02FEB2008 15:19:13	02FEB2008 16:59:49	0	0	0	0	0
11	SCI_NL__OPNPDK20080202_165949_000058112065_00370_30985_7291.N1	02FEB2008 16:59:49	02FEB2008 18:36:40	1	0	1	0	0
12	SCI_NL__OPNPDK20080202_183640_000058702065_00371_30986_7292.N1	02FEB2008 18:36:40	02FEB2008 20:14:30	0	0	0	0	0
13	SCI_NL__OPNPDE20080202_201430_000043282065_00372_30987_6061.N1	02FEB2008 20:14:30	02FEB2008 21:26:38	0	0	0	0	0
14	SCI_NL__OPNPDE20080202_213342_000055952065_00372_30987_6062.N1	02FEB2008 21:33:42	02FEB2008 23:06:57	0	0	0	0	0
15	SCI_NL__OPNPDE20080202_231417_000055822065_00373_30988_6063.N1	02FEB2008 23:14:17	03FEB2008 00:47:20	0	0	0	0	0

0.2 Product Quality Indicators

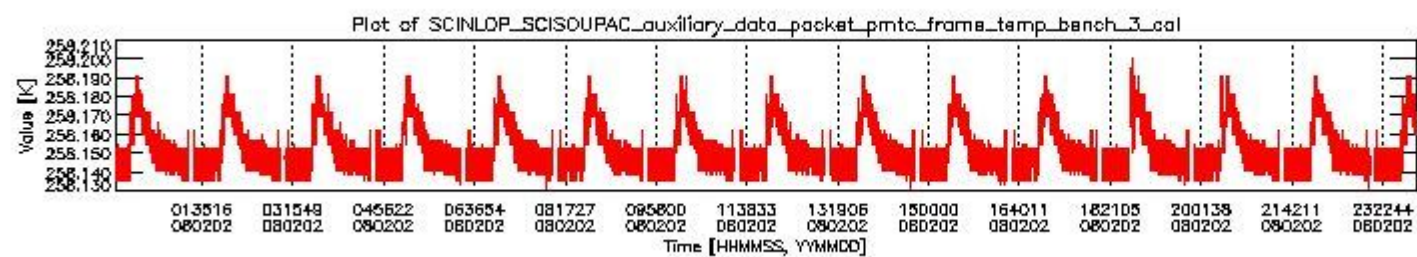
This section shows information about product quality, currently temperatures.



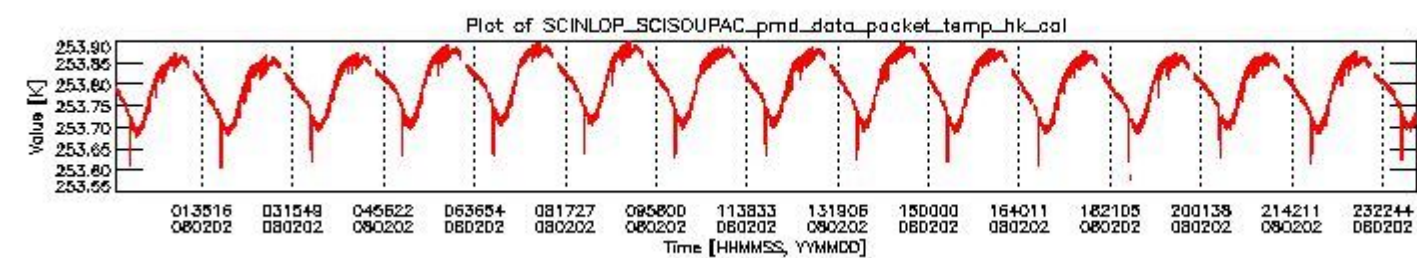
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080202_0.PNG



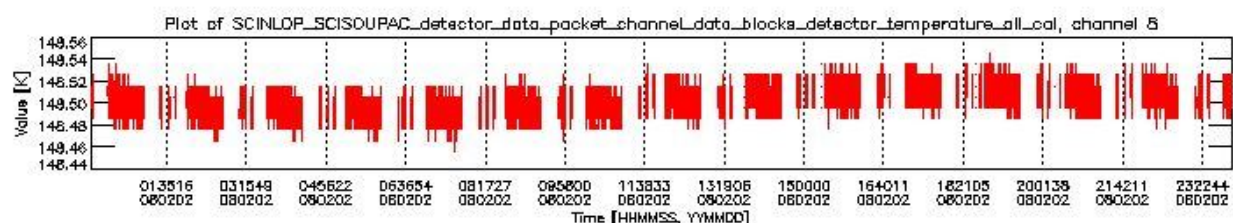
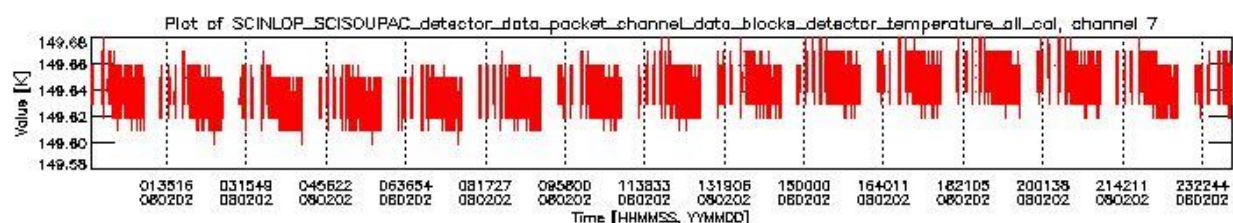
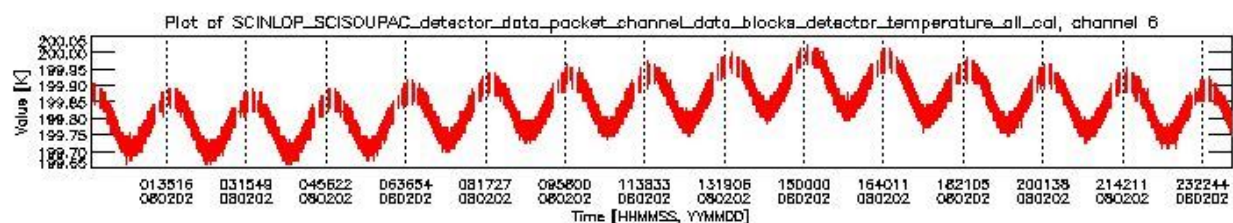
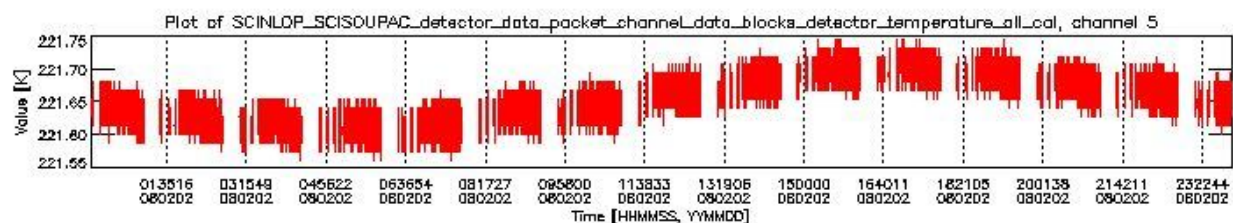
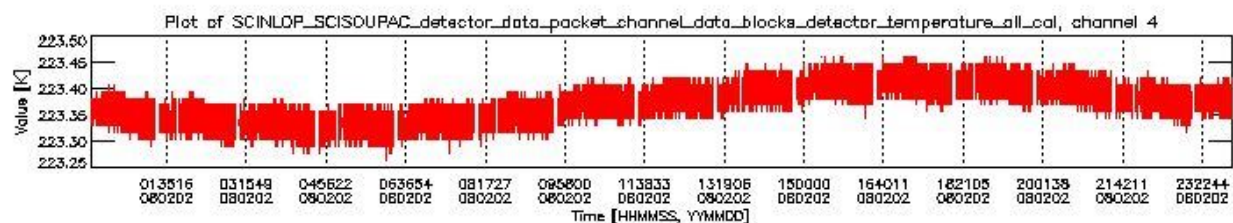
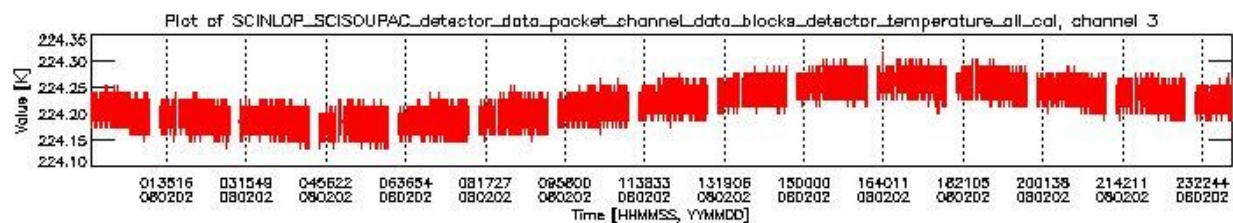
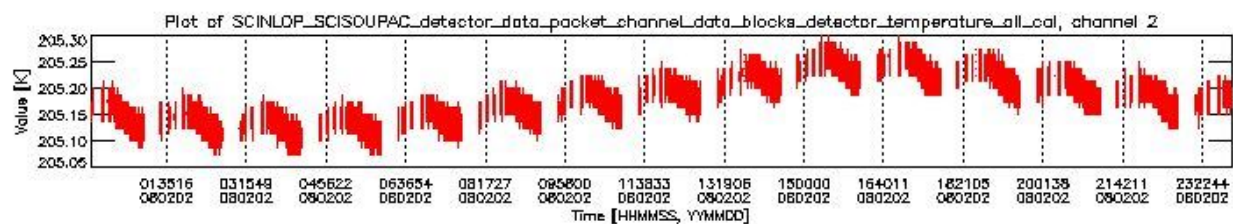
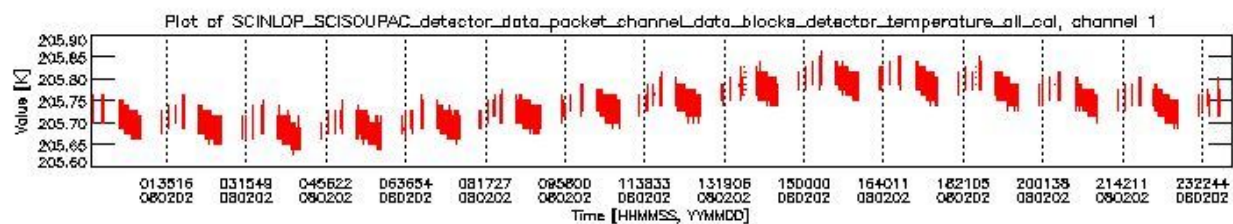
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080202_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080202_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080202_3.PNG

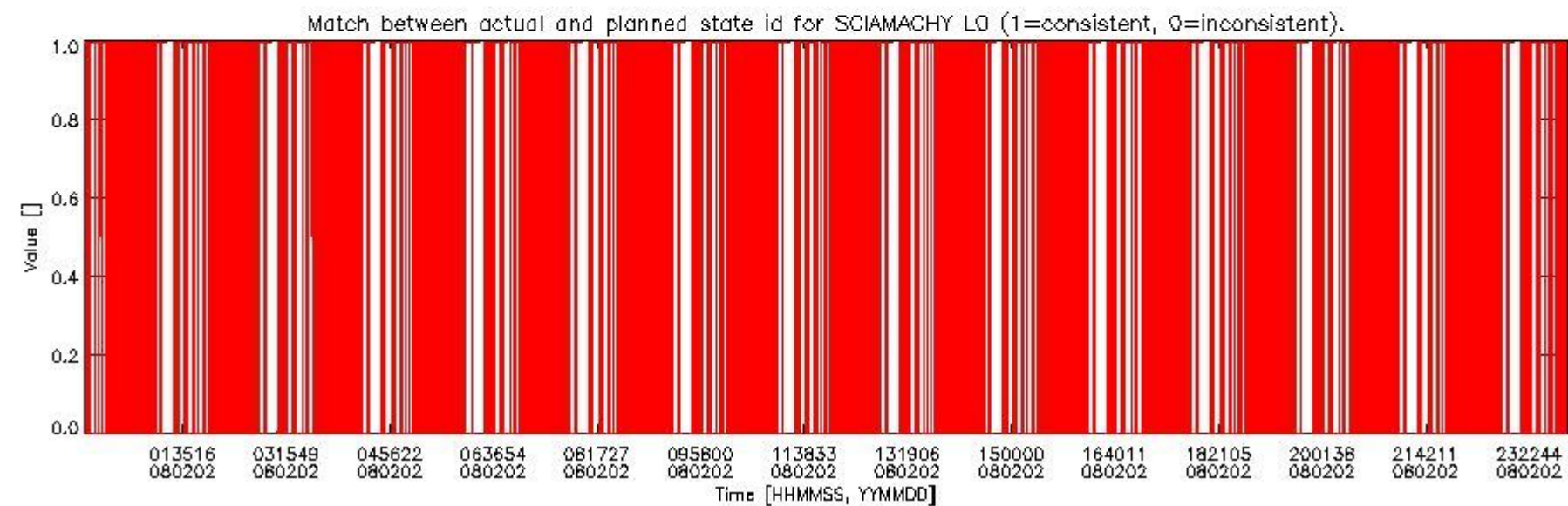
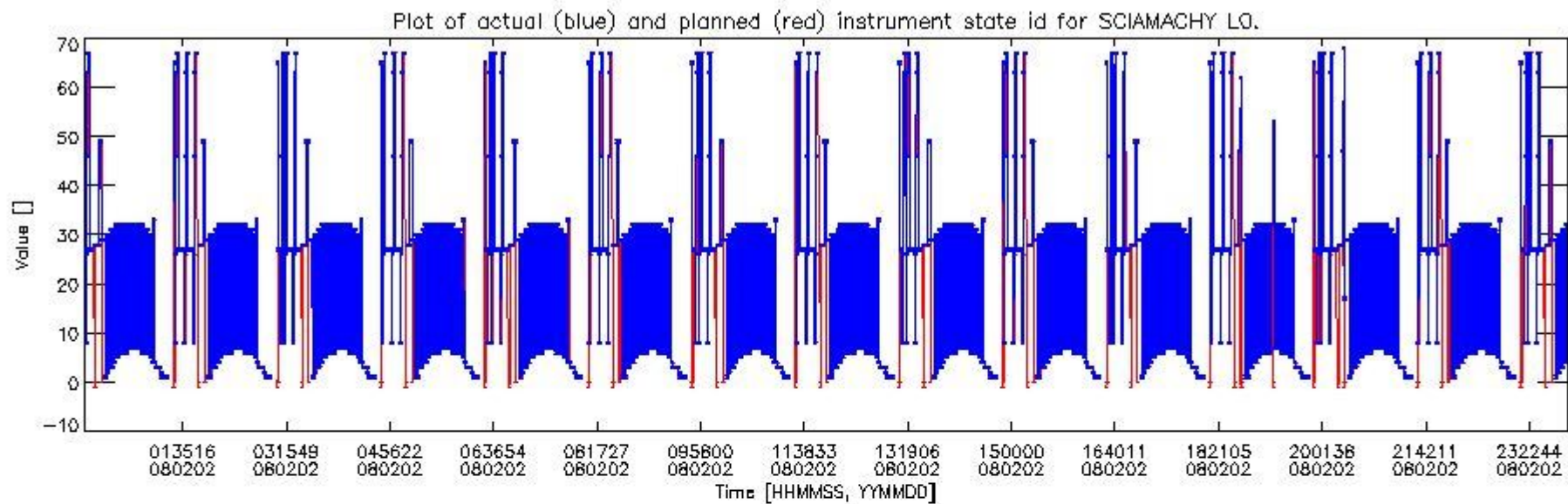


0.3 State monitoring

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: **41128**

#	Actual time	Actual value	Planned time	Planned value
0	02FEB2008 00:01:00.126691	8	02FEB2008 00:01:00.126691	27
1	02FEB2008 00:01:01.251689	8	02FEB2008 00:01:01.251689	27
2	02FEB2008 00:01:02.251684	8	02FEB2008 00:01:02.251684	27
3	02FEB2008 00:01:03.251719	8	02FEB2008 00:01:03.251719	27
4	02FEB2008 00:01:04.251713	8	02FEB2008 00:01:04.251713	27
5	02FEB2008 00:01:05.126704	8	02FEB2008 00:01:05.126704	27
6	02FEB2008 00:01:05.251708	8	02FEB2008 00:01:05.251708	27
7	02FEB2008 00:01:06.251703	8	02FEB2008 00:01:06.251703	27
8	02FEB2008 00:01:07.251697	8	02FEB2008 00:01:07.251697	27
9	02FEB2008 00:01:08.251692	8	02FEB2008 00:01:08.251692	27
10	02FEB2008 00:01:43.685296	26	02FEB2008 00:01:43.685296	8
11	02FEB2008 00:01:44.310277	26	02FEB2008 00:01:44.310277	8
12	02FEB2008 00:01:44.810295	26	02FEB2008 00:01:44.810295	8
13	02FEB2008 00:01:45.310312	26	02FEB2008 00:01:45.310312	8
14	02FEB2008 00:01:45.810289	26	02FEB2008 00:01:45.810289	8
15	02FEB2008 00:01:46.310306	26	02FEB2008 00:01:46.310306	8
16	02FEB2008 00:01:46.810284	26	02FEB2008 00:01:46.810284	8
17	02FEB2008 00:01:47.310301	26	02FEB2008 00:01:47.310301	8
18	02FEB2008 00:01:47.810278	26	02FEB2008 00:01:47.810278	8
19	02FEB2008 00:01:48.310296	26	02FEB2008 00:01:48.310296	8

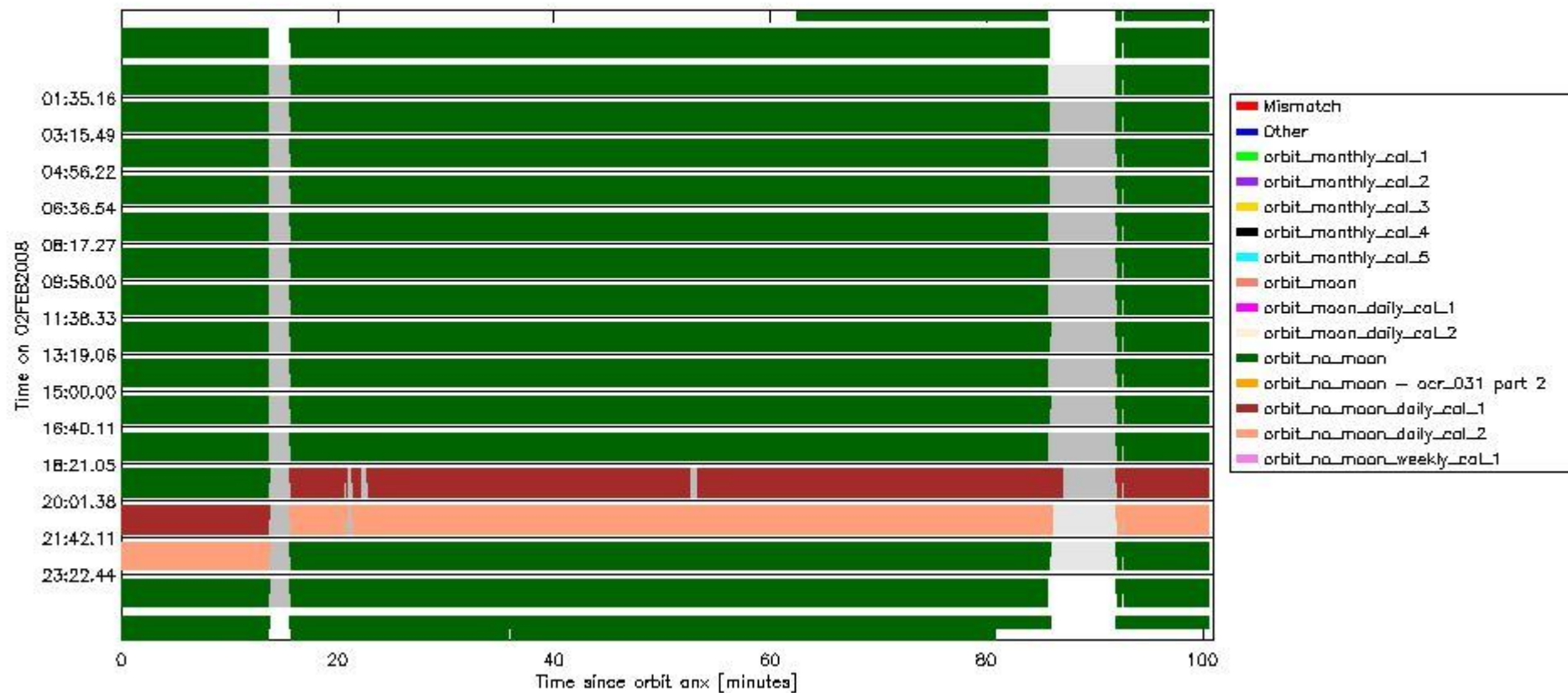


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080202_5.PNG

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 Q2FEB2008.
 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_20080202_6.PNG

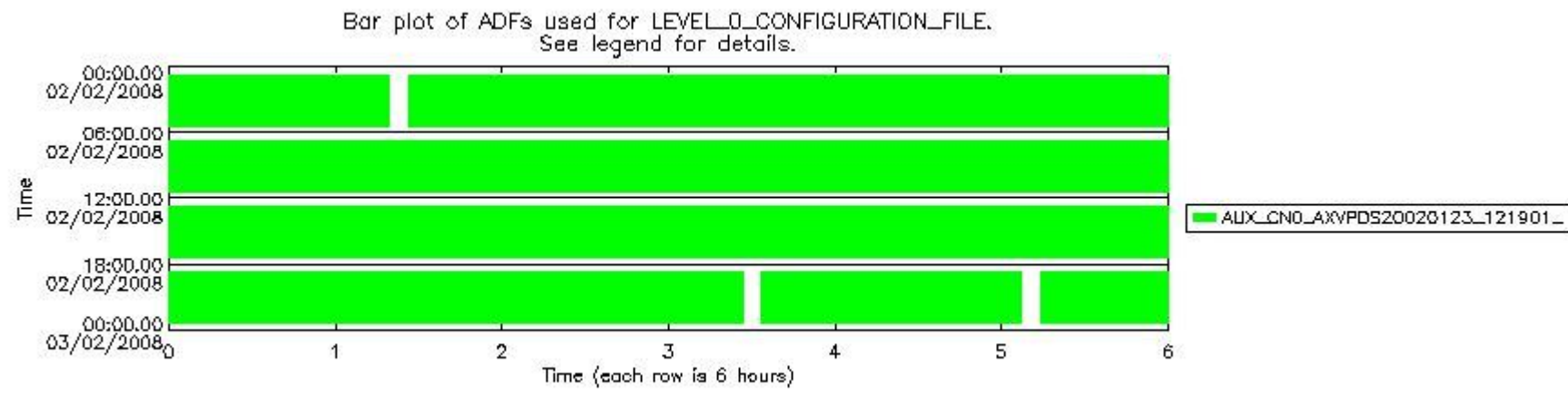
0.4 ADF monitoring

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

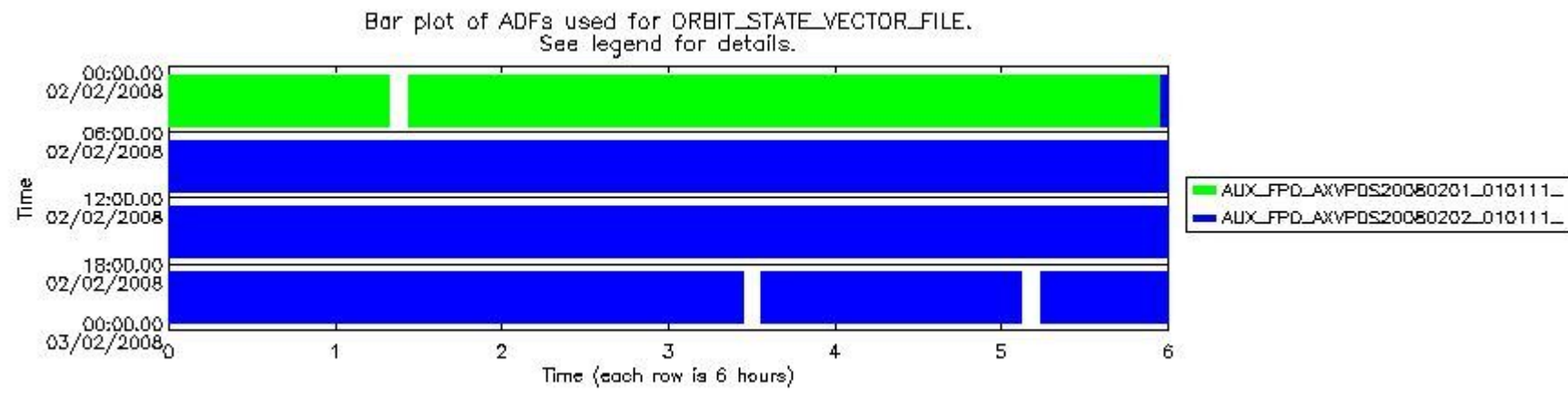
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

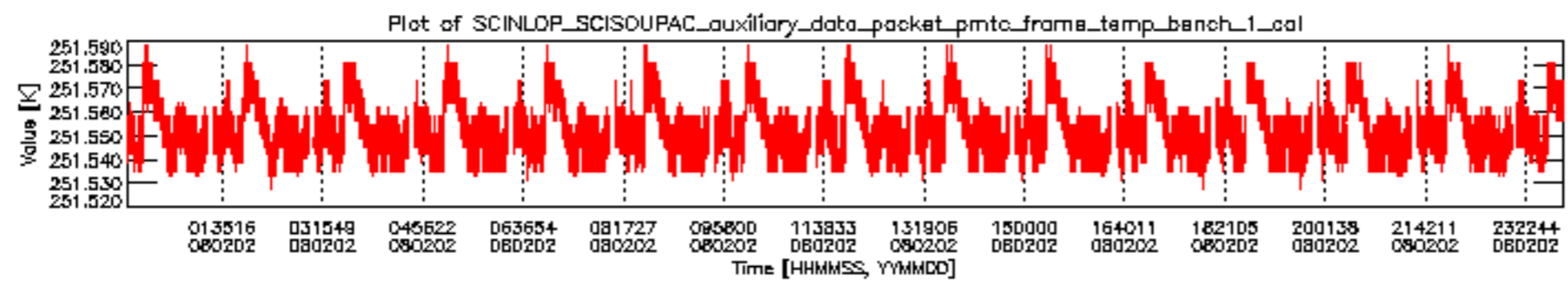
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080201_010111_20080131_192417_20080210_205030
2	AUX_FPO_AXVPDS20080202_010111_20080201_185240_20080211_201853

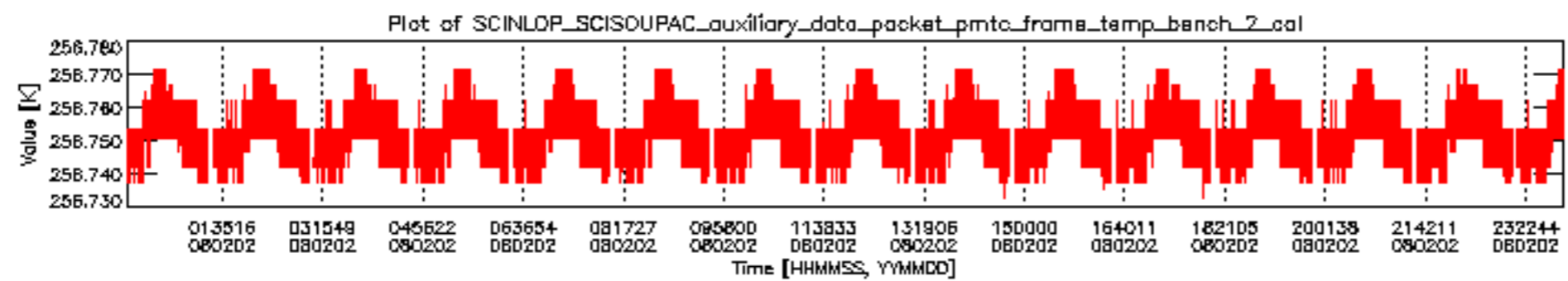


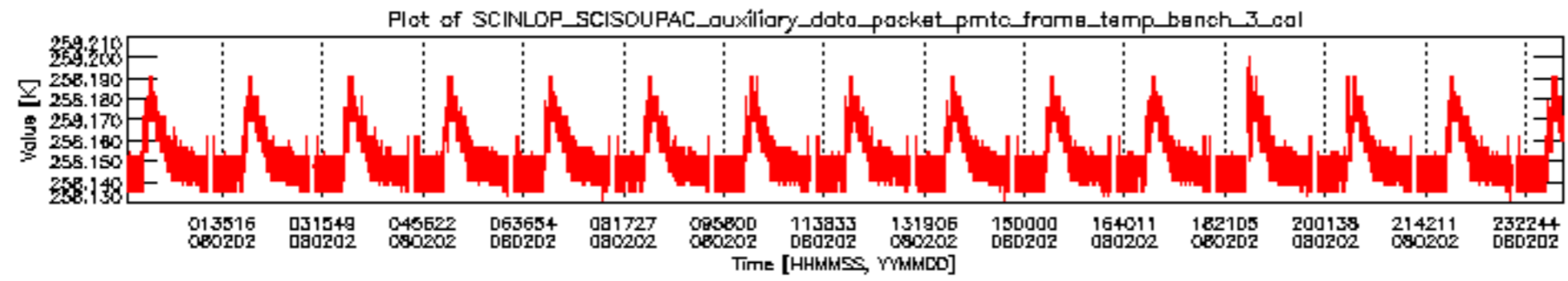
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080202_7.PNG

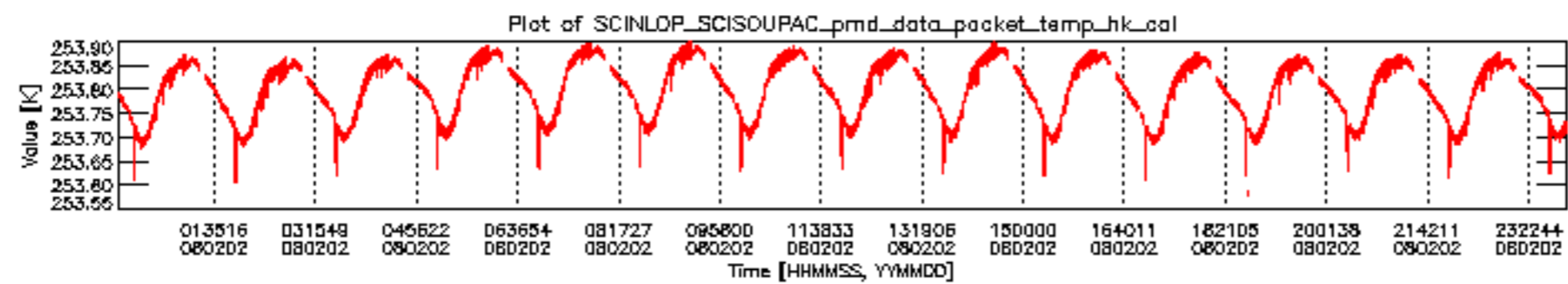


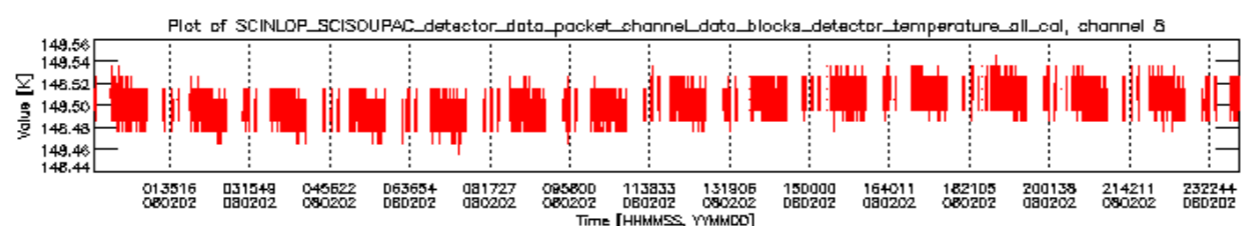
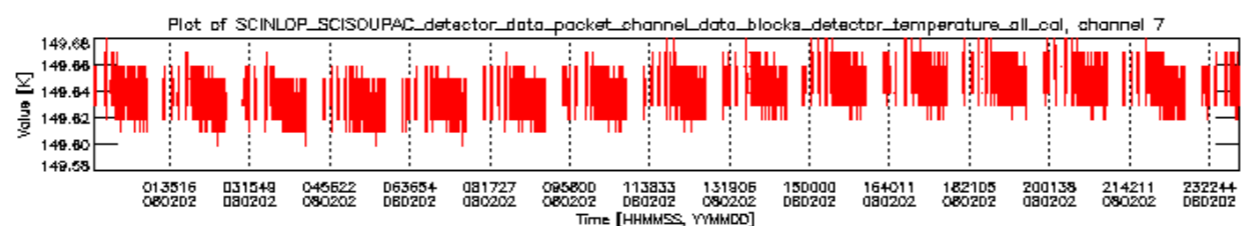
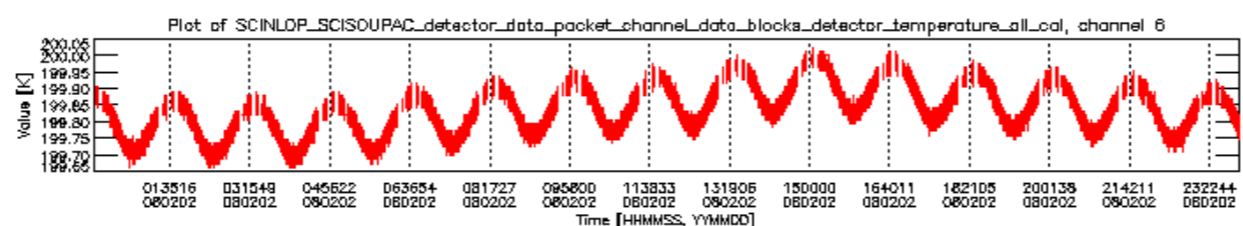
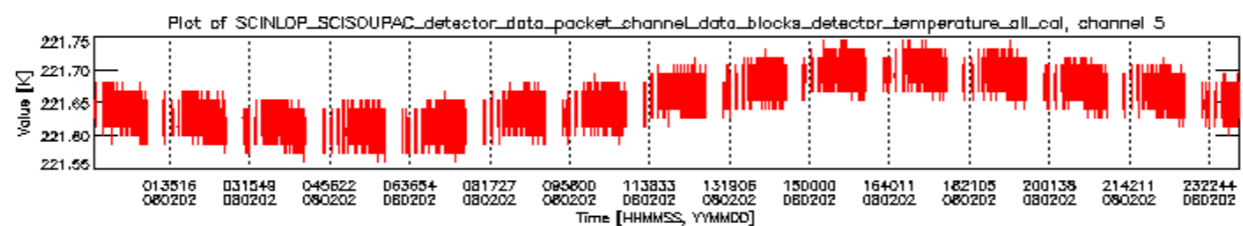
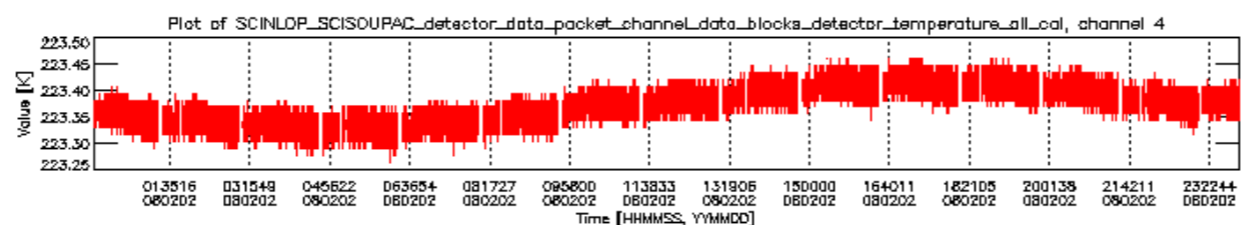
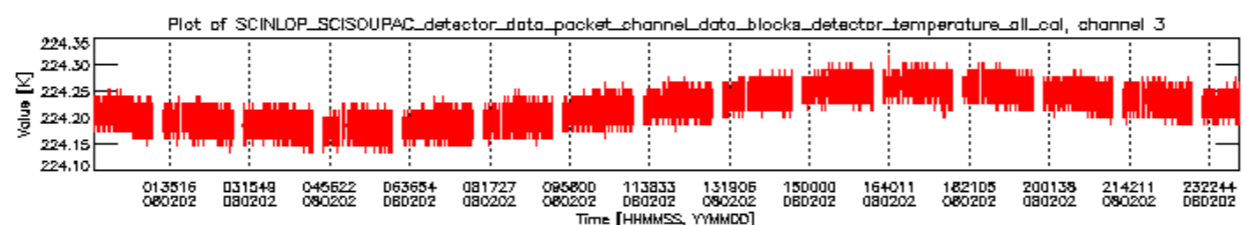
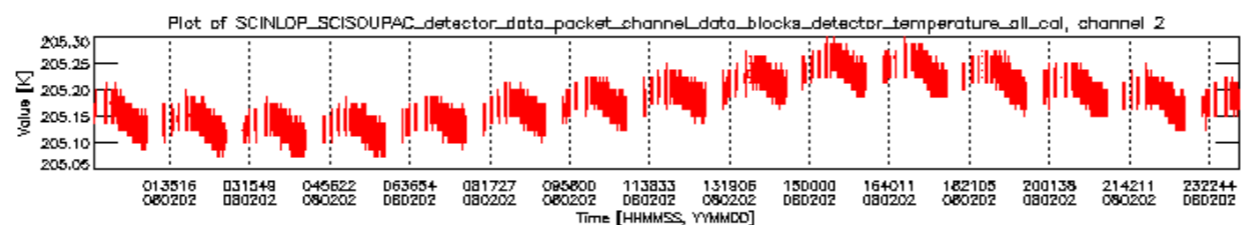
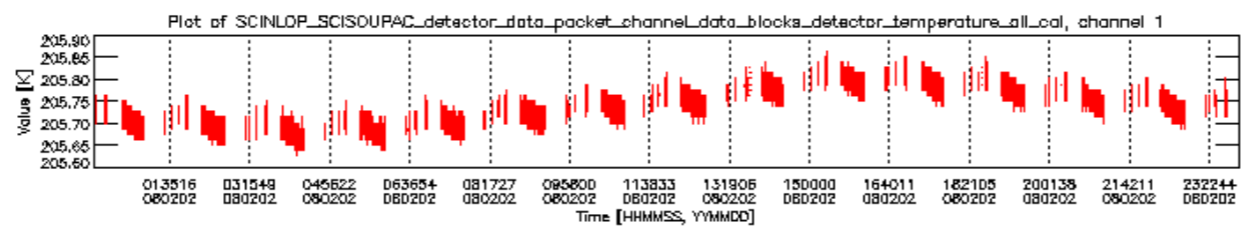
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080202_8.PNG

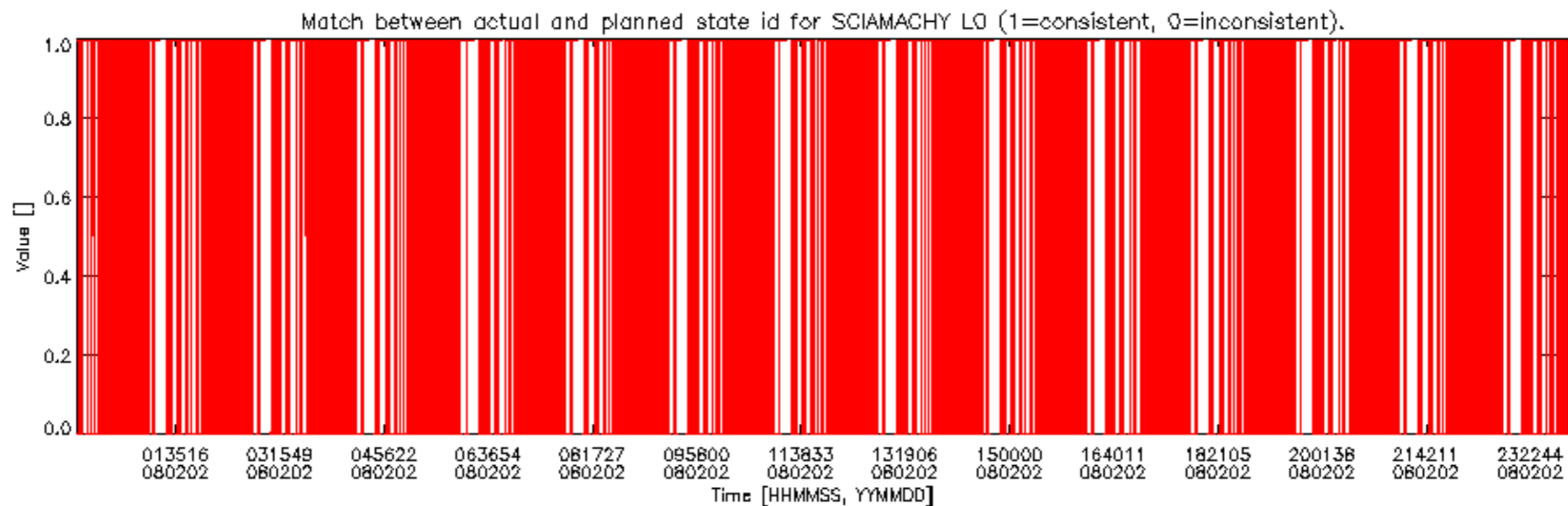
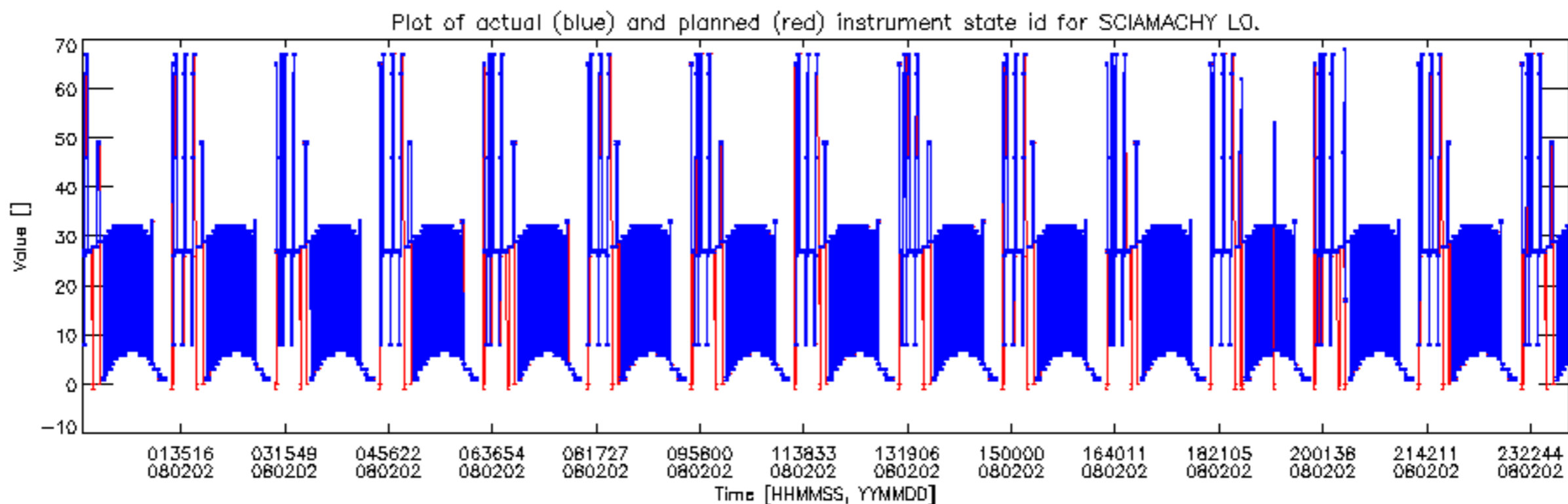




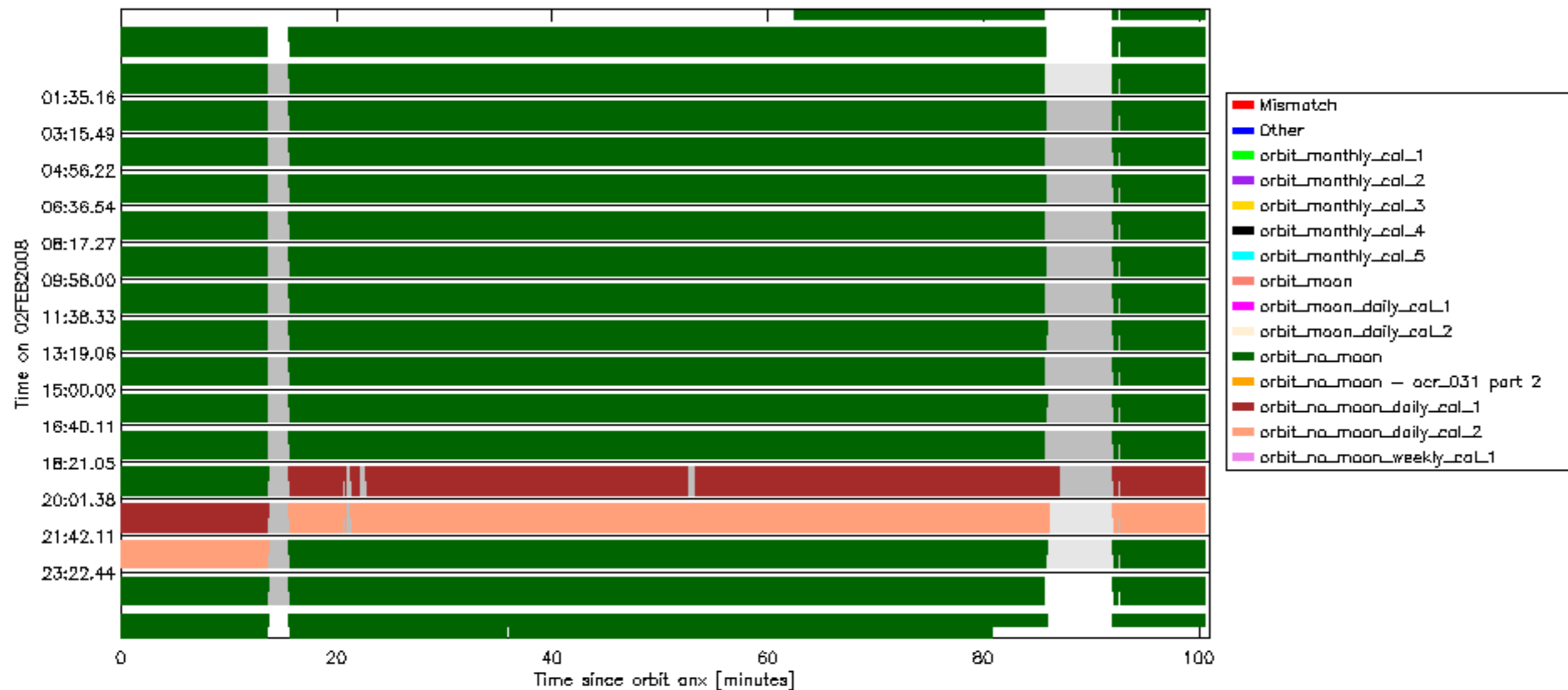


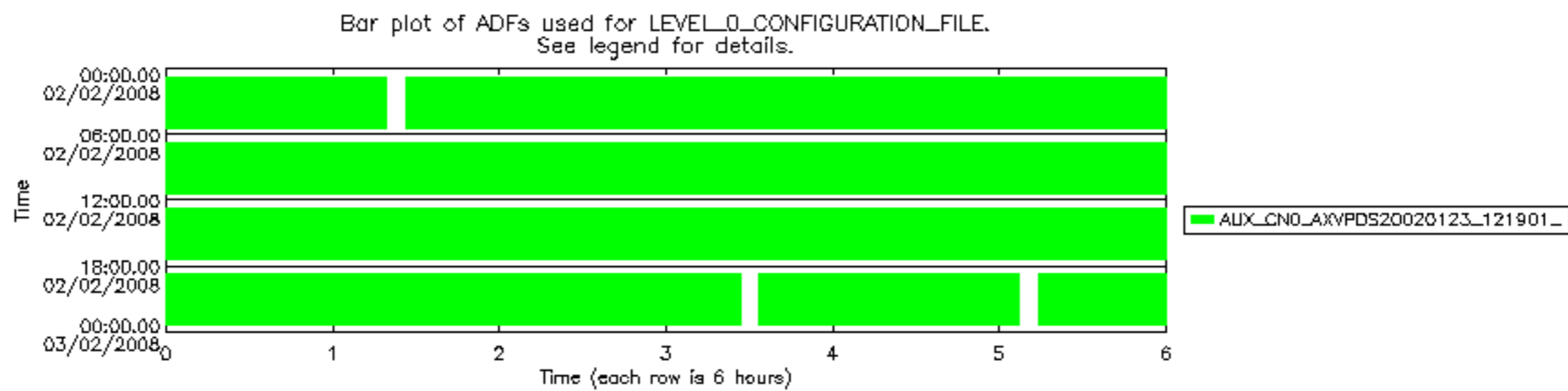






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 02FEB2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities 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.

