

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	02OCT2006 14:10:12
Data source version	PFHS/5.37-N
Processing scope for products	27SEP2006 00:00:00 to 28SEP2006 00:00:00
Start time of first product within scope	27SEP2006 07:33:58
Stop time of last product within scope	27SEP2006 20:11:19
Total number of level 0 products	8
Number of level 0 products with errors	8

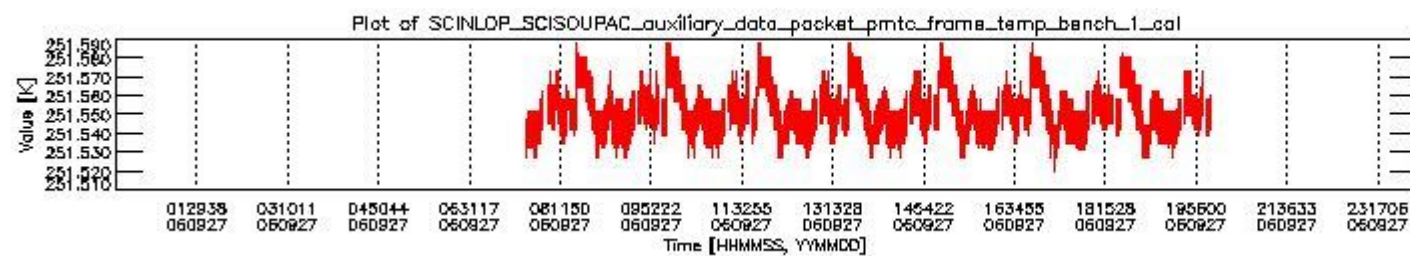
0.1.2 Summary per product

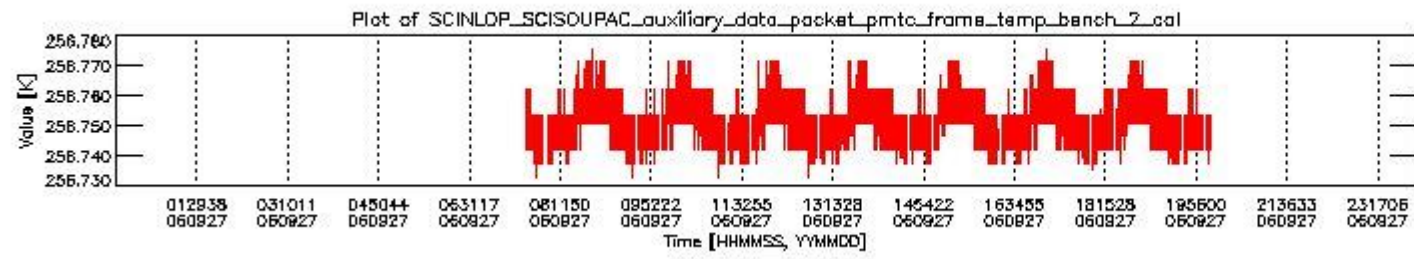
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20060927_073358_000039332051_00321_23922_0833.N1	27SEP2006 07:33:58	27SEP2006 08:39:31	1	0	1	0	0
1	SCI_NL__0PNPDK20060927_083823_000062292051_00322_23923_0834.N1	27SEP2006 08:38:23	27SEP2006 10:22:12	1	0	1	0	0
2	SCI_NL__0PNPDK20060927_102104_000059112051_00323_23924_0835.N1	27SEP2006 10:21:04	27SEP2006 11:59:36	1	0	1	0	0
3	SCI_NL__0PNPDK20060927_115840_000060922051_00324_23925_0836.N1	27SEP2006 11:58:40	27SEP2006 13:40:12	1	0	1	0	0
4	SCI_NL__0PNPDK20060927_133904_000059242051_00325_23926_0837.N1	27SEP2006 13:39:04	27SEP2006 15:17:48	1	0	1	0	0
5	SCI_NL__0PNPDK20060927_151640_000059122051_00326_23927_0838.N1	27SEP2006 15:16:40	27SEP2006 16:55:12	1	0	1	0	0
6	SCI_NL__0PNPDK20060927_165416_000059042051_00327_23928_0839.N1	27SEP2006 16:54:16	27SEP2006 18:32:40	1	0	1	0	0
7	SCI_NL__0PNPDK20060927_183240_000059192051_00328_23929_0840.N1	27SEP2006 18:32:40	27SEP2006 20:11:19	1	0	1	0	0

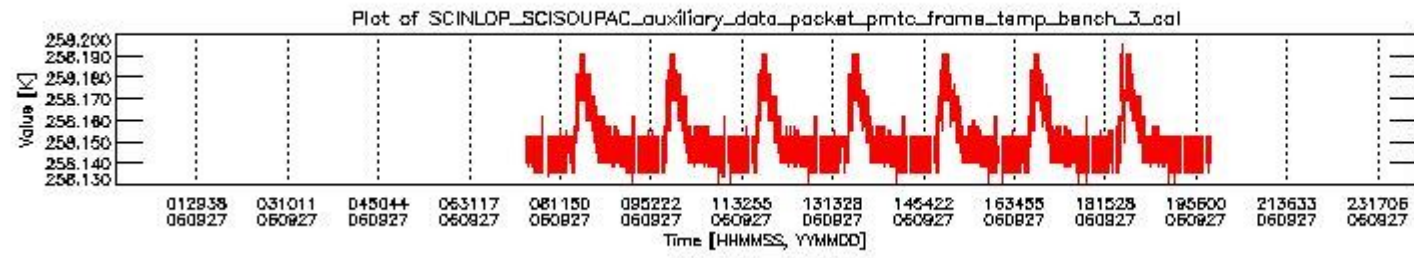
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

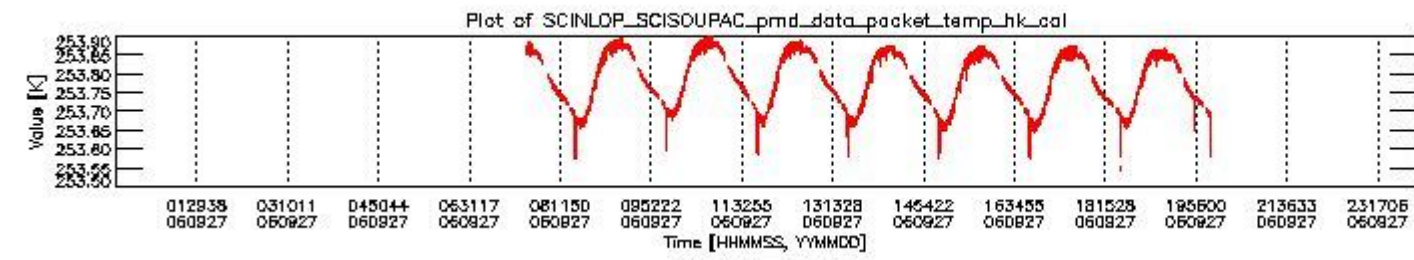




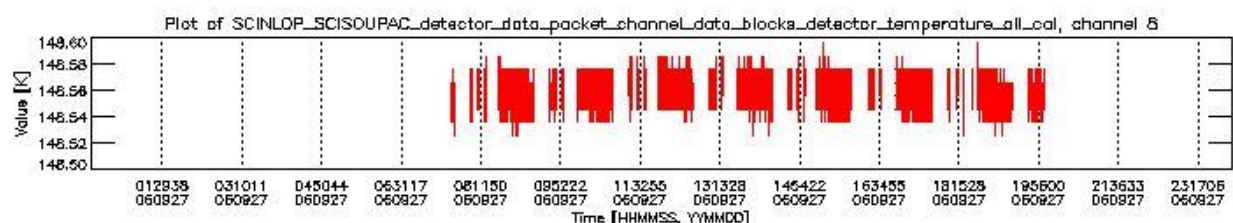
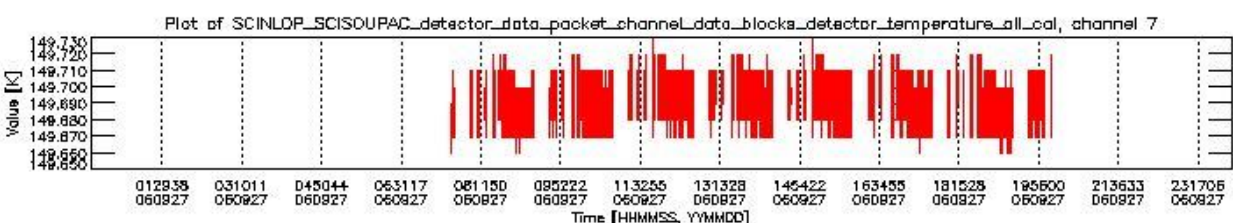
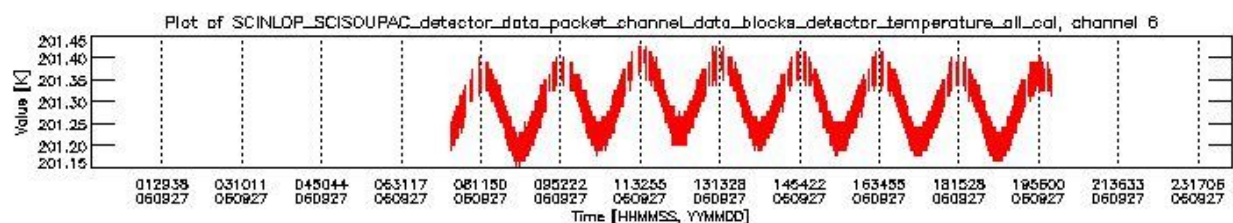
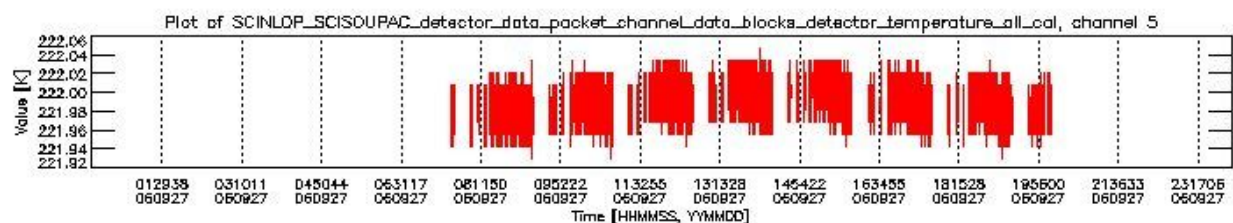
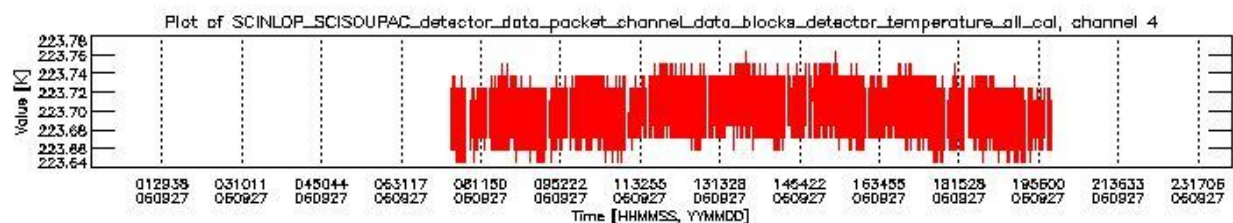
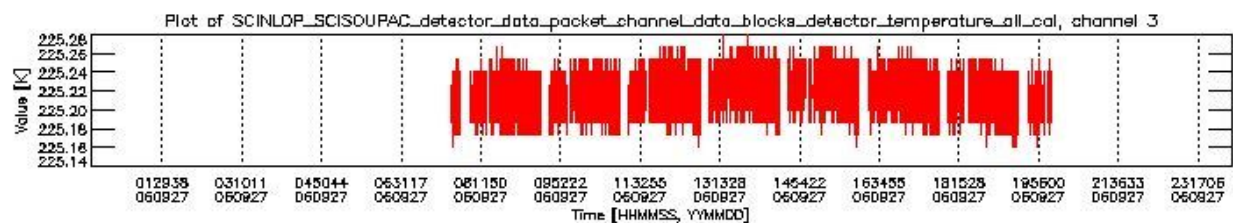
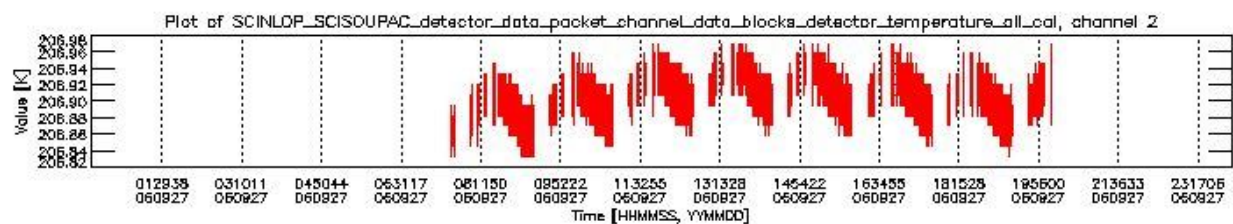
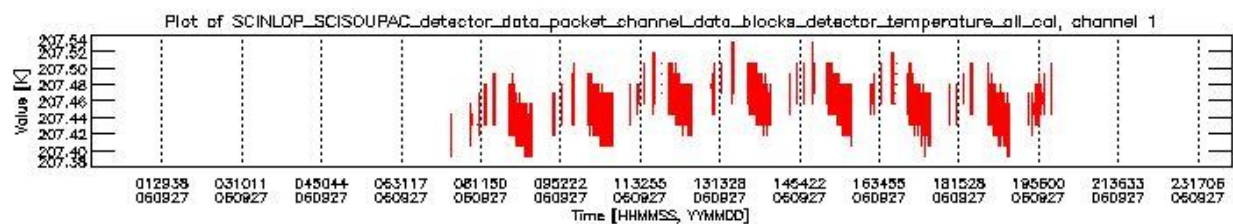
sciamachy_daily_report_level0_PFHS_5_37_N_20060927_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060927_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060927_3.PNG

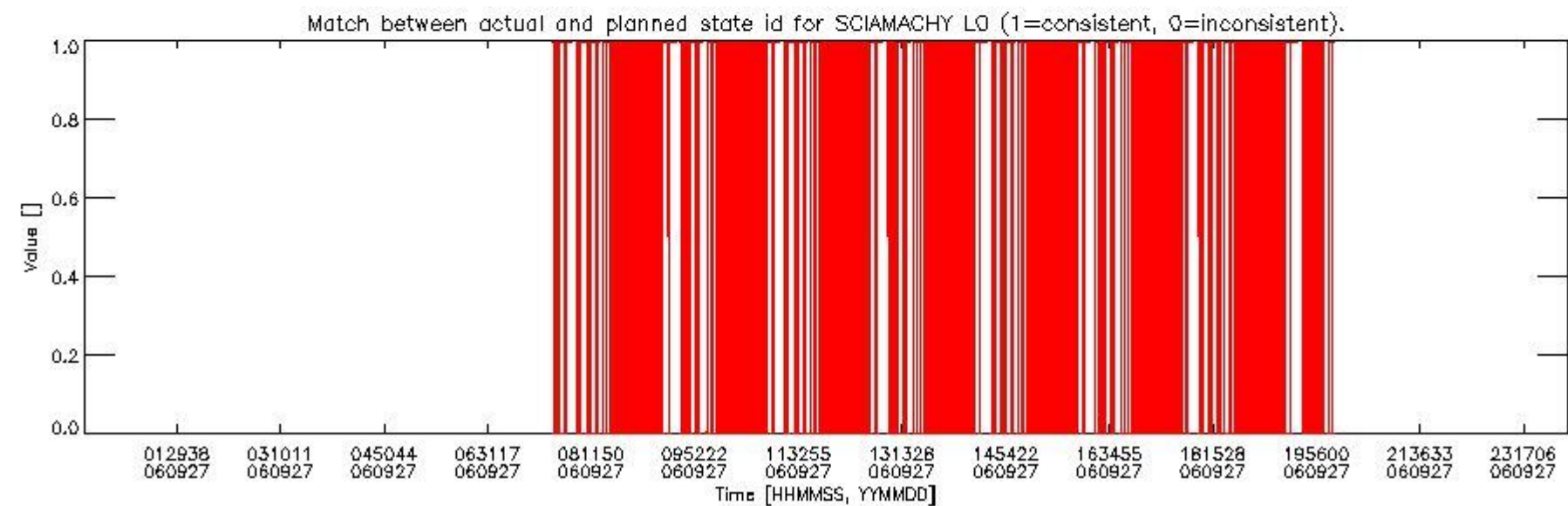
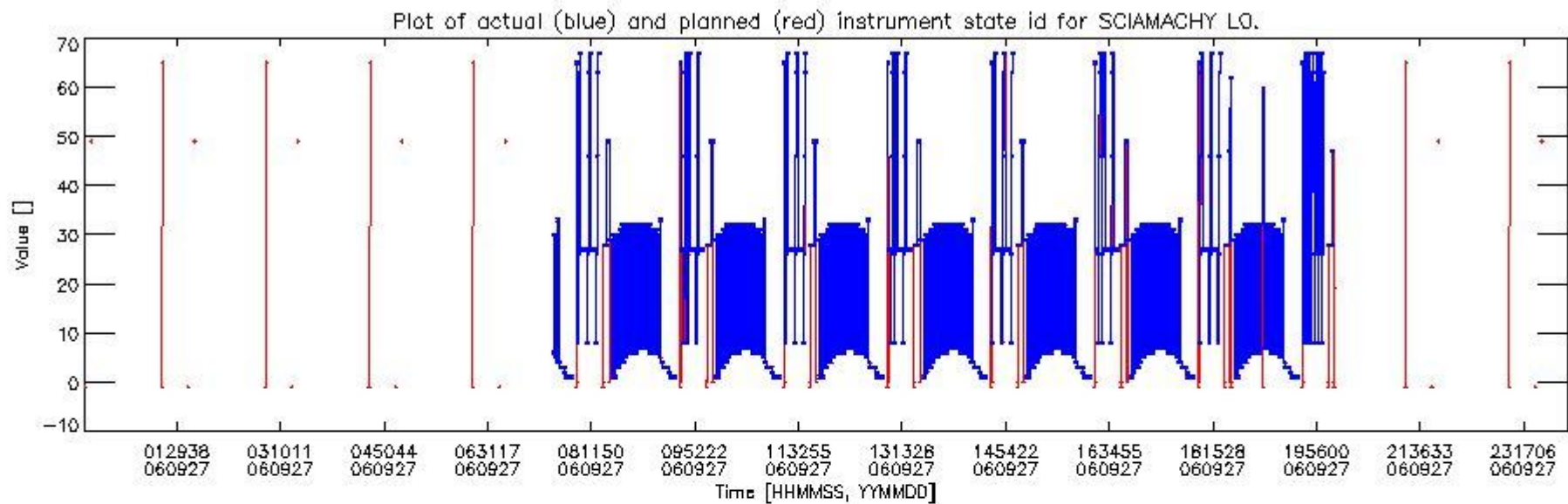


0.3 State monitoring

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: **3602**

#	Actual time	Actual value	Planned time	Planned value
0	27SEP2006 07:35:06.665044	30	27SEP2006 07:35:06.665044	6
1	27SEP2006 07:35:07.290065	30	27SEP2006 07:35:07.290065	6
2	27SEP2006 07:35:07.665038	30	27SEP2006 07:35:07.665038	6
3	27SEP2006 07:35:08.040051	30	27SEP2006 07:35:08.040051	6
4	27SEP2006 07:36:02.536155	5	27SEP2006 07:36:02.536155	30
5	27SEP2006 07:36:02.786163	5	27SEP2006 07:36:02.786163	30
6	27SEP2006 07:36:02.911128	5	27SEP2006 07:36:02.911128	30
7	27SEP2006 07:36:03.036132	5	27SEP2006 07:36:03.036132	30
8	27SEP2006 07:36:03.161136	5	27SEP2006 07:36:03.161136	30
9	27SEP2006 07:36:03.286141	5	27SEP2006 07:36:03.286141	30
10	27SEP2006 07:36:03.411145	5	27SEP2006 07:36:03.411145	30
11	27SEP2006 07:36:03.536149	5	27SEP2006 07:36:03.536149	30
12	27SEP2006 07:36:03.661154	5	27SEP2006 07:36:03.661154	30
13	27SEP2006 07:36:03.786158	5	27SEP2006 07:36:03.786158	30
14	27SEP2006 07:36:03.911162	5	27SEP2006 07:36:03.911162	30
15	27SEP2006 07:36:04.036126	5	27SEP2006 07:36:04.036126	30
16	27SEP2006 07:36:04.161131	5	27SEP2006 07:36:04.161131	30
17	27SEP2006 07:37:11.098647	30	27SEP2006 07:37:11.098647	5
18	27SEP2006 07:37:11.723629	30	27SEP2006 07:37:11.723629	5
19	27SEP2006 07:37:12.098642	30	27SEP2006 07:37:12.098642	5
...

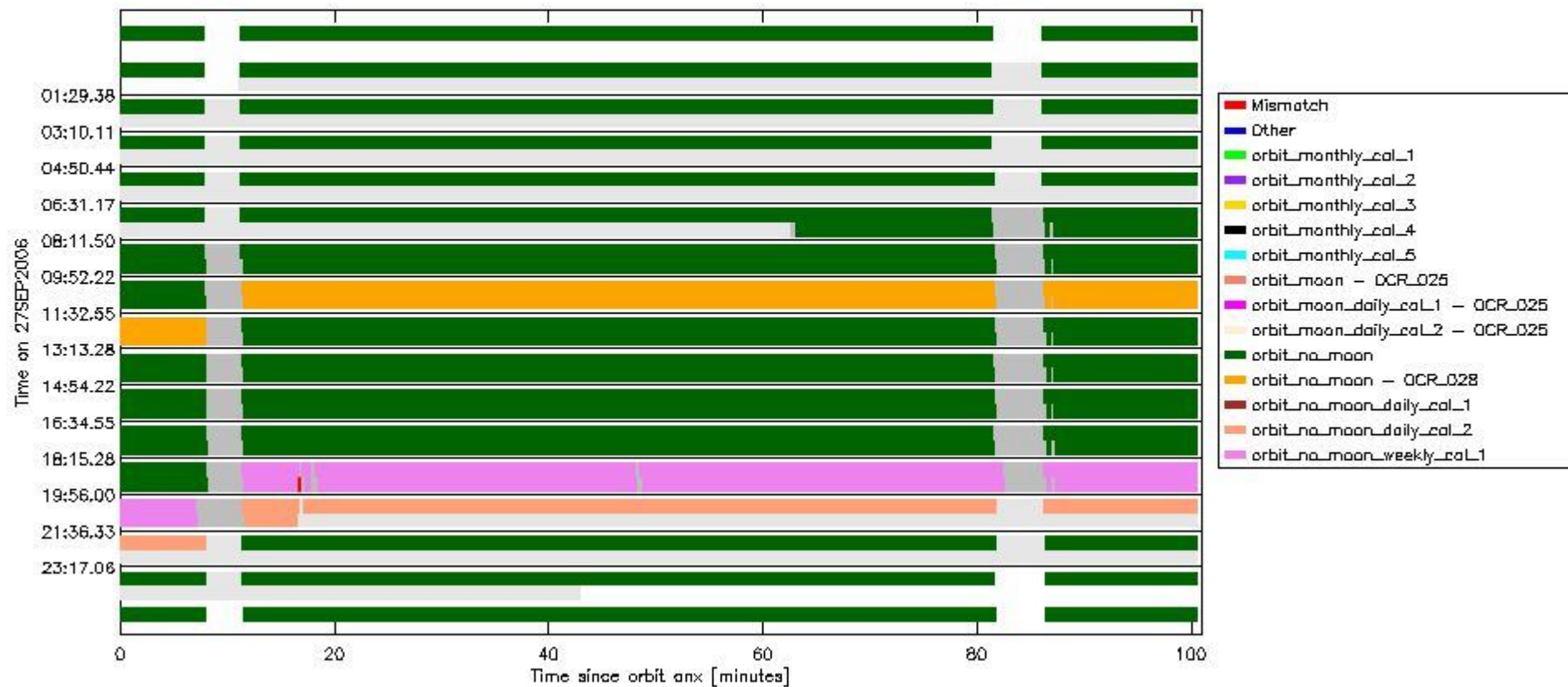


sciamachy_daily_report_level0_PFHS_5_37_N_20060927_5.PNG

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 27SEP2006.
 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_PFHS_5_37_N_20060927_6.PNG

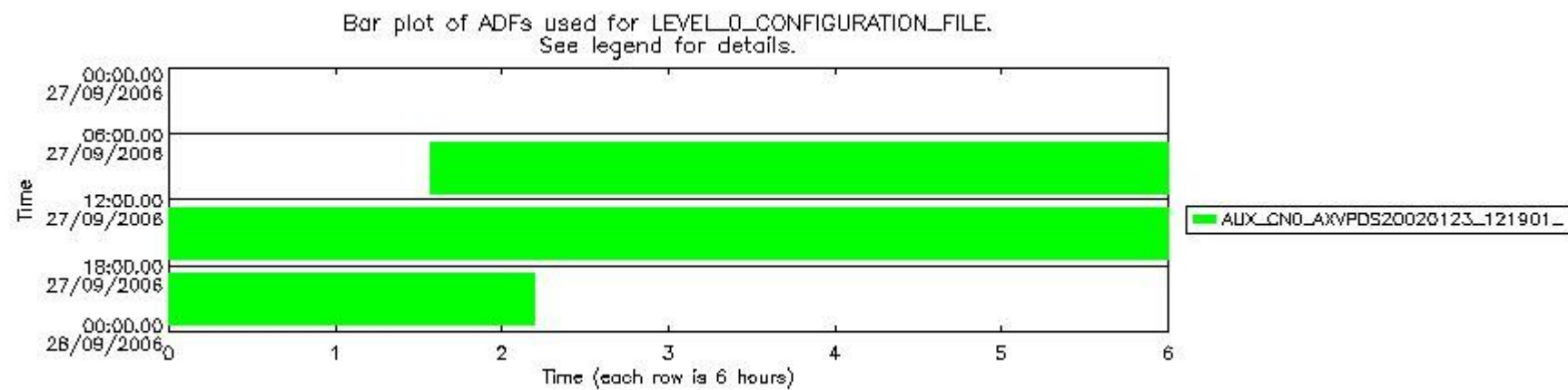
0.4 ADF monitoring

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

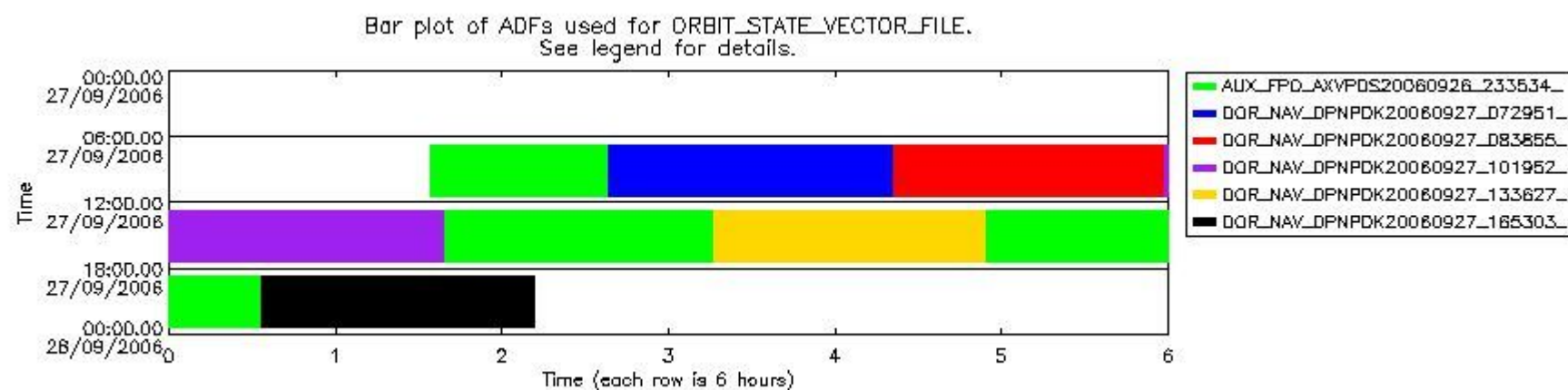
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

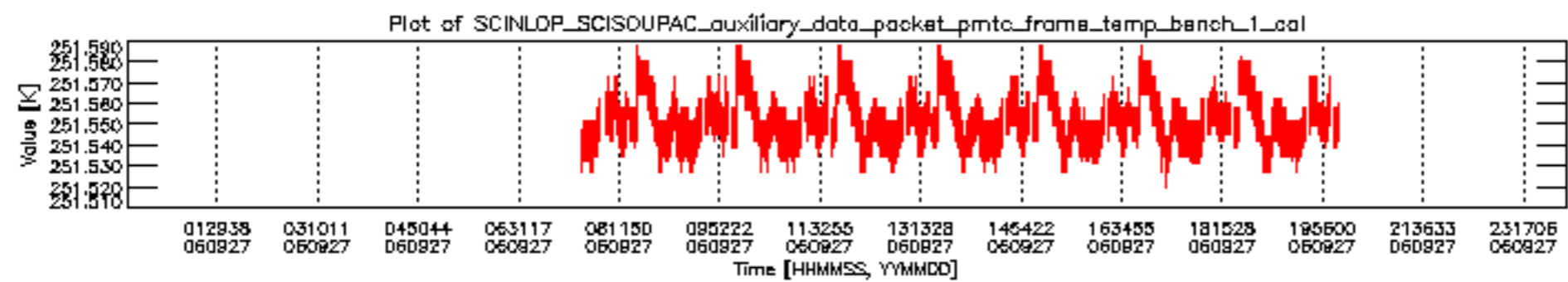
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20060926_233534_20060926_184703_20061006_201318
2	DOR_NAV_OPNPDK20060927_072951_000038252051_00321_23922_0867.N1
3	DOR_NAV_OPNPDK20060927_083855_000057382051_00322_23923_0868.N1
4	DOR_NAV_OPNPDK20060927_101952_000054192051_00323_23924_0869.N1
5	DOR_NAV_OPNPDK20060927_133627_000057382051_00325_23926_0871.N1
6	DOR_NAV_OPNPDK20060927_165303_000054192051_00327_23928_0873.N1

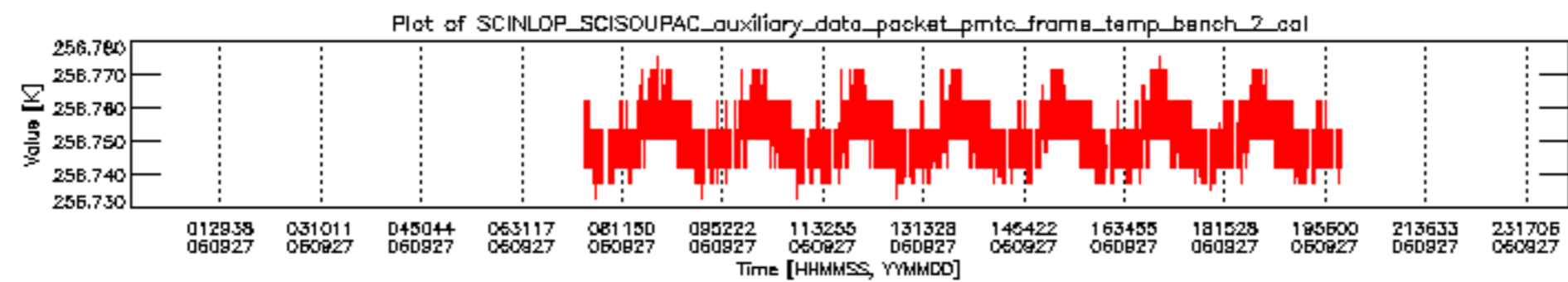


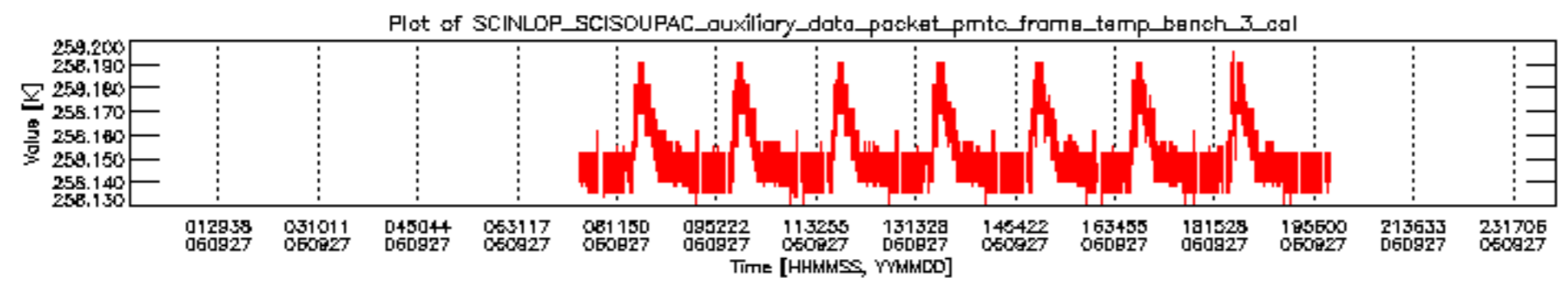
sciamachy_daily_report_level0_PPHS_5_37_N_20060927_7.PNG

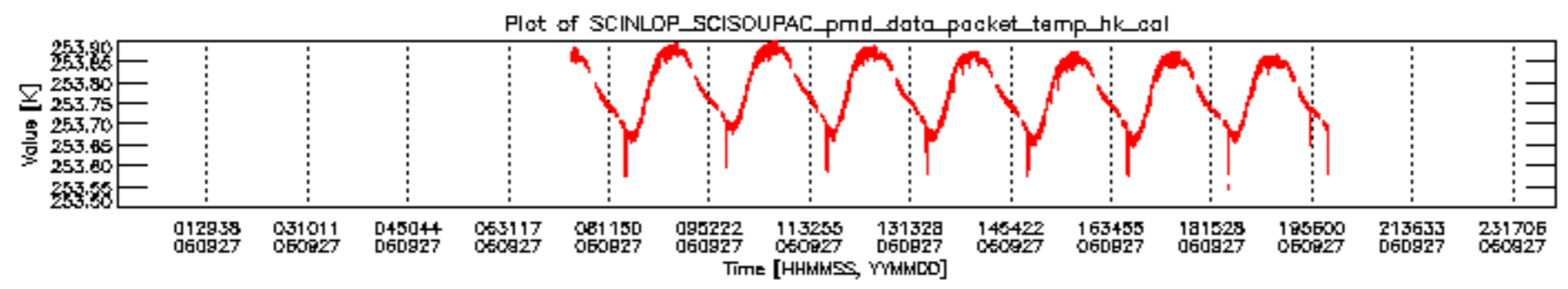


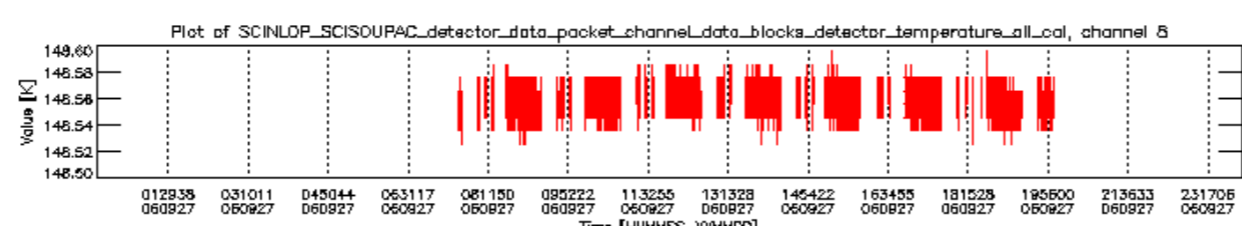
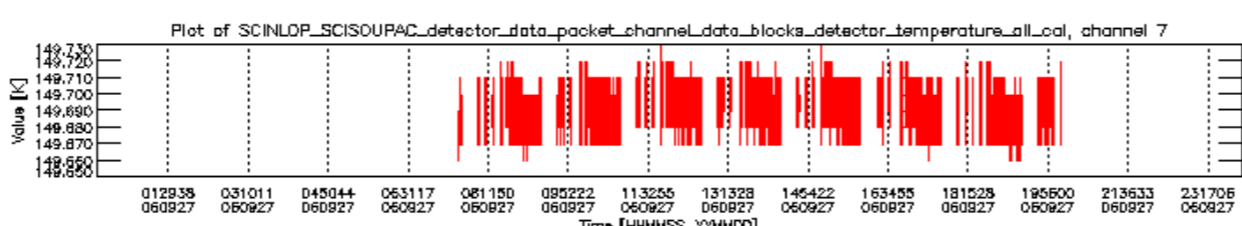
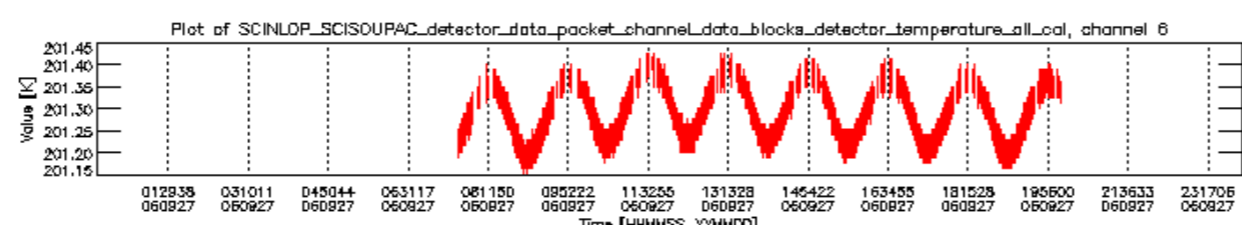
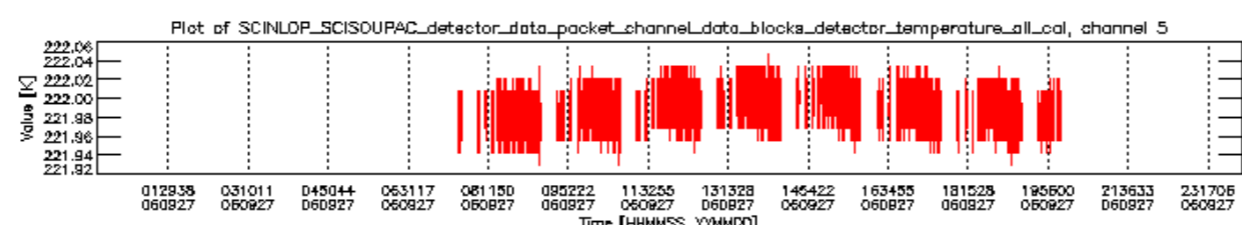
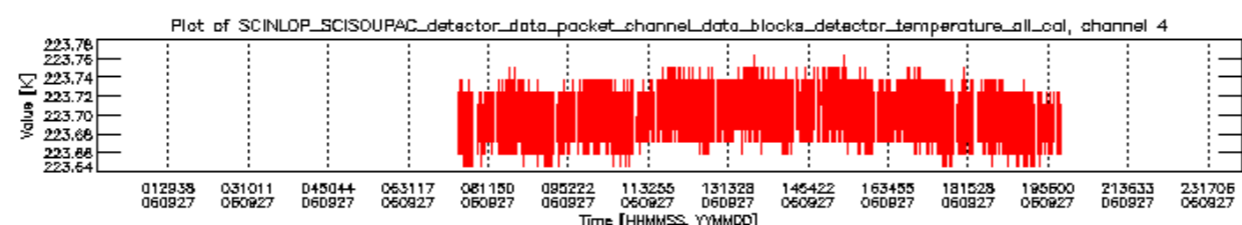
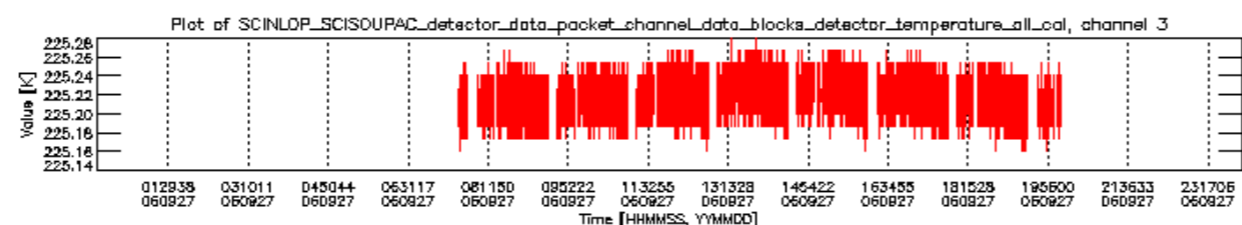
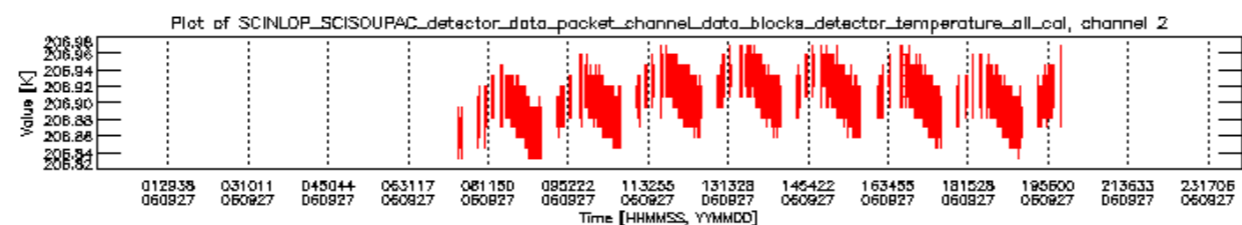
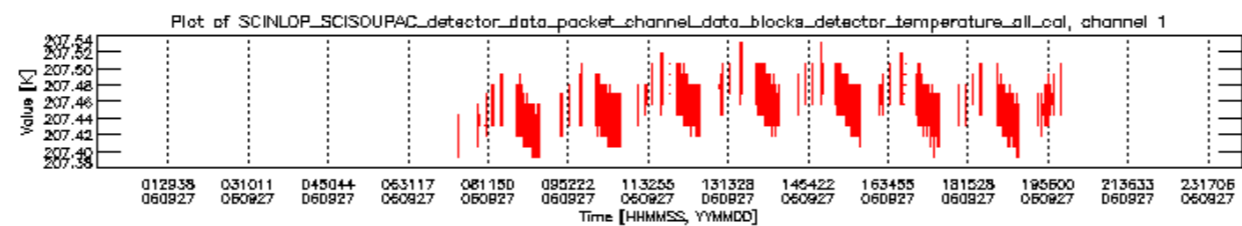
sciamachy_daily_report_level0_PPHS_5_37_N_20060927_8.PNG

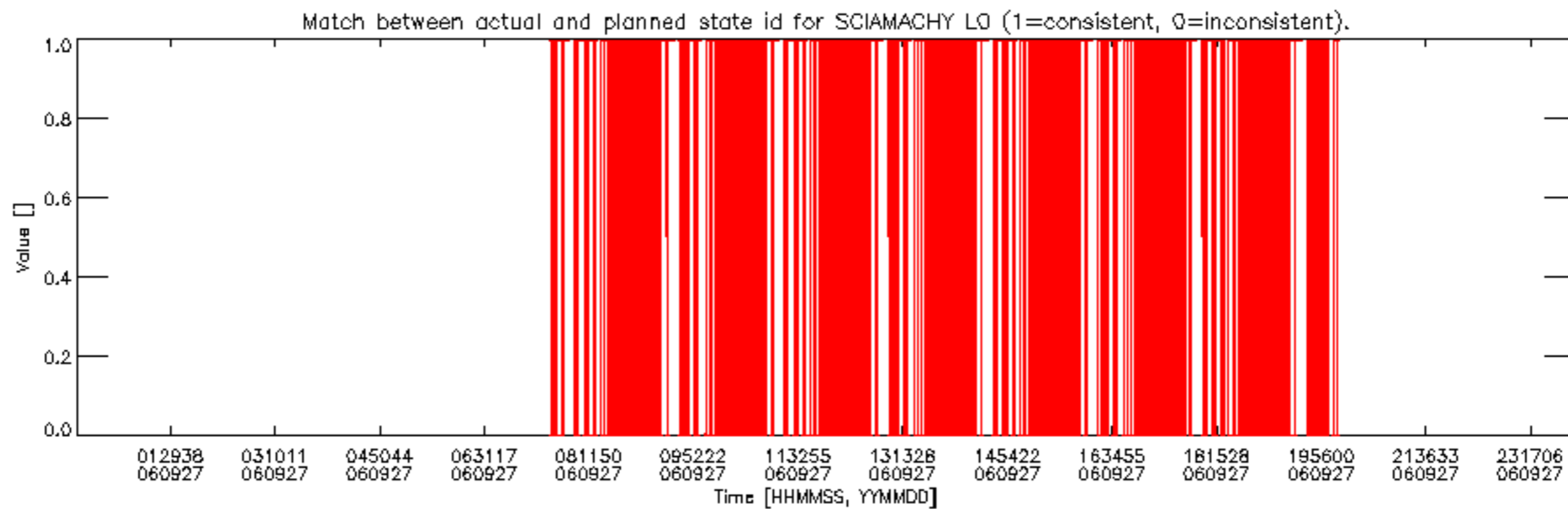
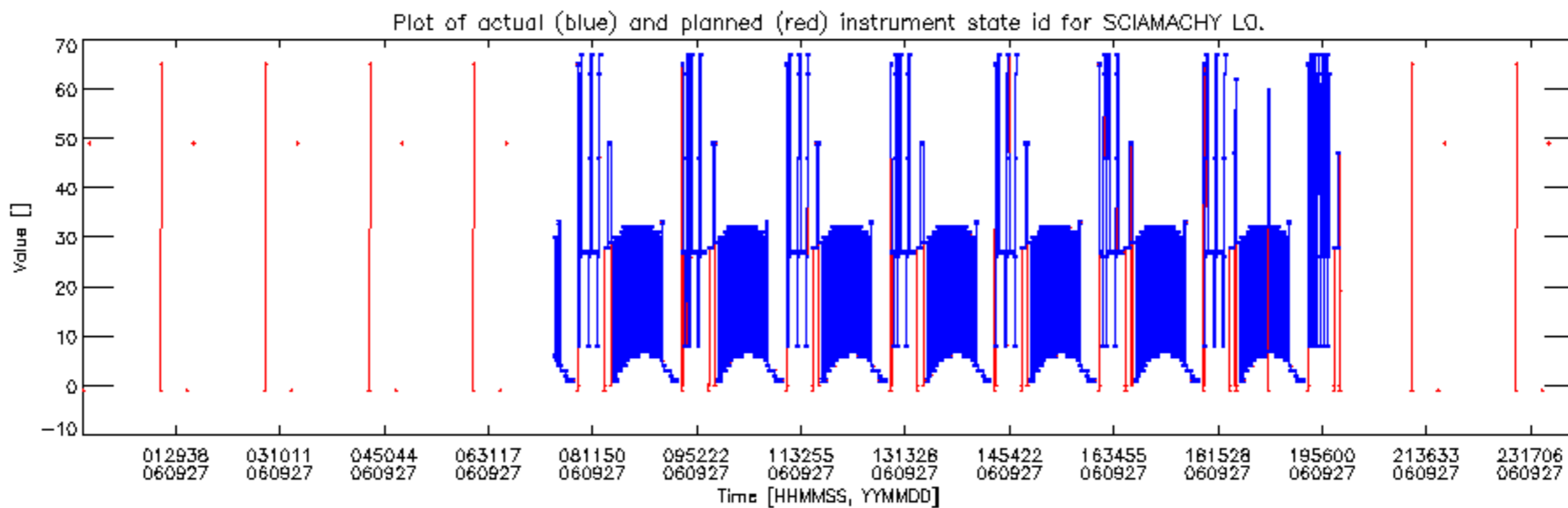




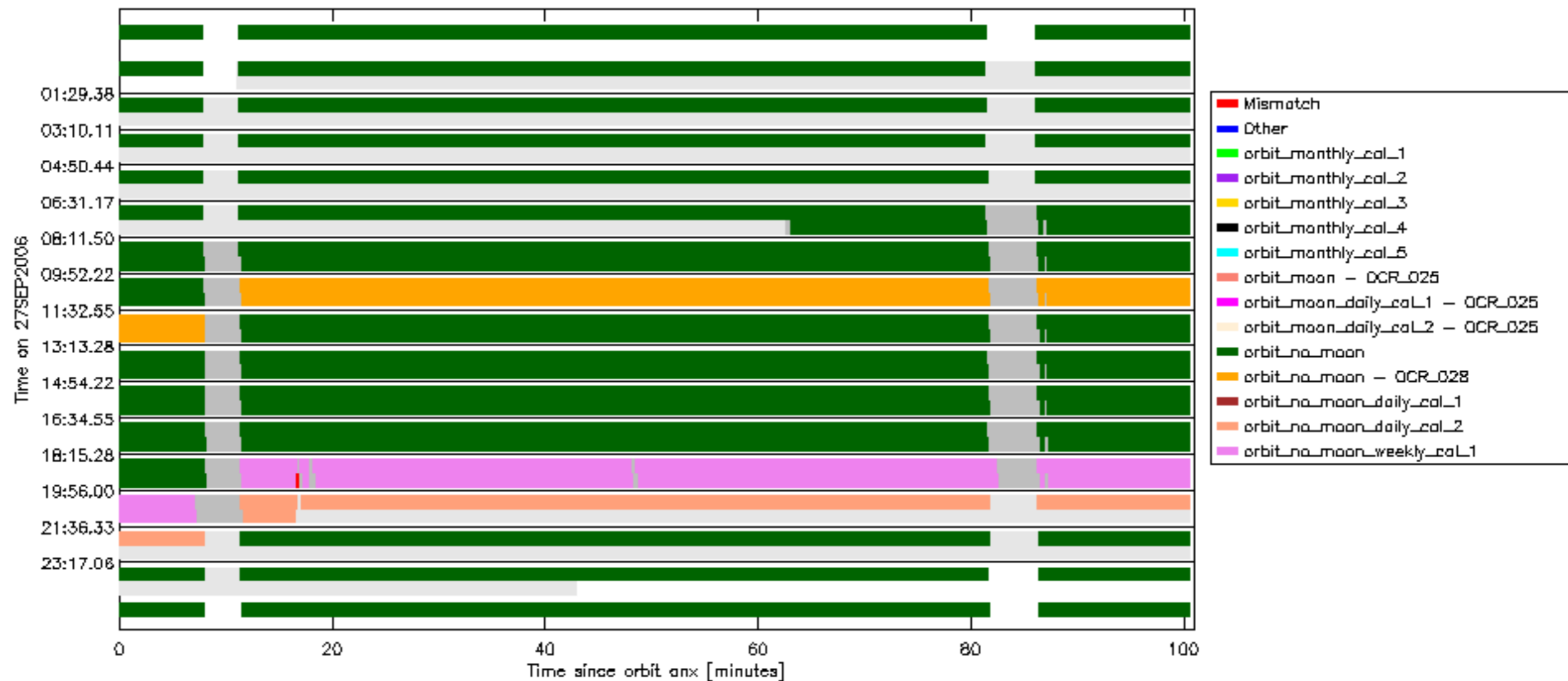


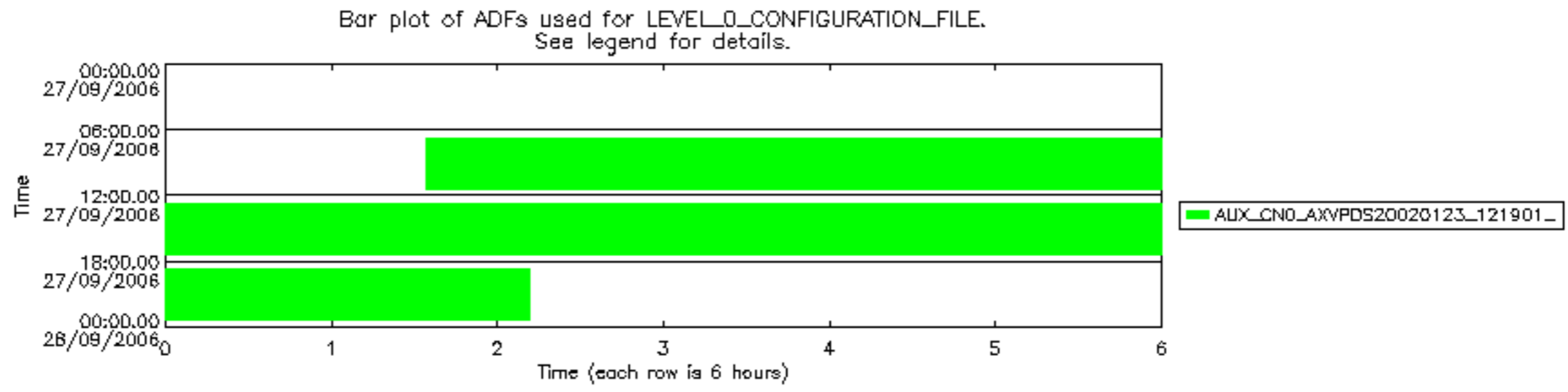






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 27SEP2006.
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 The remaining colours indicate planned activities and/or special measurements.
 Planned 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.

