

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	10DEC2006 05:18:14
Data source version	PFHS/5.37-N
Processing scope for products	06DEC2006 00:00:00 to 07DEC2006 00:00:00
Start time of first product within scope	06DEC2006 07:34:18
Stop time of last product within scope	06DEC2006 16:52:53
Total number of level 0 products	6
Number of level 0 products with errors	6

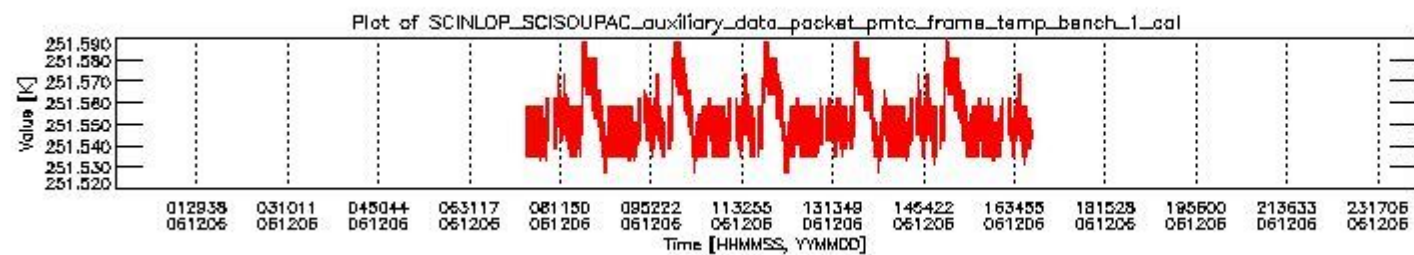
0.1.2 Summary per product

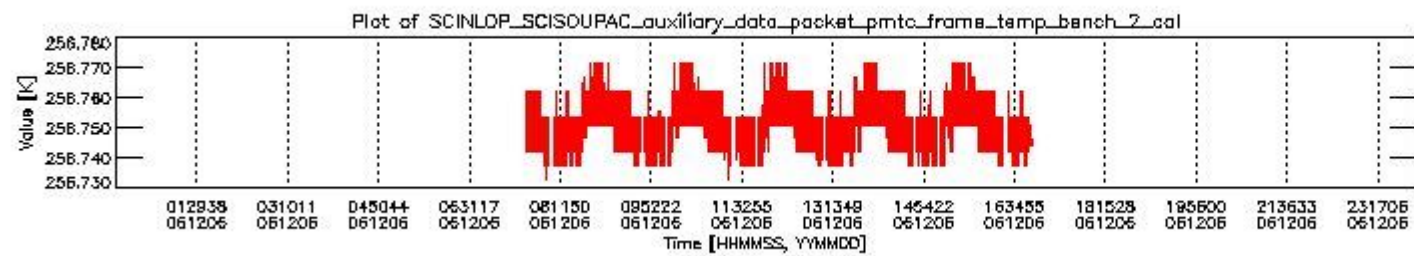
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20061206_073418_000038642053_00321_24924_1578.N1	06DEC2006 07:34:18	06DEC2006 08:38:43	1	0	1	0	0
1	SCI_NL__0PNPDK20061206_083747_000061472053_00322_24925_1579.N1	06DEC2006 08:37:47	06DEC2006 10:20:15	1	0	1	0	0
2	SCI_NL__0PNPDK20061206_102015_000059802053_00323_24926_1580.N1	06DEC2006 10:20:15	06DEC2006 11:59:55	1	0	1	0	0
3	SCI_NL__0PNPDK20061206_115859_000060362053_00324_24927_1581.N1	06DEC2006 11:58:59	06DEC2006 13:39:35	1	0	1	0	0
4	SCI_NL__0PNPDK20061206_133839_000058422053_00325_24928_1582.N1	06DEC2006 13:38:39	06DEC2006 15:16:01	1	0	1	0	0
5	SCI_NL__0PNPDK20061206_151601_000058112053_00326_24929_1583.N1	06DEC2006 15:16:01	06DEC2006 16:52:53	1	0	1	0	0

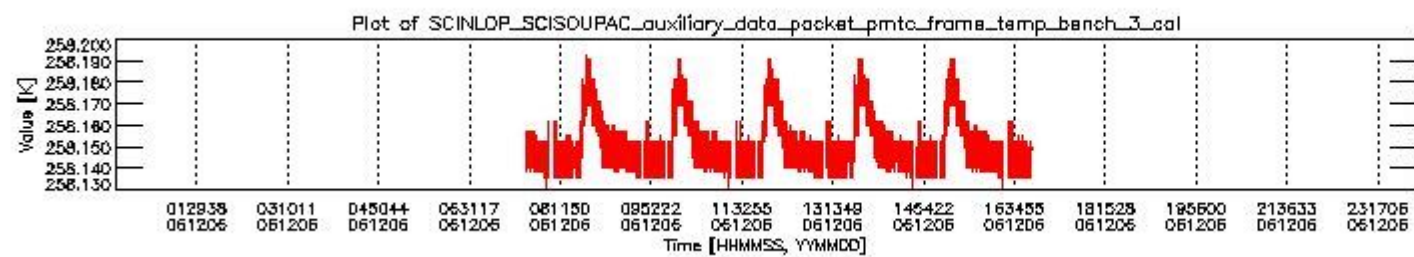
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

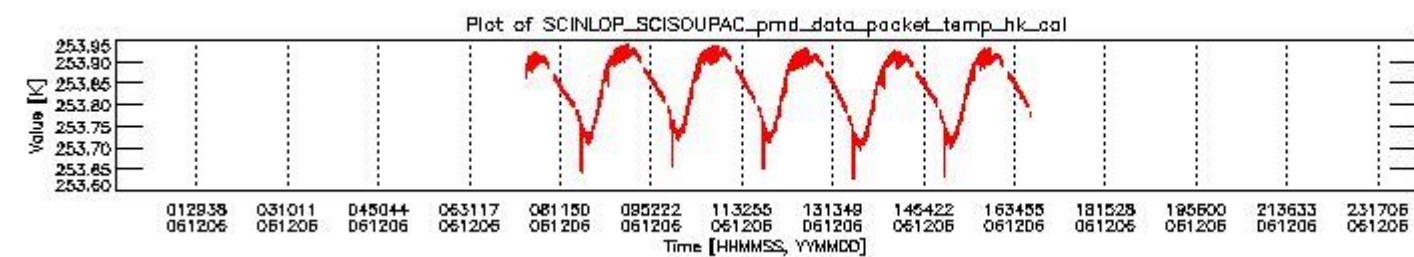




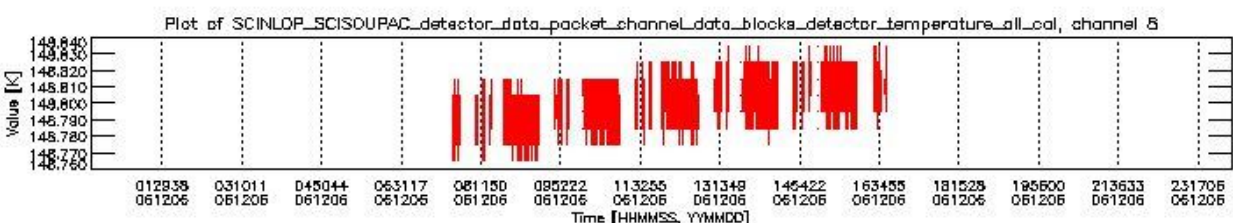
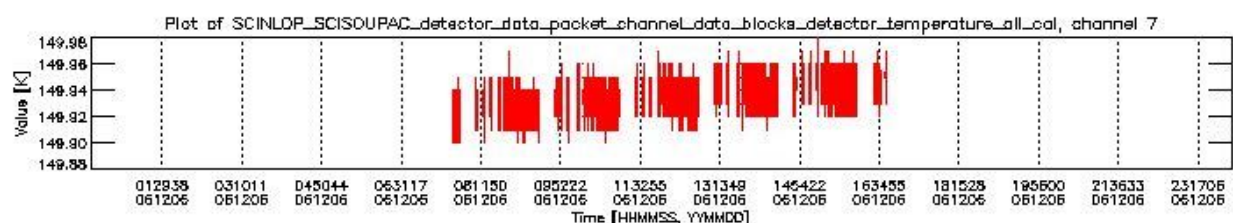
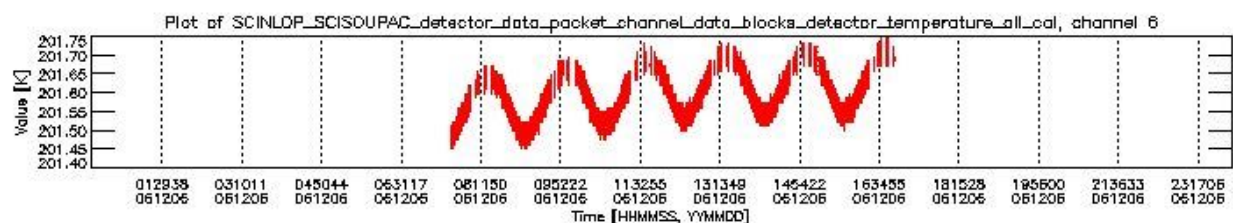
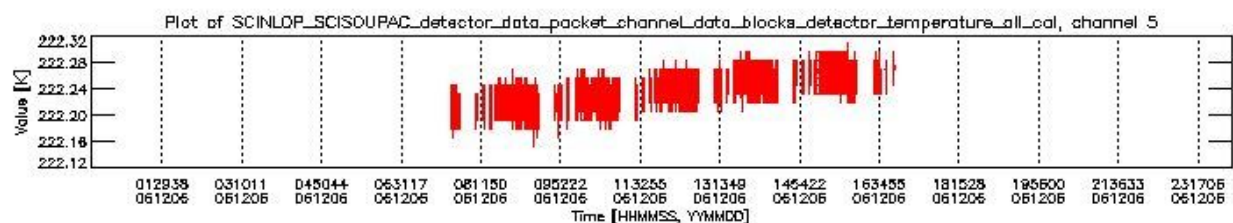
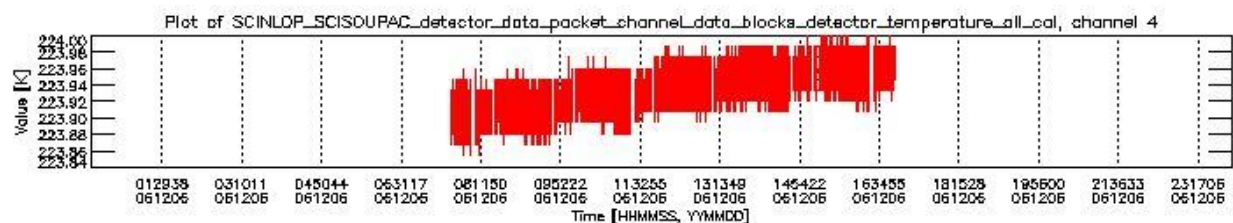
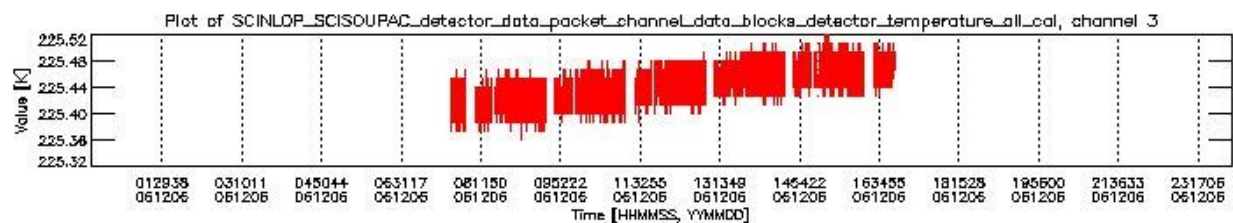
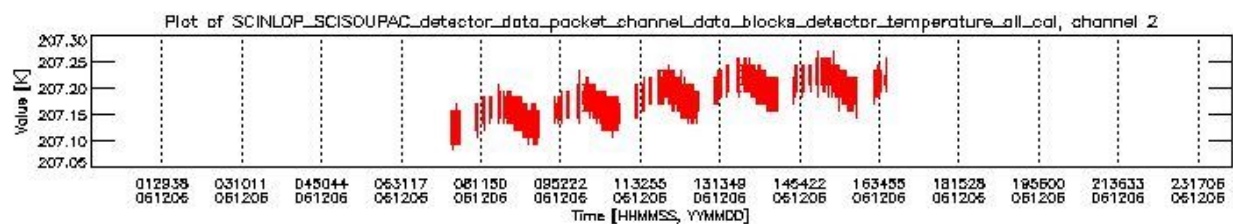
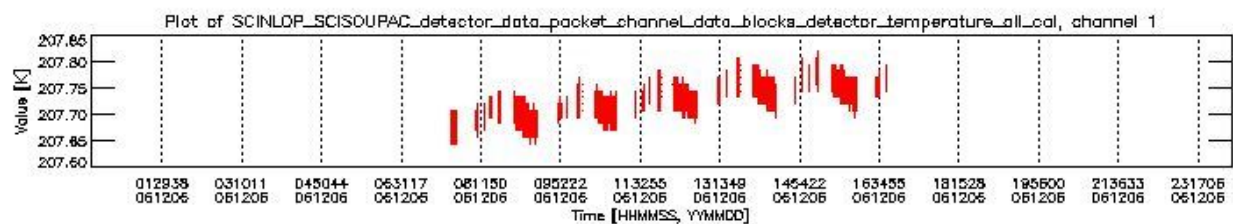
sciamachy_daily_report_level0_PFHS_5_37_N_20061206_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061206_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061206_3.PNG

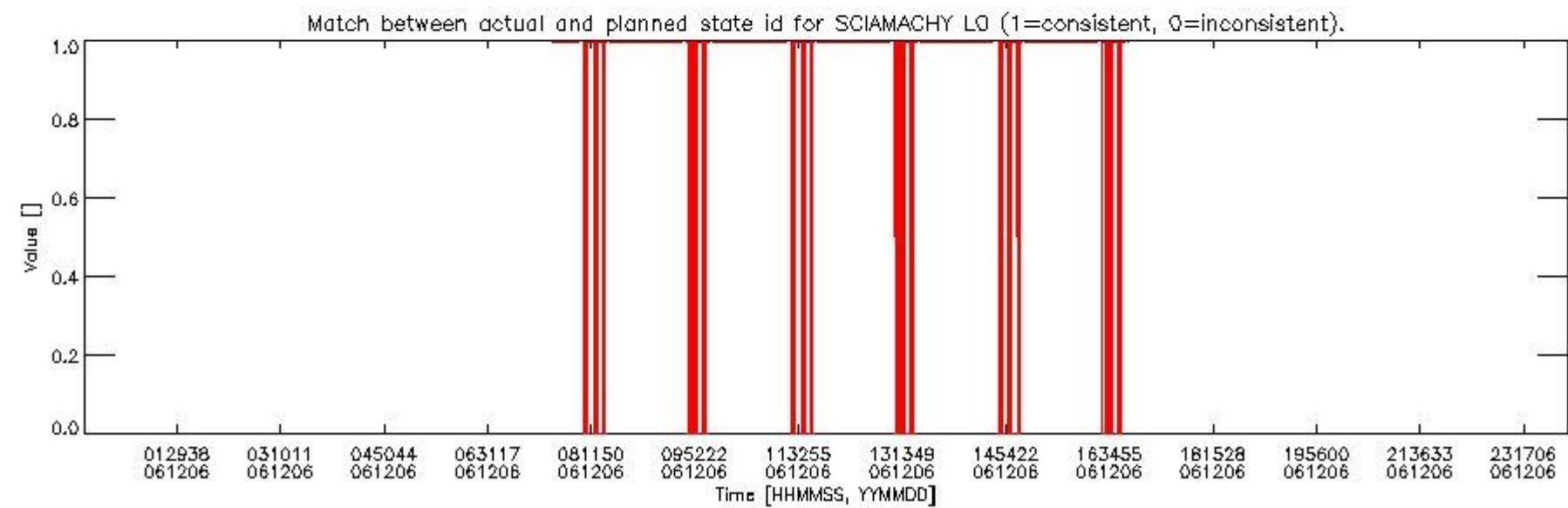
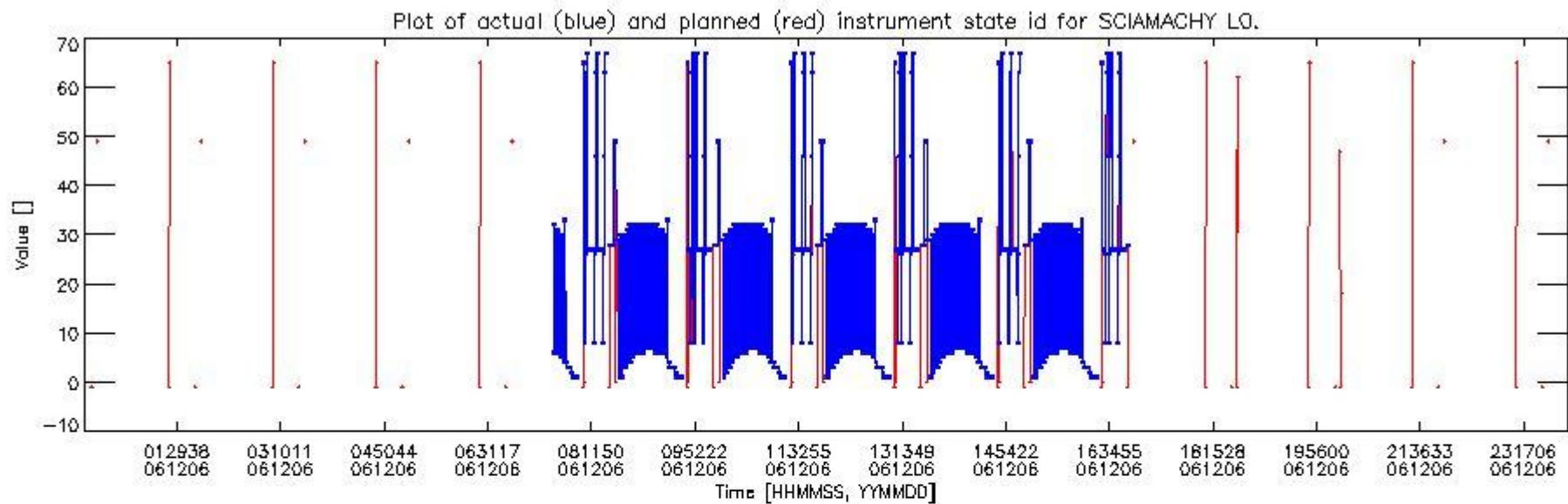


0.3 State monitoring

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: **111**

#	Actual time	Actual value	Planned time	Planned value
0	06DEC2006 08:05:12.355269	8	06DEC2006 08:05:12.355269	0
1	06DEC2006 08:05:55.917777	26	06DEC2006 08:05:55.917777	8
2	06DEC2006 08:06:29.472453	46	06DEC2006 08:06:29.472453	26
3	06DEC2006 08:06:43.034963	63	06DEC2006 08:06:43.034963	46
4	06DEC2006 08:07:16.593542	67	06DEC2006 08:07:16.593542	63
5	06DEC2006 08:08:40.152131	27	06DEC2006 08:08:40.152131	67
6	06DEC2006 08:14:32.620869	8	06DEC2006 08:14:32.620869	27
7	06DEC2006 08:15:16.183376	26	06DEC2006 08:15:16.183376	8
8	06DEC2006 08:15:49.741955	46	06DEC2006 08:15:49.741955	26
9	06DEC2006 08:16:03.300562	63	06DEC2006 08:16:03.300562	46
10	06DEC2006 08:16:36.859141	67	06DEC2006 08:16:36.859141	63
11	06DEC2006 08:18:00.417730	27	06DEC2006 08:18:00.417730	67
12	06DEC2006 08:23:08.827845	8	06DEC2006 08:23:08.827845	27
13	06DEC2006 08:23:52.390353	26	06DEC2006 08:23:52.390353	8
14	06DEC2006 08:24:25.948972	46	06DEC2006 08:24:25.948972	26
15	06DEC2006 08:24:39.503636	63	06DEC2006 08:24:39.503636	46
16	06DEC2006 08:25:13.062215	67	06DEC2006 08:25:13.062215	63
17	06DEC2006 09:45:48.444799	27	06DEC2006 09:45:48.444799	0
18	06DEC2006 09:48:00.624448	8	06DEC2006 09:48:00.624448	27
19	06DEC2006 09:48:44.179150	26	06DEC2006 09:48:44.179150	8
...

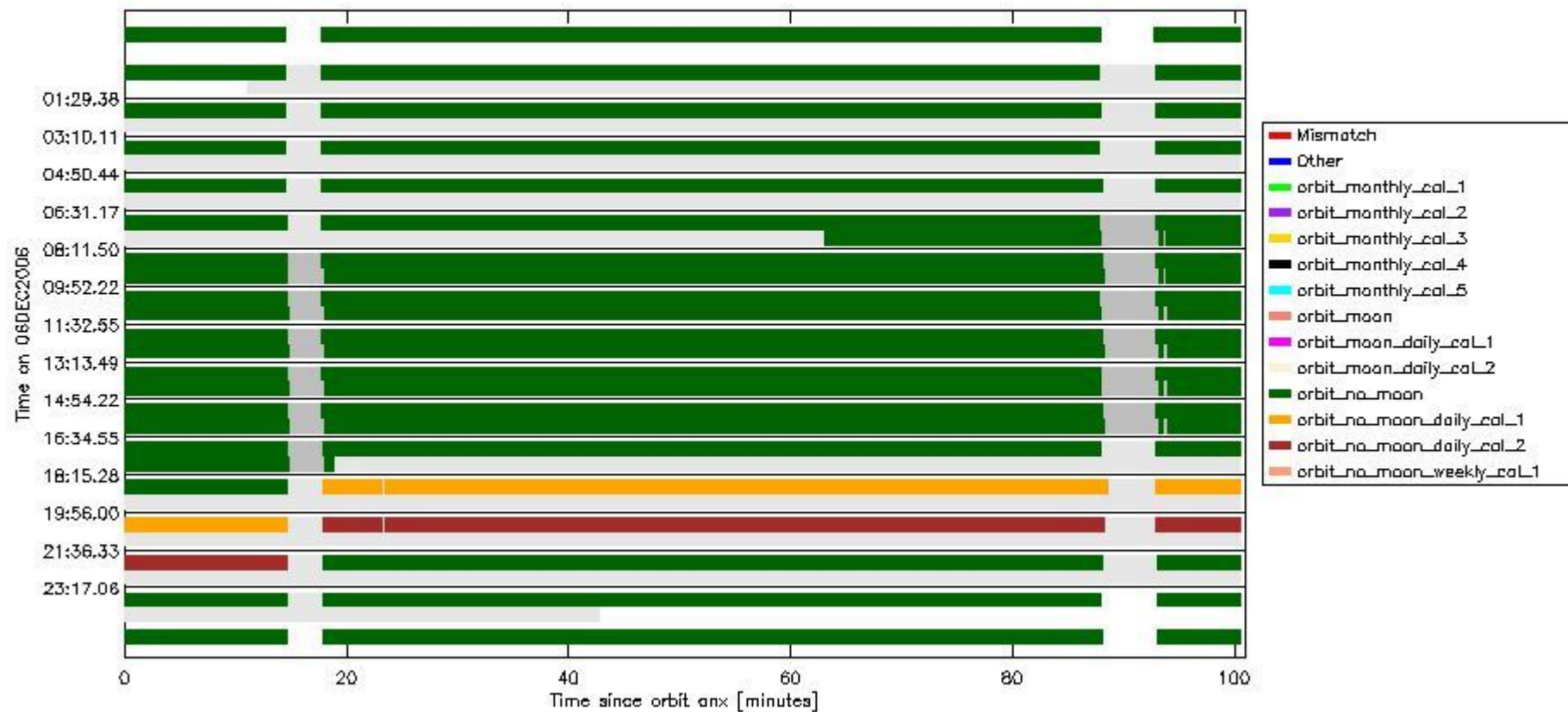


sciamachy_daily_report_level0_PFHS_5_37_N_20061206_5.PNG

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 06DEC2006.
 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_20061206_6.PNG

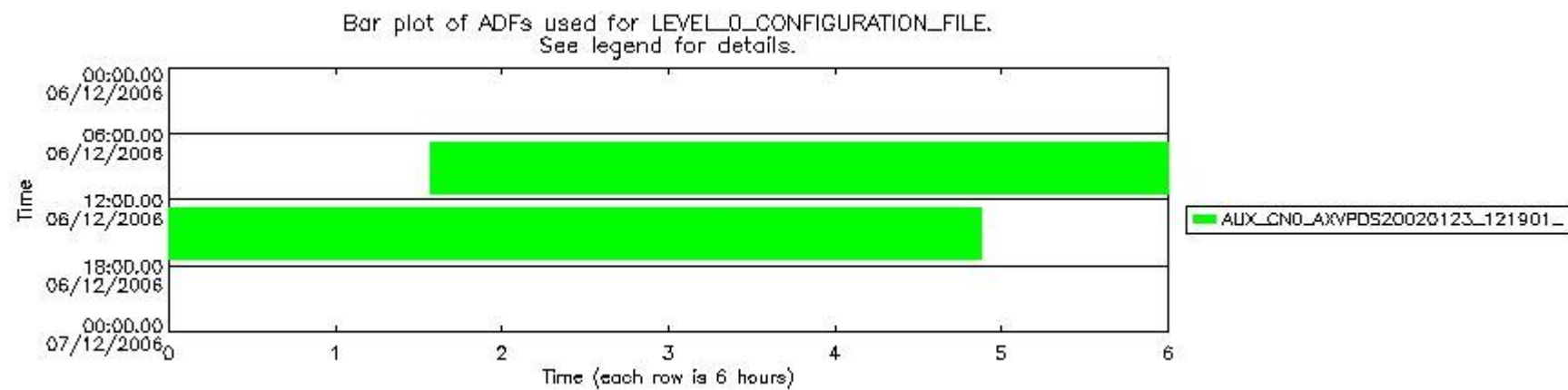
0.4 ADF monitoring

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

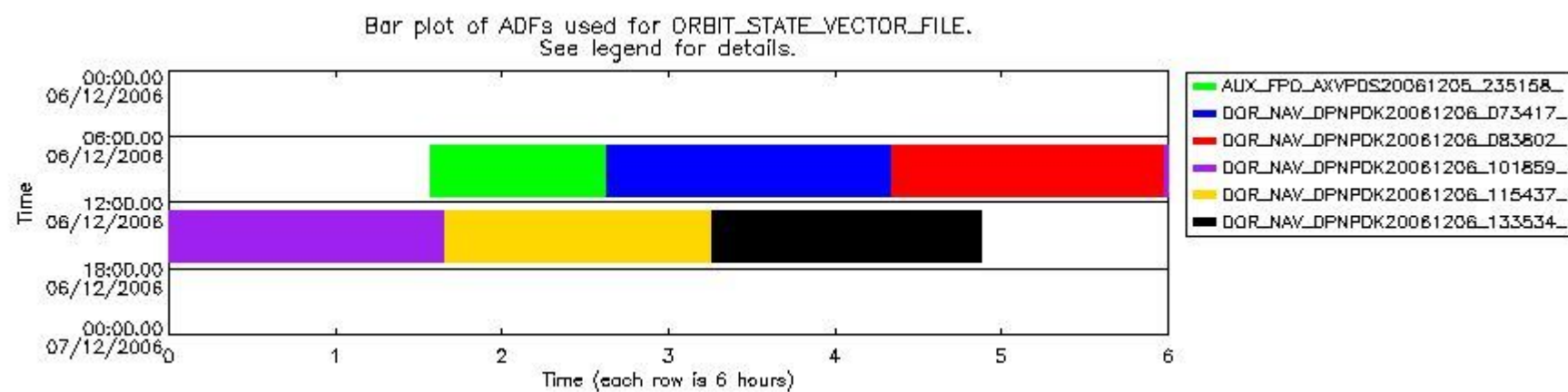
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

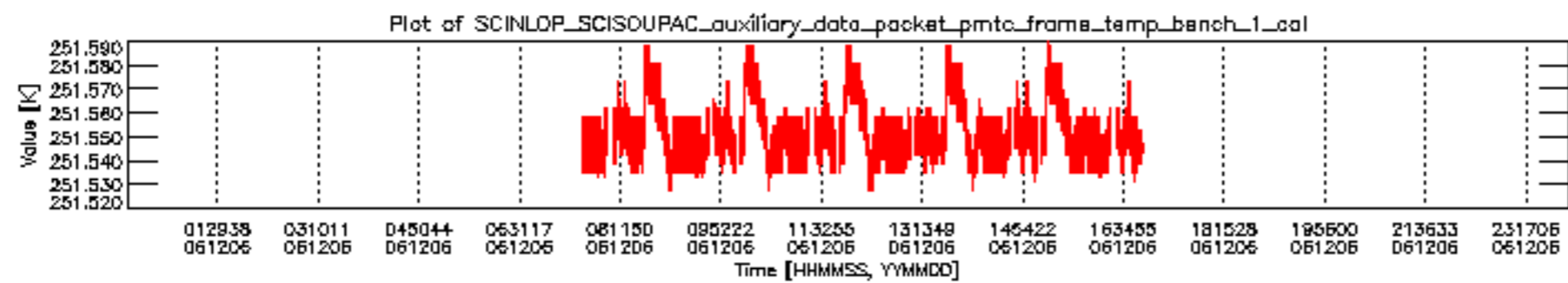
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20061205_235158_20061205_184705_20061215_201318
2	DOR_NAV_OPNPKD20061206_073417_000035062053_00321_24924_1585.N1
3	DOR_NAV_OPNPKD20061206_083802_000057382053_00322_24925_1586.N1
4	DOR_NAV_OPNPKD20061206_101859_000054192053_00323_24926_1587.N1
5	DOR_NAV_OPNPKD20061206_115437_000057382053_00324_24927_1588.N1
6	DOR_NAV_OPNPKD20061206_133534_000057382053_00325_24928_1589.N1

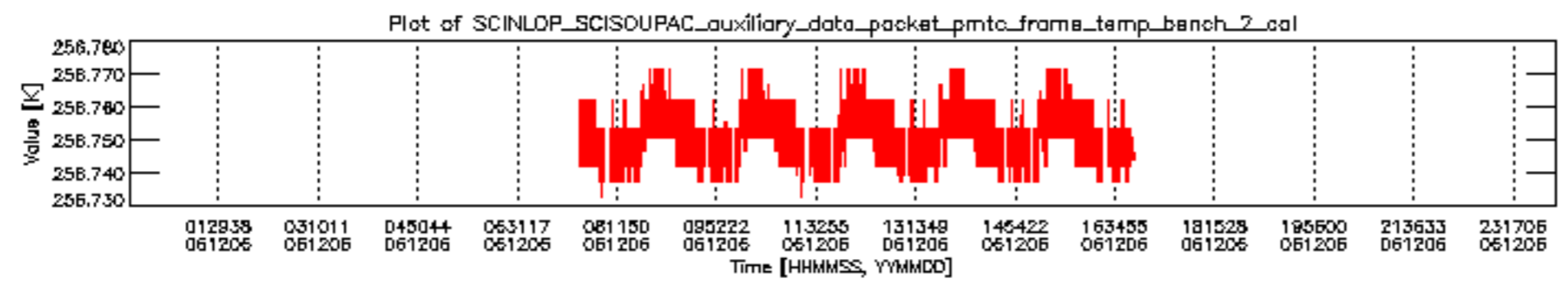


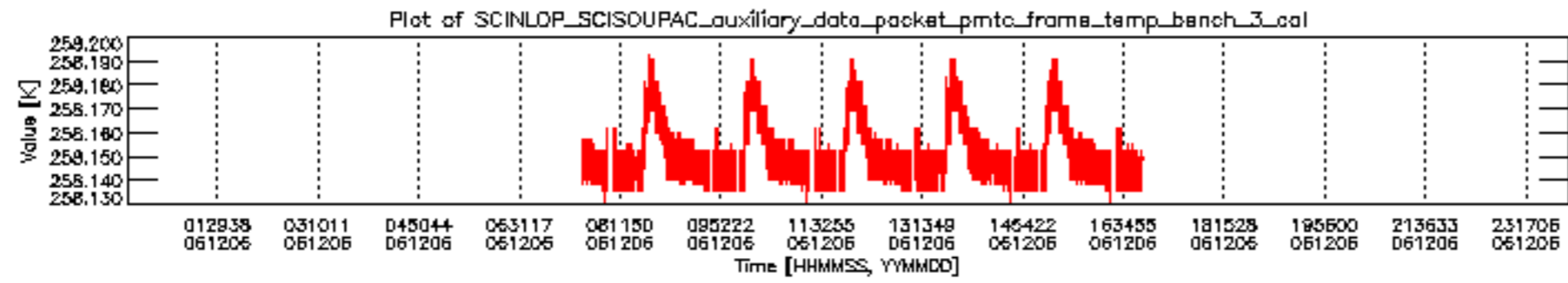
sciamachy_daily_report_level0_PPHS_5_37_N_20061206_7.PNG

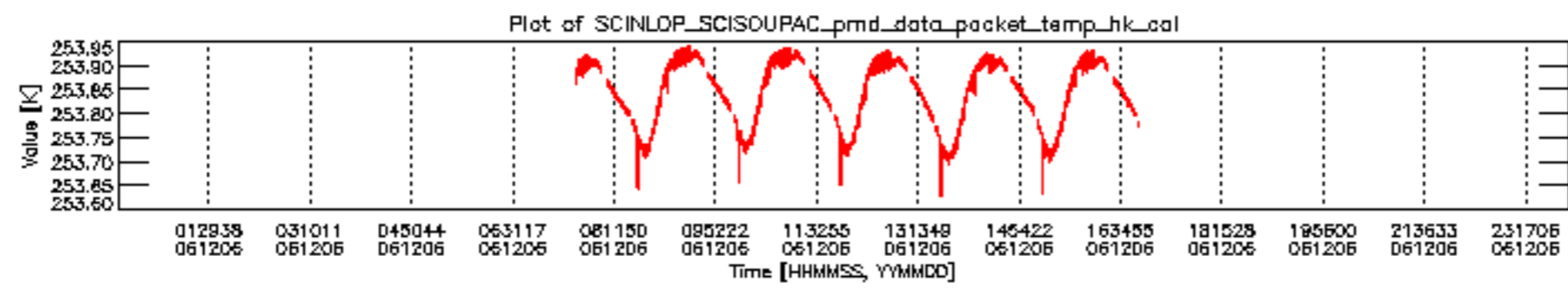


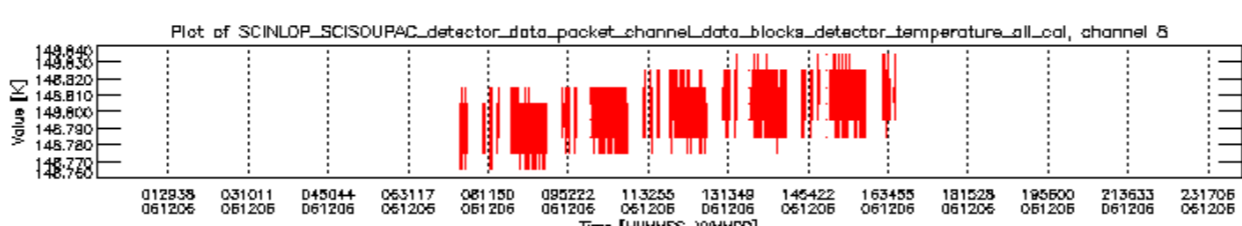
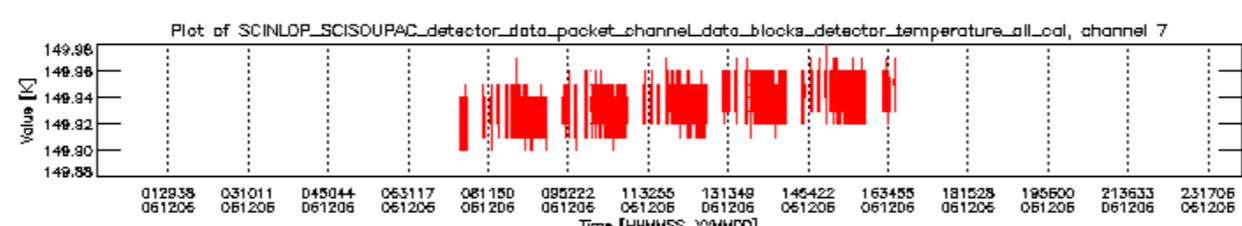
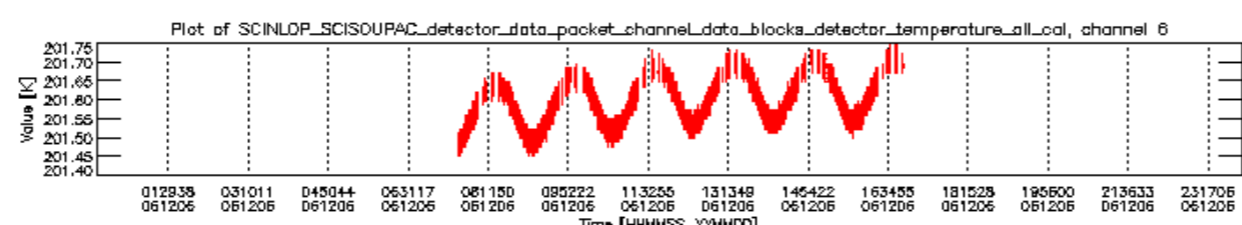
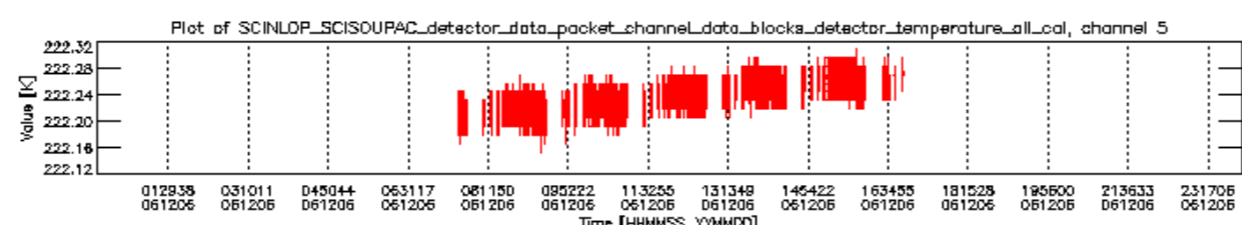
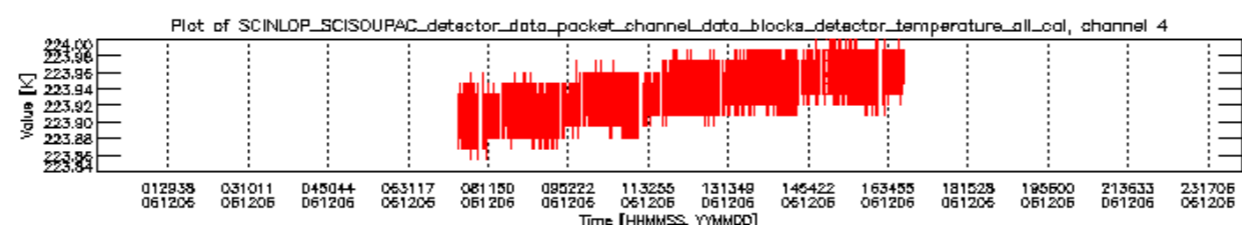
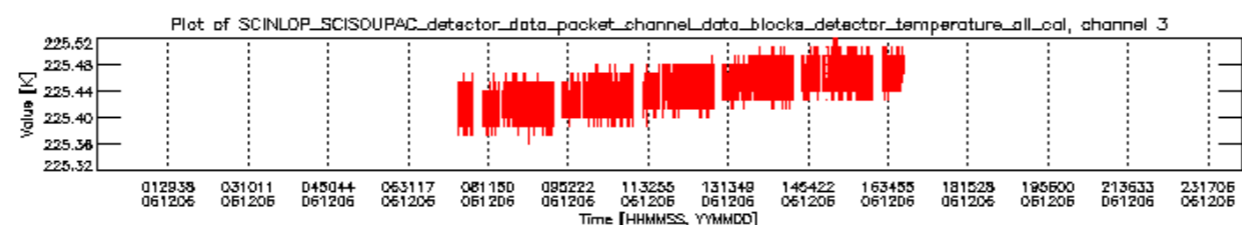
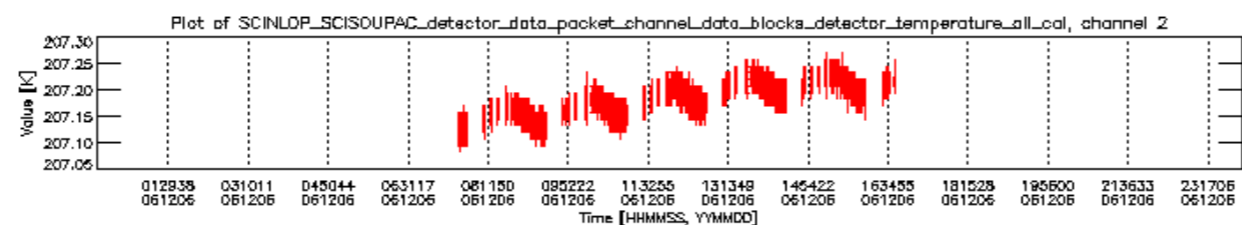
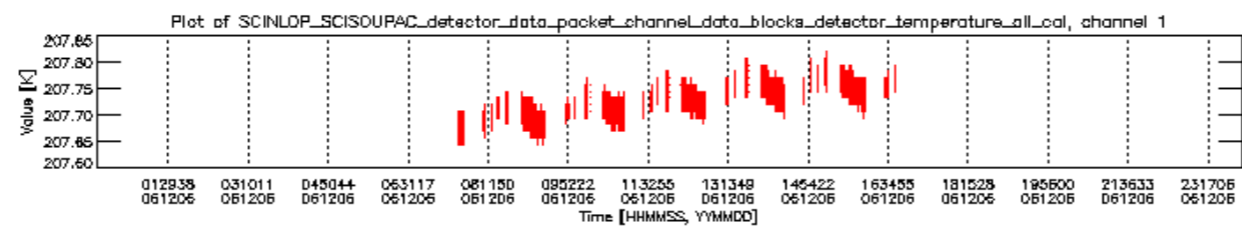
sciamachy_daily_report_level0_PPHS_5_37_N_20061206_8.PNG

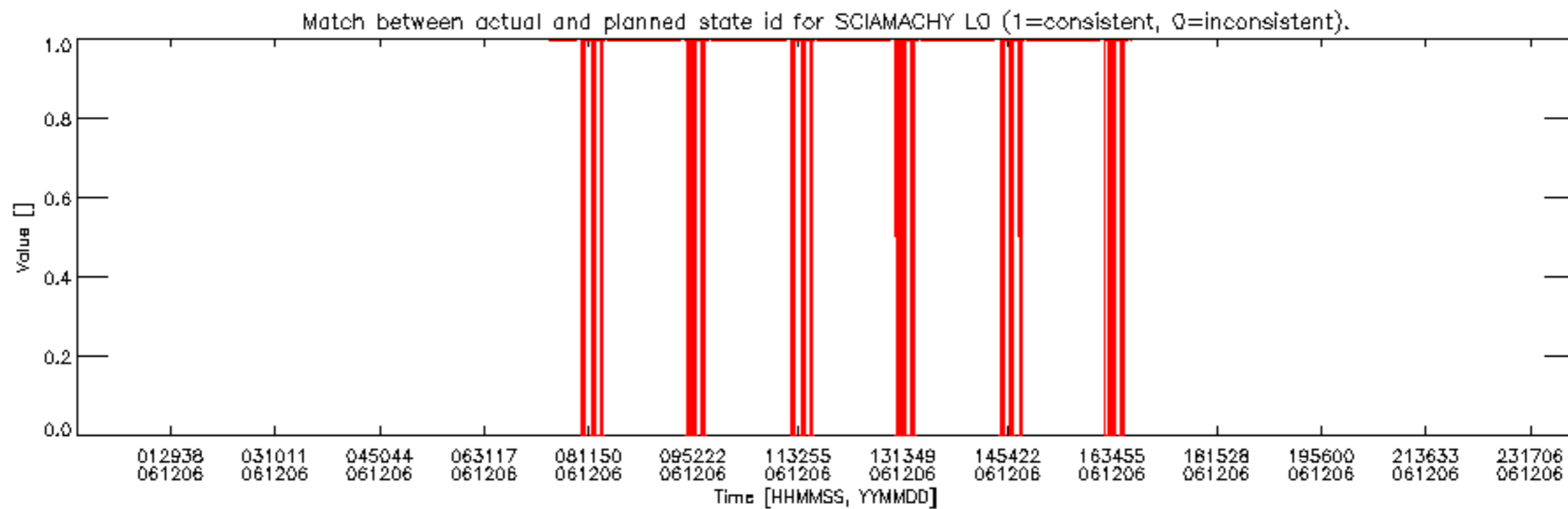
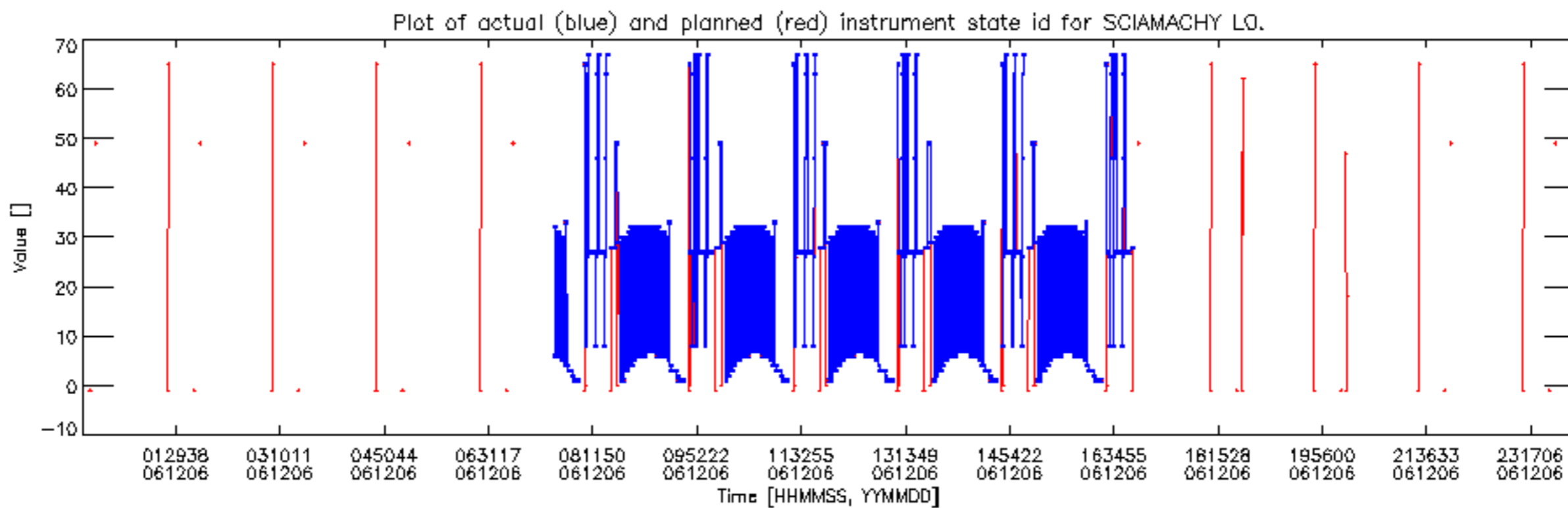




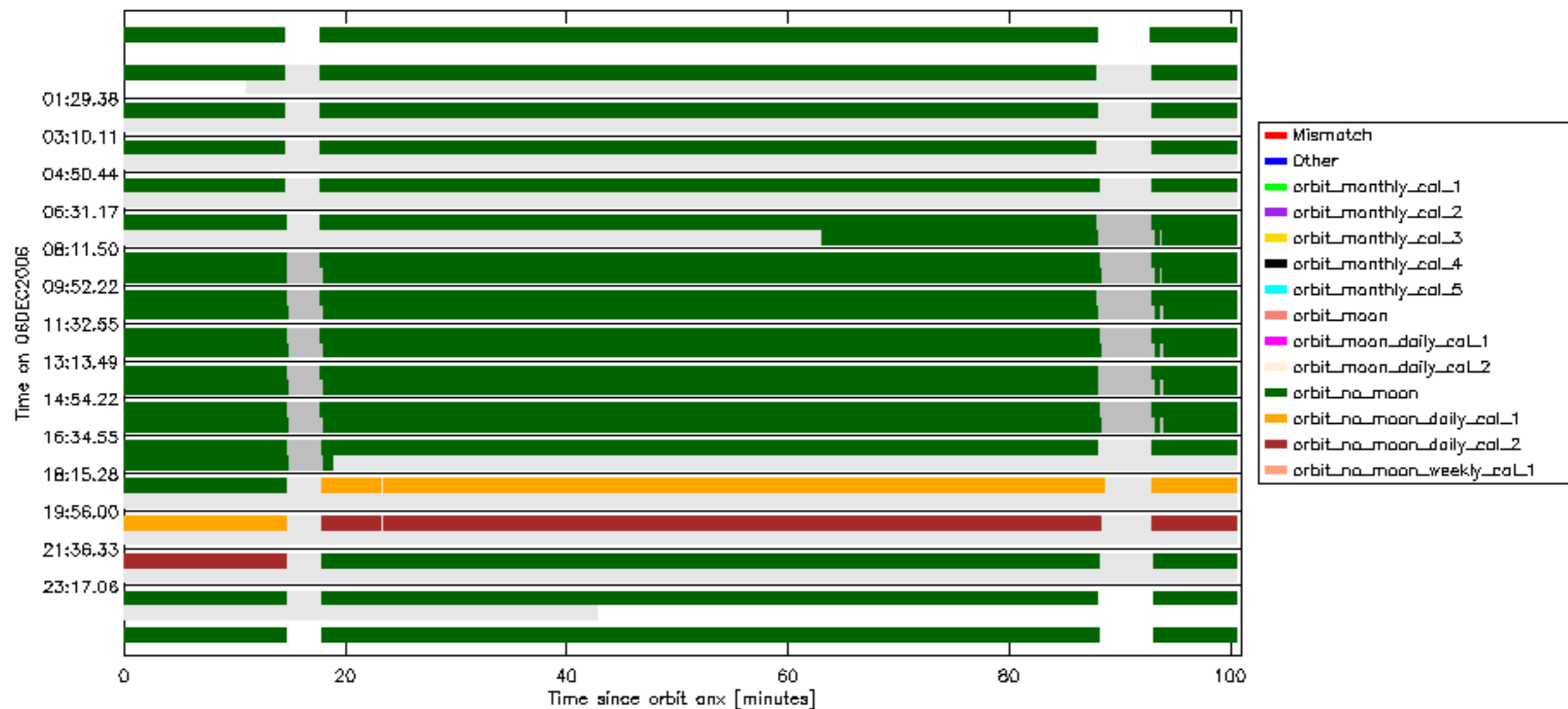


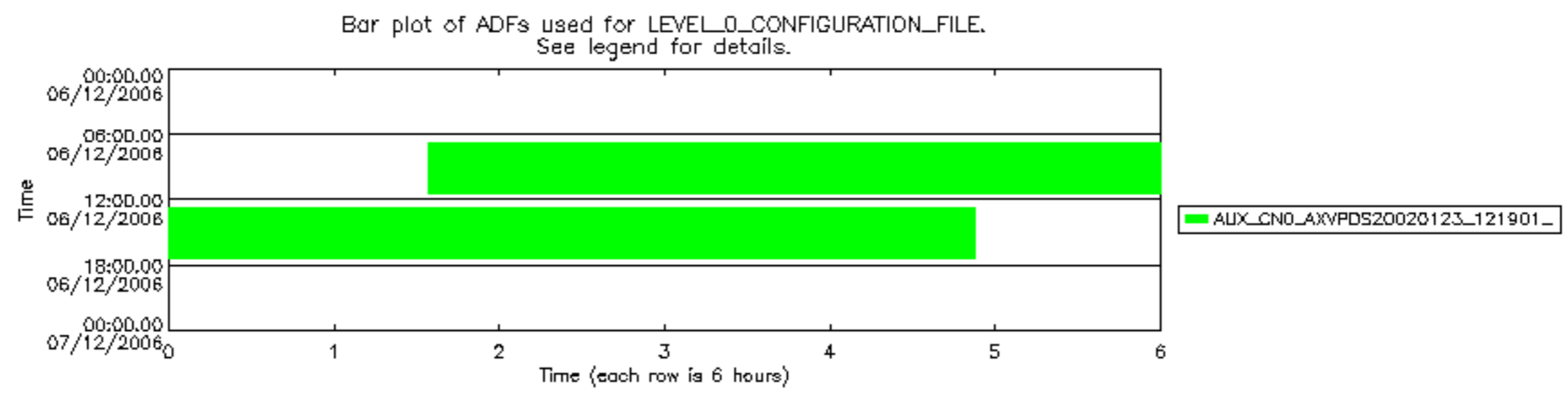






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 06DEC2006.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities 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.

