

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	16NOV2006 04:02:56
Data source version	PFHS/5.37-N
Processing scope for products	12NOV2006 00:00:00 to 13NOV2006 00:00:00
Start time of first product within scope	12NOV2006 06:10:43
Stop time of last product within scope	12NOV2006 19:26:43
Total number of level 0 products	8
Number of level 0 products with errors	8

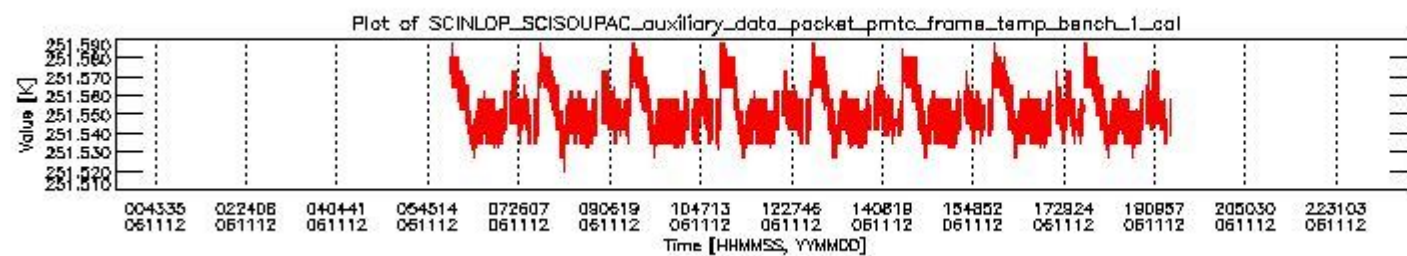
0.1.2 Summary per product

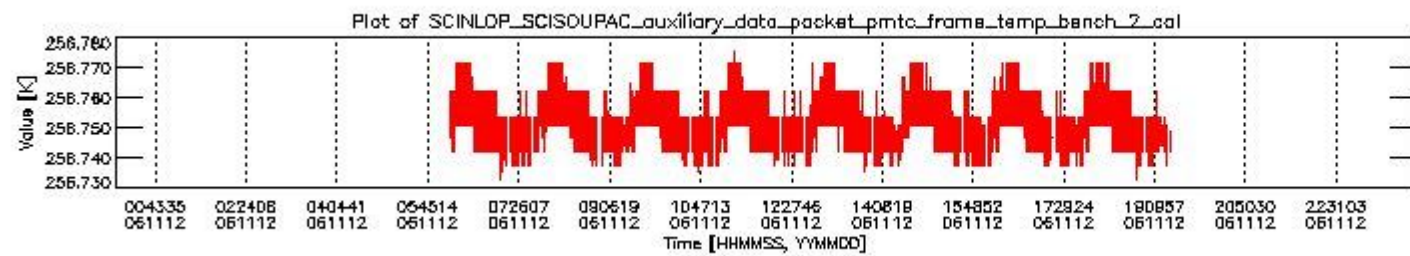
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20061112_061043_000062852052_00478_24580_1327.N1	12NOV2006 06:10:43	12NOV2006 07:55:28	1	0	1	0	0
1	SCI_NL__0PNPDK20061112_075419_000059802052_00479_24581_1328.N1	12NOV2006 07:54:19	12NOV2006 09:34:00	1	0	1	0	0
2	SCI_NL__0PNPDK20061112_093304_000060232052_00480_24582_1329.N1	12NOV2006 09:33:04	12NOV2006 11:13:27	1	0	1	0	0
3	SCI_NL__0PNPDK20061112_111232_000061042052_00481_24583_1330.N1	12NOV2006 11:12:32	12NOV2006 12:54:16	1	0	1	0	0
4	SCI_NL__0PNPDK20061112_125308_000059242052_00482_24584_1331.N1	12NOV2006 12:53:08	12NOV2006 14:31:52	1	0	1	0	0
5	SCI_NL__0PNPDK20061112_143056_000058982052_00483_24585_1332.N1	12NOV2006 14:30:56	12NOV2006 16:09:15	1	0	1	0	0
6	SCI_NL__0PNPDK20061112_160915_000059232052_00484_24586_1333.N1	12NOV2006 16:09:15	12NOV2006 17:47:58	1	0	1	0	0
7	SCI_NL__0PNPDK20061112_174703_000059802052_00485_24587_1334.N1	12NOV2006 17:47:03	12NOV2006 19:26:43	1	0	1	0	0

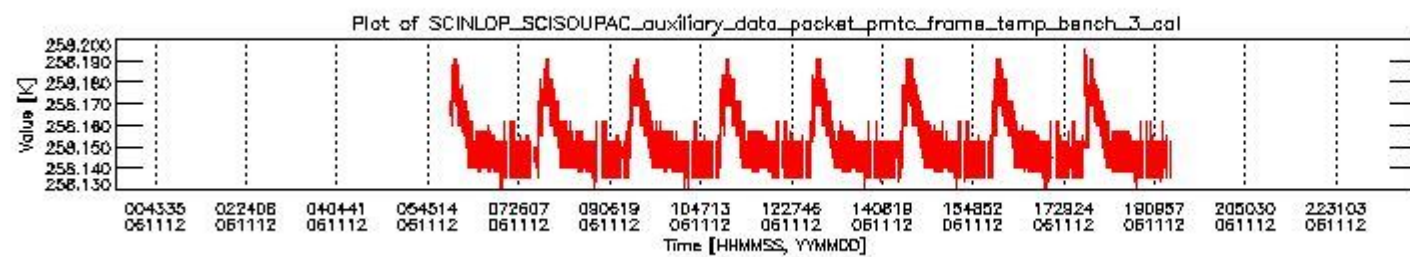
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

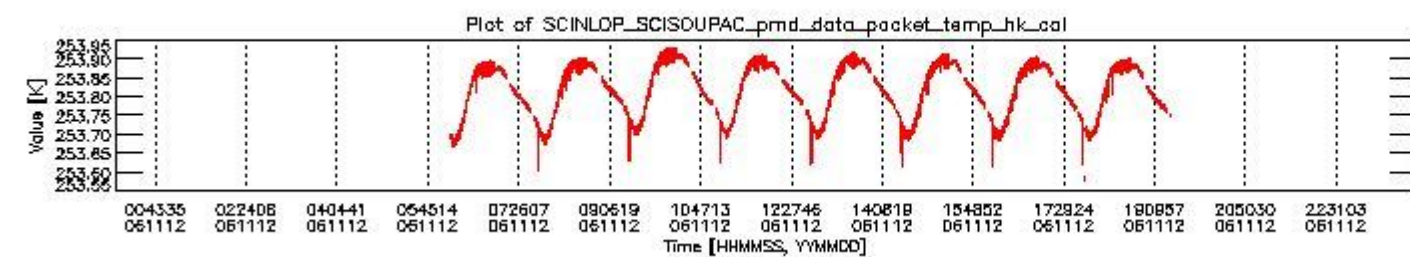




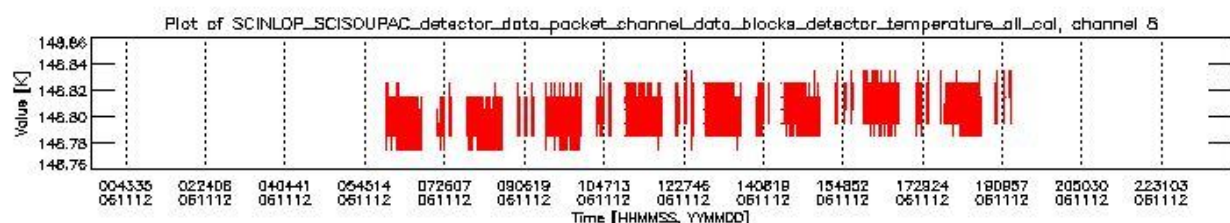
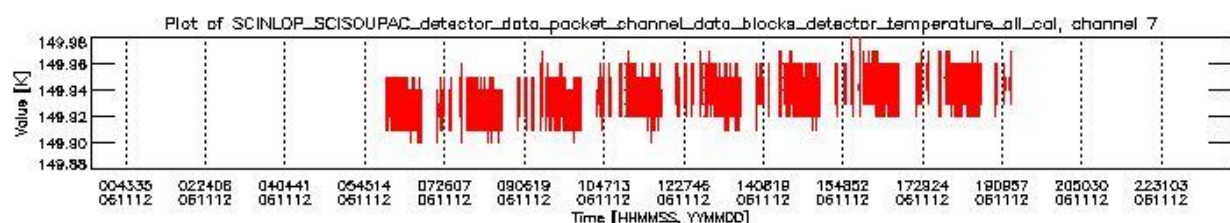
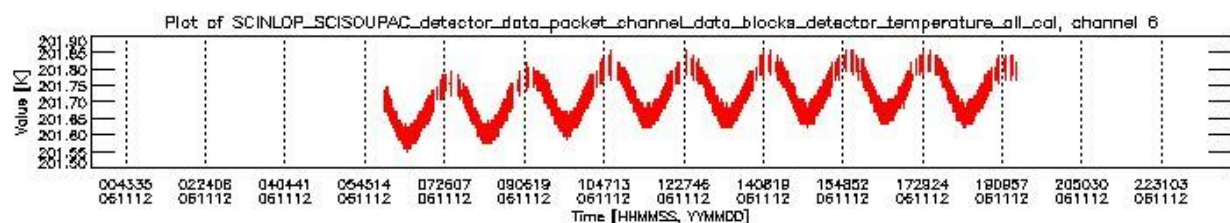
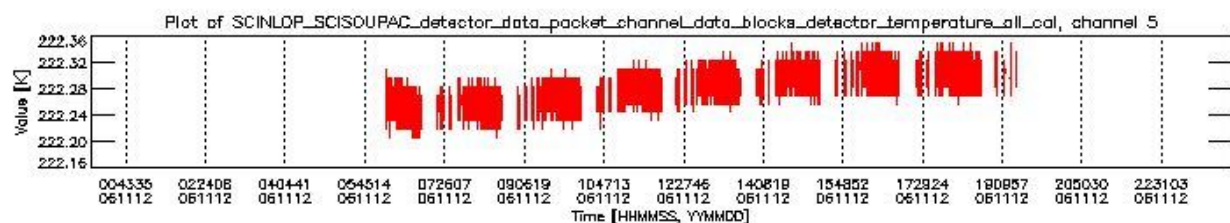
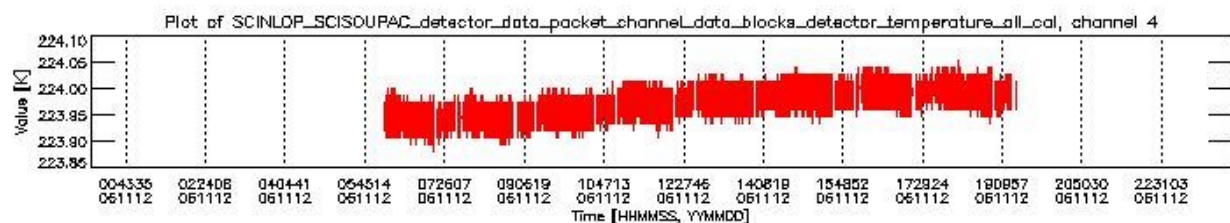
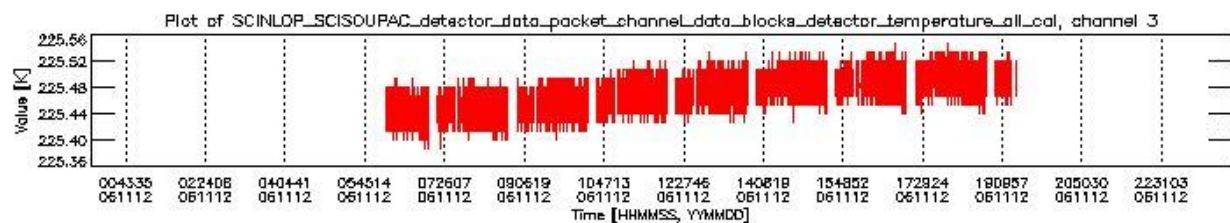
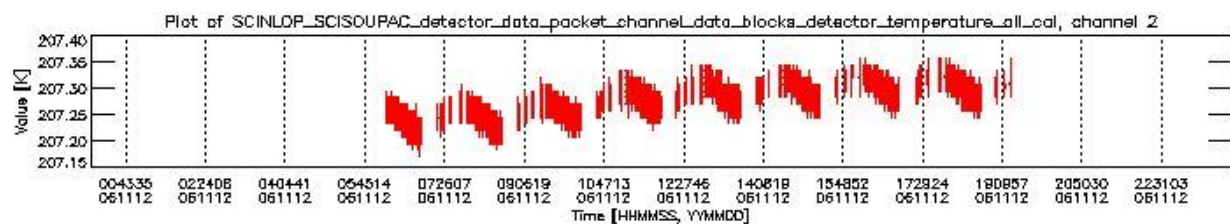
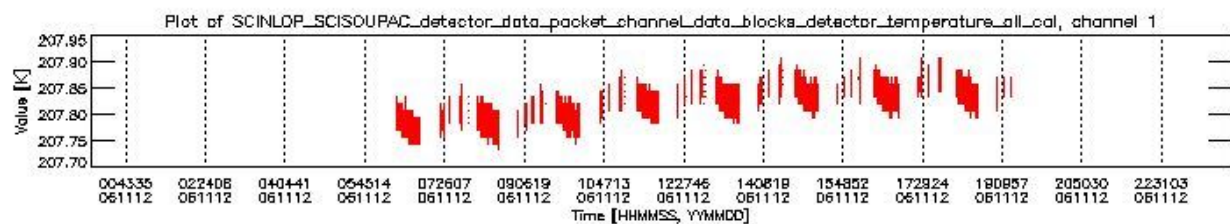
sciamachy_daily_report_level0_PFHS_5_37_N_20061112_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061112_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061112_3.PNG

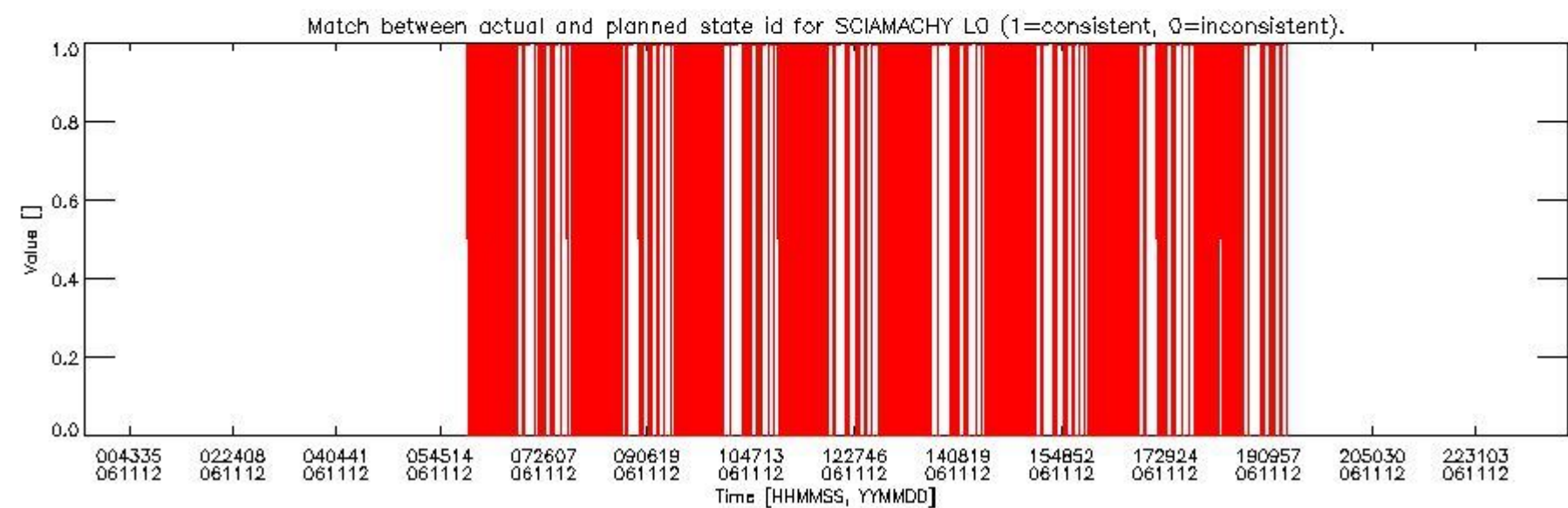
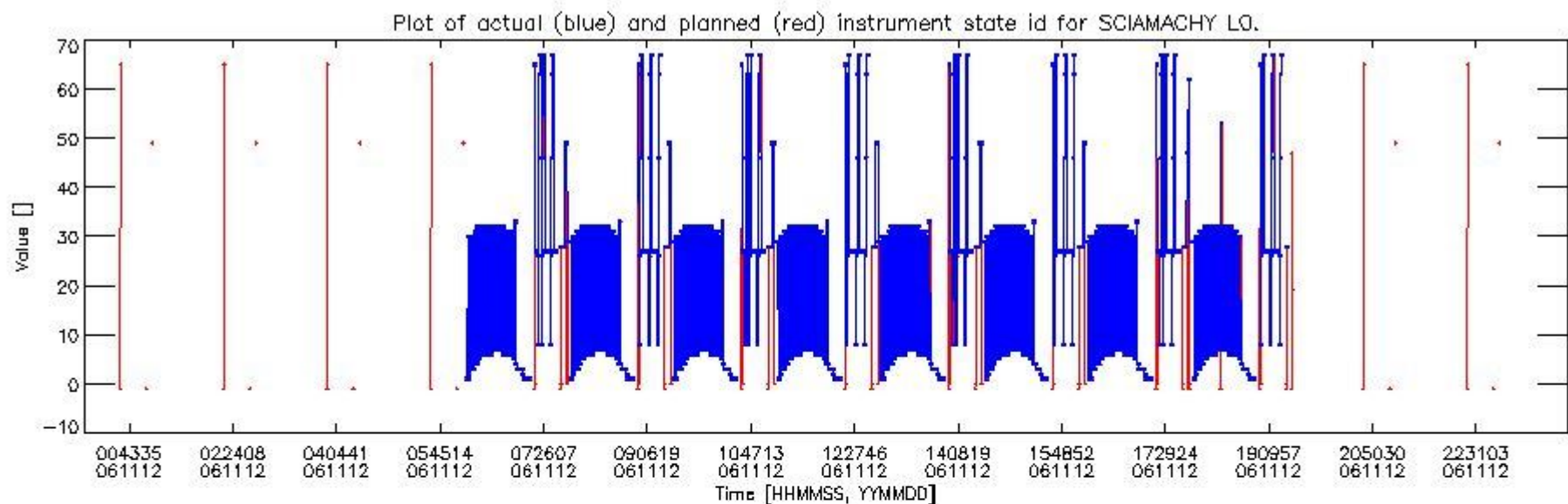


0.3 State monitoring

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: **744**

#	Actual time	Actual value	Planned time	Planned value
0	12NOV2006 06:11:51.913016	30	12NOV2006 06:11:51.913016	1
1	12NOV2006 06:12:47.784087	1	12NOV2006 06:12:47.784087	30
2	12NOV2006 06:13:56.342677	30	12NOV2006 06:13:56.342677	1
3	12NOV2006 06:14:52.217691	3	12NOV2006 06:14:52.217691	30
4	12NOV2006 06:16:00.772379	30	12NOV2006 06:16:00.772379	3
5	12NOV2006 06:16:56.643450	3	12NOV2006 06:16:56.643450	30
6	12NOV2006 06:18:05.202040	31	12NOV2006 06:18:05.202040	3
7	12NOV2006 06:19:01.073151	4	12NOV2006 06:19:01.073151	31
8	12NOV2006 06:20:09.631741	32	12NOV2006 06:20:09.631741	4
9	12NOV2006 06:21:05.506715	4	12NOV2006 06:21:05.506715	32
10	12NOV2006 06:22:14.061402	32	12NOV2006 06:22:14.061402	4
11	12NOV2006 06:23:09.936416	5	12NOV2006 06:23:09.936416	32
12	12NOV2006 06:24:18.495006	32	12NOV2006 06:24:18.495006	5
13	12NOV2006 06:25:14.366077	6	12NOV2006 06:25:14.366077	32
14	12NOV2006 06:26:22.920764	32	12NOV2006 06:26:22.920764	6
15	12NOV2006 06:27:18.791876	6	12NOV2006 06:27:18.791876	32
16	12NOV2006 06:28:27.354368	32	12NOV2006 06:28:27.354368	6
17	12NOV2006 06:29:23.221537	6	12NOV2006 06:29:23.221537	32
18	12NOV2006 06:30:31.784029	32	12NOV2006 06:30:31.784029	6
19	12NOV2006 06:31:27.655140	6	12NOV2006 06:31:27.655140	32

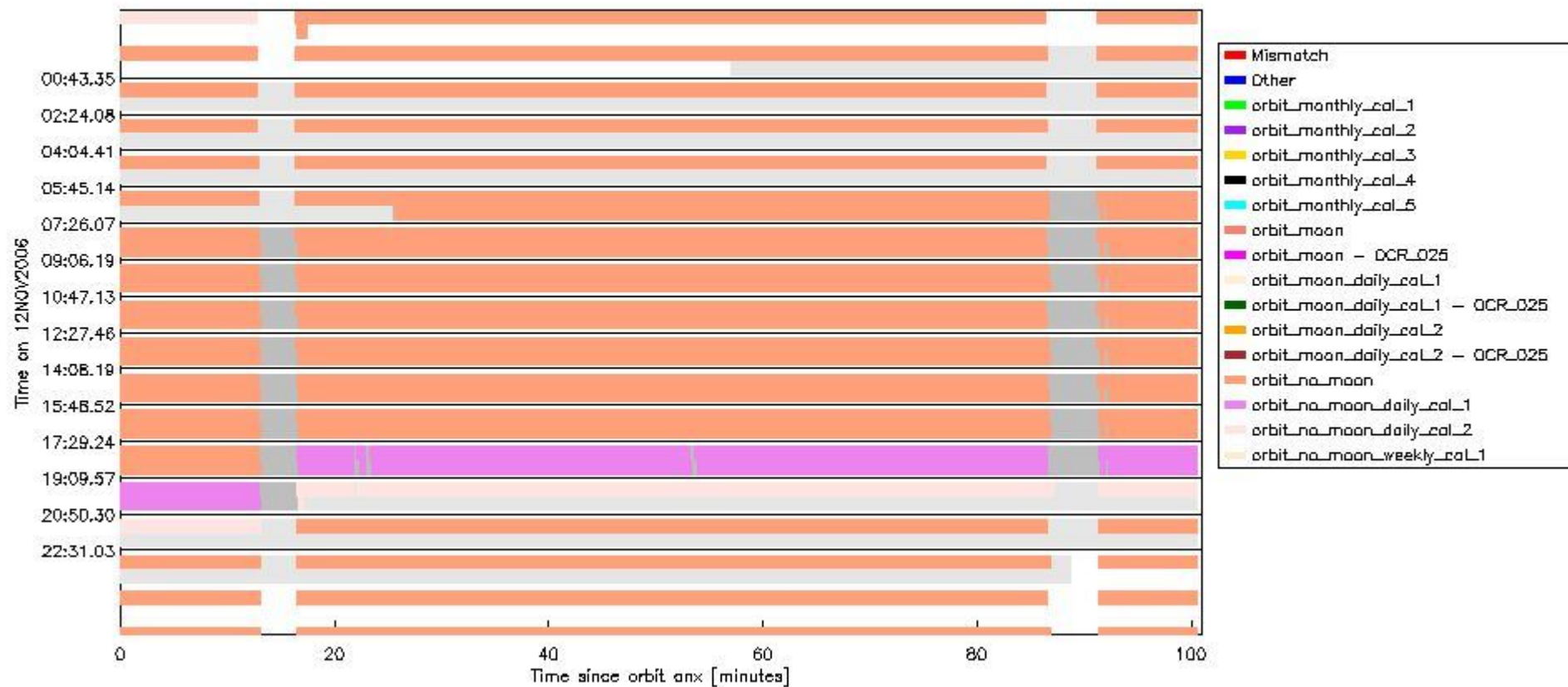


sciamachy_daily_report_level0_PFHS_5_37_N_20061112_5.PNG

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 12NOV2006.
 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_20061112_6.PNG

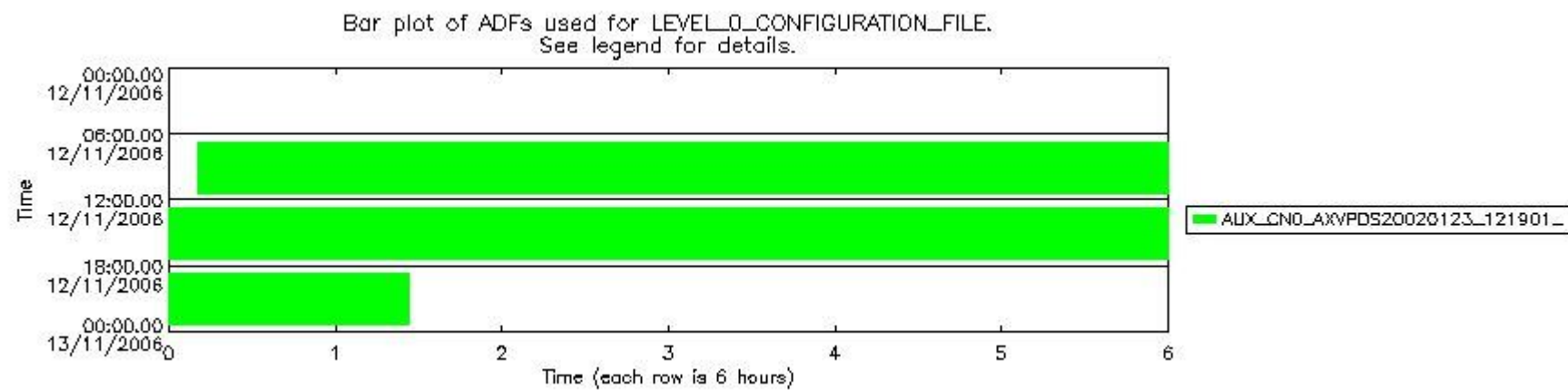
0.4 ADF monitoring

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

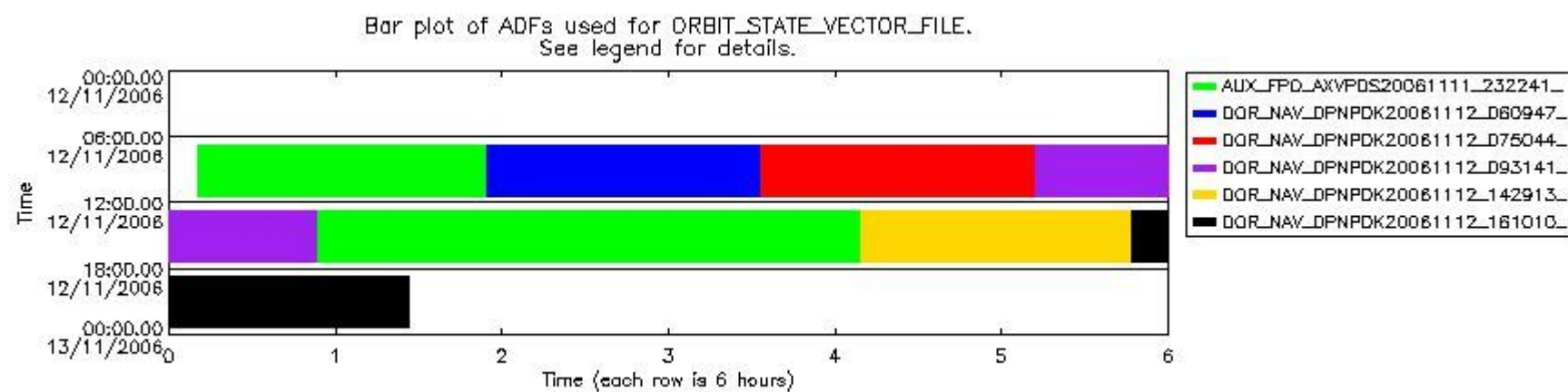
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

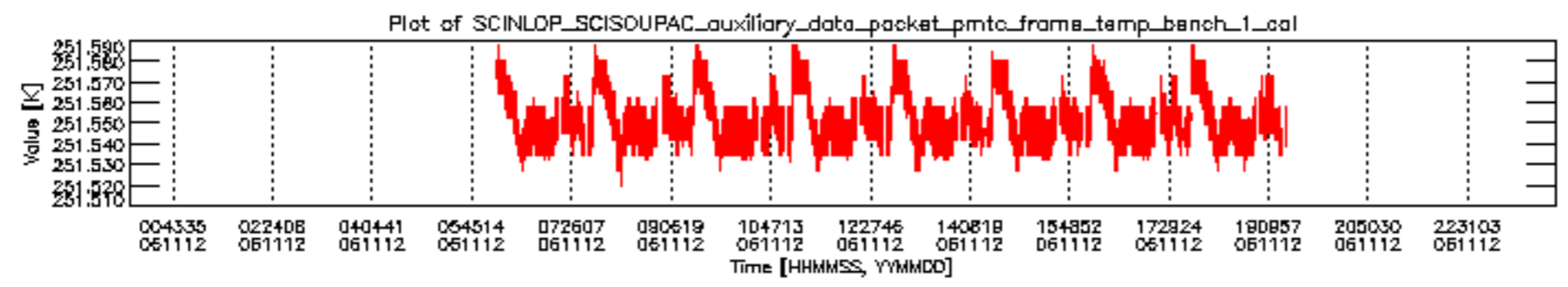
Number	ADF
	CNO (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20061111_232241_20061111_194141_20061121_210755
2	DOR_NAV_OPNPDK20061112_060947_000057382052_00478_24580_1380.N1
3	DOR_NAV_OPNPDK20061112_075044_000057382052_00479_24581_1381.N1
4	DOR_NAV_OPNPDK20061112_093141_000057382052_00480_24582_1382.N1
5	DOR_NAV_OPNPDK20061112_142913_000057382052_00483_24585_1385.N1
6	DOR_NAV_OPNPDK20061112_161010_000054192052_00484_24586_1386.N1

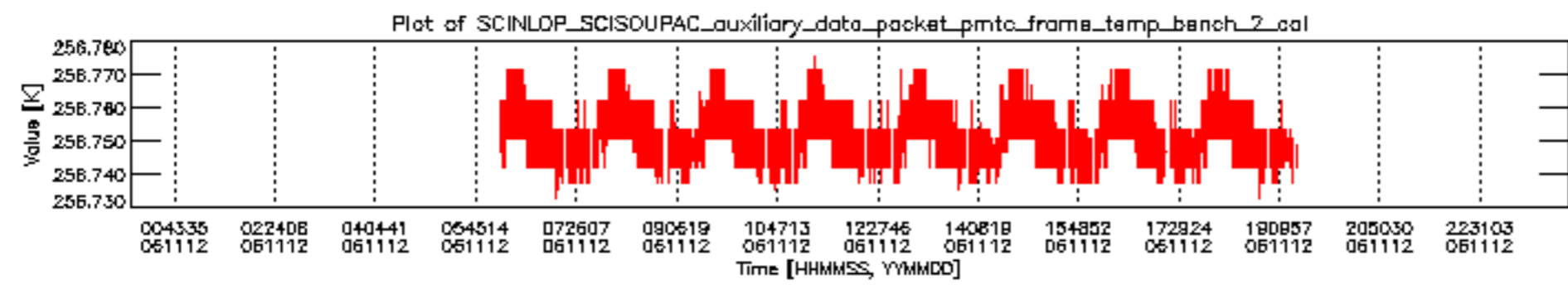


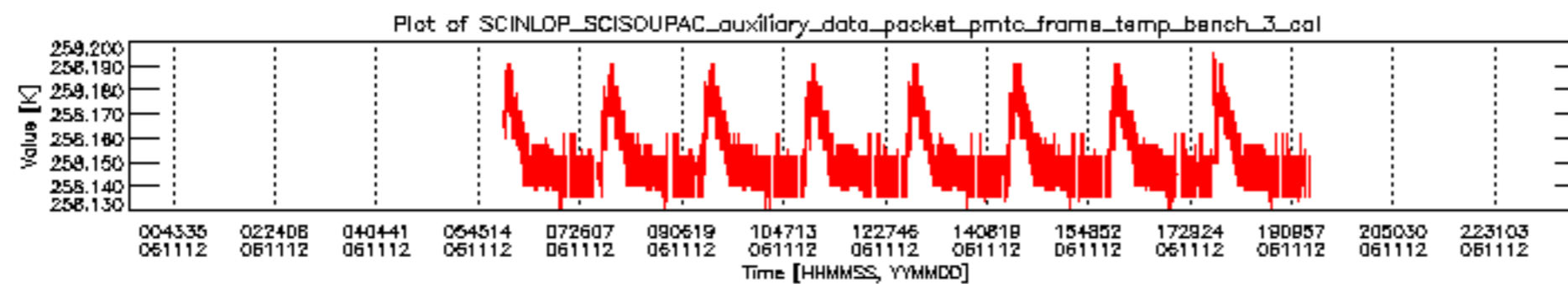
sciamachy_daily_report_level0_PFHS_5_37_N_20061112_7.PNG

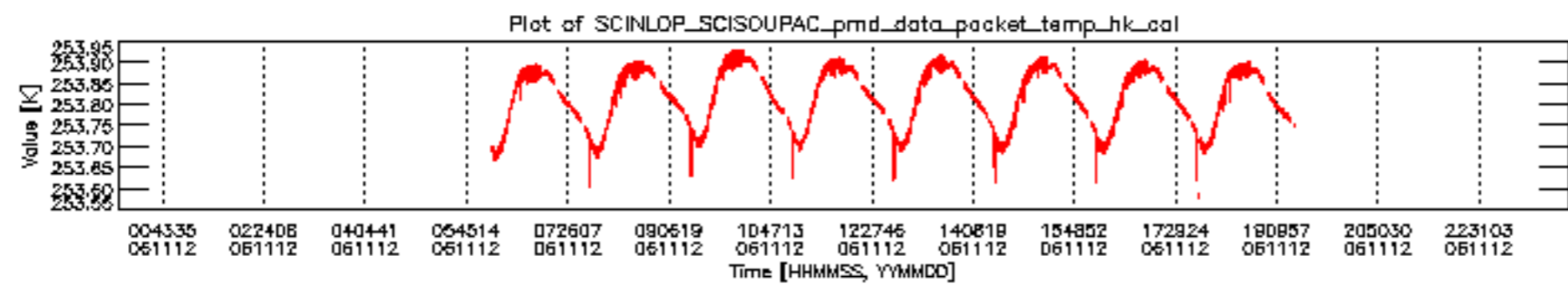


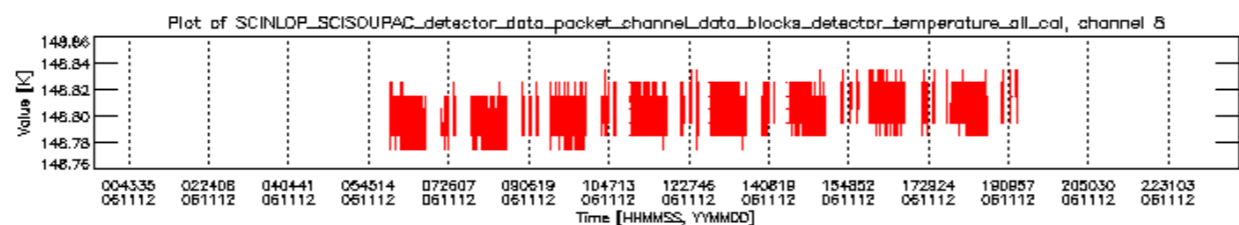
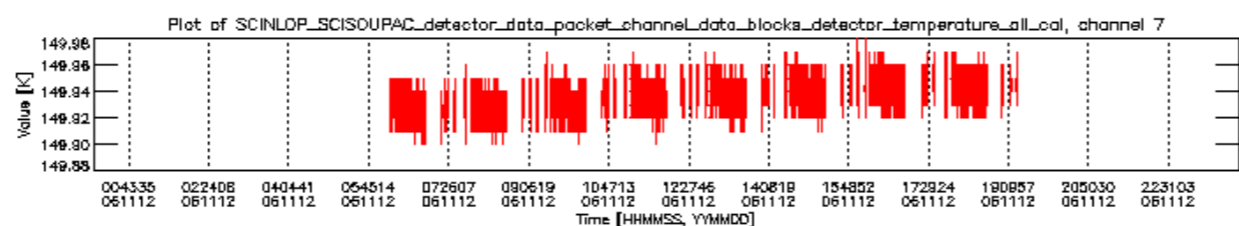
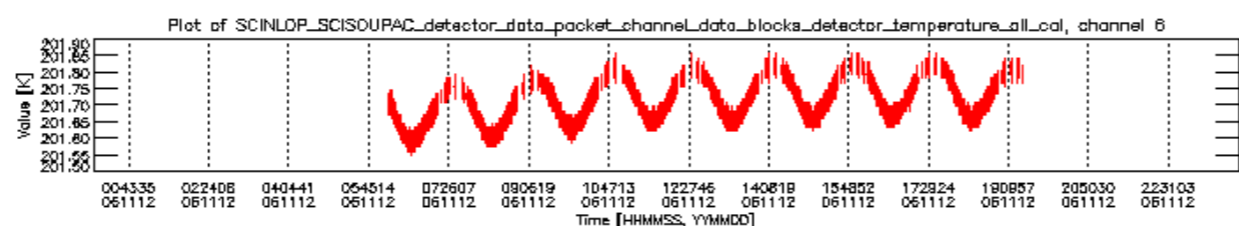
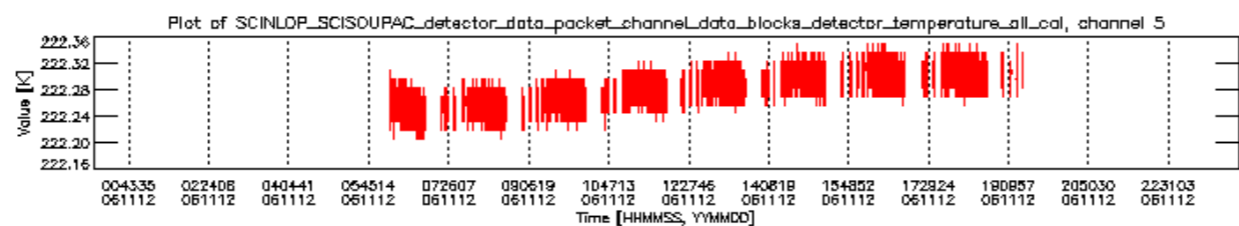
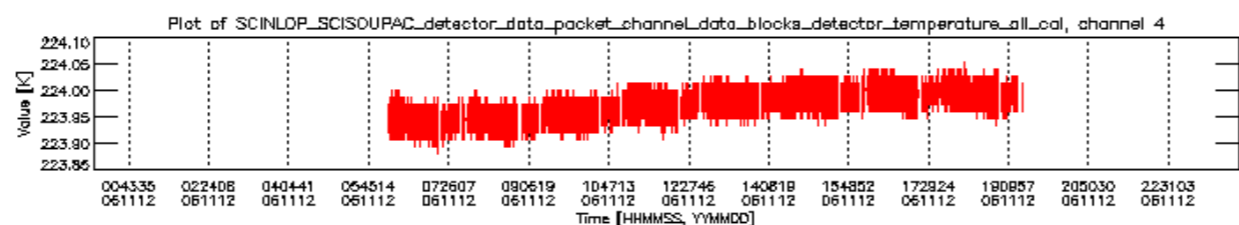
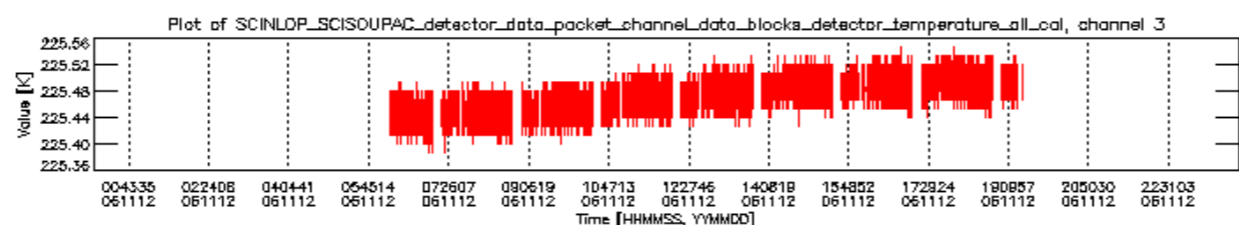
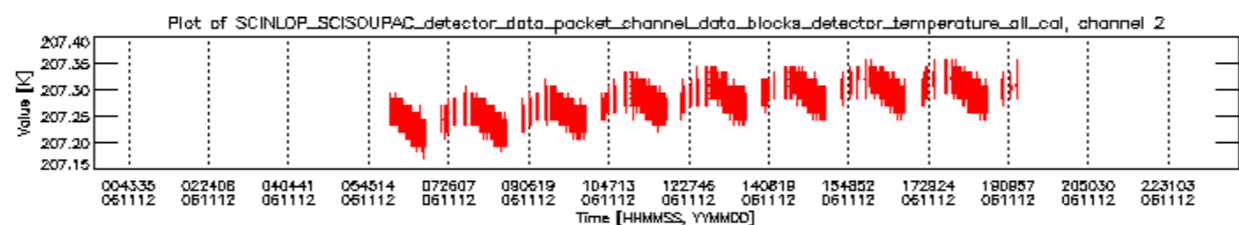
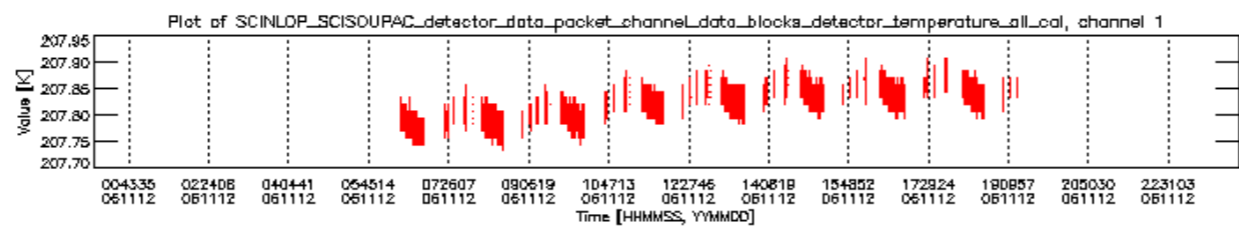
sciamachy_daily_report_level0_PFHS_5_37_N_20061112_8.PNG

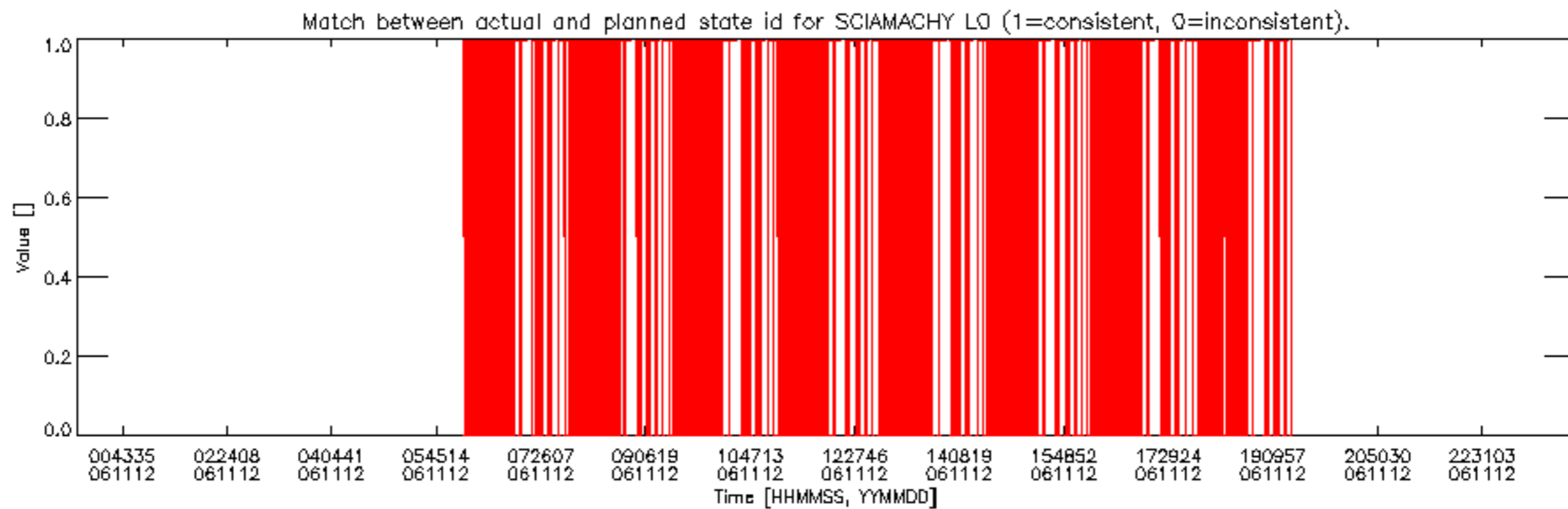
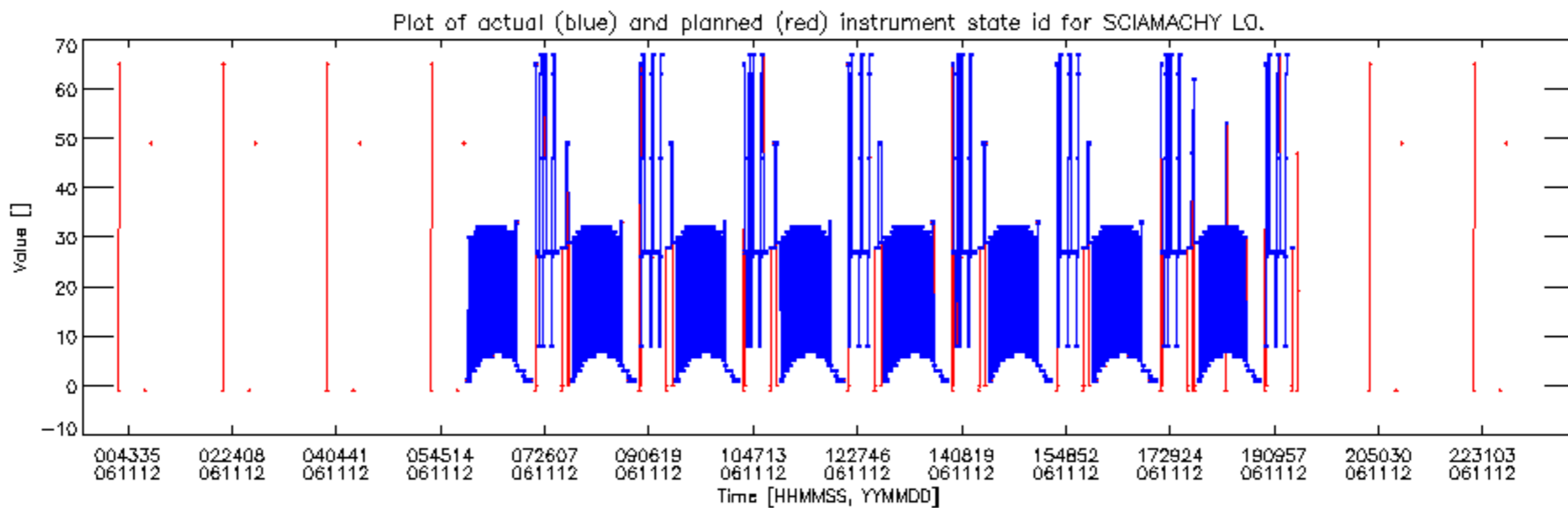




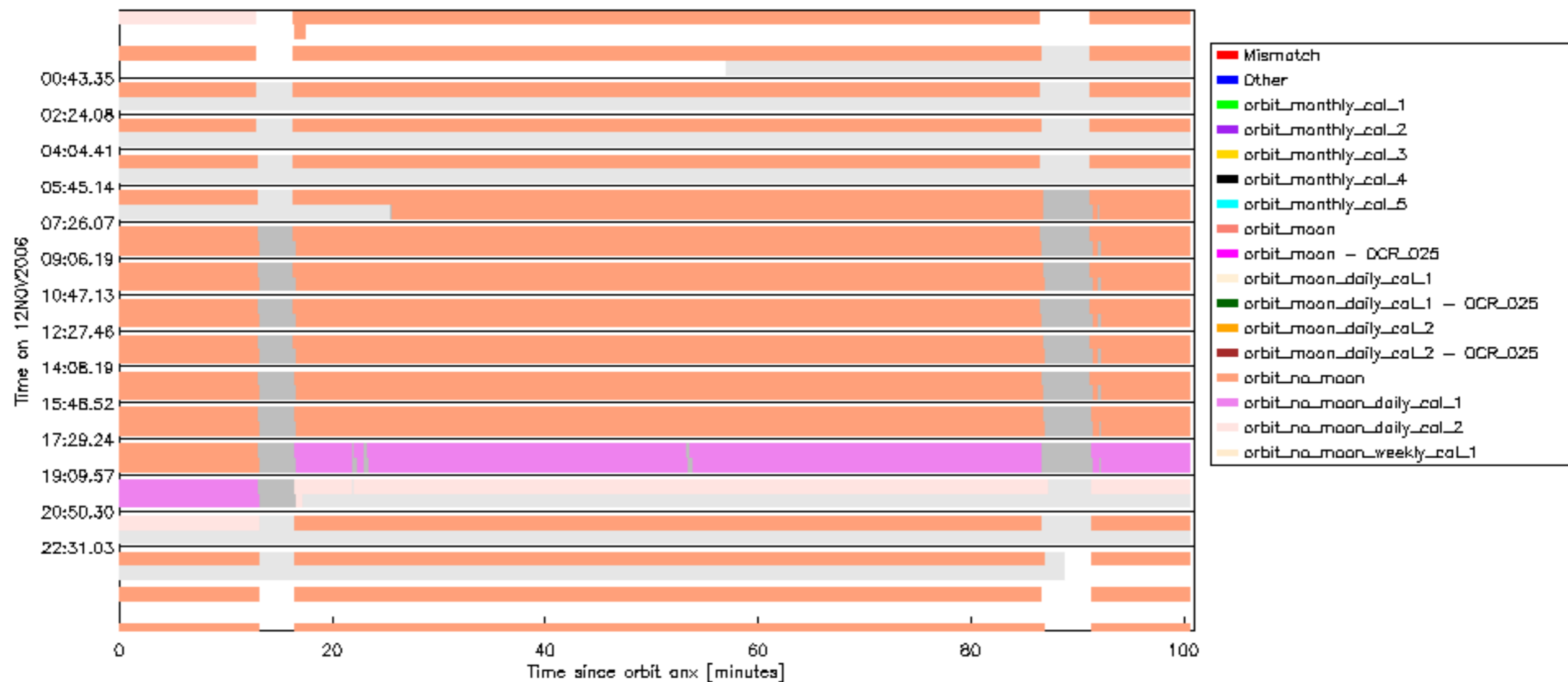


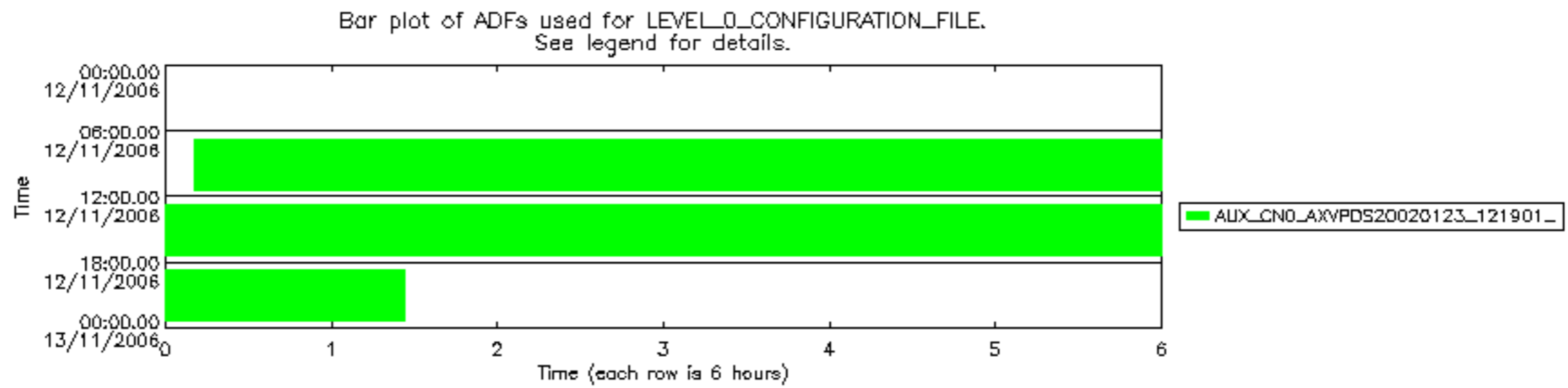






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 12NOV2006.
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 The remaining colours indicate planned activities and/or special measurements.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

