

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	15NOV2006 05:19:46
Data source version	PFHS/5.37-N
Processing scope for products	11NOV2006 00:00:00 to 12NOV2006 00:00:00
Start time of first product within scope	11NOV2006 05:00:43
Stop time of last product within scope	11NOV2006 21:38:52
Total number of level 0 products	10
Number of level 0 products with errors	10

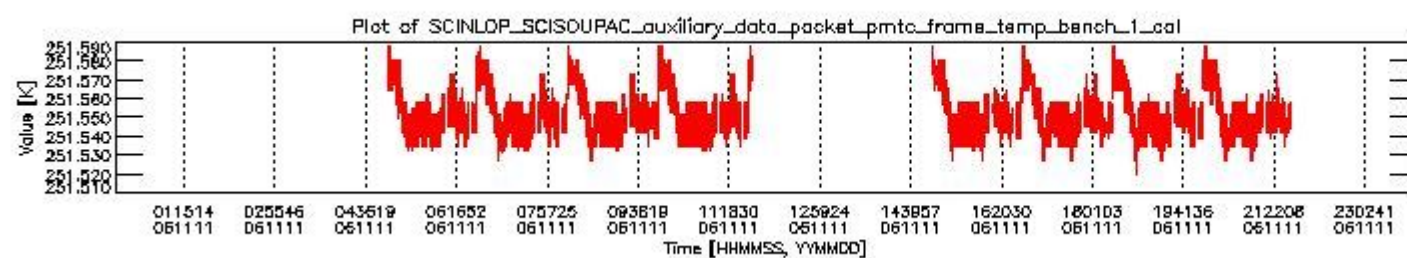
0.1.2 Summary per product

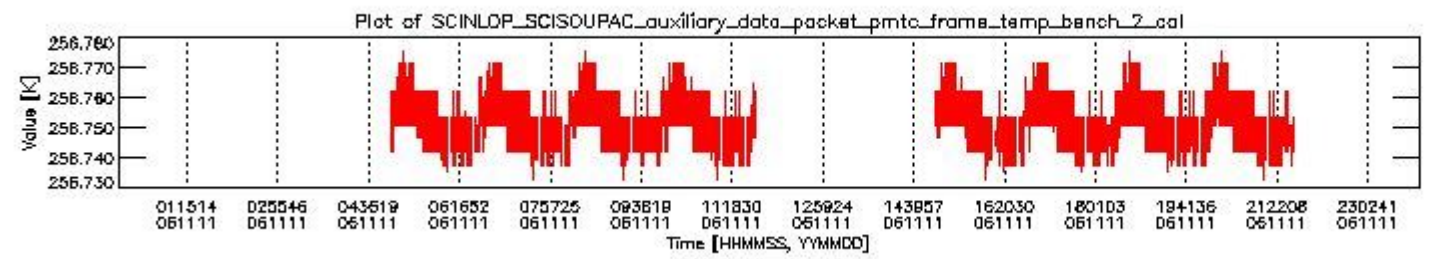
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20061111_050043_000064652052_00463_24565_1314.N1	11NOV2006 05:00:43	11NOV2006 06:48:28	1	0	1	0	0
1	SCI_NL__0PNPDK20061111_064733_000059672052_00464_24566_1315.N1	11NOV2006 06:47:33	11NOV2006 08:27:00	1	0	1	0	0
2	SCI_NL__0PNPDK20061111_082456_000061042052_00465_24567_1316.N1	11NOV2006 08:24:56	11NOV2006 10:06:41	1	0	1	0	0
3	SCI_NL__0PNPDK20061111_100532_000059112052_00466_24568_1317.N1	11NOV2006 10:05:32	11NOV2006 11:44:04	1	0	1	0	0
4	SCI_NL__0PNPDK20061111_114308_000060362052_00467_24569_1318.N1	11NOV2006 11:43:08	11NOV2006 13:23:44	1	0	1	0	0
5	SCI_NL__0PNPDK20061111_132248_000060922052_00468_24570_1319.N1	11NOV2006 13:22:48	11NOV2006 15:04:20	1	0	1	0	0
6	SCI_NL__0PNPDK20061111_150325_000058422052_00469_24571_1320.N1	11NOV2006 15:03:25	11NOV2006 16:40:47	1	0	1	0	0
7	SCI_NL__0PNPDK20061111_164047_000058672052_00470_24572_1321.N1	11NOV2006 16:40:47	11NOV2006 18:18:35	1	0	1	0	0
8	SCI_NL__0PNPDK20061111_181739_000057342052_00471_24573_1322.N1	11NOV2006 18:17:39	11NOV2006 19:53:13	1	0	1	0	0
9	SCI_NL__0PNPDK20061111_195815_000060362052_00472_24574_1323.N1	11NOV2006 19:58:15	11NOV2006 21:38:52	1	0	1	0	0

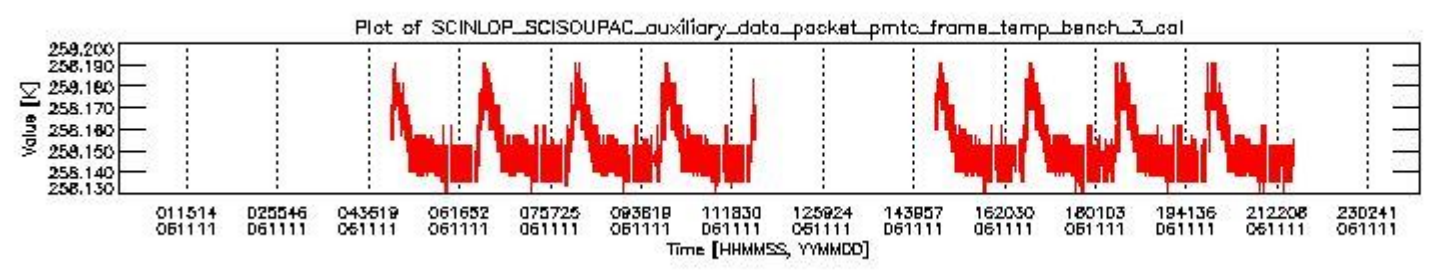
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

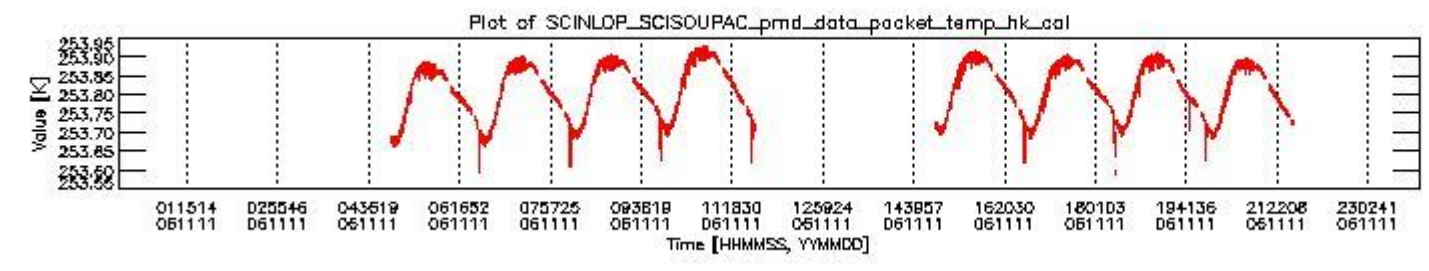




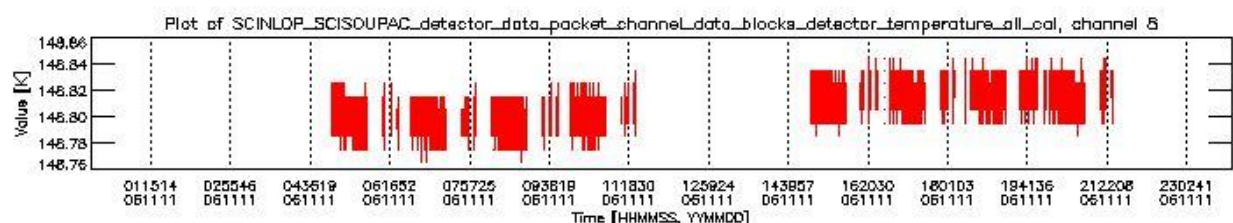
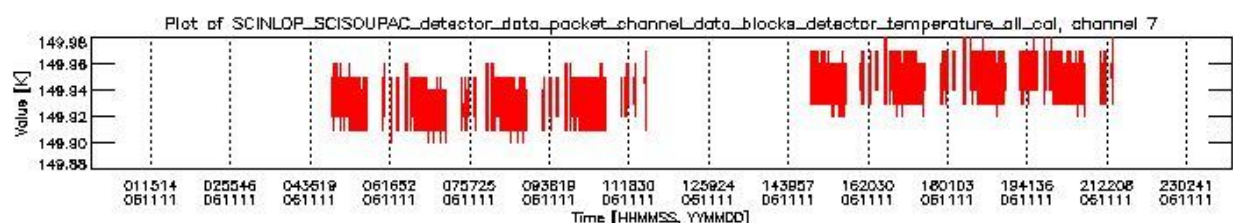
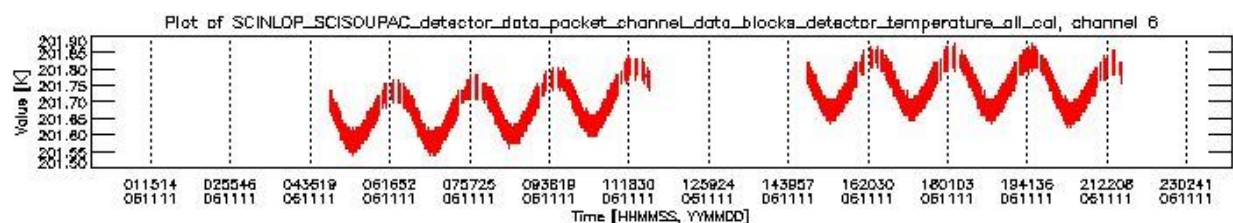
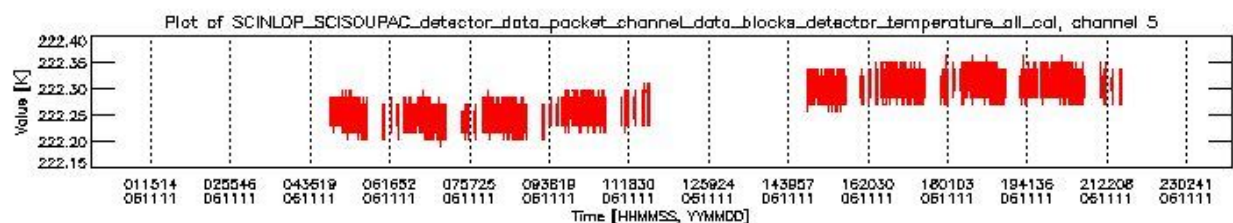
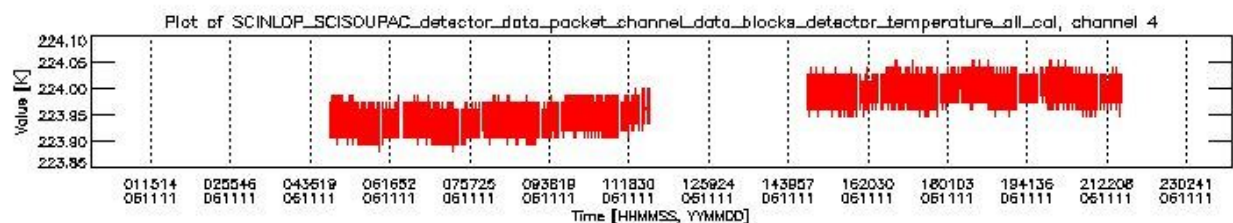
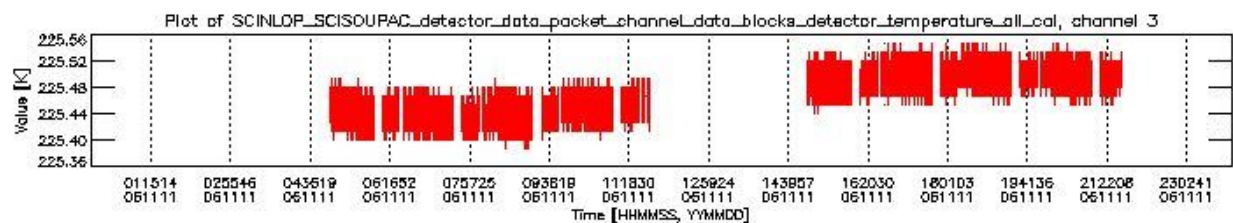
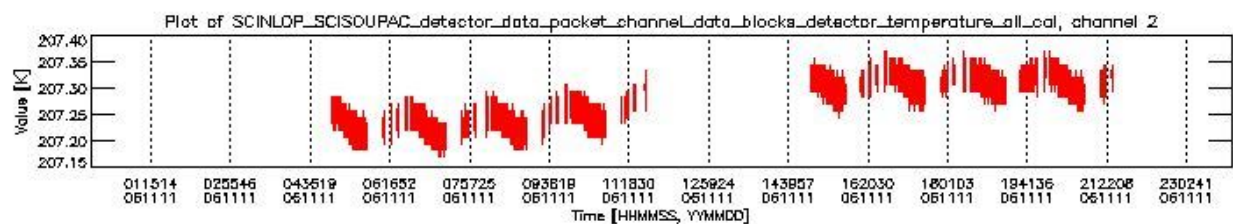
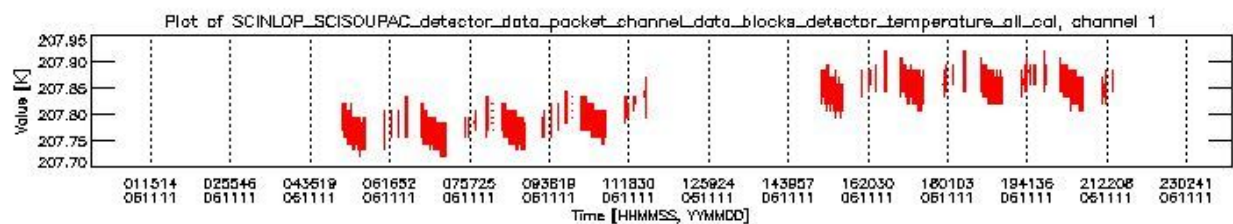
sciamachy_daily_report_level0_PFHS_5_37_N_20061111_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061111_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061111_3.PNG

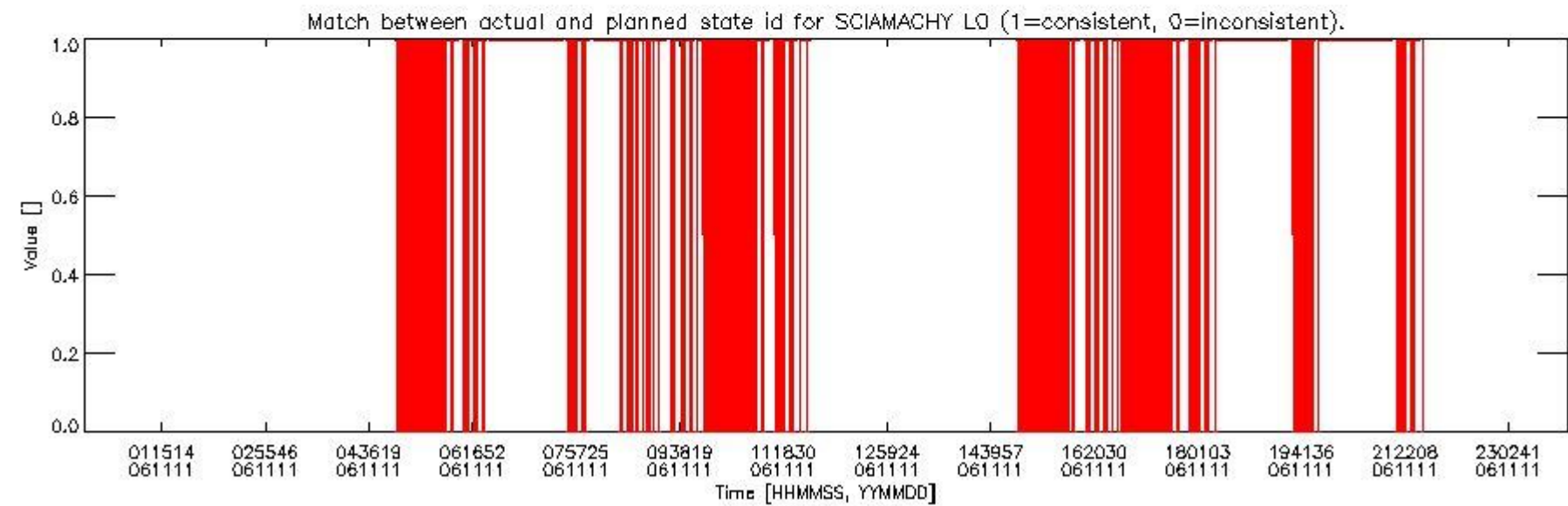
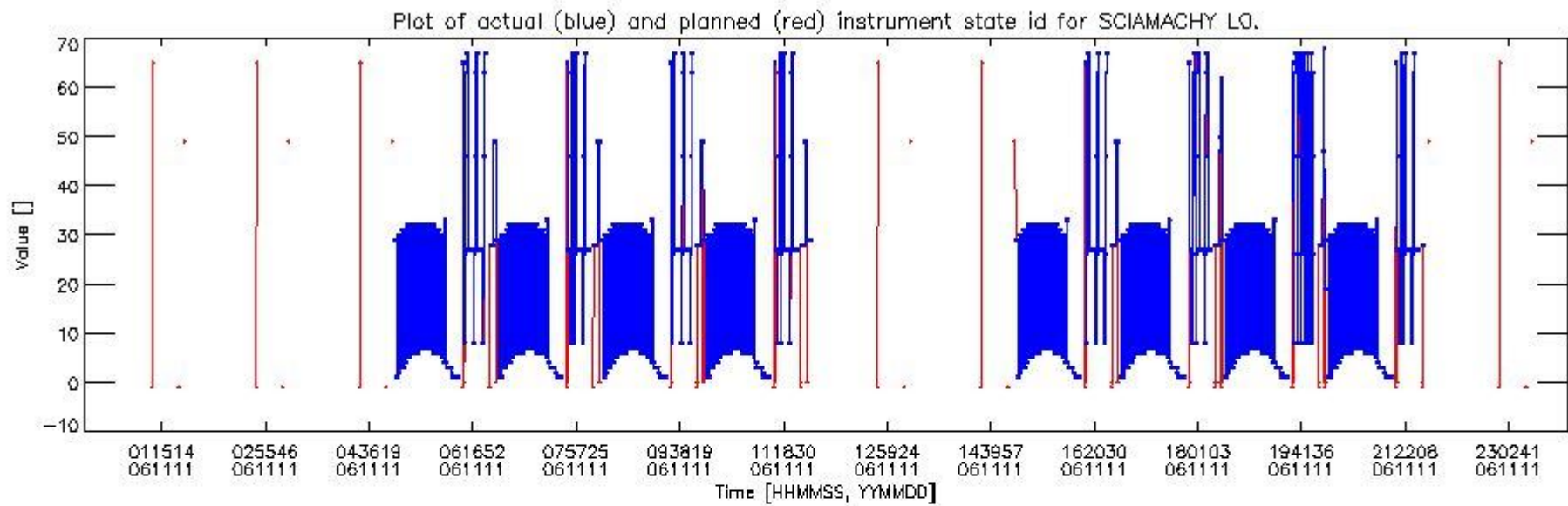


0.3 State monitoring

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: **438**

#	Actual time	Actual value	Planned time	Planned value
0	11NOV2006 05:02:35.167870	1	11NOV2006 05:02:35.167870	29
1	11NOV2006 05:03:43.726460	30	11NOV2006 05:03:43.726460	1
2	11NOV2006 05:04:39.597571	2	11NOV2006 05:04:39.597571	30
3	11NOV2006 05:05:48.156162	30	11NOV2006 05:05:48.156162	2
4	11NOV2006 05:06:44.027233	3	11NOV2006 05:06:44.027233	30
5	11NOV2006 05:07:52.581920	31	11NOV2006 05:07:52.581920	3
6	11NOV2006 05:08:48.453031	3	11NOV2006 05:08:48.453031	31
7	11NOV2006 05:09:57.015524	31	11NOV2006 05:09:57.015524	3
8	11NOV2006 05:10:52.886595	4	11NOV2006 05:10:52.886595	31
9	11NOV2006 05:12:01.445185	32	11NOV2006 05:12:01.445185	4
10	11NOV2006 05:12:57.316296	5	11NOV2006 05:12:57.316296	32
11	11NOV2006 05:14:05.874886	32	11NOV2006 05:14:05.874886	5
12	11NOV2006 05:15:01.742055	5	11NOV2006 05:15:01.742055	32
13	11NOV2006 05:16:10.300645	32	11NOV2006 05:16:10.300645	5
14	11NOV2006 05:17:06.171756	6	11NOV2006 05:17:06.171756	32
15	11NOV2006 05:18:14.730346	32	11NOV2006 05:18:14.730346	6
16	11NOV2006 05:19:10.605319	6	11NOV2006 05:19:10.605319	32
17	11NOV2006 05:20:19.160007	32	11NOV2006 05:20:19.160007	6
18	11NOV2006 05:21:15.031118	6	11NOV2006 05:21:15.031118	32
19	11NOV2006 05:22:23.593611	32	11NOV2006 05:22:23.593611	6

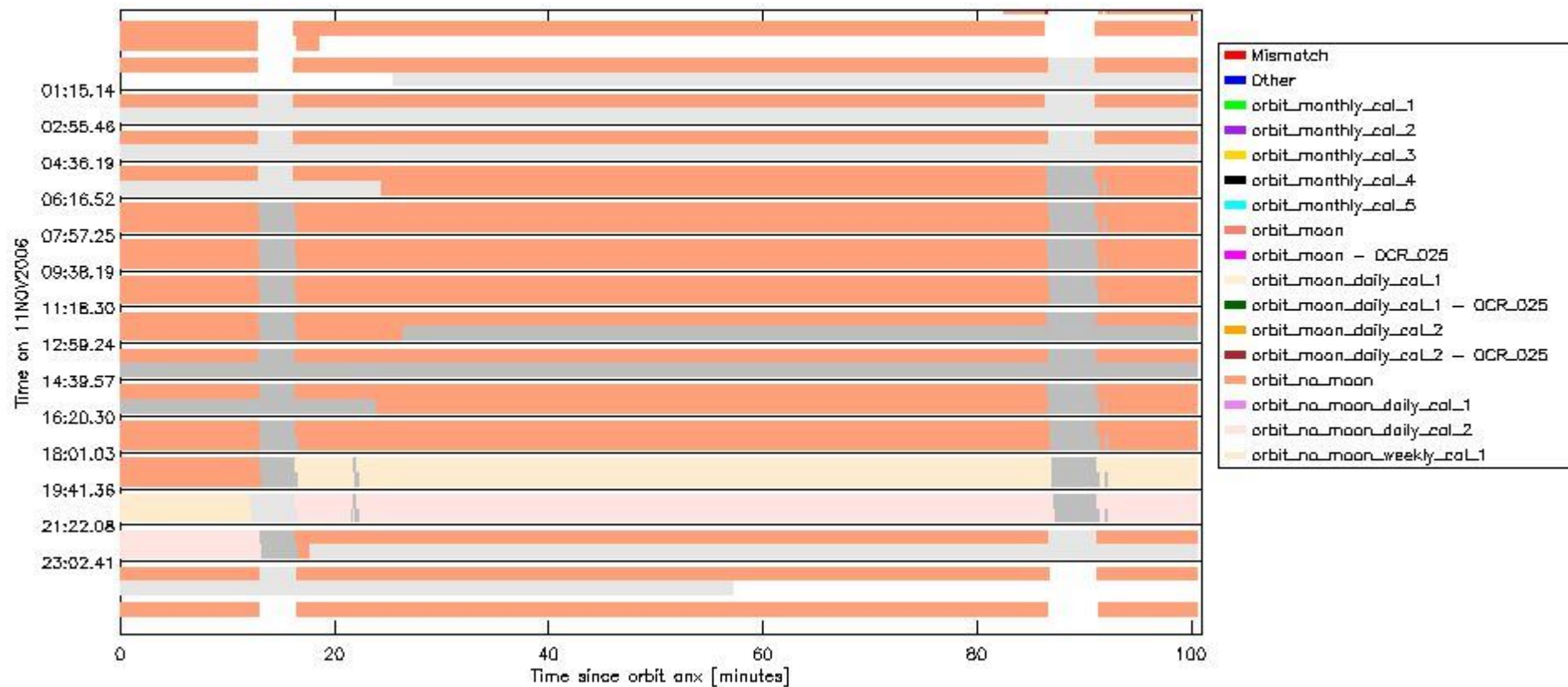


sciamachy_daily_report_level0_PFHS_5_37_N_20061111_5.PNG

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 11NOV2006.
 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_PPHS_5_37_N_20061111_6.PNG

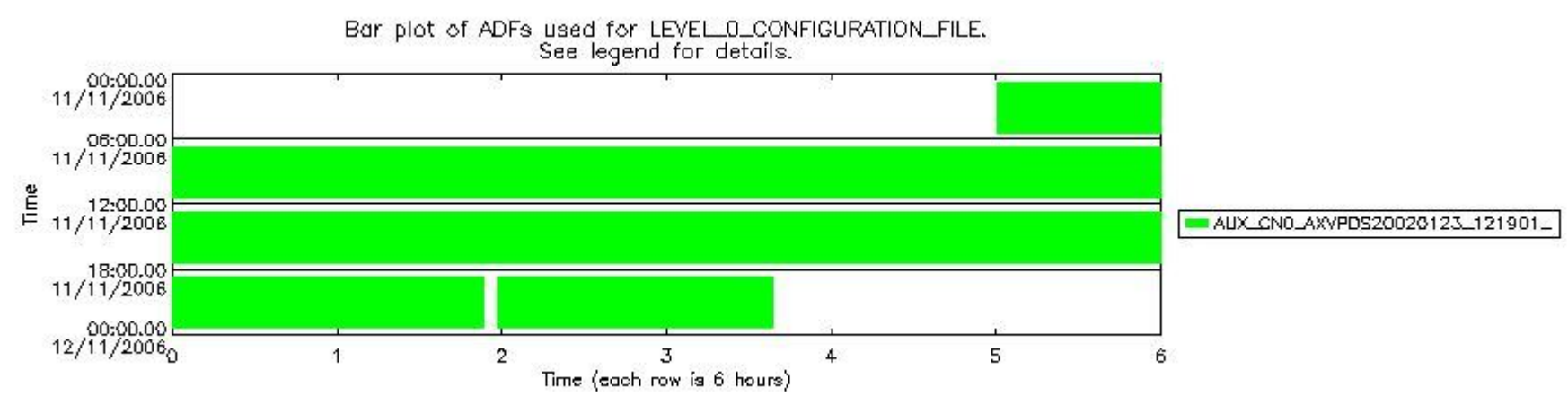
0.4 ADF monitoring

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

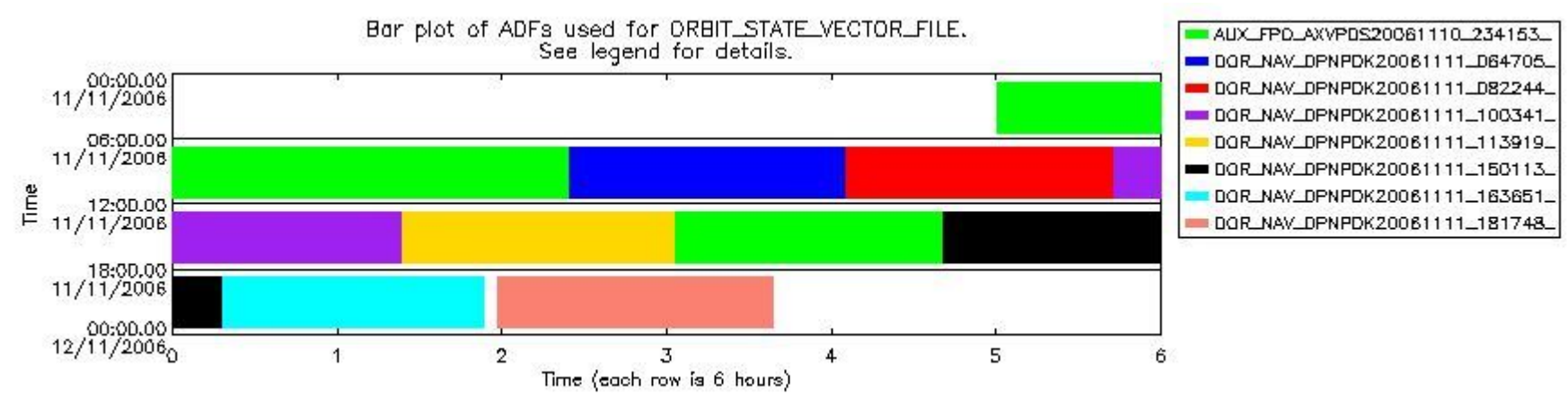
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

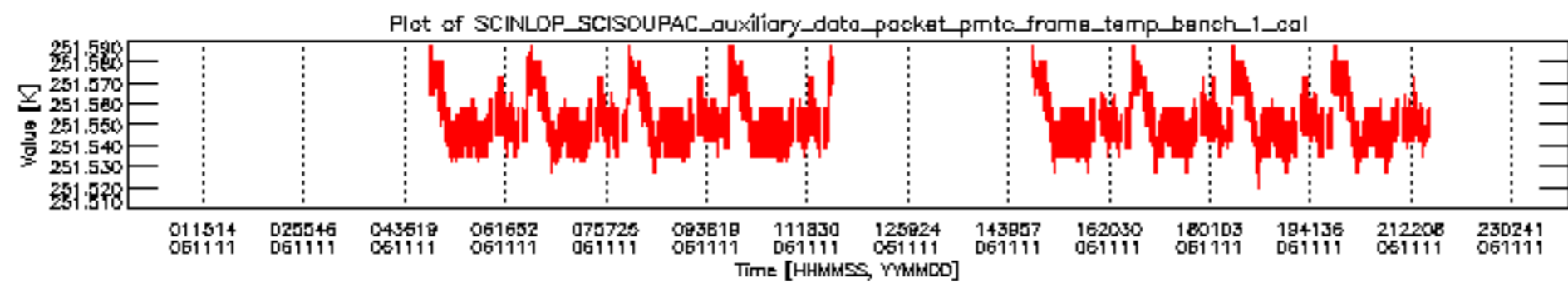
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20061110_234153_20061110_183242_20061120_213932
2	DOR_NAV_OPNPDK20061111_064705_000054192052_00464_24566_1370.N1
3	DOR_NAV_OPNPDK20061111_082244_000057382052_00465_24567_1371.N1
4	DOR_NAV_OPNPDK20061111_100341_000054192052_00466_24568_1372.N1
5	DOR_NAV_OPNPDK20061111_113919_000057382052_00467_24569_1373.N1
6	DOR_NAV_OPNPDK20061111_150113_000054192052_00469_24571_1375.N1
7	DOR_NAV_OPNPDK20061111_163651_000057382052_00470_24572_1376.N1
8	DOR_NAV_OPNPDK20061111_181748_000054192052_00471_24573_1377.N1

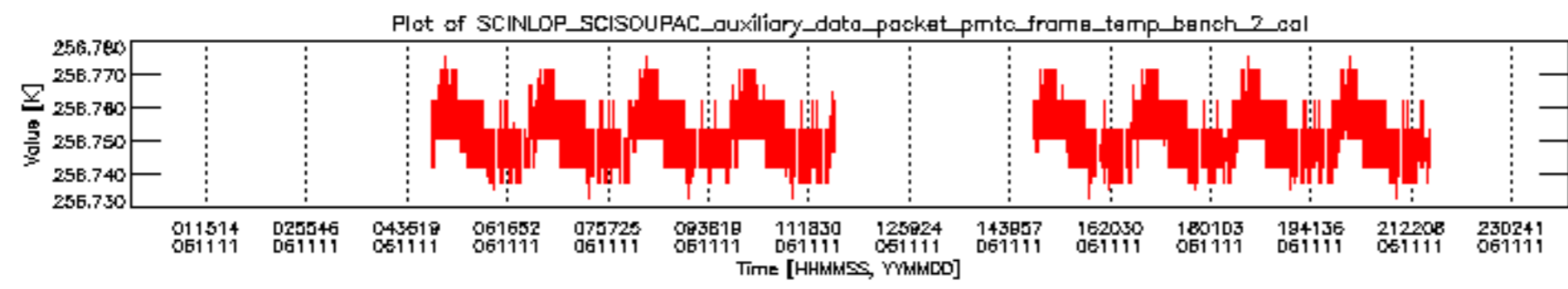


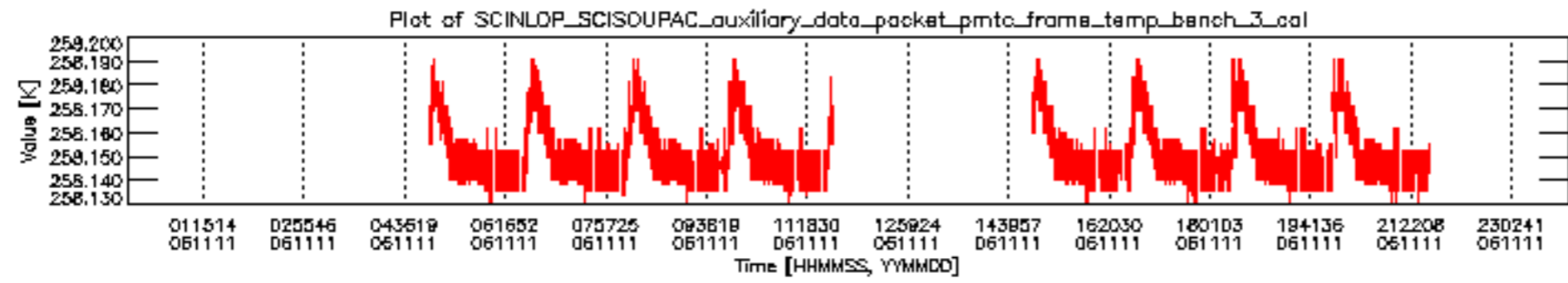
sciamachy_daily_report_level0_PPHS_5_37_N_20061111_7.PNG

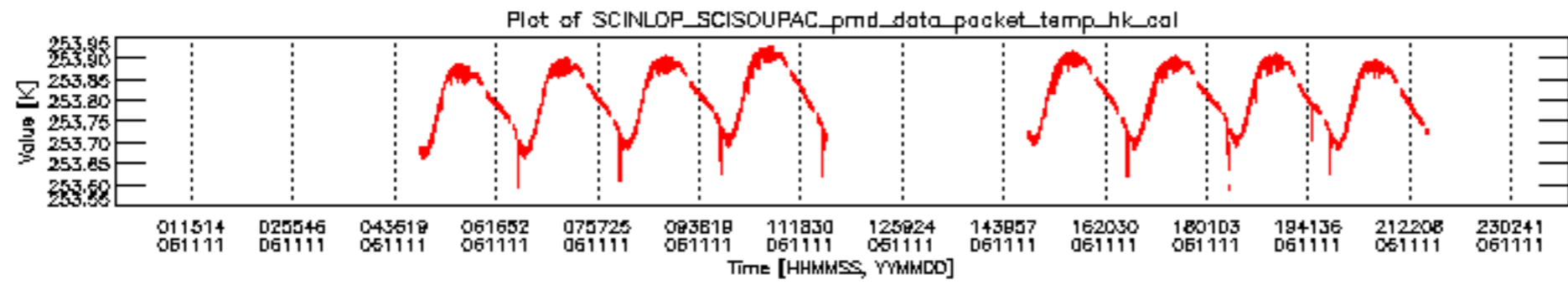


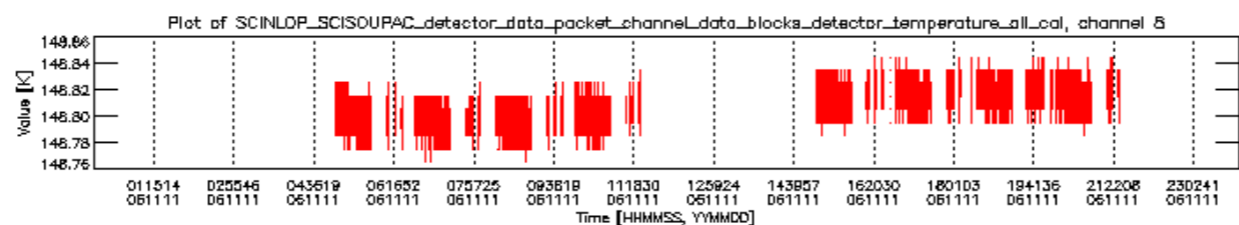
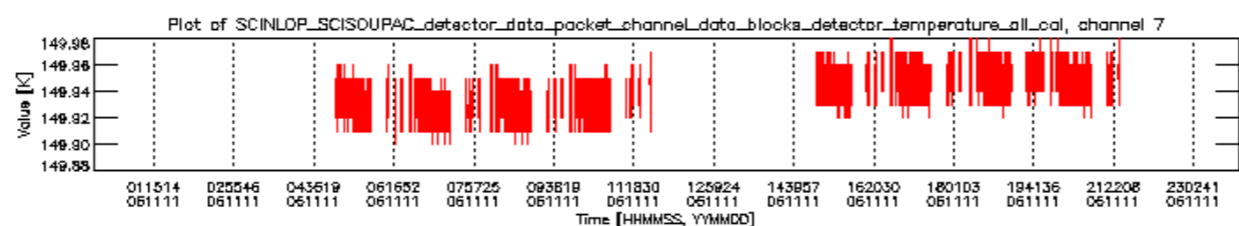
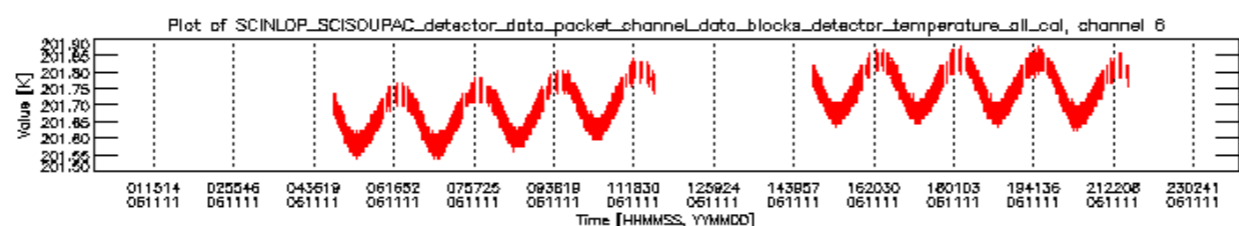
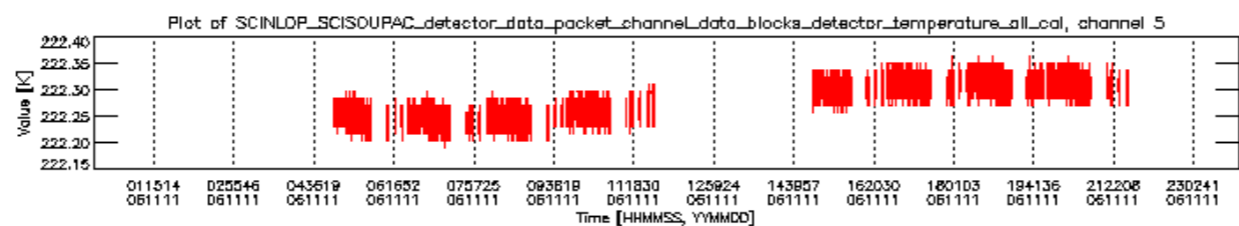
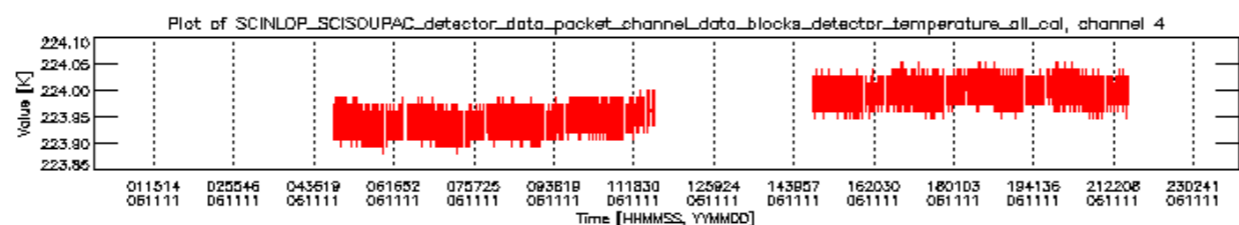
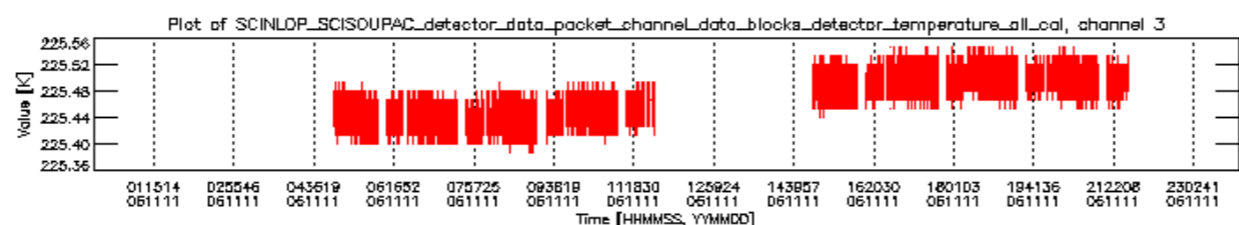
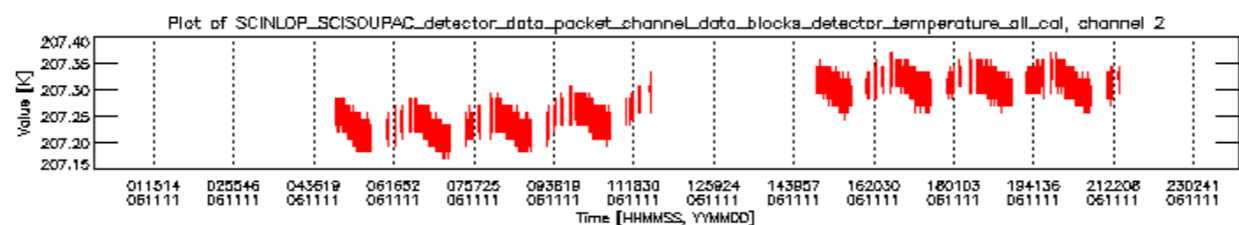
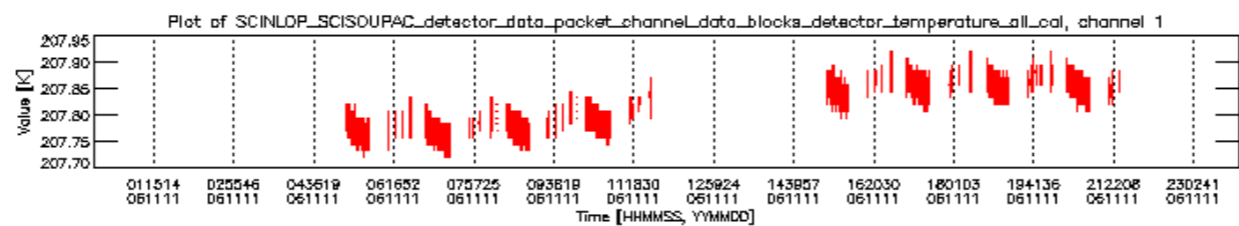
sciamachy_daily_report_level0_PPHS_5_37_N_20061111_8.PNG

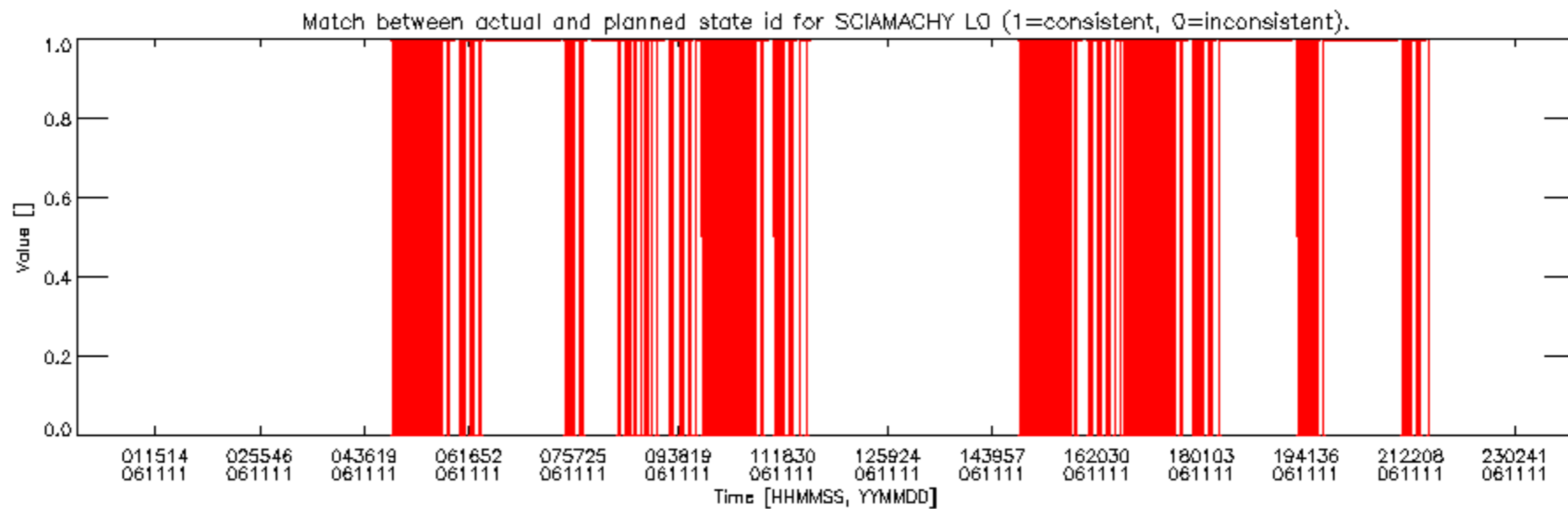
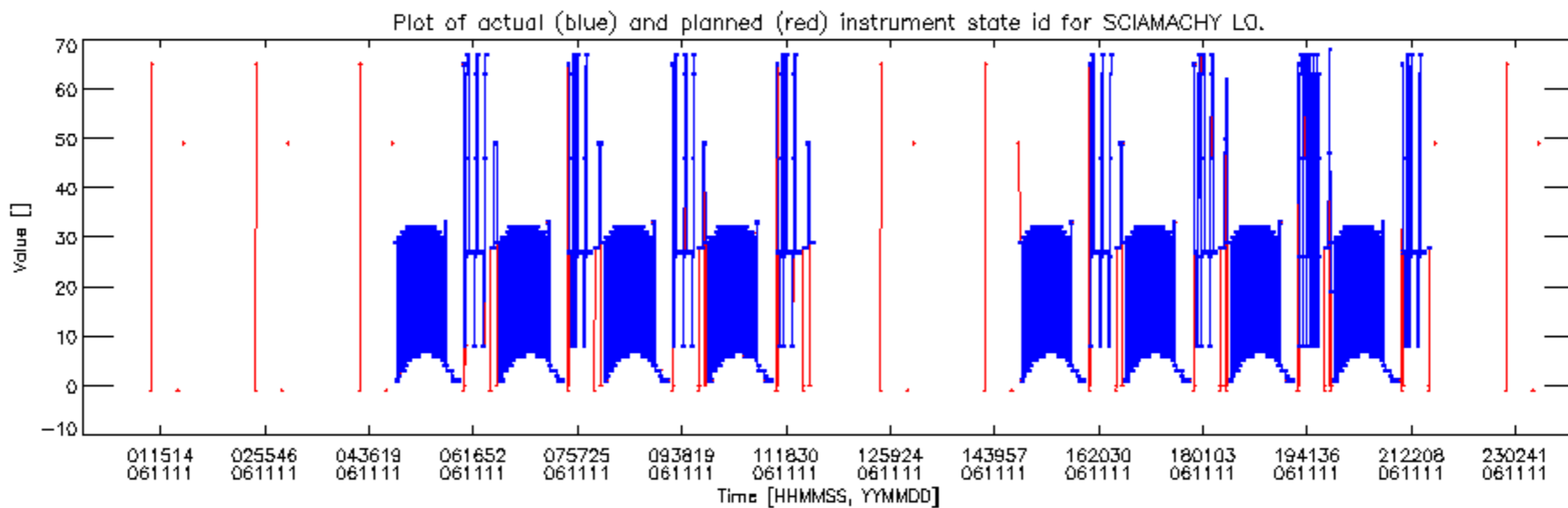












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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