

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	04DEC2006 18:32:07
Data source version	PFHS/5.37-N
Processing scope for products	27NOV2006 00:00:00 to 28NOV2006 00:00:00
Start time of first product within scope	27NOV2006 07:14:36
Stop time of last product within scope	27NOV2006 19:52:20
Total number of level 0 products	8
Number of level 0 products with errors	8

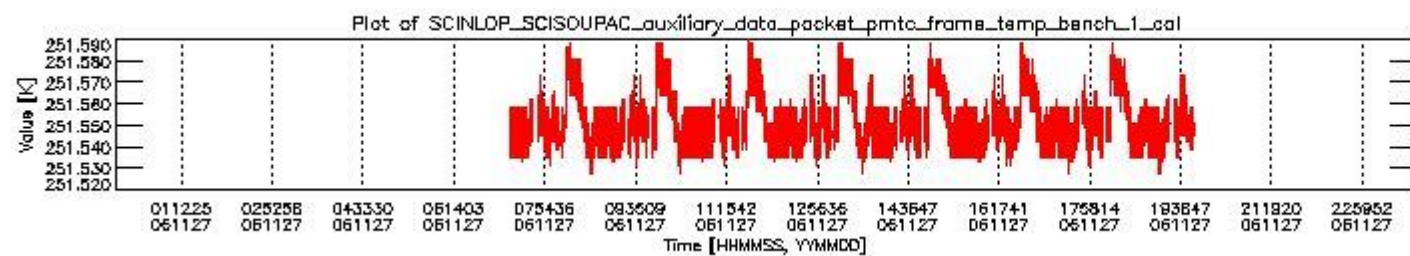
0.1.2 Summary per product

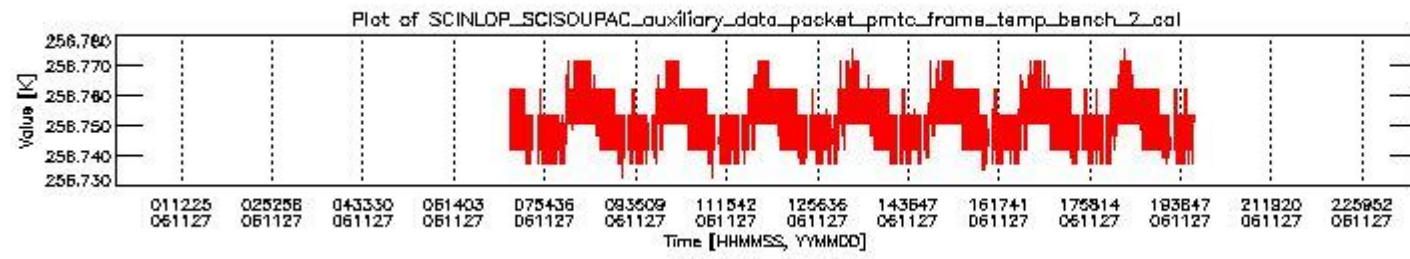
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20061127_071436_000041132053_00192_24795_1502.N1	27NOV2006 07:14:36	27NOV2006 08:23:10	1	0	1	0	0
1	SCI_NL__0PNPDK20061127_082214_000061472053_00193_24796_1503.N1	27NOV2006 08:22:14	27NOV2006 10:04:42	1	0	1	0	0
2	SCI_NL__0PNPDK20061127_100346_000059112053_00194_24797_1504.N1	27NOV2006 10:03:46	27NOV2006 11:42:18	1	0	1	0	0
3	SCI_NL__0PNPDK20061127_114026_000060912053_00195_24798_1505.N1	27NOV2006 11:40:26	27NOV2006 13:21:58	1	0	1	0	0
4	SCI_NL__0PNPDK20061127_132102_000058422053_00196_24799_1506.N1	27NOV2006 13:21:02	27NOV2006 14:58:24	1	0	1	0	0
5	SCI_NL__0PNPDK20061127_145824_000060362053_00197_24800_1507.N1	27NOV2006 14:58:24	27NOV2006 16:39:01	1	0	1	0	0
6	SCI_NL__0PNPDK20061127_163804_000058682053_00198_24801_1508.N1	27NOV2006 16:38:04	27NOV2006 18:15:52	1	0	1	0	0
7	SCI_NL__0PNPDK20061127_181552_000057872053_00199_24802_1509.N1	27NOV2006 18:15:52	27NOV2006 19:52:20	1	0	1	0	0

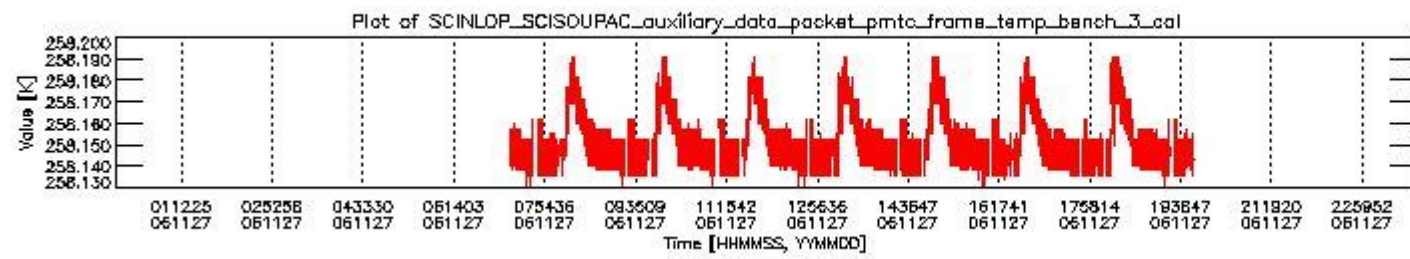
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

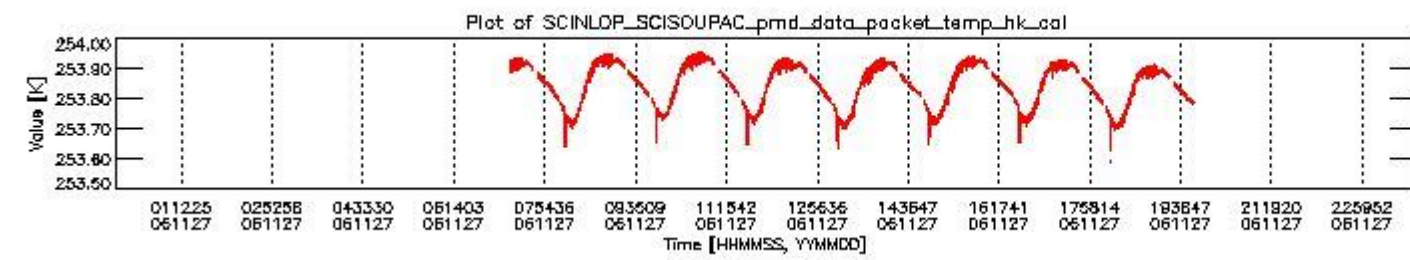




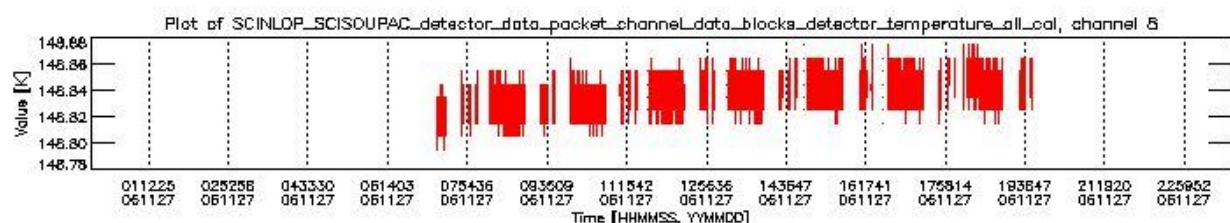
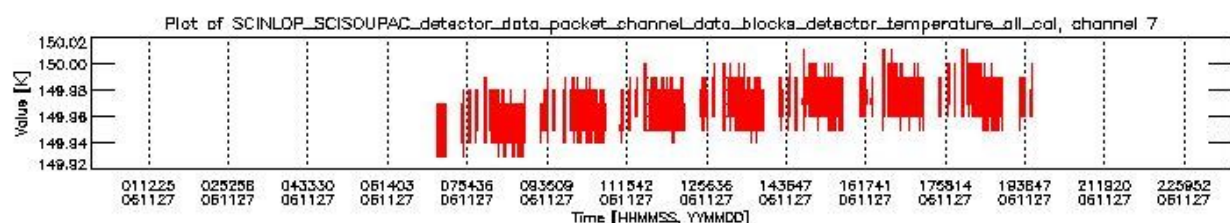
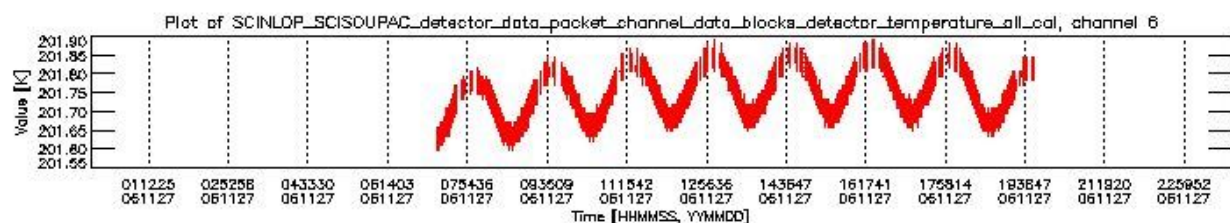
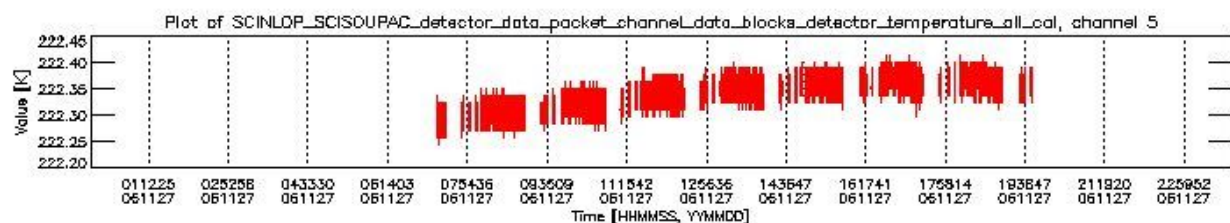
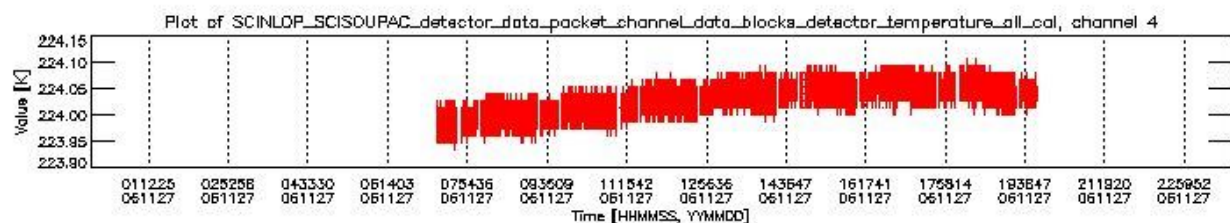
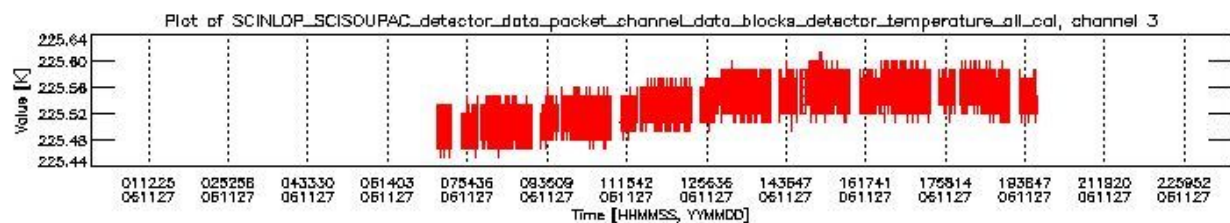
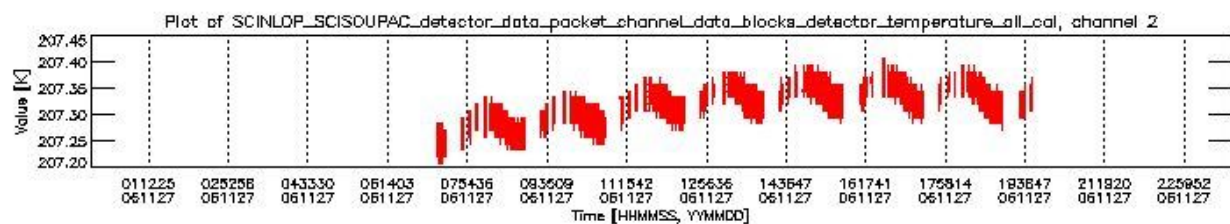
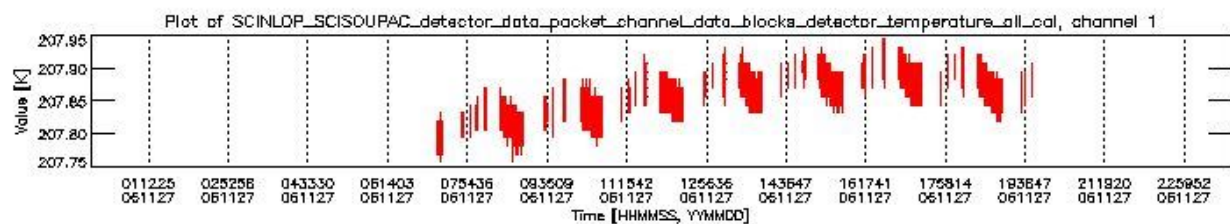
sciamachy_daily_report_level0_PFHS_5_37_N_20061127_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061127_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061127_3.PNG

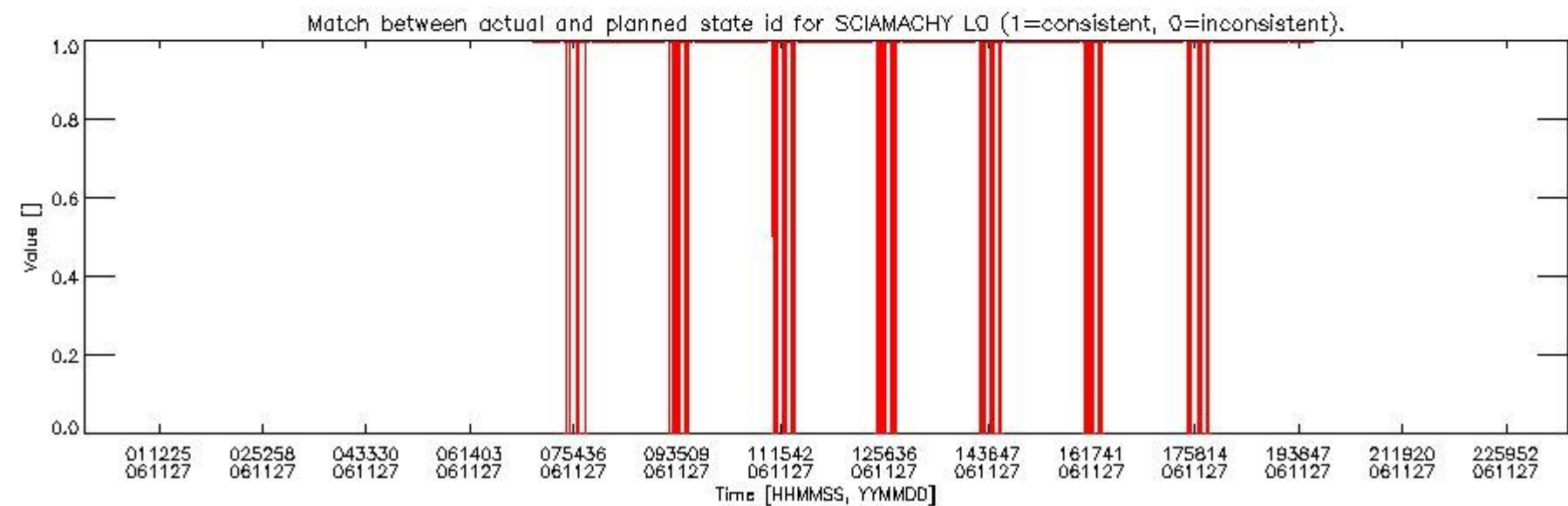
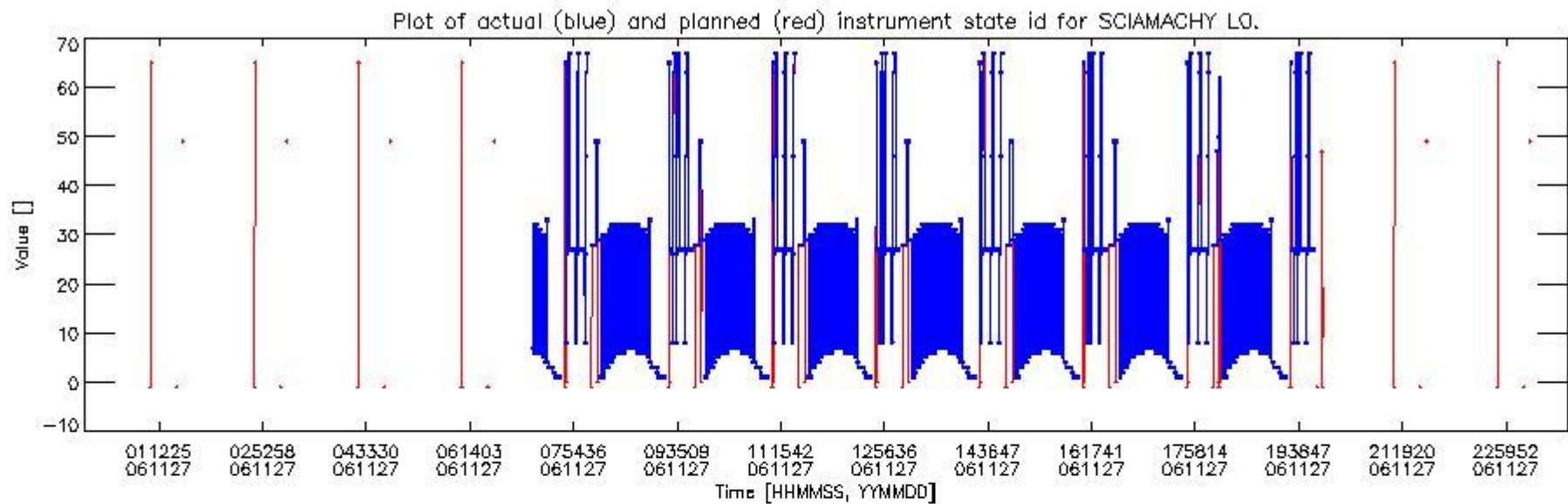


0.3 State monitoring

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: **112**

#	Actual time	Actual value	Planned time	Planned value
0	27NOV2006 07:47:26.764630	8	27NOV2006 07:47:26.764630	0
1	27NOV2006 07:50:54.561491	27	27NOV2006 07:50:54.561491	67
2	27NOV2006 07:57:30.588794	26	27NOV2006 07:57:30.588794	8
3	27NOV2006 07:58:04.147413	46	27NOV2006 07:58:04.147413	26
4	27NOV2006 08:00:14.827091	27	27NOV2006 08:00:14.827091	67
5	27NOV2006 08:06:06.795811	26	27NOV2006 08:06:06.795811	8
6	27NOV2006 08:06:53.912997	63	27NOV2006 08:06:53.912997	46
7	27NOV2006 09:28:02.936154	27	27NOV2006 09:28:02.936154	0
8	27NOV2006 09:30:15.115844	8	27NOV2006 09:30:15.115844	27
9	27NOV2006 09:30:58.670546	26	27NOV2006 09:30:58.670546	8
10	27NOV2006 09:31:32.233028	46	27NOV2006 09:31:32.233028	26
11	27NOV2006 09:31:45.791634	63	27NOV2006 09:31:45.791634	46
12	27NOV2006 09:32:19.350213	67	27NOV2006 09:32:19.350213	63
13	27NOV2006 09:33:42.912705	8	27NOV2006 09:33:42.912705	67
14	27NOV2006 09:34:26.471310	26	27NOV2006 09:34:26.471310	8
15	27NOV2006 09:35:00.025986	46	27NOV2006 09:35:00.025986	26
16	27NOV2006 09:35:13.588496	63	27NOV2006 09:35:13.588496	46
17	27NOV2006 09:35:47.147074	67	27NOV2006 09:35:47.147074	63
18	27NOV2006 09:37:10.709566	27	27NOV2006 09:37:10.709566	67
19	27NOV2006 09:42:19.119722	8	27NOV2006 09:42:19.119722	27

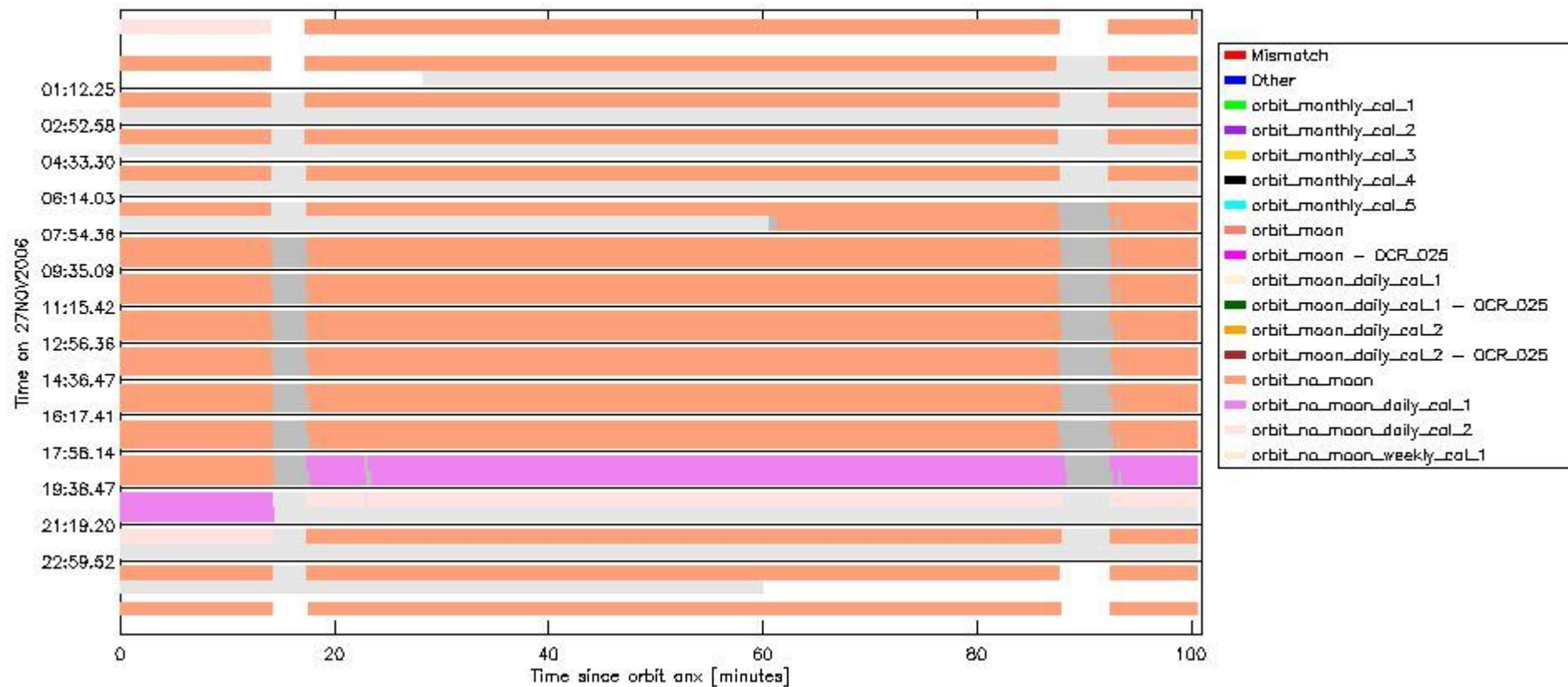


sciamachy_daily_report_level0_PFHS_5_37_N_20061127_5.PNG

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 27NOV2006.
 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_20061127_6.PNG

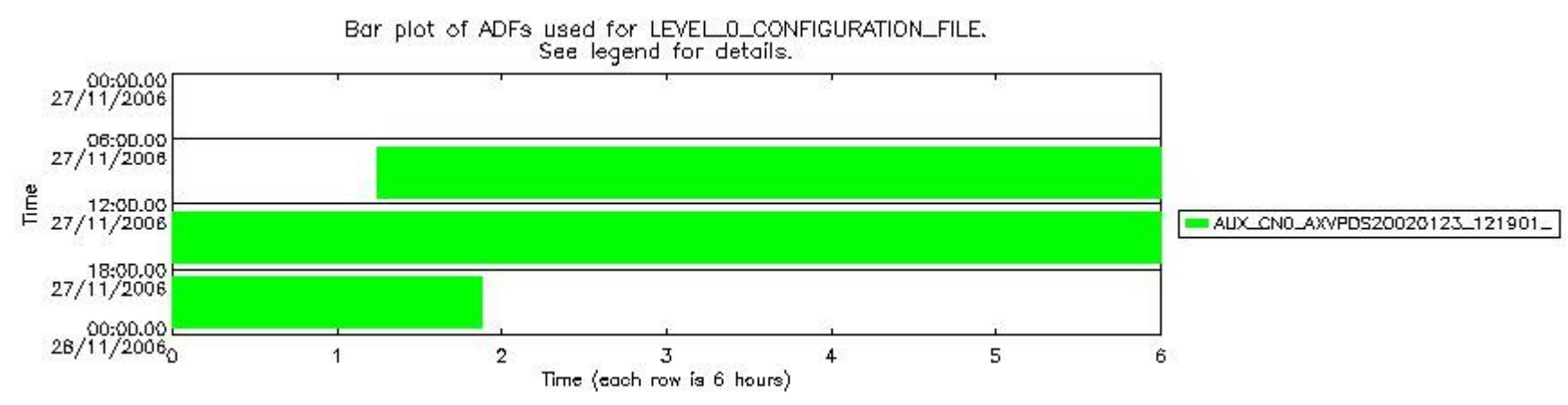
0.4 ADF monitoring

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

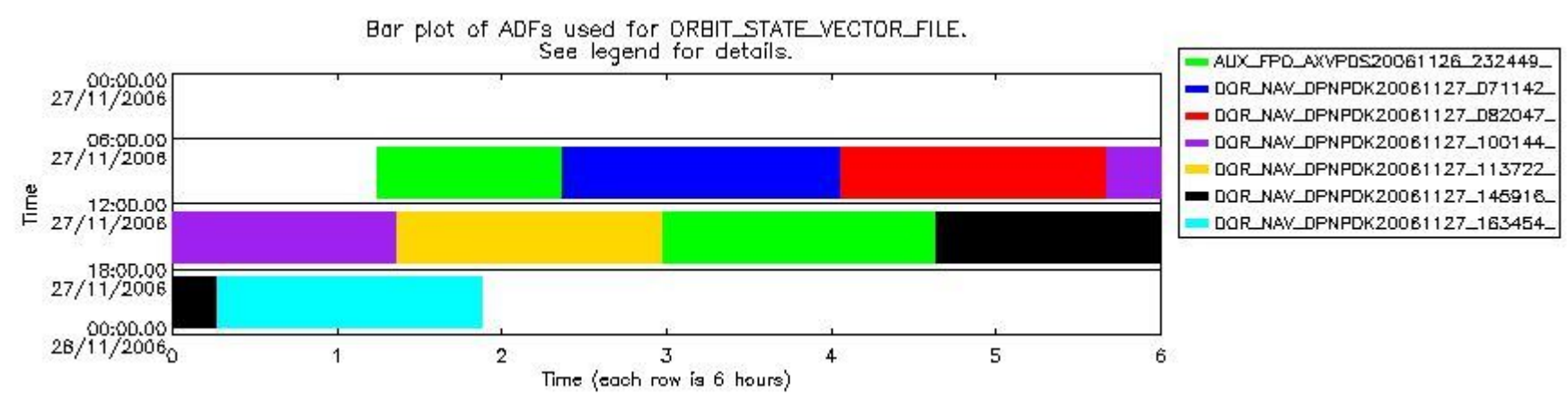
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

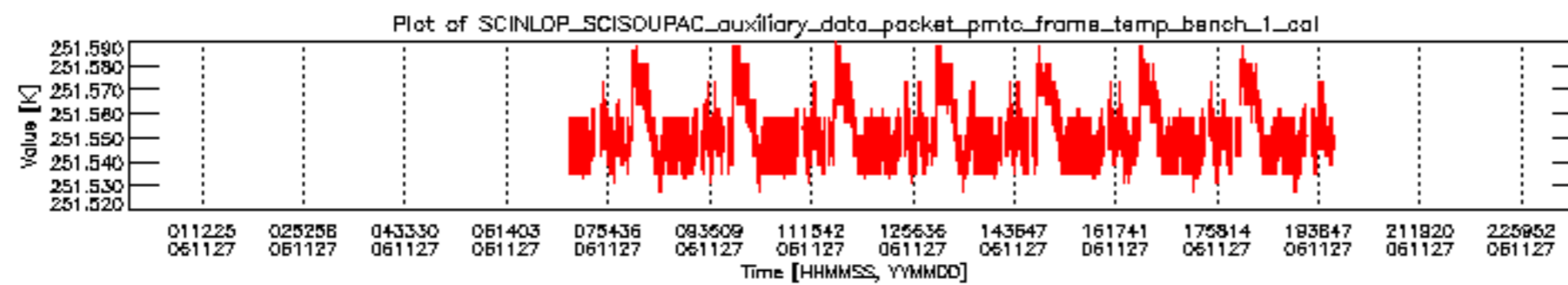
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20061126_232449_20061126_182950_20061206_213640
2	DOR_NAV_OPNPDK20061127_071142_000038252053_00192_24795_1515.N1
3	DOR_NAV_OPNPDK20061127_082047_000057382053_00193_24796_1516.N1
4	DOR_NAV_OPNPDK20061127_100144_000054192053_00194_24797_1517.N1
5	DOR_NAV_OPNPDK20061127_113722_000057382053_00195_24798_1518.N1
6	DOR_NAV_OPNPDK20061127_145916_000054192053_00197_24800_1520.N1
7	DOR_NAV_OPNPDK20061127_163454_000054192053_00198_24801_1521.N1

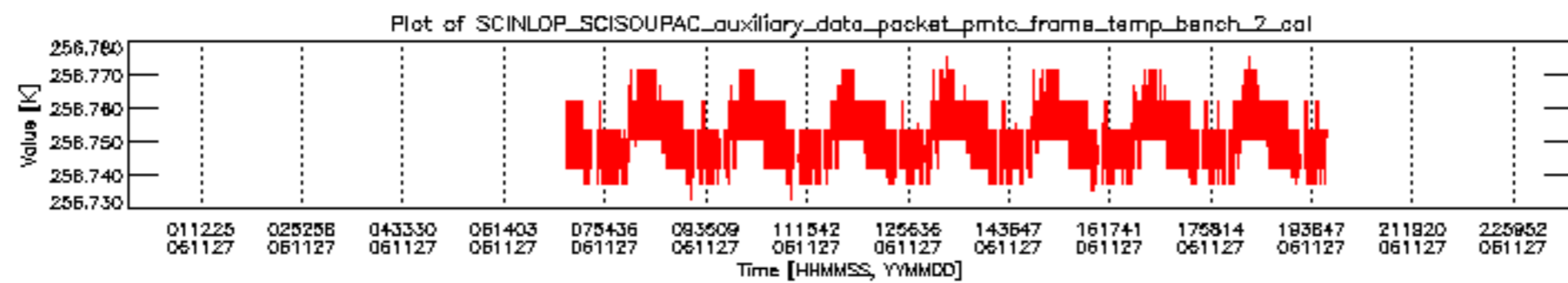


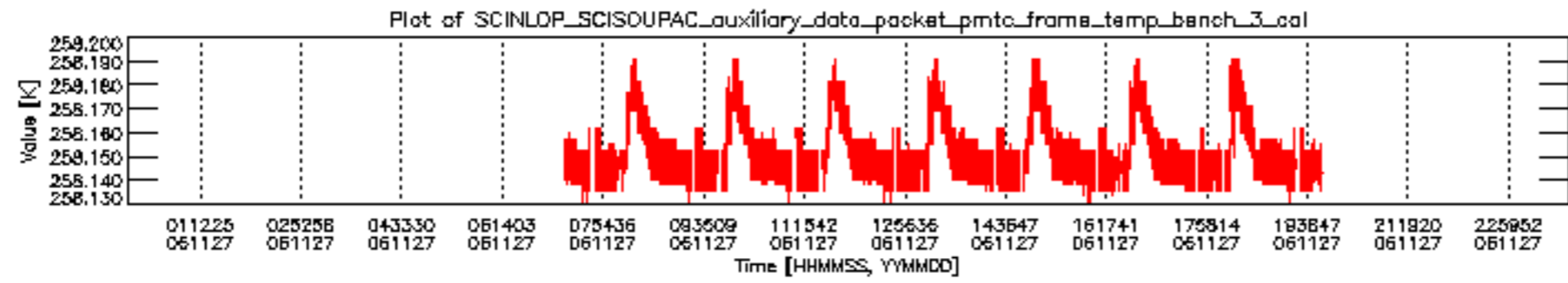
sciamachy_daily_report_level0_PPHS_5_37_N_20061127_7.PNG

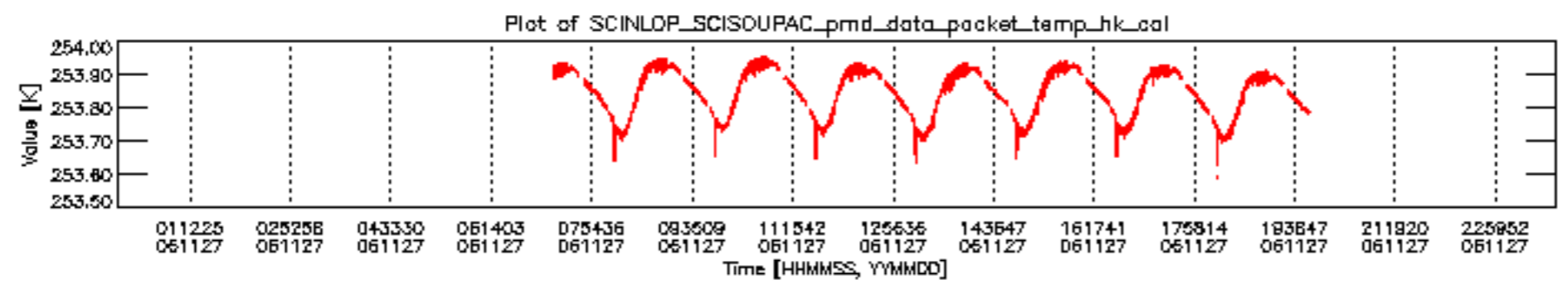


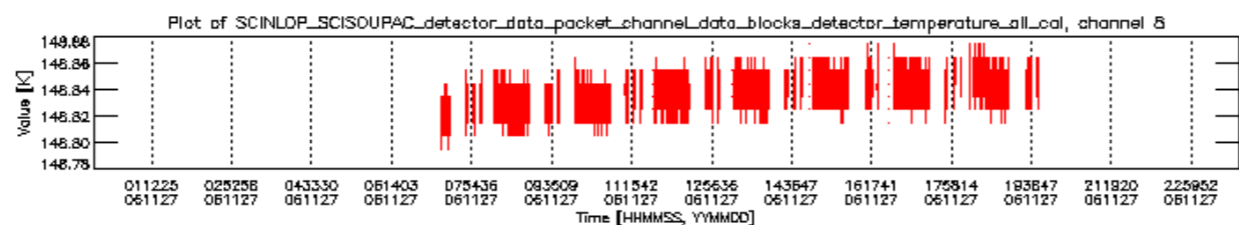
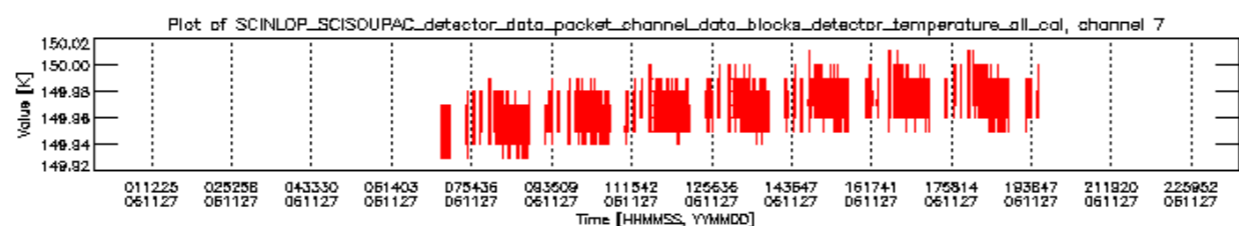
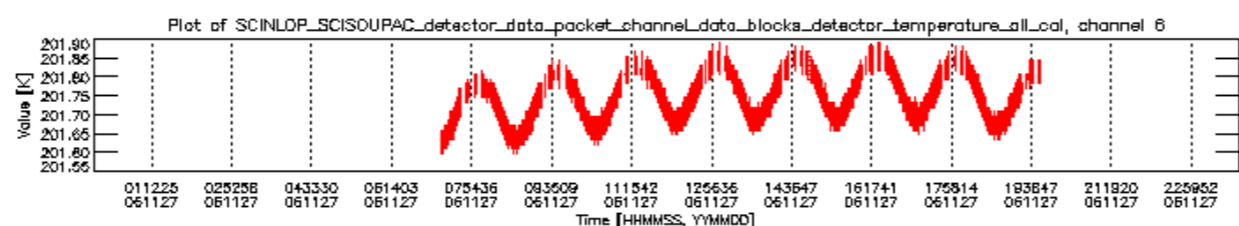
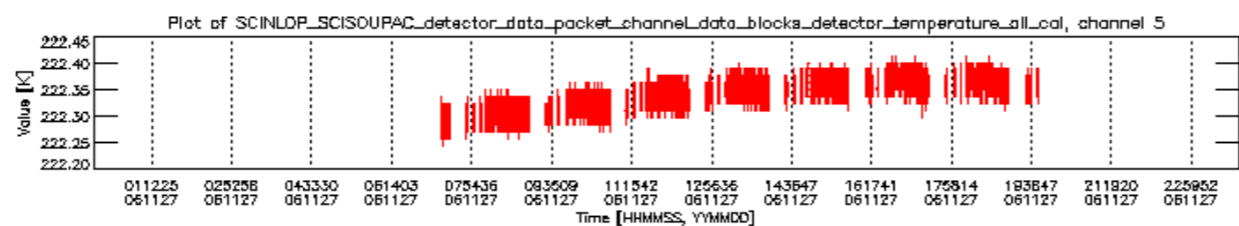
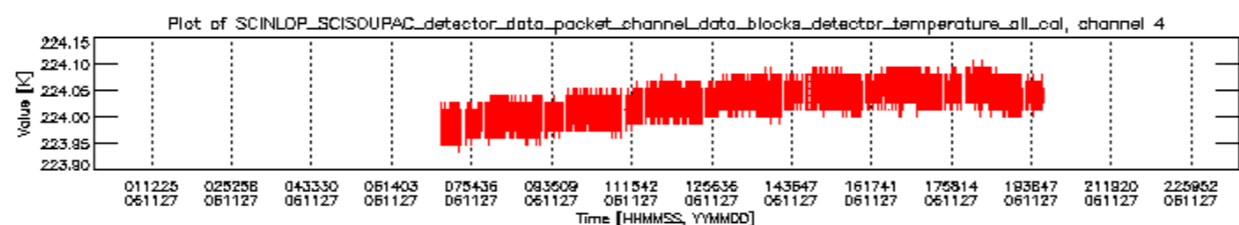
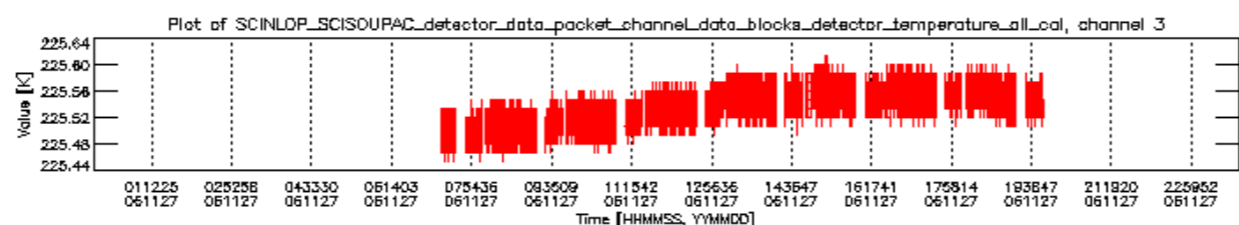
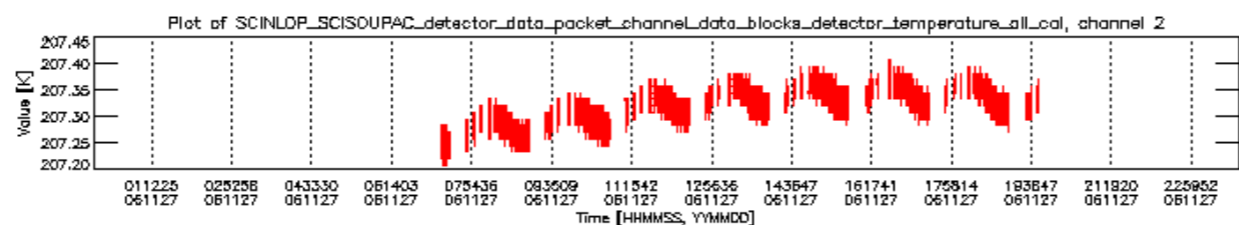
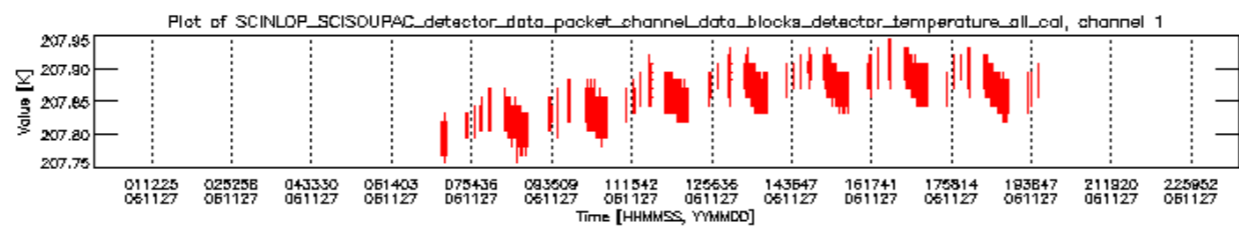
sciamachy_daily_report_level0_PPHS_5_37_N_20061127_8.PNG

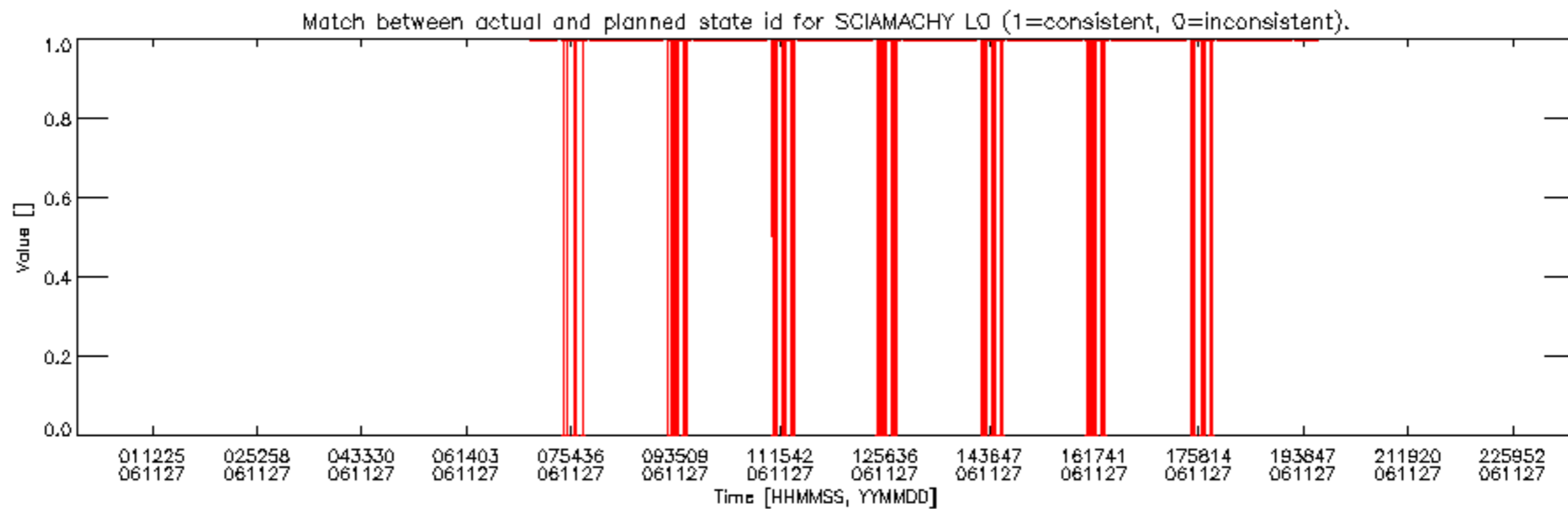
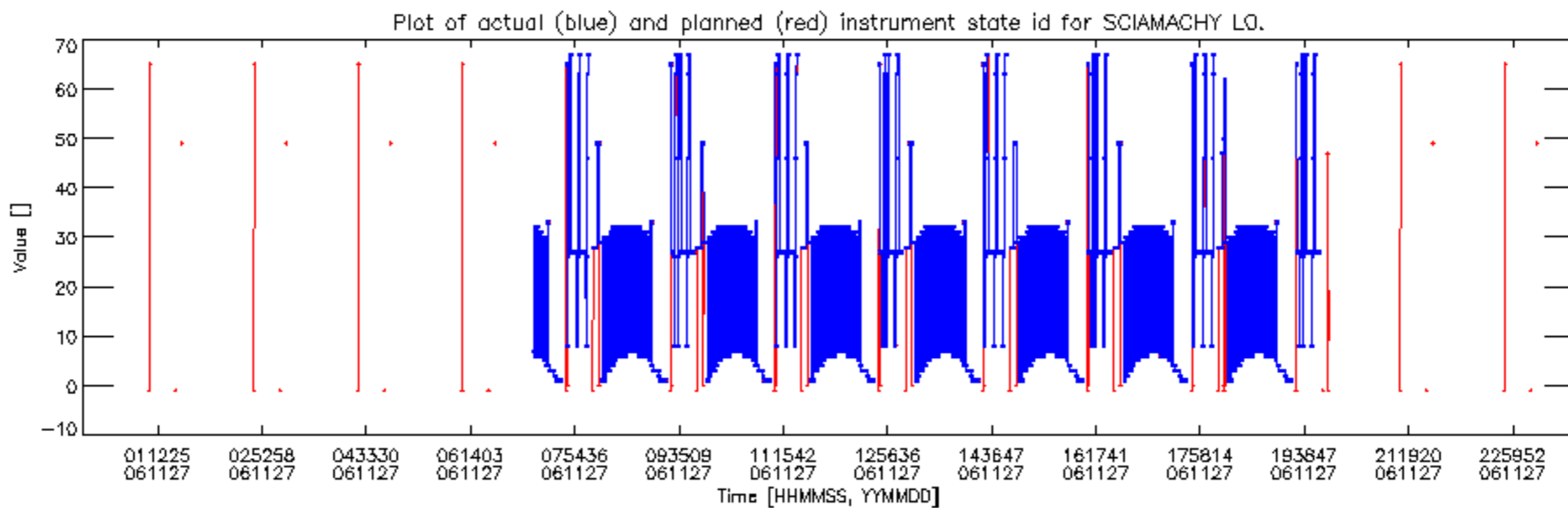












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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