

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	25NOV2006 04:45:56
Data source version	PFHS/5.37-N
Processing scope for products	22NOV2006 00:00:00 to 23NOV2006 00:00:00
Start time of first product within scope	22NOV2006 06:30:16
Stop time of last product within scope	22NOV2006 20:48:49
Total number of level 0 products	9
Number of level 0 products with errors	9

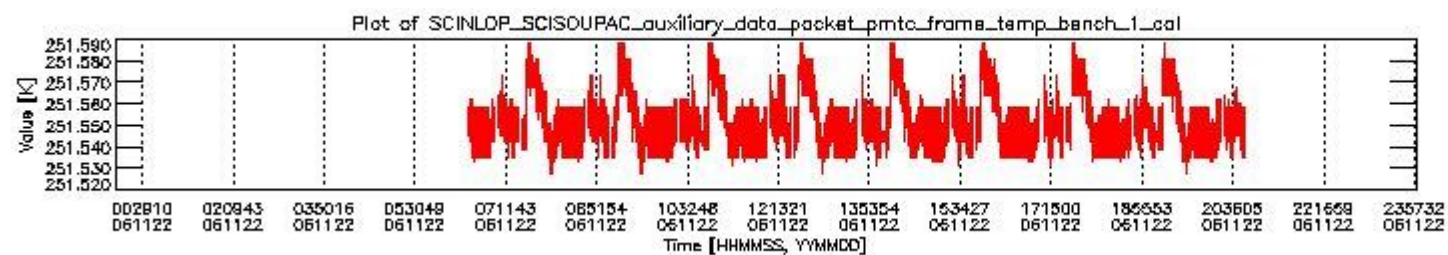
0.1.2 Summary per product

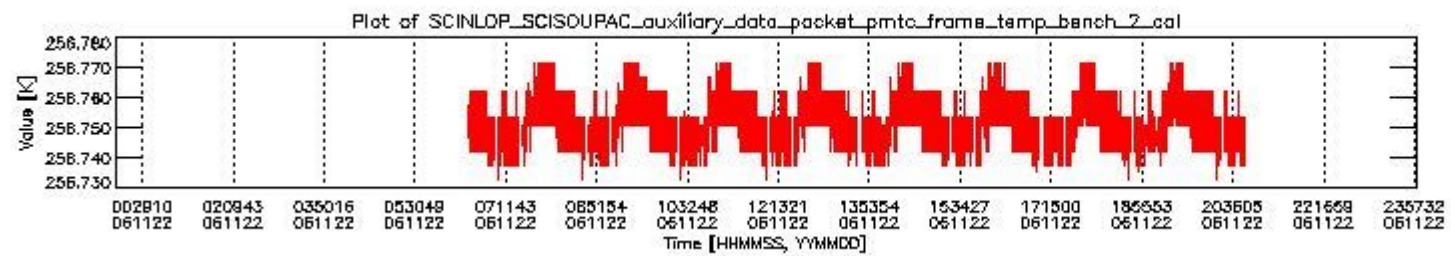
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20061122_063016_000041132053_00120_24723_1447.N1	22NOV2006 06:30:16	22NOV2006 07:38:50	1	0	1	0	0
1	SCI_NL__0PNPDK20061122_073741_000062162053_00121_24724_1448.N1	22NOV2006 07:37:41	22NOV2006 09:21:17	1	0	1	0	0
2	SCI_NL__0PNPDK20061122_092022_000060362053_00122_24725_1449.N1	22NOV2006 09:20:22	22NOV2006 11:00:58	1	0	1	0	0
3	SCI_NL__0PNPDK20061122_110002_000060232053_00123_24726_1450.N1	22NOV2006 11:00:02	22NOV2006 12:40:25	1	0	1	0	0
4	SCI_NL__0PNPDK20061122_123929_000059802053_00124_24727_1451.N1	22NOV2006 12:39:29	22NOV2006 14:19:10	1	0	1	0	0
5	SCI_NL__0PNPDK20061122_141814_000057852053_00125_24728_1452.N1	22NOV2006 14:18:14	22NOV2006 15:54:39	1	0	1	0	0
6	SCI_NL__0PNPDK20061122_155248_000056882053_00126_24729_1453.N1	22NOV2006 15:52:48	22NOV2006 17:27:36	1	0	1	0	0
7	SCI_NL__0PNPDK20061122_173228_000060362053_00127_24730_1454.N1	22NOV2006 17:32:28	22NOV2006 19:13:04	1	0	1	0	0
8	SCI_NL__0PNPDK20061122_191304_000057442053_00128_24731_1455.N1	22NOV2006 19:13:04	22NOV2006 20:48:49	1	0	1	0	0

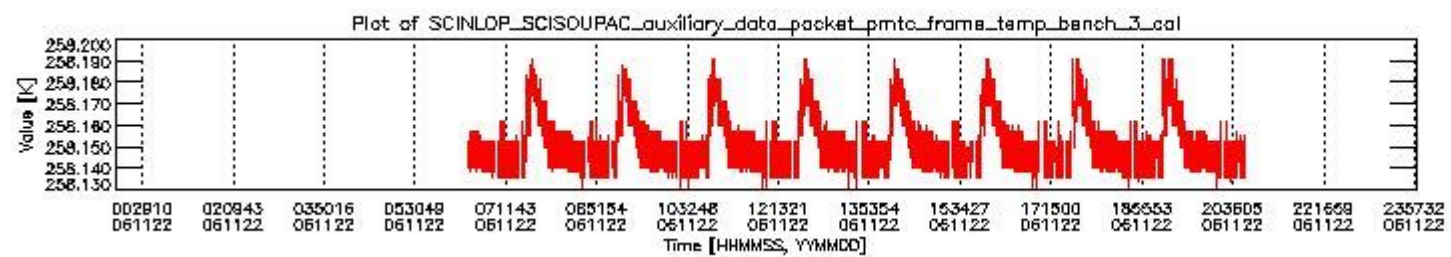
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

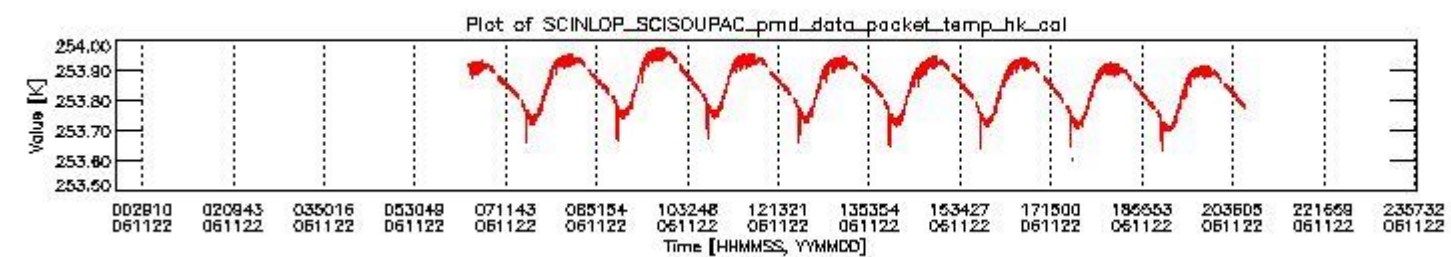




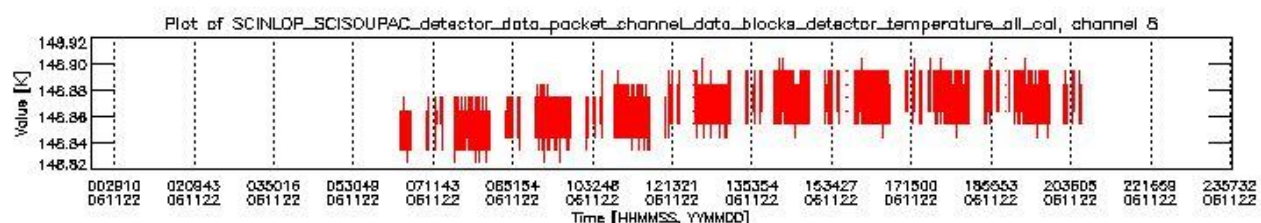
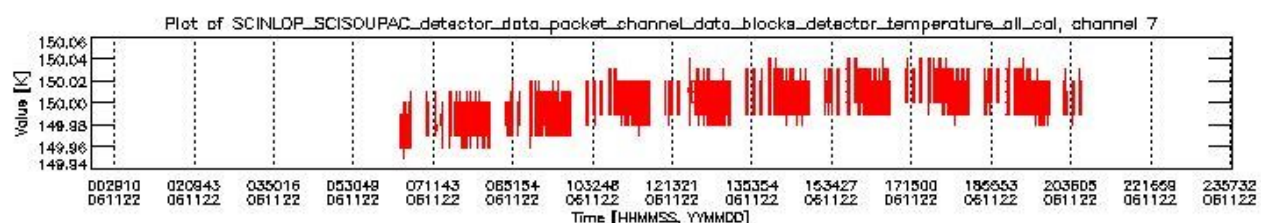
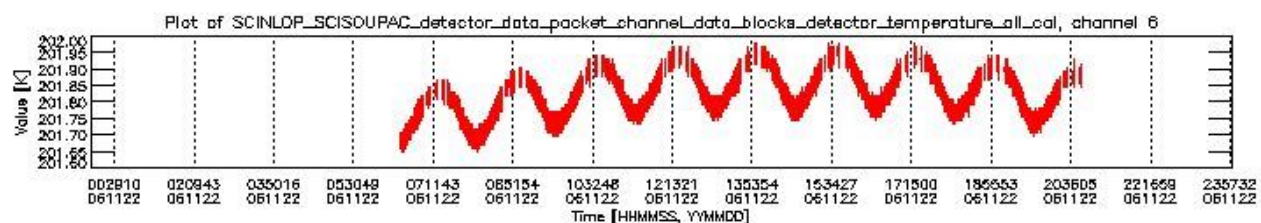
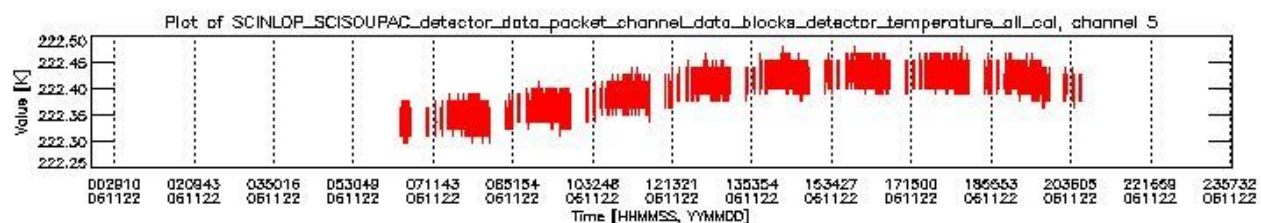
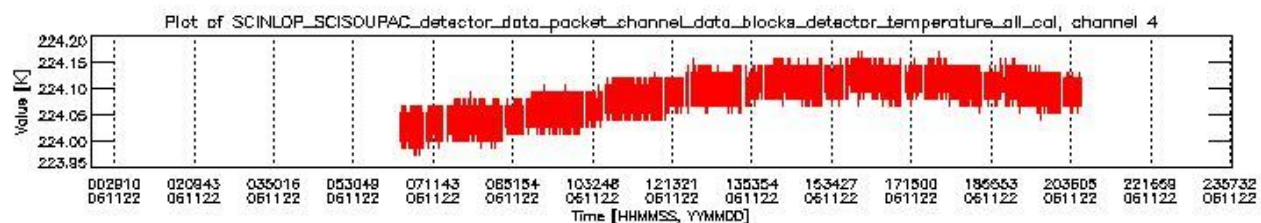
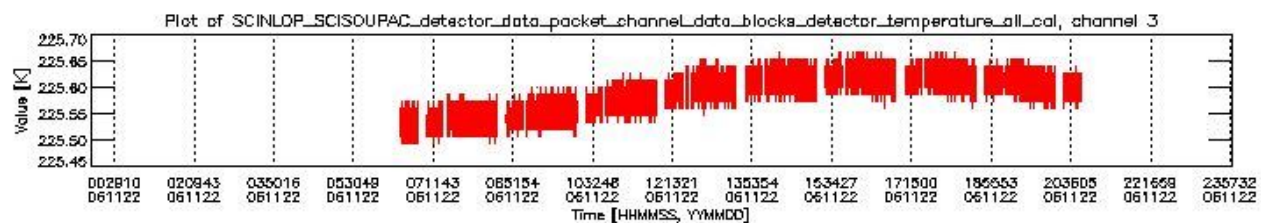
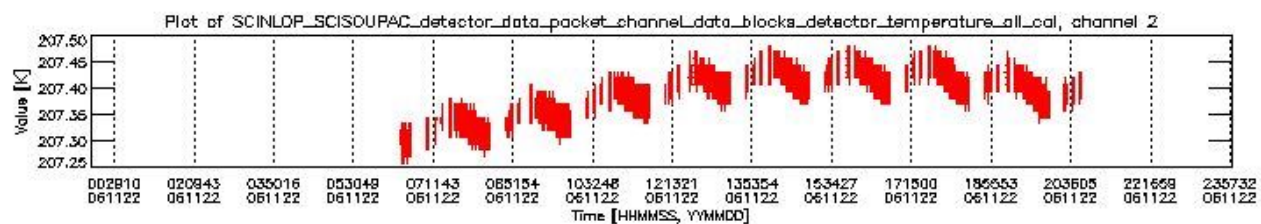
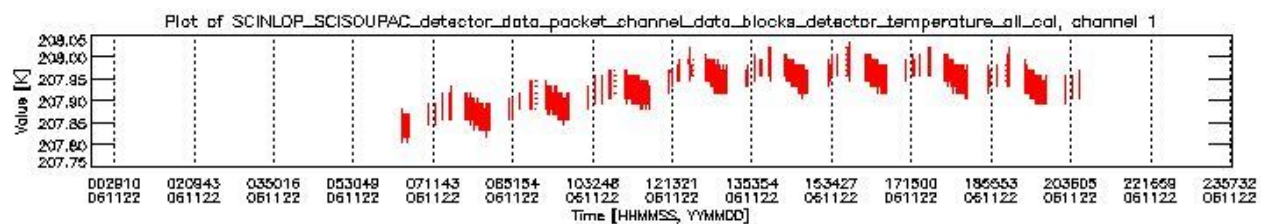
sciamachy_daily_report_level0_PFHS_5_37_N_20061122_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061122_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061122_3.PNG

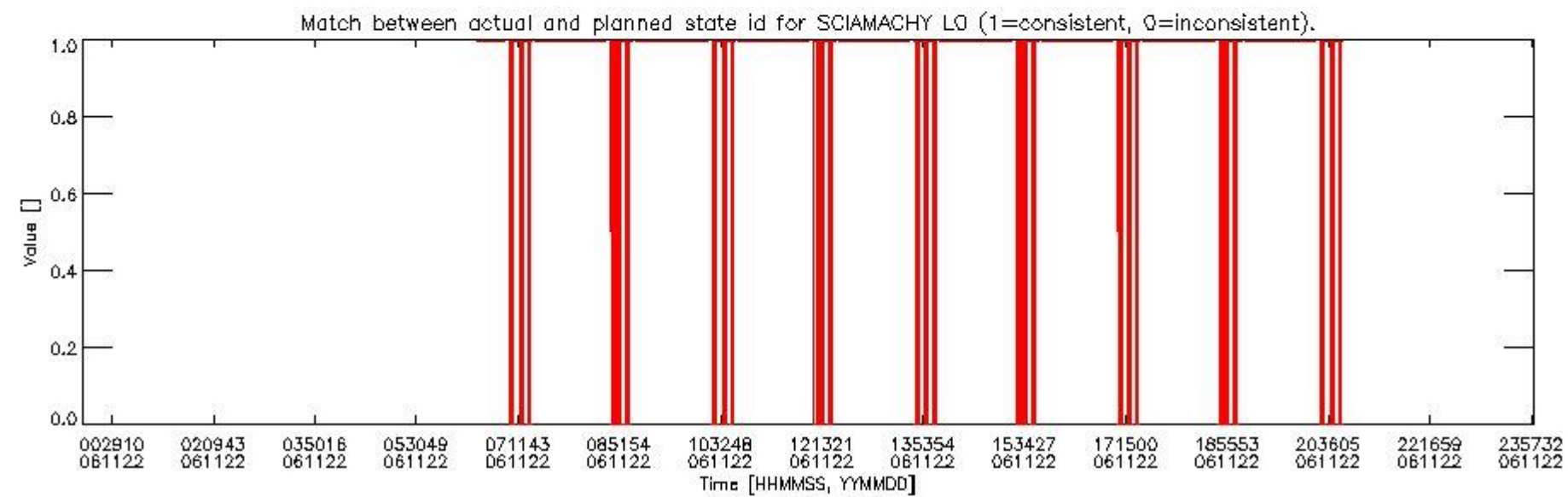
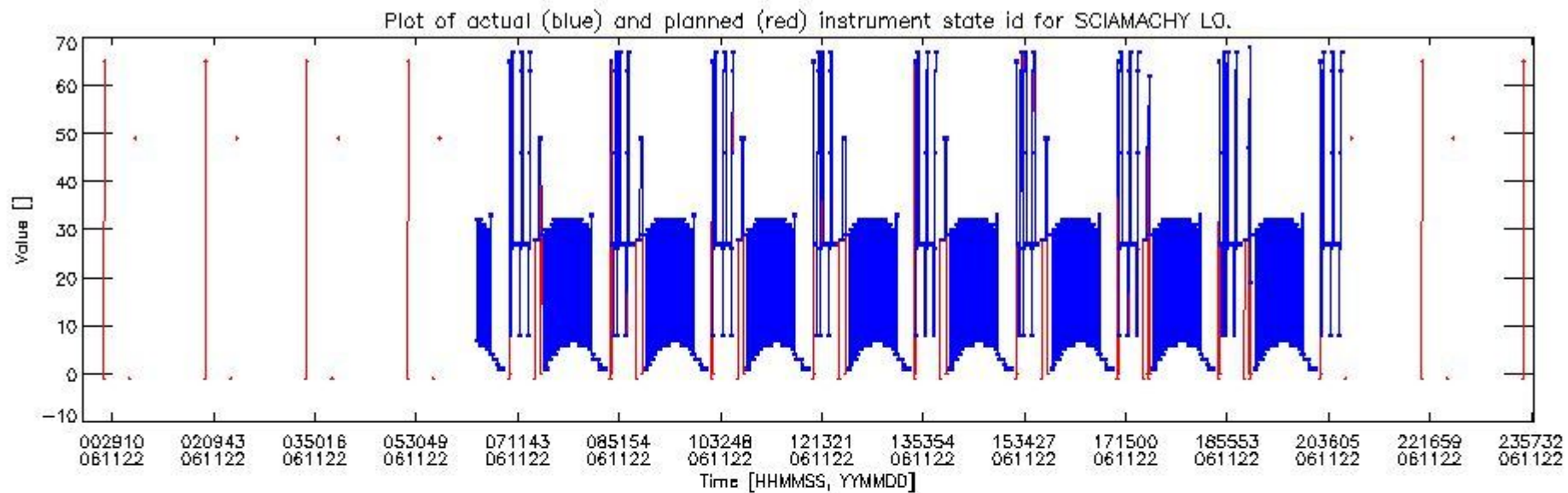


0.3 State monitoring

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: **187**

#	Actual time	Actual value	Planned time	Planned value
0	22NOV2006 07:03:58.667008	8	22NOV2006 07:03:58.667008	0
1	22NOV2006 07:04:42.225573	26	22NOV2006 07:04:42.225573	8
2	22NOV2006 07:05:15.784192	46	22NOV2006 07:05:15.784192	26
3	22NOV2006 07:05:29.346661	63	22NOV2006 07:05:29.346661	46
4	22NOV2006 07:06:02.905280	67	22NOV2006 07:06:02.905280	63
5	22NOV2006 07:06:03.155249	67	22NOV2006 07:06:03.155249	63
6	22NOV2006 07:07:26.467772	27	22NOV2006 07:07:26.467772	67
7	22NOV2006 07:13:18.932567	8	22NOV2006 07:13:18.932567	27
8	22NOV2006 07:14:02.491172	26	22NOV2006 07:14:02.491172	8
9	22NOV2006 07:14:36.053654	46	22NOV2006 07:14:36.053654	26
10	22NOV2006 07:14:49.612260	63	22NOV2006 07:14:49.612260	46
11	22NOV2006 07:15:23.166937	67	22NOV2006 07:15:23.166937	63
12	22NOV2006 07:15:23.416945	67	22NOV2006 07:15:23.416945	63
13	22NOV2006 07:16:46.729428	27	22NOV2006 07:16:46.729428	67
14	22NOV2006 07:21:55.143487	8	22NOV2006 07:21:55.143487	27
15	22NOV2006 07:22:38.702092	26	22NOV2006 07:22:38.702092	8
16	22NOV2006 07:23:12.260671	46	22NOV2006 07:23:12.260671	26
17	22NOV2006 07:23:25.819277	63	22NOV2006 07:23:25.819277	46
18	22NOV2006 07:23:59.373954	67	22NOV2006 07:23:59.373954	63
19	22NOV2006 07:23:59.623962	67	22NOV2006 07:23:59.623962	63

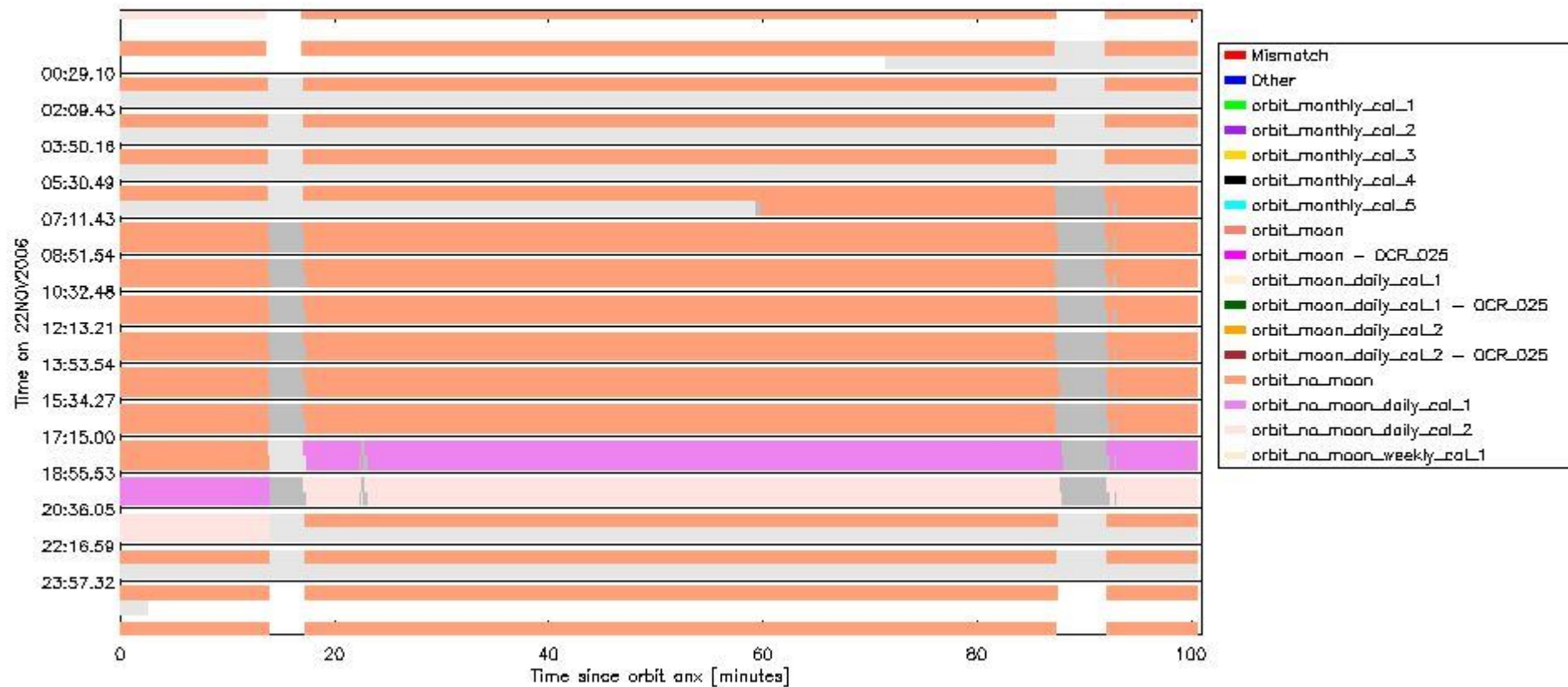


sciamachy_daily_report_level0_PFHS_5_37_N_20061122_5.PNG

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 22NOV2006.
 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_20061122_6.PNG

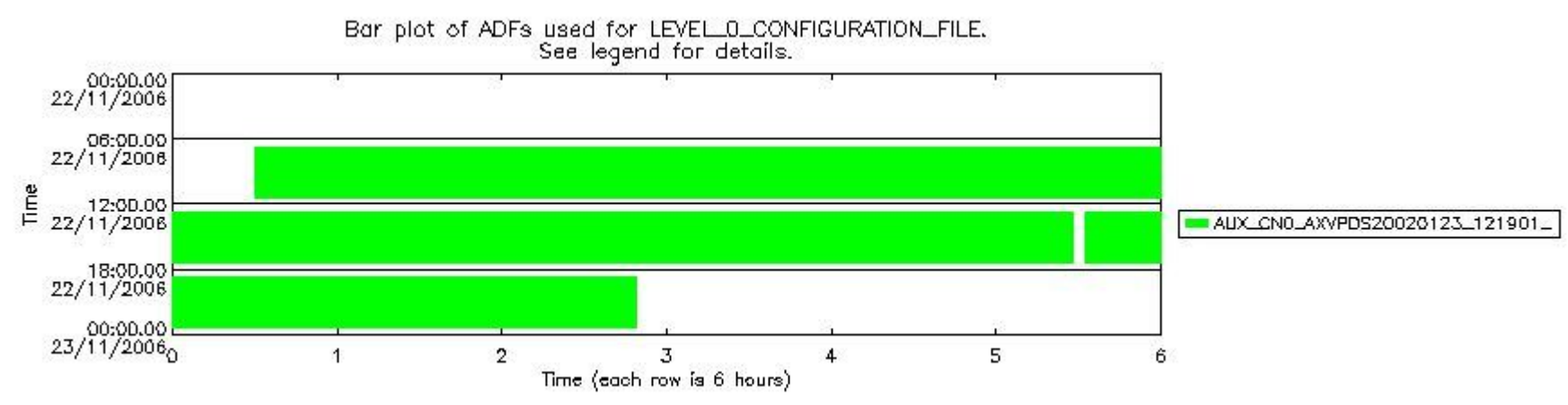
0.4 ADF monitoring

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

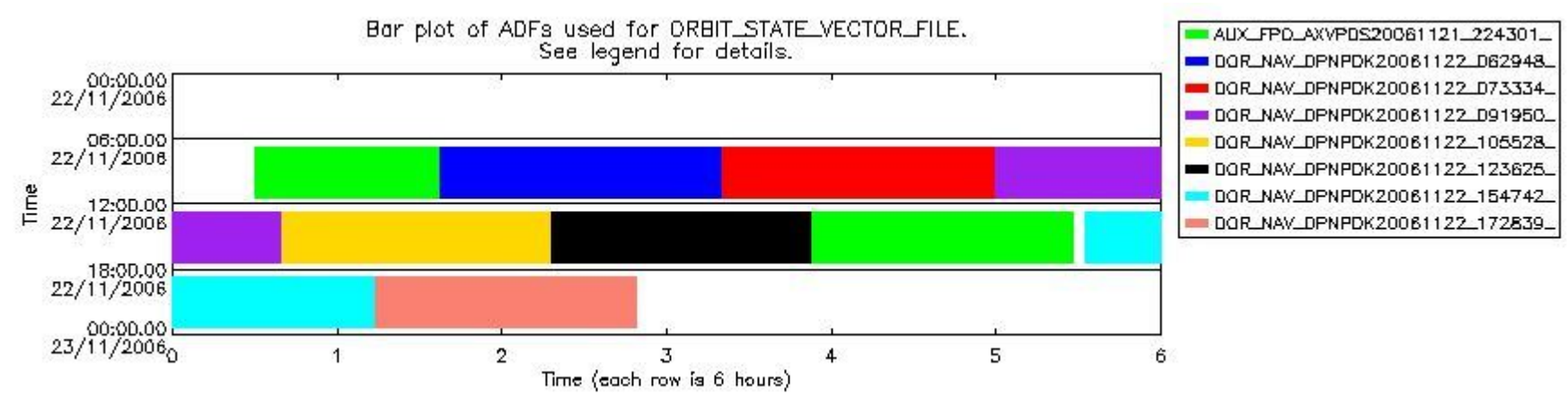
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

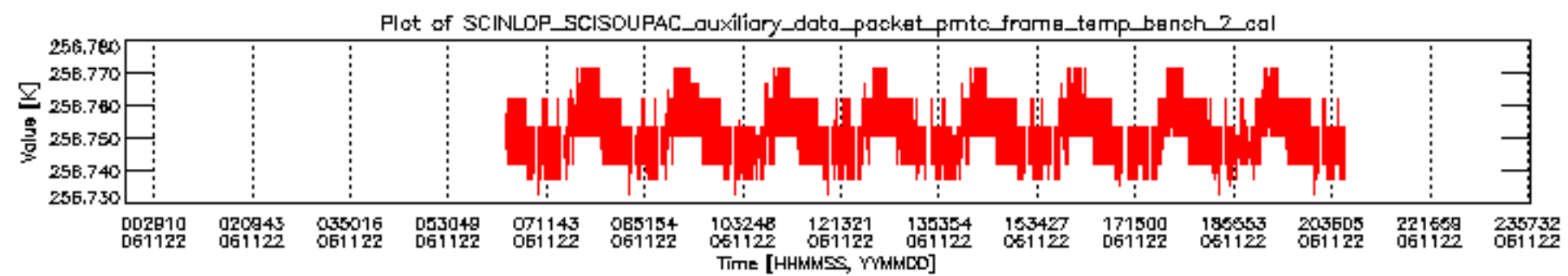
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20061121_224301_20061121_192719_20061201_205333
2	DOR_NAV_OPNPDK20061122_062948_000035062053_00120_24723_1471.N1
3	DOR_NAV_OPNPDK20061122_073334_000060572053_00121_24724_1472.N1
4	DOR_NAV_OPNPDK20061122_091950_000057382053_00122_24725_1473.N1
5	DOR_NAV_OPNPDK20061122_105528_000057382053_00123_24726_1474.N1
6	DOR_NAV_OPNPDK20061122_123625_000057382053_00124_24727_1475.N1
7	DOR_NAV_OPNPDK20061122_154742_000057382053_00126_24729_1477.N1
8	DOR_NAV_OPNPDK20061122_172839_000057382053_00127_24730_1478.N1

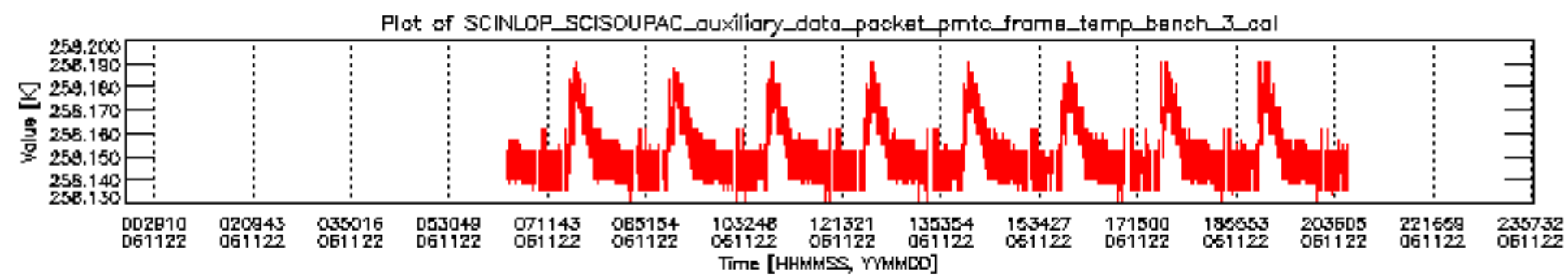


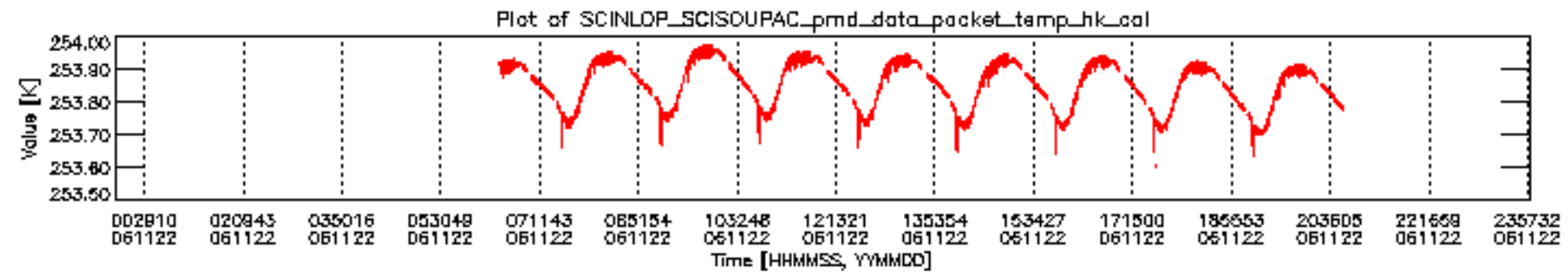
sciamachy_daily_report_level0_PFHS_5_37_N_20061122_7.PNG

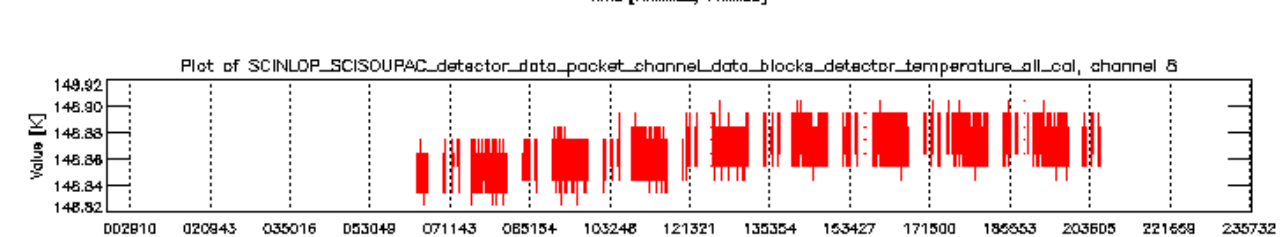
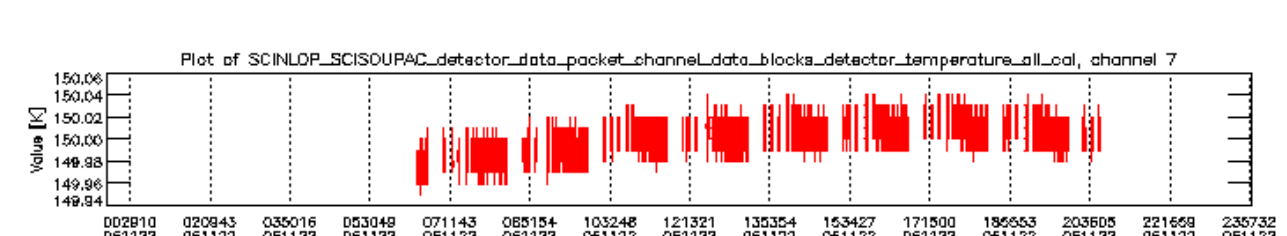
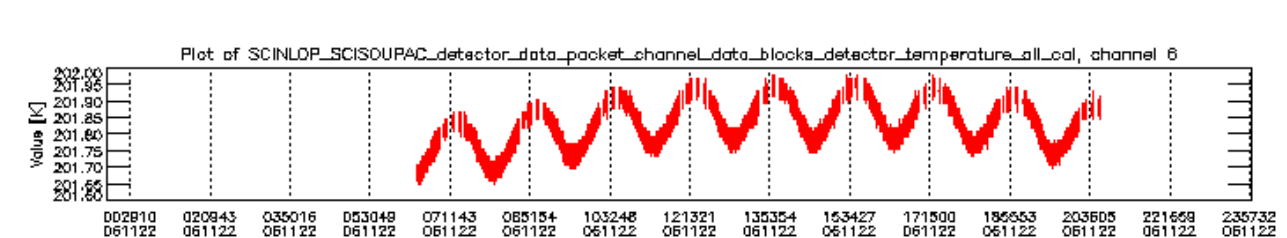
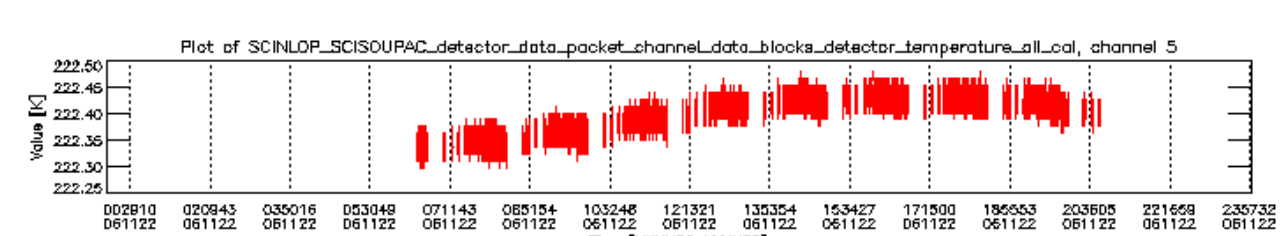
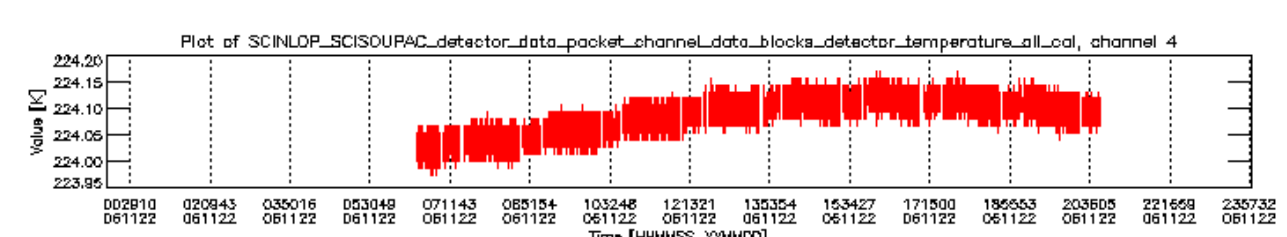
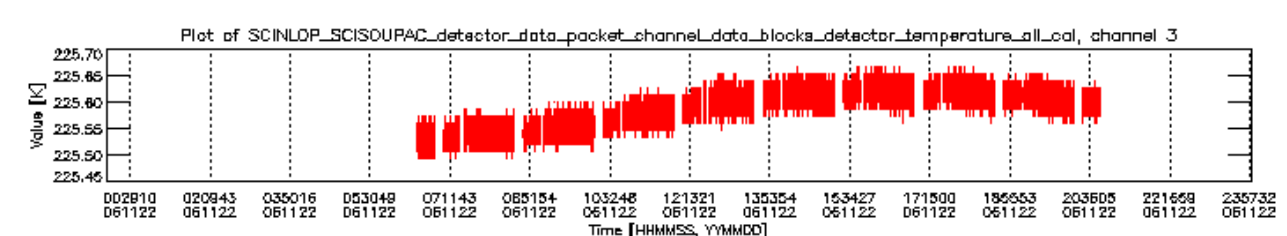
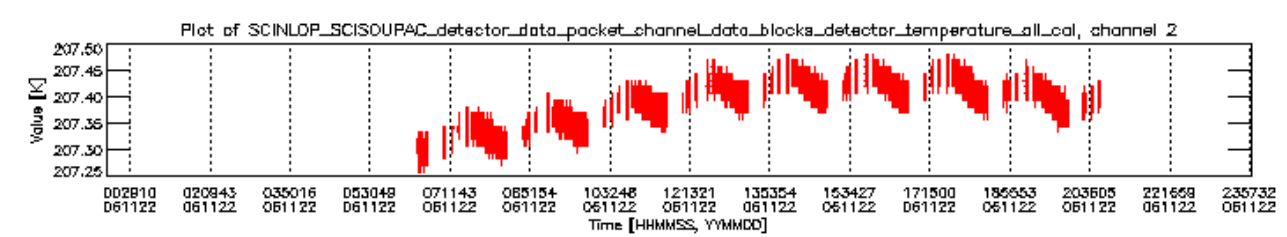
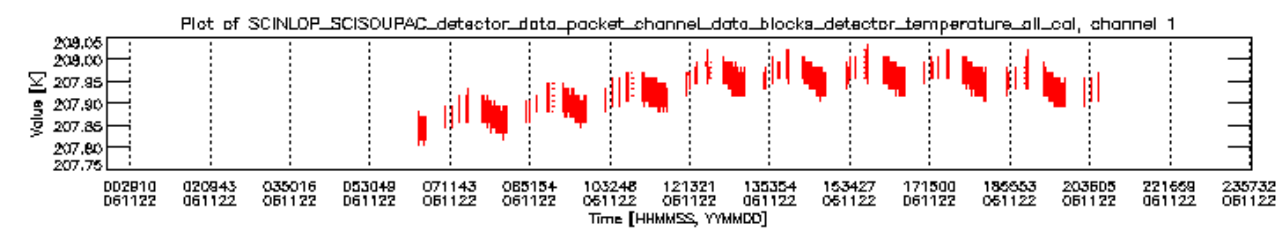


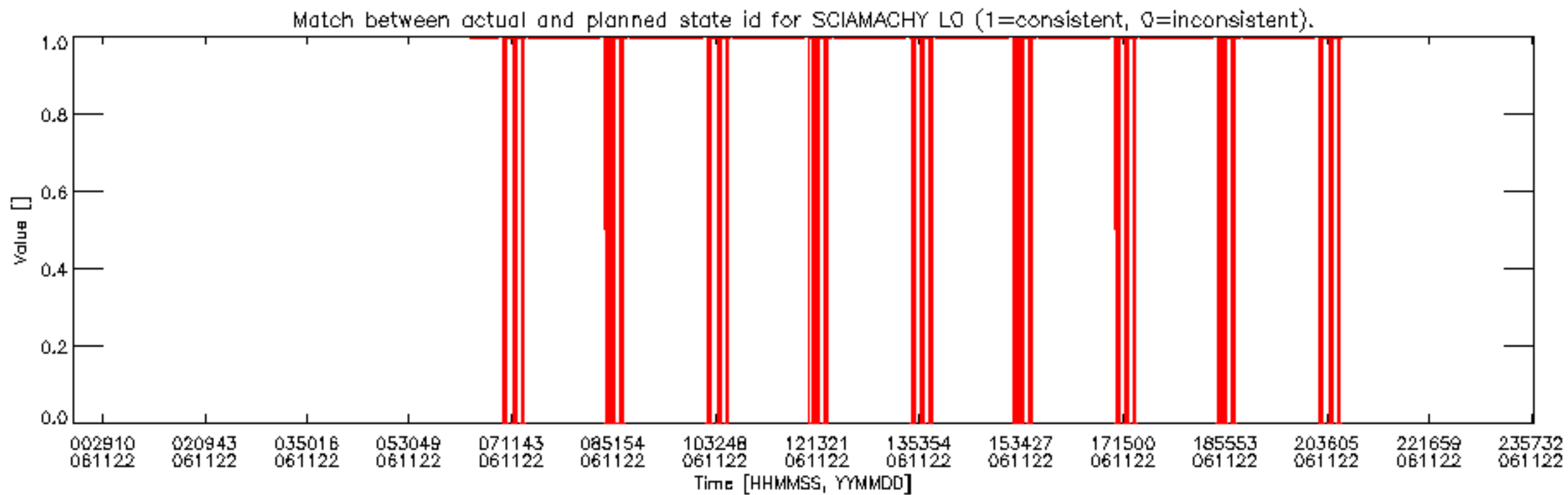
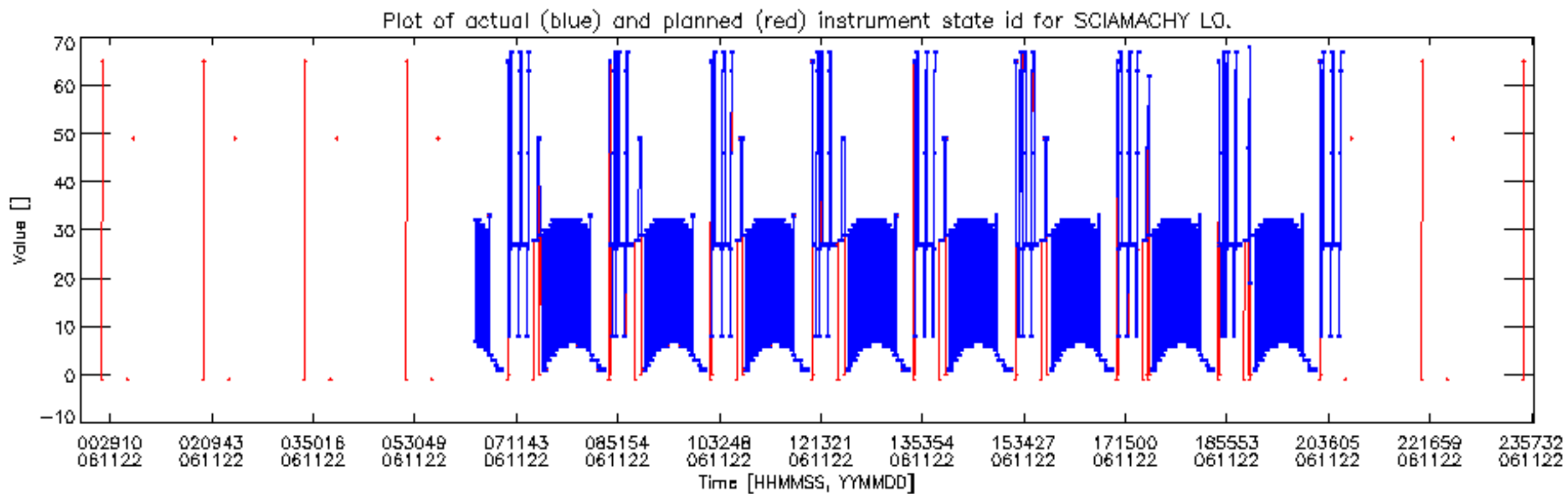
sciamachy_daily_report_level0_PFHS_5_37_N_20061122_8.PNG











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