

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	12NOV2006 05:10:45
Data source version	PFHS/5.37-N
Processing scope for products	08NOV2006 00:00:00 to 09NOV2006 00:00:00
Start time of first product within scope	08NOV2006 06:36:15
Stop time of last product within scope	08NOV2006 21:34:43
Total number of level 0 products	9
Number of level 0 products with errors	9

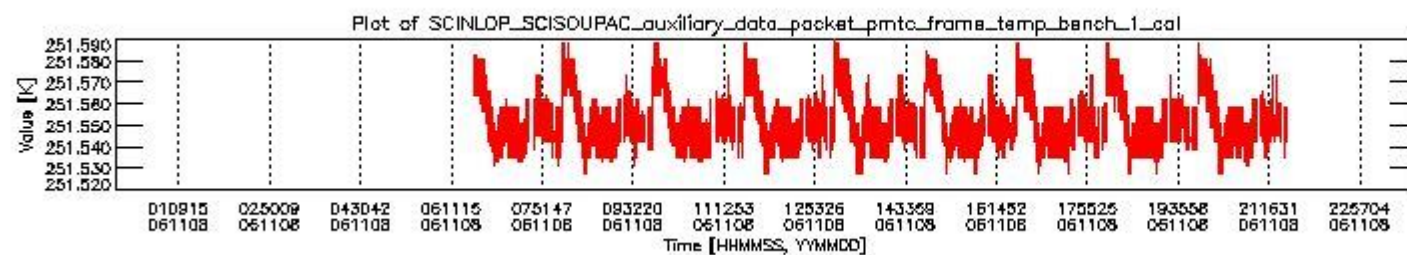
0.1.2 Summary per product

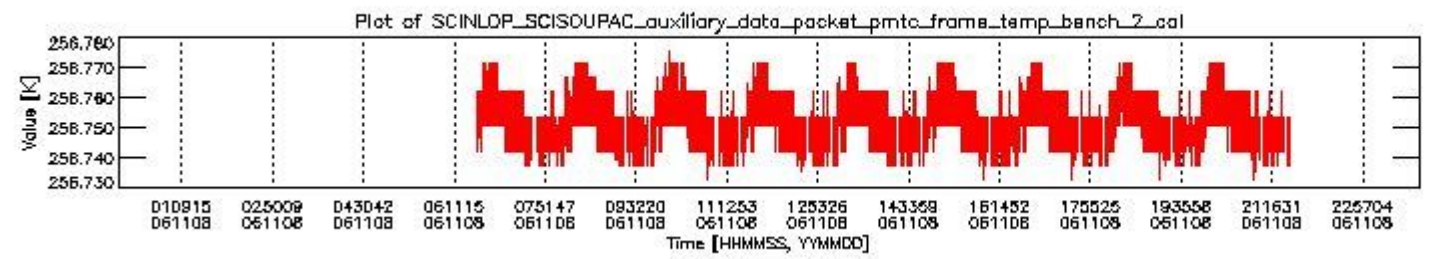
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20061108_063615_000062852052_00421_24523_1285.N1	08NOV2006 06:36:15	08NOV2006 08:21:00	1	0	1	0	0
1	SCI_NL__0PNPDK20061108_081856_000060922052_00422_24524_1286.N1	08NOV2006 08:18:56	08NOV2006 10:00:28	1	0	1	0	0
2	SCI_NL__0PNPDK20061108_095932_000060362052_00423_24525_1287.N1	08NOV2006 09:59:32	08NOV2006 11:40:08	1	0	1	0	0
3	SCI_NL__0PNPDK20061108_113912_000059672052_00424_24526_1288.N1	08NOV2006 11:39:12	08NOV2006 13:18:40	1	0	1	0	0
4	SCI_NL__0PNPDK20061108_131744_000057862052_00425_24527_1289.N1	08NOV2006 13:17:44	08NOV2006 14:54:11	1	0	1	0	0
5	SCI_NL__0PNPDK20061108_145411_000060362052_00426_24528_1290.N1	08NOV2006 14:54:11	08NOV2006 16:34:47	1	0	1	0	0
6	SCI_NL__0PNPDK20061108_163158_000060362052_00427_24529_1291.N1	08NOV2006 16:31:58	08NOV2006 18:12:35	1	0	1	0	0
7	SCI_NL__0PNPDK20061108_181139_000060362052_00428_24530_1292.N1	08NOV2006 18:11:39	08NOV2006 19:52:15	1	0	1	0	0
8	SCI_NL__0PNPDK20061108_195215_000061482052_00429_24531_1293.N1	08NOV2006 19:52:15	08NOV2006 21:34:43	1	0	1	0	0

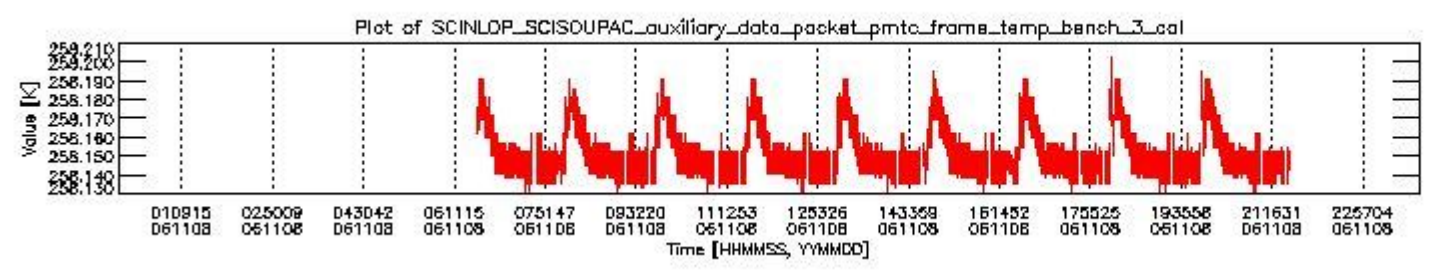
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

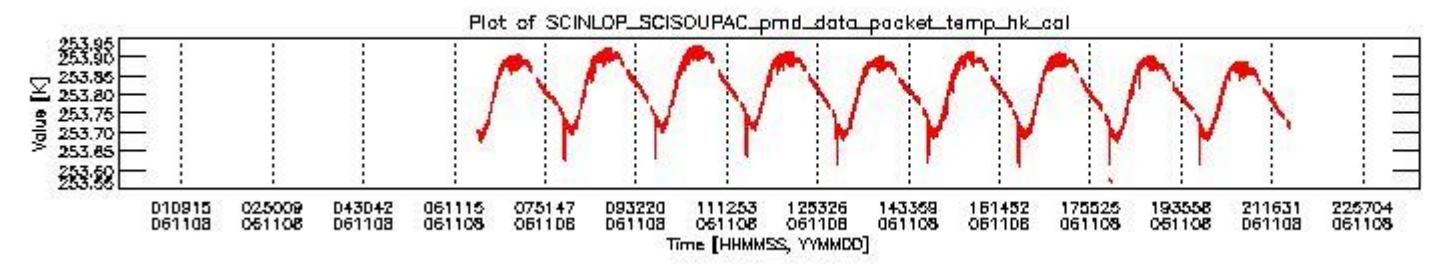




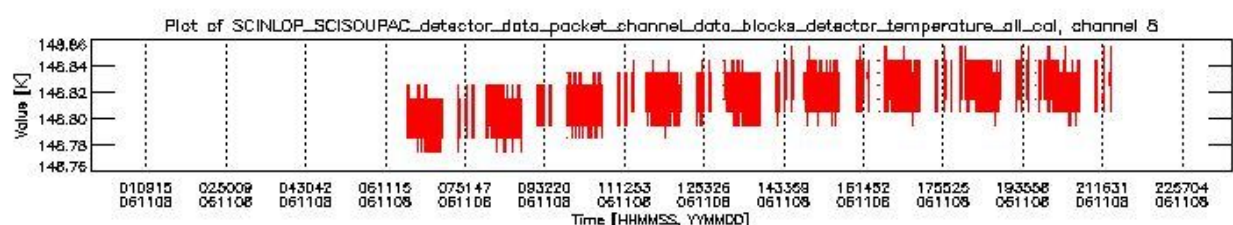
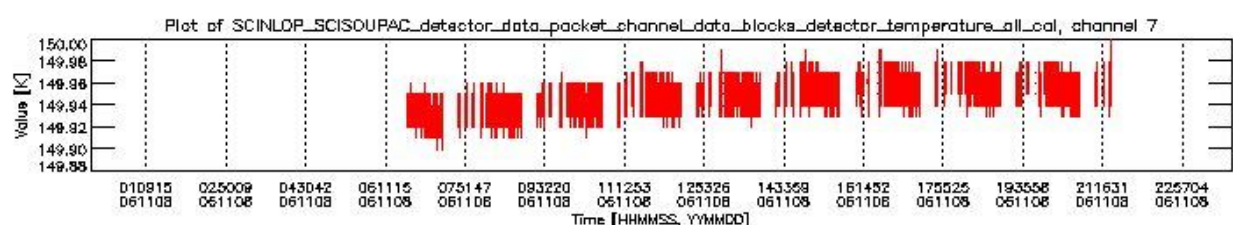
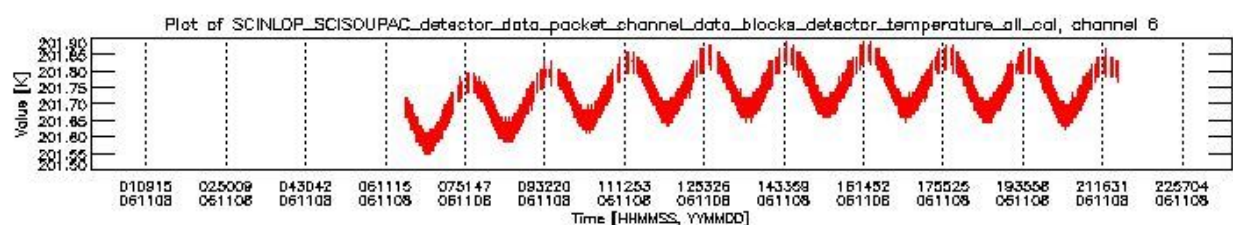
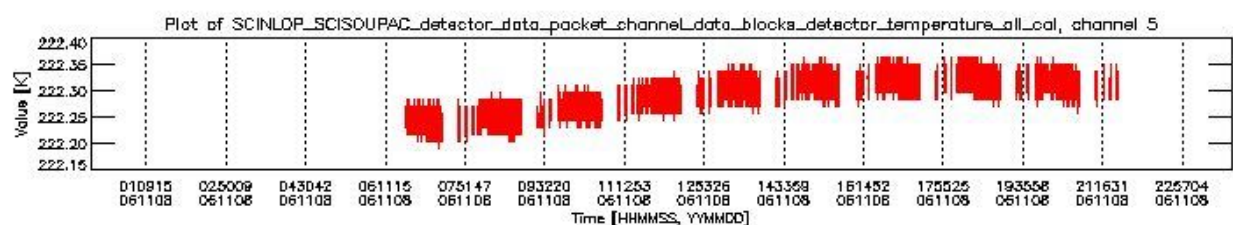
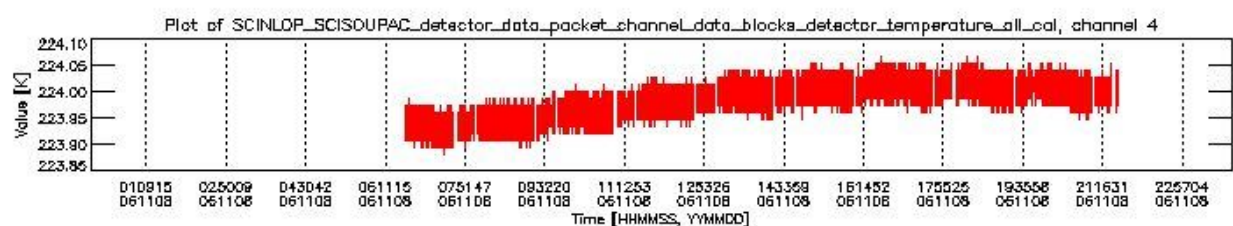
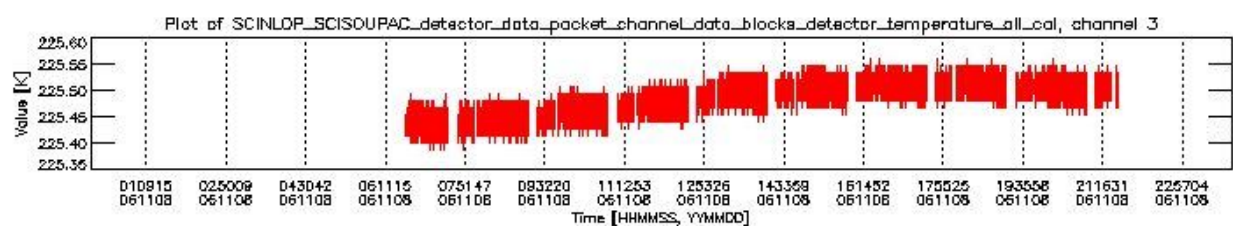
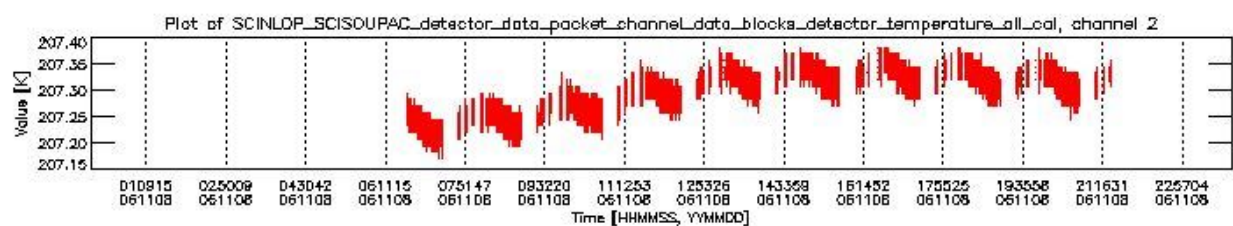
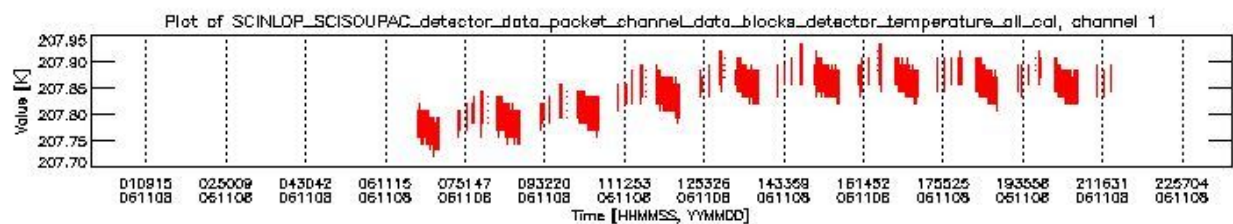
sciamachy_daily_report_level0_PFHS_5_37_N_20061108_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061108_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061108_3.PNG

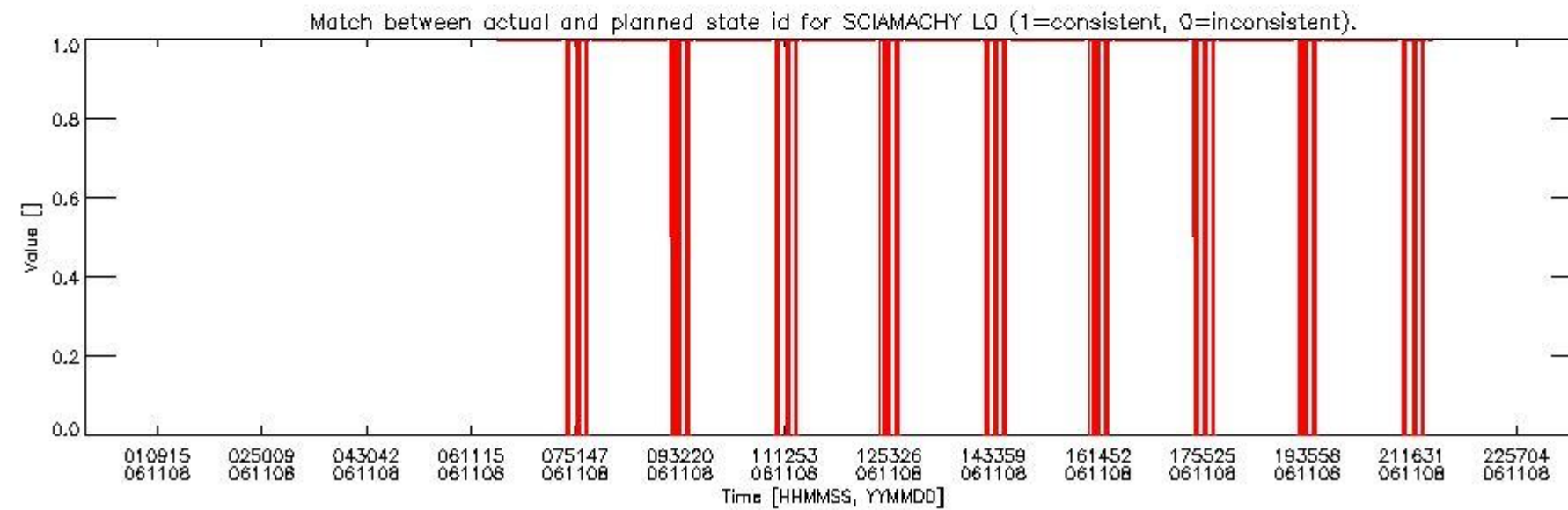
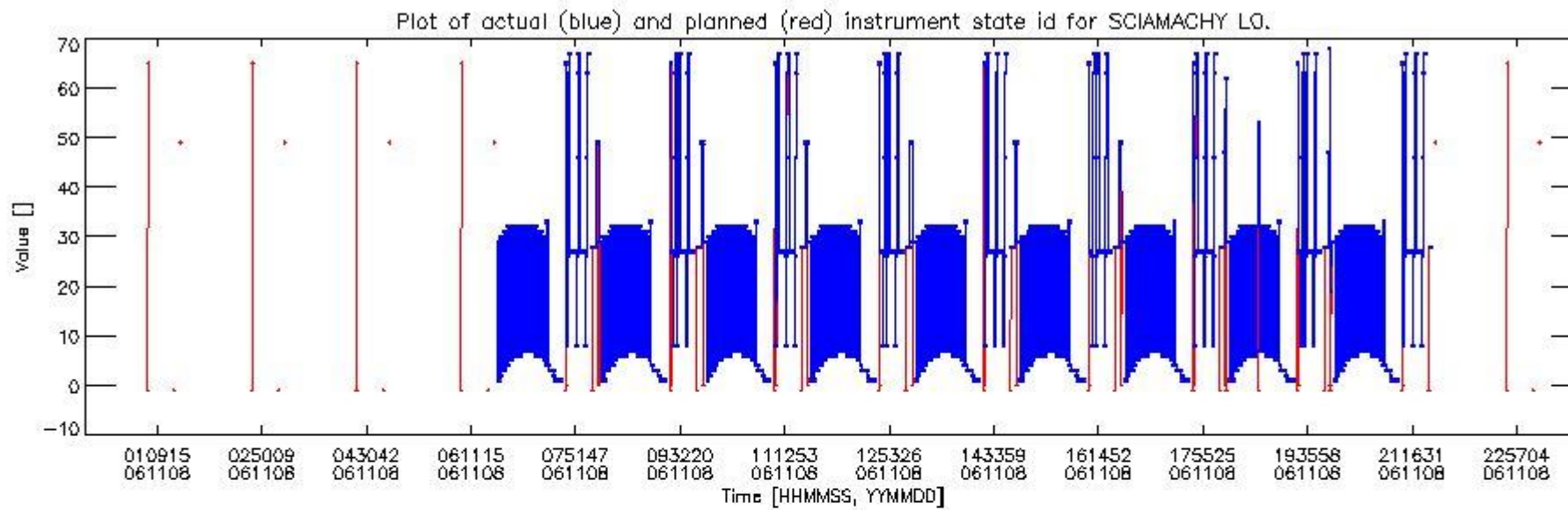


0.3 State monitoring

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: **161**

#	Actual time	Actual value	Planned time	Planned value
0	08NOV2006 07:43:02.880566	8	08NOV2006 07:43:02.880566	0
1	08NOV2006 07:43:46.439130	26	08NOV2006 07:43:46.439130	8
2	08NOV2006 07:44:20.001652	46	08NOV2006 07:44:20.001652	26
3	08NOV2006 07:44:33.560219	63	08NOV2006 07:44:33.560219	46
4	08NOV2006 07:45:07.118838	67	08NOV2006 07:45:07.118838	63
5	08NOV2006 07:46:30.677427	27	08NOV2006 07:46:30.677427	67
6	08NOV2006 07:52:23.150067	8	08NOV2006 07:52:23.150067	27
7	08NOV2006 07:53:06.704729	26	08NOV2006 07:53:06.704729	8
8	08NOV2006 07:53:40.267251	46	08NOV2006 07:53:40.267251	26
9	08NOV2006 07:53:53.821915	63	08NOV2006 07:53:53.821915	46
10	08NOV2006 07:54:27.384437	67	08NOV2006 07:54:27.384437	63
11	08NOV2006 07:55:50.946929	27	08NOV2006 07:55:50.946929	67
12	08NOV2006 08:00:59.357044	8	08NOV2006 08:00:59.357044	27
13	08NOV2006 08:01:42.915649	26	08NOV2006 08:01:42.915649	8
14	08NOV2006 08:02:16.474228	46	08NOV2006 08:02:16.474228	26
15	08NOV2006 08:02:30.028932	63	08NOV2006 08:02:30.028932	46
16	08NOV2006 08:03:03.591413	67	08NOV2006 08:03:03.591413	63
17	08NOV2006 09:23:39.161484	27	08NOV2006 09:23:39.161484	0
18	08NOV2006 09:25:51.337230	8	08NOV2006 09:25:51.337230	27
19	08NOV2006 09:26:34.895835	26	08NOV2006 09:26:34.895835	8

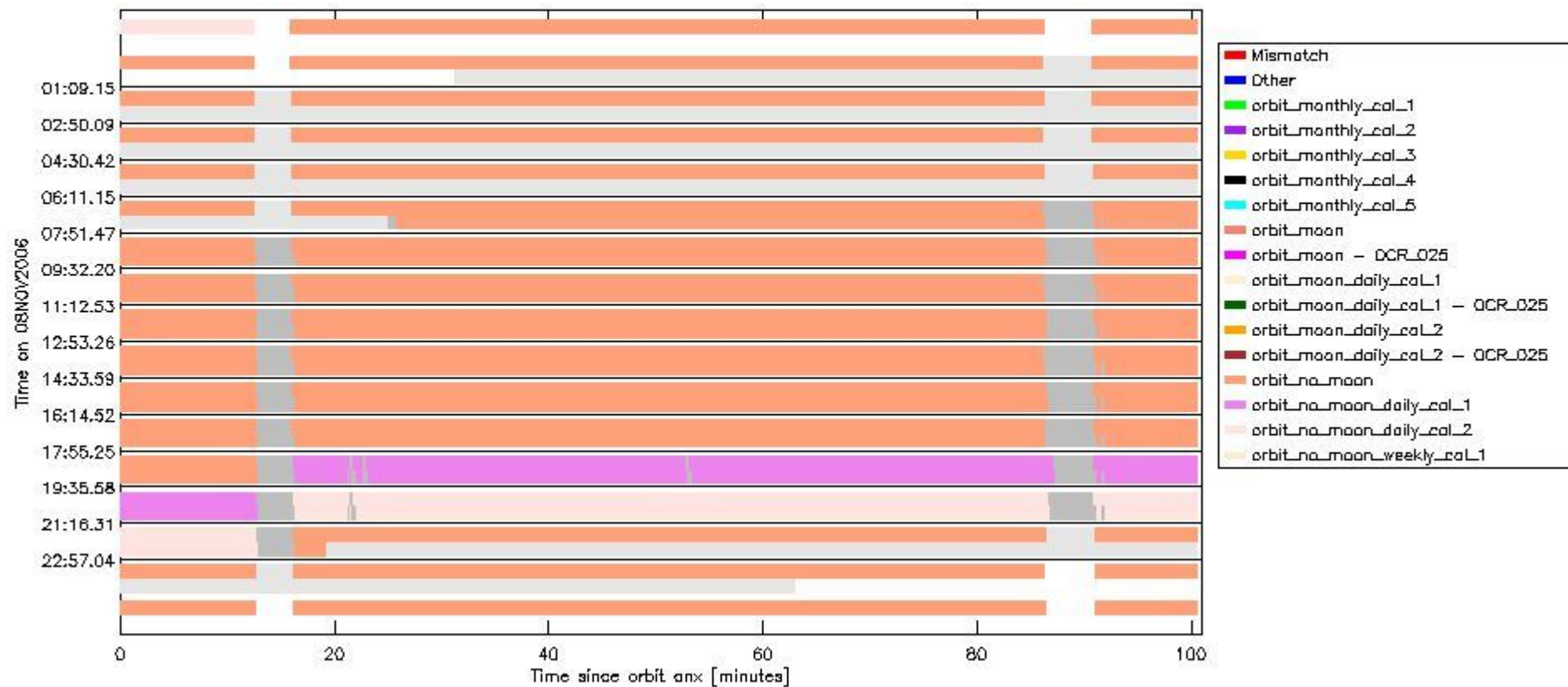


sciamachy_daily_report_level0_PFHS_5_37_N_20061108_5.PNG

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 08NOV2006.
 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_20061108_6.PNG

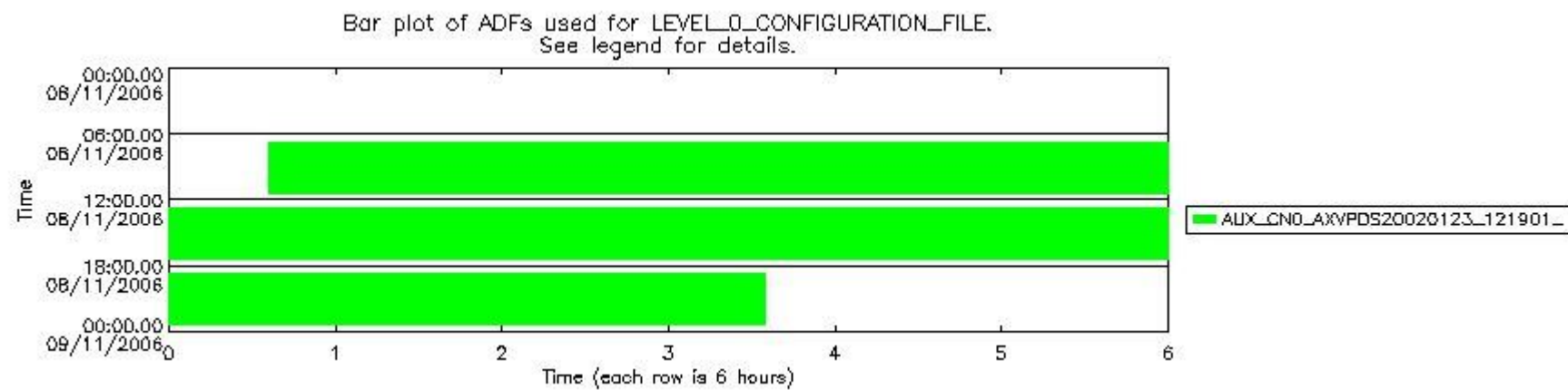
0.4 ADF monitoring

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

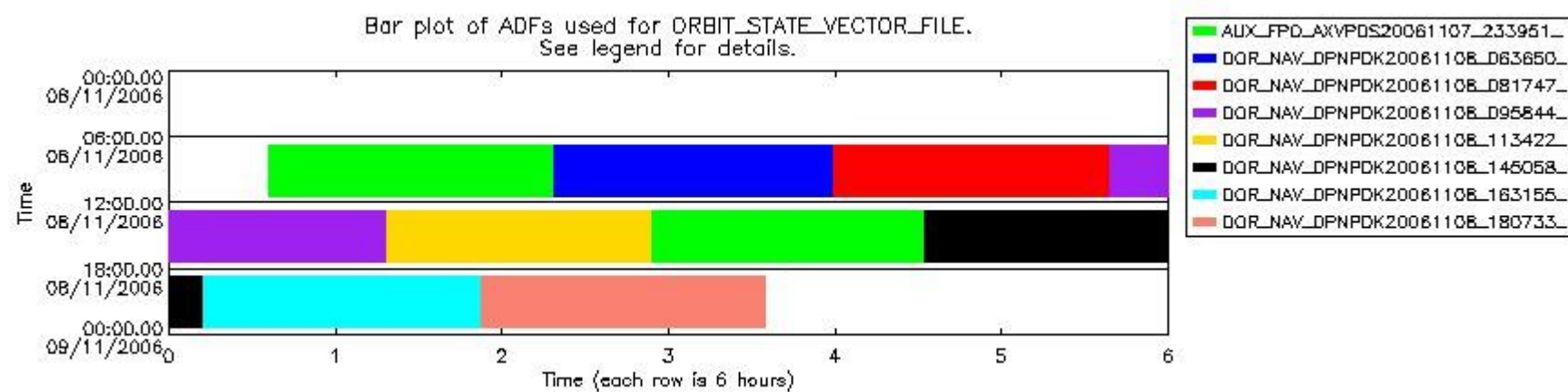
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

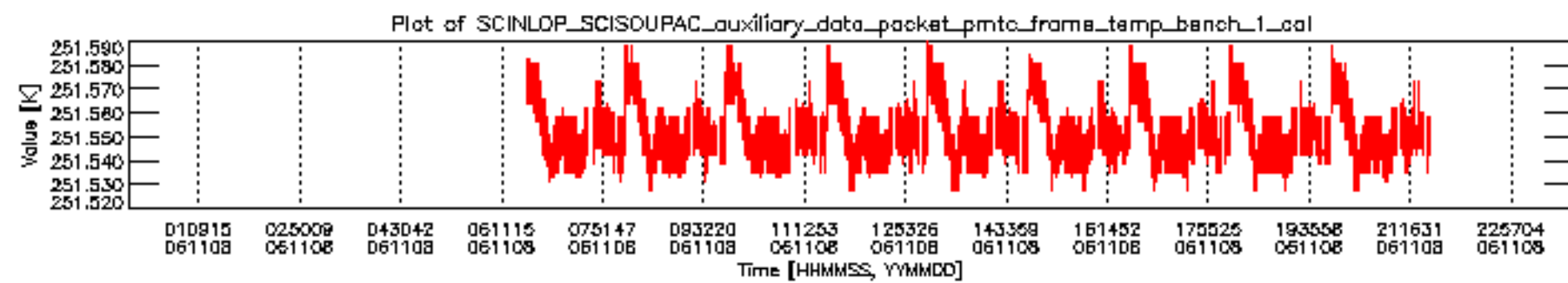
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20061107_233951_20061107_182658_20061117_213346
2	DOR_NAV_OPNPDK20061108_063650_000057382052_00421_24523_1340.N1
3	DOR_NAV_OPNPDK20061108_081747_000057382052_00422_24524_1341.N1
4	DOR_NAV_OPNPDK20061108_095844_000057382052_00423_24525_1342.N1
5	DOR_NAV_OPNPDK20061108_113422_000057382052_00424_24526_1343.N1
6	DOR_NAV_OPNPDK20061108_145058_000057382052_00426_24528_1345.N1
7	DOR_NAV_OPNPDK20061108_163155_000054192052_00427_24529_1346.N1
8	DOR_NAV_OPNPDK20061108_180733_000057382052_00428_24530_1347.N1

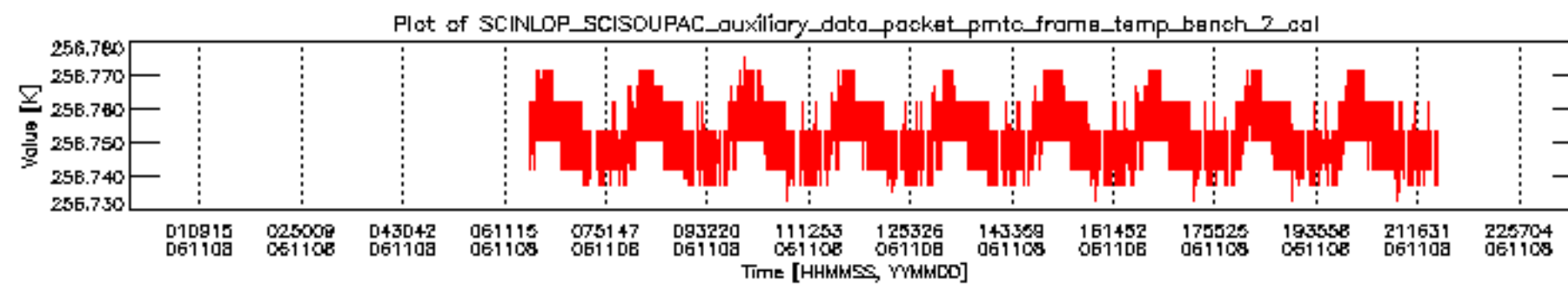


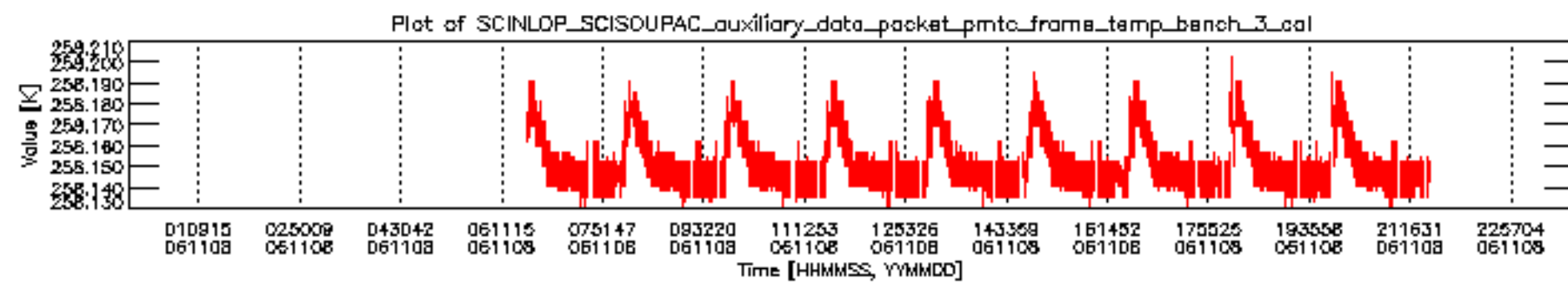
sciamachy_daily_report_level0_PPHS_5_37_N_20061108_7.PNG

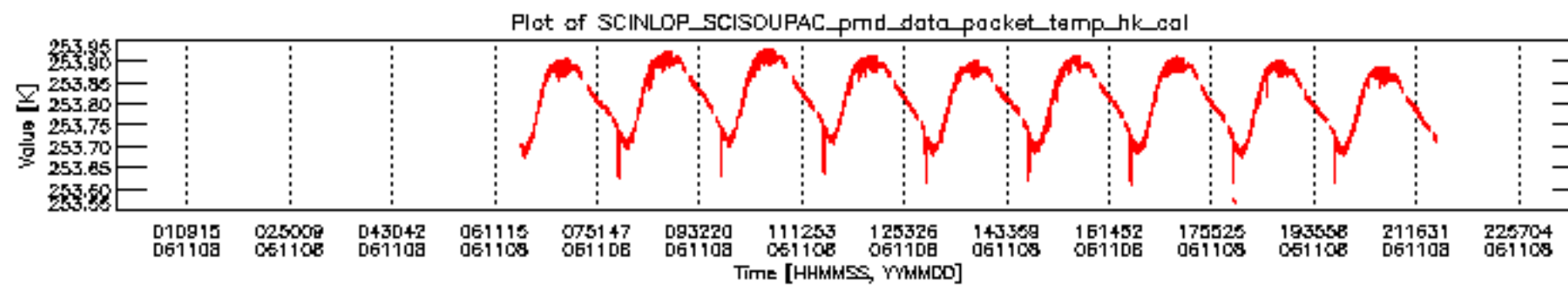


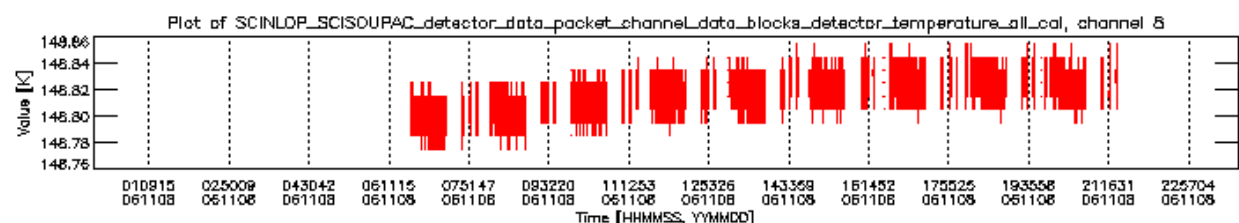
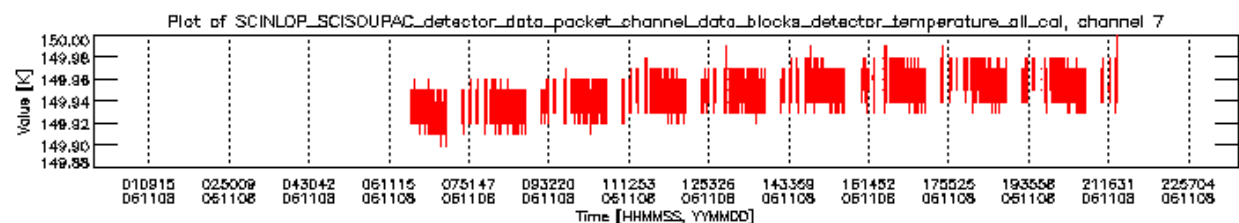
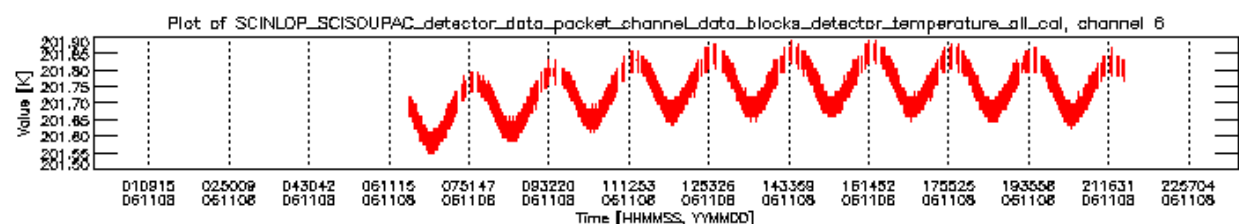
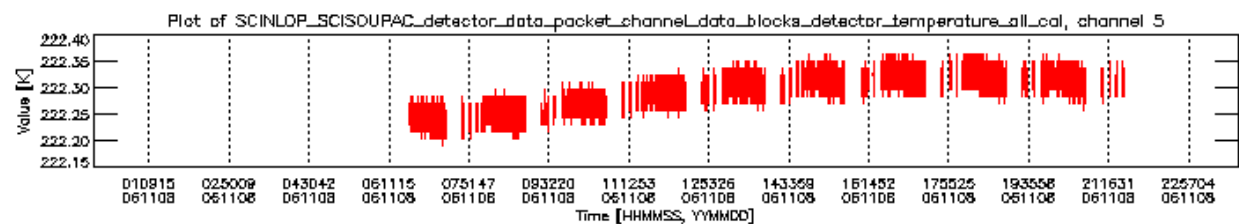
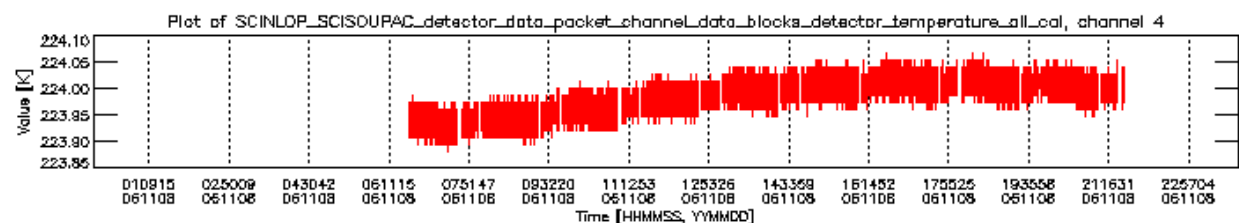
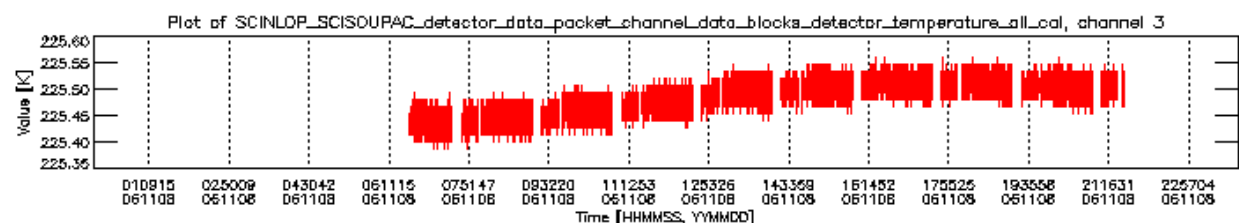
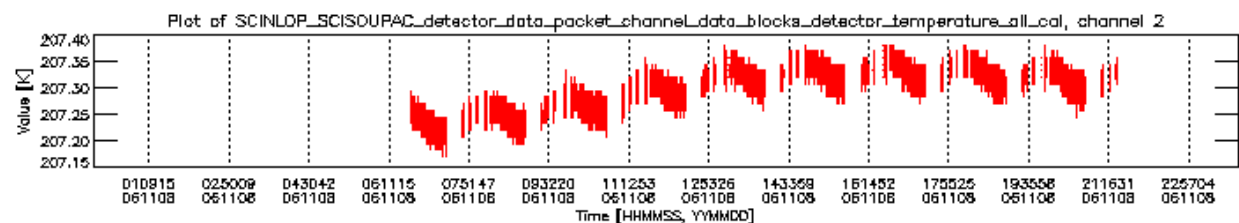
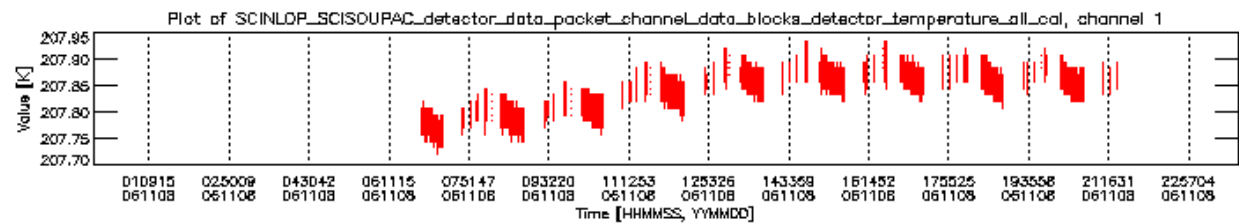
sciamachy_daily_report_level0_PPHS_5_37_N_20061108_8.PNG

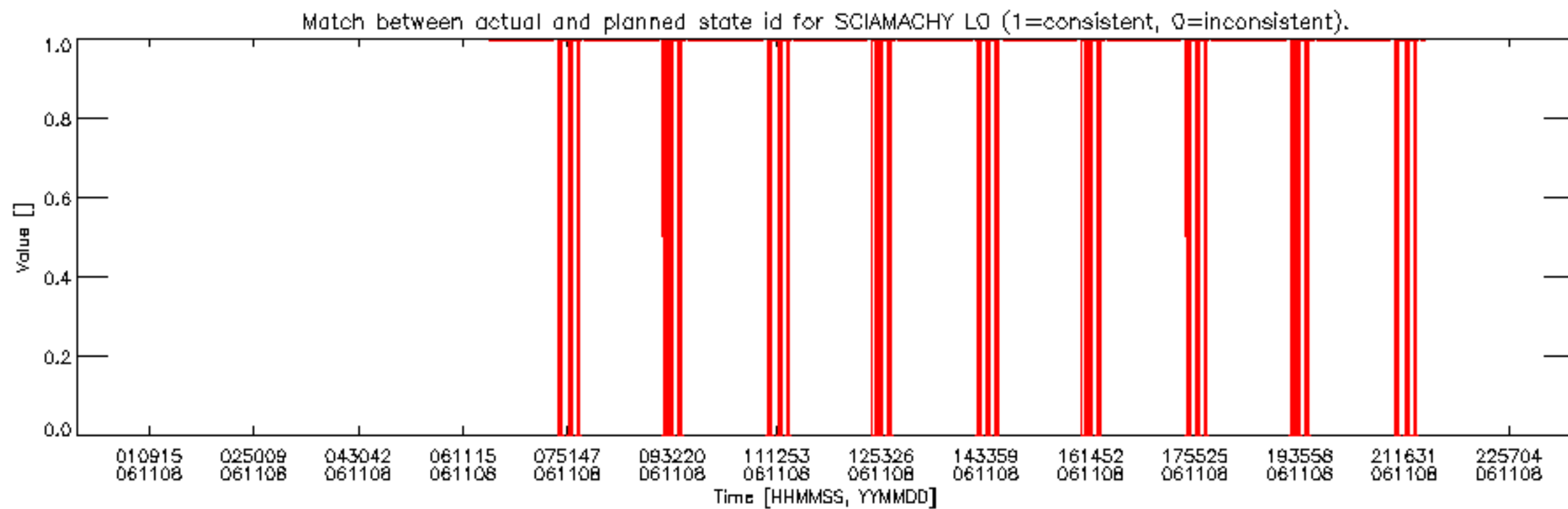
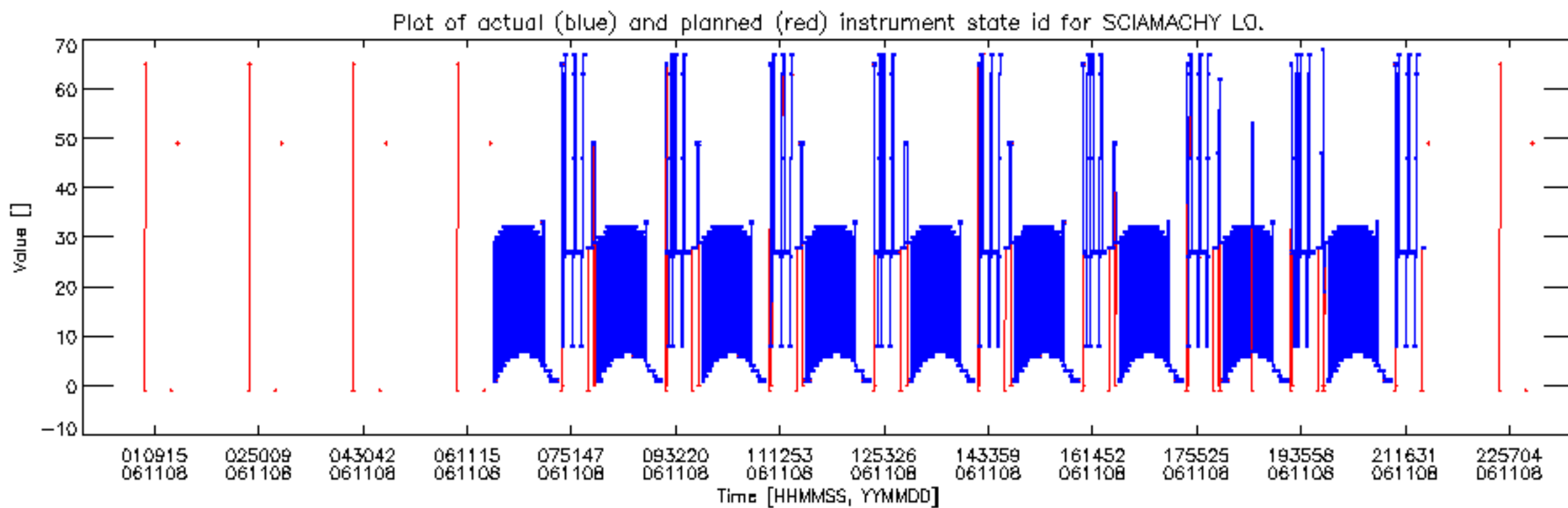












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