

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	21NOV2006 09:11:09
Data source version	PFHS/5.37-N
Processing scope for products	16NOV2006 00:00:00 to 17NOV2006 00:00:00
Start time of first product within scope	16NOV2006 06:19:16
Stop time of last product within scope	16NOV2006 20:41:46
Total number of level 0 products	9
Number of level 0 products with errors	9

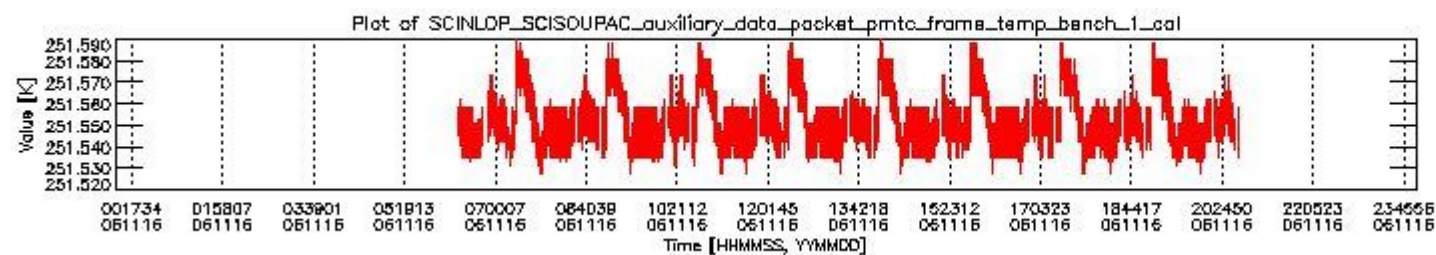
0.1.2 Summary per product

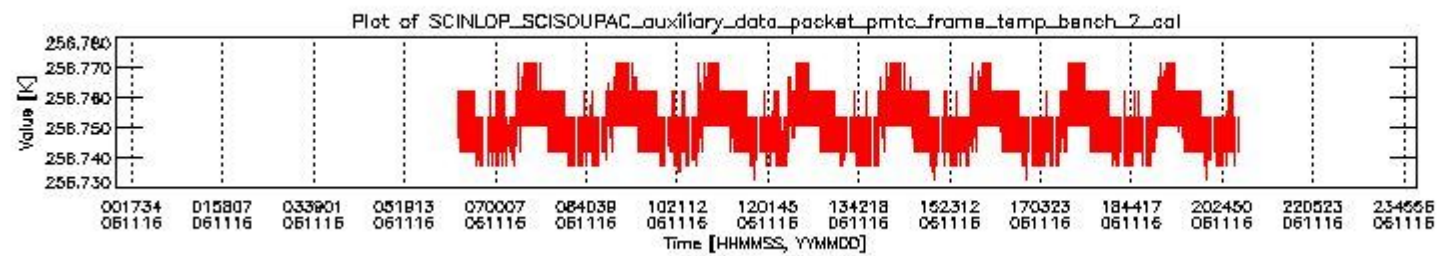
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20061116_061916_000040582053_00034_24637_1380.N1	16NOV2006 06:19:16	16NOV2006 07:26:54	1	0	1	0	0
1	SCI_NL__0PNPDK20061116_072546_000062162053_00035_24638_1381.N1	16NOV2006 07:25:46	16NOV2006 09:09:22	1	0	1	0	0
2	SCI_NL__0PNPDK20061116_090826_000060362053_00036_24639_1382.N1	16NOV2006 09:08:26	16NOV2006 10:49:02	1	0	1	0	0
3	SCI_NL__0PNPDK20061116_104807_000059672053_00037_24640_1383.N1	16NOV2006 10:48:07	16NOV2006 12:27:34	1	0	1	0	0
4	SCI_NL__0PNPDK20061116_122638_000059802053_00038_24641_1384.N1	16NOV2006 12:26:38	16NOV2006 14:06:19	1	0	1	0	0
5	SCI_NL__0PNPDK20061116_140523_000058982053_00039_24642_1385.N1	16NOV2006 14:05:23	16NOV2006 15:43:41	1	0	1	0	0
6	SCI_NL__0PNPDK20061116_154341_000059232053_00040_24643_1386.N1	16NOV2006 15:43:41	16NOV2006 17:22:25	1	0	1	0	0
7	SCI_NL__0PNPDK20061116_172129_000059802053_00041_24644_1387.N1	16NOV2006 17:21:29	16NOV2006 19:01:09	1	0	1	0	0
8	SCI_NL__0PNPDK20061116_190109_000060362053_00042_24645_1388.N1	16NOV2006 19:01:09	16NOV2006 20:41:46	1	0	1	0	0

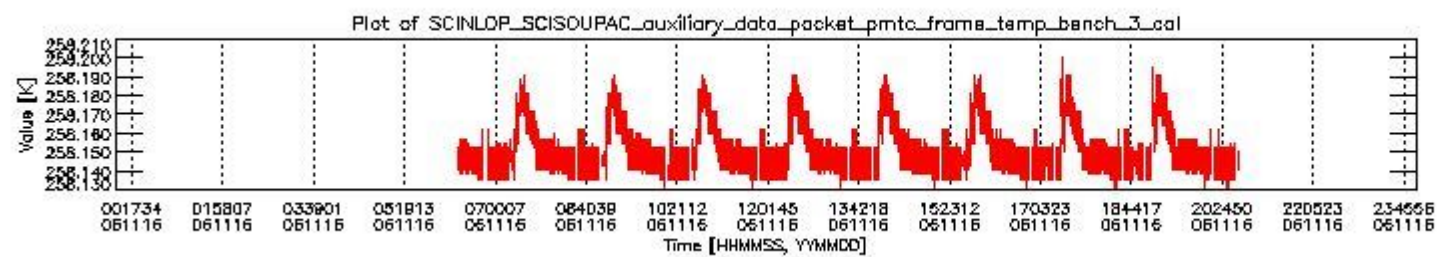
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

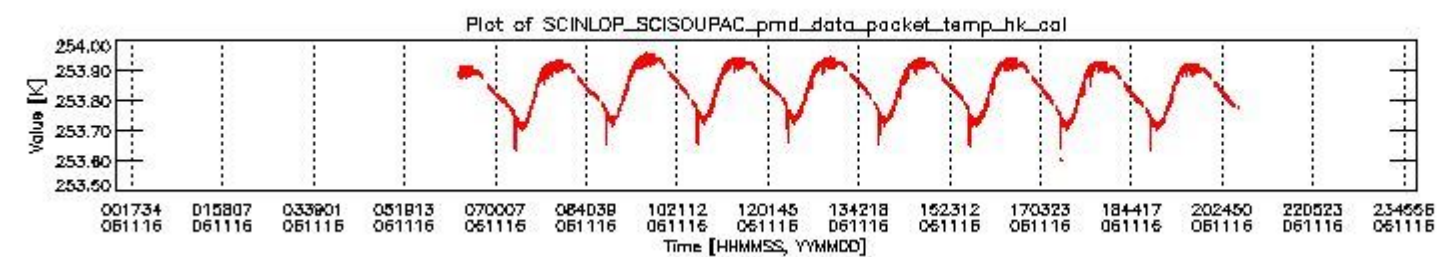




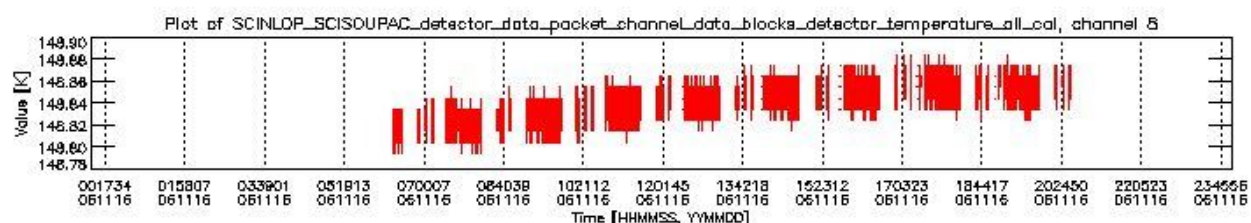
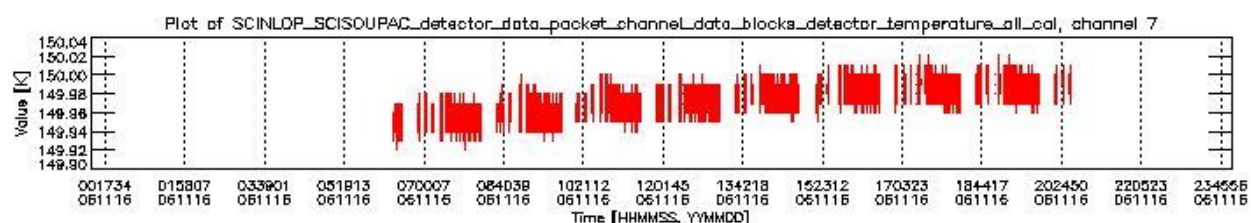
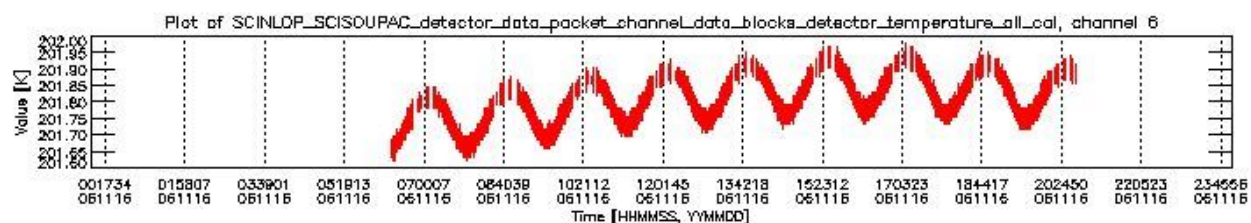
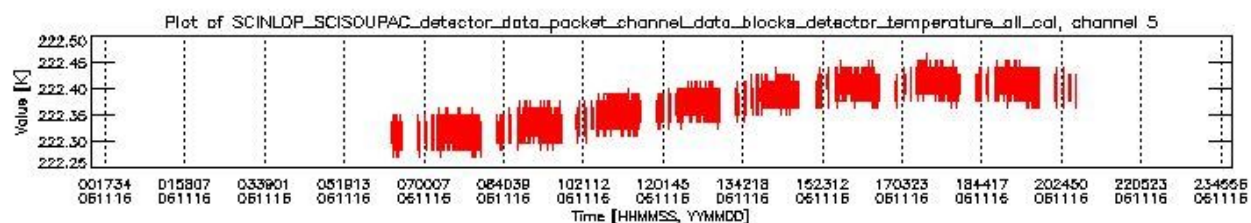
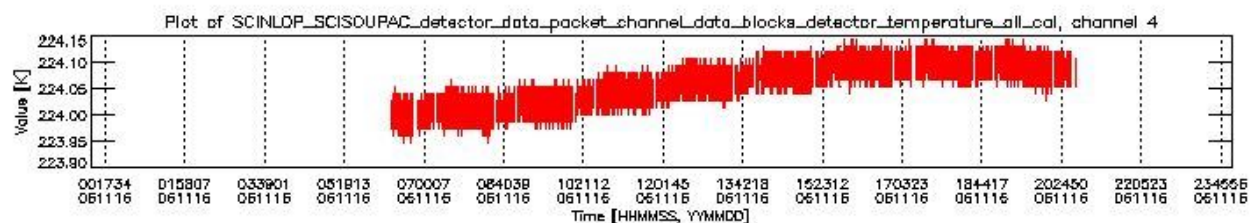
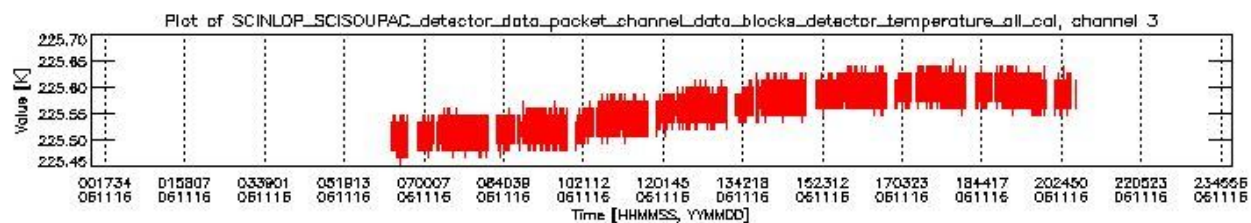
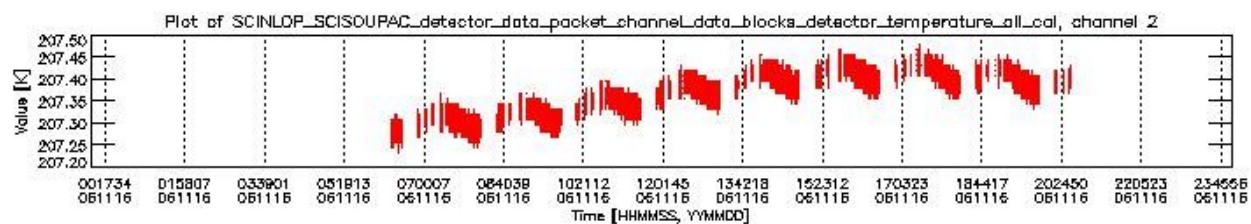
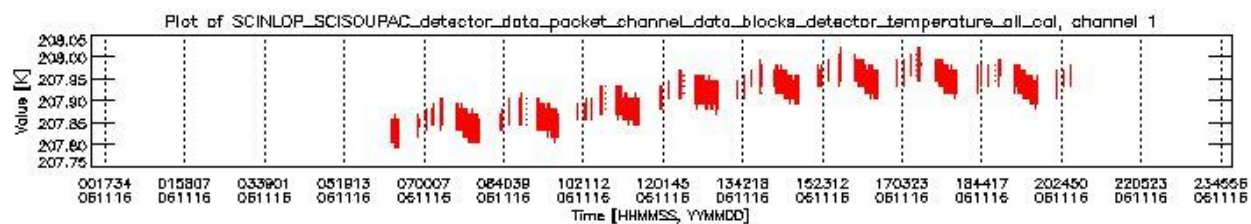
sciamachy_daily_report_level0_PFHS_5_37_N_20061116_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061116_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061116_3.PNG

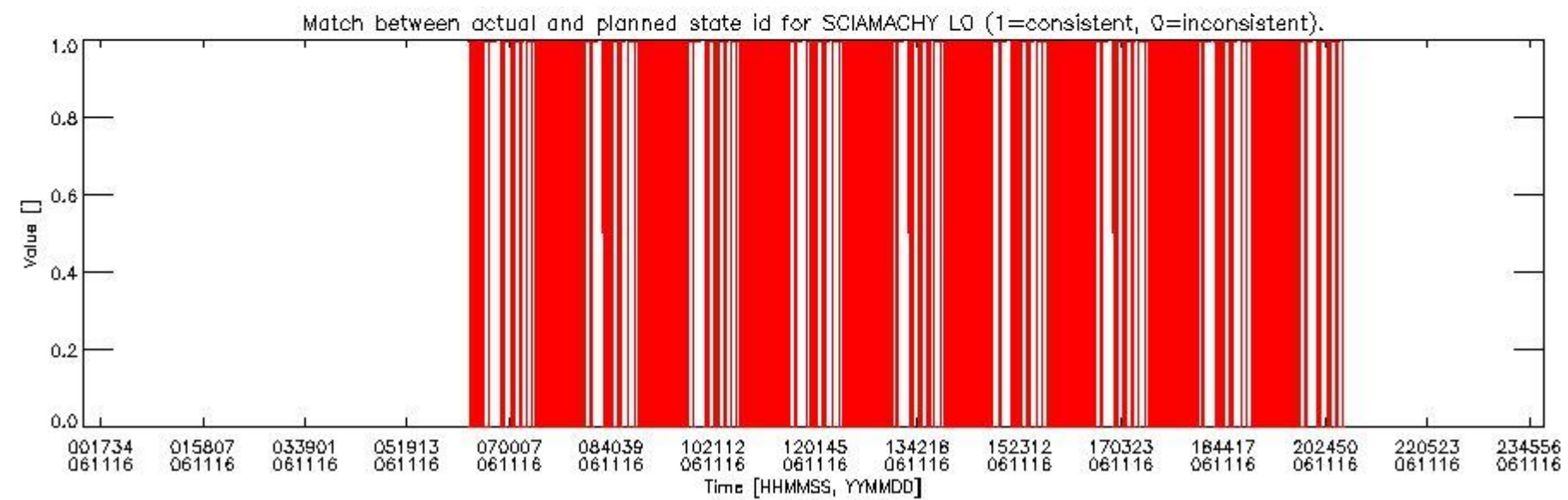
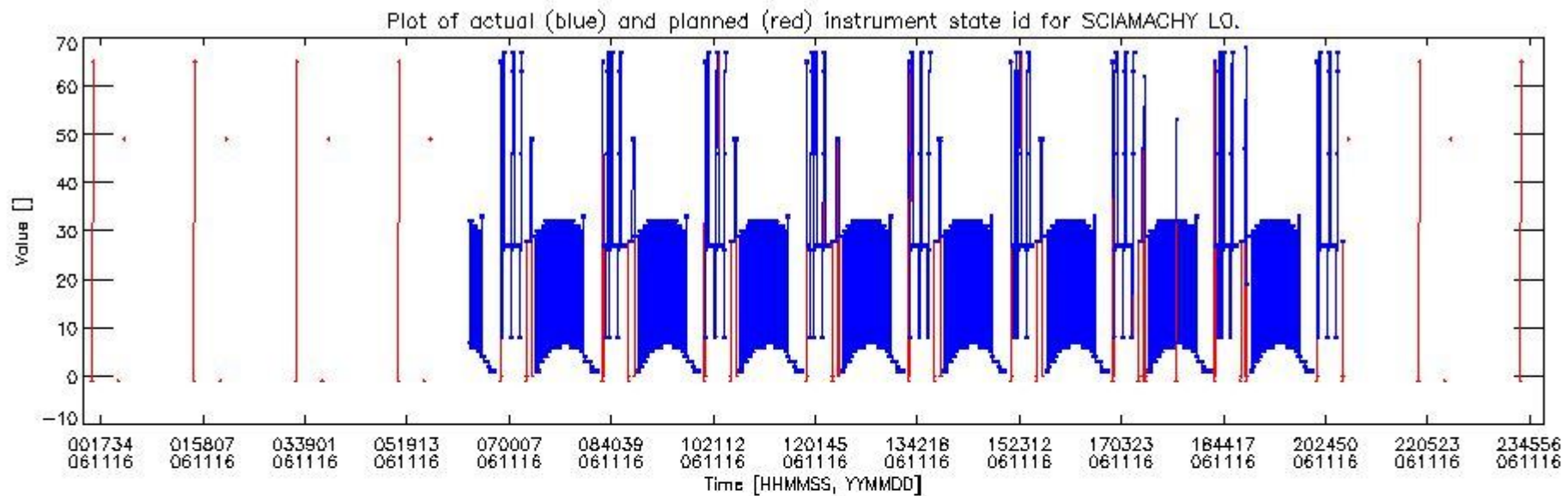


0.3 State monitoring

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: **1165**

#	Actual time	Actual value	Planned time	Planned value
0	16NOV2006 06:20:25.113049	32	16NOV2006 06:20:25.113049	7
1	16NOV2006 06:21:20.984160	6	16NOV2006 06:21:20.984160	32
2	16NOV2006 06:21:21.359173	6	16NOV2006 06:21:21.359173	32
3	16NOV2006 06:22:29.538848	32	16NOV2006 06:22:29.538848	6
4	16NOV2006 06:23:25.413821	6	16NOV2006 06:23:25.413821	32
5	16NOV2006 06:23:25.788834	6	16NOV2006 06:23:25.788834	32
6	16NOV2006 06:24:33.968509	31	16NOV2006 06:24:33.968509	6
7	16NOV2006 06:25:29.843523	6	16NOV2006 06:25:29.843523	31
8	16NOV2006 06:25:30.218536	6	16NOV2006 06:25:30.218536	31
9	16NOV2006 06:26:38.398210	31	16NOV2006 06:26:38.398210	6
10	16NOV2006 06:27:34.273184	6	16NOV2006 06:27:34.273184	31
11	16NOV2006 06:27:34.648197	6	16NOV2006 06:27:34.648197	31
12	16NOV2006 06:28:42.831774	30	16NOV2006 06:28:42.831774	6
13	16NOV2006 06:29:38.698982	5	16NOV2006 06:29:38.698982	30
14	16NOV2006 06:29:38.948991	5	16NOV2006 06:29:38.948991	30
15	16NOV2006 06:29:39.073995	5	16NOV2006 06:29:39.073995	30
16	16NOV2006 06:30:47.257572	30	16NOV2006 06:30:47.257572	5
17	16NOV2006 06:31:43.132546	4	16NOV2006 06:31:43.132546	30
18	16NOV2006 06:31:43.382555	4	16NOV2006 06:31:43.382555	30
19	16NOV2006 06:31:43.507559	4	16NOV2006 06:31:43.507559	30
...

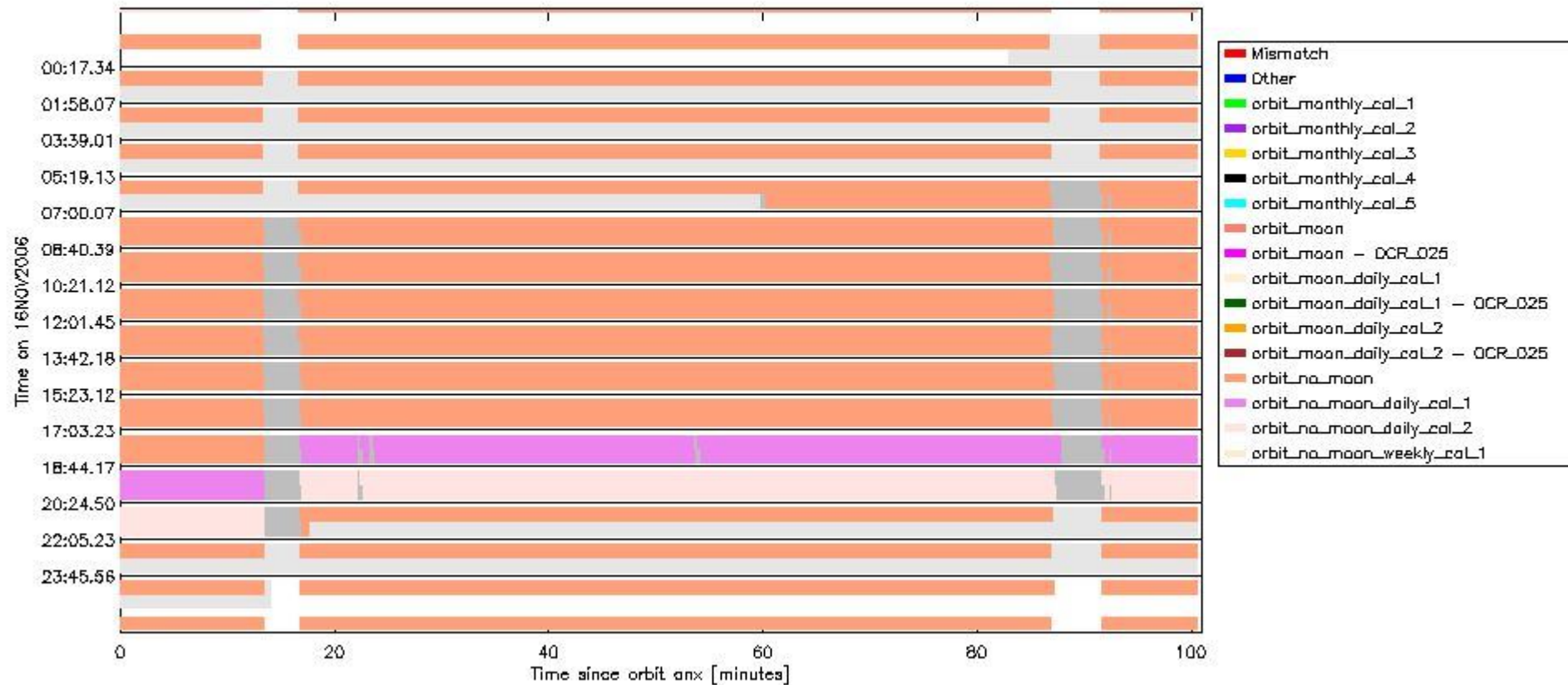


sciamachy_daily_report_level0_PFHS_5_37_N_20061116_5.PNG

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 16NOV2006.
 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_20061116_6.PNG

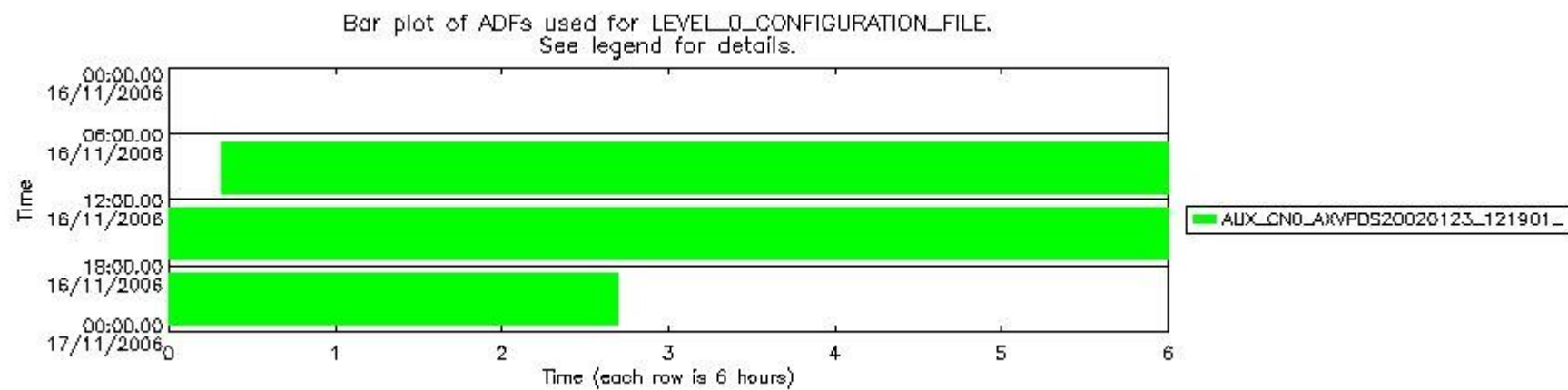
0.4 ADF monitoring

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

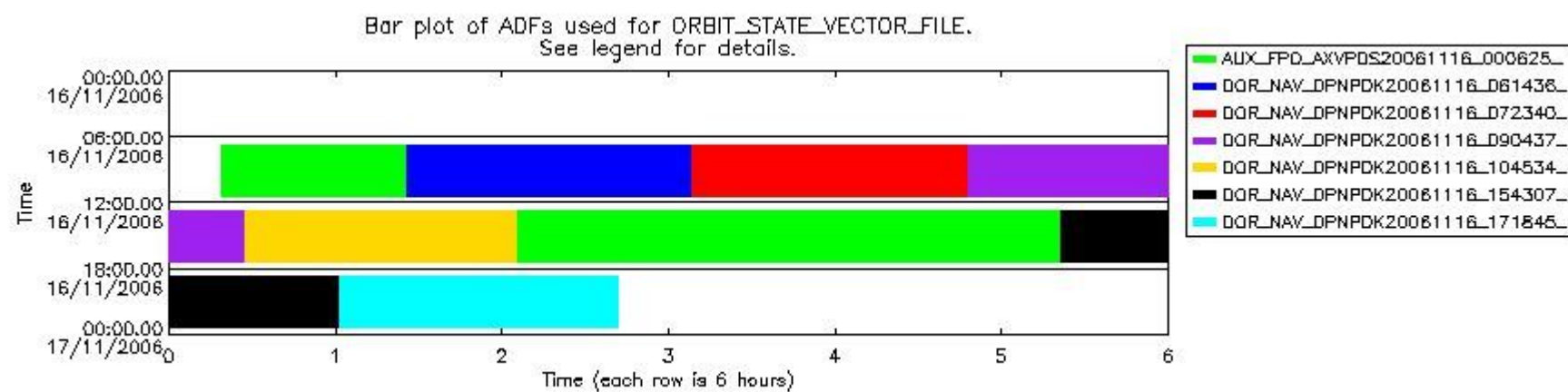
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

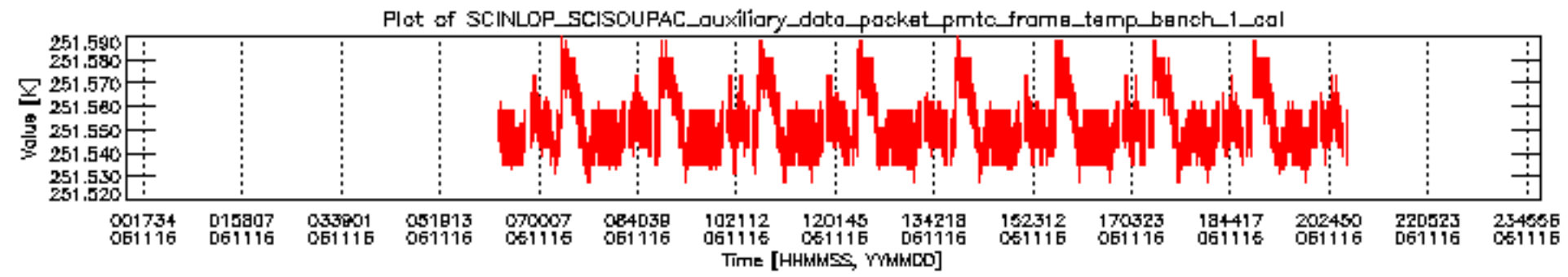
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20061116_000625_20061115_191549_20061125_204203
2	DOR_NAV_OPNPDK20061116_061436_000038252053_00034_24637_1419.N1
3	DOR_NAV_OPNPDK20061116_072340_000060572053_00035_24638_1420.N1
4	DOR_NAV_OPNPDK20061116_090437_000057382053_00036_24639_1421.N1
5	DOR_NAV_OPNPDK20061116_104534_000057382053_00037_24640_1422.N1
6	DOR_NAV_OPNPDK20061116_154307_000054192053_00040_24643_1425.N1
7	DOR_NAV_OPNPDK20061116_171845_000057382053_00041_24644_1426.N1

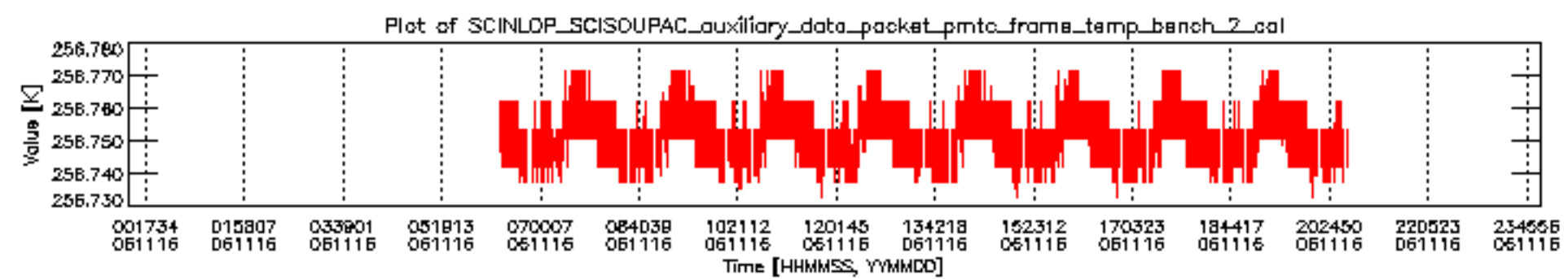


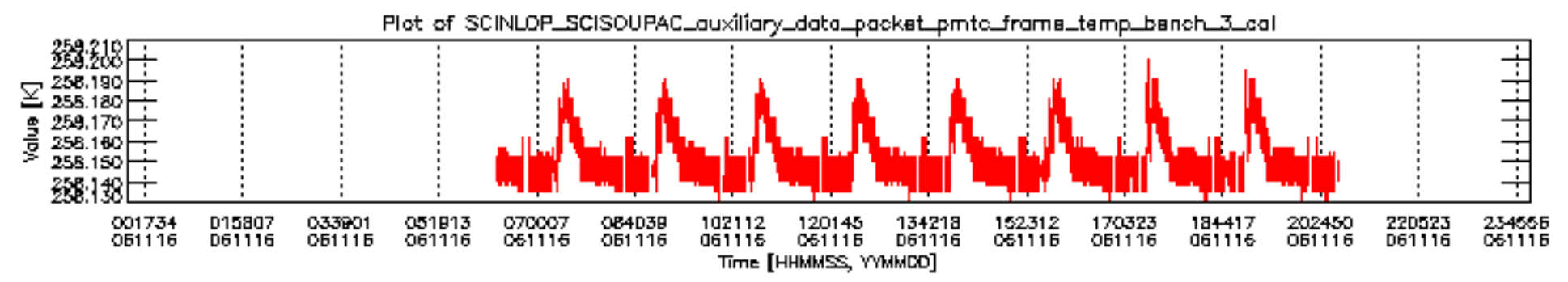
sciamachy_daily_report_level0_PPHS_5_37_N_20061116_7.PNG

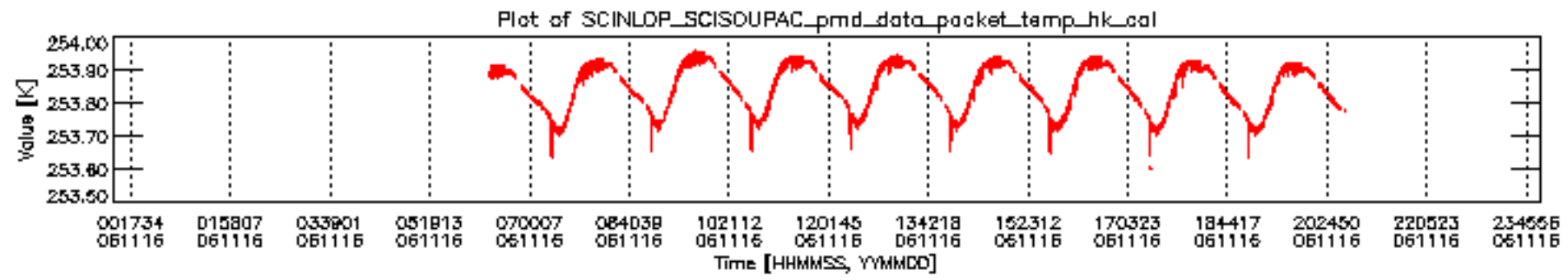


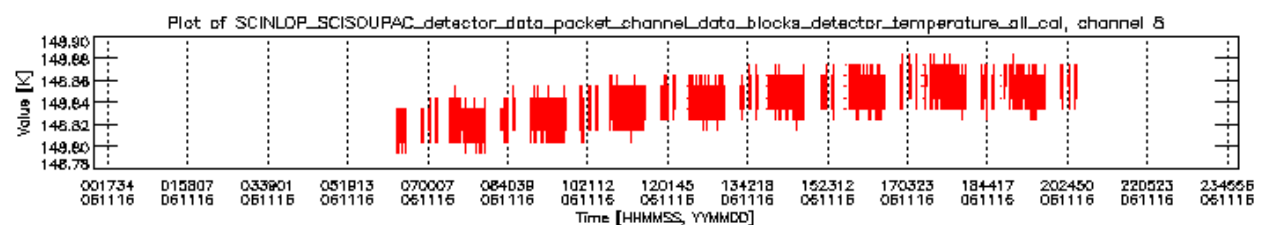
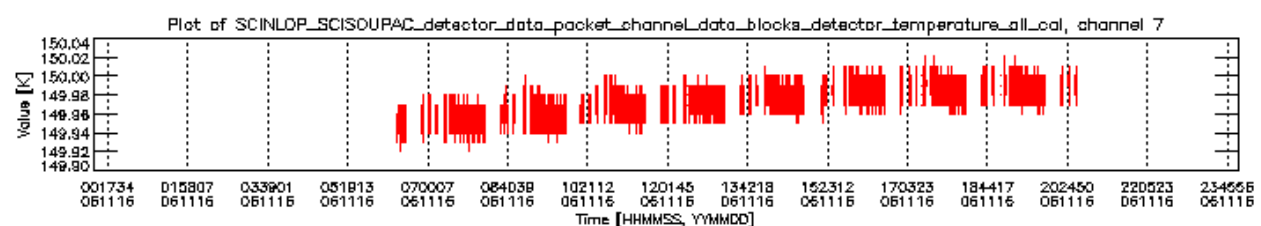
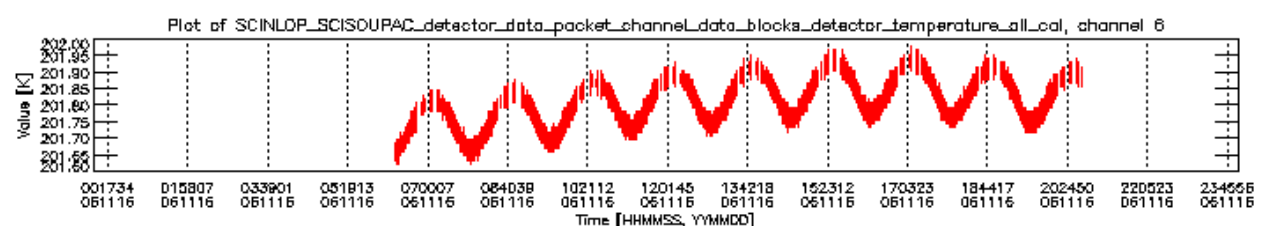
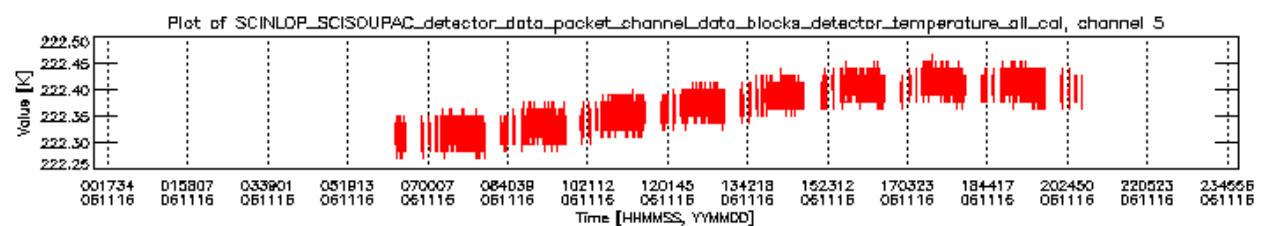
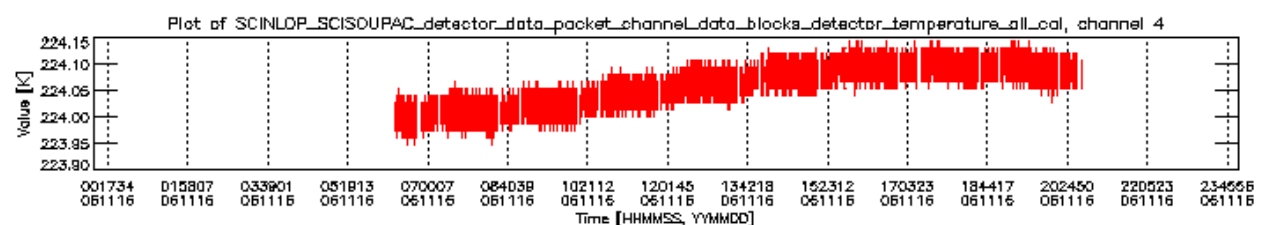
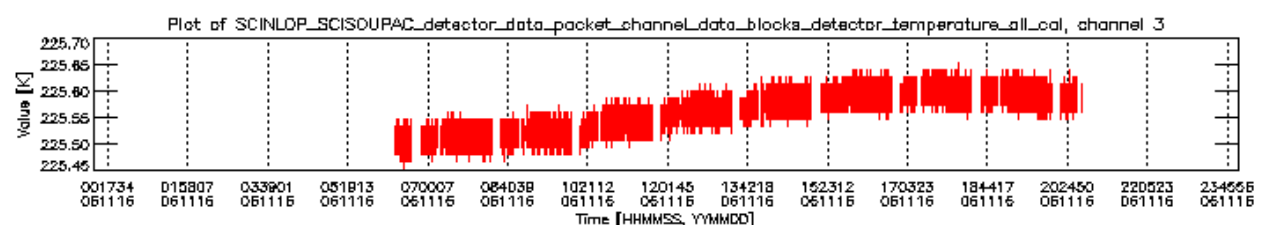
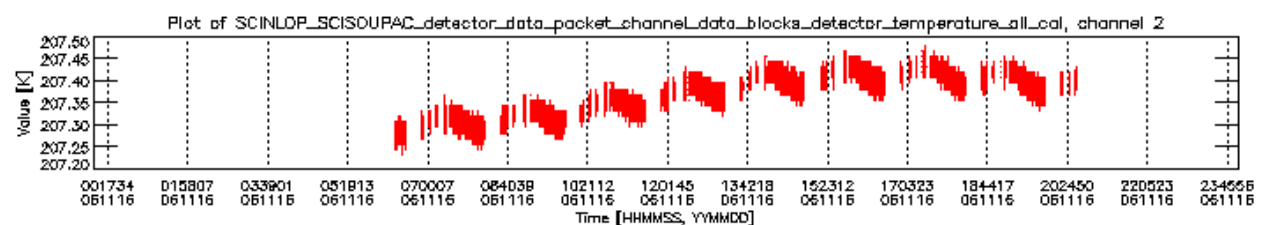
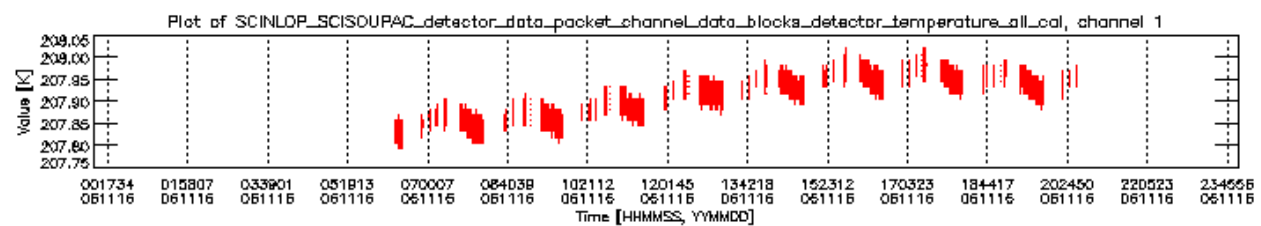
sciamachy_daily_report_level0_PPHS_5_37_N_20061116_8.PNG

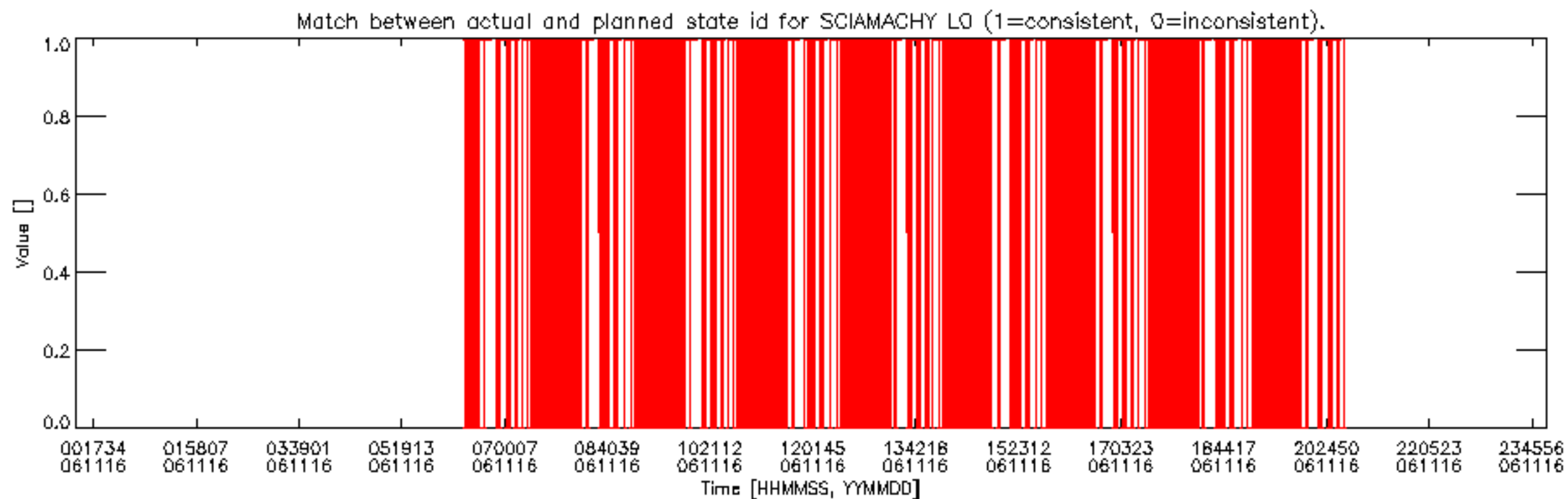
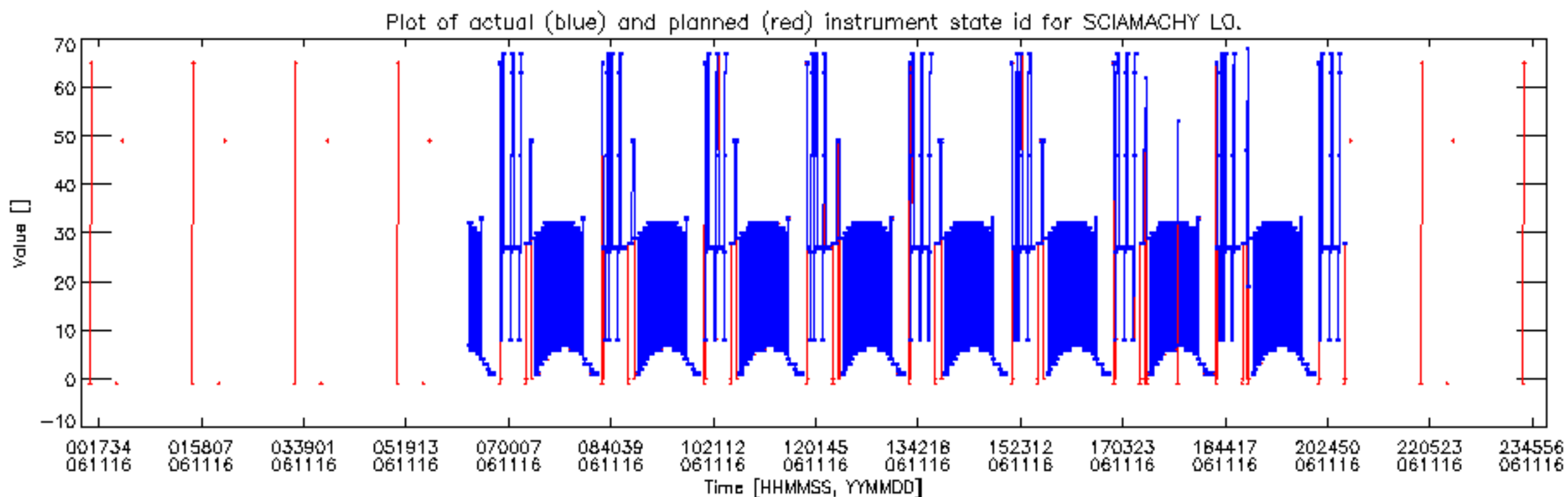












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