

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	23NOV2006 05:05:08
Data source version	PFHS/5.37-N
Processing scope for products	19NOV2006 00:00:00 to 20NOV2006 00:00:00
Start time of first product within scope	19NOV2006 06:25:27
Stop time of last product within scope	19NOV2006 20:43:30
Total number of level 0 products	9
Number of level 0 products with errors	9

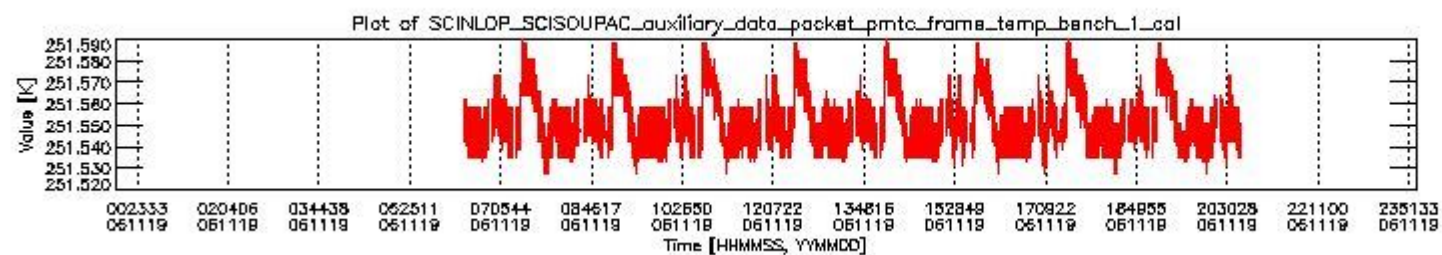
0.1.2 Summary per product

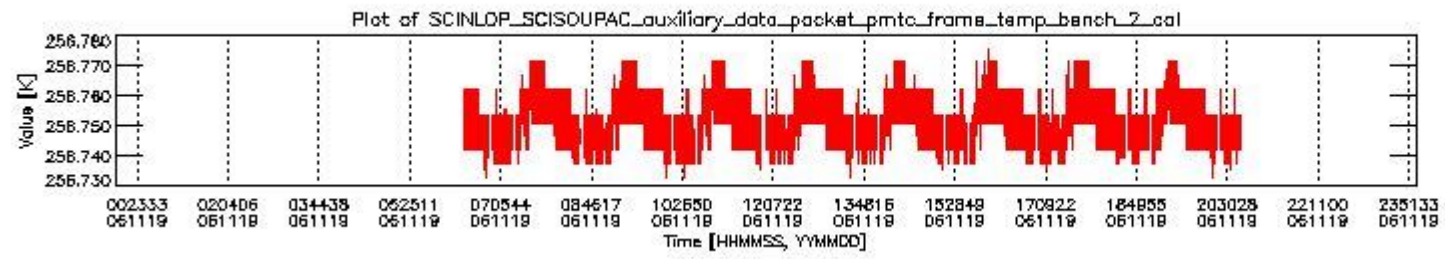
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20061119_062527_000040322053_00077_24680_1413.N1	19NOV2006 06:25:27	19NOV2006 07:32:40	1	0	1	0	0
1	SCI_NL__0PNPDK20061119_073240_000062292053_00078_24681_1414.N1	19NOV2006 07:32:40	19NOV2006 09:16:29	1	0	1	0	0
2	SCI_NL__0PNPDK20061119_091424_000059672053_00079_24682_1415.N1	19NOV2006 09:14:24	19NOV2006 10:53:52	1	0	1	0	0
3	SCI_NL__0PNPDK20061119_105256_000059802053_00080_24683_1416.N1	19NOV2006 10:52:56	19NOV2006 12:32:37	1	0	1	0	0
4	SCI_NL__0PNPDK20061119_123045_000060362053_00081_24684_1417.N1	19NOV2006 12:30:45	19NOV2006 14:11:21	1	0	1	0	0
5	SCI_NL__0PNPDK20061119_140903_000060362053_00082_24685_1418.N1	19NOV2006 14:09:03	19NOV2006 15:49:39	1	0	1	0	0
6	SCI_NL__0PNPDK20061119_154939_000058112053_00083_24686_1419.N1	19NOV2006 15:49:39	19NOV2006 17:26:31	1	0	1	0	0
7	SCI_NL__0PNPDK20061119_172631_000057422053_00084_24687_1420.N1	19NOV2006 17:26:31	19NOV2006 19:02:14	1	0	1	0	0
8	SCI_NL__0PNPDK20061119_190707_000057822053_00085_24688_1421.N1	19NOV2006 19:07:07	19NOV2006 20:43:30	1	0	1	0	0

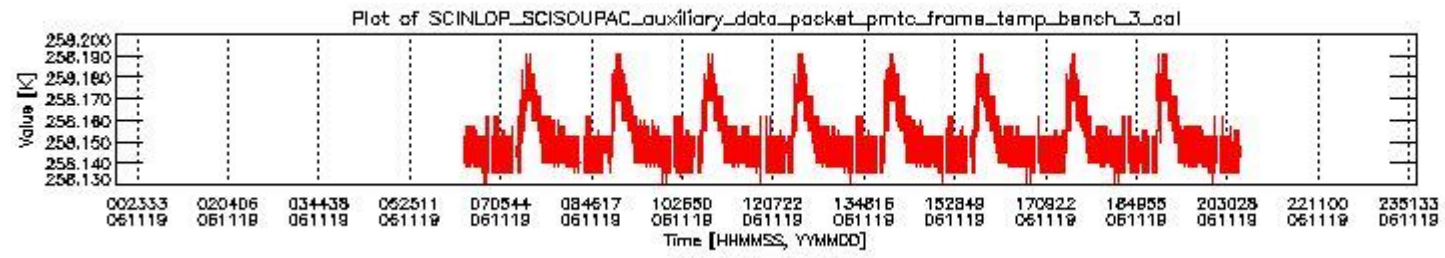
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

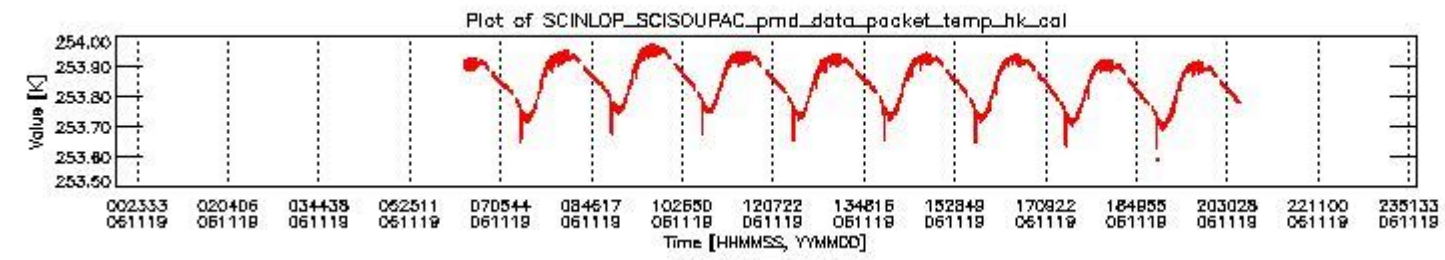




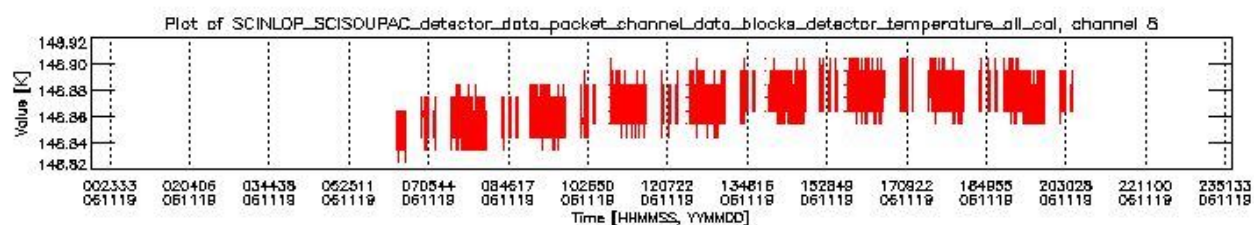
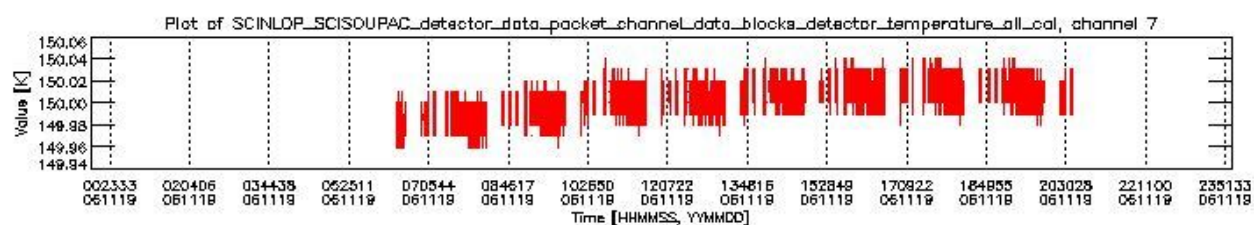
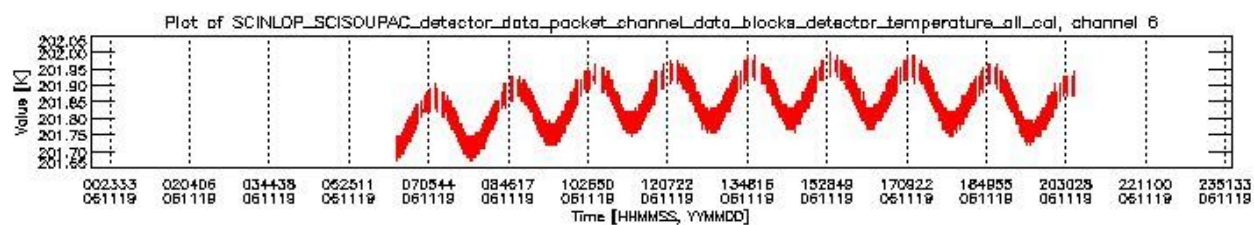
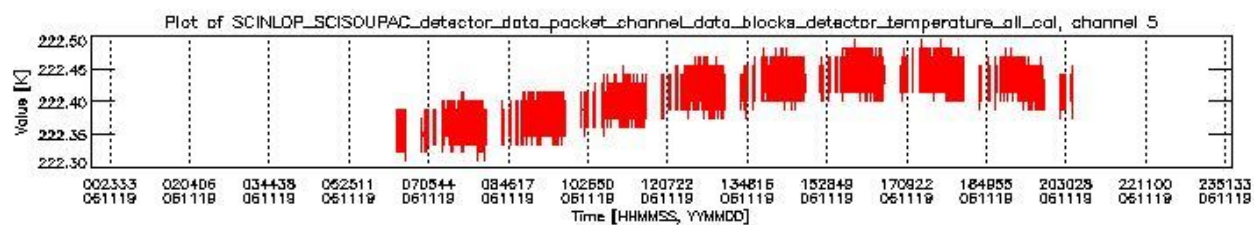
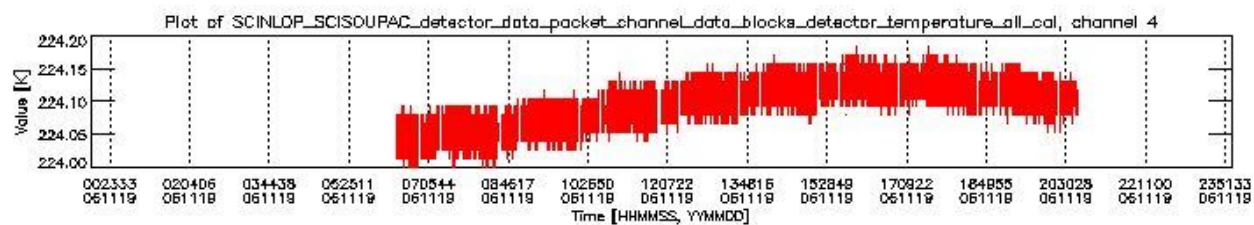
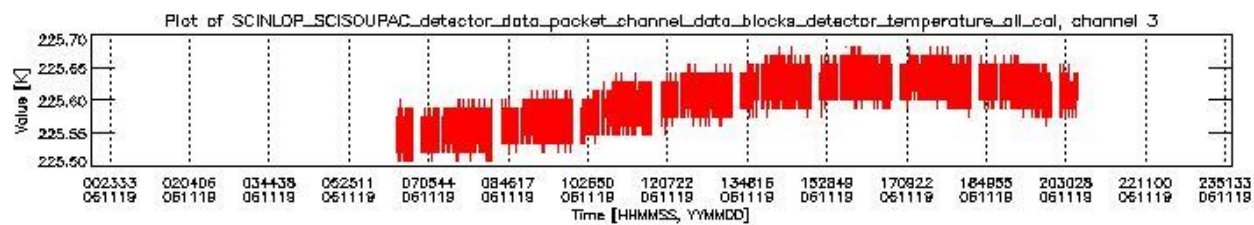
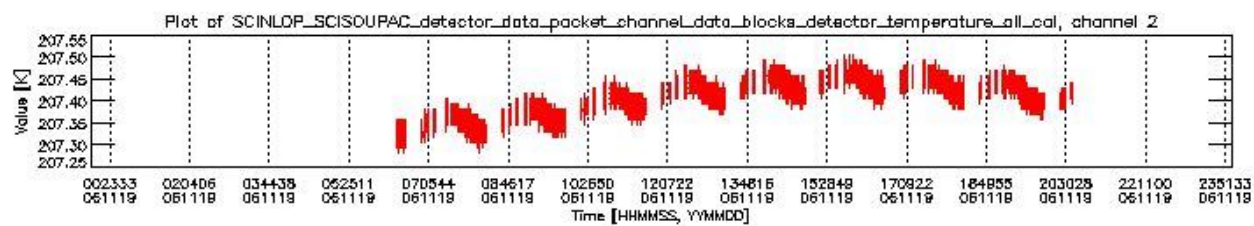
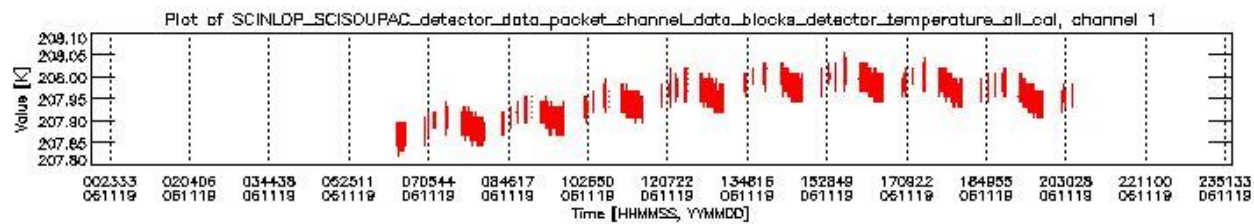
sciamachy_daily_report_level0_PFHS_5_37_N_20061119_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061119_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061119_3.PNG

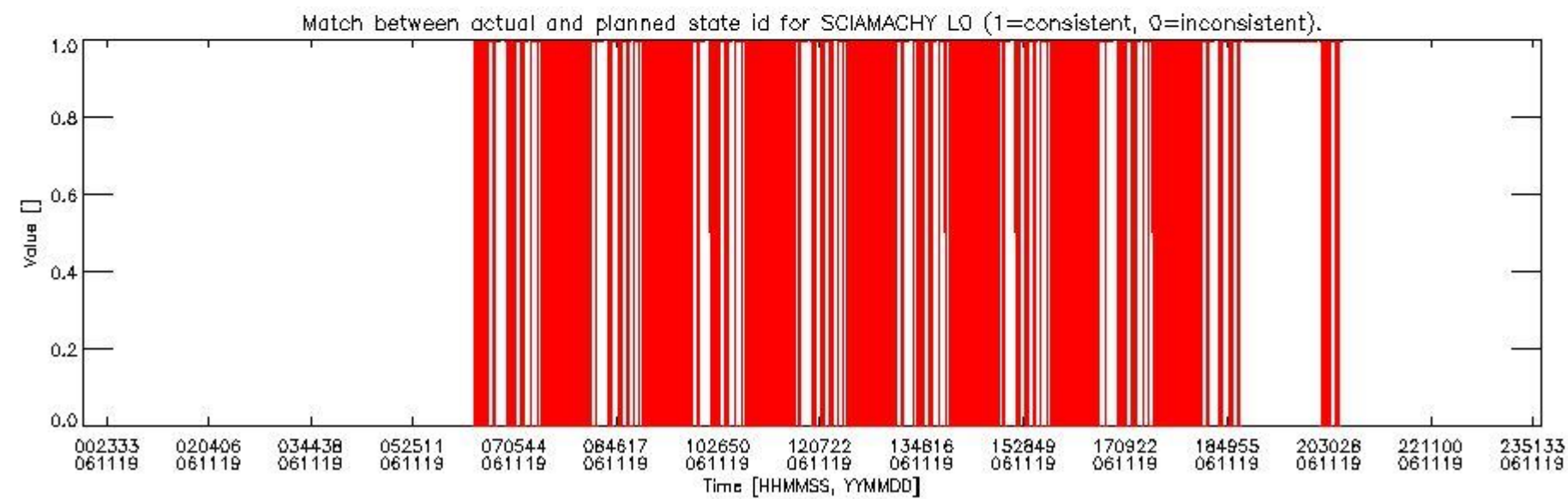
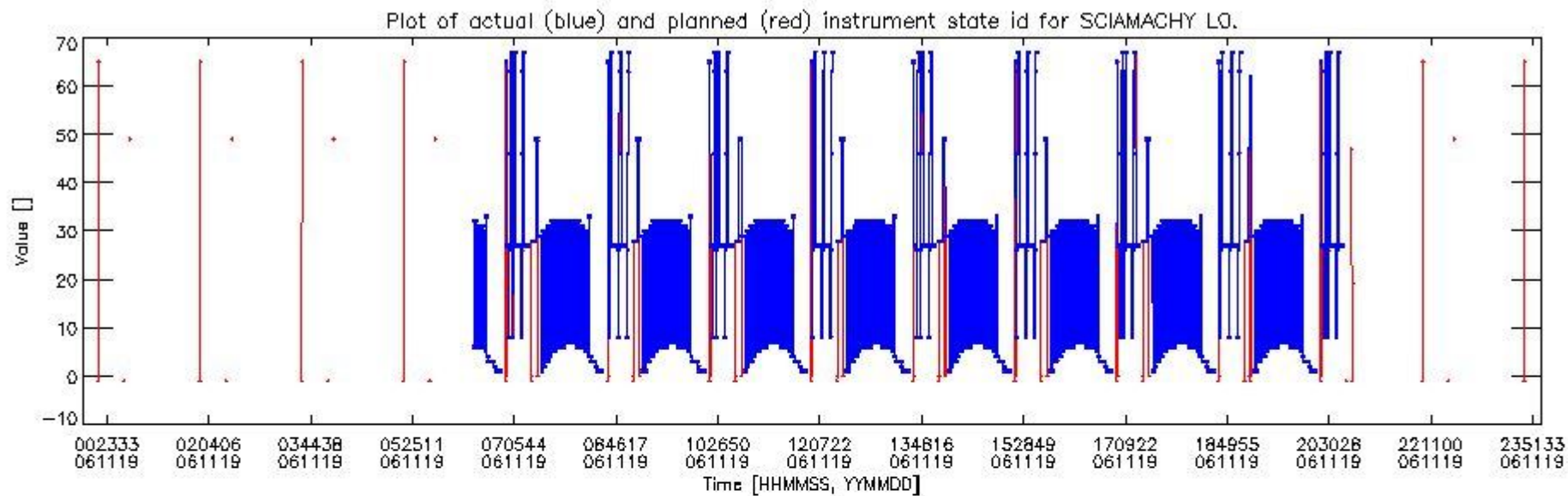


0.3 State monitoring

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: **652**

#	Actual time	Actual value	Planned time	Planned value
0	19NOV2006 06:26:23.419374	6	19NOV2006 06:26:23.419374	32
1	19NOV2006 06:27:31.977964	32	19NOV2006 06:27:31.977964	6
2	19NOV2006 06:28:27.849075	6	19NOV2006 06:28:27.849075	32
3	19NOV2006 06:29:36.403722	31	19NOV2006 06:29:36.403722	6
4	19NOV2006 06:30:32.278736	6	19NOV2006 06:30:32.278736	31
5	19NOV2006 06:31:40.837326	31	19NOV2006 06:31:40.837326	6
6	19NOV2006 06:32:36.704494	6	19NOV2006 06:32:36.704494	31
7	19NOV2006 06:33:45.267027	31	19NOV2006 06:33:45.267027	6
8	19NOV2006 06:34:41.134196	6	19NOV2006 06:34:41.134196	31
9	19NOV2006 06:35:49.696688	30	19NOV2006 06:35:49.696688	6
10	19NOV2006 06:36:45.567759	5	19NOV2006 06:36:45.567759	30
11	19NOV2006 06:37:54.126349	33	19NOV2006 06:37:54.126349	5
12	19NOV2006 06:38:49.997461	4	19NOV2006 06:38:49.997461	33
13	19NOV2006 06:39:58.556051	3	19NOV2006 06:39:58.556051	4
14	19NOV2006 06:45:41.349001	2	19NOV2006 06:45:41.349001	3
15	19NOV2006 06:46:49.903689	1	19NOV2006 06:46:49.903689	2
16	19NOV2006 06:57:59.782574	27	19NOV2006 06:57:59.782574	0
17	19NOV2006 07:00:11.958320	8	19NOV2006 07:00:11.958320	27
18	19NOV2006 07:00:55.513023	26	19NOV2006 07:00:55.513023	8
19	19NOV2006 07:01:29.071602	46	19NOV2006 07:01:29.071602	26

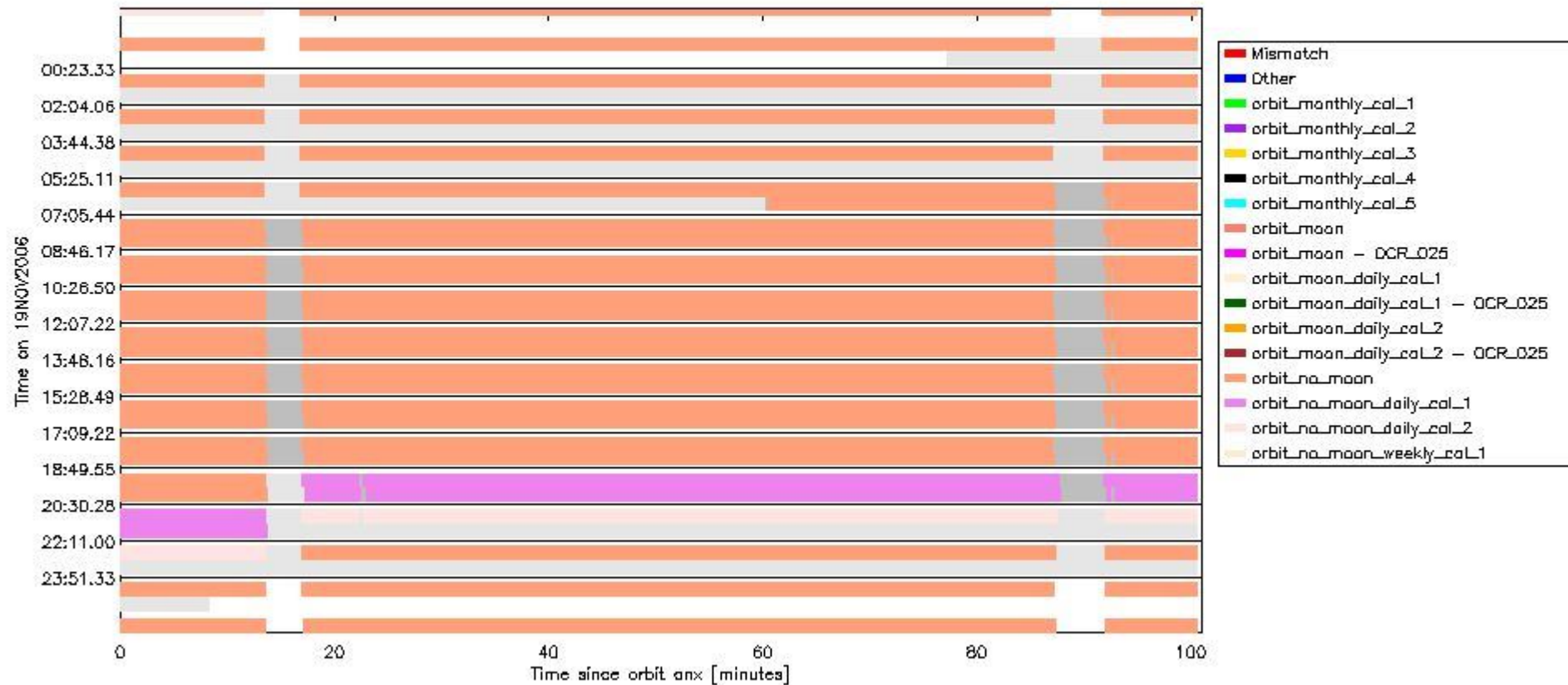


sciamachy_daily_report_level0_PFHS_5_37_N_20061119_5.PNG

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 19NOV2006.
 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_20061119_6.PNG

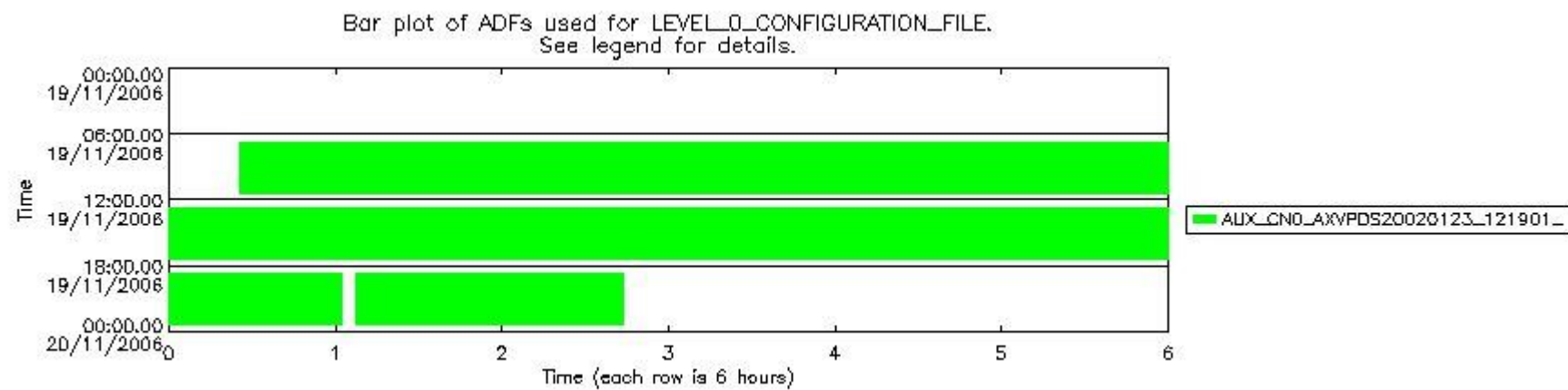
0.4 ADF monitoring

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

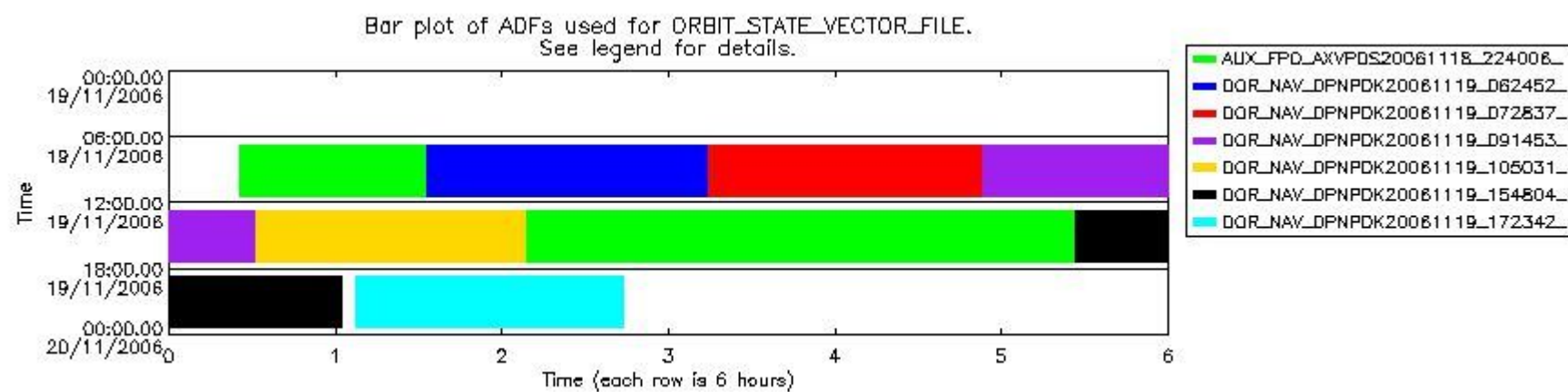
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

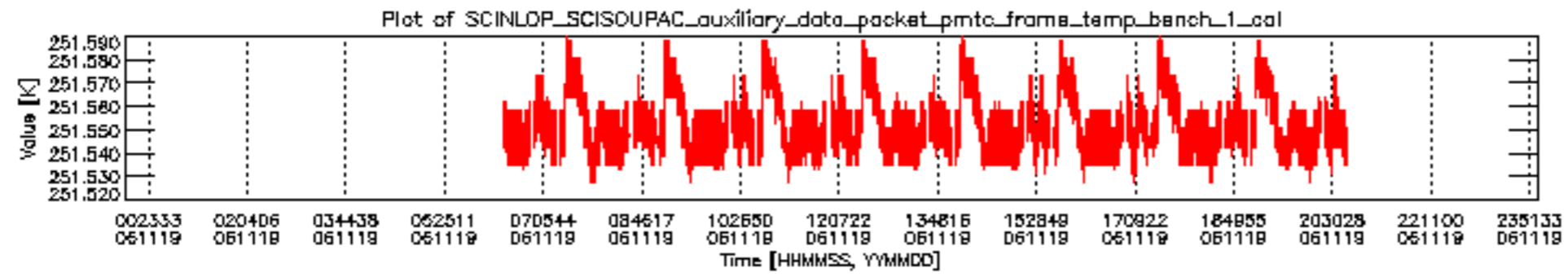
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20061118_224006_20061118_192134_20061128_204748
2	DOR_NAV_OPNPDK20061119_062452_000035062053_00077_24680_1445.N1
3	DOR_NAV_OPNPDK20061119_072837_000060572053_00078_24681_1446.N1
4	DOR_NAV_OPNPDK20061119_091453_000054192053_00079_24682_1447.N1
5	DOR_NAV_OPNPDK20061119_105031_000057382053_00080_24683_1448.N1
6	DOR_NAV_OPNPDK20061119_154804_000054192053_00083_24686_1451.N1
7	DOR_NAV_OPNPDK20061119_172342_000057382053_00084_24687_1452.N1

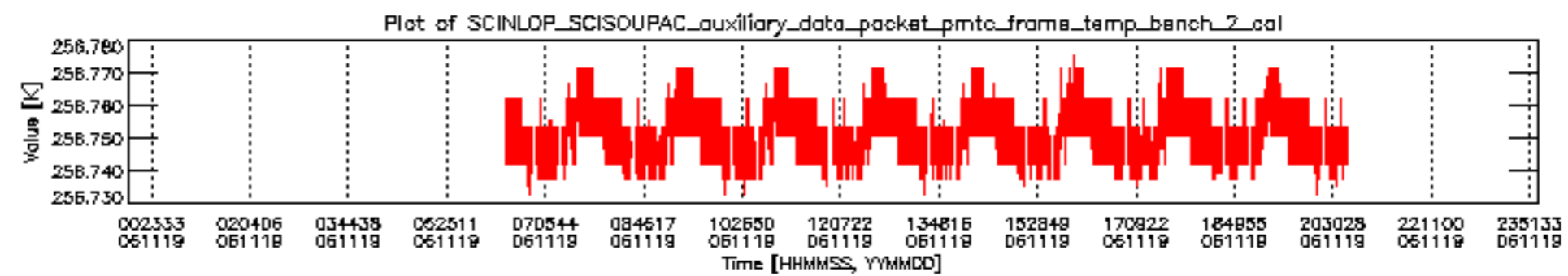


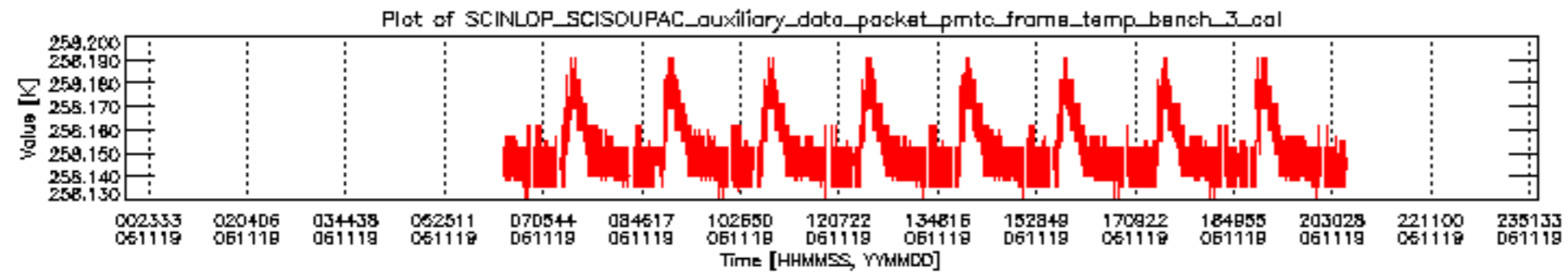
sciamachy_daily_report_level0_PFHS_5_37_N_20061119_7.PNG

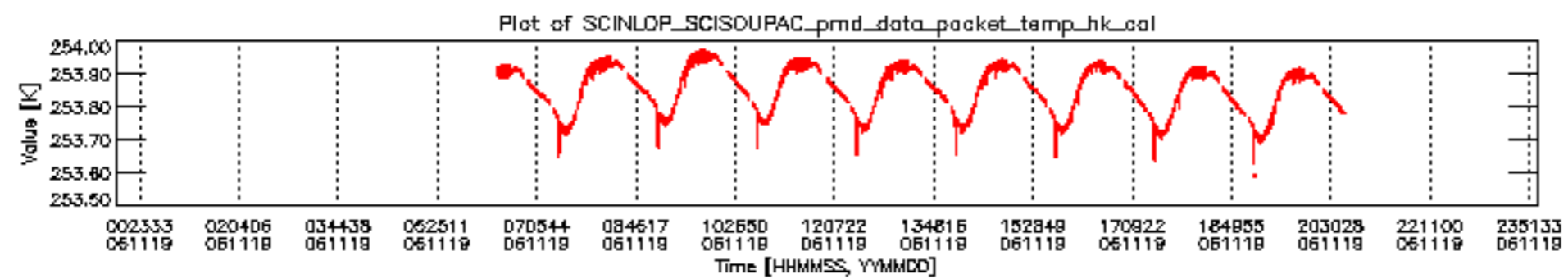


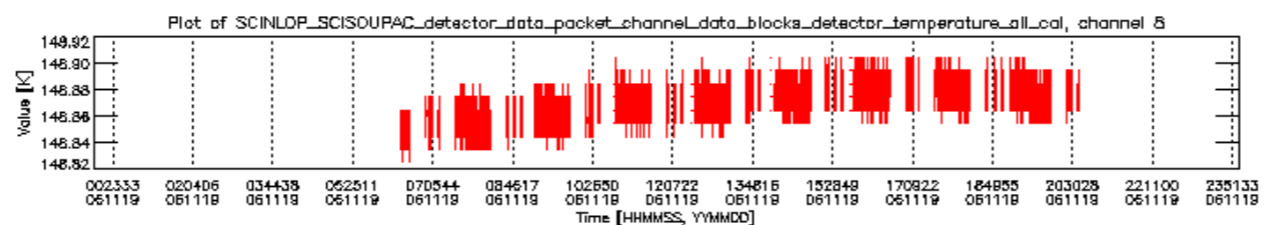
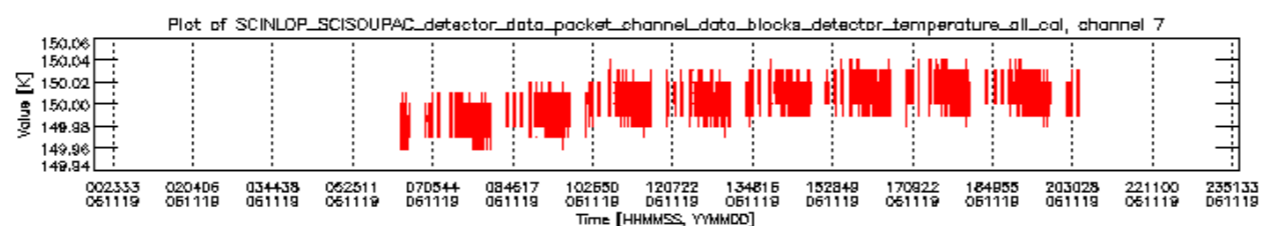
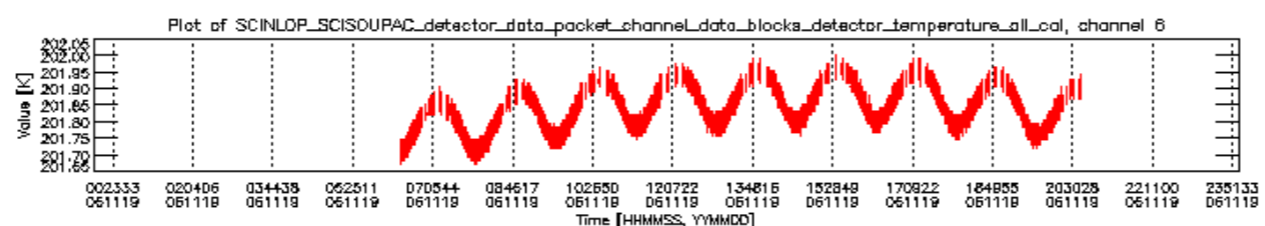
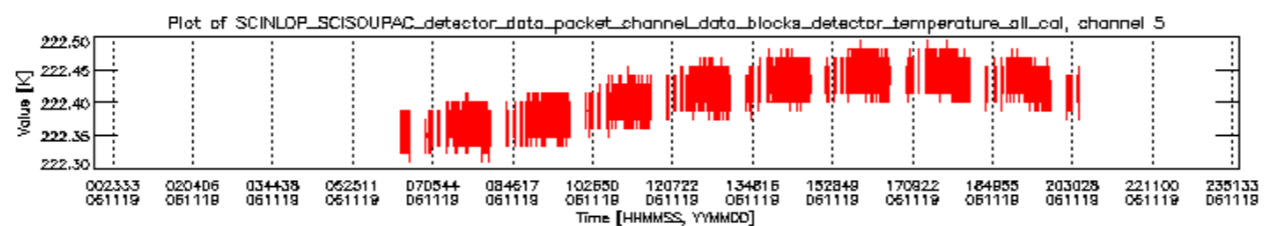
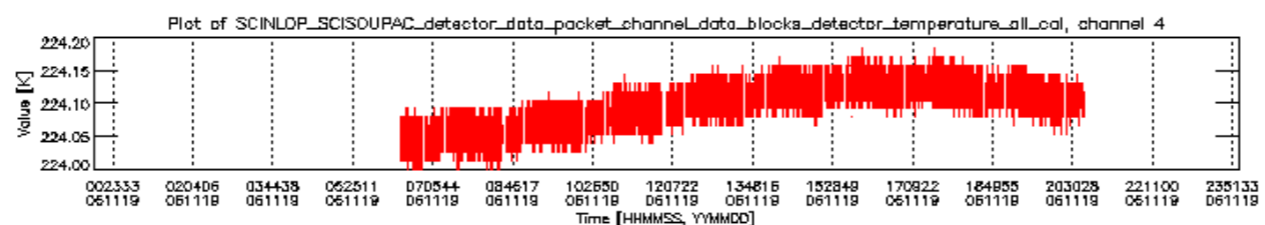
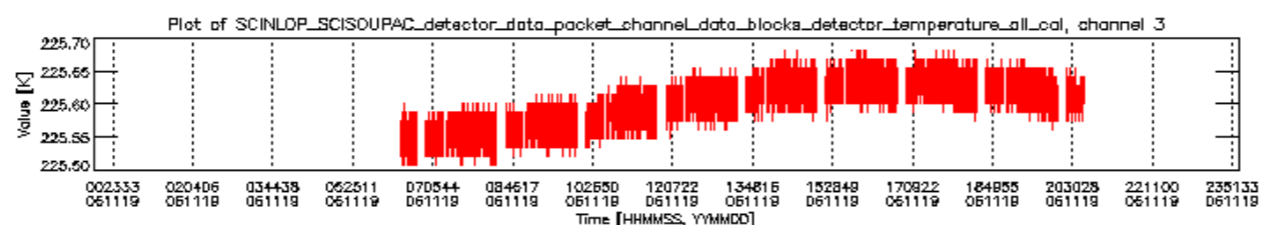
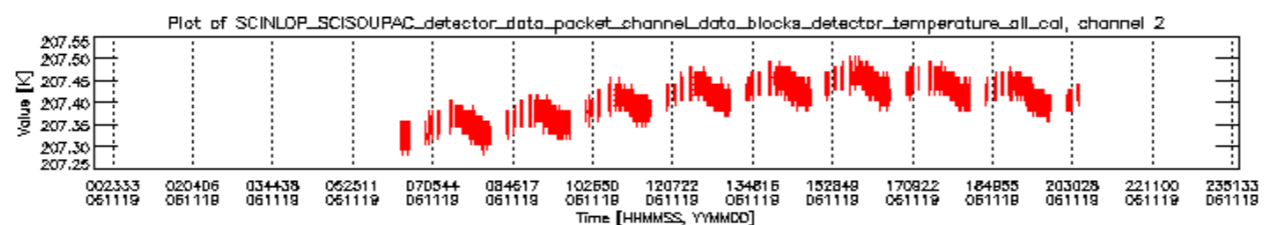
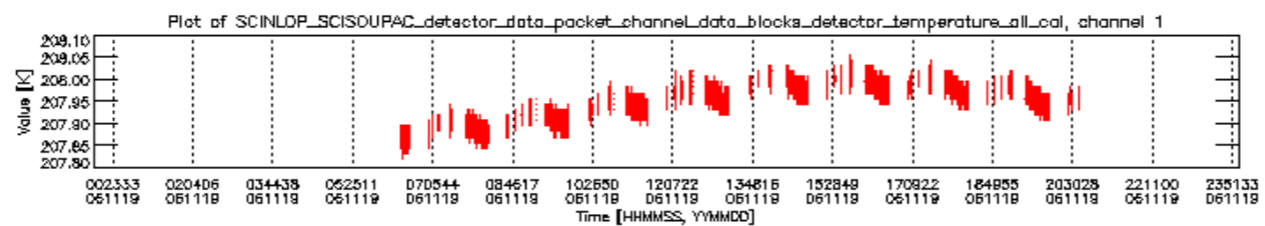
sciamachy_daily_report_level0_PFHS_5_37_N_20061119_8.PNG

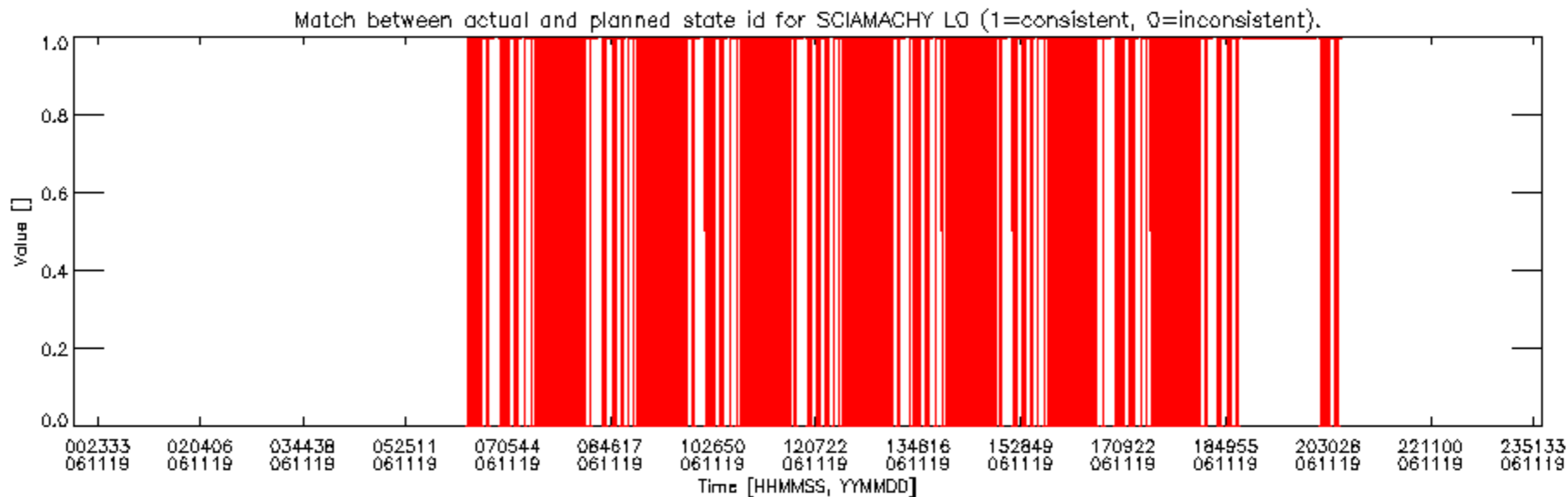
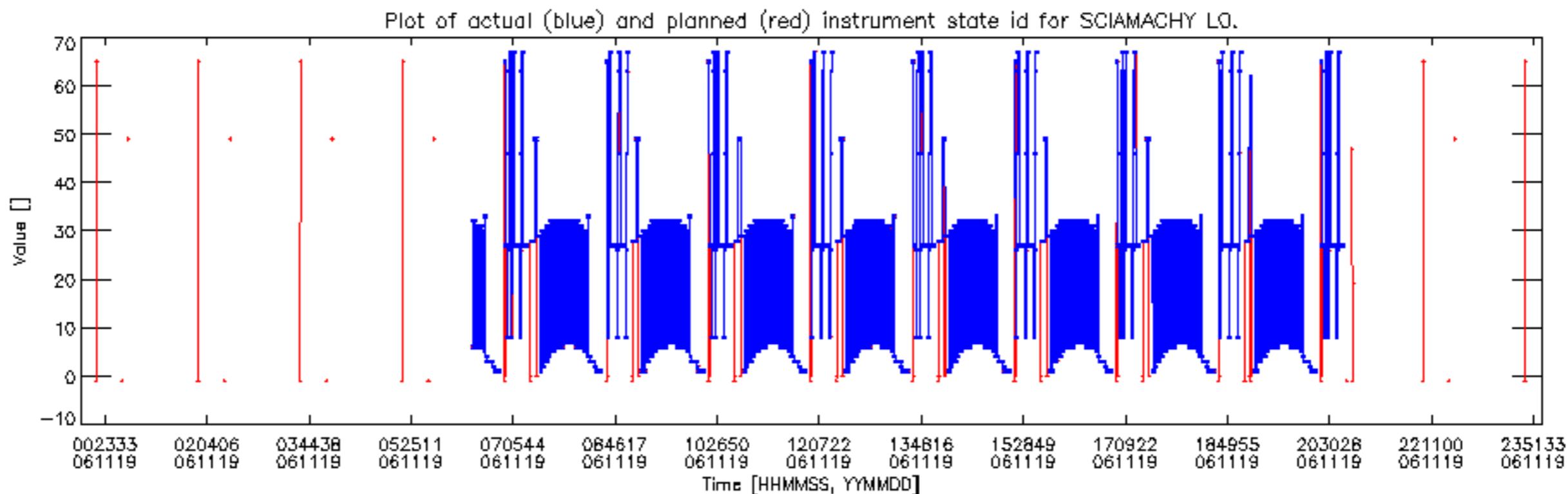












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