

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	18NOV2006 03:35:19
Data source version	PFHS/5.37-N
Processing scope for products	14NOV2006 00:00:00 to 15NOV2006 00:00:00
Start time of first product within scope	14NOV2006 05:07:38
Stop time of last product within scope	14NOV2006 19:59:58
Total number of level 0 products	9
Number of level 0 products with errors	9

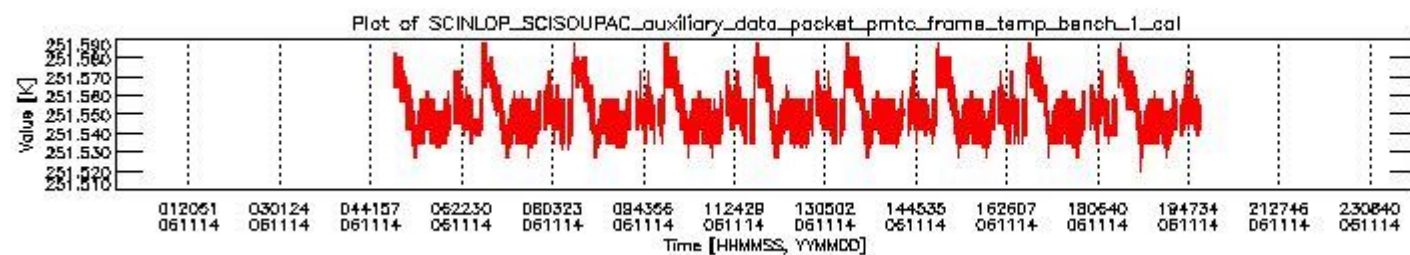
0.1.2 Summary per product

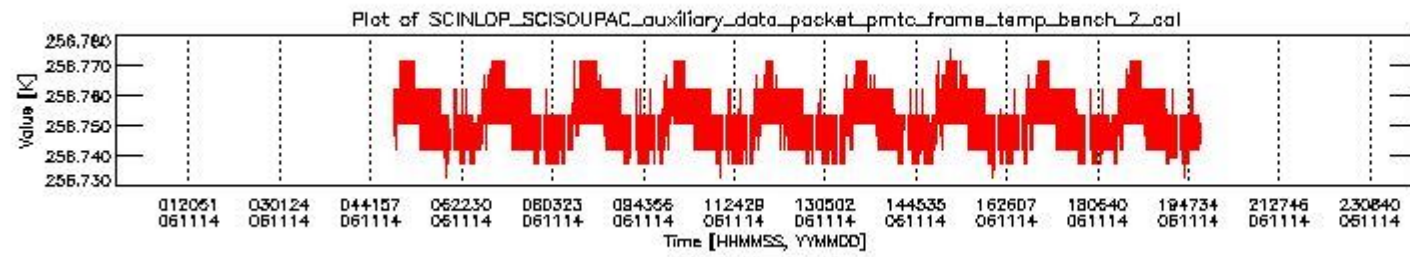
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20061114_050738_000063412053_00005_24608_1356.N1	14NOV2006 05:07:38	14NOV2006 06:53:19	1	0	1	0	0
1	SCI_NL__0PNPDK20061114_065115_000059802053_00006_24609_1357.N1	14NOV2006 06:51:15	14NOV2006 08:30:55	1	0	1	0	0
2	SCI_NL__0PNPDK20061114_082959_000060922053_00007_24610_1358.N1	14NOV2006 08:29:59	14NOV2006 10:11:31	1	0	1	0	0
3	SCI_NL__0PNPDK20061114_101023_000059802053_00008_24611_1359.N1	14NOV2006 10:10:23	14NOV2006 11:50:03	1	0	1	0	0
4	SCI_NL__0PNPDK20061114_114907_000060362053_00009_24612_1360.N1	14NOV2006 11:49:07	14NOV2006 13:29:43	1	0	1	0	0
5	SCI_NL__0PNPDK20061114_132752_000060362053_00010_24613_1361.N1	14NOV2006 13:27:52	14NOV2006 15:08:28	1	0	1	0	0
6	SCI_NL__0PNPDK20061114_150610_000060362053_00011_24614_1362.N1	14NOV2006 15:06:10	14NOV2006 16:46:46	1	0	1	0	0
7	SCI_NL__0PNPDK20061114_164549_000058682053_00012_24615_1363.N1	14NOV2006 16:45:49	14NOV2006 18:23:38	1	0	1	0	0
8	SCI_NL__0PNPDK20061114_182338_000057792053_00013_24616_1364.N1	14NOV2006 18:23:38	14NOV2006 19:59:58	1	0	1	0	0

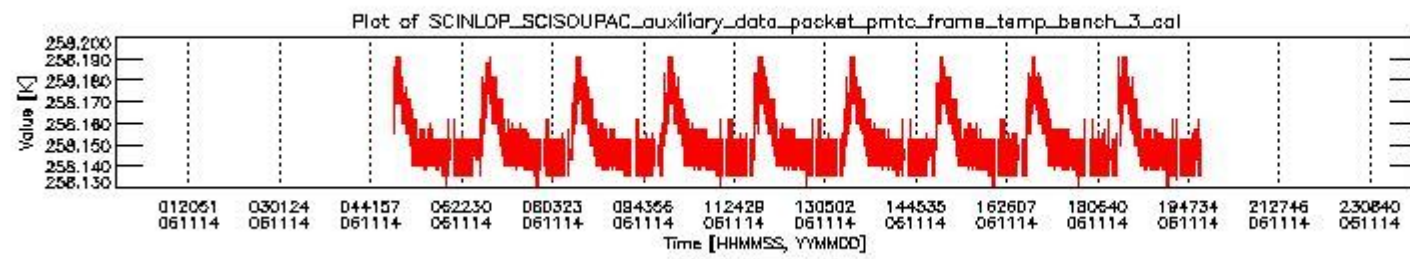
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

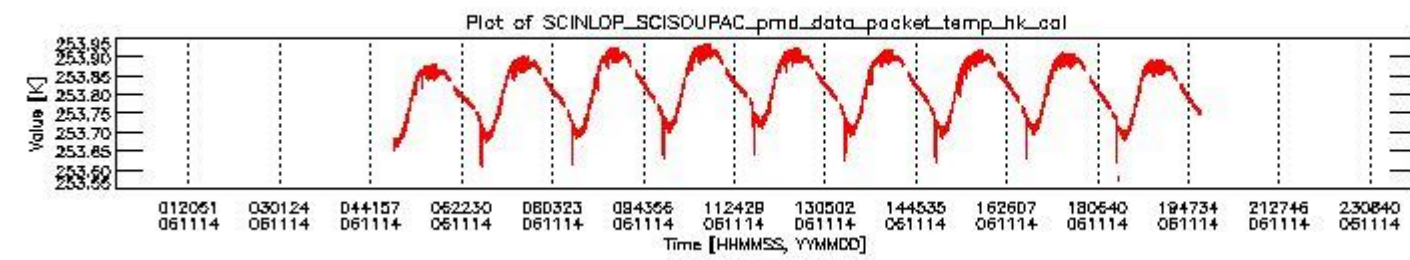




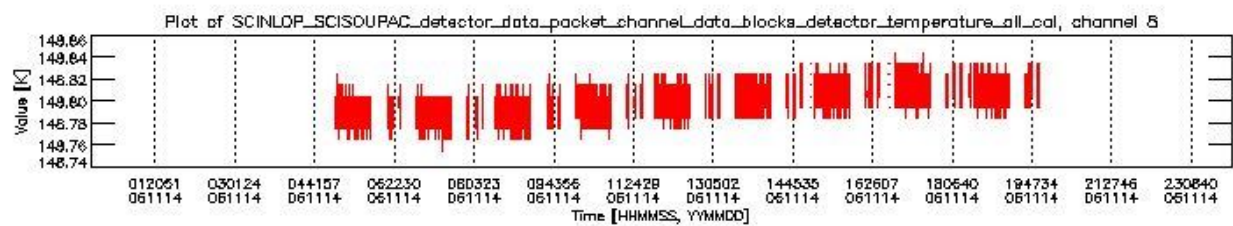
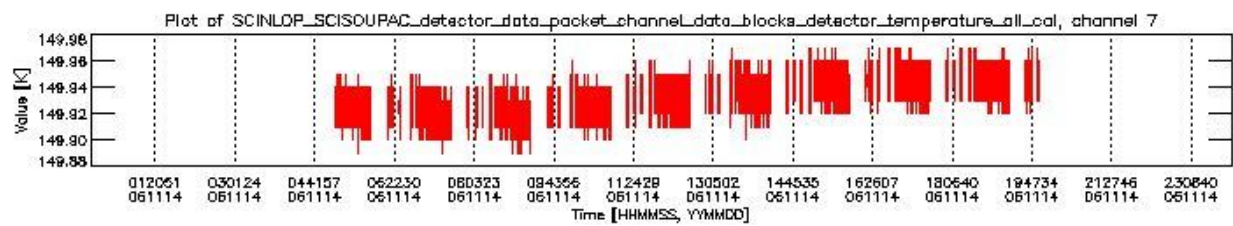
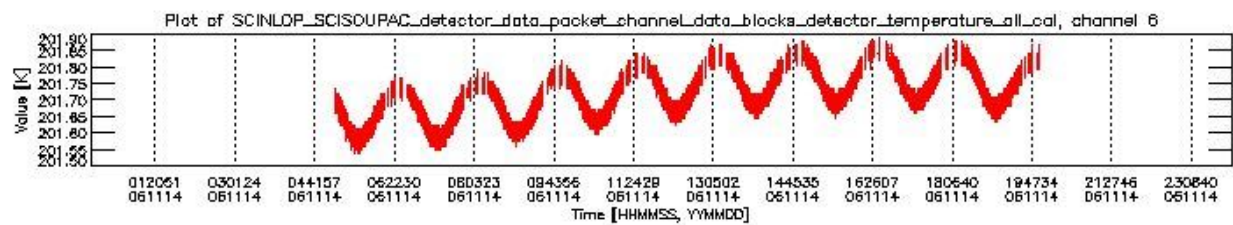
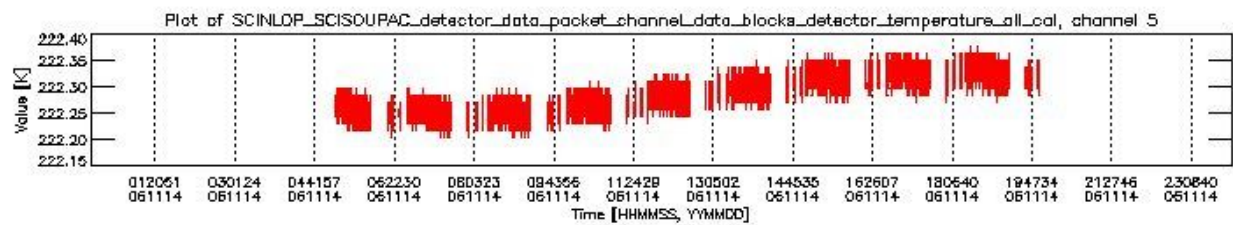
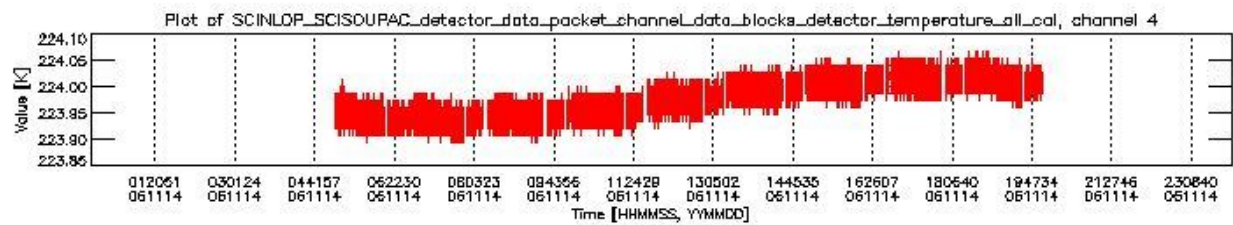
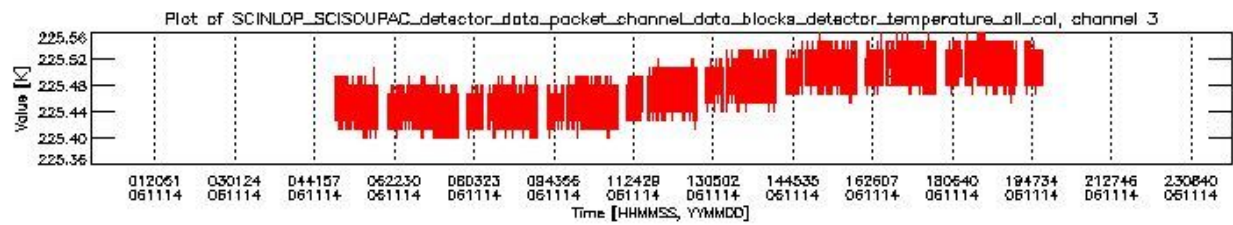
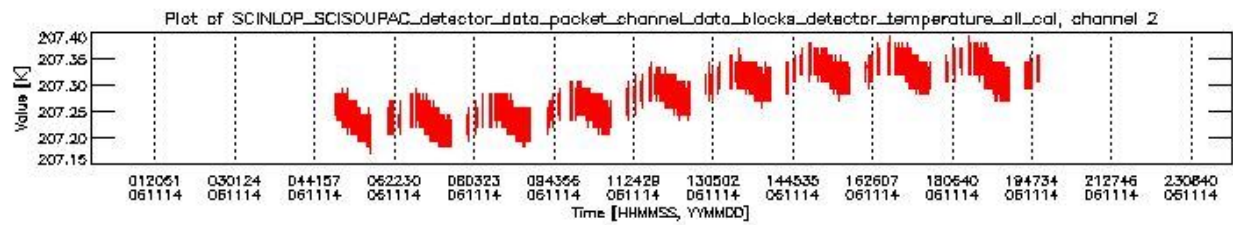
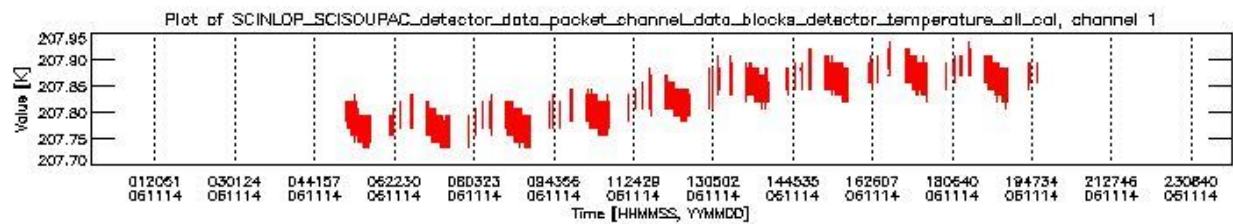
sciamachy_daily_report_level0_PFHS_5_37_N_20061114_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061114_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061114_3.PNG

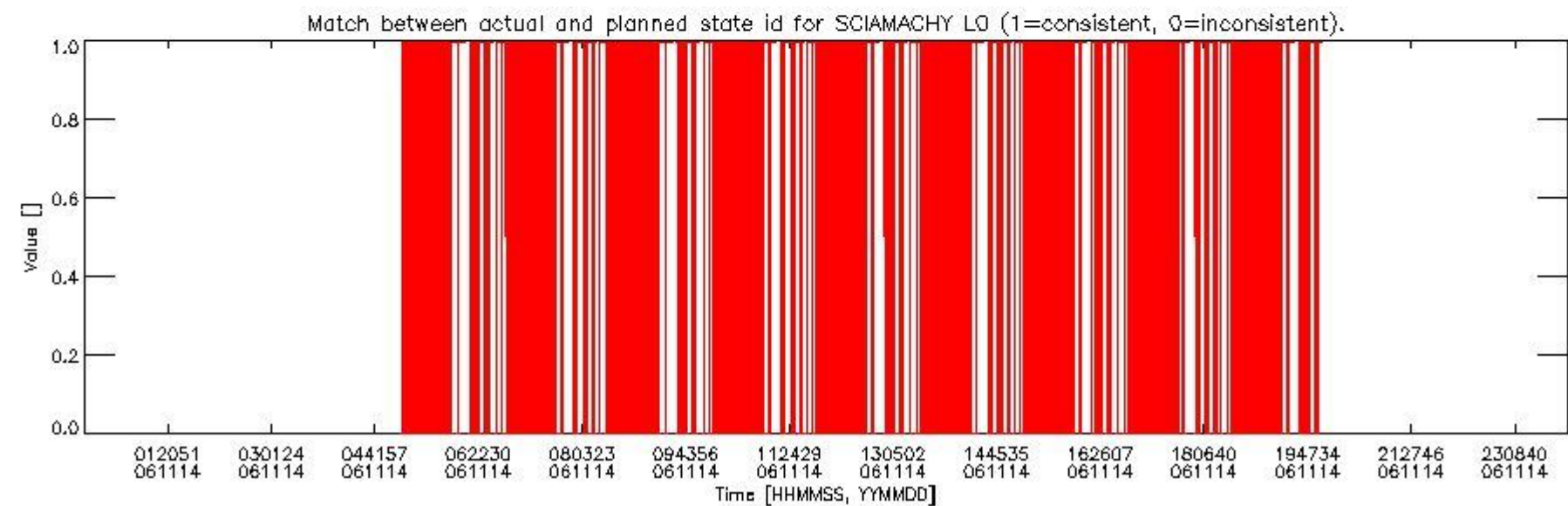
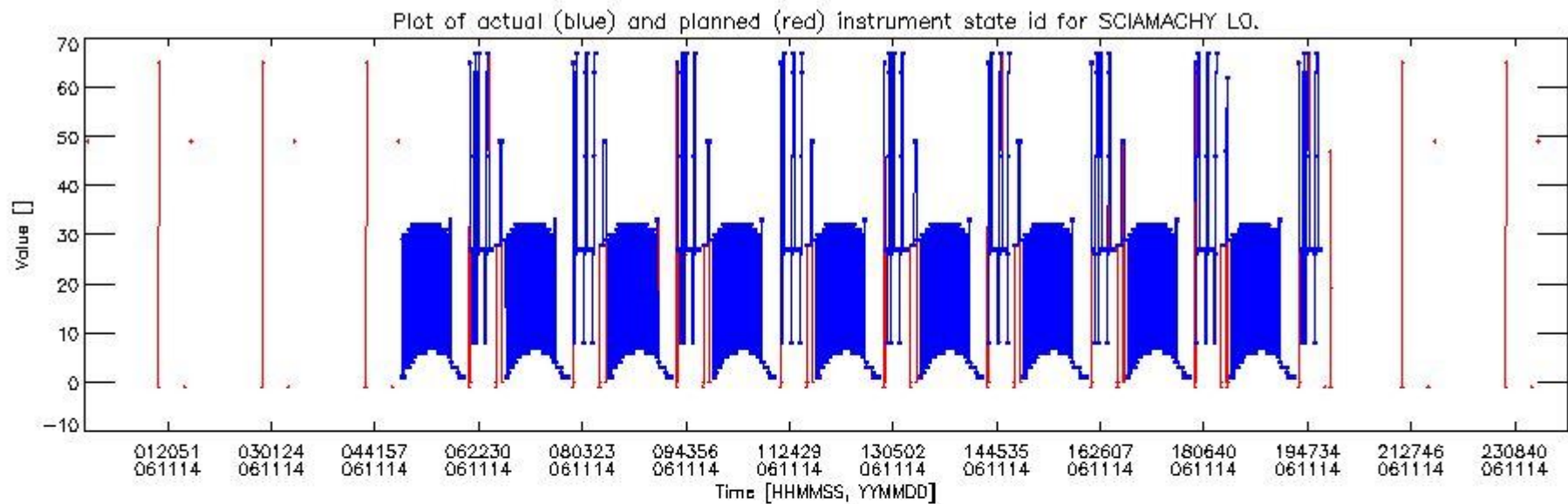


0.3 State monitoring

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: **1369**

#	Actual time	Actual value	Planned time	Planned value
0	14NOV2006 05:07:38.493724	1	14NOV2006 05:07:38.493724	29
1	14NOV2006 05:08:47.052315	30	14NOV2006 05:08:47.052315	1
2	14NOV2006 05:09:42.927288	1	14NOV2006 05:09:42.927288	30
3	14NOV2006 05:09:43.177297	1	14NOV2006 05:09:43.177297	30
4	14NOV2006 05:09:43.302301	1	14NOV2006 05:09:43.302301	30
5	14NOV2006 05:10:51.485878	30	14NOV2006 05:10:51.485878	1
6	14NOV2006 05:11:47.356989	3	14NOV2006 05:11:47.356989	30
7	14NOV2006 05:11:47.606998	3	14NOV2006 05:11:47.606998	30
8	14NOV2006 05:11:47.732002	3	14NOV2006 05:11:47.732002	30
9	14NOV2006 05:12:55.911677	30	14NOV2006 05:12:55.911677	3
10	14NOV2006 05:13:51.786650	3	14NOV2006 05:13:51.786650	30
11	14NOV2006 05:13:52.036659	3	14NOV2006 05:13:52.036659	30
12	14NOV2006 05:13:52.161663	3	14NOV2006 05:13:52.161663	30
13	14NOV2006 05:15:00.341338	31	14NOV2006 05:15:00.341338	3
14	14NOV2006 05:15:56.216352	4	14NOV2006 05:15:56.216352	31
15	14NOV2006 05:15:56.466360	4	14NOV2006 05:15:56.466360	31
16	14NOV2006 05:15:56.591365	4	14NOV2006 05:15:56.591365	31
17	14NOV2006 05:17:04.774942	32	14NOV2006 05:17:04.774942	4
18	14NOV2006 05:18:00.646013	4	14NOV2006 05:18:00.646013	32
19	14NOV2006 05:18:00.896021	4	14NOV2006 05:18:00.896021	32
...

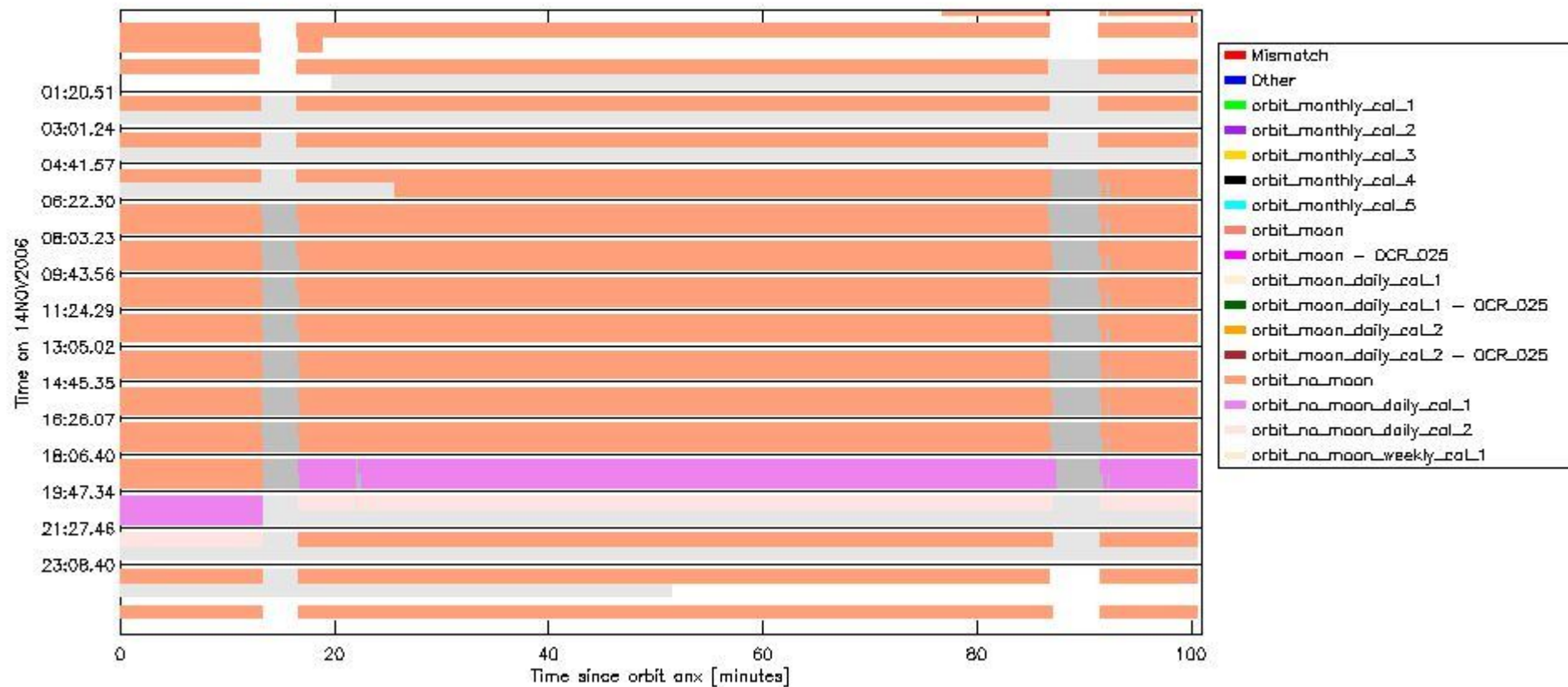


sciamachy_daily_report_level0_PFHS_5_37_N_20061114_5.PNG

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 14NOV2006.
 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_20061114_6.PNG

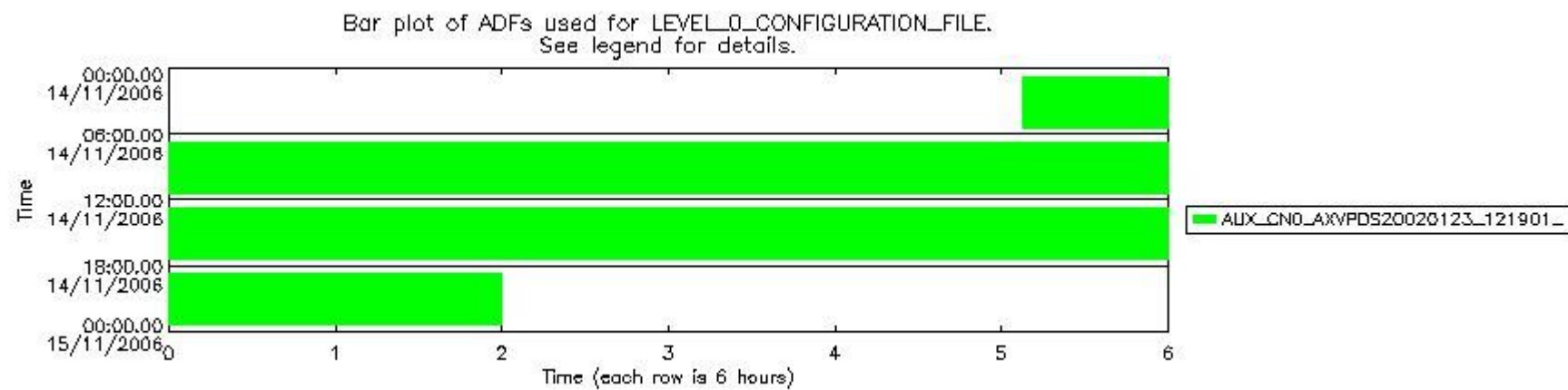
0.4 ADF monitoring

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

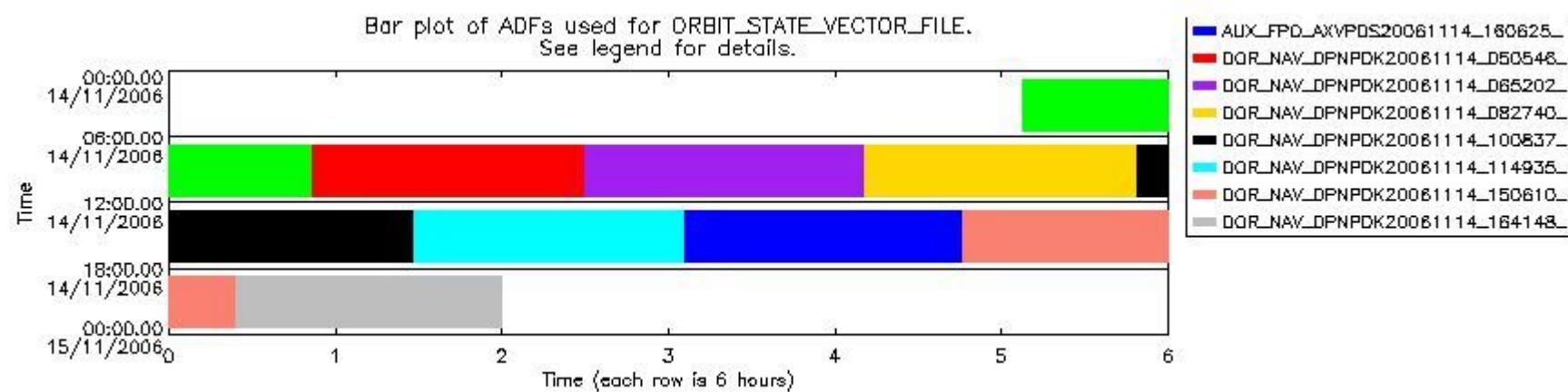
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

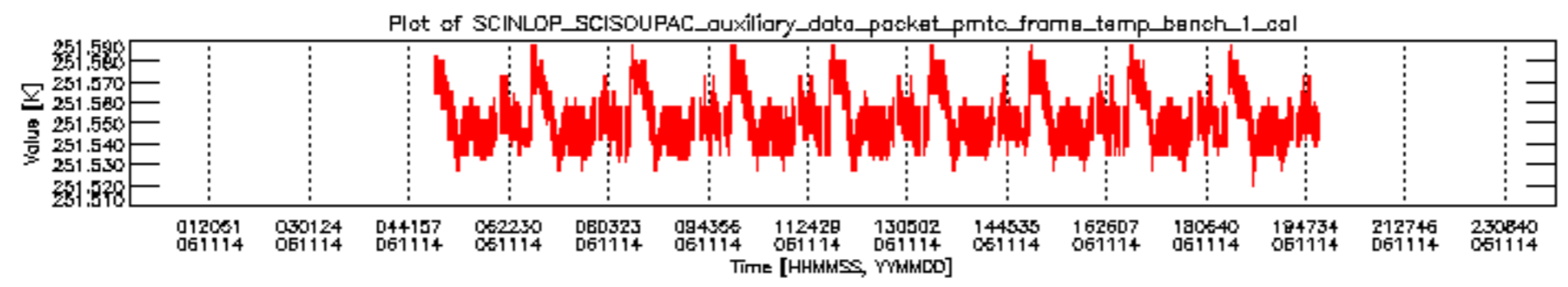
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20061113_234620_20061113_183827_20061123_200441
2	AUX_FPO_AXVPDS20061114_160625_20061114_094350_20061123_232553
3	DOR_NAV_OPNPDK20061114_050546_000060572053_00005_24608_1401.N1
4	DOR_NAV_OPNPDK20061114_065202_000054192053_00006_24609_1402.N1
5	DOR_NAV_OPNPDK20061114_082740_000057382053_00007_24610_1403.N1
6	DOR_NAV_OPNPDK20061114_100837_000057382053_00008_24611_1404.N1
7	DOR_NAV_OPNPDK20061114_114935_000054192053_00009_24612_1405.N1
8	DOR_NAV_OPNPDK20061114_150610_000054192053_00011_24614_1407.N1
9	DOR_NAV_OPNPDK20061114_164148_000057382053_00012_24615_1408.N1

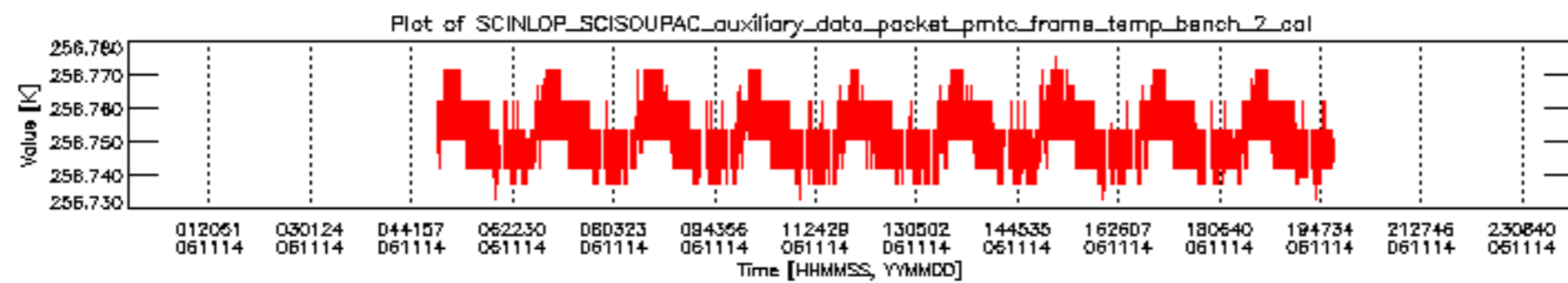


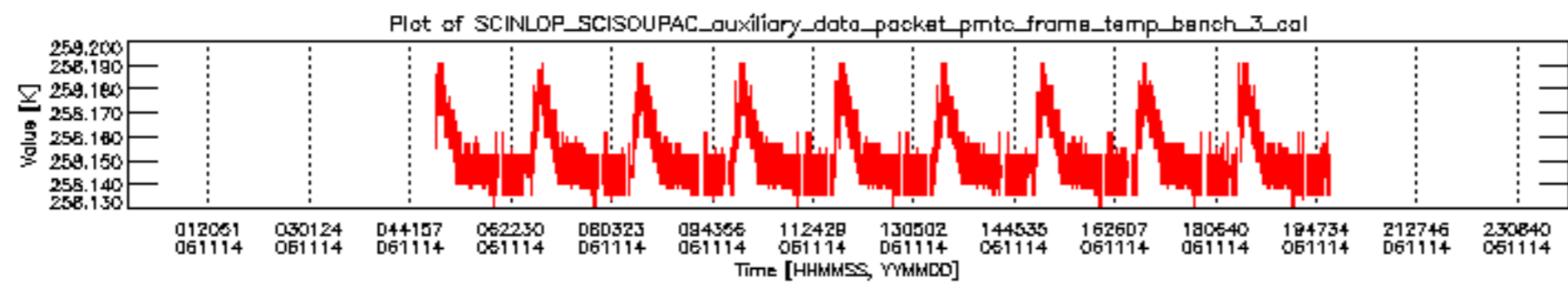
sciamachy_daily_report_level0_PFHS_5_37_N_20061114_7.PNG

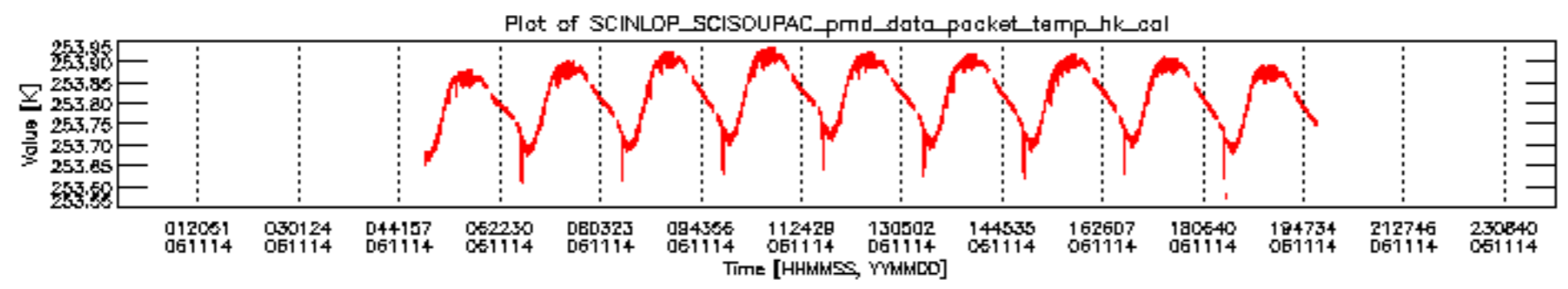


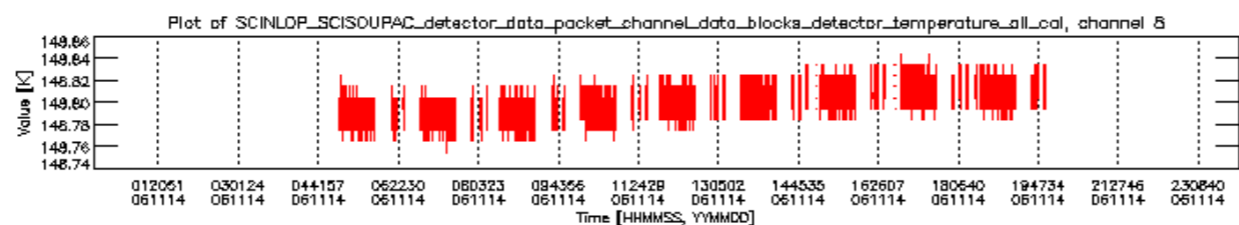
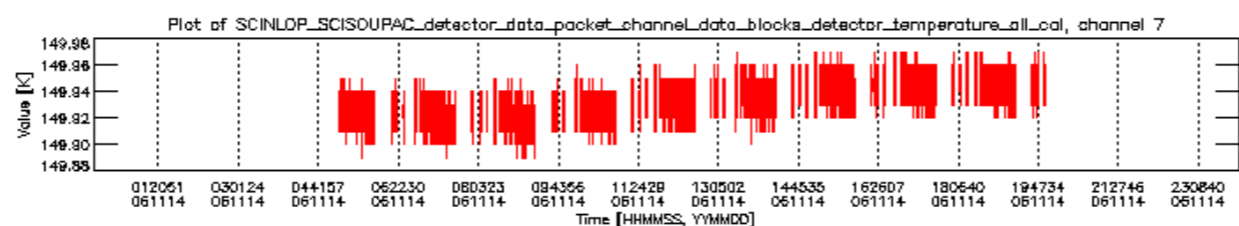
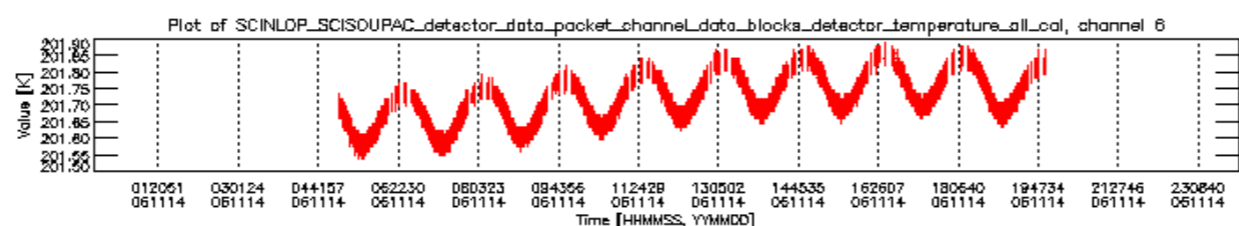
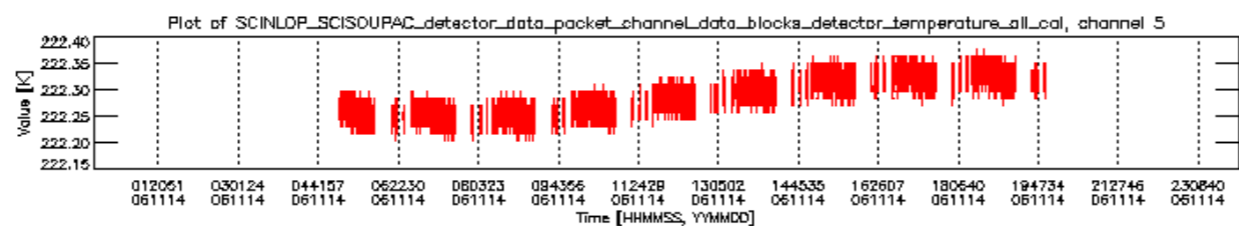
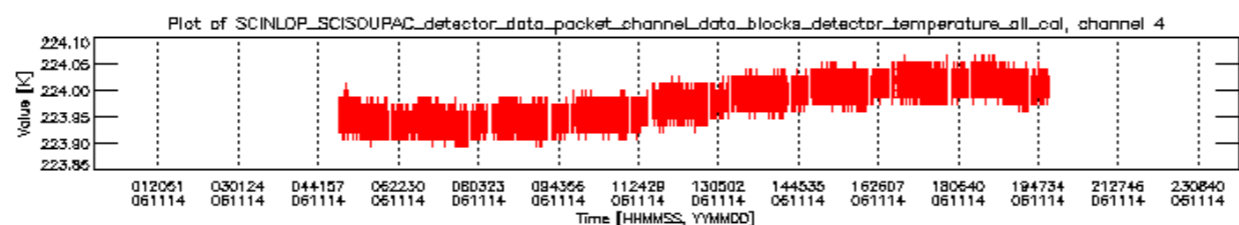
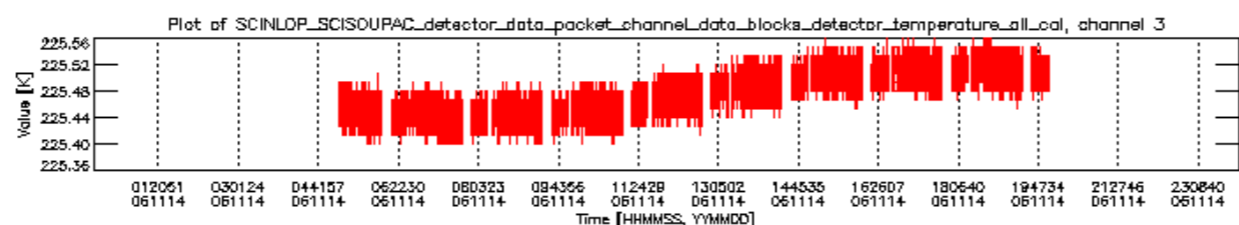
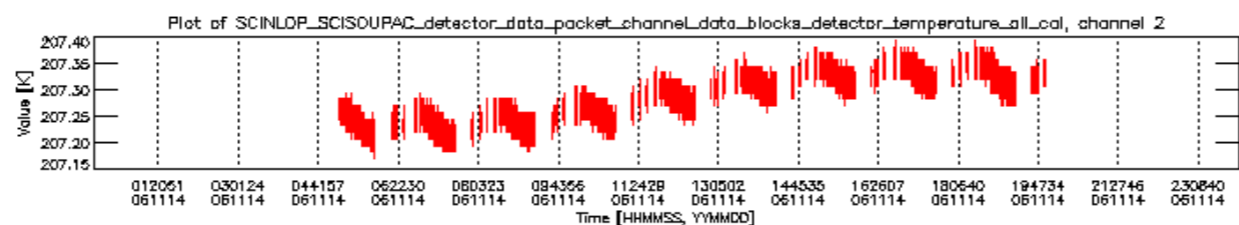
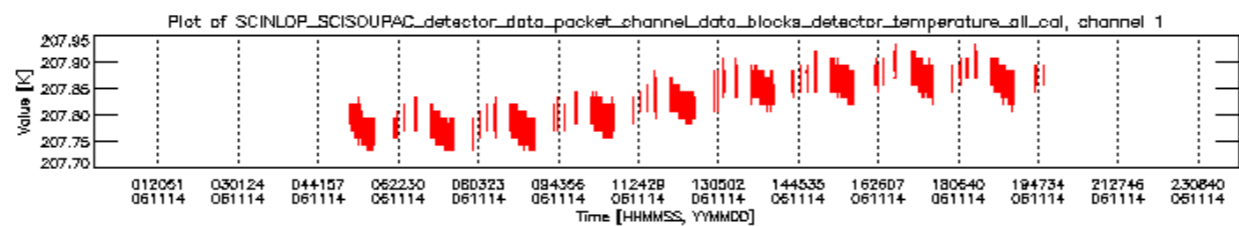
sciamachy_daily_report_level0_PFHS_5_37_N_20061114_8.PNG

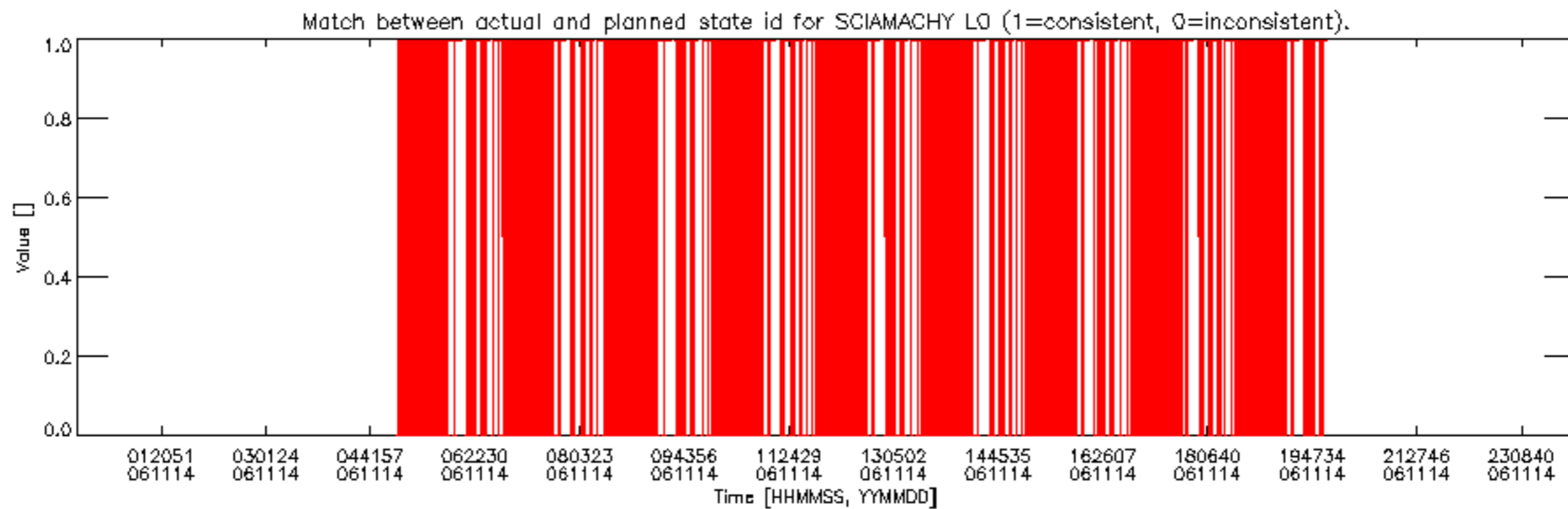
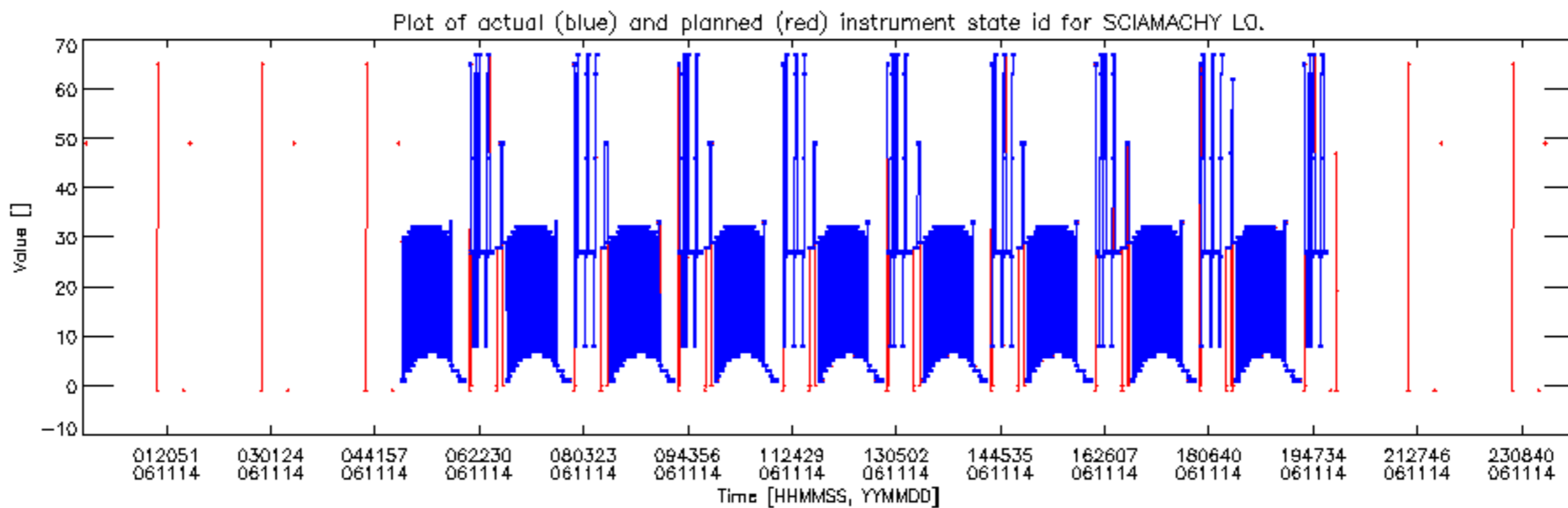












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