

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	14NOV2006 14:50:23
Data source version	PFHS/5.37-N
Processing scope for products	10NOV2006 00:00:00 to 11NOV2006 00:00:00
Start time of first product within scope	10NOV2006 06:19:44
Stop time of last product within scope	10NOV2006 22:12:15
Total number of level 0 products	10
Number of level 0 products with errors	10

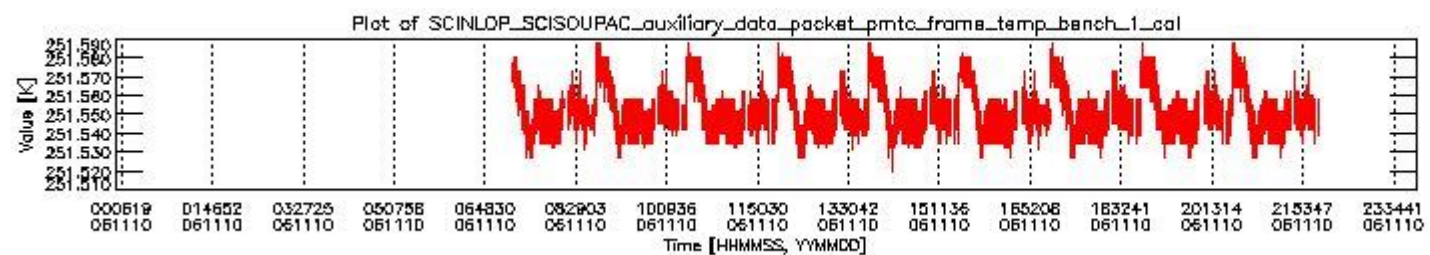
0.1.2 Summary per product

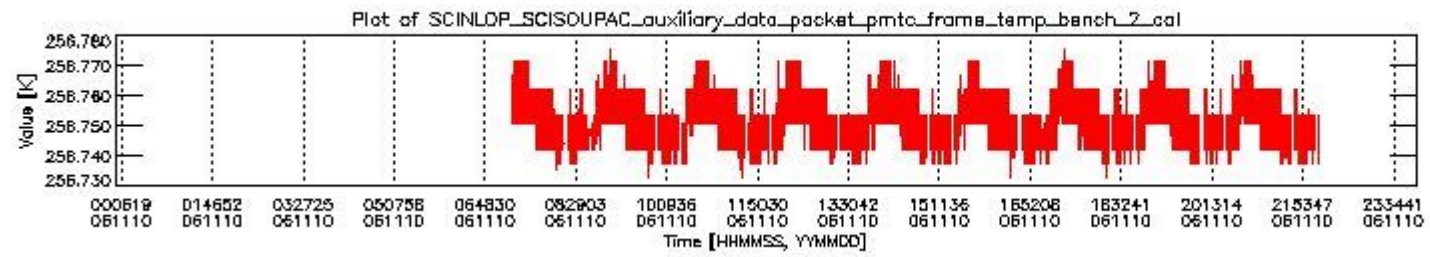
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20061110_061944_000035602052_00449_24551_1304.N1	10NOV2006 06:19:44	10NOV2006 07:19:05	1	0	1	0	0
1	SCI_NL__0PNPDK20061110_071756_000059672052_00450_24552_1305.N1	10NOV2006 07:17:56	10NOV2006 08:57:24	1	0	1	0	0
2	SCI_NL__0PNPDK20061110_085628_000060362052_00451_24553_1306.N1	10NOV2006 08:56:28	10NOV2006 10:37:04	1	0	1	0	0
3	SCI_NL__0PNPDK20061110_103608_000060232052_00452_24554_1307.N1	10NOV2006 10:36:08	10NOV2006 12:16:32	1	0	1	0	0
4	SCI_NL__0PNPDK20061110_121536_000059802052_00453_24555_1308.N1	10NOV2006 12:15:36	10NOV2006 13:55:16	1	0	1	0	0
5	SCI_NL__0PNPDK20061110_135420_000059802052_00454_24556_1309.N1	10NOV2006 13:54:20	10NOV2006 15:34:01	1	0	1	0	0
6	SCI_NL__0PNPDK20061110_153143_000059792052_00455_24557_1310.N1	10NOV2006 15:31:43	10NOV2006 17:11:22	1	0	1	0	0
7	SCI_NL__0PNPDK20061110_170931_000057222052_00456_24558_1311.N1	10NOV2006 17:09:31	10NOV2006 18:44:53	1	0	1	0	0
8	SCI_NL__0PNPDK20061110_184911_000057382052_00457_24559_1312.N1	10NOV2006 18:49:11	10NOV2006 20:24:50	1	0	1	0	0
9	SCI_NL__0PNPDK20061110_202947_000061472052_00458_24560_1313.N1	10NOV2006 20:29:47	10NOV2006 22:12:15	1	0	1	0	0

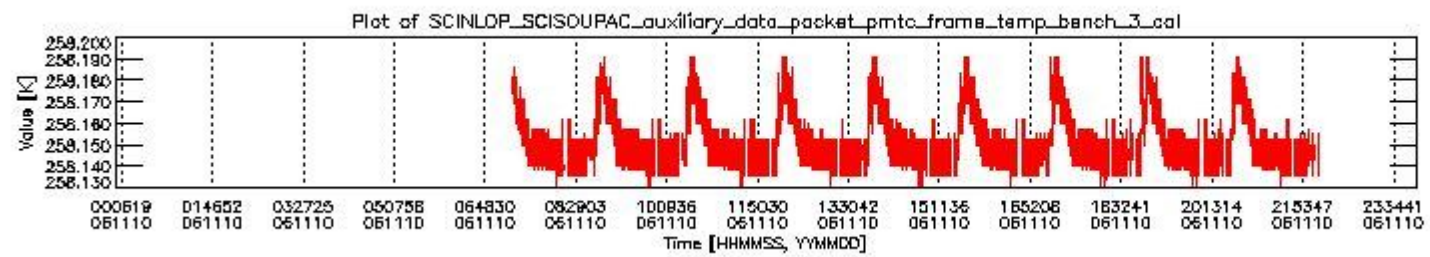
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

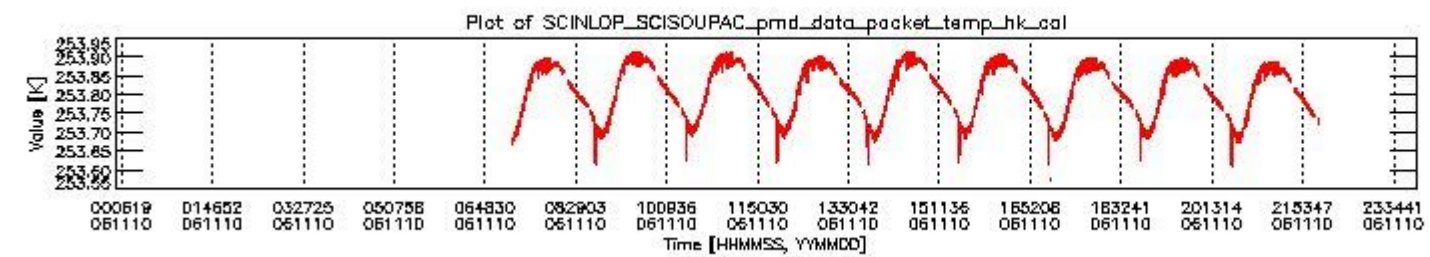




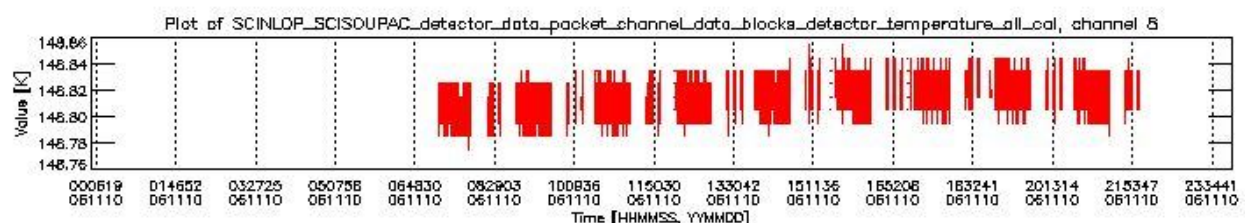
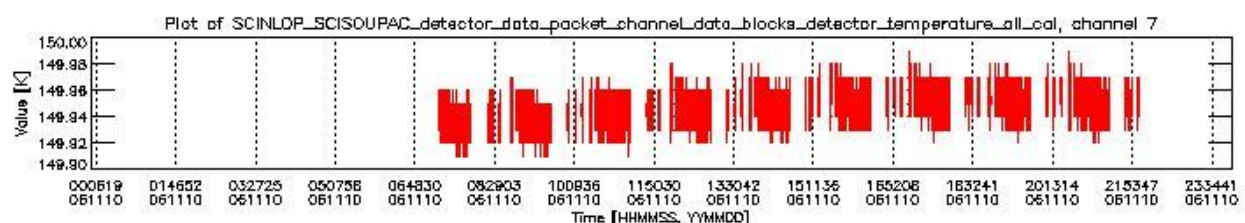
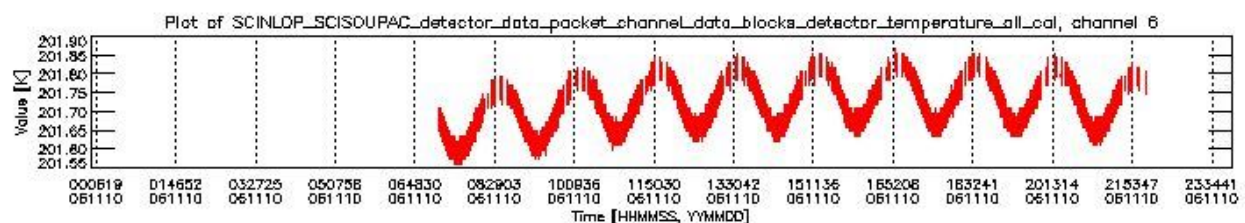
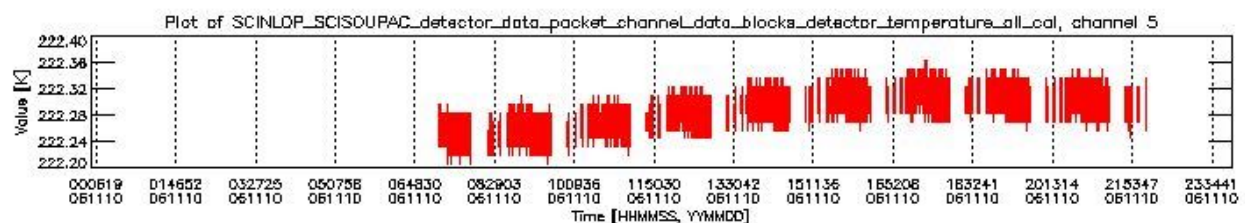
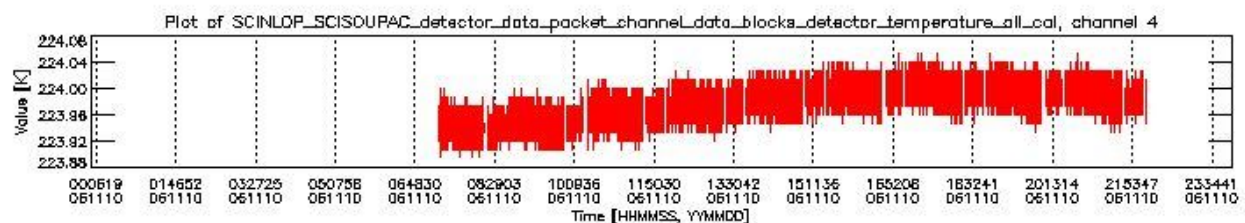
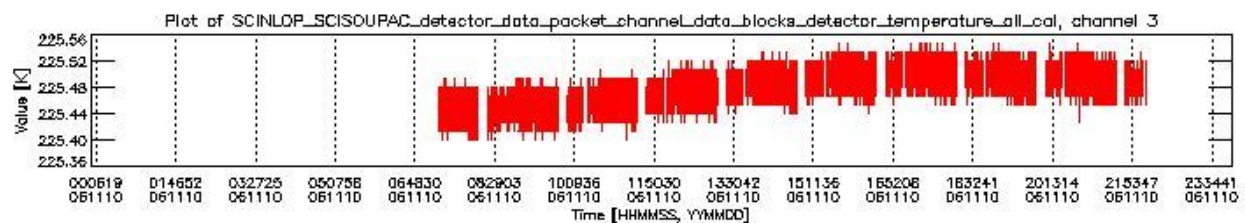
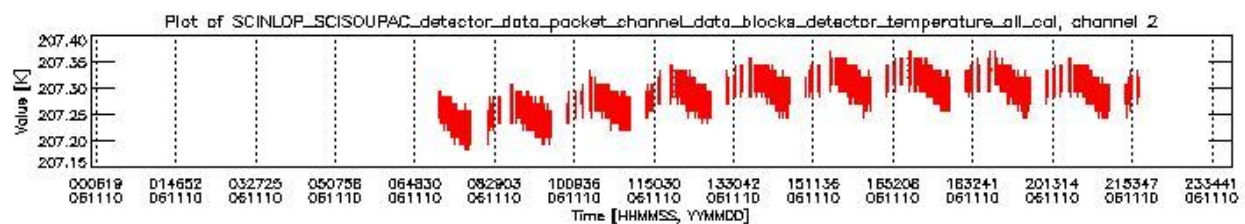
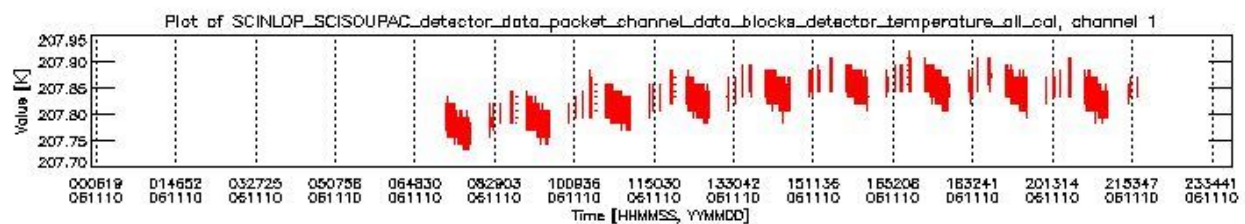
sciamachy_daily_report_level0_PFHS_5_37_N_20061110_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061110_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061110_3.PNG

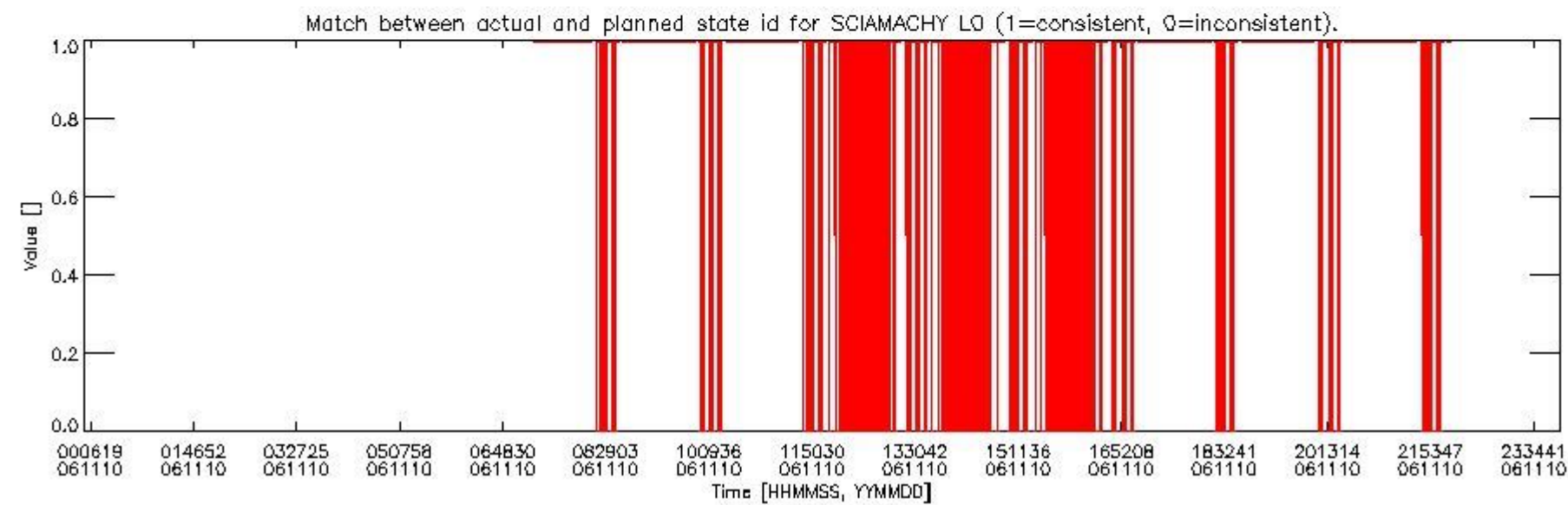
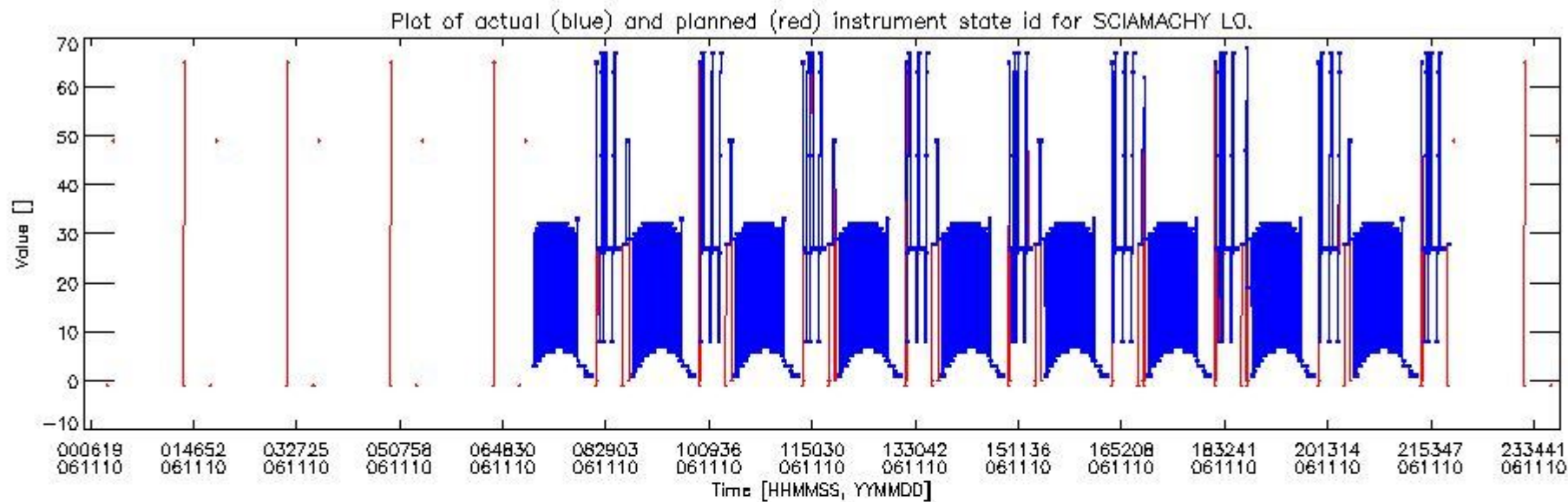


0.3 State monitoring

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: **364**

#	Actual time	Actual value	Planned time	Planned value
0	10NOV2006 08:20:35.734409	27	10NOV2006 08:20:35.734409	0
1	10NOV2006 08:22:47.906253	8	10NOV2006 08:22:47.906253	27
2	10NOV2006 08:23:31.468761	26	10NOV2006 08:23:31.468761	8
3	10NOV2006 08:24:05.027380	46	10NOV2006 08:24:05.027380	26
4	10NOV2006 08:24:18.582044	63	10NOV2006 08:24:18.582044	46
5	10NOV2006 08:24:52.140622	67	10NOV2006 08:24:52.140622	63
6	10NOV2006 08:24:52.390631	67	10NOV2006 08:24:52.390631	63
7	10NOV2006 08:26:15.707057	8	10NOV2006 08:26:15.707057	67
8	10NOV2006 08:26:59.261719	26	10NOV2006 08:26:59.261719	8
9	10NOV2006 08:27:32.824241	46	10NOV2006 08:27:32.824241	26
10	10NOV2006 08:27:46.382807	63	10NOV2006 08:27:46.382807	46
11	10NOV2006 08:28:19.941427	67	10NOV2006 08:28:19.941427	63
12	10NOV2006 08:28:20.191395	67	10NOV2006 08:28:20.191395	63
13	10NOV2006 08:29:43.500016	27	10NOV2006 08:29:43.500016	67
14	10NOV2006 08:34:51.910131	8	10NOV2006 08:34:51.910131	27
15	10NOV2006 08:35:35.472639	26	10NOV2006 08:35:35.472639	8
16	10NOV2006 08:36:09.027315	46	10NOV2006 08:36:09.027315	26
17	10NOV2006 08:36:22.589824	63	10NOV2006 08:36:22.589824	46
18	10NOV2006 08:36:56.144501	67	10NOV2006 08:36:56.144501	63
19	10NOV2006 08:36:56.394509	67	10NOV2006 08:36:56.394509	63
...

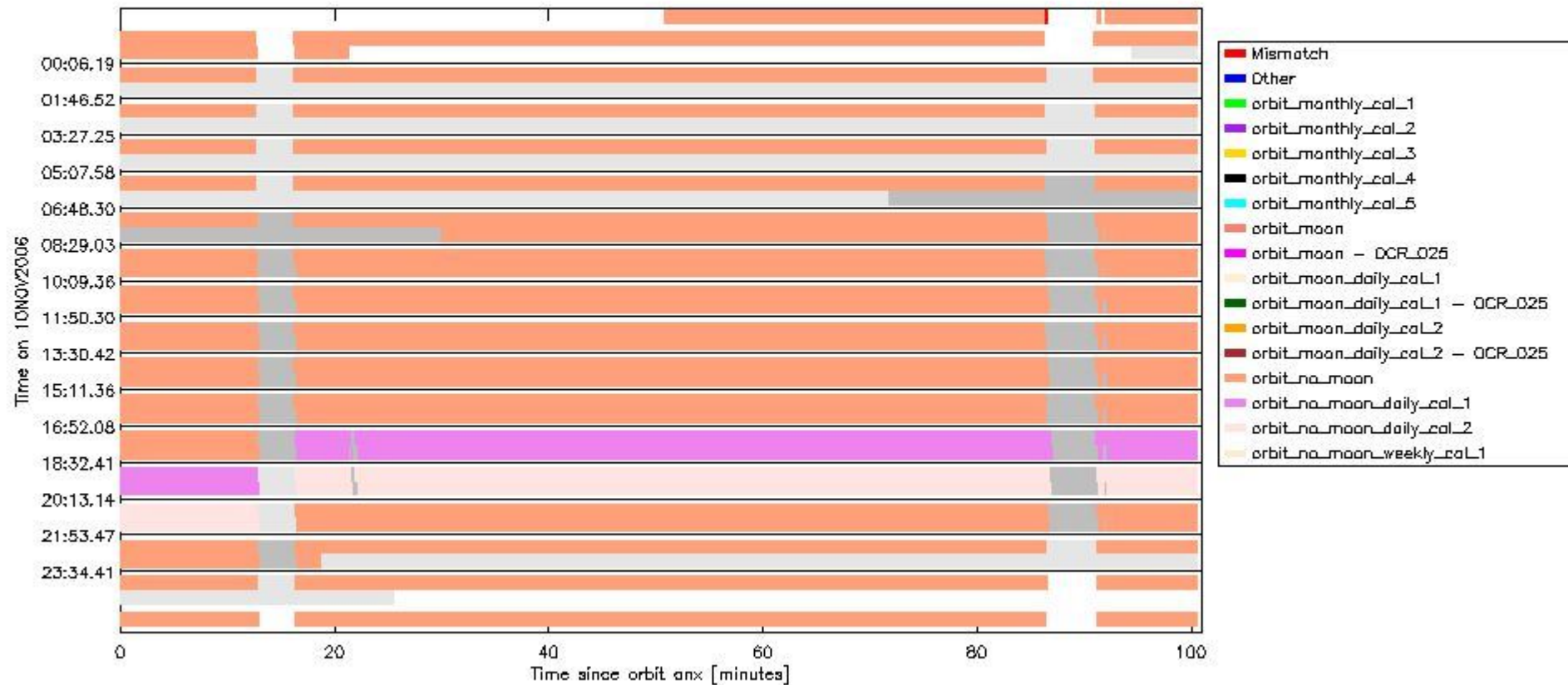


sciamachy_daily_report_level0_PFHS_5_37_N_20061110_5.PNG

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 10NOV2006.
 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_PFHS_5_37_N_20061110_6.PNG

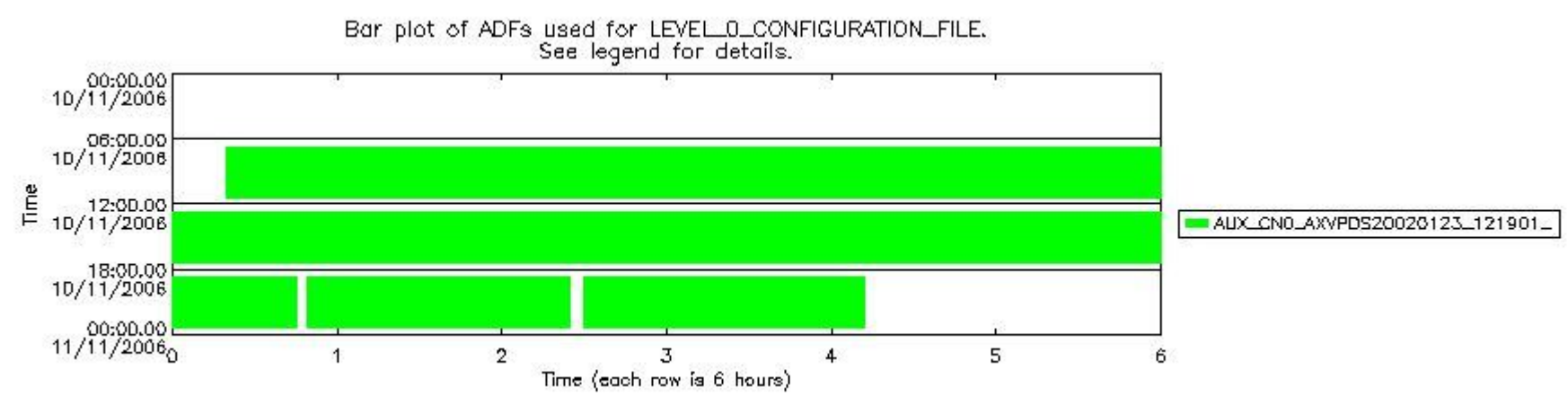
0.4 ADF monitoring

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

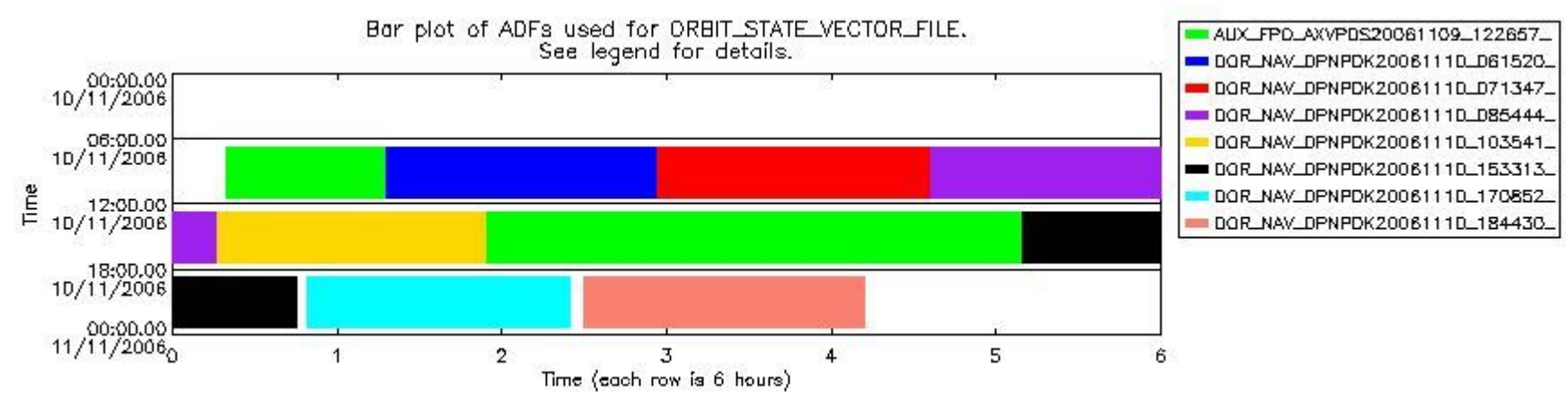
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

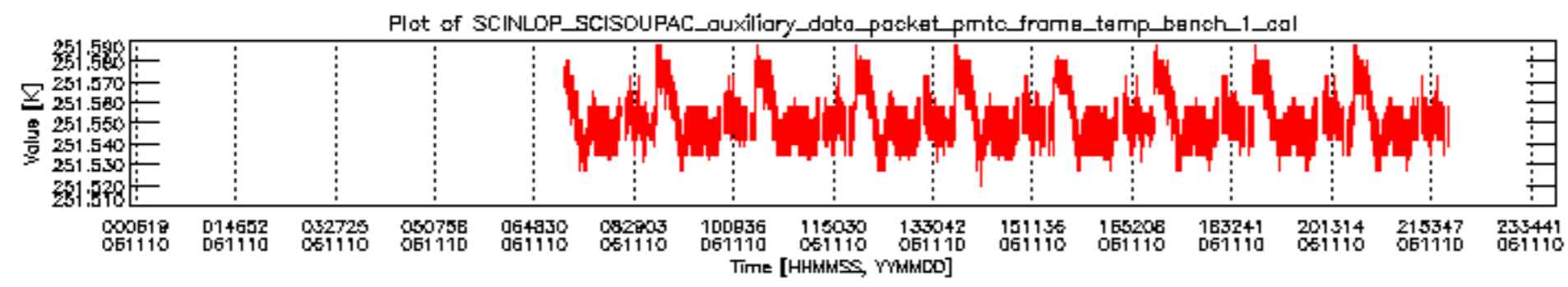
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20061109_122657_20061108_193557_20061118_210210
2	DOR_NAV_OPNPKD20061110_061520_000035062052_00449_24551_1359.N1
3	DOR_NAV_OPNPKD20061110_071347_000057382052_00450_24552_1360.N1
4	DOR_NAV_OPNPKD20061110_085444_000057382052_00451_24553_1361.N1
5	DOR_NAV_OPNPKD20061110_103541_000054192052_00452_24554_1362.N1
6	DOR_NAV_OPNPKD20061110_153313_000054192052_00455_24557_1365.N1
7	DOR_NAV_OPNPKD20061110_170852_000054192052_00456_24558_1366.N1
8	DOR_NAV_OPNPKD20061110_184430_000057382052_00457_24559_1367.N1

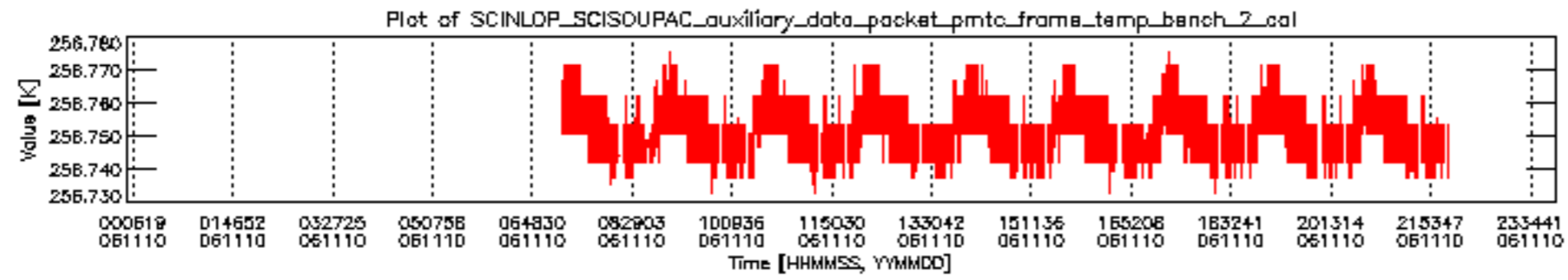


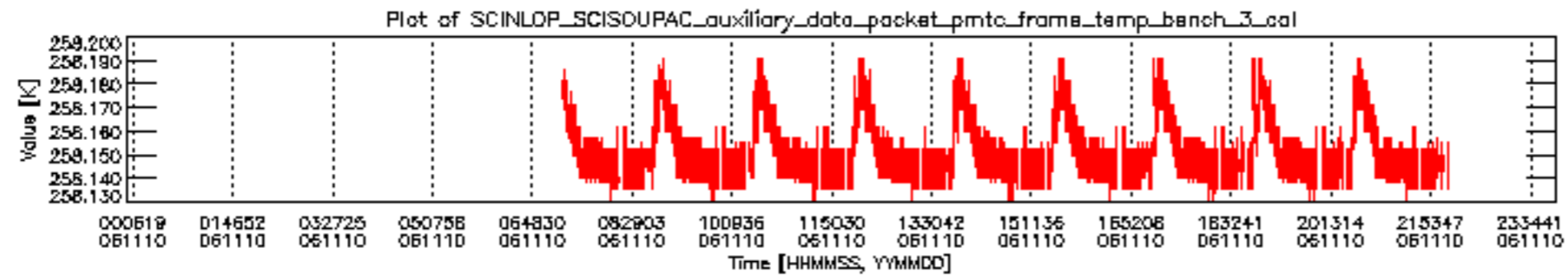
sciamachy_daily_report_level0_PPHS_5_37_N_20061110_7.PNG

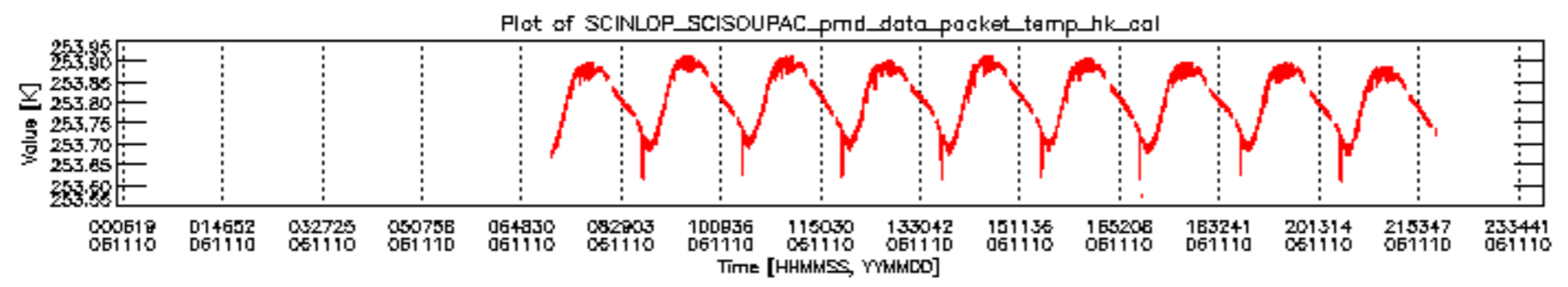


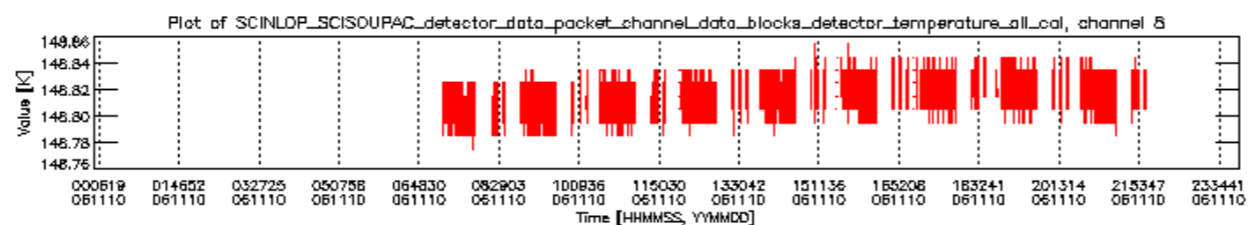
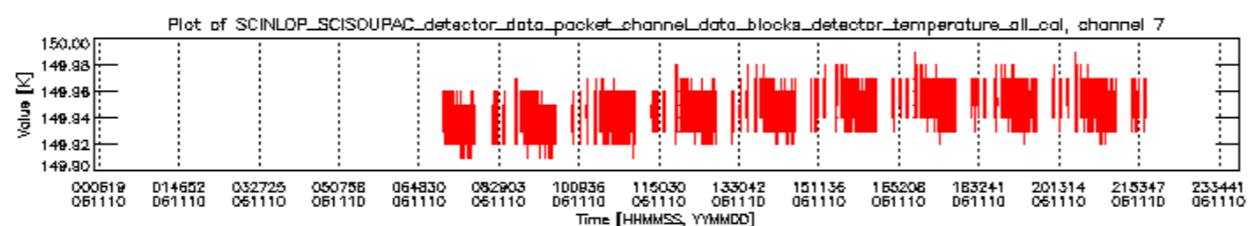
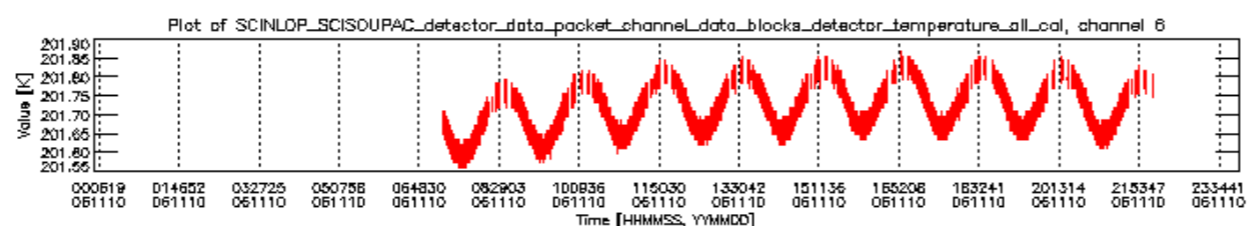
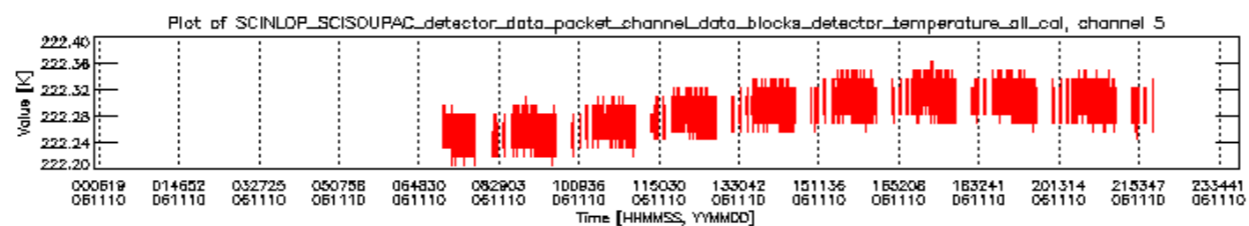
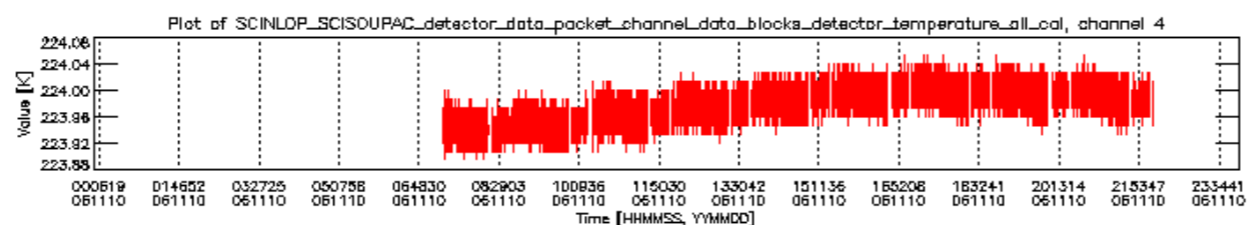
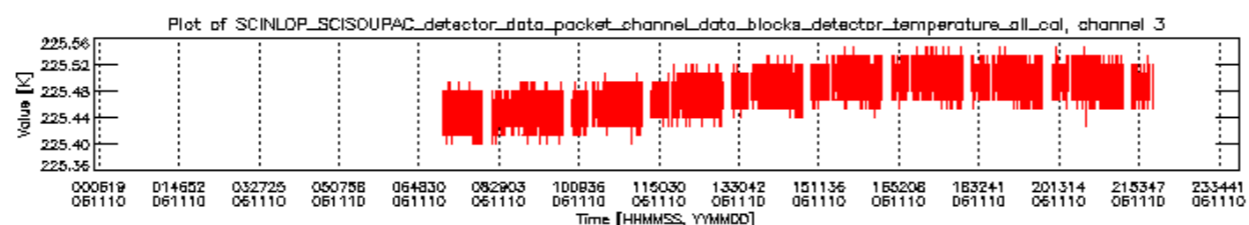
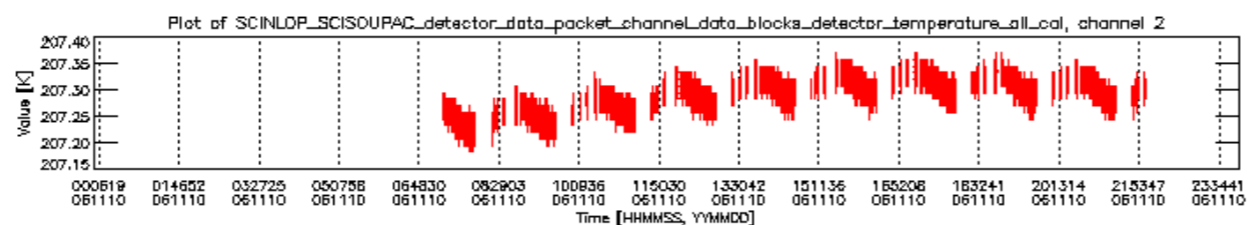
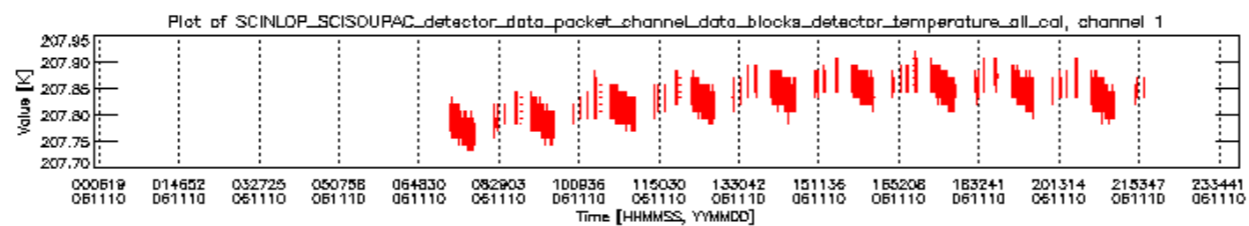
sciamachy_daily_report_level0_PPHS_5_37_N_20061110_8.PNG

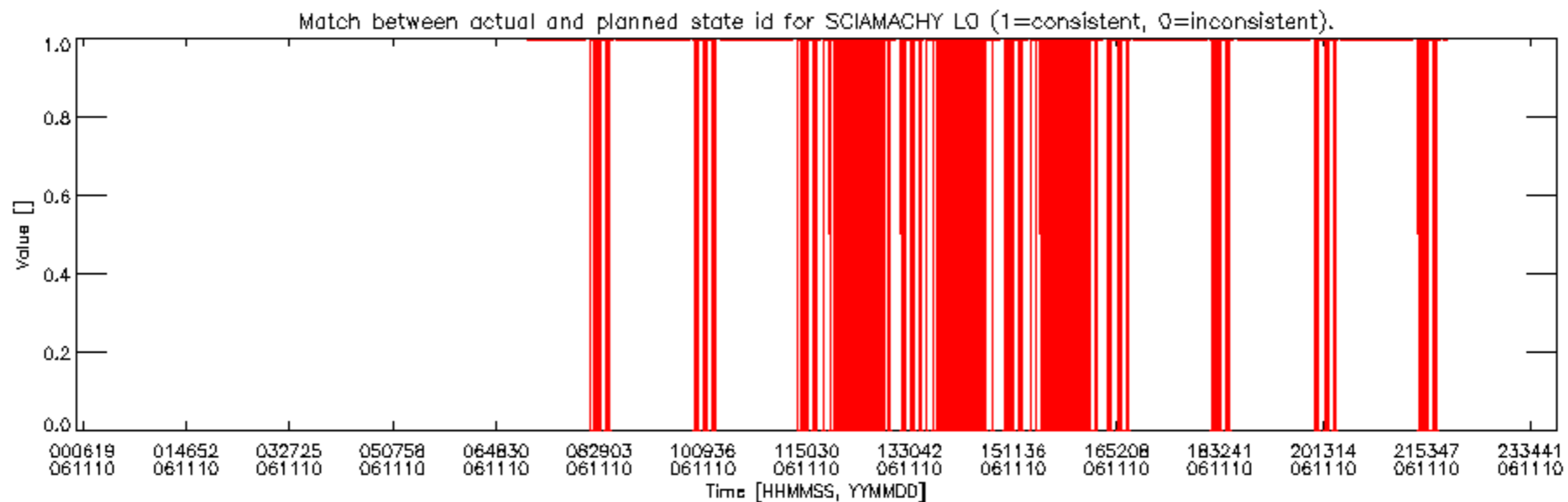
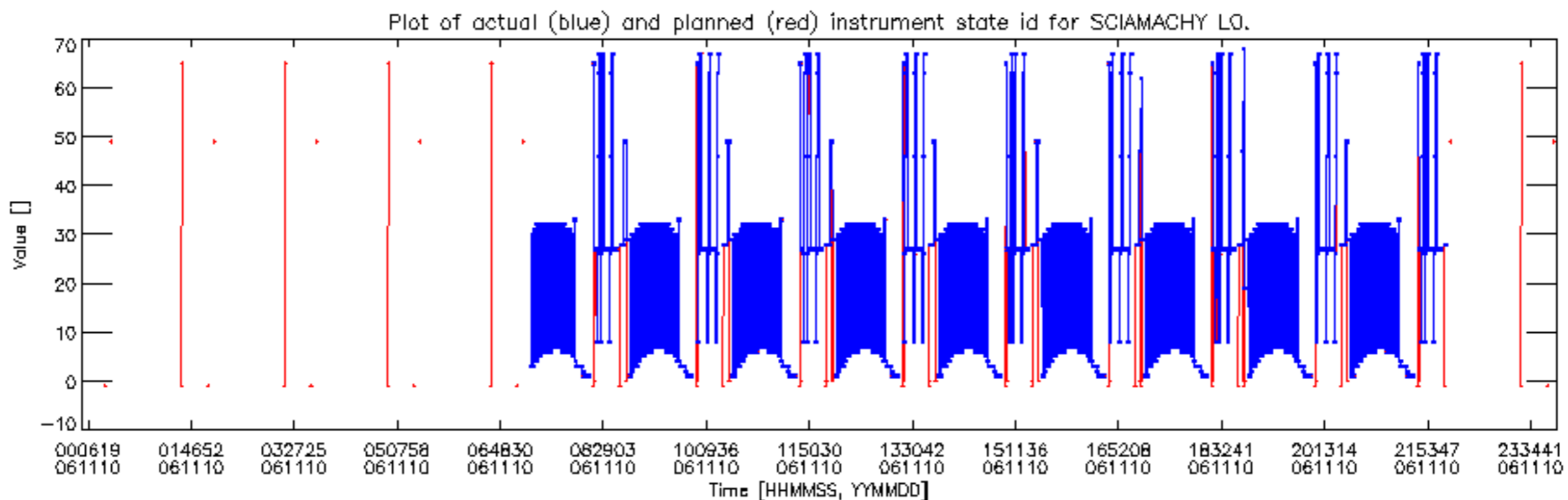












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