

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	15NOV2007 08:10:40
Data source version	KSPT_L0/4302-N
Processing scope for products	11NOV2007 00:00:00 to 12NOV2007 00:00:00
Start time of first product within scope	10NOV2007 23:53:54
Stop time of last product within scope	12NOV2007 00:56:57
Total number of level 0 products	16
Number of level 0 products with errors	1

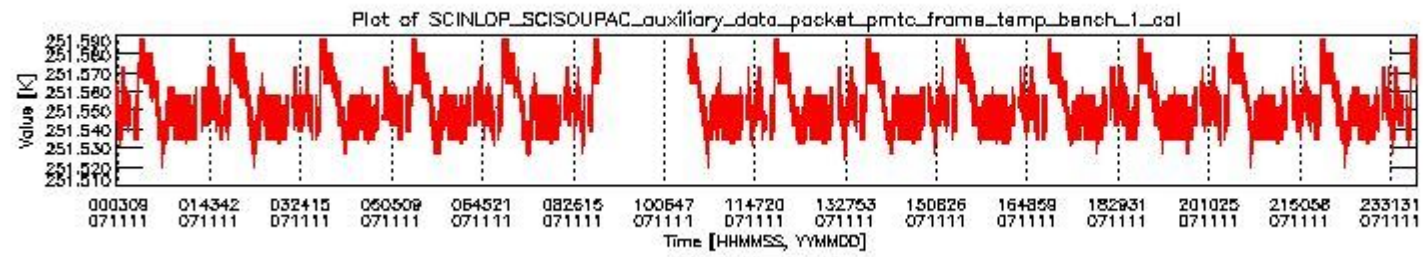
0.1.2 Summary per product

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

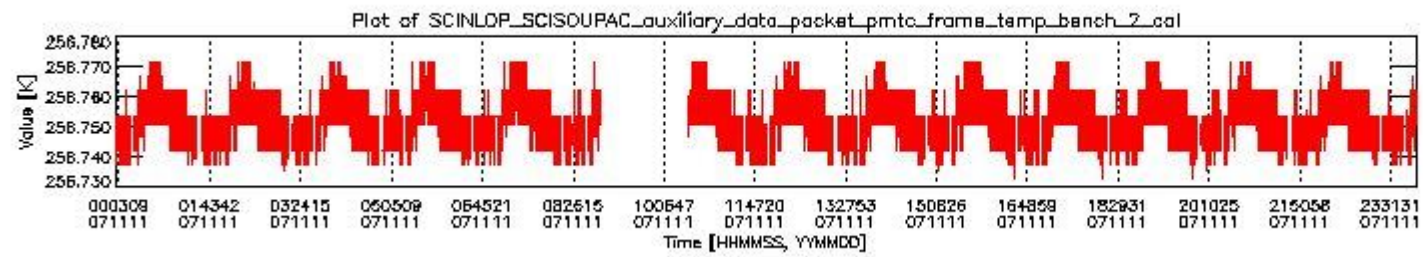
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDE20071110_235354_000056752063_00173_29786_5552.N1	10NOV2007 23:53:54	11NOV2007 01:28:29	0	0	0	0	0
1	SCI_NL__0PNPDE20071111_012829_000044242063_00174_29787_5553.N1	11NOV2007 01:28:29	11NOV2007 02:42:13	0	0	0	0	0
2	SCI_NL__0PNPDE20071111_024213_000062172063_00175_29788_5554.N1	11NOV2007 02:42:13	11NOV2007 04:25:49	0	0	0	0	0
3	SCI_NL__0PNPDE20071111_042453_000060362063_00176_29789_5555.N1	11NOV2007 04:24:53	11NOV2007 06:05:30	0	0	0	0	0
4	SCI_NL__0PNPDK20071111_060530_000040452063_00177_29790_6599.N1	11NOV2007 06:05:30	11NOV2007 07:12:55	0	0	0	0	0
5	SCI_NL__0PNPDK20071111_071146_000061732063_00178_29791_6600.N1	11NOV2007 07:11:46	11NOV2007 08:54:40	0	0	0	0	0
6	SCI_NL__0PNPDK20071111_085331_000061612063_00179_29792_6601.N1	11NOV2007 08:53:31	11NOV2007 10:36:12	1	1	0	0	0
7	SCI_NL__0PNPDK20071111_103408_000060362063_00180_29793_6602.N1	11NOV2007 10:34:08	11NOV2007 12:14:44	0	0	0	0	0
8	SCI_NL__0PNPDK20071111_121348_000059682063_00181_29794_6603.N1	11NOV2007 12:13:48	11NOV2007 13:53:16	0	0	0	0	0
9	SCI_NL__0PNPDK20071111_135124_000058432063_00182_29795_6604.N1	11NOV2007 13:51:24	11NOV2007 15:28:46	0	0	0	0	0
10	SCI_NL__0PNPDK20071111_152846_000060362063_00183_29796_6605.N1	11NOV2007 15:28:46	11NOV2007 17:09:23	0	0	0	0	0
11	SCI_NL__0PNPDK20071111_170730_000056282063_00184_29797_6606.N1	11NOV2007 17:07:30	11NOV2007 18:41:18	0	0	0	0	0
12	SCI_NL__0PNPDK20071111_184615_000060362063_00185_29798_6607.N1	11NOV2007 18:46:15	11NOV2007 20:26:51	0	0	0	0	0
13	SCI_NL__0PNPDE20071111_202651_000041332063_00186_29799_5556.N1	11NOV2007 20:26:51	11NOV2007 21:35:44	0	0	0	0	0
14	SCI_NL__0PNPDE20071111_213544_000060492063_00186_29799_5557.N1	11NOV2007 21:35:44	11NOV2007 23:16:33	0	0	0	0	0
15	SCI_NL__0PNPDE20071111_232222_000056752063_00187_29800_5558.N1	11NOV2007 23:22:22	12NOV2007 00:56:57	0	0	0	0	0

0.2 Product Quality Indicators

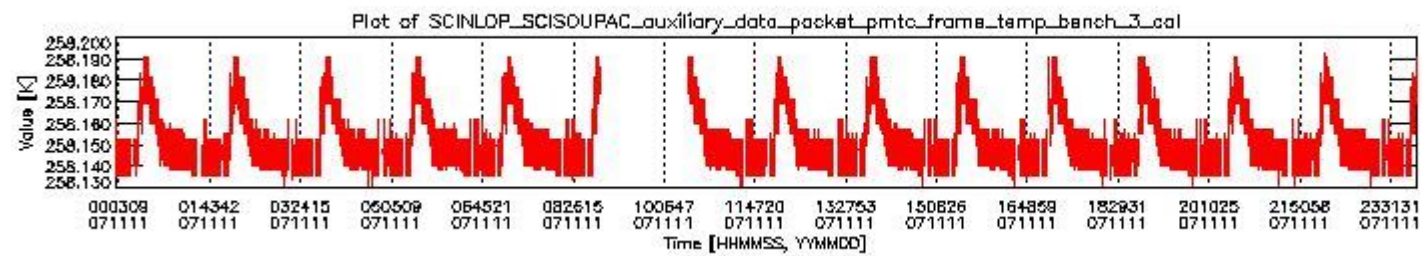
This section shows information about product quality, currently temperatures.



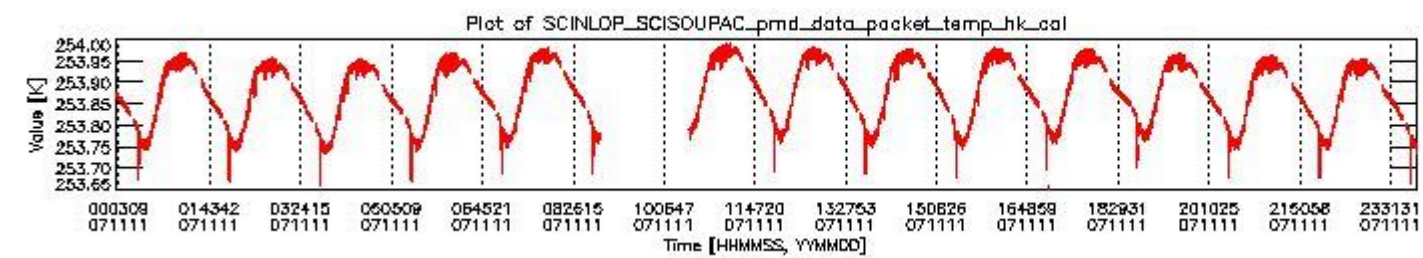
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071111_0.PNG



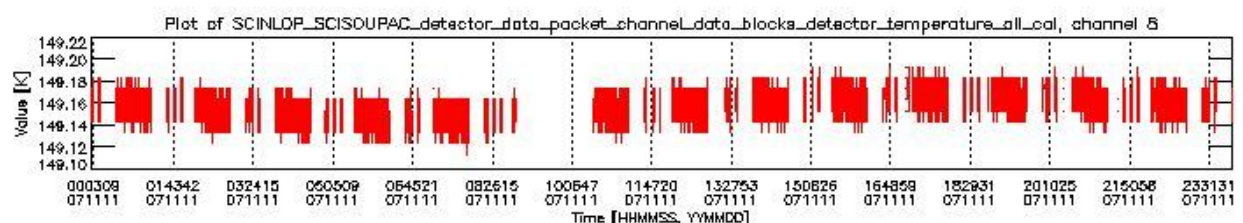
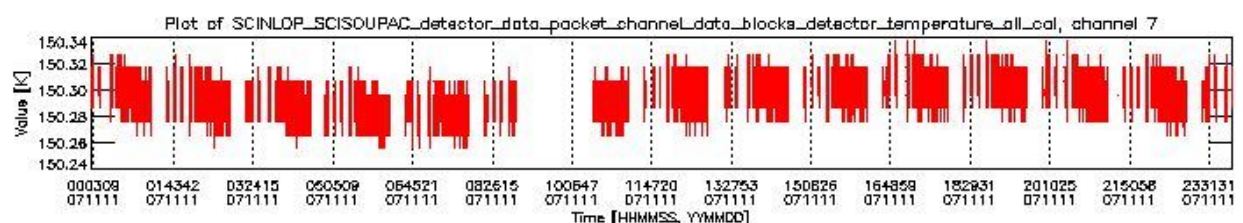
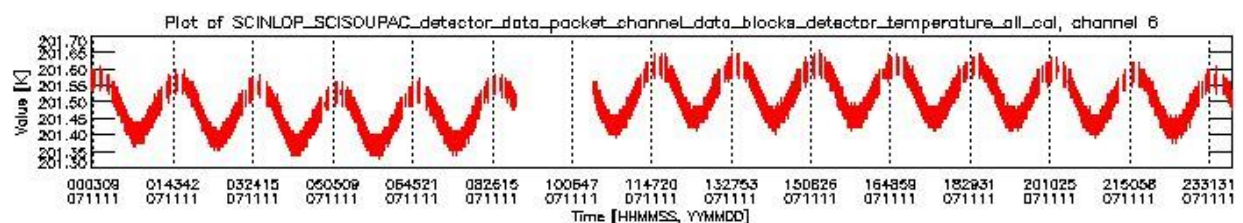
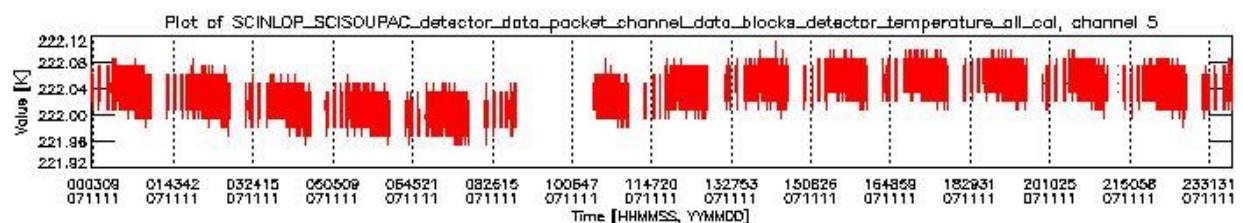
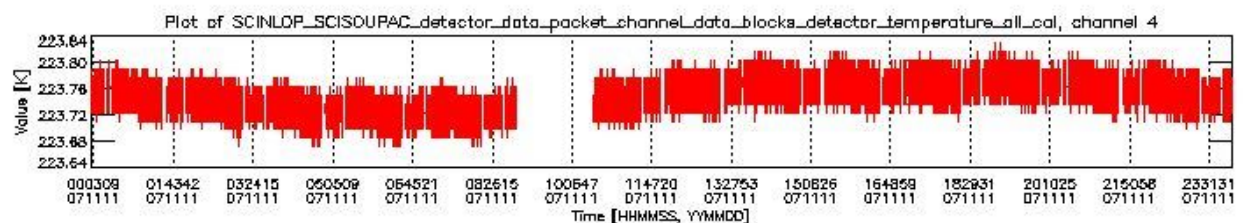
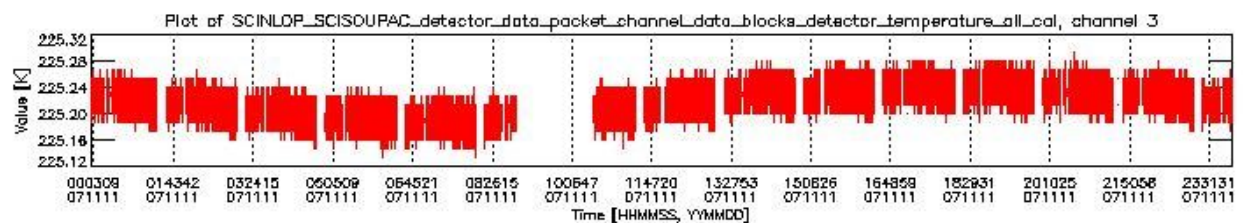
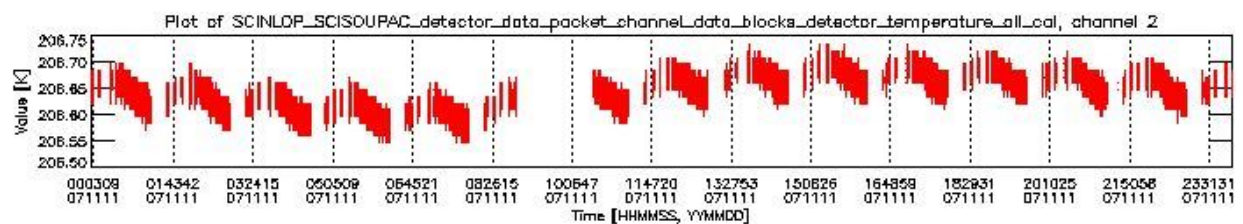
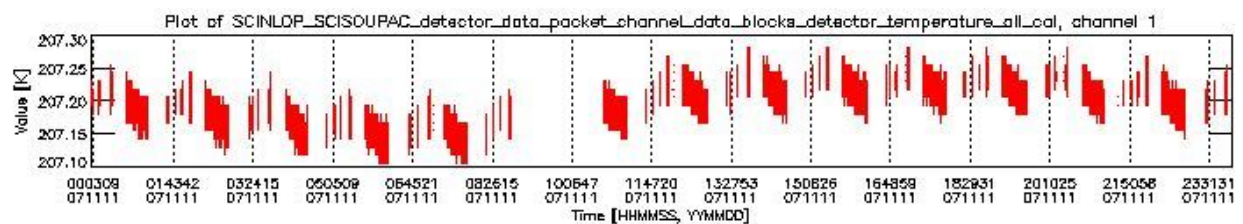
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071111_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071111_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071111_3.PNG

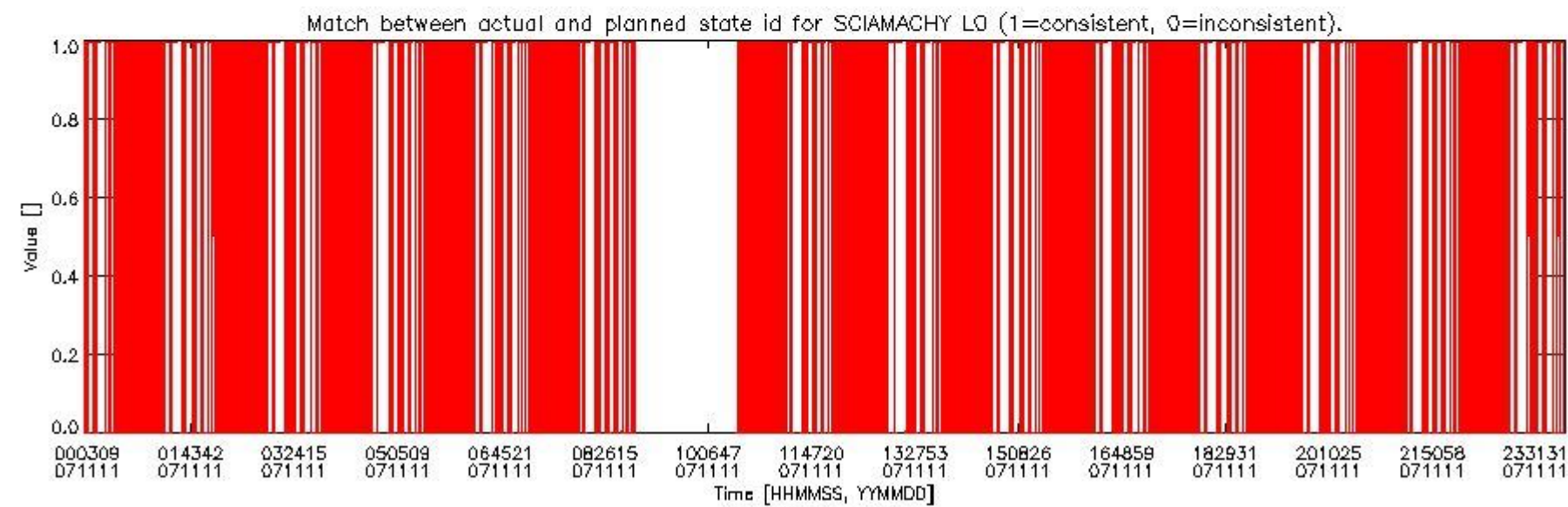
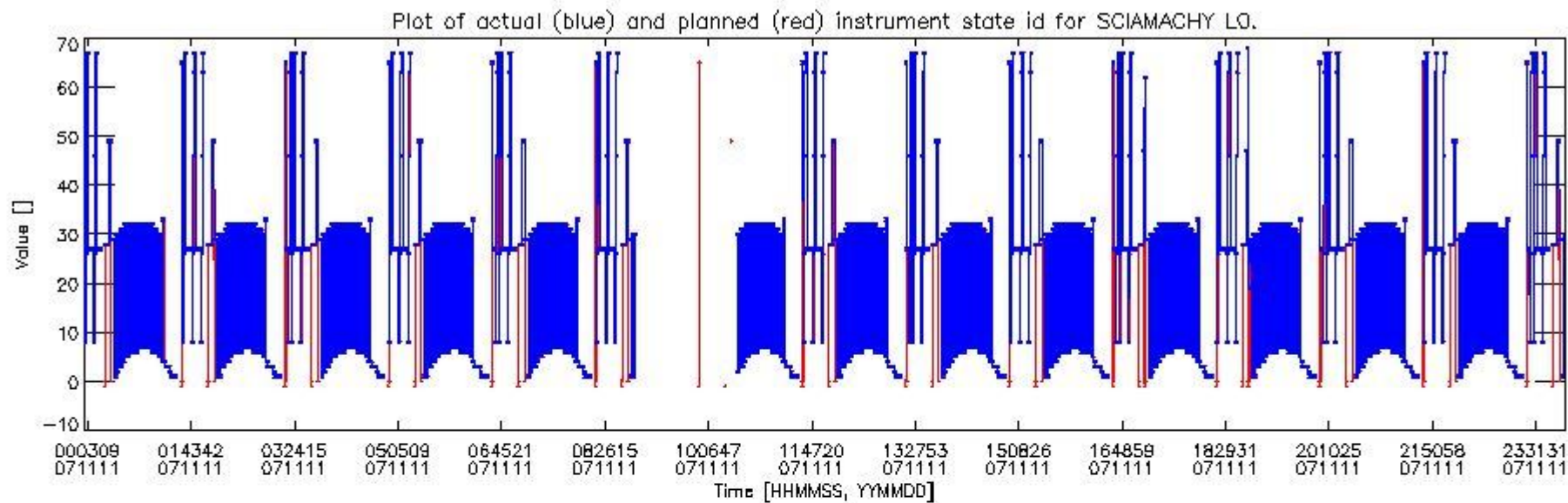


0.3 State monitoring

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: **34323**

#	Actual time	Actual value	Planned time	Planned value
0	11NOV2007 00:00:18.024002	8	11NOV2007 00:00:18.024002	67
1	11NOV2007 00:00:19.149001	8	11NOV2007 00:00:19.149001	67
2	11NOV2007 00:00:20.149036	8	11NOV2007 00:00:20.149036	67
3	11NOV2007 00:00:21.149030	8	11NOV2007 00:00:21.149030	67
4	11NOV2007 00:00:22.149025	8	11NOV2007 00:00:22.149025	67
5	11NOV2007 00:00:23.024015	8	11NOV2007 00:00:23.024015	67
6	11NOV2007 00:00:23.149019	8	11NOV2007 00:00:23.149019	67
7	11NOV2007 00:00:24.149014	8	11NOV2007 00:00:24.149014	67
8	11NOV2007 00:00:25.149009	8	11NOV2007 00:00:25.149009	67
9	11NOV2007 00:01:01.578704	26	11NOV2007 00:01:01.578704	8
10	11NOV2007 00:01:02.203686	26	11NOV2007 00:01:02.203686	8
11	11NOV2007 00:01:02.703703	26	11NOV2007 00:01:02.703703	8
12	11NOV2007 00:01:03.203721	26	11NOV2007 00:01:03.203721	8
13	11NOV2007 00:01:03.703698	26	11NOV2007 00:01:03.703698	8
14	11NOV2007 00:01:04.203715	26	11NOV2007 00:01:04.203715	8
15	11NOV2007 00:01:04.703692	26	11NOV2007 00:01:04.703692	8
16	11NOV2007 00:01:05.203710	26	11NOV2007 00:01:05.203710	8
17	11NOV2007 00:01:05.703687	26	11NOV2007 00:01:05.703687	8
18	11NOV2007 00:01:06.203704	26	11NOV2007 00:01:06.203704	8
19	11NOV2007 00:01:06.578718	26	11NOV2007 00:01:06.578718	8
...

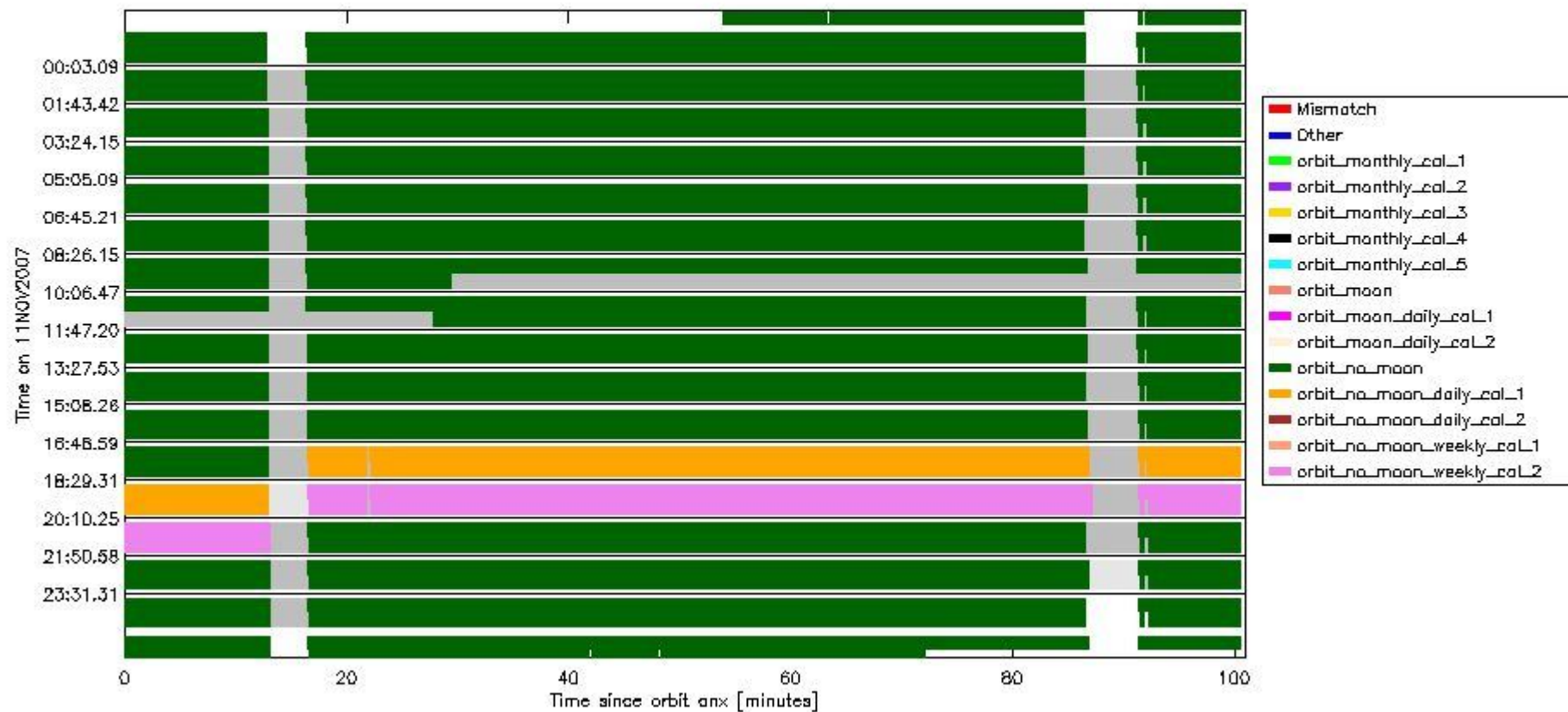


sciamachy_daily_report_level0_KSPT_L0_4302_N_20071111_5.PNG

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 11NOV2007.
 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_KSPT_L0_4302_N_20071111_6.PNG

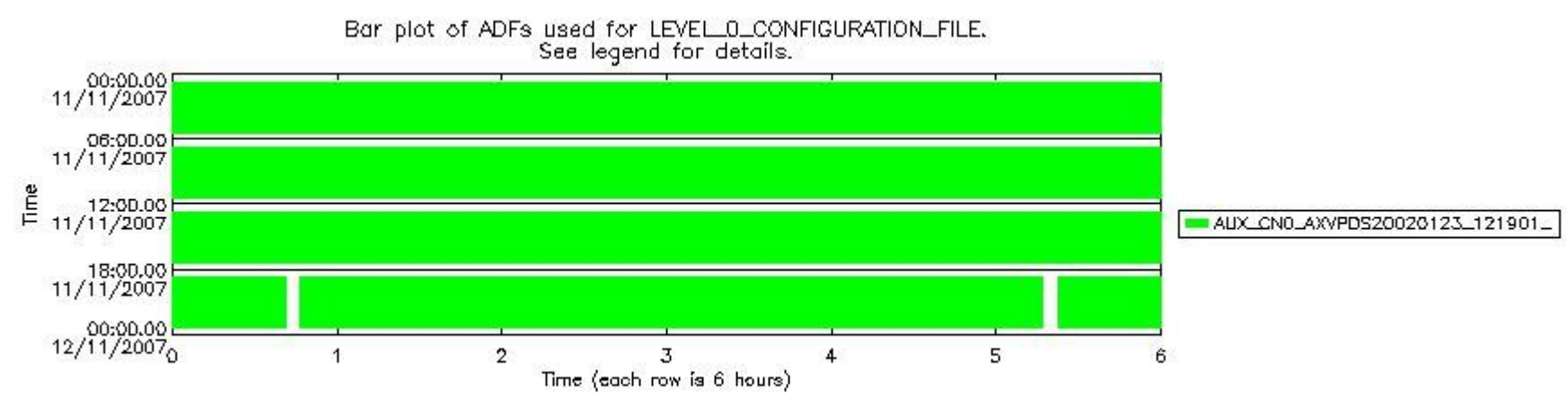
0.4 ADF monitoring

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

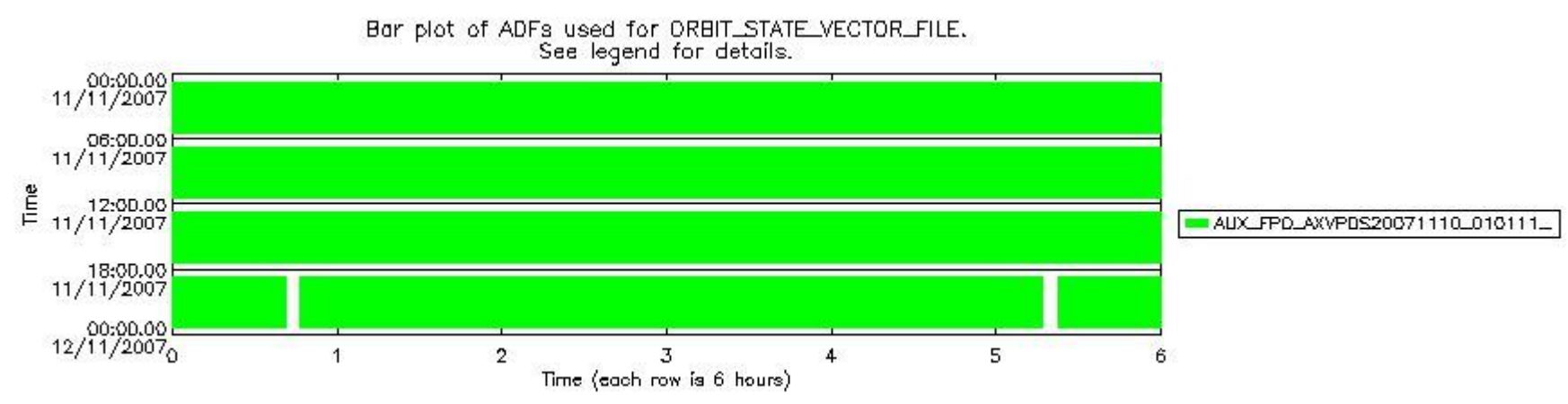
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

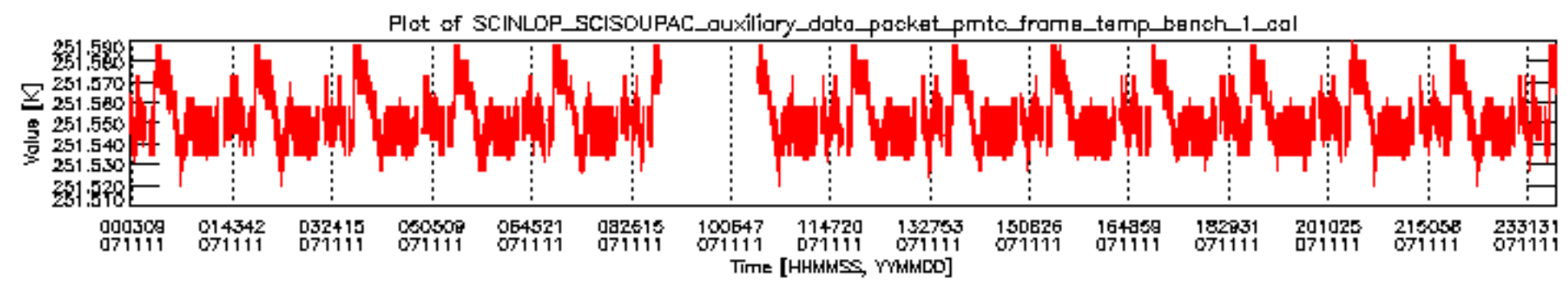
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20071110_010111_20071109_193256_20071119_205909

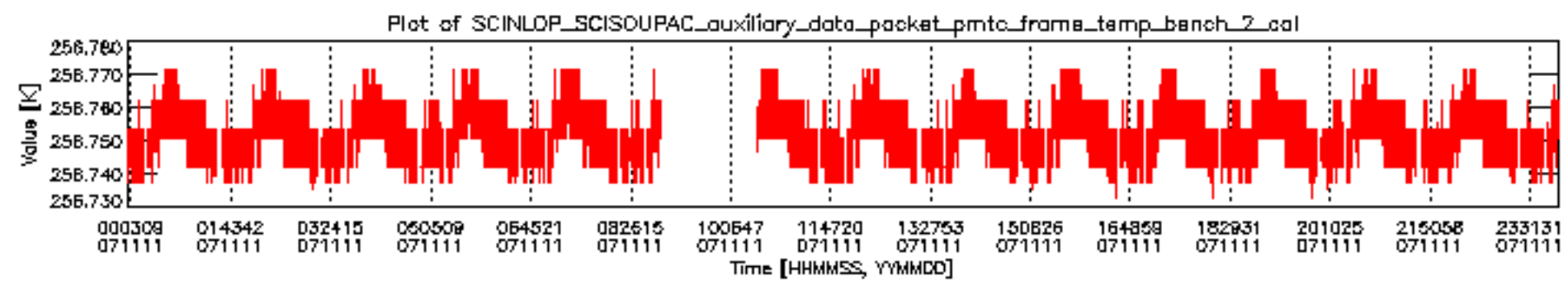


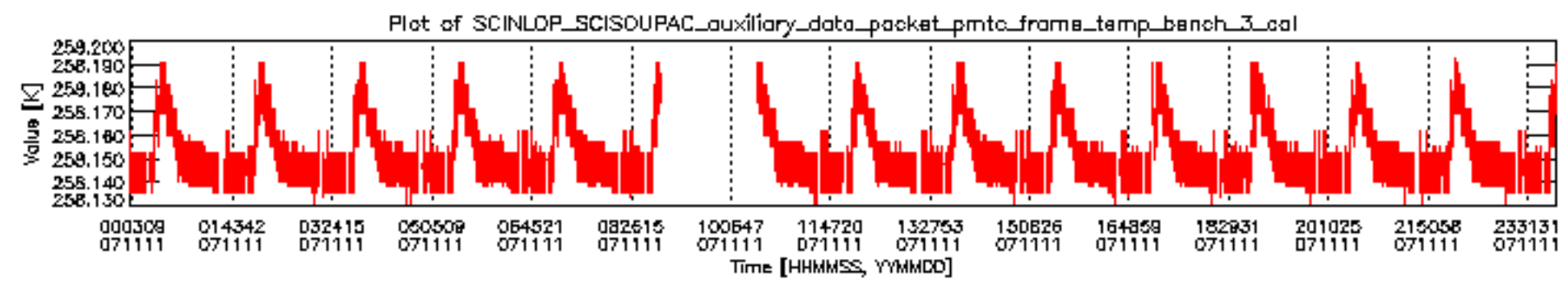
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071111_7.PNG

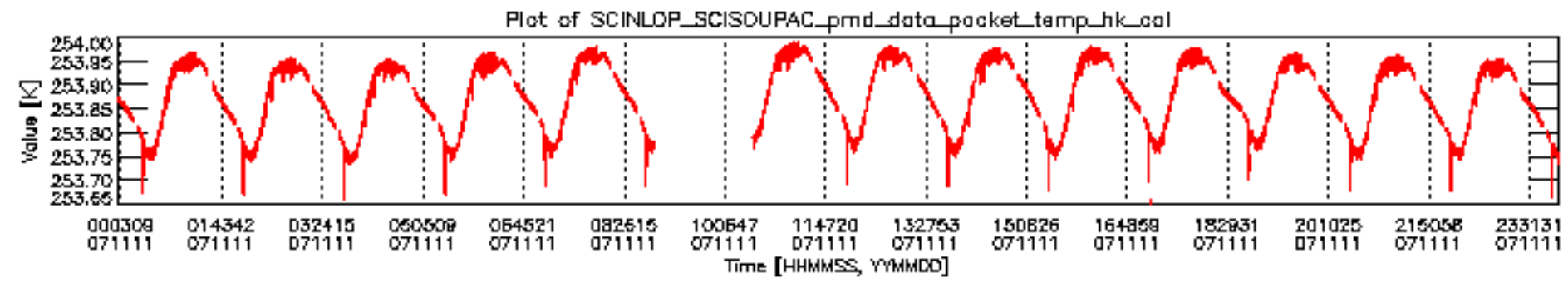


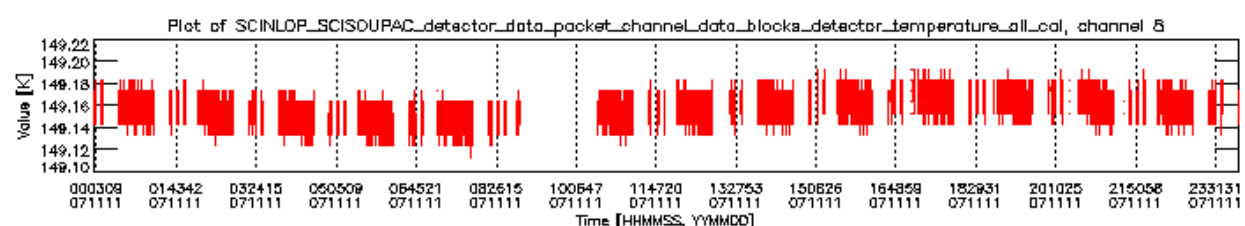
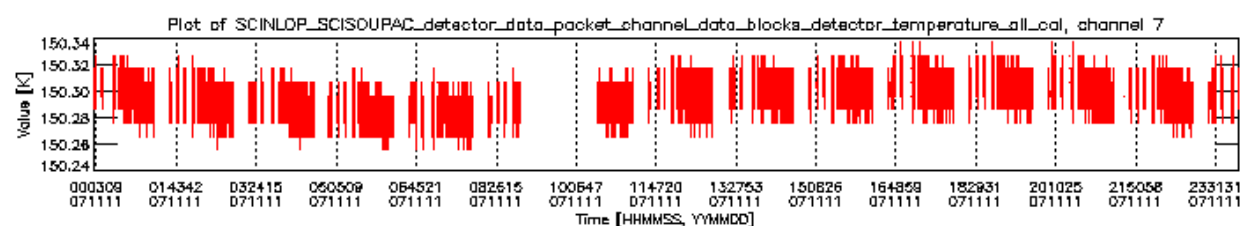
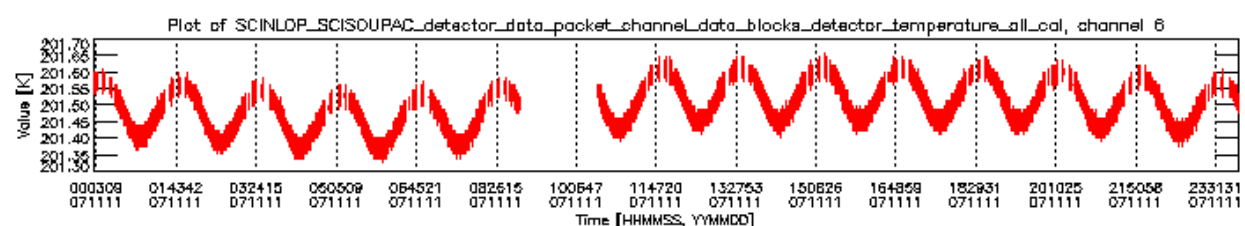
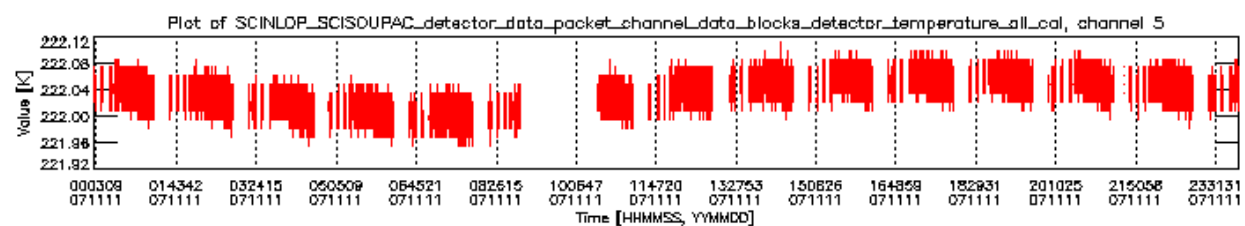
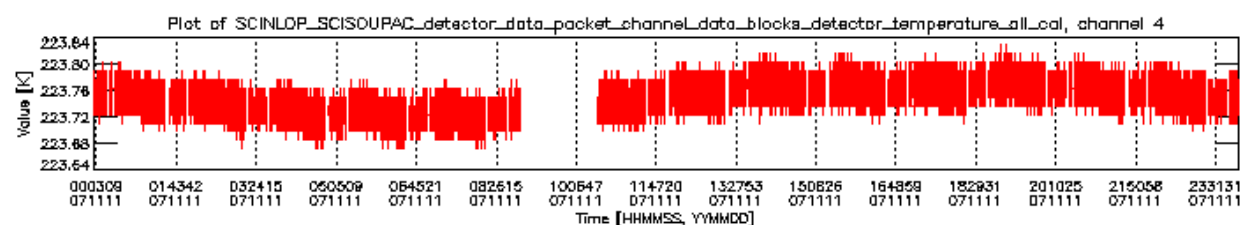
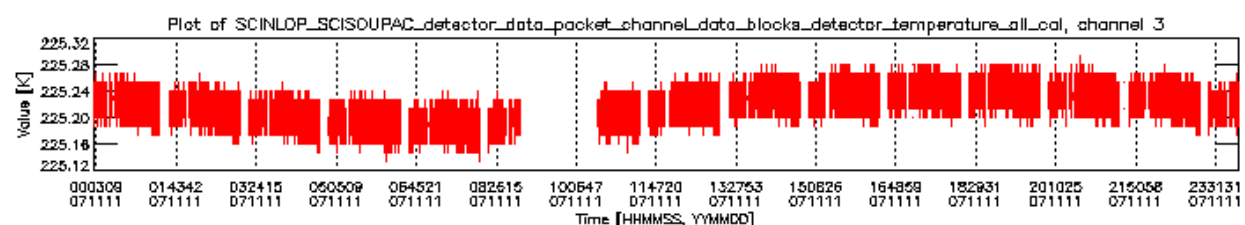
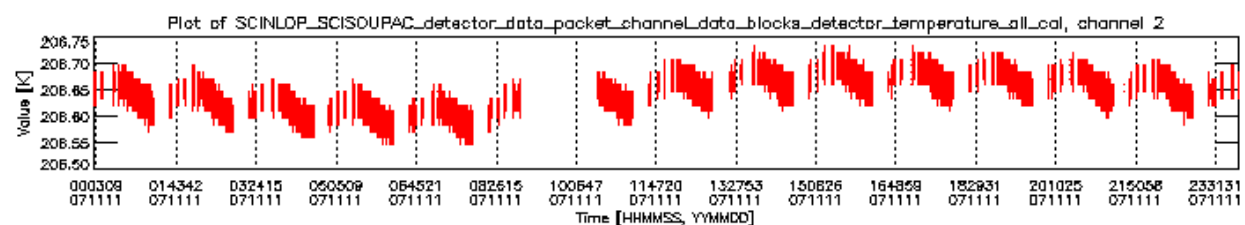
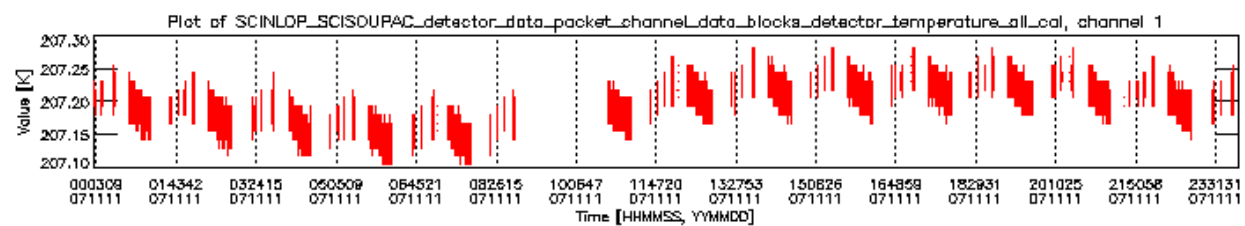
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071111_8.PNG

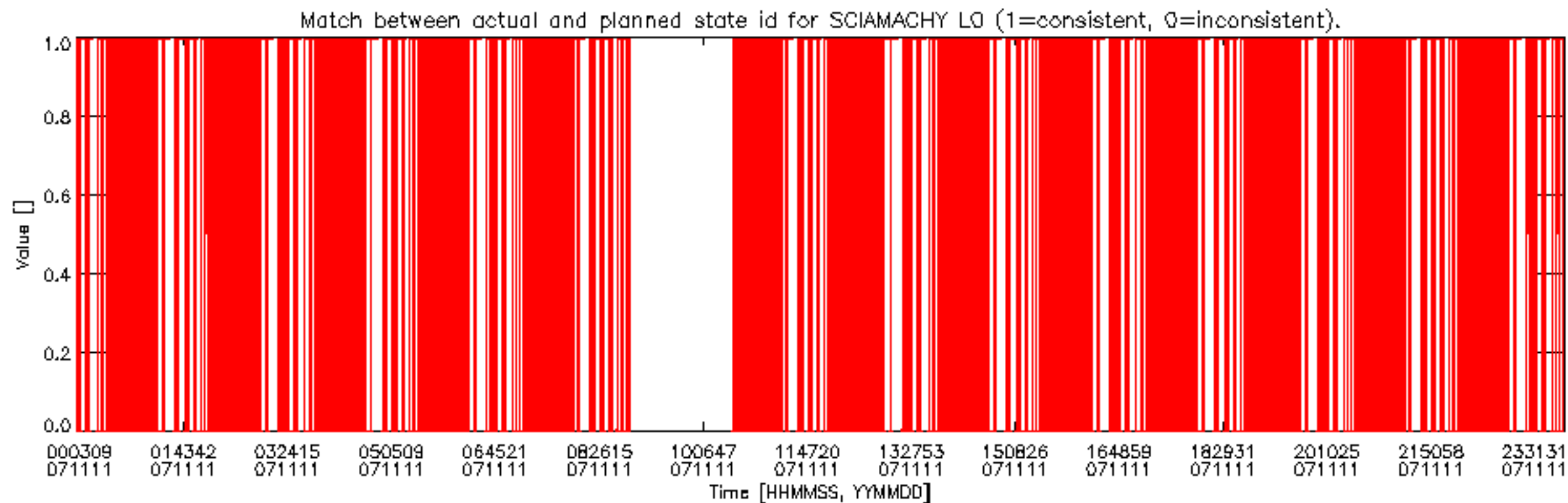
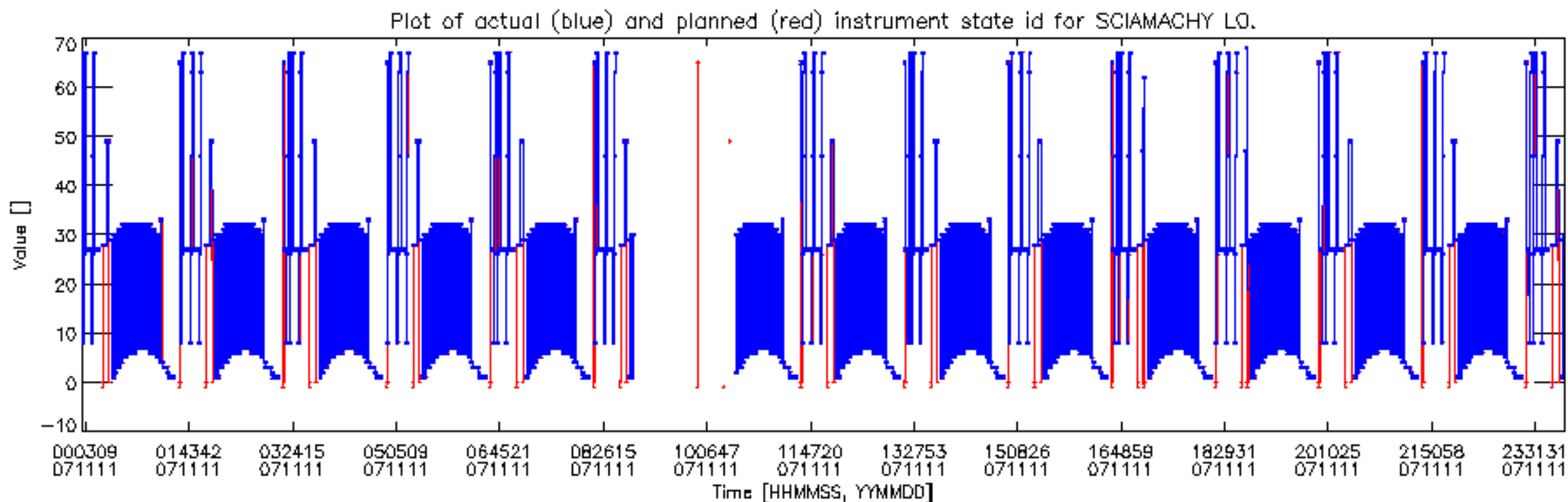












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