

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	01DEC2007 06:55:54
Data source version	KSPT_L0/4302-N
Processing scope for products	27NOV2007 00:00:00 to 28NOV2007 00:00:00
Start time of first product within scope	26NOV2007 23:52:15
Stop time of last product within scope	28NOV2007 00:55:07
Total number of level 0 products	16
Number of level 0 products with errors	0

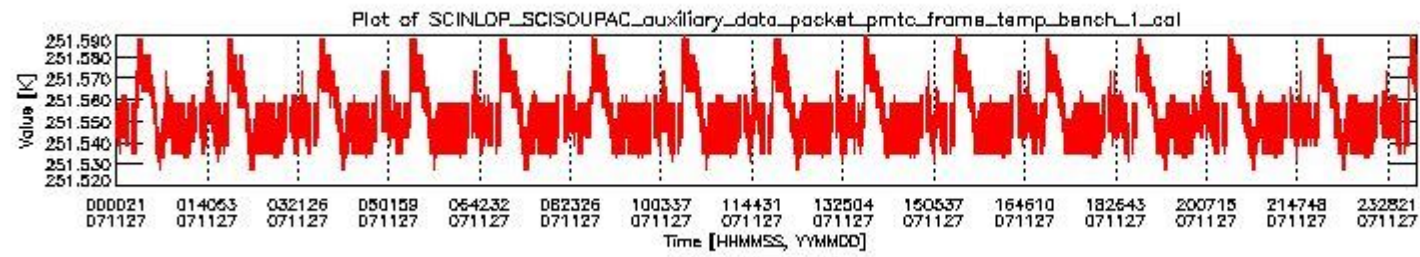
0.1.2 Summary per product

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

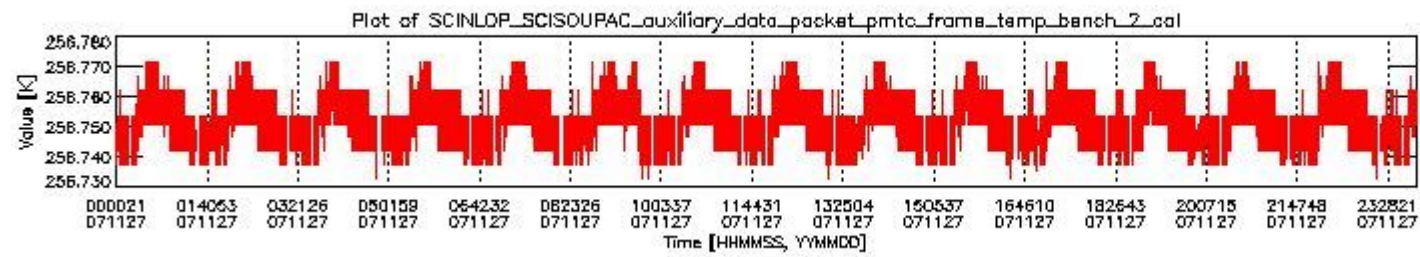
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20071126_235215_000056662063_00402_30015_5658.N1	26NOV2007 23:52:15	27NOV2007 01:26:41	0	0	0	0	0
1	SCI_NL__OPNPDE20071127_012641_000043682063_00403_30016_5659.N1	27NOV2007 01:26:41	27NOV2007 02:39:29	0	0	0	0	0
2	SCI_NL__OPNPDE20071127_023929_000061482063_00404_30017_5660.N1	27NOV2007 02:39:29	27NOV2007 04:21:57	0	0	0	0	0
3	SCI_NL__OPNPDE20071127_042157_000060492063_00405_30018_5661.N1	27NOV2007 04:21:57	27NOV2007 06:02:46	0	0	0	0	0
4	SCI_NL__OPNPDK20071127_060137_000041012063_00406_30019_6740.N1	27NOV2007 06:01:37	27NOV2007 07:09:58	0	0	0	0	0
5	SCI_NL__OPNPDK20071127_070902_000061612063_00407_30020_6741.N1	27NOV2007 07:09:02	27NOV2007 08:51:43	0	0	0	0	0
6	SCI_NL__OPNPDK20071127_085047_000059682063_00408_30021_6742.N1	27NOV2007 08:50:47	27NOV2007 10:30:15	0	0	0	0	0
7	SCI_NL__OPNPDK20071127_102823_000062162063_00409_30022_6743.N1	27NOV2007 10:28:23	27NOV2007 12:11:59	0	0	0	0	0
8	SCI_NL__OPNPDK20071127_121051_000059802063_00410_30023_6744.N1	27NOV2007 12:10:51	27NOV2007 13:50:31	0	0	0	0	0
9	SCI_NL__OPNPDK20071127_134935_000058422063_00411_30024_6745.N1	27NOV2007 13:49:35	27NOV2007 15:26:57	0	0	0	0	0
10	SCI_NL__OPNPDK20071127_152657_000059792063_00412_30025_6746.N1	27NOV2007 15:26:57	27NOV2007 17:06:37	0	0	0	0	0
11	SCI_NL__OPNPDK20071127_170445_000056922063_00413_30026_6747.N1	27NOV2007 17:04:45	27NOV2007 18:39:37	0	0	0	0	0
12	SCI_NL__OPNPDK20071127_184425_000057882063_00414_30027_6748.N1	27NOV2007 18:44:25	27NOV2007 20:20:53	0	0	0	0	0
13	SCI_NL__OPNPDE20071127_201925_000044912063_00415_30028_5662.N1	27NOV2007 20:19:25	27NOV2007 21:34:16	0	0	0	0	0
14	SCI_NL__OPNPDE20071127_214005_000056782063_00415_30028_5663.N1	27NOV2007 21:40:05	27NOV2007 23:14:44	0	0	0	0	0
15	SCI_NL__OPNPDE20071127_232041_000056662063_00416_30029_5664.N1	27NOV2007 23:20:41	28NOV2007 00:55:07	0	0	0	0	0

0.2 Product Quality Indicators

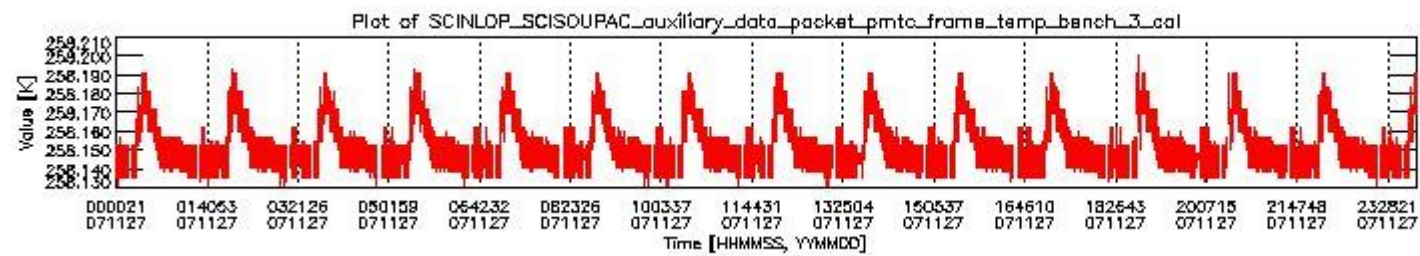
This section shows information about product quality, currently temperatures.



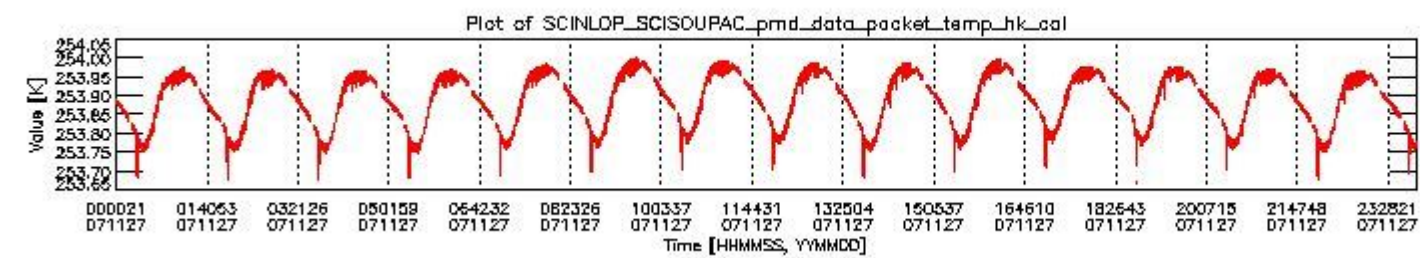
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071127_0.PNG



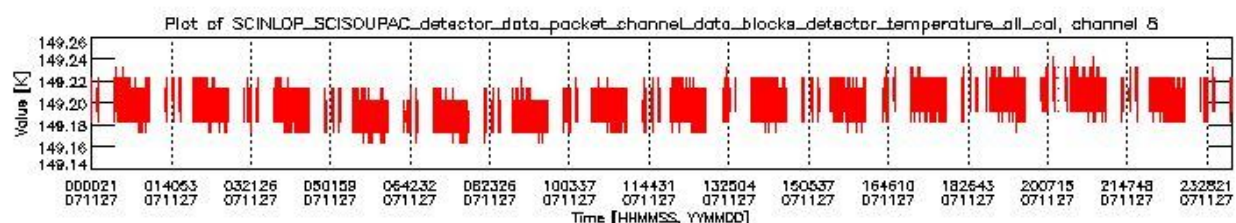
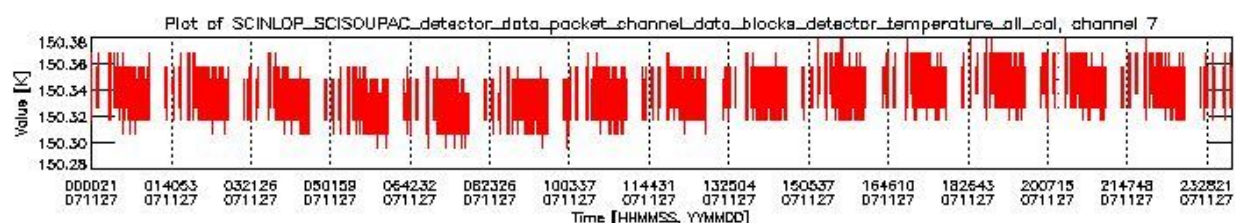
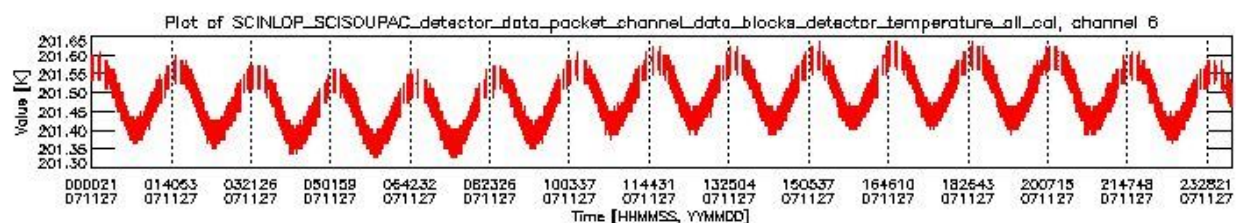
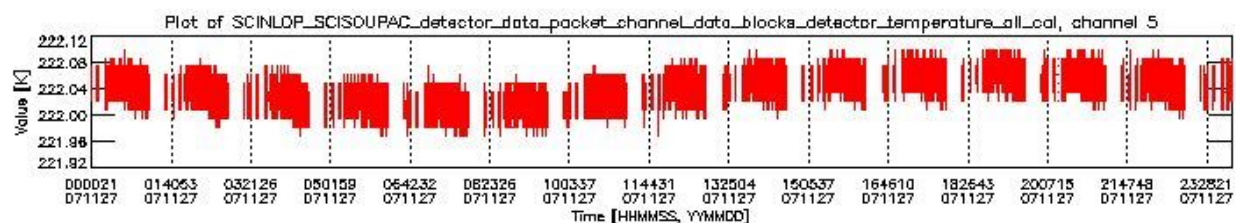
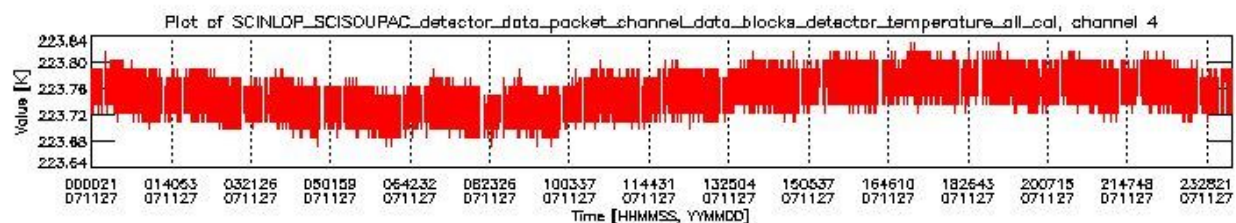
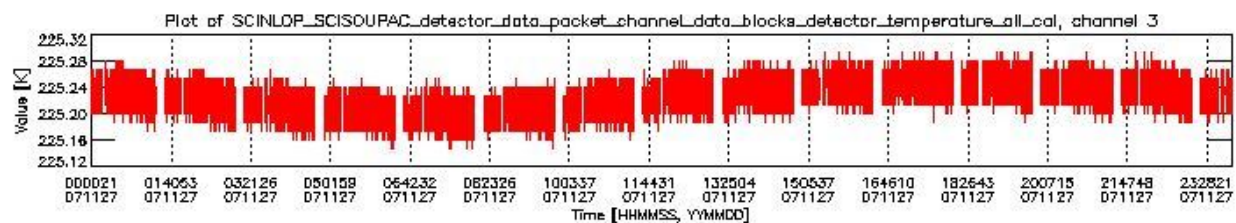
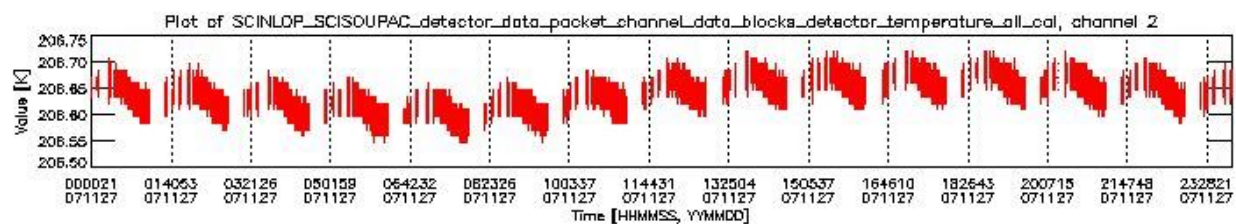
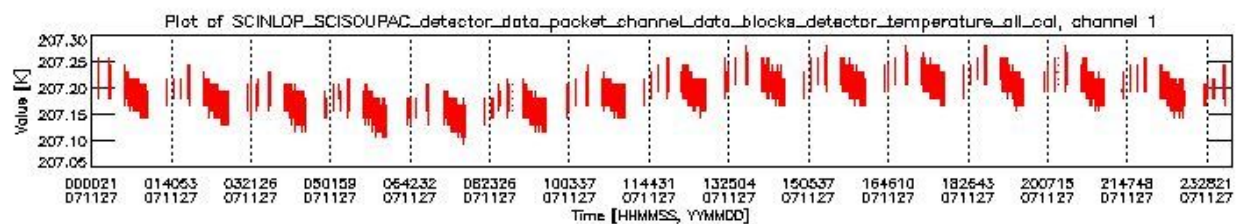
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sciamachy_daily_report_level0_KSPT_L0_4302_N_20071127_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071127_3.PNG

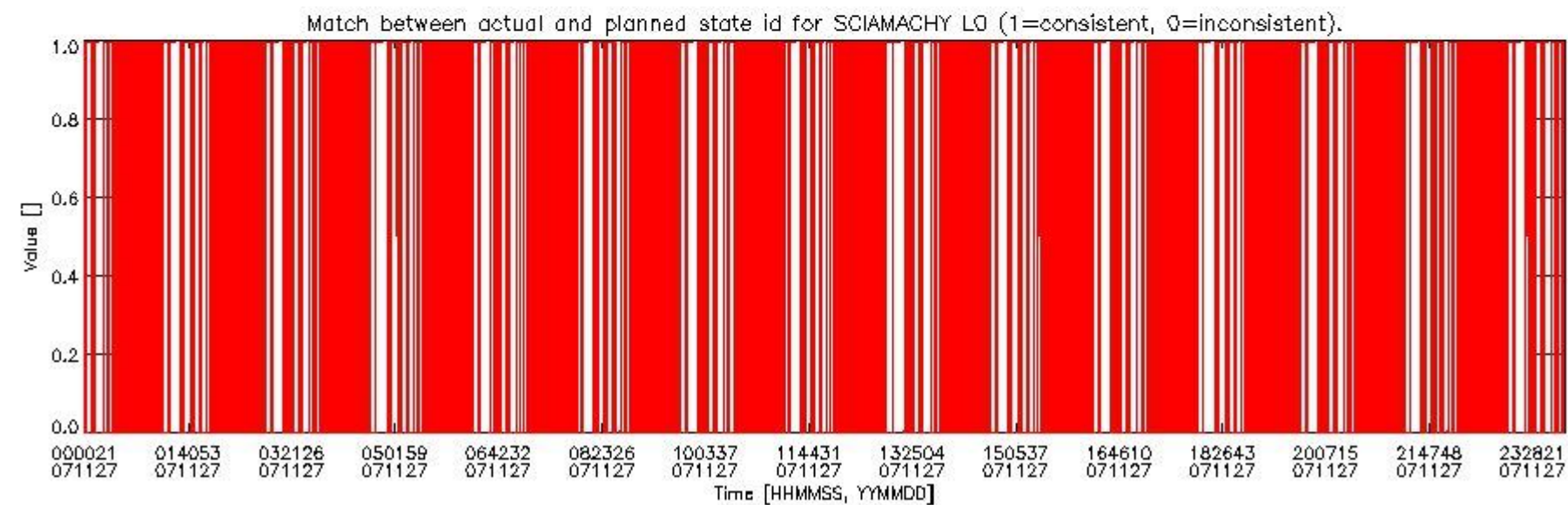
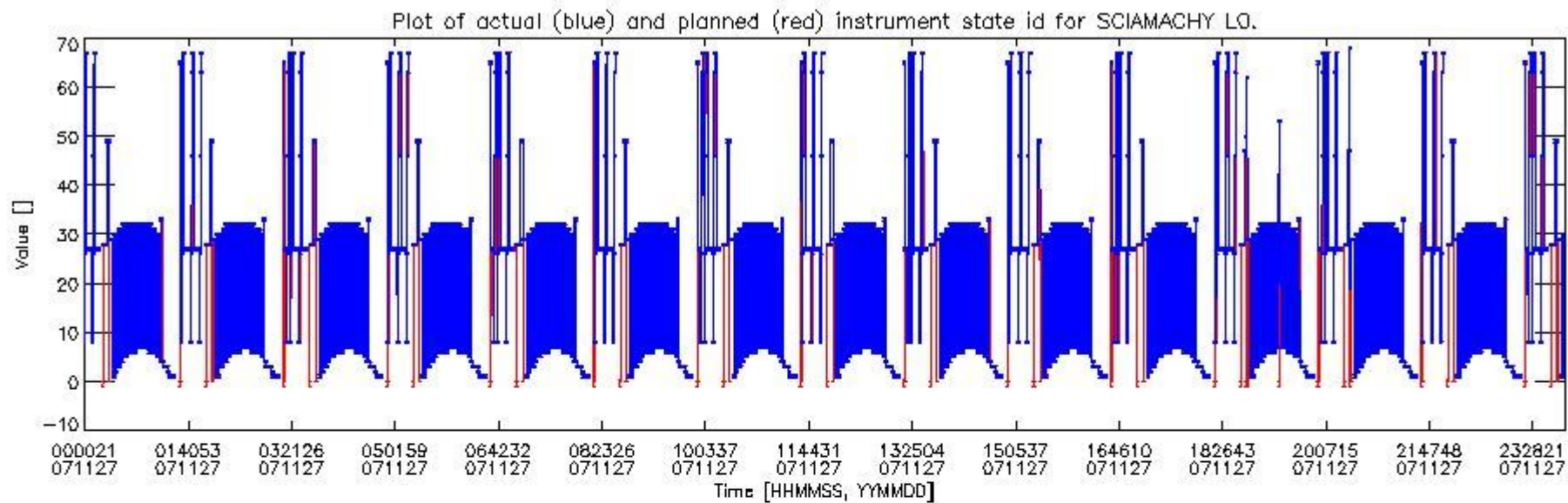


0.3 State monitoring

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: **48443**

#	Actual time	Actual value	Planned time	Planned value
0	27NOV2007 00:00:00.139368	46	27NOV2007 00:00:00.139368	26
1	27NOV2007 00:00:00.639345	46	27NOV2007 00:00:00.639345	26
2	27NOV2007 00:00:01.014358	46	27NOV2007 00:00:01.014358	26
3	27NOV2007 00:00:01.139362	46	27NOV2007 00:00:01.139362	26
4	27NOV2007 00:00:01.639339	46	27NOV2007 00:00:01.639339	26
5	27NOV2007 00:00:02.139357	46	27NOV2007 00:00:02.139357	26
6	27NOV2007 00:00:02.639374	46	27NOV2007 00:00:02.639374	26
7	27NOV2007 00:00:03.139351	46	27NOV2007 00:00:03.139351	26
8	27NOV2007 00:00:03.639369	46	27NOV2007 00:00:03.639369	26
9	27NOV2007 00:00:04.139346	46	27NOV2007 00:00:04.139346	26
10	27NOV2007 00:00:04.639363	46	27NOV2007 00:00:04.639363	26
11	27NOV2007 00:00:05.139340	46	27NOV2007 00:00:05.139340	26
12	27NOV2007 00:00:05.639358	46	27NOV2007 00:00:05.639358	26
13	27NOV2007 00:00:06.014371	46	27NOV2007 00:00:06.014371	26
14	27NOV2007 00:00:06.139335	46	27NOV2007 00:00:06.139335	26
15	27NOV2007 00:00:09.572951	63	27NOV2007 00:00:09.572951	46
16	27NOV2007 00:00:10.197933	63	27NOV2007 00:00:10.197933	46
17	27NOV2007 00:00:10.697950	63	27NOV2007 00:00:10.697950	46
18	27NOV2007 00:00:11.197928	63	27NOV2007 00:00:11.197928	46
19	27NOV2007 00:00:11.697945	63	27NOV2007 00:00:11.697945	46

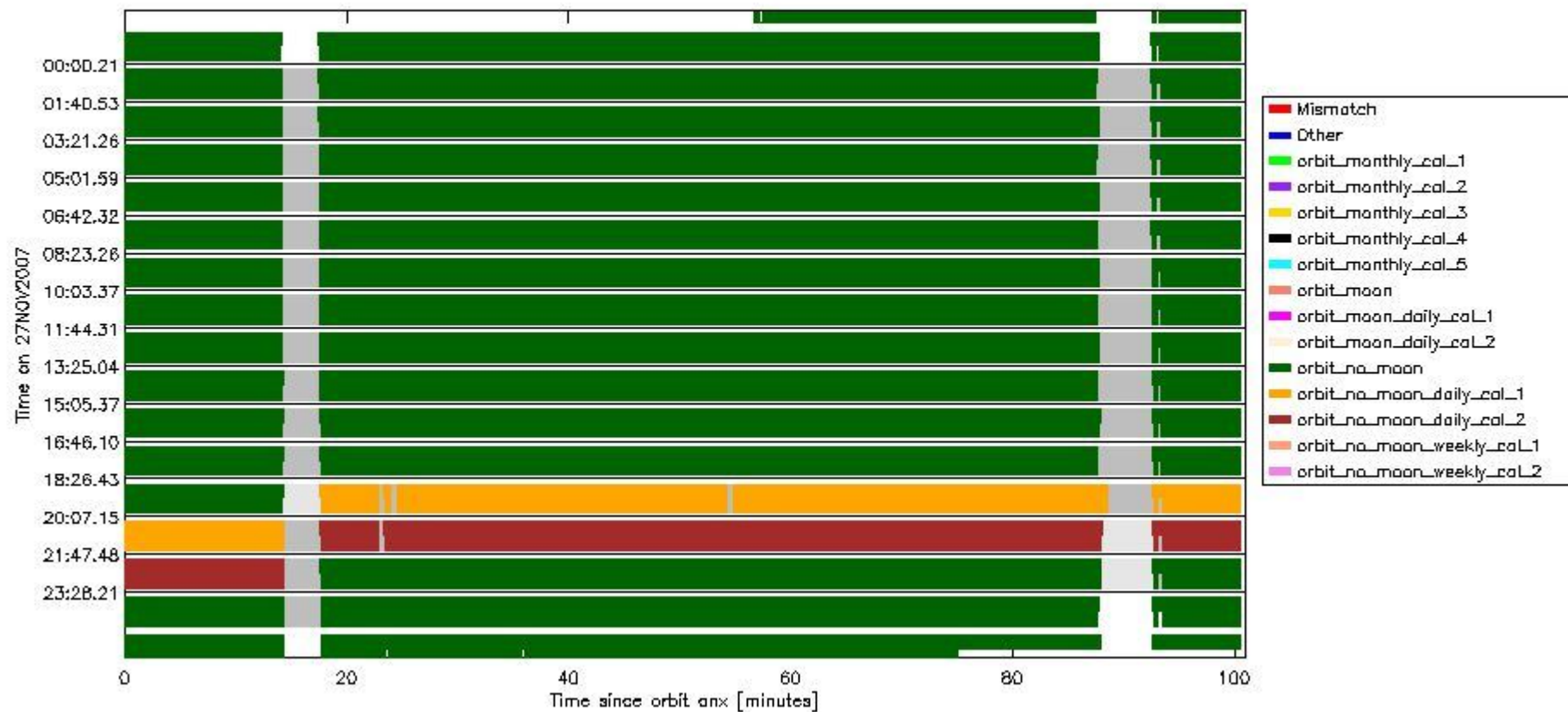


sciamachy_daily_report_level0_KSPT_L0_4302_N_20071127_5.PNG

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 27NOV2007.
 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_20071127_6.PNG

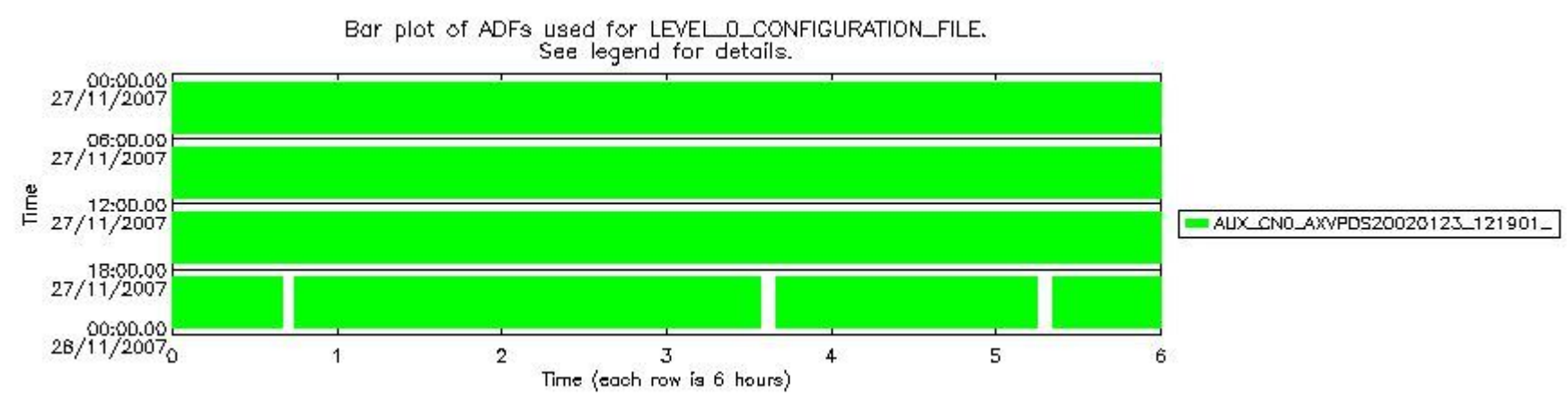
0.4 ADF monitoring

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

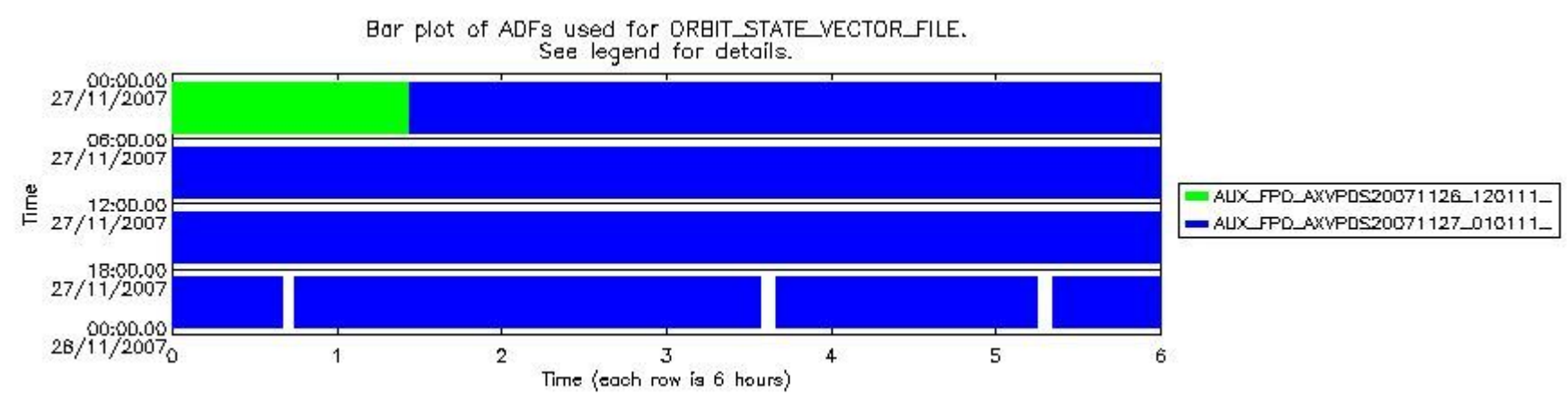
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

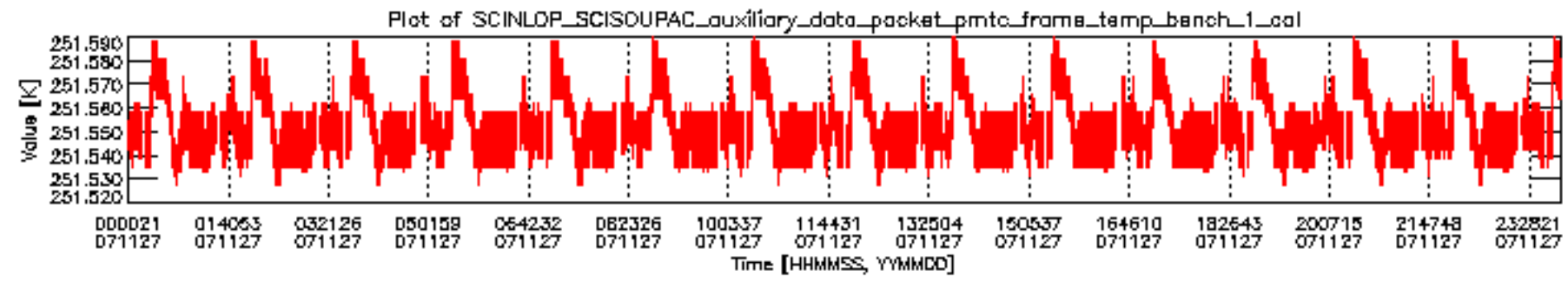
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20071126_120111_20071125_193002_20071205_205613
2	AUX_FPO_AXVPDS20071127_010111_20071126_185824_20071206_202436

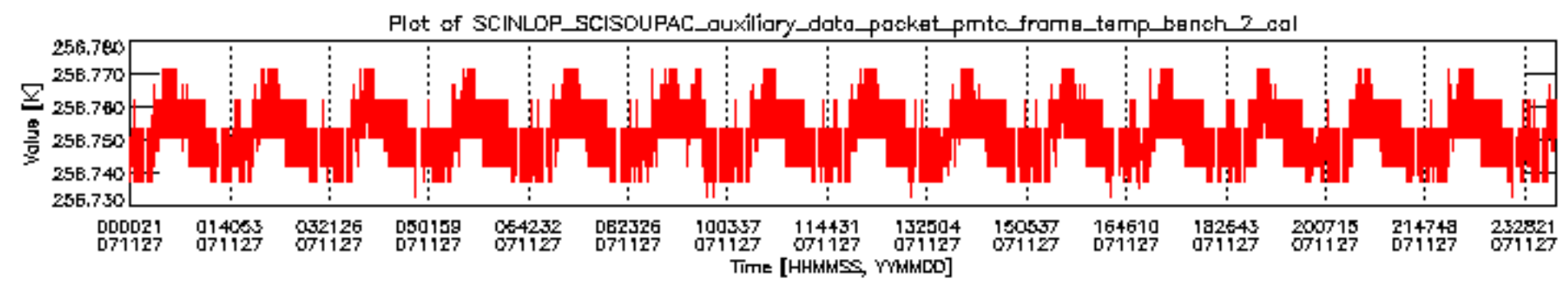


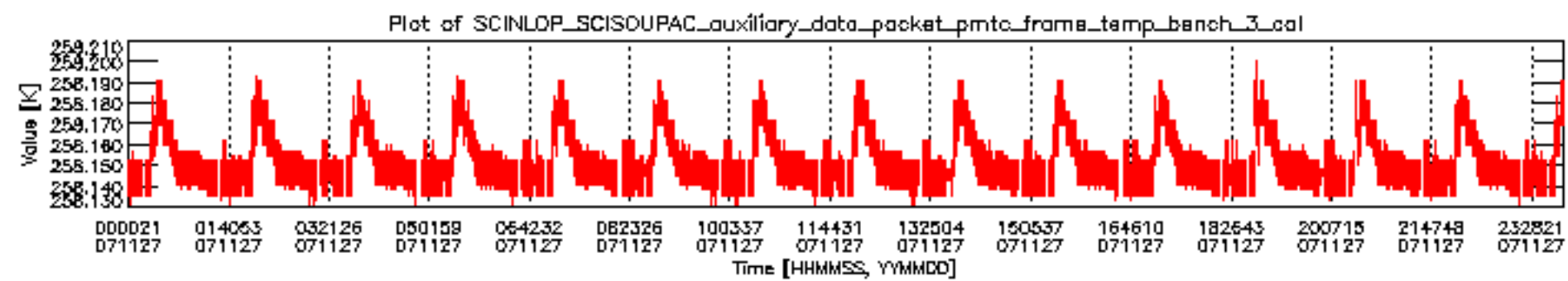
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071127_7.PNG

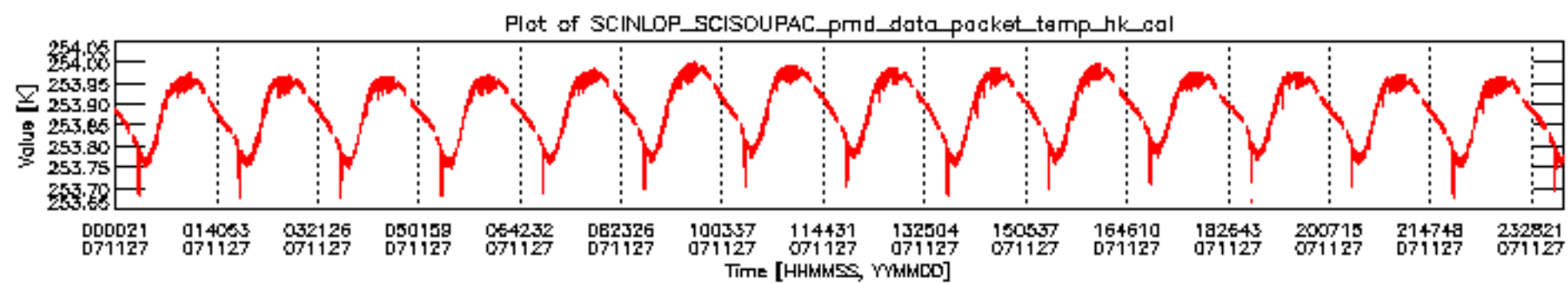


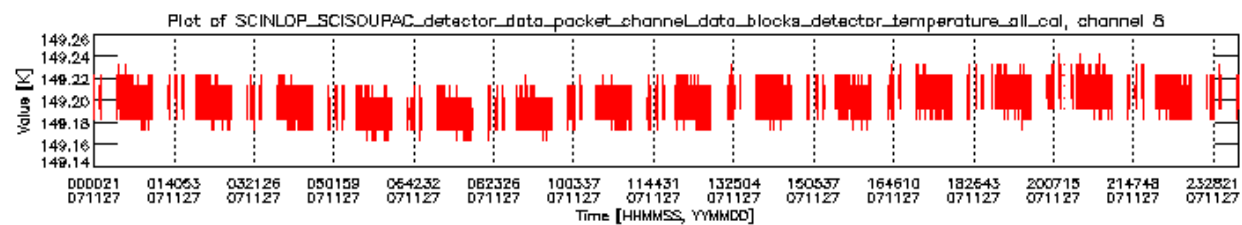
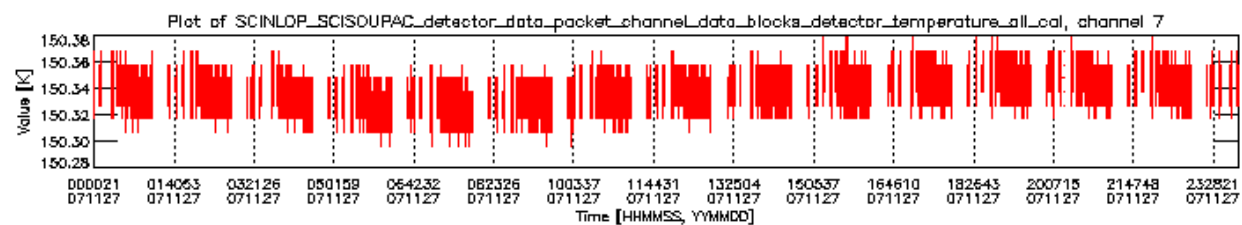
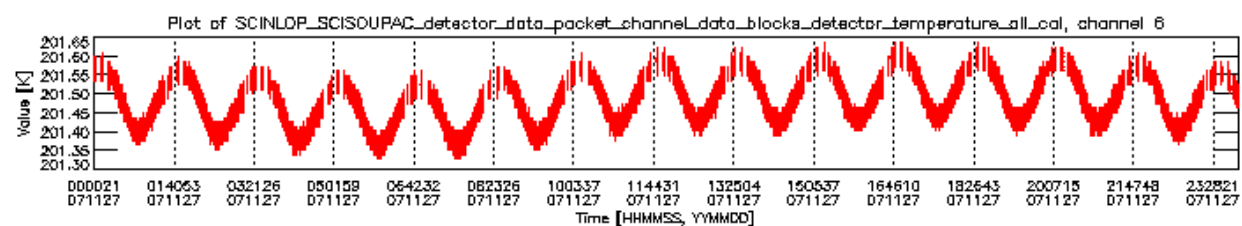
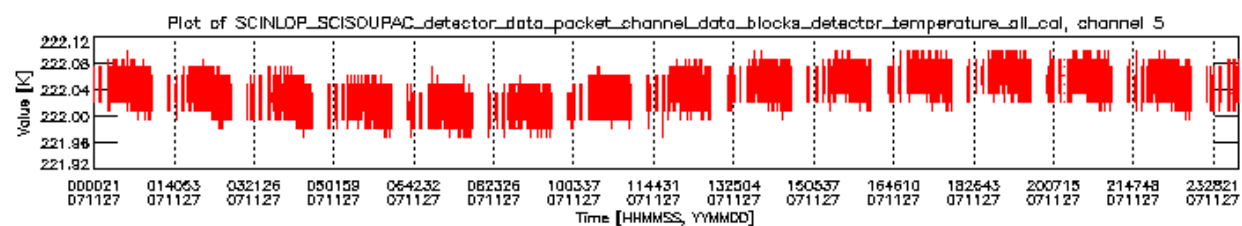
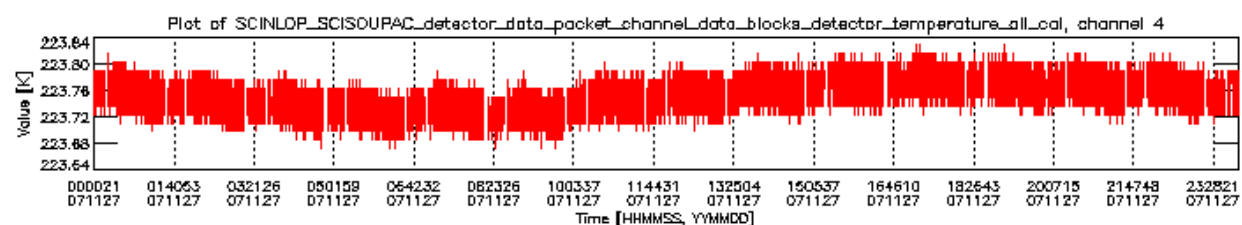
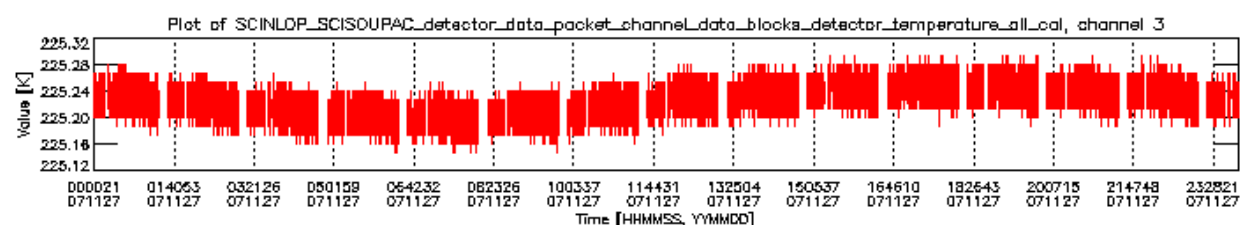
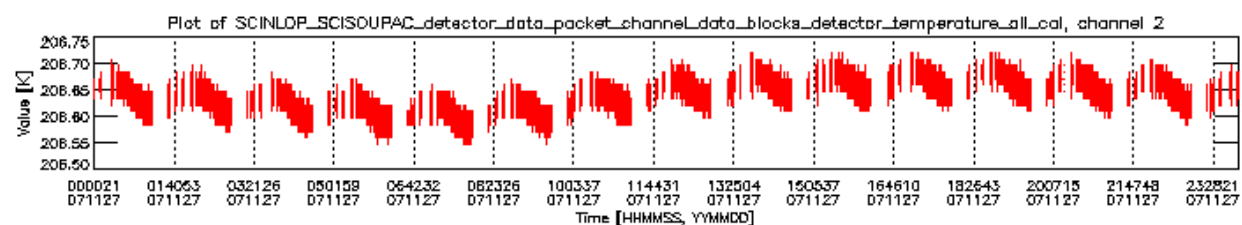
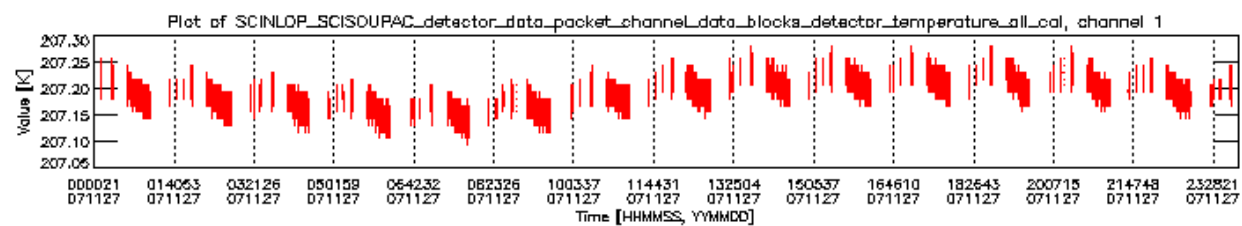
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071127_8.PNG

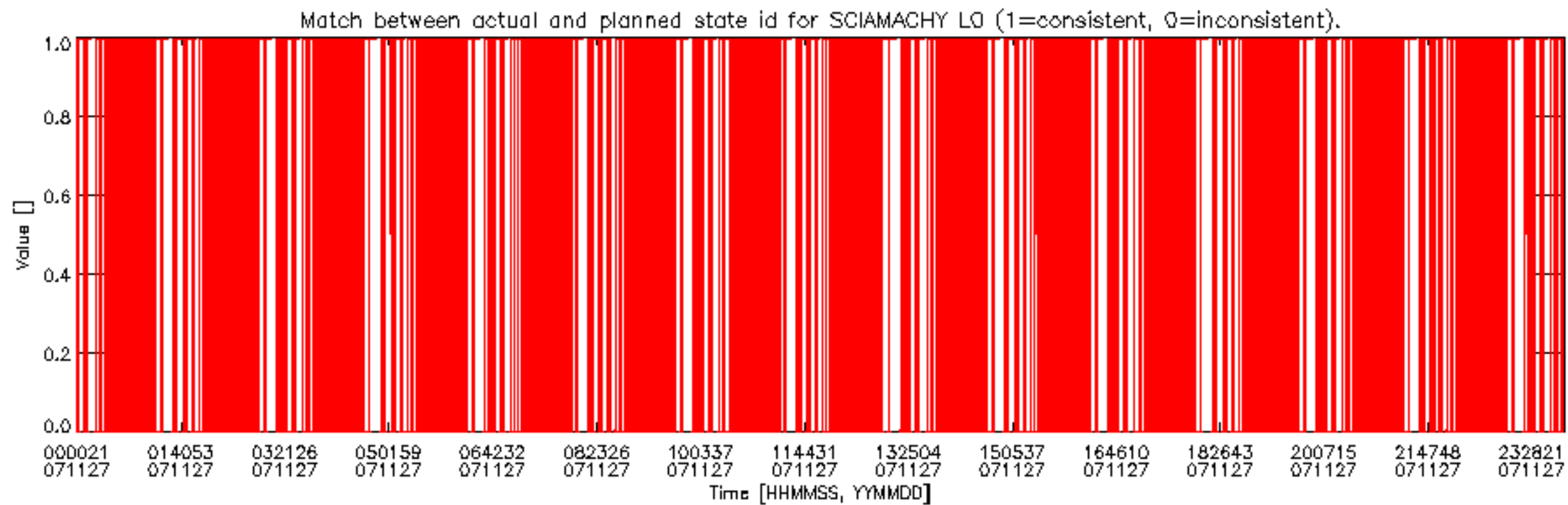
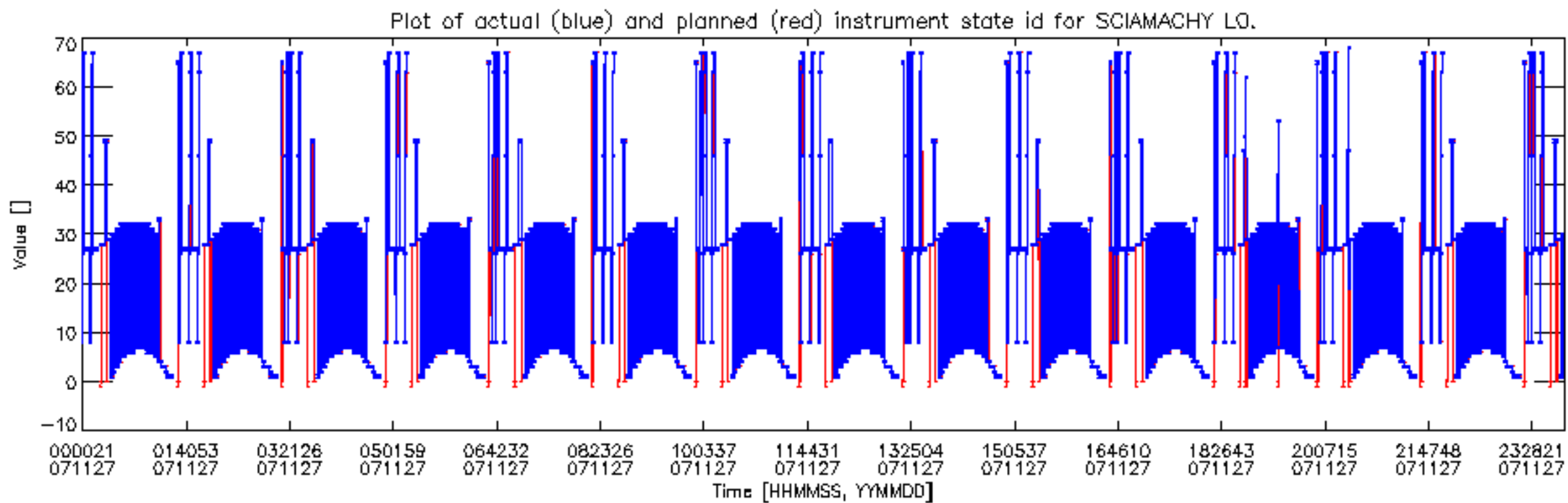












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