

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	15NOV2008 05:35:19
Data source version	KSPT_L0/4303-N
Processing scope for products	11NOV2008 00:00:00 to 12NOV2008 00:00:00
Start time of first product within scope	10NOV2008 23:51:01
Stop time of last product within scope	12NOV2008 00:55:44
Total number of level 0 products	17
Number of level 0 products with errors	1

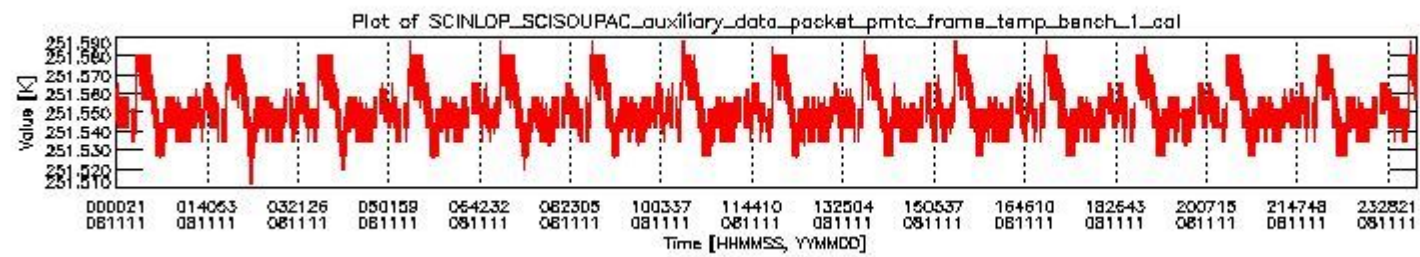
0.1.2 Summary per product

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

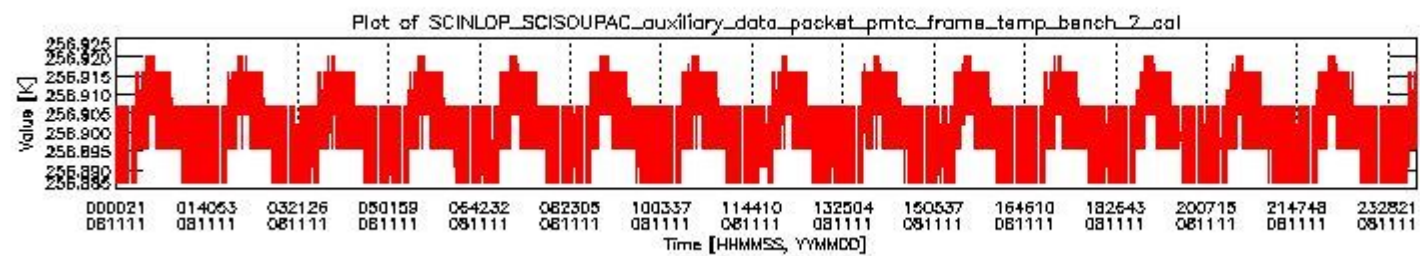
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081110_235101_000057202073_00402_35025_7882.N1	10NOV2008 23:51:01	11NOV2008 01:26:21	0	0	0	0	0
1	SCI_NL__OPNPDE20081111_012621_000046832073_00403_35026_7883.N1	11NOV2008 01:26:21	11NOV2008 02:44:24	0	0	0	0	0
2	SCI_NL__OPNPDE20081111_024328_000058432073_00404_35027_7884.N1	11NOV2008 02:43:28	11NOV2008 04:20:52	0	0	0	0	0
3	SCI_NL__OPNPDE20081111_042052_000061612073_00405_35028_7885.N1	11NOV2008 04:20:52	11NOV2008 06:03:33	0	0	0	0	0
4	SCI_NL__OPNPDK20081111_060237_000041012073_00406_35029_9899.N1	11NOV2008 06:02:37	11NOV2008 07:10:58	0	0	0	0	0
5	SCI_NL__OPNPDK20081111_071002_000062172073_00407_35030_9900.N1	11NOV2008 07:10:02	11NOV2008 08:53:39	0	0	0	0	0
6	SCI_NL__OPNPDK20081111_085243_000059682073_00408_35031_9901.N1	11NOV2008 08:52:43	11NOV2008 10:32:10	0	0	0	0	0
7	SCI_NL__OPNPDK20081111_103006_000059802073_00409_35032_9902.N1	11NOV2008 10:30:06	11NOV2008 12:09:46	0	0	0	0	0
8	SCI_NL__OPNPDK20081111_120755_000062042073_00410_35033_9903.N1	11NOV2008 12:07:55	11NOV2008 13:51:18	0	0	0	0	0
9	SCI_NL__OPNPDK20081111_134927_000057872073_00411_35034_9904.N1	11NOV2008 13:49:27	11NOV2008 15:25:53	0	0	0	0	0
10	SCI_NL__OPNPDK20081111_152553_000060362073_00412_35035_9905.N1	11NOV2008 15:25:53	11NOV2008 17:06:30	0	0	0	0	0
11	SCI_NL__OPNPDK20081111_170533_000050562073_00413_35036_9906.N1	11NOV2008 17:05:33	11NOV2008 18:29:49	1	0	1	0	0
12	SCI_NL__OPNPDK20081111_182949_000009242073_00414_35037_9907.N1	11NOV2008 18:29:49	11NOV2008 18:45:13	0	0	0	0	0
13	SCI_NL__OPNPDK20081111_184322_000057792073_00414_35037_9908.N1	11NOV2008 18:43:22	11NOV2008 20:19:41	0	0	0	0	0
14	SCI_NL__OPNPDE20081111_202358_000042272073_00415_35038_7886.N1	11NOV2008 20:23:58	11NOV2008 21:34:25	0	0	0	0	0
15	SCI_NL__OPNPDE20081111_213425_000060392073_00415_35038_7887.N1	11NOV2008 21:34:25	11NOV2008 23:15:05	0	0	0	0	0
16	SCI_NL__OPNPDE20081111_231505_000060392073_00416_35039_7888.N1	11NOV2008 23:15:05	12NOV2008 00:55:44	0	0	0	0	0

0.2 Product Quality Indicators

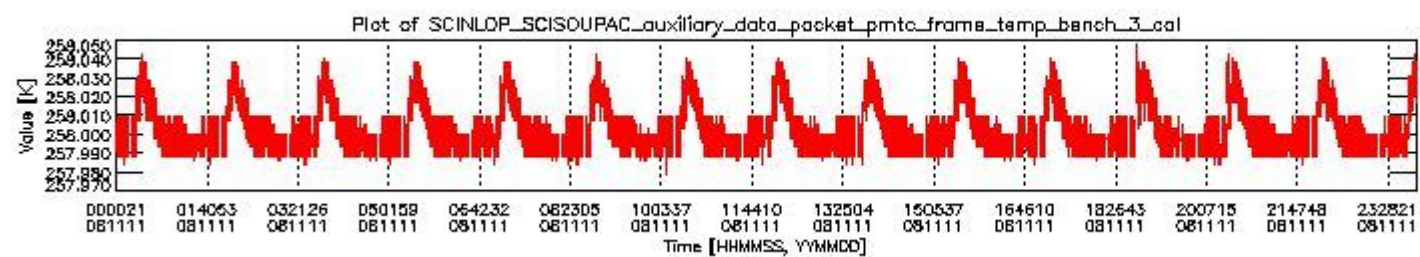
This section shows information about product quality, currently temperatures.



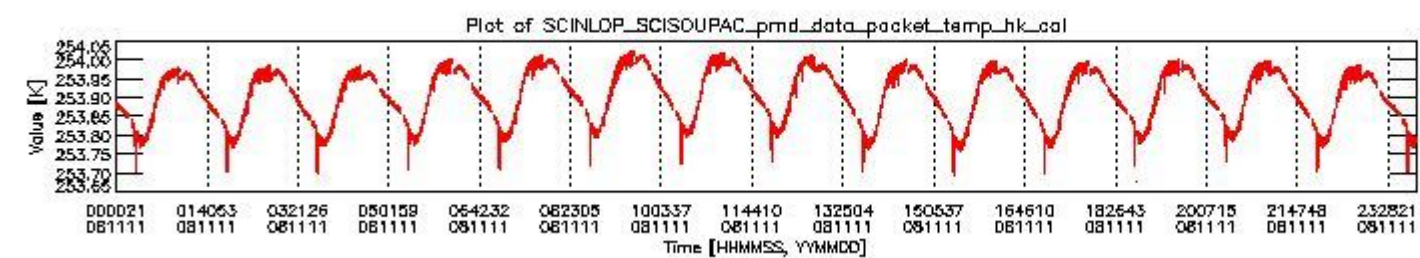
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081111_0.PNG



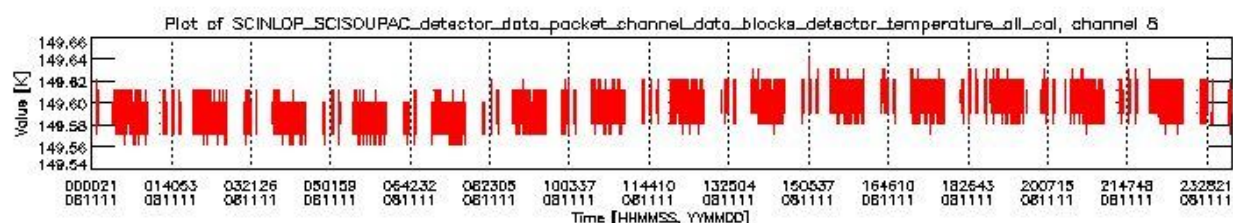
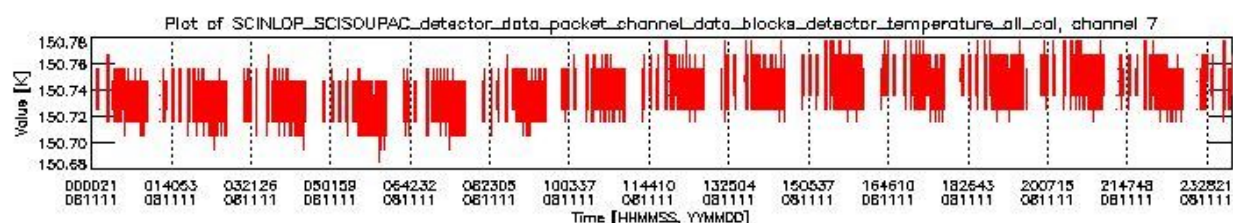
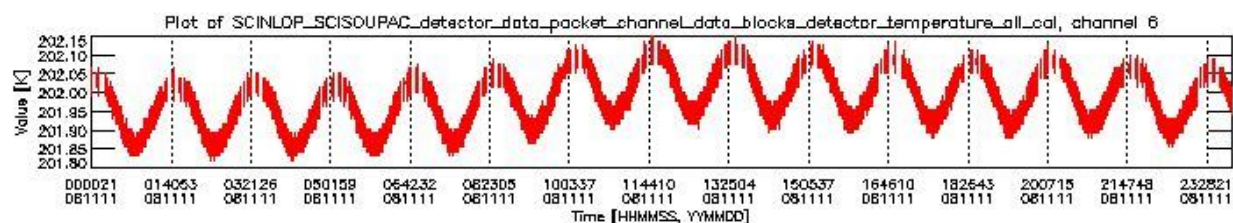
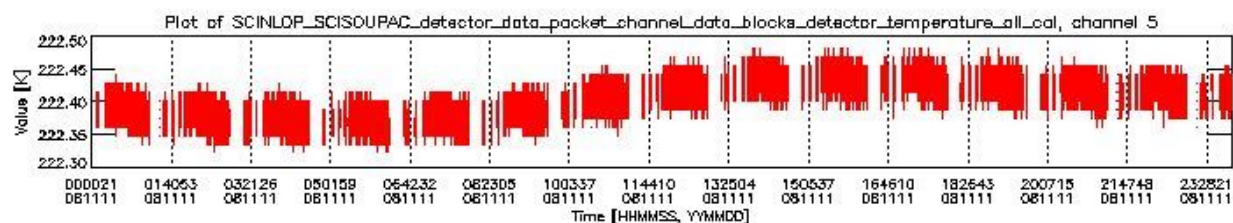
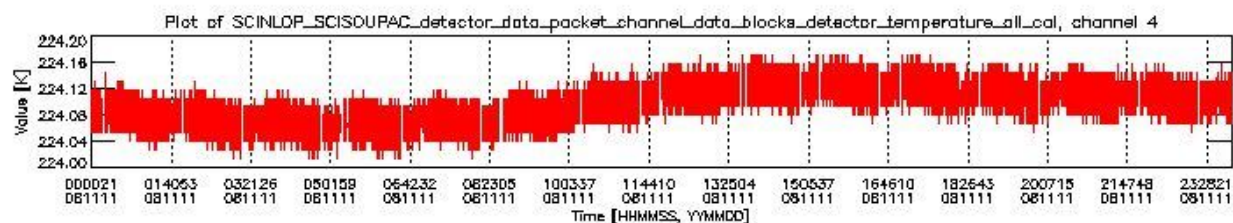
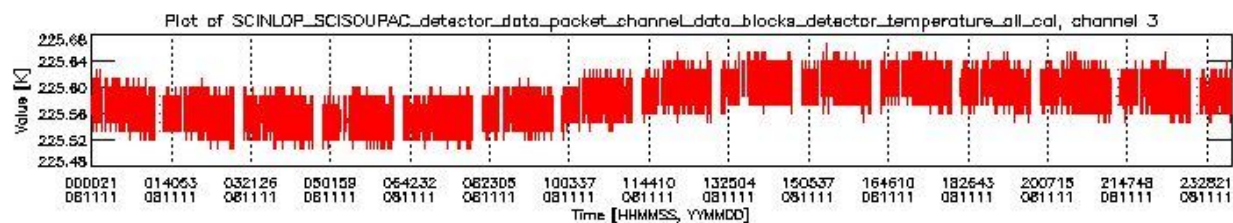
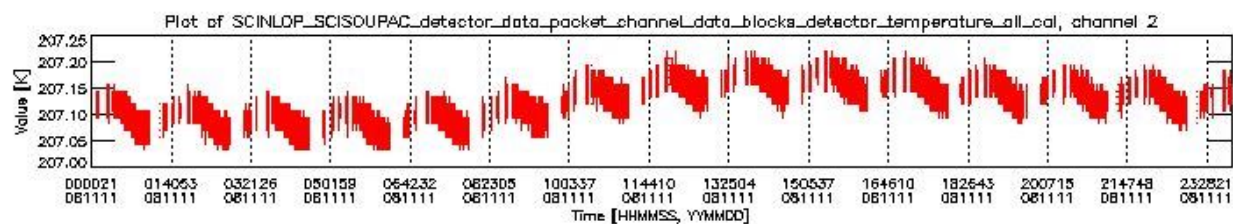
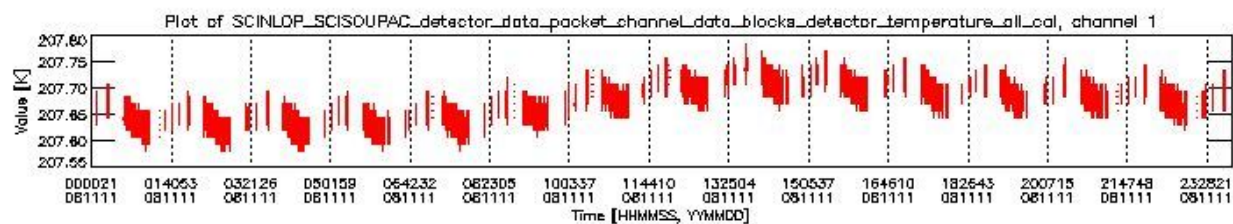
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081111_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081111_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081111_3.PNG

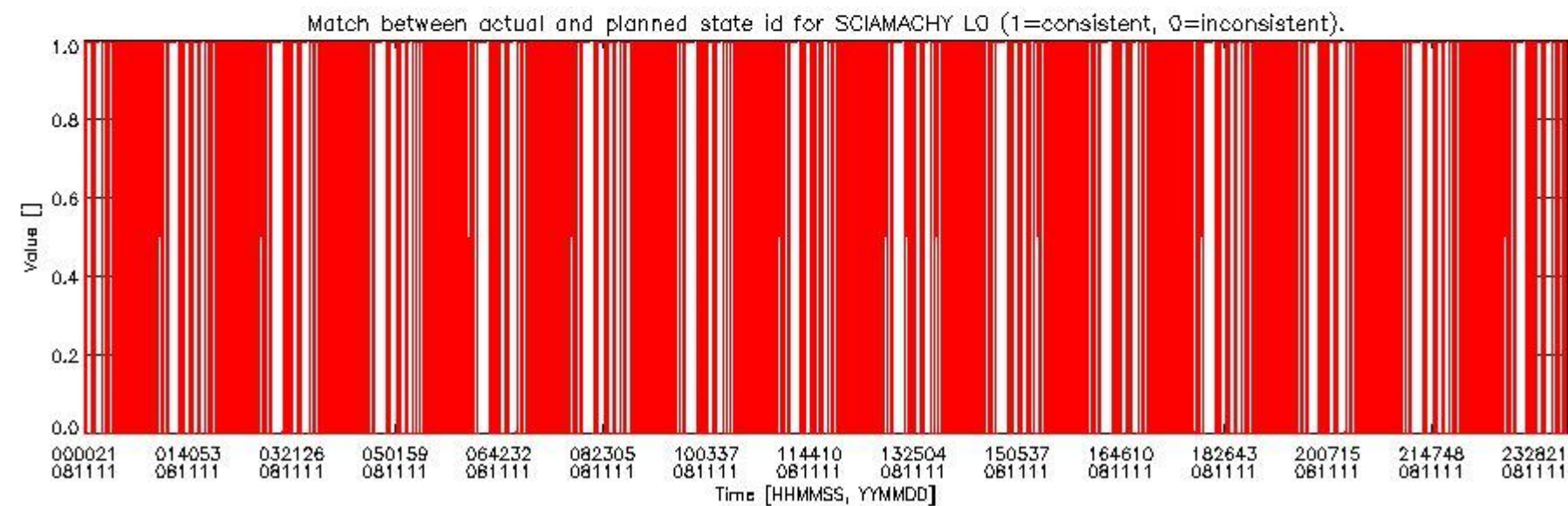
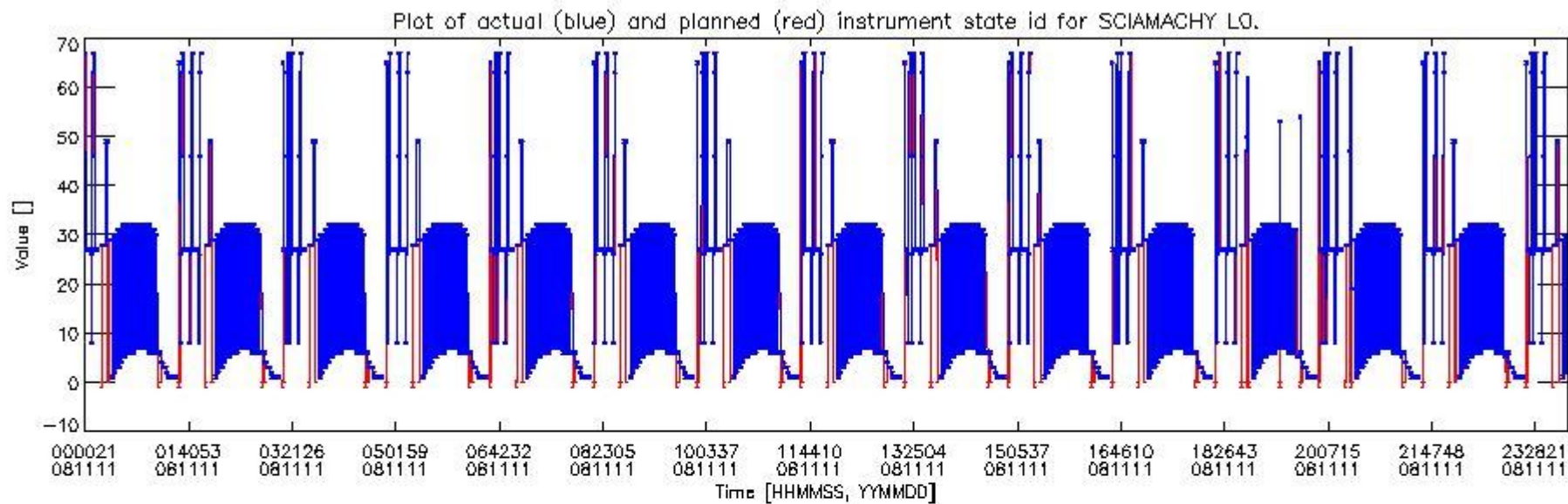


0.3 State monitoring

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: **53851**

#	Actual time	Actual value	Planned time	Planned value
0	11NOV2008 00:00:53.297719	27	11NOV2008 00:00:53.297719	67
1	11NOV2008 00:00:54.297714	27	11NOV2008 00:00:54.297714	67
2	11NOV2008 00:00:55.235226	27	11NOV2008 00:00:55.235226	67
3	11NOV2008 00:00:55.985212	27	11NOV2008 00:00:55.985212	67
4	11NOV2008 00:00:56.922725	27	11NOV2008 00:00:56.922725	67
5	11NOV2008 00:00:57.672711	27	11NOV2008 00:00:57.672711	67
6	11NOV2008 00:00:58.297732	27	11NOV2008 00:00:58.297732	67
7	11NOV2008 00:00:58.610223	27	11NOV2008 00:00:58.610223	67
8	11NOV2008 00:00:59.360209	27	11NOV2008 00:00:59.360209	67
9	11NOV2008 00:01:00.297722	27	11NOV2008 00:01:00.297722	67
10	11NOV2008 00:01:01.047707	27	11NOV2008 00:01:01.047707	67
11	11NOV2008 00:01:01.985220	27	11NOV2008 00:01:01.985220	67
12	11NOV2008 00:01:02.735206	27	11NOV2008 00:01:02.735206	67
13	11NOV2008 00:01:03.297705	27	11NOV2008 00:01:03.297705	67
14	11NOV2008 00:01:03.672718	27	11NOV2008 00:01:03.672718	67
15	11NOV2008 00:01:04.422704	27	11NOV2008 00:01:04.422704	67
16	11NOV2008 00:01:05.360217	27	11NOV2008 00:01:05.360217	67
17	11NOV2008 00:06:01.707915	8	11NOV2008 00:06:01.707915	27
18	11NOV2008 00:06:02.832914	8	11NOV2008 00:06:02.832914	27
19	11NOV2008 00:06:03.832909	8	11NOV2008 00:06:03.832909	27
...

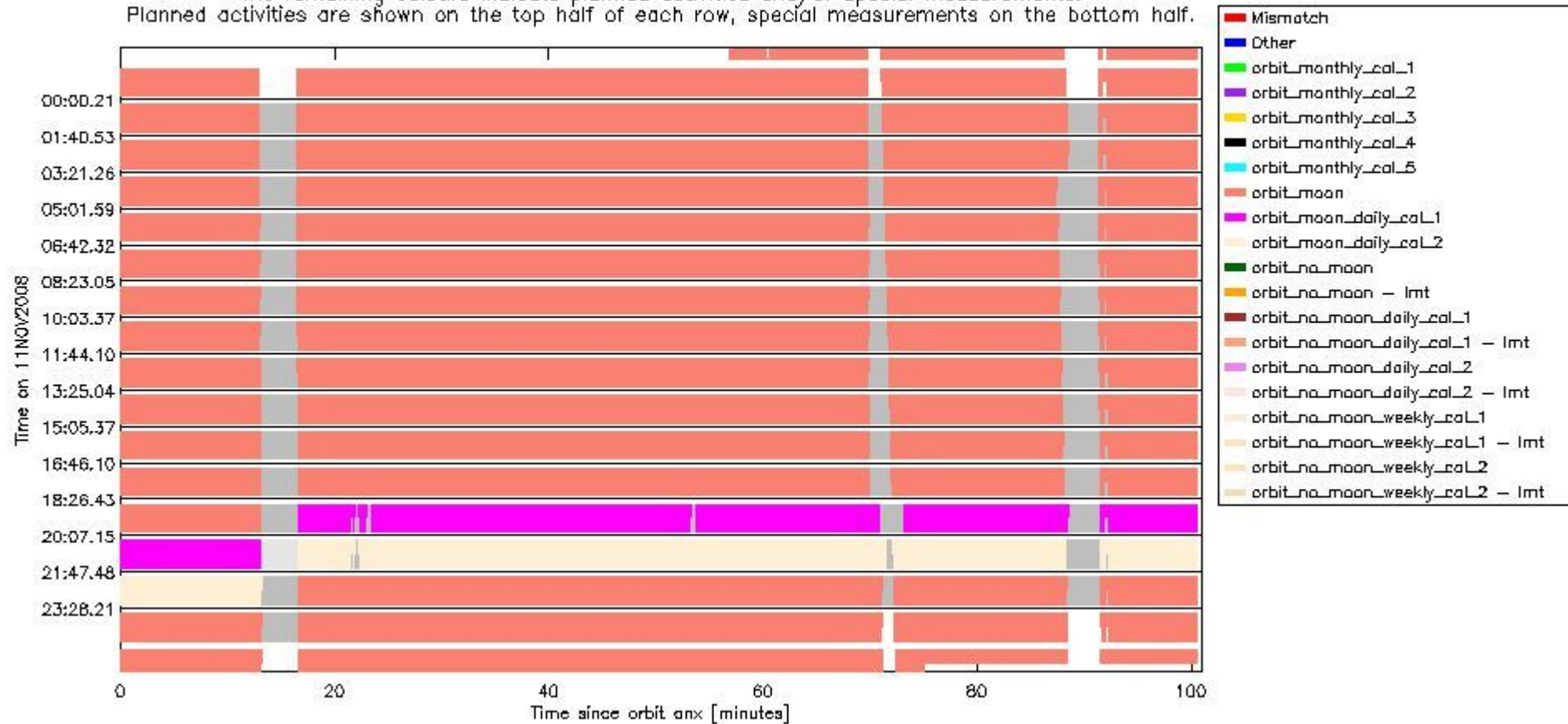


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081111_5.PNG

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 11NOV2008.
 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_4303_N_20081111_6.PNG

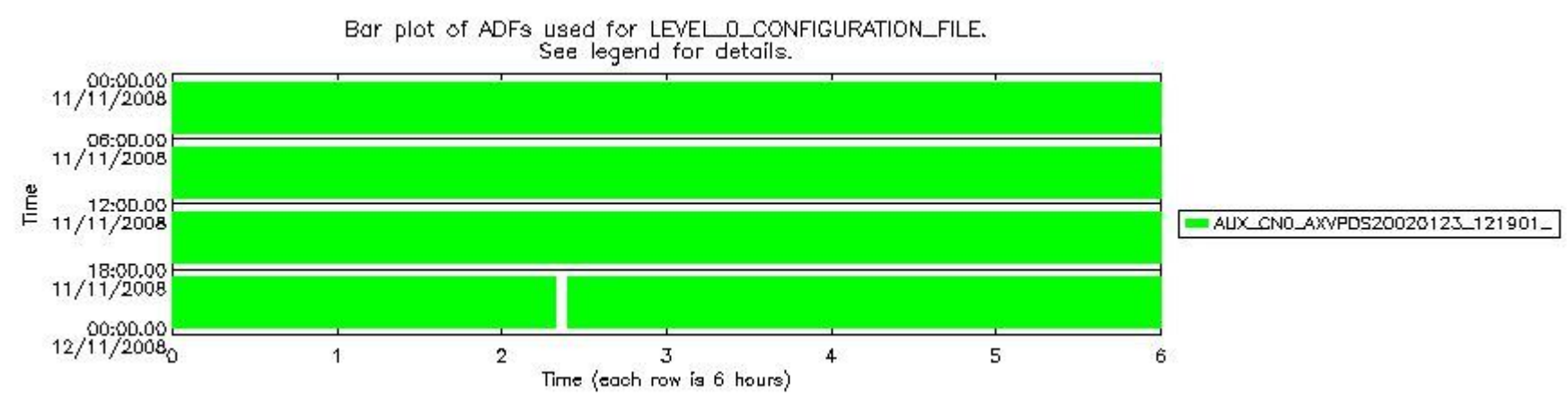
0.4 ADF monitoring

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

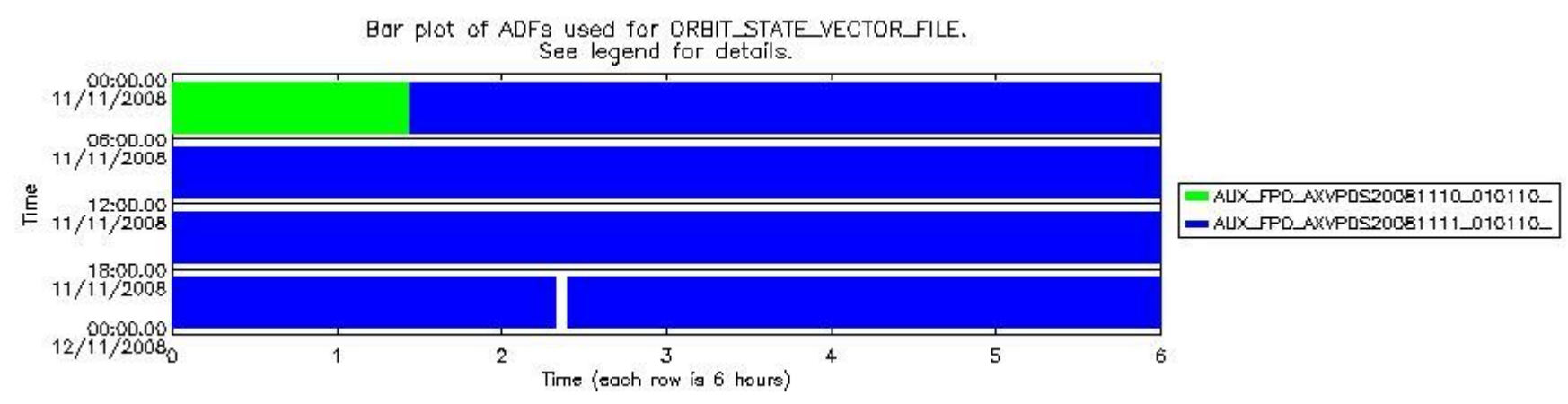
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

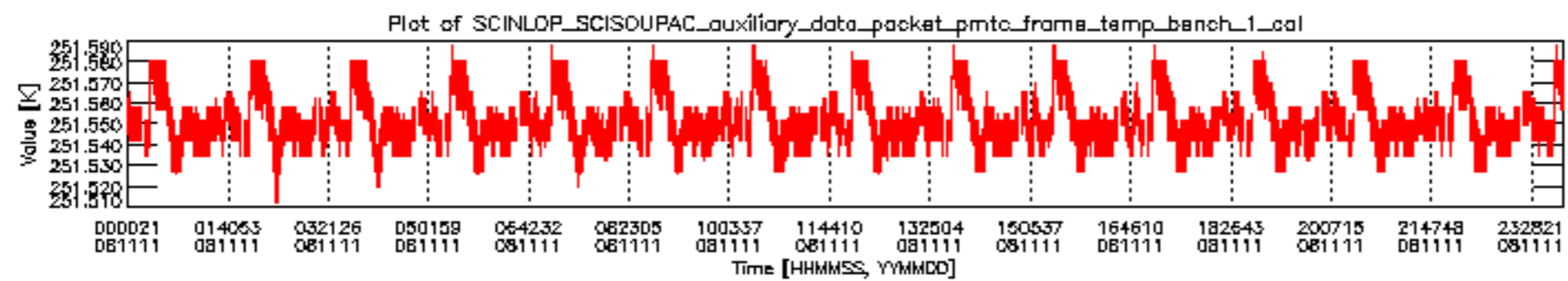
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081110_010110_20081109_193000_20081119_205612
2	AUX_FPO_AXVPDS20081111_010110_20081110_185823_20081120_202435

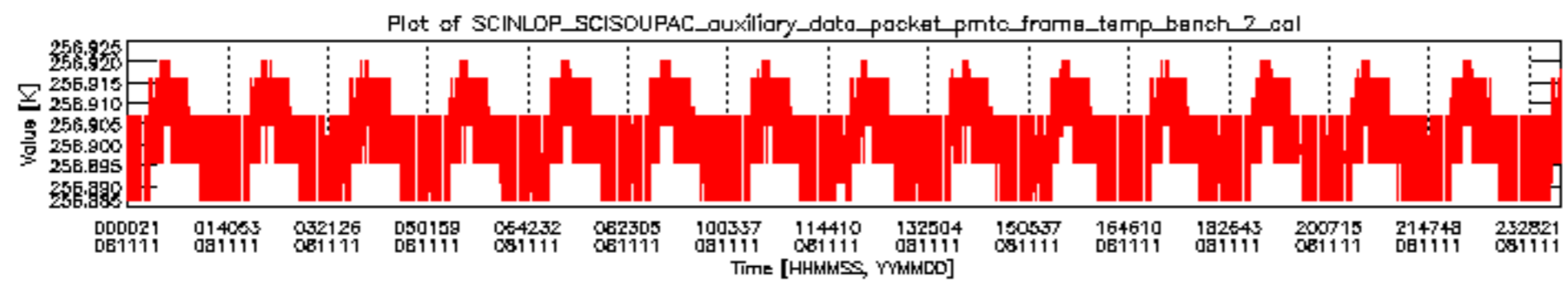


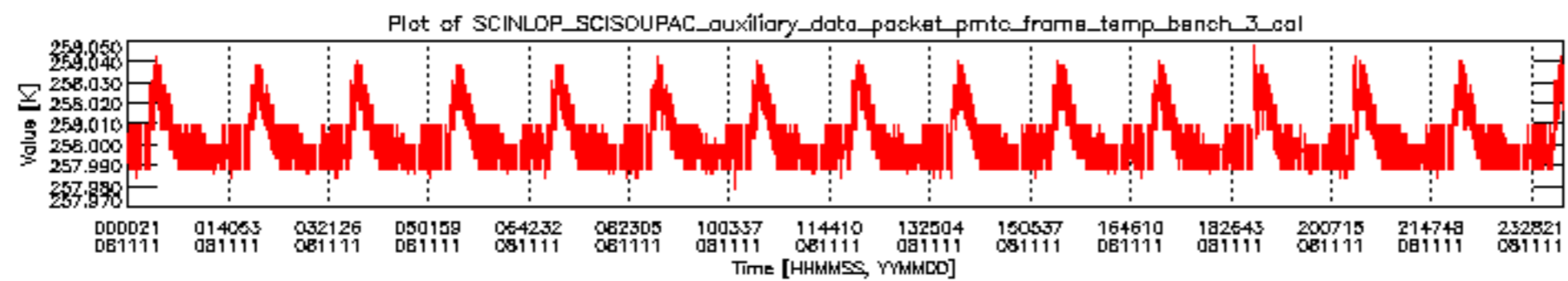
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081111_7.PNG

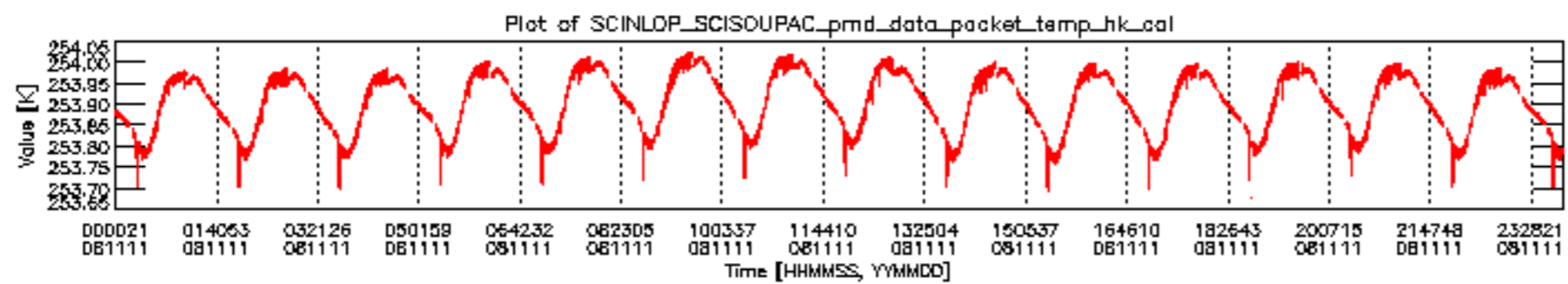


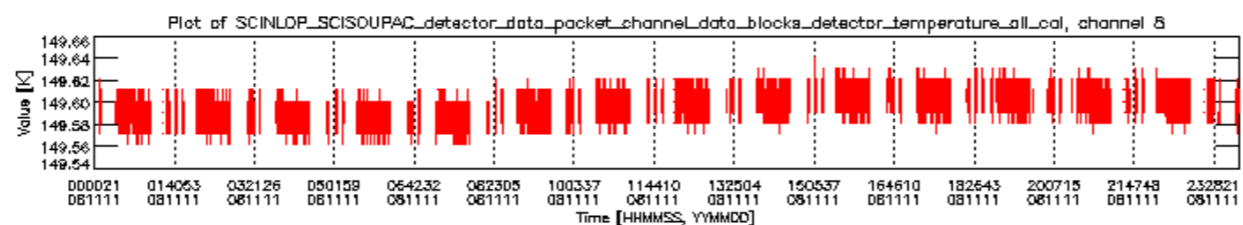
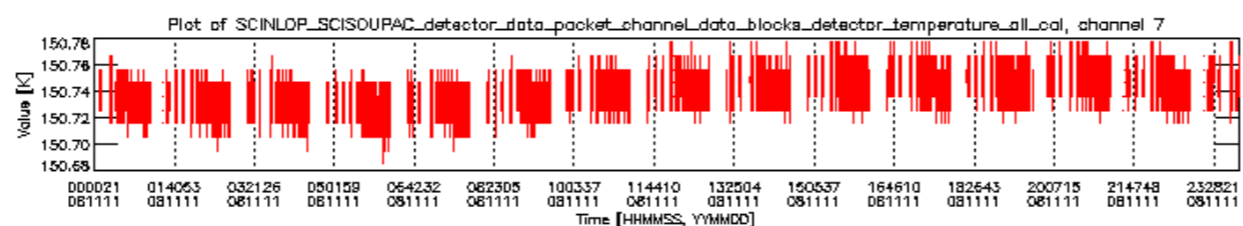
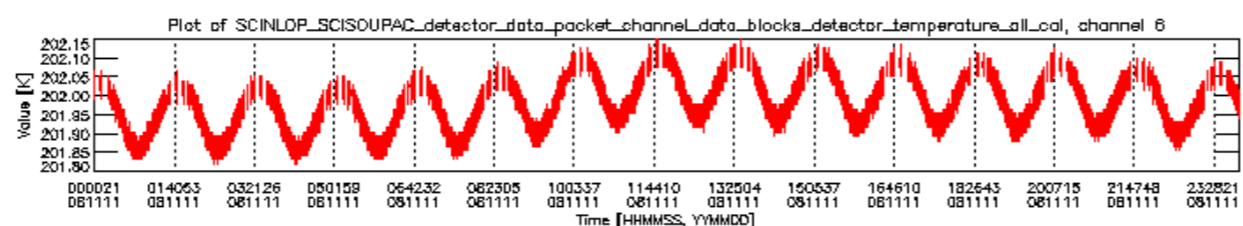
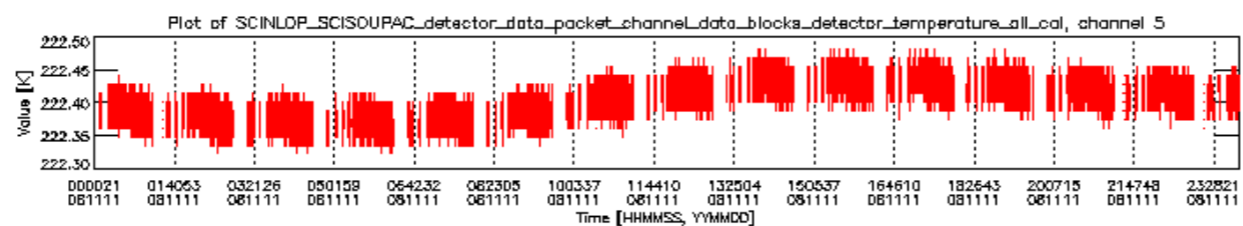
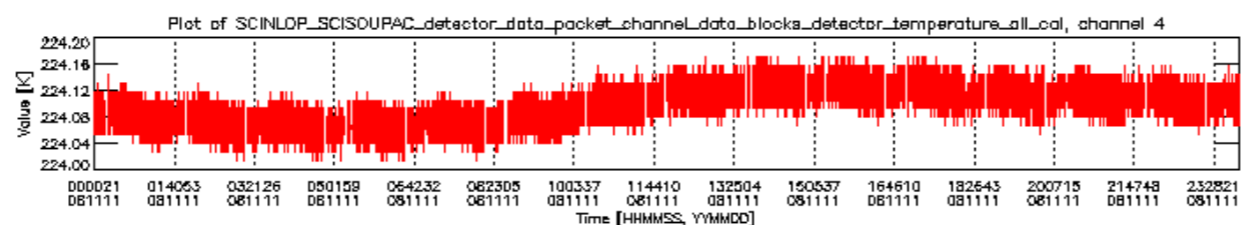
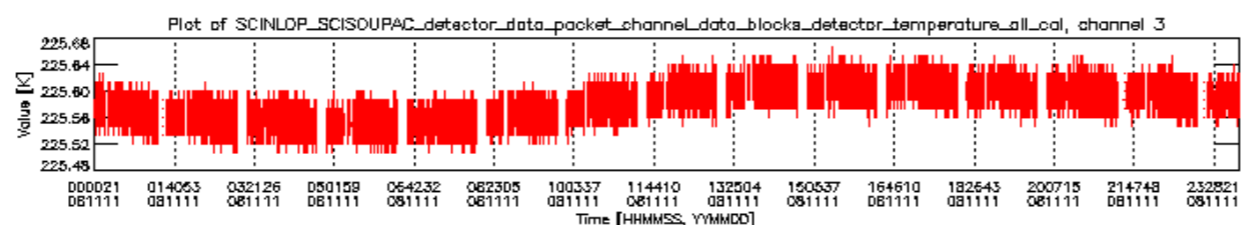
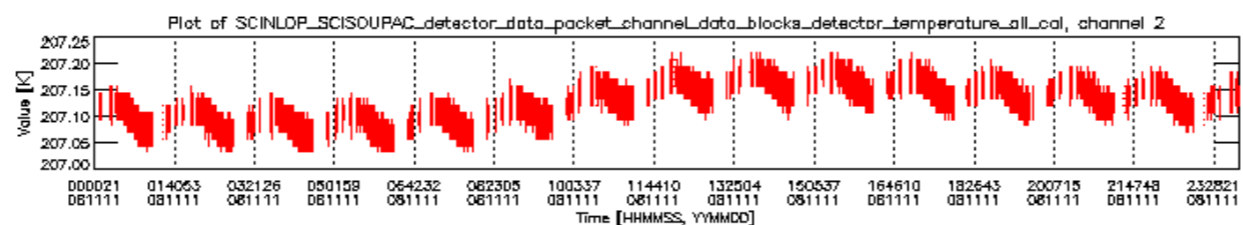
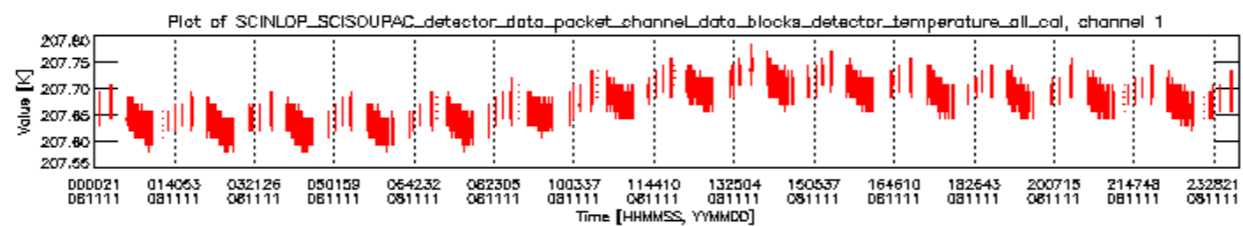
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081111_8.PNG

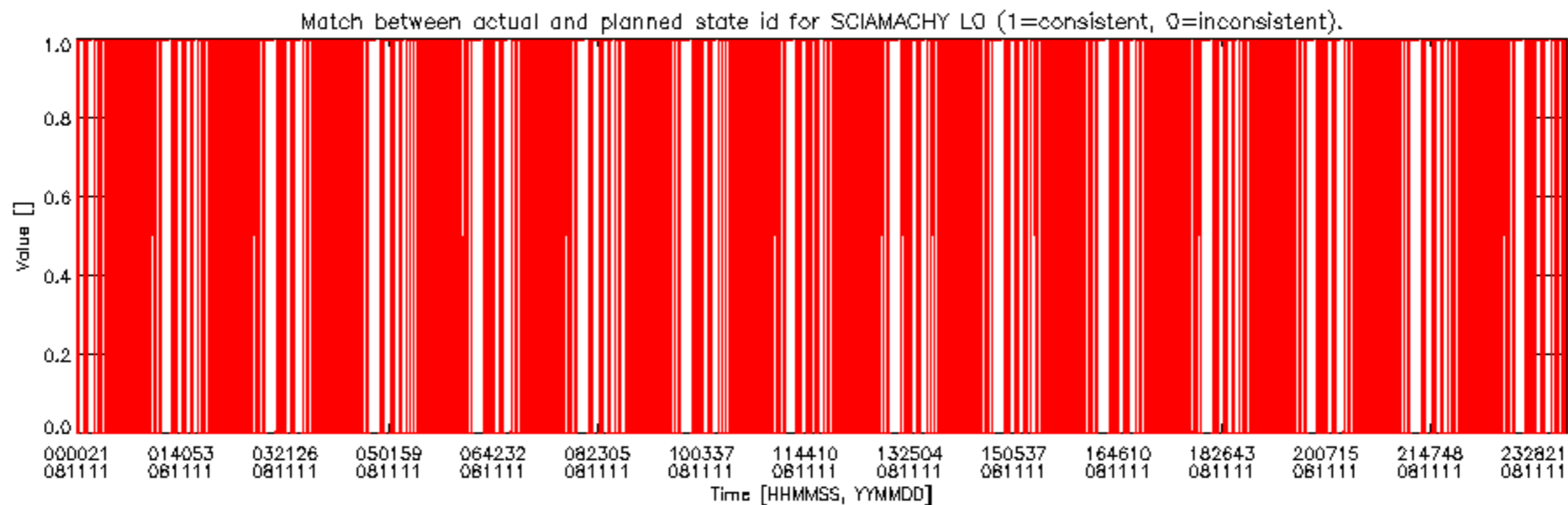
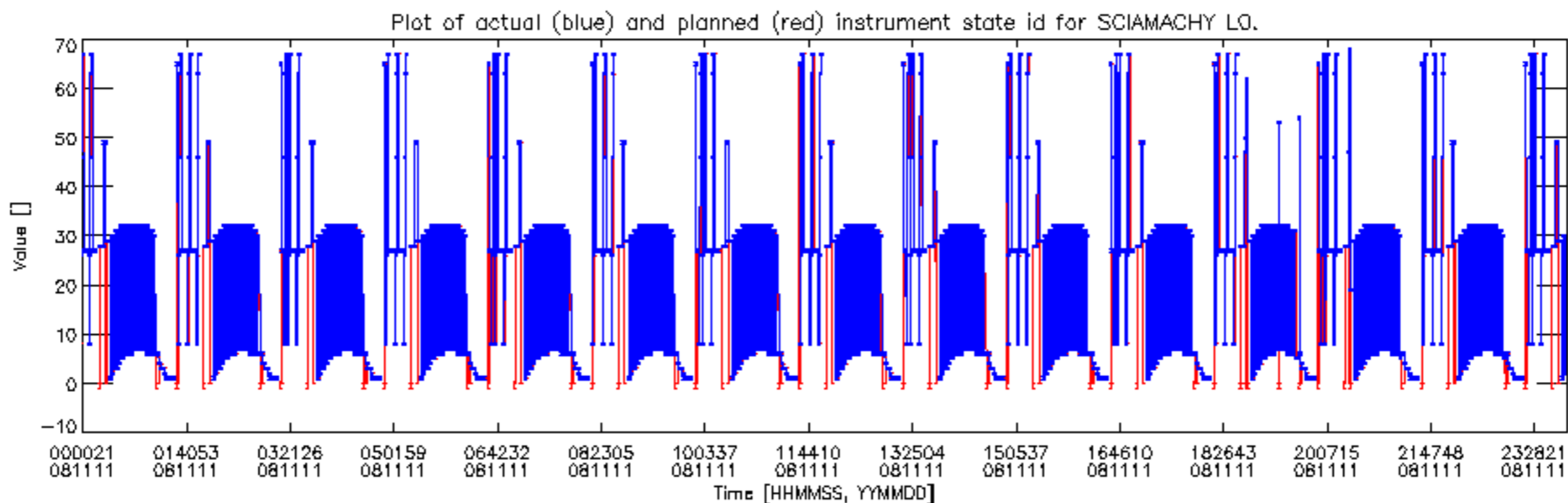












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