

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	12NOV2008 05:43:47
Data source version	KSPT_L0/4303-N
Processing scope for products	08NOV2008 00:00:00 to 09NOV2008 00:00:00
Start time of first product within scope	07NOV2008 23:45:00
Stop time of last product within scope	09NOV2008 00:48:16
Total number of level 0 products	16
Number of level 0 products with errors	0

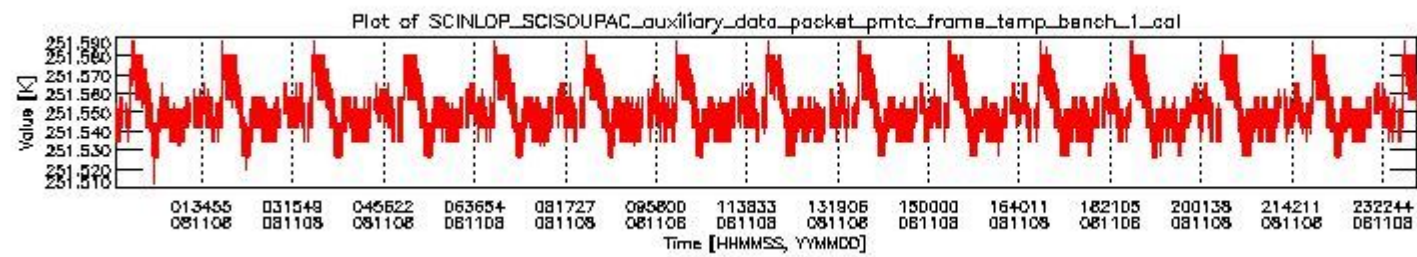
0.1.2 Summary per product

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

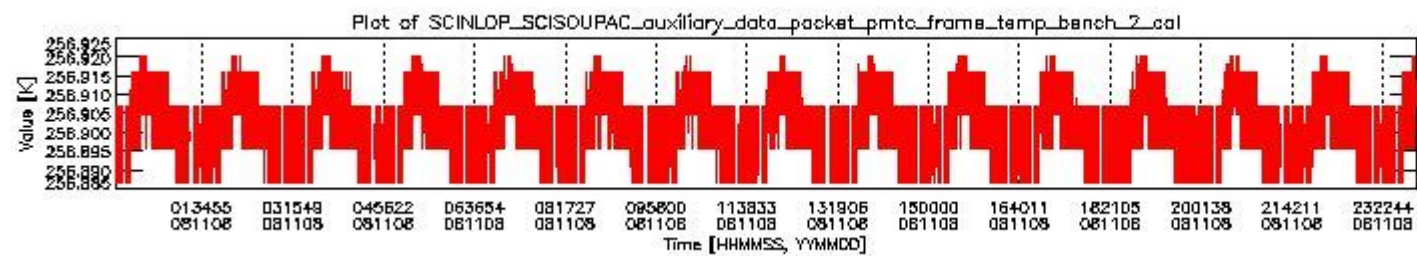
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081107_234500_000056882073_00359_34982_7862.N1	07NOV2008 23:45:00	08NOV2008 01:19:48	0	0	0	0	0
1	SCI_NL__OPNPDE20081108_012536_000044362073_00360_34983_7863.N1	08NOV2008 01:25:36	08NOV2008 02:39:33	0	0	0	0	0
2	SCI_NL__OPNPDE20081108_023933_000057872073_00361_34984_7864.N1	08NOV2008 02:39:33	08NOV2008 04:16:00	0	0	0	0	0
3	SCI_NL__OPNPDE20081108_041504_000060922073_00362_34985_7865.N1	08NOV2008 04:15:04	08NOV2008 05:56:36	0	0	0	0	0
4	SCI_NL__OPNPDK20081108_055636_000041702073_00363_34986_9873.N1	08NOV2008 05:56:36	08NOV2008 07:06:06	0	0	0	0	0
5	SCI_NL__OPNPDK20081108_070510_000060242073_00364_34987_9874.N1	08NOV2008 07:05:10	08NOV2008 08:45:34	0	0	0	0	0
6	SCI_NL__OPNPDK20081108_084534_000060492073_00365_34988_9875.N1	08NOV2008 08:45:34	08NOV2008 10:26:23	0	0	0	0	0
7	SCI_NL__OPNPDK20081108_102514_000060362073_00366_34989_9876.N1	08NOV2008 10:25:14	08NOV2008 12:05:51	0	0	0	0	0
8	SCI_NL__OPNPDK20081108_120346_000060362073_00367_34990_9877.N1	08NOV2008 12:03:46	08NOV2008 13:44:22	0	0	0	0	0
9	SCI_NL__OPNPDK20081108_134422_000059802073_00368_34991_9878.N1	08NOV2008 13:44:22	08NOV2008 15:24:03	0	0	0	0	0
10	SCI_NL__OPNPDK20081108_152211_000058982073_00369_34992_9879.N1	08NOV2008 15:22:11	08NOV2008 17:00:30	0	0	0	0	0
11	SCI_NL__OPNPDK20081108_170030_000058122073_00370_34993_9880.N1	08NOV2008 17:00:30	08NOV2008 18:37:21	0	0	0	0	0
12	SCI_NL__OPNPDK20081108_183721_000060922073_00371_34994_9881.N1	08NOV2008 18:37:21	08NOV2008 20:18:54	0	0	0	0	0
13	SCI_NL__OPNPDE20081108_201758_000041662073_00372_34995_7866.N1	08NOV2008 20:17:58	08NOV2008 21:27:24	0	0	0	0	0
14	SCI_NL__OPNPDE20081108_212724_000060032073_00372_34995_7867.N1	08NOV2008 21:27:24	08NOV2008 23:07:27	0	0	0	0	0
15	SCI_NL__OPNPDE20081108_231329_000056882073_00373_34996_7868.N1	08NOV2008 23:13:29	09NOV2008 00:48:16	0	0	0	0	0

0.2 Product Quality Indicators

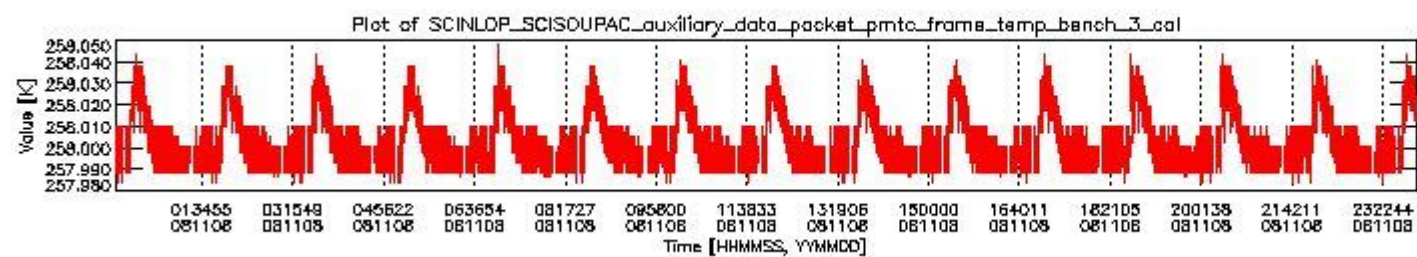
This section shows information about product quality, currently temperatures.



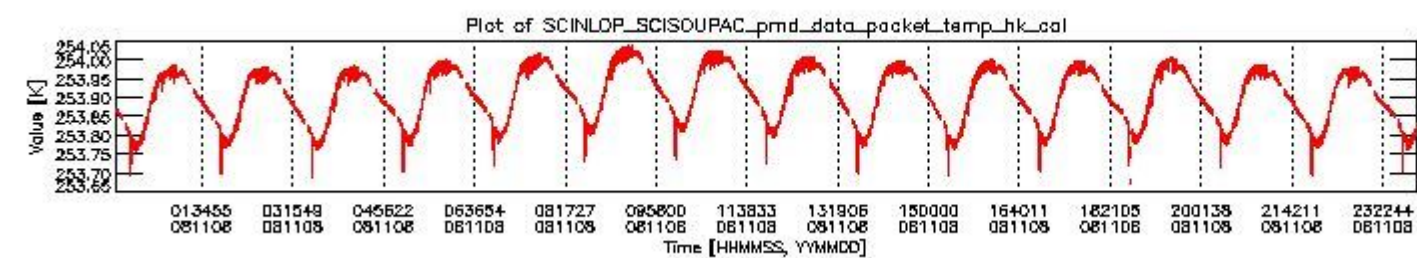
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081108_0.PNG



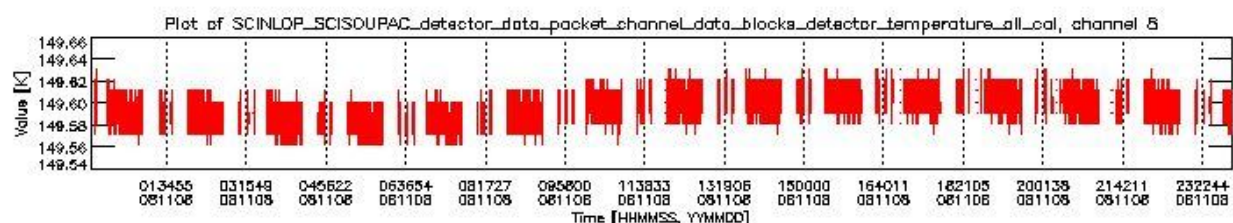
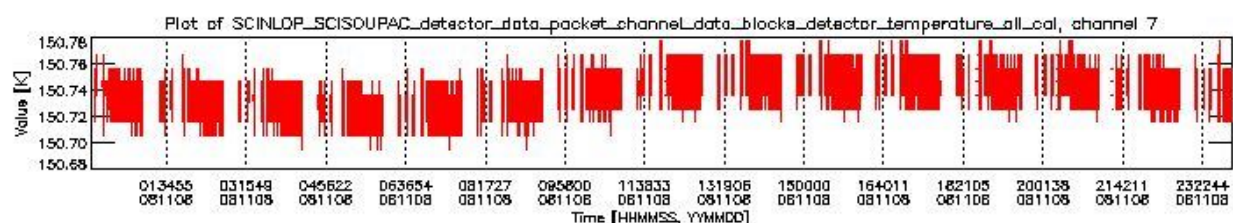
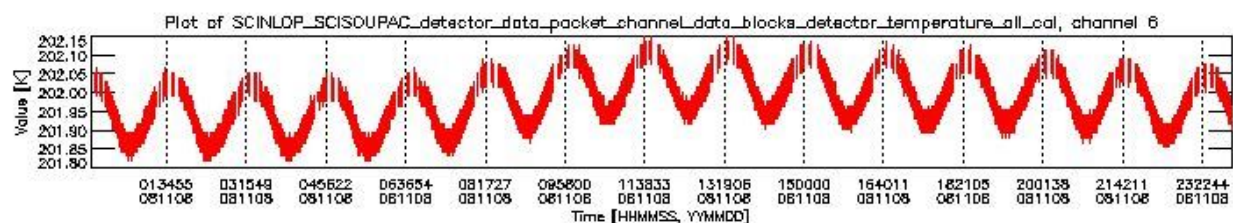
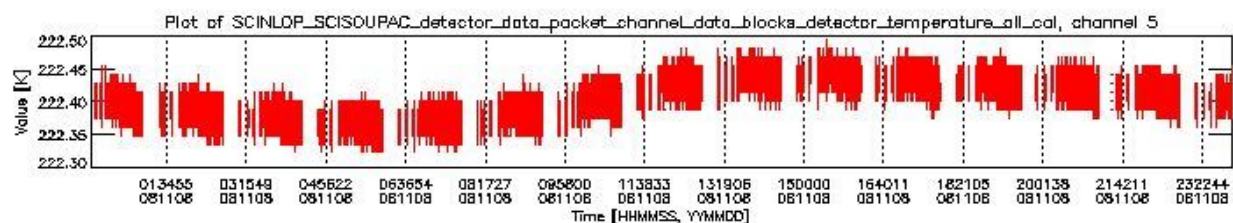
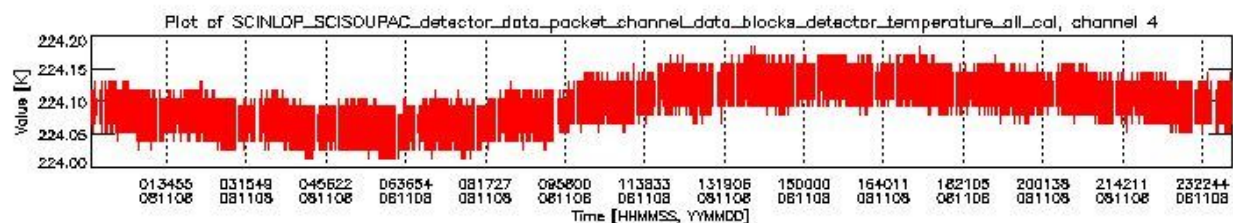
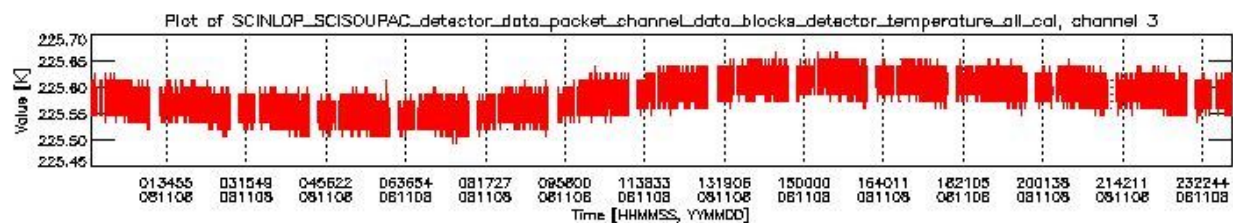
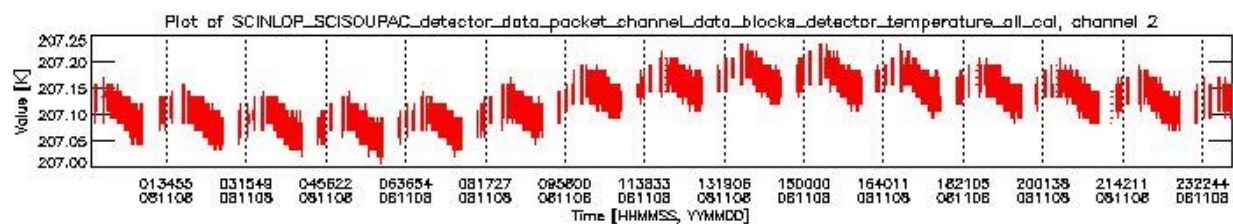
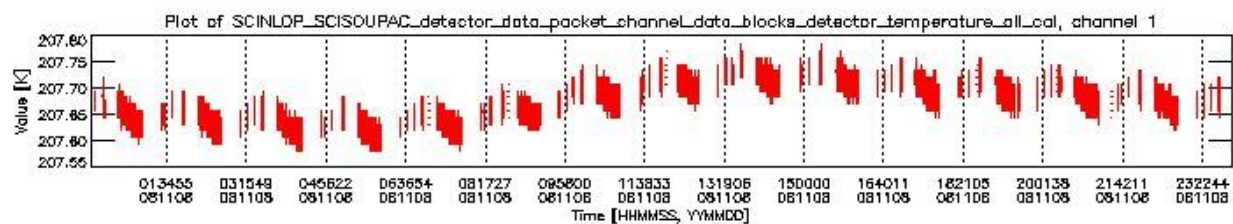
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081108_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081108_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081108_3.PNG

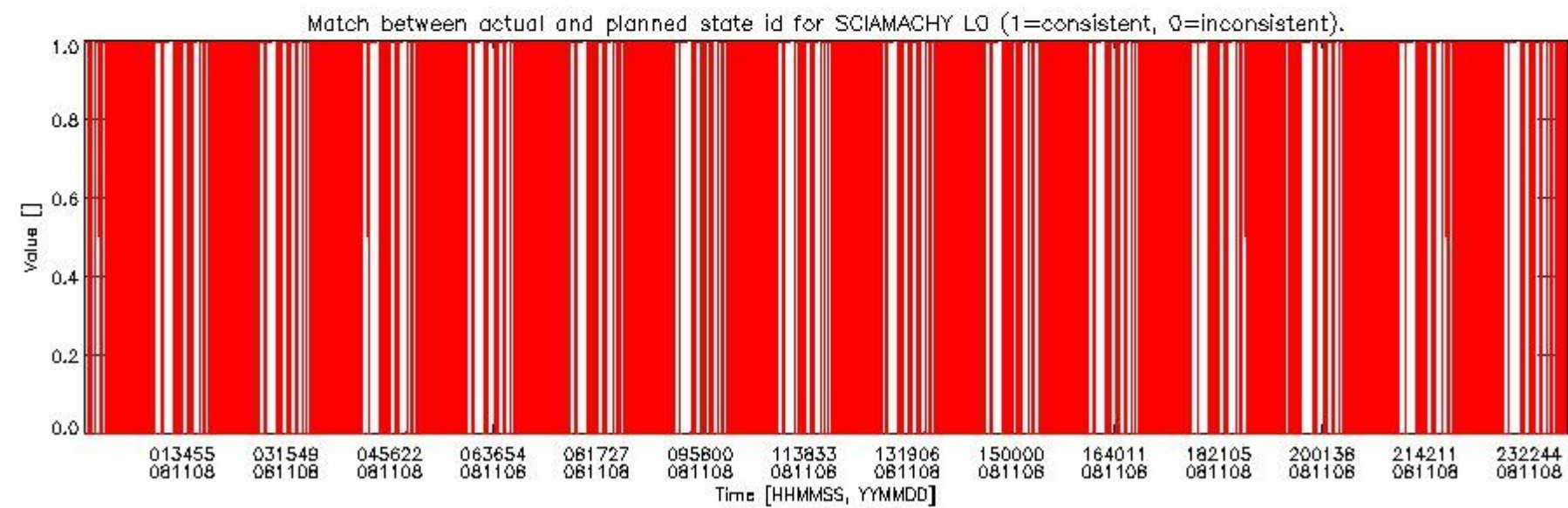
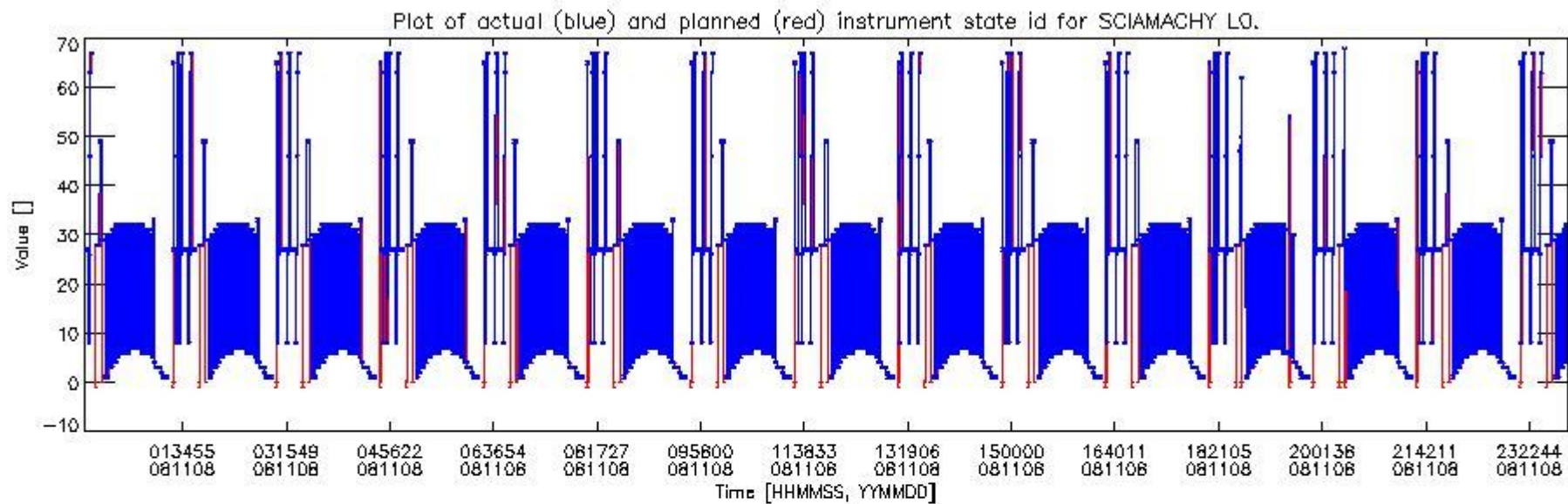


0.3 State monitoring

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: **55411**

#	Actual time	Actual value	Planned time	Planned value
0	08NOV2008 00:03:40.837185	8	08NOV2008 00:03:40.837185	27
1	08NOV2008 00:03:41.962184	8	08NOV2008 00:03:41.962184	27
2	08NOV2008 00:03:42.962178	8	08NOV2008 00:03:42.962178	27
3	08NOV2008 00:03:43.962173	8	08NOV2008 00:03:43.962173	27
4	08NOV2008 00:03:44.962208	8	08NOV2008 00:03:44.962208	27
5	08NOV2008 00:03:45.837198	8	08NOV2008 00:03:45.837198	27
6	08NOV2008 00:03:45.962202	8	08NOV2008 00:03:45.962202	27
7	08NOV2008 00:03:46.962197	8	08NOV2008 00:03:46.962197	27
8	08NOV2008 00:03:47.962191	8	08NOV2008 00:03:47.962191	27
9	08NOV2008 00:03:48.962186	8	08NOV2008 00:03:48.962186	27
10	08NOV2008 00:03:49.962181	8	08NOV2008 00:03:49.962181	27
11	08NOV2008 00:03:50.837171	8	08NOV2008 00:03:50.837171	27
12	08NOV2008 00:03:50.962175	8	08NOV2008 00:03:50.962175	27
13	08NOV2008 00:03:51.962210	8	08NOV2008 00:03:51.962210	27
14	08NOV2008 00:04:24.399692	26	08NOV2008 00:04:24.399692	8
15	08NOV2008 00:04:25.024714	26	08NOV2008 00:04:25.024714	8
16	08NOV2008 00:04:25.524691	26	08NOV2008 00:04:25.524691	8
17	08NOV2008 00:04:26.024709	26	08NOV2008 00:04:26.024709	8
18	08NOV2008 00:04:26.524686	26	08NOV2008 00:04:26.524686	8
19	08NOV2008 00:04:27.024703	26	08NOV2008 00:04:27.024703	8

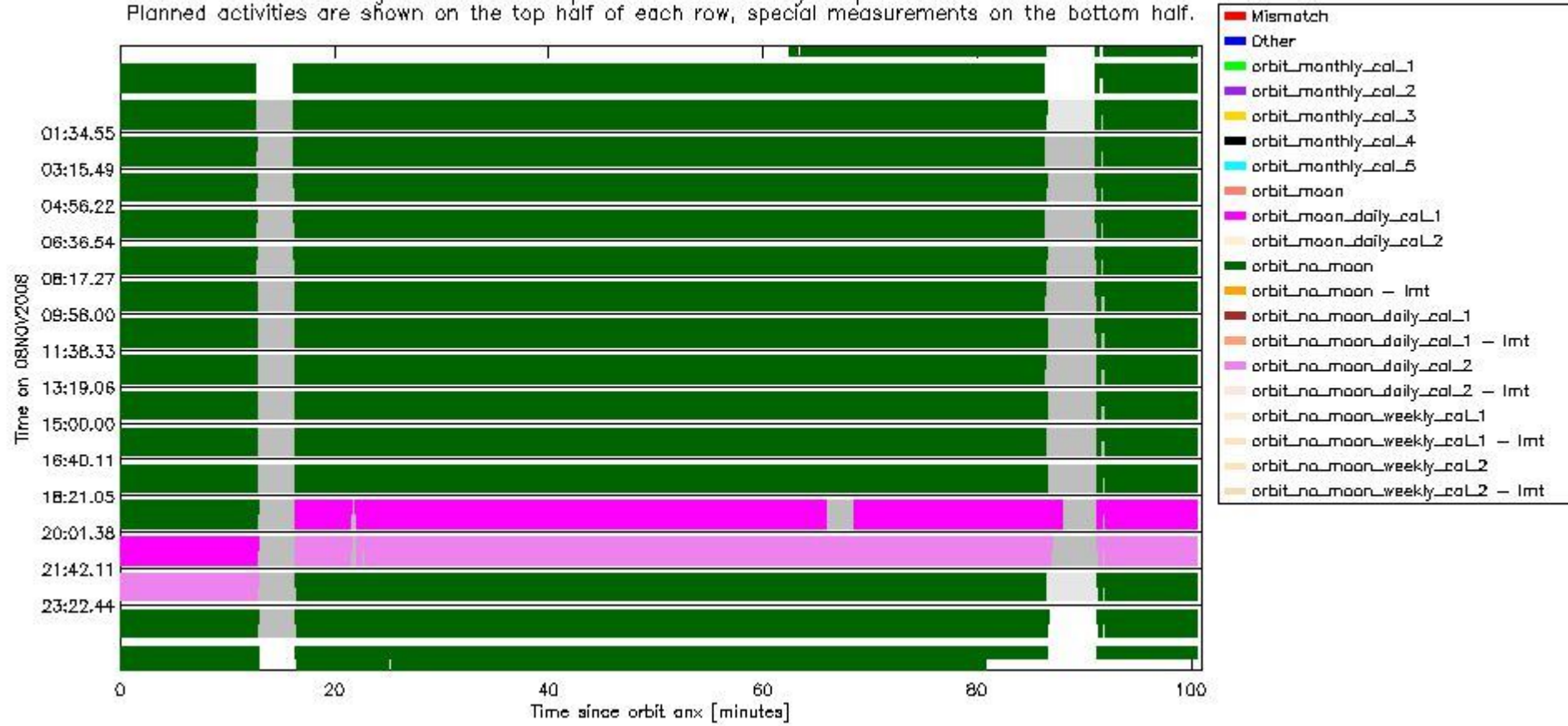


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081108_5.PNG

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 08NOV2008.
 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_20081108_6.PNG

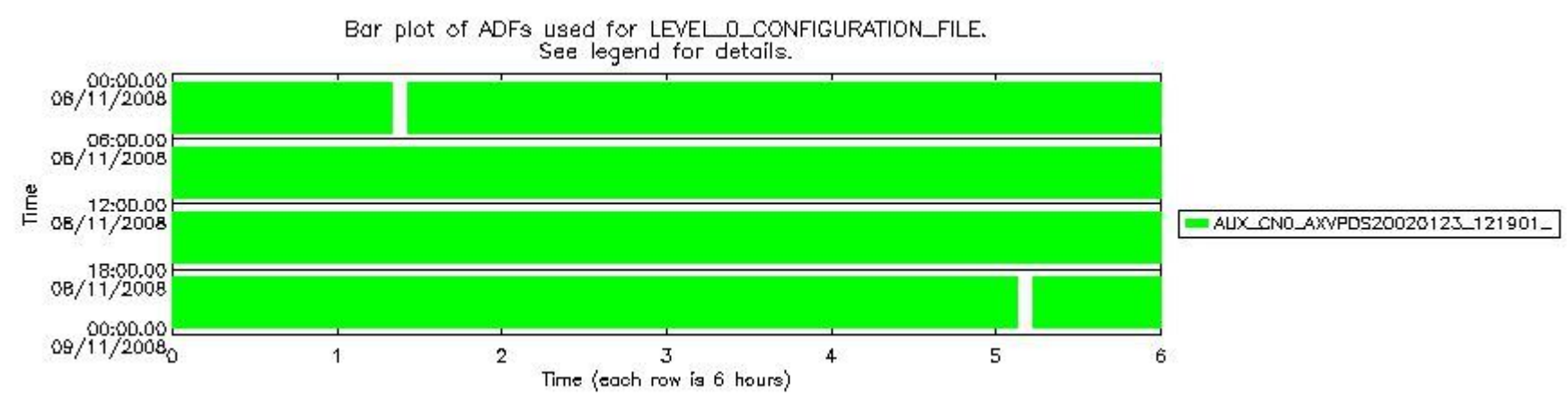
0.4 ADF monitoring

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

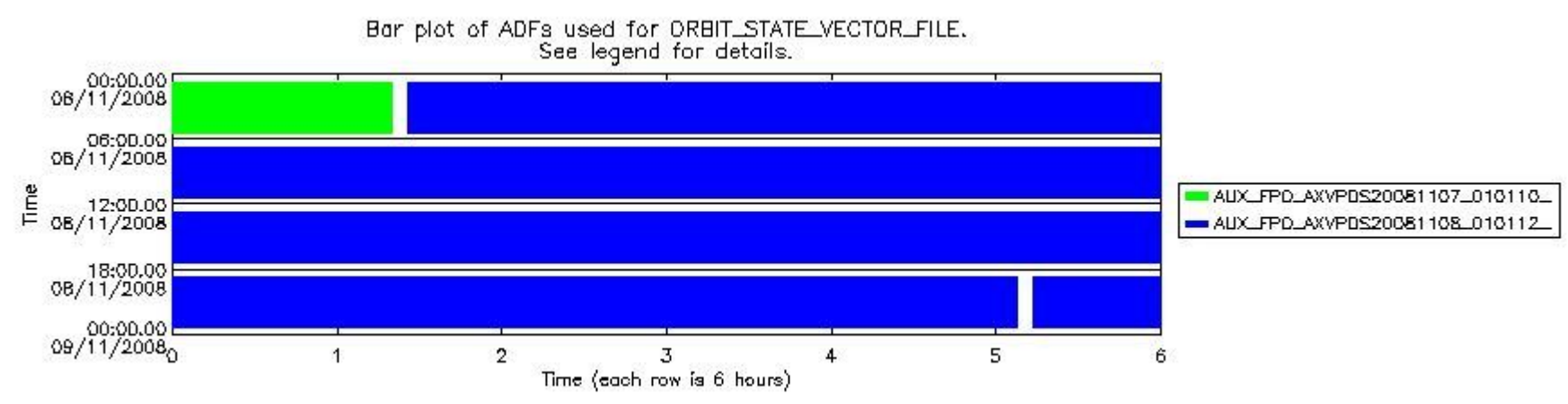
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

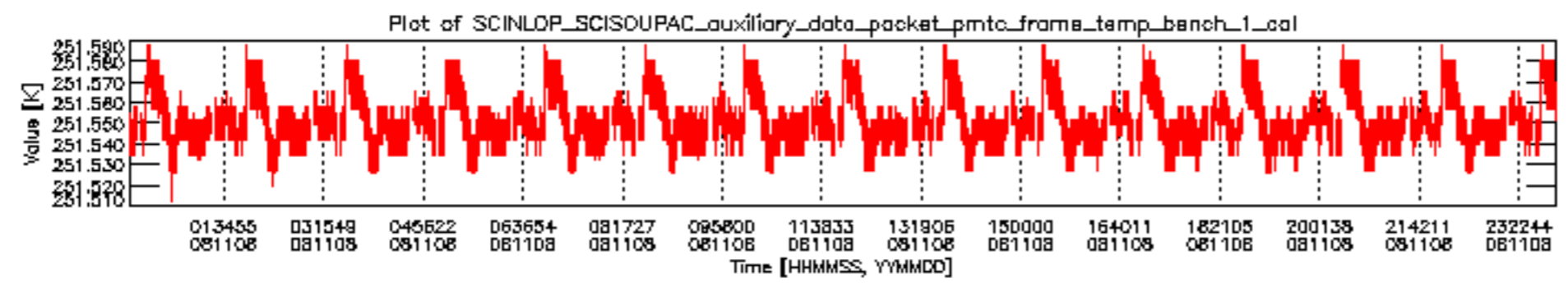
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081107_010110_20081106_192415_20081116_205028
2	AUX_FPO_AXVPDS20081108_010112_20081107_185238_20081117_201851

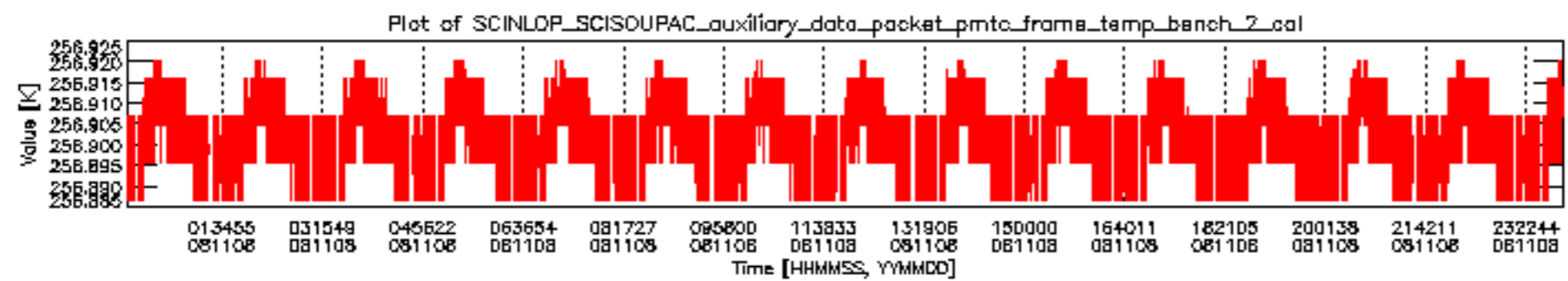


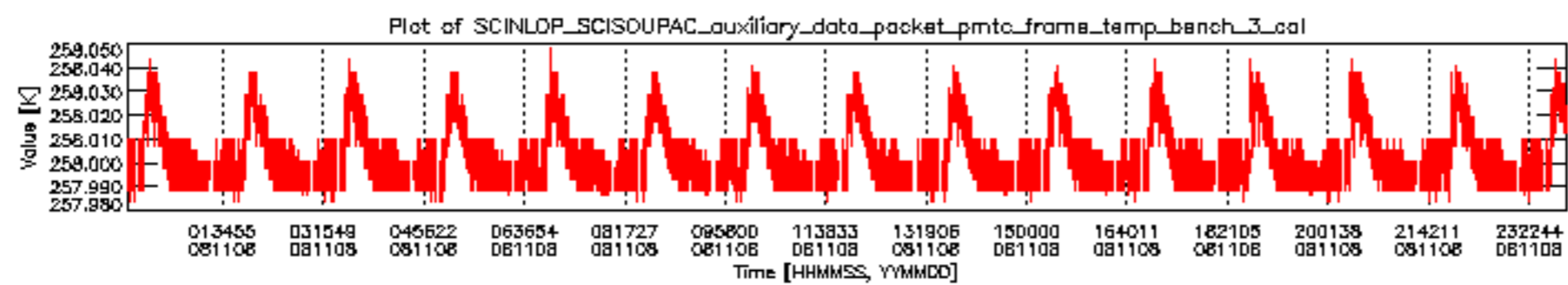
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081108_7.PNG

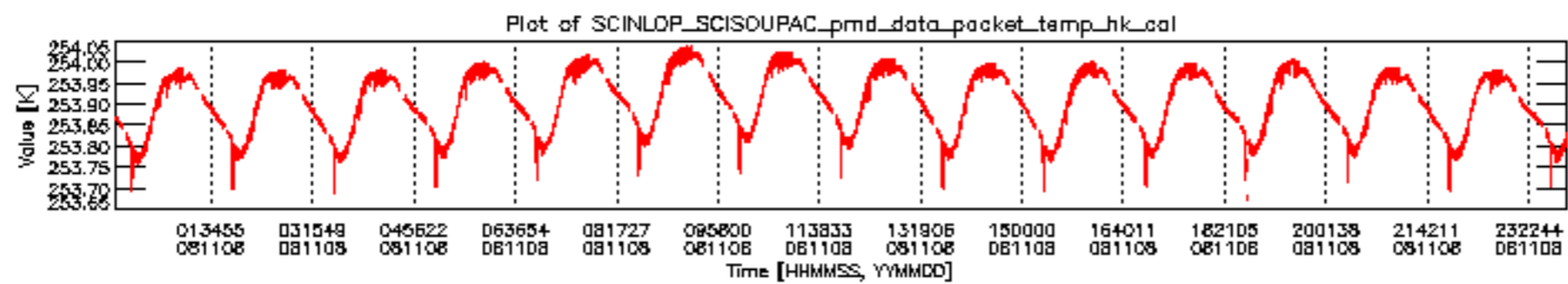


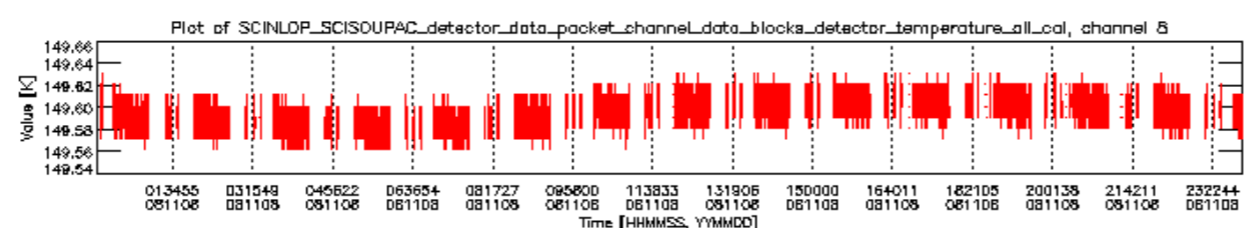
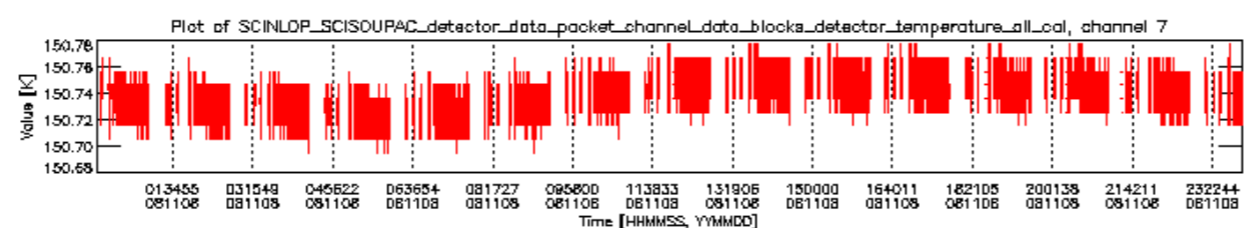
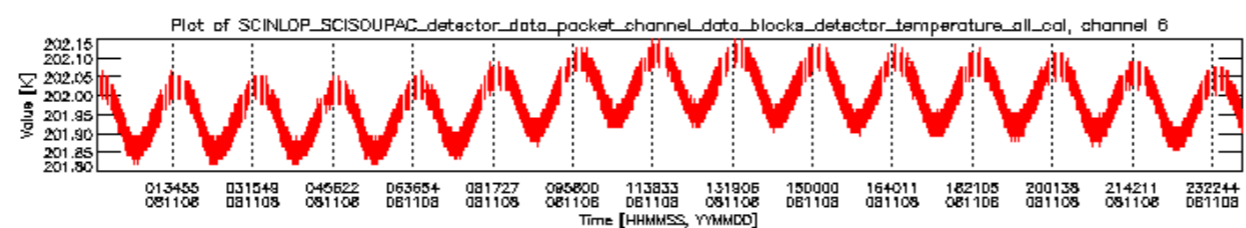
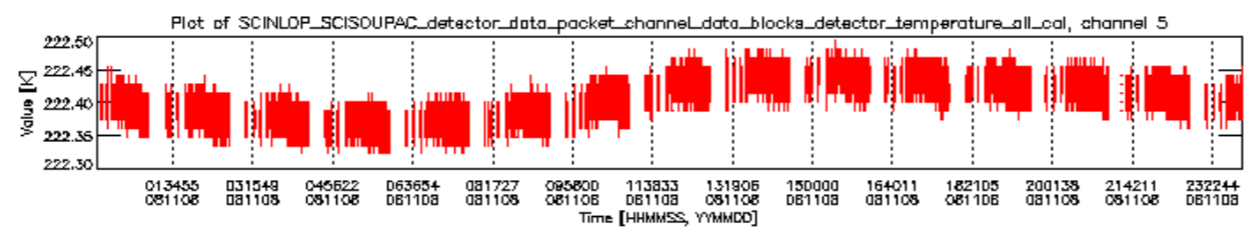
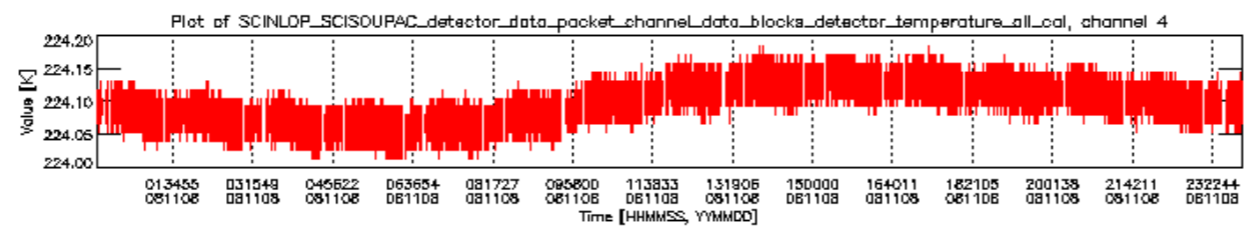
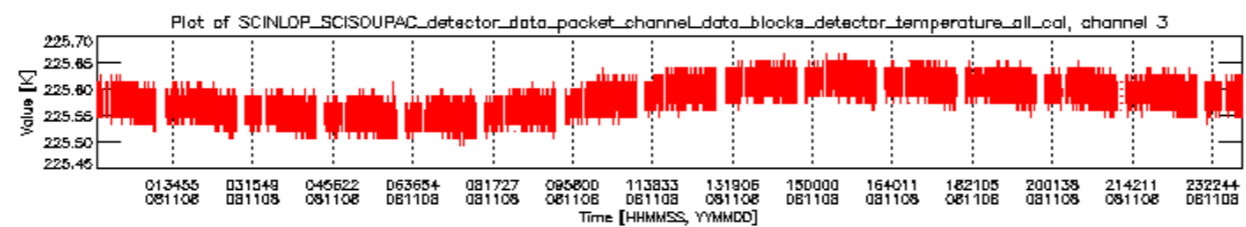
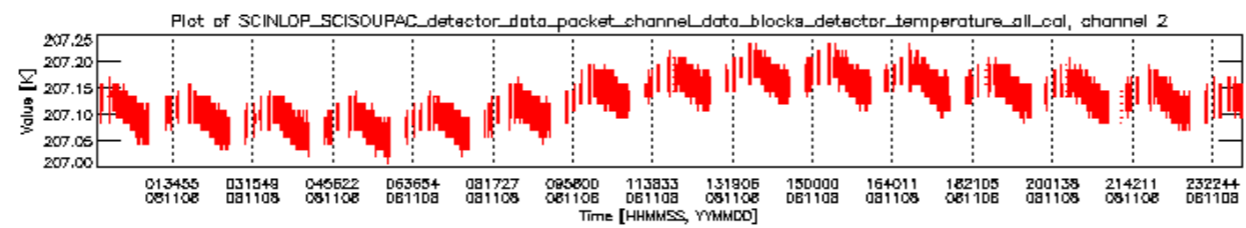
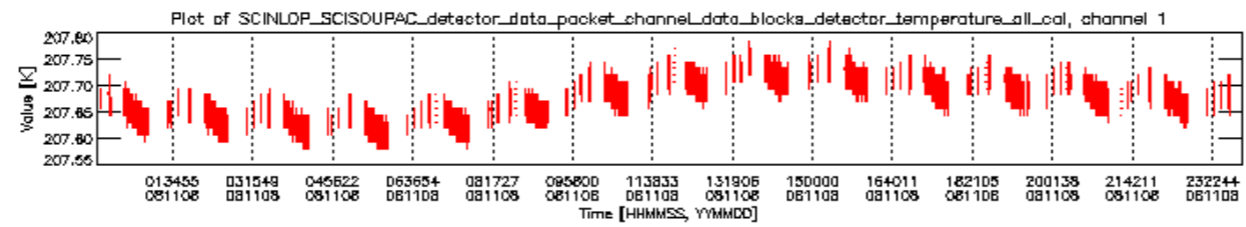
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081108_8.PNG

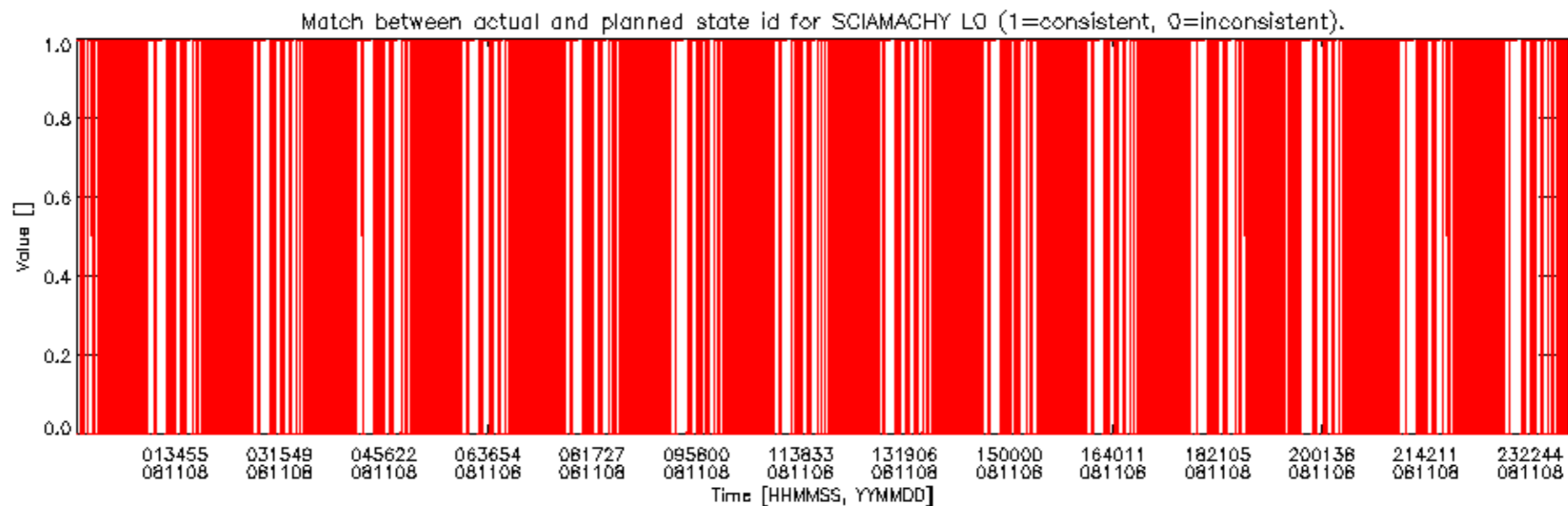
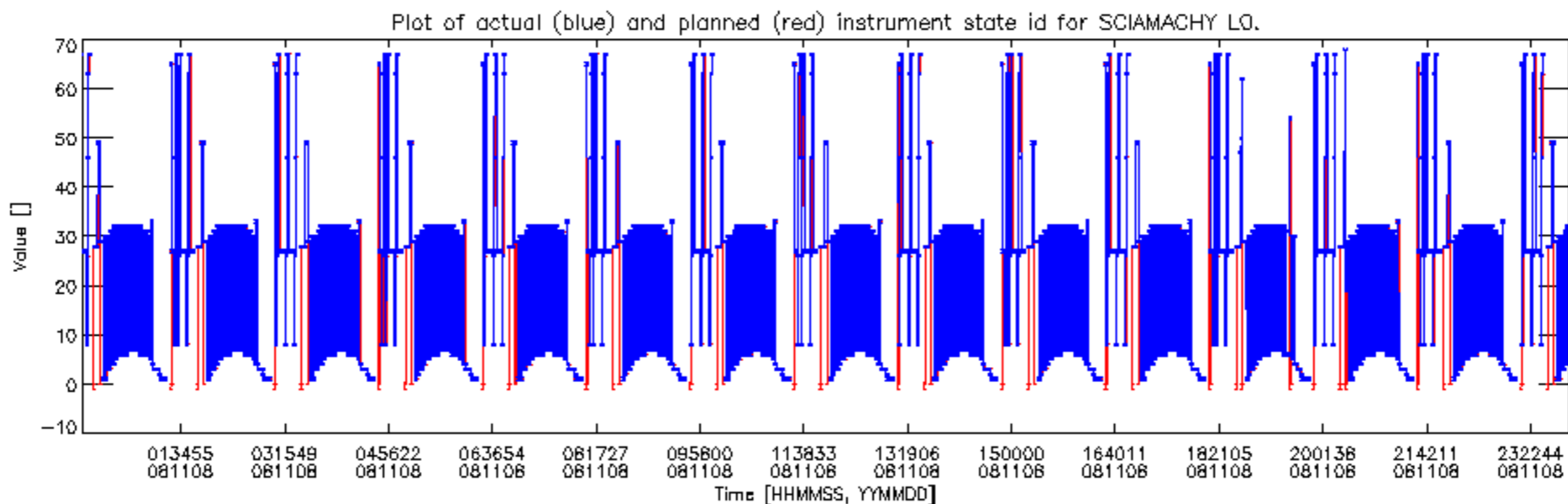












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