

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	03NOV2008 04:23:38
Data source version	KSPT_L0/4303-N
Processing scope for products	30OCT2008 00:00:00 to 31OCT2008 00:00:00
Start time of first product within scope	29OCT2008 23:26:53
Stop time of last product within scope	31OCT2008 00:29:59
Total number of level 0 products	16
Number of level 0 products with errors	1

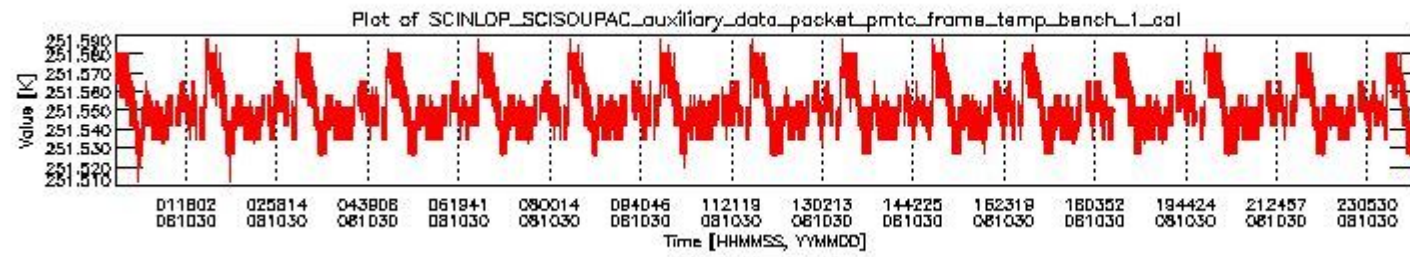
0.1.2 Summary per product

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

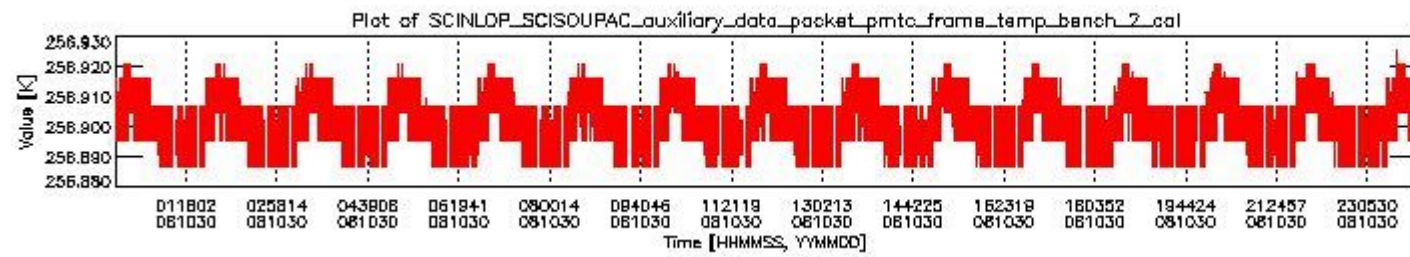
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081029_232653_000056772073_00230_34853_7807.N1	29OCT2008 23:26:53	30OCT2008 01:01:30	0	0	0	0	0
1	SCI_NL__OPNPDE20081030_010730_000045062073_00231_34854_7808.N1	30OCT2008 01:07:30	30OCT2008 02:22:36	0	0	0	0	0
2	SCI_NL__OPNPDE20081030_022127_000057872073_00232_34855_7809.N1	30OCT2008 02:21:27	30OCT2008 03:57:55	0	0	0	0	0
3	SCI_NL__OPNPDE20081030_035646_000061742073_00233_34856_7810.N1	30OCT2008 03:56:46	30OCT2008 05:39:40	0	0	0	0	0
4	SCI_NL__OPNPDE20081030_053831_000061612073_00234_34857_7811.N1	30OCT2008 05:38:31	30OCT2008 07:21:12	0	0	0	0	0
5	SCI_NL__OPNPDK20081030_072003_000039902073_00235_34858_9803.N1	30OCT2008 07:20:03	30OCT2008 08:26:33	0	0	0	0	0
6	SCI_NL__OPNPDK20081030_082429_000062172073_00236_34859_9804.N1	30OCT2008 08:24:29	30OCT2008 10:08:05	0	0	0	0	0
7	SCI_NL__OPNPDK20081030_100709_000059802073_00237_34860_9805.N1	30OCT2008 10:07:09	30OCT2008 11:46:50	1	1	0	0	0
8	SCI_NL__OPNPDK20081030_114541_000059802073_00238_34861_9806.N1	30OCT2008 11:45:41	30OCT2008 13:25:22	0	0	0	0	0
9	SCI_NL__OPNPDK20081030_132426_000060922073_00239_34862_9807.N1	30OCT2008 13:24:26	30OCT2008 15:05:58	0	0	0	0	0
10	SCI_NL__OPNPDK20081030_150406_000058992073_00240_34863_9808.N1	30OCT2008 15:04:06	30OCT2008 16:42:25	0	0	0	0	0
11	SCI_NL__OPNPDK20081030_164225_000055132073_00241_34864_9809.N1	30OCT2008 16:42:25	30OCT2008 18:14:18	0	0	0	0	0
12	SCI_NL__OPNPDK20081030_181917_000057332073_00242_34865_9810.N1	30OCT2008 18:19:17	30OCT2008 19:54:49	0	0	0	0	0
13	SCI_NL__OPNPDE20081030_195449_000043892073_00243_34866_7812.N1	30OCT2008 19:54:49	30OCT2008 21:07:58	0	0	0	0	0
14	SCI_NL__OPNPDE20081030_210649_000061662073_00243_34866_7813.N1	30OCT2008 21:06:49	30OCT2008 22:49:35	0	0	0	0	0
15	SCI_NL__OPNPDE20081030_225522_000056772073_00244_34867_7814.N1	30OCT2008 22:55:22	31OCT2008 00:29:59	0	0	0	0	0

0.2 Product Quality Indicators

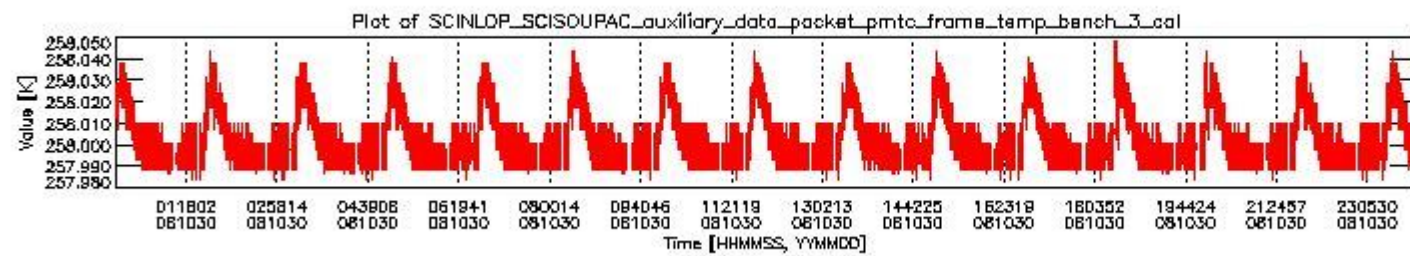
This section shows information about product quality, currently temperatures.



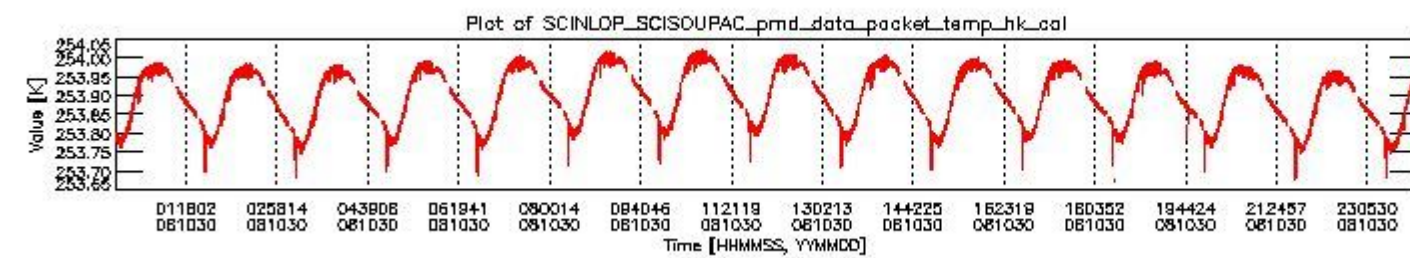
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081030_0.PNG



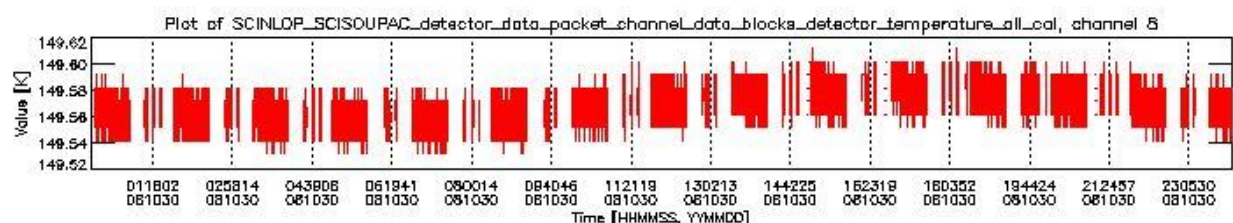
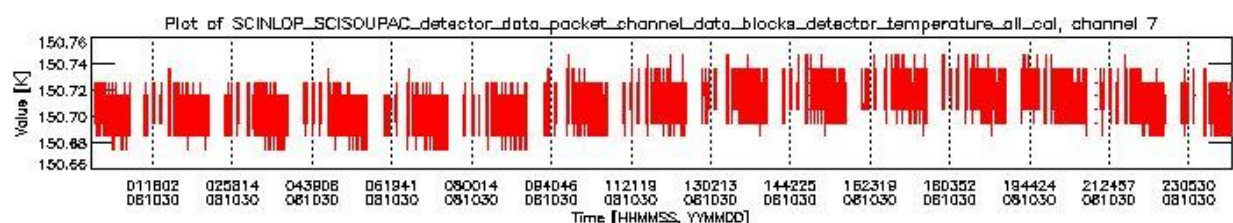
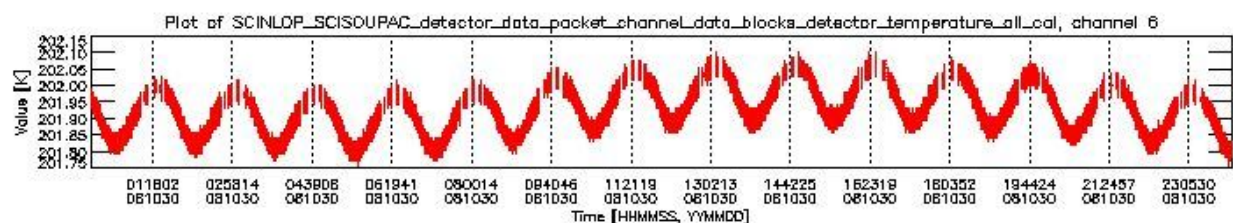
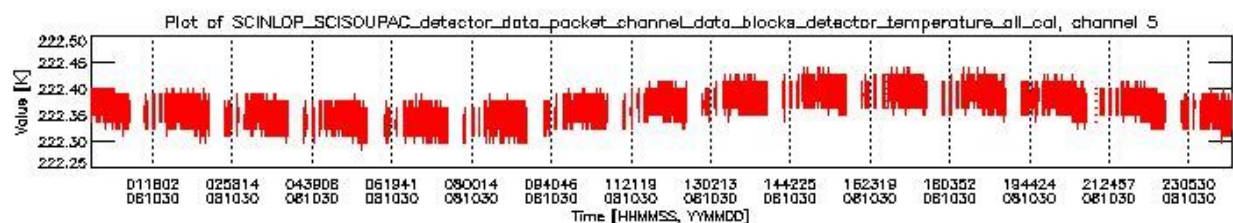
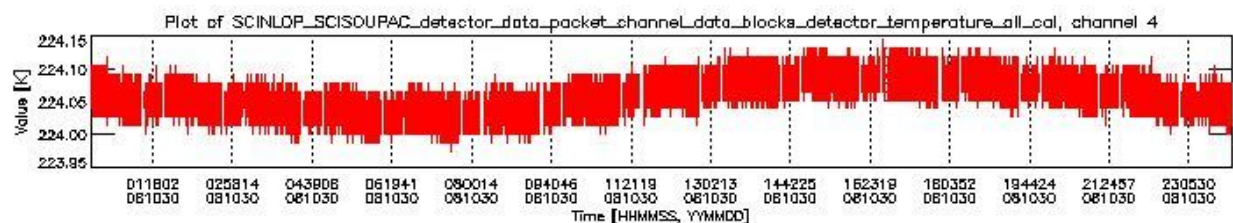
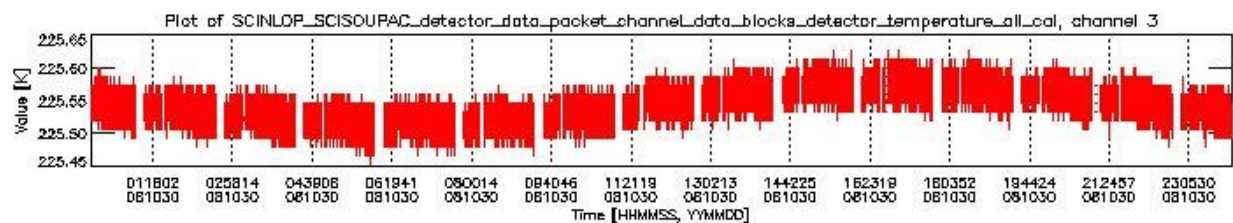
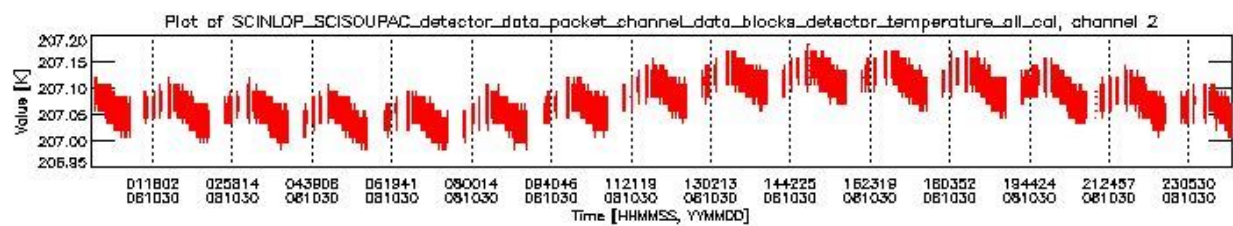
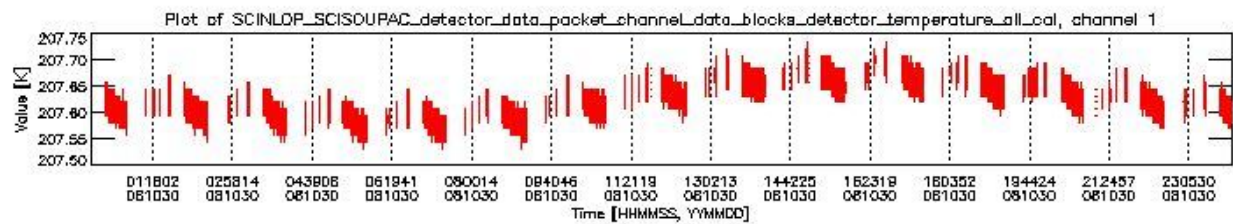
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081030_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081030_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081030_3.PNG

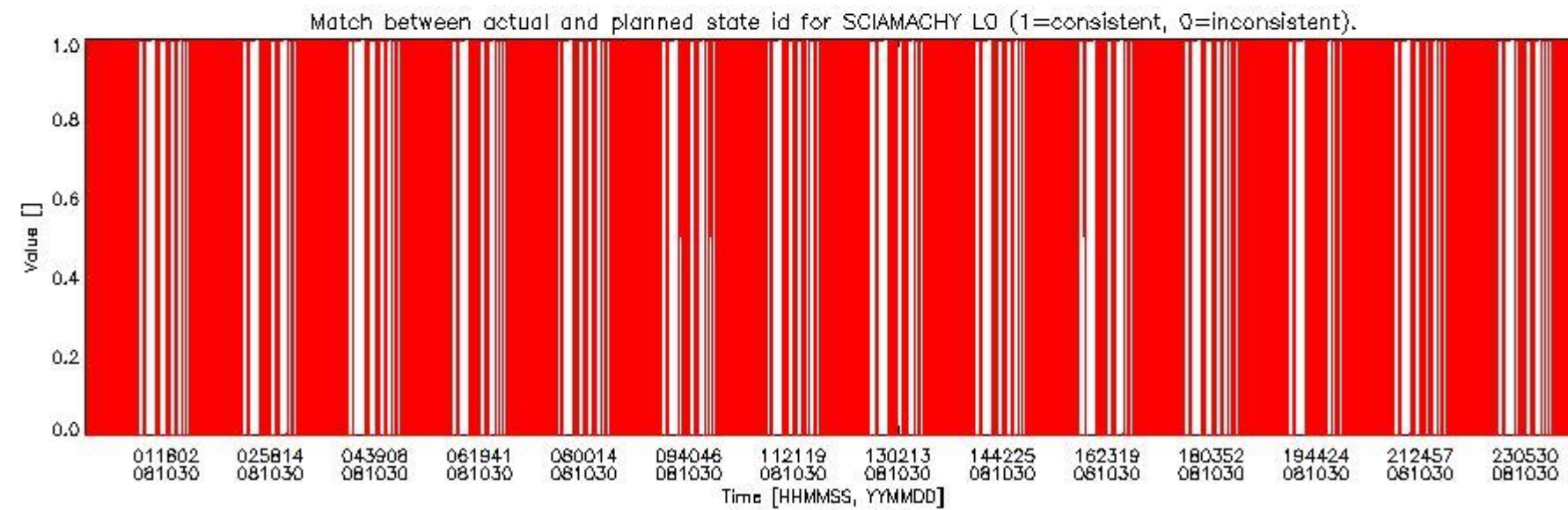
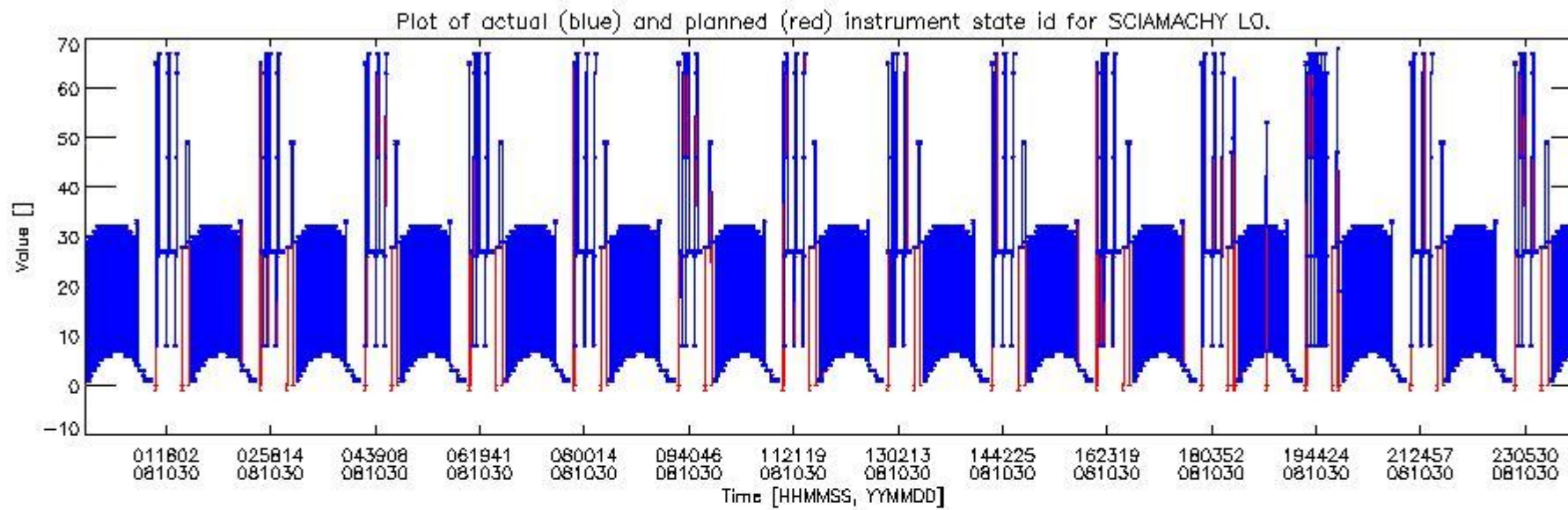


0.3 State monitoring

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: **50739**

#	Actual time	Actual value	Planned time	Planned value
0	30OCT2008 00:02:23.096226	1	30OCT2008 00:02:23.096226	29
1	30OCT2008 00:02:23.346235	1	30OCT2008 00:02:23.346235	29
2	30OCT2008 00:02:23.471240	1	30OCT2008 00:02:23.471240	29
3	30OCT2008 00:02:23.596244	1	30OCT2008 00:02:23.596244	29
4	30OCT2008 00:02:23.721248	1	30OCT2008 00:02:23.721248	29
5	30OCT2008 00:02:23.846212	1	30OCT2008 00:02:23.846212	29
6	30OCT2008 00:02:23.971217	1	30OCT2008 00:02:23.971217	29
7	30OCT2008 00:02:24.096221	1	30OCT2008 00:02:24.096221	29
8	30OCT2008 00:02:24.221225	1	30OCT2008 00:02:24.221225	29
9	30OCT2008 00:02:24.346230	1	30OCT2008 00:02:24.346230	29
10	30OCT2008 00:02:24.471234	1	30OCT2008 00:02:24.471234	29
11	30OCT2008 00:02:24.596238	1	30OCT2008 00:02:24.596238	29
12	30OCT2008 00:02:24.721243	1	30OCT2008 00:02:24.721243	29
13	30OCT2008 00:02:24.846247	1	30OCT2008 00:02:24.846247	29
14	30OCT2008 00:02:24.971211	1	30OCT2008 00:02:24.971211	29
15	30OCT2008 00:02:25.096216	1	30OCT2008 00:02:25.096216	29
16	30OCT2008 00:02:25.221220	1	30OCT2008 00:02:25.221220	29
17	30OCT2008 00:02:25.346224	1	30OCT2008 00:02:25.346224	29
18	30OCT2008 00:02:25.471229	1	30OCT2008 00:02:25.471229	29
19	30OCT2008 00:02:25.596233	1	30OCT2008 00:02:25.596233	29

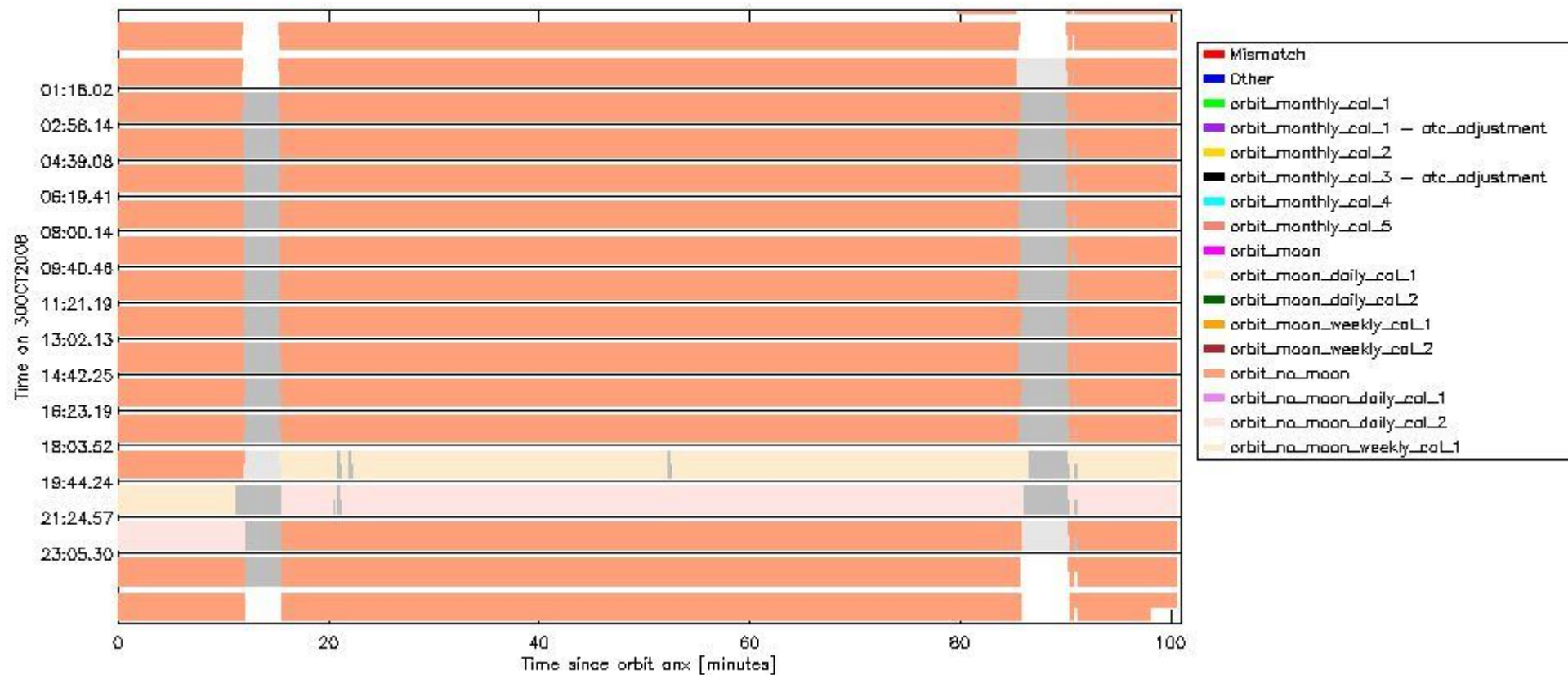


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081030_5.PNG

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 30OCT2008.
 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_20081030_6.PNG

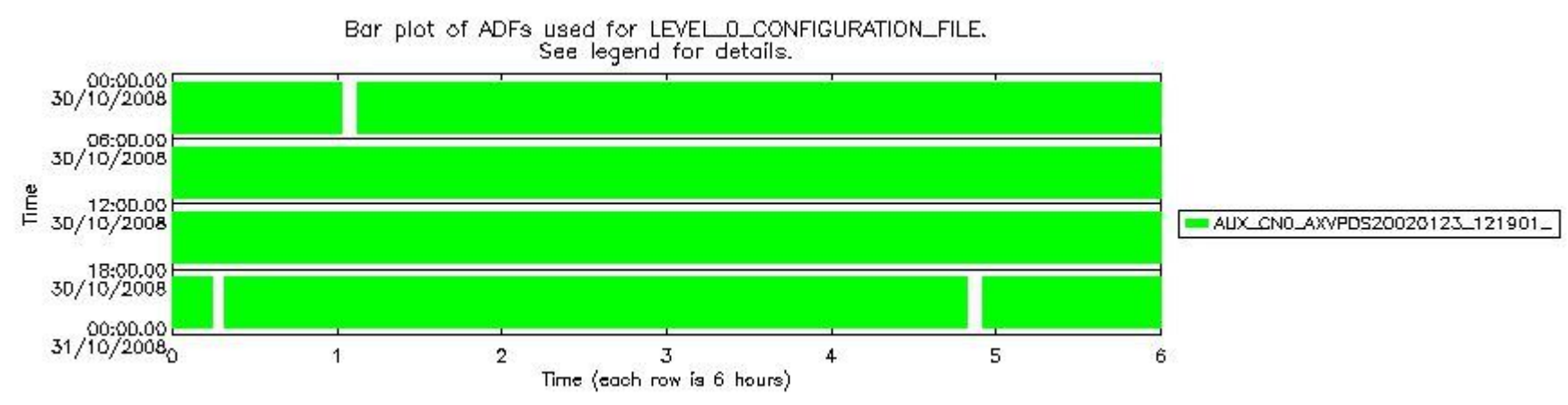
0.4 ADF monitoring

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

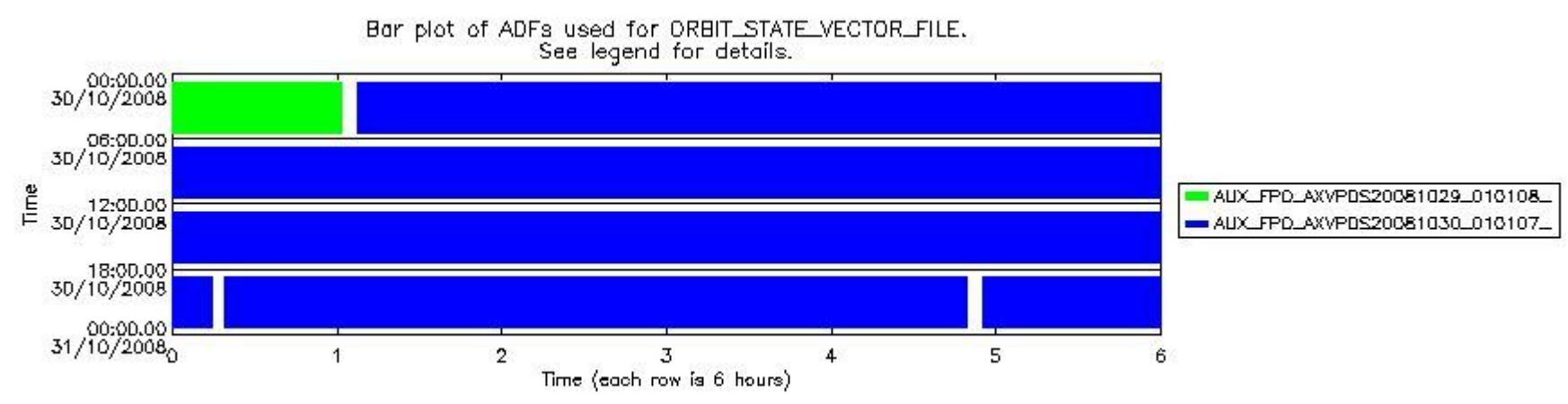
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

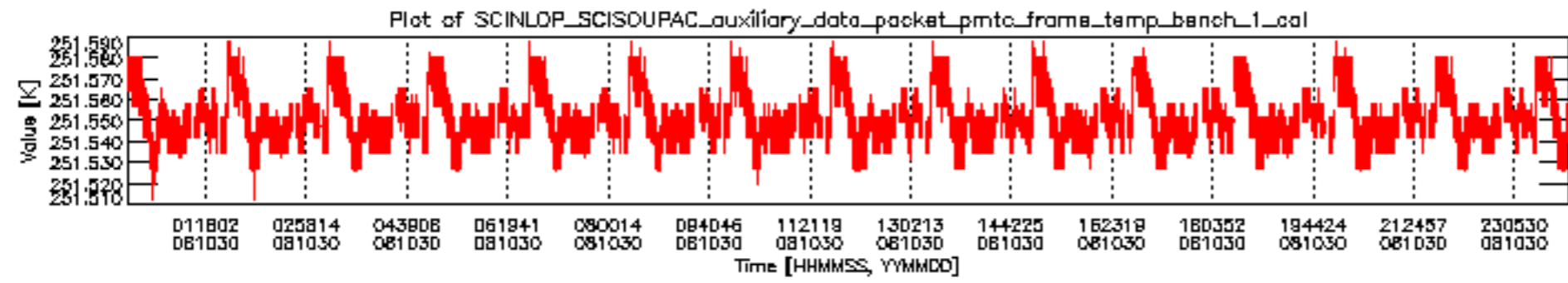
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081029_010108_20081028_190702_20081107_203314
2	AUX_FPO_AXVPDS20081030_010107_20081029_183524_20081108_200137

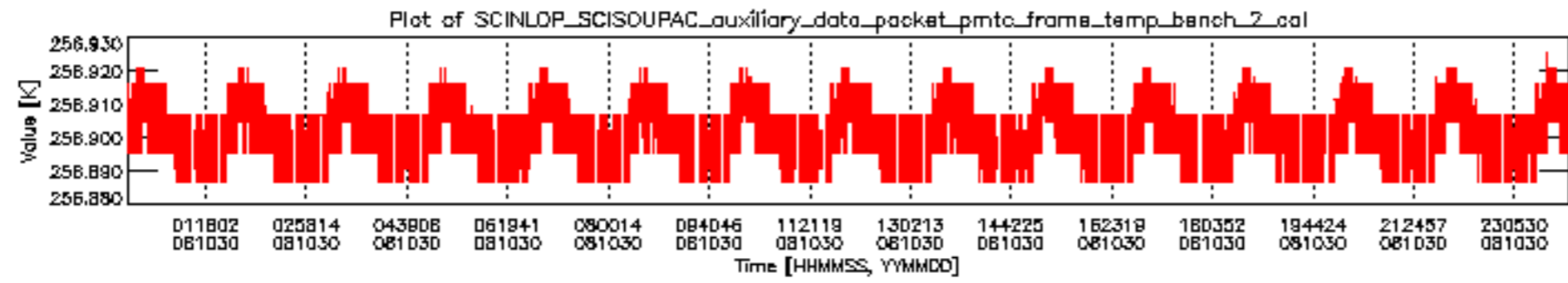


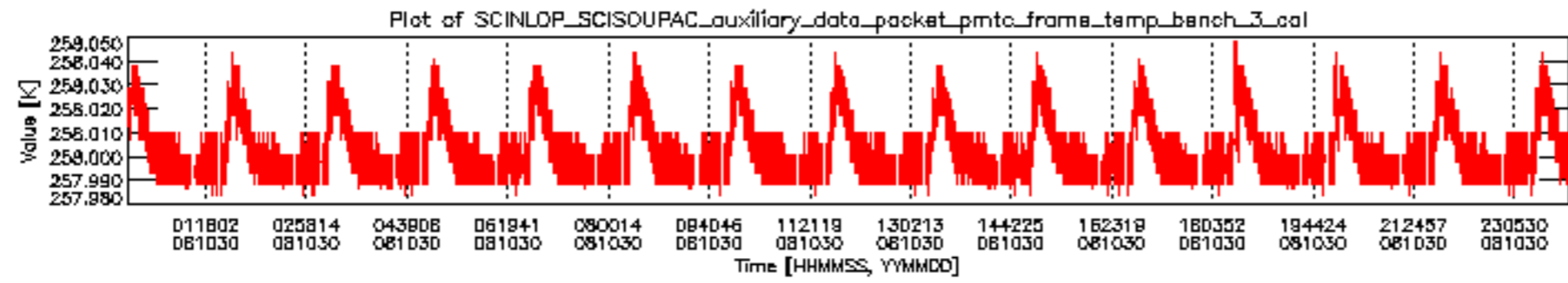
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081030_7.PNG

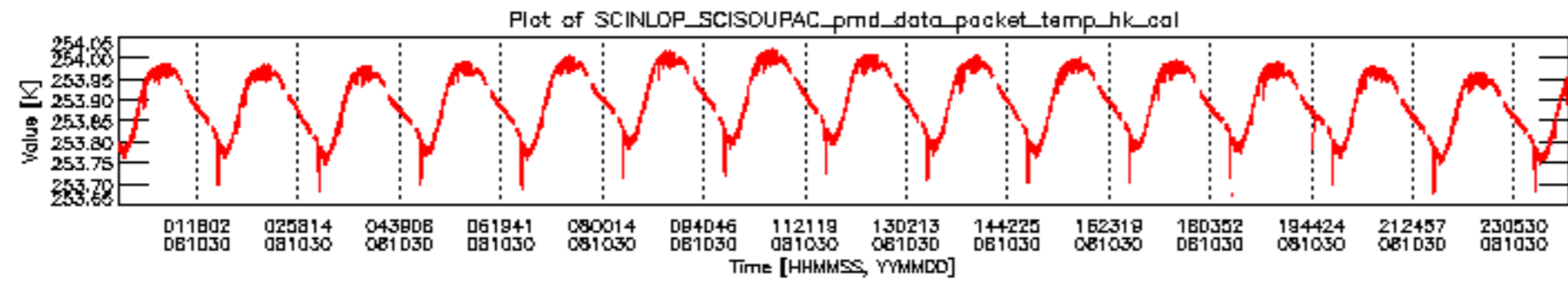


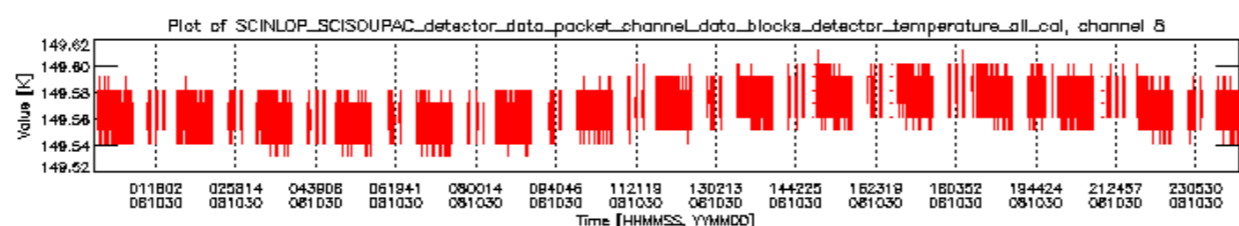
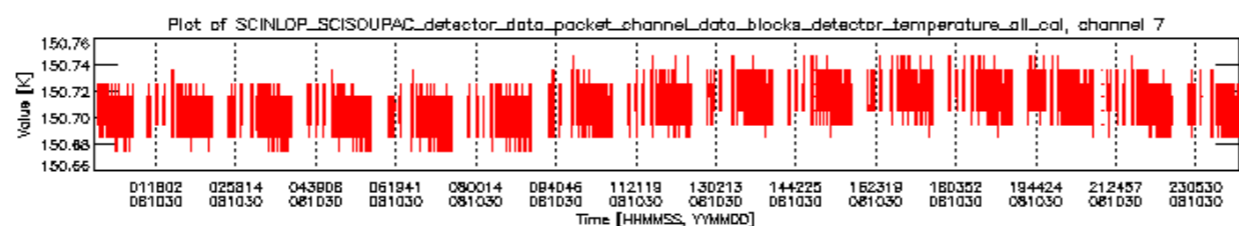
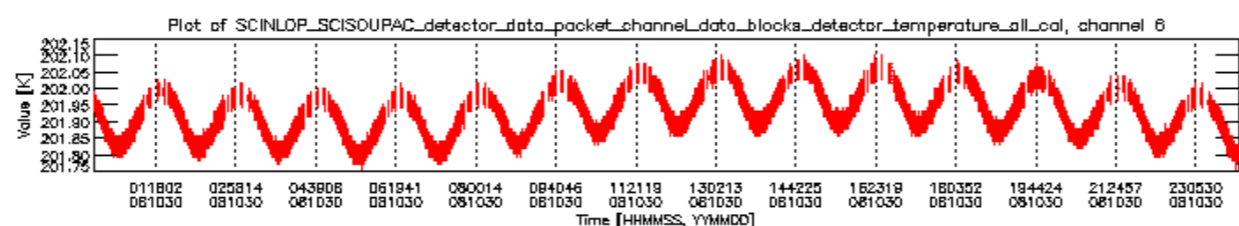
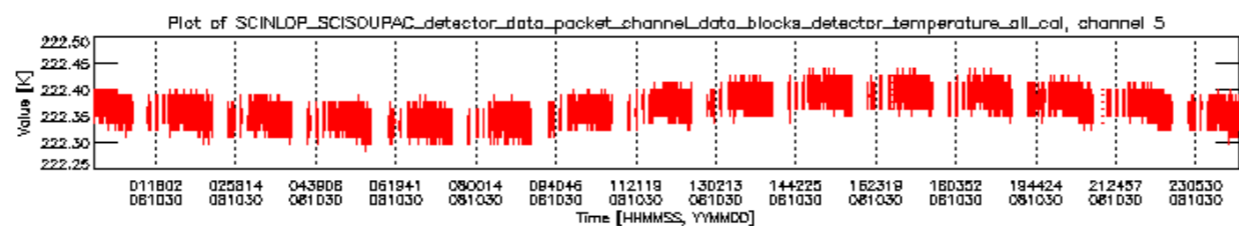
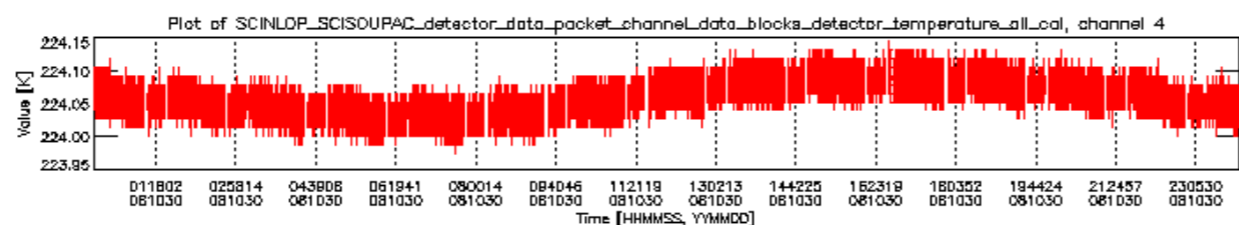
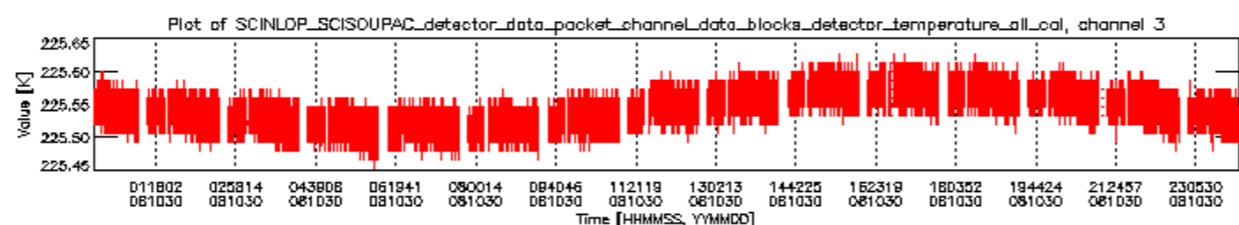
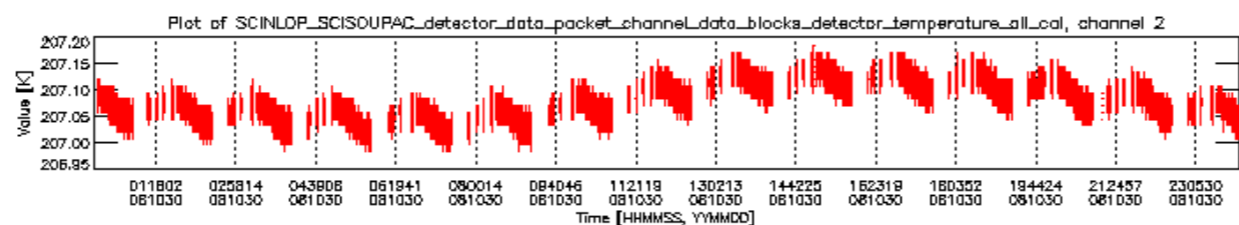
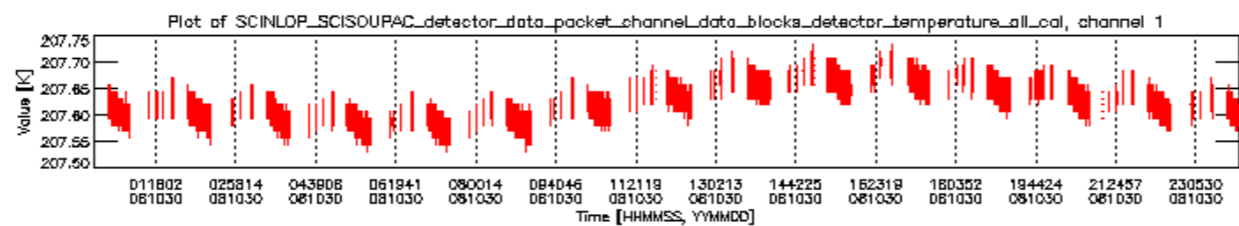
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081030_8.PNG

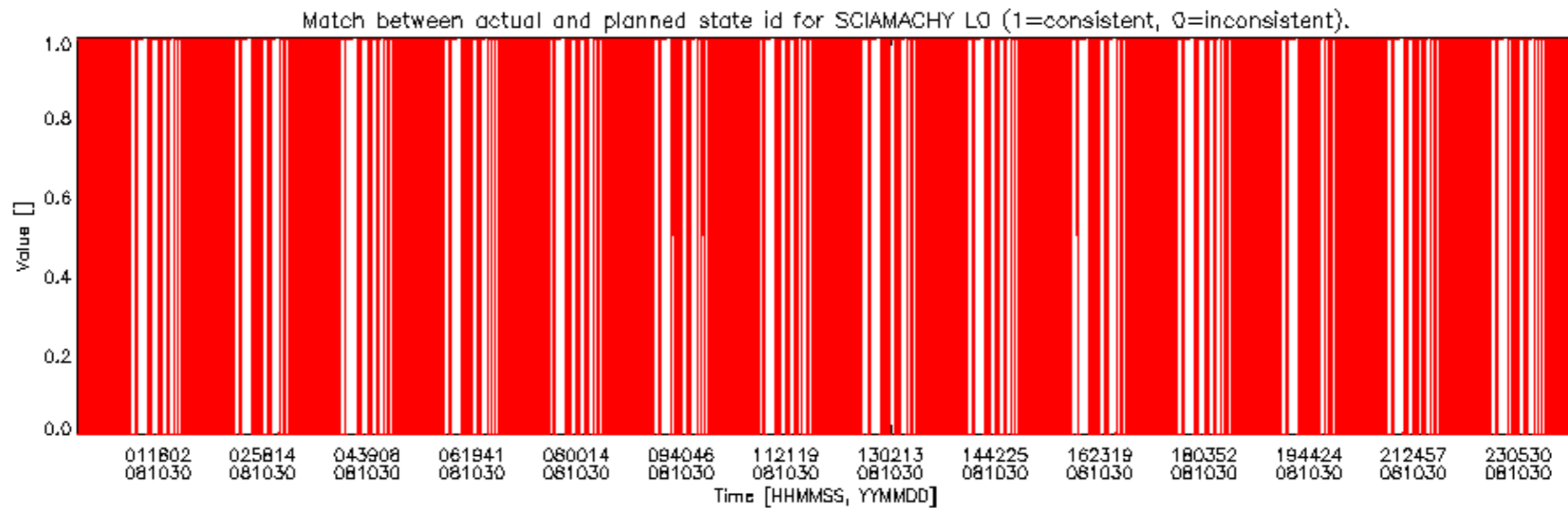
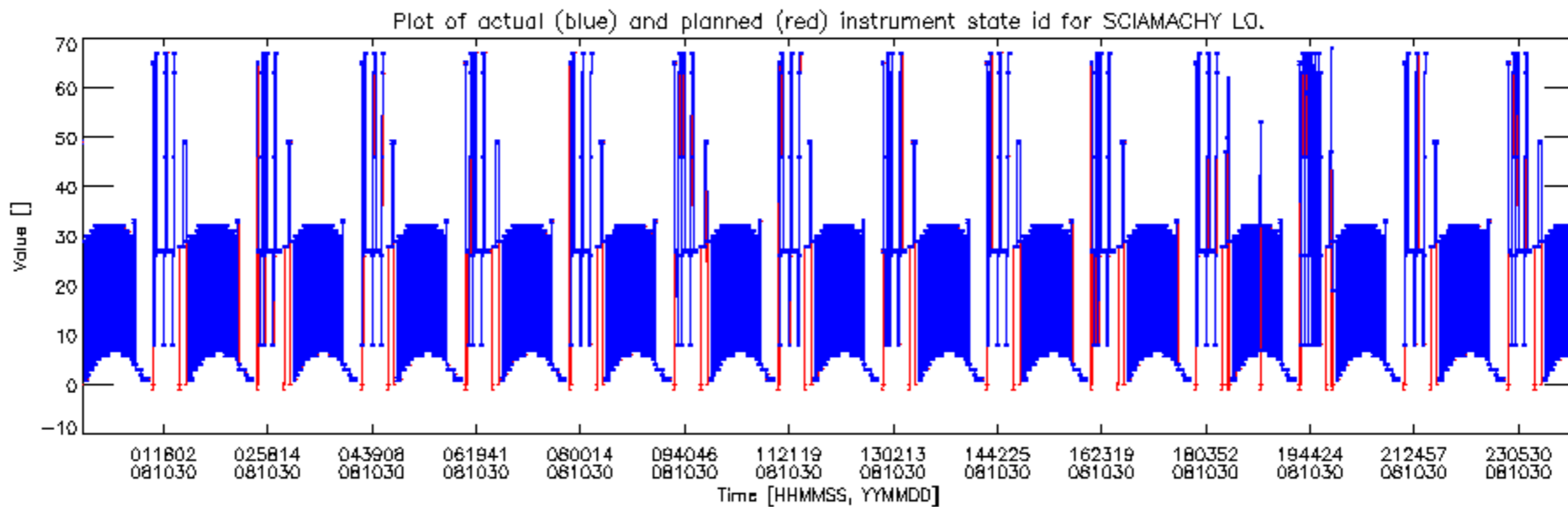












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