

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	02DEC2008 04:08:52
Data source version	KSPT_L0/4303-N
Processing scope for products	28NOV2008 00:00:00 to 29NOV2008 00:00:00
Start time of first product within scope	27NOV2008 23:17:51
Stop time of last product within scope	29NOV2008 00:20:54
Total number of level 0 products	16
Number of level 0 products with errors	0

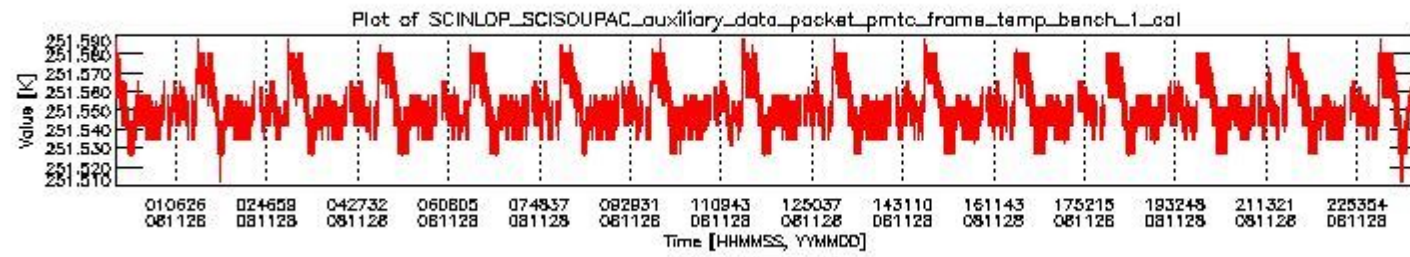
0.1.2 Summary per product

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

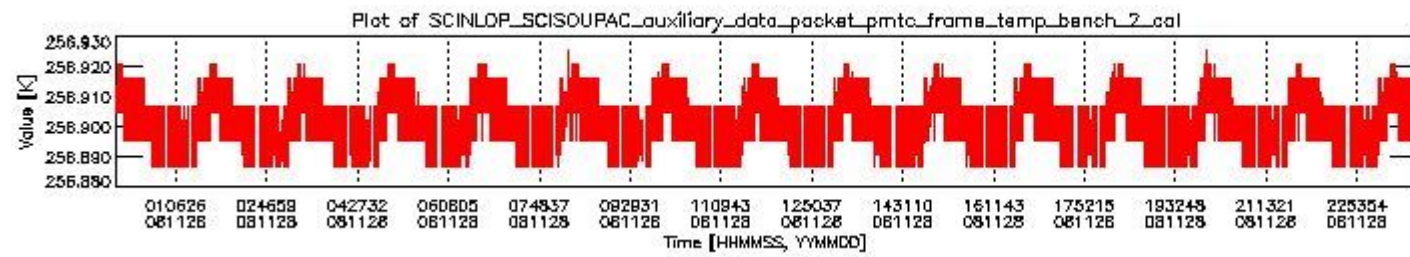
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081127_231751_000056782074_00144_35268_7989.N1	27NOV2008 23:17:51	28NOV2008 00:52:29	0	0	0	0	0
1	SCI_NL__OPNPDE20081128_005827_000043572074_00145_35269_7990.N1	28NOV2008 00:58:27	28NOV2008 02:11:04	0	0	0	0	0
2	SCI_NL__OPNPDE20081128_021104_000058002074_00146_35270_7991.N1	28NOV2008 02:11:04	28NOV2008 03:47:44	0	0	0	0	0
3	SCI_NL__OPNPDE20081128_034636_000061612074_00147_35271_7992.N1	28NOV2008 03:46:36	28NOV2008 05:29:16	0	0	0	0	0
4	SCI_NL__OPNPDE20081128_052808_000060492074_00148_35272_7993.N1	28NOV2008 05:28:08	28NOV2008 07:08:57	0	0	0	0	0
5	SCI_NL__OPNPDK20081128_070748_000041012074_00149_35273_0050.N1	28NOV2008 07:07:48	28NOV2008 08:16:09	0	0	0	0	0
6	SCI_NL__OPNPDK20081128_081609_000061732074_00150_35274_0051.N1	28NOV2008 08:16:09	28NOV2008 09:59:02	0	0	0	0	0
7	SCI_NL__OPNPDK20081128_095754_000059122074_00151_35275_0052.N1	28NOV2008 09:57:54	28NOV2008 11:36:25	0	0	0	0	0
8	SCI_NL__OPNPDK20081128_113530_000059802074_00152_35276_0053.N1	28NOV2008 11:35:30	28NOV2008 13:15:10	0	0	0	0	0
9	SCI_NL__OPNPDK20081128_131510_000058422074_00153_35277_0054.N1	28NOV2008 13:15:10	28NOV2008 14:52:32	0	0	0	0	0
10	SCI_NL__OPNPDK20081128_145232_000059792074_00154_35278_0055.N1	28NOV2008 14:52:32	28NOV2008 16:32:11	0	0	0	0	0
11	SCI_NL__OPNPDK20081128_163116_000059242074_00155_35279_0056.N1	28NOV2008 16:31:16	28NOV2008 18:10:00	0	0	0	0	0
12	SCI_NL__OPNPDK20081128_181000_000057502074_00156_35280_0057.N1	28NOV2008 18:10:00	28NOV2008 19:45:50	0	0	0	0	0
13	SCI_NL__OPNPDE20081128_195036_000039622074_00157_35281_7994.N1	28NOV2008 19:50:36	28NOV2008 20:56:38	0	0	0	0	0
14	SCI_NL__OPNPDE20081128_205530_000062762074_00157_35281_7995.N1	28NOV2008 20:55:30	28NOV2008 22:40:06	0	0	0	0	0
15	SCI_NL__OPNPDE20081128_224618_000056772074_00158_35282_7996.N1	28NOV2008 22:46:18	29NOV2008 00:20:54	0	0	0	0	0

0.2 Product Quality Indicators

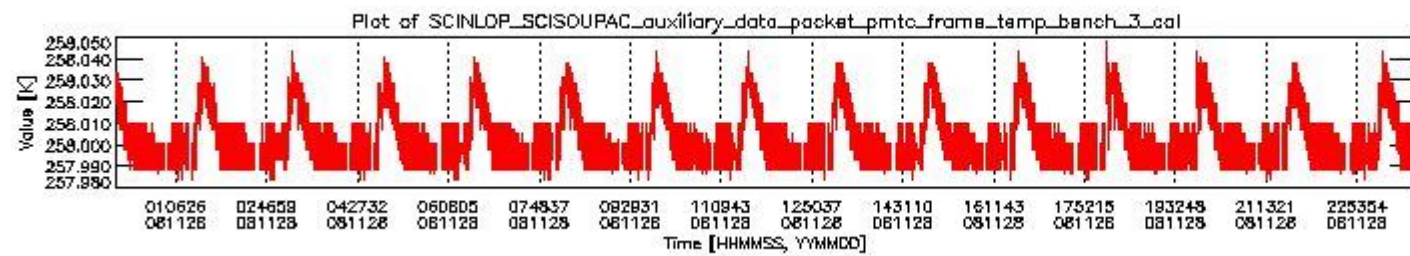
This section shows information about product quality, currently temperatures.



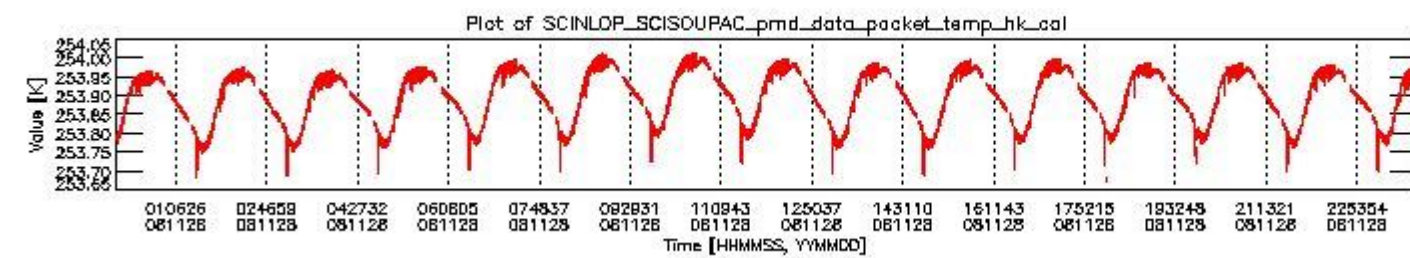
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081128_0.PNG



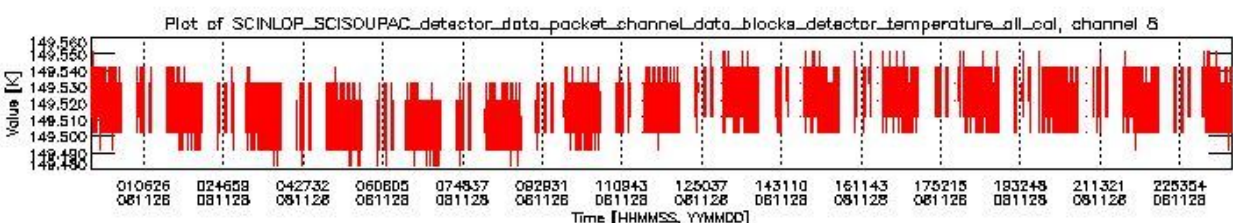
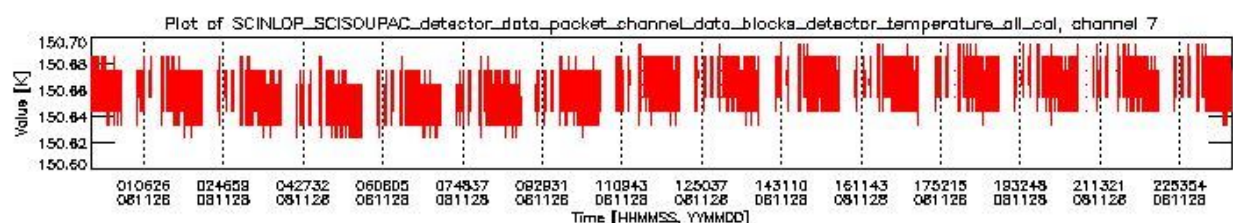
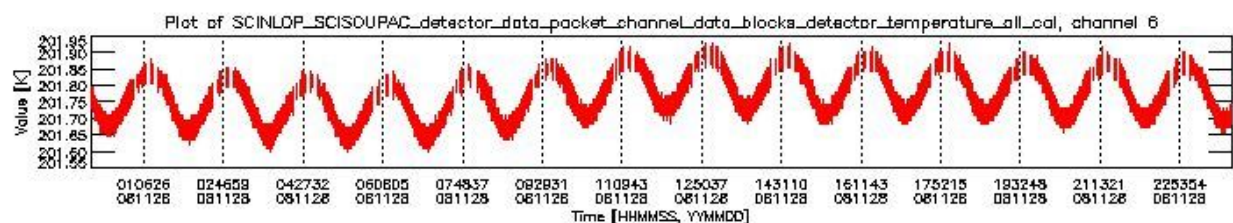
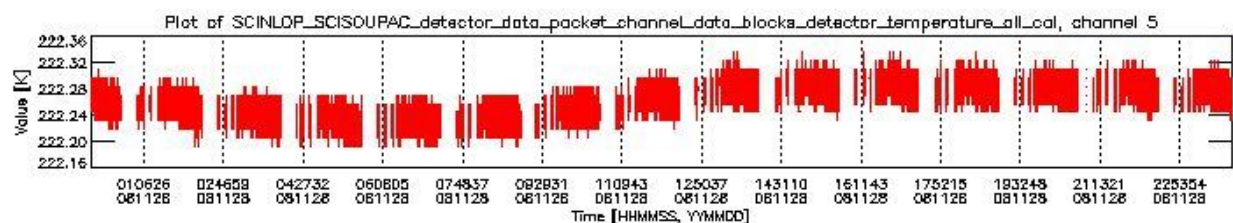
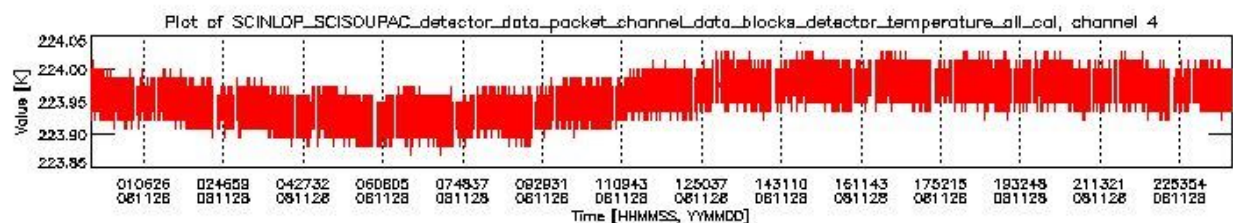
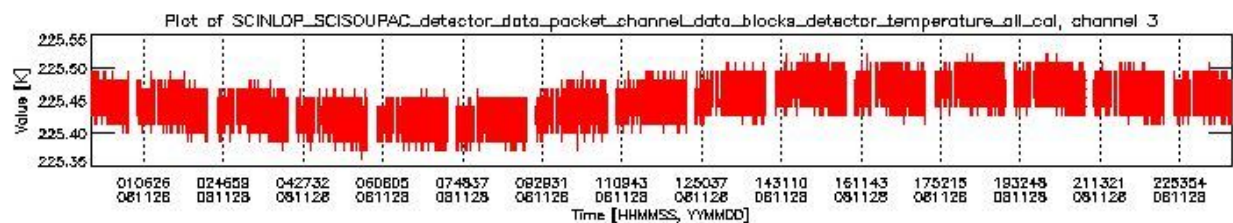
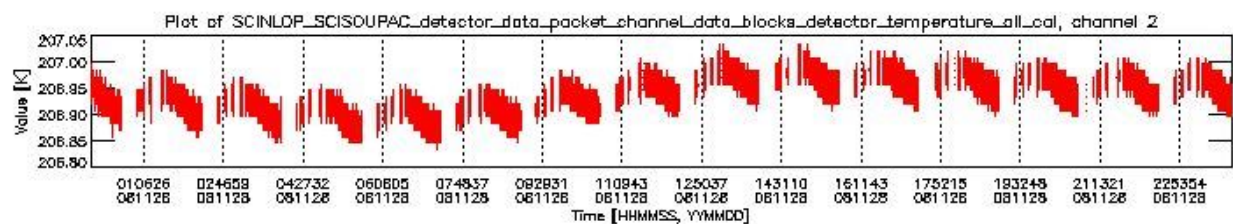
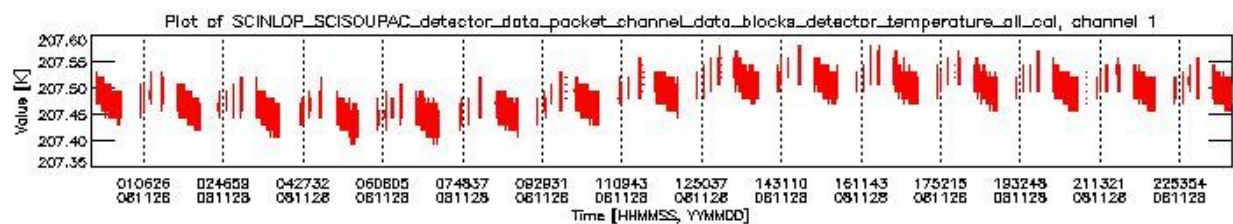
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081128_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081128_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081128_3.PNG

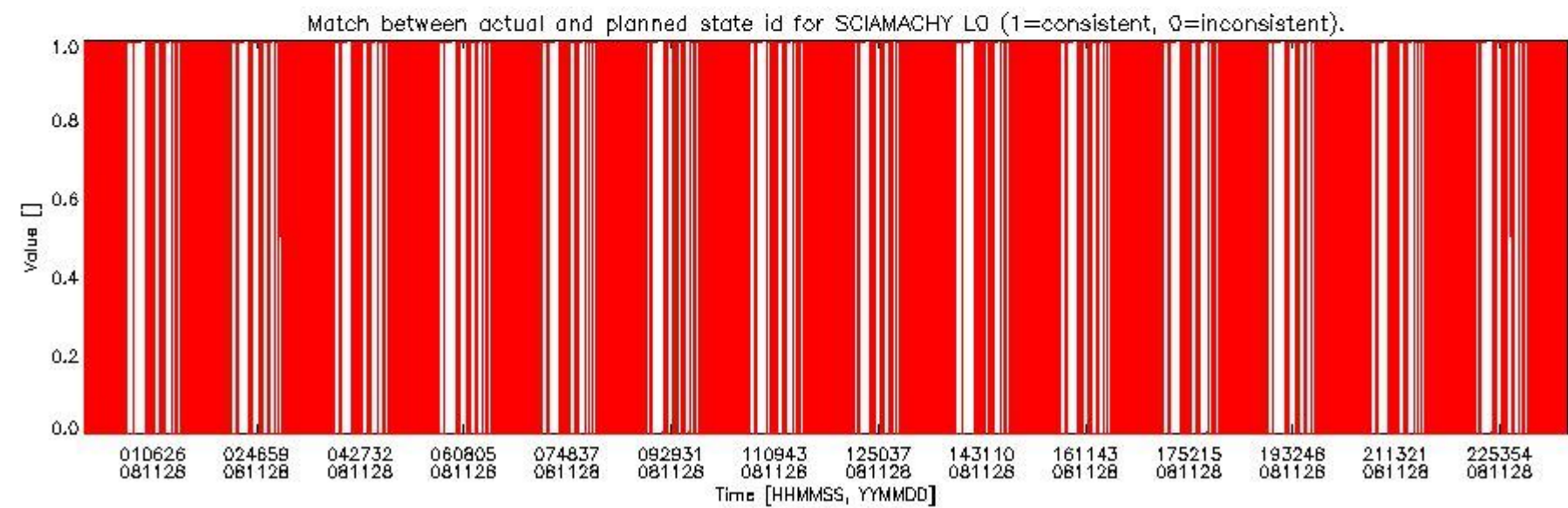
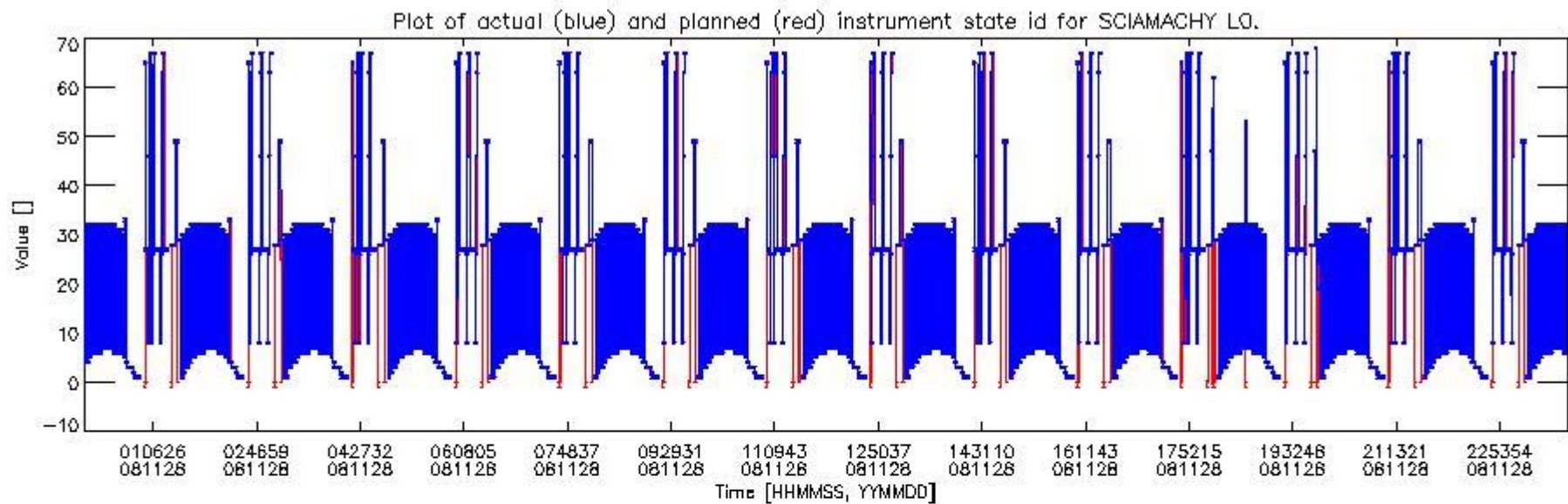


0.3 State monitoring

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: **52224**

#	Actual time	Actual value	Planned time	Planned value
0	28NOV2008 00:00:30.730230	4	28NOV2008 00:00:30.730230	31
1	28NOV2008 00:00:30.980238	4	28NOV2008 00:00:30.980238	31
2	28NOV2008 00:00:31.105202	4	28NOV2008 00:00:31.105202	31
3	28NOV2008 00:00:31.230207	4	28NOV2008 00:00:31.230207	31
4	28NOV2008 00:00:31.355211	4	28NOV2008 00:00:31.355211	31
5	28NOV2008 00:00:31.480215	4	28NOV2008 00:00:31.480215	31
6	28NOV2008 00:00:31.605220	4	28NOV2008 00:00:31.605220	31
7	28NOV2008 00:00:31.730224	4	28NOV2008 00:00:31.730224	31
8	28NOV2008 00:00:31.855229	4	28NOV2008 00:00:31.855229	31
9	28NOV2008 00:00:31.980233	4	28NOV2008 00:00:31.980233	31
10	28NOV2008 00:00:32.105237	4	28NOV2008 00:00:32.105237	31
11	28NOV2008 00:00:32.230201	4	28NOV2008 00:00:32.230201	31
12	28NOV2008 00:00:32.355206	4	28NOV2008 00:00:32.355206	31
13	28NOV2008 00:00:32.480210	4	28NOV2008 00:00:32.480210	31
14	28NOV2008 00:00:32.605214	4	28NOV2008 00:00:32.605214	31
15	28NOV2008 00:00:32.730219	4	28NOV2008 00:00:32.730219	31
16	28NOV2008 00:00:32.855223	4	28NOV2008 00:00:32.855223	31
17	28NOV2008 00:00:32.980227	4	28NOV2008 00:00:32.980227	31
18	28NOV2008 00:00:33.105232	4	28NOV2008 00:00:33.105232	31
19	28NOV2008 00:00:33.230236	4	28NOV2008 00:00:33.230236	31
...

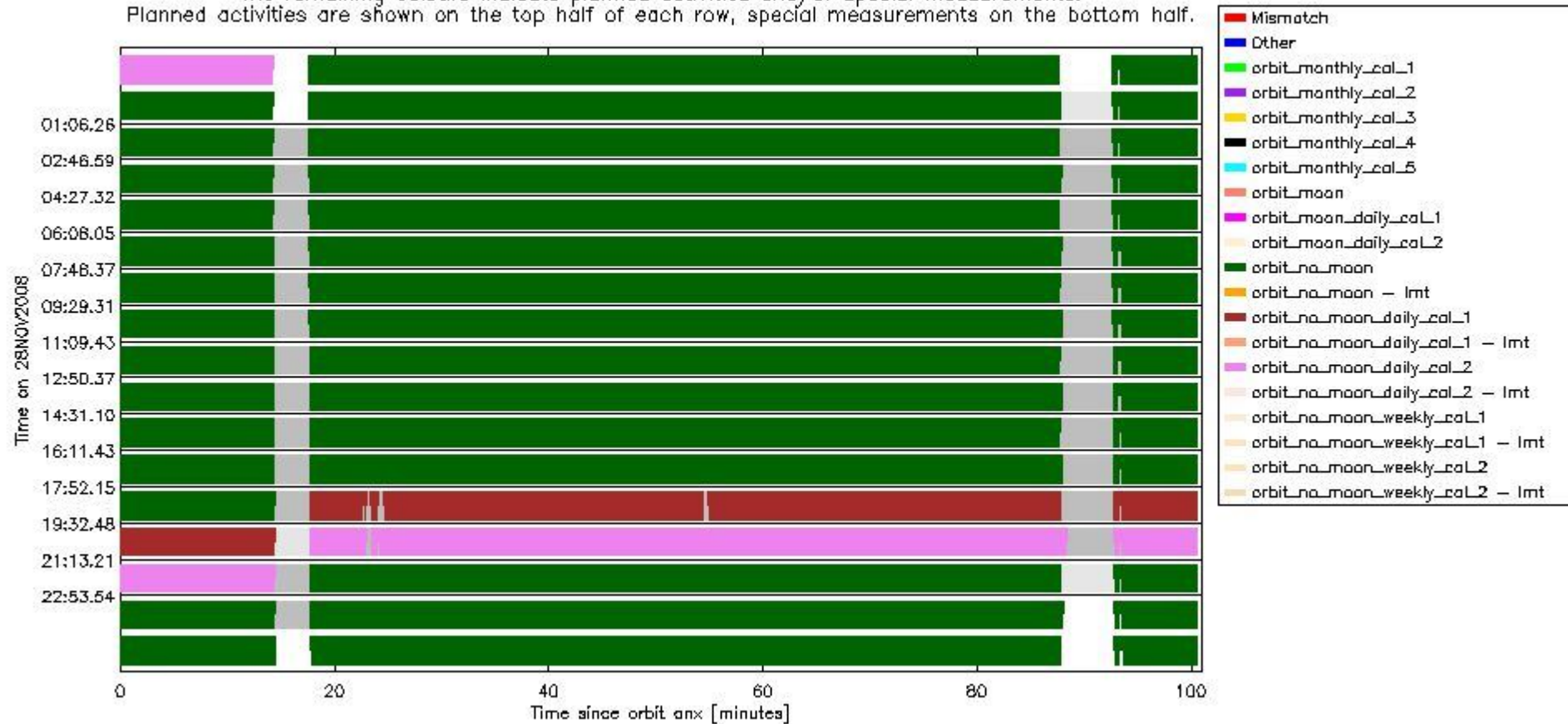


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081128_5.PNG

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 28NOV2008.
 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_20081128_6.PNG

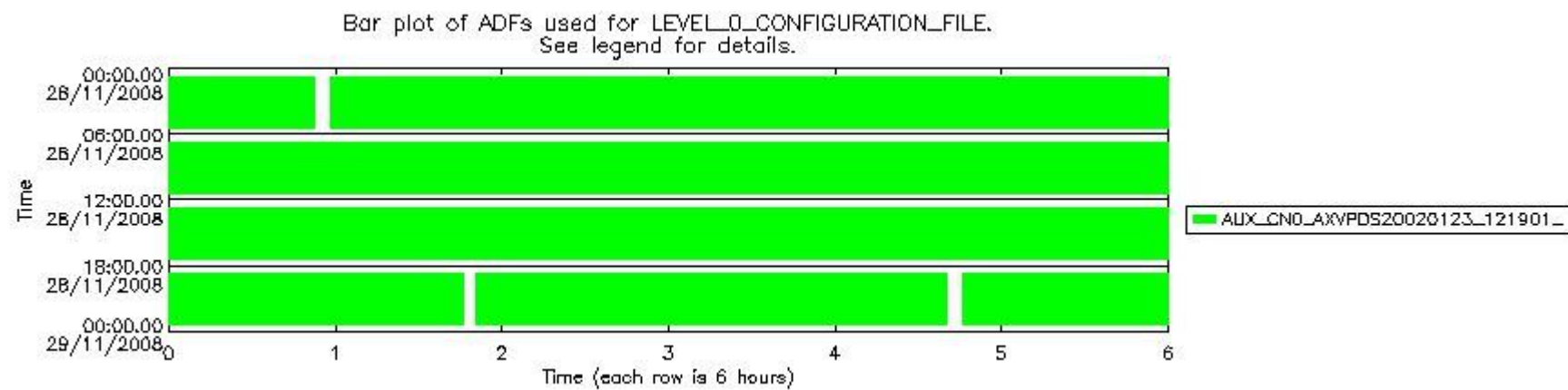
0.4 ADF monitoring

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

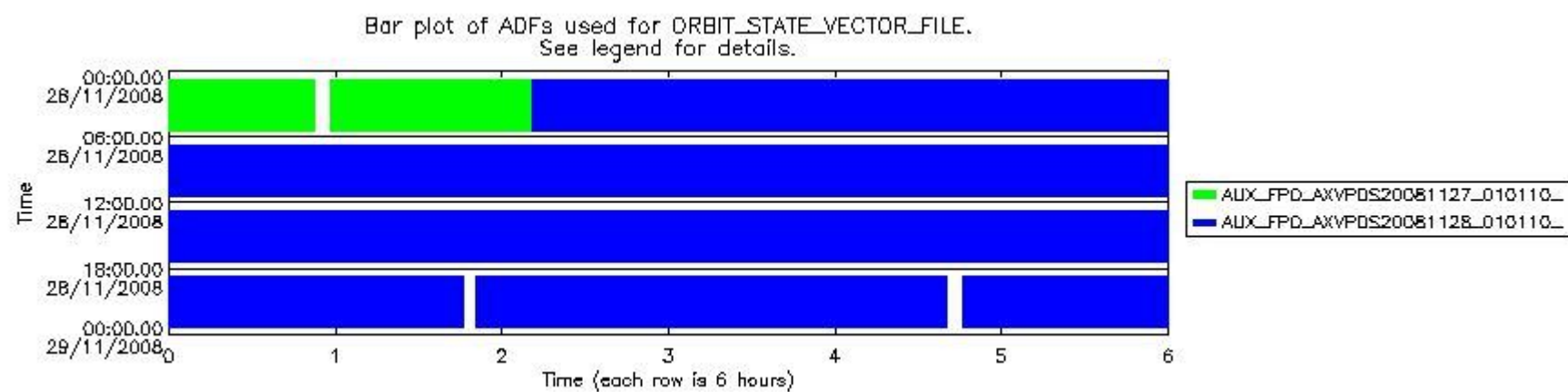
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

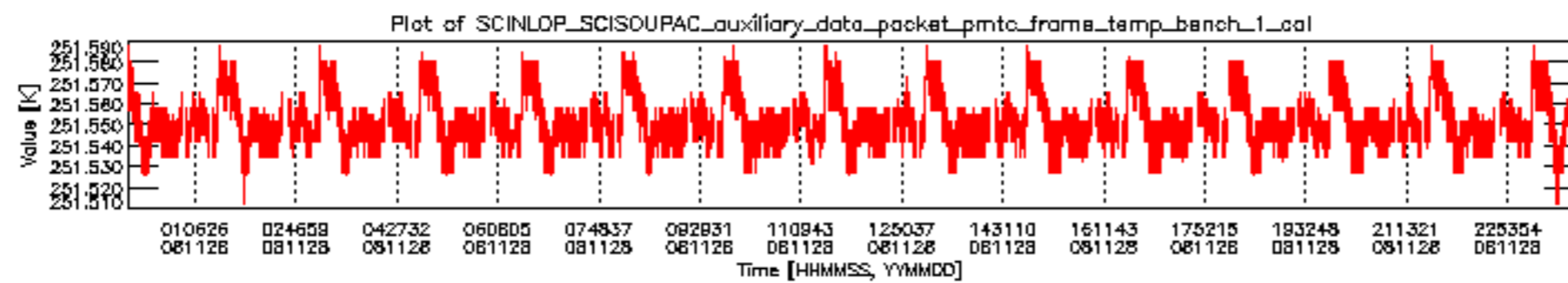
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081127_010110_20081126_185531_20081206_202145
2	AUX_FPO_AXVPDS20081128_010110_20081127_182354_20081207_213044

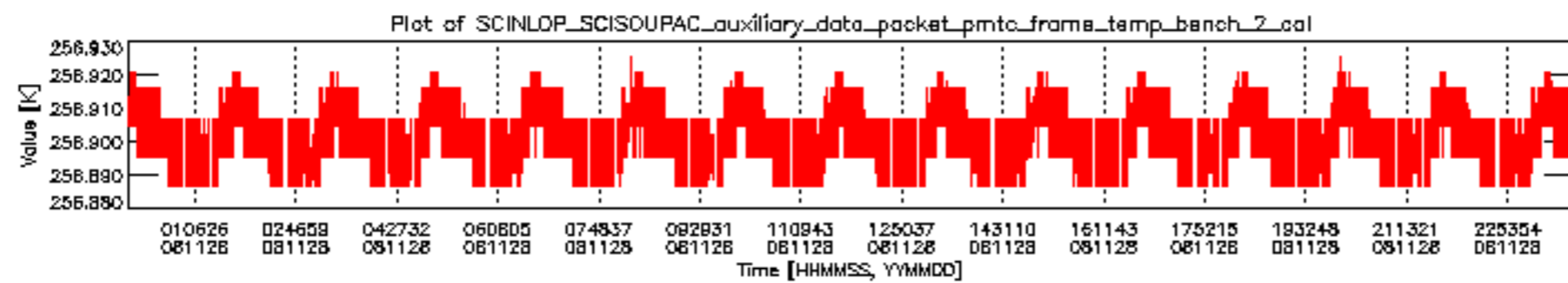


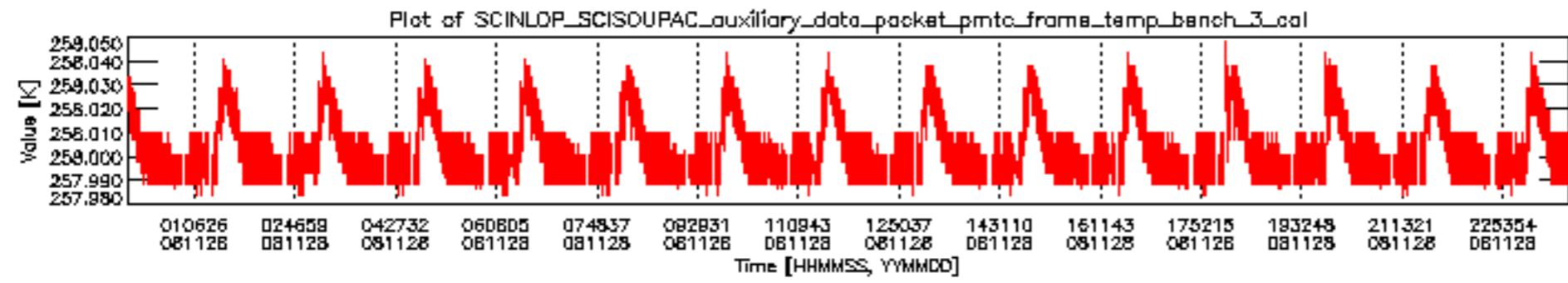
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081128_7.PNG

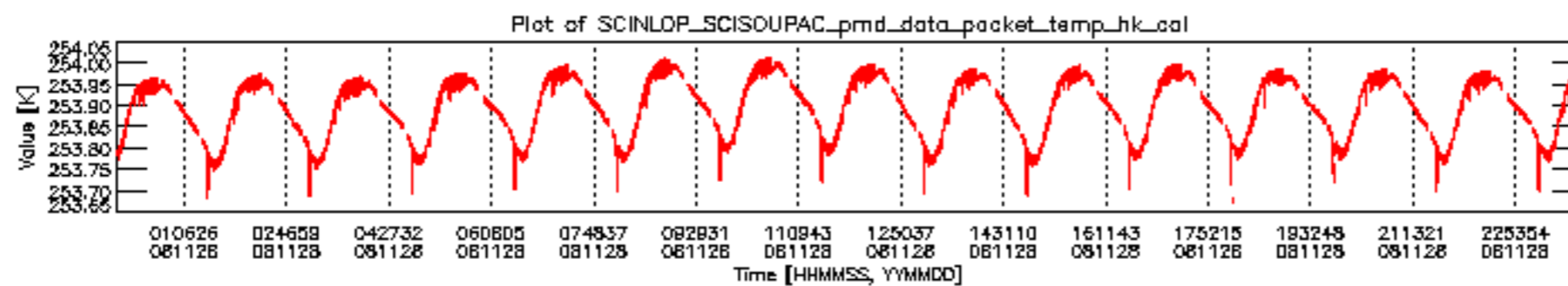


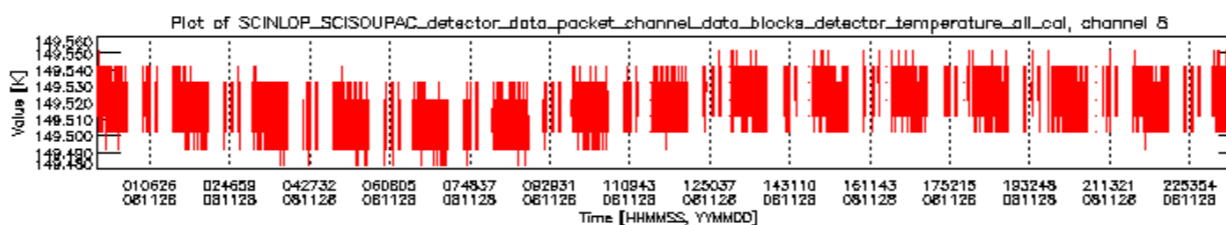
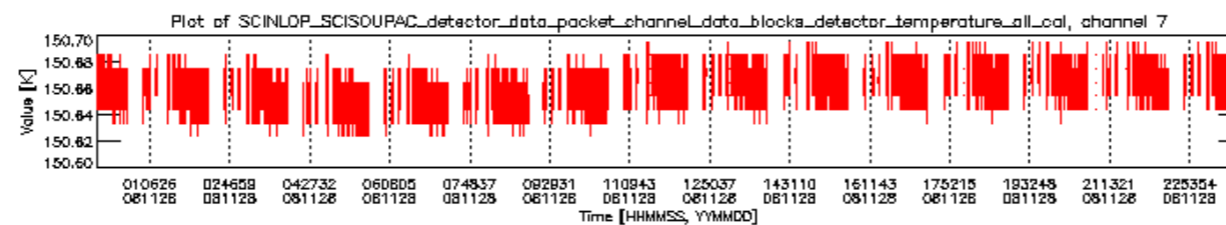
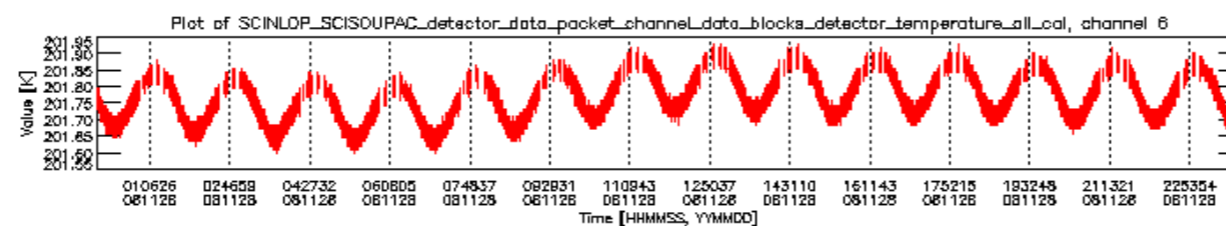
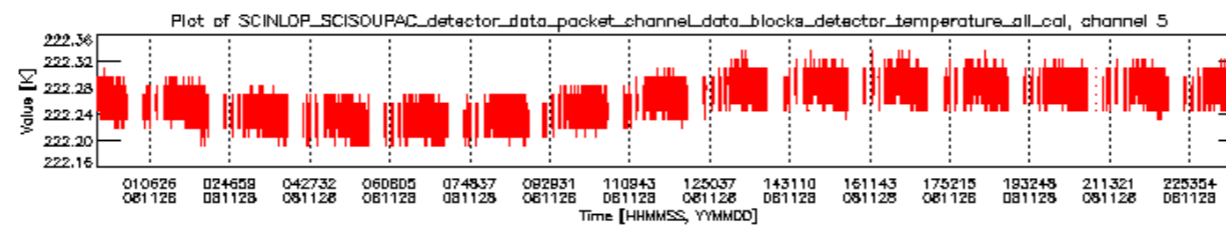
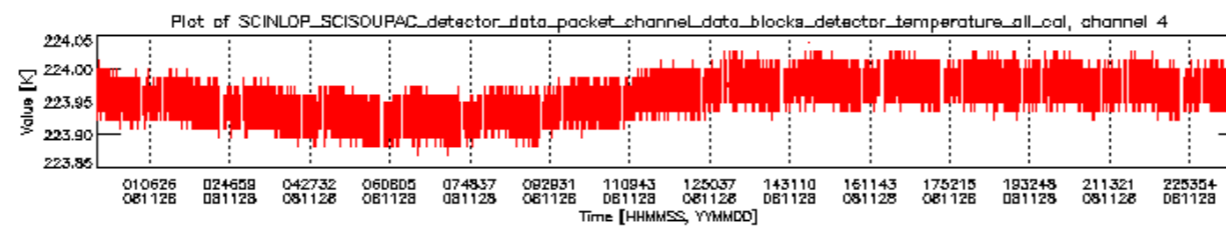
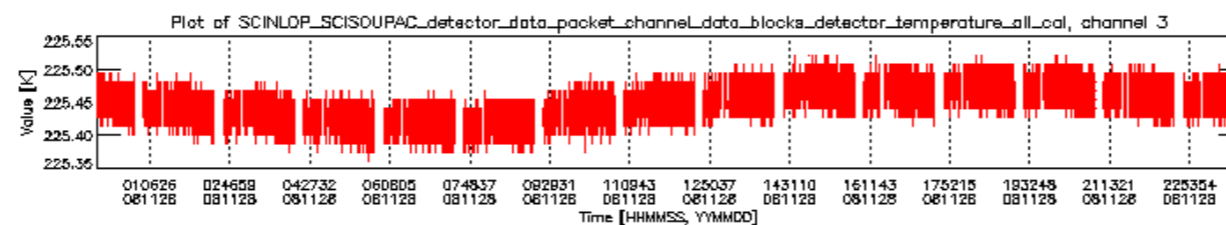
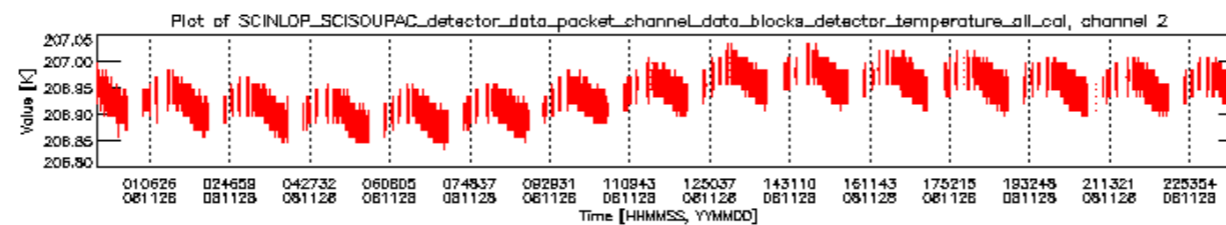
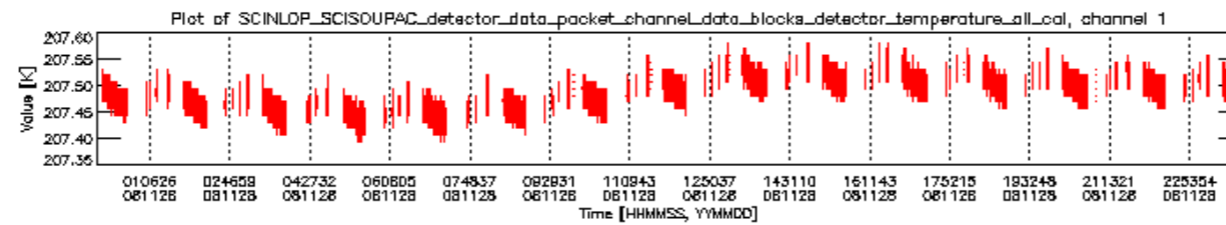
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081128_8.PNG

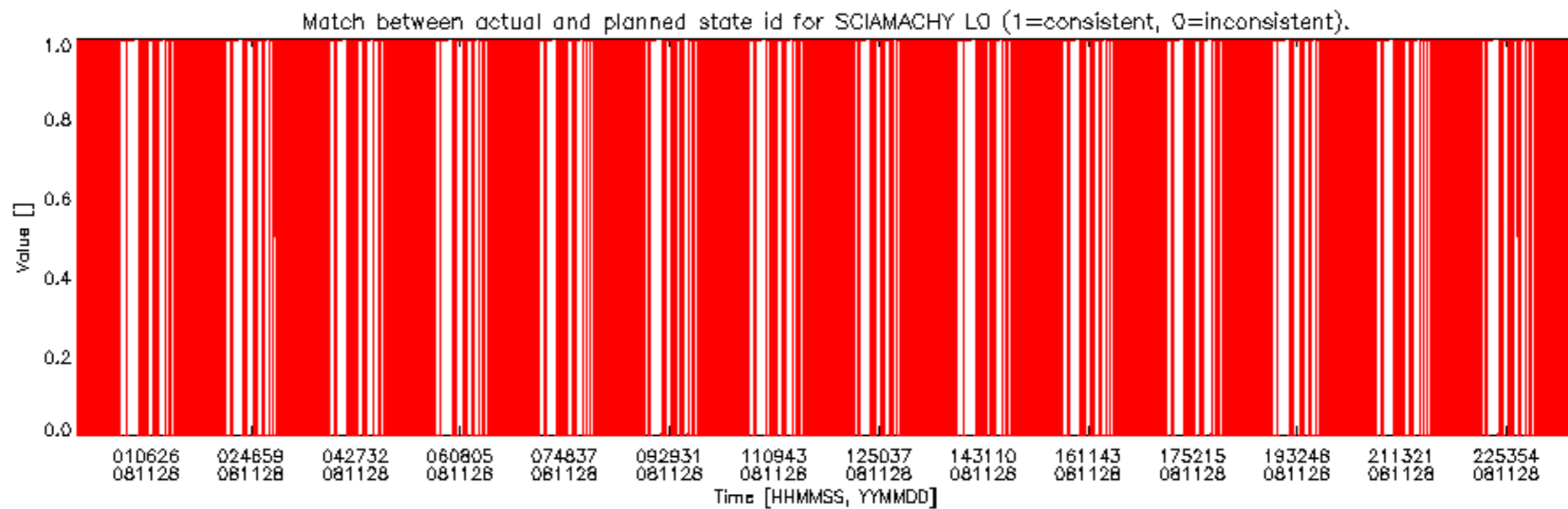
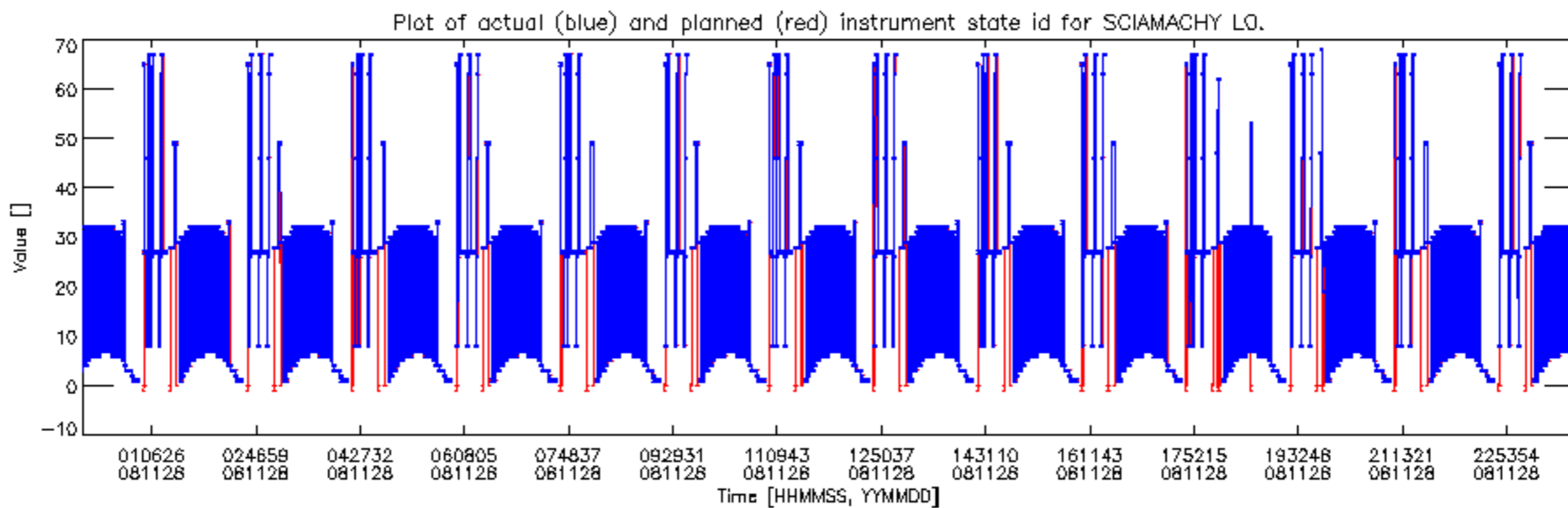












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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