

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	18DEC2008 08:27:20
Data source version	KSPT_L0/4303-N
Processing scope for products	12DEC2008 00:00:00 to 13DEC2008 00:00:00
Start time of first product within scope	11DEC2008 22:38:20
Stop time of last product within scope	13DEC2008 01:21:43
Total number of level 0 products	17
Number of level 0 products with errors	0

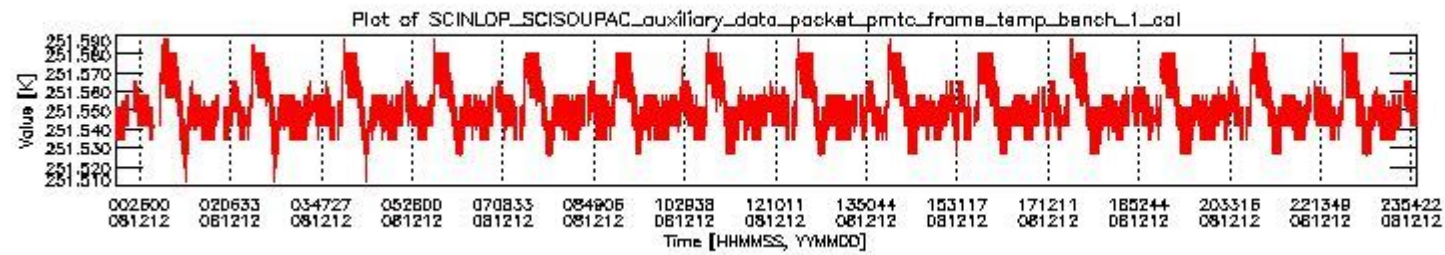
0.1.2 Summary per product

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

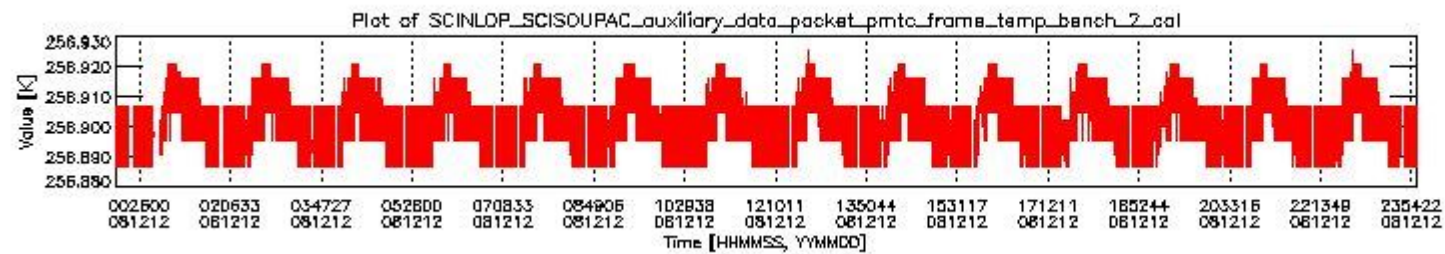
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081211_223820_000056122074_00344_35468_8077.N1	11DEC2008 22:38:20	12DEC2008 00:11:52	0	0	0	0	0
1	SCI_NL__OPNPDE20081212_001856_000055872074_00345_35469_8078.N1	12DEC2008 00:18:56	12DEC2008 01:52:03	0	0	0	0	0
2	SCI_NL__OPNPDE20081212_015054_000048052074_00346_35470_8079.N1	12DEC2008 01:50:54	12DEC2008 03:10:59	0	0	0	0	0
3	SCI_NL__OPNPDE20081212_031059_000057872074_00347_35471_8080.N1	12DEC2008 03:10:59	12DEC2008 04:47:26	0	0	0	0	0
4	SCI_NL__OPNPDE20081212_044617_000061612074_00348_35472_8081.N1	12DEC2008 04:46:17	12DEC2008 06:28:58	0	0	0	0	0
5	SCI_NL__OPNPDK20081212_062858_000040452074_00349_35473_0166.N1	12DEC2008 06:28:58	12DEC2008 07:36:23	0	0	0	0	0
6	SCI_NL__OPNPDK20081212_073527_000062162074_00350_35474_0167.N1	12DEC2008 07:35:27	12DEC2008 09:19:03	0	0	0	0	0
7	SCI_NL__OPNPDK20081212_091659_000059242074_00351_35475_0168.N1	12DEC2008 09:16:59	12DEC2008 10:55:43	0	0	0	0	0
8	SCI_NL__OPNPDK20081212_105351_000062042074_00352_35476_0169.N1	12DEC2008 10:53:51	12DEC2008 12:37:15	0	0	0	0	0
9	SCI_NL__OPNPDK20081212_123619_000057862074_00353_35477_0170.N1	12DEC2008 12:36:19	12DEC2008 14:12:45	0	0	0	0	0
10	SCI_NL__OPNPDK20081212_141245_000060362074_00354_35478_0171.N1	12DEC2008 14:12:45	12DEC2008 15:53:21	0	0	0	0	0
11	SCI_NL__OPNPDK20081212_155321_000058122074_00355_35479_0172.N1	12DEC2008 15:53:21	12DEC2008 17:30:13	0	0	0	0	0
12	SCI_NL__OPNPDK20081212_173013_000058042074_00356_35480_0173.N1	12DEC2008 17:30:13	12DEC2008 19:06:57	0	0	0	0	0
13	SCI_NL__OPNPDK20081212_191049_000057642074_00357_35481_0174.N1	12DEC2008 19:10:49	12DEC2008 20:46:53	0	0	0	0	0
14	SCI_NL__OPNPDE20081212_204653_000044182074_00358_35482_8082.N1	12DEC2008 20:46:53	12DEC2008 22:00:31	0	0	0	0	0
15	SCI_NL__OPNPDE20081212_220031_000060232074_00358_35482_8083.N1	12DEC2008 22:00:31	12DEC2008 23:40:54	0	0	0	0	0
16	SCI_NL__OPNPDE20081212_234054_000060492074_00359_35483_8084.N1	12DEC2008 23:40:54	13DEC2008 01:21:43	0	0	0	0	0

0.2 Product Quality Indicators

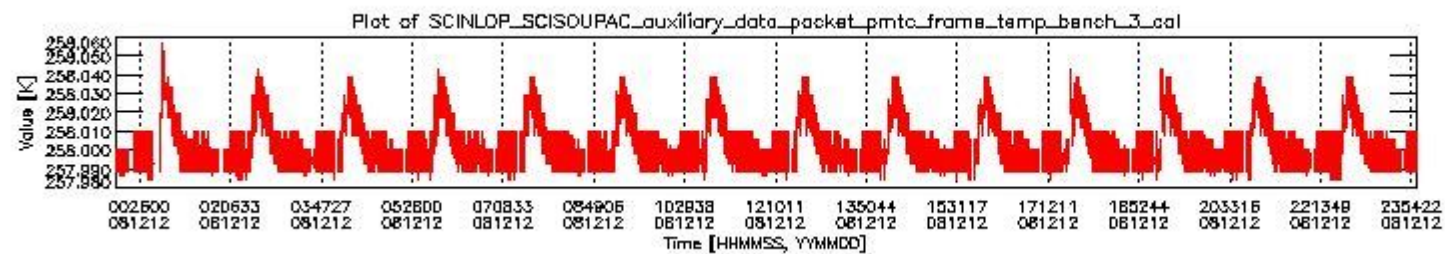
This section shows information about product quality, currently temperatures.



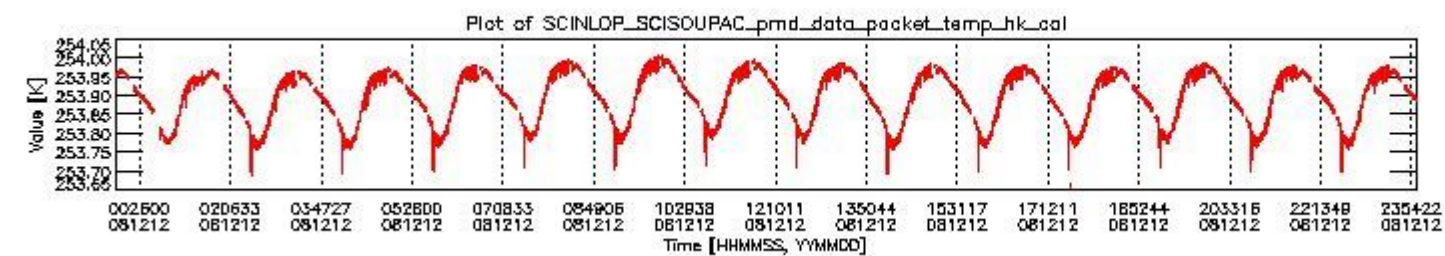
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081212_0.PNG



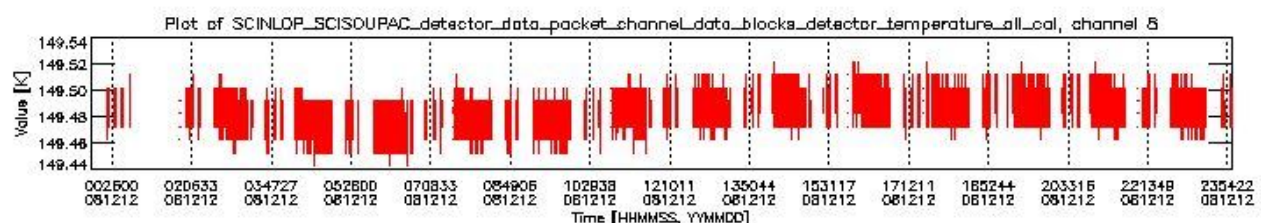
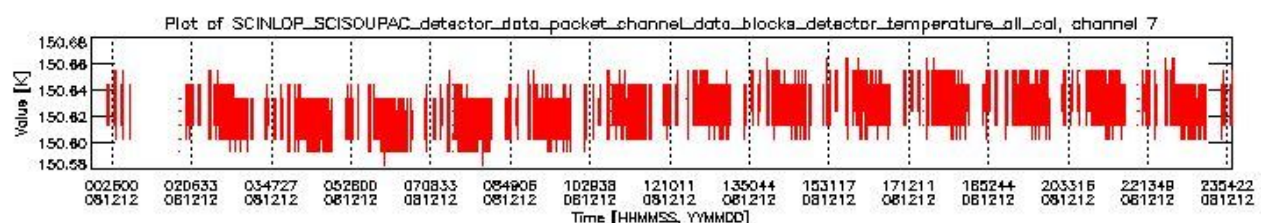
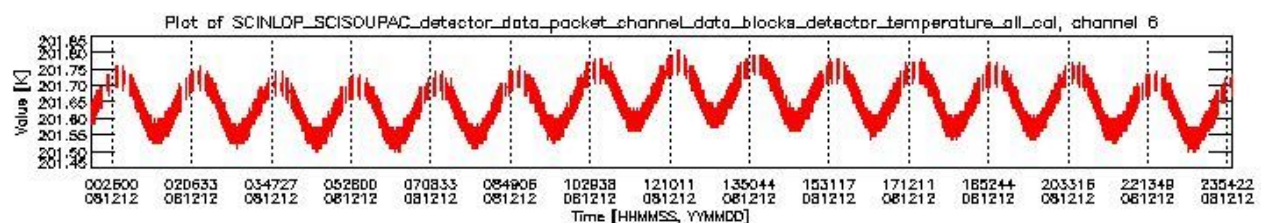
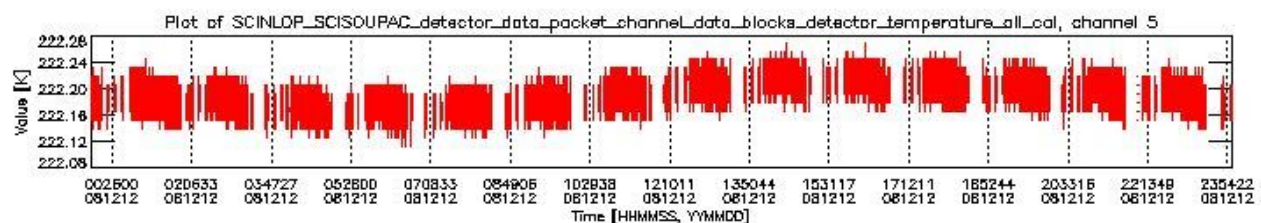
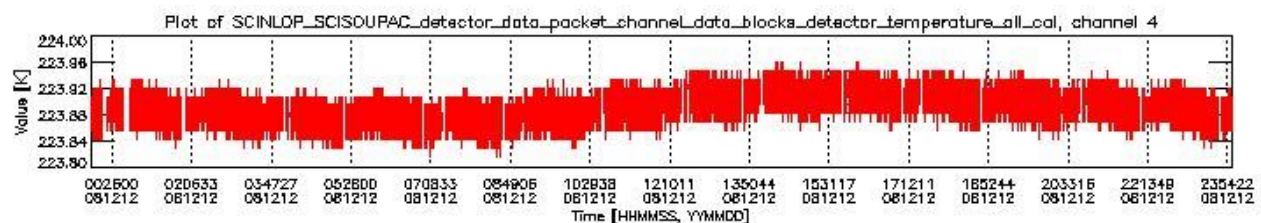
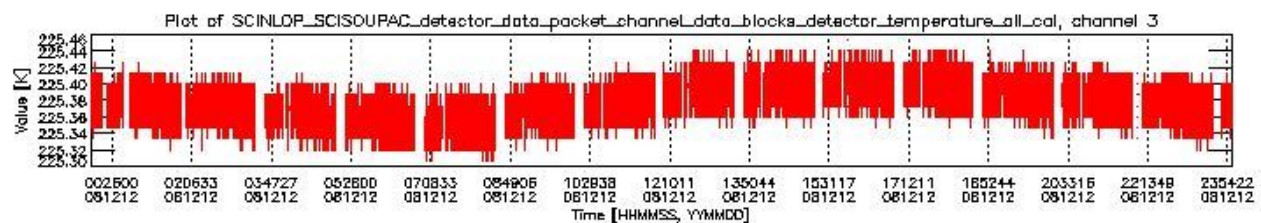
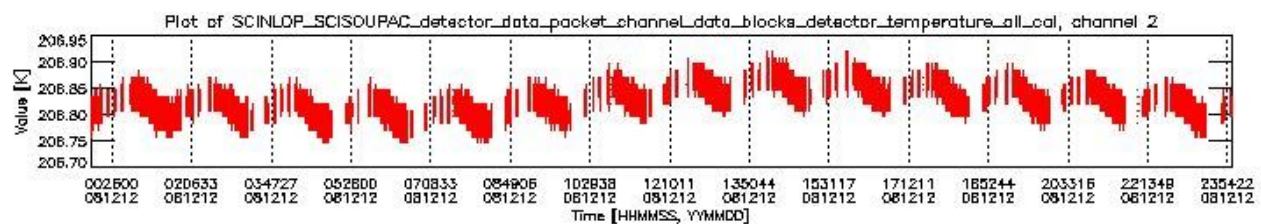
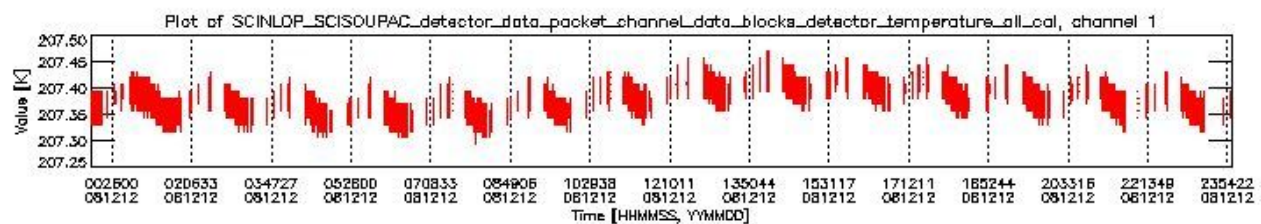
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081212_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081212_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081212_3.PNG

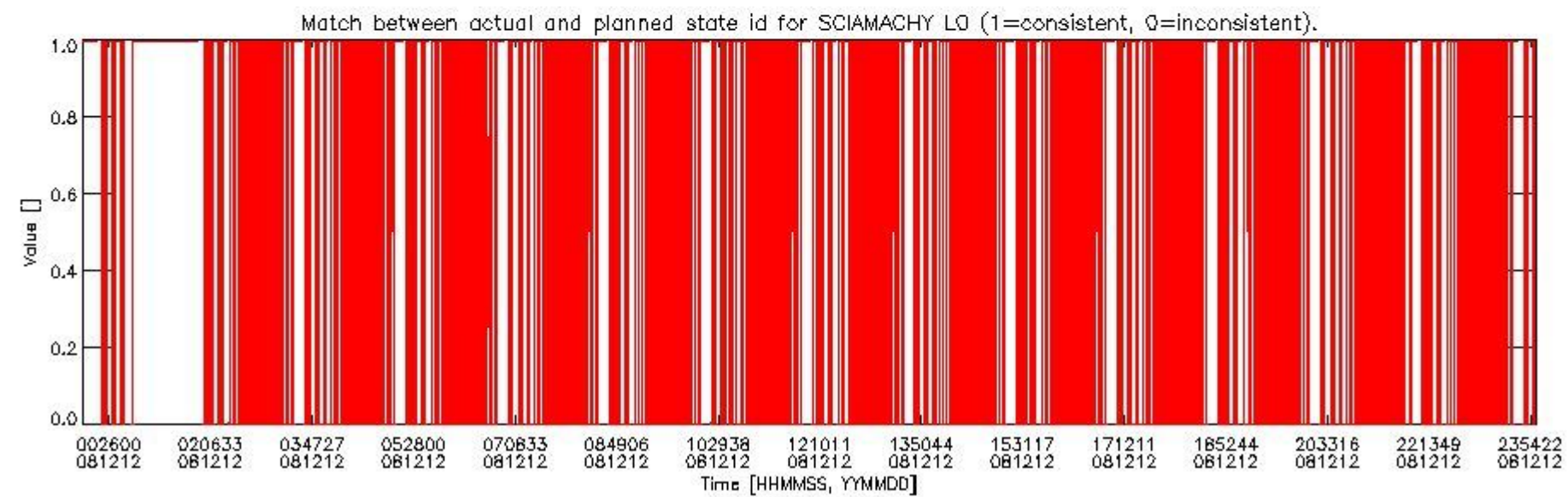
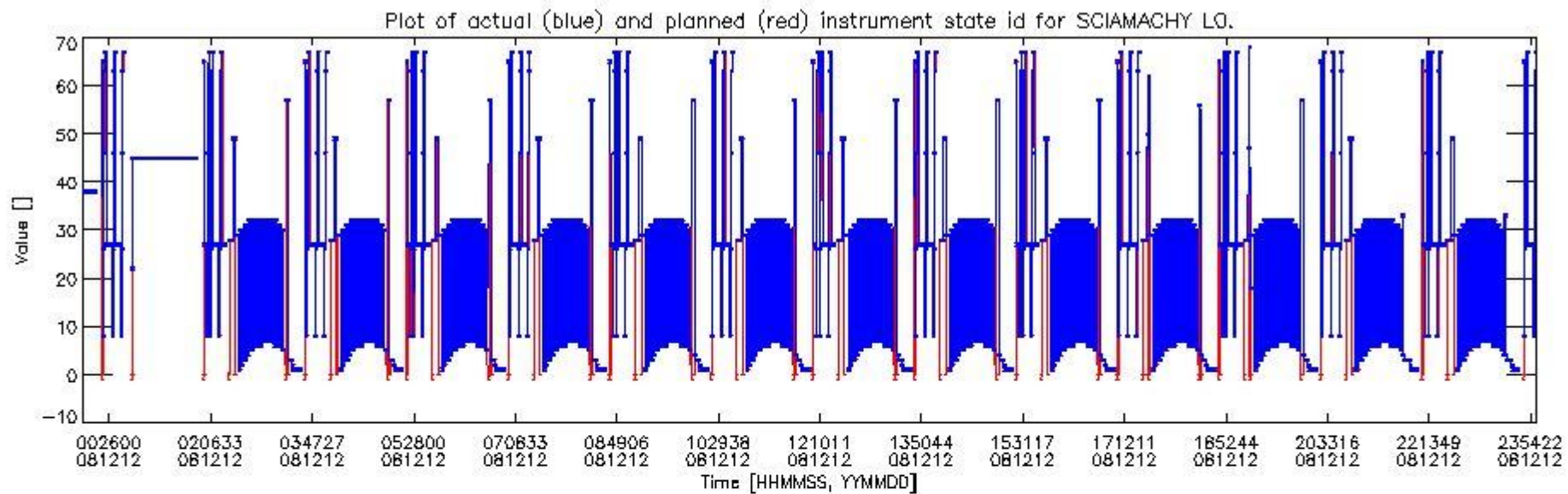


0.3 State monitoring

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: **43799**

#	Actual time	Actual value	Planned time	Planned value
0	12DEC2008 00:18:56.132482	65	12DEC2008 00:18:56.132482	0
1	12DEC2008 00:18:56.757503	65	12DEC2008 00:18:56.757503	0
2	12DEC2008 00:18:57.257481	65	12DEC2008 00:18:57.257481	0
3	12DEC2008 00:18:57.757498	65	12DEC2008 00:18:57.757498	0
4	12DEC2008 00:18:58.257515	65	12DEC2008 00:18:58.257515	0
5	12DEC2008 00:18:58.757493	65	12DEC2008 00:18:58.757493	0
6	12DEC2008 00:18:59.257510	65	12DEC2008 00:18:59.257510	0
7	12DEC2008 00:18:59.757487	65	12DEC2008 00:18:59.757487	0
8	12DEC2008 00:19:00.257505	65	12DEC2008 00:19:00.257505	0
9	12DEC2008 00:19:00.757482	65	12DEC2008 00:19:00.757482	0
10	12DEC2008 00:19:01.132495	65	12DEC2008 00:19:01.132495	0
11	12DEC2008 00:19:01.257499	65	12DEC2008 00:19:01.257499	0
12	12DEC2008 00:19:01.757517	65	12DEC2008 00:19:01.757517	0
13	12DEC2008 00:19:02.257494	65	12DEC2008 00:19:02.257494	0
14	12DEC2008 00:19:02.757511	65	12DEC2008 00:19:02.757511	0
15	12DEC2008 00:19:03.257488	65	12DEC2008 00:19:03.257488	0
16	12DEC2008 00:19:03.757506	65	12DEC2008 00:19:03.757506	0
17	12DEC2008 00:19:04.257483	65	12DEC2008 00:19:04.257483	0
18	12DEC2008 00:19:39.890321	8	12DEC2008 00:19:39.890321	0
19	12DEC2008 00:19:41.015320	8	12DEC2008 00:19:41.015320	0

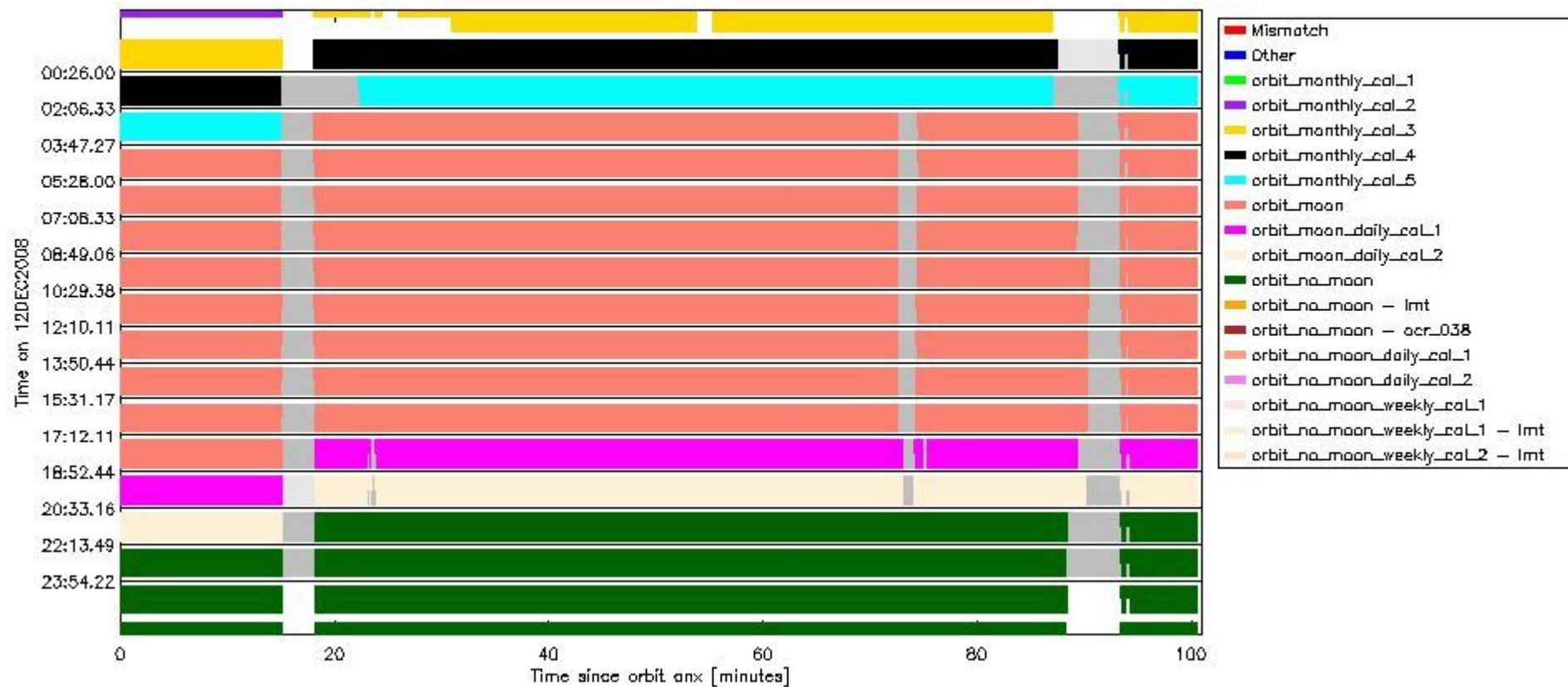


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081212_5.PNG

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 12DEC2008.
 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_20081212_6.PNG

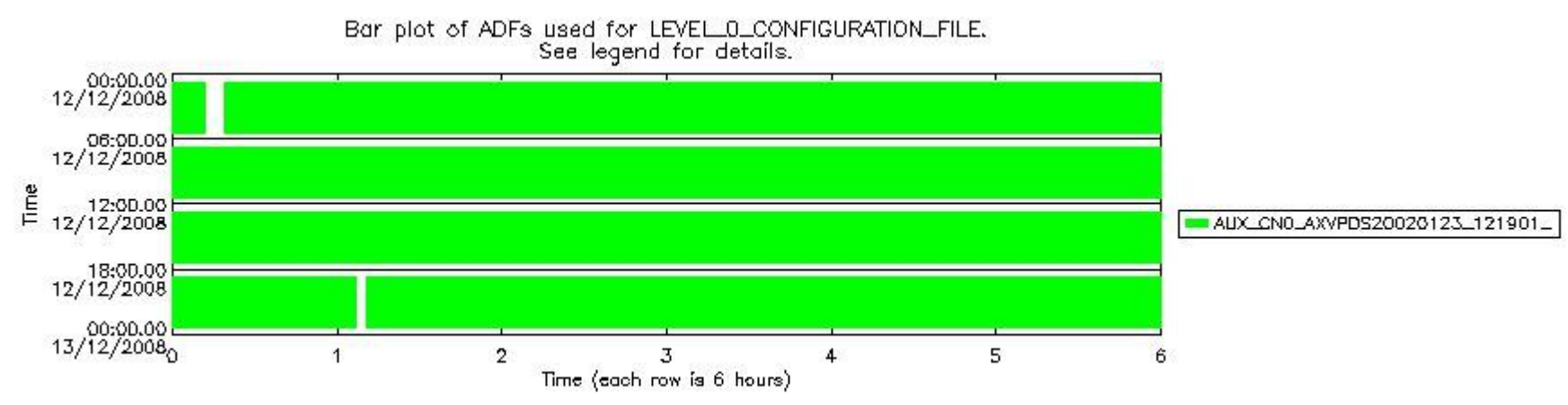
0.4 ADF monitoring

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

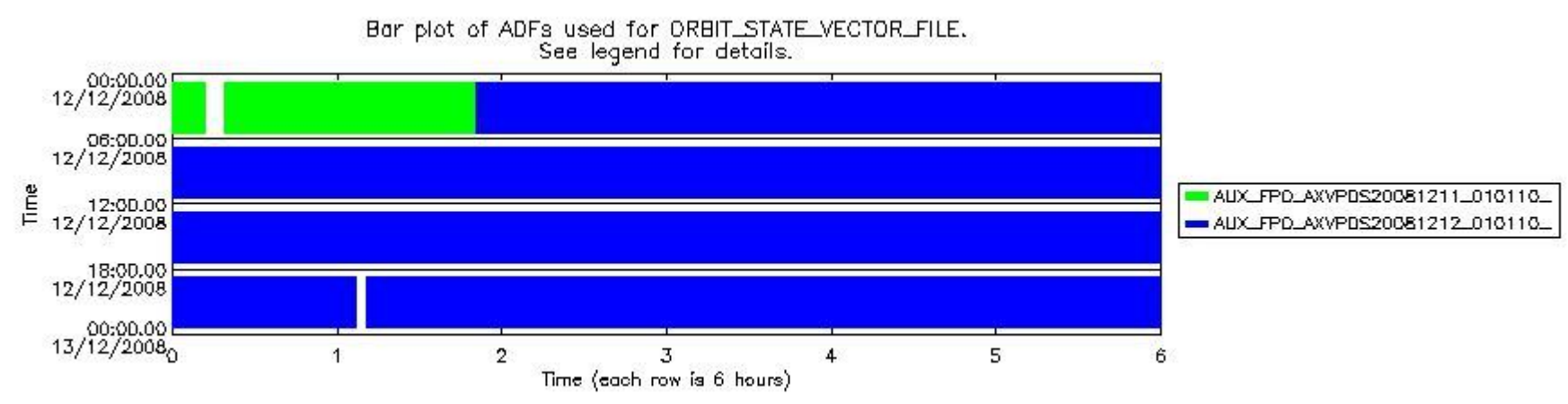
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

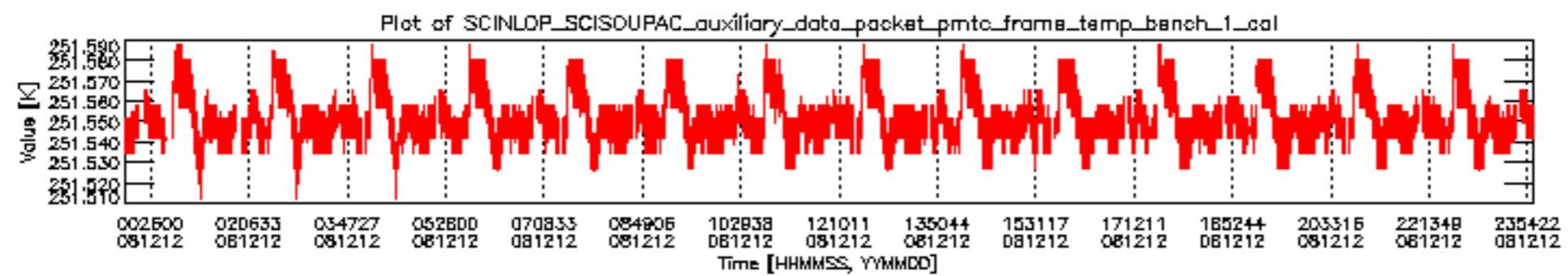
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081211_010110_20081210_195553_20081220_212207
2	AUX_FPO_AXVPDS20081212_010110_20081211_192416_20081221_205030

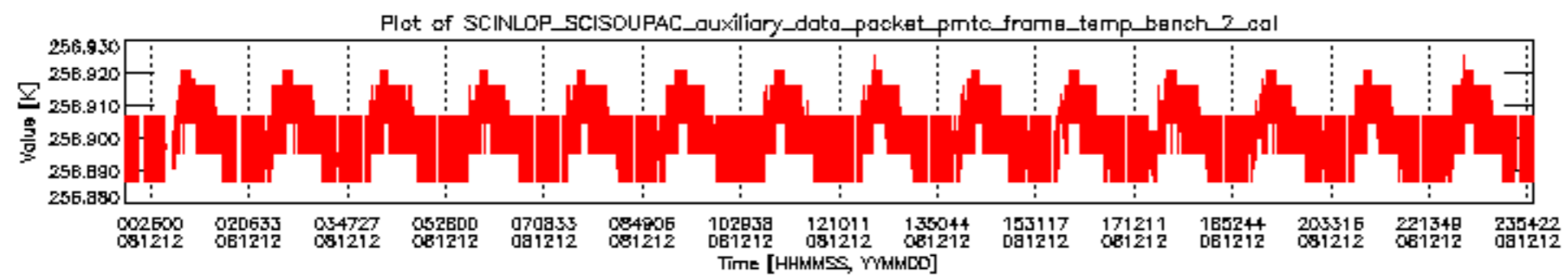


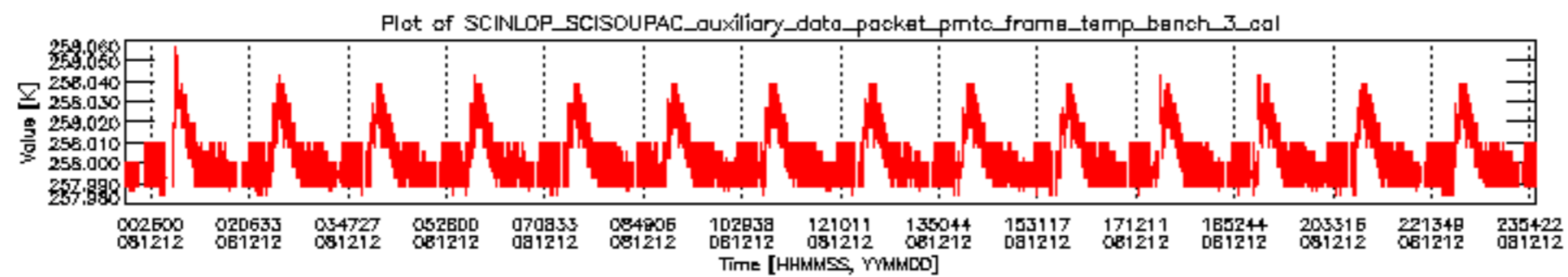
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081212_7.PNG

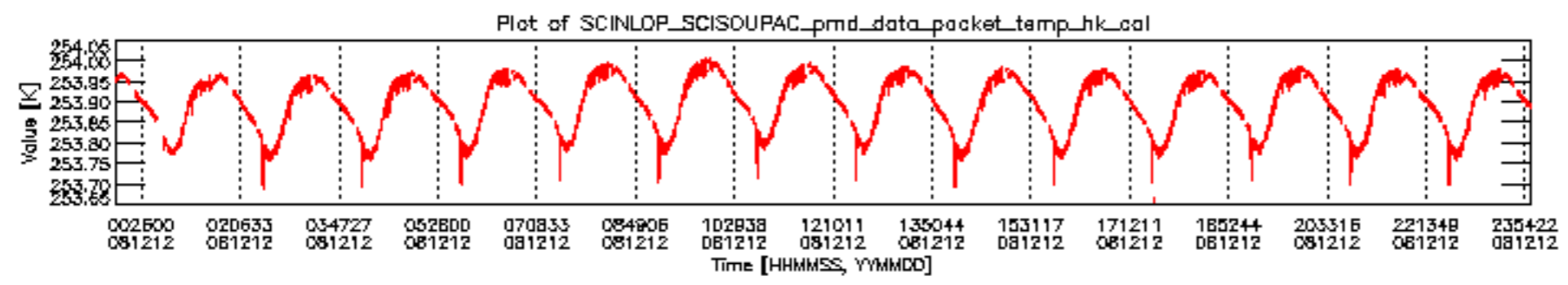


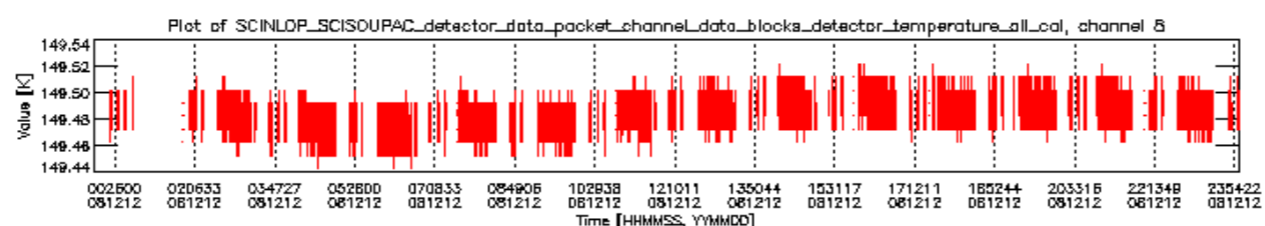
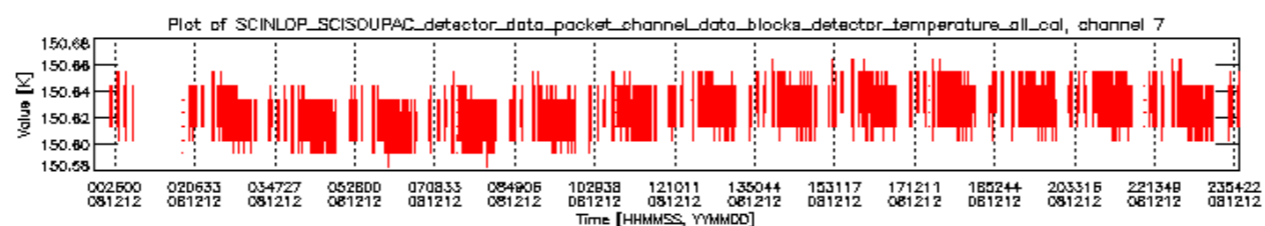
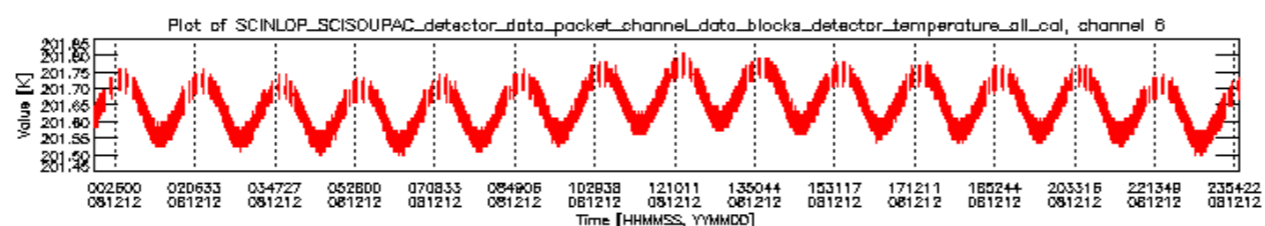
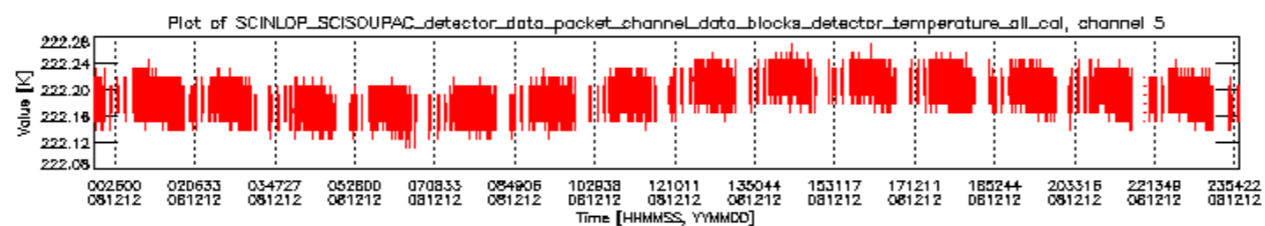
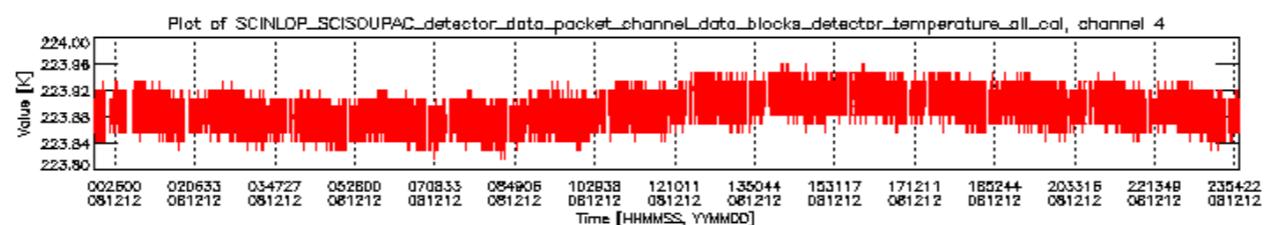
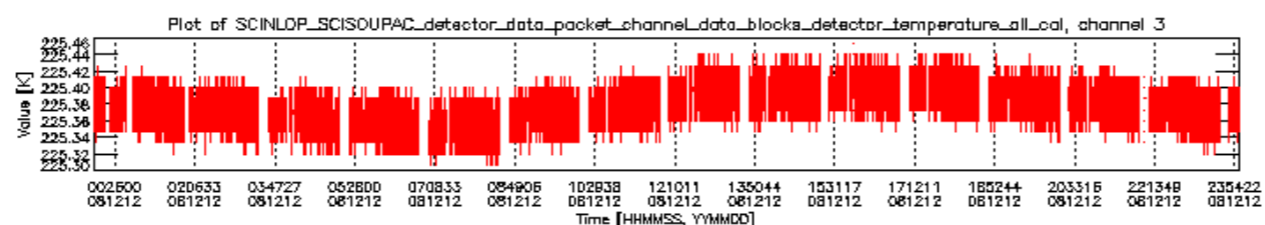
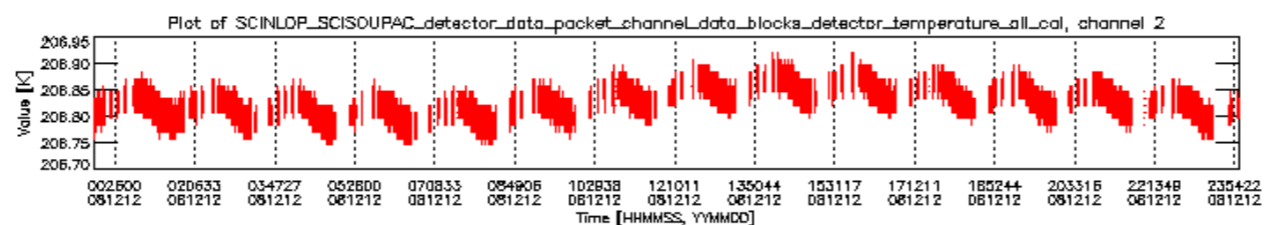
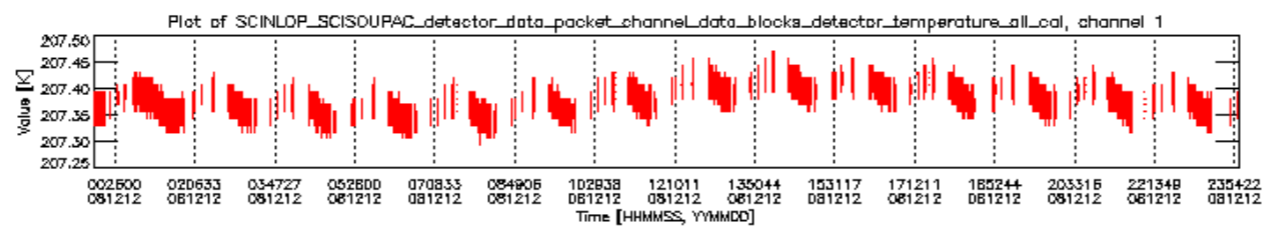
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081212_8.PNG

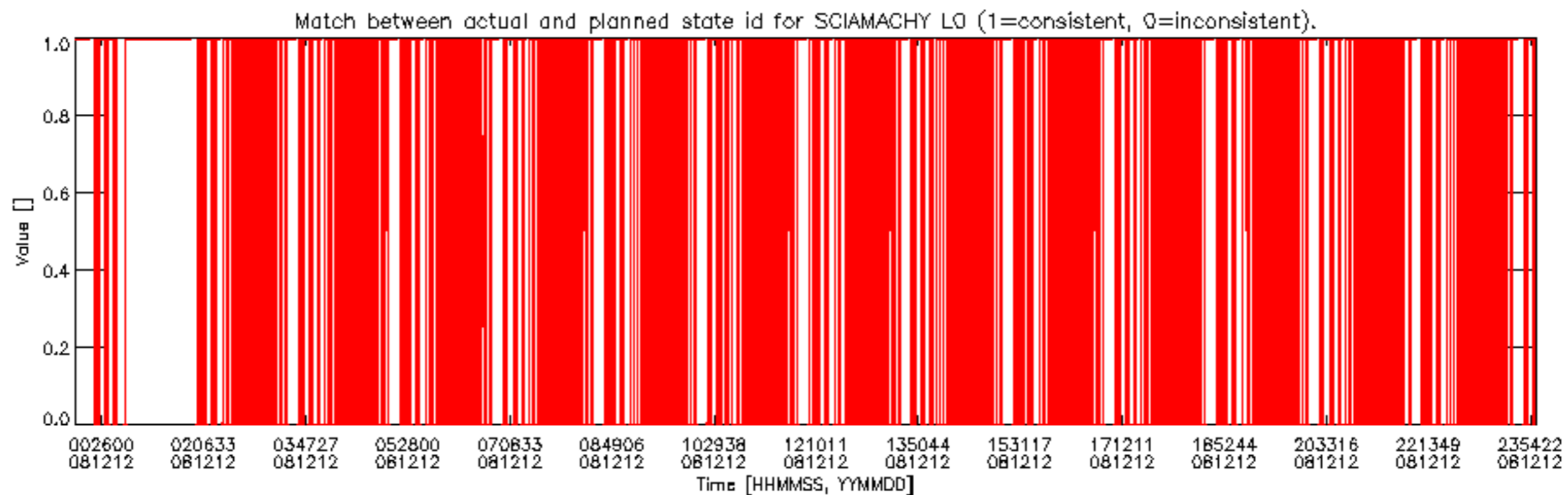
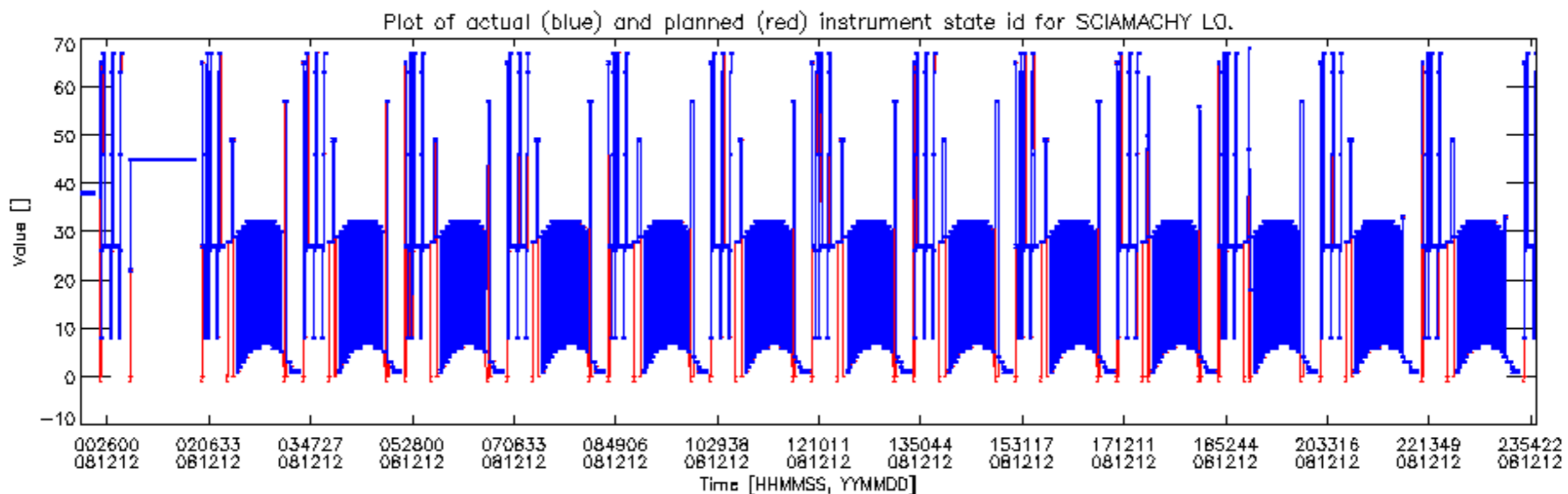












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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