

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	08DEC2008 03:51:52
Data source version	KSPT_L0/4303-N
Processing scope for products	04DEC2008 00:00:00 to 05DEC2008 00:00:00
Start time of first product within scope	03DEC2008 23:22:17
Stop time of last product within scope	05DEC2008 00:32:39
Total number of level 0 products	16
Number of level 0 products with errors	0

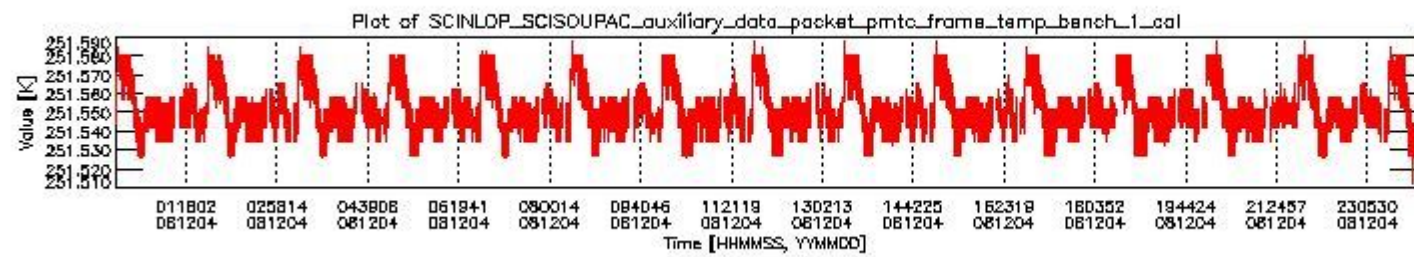
0.1.2 Summary per product

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

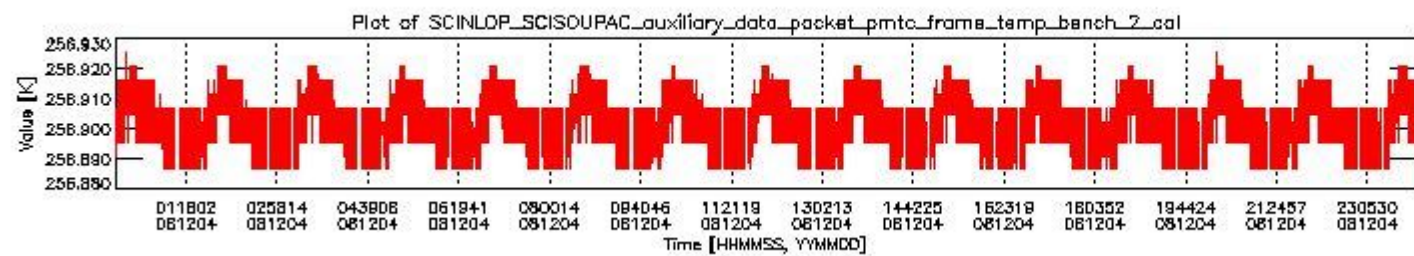
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081203_232217_000061172074_00230_35354_8021.N1	03DEC2008 23:22:17	04DEC2008 01:04:14	0	0	0	0	0
1	SCI_NL__OPNPDE20081204_010414_000047162074_00231_35355_8022.N1	04DEC2008 01:04:14	04DEC2008 02:22:50	0	0	0	0	0
2	SCI_NL__OPNPDE20081204_022250_000057312074_00232_35356_8023.N1	04DEC2008 02:22:50	04DEC2008 03:58:21	0	0	0	0	0
3	SCI_NL__OPNPDE20081204_035821_000061612074_00233_35357_8024.N1	04DEC2008 03:58:21	04DEC2008 05:41:02	0	0	0	0	0
4	SCI_NL__OPNPDE20081204_053953_000060492074_00234_35358_8025.N1	04DEC2008 05:39:53	04DEC2008 07:20:42	0	0	0	0	0
5	SCI_NL__OPNPDK20081204_072042_000041012074_00235_35359_0099.N1	04DEC2008 07:20:42	04DEC2008 08:29:03	0	0	0	0	0
6	SCI_NL__OPNPDK20081204_082755_000060492074_00236_35360_0100.N1	04DEC2008 08:27:55	04DEC2008 10:08:43	0	0	0	0	0
7	SCI_NL__OPNPDK20081204_100735_000060922074_00237_35361_0101.N1	04DEC2008 10:07:35	04DEC2008 11:49:07	0	0	0	0	0
8	SCI_NL__OPNPDK20081204_114811_000059242074_00238_35362_0102.N1	04DEC2008 11:48:11	04DEC2008 13:26:55	0	0	0	0	0
9	SCI_NL__OPNPDK20081204_132655_000058422074_00239_35363_0103.N1	04DEC2008 13:26:55	04DEC2008 15:04:17	0	0	0	0	0
10	SCI_NL__OPNPDK20081204_150417_000059792074_00240_35364_0104.N1	04DEC2008 15:04:17	04DEC2008 16:43:57	0	0	0	0	0
11	SCI_NL__OPNPDK20081204_164301_000059242074_00241_35365_0105.N1	04DEC2008 16:43:01	04DEC2008 18:21:45	0	0	0	0	0
12	SCI_NL__OPNPDK20081204_182145_000057552074_00242_35366_0106.N1	04DEC2008 18:21:45	04DEC2008 19:57:41	0	0	0	0	0
13	SCI_NL__OPNPDE20081204_200221_000039632074_00243_35367_8026.N1	04DEC2008 20:02:21	04DEC2008 21:08:24	0	0	0	0	0
14	SCI_NL__OPNPDE20081204_210715_000062752074_00243_35367_8027.N1	04DEC2008 21:07:15	04DEC2008 22:51:51	0	0	0	0	0
15	SCI_NL__OPNPDE20081204_225808_000056712074_00244_35368_8028.N1	04DEC2008 22:58:08	05DEC2008 00:32:39	0	0	0	0	0

0.2 Product Quality Indicators

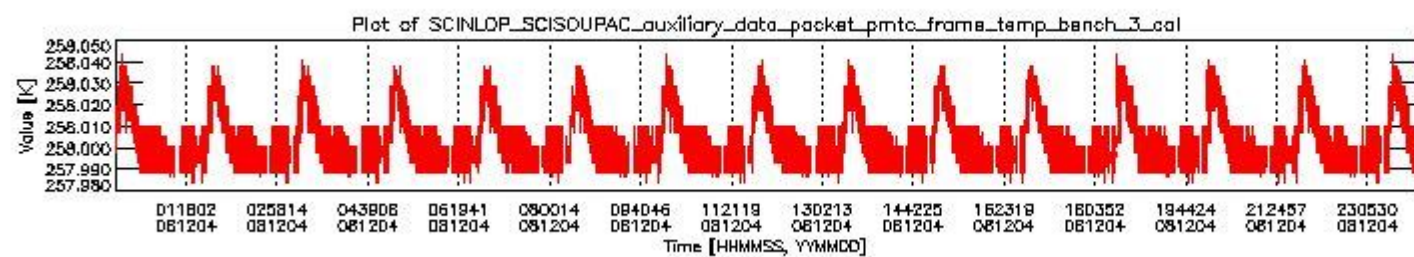
This section shows information about product quality, currently temperatures.



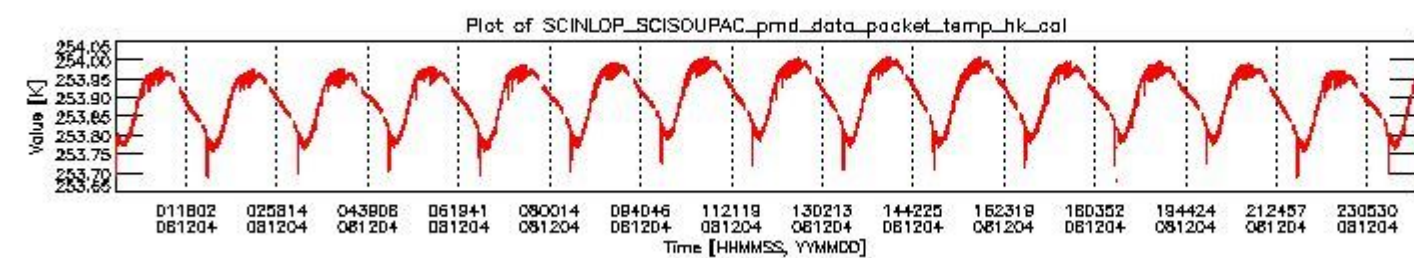
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081204_0.PNG



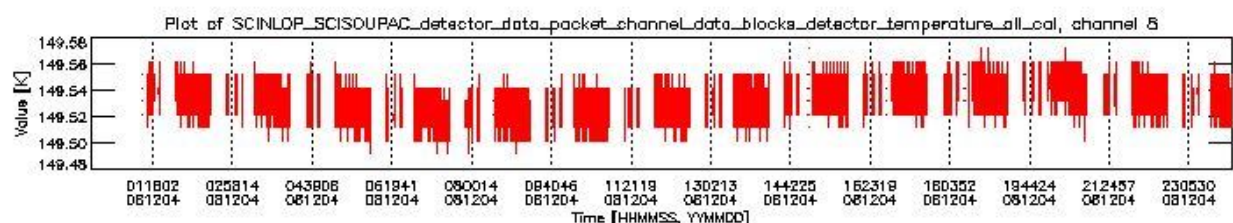
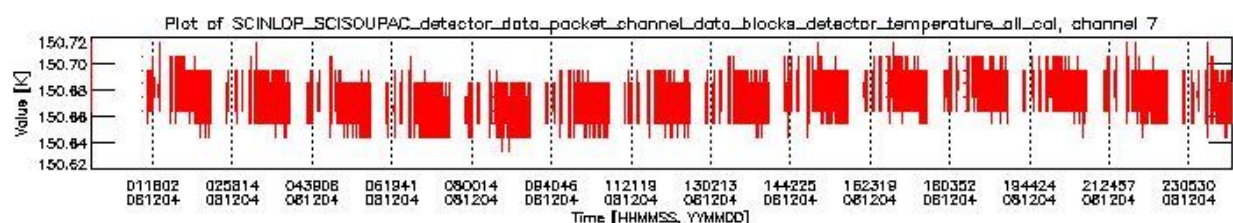
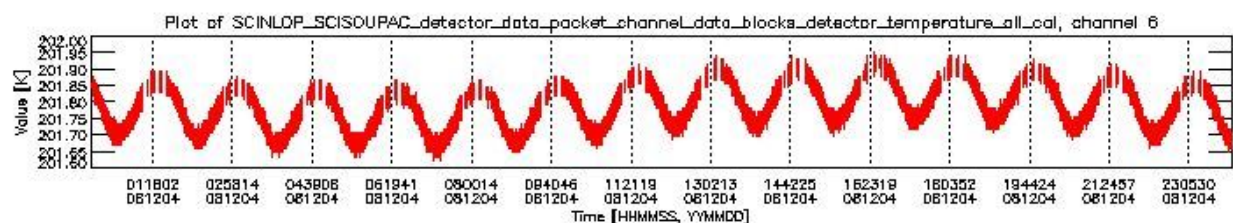
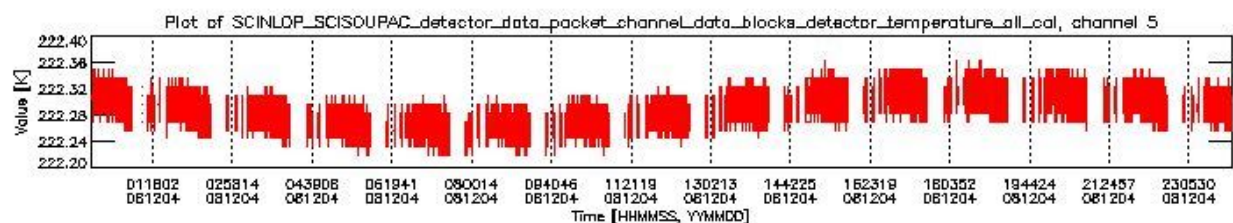
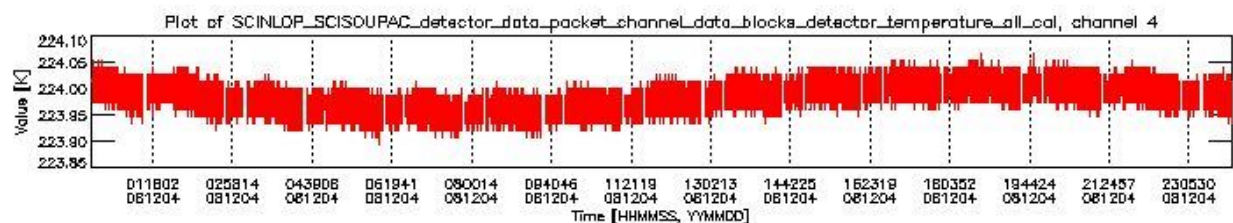
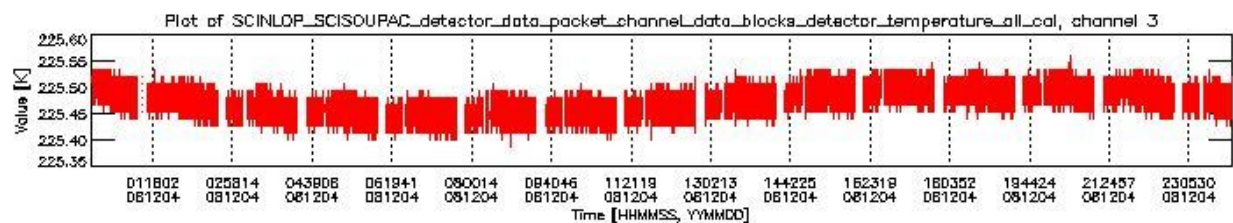
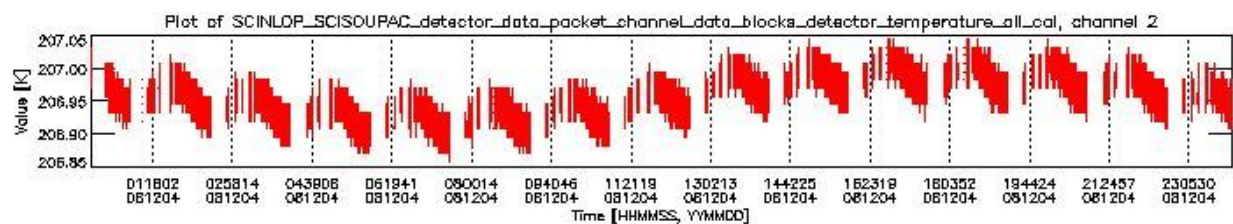
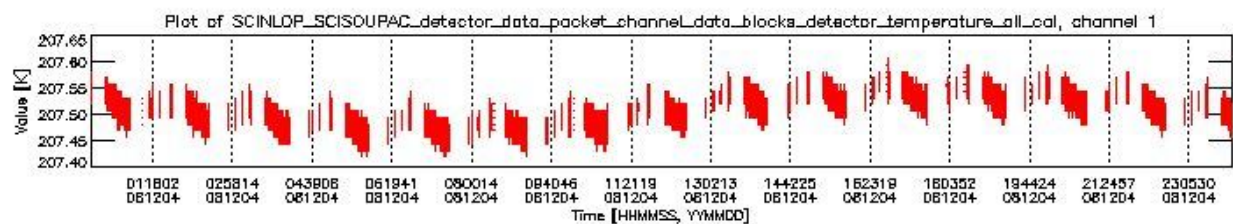
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081204_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081204_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081204_3.PNG

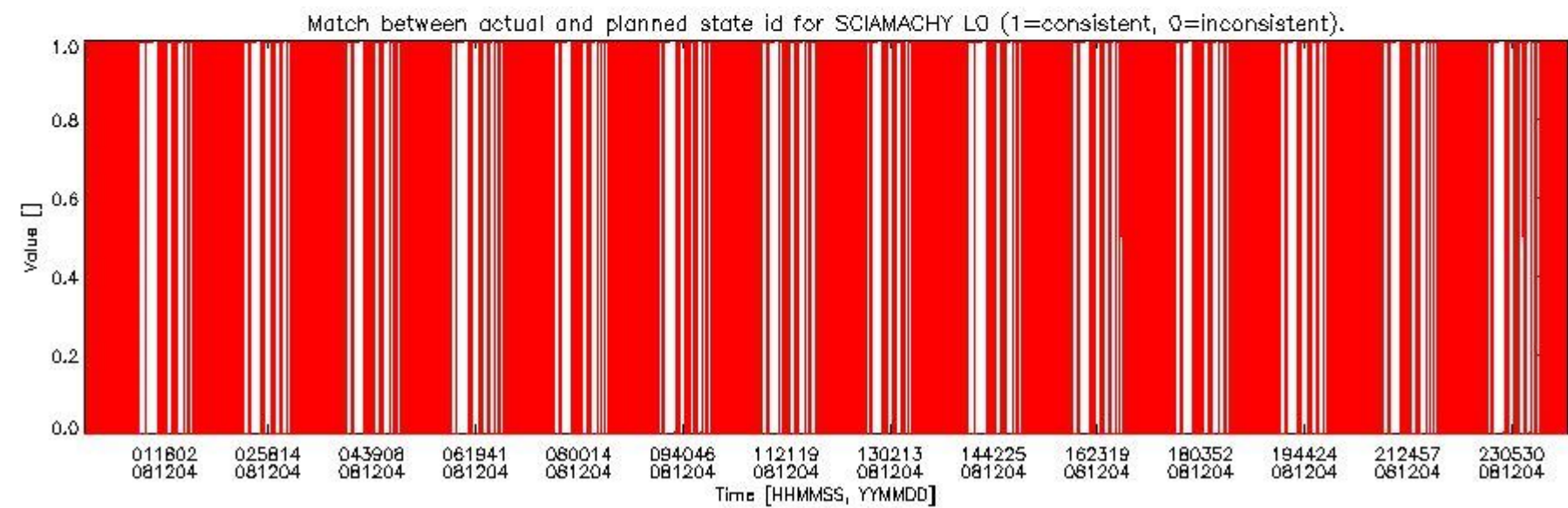
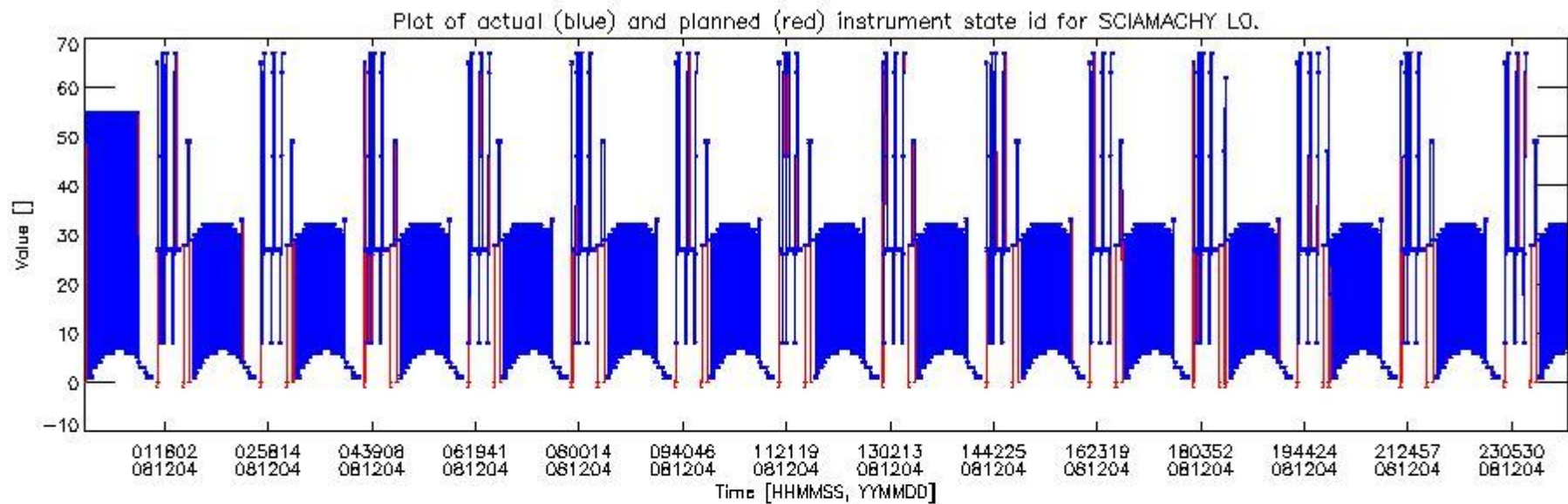


0.3 State monitoring

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: **50132**

#	Actual time	Actual value	Planned time	Planned value
0	04DEC2008 00:01:11.178773	55	04DEC2008 00:01:11.178773	0
1	04DEC2008 00:01:11.803795	55	04DEC2008 00:01:11.803795	0
2	04DEC2008 00:01:12.178768	55	04DEC2008 00:01:12.178768	0
3	04DEC2008 00:01:12.553781	55	04DEC2008 00:01:12.553781	0
4	04DEC2008 00:01:13.116280	55	04DEC2008 00:01:13.116280	0
5	04DEC2008 00:01:13.491293	55	04DEC2008 00:01:13.491293	0
6	04DEC2008 00:01:13.866266	55	04DEC2008 00:01:13.866266	0
7	04DEC2008 00:01:14.241279	55	04DEC2008 00:01:14.241279	0
8	04DEC2008 00:01:14.803779	55	04DEC2008 00:01:14.803779	0
9	04DEC2008 00:01:15.178792	55	04DEC2008 00:01:15.178792	0
10	04DEC2008 00:01:15.553764	55	04DEC2008 00:01:15.553764	0
11	04DEC2008 00:01:15.928777	55	04DEC2008 00:01:15.928777	0
12	04DEC2008 00:01:16.178786	55	04DEC2008 00:01:16.178786	0
13	04DEC2008 00:01:16.491277	55	04DEC2008 00:01:16.491277	0
14	04DEC2008 00:01:16.866290	55	04DEC2008 00:01:16.866290	0
15	04DEC2008 00:01:17.241263	55	04DEC2008 00:01:17.241263	0
16	04DEC2008 00:01:17.616276	55	04DEC2008 00:01:17.616276	0
17	04DEC2008 00:01:18.178775	55	04DEC2008 00:01:18.178775	0
18	04DEC2008 00:01:18.553788	55	04DEC2008 00:01:18.553788	0
19	04DEC2008 00:01:18.928761	55	04DEC2008 00:01:18.928761	0

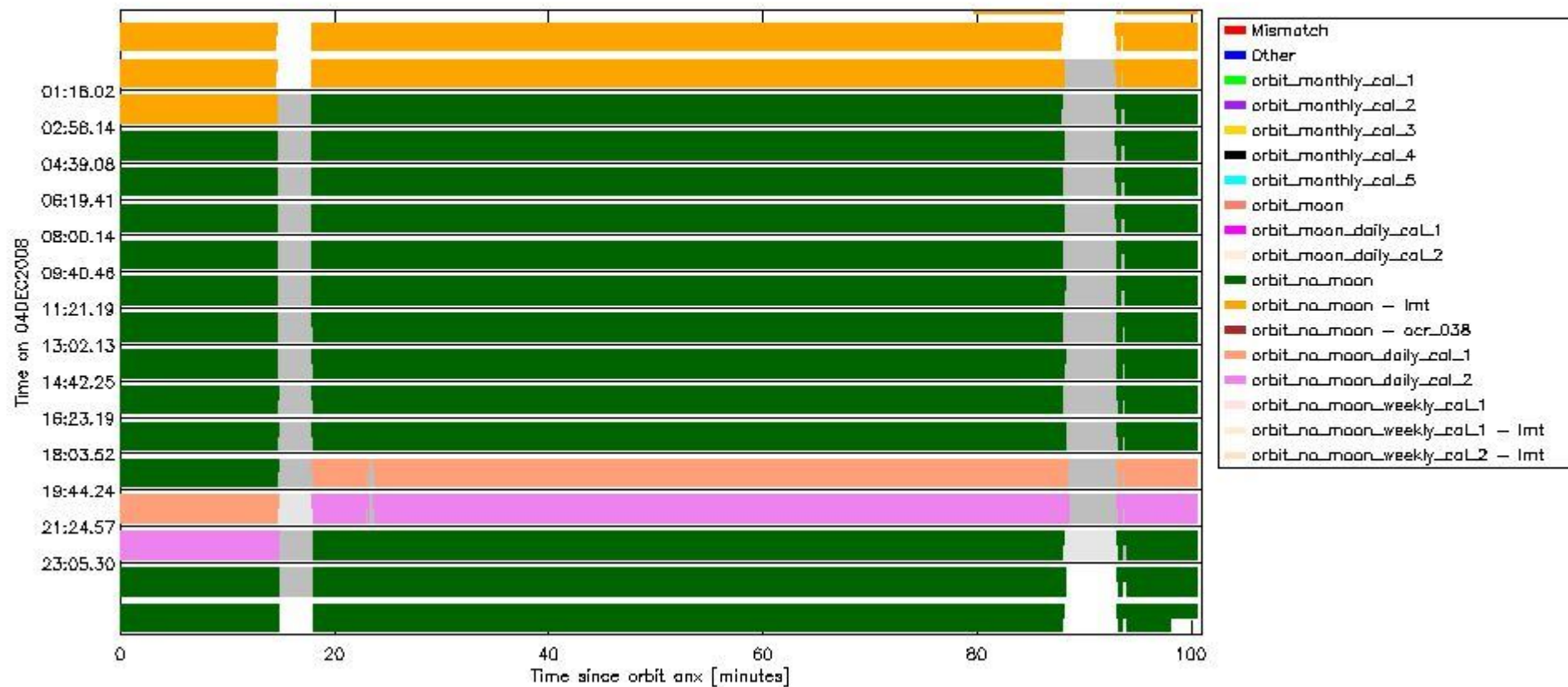


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081204_5.PNG

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 04DEC2008.
 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_20081204_6.PNG

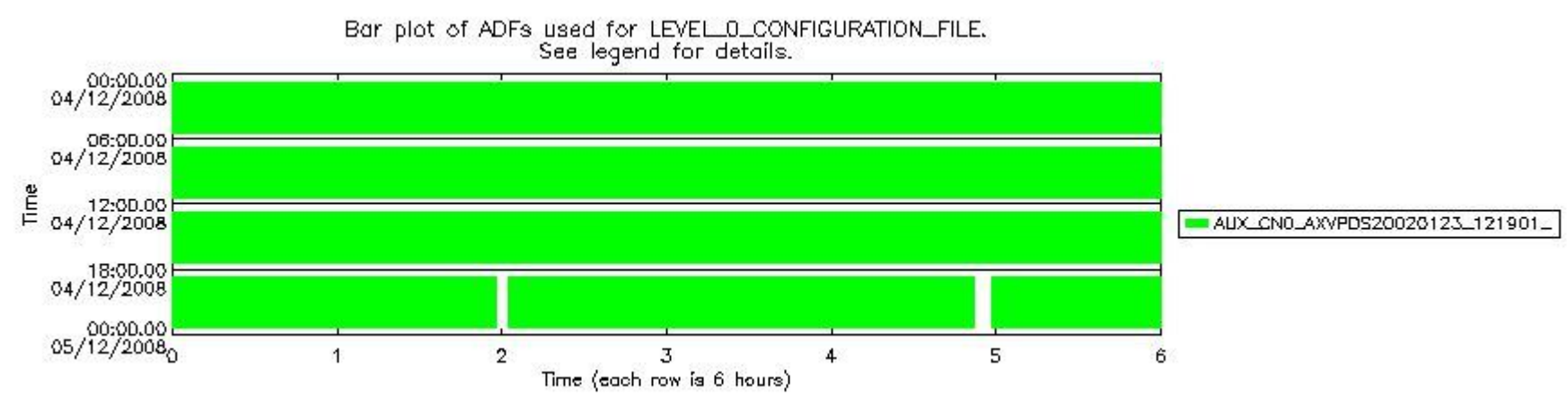
0.4 ADF monitoring

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

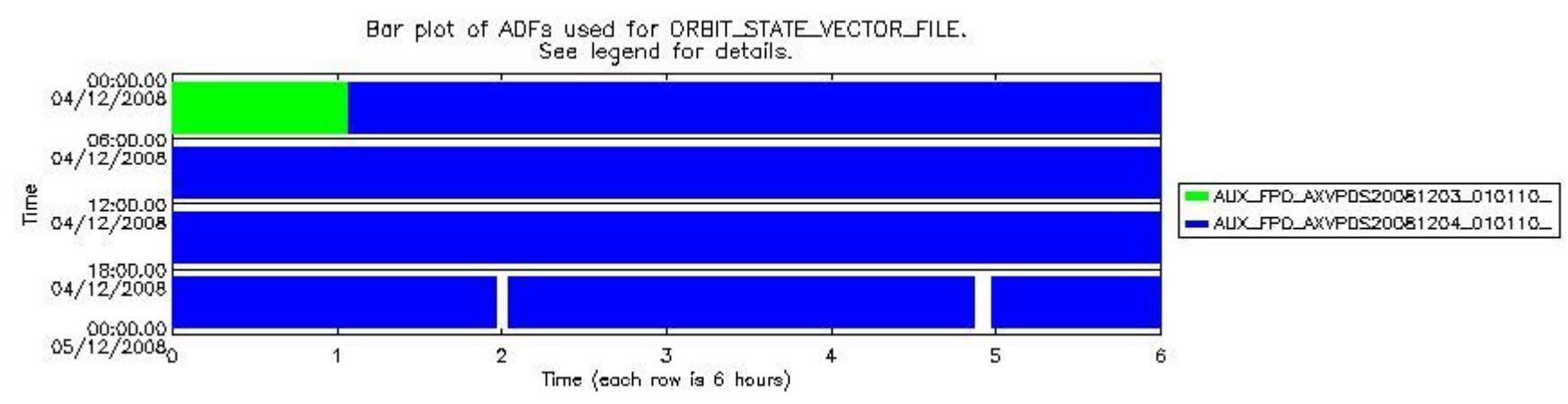
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

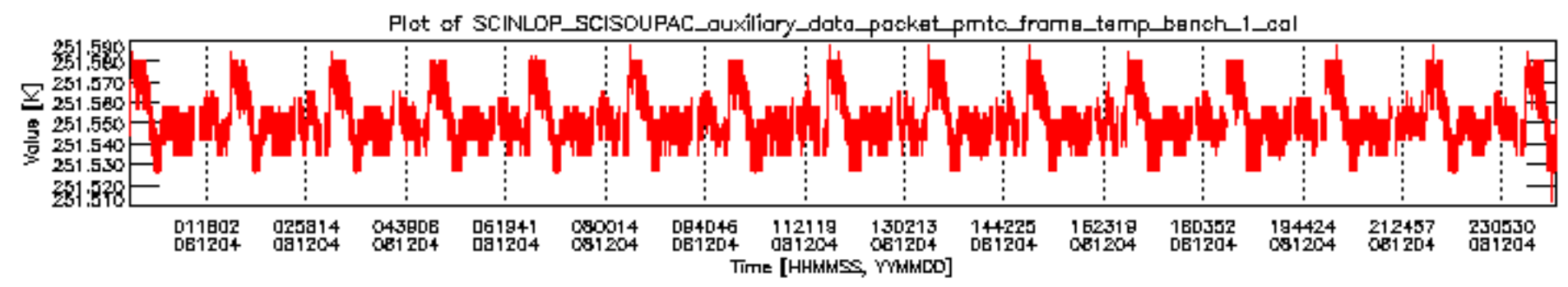
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081203_010110_20081202_190701_20081212_203315
2	AUX_FPO_AXVPDS20081204_010110_20081203_183524_20081213_200138

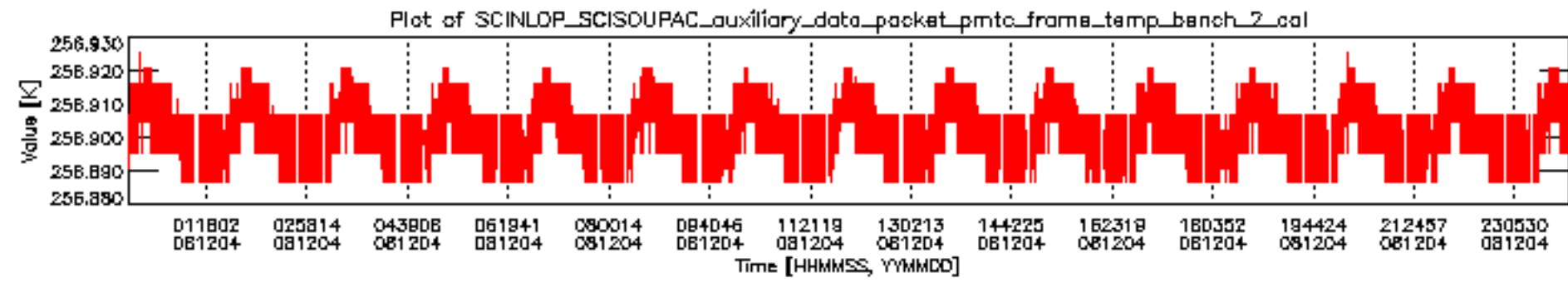


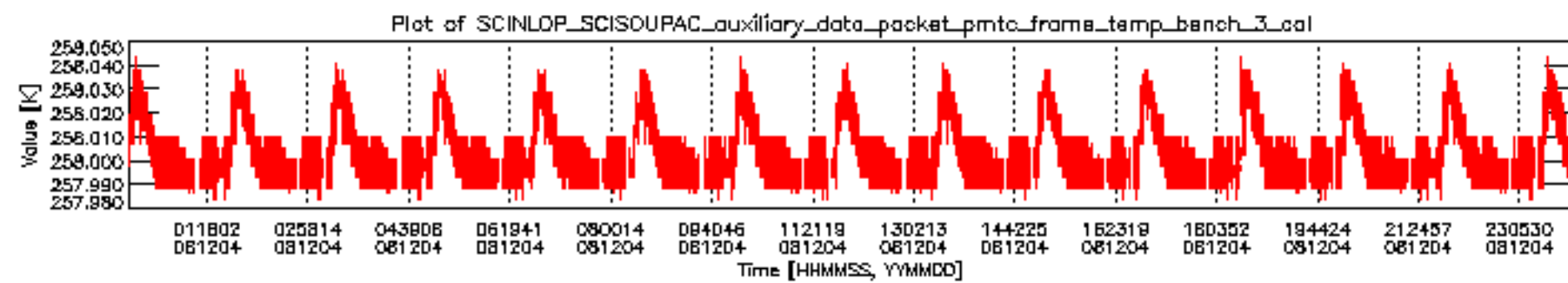
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081204_7.PNG

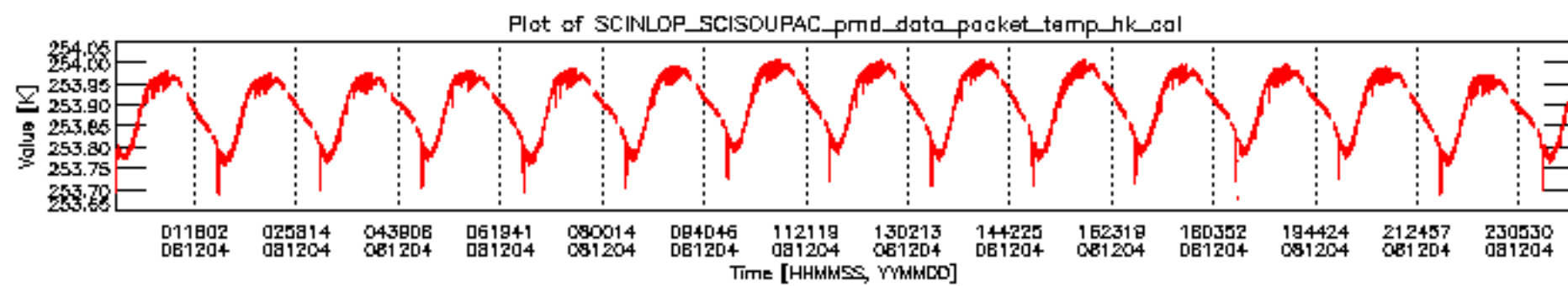


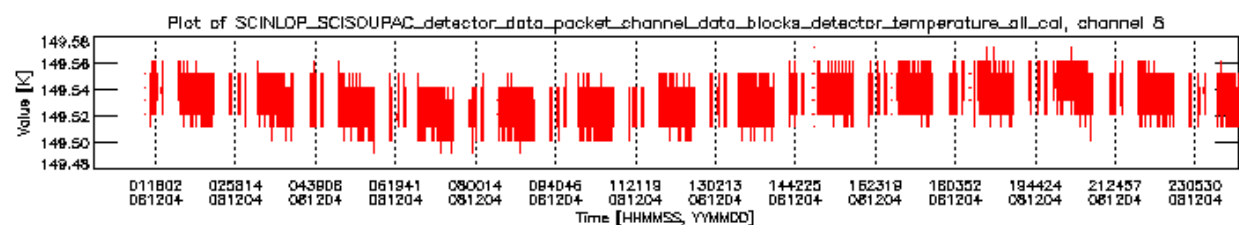
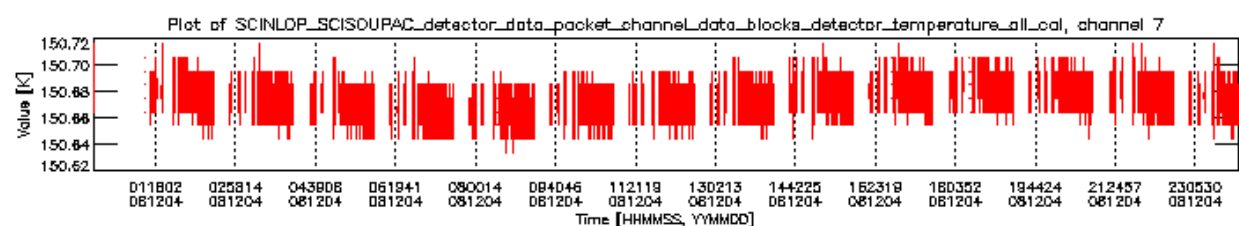
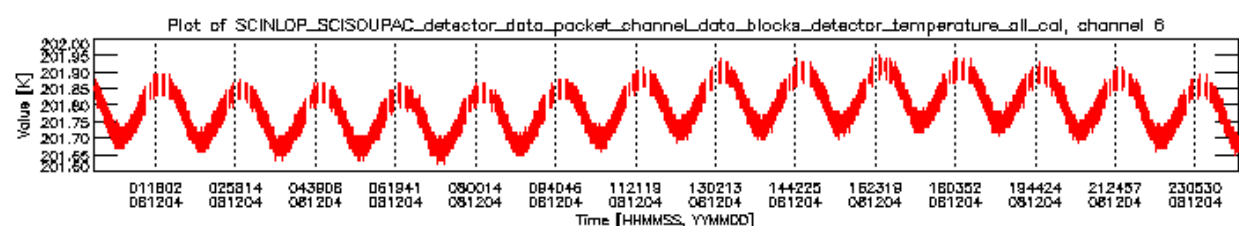
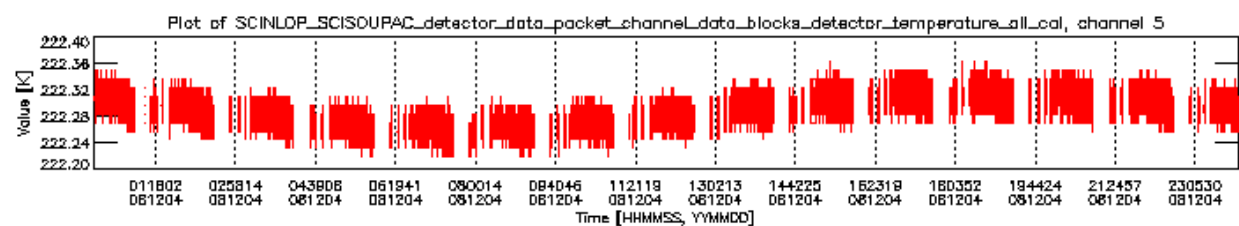
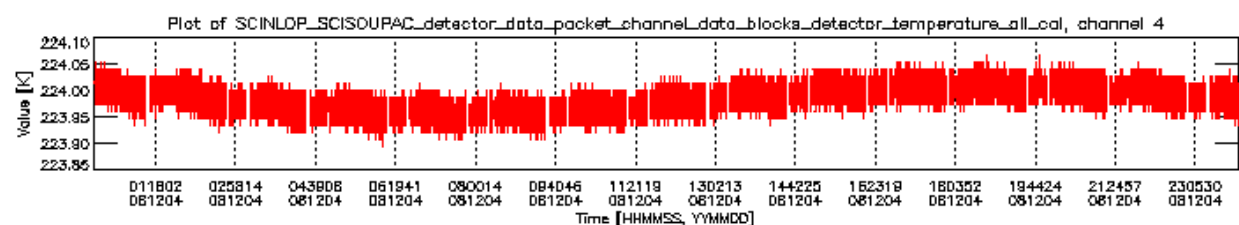
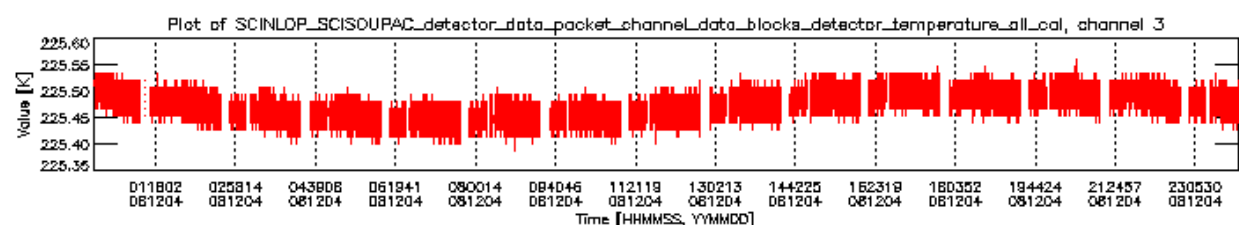
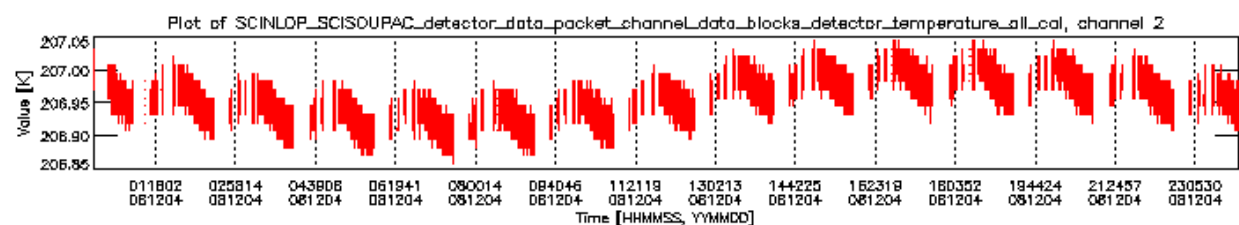
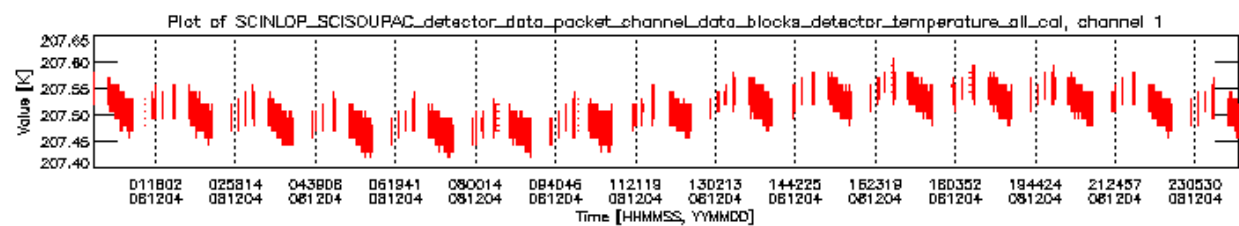
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081204_8.PNG



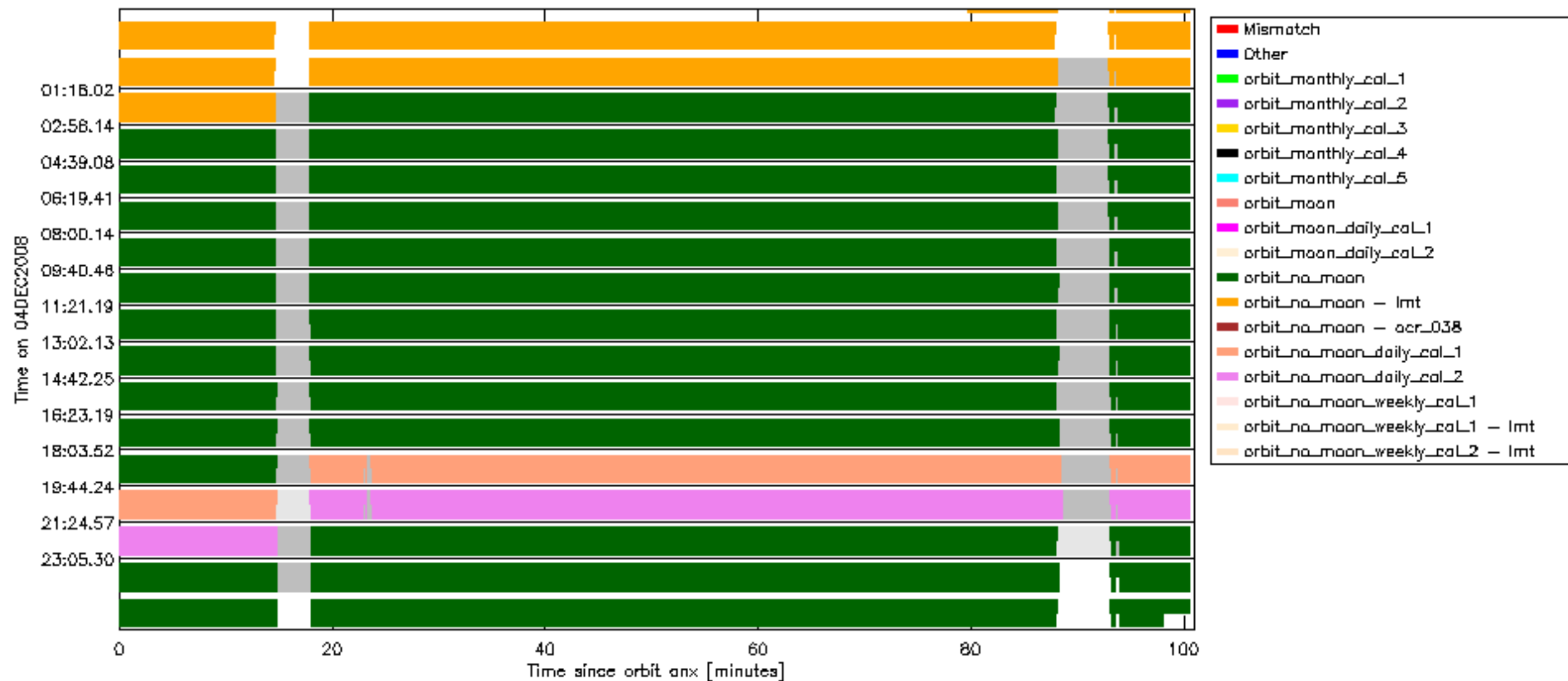


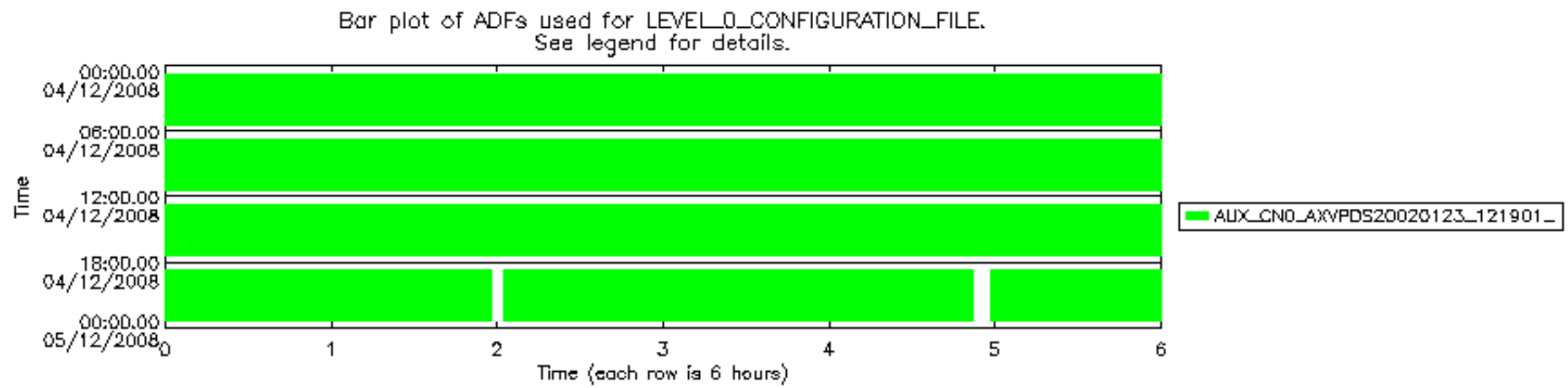






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 04DEC2008.
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 The remaining colours indicate planned activities and/or special measurements.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

