

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	29DEC2008 09:12:34
Data source version	KSPT_L0/4303-N
Processing scope for products	24DEC2008 00:00:00 to 25DEC2008 00:00:00
Start time of first product within scope	23DEC2008 22:55:07
Stop time of last product within scope	25DEC2008 00:03:52
Total number of level 0 products	16
Number of level 0 products with errors	0

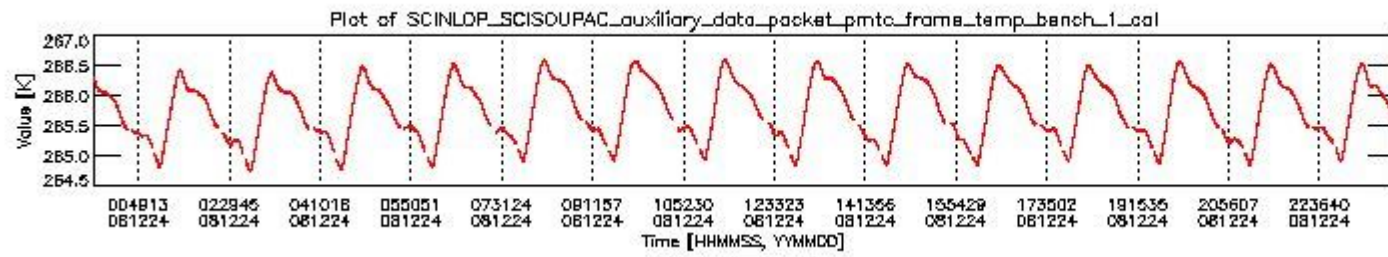
0.1.2 Summary per product

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

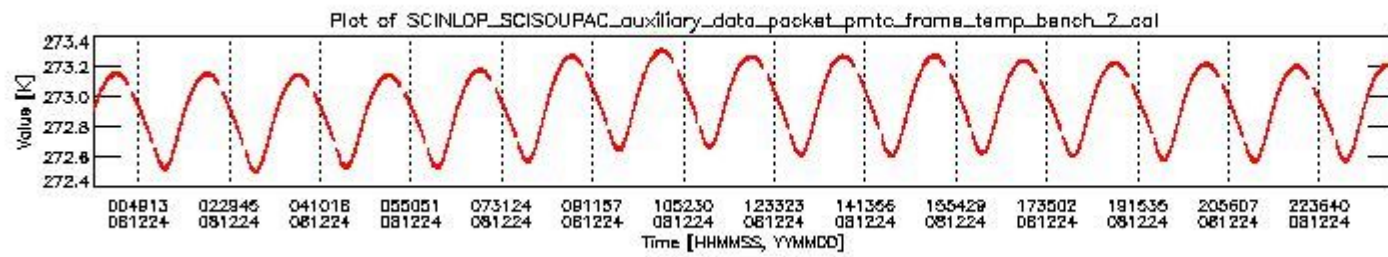
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081223_225507_000060232075_00015_35640_8157.N1	23DEC2008 22:55:07	24DEC2008 00:35:30	0	0	0	0	0
1	SCI_NL__OPNPDE20081224_004212_000055102075_00016_35641_8158.N1	24DEC2008 00:42:12	24DEC2008 02:14:02	0	0	0	0	0
2	SCI_NL__OPNPDE20081224_021253_000045482075_00017_35642_8200.N1	24DEC2008 02:12:53	24DEC2008 03:28:41	0	0	0	0	0
3	SCI_NL__OPNPDE20081224_032841_000061732075_00018_35643_8160.N1	24DEC2008 03:28:41	24DEC2008 05:11:34	0	0	0	0	0
4	SCI_NL__OPNPDE20081224_051025_000060362075_00019_35644_8161.N1	24DEC2008 05:10:25	24DEC2008 06:51:01	0	0	0	0	0
5	SCI_NL__OPNPDK20081224_065101_000041142075_00020_35645_0273.N1	24DEC2008 06:51:01	24DEC2008 07:59:35	0	0	0	0	0
6	SCI_NL__OPNPDK20081224_075826_000060362075_00021_35646_0274.N1	24DEC2008 07:58:26	24DEC2008 09:39:02	0	0	0	0	0
7	SCI_NL__OPNPDK20081224_093806_000061602075_00022_35647_0275.N1	24DEC2008 09:38:06	24DEC2008 11:20:46	0	0	0	0	0
8	SCI_NL__OPNPDK20081224_111842_000060362075_00023_35648_0276.N1	24DEC2008 11:18:42	24DEC2008 12:59:18	0	0	0	0	0
9	SCI_NL__OPNPDK20081224_125822_000060362075_00024_35649_0277.N1	24DEC2008 12:58:22	24DEC2008 14:38:58	0	0	0	0	0
10	SCI_NL__OPNPDK20081224_143802_000058412075_00025_35650_0278.N1	24DEC2008 14:38:02	24DEC2008 16:15:23	0	0	0	0	0
11	SCI_NL__OPNPDK20081224_161427_000059802075_00026_35651_0279.N1	24DEC2008 16:14:27	24DEC2008 17:54:07	0	0	0	0	0
12	SCI_NL__OPNPDK20081224_175311_000058202075_00027_35652_0280.N1	24DEC2008 17:53:11	24DEC2008 19:30:12	0	0	0	0	0
13	SCI_NL__OPNPDK20081224_193347_000057812075_00028_35653_0281.N1	24DEC2008 19:33:47	24DEC2008 21:10:08	0	0	0	0	0
14	SCI_NL__OPNPDE20081224_211008_000044012075_00029_35654_8162.N1	24DEC2008 21:10:08	24DEC2008 22:23:29	0	0	0	0	0
15	SCI_NL__OPNPDE20081224_222329_000060232075_00029_35654_8163.N1	24DEC2008 22:23:29	25DEC2008 00:03:52	0	0	0	0	0

0.2 Product Quality Indicators

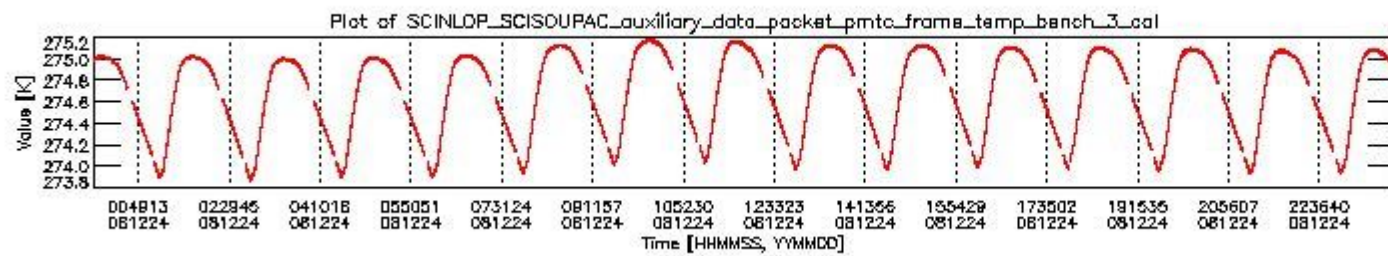
This section shows information about product quality, currently temperatures.



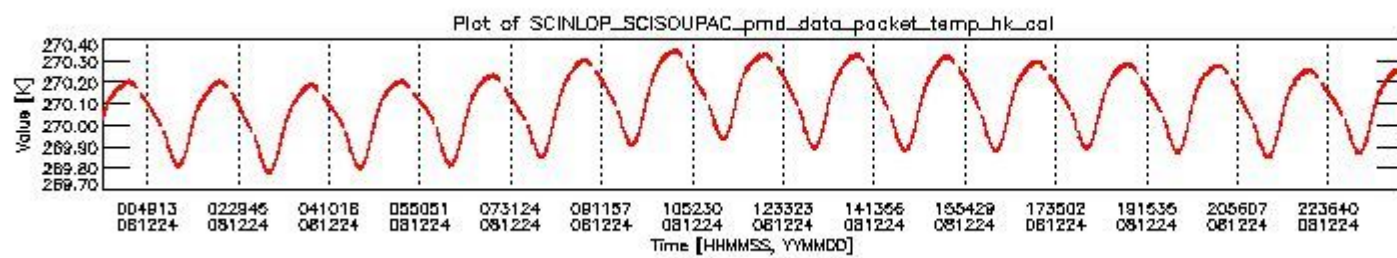
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081224_0.PNG



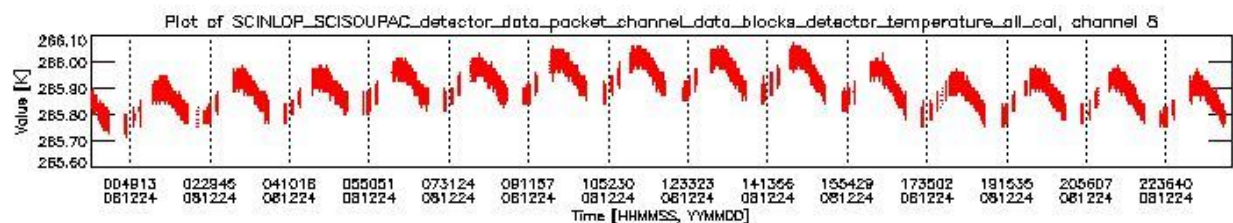
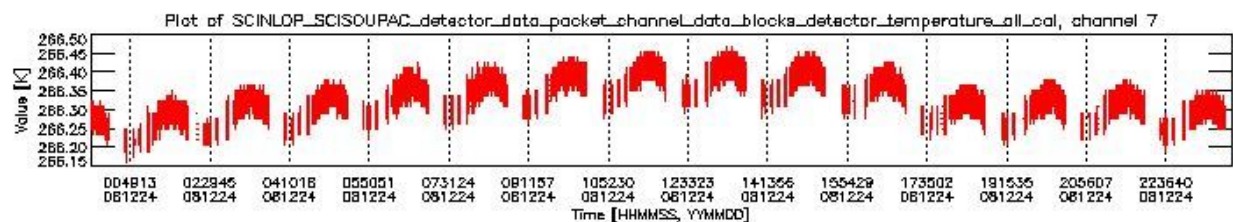
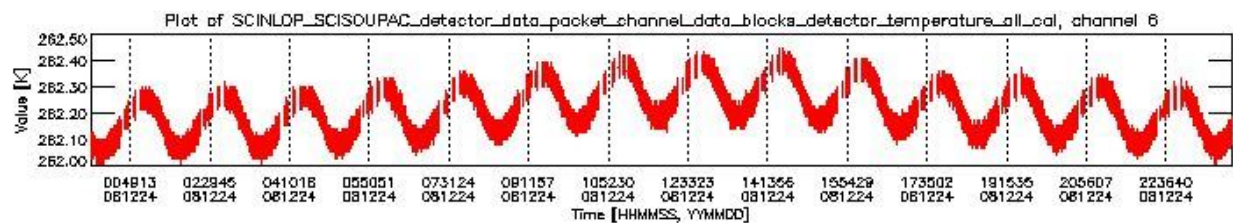
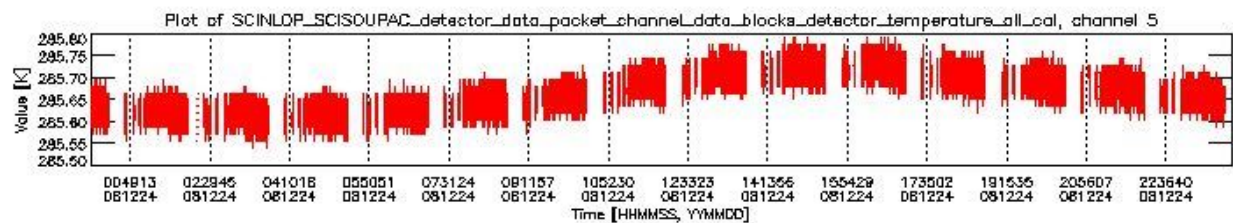
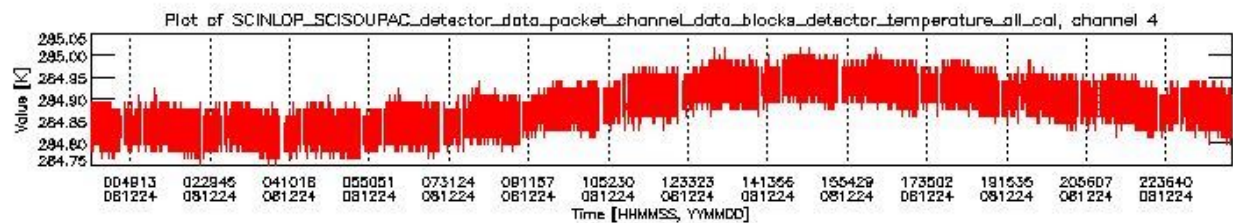
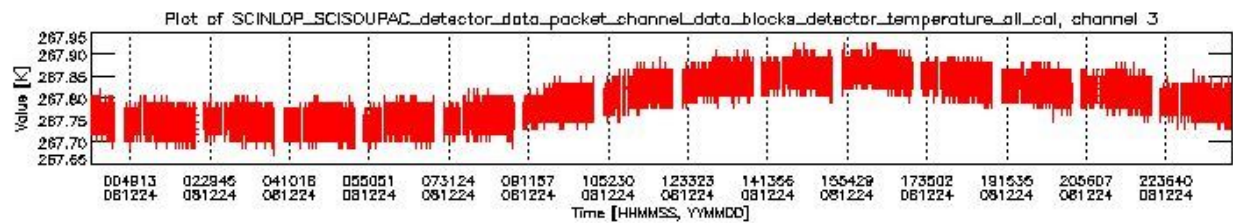
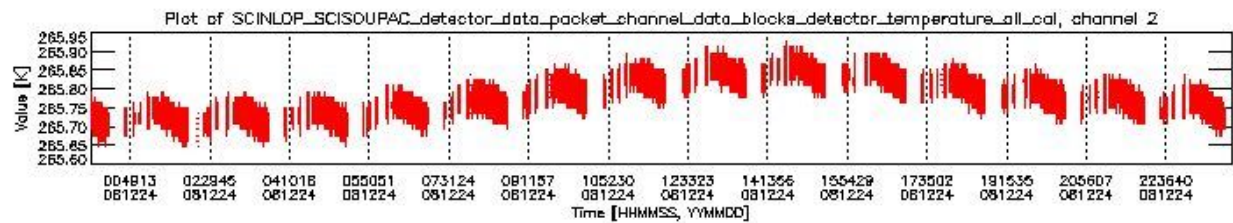
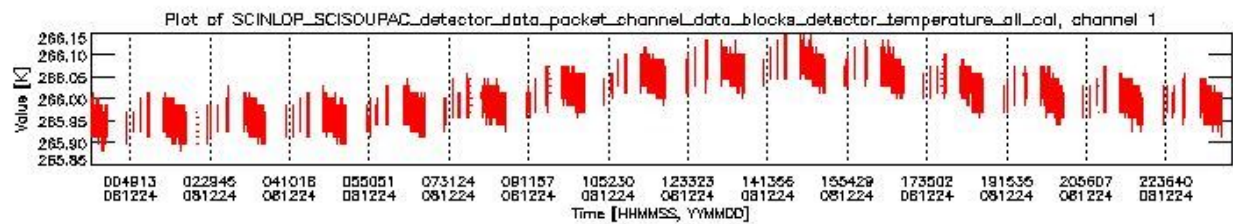
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081224_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081224_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081224_3.PNG

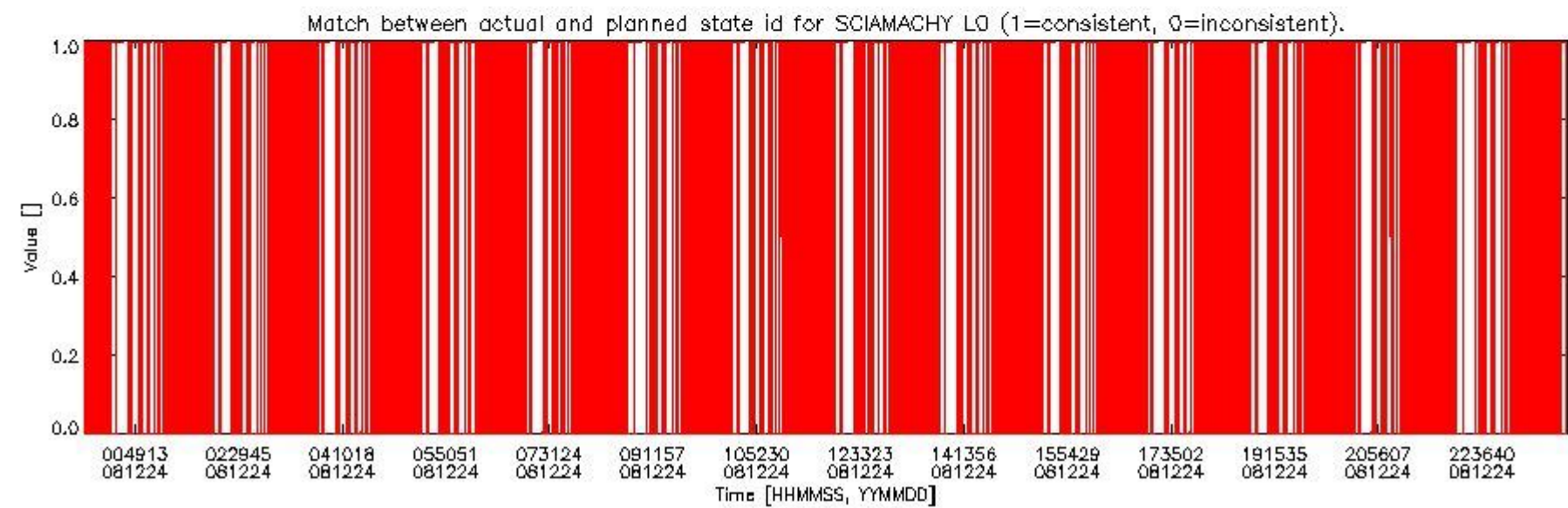
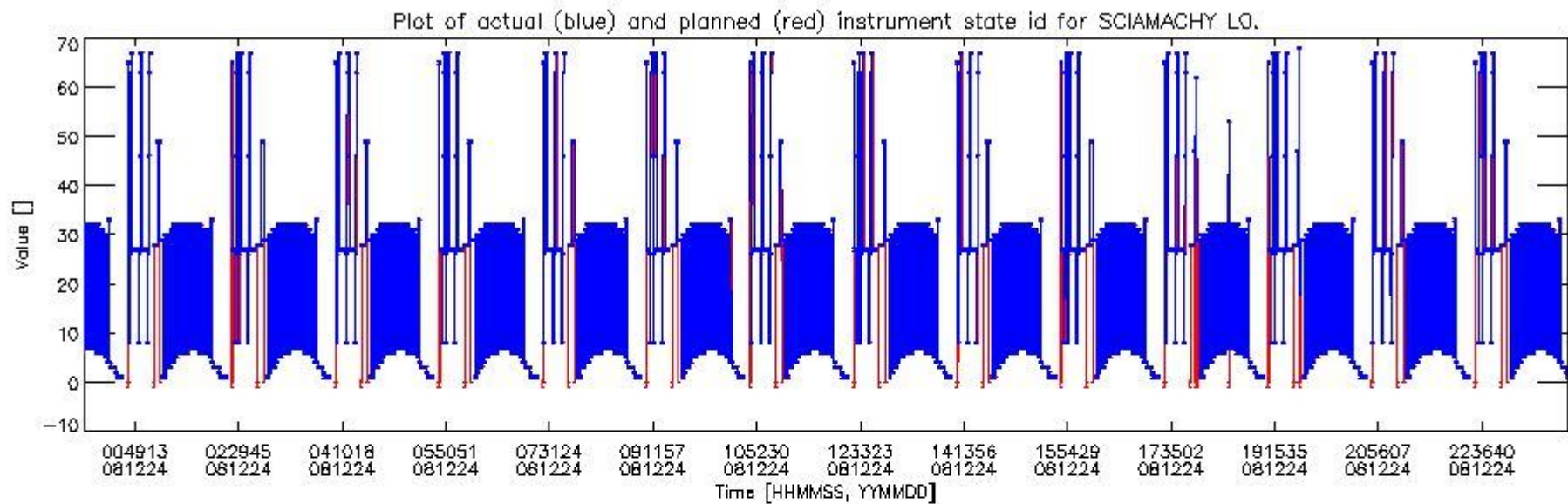


0.3 State monitoring

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: **46431**

#	Actual time	Actual value	Planned time	Planned value
0	24DEC2008 00:00:20.608217	32	24DEC2008 00:00:20.608217	7
1	24DEC2008 00:00:21.233238	32	24DEC2008 00:00:21.233238	7
2	24DEC2008 00:00:21.608211	32	24DEC2008 00:00:21.608211	7
3	24DEC2008 00:00:21.983224	32	24DEC2008 00:00:21.983224	7
4	24DEC2008 00:00:22.545724	32	24DEC2008 00:00:22.545724	7
5	24DEC2008 00:00:22.920737	32	24DEC2008 00:00:22.920737	7
6	24DEC2008 00:00:23.295750	32	24DEC2008 00:00:23.295750	7
7	24DEC2008 00:00:23.670723	32	24DEC2008 00:00:23.670723	7
8	24DEC2008 00:00:24.233222	32	24DEC2008 00:00:24.233222	7
9	24DEC2008 00:00:24.608235	32	24DEC2008 00:00:24.608235	7
10	24DEC2008 00:00:24.983248	32	24DEC2008 00:00:24.983248	7
11	24DEC2008 00:00:25.358221	32	24DEC2008 00:00:25.358221	7
12	24DEC2008 00:00:25.608230	32	24DEC2008 00:00:25.608230	7
13	24DEC2008 00:00:25.920720	32	24DEC2008 00:00:25.920720	7
14	24DEC2008 00:00:26.295733	32	24DEC2008 00:00:26.295733	7
15	24DEC2008 00:00:26.670747	32	24DEC2008 00:00:26.670747	7
16	24DEC2008 00:00:27.045719	32	24DEC2008 00:00:27.045719	7
17	24DEC2008 00:00:27.608219	32	24DEC2008 00:00:27.608219	7
18	24DEC2008 00:00:27.983232	32	24DEC2008 00:00:27.983232	7
19	24DEC2008 00:00:28.358245	32	24DEC2008 00:00:28.358245	7

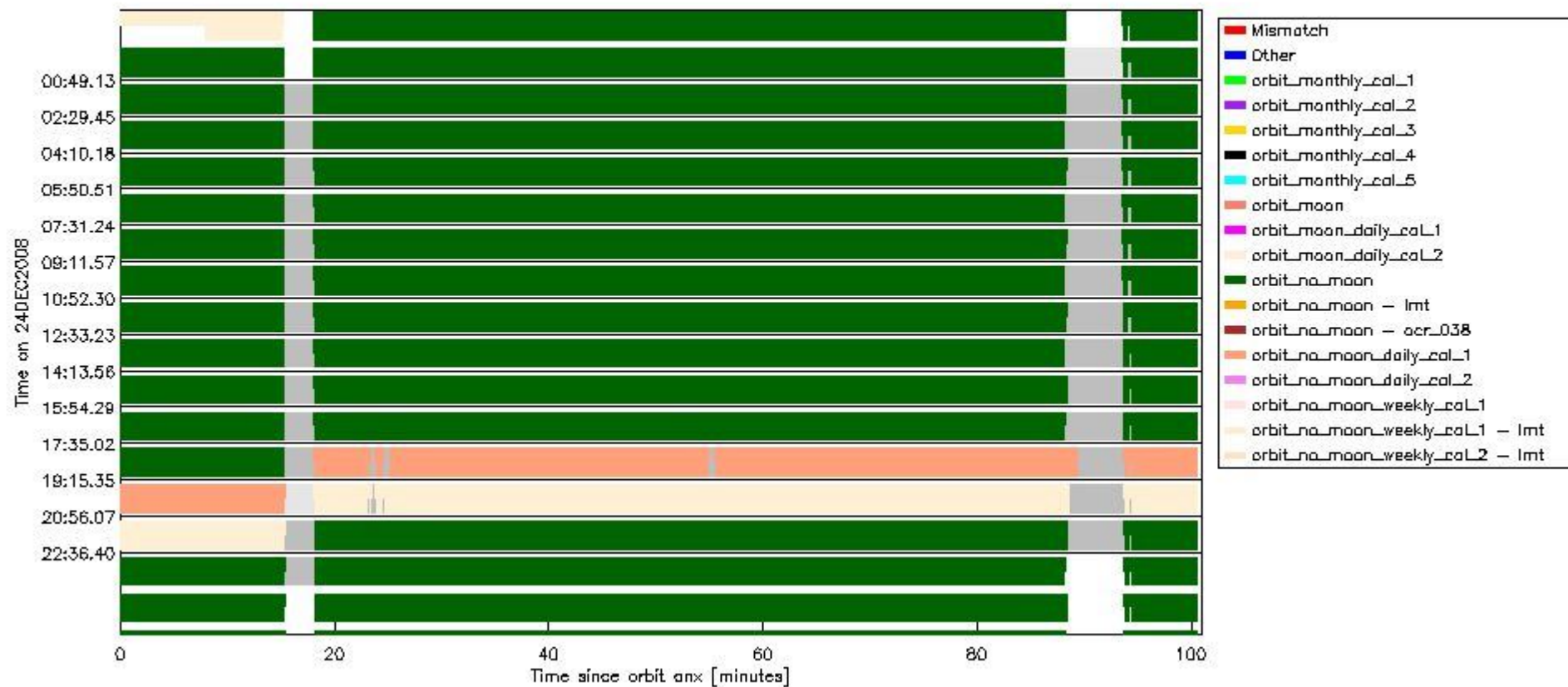


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081224_5.PNG

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 24DEC2008.
 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_20081224_6.PNG

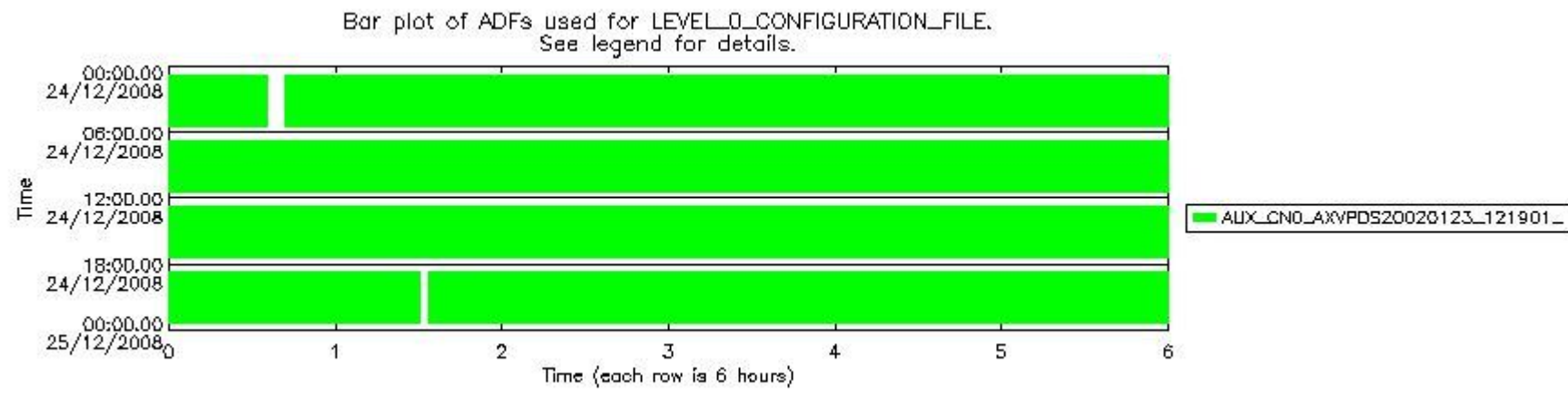
0.4 ADF monitoring

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

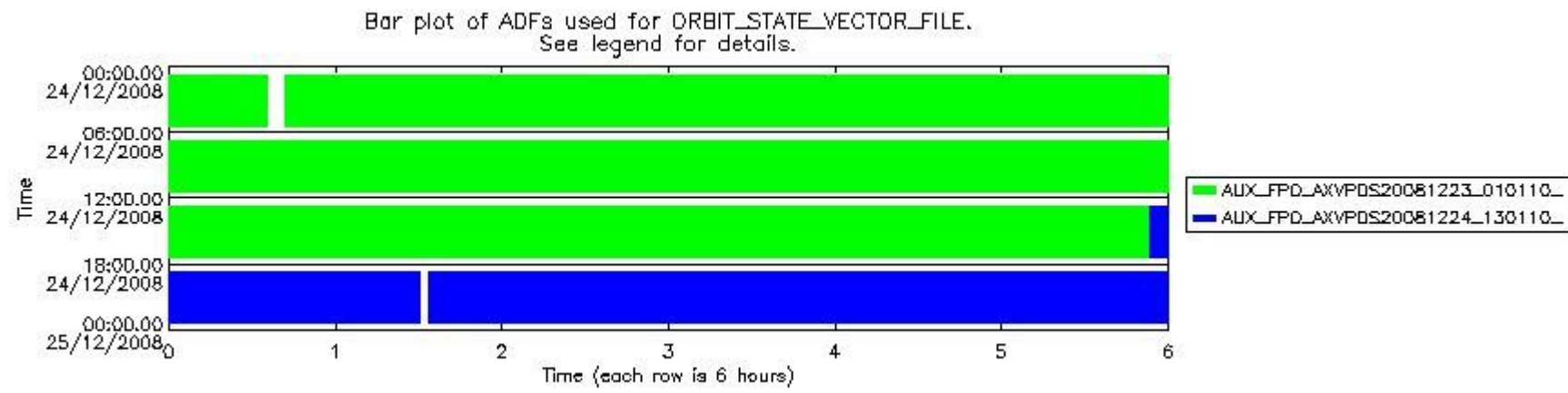
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

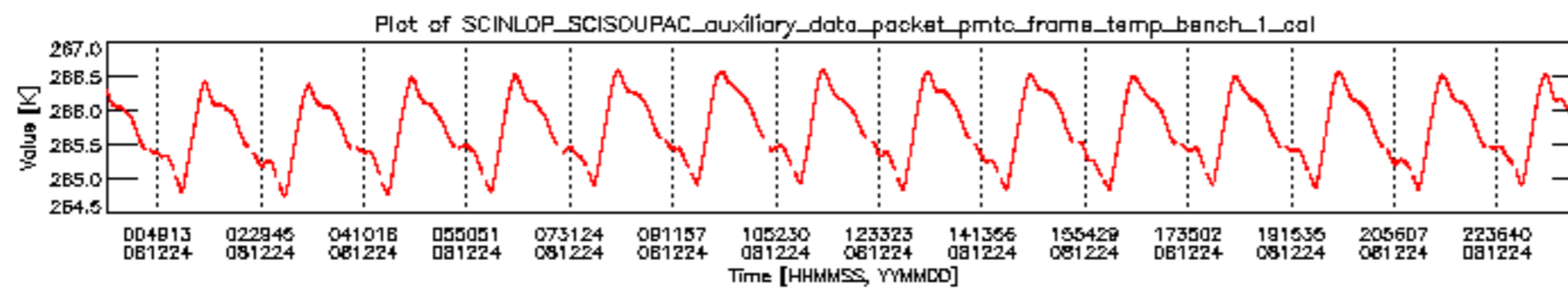
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081223_010110_20081222_183817_20090101_200430
2	AUX_FPO_AXVPDS20081224_130110_20081223_194716_20090102_211329

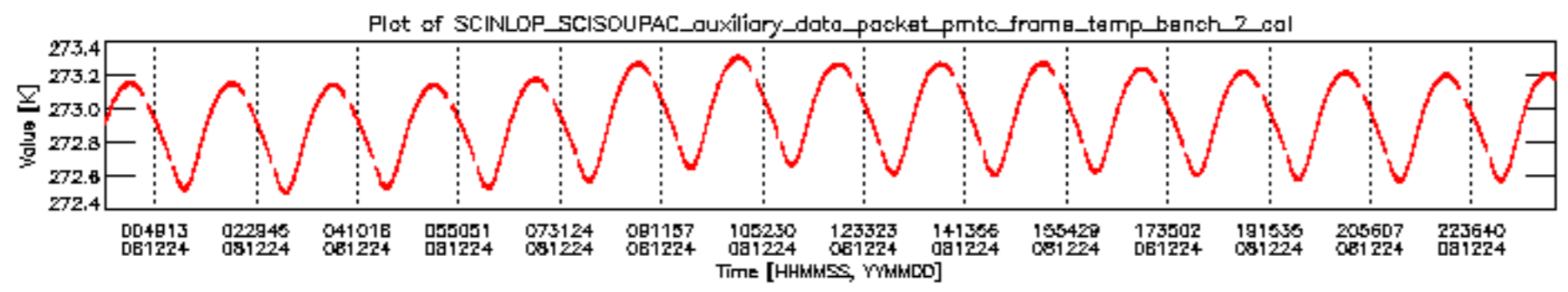


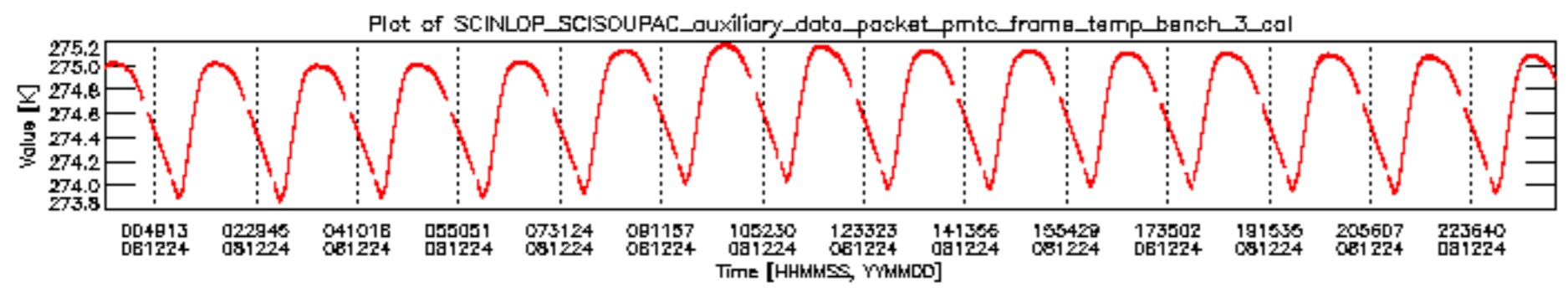
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081224_7.PNG

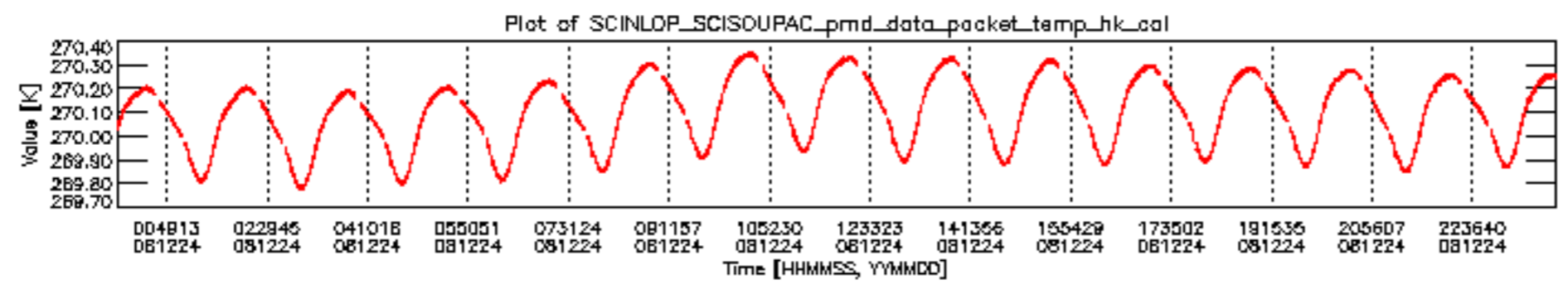


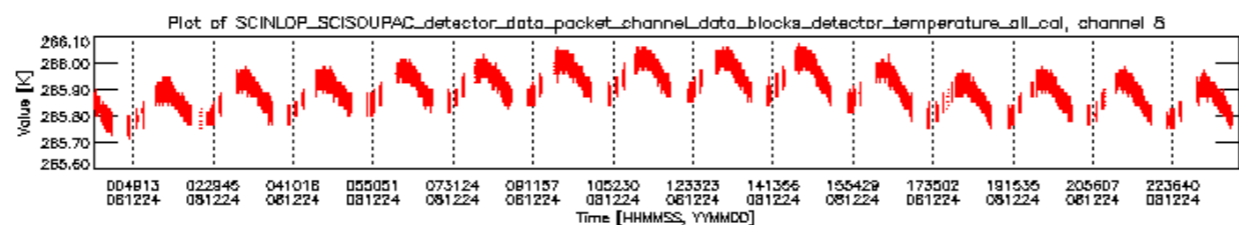
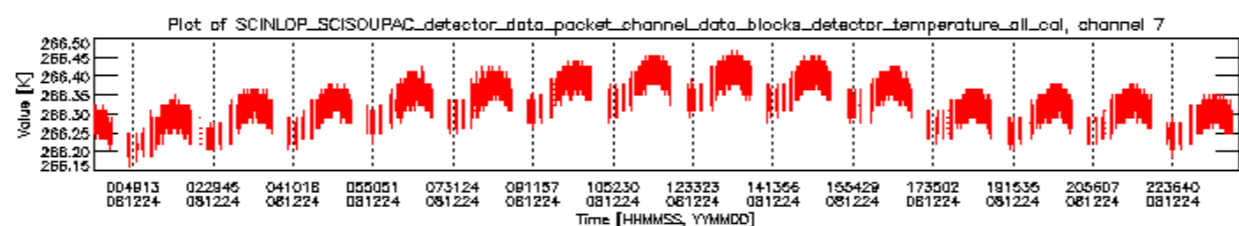
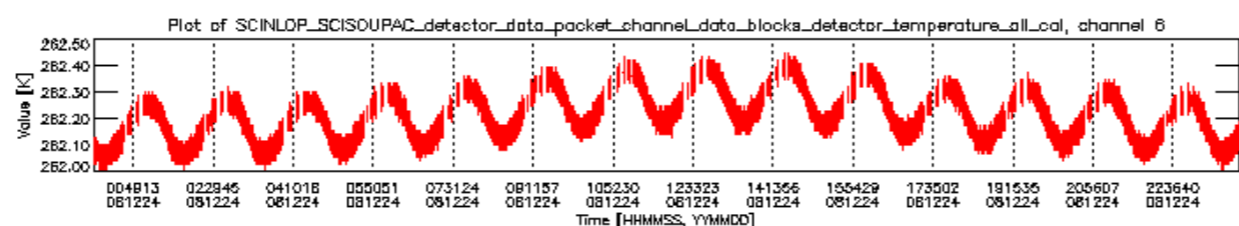
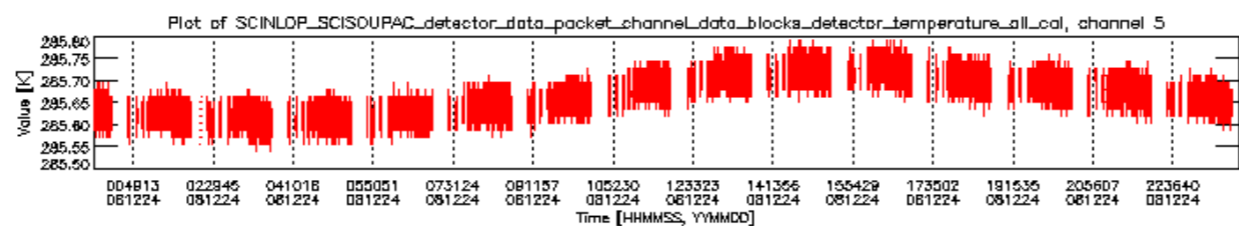
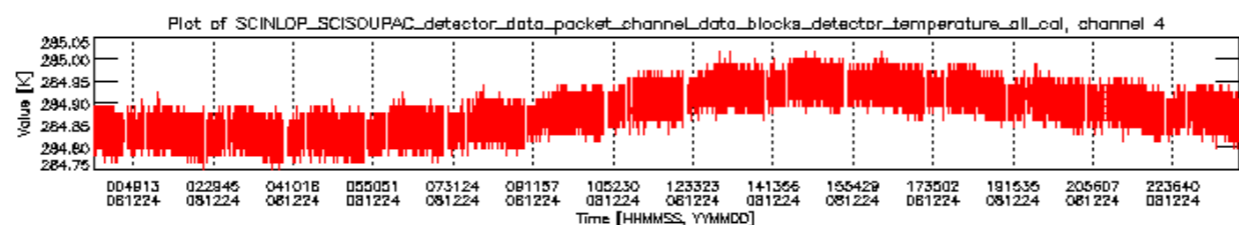
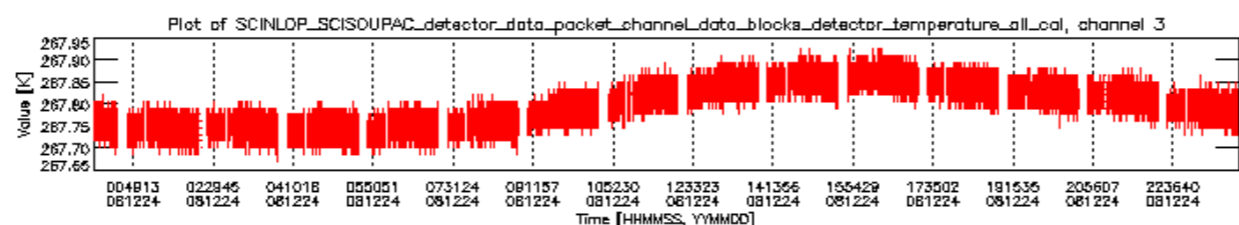
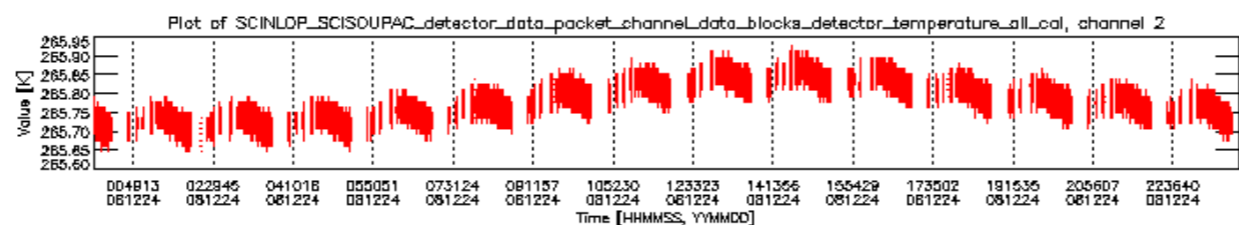
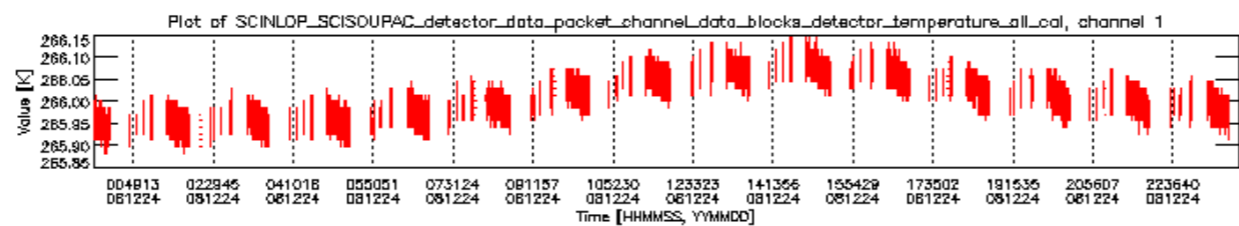
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081224_8.PNG

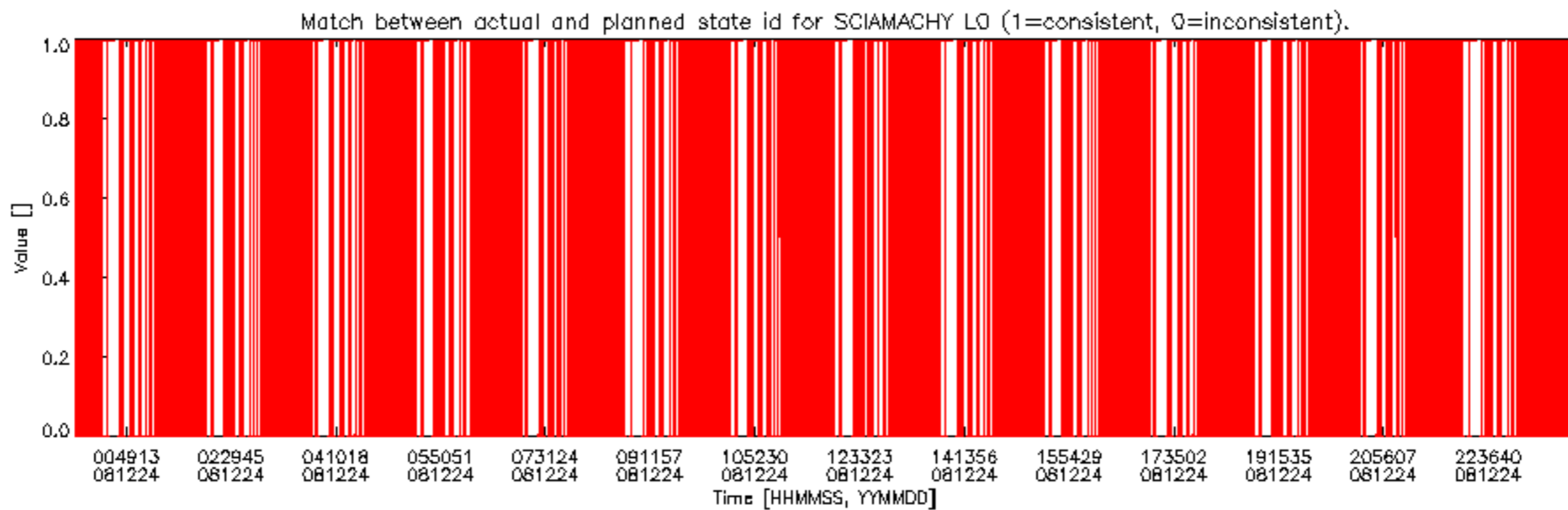
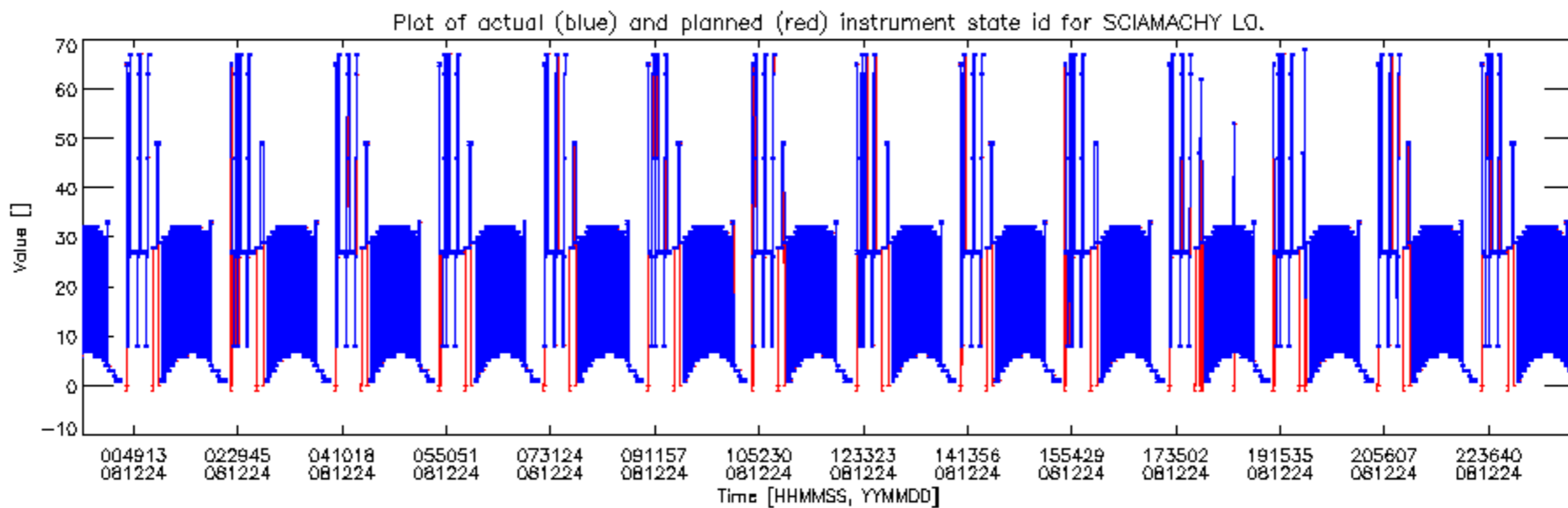












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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