

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 09:02:42
Data source version	KSPT_L0/4303-N
Processing scope for products	23DEC2008 00:00:00 to 24DEC2008 00:00:00
Start time of first product within scope	22DEC2008 23:25:36
Stop time of last product within scope	24DEC2008 00:35:30
Total number of level 0 products	16
Number of level 0 products with errors	0

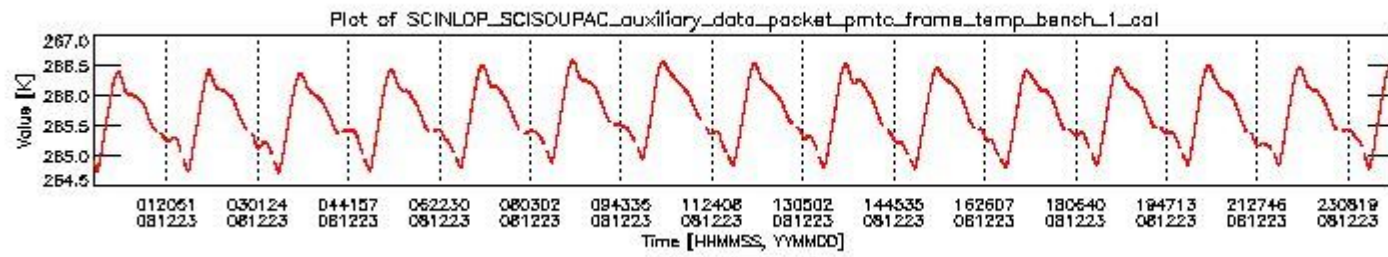
0.1.2 Summary per product

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

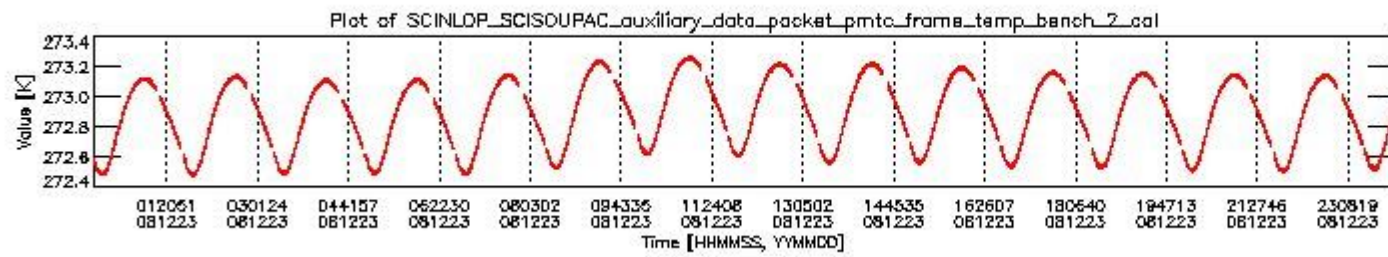
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081222_232536_000060922075_00001_35626_8150.N1	22DEC2008 23:25:36	23DEC2008 01:07:08	0	0	0	0	0
1	SCI_NL__OPNPDE20081223_010708_000046722075_00002_35627_8151.N1	23DEC2008 01:07:08	23DEC2008 02:25:00	0	0	0	0	0
2	SCI_NL__OPNPDE20081223_022500_000057872075_00003_35628_8152.N1	23DEC2008 02:25:00	23DEC2008 04:01:27	0	0	0	0	0
3	SCI_NL__OPNPDE20081223_040127_000061052075_00004_35629_8153.N1	23DEC2008 04:01:27	23DEC2008 05:43:12	0	0	0	0	0
4	SCI_NL__OPNPDE20081223_054203_000061602075_00005_35630_8154.N1	23DEC2008 05:42:03	23DEC2008 07:24:44	0	0	0	0	0
5	SCI_NL__OPNPDK20081223_072444_000039892075_00006_35631_0265.N1	23DEC2008 07:24:44	23DEC2008 08:31:13	0	0	0	0	0
6	SCI_NL__OPNPDK20081223_083004_000061602075_00007_35632_0266.N1	23DEC2008 08:30:04	23DEC2008 10:12:44	0	0	0	0	0
7	SCI_NL__OPNPDK20081223_101136_000058682075_00008_35633_0267.N1	23DEC2008 10:11:36	23DEC2008 11:49:24	0	0	0	0	0
8	SCI_NL__OPNPDK20081223_114828_000062032075_00009_35634_0268.N1	23DEC2008 11:48:28	23DEC2008 13:31:52	0	0	0	0	0
9	SCI_NL__OPNPDK20081223_133000_000059802075_00010_35635_0269.N1	23DEC2008 13:30:00	23DEC2008 15:09:40	0	0	0	0	0
10	SCI_NL__OPNPDK20081223_150722_000059792075_00011_35636_0270.N1	23DEC2008 15:07:22	23DEC2008 16:47:01	0	0	0	0	0
11	SCI_NL__OPNPDK20081223_164605_000056682075_00012_35637_0271.N1	23DEC2008 16:46:05	23DEC2008 18:20:33	0	0	0	0	0
12	SCI_NL__OPNPDK20081223_182033_000060762075_00013_35638_0272.N1	23DEC2008 18:20:33	23DEC2008 20:01:48	0	0	0	0	0
13	SCI_NL__OPNPDE20081223_200104_000044192075_00014_35639_8155.N1	23DEC2008 20:01:04	23DEC2008 21:14:43	0	0	0	0	0
14	SCI_NL__OPNPDE20081223_211335_000060932075_00014_35639_8156.N1	23DEC2008 21:13:35	23DEC2008 22:55:07	0	0	0	0	0
15	SCI_NL__OPNPDE20081223_225507_000060232075_00015_35640_8157.N1	23DEC2008 22:55:07	24DEC2008 00:35:30	0	0	0	0	0

0.2 Product Quality Indicators

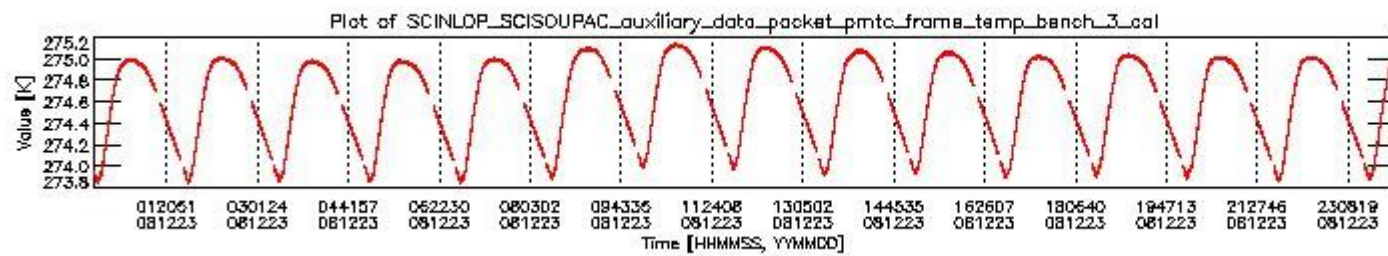
This section shows information about product quality, currently temperatures.



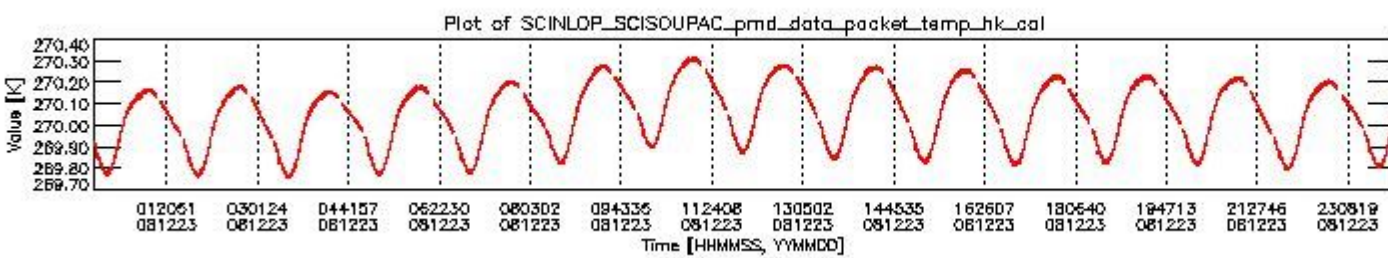
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081223_0.PNG



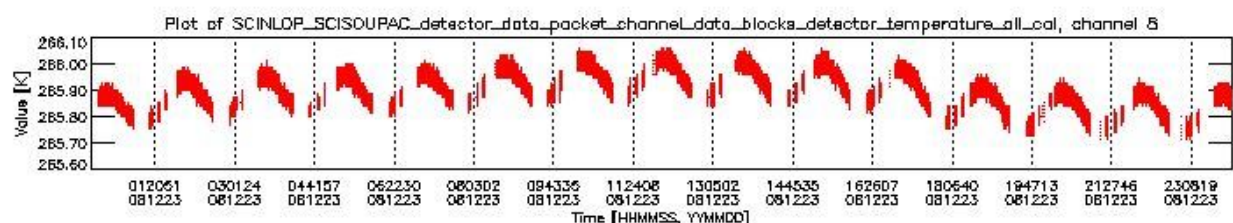
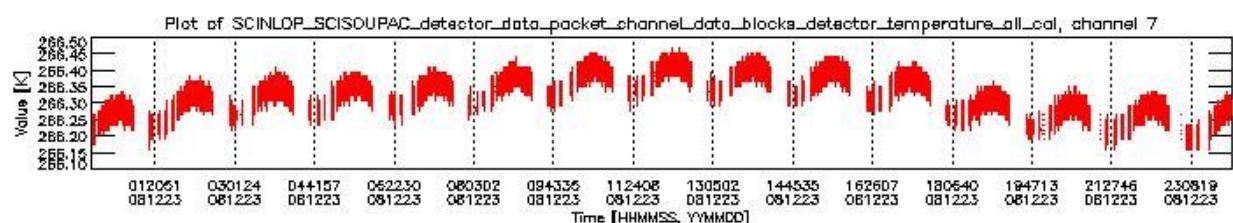
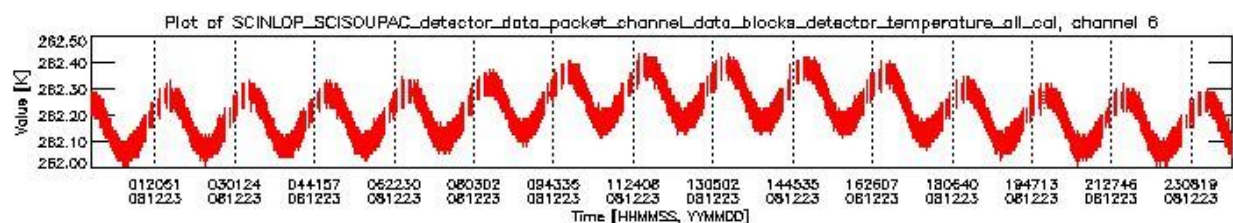
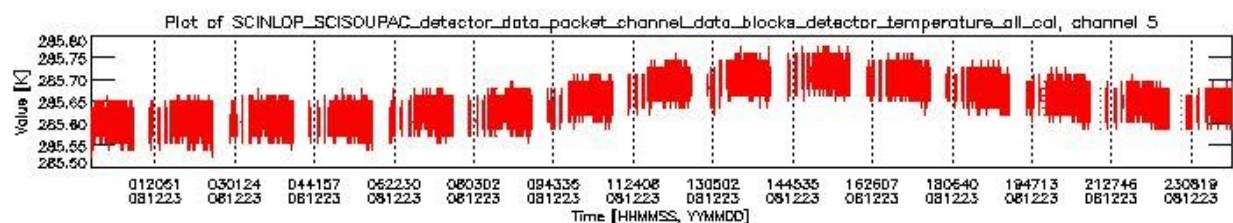
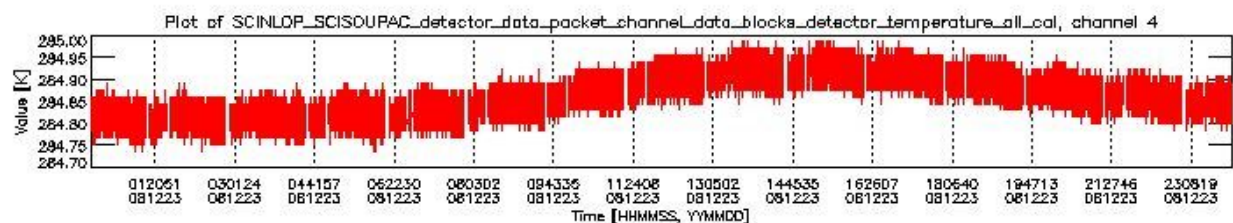
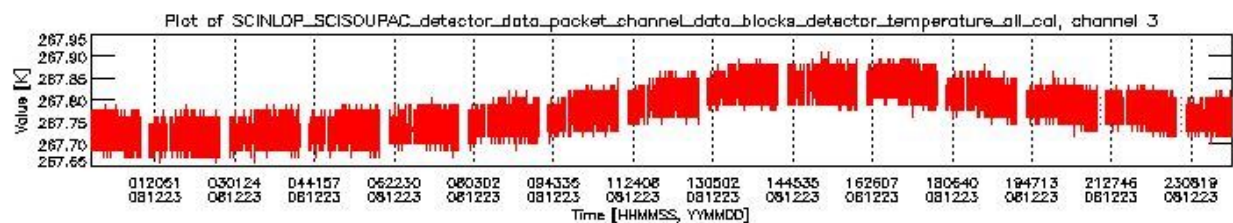
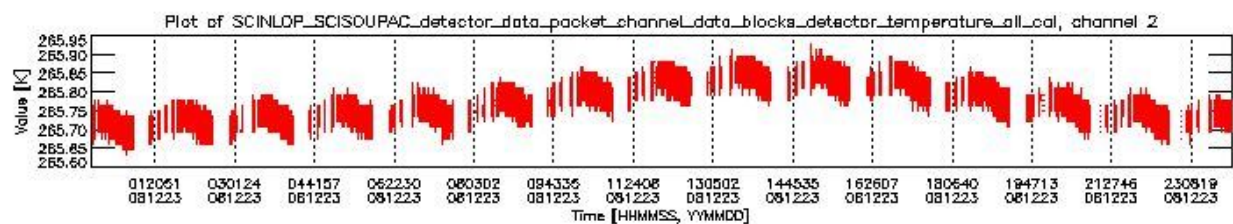
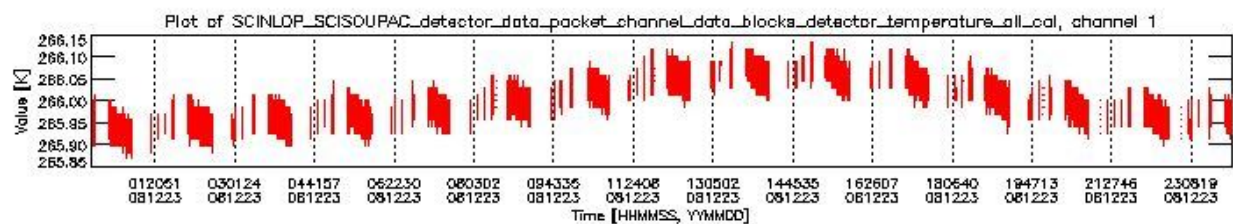
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081223_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081223_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081223_3.PNG

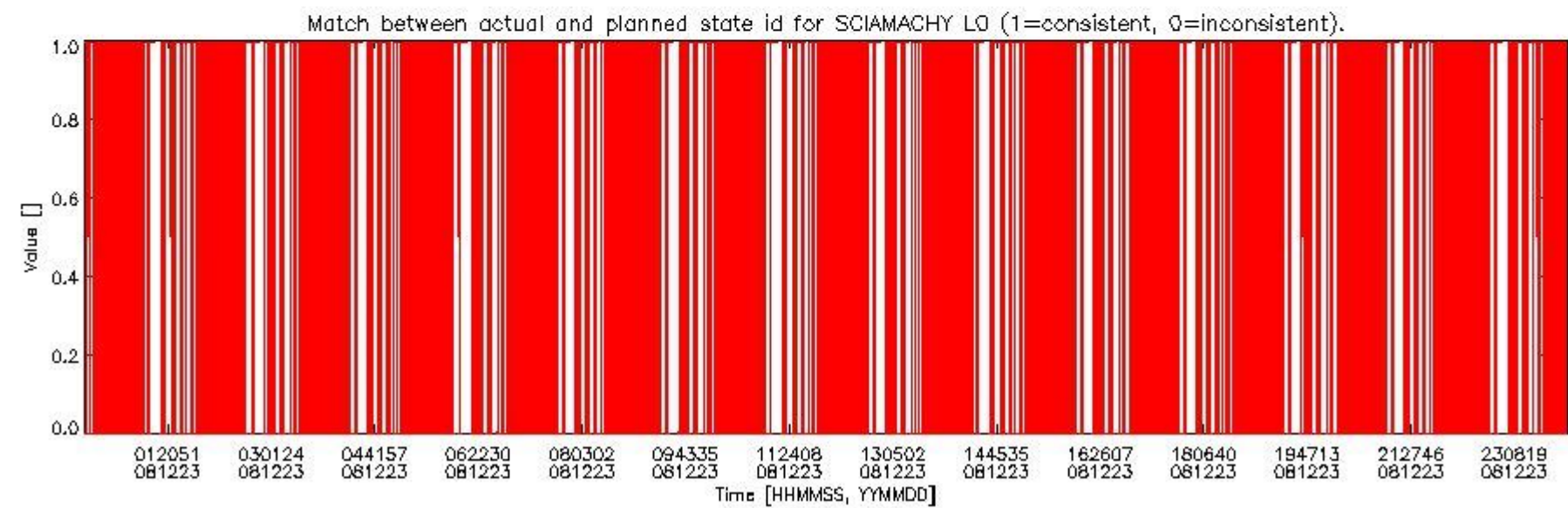
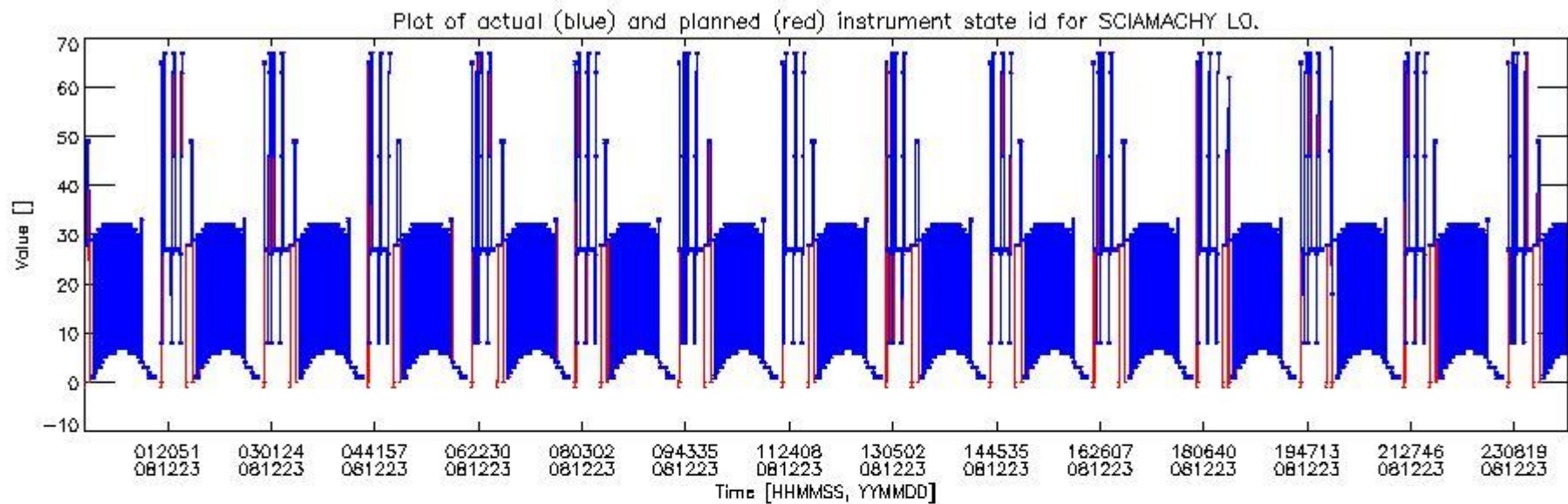


0.3 State monitoring

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: **47033**

#	Actual time	Actual value	Planned time	Planned value
0	23DEC2008 00:01:59.715102	49	23DEC2008 00:01:59.715102	28
1	23DEC2008 00:01:59.902588	49	23DEC2008 00:01:59.902588	28
2	23DEC2008 00:01:59.965111	49	23DEC2008 00:01:59.965111	28
3	23DEC2008 00:02:00.027593	49	23DEC2008 00:02:00.027593	28
4	23DEC2008 00:02:00.090115	49	23DEC2008 00:02:00.090115	28
5	23DEC2008 00:02:00.152597	49	23DEC2008 00:02:00.152597	28
6	23DEC2008 00:02:00.215079	49	23DEC2008 00:02:00.215079	28
7	23DEC2008 00:02:00.277601	49	23DEC2008 00:02:00.277601	28
8	23DEC2008 00:02:00.340084	49	23DEC2008 00:02:00.340084	28
9	23DEC2008 00:02:00.402606	49	23DEC2008 00:02:00.402606	28
10	23DEC2008 00:02:00.465088	49	23DEC2008 00:02:00.465088	28
11	23DEC2008 00:02:00.527610	49	23DEC2008 00:02:00.527610	28
12	23DEC2008 00:02:00.590092	49	23DEC2008 00:02:00.590092	28
13	23DEC2008 00:02:00.652615	49	23DEC2008 00:02:00.652615	28
14	23DEC2008 00:02:00.715097	49	23DEC2008 00:02:00.715097	28
15	23DEC2008 00:02:00.777579	49	23DEC2008 00:02:00.777579	28
16	23DEC2008 00:02:00.840101	49	23DEC2008 00:02:00.840101	28
17	23DEC2008 00:02:00.902583	49	23DEC2008 00:02:00.902583	28
18	23DEC2008 00:02:00.965105	49	23DEC2008 00:02:00.965105	28
19	23DEC2008 00:02:01.027587	49	23DEC2008 00:02:01.027587	28

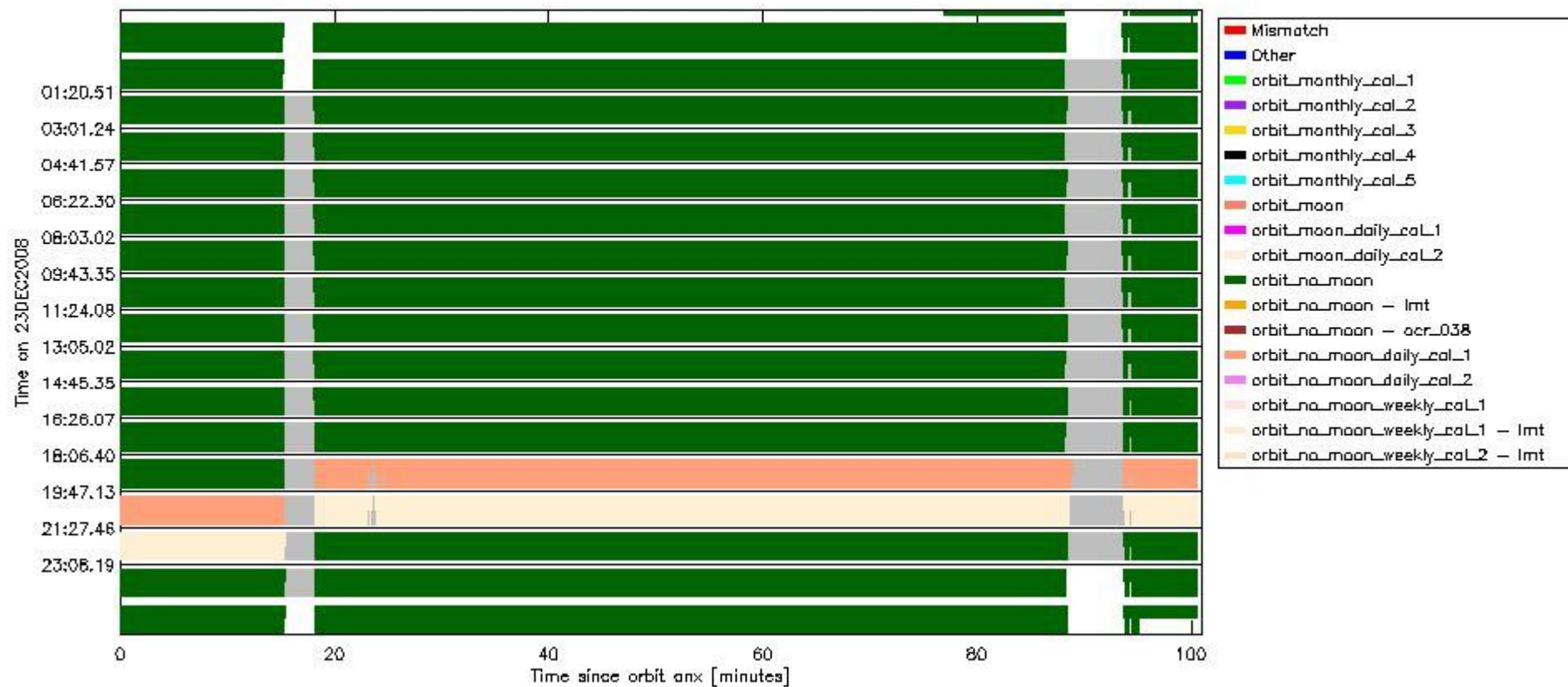


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081223_5.PNG

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 23DEC2008.
 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_20081223_6.PNG

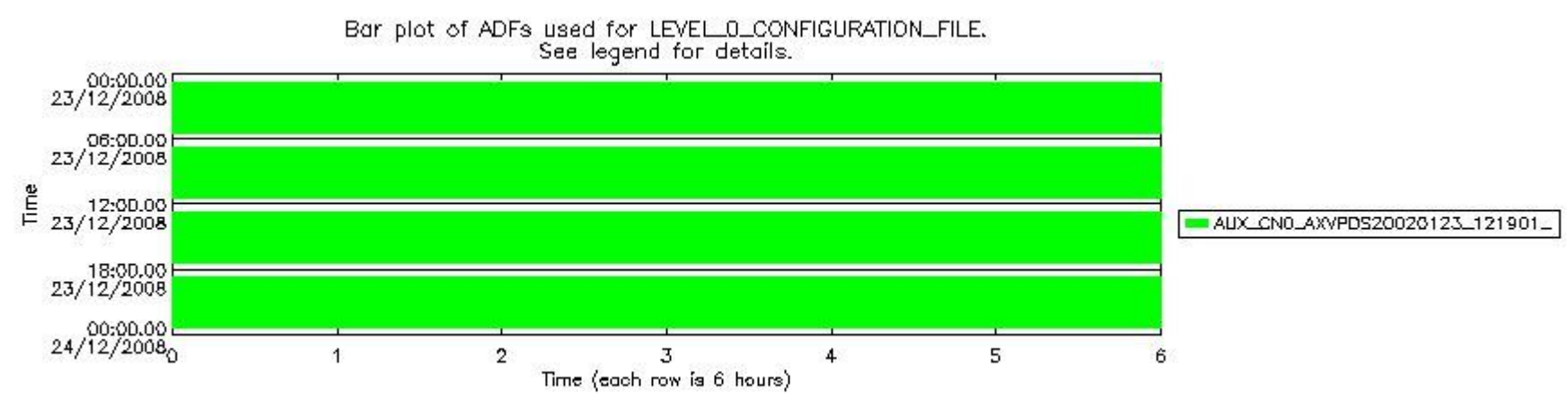
0.4 ADF monitoring

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

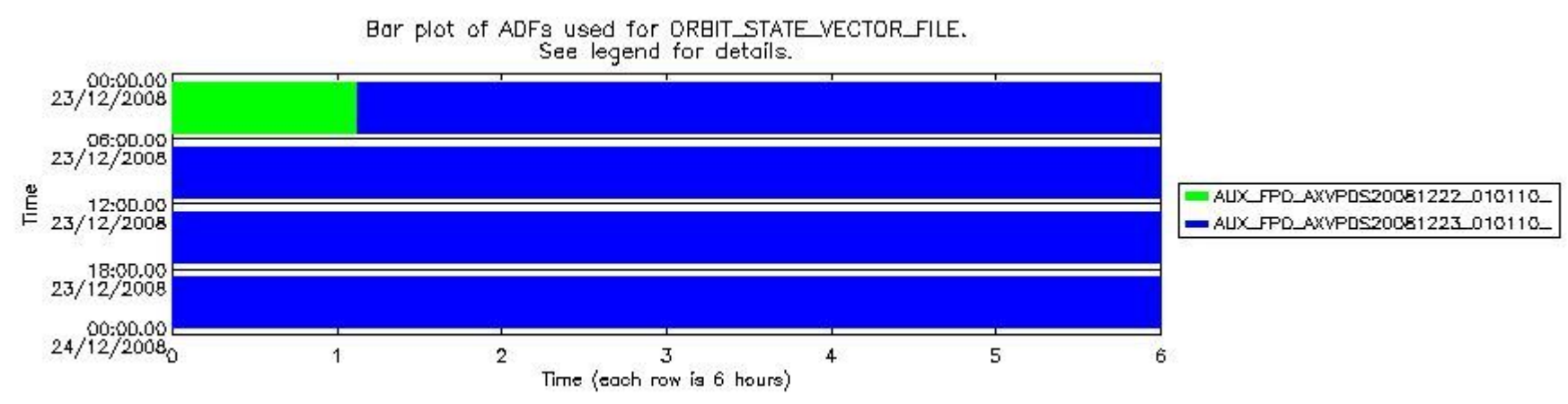
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

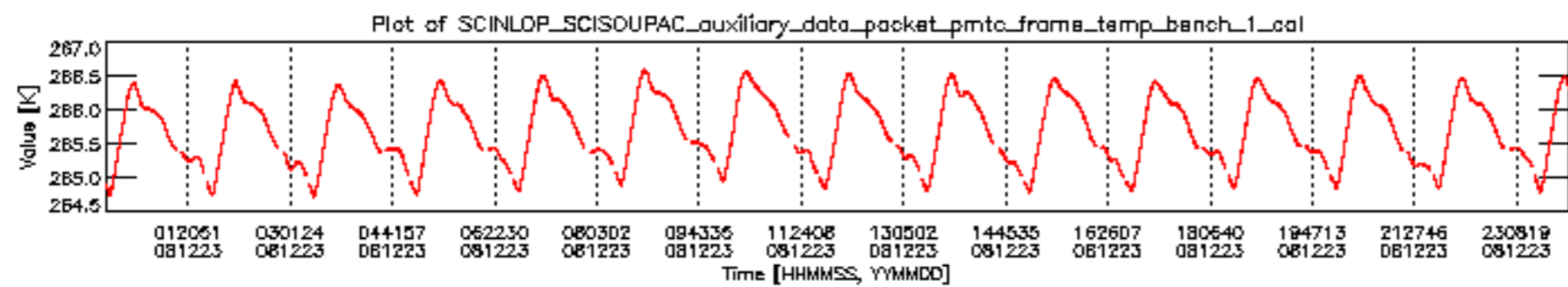
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081222_010110_20081221_190954_20081231_203608
2	AUX_FPO_AXVPDS20081223_010110_20081222_183817_20090101_200430

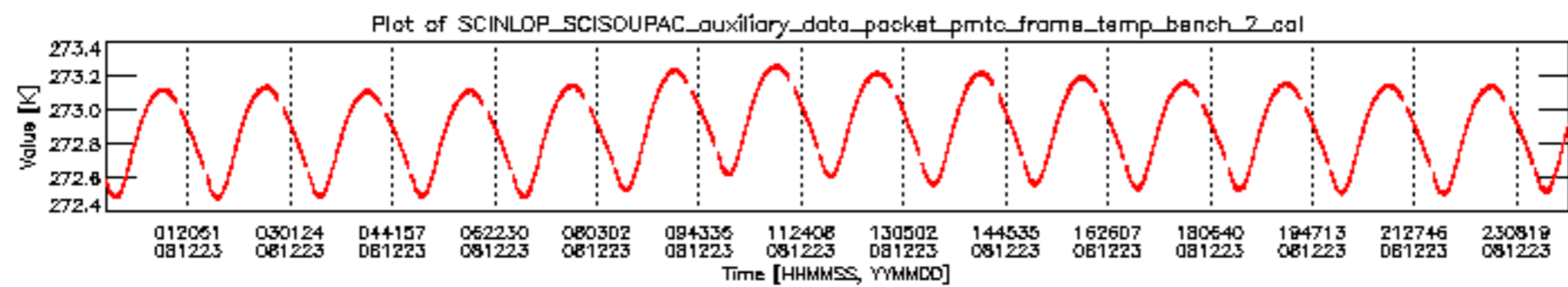


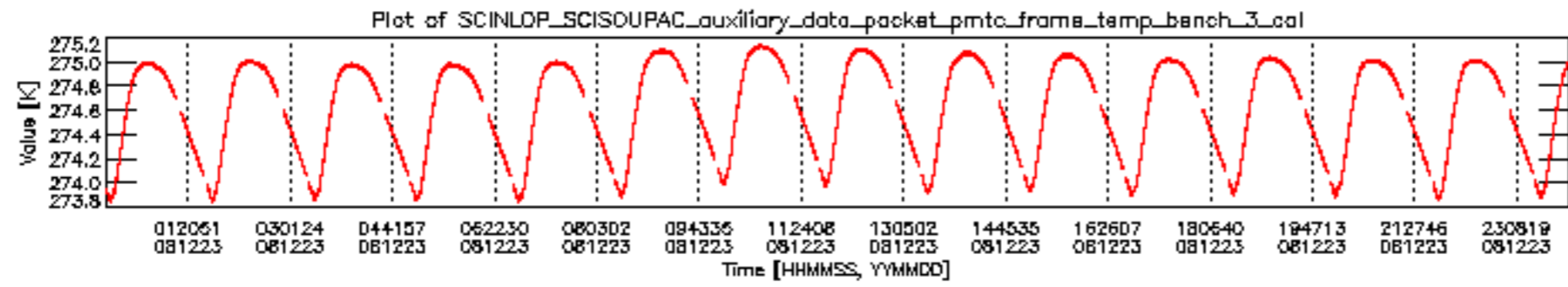
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081223_7.PNG

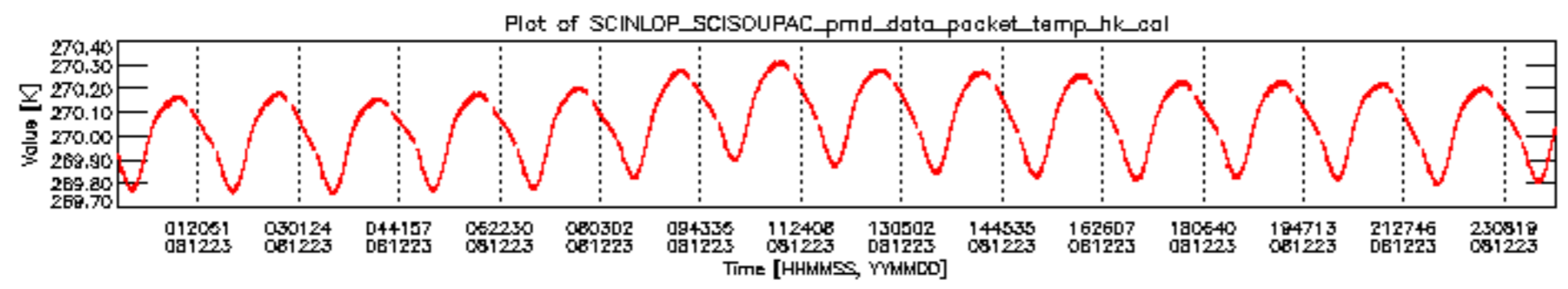


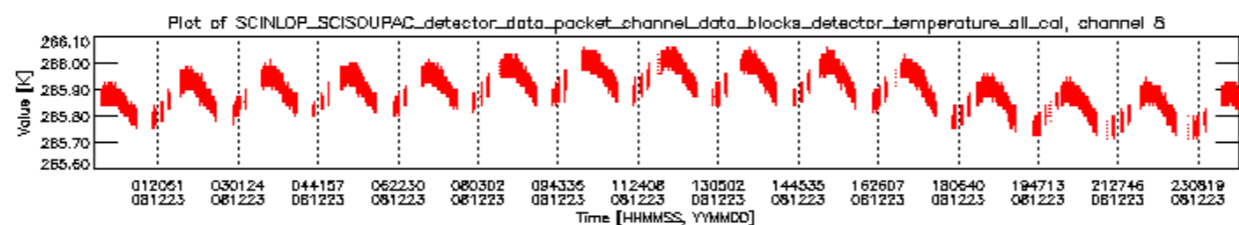
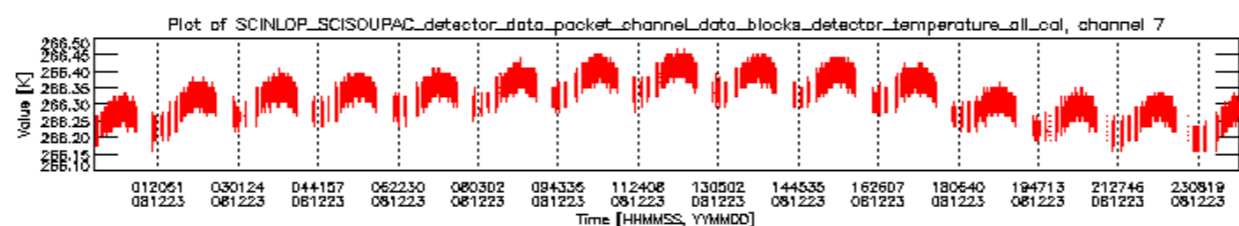
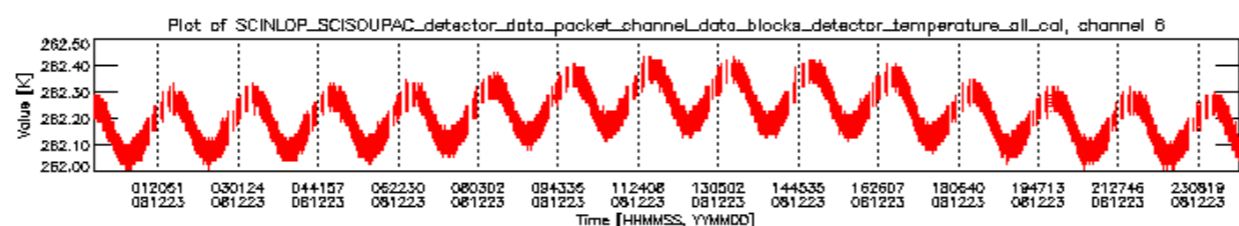
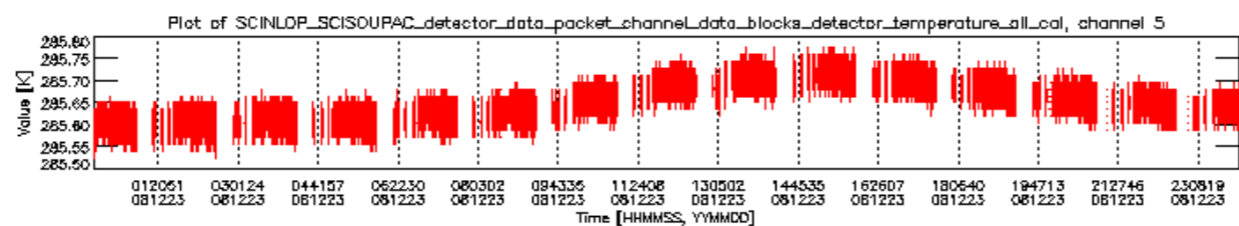
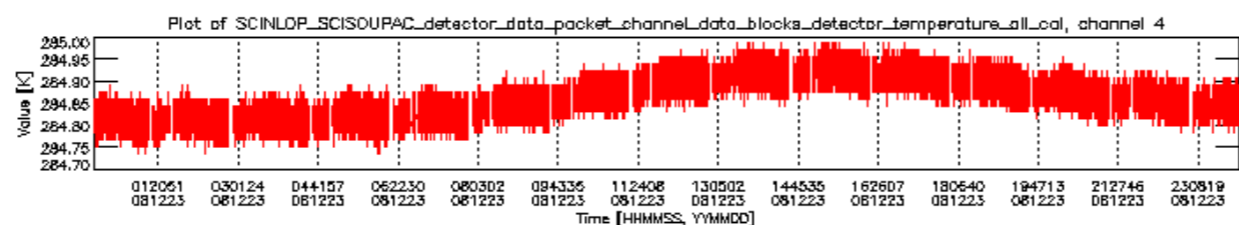
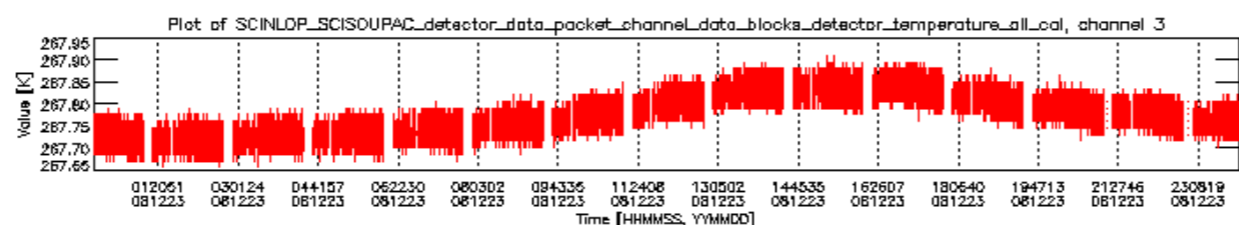
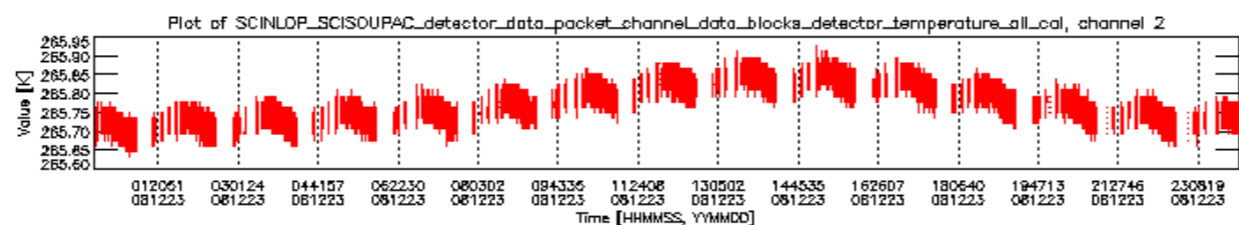
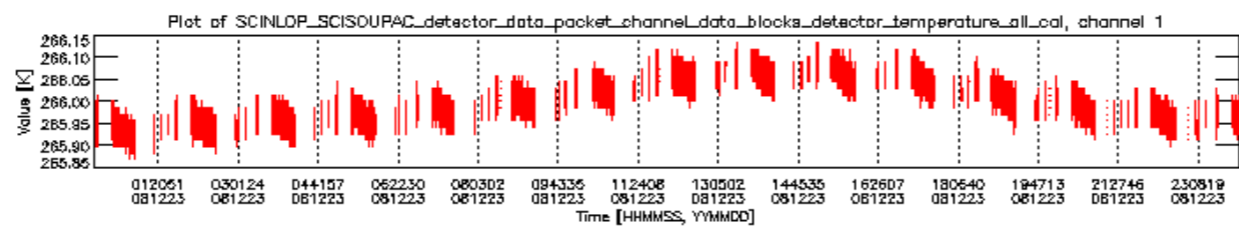
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081223_8.PNG

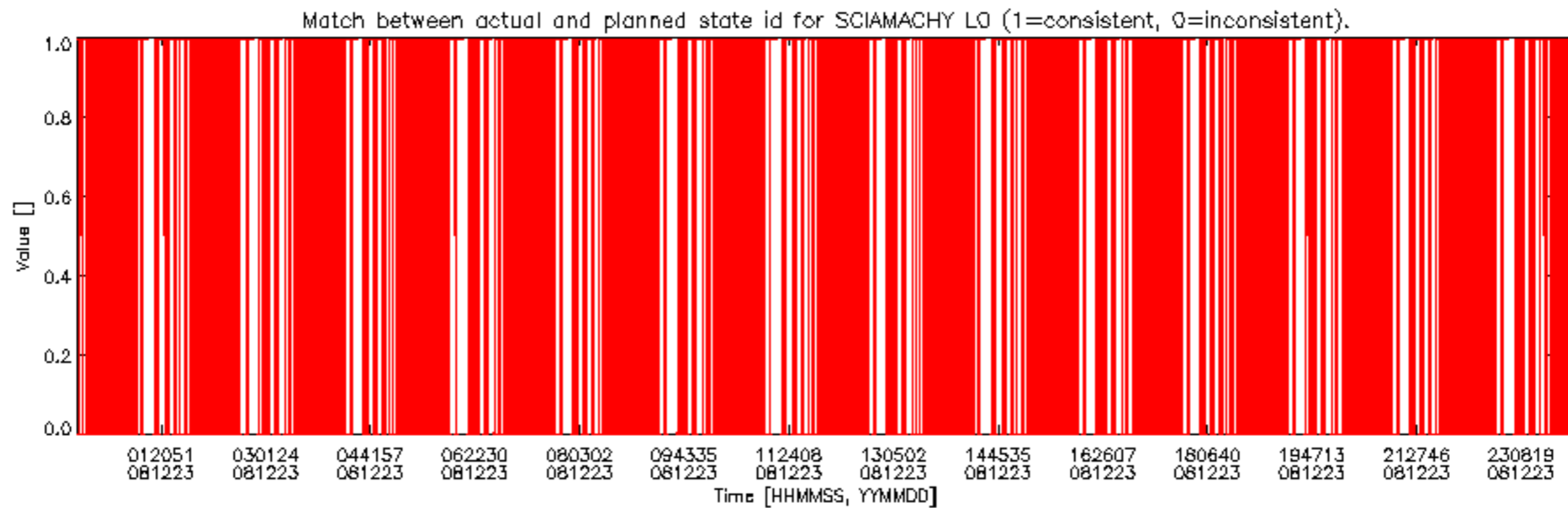
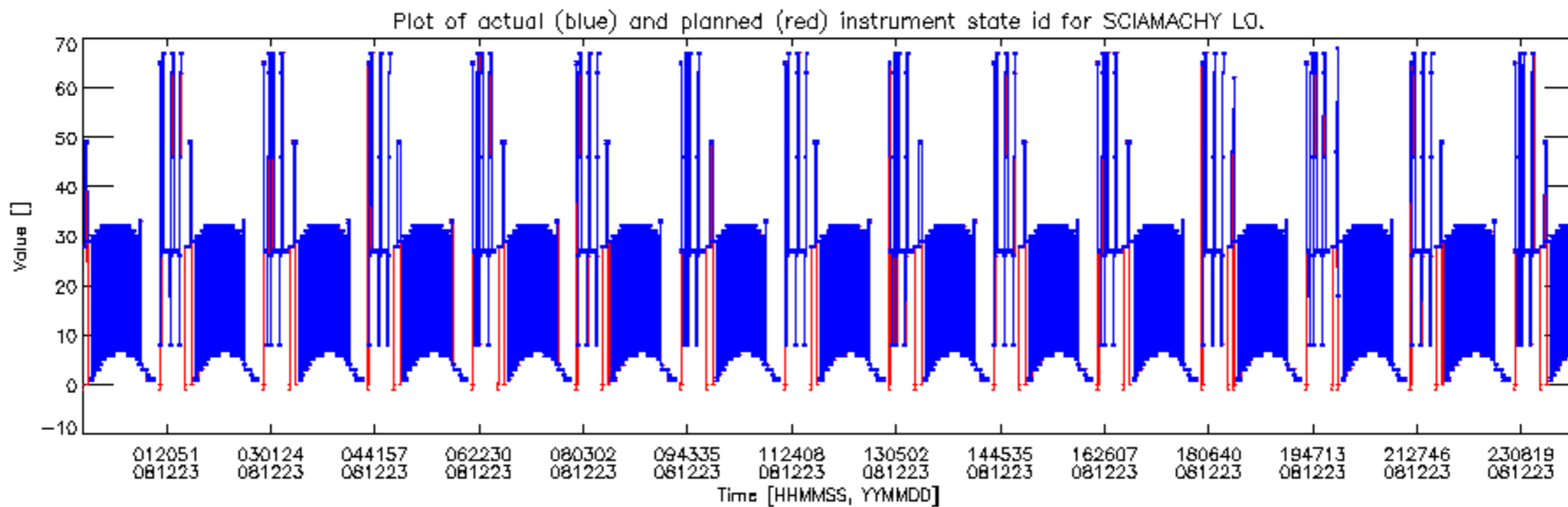












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