

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	24DEC2008 05:16:54
Data source version	KSPT_L0/4303-N
Processing scope for products	20DEC2008 00:00:00 to 21DEC2008 00:00:00
Start time of first product within scope	19DEC2008 23:20:49
Stop time of last product within scope	21DEC2008 00:30:00
Total number of level 0 products	16
Number of level 0 products with errors	0

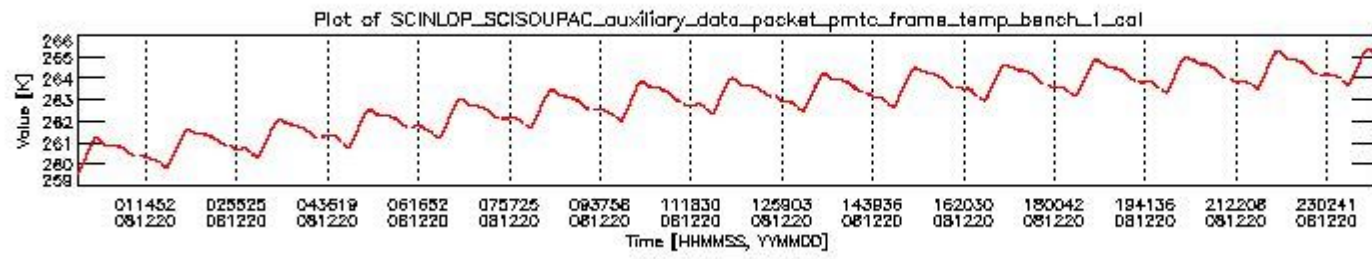
0.1.2 Summary per product

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

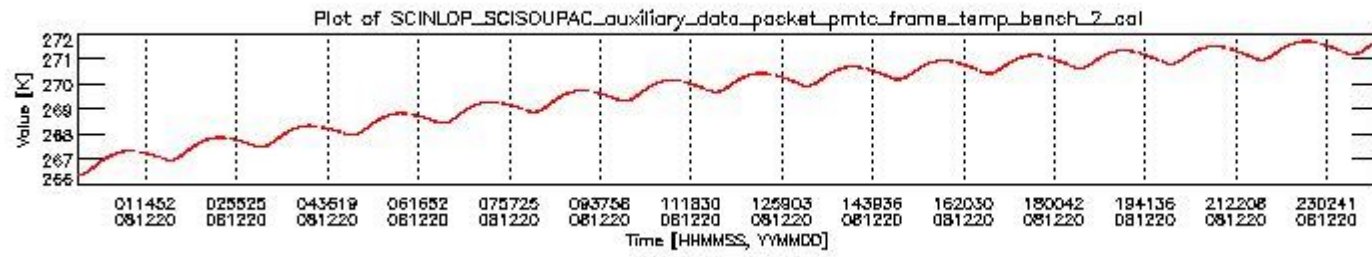
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081219_232049_000060492074_00459_35583_8130.N1	19DEC2008 23:20:49	20DEC2008 01:01:37	0	0	0	0	0
1	SCI_NL__OPNPDE20081220_010801_000042762074_00460_35584_8131.N1	20DEC2008 01:08:01	20DEC2008 02:19:17	0	0	0	0	0
2	SCI_NL__OPNPDE20081220_021917_000057872074_00461_35585_8132.N1	20DEC2008 02:19:17	20DEC2008 03:55:44	0	0	0	0	0
3	SCI_NL__OPNPDE20081220_035544_000060922074_00462_35586_8133.N1	20DEC2008 03:55:44	20DEC2008 05:37:16	0	0	0	0	0
4	SCI_NL__OPNPDE20081220_053620_000061052074_00463_35587_8134.N1	20DEC2008 05:36:20	20DEC2008 07:18:04	0	0	0	0	0
5	SCI_NL__OPNPDK20081220_071804_000040322074_00464_35588_0238.N1	20DEC2008 07:18:04	20DEC2008 08:25:17	0	0	0	0	0
6	SCI_NL__OPNPDK20081220_082421_000060362074_00465_35589_0239.N1	20DEC2008 08:24:21	20DEC2008 10:04:57	0	0	0	0	0
7	SCI_NL__OPNPDK20081220_100401_000059802074_00466_35590_0240.N1	20DEC2008 10:04:01	20DEC2008 11:43:41	0	0	0	0	0
8	SCI_NL__OPNPDK20081220_114027_000062862074_00467_35591_0241.N1	20DEC2008 11:40:27	20DEC2008 13:25:13	0	0	0	0	0
9	SCI_NL__OPNPDK20081220_132417_000058422074_00468_35592_0242.N1	20DEC2008 13:24:17	20DEC2008 15:01:39	0	0	0	0	0
10	SCI_NL__OPNPDK20081220_150139_000060362074_00469_35593_0243.N1	20DEC2008 15:01:39	20DEC2008 16:42:15	0	0	0	0	0
11	SCI_NL__OPNPDK20081220_164022_000057032074_00470_35594_0244.N1	20DEC2008 16:40:22	20DEC2008 18:15:25	0	0	0	0	0
12	SCI_NL__OPNPDK20081220_181525_000059972074_00471_35595_0245.N1	20DEC2008 18:15:25	20DEC2008 19:55:21	0	0	0	0	0
13	SCI_NL__OPNPDE20081220_195434_000042042074_00472_35596_8135.N1	20DEC2008 19:54:34	20DEC2008 21:04:38	0	0	0	0	0
14	SCI_NL__OPNPDE20081220_210330_000063422074_00472_35596_8136.N1	20DEC2008 21:03:30	20DEC2008 22:49:11	0	0	0	0	0
15	SCI_NL__OPNPDE20081220_225549_000056512074_00473_35597_8137.N1	20DEC2008 22:55:49	21DEC2008 00:30:00	0	0	0	0	0

0.2 Product Quality Indicators

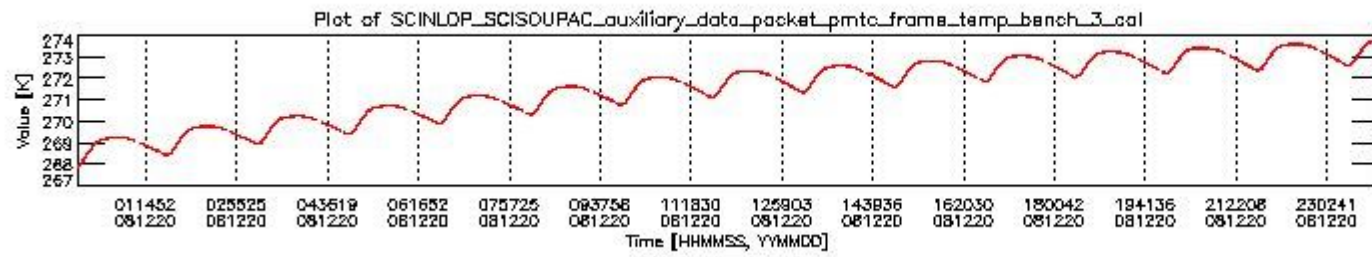
This section shows information about product quality, currently temperatures.



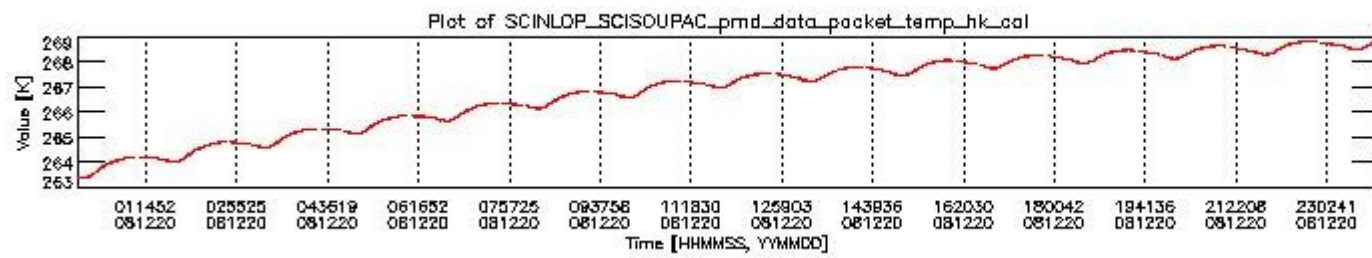
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081220_0.PNG



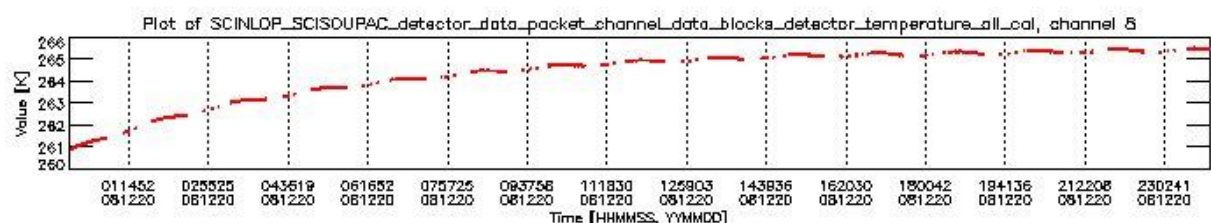
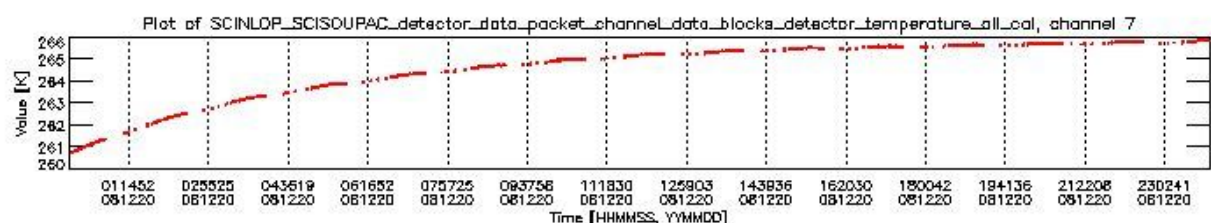
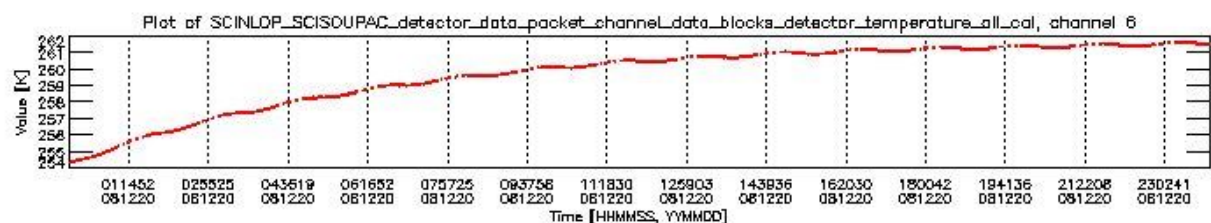
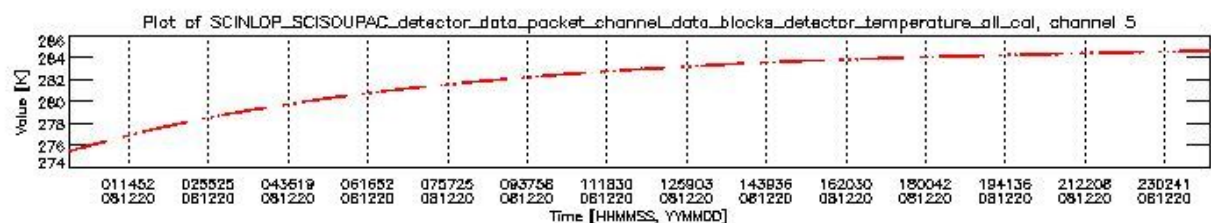
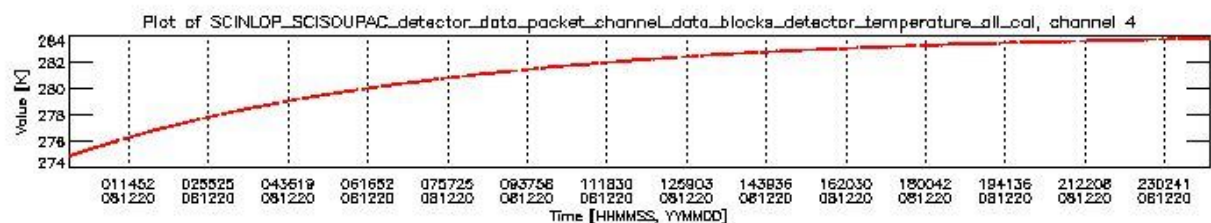
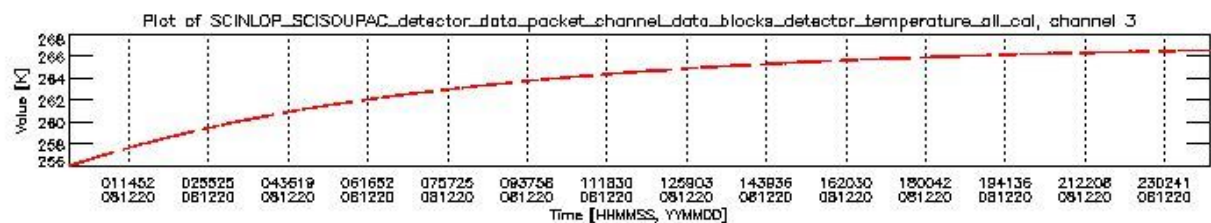
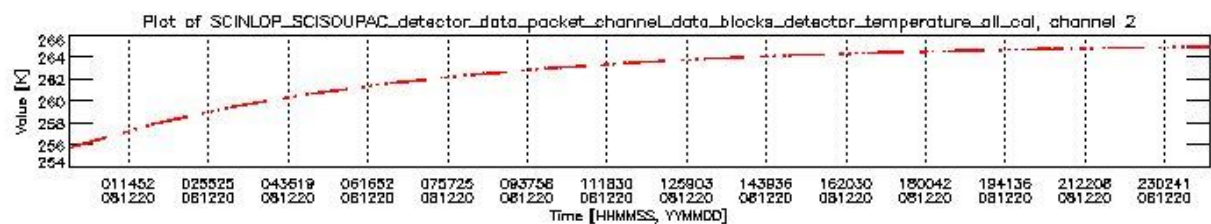
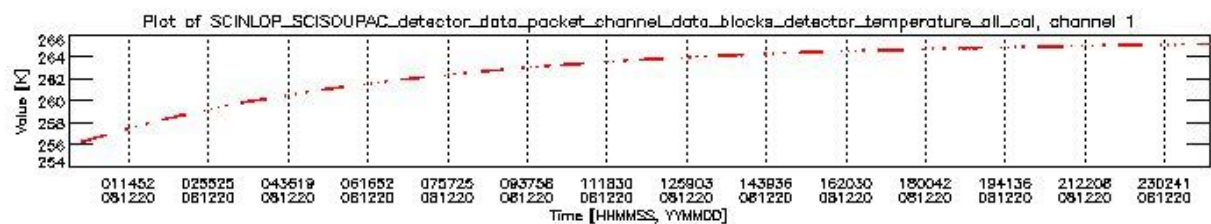
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20081220_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081220_3.PNG

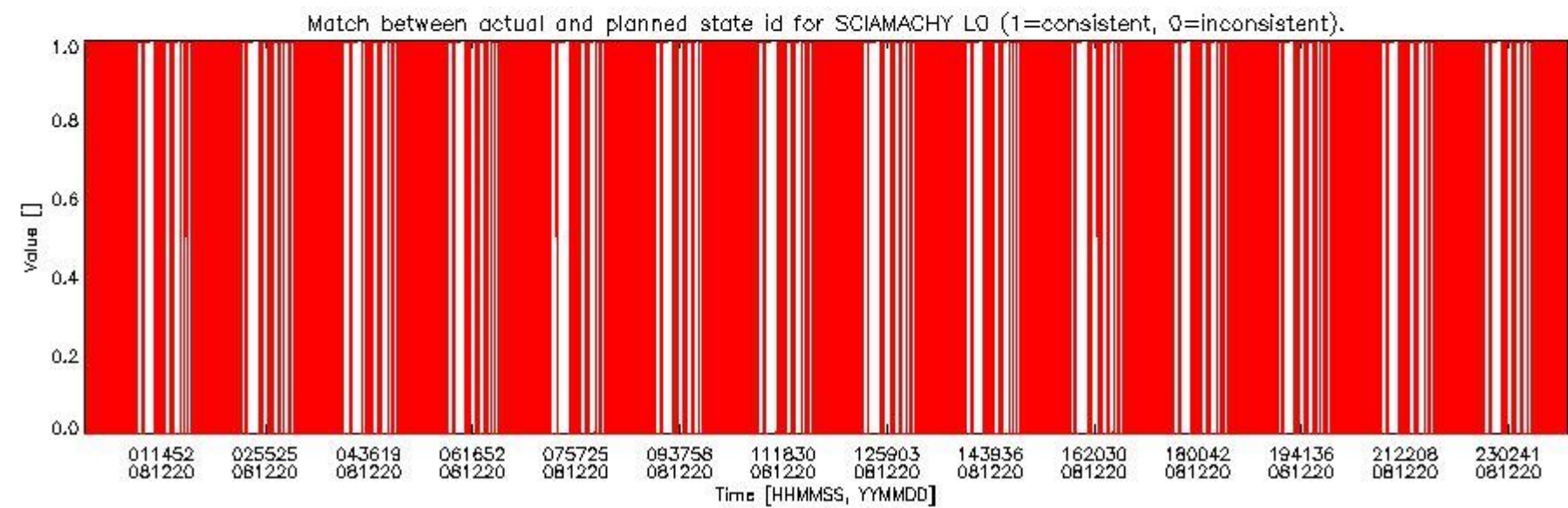
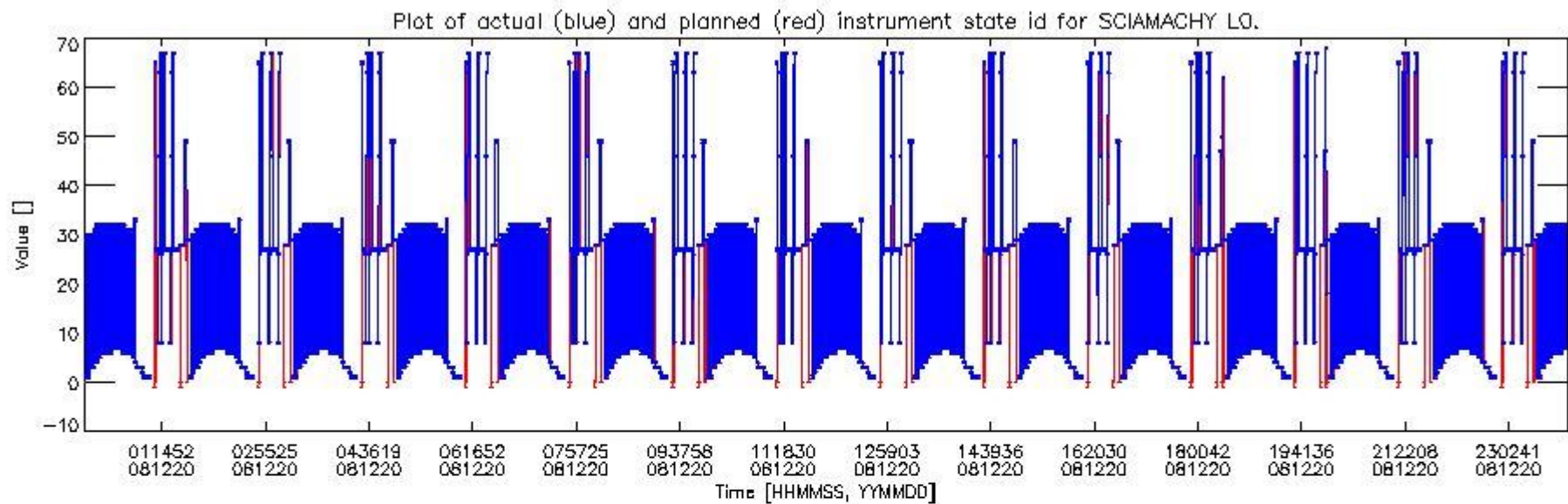


0.3 State monitoring

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: **47975**

#	Actual time	Actual value	Planned time	Planned value
0	20DEC2008 00:01:21.813034	1	20DEC2008 00:01:21.813034	29
1	20DEC2008 00:01:22.063003	1	20DEC2008 00:01:22.063003	29
2	20DEC2008 00:01:22.188007	1	20DEC2008 00:01:22.188007	29
3	20DEC2008 00:01:22.313012	1	20DEC2008 00:01:22.313012	29
4	20DEC2008 00:01:22.438016	1	20DEC2008 00:01:22.438016	29
5	20DEC2008 00:01:22.563020	1	20DEC2008 00:01:22.563020	29
6	20DEC2008 00:01:22.688025	1	20DEC2008 00:01:22.688025	29
7	20DEC2008 00:01:22.813029	1	20DEC2008 00:01:22.813029	29
8	20DEC2008 00:01:22.938033	1	20DEC2008 00:01:22.938033	29
9	20DEC2008 00:01:23.062997	1	20DEC2008 00:01:23.062997	29
10	20DEC2008 00:01:23.188002	1	20DEC2008 00:01:23.188002	29
11	20DEC2008 00:01:23.313006	1	20DEC2008 00:01:23.313006	29
12	20DEC2008 00:01:23.438011	1	20DEC2008 00:01:23.438011	29
13	20DEC2008 00:01:23.563015	1	20DEC2008 00:01:23.563015	29
14	20DEC2008 00:01:23.688019	1	20DEC2008 00:01:23.688019	29
15	20DEC2008 00:01:23.813024	1	20DEC2008 00:01:23.813024	29
16	20DEC2008 00:01:23.938028	1	20DEC2008 00:01:23.938028	29
17	20DEC2008 00:01:24.063032	1	20DEC2008 00:01:24.063032	29
18	20DEC2008 00:01:24.188037	1	20DEC2008 00:01:24.188037	29
19	20DEC2008 00:01:24.313001	1	20DEC2008 00:01:24.313001	29
...

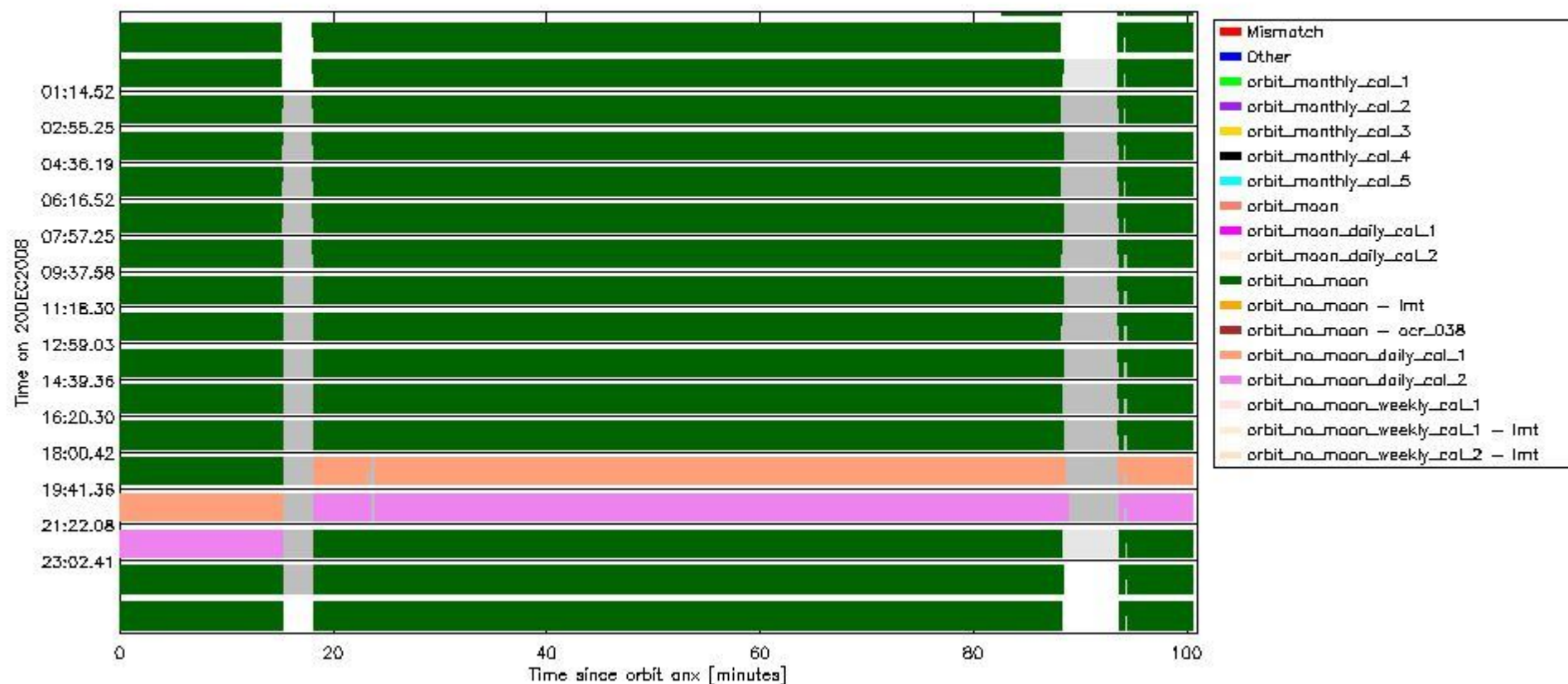


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081220_5.PNG

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 20DEC2008.
 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_20081220_6.PNG

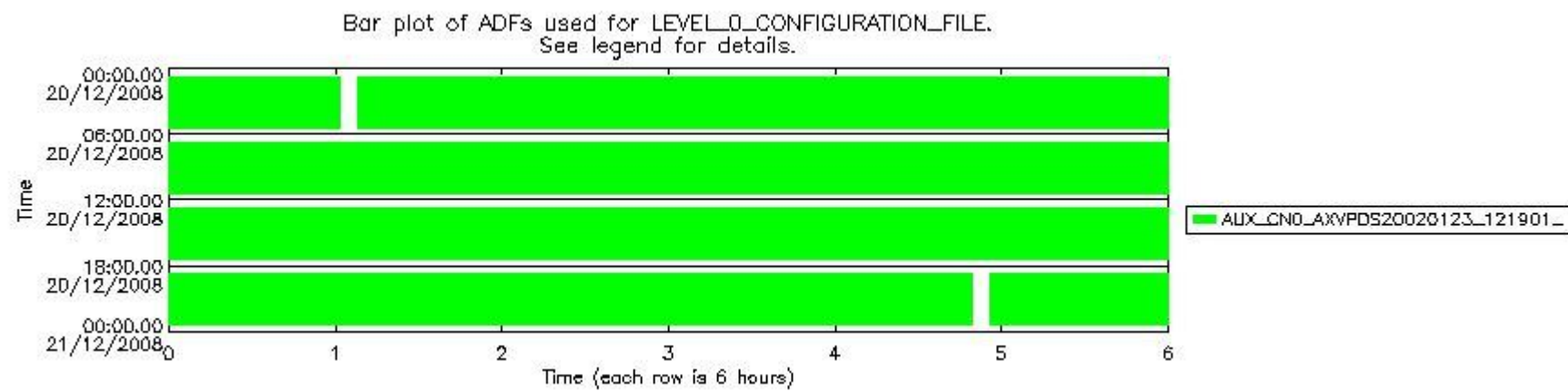
0.4 ADF monitoring

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

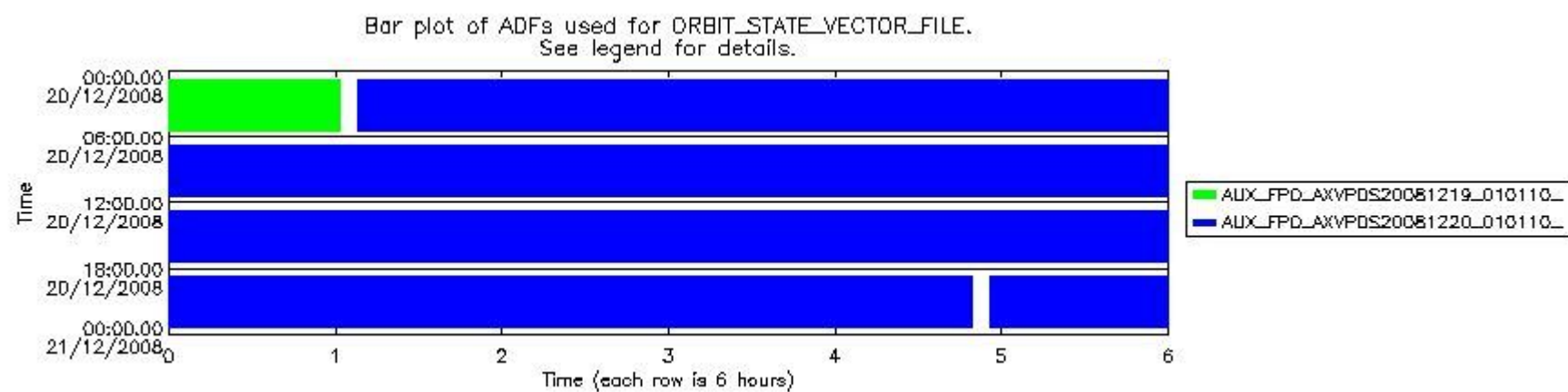
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

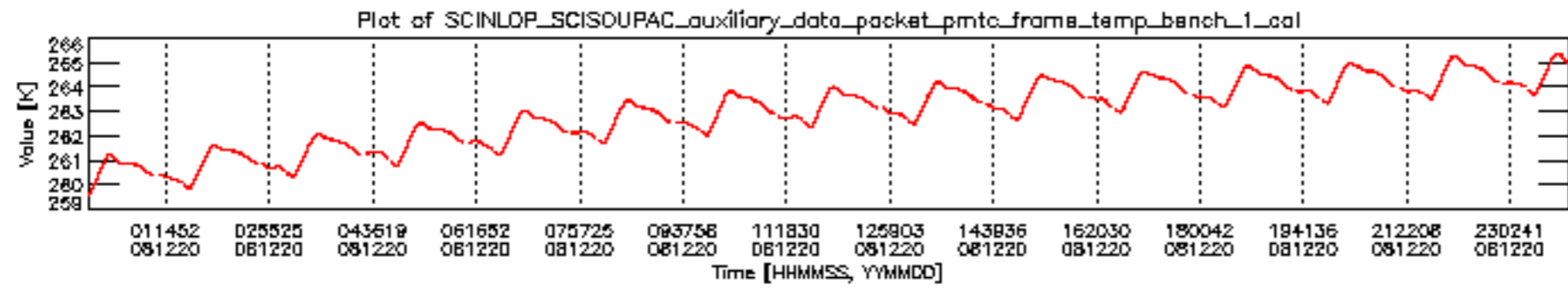
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081219_010110_20081218_122145_20081227_192124
2	AUX_FPO_AXVPDS20081220_010110_20081219_183232_20081229_213922

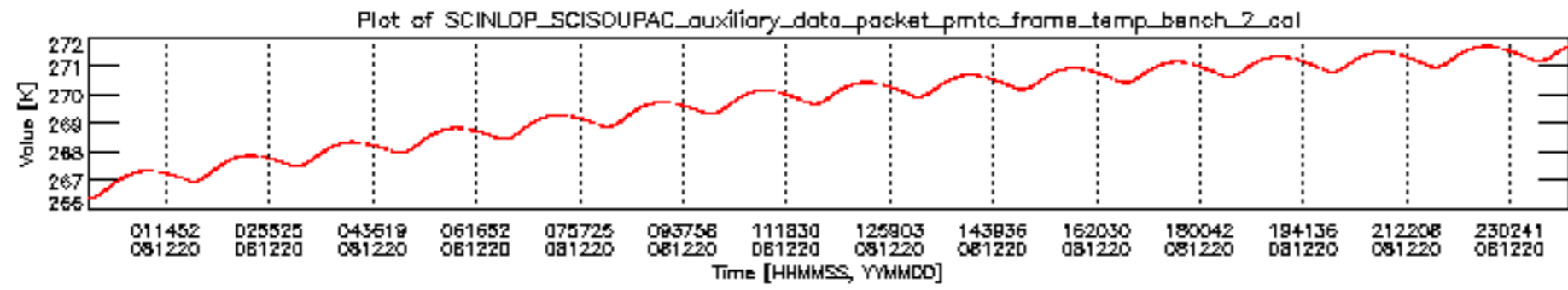


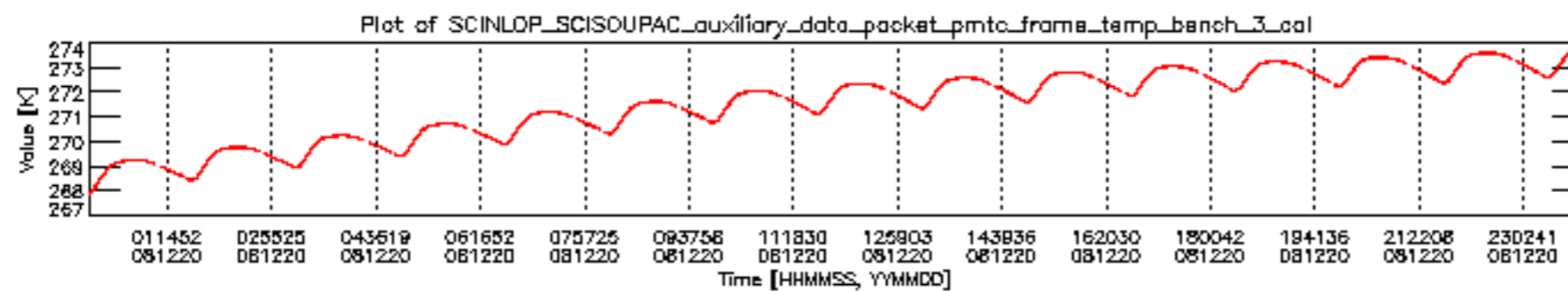
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081220_7.PNG

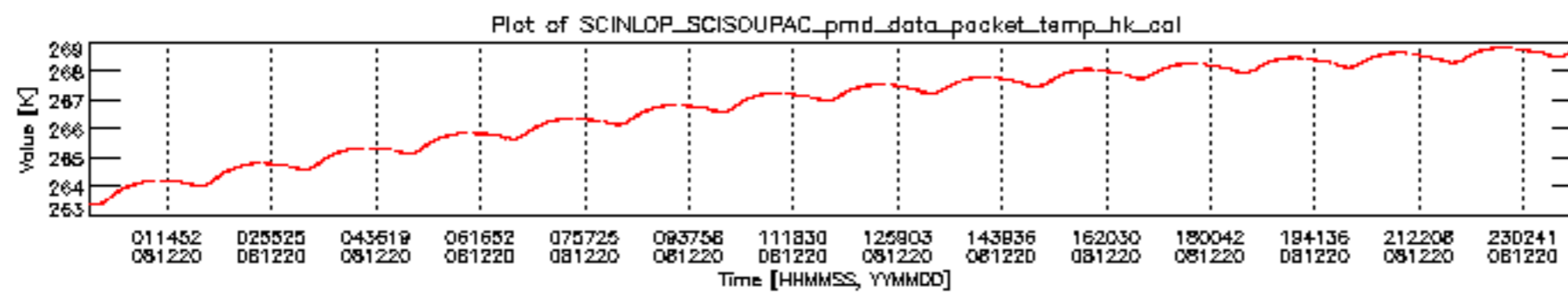


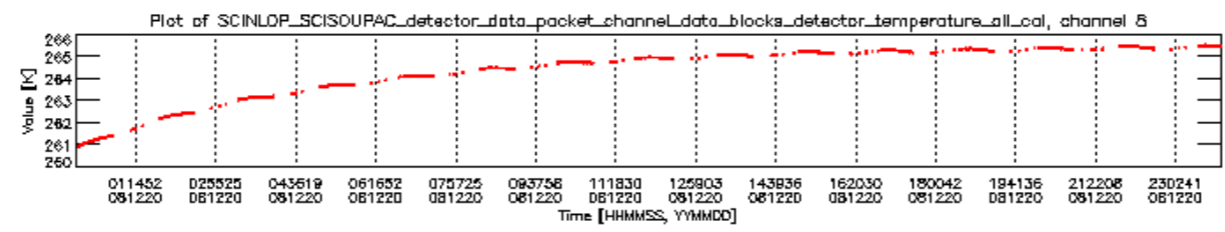
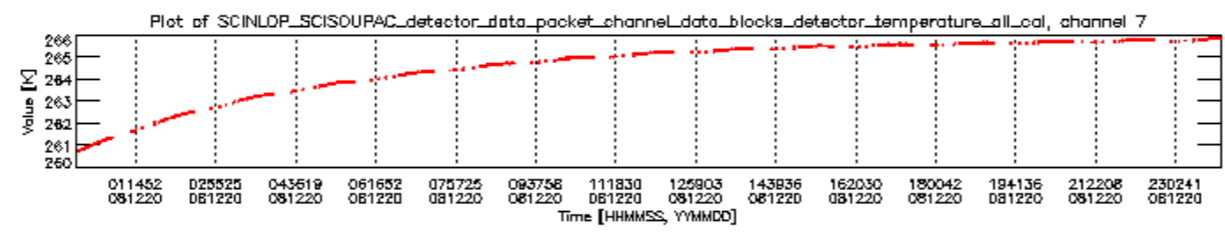
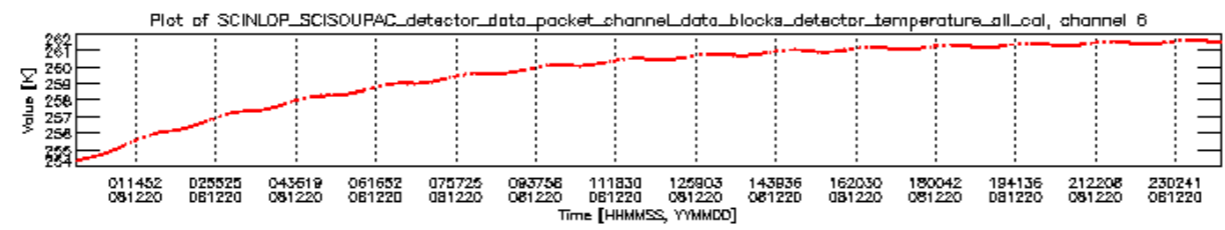
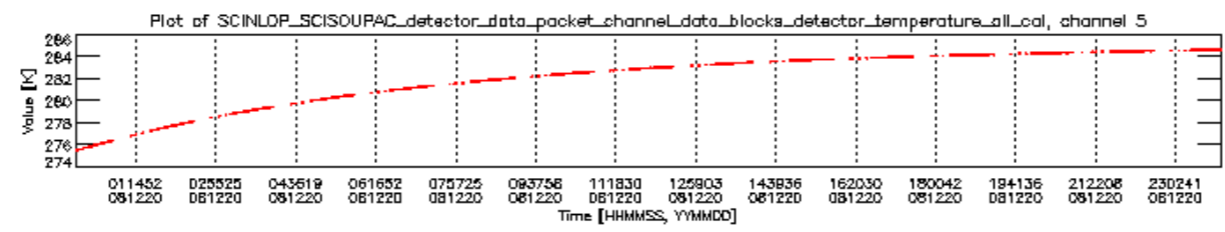
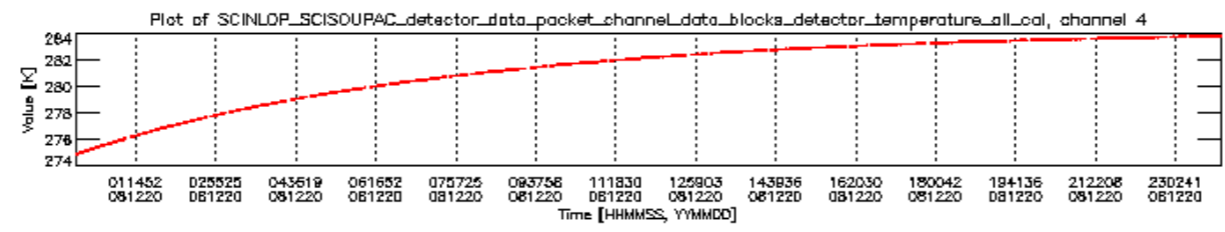
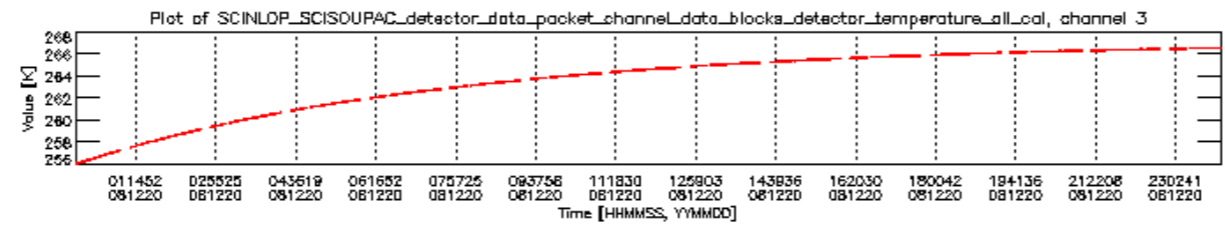
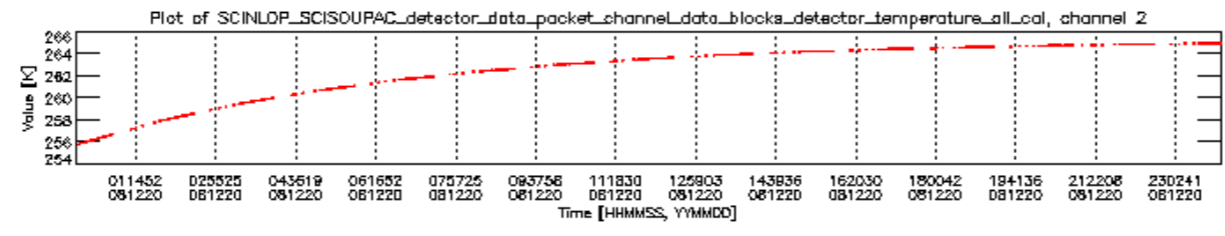
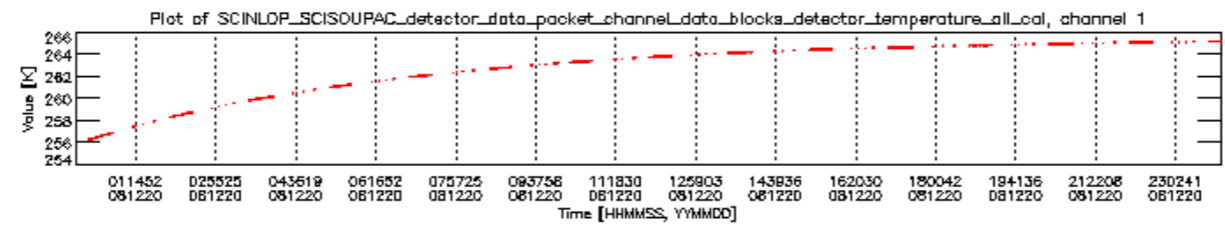
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081220_8.PNG

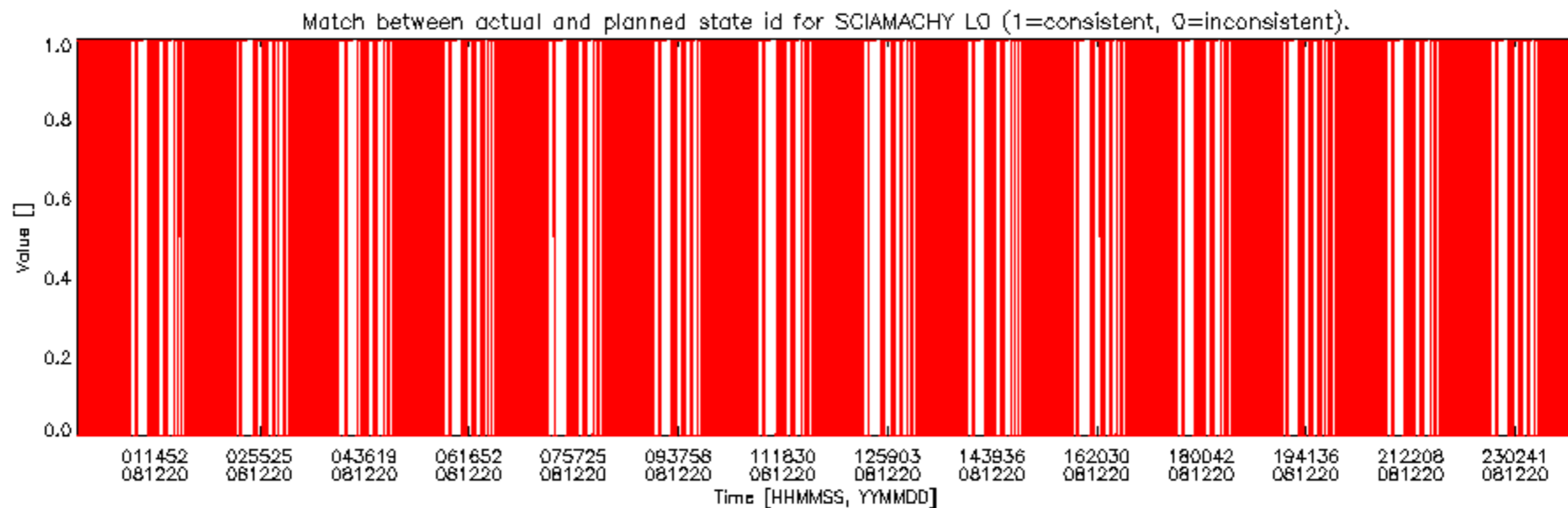
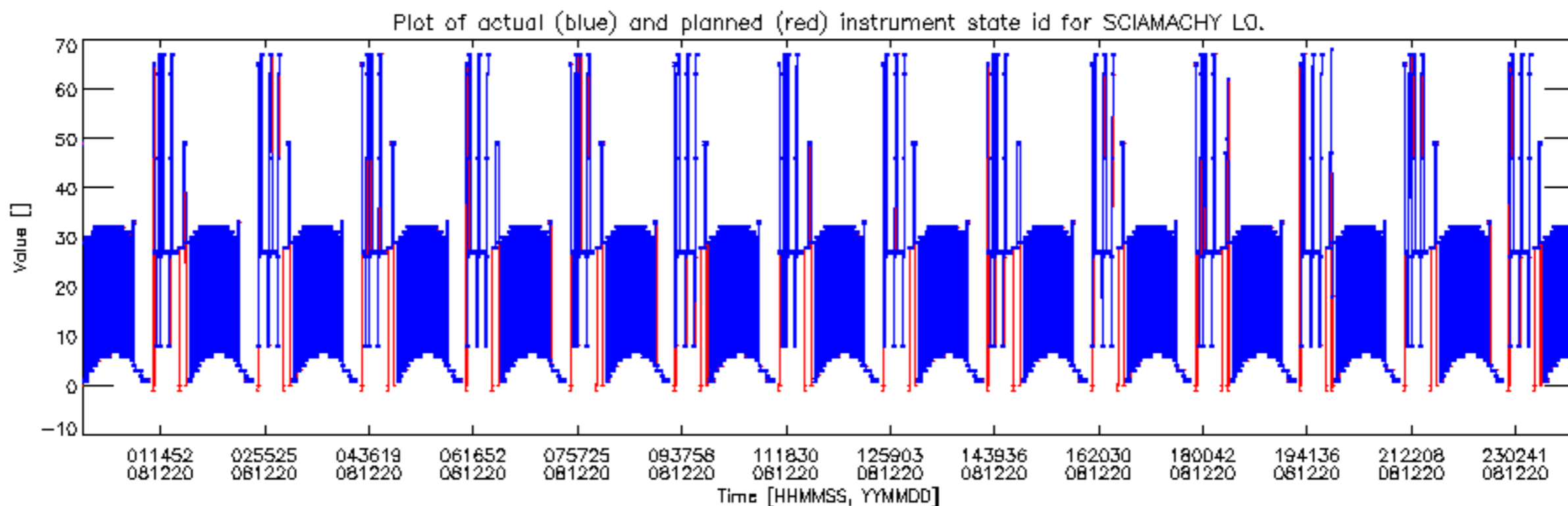












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 Each row indicates an orbit. A light gray colour indicates the time span of 20DEC2008.
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