

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	25DEC2008 05:49:09
Data source version	KSPT_L0/4303-N
Processing scope for products	21DEC2008 00:00:00 to 22DEC2008 00:00:00
Start time of first product within scope	20DEC2008 22:55:49
Stop time of last product within scope	21DEC2008 23:58:23
Total number of level 0 products	16
Number of level 0 products with errors	0

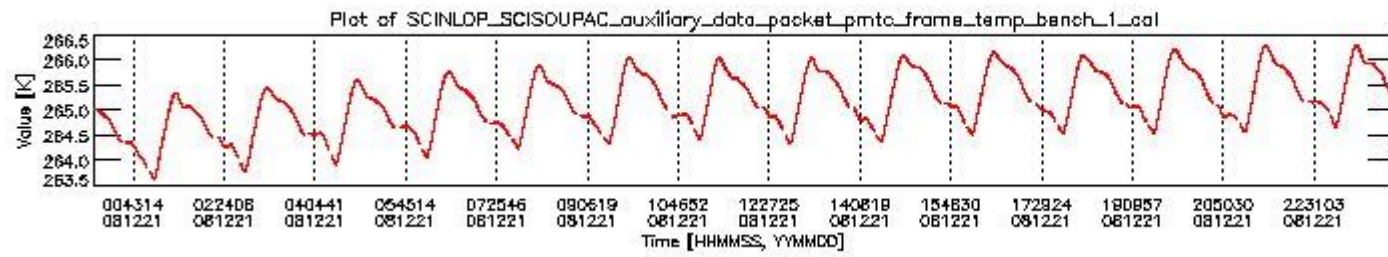
0.1.2 Summary per product

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

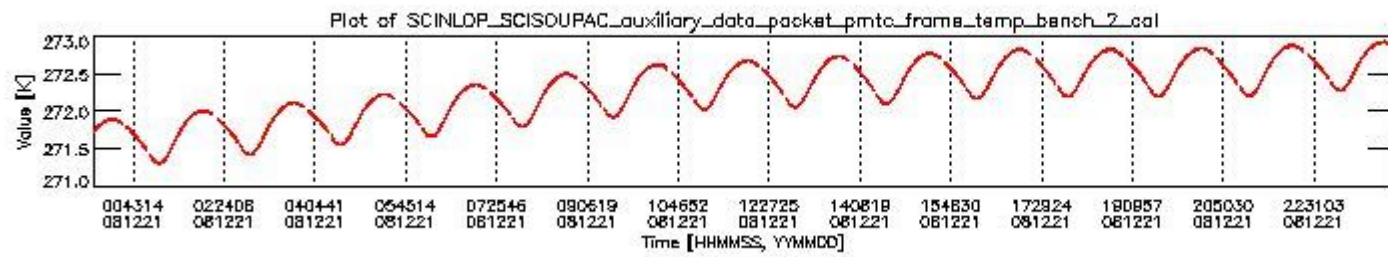
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081220_225549_000056512074_00473_35597_8137.N1	20DEC2008 22:55:49	21DEC2008 00:30:00	0	0	0	0	0
1	SCI_NL__OPNPDE20081221_003625_000055012074_00474_35598_8138.N1	21DEC2008 00:36:25	21DEC2008 02:08:06	0	0	0	0	0
2	SCI_NL__OPNPDE20081221_020658_000048782074_00475_35599_8139.N1	21DEC2008 02:06:58	21DEC2008 03:28:15	0	0	0	0	0
3	SCI_NL__OPNPDE20081221_032815_000058432074_00476_35600_8140.N1	21DEC2008 03:28:15	21DEC2008 05:05:38	0	0	0	0	0
4	SCI_NL__OPNPDE20081221_050443_000061052074_00477_35601_8141.N1	21DEC2008 05:04:43	21DEC2008 06:46:27	0	0	0	0	0
5	SCI_NL__OPNPDK20081221_064627_000041012074_00478_35602_0246.N1	21DEC2008 06:46:27	21DEC2008 07:54:48	0	0	0	0	0
6	SCI_NL__OPNPDK20081221_075339_000060492074_00479_35603_0247.N1	21DEC2008 07:53:39	21DEC2008 09:34:28	0	0	0	0	0
7	SCI_NL__OPNPDK20081221_093319_000061602074_00480_35604_0248.N1	21DEC2008 09:33:19	21DEC2008 11:16:00	0	0	0	0	0
8	SCI_NL__OPNPDK20081221_111355_000059802074_00481_35605_0249.N1	21DEC2008 11:13:55	21DEC2008 12:53:35	0	0	0	0	0
9	SCI_NL__OPNPDK20081221_125239_000058422074_00482_35606_0250.N1	21DEC2008 12:52:39	21DEC2008 14:30:01	0	0	0	0	0
10	SCI_NL__OPNPDK20081221_143001_000060362074_00483_35607_0251.N1	21DEC2008 14:30:01	21DEC2008 16:10:37	0	0	0	0	0
11	SCI_NL__OPNPDK20081221_161037_000058672074_00484_35608_0252.N1	21DEC2008 16:10:37	21DEC2008 17:48:25	0	0	0	0	0
12	SCI_NL__OPNPDK20081221_174729_000057762074_00485_35609_0253.N1	21DEC2008 17:47:29	21DEC2008 19:23:45	0	0	0	0	0
13	SCI_NL__OPNPDK20081221_192345_000060752074_00486_35610_0254.N1	21DEC2008 19:23:45	21DEC2008 21:05:01	0	0	0	0	0
14	SCI_NL__OPNPDE20081221_210841_000041332074_00487_35611_8142.N1	21DEC2008 21:08:41	21DEC2008 22:17:34	0	0	0	0	0
15	SCI_NL__OPNPDE20081221_221734_000060492074_00487_35611_8143.N1	21DEC2008 22:17:34	21DEC2008 23:58:23	0	0	0	0	0

0.2 Product Quality Indicators

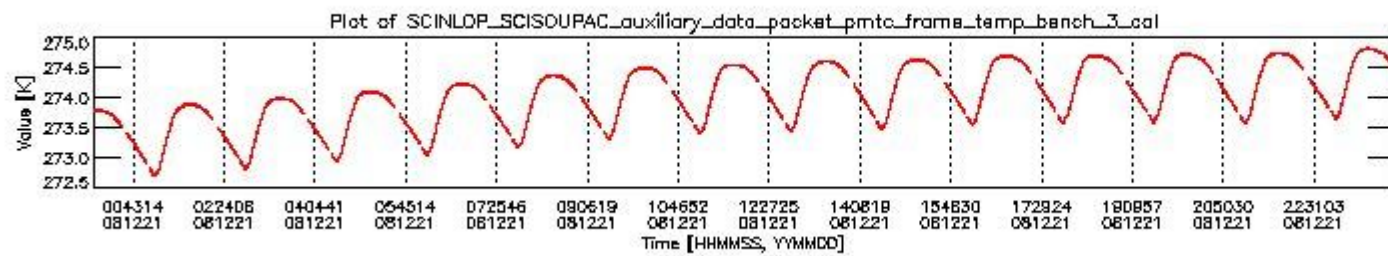
This section shows information about product quality, currently temperatures.



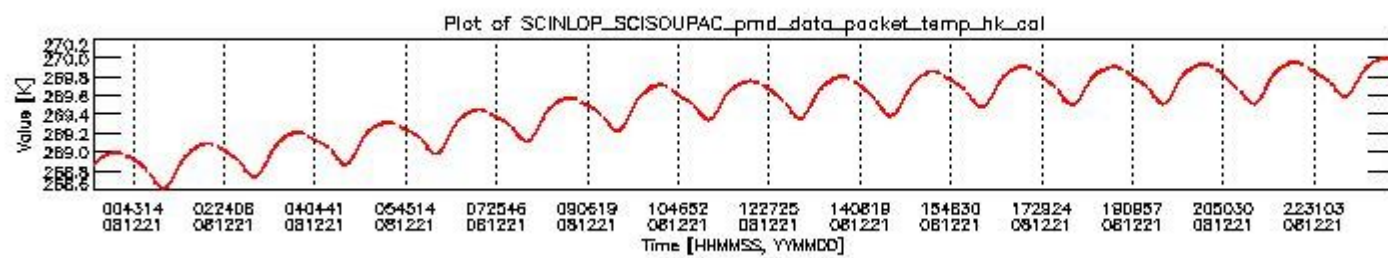
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081221_0.PNG



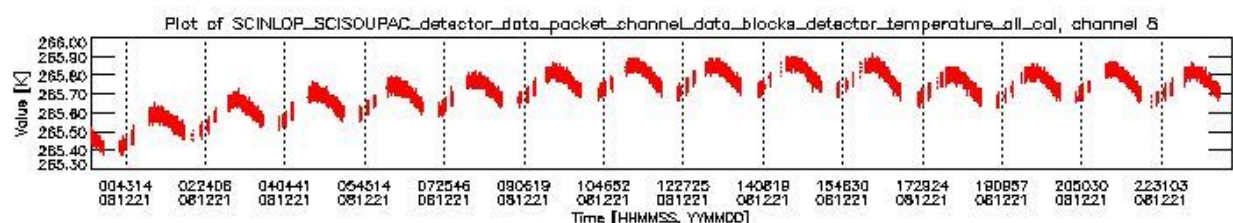
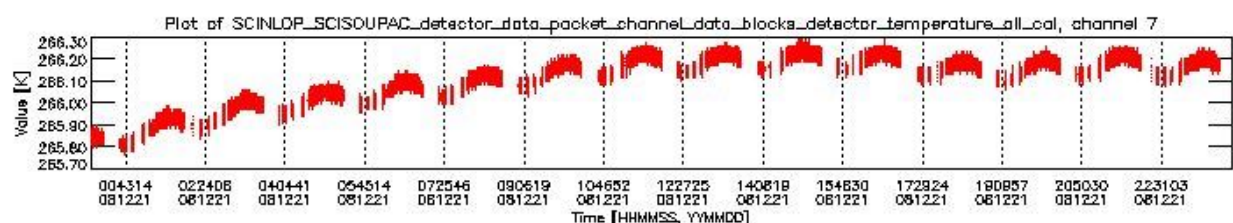
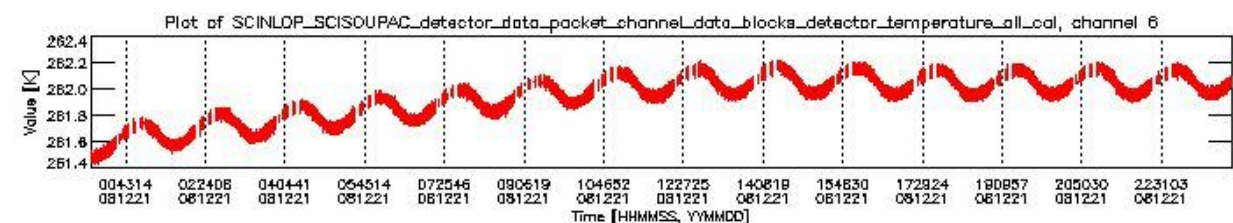
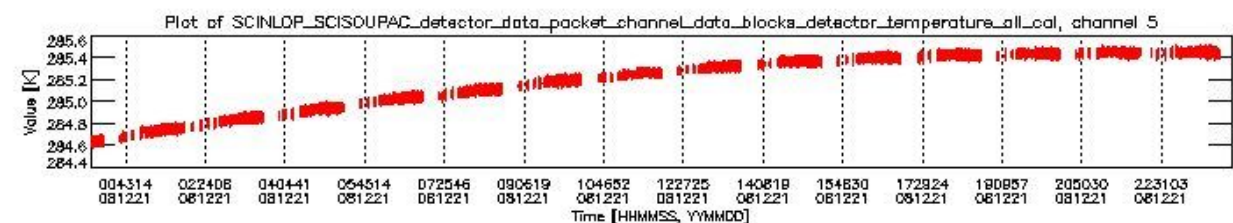
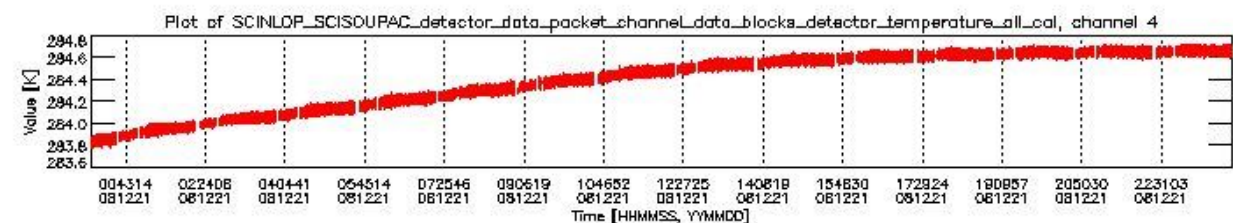
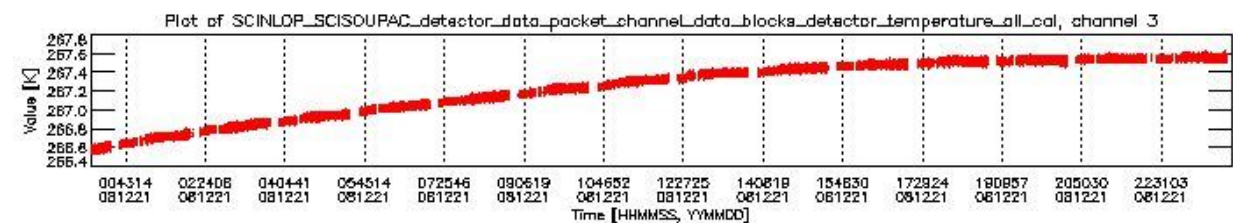
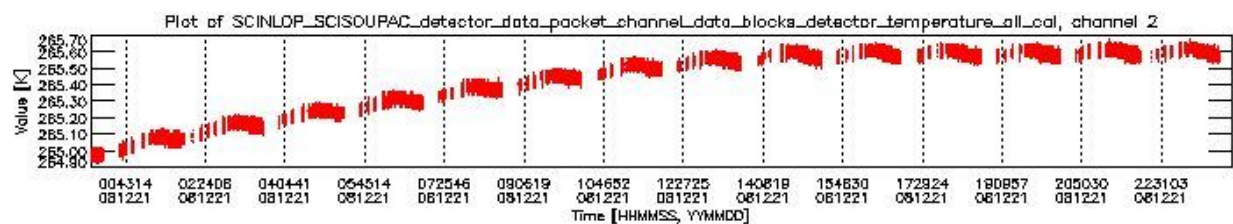
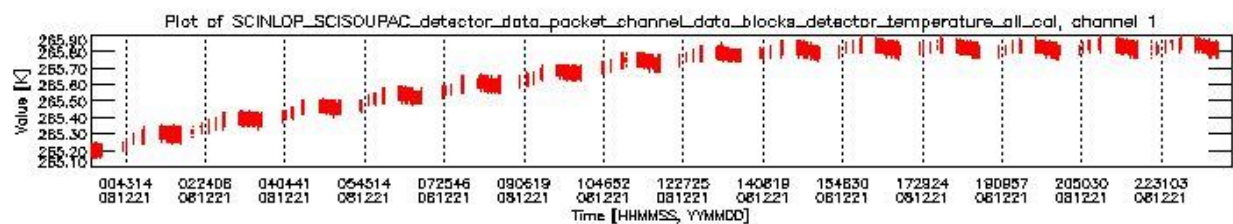
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081221_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081221_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081221_3.PNG

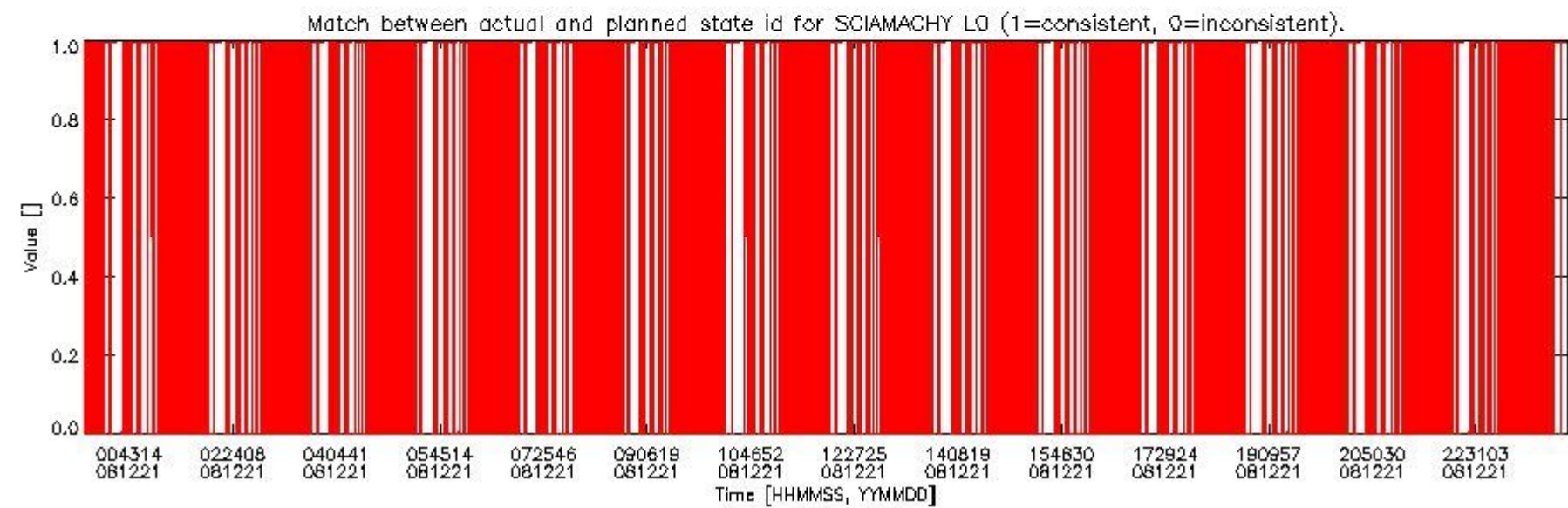
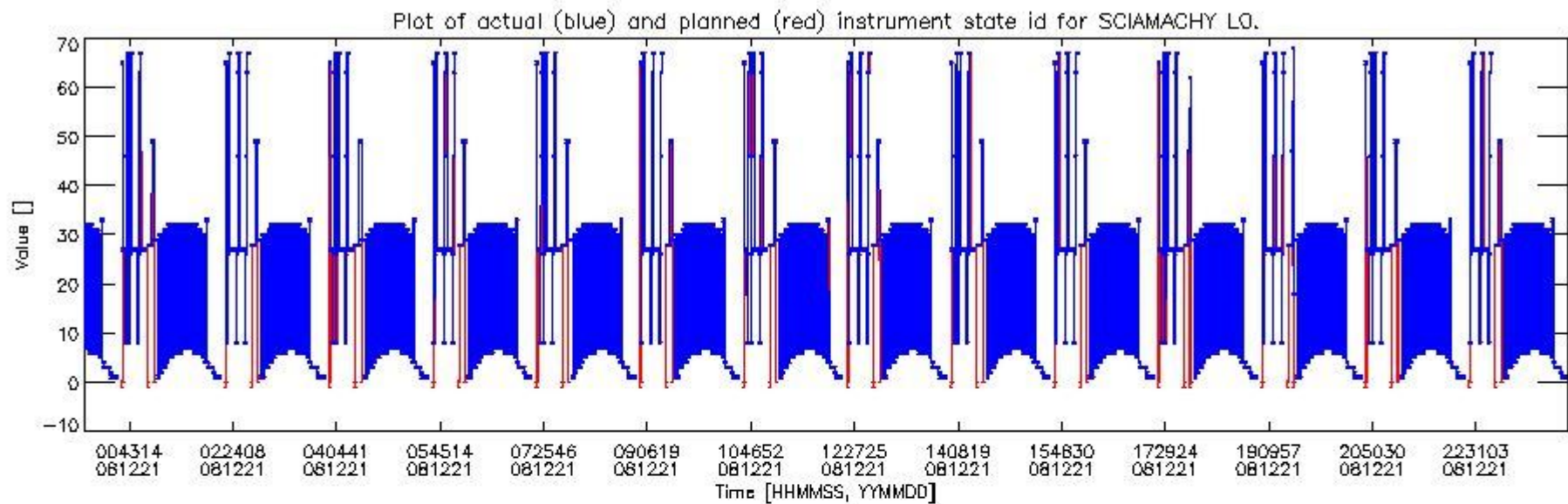


0.3 State monitoring

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: **47243**

#	Actual time	Actual value	Planned time	Planned value
0	21DEC2008 00:00:00.069402	32	21DEC2008 00:00:00.069402	7
1	21DEC2008 00:00:00.381933	32	21DEC2008 00:00:00.381933	7
2	21DEC2008 00:00:00.756906	32	21DEC2008 00:00:00.756906	7
3	21DEC2008 00:00:01.131919	32	21DEC2008 00:00:01.131919	7
4	21DEC2008 00:00:01.506932	32	21DEC2008 00:00:01.506932	7
5	21DEC2008 00:00:02.069432	32	21DEC2008 00:00:02.069432	7
6	21DEC2008 00:00:02.444404	32	21DEC2008 00:00:02.444404	7
7	21DEC2008 00:00:02.819417	32	21DEC2008 00:00:02.819417	7
8	21DEC2008 00:00:03.194430	32	21DEC2008 00:00:03.194430	7
9	21DEC2008 00:00:03.756930	32	21DEC2008 00:00:03.756930	7
10	21DEC2008 00:00:04.131903	32	21DEC2008 00:00:04.131903	7
11	21DEC2008 00:00:04.506916	32	21DEC2008 00:00:04.506916	7
12	21DEC2008 00:00:04.881929	32	21DEC2008 00:00:04.881929	7
13	21DEC2008 00:00:05.069415	32	21DEC2008 00:00:05.069415	7
14	21DEC2008 00:00:50.944443	7	21DEC2008 00:00:50.944443	32
15	21DEC2008 00:00:51.319416	7	21DEC2008 00:00:51.319416	32
16	21DEC2008 00:00:51.569425	7	21DEC2008 00:00:51.569425	32
17	21DEC2008 00:00:51.819433	7	21DEC2008 00:00:51.819433	32
18	21DEC2008 00:00:52.069442	7	21DEC2008 00:00:52.069442	32
19	21DEC2008 00:00:52.319410	7	21DEC2008 00:00:52.319410	32

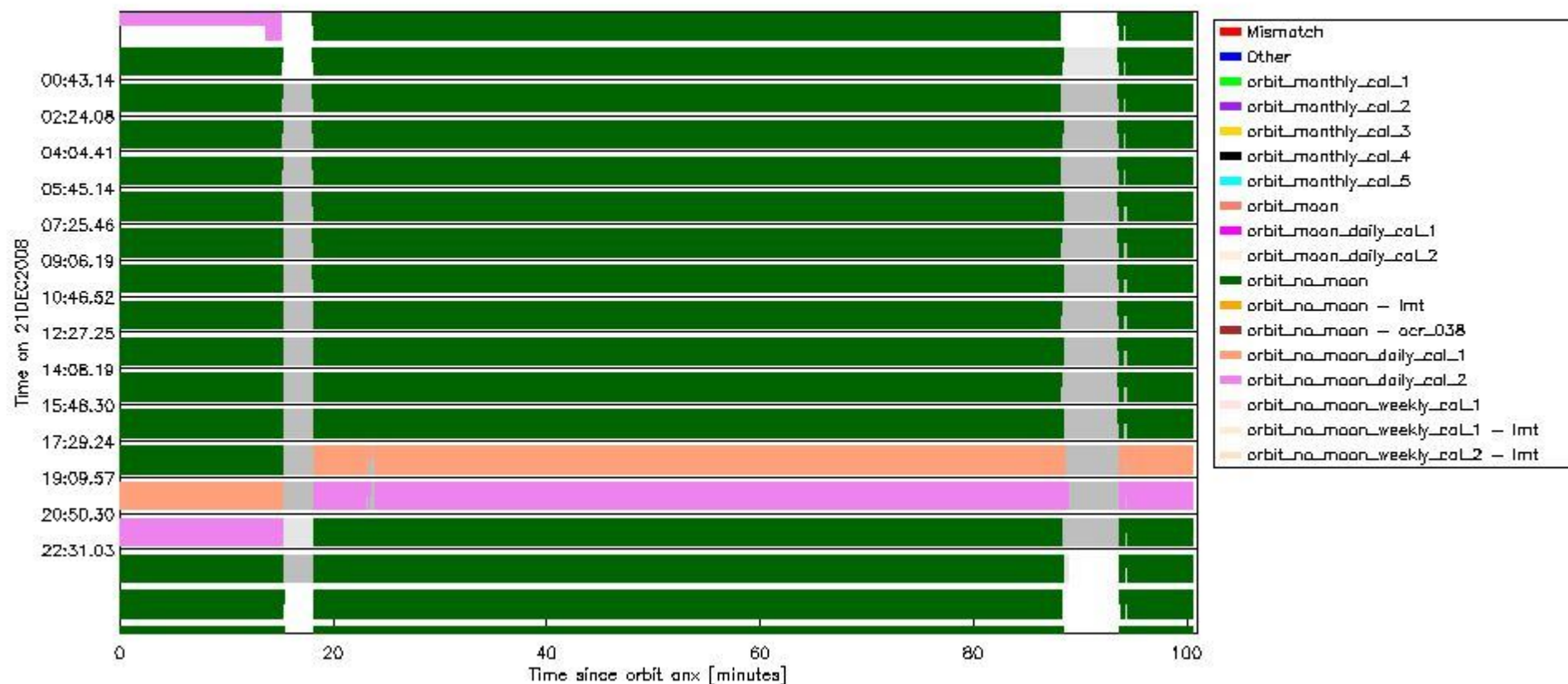


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081221_5.PNG

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 21DEC2008.
 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_20081221_6.PNG

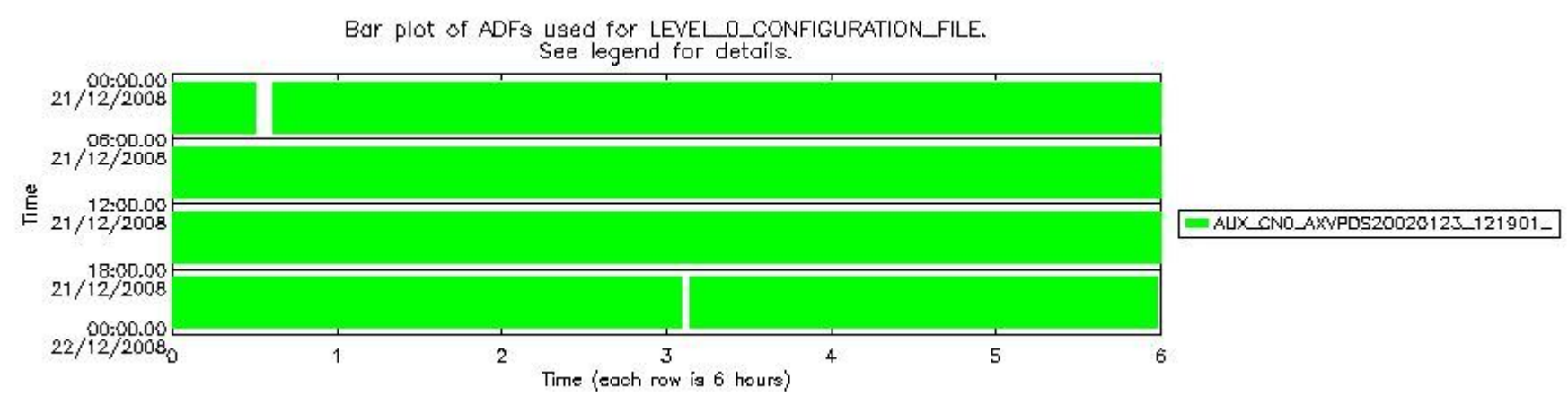
0.4 ADF monitoring

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

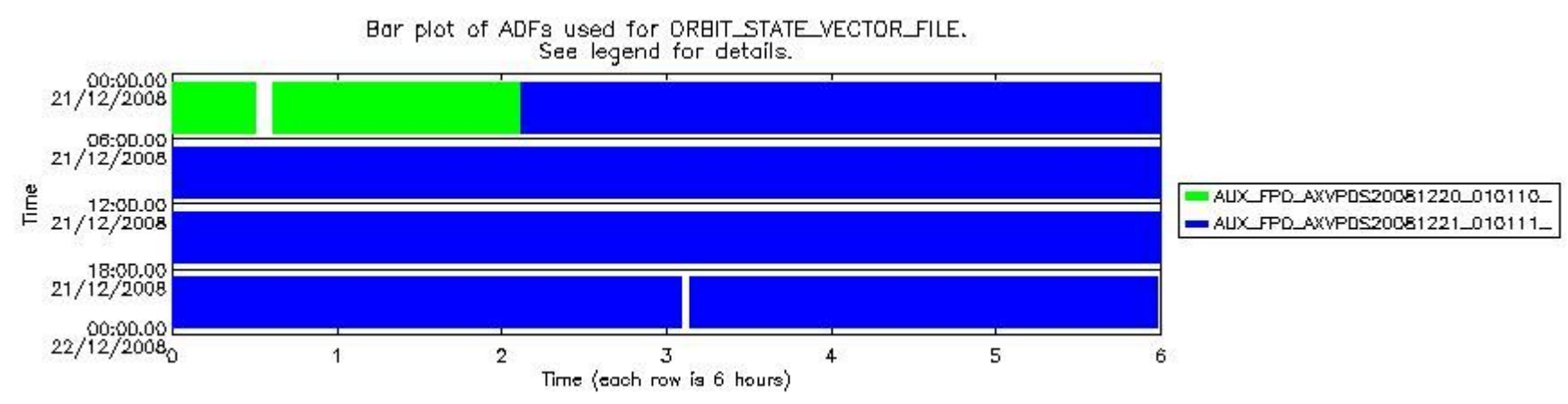
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

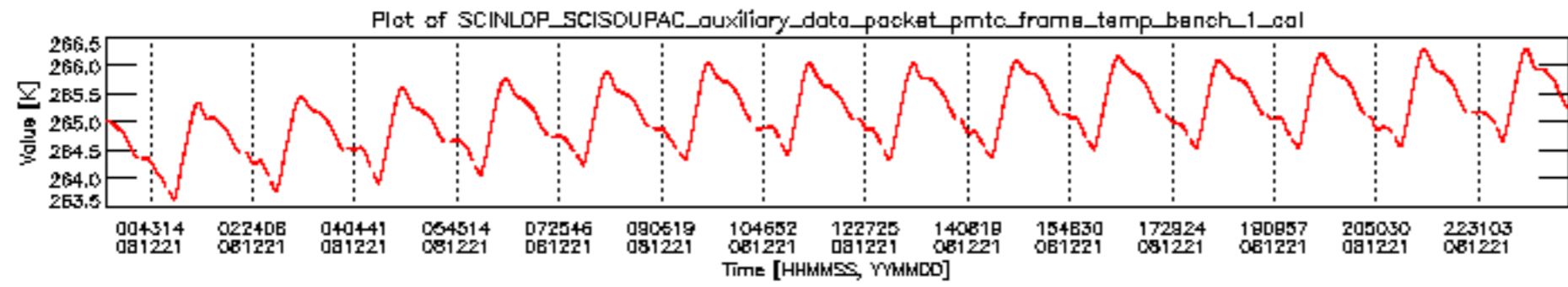
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081220_010110_20081219_183232_20081229_213922
2	AUX_FPO_AXVPDS20081221_010111_20081220_194131_20081230_210745

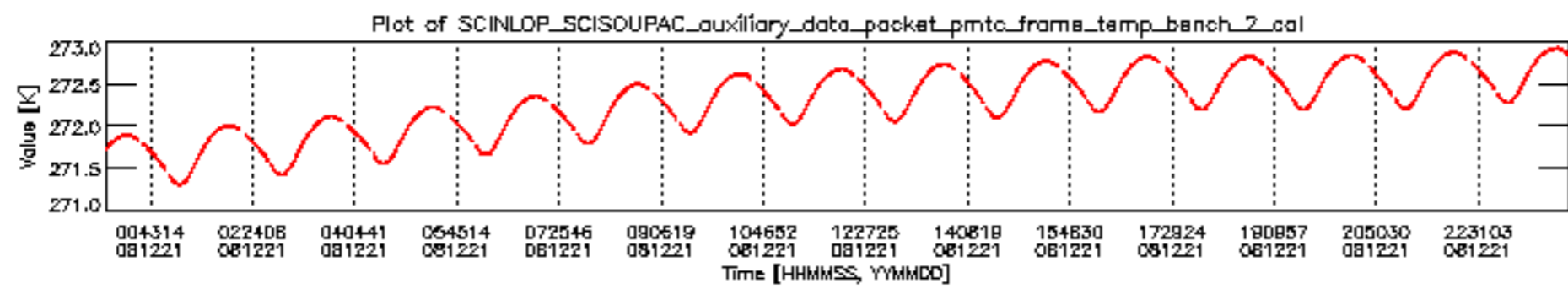


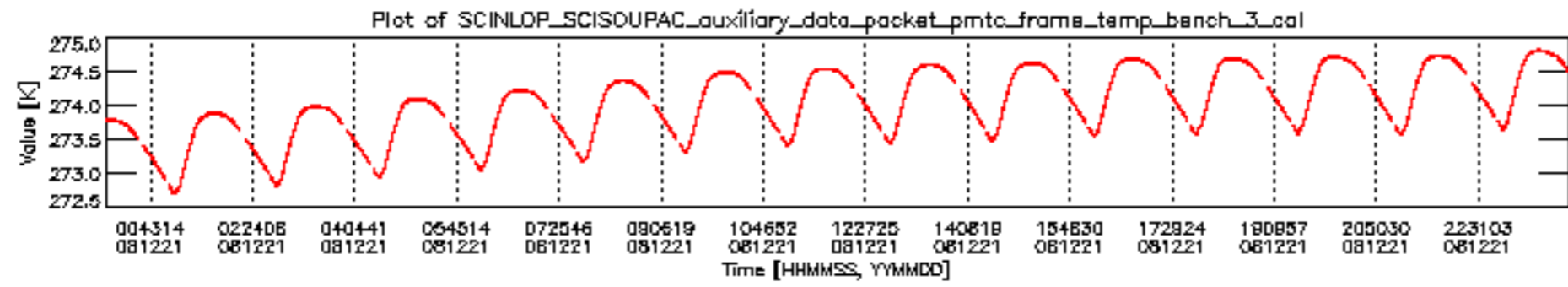
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081221_7.PNG

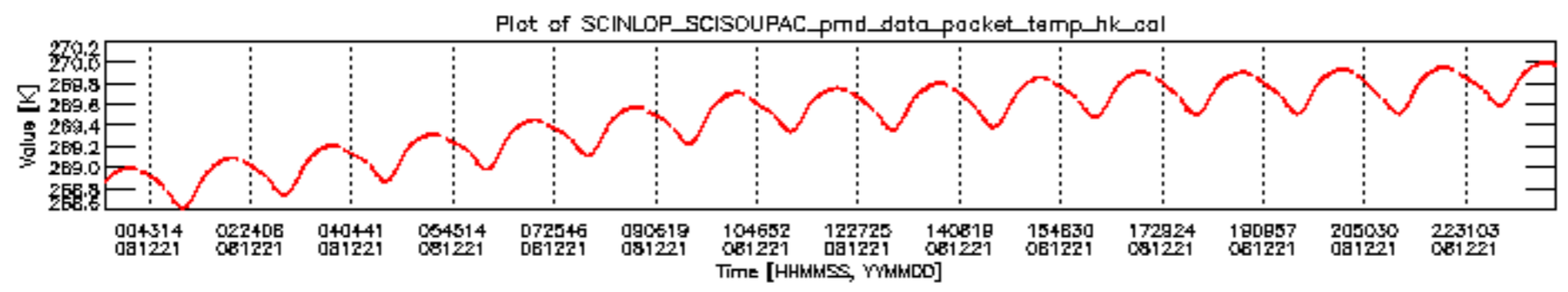


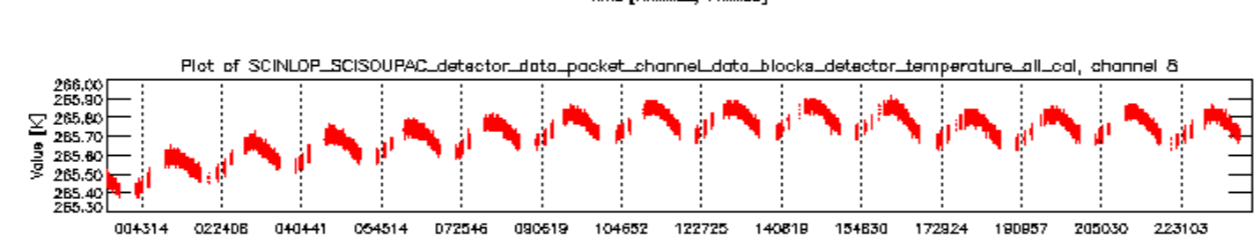
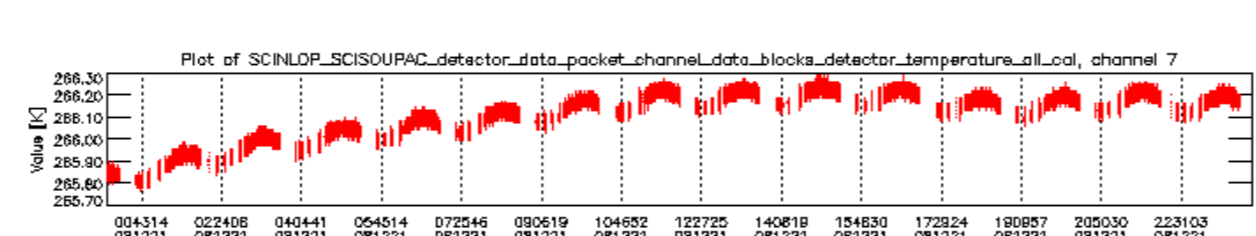
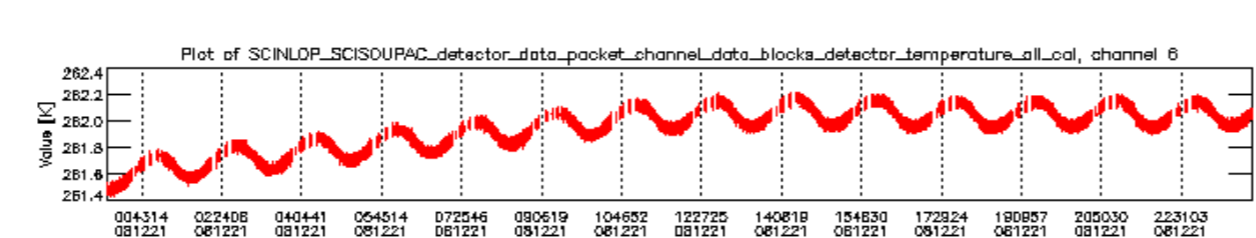
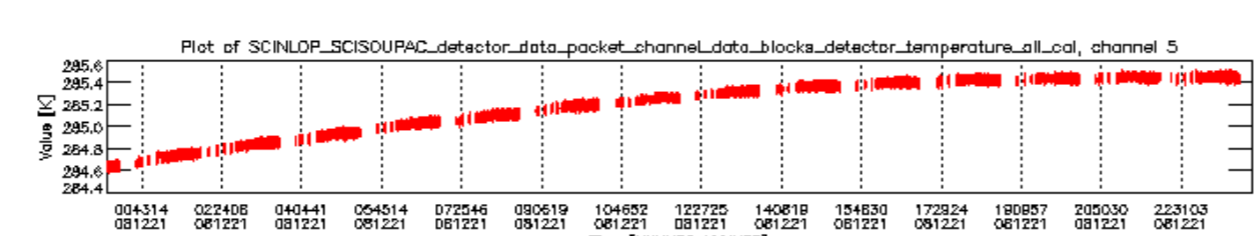
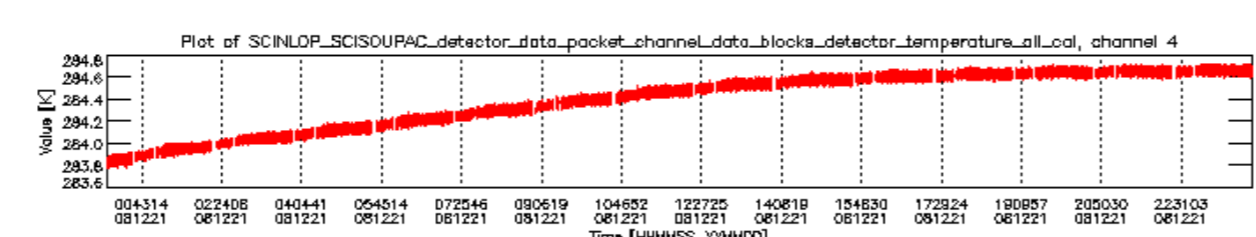
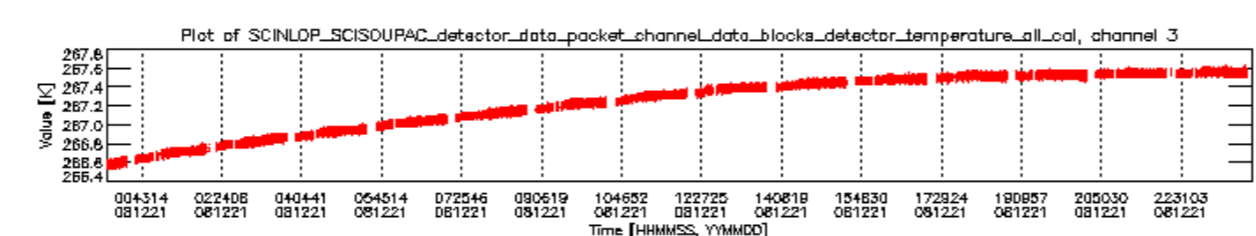
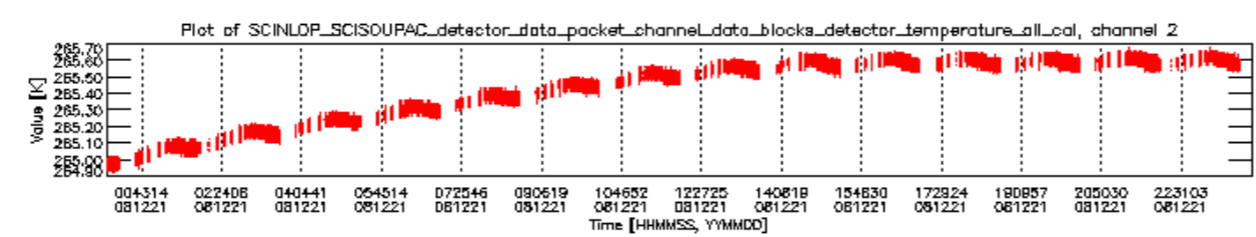
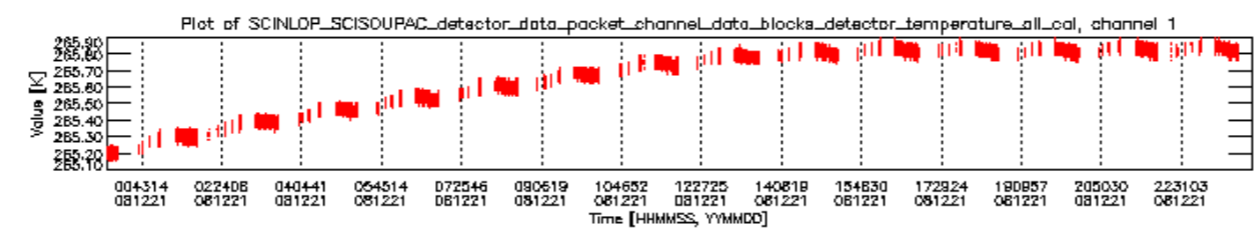
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081221_8.PNG

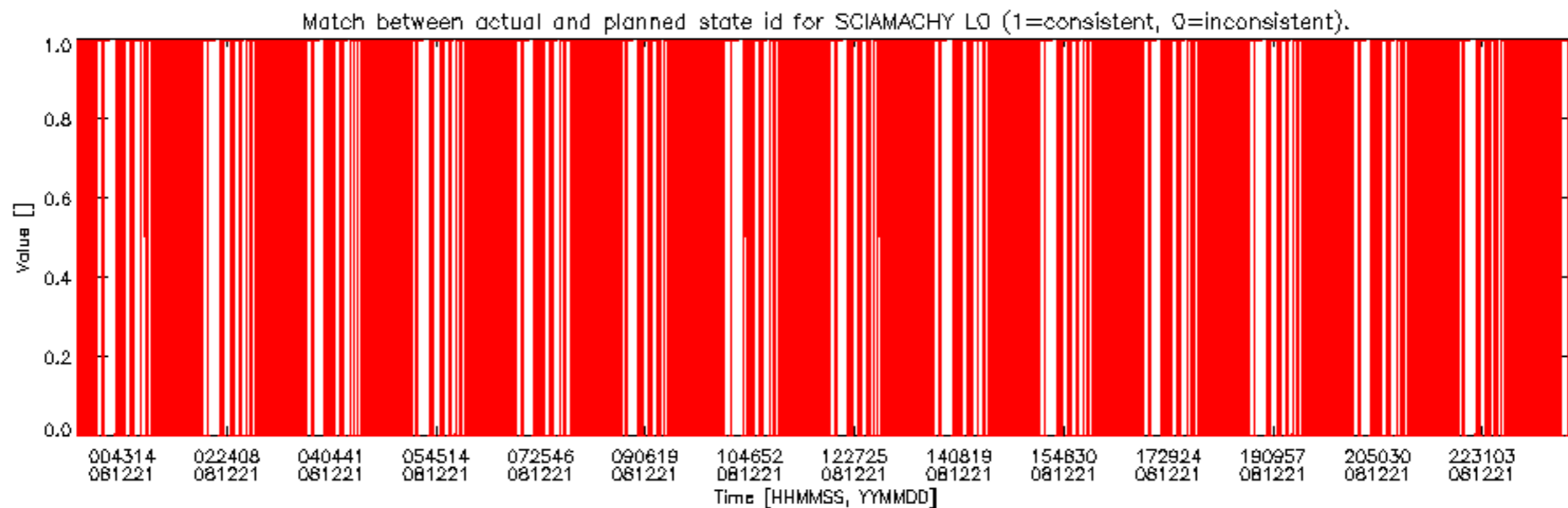
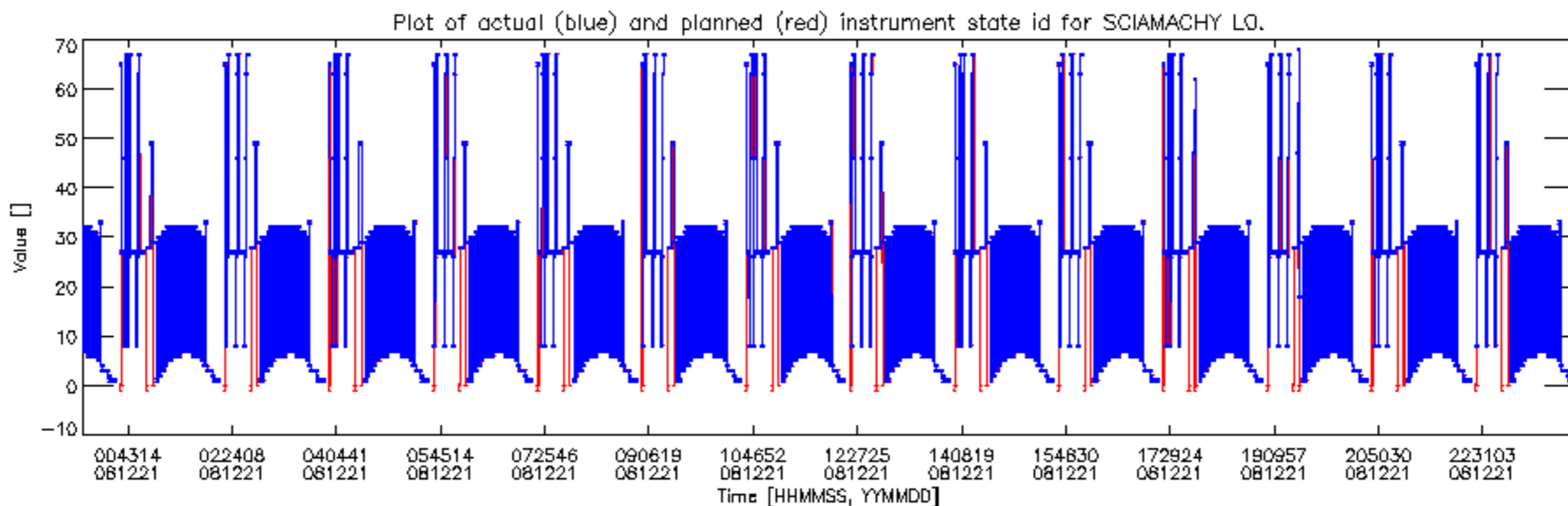












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