

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	22AUG2008 04:33:29
Data source version	KSPT_L0/4303-N
Processing scope for products	18AUG2008 00:00:00 to 19AUG2008 00:00:00
Start time of first product within scope	17AUG2008 23:17:34
Stop time of last product within scope	19AUG2008 00:30:15
Total number of level 0 products	16
Number of level 0 products with errors	0

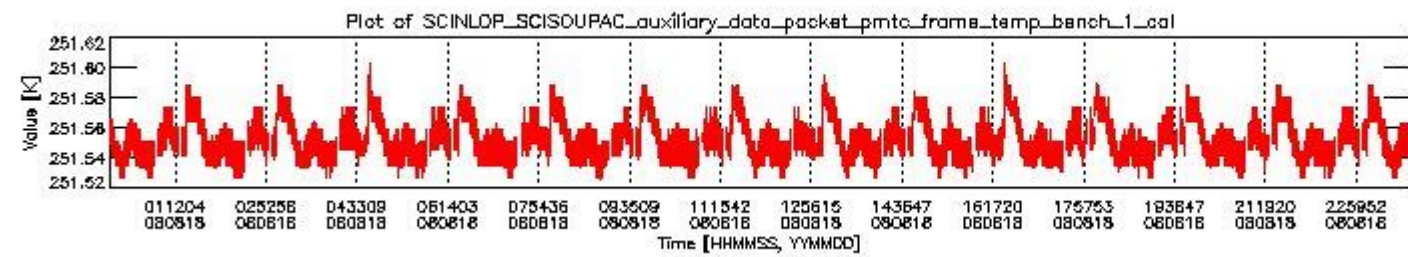
0.1.2 Summary per product

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

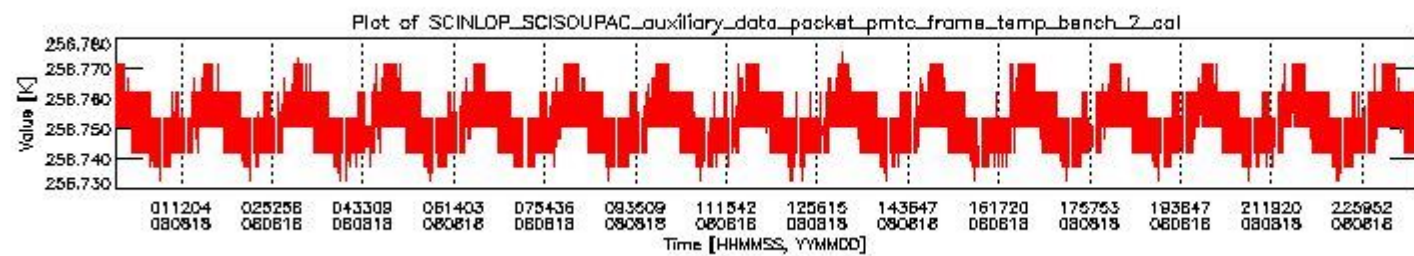
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080817_231734_000062082071_00187_33808_7333.N1	17AUG2008 23:17:34	18AUG2008 01:01:01	0	0	0	0	0
1	SCI_NL__OPNPDE20080818_010017_000045752071_00188_33809_7334.N1	18AUG2008 01:00:17	18AUG2008 02:16:32	0	0	0	0	0
2	SCI_NL__OPNPDE20080818_021632_000058432071_00189_33810_7335.N1	18AUG2008 02:16:32	18AUG2008 03:53:56	0	0	0	0	0
3	SCI_NL__OPNPDE20080818_035247_000061052071_00190_33811_7336.N1	18AUG2008 03:52:47	18AUG2008 05:34:32	0	0	0	0	0
4	SCI_NL__OPNPDE20080818_053432_000060362071_00191_33812_7337.N1	18AUG2008 05:34:32	18AUG2008 07:15:09	0	0	0	0	0
5	SCI_NL__OPNPDK20080818_071400_000041142071_00192_33813_9070.N1	18AUG2008 07:14:00	18AUG2008 08:22:34	0	0	0	0	0
6	SCI_NL__OPNPDK20080818_082138_000062172071_00193_33814_9071.N1	18AUG2008 08:21:38	18AUG2008 10:05:15	0	0	0	0	0
7	SCI_NL__OPNPDK20080818_100406_000059802071_00194_33815_9072.N1	18AUG2008 10:04:06	18AUG2008 11:43:47	0	0	0	0	0
8	SCI_NL__OPNPDK20080818_114251_000059682071_00195_33816_9073.N1	18AUG2008 11:42:51	18AUG2008 13:22:18	0	0	0	0	0
9	SCI_NL__OPNPDK20080818_132218_000059122071_00196_33817_9074.N1	18AUG2008 13:22:18	18AUG2008 15:00:50	0	0	0	0	0
10	SCI_NL__OPNPDK20080818_145954_000058432071_00197_33818_9075.N1	18AUG2008 14:59:54	18AUG2008 16:37:18	0	0	0	0	0
11	SCI_NL__OPNPDK20080818_163609_000060682071_00198_33819_9076.N1	18AUG2008 16:36:09	18AUG2008 18:17:17	0	0	0	0	0
12	SCI_NL__OPNPDK20080818_181513_000059122071_00199_33820_9077.N1	18AUG2008 18:15:13	18AUG2008 19:53:45	0	0	0	0	0
13	SCI_NL__OPNPDE20080818_195249_000041452071_00200_33821_7338.N1	18AUG2008 19:52:49	18AUG2008 21:01:54	0	0	0	0	0
14	SCI_NL__OPNPDE20080818_210110_000065002071_00200_33821_7339.N1	18AUG2008 21:01:10	18AUG2008 22:49:31	0	0	0	0	0
15	SCI_NL__OPNPDE20080818_224810_000061252071_00201_33822_7340.N1	18AUG2008 22:48:10	19AUG2008 00:30:15	0	0	0	0	0

0.2 Product Quality Indicators

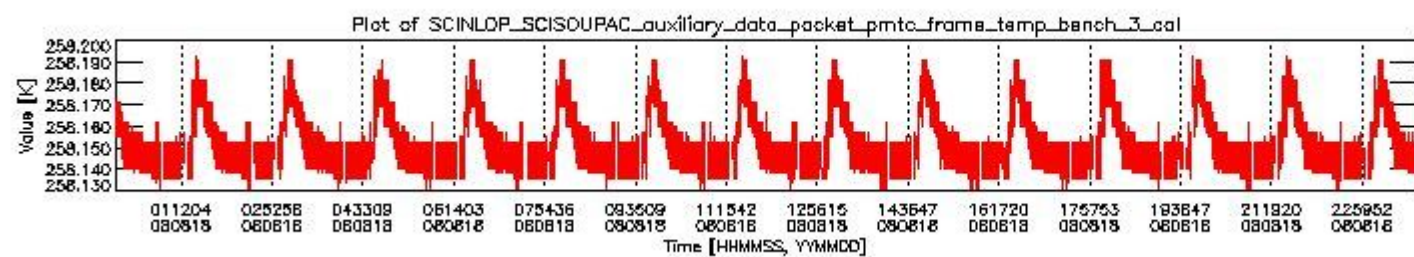
This section shows information about product quality, currently temperatures.



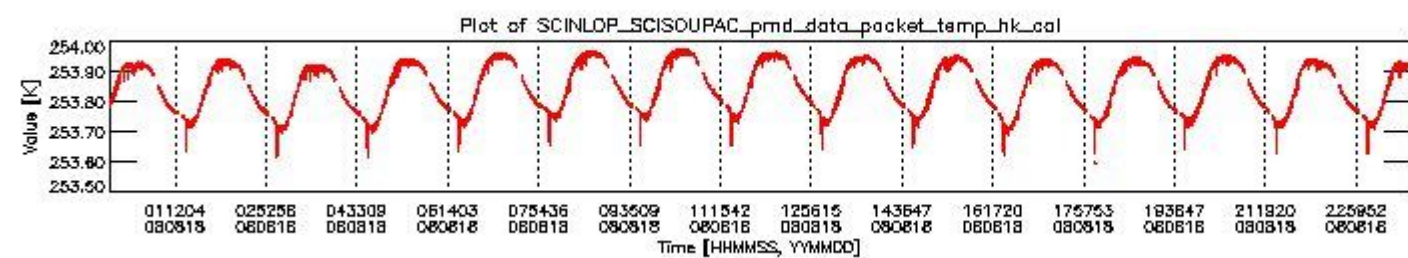
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080818_0.PNG



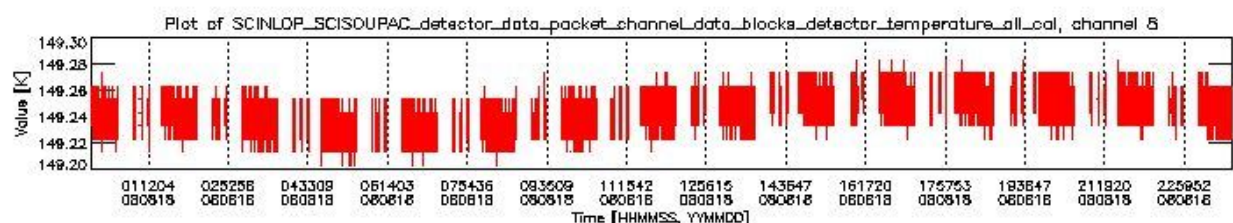
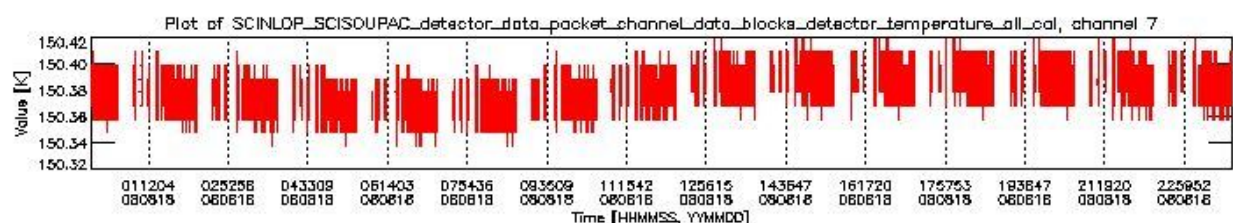
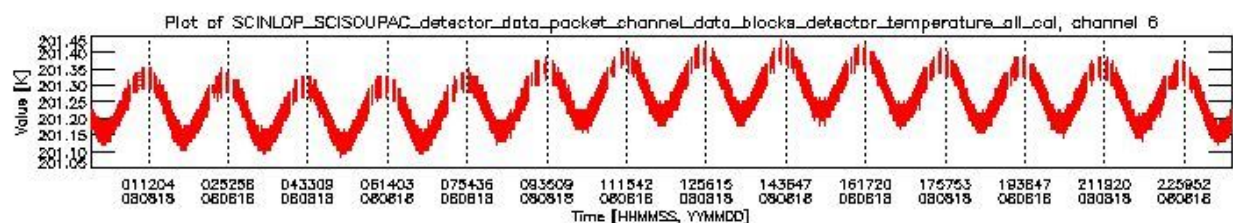
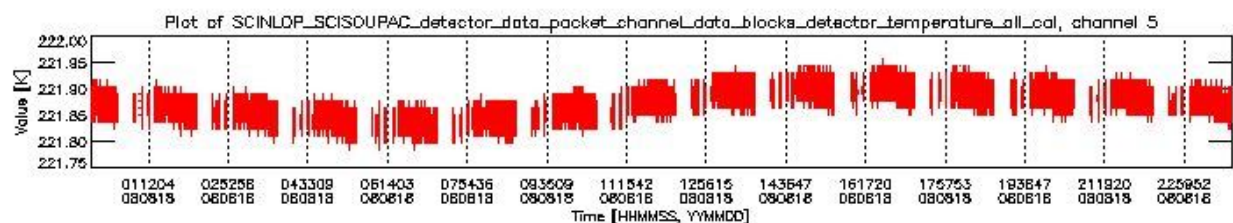
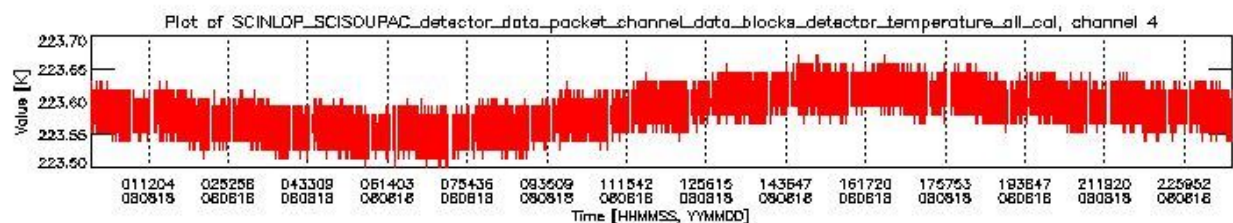
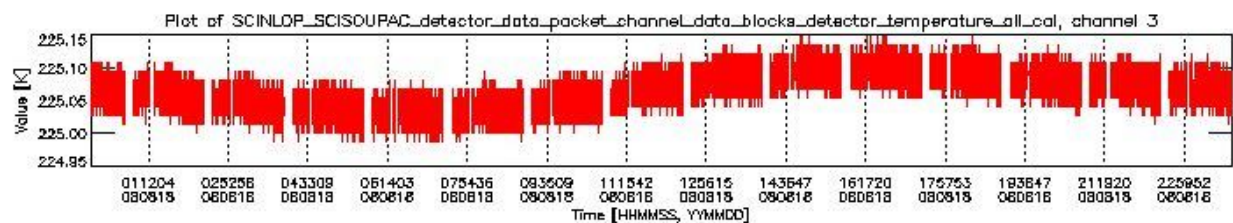
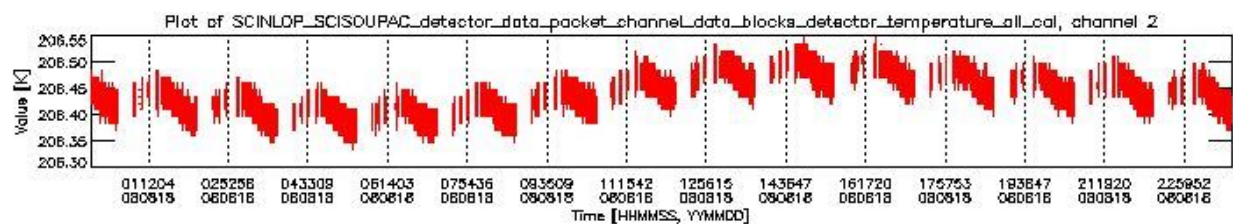
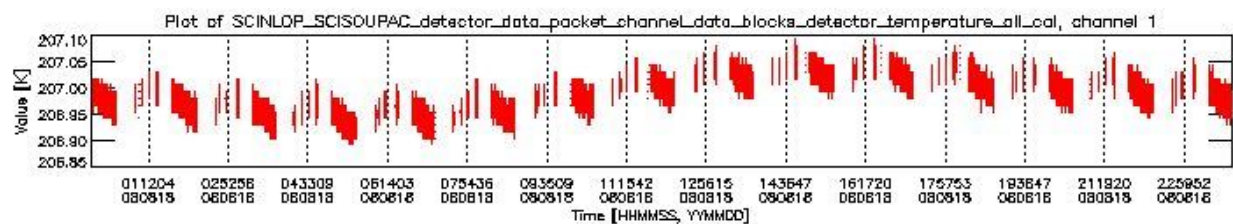
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080818_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080818_3.PNG

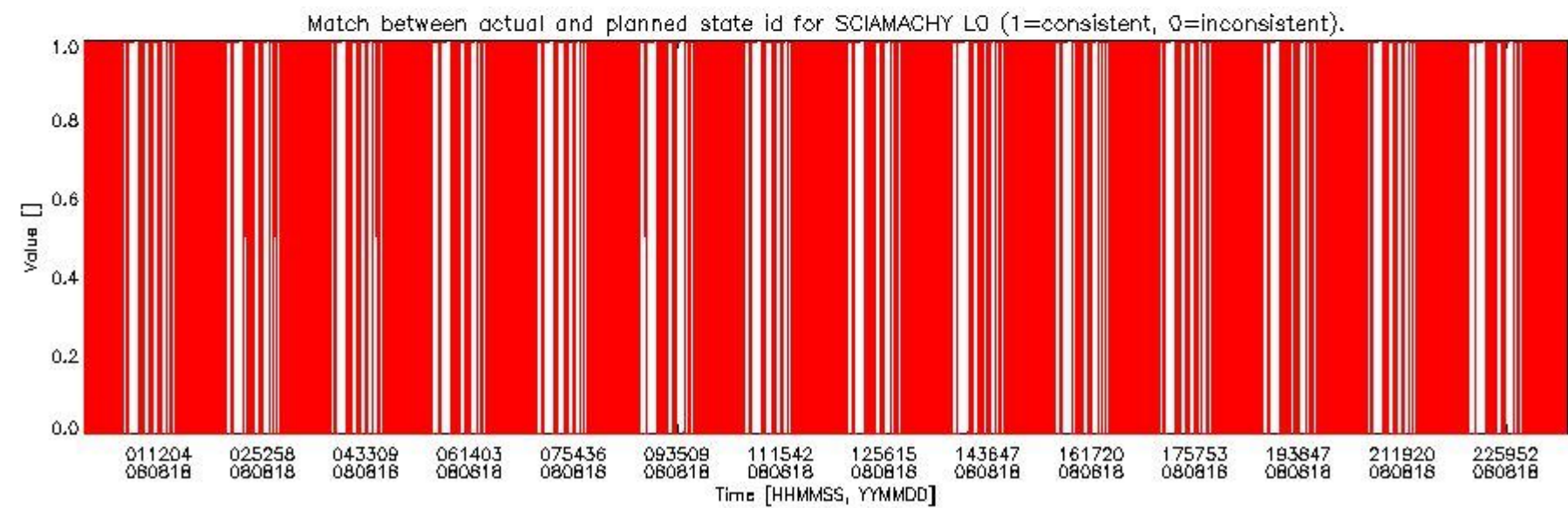
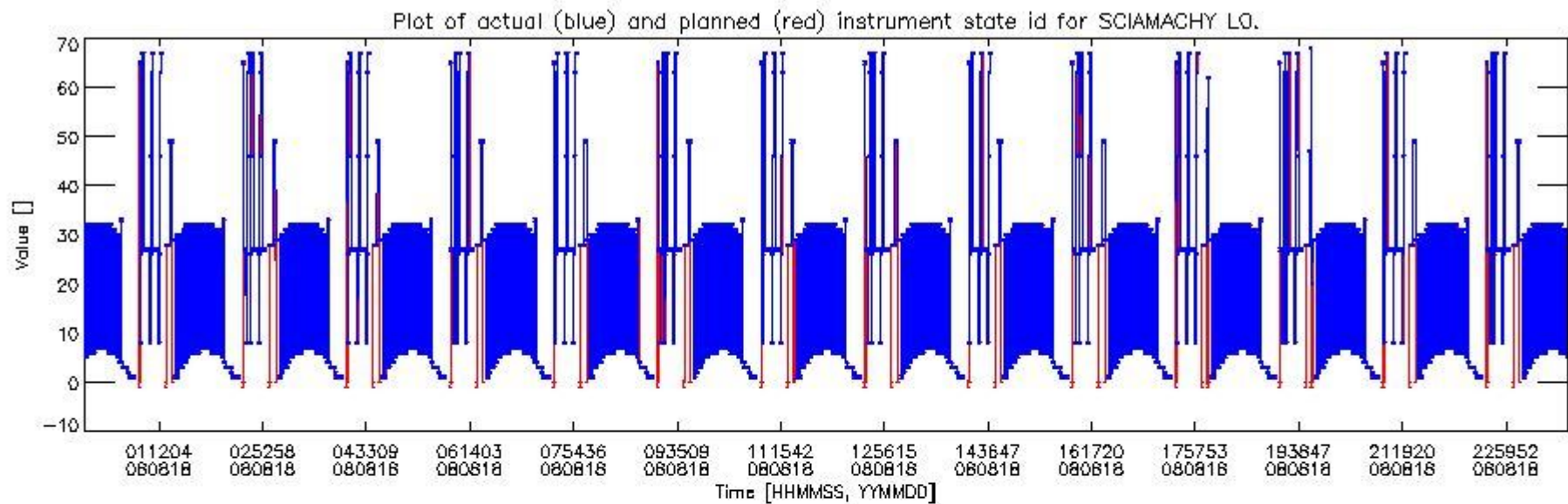


0.3 State monitoring

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: **39539**

#	Actual time	Actual value	Planned time	Planned value
0	18AUG2008 00:00:28.589304	5	18AUG2008 00:00:28.589304	32
1	18AUG2008 00:00:28.839312	5	18AUG2008 00:00:28.839312	32
2	18AUG2008 00:00:28.964277	5	18AUG2008 00:00:28.964277	32
3	18AUG2008 00:00:29.089281	5	18AUG2008 00:00:29.089281	32
4	18AUG2008 00:00:29.214285	5	18AUG2008 00:00:29.214285	32
5	18AUG2008 00:00:29.339290	5	18AUG2008 00:00:29.339290	32
6	18AUG2008 00:00:29.464294	5	18AUG2008 00:00:29.464294	32
7	18AUG2008 00:00:29.589298	5	18AUG2008 00:00:29.589298	32
8	18AUG2008 00:00:29.714303	5	18AUG2008 00:00:29.714303	32
9	18AUG2008 00:00:29.839307	5	18AUG2008 00:00:29.839307	32
10	18AUG2008 00:00:29.964311	5	18AUG2008 00:00:29.964311	32
11	18AUG2008 00:00:30.089276	5	18AUG2008 00:00:30.089276	32
12	18AUG2008 00:00:30.214280	5	18AUG2008 00:00:30.214280	32
13	18AUG2008 00:00:30.339284	5	18AUG2008 00:00:30.339284	32
14	18AUG2008 00:00:30.464289	5	18AUG2008 00:00:30.464289	32
15	18AUG2008 00:00:30.589293	5	18AUG2008 00:00:30.589293	32
16	18AUG2008 00:00:30.714297	5	18AUG2008 00:00:30.714297	32
17	18AUG2008 00:00:30.839302	5	18AUG2008 00:00:30.839302	32
18	18AUG2008 00:00:30.964306	5	18AUG2008 00:00:30.964306	32
19	18AUG2008 00:00:31.089310	5	18AUG2008 00:00:31.089310	32

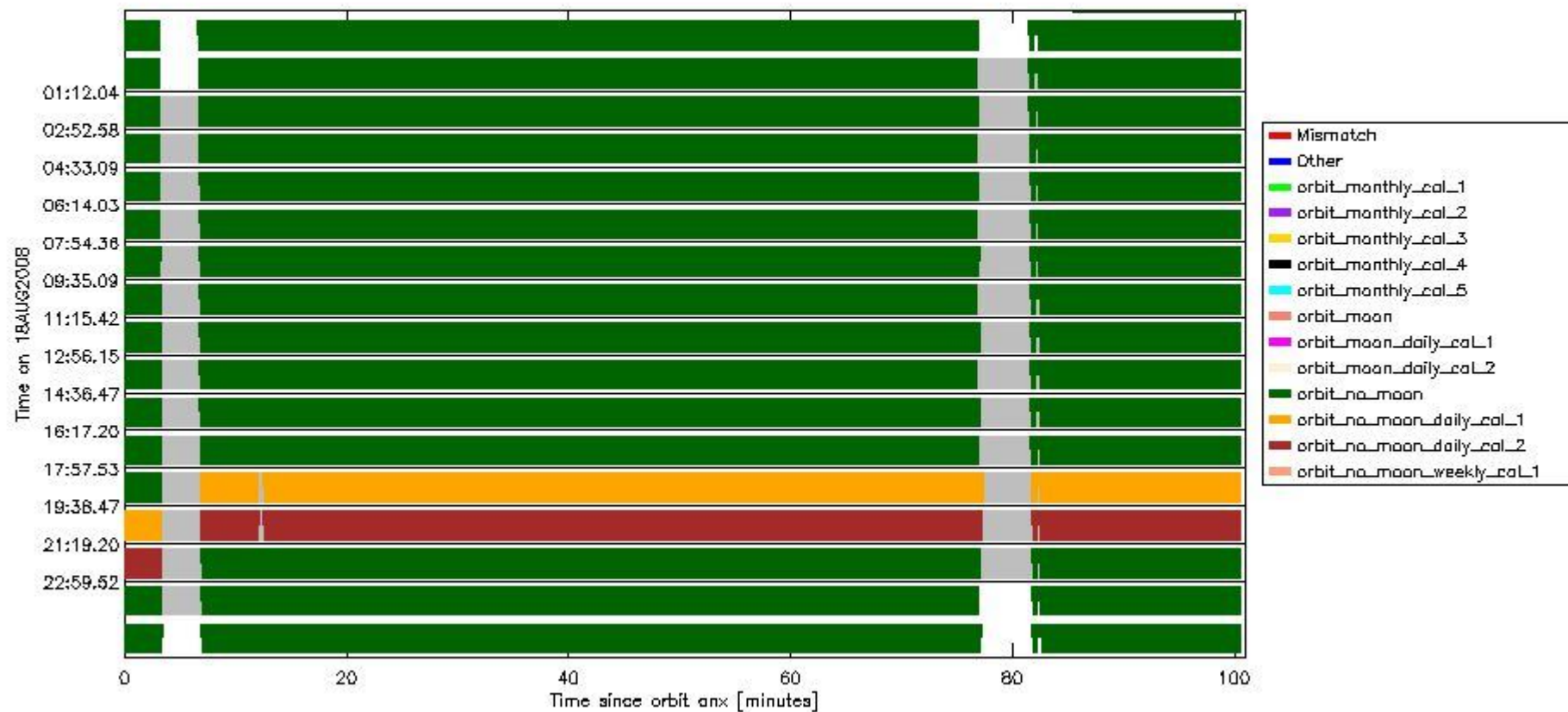


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080818_5.PNG

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 18AUG2008.
 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_20080818_6.PNG

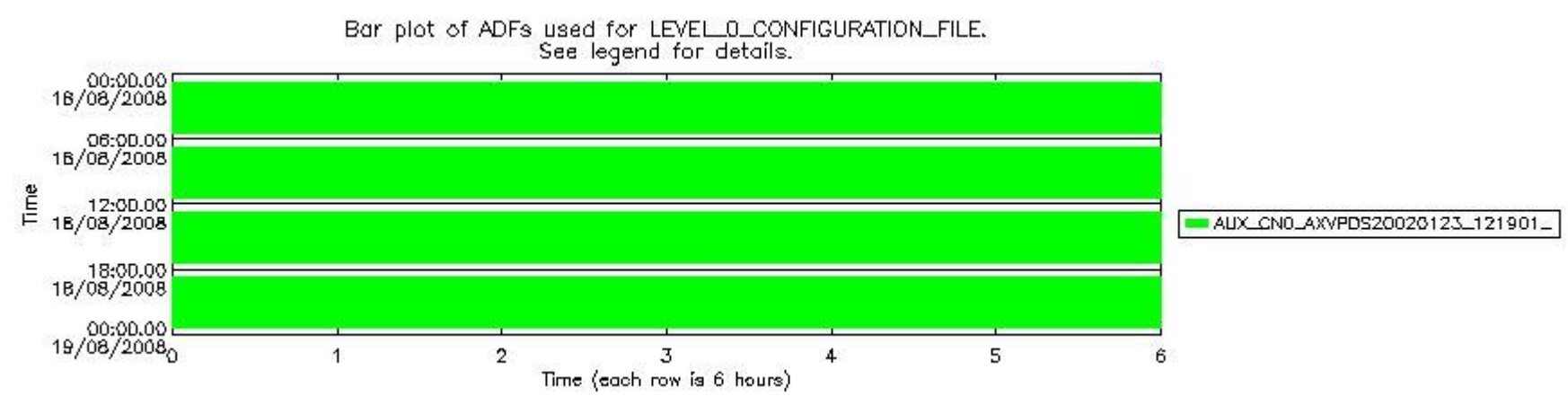
0.4 ADF monitoring

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

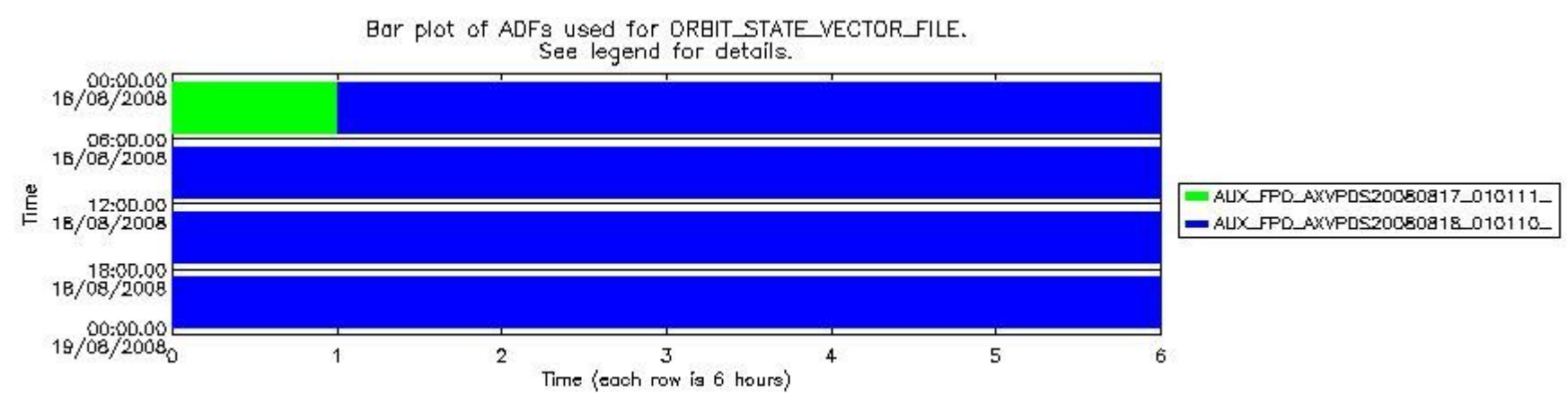
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

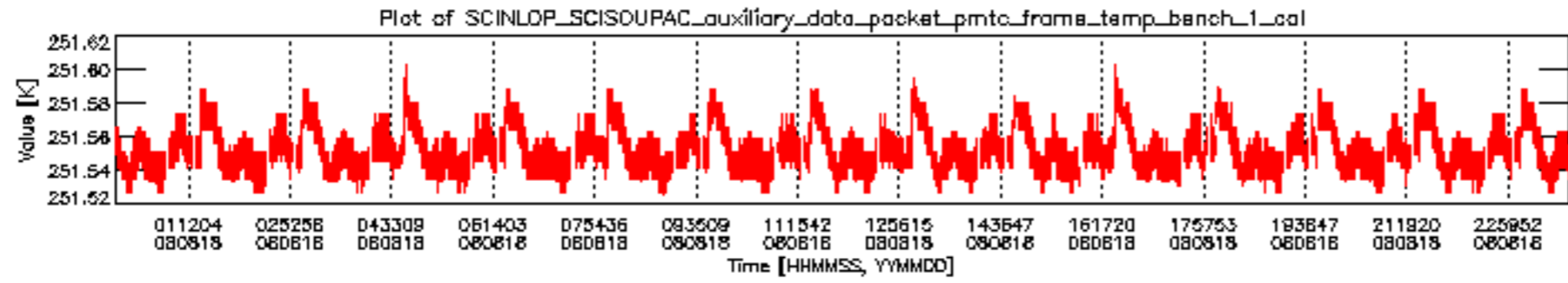
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080817_010111_20080816_190118_20080826_202731
2	AUX_FPO_AXVPDS20080818_010110_20080817_182941_20080827_213629

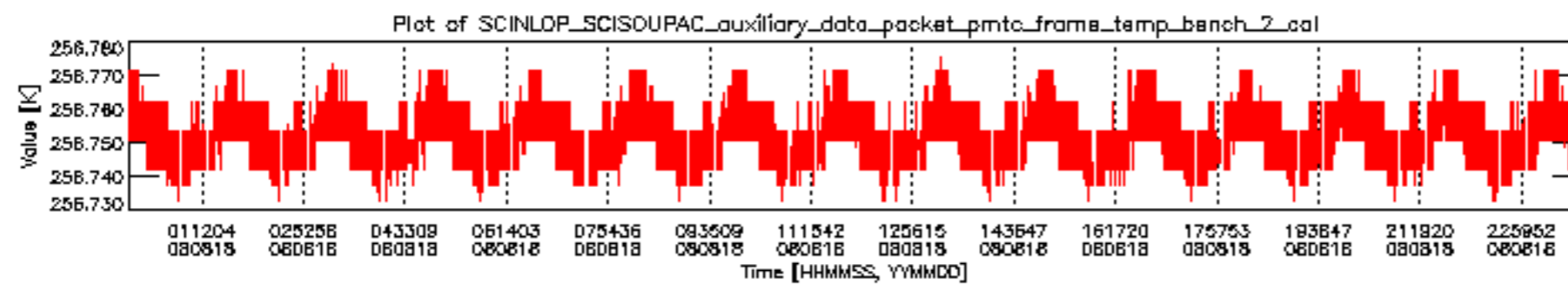


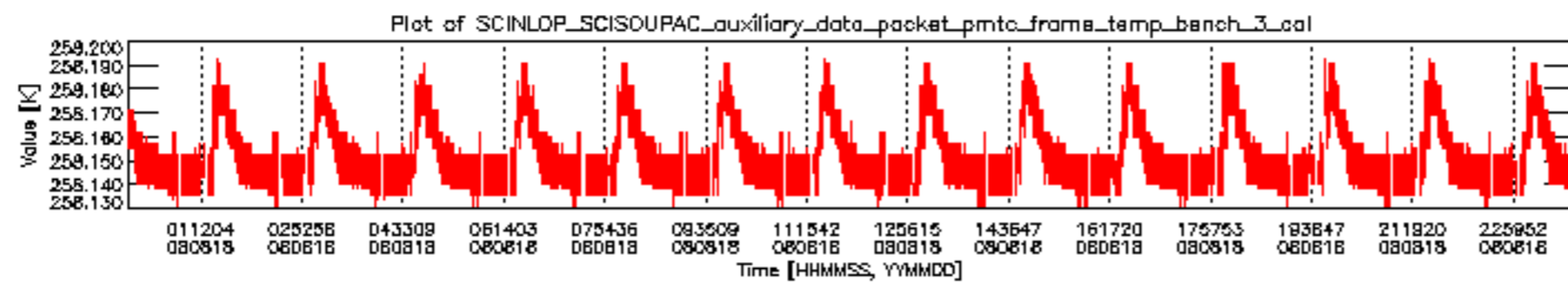
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080818_7.PNG

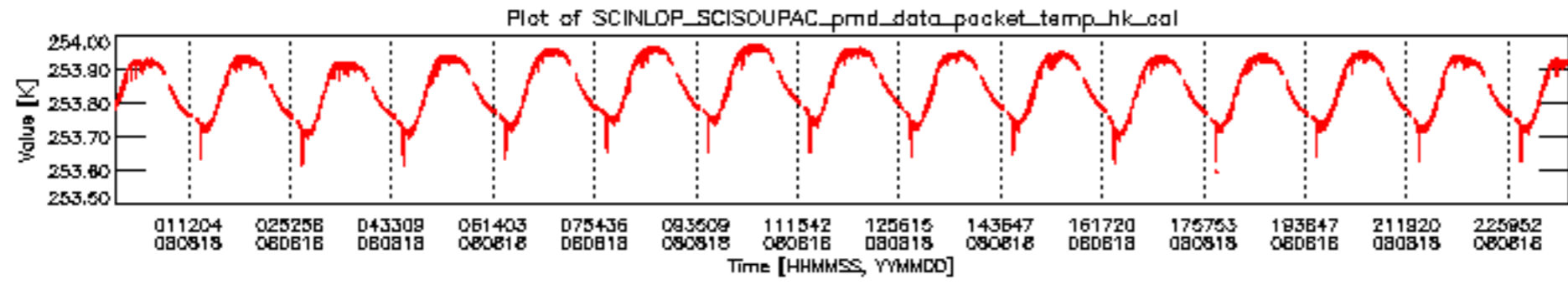


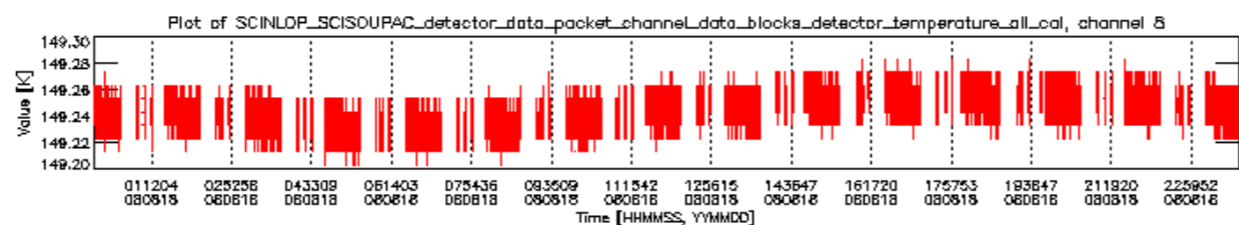
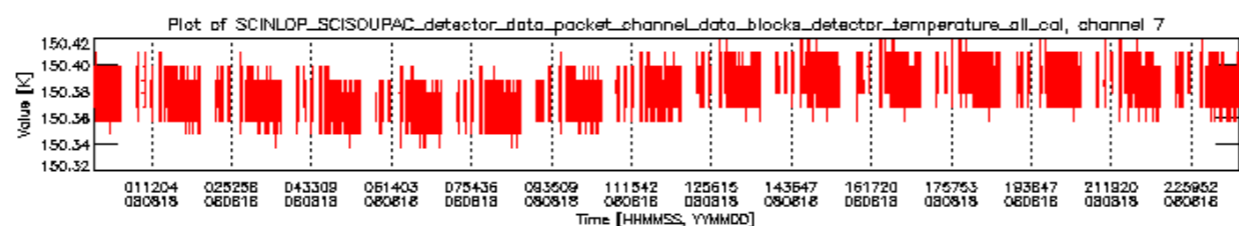
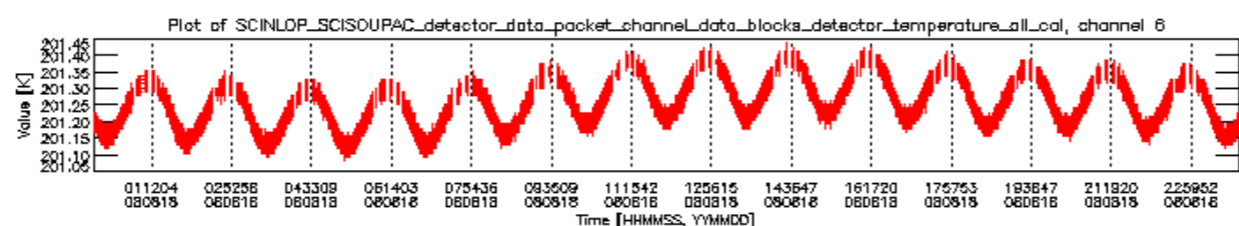
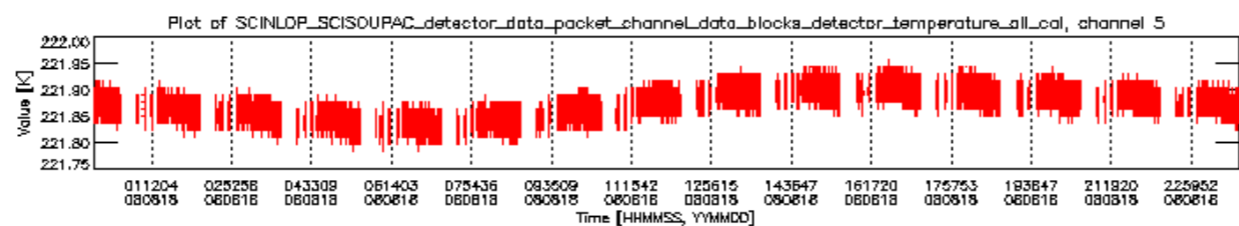
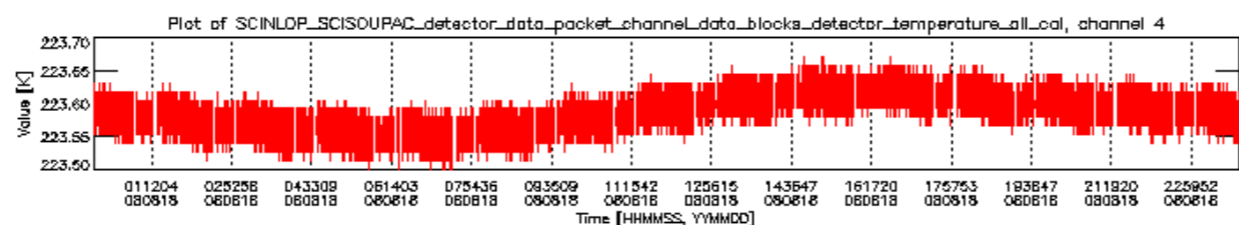
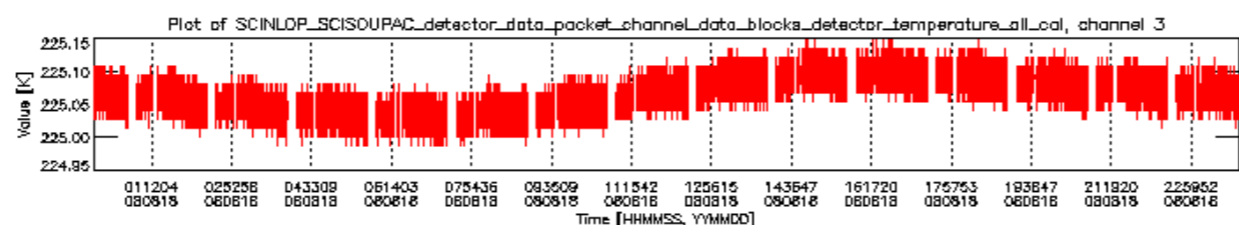
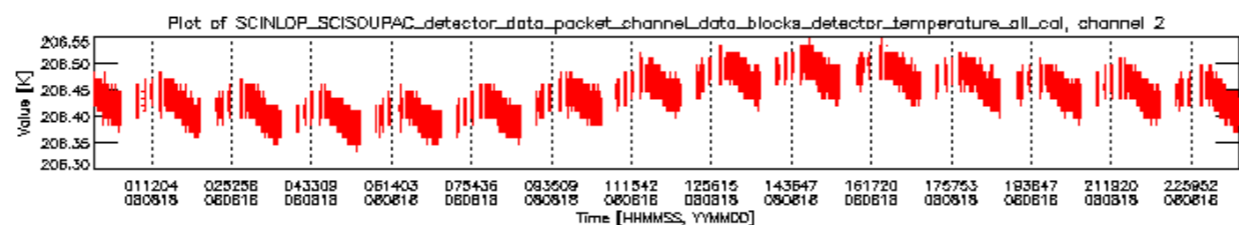
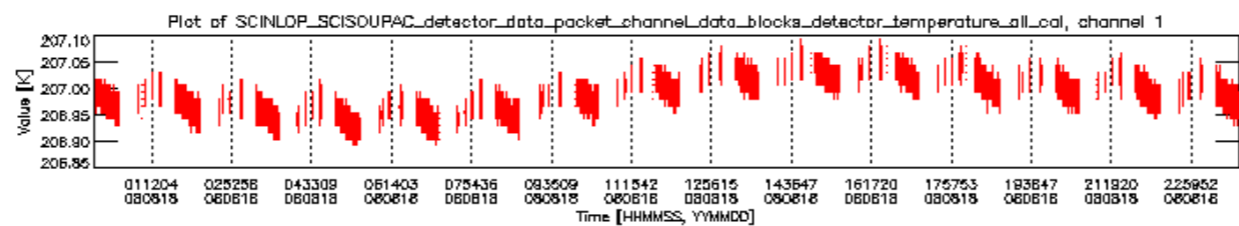
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080818_8.PNG

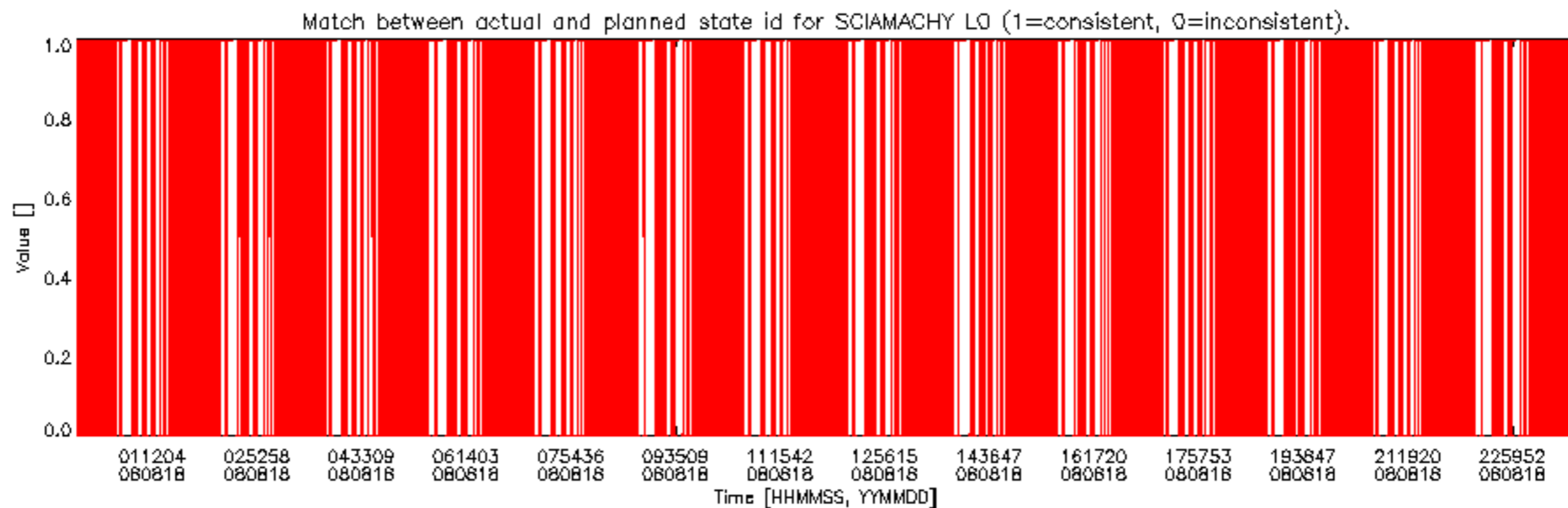
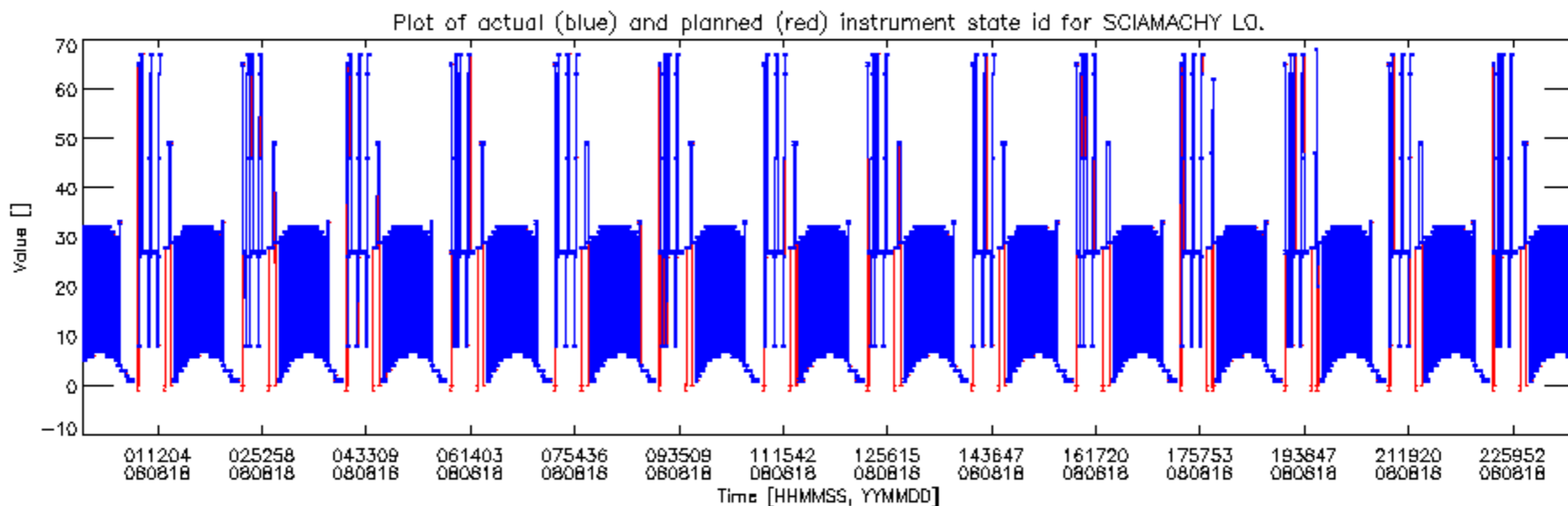












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