

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	24APR2008 04:48:12
Data source version	KSPT_L0/4303-N
Processing scope for products	20APR2008 00:00:00 to 21APR2008 00:00:00
Start time of first product within scope	19APR2008 22:49:18
Stop time of last product within scope	21APR2008 00:01:01
Total number of level 0 products	15
Number of level 0 products with errors	0

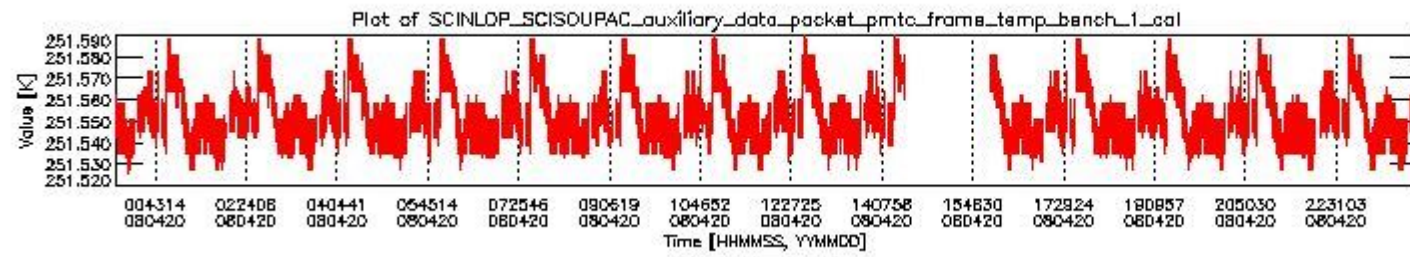
0.1.2 Summary per product

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

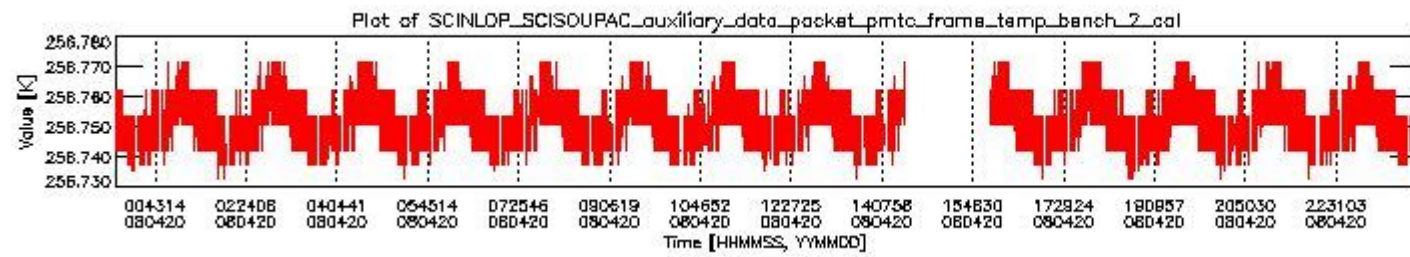
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080419_224918_000061632067_00473_32090_6524.N1	19APR2008 22:49:18	20APR2008 00:32:01	0	0	0	0	0
1	SCI_NL__OPNPDE20080420_003117_000058712067_00474_32091_6525.N1	20APR2008 00:31:17	20APR2008 02:09:08	0	0	0	0	0
2	SCI_NL__OPNPDE20080420_020824_000048212067_00475_32092_6526.N1	20APR2008 02:08:24	20APR2008 03:28:46	0	0	0	0	0
3	SCI_NL__OPNPDE20080420_032750_000058552067_00476_32093_6527.N1	20APR2008 03:27:50	20APR2008 05:05:25	0	0	0	0	0
4	SCI_NL__OPNPDE20080420_050417_000060922067_00477_32094_6528.N1	20APR2008 05:04:17	20APR2008 06:45:48	0	0	0	0	0
5	SCI_NL__OPNPDK20080420_064548_000041132067_00478_32095_7998.N1	20APR2008 06:45:48	20APR2008 07:54:21	0	0	0	0	0
6	SCI_NL__OPNPDK20080420_075325_000061472067_00479_32096_7999.N1	20APR2008 07:53:25	20APR2008 09:35:53	0	0	0	0	0
7	SCI_NL__OPNPDK20080420_093553_000059242067_00480_32097_8000.N1	20APR2008 09:35:53	20APR2008 11:14:36	0	0	0	0	0
8	SCI_NL__OPNPDK20080420_111328_000060912067_00481_32098_8001.N1	20APR2008 11:13:28	20APR2008 12:54:59	0	0	0	0	0
9	SCI_NL__OPNPDK20080420_125403_000059112067_00482_32099_8002.N1	20APR2008 12:54:03	20APR2008 14:32:35	0	0	0	0	0
10	SCI_NL__OPNPDK20080420_160753_000060542067_00484_32101_8003.N1	20APR2008 16:07:53	20APR2008 17:48:47	0	0	0	0	0
11	SCI_NL__OPNPDK20080420_174642_000060362067_00485_32102_8004.N1	20APR2008 17:46:42	20APR2008 19:27:18	0	0	0	0	0
12	SCI_NL__OPNPDK20080420_192718_000059062067_00486_32103_8005.N1	20APR2008 19:27:18	20APR2008 21:05:43	0	0	0	0	0
13	SCI_NL__OPNPDE20080420_210448_000043672067_00487_32104_6529.N1	20APR2008 21:04:48	20APR2008 22:17:34	0	0	0	0	0
14	SCI_NL__OPNPDE20080420_221734_000062072067_00487_32104_6530.N1	20APR2008 22:17:34	21APR2008 00:01:01	0	0	0	0	0

0.2 Product Quality Indicators

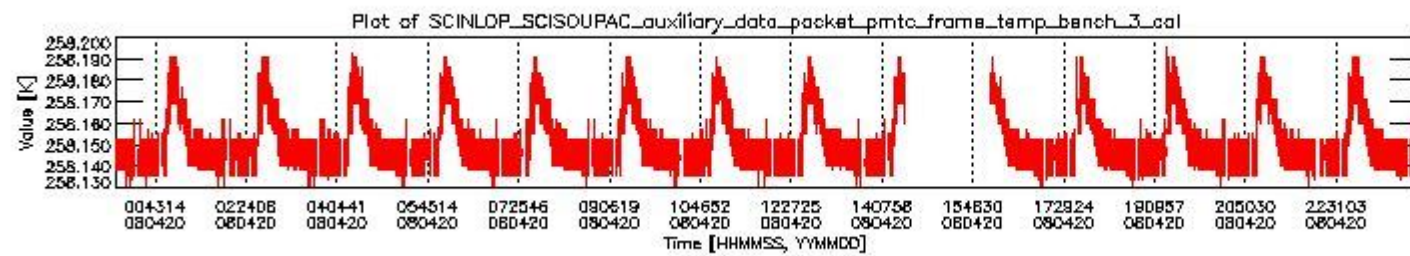
This section shows information about product quality, currently temperatures.



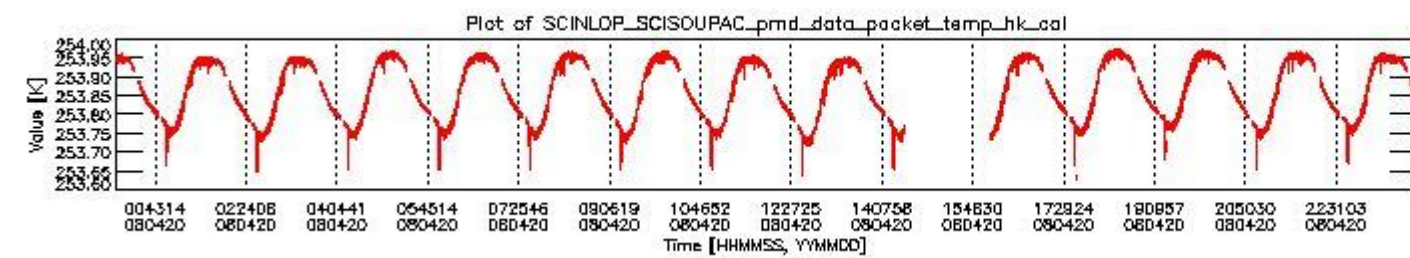
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080420_0.PNG



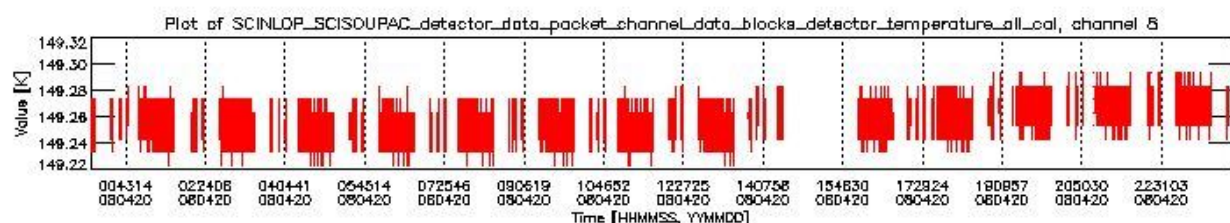
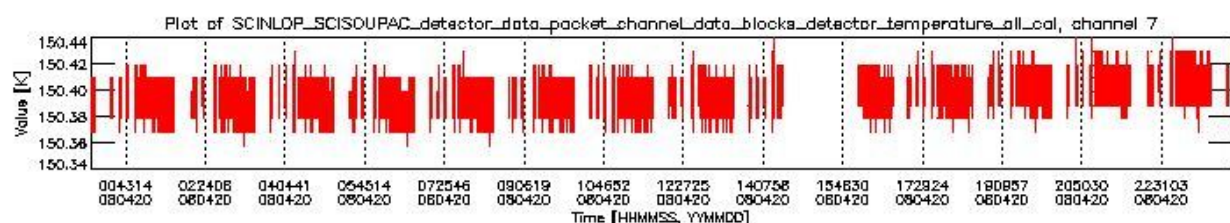
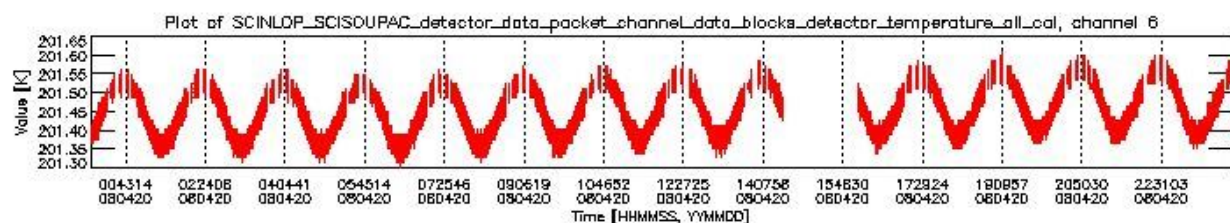
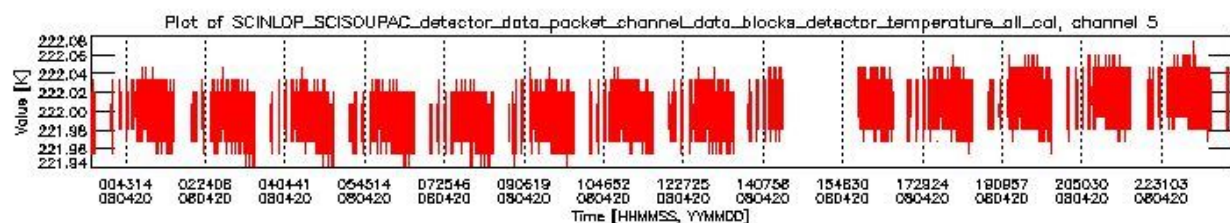
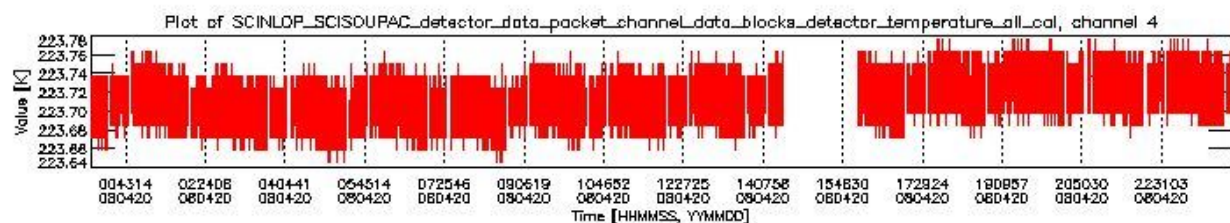
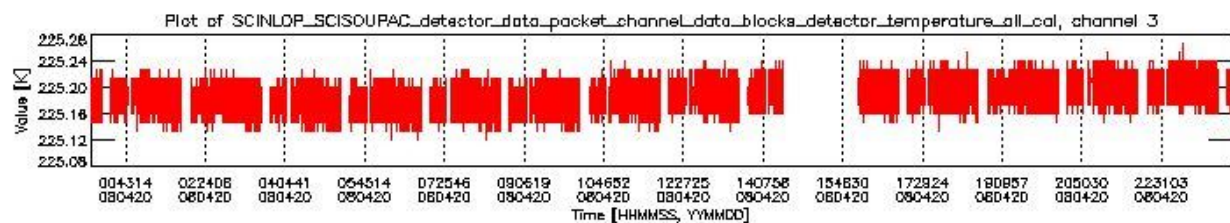
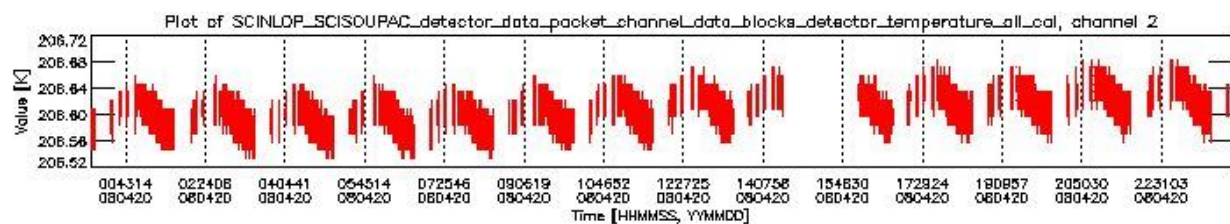
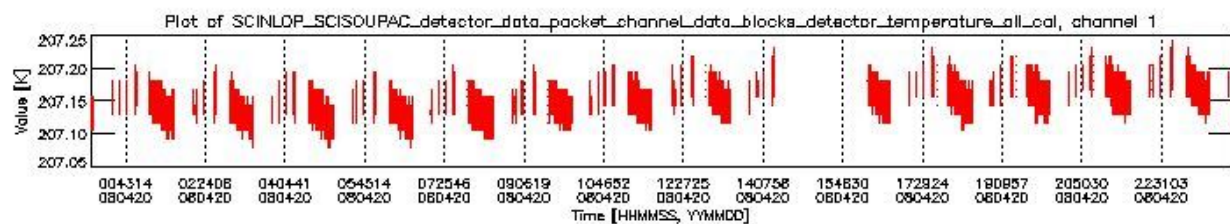
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080420_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080420_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080420_3.PNG

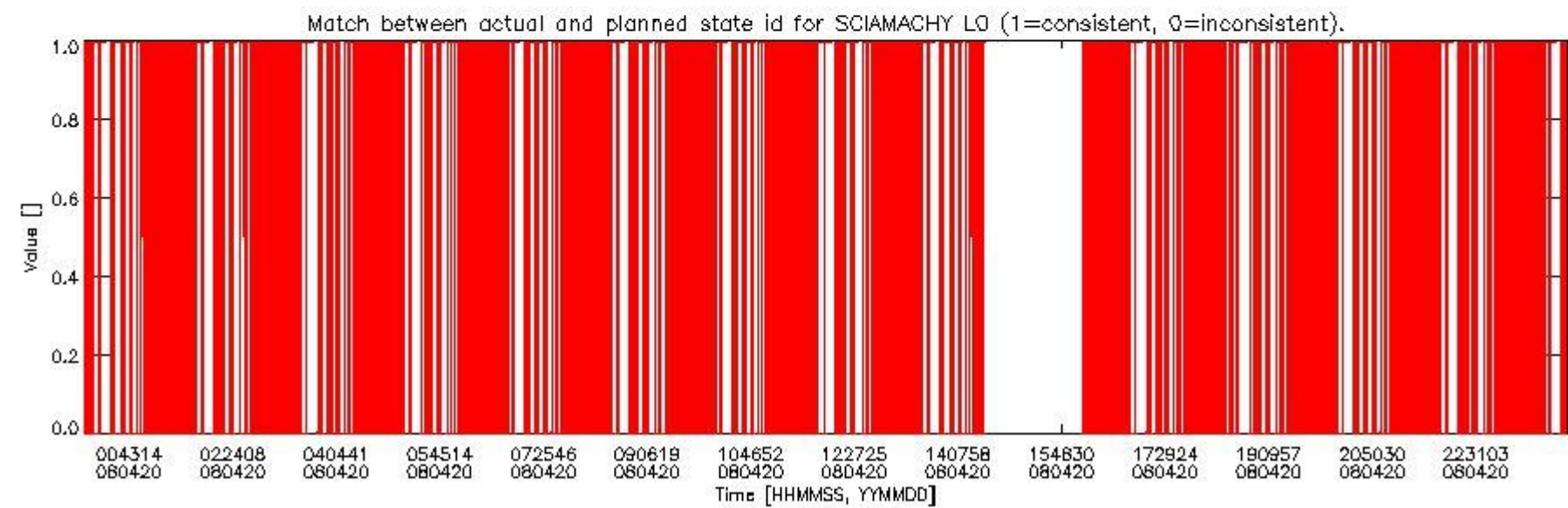
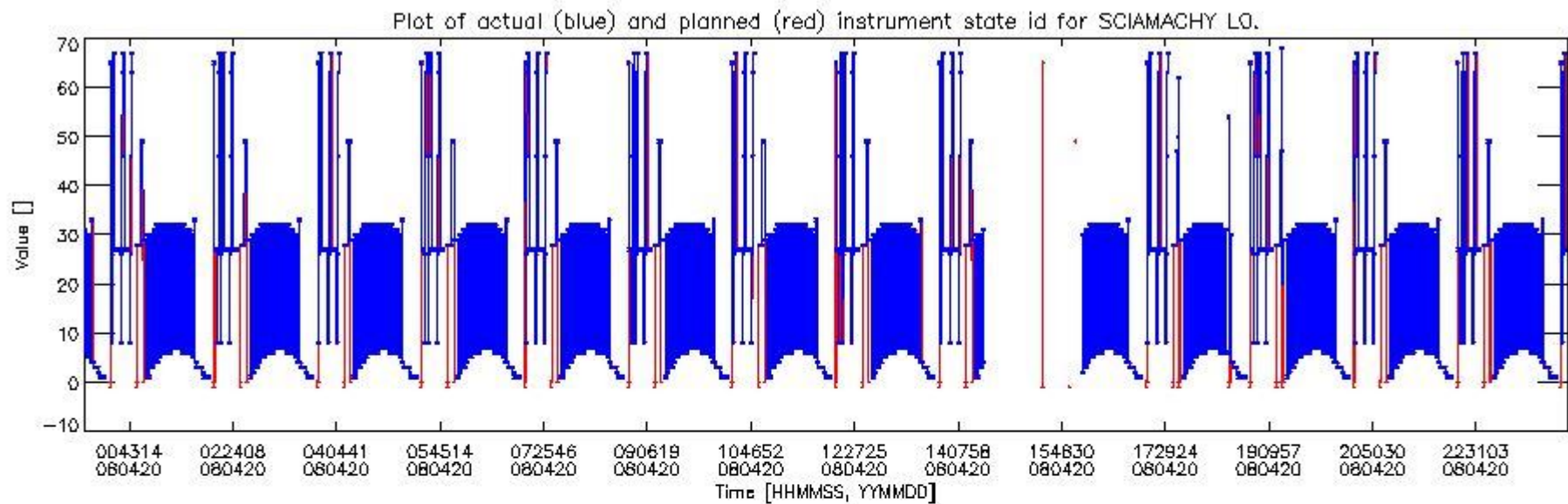


0.3 State monitoring

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: **41232**

#	Actual time	Actual value	Planned time	Planned value
0	20APR2008 00:00:25.965258	31	20APR2008 00:00:25.965258	6
1	20APR2008 00:00:26.590280	31	20APR2008 00:00:26.590280	6
2	20APR2008 00:00:26.965253	31	20APR2008 00:00:26.965253	6
3	20APR2008 00:00:27.340266	31	20APR2008 00:00:27.340266	6
4	20APR2008 00:00:27.902766	31	20APR2008 00:00:27.902766	6
5	20APR2008 00:00:28.277779	31	20APR2008 00:00:28.277779	6
6	20APR2008 00:00:28.652751	31	20APR2008 00:00:28.652751	6
7	20APR2008 00:00:29.027764	31	20APR2008 00:00:29.027764	6
8	20APR2008 00:00:29.590264	31	20APR2008 00:00:29.590264	6
9	20APR2008 00:00:29.965277	31	20APR2008 00:00:29.965277	6
10	20APR2008 00:00:30.340250	31	20APR2008 00:00:30.340250	6
11	20APR2008 00:00:30.715263	31	20APR2008 00:00:30.715263	6
12	20APR2008 00:00:30.965272	31	20APR2008 00:00:30.965272	6
13	20APR2008 00:00:31.277762	31	20APR2008 00:00:31.277762	6
14	20APR2008 00:00:31.652775	31	20APR2008 00:00:31.652775	6
15	20APR2008 00:00:32.027748	31	20APR2008 00:00:32.027748	6
16	20APR2008 00:00:32.402761	31	20APR2008 00:00:32.402761	6
17	20APR2008 00:00:32.965261	31	20APR2008 00:00:32.965261	6
18	20APR2008 00:00:33.340274	31	20APR2008 00:00:33.340274	6
19	20APR2008 00:00:33.715247	31	20APR2008 00:00:33.715247	6

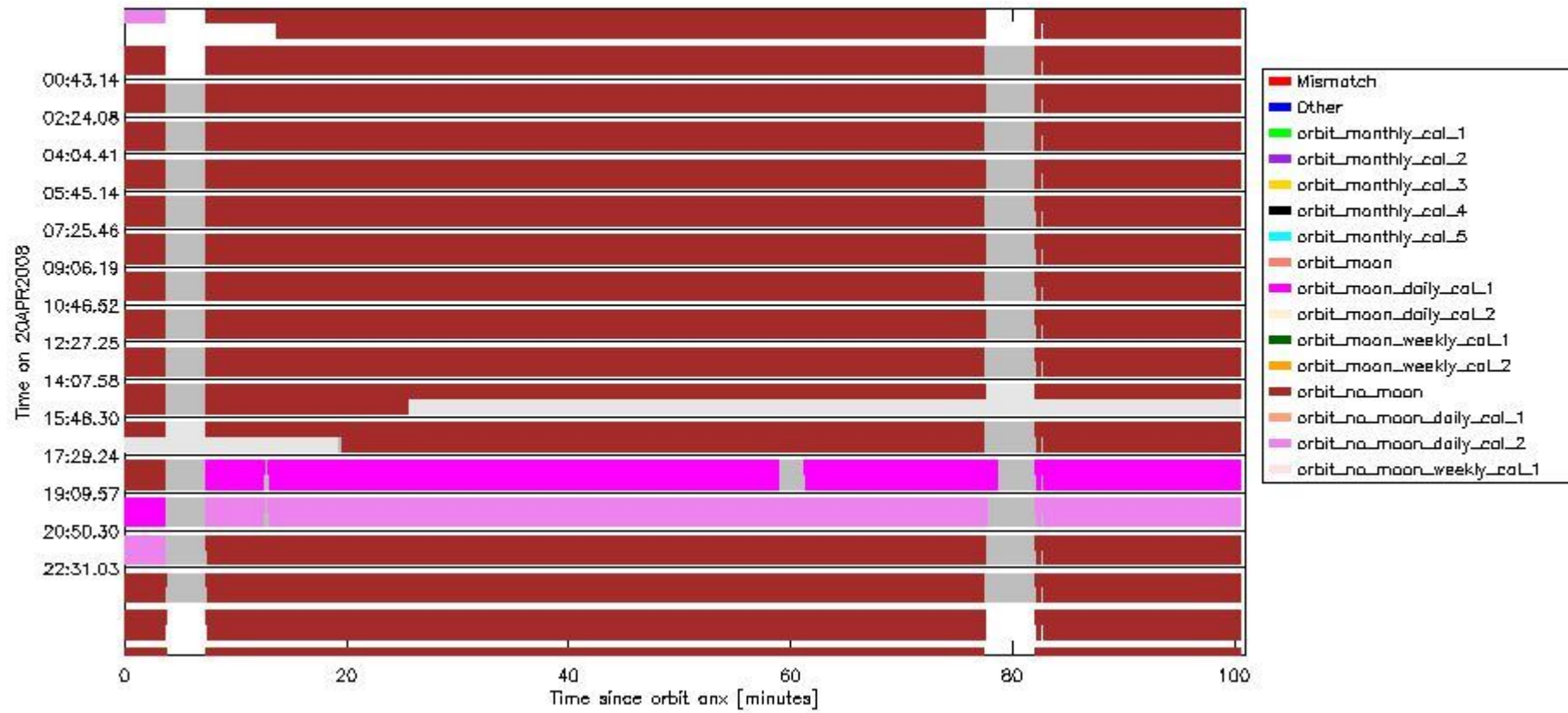


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080420_5.PNG

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 20APR2008.
 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_20080420_6.PNG

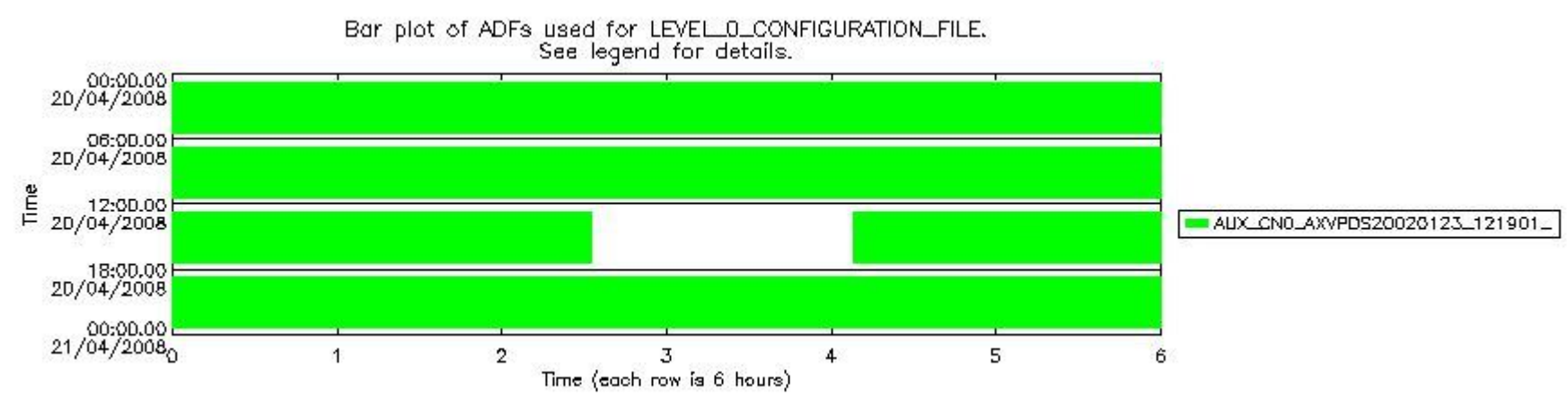
0.4 ADF monitoring

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

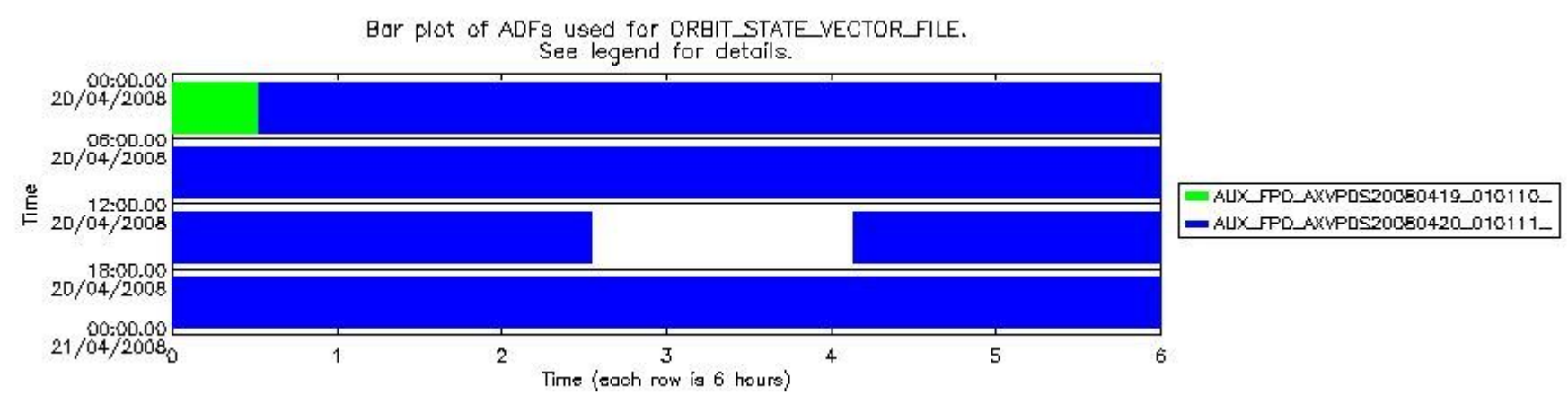
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

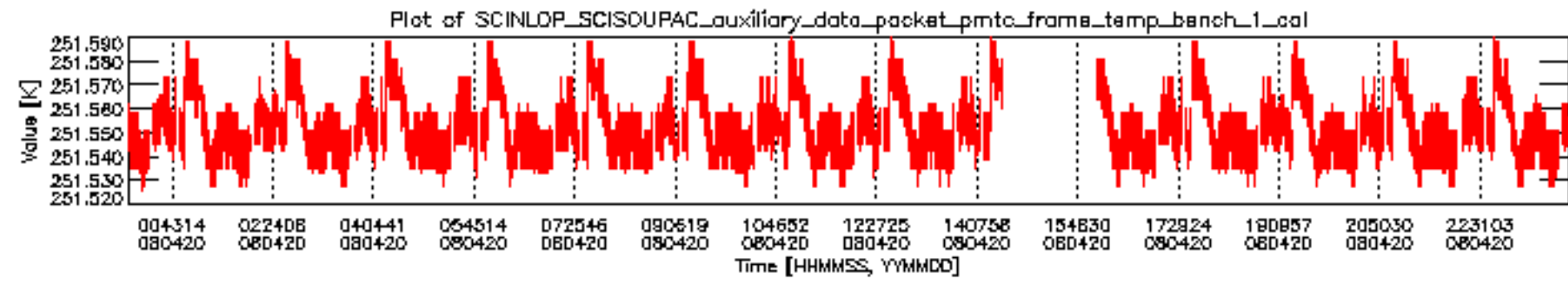
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080419_010110_20080418_183232_20080428_213920
2	AUX_FPO_AXVPDS20080420_010111_20080419_194130_20080429_210743

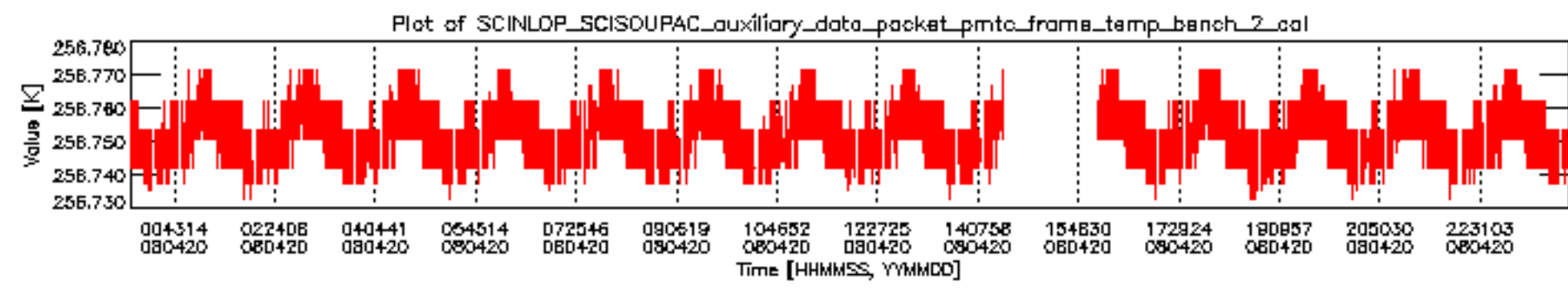


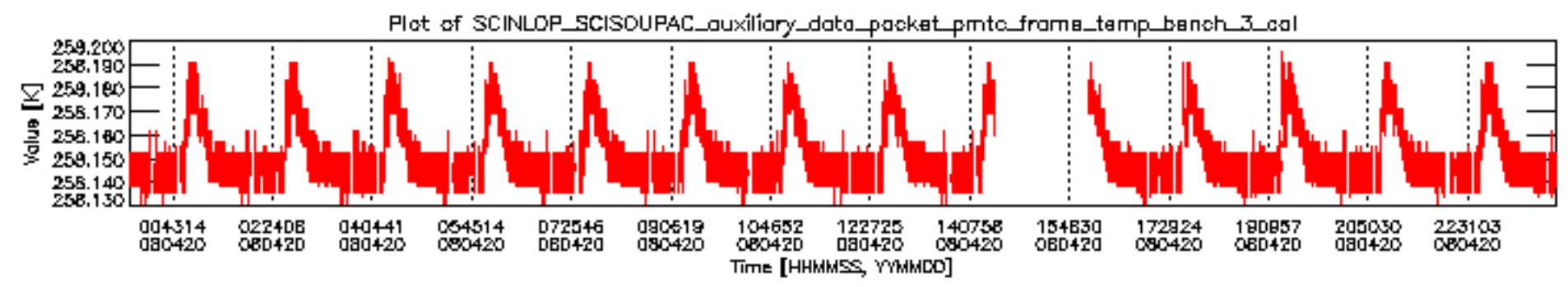
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080420_7.PNG

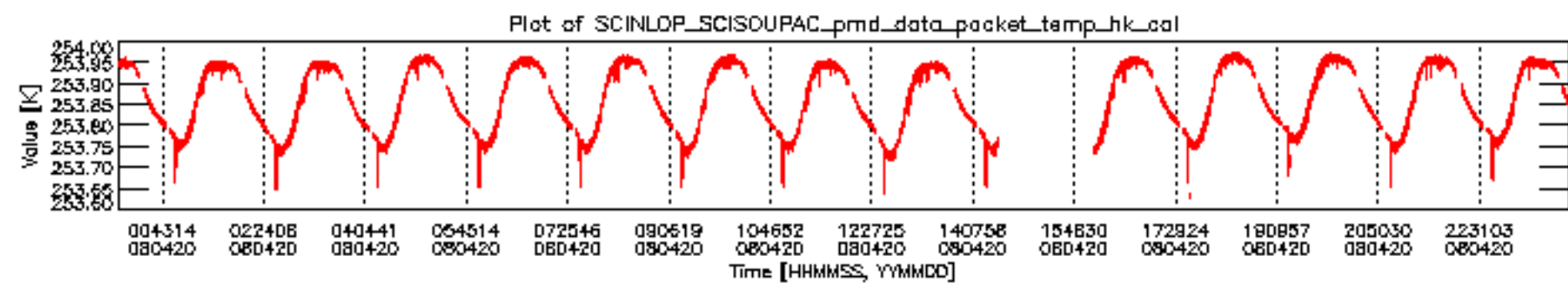


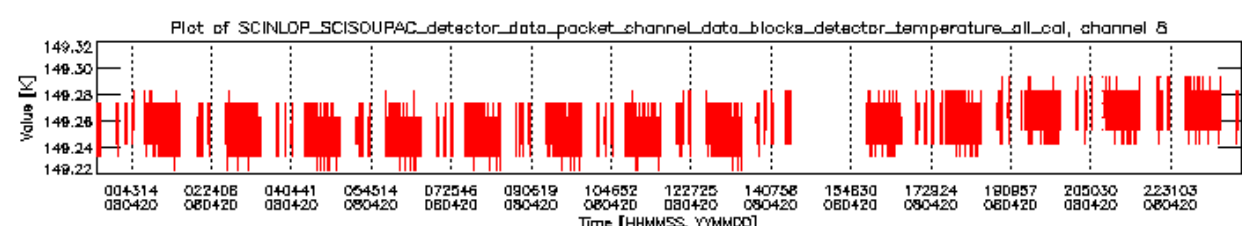
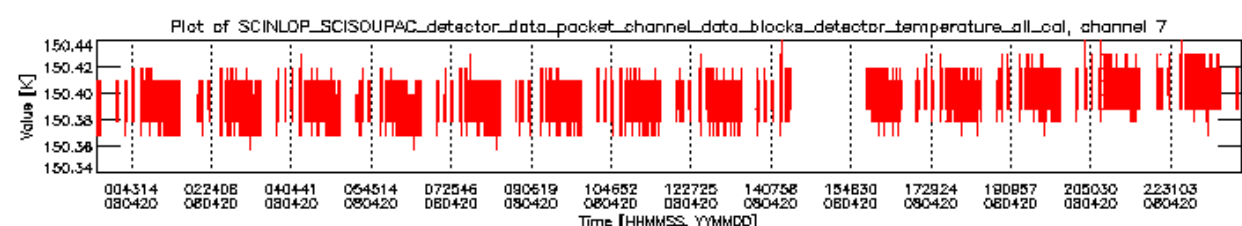
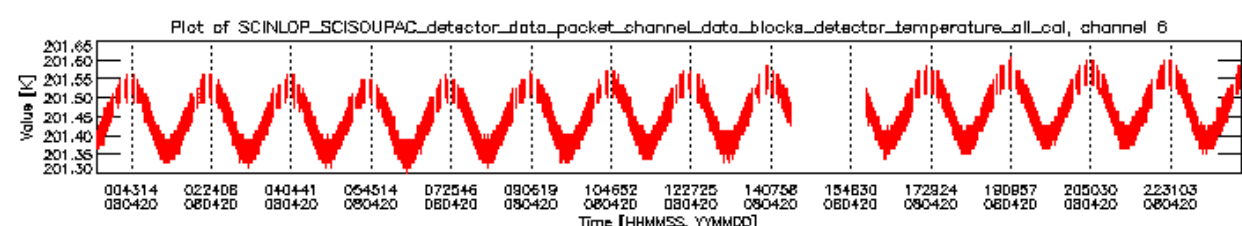
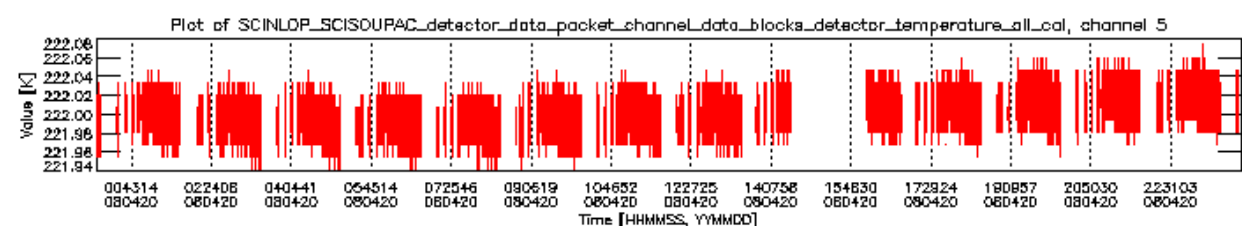
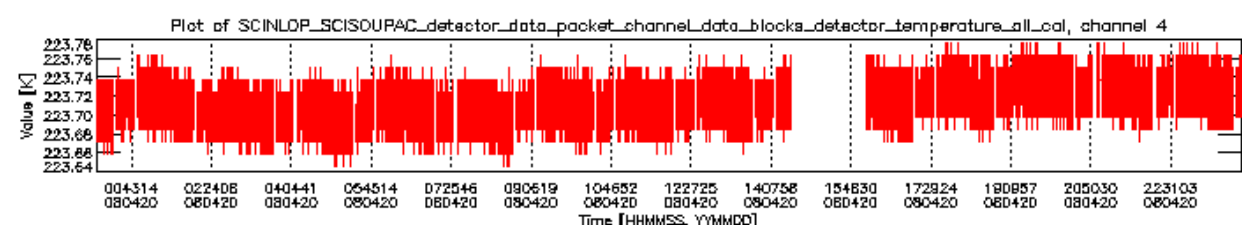
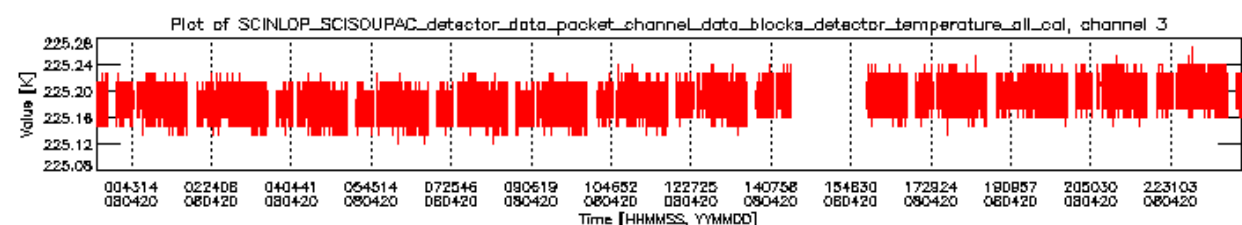
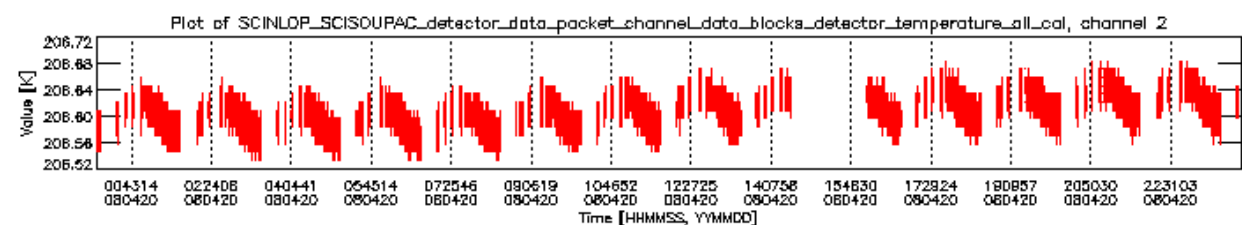
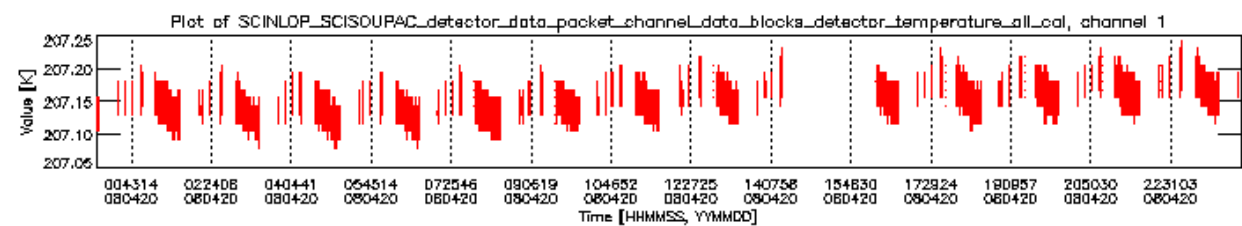
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080420_8.PNG

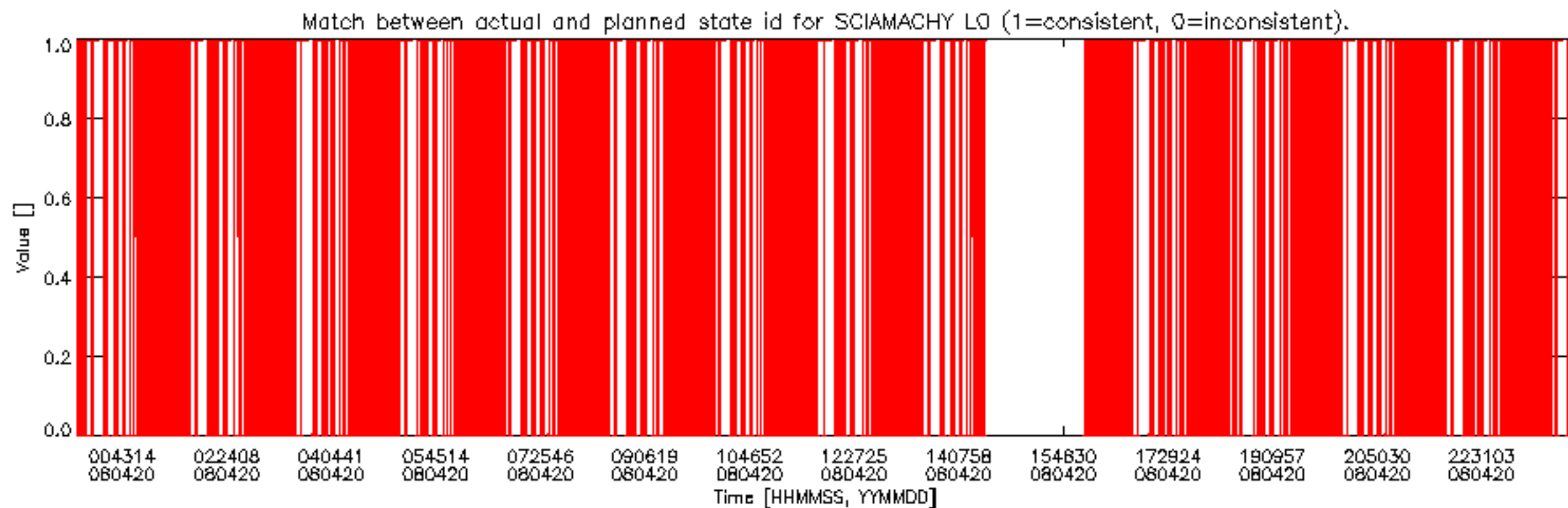
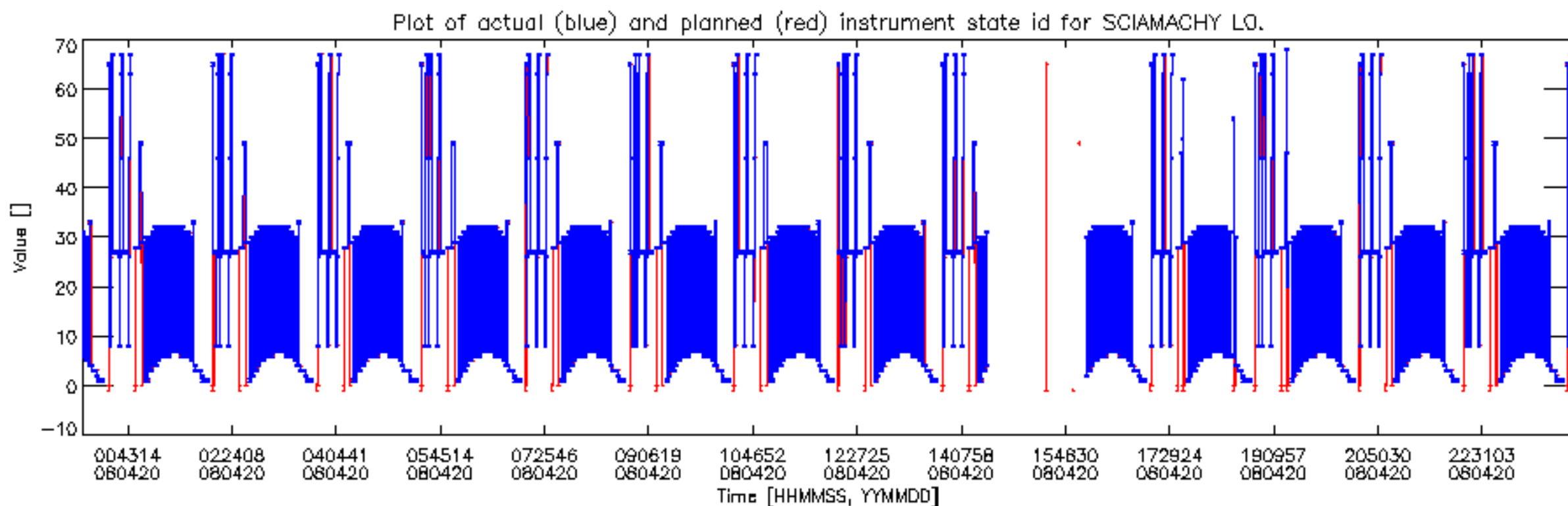












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