

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	22APR2008 05:05:51
Data source version	KSPT_L0/4303-N
Processing scope for products	18APR2008 00:00:00 to 19APR2008 00:00:00
Start time of first product within scope	17APR2008 23:54:53
Stop time of last product within scope	19APR2008 01:03:00
Total number of level 0 products	16
Number of level 0 products with errors	1

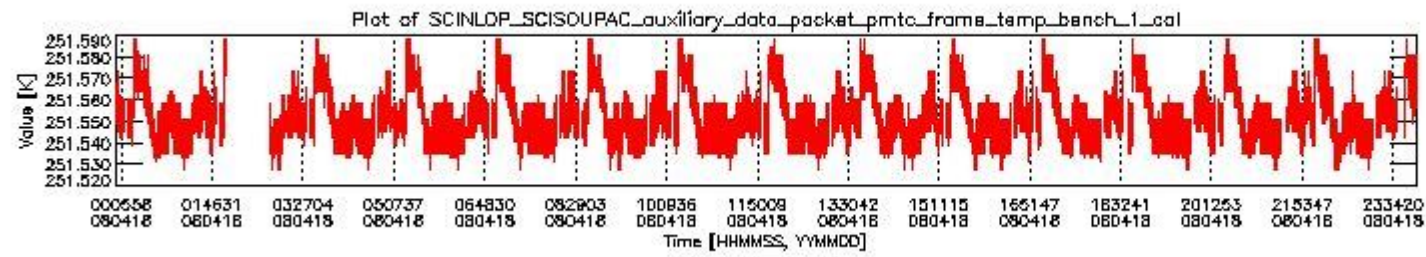
0.1.2 Summary per product

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

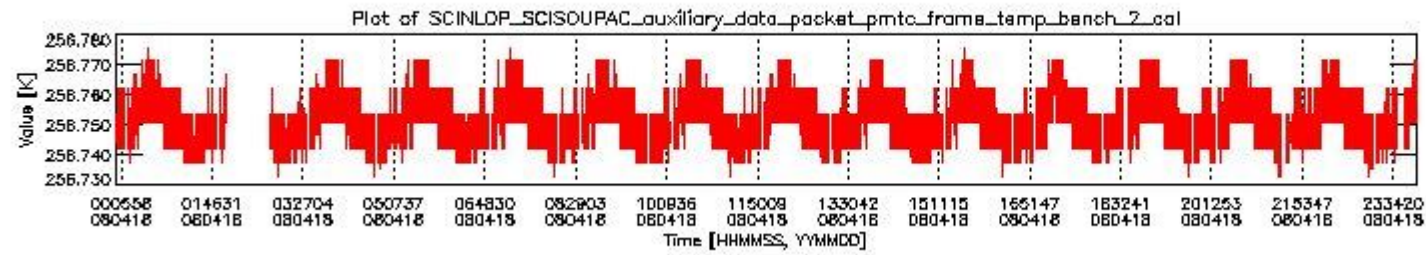
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080417_235453_000059082067_00445_32062_6343.N1	17APR2008 23:54:53	18APR2008 01:33:21	0	0	0	0	0
1	SCI_NL__OPNPDE20080418_013321_000017762067_00446_32063_6344.N1	18APR2008 01:33:21	18APR2008 02:02:57	1	1	0	0	0
2	SCI_NL__OPNPDE20080418_025039_000058432067_00447_32064_6513.N1	18APR2008 02:50:39	18APR2008 04:28:01	0	0	0	0	0
3	SCI_NL__OPNPDE20080418_042705_000060922067_00448_32065_6514.N1	18APR2008 04:27:05	18APR2008 06:08:37	0	0	0	0	0
4	SCI_NL__OPNPDK20080418_060837_000041132067_00449_32066_7980.N1	18APR2008 06:08:37	18APR2008 07:17:10	0	0	0	0	0
5	SCI_NL__OPNPDK20080418_071602_000061042067_00450_32067_7981.N1	18APR2008 07:16:02	18APR2008 08:57:46	0	0	0	0	0
6	SCI_NL__OPNPDK20080418_085746_000059672067_00451_32068_7982.N1	18APR2008 08:57:46	18APR2008 10:37:13	0	0	0	0	0
7	SCI_NL__OPNPDK20080418_103617_000060912067_00452_32069_7983.N1	18APR2008 10:36:17	18APR2008 12:17:48	0	0	0	0	0
8	SCI_NL__OPNPDK20080418_121652_000059672067_00453_32070_7984.N1	18APR2008 12:16:52	18APR2008 13:56:19	0	0	0	0	0
9	SCI_NL__OPNPDK20080418_135523_000059672067_00454_32071_7985.N1	18APR2008 13:55:23	18APR2008 15:34:50	0	0	0	0	0
10	SCI_NL__OPNPDK20080418_153246_000058052067_00455_32072_7986.N1	18APR2008 15:32:46	18APR2008 17:09:31	0	0	0	0	0
11	SCI_NL__OPNPDK20080418_170835_000060842067_00456_32073_7987.N1	18APR2008 17:08:35	18APR2008 18:49:59	0	0	0	0	0
12	SCI_NL__OPNPDK20080418_184925_000060222067_00457_32074_7988.N1	18APR2008 18:49:25	18APR2008 20:29:47	0	0	0	0	0
13	SCI_NL__OPNPDE20080418_202830_000044002067_00458_32075_6515.N1	18APR2008 20:28:30	18APR2008 21:41:51	0	0	0	0	0
14	SCI_NL__OPNPDE20080418_213940_000062082067_00458_32075_6516.N1	18APR2008 21:39:40	18APR2008 23:23:09	0	0	0	0	0
15	SCI_NL__OPNPDE20080418_232101_000061192067_00459_32076_6517.N1	18APR2008 23:21:01	19APR2008 01:03:00	0	0	0	0	0

0.2 Product Quality Indicators

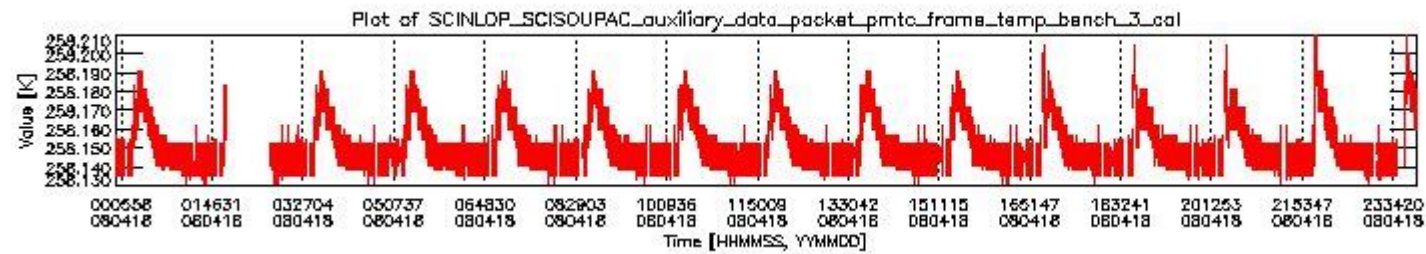
This section shows information about product quality, currently temperatures.



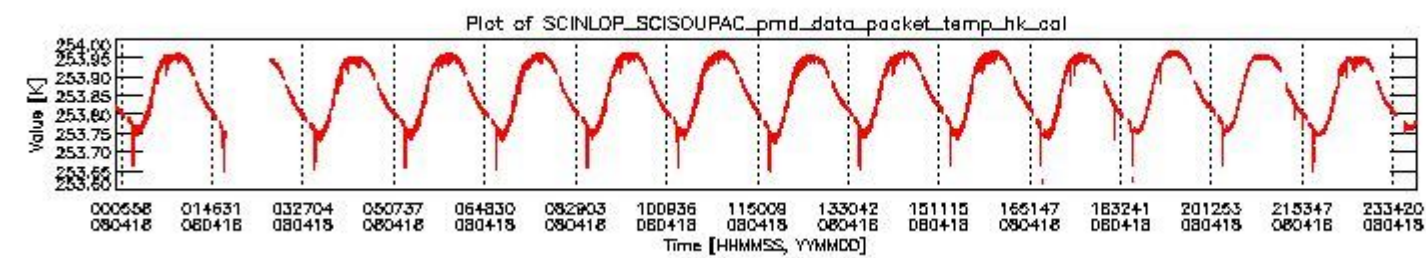
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080418_0.PNG



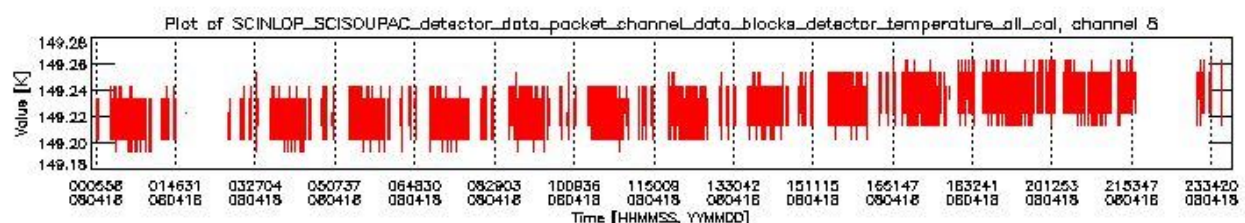
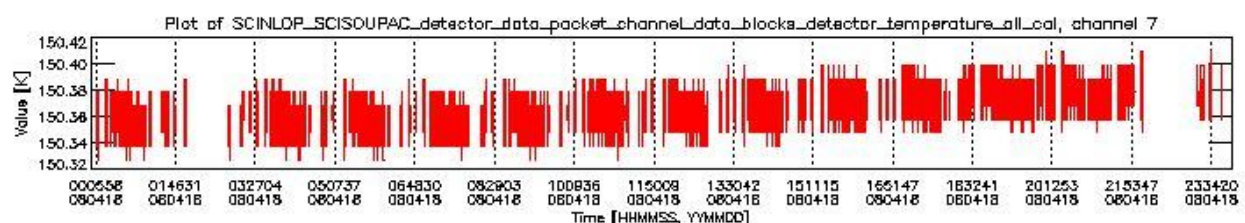
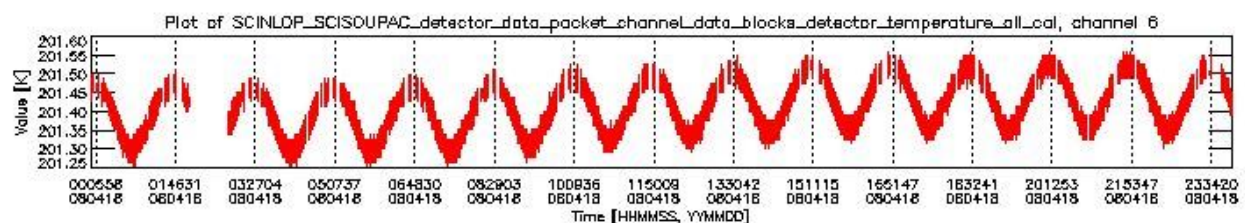
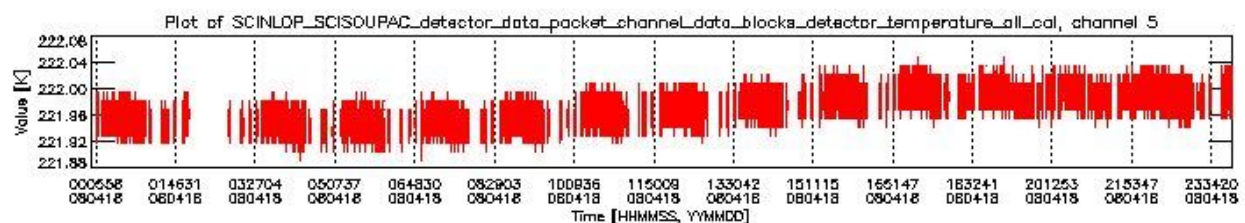
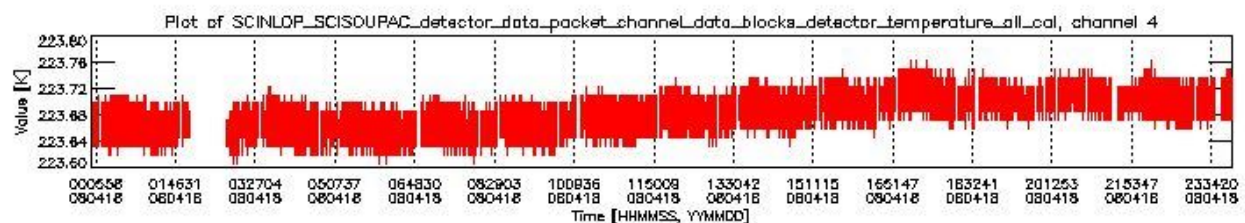
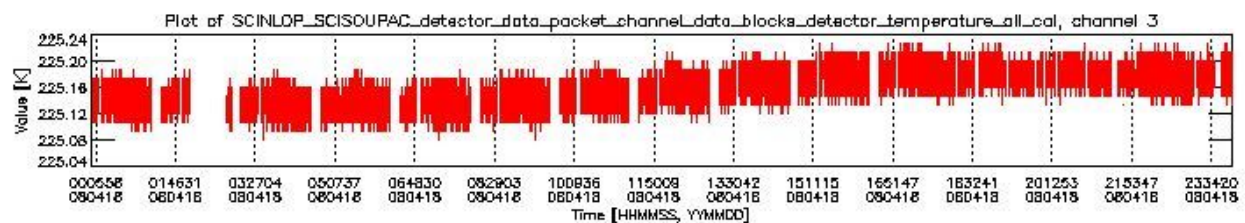
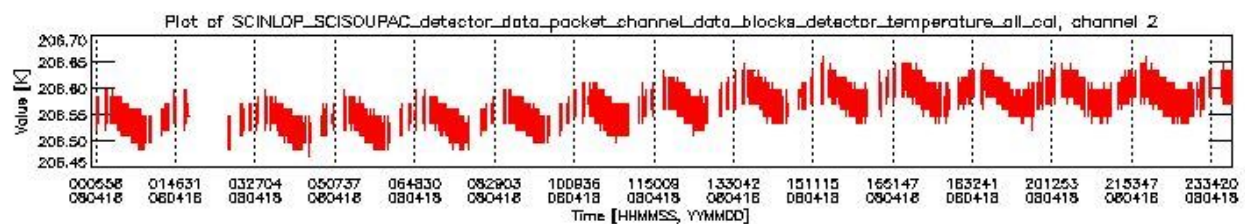
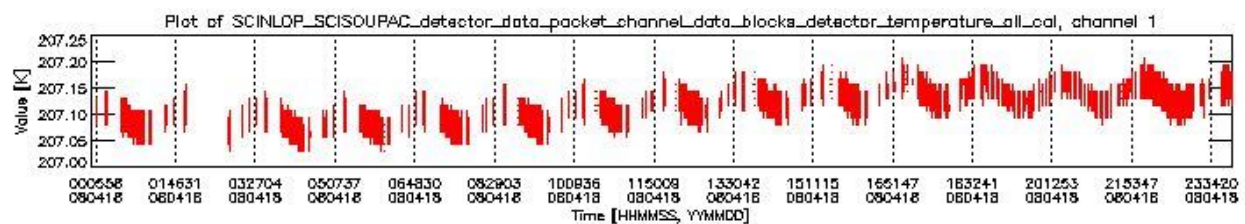
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080418_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080418_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080418_3.PNG

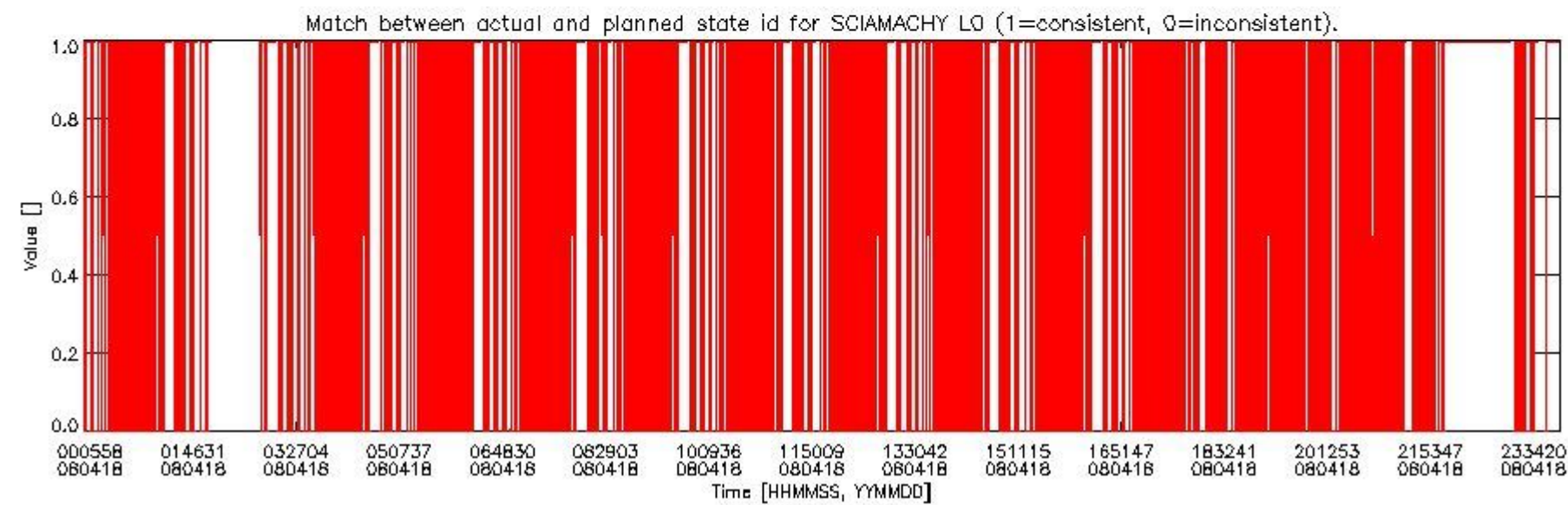
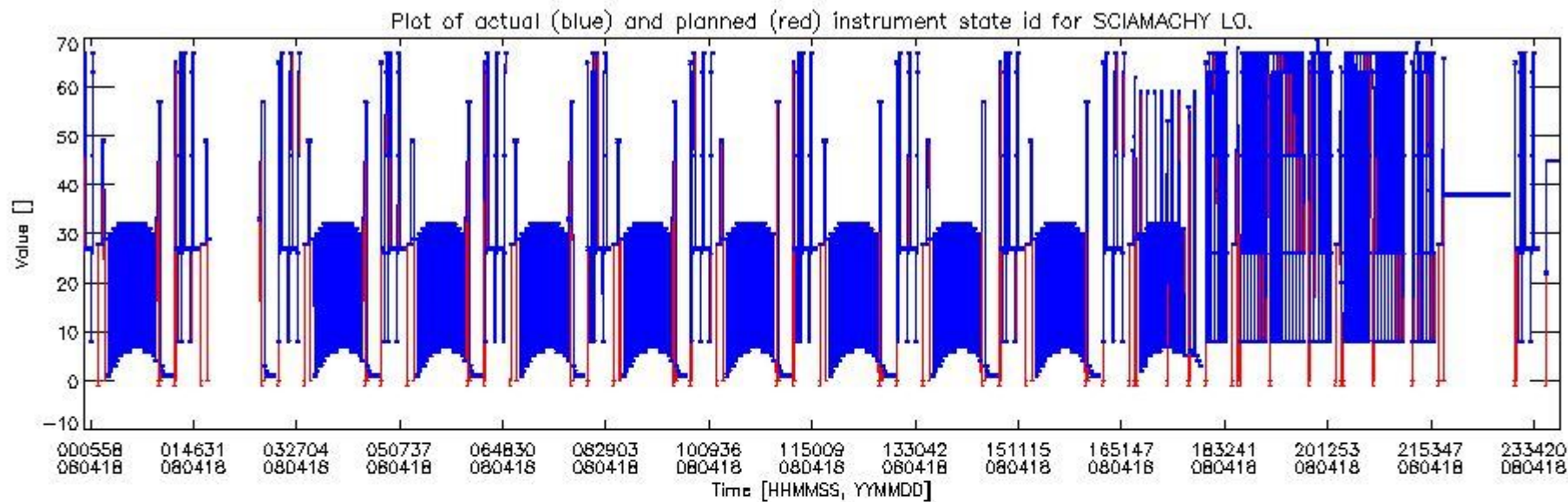


0.3 State monitoring

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: **39100**

#	Actual time	Actual value	Planned time	Planned value
0	18APR2008 00:00:00.015570	67	18APR2008 00:00:00.015570	63
1	18APR2008 00:00:00.140575	67	18APR2008 00:00:00.140575	63
2	18APR2008 00:00:00.265579	67	18APR2008 00:00:00.265579	63
3	18APR2008 00:00:00.390583	67	18APR2008 00:00:00.390583	63
4	18APR2008 00:00:00.515588	67	18APR2008 00:00:00.515588	63
5	18APR2008 00:00:00.640592	67	18APR2008 00:00:00.640592	63
6	18APR2008 00:00:00.765556	67	18APR2008 00:00:00.765556	63
7	18APR2008 00:00:00.890560	67	18APR2008 00:00:00.890560	63
8	18APR2008 00:00:01.015565	67	18APR2008 00:00:01.015565	63
9	18APR2008 00:00:01.140569	67	18APR2008 00:00:01.140569	63
10	18APR2008 00:00:01.265574	67	18APR2008 00:00:01.265574	63
11	18APR2008 00:00:01.390578	67	18APR2008 00:00:01.390578	63
12	18APR2008 00:00:01.515582	67	18APR2008 00:00:01.515582	63
13	18APR2008 00:00:01.640587	67	18APR2008 00:00:01.640587	63
14	18APR2008 00:00:01.765591	67	18APR2008 00:00:01.765591	63
15	18APR2008 00:00:01.890555	67	18APR2008 00:00:01.890555	63
16	18APR2008 00:00:02.015559	67	18APR2008 00:00:02.015559	63
17	18APR2008 00:00:02.140564	67	18APR2008 00:00:02.140564	63
18	18APR2008 00:00:02.265568	67	18APR2008 00:00:02.265568	63
19	18APR2008 00:00:02.390572	67	18APR2008 00:00:02.390572	63

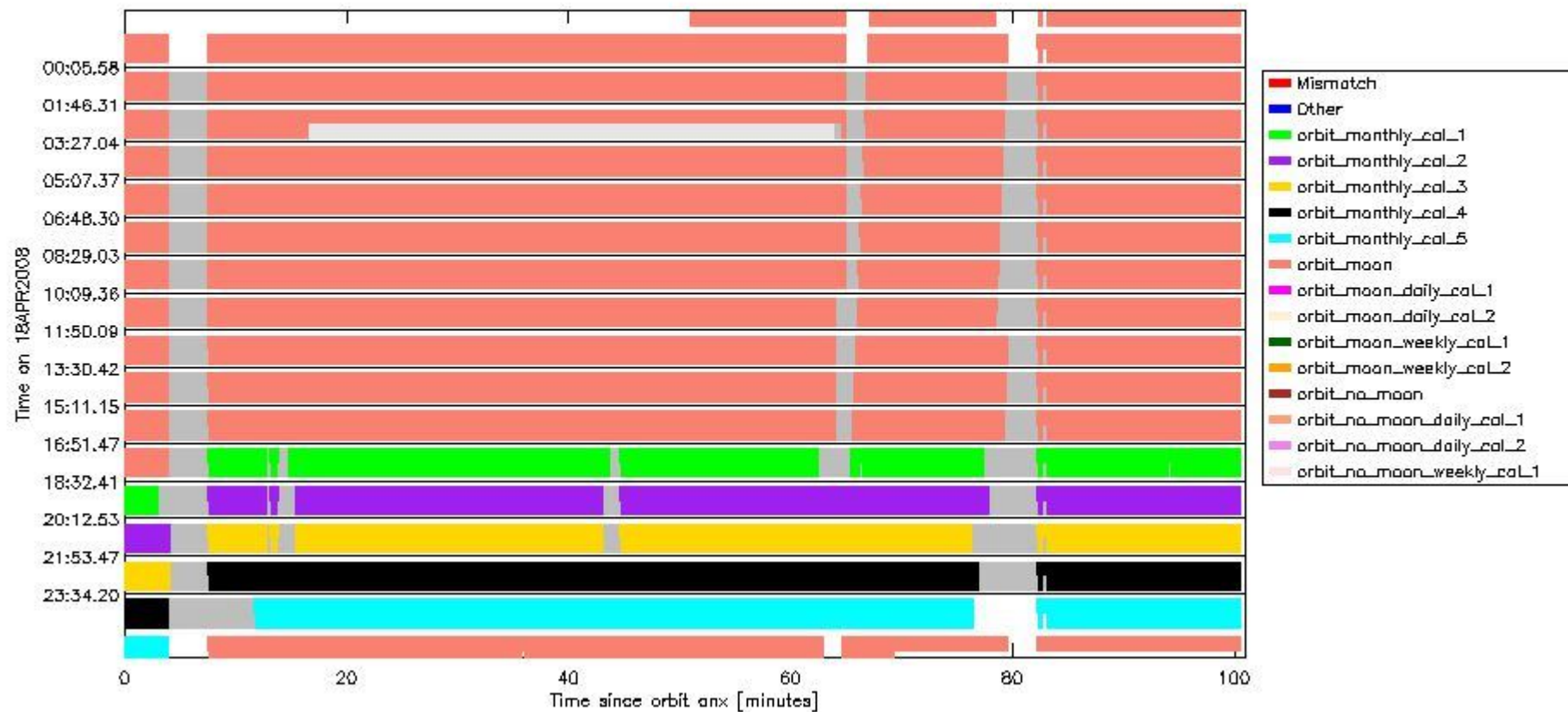


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080418_5.PNG

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 18APR2008.
 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_20080418_6.PNG

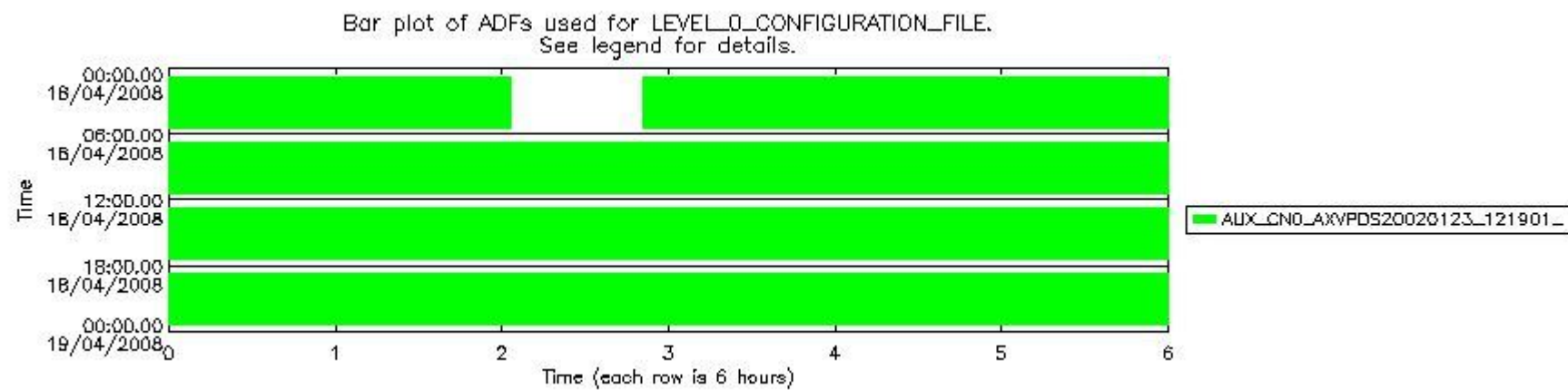
0.4 ADF monitoring

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

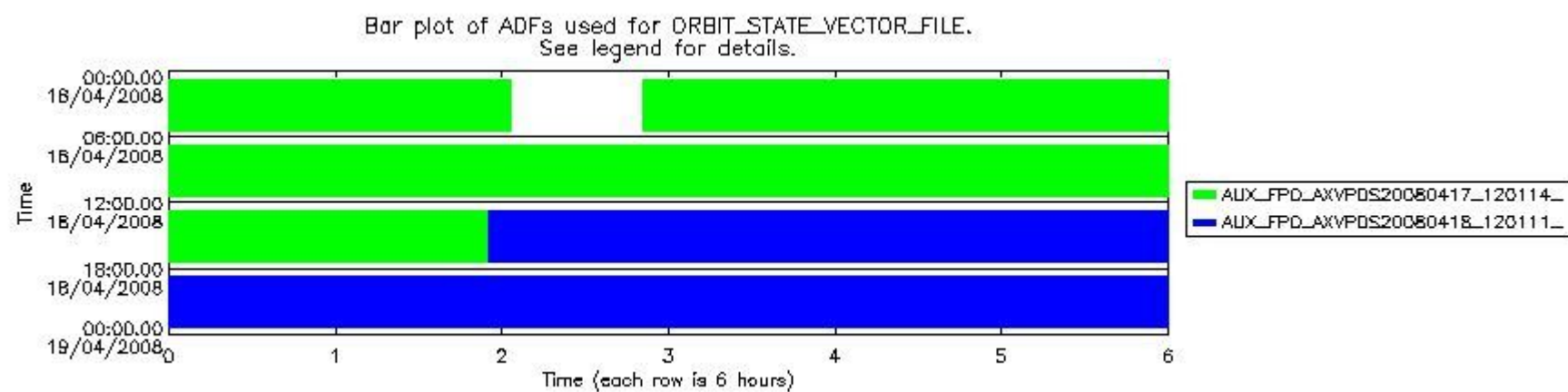
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

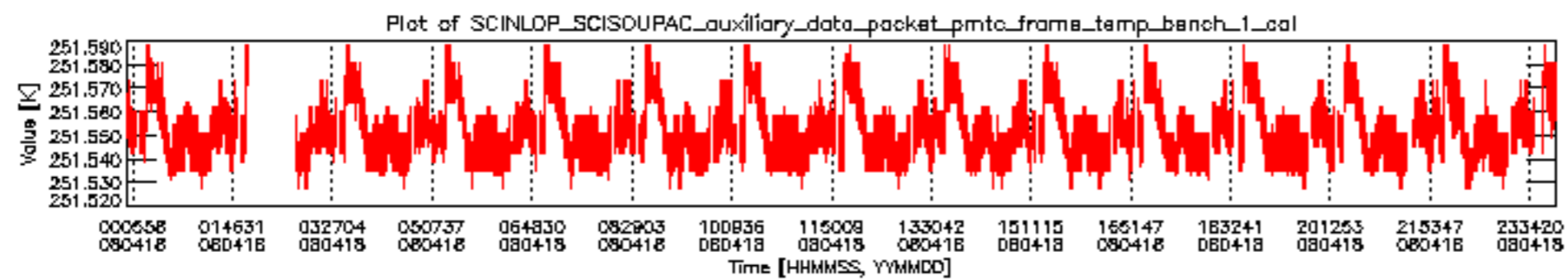
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080417_120114_20080417_071957_20080426_224234
2	AUX_FPO_AXVPDS20080418_120111_20080417_190409_20080427_203021

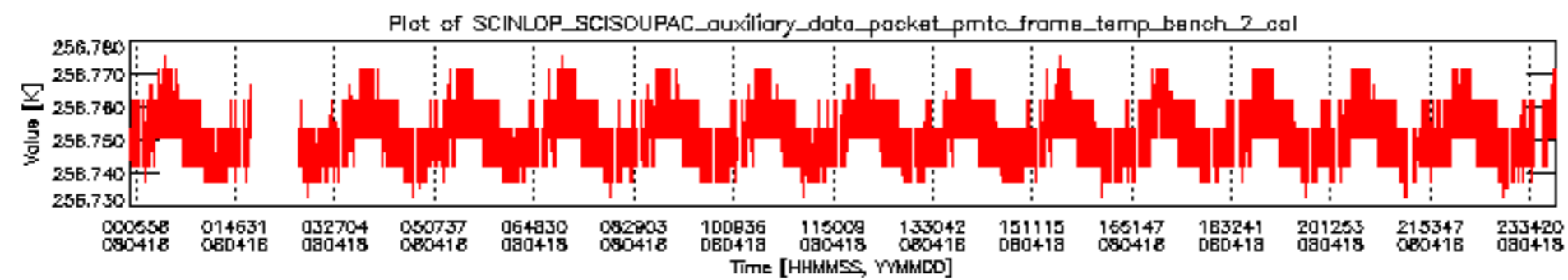


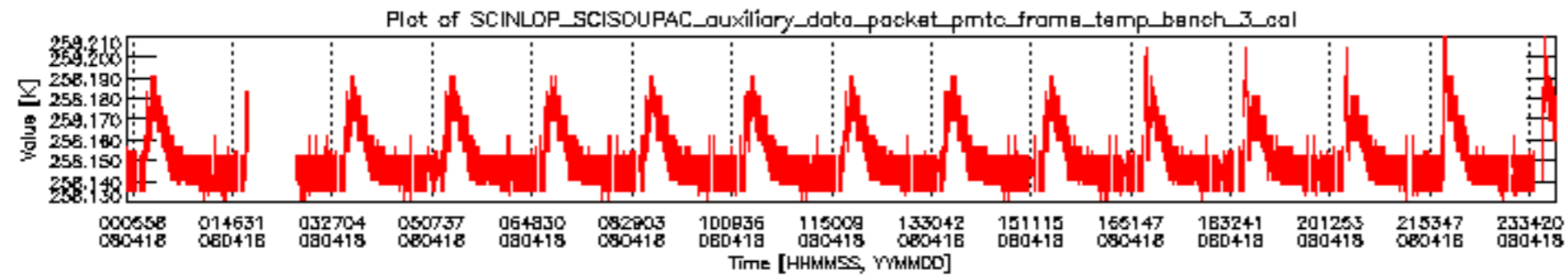
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080418_7.PNG

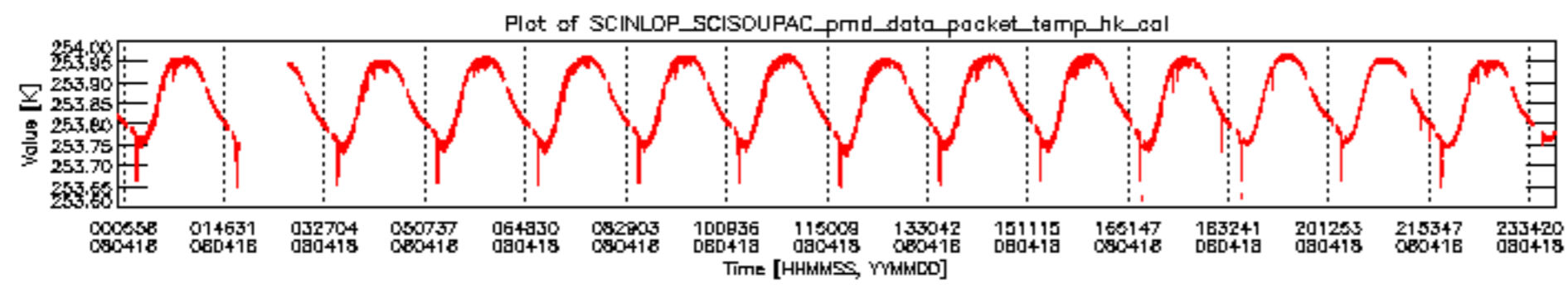


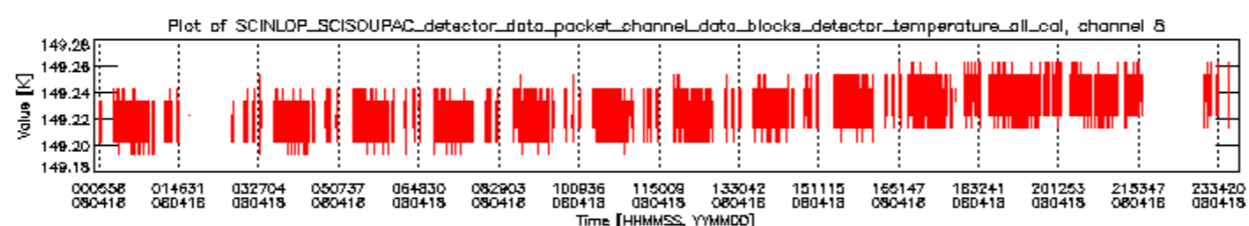
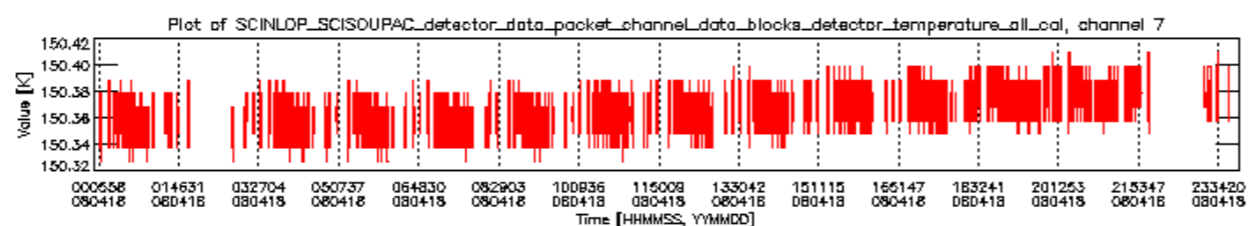
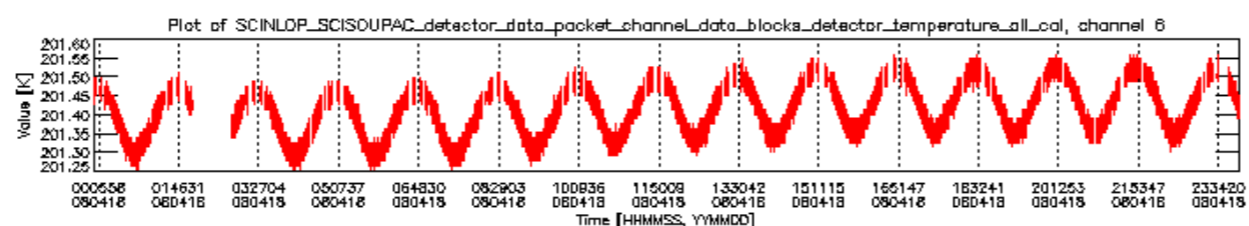
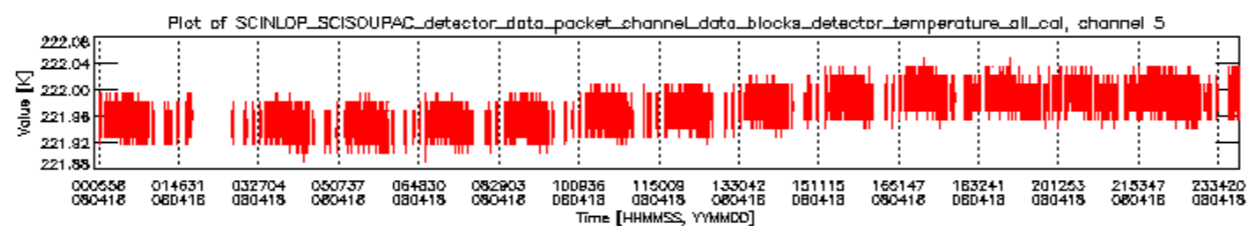
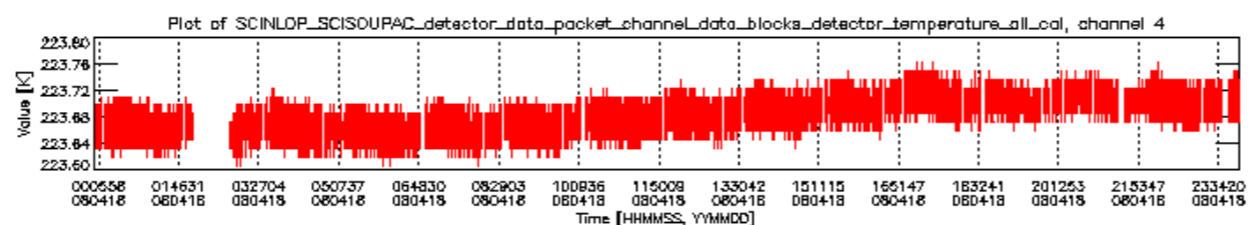
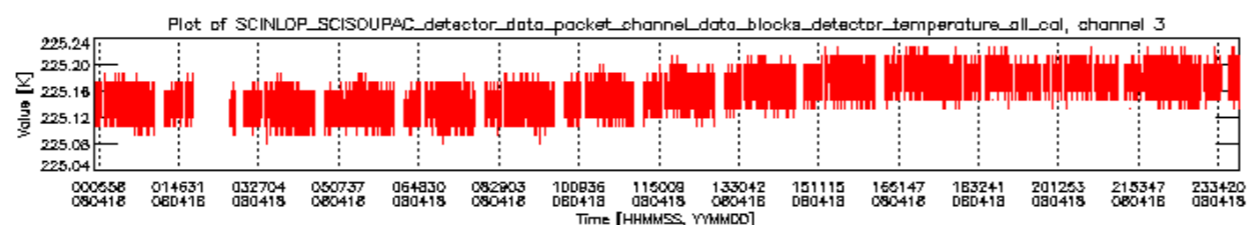
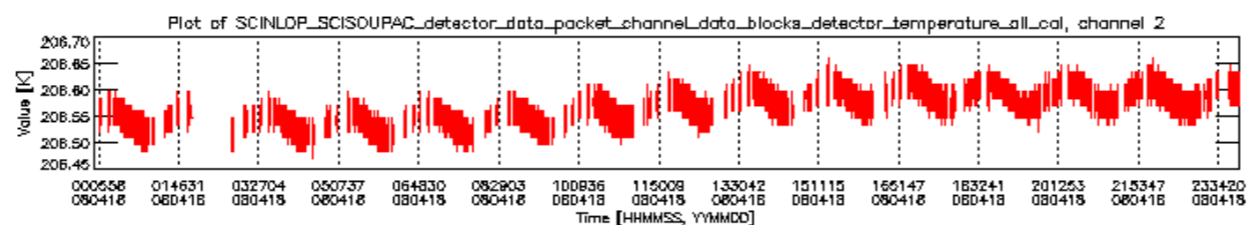
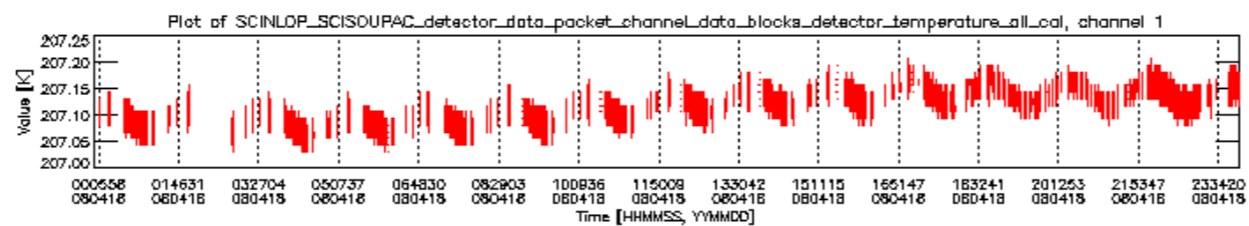
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080418_8.PNG

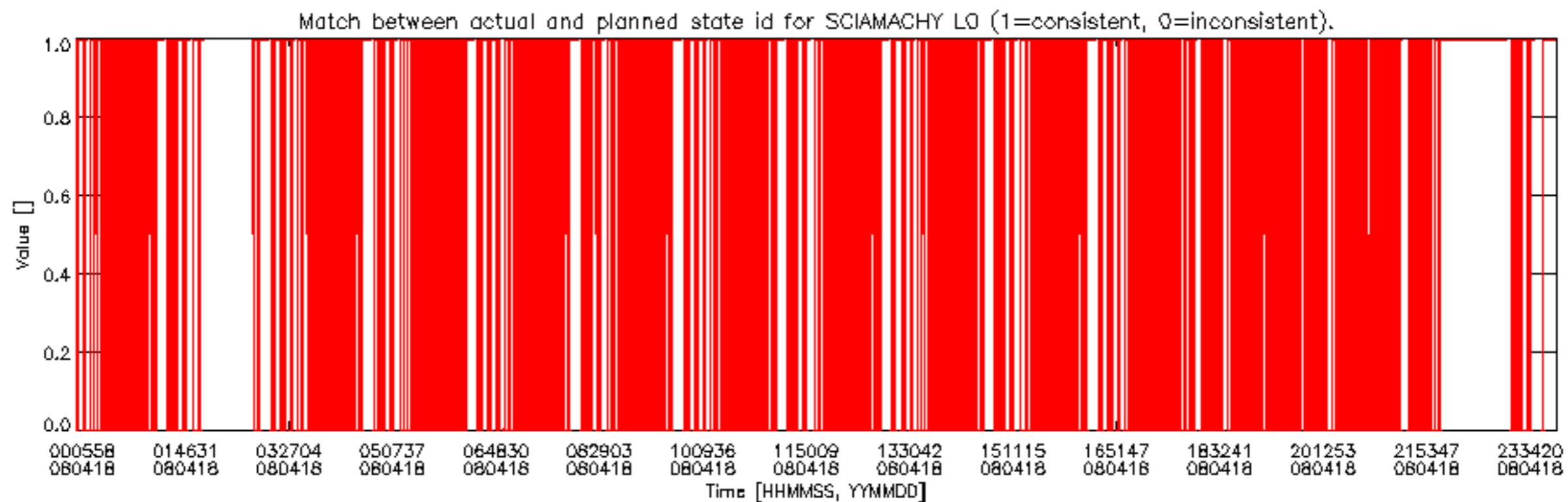
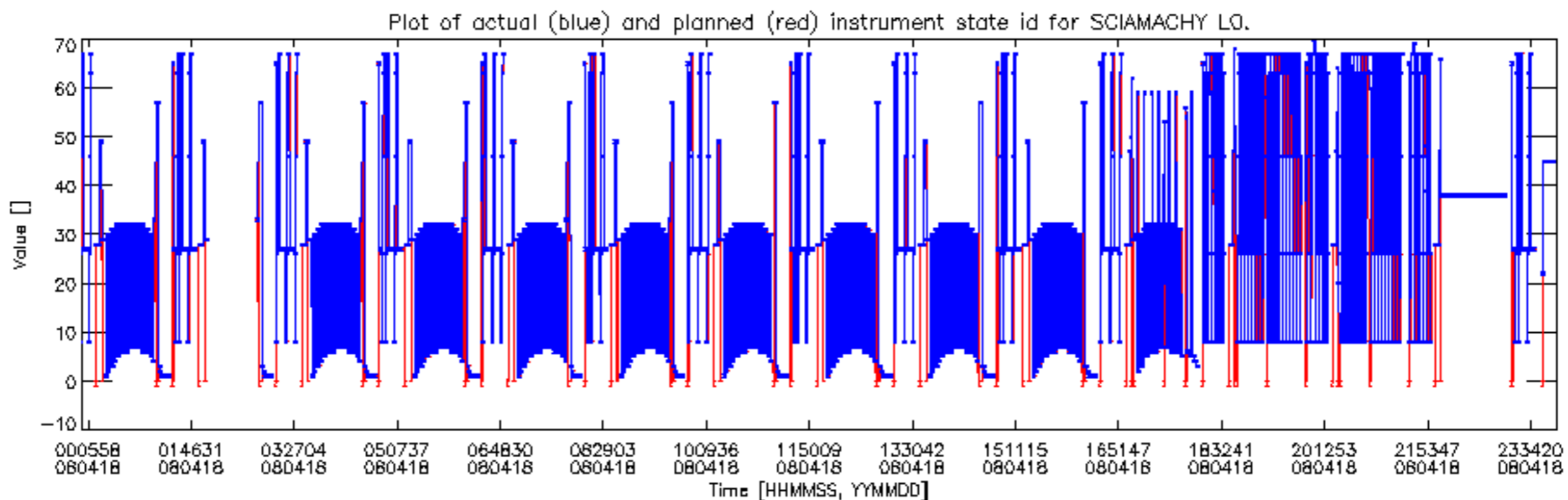












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