

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	06OCT2008 06:12:45
Data source version	KSPT_L0/4303-N
Processing scope for products	02OCT2008 00:00:00 to 03OCT2008 00:00:00
Start time of first product within scope	01OCT2008 23:05:03
Stop time of last product within scope	03OCT2008 00:14:56
Total number of level 0 products	16
Number of level 0 products with errors	0

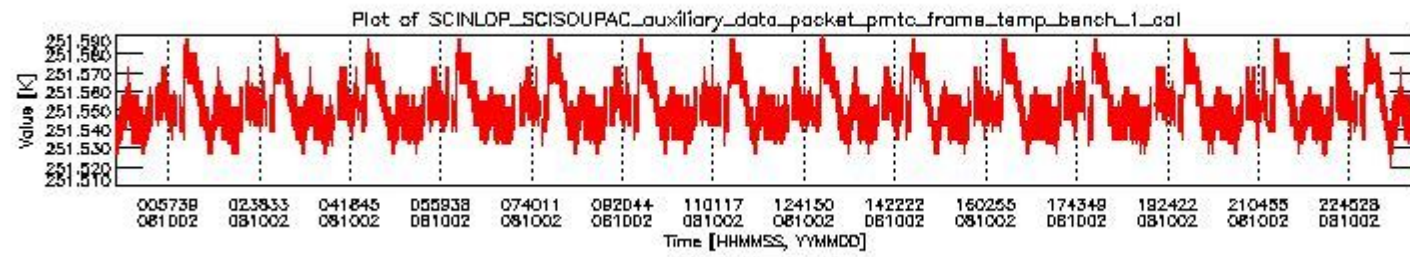
0.1.2 Summary per product

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

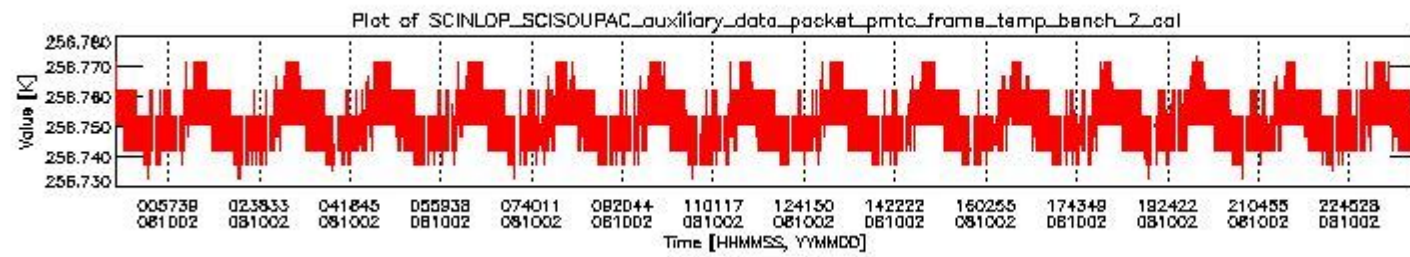
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081001_230503_000061172072_00330_34452_7621.N1	01OCT2008 23:05:03	02OCT2008 00:46:59	0	0	0	0	0
1	SCI_NL__OPNPDE20081002_004612_000055642072_00331_34453_7622.N1	02OCT2008 00:46:12	02OCT2008 02:18:56	0	0	0	0	0
2	SCI_NL__OPNPDE20081002_022448_000043652072_00332_34454_7623.N1	02OCT2008 02:24:48	02OCT2008 03:37:32	0	0	0	0	0
3	SCI_NL__OPNPDE20081002_033636_000061612072_00333_34455_7624.N1	02OCT2008 03:36:36	02OCT2008 05:19:17	0	0	0	0	0
4	SCI_NL__OPNPDE20081002_051917_000060372072_00334_34456_7625.N1	02OCT2008 05:19:17	02OCT2008 06:59:54	0	0	0	0	0
5	SCI_NL__OPNPDK20081002_065954_000040462072_00335_34457_9551.N1	02OCT2008 06:59:54	02OCT2008 08:07:20	0	0	0	0	0
6	SCI_NL__OPNPDK20081002_080624_000062732072_00336_34458_9552.N1	02OCT2008 08:06:24	02OCT2008 09:50:56	0	0	0	0	0
7	SCI_NL__OPNPDK20081002_095000_000059122072_00337_34459_9553.N1	02OCT2008 09:50:00	02OCT2008 11:28:32	0	0	0	0	0
8	SCI_NL__OPNPDK20081002_112736_000059682072_00338_34460_9554.N1	02OCT2008 11:27:36	02OCT2008 13:07:04	0	0	0	0	0
9	SCI_NL__OPNPDK20081002_130556_000059252072_00339_34461_9555.N1	02OCT2008 13:05:56	02OCT2008 14:44:41	0	0	0	0	0
10	SCI_NL__OPNPDK20081002_144236_000060922072_00340_34462_9556.N1	02OCT2008 14:42:36	02OCT2008 16:24:08	0	0	0	0	0
11	SCI_NL__OPNPDK20081002_162217_000058432072_00341_34463_9557.N1	02OCT2008 16:22:17	02OCT2008 17:59:39	0	0	0	0	0
12	SCI_NL__OPNPDK20081002_175939_000060372072_00342_34464_9559.N1	02OCT2008 17:59:39	02OCT2008 19:40:16	0	0	0	0	0
13	SCI_NL__OPNPDE20081002_193919_000039862072_00343_34465_7626.N1	02OCT2008 19:39:19	02OCT2008 20:45:45	0	0	0	0	0
14	SCI_NL__OPNPDE20081002_205129_000062122072_00343_34465_7627.N1	02OCT2008 20:51:29	02OCT2008 22:35:01	0	0	0	0	0
15	SCI_NL__OPNPDE20081002_223417_000060392072_00344_34466_7628.N1	02OCT2008 22:34:17	03OCT2008 00:14:56	0	0	0	0	0

0.2 Product Quality Indicators

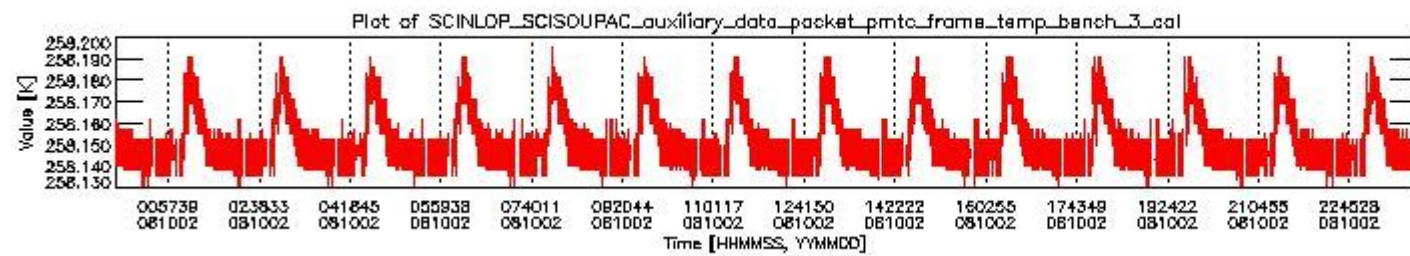
This section shows information about product quality, currently temperatures.



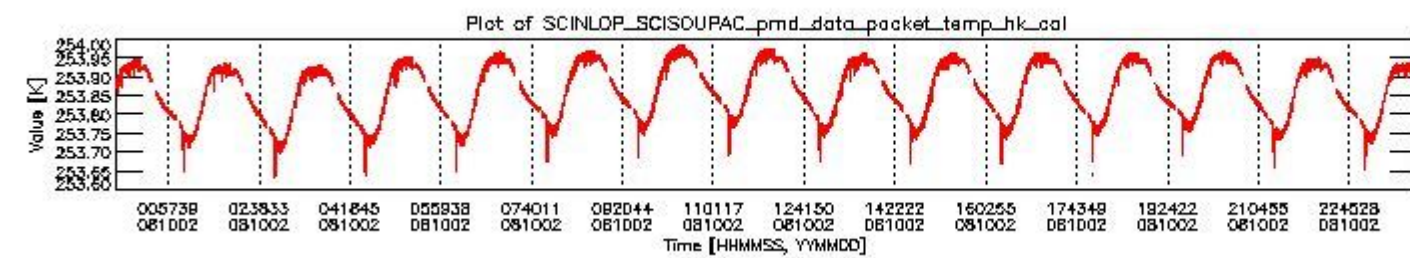
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081002_0.PNG



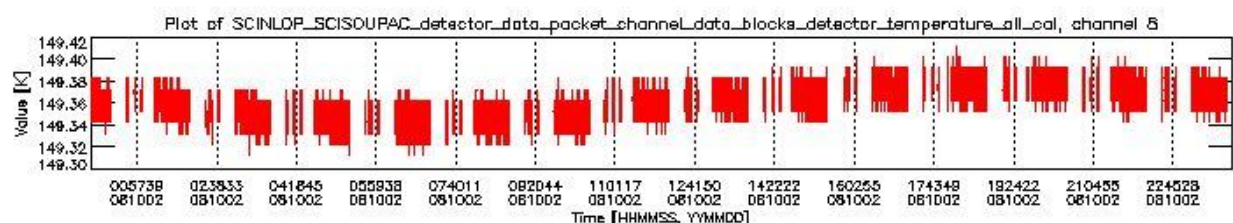
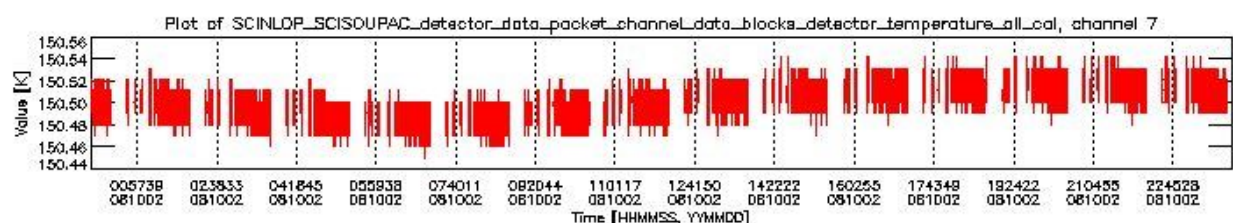
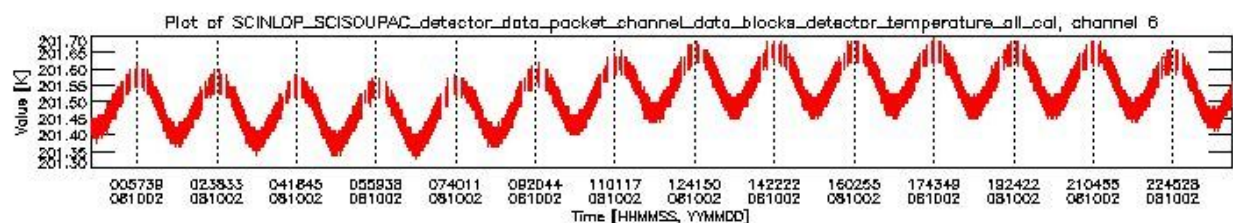
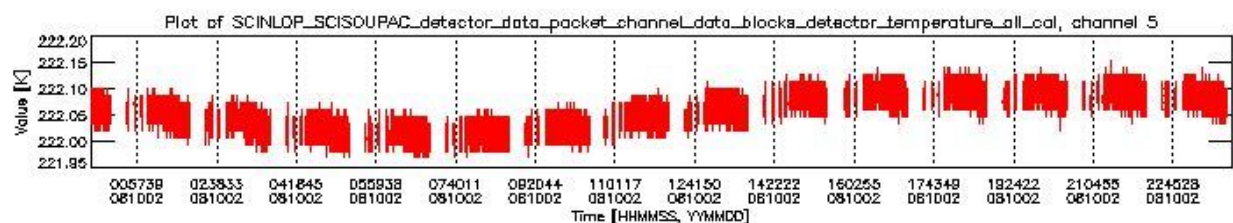
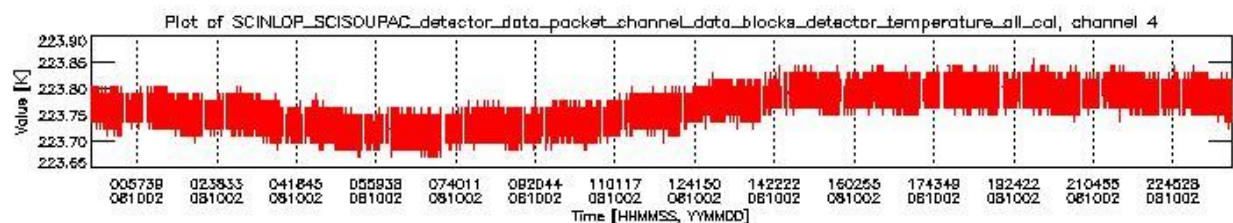
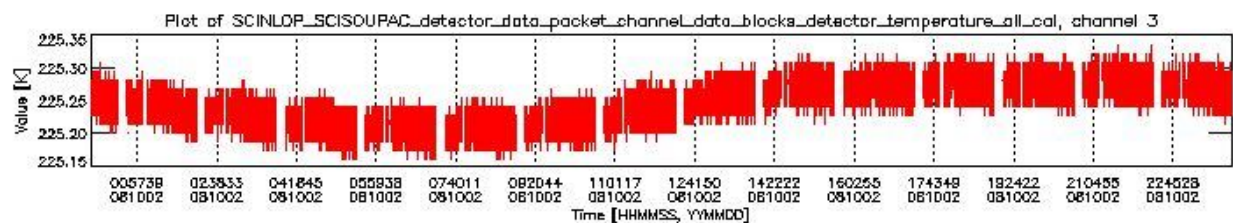
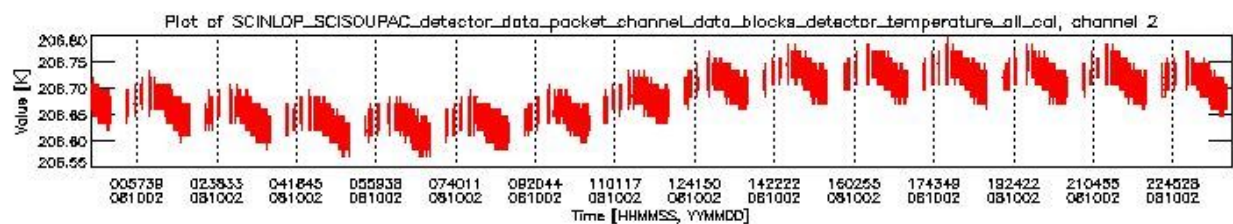
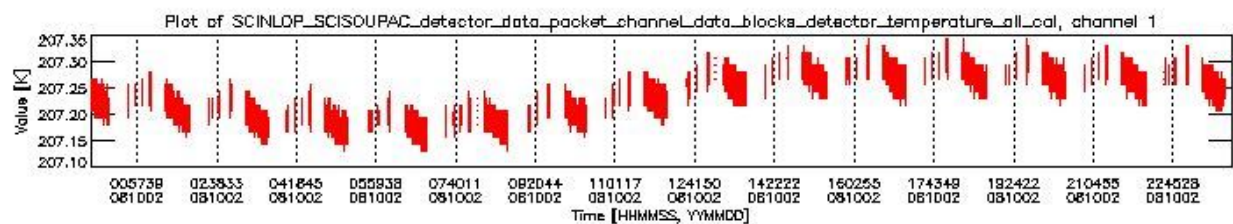
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081002_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081002_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081002_3.PNG

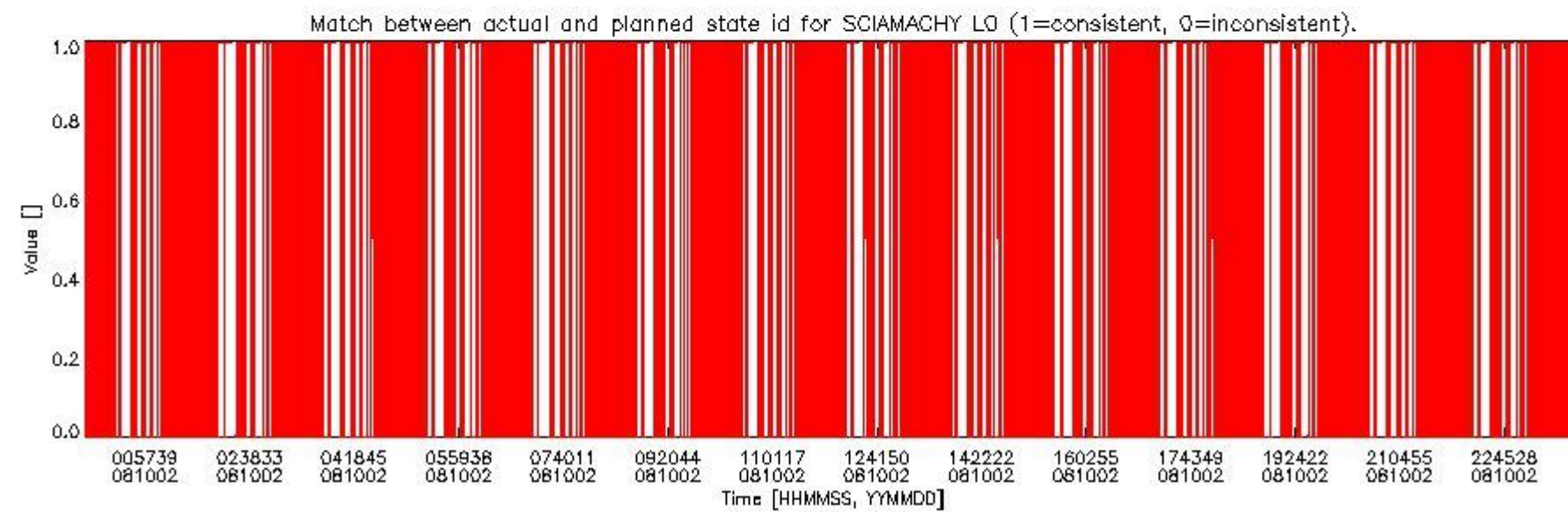
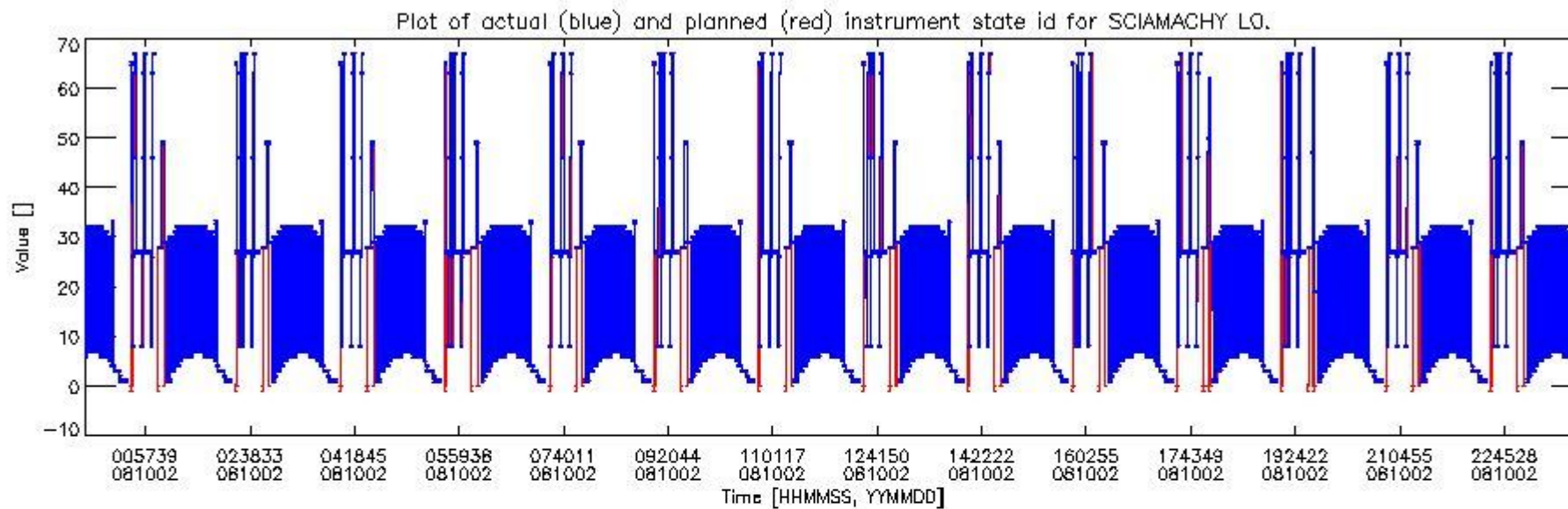


0.3 State monitoring

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: **45037**

#	Actual time	Actual value	Planned time	Planned value
0	02OCT2008 00:00:53.141615	32	02OCT2008 00:00:53.141615	6
1	02OCT2008 00:00:53.766596	32	02OCT2008 00:00:53.766596	6
2	02OCT2008 00:00:54.141609	32	02OCT2008 00:00:54.141609	6
3	02OCT2008 00:00:54.516622	32	02OCT2008 00:00:54.516622	6
4	02OCT2008 00:00:55.079122	32	02OCT2008 00:00:55.079122	6
5	02OCT2008 00:00:55.454095	32	02OCT2008 00:00:55.454095	6
6	02OCT2008 00:00:55.829108	32	02OCT2008 00:00:55.829108	6
7	02OCT2008 00:00:56.204121	32	02OCT2008 00:00:56.204121	6
8	02OCT2008 00:00:56.766620	32	02OCT2008 00:00:56.766620	6
9	02OCT2008 00:00:57.141593	32	02OCT2008 00:00:57.141593	6
10	02OCT2008 00:00:57.516606	32	02OCT2008 00:00:57.516606	6
11	02OCT2008 00:00:57.891619	32	02OCT2008 00:00:57.891619	6
12	02OCT2008 00:00:58.141588	32	02OCT2008 00:00:58.141588	6
13	02OCT2008 00:00:58.454119	32	02OCT2008 00:00:58.454119	6
14	02OCT2008 00:00:58.829091	32	02OCT2008 00:00:58.829091	6
15	02OCT2008 00:00:59.204105	32	02OCT2008 00:00:59.204105	6
16	02OCT2008 00:00:59.579118	32	02OCT2008 00:00:59.579118	6
17	02OCT2008 00:01:00.141617	32	02OCT2008 00:01:00.141617	6
18	02OCT2008 00:01:00.516590	32	02OCT2008 00:01:00.516590	6
19	02OCT2008 00:01:00.891603	32	02OCT2008 00:01:00.891603	6

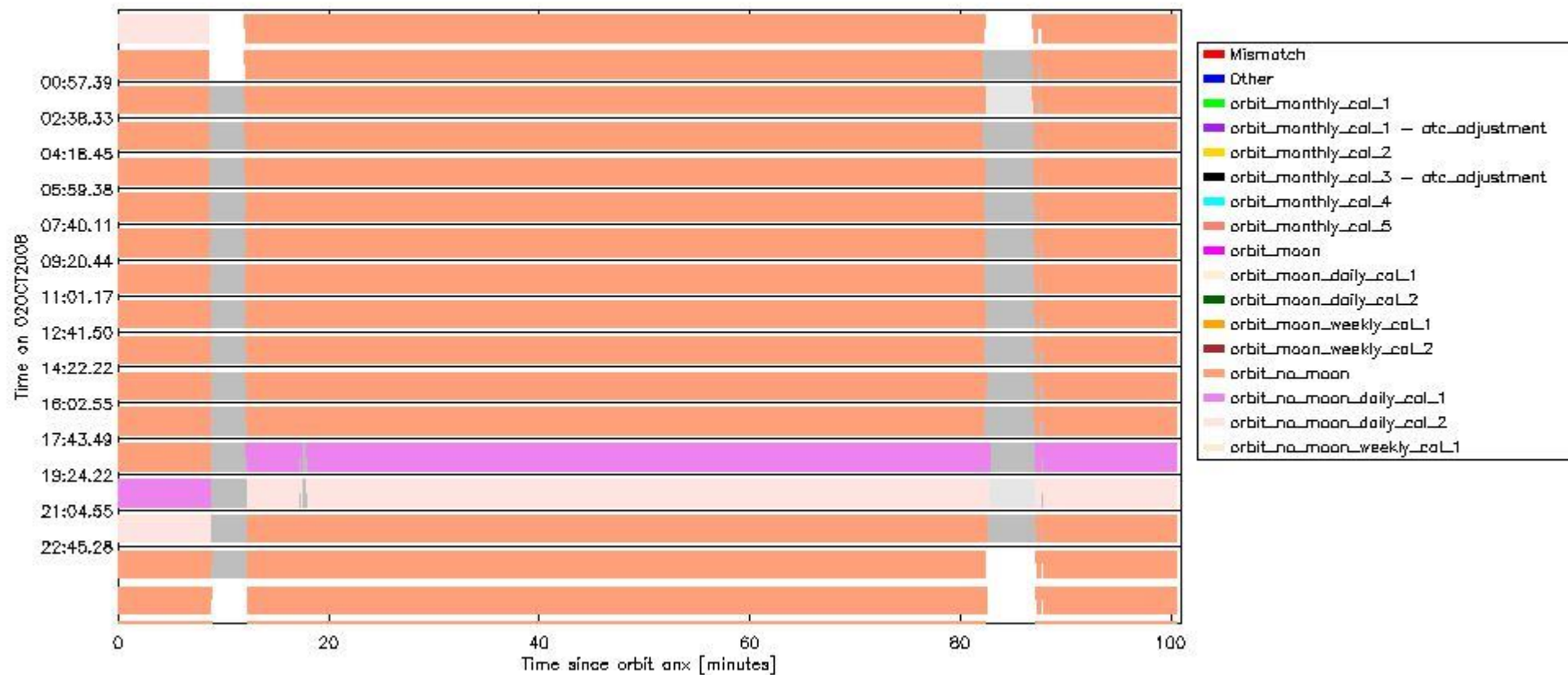


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081002_5.PNG

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 02OCT2008.
 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_20081002_6.PNG

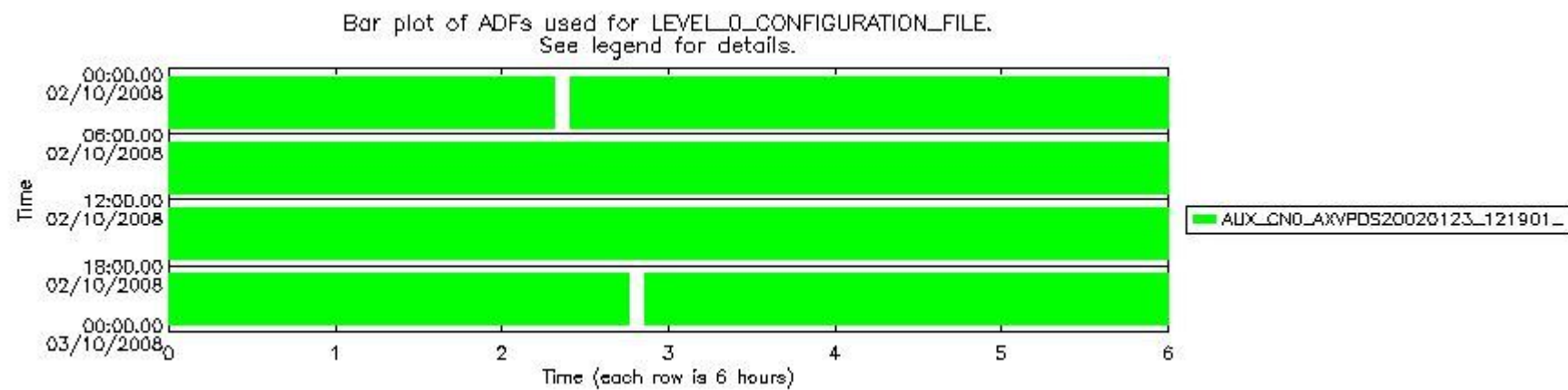
0.4 ADF monitoring

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

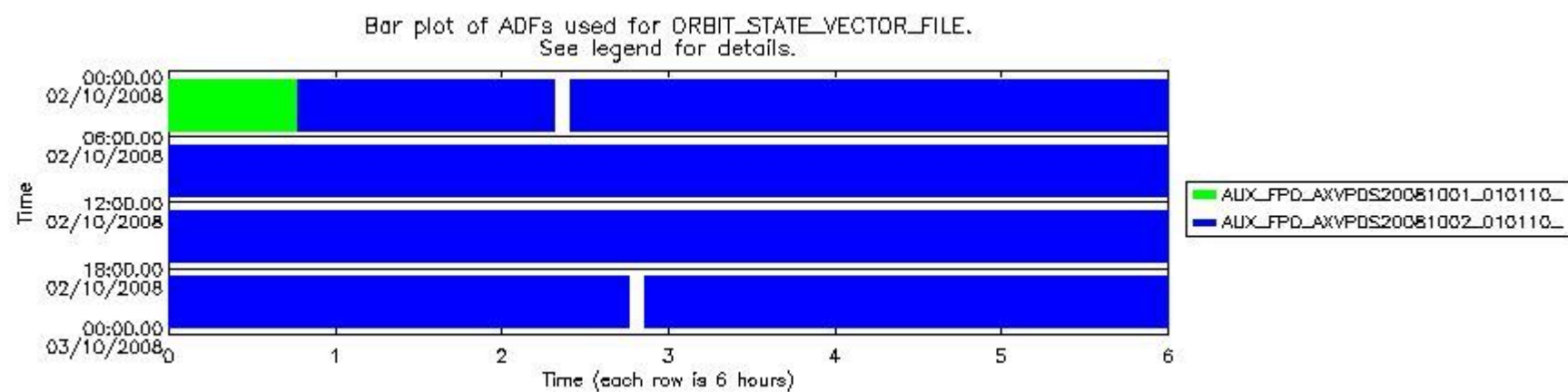
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

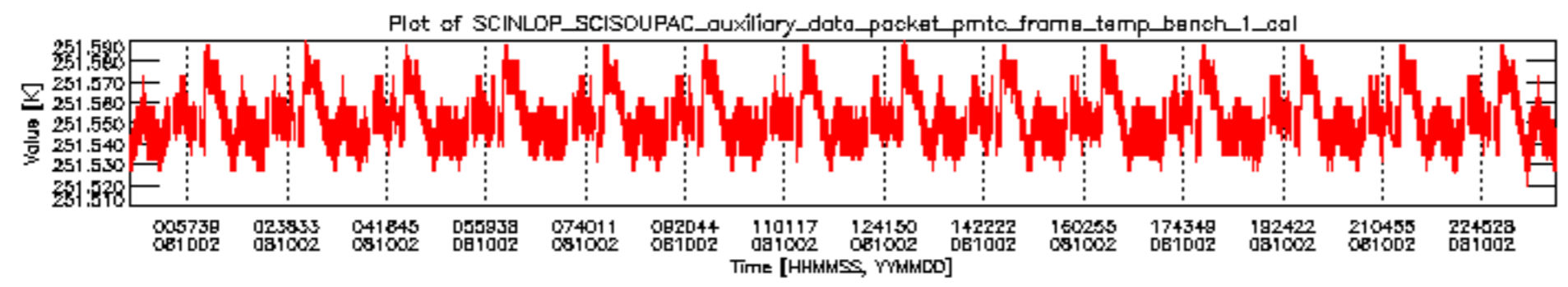
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081001_010110_20080930_184655_20081010_201309
2	AUX_FPO_AXVPDS20081002_010110_20081001_195554_20081011_212208

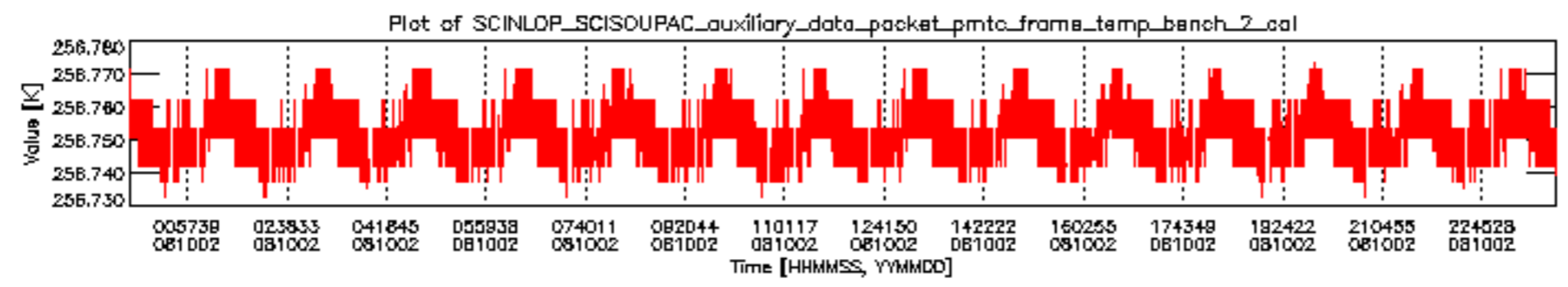


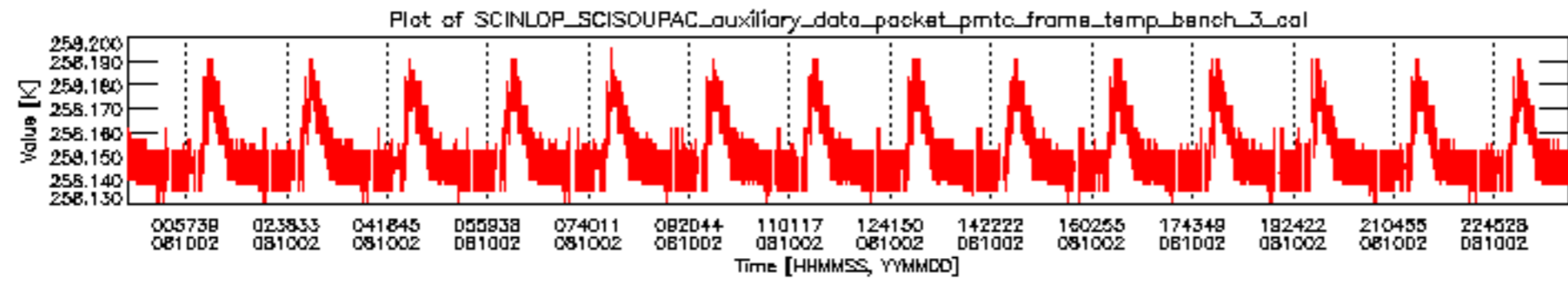
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081002_7.PNG

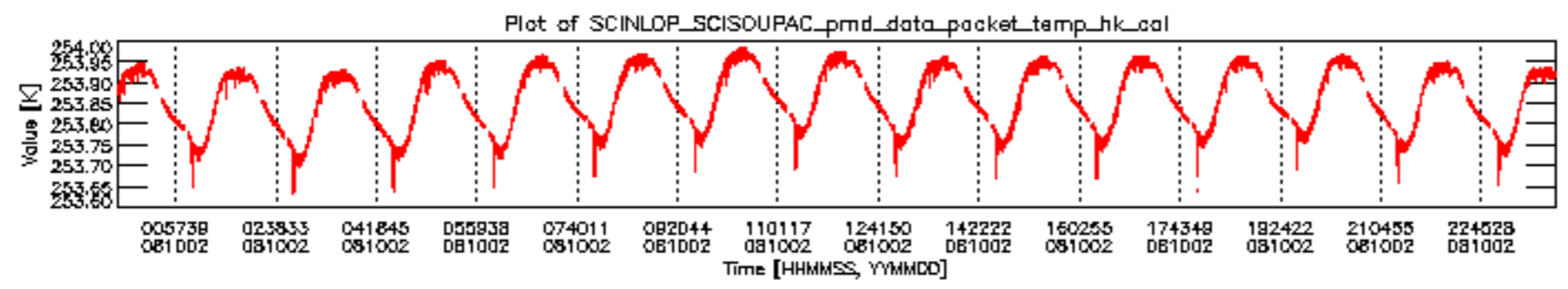


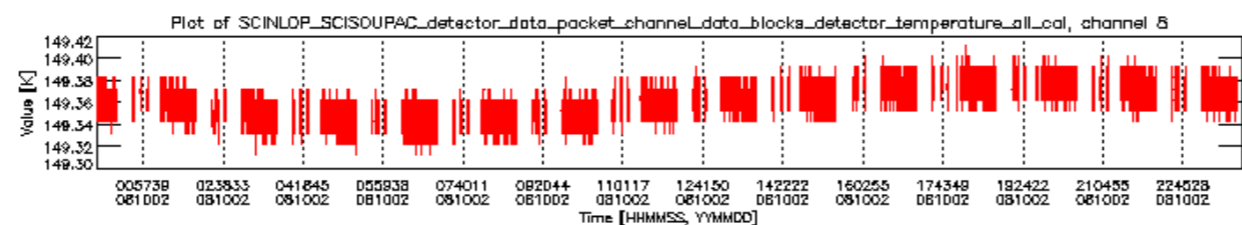
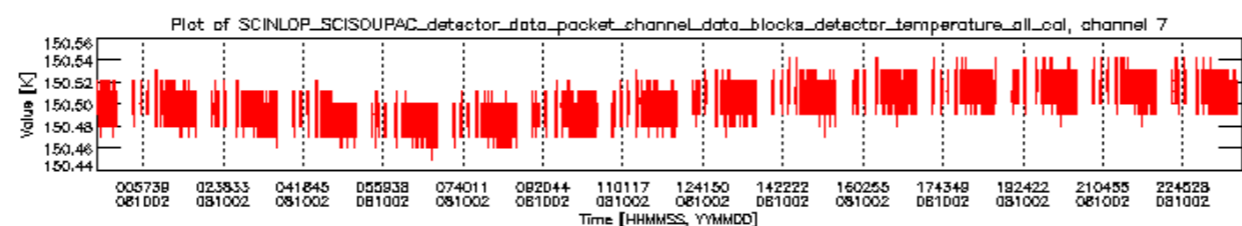
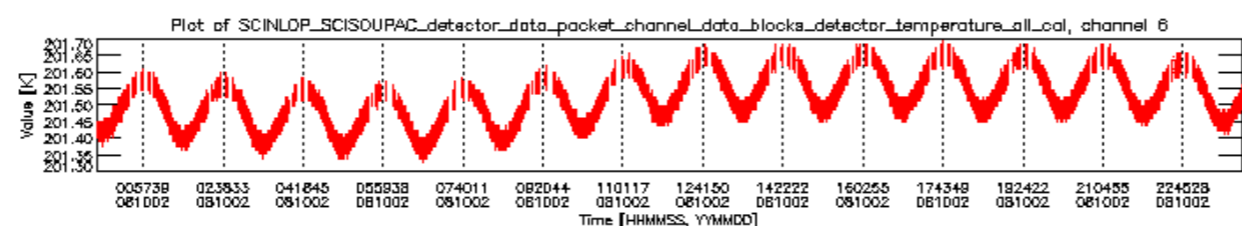
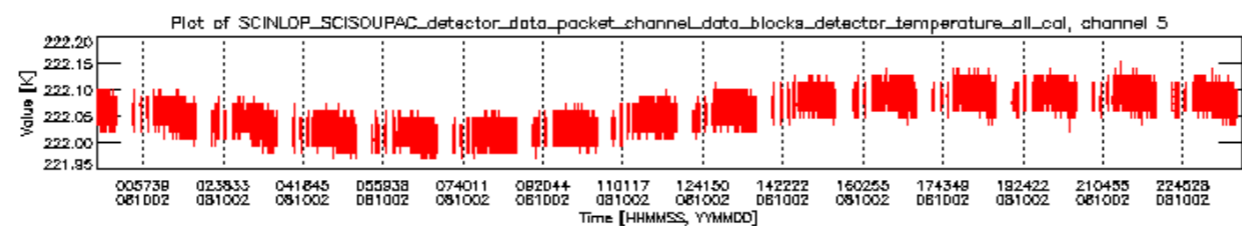
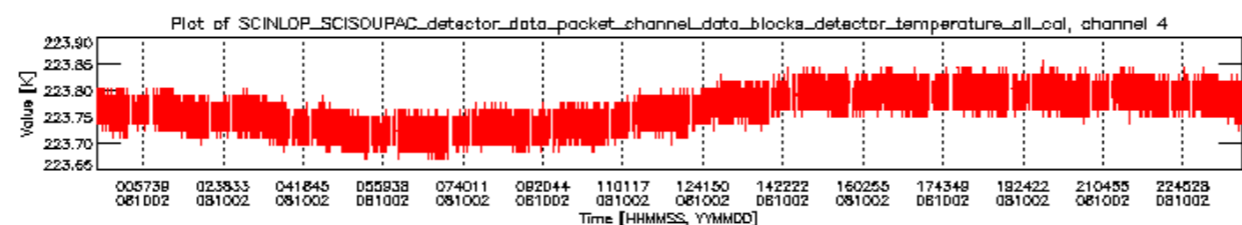
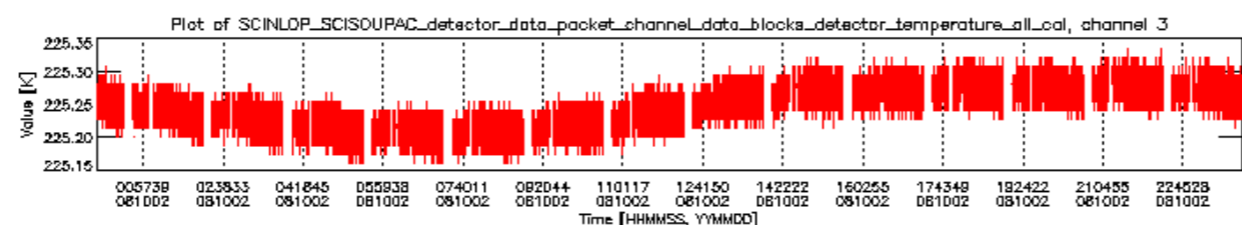
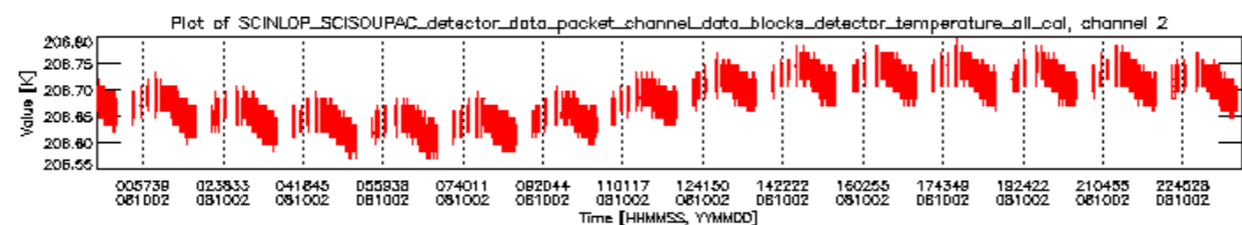
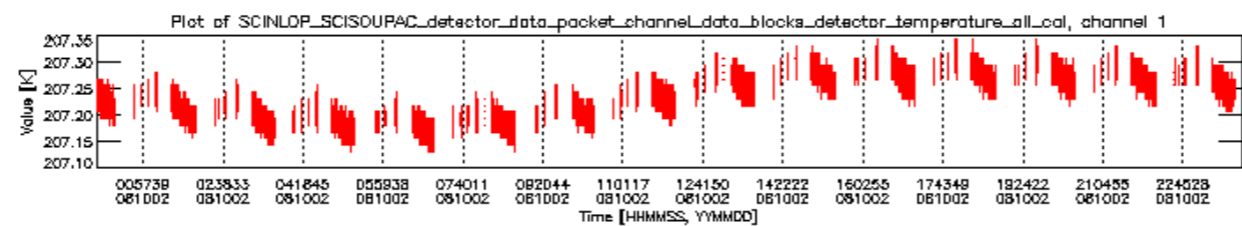
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081002_8.PNG

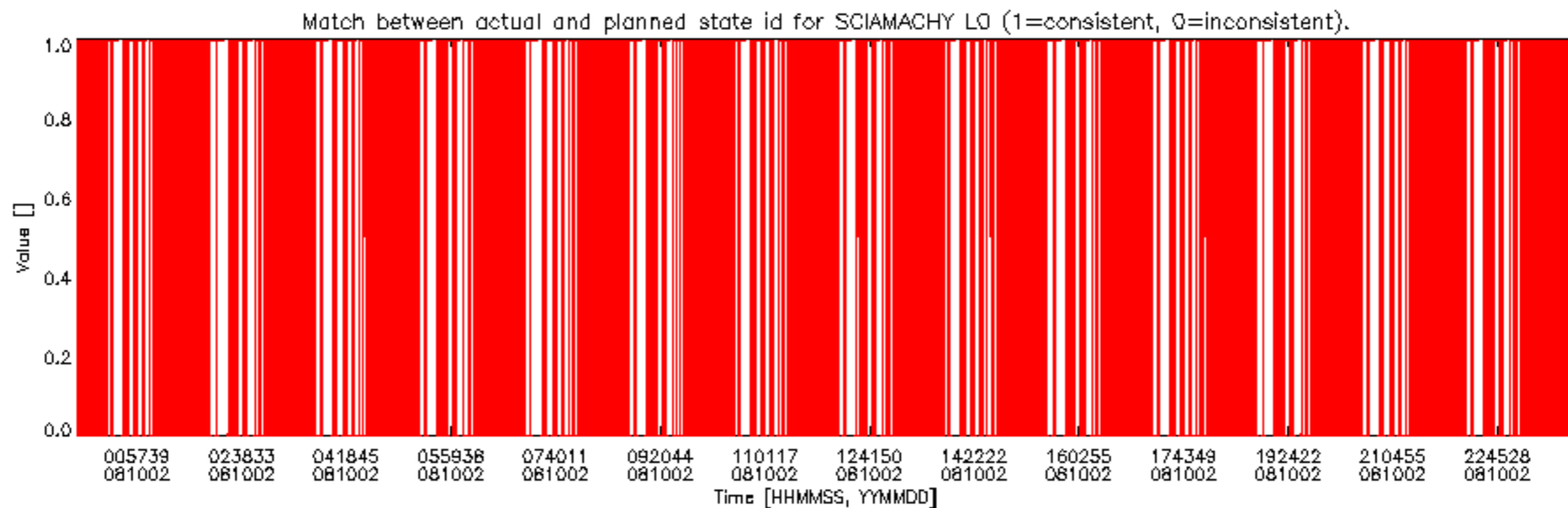
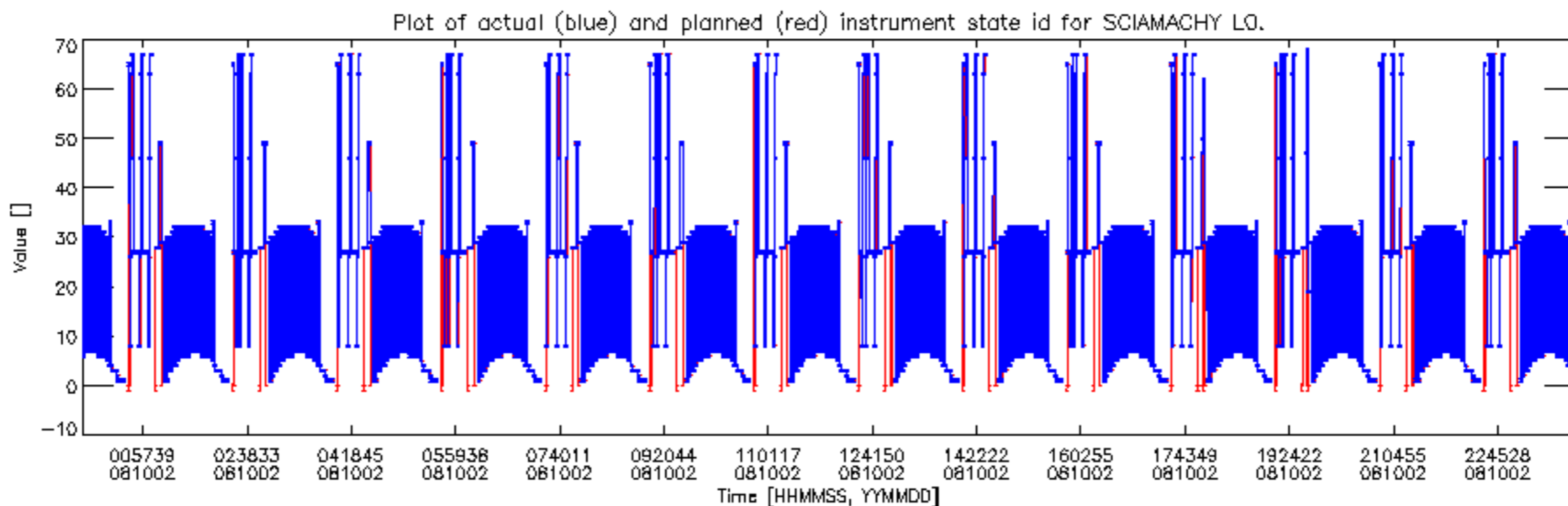












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