

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	10OCT2008 09:43:55
Data source version	KSPT_L0/4303-N
Processing scope for products	04OCT2008 00:00:00 to 05OCT2008 00:00:00
Start time of first product within scope	03OCT2008 23:43:13
Stop time of last product within scope	05OCT2008 00:51:46
Total number of level 0 products	16
Number of level 0 products with errors	4

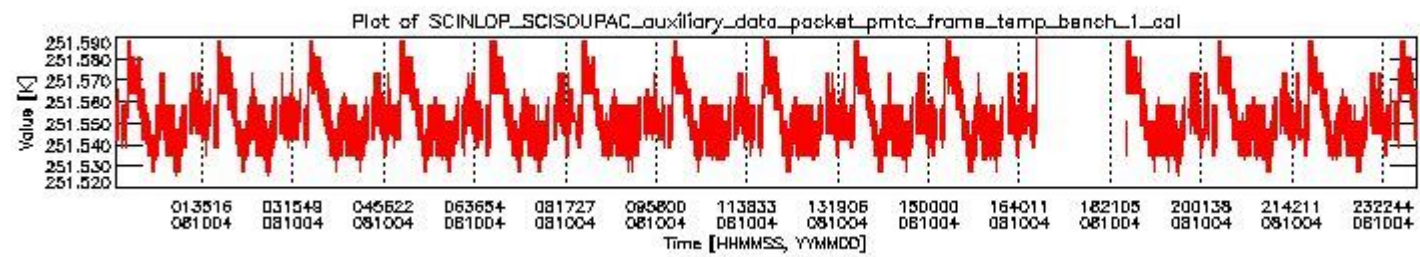
0.1.2 Summary per product

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

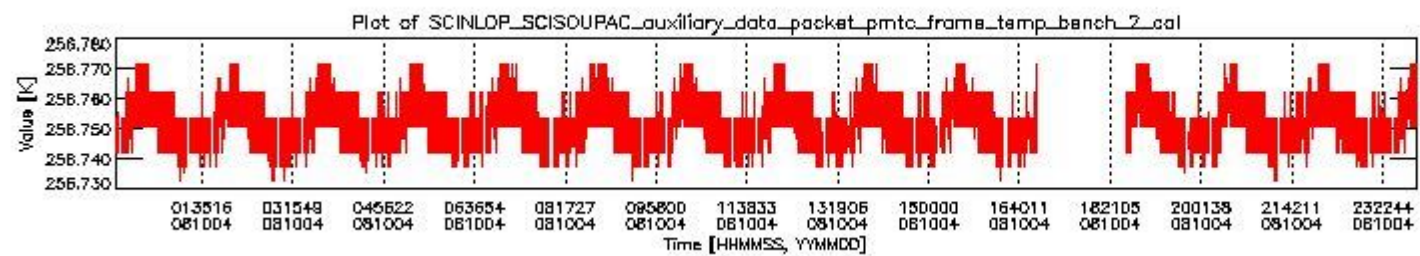
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081003_234313_000059162072_00359_34481_7635.N1	03OCT2008 23:43:13	04OCT2008 01:21:48	0	0	0	0	0
1	SCI_NL__OPNPDE20081004_012148_000046822072_00360_34482_7636.N1	04OCT2008 01:21:48	04OCT2008 02:39:51	0	0	0	0	0
2	SCI_NL__OPNPDE20081004_023842_000058562072_00361_34483_7637.N1	04OCT2008 02:38:42	04OCT2008 04:16:18	0	0	0	0	0
3	SCI_NL__OPNPDE20081004_041618_000060372072_00362_34484_7638.N1	04OCT2008 04:16:18	04OCT2008 05:56:55	0	0	0	0	0
4	SCI_NL__OPNPDK20081004_055546_000041832072_00363_34485_9569.N1	04OCT2008 05:55:46	04OCT2008 07:05:29	0	0	0	0	0
5	SCI_NL__OPNPDK20081004_070420_000061612072_00364_34486_9570.N1	04OCT2008 07:04:20	04OCT2008 08:47:01	0	0	0	0	0
6	SCI_NL__OPNPDK20081004_084701_000059812072_00365_34487_9571.N1	04OCT2008 08:47:01	04OCT2008 10:26:42	0	0	0	0	0
7	SCI_NL__OPNPDK20081004_102533_000059682072_00366_34488_9572.N1	04OCT2008 10:25:33	04OCT2008 12:05:01	1	0	1	0	0
8	SCI_NL__OPNPDK20081004_120405_000060362072_00367_34489_9573.N1	04OCT2008 12:04:05	04OCT2008 13:44:42	1	1	0	0	0
9	SCI_NL__OPNPDK20081004_134346_000057882072_00368_34490_9574.N1	04OCT2008 13:43:46	04OCT2008 15:20:13	0	0	0	0	0
10	SCI_NL__OPNPDK20081004_151822_000060372072_00369_34491_9575.N1	04OCT2008 15:18:22	04OCT2008 16:58:58	0	0	0	0	0
11	SCI_NL__OPNPDK20081004_165640_000061542072_00370_34492_9576.N1	04OCT2008 16:56:40	04OCT2008 18:39:14	1	1	0	0	0
12	SCI_NL__OPNPDK20081004_183717_000059802072_00371_34493_9577.N1	04OCT2008 18:37:17	04OCT2008 20:16:56	1	1	0	0	0
13	SCI_NL__OPNPDE20081004_201600_000044732072_00372_34494_7639.N1	04OCT2008 20:16:00	04OCT2008 21:30:33	0	0	0	0	0
14	SCI_NL__OPNPDE20081004_212949_000061272072_00372_34494_7640.N1	04OCT2008 21:29:49	04OCT2008 23:11:56	0	0	0	0	0
15	SCI_NL__OPNPDE20081004_231109_000060372072_00373_34495_7641.N1	04OCT2008 23:11:09	05OCT2008 00:51:46	0	0	0	0	0

0.2 Product Quality Indicators

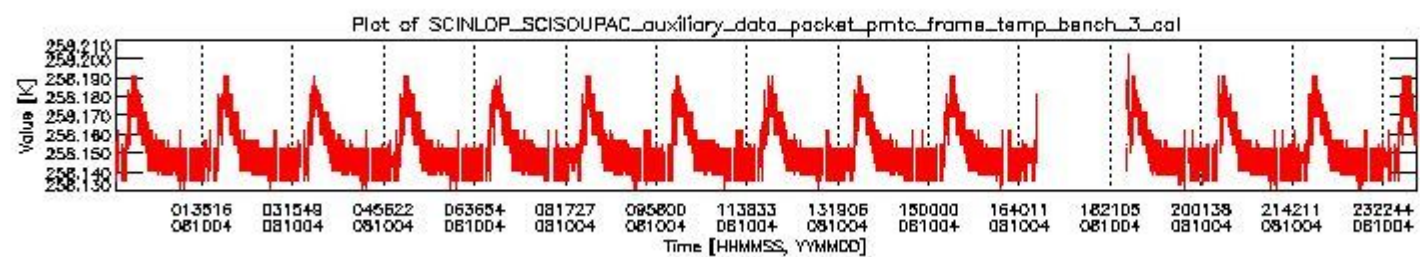
This section shows information about product quality, currently temperatures.



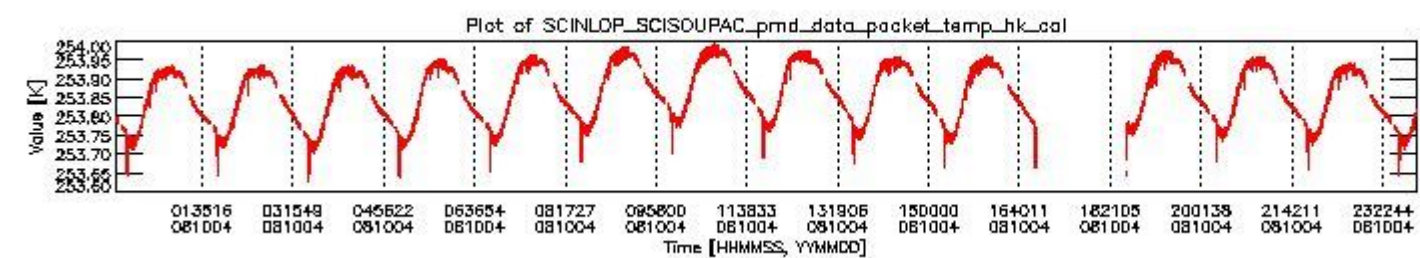
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081004_0.PNG



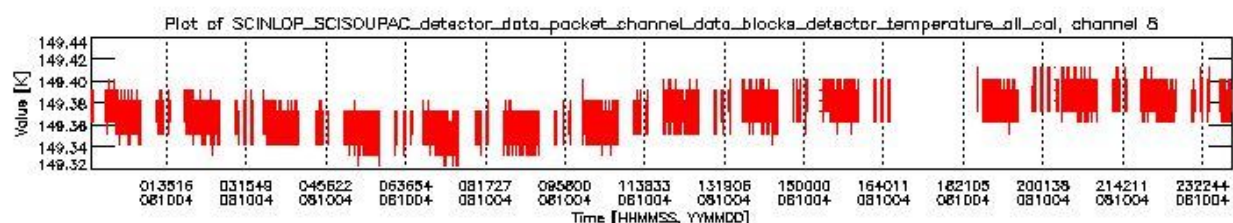
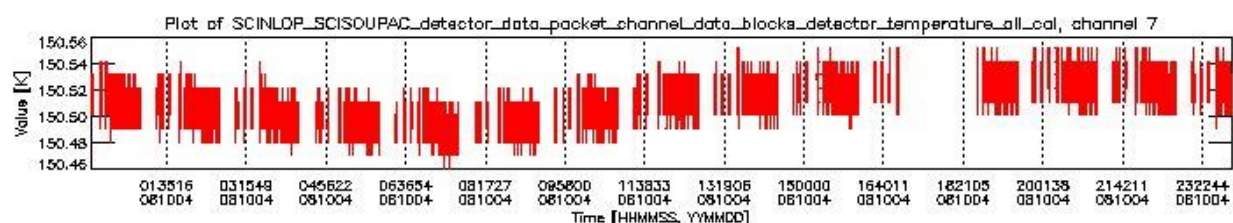
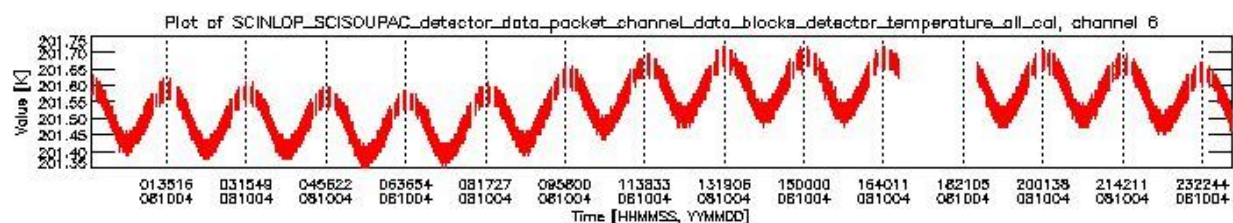
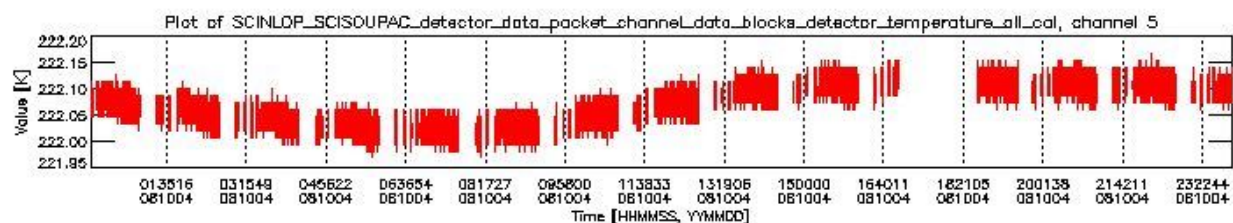
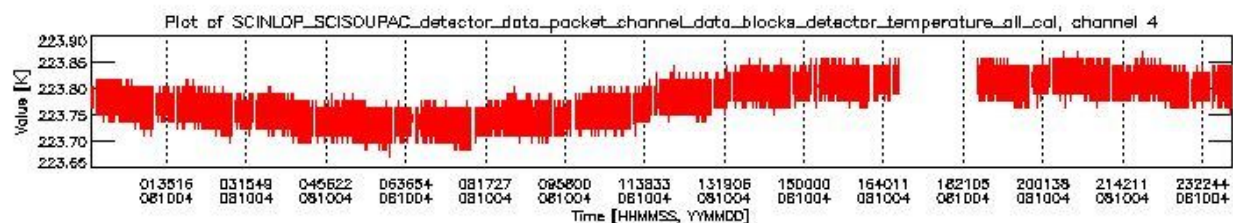
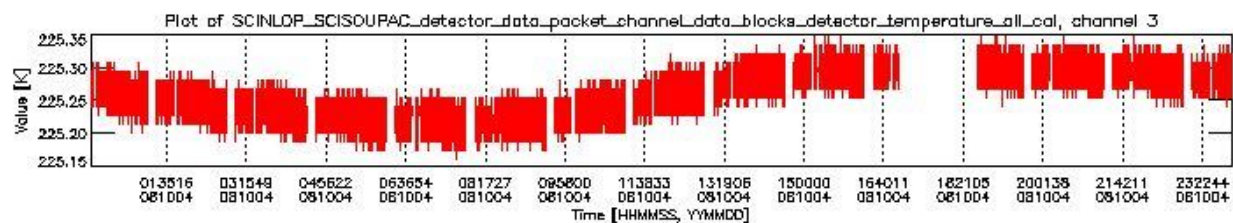
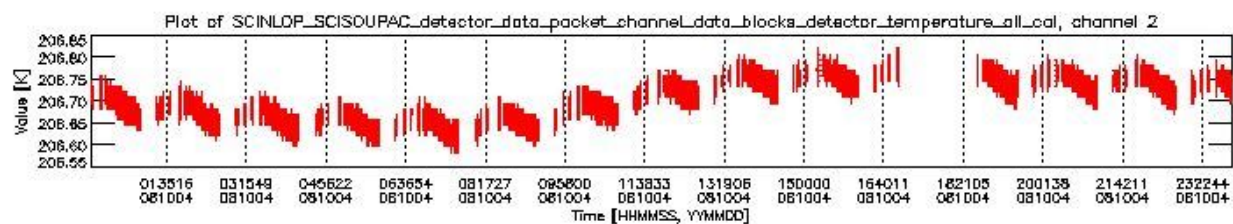
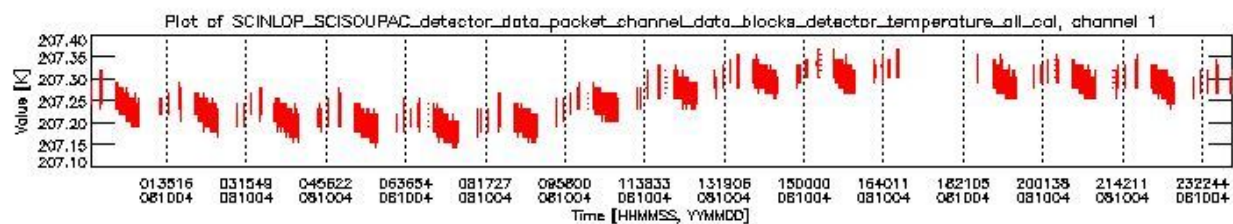
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081004_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081004_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081004_3.PNG

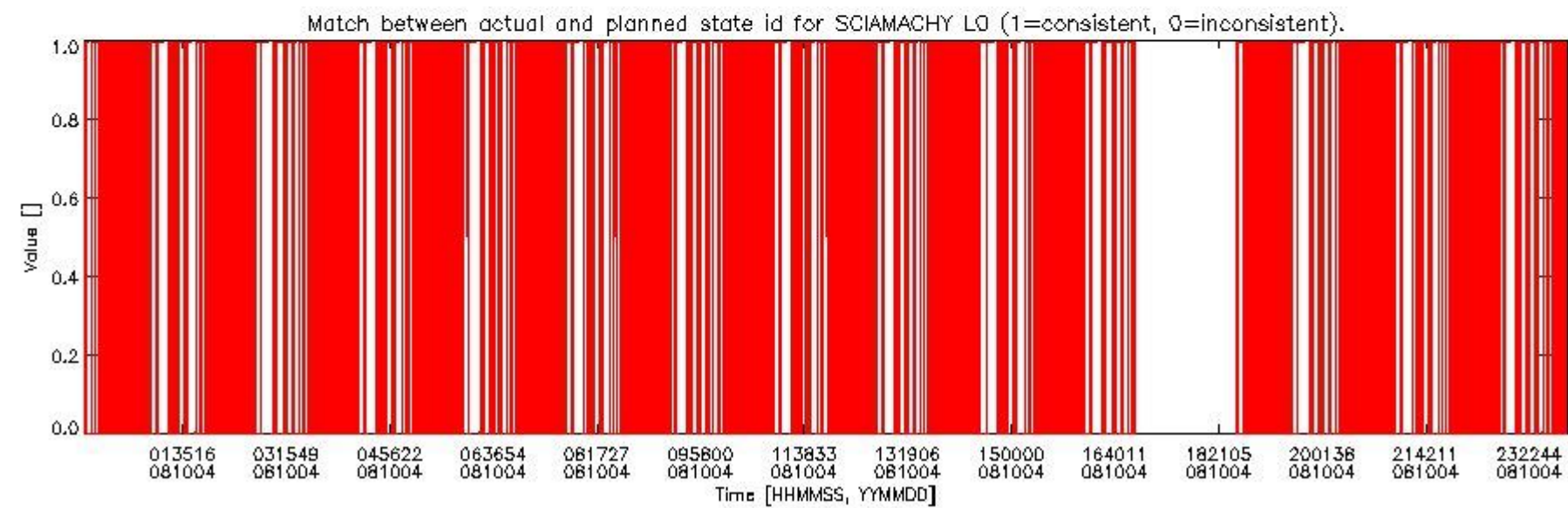
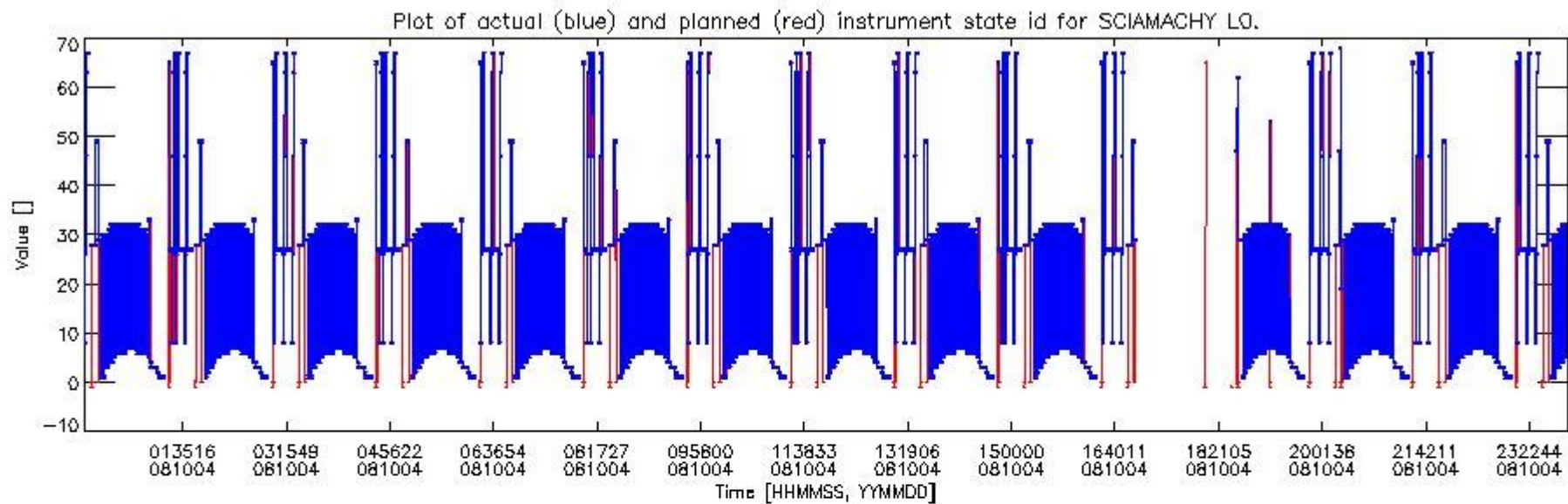


0.3 State monitoring

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: **42238**

#	Actual time	Actual value	Planned time	Planned value
0	04OCT2008 00:00:00.642523	8	04OCT2008 00:00:00.642523	27
1	04OCT2008 00:00:01.642518	8	04OCT2008 00:00:01.642518	27
2	04OCT2008 00:00:36.080030	26	04OCT2008 00:00:36.080030	8
3	04OCT2008 00:00:36.705011	26	04OCT2008 00:00:36.705011	8
4	04OCT2008 00:00:37.205029	26	04OCT2008 00:00:37.205029	8
5	04OCT2008 00:00:37.705006	26	04OCT2008 00:00:37.705006	8
6	04OCT2008 00:00:38.205023	26	04OCT2008 00:00:38.205023	8
7	04OCT2008 00:00:38.705000	26	04OCT2008 00:00:38.705000	8
8	04OCT2008 00:00:39.205018	26	04OCT2008 00:00:39.205018	8
9	04OCT2008 00:00:39.705035	26	04OCT2008 00:00:39.705035	8
10	04OCT2008 00:00:40.205012	26	04OCT2008 00:00:40.205012	8
11	04OCT2008 00:00:40.705030	26	04OCT2008 00:00:40.705030	8
12	04OCT2008 00:00:41.080002	26	04OCT2008 00:00:41.080002	8
13	04OCT2008 00:00:41.205007	26	04OCT2008 00:00:41.205007	8
14	04OCT2008 00:00:41.705024	26	04OCT2008 00:00:41.705024	8
15	04OCT2008 00:00:42.205001	26	04OCT2008 00:00:42.205001	8
16	04OCT2008 00:00:42.705019	26	04OCT2008 00:00:42.705019	8
17	04OCT2008 00:00:43.205036	26	04OCT2008 00:00:43.205036	8
18	04OCT2008 00:00:43.705013	26	04OCT2008 00:00:43.705013	8
19	04OCT2008 00:00:44.205031	26	04OCT2008 00:00:44.205031	8

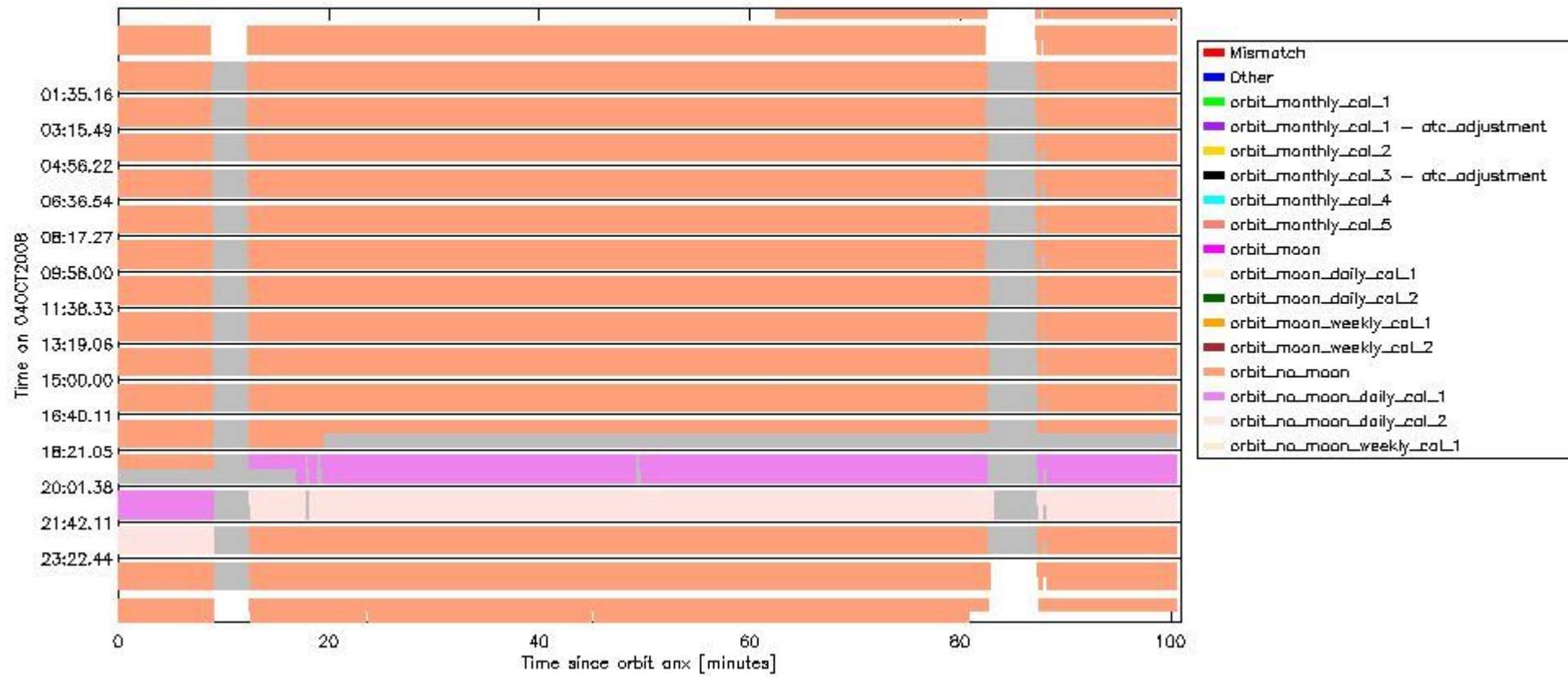


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081004_5.PNG

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 04OCT2008.
 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_20081004_6.PNG

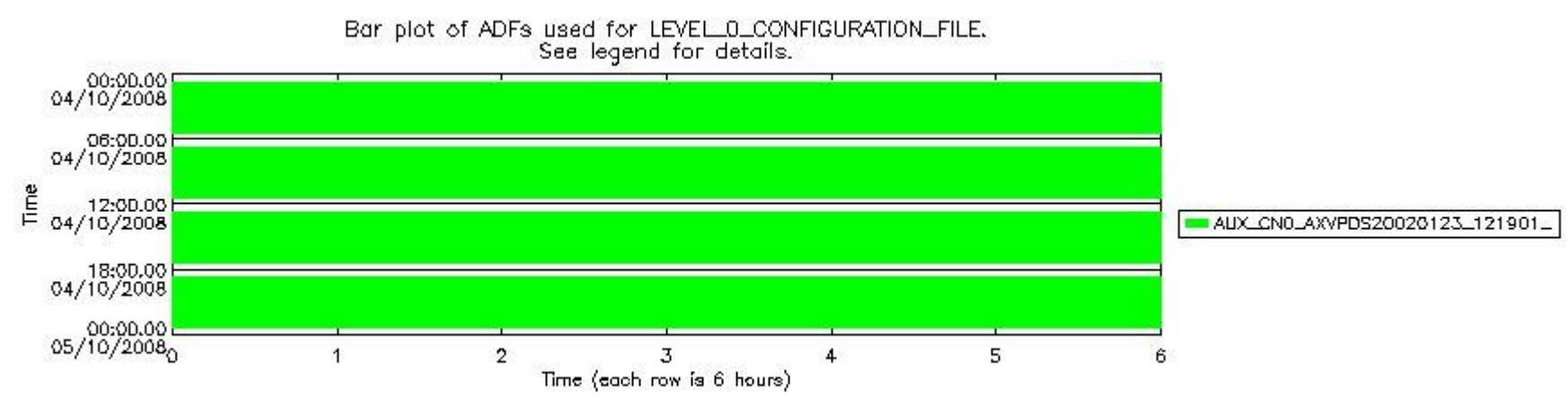
0.4 ADF monitoring

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

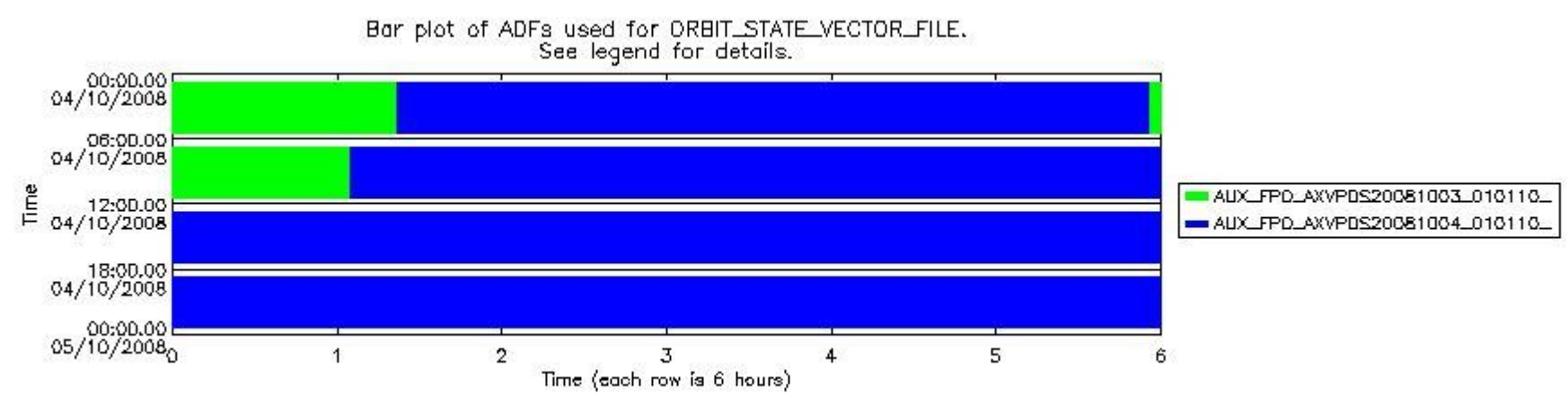
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

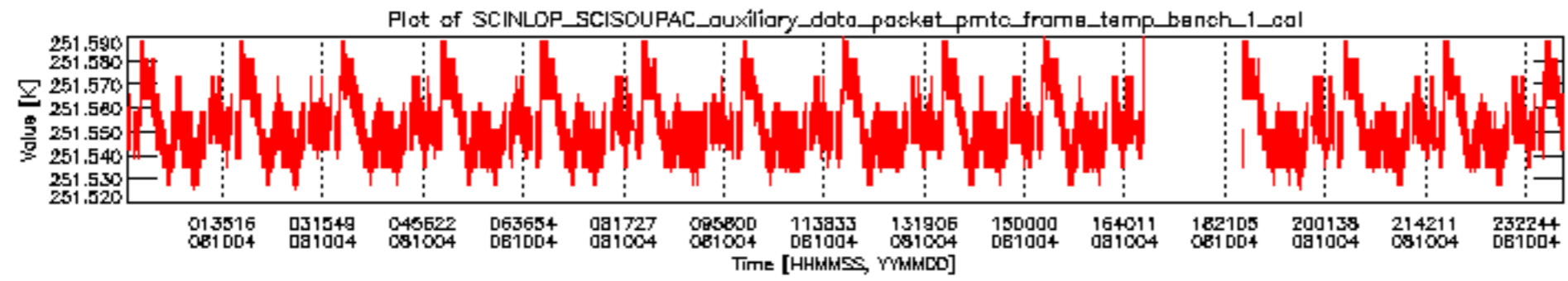
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081003_010110_20081002_192417_20081012_205031
2	AUX_FPO_AXVPDS20081004_010110_20081003_185240_20081013_201854

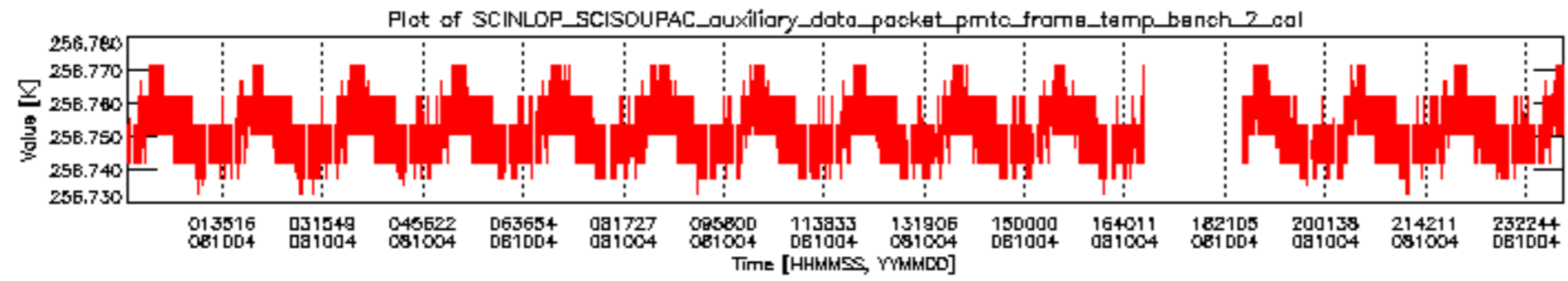


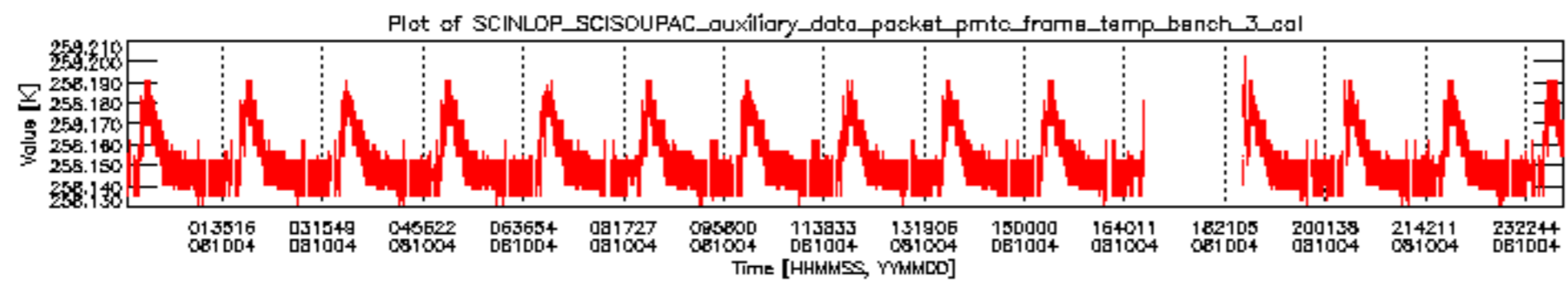
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081004_7.PNG

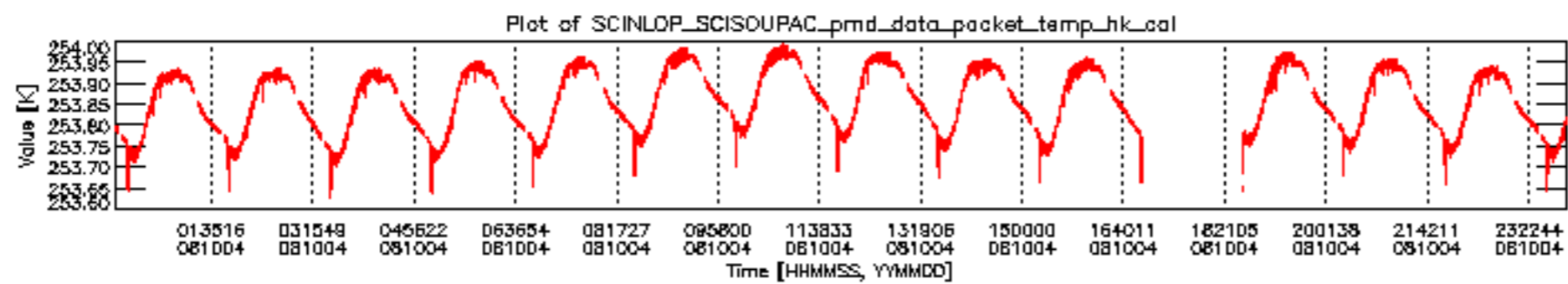


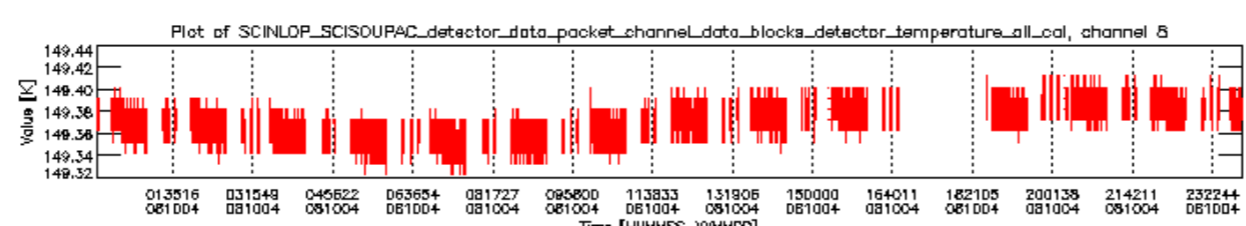
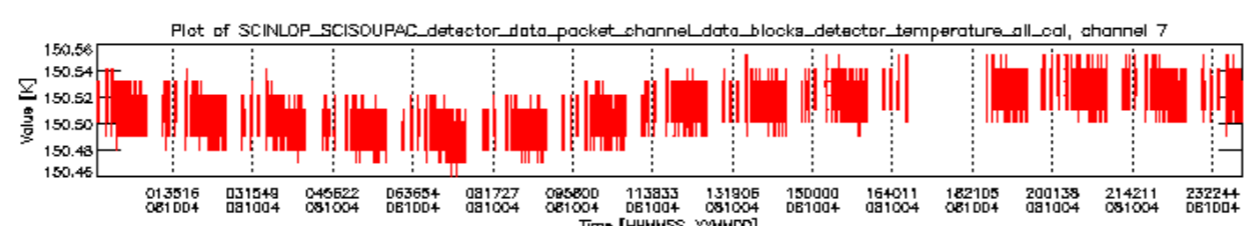
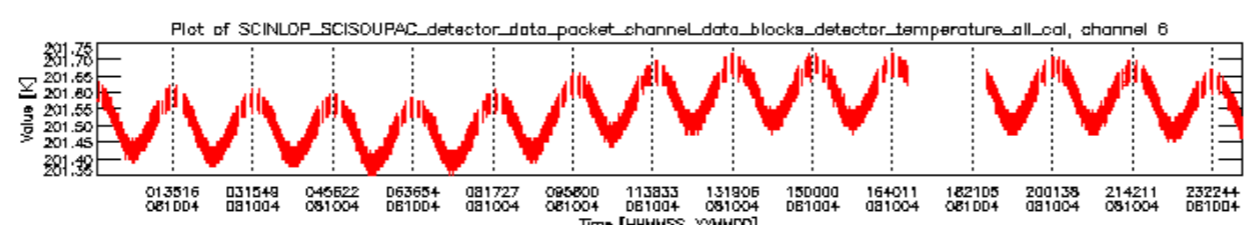
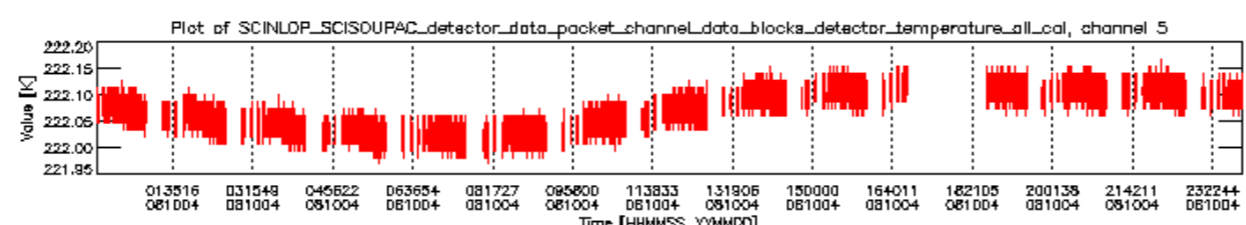
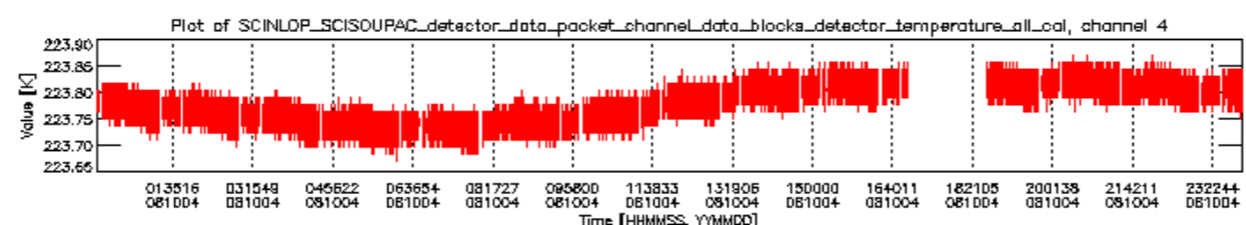
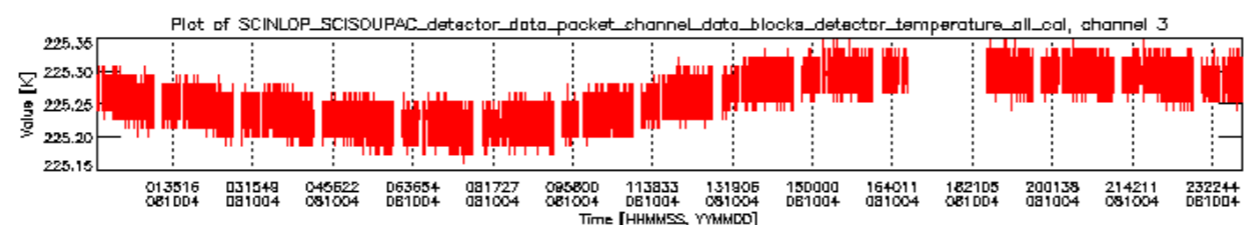
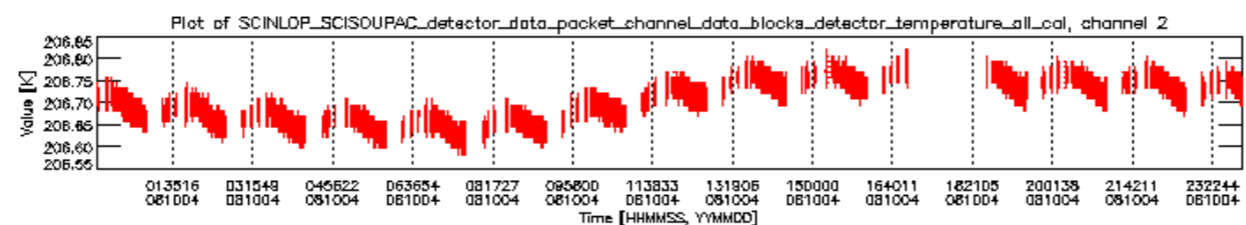
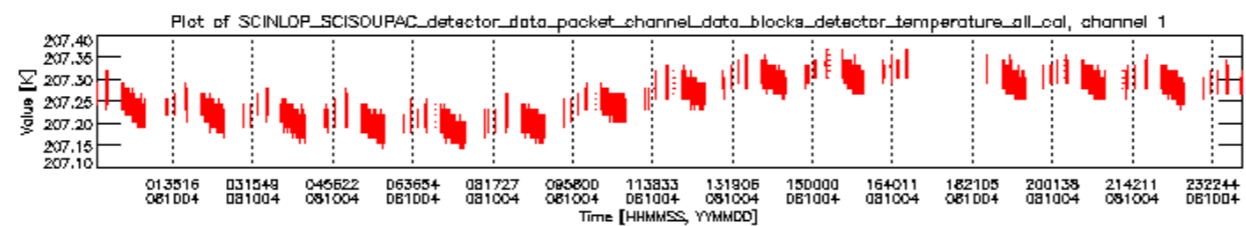
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081004_8.PNG

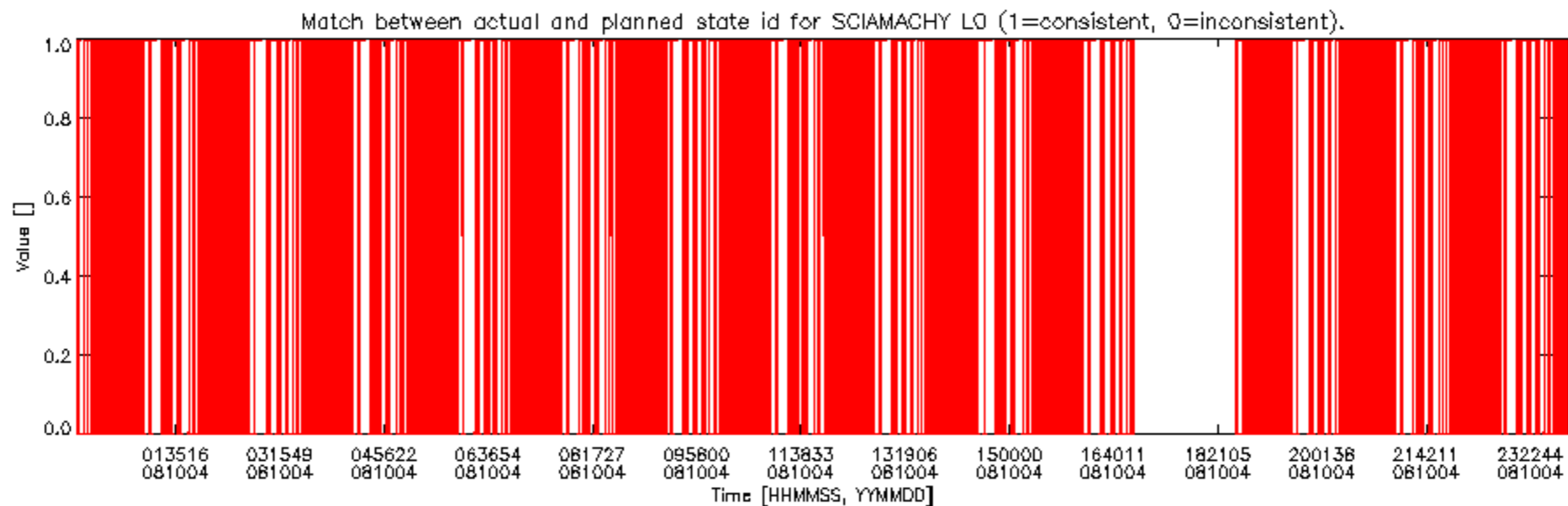
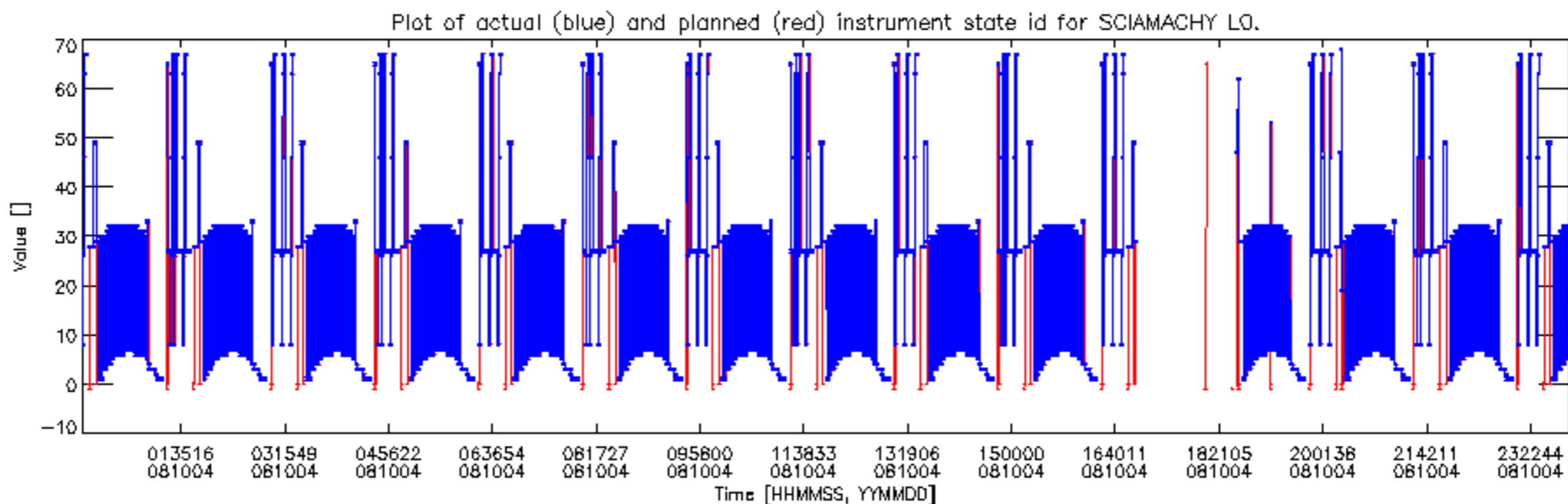












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 Each row indicates an orbit. A light gray colour indicates the time span of 04OCT2008.
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