

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	22OCT2008 06:05:27
Data source version	KSPT_L0/4303-N
Processing scope for products	18OCT2008 00:00:00 to 19OCT2008 00:00:00
Start time of first product within scope	17OCT2008 23:02:36
Stop time of last product within scope	19OCT2008 00:12:26
Total number of level 0 products	16
Number of level 0 products with errors	0

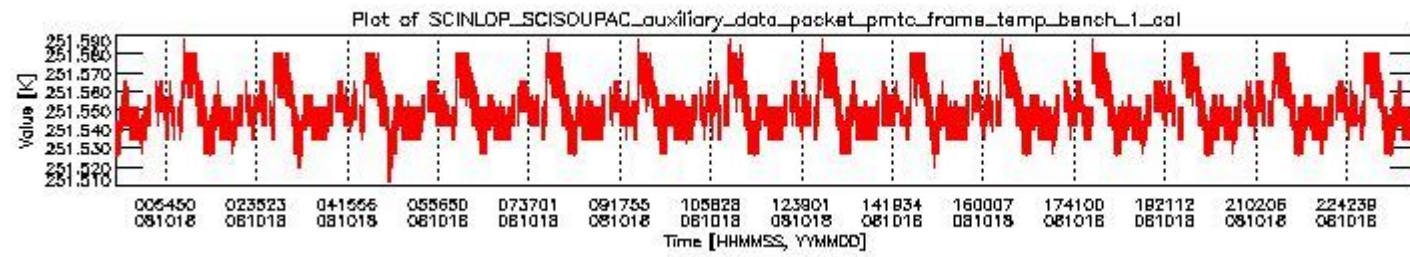
0.1.2 Summary per product

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

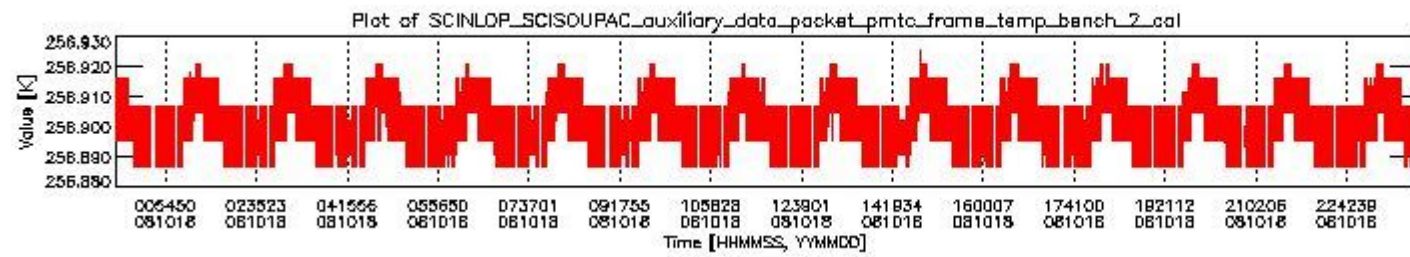
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081017_230236_000056762073_00058_34681_7727.N1	17OCT2008 23:02:36	18OCT2008 00:37:12	0	0	0	0	0
1	SCI_NL__OPNPDE20081018_004313_000056892073_00059_34682_7728.N1	18OCT2008 00:43:13	18OCT2008 02:18:01	0	0	0	0	0
2	SCI_NL__OPNPDE20081018_021801_000045922073_00060_34683_7729.N1	18OCT2008 02:18:01	18OCT2008 03:34:33	0	0	0	0	0
3	SCI_NL__OPNPDE20081018_033433_000061742073_00061_34684_7730.N1	18OCT2008 03:34:33	18OCT2008 05:17:26	0	0	0	0	0
4	SCI_NL__OPNPDE20081018_051726_000060242073_00062_34685_7731.N1	18OCT2008 05:17:26	18OCT2008 06:57:50	0	0	0	0	0
5	SCI_NL__OPNPDK20081018_065654_000041142073_00063_34686_9699.N1	18OCT2008 06:56:54	18OCT2008 08:05:28	0	0	0	0	0
6	SCI_NL__OPNPDK20081018_080420_000062172073_00064_34687_9700.N1	18OCT2008 08:04:20	18OCT2008 09:47:56	0	0	0	0	0
7	SCI_NL__OPNPDK20081018_094701_000059802073_00065_34688_9701.N1	18OCT2008 09:47:01	18OCT2008 11:26:41	0	0	0	0	0
8	SCI_NL__OPNPDK20081018_112532_000059682073_00066_34689_9702.N1	18OCT2008 11:25:32	18OCT2008 13:05:00	0	0	0	0	0
9	SCI_NL__OPNPDK20081018_130404_000059122073_00067_34690_9703.N1	18OCT2008 13:04:04	18OCT2008 14:42:36	0	0	0	0	0
10	SCI_NL__OPNPDK20081018_144045_000060362073_00068_34691_9704.N1	18OCT2008 14:40:45	18OCT2008 16:21:21	0	0	0	0	0
11	SCI_NL__OPNPDK20081018_161807_000060362073_00069_34692_9705.N1	18OCT2008 16:18:07	18OCT2008 17:58:44	0	0	0	0	0
12	SCI_NL__OPNPDK20081018_175844_000059242073_00070_34693_9706.N1	18OCT2008 17:58:44	18OCT2008 19:37:27	0	0	0	0	0
13	SCI_NL__OPNPDE20081018_193632_000040972073_00071_34694_7732.N1	18OCT2008 19:36:32	18OCT2008 20:44:49	0	0	0	0	0
14	SCI_NL__OPNPDE20081018_204341_000064892073_00071_34694_7733.N1	18OCT2008 20:43:41	18OCT2008 22:31:50	0	0	0	0	0
15	SCI_NL__OPNPDE20081018_223106_000060802073_00072_34695_7734.N1	18OCT2008 22:31:06	19OCT2008 00:12:26	0	0	0	0	0

0.2 Product Quality Indicators

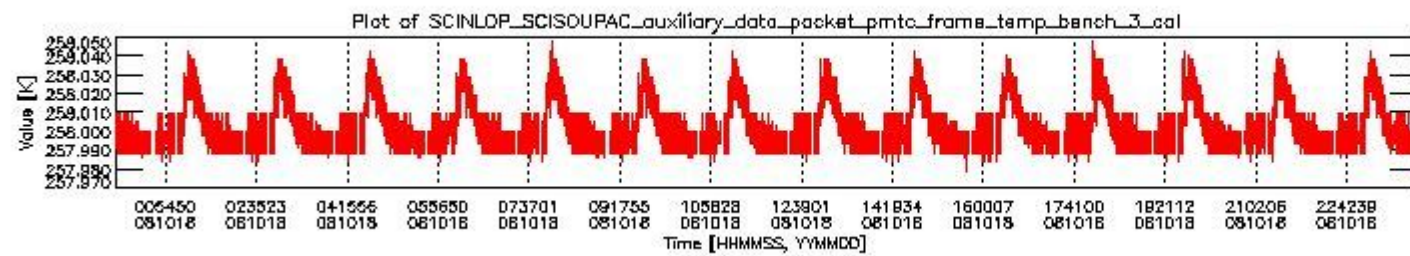
This section shows information about product quality, currently temperatures.



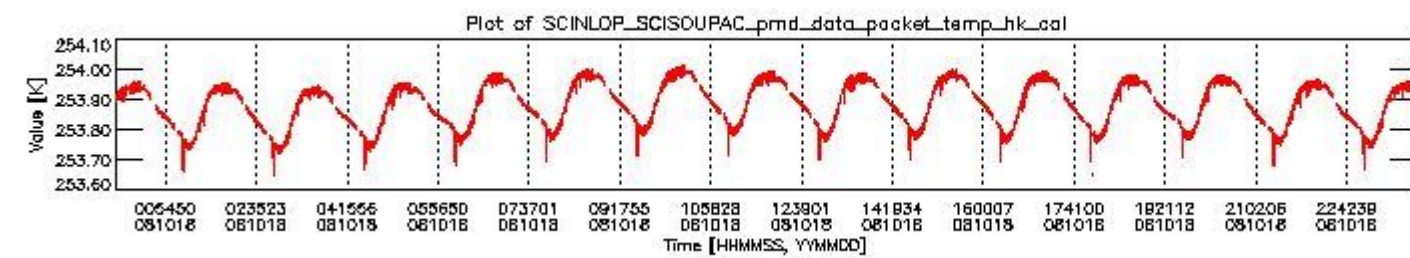
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081018_0.PNG



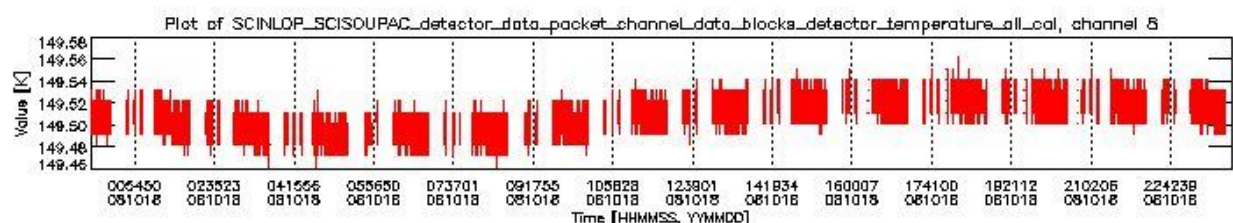
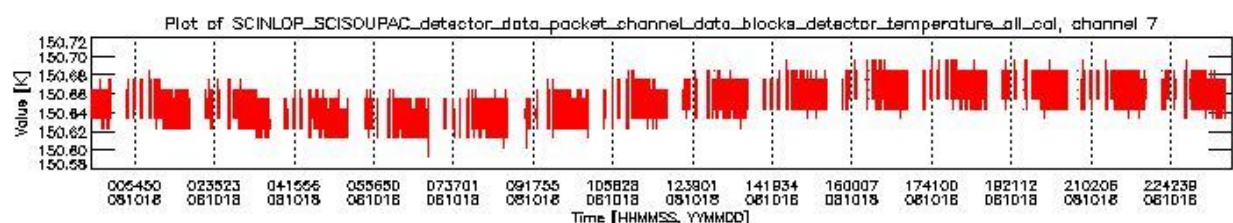
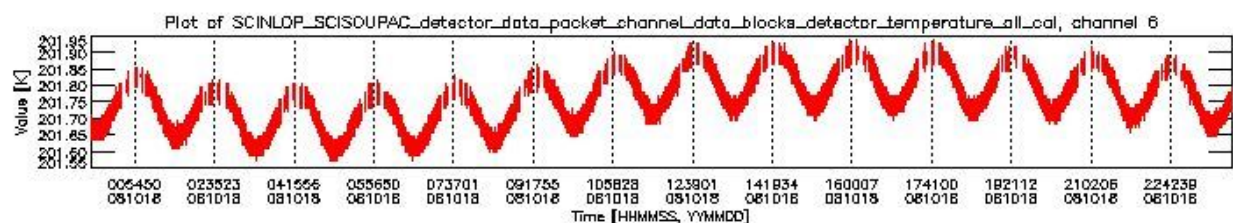
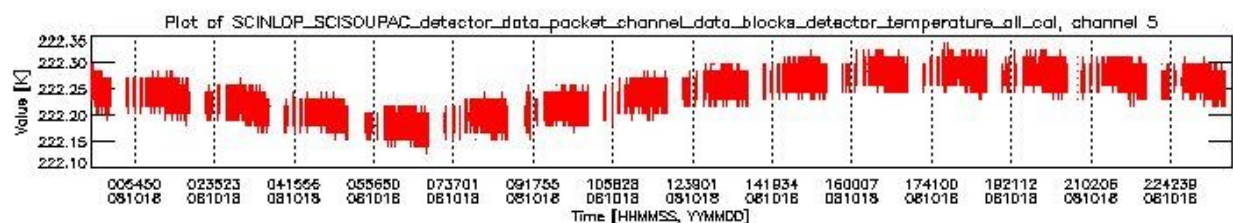
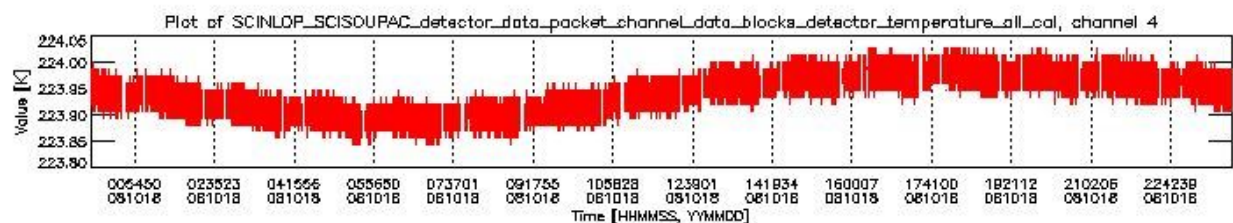
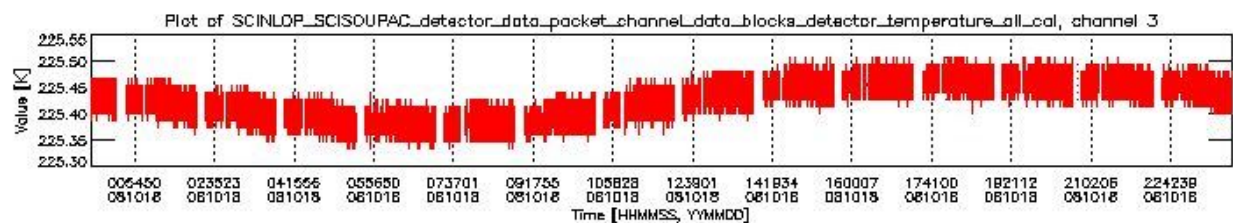
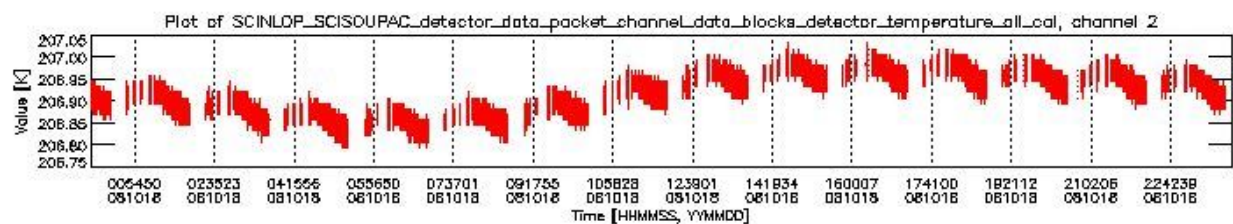
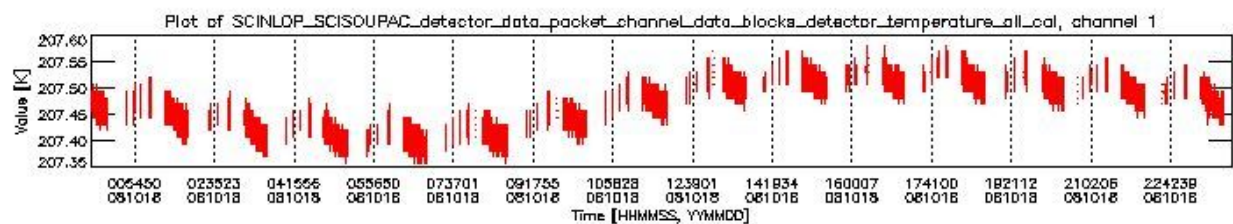
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081018_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081018_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081018_3.PNG

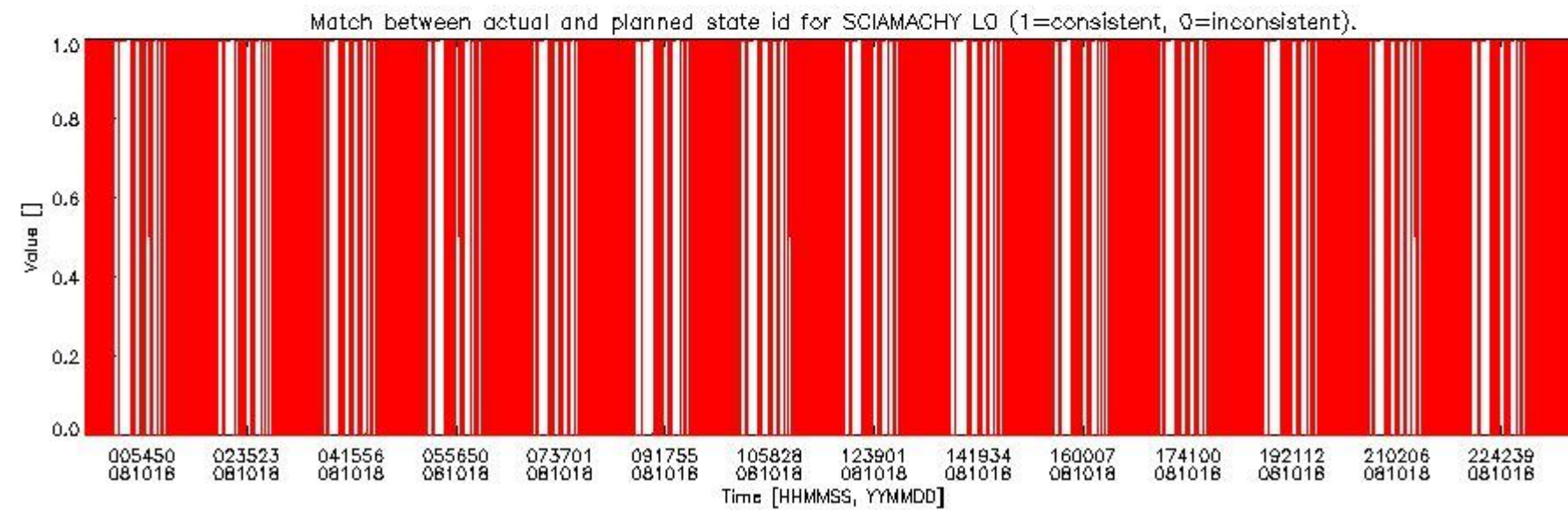
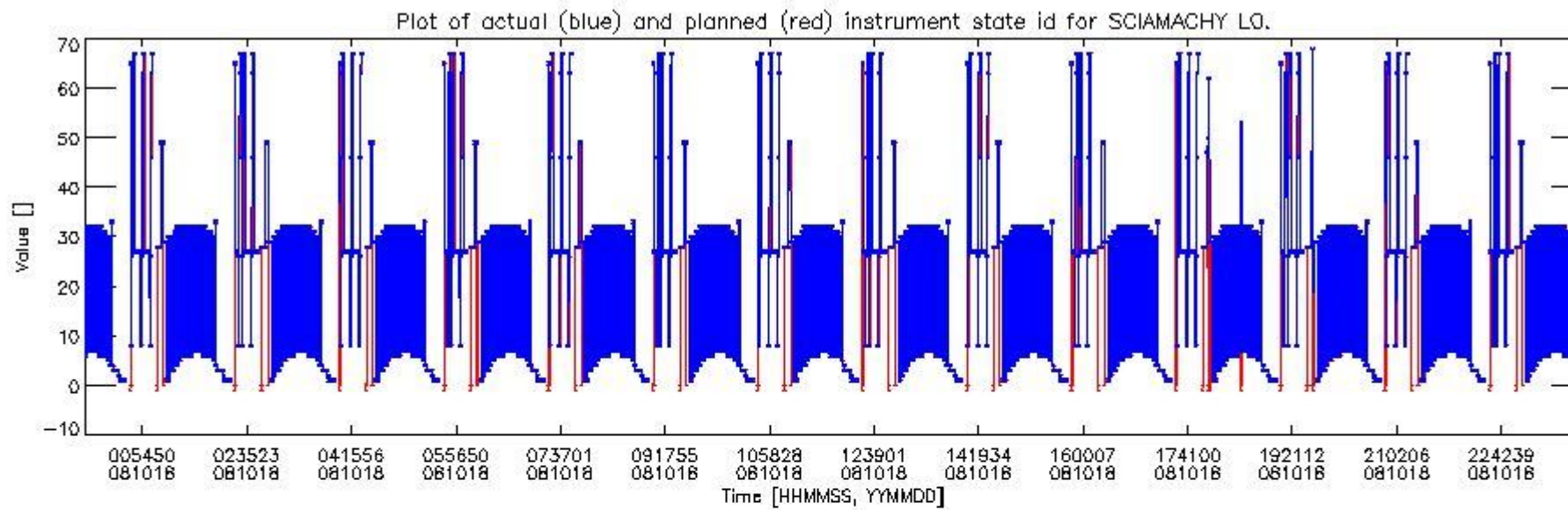


0.3 State monitoring

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: **45285**

#	Actual time	Actual value	Planned time	Planned value
0	18OCT2008 00:00:00.320899	32	18OCT2008 00:00:00.320899	6
1	18OCT2008 00:00:00.695913	32	18OCT2008 00:00:00.695913	6
2	18OCT2008 00:00:01.070885	32	18OCT2008 00:00:01.070885	6
3	18OCT2008 00:00:01.633385	32	18OCT2008 00:00:01.633385	6
4	18OCT2008 00:00:02.008398	32	18OCT2008 00:00:02.008398	6
5	18OCT2008 00:00:02.383411	32	18OCT2008 00:00:02.383411	6
6	18OCT2008 00:00:02.758384	32	18OCT2008 00:00:02.758384	6
7	18OCT2008 00:00:03.008392	32	18OCT2008 00:00:03.008392	6
8	18OCT2008 00:00:03.320883	32	18OCT2008 00:00:03.320883	6
9	18OCT2008 00:00:03.695896	32	18OCT2008 00:00:03.695896	6
10	18OCT2008 00:00:04.070909	32	18OCT2008 00:00:04.070909	6
11	18OCT2008 00:00:04.445882	32	18OCT2008 00:00:04.445882	6
12	18OCT2008 00:00:05.008382	32	18OCT2008 00:00:05.008382	6
13	18OCT2008 00:00:05.383395	32	18OCT2008 00:00:05.383395	6
14	18OCT2008 00:00:05.758408	32	18OCT2008 00:00:05.758408	6
15	18OCT2008 00:00:06.133381	32	18OCT2008 00:00:06.133381	6
16	18OCT2008 00:00:06.695880	32	18OCT2008 00:00:06.695880	6
17	18OCT2008 00:00:07.070893	32	18OCT2008 00:00:07.070893	6
18	18OCT2008 00:00:07.445906	32	18OCT2008 00:00:07.445906	6
19	18OCT2008 00:00:07.820879	32	18OCT2008 00:00:07.820879	6
...

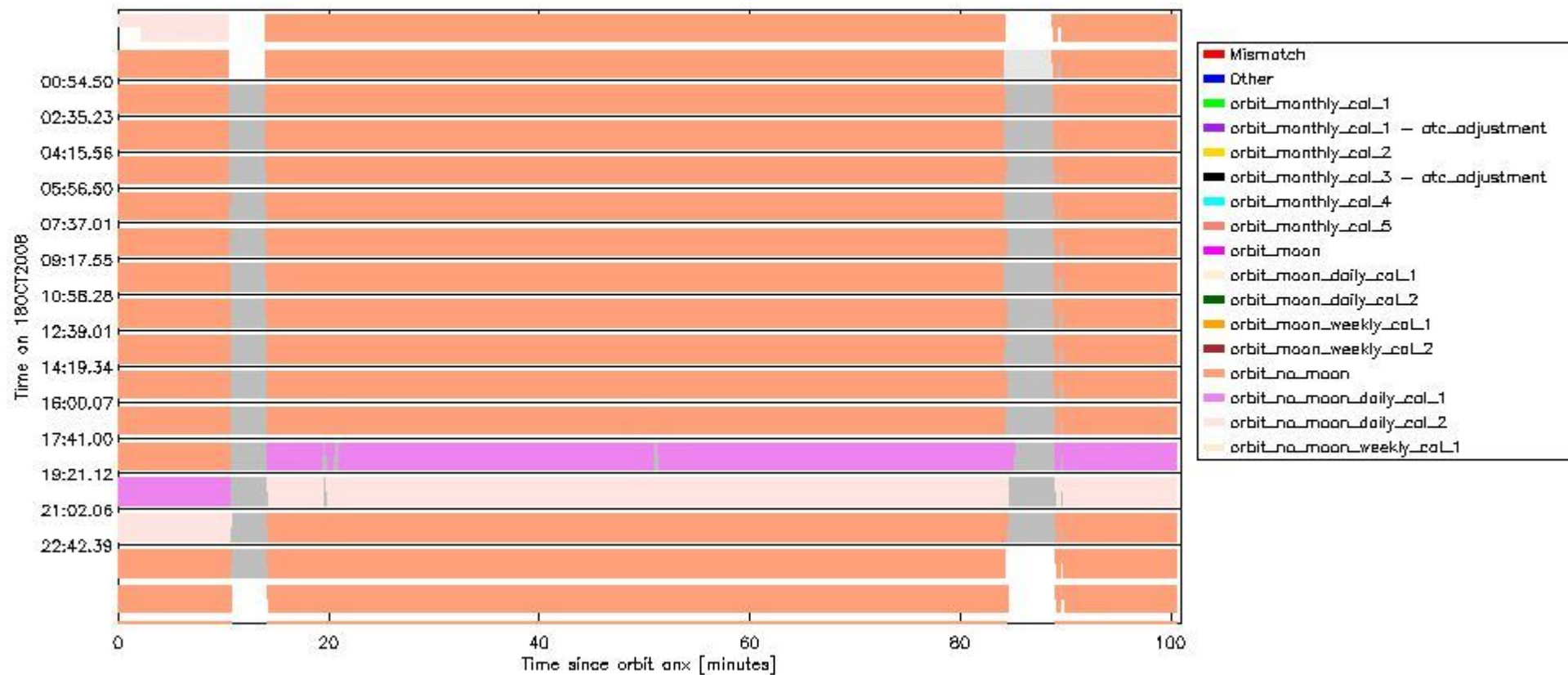


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081018_5.PNG

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 18OCT2008.
 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_20081018_6.PNG

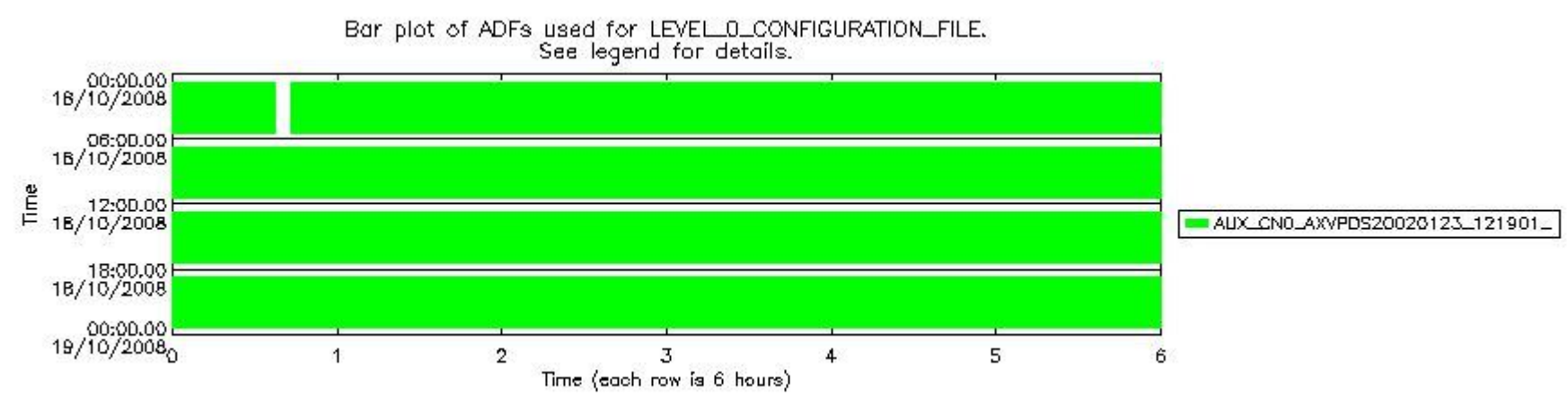
0.4 ADF monitoring

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

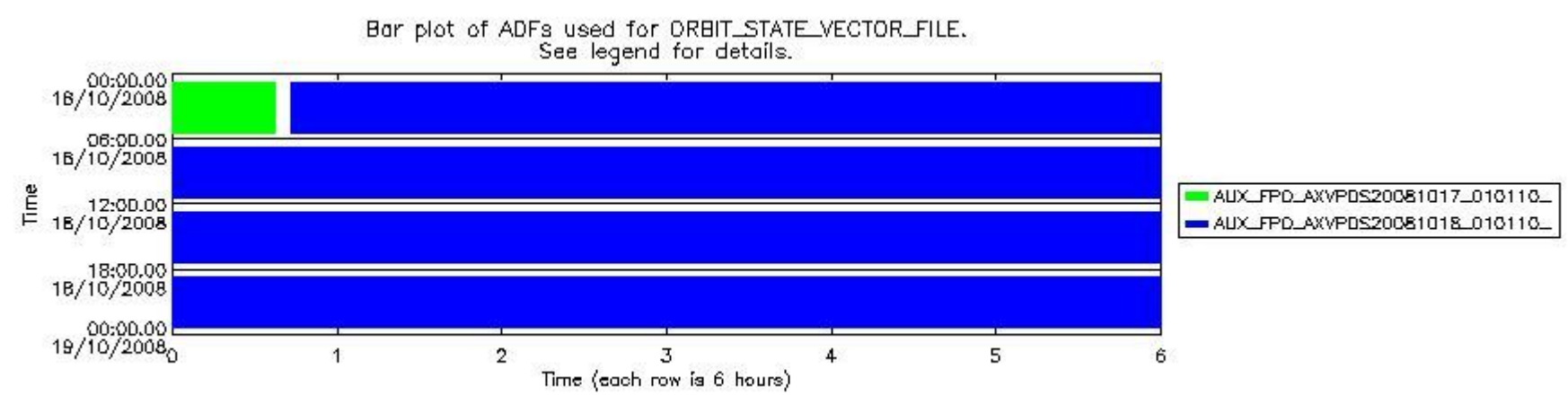
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

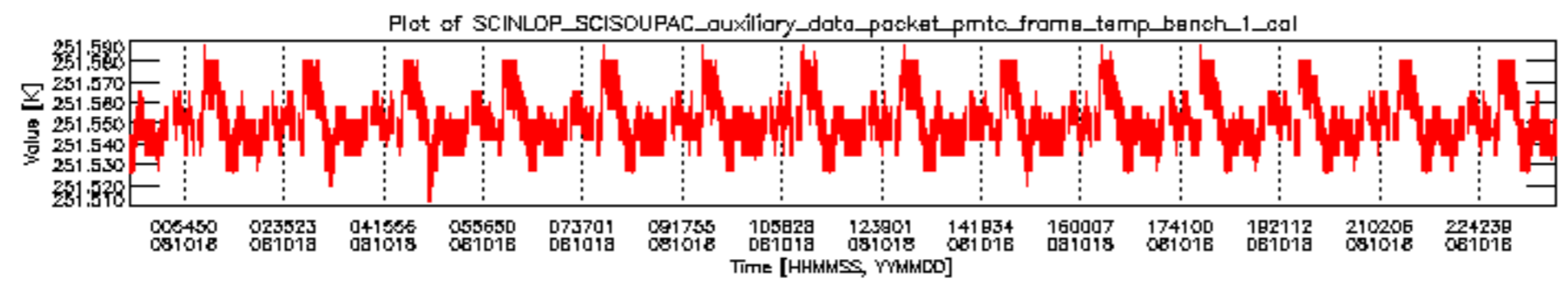
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081017_010110_20081016_184403_20081026_201016
2	AUX_FPO_AXVPDS20081018_010110_20081017_195302_20081027_211915

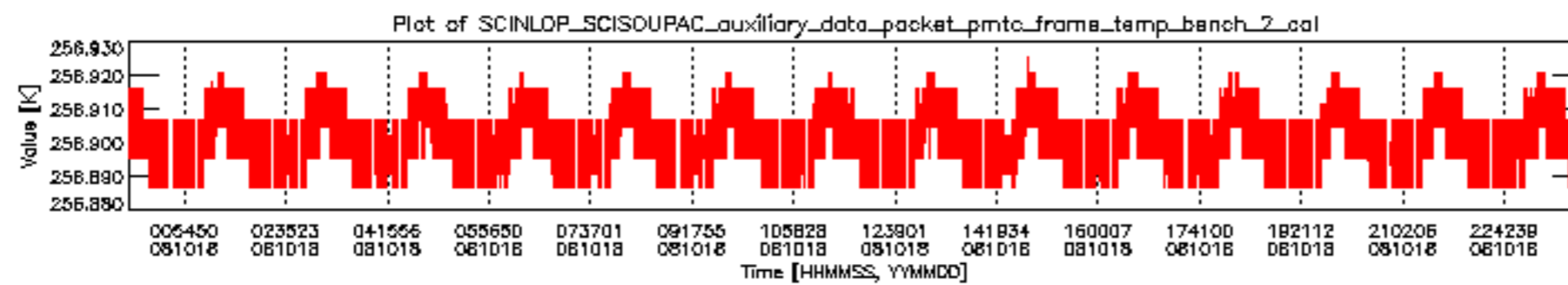


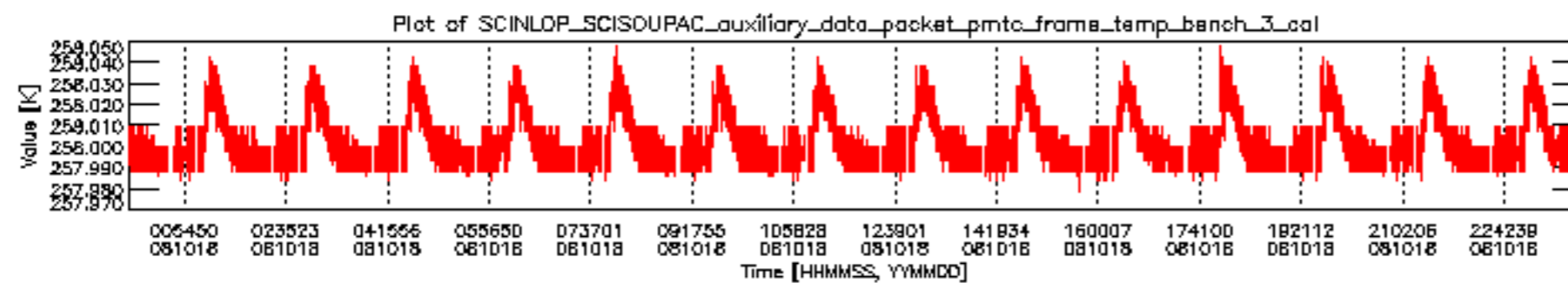
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081018_7.PNG

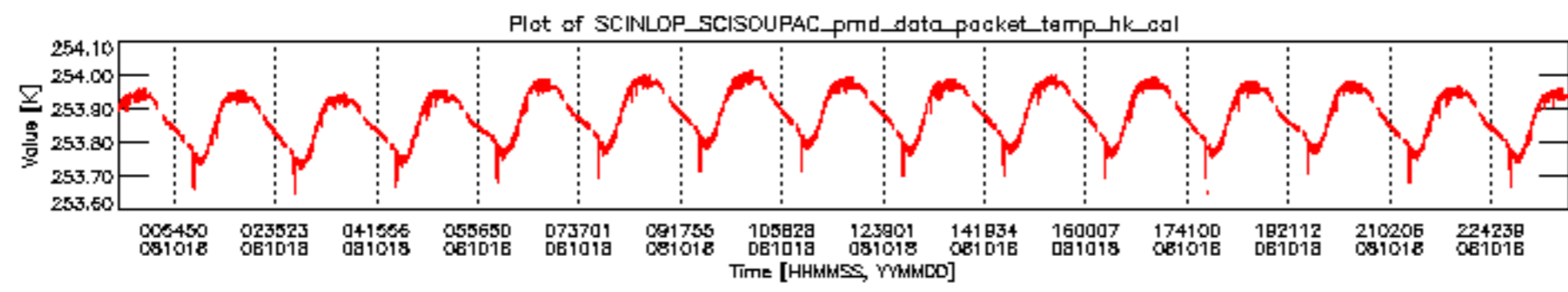


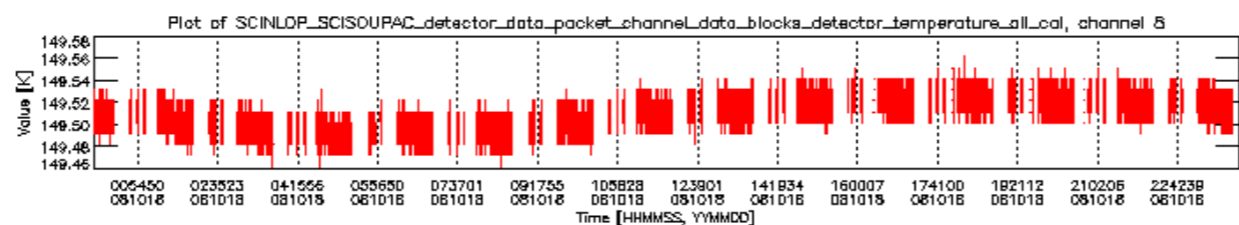
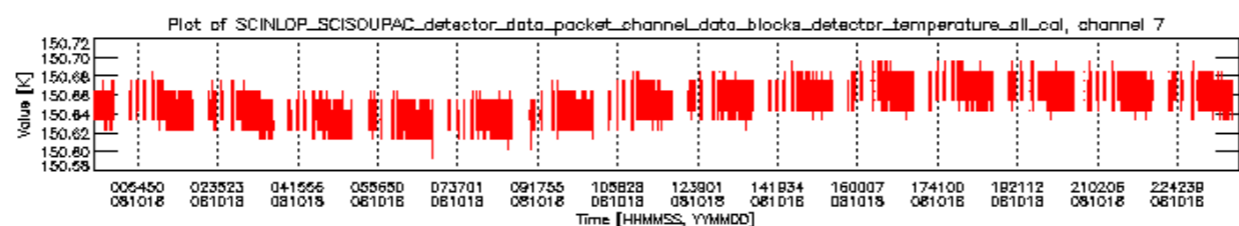
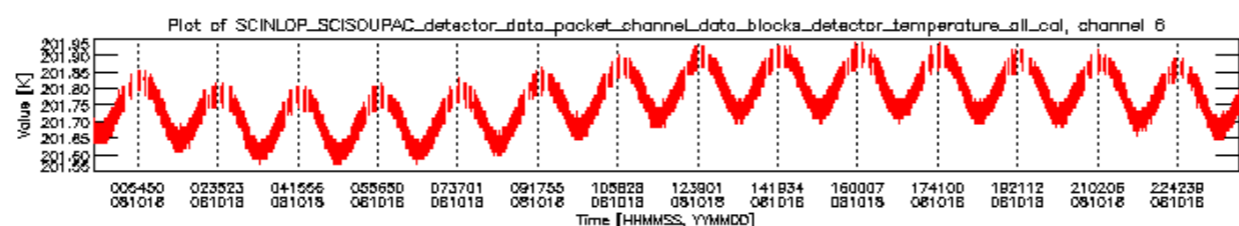
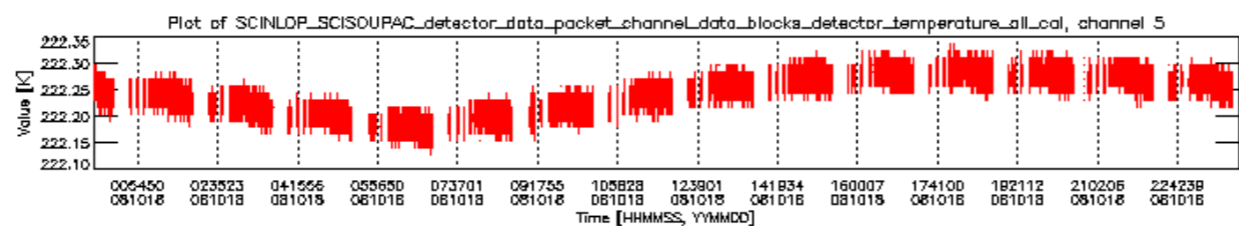
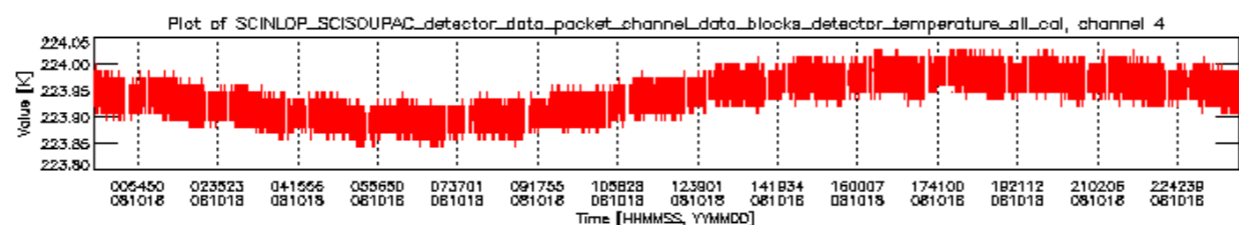
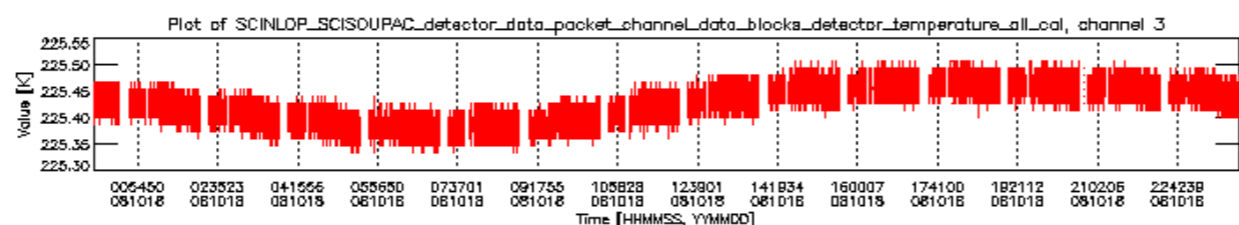
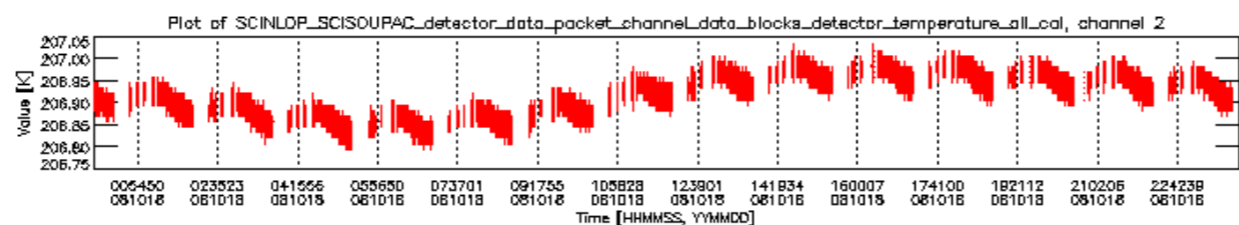
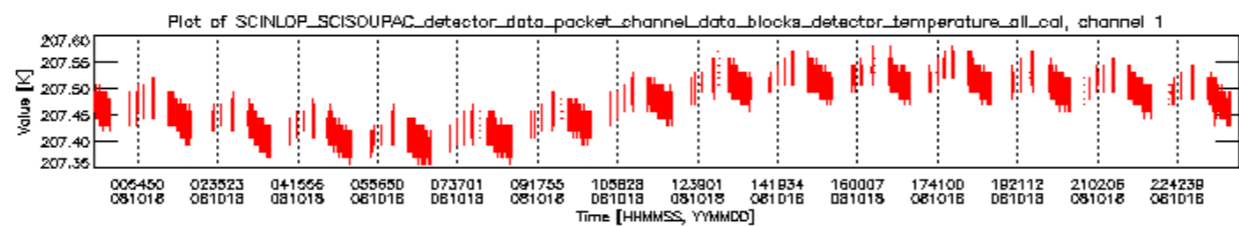
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081018_8.PNG

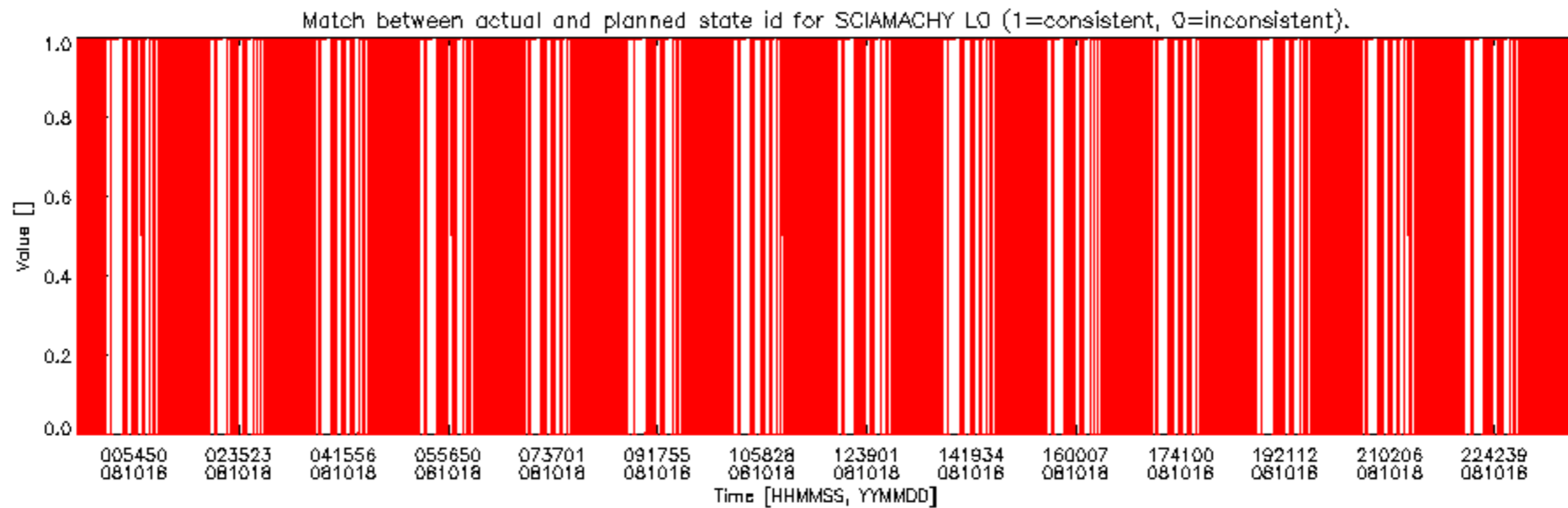
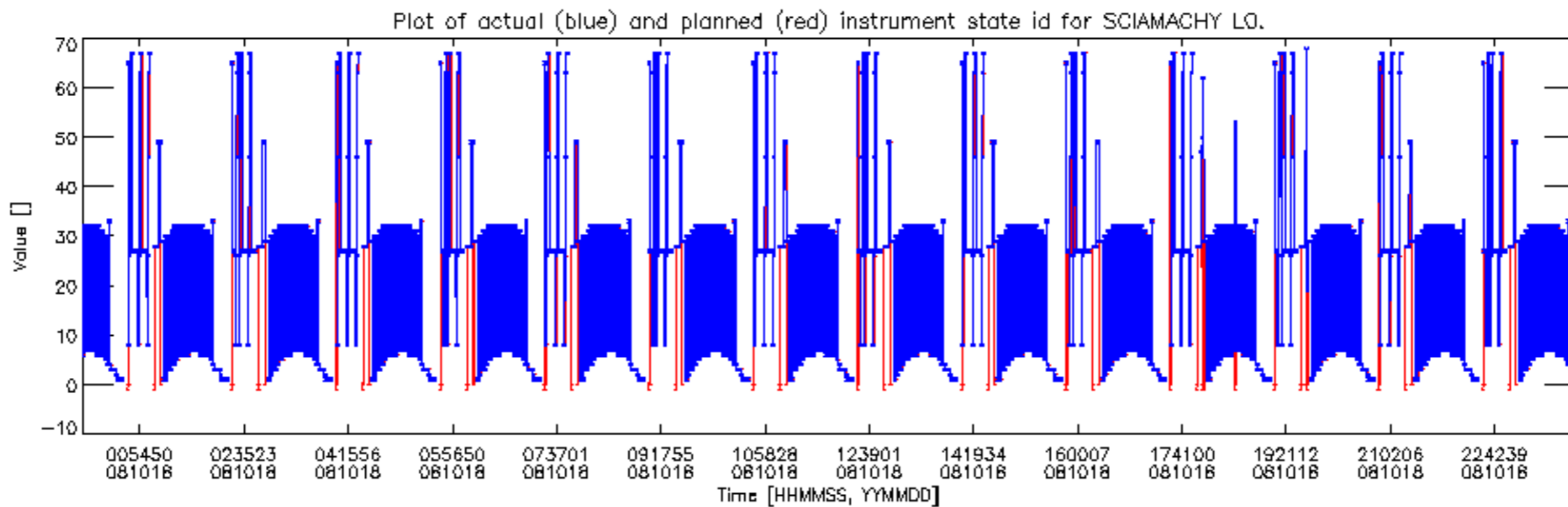












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