

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	28MAR2009 05:43:09
Data source version	KSPT_L0/4303-N
Processing scope for products	25MAR2009 00:00:00 to 26MAR2009 00:00:00
Start time of first product within scope	24MAR2009 23:35:49
Stop time of last product within scope	26MAR2009 00:47:25
Total number of level 0 products	16
Number of level 0 products with errors	1

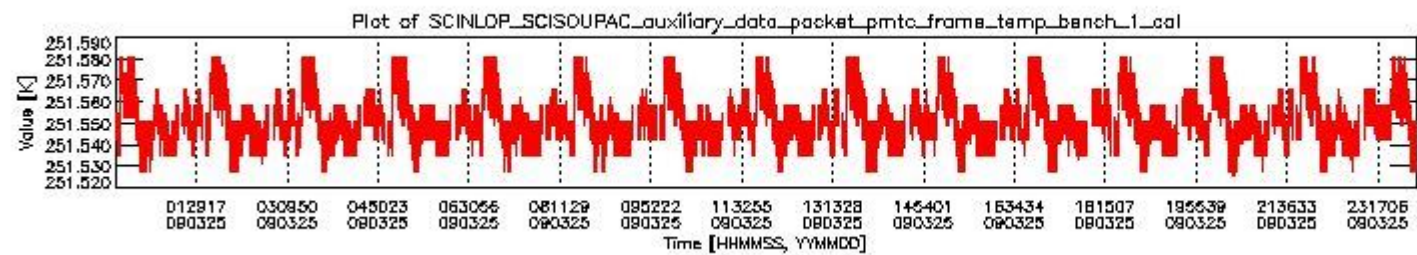
0.1.2 Summary per product

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

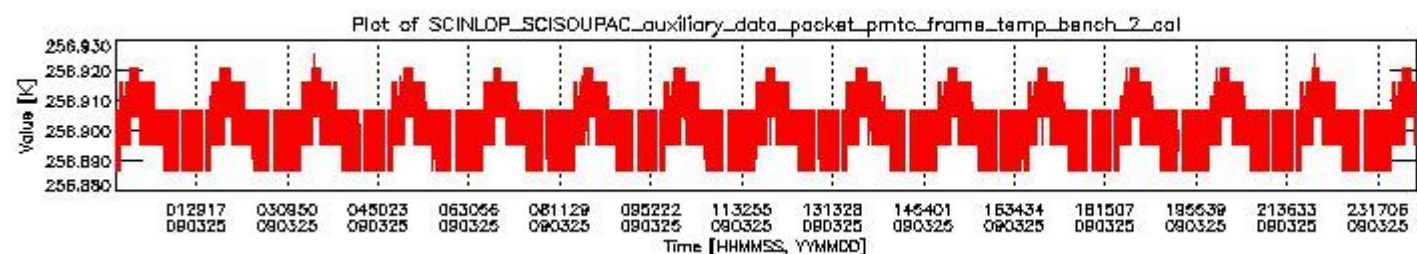
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090324_233549_000060772077_00316_36943_8814.N1	24MAR2009 23:35:49	25MAR2009 01:17:06	0	0	0	0	0
1	SCI_NL__OPNPDE20090325_011538_000047372077_00317_36944_8815.N1	25MAR2009 01:15:38	25MAR2009 02:34:34	0	0	0	0	0
2	SCI_NL__OPNPDE20090325_023339_000057872077_00318_36945_8816.N1	25MAR2009 02:33:39	25MAR2009 04:10:05	0	0	0	0	0
3	SCI_NL__OPNPDE20090325_041005_000060362077_00319_36946_8817.N1	25MAR2009 04:10:05	25MAR2009 05:50:41	0	0	0	0	0
4	SCI_NL__OPNPDE20090325_055041_000062292077_00320_36947_8818.N1	25MAR2009 05:50:41	25MAR2009 07:34:29	0	0	0	0	0
5	SCI_NL__OPNPDK20090325_073321_000039202077_00321_36948_1052.N1	25MAR2009 07:33:21	25MAR2009 08:38:41	0	0	0	0	0
6	SCI_NL__OPNPDK20090325_083732_000062282077_00322_36949_1053.N1	25MAR2009 08:37:32	25MAR2009 10:21:21	0	0	0	0	0
7	SCI_NL__OPNPDK20090325_102025_000060232077_00323_36950_1054.N1	25MAR2009 10:20:25	25MAR2009 12:00:48	0	0	0	0	0
8	SCI_NL__OPNPDK20090325_115952_000059802077_00324_36951_1055.N1	25MAR2009 11:59:52	25MAR2009 13:39:31	1	1	0	0	0
9	SCI_NL__OPNPDK20090325_133823_000059672077_00325_36952_1056.N1	25MAR2009 13:38:23	25MAR2009 15:17:50	0	0	0	0	0
10	SCI_NL__OPNPDK20090325_151654_000057312077_00326_36953_1057.N1	25MAR2009 15:16:54	25MAR2009 16:52:25	0	0	0	0	0
11	SCI_NL__OPNPDK20090325_165129_000060932077_00327_36954_1058.N1	25MAR2009 16:51:29	25MAR2009 18:33:02	0	0	0	0	0
12	SCI_NL__OPNPDK20090325_183206_000059612077_00328_36955_1059.N1	25MAR2009 18:32:06	25MAR2009 20:11:26	0	0	0	0	0
13	SCI_NL__OPNPDE20090325_200926_000045282077_00329_36956_8819.N1	25MAR2009 20:09:26	25MAR2009 21:24:54	0	0	0	0	0
14	SCI_NL__OPNPDE20090325_212326_000060712077_00329_36956_8820.N1	25MAR2009 21:23:26	25MAR2009 23:04:37	0	0	0	0	0
15	SCI_NL__OPNPDE20090325_230404_000062012077_00330_36957_8821.N1	25MAR2009 23:04:04	26MAR2009 00:47:25	0	0	0	0	0

0.2 Product Quality Indicators

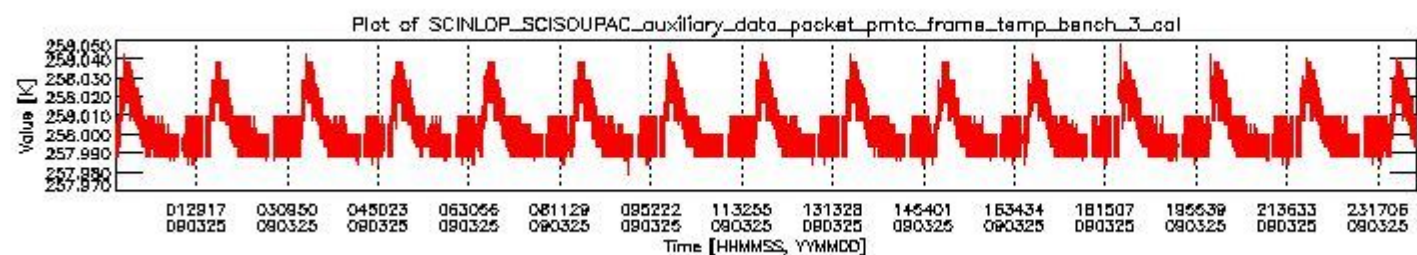
This section shows information about product quality, currently temperatures.



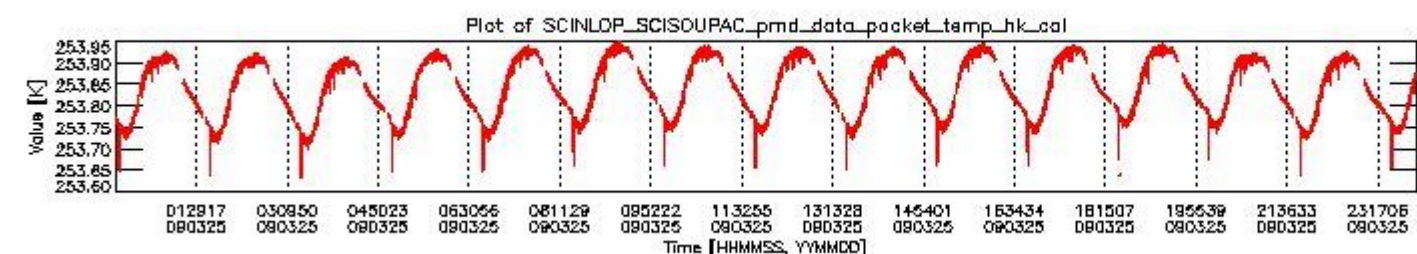
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090325_0.PNG



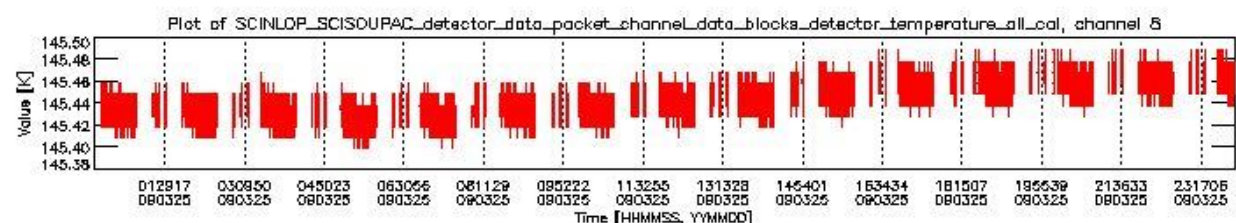
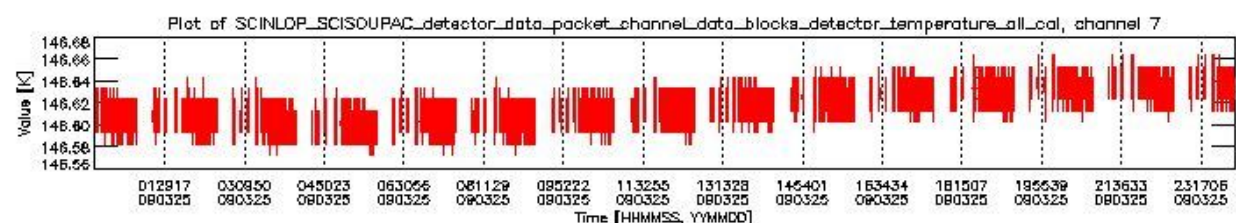
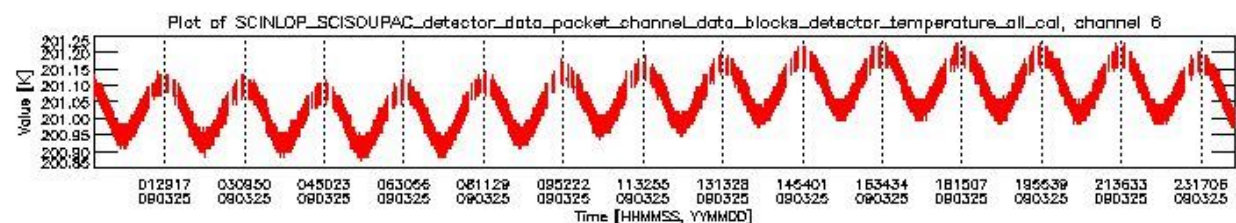
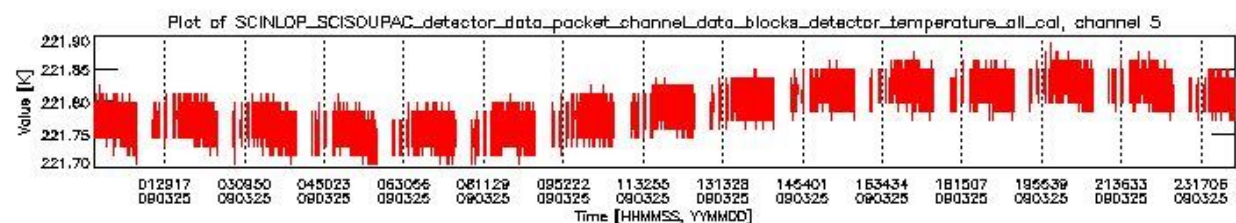
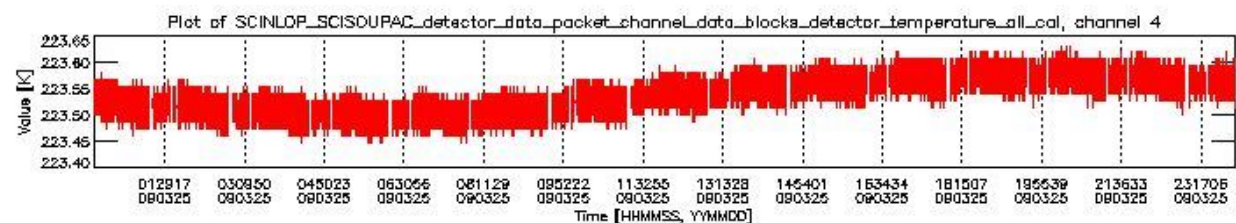
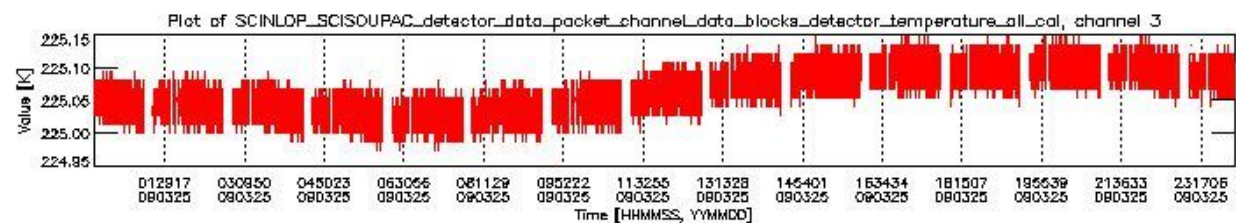
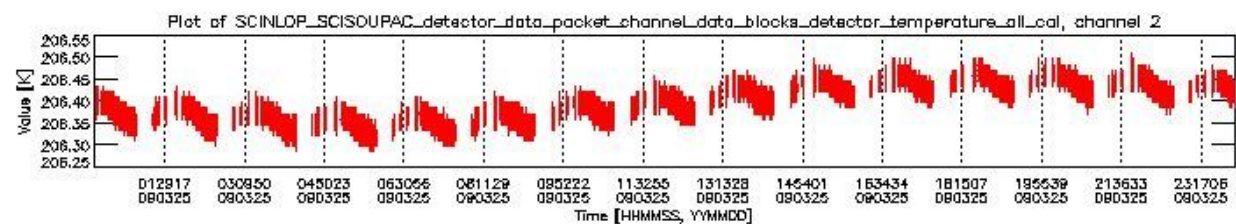
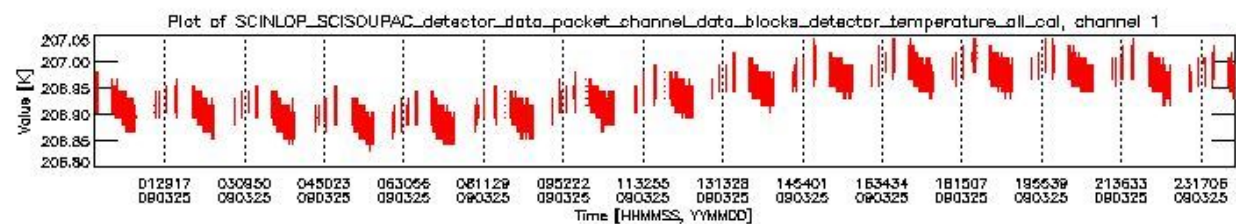
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20090325_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090325_3.PNG

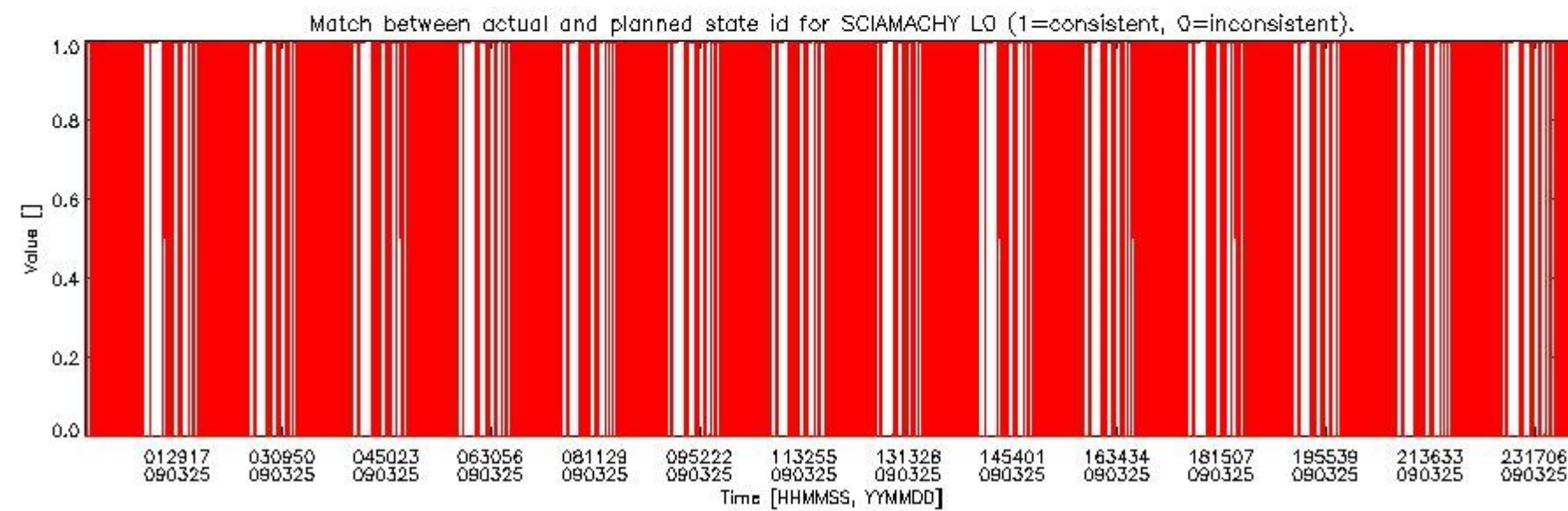
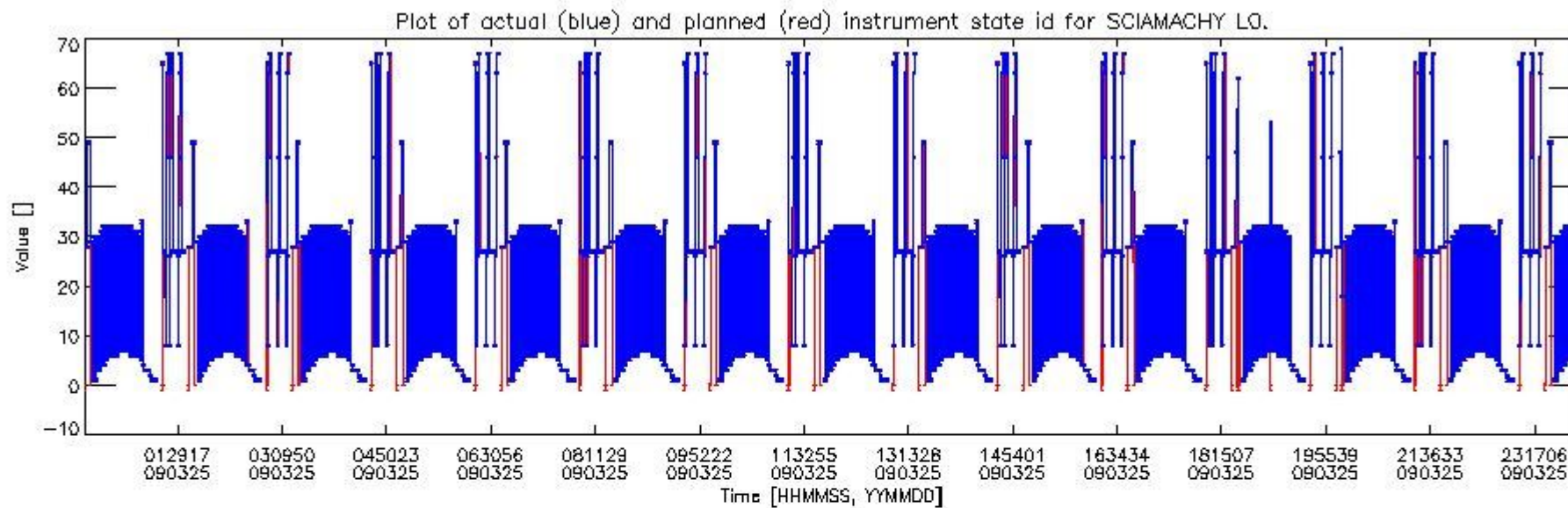


0.3 State monitoring

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: **53186**

#	Actual time	Actual value	Planned time	Planned value
0	25MAR2009 00:02:20.708993	49	25MAR2009 00:02:20.708993	28
1	25MAR2009 00:02:20.896480	49	25MAR2009 00:02:20.896480	28
2	25MAR2009 00:02:20.959002	49	25MAR2009 00:02:20.959002	28
3	25MAR2009 00:02:21.021484	49	25MAR2009 00:02:21.021484	28
4	25MAR2009 00:02:21.084006	49	25MAR2009 00:02:21.084006	28
5	25MAR2009 00:02:21.146488	49	25MAR2009 00:02:21.146488	28
6	25MAR2009 00:02:21.209011	49	25MAR2009 00:02:21.209011	28
7	25MAR2009 00:02:21.271493	49	25MAR2009 00:02:21.271493	28
8	25MAR2009 00:02:21.334015	49	25MAR2009 00:02:21.334015	28
9	25MAR2009 00:02:21.396497	49	25MAR2009 00:02:21.396497	28
10	25MAR2009 00:02:21.458979	49	25MAR2009 00:02:21.458979	28
11	25MAR2009 00:02:21.521502	49	25MAR2009 00:02:21.521502	28
12	25MAR2009 00:02:21.583984	49	25MAR2009 00:02:21.583984	28
13	25MAR2009 00:02:21.646506	49	25MAR2009 00:02:21.646506	28
14	25MAR2009 00:02:21.708988	49	25MAR2009 00:02:21.708988	28
15	25MAR2009 00:02:21.771510	49	25MAR2009 00:02:21.771510	28
16	25MAR2009 00:02:21.833992	49	25MAR2009 00:02:21.833992	28
17	25MAR2009 00:02:21.896515	49	25MAR2009 00:02:21.896515	28
18	25MAR2009 00:02:21.958997	49	25MAR2009 00:02:21.958997	28
19	25MAR2009 00:02:22.021479	49	25MAR2009 00:02:22.021479	28

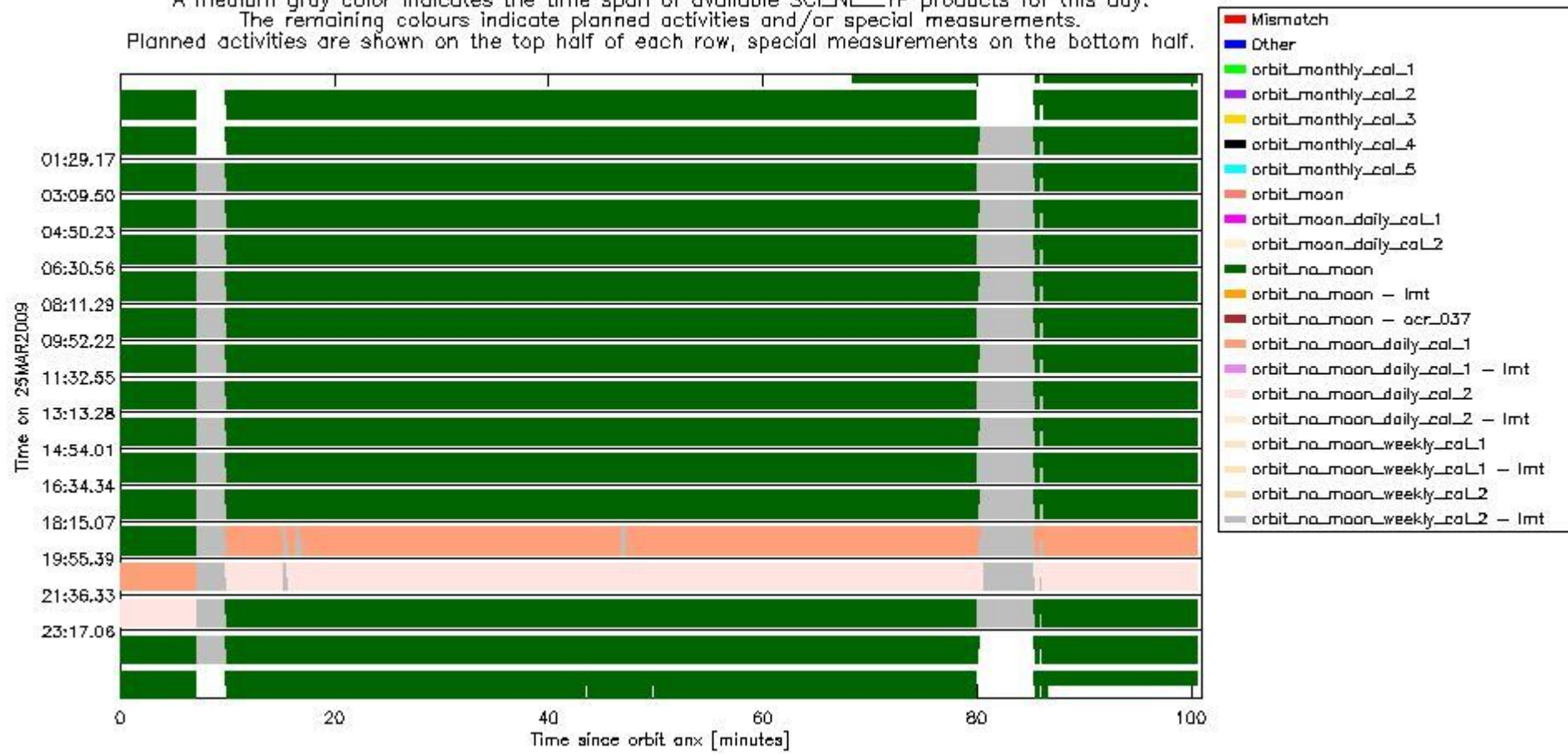


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090325_5.PNG

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 25MAR2009.
 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_20090325_6.PNG

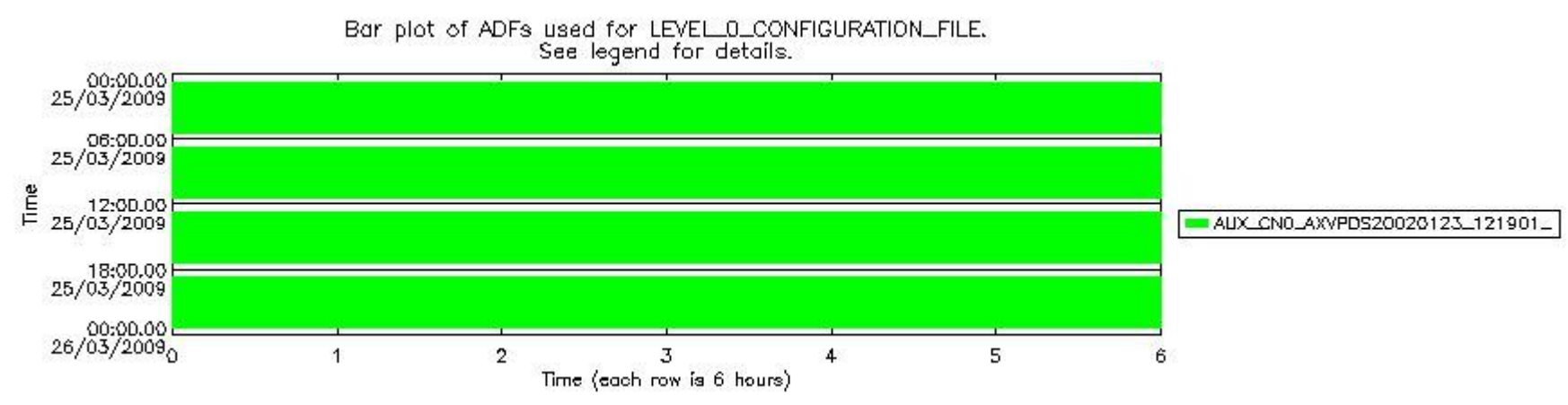
0.4 ADF monitoring

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

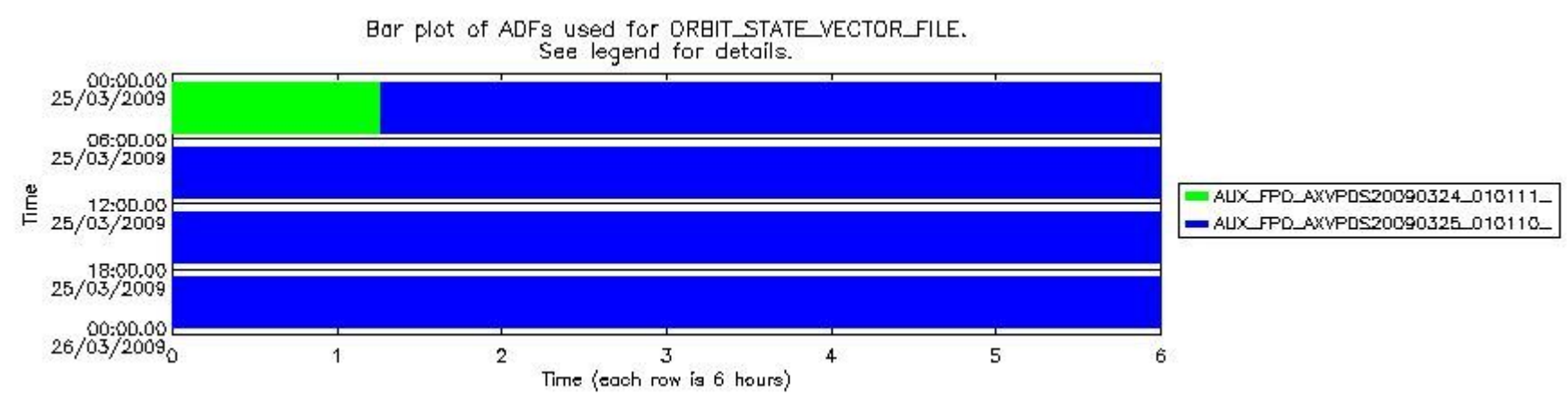
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

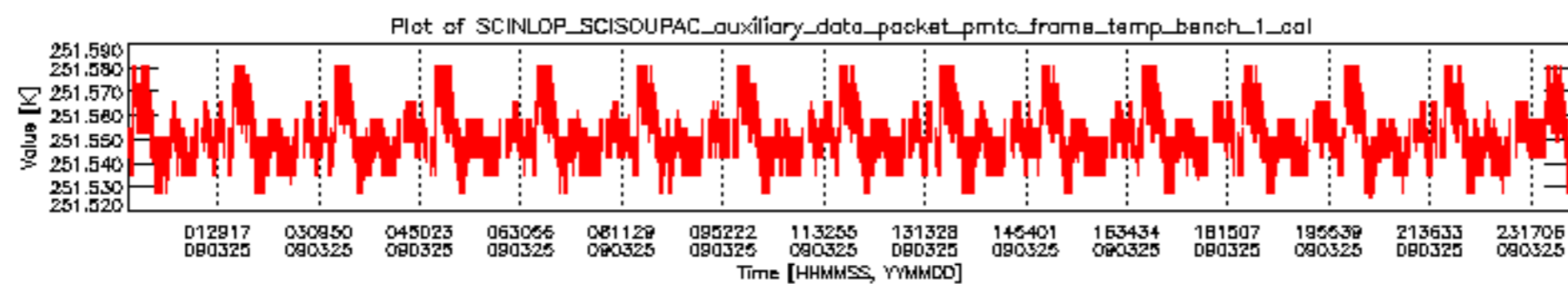
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090324_010111_20090323_191829_20090402_204441
2	AUX_FPO_AXVPDS20090325_010110_20090324_184652_20090403_201304

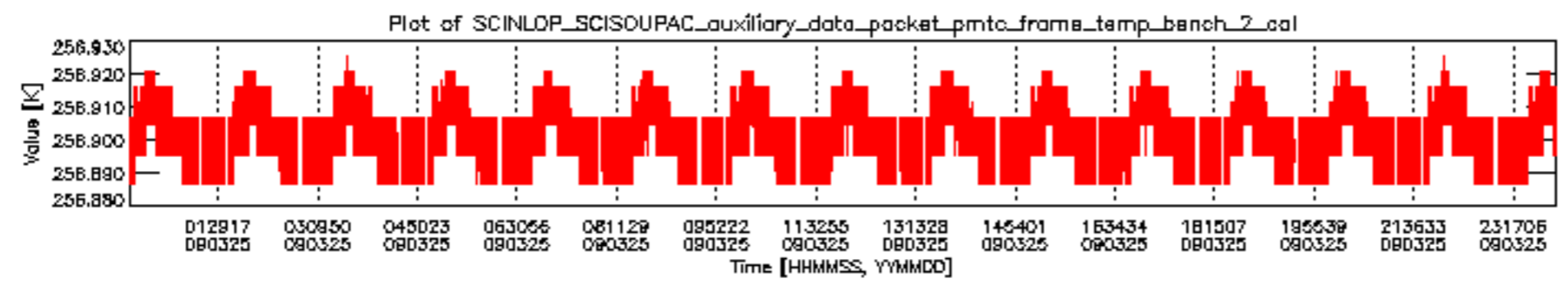


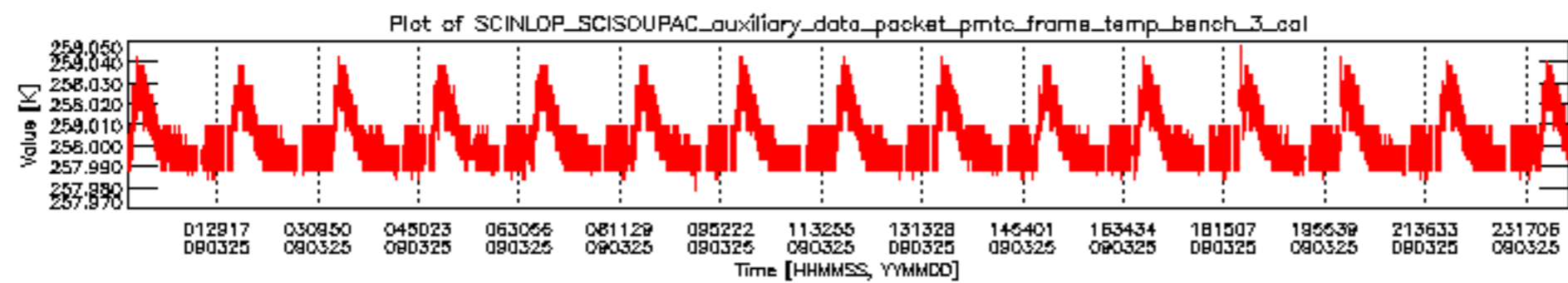
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090325_7.PNG

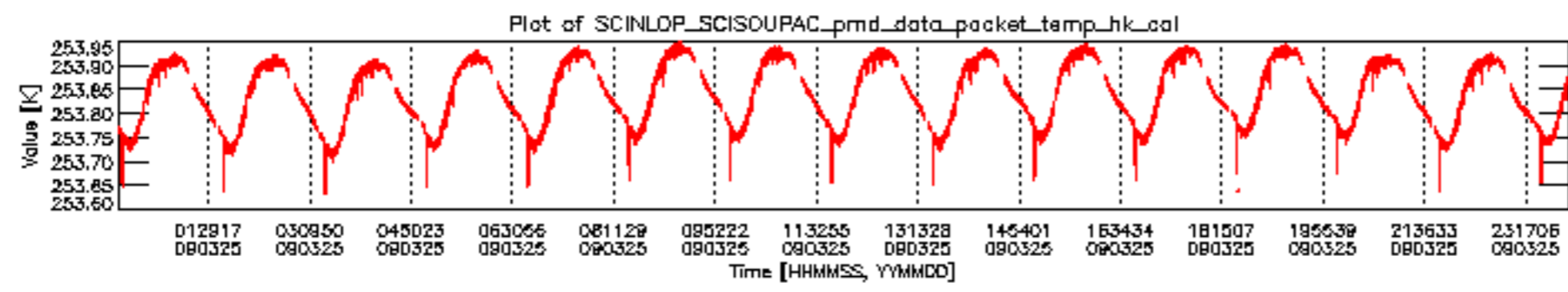


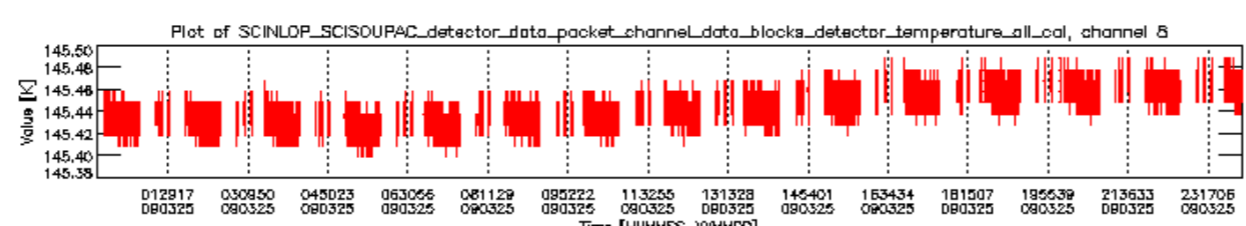
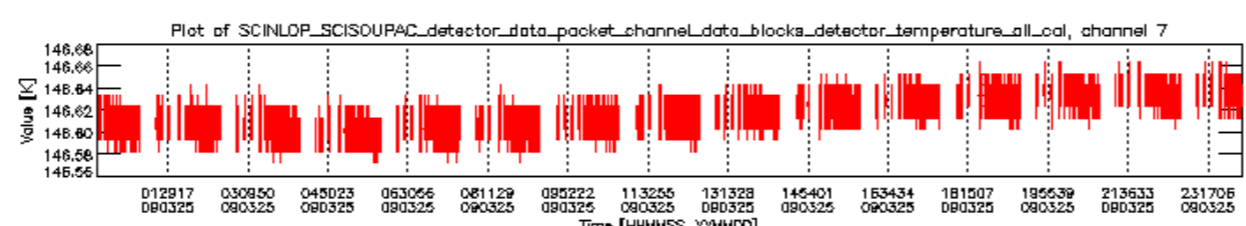
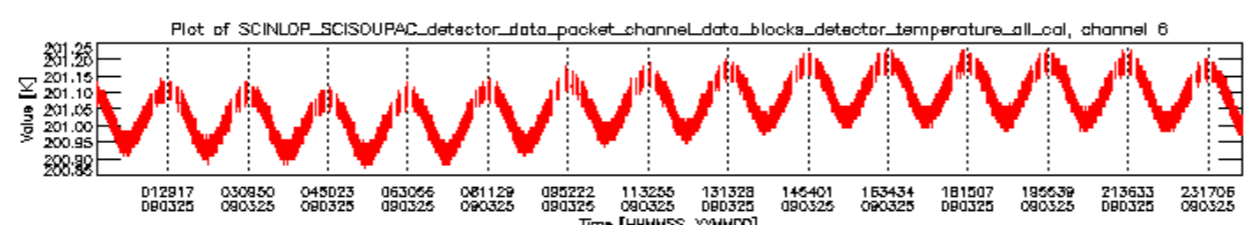
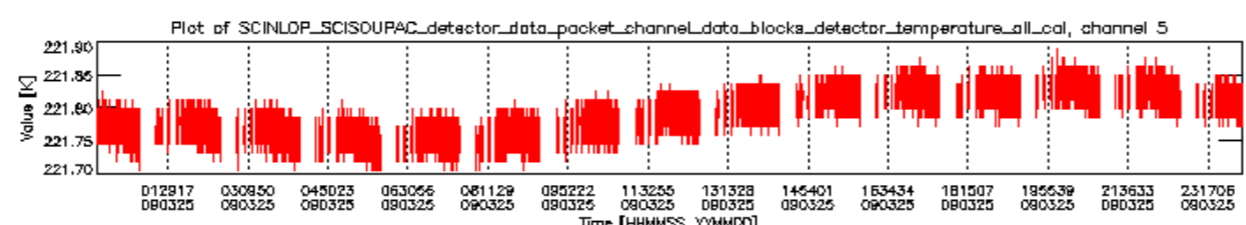
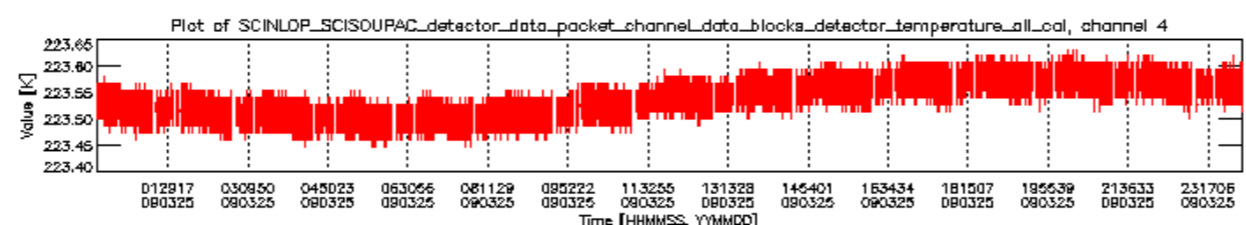
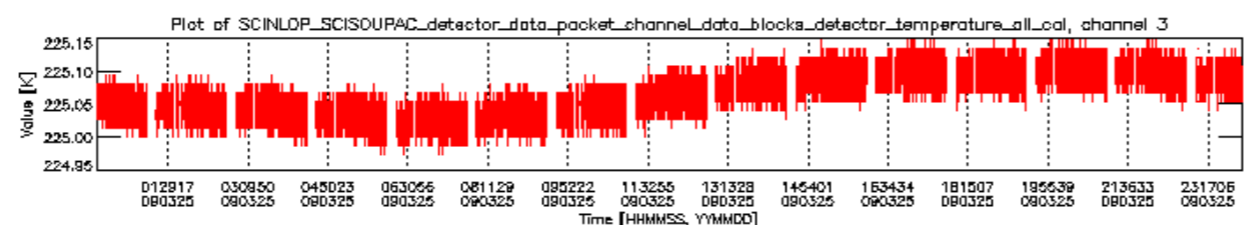
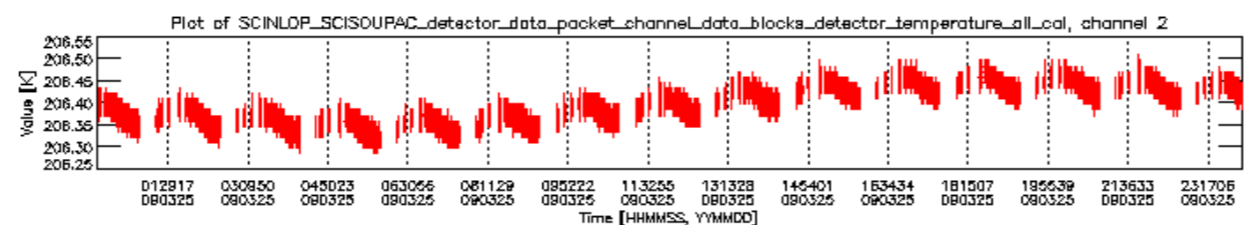
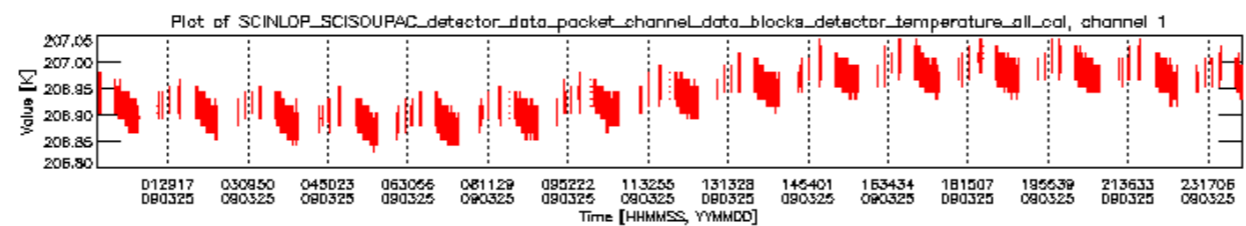
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090325_8.PNG

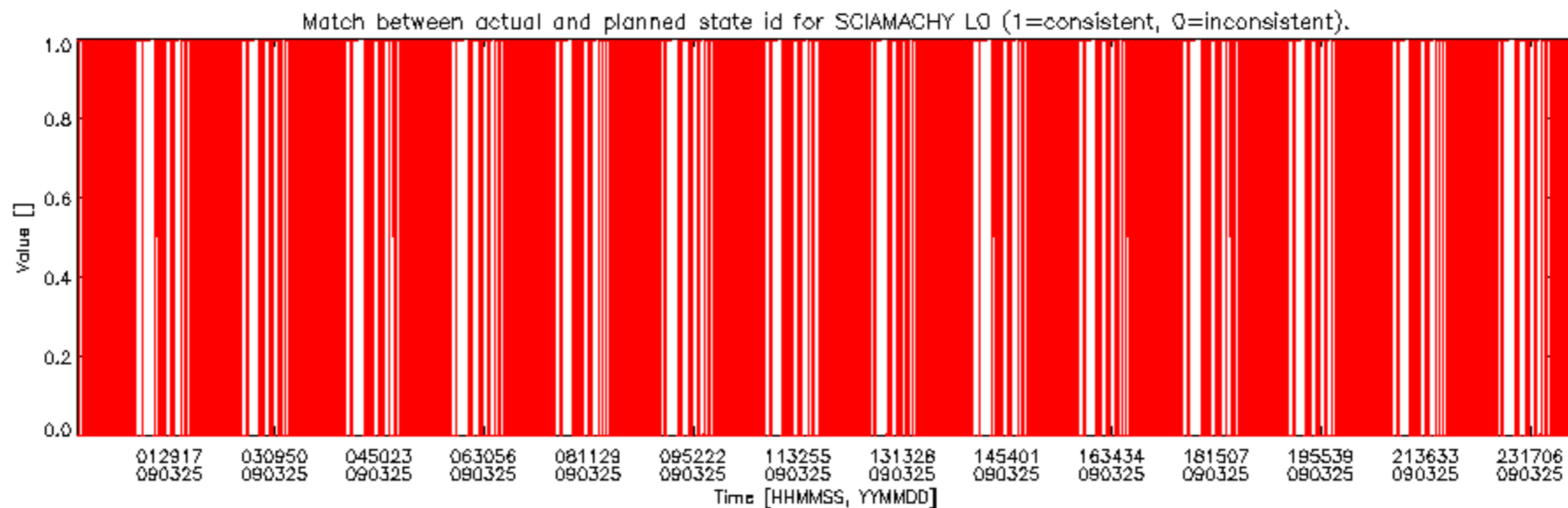
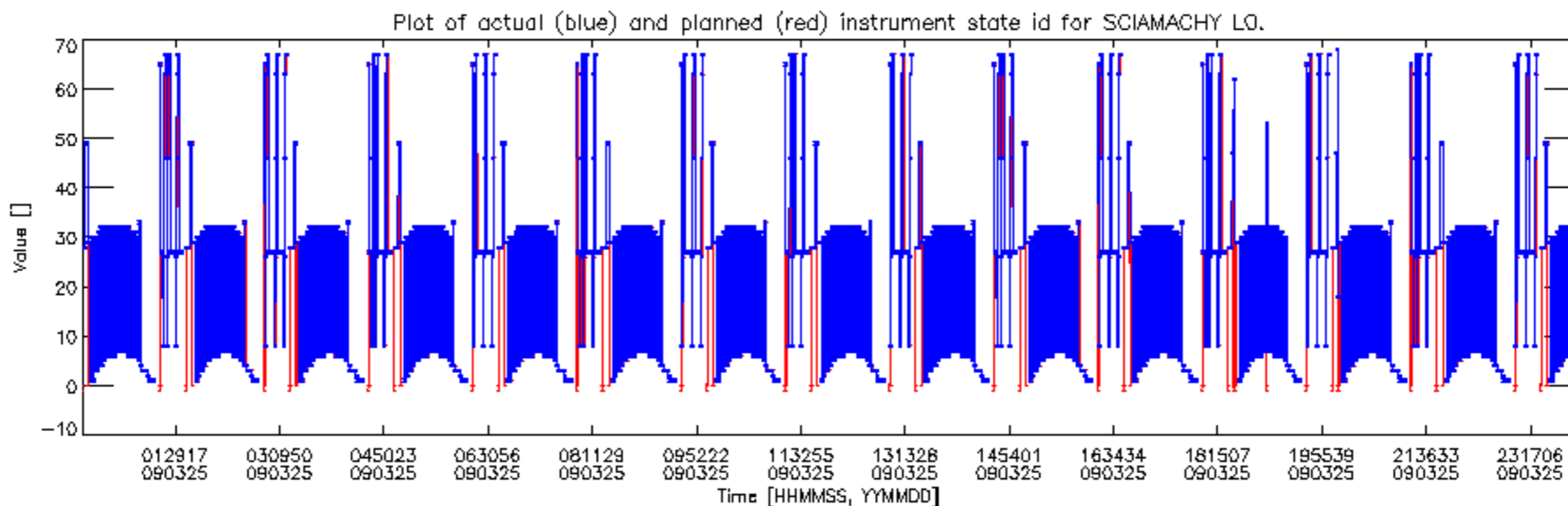












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