

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	29APR2008 08:21:36
Data source version	KSPT_L0/4303-N
Processing scope for products	25APR2008 00:00:00 to 26APR2008 00:00:00
Start time of first product within scope	24APR2008 23:33:58
Stop time of last product within scope	26APR2008 00:43:35
Total number of level 0 products	17
Number of level 0 products with errors	1

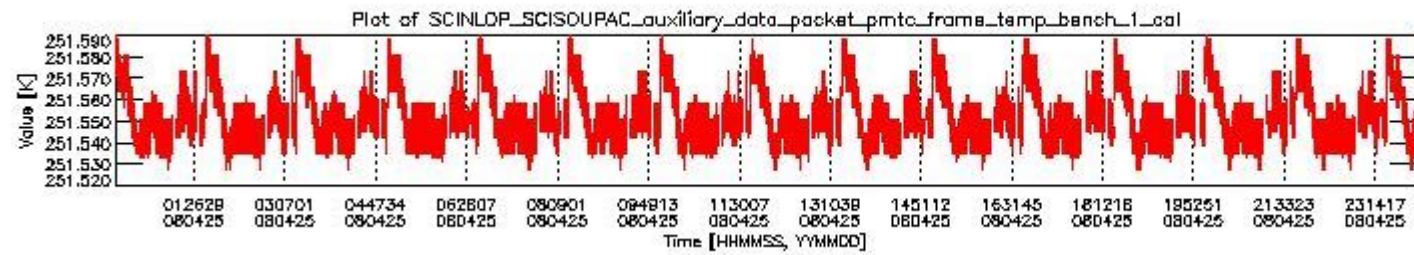
0.1.2 Summary per product

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

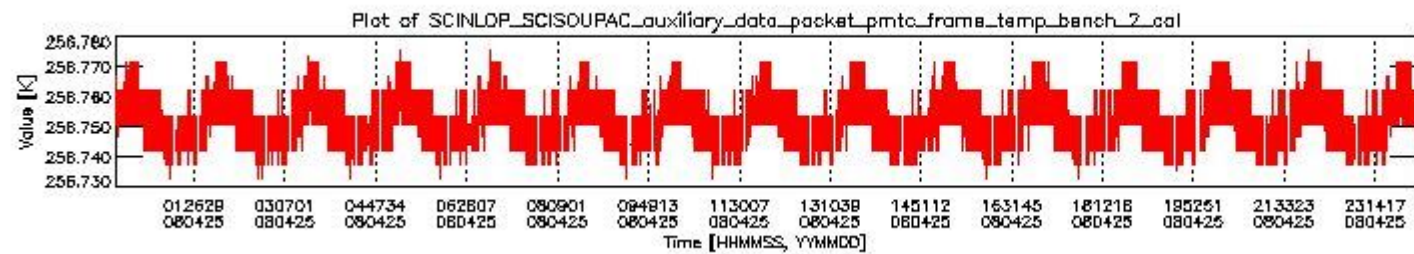
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080424_233358_000059922068_00044_32162_6551.N1	24APR2008 23:33:58	25APR2008 01:13:50	0	0	0	0	0
1	SCI_NL__OPNPDE20080425_011306_000046782068_00045_32163_6552.N1	25APR2008 01:13:06	25APR2008 02:31:04	0	0	0	0	0
2	SCI_NL__OPNPDE20080425_022955_000058432068_00046_32164_6553.N1	25APR2008 02:29:55	25APR2008 04:07:18	0	0	0	0	0
3	SCI_NL__OPNPDE20080425_040622_000061602068_00047_32165_6554.N1	25APR2008 04:06:22	25APR2008 05:49:02	0	0	0	0	0
4	SCI_NL__OPNPDK20080425_054806_000030492068_00048_32166_8039.N1	25APR2008 05:48:06	25APR2008 06:38:55	0	0	0	0	0
5	SCI_NL__OPNPDK20080425_063855_000010522068_00049_32167_8041.N1	25APR2008 06:38:55	25APR2008 06:56:27	0	0	0	0	0
6	SCI_NL__OPNPDK20080425_065627_000061042068_00049_32167_8042.N1	25APR2008 06:56:27	25APR2008 08:38:11	0	0	0	0	0
7	SCI_NL__OPNPDK20080425_083811_000059672068_00050_32168_8043.N1	25APR2008 08:38:11	25APR2008 10:17:38	0	0	0	0	0
8	SCI_NL__OPNPDK20080425_101629_000061042068_00051_32169_8044.N1	25APR2008 10:16:29	25APR2008 11:58:13	0	0	0	0	0
9	SCI_NL__OPNPDK20080425_115718_000059672068_00052_32170_8045.N1	25APR2008 11:57:18	25APR2008 13:36:45	0	0	0	0	0
10	SCI_NL__OPNPDK20080425_133645_000058552068_00053_32171_8046.N1	25APR2008 13:36:45	25APR2008 15:14:20	0	0	0	0	0
11	SCI_NL__OPNPDK20080425_151311_000059112068_00054_32172_8047.N1	25APR2008 15:13:11	25APR2008 16:51:43	0	0	0	0	0
12	SCI_NL__OPNPDK20080425_164938_000060532068_00055_32173_8048.N1	25APR2008 16:49:38	25APR2008 18:30:31	1	1	0	0	0
13	SCI_NL__OPNPDK20080425_182935_000059112068_00056_32174_8049.N1	25APR2008 18:29:35	25APR2008 20:08:07	0	0	0	0	0
14	SCI_NL__OPNPDE20080425_200615_000044372068_00057_32175_6555.N1	25APR2008 20:06:15	25APR2008 21:20:12	0	0	0	0	0
15	SCI_NL__OPNPDE20080425_211928_000062482068_00057_32175_6556.N1	25APR2008 21:19:28	25APR2008 23:03:36	0	0	0	0	0
16	SCI_NL__OPNPDE20080425_230302_000060332068_00058_32176_6557.N1	25APR2008 23:03:02	26APR2008 00:43:35	0	0	0	0	0

0.2 Product Quality Indicators

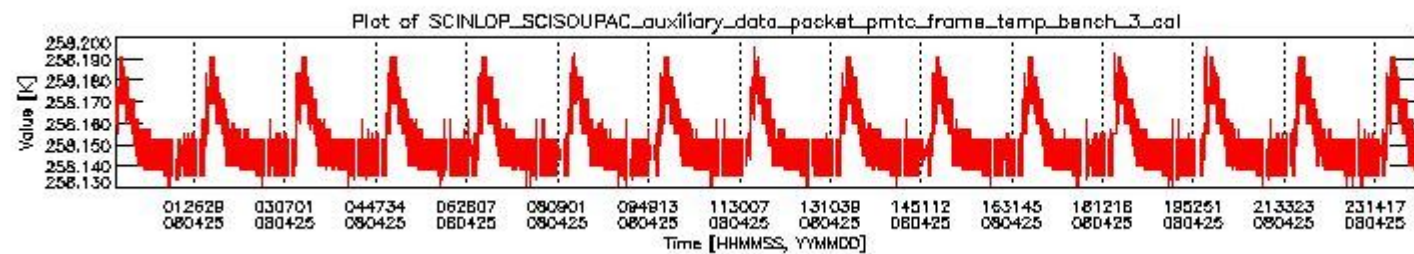
This section shows information about product quality, currently temperatures.



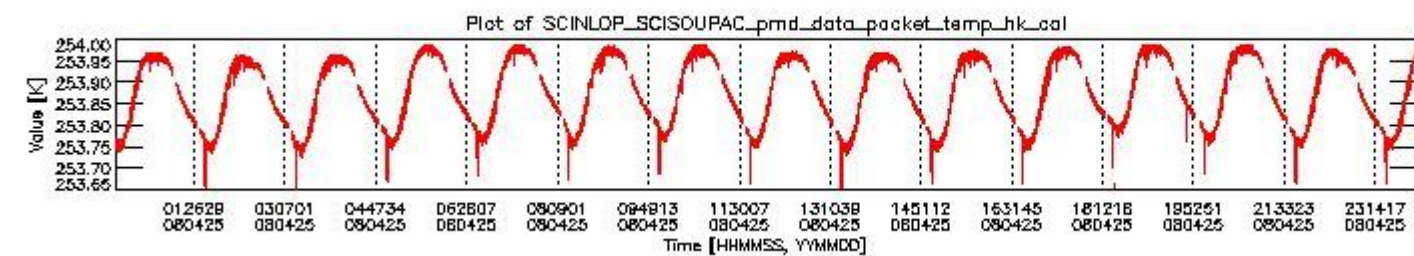
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080425_0.PNG



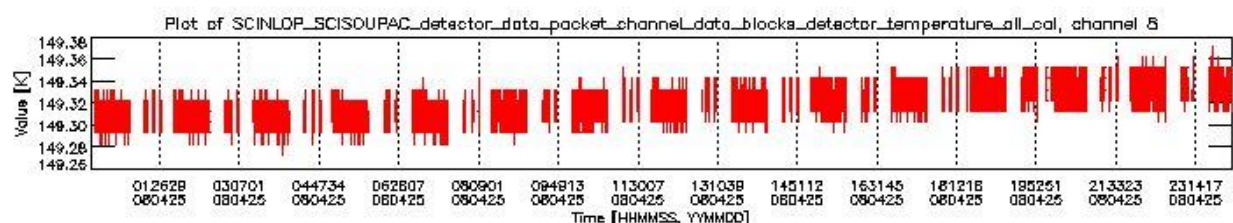
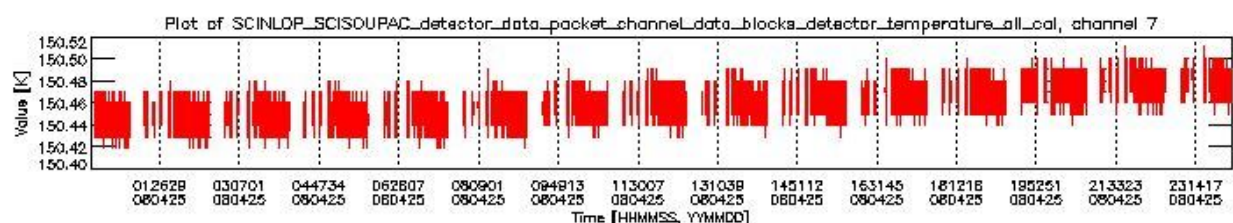
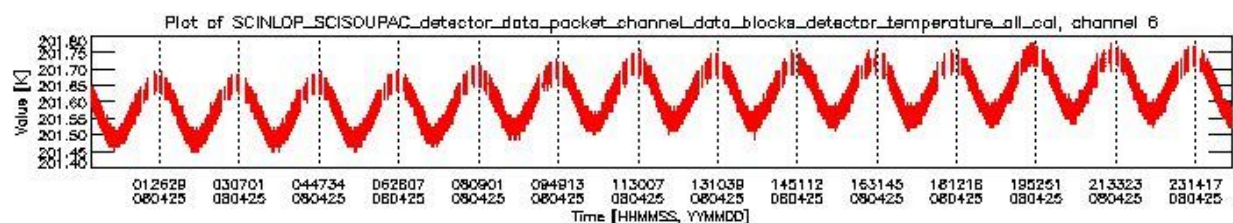
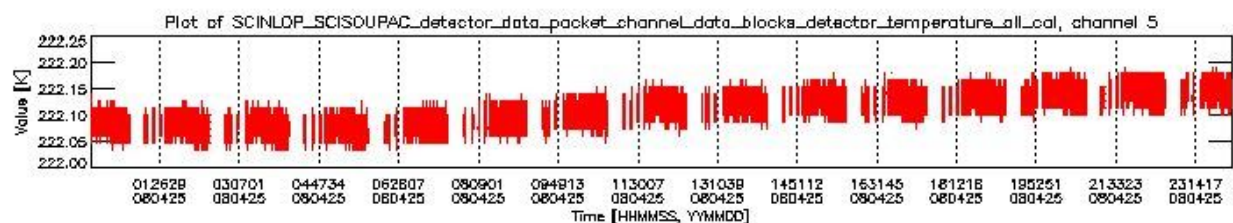
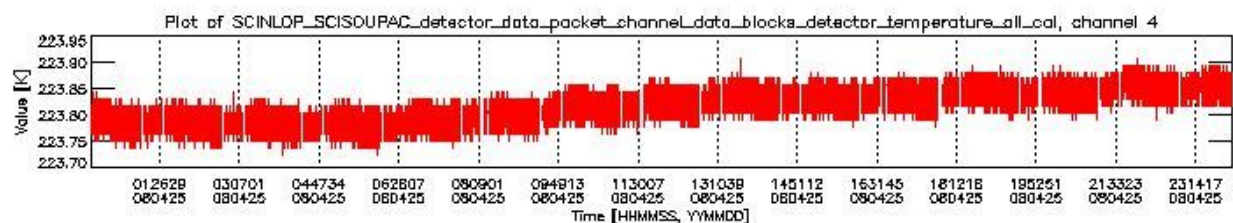
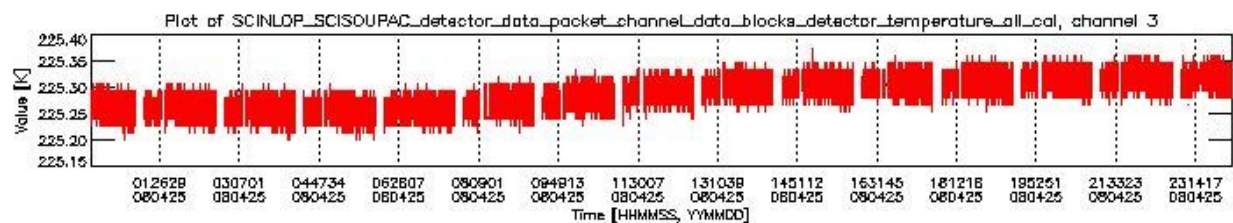
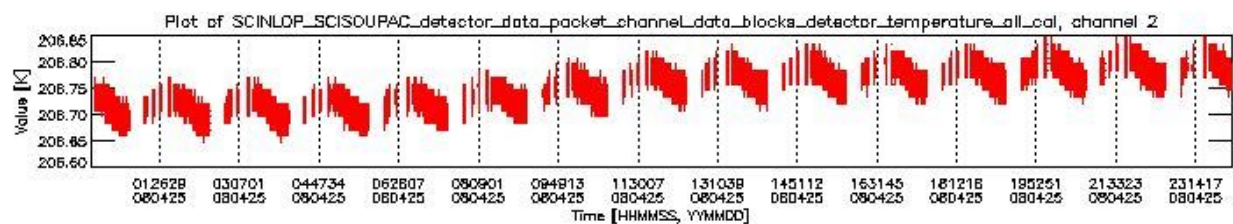
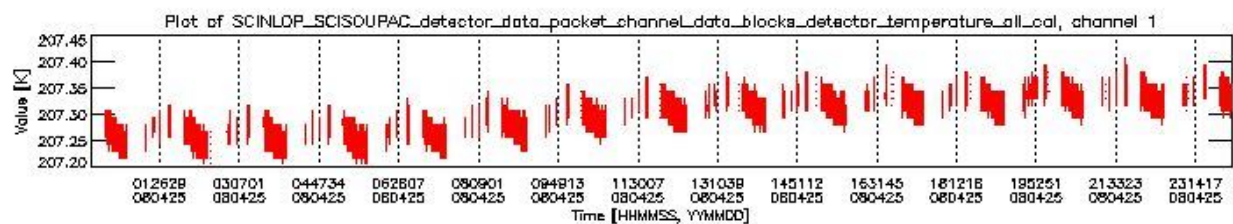
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080425_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080425_3.PNG

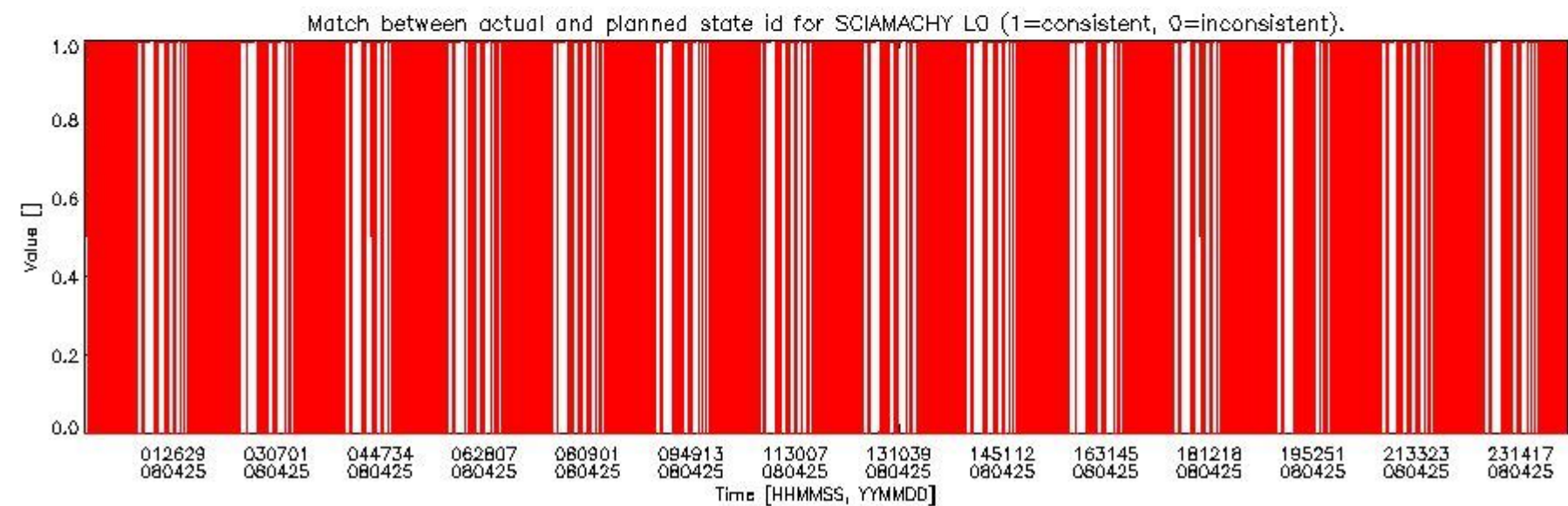
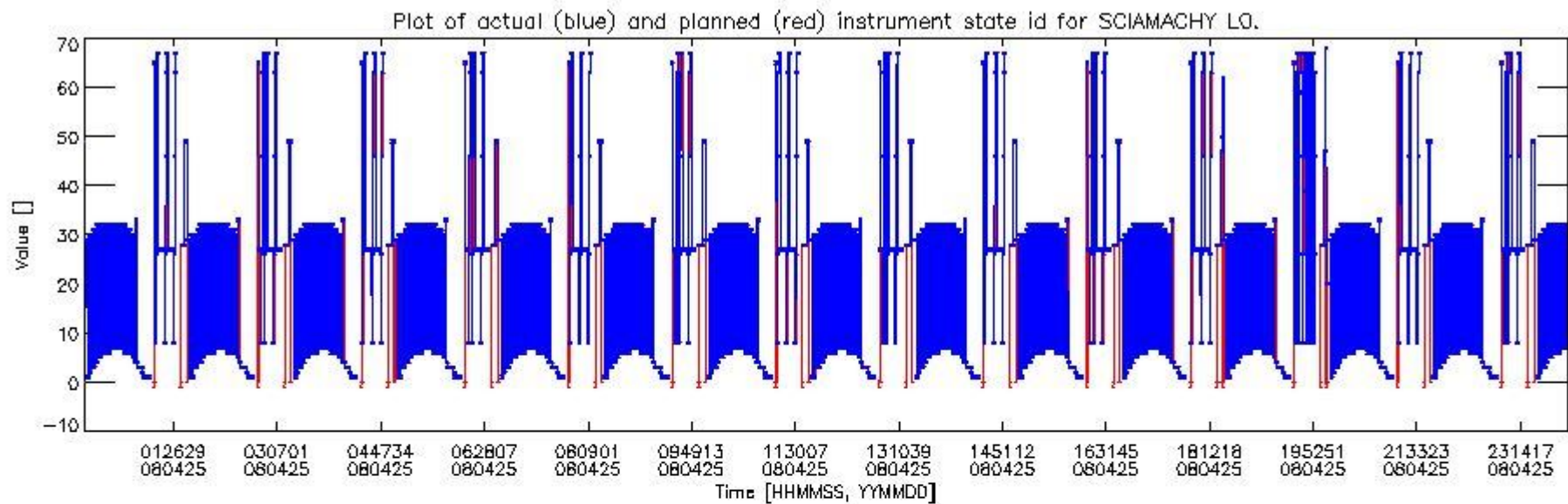


0.3 State monitoring

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: **46296**

#	Actual time	Actual value	Planned time	Planned value
0	25APR2008 00:02:34.124692	1	25APR2008 00:02:34.124692	29
1	25APR2008 00:02:34.374701	1	25APR2008 00:02:34.374701	29
2	25APR2008 00:02:34.499705	1	25APR2008 00:02:34.499705	29
3	25APR2008 00:02:34.624709	1	25APR2008 00:02:34.624709	29
4	25APR2008 00:02:34.749674	1	25APR2008 00:02:34.749674	29
5	25APR2008 00:02:34.874678	1	25APR2008 00:02:34.874678	29
6	25APR2008 00:02:34.999682	1	25APR2008 00:02:34.999682	29
7	25APR2008 00:02:35.124687	1	25APR2008 00:02:35.124687	29
8	25APR2008 00:02:35.249691	1	25APR2008 00:02:35.249691	29
9	25APR2008 00:02:35.374695	1	25APR2008 00:02:35.374695	29
10	25APR2008 00:02:35.499700	1	25APR2008 00:02:35.499700	29
11	25APR2008 00:02:35.624704	1	25APR2008 00:02:35.624704	29
12	25APR2008 00:02:35.749708	1	25APR2008 00:02:35.749708	29
13	25APR2008 00:02:35.874713	1	25APR2008 00:02:35.874713	29
14	25APR2008 00:02:35.999677	1	25APR2008 00:02:35.999677	29
15	25APR2008 00:02:36.124681	1	25APR2008 00:02:36.124681	29
16	25APR2008 00:02:36.249686	1	25APR2008 00:02:36.249686	29
17	25APR2008 00:02:36.374690	1	25APR2008 00:02:36.374690	29
18	25APR2008 00:02:36.499694	1	25APR2008 00:02:36.499694	29
19	25APR2008 00:02:36.624699	1	25APR2008 00:02:36.624699	29

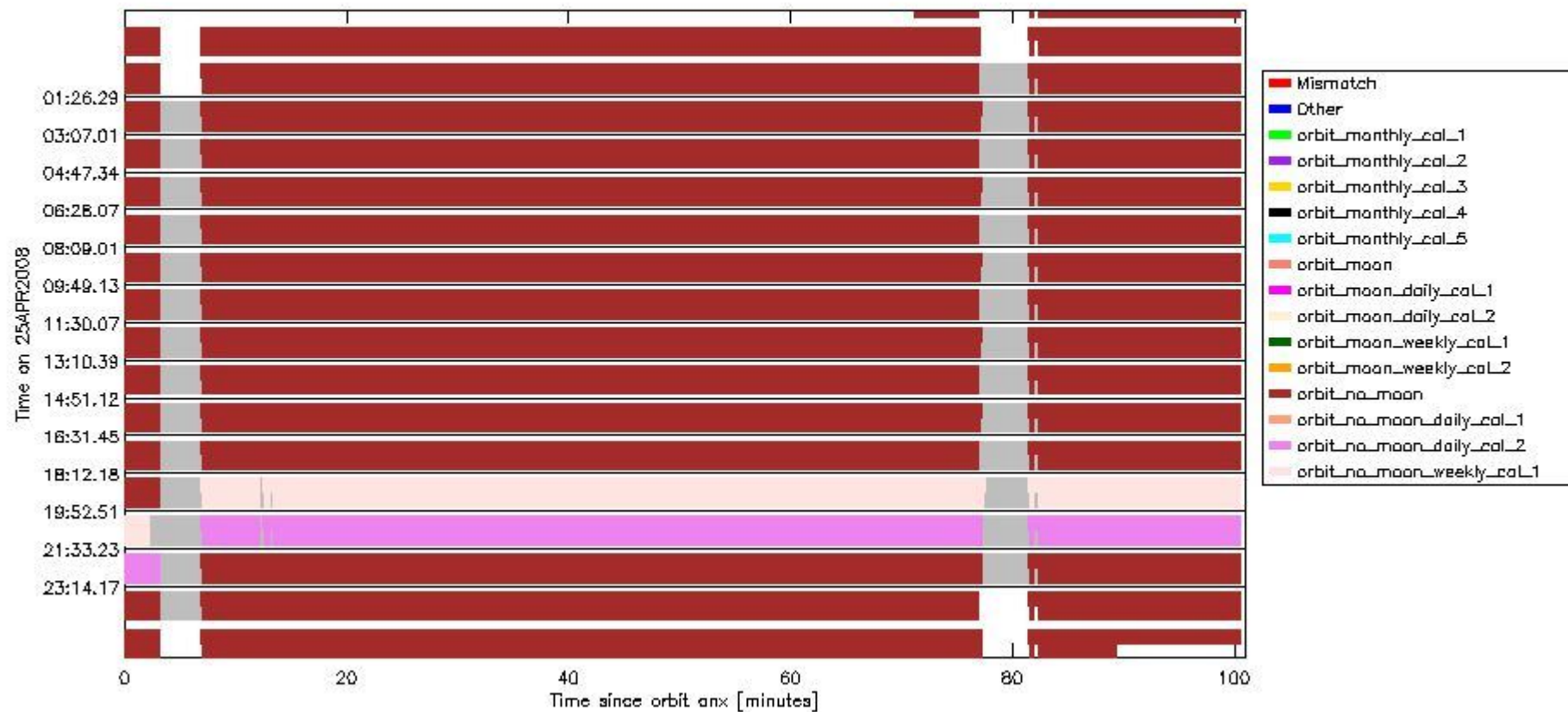


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080425_5.PNG

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 25APR2008.
 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_20080425_6.PNG

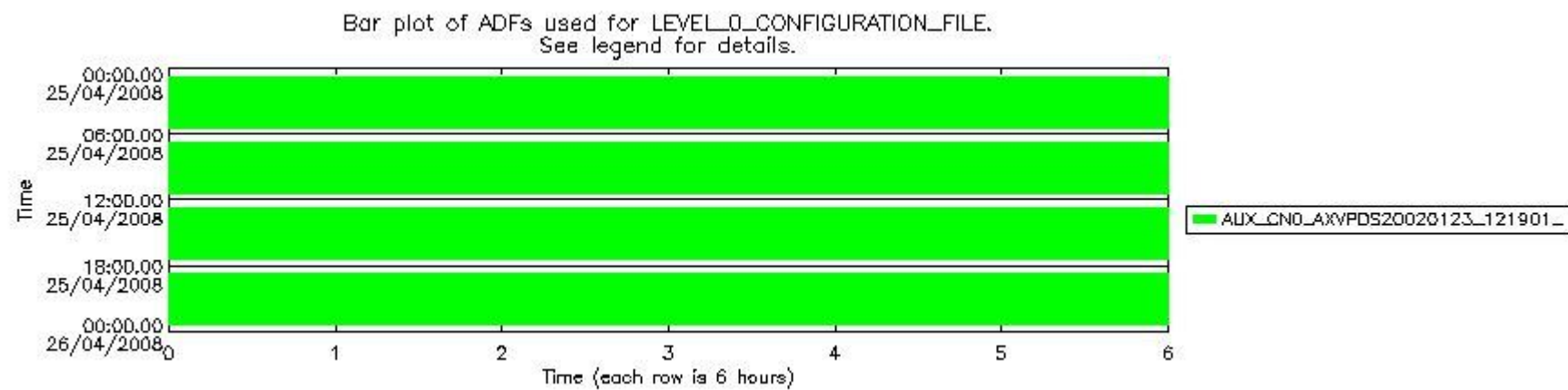
0.4 ADF monitoring

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

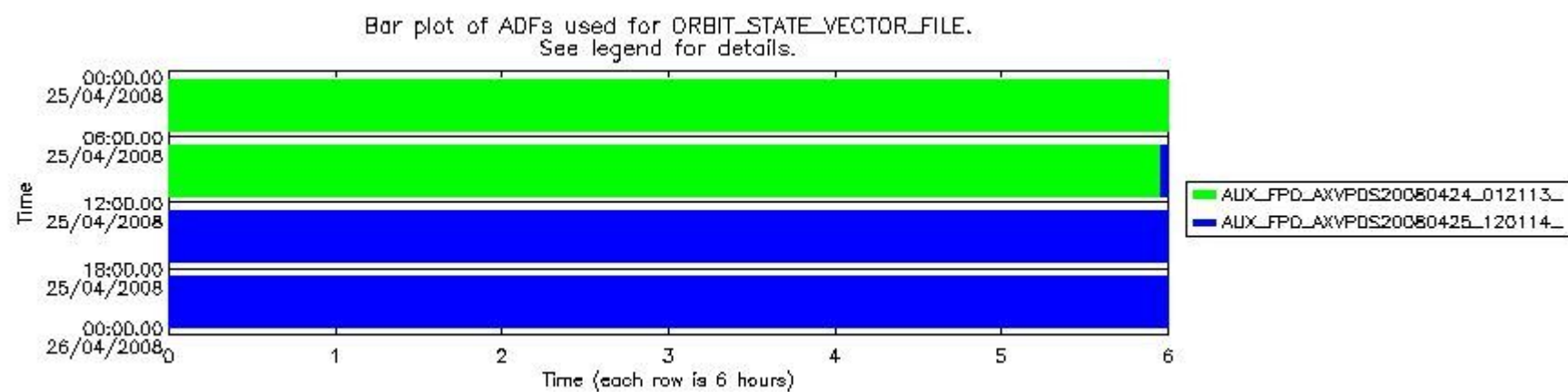
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

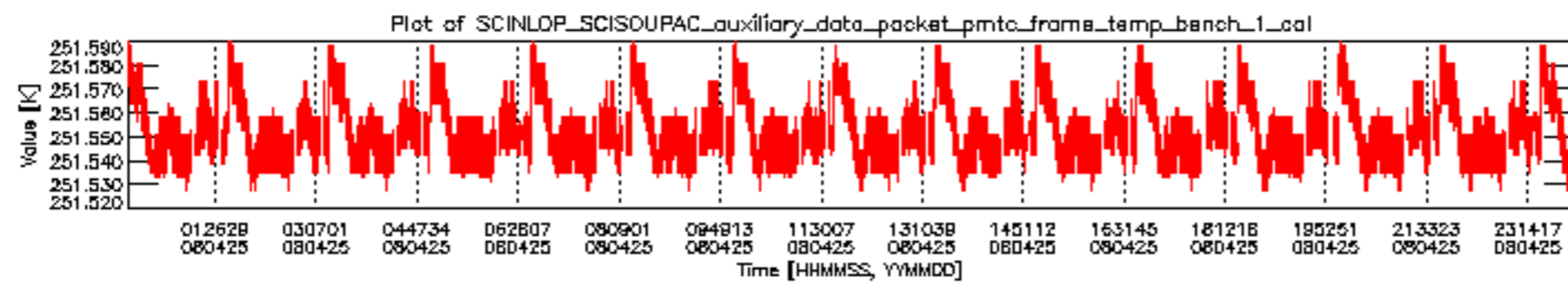
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080424_012113_20080423_191538_20080503_204153
2	AUX_FPO_AXVPDS20080425_120114_20080424_184401_20080504_201016

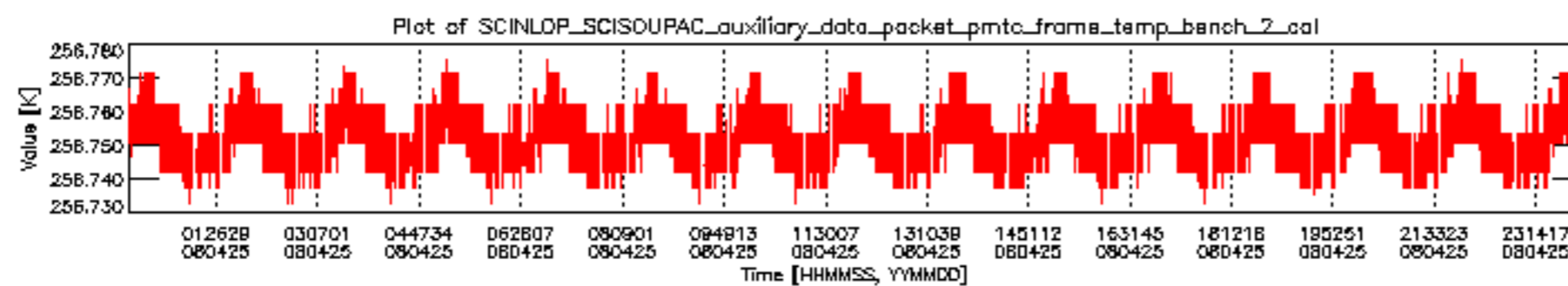


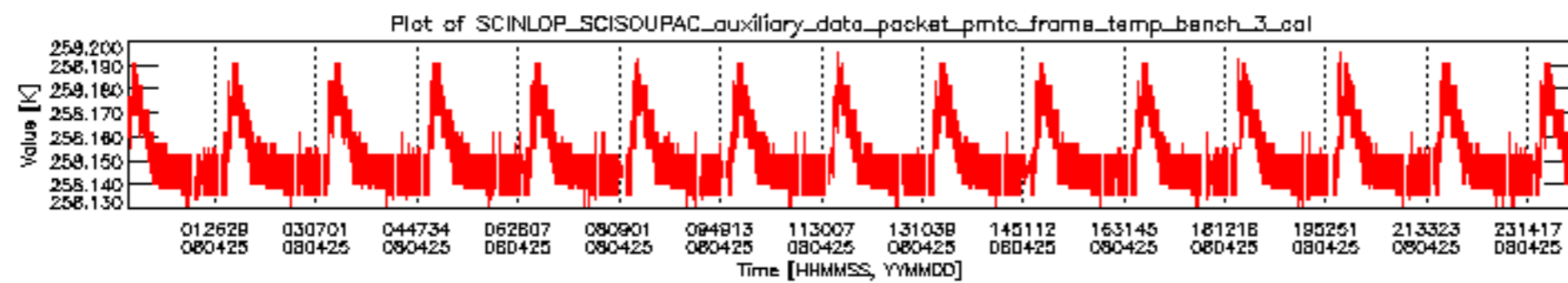
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080425_7.PNG

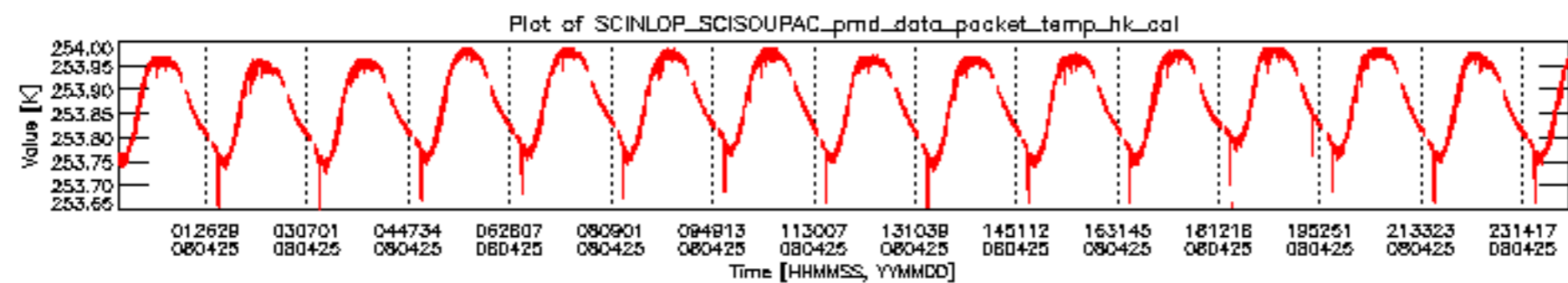


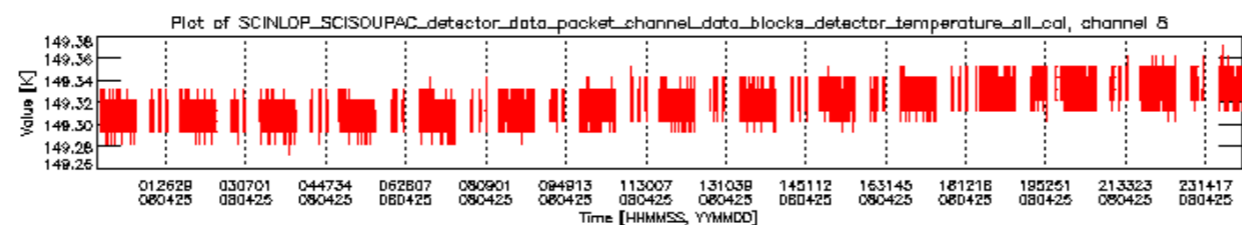
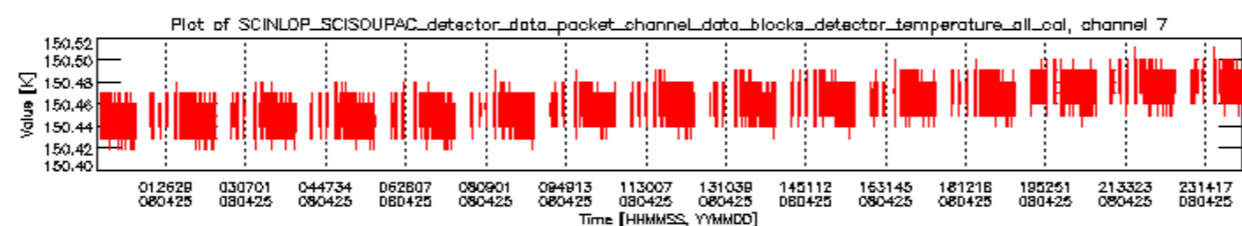
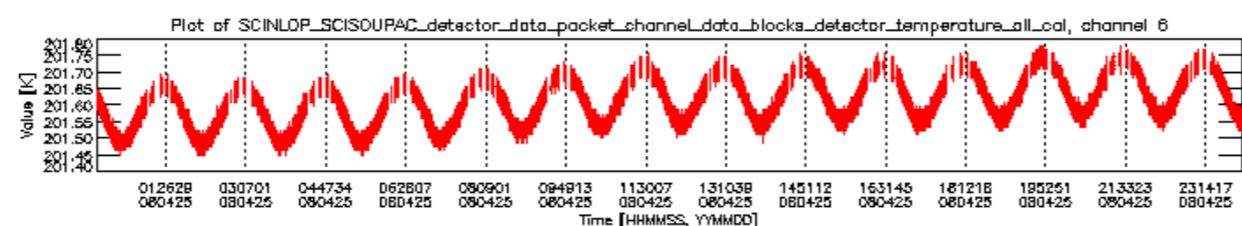
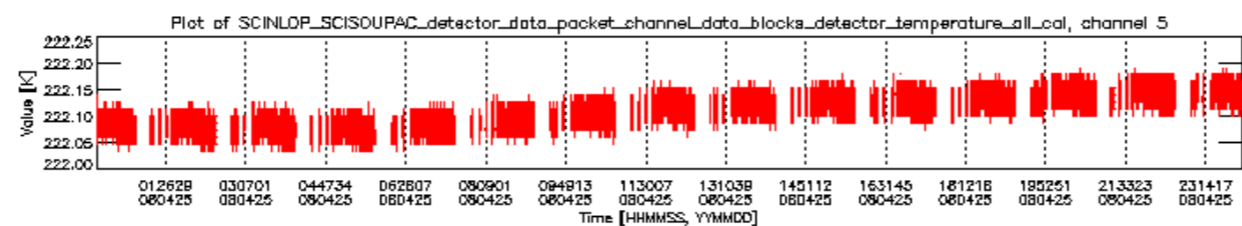
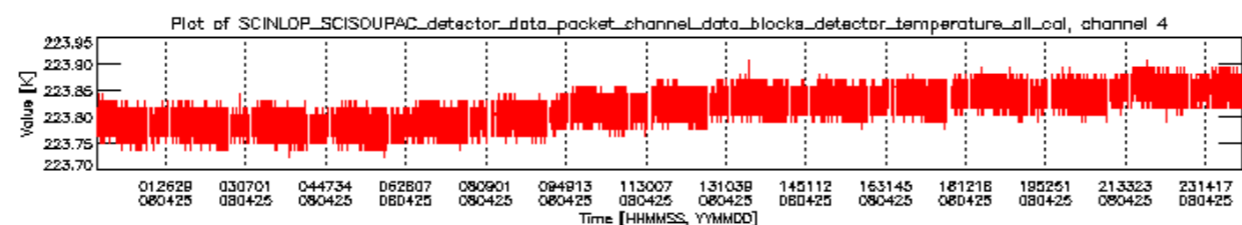
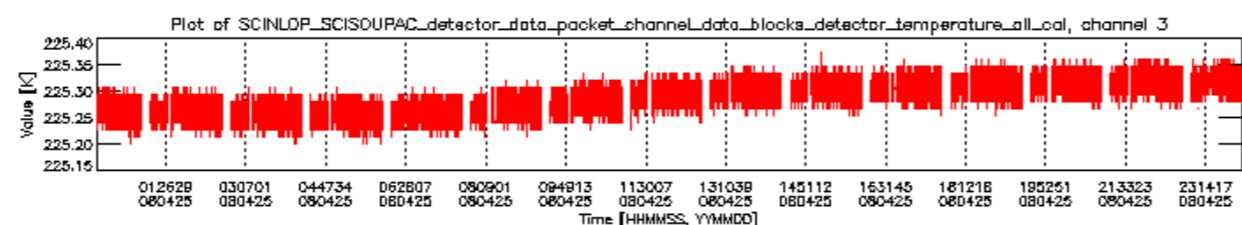
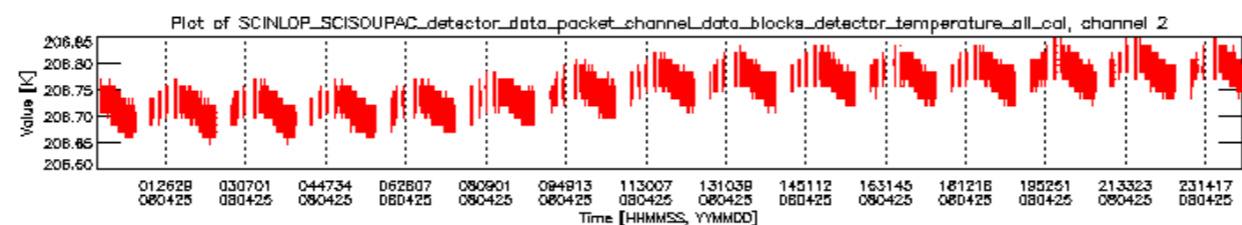
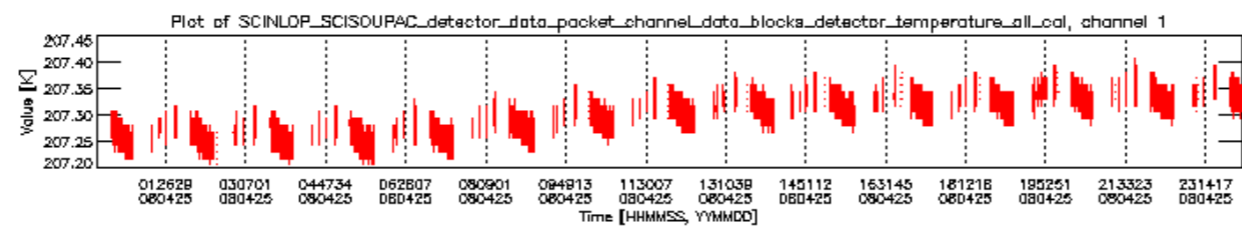
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080425_8.PNG

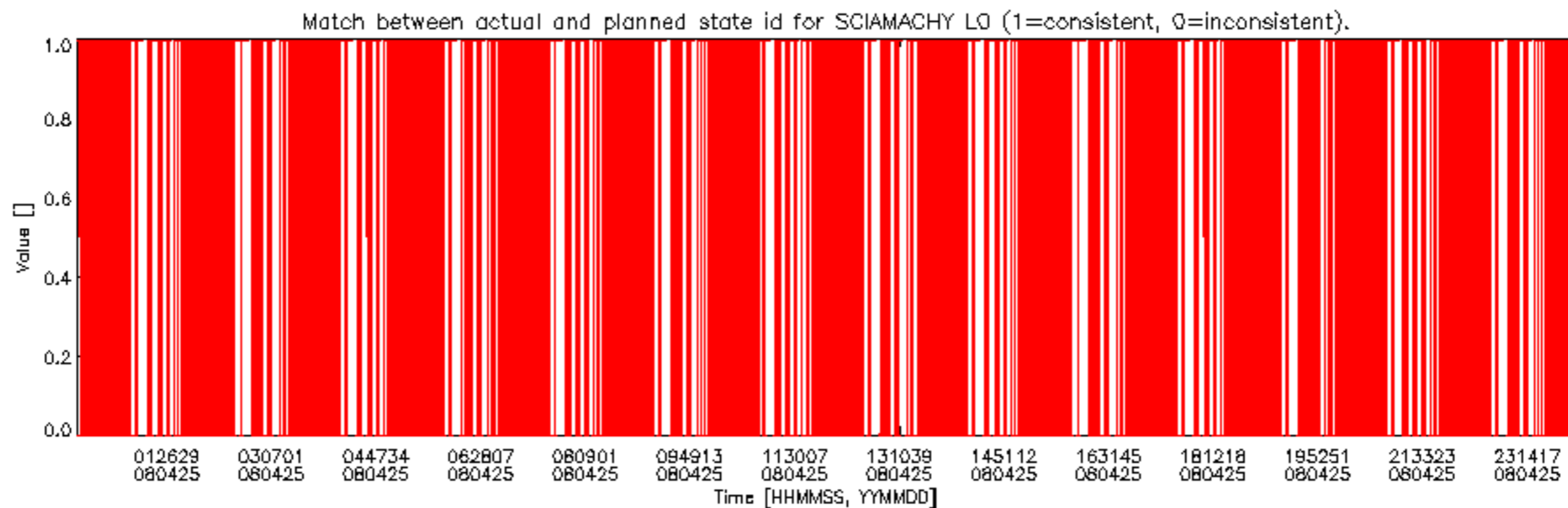
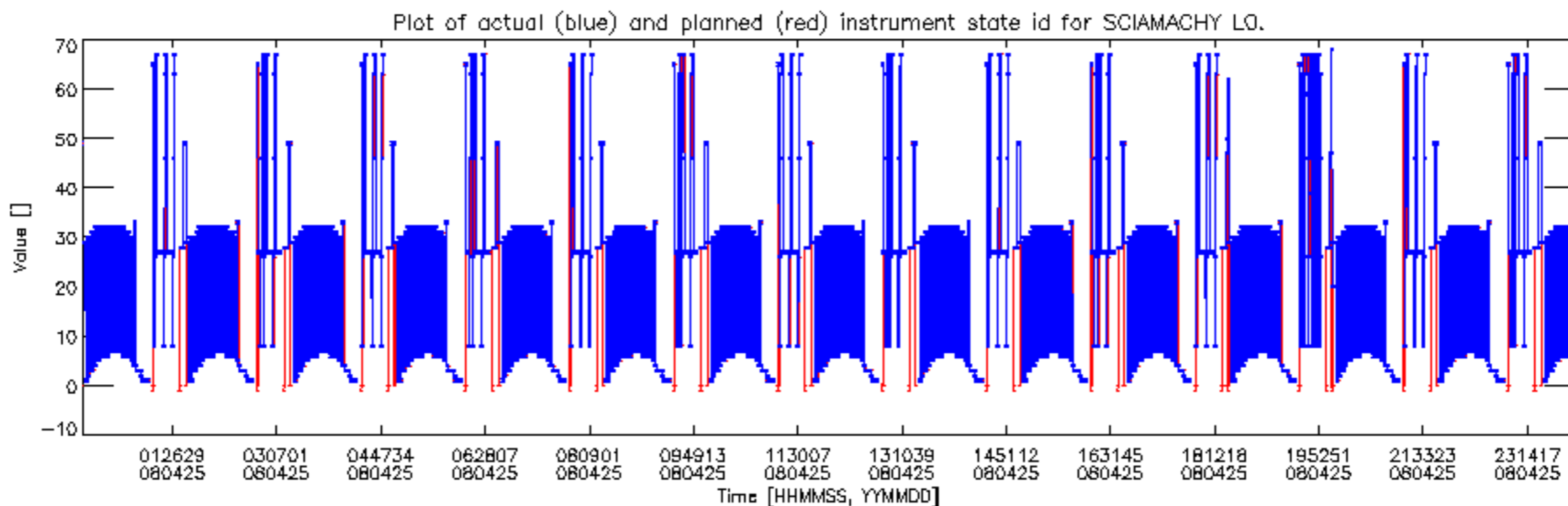












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