

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	28MAR2008 06:27:46
Data source version	KSPT_L0/4303-N
Processing scope for products	24MAR2008 00:00:00 to 25MAR2008 00:00:00
Start time of first product within scope	23MAR2008 22:28:56
Stop time of last product within scope	25MAR2008 01:28:33
Total number of level 0 products	16
Number of level 0 products with errors	6

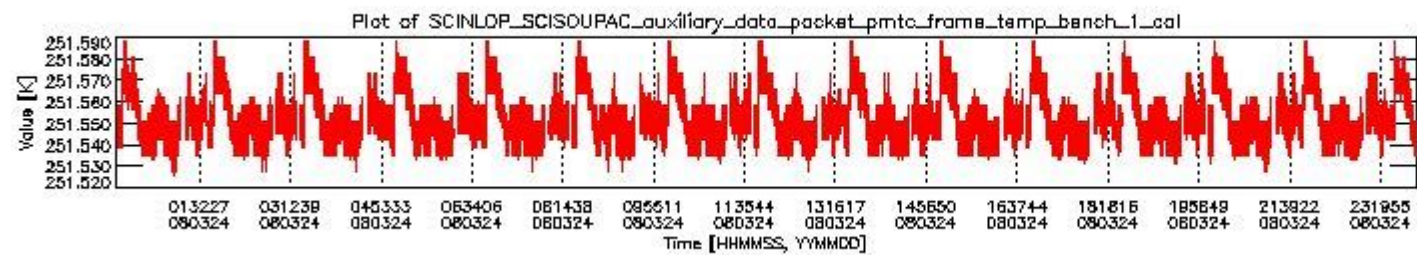
0.1.2 Summary per product

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

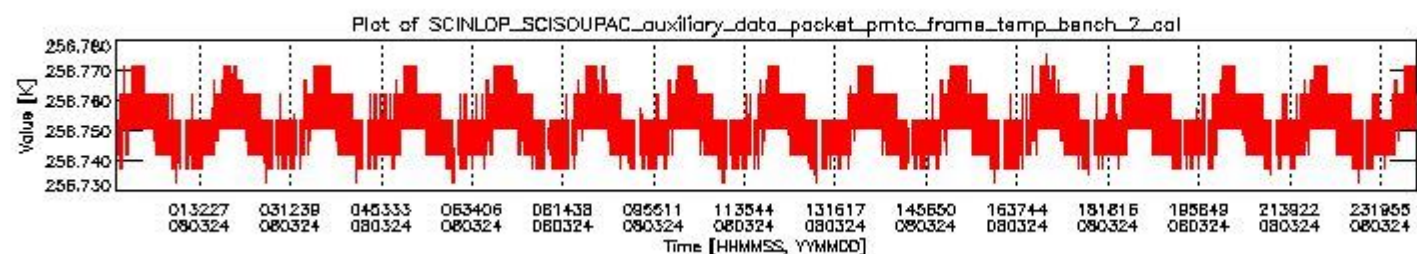
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080323_222856_000065892067_00087_31704_6299.N1	23MAR2008 22:28:56	24MAR2008 00:18:45	1	1	1	0	0
1	SCI_NL__OPNPDE20080324_001340_000063962067_00088_31705_6300.N1	24MAR2008 00:13:40	24MAR2008 02:00:16	1	0	1	0	0
2	SCI_NL__OPNPDE20080324_015512_000064092067_00089_31706_6301.N1	24MAR2008 01:55:12	24MAR2008 03:42:00	1	0	1	0	0
3	SCI_NL__OPNPDE20080324_033900_000063402067_00090_31707_6302.N1	24MAR2008 03:39:00	24MAR2008 05:24:40	1	0	1	0	0
4	SCI_NL__OPNPDK20080324_052127_000062292067_00091_31708_7744.N1	24MAR2008 05:21:27	24MAR2008 07:05:16	0	0	0	0	0
5	SCI_NL__OPNPDK20080324_070516_000059112067_00092_31709_7745.N1	24MAR2008 07:05:16	24MAR2008 08:43:47	0	0	0	0	0
6	SCI_NL__OPNPDK20080324_084238_000061042067_00093_31710_7746.N1	24MAR2008 08:42:38	24MAR2008 10:24:22	0	0	0	0	0
7	SCI_NL__OPNPDK20080324_102326_000060232067_00094_31711_7747.N1	24MAR2008 10:23:26	24MAR2008 12:03:49	0	0	0	0	0
8	SCI_NL__OPNPDK20080324_120253_000059802067_00095_31712_7748.N1	24MAR2008 12:02:53	24MAR2008 13:42:33	0	0	0	0	0
9	SCI_NL__OPNPDK20080324_134124_000058432067_00096_31713_7749.N1	24MAR2008 13:41:24	24MAR2008 15:18:47	0	0	0	0	0
10	SCI_NL__OPNPDK20080324_151751_000059802067_00097_31714_7750.N1	24MAR2008 15:17:51	24MAR2008 16:57:31	0	0	0	0	0
11	SCI_NL__OPNPDK20080324_165622_000059252067_00098_31715_7751.N1	24MAR2008 16:56:22	24MAR2008 18:35:08	0	0	0	0	0
12	SCI_NL__OPNPDK20080324_183508_000060012067_00099_31716_7752.N1	24MAR2008 18:35:08	24MAR2008 20:15:09	0	0	0	0	0
13	SCI_NL__OPNPDK20080324_201428_000061652067_00100_31717_7753.N1	24MAR2008 20:14:28	24MAR2008 21:57:13	0	0	0	0	0
14	SCI_NL__OPNPDE20080324_215617_000066452067_00101_31718_6303.N1	24MAR2008 21:56:17	24MAR2008 23:47:02	1	0	1	0	0
15	SCI_NL__OPNPDE20080324_234049_000064652067_00102_31719_6304.N1	24MAR2008 23:40:49	25MAR2008 01:28:33	1	0	1	0	0

0.2 Product Quality Indicators

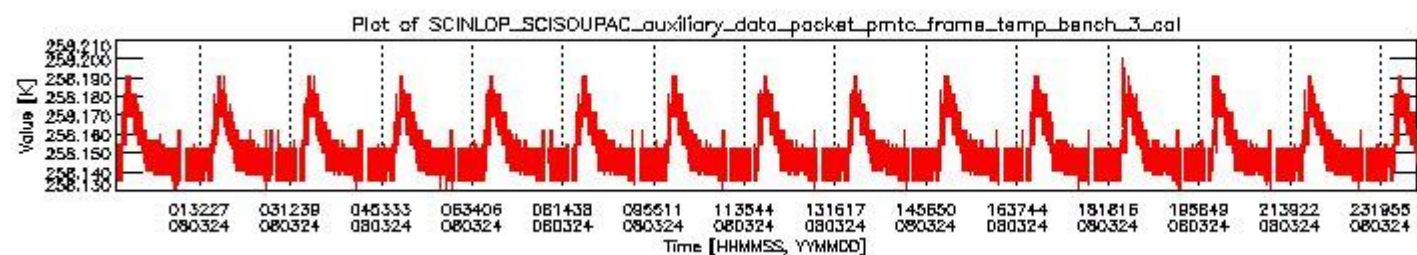
This section shows information about product quality, currently temperatures.



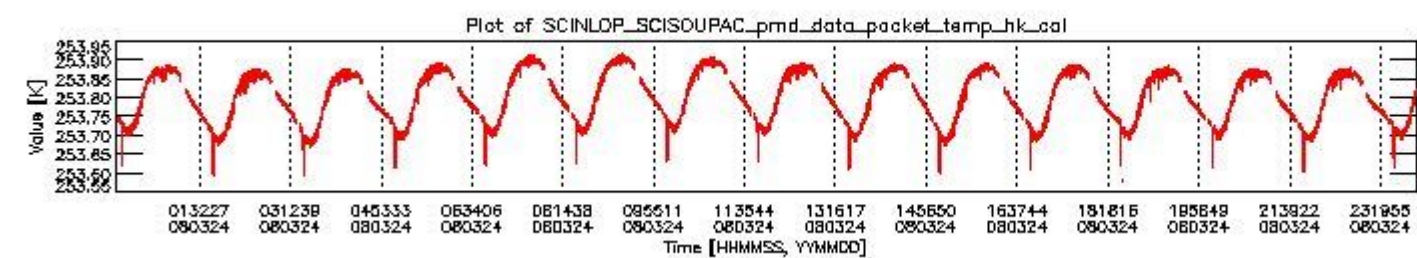
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080324_0.PNG



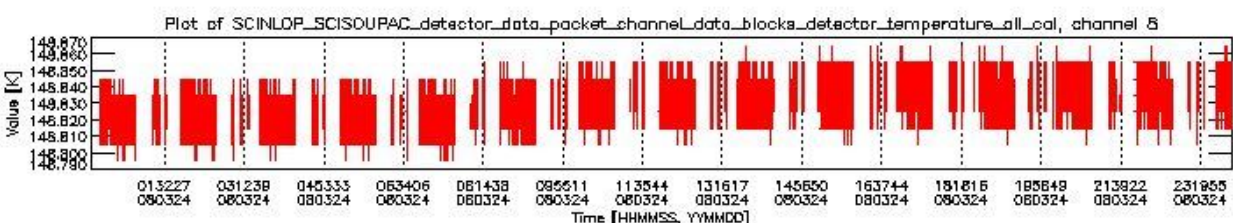
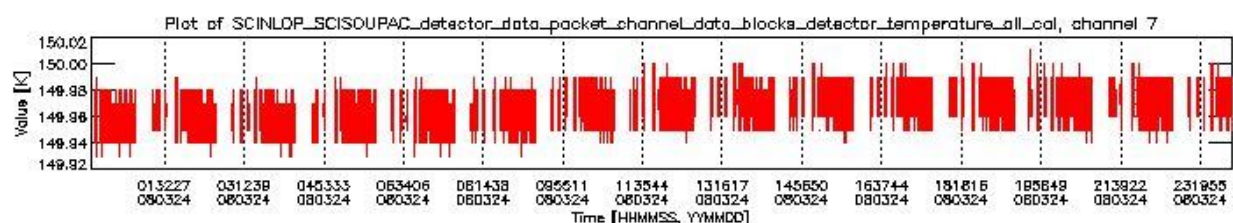
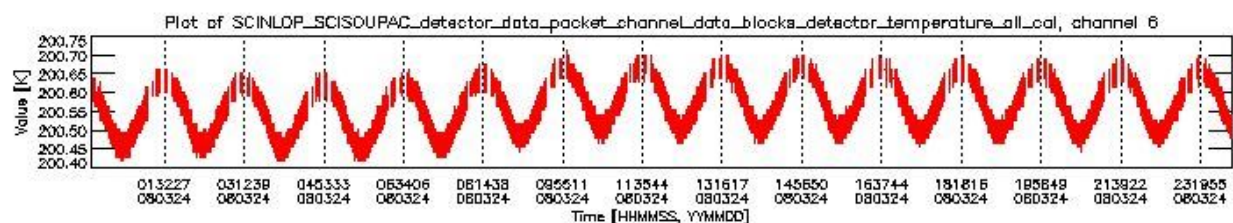
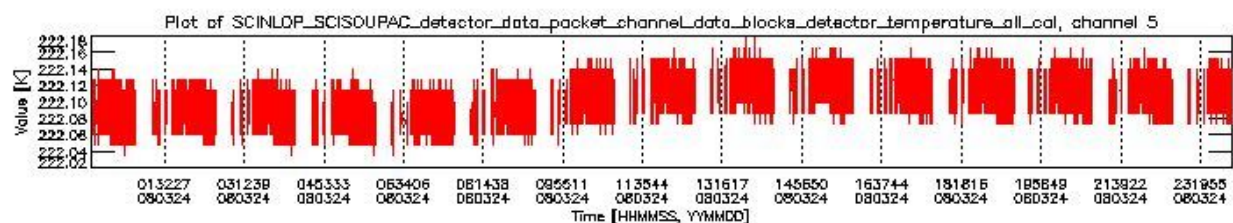
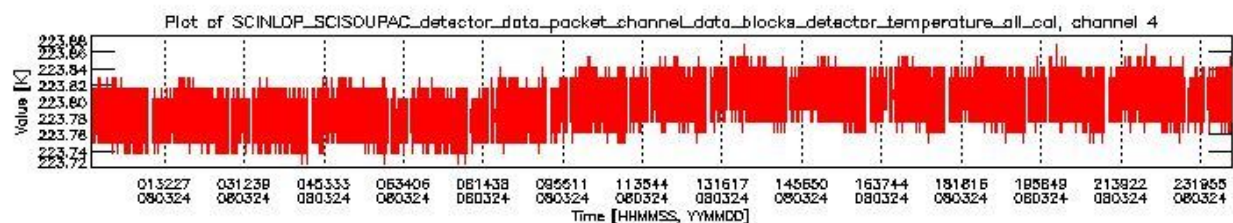
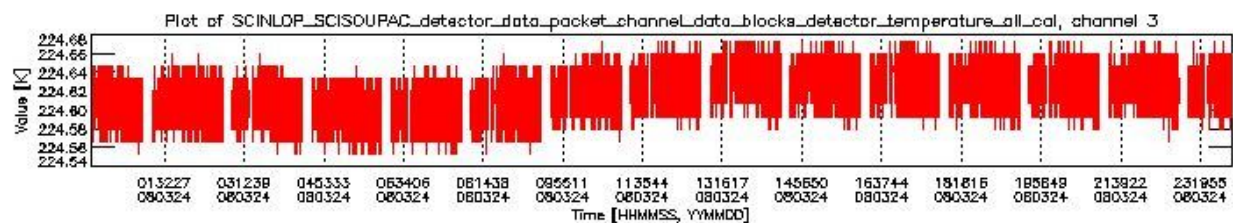
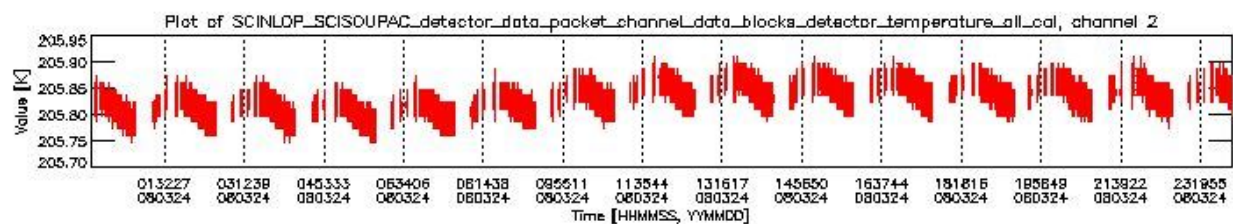
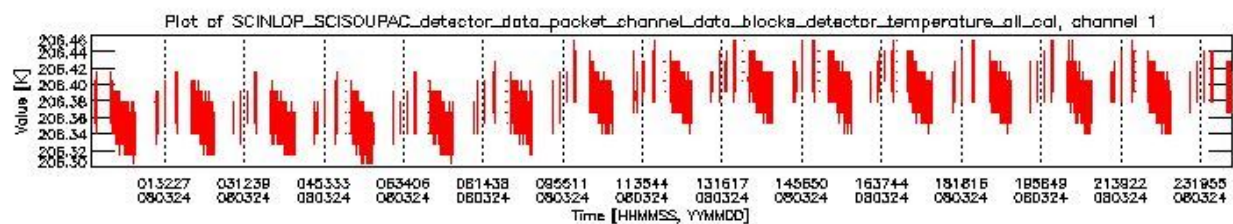
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080324_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080324_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080324_3.PNG

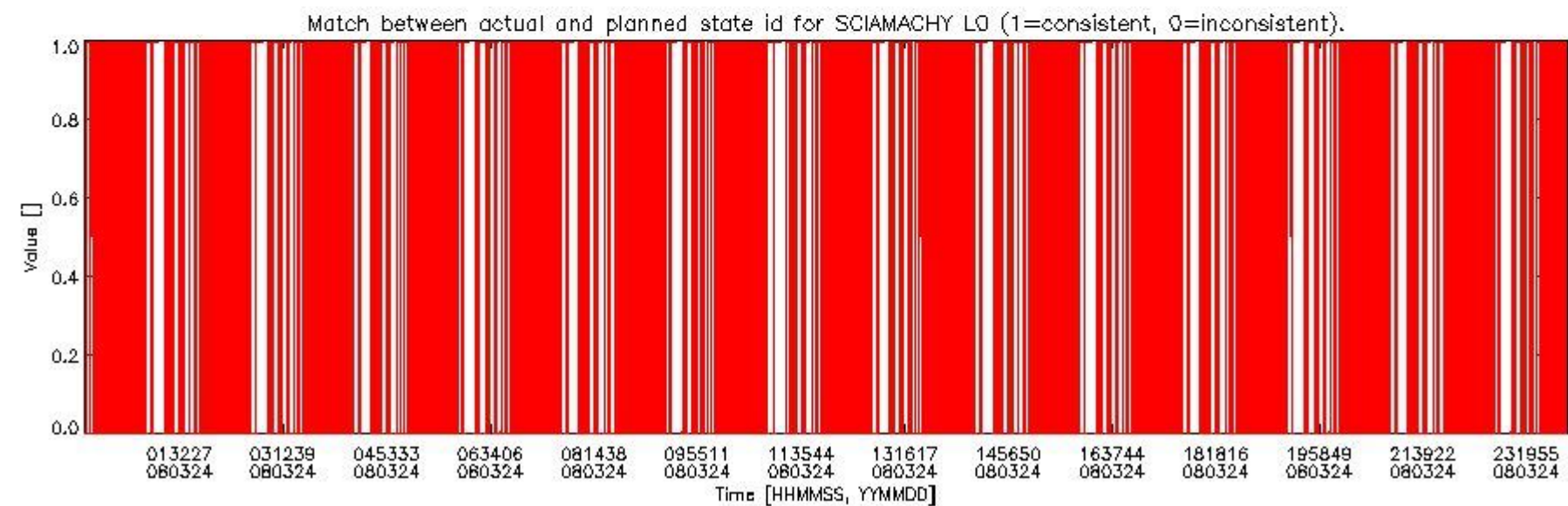
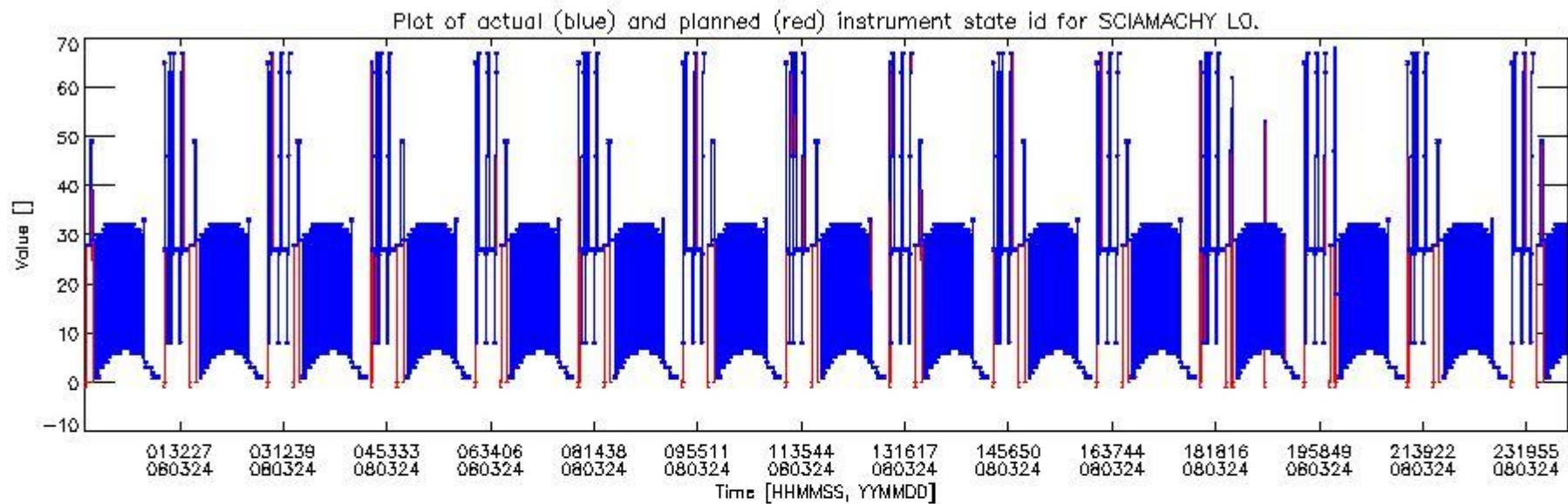


0.3 State monitoring

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: **32649**

#	Actual time	Actual value	Planned time	Planned value
0	24MAR2008 00:01:37.730792	28	24MAR2008 00:01:37.730792	0
1	24MAR2008 00:01:38.355813	28	24MAR2008 00:01:38.355813	0
2	24MAR2008 00:01:38.730786	28	24MAR2008 00:01:38.730786	0
3	24MAR2008 00:01:39.105799	28	24MAR2008 00:01:39.105799	0
4	24MAR2008 00:01:39.668299	28	24MAR2008 00:01:39.668299	0
5	24MAR2008 00:01:40.043312	28	24MAR2008 00:01:40.043312	0
6	24MAR2008 00:01:40.418285	28	24MAR2008 00:01:40.418285	0
7	24MAR2008 00:01:40.793298	28	24MAR2008 00:01:40.793298	0
8	24MAR2008 00:01:41.355797	28	24MAR2008 00:01:41.355797	0
9	24MAR2008 00:01:41.730810	28	24MAR2008 00:01:41.730810	0
10	24MAR2008 00:01:42.105823	28	24MAR2008 00:01:42.105823	0
11	24MAR2008 00:01:42.480796	28	24MAR2008 00:01:42.480796	0
12	24MAR2008 00:01:42.730805	28	24MAR2008 00:01:42.730805	0
13	24MAR2008 00:01:43.043295	28	24MAR2008 00:01:43.043295	0
14	24MAR2008 00:01:43.418308	28	24MAR2008 00:01:43.418308	0
15	24MAR2008 00:01:43.793322	28	24MAR2008 00:01:43.793322	0
16	24MAR2008 00:01:44.168294	28	24MAR2008 00:01:44.168294	0
17	24MAR2008 00:01:44.730794	28	24MAR2008 00:01:44.730794	0
18	24MAR2008 00:05:22.246452	49	24MAR2008 00:05:22.246452	28
19	24MAR2008 00:05:22.433938	49	24MAR2008 00:05:22.433938	28
...

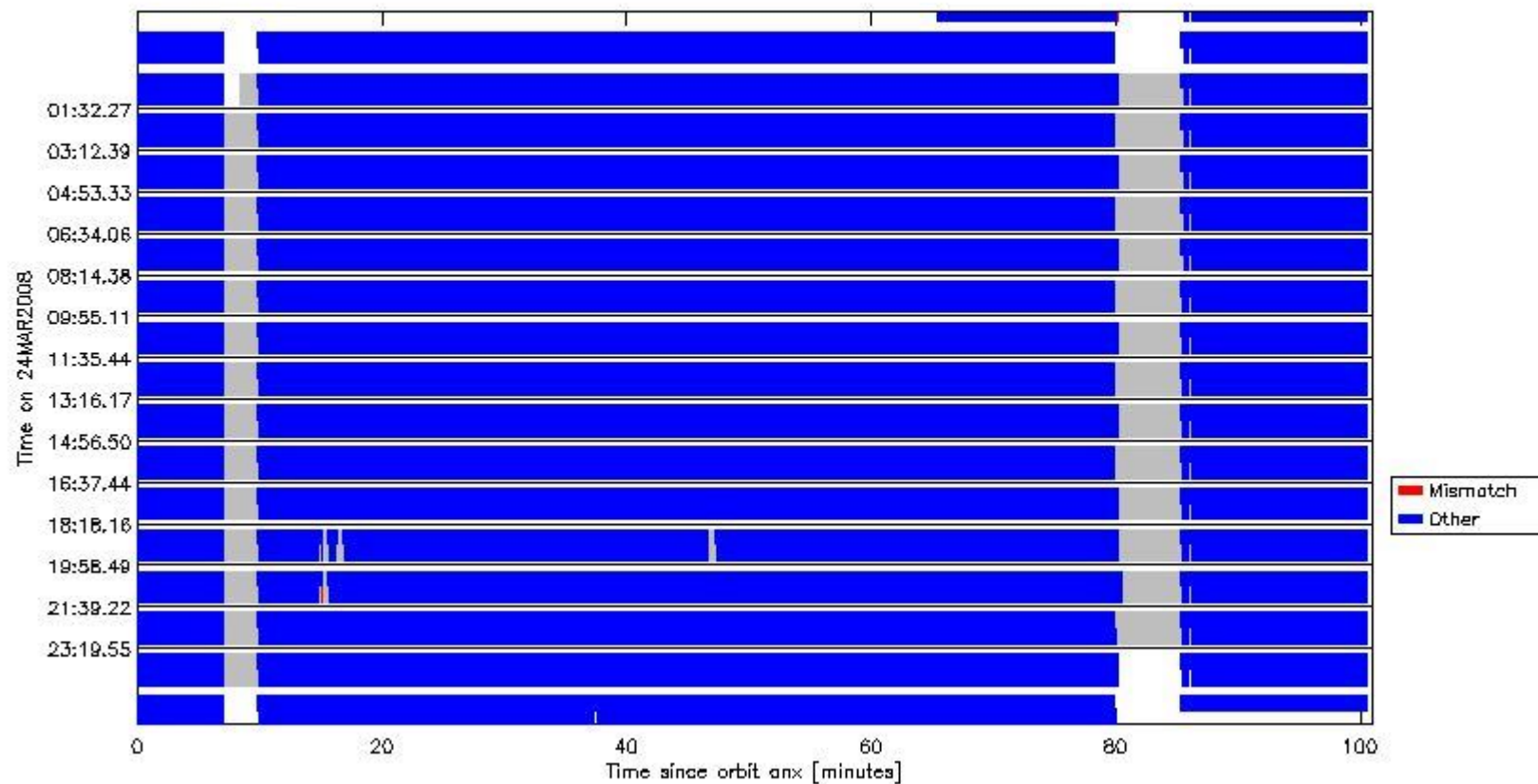


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080324_5.PNG

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 24MAR2008.
 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_20080324_6.PNG

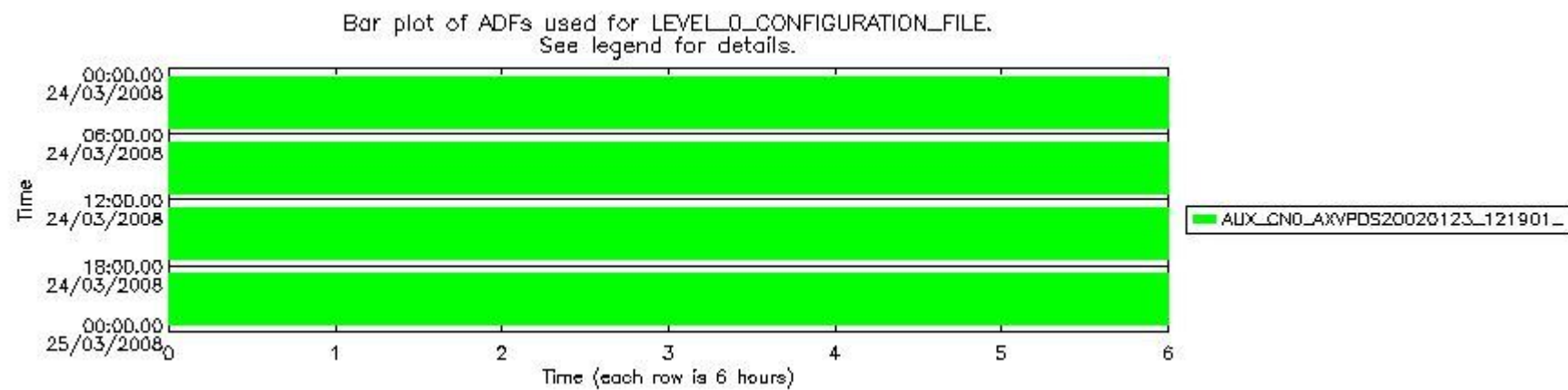
0.4 ADF monitoring

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

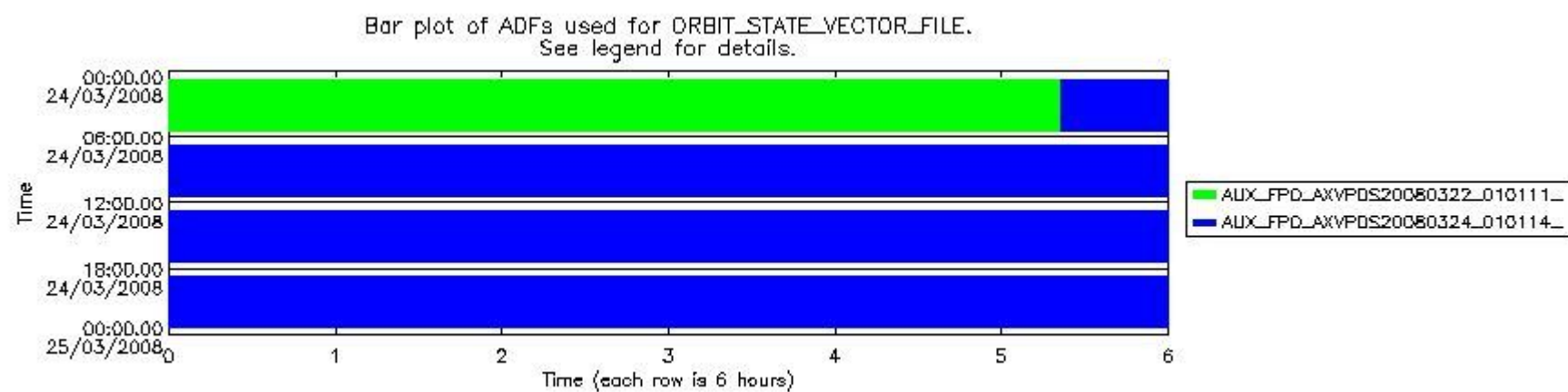
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

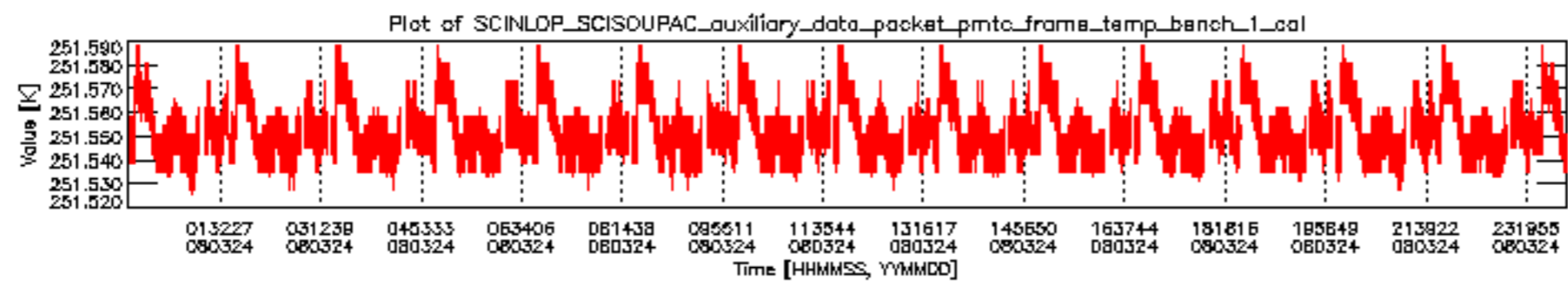
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080322_010111_20080321_195303_20080331_211916
2	AUX_FPO_AXVPDS20080324_010114_20080323_184949_20080402_201602

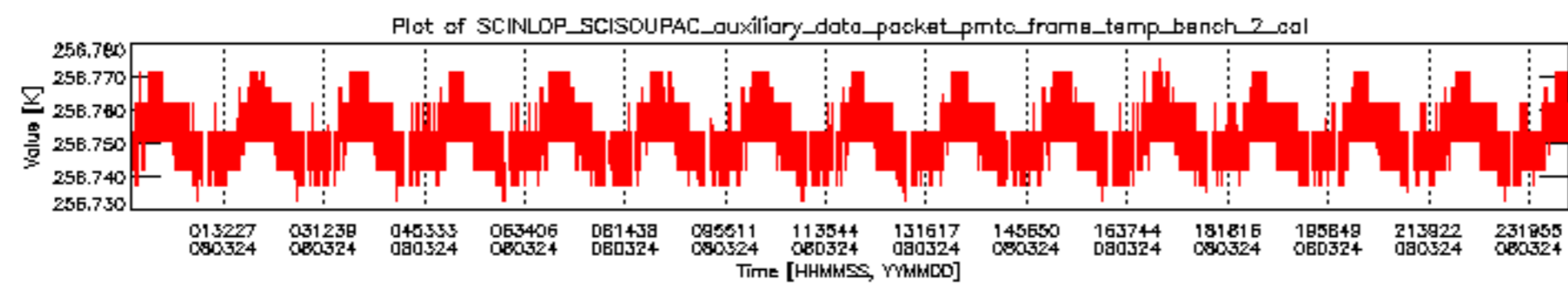


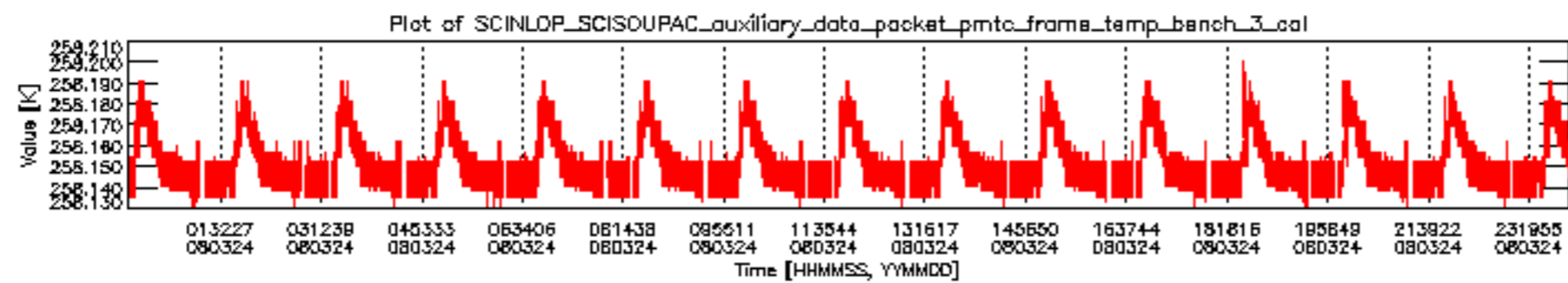
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080324_7.PNG

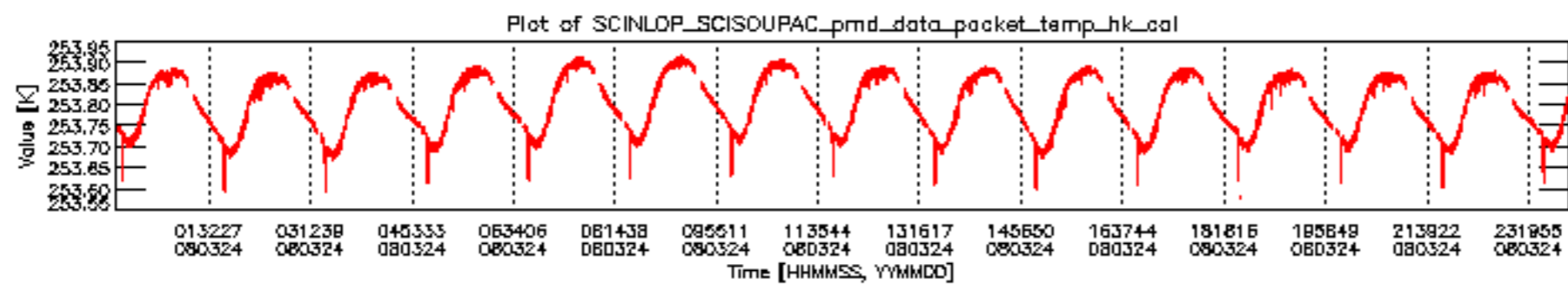


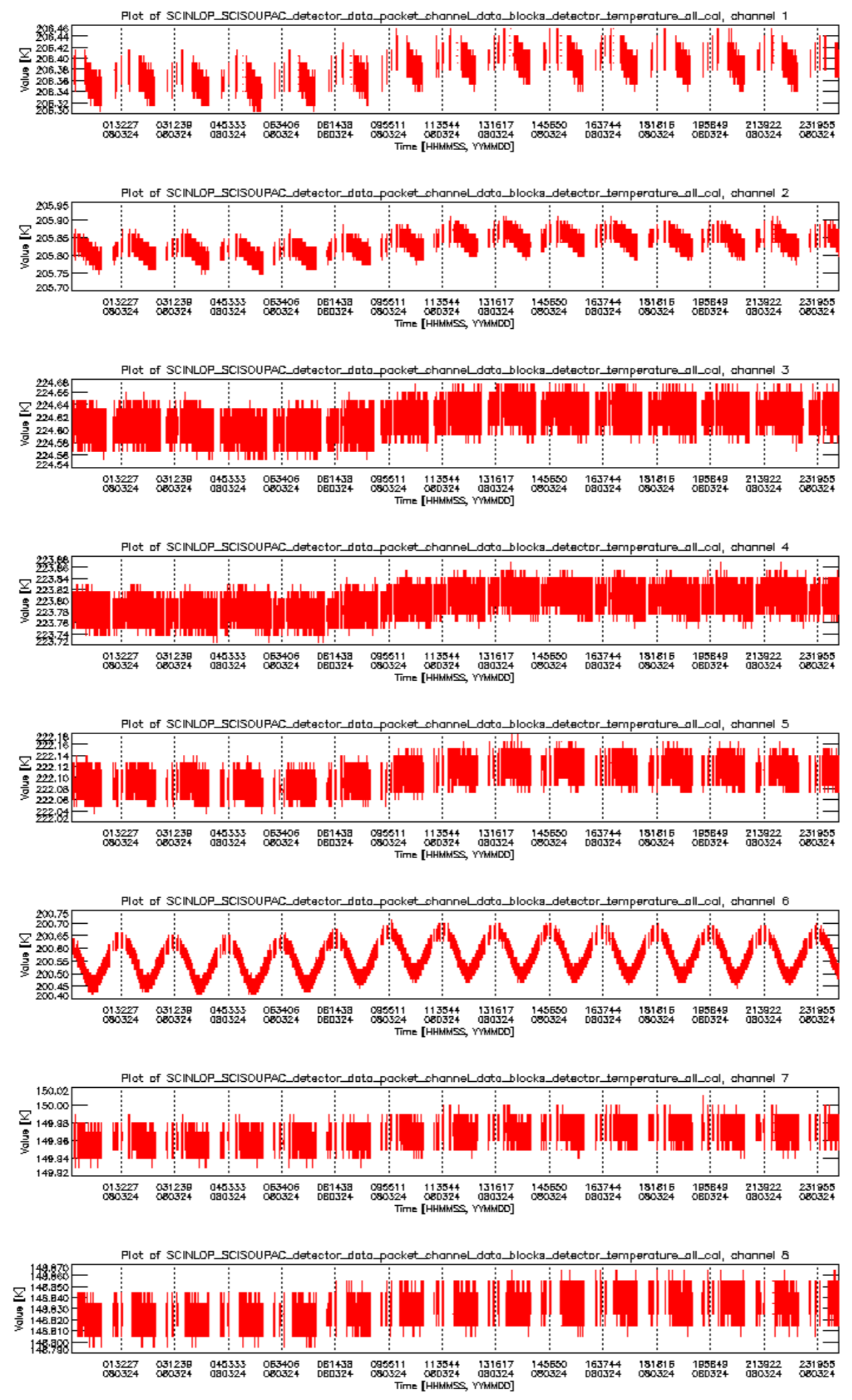
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080324_8.PNG

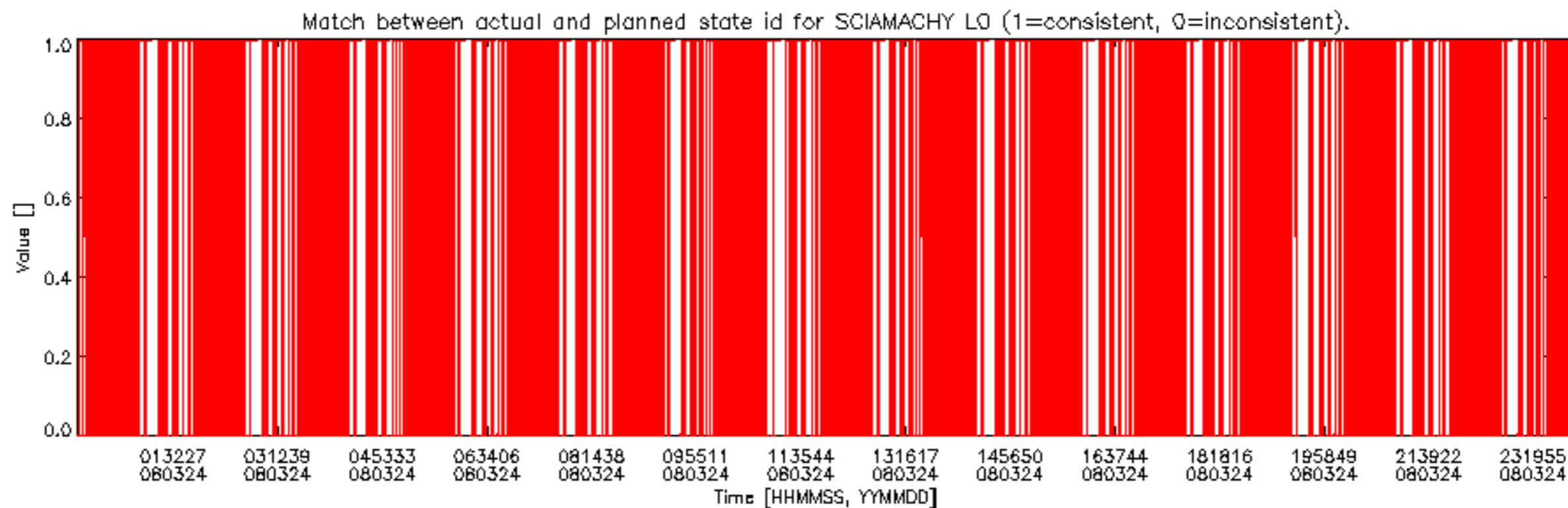
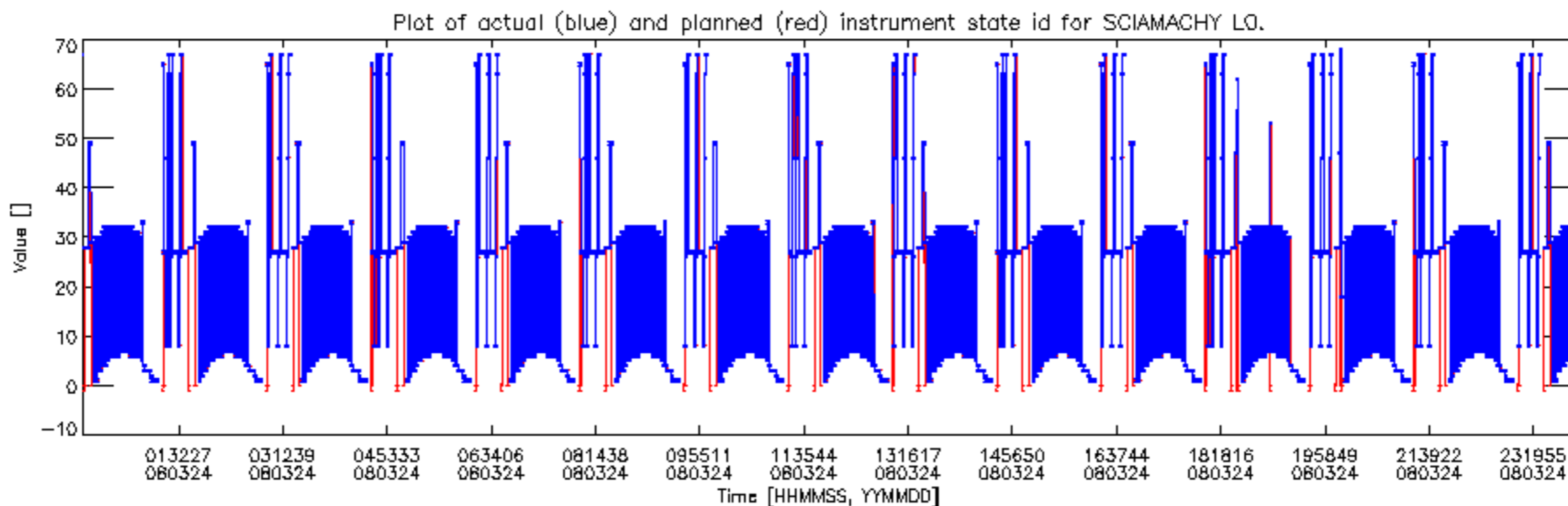












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