

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	16JAN2008 05:51:49
Data source version	KSPT_L0/4302-N
Processing scope for products	12JAN2008 00:00:00 to 13JAN2008 00:00:00
Start time of first product within scope	11JAN2008 23:07:08
Stop time of last product within scope	13JAN2008 00:09:06
Total number of level 0 products	16
Number of level 0 products with errors	0

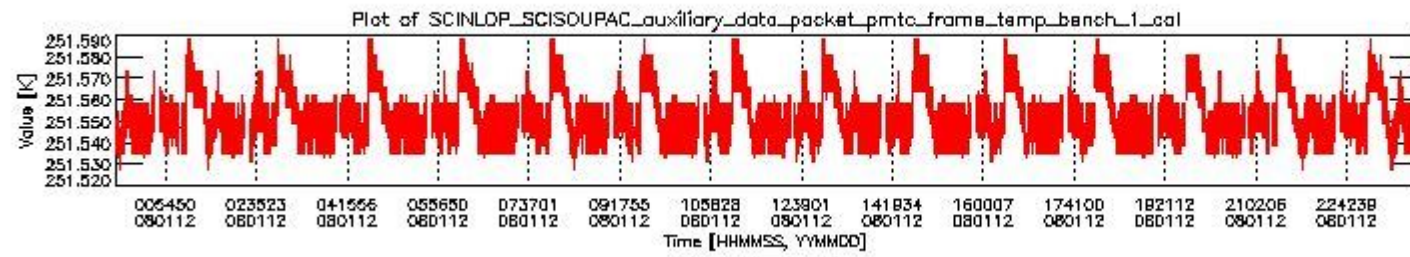
0.1.2 Summary per product

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

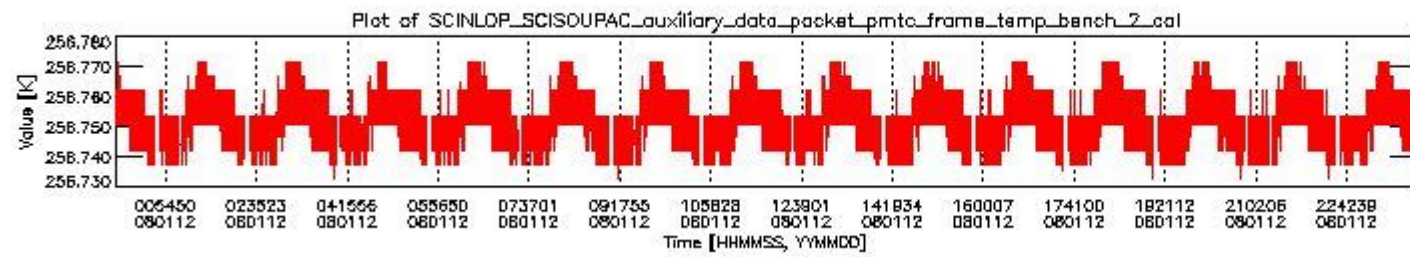
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080111_230708_000056192065_00058_30673_5922.N1	11JAN2008 23:07:08	12JAN2008 00:40:47	0	0	0	0	0
1	SCI_NL__OPNPDE20080112_004743_000054692065_00059_30674_6059.N1	12JAN2008 00:47:43	12JAN2008 02:18:53	0	0	0	0	0
2	SCI_NL__OPNPDE20080112_021853_000045602065_00060_30675_5923.N1	12JAN2008 02:18:53	12JAN2008 03:34:53	0	0	0	0	0
3	SCI_NL__OPNPDE20080112_033357_000062162065_00061_30676_5924.N1	12JAN2008 03:33:57	12JAN2008 05:17:33	0	0	0	0	0
4	SCI_NL__OPNPDE20080112_051624_000061042065_00062_30677_5925.N1	12JAN2008 05:16:24	12JAN2008 06:58:09	0	0	0	0	0
5	SCI_NL__OPNPDK20080112_065713_000040322065_00063_30678_7106.N1	12JAN2008 06:57:13	12JAN2008 08:04:25	0	0	0	0	0
6	SCI_NL__OPNPDK20080112_080425_000062292065_00064_30679_7107.N1	12JAN2008 08:04:25	12JAN2008 09:48:14	0	0	0	0	0
7	SCI_NL__OPNPDK20080112_094718_000058432065_00065_30680_7108.N1	12JAN2008 09:47:18	12JAN2008 11:24:40	0	0	0	0	0
8	SCI_NL__OPNPDK20080112_112249_000060922065_00066_30681_7109.N1	12JAN2008 11:22:49	12JAN2008 13:04:20	0	0	0	0	0
9	SCI_NL__OPNPDK20080112_130324_000060362065_00067_30682_7110.N1	12JAN2008 13:03:24	12JAN2008 14:44:00	0	0	0	0	0
10	SCI_NL__OPNPDK20080112_144046_000060362065_00068_30683_7111.N1	12JAN2008 14:40:46	12JAN2008 16:21:22	0	0	0	0	0
11	SCI_NL__OPNPDK20080112_162025_000059242065_00069_30684_7112.N1	12JAN2008 16:20:25	12JAN2008 17:59:09	0	0	0	0	0
12	SCI_NL__OPNPDK20080112_175813_000060362065_00070_30685_7113.N1	12JAN2008 17:58:13	12JAN2008 19:38:49	0	0	0	0	0
13	SCI_NL__OPNPDE20080112_193849_000040362065_00071_30686_5926.N1	12JAN2008 19:38:49	12JAN2008 20:46:05	0	0	0	0	0
14	SCI_NL__OPNPDE20080112_204456_000062012065_00071_30686_5927.N1	12JAN2008 20:44:56	12JAN2008 22:28:18	0	0	0	0	0
15	SCI_NL__OPNPDE20080112_223528_000056182065_00072_30687_5928.N1	12JAN2008 22:35:28	13JAN2008 00:09:06	0	0	0	0	0

0.2 Product Quality Indicators

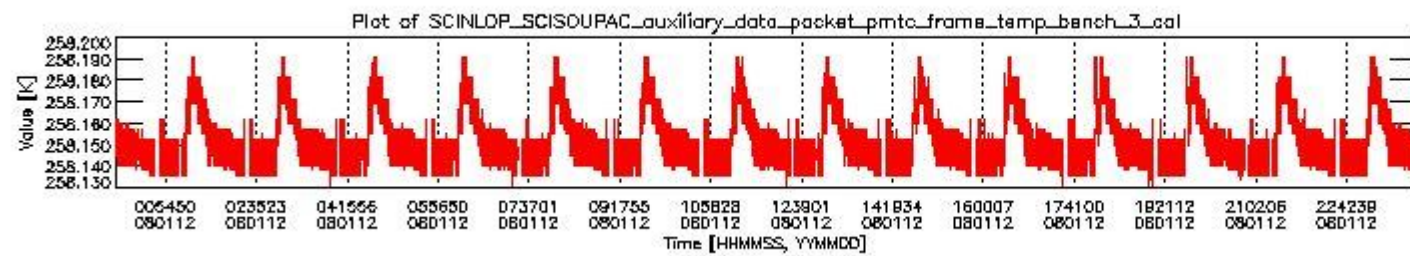
This section shows information about product quality, currently temperatures.



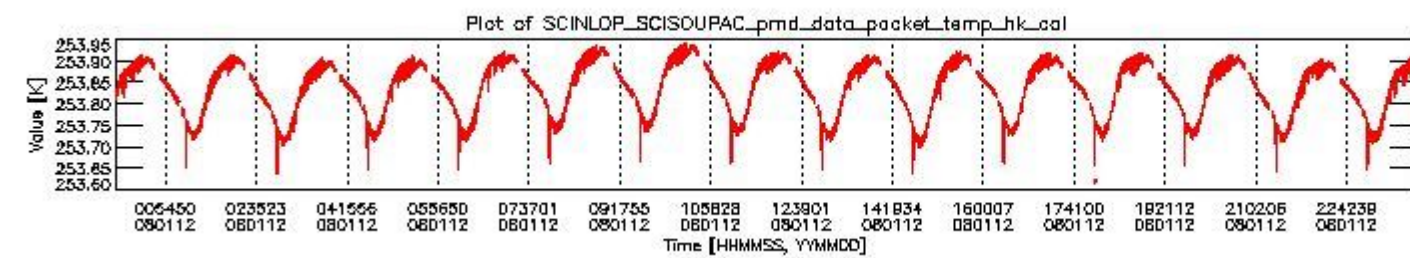
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080112_0.PNG



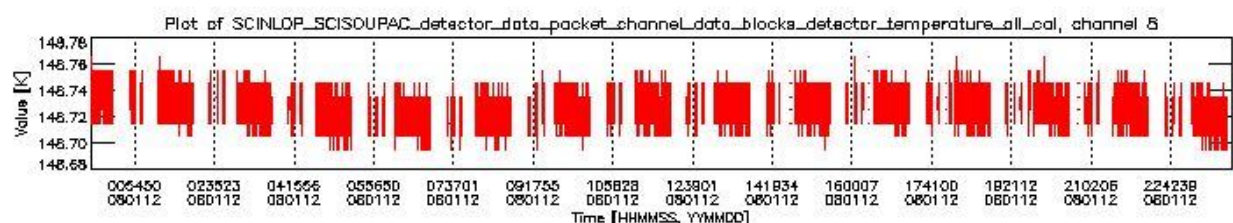
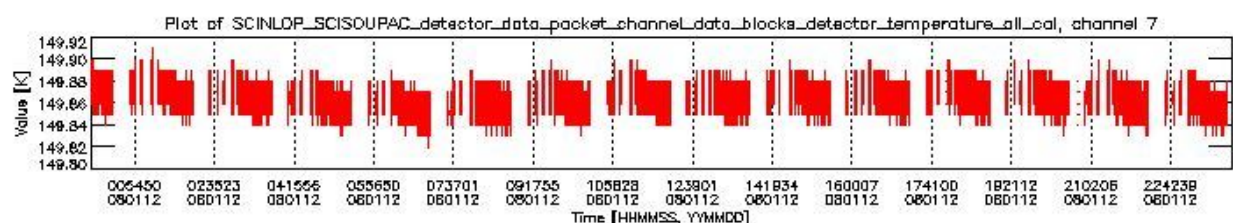
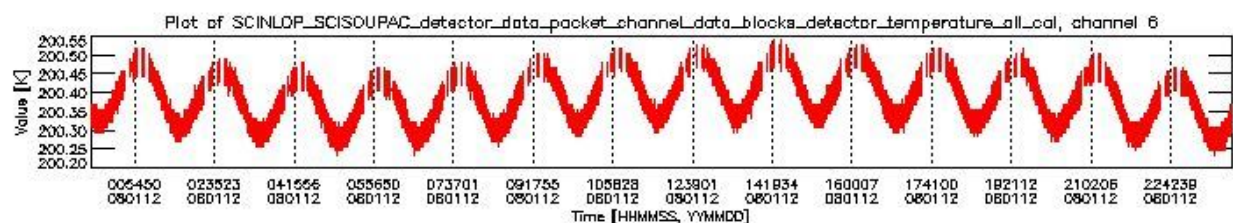
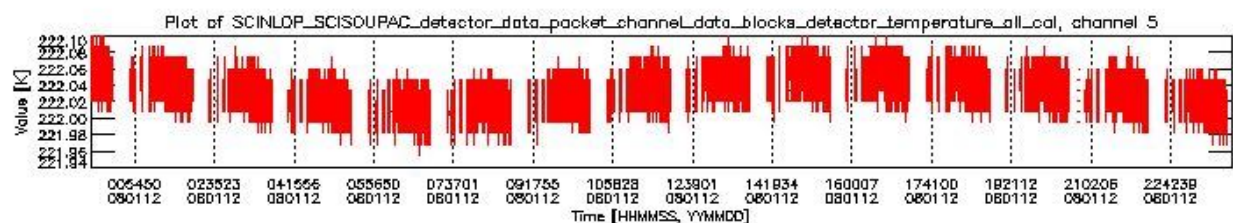
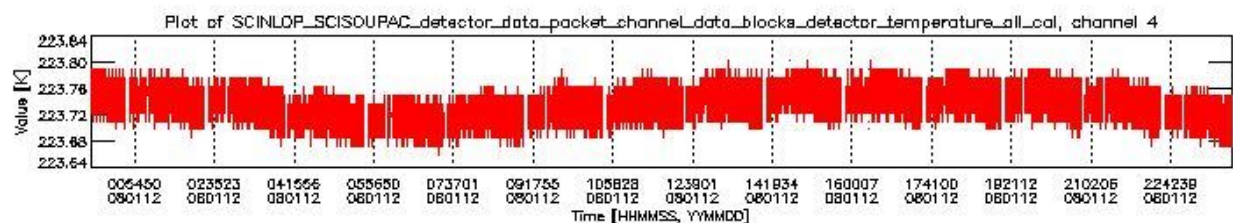
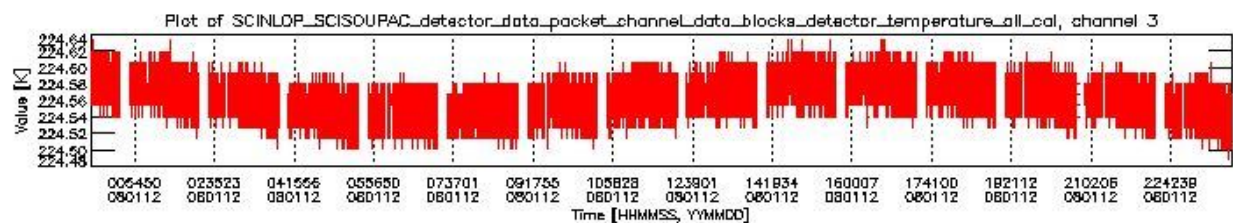
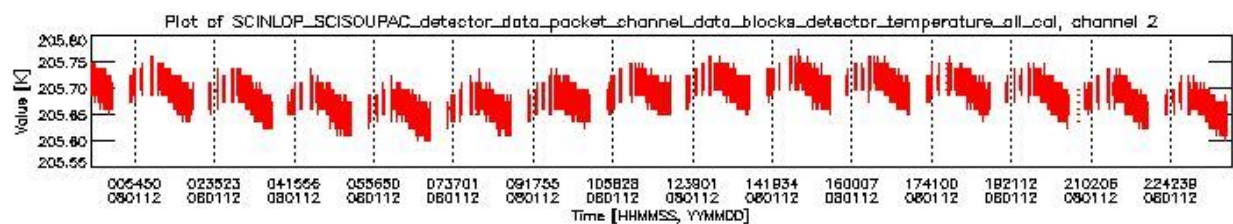
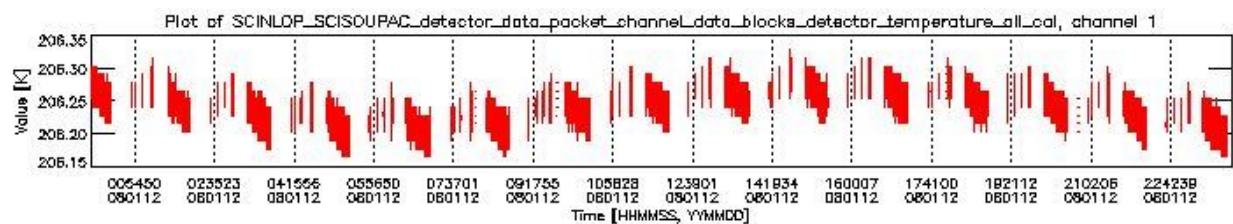
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sciamachy_daily_report_level0_KSPT_L0_4302_N_20080112_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20080112_3.PNG

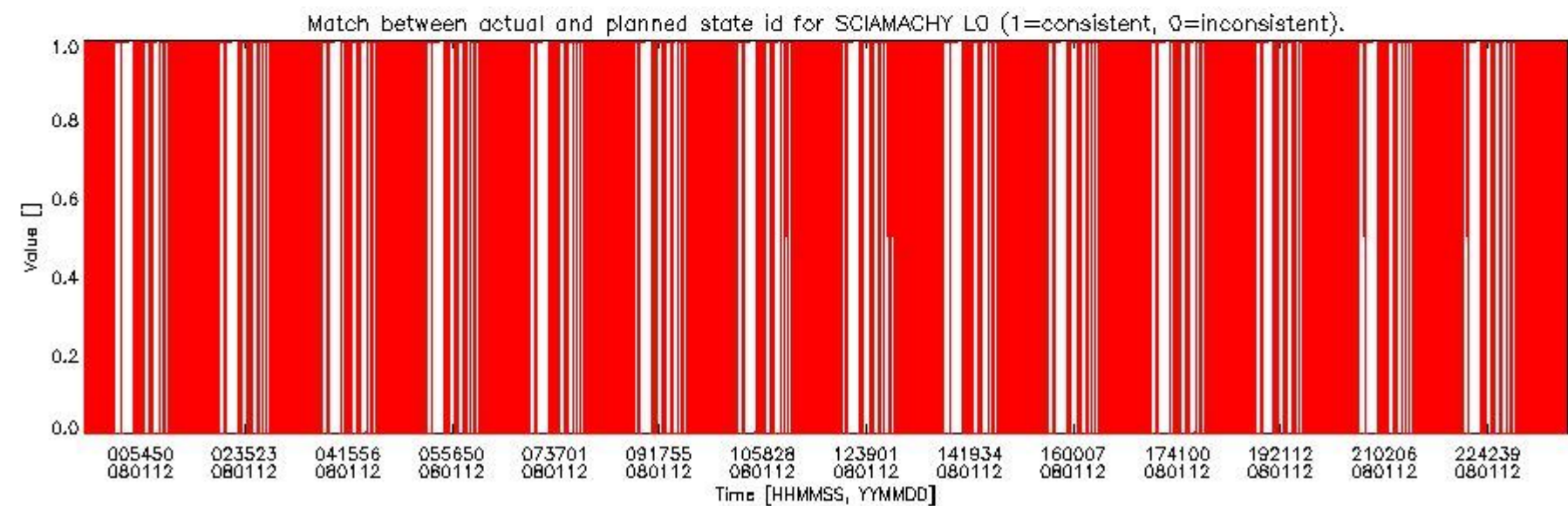
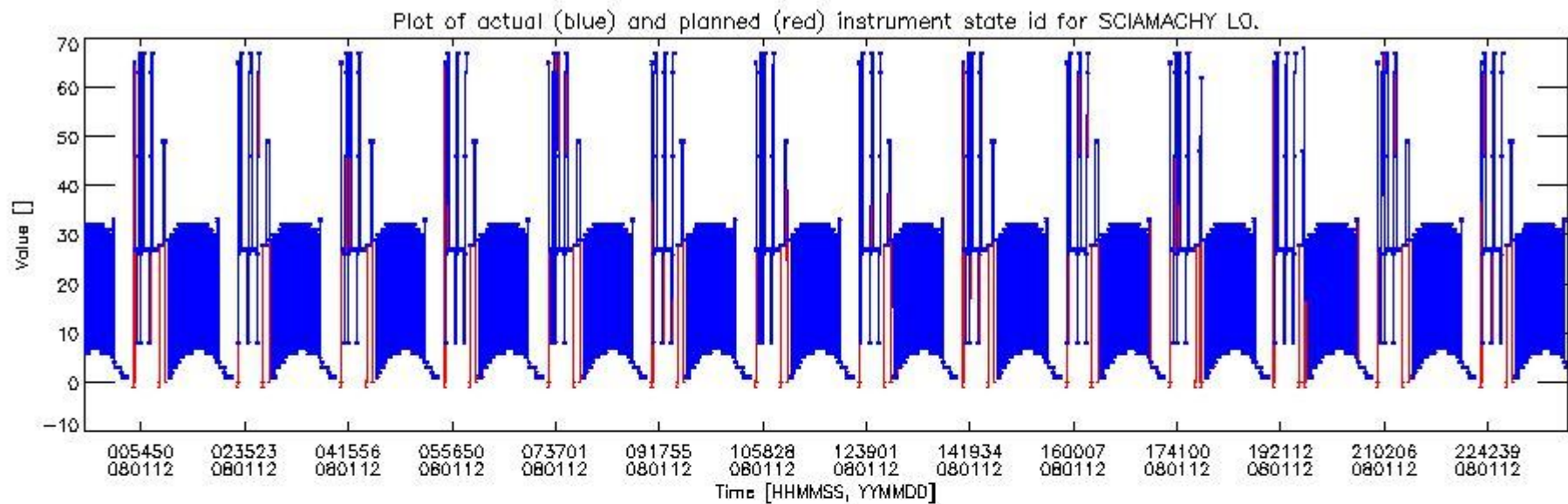


0.3 State monitoring

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: **37867**

#	Actual time	Actual value	Planned time	Planned value
0	12JAN2008 00:00:19.649702	32	12JAN2008 00:00:19.649702	6
1	12JAN2008 00:00:20.274684	32	12JAN2008 00:00:20.274684	6
2	12JAN2008 00:00:20.649697	32	12JAN2008 00:00:20.649697	6
3	12JAN2008 00:00:21.024710	32	12JAN2008 00:00:21.024710	6
4	12JAN2008 00:00:21.587209	32	12JAN2008 00:00:21.587209	6
5	12JAN2008 00:00:21.962182	32	12JAN2008 00:00:21.962182	6
6	12JAN2008 00:00:22.337195	32	12JAN2008 00:00:22.337195	6
7	12JAN2008 00:00:22.712208	32	12JAN2008 00:00:22.712208	6
8	12JAN2008 00:00:23.274708	32	12JAN2008 00:00:23.274708	6
9	12JAN2008 00:00:23.649681	32	12JAN2008 00:00:23.649681	6
10	12JAN2008 00:00:24.024694	32	12JAN2008 00:00:24.024694	6
11	12JAN2008 00:00:24.399707	32	12JAN2008 00:00:24.399707	6
12	12JAN2008 00:00:24.649715	32	12JAN2008 00:00:24.649715	6
13	12JAN2008 00:00:24.962206	32	12JAN2008 00:00:24.962206	6
14	12JAN2008 00:00:25.337179	32	12JAN2008 00:00:25.337179	6
15	12JAN2008 00:00:25.712192	32	12JAN2008 00:00:25.712192	6
16	12JAN2008 00:00:26.087205	32	12JAN2008 00:00:26.087205	6
17	12JAN2008 00:00:26.649705	32	12JAN2008 00:00:26.649705	6
18	12JAN2008 00:00:27.024677	32	12JAN2008 00:00:27.024677	6
19	12JAN2008 00:00:27.399690	32	12JAN2008 00:00:27.399690	6

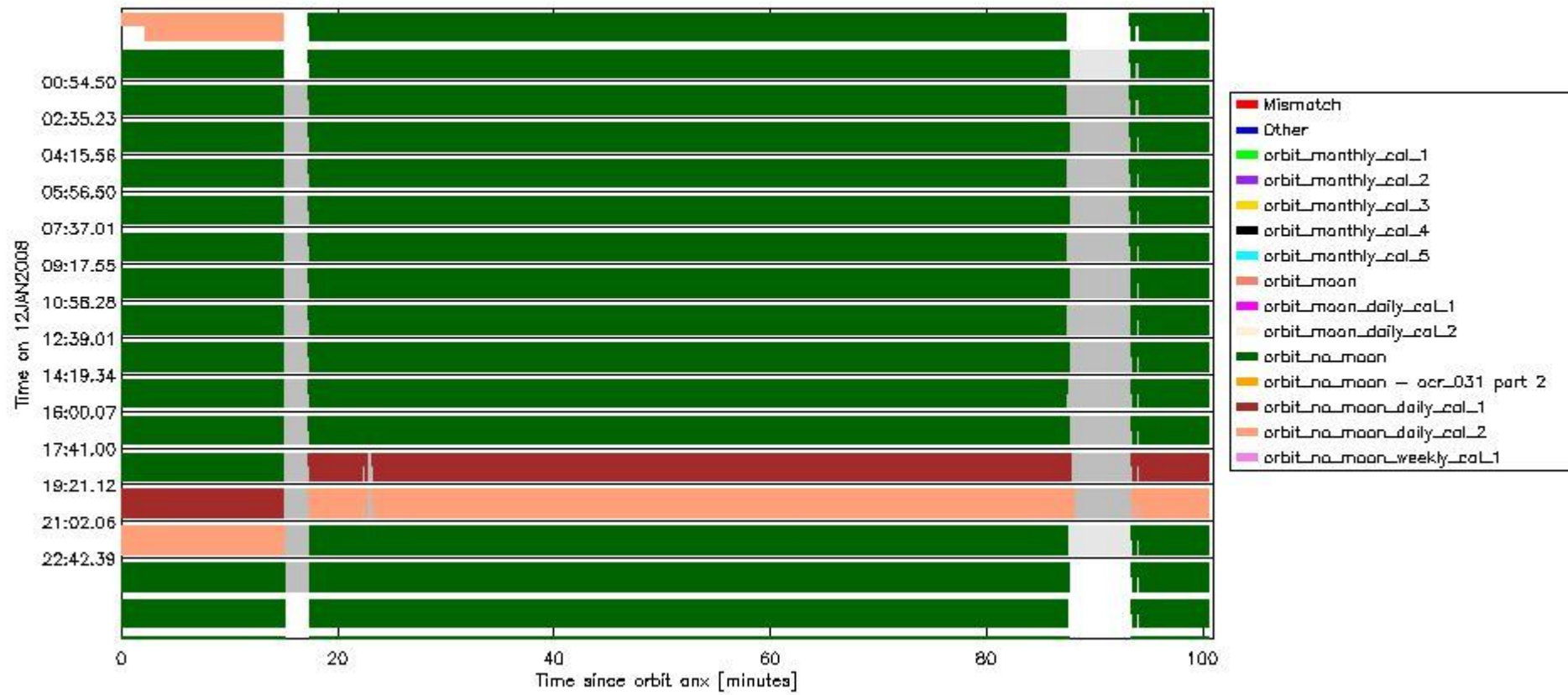


sciamachy_daily_report_level0_KSPT_L0_4302_N_20080112_5.PNG

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 12JAN2008.
 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_4302_N_20080112_6.PNG

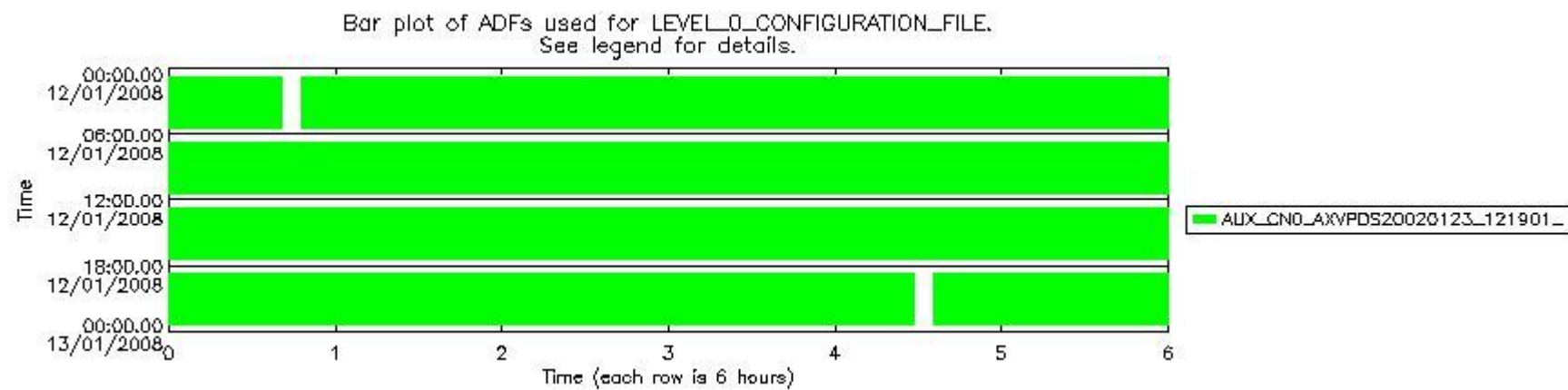
0.4 ADF monitoring

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

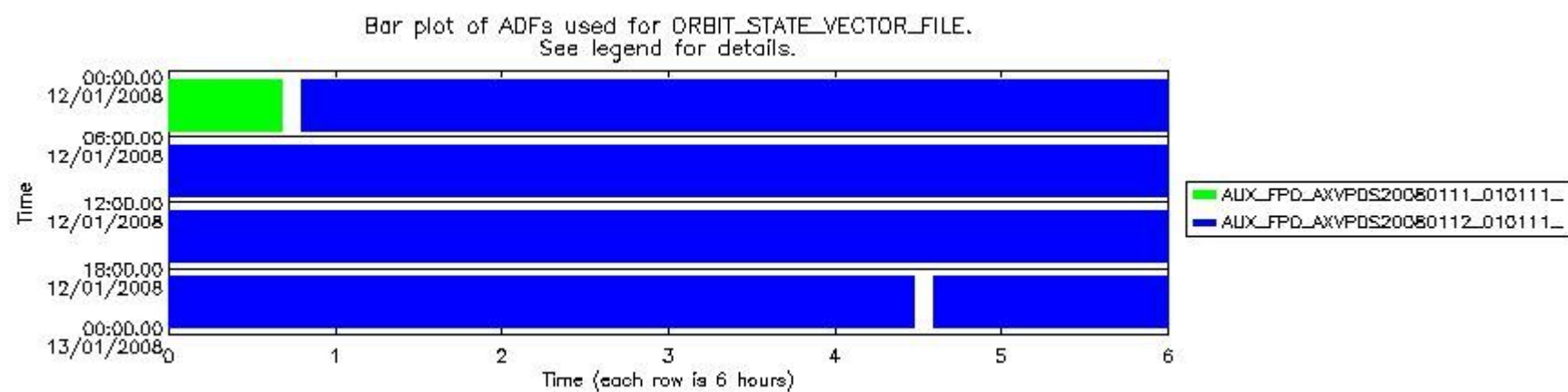
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

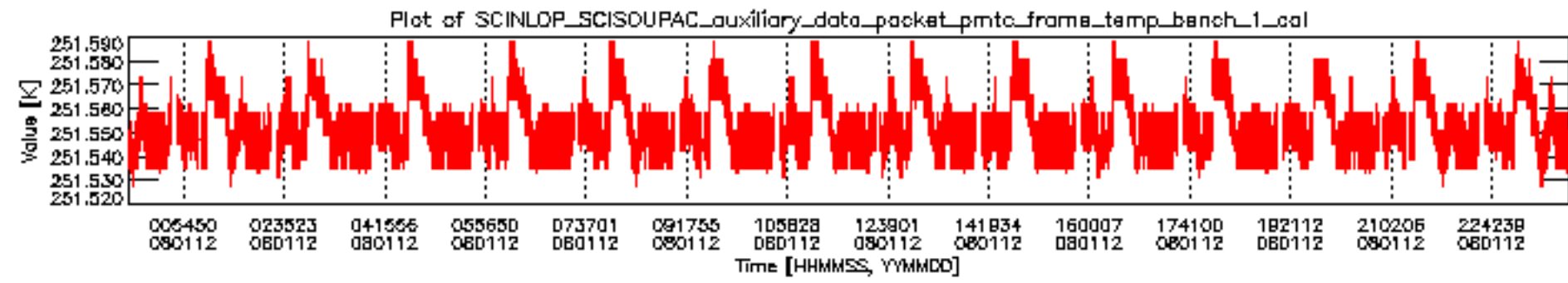
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080111_010111_20080110_184404_20080120_201017
2	AUX_FPO_AXVPDS20080112_010111_20080111_195302_20080121_211916

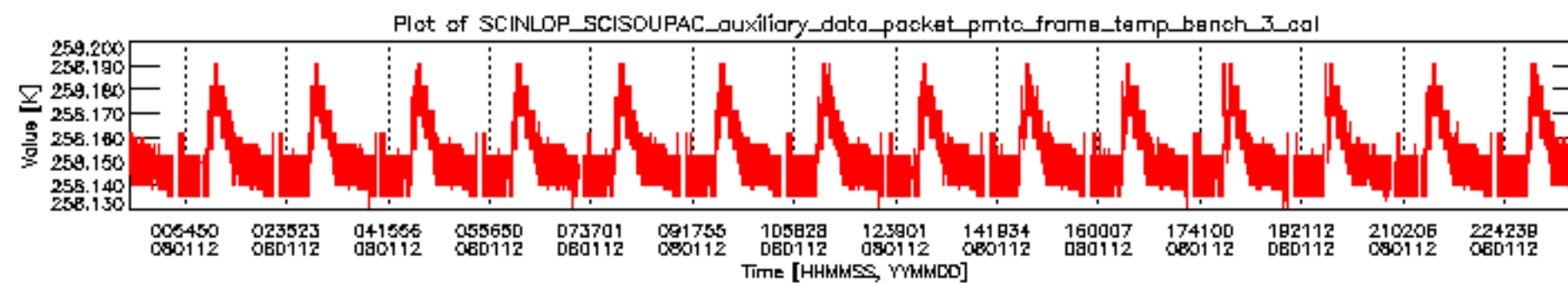


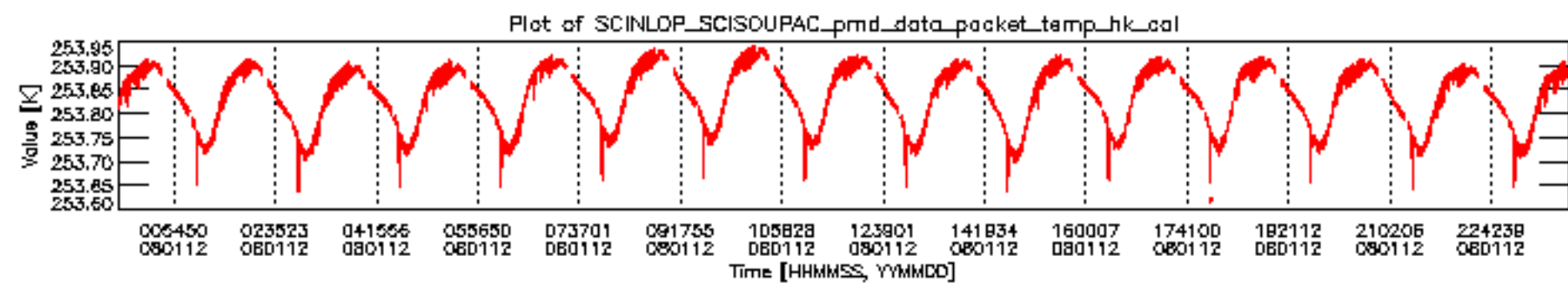
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080112_7.PNG

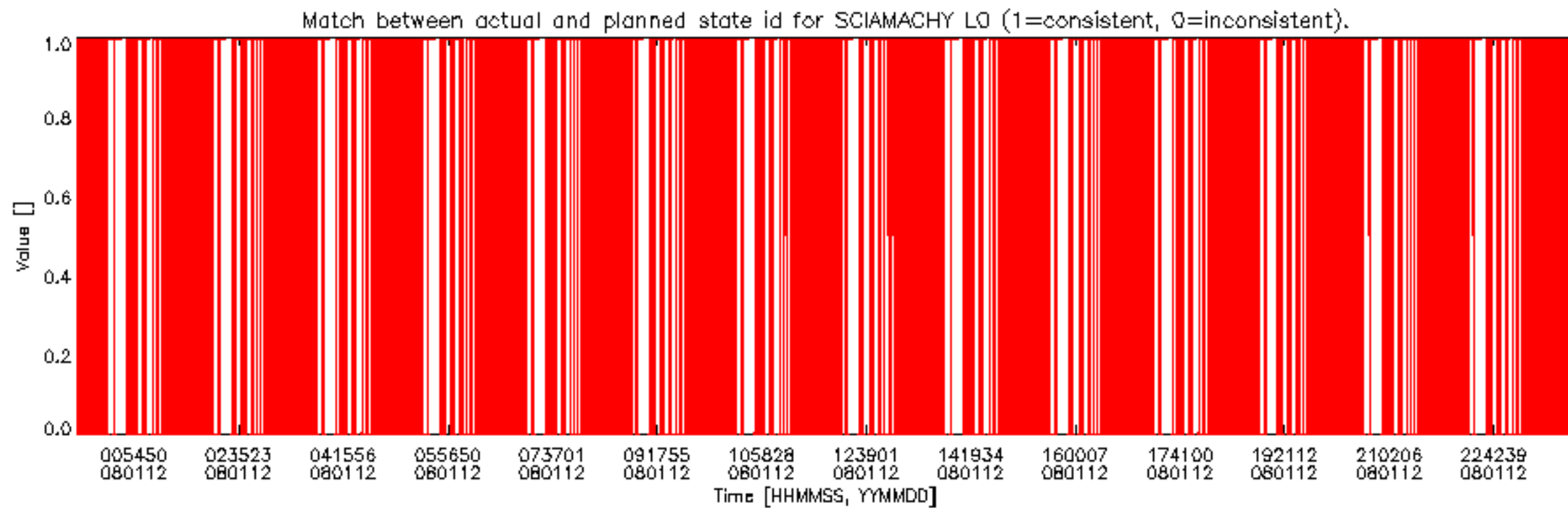
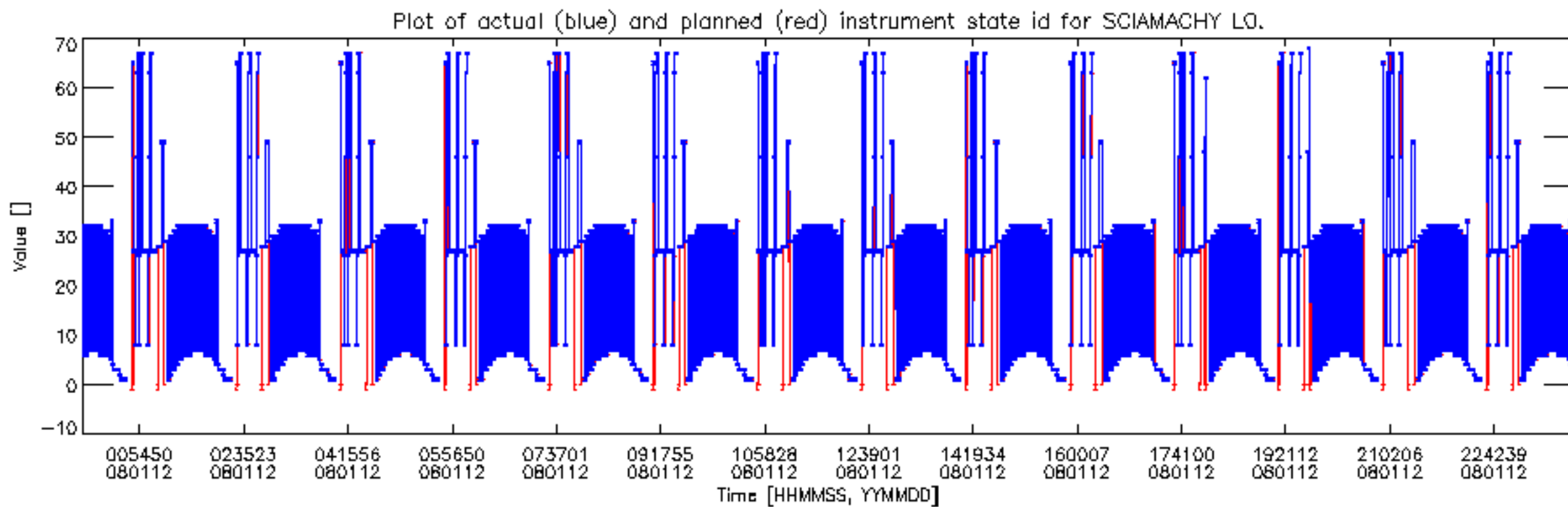


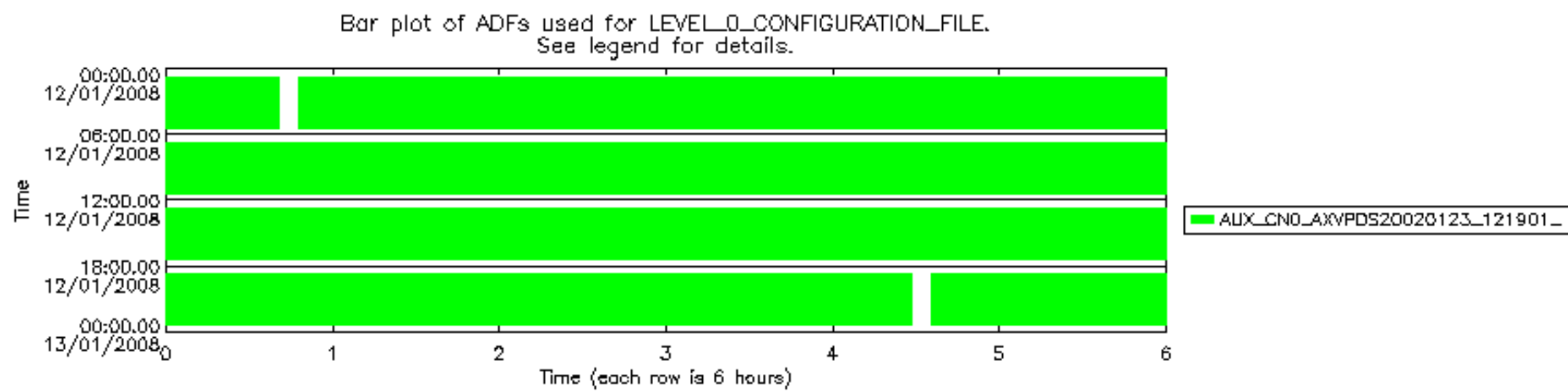
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080112_8.PNG











Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

