

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	19AUG2008 05:16:44
Data source version	KSPT_L0/4303-N
Processing scope for products	15AUG2008 00:00:00 to 16AUG2008 00:00:00
Start time of first product within scope	14AUG2008 23:12:54
Stop time of last product within scope	16AUG2008 00:22:42
Total number of level 0 products	16
Number of level 0 products with errors	1

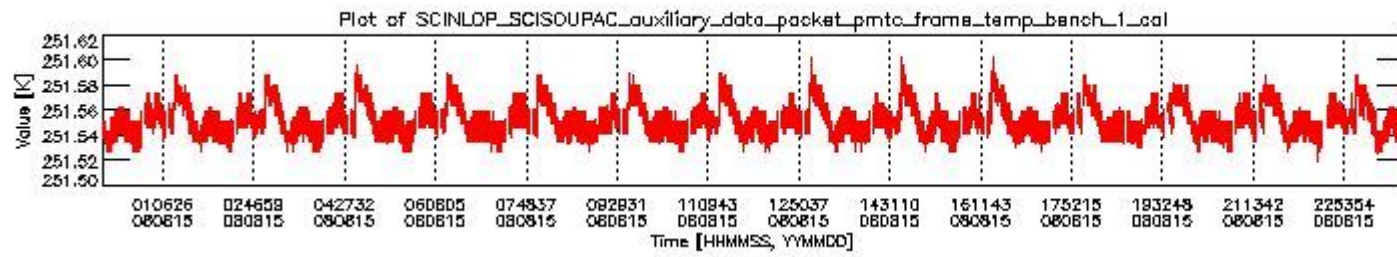
0.1.2 Summary per product

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

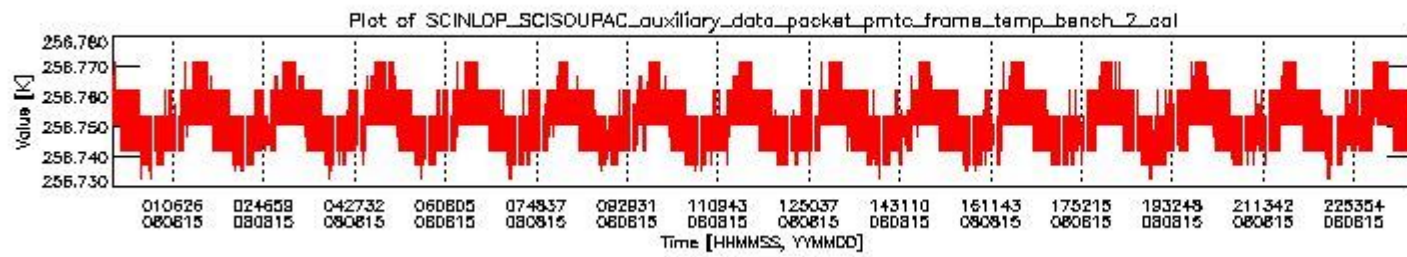
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080814_231254_000061682071_00144_33765_7313.N1	14AUG2008 23:12:54	15AUG2008 00:55:42	0	0	0	0	0
1	SCI_NL__OPNPDE20080815_005458_000045802071_00145_33766_7314.N1	15AUG2008 00:54:58	15AUG2008 02:11:18	0	0	0	0	0
2	SCI_NL__OPNPDE20080815_021118_000056722071_00146_33767_7315.N1	15AUG2008 02:11:18	15AUG2008 03:45:49	0	0	0	0	0
3	SCI_NL__OPNPDE20080815_034825_000060372071_00147_33768_7316.N1	15AUG2008 03:48:25	15AUG2008 05:29:02	0	0	0	0	0
4	SCI_NL__OPNPDE20080815_052902_000060372071_00148_33769_7317.N1	15AUG2008 05:29:02	15AUG2008 07:09:39	0	0	0	0	0
5	SCI_NL__OPNPDK20080815_070939_000040132071_00149_33770_9044.N1	15AUG2008 07:09:39	15AUG2008 08:16:32	0	0	0	0	0
6	SCI_NL__OPNPDK20080815_081523_000062292071_00150_33771_9045.N1	15AUG2008 08:15:23	15AUG2008 09:59:13	1	0	1	0	0
7	SCI_NL__OPNPDK20080815_095913_000059122071_00151_33772_9046.N1	15AUG2008 09:59:13	15AUG2008 11:37:45	0	0	0	0	0
8	SCI_NL__OPNPDK20080815_113636_000060362071_00152_33773_9047.N1	15AUG2008 11:36:36	15AUG2008 13:17:12	0	0	0	0	0
9	SCI_NL__OPNPDK20080815_131616_000059802071_00153_33774_9048.N1	15AUG2008 13:16:16	15AUG2008 14:55:57	0	0	0	0	0
10	SCI_NL__OPNPDK20080815_145448_000057192071_00154_33775_9049.N1	15AUG2008 14:54:48	15AUG2008 16:30:07	0	0	0	0	0
11	SCI_NL__OPNPDK20080815_162911_000060652071_00155_33776_9050.N1	15AUG2008 16:29:11	15AUG2008 18:10:16	0	0	0	0	0
12	SCI_NL__OPNPDK20080815_180859_000061122071_00156_33777_9051.N1	15AUG2008 18:08:59	15AUG2008 19:50:51	0	0	0	0	0
13	SCI_NL__OPNPDE20080815_194927_000040302071_00157_33778_7318.N1	15AUG2008 19:49:27	15AUG2008 20:56:37	0	0	0	0	0
14	SCI_NL__OPNPDE20080815_205550_000064142071_00157_33778_7319.N1	15AUG2008 20:55:50	15AUG2008 22:42:44	0	0	0	0	0
15	SCI_NL__OPNPDE20080815_224211_000060322071_00158_33779_7320.N1	15AUG2008 22:42:11	16AUG2008 00:22:42	0	0	0	0	0

0.2 Product Quality Indicators

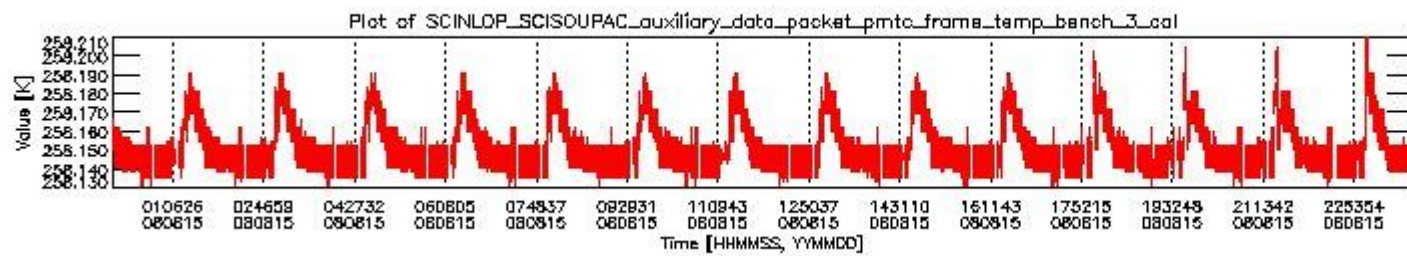
This section shows information about product quality, currently temperatures.



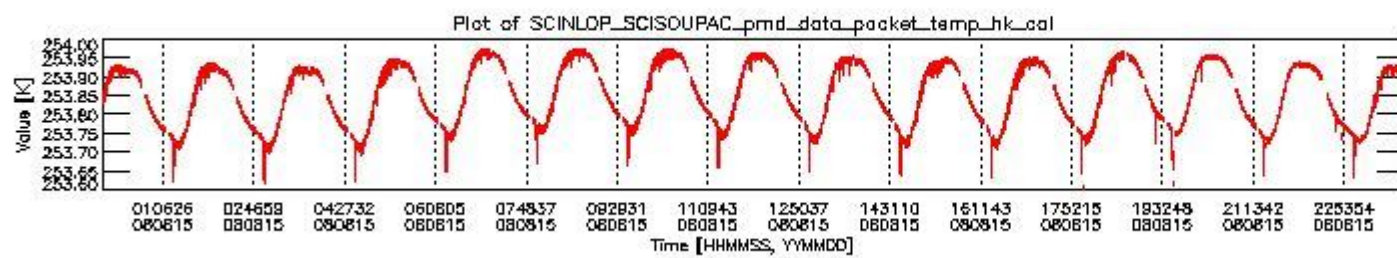
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080815_0.PNG



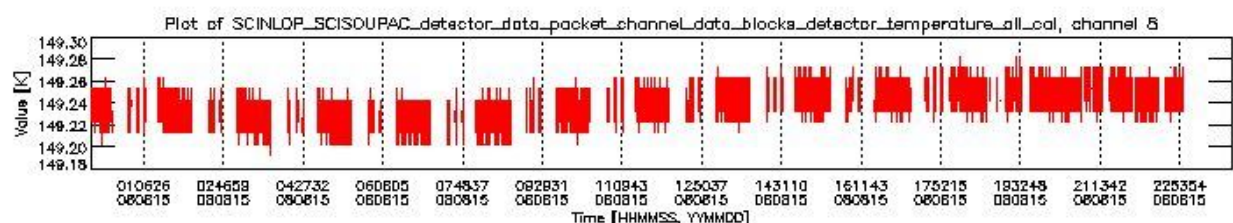
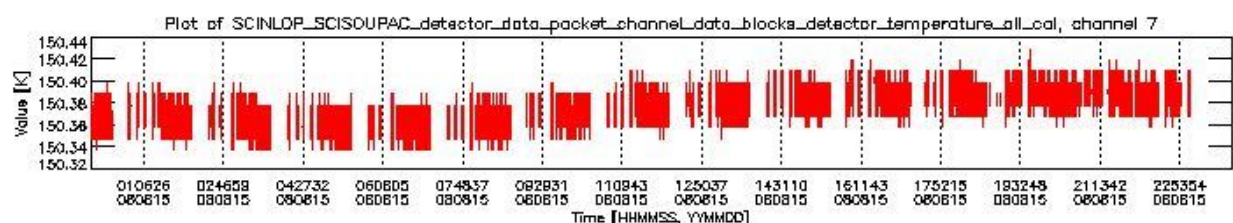
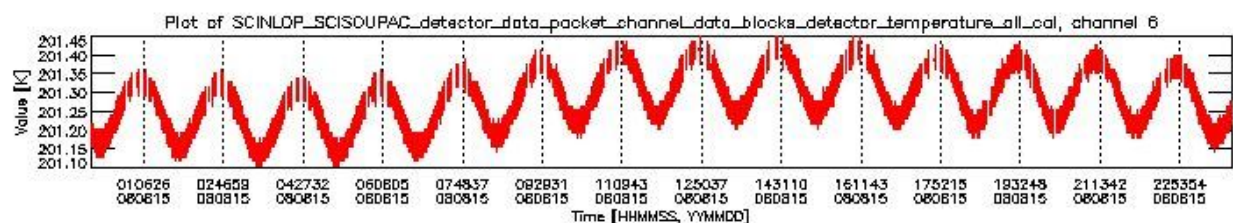
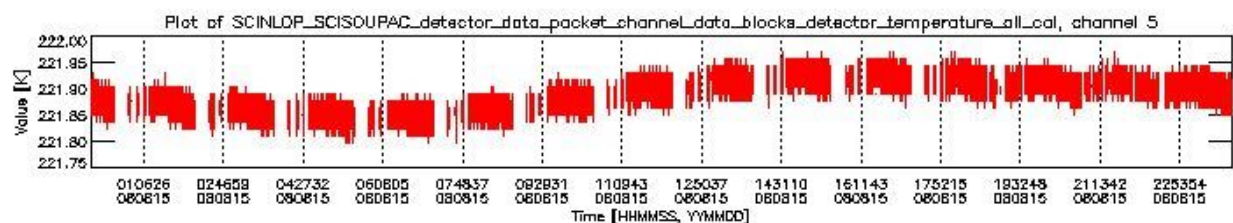
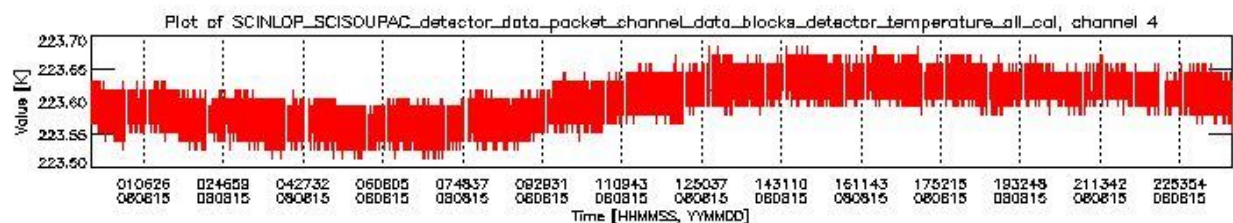
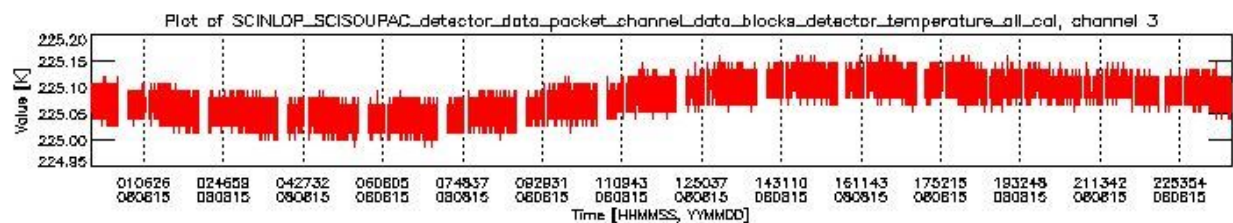
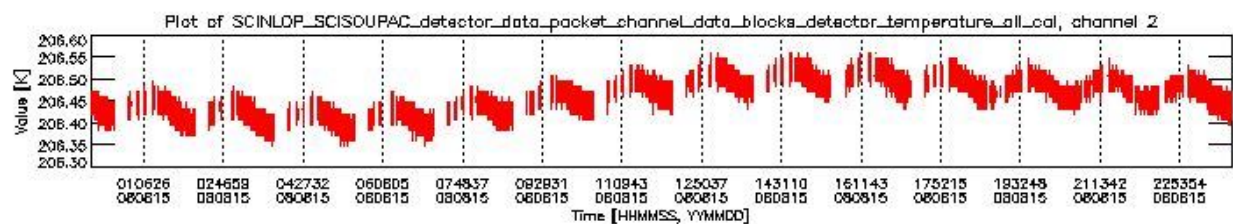
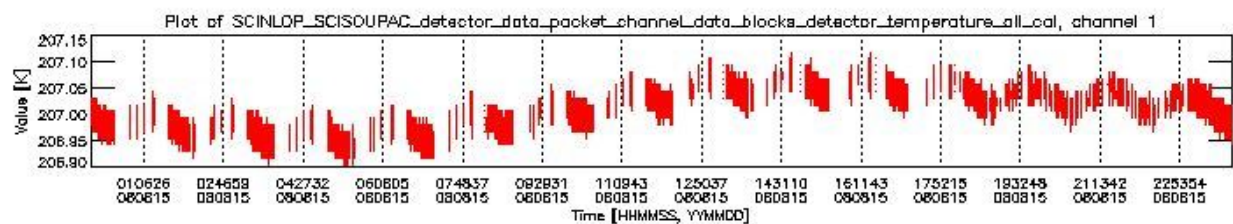
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080815_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080815_3.PNG

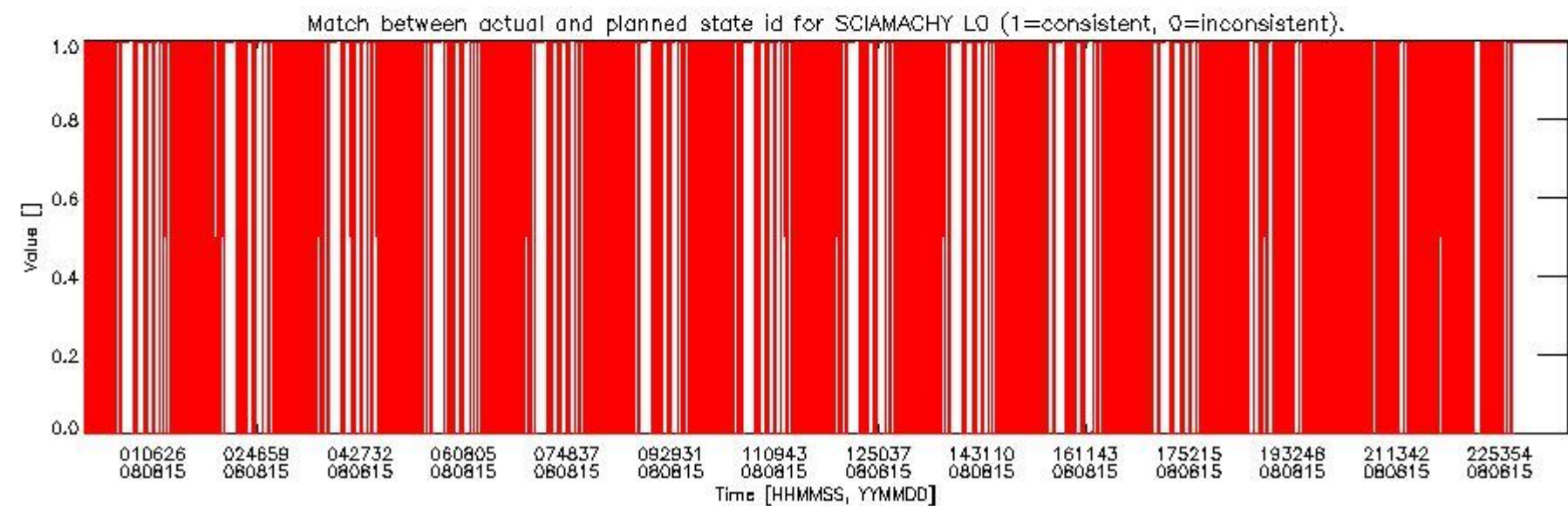
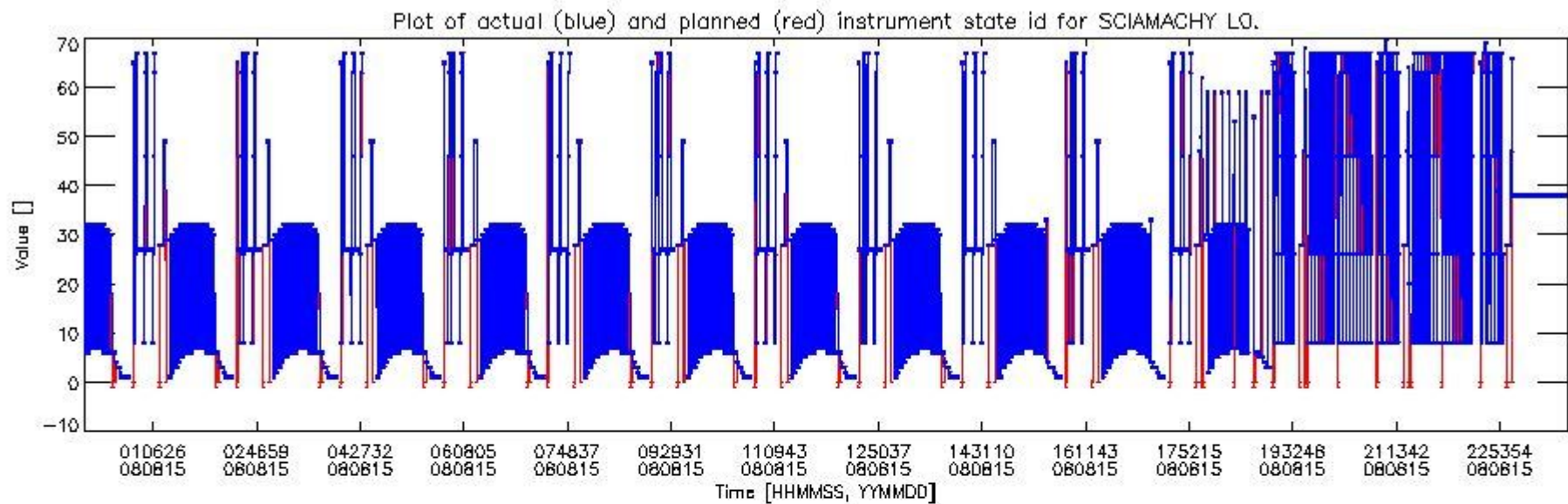


0.3 State monitoring

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: **34865**

#	Actual time	Actual value	Planned time	Planned value
0	15AUG2008 00:00:39.984575	6	15AUG2008 00:00:39.984575	32
1	15AUG2008 00:00:40.359588	6	15AUG2008 00:00:40.359588	32
2	15AUG2008 00:00:40.609597	6	15AUG2008 00:00:40.609597	32
3	15AUG2008 00:00:40.859605	6	15AUG2008 00:00:40.859605	32
4	15AUG2008 00:00:41.109614	6	15AUG2008 00:00:41.109614	32
5	15AUG2008 00:00:41.359583	6	15AUG2008 00:00:41.359583	32
6	15AUG2008 00:00:41.609591	6	15AUG2008 00:00:41.609591	32
7	15AUG2008 00:00:41.859600	6	15AUG2008 00:00:41.859600	32
8	15AUG2008 00:00:42.109609	6	15AUG2008 00:00:42.109609	32
9	15AUG2008 00:00:42.359577	6	15AUG2008 00:00:42.359577	32
10	15AUG2008 00:00:42.609586	6	15AUG2008 00:00:42.609586	32
11	15AUG2008 00:00:42.859595	6	15AUG2008 00:00:42.859595	32
12	15AUG2008 00:00:43.109603	6	15AUG2008 00:00:43.109603	32
13	15AUG2008 00:00:43.359612	6	15AUG2008 00:00:43.359612	32
14	15AUG2008 00:00:43.609580	6	15AUG2008 00:00:43.609580	32
15	15AUG2008 00:00:43.859589	6	15AUG2008 00:00:43.859589	32
16	15AUG2008 00:00:44.109598	6	15AUG2008 00:00:44.109598	32
17	15AUG2008 00:00:44.359607	6	15AUG2008 00:00:44.359607	32
18	15AUG2008 00:00:44.609575	6	15AUG2008 00:00:44.609575	32
19	15AUG2008 00:00:44.859584	6	15AUG2008 00:00:44.859584	32
...

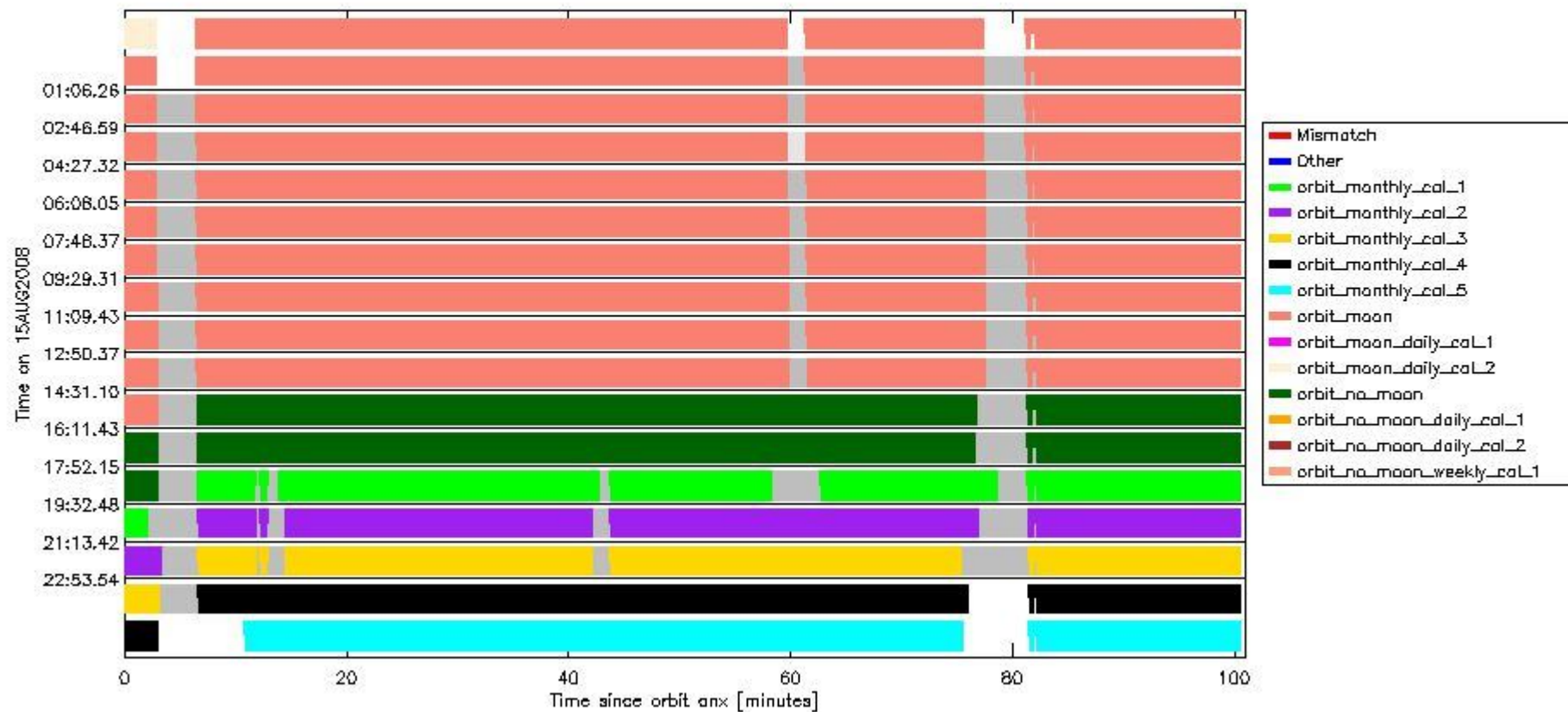


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080815_5.PNG

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 15AUG2008.
 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_20080815_6.PNG

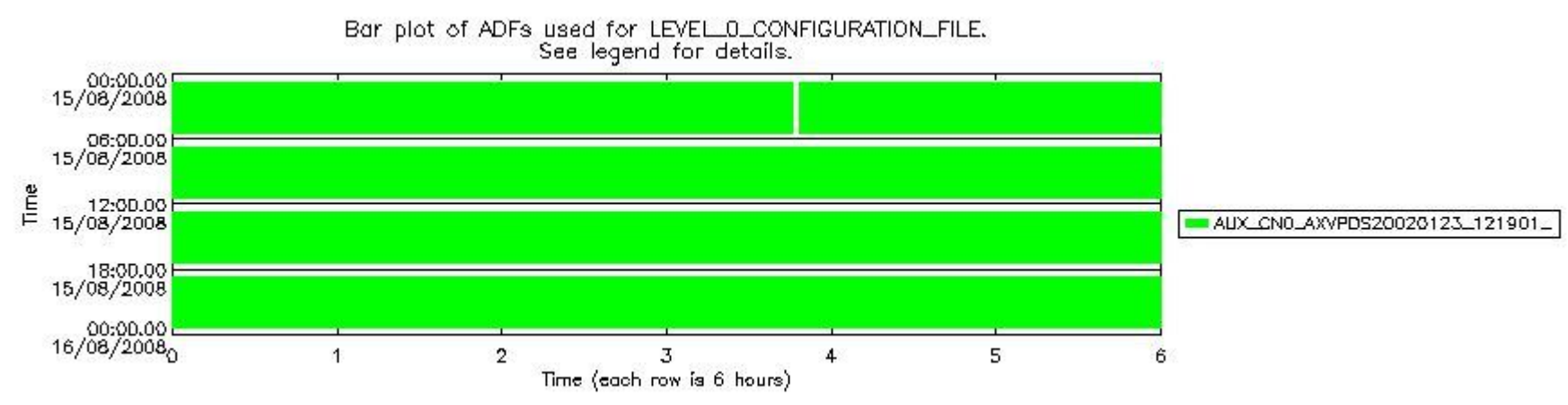
0.4 ADF monitoring

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

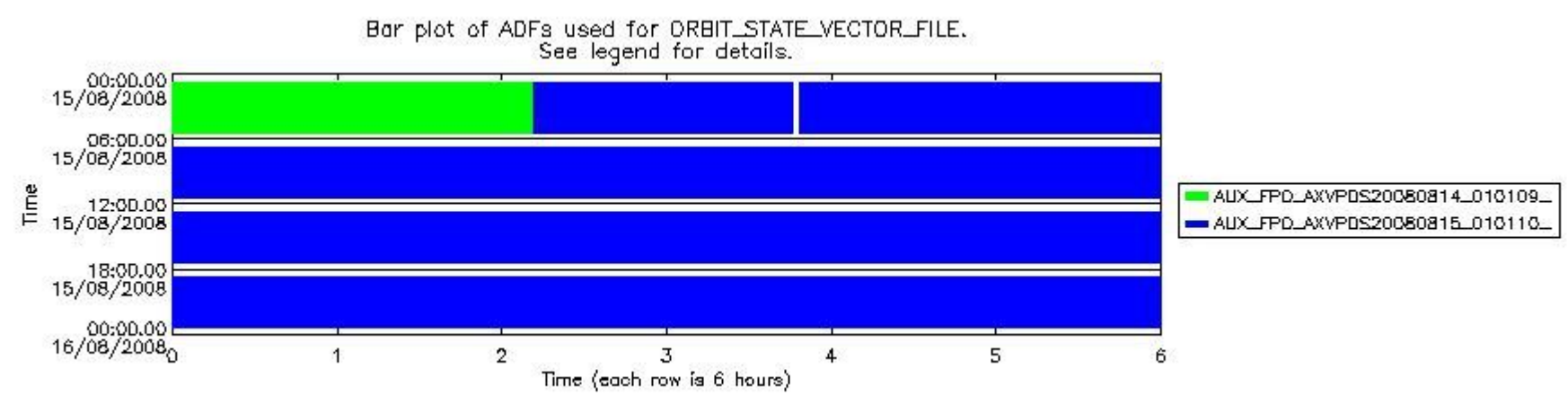
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

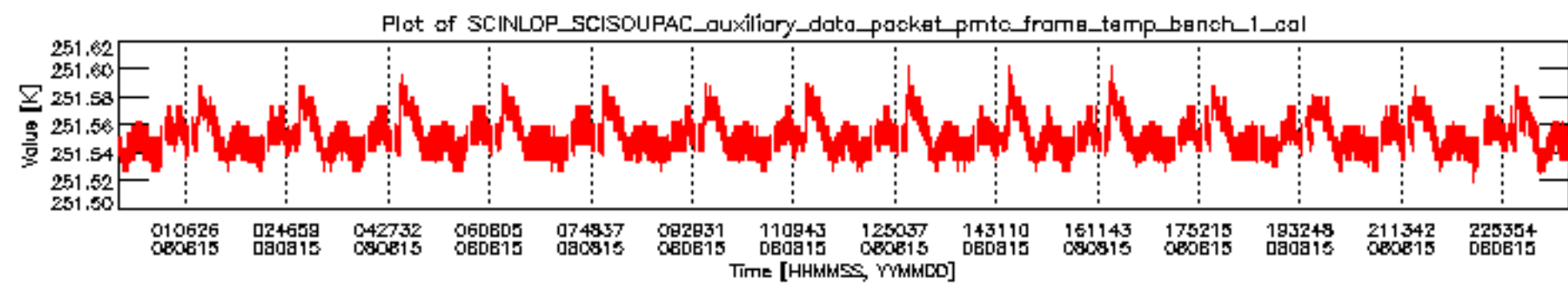
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080814_010109_20080813_185534_20080823_202146
2	AUX_FPO_AXVPDS20080815_010110_20080814_182357_20080824_213045

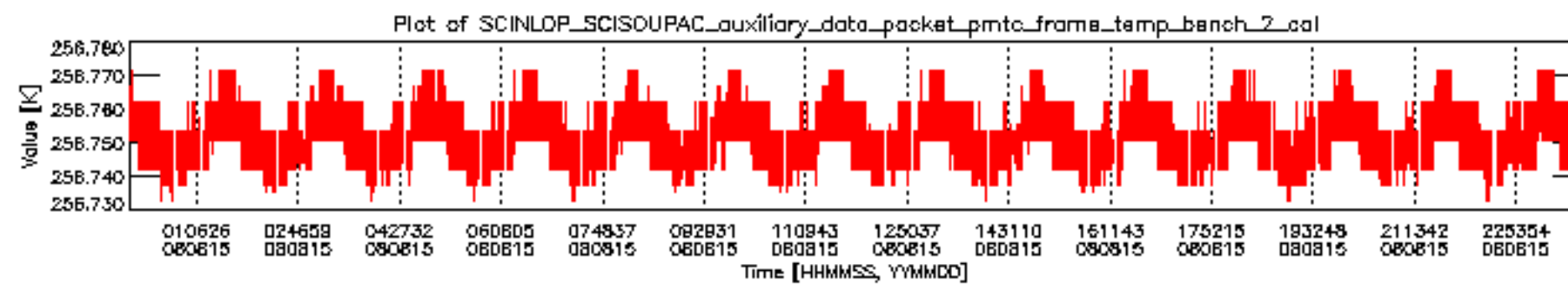


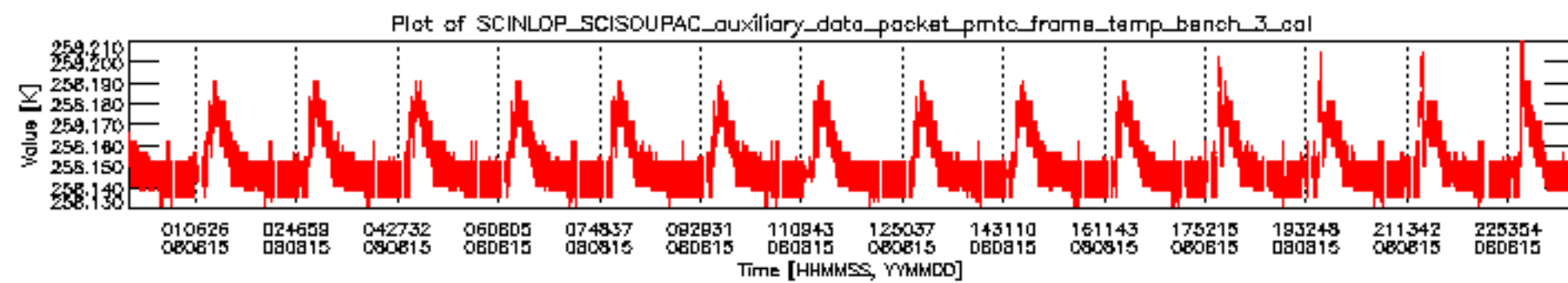
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080815_7.PNG

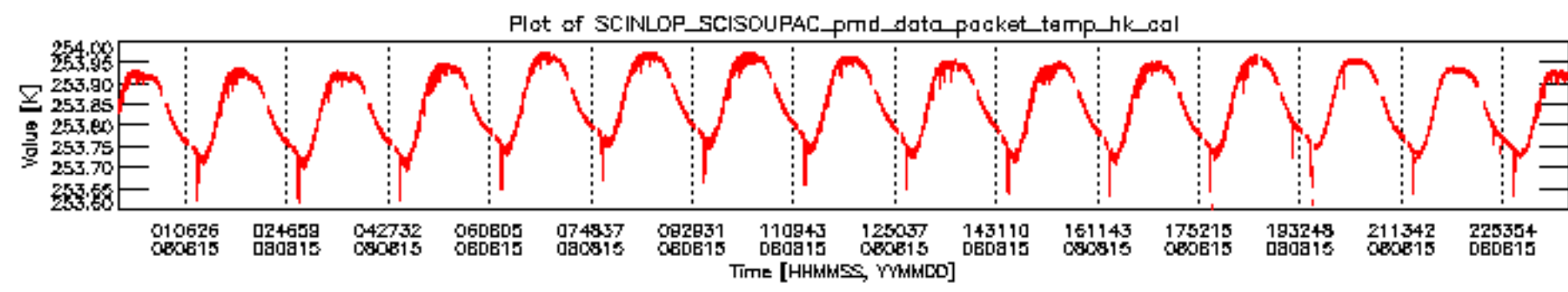


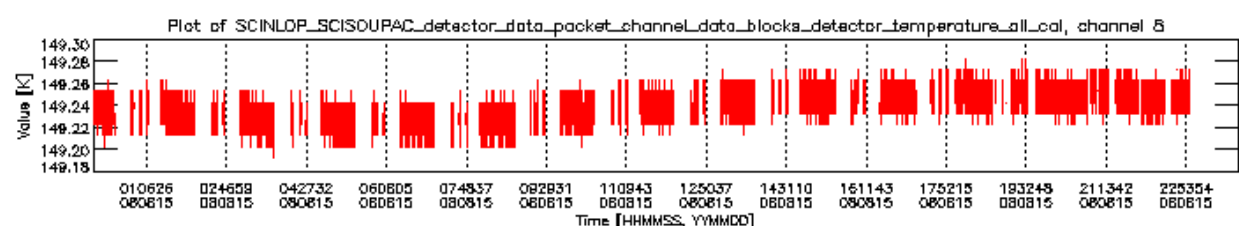
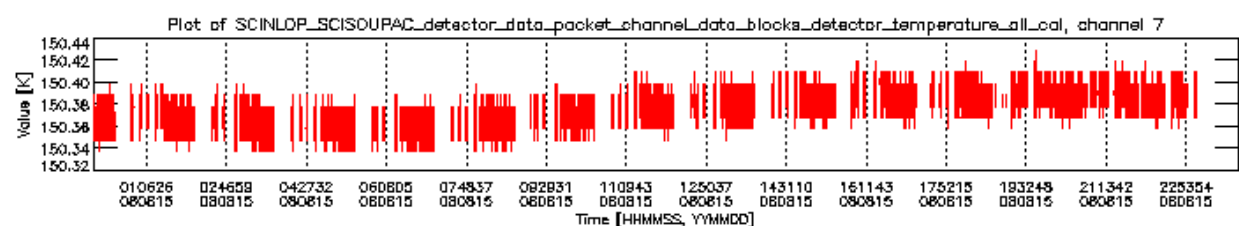
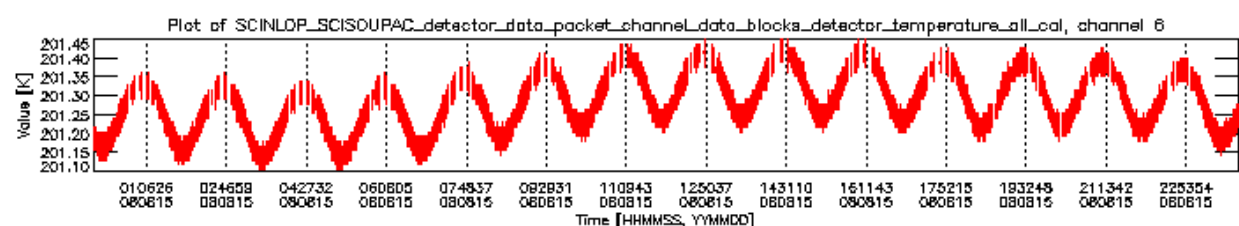
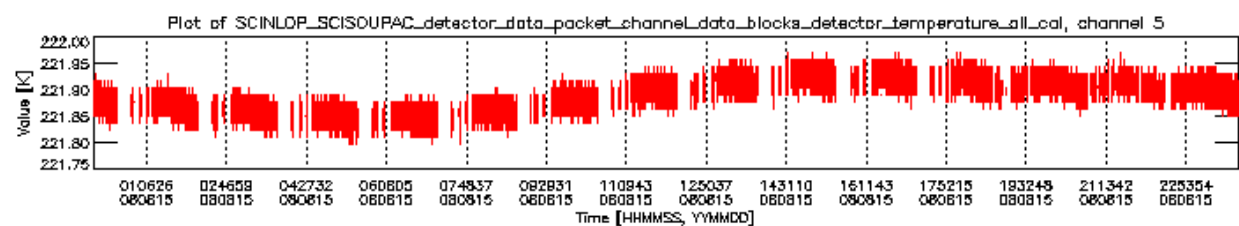
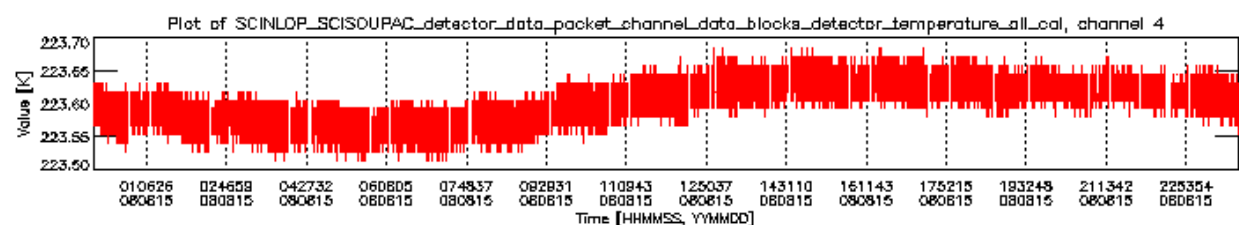
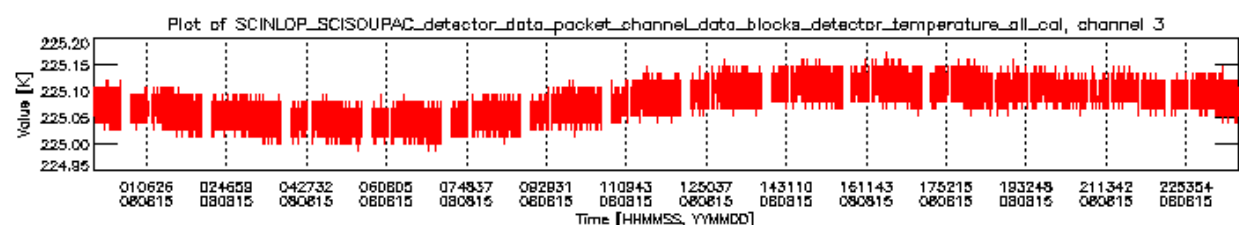
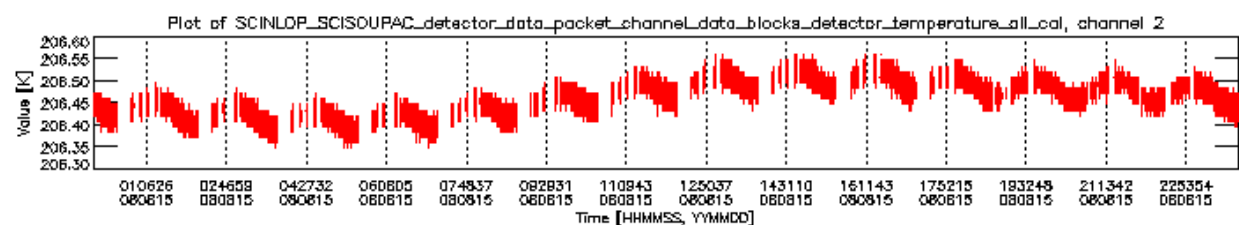
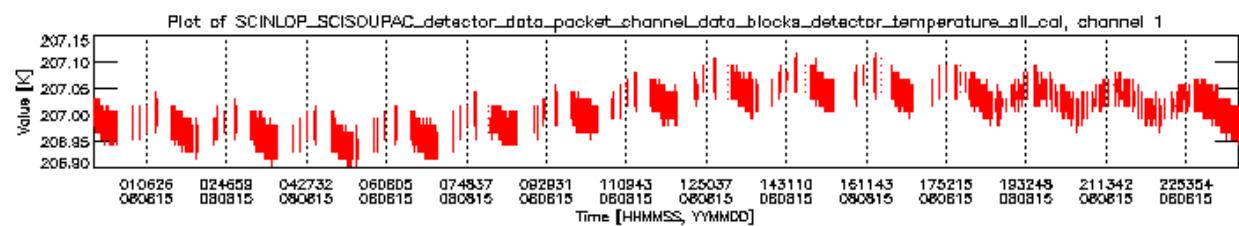
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080815_8.PNG

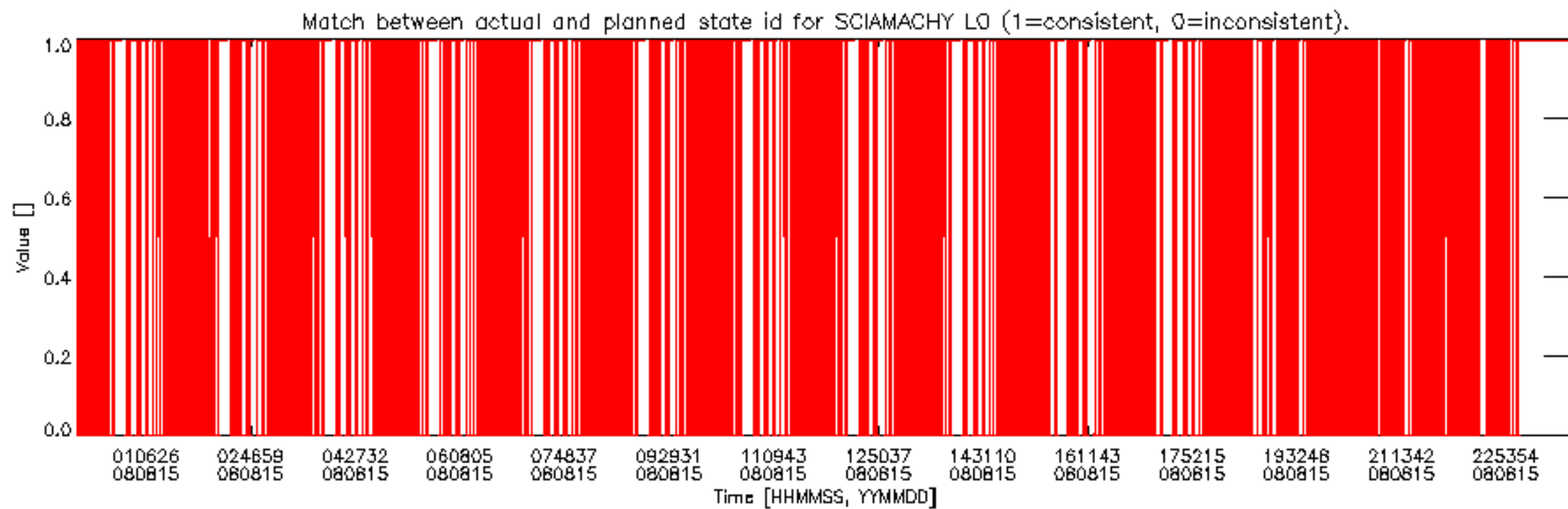
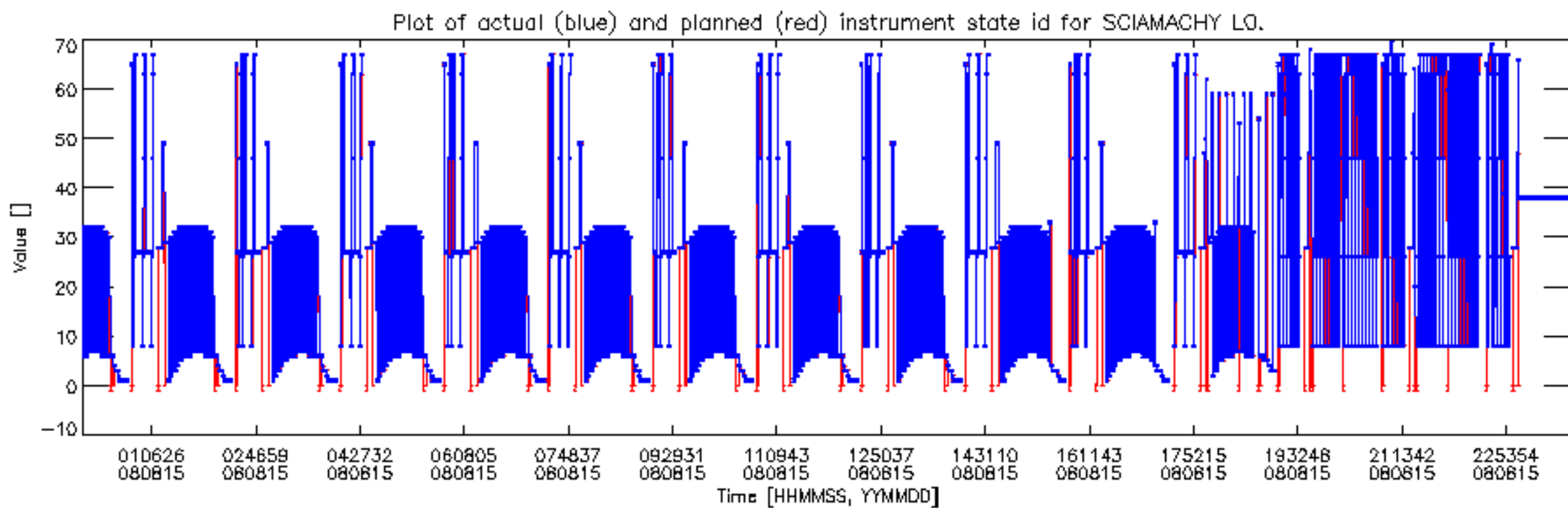


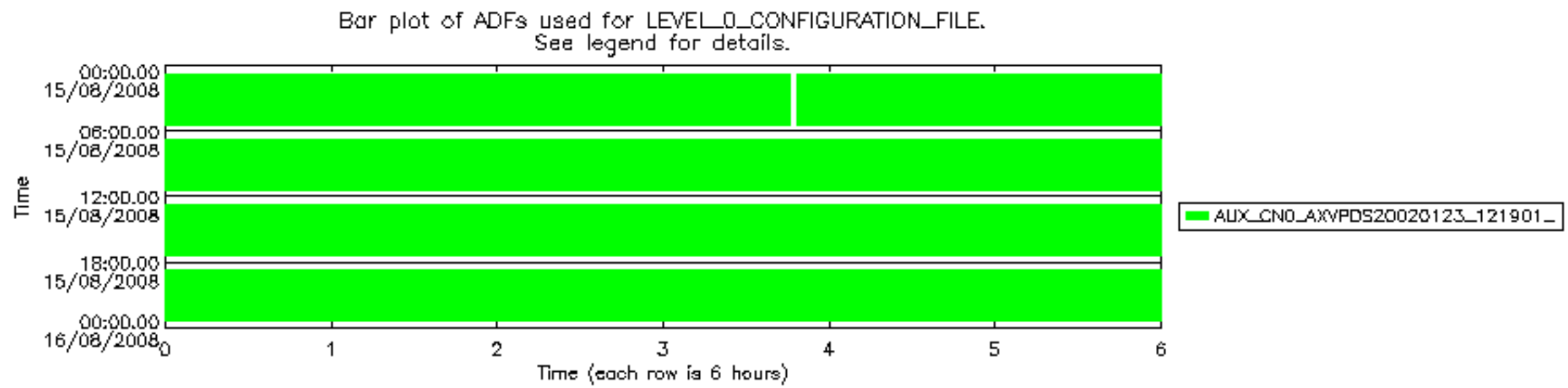












Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

