

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	12FEB2008 15:03:30
Data source version	KSPT_L0/4303-N
Processing scope for products	07FEB2008 00:00:00 to 08FEB2008 00:00:00
Start time of first product within scope	06FEB2008 22:48:01
Stop time of last product within scope	08FEB2008 01:29:54
Total number of level 0 products	15
Number of level 0 products with errors	0

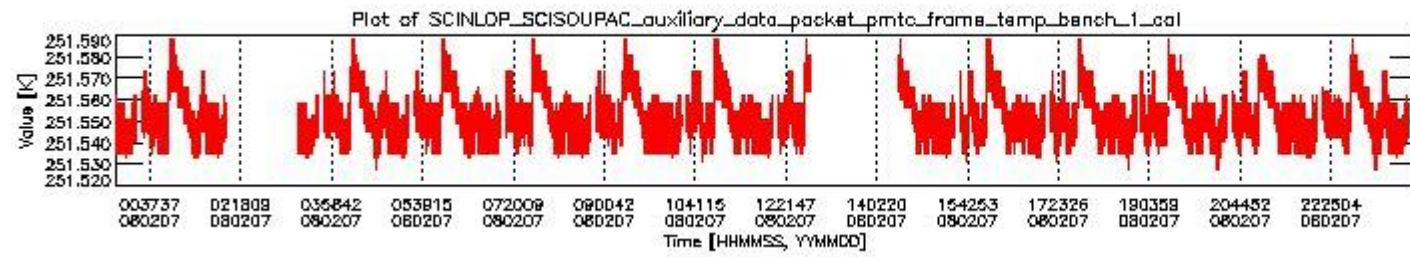
0.1.2 Summary per product

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

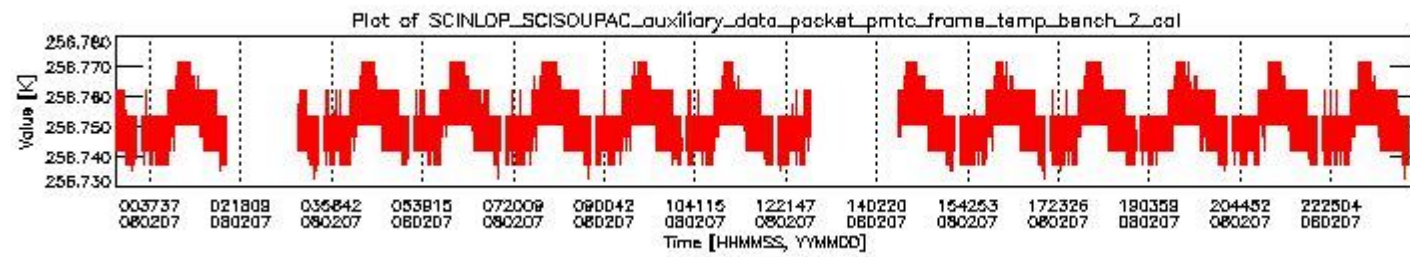
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080206_224801_000055942065_00430_31045_6091.N1	06FEB2008 22:48:01	07FEB2008 00:21:15	0	0	0	0	0
1	SCI_NL__OPNPDE20080207_002837_000055812065_00431_31046_6092.N1	07FEB2008 00:28:37	07FEB2008 02:01:38	0	0	0	0	0
2	SCI_NL__OPNPDE20080207_032134_000058432065_00433_31048_6093.N1	07FEB2008 03:21:34	07FEB2008 04:58:56	0	0	0	0	0
3	SCI_NL__OPNPDE20080207_045856_000060482065_00434_31049_6094.N1	07FEB2008 04:58:56	07FEB2008 06:39:45	0	0	0	0	0
4	SCI_NL__OPNPDK20080207_063945_000041562065_00435_31050_7327.N1	07FEB2008 06:39:45	07FEB2008 07:49:01	0	0	0	0	0
5	SCI_NL__OPNPDK20080207_074805_000061042065_00436_31051_7328.N1	07FEB2008 07:48:05	07FEB2008 09:29:49	0	0	0	0	0
6	SCI_NL__OPNPDK20080207_092841_000059672065_00437_31052_7329.N1	07FEB2008 09:28:41	07FEB2008 11:08:07	0	0	0	0	0
7	SCI_NL__OPNPDK20080207_110712_000061042065_00438_31053_7330.N1	07FEB2008 11:07:12	07FEB2008 12:48:56	0	0	0	0	0
8	SCI_NL__OPNPDK20080207_142618_000057302065_00440_31055_7331.N1	07FEB2008 14:26:18	07FEB2008 16:01:48	0	0	0	0	0
9	SCI_NL__OPNPDK20080207_160148_000060362065_00441_31056_7332.N1	07FEB2008 16:01:48	07FEB2008 17:42:24	0	0	0	0	0
10	SCI_NL__OPNPDK20080207_174127_000060362065_00442_31057_7333.N1	07FEB2008 17:41:27	07FEB2008 19:22:02	0	0	0	0	0
11	SCI_NL__OPNPDK20080207_192010_000060352065_00443_31058_7334.N1	07FEB2008 19:20:10	07FEB2008 21:00:46	0	0	0	0	0
12	SCI_NL__OPNPDE20080207_205950_000041332065_00444_31059_6095.N1	07FEB2008 20:59:50	07FEB2008 22:08:43	0	0	0	0	0
13	SCI_NL__OPNPDE20080207_221618_000055932065_00444_31059_6096.N1	07FEB2008 22:16:18	07FEB2008 23:49:32	0	0	0	0	0
14	SCI_NL__OPNPDE20080207_235654_000055812065_00445_31060_6097.N1	07FEB2008 23:56:54	08FEB2008 01:29:54	0	0	0	0	0

0.2 Product Quality Indicators

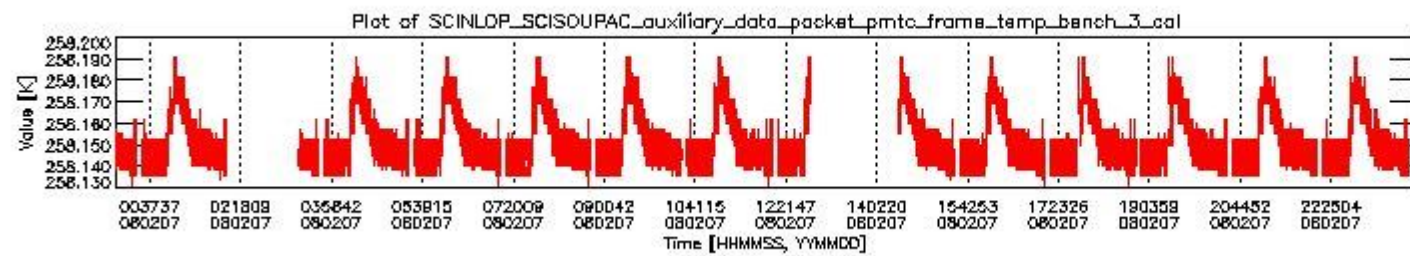
This section shows information about product quality, currently temperatures.



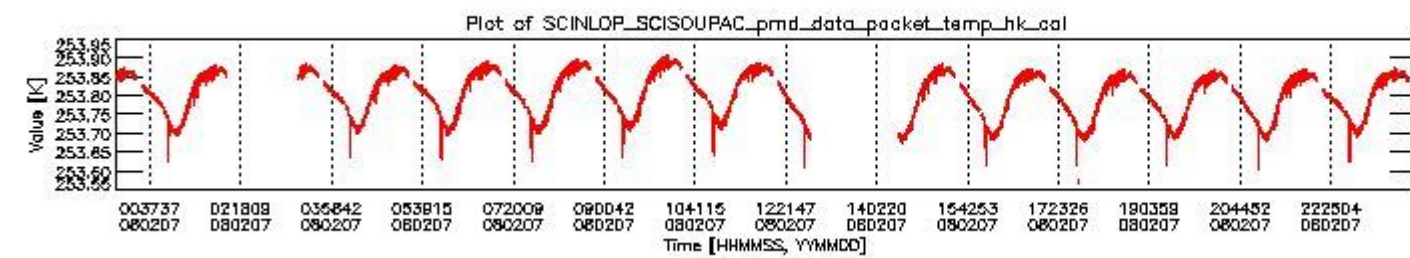
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080207_0.PNG



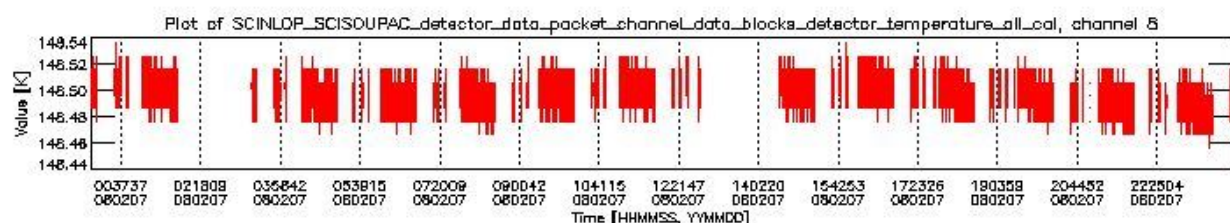
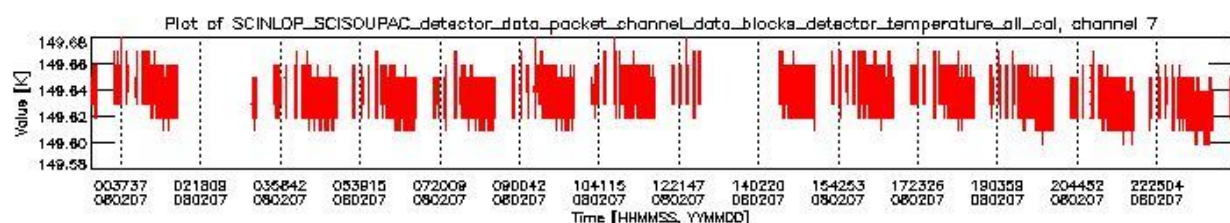
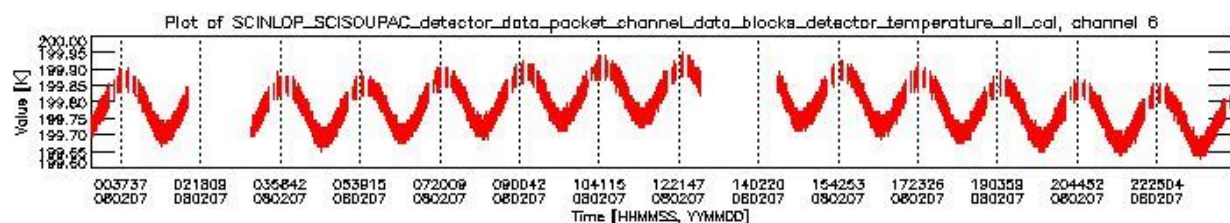
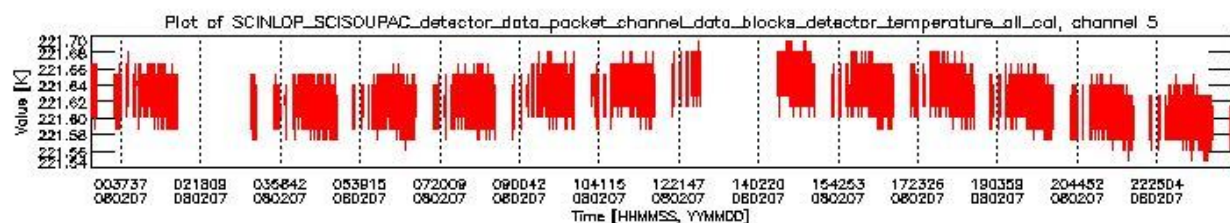
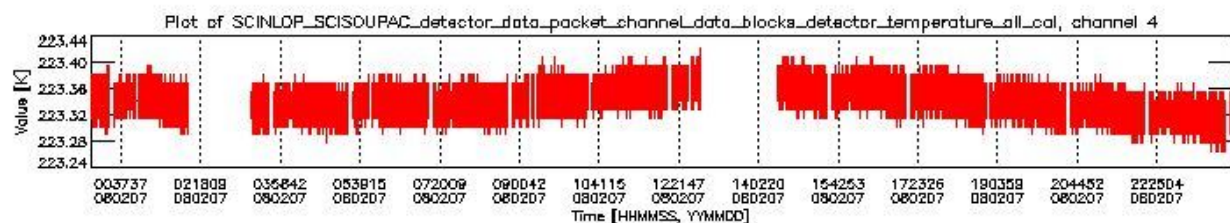
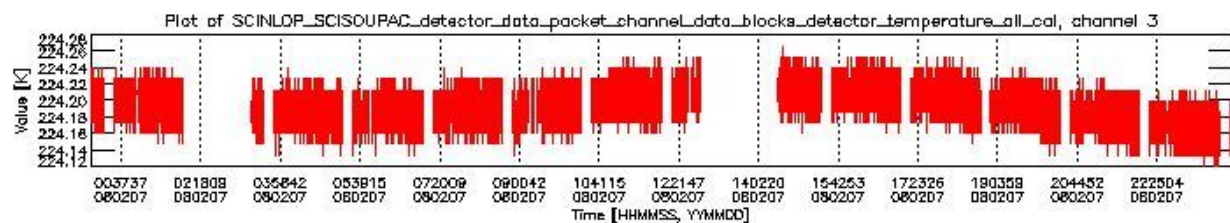
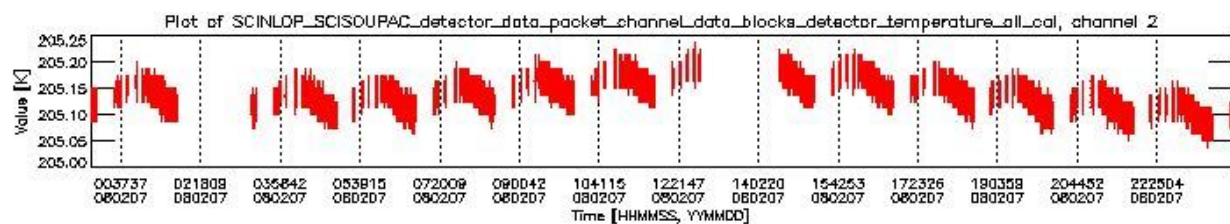
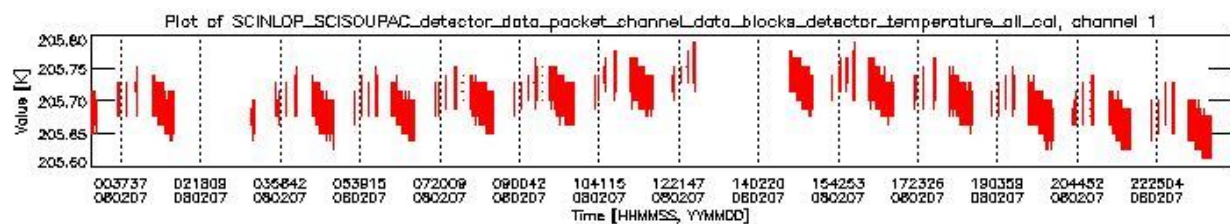
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080207_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080207_3.PNG

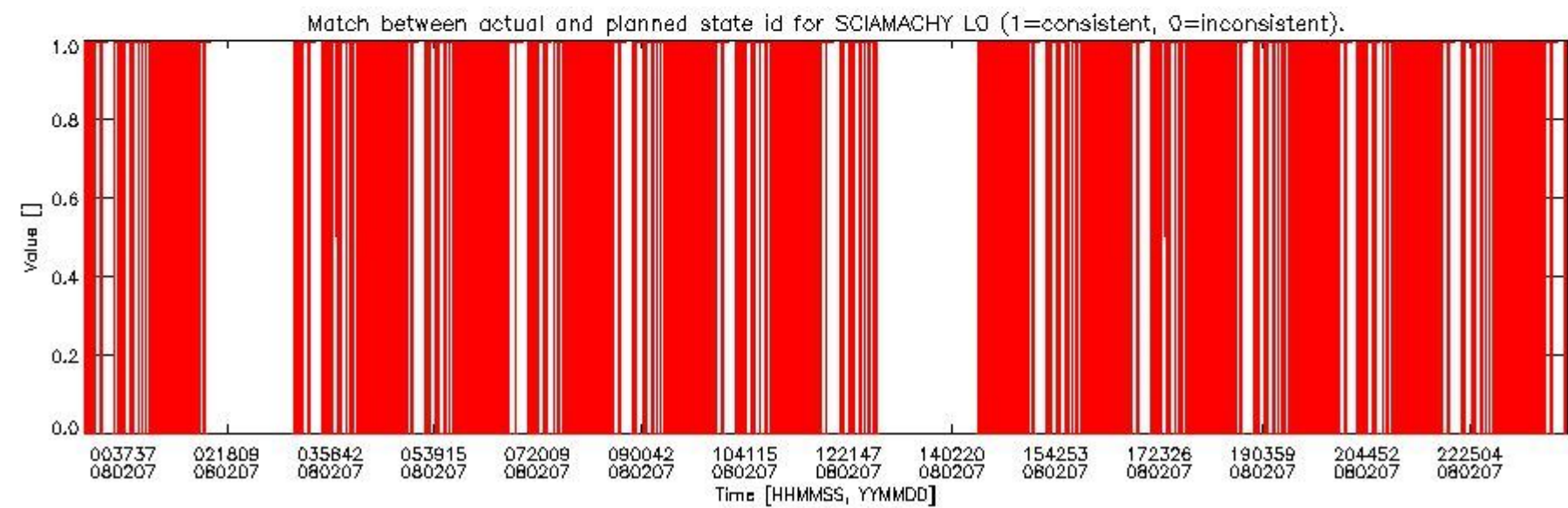
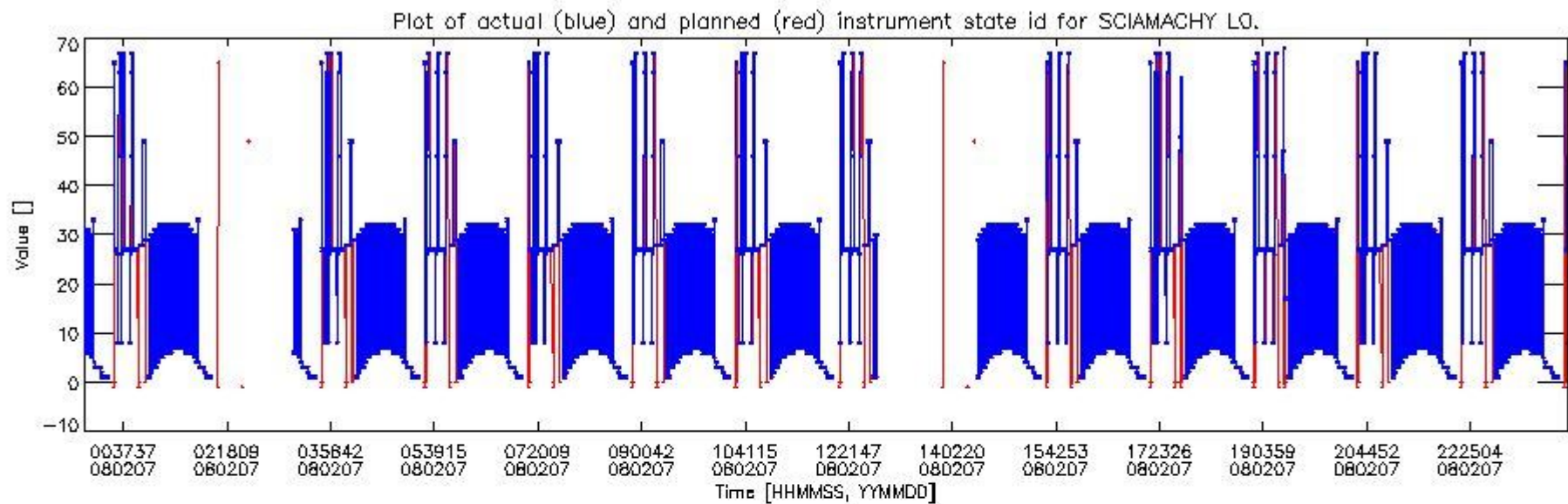


0.3 State monitoring

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: **38115**

#	Actual time	Actual value	Planned time	Planned value
0	07FEB2008 00:00:23.555093	6	07FEB2008 00:00:23.555093	31
1	07FEB2008 00:00:23.930106	6	07FEB2008 00:00:23.930106	31
2	07FEB2008 00:00:24.180074	6	07FEB2008 00:00:24.180074	31
3	07FEB2008 00:00:24.430083	6	07FEB2008 00:00:24.430083	31
4	07FEB2008 00:00:24.680091	6	07FEB2008 00:00:24.680091	31
5	07FEB2008 00:00:24.930100	6	07FEB2008 00:00:24.930100	31
6	07FEB2008 00:00:25.180109	6	07FEB2008 00:00:25.180109	31
7	07FEB2008 00:00:25.430077	6	07FEB2008 00:00:25.430077	31
8	07FEB2008 00:00:25.680086	6	07FEB2008 00:00:25.680086	31
9	07FEB2008 00:00:25.930095	6	07FEB2008 00:00:25.930095	31
10	07FEB2008 00:00:26.180103	6	07FEB2008 00:00:26.180103	31
11	07FEB2008 00:00:26.430112	6	07FEB2008 00:00:26.430112	31
12	07FEB2008 00:00:26.680081	6	07FEB2008 00:00:26.680081	31
13	07FEB2008 00:00:26.930089	6	07FEB2008 00:00:26.930089	31
14	07FEB2008 00:00:27.180098	6	07FEB2008 00:00:27.180098	31
15	07FEB2008 00:00:27.430107	6	07FEB2008 00:00:27.430107	31
16	07FEB2008 00:00:27.680075	6	07FEB2008 00:00:27.680075	31
17	07FEB2008 00:00:27.930084	6	07FEB2008 00:00:27.930084	31
18	07FEB2008 00:00:28.180093	6	07FEB2008 00:00:28.180093	31
19	07FEB2008 00:00:28.430101	6	07FEB2008 00:00:28.430101	31

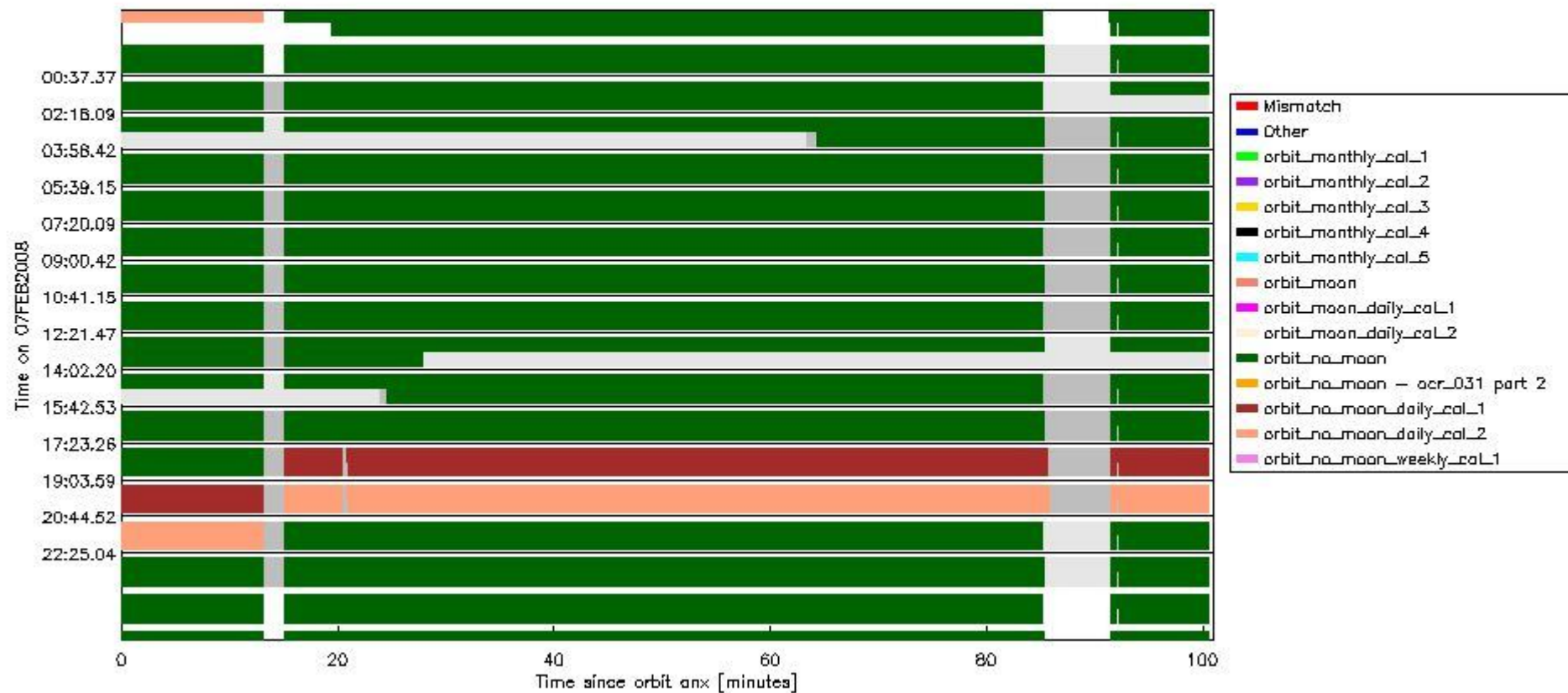


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080207_5.PNG

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 07FEB2008.
 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_20080207_6.PNG

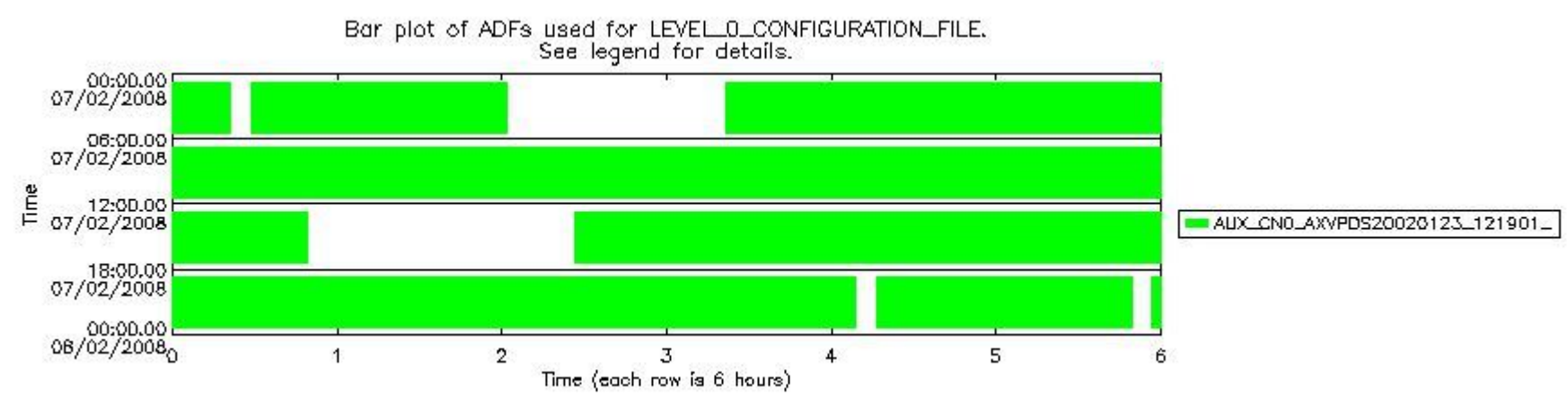
0.4 ADF monitoring

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

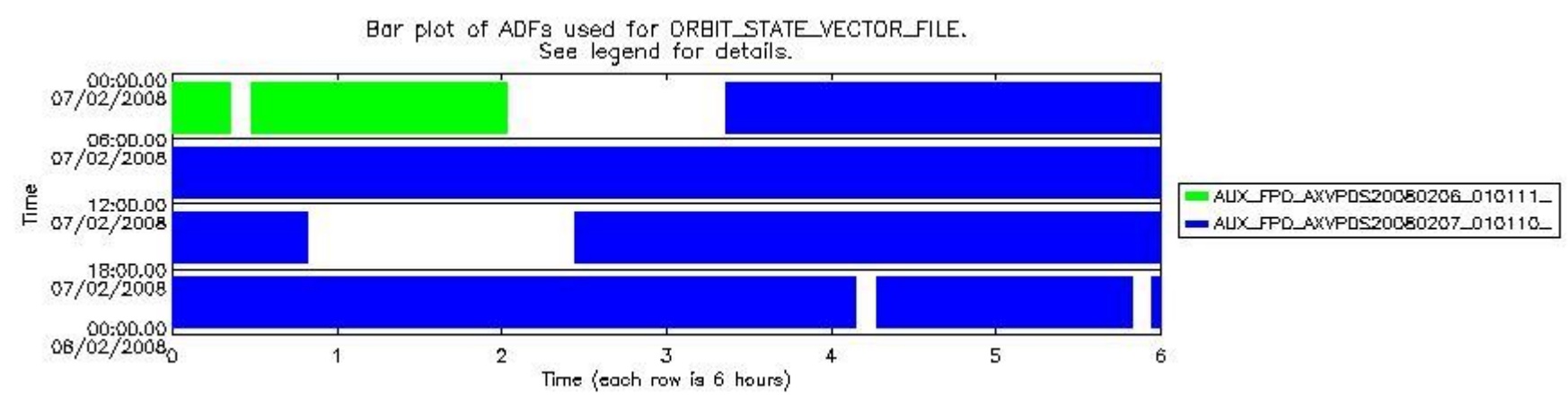
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

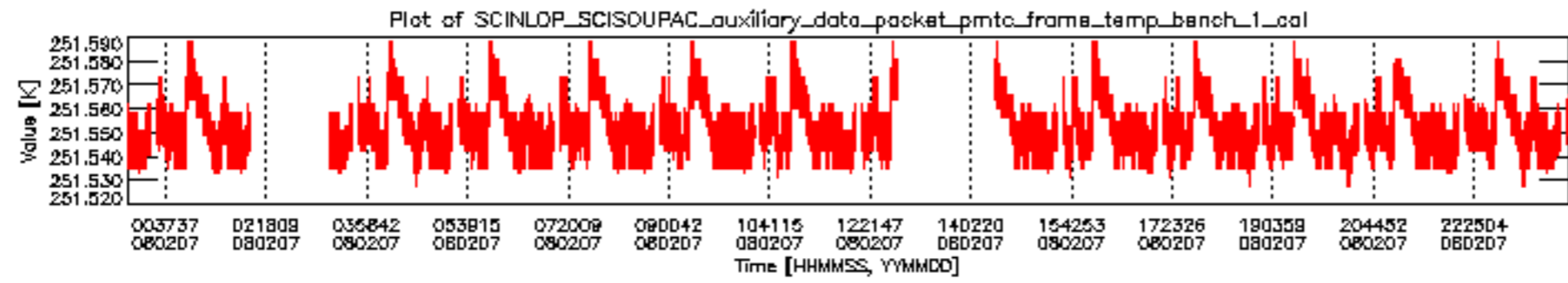
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080206_010111_20080205_182648_20080215_213336
2	AUX_FPO_AXVPDS20080207_010110_20080206_193546_20080216_210159

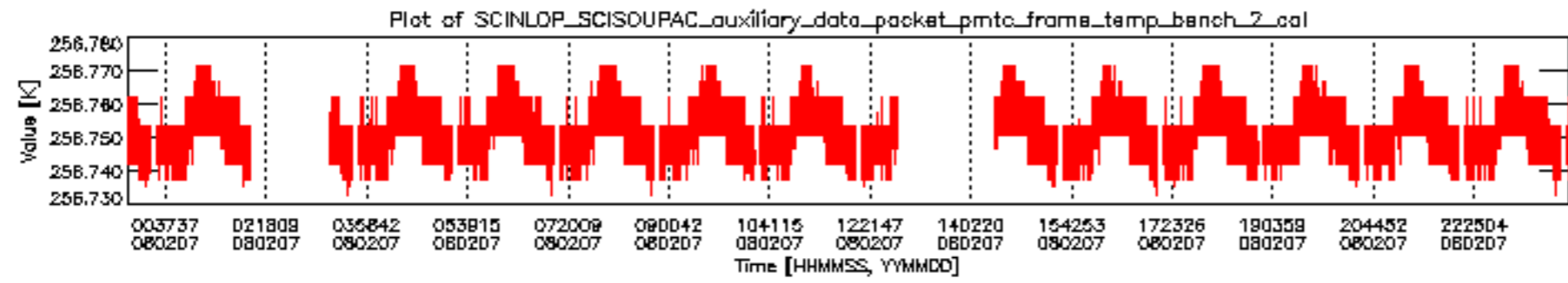


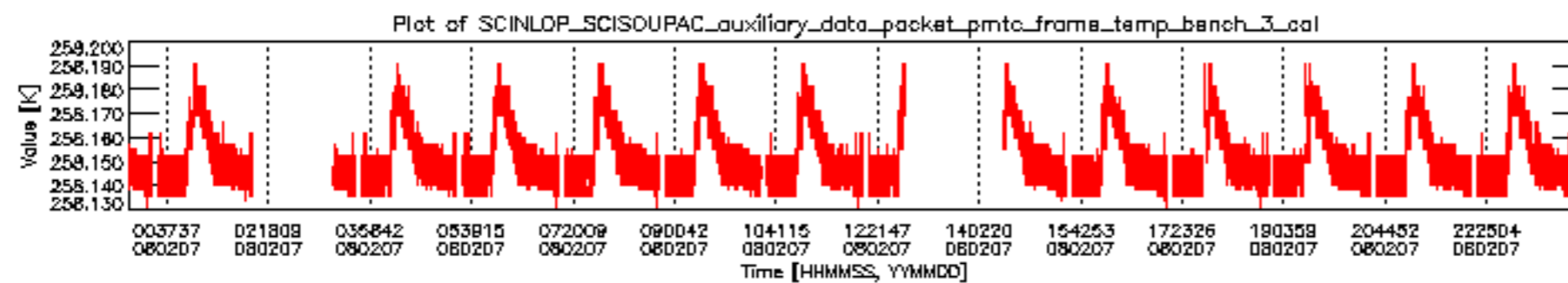
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080207_7.PNG

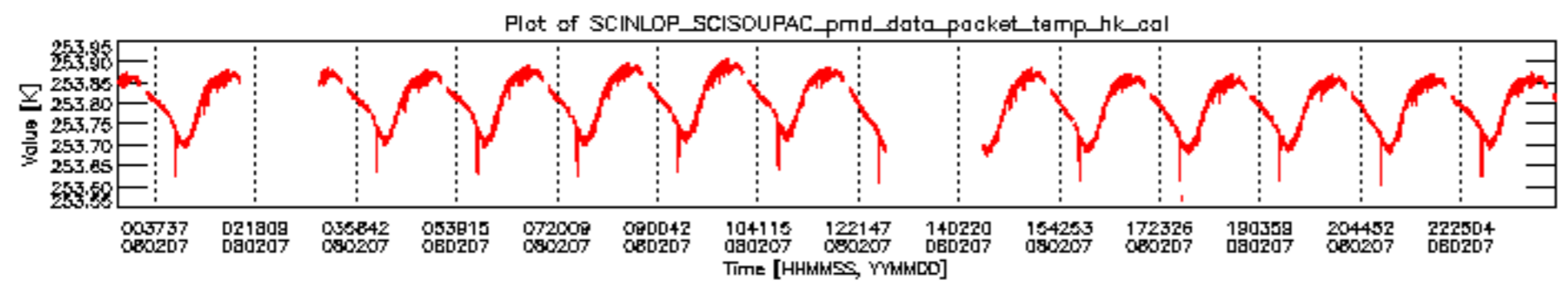


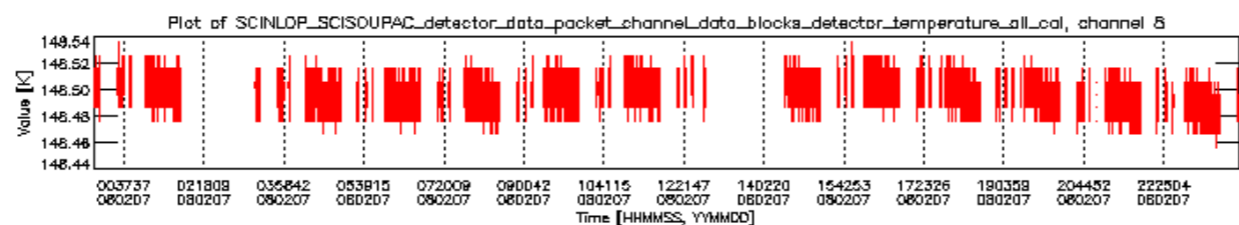
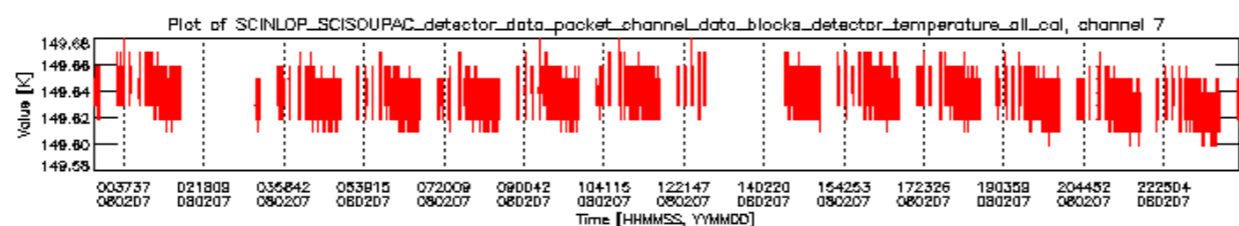
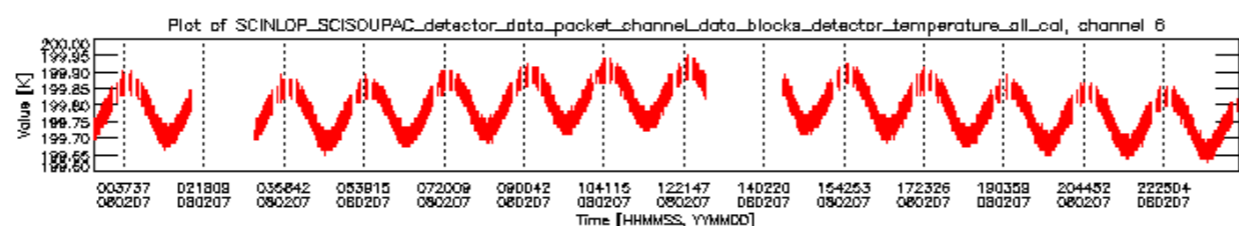
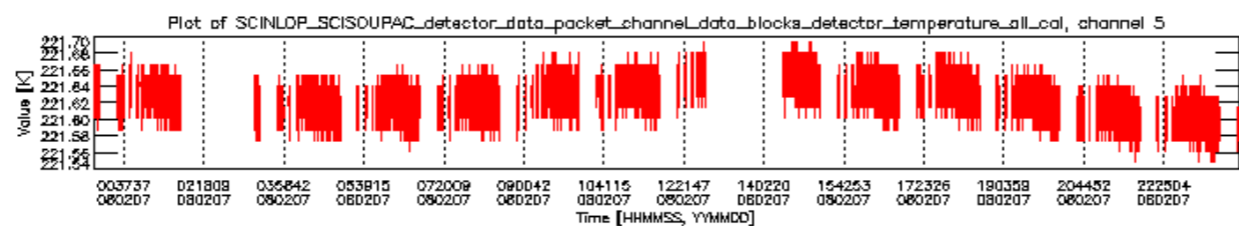
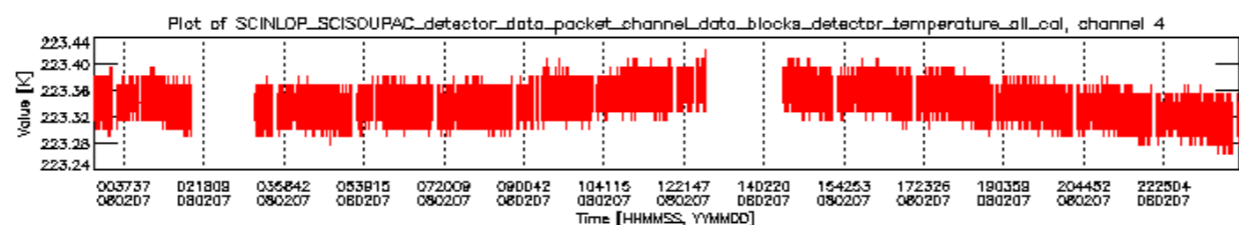
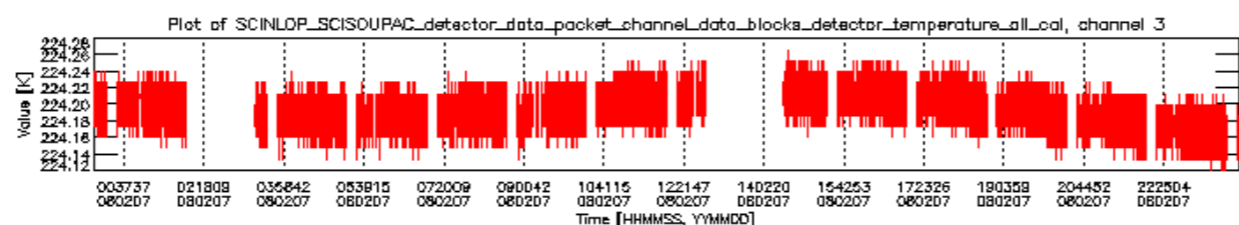
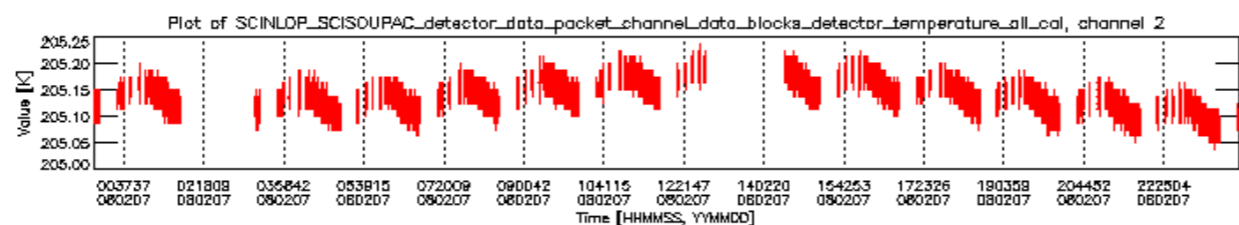
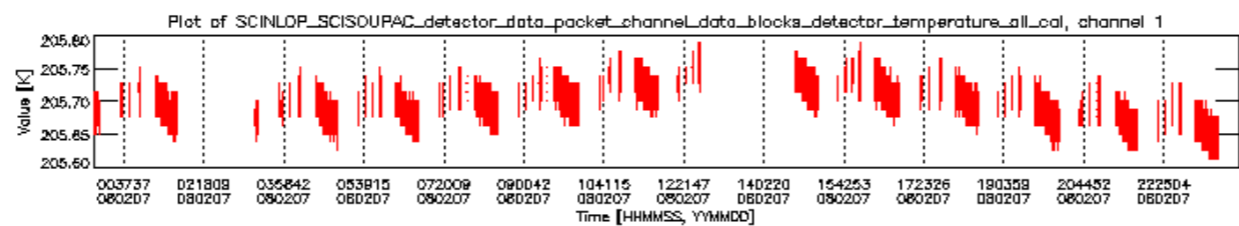
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080207_8.PNG

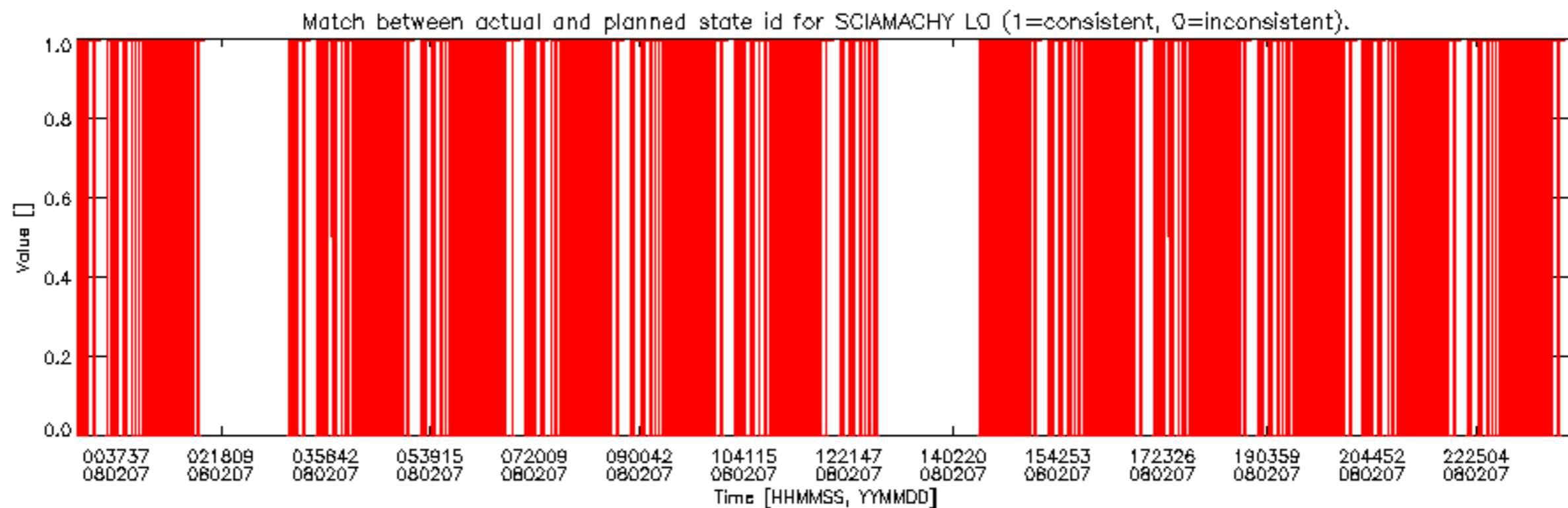
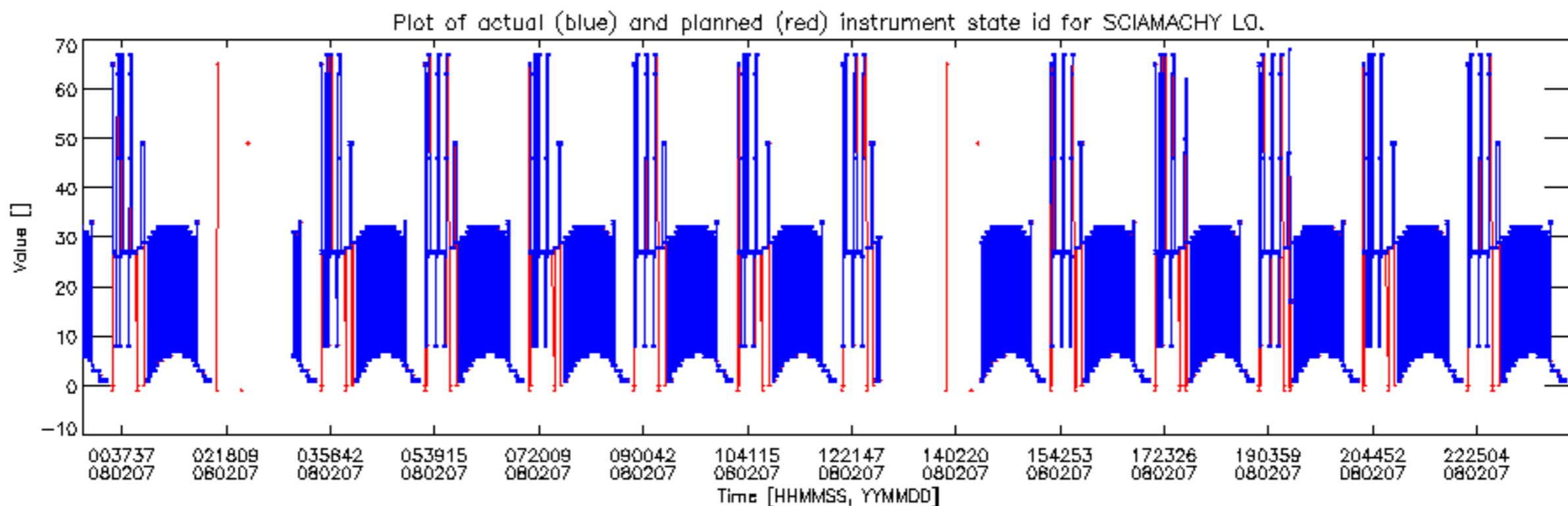


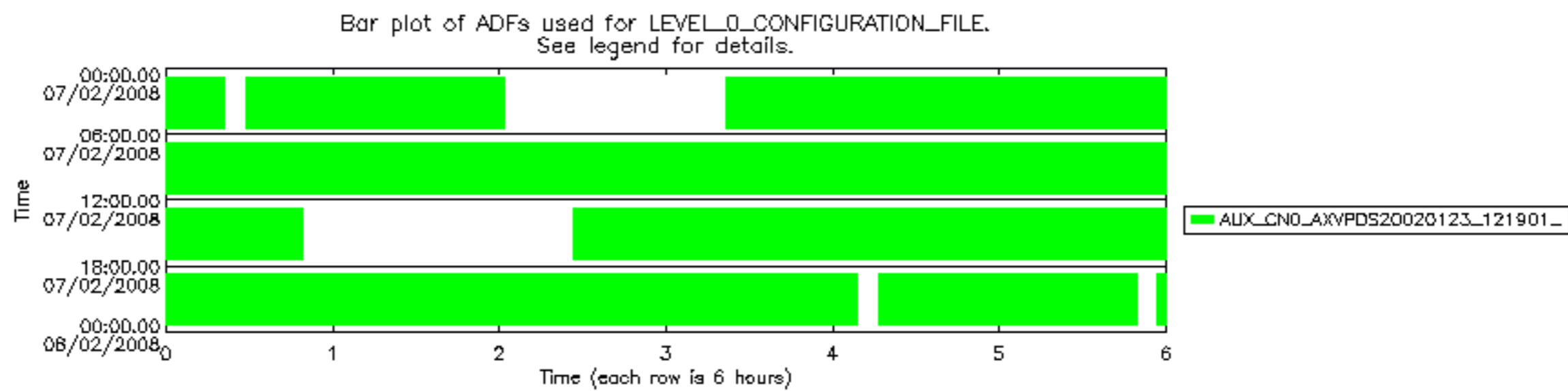












Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

