

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	31JAN2008 11:50:47
Data source version	KSPT_L0/4303-N
Processing scope for products	27JAN2008 00:00:00 to 28JAN2008 00:00:00
Start time of first product within scope	26JAN2008 23:35:01
Stop time of last product within scope	28JAN2008 00:36:26
Total number of level 0 products	17
Number of level 0 products with errors	1

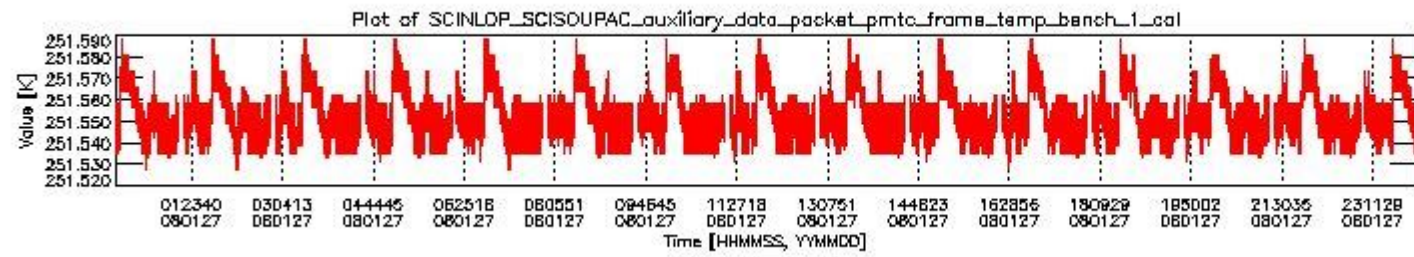
0.1.2 Summary per product

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

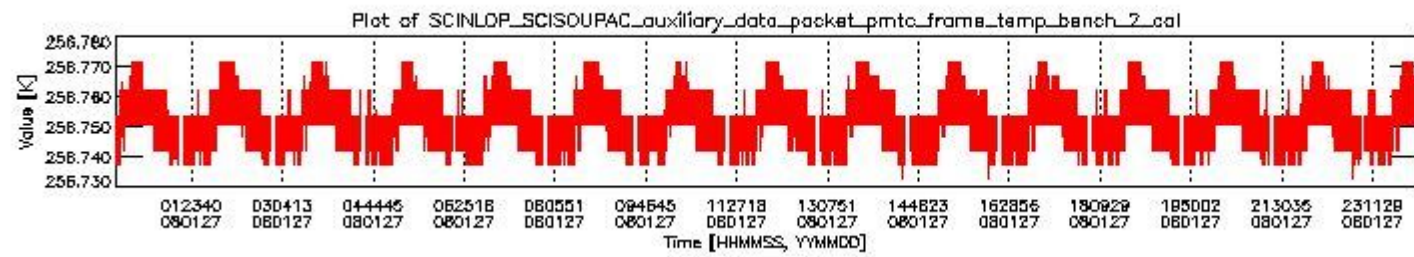
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080126_233501_000055882065_00273_30888_6015.N1	26JAN2008 23:35:01	27JAN2008 01:08:08	0	0	0	0	0
1	SCI_NL__OPNPDE20080127_011536_000043482065_00274_30889_6016.N1	27JAN2008 01:15:36	27JAN2008 02:28:05	0	0	0	0	0
2	SCI_NL__OPNPDE20080127_022805_000057872065_00275_30890_6017.N1	27JAN2008 02:28:05	27JAN2008 04:04:31	0	0	0	0	0
3	SCI_NL__OPNPDE20080127_040323_000061042065_00276_30891_6018.N1	27JAN2008 04:03:23	27JAN2008 05:45:07	0	0	0	0	0
4	SCI_NL__OPNPDE20080127_054507_000062162065_00277_30892_6019.N1	27JAN2008 05:45:07	27JAN2008 07:28:43	0	0	0	0	0
5	SCI_NL__OPNPDK20080127_072843_000038642065_00278_30893_7233.N1	27JAN2008 07:28:43	27JAN2008 08:33:07	0	0	0	0	0
6	SCI_NL__OPNPDK20080127_083211_000062162065_00279_30894_7234.N1	27JAN2008 08:32:11	27JAN2008 10:15:47	0	0	0	0	0
7	SCI_NL__OPNPDK20080127_101438_000059802065_00280_30895_7235.N1	27JAN2008 10:14:38	27JAN2008 11:54:18	0	0	0	0	0
8	SCI_NL__OPNPDK20080127_115214_000060912065_00281_30896_7236.N1	27JAN2008 11:52:14	27JAN2008 13:33:45	0	0	0	0	0
9	SCI_NL__OPNPDK20080127_133249_000057302065_00282_30897_7237.N1	27JAN2008 13:32:49	27JAN2008 15:08:19	0	0	0	0	0
10	SCI_NL__OPNPDK20080127_150819_000060362065_00283_30898_7238.N1	27JAN2008 15:08:19	27JAN2008 16:48:55	0	0	0	0	0
11	SCI_NL__OPNPDK20080127_164855_000050862065_00284_30899_7239.N1	27JAN2008 16:48:55	27JAN2008 18:13:41	1	0	1	0	0
12	SCI_NL__OPNPDK20080127_181341_000007812065_00285_30900_7240.N1	27JAN2008 18:13:41	27JAN2008 18:26:42	0	0	0	0	0
13	SCI_NL__OPNPDK20080127_182546_000060362065_00285_30900_7241.N1	27JAN2008 18:25:46	27JAN2008 20:06:21	0	0	0	0	0
14	SCI_NL__OPNPDE20080127_200621_000041622065_00286_30901_6020.N1	27JAN2008 20:06:21	27JAN2008 21:15:43	0	0	0	0	0
15	SCI_NL__OPNPDE20080127_211543_000060192065_00286_30901_6021.N1	27JAN2008 21:15:43	27JAN2008 22:56:03	0	0	0	0	0
16	SCI_NL__OPNPDE20080127_230319_000055872065_00287_30902_6022.N1	27JAN2008 23:03:19	28JAN2008 00:36:26	0	0	0	0	0

0.2 Product Quality Indicators

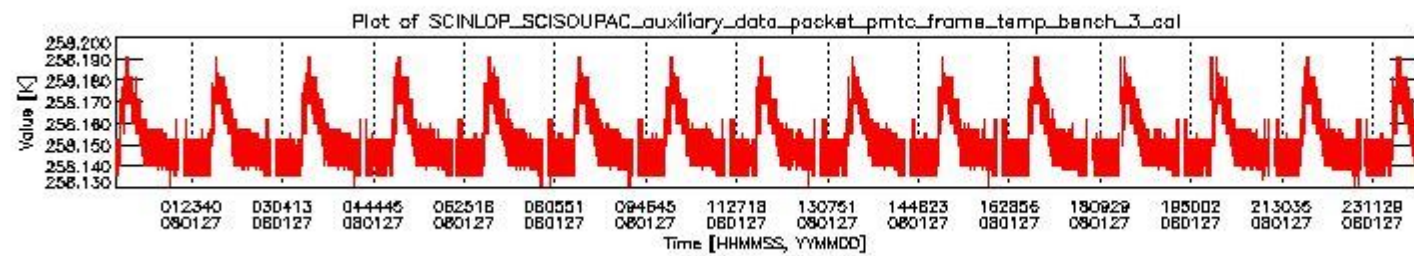
This section shows information about product quality, currently temperatures.



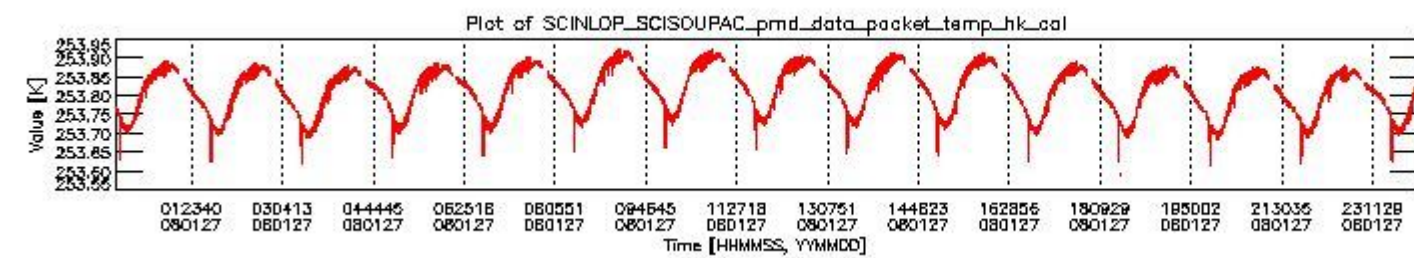
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080127_0.PNG



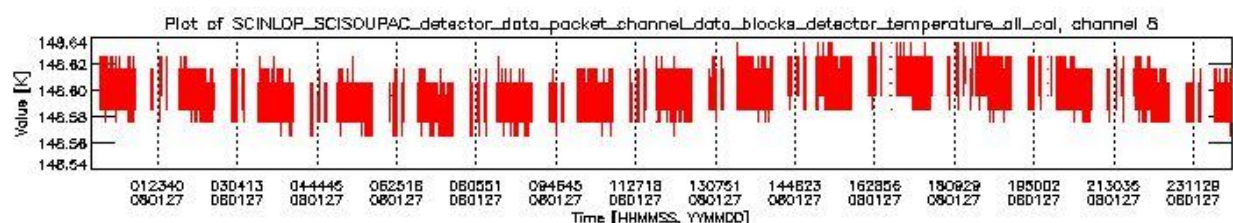
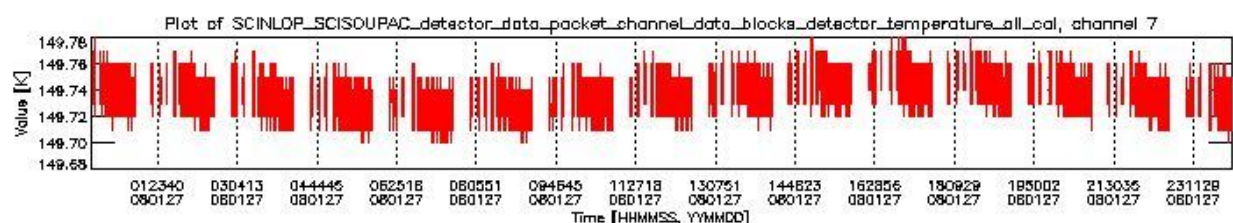
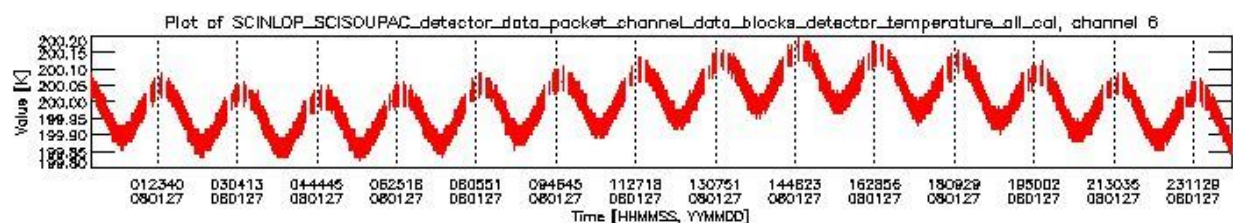
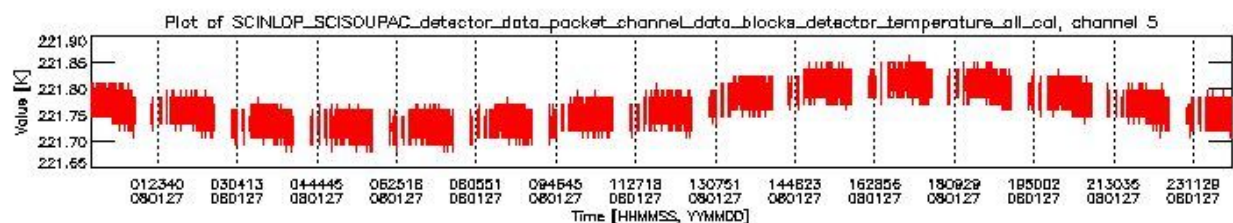
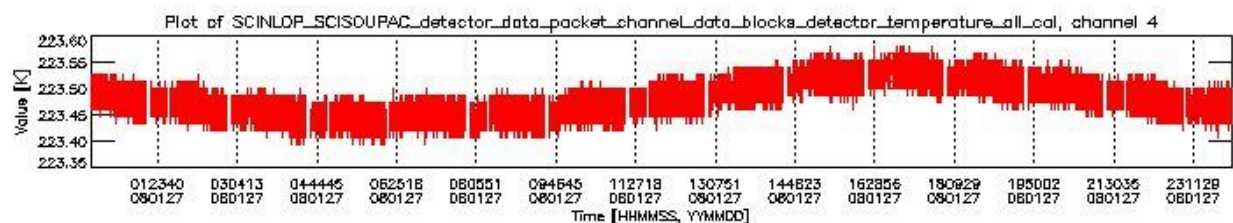
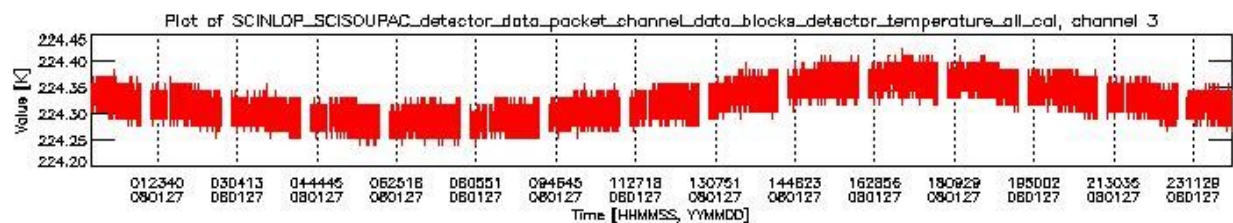
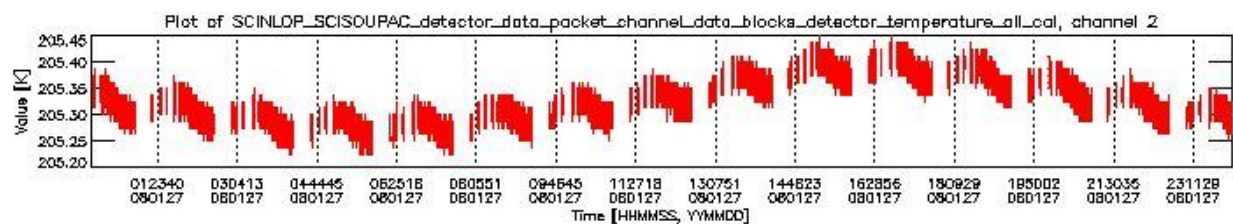
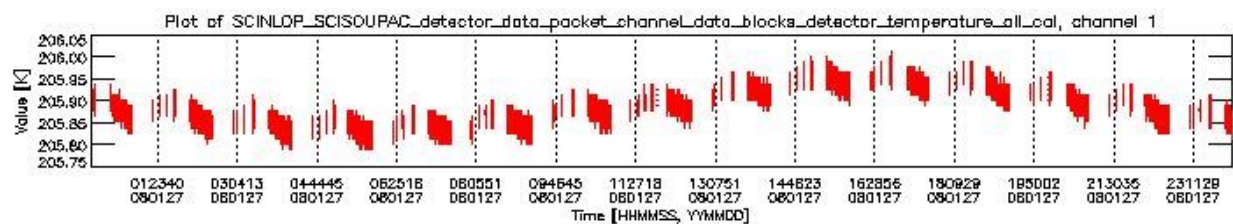
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080127_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080127_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080127_3.PNG

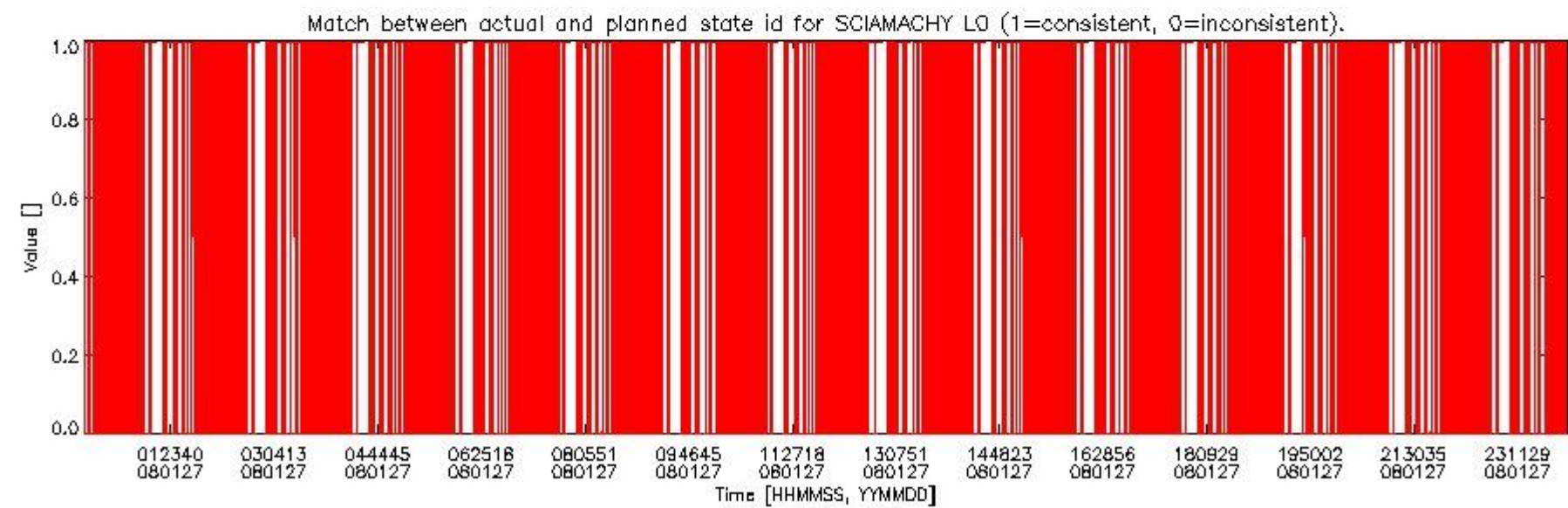
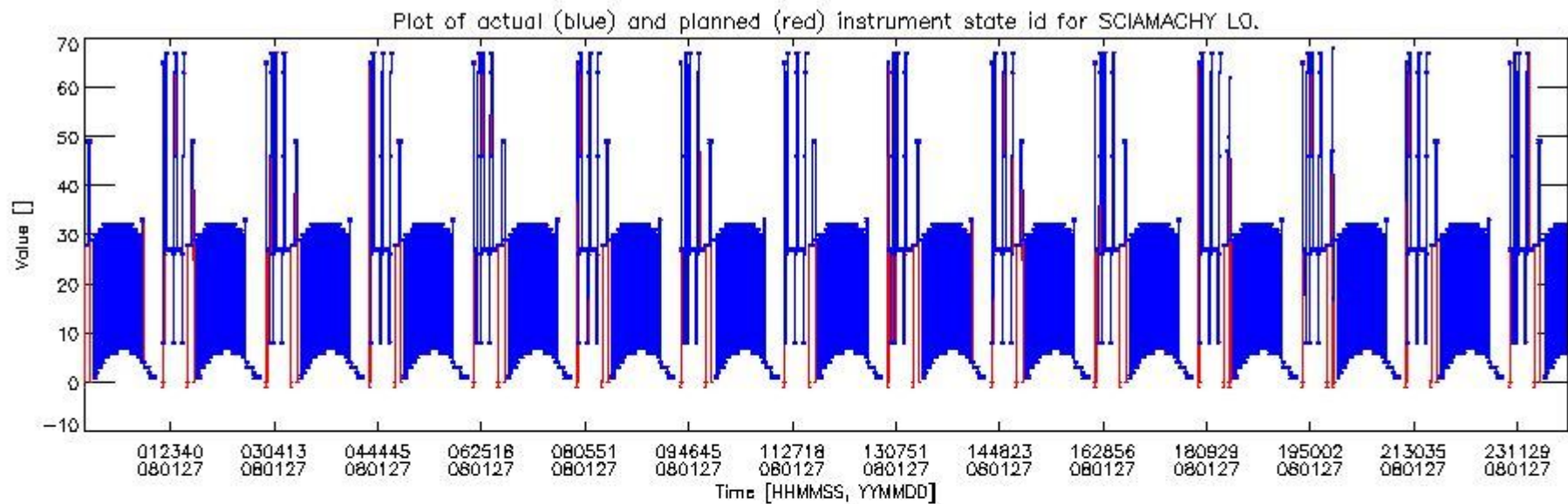


0.3 State monitoring

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: **39078**

#	Actual time	Actual value	Planned time	Planned value
0	27JAN2008 00:02:59.852535	49	27JAN2008 00:02:59.852535	28
1	27JAN2008 00:03:00.040021	49	27JAN2008 00:03:00.040021	28
2	27JAN2008 00:03:00.102544	49	27JAN2008 00:03:00.102544	28
3	27JAN2008 00:03:00.165026	49	27JAN2008 00:03:00.165026	28
4	27JAN2008 00:03:00.227548	49	27JAN2008 00:03:00.227548	28
5	27JAN2008 00:03:00.290030	49	27JAN2008 00:03:00.290030	28
6	27JAN2008 00:03:00.352552	49	27JAN2008 00:03:00.352552	28
7	27JAN2008 00:03:00.415034	49	27JAN2008 00:03:00.415034	28
8	27JAN2008 00:03:00.477516	49	27JAN2008 00:03:00.477516	28
9	27JAN2008 00:03:00.540039	49	27JAN2008 00:03:00.540039	28
10	27JAN2008 00:03:00.602521	49	27JAN2008 00:03:00.602521	28
11	27JAN2008 00:03:00.665043	49	27JAN2008 00:03:00.665043	28
12	27JAN2008 00:03:00.727525	49	27JAN2008 00:03:00.727525	28
13	27JAN2008 00:03:00.790047	49	27JAN2008 00:03:00.790047	28
14	27JAN2008 00:03:00.852529	49	27JAN2008 00:03:00.852529	28
15	27JAN2008 00:03:00.915052	49	27JAN2008 00:03:00.915052	28
16	27JAN2008 00:03:00.977534	49	27JAN2008 00:03:00.977534	28
17	27JAN2008 00:03:01.040016	49	27JAN2008 00:03:01.040016	28
18	27JAN2008 00:03:01.102538	49	27JAN2008 00:03:01.102538	28
19	27JAN2008 00:03:01.165020	49	27JAN2008 00:03:01.165020	28

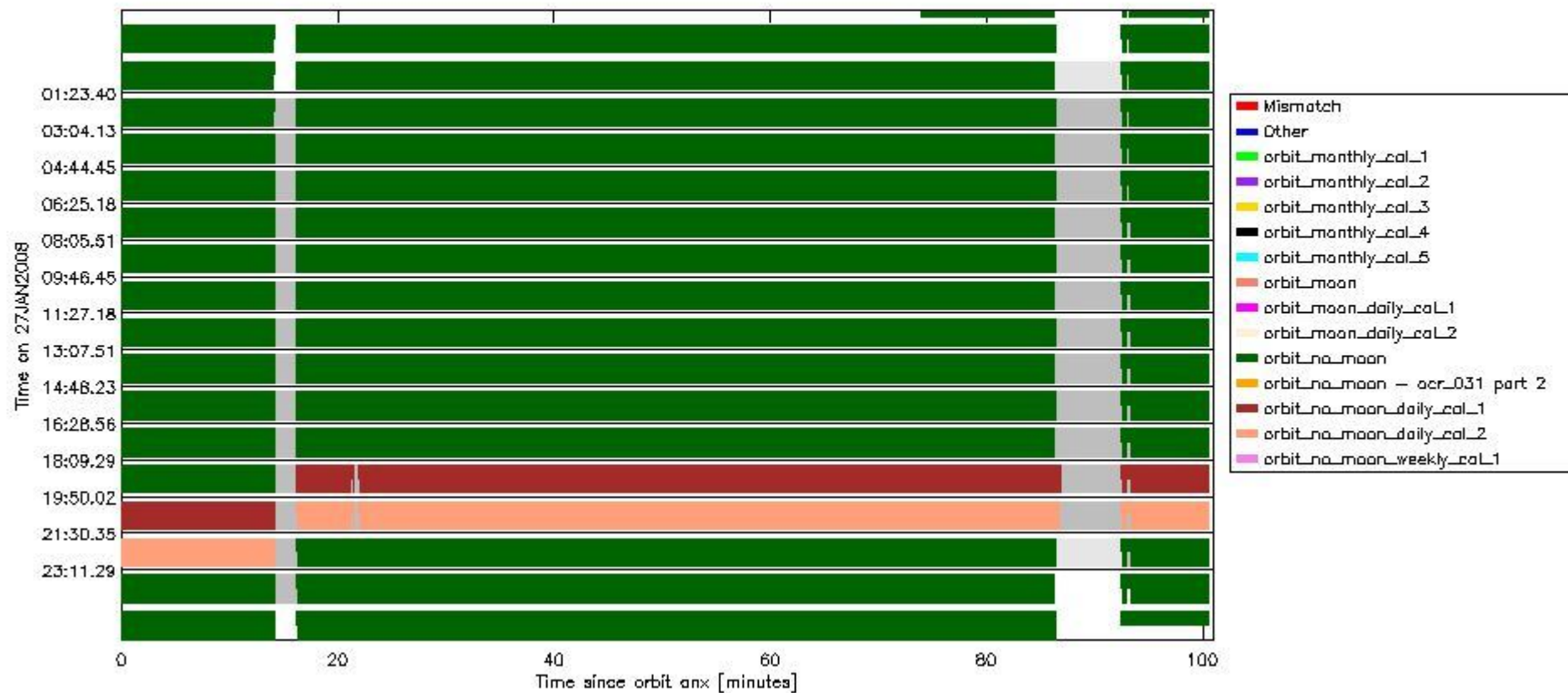


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080127_5.PNG

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 27JAN2008.
 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_20080127_6.PNG

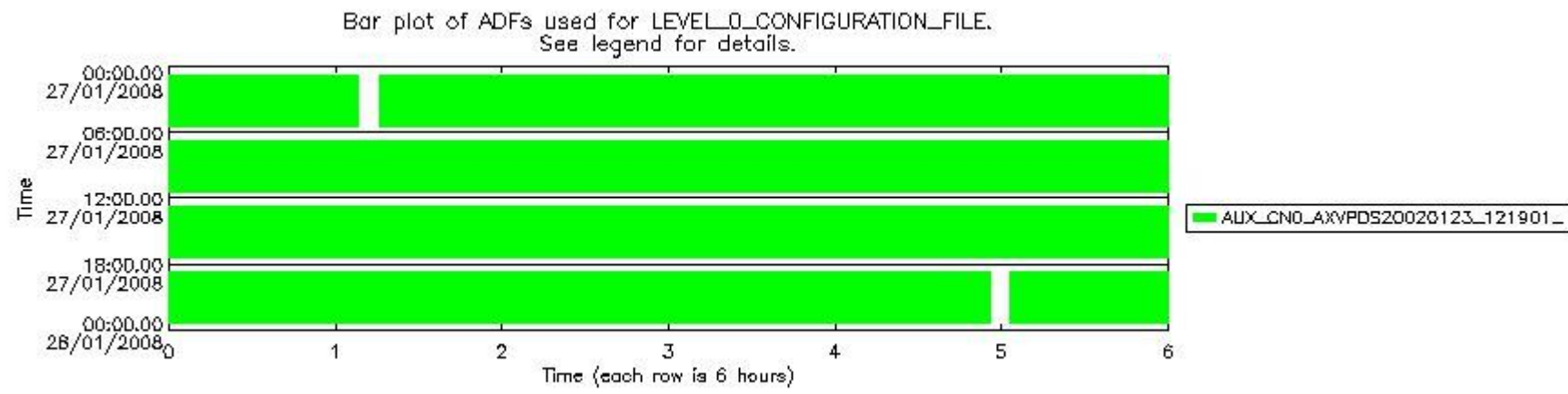
0.4 ADF monitoring

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

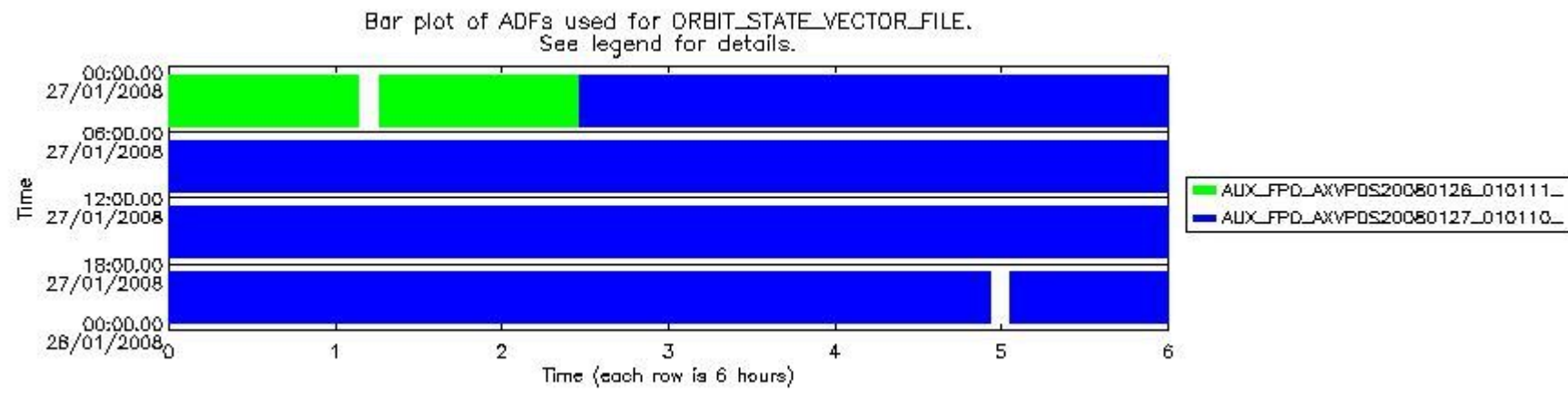
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

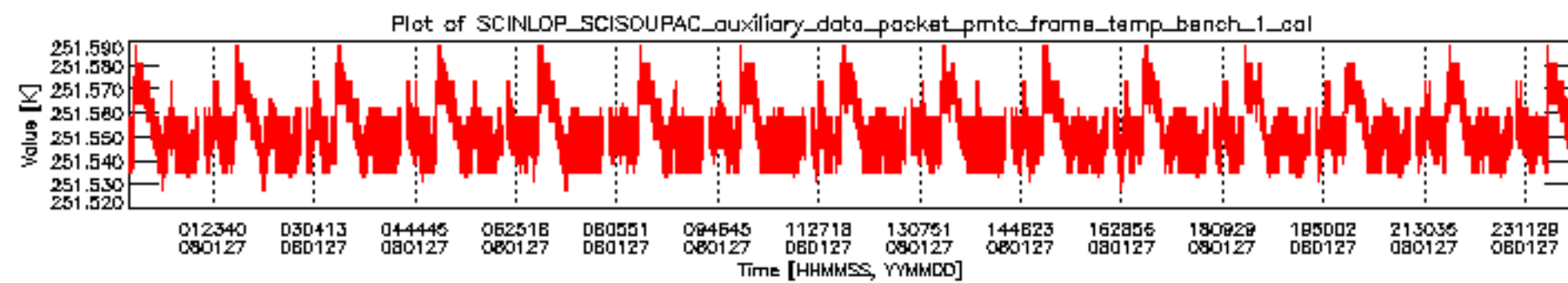
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080126_010111_20080125_191248_20080204_203901
2	AUX_FPO_AXVPDS20080127_010110_20080126_184111_20080205_200724

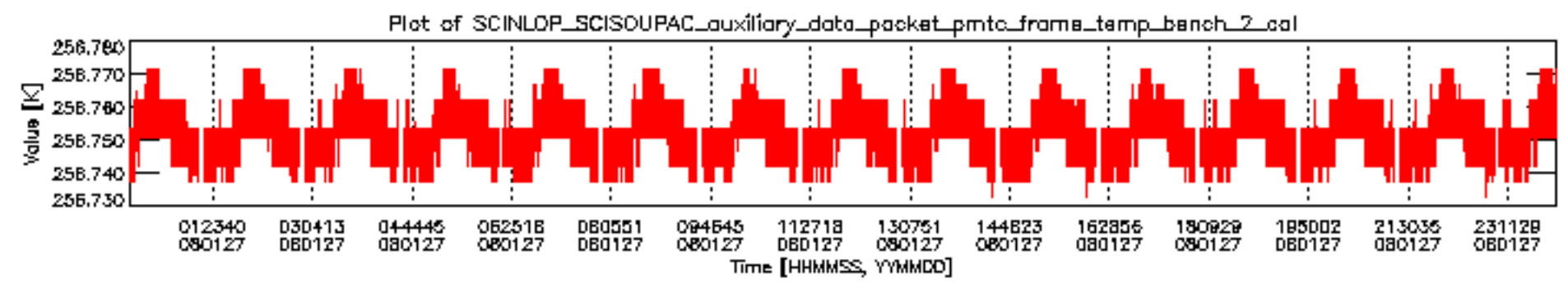


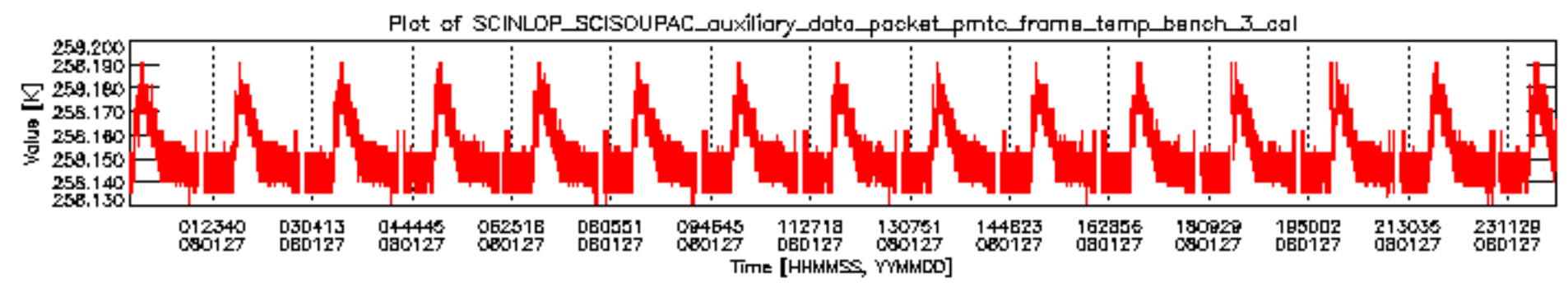
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080127_7.PNG

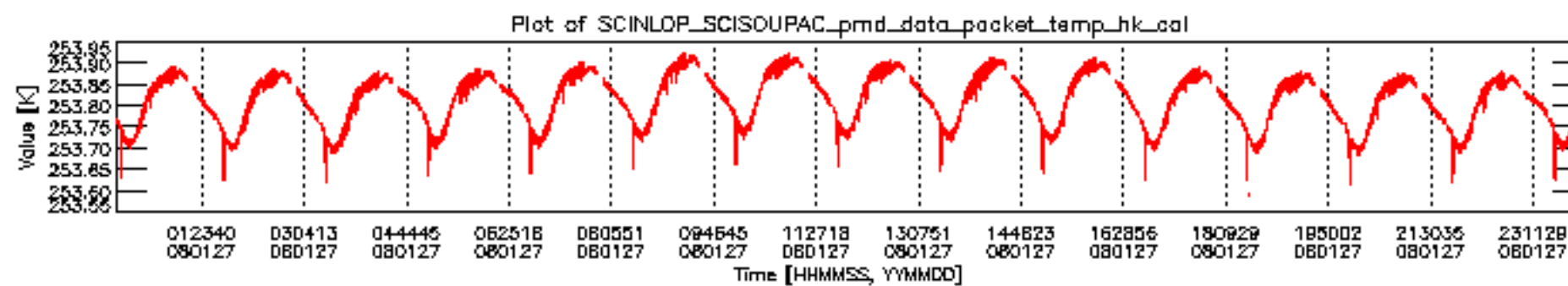


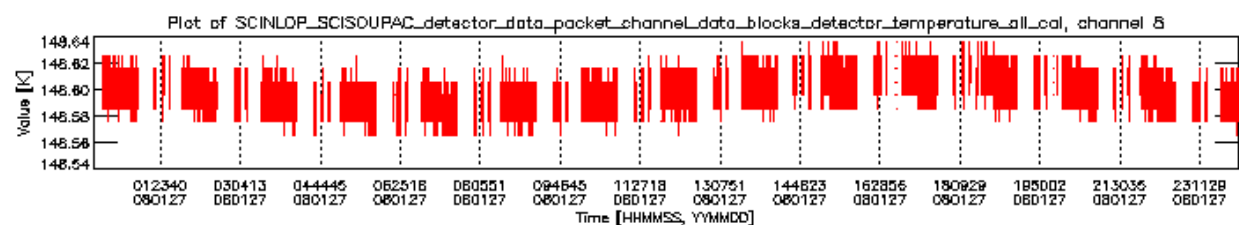
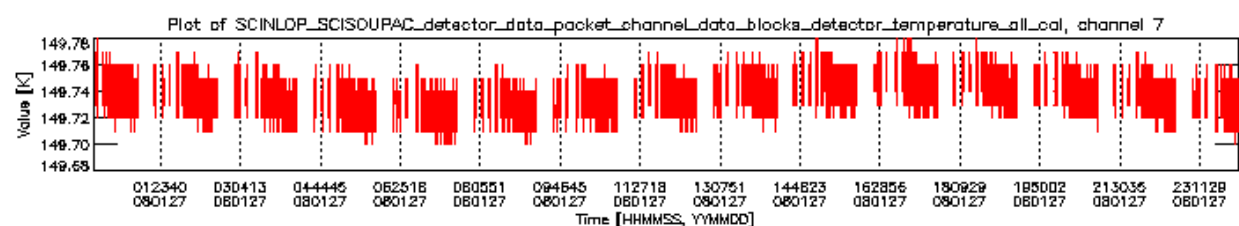
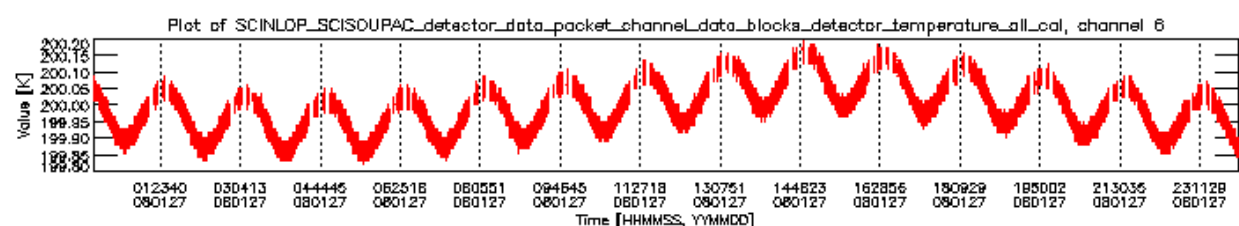
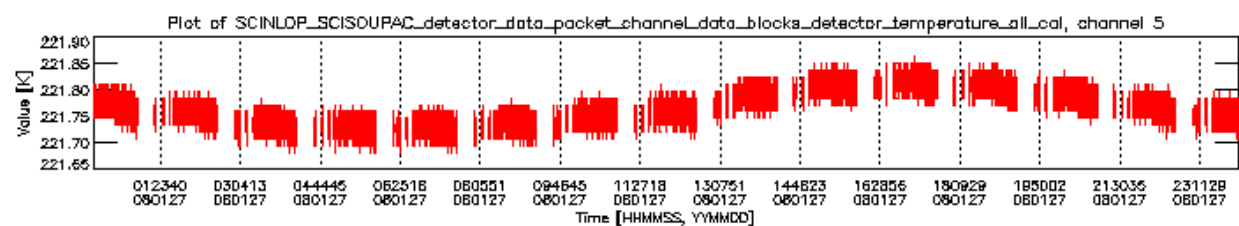
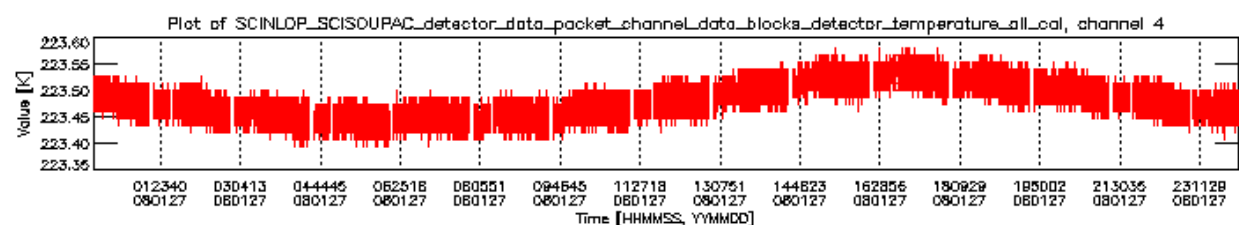
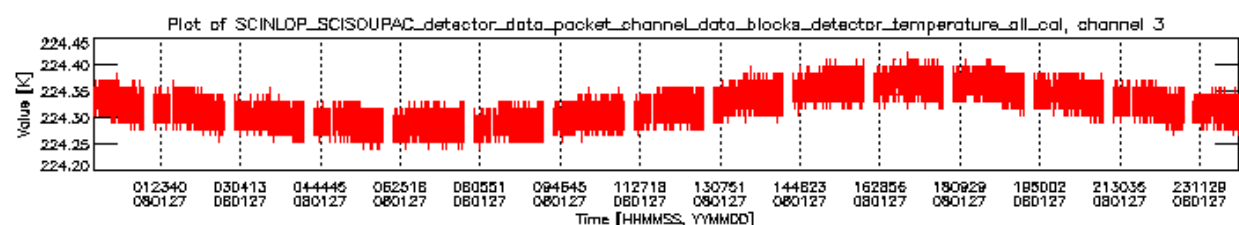
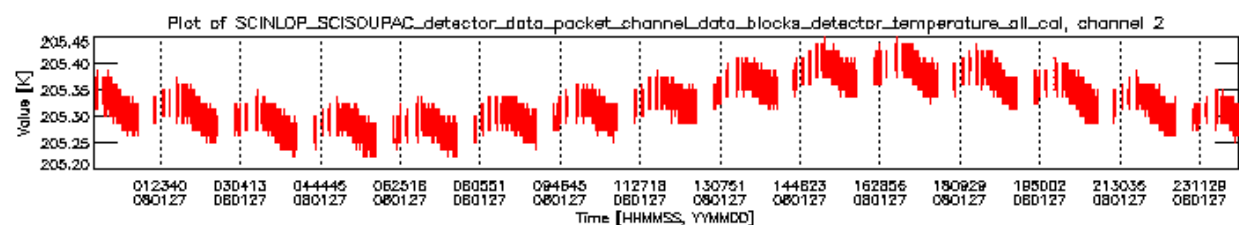
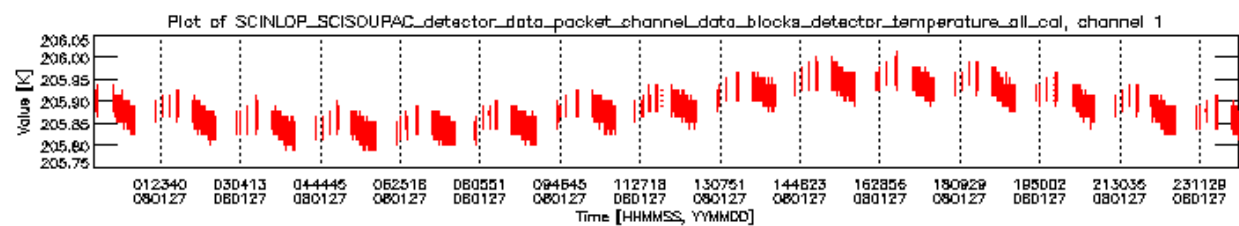
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080127_8.PNG

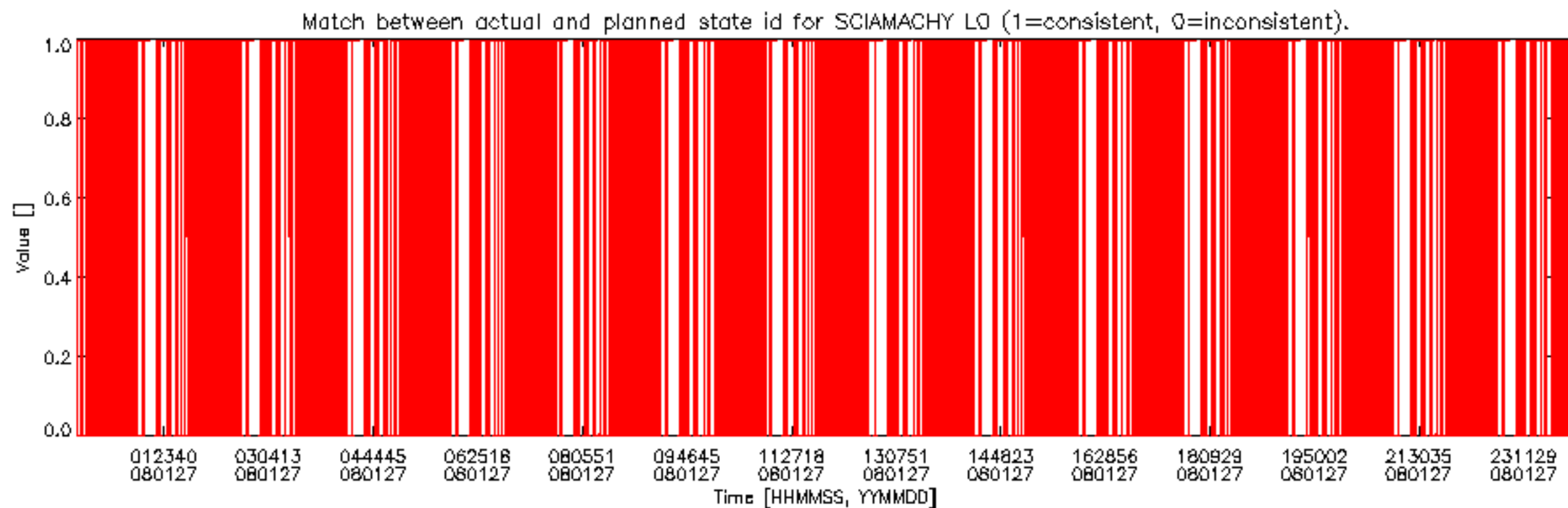
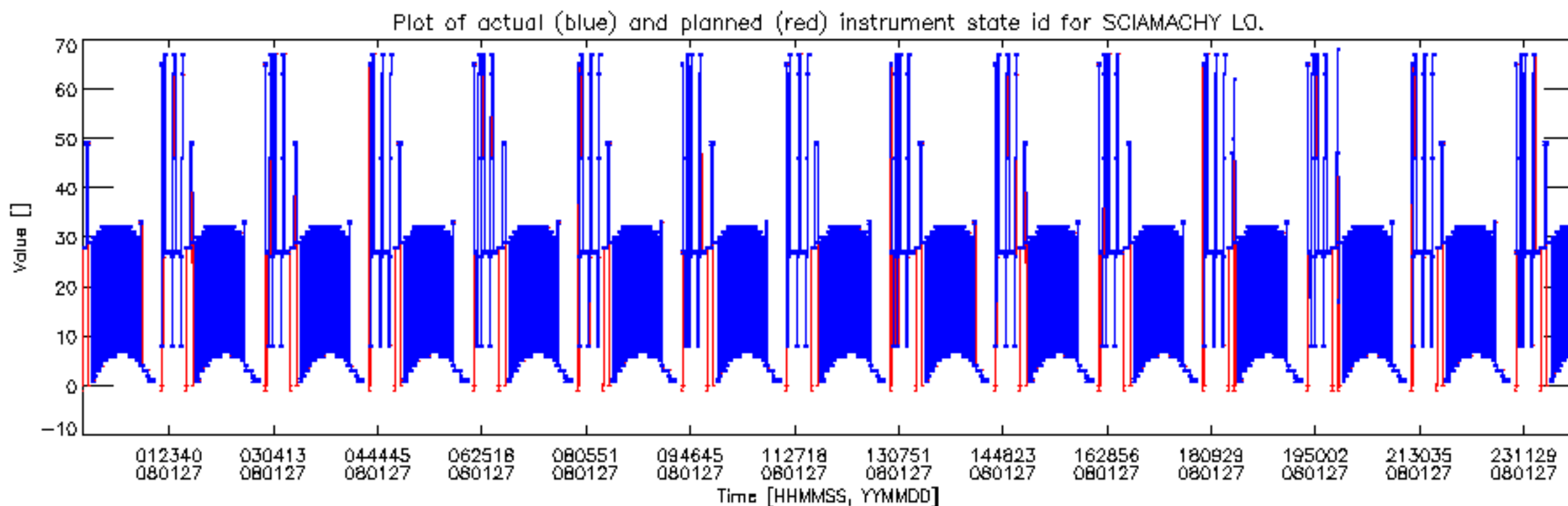












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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