

0. SCIAMACHY Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Product Quality Indicators](#)

[0.3 State monitoring](#)

[0.4 ADF monitoring](#)

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	28JAN2008 08:17:36
Data source version	KSPT_L0/4303-N
Processing scope for products	26JAN2008 00:00:00 to 27JAN2008 00:00:00
Start time of first product within scope	26JAN2008 06:15:53
Stop time of last product within scope	27JAN2008 01:08:08
Total number of level 0 products	12
Number of level 0 products with errors	0

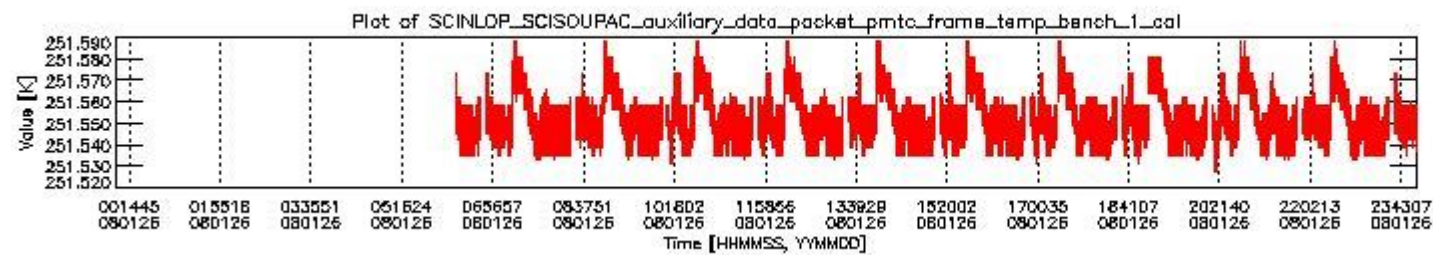
0.1.2 Summary per product

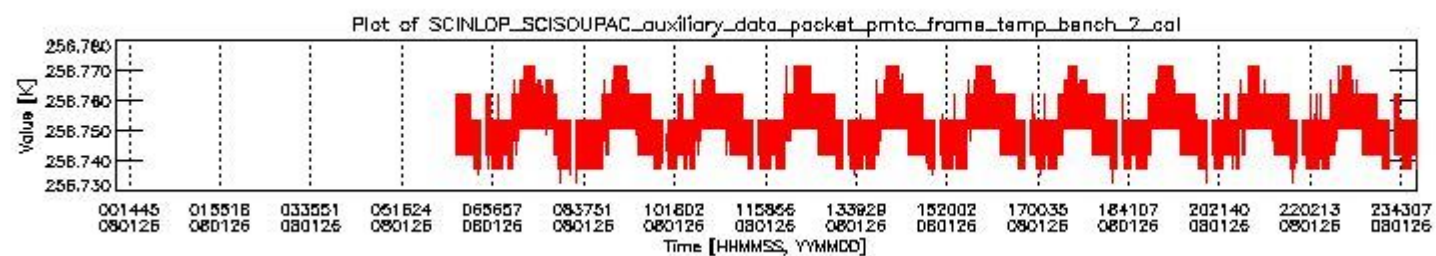
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPKD20080126_061553_000041562065_00263_30878_7224.N1	26JAN2008 06:15:53	26JAN2008 07:25:10	0	0	0	0	0
1	SCI_NL__OPNPKD20080126_072414_000061602065_00264_30879_7225.N1	26JAN2008 07:24:14	26JAN2008 09:06:54	0	0	0	0	0
2	SCI_NL__OPNPKD20080126_090449_000060912065_00265_30880_7226.N1	26JAN2008 09:04:49	26JAN2008 10:46:21	0	0	0	0	0
3	SCI_NL__OPNPKD20080126_104525_000060352065_00266_30881_7227.N1	26JAN2008 10:45:25	26JAN2008 12:26:00	0	0	0	0	0
4	SCI_NL__OPNPKD20080126_122505_000059112065_00267_30882_7228.N1	26JAN2008 12:25:05	26JAN2008 14:03:36	0	0	0	0	0
5	SCI_NL__OPNPKD20080126_140240_000060362065_00268_30883_7229.N1	26JAN2008 14:02:40	26JAN2008 15:43:15	0	0	0	0	0
6	SCI_NL__OPNPKD20080126_154002_000059792065_00269_30884_7230.N1	26JAN2008 15:40:02	26JAN2008 17:19:40	0	0	0	0	0
7	SCI_NL__OPNPKD20080126_171749_000060362065_00270_30885_7231.N1	26JAN2008 17:17:49	26JAN2008 18:58:24	0	0	0	0	0
8	SCI_NL__OPNPKD20080126_185728_000060912065_00271_30886_7232.N1	26JAN2008 18:57:28	26JAN2008 20:39:00	0	0	0	0	0
9	SCI_NL__OPNPDE20080126_203804_000041332065_00272_30887_6013.N1	26JAN2008 20:38:04	26JAN2008 21:46:57	0	0	0	0	0
10	SCI_NL__OPNPDE20080126_215425_000056002065_00272_30887_6014.N1	26JAN2008 21:54:25	26JAN2008 23:27:45	0	0	0	0	0
11	SCI_NL__OPNPDE20080126_233501_000055882065_00273_30888_6015.N1	26JAN2008 23:35:01	27JAN2008 01:08:08	0	0	0	0	0

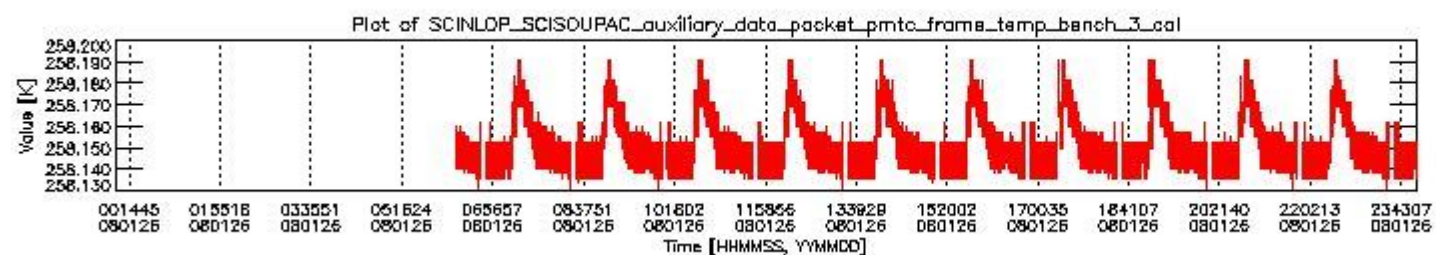
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

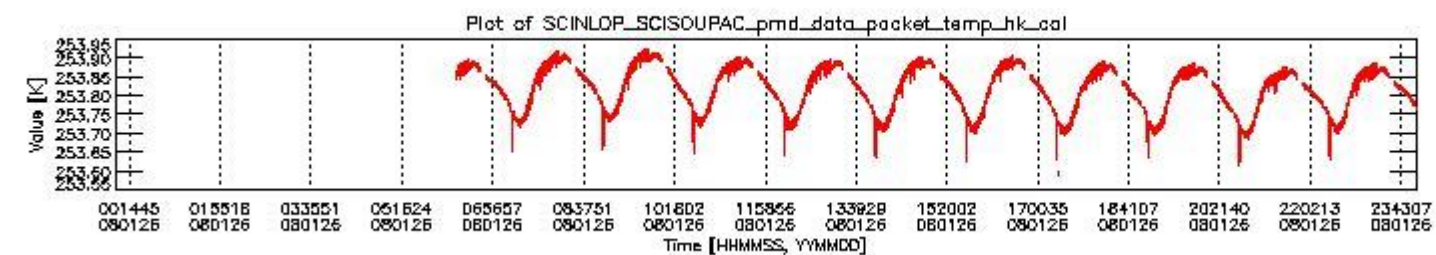




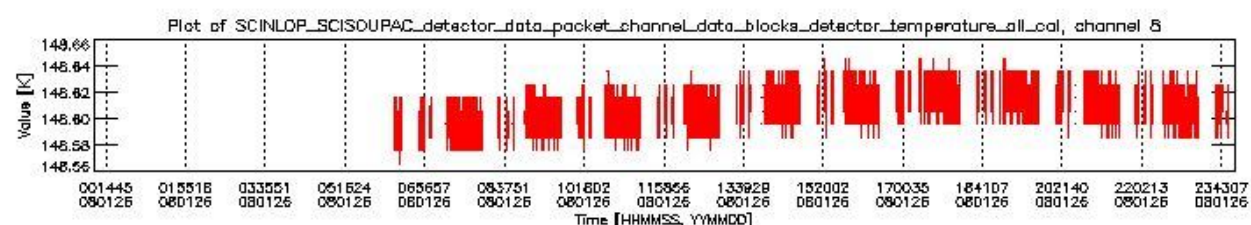
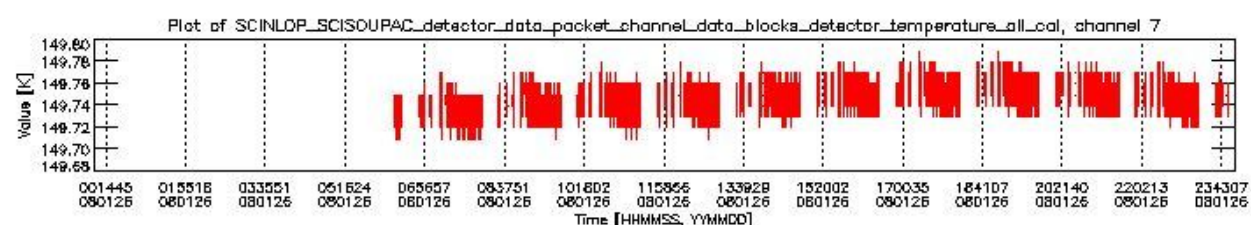
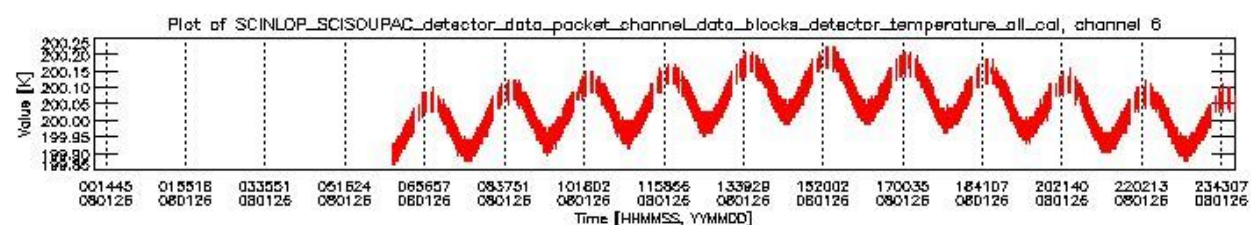
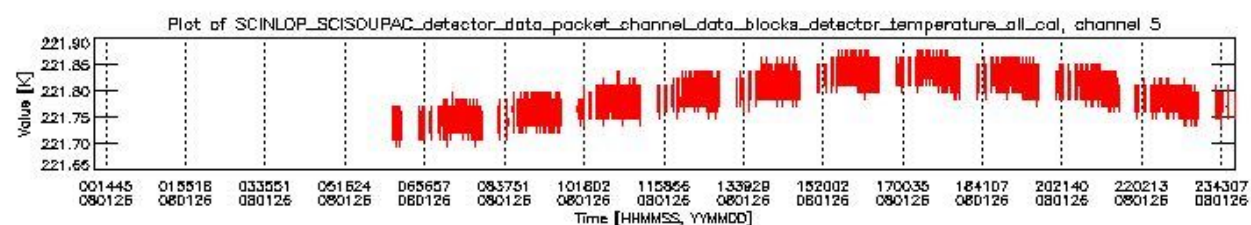
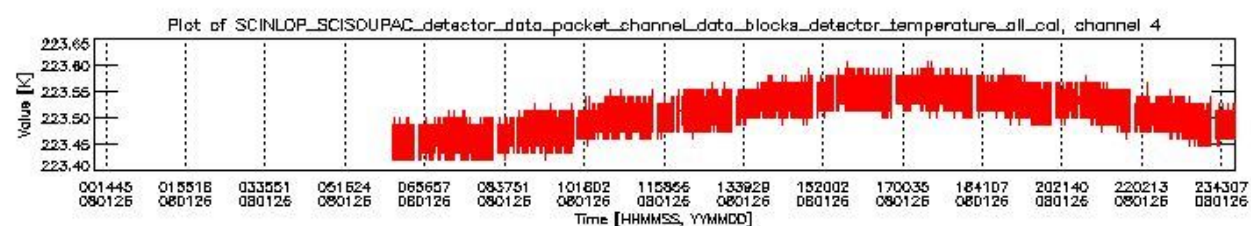
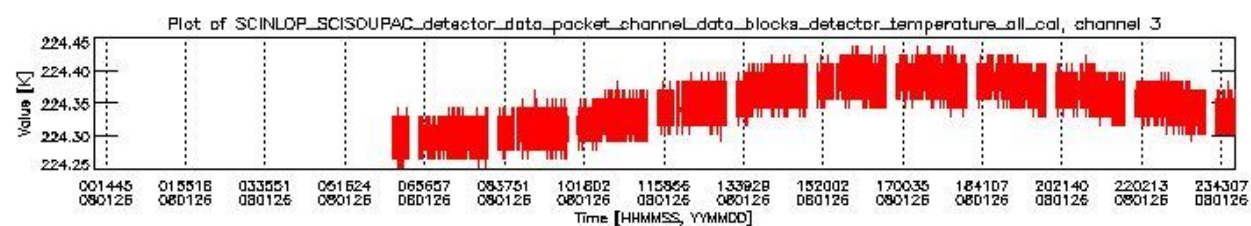
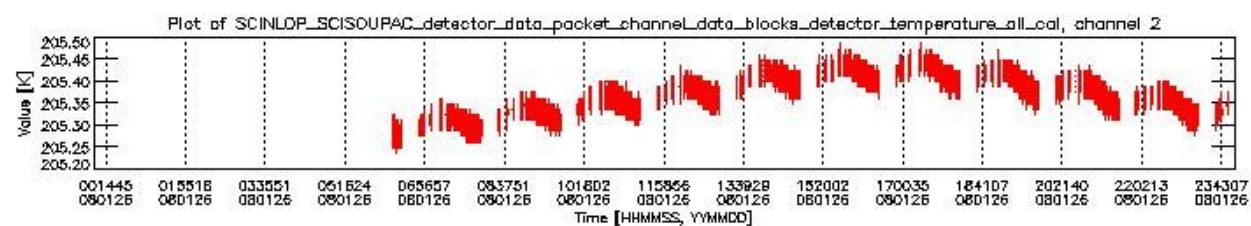
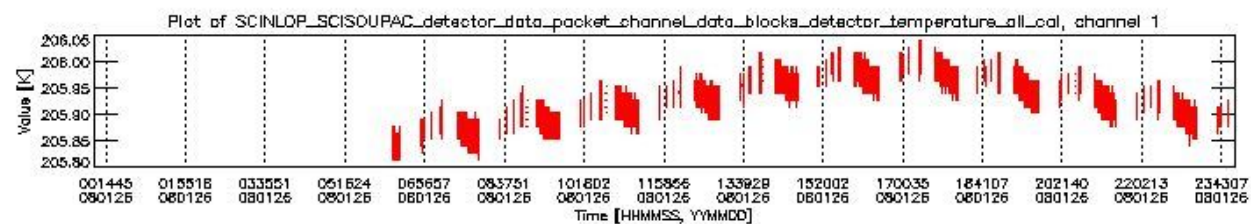
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080126_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080126_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080126_3.PNG

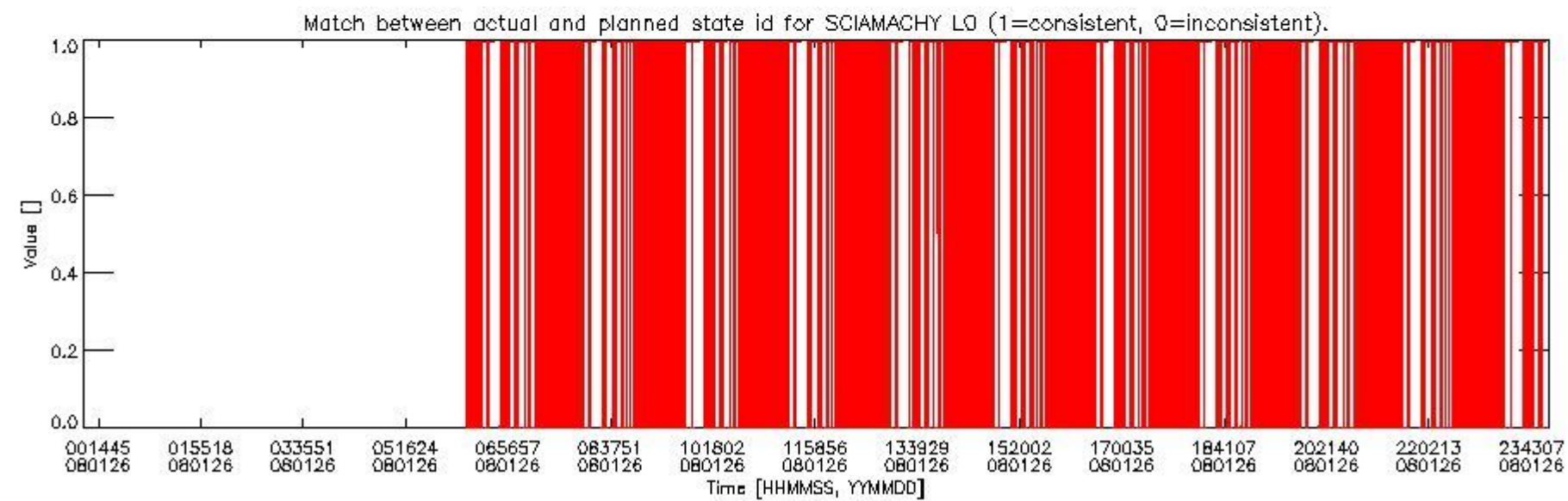
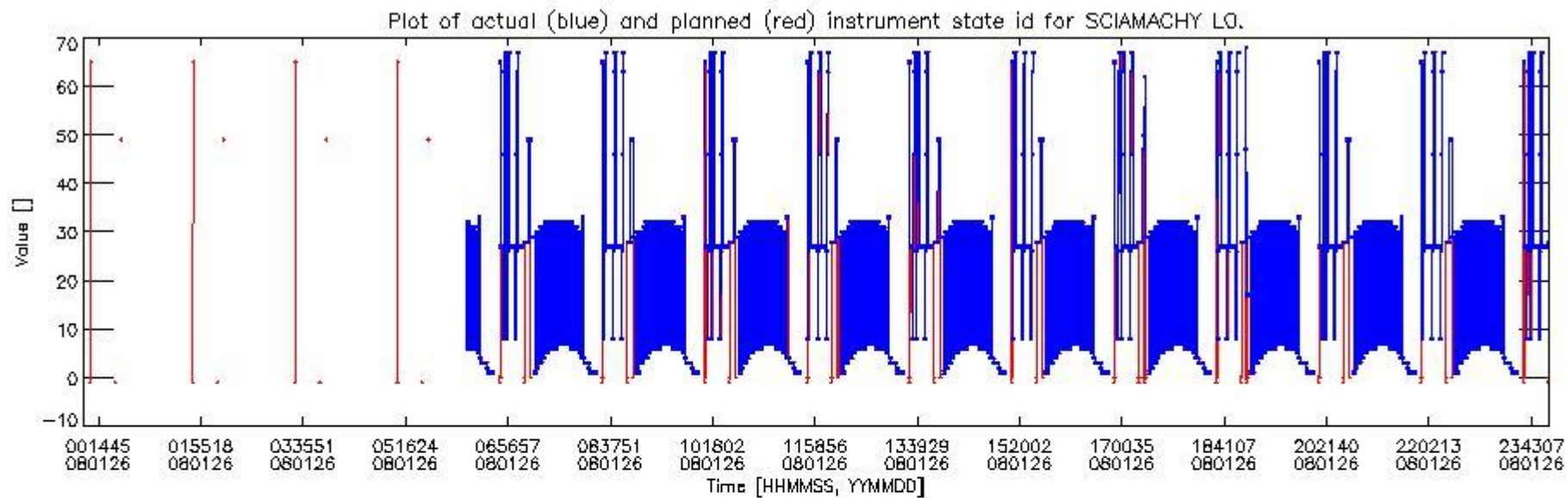


0.3 State monitoring

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: **29606**

#	Actual time	Actual value	Planned time	Planned value
0	26JAN2008 06:16:49.755376	6	26JAN2008 06:16:49.755376	32
1	26JAN2008 06:16:50.130389	6	26JAN2008 06:16:50.130389	32
2	26JAN2008 06:16:50.380358	6	26JAN2008 06:16:50.380358	32
3	26JAN2008 06:16:50.630366	6	26JAN2008 06:16:50.630366	32
4	26JAN2008 06:16:50.880375	6	26JAN2008 06:16:50.880375	32
5	26JAN2008 06:16:51.130384	6	26JAN2008 06:16:51.130384	32
6	26JAN2008 06:16:51.380392	6	26JAN2008 06:16:51.380392	32
7	26JAN2008 06:16:51.630361	6	26JAN2008 06:16:51.630361	32
8	26JAN2008 06:16:51.880369	6	26JAN2008 06:16:51.880369	32
9	26JAN2008 06:16:52.130378	6	26JAN2008 06:16:52.130378	32
10	26JAN2008 06:16:52.380387	6	26JAN2008 06:16:52.380387	32
11	26JAN2008 06:16:52.630396	6	26JAN2008 06:16:52.630396	32
12	26JAN2008 06:16:52.880364	6	26JAN2008 06:16:52.880364	32
13	26JAN2008 06:16:53.130373	6	26JAN2008 06:16:53.130373	32
14	26JAN2008 06:16:53.380381	6	26JAN2008 06:16:53.380381	32
15	26JAN2008 06:16:53.630390	6	26JAN2008 06:16:53.630390	32
16	26JAN2008 06:16:53.880359	6	26JAN2008 06:16:53.880359	32
17	26JAN2008 06:16:54.130367	6	26JAN2008 06:16:54.130367	32
18	26JAN2008 06:16:54.380376	6	26JAN2008 06:16:54.380376	32
19	26JAN2008 06:16:54.630385	6	26JAN2008 06:16:54.630385	32

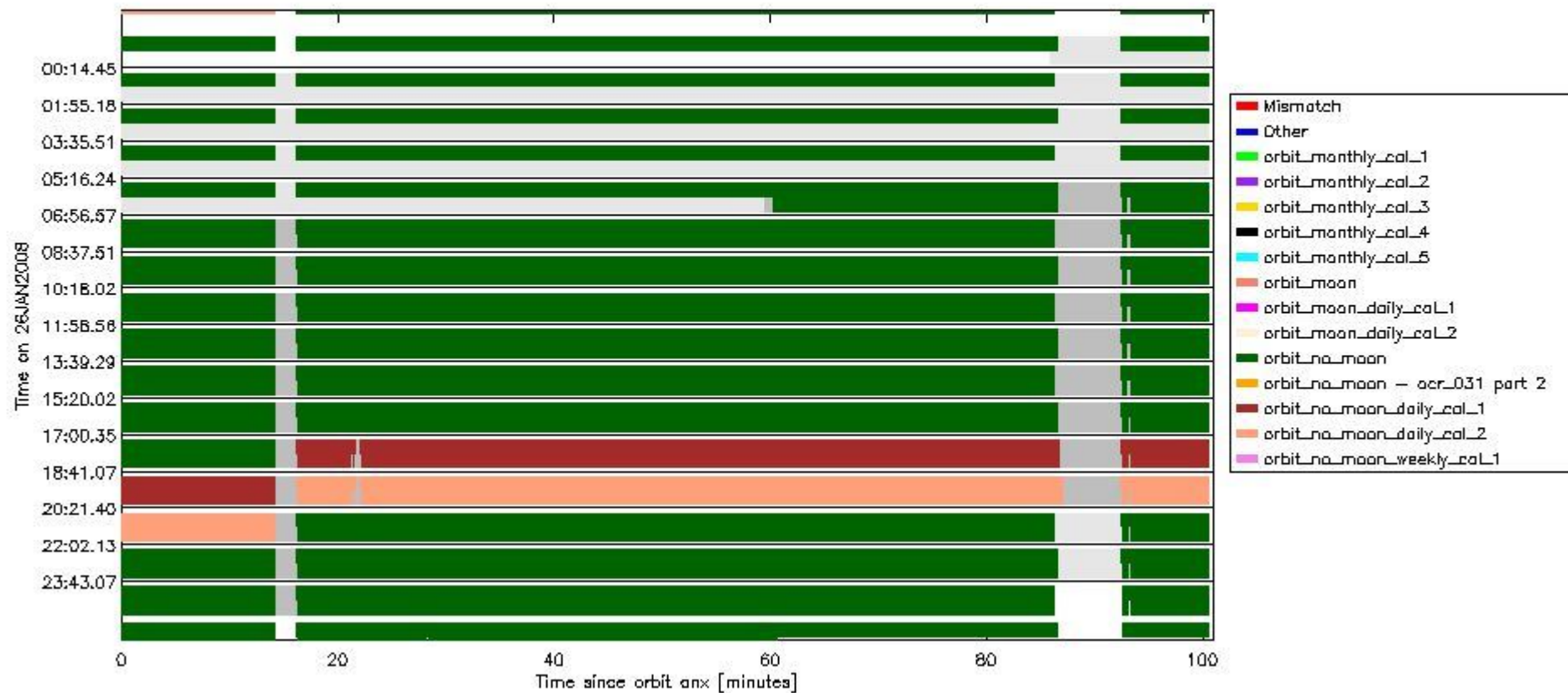


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080126_5.PNG

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 26JAN2008.
 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_20080126_6.PNG

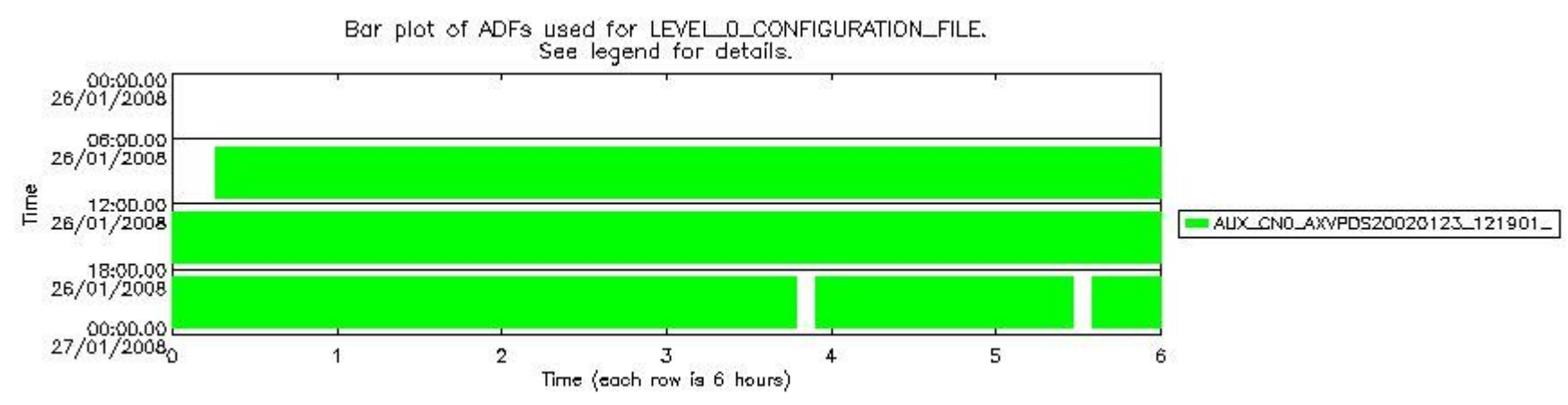
0.4 ADF monitoring

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

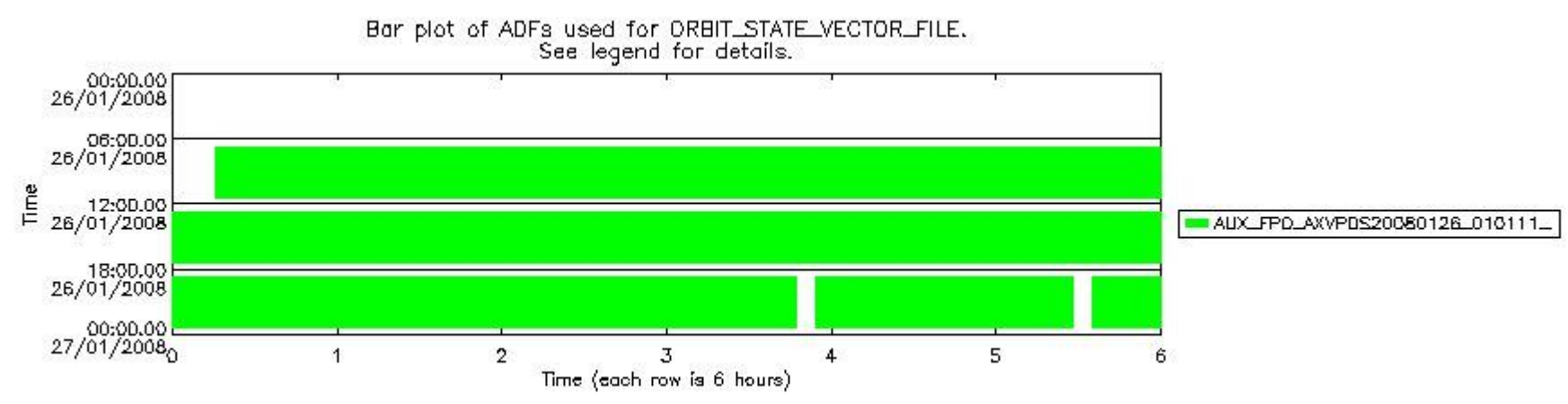
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

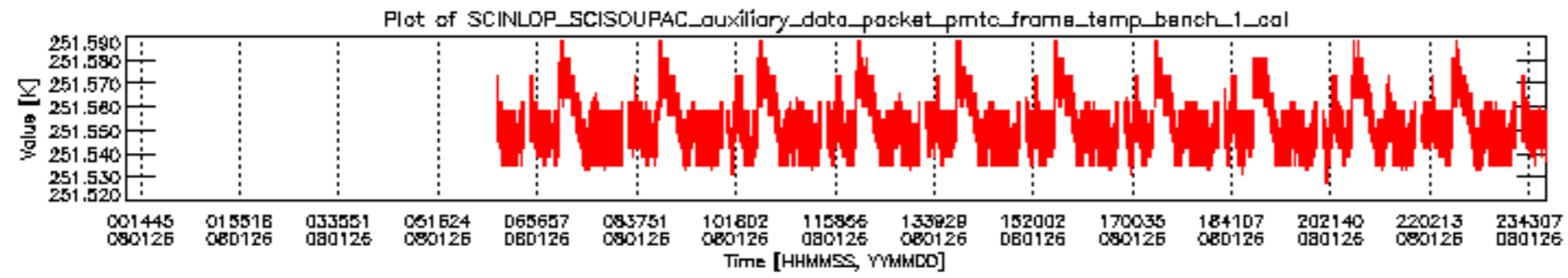
Number	ADF
	CNO (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080126_010111_20080125_191248_20080204_203901

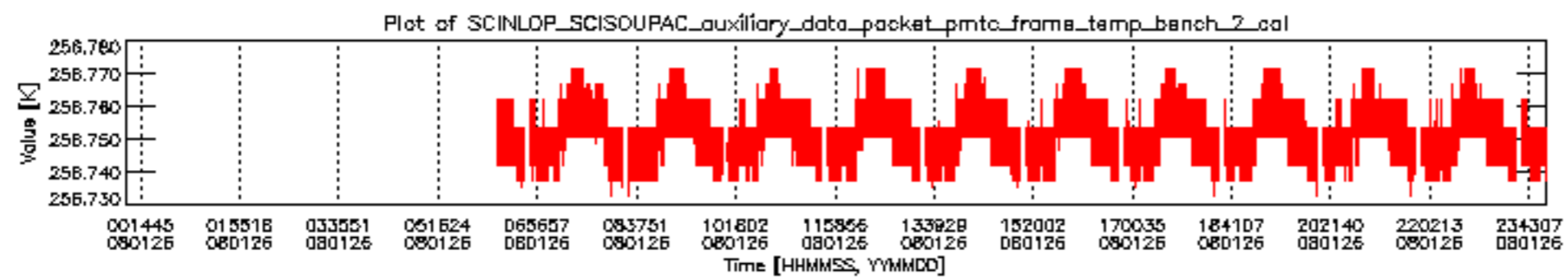


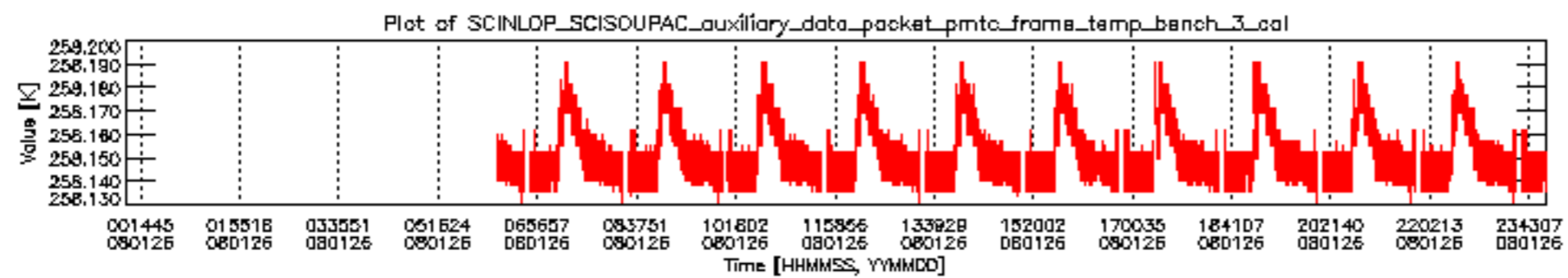
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080126_7.PNG

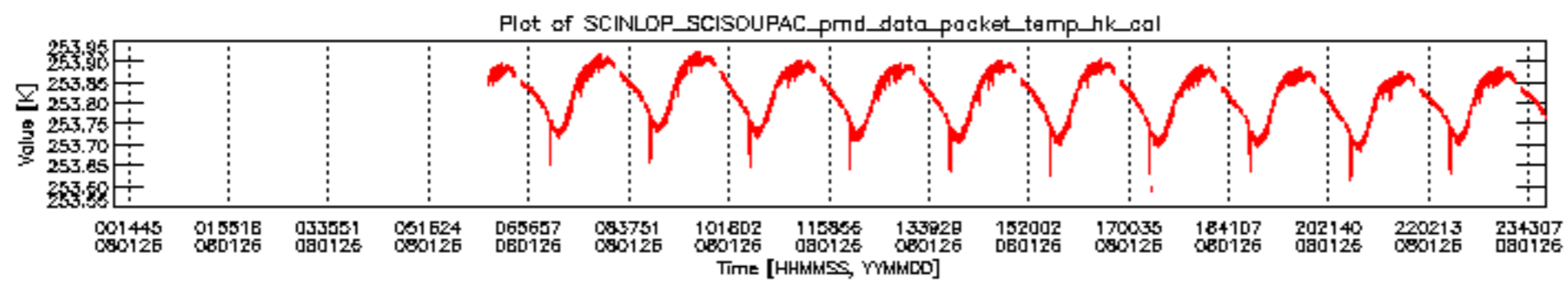


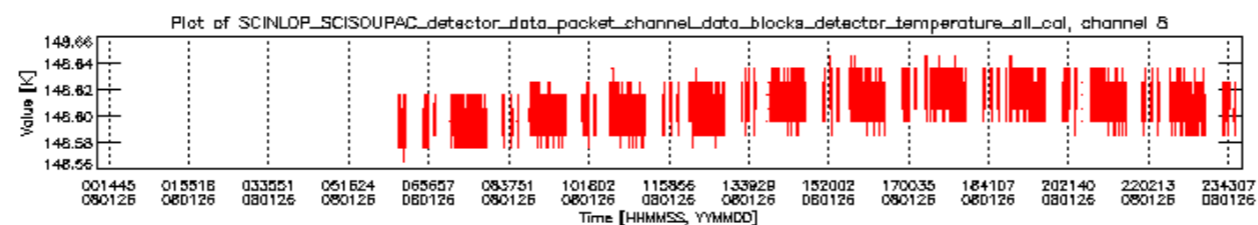
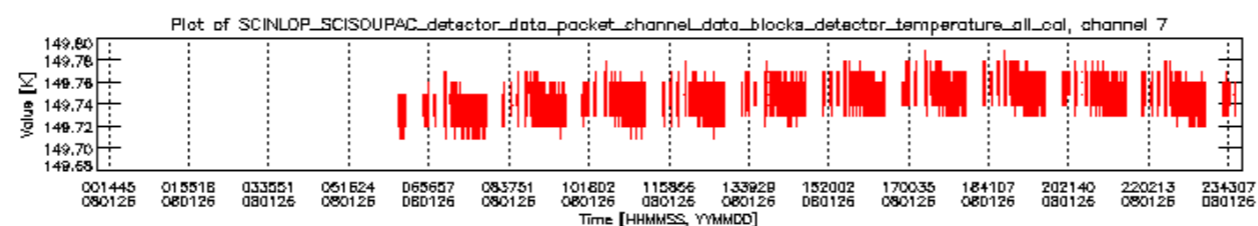
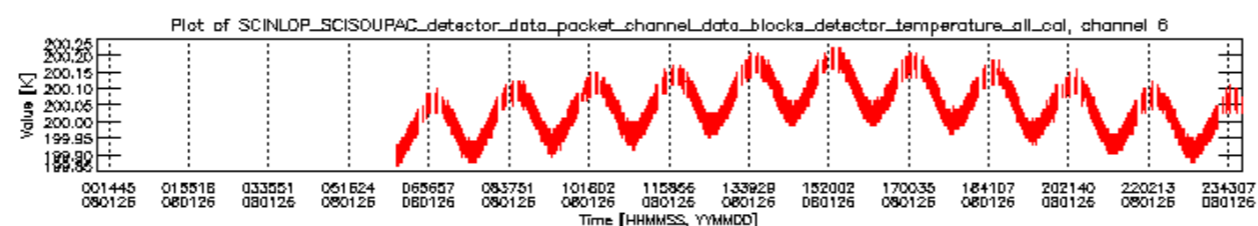
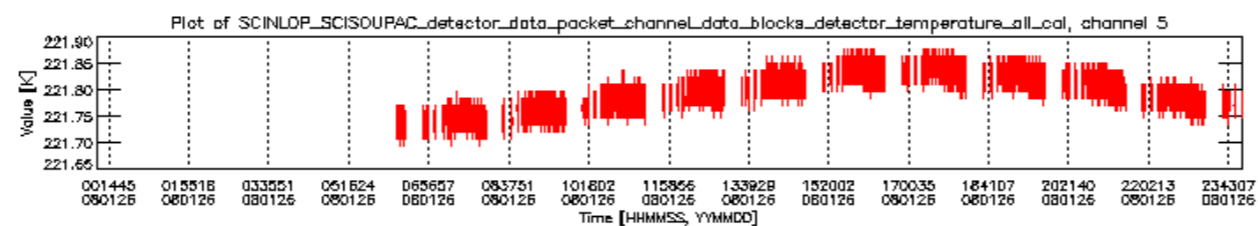
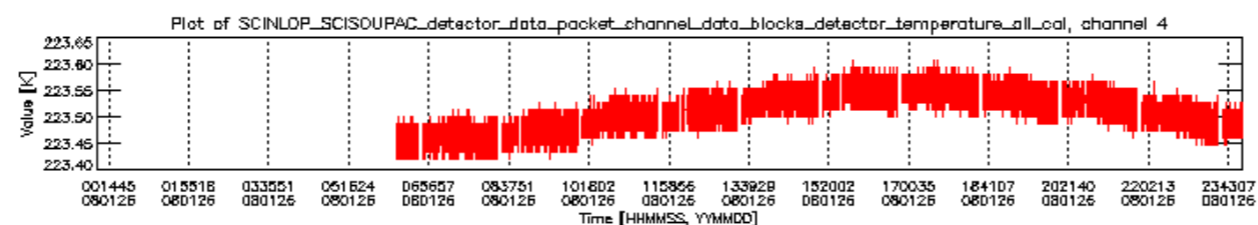
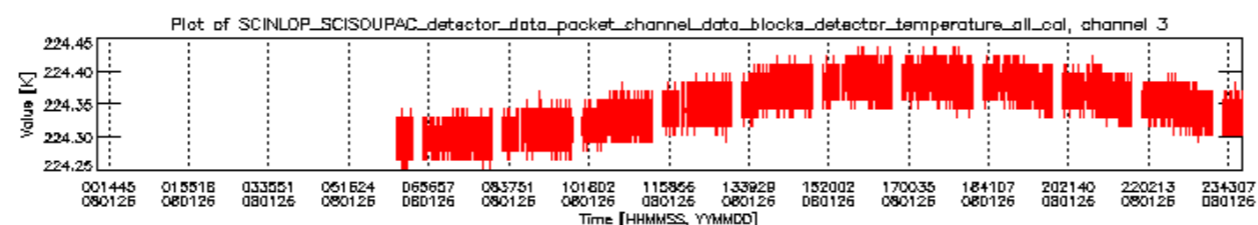
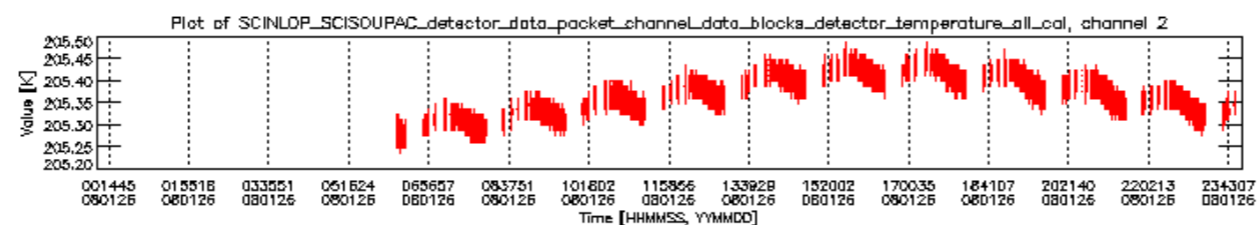
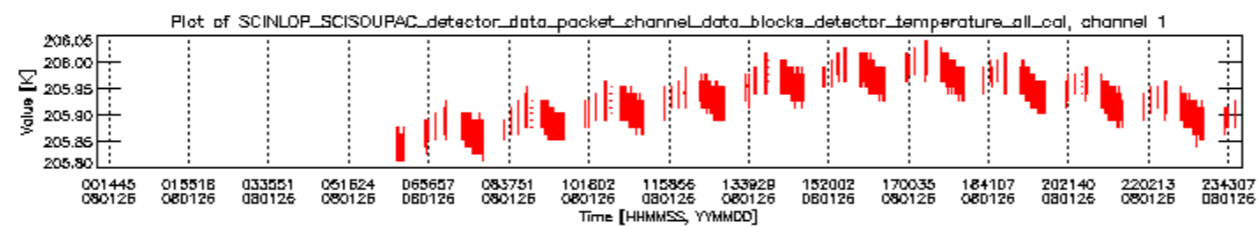
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080126_8.PNG

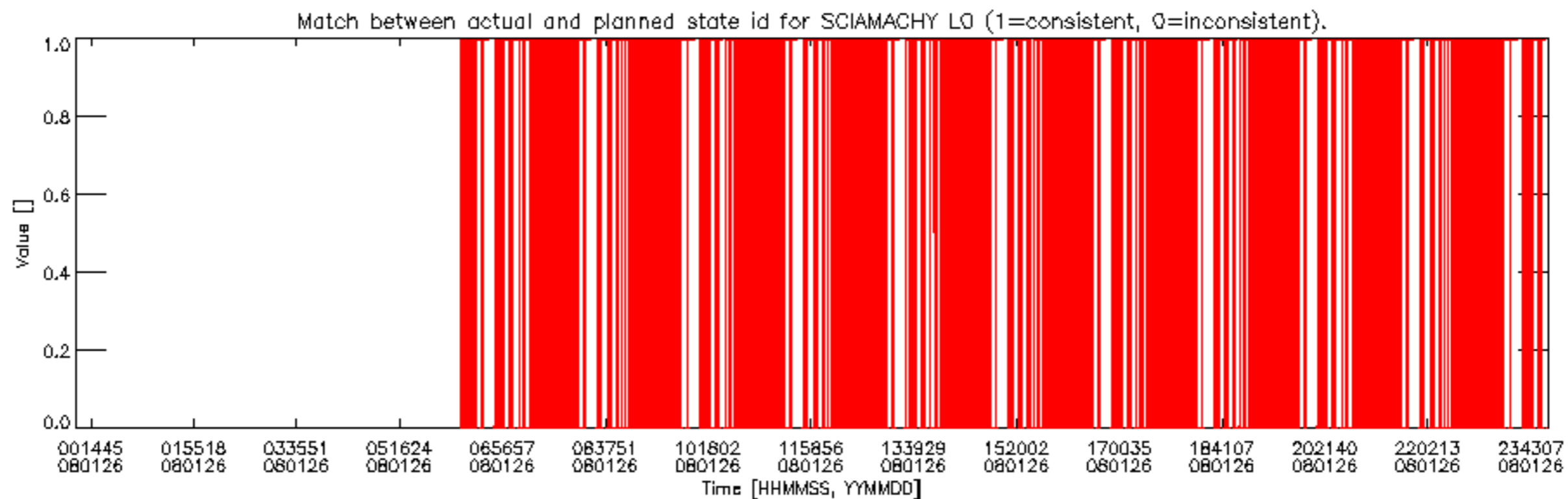
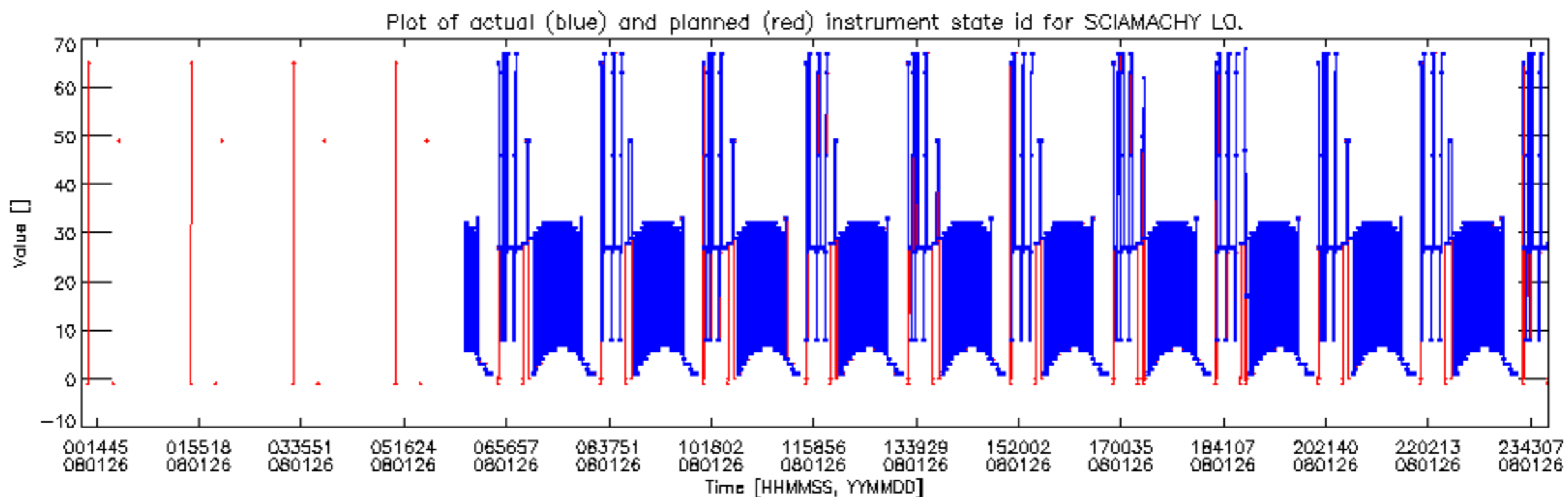












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 26JAN2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

