

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	06JAN2008 06:07:19
Data source version	KSPT_L0/4302-N
Processing scope for products	02JAN2008 00:00:00 to 03JAN2008 00:00:00
Start time of first product within scope	01JAN2008 23:15:03
Stop time of last product within scope	03JAN2008 00:23:47
Total number of level 0 products	16
Number of level 0 products with errors	0

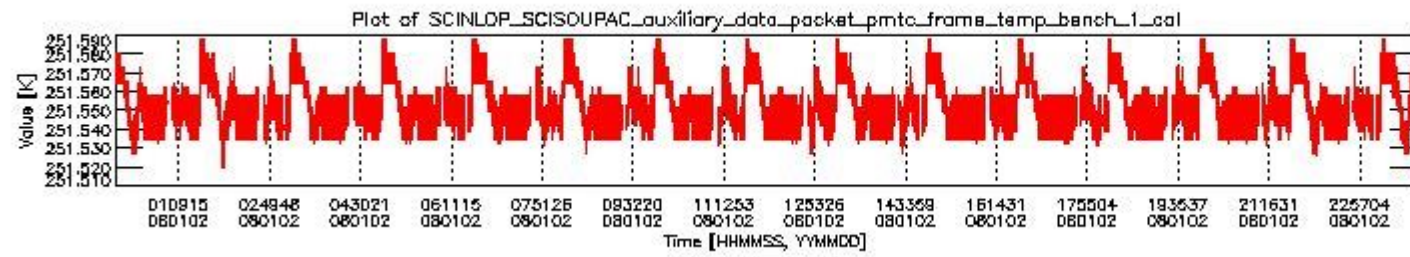
0.1.2 Summary per product

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

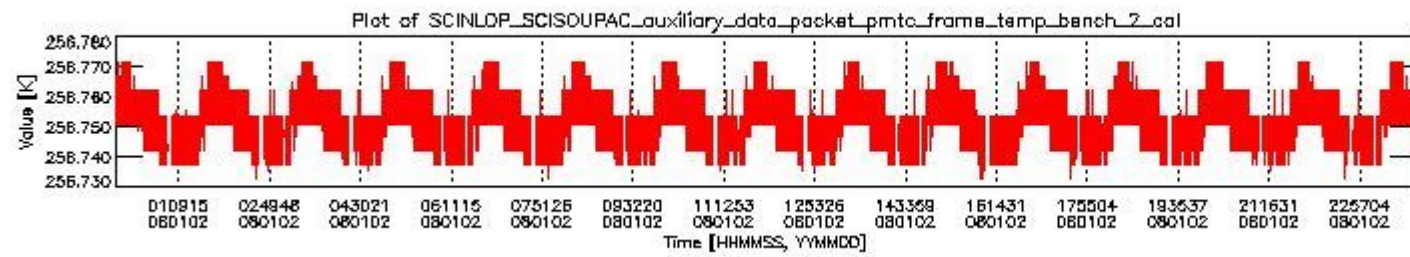
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080101_231503_000060232064_00416_30530_5856.N1	01JAN2008 23:15:03	02JAN2008 00:55:26	0	0	0	0	0
1	SCI_NL__OPNPDE20080102_010220_000042582064_00417_30531_5857.N1	02JAN2008 01:02:20	02JAN2008 02:13:18	0	0	0	0	0
2	SCI_NL__OPNPDE20080102_021318_000058432064_00418_30532_5858.N1	02JAN2008 02:13:18	02JAN2008 03:50:41	0	0	0	0	0
3	SCI_NL__OPNPDE20080102_035041_000059802064_00419_30533_5859.N1	02JAN2008 03:50:41	02JAN2008 05:30:21	0	0	0	0	0
4	SCI_NL__OPNPDE20080102_053021_000060922064_00420_30534_5860.N1	02JAN2008 05:30:21	02JAN2008 07:11:52	0	0	0	0	0
5	SCI_NL__OPNPDK20080102_071152_000039892064_00421_30535_7016.N1	02JAN2008 07:11:52	02JAN2008 08:18:21	0	0	0	0	0
6	SCI_NL__OPNPDK20080102_081725_000062162064_00422_30536_7017.N1	02JAN2008 08:17:25	02JAN2008 10:01:01	0	0	0	0	0
7	SCI_NL__OPNPDK20080102_095953_000059802064_00423_30537_7018.N1	02JAN2008 09:59:53	02JAN2008 11:39:33	0	0	0	0	0
8	SCI_NL__OPNPDK20080102_113837_000060362064_00424_30538_7019.N1	02JAN2008 11:38:37	02JAN2008 13:19:13	0	0	0	0	0
9	SCI_NL__OPNPDK20080102_131817_000059802064_00425_30539_7020.N1	02JAN2008 13:18:17	02JAN2008 14:57:57	0	0	0	0	0
10	SCI_NL__OPNPDK20080102_145539_000060362064_00426_30540_7021.N1	02JAN2008 14:55:39	02JAN2008 16:36:15	0	0	0	0	0
11	SCI_NL__OPNPDK20080102_163518_000056262064_00427_30541_7022.N1	02JAN2008 16:35:18	02JAN2008 18:09:03	0	0	0	0	0
12	SCI_NL__OPNPDK20080102_180903_000060752064_00428_30542_7023.N1	02JAN2008 18:09:03	02JAN2008 19:50:19	0	0	0	0	0
13	SCI_NL__OPNPDE20080102_195342_000039532064_00429_30543_5861.N1	02JAN2008 19:53:42	02JAN2008 20:59:35	0	0	0	0	0
14	SCI_NL__OPNPDE20080102_205935_000062282064_00429_30543_5862.N1	02JAN2008 20:59:35	02JAN2008 22:43:24	0	0	0	0	0
15	SCI_NL__OPNPDE20080102_224324_000060232064_00430_30544_5863.N1	02JAN2008 22:43:24	03JAN2008 00:23:47	0	0	0	0	0

0.2 Product Quality Indicators

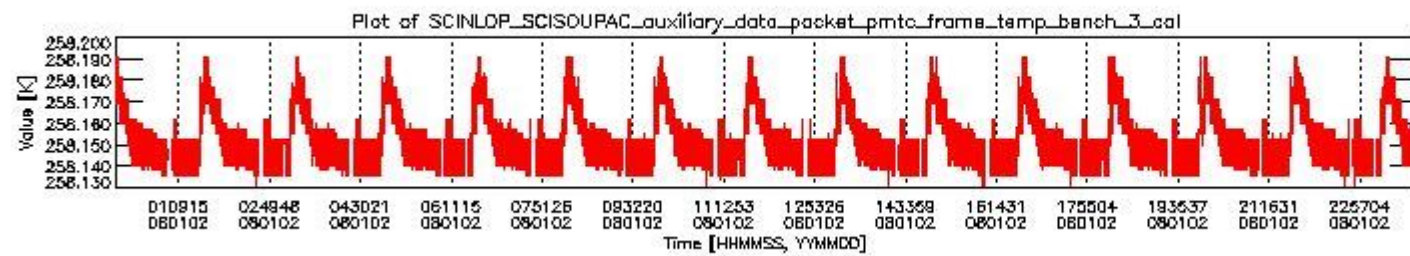
This section shows information about product quality, currently temperatures.



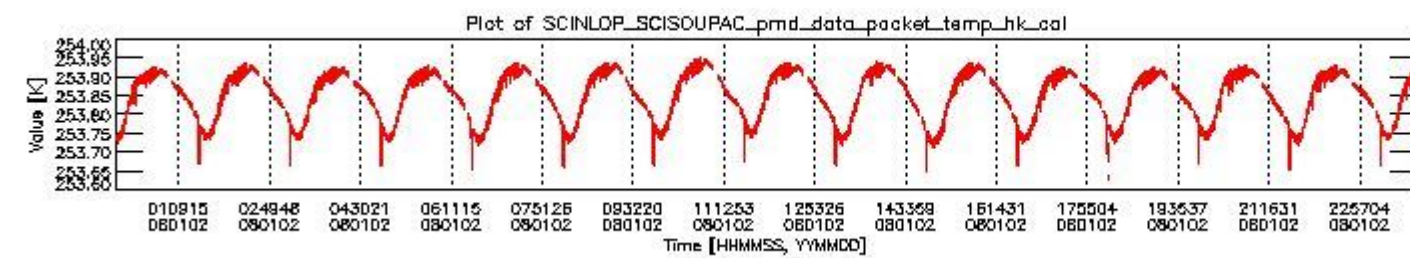
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080102_0.PNG



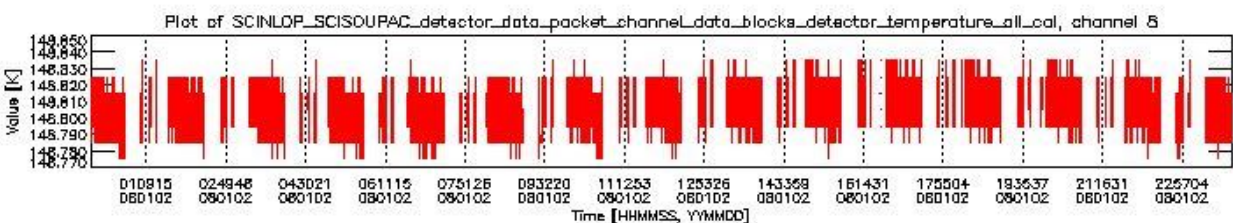
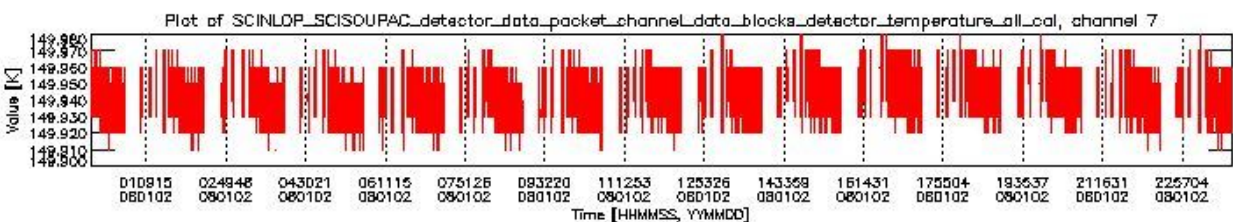
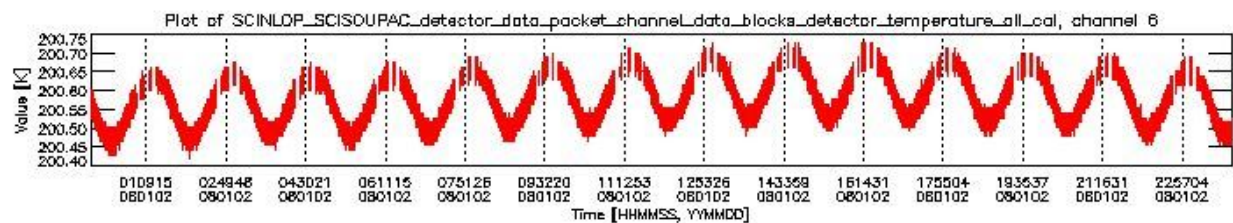
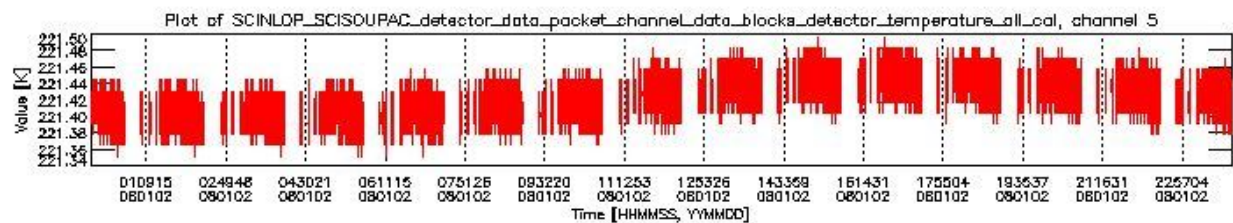
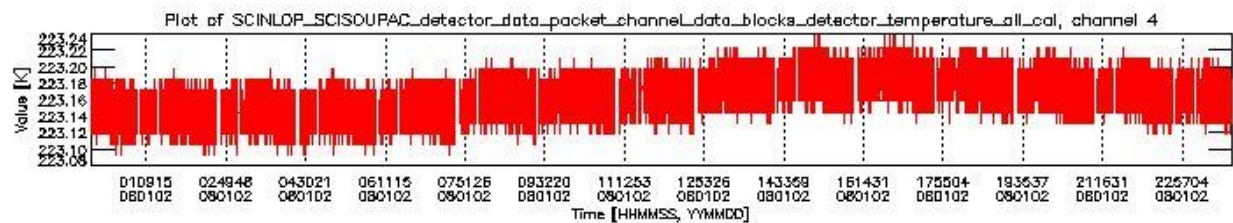
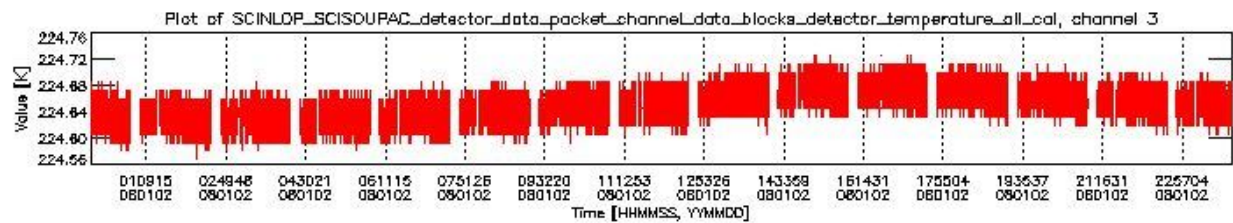
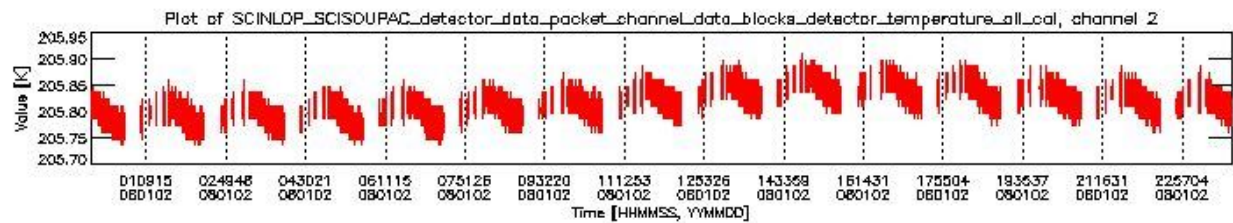
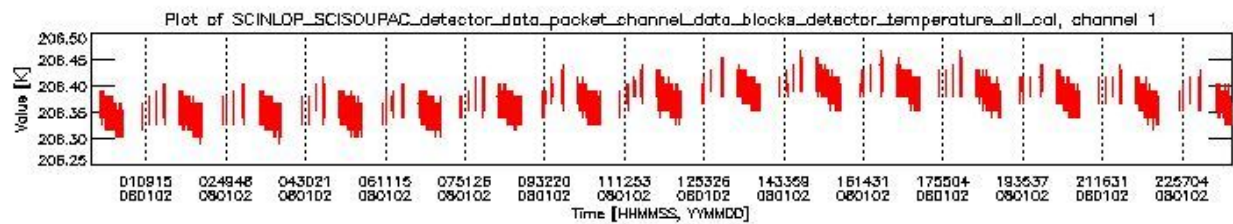
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080102_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20080102_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20080102_3.PNG

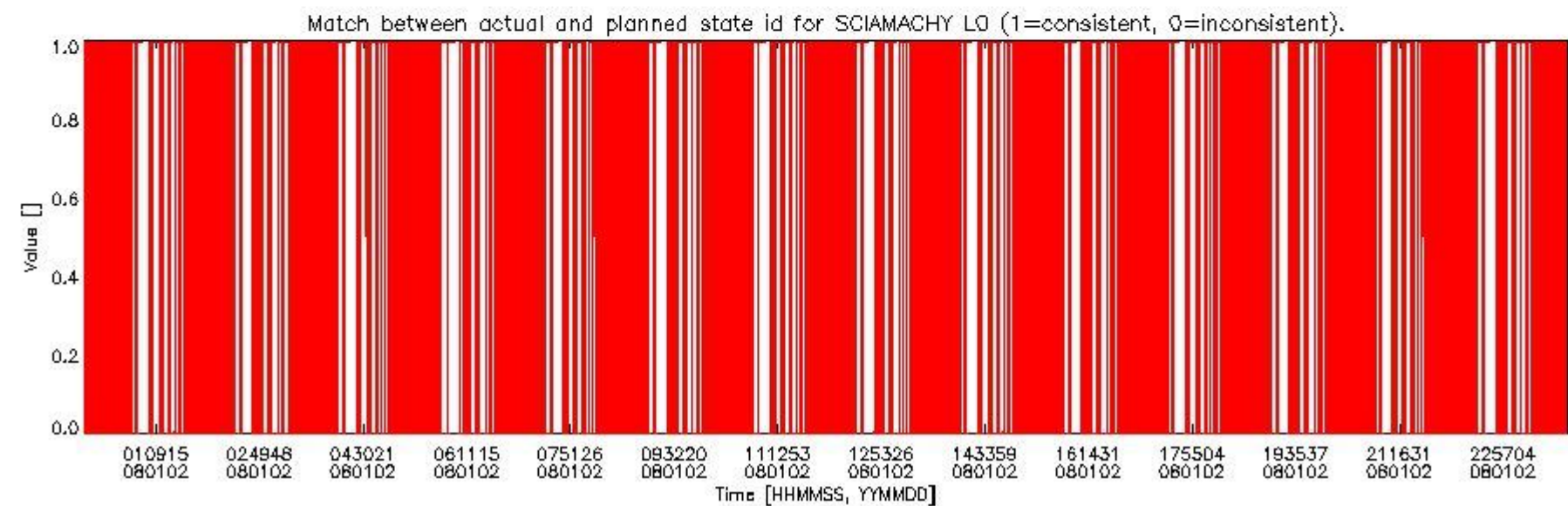
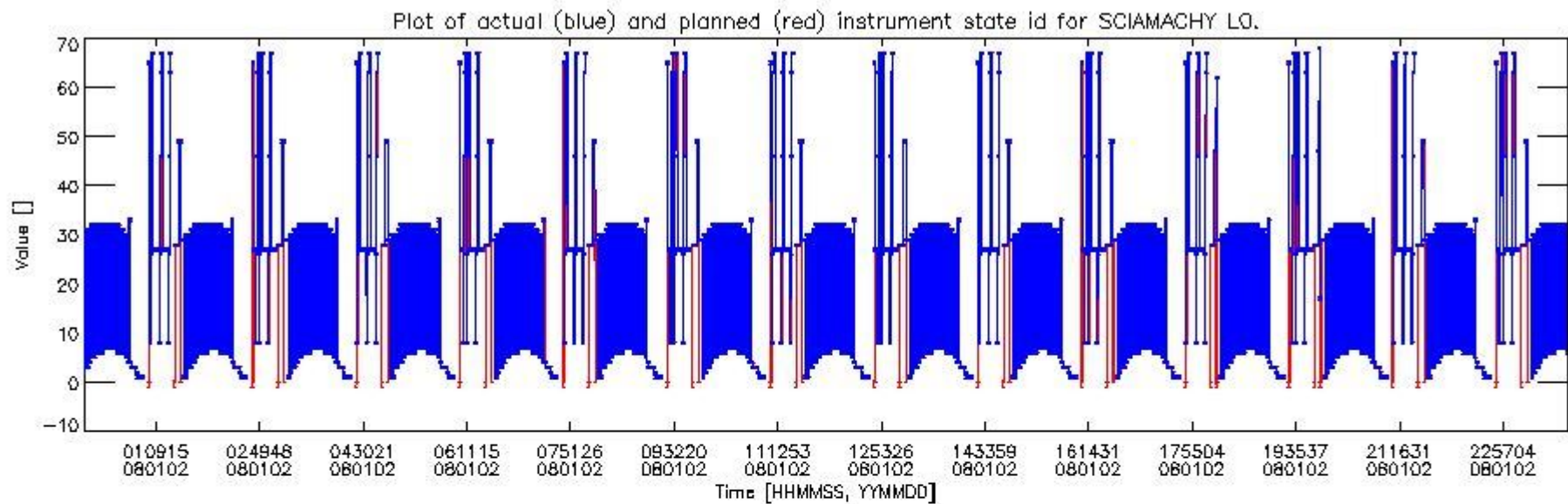


0.3 State monitoring

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: **39945**

#	Actual time	Actual value	Planned time	Planned value
0	02JAN2008 00:00:27.672189	3	02JAN2008 00:00:27.672189	30
1	02JAN2008 00:00:27.922198	3	02JAN2008 00:00:27.922198	30
2	02JAN2008 00:00:28.047203	3	02JAN2008 00:00:28.047203	30
3	02JAN2008 00:00:28.172207	3	02JAN2008 00:00:28.172207	30
4	02JAN2008 00:00:28.297211	3	02JAN2008 00:00:28.297211	30
5	02JAN2008 00:00:28.422216	3	02JAN2008 00:00:28.422216	30
6	02JAN2008 00:00:28.547220	3	02JAN2008 00:00:28.547220	30
7	02JAN2008 00:00:28.672224	3	02JAN2008 00:00:28.672224	30
8	02JAN2008 00:00:28.797188	3	02JAN2008 00:00:28.797188	30
9	02JAN2008 00:00:28.922193	3	02JAN2008 00:00:28.922193	30
10	02JAN2008 00:00:29.047197	3	02JAN2008 00:00:29.047197	30
11	02JAN2008 00:00:29.172201	3	02JAN2008 00:00:29.172201	30
12	02JAN2008 00:00:29.297206	3	02JAN2008 00:00:29.297206	30
13	02JAN2008 00:00:29.422210	3	02JAN2008 00:00:29.422210	30
14	02JAN2008 00:00:29.547215	3	02JAN2008 00:00:29.547215	30
15	02JAN2008 00:00:29.672219	3	02JAN2008 00:00:29.672219	30
16	02JAN2008 00:00:29.797223	3	02JAN2008 00:00:29.797223	30
17	02JAN2008 00:00:29.922228	3	02JAN2008 00:00:29.922228	30
18	02JAN2008 00:00:30.047192	3	02JAN2008 00:00:30.047192	30
19	02JAN2008 00:00:30.172196	3	02JAN2008 00:00:30.172196	30

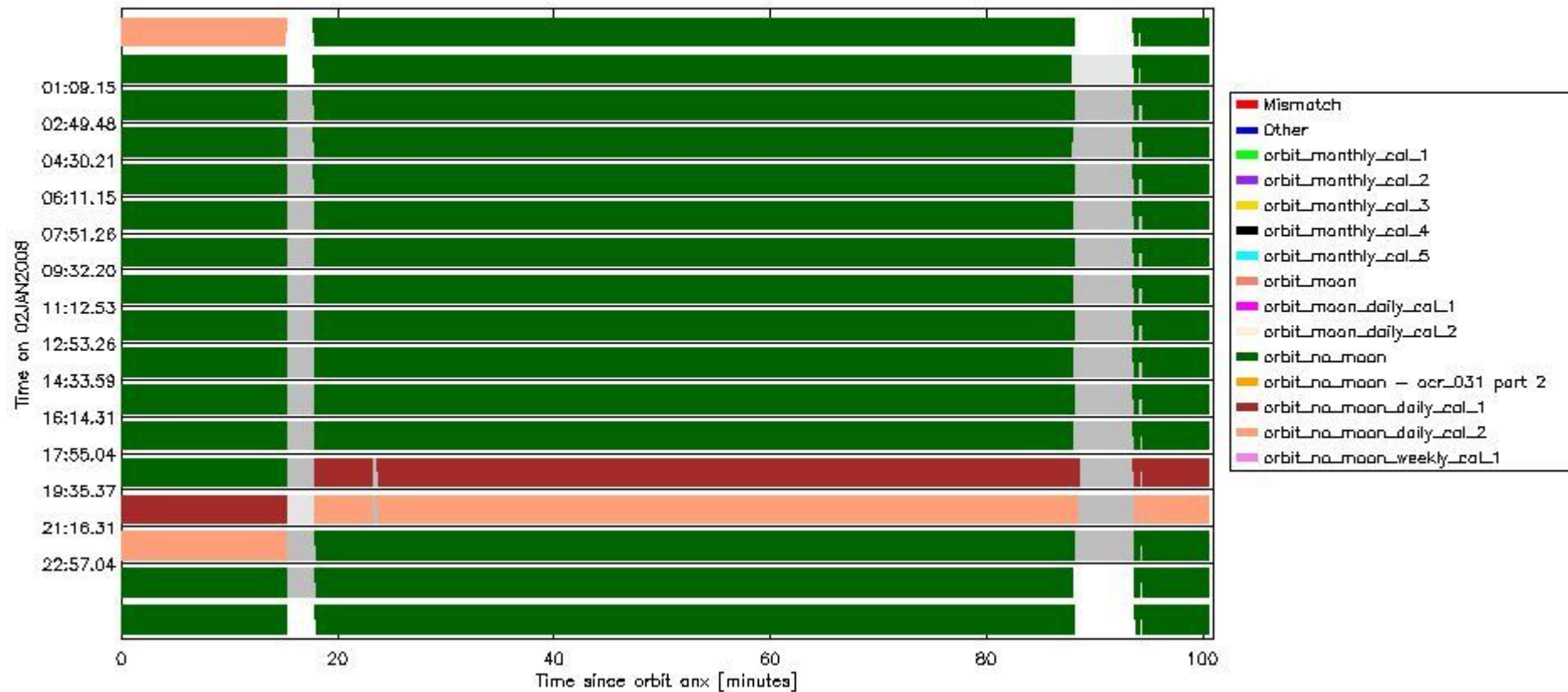


sciamachy_daily_report_level0_KSPT_L0_4302_N_20080102_5.PNG

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 02JAN2008.
 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_20080102_6.PNG

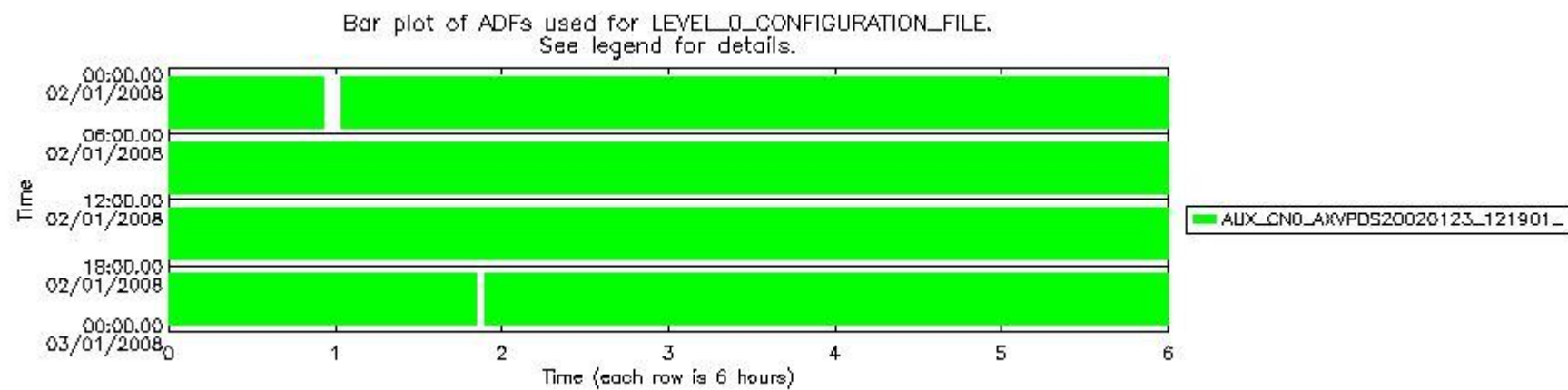
0.4 ADF monitoring

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

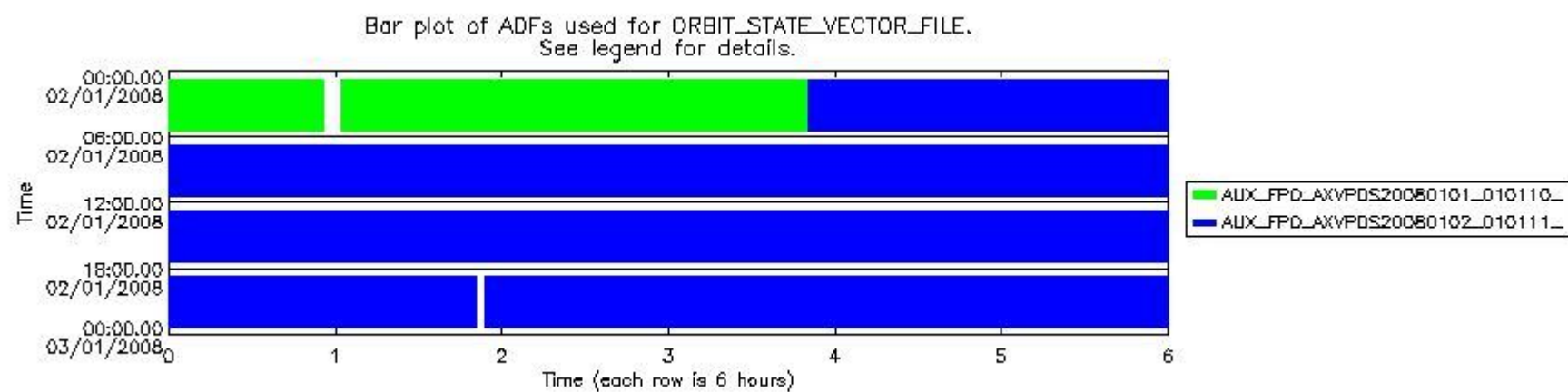
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

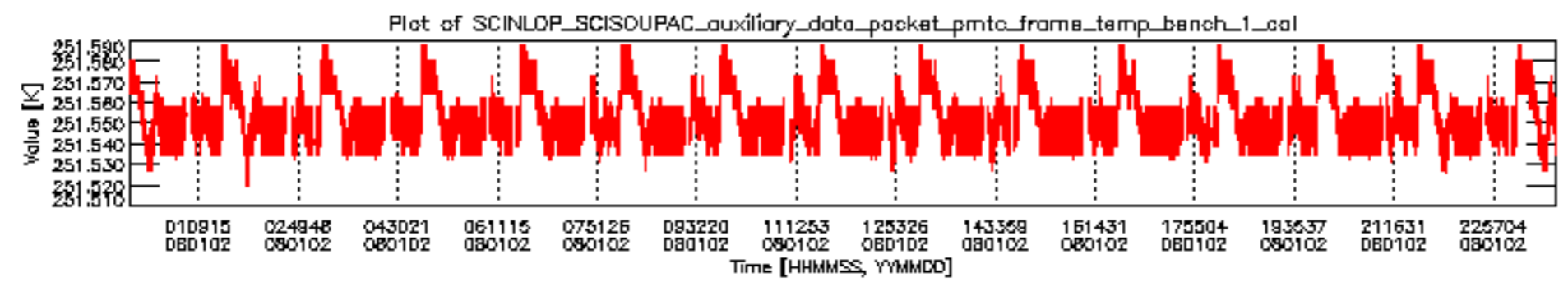
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080101_010110_20071231_185826_20080110_202439
2	AUX_FPO_AXVPDS20080102_010111_20080101_182649_20080111_213338

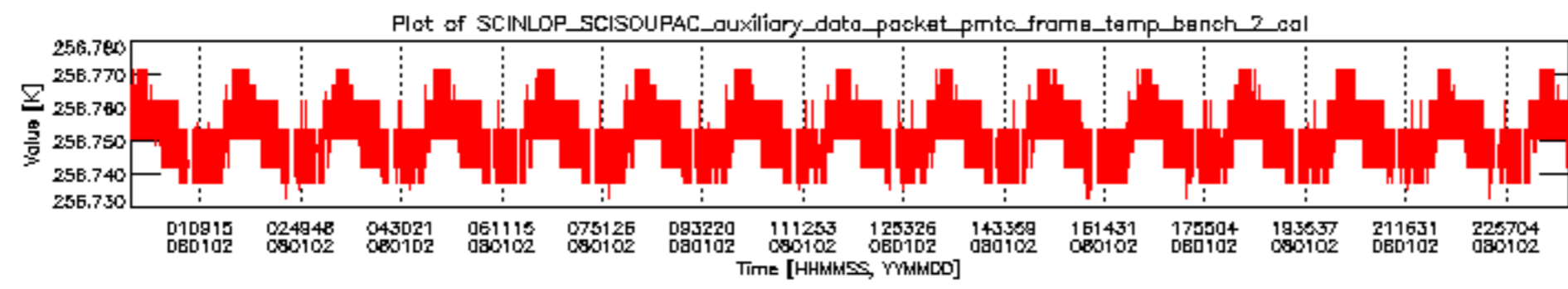


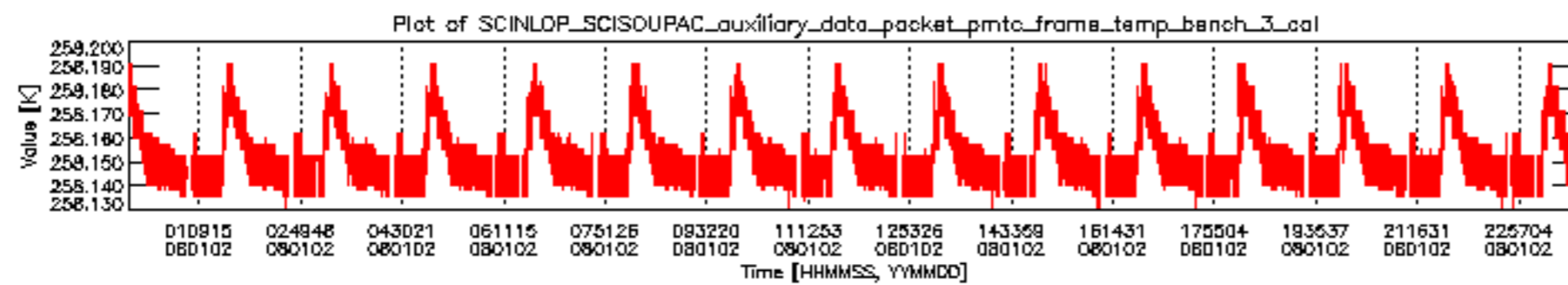
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080102_7.PNG

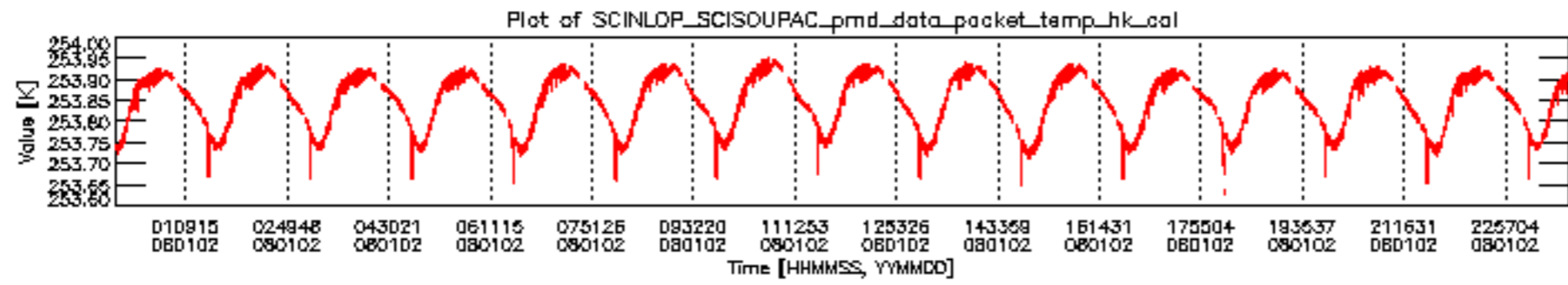


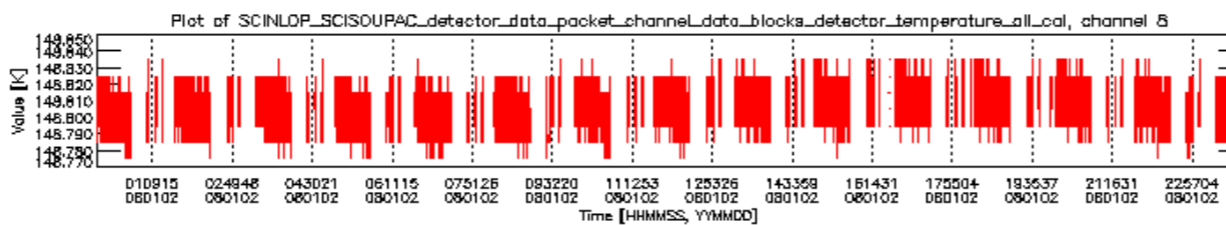
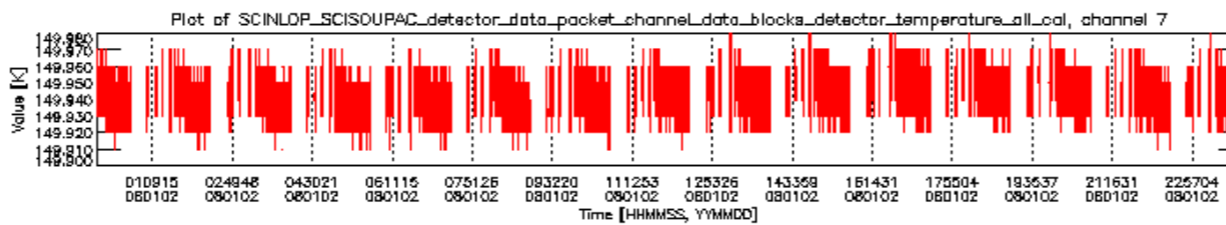
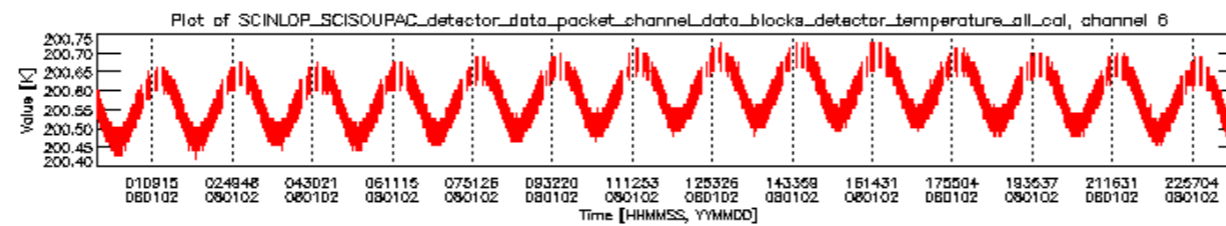
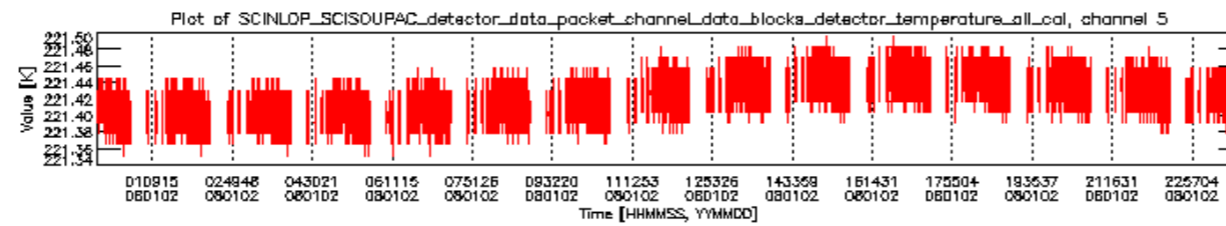
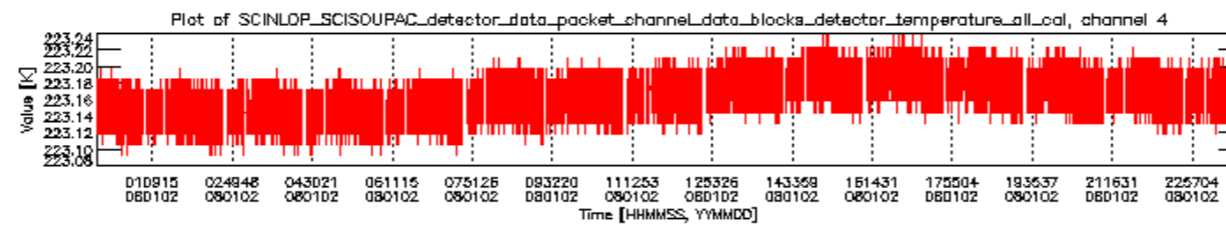
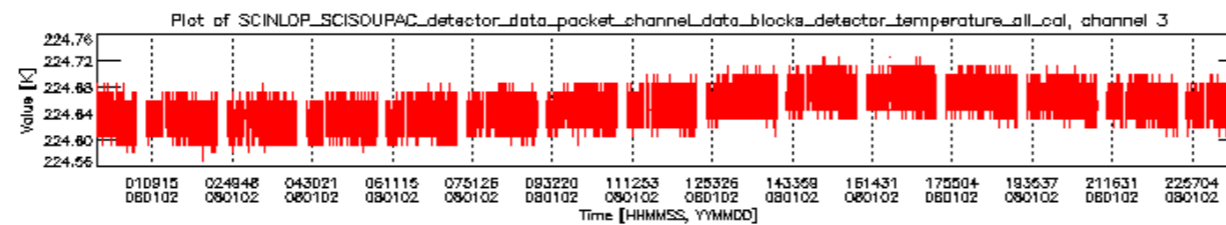
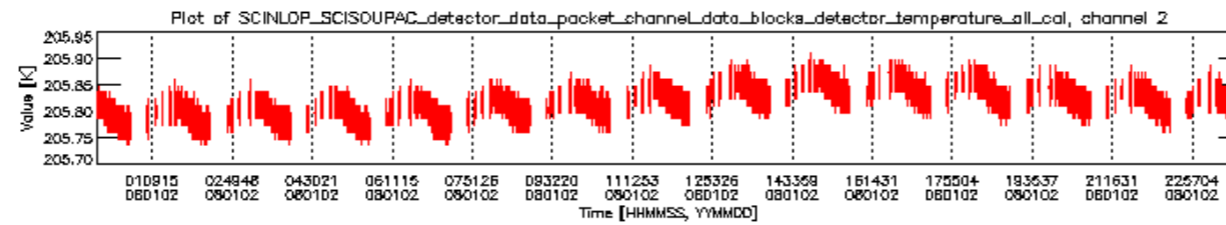
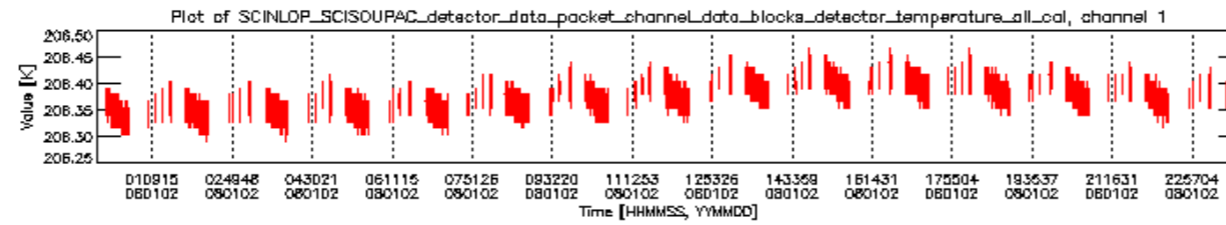
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080102_8.PNG

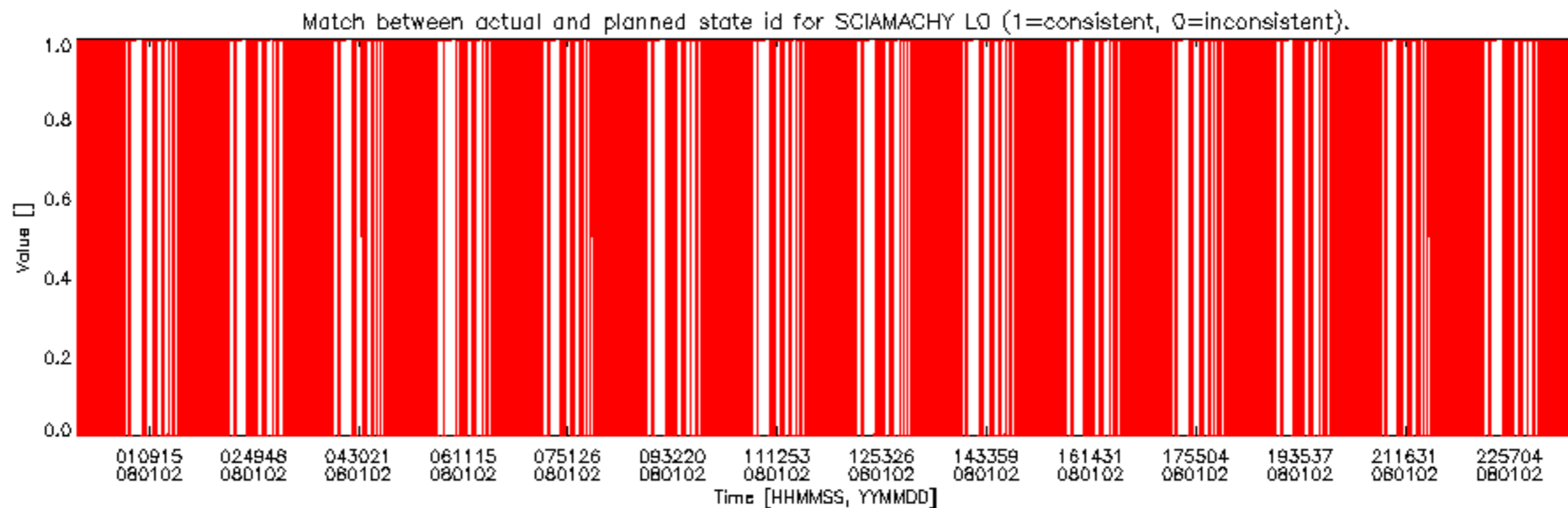
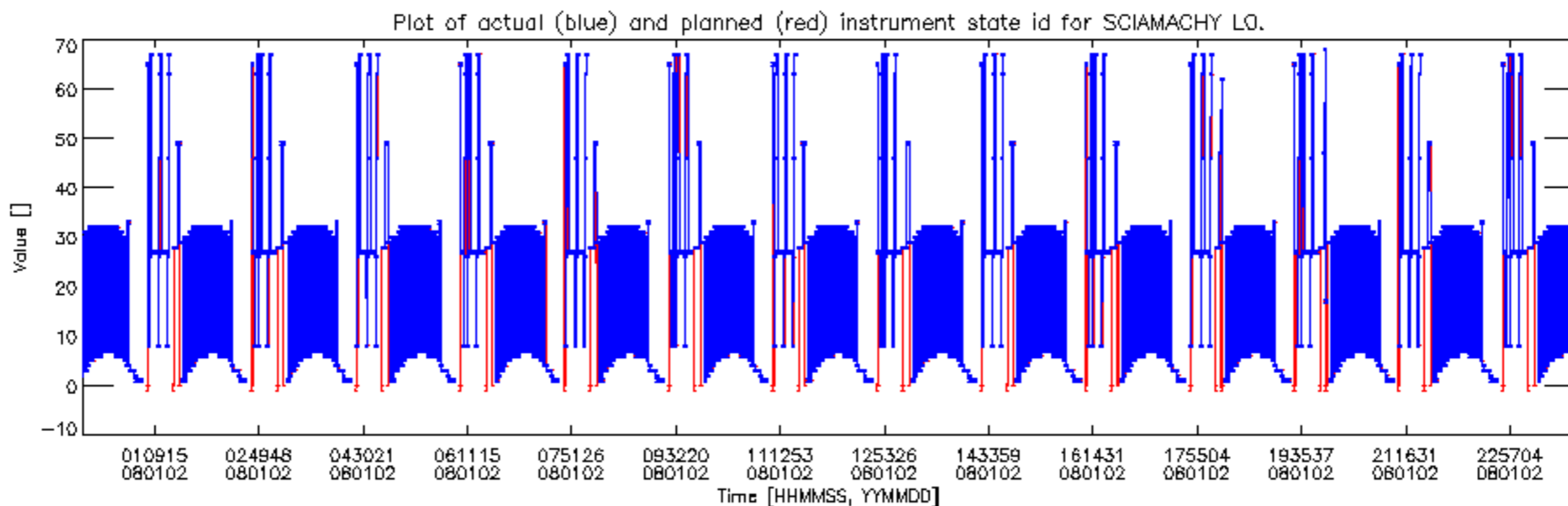












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 02JAN2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

