

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	08FEB2008 11:00:27
Data source version	KSPT_L0/4303-N
Processing scope for products	03FEB2008 00:00:00 to 04FEB2008 00:00:00
Start time of first product within scope	02FEB2008 23:14:17
Stop time of last product within scope	04FEB2008 00:15:37
Total number of level 0 products	16
Number of level 0 products with errors	0

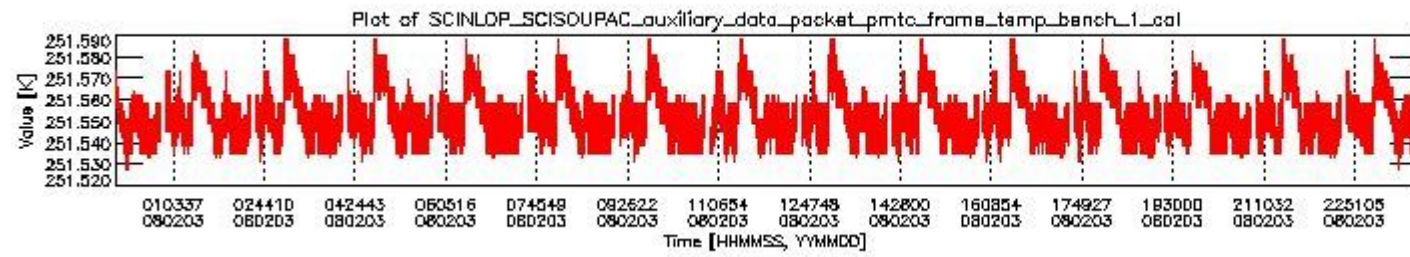
0.1.2 Summary per product

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

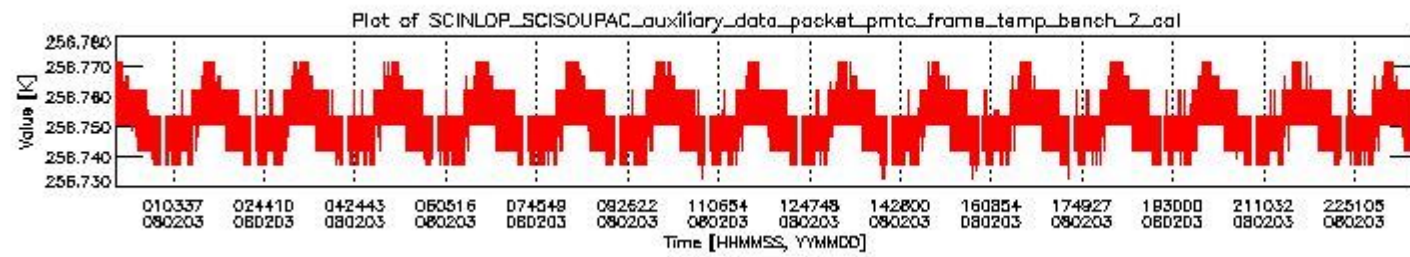
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080202_231417_000055822065_00373_30988_6063.N1	02FEB2008 23:14:17	03FEB2008 00:47:20	0	0	0	0	0
1	SCI_NL__OPNPDE20080203_005453_000043432065_00374_30989_6064.N1	03FEB2008 00:54:53	03FEB2008 02:07:16	0	0	0	0	0
2	SCI_NL__OPNPDE20080203_020716_000058422065_00375_30990_6065.N1	03FEB2008 02:07:16	03FEB2008 03:44:38	0	0	0	0	0
3	SCI_NL__OPNPDE20080203_034343_000061602065_00376_30991_6066.N1	03FEB2008 03:43:43	03FEB2008 05:26:23	0	0	0	0	0
4	SCI_NL__OPNPDE20080203_052527_000060912065_00377_30992_6067.N1	03FEB2008 05:25:27	03FEB2008 07:06:58	0	0	0	0	0
5	SCI_NL__OPNPDK20080203_070550_000041132065_00378_30993_7293.N1	03FEB2008 07:05:50	03FEB2008 08:14:23	0	0	0	0	0
6	SCI_NL__OPNPDK20080203_081218_000060912065_00379_30994_7294.N1	03FEB2008 08:12:18	03FEB2008 09:53:50	0	0	0	0	0
7	SCI_NL__OPNPDK20080203_095254_000060352065_00380_30995_7295.N1	03FEB2008 09:52:54	03FEB2008 11:33:29	0	0	0	0	0
8	SCI_NL__OPNPDK20080203_113233_000060912065_00381_30996_7296.N1	03FEB2008 11:32:33	03FEB2008 13:14:05	0	0	0	0	0
9	SCI_NL__OPNPDK20080203_131405_000057992065_00382_30997_7297.N1	03FEB2008 13:14:05	03FEB2008 14:50:44	0	0	0	0	0
10	SCI_NL__OPNPDK20080203_144948_000058982065_00383_30998_7298.N1	03FEB2008 14:49:48	03FEB2008 16:28:06	0	0	0	0	0
11	SCI_NL__OPNPDK20080203_162806_000059792065_00384_30999_7299.N1	03FEB2008 16:28:06	03FEB2008 18:07:44	0	0	0	0	0
12	SCI_NL__OPNPDK20080203_180648_000059242065_00385_31000_7300.N1	03FEB2008 18:06:48	03FEB2008 19:45:32	0	0	0	0	0
13	SCI_NL__OPNPDE20080203_194532_000040942065_00386_31001_6068.N1	03FEB2008 19:45:32	03FEB2008 20:53:46	0	0	0	0	0
14	SCI_NL__OPNPDE20080203_205346_000060882065_00386_31001_6069.N1	03FEB2008 20:53:46	03FEB2008 22:35:14	0	0	0	0	0
15	SCI_NL__OPNPDE20080203_224235_000055822065_00387_31002_6070.N1	03FEB2008 22:42:35	04FEB2008 00:15:37	0	0	0	0	0

0.2 Product Quality Indicators

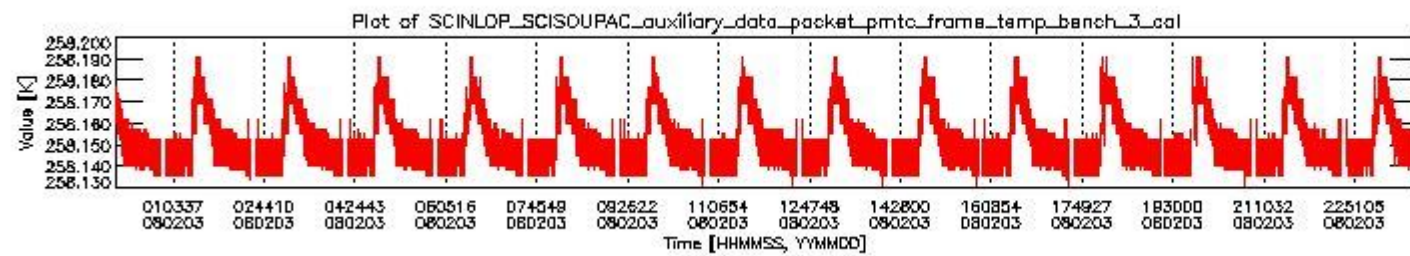
This section shows information about product quality, currently temperatures.



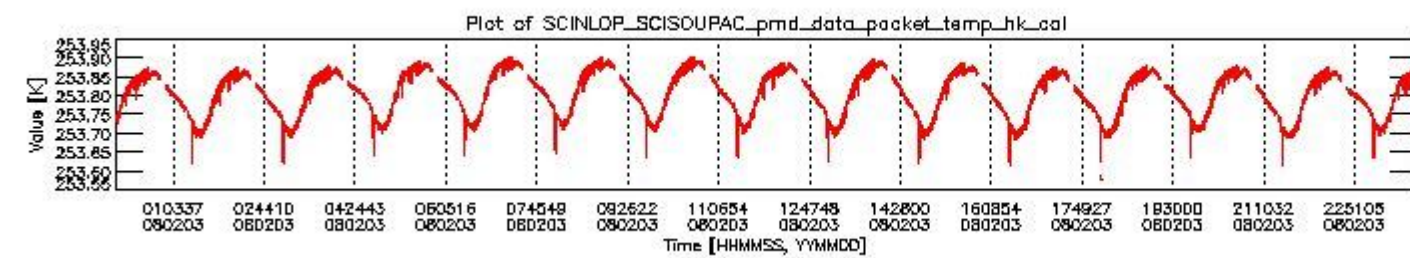
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080203_0.PNG



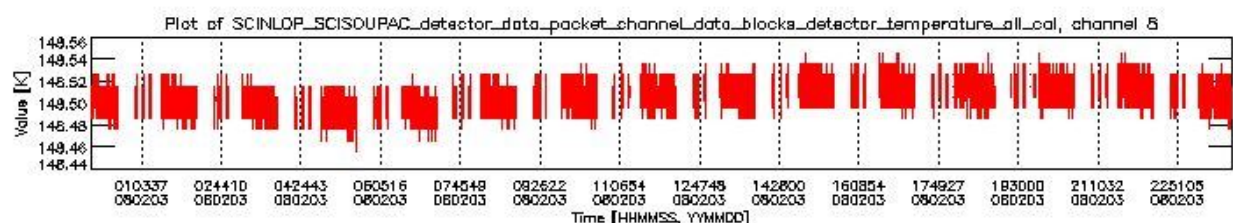
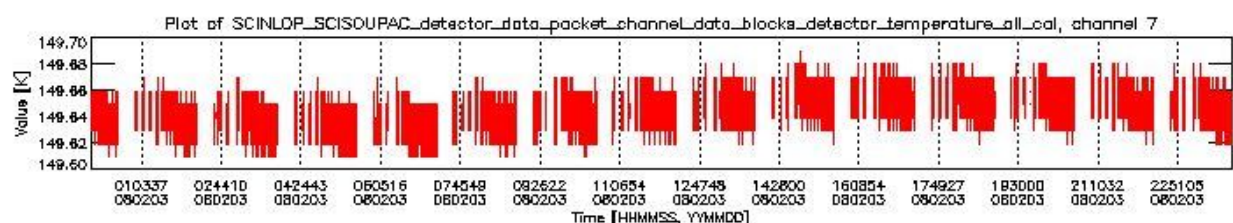
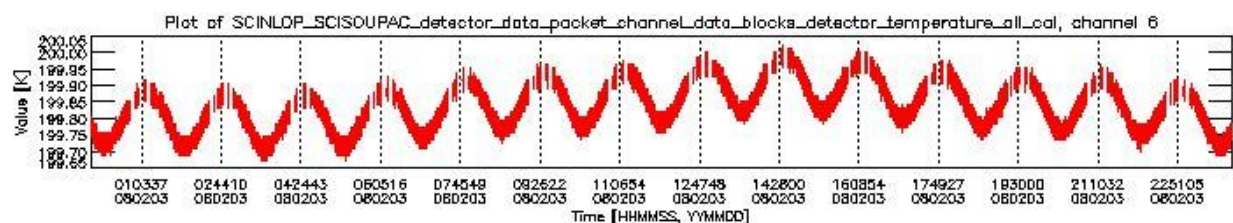
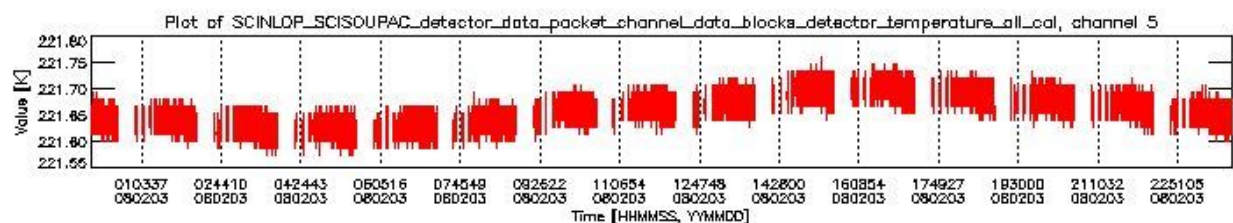
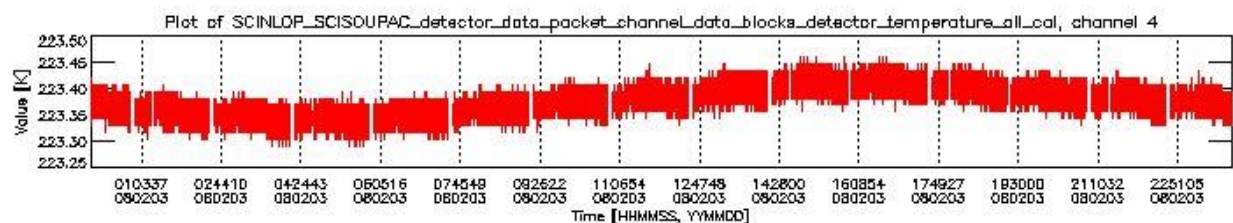
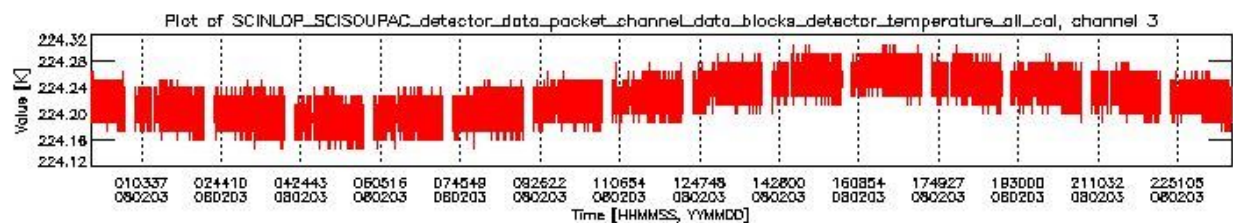
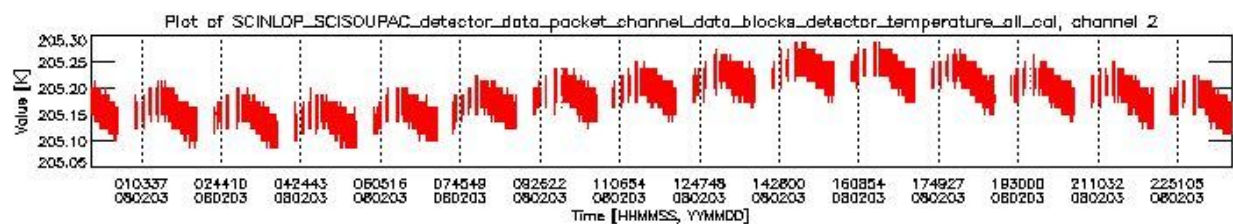
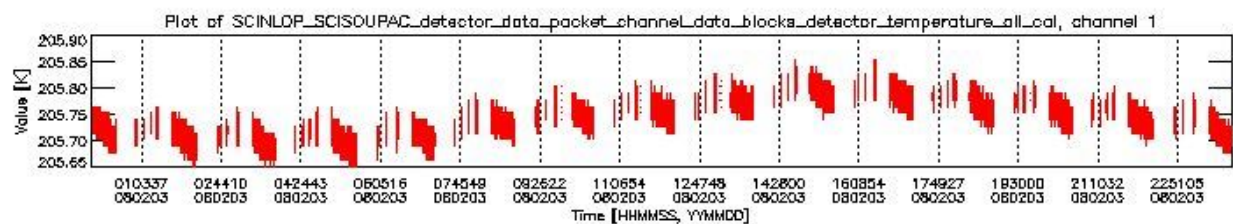
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080203_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080203_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080203_3.PNG

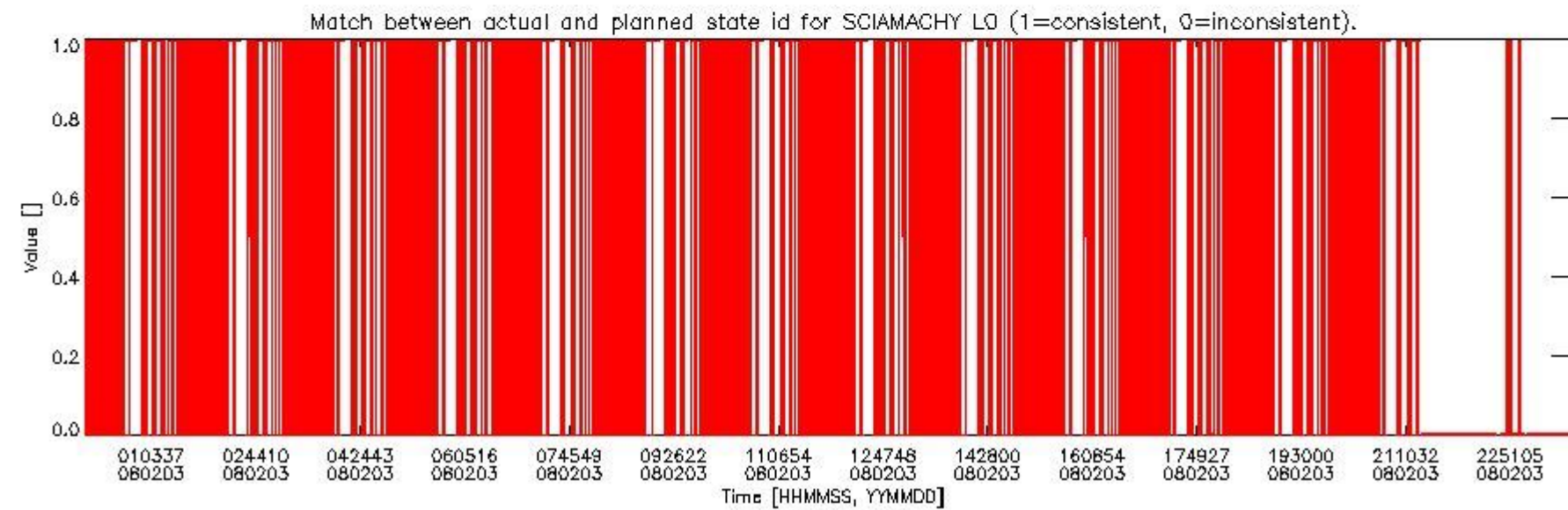
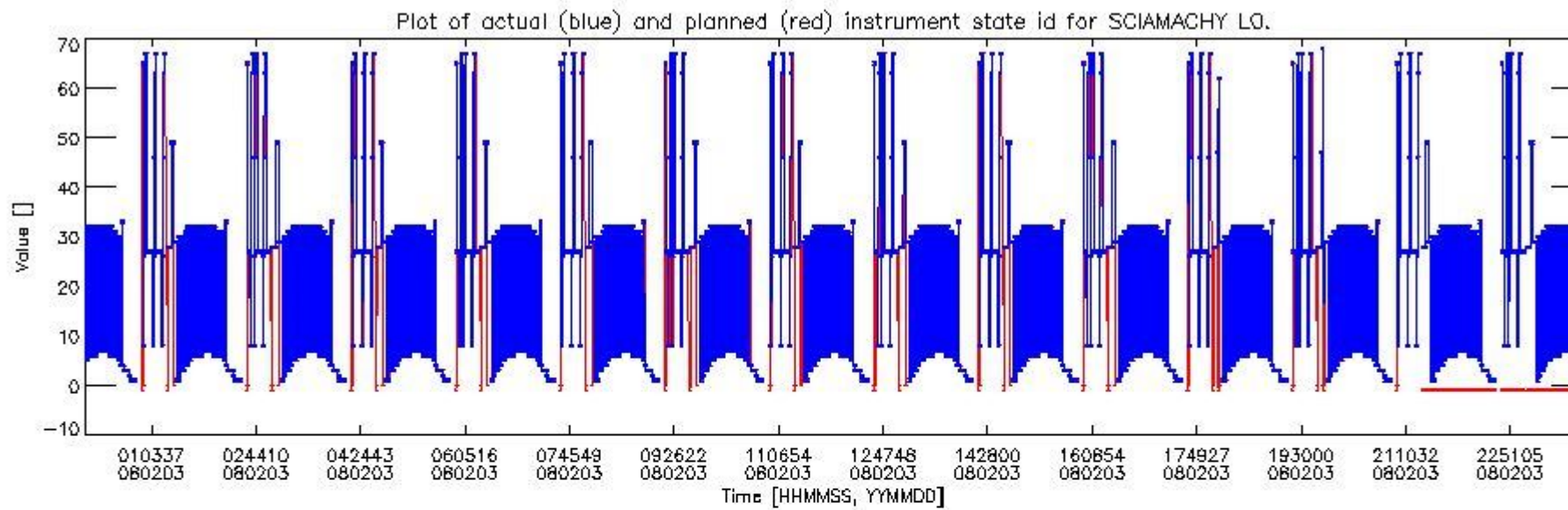


0.3 State monitoring

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: **75926**

#	Actual time	Actual value	Planned time	Planned value
0	03FEB2008 00:00:39.300652	5	03FEB2008 00:00:39.300652	32
1	03FEB2008 00:00:39.550661	5	03FEB2008 00:00:39.550661	32
2	03FEB2008 00:00:39.675665	5	03FEB2008 00:00:39.675665	32
3	03FEB2008 00:00:39.800669	5	03FEB2008 00:00:39.800669	32
4	03FEB2008 00:00:39.925633	5	03FEB2008 00:00:39.925633	32
5	03FEB2008 00:00:40.050638	5	03FEB2008 00:00:40.050638	32
6	03FEB2008 00:00:40.175642	5	03FEB2008 00:00:40.175642	32
7	03FEB2008 00:00:40.300646	5	03FEB2008 00:00:40.300646	32
8	03FEB2008 00:00:40.425651	5	03FEB2008 00:00:40.425651	32
9	03FEB2008 00:00:40.550655	5	03FEB2008 00:00:40.550655	32
10	03FEB2008 00:00:40.675659	5	03FEB2008 00:00:40.675659	32
11	03FEB2008 00:00:40.800664	5	03FEB2008 00:00:40.800664	32
12	03FEB2008 00:00:40.925668	5	03FEB2008 00:00:40.925668	32
13	03FEB2008 00:00:41.050632	5	03FEB2008 00:00:41.050632	32
14	03FEB2008 00:00:41.175637	5	03FEB2008 00:00:41.175637	32
15	03FEB2008 00:00:41.300641	5	03FEB2008 00:00:41.300641	32
16	03FEB2008 00:00:41.425645	5	03FEB2008 00:00:41.425645	32
17	03FEB2008 00:00:41.550650	5	03FEB2008 00:00:41.550650	32
18	03FEB2008 00:00:41.675654	5	03FEB2008 00:00:41.675654	32
19	03FEB2008 00:00:41.800658	5	03FEB2008 00:00:41.800658	32

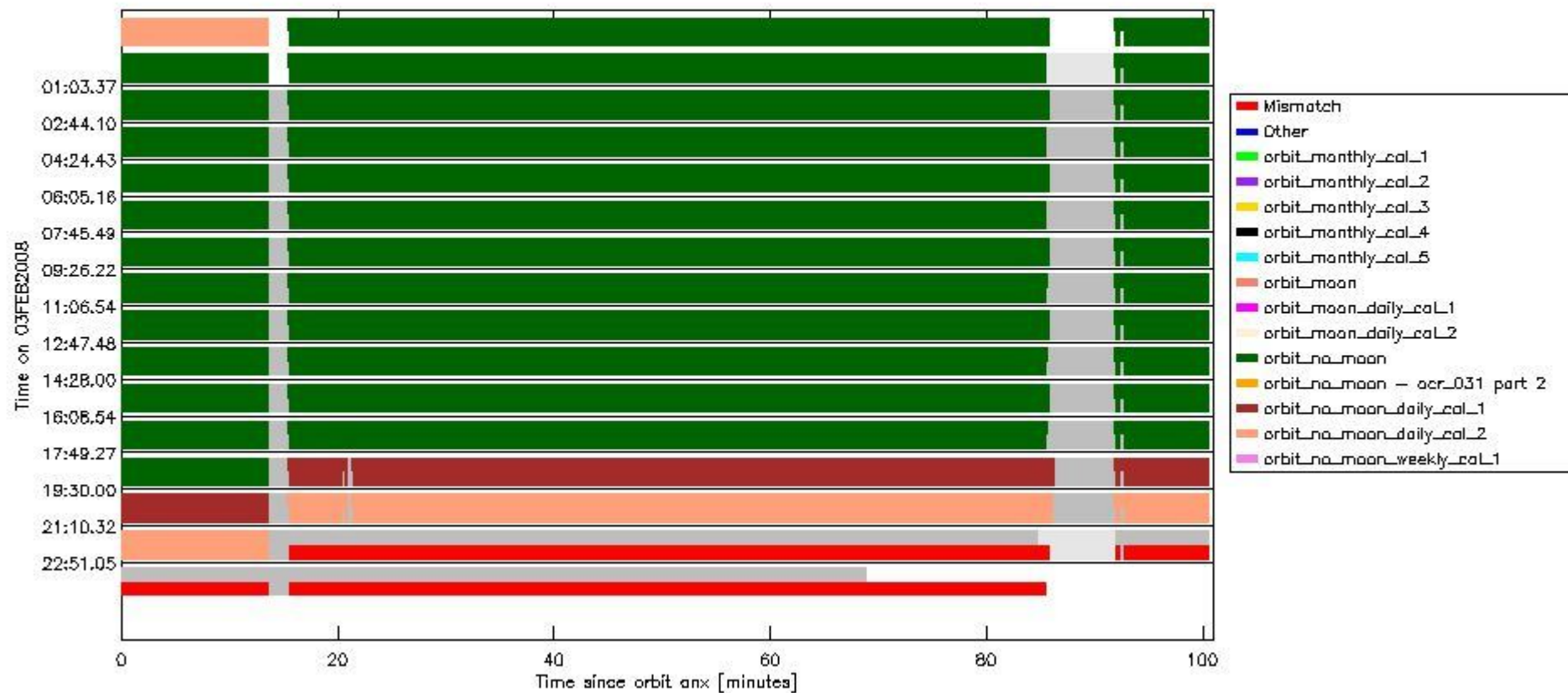


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080203_5.PNG

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 Q3FEB2008.
 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_20080203_6.PNG

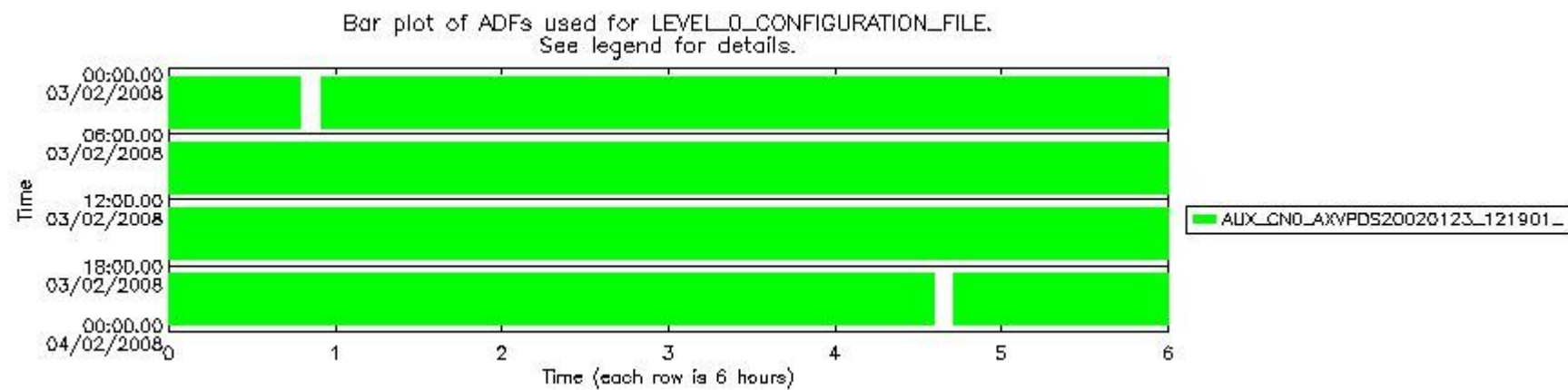
0.4 ADF monitoring

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

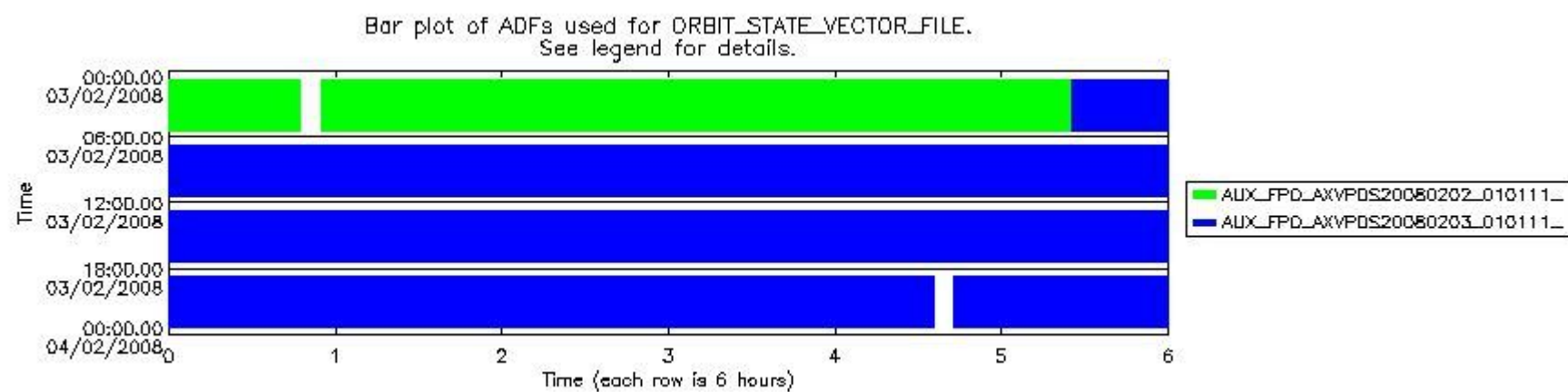
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

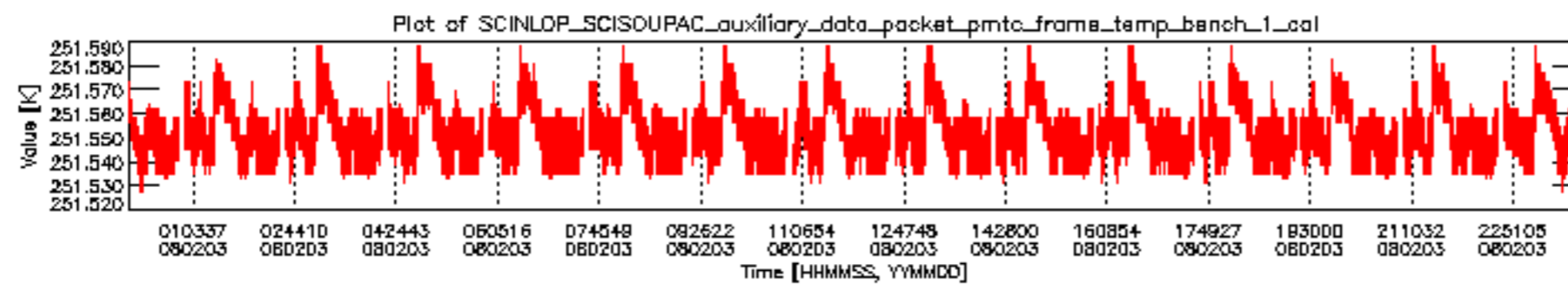
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080202_010111_20080201_185240_20080211_201853
2	AUX_FPO_AXVPDS20080203_010111_20080202_182103_20080212_212751

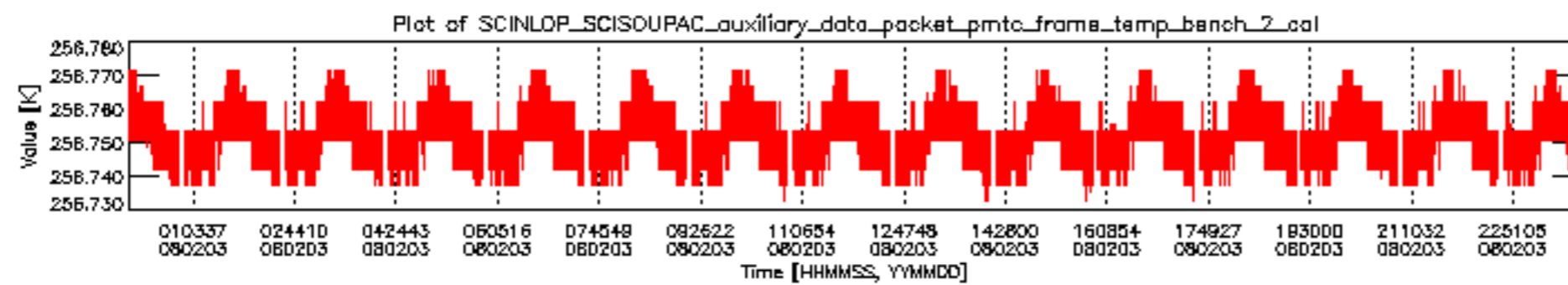


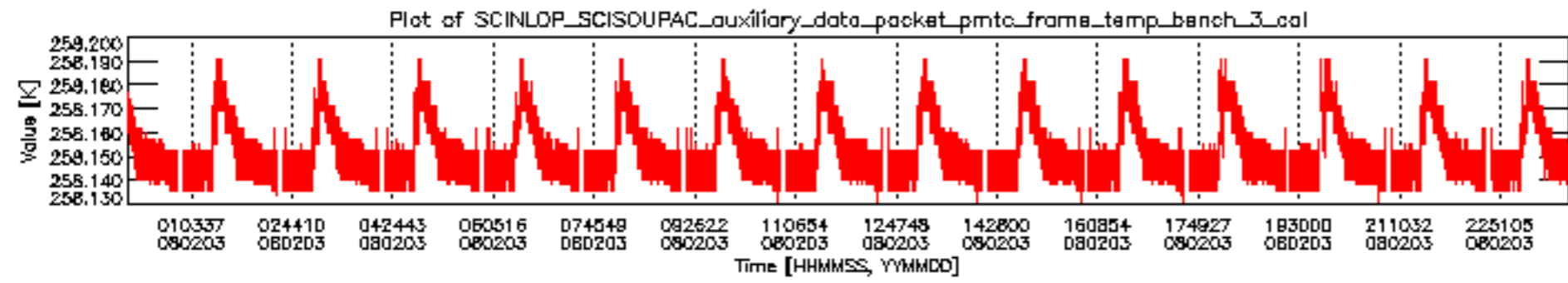
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080203_7.PNG

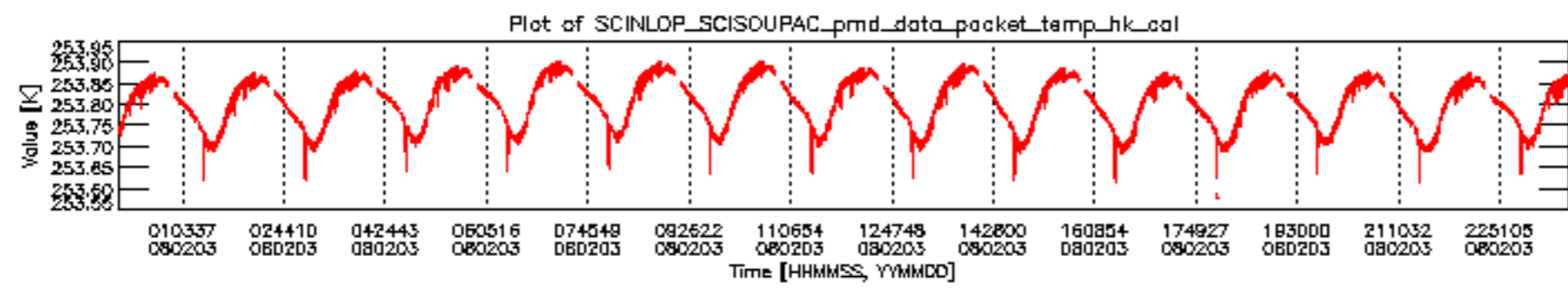


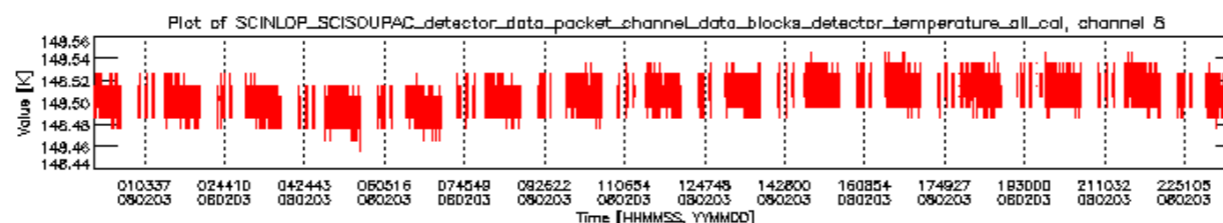
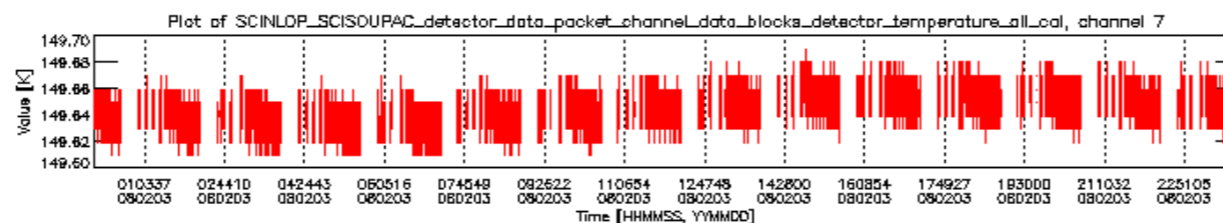
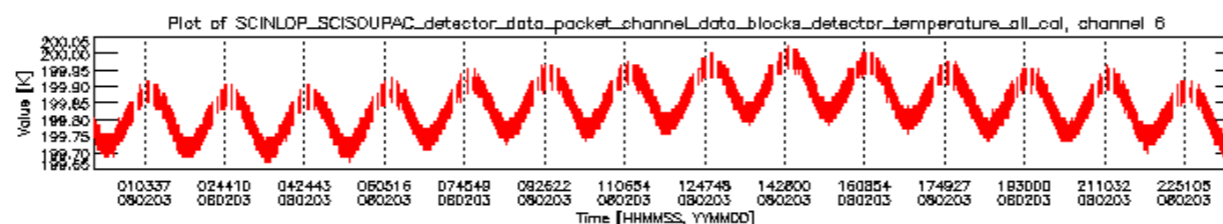
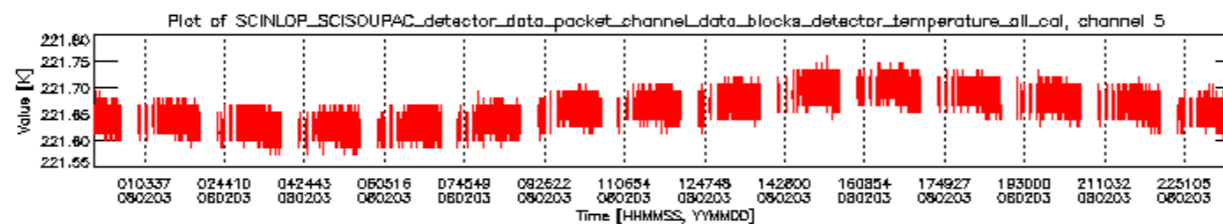
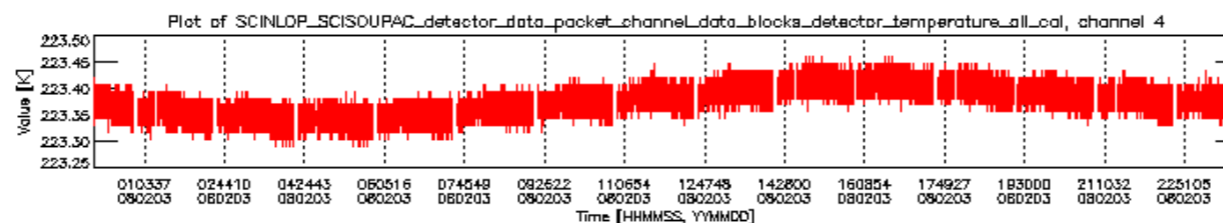
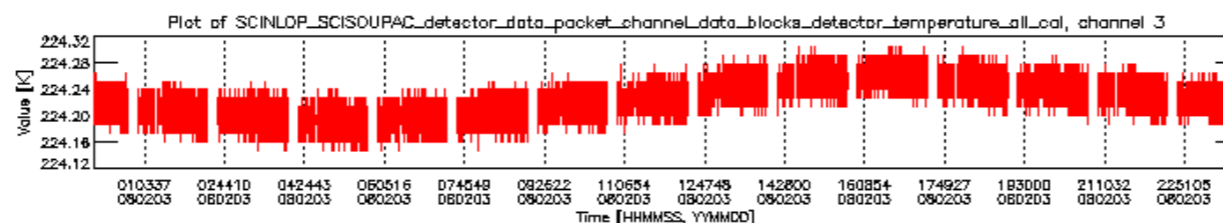
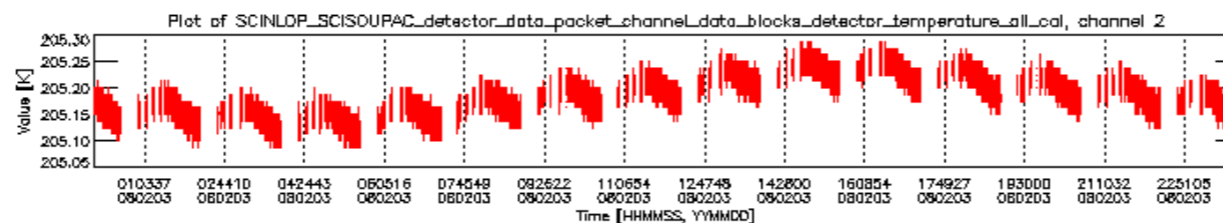
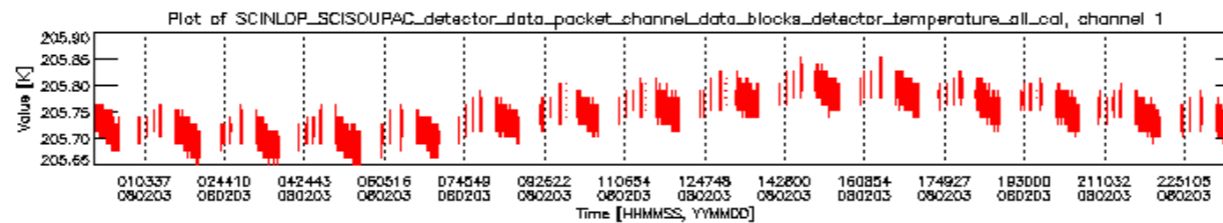
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080203_8.PNG

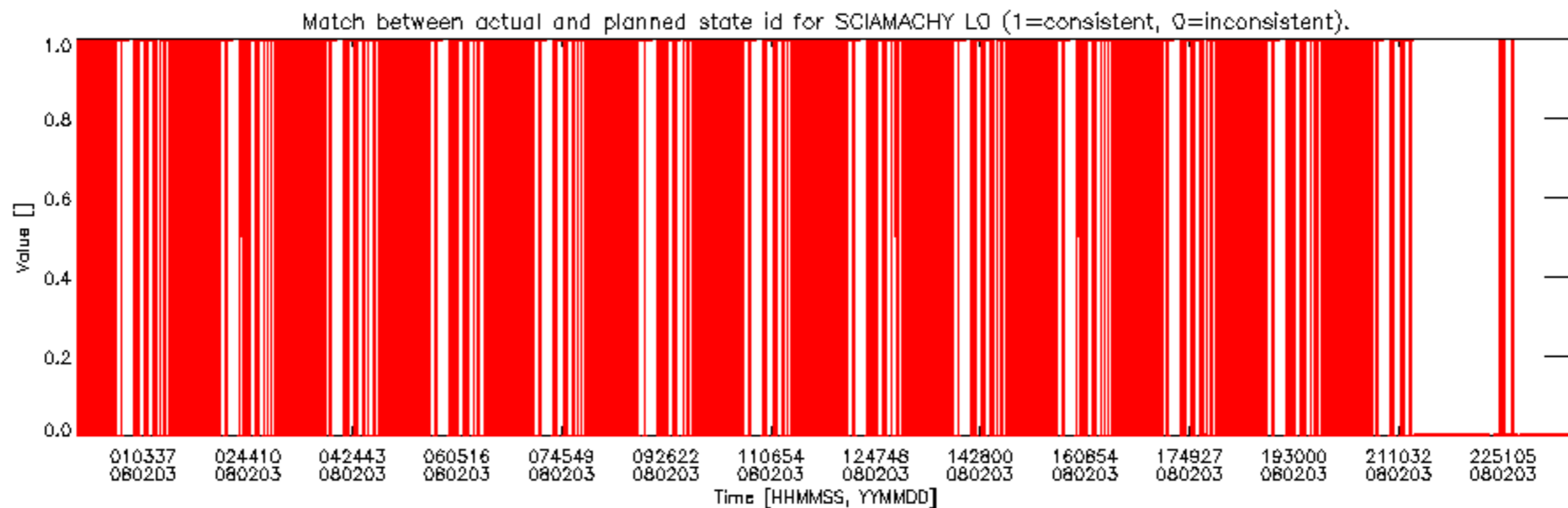
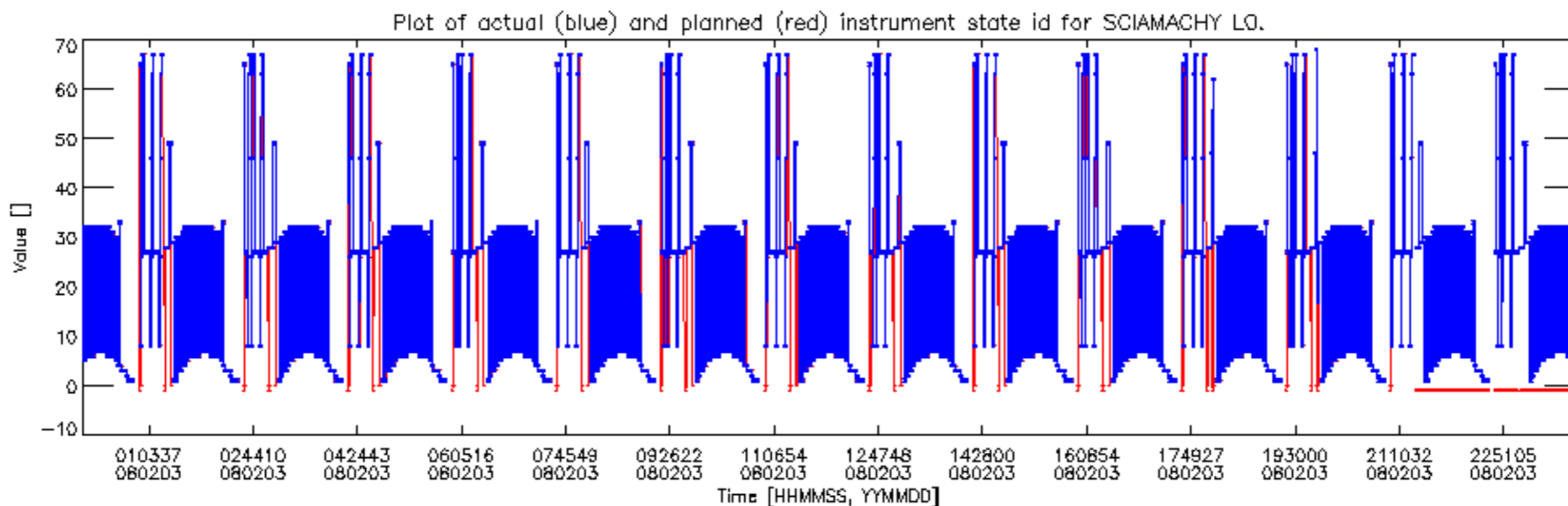












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 03FEB2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

