

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	11FEB2008 16:27:21
Data source version	KSPT_L0/4303-N
Processing scope for products	05FEB2008 00:00:00 to 06FEB2008 00:00:00
Start time of first product within scope	04FEB2008 23:51:27
Stop time of last product within scope	06FEB2008 00:52:58
Total number of level 0 products	16
Number of level 0 products with errors	0

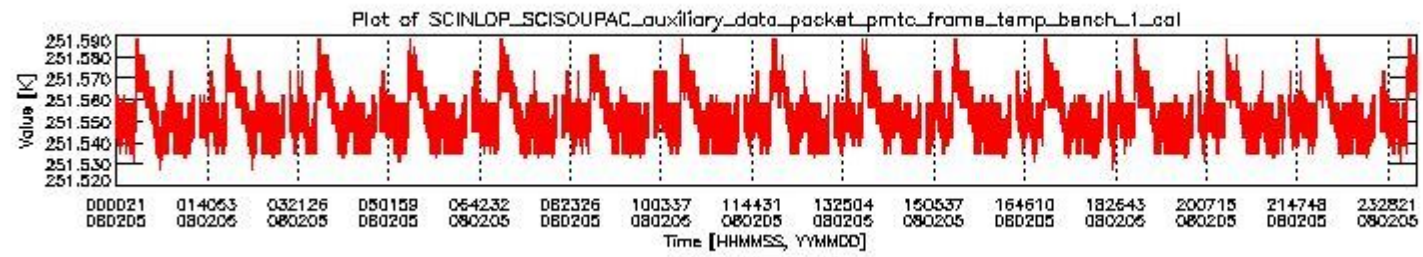
0.1.2 Summary per product

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

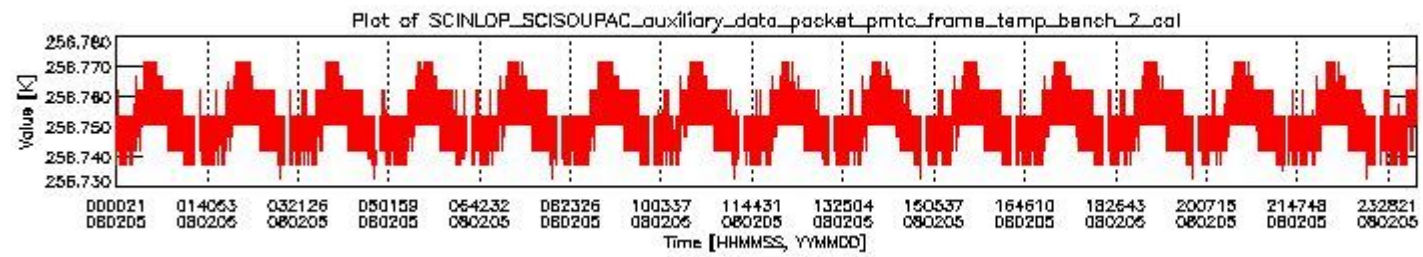
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080204_235127_000055942065_00402_31017_6078.N1	04FEB2008 23:51:27	05FEB2008 01:24:42	0	0	0	0	0
1	SCI_NL__OPNPDE20080205_013203_000043982065_00403_31018_6079.N1	05FEB2008 01:32:03	05FEB2008 02:45:21	0	0	0	0	0
2	SCI_NL__OPNPDE20080205_024425_000059112065_00404_31019_6080.N1	05FEB2008 02:44:25	05FEB2008 04:22:56	0	0	0	0	0
3	SCI_NL__OPNPDE20080205_042200_000060912065_00405_31020_6081.N1	05FEB2008 04:22:00	05FEB2008 06:03:32	0	0	0	0	0
4	SCI_NL__OPNPDK20080205_060223_000040572065_00406_31021_7310.N1	05FEB2008 06:02:23	05FEB2008 07:10:00	0	0	0	0	0
5	SCI_NL__OPNPDK20080205_070852_000062162065_00407_31022_7311.N1	05FEB2008 07:08:52	05FEB2008 08:52:28	0	0	0	0	0
6	SCI_NL__OPNPDK20080205_085132_000060352065_00408_31023_7312.N1	05FEB2008 08:51:32	05FEB2008 10:32:07	0	0	0	0	0
7	SCI_NL__OPNPDK20080205_103207_000059672065_00409_31024_7313.N1	05FEB2008 10:32:07	05FEB2008 12:11:34	0	0	0	0	0
8	SCI_NL__OPNPDK20080205_120930_000060482065_00410_31025_7314.N1	05FEB2008 12:09:30	05FEB2008 13:50:18	0	0	0	0	0
9	SCI_NL__OPNPDK20080205_134909_000059802065_00411_31026_7315.N1	05FEB2008 13:49:09	05FEB2008 15:28:49	0	0	0	0	0
10	SCI_NL__OPNPDK20080205_152753_000058422065_00412_31027_7316.N1	05FEB2008 15:27:53	05FEB2008 17:05:15	0	0	0	0	0
11	SCI_NL__OPNPDK20080205_170515_000058112065_00413_31028_7317.N1	05FEB2008 17:05:15	05FEB2008 18:42:06	0	0	0	0	0
12	SCI_NL__OPNPDK20080205_184206_000060362065_00414_31029_7318.N1	05FEB2008 18:42:06	05FEB2008 20:22:41	0	0	0	0	0
13	SCI_NL__OPNPDE20080205_202241_000041752065_00415_31030_6082.N1	05FEB2008 20:22:41	05FEB2008 21:32:17	0	0	0	0	0
14	SCI_NL__OPNPDE20080205_213909_000055812065_00415_31030_6083.N1	05FEB2008 21:39:09	05FEB2008 23:12:10	0	0	0	0	0
15	SCI_NL__OPNPDE20080205_231944_000055942065_00416_31031_6084.N1	05FEB2008 23:19:44	06FEB2008 00:52:58	0	0	0	0	0

0.2 Product Quality Indicators

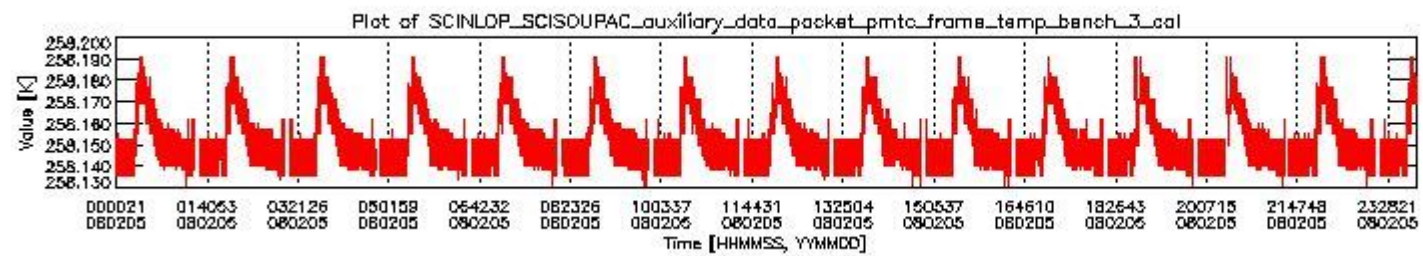
This section shows information about product quality, currently temperatures.



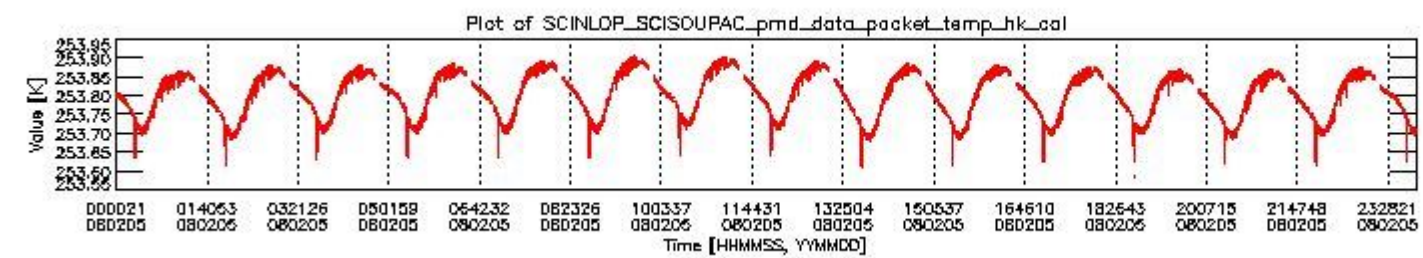
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080205_0.PNG



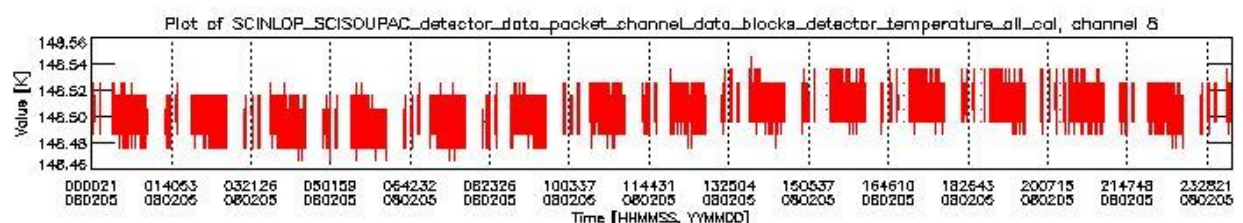
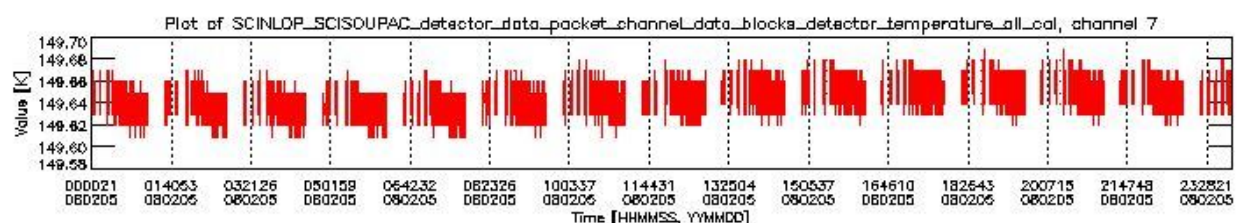
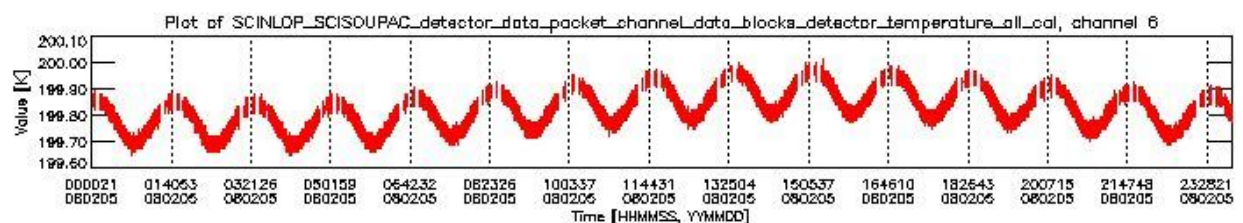
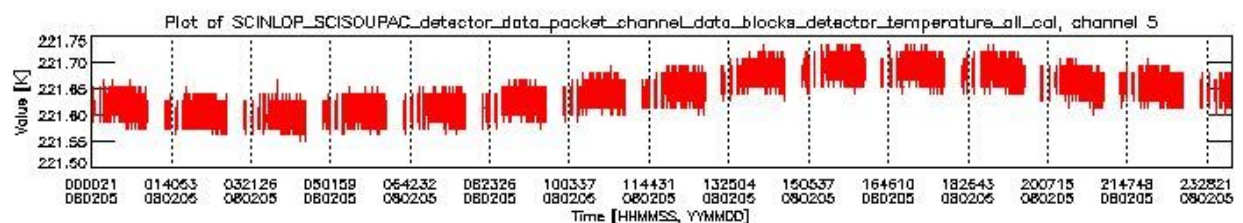
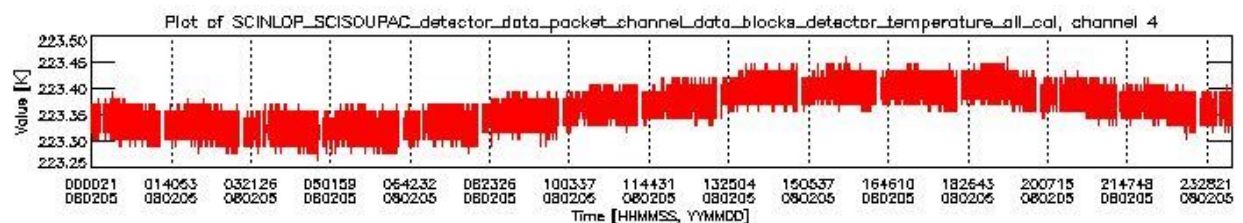
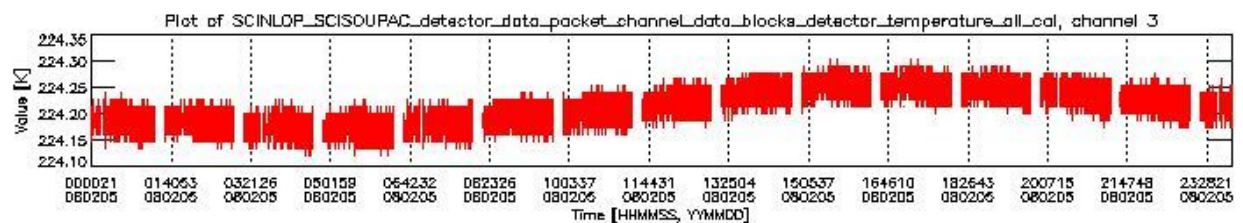
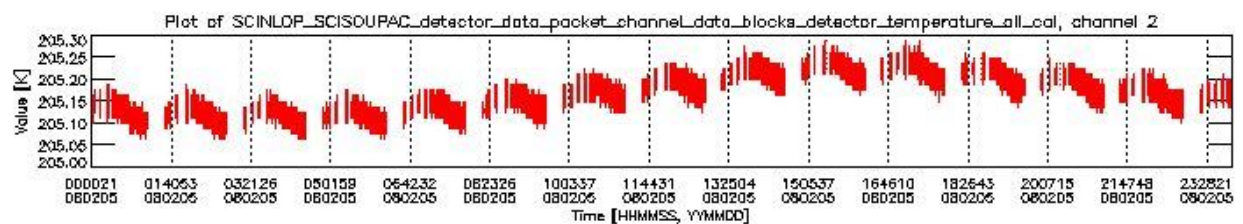
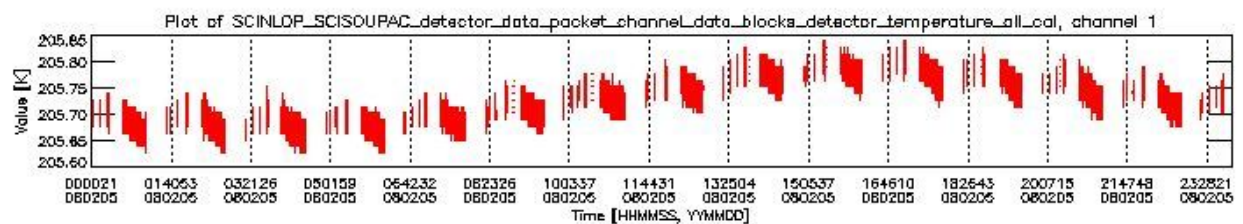
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080205_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080205_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080205_3.PNG

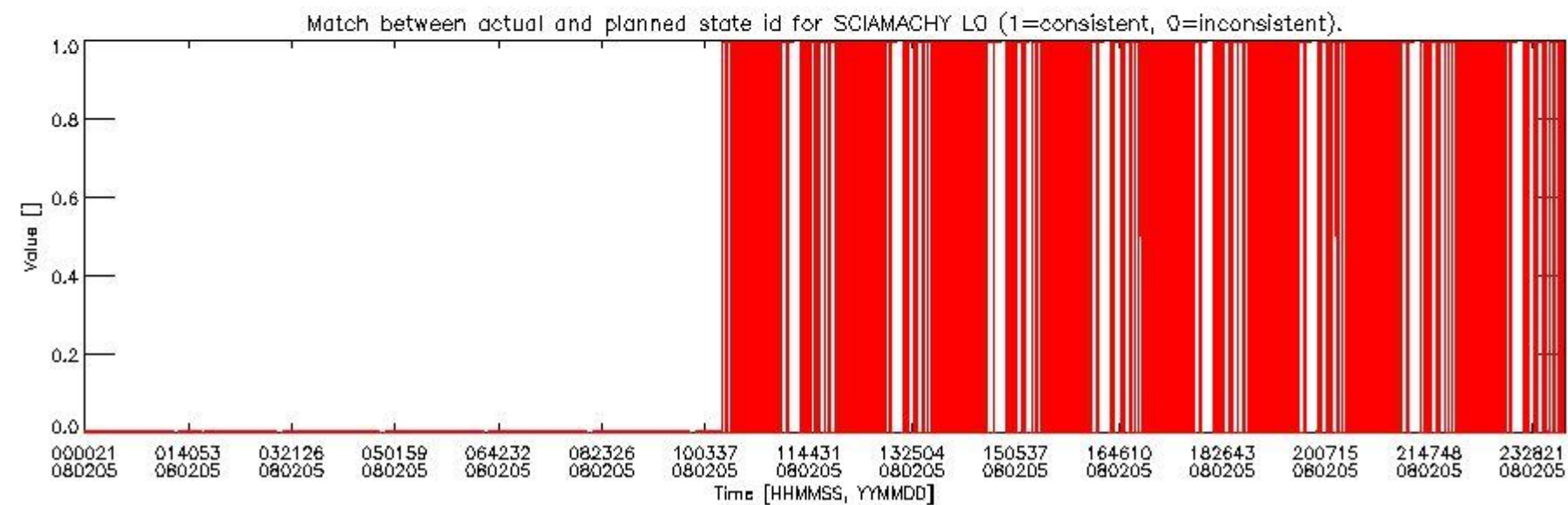
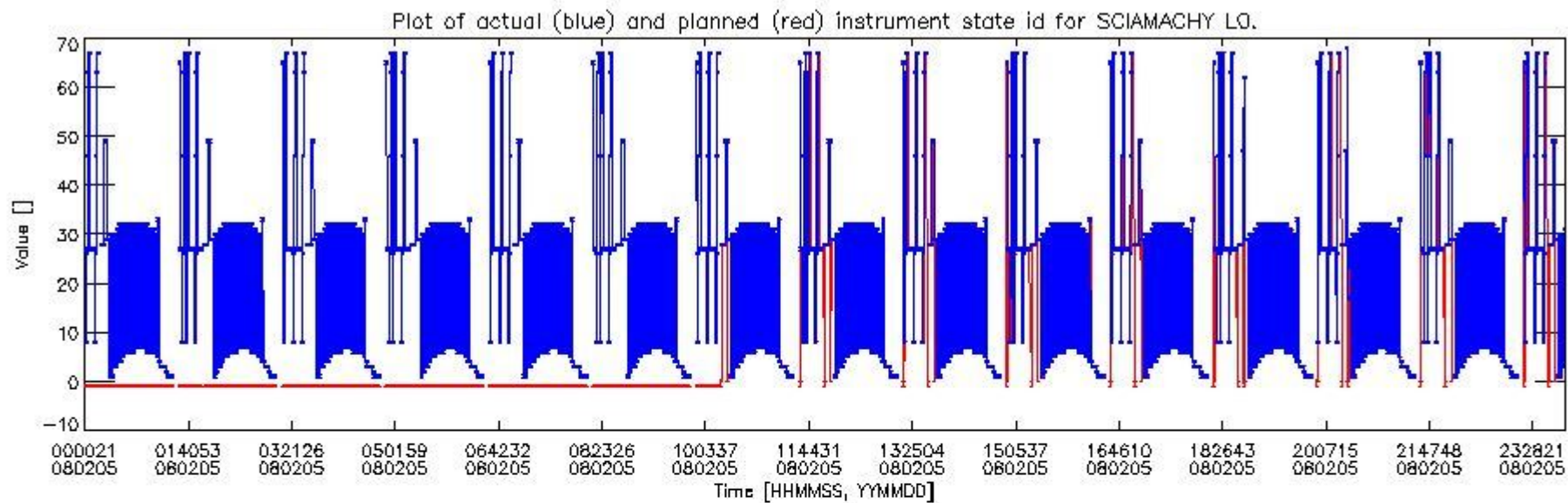


0.3 State monitoring

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: **172645**

#	Actual time	Actual value	Planned time	Planned value
0	05FEB2008 00:00:00.406355	27	05FEB2008 00:00:00.406355	-1
1	05FEB2008 00:00:03.714967	27	05FEB2008 00:00:03.714967	-1
2	05FEB2008 00:00:04.714961	27	05FEB2008 00:00:04.714961	-1
3	05FEB2008 00:00:05.652474	27	05FEB2008 00:00:05.652474	-1
4	05FEB2008 00:00:06.402460	27	05FEB2008 00:00:06.402460	-1
5	05FEB2008 00:00:07.339972	27	05FEB2008 00:00:07.339972	-1
6	05FEB2008 00:00:08.089958	27	05FEB2008 00:00:08.089958	-1
7	05FEB2008 00:00:08.714980	27	05FEB2008 00:00:08.714980	-1
8	05FEB2008 00:00:09.027471	27	05FEB2008 00:00:09.027471	-1
9	05FEB2008 00:00:09.777457	27	05FEB2008 00:00:09.777457	-1
10	05FEB2008 00:00:10.714969	27	05FEB2008 00:00:10.714969	-1
11	05FEB2008 00:00:11.464955	27	05FEB2008 00:00:11.464955	-1
12	05FEB2008 00:00:12.402467	27	05FEB2008 00:00:12.402467	-1
13	05FEB2008 00:00:13.152453	27	05FEB2008 00:00:13.152453	-1
14	05FEB2008 00:00:13.714953	27	05FEB2008 00:00:13.714953	-1
15	05FEB2008 00:00:14.089966	27	05FEB2008 00:00:14.089966	-1
16	05FEB2008 00:00:14.839952	27	05FEB2008 00:00:14.839952	-1
17	05FEB2008 00:00:15.777464	27	05FEB2008 00:00:15.777464	-1
18	05FEB2008 00:00:16.527490	27	05FEB2008 00:00:16.527490	-1
19	05FEB2008 00:00:17.464963	27	05FEB2008 00:00:17.464963	-1

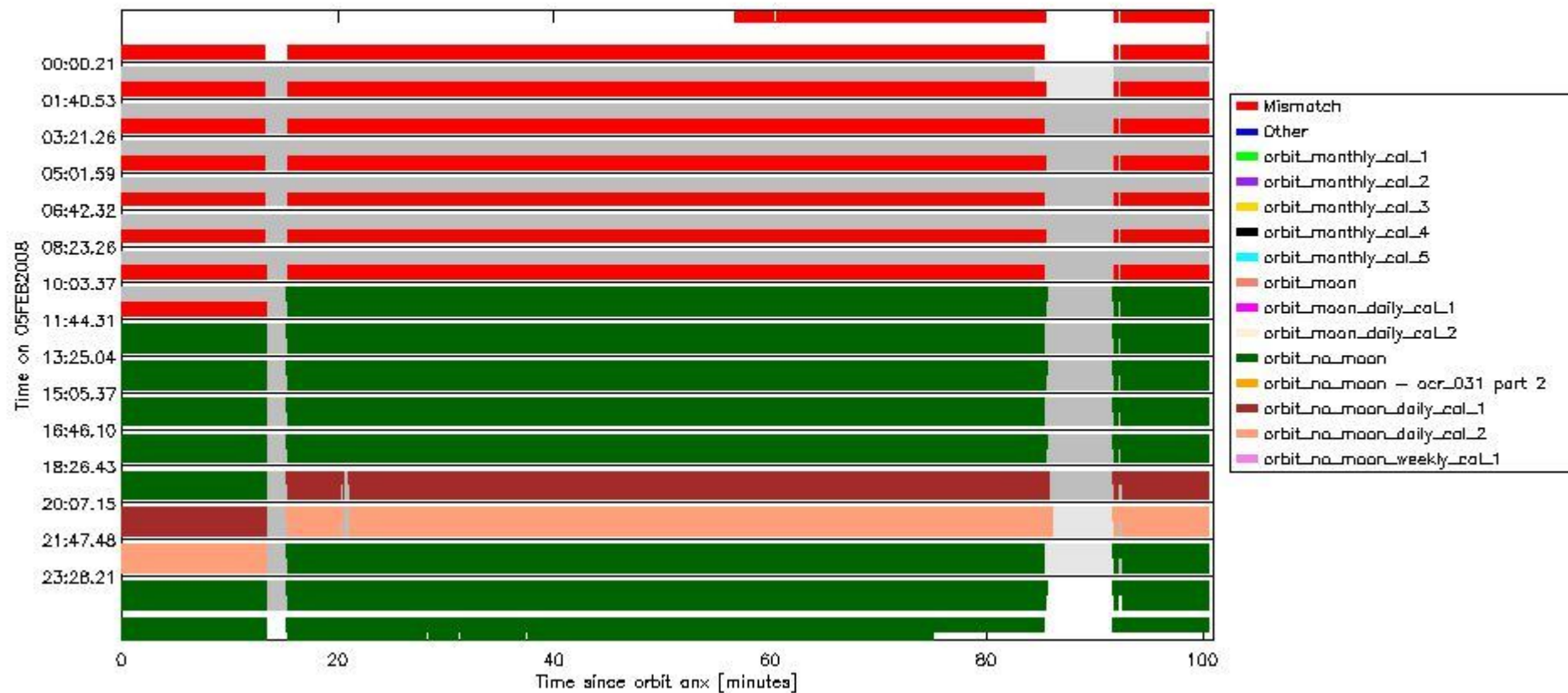


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080205_5.PNG

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 05FEB2008.
 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_20080205_6.PNG

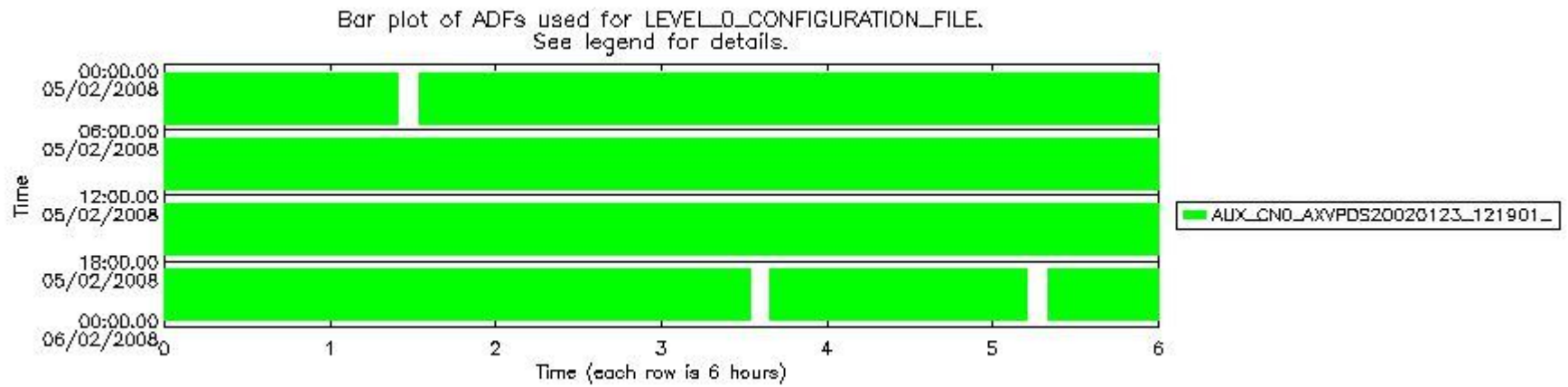
0.4 ADF monitoring

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

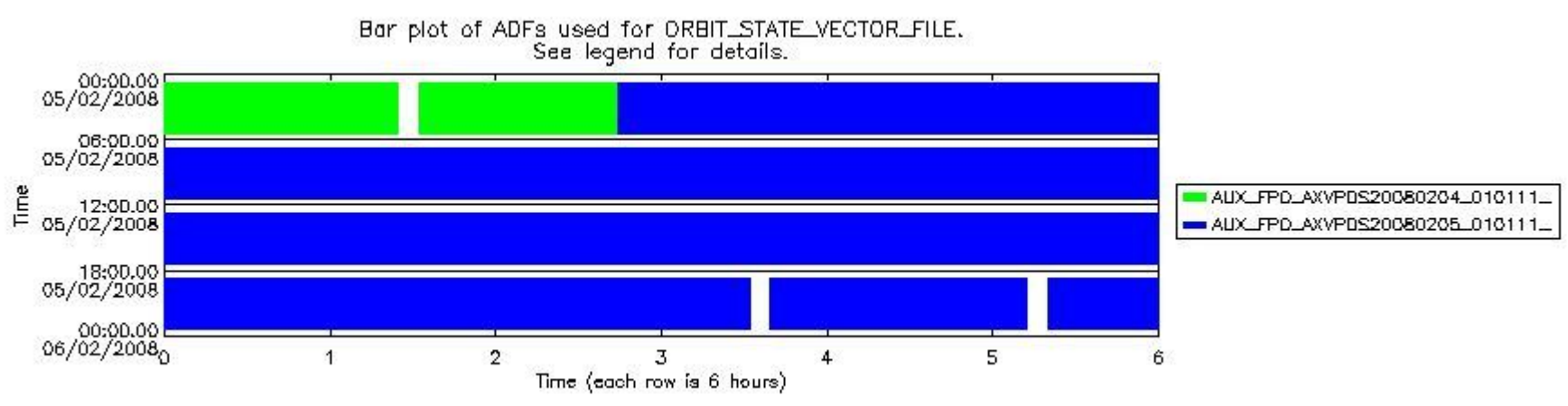
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

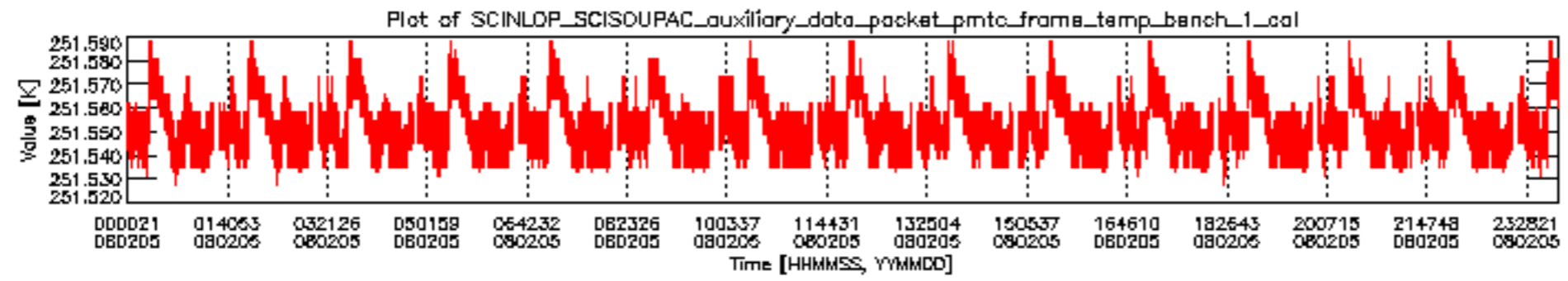
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080204_010111_20080203_193002_20080213_205614
2	AUX_FPO_AXVPDS20080205_010111_20080204_185825_20080214_202437

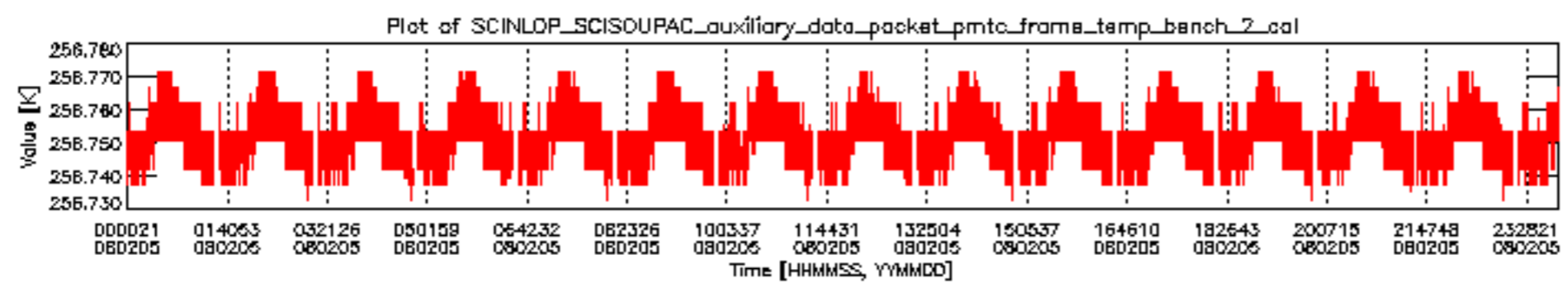


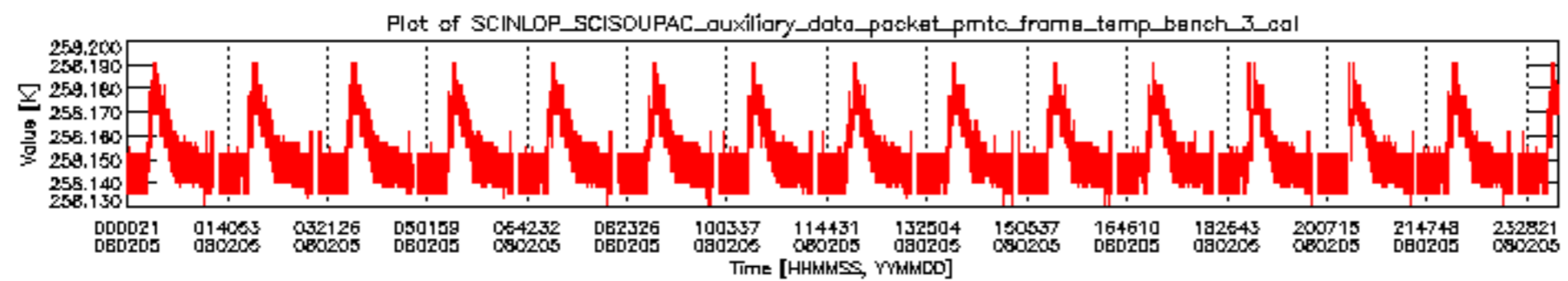
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080205_7.PNG

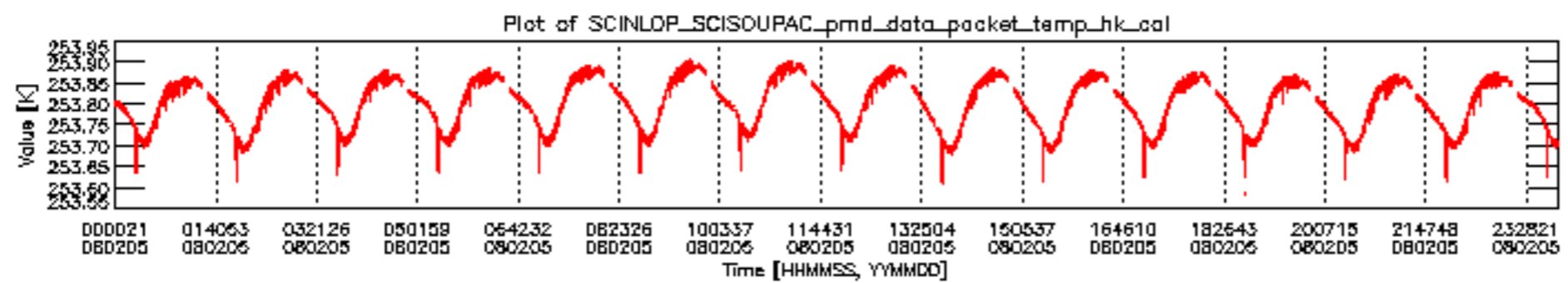


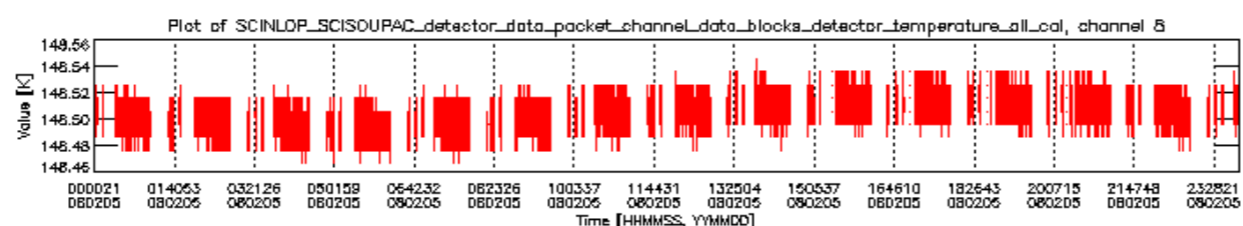
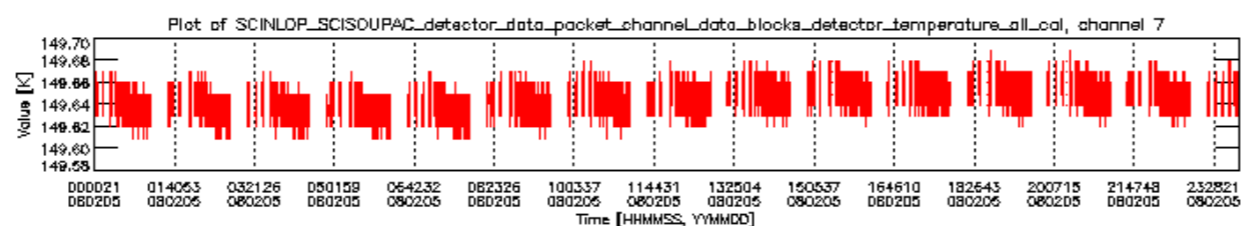
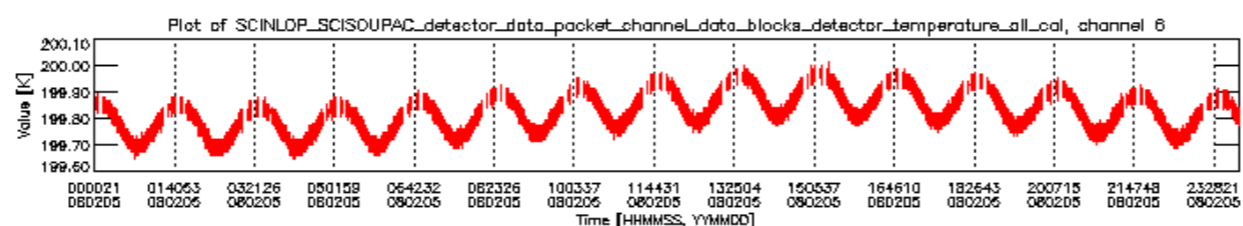
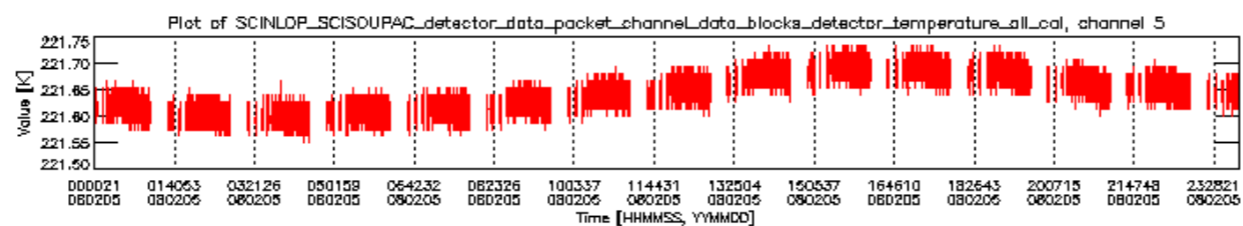
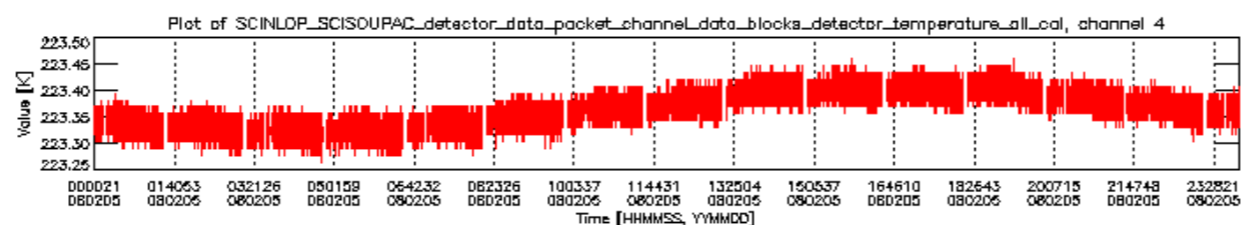
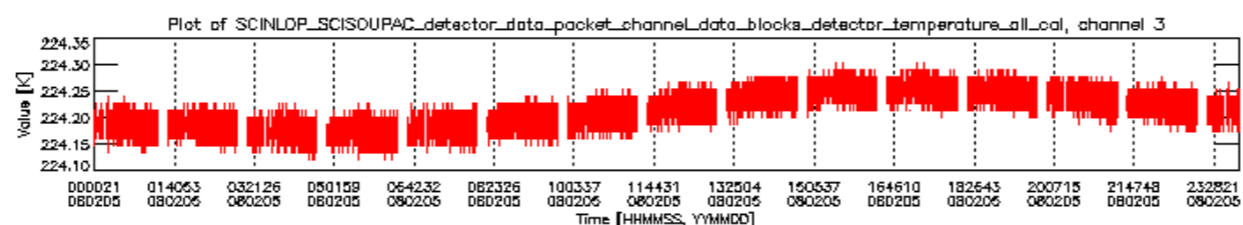
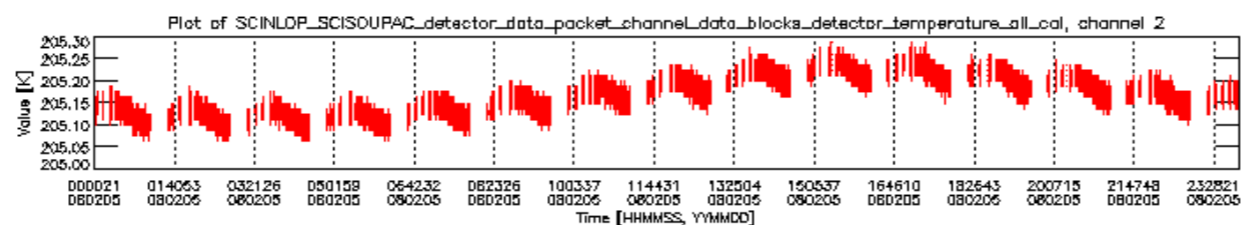
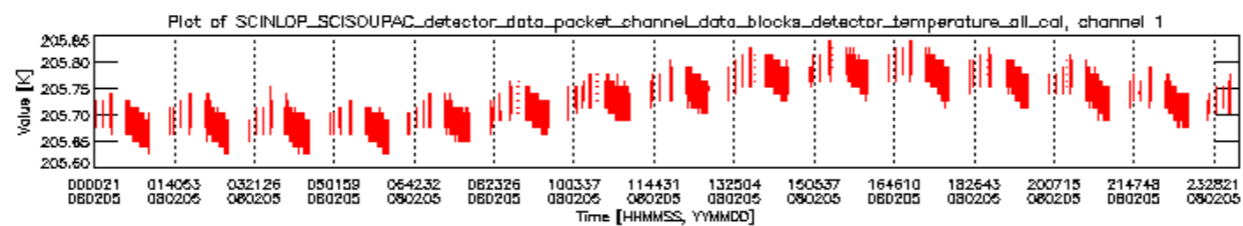
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080205_8.PNG

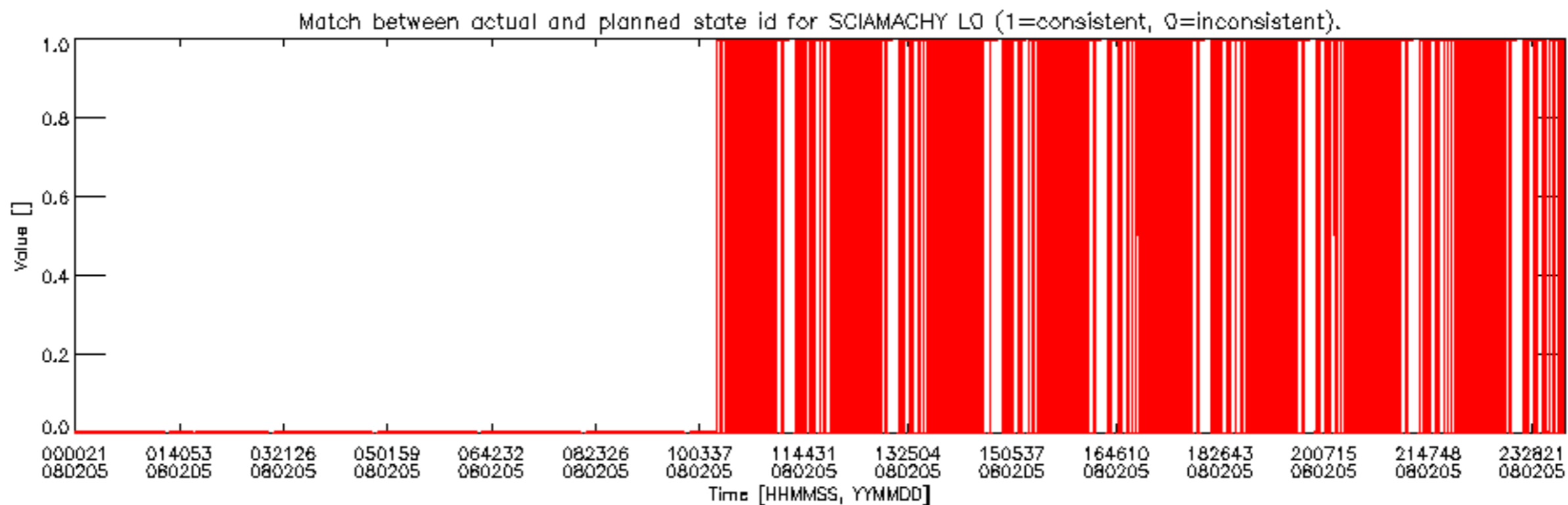
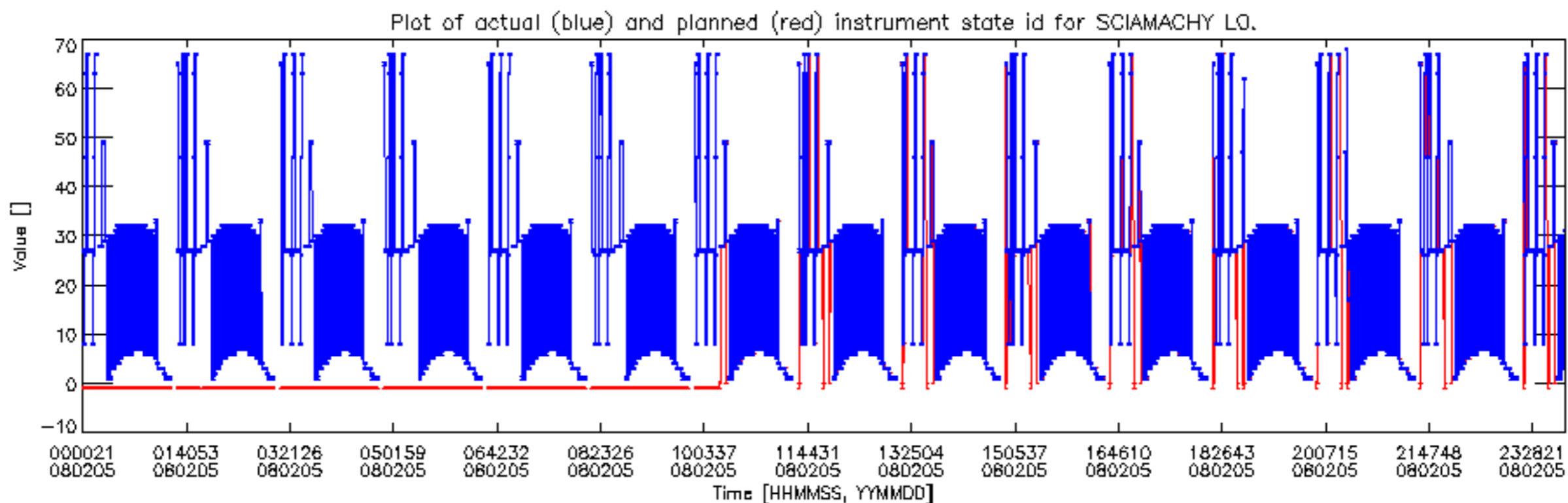












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 05FEB2008.
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