

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	12FEB2008 12:43:13
Data source version	KSPT_L0/4303-N
Processing scope for products	09FEB2008 00:00:00 to 10FEB2008 00:00:00
Start time of first product within scope	08FEB2008 23:25:10
Stop time of last product within scope	10FEB2008 00:26:27
Total number of level 0 products	16
Number of level 0 products with errors	0

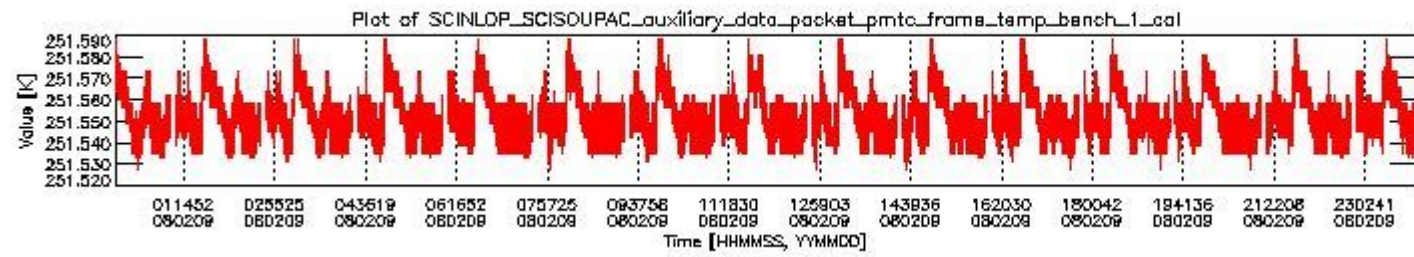
0.1.2 Summary per product

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

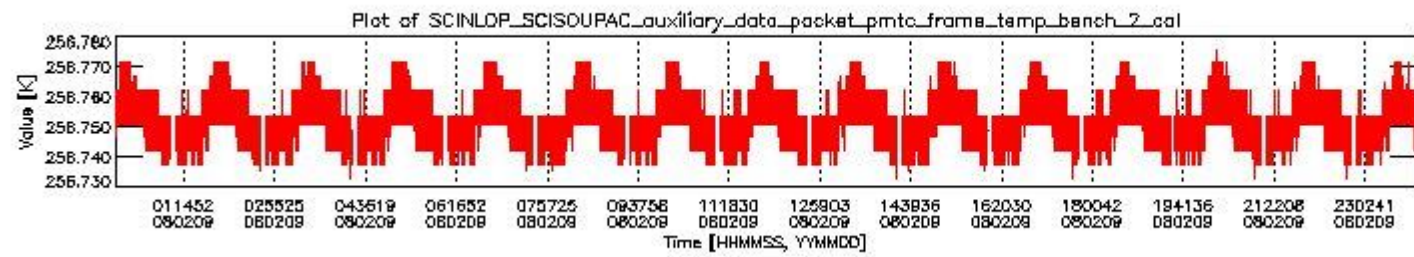
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080208_232510_000055802065_00459_31074_6103.N1	08FEB2008 23:25:10	09FEB2008 00:58:11	0	0	0	0	0
1	SCI_NL__OPNPDE20080209_010546_000044662065_00460_31075_6104.N1	09FEB2008 01:05:46	09FEB2008 02:20:11	0	0	0	0	0
2	SCI_NL__OPNPDE20080209_021916_000058422065_00461_31076_6105.N1	09FEB2008 02:19:16	09FEB2008 03:56:38	0	0	0	0	0
3	SCI_NL__OPNPDE20080209_035529_000061042065_00462_31077_6106.N1	09FEB2008 03:55:29	09FEB2008 05:37:14	0	0	0	0	0
4	SCI_NL__OPNPDE20080209_053618_000061472065_00463_31078_6107.N1	09FEB2008 05:36:18	09FEB2008 07:18:45	0	0	0	0	0
5	SCI_NL__OPNPDK20080209_071749_000039892065_00464_31079_7344.N1	09FEB2008 07:17:49	09FEB2008 08:24:18	0	0	0	0	0
6	SCI_NL__OPNPDK20080209_082309_000062162065_00465_31080_7345.N1	09FEB2008 08:23:09	09FEB2008 10:06:45	0	0	0	0	0
7	SCI_NL__OPNPDK20080209_100549_000060352065_00466_31081_7346.N1	09FEB2008 10:05:49	09FEB2008 11:46:25	0	0	0	0	0
8	SCI_NL__OPNPDK20080209_114420_000060352065_00467_31082_7347.N1	09FEB2008 11:44:20	09FEB2008 13:24:56	0	0	0	0	0
9	SCI_NL__OPNPDK20080209_132347_000059242065_00468_31083_7348.N1	09FEB2008 13:23:47	09FEB2008 15:02:31	0	0	0	0	0
10	SCI_NL__OPNPDK20080209_150135_000058422065_00469_31084_7349.N1	09FEB2008 15:01:35	09FEB2008 16:38:57	0	0	0	0	0
11	SCI_NL__OPNPDK20080209_163857_000059232065_00470_31085_7350.N1	09FEB2008 16:38:57	09FEB2008 18:17:39	0	0	0	0	0
12	SCI_NL__OPNPDK20080209_181643_000060912065_00471_31086_7351.N1	09FEB2008 18:16:43	09FEB2008 19:58:15	0	0	0	0	0
13	SCI_NL__OPNPDE20080209_195623_000040252065_00472_31087_6108.N1	09FEB2008 19:56:23	09FEB2008 21:03:28	0	0	0	0	0
14	SCI_NL__OPNPDE20080209_210328_000061562065_00472_31087_6109.N1	09FEB2008 21:03:28	09FEB2008 22:46:05	0	0	0	0	0
15	SCI_NL__OPNPDE20080209_225327_000055802065_00473_31088_6110.N1	09FEB2008 22:53:27	10FEB2008 00:26:27	0	0	0	0	0

0.2 Product Quality Indicators

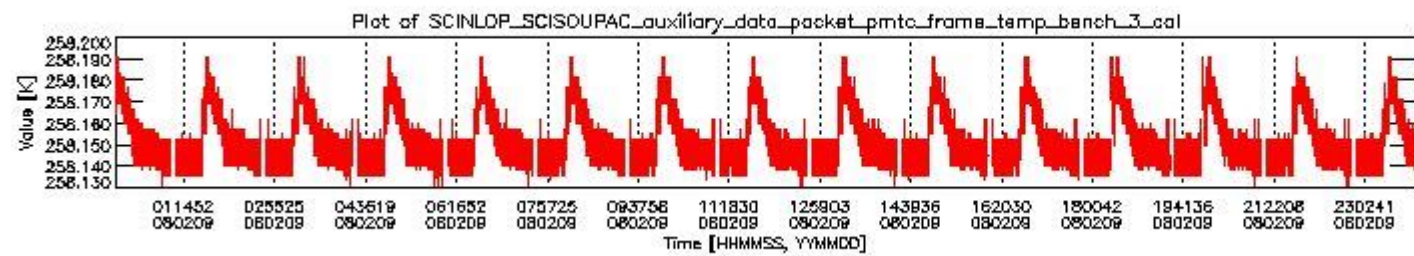
This section shows information about product quality, currently temperatures.



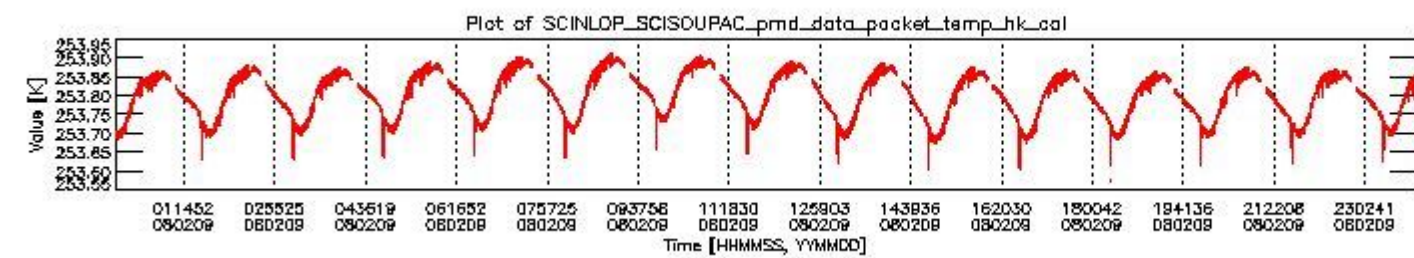
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080209_0.PNG



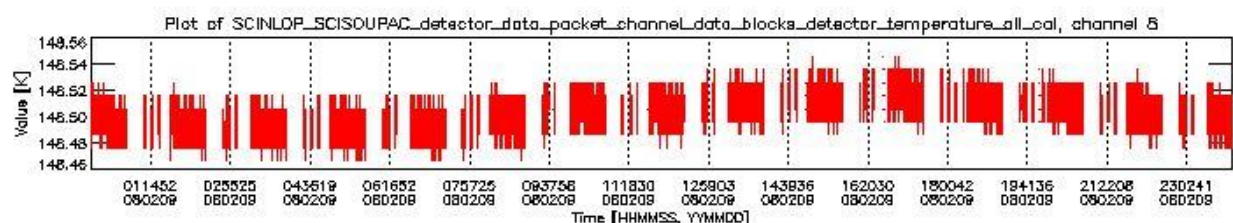
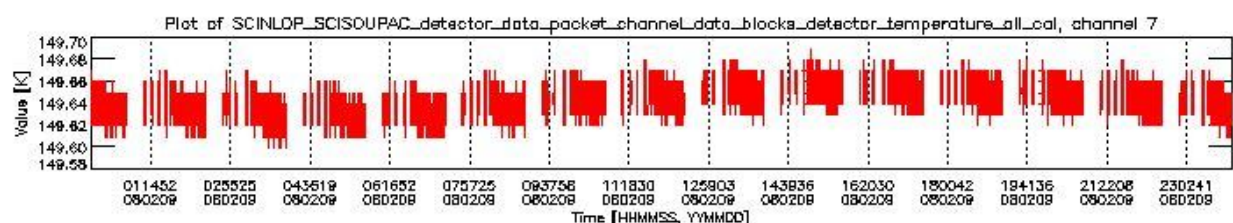
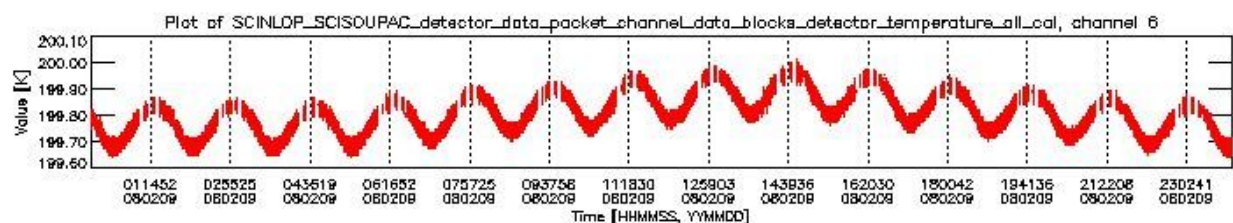
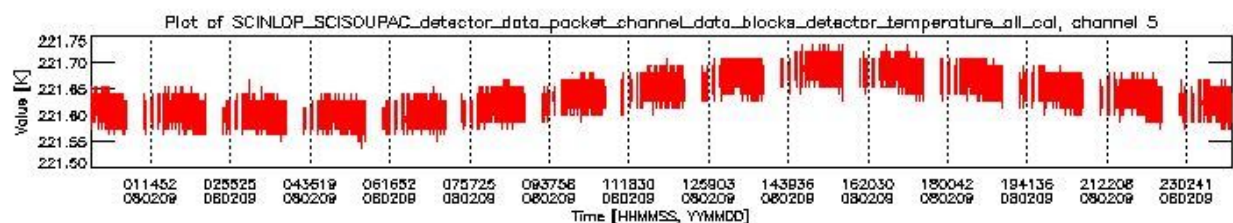
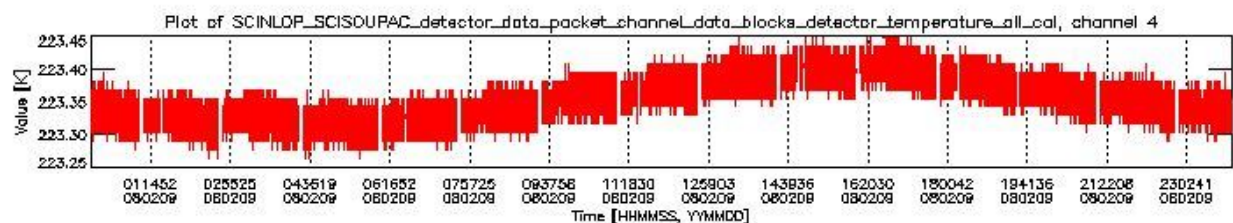
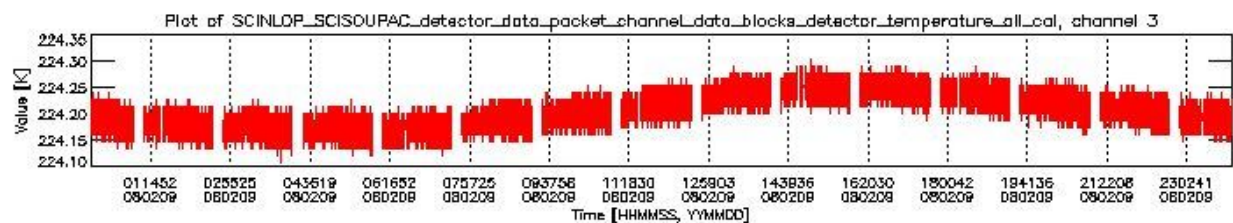
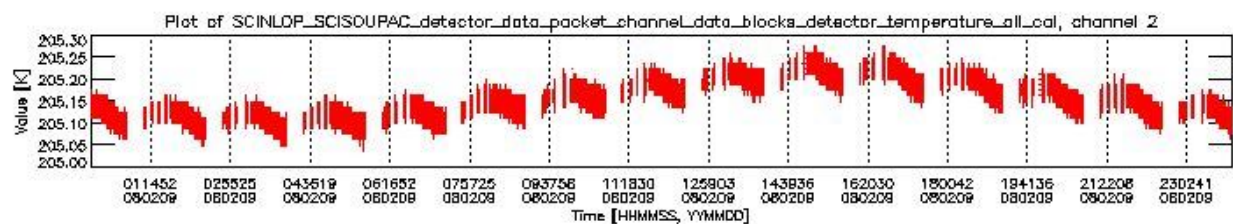
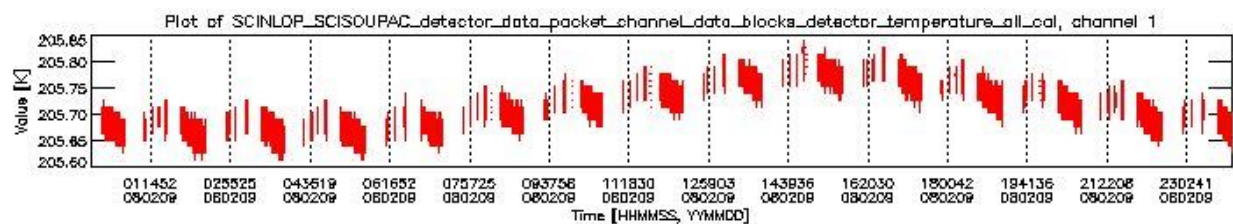
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080209_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080209_3.PNG

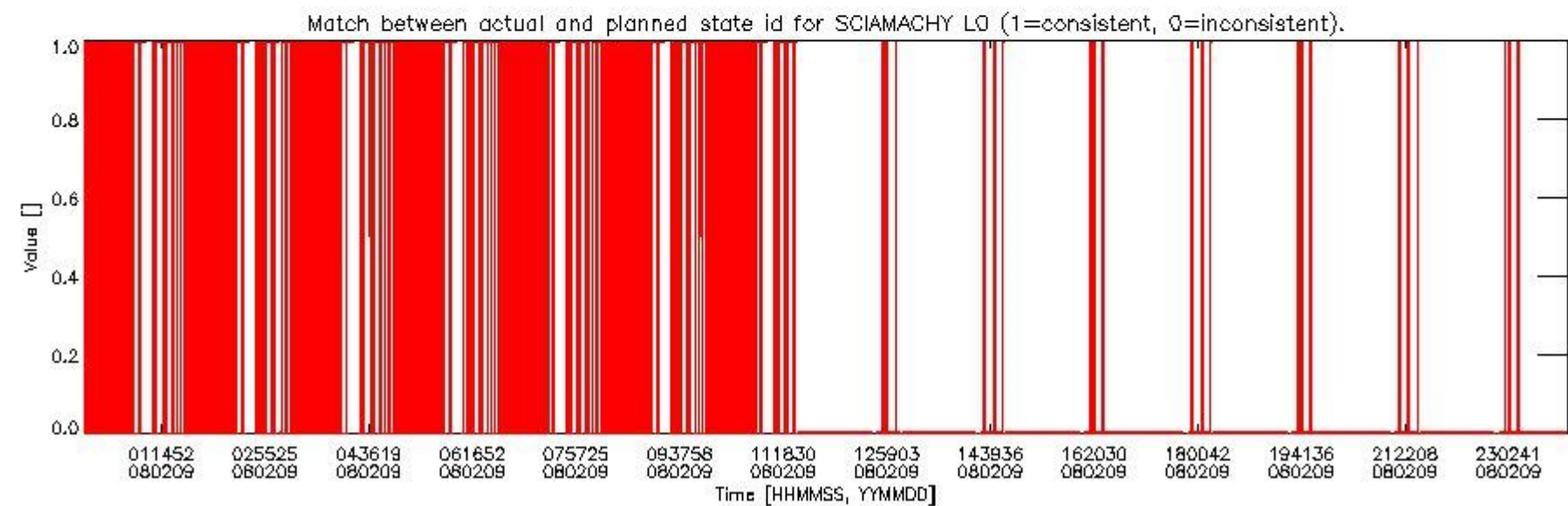
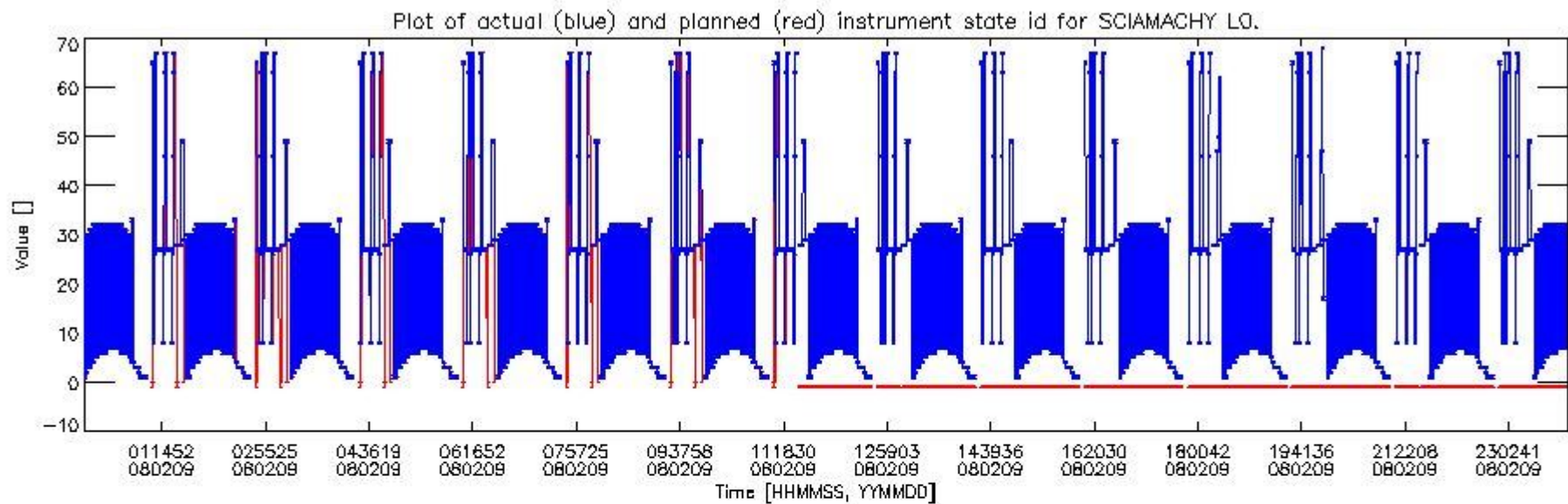


0.3 State monitoring

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: **216833**

#	Actual time	Actual value	Planned time	Planned value
0	09FEB2008 00:00:12.399128	30	09FEB2008 00:00:12.399128	1
1	09FEB2008 00:00:13.024110	30	09FEB2008 00:00:13.024110	1
2	09FEB2008 00:00:13.399123	30	09FEB2008 00:00:13.399123	1
3	09FEB2008 00:00:13.774095	30	09FEB2008 00:00:13.774095	1
4	09FEB2008 00:00:14.336595	30	09FEB2008 00:00:14.336595	1
5	09FEB2008 00:00:14.711608	30	09FEB2008 00:00:14.711608	1
6	09FEB2008 00:00:15.086621	30	09FEB2008 00:00:15.086621	1
7	09FEB2008 00:00:15.461634	30	09FEB2008 00:00:15.461634	1
8	09FEB2008 00:00:16.024134	30	09FEB2008 00:00:16.024134	1
9	09FEB2008 00:00:16.399106	30	09FEB2008 00:00:16.399106	1
10	09FEB2008 00:00:16.774119	30	09FEB2008 00:00:16.774119	1
11	09FEB2008 00:00:17.149132	30	09FEB2008 00:00:17.149132	1
12	09FEB2008 00:00:17.399101	30	09FEB2008 00:00:17.399101	1
13	09FEB2008 00:00:17.711632	30	09FEB2008 00:00:17.711632	1
14	09FEB2008 00:00:18.086605	30	09FEB2008 00:00:18.086605	1
15	09FEB2008 00:00:18.461618	30	09FEB2008 00:00:18.461618	1
16	09FEB2008 00:00:18.836631	30	09FEB2008 00:00:18.836631	1
17	09FEB2008 00:00:19.399130	30	09FEB2008 00:00:19.399130	1
18	09FEB2008 00:00:19.774103	30	09FEB2008 00:00:19.774103	1
19	09FEB2008 00:00:20.149116	30	09FEB2008 00:00:20.149116	1

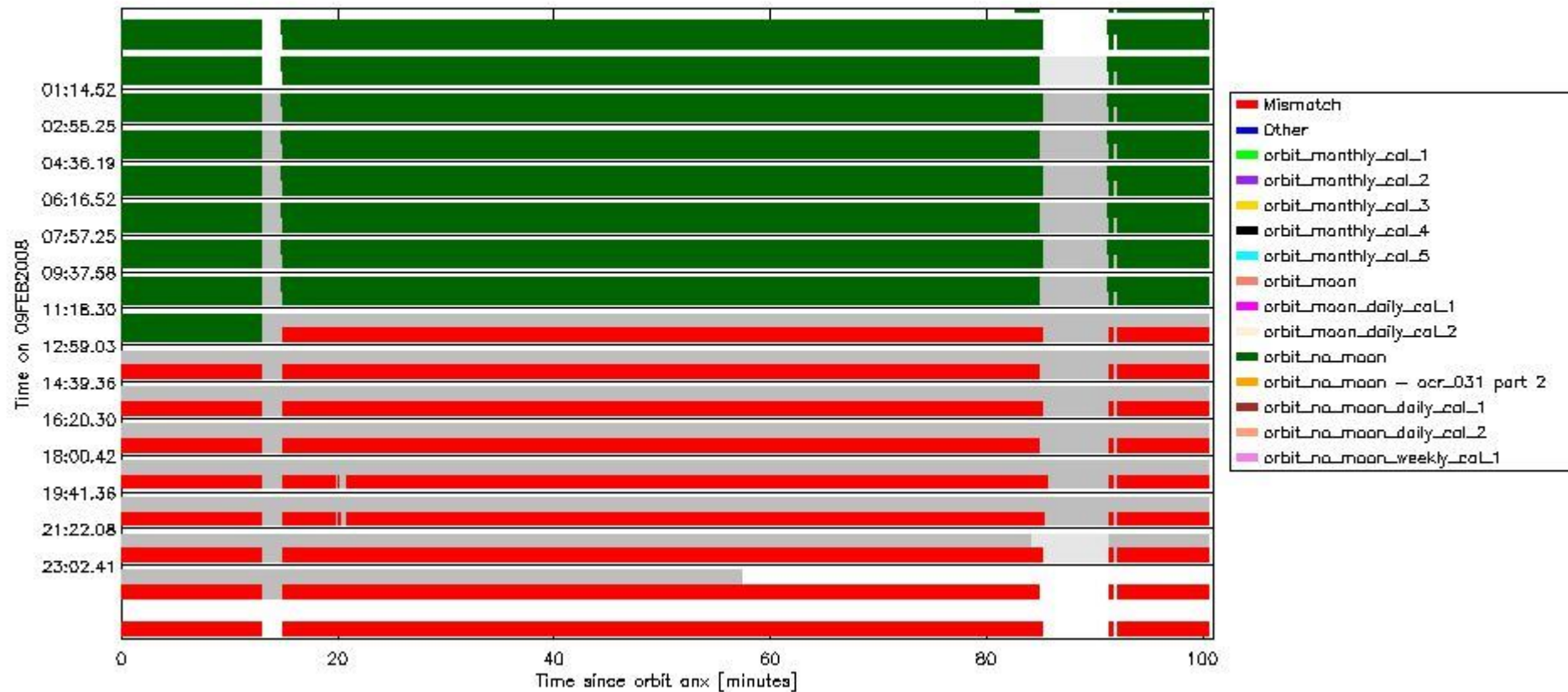


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080209_5.PNG

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 09FEB2008.
 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_20080209_6.PNG

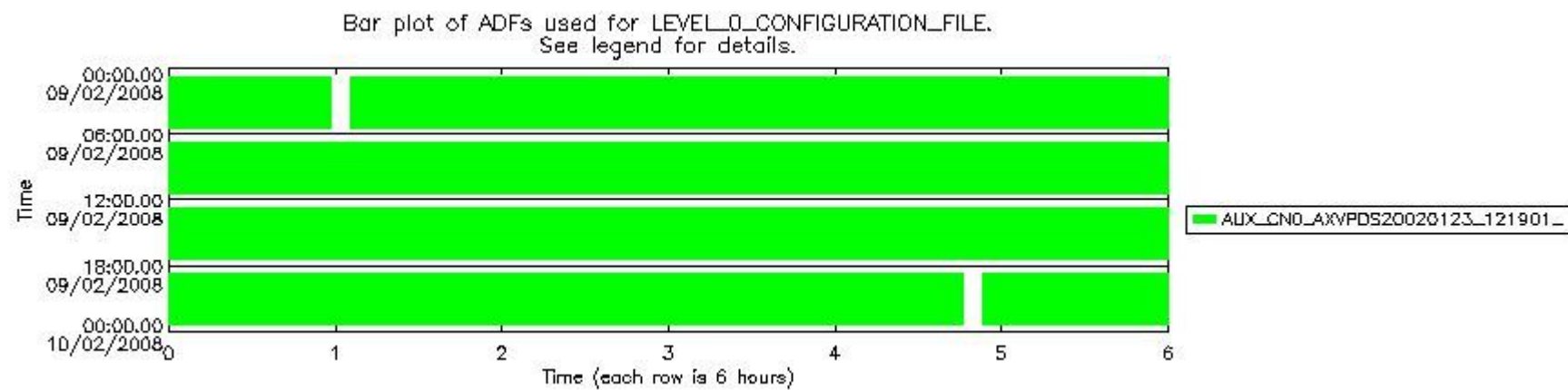
0.4 ADF monitoring

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

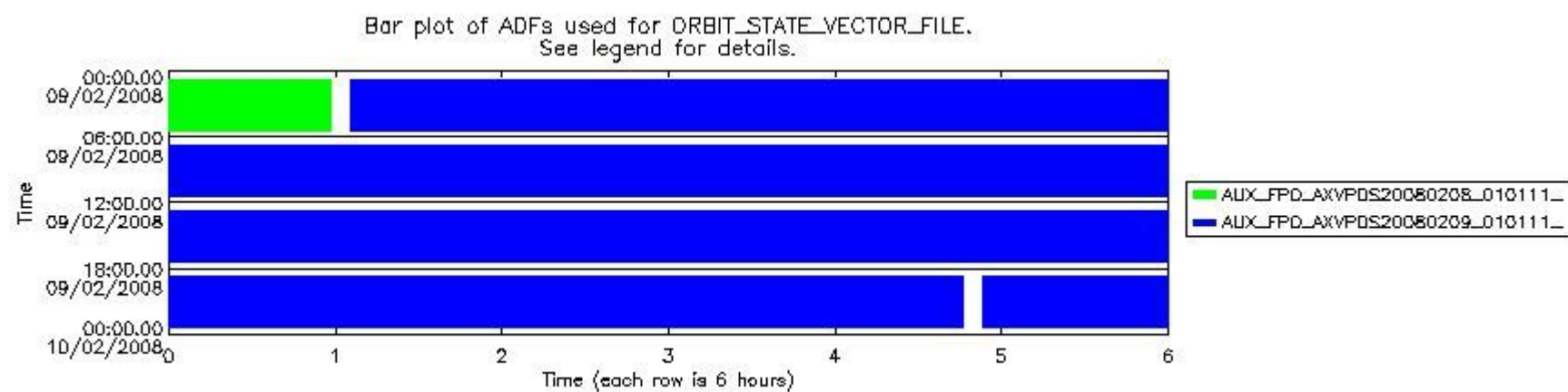
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

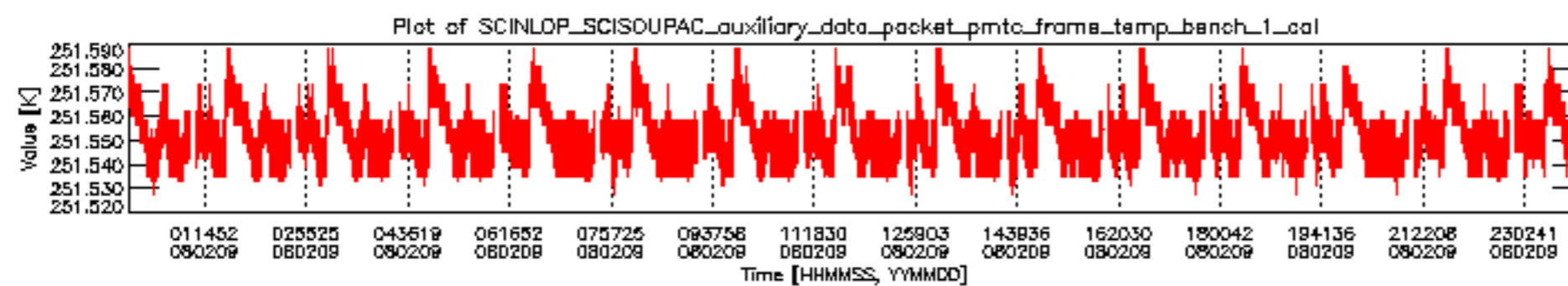
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080208_010111_20080207_190409_20080217_203021
2	AUX_FPO_AXVPDS20080209_010111_20080208_183232_20080218_213920

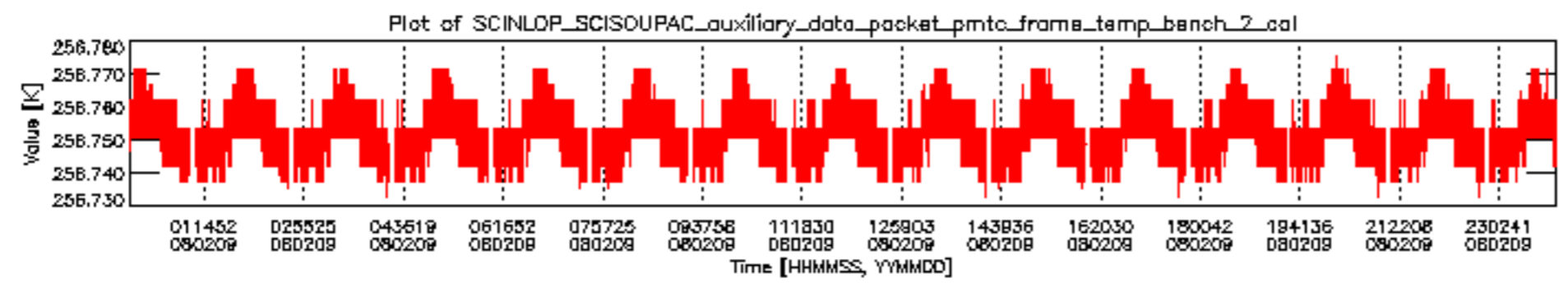


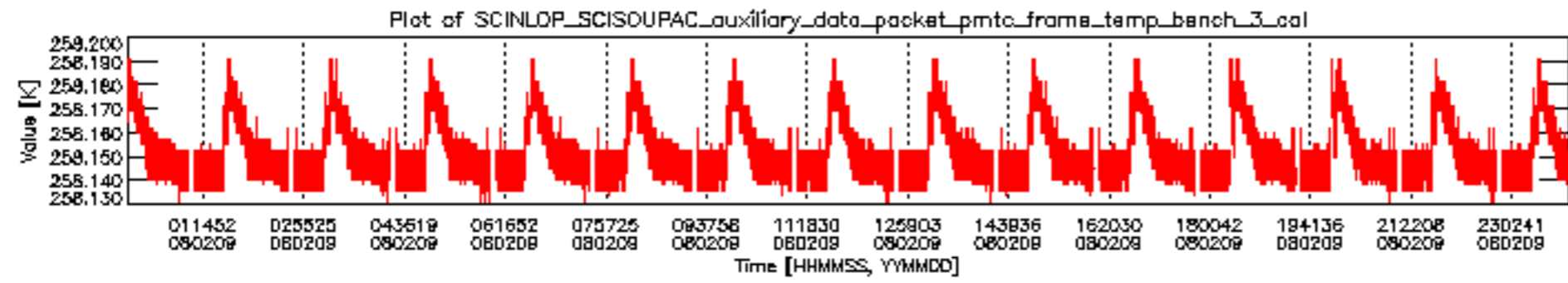
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080209_7.PNG

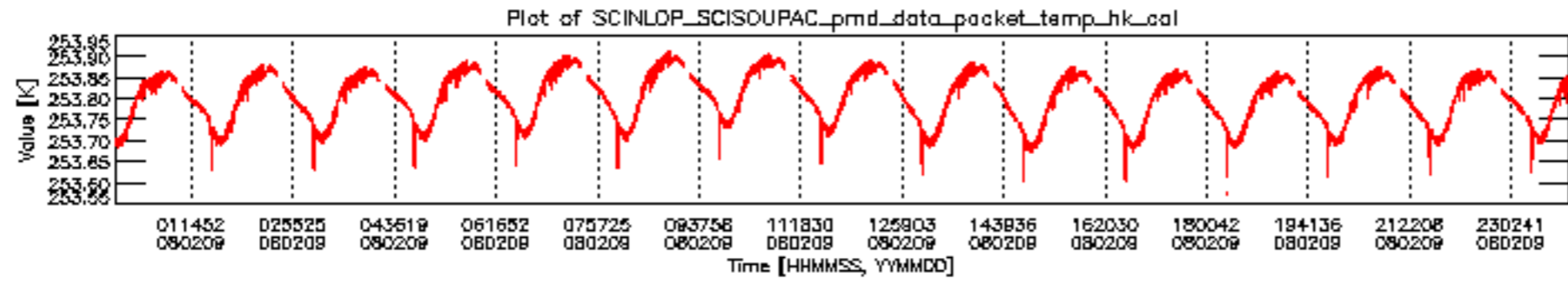


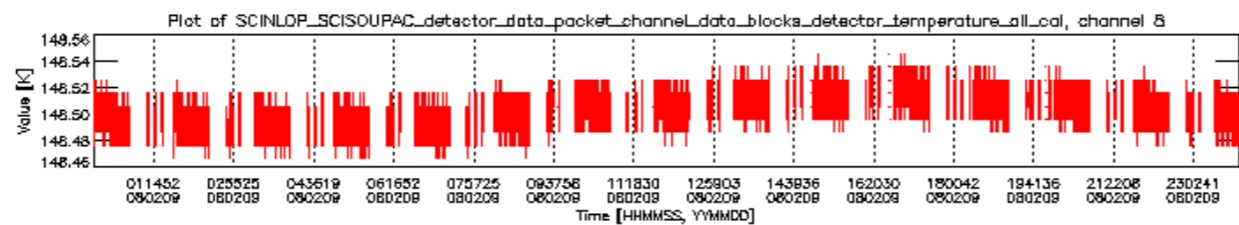
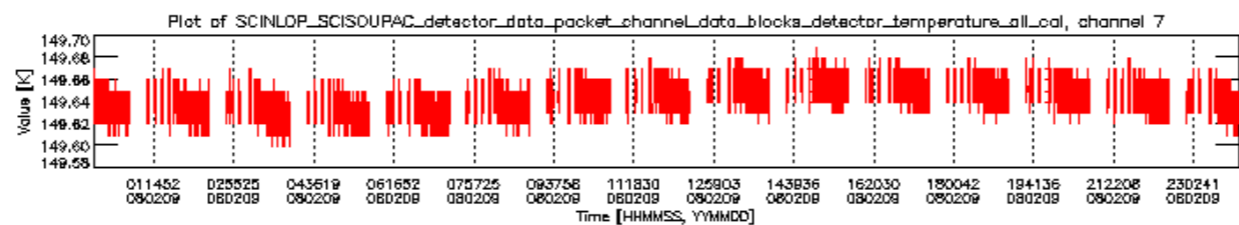
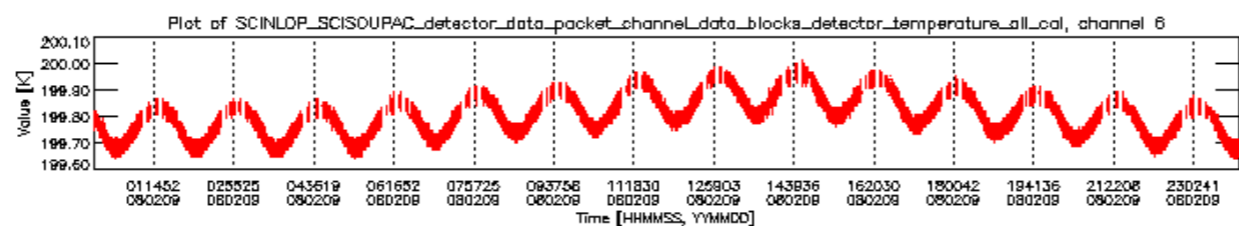
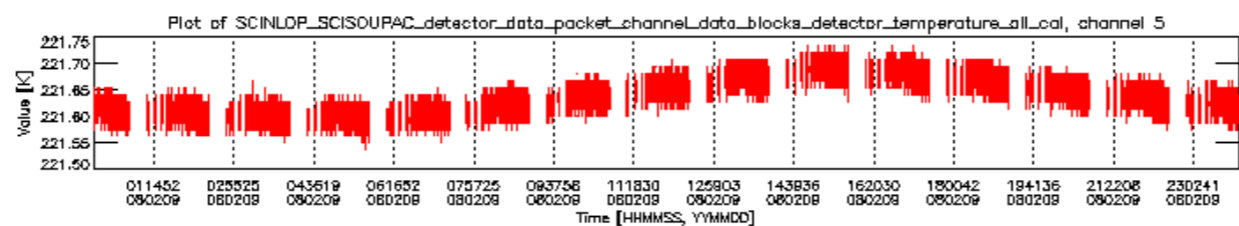
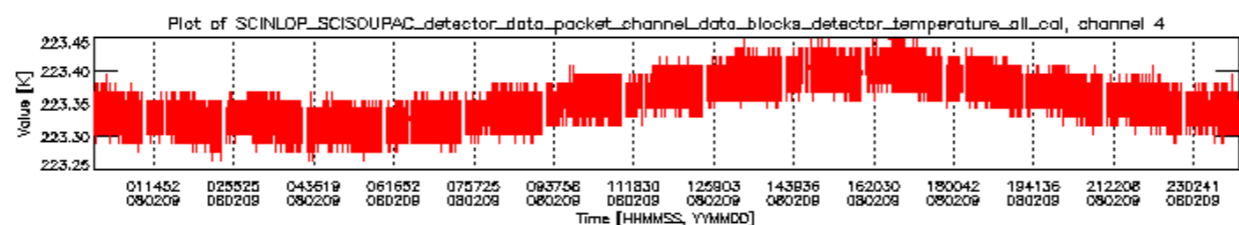
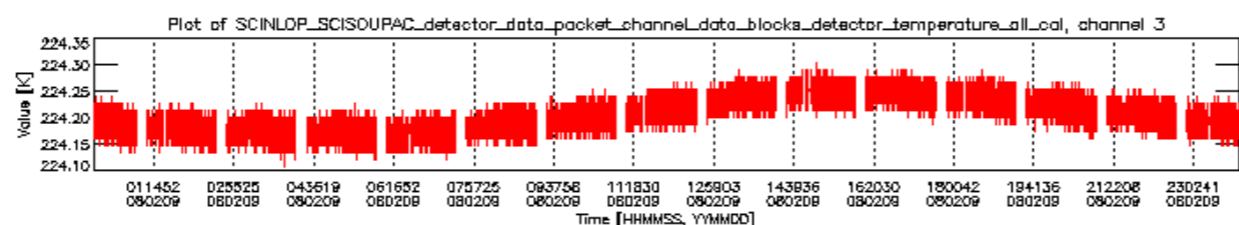
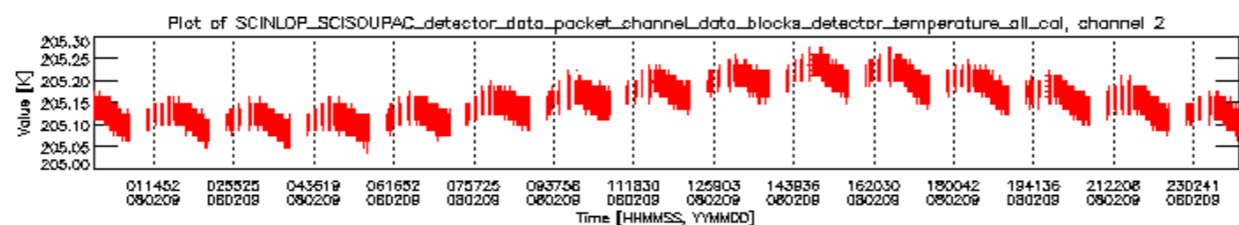
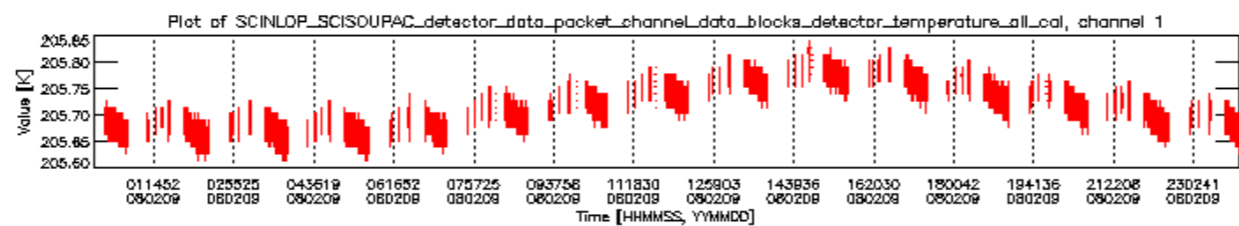
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080209_8.PNG

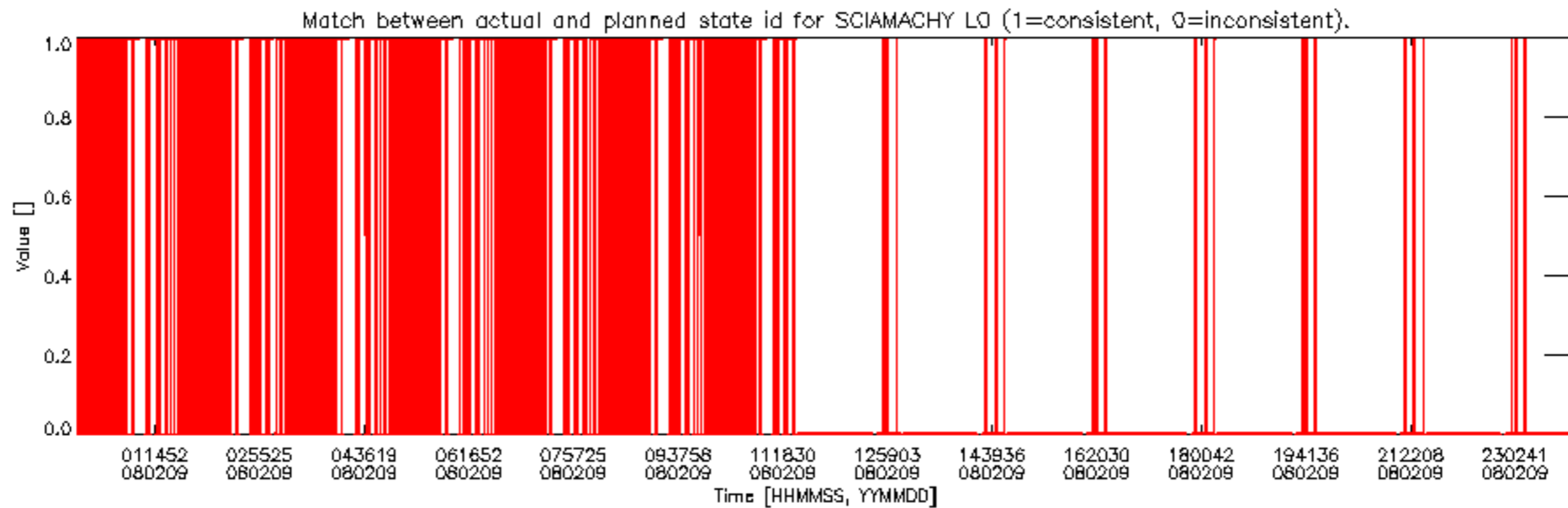
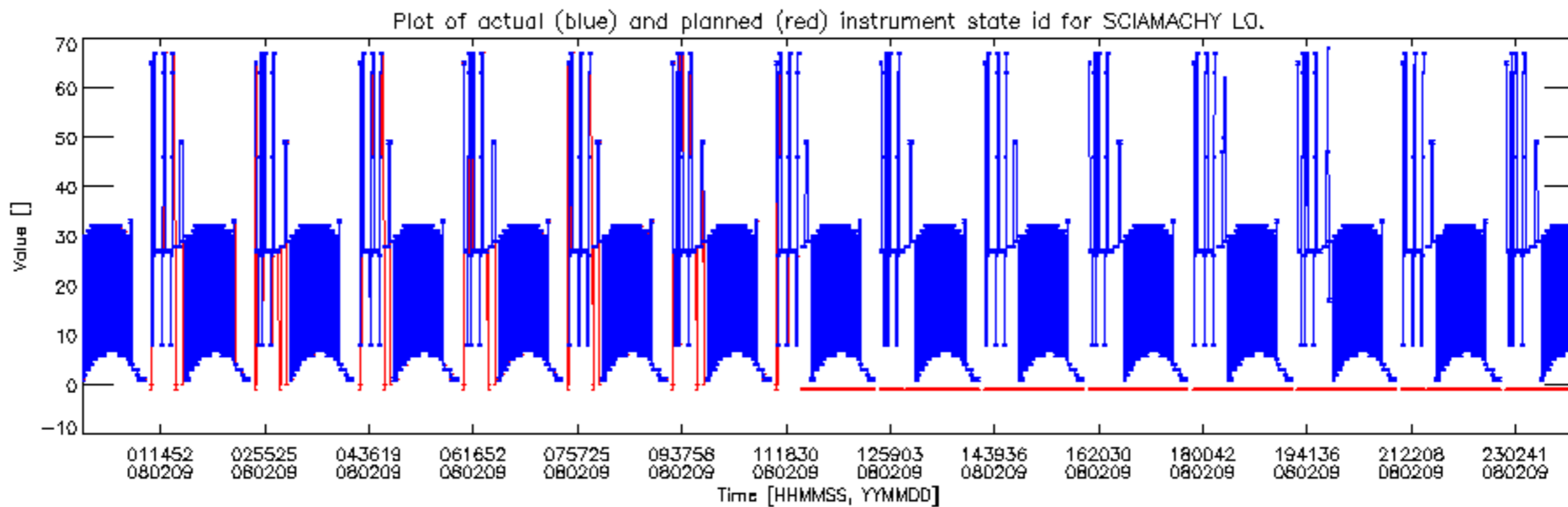












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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