

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	10JAN2009 05:19:23
Data source version	KSPT_L0/4303-N
Processing scope for products	06JAN2009 00:00:00 to 07JAN2009 00:00:00
Start time of first product within scope	06JAN2009 12:52:27
Stop time of last product within scope	06JAN2009 23:54:46
Total number of level 0 products	7
Number of level 0 products with errors	1

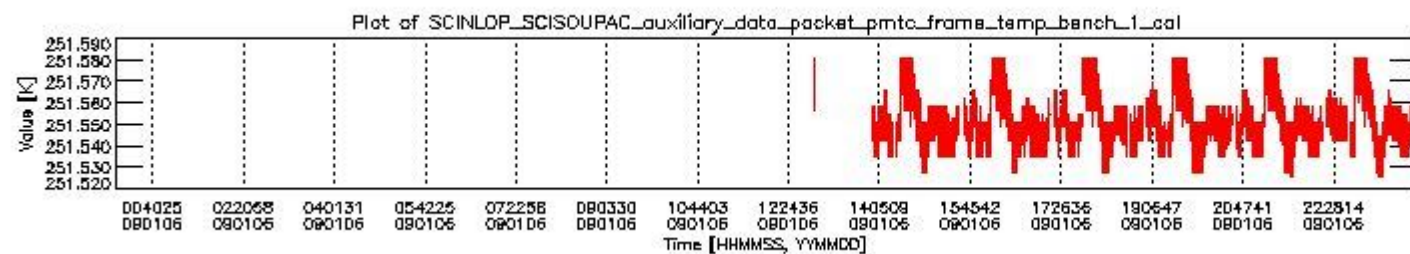
0.1.2 Summary per product

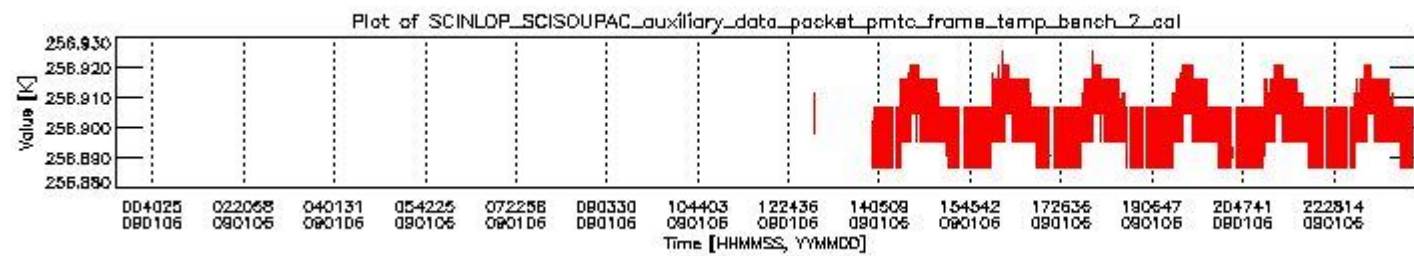
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20090106_125227_000056522075_00210_35835_0381.N1	06JAN2009 12:52:27	06JAN2009 14:26:39	0	0	0	0	0
1	SCI_NL__0PNPDK20090106_142639_000060362075_00211_35836_0382.N1	06JAN2009 14:26:39	06JAN2009 16:07:15	1	1	0	0	0
2	SCI_NL__0PNPDK20090106_160618_000058682075_00212_35837_0383.N1	06JAN2009 16:06:18	06JAN2009 17:44:06	0	0	0	0	0
3	SCI_NL__0PNPDK20090106_174406_000058402075_00213_35838_0384.N1	06JAN2009 17:44:06	06JAN2009 19:21:26	0	0	0	0	0
4	SCI_NL__0PNPDK20090106_192442_000060362075_00214_35839_0385.N1	06JAN2009 19:24:42	06JAN2009 21:05:17	0	0	0	0	0
5	SCI_NL__0PNPDE20090106_210517_000041462075_00215_35840_8237.N1	06JAN2009 21:05:17	06JAN2009 22:14:24	0	0	0	0	0
6	SCI_NL__0PNPDE20090106_221315_000060922075_00215_35840_8238.N1	06JAN2009 22:13:15	06JAN2009 23:54:46	0	0	0	0	0

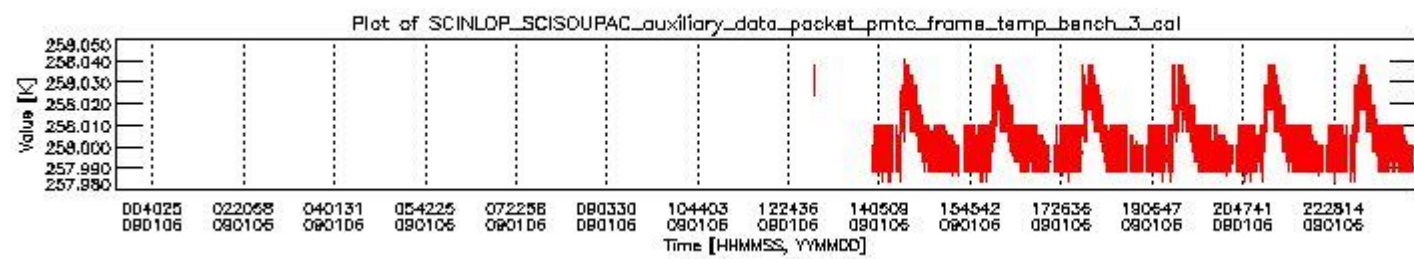
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

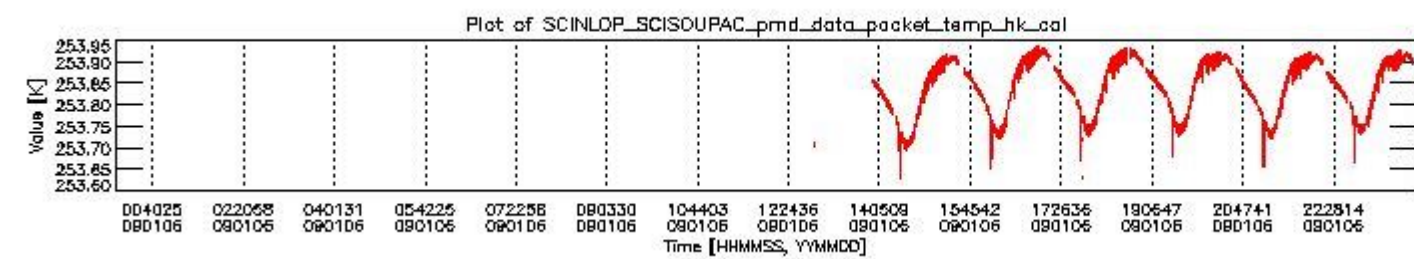




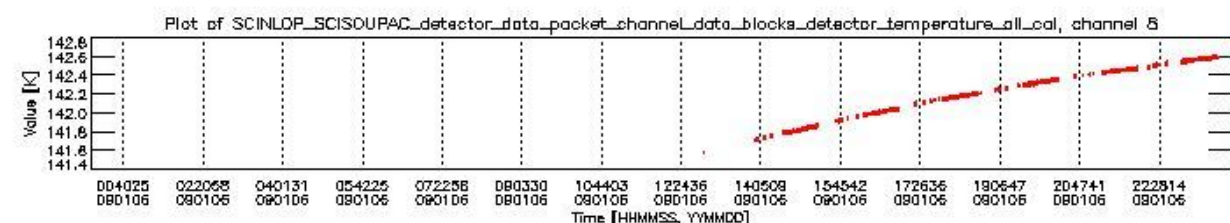
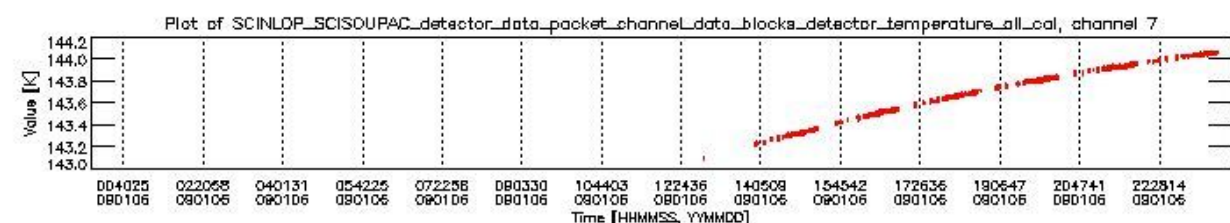
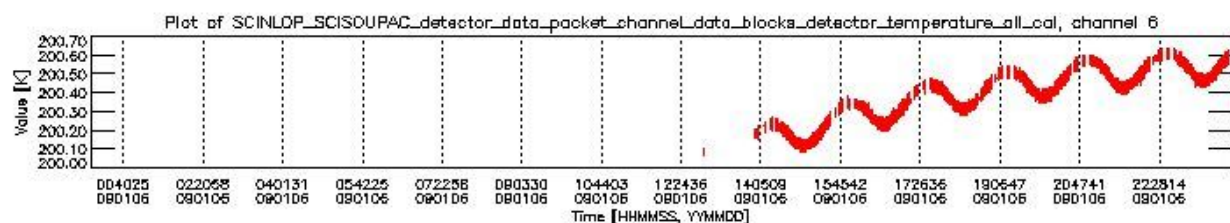
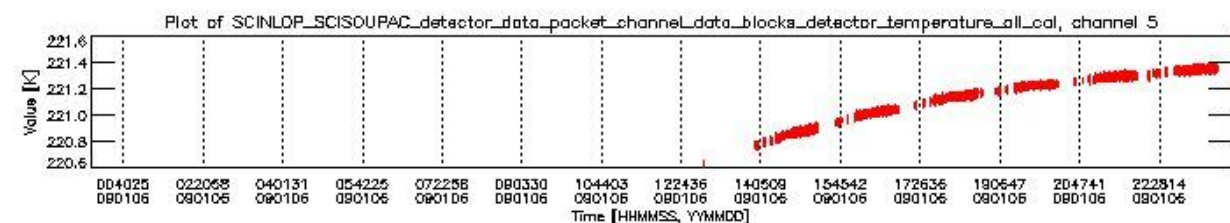
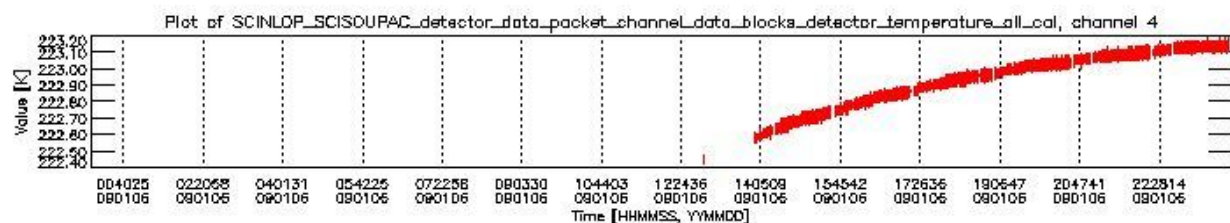
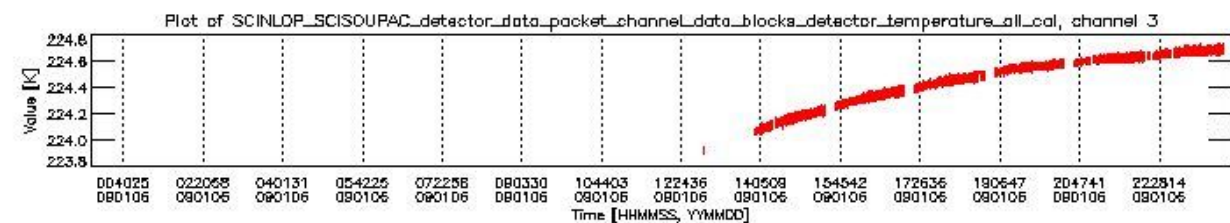
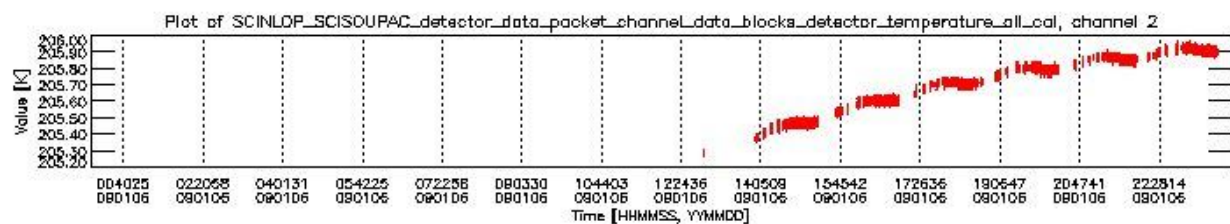
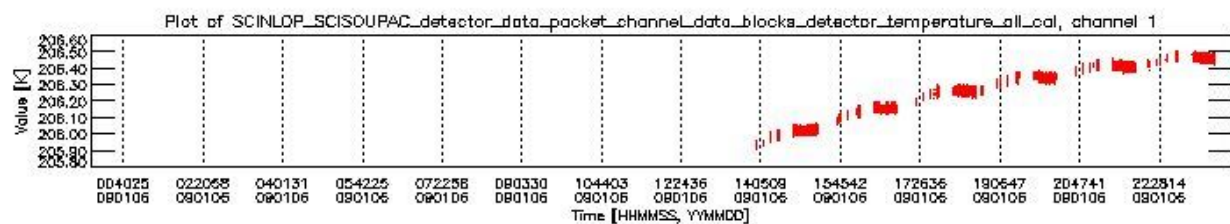
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090106_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090106_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090106_3.PNG

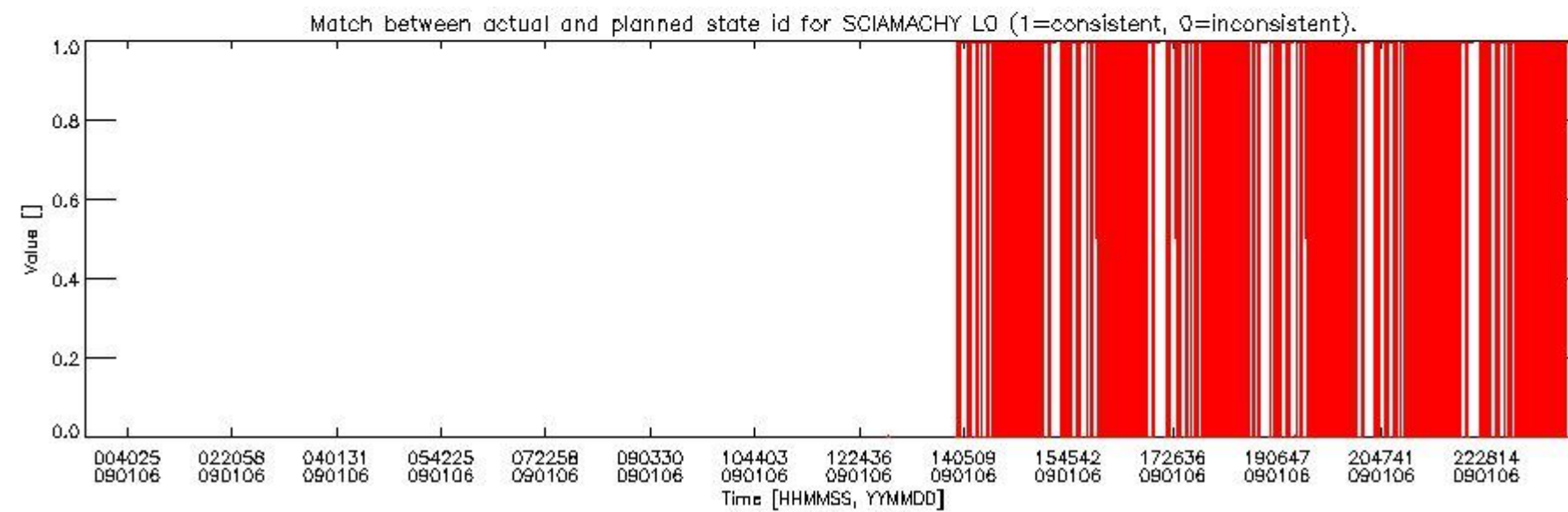
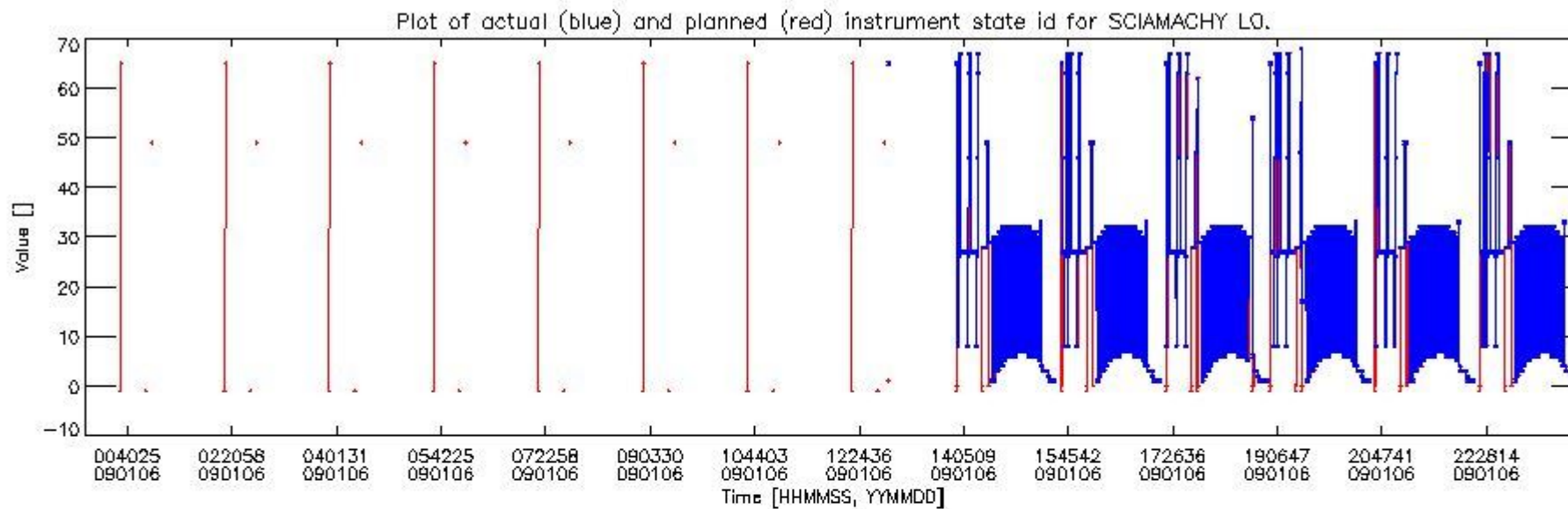


0.3 State monitoring

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: **24423**

#	Actual time	Actual value	Planned time	Planned value
0	06JAN2009 12:52:27.443520	65	06JAN2009 12:52:27.443520	1
1	06JAN2009 12:52:28.068501	65	06JAN2009 12:52:28.068501	1
2	06JAN2009 12:52:28.568518	65	06JAN2009 12:52:28.568518	1
3	06JAN2009 12:52:29.068496	65	06JAN2009 12:52:29.068496	1
4	06JAN2009 12:52:29.568513	65	06JAN2009 12:52:29.568513	1
5	06JAN2009 12:52:30.068490	65	06JAN2009 12:52:30.068490	1
6	06JAN2009 12:52:30.568508	65	06JAN2009 12:52:30.568508	1
7	06JAN2009 12:52:31.068525	65	06JAN2009 12:52:31.068525	1
8	06JAN2009 12:52:31.568502	65	06JAN2009 12:52:31.568502	1
9	06JAN2009 12:52:32.068520	65	06JAN2009 12:52:32.068520	1
10	06JAN2009 12:52:32.443492	65	06JAN2009 12:52:32.443492	1
11	06JAN2009 12:52:32.568497	65	06JAN2009 12:52:32.568497	1
12	06JAN2009 12:52:33.068514	65	06JAN2009 12:52:33.068514	1
13	06JAN2009 12:52:33.568491	65	06JAN2009 12:52:33.568491	1
14	06JAN2009 12:52:34.068509	65	06JAN2009 12:52:34.068509	1
15	06JAN2009 12:52:34.568526	65	06JAN2009 12:52:34.568526	1
16	06JAN2009 12:52:35.068503	65	06JAN2009 12:52:35.068503	1
17	06JAN2009 12:52:35.568521	65	06JAN2009 12:52:35.568521	1
18	06JAN2009 12:52:36.068498	65	06JAN2009 12:52:36.068498	1
19	06JAN2009 12:52:36.568515	65	06JAN2009 12:52:36.568515	1

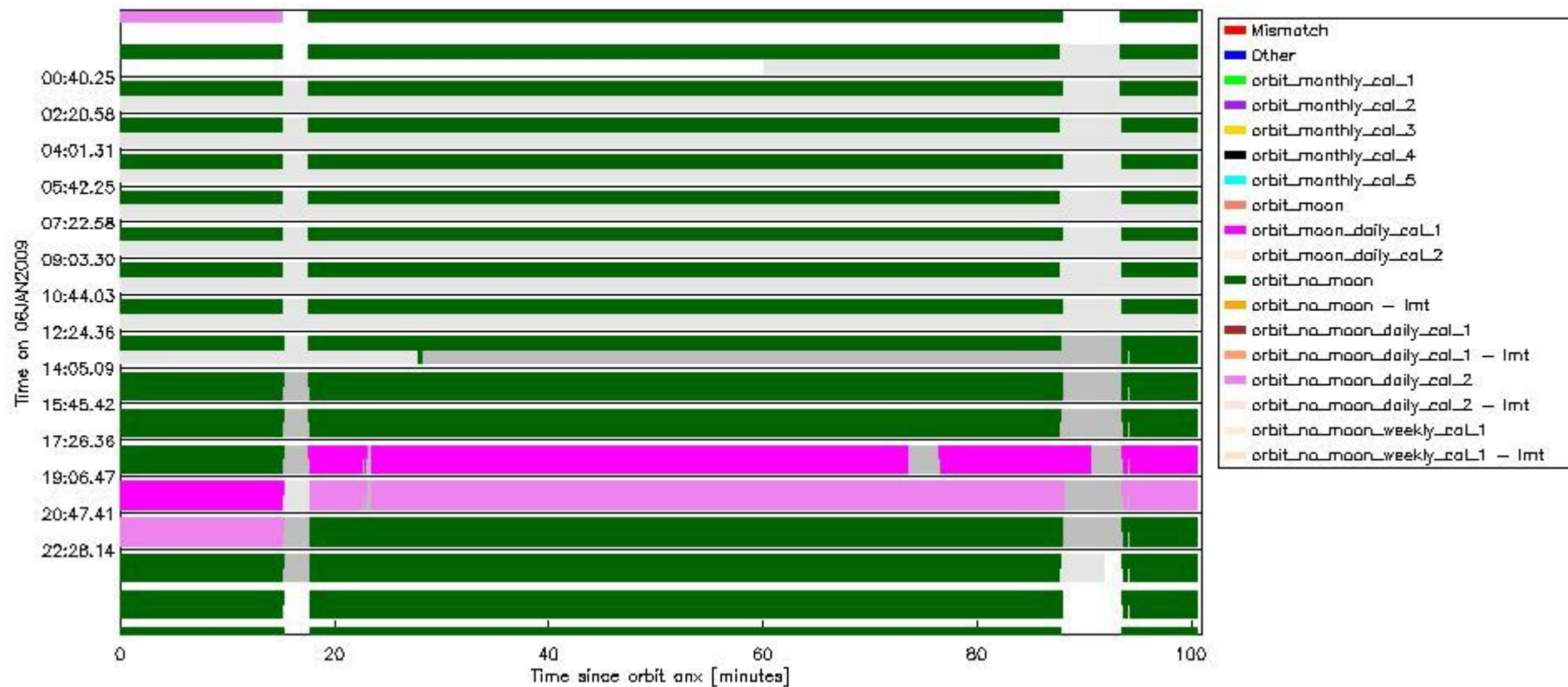


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090106_5.PNG

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 06JAN2009.
 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_20090106_6.PNG

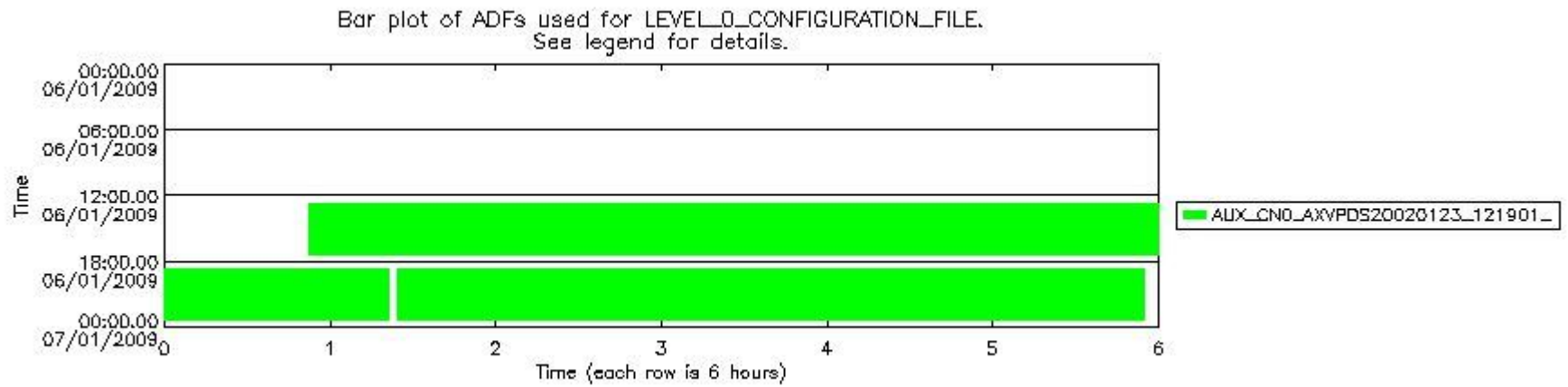
0.4 ADF monitoring

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

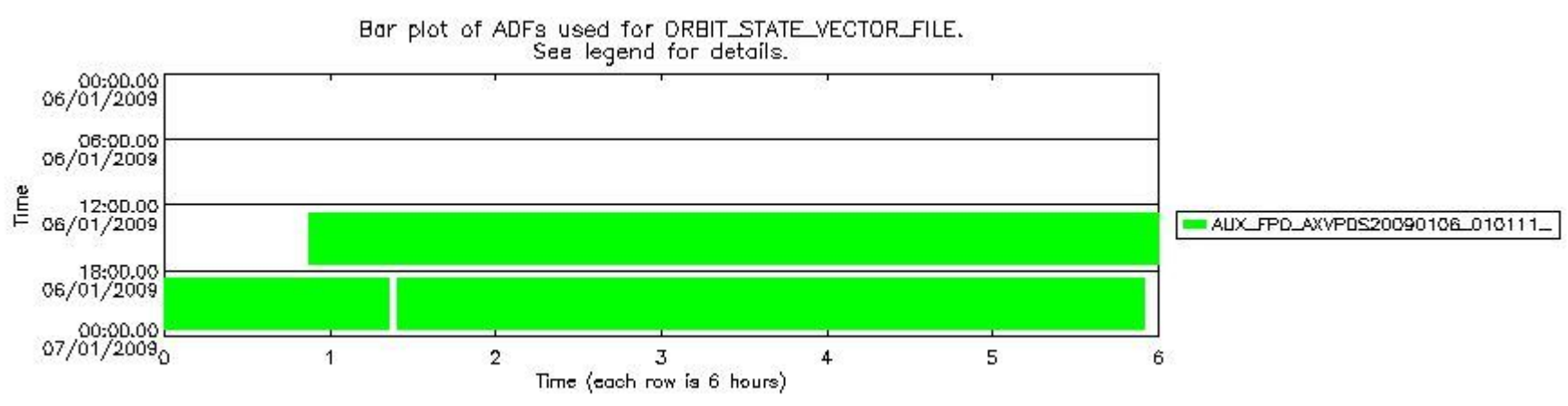
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

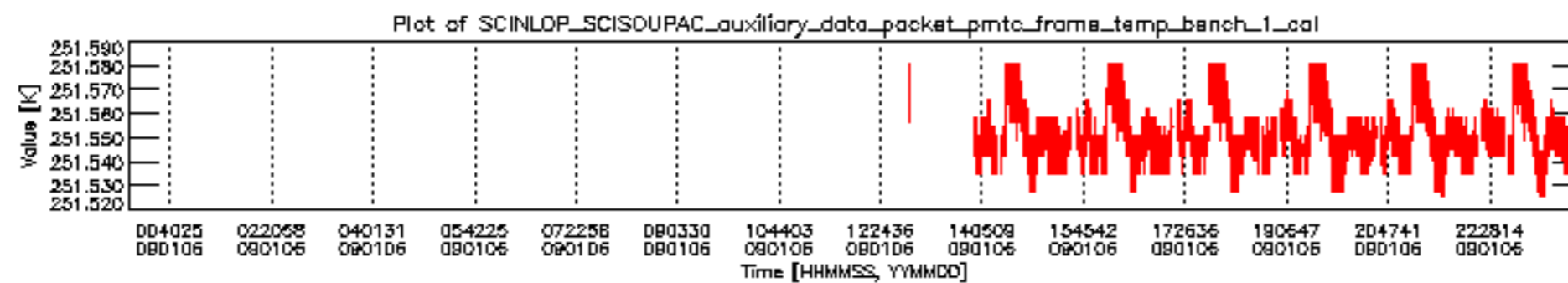
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090106_010111_20090104_182939_20090114_213627

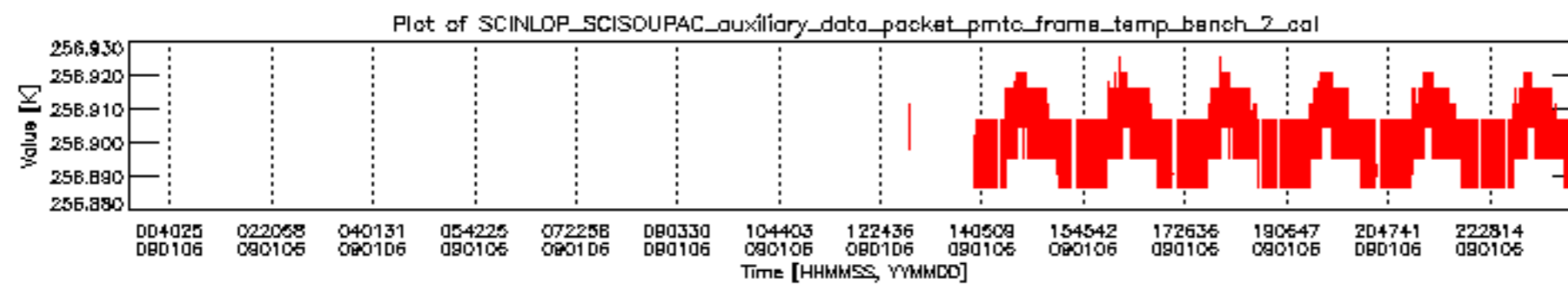


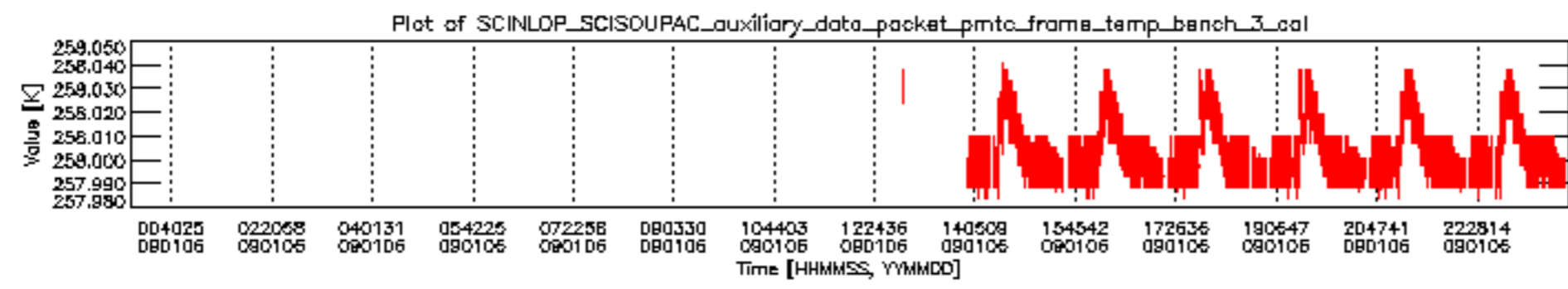
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090106_7.PNG

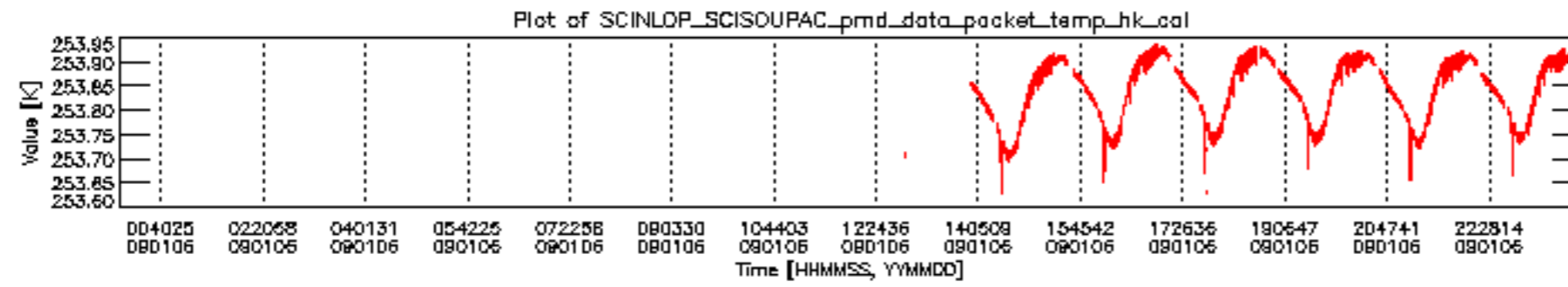


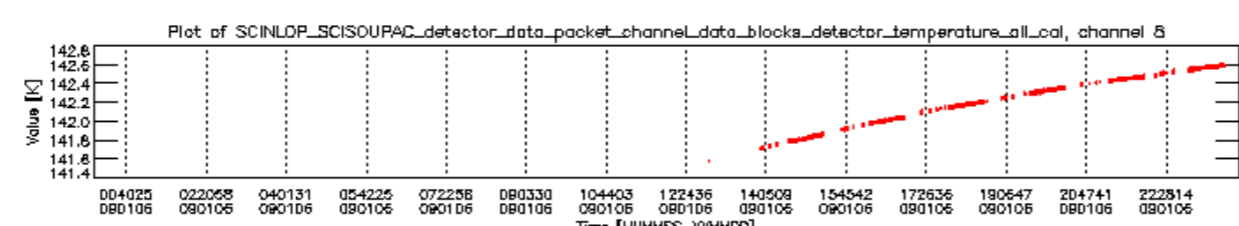
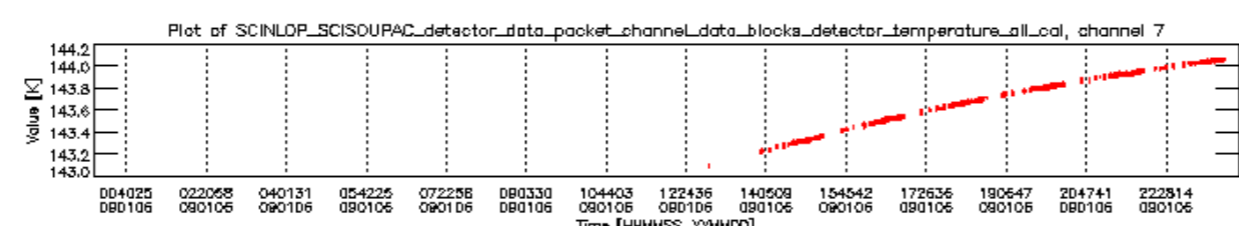
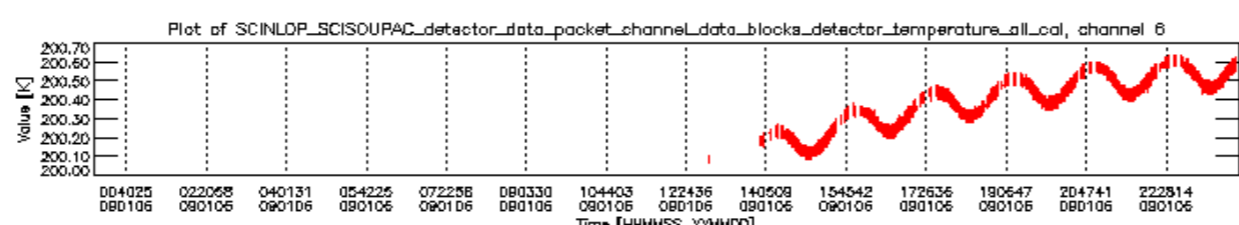
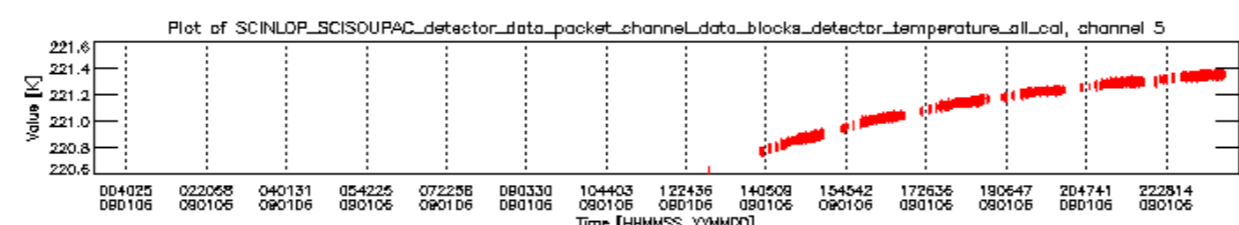
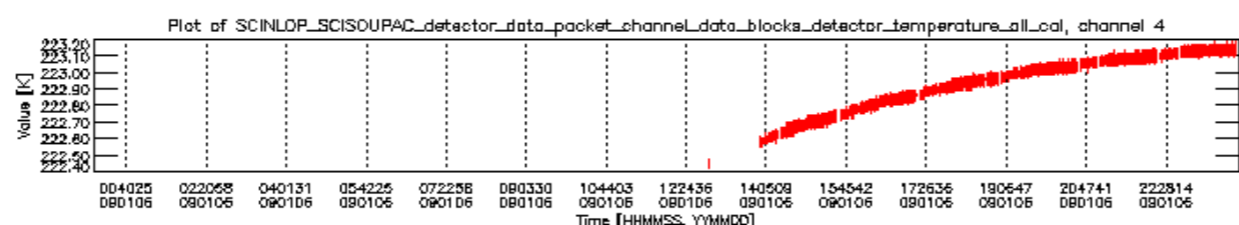
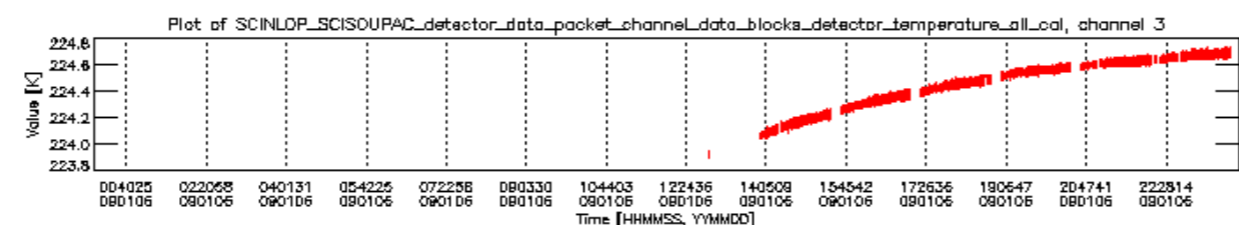
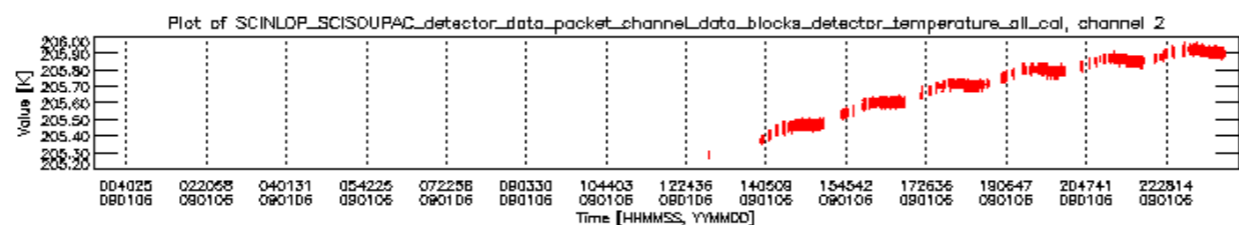
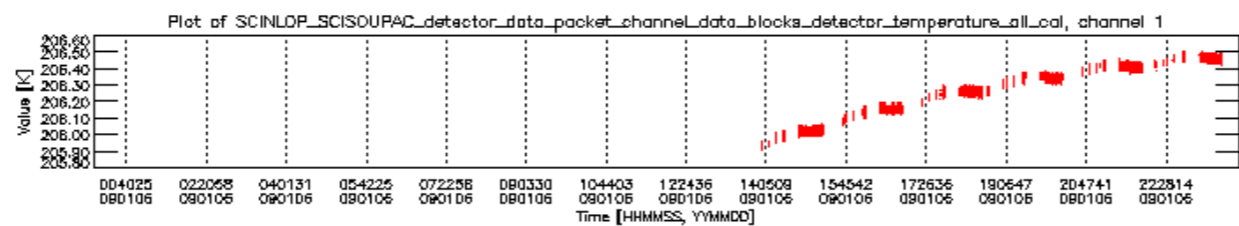
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090106_8.PNG

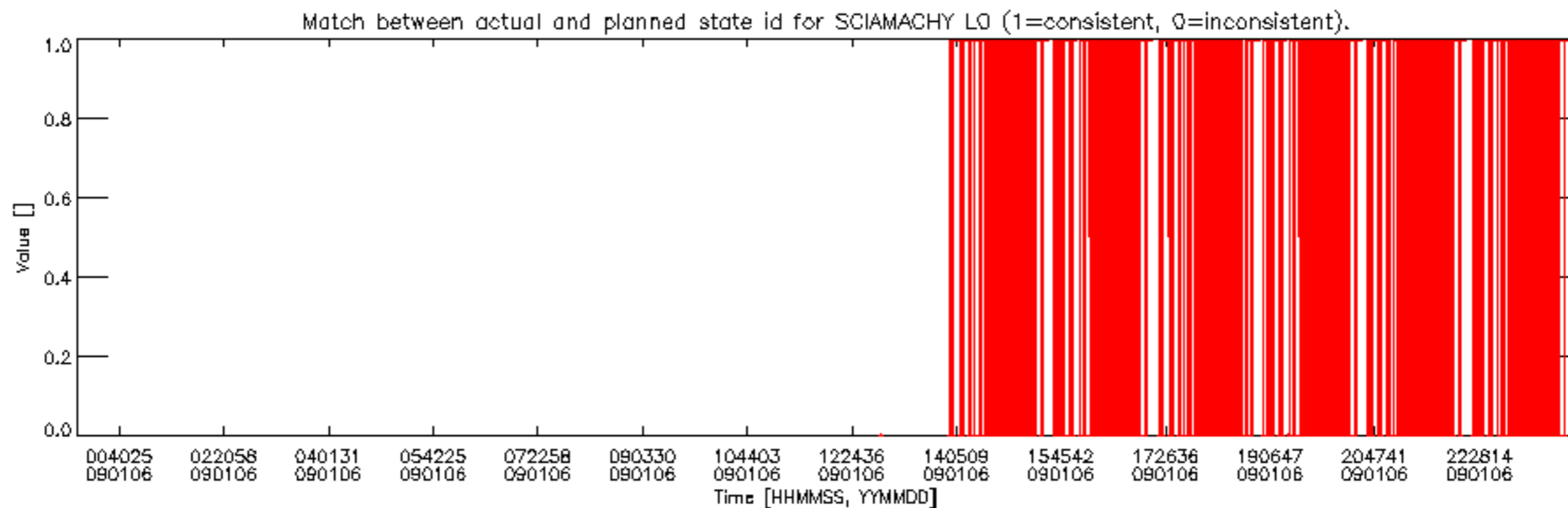
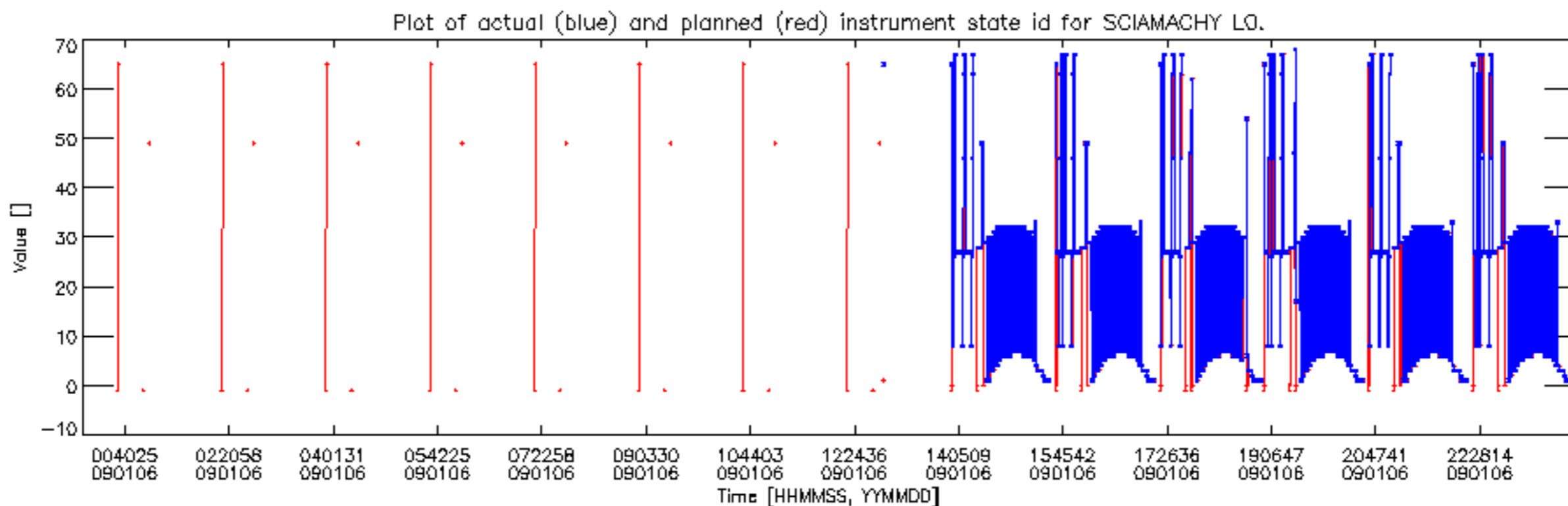












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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