

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	10MAR2009 06:18:30
Data source version	KSPT_L0/4303-N
Processing scope for products	06MAR2009 00:00:00 to 07MAR2009 00:00:00
Start time of first product within scope	05MAR2009 23:33:24
Stop time of last product within scope	07MAR2009 00:42:58
Total number of level 0 products	17
Number of level 0 products with errors	0

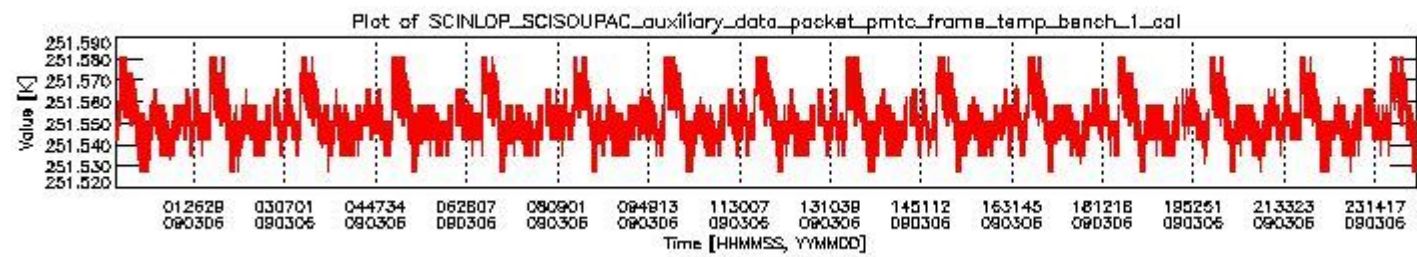
0.1.2 Summary per product

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

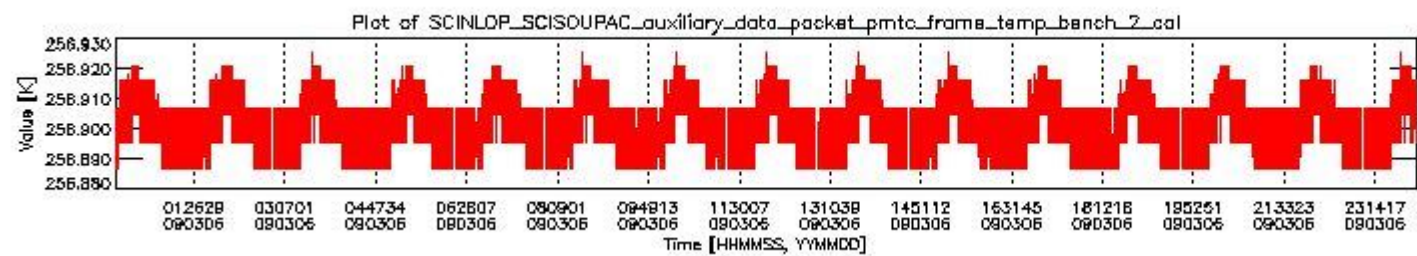
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090305_233324_000060352077_00044_36671_8613.N1	05MAR2009 23:33:24	06MAR2009 01:13:59	0	0	0	0	0
1	SCI_NL__OPNPDE20090306_011359_000046652077_00045_36672_8614.N1	06MAR2009 01:13:59	06MAR2009 02:31:45	0	0	0	0	0
2	SCI_NL__OPNPDE20090306_023049_000058422077_00046_36673_8615.N1	06MAR2009 02:30:49	06MAR2009 04:08:11	0	0	0	0	0
3	SCI_NL__OPNPDE20090306_040715_000060362077_00047_36674_8616.N1	06MAR2009 04:07:15	06MAR2009 05:47:51	0	0	0	0	0
4	SCI_NL__OPNPDK20090306_054751_000041692077_00048_36675_0882.N1	06MAR2009 05:47:51	06MAR2009 06:57:20	0	0	0	0	0
5	SCI_NL__OPNPDK20090306_065720_000060352077_00049_36676_0883.N1	06MAR2009 06:57:20	06MAR2009 08:37:55	0	0	0	0	0
6	SCI_NL__OPNPDK20090306_083755_000054262077_00050_36677_0884.N1	06MAR2009 08:37:55	06MAR2009 10:08:21	0	0	0	0	0
7	SCI_NL__OPNPDK20090306_100821_000005412077_00051_36678_0885.N1	06MAR2009 10:08:21	06MAR2009 10:17:22	0	0	0	0	0
8	SCI_NL__OPNPDK20090306_101518_000061602077_00051_36678_0886.N1	06MAR2009 10:15:18	06MAR2009 11:57:58	0	0	0	0	0
9	SCI_NL__OPNPDK20090306_115553_000059802077_00052_36679_0887.N1	06MAR2009 11:55:53	06MAR2009 13:35:33	0	0	0	0	0
10	SCI_NL__OPNPDK20090306_133424_000059802077_00053_36680_0888.N1	06MAR2009 13:34:24	06MAR2009 15:14:04	0	0	0	0	0
11	SCI_NL__OPNPDK20090306_151255_000059802077_00054_36681_0889.N1	06MAR2009 15:12:55	06MAR2009 16:52:35	0	0	0	0	0
12	SCI_NL__OPNPDK20090306_165043_000059252077_00055_36682_0890.N1	06MAR2009 16:50:43	06MAR2009 18:29:28	0	0	0	0	0
13	SCI_NL__OPNPDK20090306_182805_000061192077_00056_36683_0891.N1	06MAR2009 18:28:05	06MAR2009 20:10:04	0	0	0	0	0
14	SCI_NL__OPNPDE20090306_200840_000040702077_00057_36684_8617.N1	06MAR2009 20:08:40	06MAR2009 21:16:30	0	0	0	0	0
15	SCI_NL__OPNPDE20090306_212103_000061562077_00057_36684_8618.N1	06MAR2009 21:21:03	06MAR2009 23:03:40	0	0	0	0	0
16	SCI_NL__OPNPDE20090306_230222_000060352077_00058_36685_8619.N1	06MAR2009 23:02:22	07MAR2009 00:42:58	0	0	0	0	0

0.2 Product Quality Indicators

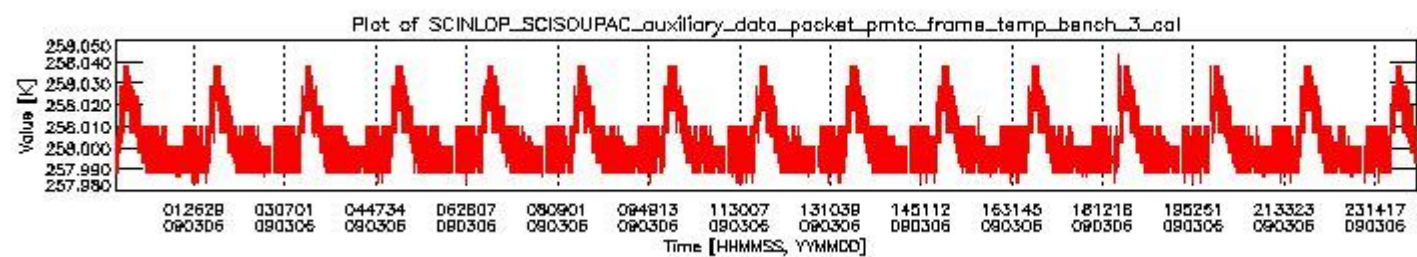
This section shows information about product quality, currently temperatures.



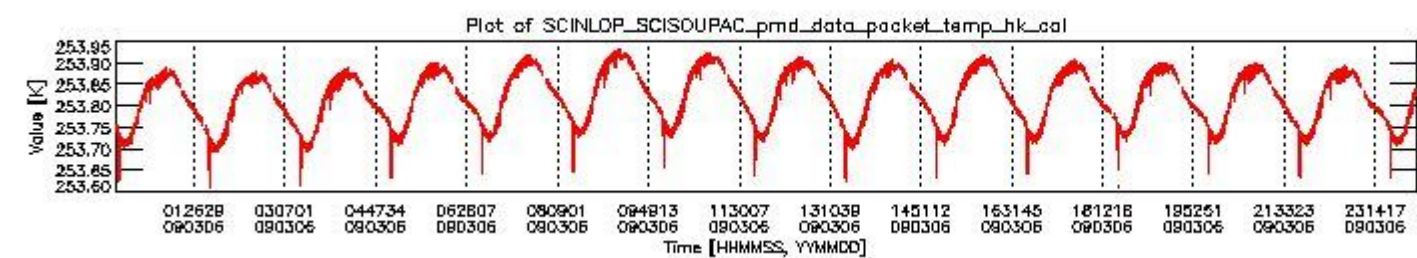
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090306_0.PNG



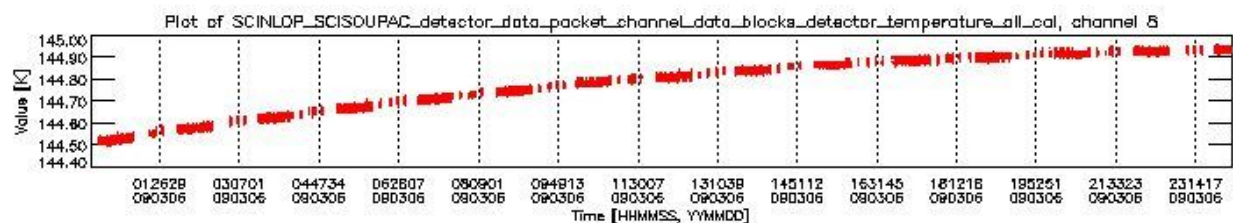
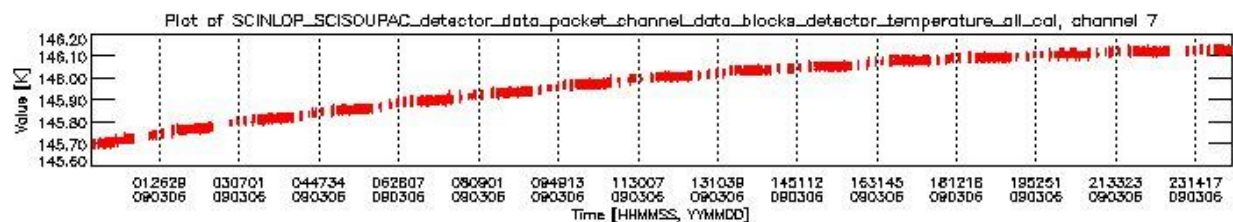
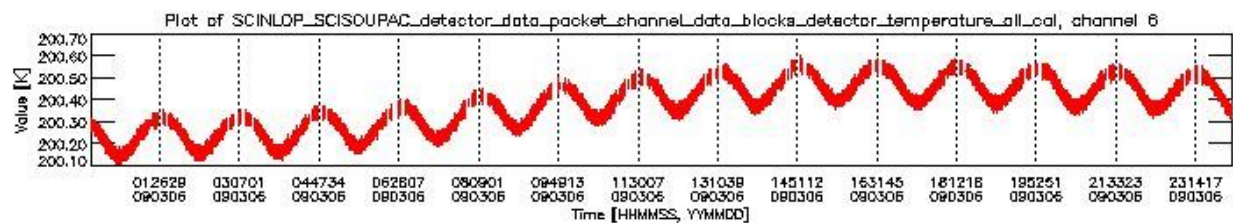
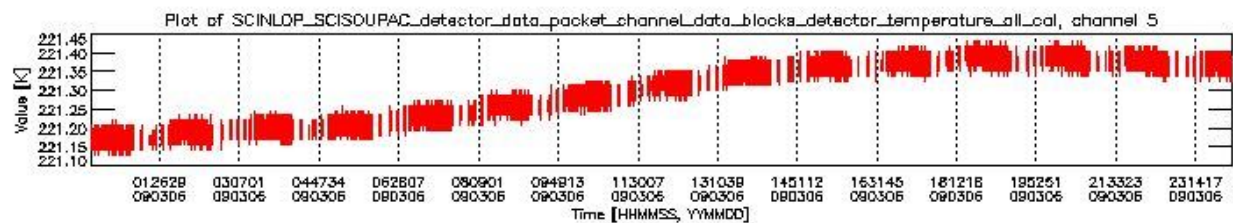
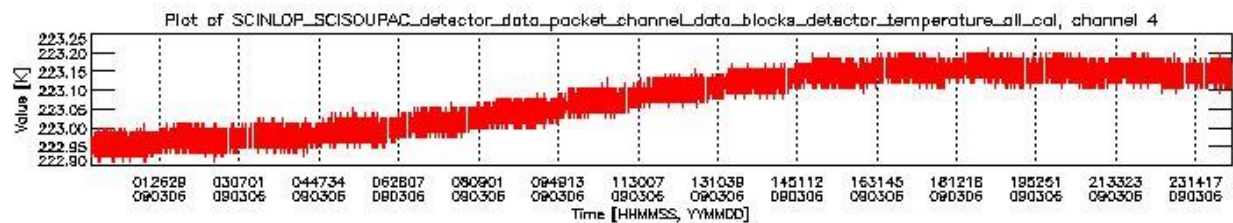
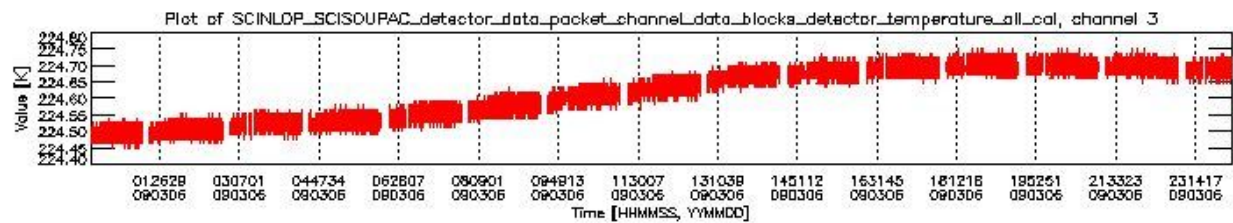
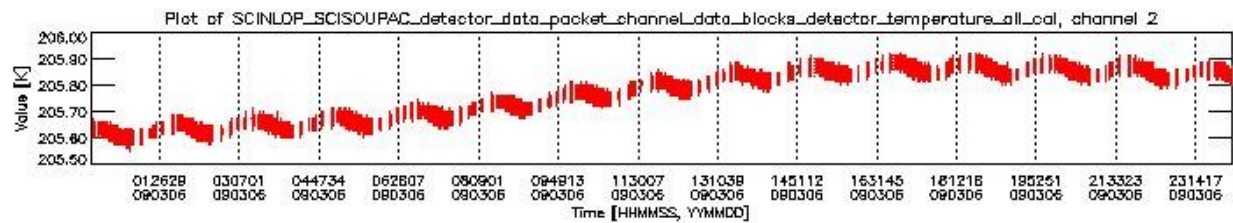
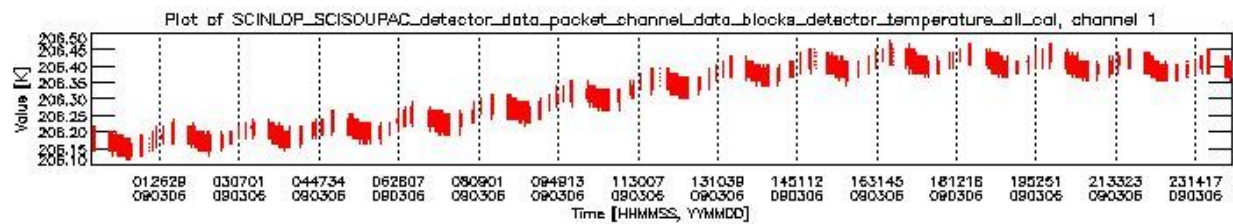
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20090306_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090306_3.PNG

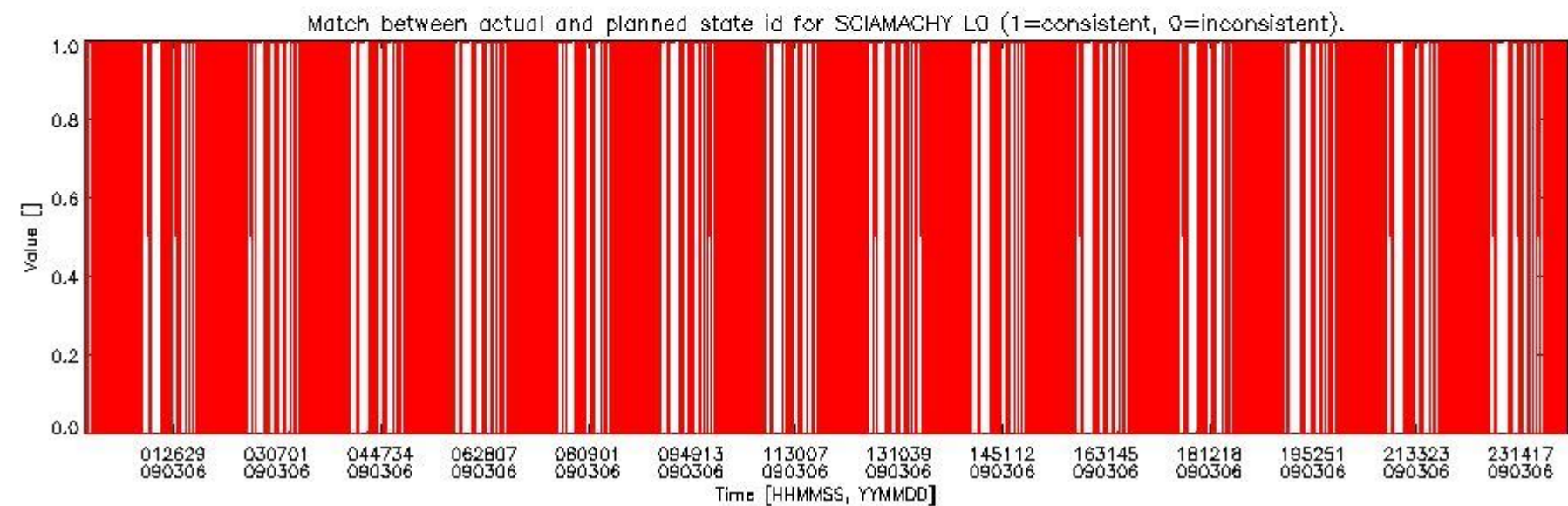
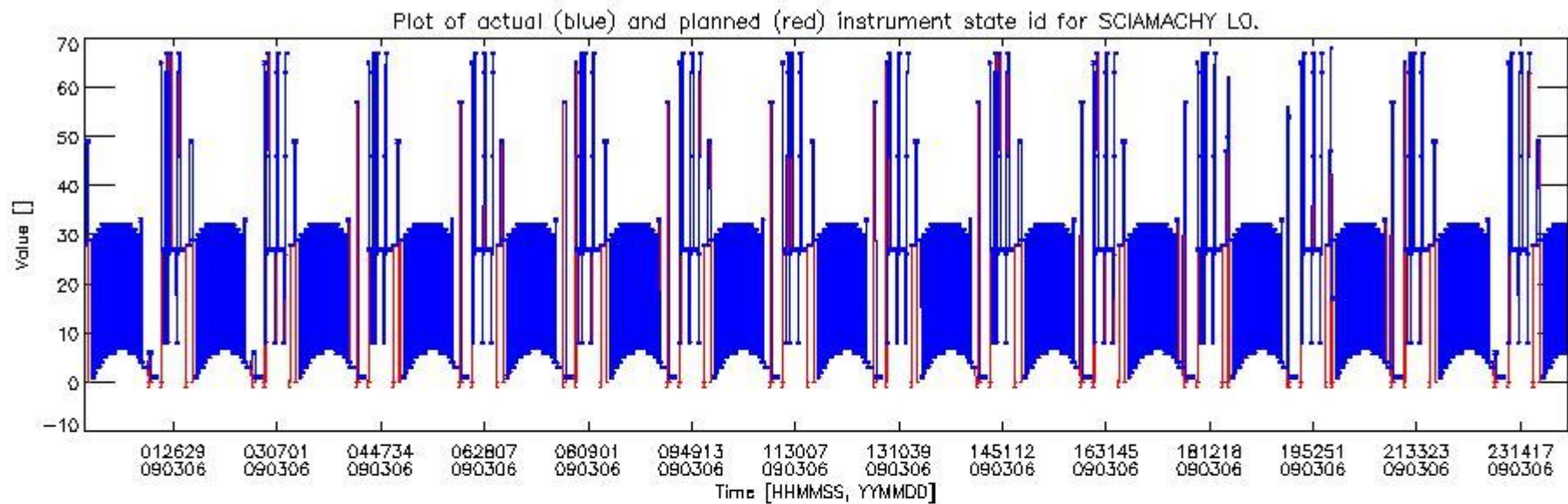


0.3 State monitoring

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: **46079**

#	Actual time	Actual value	Planned time	Planned value
0	06MAR2009 00:01:35.358726	49	06MAR2009 00:01:35.358726	28
1	06MAR2009 00:01:35.546253	49	06MAR2009 00:01:35.546253	28
2	06MAR2009 00:01:35.608735	49	06MAR2009 00:01:35.608735	28
3	06MAR2009 00:01:35.671217	49	06MAR2009 00:01:35.671217	28
4	06MAR2009 00:01:35.733739	49	06MAR2009 00:01:35.733739	28
5	06MAR2009 00:01:35.796221	49	06MAR2009 00:01:35.796221	28
6	06MAR2009 00:01:35.858744	49	06MAR2009 00:01:35.858744	28
7	06MAR2009 00:01:35.921226	49	06MAR2009 00:01:35.921226	28
8	06MAR2009 00:01:35.983748	49	06MAR2009 00:01:35.983748	28
9	06MAR2009 00:01:36.046230	49	06MAR2009 00:01:36.046230	28
10	06MAR2009 00:01:36.108752	49	06MAR2009 00:01:36.108752	28
11	06MAR2009 00:01:36.171235	49	06MAR2009 00:01:36.171235	28
12	06MAR2009 00:01:36.233757	49	06MAR2009 00:01:36.233757	28
13	06MAR2009 00:01:36.296239	49	06MAR2009 00:01:36.296239	28
14	06MAR2009 00:01:36.358721	49	06MAR2009 00:01:36.358721	28
15	06MAR2009 00:01:36.421243	49	06MAR2009 00:01:36.421243	28
16	06MAR2009 00:01:36.483725	49	06MAR2009 00:01:36.483725	28
17	06MAR2009 00:01:36.546248	49	06MAR2009 00:01:36.546248	28
18	06MAR2009 00:01:36.608730	49	06MAR2009 00:01:36.608730	28
19	06MAR2009 00:01:36.671252	49	06MAR2009 00:01:36.671252	28

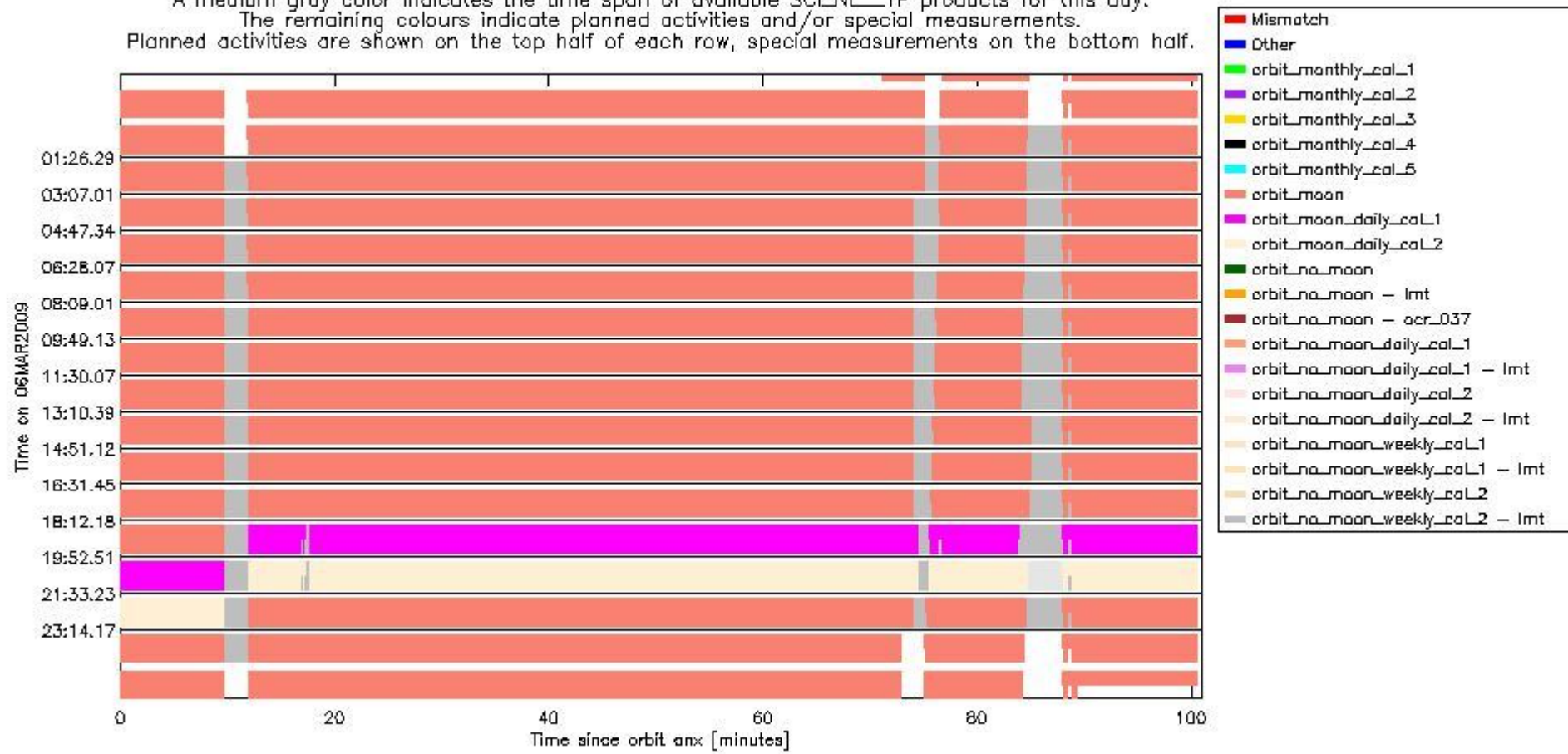


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090306_5.PNG

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 06MAR2009.
 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_20090306_6.PNG

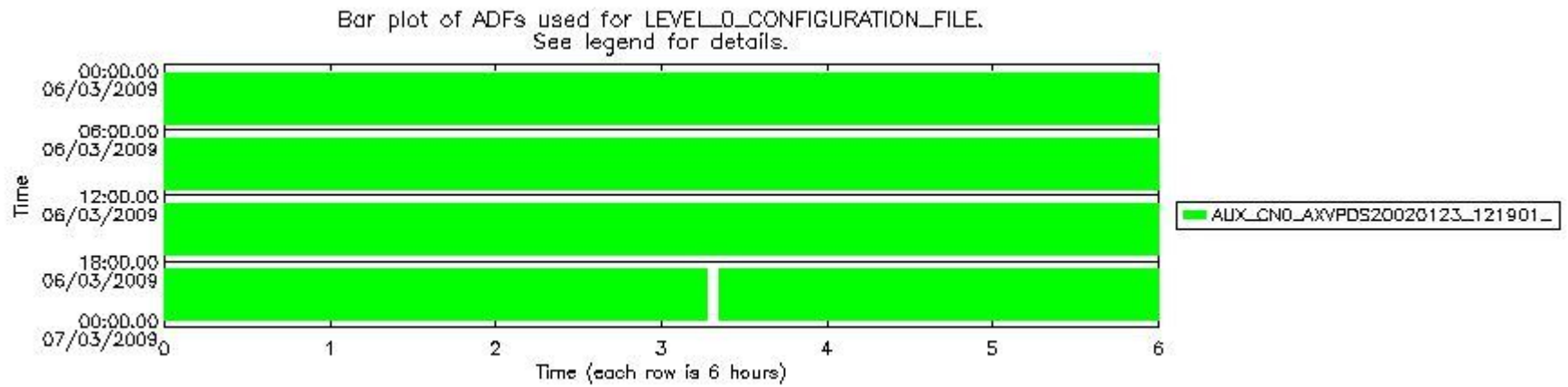
0.4 ADF monitoring

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

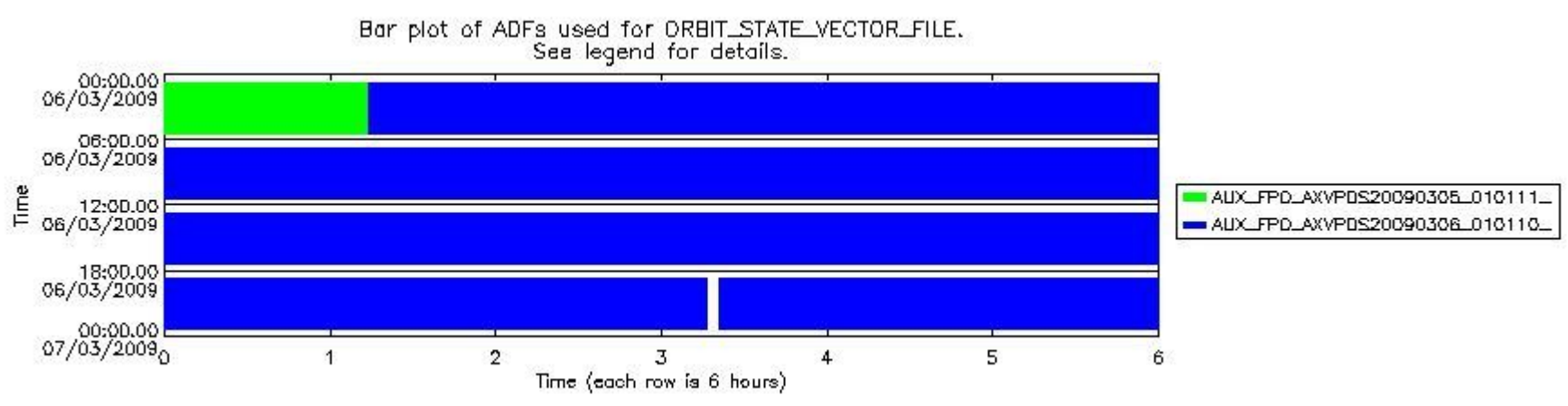
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

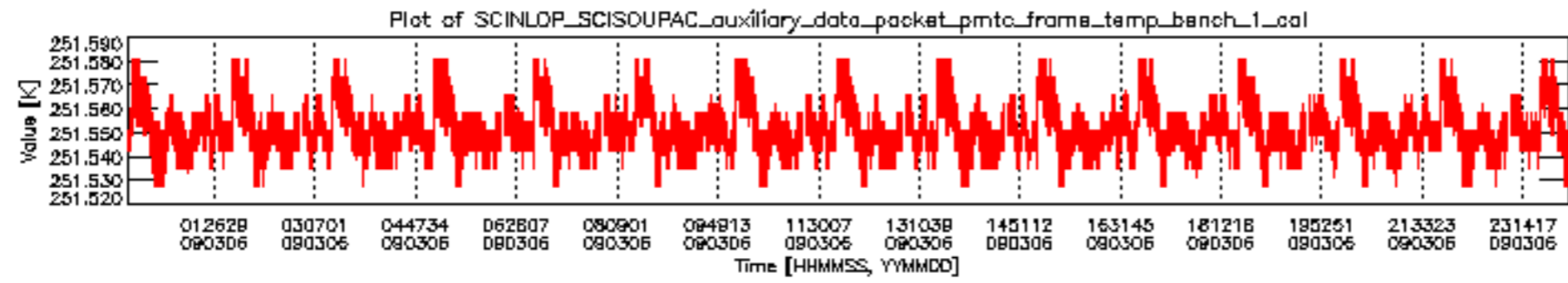
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090305_010111_20090304_191538_20090314_204151
2	AUX_FPO_AXVPDS20090306_010110_20090305_184401_20090315_201014

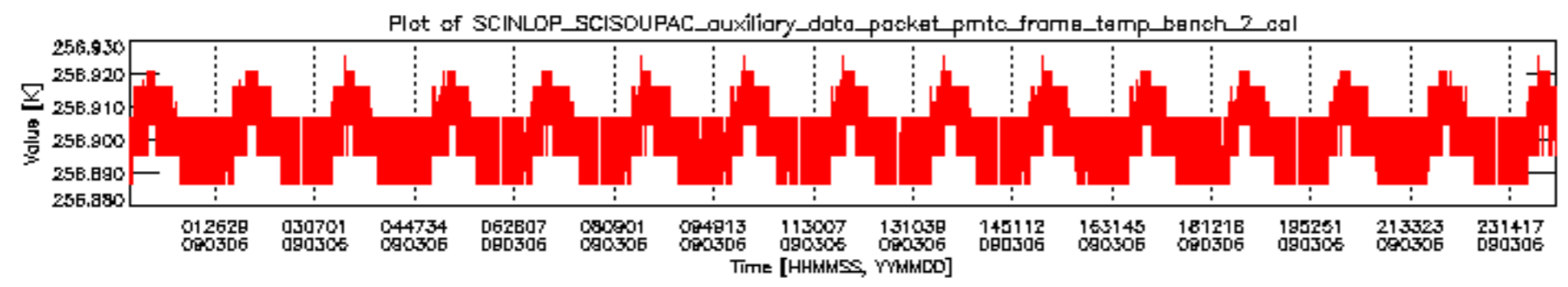


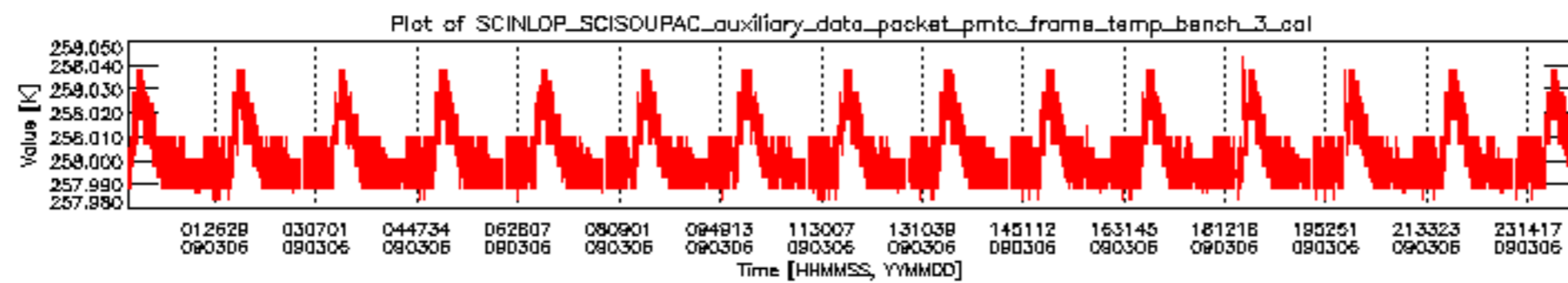
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090306_7.PNG

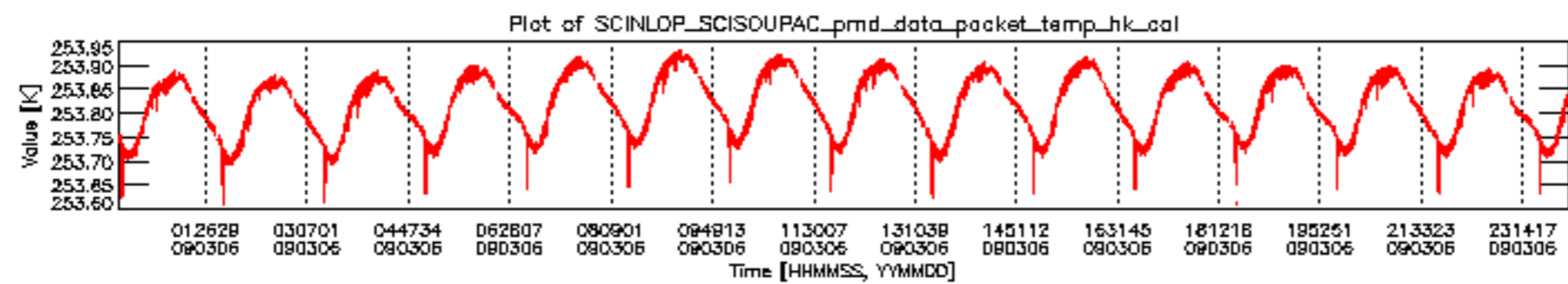


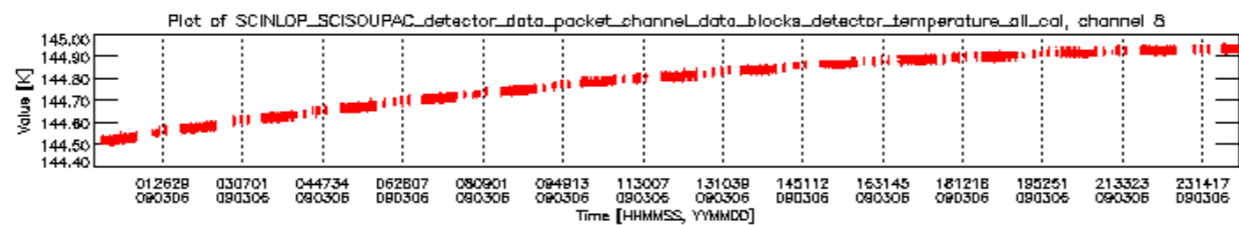
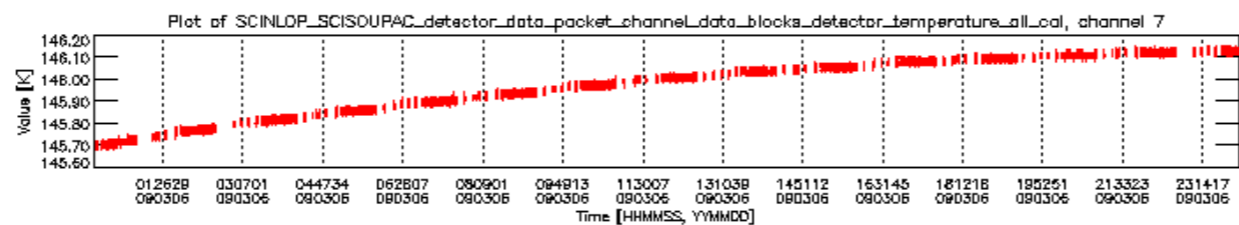
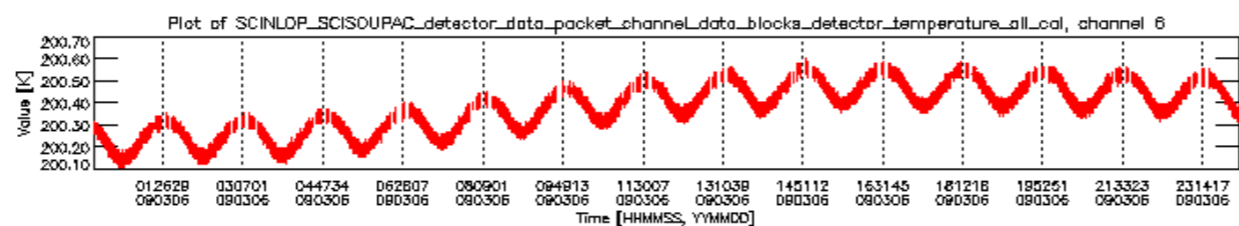
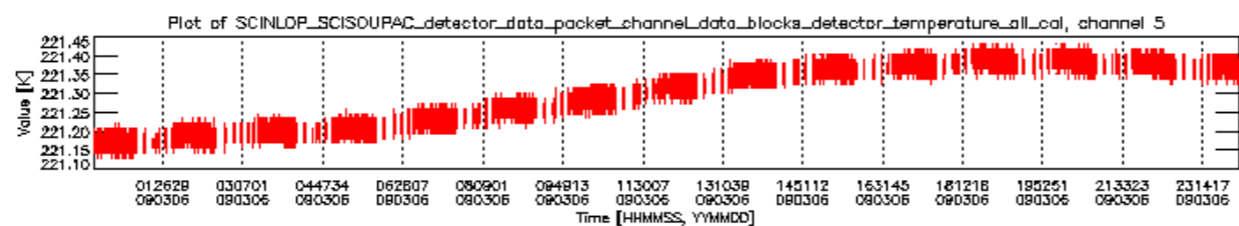
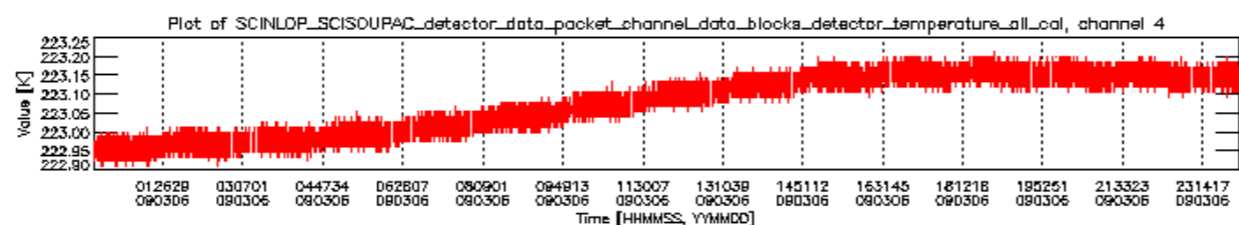
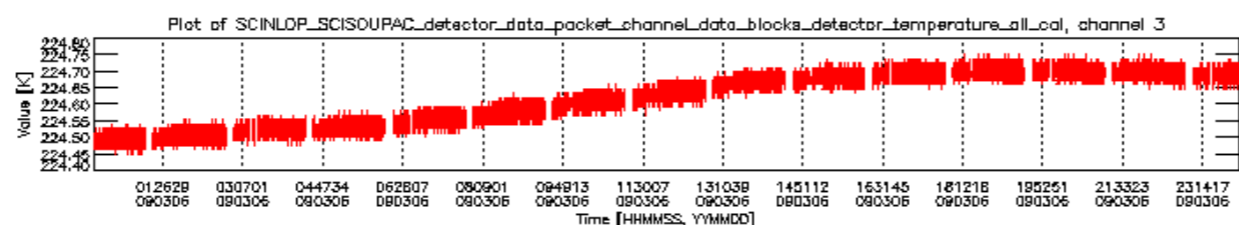
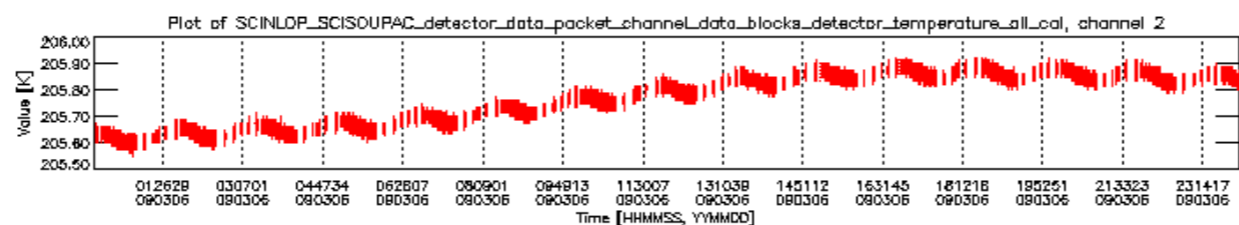
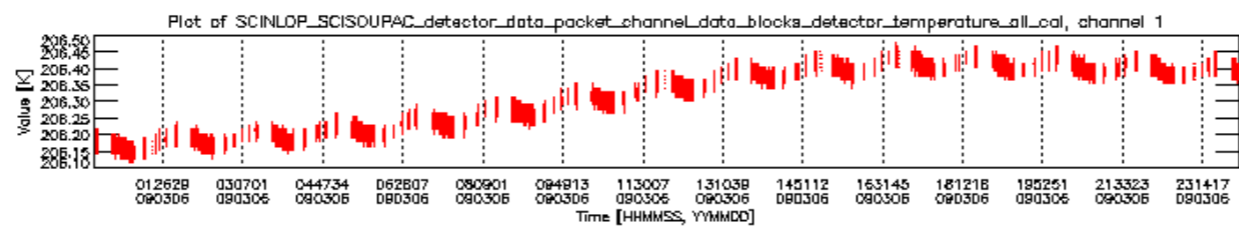
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090306_8.PNG

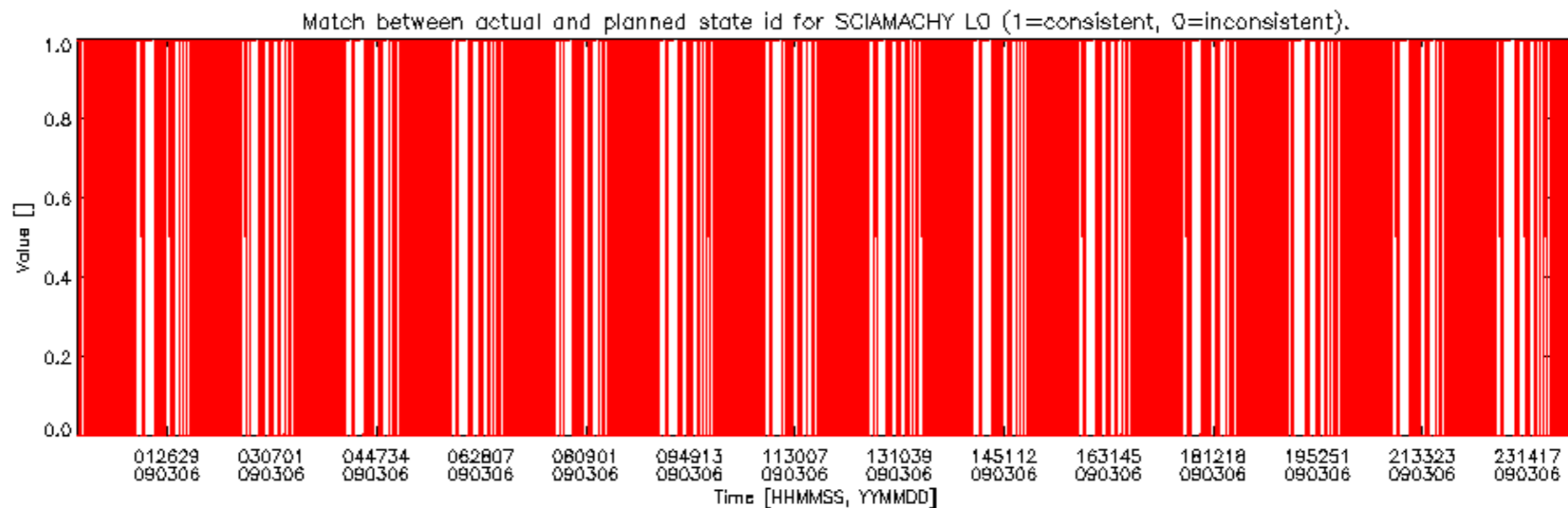
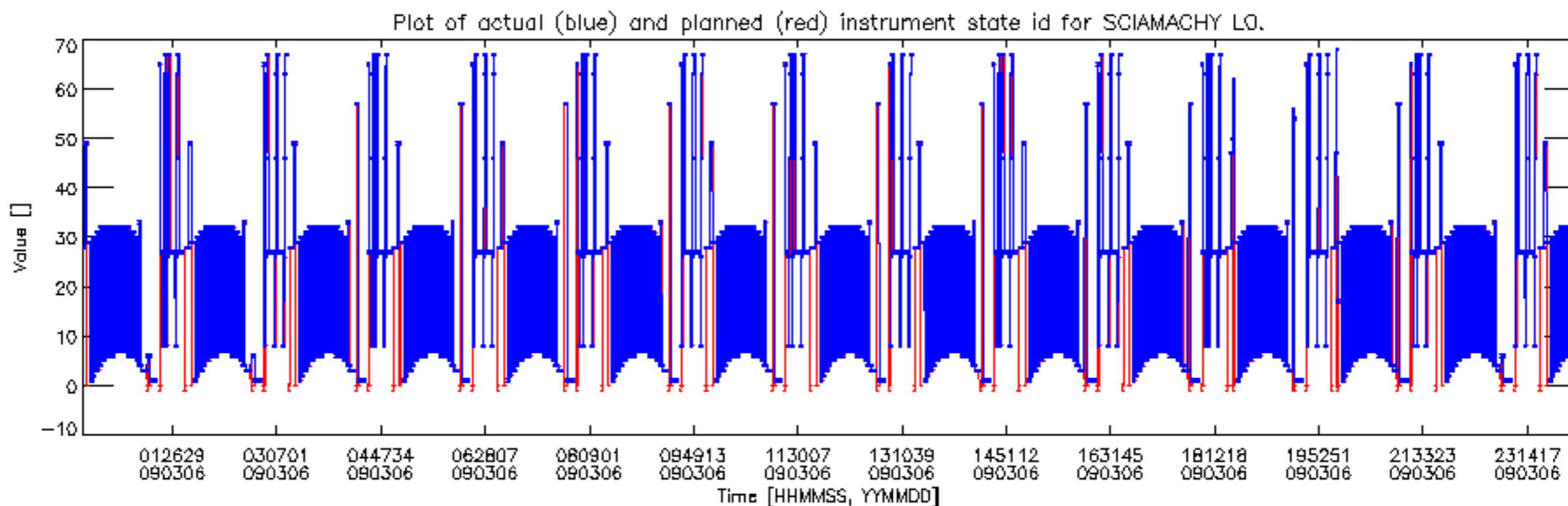












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 06MAR2009.
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