

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	17MAR2009 04:23:40
Data source version	KSPT_L0/4303-N
Processing scope for products	13MAR2009 00:00:00 to 14MAR2009 00:00:00
Start time of first product within scope	12MAR2009 23:14:18
Stop time of last product within scope	14MAR2009 00:22:35
Total number of level 0 products	16
Number of level 0 products with errors	4

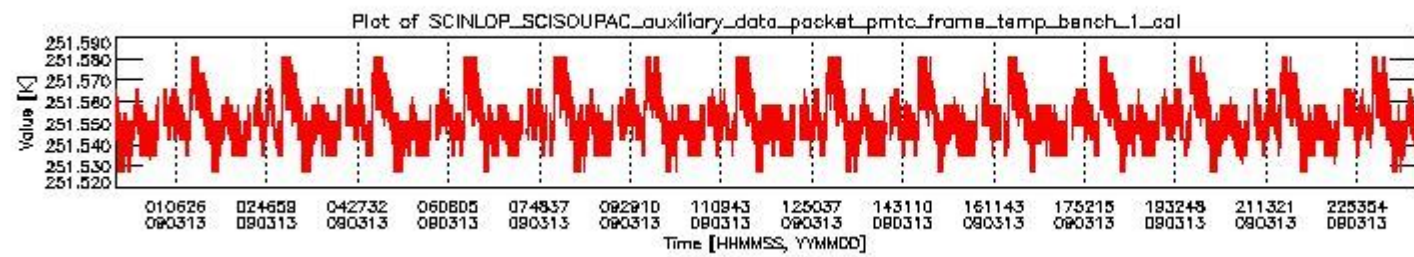
0.1.2 Summary per product

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

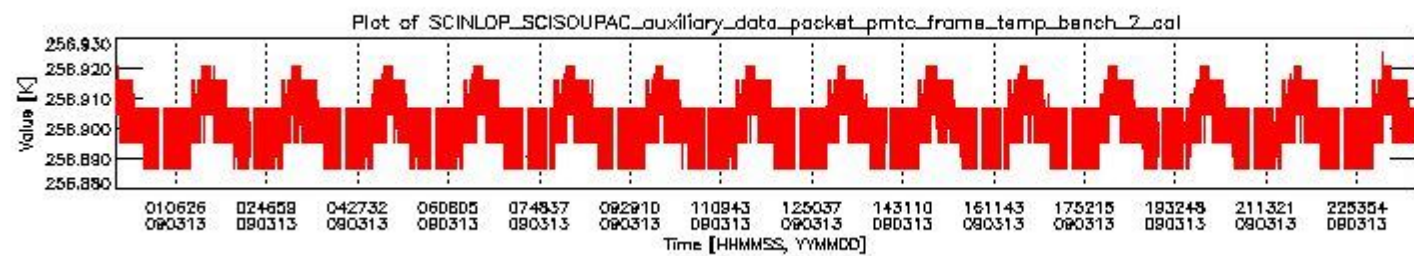
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090312_231418_000060022077_00144_36771_8659.N1	12MAR2009 23:14:18	13MAR2009 00:54:21	0	0	0	0	0
1	SCI_NL__OPNPDE20090313_005337_000049512077_00145_36772_8660.N1	13MAR2009 00:53:37	13MAR2009 02:16:07	0	0	0	0	0
2	SCI_NL__OPNPDE20090313_021459_000054822077_00146_36773_8661.N1	13MAR2009 02:14:59	13MAR2009 03:46:21	0	0	0	0	0
3	SCI_NL__OPNPDE20090313_034621_000061602077_00147_36774_8662.N1	13MAR2009 03:46:21	13MAR2009 05:29:01	0	0	0	0	0
4	SCI_NL__OPNPDE20090313_052752_000060482077_00148_36775_8663.N1	13MAR2009 05:27:52	13MAR2009 07:08:40	0	0	0	0	0
5	SCI_NL__OPNPDK20090313_070732_000041002077_00149_36776_0944.N1	13MAR2009 07:07:32	13MAR2009 08:15:52	0	0	0	0	0
6	SCI_NL__OPNPDK20090313_081456_000062282077_00150_36777_0945.N1	13MAR2009 08:14:56	13MAR2009 09:58:45	0	0	0	0	0
7	SCI_NL__OPNPDK20090313_095736_000059672077_00151_36778_0946.N1	13MAR2009 09:57:36	13MAR2009 11:37:03	0	0	0	0	0
8	SCI_NL__OPNPDK20090313_113703_000059802077_00152_36779_0947.N1	13MAR2009 11:37:03	13MAR2009 13:16:42	1	1	0	0	0
9	SCI_NL__OPNPDK20090313_131547_000058422077_00153_36780_0948.N1	13MAR2009 13:15:47	13MAR2009 14:53:09	1	1	0	0	0
10	SCI_NL__OPNPDK20090313_145200_000060482077_00154_36781_0949.N1	13MAR2009 14:52:00	13MAR2009 16:32:49	1	1	0	0	0
11	SCI_NL__OPNPDK20090313_163140_000059302077_00155_36782_0951.N1	13MAR2009 16:31:40	13MAR2009 18:10:30	0	0	0	0	0
12	SCI_NL__OPNPDK20090313_180913_000060352077_00156_36783_0952.N1	13MAR2009 18:09:13	13MAR2009 19:49:48	1	1	0	0	0
13	SCI_NL__OPNPDE20090313_194746_000039472077_00157_36784_8664.N1	13MAR2009 19:47:46	13MAR2009 20:53:32	0	0	0	0	0
14	SCI_NL__OPNPDE20090313_205957_000062032077_00157_36784_8665.N1	13MAR2009 20:59:57	13MAR2009 22:43:20	0	0	0	0	0
15	SCI_NL__OPNPDE20090313_224247_000059892077_00158_36785_8666.N1	13MAR2009 22:42:47	14MAR2009 00:22:35	0	0	0	0	0

0.2 Product Quality Indicators

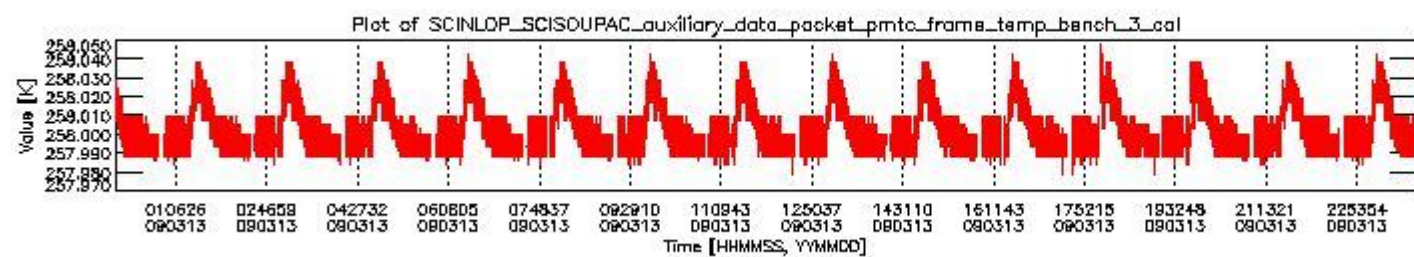
This section shows information about product quality, currently temperatures.



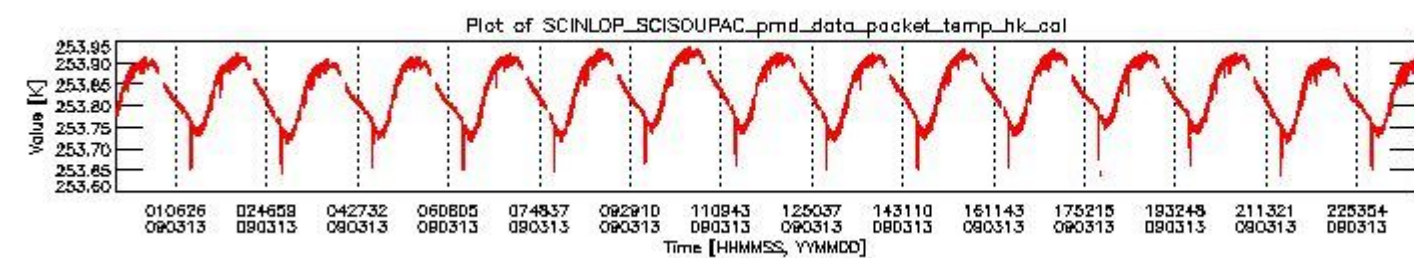
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090313_0.PNG



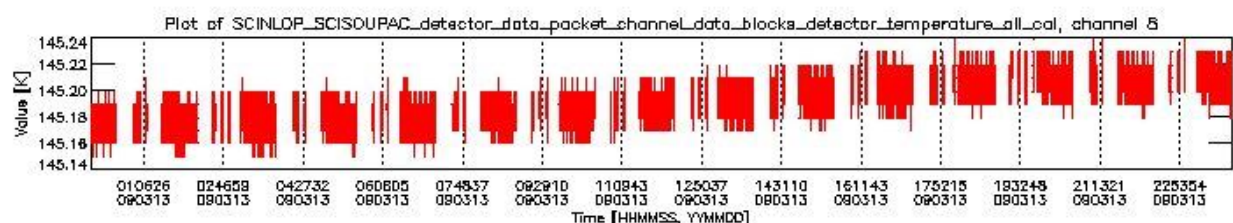
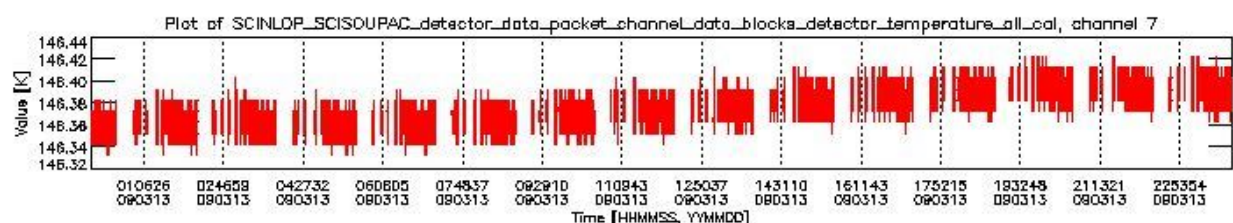
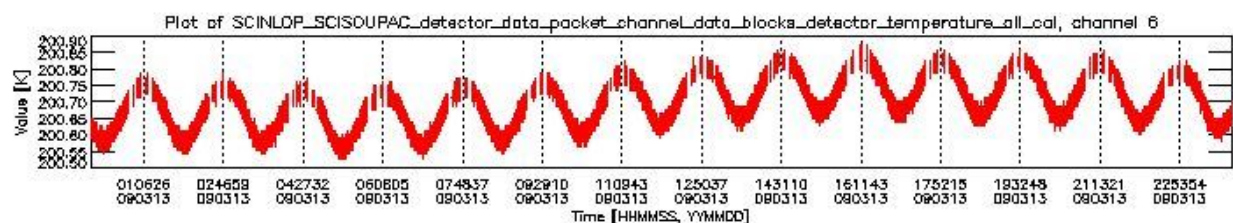
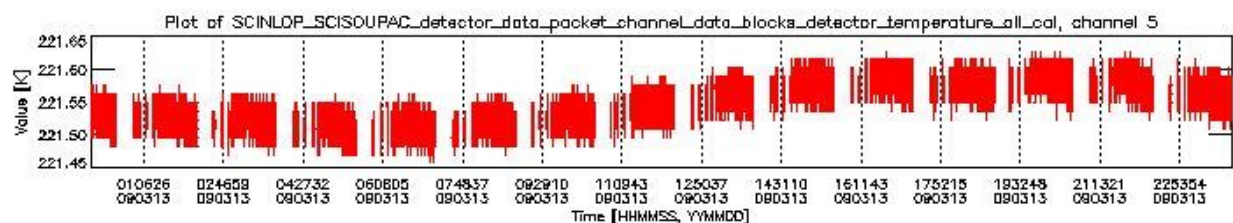
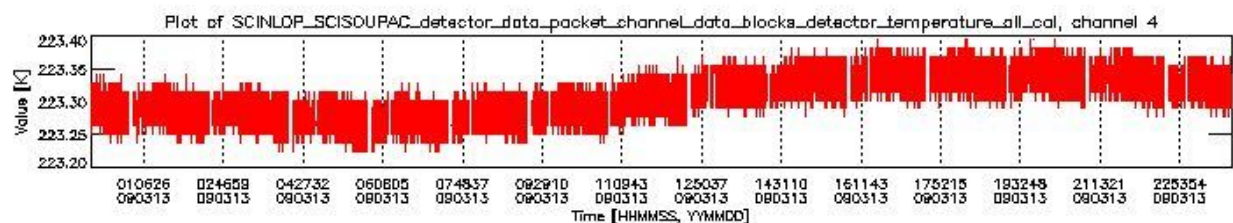
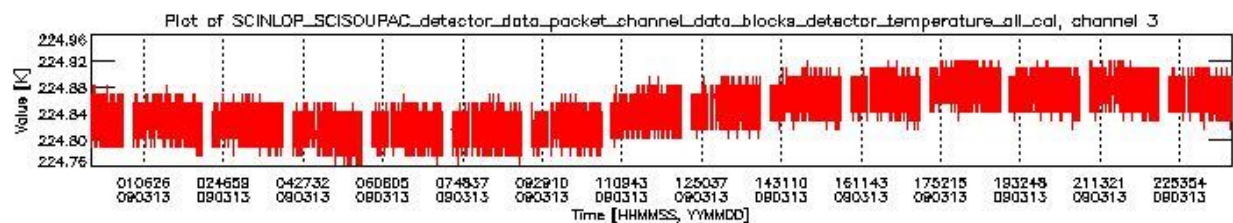
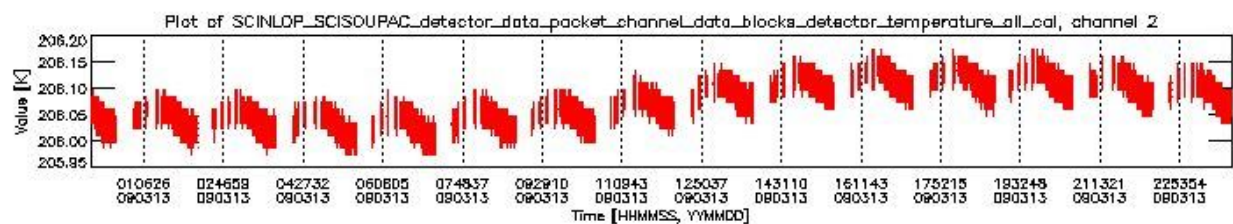
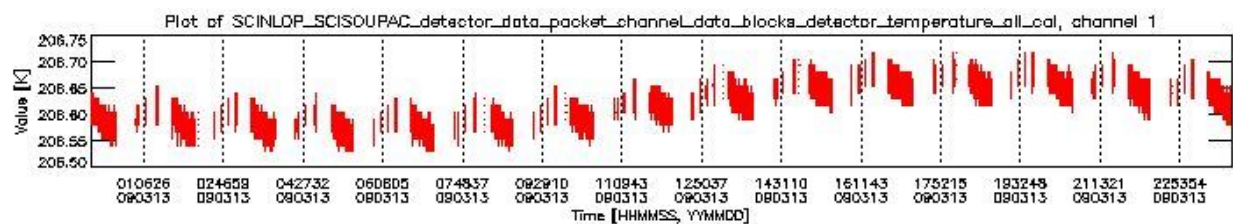
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20090313_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090313_3.PNG

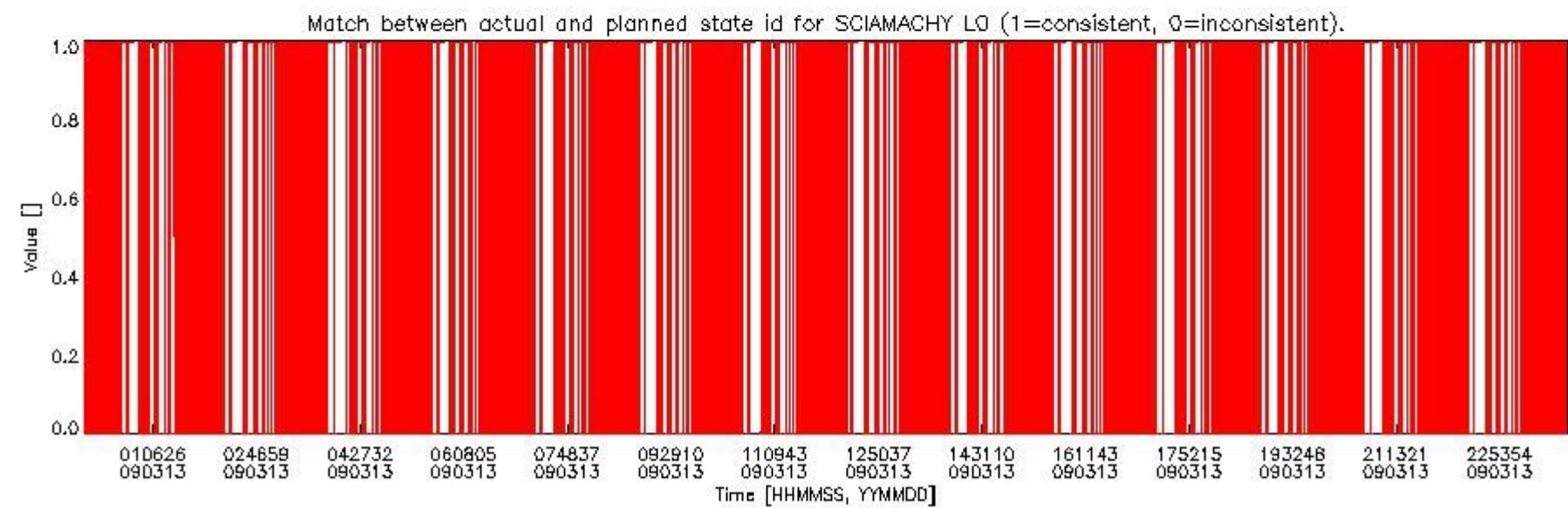
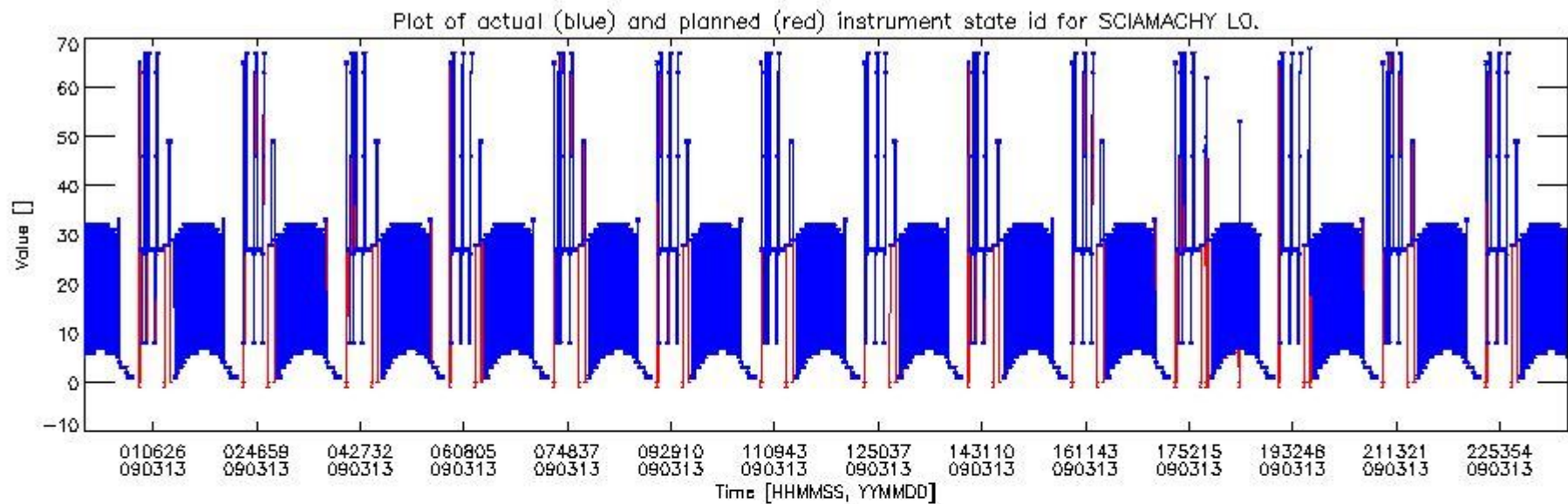


0.3 State monitoring

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: **47620**

#	Actual time	Actual value	Planned time	Planned value
0	13MAR2009 00:00:17.056596	6	13MAR2009 00:00:17.056596	32
1	13MAR2009 00:00:17.431609	6	13MAR2009 00:00:17.431609	32
2	13MAR2009 00:00:17.681578	6	13MAR2009 00:00:17.681578	32
3	13MAR2009 00:00:17.931587	6	13MAR2009 00:00:17.931587	32
4	13MAR2009 00:00:18.181595	6	13MAR2009 00:00:18.181595	32
5	13MAR2009 00:00:18.431604	6	13MAR2009 00:00:18.431604	32
6	13MAR2009 00:00:18.681613	6	13MAR2009 00:00:18.681613	32
7	13MAR2009 00:00:18.931581	6	13MAR2009 00:00:18.931581	32
8	13MAR2009 00:00:19.181590	6	13MAR2009 00:00:19.181590	32
9	13MAR2009 00:00:19.431598	6	13MAR2009 00:00:19.431598	32
10	13MAR2009 00:00:19.681607	6	13MAR2009 00:00:19.681607	32
11	13MAR2009 00:00:19.931576	6	13MAR2009 00:00:19.931576	32
12	13MAR2009 00:00:20.181584	6	13MAR2009 00:00:20.181584	32
13	13MAR2009 00:00:20.431593	6	13MAR2009 00:00:20.431593	32
14	13MAR2009 00:00:20.681602	6	13MAR2009 00:00:20.681602	32
15	13MAR2009 00:00:20.931610	6	13MAR2009 00:00:20.931610	32
16	13MAR2009 00:00:21.181579	6	13MAR2009 00:00:21.181579	32
17	13MAR2009 00:00:21.431588	6	13MAR2009 00:00:21.431588	32
18	13MAR2009 00:00:21.681596	6	13MAR2009 00:00:21.681596	32
19	13MAR2009 00:00:21.931605	6	13MAR2009 00:00:21.931605	32
...

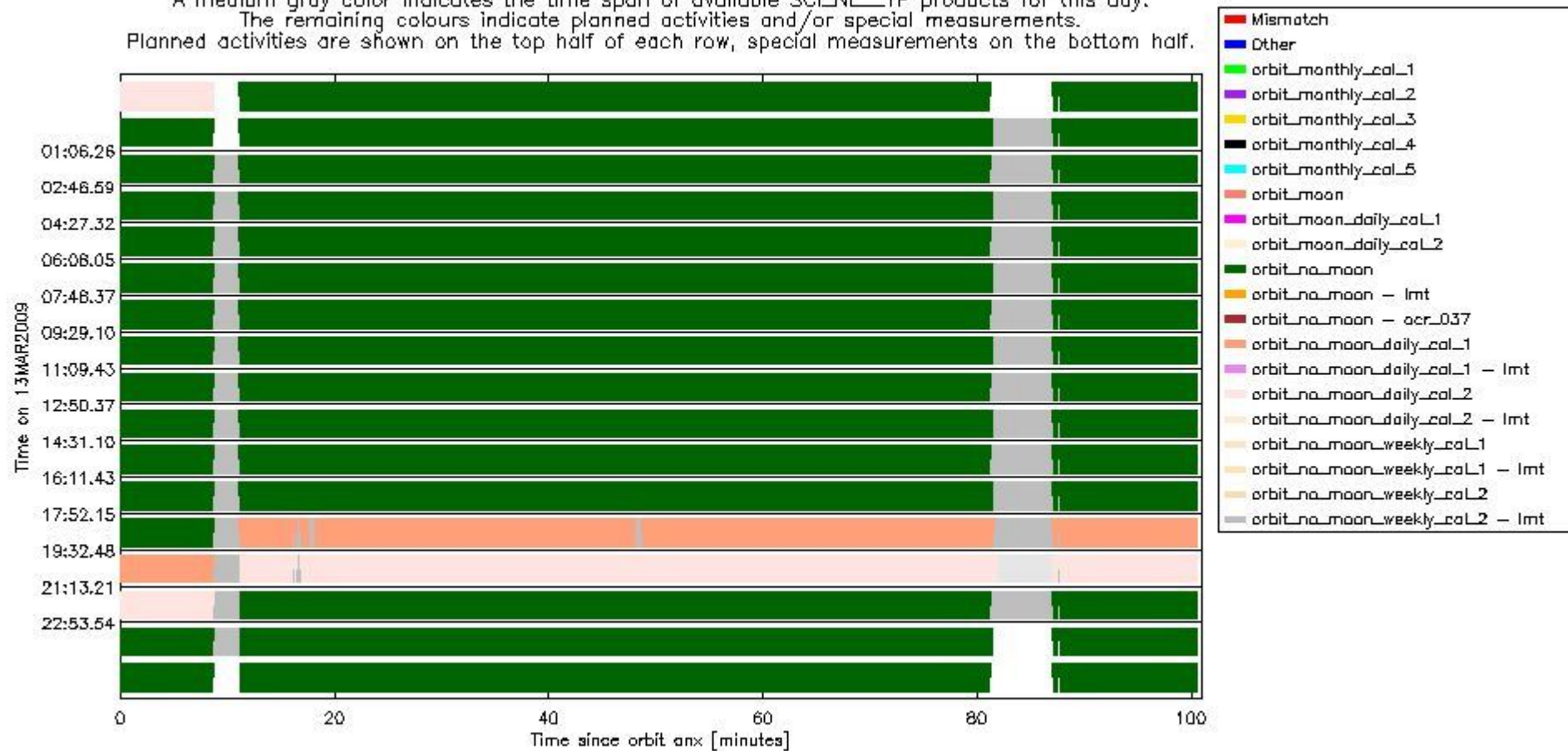


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090313_5.PNG

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 13MAR2009.
 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_20090313_6.PNG

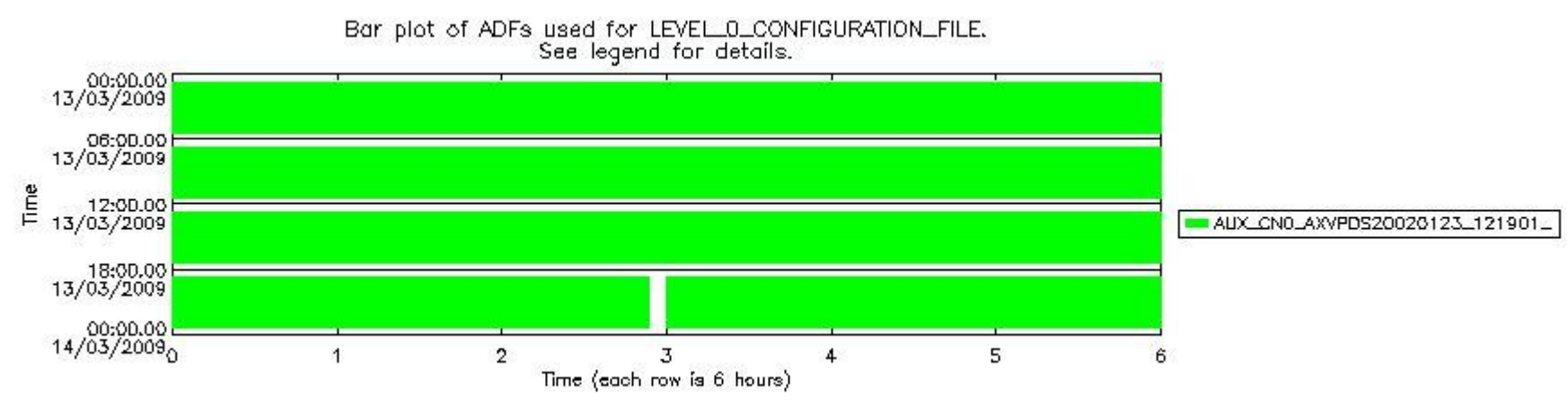
0.4 ADF monitoring

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

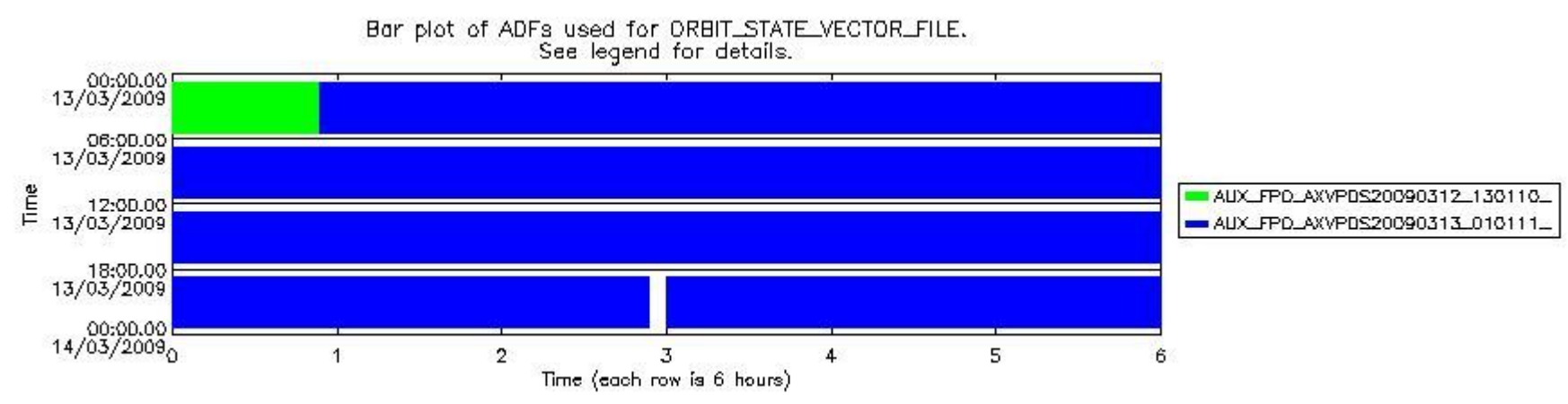
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

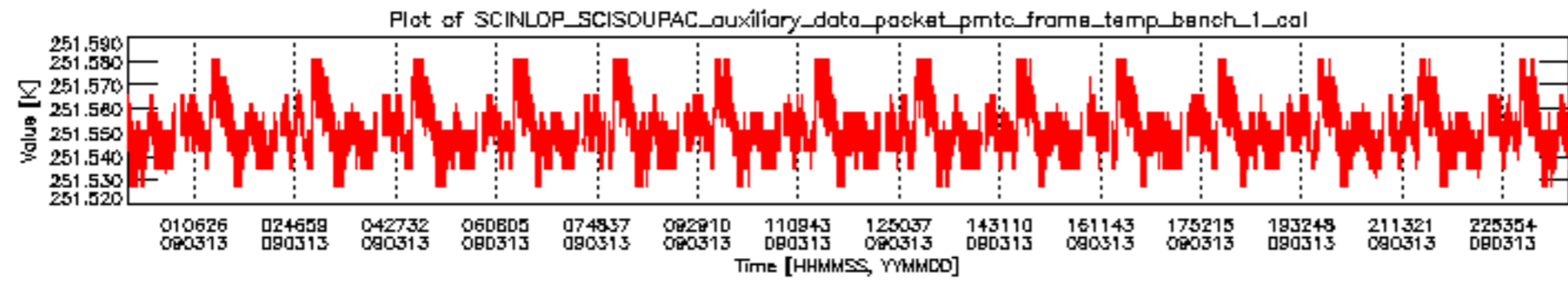
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090312_130110_20090312_082018_20090321_184107
2	AUX_FPO_AXVPDS20090313_010111_20090312_182354_20090322_213042

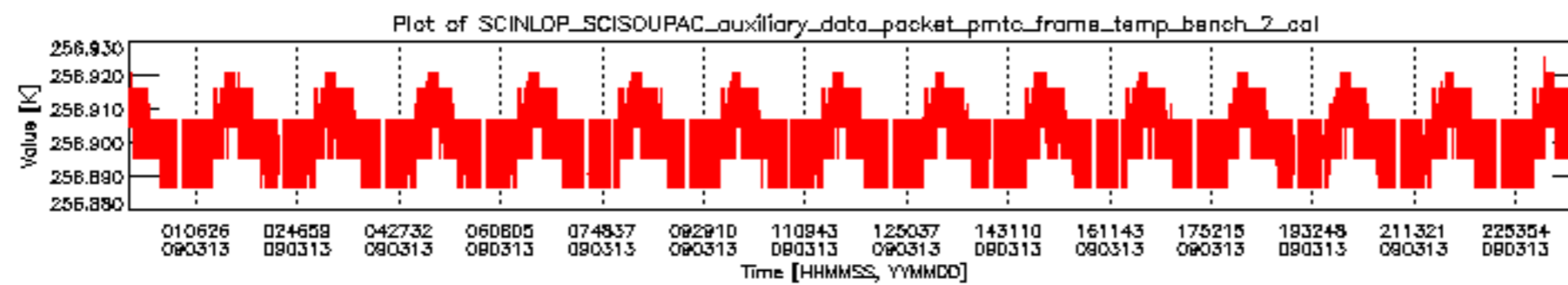


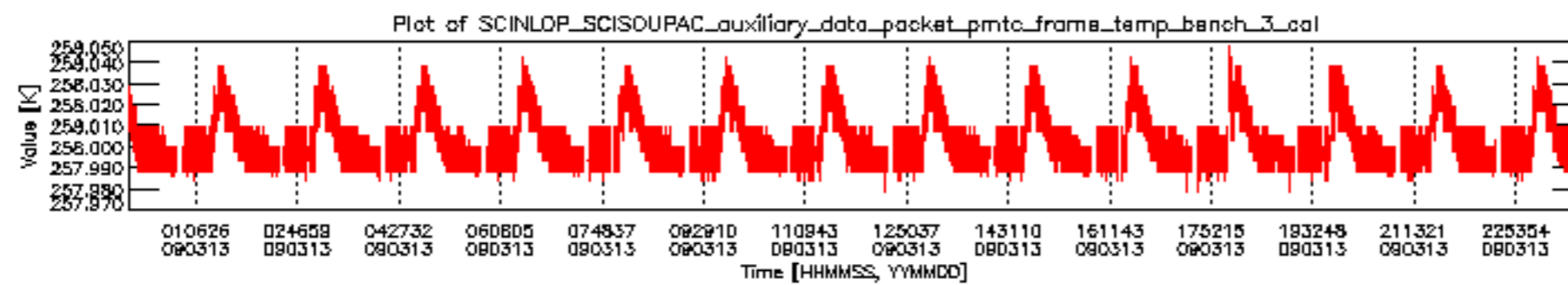
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090313_7.PNG

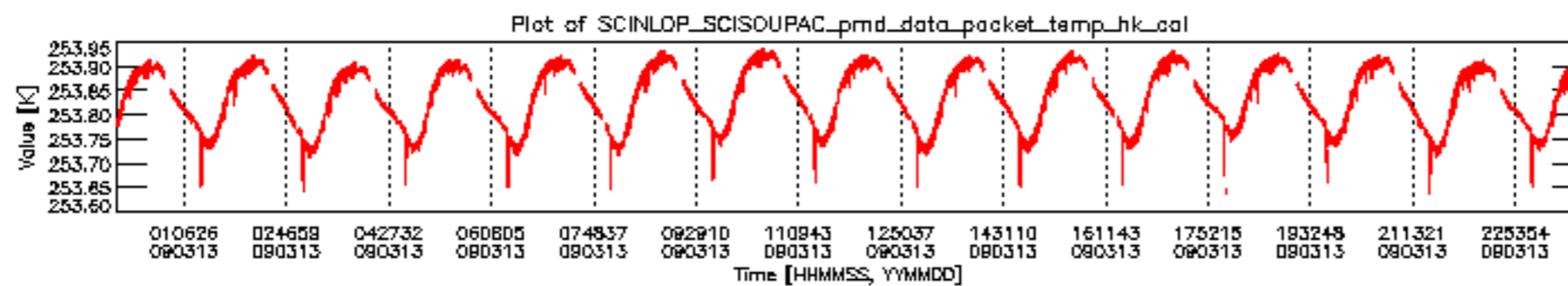


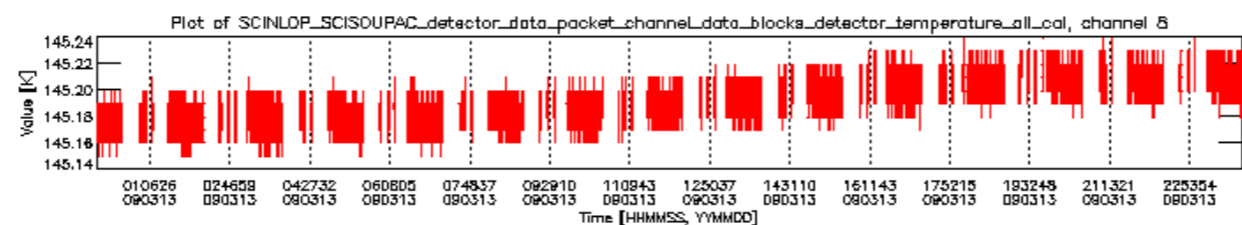
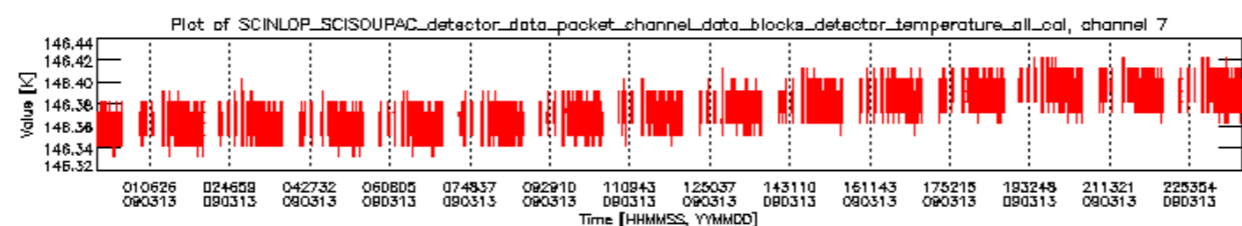
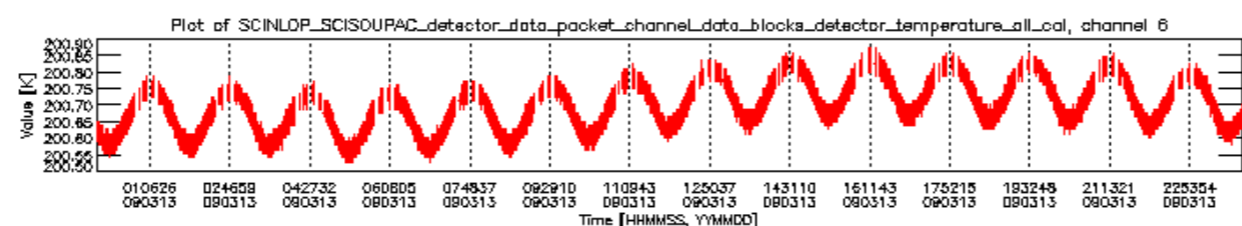
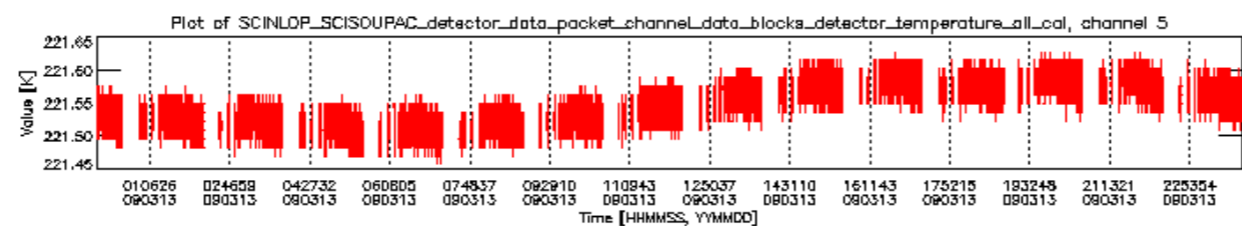
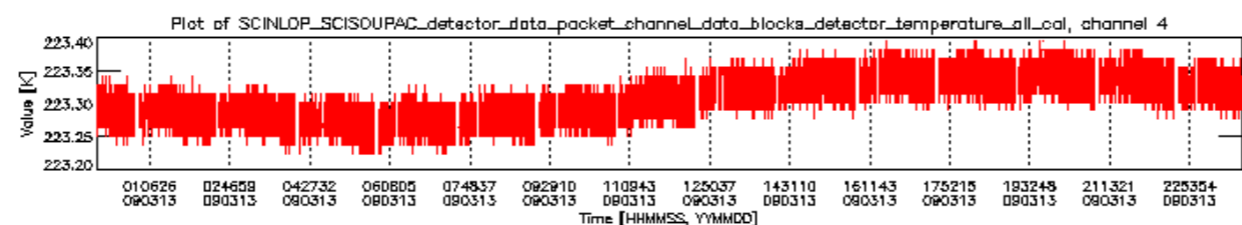
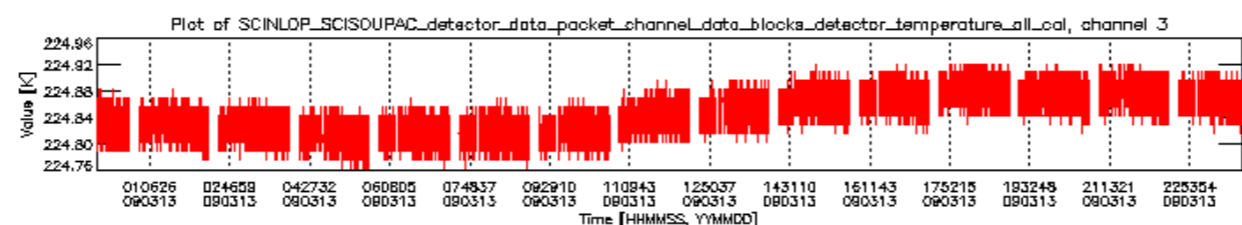
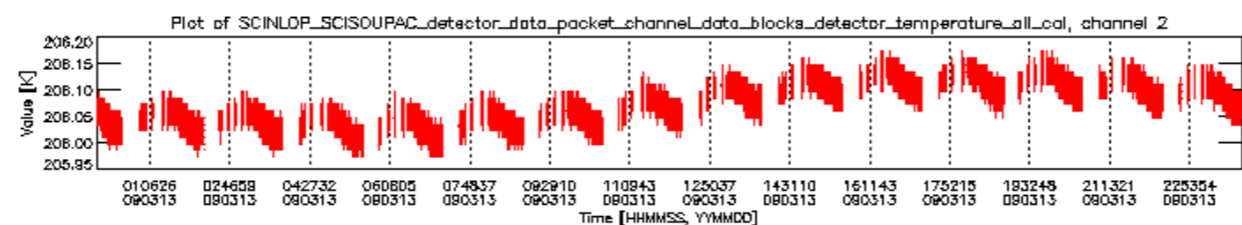
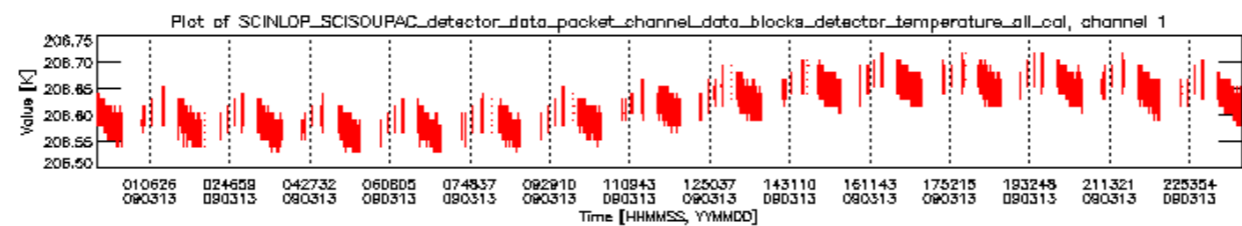
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090313_8.PNG

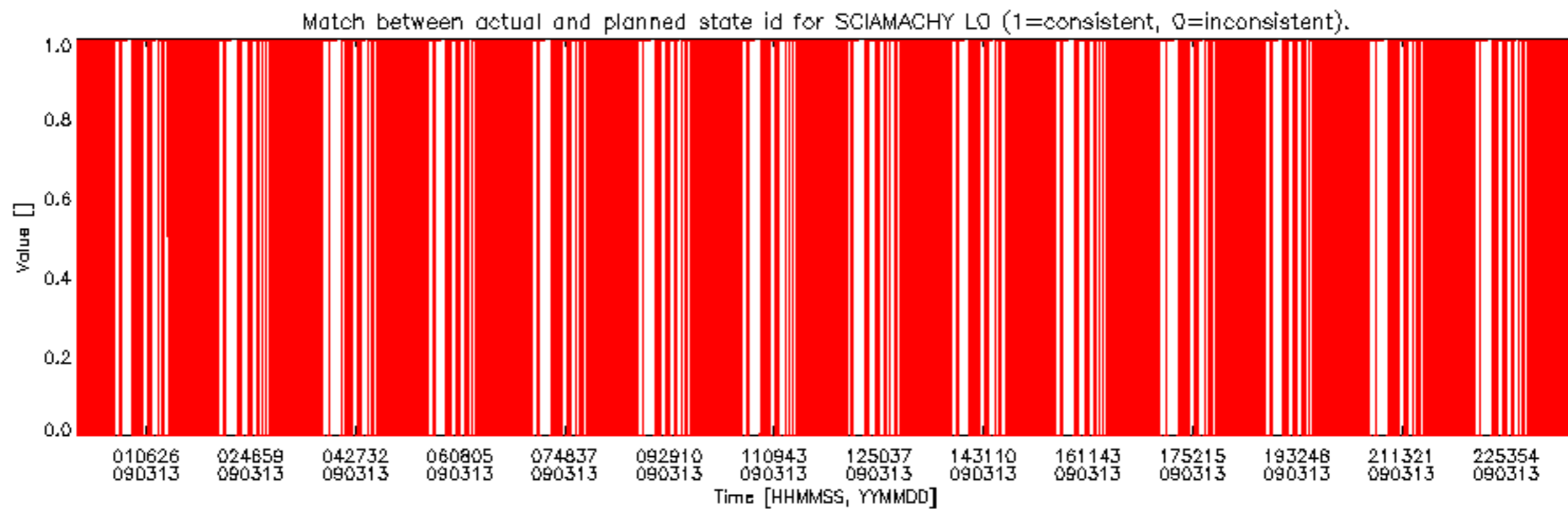
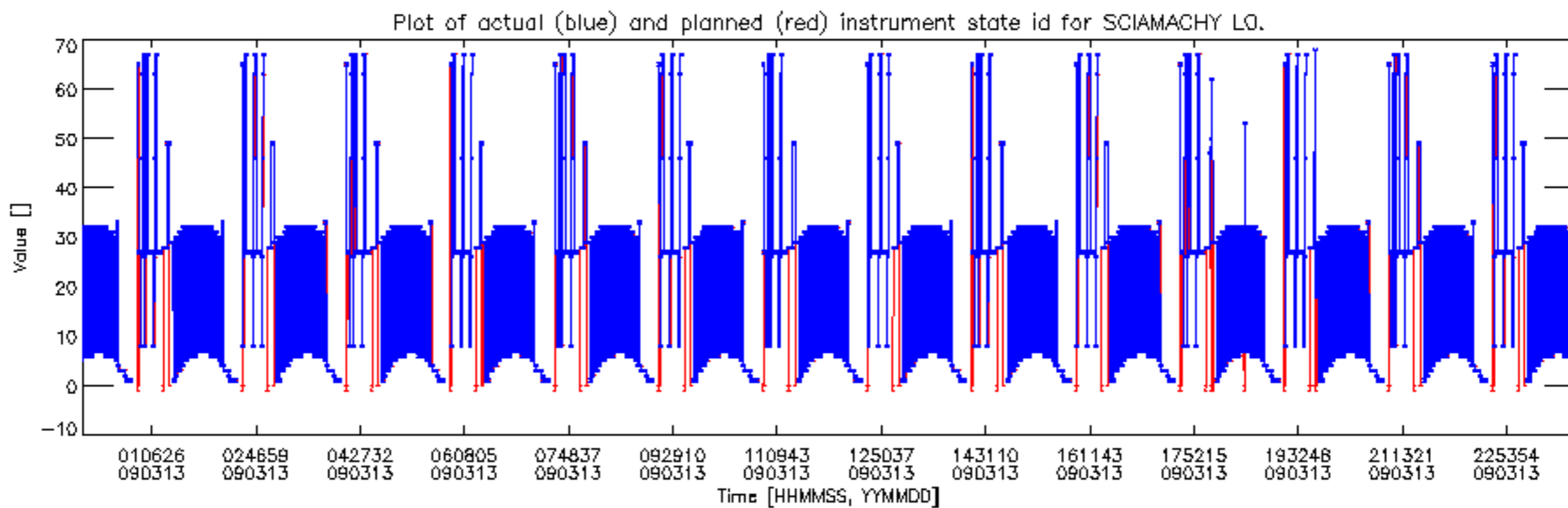












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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