

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	v1.4 20100407
Time of report generation	12APR2010 07:31:24
Data source version	<Any version>
Processing scope for products	05APR2010 00:00:00 to 06APR2010 00:00:00
Start time of first product within scope	05APR2010 01:00:19
Stop time of last product within scope	06APR2010 00:29:19
Total number of Level 0 products	14
Number of Level 0 products with errors	0

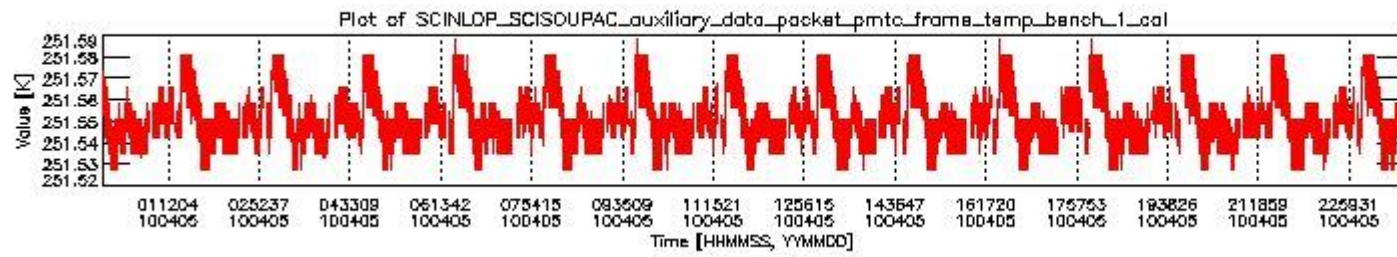
0.1.2 Summary per product

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

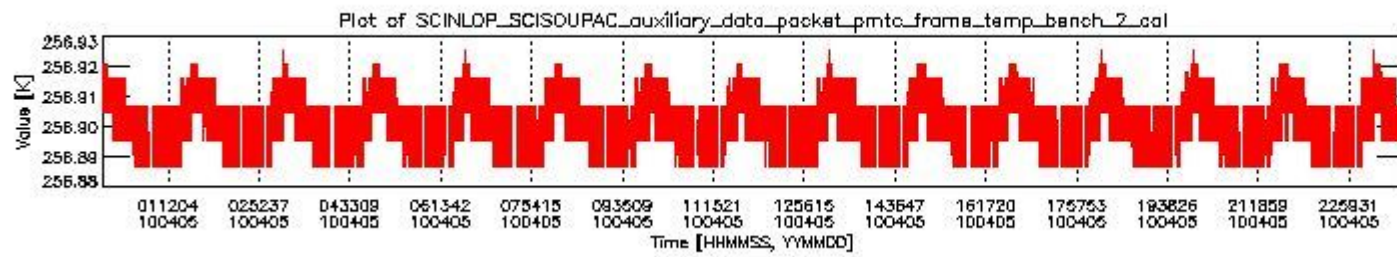
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100405_010019_000095902088_00188_42326_1213.N1	05APR2010 01:00:19	05APR2010 03:40:09	0	0	0	0	0
1	SCI_NL__OPNPDE20100405_034009_000068512088_00190_42328_1214.N1	05APR2010 03:40:09	05APR2010 05:34:20	0	0	0	0	0
2	SCI_NL__OPNPDE20100405_053420_000060912088_00191_42329_1215.N1	05APR2010 05:34:20	05APR2010 07:15:51	0	0	0	0	0
3	SCI_NL__OPNPDK20100405_071455_000039892088_00192_42330_1049.N1	05APR2010 07:14:55	05APR2010 08:21:24	0	0	0	0	0
4	SCI_NL__OPNPDK20100405_082016_000062162088_00193_42331_1050.N1	05APR2010 08:20:16	05APR2010 10:03:51	0	0	0	0	0
5	SCI_NL__OPNPDK20100405_100256_000060352088_00194_42332_1051.N1	05APR2010 10:02:56	05APR2010 11:43:31	0	0	0	0	0
6	SCI_NL__OPNPDK20100405_114235_000059672088_00195_42333_1052.N1	05APR2010 11:42:35	05APR2010 13:22:02	0	0	0	0	0
7	SCI_NL__OPNPDK20100405_132053_000059802088_00196_42334_1053.N1	05APR2010 13:20:53	05APR2010 15:00:33	0	0	0	0	0
8	SCI_NL__OPNPDK20100405_145937_000058982088_00197_42335_1054.N1	05APR2010 14:59:37	05APR2010 16:37:56	0	0	0	0	0
9	SCI_NL__OPNPDK20100405_163551_000058652088_00198_42336_1055.N1	05APR2010 16:35:51	05APR2010 18:13:36	0	0	0	0	0
10	SCI_NL__OPNPDK20100405_181336_000060032088_00199_42337_1056.N1	05APR2010 18:13:36	05APR2010 19:53:40	0	0	0	0	0
11	SCI_NL__OPNPDE20100405_195101_000042872088_00200_42338_1216.N1	05APR2010 19:51:01	05APR2010 21:02:28	0	0	0	0	0
12	SCI_NL__OPNPDE20100405_210228_000063352088_00200_42338_1217.N1	05APR2010 21:02:28	05APR2010 22:48:04	0	0	0	0	0
13	SCI_NL__OPNPDE20100405_224730_000061082088_00201_42339_1218.N1	05APR2010 22:47:30	06APR2010 00:29:19	0	0	0	0	0

0.2 Product Quality Indicators

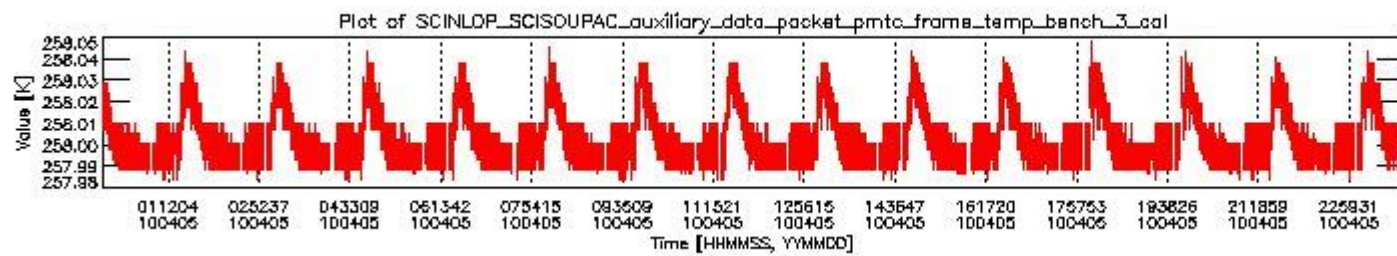
This section shows information about product quality, currently temperatures.



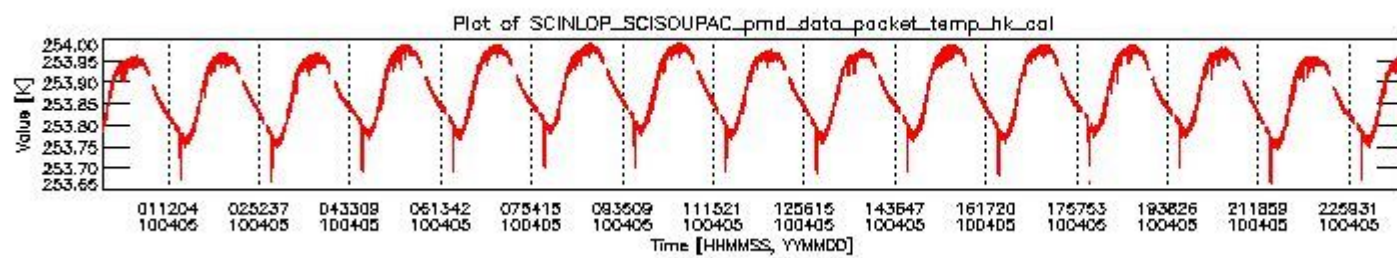
sciamachy_daily_report_level0_Any_version_20100405_0.PNG



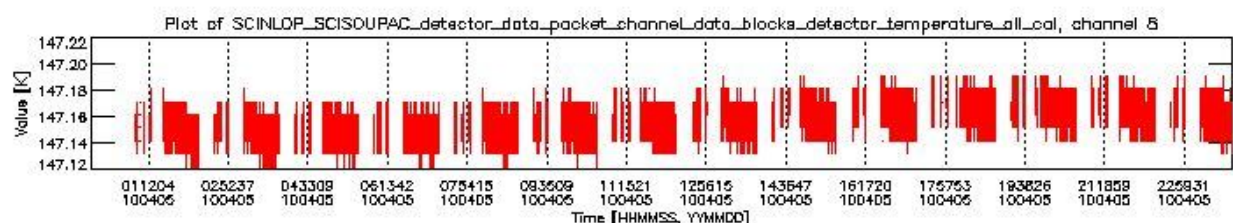
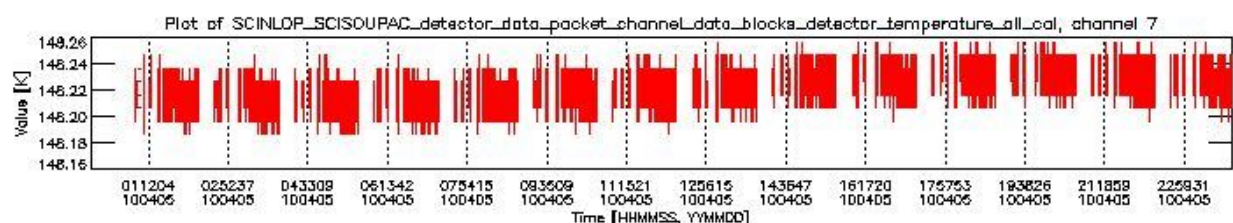
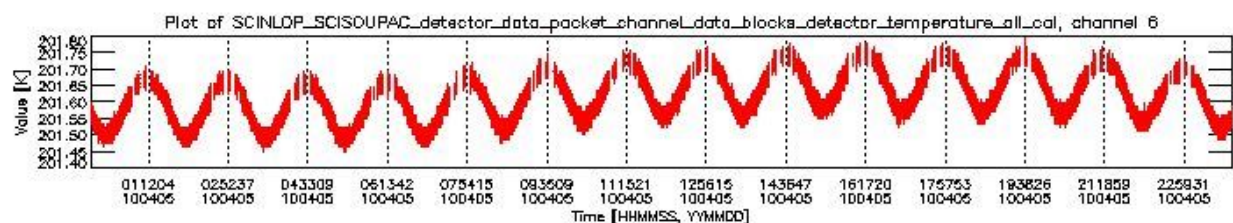
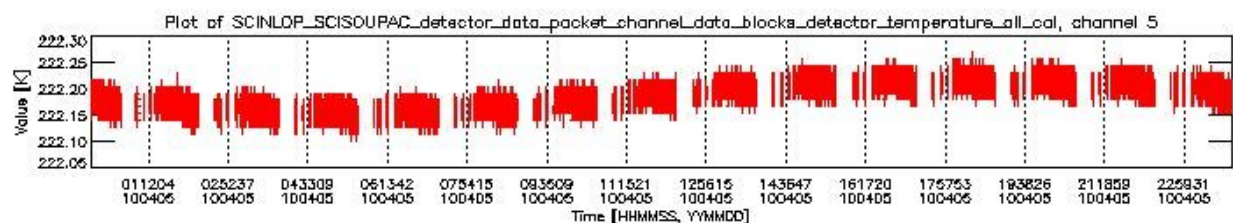
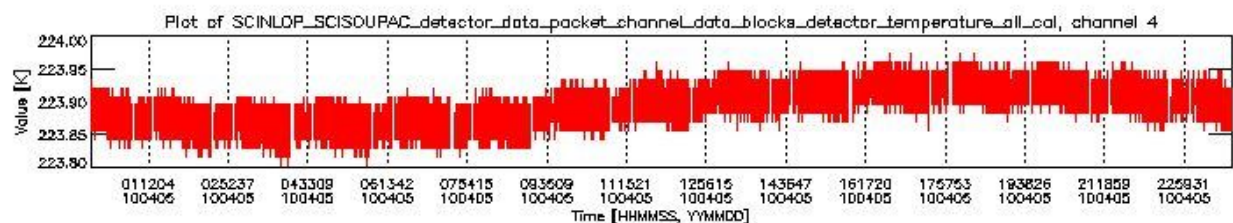
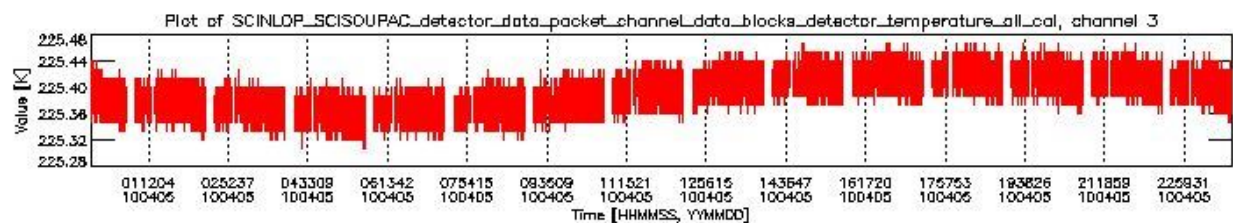
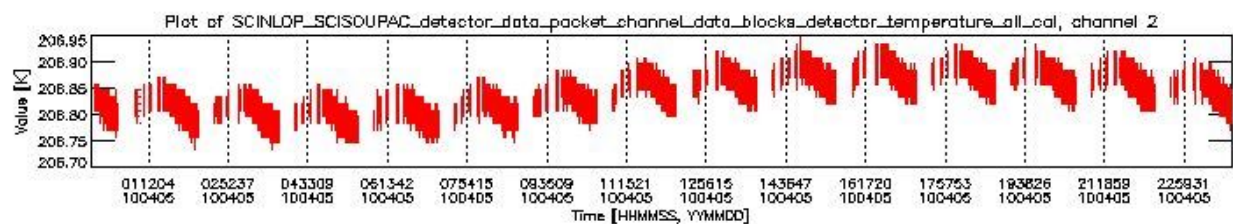
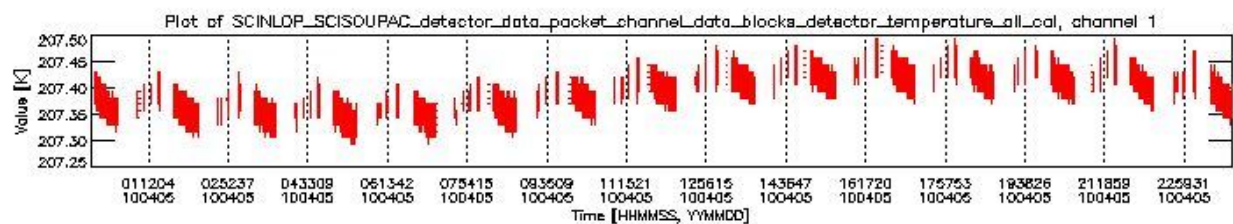
sciamachy_daily_report_level0_Any_version_20100405_1.PNG



sciamachy_daily_report_level0_Any_version_20100405_2.PNG



sciamachy_daily_report_level0_Any_version_20100405_3.PNG

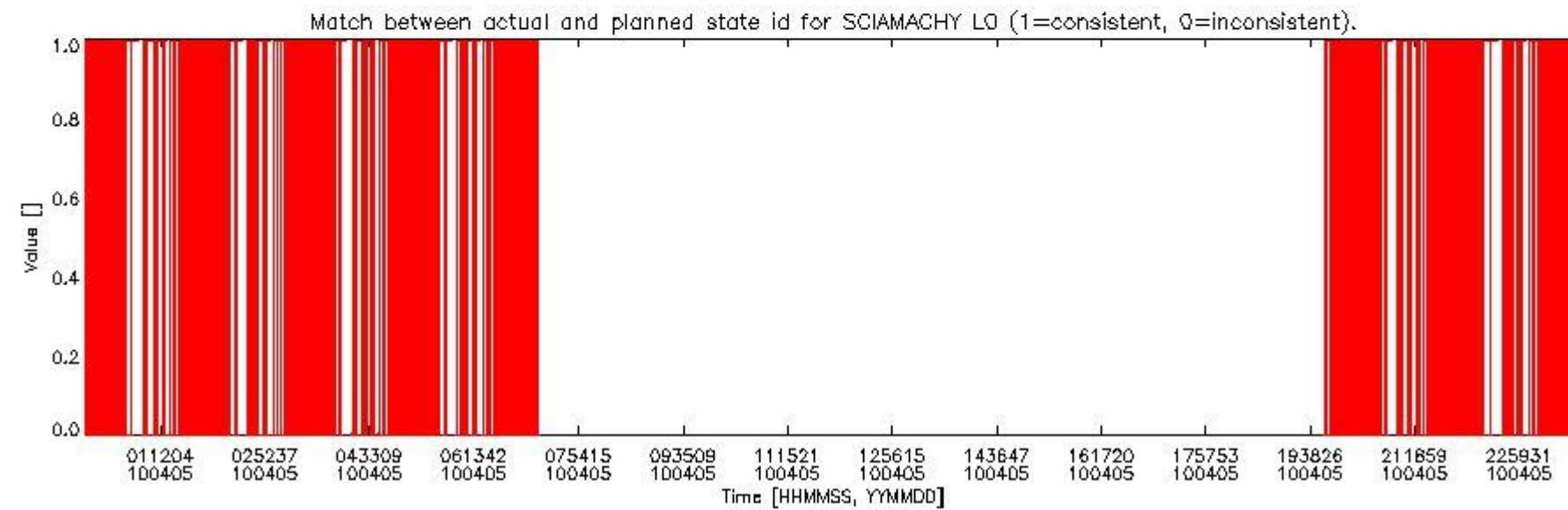
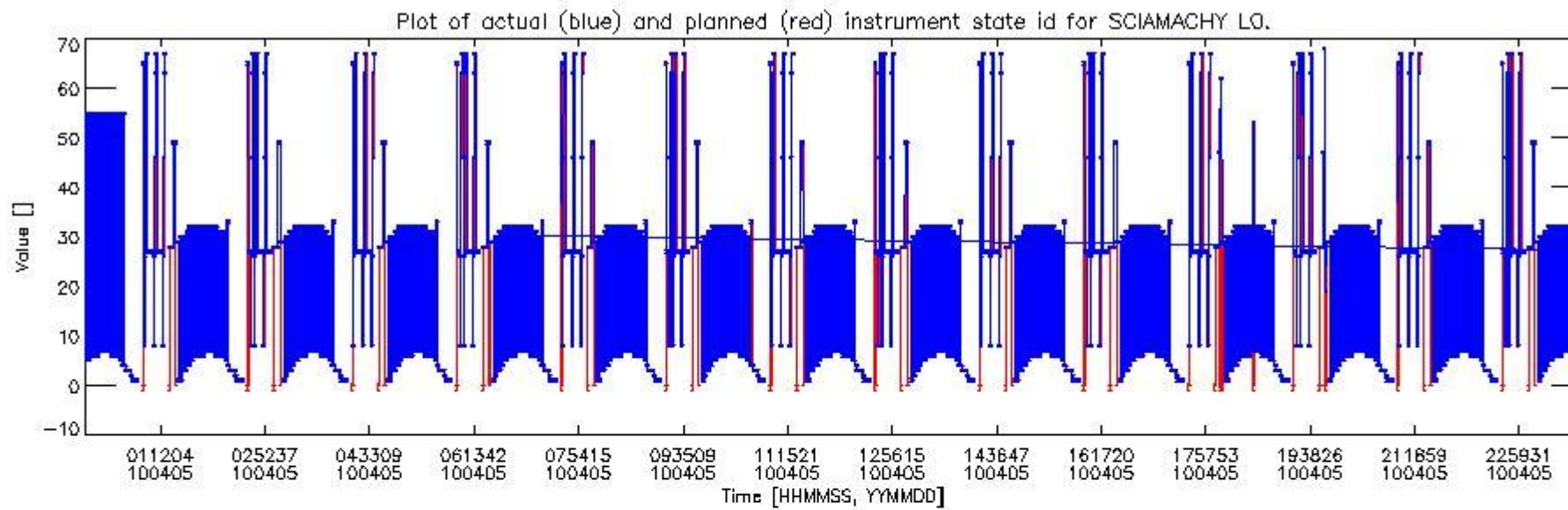


0.3 State monitoring

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: **40258**

#	Actual time	Actual value	Planned time	Planned value
0	05APR2010 00:00:18.777685	5	05APR2010 00:00:18.777685	55
1	05APR2010 00:00:19.027685	5	05APR2010 00:00:19.027685	55
2	05APR2010 00:00:19.152685	5	05APR2010 00:00:19.152685	55
3	05APR2010 00:00:19.277685	5	05APR2010 00:00:19.277685	55
4	05APR2010 00:00:19.402685	5	05APR2010 00:00:19.402685	55
5	05APR2010 00:00:19.527685	5	05APR2010 00:00:19.527685	55
6	05APR2010 00:00:19.652685	5	05APR2010 00:00:19.652685	55
7	05APR2010 00:00:19.777685	5	05APR2010 00:00:19.777685	55
8	05APR2010 00:00:19.902685	5	05APR2010 00:00:19.902685	55
9	05APR2010 00:00:20.027685	5	05APR2010 00:00:20.027685	55
10	05APR2010 00:00:20.152685	5	05APR2010 00:00:20.152685	55
11	05APR2010 00:00:20.277685	5	05APR2010 00:00:20.277685	55
12	05APR2010 00:00:20.402685	5	05APR2010 00:00:20.402685	55
13	05APR2010 00:00:20.527685	5	05APR2010 00:00:20.527685	55
14	05APR2010 00:00:20.652685	5	05APR2010 00:00:20.652685	55
15	05APR2010 00:00:20.777685	5	05APR2010 00:00:20.777685	55
16	05APR2010 00:00:20.902685	5	05APR2010 00:00:20.902685	55
17	05APR2010 00:00:21.027685	5	05APR2010 00:00:21.027685	55
18	05APR2010 00:00:21.152685	5	05APR2010 00:00:21.152685	55
19	05APR2010 00:00:21.277685	5	05APR2010 00:00:21.277685	55
...

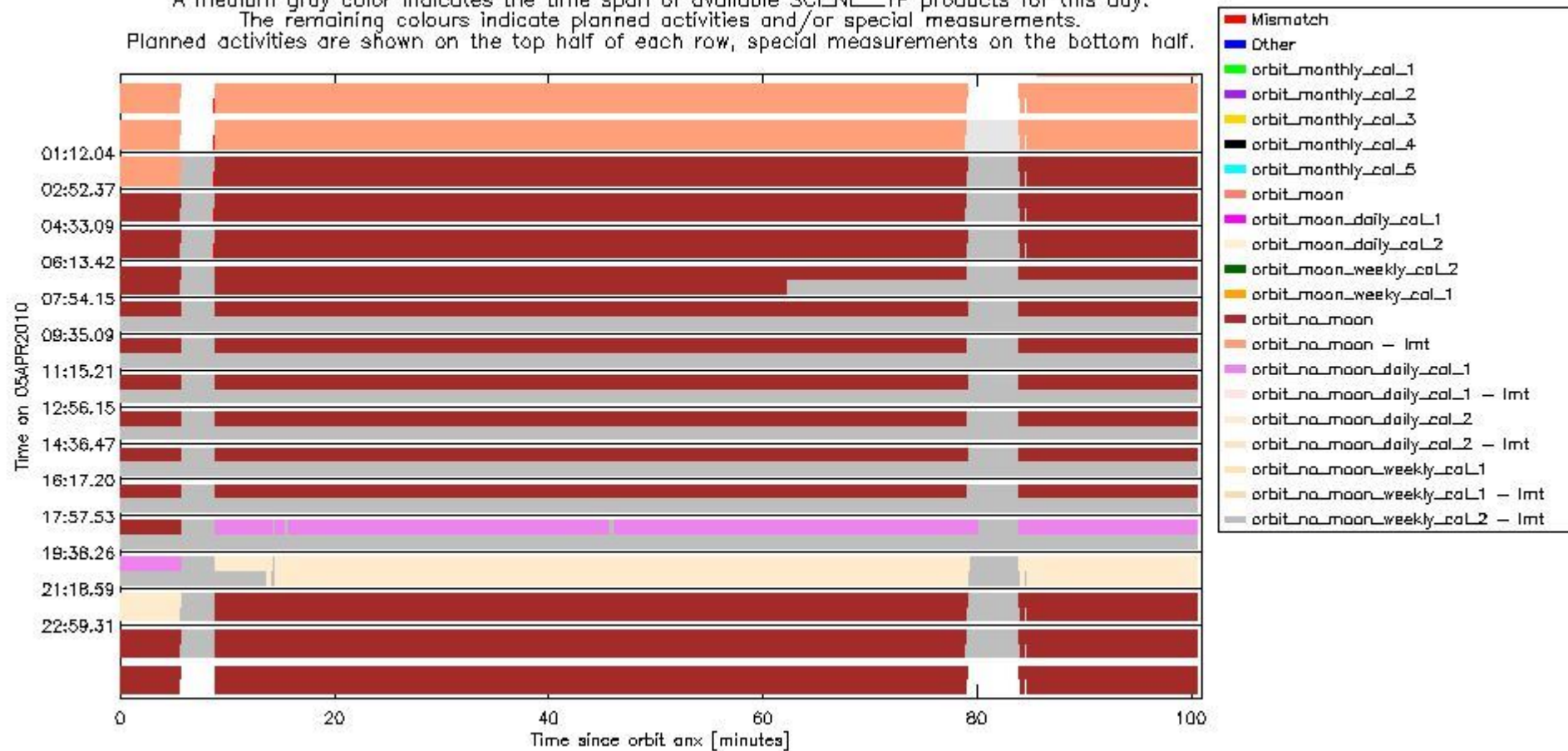


sciamachy_daily_report_level0_Any_version_20100405_5.PNG

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 Q5APR2010.
 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_Any_version_20100405_6.PNG

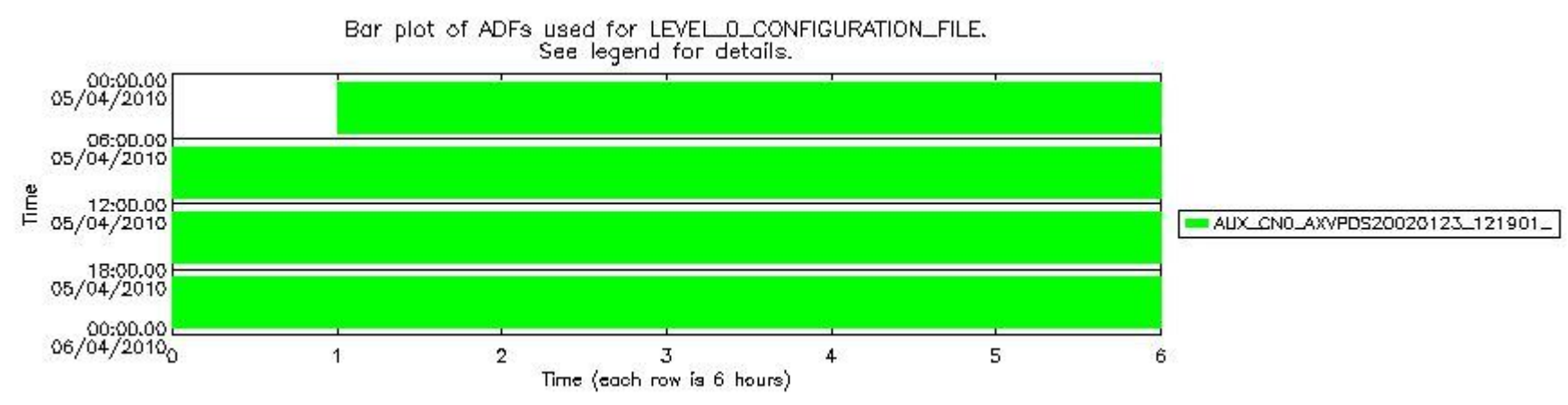
0.4 ADF monitoring

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

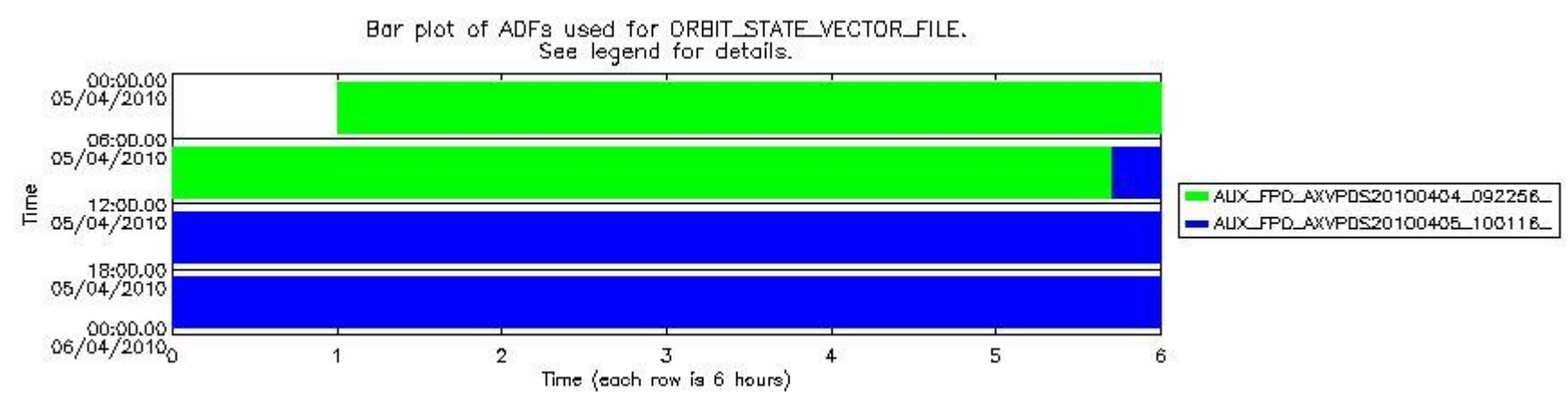
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

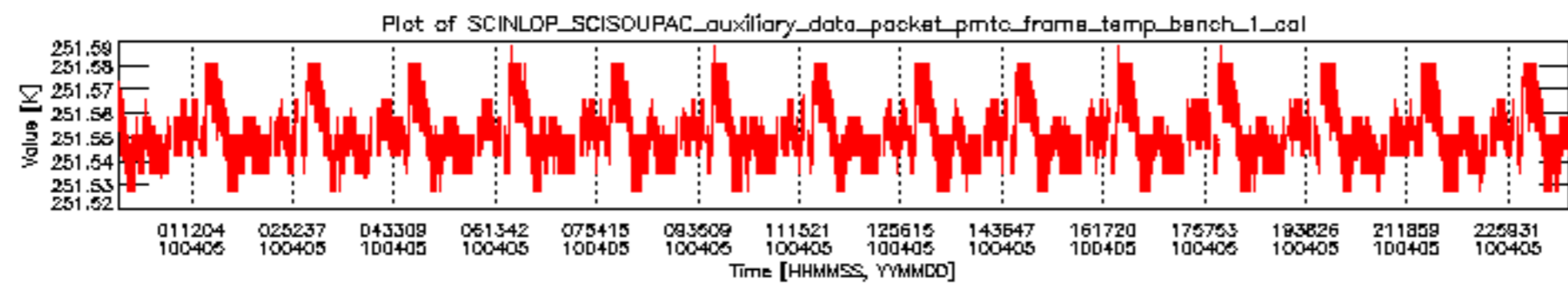
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100404_092256_20100403_190109_20100413_202722
2	AUX_FPO_AXVPDS20100405_100116_20100404_182932_20100414_213620

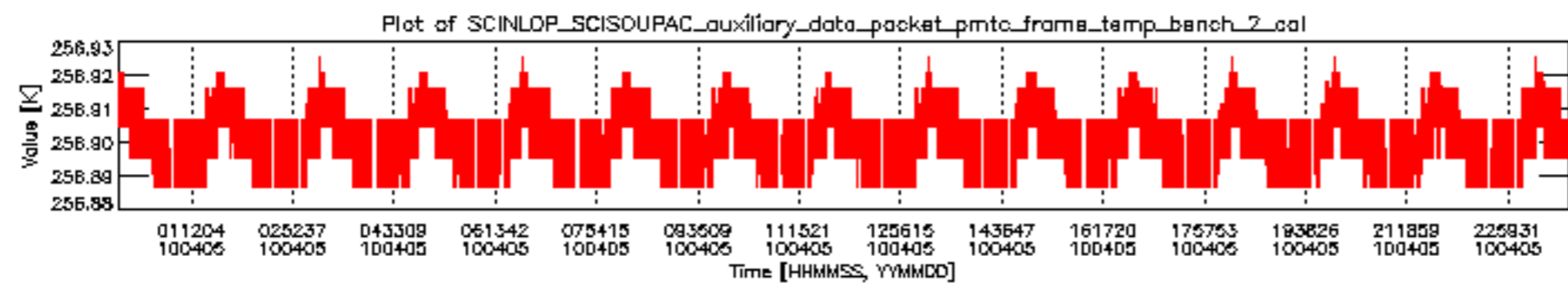


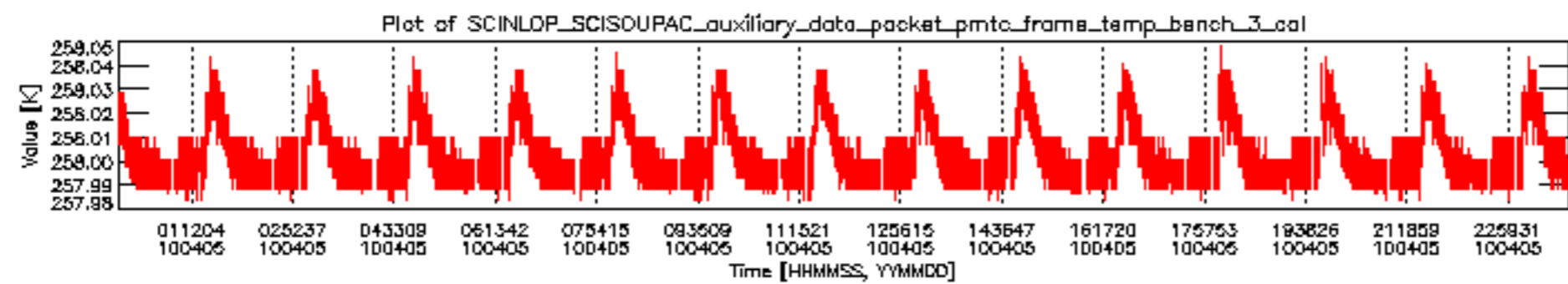
sciamachy_daily_report_level0_Any_version_20100405_7.PNG

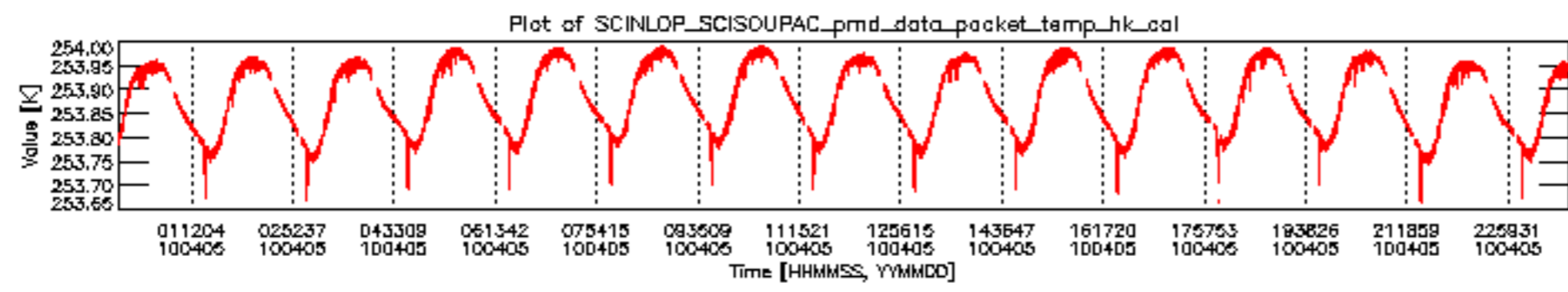


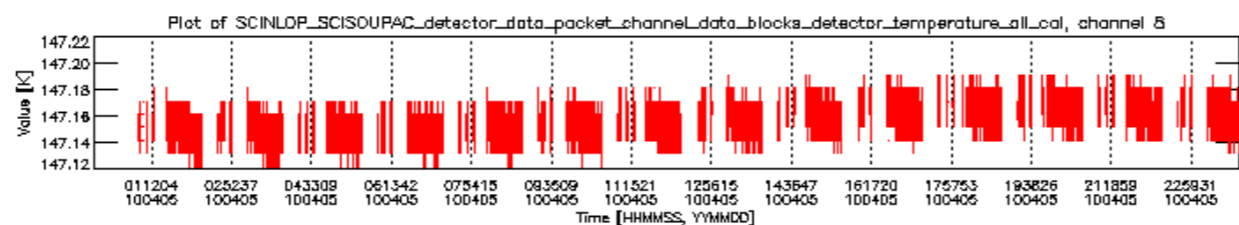
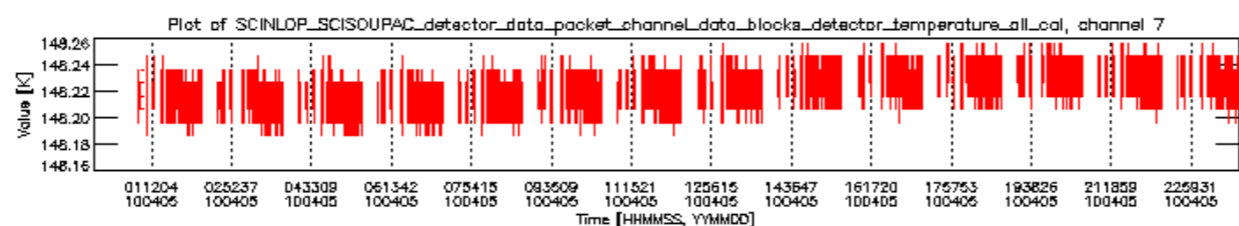
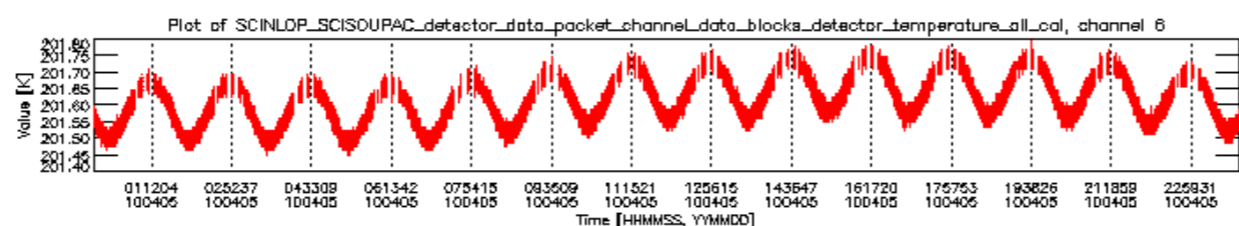
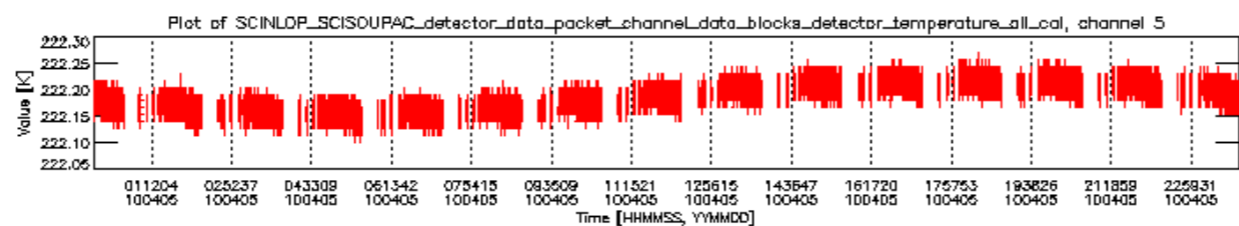
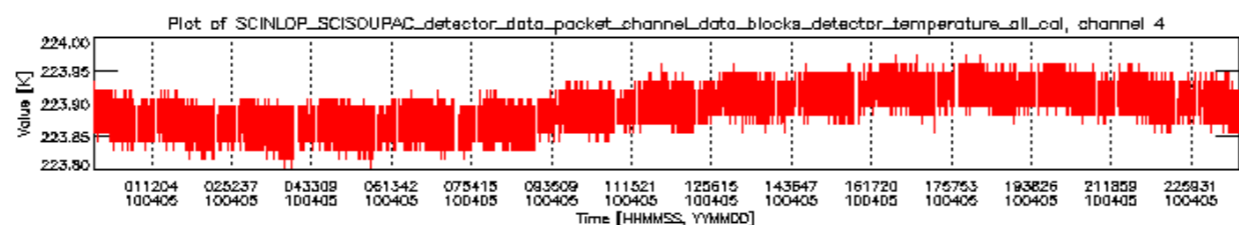
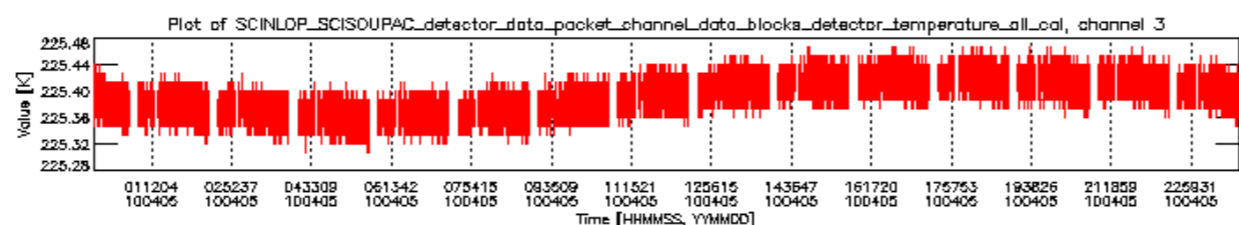
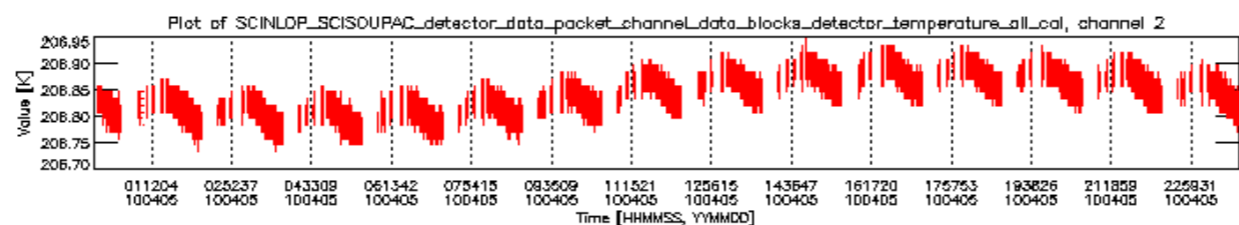
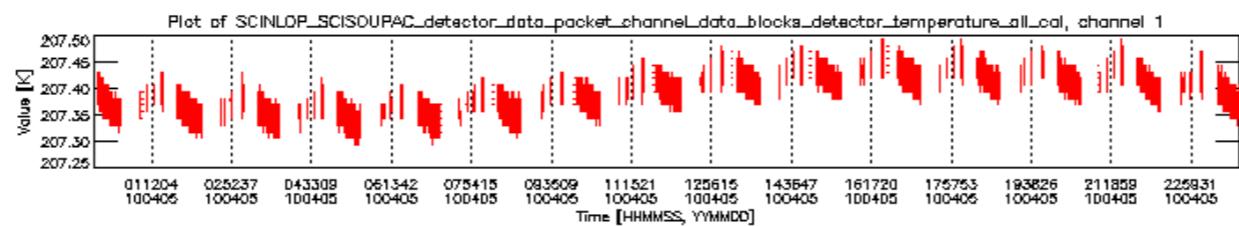
sciamachy_daily_report_level0_Any_version_20100405_8.PNG

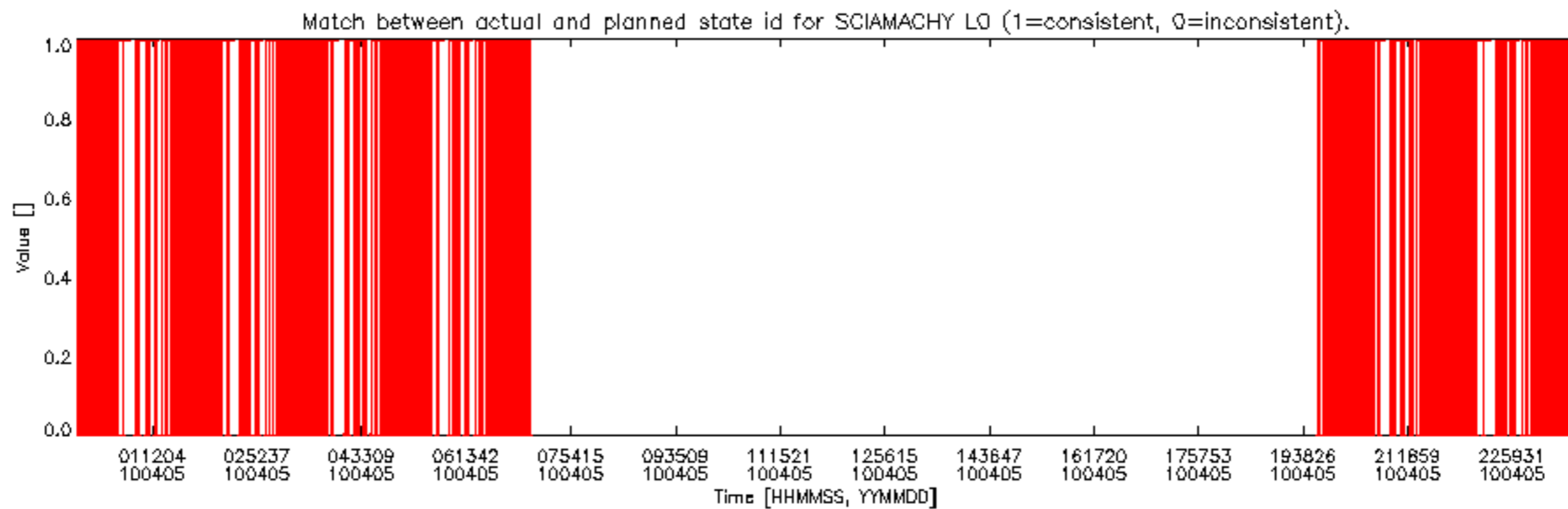
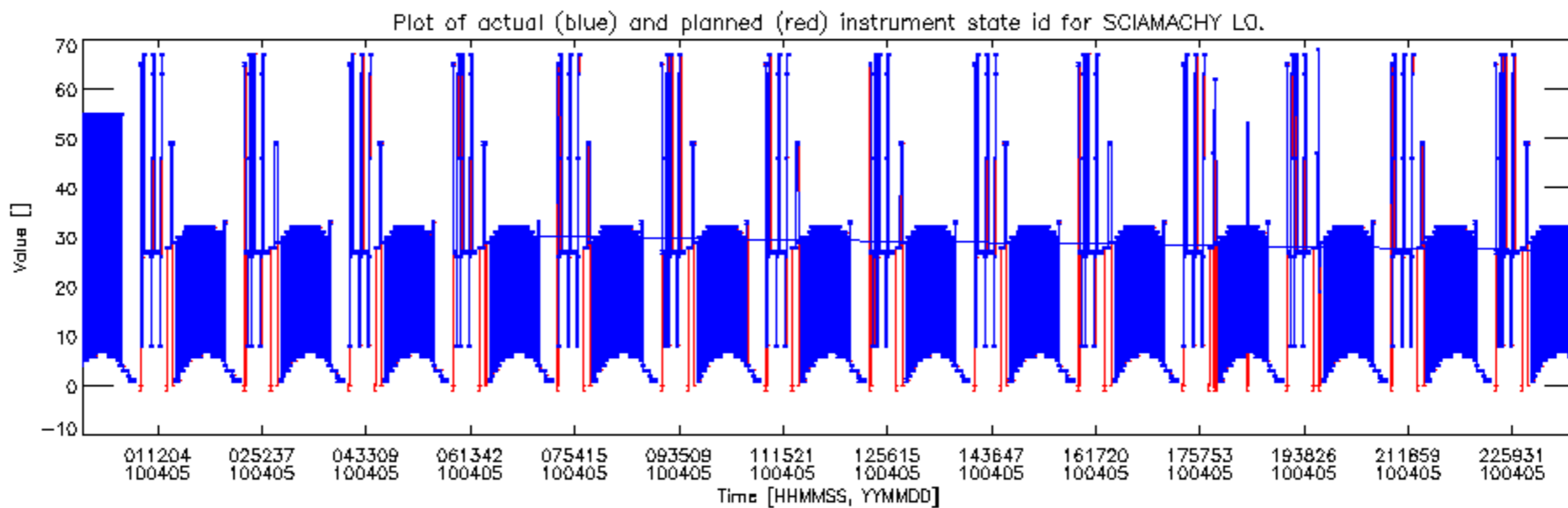












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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