

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	21APR2010 02:34:34
Data source version	<Any version>
Processing scope for products	14APR2010 00:00:00 to 15APR2010 00:00:00
Start time of first product within scope	14APR2010 01:15:56
Stop time of last product within scope	14APR2010 10:21:22
Total number of Level 0 products	5
Number of Level 0 products with errors	0

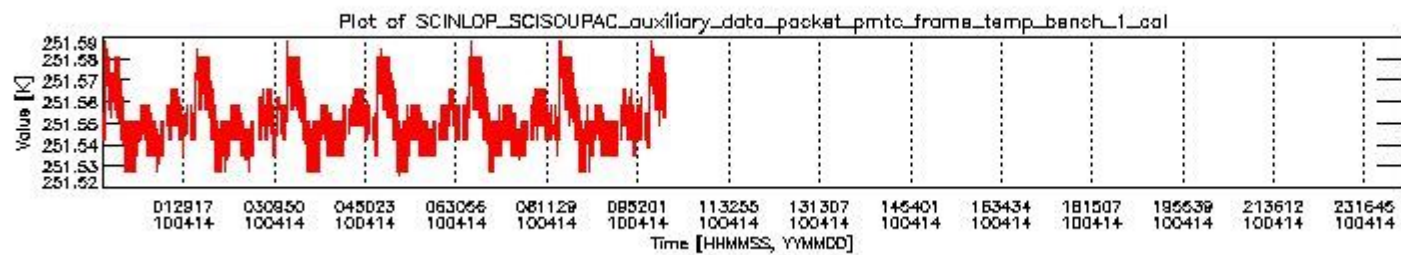
0.1.2 Summary per product

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

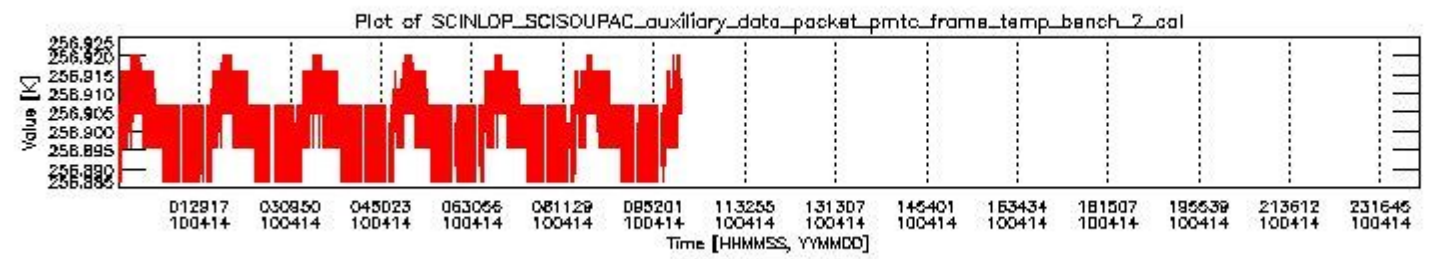
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDE20100414_011556_000096482088_00317_42455_1268.N1	14APR2010 01:15:56	14APR2010 03:56:44	0	0	0	0	0
1	SCI_NL__0PNPDE20100414_035644_000068942088_00319_42457_1269.N1	14APR2010 03:56:44	14APR2010 05:51:38	0	0	0	0	0
2	SCI_NL__0PNPDE20100414_055138_000061732088_00320_42458_1270.N1	14APR2010 05:51:38	14APR2010 07:34:31	0	0	0	0	0
3	SCI_NL__0PNPDK20100414_073431_000038522088_00321_42459_1130.N1	14APR2010 07:34:31	14APR2010 08:38:42	0	0	0	0	0
4	SCI_NL__0PNPDK20100414_083842_000061602088_00322_42460_1131.N1	14APR2010 08:38:42	14APR2010 10:21:22	0	0	0	0	0

0.2 Product Quality Indicators

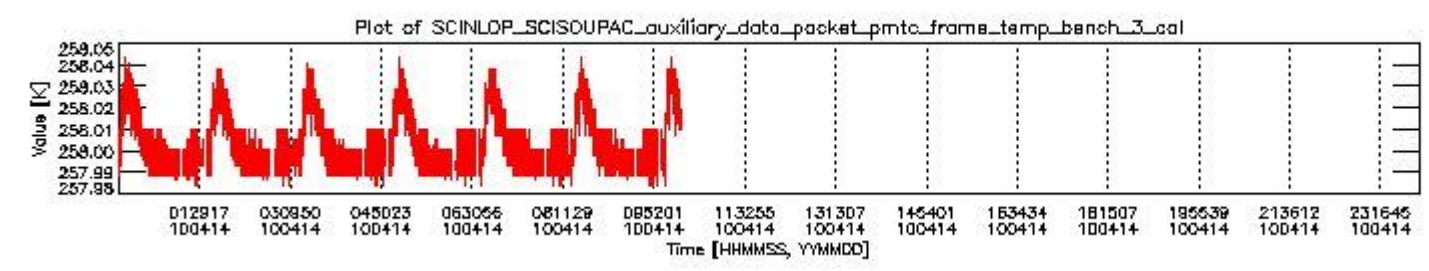
This section shows information about product quality, currently temperatures.



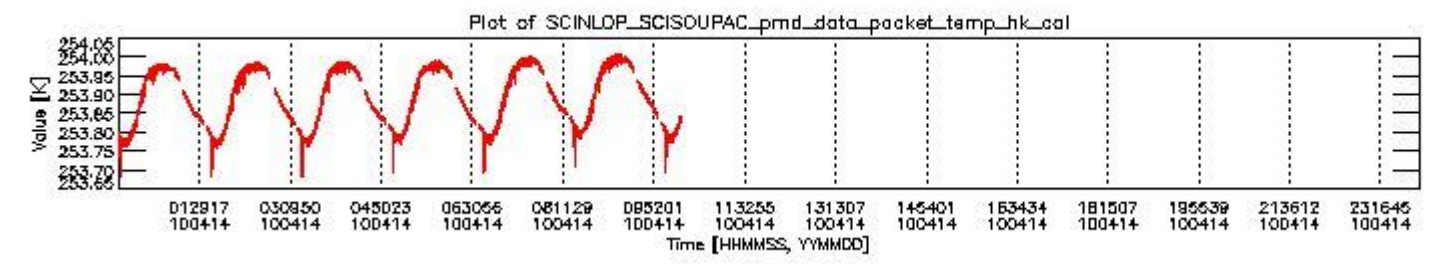
sciamachy_daily_report_level0__Any_version__20100414_0.PNG



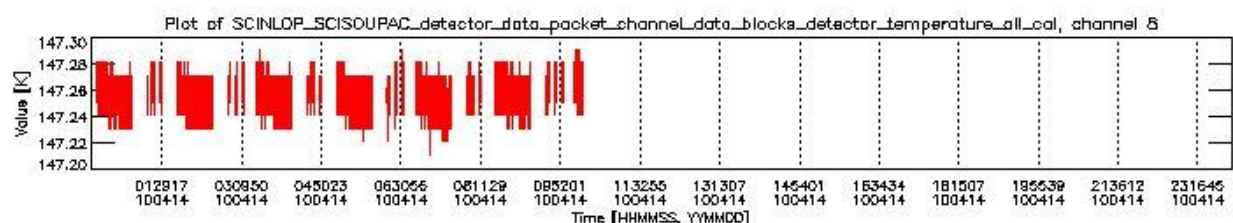
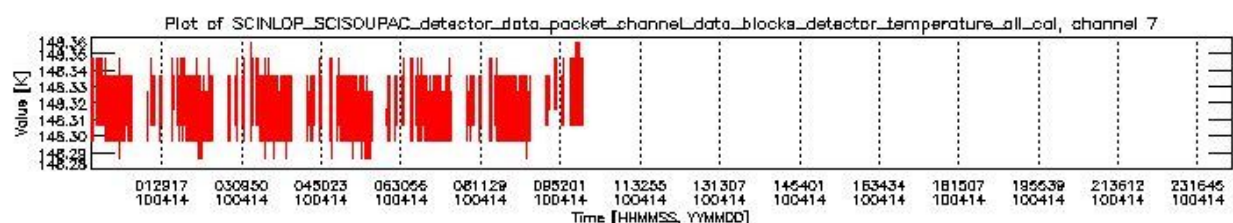
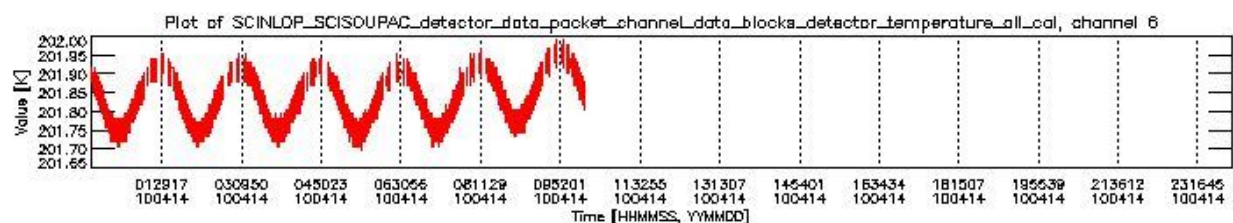
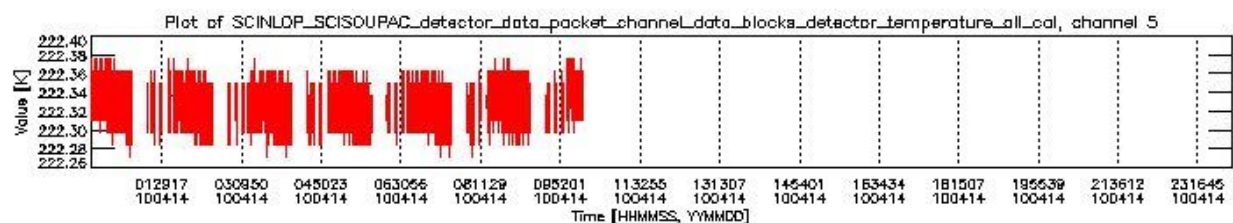
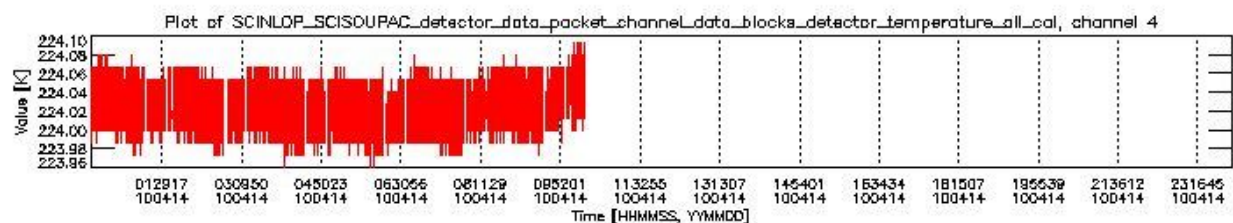
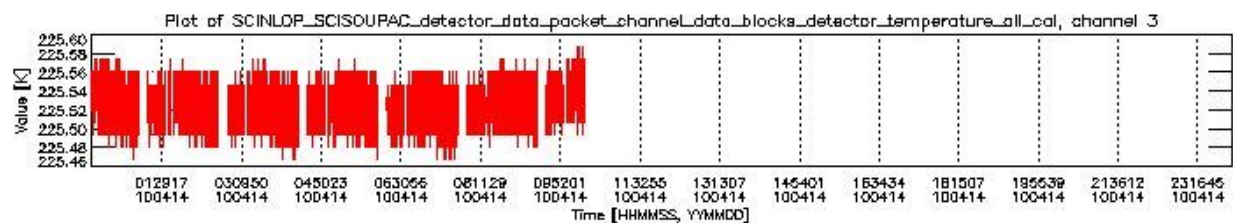
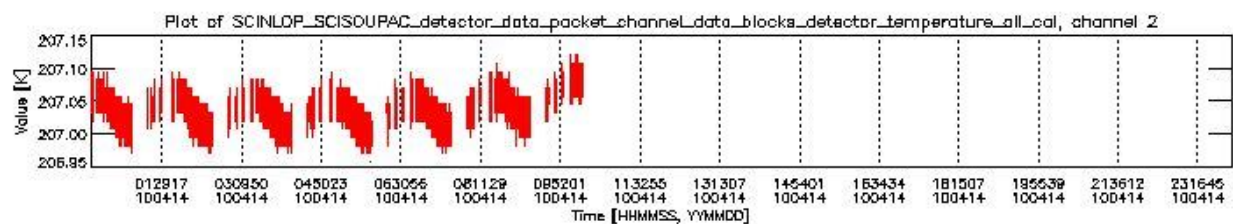
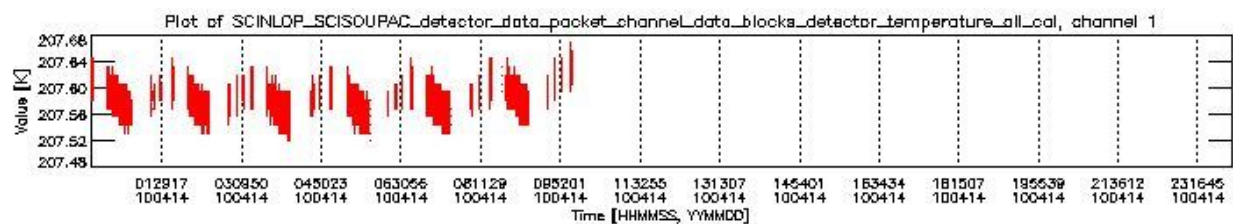
sciamachy_daily_report_level0_Any_version_20100414_1.PNG



sciamachy_daily_report_level0_Any_version_20100414_2.PNG



sciamachy_daily_report_level0_Any_version_20100414_3.PNG

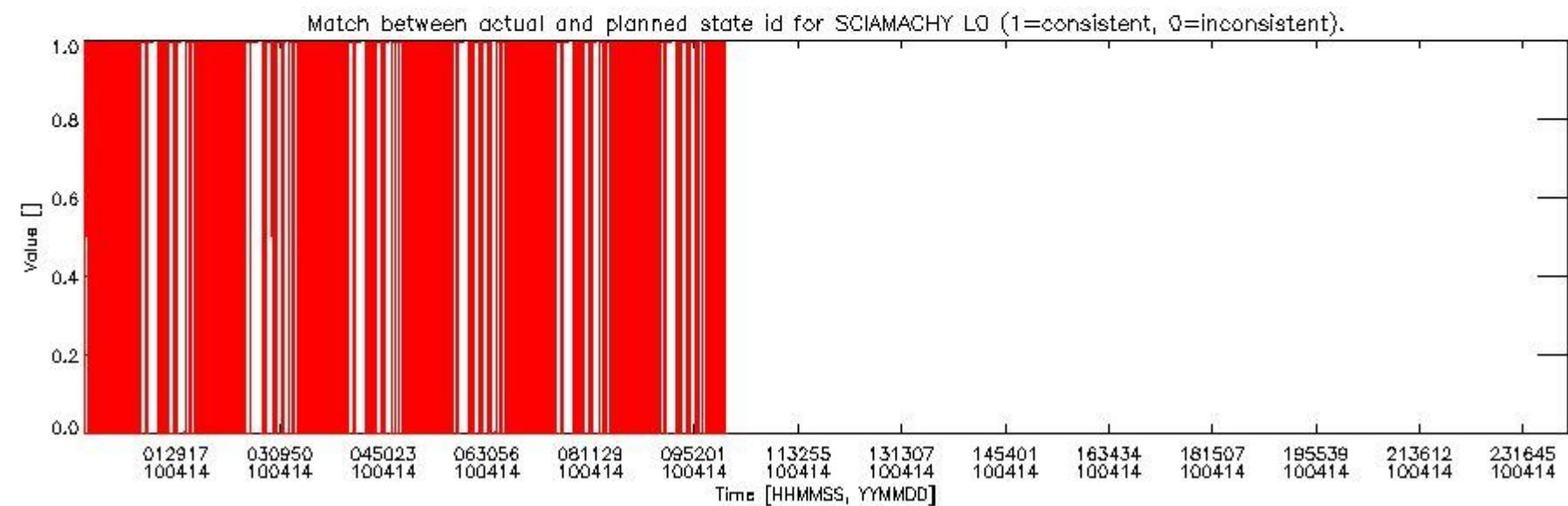
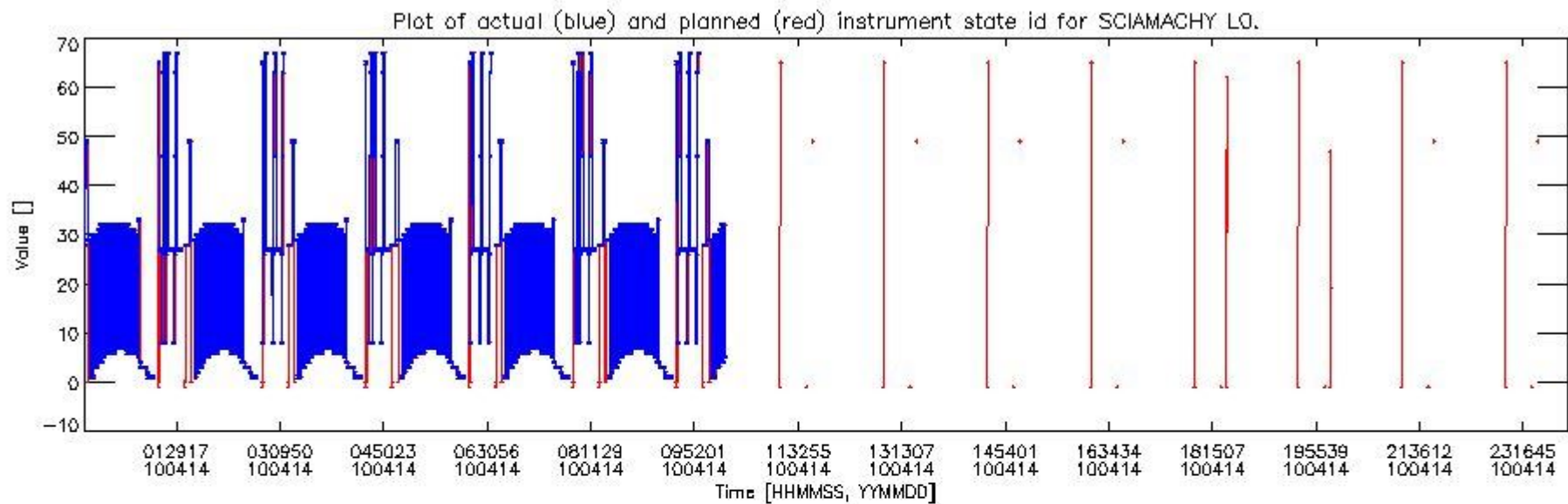


0.3 State monitoring

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: **32649**

#	Actual time	Actual value	Planned time	Planned value
0	14APR2010 00:00:17.398029	49	14APR2010 00:00:17.398029	28
1	14APR2010 00:00:17.585529	49	14APR2010 00:00:17.585529	28
2	14APR2010 00:00:17.648029	49	14APR2010 00:00:17.648029	28
3	14APR2010 00:00:17.710529	49	14APR2010 00:00:17.710529	28
4	14APR2010 00:00:17.773029	49	14APR2010 00:00:17.773029	28
5	14APR2010 00:00:17.835529	49	14APR2010 00:00:17.835529	28
6	14APR2010 00:00:17.898029	49	14APR2010 00:00:17.898029	28
7	14APR2010 00:00:17.960529	49	14APR2010 00:00:17.960529	28
8	14APR2010 00:00:18.023029	49	14APR2010 00:00:18.023029	28
9	14APR2010 00:00:18.085529	49	14APR2010 00:00:18.085529	28
10	14APR2010 00:00:18.148029	49	14APR2010 00:00:18.148029	28
11	14APR2010 00:00:18.210529	49	14APR2010 00:00:18.210529	28
12	14APR2010 00:00:18.273029	49	14APR2010 00:00:18.273029	28
13	14APR2010 00:00:18.335529	49	14APR2010 00:00:18.335529	28
14	14APR2010 00:00:18.398029	49	14APR2010 00:00:18.398029	28
15	14APR2010 00:00:18.460529	49	14APR2010 00:00:18.460529	28
16	14APR2010 00:00:18.523029	49	14APR2010 00:00:18.523029	28
17	14APR2010 00:00:18.585529	49	14APR2010 00:00:18.585529	28
18	14APR2010 00:00:18.648029	49	14APR2010 00:00:18.648029	28
19	14APR2010 00:00:18.710529	49	14APR2010 00:00:18.710529	28

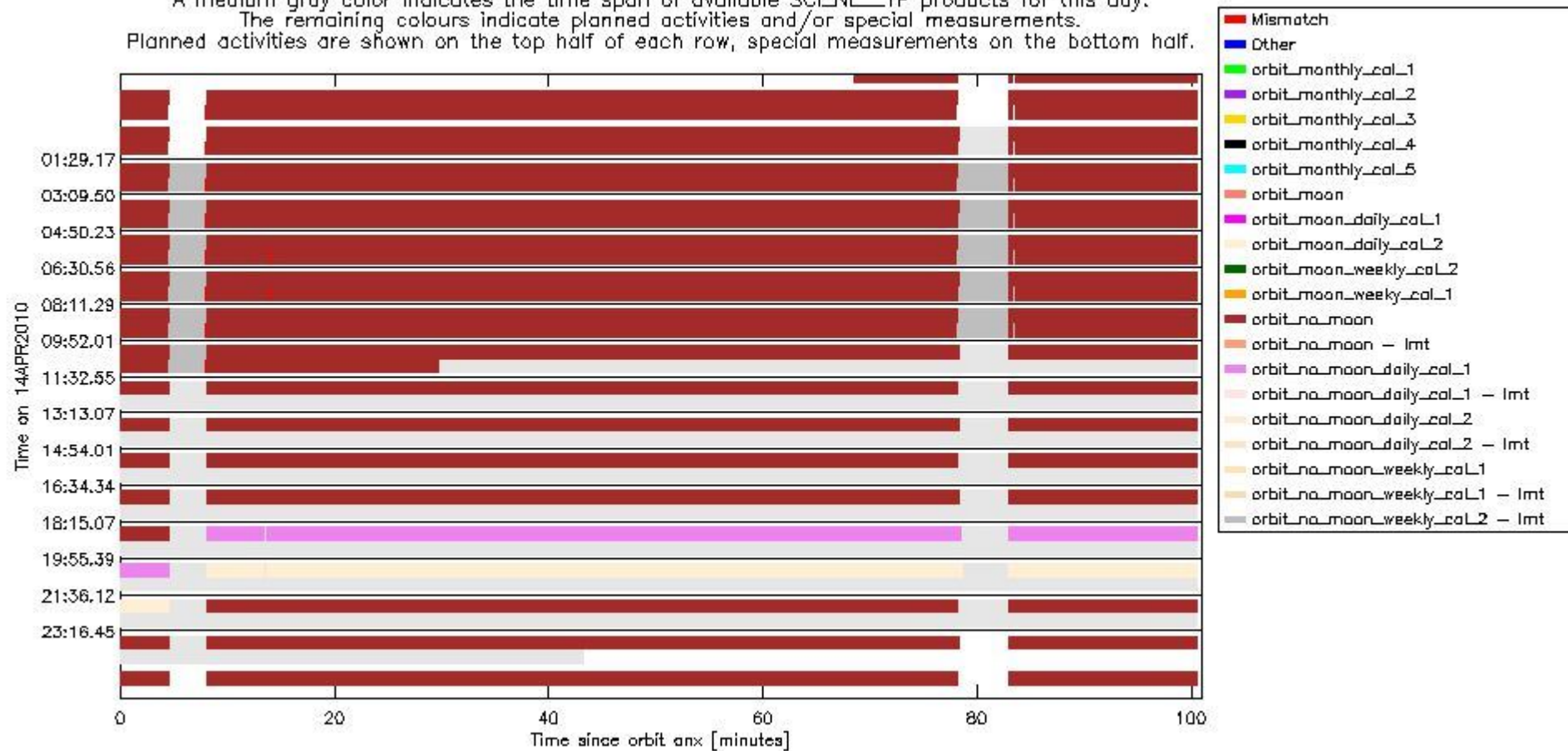


sciamachy_daily_report_level0_Any_version_20100414_5.PNG

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 14APR2010.
 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_20100414_6.PNG

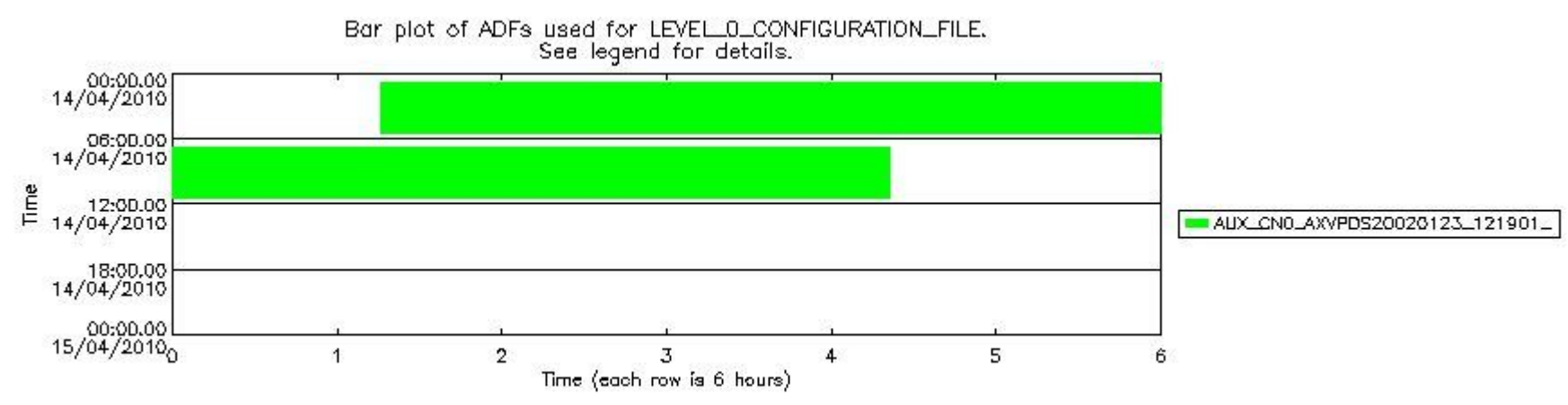
0.4 ADF monitoring

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

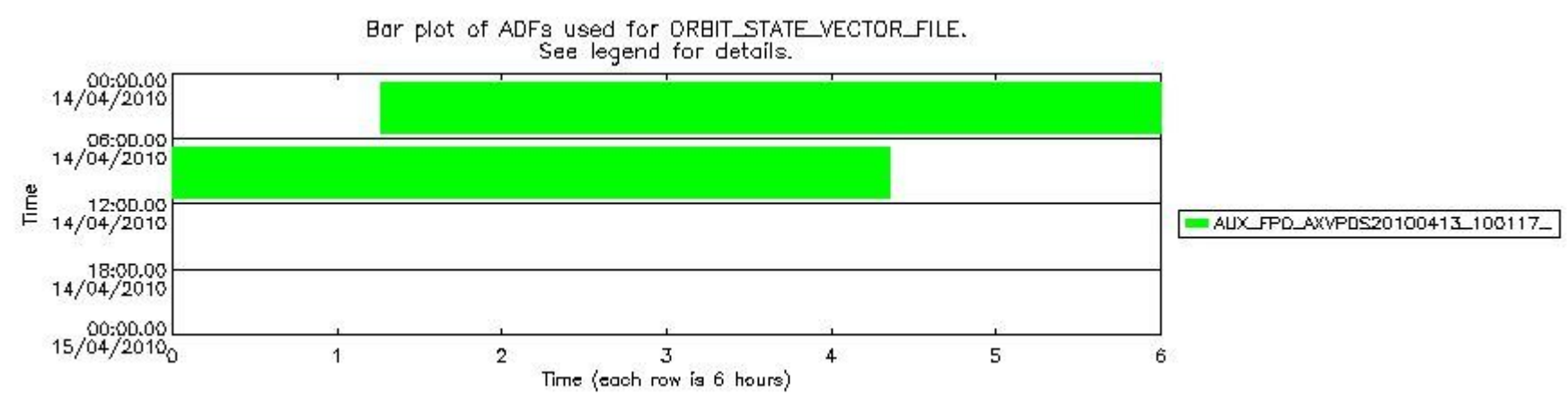
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

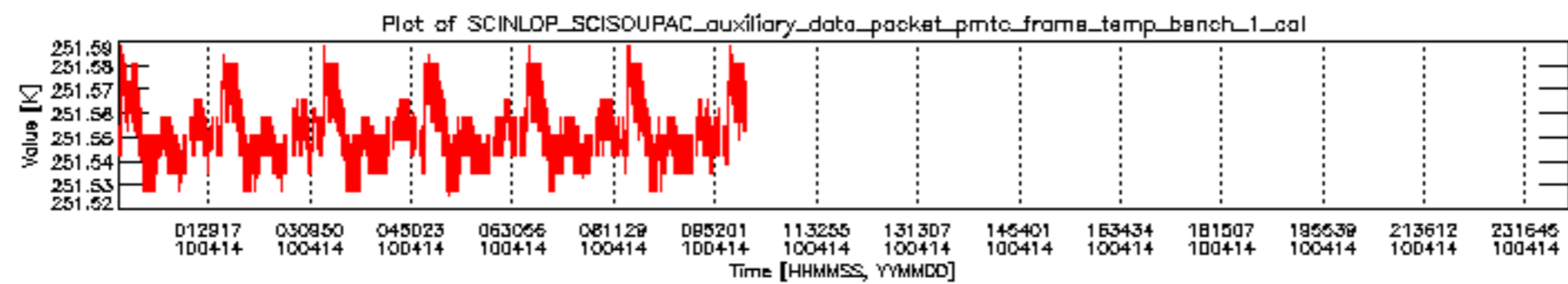
Number	ADF
	CNO (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100413_100117_20100412_191823_20100422_204434

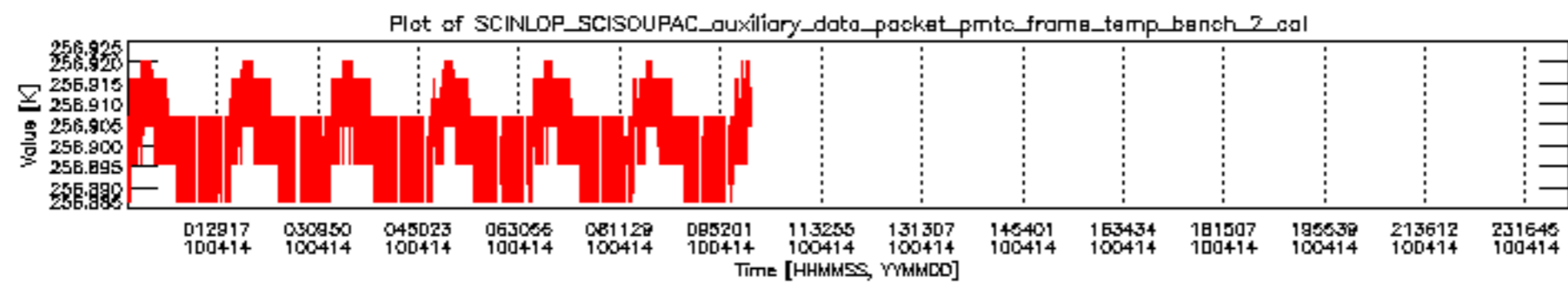


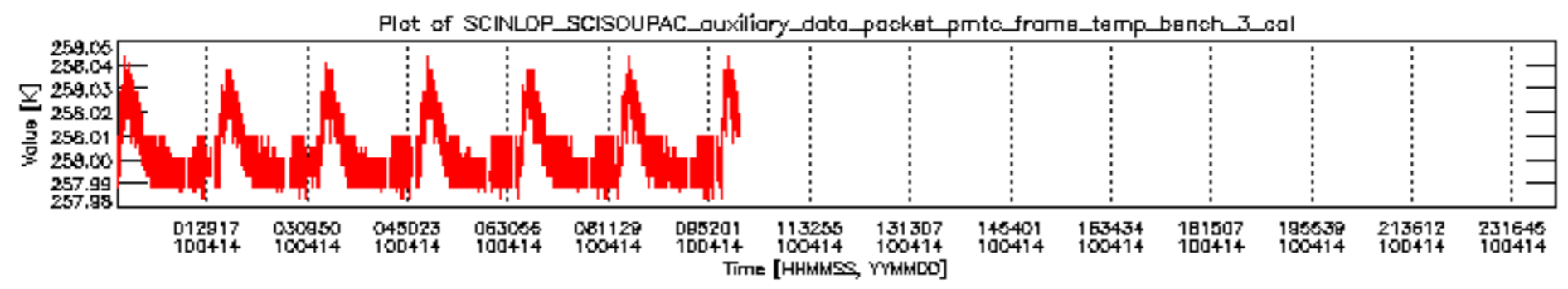
sciamachy_daily_report_level0_Any_version_20100414_7.PNG

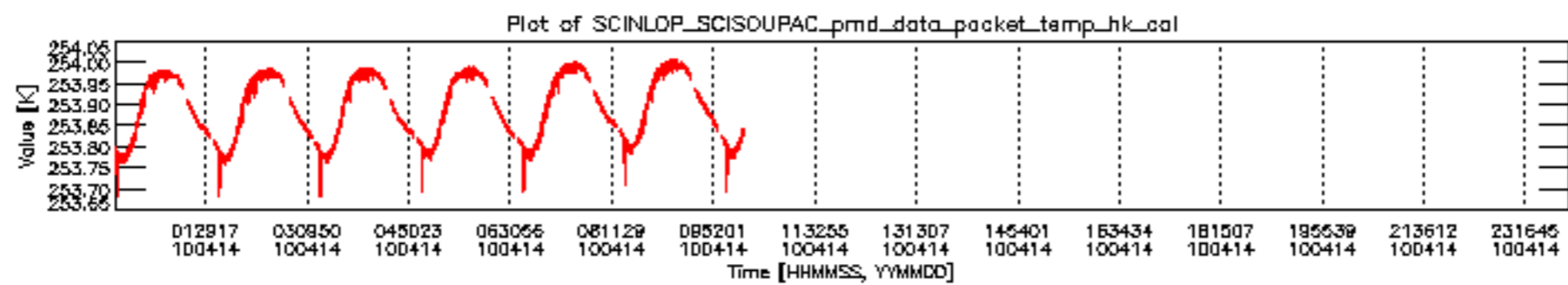


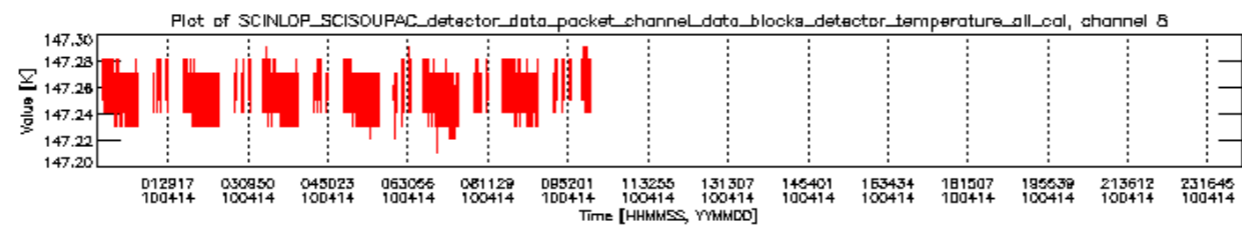
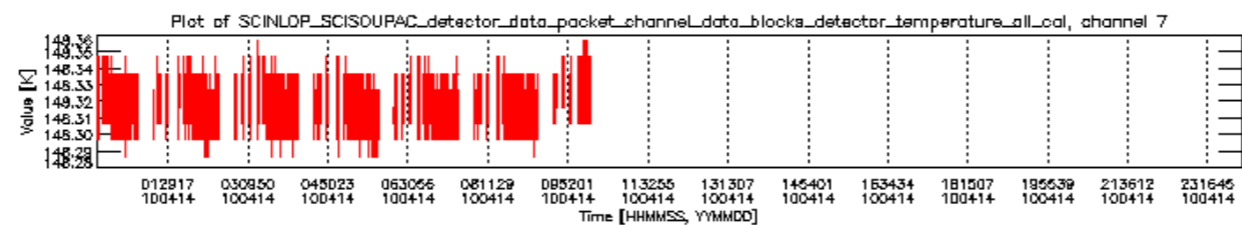
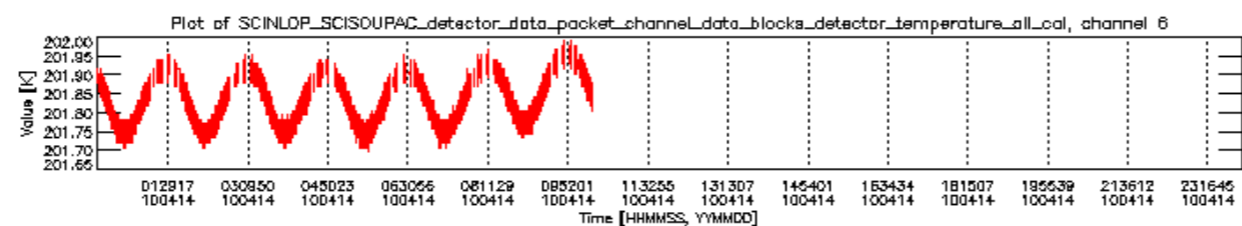
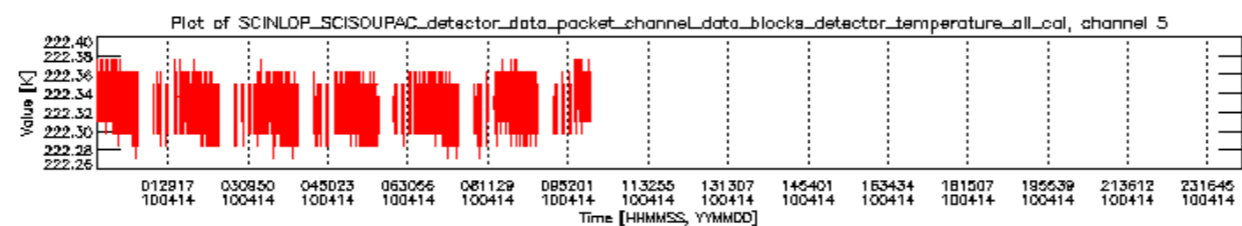
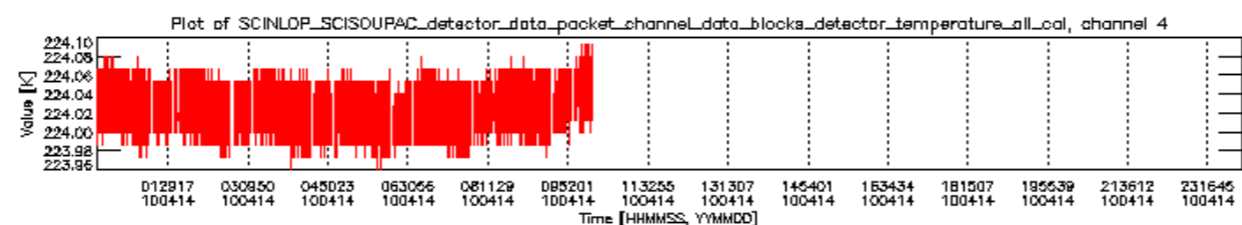
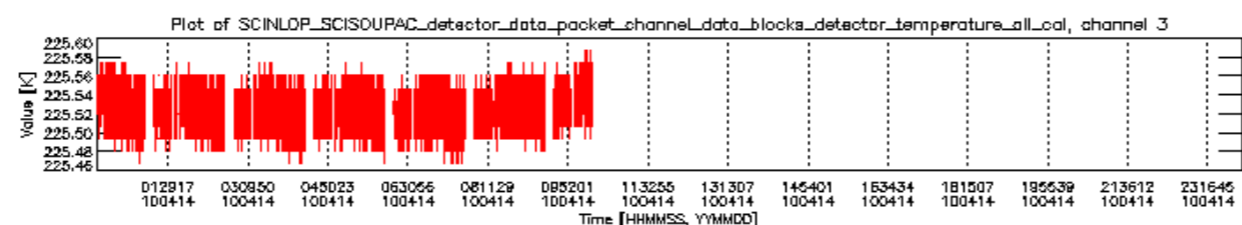
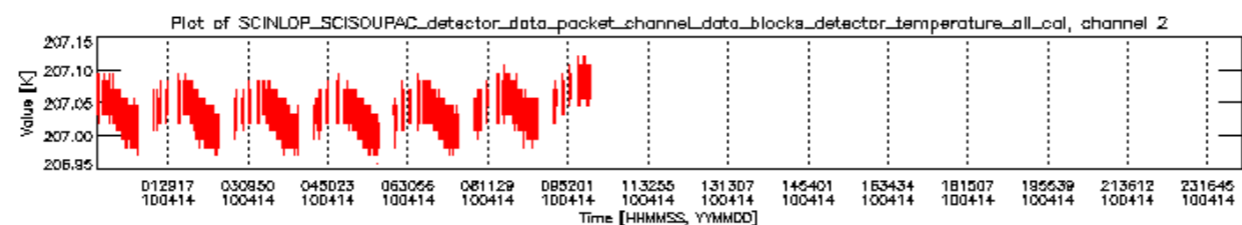
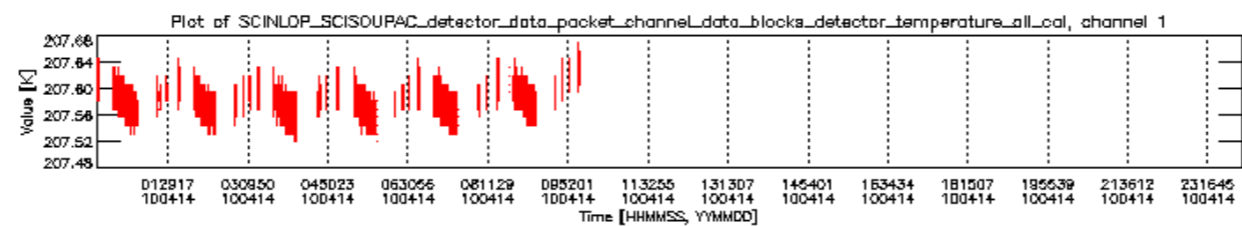
sciamachy_daily_report_level0_Any_version_20100414_8.PNG

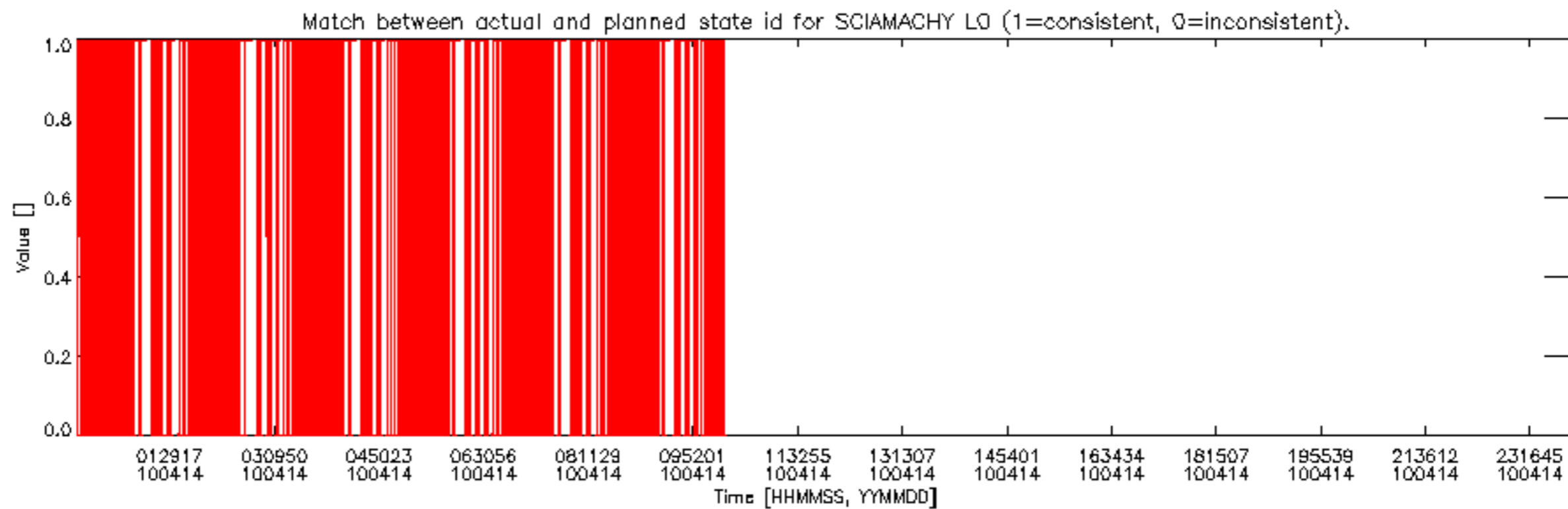
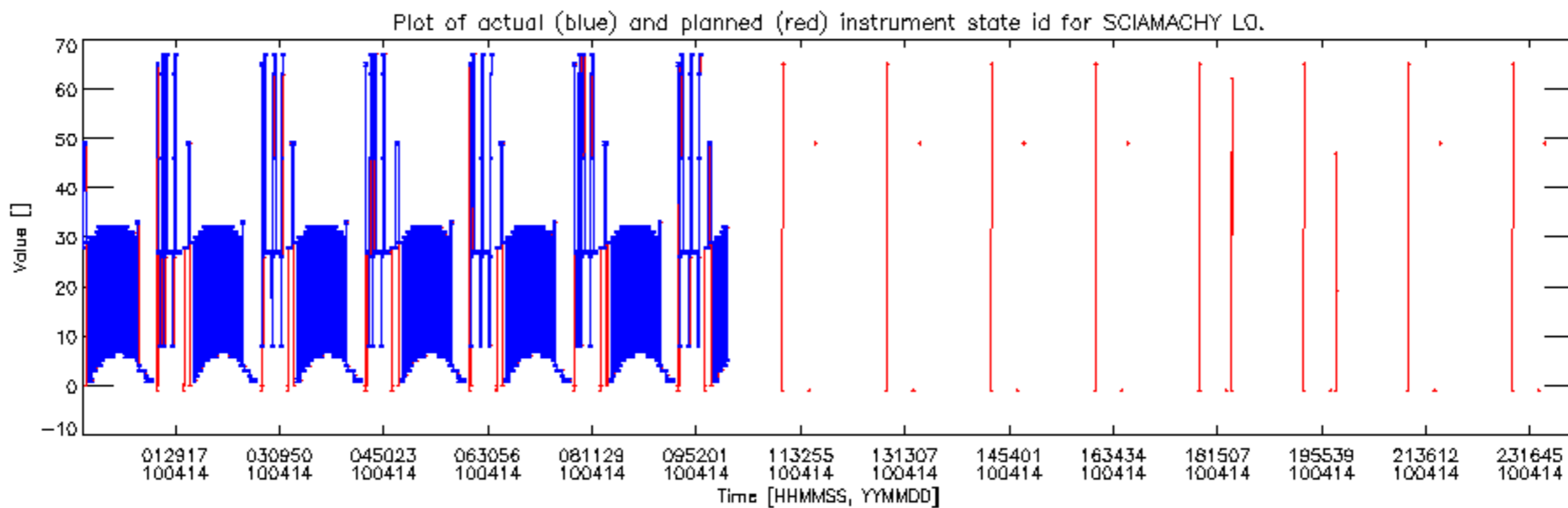












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 14APR2010.
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