

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	29APR2010 02:33:33
Data source version	<Any version>
Processing scope for products	22APR2010 00:00:00 to 23APR2010 00:00:00
Start time of first product within scope	22APR2010 00:23:49
Stop time of last product within scope	23APR2010 01:33:21
Total number of Level 0 products	16
Number of Level 0 products with errors	0

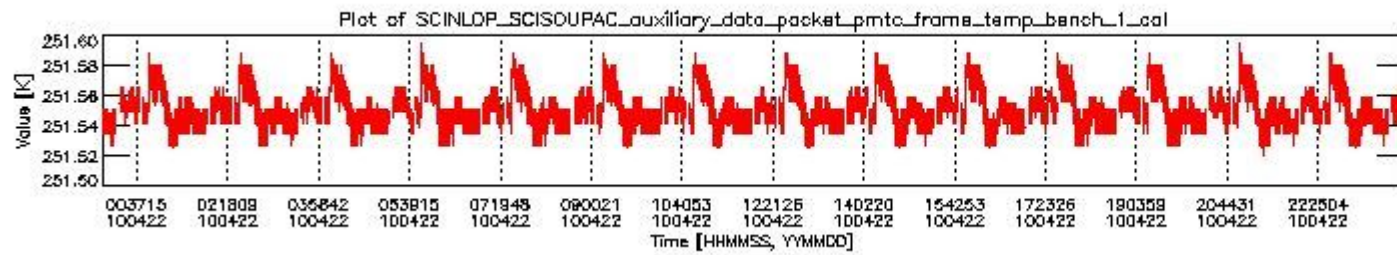
0.1.2 Summary per product

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

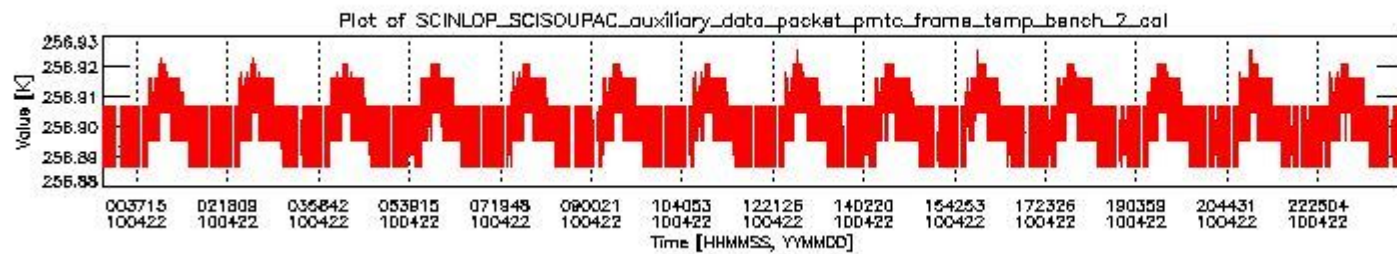
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100422_002349_000059872088_00431_42569_1312.N1	22APR2010 00:23:49	22APR2010 02:03:36	0	0	0	0	0
1	SCI_NL__OPNPDE20100422_020213_000045262088_00432_42570_1313.N1	22APR2010 02:02:13	22APR2010 03:17:39	0	0	0	0	0
2	SCI_NL__OPNPDE20100422_031739_000060912088_00433_42571_1314.N1	22APR2010 03:17:39	22APR2010 04:59:10	0	0	0	0	0
3	SCI_NL__OPNPDE20100422_045910_000061042088_00434_42572_1315.N1	22APR2010 04:59:10	22APR2010 06:40:55	0	0	0	0	0
4	SCI_NL__OPNPDK20100422_063959_000041012088_00435_42573_1191.N1	22APR2010 06:39:59	22APR2010 07:48:19	0	0	0	0	0
5	SCI_NL__OPNPDK20100422_074711_000061732088_00436_42574_1192.N1	22APR2010 07:47:11	22APR2010 09:30:04	0	0	0	0	0
6	SCI_NL__OPNPDK20100422_092855_000060352088_00437_42575_1193.N1	22APR2010 09:28:55	22APR2010 11:09:30	0	0	0	0	0
7	SCI_NL__OPNPDK20100422_110930_000059802088_00438_42576_1194.N1	22APR2010 11:09:30	22APR2010 12:49:10	0	0	0	0	0
8	SCI_NL__OPNPDK20100422_124802_000059672088_00439_42577_1195.N1	22APR2010 12:48:02	22APR2010 14:27:29	0	0	0	0	0
9	SCI_NL__OPNPDK20100422_142729_000057312088_00440_42578_1196.N1	22APR2010 14:27:29	22APR2010 16:02:59	0	0	0	0	0
10	SCI_NL__OPNPDK20100422_160204_000058612088_00441_42579_1197.N1	22APR2010 16:02:04	22APR2010 17:39:44	0	0	0	0	0
11	SCI_NL__OPNPDK20100422_173752_000062162088_00442_42580_1198.N1	22APR2010 17:37:52	22APR2010 19:21:28	0	0	0	0	0
12	SCI_NL__OPNPDK20100422_191924_000060732088_00443_42581_1199.N1	22APR2010 19:19:24	22APR2010 21:00:37	0	0	0	0	0
13	SCI_NL__OPNPDE20100422_205942_000043922088_00444_42582_1316.N1	22APR2010 20:59:42	22APR2010 22:12:54	0	0	0	0	0
14	SCI_NL__OPNPDE20100422_221126_000061672088_00444_42582_1317.N1	22APR2010 22:11:26	22APR2010 23:54:13	0	0	0	0	0
15	SCI_NL__OPNPDE20100422_235329_000059912088_00445_42583_1318.N1	22APR2010 23:53:29	23APR2010 01:33:21	0	0	0	0	0

0.2 Product Quality Indicators

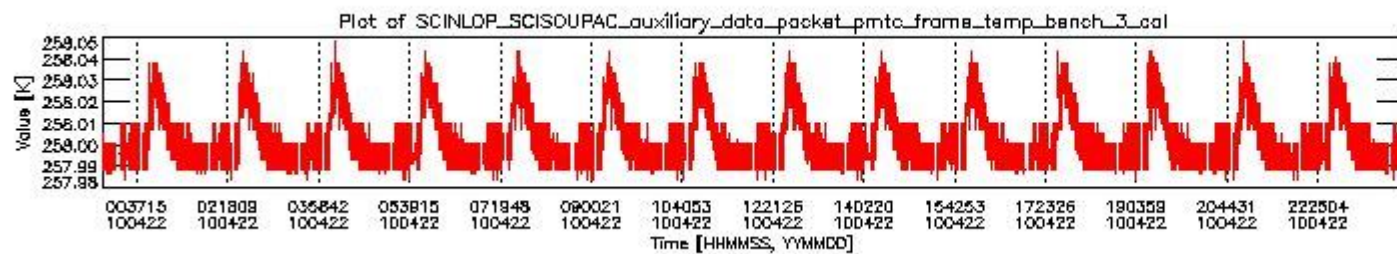
This section shows information about product quality, currently temperatures.



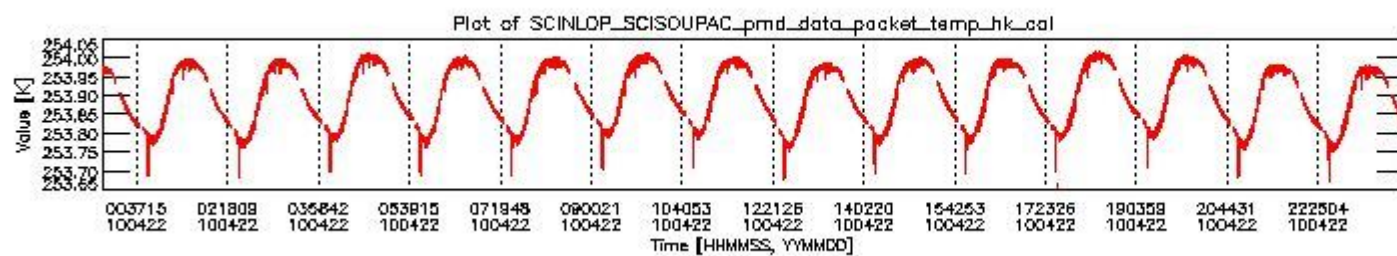
sciamachy_daily_report_level0_Any_version_20100422_0.PNG



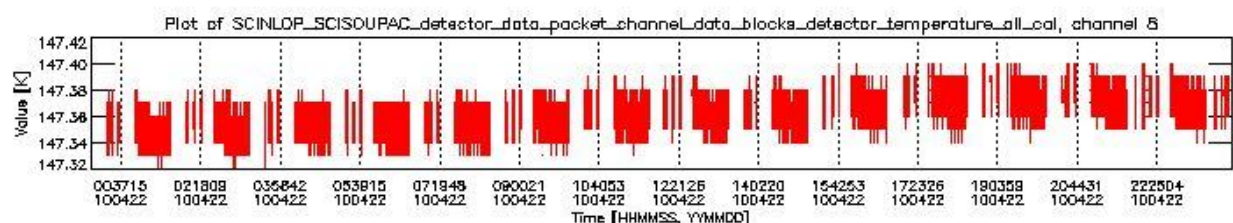
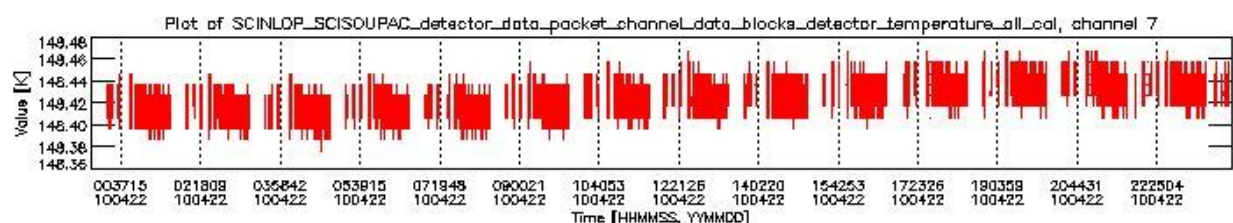
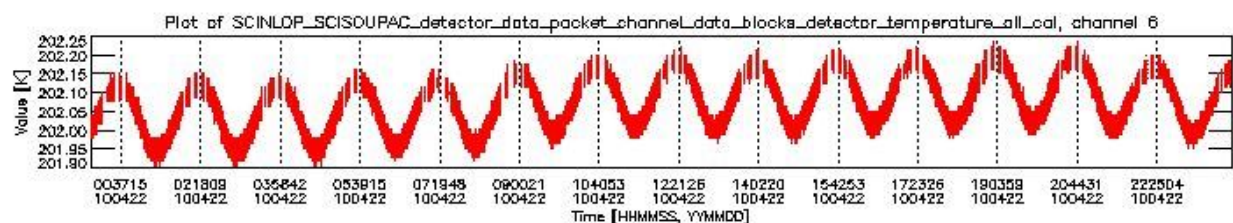
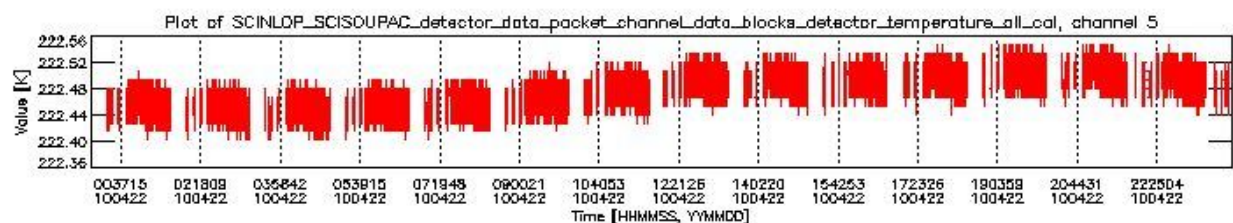
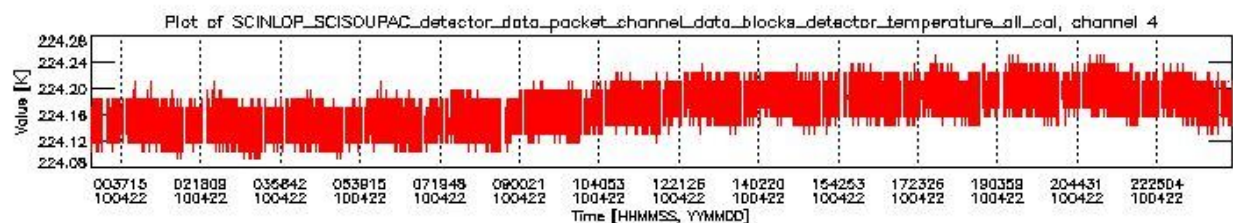
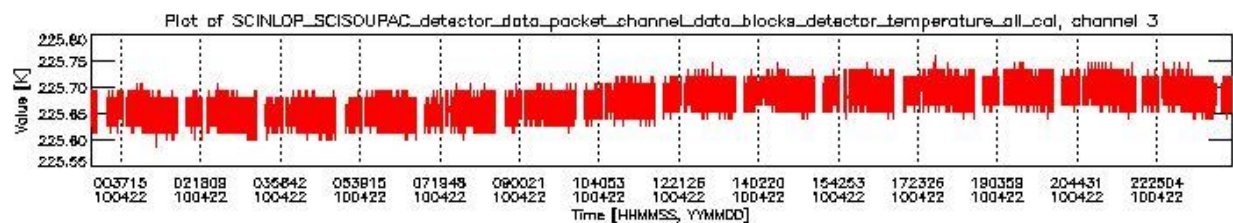
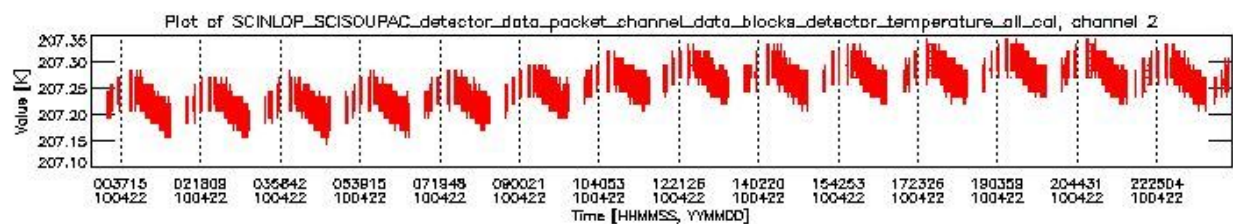
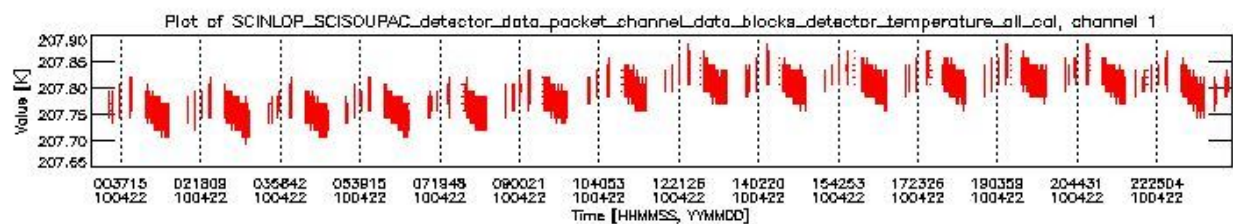
sciamachy_daily_report_level0_Any_version_20100422_1.PNG



sciamachy_daily_report_level0_Any_version_20100422_2.PNG



sciamachy_daily_report_level0_Any_version_20100422_3.PNG

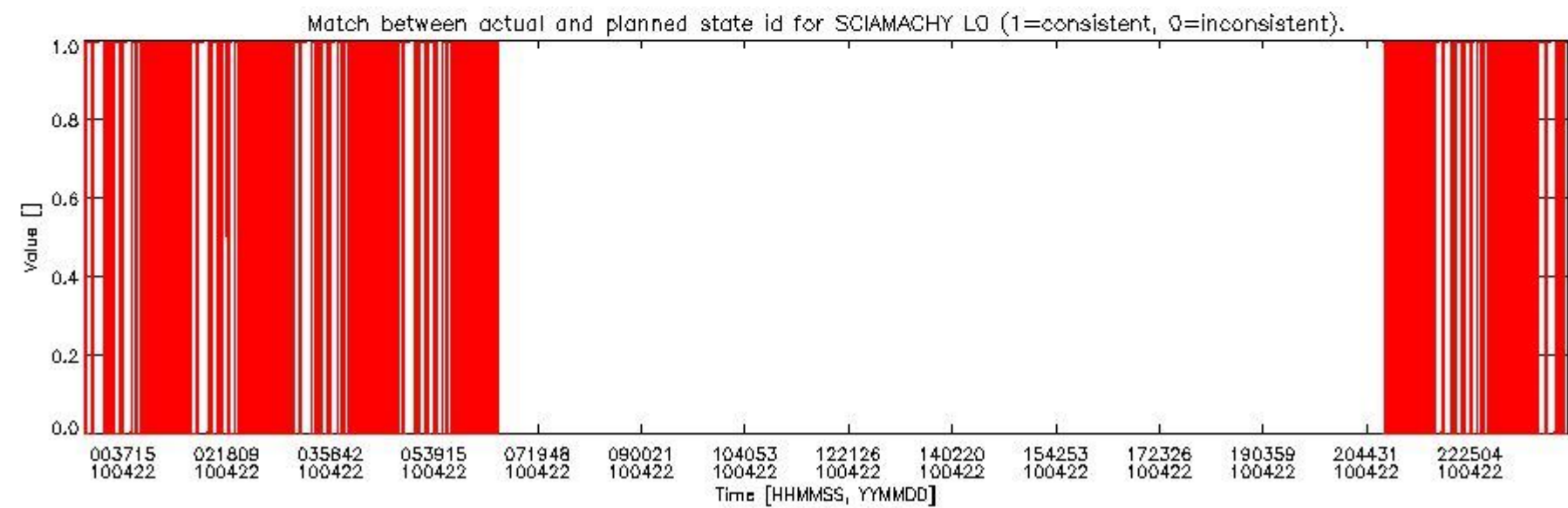
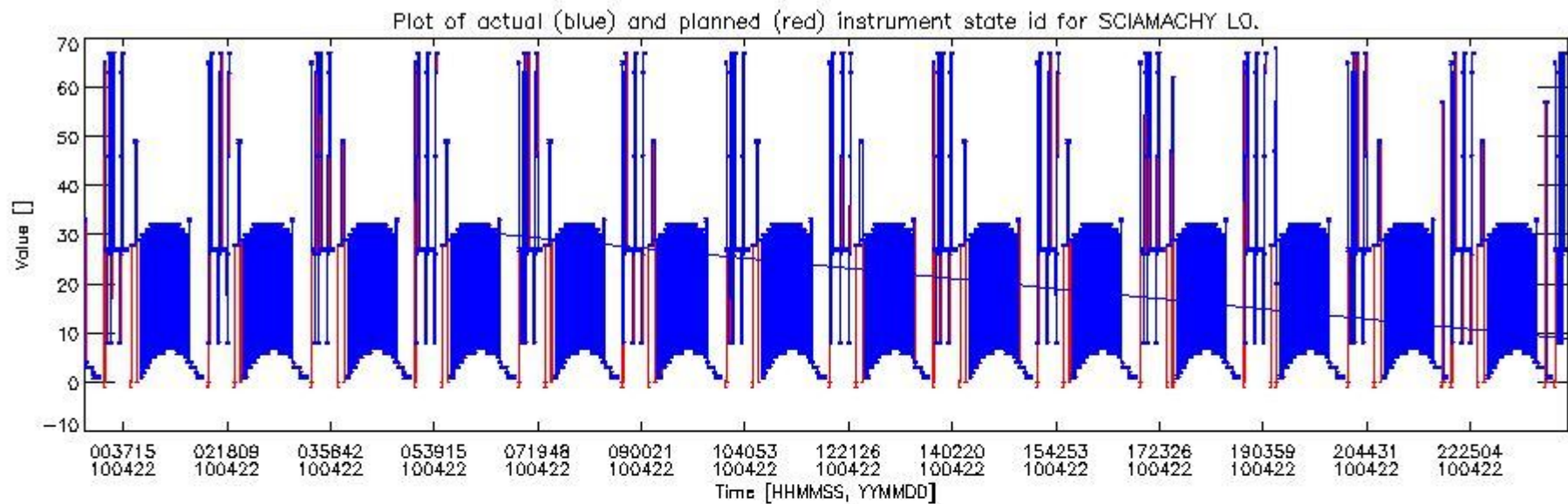


0.3 State monitoring

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: **39324**

#	Actual time	Actual value	Planned time	Planned value
0	22APR2010 00:00:00.288901	33	22APR2010 00:00:00.288901	5
1	22APR2010 00:00:37.347501	4	22APR2010 00:00:37.347501	33
2	22APR2010 00:00:37.597501	4	22APR2010 00:00:37.597501	33
3	22APR2010 00:00:37.722501	4	22APR2010 00:00:37.722501	33
4	22APR2010 00:00:37.847501	4	22APR2010 00:00:37.847501	33
5	22APR2010 00:00:37.972501	4	22APR2010 00:00:37.972501	33
6	22APR2010 00:00:38.097501	4	22APR2010 00:00:38.097501	33
7	22APR2010 00:00:38.222501	4	22APR2010 00:00:38.222501	33
8	22APR2010 00:00:38.347501	4	22APR2010 00:00:38.347501	33
9	22APR2010 00:00:38.472501	4	22APR2010 00:00:38.472501	33
10	22APR2010 00:00:38.597501	4	22APR2010 00:00:38.597501	33
11	22APR2010 00:00:38.722501	4	22APR2010 00:00:38.722501	33
12	22APR2010 00:00:38.847501	4	22APR2010 00:00:38.847501	33
13	22APR2010 00:00:38.972501	4	22APR2010 00:00:38.972501	33
14	22APR2010 00:00:39.097501	4	22APR2010 00:00:39.097501	33
15	22APR2010 00:00:39.222501	4	22APR2010 00:00:39.222501	33
16	22APR2010 00:00:39.347501	4	22APR2010 00:00:39.347501	33
17	22APR2010 00:00:39.472501	4	22APR2010 00:00:39.472501	33
18	22APR2010 00:00:39.597501	4	22APR2010 00:00:39.597501	33
19	22APR2010 00:00:39.722501	4	22APR2010 00:00:39.722501	33

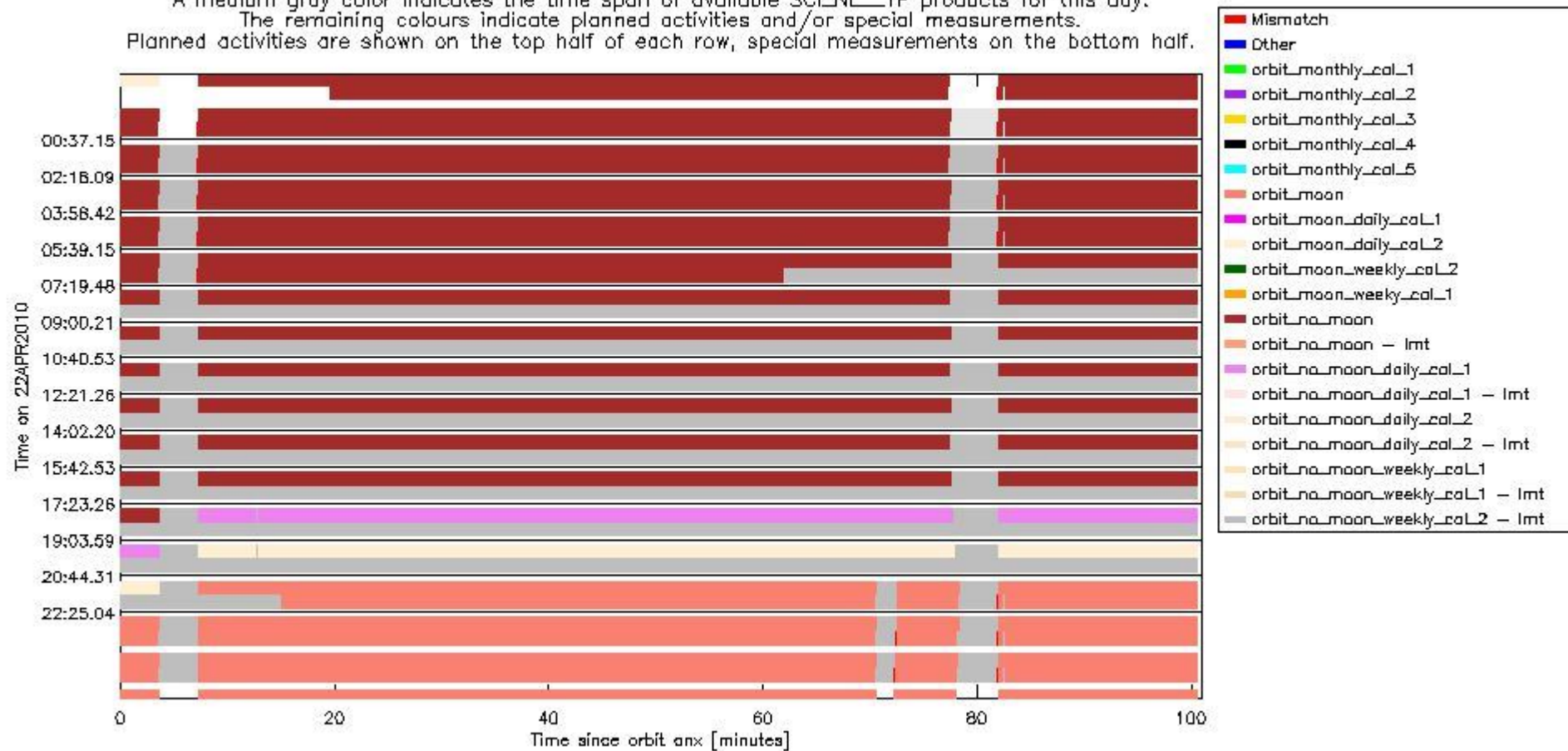


sciamachy_daily_report_level0_Any_version_20100422_5.PNG

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 22APR2010.
 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_20100422_6.PNG

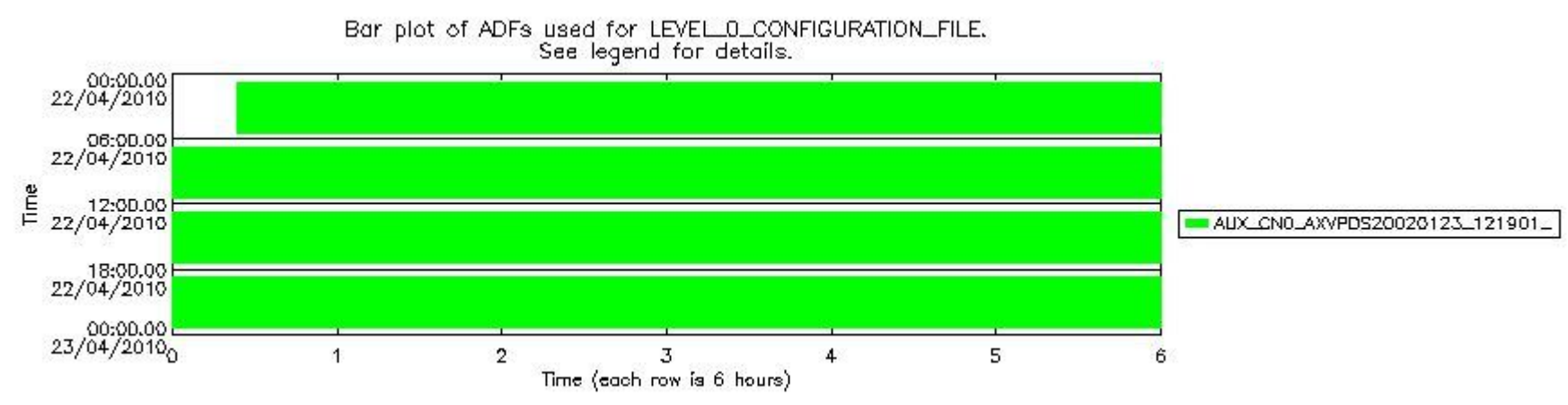
0.4 ADF monitoring

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

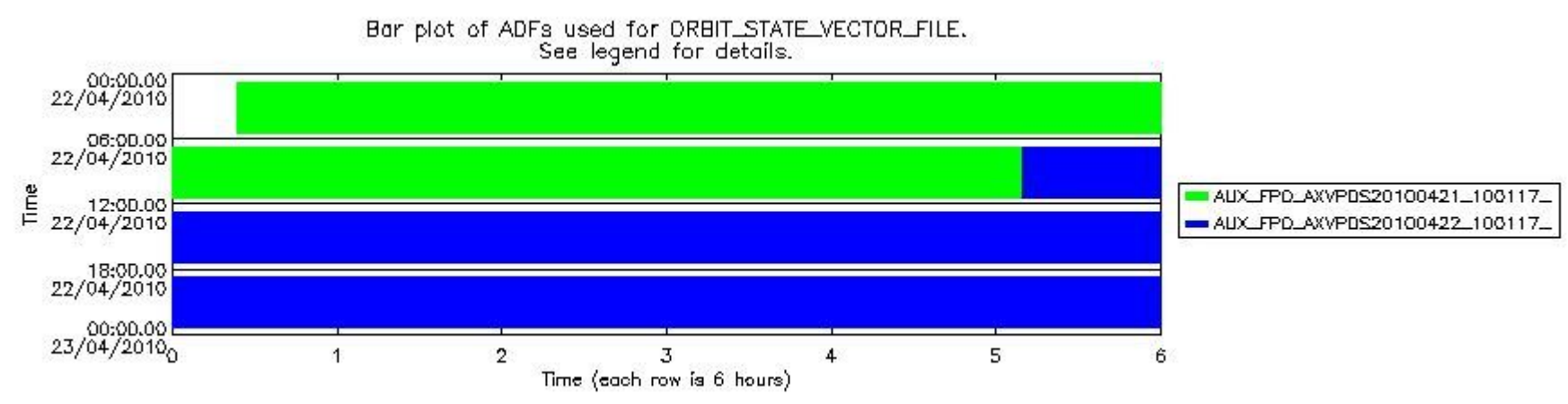
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

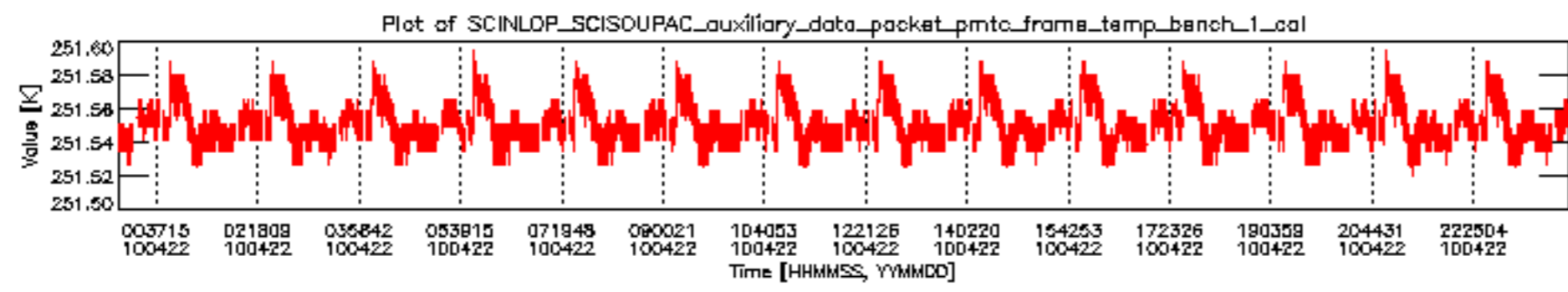
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100421_100117_20100420_182638_20100430_213326
2	AUX_FPO_AXVPDS20100422_100117_20100421_193536_20100501_210149

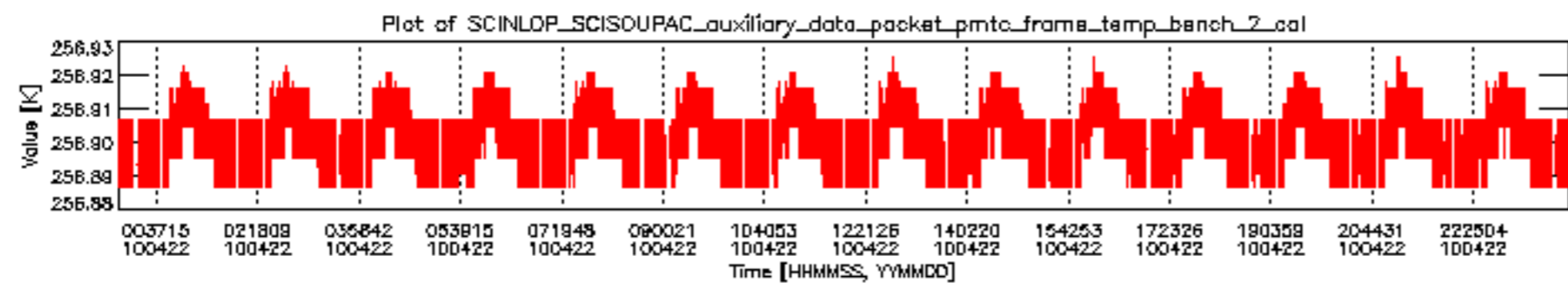


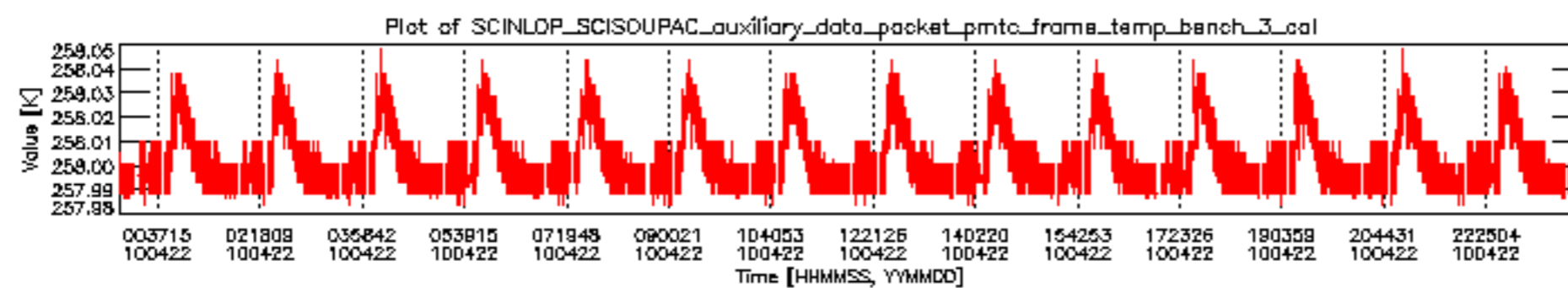
sciamachy_daily_report_level0_Any_version_20100422_7.PNG

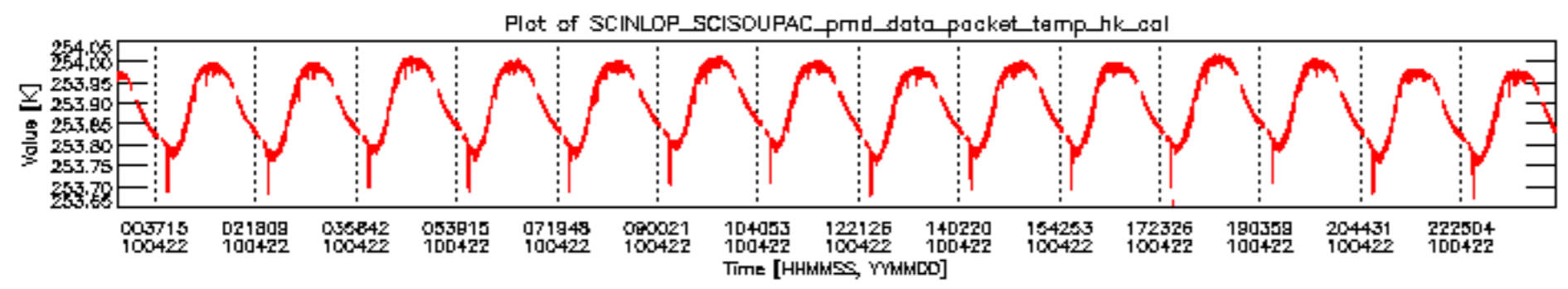


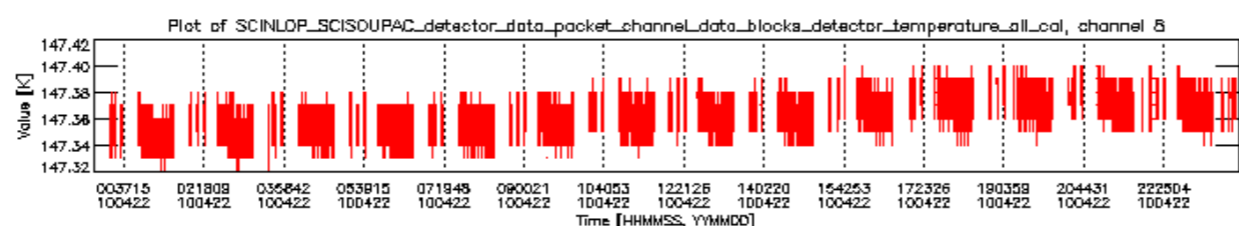
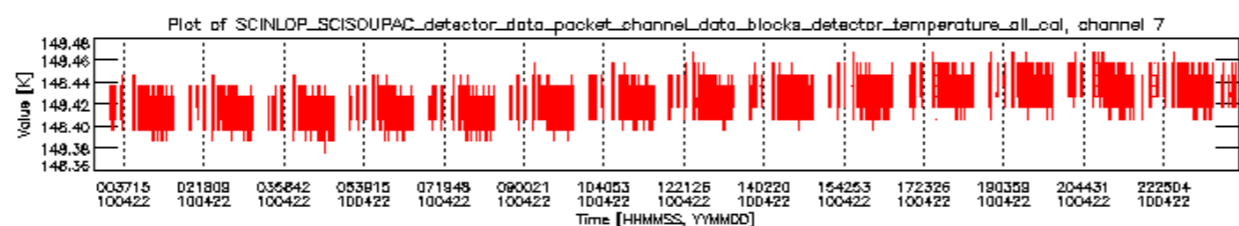
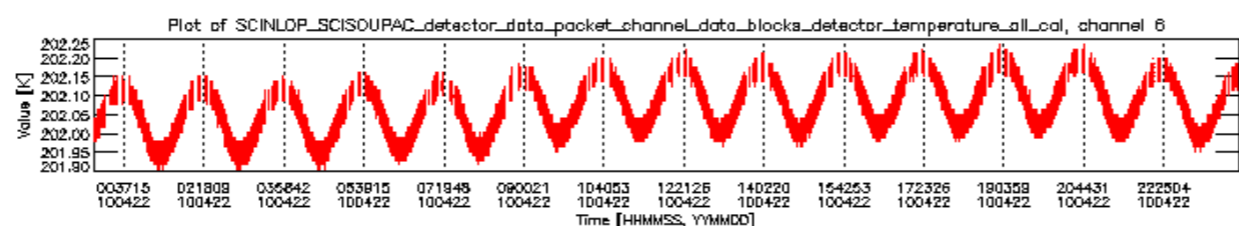
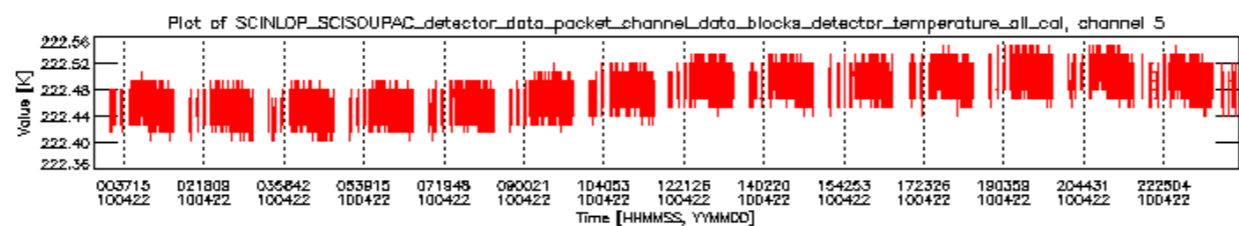
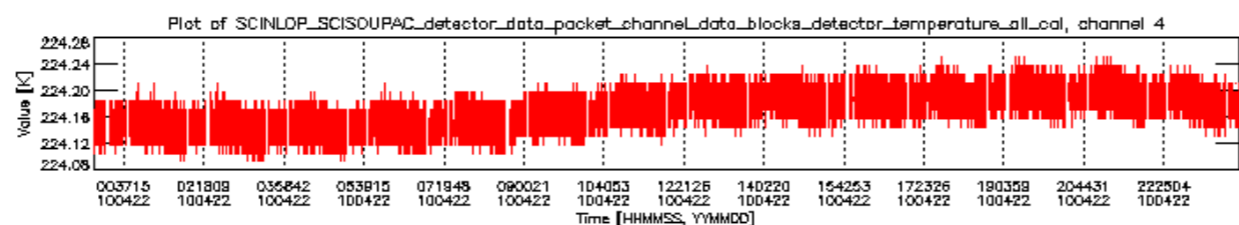
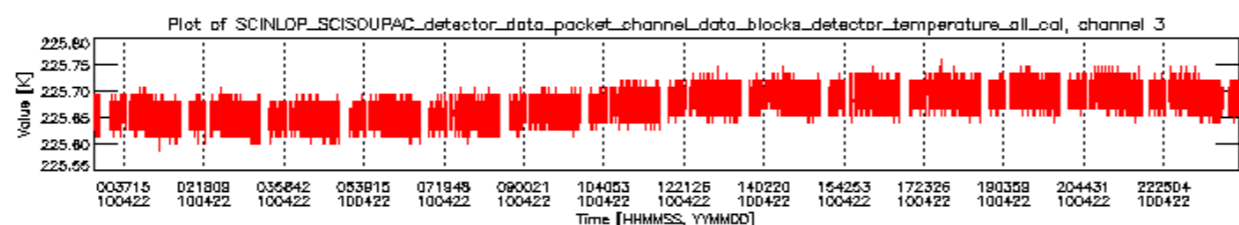
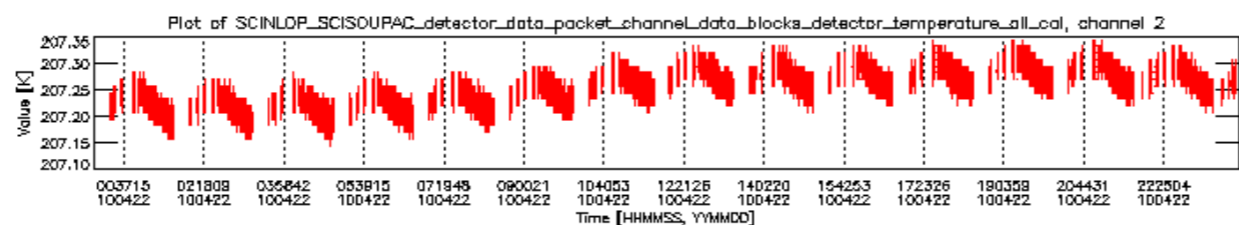
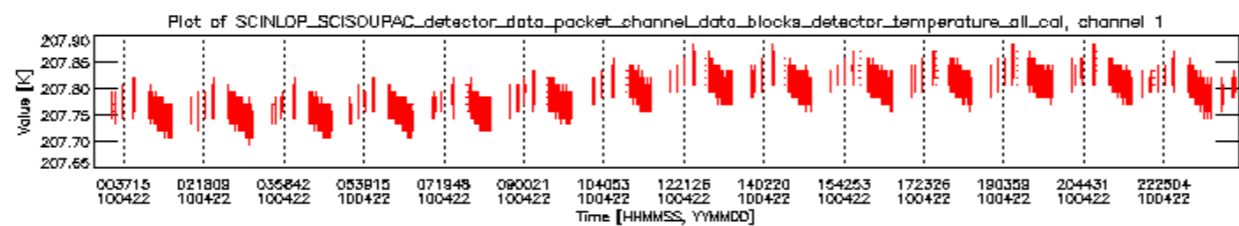
sciamachy_daily_report_level0_Any_version_20100422_8.PNG

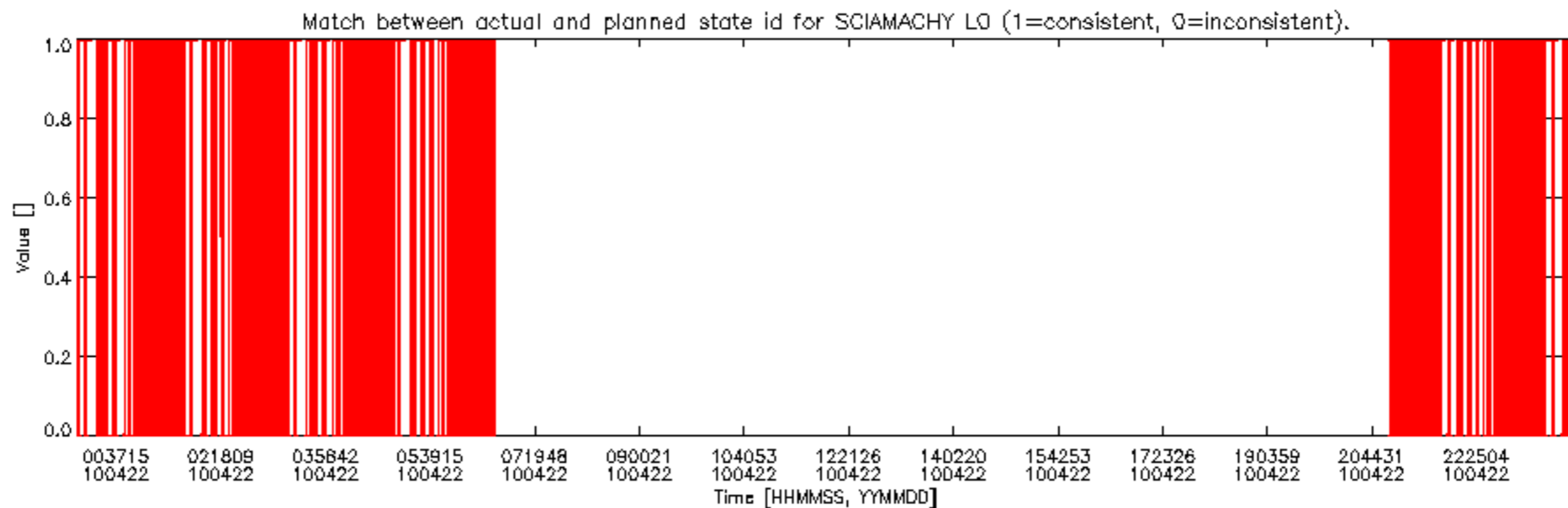
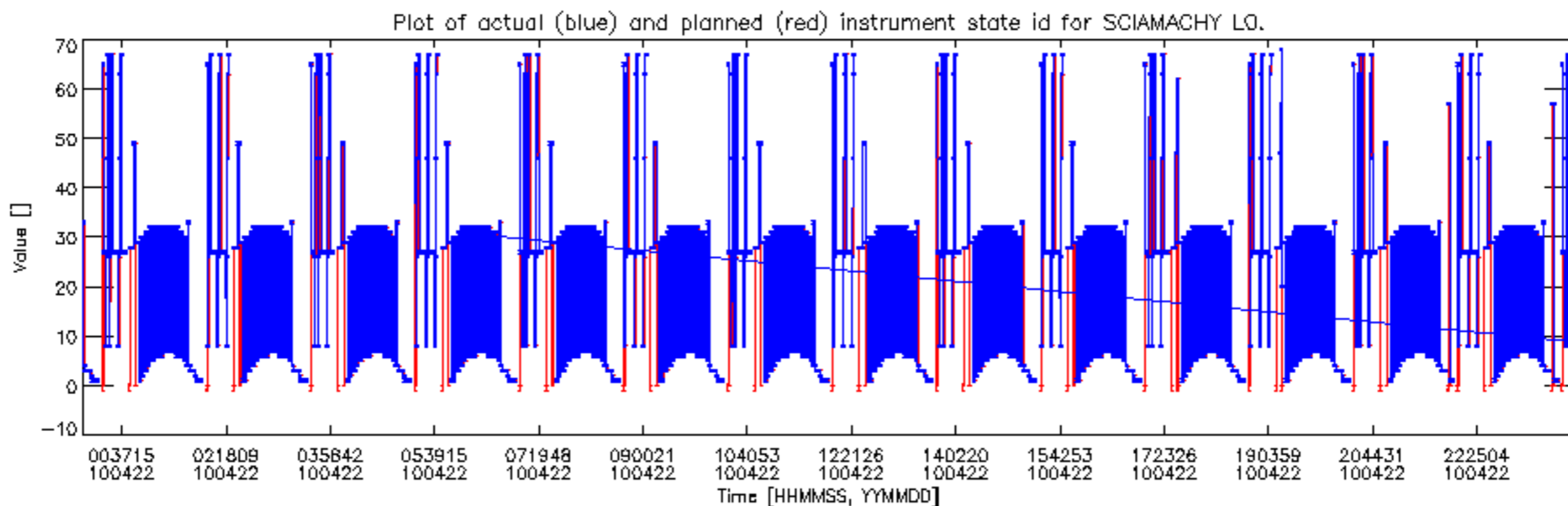












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 22APR2010.
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