

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	07APR2010 15:17:04
Data source version	<Any version>
Processing scope for products	22MAR2010 00:00:00 to 23MAR2010 00:00:00
Start time of first product within scope	22MAR2010 01:37:32
Stop time of last product within scope	23MAR2010 01:09:26
Total number of Level 0 products	16
Number of Level 0 products with errors	0

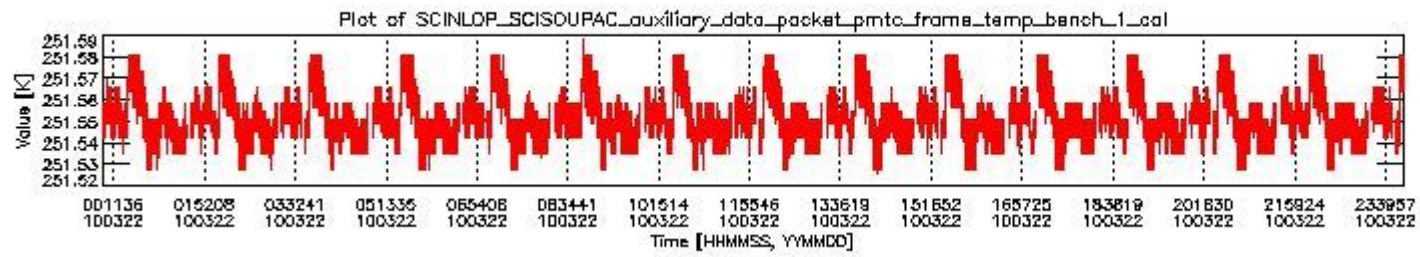
0.1.2 Summary per product

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

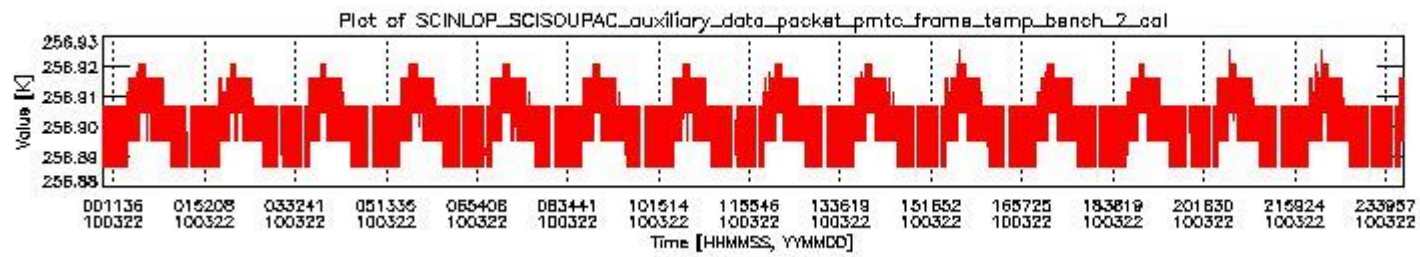
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100322_013732_000044452087_00489_42126_1124.N1	22MAR2010 01:37:32	22MAR2010 02:51:37	0	0	0	0	0
1	SCI_NL__OPNPDE20100322_025137_000061042087_00490_42127_1125.N1	22MAR2010 02:51:37	22MAR2010 04:33:21	0	0	0	0	0
2	SCI_NL__OPNPDE20100322_043321_000060912087_00491_42128_1126.N1	22MAR2010 04:33:21	22MAR2010 06:14:52	0	0	0	0	0
3	SCI_NL__OPNPDK20100322_061356_000041692087_00492_42129_4401.N1	22MAR2010 06:13:56	22MAR2010 07:23:25	0	0	0	0	0
4	SCI_NL__OPNPDK20100322_072230_000060912087_00493_42130_4402.N1	22MAR2010 07:22:30	22MAR2010 09:04:01	0	0	0	0	0
5	SCI_NL__OPNPDK20100322_090252_000059802087_00494_42131_4403.N1	22MAR2010 09:02:52	22MAR2010 10:42:32	0	0	0	0	0
6	SCI_NL__OPNPDK20100322_104232_000060912087_00495_42132_4404.N1	22MAR2010 10:42:32	22MAR2010 12:24:03	0	0	0	0	0
7	SCI_NL__OPNPDK20100322_122307_000058552087_00496_42133_4405.N1	22MAR2010 12:23:07	22MAR2010 14:00:42	0	0	0	0	0
8	SCI_NL__OPNPDK20100322_135934_000059672087_00497_42134_4406.N1	22MAR2010 13:59:34	22MAR2010 15:39:01	0	0	0	0	0
9	SCI_NL__OPNPDK20100322_153805_000058582087_00498_42135_4407.N1	22MAR2010 15:38:05	22MAR2010 17:15:43	0	0	0	0	0
10	SCI_NL__OPNPDK20100322_171447_000060012087_00499_42136_4408.N1	22MAR2010 17:14:47	22MAR2010 18:54:48	0	0	0	0	0
11	SCI_NL__OPNPDK20100322_185407_000060522087_00500_42137_4409.N1	22MAR2010 18:54:07	22MAR2010 20:35:00	0	0	0	0	0
12	SCI_NL__OPNPDE20100322_203242_000044472087_00501_42138_1127.N1	22MAR2010 20:32:42	22MAR2010 21:46:48	0	0	0	0	0
13	SCI_NL__OPNPDK20100322_214520_000016772087_00501_42138_4410.N1	22MAR2010 21:45:20	22MAR2010 22:13:17	0	0	0	0	0
14	SCI_NL__OPNPDE20100322_221317_000044022088_00001_42139_1128.N1	22MAR2010 22:13:17	22MAR2010 23:26:39	0	0	0	0	0
15	SCI_NL__OPNPDE20100322_232555_000062112088_00001_42139_1129.N1	22MAR2010 23:25:55	23MAR2010 01:09:26	0	0	0	0	0

0.2 Product Quality Indicators

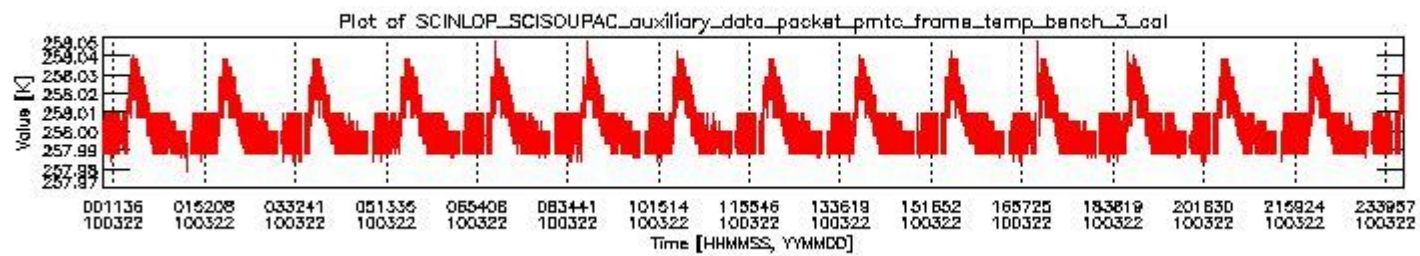
This section shows information about product quality, currently temperatures.



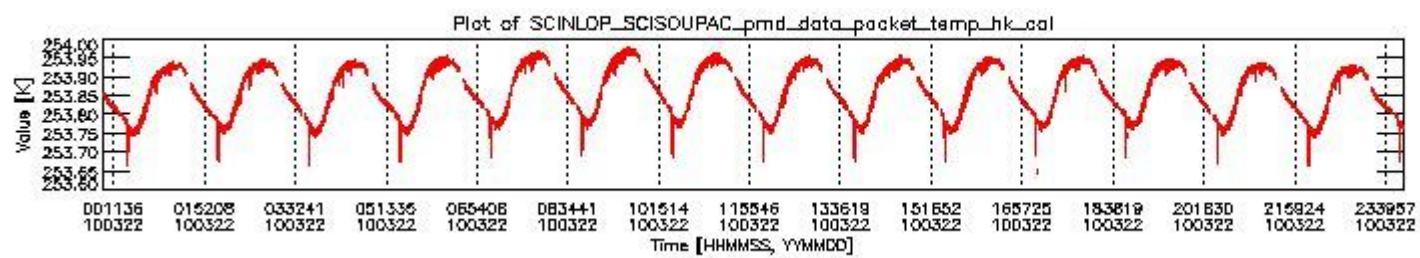
sciamachy_daily_report_level0_Any_version_20100322_0.PNG



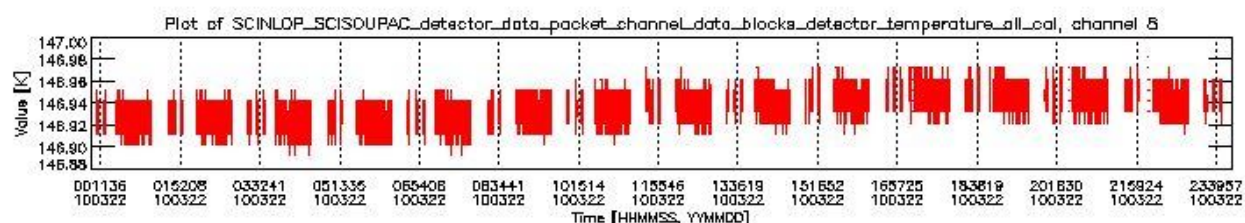
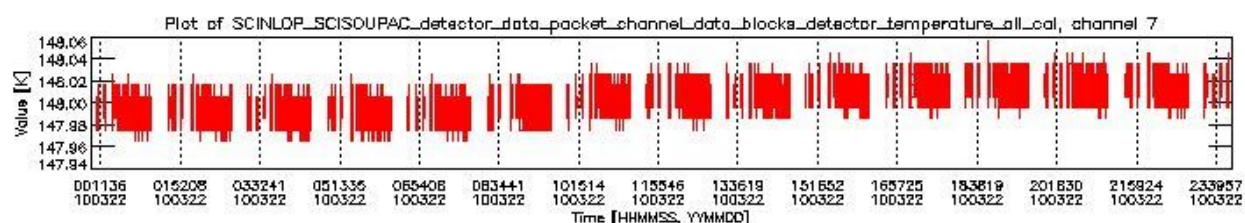
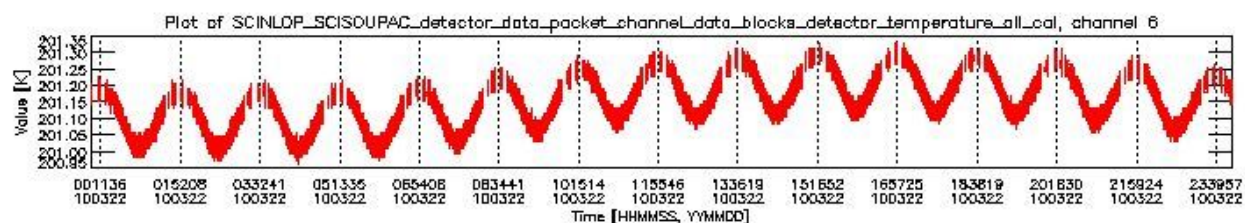
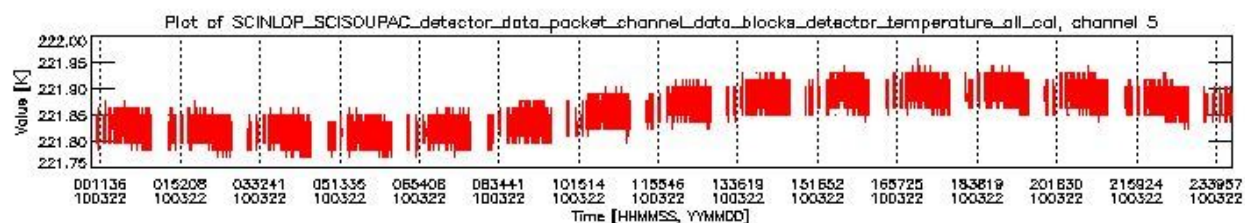
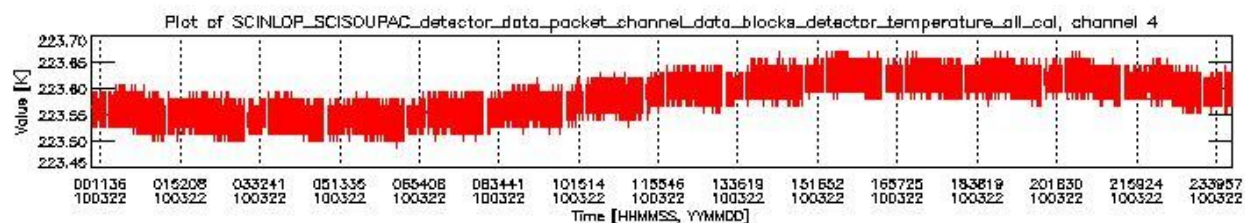
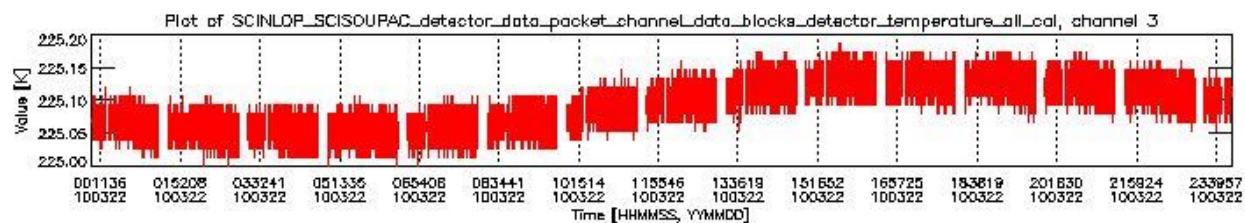
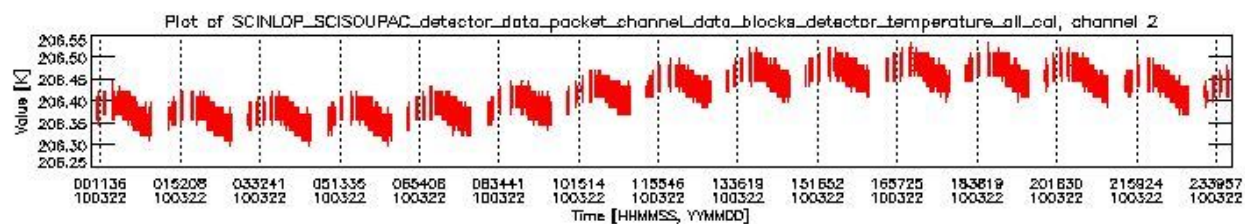
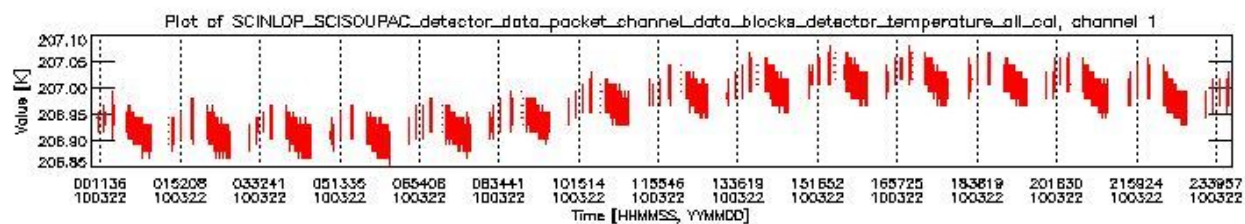
sciamachy_daily_report_level0_Any_version_20100322_1.PNG



sciamachy_daily_report_level0_Any_version_20100322_2.PNG



sciamachy_daily_report_level0_Any_version_20100322_3.PNG

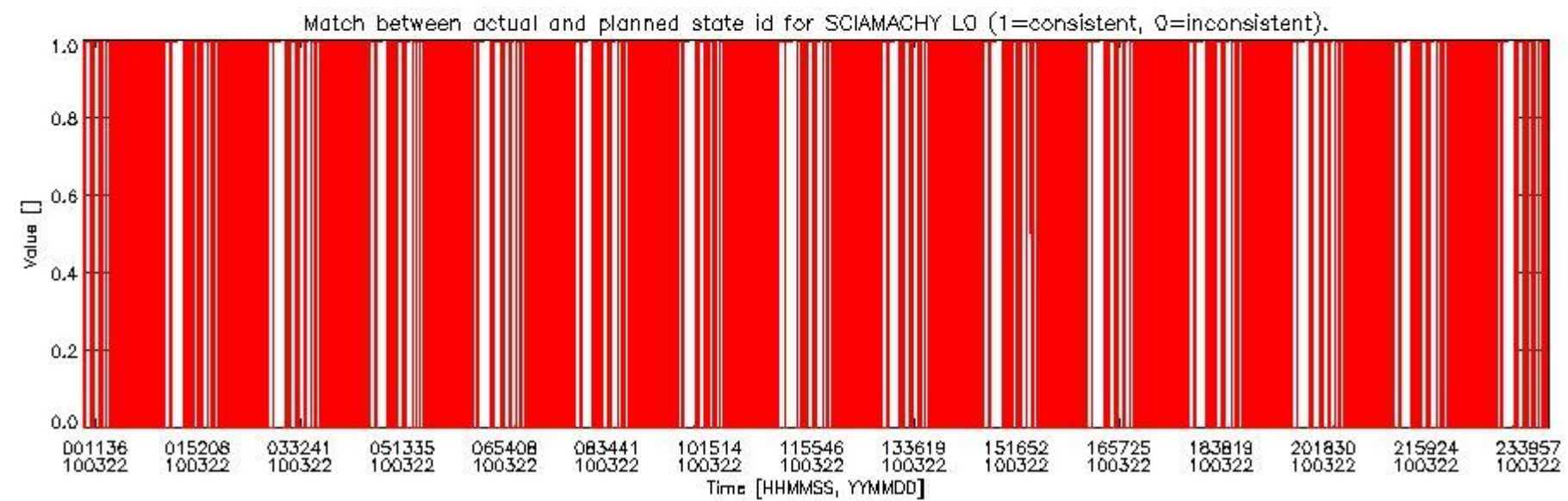
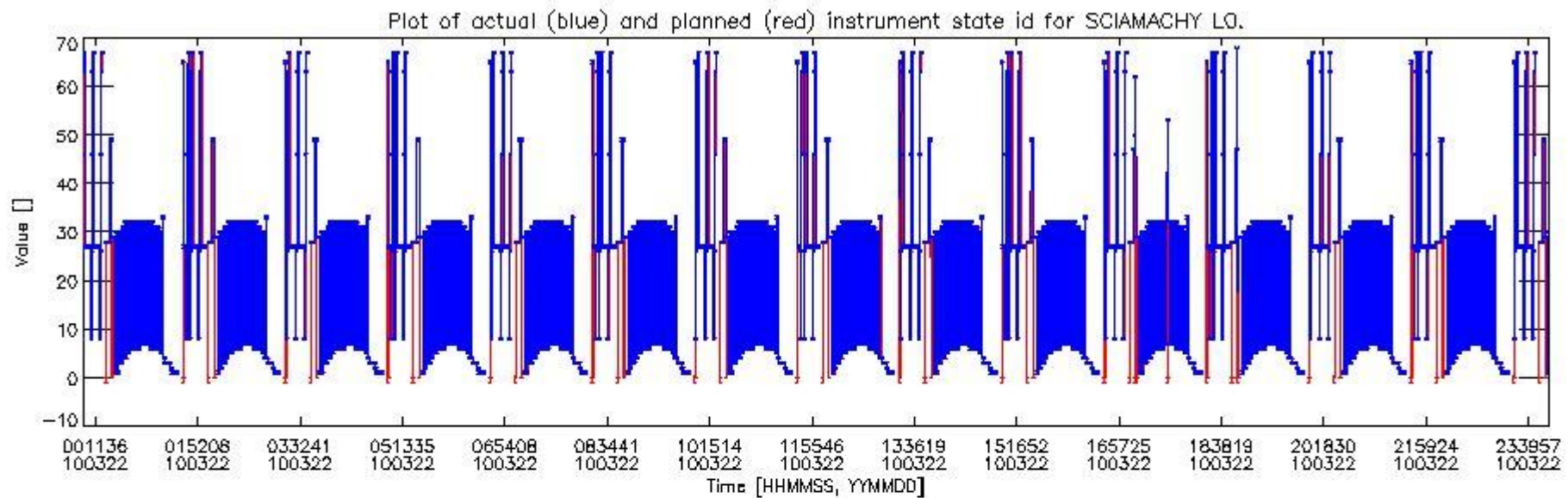


0.3 State monitoring

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: **73671**

#	Actual time	Actual value	Planned time	Planned value
0	22MAR2010 00:00:00.080199	67	22MAR2010 00:00:00.080199	63
1	22MAR2010 00:00:00.205199	67	22MAR2010 00:00:00.205199	63
2	22MAR2010 00:00:00.330199	67	22MAR2010 00:00:00.330199	63
3	22MAR2010 00:00:00.455199	67	22MAR2010 00:00:00.455199	63
4	22MAR2010 00:00:00.580199	67	22MAR2010 00:00:00.580199	63
5	22MAR2010 00:00:00.705199	67	22MAR2010 00:00:00.705199	63
6	22MAR2010 00:00:00.830199	67	22MAR2010 00:00:00.830199	63
7	22MAR2010 00:00:00.955199	67	22MAR2010 00:00:00.955199	63
8	22MAR2010 00:00:01.080199	67	22MAR2010 00:00:01.080199	63
9	22MAR2010 00:00:01.205199	67	22MAR2010 00:00:01.205199	63
10	22MAR2010 00:01:08.892709	27	22MAR2010 00:01:08.892709	67
11	22MAR2010 00:01:09.892709	27	22MAR2010 00:01:09.892709	67
12	22MAR2010 00:01:10.830209	27	22MAR2010 00:01:10.830209	67
13	22MAR2010 00:01:11.580209	27	22MAR2010 00:01:11.580209	67
14	22MAR2010 00:01:12.517709	27	22MAR2010 00:01:12.517709	67
15	22MAR2010 00:01:13.267709	27	22MAR2010 00:01:13.267709	67
16	22MAR2010 00:01:13.892709	27	22MAR2010 00:01:13.892709	67
17	22MAR2010 00:01:14.205209	27	22MAR2010 00:01:14.205209	67
18	22MAR2010 00:01:14.955209	27	22MAR2010 00:01:14.955209	67
19	22MAR2010 00:01:15.892709	27	22MAR2010 00:01:15.892709	67

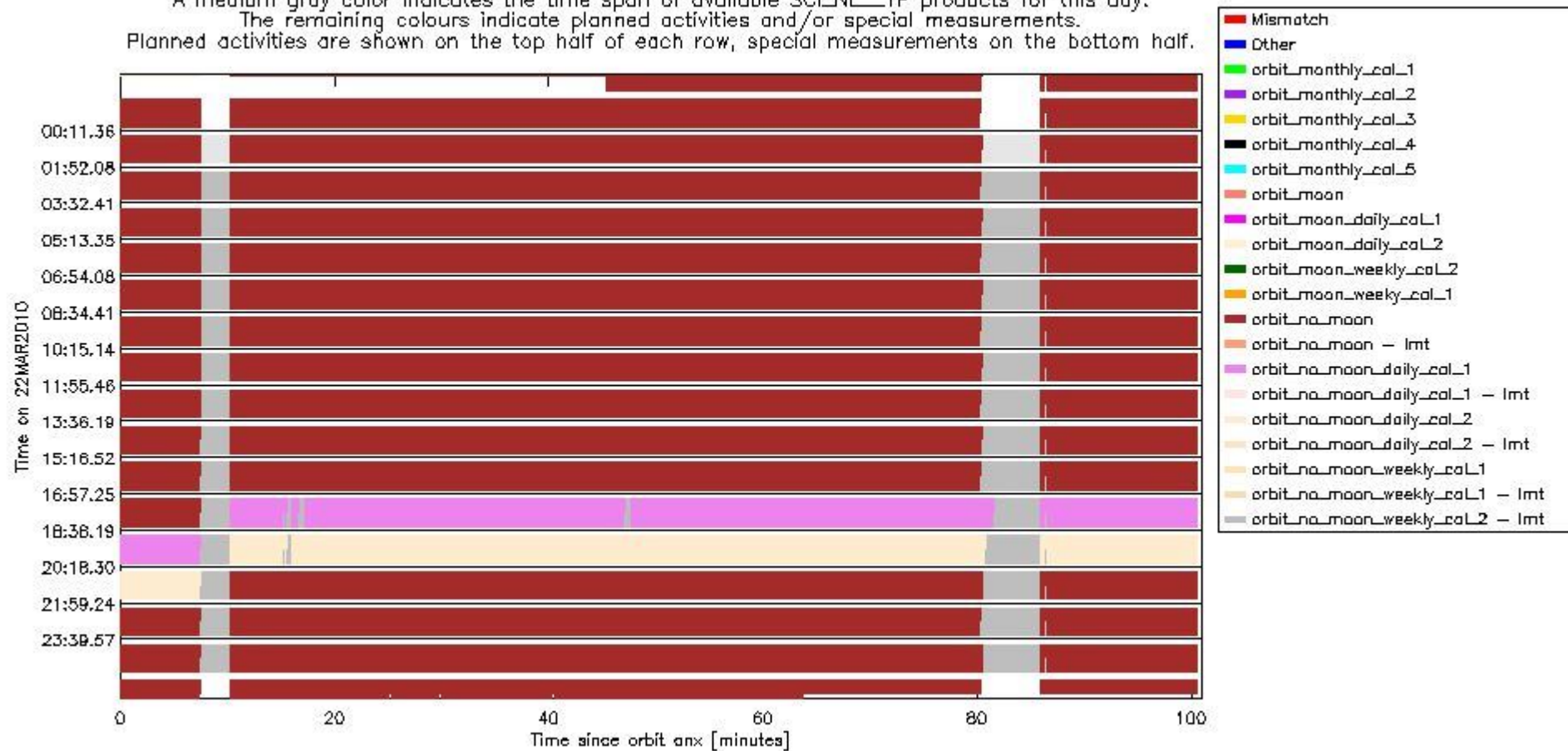


sciamachy_daily_report_level0_Any_version_20100322_5.PNG

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 22MAR2010.
 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_20100322_6.PNG

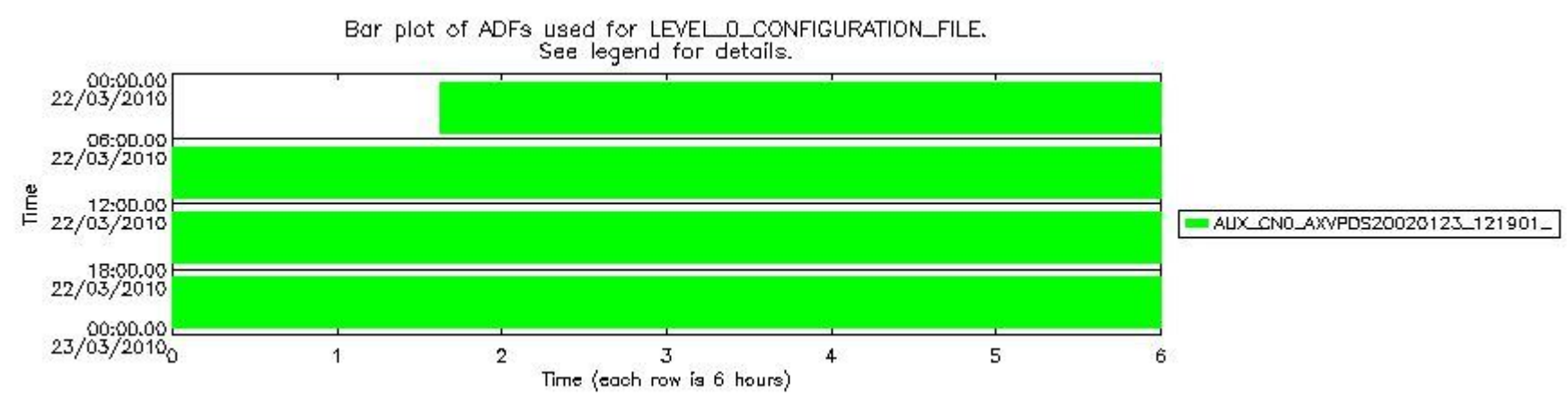
0.4 ADF monitoring

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

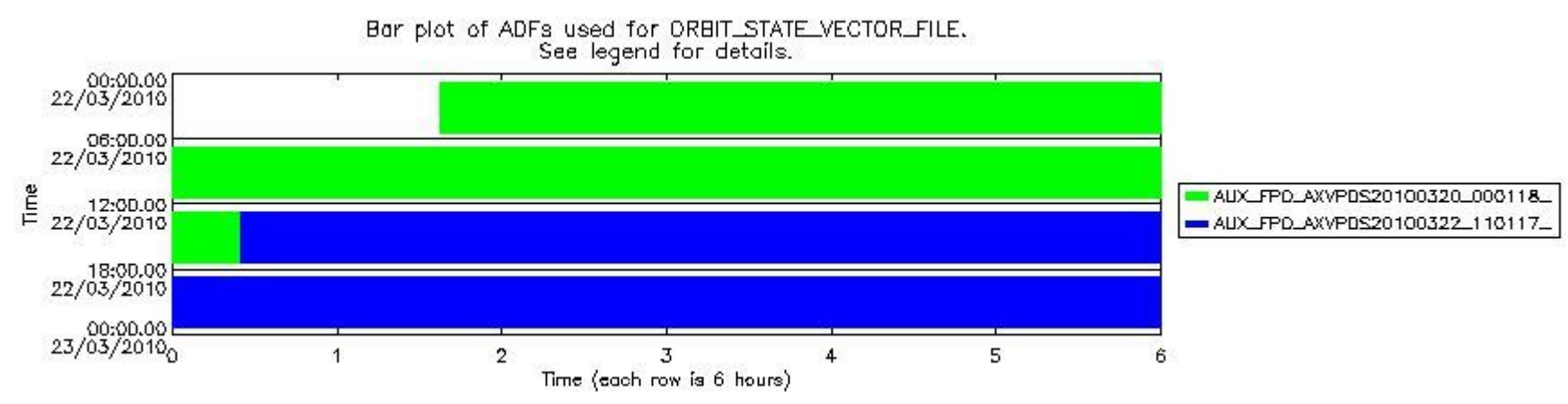
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

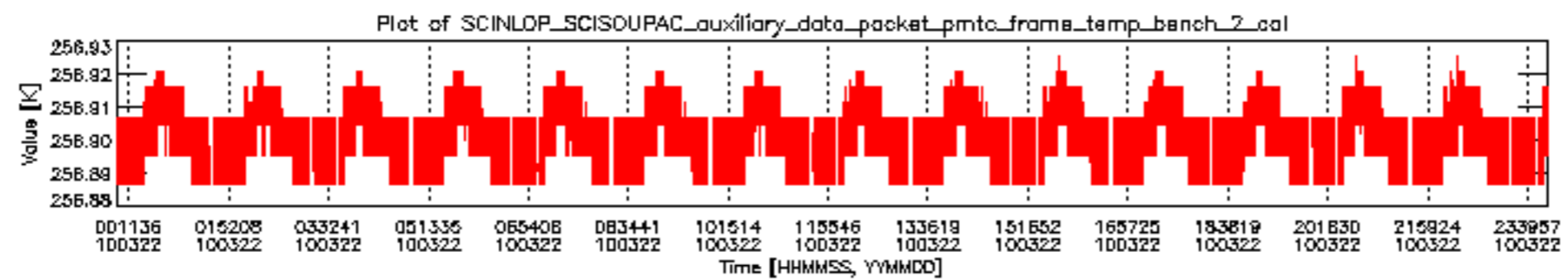
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100320_000118_20100319_183225_20100329_213915
2	AUX_FPO_AXVPDS20100322_110117_20100321_190947_20100331_203601

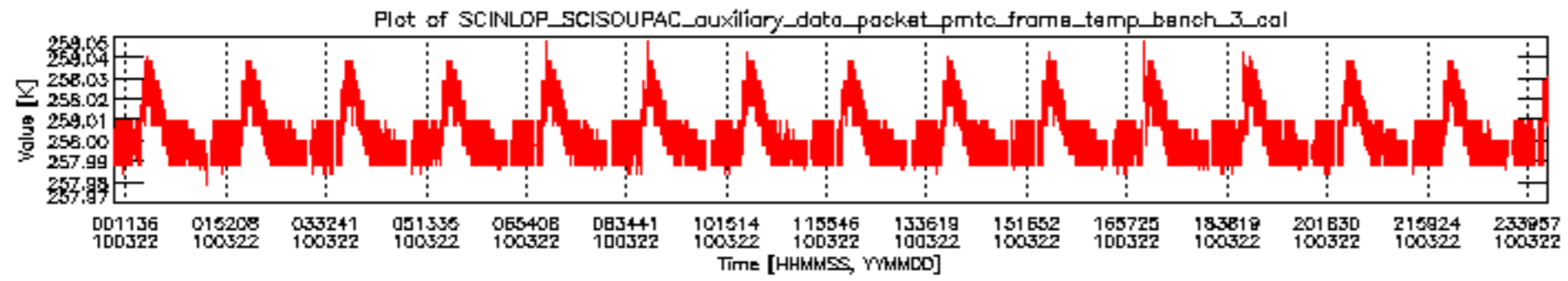


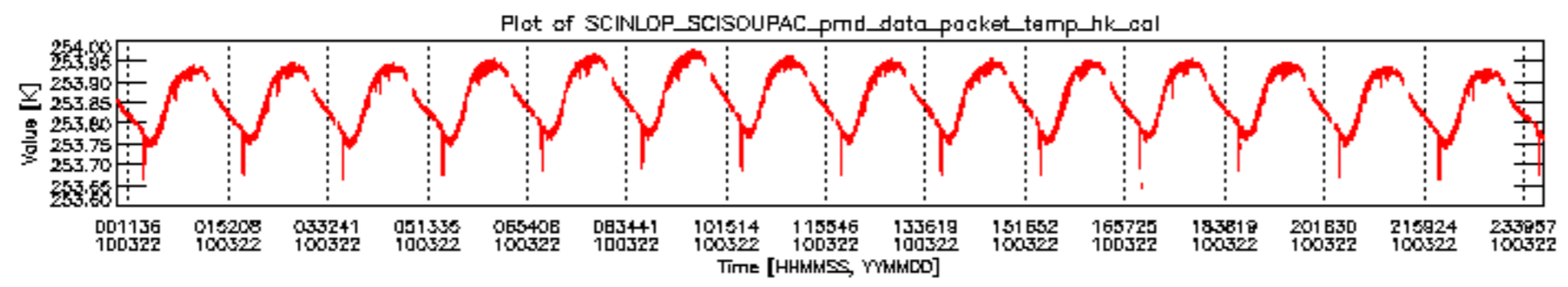
sciamachy_daily_report_level0_Any_version_20100322_7.PNG

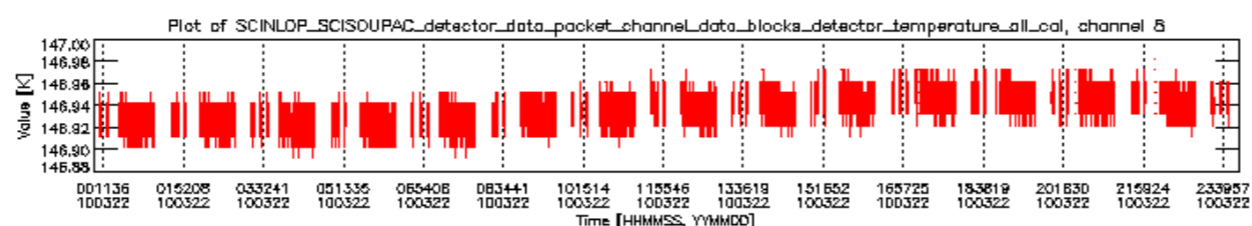
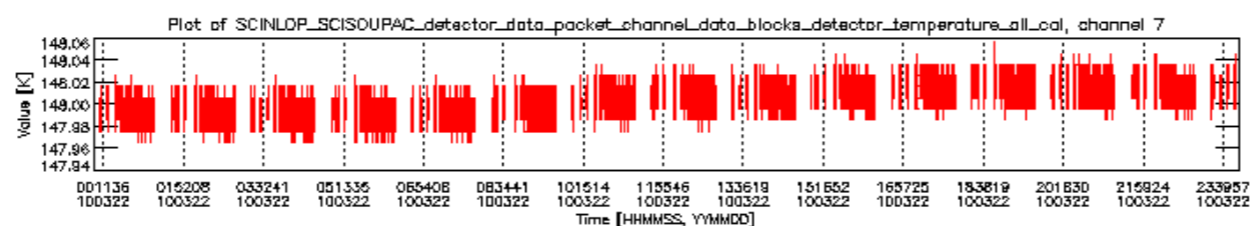
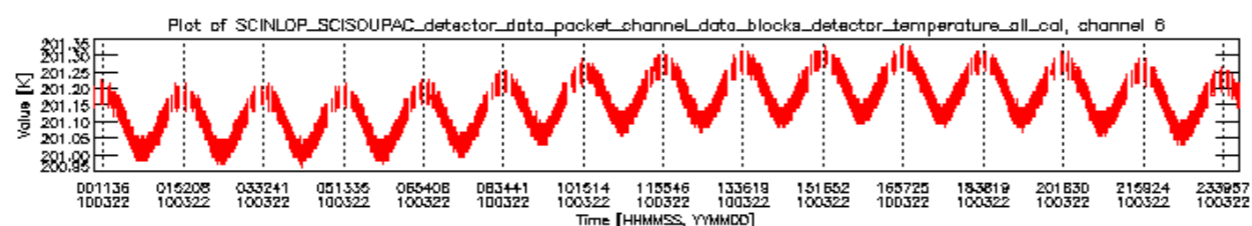
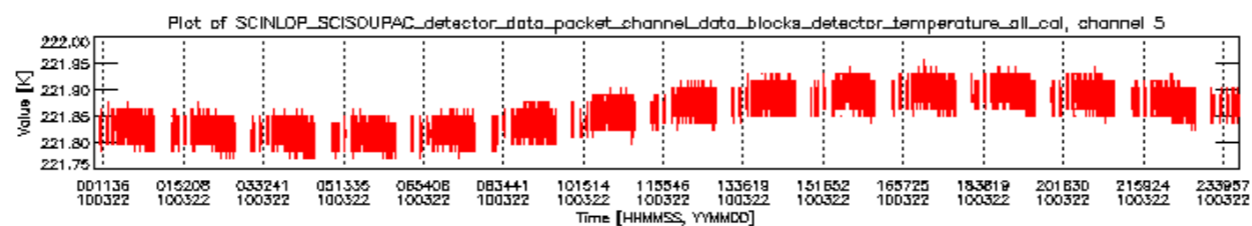
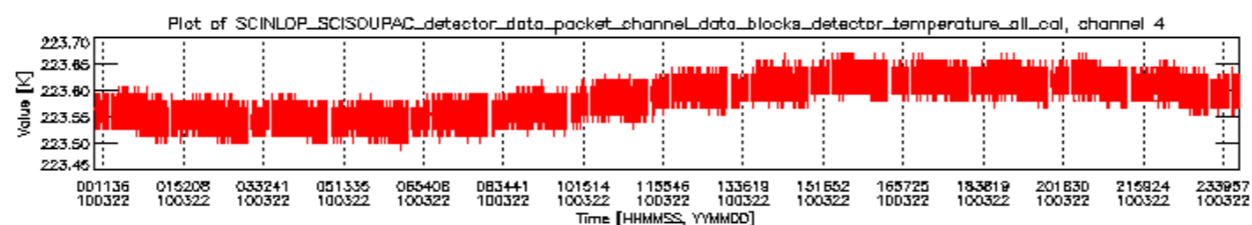
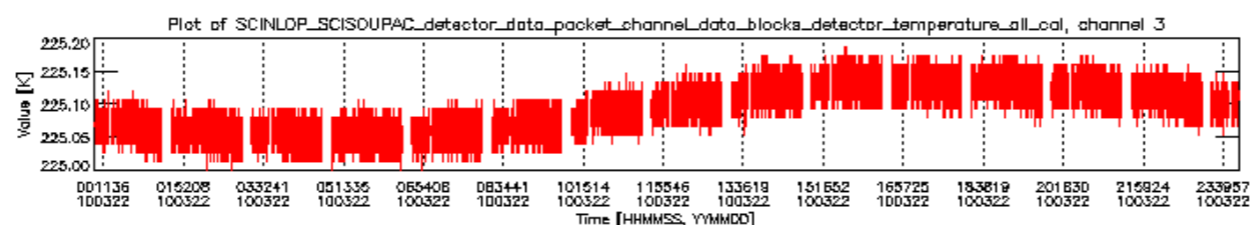
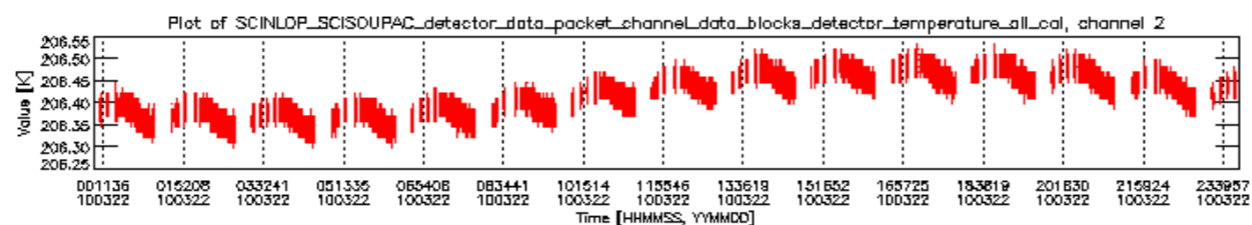
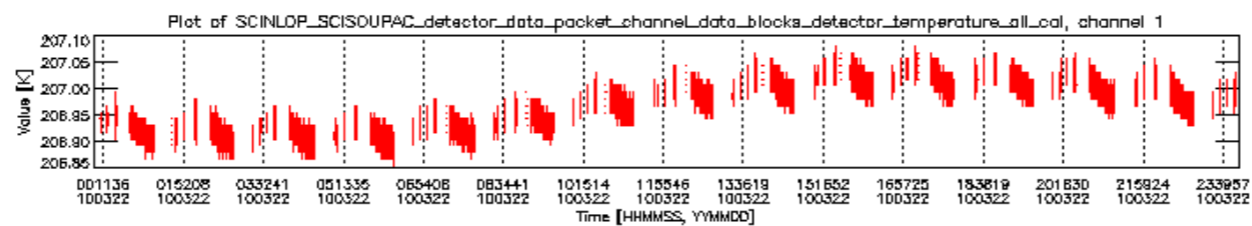


sciamachy_daily_report_level0_Any_version_20100322_8.PNG

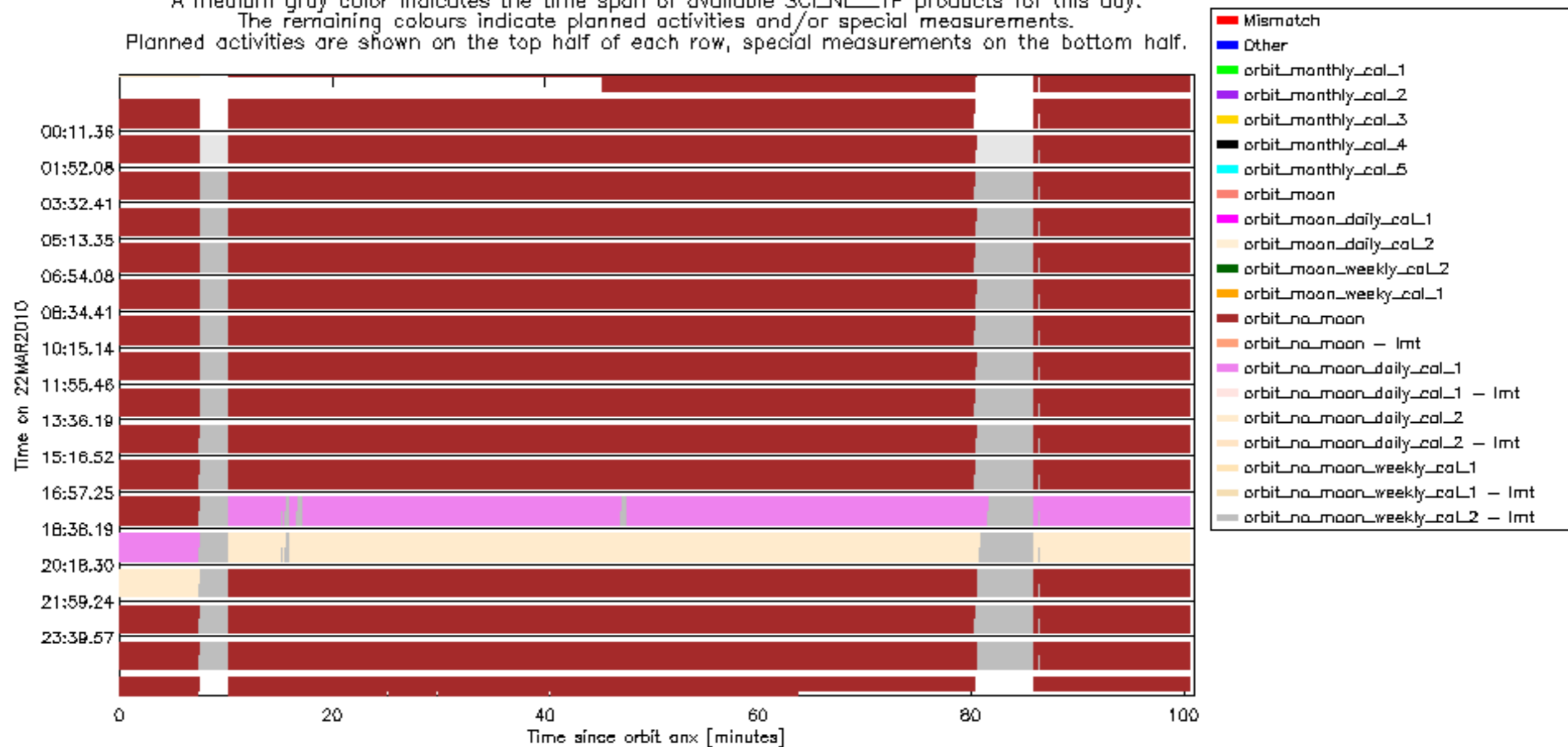


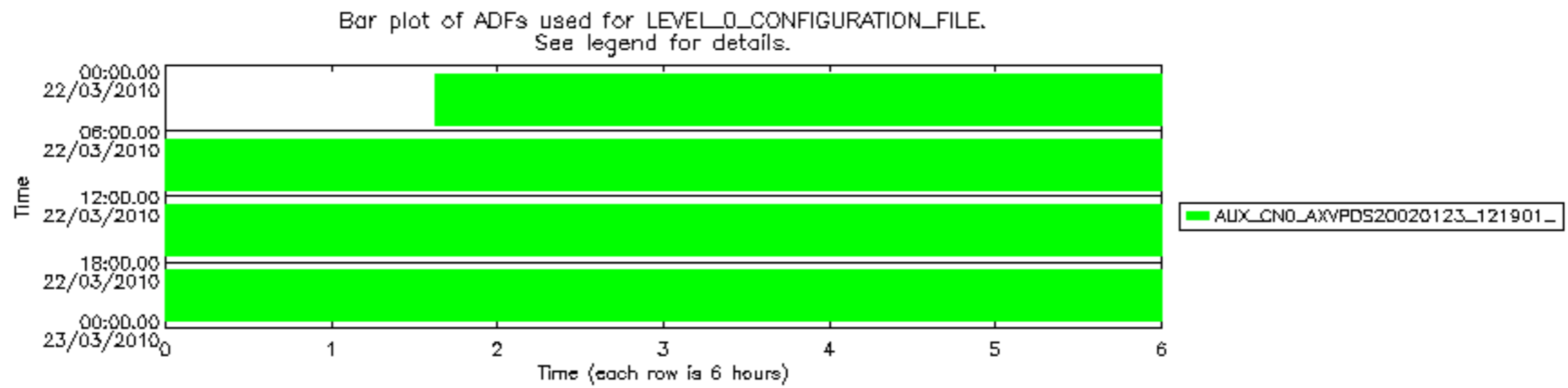


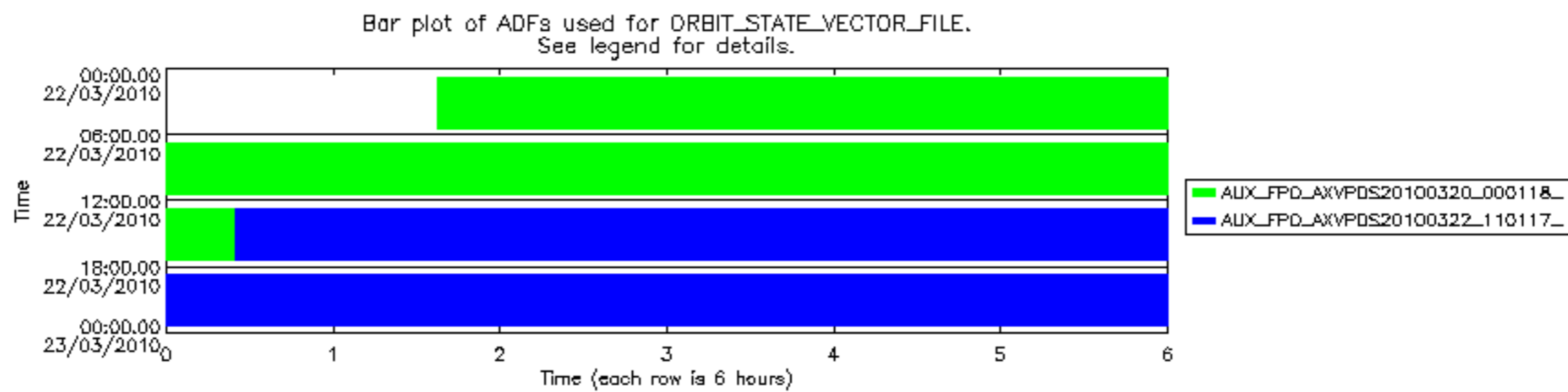


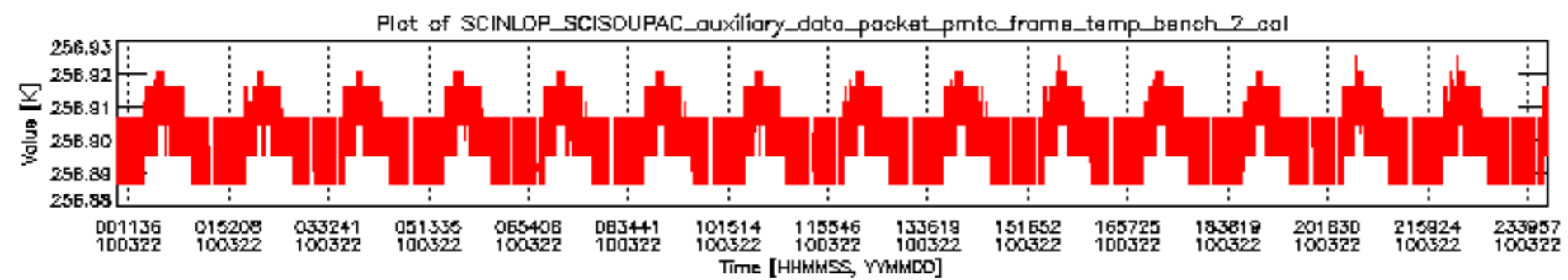


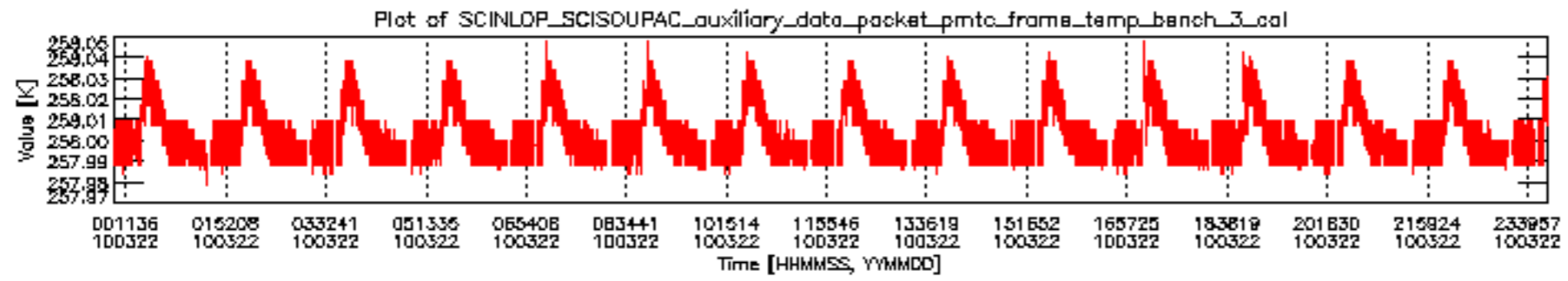
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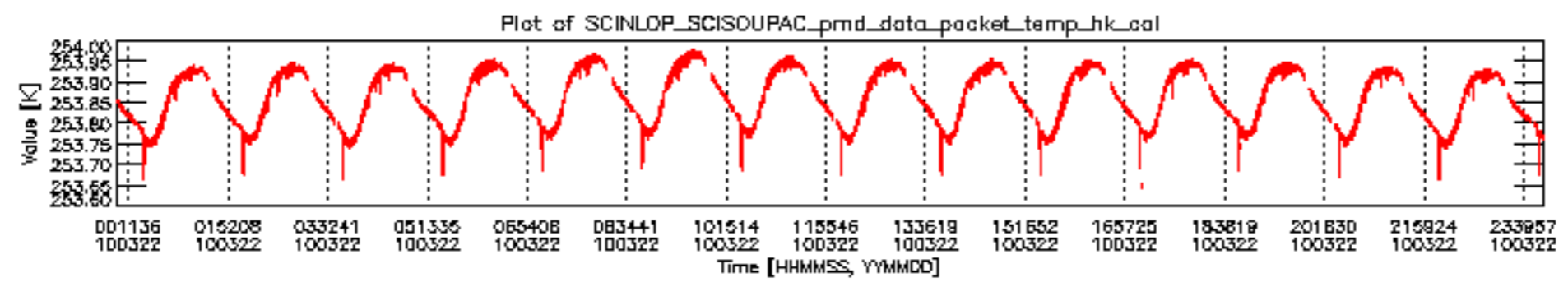


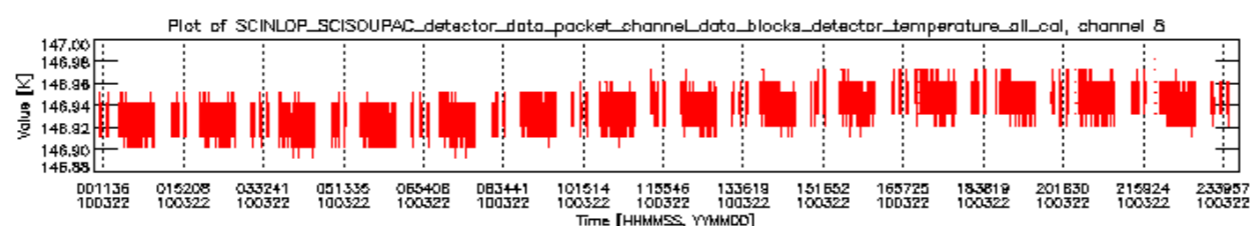
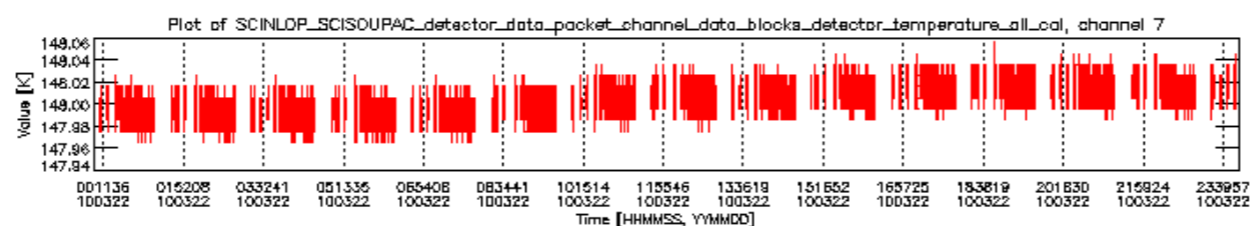
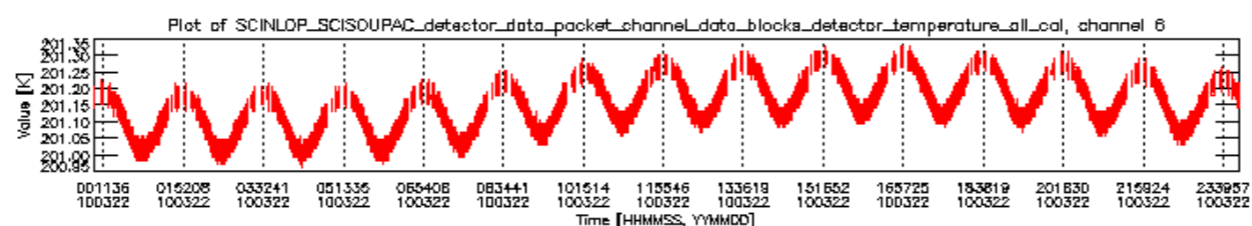
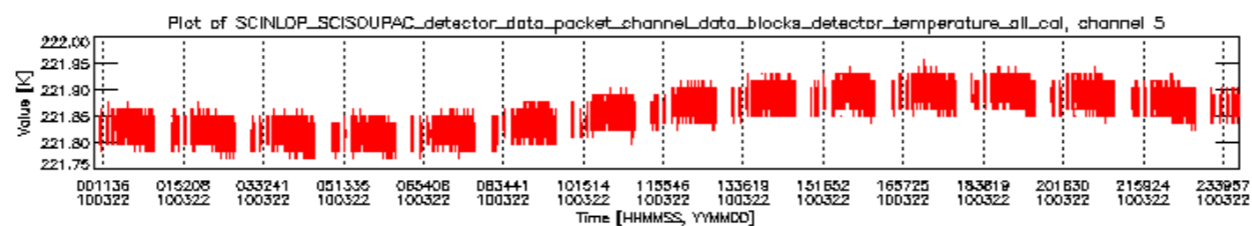
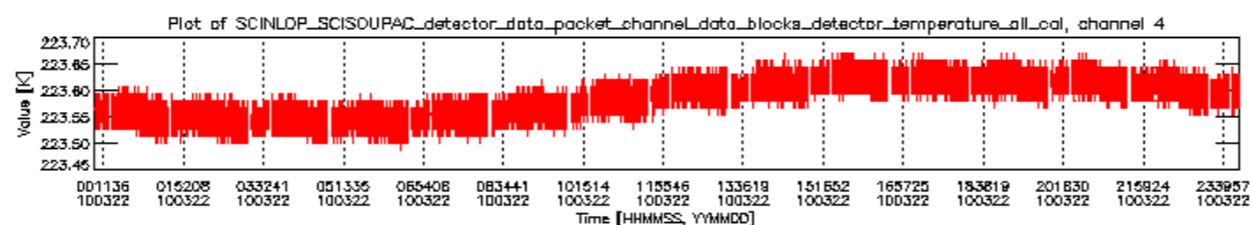
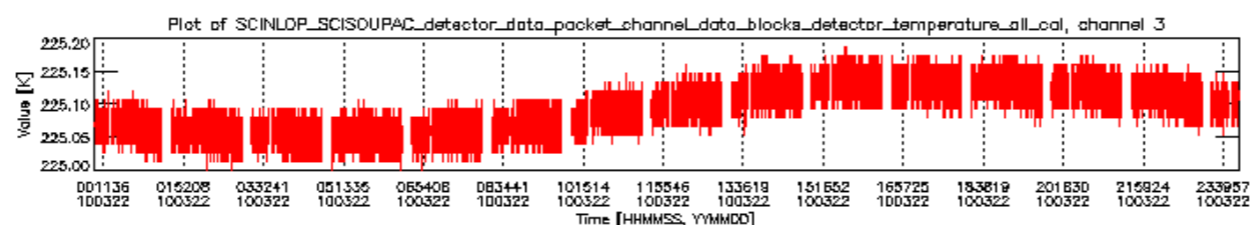
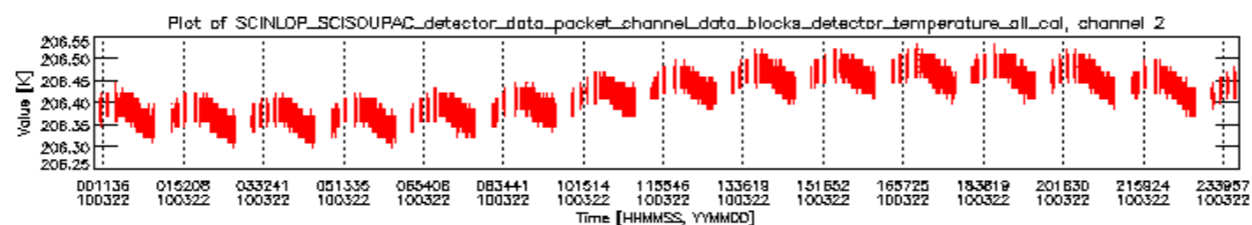
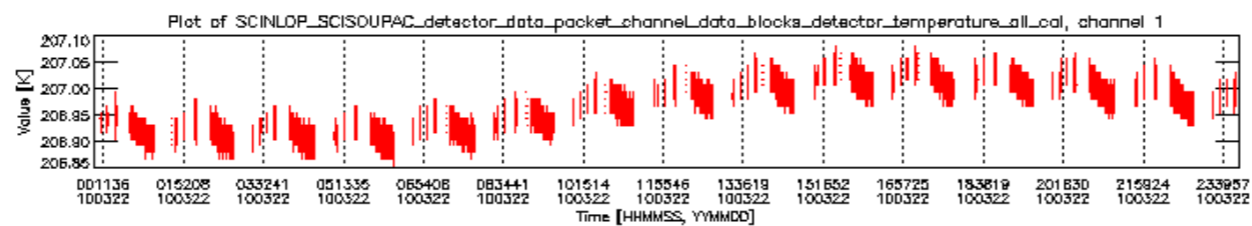












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