

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 15:18:41
Data source version	<Any version>
Processing scope for products	24MAR2010 00:00:00 to 25MAR2010 00:00:00
Start time of first product within scope	24MAR2010 00:35:30
Stop time of last product within scope	24MAR2010 22:24:29
Total number of Level 0 products	14
Number of Level 0 products with errors	0

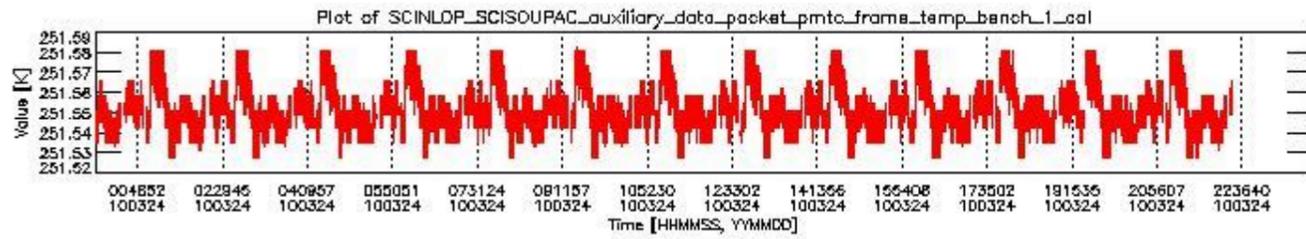
0.1.2 Summary per product

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

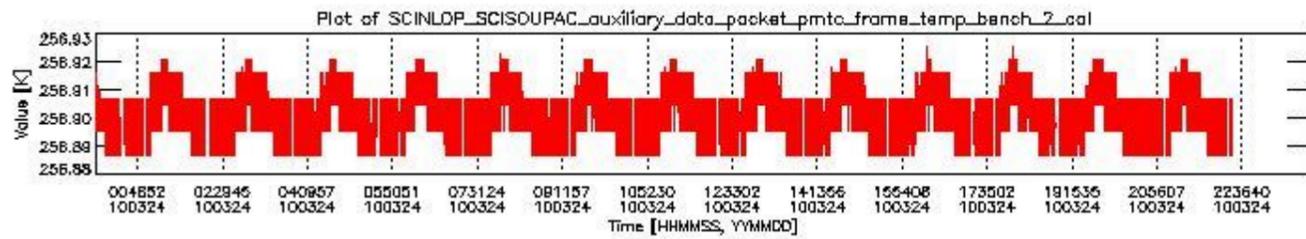
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100324_003530_000059482088_00016_42154_1136.N1	24MAR2010 00:35:30	24MAR2010 02:14:37	0	0	0	0	0
1	SCI_NL__OPNPDE20100324_021437_000044492088_00017_42155_1137.N1	24MAR2010 02:14:37	24MAR2010 03:28:46	0	0	0	0	0
2	SCI_NL__OPNPDE20100324_032750_000062162088_00018_42156_1138.N1	24MAR2010 03:27:50	24MAR2010 05:11:26	0	0	0	0	0
3	SCI_NL__OPNPDE20100324_051030_000060912088_00019_42157_1139.N1	24MAR2010 05:10:30	24MAR2010 06:52:01	0	0	0	0	0
4	SCI_NL__OPNPDK20100324_065105_000041002088_00020_42158_4419.N1	24MAR2010 06:51:05	24MAR2010 07:59:26	0	0	0	0	0
5	SCI_NL__OPNPDK20100324_075830_000060912088_00021_42159_4420.N1	24MAR2010 07:58:30	24MAR2010 09:40:01	0	0	0	0	0
6	SCI_NL__OPNPDK20100324_094001_000060352088_00022_42160_4421.N1	24MAR2010 09:40:01	24MAR2010 11:20:37	0	0	0	0	0
7	SCI_NL__OPNPDK20100324_112037_000059112088_00023_42161_4422.N1	24MAR2010 11:20:37	24MAR2010 12:59:08	0	0	0	0	0
8	SCI_NL__OPNPDK20100324_125908_000059802088_00024_42162_4423.N1	24MAR2010 12:59:08	24MAR2010 14:38:47	0	0	0	0	0
9	SCI_NL__OPNPDK20100324_143739_000059112088_00025_42163_4424.N1	24MAR2010 14:37:39	24MAR2010 16:16:10	0	0	0	0	0
10	SCI_NL__OPNPDK20100324_161405_000059472088_00026_42164_4425.N1	24MAR2010 16:14:05	24MAR2010 17:53:13	0	0	0	0	0
11	SCI_NL__OPNPDK20100324_175217_000059392088_00027_42165_4426.N1	24MAR2010 17:52:17	24MAR2010 19:31:16	0	0	0	0	0
12	SCI_NL__OPNPDK20100324_192915_000062852088_00028_42166_4427.N1	24MAR2010 19:29:15	24MAR2010 21:14:00	0	0	0	0	0
13	SCI_NL__OPNPDE20100324_211304_000042852088_00029_42167_1140.N1	24MAR2010 21:13:04	24MAR2010 22:24:29	0	0	0	0	0

0.2 Product Quality Indicators

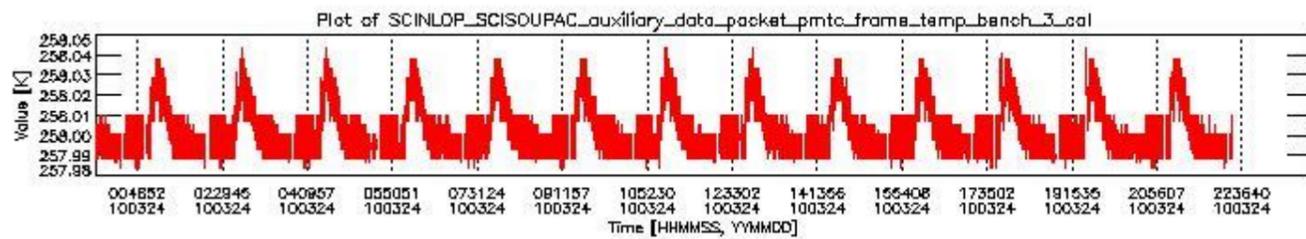
This section shows information about product quality, currently temperatures.



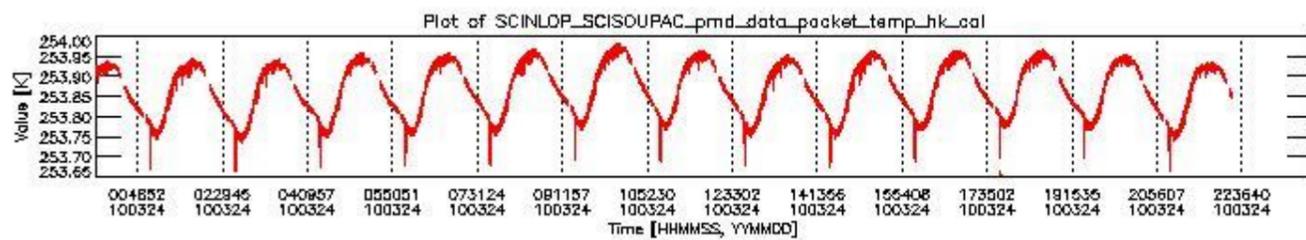
sciamachy_daily_report_level0_Any_version_20100324_0.PNG



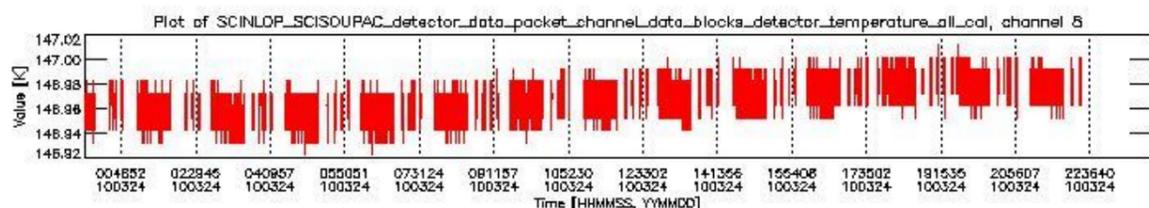
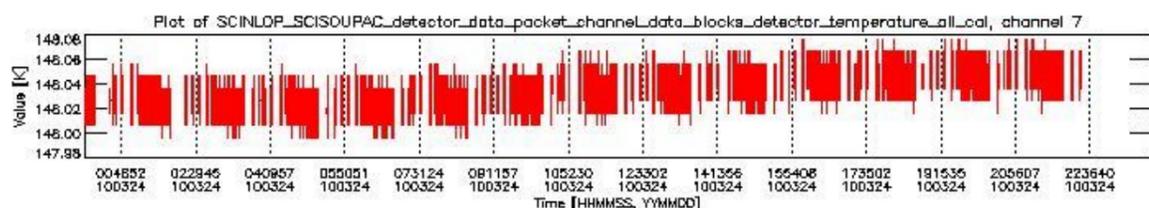
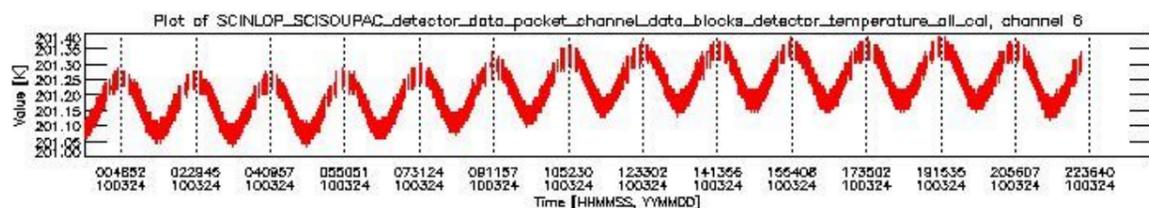
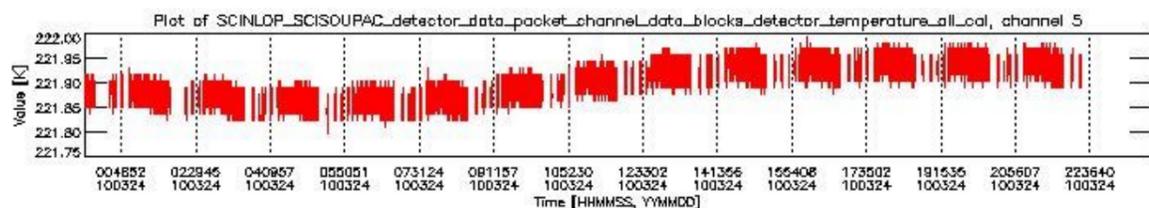
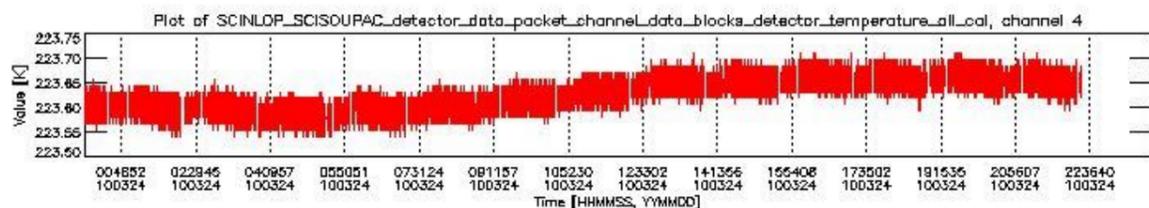
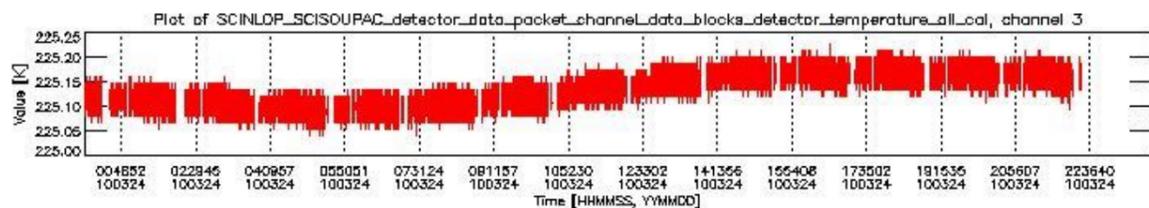
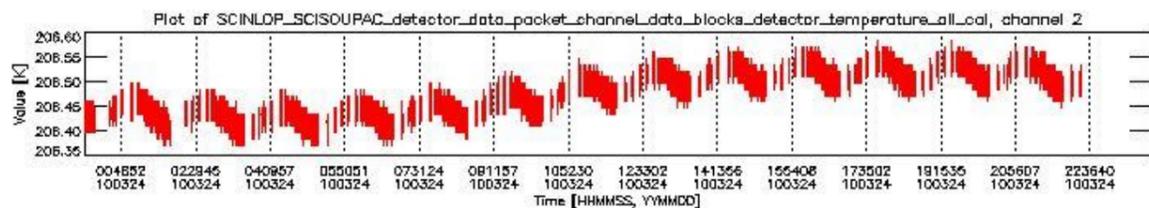
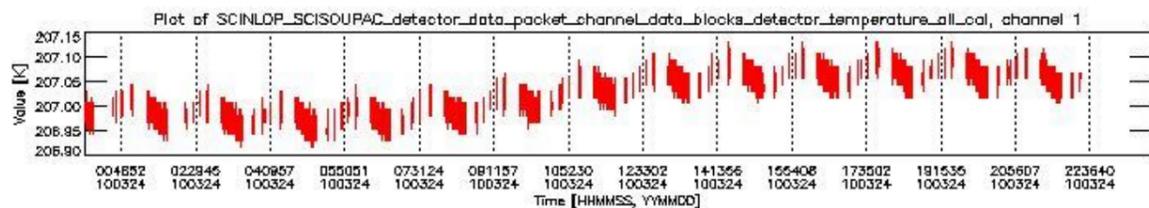
sciamachy_daily_report_level0_Any_version_20100324_1.PNG



sciamachy_daily_report_level0_Any_version_20100324_2.PNG



sciamachy_daily_report_level0_Any_version_20100324_3.PNG

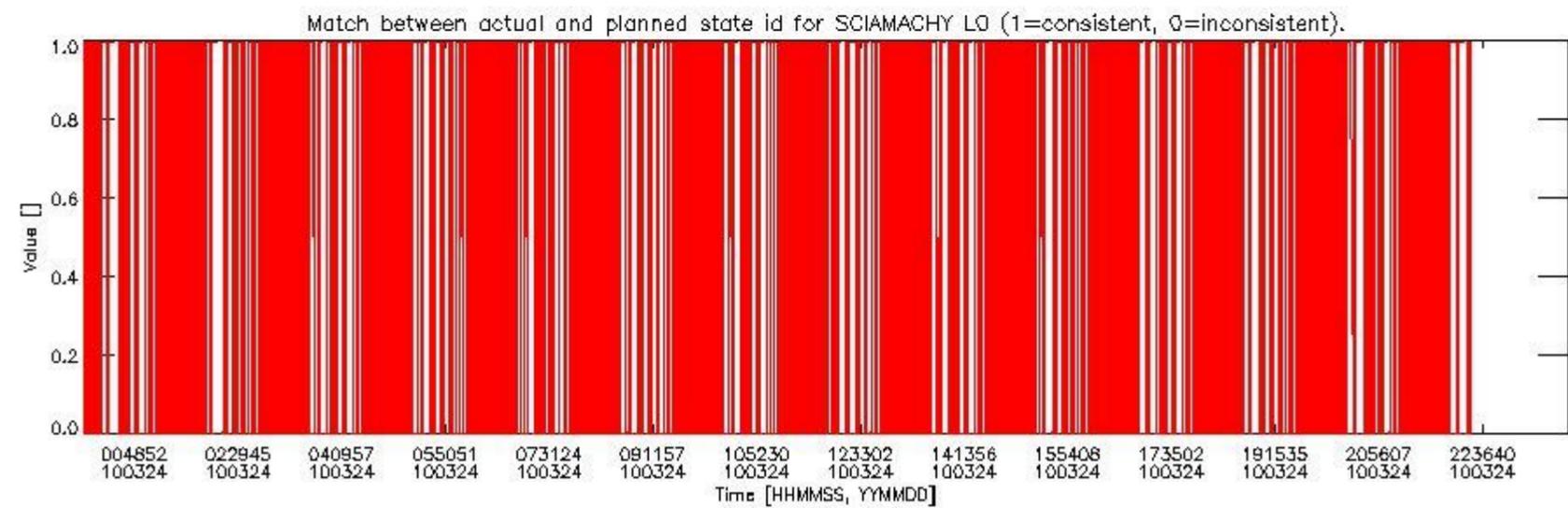
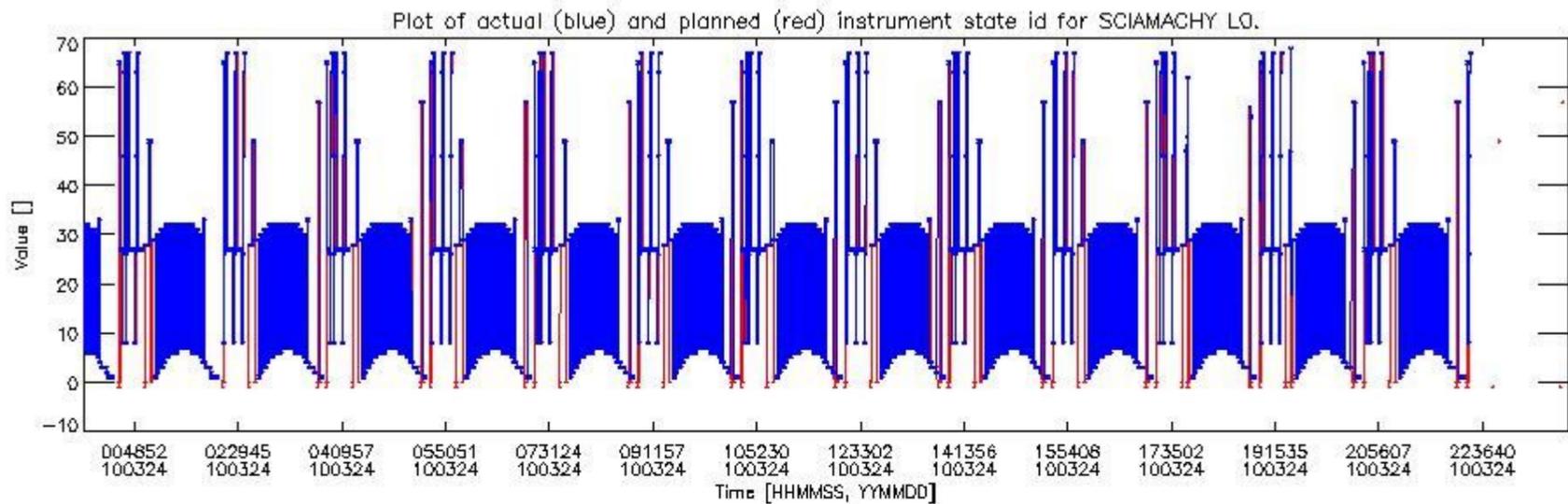


0.3 State monitoring

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: **68369**

#	Actual time	Actual value	Planned time	Planned value
0	24MAR2010 00:00:26.195454	7	24MAR2010 00:00:26.195454	32
1	24MAR2010 00:00:26.570454	7	24MAR2010 00:00:26.570454	32
2	24MAR2010 00:00:26.820454	7	24MAR2010 00:00:26.820454	32
3	24MAR2010 00:00:27.070454	7	24MAR2010 00:00:27.070454	32
4	24MAR2010 00:00:27.320454	7	24MAR2010 00:00:27.320454	32
5	24MAR2010 00:00:27.570454	7	24MAR2010 00:00:27.570454	32
6	24MAR2010 00:00:27.820454	7	24MAR2010 00:00:27.820454	32
7	24MAR2010 00:00:28.070454	7	24MAR2010 00:00:28.070454	32
8	24MAR2010 00:00:28.320454	7	24MAR2010 00:00:28.320454	32
9	24MAR2010 00:00:28.570454	7	24MAR2010 00:00:28.570454	32
10	24MAR2010 00:00:28.820454	7	24MAR2010 00:00:28.820454	32
11	24MAR2010 00:00:29.070454	7	24MAR2010 00:00:29.070454	32
12	24MAR2010 00:00:29.320454	7	24MAR2010 00:00:29.320454	32
13	24MAR2010 00:00:29.570454	7	24MAR2010 00:00:29.570454	32
14	24MAR2010 00:00:29.820454	7	24MAR2010 00:00:29.820454	32
15	24MAR2010 00:00:30.070454	7	24MAR2010 00:00:30.070454	32
16	24MAR2010 00:00:30.320454	7	24MAR2010 00:00:30.320454	32
17	24MAR2010 00:00:30.570454	7	24MAR2010 00:00:30.570454	32
18	24MAR2010 00:00:30.820454	7	24MAR2010 00:00:30.820454	32
19	24MAR2010 00:00:31.070454	7	24MAR2010 00:00:31.070454	32

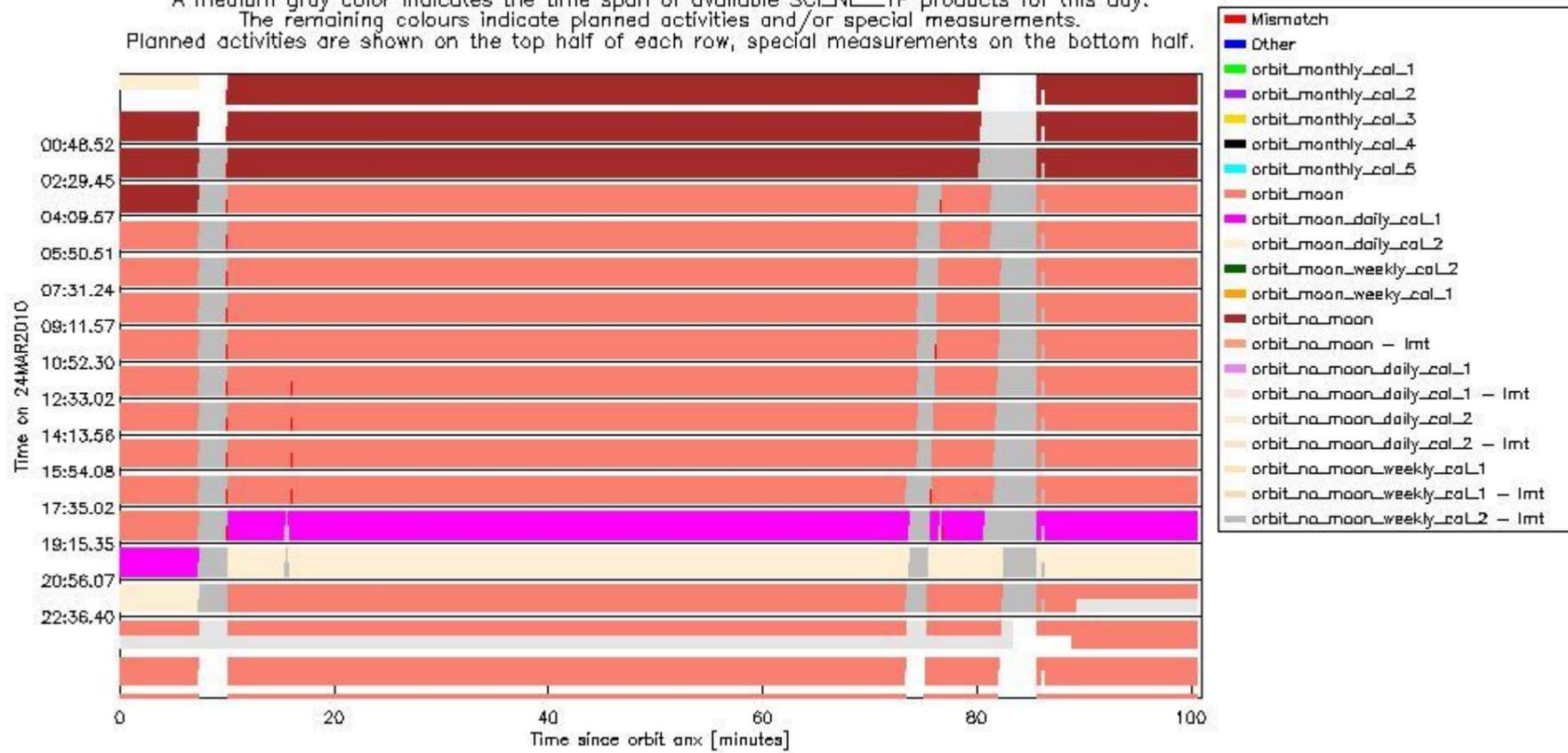


sciamachy_daily_report_level0_Any_version_20100324_5.PNG

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 24MAR2010.
 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_20100324_6.PNG

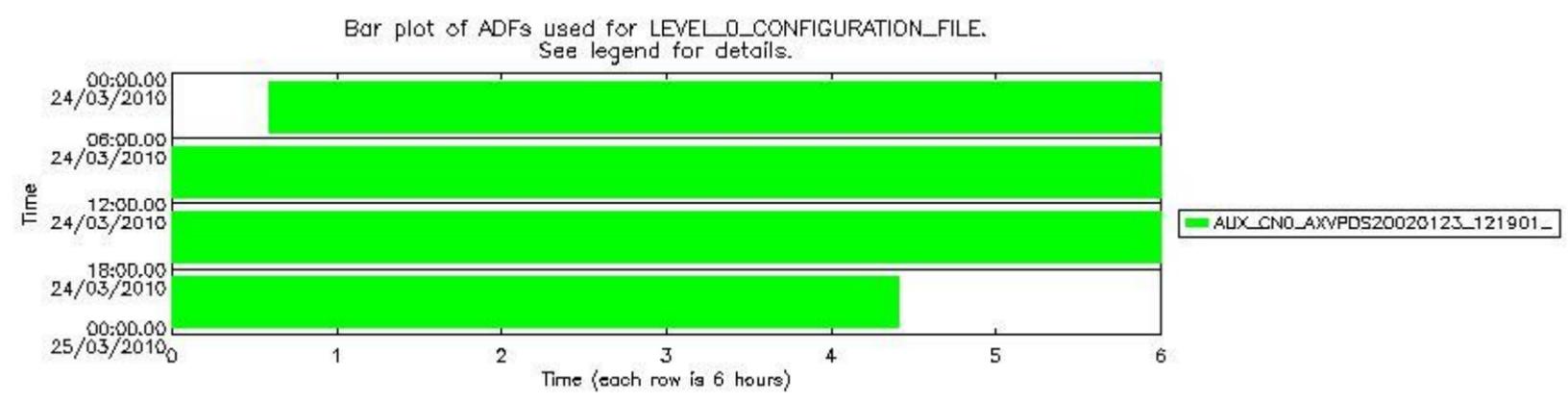
0.4 ADF monitoring

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

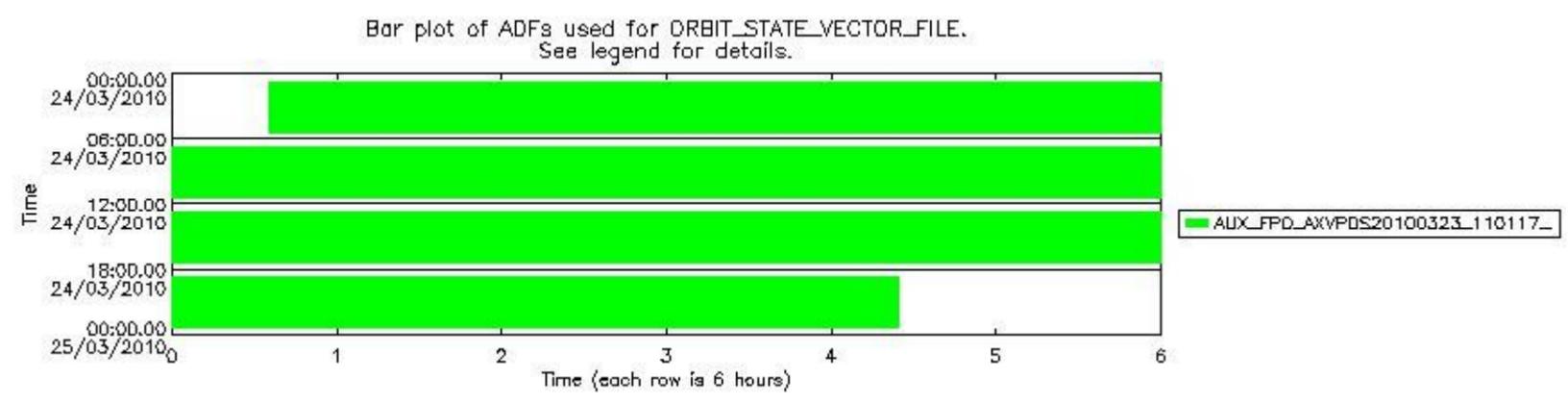
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

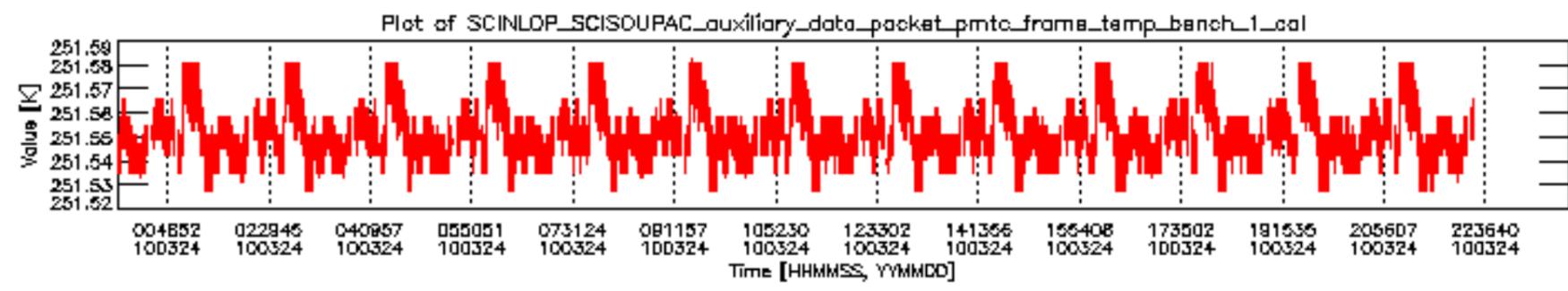
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100323_110117_20100322_183810_20100401_200424

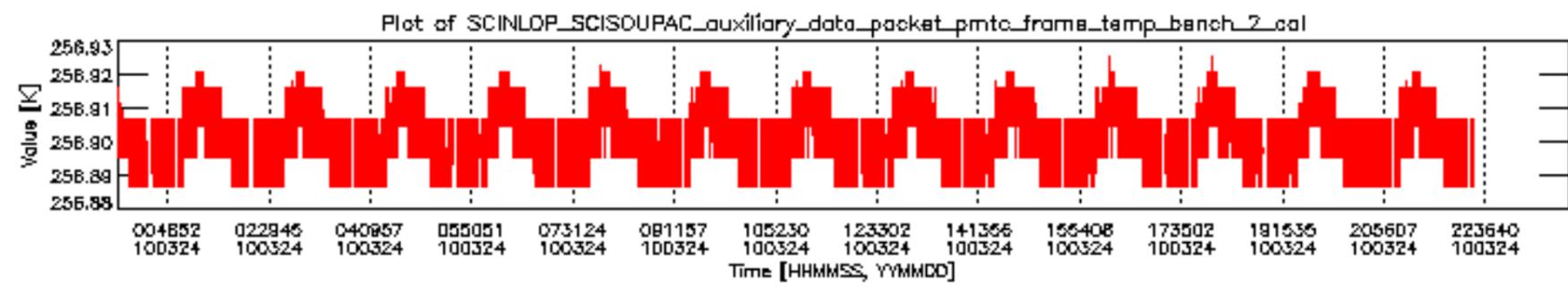


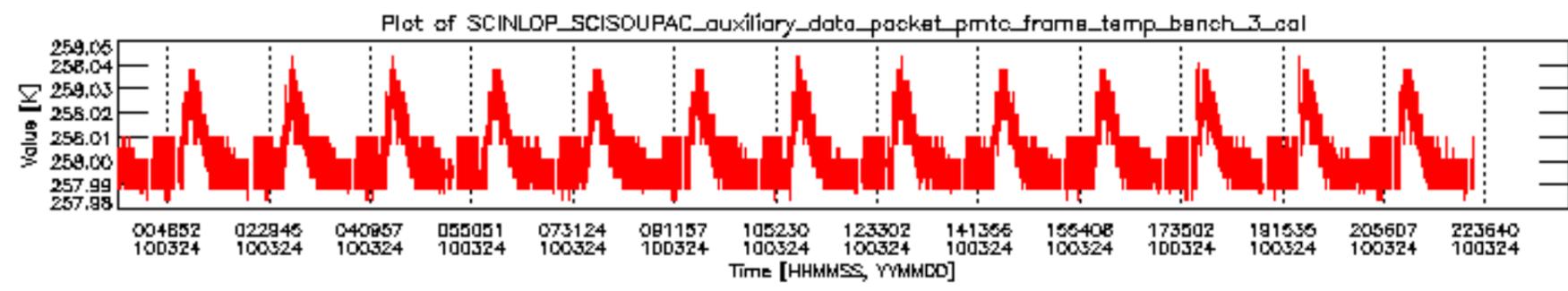
sciamachy_daily_report_level0_Any_version_20100324_7.PNG

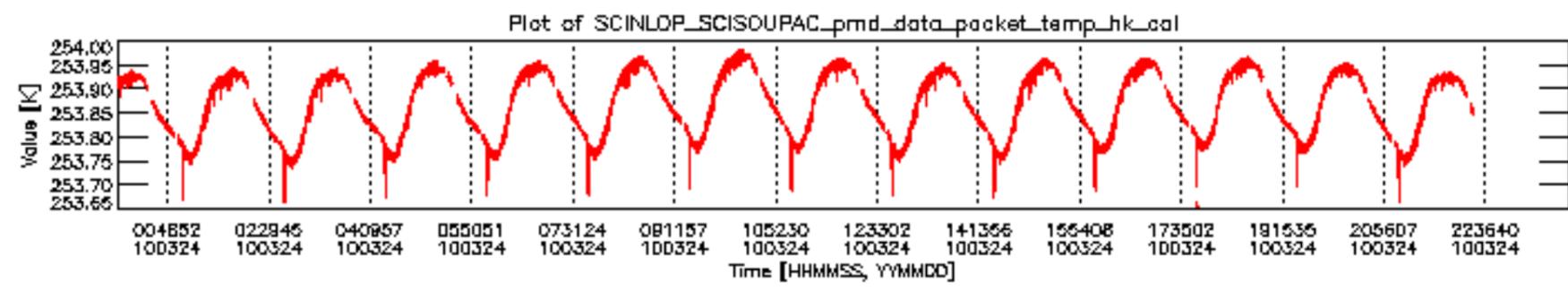


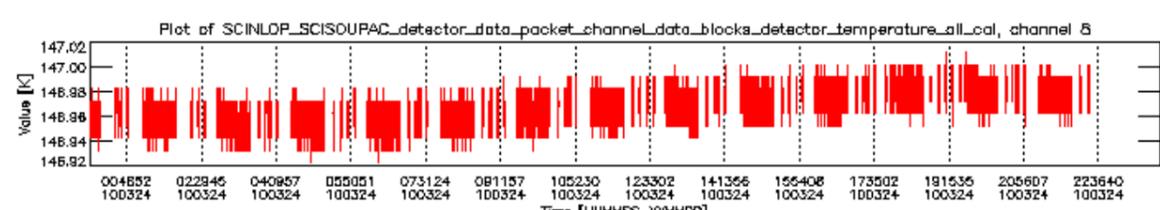
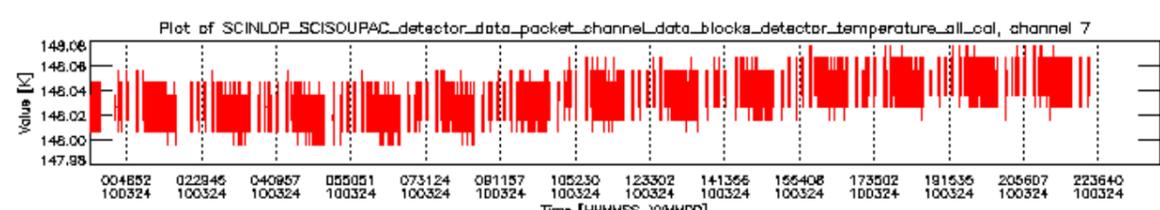
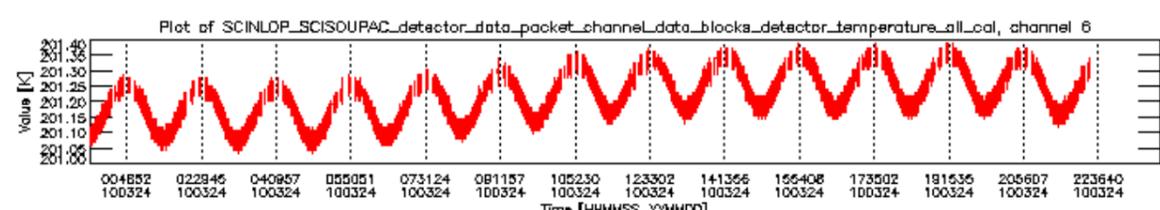
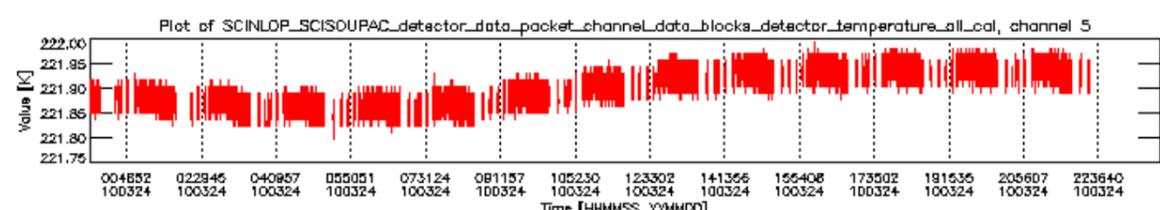
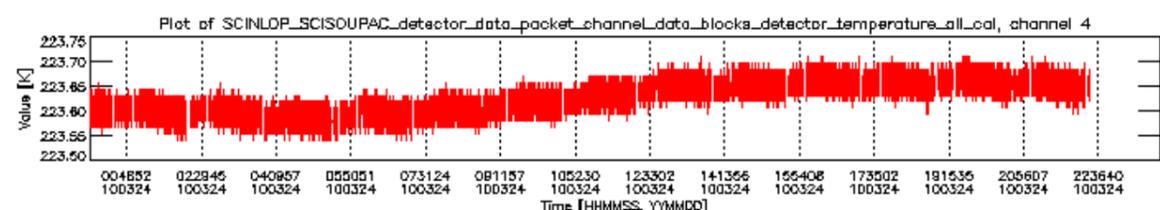
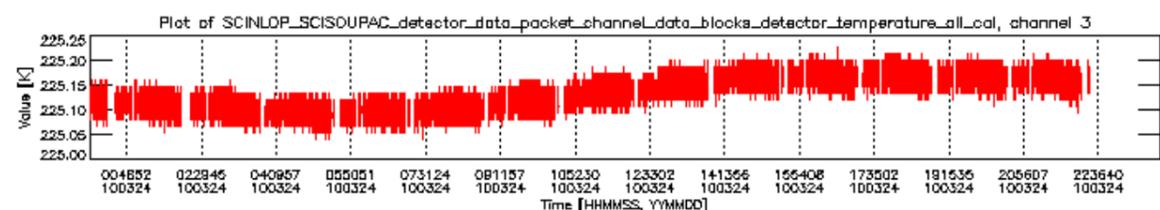
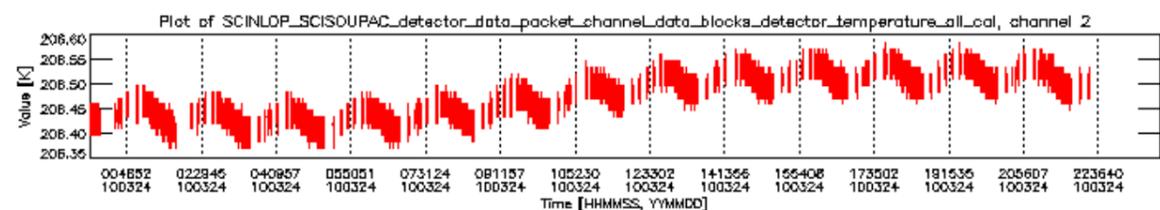
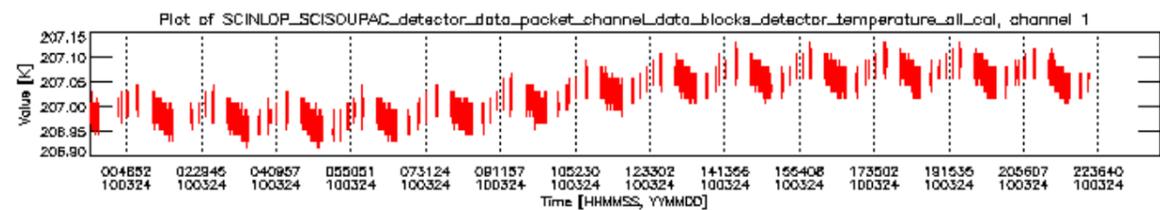
sciamachy_daily_report_level0_Any_version_20100324_8.PNG

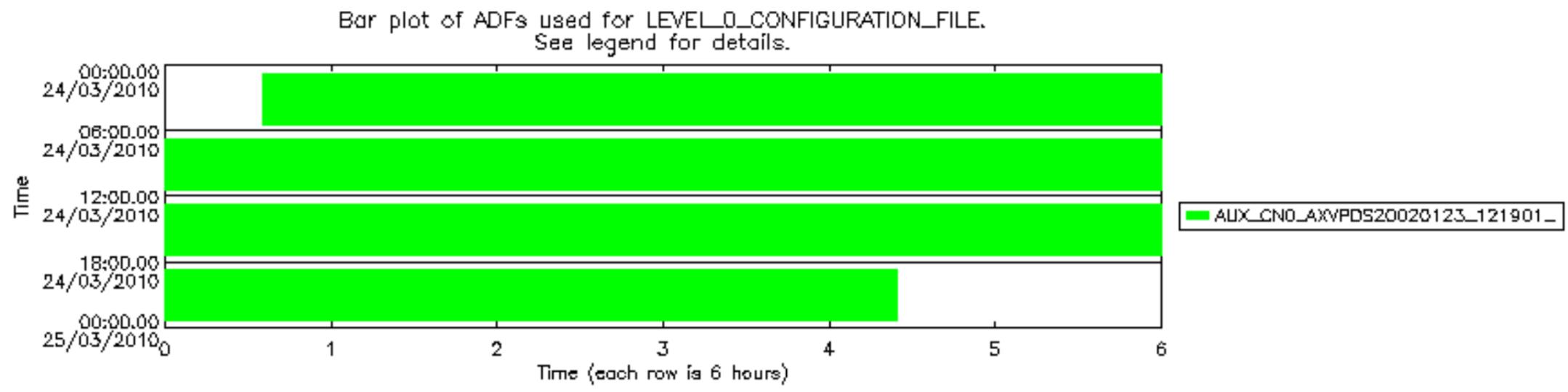


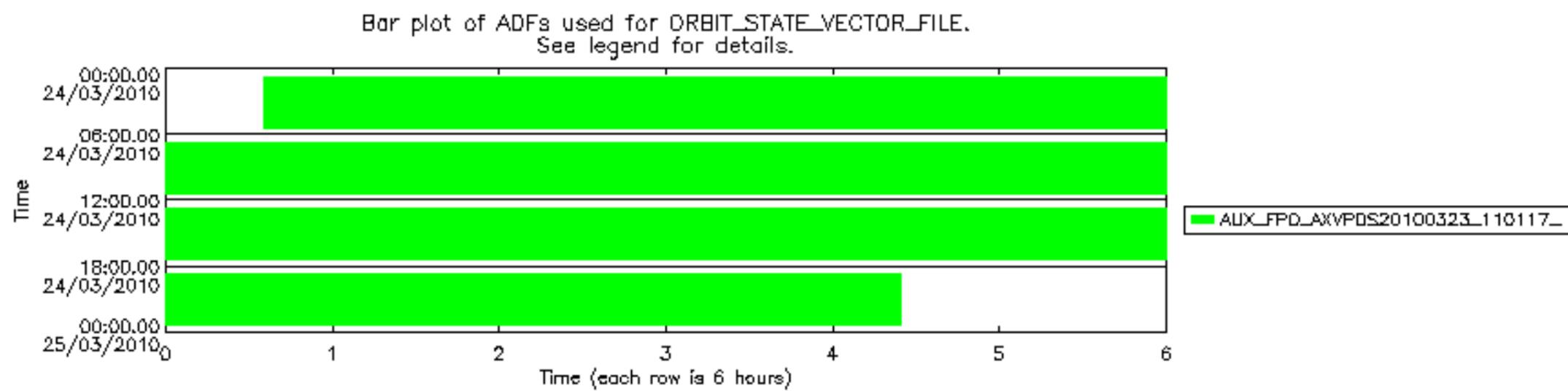


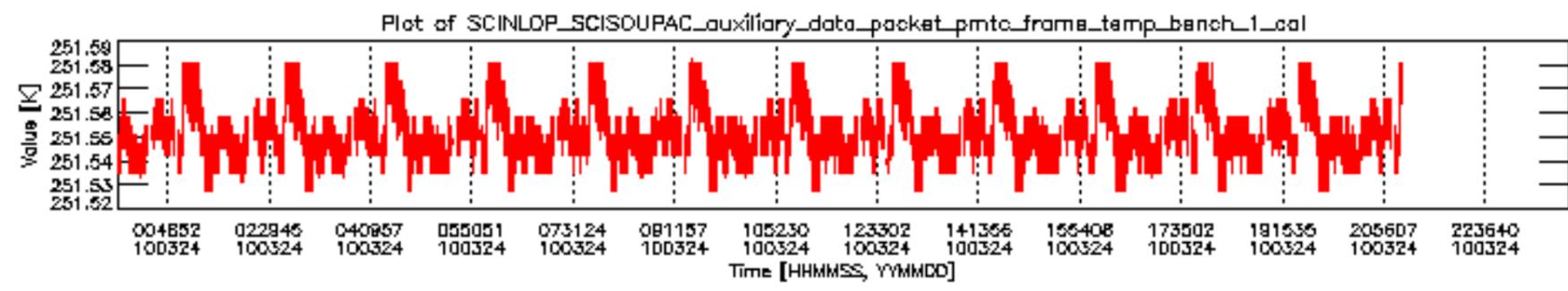


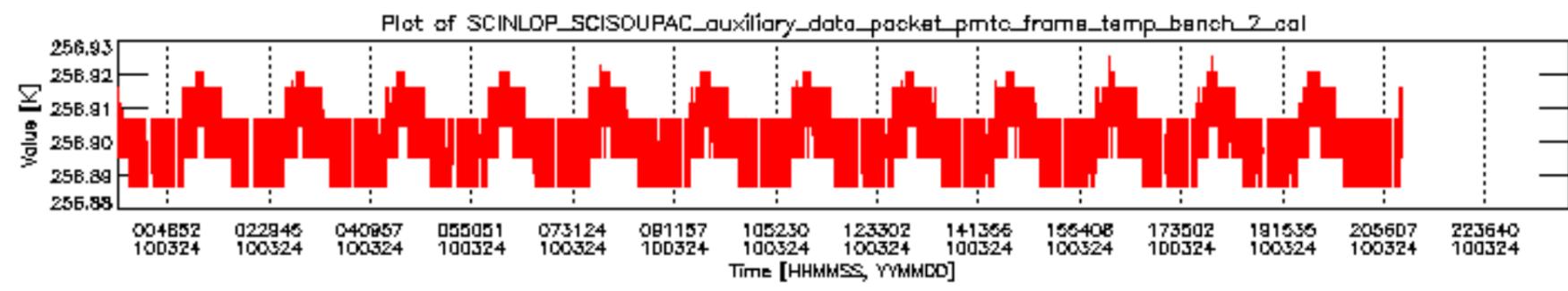


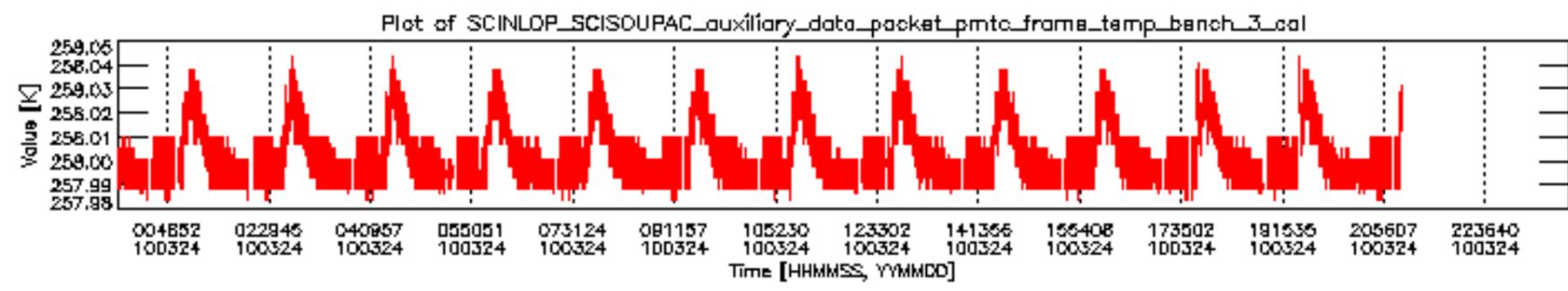


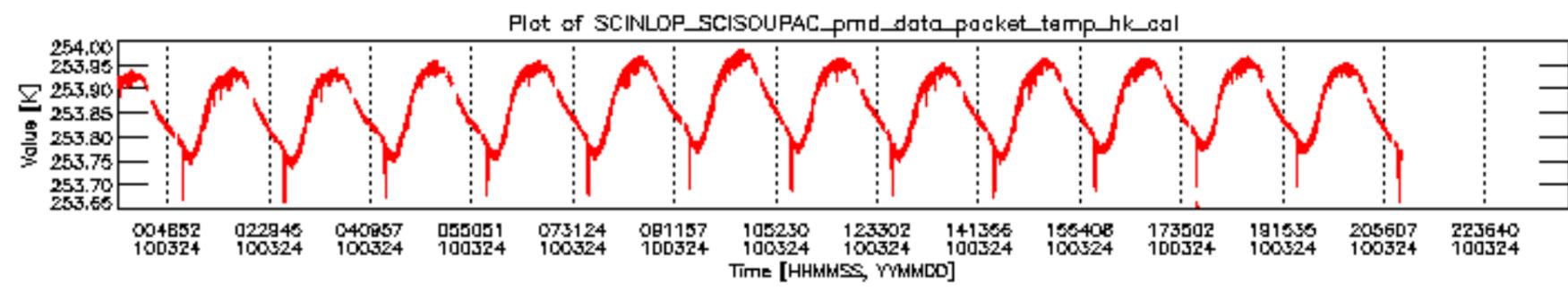


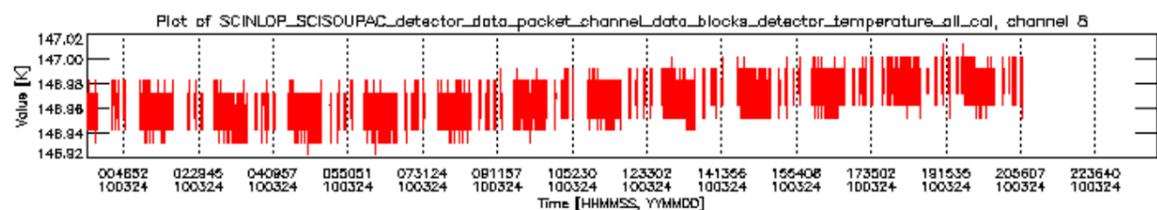
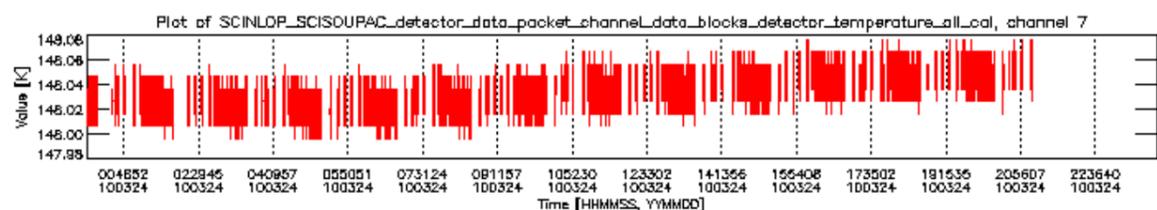
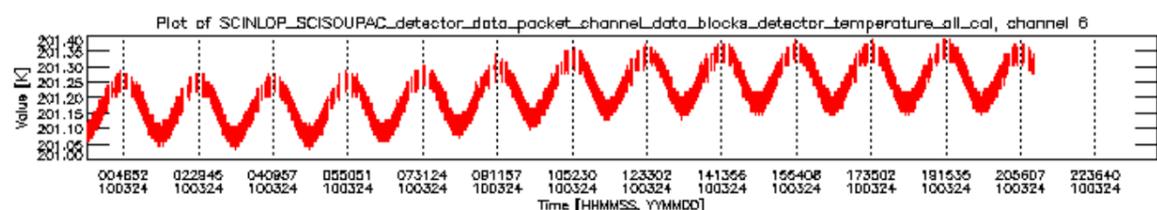
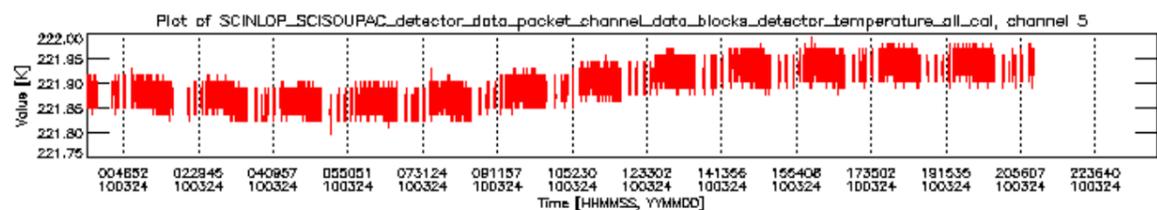
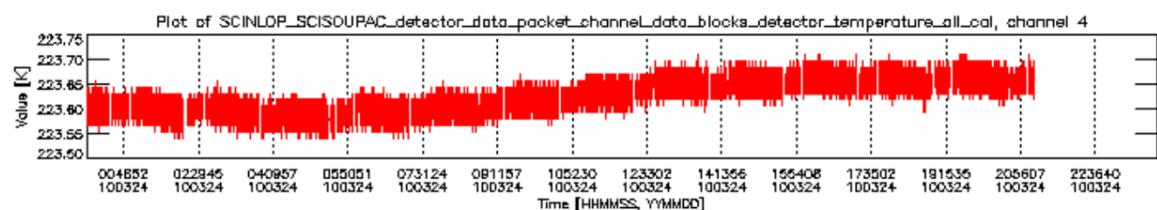
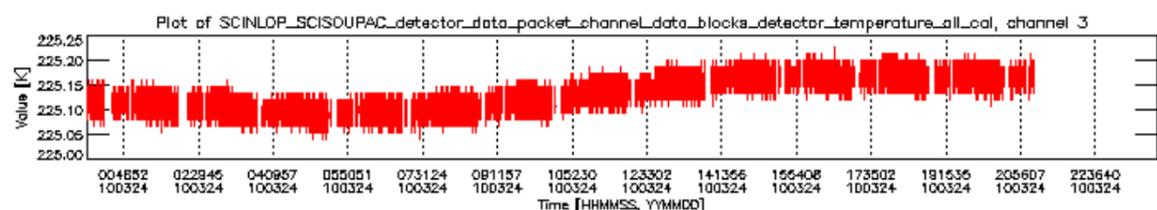
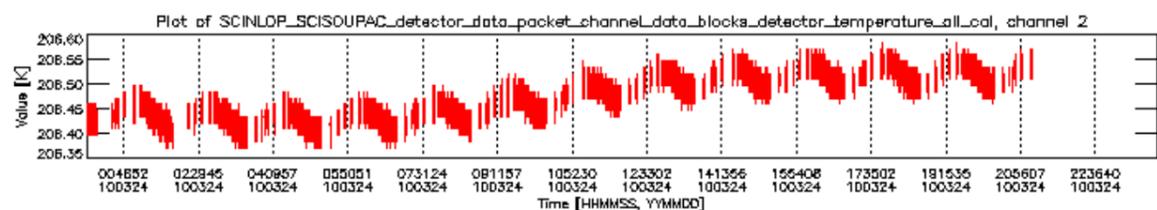
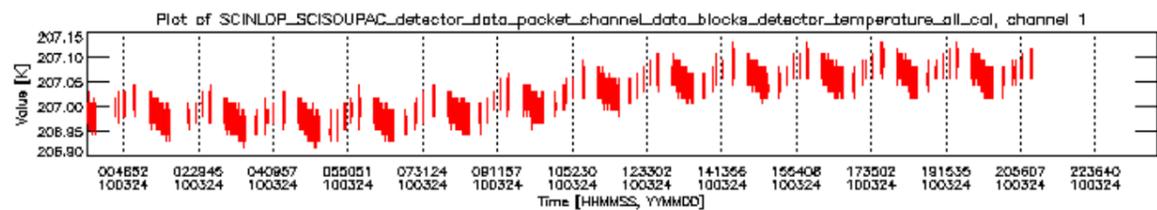


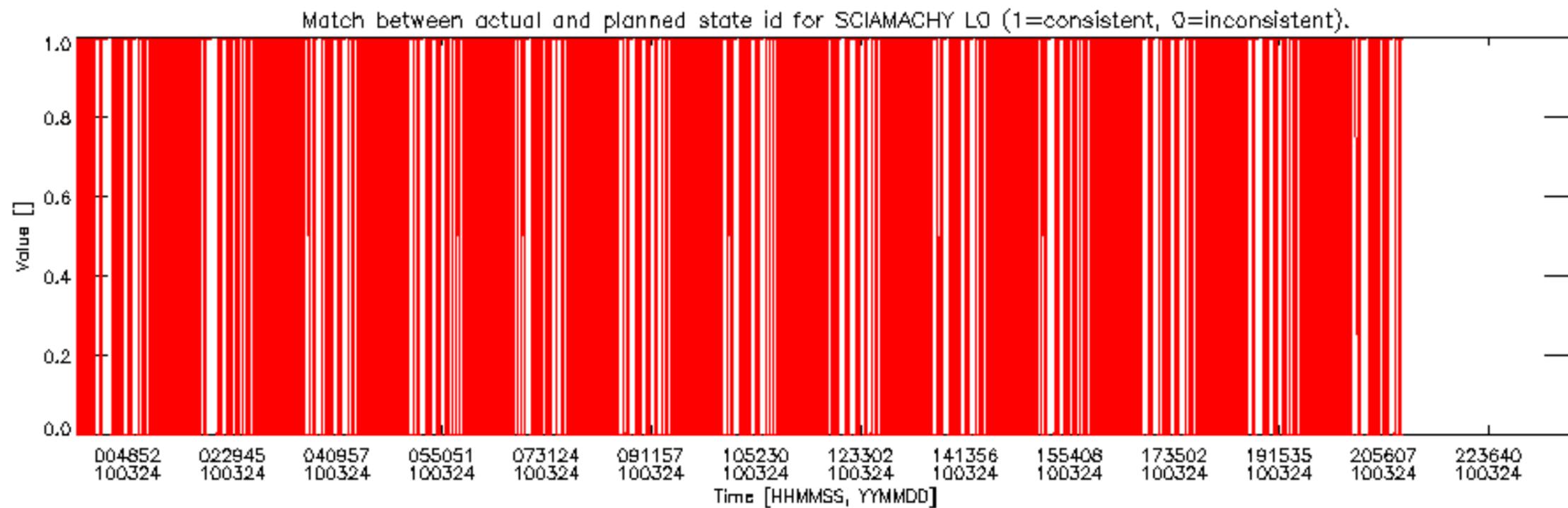
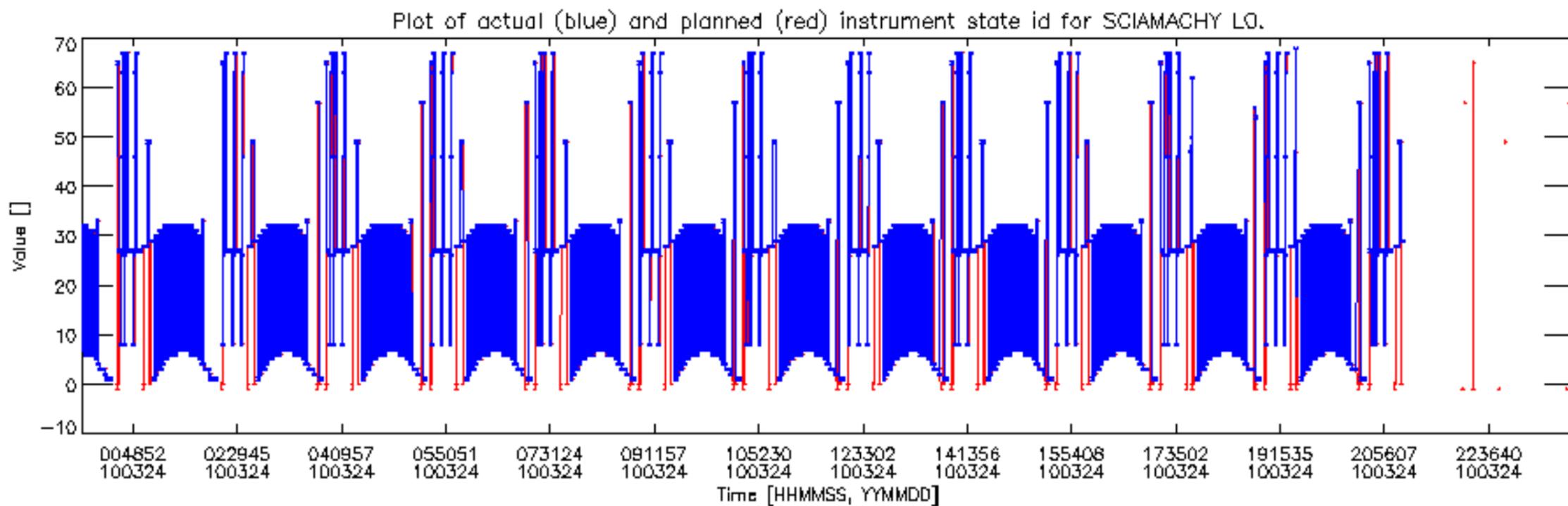












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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