

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	16APR2010 02:28:40
Data source version	<Any version>
Processing scope for products	09APR2010 00:00:00 to 10APR2010 00:00:00
Start time of first product within scope	09APR2010 00:34:01
Stop time of last product within scope	10APR2010 00:02:16
Total number of Level 0 products	14
Number of Level 0 products with errors	0

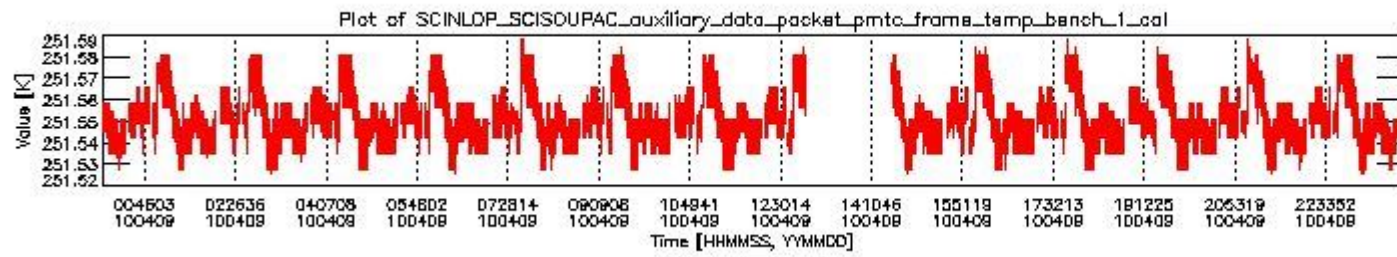
0.1.2 Summary per product

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

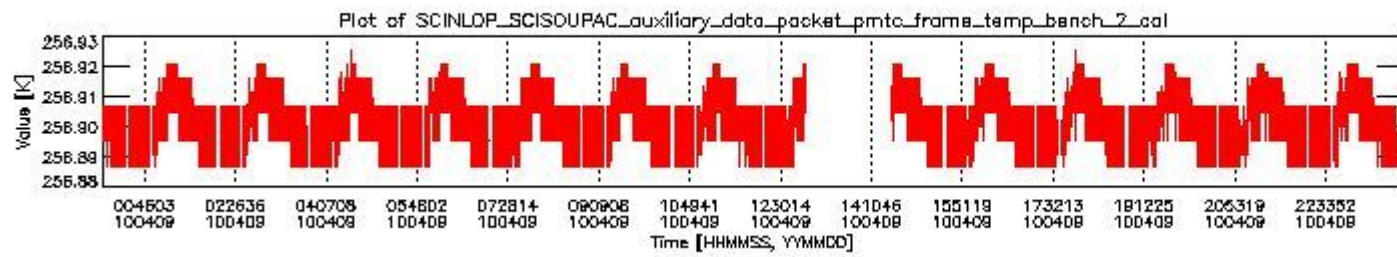
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100409_003401_000058562088_00245_42383_1238.N1	09APR2010 00:34:01	09APR2010 02:11:37	0	0	0	0	0
1	SCI_NL__OPNPDE20100409_021020_000045732088_00246_42384_1239.N1	09APR2010 02:10:20	09APR2010 03:26:33	0	0	0	0	0
2	SCI_NL__OPNPDE20100409_032524_000062162088_00247_42385_1240.N1	09APR2010 03:25:24	09APR2010 05:09:00	0	0	0	0	0
3	SCI_NL__OPNPDE20100409_050804_000060362088_00248_42386_1241.N1	09APR2010 05:08:04	09APR2010 06:48:40	0	0	0	0	0
4	SCI_NL__OPNPDK20100409_064840_000041012088_00249_42387_1083.N1	09APR2010 06:48:40	09APR2010 07:57:00	0	0	0	0	0
5	SCI_NL__OPNPDK20100409_075604_000061602088_00250_42388_1084.N1	09APR2010 07:56:04	09APR2010 09:38:44	0	0	0	0	0
6	SCI_NL__OPNPDK20100409_093748_000059672088_00251_42389_1085.N1	09APR2010 09:37:48	09APR2010 11:17:15	0	0	0	0	0
7	SCI_NL__OPNPDK20100409_111607_000061042088_00252_42390_1086.N1	09APR2010 11:16:07	09APR2010 12:57:51	0	0	0	0	0
8	SCI_NL__OPNPDK20100409_143309_000059802088_00254_42392_1088.N1	09APR2010 14:33:09	09APR2010 16:12:49	0	0	0	0	0
9	SCI_NL__OPNPDK20100409_161044_000059632088_00255_42393_1089.N1	09APR2010 16:10:44	09APR2010 17:50:07	0	0	0	0	0
10	SCI_NL__OPNPDK20100409_174911_000058922088_00256_42394_1090.N1	09APR2010 17:49:11	09APR2010 19:27:23	0	0	0	0	0
11	SCI_NL__OPNPDK20100409_192606_000062612088_00257_42395_1091.N1	09APR2010 19:26:06	09APR2010 21:10:26	0	0	0	0	0
12	SCI_NL__OPNPDE20100409_210835_000043372088_00258_42396_1242.N1	09APR2010 21:08:35	09APR2010 22:20:52	0	0	0	0	0
13	SCI_NL__OPNPDE20100409_221929_000061672088_00258_42396_1243.N1	09APR2010 22:19:29	10APR2010 00:02:16	0	0	0	0	0

0.2 Product Quality Indicators

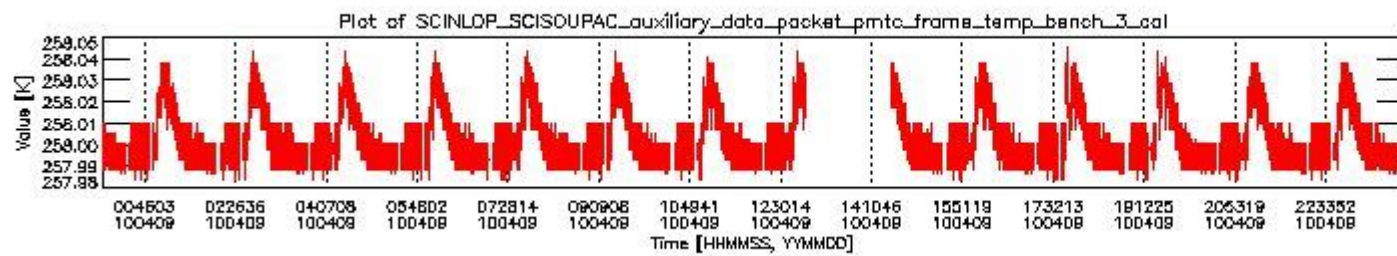
This section shows information about product quality, currently temperatures.



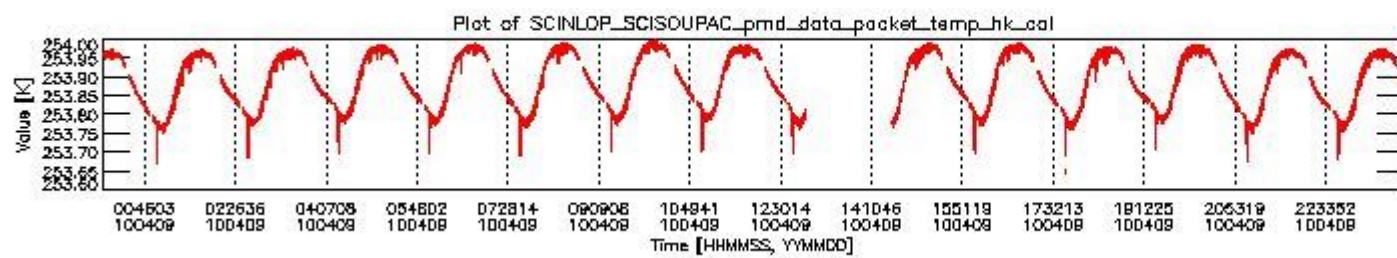
sciamachy_daily_report_level0_Any_version_20100409_0.PNG



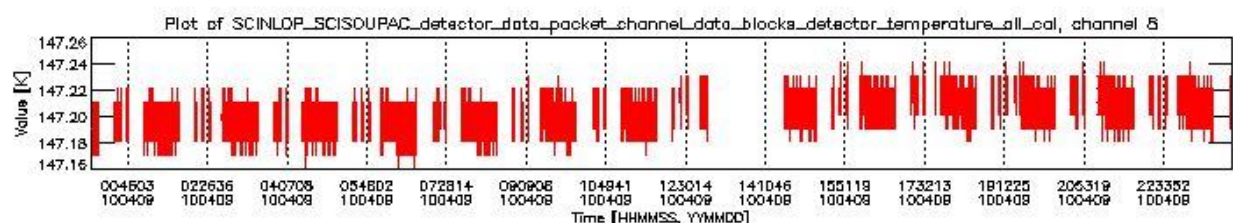
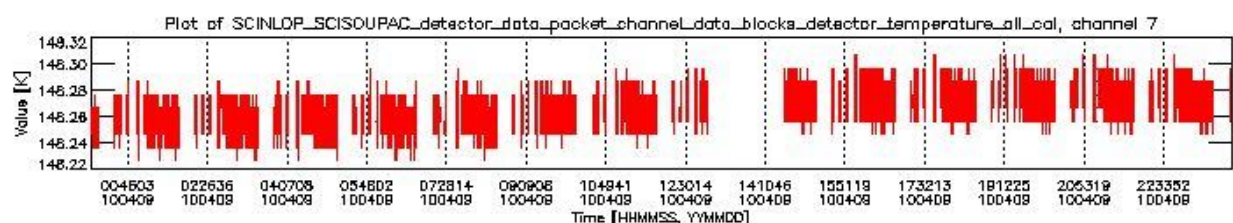
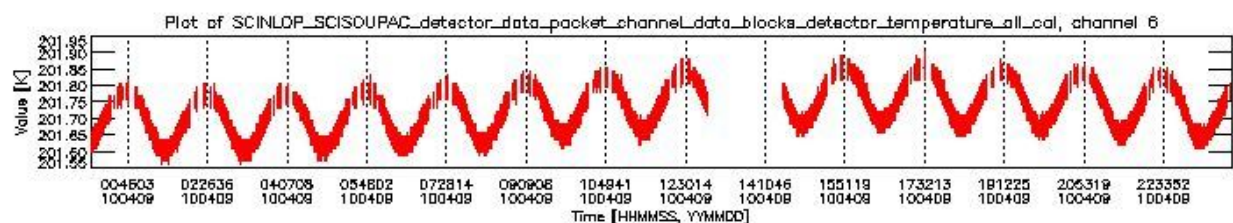
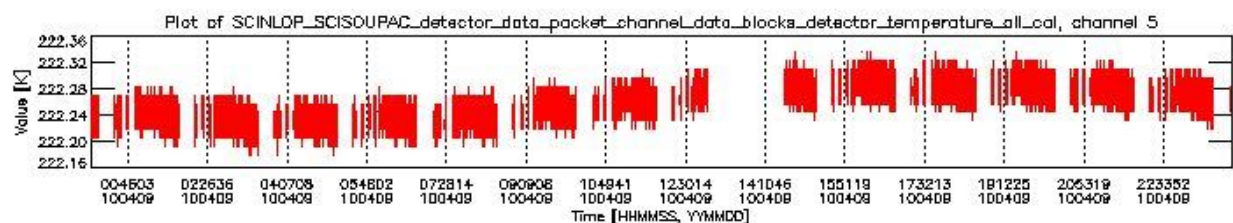
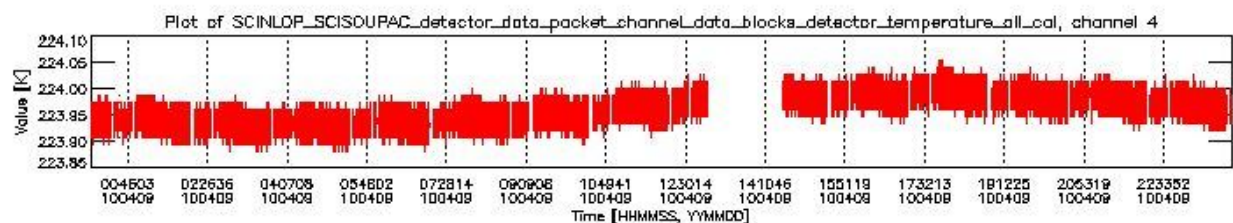
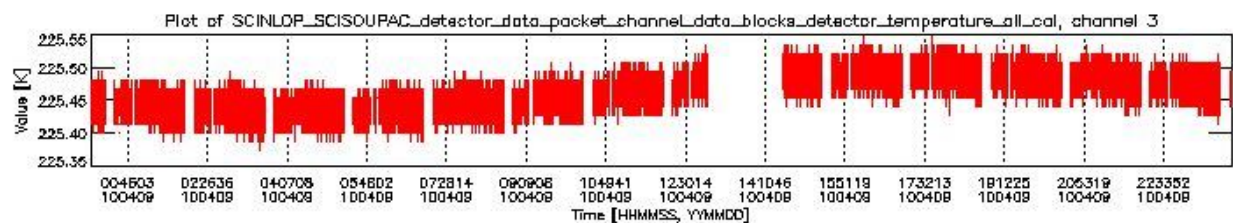
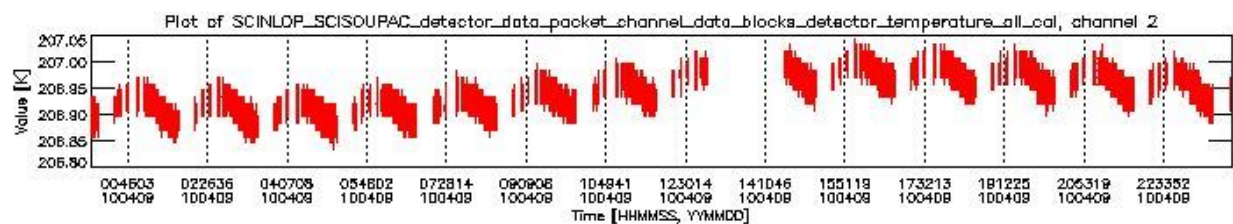
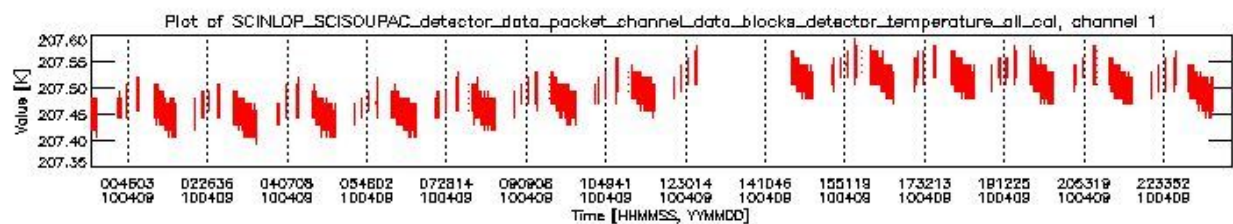
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sciamachy_daily_report_level0_Any_version_20100409_2.PNG



sciamachy_daily_report_level0_Any_version_20100409_3.PNG

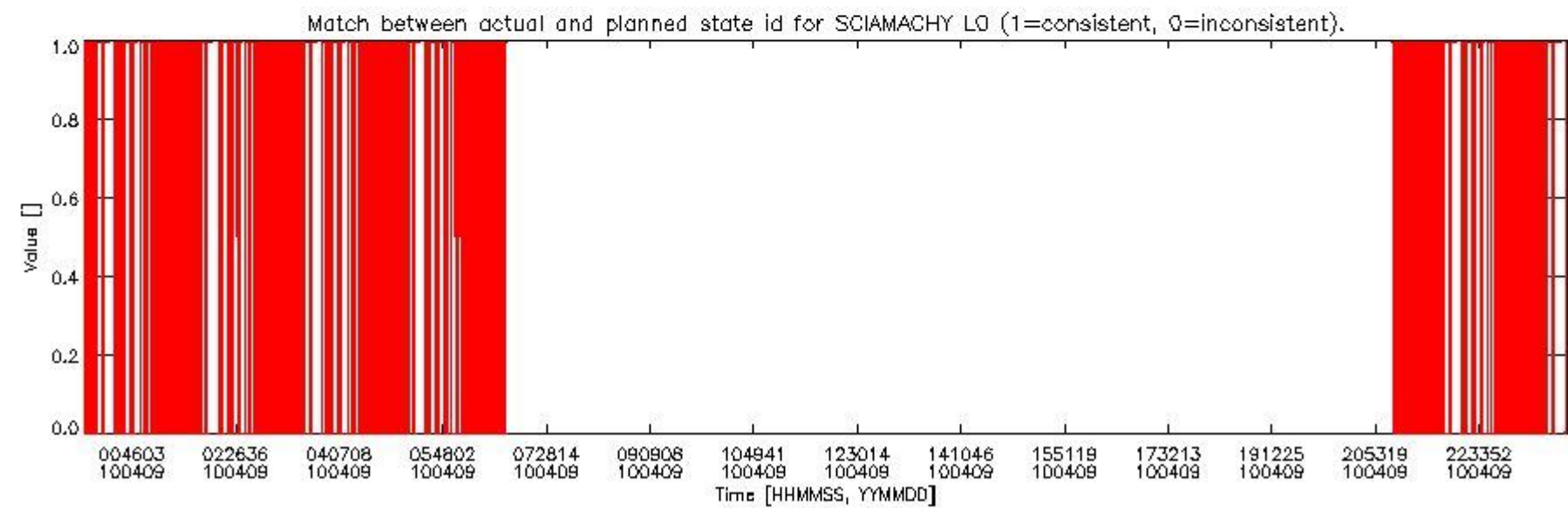
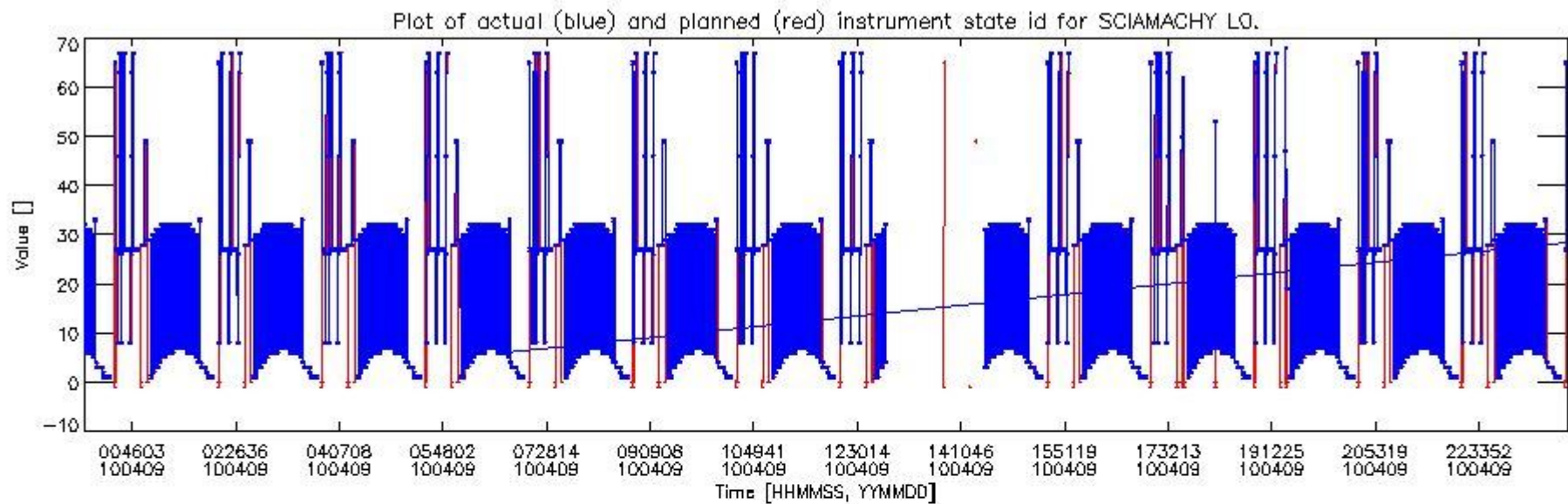


0.3 State monitoring

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: **36442**

#	Actual time	Actual value	Planned time	Planned value
0	09APR2010 00:00:04.840279	6	09APR2010 00:00:04.840279	32
1	09APR2010 00:00:05.215279	6	09APR2010 00:00:05.215279	32
2	09APR2010 00:00:05.465279	6	09APR2010 00:00:05.465279	32
3	09APR2010 00:00:05.715279	6	09APR2010 00:00:05.715279	32
4	09APR2010 00:00:05.965279	6	09APR2010 00:00:05.965279	32
5	09APR2010 00:00:06.215279	6	09APR2010 00:00:06.215279	32
6	09APR2010 00:00:06.465279	6	09APR2010 00:00:06.465279	32
7	09APR2010 00:00:06.715279	6	09APR2010 00:00:06.715279	32
8	09APR2010 00:00:06.965279	6	09APR2010 00:00:06.965279	32
9	09APR2010 00:00:07.215279	6	09APR2010 00:00:07.215279	32
10	09APR2010 00:00:07.465279	6	09APR2010 00:00:07.465279	32
11	09APR2010 00:00:07.715279	6	09APR2010 00:00:07.715279	32
12	09APR2010 00:00:07.965279	6	09APR2010 00:00:07.965279	32
13	09APR2010 00:00:08.215279	6	09APR2010 00:00:08.215279	32
14	09APR2010 00:00:08.465279	6	09APR2010 00:00:08.465279	32
15	09APR2010 00:00:08.715279	6	09APR2010 00:00:08.715279	32
16	09APR2010 00:00:08.965279	6	09APR2010 00:00:08.965279	32
17	09APR2010 00:00:09.215279	6	09APR2010 00:00:09.215279	32
18	09APR2010 00:00:09.465279	6	09APR2010 00:00:09.465279	32
19	09APR2010 00:00:09.715279	6	09APR2010 00:00:09.715279	32

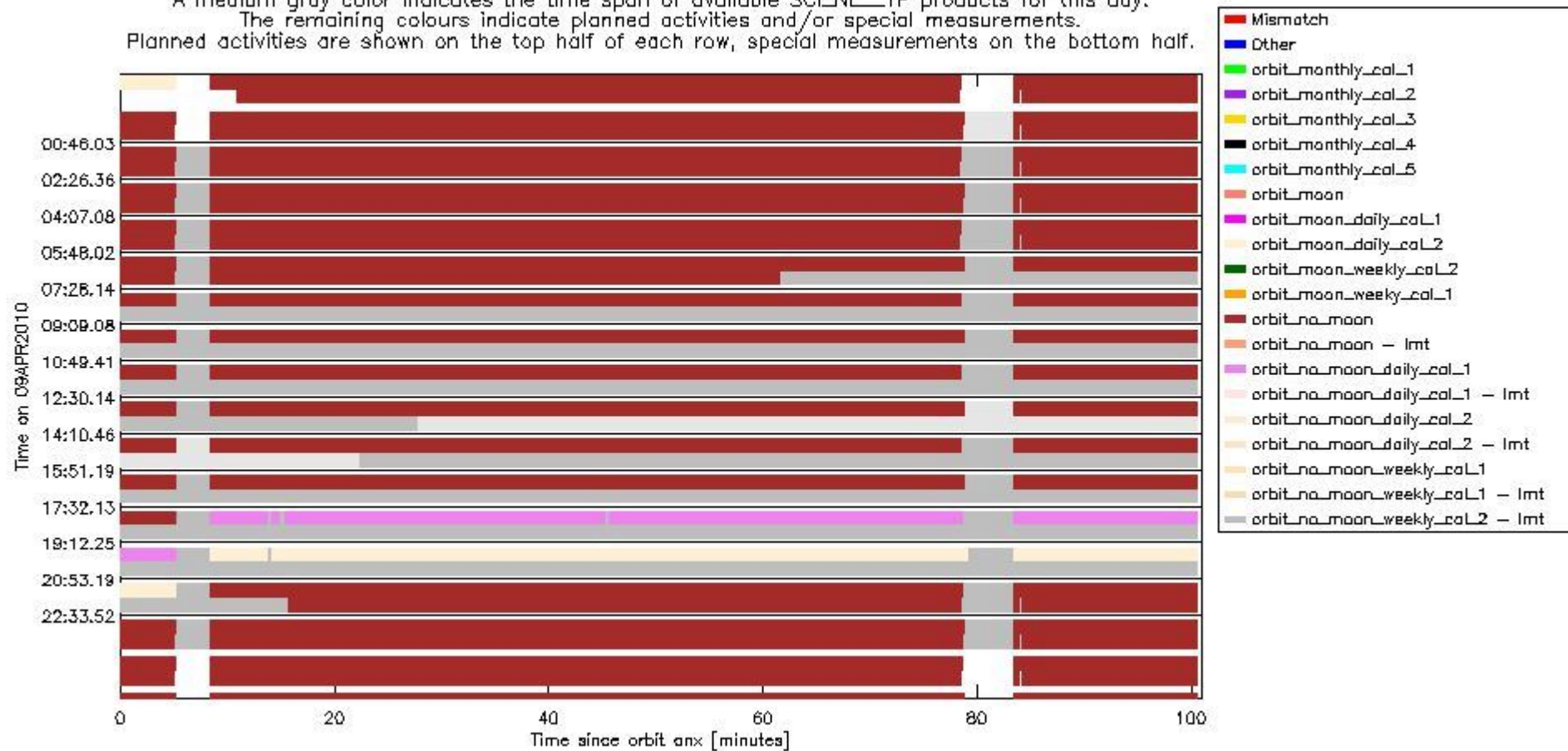


sciamachy_daily_report_level0_Any_version_20100409_5.PNG

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 09APR2010.
 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_20100409_6.PNG

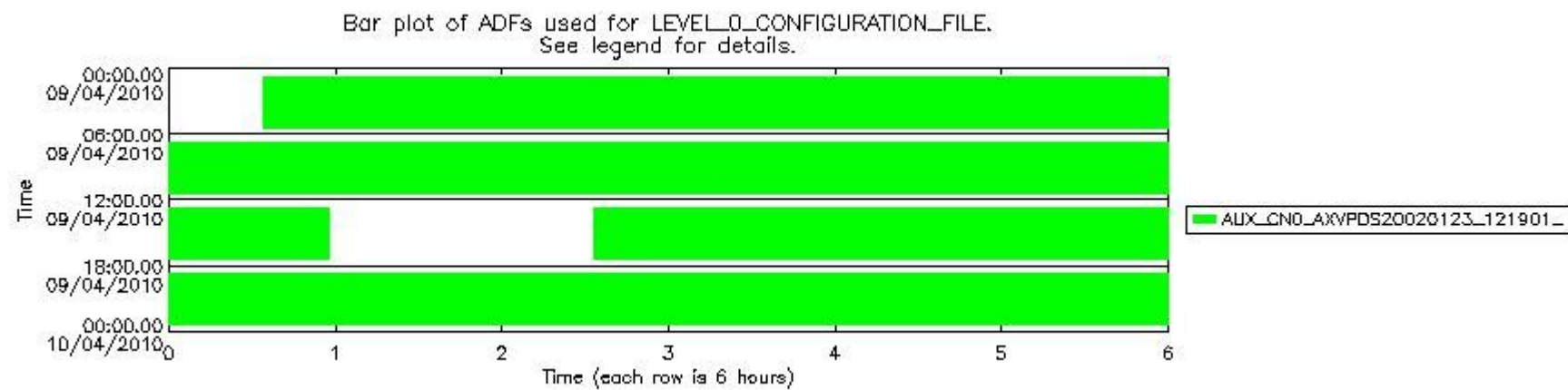
0.4 ADF monitoring

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

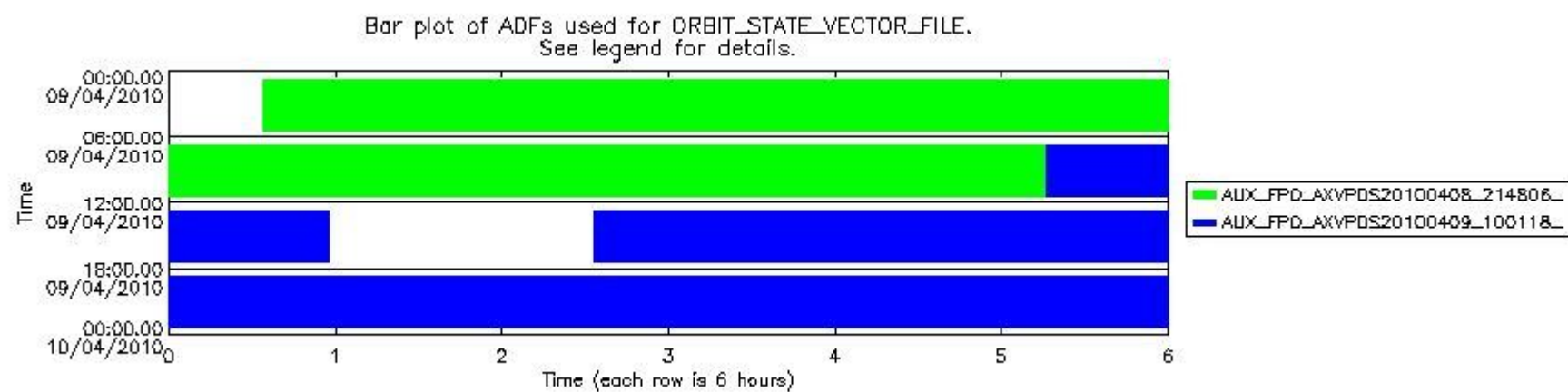
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

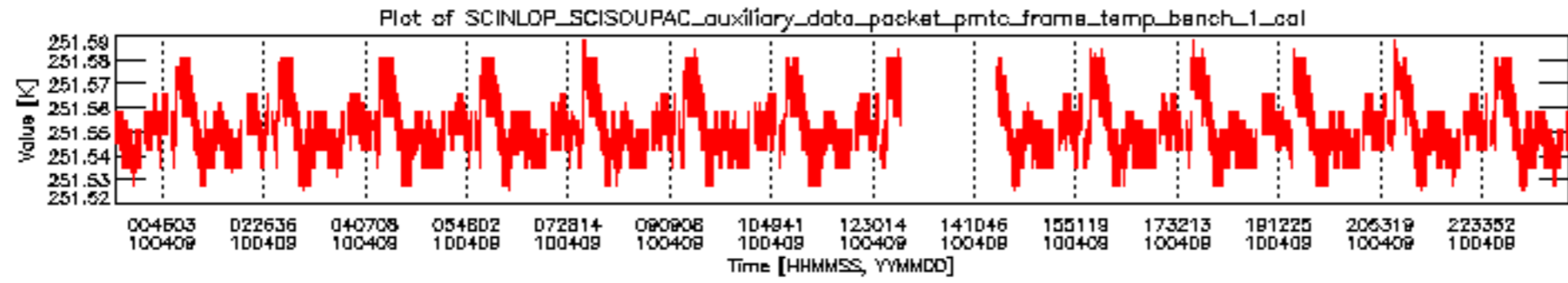
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100408_214806_20100407_183517_20100417_200129
2	AUX_FPO_AXVPDS20100409_100118_20100408_194416_20100418_211027

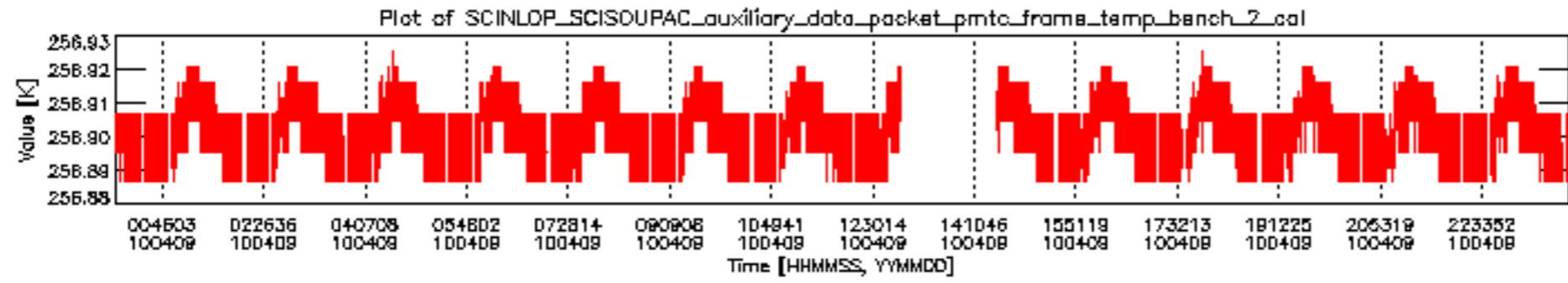


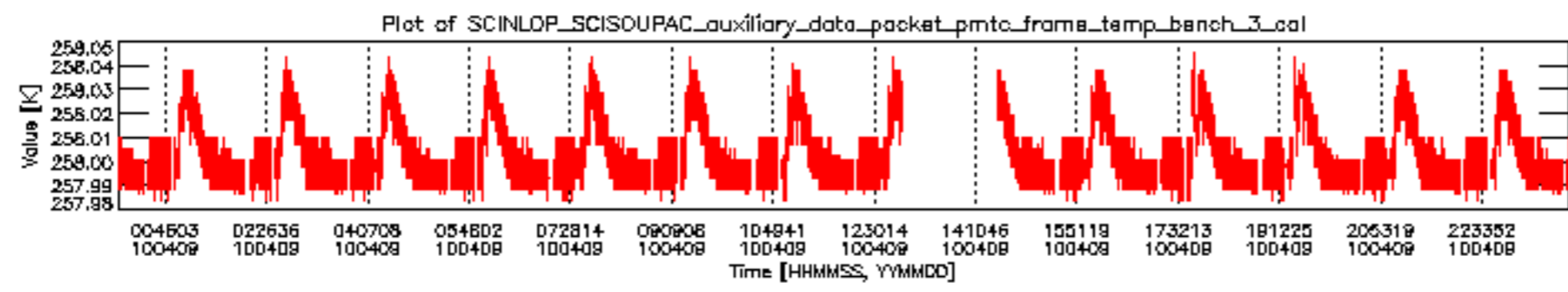
sciamachy_daily_report_level0_Any_version_20100409_7.PNG

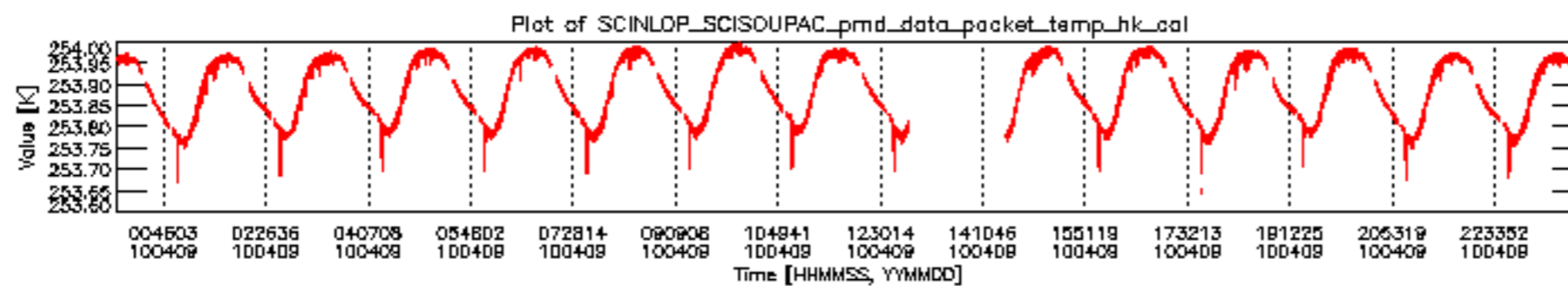


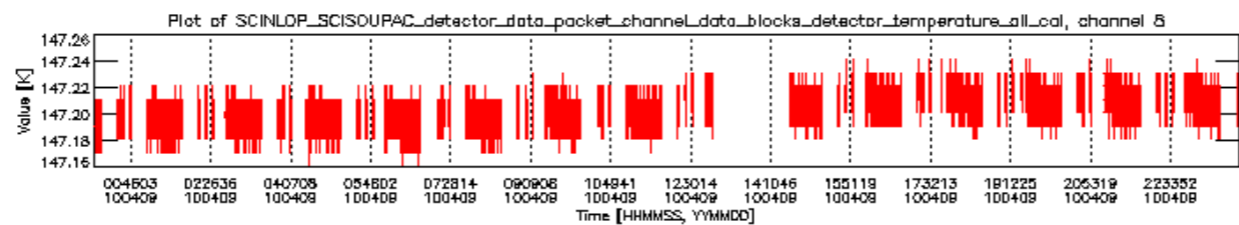
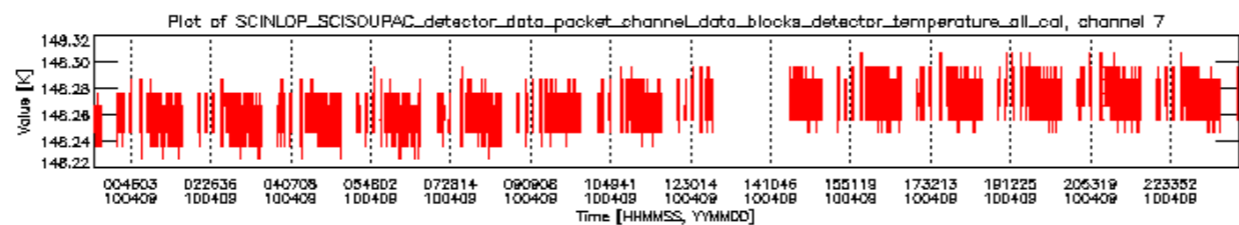
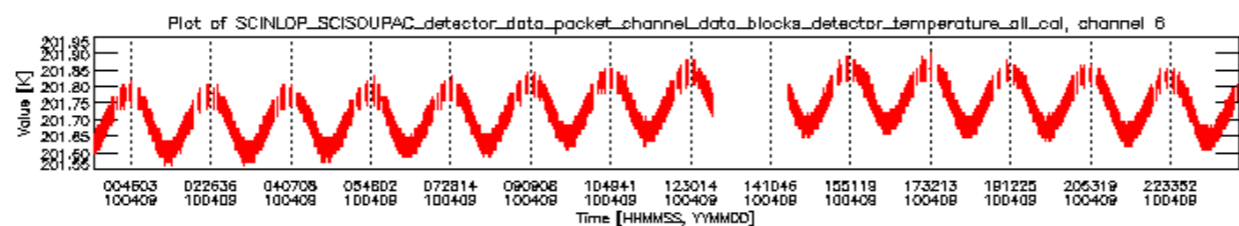
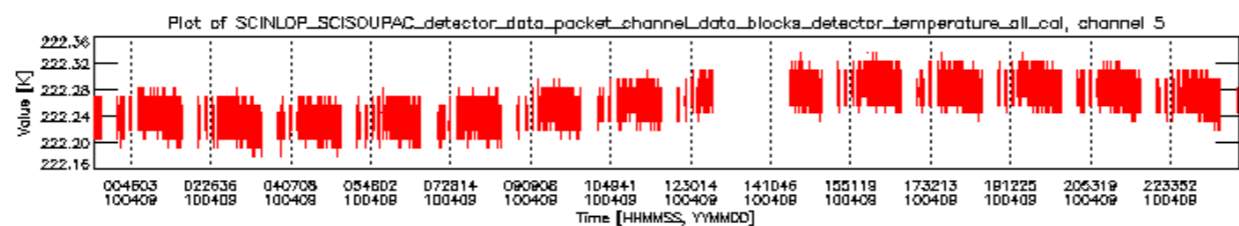
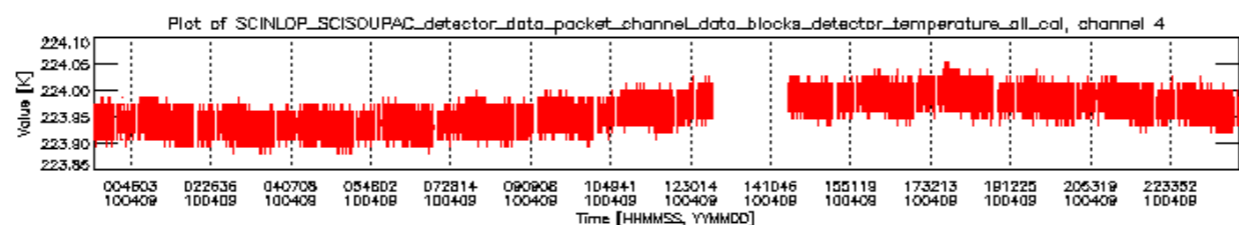
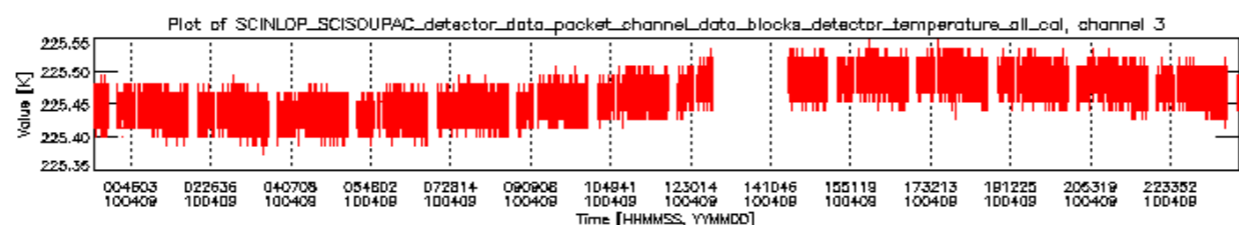
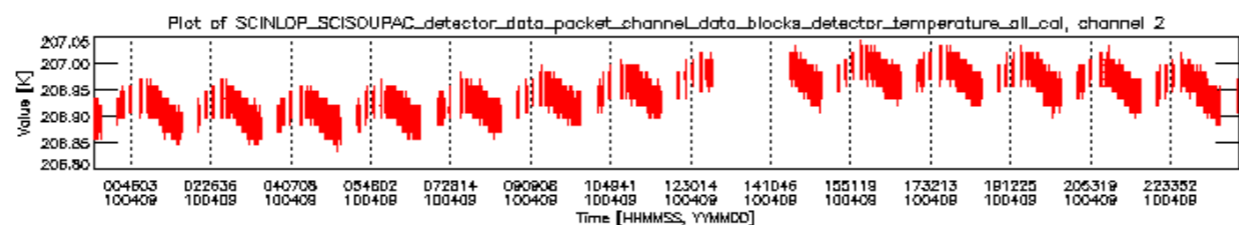
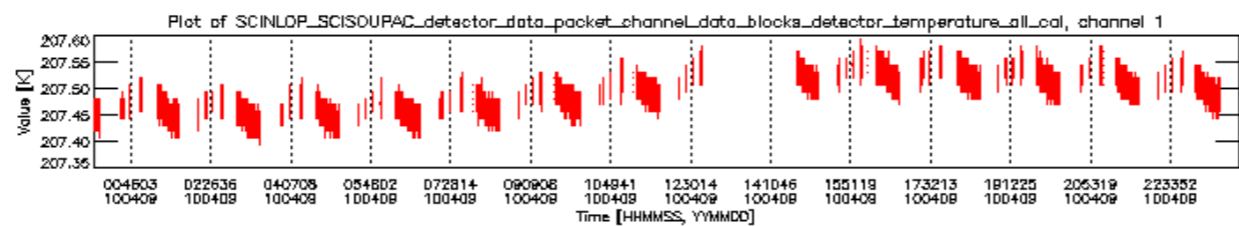
sciamachy_daily_report_level0_Any_version_20100409_8.PNG











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