

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	11APR2010 01:21:29
Data source version	<Any version>
Processing scope for products	04APR2010 00:00:00 to 05APR2010 00:00:00
Start time of first product within scope	04APR2010 01:29:56
Stop time of last product within scope	05APR2010 01:01:03
Total number of Level 0 products	15
Number of Level 0 products with errors	0

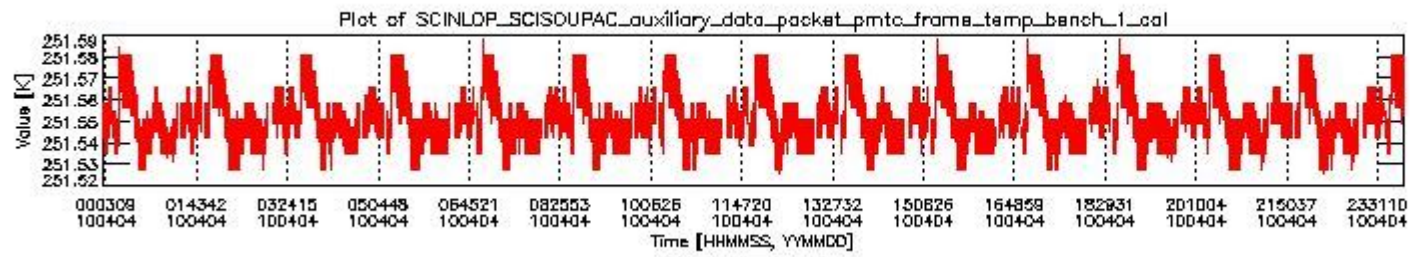
0.1.2 Summary per product

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

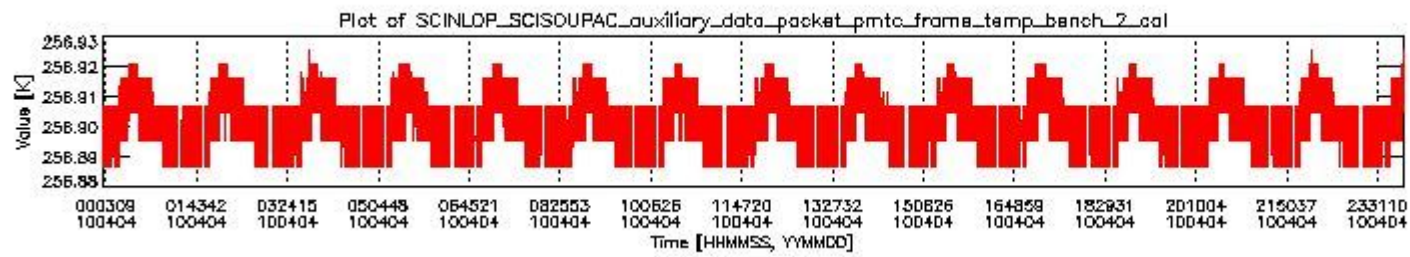
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100404_012956_000043712088_00174_42312_1207.N1	04APR2010 01:29:56	04APR2010 02:42:47	0	0	0	0	0
1	SCI_NL__OPNPDE20100404_024151_000062162088_00175_42313_1208.N1	04APR2010 02:41:51	04APR2010 04:25:27	0	0	0	0	0
2	SCI_NL__OPNPDE20100404_042527_000060362088_00176_42314_1209.N1	04APR2010 04:25:27	04APR2010 06:06:03	0	0	0	0	0
3	SCI_NL__OPNPDK20100404_060507_000041562088_00177_42315_1040.N1	04APR2010 06:05:07	04APR2010 07:14:23	0	0	0	0	0
4	SCI_NL__OPNPDK20100404_071327_000061042088_00178_42316_1041.N1	04APR2010 07:13:27	04APR2010 08:55:11	0	0	0	0	0
5	SCI_NL__OPNPDK20100404_085403_000060352088_00179_42317_1042.N1	04APR2010 08:54:03	04APR2010 10:34:38	0	0	0	0	0
6	SCI_NL__OPNPDK20100404_103330_000061042088_00180_42318_1043.N1	04APR2010 10:33:30	04APR2010 12:15:14	0	0	0	0	0
7	SCI_NL__OPNPDK20100404_121418_000058982088_00181_42319_1044.N1	04APR2010 12:14:18	04APR2010 13:52:36	0	0	0	0	0
8	SCI_NL__OPNPDK20100404_135236_000057992088_00182_42320_1045.N1	04APR2010 13:52:36	04APR2010 15:29:16	0	0	0	0	0
9	SCI_NL__OPNPDK20100404_152807_000058762088_00183_42321_1046.N1	04APR2010 15:28:07	04APR2010 17:06:03	0	0	0	0	0
10	SCI_NL__OPNPDK20100404_170508_000060362088_00184_42322_1047.N1	04APR2010 17:05:08	04APR2010 18:45:43	0	0	0	0	0
11	SCI_NL__OPNPDK20100404_184407_000061672088_00185_42323_1048.N1	04APR2010 18:44:07	04APR2010 20:26:53	0	0	0	0	0
12	SCI_NL__OPNPDE20100404_202502_000044032088_00186_42324_1210.N1	04APR2010 20:25:02	04APR2010 21:38:25	0	0	0	0	0
13	SCI_NL__OPNPDE20100404_213701_000061342088_00186_42324_1211.N1	04APR2010 21:37:01	04APR2010 23:19:15	0	0	0	0	0
14	SCI_NL__OPNPDE20100404_231828_000061552088_00187_42325_1212.N1	04APR2010 23:18:28	05APR2010 01:01:03	0	0	0	0	0

0.2 Product Quality Indicators

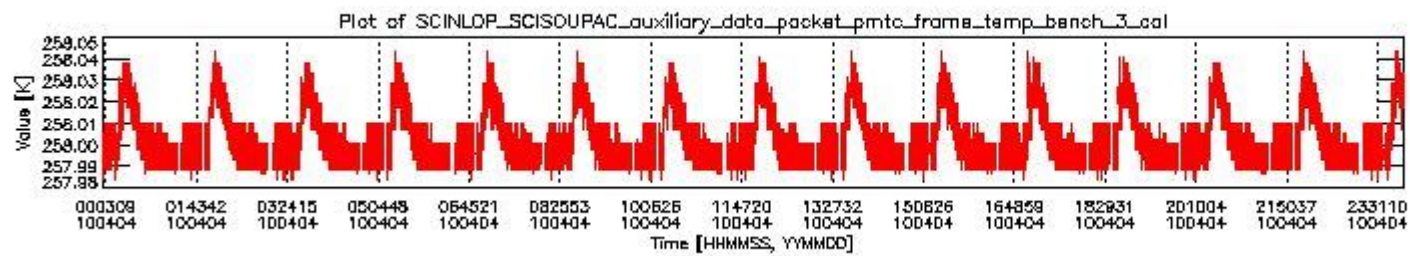
This section shows information about product quality, currently temperatures.



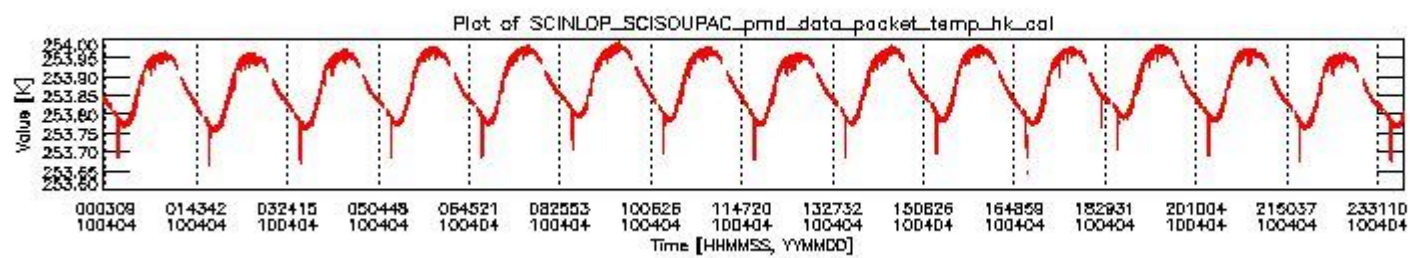
sciamachy_daily_report_level0_Any_version_20100404_0.PNG



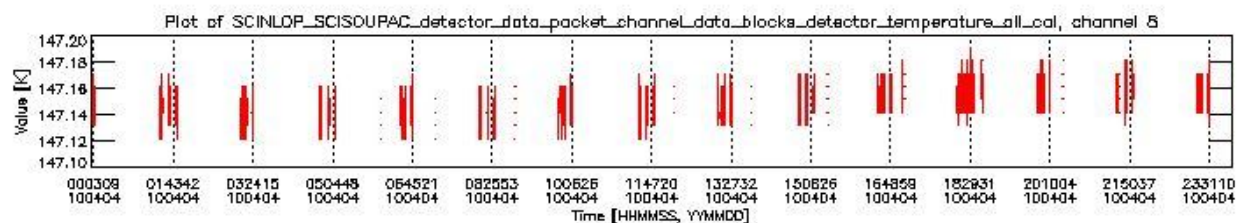
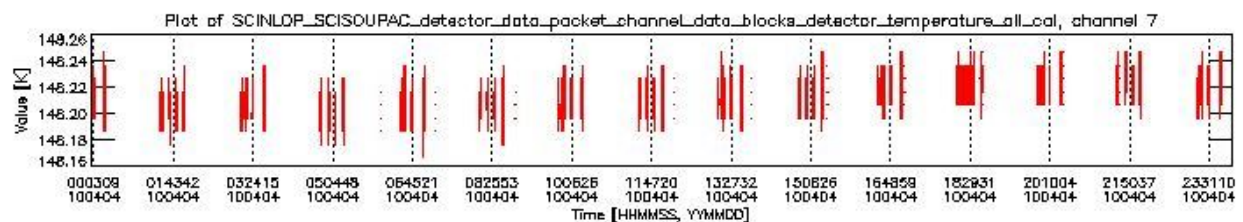
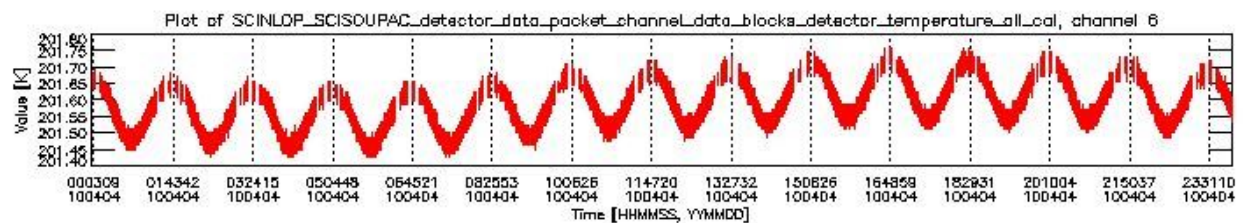
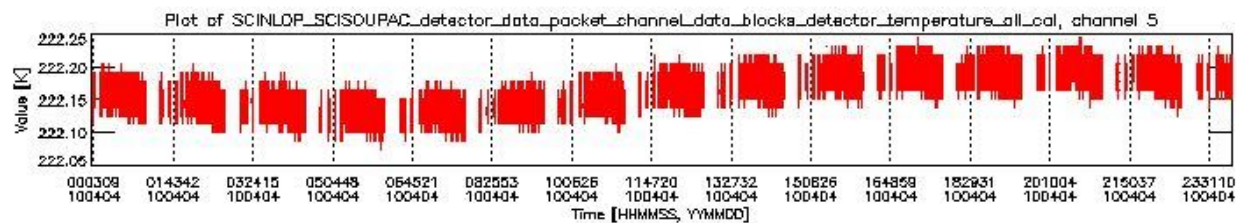
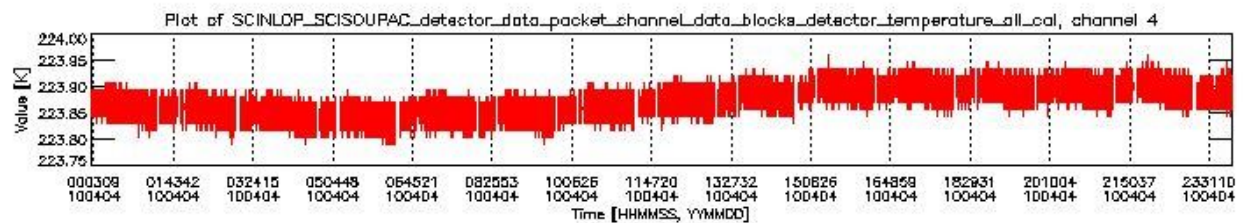
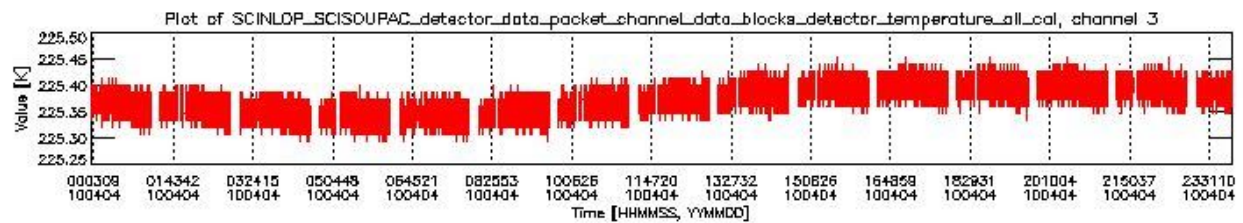
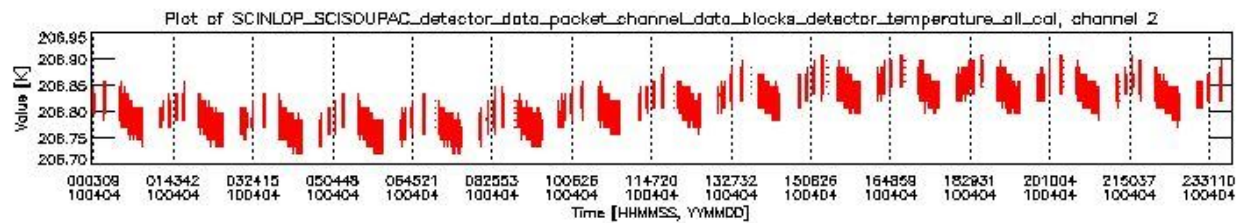
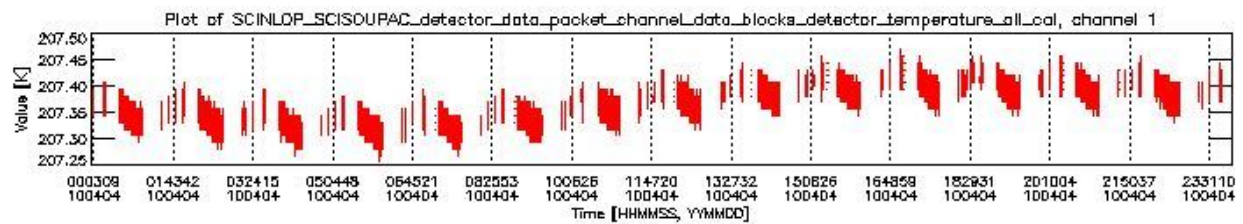
sciamachy_daily_report_level0_Any_version_20100404_1.PNG



sciamachy_daily_report_level0_Any_version_20100404_2.PNG



sciamachy_daily_report_level0_Any_version_20100404_3.PNG

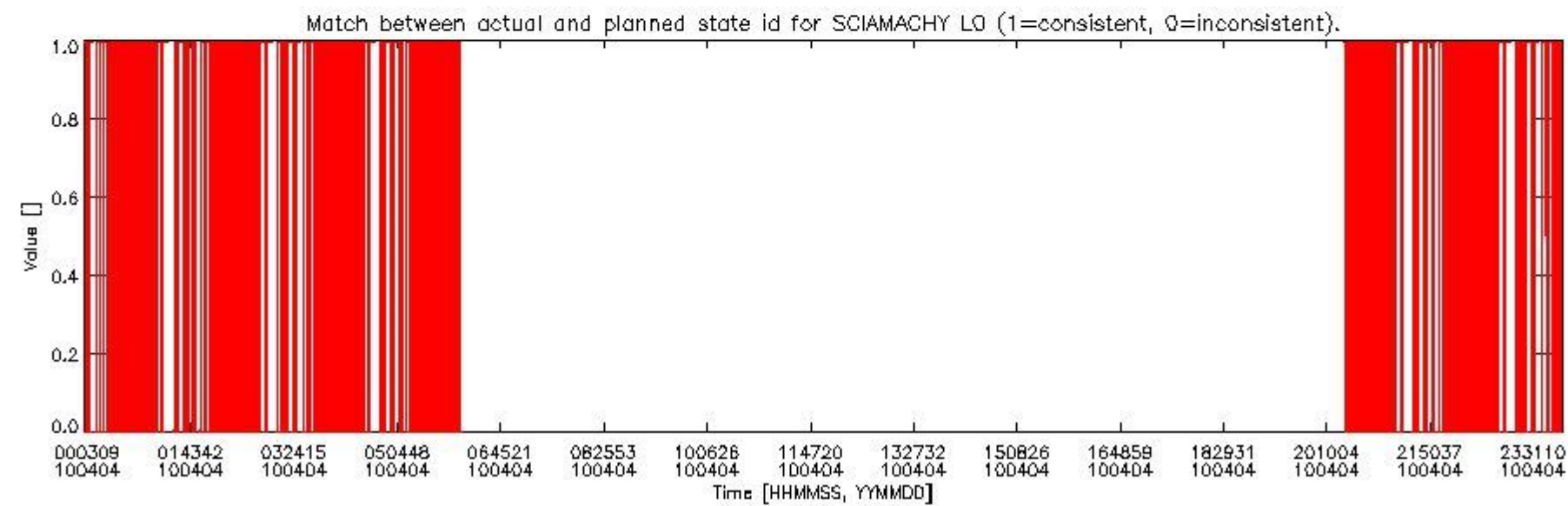
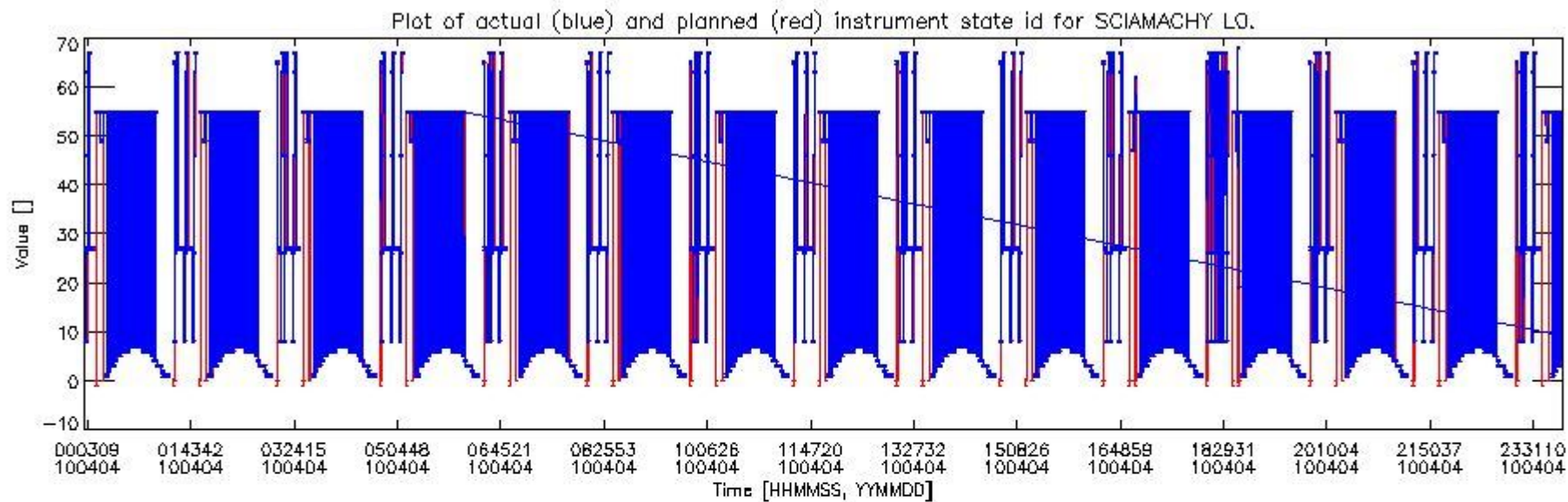


0.3 State monitoring

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: **35769**

#	Actual time	Actual value	Planned time	Planned value
0	04APR2010 00:01:33.434906	8	04APR2010 00:01:33.434906	27
1	04APR2010 00:01:34.559906	8	04APR2010 00:01:34.559906	27
2	04APR2010 00:01:35.559906	8	04APR2010 00:01:35.559906	27
3	04APR2010 00:01:36.559906	8	04APR2010 00:01:36.559906	27
4	04APR2010 00:01:37.559906	8	04APR2010 00:01:37.559906	27
5	04APR2010 00:01:38.434906	8	04APR2010 00:01:38.434906	27
6	04APR2010 00:01:38.559906	8	04APR2010 00:01:38.559906	27
7	04APR2010 00:01:39.559906	8	04APR2010 00:01:39.559906	27
8	04APR2010 00:01:40.559906	8	04APR2010 00:01:40.559906	27
9	04APR2010 00:01:41.559906	8	04APR2010 00:01:41.559906	27
10	04APR2010 00:01:42.559906	8	04APR2010 00:01:42.559906	27
11	04APR2010 00:01:43.434906	8	04APR2010 00:01:43.434906	27
12	04APR2010 00:01:43.559906	8	04APR2010 00:01:43.559906	27
13	04APR2010 00:01:44.559906	8	04APR2010 00:01:44.559906	27
14	04APR2010 00:01:45.559906	8	04APR2010 00:01:45.559906	27
15	04APR2010 00:01:46.559906	8	04APR2010 00:01:46.559906	27
16	04APR2010 00:01:47.559906	8	04APR2010 00:01:47.559906	27
17	04APR2010 00:01:48.434906	8	04APR2010 00:01:48.434906	27
18	04APR2010 00:01:48.559906	8	04APR2010 00:01:48.559906	27
19	04APR2010 00:01:49.559906	8	04APR2010 00:01:49.559906	27

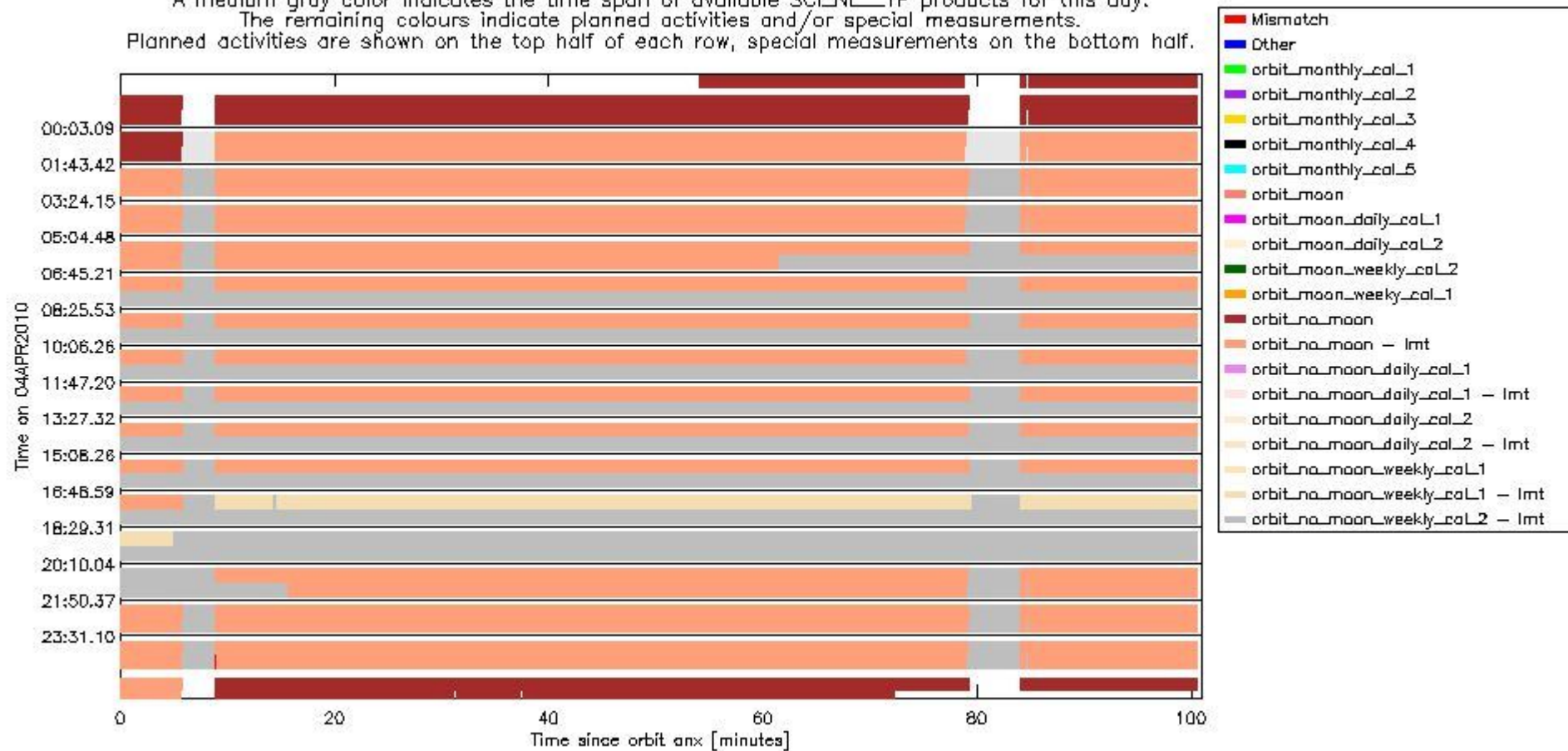


sciamachy_daily_report_level0_Any_version_20100404_5.PNG

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 04APR2010.
 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_20100404_6.PNG

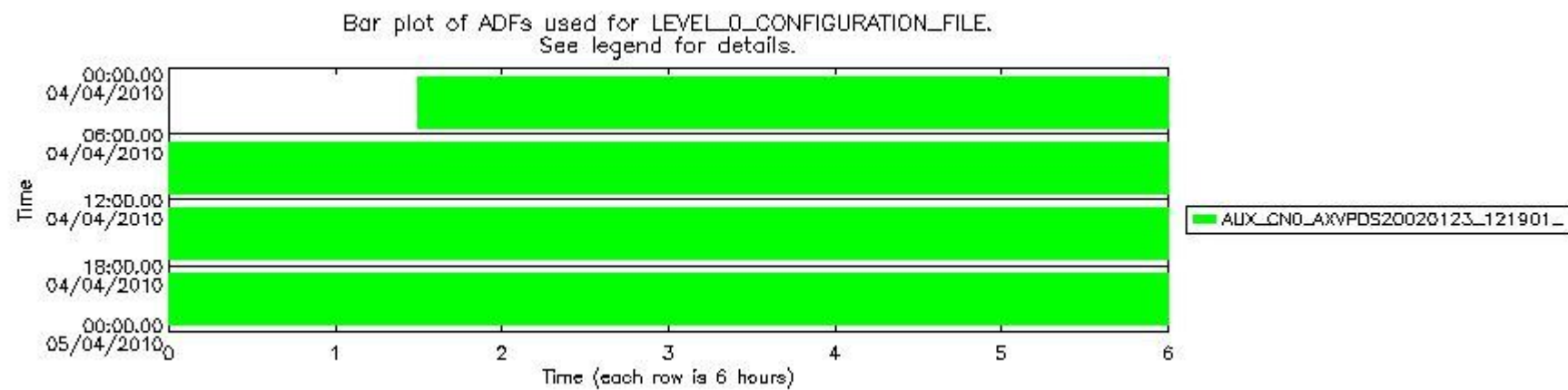
0.4 ADF monitoring

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

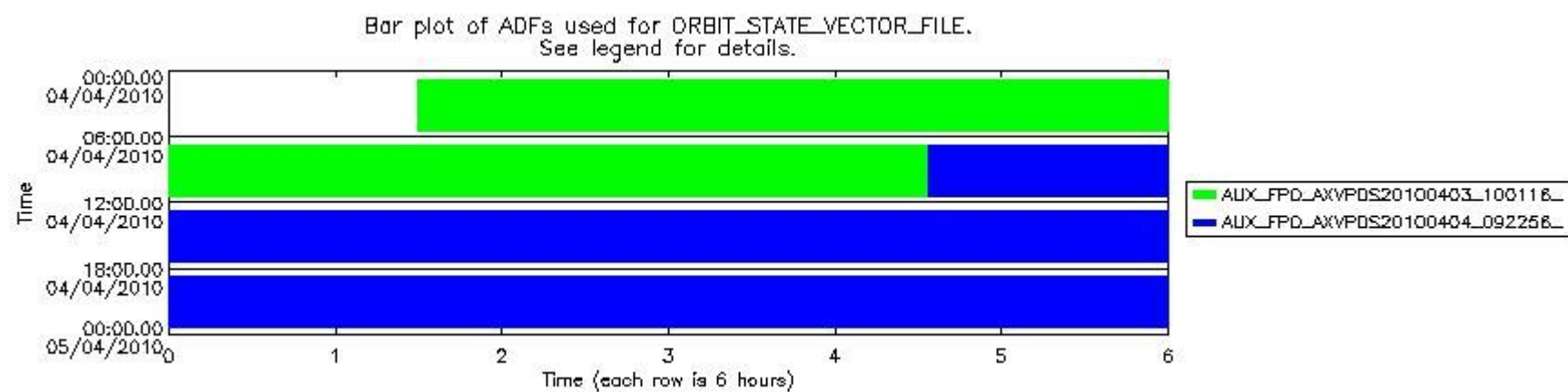
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

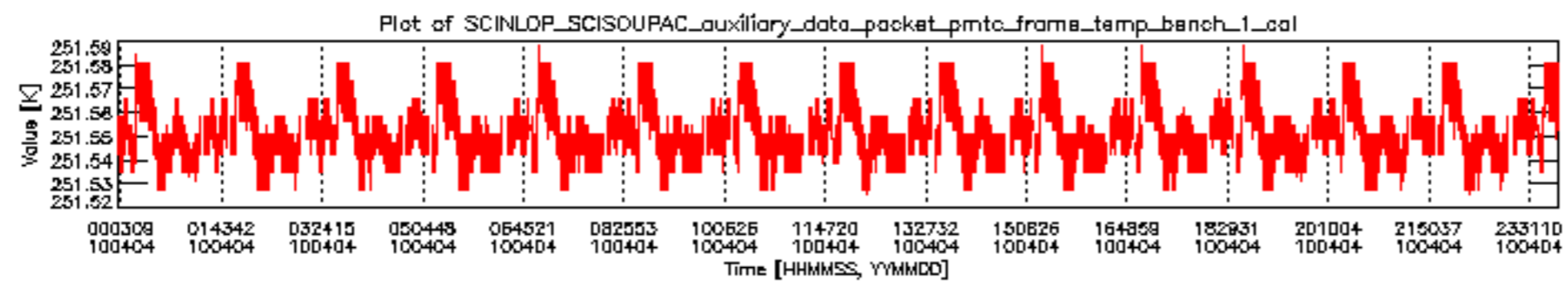
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100403_100116_20100402_193246_20100412_205859
2	AUX_FPO_AXVPDS20100404_092256_20100403_190109_20100413_202722

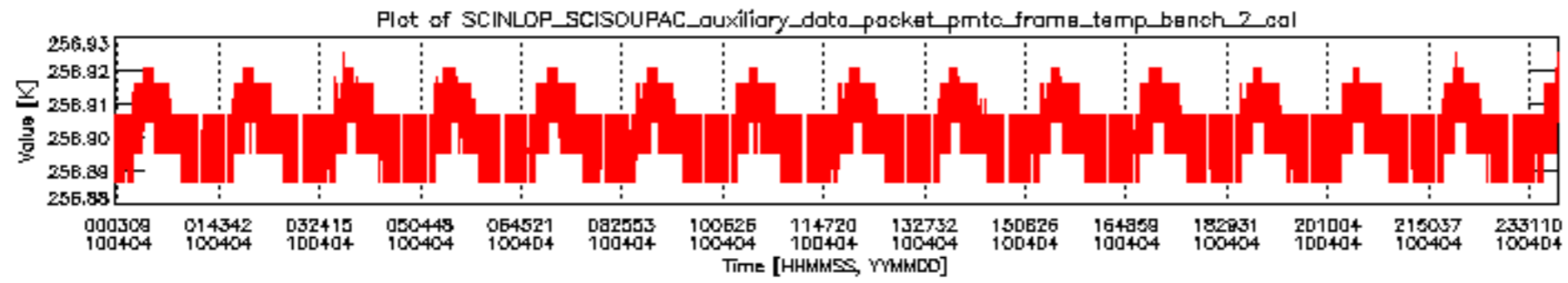


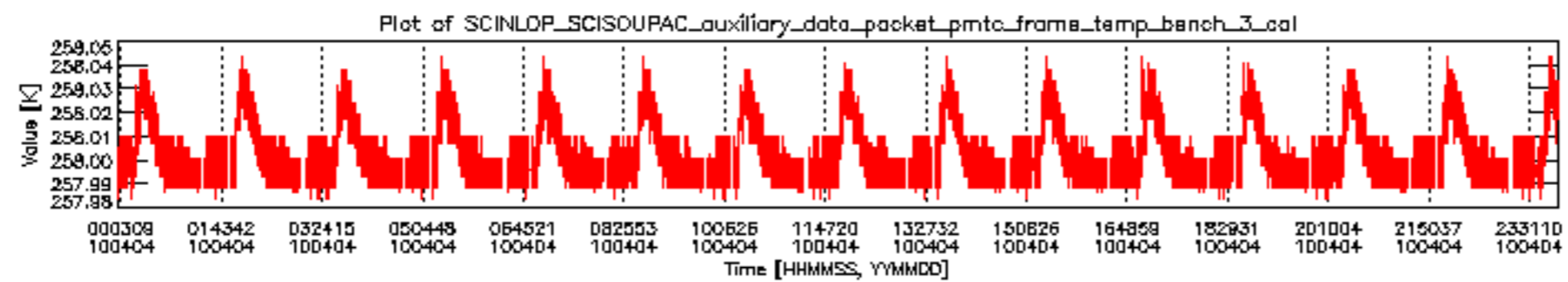
sciamachy_daily_report_level0_Any_version_20100404_7.PNG

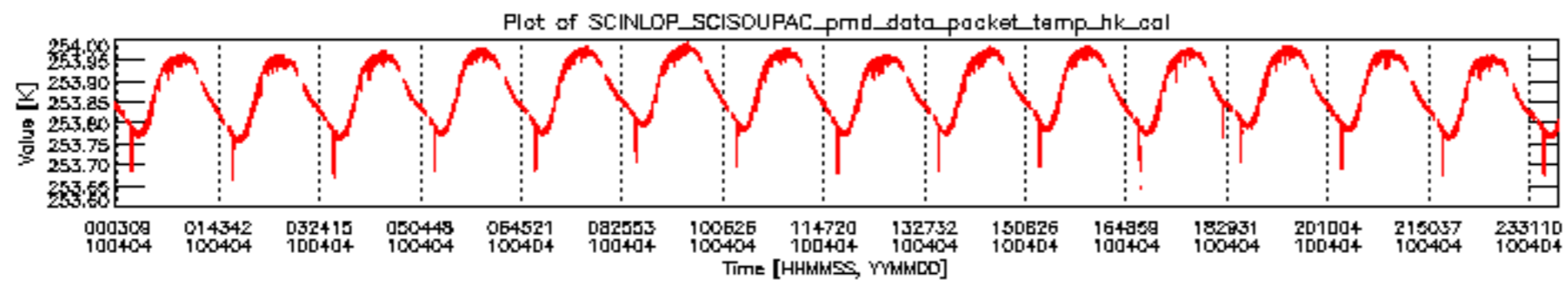


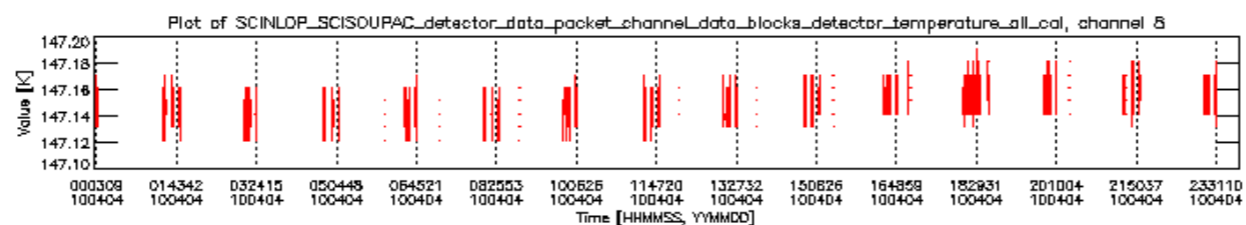
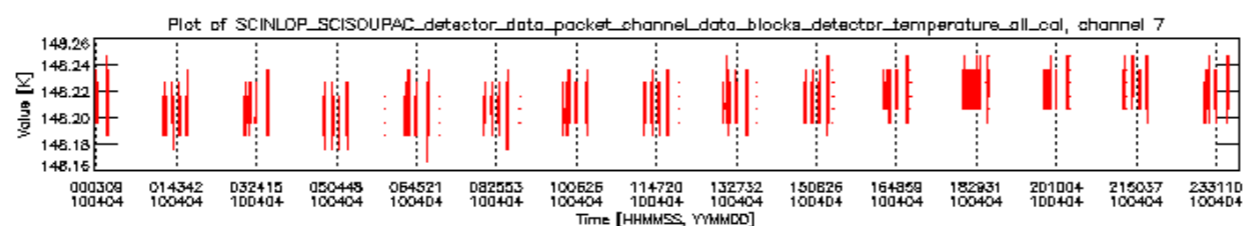
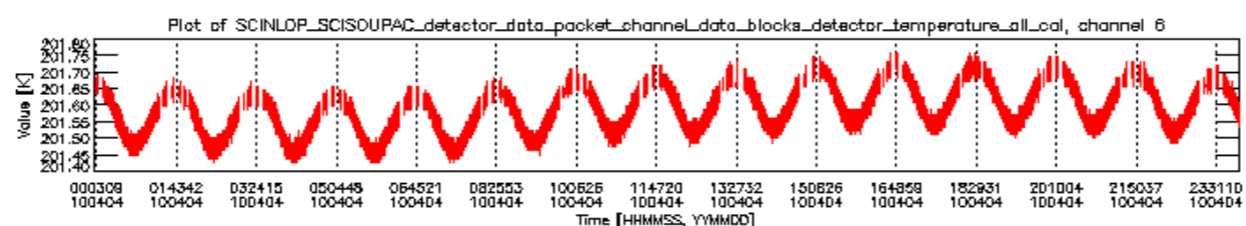
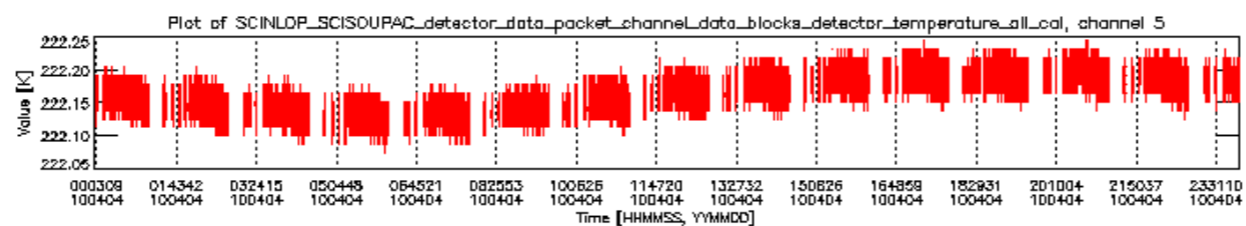
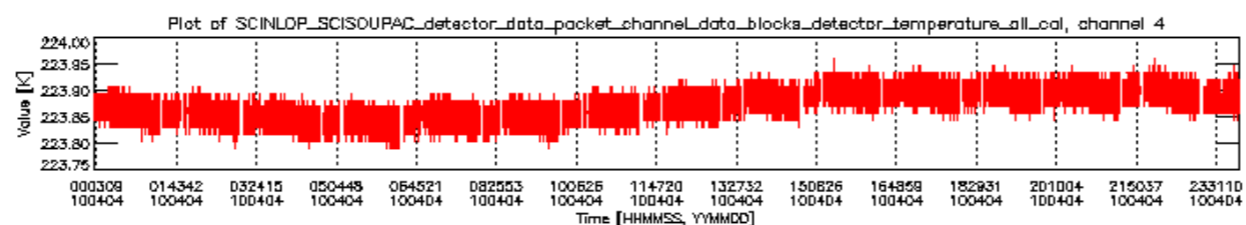
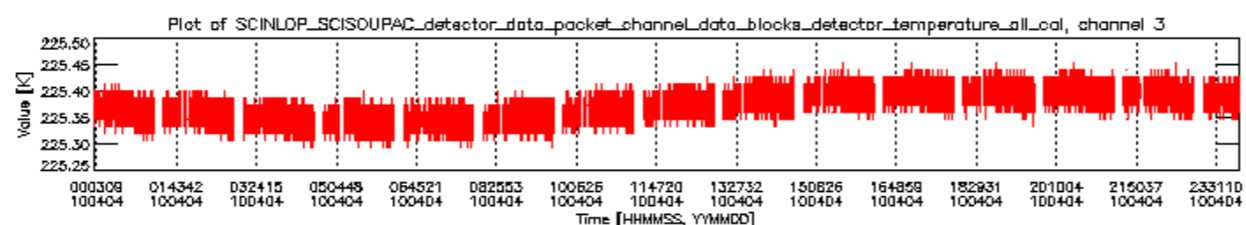
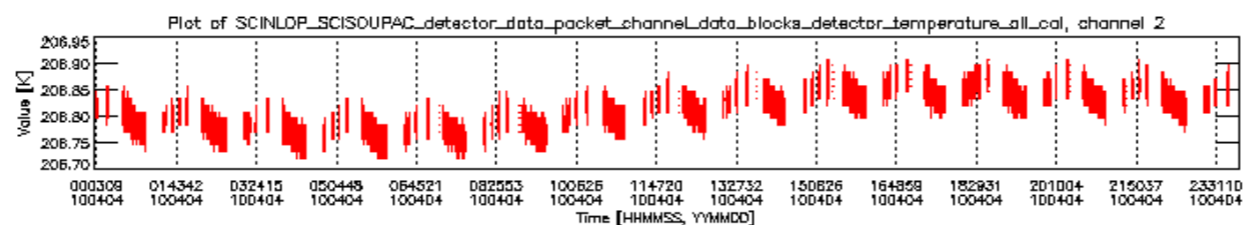
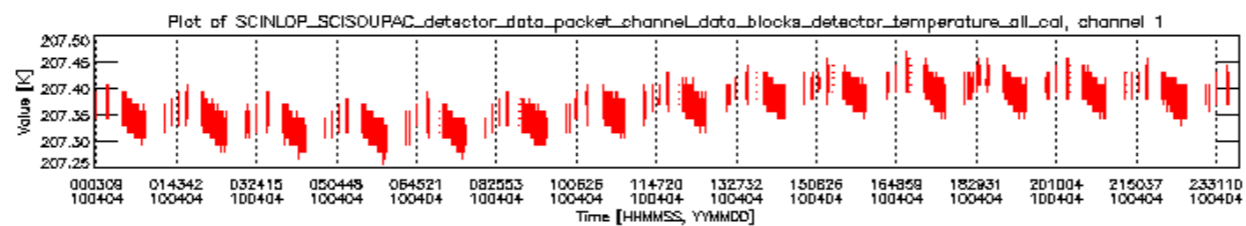
sciamachy_daily_report_level0_Any_version_20100404_8.PNG











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