

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	v1.3 20060731
Time of report generation	06APR2009 22:53:09
Data source version	KSPT_L0/4303-N
Processing scope for products	29MAR2009 00:00:00 to 30MAR2009 00:00:00
Start time of first product within scope	28MAR2009 23:10:05
Stop time of last product within scope	30MAR2009 00:20:11
Total number of level 0 products	22
Number of level 0 products with errors	8

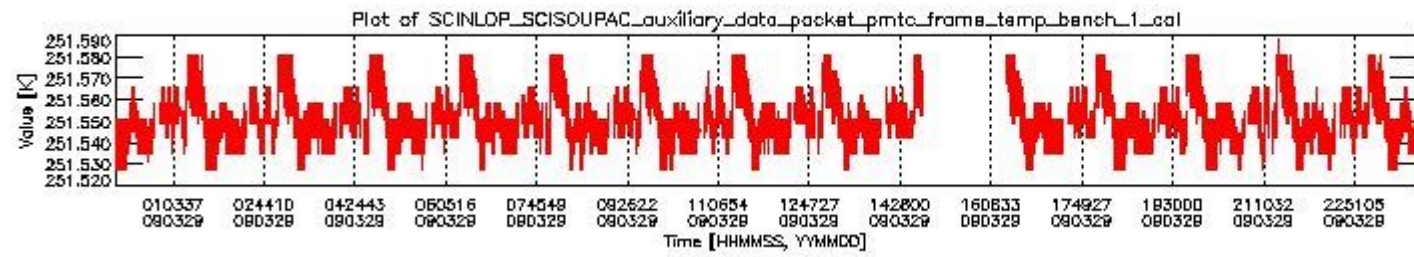
0.1.2 Summary per product

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

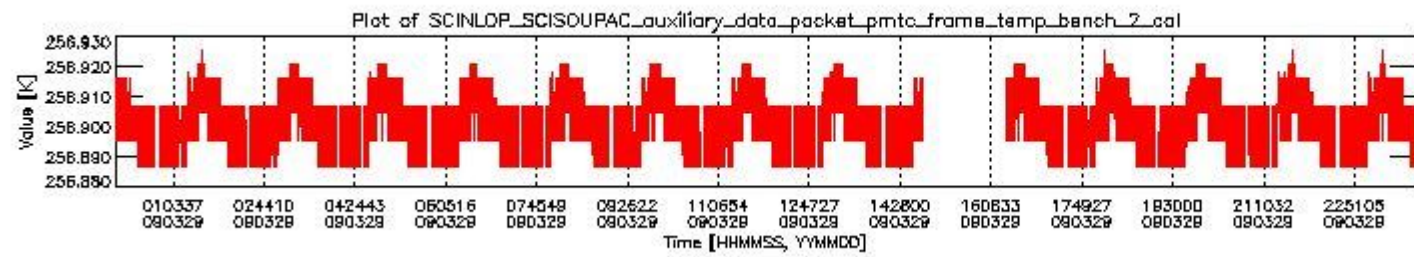
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090328_231005_000060272077_00373_37000_8841.N1	28MAR2009 23:10:05	29MAR2009 00:50:33	0	0	0	0	0
1	SCI_NL__OPNPDE20090329_005033_000047332077_00374_37001_8842.N1	29MAR2009 00:50:33	29MAR2009 02:09:26	0	0	0	0	0
2	SCI_NL__OPNPDE20090329_020926_000057182077_00375_37002_8843.N1	29MAR2009 02:09:26	29MAR2009 03:44:44	0	0	0	0	0
3	SCI_NL__OPNPDE20090329_034444_000060482077_00376_37003_8844.N1	29MAR2009 03:44:44	29MAR2009 05:25:32	0	0	0	0	0
4	SCI_NL__OPNPDE20090329_052532_000060232077_00377_37004_8845.N1	29MAR2009 05:25:32	29MAR2009 07:05:55	0	0	0	0	0
5	SCI_NL__OPNPDK20090329_070459_000041132077_00378_37005_1086.N1	29MAR2009 07:04:59	29MAR2009 08:13:32	0	0	0	0	0
6	SCI_NL__OPNPDK20090329_081224_000062162077_00379_37006_1127.N1	29MAR2009 08:12:24	29MAR2009 09:55:59	1	1	1	0	1
7	SCI_NL__OPNPDK20090329_081224_000022402077_00379_37006_1087.N1	29MAR2009 08:12:24	29MAR2009 08:49:43	1	1	1	0	0
8	SCI_NL__OPNPDK20090329_084943_000000692077_00379_37006_1093.N1	29MAR2009 08:49:43	29MAR2009 08:50:52	1	1	1	0	0
9	SCI_NL__OPNPDK20090329_085052_000000562077_00379_37006_1096.N1	29MAR2009 08:50:52	29MAR2009 08:51:48	1	1	0	0	0
10	SCI_NL__OPNPDK20090329_085148_000000692077_00379_37006_1105.N1	29MAR2009 08:51:48	29MAR2009 08:52:56	1	1	0	0	0
11	SCI_NL__OPNPDK20090329_085256_000000002077_00379_37006_1116.N1	29MAR2009 08:52:56	29MAR2009 08:52:56	1	1	0	0	0
12	SCI_NL__OPNPDK20090329_085405_000037142077_00379_37006_1120.N1	29MAR2009 08:54:05	29MAR2009 09:55:59	0	0	0	0	0
13	SCI_NL__OPNPDK20090329_095503_000059802077_00380_37007_1121.N1	29MAR2009 09:55:03	29MAR2009 11:34:43	0	0	0	0	0
14	SCI_NL__OPNPDK20090329_113334_000060352077_00381_37008_1122.N1	29MAR2009 11:33:34	29MAR2009 13:14:10	0	0	0	0	0
15	SCI_NL__OPNPDK20090329_131301_000059802077_00382_37009_1123.N1	29MAR2009 13:13:01	29MAR2009 14:52:41	0	0	0	0	0
16	SCI_NL__OPNPDK20090329_145145_000057182077_00383_37010_1124.N1	29MAR2009 14:51:45	29MAR2009 16:27:03	1	1	0	0	0
17	SCI_NL__OPNPDK20090329_162607_000060352077_00384_37011_1125.N1	29MAR2009 16:26:07	29MAR2009 18:06:43	1	1	1	0	0
18	SCI_NL__OPNPDK20090329_180547_000061142077_00385_37012_1128.N1	29MAR2009 18:05:47	29MAR2009 19:47:40	0	0	0	0	0
19	SCI_NL__OPNPDE20090329_194549_000041402077_00386_37013_8846.N1	29MAR2009 19:45:49	29MAR2009 20:54:49	0	0	0	0	0
20	SCI_NL__OPNPDE20090329_205449_000063022077_00386_37013_8847.N1	29MAR2009 20:54:49	29MAR2009 22:39:51	0	0	0	0	0
21	SCI_NL__OPNPDE20090329_223904_000060672077_00387_37014_8848.N1	29MAR2009 22:39:04	30MAR2009 00:20:11	0	0	0	0	0

0.2 Product Quality Indicators

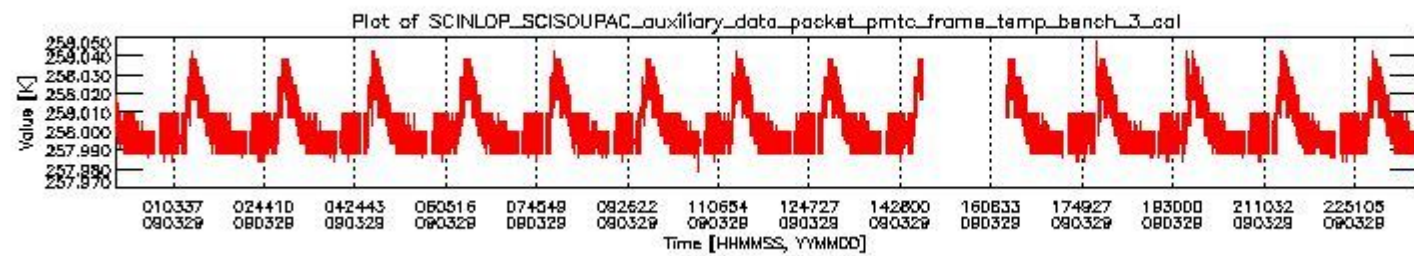
This section shows information about product quality, currently temperatures.



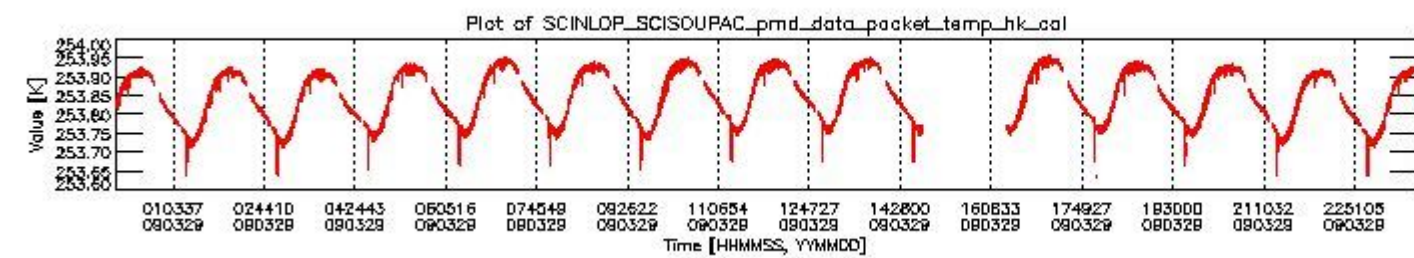
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090329_0.PNG



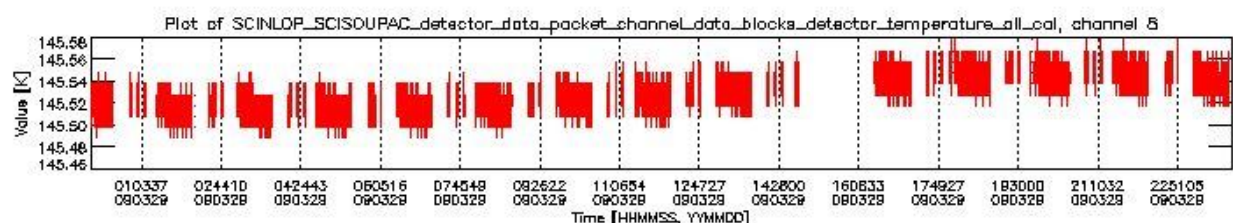
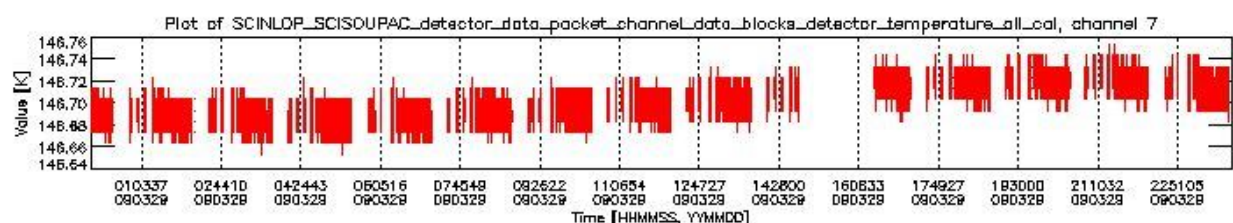
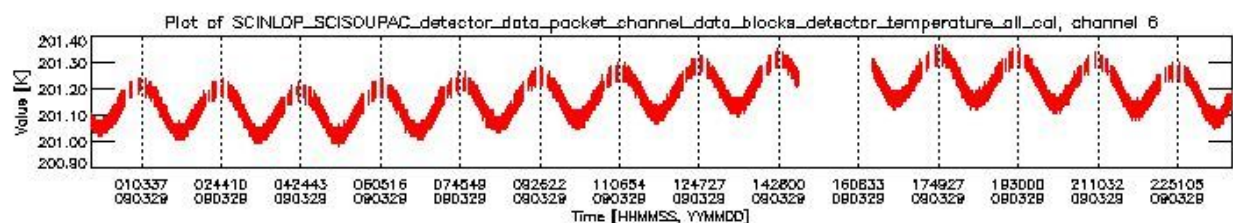
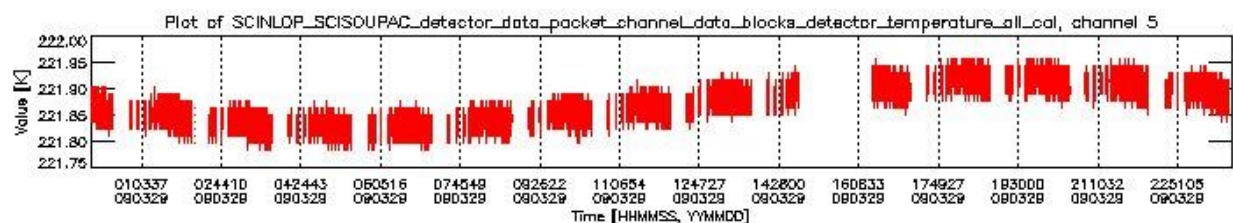
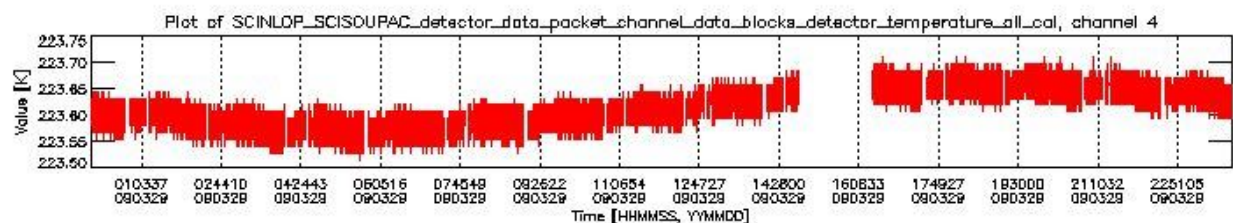
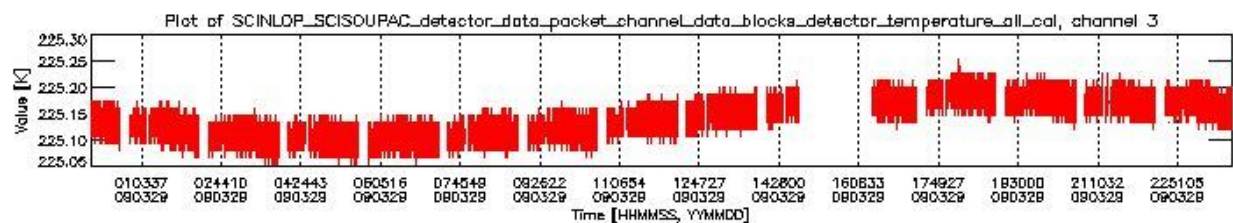
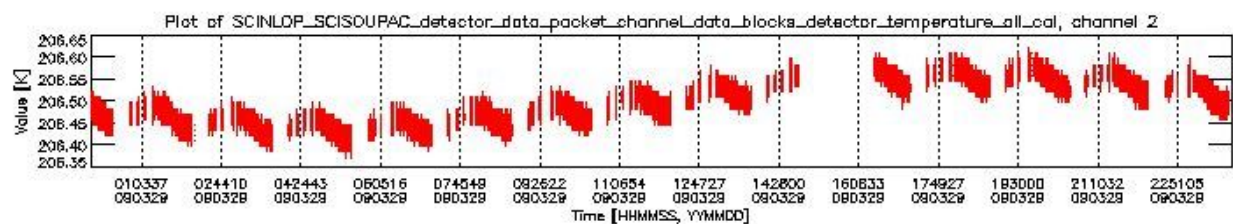
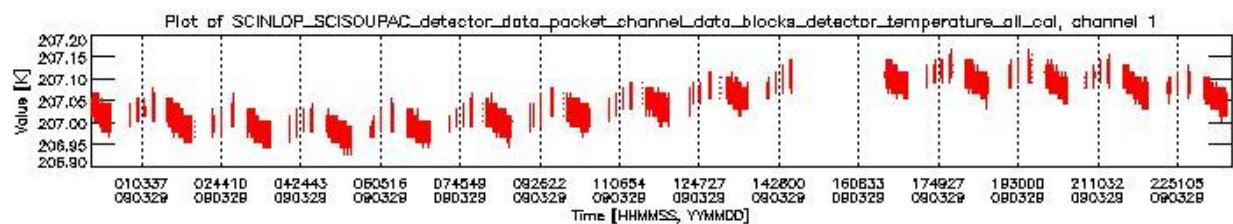
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20090329_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090329_3.PNG

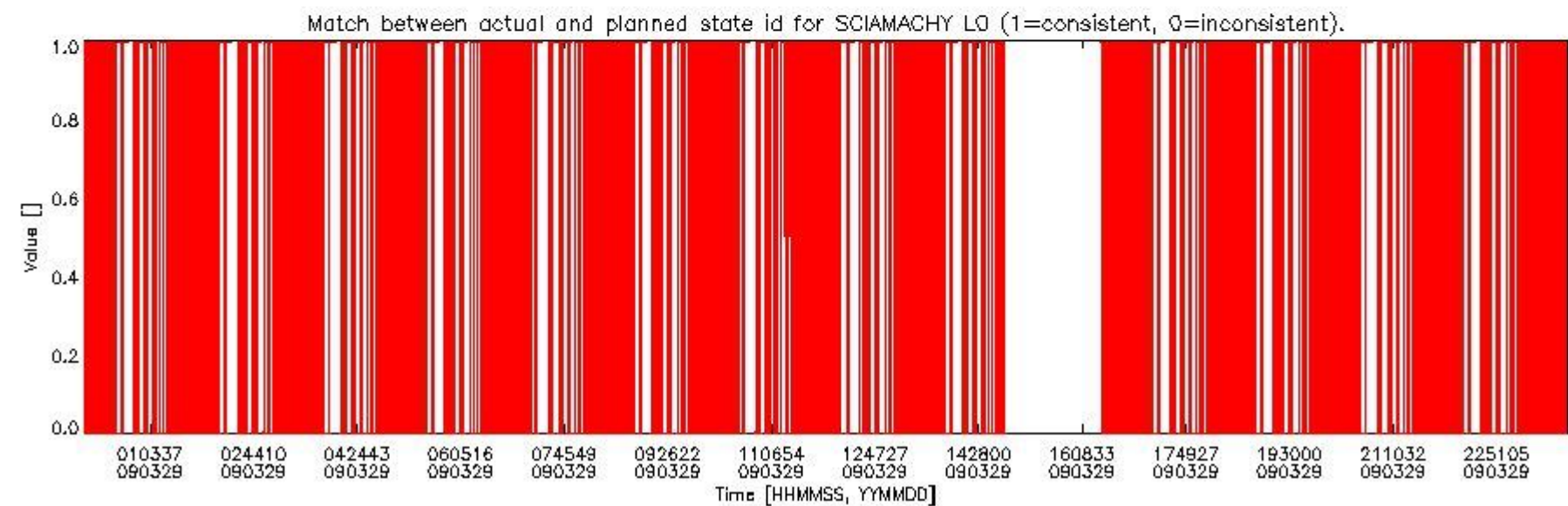
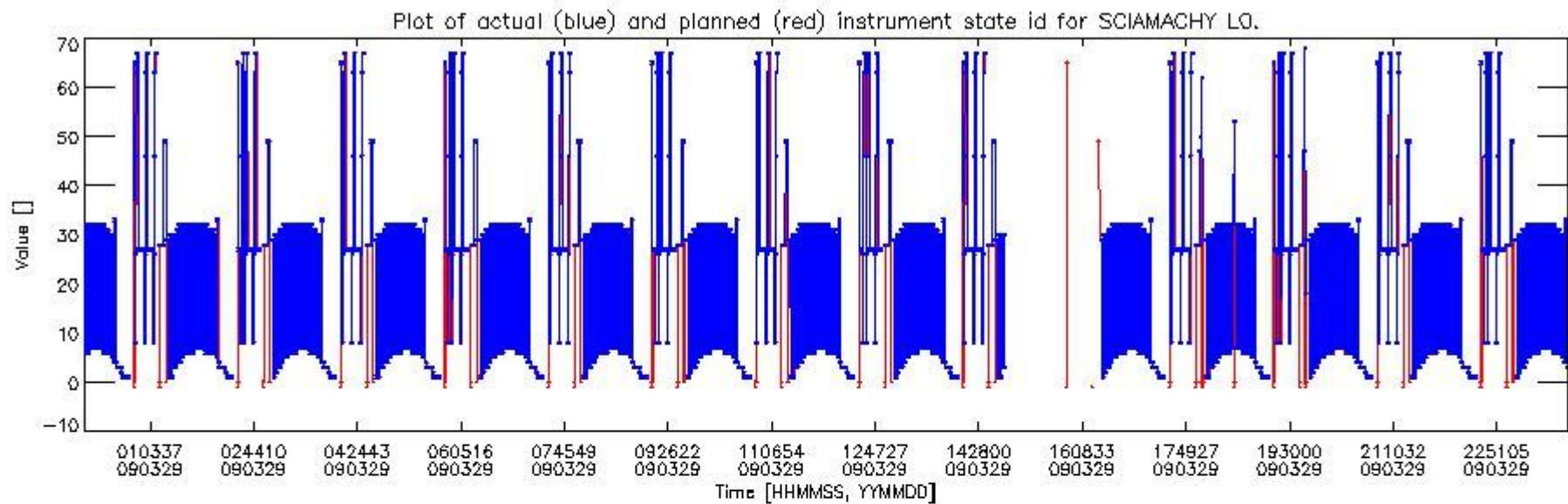


0.3 State monitoring

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: **51581**

#	Actual time	Actual value	Planned time	Planned value
0	29MAR2009 00:00:00.125688	32	29MAR2009 00:00:00.125688	6
1	29MAR2009 00:00:44.500704	6	29MAR2009 00:00:44.500704	32
2	29MAR2009 00:00:44.875677	6	29MAR2009 00:00:44.875677	32
3	29MAR2009 00:00:45.125686	6	29MAR2009 00:00:45.125686	32
4	29MAR2009 00:00:45.375694	6	29MAR2009 00:00:45.375694	32
5	29MAR2009 00:00:45.625703	6	29MAR2009 00:00:45.625703	32
6	29MAR2009 00:00:45.875712	6	29MAR2009 00:00:45.875712	32
7	29MAR2009 00:00:46.125680	6	29MAR2009 00:00:46.125680	32
8	29MAR2009 00:00:46.375689	6	29MAR2009 00:00:46.375689	32
9	29MAR2009 00:00:46.625698	6	29MAR2009 00:00:46.625698	32
10	29MAR2009 00:00:46.875706	6	29MAR2009 00:00:46.875706	32
11	29MAR2009 00:00:47.125675	6	29MAR2009 00:00:47.125675	32
12	29MAR2009 00:00:47.375683	6	29MAR2009 00:00:47.375683	32
13	29MAR2009 00:00:47.625692	6	29MAR2009 00:00:47.625692	32
14	29MAR2009 00:00:47.875701	6	29MAR2009 00:00:47.875701	32
15	29MAR2009 00:00:48.125710	6	29MAR2009 00:00:48.125710	32
16	29MAR2009 00:00:48.375678	6	29MAR2009 00:00:48.375678	32
17	29MAR2009 00:00:48.625687	6	29MAR2009 00:00:48.625687	32
18	29MAR2009 00:00:48.875695	6	29MAR2009 00:00:48.875695	32
19	29MAR2009 00:00:49.125704	6	29MAR2009 00:00:49.125704	32

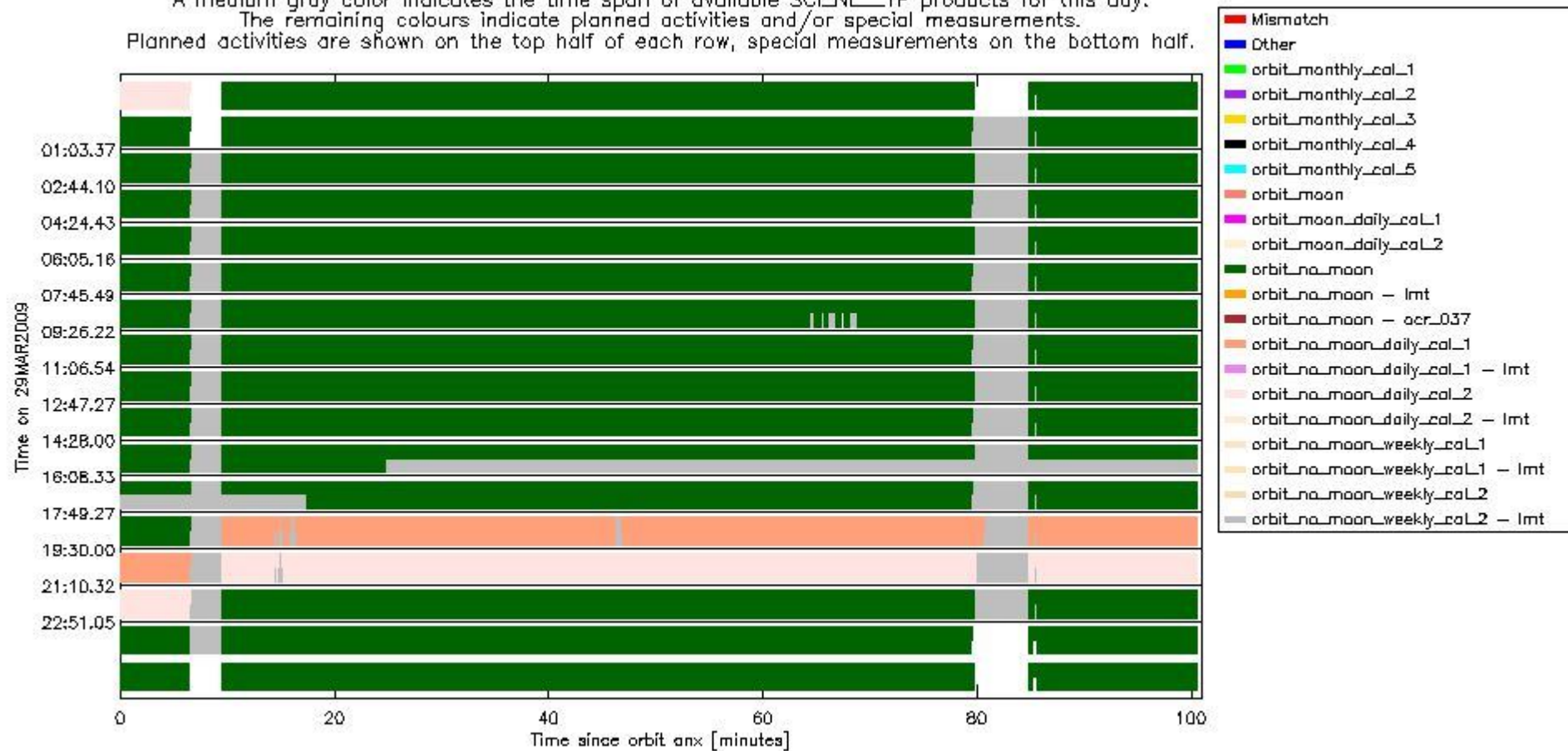


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090329_5.PNG

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 29MAR2009.
 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_KSPT_L0_4303_N_20090329_6.PNG

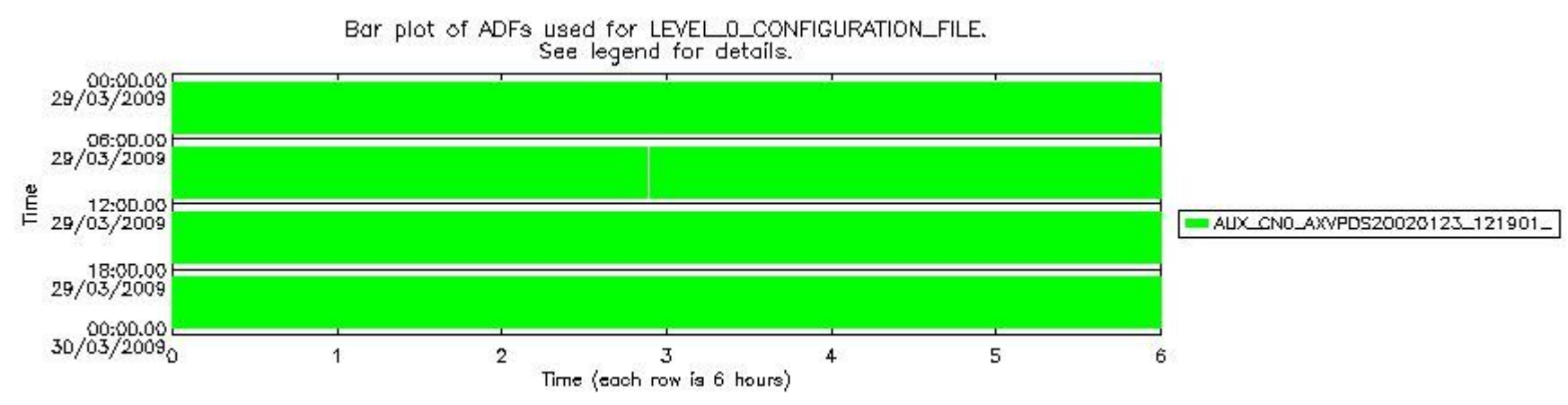
0.4 ADF monitoring

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

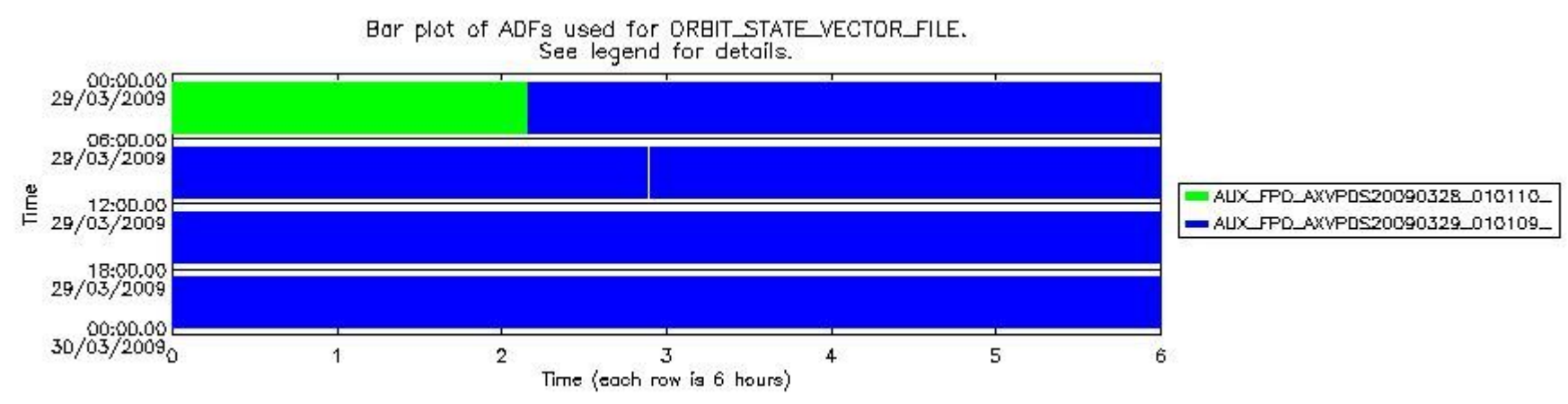
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

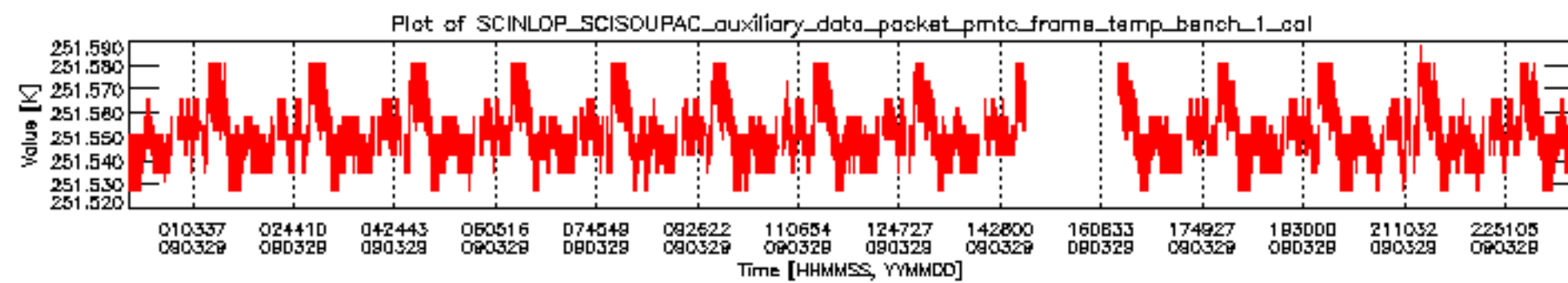
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090328_010110_20090327_185237_20090406_201849
2	AUX_FPO_AXVPDS20090329_010109_20090328_182059_20090407_212747

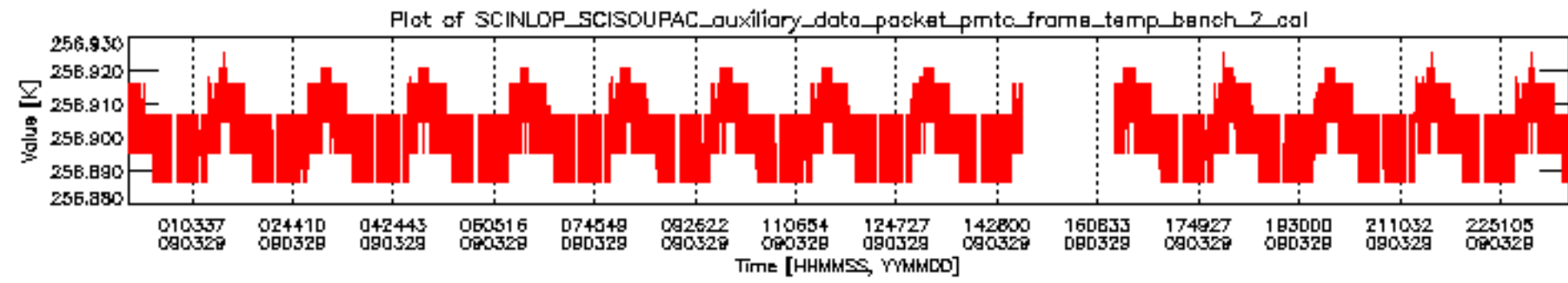


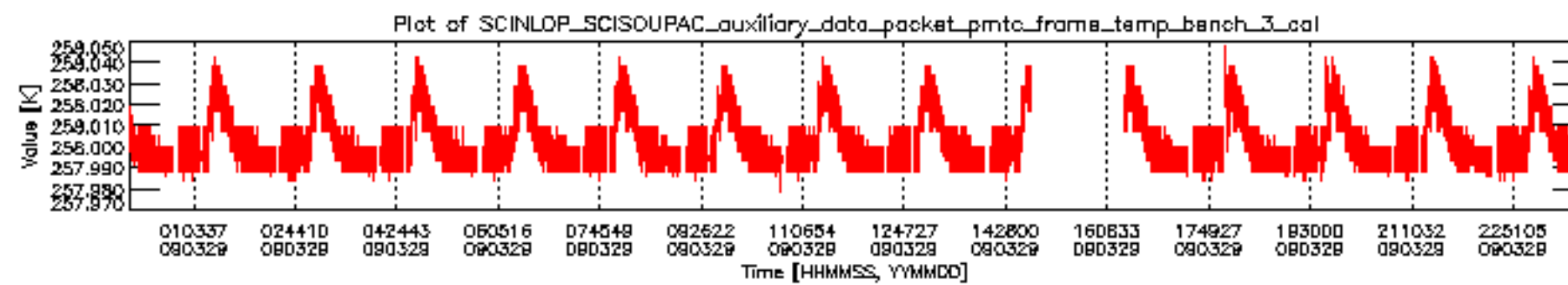
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090329_7.PNG

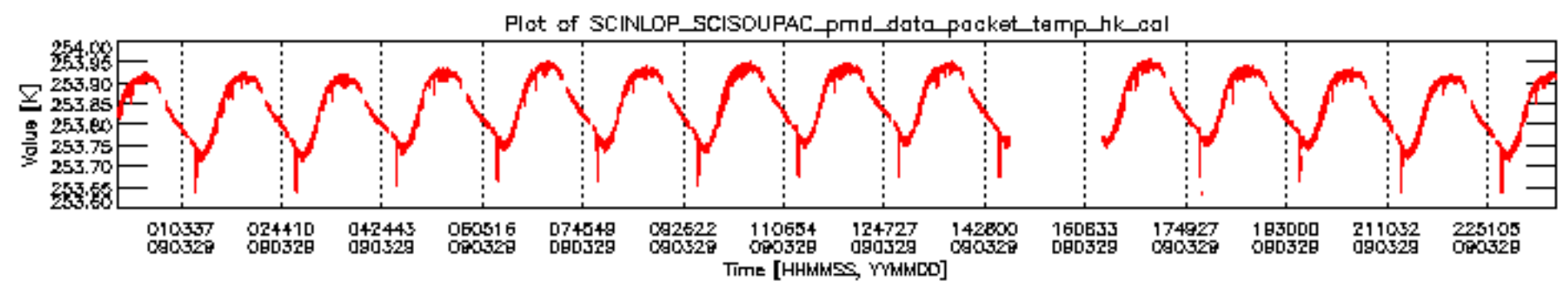


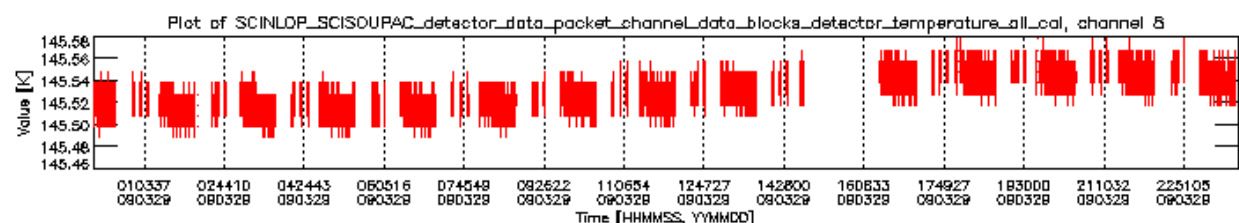
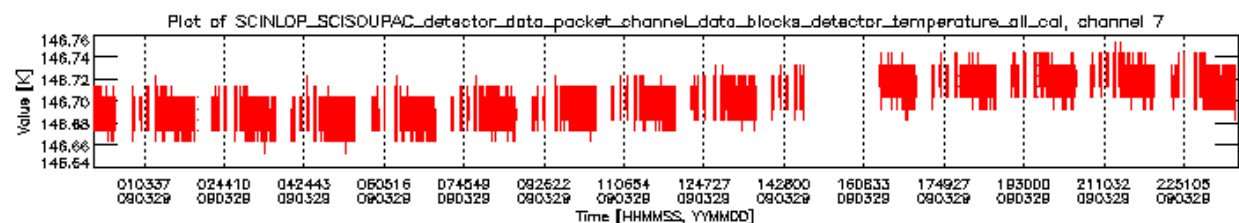
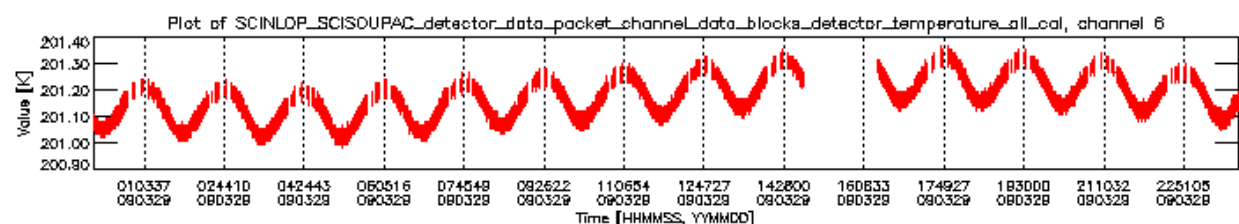
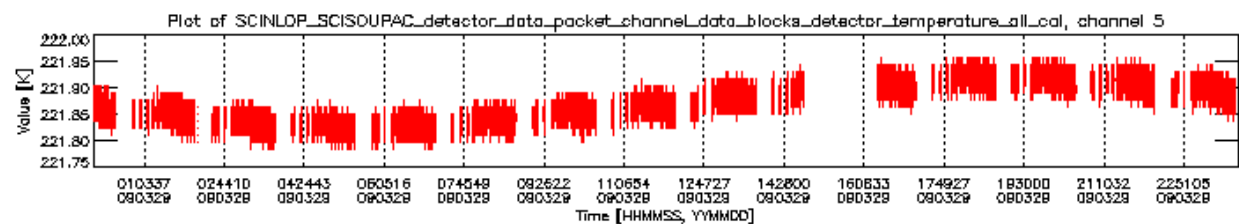
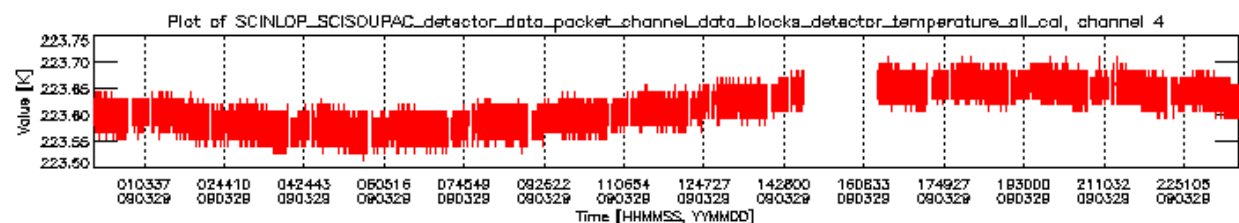
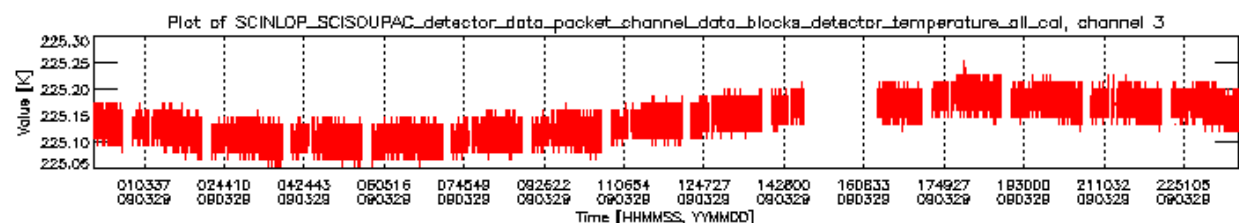
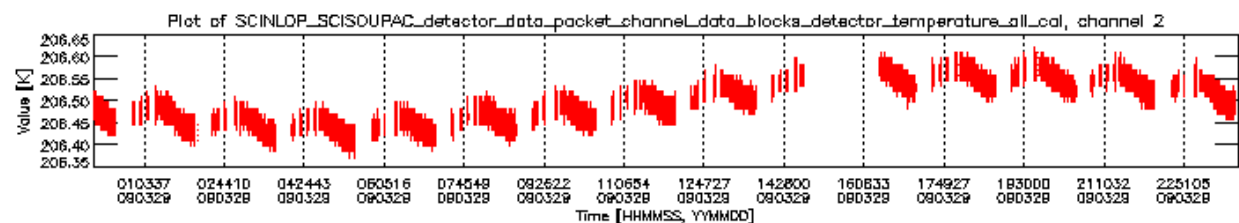
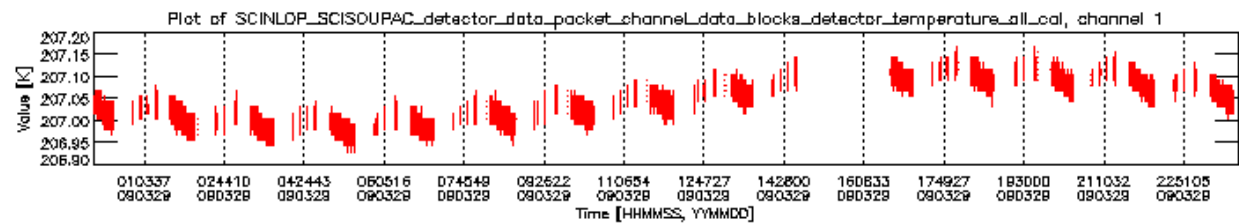
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090329_8.PNG











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