

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	18MAR2008 03:50:57
Data source version	KSPT_L0/4303-N
Processing scope for products	14MAR2008 00:00:00 to 15MAR2008 00:00:00
Start time of first product within scope	13MAR2008 22:44:23
Stop time of last product within scope	15MAR2008 01:43:04
Total number of level 0 products	16
Number of level 0 products with errors	6

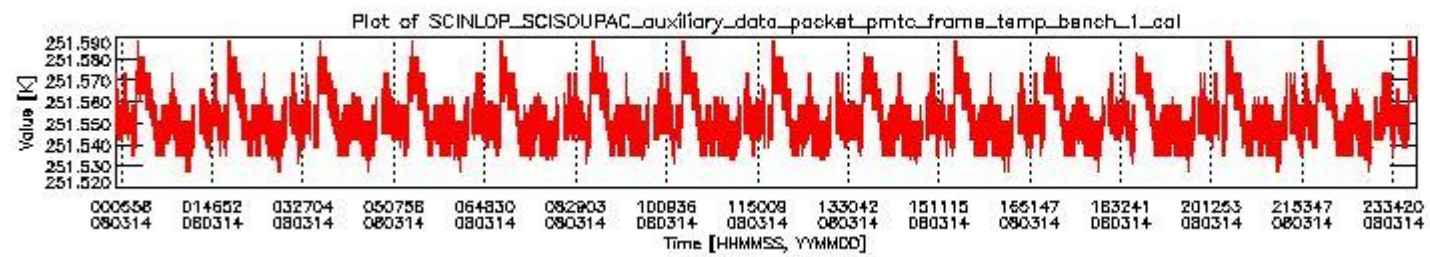
0.1.2 Summary per product

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

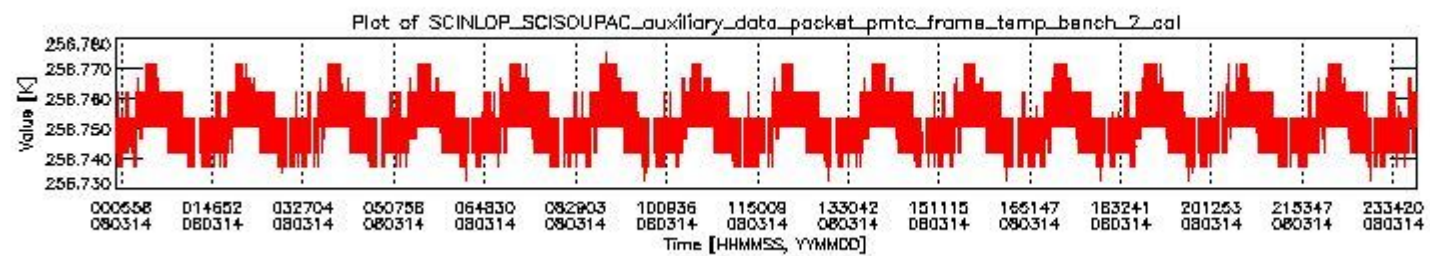
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080313_224423_000065202066_00445_31561_6255.N1	13MAR2008 22:44:23	14MAR2008 00:33:04	1	0	1	0	0
1	SCI_NL__OPNPDE20080314_002759_000064092066_00446_31562_6256.N1	14MAR2008 00:27:59	14MAR2008 02:14:47	1	1	1	0	0
2	SCI_NL__OPNPDE20080314_021039_000063402066_00447_31563_6257.N1	14MAR2008 02:10:39	14MAR2008 03:56:19	1	0	1	0	0
3	SCI_NL__OPNPDE20080314_035319_000064092066_00448_31564_6258.N1	14MAR2008 03:53:19	14MAR2008 05:40:07	1	0	1	0	0
4	SCI_NL__OPNPDK20080314_053503_000062722066_00449_31565_7645.N1	14MAR2008 05:35:03	14MAR2008 07:19:34	0	0	0	0	0
5	SCI_NL__OPNPDK20080314_071934_000059802066_00450_31566_7646.N1	14MAR2008 07:19:34	14MAR2008 08:59:14	0	0	0	0	0
6	SCI_NL__OPNPDK20080314_085818_000059672066_00451_31567_7647.N1	14MAR2008 08:58:18	14MAR2008 10:37:45	0	0	0	0	0
7	SCI_NL__OPNPDK20080314_103636_000061042066_00452_31568_7648.N1	14MAR2008 10:36:36	14MAR2008 12:18:20	0	0	0	0	0
8	SCI_NL__OPNPDK20080314_121724_000059672066_00453_31569_7649.N1	14MAR2008 12:17:24	14MAR2008 13:56:51	0	0	0	0	0
9	SCI_NL__OPNPDK20080314_135447_000059112066_00454_31570_7650.N1	14MAR2008 13:54:47	14MAR2008 15:33:18	0	0	0	0	0
10	SCI_NL__OPNPDK20080314_153222_000059362066_00455_31571_7651.N1	14MAR2008 15:32:22	14MAR2008 17:11:18	0	0	0	0	0
11	SCI_NL__OPNPDK20080314_170927_000060362066_00456_31572_7652.N1	14MAR2008 17:09:27	14MAR2008 18:50:02	0	0	0	0	0
12	SCI_NL__OPNPDK20080314_185002_000060102066_00457_31573_7653.N1	14MAR2008 18:50:02	14MAR2008 20:30:12	0	0	0	0	0
13	SCI_NL__OPNPDK20080314_202755_000062852066_00458_31574_7654.N1	14MAR2008 20:27:55	14MAR2008 22:12:40	0	0	0	0	0
14	SCI_NL__OPNPDE20080314_221144_000065762066_00459_31575_6259.N1	14MAR2008 22:11:44	15MAR2008 00:01:20	1	0	1	0	0
15	SCI_NL__OPNPDE20080314_235615_000064092066_00460_31576_6260.N1	14MAR2008 23:56:15	15MAR2008 01:43:04	1	0	1	0	0

0.2 Product Quality Indicators

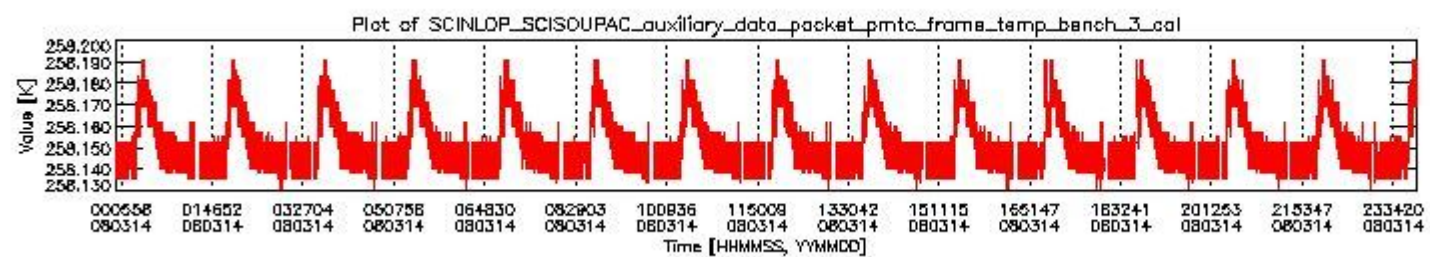
This section shows information about product quality, currently temperatures.



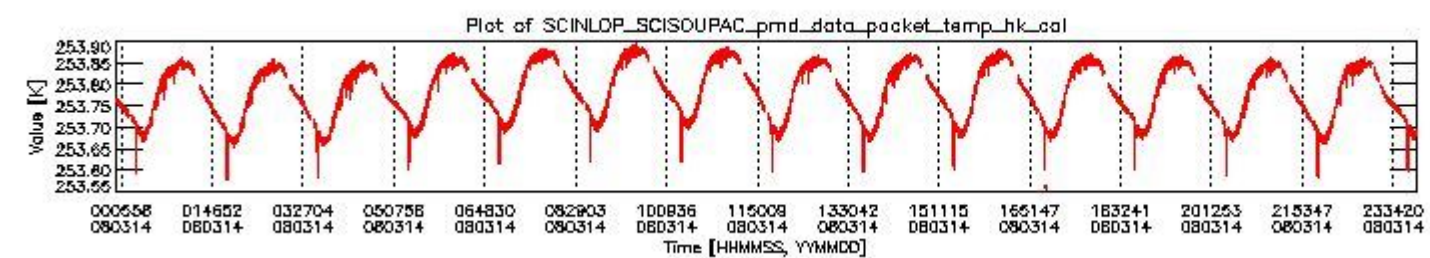
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080314_0.PNG



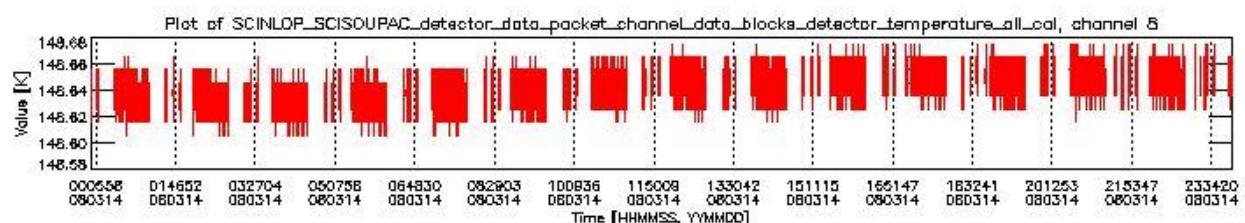
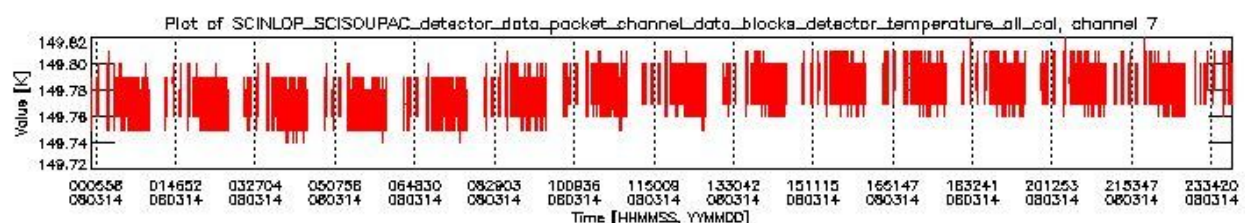
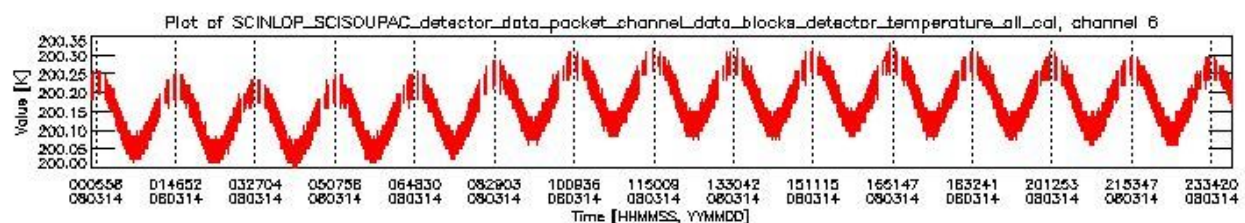
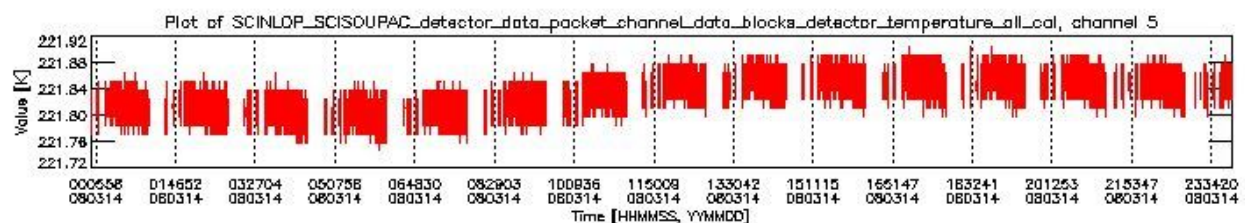
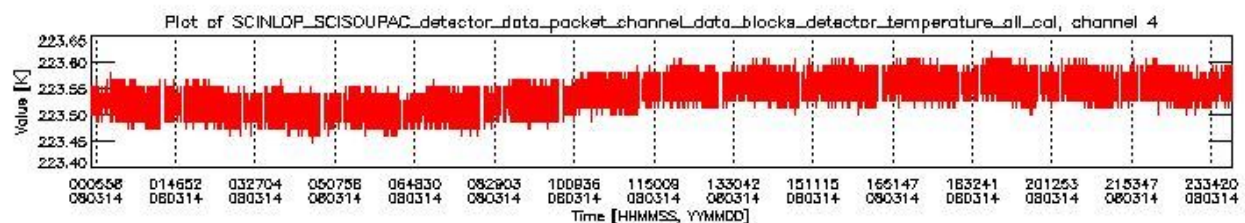
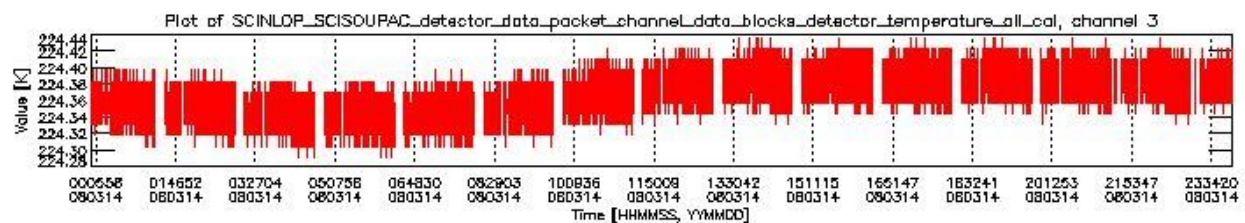
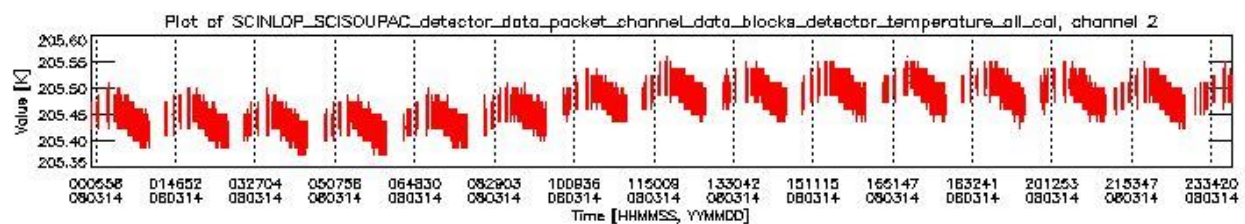
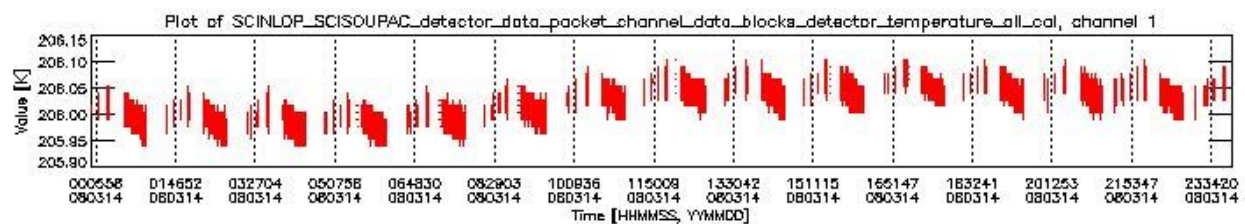
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080314_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080314_3.PNG

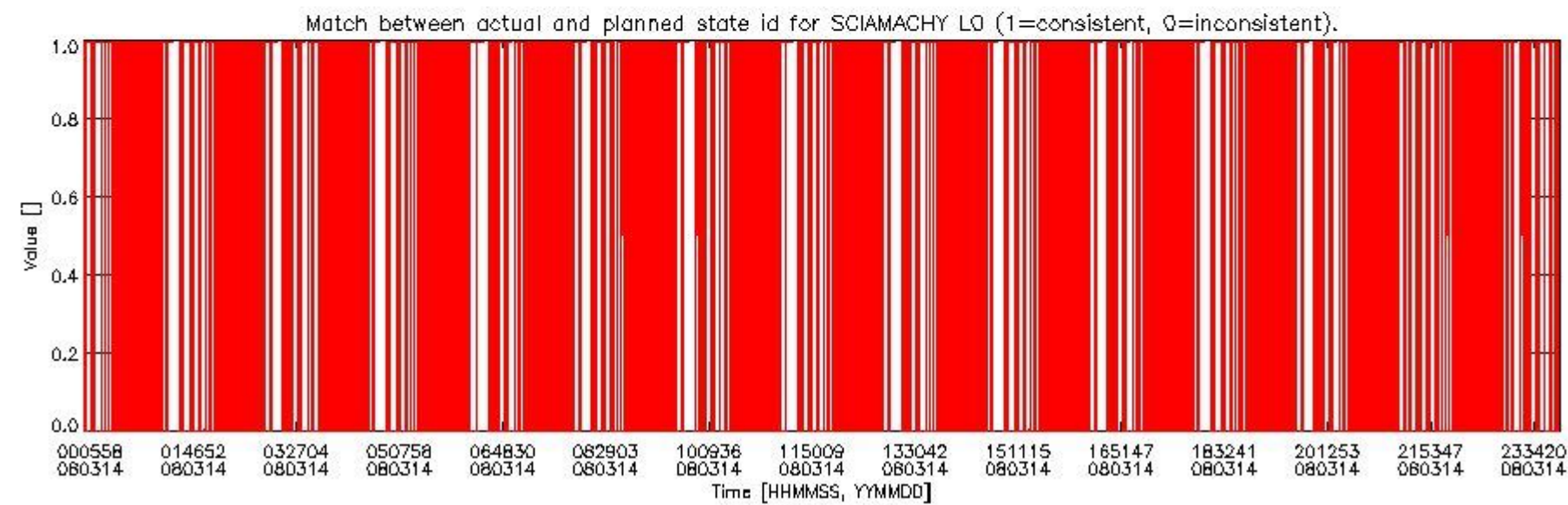
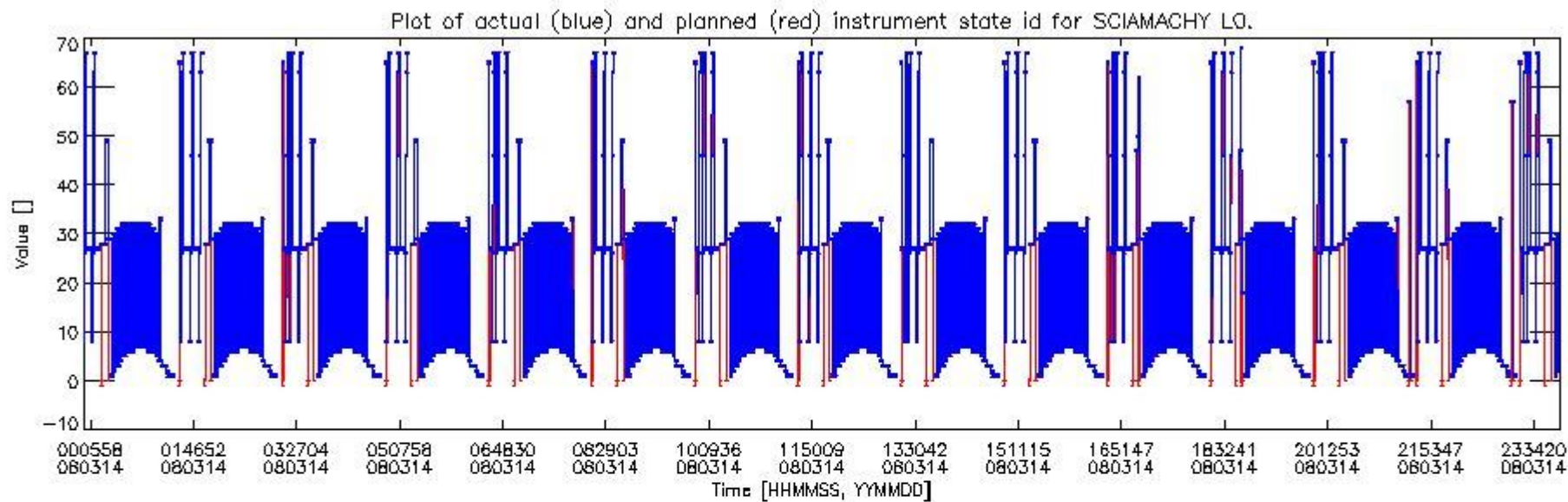


0.3 State monitoring

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: **33813**

#	Actual time	Actual value	Planned time	Planned value
0	14MAR2008 00:00:05.201541	46	14MAR2008 00:00:05.201541	26
1	14MAR2008 00:00:05.826522	46	14MAR2008 00:00:05.826522	26
2	14MAR2008 00:00:06.326540	46	14MAR2008 00:00:06.326540	26
3	14MAR2008 00:00:06.826517	46	14MAR2008 00:00:06.826517	26
4	14MAR2008 00:00:07.326534	46	14MAR2008 00:00:07.326534	26
5	14MAR2008 00:00:07.826512	46	14MAR2008 00:00:07.826512	26
6	14MAR2008 00:00:08.326529	46	14MAR2008 00:00:08.326529	26
7	14MAR2008 00:00:08.826546	46	14MAR2008 00:00:08.826546	26
8	14MAR2008 00:00:09.326524	46	14MAR2008 00:00:09.326524	26
9	14MAR2008 00:00:09.826541	46	14MAR2008 00:00:09.826541	26
10	14MAR2008 00:00:10.201514	46	14MAR2008 00:00:10.201514	26
11	14MAR2008 00:00:10.326518	46	14MAR2008 00:00:10.326518	26
12	14MAR2008 00:00:10.826536	46	14MAR2008 00:00:10.826536	26
13	14MAR2008 00:00:11.326513	46	14MAR2008 00:00:11.326513	26
14	14MAR2008 00:00:11.826530	46	14MAR2008 00:00:11.826530	26
15	14MAR2008 00:00:12.326548	46	14MAR2008 00:00:12.326548	26
16	14MAR2008 00:00:18.760107	63	14MAR2008 00:00:18.760107	46
17	14MAR2008 00:00:19.385129	63	14MAR2008 00:00:19.385129	46
18	14MAR2008 00:00:19.885106	63	14MAR2008 00:00:19.885106	46
19	14MAR2008 00:00:20.385124	63	14MAR2008 00:00:20.385124	46

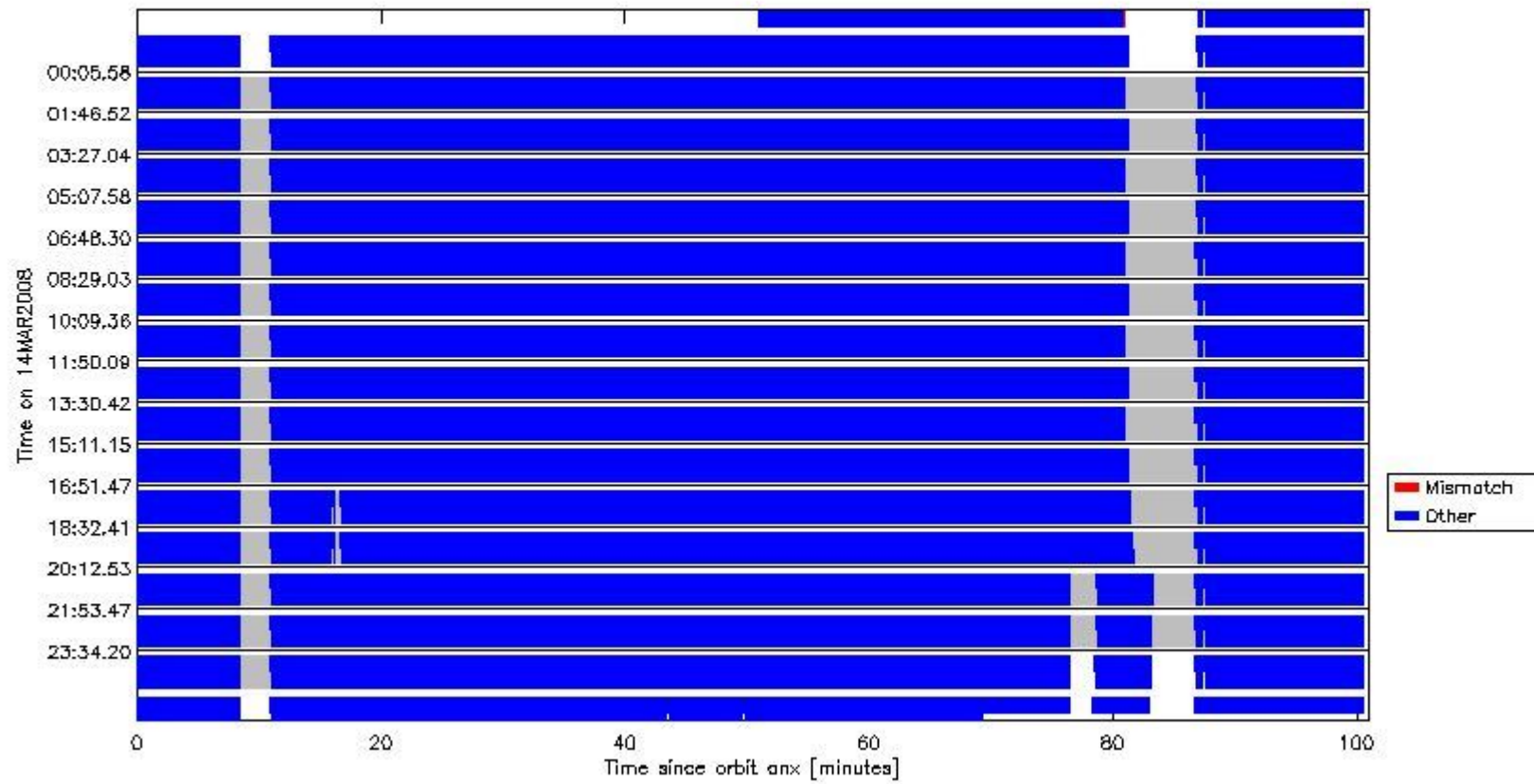


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080314_5.PNG

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 14MAR2008.
 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_20080314_6.PNG

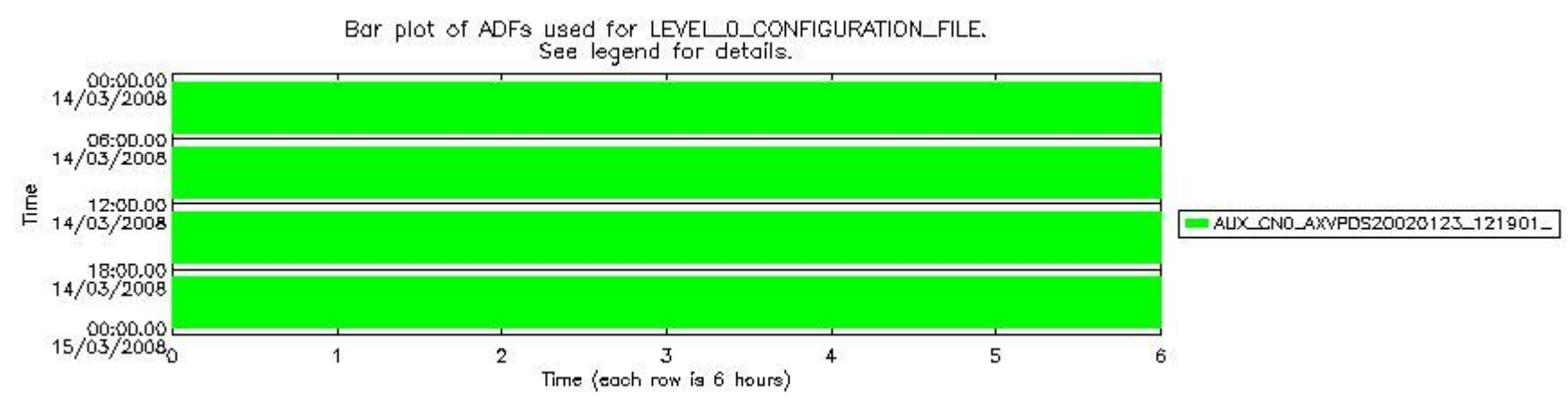
0.4 ADF monitoring

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

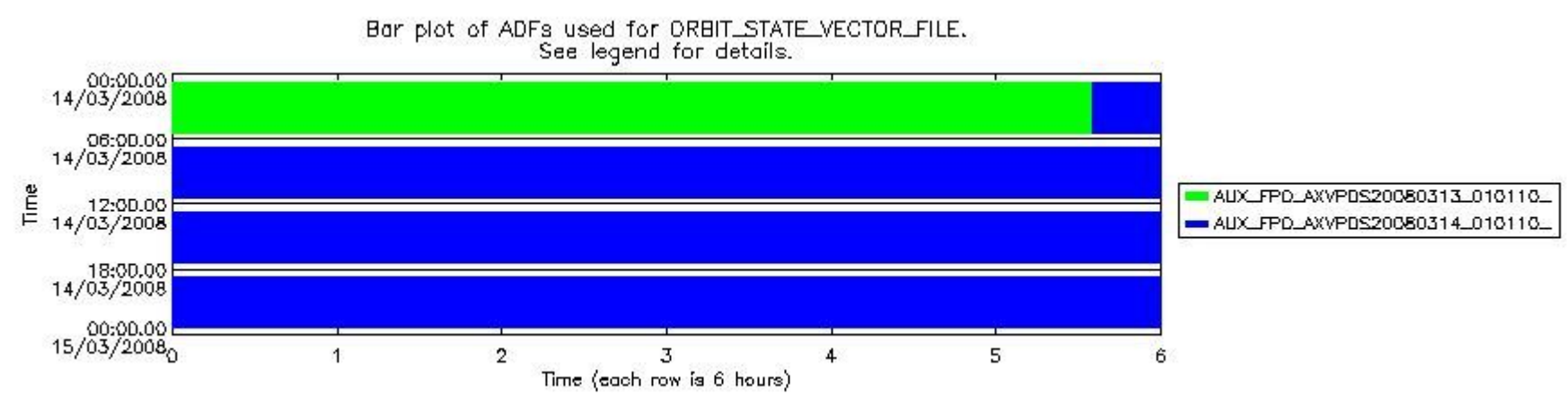
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

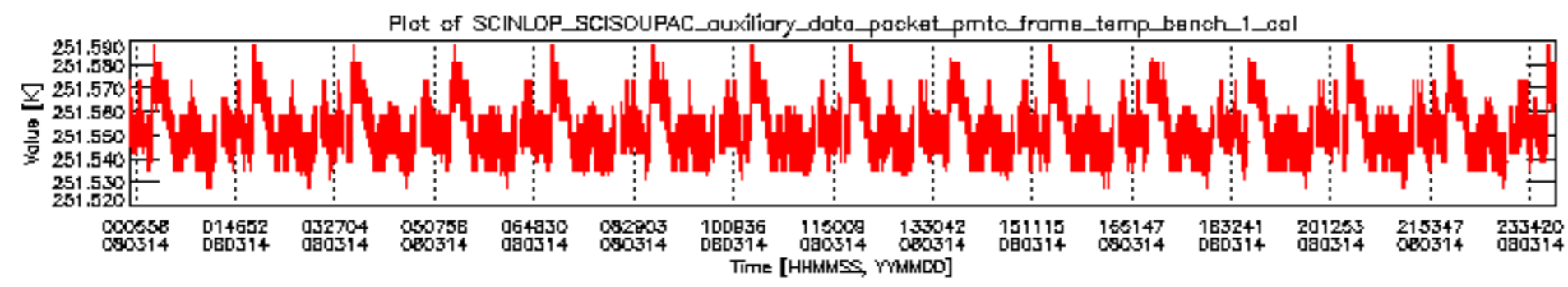
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080313_010110_20080312_193548_20080322_210202
2	AUX_FPO_AXVPDS20080314_010110_20080313_190411_20080323_203025

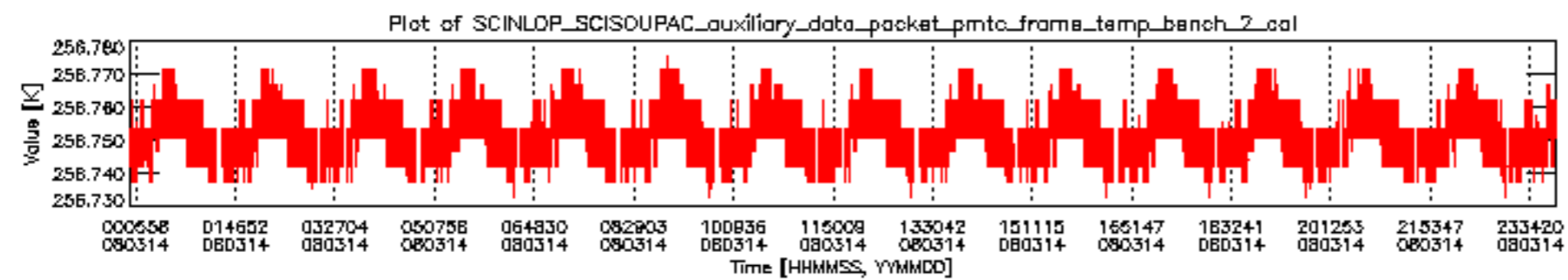


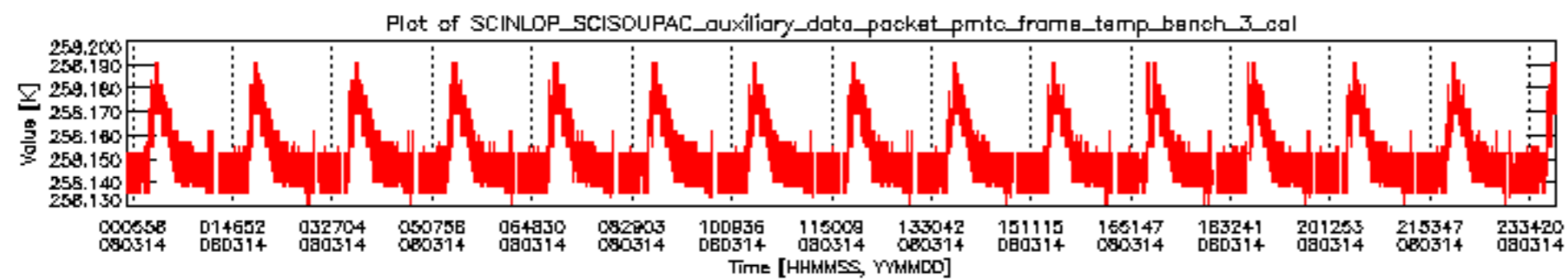
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080314_7.PNG

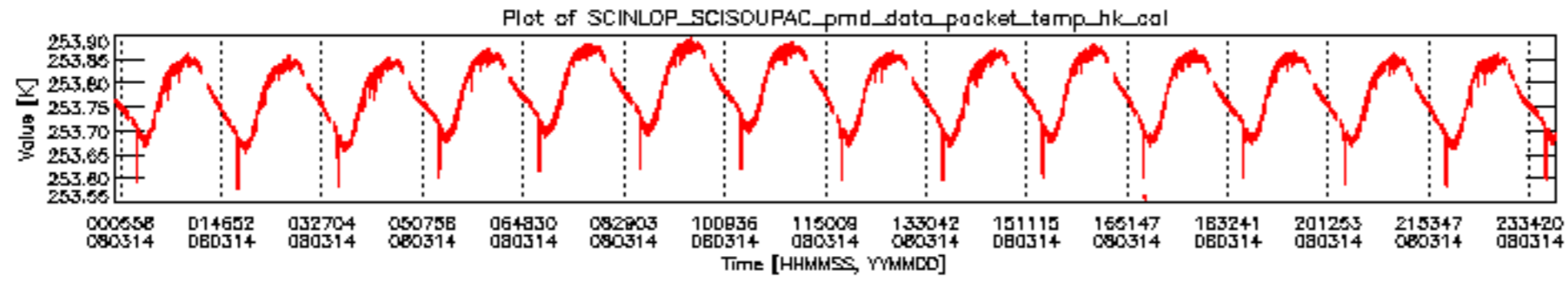


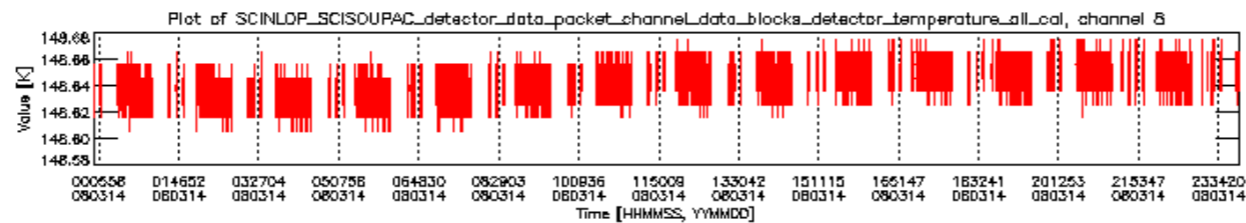
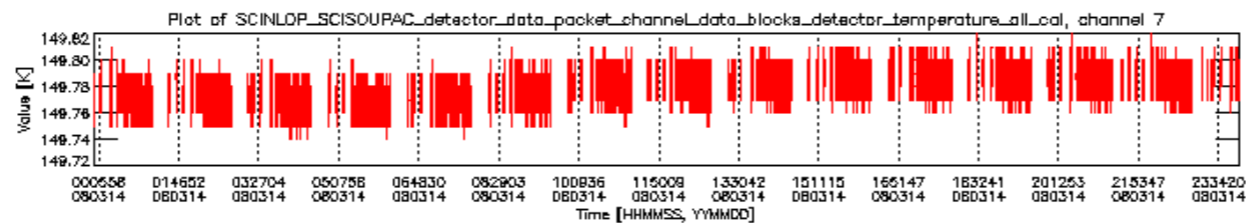
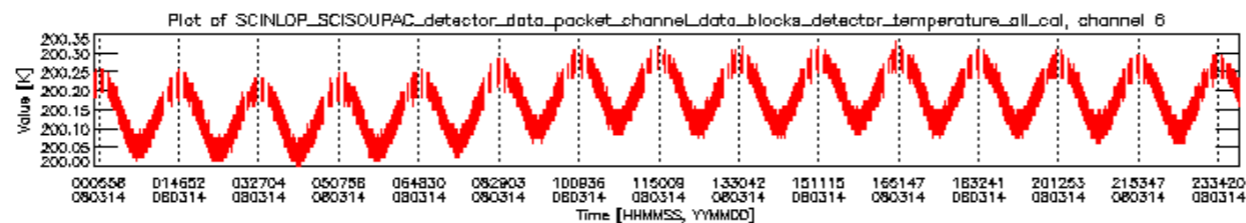
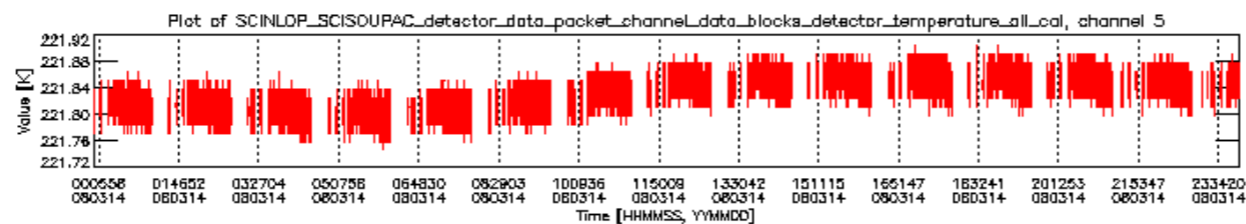
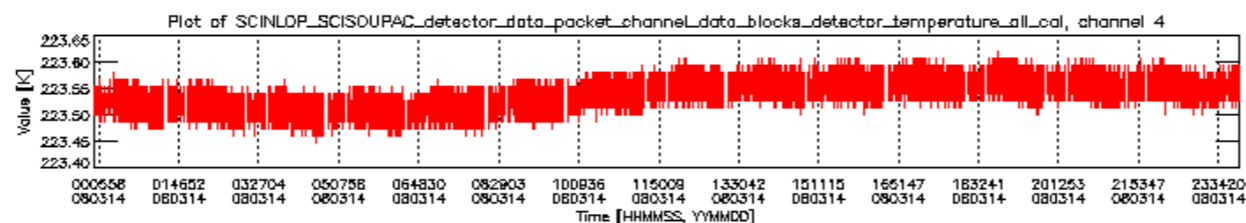
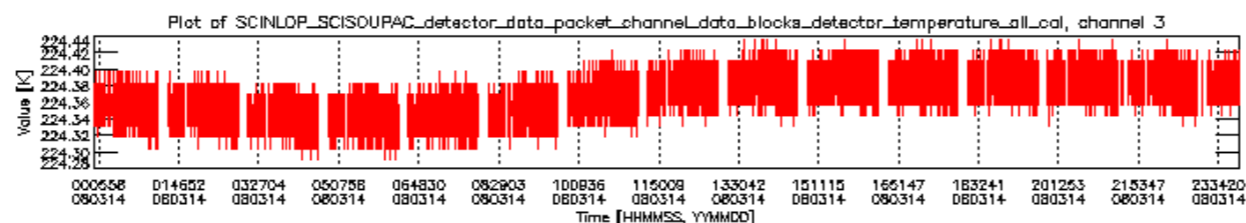
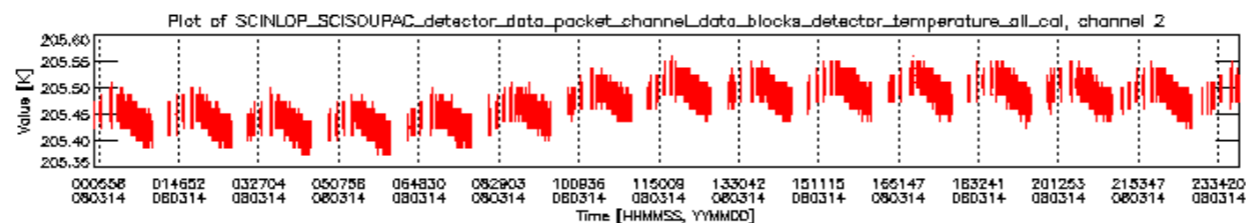
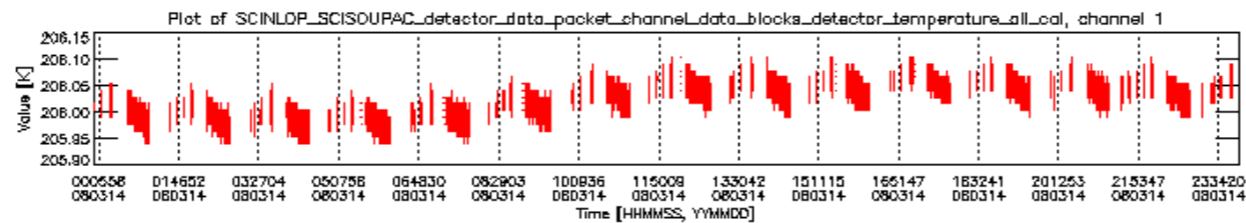
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080314_8.PNG











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