

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	24JAN2008 08:29:48
Data source version	KSPT_L0/4303-N
Processing scope for products	20JAN2008 00:00:00 to 21JAN2008 00:00:00
Start time of first product within scope	19JAN2008 23:51:03
Stop time of last product within scope	21JAN2008 01:00:12
Total number of level 0 products	16
Number of level 0 products with errors	0

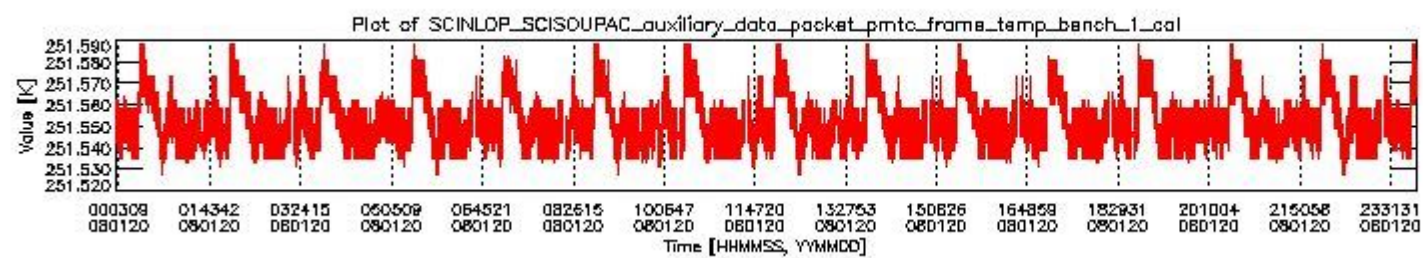
0.1.2 Summary per product

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

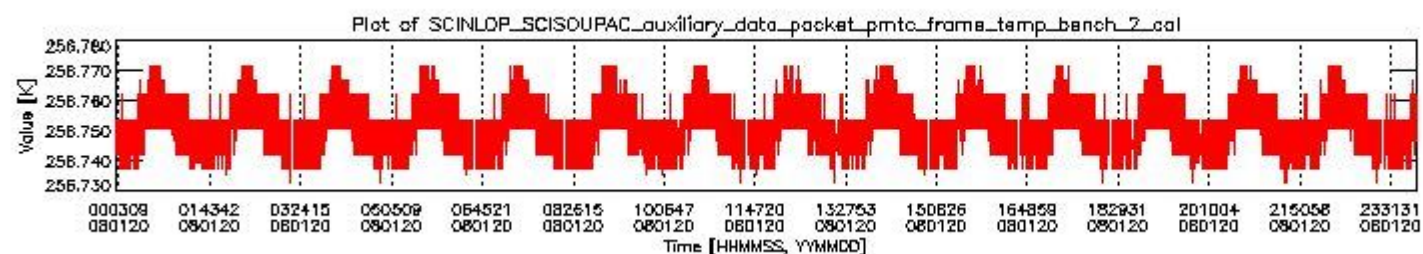
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080119_235103_000060332065_00173_30788_5969.N1	19JAN2008 23:51:03	20JAN2008 01:31:36	0	0	0	0	0
1	SCI_NL__OPNPDE20080120_013027_000046322065_00174_30789_5970.N1	20JAN2008 01:30:27	20JAN2008 02:47:39	0	0	0	0	0
2	SCI_NL__OPNPDE20080120_024739_000058552065_00175_30790_5971.N1	20JAN2008 02:47:39	20JAN2008 04:25:15	0	0	0	0	0
3	SCI_NL__OPNPDE20080120_042406_000061602065_00176_30791_5972.N1	20JAN2008 04:24:06	20JAN2008 06:06:46	0	0	0	0	0
4	SCI_NL__OPNPDK20080120_060550_000041012065_00177_30792_7170.N1	20JAN2008 06:05:50	20JAN2008 07:14:11	0	0	0	0	0
5	SCI_NL__OPNPDK20080120_071315_000060912065_00178_30793_7171.N1	20JAN2008 07:13:15	20JAN2008 08:54:47	0	0	0	0	0
6	SCI_NL__OPNPDK20080120_085447_000060362065_00179_30794_7172.N1	20JAN2008 08:54:47	20JAN2008 10:35:22	0	0	0	0	0
7	SCI_NL__OPNPDK20080120_103318_000059802065_00180_30795_7173.N1	20JAN2008 10:33:18	20JAN2008 12:12:57	0	0	0	0	0
8	SCI_NL__OPNPDK20080120_121106_000061472065_00181_30796_7174.N1	20JAN2008 12:11:06	20JAN2008 13:53:33	0	0	0	0	0
9	SCI_NL__OPNPDK20080120_135237_000057862065_00182_30797_7175.N1	20JAN2008 13:52:37	20JAN2008 15:29:03	0	0	0	0	0
10	SCI_NL__OPNPDK20080120_152903_000060362065_00183_30798_7176.N1	20JAN2008 15:29:03	20JAN2008 17:09:39	0	0	0	0	0
11	SCI_NL__OPNPDK20080120_170842_000058682065_00184_30799_7177.N1	20JAN2008 17:08:42	20JAN2008 18:46:30	0	0	0	0	0
12	SCI_NL__OPNPDK20080120_184630_000058592065_00185_30800_7178.N1	20JAN2008 18:46:30	20JAN2008 20:24:08	0	0	0	0	0
13	SCI_NL__OPNPDE20080120_202408_000044332065_00186_30801_5973.N1	20JAN2008 20:24:08	20JAN2008 21:38:02	0	0	0	0	0
14	SCI_NL__OPNPDE20080120_213653_000061682065_00186_30801_5974.N1	20JAN2008 21:36:53	20JAN2008 23:19:41	0	0	0	0	0
15	SCI_NL__OPNPDE20080120_231941_000060312065_00187_30802_5975.N1	20JAN2008 23:19:41	21JAN2008 01:00:12	0	0	0	0	0

0.2 Product Quality Indicators

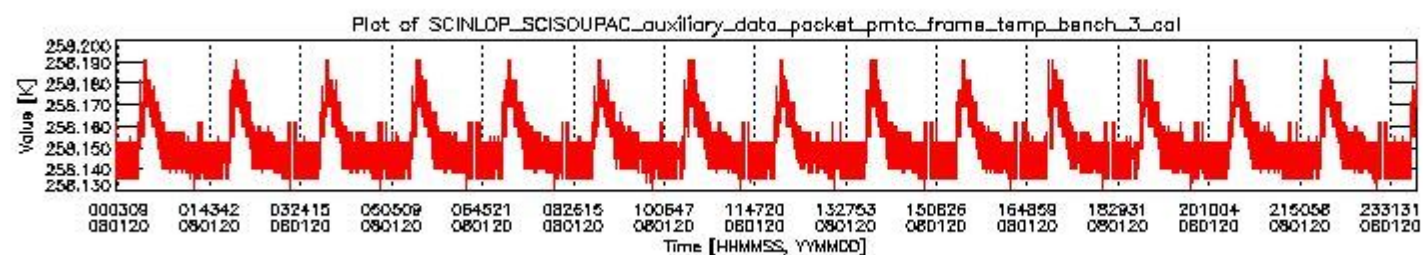
This section shows information about product quality, currently temperatures.



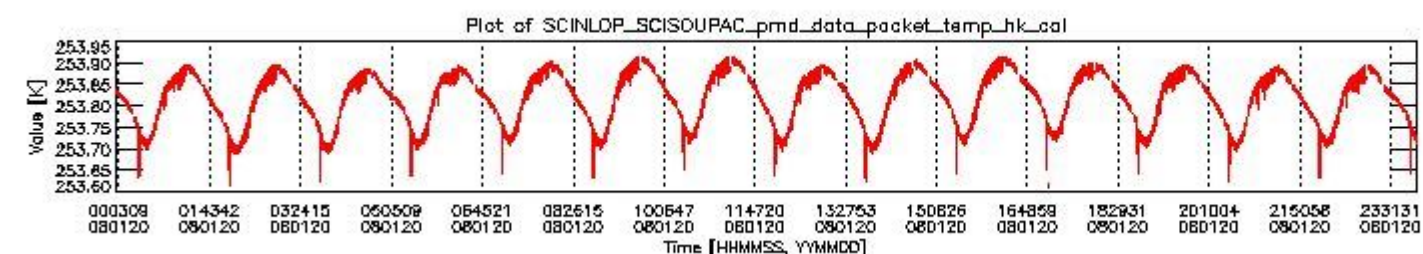
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080120_0.PNG



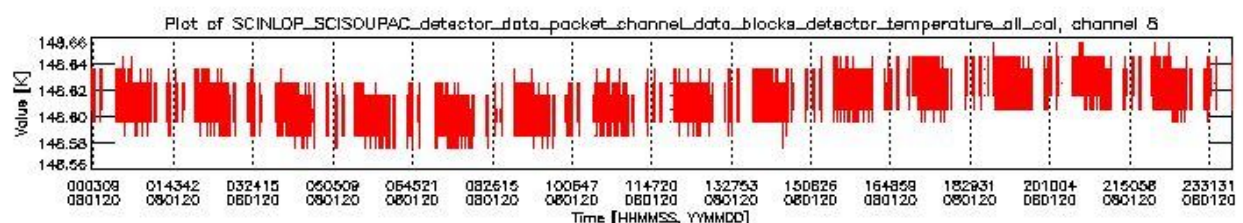
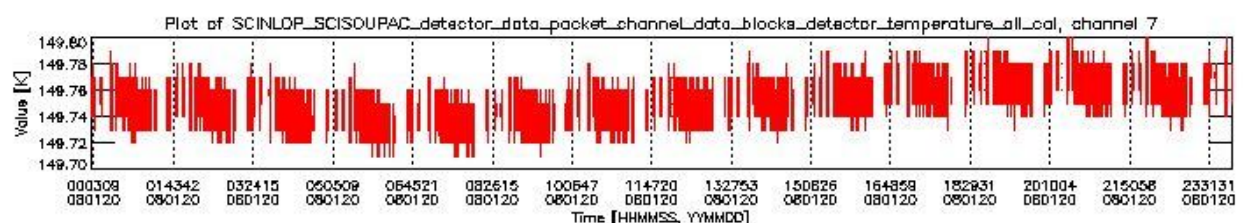
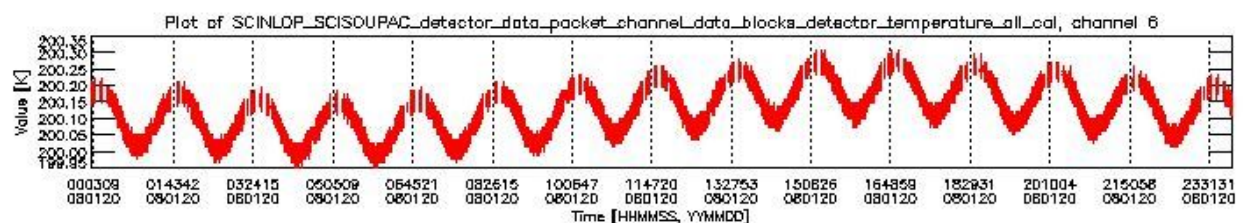
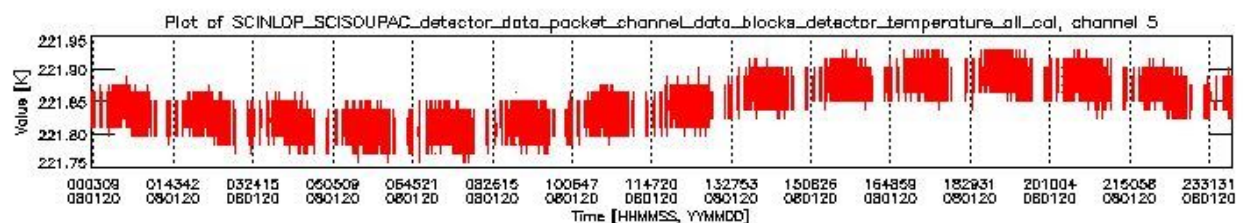
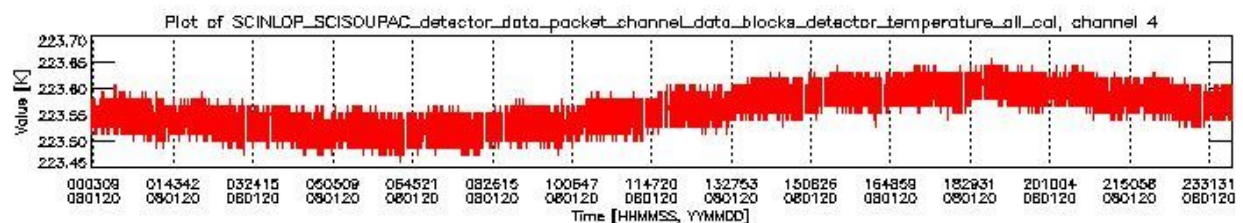
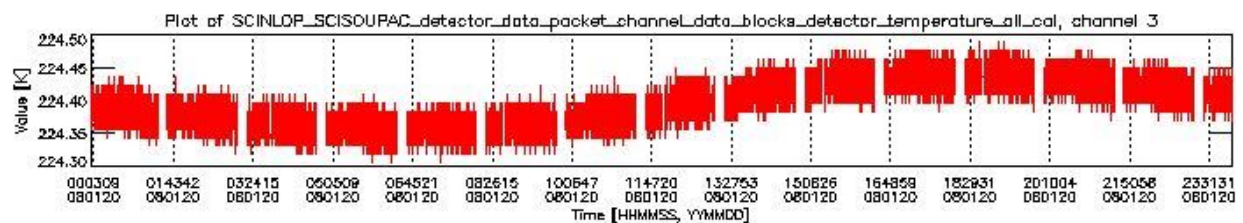
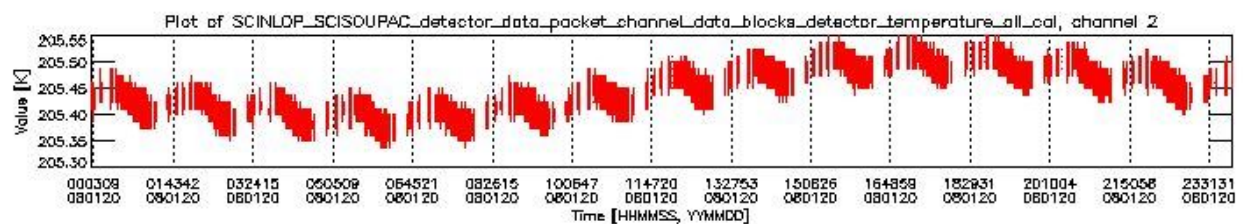
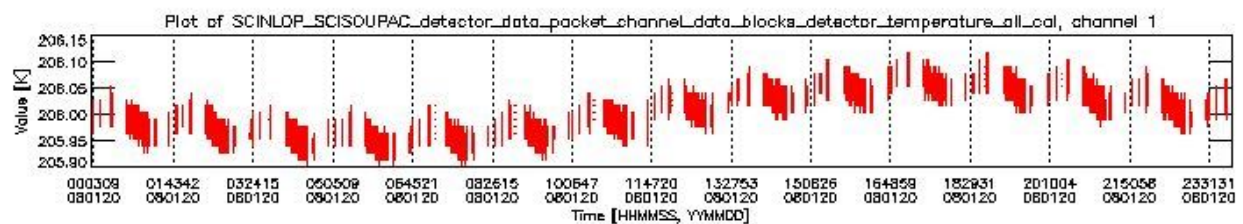
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080120_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080120_3.PNG

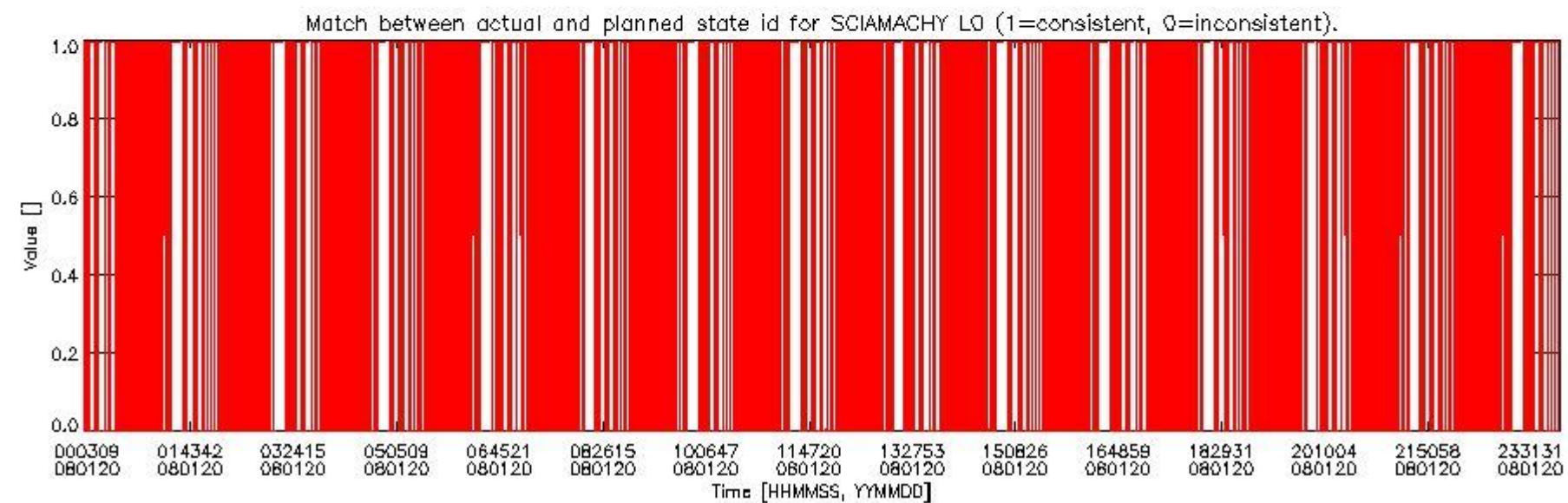
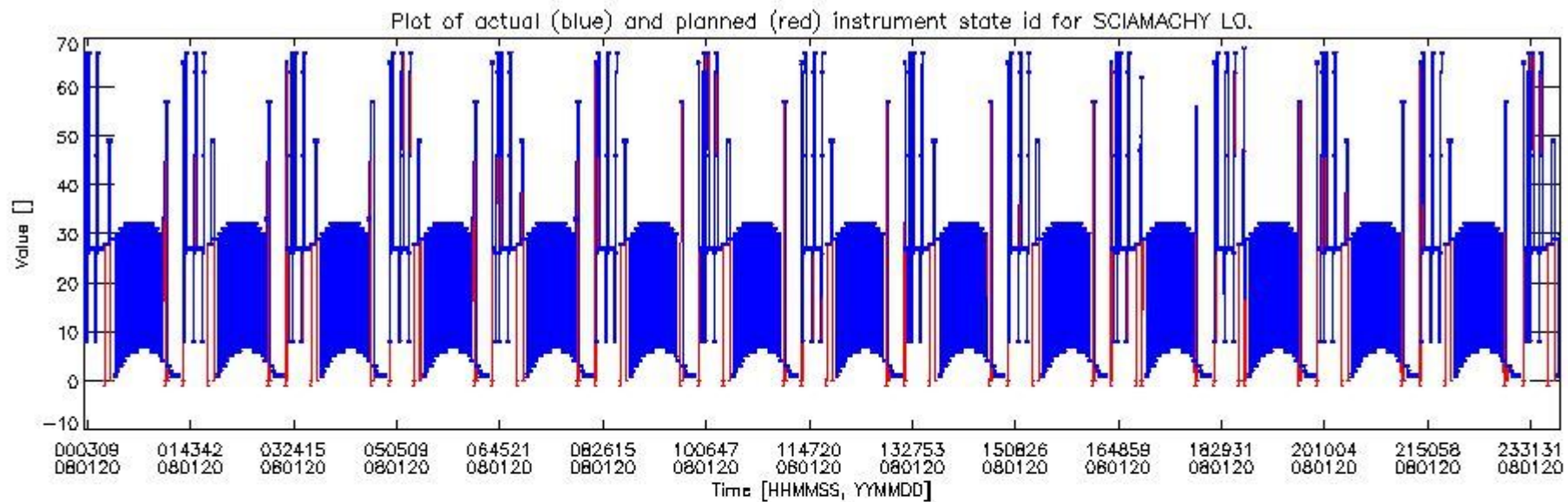


0.3 State monitoring

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: **37707**

#	Actual time	Actual value	Planned time	Planned value
0	20JAN2008 00:00:03.334120	63	20JAN2008 00:00:03.334120	46
1	20JAN2008 00:00:03.959142	63	20JAN2008 00:00:03.959142	46
2	20JAN2008 00:00:04.459119	63	20JAN2008 00:00:04.459119	46
3	20JAN2008 00:00:04.959136	63	20JAN2008 00:00:04.959136	46
4	20JAN2008 00:00:05.459113	63	20JAN2008 00:00:05.459113	46
5	20JAN2008 00:00:05.959131	63	20JAN2008 00:00:05.959131	46
6	20JAN2008 00:00:06.459108	63	20JAN2008 00:00:06.459108	46
7	20JAN2008 00:00:06.959125	63	20JAN2008 00:00:06.959125	46
8	20JAN2008 00:00:07.459143	63	20JAN2008 00:00:07.459143	46
9	20JAN2008 00:00:07.959120	63	20JAN2008 00:00:07.959120	46
10	20JAN2008 00:00:08.334133	63	20JAN2008 00:00:08.334133	46
11	20JAN2008 00:00:08.459137	63	20JAN2008 00:00:08.459137	46
12	20JAN2008 00:00:08.959115	63	20JAN2008 00:00:08.959115	46
13	20JAN2008 00:00:09.459132	63	20JAN2008 00:00:09.459132	46
14	20JAN2008 00:00:09.959109	63	20JAN2008 00:00:09.959109	46
15	20JAN2008 00:00:10.459127	63	20JAN2008 00:00:10.459127	46
16	20JAN2008 00:00:10.959144	63	20JAN2008 00:00:10.959144	46
17	20JAN2008 00:00:11.459121	63	20JAN2008 00:00:11.459121	46
18	20JAN2008 00:00:36.892739	67	20JAN2008 00:00:36.892739	63
19	20JAN2008 00:00:37.142707	67	20JAN2008 00:00:37.142707	63

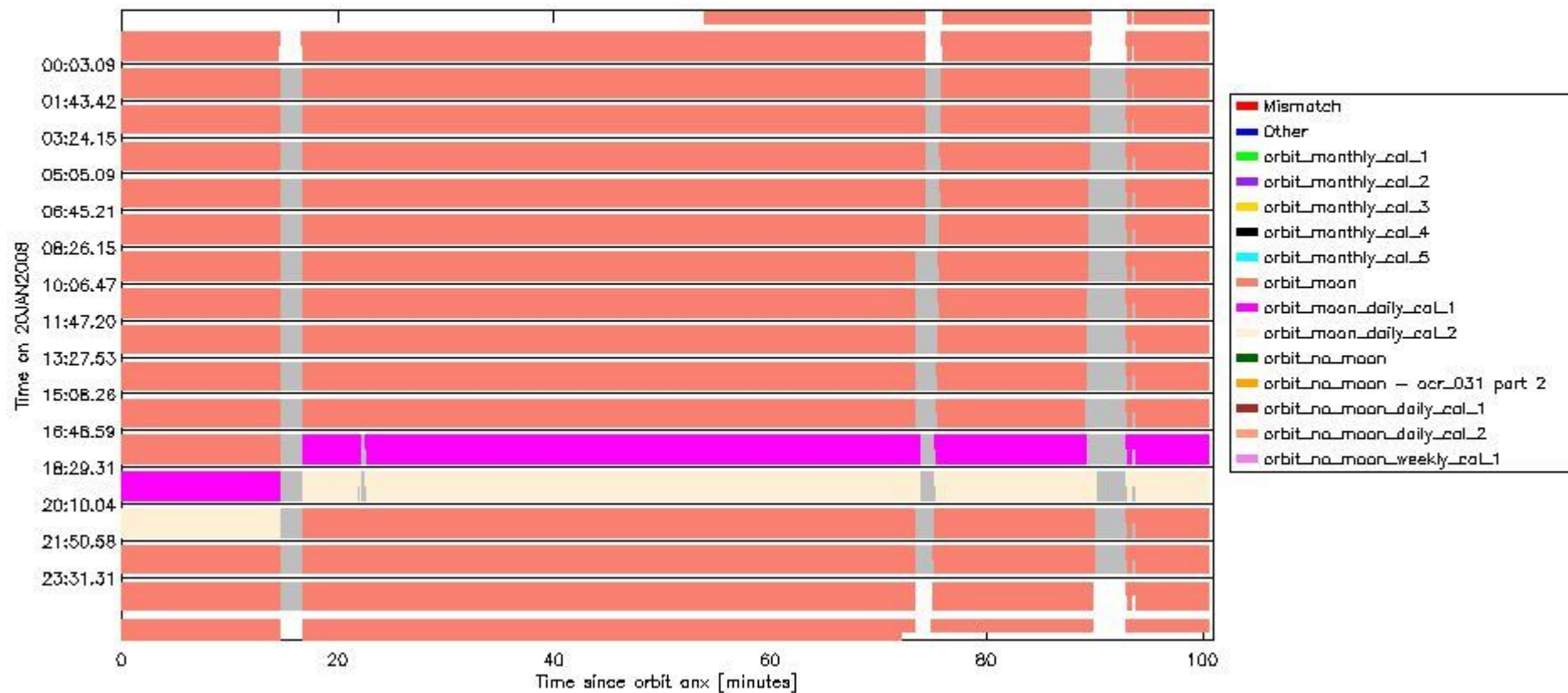


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080120_5.PNG

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 20JAN2008.
 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_20080120_6.PNG

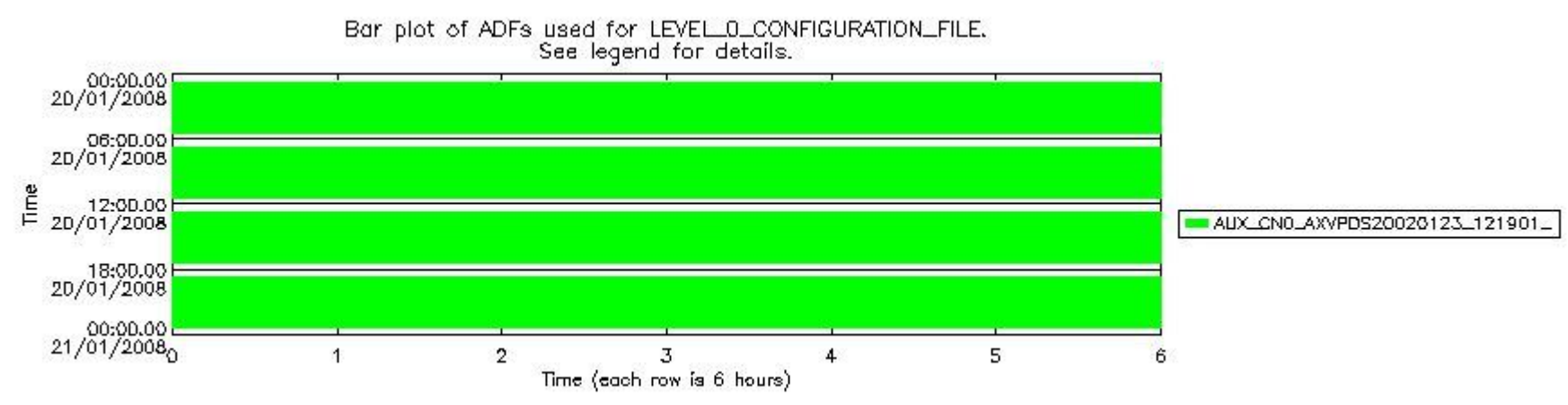
0.4 ADF monitoring

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

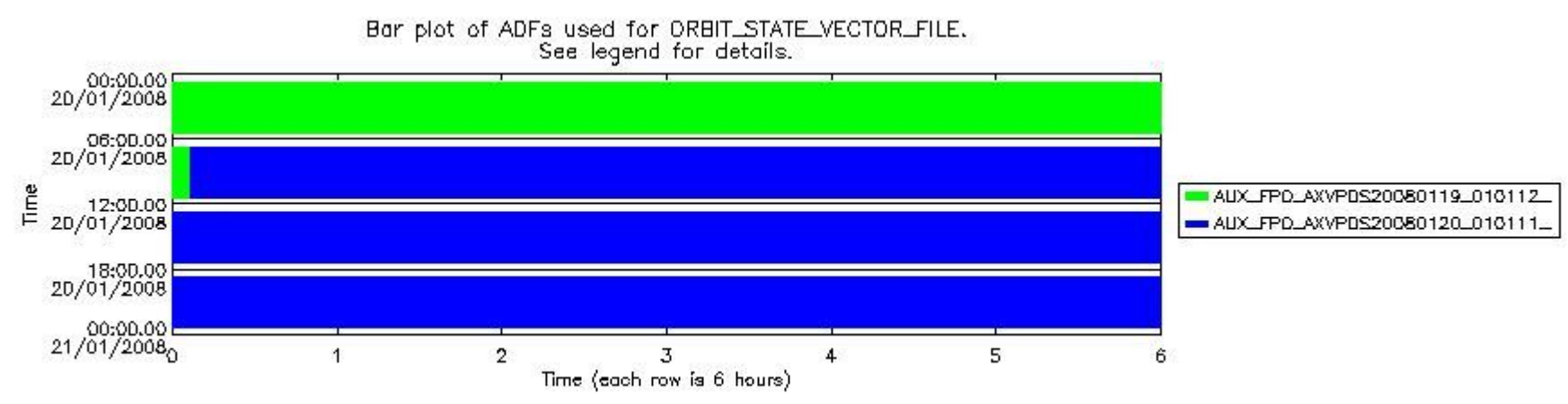
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

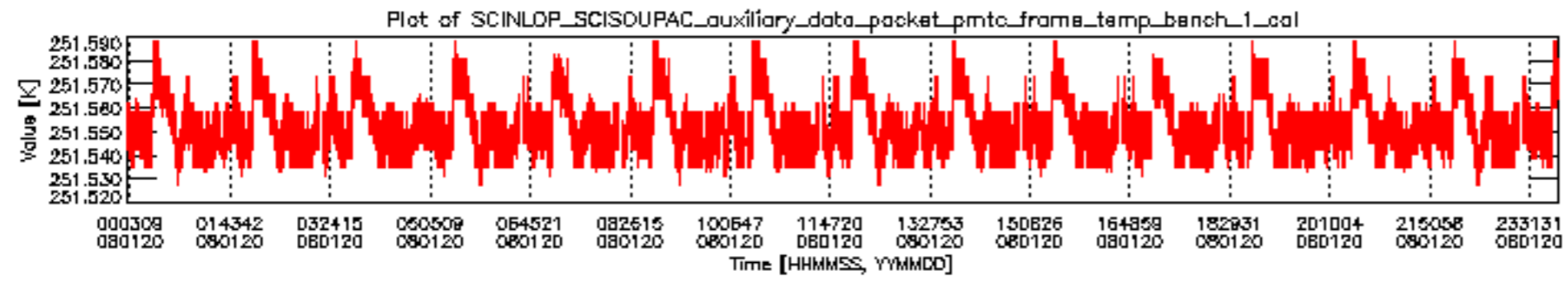
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080119_010112_20080118_193255_20080128_205908
2	AUX_FPO_AXVPDS20080120_010111_20080119_190118_20080129_202731

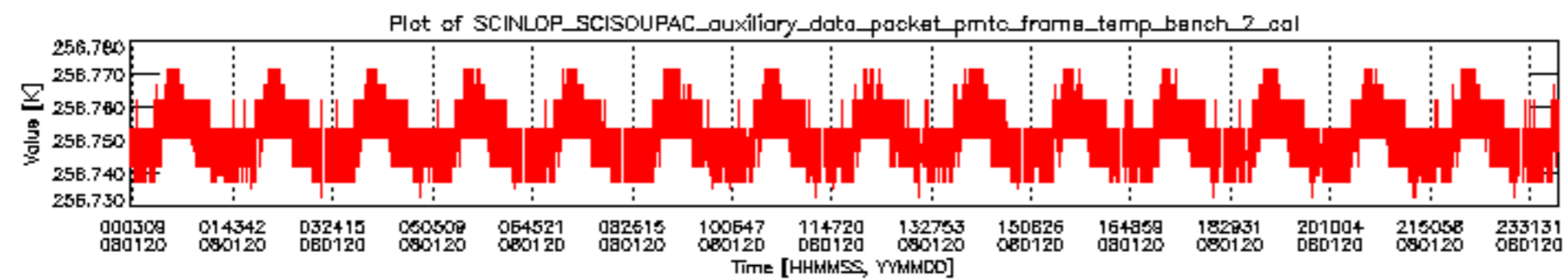


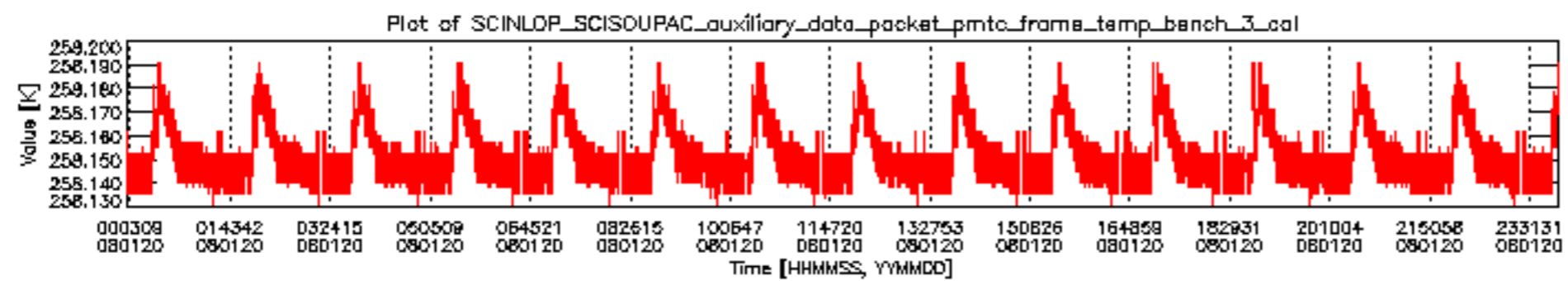
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080120_7.PNG

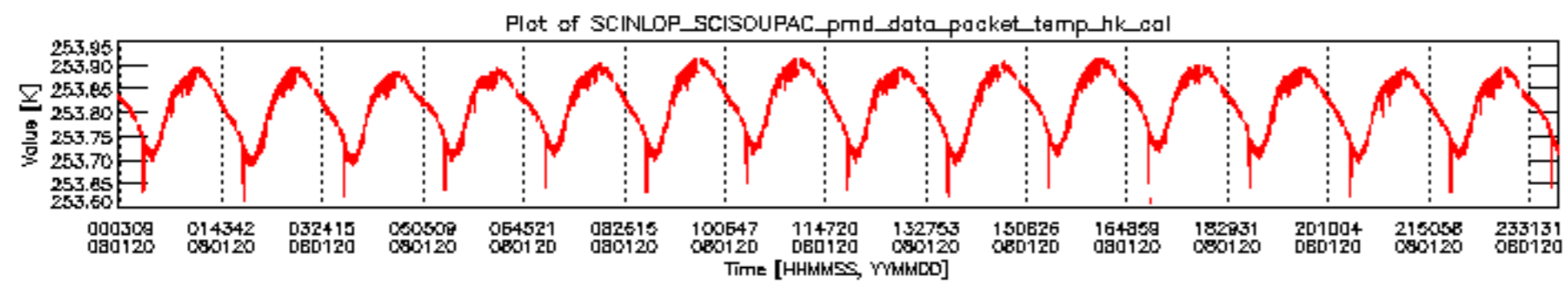


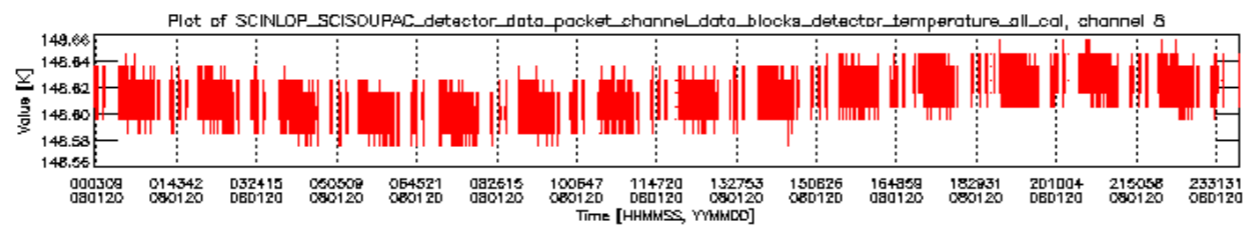
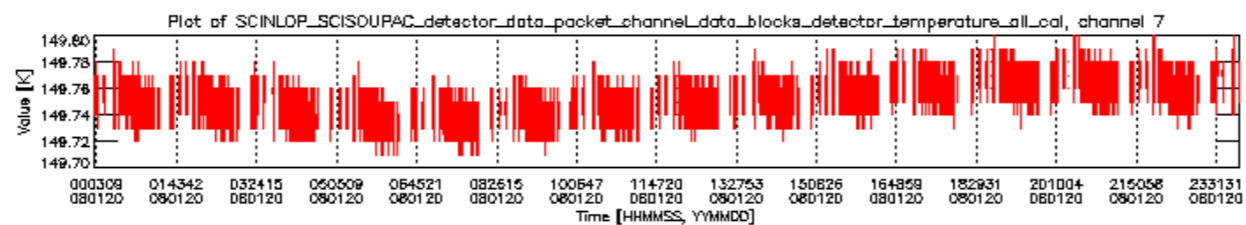
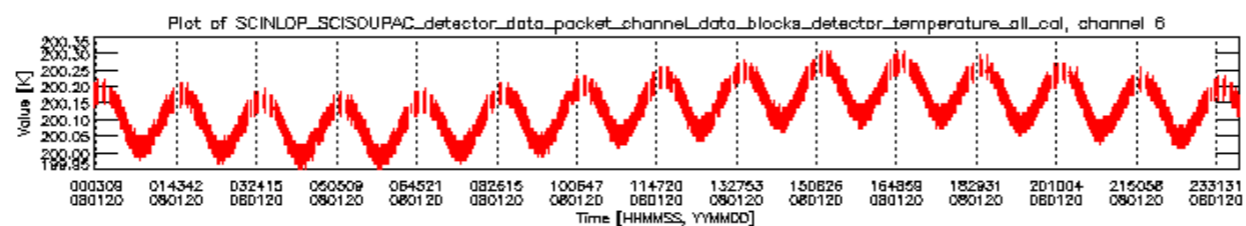
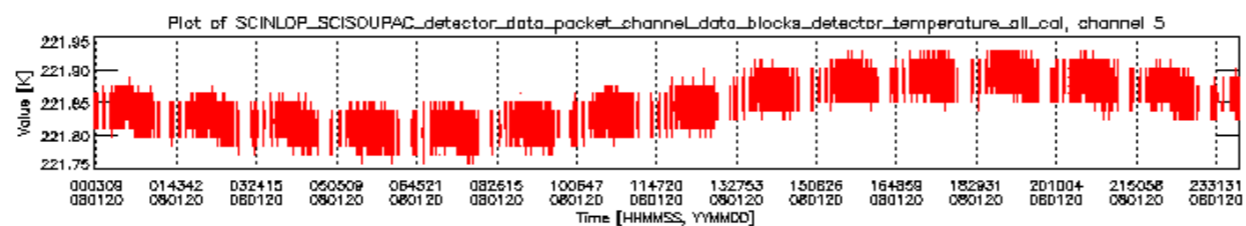
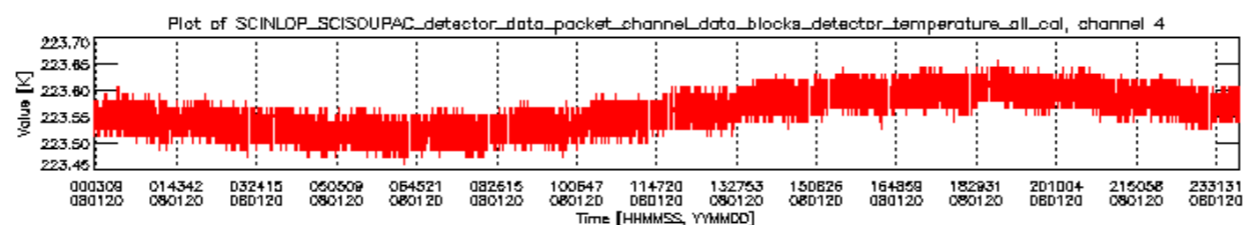
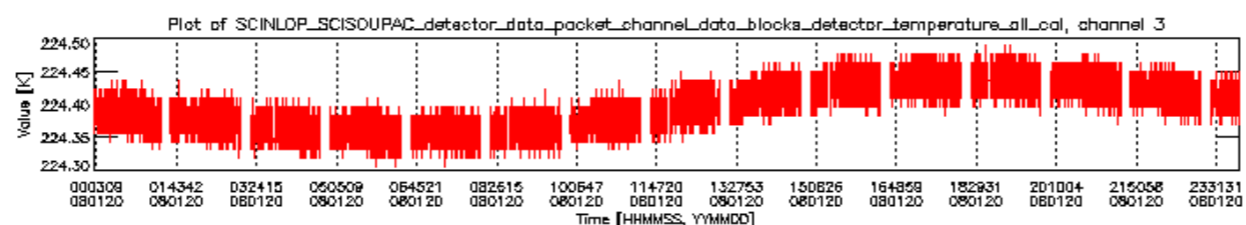
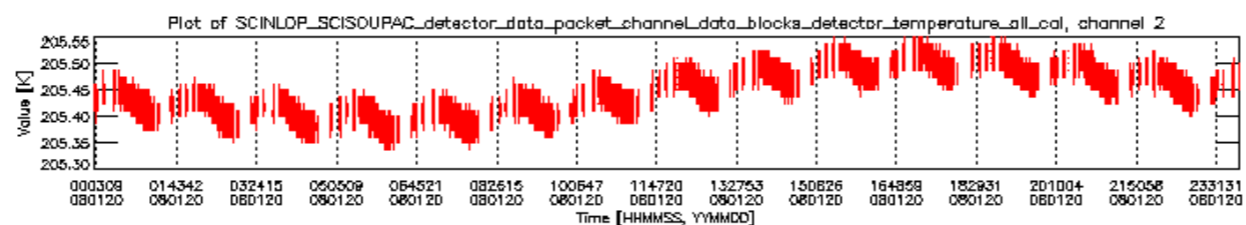
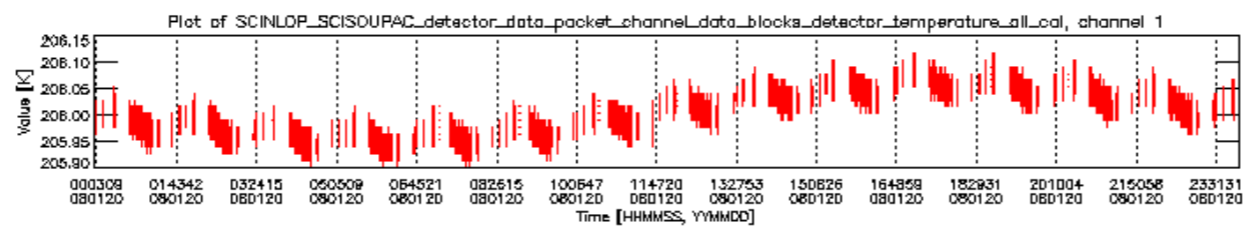
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080120_8.PNG











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