

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	26JAN2009 04:45:22
Data source version	KSPT_L0/4303-N
Processing scope for products	22JAN2009 00:00:00 to 23JAN2009 00:00:00
Start time of first product within scope	21JAN2009 22:49:16
Stop time of last product within scope	23JAN2009 01:31:34
Total number of level 0 products	17
Number of level 0 products with errors	0

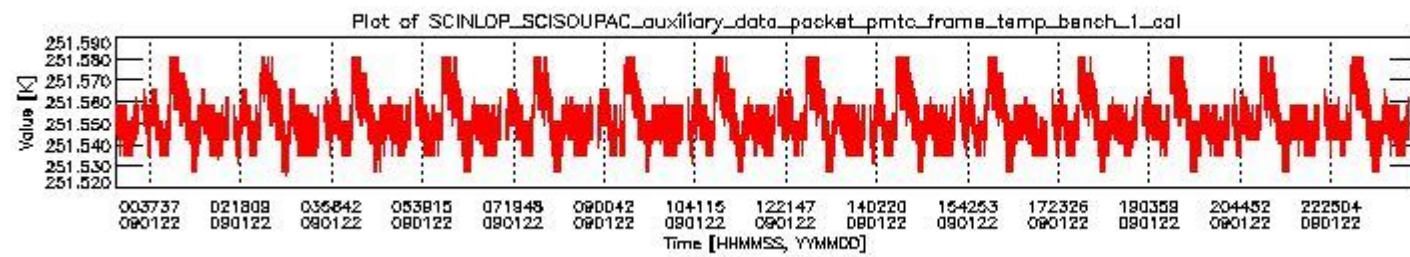
0.1.2 Summary per product

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

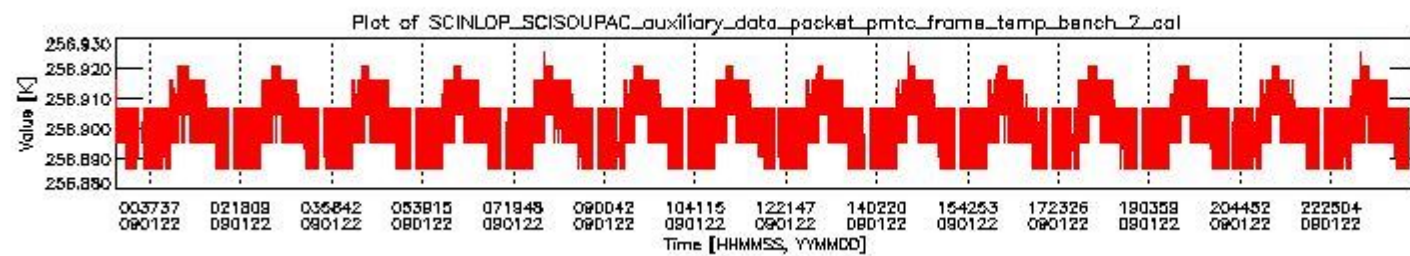
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090121_224916_000055922075_00430_36055_8340.N1	21JAN2009 22:49:16	22JAN2009 00:22:28	0	0	0	0	0
1	SCI_NL__OPNPDE20090122_002951_000055362075_00431_36056_8341.N1	22JAN2009 00:29:51	22JAN2009 02:02:07	0	0	0	0	0
2	SCI_NL__OPNPDE20090122_020059_000048522075_00432_36057_8342.N1	22JAN2009 02:00:59	22JAN2009 03:21:51	0	0	0	0	0
3	SCI_NL__OPNPDE20090122_032151_000058552075_00433_36058_8343.N1	22JAN2009 03:21:51	22JAN2009 04:59:26	0	0	0	0	0
4	SCI_NL__OPNPDE20090122_045926_000060362075_00434_36059_8344.N1	22JAN2009 04:59:26	22JAN2009 06:40:02	0	0	0	0	0
5	SCI_NL__OPNPDK20090122_063853_000039892075_00435_36060_0517.N1	22JAN2009 06:38:53	22JAN2009 07:45:22	0	0	0	0	0
6	SCI_NL__OPNPDK20090122_074426_000060912075_00436_36061_0518.N1	22JAN2009 07:44:26	22JAN2009 09:25:58	0	0	0	0	0
7	SCI_NL__OPNPDK20090122_092502_000061602075_00437_36062_0519.N1	22JAN2009 09:25:02	22JAN2009 11:07:42	0	0	0	0	0
8	SCI_NL__OPNPDK20090122_110633_000059242075_00438_36063_0520.N1	22JAN2009 11:06:33	22JAN2009 12:45:17	0	0	0	0	0
9	SCI_NL__OPNPDK20090122_124421_000060912075_00439_36064_0521.N1	22JAN2009 12:44:21	22JAN2009 14:25:53	0	0	0	0	0
10	SCI_NL__OPNPDK20090122_142239_000060362075_00440_36065_0522.N1	22JAN2009 14:22:39	22JAN2009 16:03:14	0	0	0	0	0
11	SCI_NL__OPNPDK20090122_160314_000058672075_00441_36066_0523.N1	22JAN2009 16:03:14	22JAN2009 17:41:01	0	0	0	0	0
12	SCI_NL__OPNPDK20090122_174006_000060362075_00442_36067_0524.N1	22JAN2009 17:40:06	22JAN2009 19:20:41	0	0	0	0	0
13	SCI_NL__OPNPDK20090122_192041_000058222075_00443_36068_0525.N1	22JAN2009 19:20:41	22JAN2009 20:57:44	0	0	0	0	0
14	SCI_NL__OPNPDE20090122_205744_000043592075_00444_36069_8345.N1	22JAN2009 20:57:44	22JAN2009 22:10:23	0	0	0	0	0
15	SCI_NL__OPNPDE20090122_221735_000055912075_00444_36069_8346.N1	22JAN2009 22:17:35	22JAN2009 23:50:46	0	0	0	0	0
16	SCI_NL__OPNPDE20090122_235810_000056042075_00445_36070_8347.N1	22JAN2009 23:58:10	23JAN2009 01:31:34	0	0	0	0	0

0.2 Product Quality Indicators

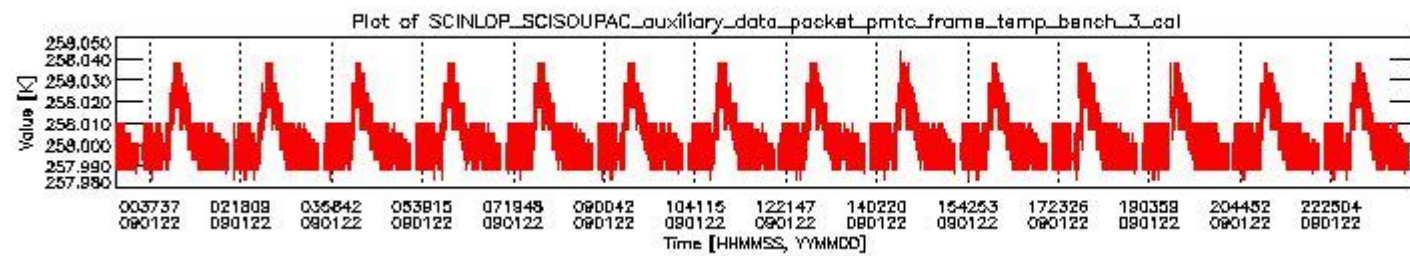
This section shows information about product quality, currently temperatures.



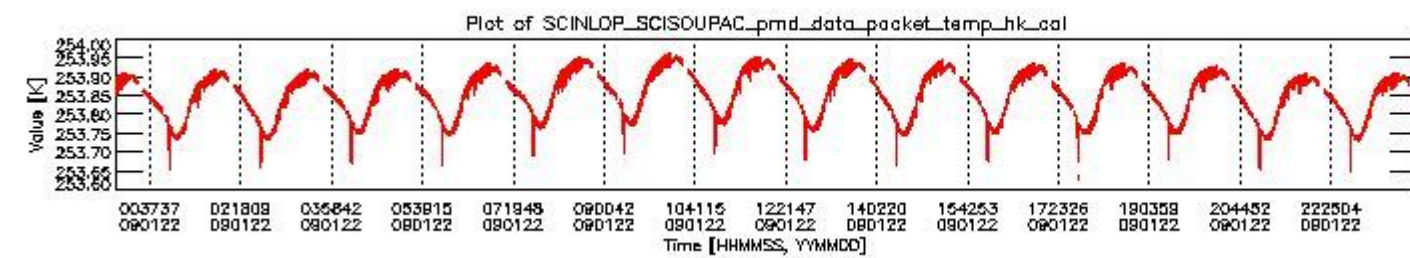
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090122_0.PNG



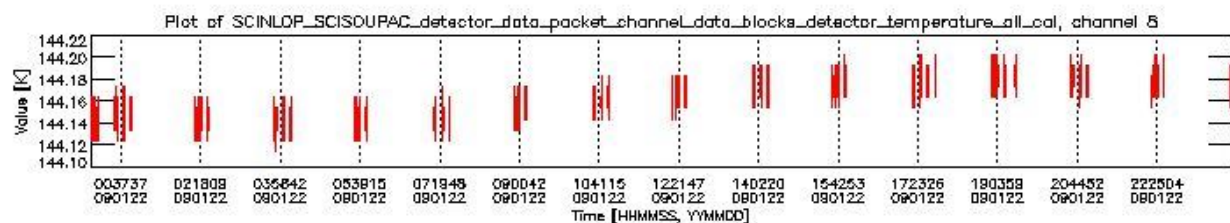
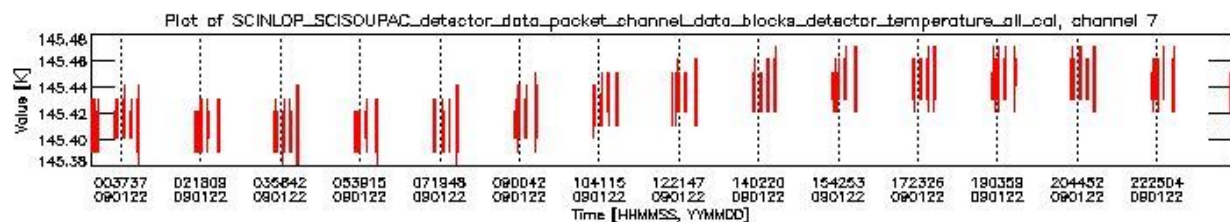
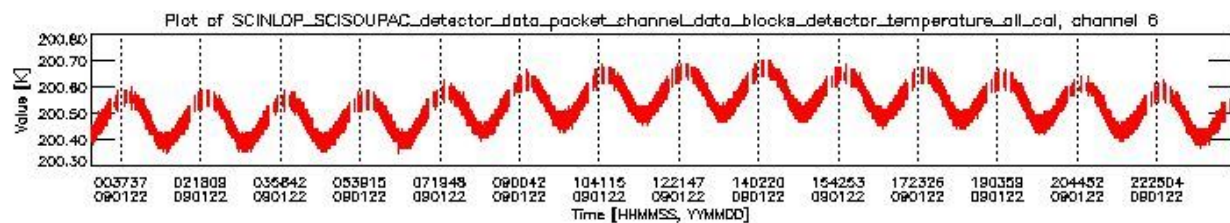
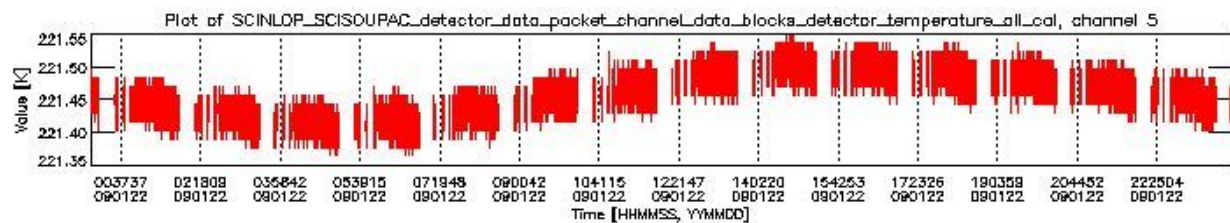
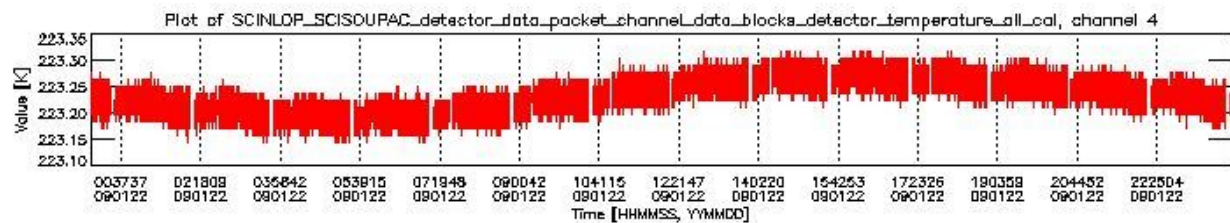
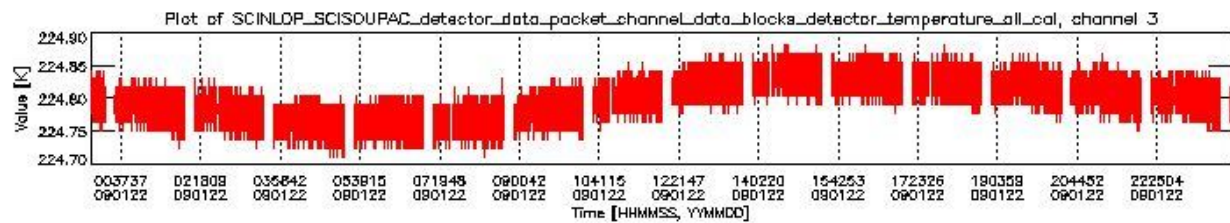
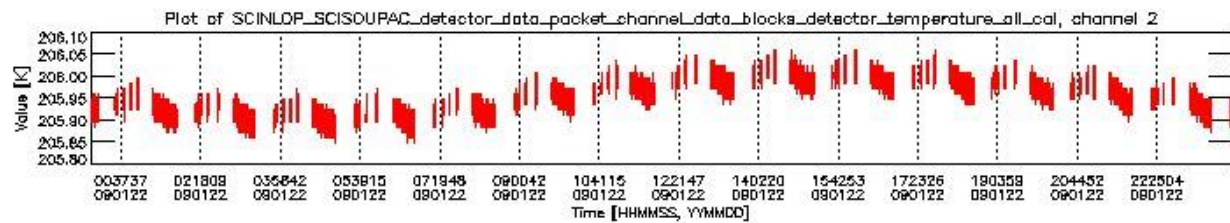
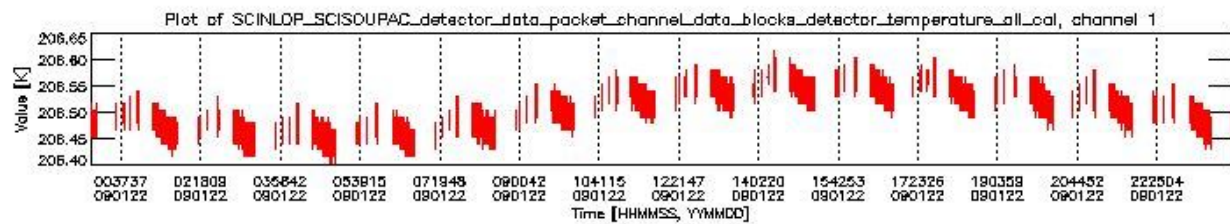
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090122_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090122_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090122_3.PNG

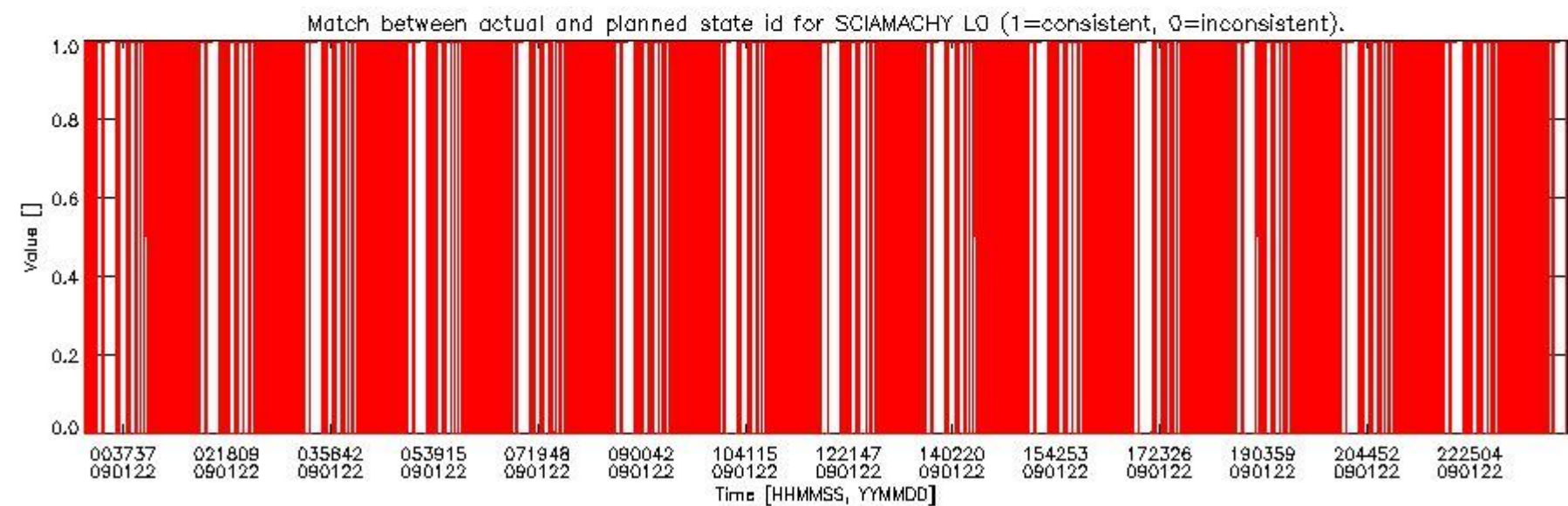
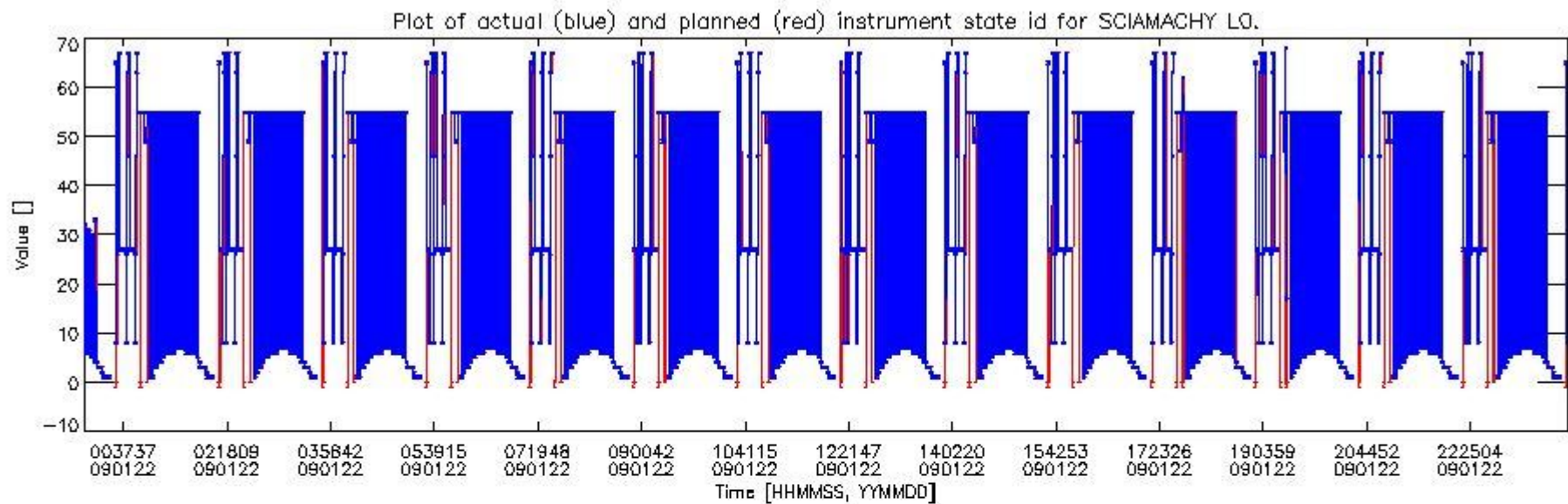


0.3 State monitoring

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: **57219**

#	Actual time	Actual value	Planned time	Planned value
0	22JAN2009 00:00:40.498151	6	22JAN2009 00:00:40.498151	32
1	22JAN2009 00:00:40.873164	6	22JAN2009 00:00:40.873164	32
2	22JAN2009 00:00:41.123132	6	22JAN2009 00:00:41.123132	32
3	22JAN2009 00:00:41.373141	6	22JAN2009 00:00:41.373141	32
4	22JAN2009 00:00:41.623150	6	22JAN2009 00:00:41.623150	32
5	22JAN2009 00:00:41.873159	6	22JAN2009 00:00:41.873159	32
6	22JAN2009 00:00:42.123167	6	22JAN2009 00:00:42.123167	32
7	22JAN2009 00:00:42.373136	6	22JAN2009 00:00:42.373136	32
8	22JAN2009 00:00:42.623144	6	22JAN2009 00:00:42.623144	32
9	22JAN2009 00:00:42.873153	6	22JAN2009 00:00:42.873153	32
10	22JAN2009 00:00:43.123162	6	22JAN2009 00:00:43.123162	32
11	22JAN2009 00:00:43.373170	6	22JAN2009 00:00:43.373170	32
12	22JAN2009 00:00:43.623139	6	22JAN2009 00:00:43.623139	32
13	22JAN2009 00:00:43.873148	6	22JAN2009 00:00:43.873148	32
14	22JAN2009 00:00:44.123156	6	22JAN2009 00:00:44.123156	32
15	22JAN2009 00:00:44.373165	6	22JAN2009 00:00:44.373165	32
16	22JAN2009 00:00:44.623134	6	22JAN2009 00:00:44.623134	32
17	22JAN2009 00:00:44.873142	6	22JAN2009 00:00:44.873142	32
18	22JAN2009 00:00:45.123151	6	22JAN2009 00:00:45.123151	32
19	22JAN2009 00:00:45.373160	6	22JAN2009 00:00:45.373160	32

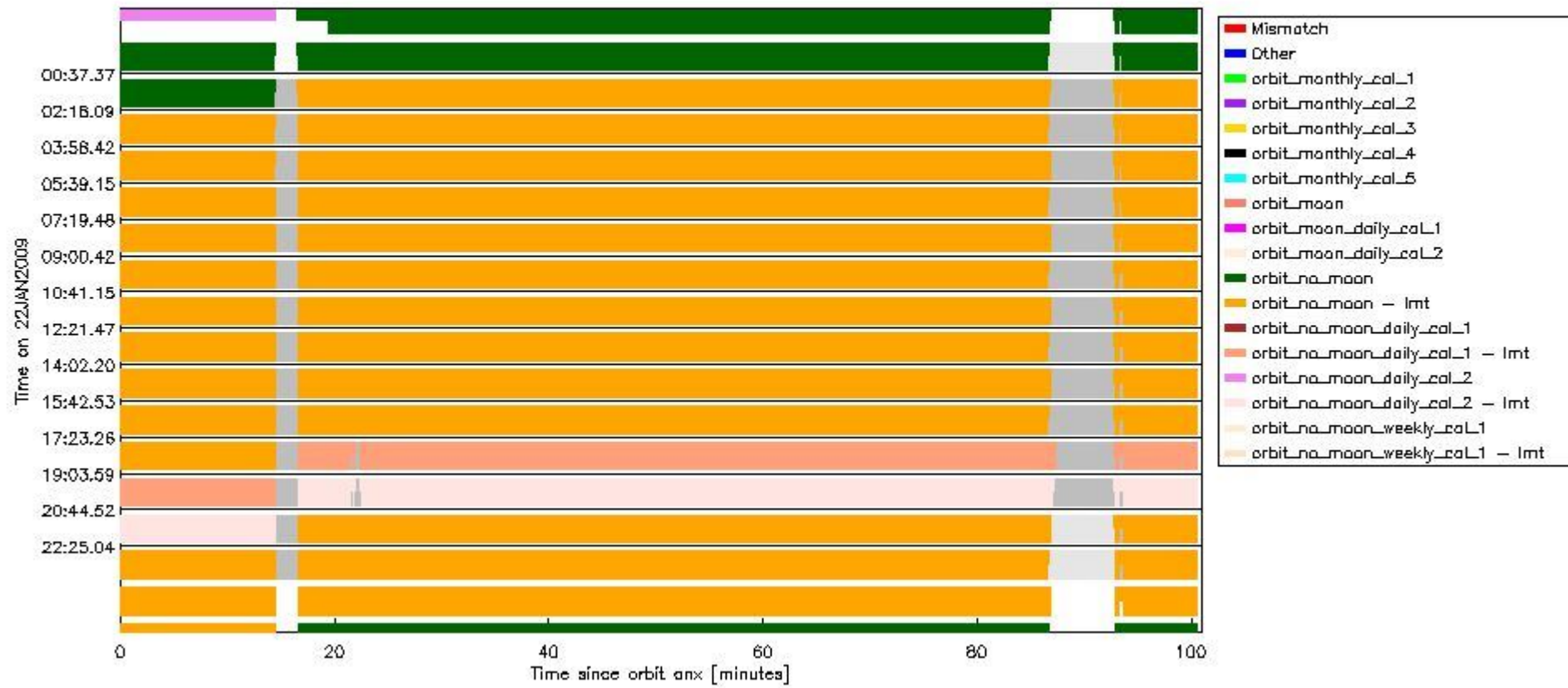


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090122_5.PNG

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 22JAN2009.
 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_20090122_6.PNG

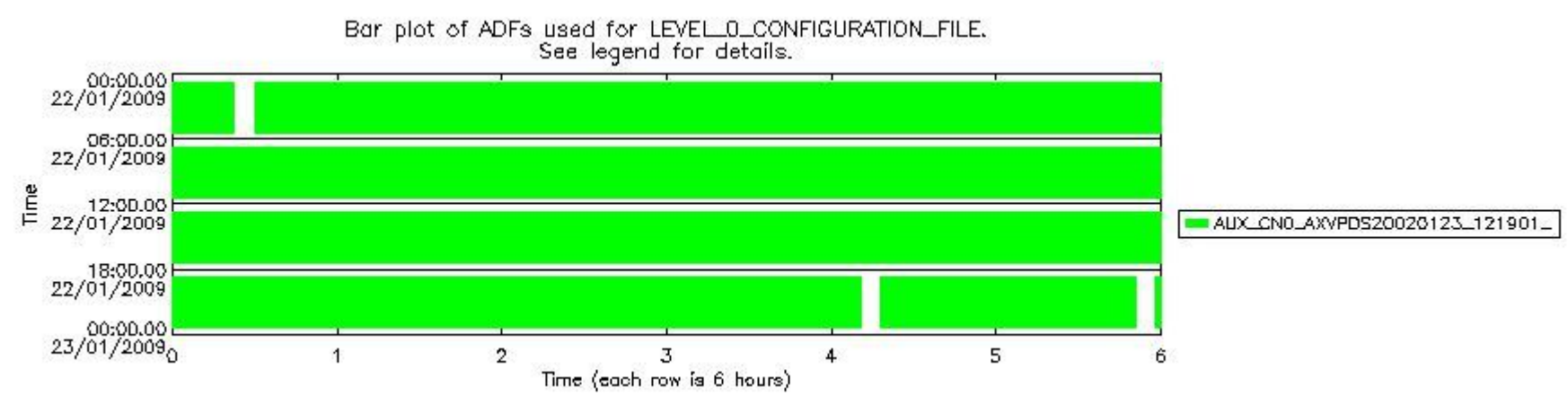
0.4 ADF monitoring

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

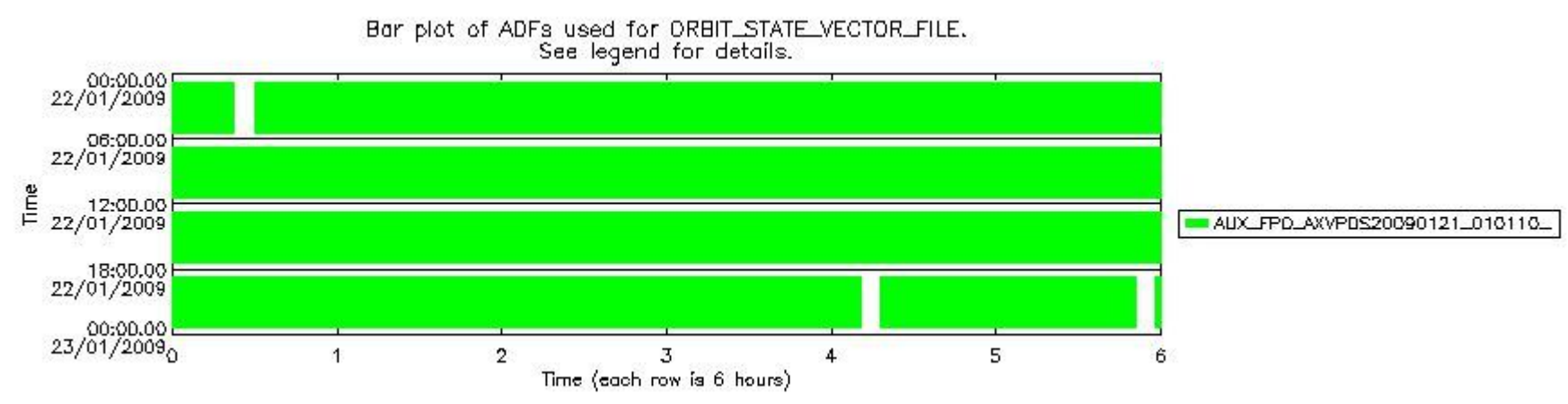
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

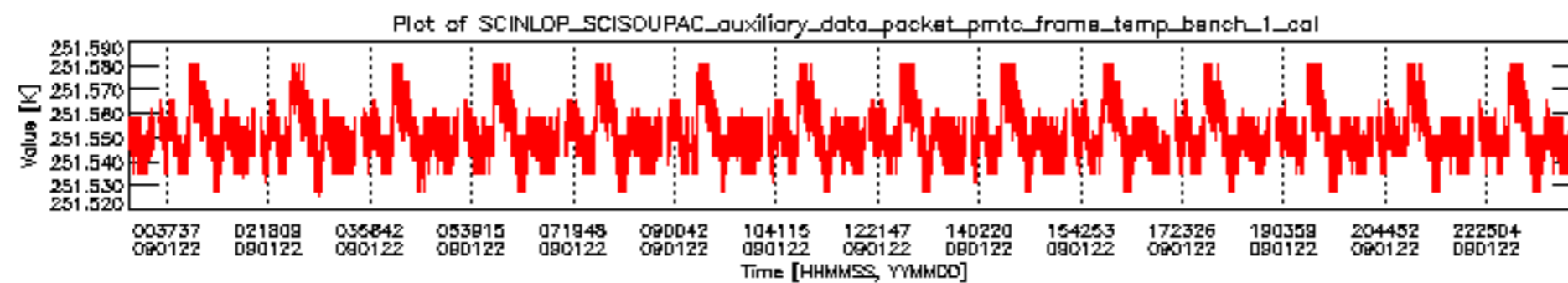
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090121_010110_20090120_182645_20090130_213333

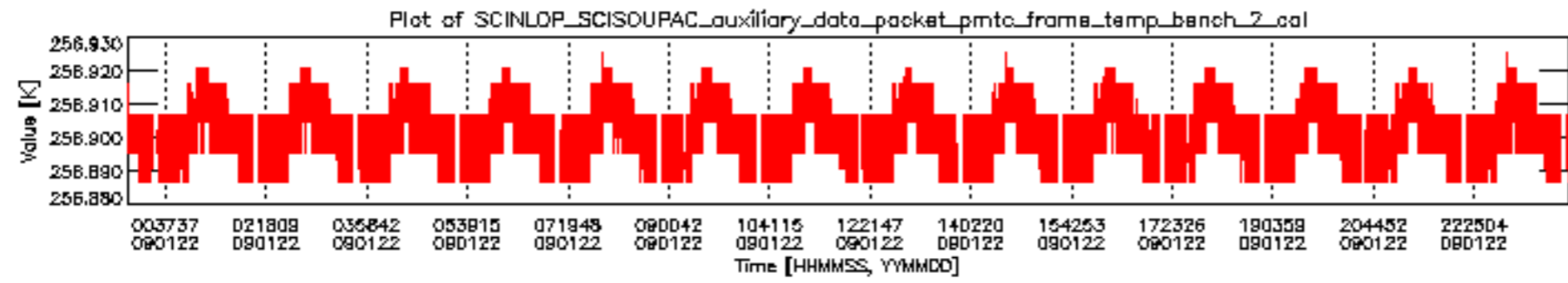


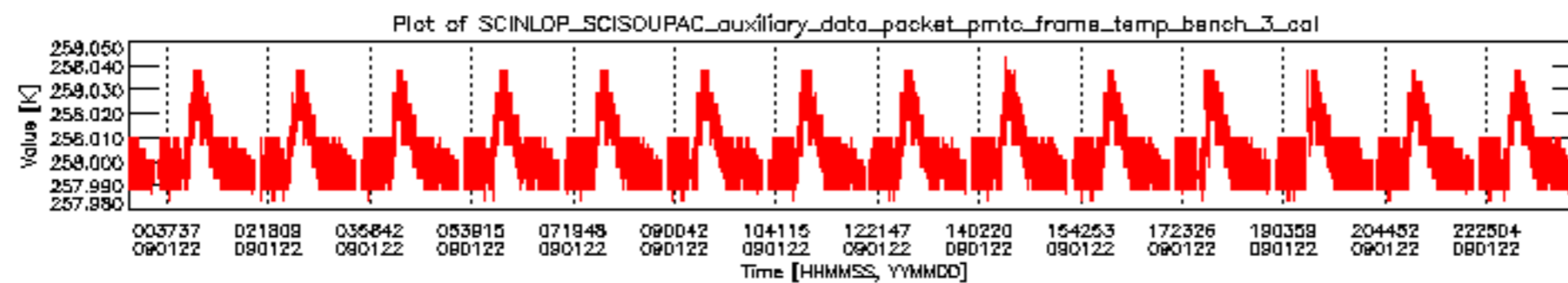
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090122_7.PNG

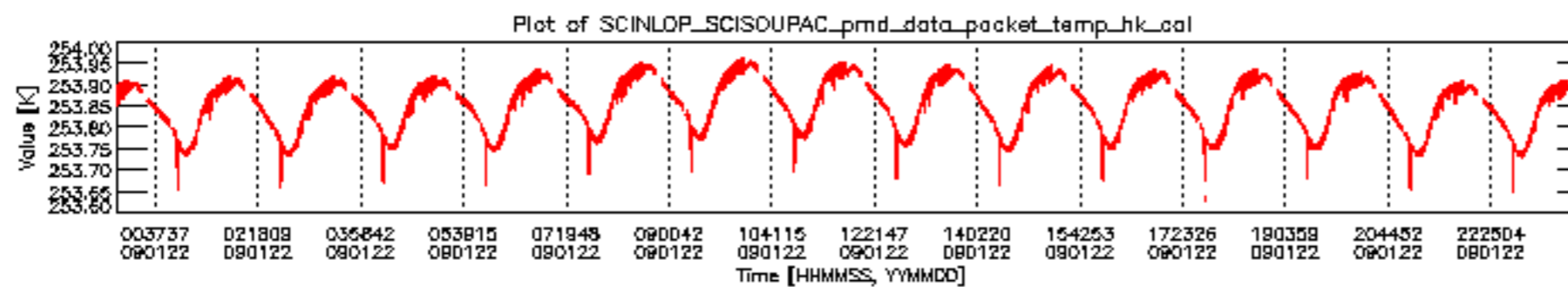


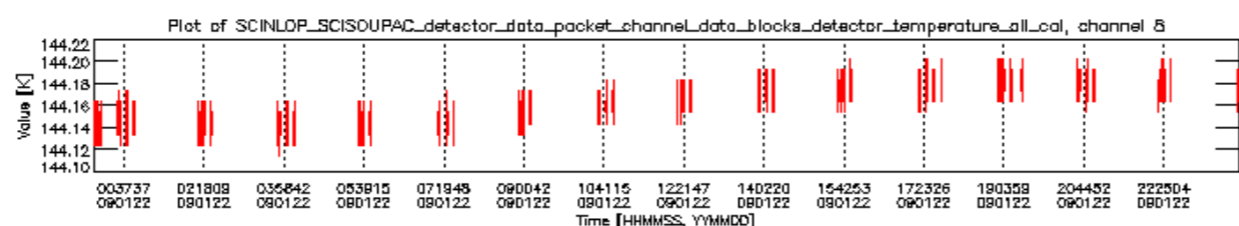
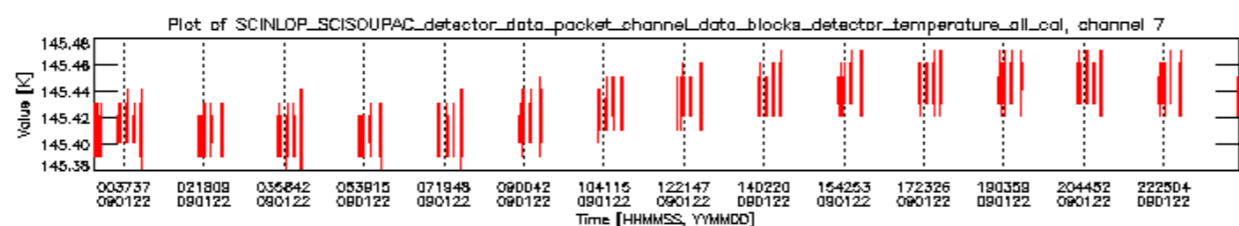
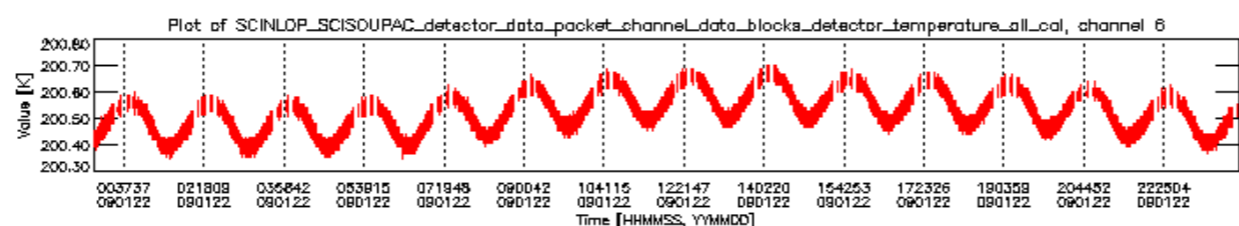
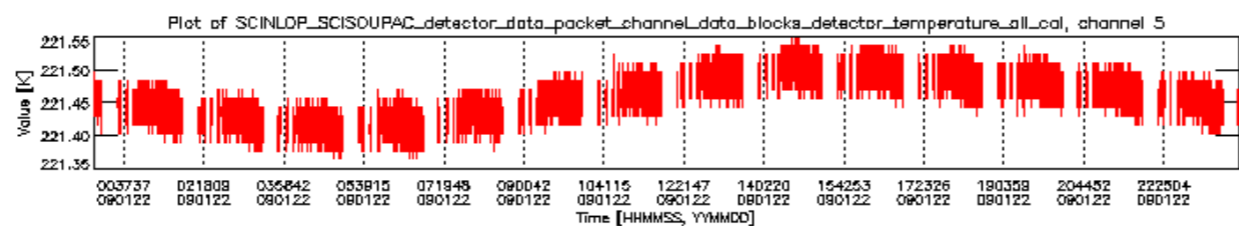
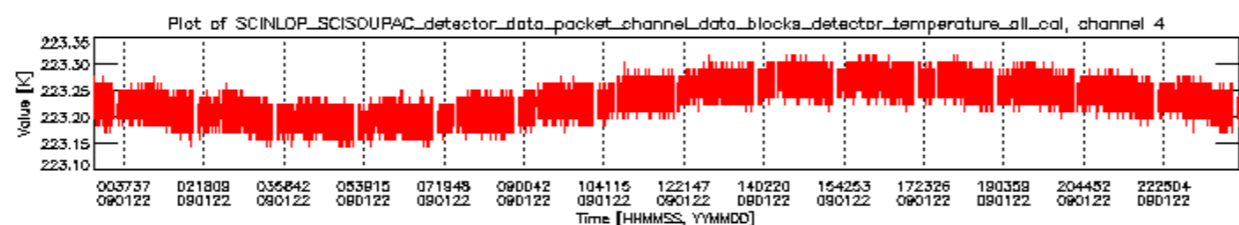
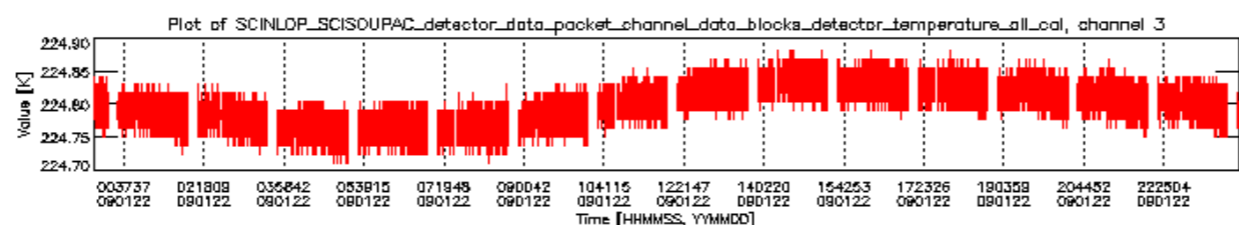
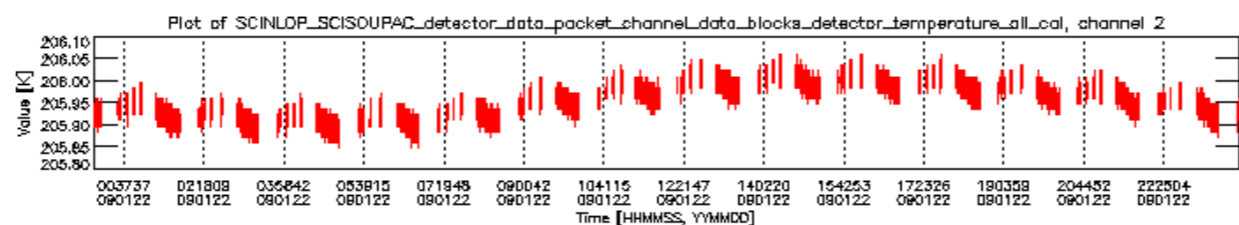
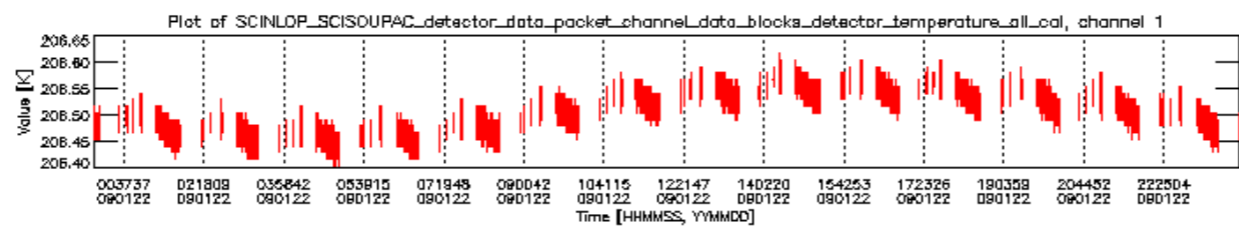
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090122_8.PNG











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