

0. SCIAMACHY Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Product Quality Indicators](#)

[0.3 State monitoring](#)

[0.4 ADF monitoring](#)

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	07DEC2008 04:09:43
Data source version	KSPT_L0/4303-N
Processing scope for products	03DEC2008 00:00:00 to 04DEC2008 00:00:00
Start time of first product within scope	03DEC2008 00:01:16
Stop time of last product within scope	04DEC2008 01:04:14
Total number of level 0 products	16
Number of level 0 products with errors	0

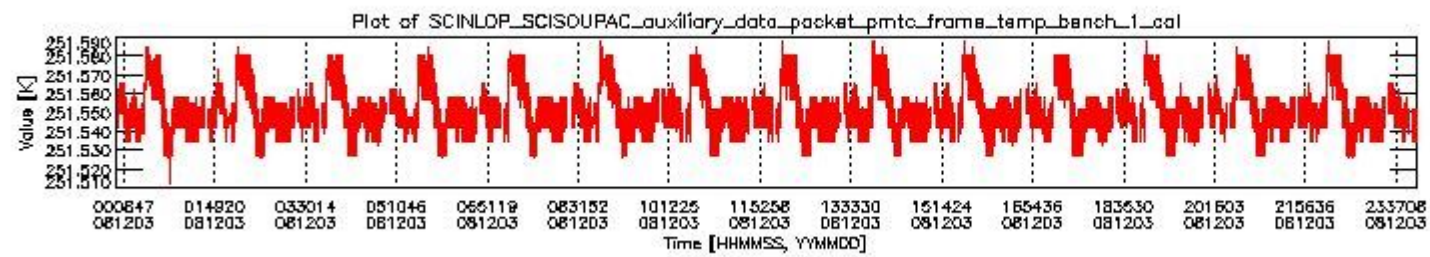
0.1.2 Summary per product

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

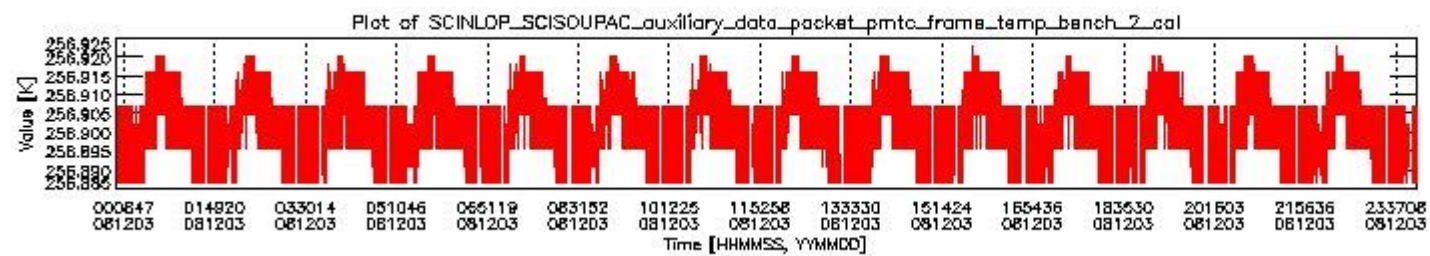
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081203_000116_000056732074_00216_35340_8015.N1	03DEC2008 00:01:16	03DEC2008 01:35:49	0	0	0	0	0
1	SCI_NL__OPNPDE20081203_013441_000047282074_00217_35341_8016.N1	03DEC2008 01:34:41	03DEC2008 02:53:29	0	0	0	0	0
2	SCI_NL__OPNPDE20081203_025220_000058562074_00218_35342_8017.N1	03DEC2008 02:52:20	03DEC2008 04:29:56	0	0	0	0	0
3	SCI_NL__OPNPDE20081203_042956_000060362074_00219_35343_8018.N1	03DEC2008 04:29:56	03DEC2008 06:10:32	0	0	0	0	0
4	SCI_NL__OPNPDK20081203_061032_000040452074_00220_35344_0090.N1	03DEC2008 06:10:32	03DEC2008 07:17:57	0	0	0	0	0
5	SCI_NL__OPNPDK20081203_071606_000060922074_00221_35345_0091.N1	03DEC2008 07:16:06	03DEC2008 08:57:38	0	0	0	0	0
6	SCI_NL__OPNPDK20081203_085546_000062042074_00222_35346_0092.N1	03DEC2008 08:55:46	03DEC2008 10:39:10	0	0	0	0	0
7	SCI_NL__OPNPDK20081203_103718_000060922074_00223_35347_0093.N1	03DEC2008 10:37:18	03DEC2008 12:18:50	0	0	0	0	0
8	SCI_NL__OPNPDK20081203_121658_000060922074_00224_35348_0094.N1	03DEC2008 12:16:58	03DEC2008 13:58:30	0	0	0	0	0
9	SCI_NL__OPNPDK20081203_135734_000058982074_00225_35349_0095.N1	03DEC2008 13:57:34	03DEC2008 15:35:52	0	0	0	0	0
10	SCI_NL__OPNPDK20081203_153552_000055302074_00226_35350_0096.N1	03DEC2008 15:35:52	03DEC2008 17:08:02	0	0	0	0	0
11	SCI_NL__OPNPDK20081203_171244_000057502074_00227_35351_0097.N1	03DEC2008 17:12:44	03DEC2008 18:48:33	0	0	0	0	0
12	SCI_NL__OPNPDK20081203_185320_000057542074_00228_35352_0098.N1	03DEC2008 18:53:20	03DEC2008 20:29:14	0	0	0	0	0
13	SCI_NL__OPNPDE20081203_203356_000041462074_00229_35353_8019.N1	03DEC2008 20:33:56	03DEC2008 21:43:02	0	0	0	0	0
14	SCI_NL__OPNPDE20081203_214302_000060232074_00229_35353_8020.N1	03DEC2008 21:43:02	03DEC2008 23:23:26	0	0	0	0	0
15	SCI_NL__OPNPDE20081203_232217_000061172074_00230_35354_8021.N1	03DEC2008 23:22:17	04DEC2008 01:04:14	0	0	0	0	0

0.2 Product Quality Indicators

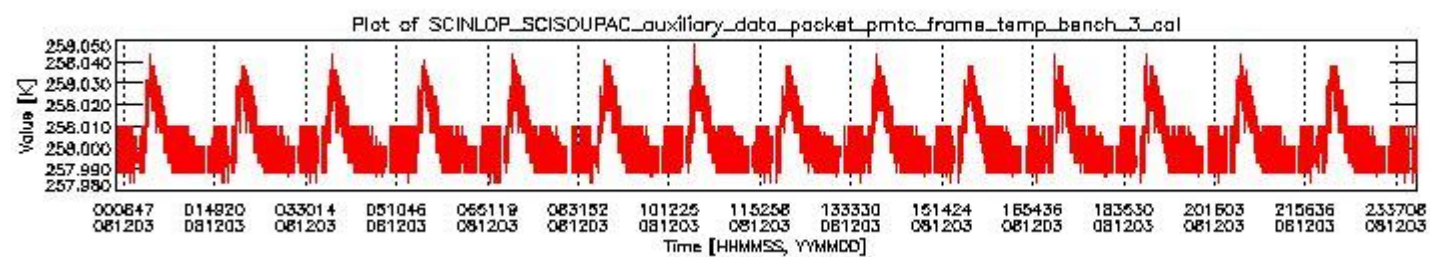
This section shows information about product quality, currently temperatures.



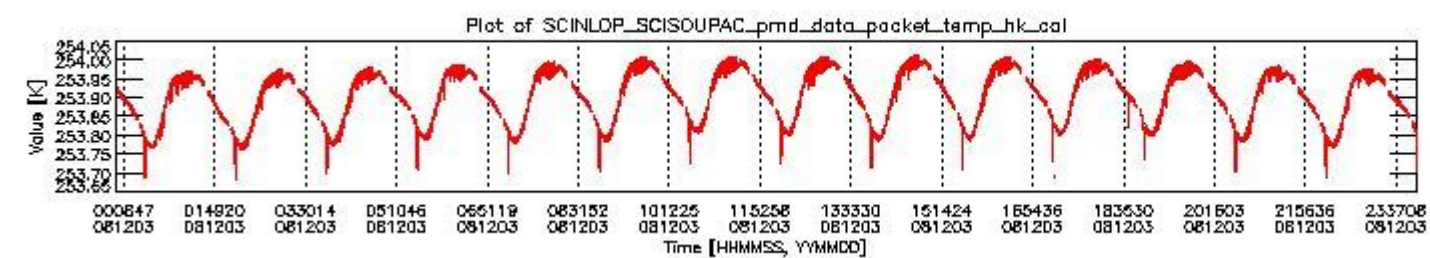
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081203_0.PNG



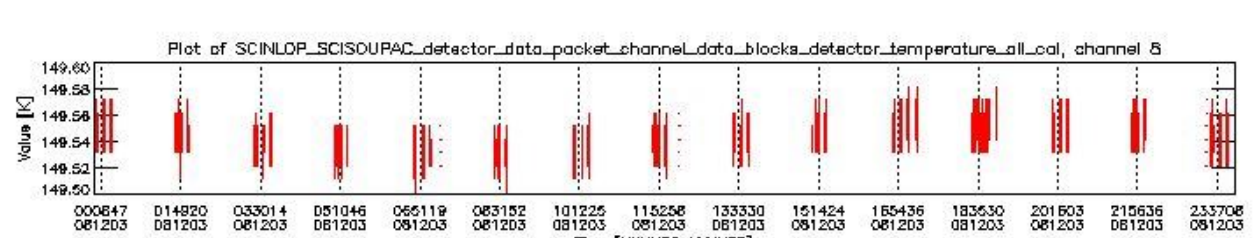
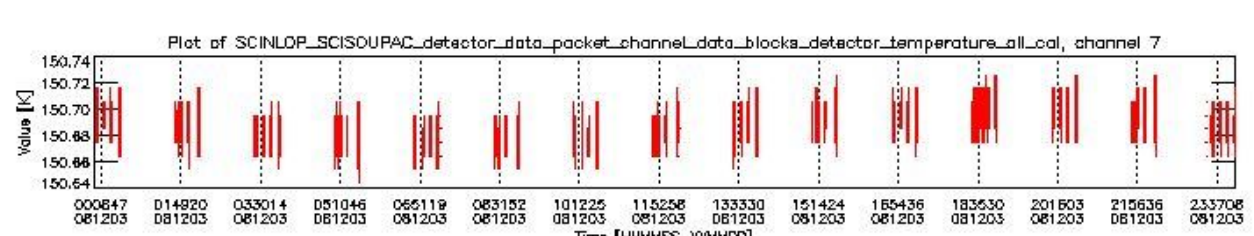
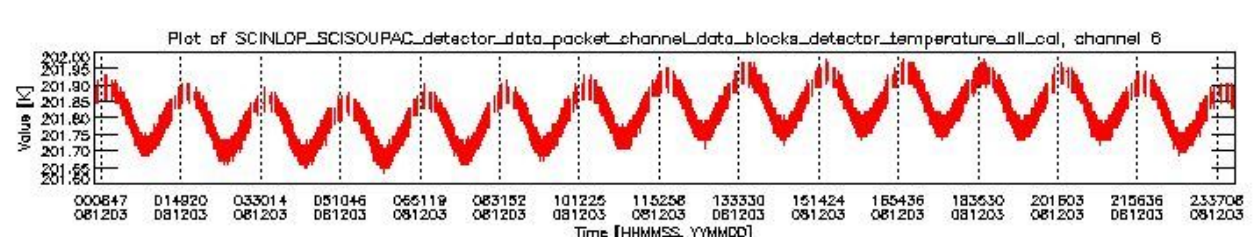
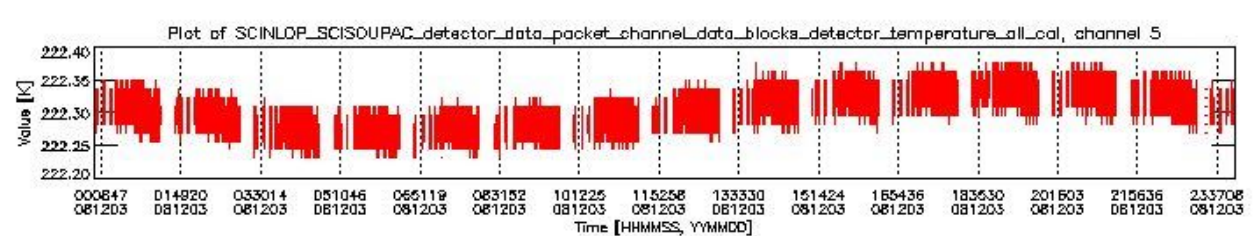
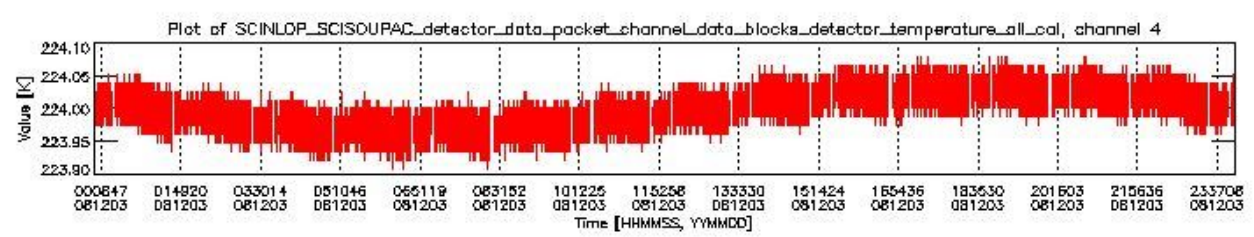
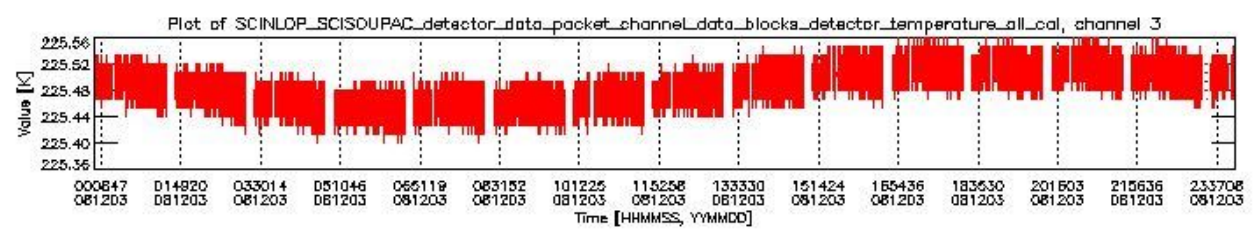
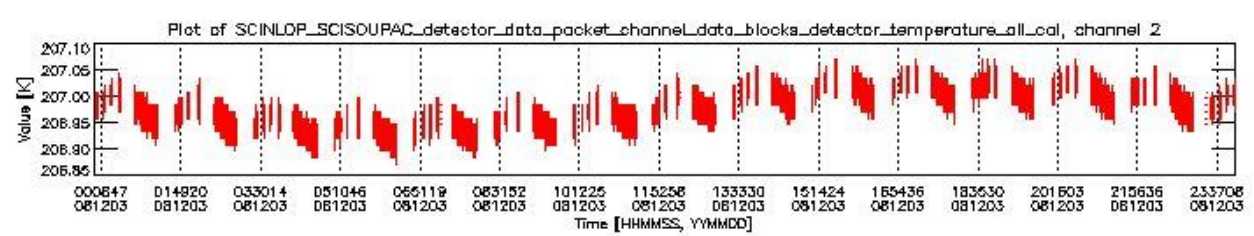
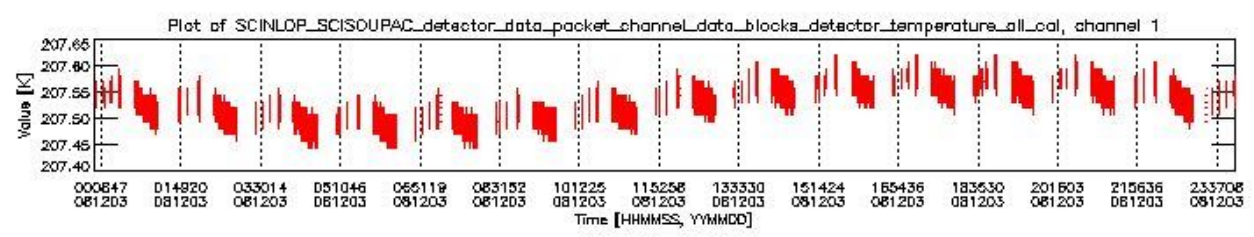
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20081203_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081203_3.PNG

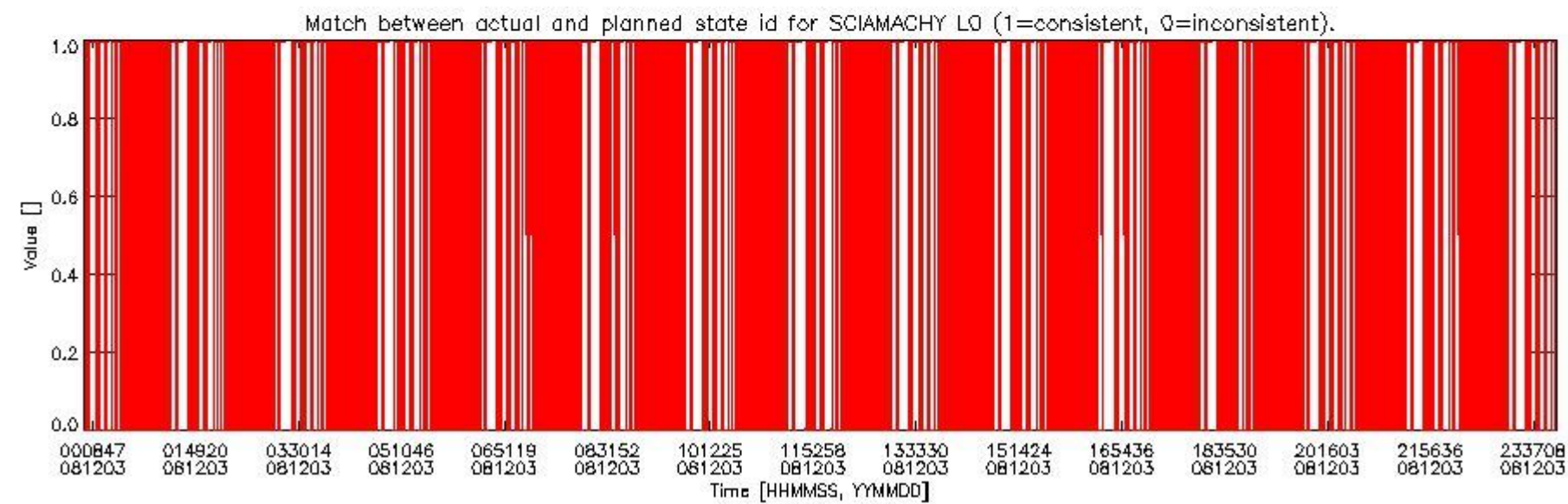
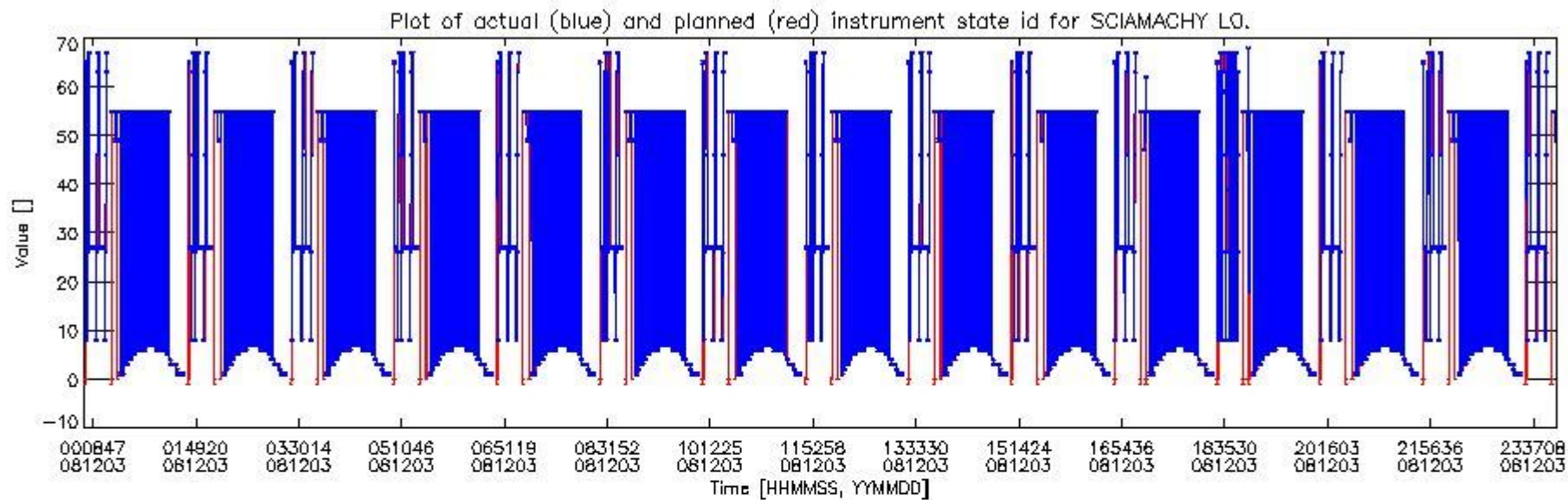


0.3 State monitoring

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: **50791**

#	Actual time	Actual value	Planned time	Planned value
0	03DEC2008 00:01:16.434106	65	03DEC2008 00:01:16.434106	0
1	03DEC2008 00:01:17.059087	65	03DEC2008 00:01:17.059087	0
2	03DEC2008 00:01:17.559105	65	03DEC2008 00:01:17.559105	0
3	03DEC2008 00:01:18.059082	65	03DEC2008 00:01:18.059082	0
4	03DEC2008 00:01:18.559099	65	03DEC2008 00:01:18.559099	0
5	03DEC2008 00:01:19.059076	65	03DEC2008 00:01:19.059076	0
6	03DEC2008 00:01:19.559094	65	03DEC2008 00:01:19.559094	0
7	03DEC2008 00:01:20.059071	65	03DEC2008 00:01:20.059071	0
8	03DEC2008 00:01:20.559088	65	03DEC2008 00:01:20.559088	0
9	03DEC2008 00:01:21.059106	65	03DEC2008 00:01:21.059106	0
10	03DEC2008 00:01:21.434079	65	03DEC2008 00:01:21.434079	0
11	03DEC2008 00:01:21.559083	65	03DEC2008 00:01:21.559083	0
12	03DEC2008 00:01:22.059100	65	03DEC2008 00:01:22.059100	0
13	03DEC2008 00:01:22.559077	65	03DEC2008 00:01:22.559077	0
14	03DEC2008 00:01:23.059095	65	03DEC2008 00:01:23.059095	0
15	03DEC2008 00:01:23.559072	65	03DEC2008 00:01:23.559072	0
16	03DEC2008 00:01:24.059089	65	03DEC2008 00:01:24.059089	0
17	03DEC2008 00:01:24.559107	65	03DEC2008 00:01:24.559107	0
18	03DEC2008 00:01:25.059084	65	03DEC2008 00:01:25.059084	0
19	03DEC2008 00:02:00.191905	8	03DEC2008 00:02:00.191905	0

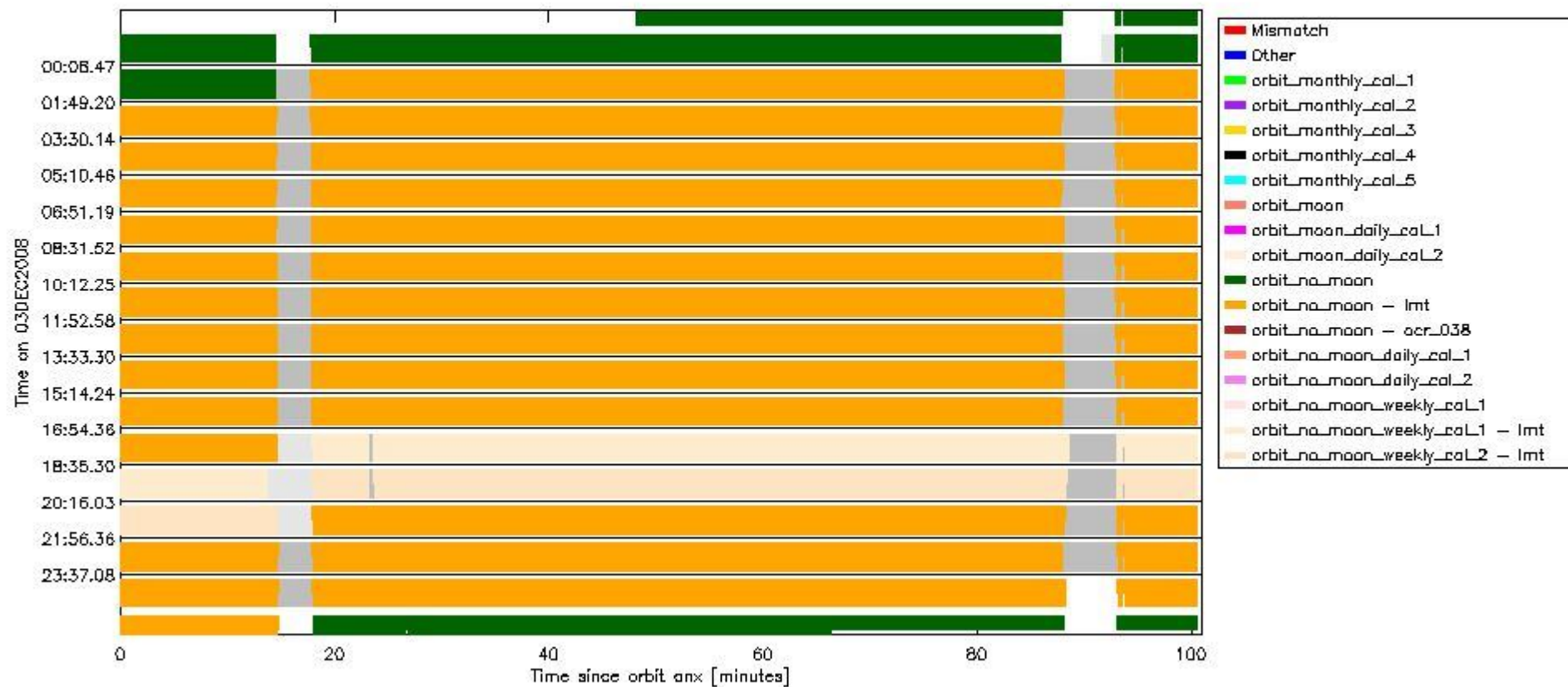


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081203_5.PNG

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 03DEC2008.
 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_20081203_6.PNG

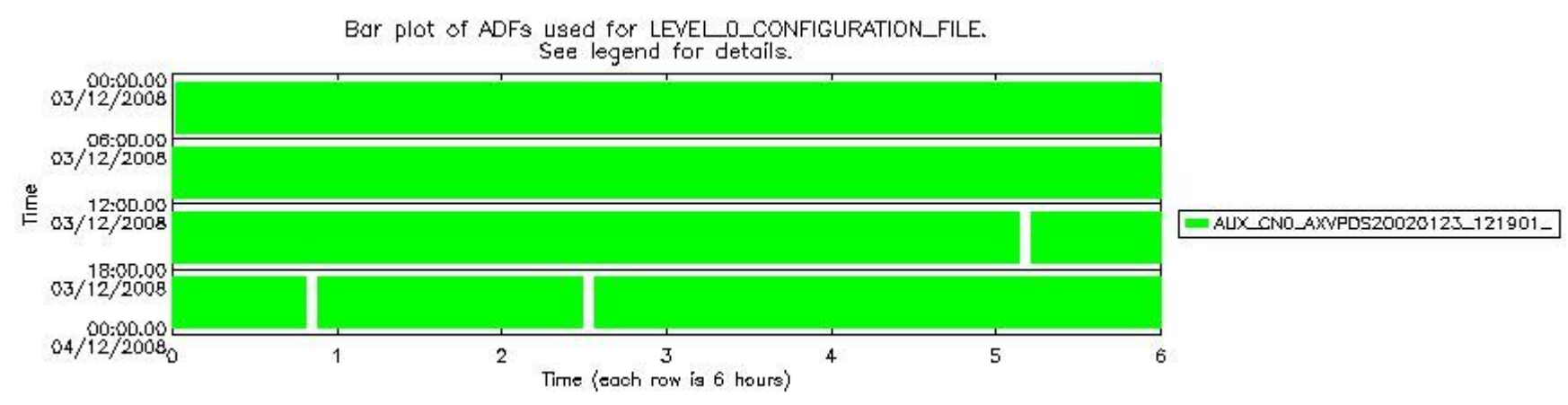
0.4 ADF monitoring

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

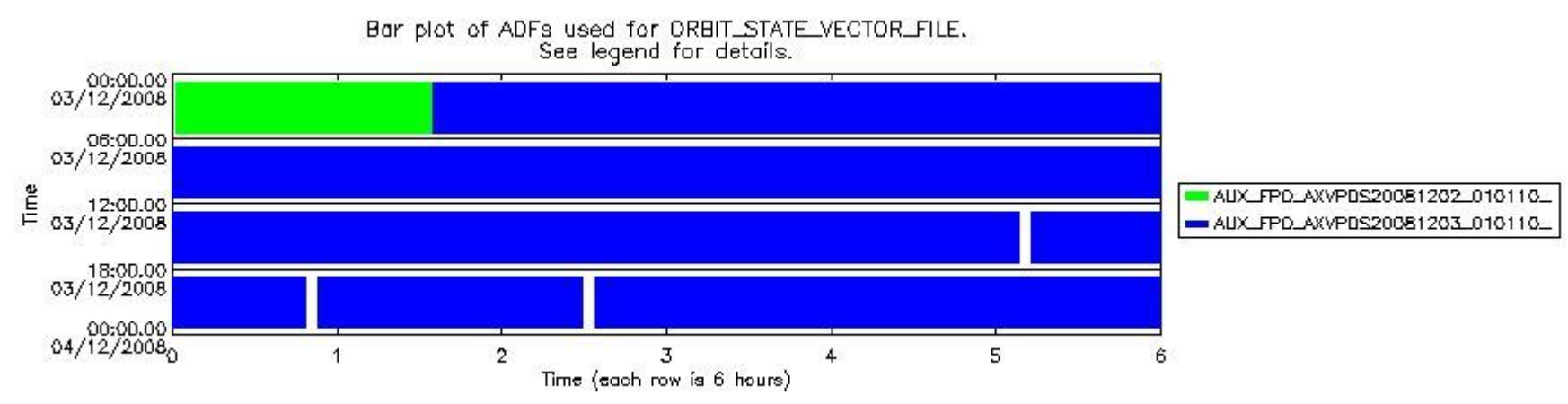
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

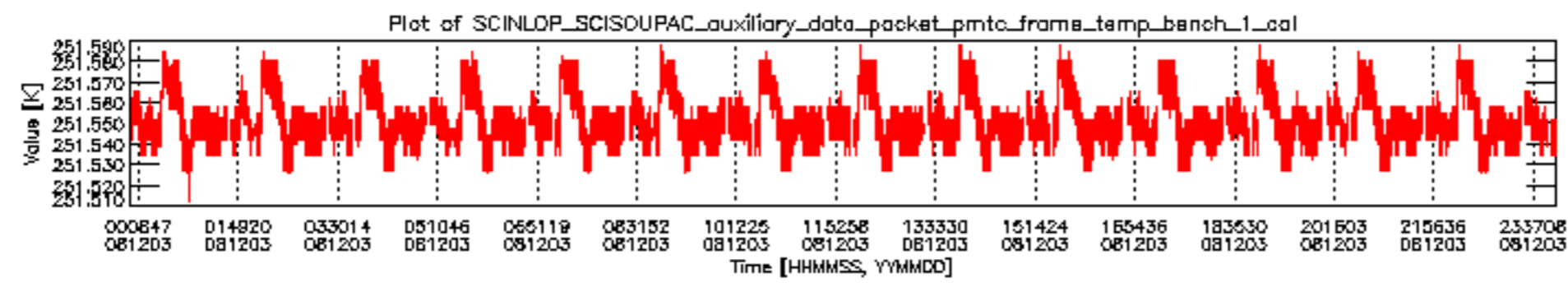
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081202_010110_20081201_193838_20081211_210452
2	AUX_FPO_AXVPDS20081203_010110_20081202_190701_20081212_203315

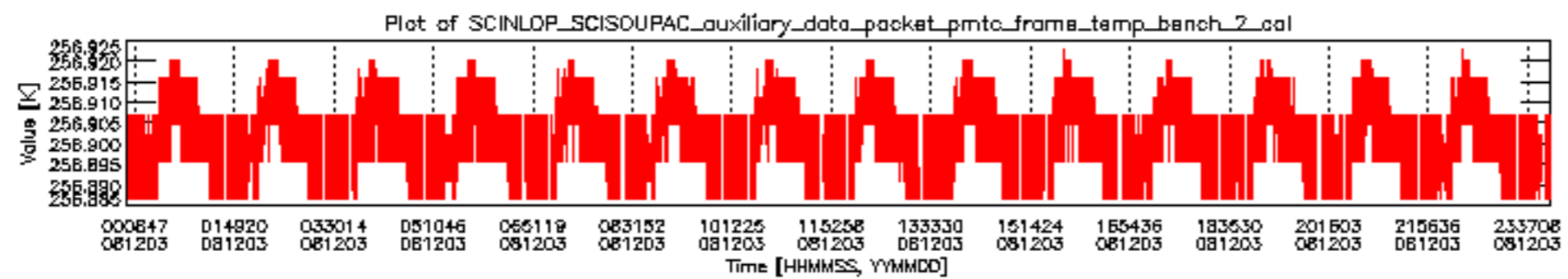


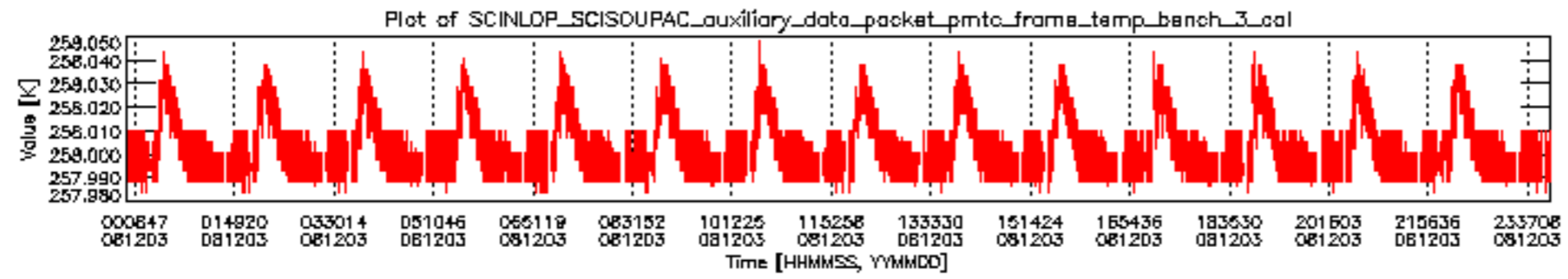
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081203_7.PNG

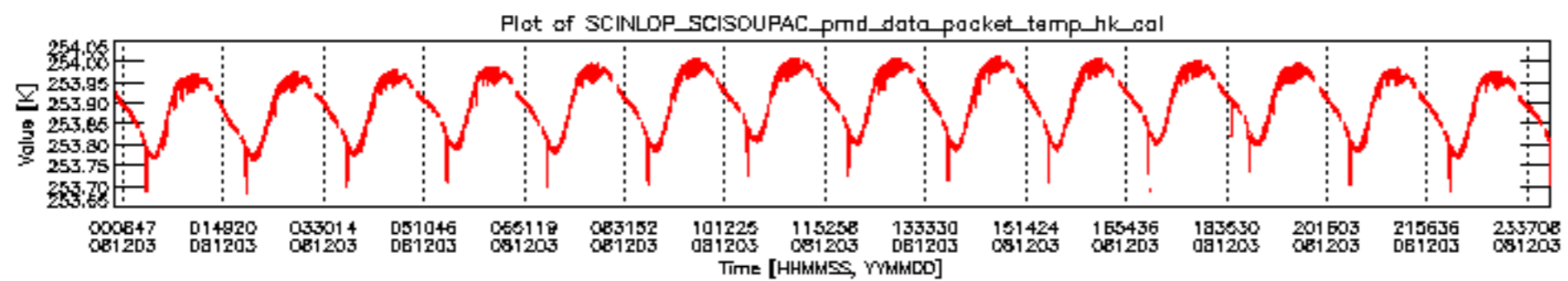


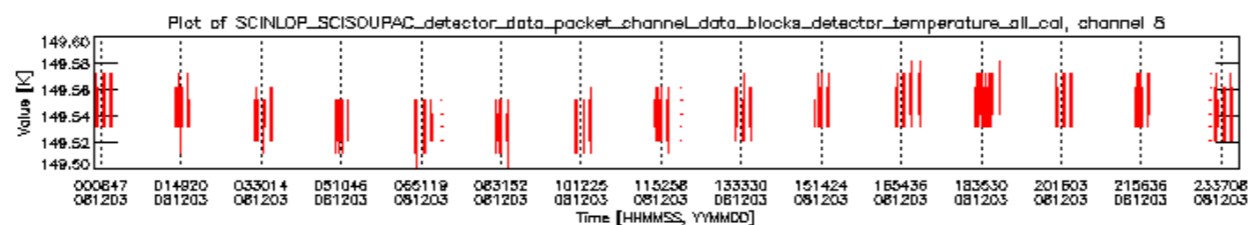
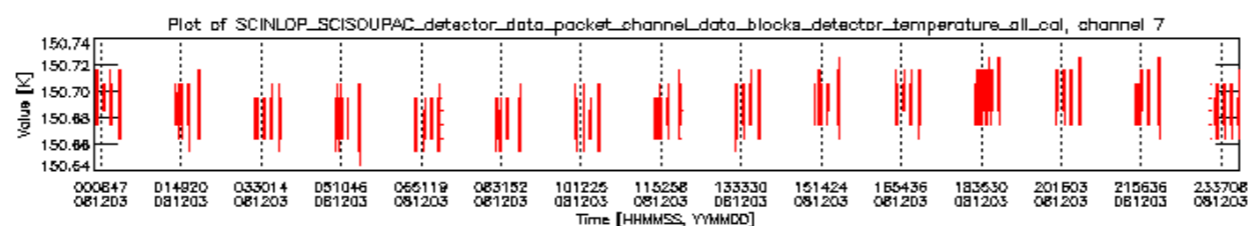
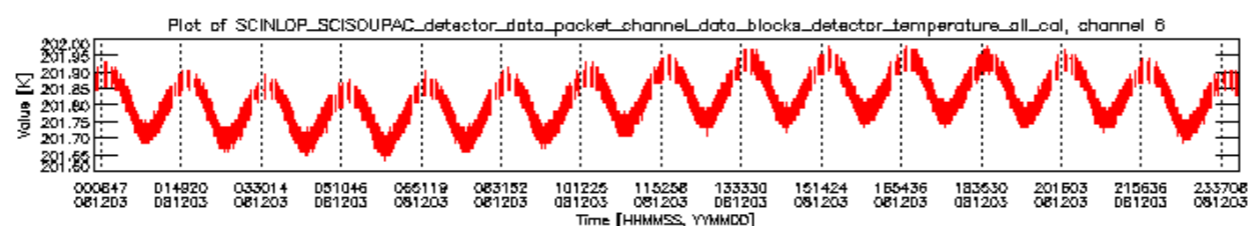
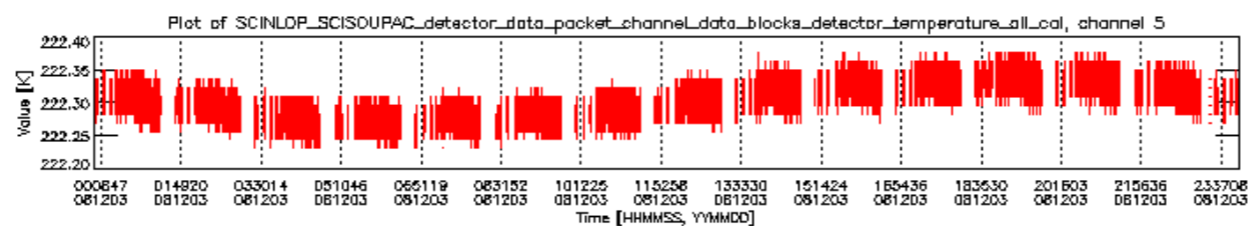
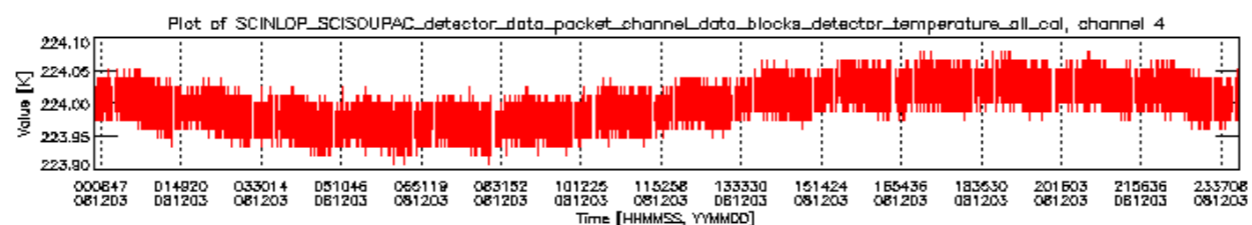
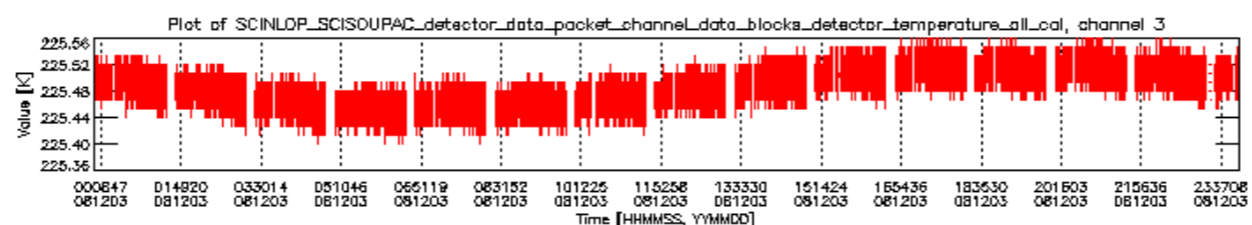
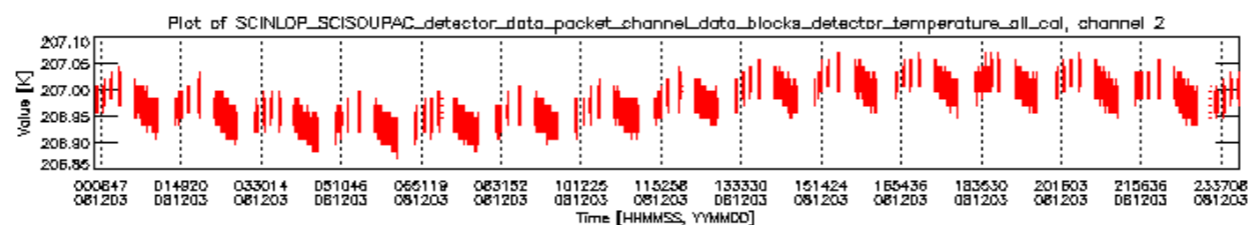
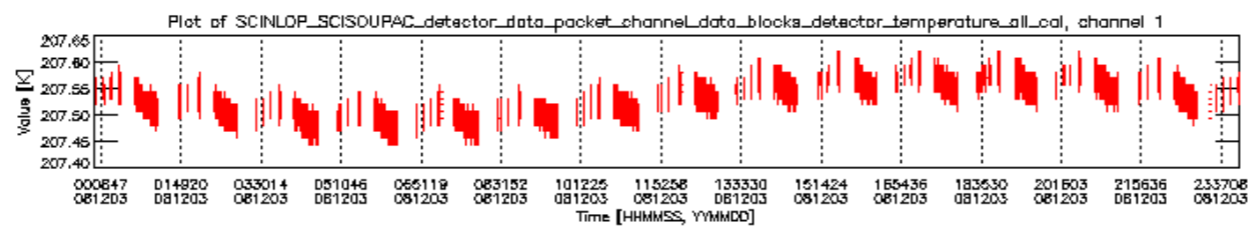
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081203_8.PNG











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