

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	02NOV2008 05:28:04
Data source version	KSPT_L0/4303-N
Processing scope for products	29OCT2008 00:00:00 to 30OCT2008 00:00:00
Start time of first product within scope	28OCT2008 23:58:24
Stop time of last product within scope	30OCT2008 01:01:30
Total number of level 0 products	16
Number of level 0 products with errors	0

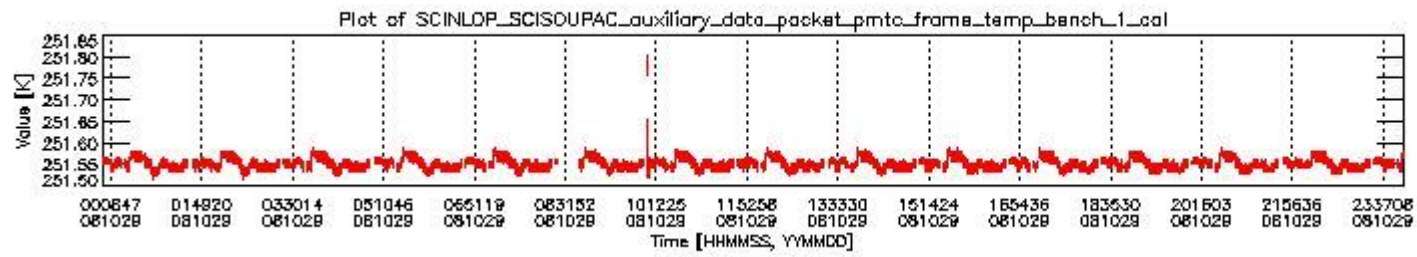
0.1.2 Summary per product

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

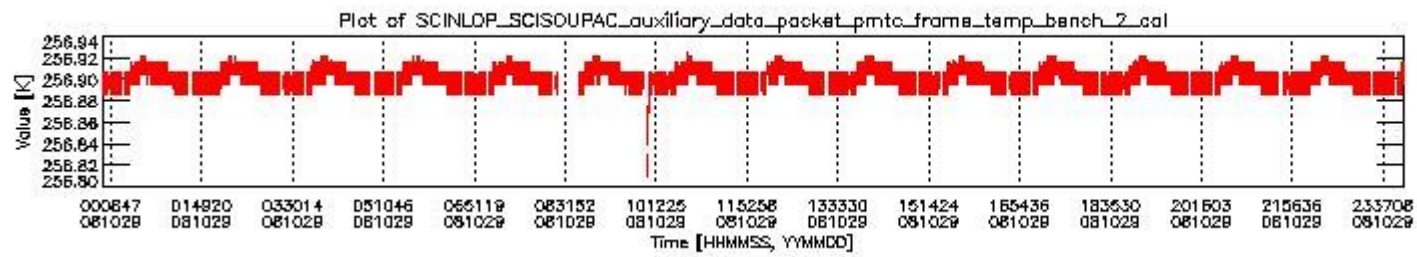
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081028_235824_000056772073_00216_34839_7801.N1	28OCT2008 23:58:24	29OCT2008 01:33:01	0	0	0	0	0
1	SCI_NL__OPNPDE20081029_013901_000044382073_00217_34840_7802.N1	29OCT2008 01:39:01	29OCT2008 02:52:58	0	0	0	0	0
2	SCI_NL__OPNPDE20081029_025258_000058432073_00218_34841_7803.N1	29OCT2008 02:52:58	29OCT2008 04:30:22	0	0	0	0	0
3	SCI_NL__OPNPDE20081029_042926_000061612073_00219_34842_7804.N1	29OCT2008 04:29:26	29OCT2008 06:12:07	0	0	0	0	0
4	SCI_NL__OPNPDK20081029_061111_000041012073_00220_34843_9794.N1	29OCT2008 06:11:11	29OCT2008 07:19:32	0	0	0	0	0
5	SCI_NL__OPNPDK20081029_071824_000061052073_00221_34844_9795.N1	29OCT2008 07:18:24	29OCT2008 09:00:08	0	0	0	0	0
6	SCI_NL__OPNPDK20081029_085913_000061482073_00222_34845_9796.N1	29OCT2008 08:59:13	29OCT2008 10:41:41	0	0	0	0	0
7	SCI_NL__OPNPDK20081029_103936_000060492073_00223_34846_9797.N1	29OCT2008 10:39:36	29OCT2008 12:20:25	0	0	0	0	0
8	SCI_NL__OPNPDK20081029_121917_000059682073_00224_34847_9798.N1	29OCT2008 12:19:17	29OCT2008 13:58:44	0	0	0	0	0
9	SCI_NL__OPNPDK20081029_135748_000059252073_00225_34848_9799.N1	29OCT2008 13:57:48	29OCT2008 15:36:33	0	0	0	0	0
10	SCI_NL__OPNPDK20081029_153319_000060362073_00226_34849_9800.N1	29OCT2008 15:33:19	29OCT2008 17:13:56	0	0	0	0	0
11	SCI_NL__OPNPDK20081029_171259_000059252073_00227_34850_9801.N1	29OCT2008 17:12:59	29OCT2008 18:51:44	0	0	0	0	0
12	SCI_NL__OPNPDK20081029_185048_000061482073_00228_34851_9802.N1	29OCT2008 18:50:48	29OCT2008 20:33:16	0	0	0	0	0
13	SCI_NL__OPNPDE20081029_203220_000040782073_00229_34852_7805.N1	29OCT2008 20:32:20	29OCT2008 21:40:17	0	0	0	0	0
14	SCI_NL__OPNPDE20081029_214617_000056892073_00229_34852_7806.N1	29OCT2008 21:46:17	29OCT2008 23:21:06	0	0	0	0	0
15	SCI_NL__OPNPDE20081029_232653_000056772073_00230_34853_7807.N1	29OCT2008 23:26:53	30OCT2008 01:01:30	0	0	0	0	0

0.2 Product Quality Indicators

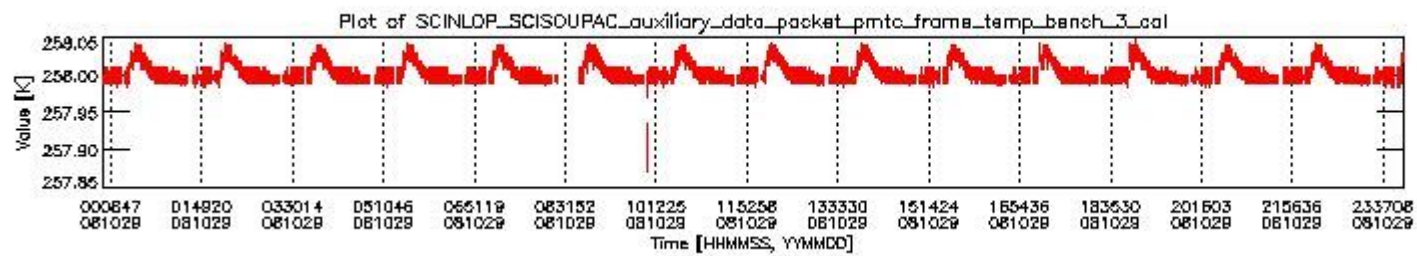
This section shows information about product quality, currently temperatures.



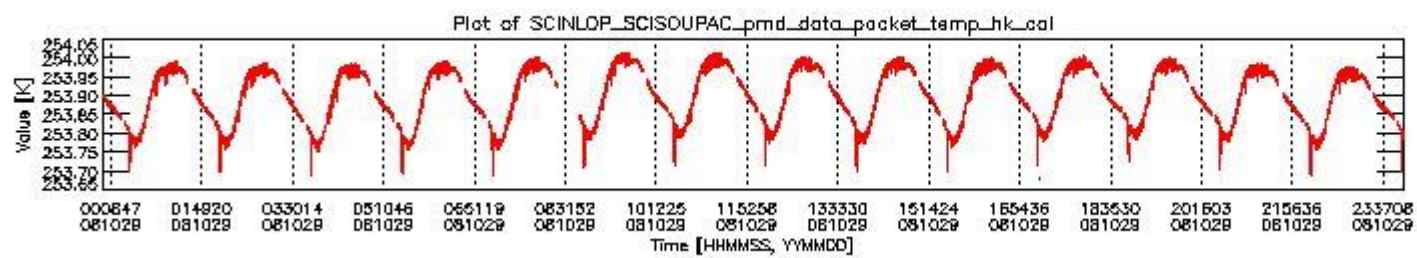
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081029_0.PNG



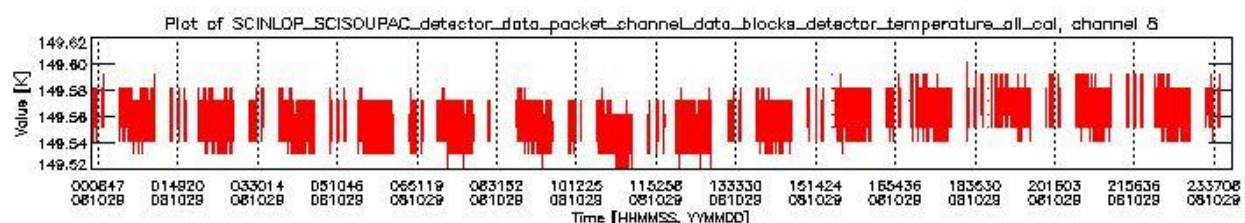
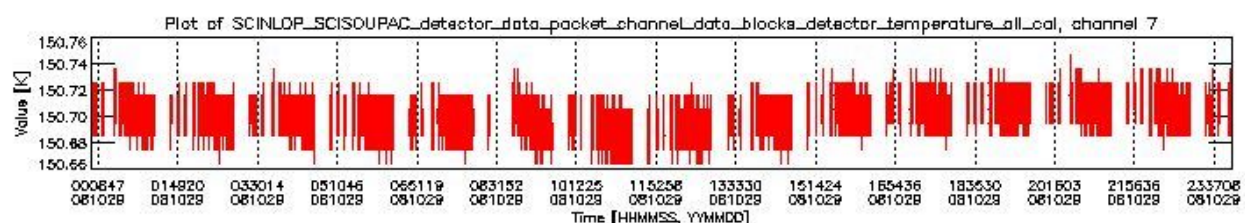
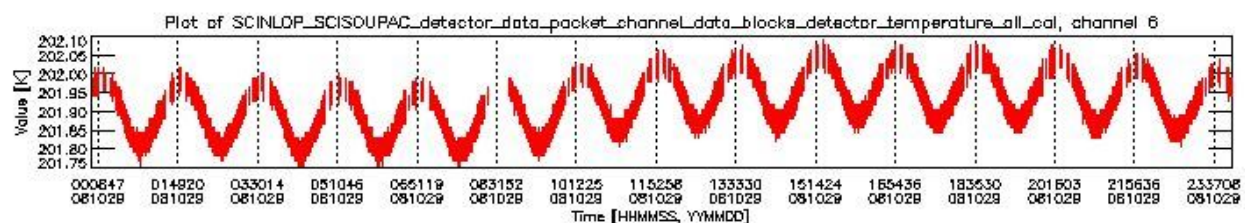
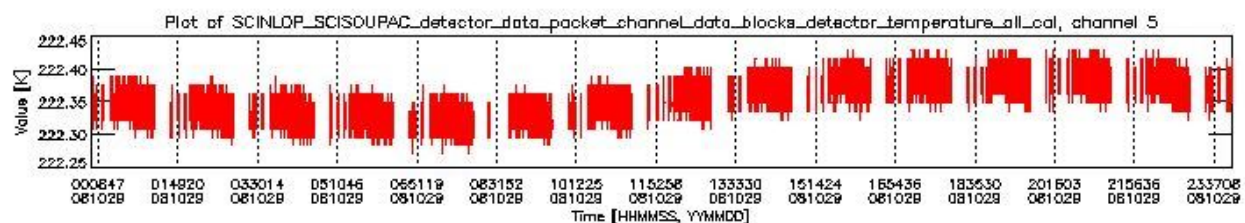
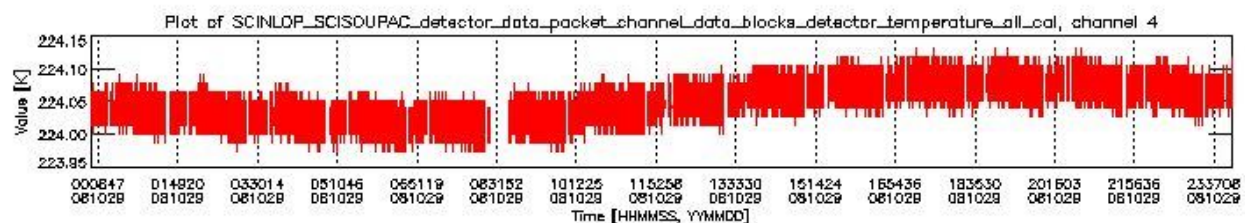
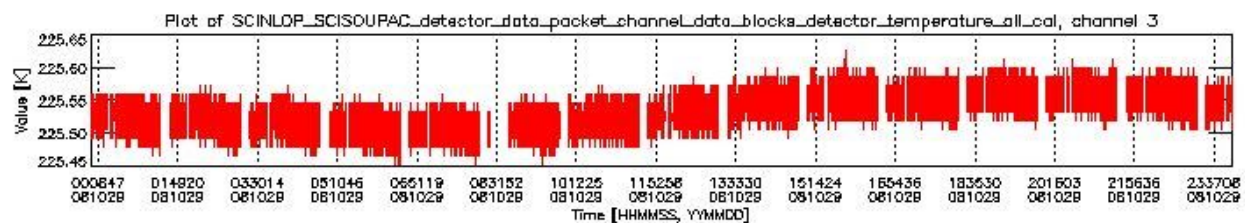
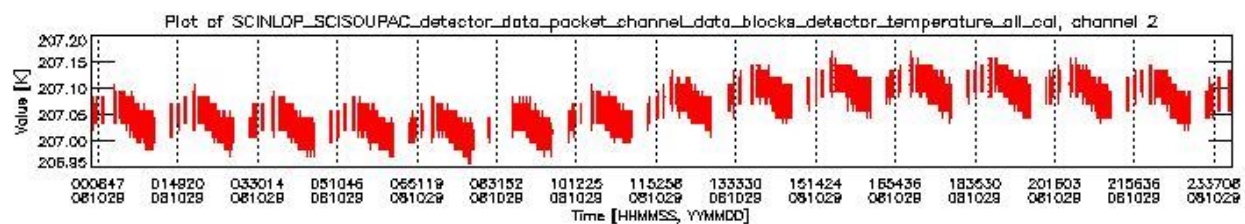
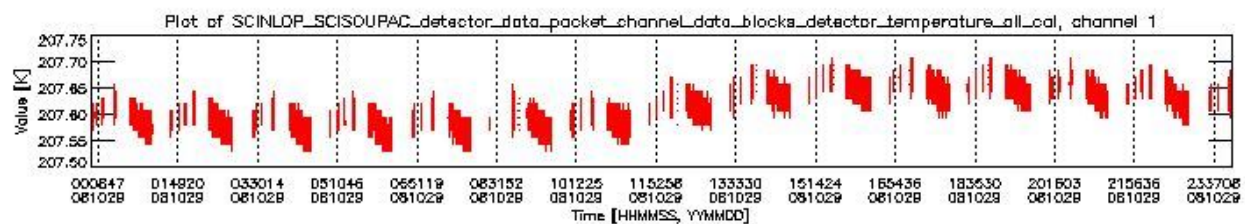
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20081029_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081029_3.PNG

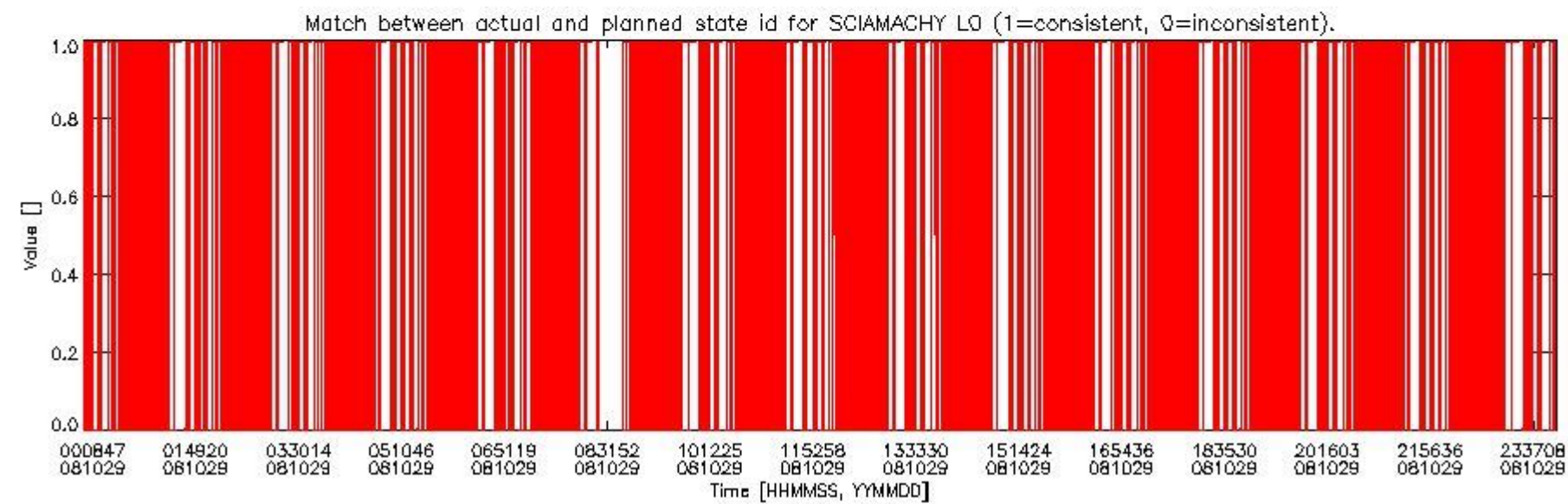
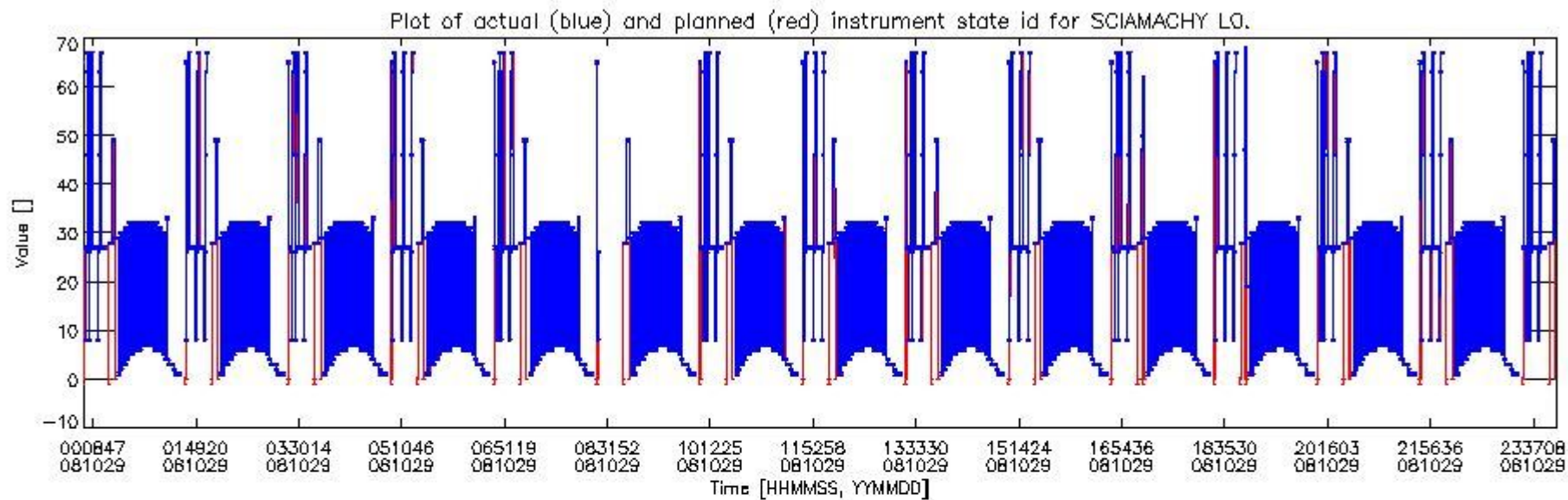


0.3 State monitoring

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: **49730**

#	Actual time	Actual value	Planned time	Planned value
0	29OCT2008 00:01:20.800809	8	29OCT2008 00:01:20.800809	27
1	29OCT2008 00:01:21.925808	8	29OCT2008 00:01:21.925808	27
2	29OCT2008 00:01:22.925802	8	29OCT2008 00:01:22.925802	27
3	29OCT2008 00:01:23.925797	8	29OCT2008 00:01:23.925797	27
4	29OCT2008 00:01:24.925792	8	29OCT2008 00:01:24.925792	27
5	29OCT2008 00:01:25.800822	8	29OCT2008 00:01:25.800822	27
6	29OCT2008 00:01:25.925786	8	29OCT2008 00:01:25.925786	27
7	29OCT2008 00:01:26.925821	8	29OCT2008 00:01:26.925821	27
8	29OCT2008 00:01:27.925816	8	29OCT2008 00:01:27.925816	27
9	29OCT2008 00:01:28.925810	8	29OCT2008 00:01:28.925810	27
10	29OCT2008 00:01:29.925805	8	29OCT2008 00:01:29.925805	27
11	29OCT2008 00:01:30.800795	8	29OCT2008 00:01:30.800795	27
12	29OCT2008 00:01:30.925799	8	29OCT2008 00:01:30.925799	27
13	29OCT2008 00:02:04.359414	26	29OCT2008 00:02:04.359414	8
14	29OCT2008 00:02:04.984396	26	29OCT2008 00:02:04.984396	8
15	29OCT2008 00:02:05.484413	26	29OCT2008 00:02:05.484413	8
16	29OCT2008 00:02:05.984390	26	29OCT2008 00:02:05.984390	8
17	29OCT2008 00:02:06.484407	26	29OCT2008 00:02:06.484407	8
18	29OCT2008 00:02:06.984425	26	29OCT2008 00:02:06.984425	8
19	29OCT2008 00:02:07.484402	26	29OCT2008 00:02:07.484402	8

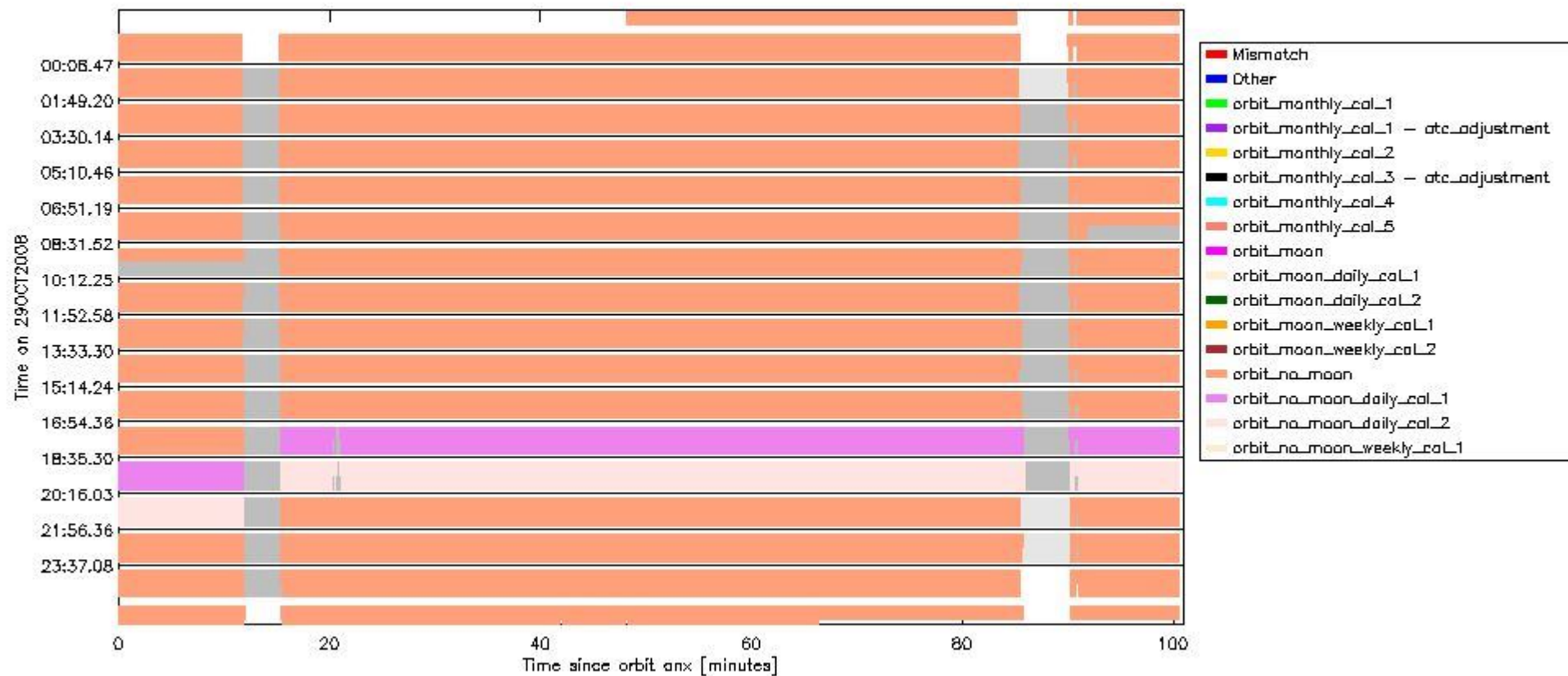


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081029_5.PNG

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 29OCT2008.
 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_20081029_6.PNG

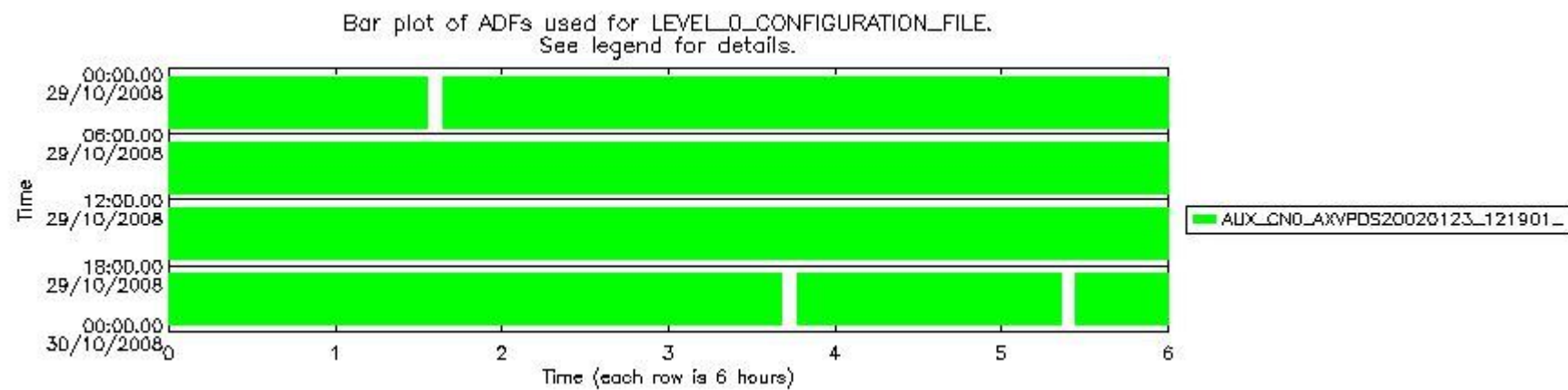
0.4 ADF monitoring

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

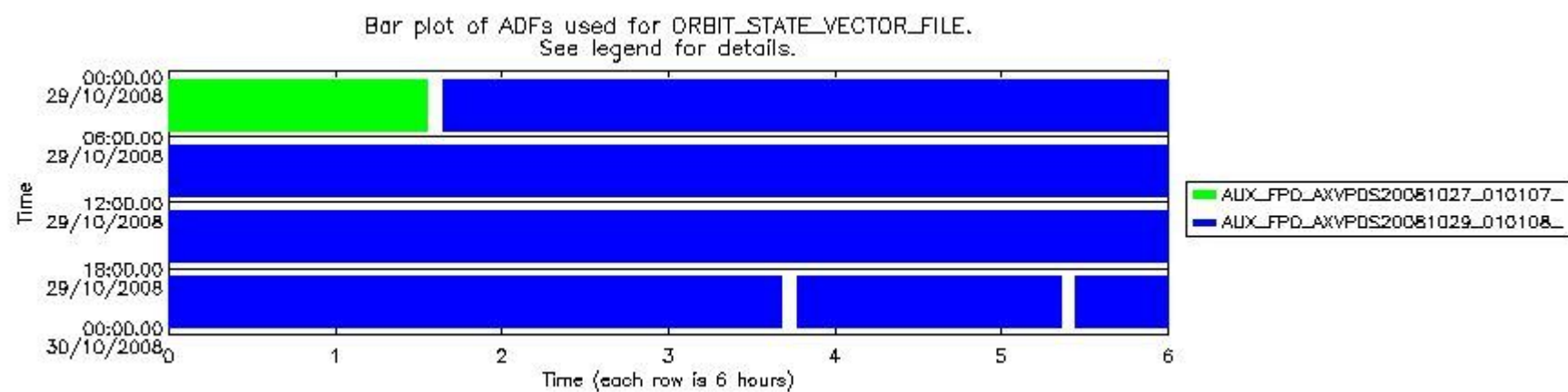
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

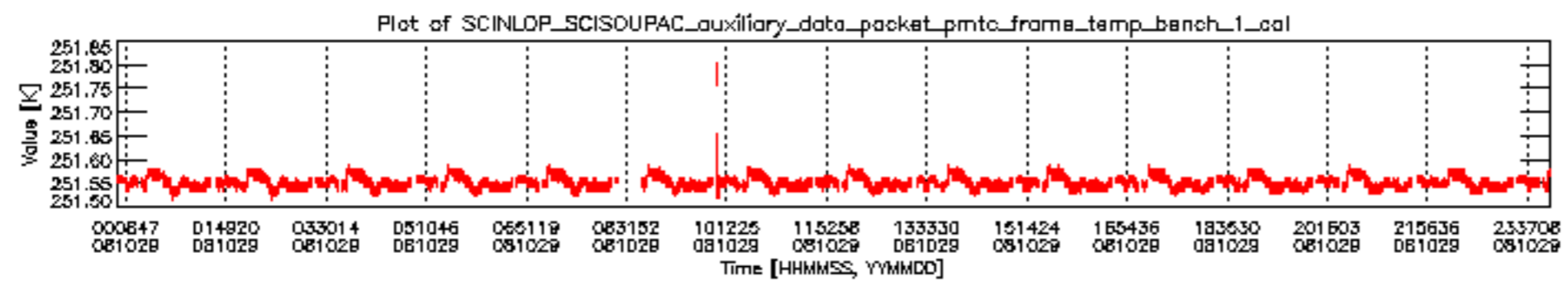
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081027_010107_20081026_182940_20081105_213628
2	AUX_FPO_AXVPDS20081029_010108_20081028_190702_20081107_203314

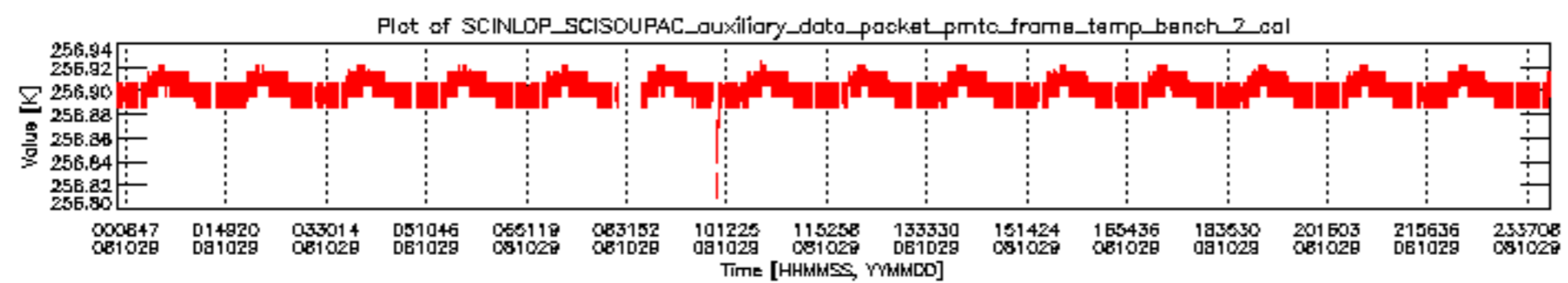


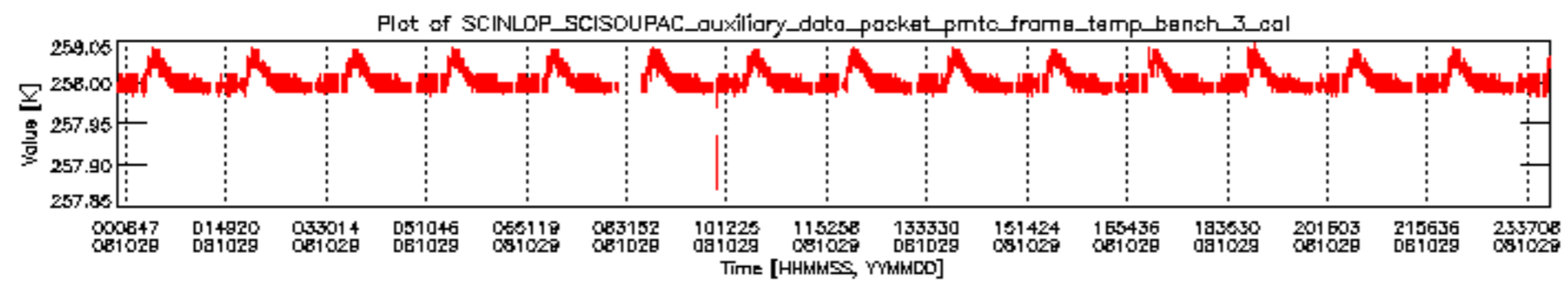
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081029_7.PNG

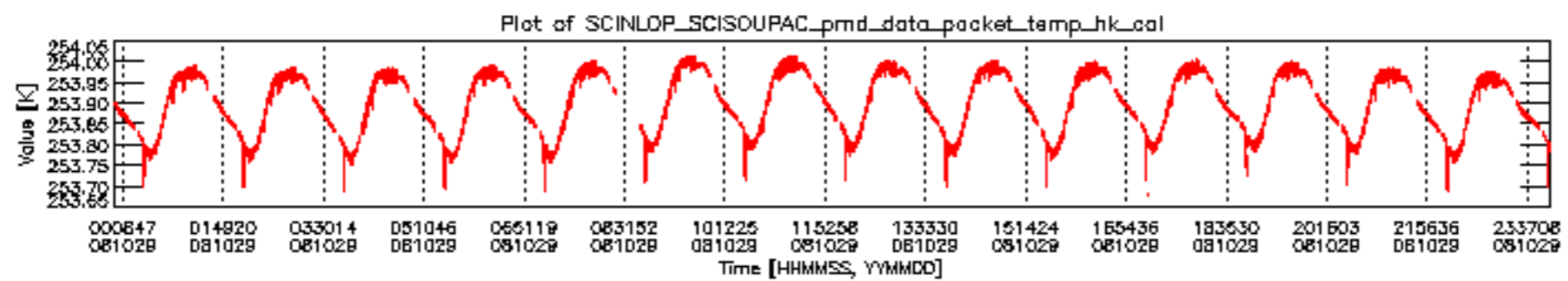


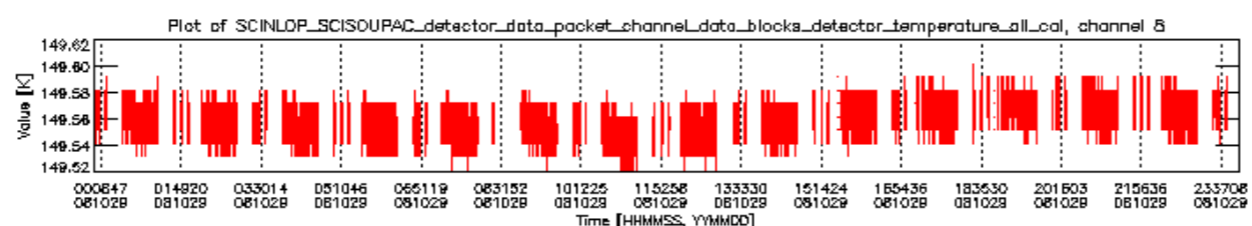
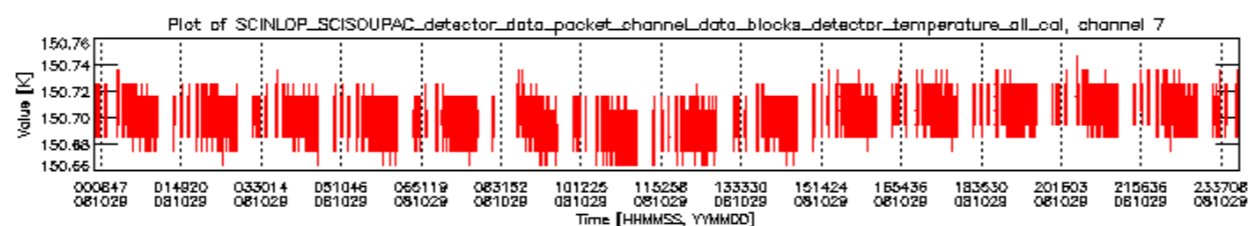
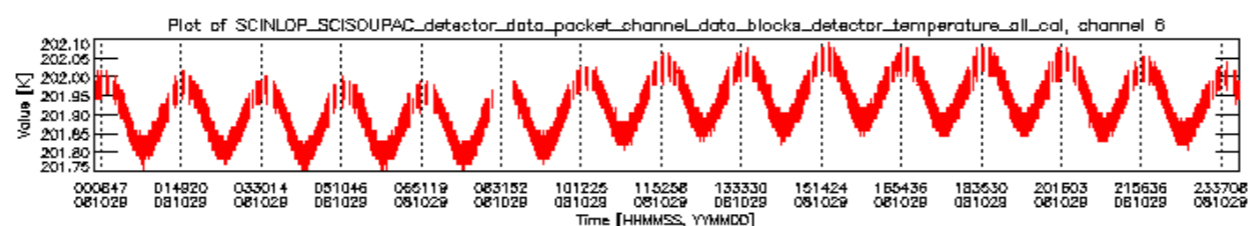
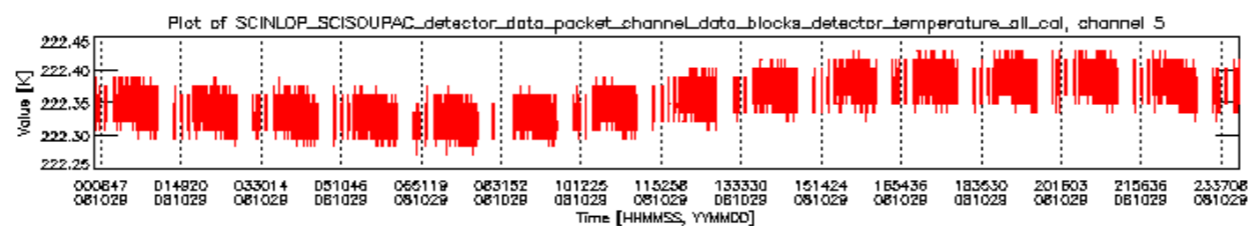
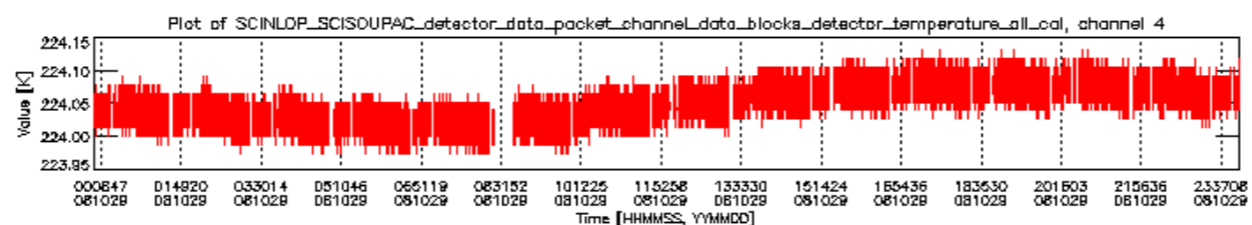
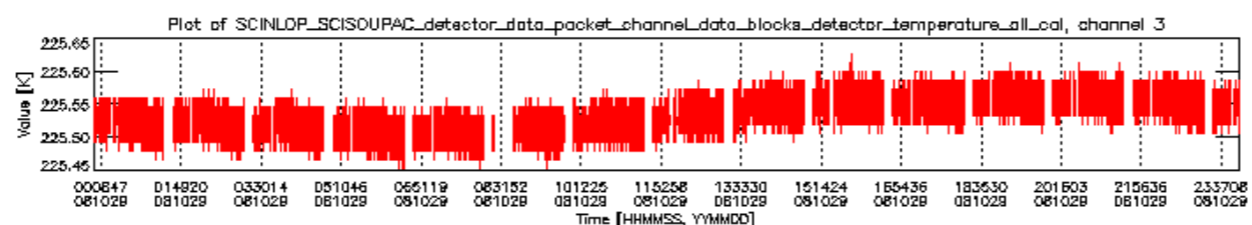
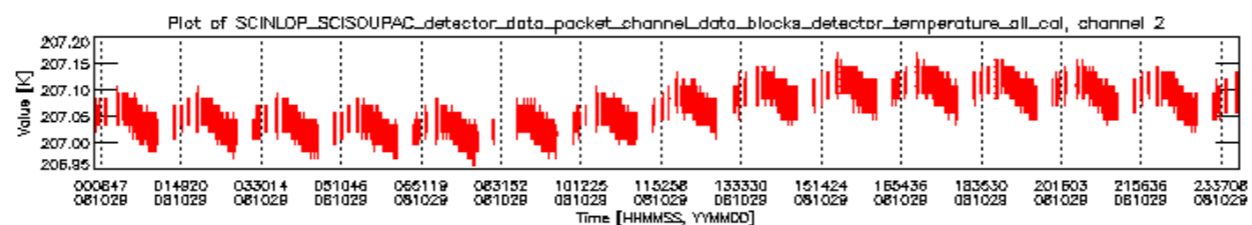
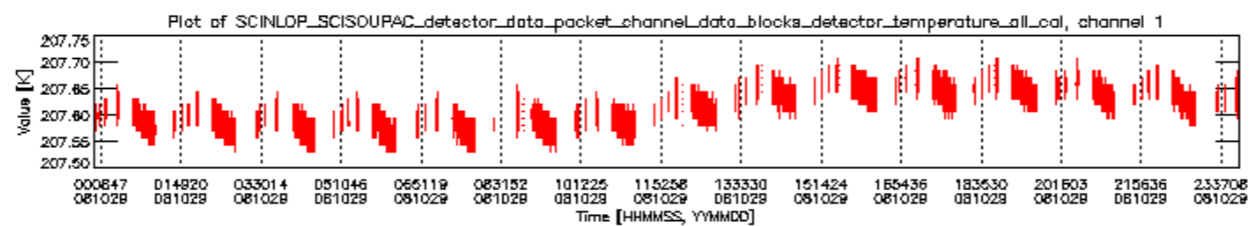
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081029_8.PNG











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 29OCT2008.
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