

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	28SEP2008 05:26:21
Data source version	KSPT_L0/4303-N
Processing scope for products	24SEP2008 00:00:00 to 25SEP2008 00:00:00
Start time of first product within scope	23SEP2008 23:55:03
Stop time of last product within scope	25SEP2008 01:05:41
Total number of level 0 products	17
Number of level 0 products with errors	0

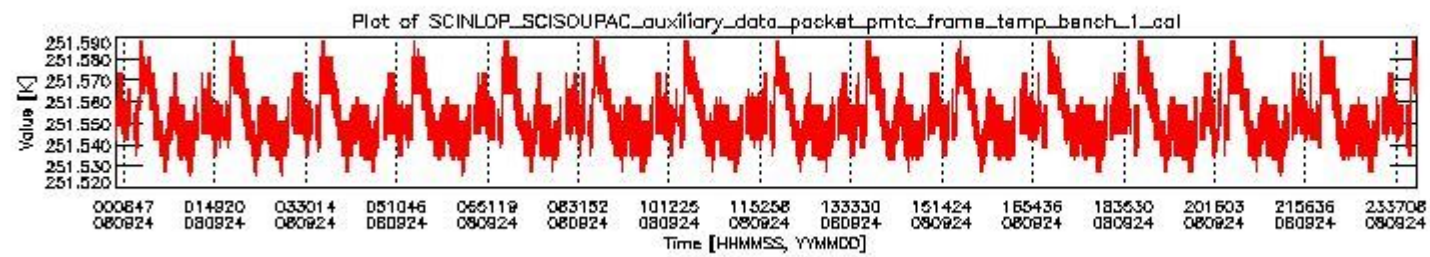
0.1.2 Summary per product

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

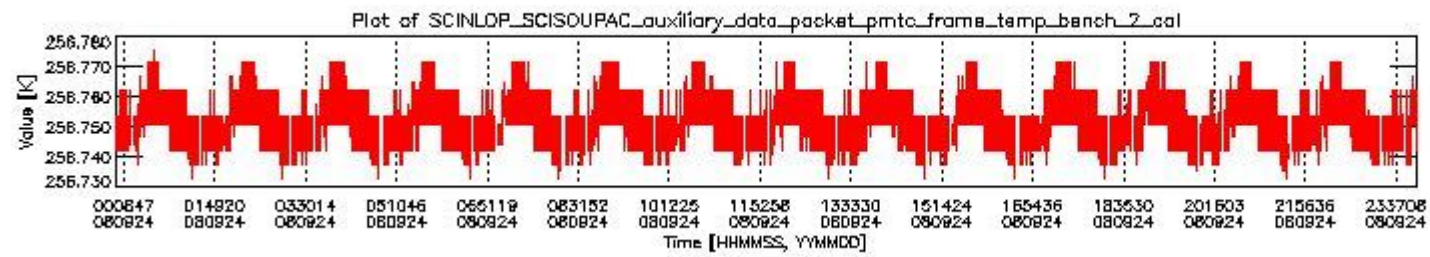
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080923_235503_000060362072_00216_34338_7566.N1	23SEP2008 23:55:03	24SEP2008 01:35:40	0	0	0	0	0
1	SCI_NL__OPNPDE20080924_013456_000048052072_00217_34339_7567.N1	24SEP2008 01:34:56	24SEP2008 02:55:01	0	0	0	0	0
2	SCI_NL__OPNPDE20080924_025405_000057752072_00218_34340_7568.N1	24SEP2008 02:54:05	24SEP2008 04:30:20	0	0	0	0	0
3	SCI_NL__OPNPDE20080924_043020_000060492072_00219_34341_7569.N1	24SEP2008 04:30:20	24SEP2008 06:11:09	0	0	0	0	0
4	SCI_NL__OPNPDE20080924_060700_000003732072_00220_34342_7608.N1	24SEP2008 06:07:00	24SEP2008 06:13:13	0	0	0	0	0
5	SCI_NL__OPNPDK20080924_061000_000041702072_00220_34342_9485.N1	24SEP2008 06:10:00	24SEP2008 07:19:30	0	0	0	0	0
6	SCI_NL__OPNPDK20080924_071822_000061742072_00221_34343_9486.N1	24SEP2008 07:18:22	24SEP2008 09:01:15	0	0	0	0	0
7	SCI_NL__OPNPDK20080924_090007_000060362072_00222_34344_9487.N1	24SEP2008 09:00:07	24SEP2008 10:40:43	0	0	0	0	0
8	SCI_NL__OPNPDK20080924_103935_000060492072_00223_34345_9488.N1	24SEP2008 10:39:35	24SEP2008 12:20:24	0	0	0	0	0
9	SCI_NL__OPNPDK20080924_121915_000059682072_00224_34346_9489.N1	24SEP2008 12:19:15	24SEP2008 13:58:43	0	0	0	0	0
10	SCI_NL__OPNPDK20080924_135747_000057322072_00225_34347_9490.N1	24SEP2008 13:57:47	24SEP2008 15:33:19	0	0	0	0	0
11	SCI_NL__OPNPDK20080924_153223_000061682072_00226_34348_9491.N1	24SEP2008 15:32:23	24SEP2008 17:15:11	0	0	0	0	0
12	SCI_NL__OPNPDK20080924_171320_000059032072_00227_34349_9492.N1	24SEP2008 17:13:20	24SEP2008 18:51:42	0	0	0	0	0
13	SCI_NL__OPNPDK20080924_185022_000061742072_00228_34350_9493.N1	24SEP2008 18:50:22	24SEP2008 20:33:17	0	0	0	0	0
14	SCI_NL__OPNPDE20080924_203059_000043182072_00229_34351_7570.N1	24SEP2008 20:30:59	24SEP2008 21:42:57	0	0	0	0	0
15	SCI_NL__OPNPDE20080924_214214_000062562072_00229_34351_7571.N1	24SEP2008 21:42:14	24SEP2008 23:26:29	0	0	0	0	0
16	SCI_NL__OPNPDE20080924_232502_000060392072_00230_34352_7572.N1	24SEP2008 23:25:02	25SEP2008 01:05:41	0	0	0	0	0

0.2 Product Quality Indicators

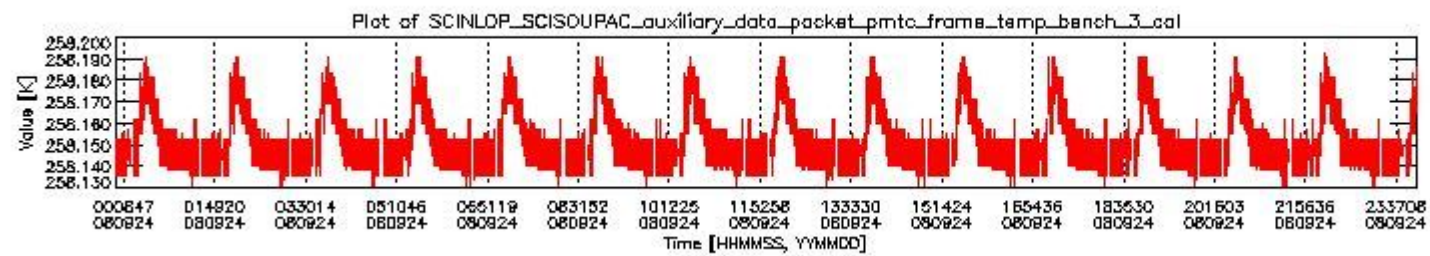
This section shows information about product quality, currently temperatures.



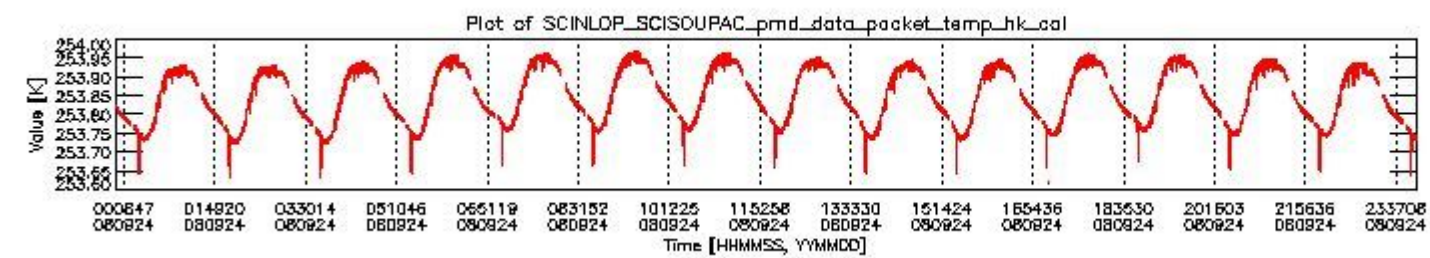
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080924_0.PNG



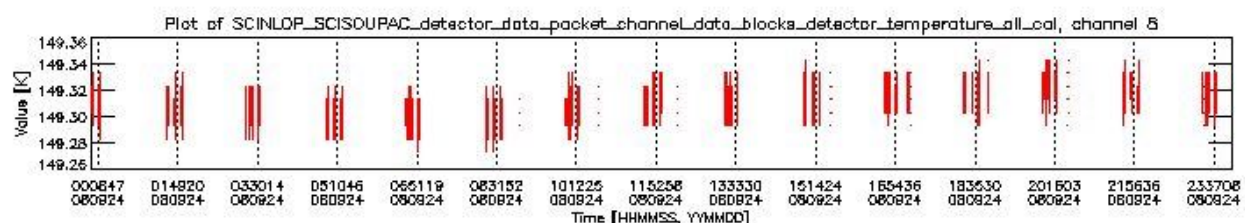
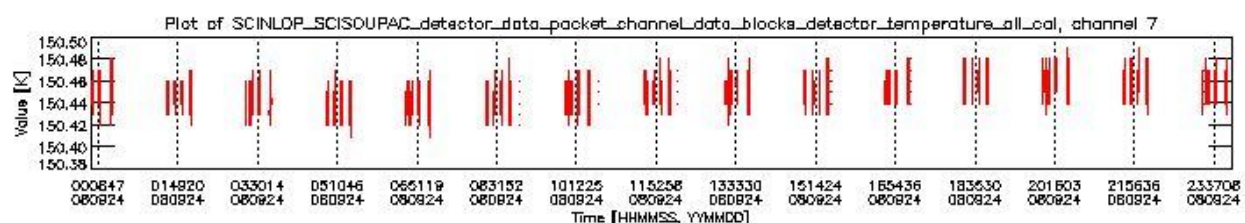
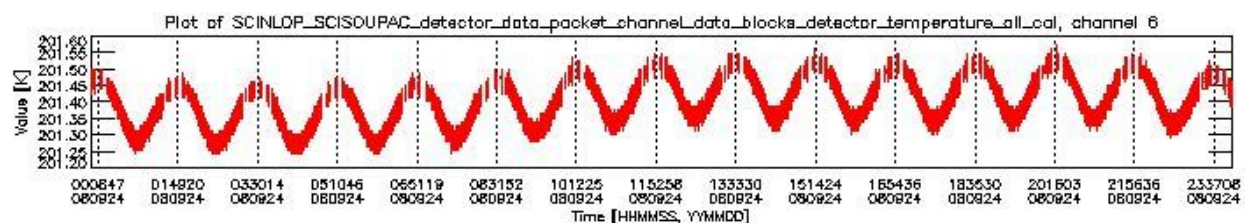
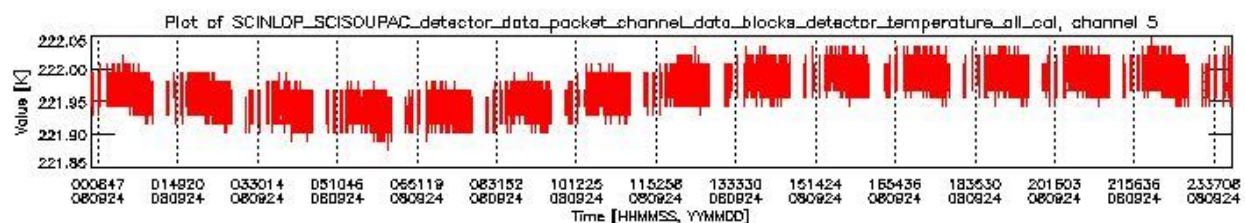
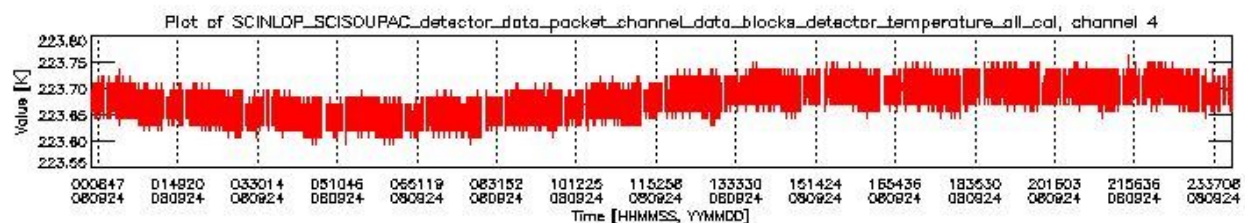
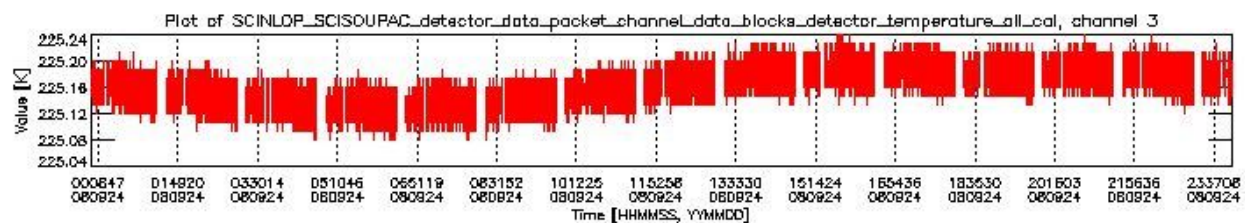
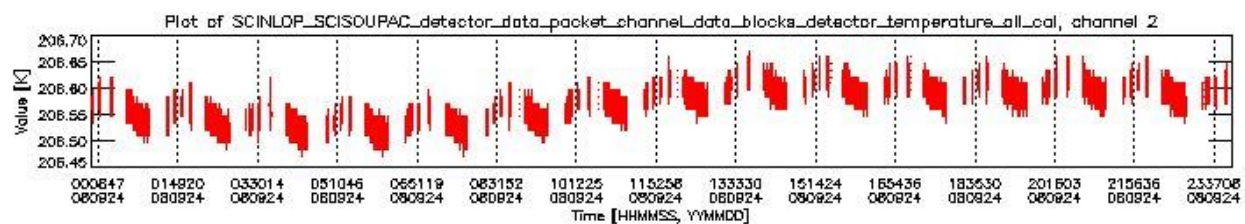
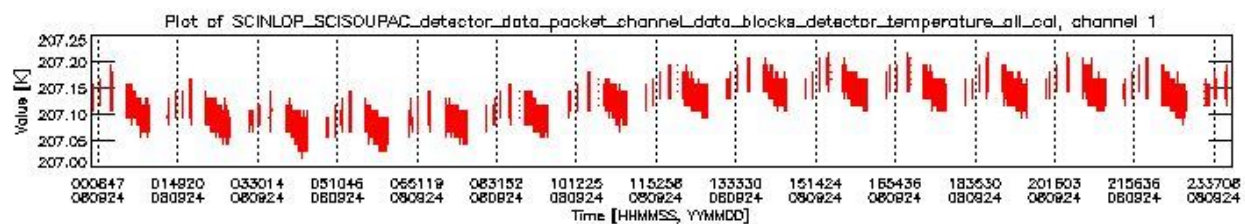
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080924_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080924_3.PNG

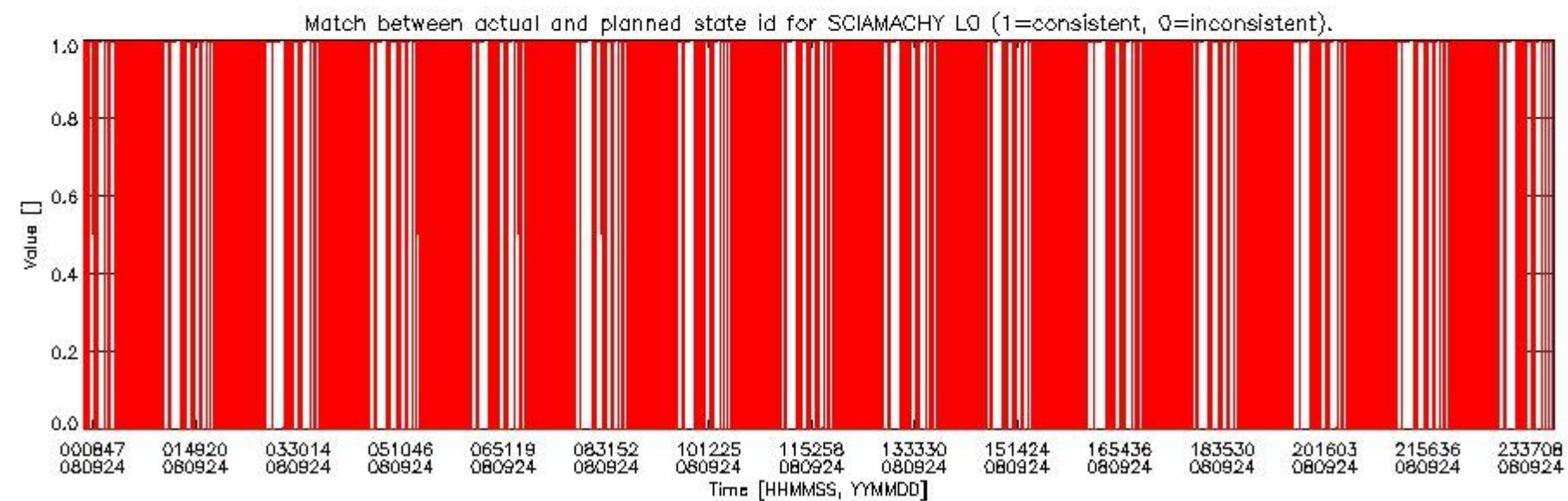
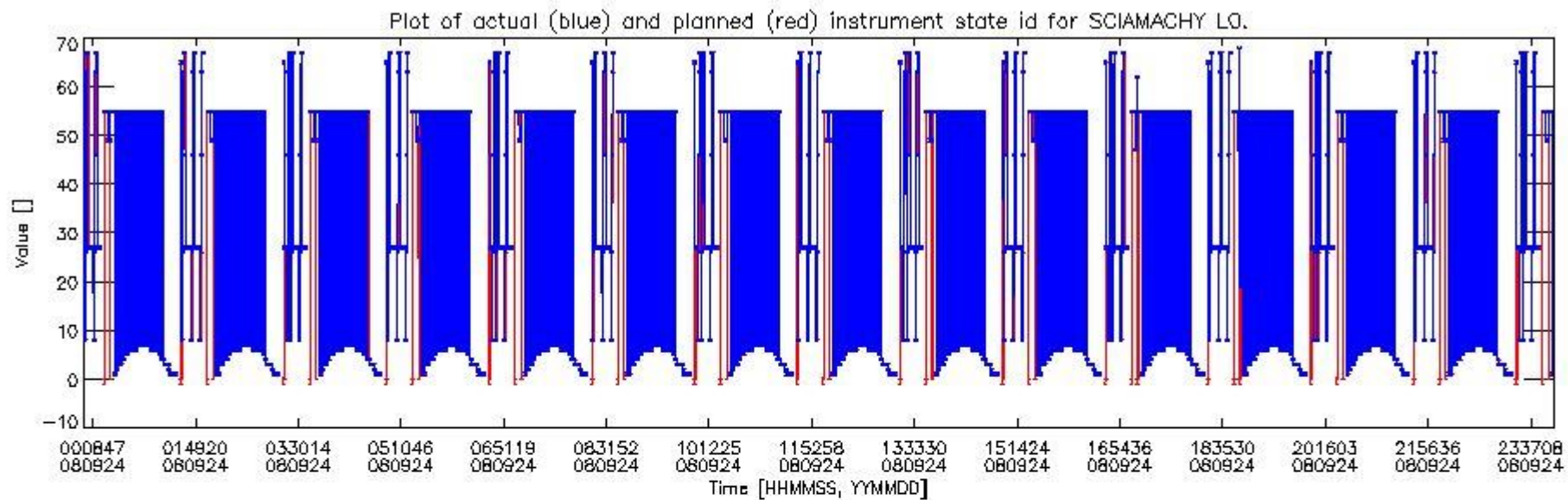


0.3 State monitoring

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: **48333**

#	Actual time	Actual value	Planned time	Planned value
0	24SEP2008 00:00:43.829414	8	24SEP2008 00:00:43.829414	67
1	24SEP2008 00:00:44.954413	8	24SEP2008 00:00:44.954413	67
2	24SEP2008 00:00:45.954408	8	24SEP2008 00:00:45.954408	67
3	24SEP2008 00:00:46.954443	8	24SEP2008 00:00:46.954443	67
4	24SEP2008 00:00:47.954437	8	24SEP2008 00:00:47.954437	67
5	24SEP2008 00:00:48.829427	8	24SEP2008 00:00:48.829427	67
6	24SEP2008 00:00:48.954432	8	24SEP2008 00:00:48.954432	67
7	24SEP2008 00:00:49.954426	8	24SEP2008 00:00:49.954426	67
8	24SEP2008 00:00:50.954421	8	24SEP2008 00:00:50.954421	67
9	24SEP2008 00:00:51.954415	8	24SEP2008 00:00:51.954415	67
10	24SEP2008 00:00:52.954410	8	24SEP2008 00:00:52.954410	67
11	24SEP2008 00:00:53.829440	8	24SEP2008 00:00:53.829440	67
12	24SEP2008 00:00:53.954445	8	24SEP2008 00:00:53.954445	67
13	24SEP2008 00:01:27.391922	26	24SEP2008 00:01:27.391922	8
14	24SEP2008 00:01:28.016944	26	24SEP2008 00:01:28.016944	8
15	24SEP2008 00:01:28.516921	26	24SEP2008 00:01:28.516921	8
16	24SEP2008 00:01:29.016938	26	24SEP2008 00:01:29.016938	8
17	24SEP2008 00:01:29.516915	26	24SEP2008 00:01:29.516915	8
18	24SEP2008 00:01:30.016933	26	24SEP2008 00:01:30.016933	8
19	24SEP2008 00:01:30.516950	26	24SEP2008 00:01:30.516950	8

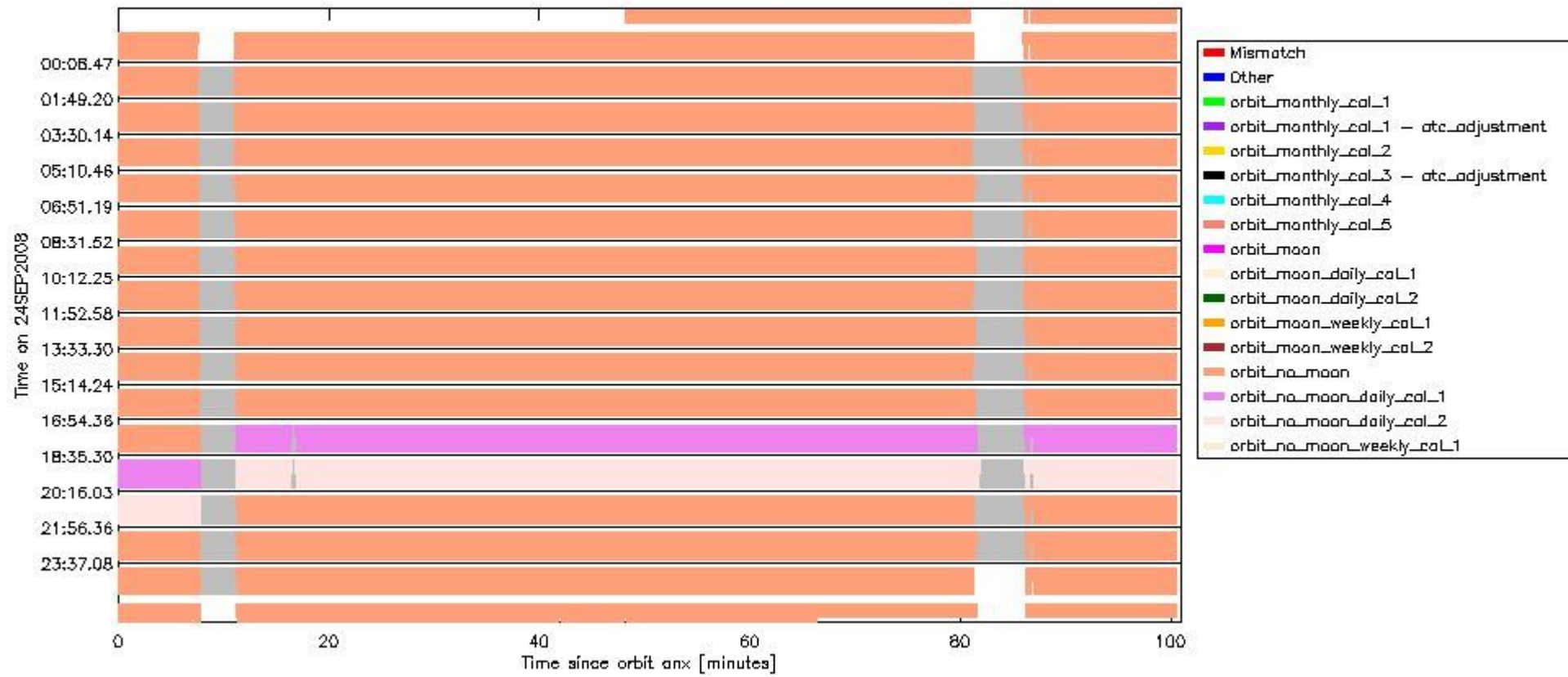


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080924_5.PNG

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 24SEP2008.
 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_20080924_6.PNG

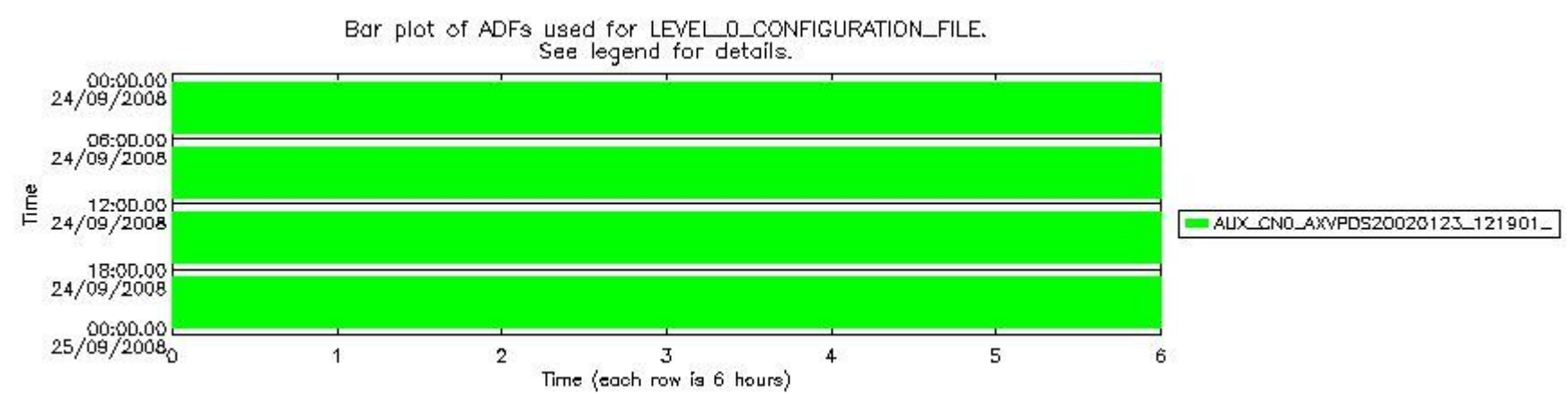
0.4 ADF monitoring

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

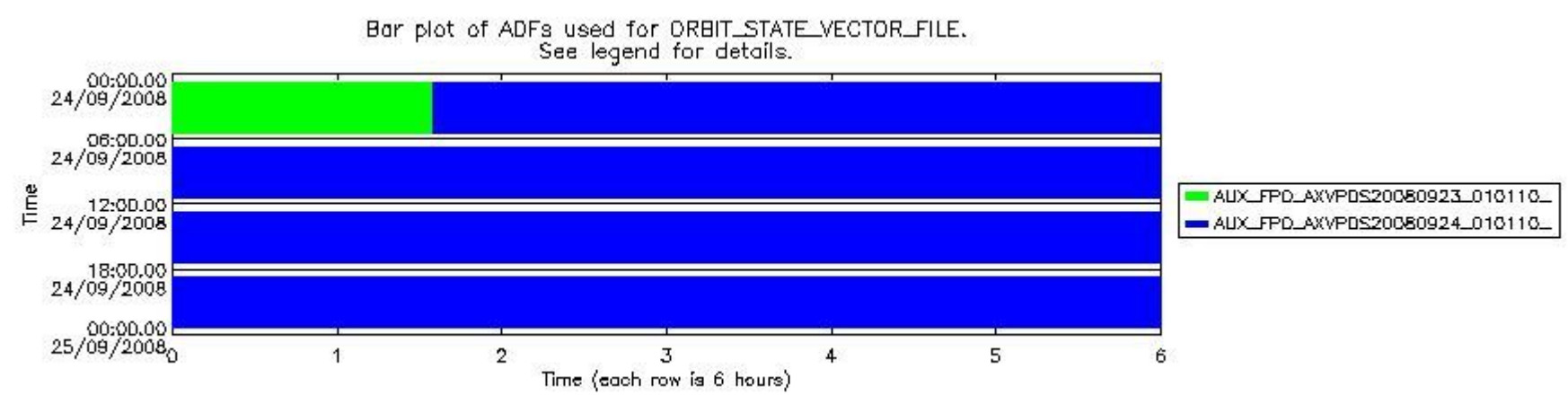
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

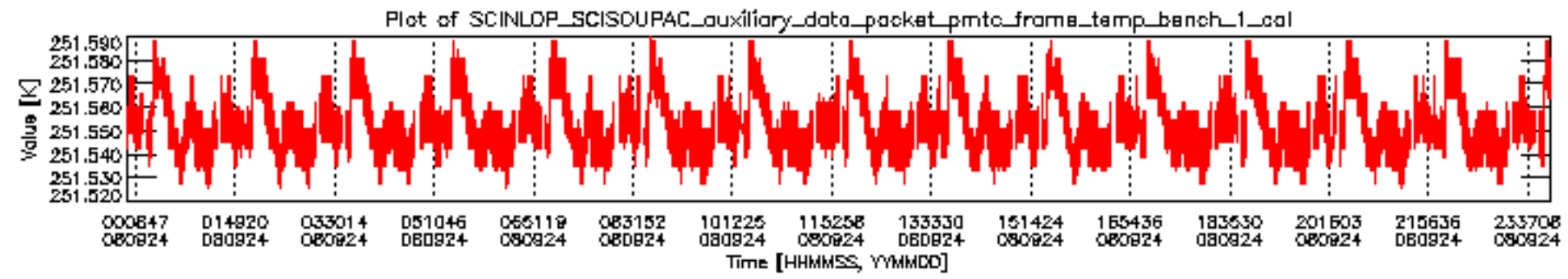
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080923_010110_20080922_193839_20081002_210453
2	AUX_FPO_AXVPDS20080924_010110_20080923_190702_20081003_203316

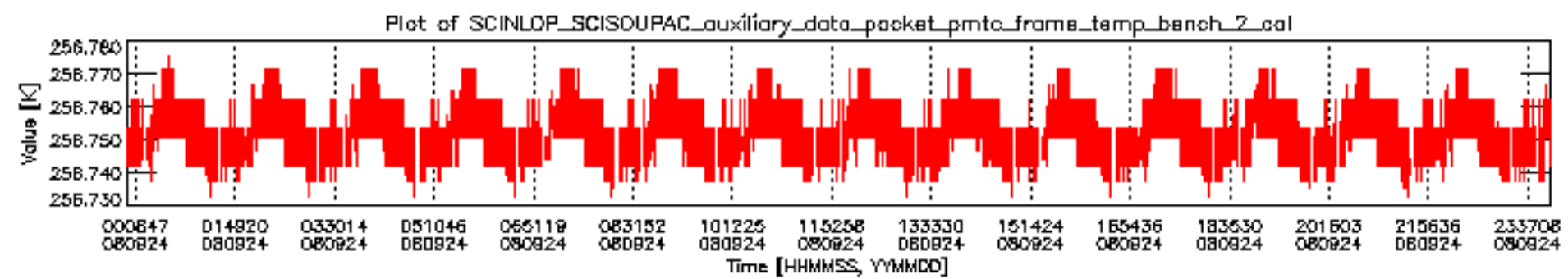


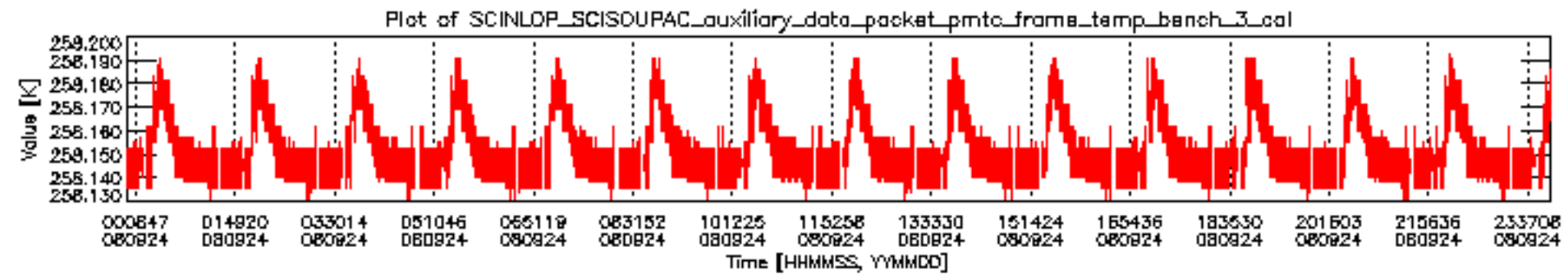
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080924_7.PNG

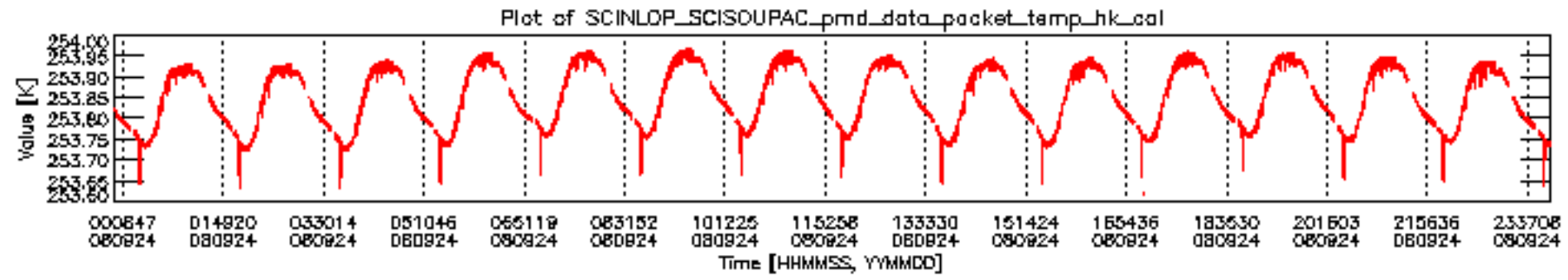


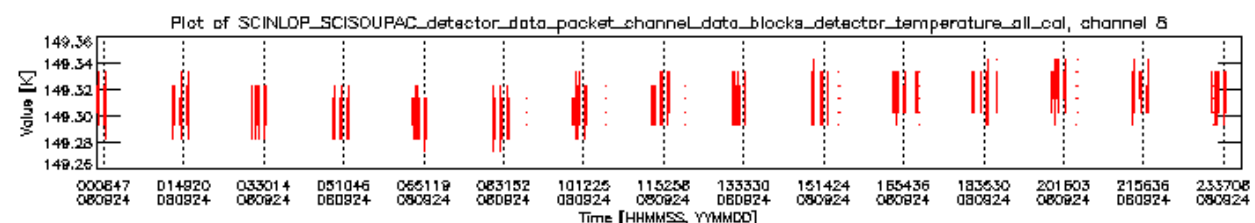
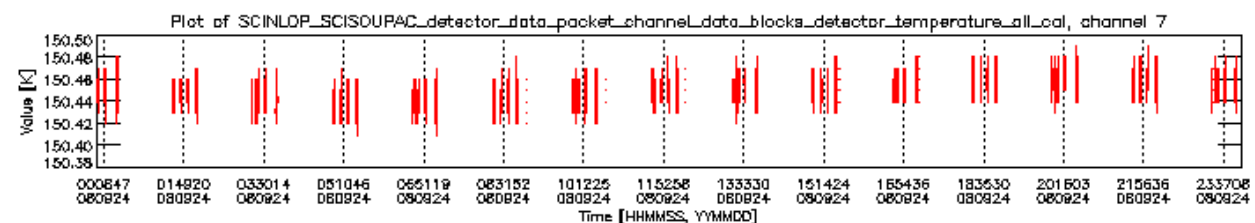
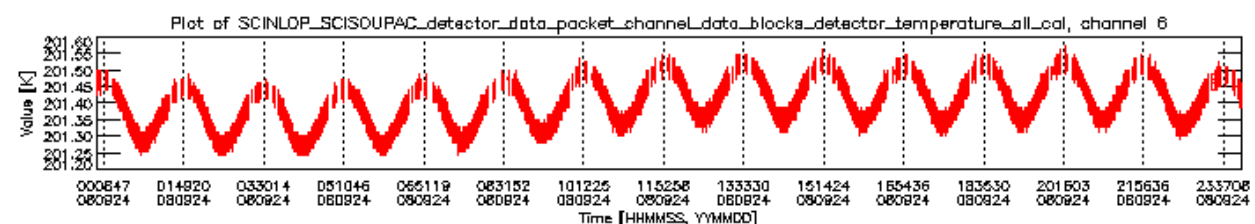
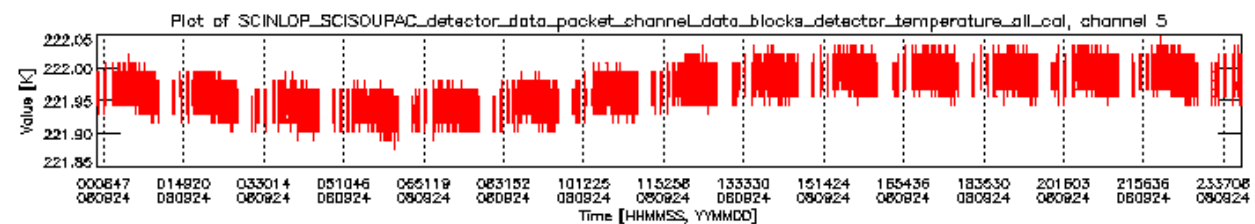
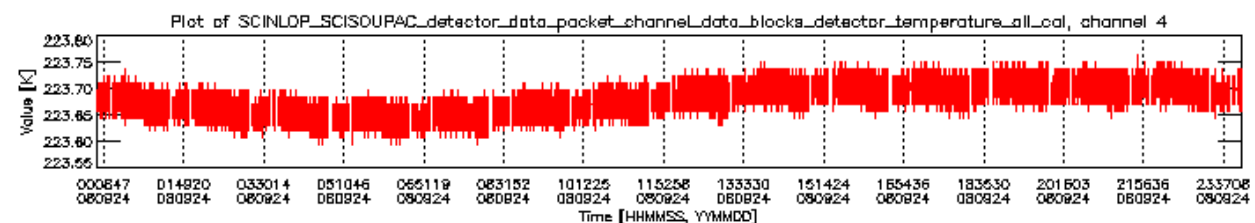
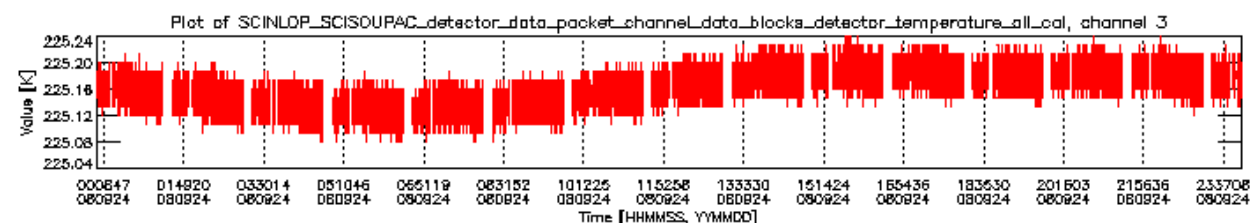
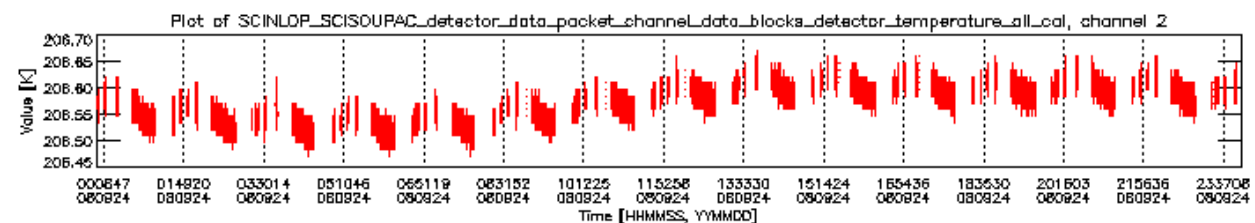
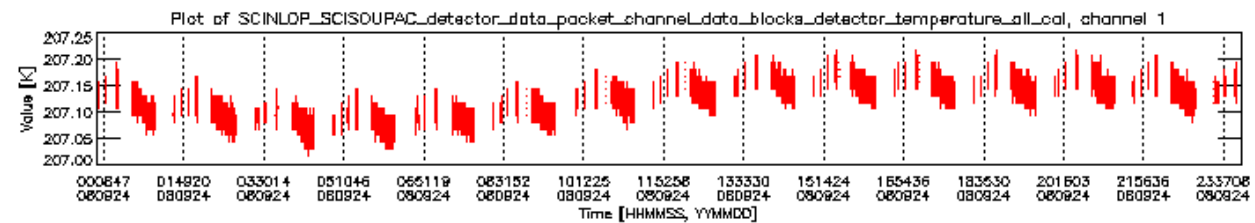
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080924_8.PNG











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