

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	05AUG2008 04:47:33
Data source version	KSPT_L0/4303-N
Processing scope for products	01AUG2008 00:00:00 to 02AUG2008 00:00:00
Start time of first product within scope	31JUL2008 23:52:34
Stop time of last product within scope	02AUG2008 01:02:23
Total number of level 0 products	16
Number of level 0 products with errors	0

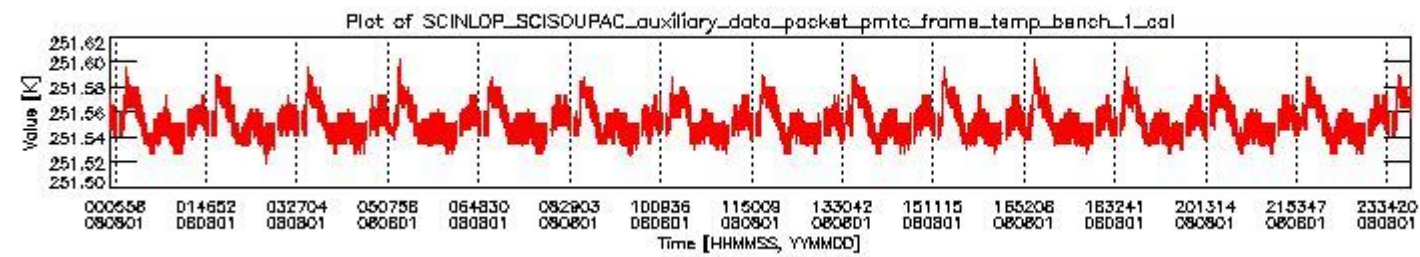
0.1.2 Summary per product

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

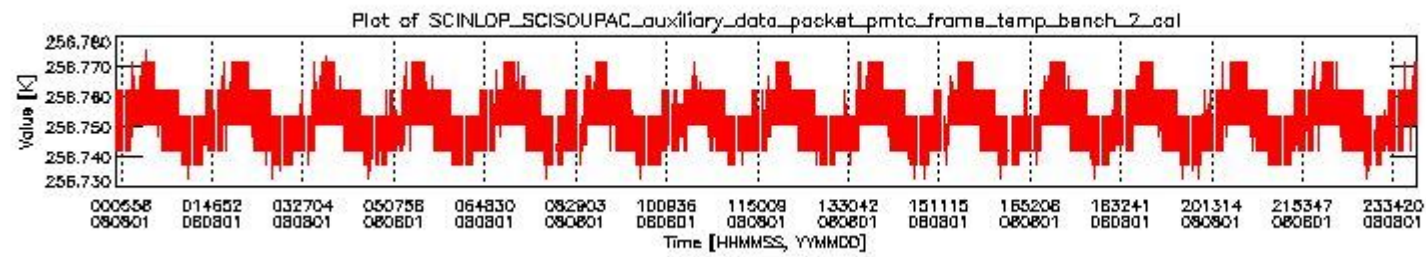
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080731_235234_000059932070_00445_33565_7222.N1	31JUL2008 23:52:34	01AUG2008 01:32:27	0	0	0	0	0
1	SCI_NL__OPNPDE20080801_013059_000047872070_00446_33566_7223.N1	01AUG2008 01:30:59	01AUG2008 02:50:46	0	0	0	0	0
2	SCI_NL__OPNPDE20080801_025046_000057752070_00447_33567_7224.N1	01AUG2008 02:50:46	01AUG2008 04:27:00	0	0	0	0	0
3	SCI_NL__OPNPDE20080801_042552_000061052070_00448_33568_7225.N1	01AUG2008 04:25:52	01AUG2008 06:07:37	0	0	0	0	0
4	SCI_NL__OPNPDK20080801_060737_000041012070_00449_33569_8918.N1	01AUG2008 06:07:37	01AUG2008 07:15:58	0	0	0	0	0
5	SCI_NL__OPNPDK20080801_071558_000061052070_00450_33570_8919.N1	01AUG2008 07:15:58	01AUG2008 08:57:43	0	0	0	0	0
6	SCI_NL__OPNPDK20080801_085743_000060362070_00451_33571_8920.N1	01AUG2008 08:57:43	01AUG2008 10:38:19	0	0	0	0	0
7	SCI_NL__OPNPDK20080801_103710_000059802070_00452_33572_8921.N1	01AUG2008 10:37:10	01AUG2008 12:16:51	0	0	0	0	0
8	SCI_NL__OPNPDK20080801_121555_000060232070_00453_33573_8922.N1	01AUG2008 12:15:55	01AUG2008 13:56:18	0	0	0	0	0
9	SCI_NL__OPNPDK20080801_135618_000058562070_00454_33574_8923.N1	01AUG2008 13:56:18	01AUG2008 15:33:54	0	0	0	0	0
10	SCI_NL__OPNPDK20080801_153258_000059172070_00455_33575_8924.N1	01AUG2008 15:32:58	01AUG2008 17:11:35	0	0	0	0	0
11	SCI_NL__OPNPDK20080801_171039_000059802070_00456_33576_8925.N1	01AUG2008 17:10:39	01AUG2008 18:50:20	0	0	0	0	0
12	SCI_NL__OPNPDK20080801_184911_000060742070_00457_33577_8926.N1	01AUG2008 18:49:11	01AUG2008 20:30:26	0	0	0	0	0
13	SCI_NL__OPNPDE20080801_202930_000043452070_00458_33578_7226.N1	01AUG2008 20:29:30	01AUG2008 21:41:54	0	0	0	0	0
14	SCI_NL__OPNPDE20080801_214026_000061162070_00458_33578_7227.N1	01AUG2008 21:40:26	01AUG2008 23:22:23	0	0	0	0	0
15	SCI_NL__OPNPDE20080801_232223_000060002070_00459_33579_7228.N1	01AUG2008 23:22:23	02AUG2008 01:02:23	0	0	0	0	0

0.2 Product Quality Indicators

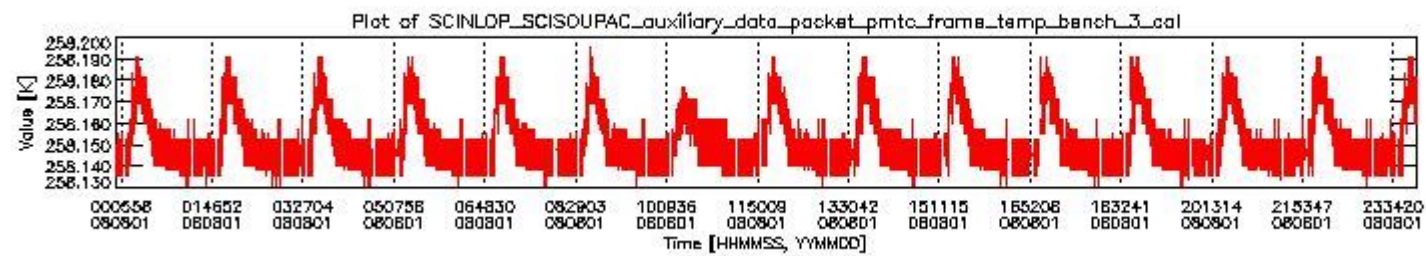
This section shows information about product quality, currently temperatures.



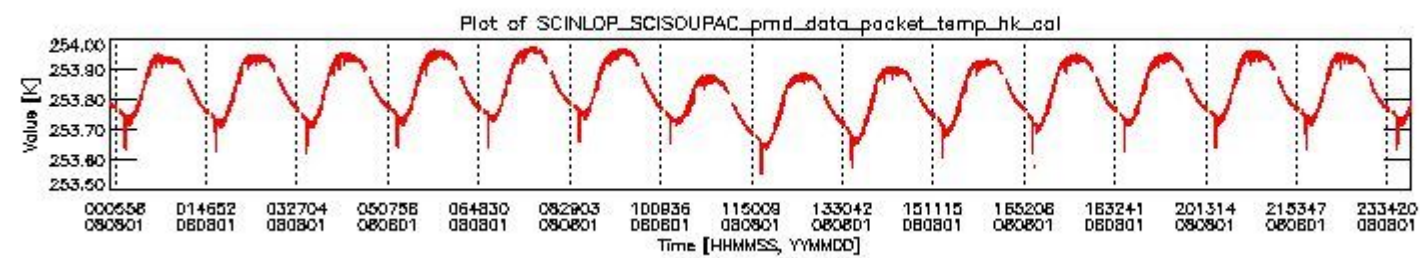
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080801_0.PNG



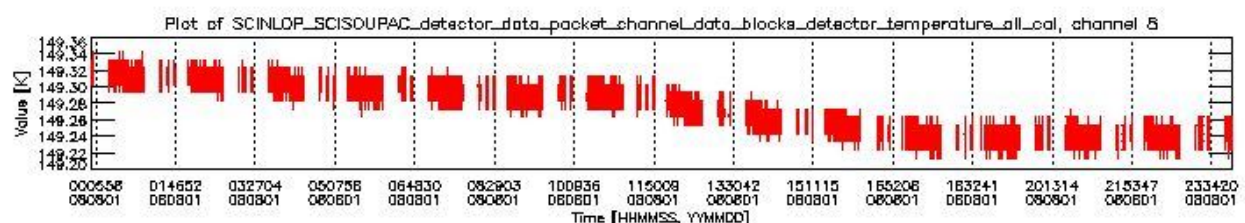
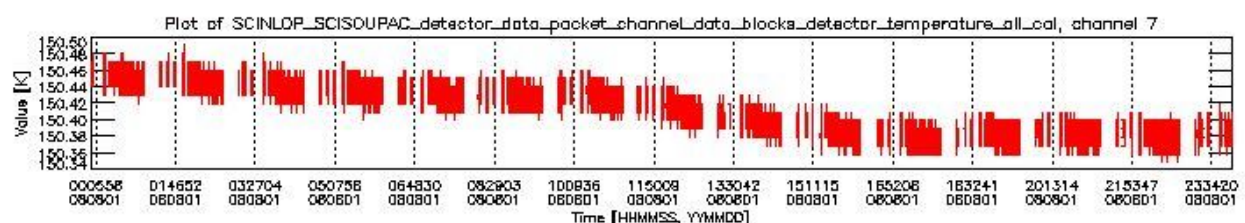
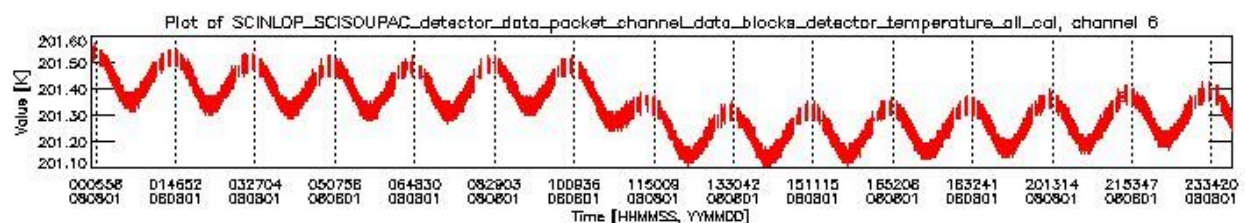
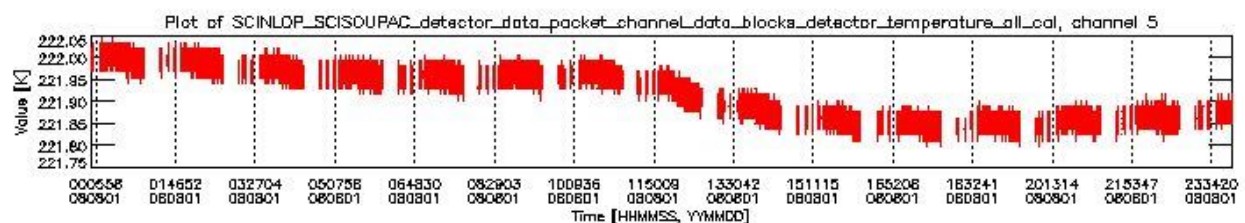
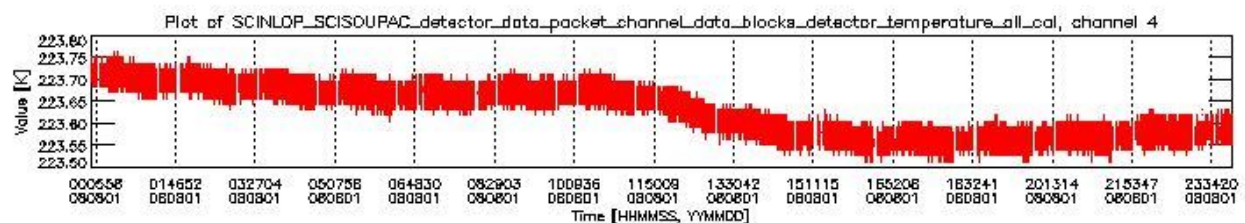
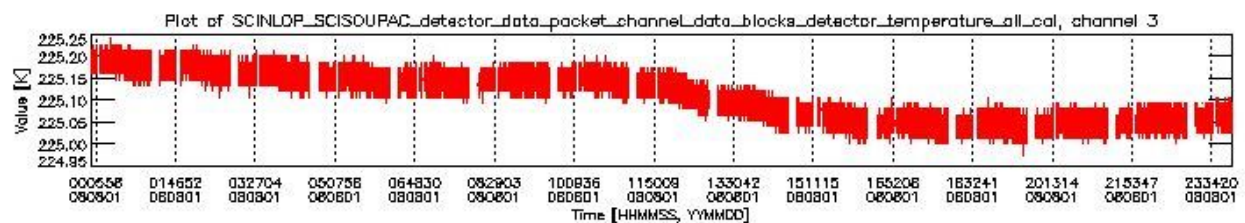
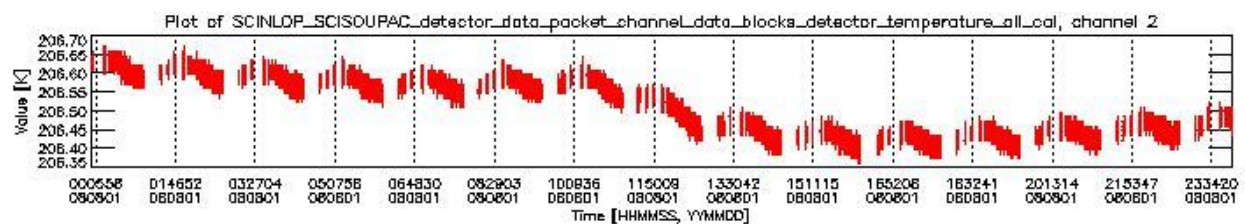
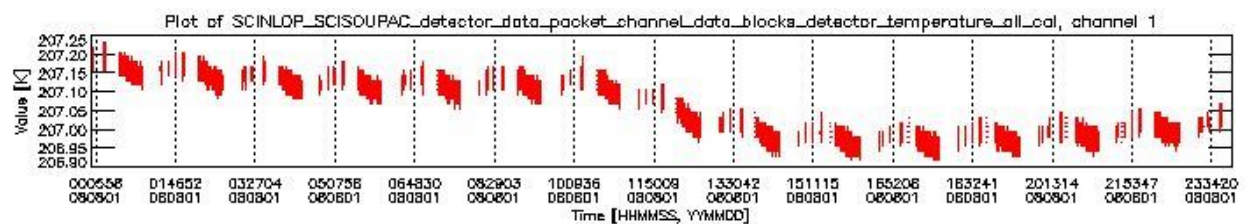
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080801_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080801_3.PNG

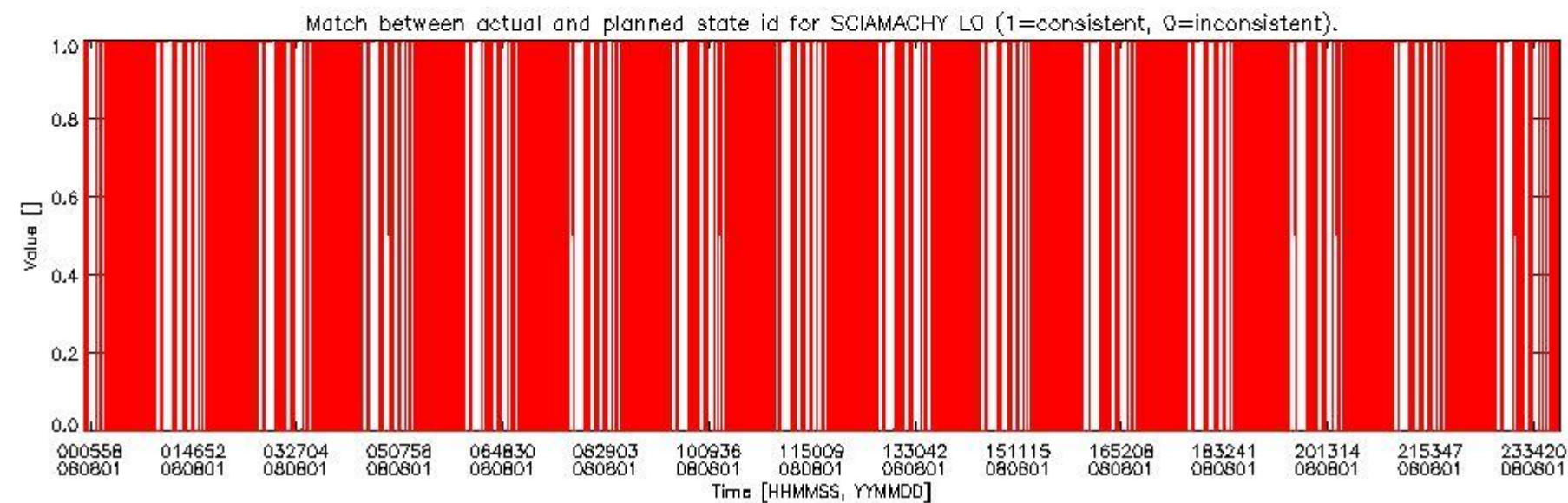
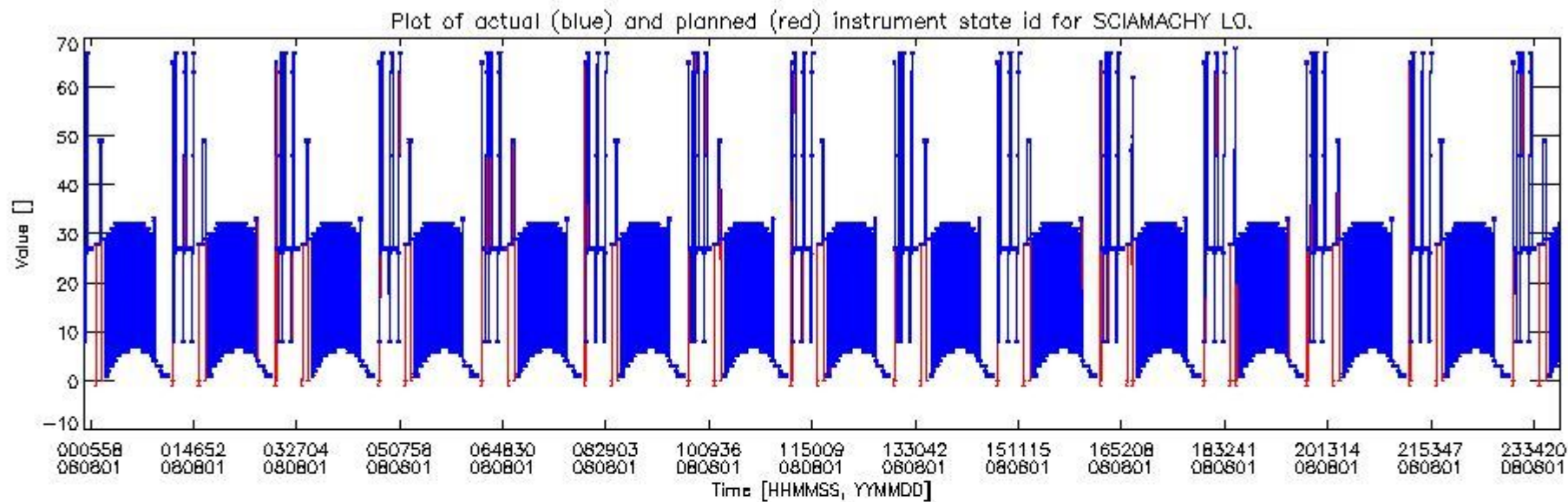


0.3 State monitoring

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: **32752**

#	Actual time	Actual value	Planned time	Planned value
0	01AUG2008 00:00:27.147187	8	01AUG2008 00:00:27.147187	27
1	01AUG2008 00:00:28.272186	8	01AUG2008 00:00:28.272186	27
2	01AUG2008 00:00:29.272221	8	01AUG2008 00:00:29.272221	27
3	01AUG2008 00:00:30.272216	8	01AUG2008 00:00:30.272216	27
4	01AUG2008 00:00:31.272210	8	01AUG2008 00:00:31.272210	27
5	01AUG2008 00:00:32.147200	8	01AUG2008 00:00:32.147200	27
6	01AUG2008 00:00:32.272205	8	01AUG2008 00:00:32.272205	27
7	01AUG2008 00:00:33.272199	8	01AUG2008 00:00:33.272199	27
8	01AUG2008 00:00:34.272194	8	01AUG2008 00:00:34.272194	27
9	01AUG2008 00:01:10.705792	26	01AUG2008 00:01:10.705792	8
10	01AUG2008 00:01:11.330814	26	01AUG2008 00:01:11.330814	8
11	01AUG2008 00:01:11.830791	26	01AUG2008 00:01:11.830791	8
12	01AUG2008 00:01:12.330809	26	01AUG2008 00:01:12.330809	8
13	01AUG2008 00:01:12.830786	26	01AUG2008 00:01:12.830786	8
14	01AUG2008 00:01:13.330803	26	01AUG2008 00:01:13.330803	8
15	01AUG2008 00:01:13.830821	26	01AUG2008 00:01:13.830821	8
16	01AUG2008 00:01:14.330798	26	01AUG2008 00:01:14.330798	8
17	01AUG2008 00:01:14.830815	26	01AUG2008 00:01:14.830815	8
18	01AUG2008 00:01:15.330792	26	01AUG2008 00:01:15.330792	8
19	01AUG2008 00:01:15.705805	26	01AUG2008 00:01:15.705805	8

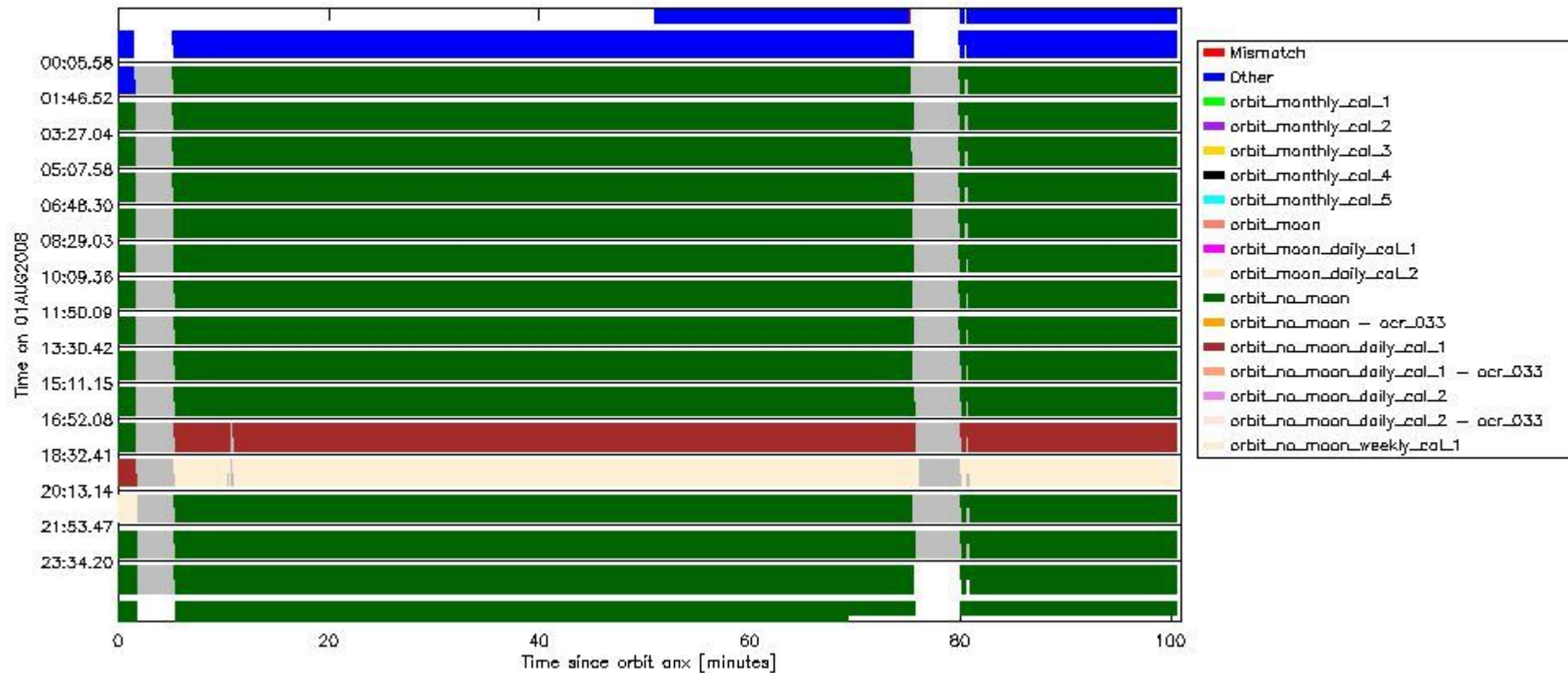


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080801_5.PNG

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 01AUG2008.
 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_20080801_6.PNG

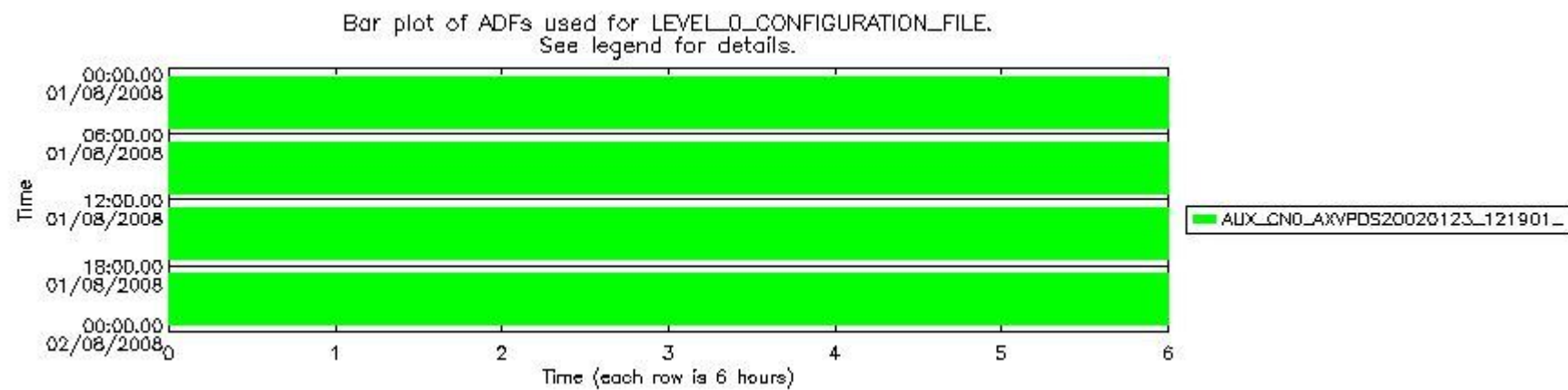
0.4 ADF monitoring

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

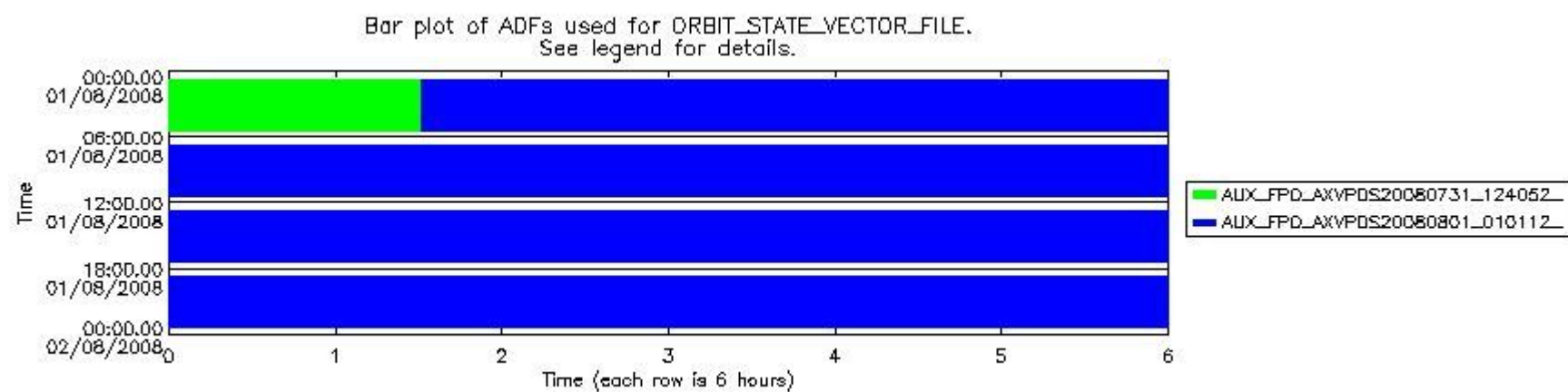
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

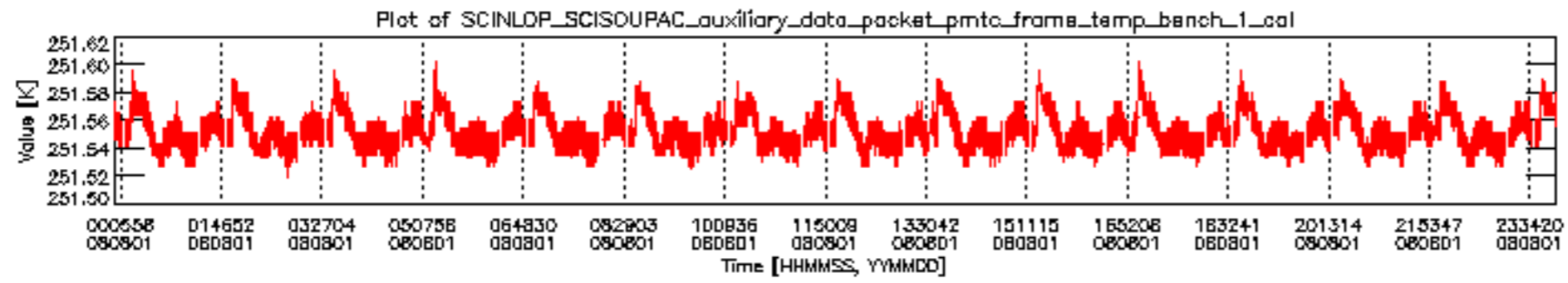
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080731_124052_20080730_193549_20080809_210202
2	AUX_FPO_AXVPDS20080801_010112_20080731_190412_20080810_203025

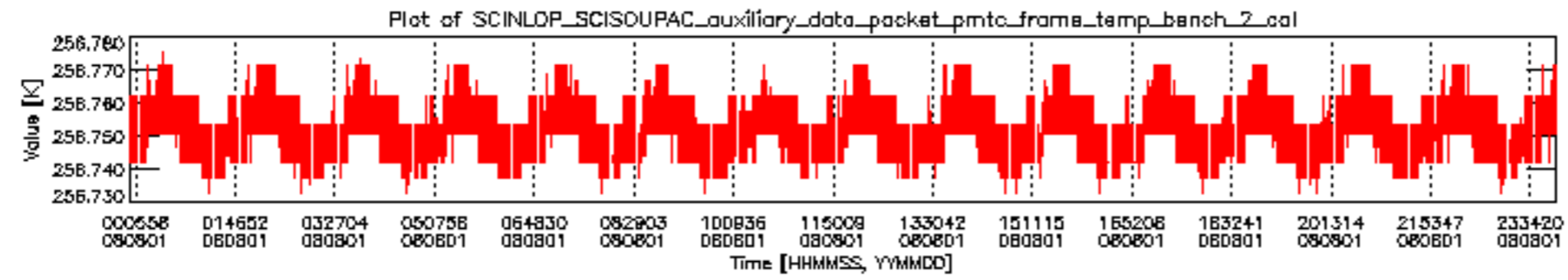


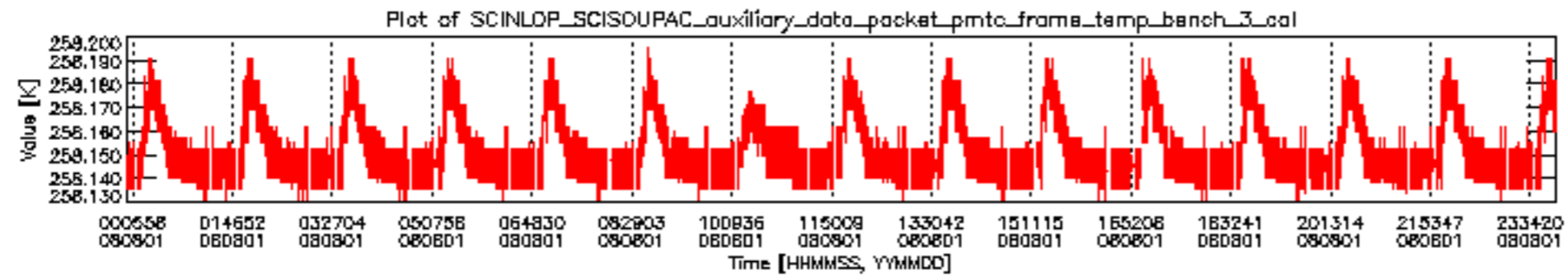
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080801_7.PNG

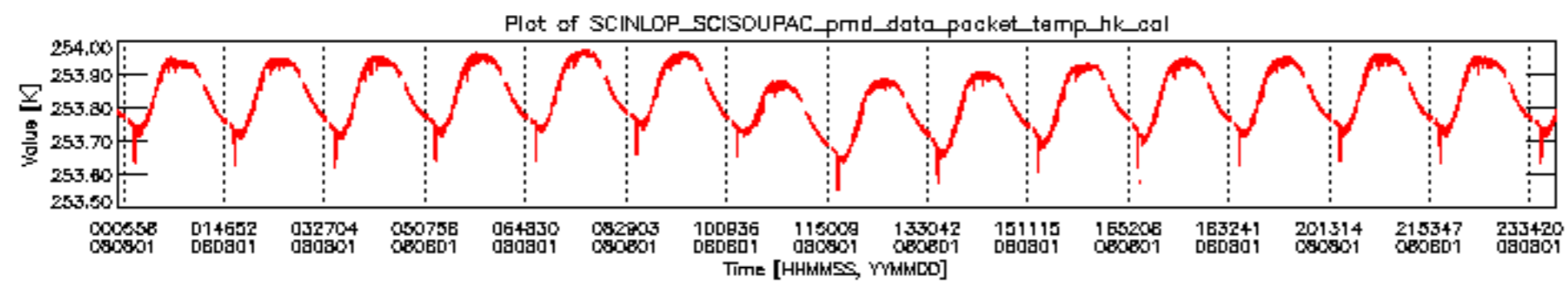


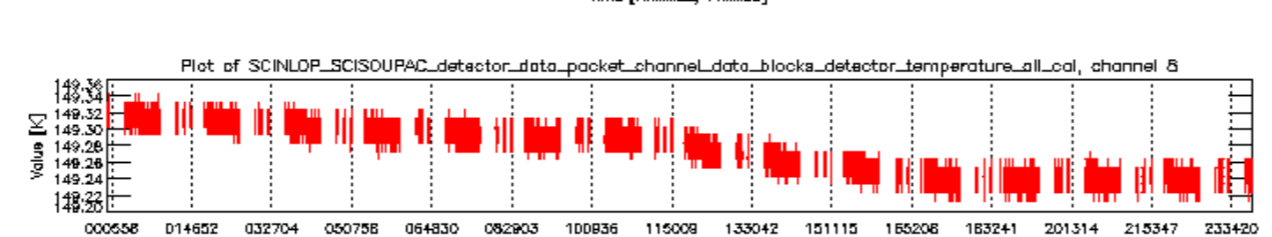
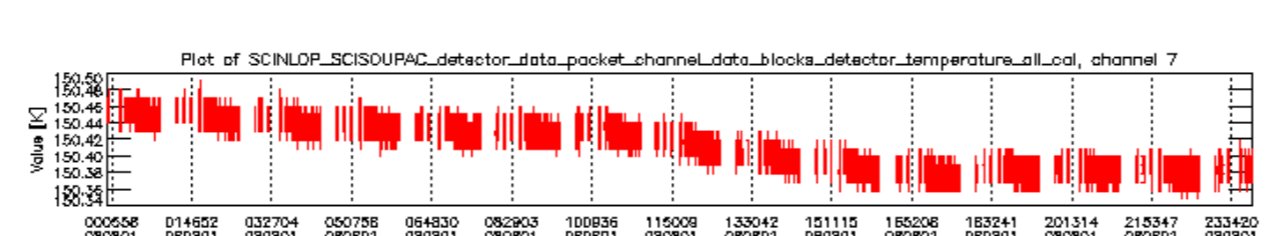
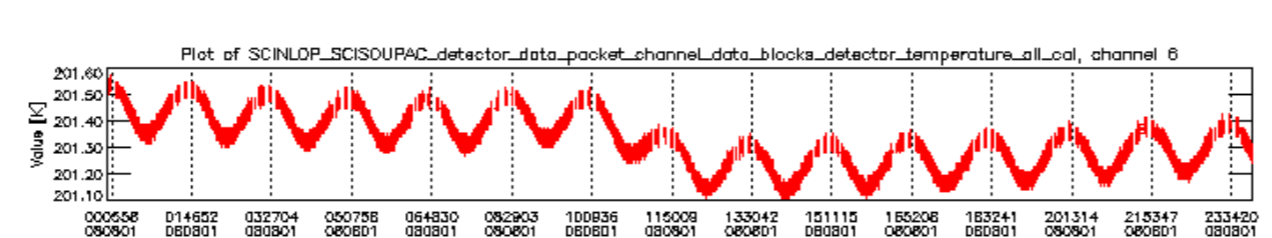
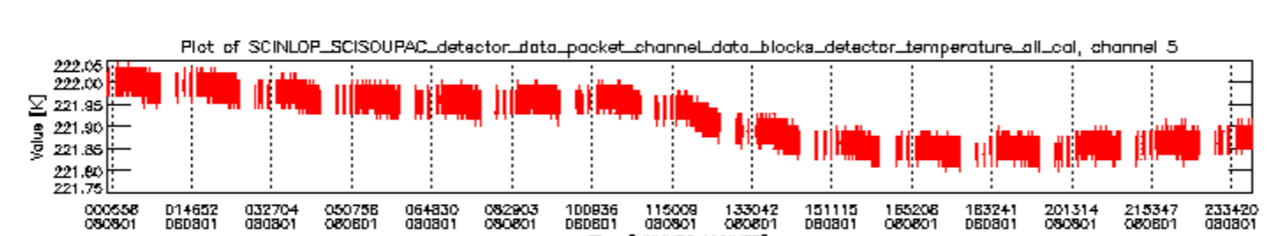
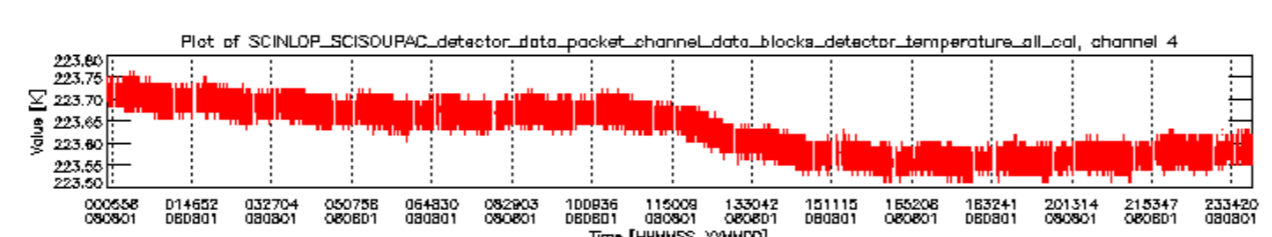
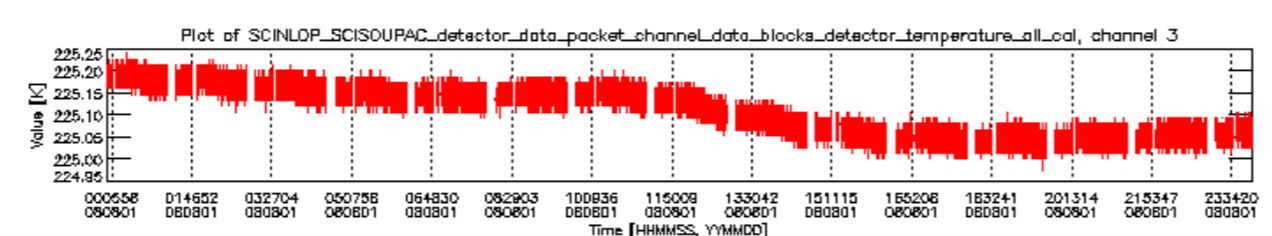
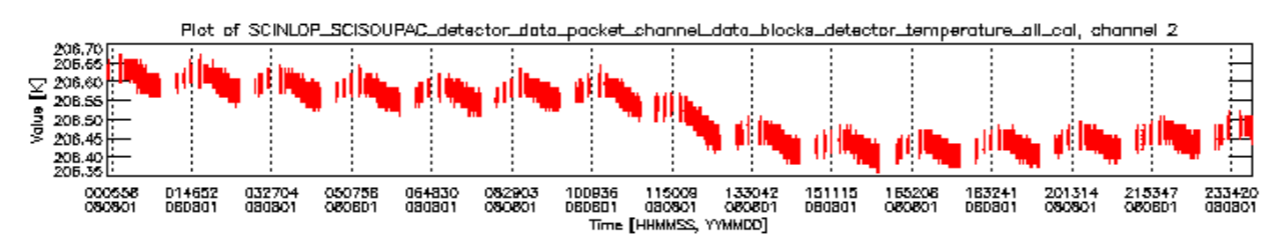
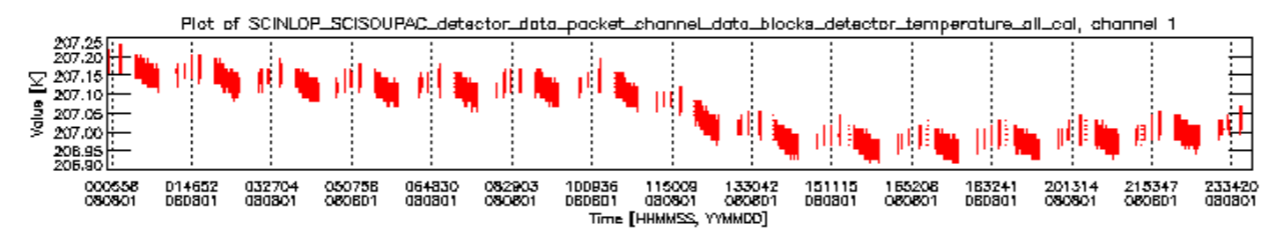
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080801_8.PNG











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 01AUG2008.
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