

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	21SEP2008 06:03:48
Data source version	KSPT_L0/4303-N
Processing scope for products	17SEP2008 00:00:00 to 18SEP2008 00:00:00
Start time of first product within scope	16SEP2008 22:35:45
Stop time of last product within scope	18SEP2008 01:25:29
Total number of level 0 products	21
Number of level 0 products with errors	11

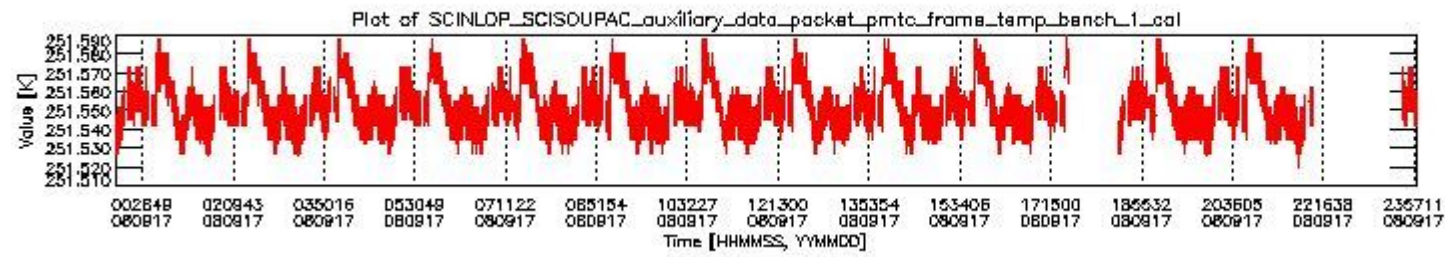
0.1.2 Summary per product

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

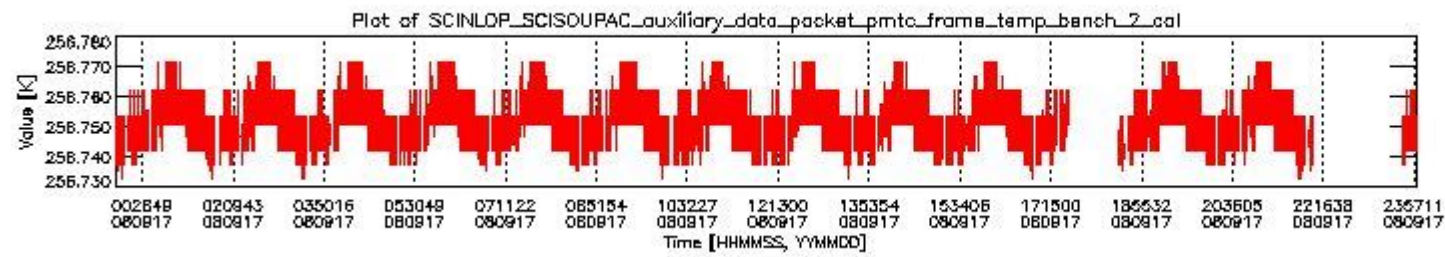
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080916_223545_000060882072_00115_34237_7520.N1	16SEP2008 22:35:45	17SEP2008 00:17:13	0	0	0	0	0
1	SCI_NL__OPNPDE20080917_001630_000059042072_00116_34238_7521.N1	17SEP2008 00:16:30	17SEP2008 01:54:54	0	0	0	0	0
2	SCI_NL__OPNPDE20080917_015410_000044992072_00117_34239_7522.N1	17SEP2008 01:54:10	17SEP2008 03:09:09	0	0	0	0	0
3	SCI_NL__OPNPDE20080917_030801_000061612072_00118_34240_7523.N1	17SEP2008 03:08:01	17SEP2008 04:50:42	0	0	0	0	0
4	SCI_NL__OPNPDE20080917_045042_000060372072_00119_34241_7524.N1	17SEP2008 04:50:42	17SEP2008 06:31:18	0	0	0	0	0
5	SCI_NL__OPNPDK20080917_063022_000041572072_00120_34242_9407.N1	17SEP2008 06:30:22	17SEP2008 07:39:40	1	1	0	0	0
6	SCI_NL__OPNPDK20080917_073844_000042012072_00121_34243_9408.N1	17SEP2008 07:38:44	17SEP2008 08:48:45	1	1	1	0	0
7	SCI_NL__OPNPDK20080917_084845_000019602072_00121_34243_9412.N1	17SEP2008 08:48:45	17SEP2008 09:21:25	0	0	0	0	0
8	SCI_NL__OPNPDK20080917_092029_000001802072_00122_34244_9413.N1	17SEP2008 09:20:29	17SEP2008 09:23:29	0	0	0	0	0
9	SCI_NL__OPNPDK20080917_092329_000035242072_00122_34244_9414.N1	17SEP2008 09:23:29	17SEP2008 10:22:13	1	1	0	0	0
10	SCI_NL__OPNPDK20080917_102213_000022642072_00122_34244_9415.N1	17SEP2008 10:22:13	17SEP2008 10:59:57	1	1	0	0	0
11	SCI_NL__OPNPDK20080917_105957_000045932072_00123_34245_9416.N1	17SEP2008 10:59:57	17SEP2008 12:16:29	1	1	0	0	0
12	SCI_NL__OPNPDK20080917_121629_000013882072_00124_34246_9417.N1	17SEP2008 12:16:29	17SEP2008 12:39:37	0	0	0	0	0
13	SCI_NL__OPNPDK20080917_123937_000059682072_00124_34246_9418.N1	17SEP2008 12:39:37	17SEP2008 14:19:05	1	1	0	0	0
14	SCI_NL__OPNPDK20080917_141756_000059252072_00125_34247_9419.N1	17SEP2008 14:17:56	17SEP2008 15:56:41	1	1	0	0	0
15	SCI_NL__OPNPDK20080917_155533_000059322072_00126_34248_9420.N1	17SEP2008 15:55:33	17SEP2008 17:34:25	1	1	0	0	0
16	SCI_NL__OPNPDK20080917_173329_000033852072_00127_34249_9423.N1	17SEP2008 17:33:29	17SEP2008 18:29:54	1	1	0	0	0
17	SCI_NL__OPNPDK20080917_182954_000025962072_00127_34249_9424.N1	17SEP2008 18:29:54	17SEP2008 19:13:09	1	1	0	0	0
18	SCI_NL__OPNPDK20080917_191309_000059612072_00128_34250_9426.N1	17SEP2008 19:13:09	17SEP2008 20:52:30	1	1	0	0	0
19	SCI_NL__OPNPDE20080917_205012_000044442072_00129_34251_7525.N1	17SEP2008 20:50:12	17SEP2008 22:04:16	0	0	0	0	0
20	SCI_NL__OPNPDE20080917_234416_000060732072_00130_34252_7526.N1	17SEP2008 23:44:16	18SEP2008 01:25:29	0	0	0	0	0

0.2 Product Quality Indicators

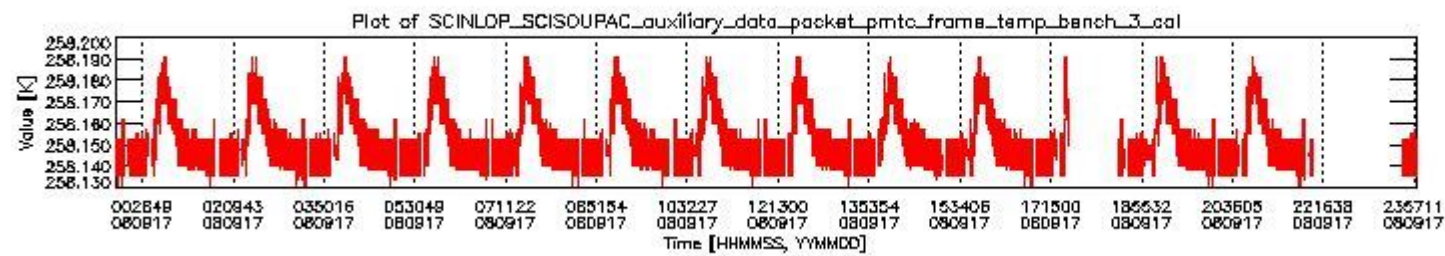
This section shows information about product quality, currently temperatures.



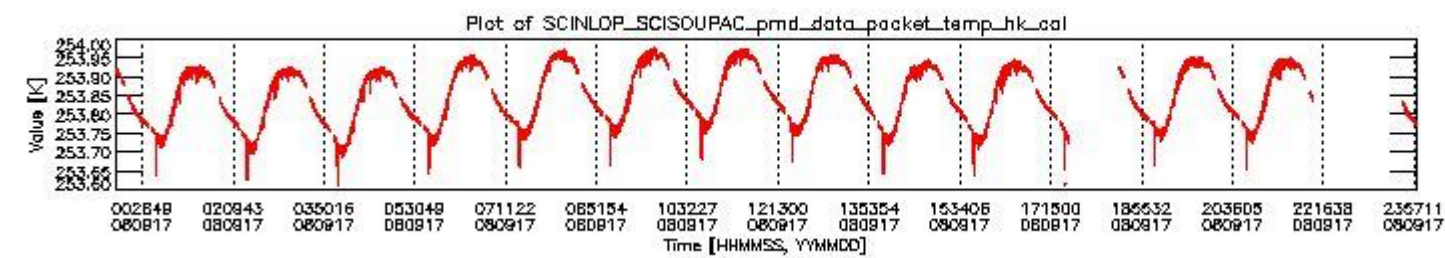
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080917_0.PNG



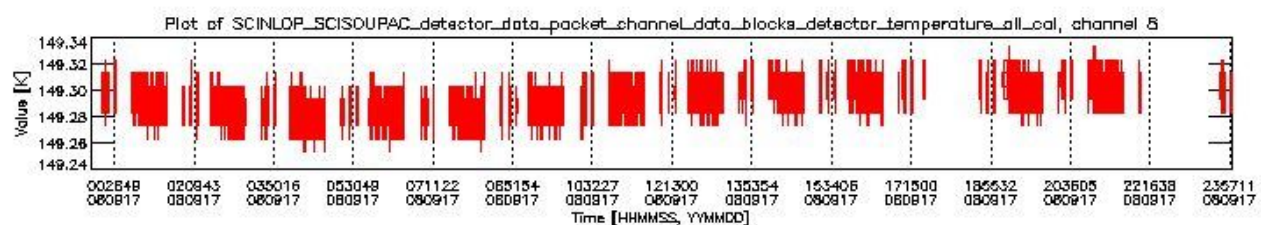
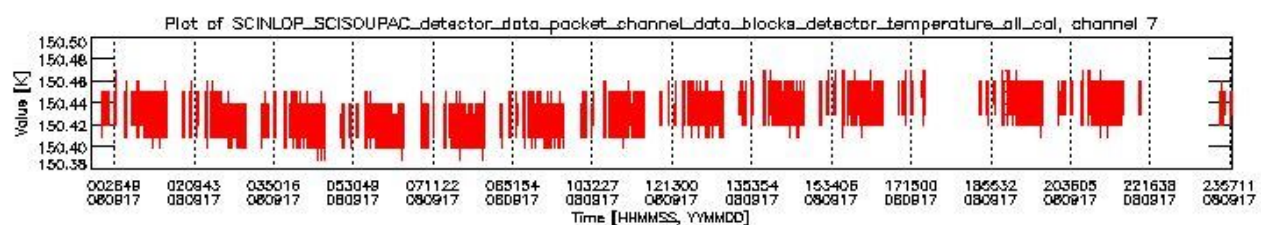
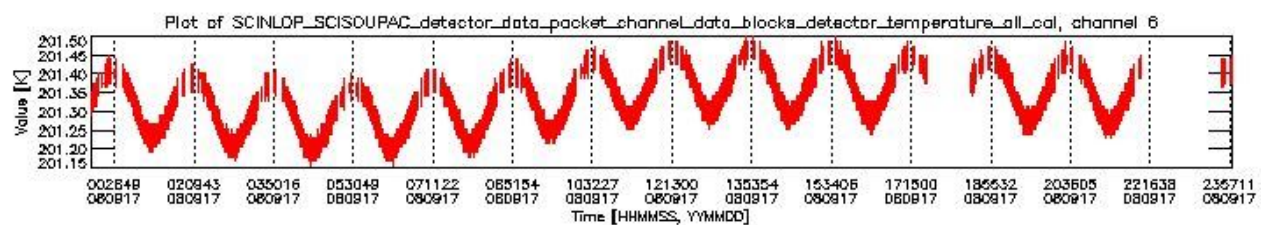
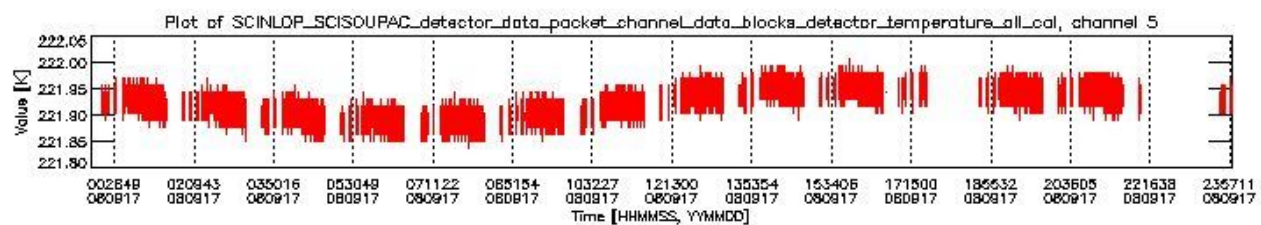
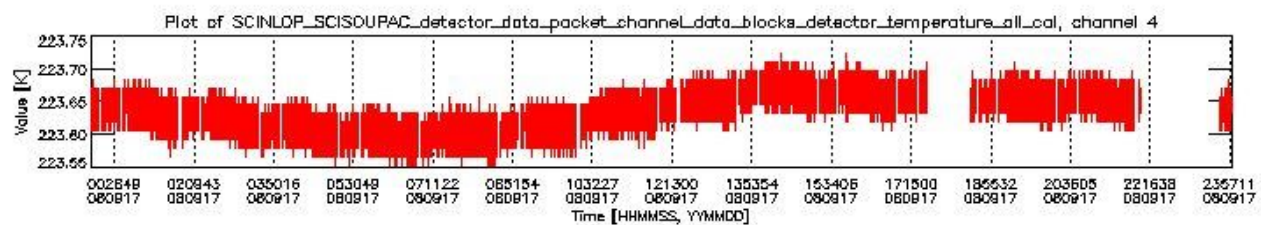
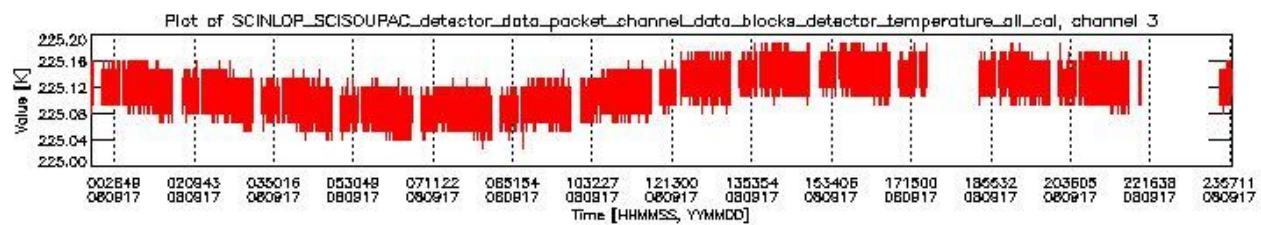
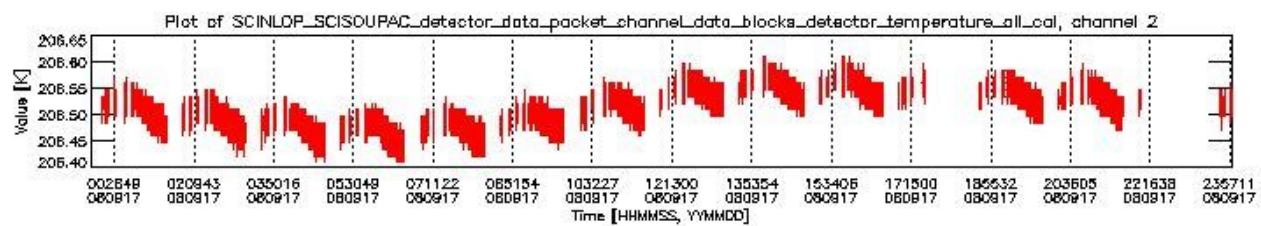
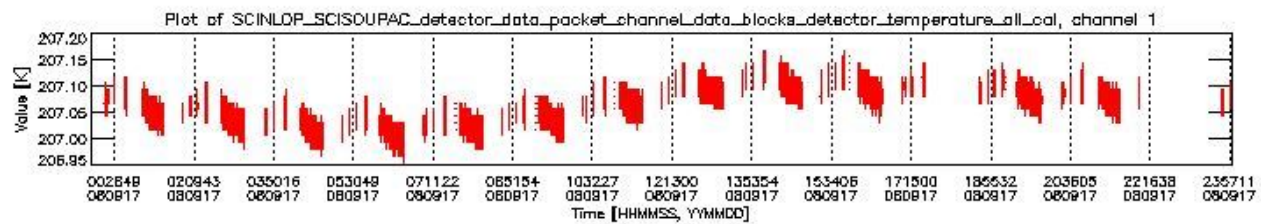
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080917_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080917_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080917_3.PNG

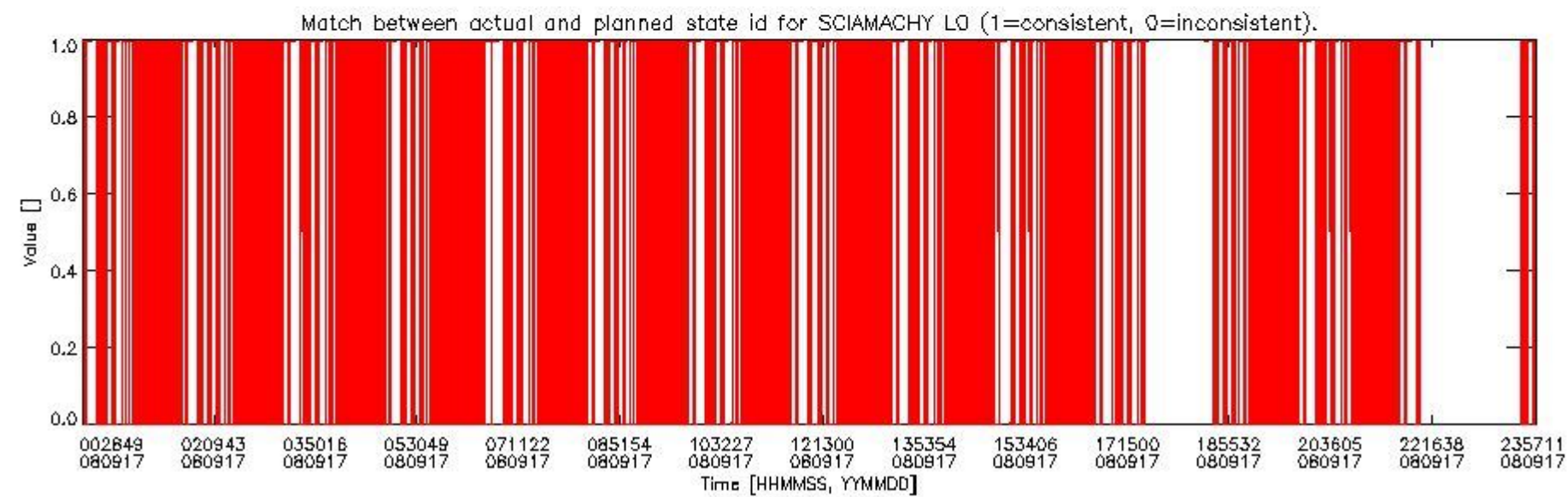
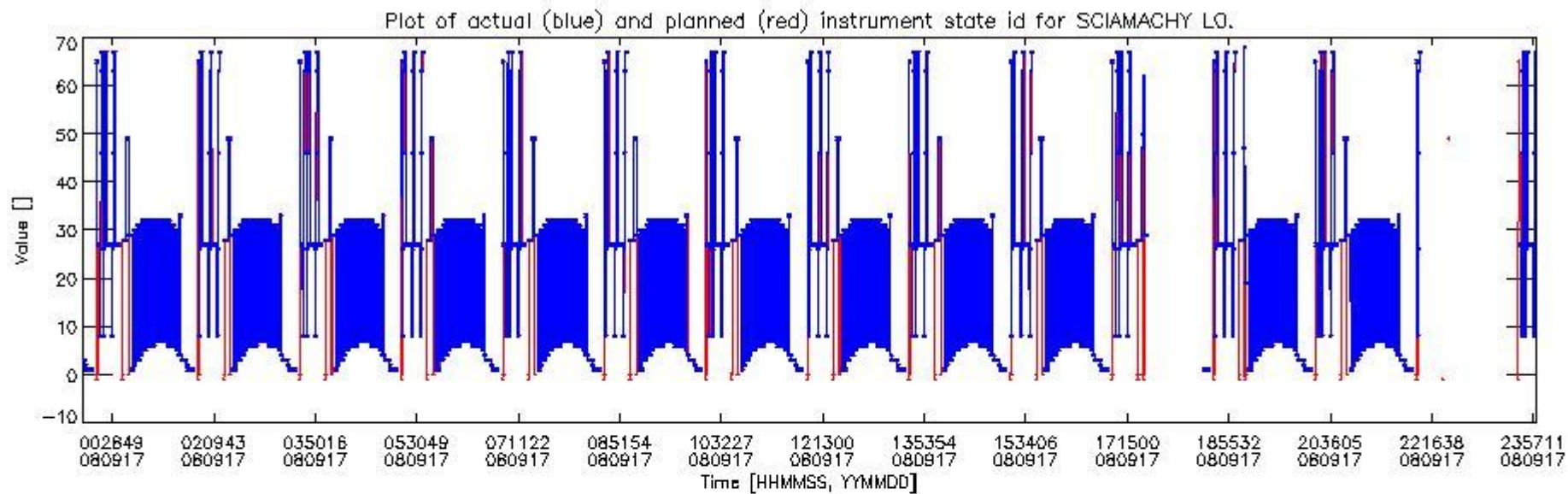


0.3 State monitoring

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: **45328**

#	Actual time	Actual value	Planned time	Planned value
0	17SEP2008 00:01:57.336117	2	17SEP2008 00:01:57.336117	3
1	17SEP2008 00:01:57.586125	2	17SEP2008 00:01:57.586125	3
2	17SEP2008 00:01:57.711130	2	17SEP2008 00:01:57.711130	3
3	17SEP2008 00:01:57.836134	2	17SEP2008 00:01:57.836134	3
4	17SEP2008 00:01:57.961138	2	17SEP2008 00:01:57.961138	3
5	17SEP2008 00:01:58.086103	2	17SEP2008 00:01:58.086103	3
6	17SEP2008 00:01:58.211107	2	17SEP2008 00:01:58.211107	3
7	17SEP2008 00:01:58.336111	2	17SEP2008 00:01:58.336111	3
8	17SEP2008 00:01:58.461116	2	17SEP2008 00:01:58.461116	3
9	17SEP2008 00:01:58.586120	2	17SEP2008 00:01:58.586120	3
10	17SEP2008 00:01:58.711124	2	17SEP2008 00:01:58.711124	3
11	17SEP2008 00:01:58.836129	2	17SEP2008 00:01:58.836129	3
12	17SEP2008 00:01:58.961133	2	17SEP2008 00:01:58.961133	3
13	17SEP2008 00:01:59.086137	2	17SEP2008 00:01:59.086137	3
14	17SEP2008 00:01:59.211142	2	17SEP2008 00:01:59.211142	3
15	17SEP2008 00:01:59.336106	2	17SEP2008 00:01:59.336106	3
16	17SEP2008 00:01:59.461110	2	17SEP2008 00:01:59.461110	3
17	17SEP2008 00:01:59.586115	2	17SEP2008 00:01:59.586115	3
18	17SEP2008 00:01:59.711119	2	17SEP2008 00:01:59.711119	3
19	17SEP2008 00:01:59.836123	2	17SEP2008 00:01:59.836123	3
...

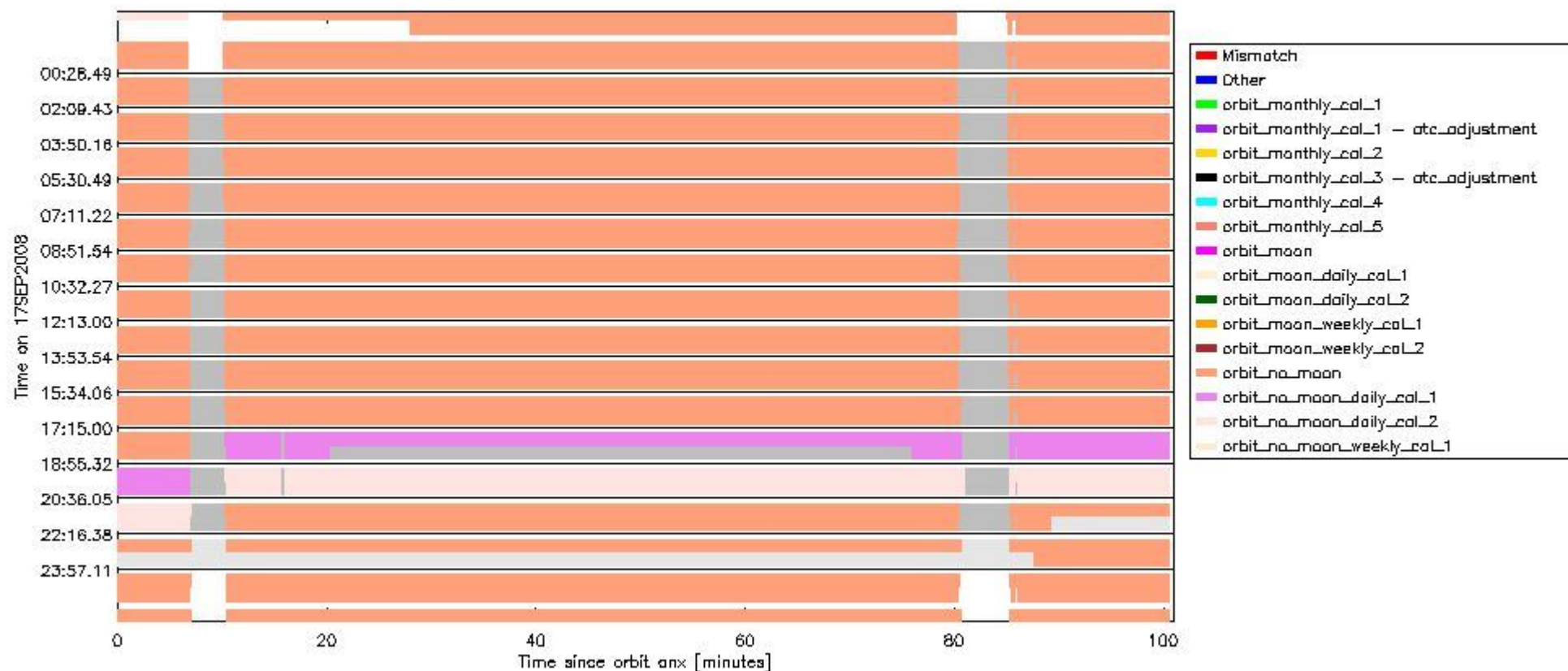


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080917_5.PNG

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 17SEP2008.
 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_20080917_6.PNG

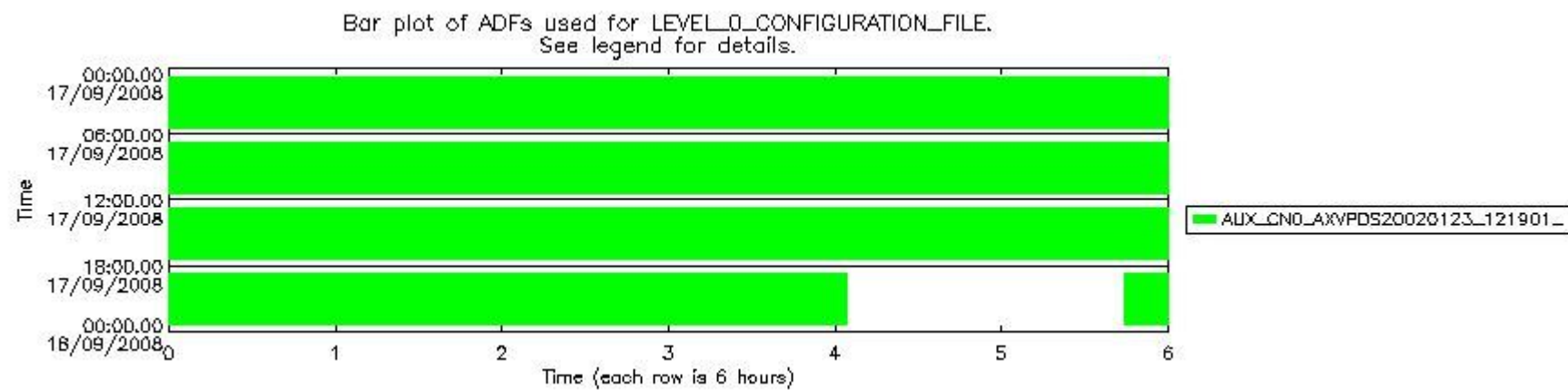
0.4 ADF monitoring

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

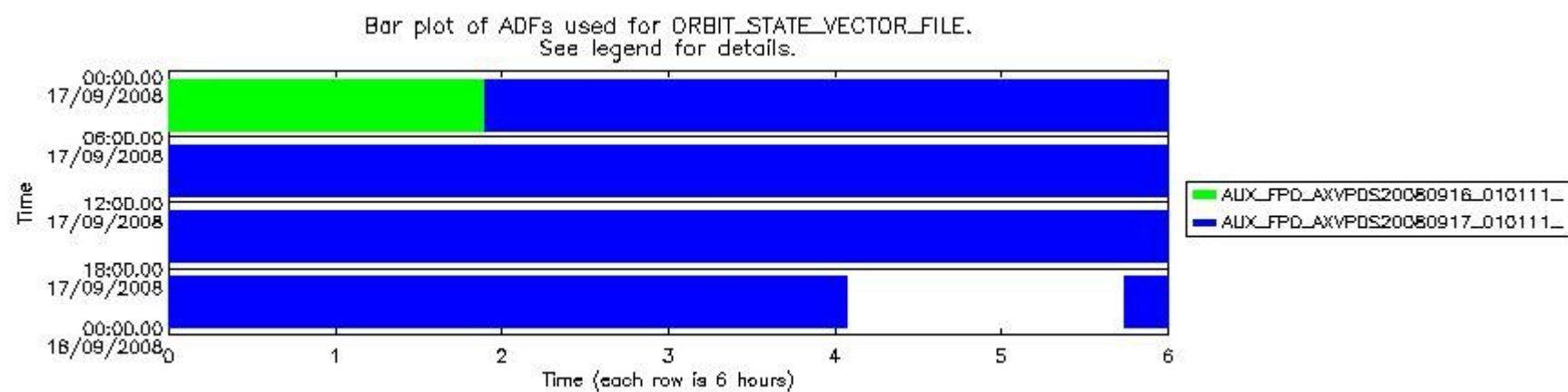
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

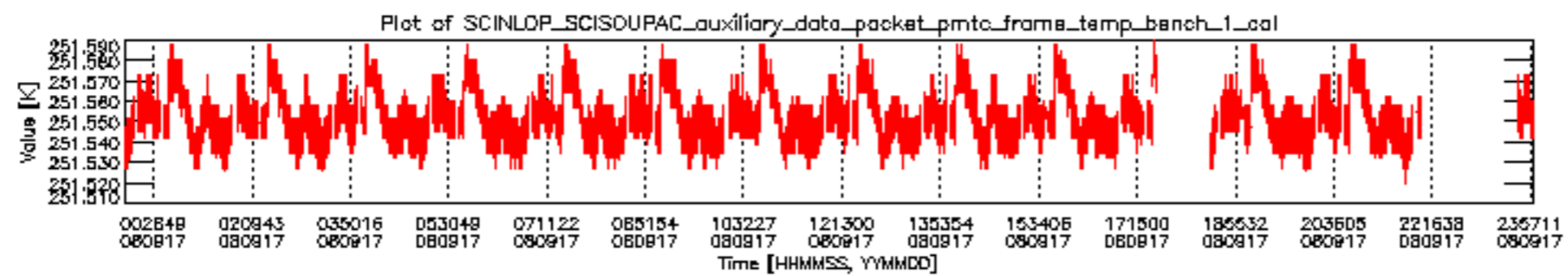
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080916_010111_20080915_195845_20080925_212500
2	AUX_FPO_AXVPDS20080917_010111_20080916_192708_20080926_205323

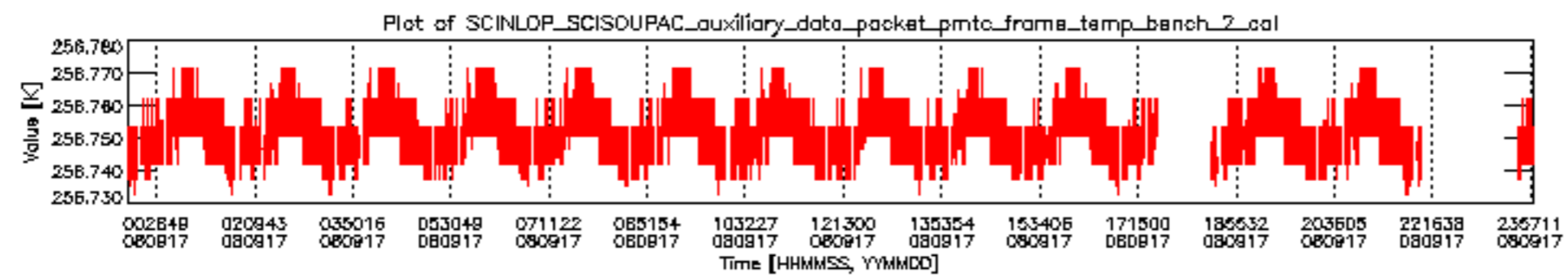


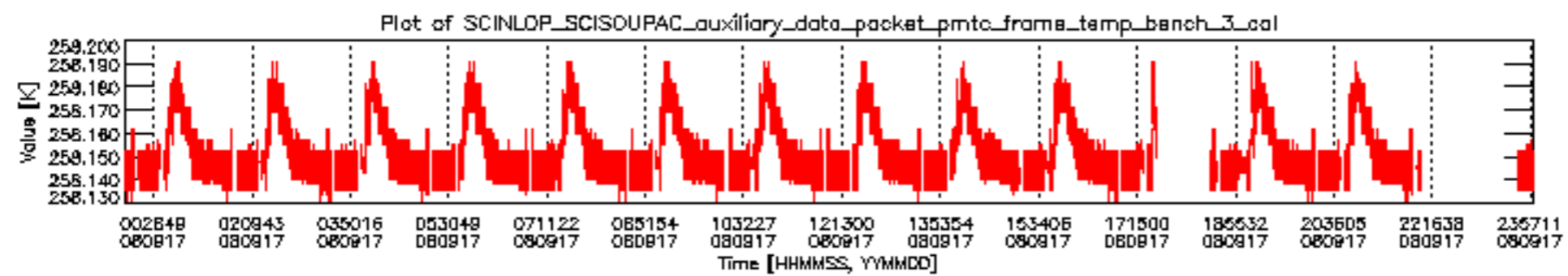
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080917_7.PNG

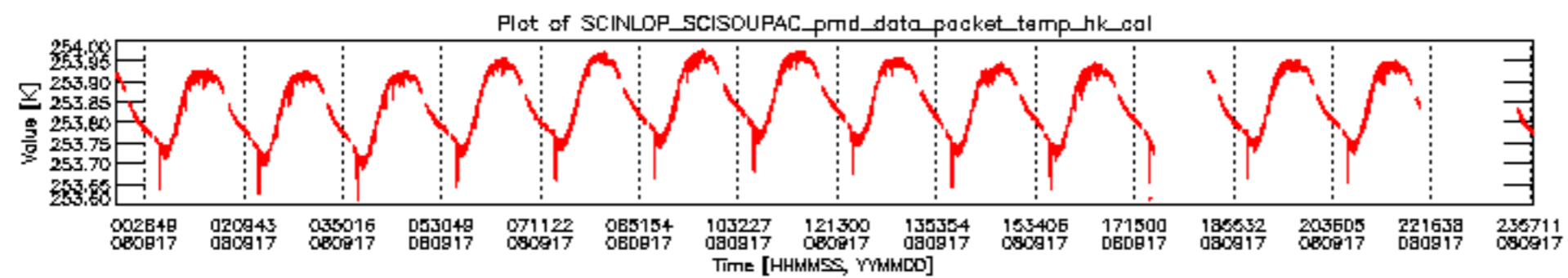


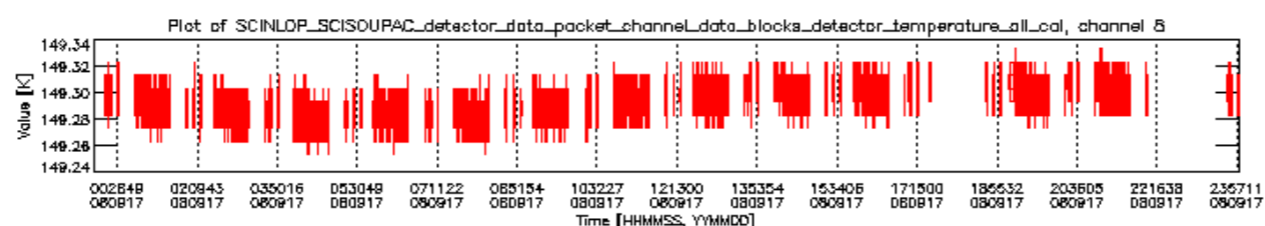
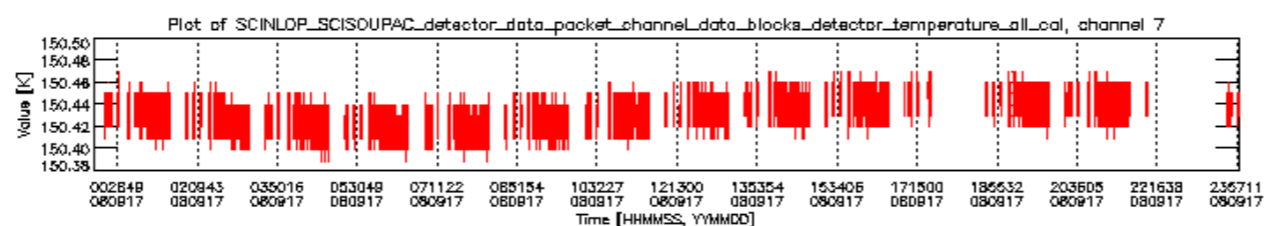
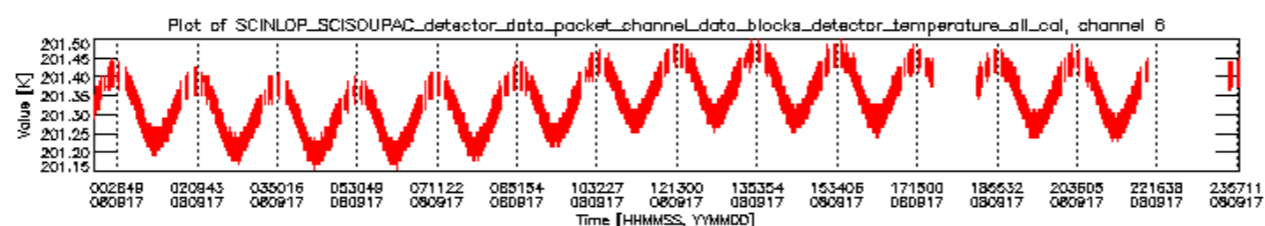
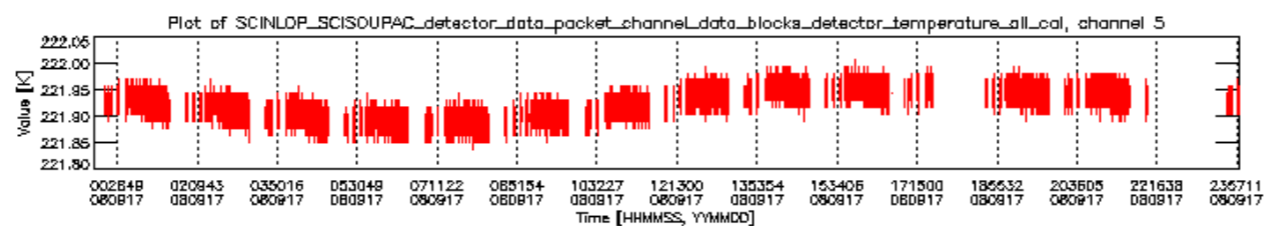
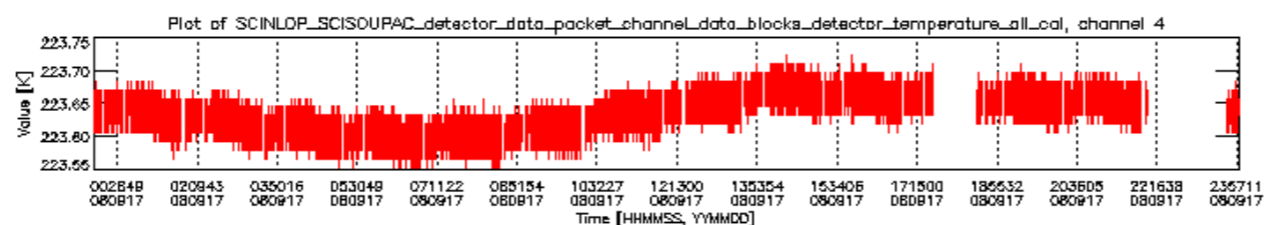
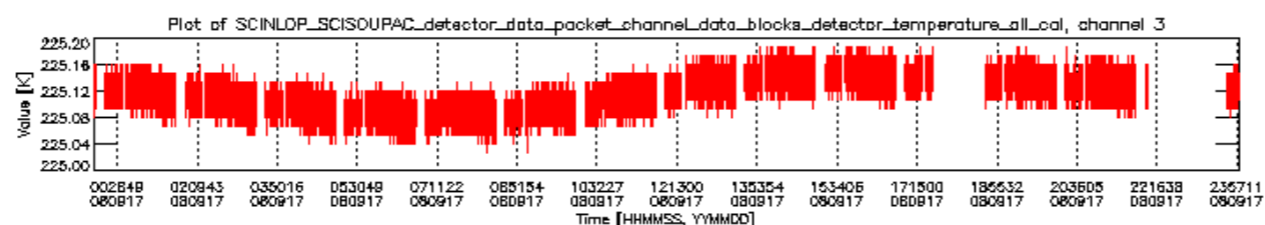
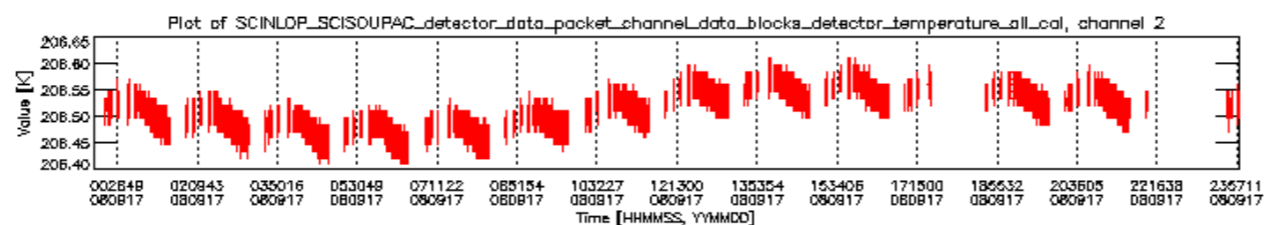
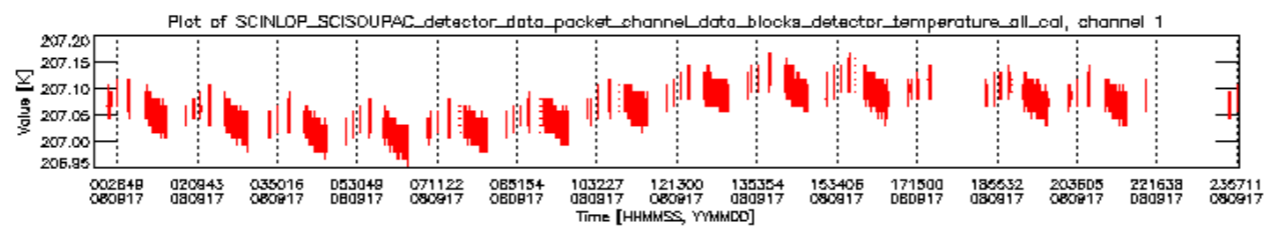
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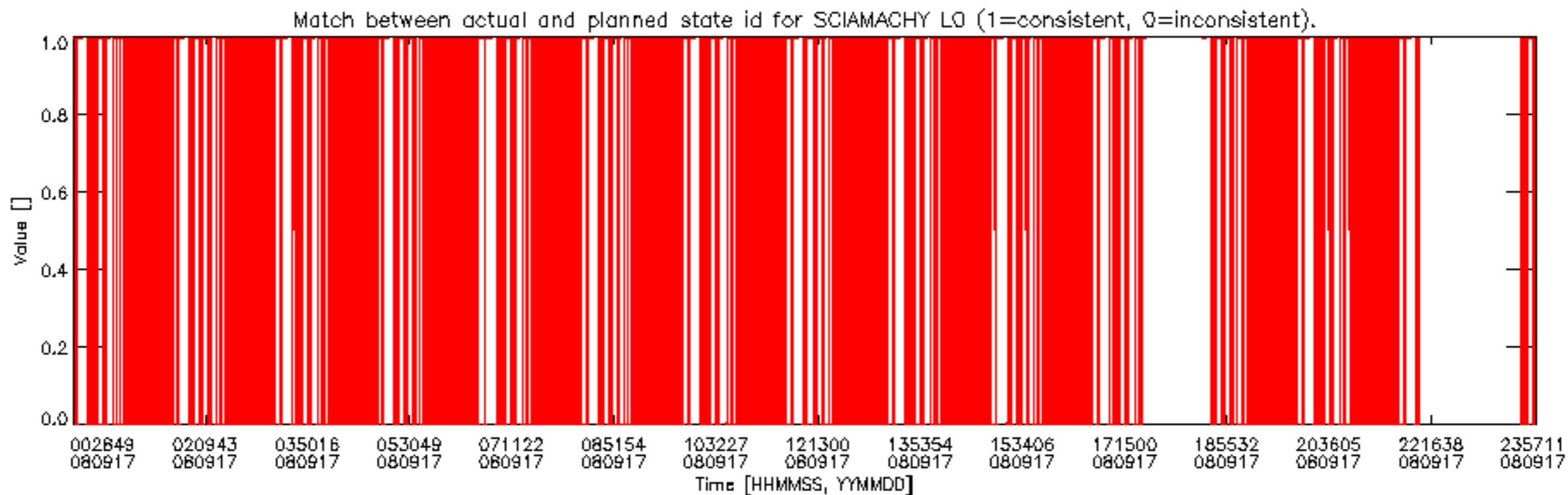
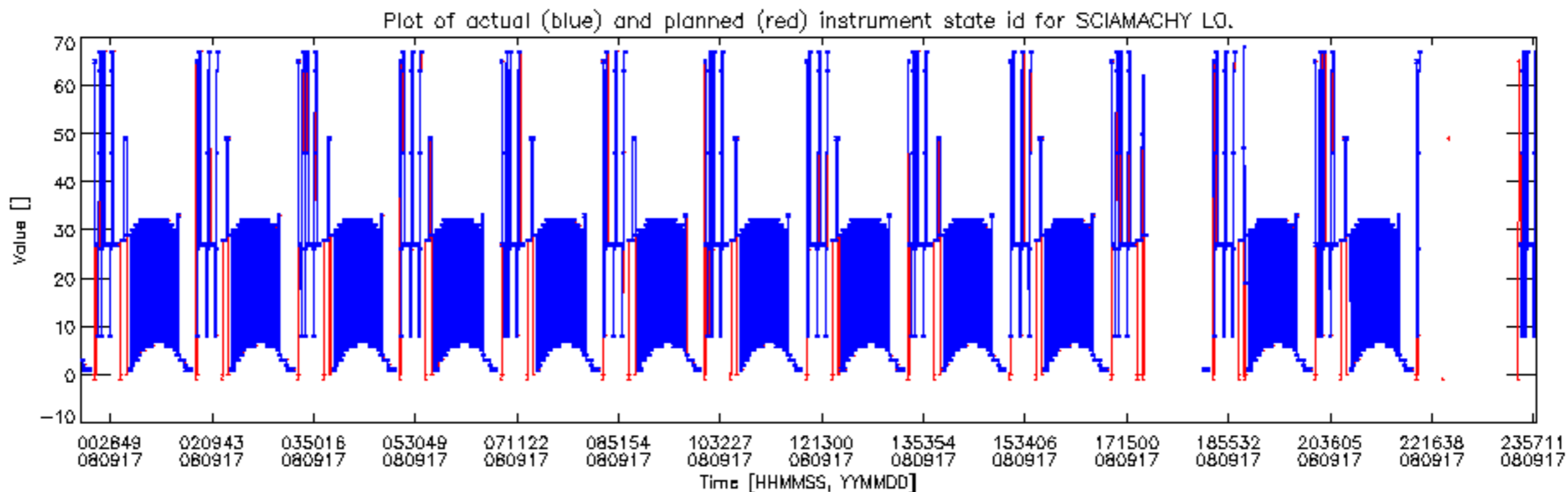












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 17SEP2008.
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