

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	22JUN2008 04:46:10
Data source version	KSPT_L0/4303-N
Processing scope for products	18JUN2008 00:00:00 to 19JUN2008 00:00:00
Start time of first product within scope	17JUN2008 23:36:34
Stop time of last product within scope	19JUN2008 00:46:04
Total number of level 0 products	16
Number of level 0 products with errors	0

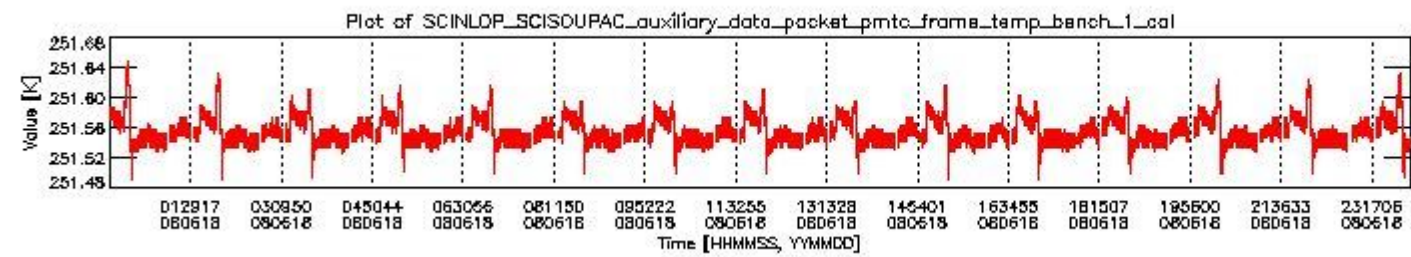
0.1.2 Summary per product

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

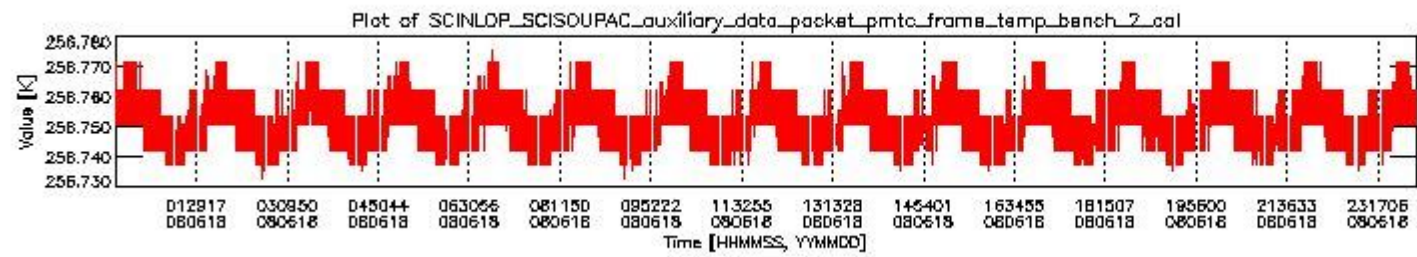
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080617_233634_000060232069_00316_32935_6991.N1	17JUN2008 23:36:34	18JUN2008 01:16:58	0	0	0	0	0
1	SCI_NL__OPNPDE20080618_011534_000046602069_00317_32936_6992.N1	18JUN2008 01:15:34	18JUN2008 02:33:14	0	0	0	0	0
2	SCI_NL__OPNPDE20080618_023206_000059112069_00318_32937_6993.N1	18JUN2008 02:32:06	18JUN2008 04:10:37	0	0	0	0	0
3	SCI_NL__OPNPDE20080618_041037_000060362069_00319_32938_6994.N1	18JUN2008 04:10:37	18JUN2008 05:51:13	0	0	0	0	0
4	SCI_NL__OPNPDE20080618_055113_000061732069_00320_32939_6995.N1	18JUN2008 05:51:13	18JUN2008 07:34:06	0	0	0	0	0
5	SCI_NL__OPNPDK20080618_073406_000039082069_00321_32940_8534.N1	18JUN2008 07:34:06	18JUN2008 08:39:14	0	0	0	0	0
6	SCI_NL__OPNPDK20080618_083805_000062292069_00322_32941_8535.N1	18JUN2008 08:38:05	18JUN2008 10:21:54	0	0	0	0	0
7	SCI_NL__OPNPDK20080618_102058_000058992069_00323_32942_8536.N1	18JUN2008 10:20:58	18JUN2008 11:59:17	0	0	0	0	0
8	SCI_NL__OPNPDK20080618_115917_000059802069_00324_32943_8537.N1	18JUN2008 11:59:17	18JUN2008 13:38:57	0	0	0	0	0
9	SCI_NL__OPNPDK20080618_133857_000059112069_00325_32944_8538.N1	18JUN2008 13:38:57	18JUN2008 15:17:28	0	0	0	0	0
10	SCI_NL__OPNPDK20080618_151728_000058562069_00326_32945_8539.N1	18JUN2008 15:17:28	18JUN2008 16:55:04	0	0	0	0	0
11	SCI_NL__OPNPDK20080618_165355_000059332069_00327_32946_8540.N1	18JUN2008 16:53:55	18JUN2008 18:32:48	0	0	0	0	0
12	SCI_NL__OPNPDK20080618_183044_000061252069_00328_32947_8541.N1	18JUN2008 18:30:44	18JUN2008 20:12:49	0	0	0	0	0
13	SCI_NL__OPNPDE20080618_200955_000043462069_00329_32948_6996.N1	18JUN2008 20:09:55	18JUN2008 21:22:21	0	0	0	0	0
14	SCI_NL__OPNPDE20080618_212054_000063222069_00329_32948_6997.N1	18JUN2008 21:20:54	18JUN2008 23:06:16	0	0	0	0	0
15	SCI_NL__OPNPDE20080618_230529_000060352069_00330_32949_6998.N1	18JUN2008 23:05:29	19JUN2008 00:46:04	0	0	0	0	0

0.2 Product Quality Indicators

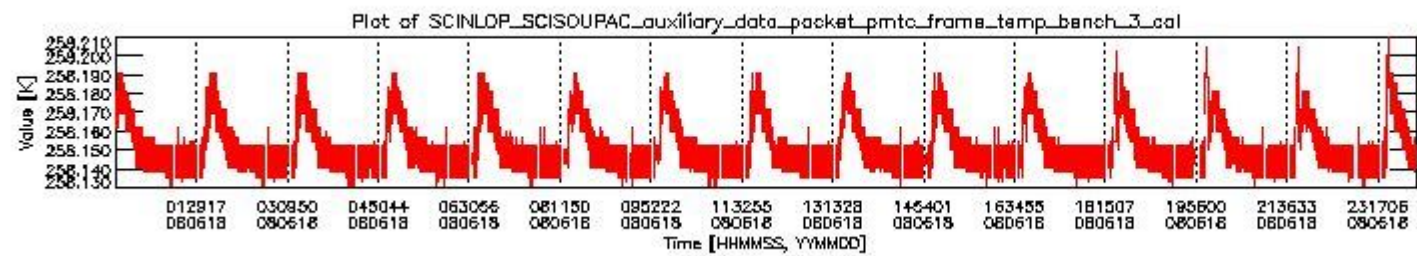
This section shows information about product quality, currently temperatures.



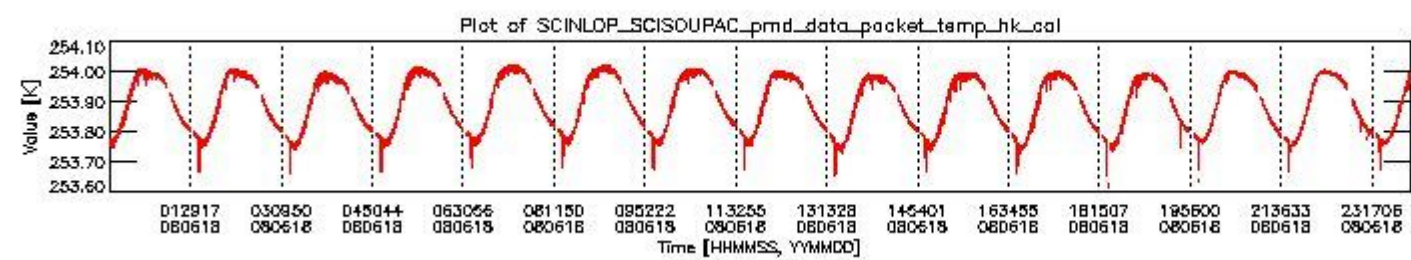
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080618_0.PNG



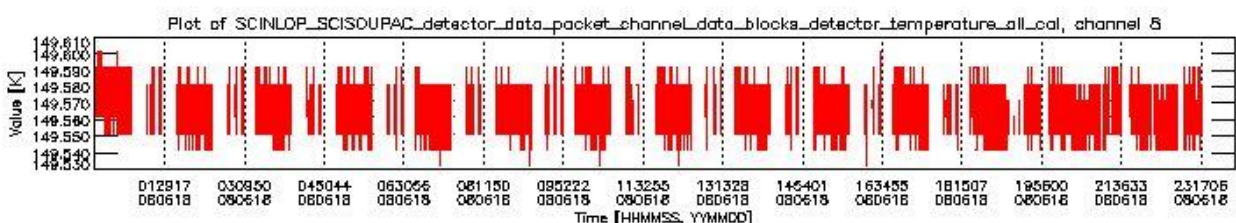
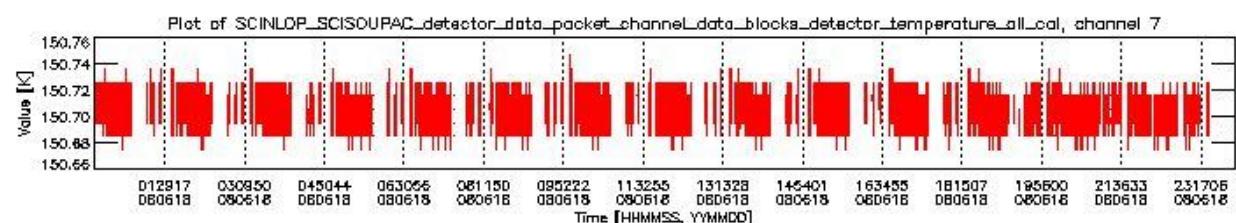
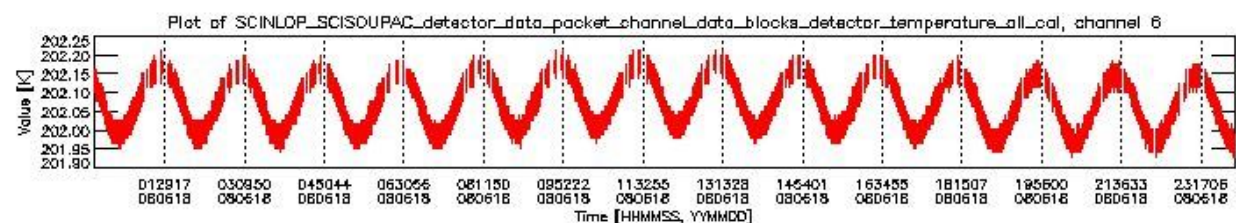
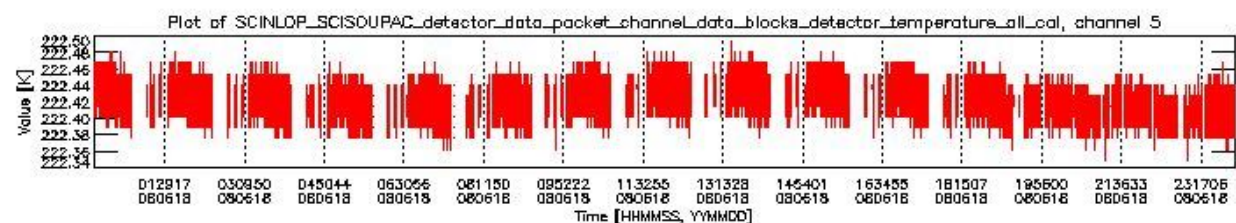
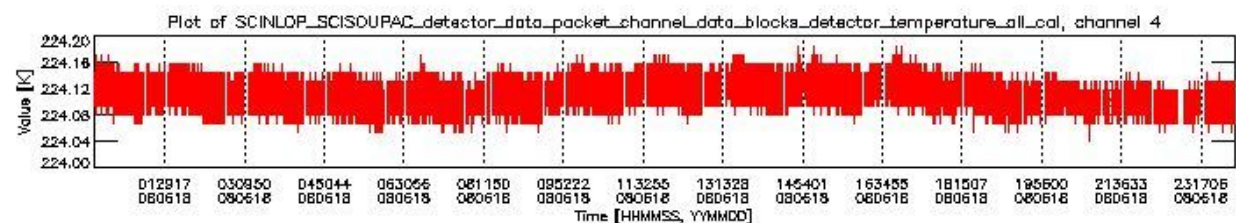
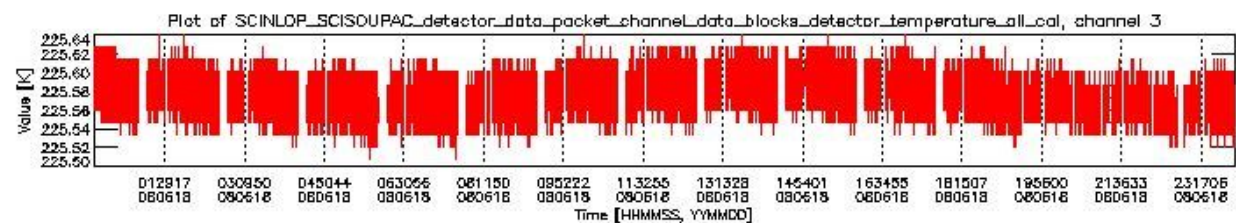
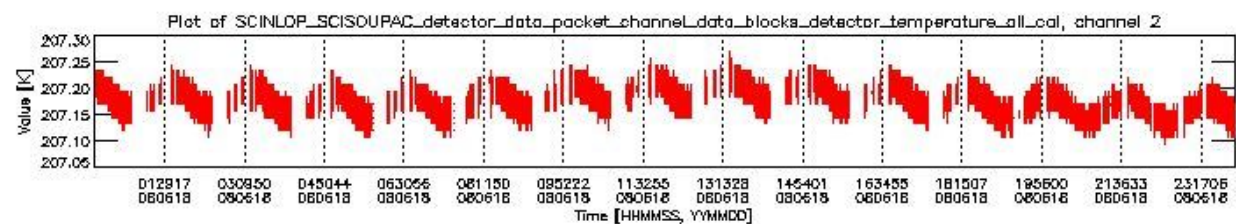
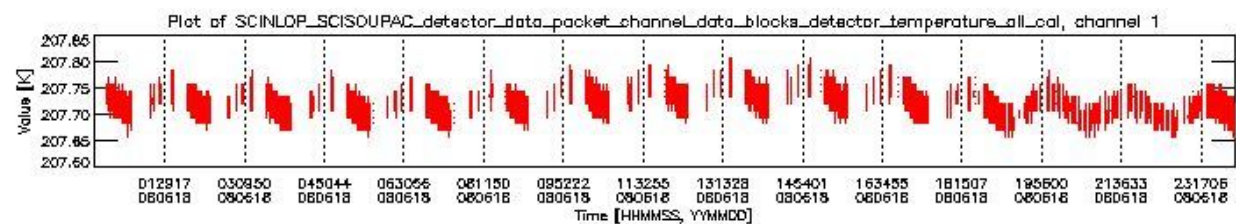
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080618_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080618_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080618_3.PNG

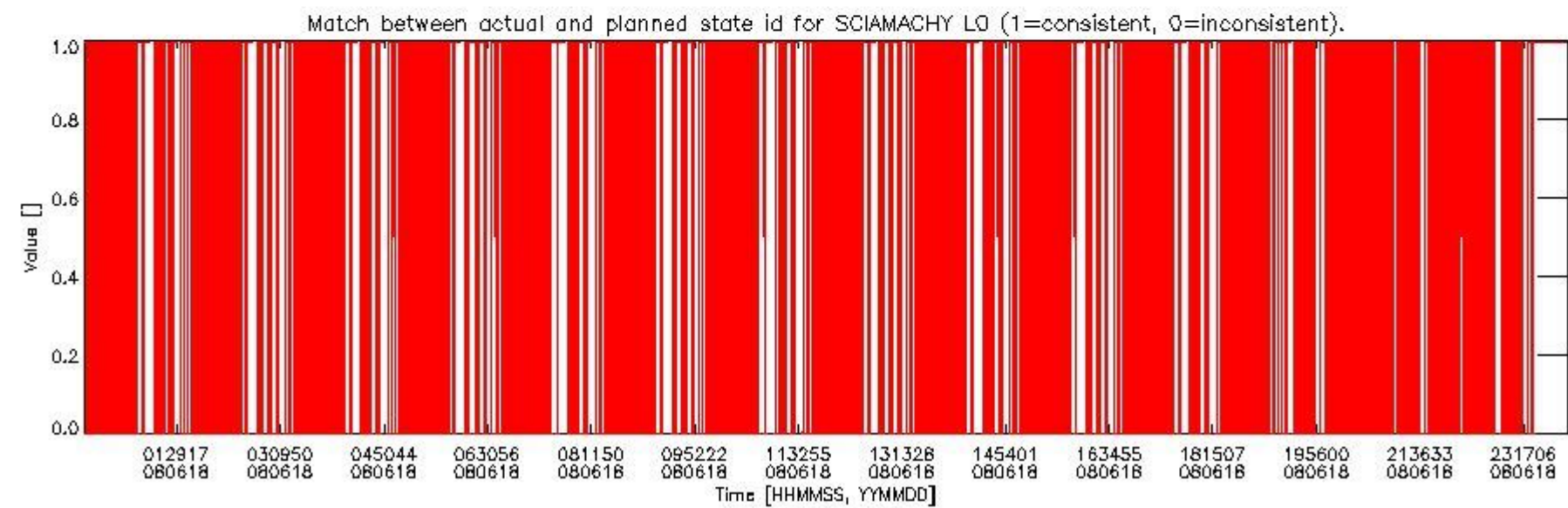
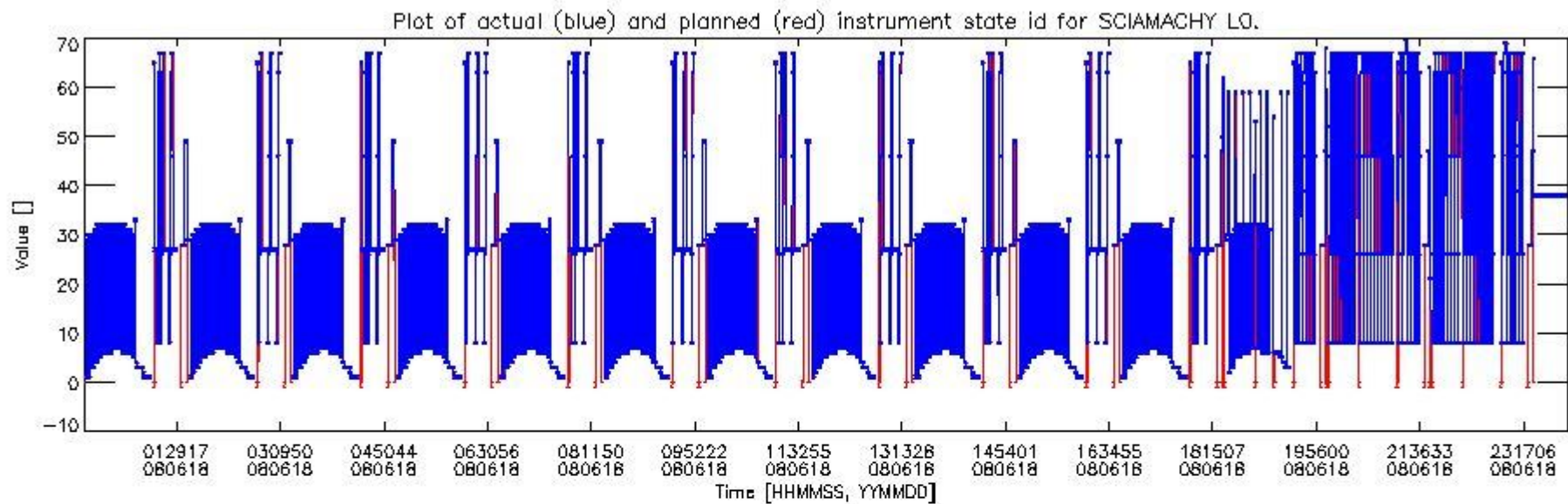


0.3 State monitoring

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: **30641**

#	Actual time	Actual value	Planned time	Planned value
0	18JUN2008 00:01:43.936712	1	18JUN2008 00:01:43.936712	29
1	18JUN2008 00:01:44.186721	1	18JUN2008 00:01:44.186721	29
2	18JUN2008 00:01:44.311725	1	18JUN2008 00:01:44.311725	29
3	18JUN2008 00:01:44.436730	1	18JUN2008 00:01:44.436730	29
4	18JUN2008 00:01:44.561734	1	18JUN2008 00:01:44.561734	29
5	18JUN2008 00:01:44.686739	1	18JUN2008 00:01:44.686739	29
6	18JUN2008 00:01:44.811703	1	18JUN2008 00:01:44.811703	29
7	18JUN2008 00:01:44.936707	1	18JUN2008 00:01:44.936707	29
8	18JUN2008 00:01:45.061711	1	18JUN2008 00:01:45.061711	29
9	18JUN2008 00:01:45.186716	1	18JUN2008 00:01:45.186716	29
10	18JUN2008 00:01:45.311720	1	18JUN2008 00:01:45.311720	29
11	18JUN2008 00:01:45.436724	1	18JUN2008 00:01:45.436724	29
12	18JUN2008 00:01:45.561729	1	18JUN2008 00:01:45.561729	29
13	18JUN2008 00:01:45.686733	1	18JUN2008 00:01:45.686733	29
14	18JUN2008 00:01:45.811737	1	18JUN2008 00:01:45.811737	29
15	18JUN2008 00:01:45.936702	1	18JUN2008 00:01:45.936702	29
16	18JUN2008 00:01:46.061706	1	18JUN2008 00:01:46.061706	29
17	18JUN2008 00:01:46.186710	1	18JUN2008 00:01:46.186710	29
18	18JUN2008 00:01:46.311715	1	18JUN2008 00:01:46.311715	29
19	18JUN2008 00:01:46.436719	1	18JUN2008 00:01:46.436719	29
...

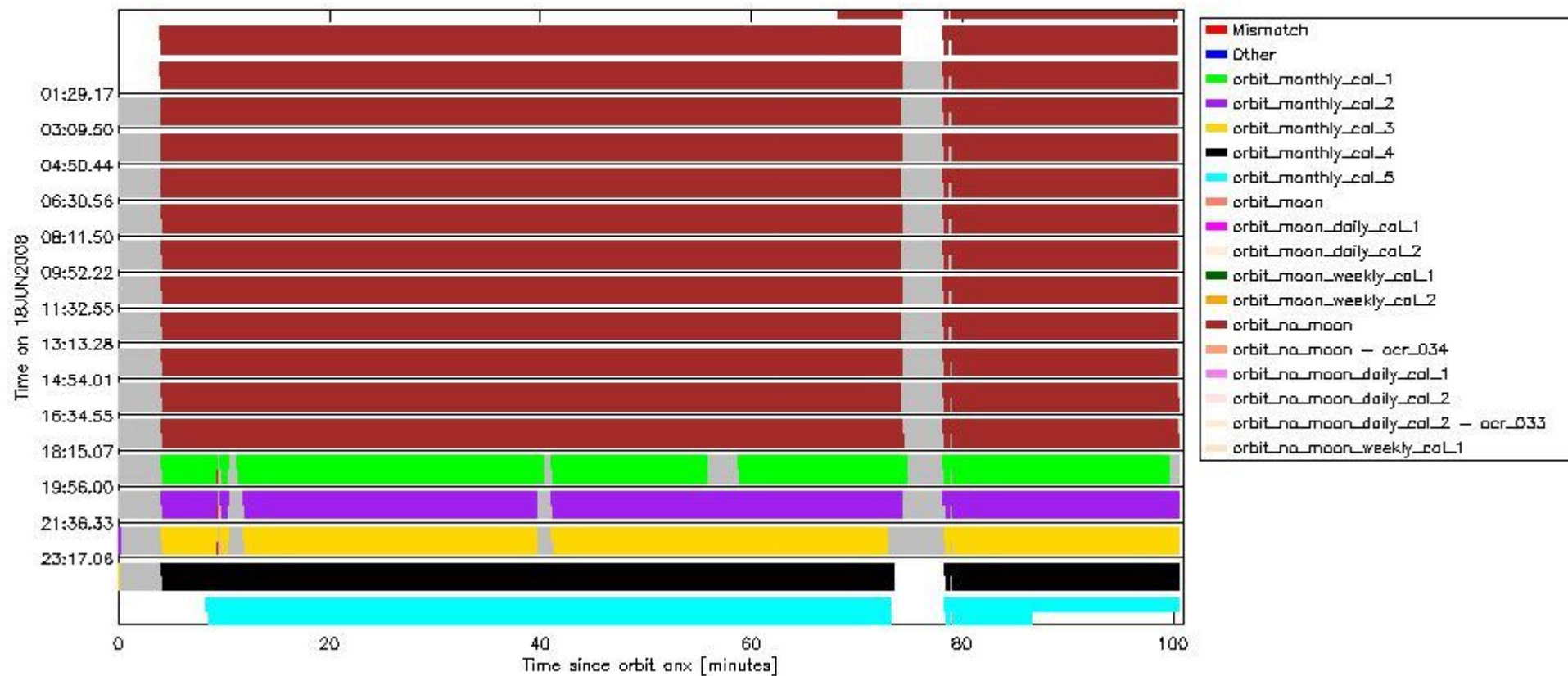


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080618_5.PNG

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 18JUN2008.
 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_20080618_6.PNG

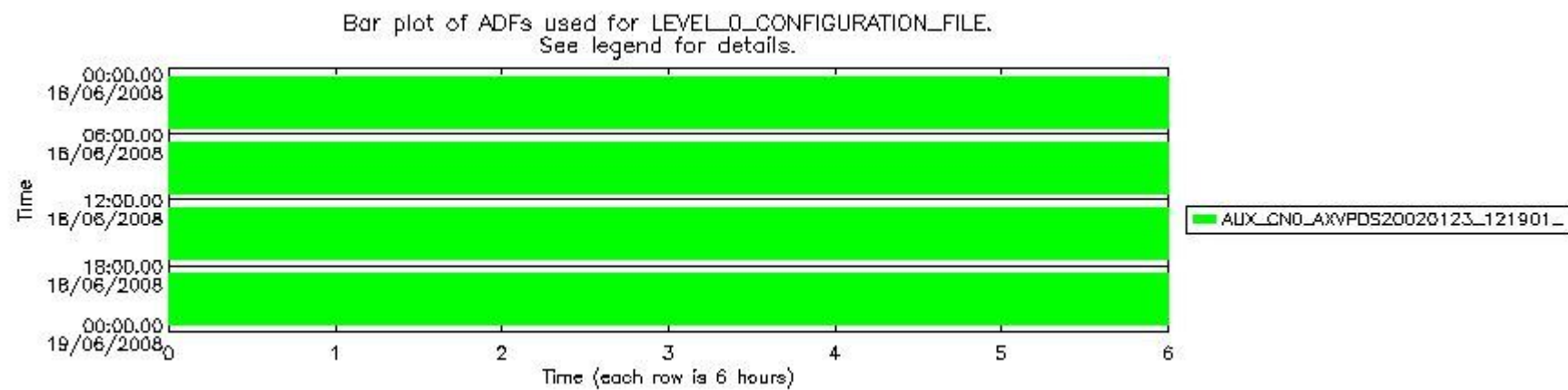
0.4 ADF monitoring

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

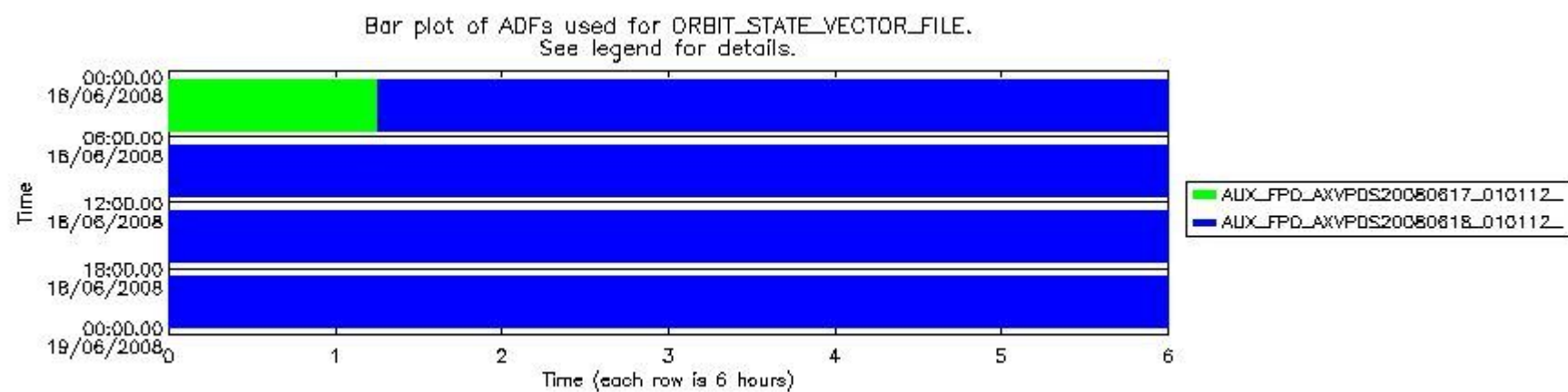
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

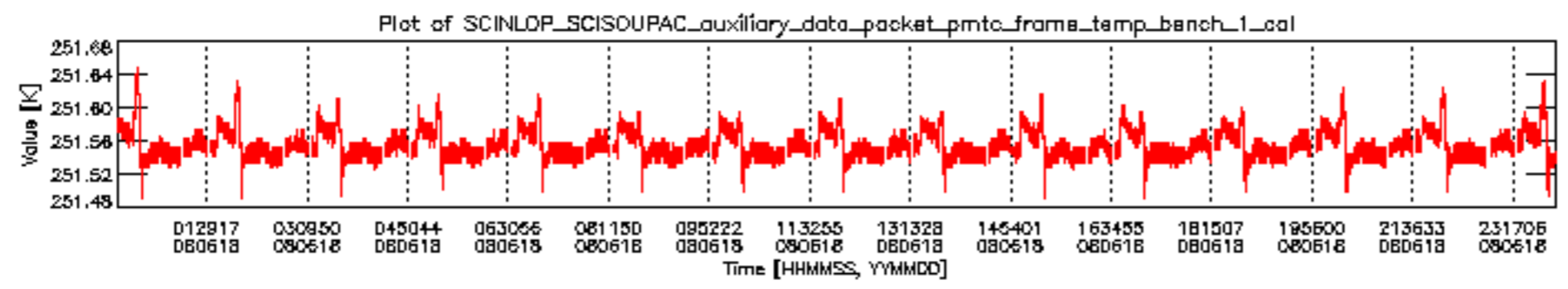
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080617_010112_20080616_191834_20080626_204447
2	AUX_FPO_AXVPDS20080618_010112_20080617_184657_20080627_201310

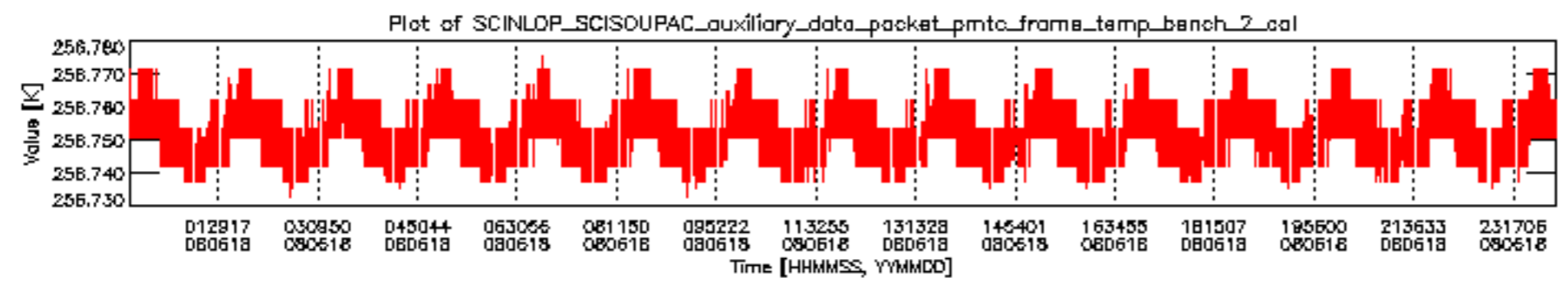


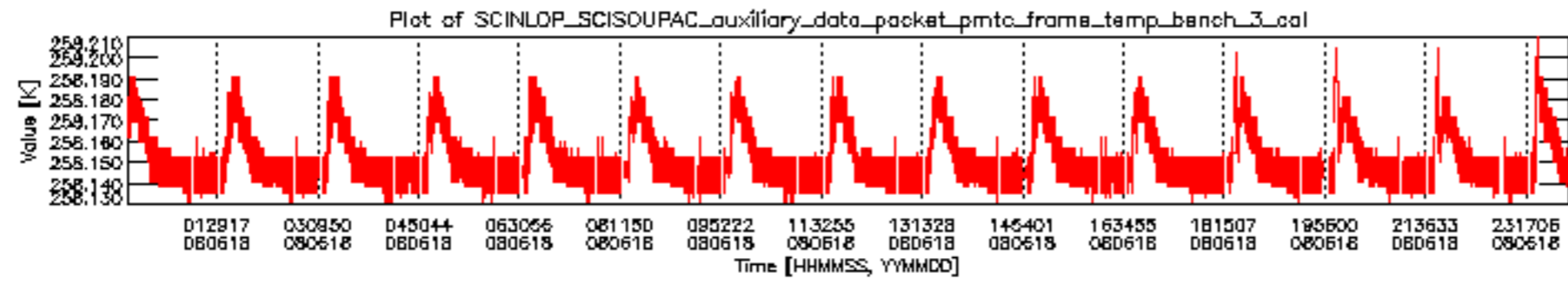
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080618_7.PNG

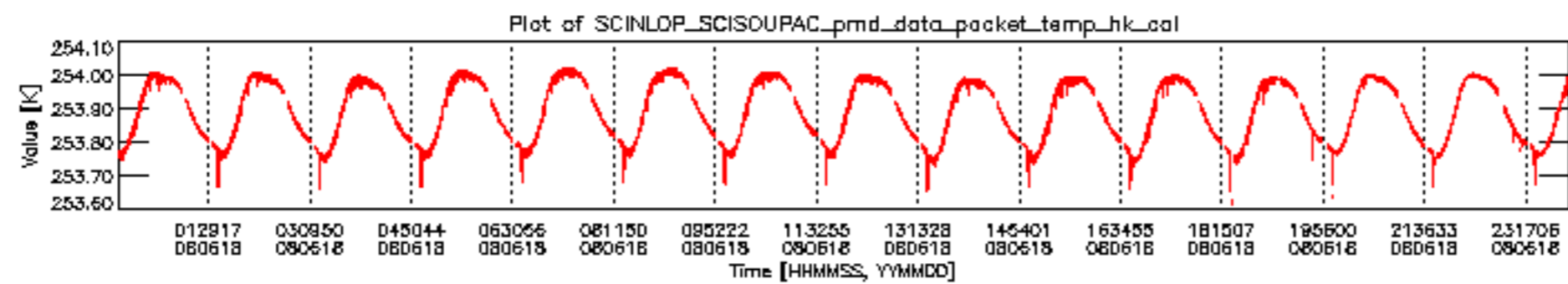


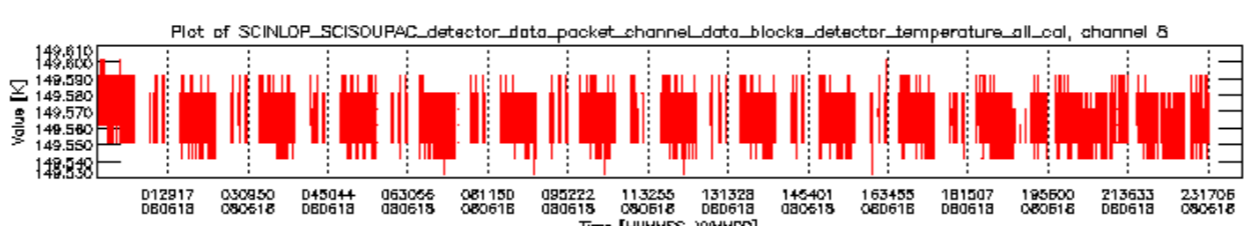
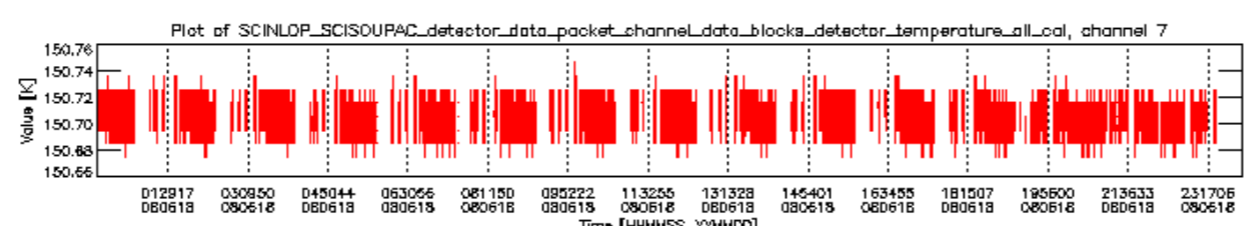
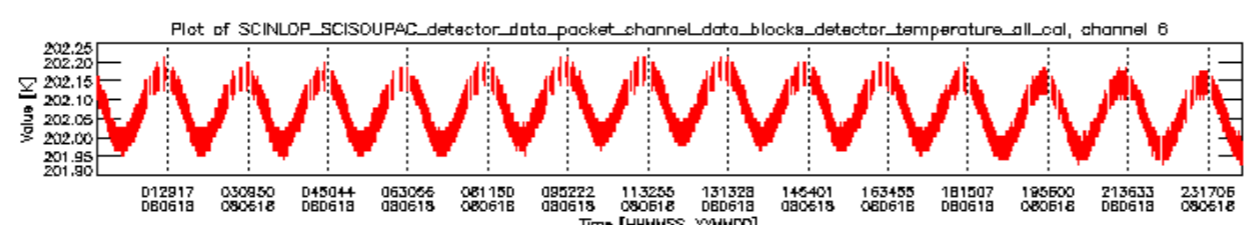
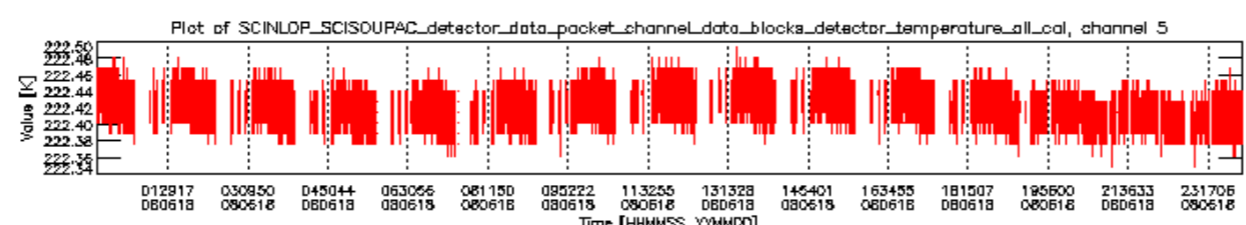
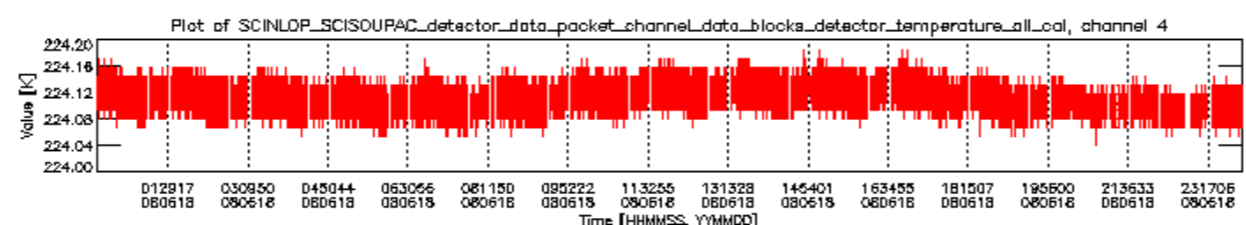
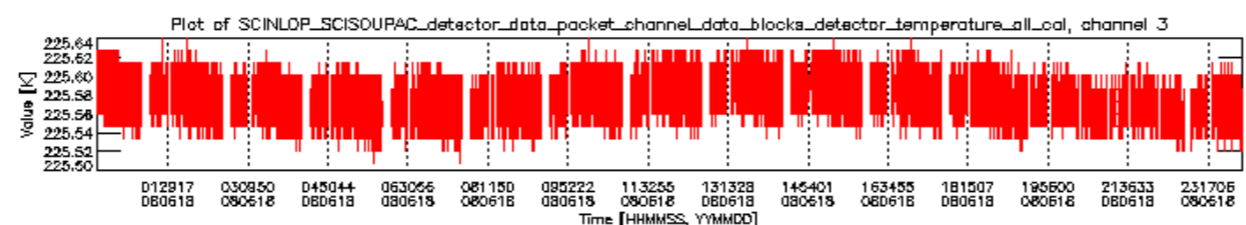
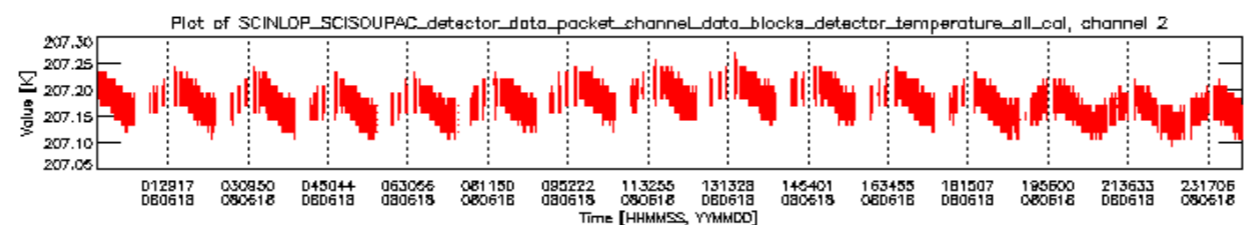
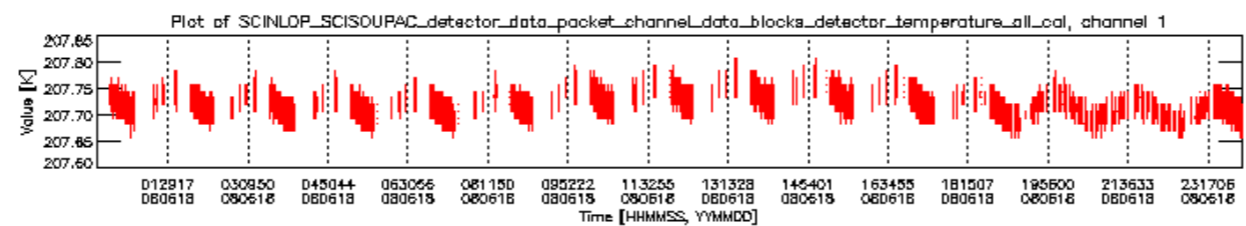
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080618_8.PNG

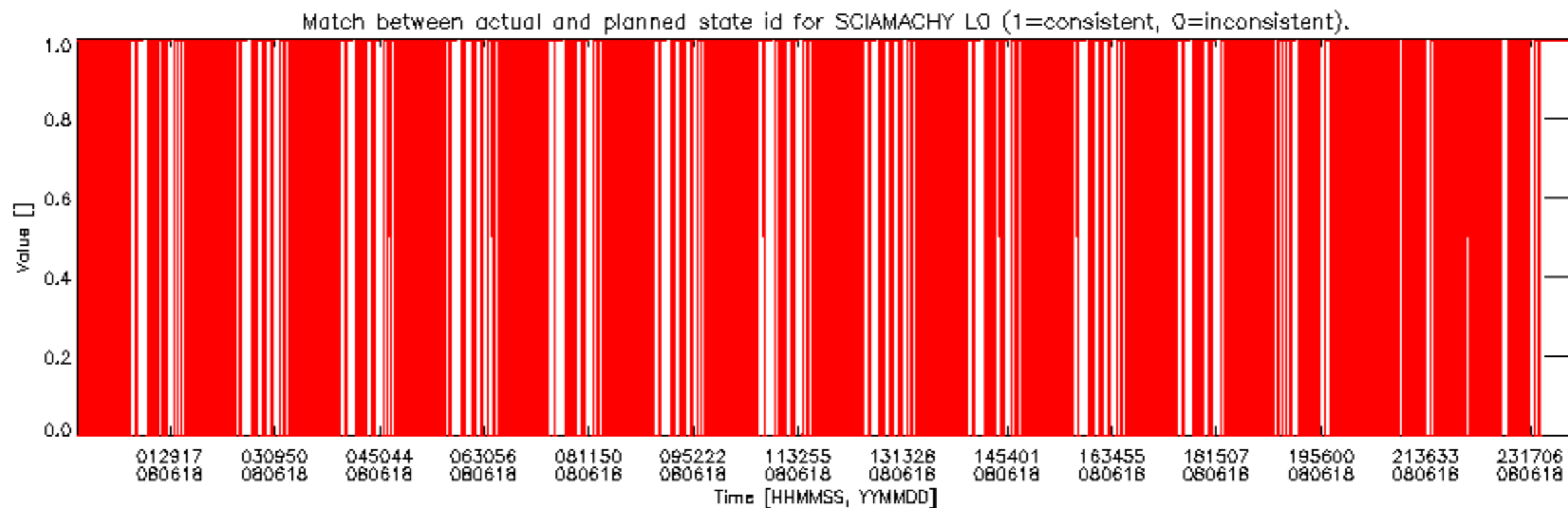
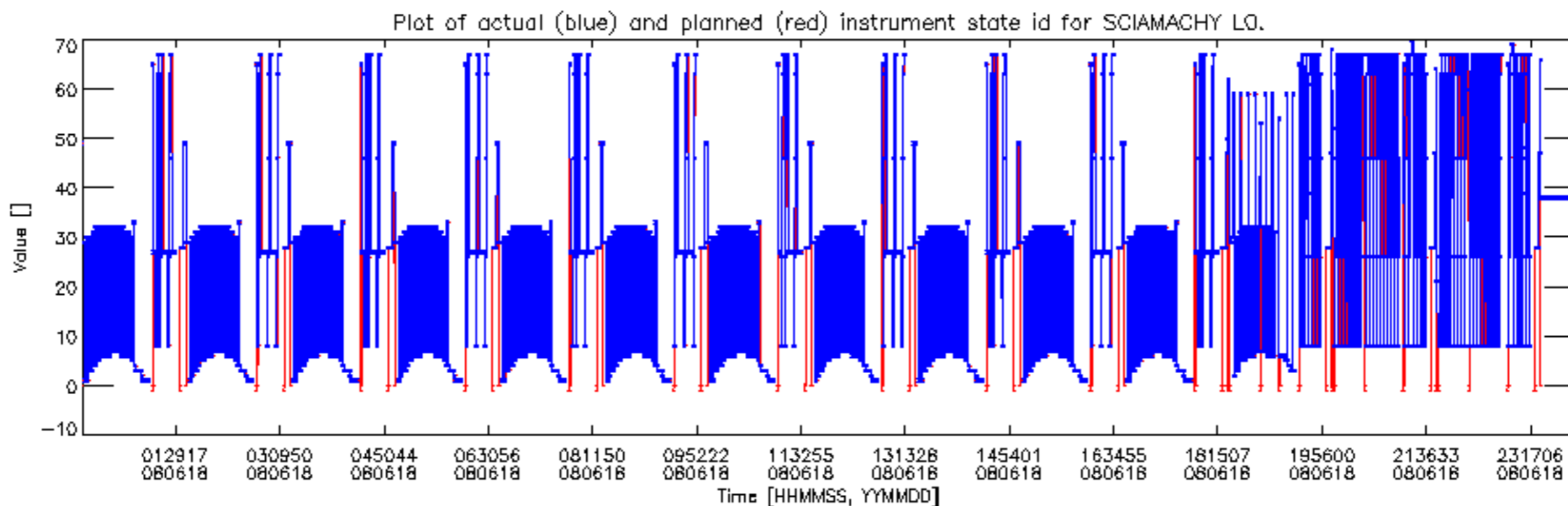












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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