

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	27SEP2008 04:56:18
Data source version	KSPT_L0/4303-N
Processing scope for products	23SEP2008 00:00:00 to 24SEP2008 00:00:00
Start time of first product within scope	22SEP2008 22:48:01
Stop time of last product within scope	24SEP2008 01:35:40
Total number of level 0 products	17
Number of level 0 products with errors	0

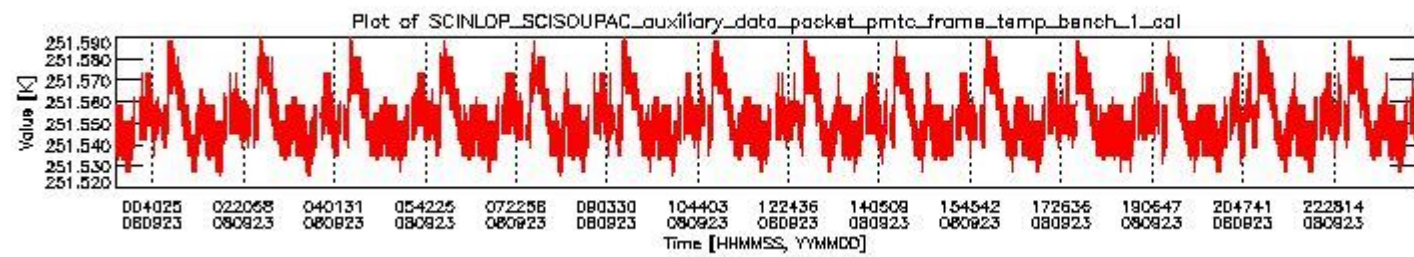
0.1.2 Summary per product

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

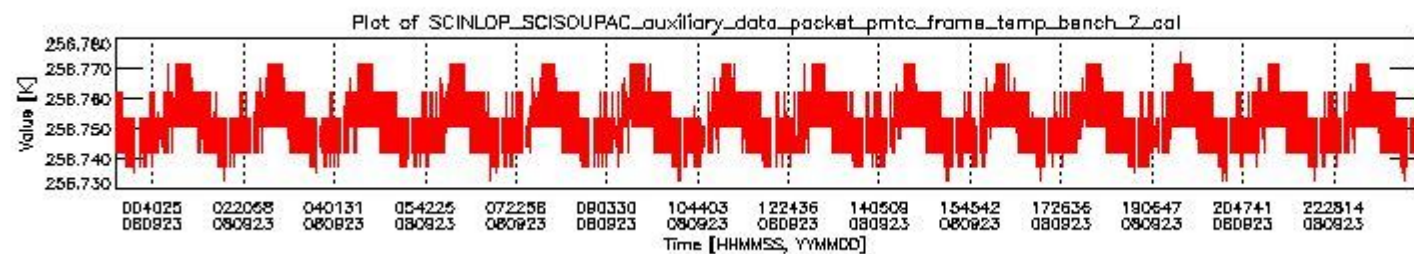
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080922_224801_000061352072_00201_34323_7559.N1	22SEP2008 22:48:01	23SEP2008 00:30:16	0	0	0	0	0
1	SCI_NL__OPNPDE20080923_002929_000058172072_00202_34324_7560.N1	23SEP2008 00:29:29	23SEP2008 02:06:26	0	0	0	0	0
2	SCI_NL__OPNPDE20080923_020626_000044312072_00203_34325_7561.N1	23SEP2008 02:06:26	23SEP2008 03:20:17	0	0	0	0	0
3	SCI_NL__OPNPDE20080923_031921_000062172072_00204_34326_7562.N1	23SEP2008 03:19:21	23SEP2008 05:02:58	0	0	0	0	0
4	SCI_NL__OPNPDE20080923_050258_000059812072_00205_34327_7563.N1	23SEP2008 05:02:58	23SEP2008 06:42:38	0	0	0	0	0
5	SCI_NL__OPNPDK20080923_064130_000041702072_00206_34328_9476.N1	23SEP2008 06:41:30	23SEP2008 07:51:00	0	0	0	0	0
6	SCI_NL__OPNPDK20080923_075100_000061052072_00207_34329_9477.N1	23SEP2008 07:51:00	23SEP2008 09:32:45	0	0	0	0	0
7	SCI_NL__OPNPDK20080923_093136_000060362072_00208_34330_9478.N1	23SEP2008 09:31:36	23SEP2008 11:12:13	0	0	0	0	0
8	SCI_NL__OPNPDK20080923_111213_000059122072_00209_34331_9479.N1	23SEP2008 11:12:13	23SEP2008 12:50:45	0	0	0	0	0
9	SCI_NL__OPNPDK20080923_124949_000059682072_00210_34332_9480.N1	23SEP2008 12:49:49	23SEP2008 14:29:17	0	0	0	0	0
10	SCI_NL__OPNPDK20080923_142808_000058562072_00211_34333_9481.N1	23SEP2008 14:28:08	23SEP2008 16:05:44	0	0	0	0	0
11	SCI_NL__OPNPDK20080923_160353_000059602072_00212_34334_9482.N1	23SEP2008 16:03:53	23SEP2008 17:43:13	0	0	0	0	0
12	SCI_NL__OPNPDK20080923_174115_000061942072_00213_34335_9483.N1	23SEP2008 17:41:15	23SEP2008 19:24:30	0	0	0	0	0
13	SCI_NL__OPNPDK20080923_192349_000061132072_00214_34336_9484.N1	23SEP2008 19:23:49	23SEP2008 21:05:42	0	0	0	0	0
14	SCI_NL__OPNPDE20080923_210228_000043192072_00215_34337_7564.N1	23SEP2008 21:02:28	23SEP2008 22:14:27	0	0	0	0	0
15	SCI_NL__OPNPDE20080923_221343_000062122072_00215_34337_7565.N1	23SEP2008 22:13:43	23SEP2008 23:57:16	0	0	0	0	0
16	SCI_NL__OPNPDE20080923_235503_000060362072_00216_34338_7566.N1	23SEP2008 23:55:03	24SEP2008 01:35:40	0	0	0	0	0

0.2 Product Quality Indicators

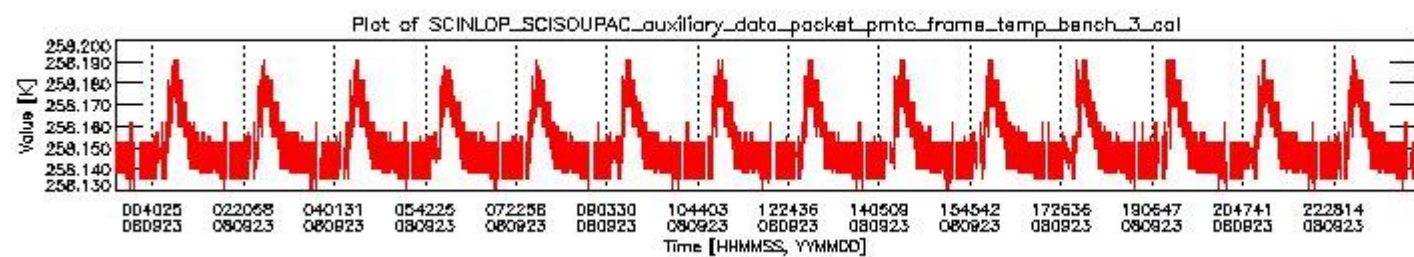
This section shows information about product quality, currently temperatures.



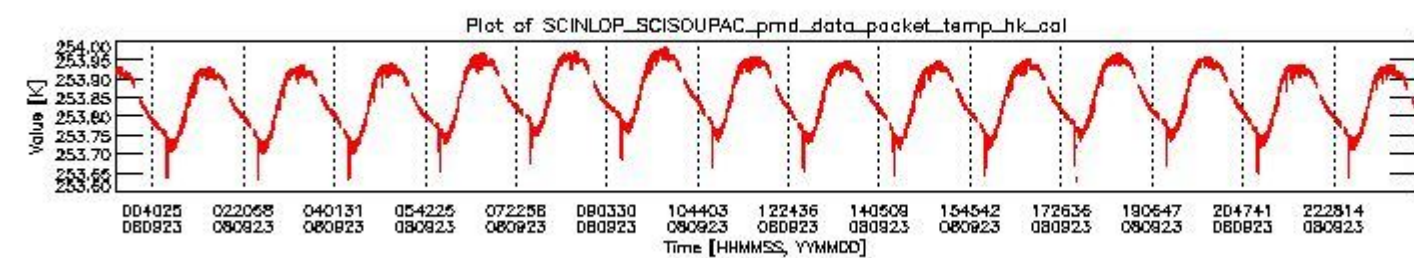
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080923_0.PNG



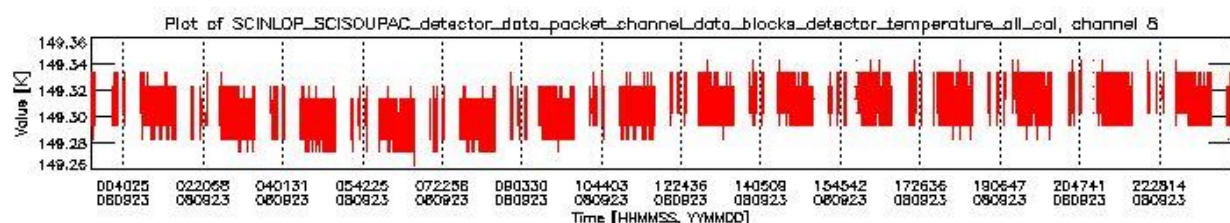
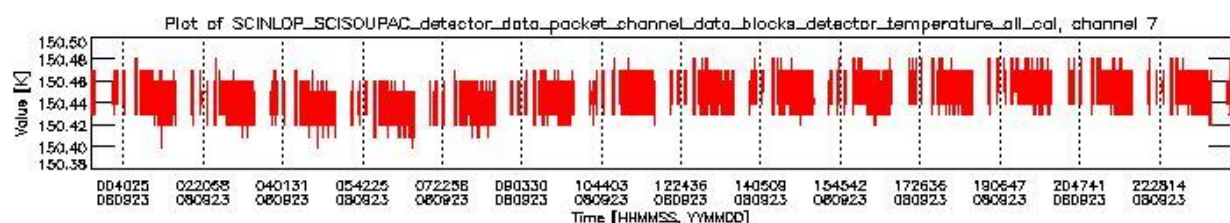
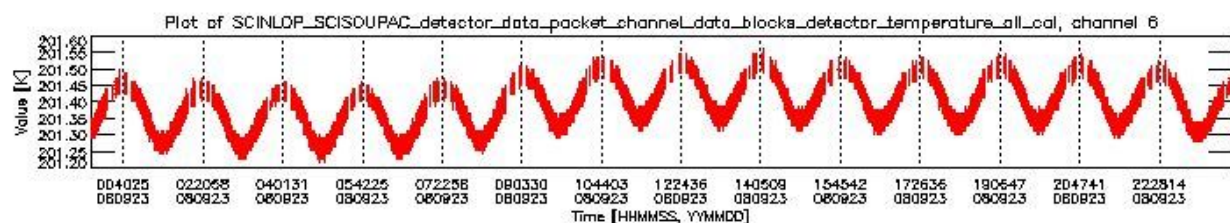
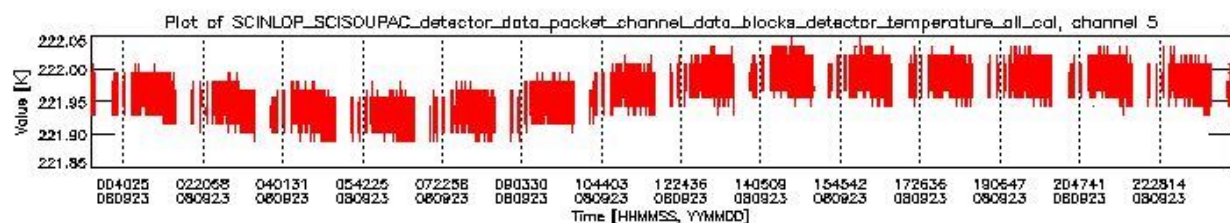
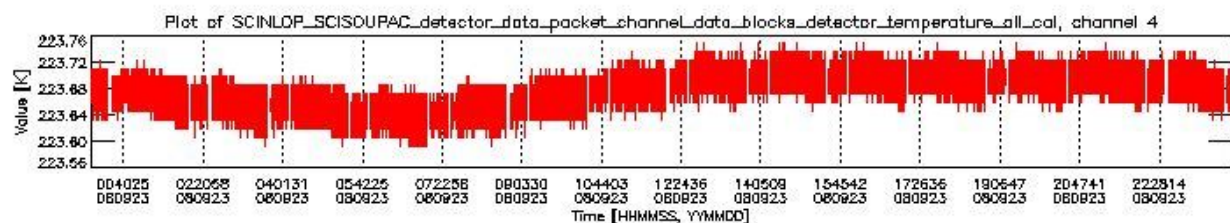
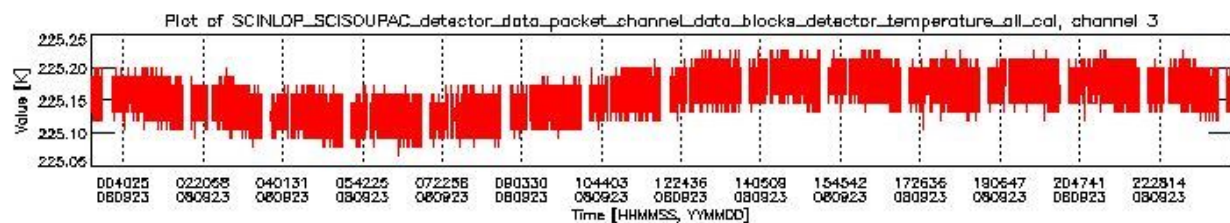
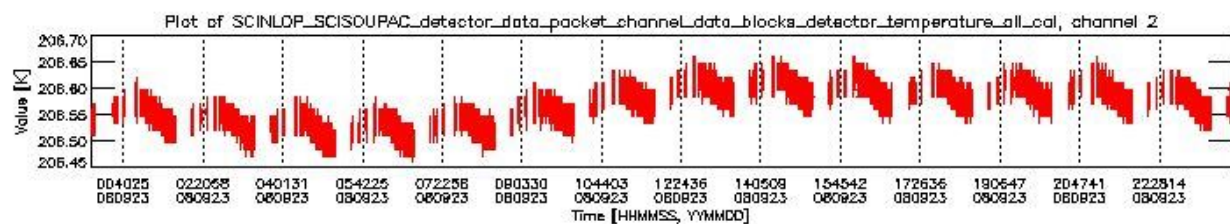
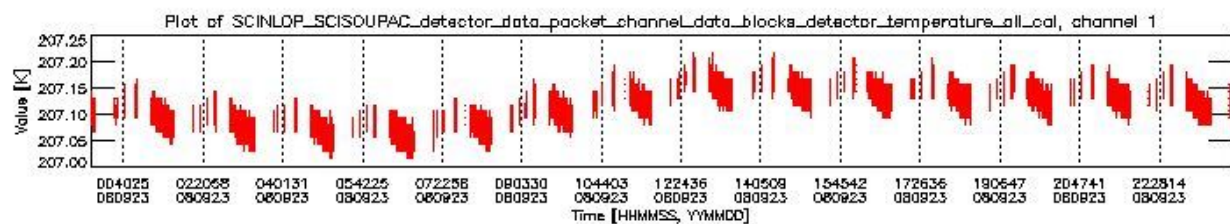
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080923_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080923_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080923_3.PNG

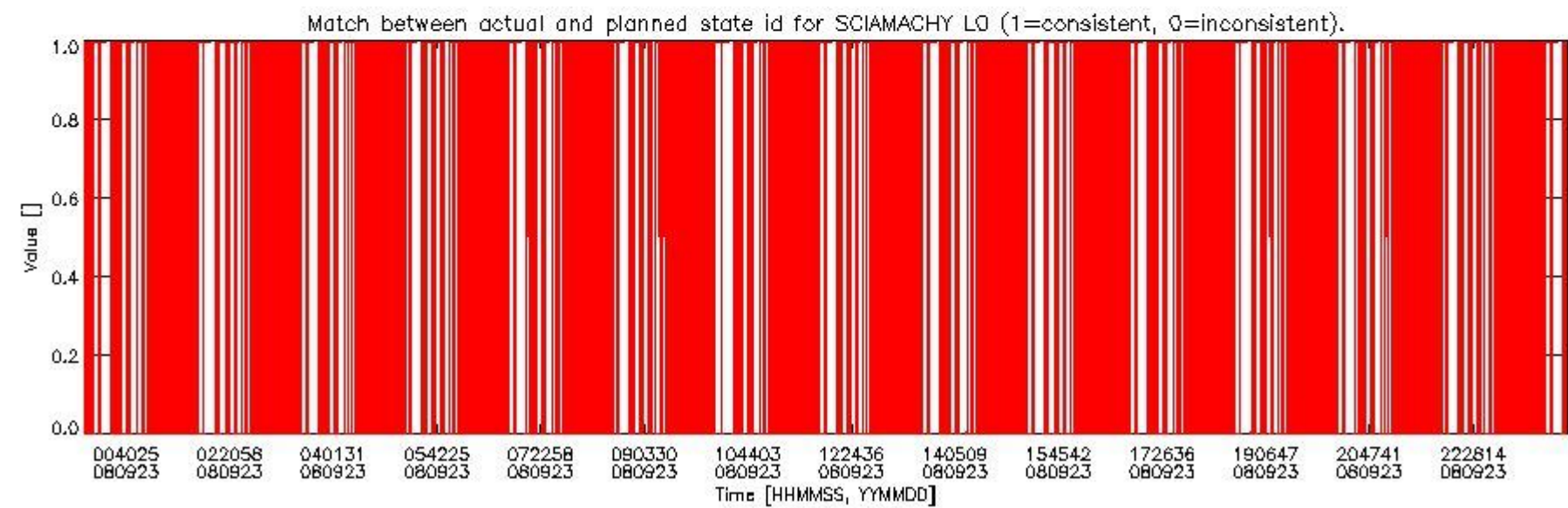
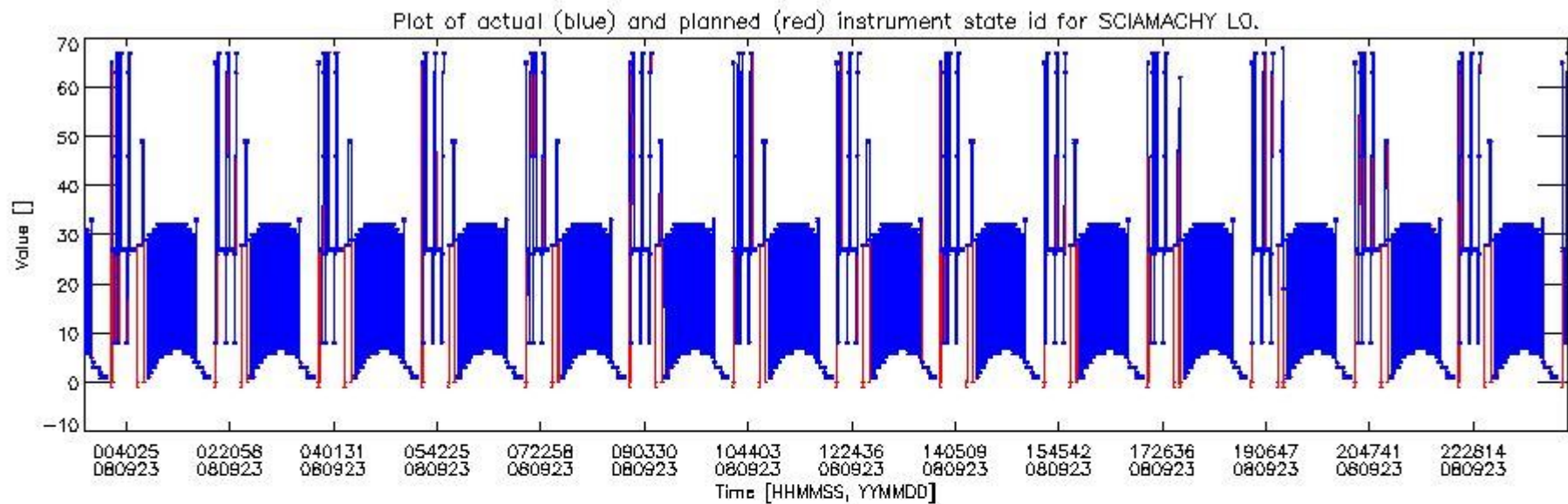


0.3 State monitoring

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: **48287**

#	Actual time	Actual value	Planned time	Planned value
0	23SEP2008 00:00:13.022339	31	23SEP2008 00:00:13.022339	6
1	23SEP2008 00:00:13.647321	31	23SEP2008 00:00:13.647321	6
2	23SEP2008 00:00:14.022334	31	23SEP2008 00:00:14.022334	6
3	23SEP2008 00:00:14.397347	31	23SEP2008 00:00:14.397347	6
4	23SEP2008 00:00:14.959846	31	23SEP2008 00:00:14.959846	6
5	23SEP2008 00:00:15.334819	31	23SEP2008 00:00:15.334819	6
6	23SEP2008 00:00:15.709832	31	23SEP2008 00:00:15.709832	6
7	23SEP2008 00:00:16.084845	31	23SEP2008 00:00:16.084845	6
8	23SEP2008 00:00:16.647345	31	23SEP2008 00:00:16.647345	6
9	23SEP2008 00:00:17.022318	31	23SEP2008 00:00:17.022318	6
10	23SEP2008 00:00:17.397331	31	23SEP2008 00:00:17.397331	6
11	23SEP2008 00:00:17.772344	31	23SEP2008 00:00:17.772344	6
12	23SEP2008 00:00:18.022352	31	23SEP2008 00:00:18.022352	6
13	23SEP2008 00:00:18.334843	31	23SEP2008 00:00:18.334843	6
14	23SEP2008 00:00:18.709816	31	23SEP2008 00:00:18.709816	6
15	23SEP2008 00:00:19.084829	31	23SEP2008 00:00:19.084829	6
16	23SEP2008 00:00:19.459842	31	23SEP2008 00:00:19.459842	6
17	23SEP2008 00:00:20.022342	31	23SEP2008 00:00:20.022342	6
18	23SEP2008 00:00:20.397314	31	23SEP2008 00:00:20.397314	6
19	23SEP2008 00:00:20.772327	31	23SEP2008 00:00:20.772327	6

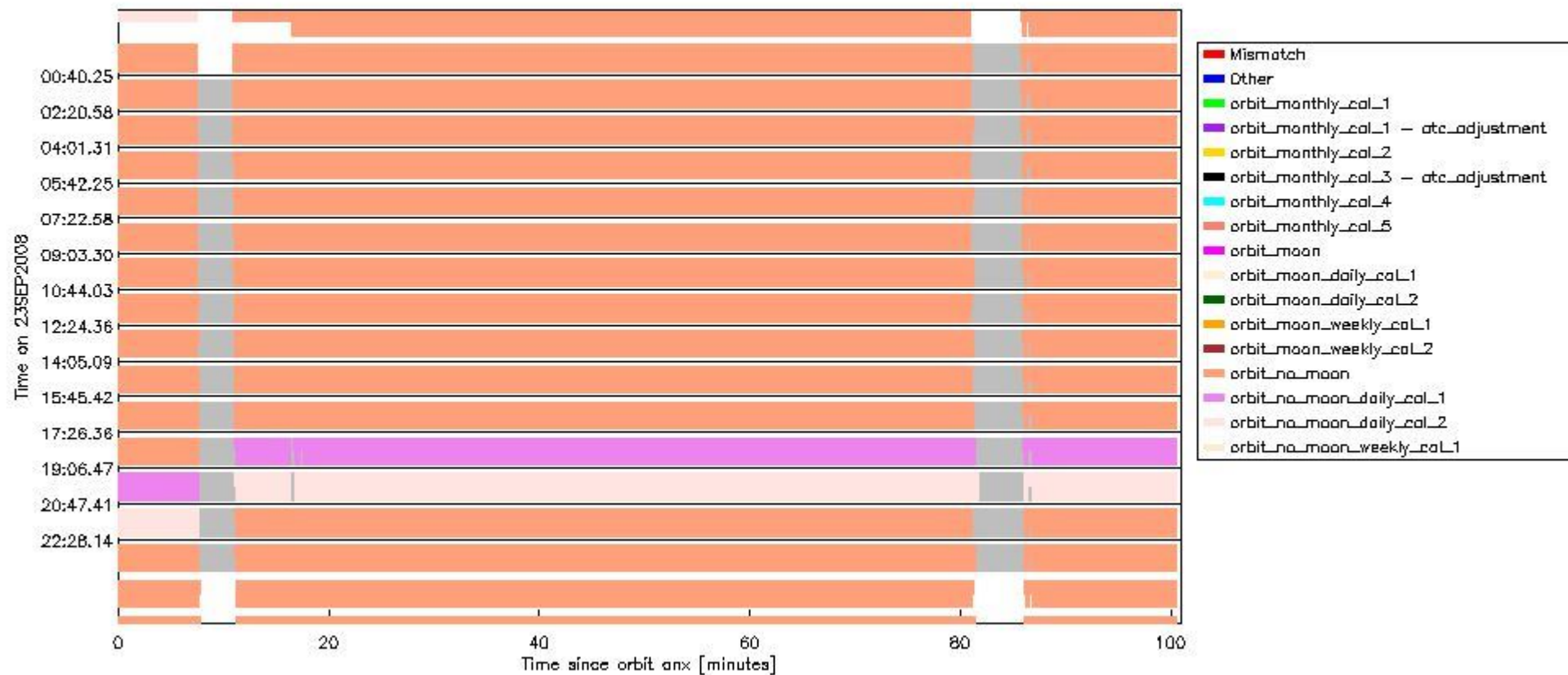


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080923_5.PNG

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 23SEP2008.
 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_20080923_6.PNG

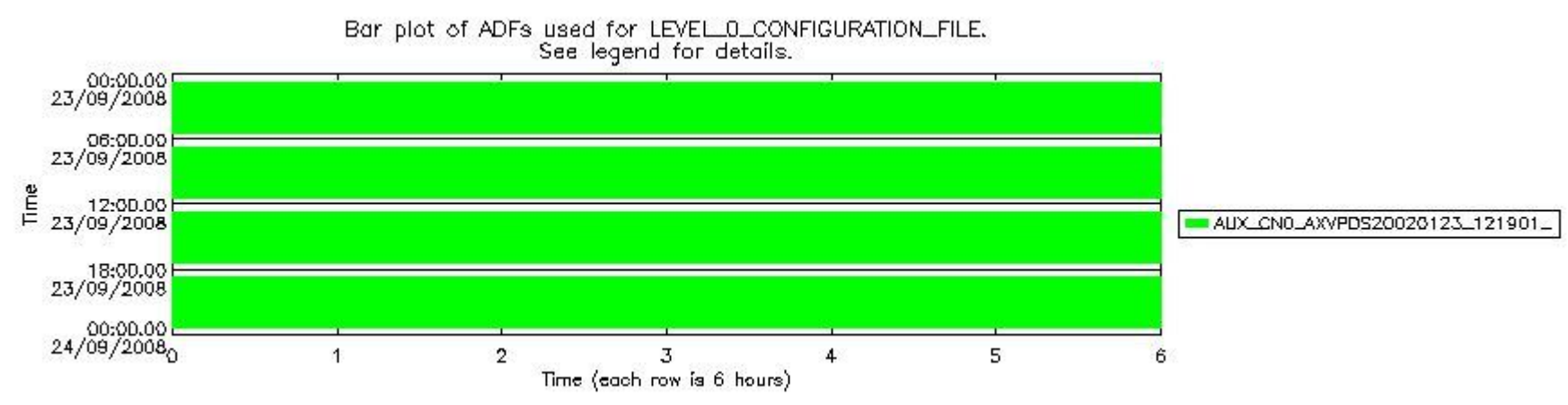
0.4 ADF monitoring

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

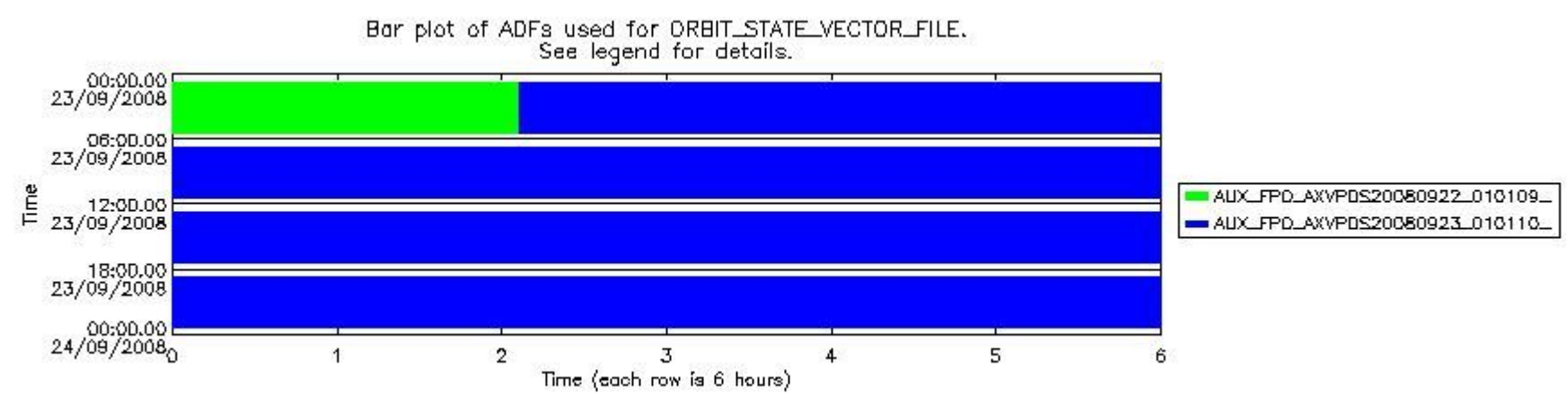
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

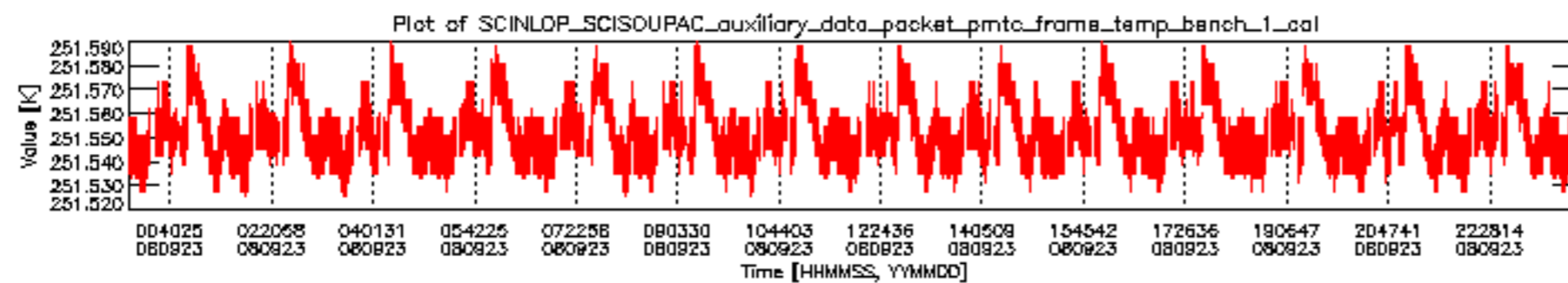
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080922_010109_20080921_182940_20081001_213630
2	AUX_FPO_AXVPDS20080923_010110_20080922_193839_20081002_210453

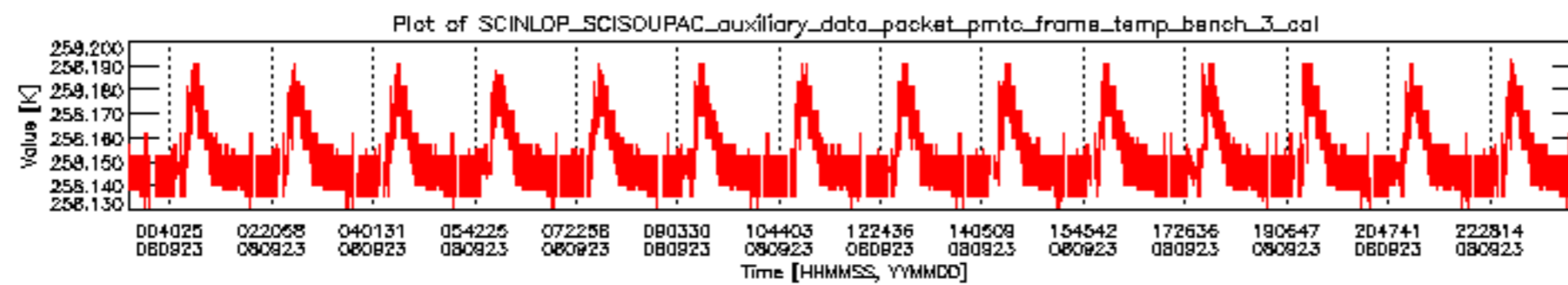


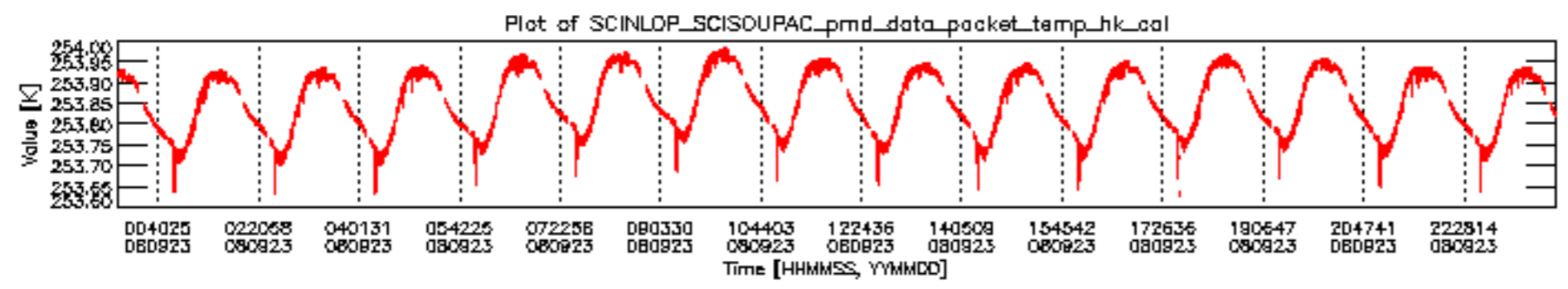
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080923_7.PNG

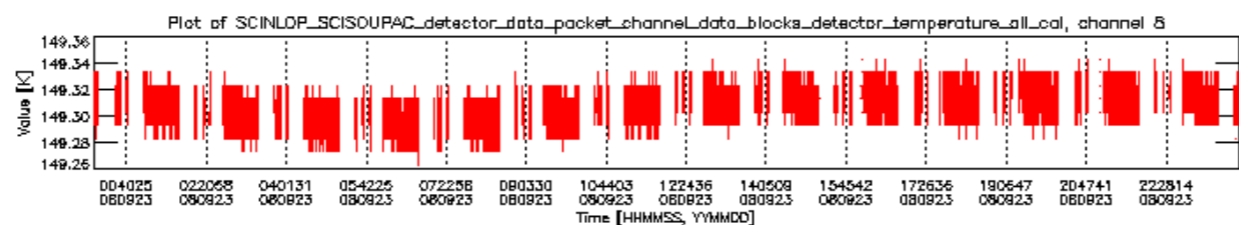
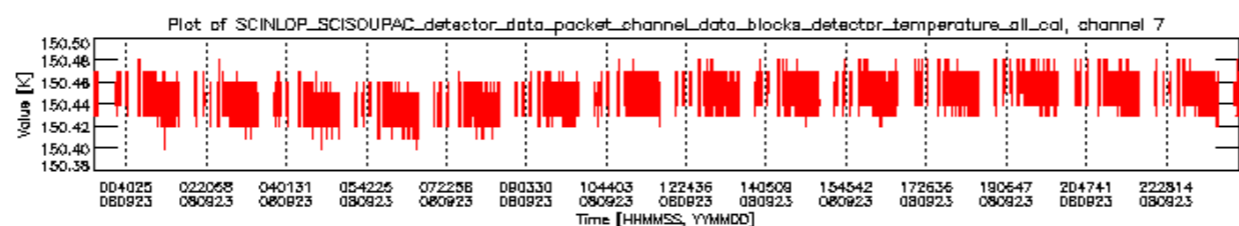
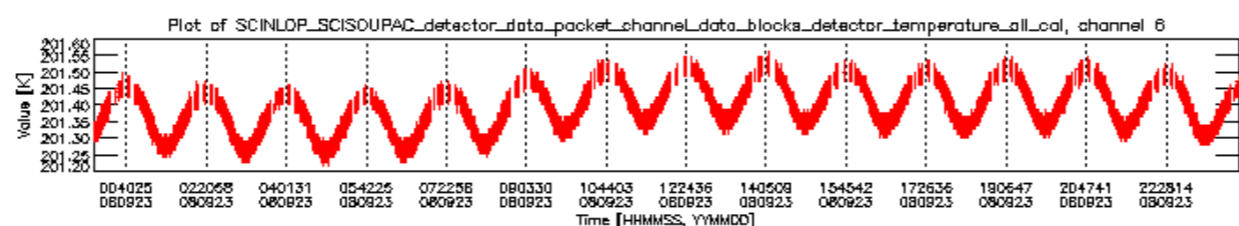
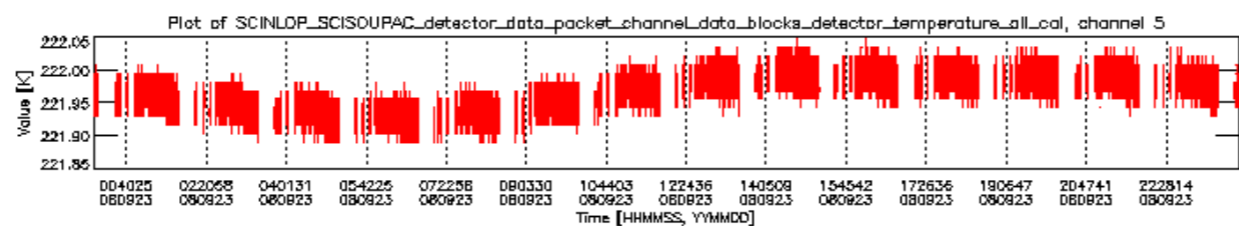
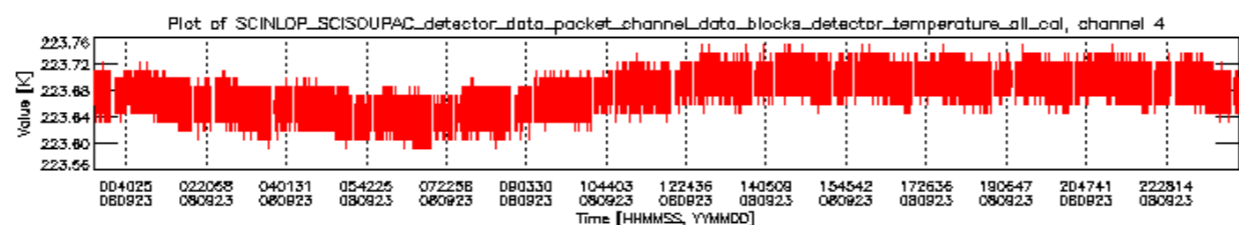
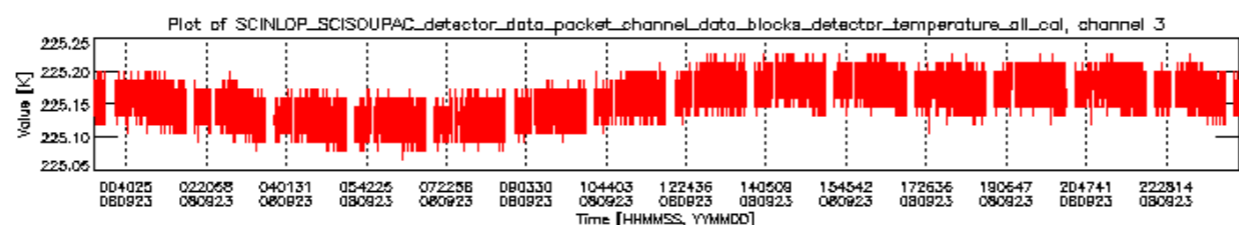
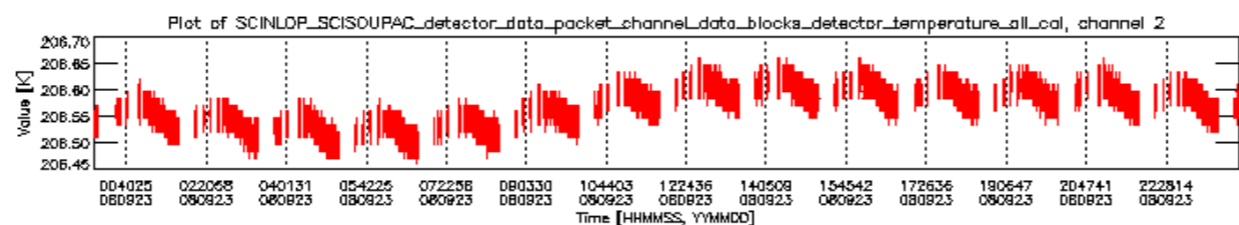
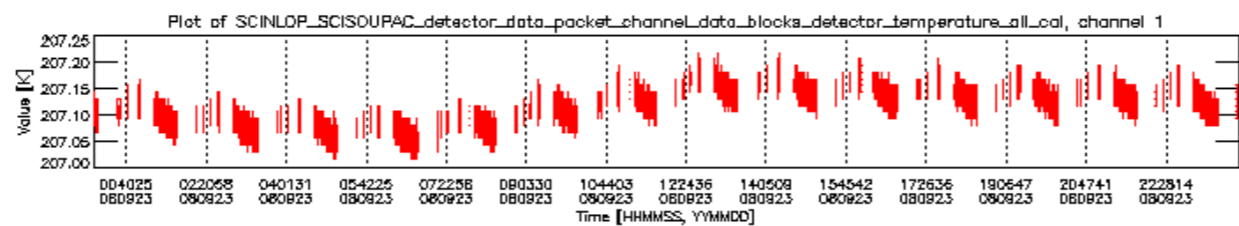


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080923_8.PNG

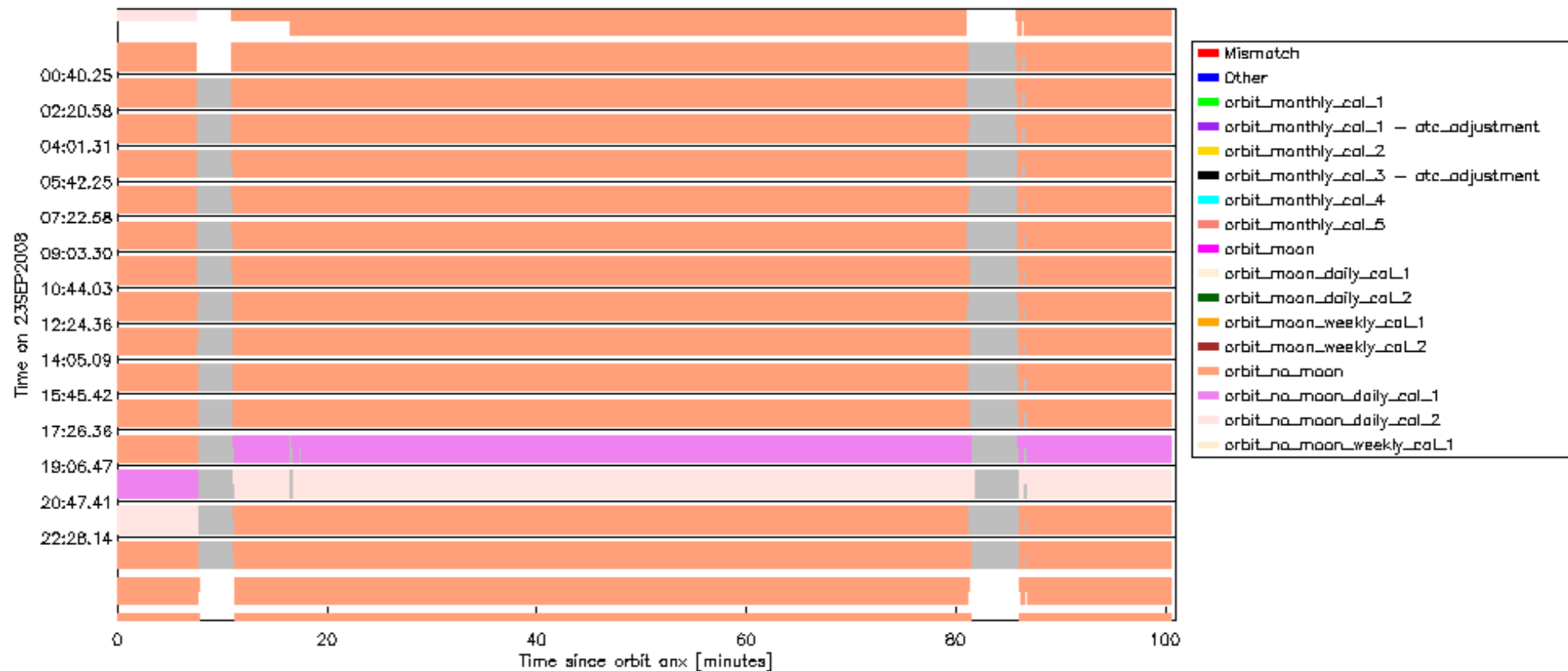


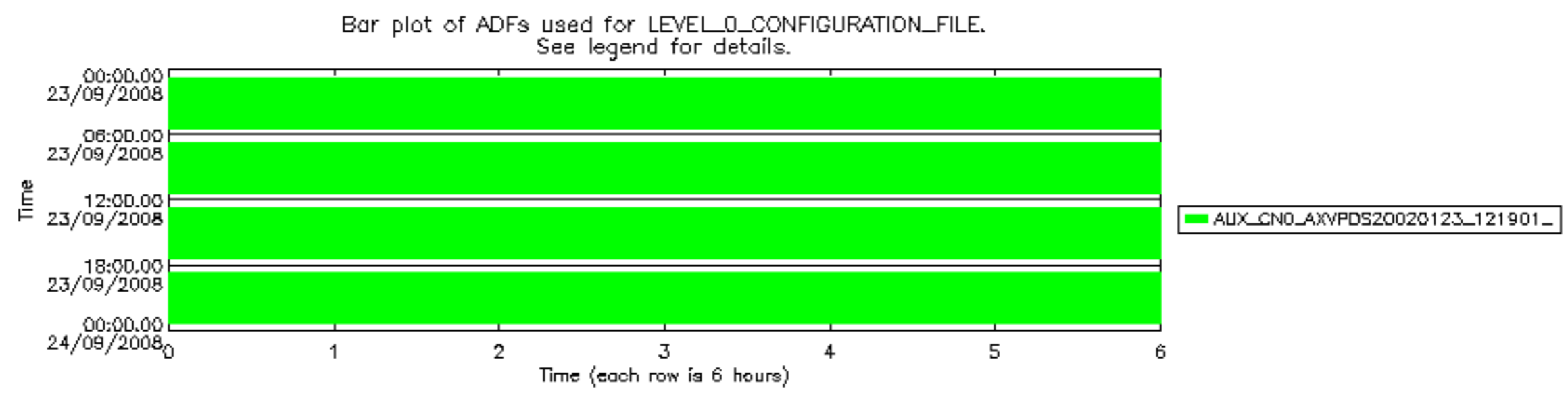






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

