

0. SCIAMACHY Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Product Quality Indicators](#)

[0.3 State monitoring](#)

[0.4 ADF monitoring](#)

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	22SEP2008 05:46:50
Data source version	KSPT_L0/4303-N
Processing scope for products	18SEP2008 00:00:00 to 19SEP2008 00:00:00
Start time of first product within scope	17SEP2008 23:44:16
Stop time of last product within scope	19SEP2008 00:53:59
Total number of level 0 products	16
Number of level 0 products with errors	1

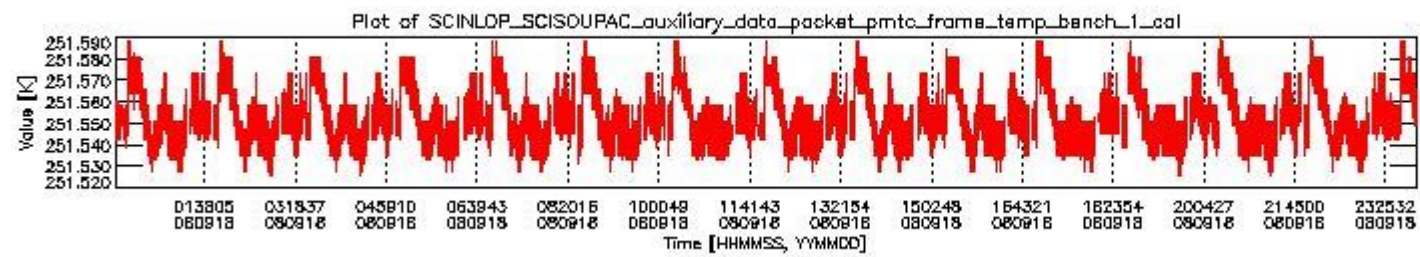
0.1.2 Summary per product

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

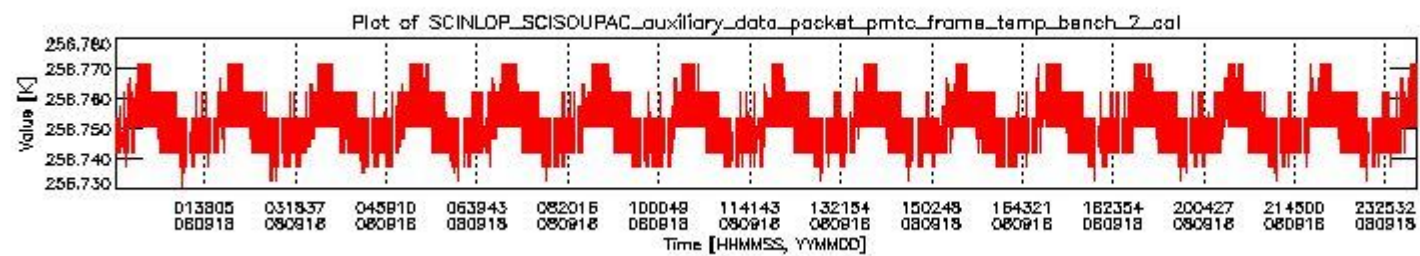
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080917_234416_000060732072_00130_34252_7526.N1	17SEP2008 23:44:16	18SEP2008 01:25:29	0	0	0	0	0
1	SCI_NL__OPNPDE20080918_012455_000046692072_00131_34253_7527.N1	18SEP2008 01:24:55	18SEP2008 02:42:44	0	0	0	0	0
2	SCI_NL__OPNPDE20080918_024244_000057882072_00132_34254_7528.N1	18SEP2008 02:42:44	18SEP2008 04:19:12	0	0	0	0	0
3	SCI_NL__OPNPDE20080918_041803_000061742072_00133_34255_7529.N1	18SEP2008 04:18:03	18SEP2008 06:00:57	0	0	0	0	0
4	SCI_NL__OPNPDK20080918_055949_000041702072_00134_34256_9428.N1	18SEP2008 05:59:49	18SEP2008 07:09:19	0	0	0	0	0
5	SCI_NL__OPNPDK20080918_070810_000061052072_00135_34257_9429.N1	18SEP2008 07:08:10	18SEP2008 08:49:55	0	0	0	0	0
6	SCI_NL__OPNPDK20080918_084859_000060242072_00136_34258_9430.N1	18SEP2008 08:48:59	18SEP2008 10:29:23	1	1	0	0	0
7	SCI_NL__OPNPDK20080918_102923_000059812072_00137_34259_9431.N1	18SEP2008 10:29:23	18SEP2008 12:09:04	0	0	0	0	0
8	SCI_NL__OPNPDK20080918_120904_000058432072_00138_34260_9432.N1	18SEP2008 12:09:04	18SEP2008 13:46:27	0	0	0	0	0
9	SCI_NL__OPNPDK20080918_134627_000058562072_00139_34261_9433.N1	18SEP2008 13:46:27	18SEP2008 15:24:03	0	0	0	0	0
10	SCI_NL__OPNPDK20080918_152307_000059122072_00140_34262_9434.N1	18SEP2008 15:23:07	18SEP2008 17:01:39	0	0	0	0	0
11	SCI_NL__OPNPDK20080918_170044_000060312072_00141_34263_9435.N1	18SEP2008 17:00:44	18SEP2008 18:41:14	0	0	0	0	0
12	SCI_NL__OPNPDK20080918_184004_000059192072_00142_34264_9436.N1	18SEP2008 18:40:04	18SEP2008 20:18:43	0	0	0	0	0
13	SCI_NL__OPNPDE20080918_201843_000044442072_00143_34265_7530.N1	18SEP2008 20:18:43	18SEP2008 21:32:46	0	0	0	0	0
14	SCI_NL__OPNPDE20080918_213213_000061212072_00143_34265_7531.N1	18SEP2008 21:32:13	18SEP2008 23:14:14	0	0	0	0	0
15	SCI_NL__OPNPDE20080918_231247_000060732072_00144_34266_7532.N1	18SEP2008 23:12:47	19SEP2008 00:53:59	0	0	0	0	0

0.2 Product Quality Indicators

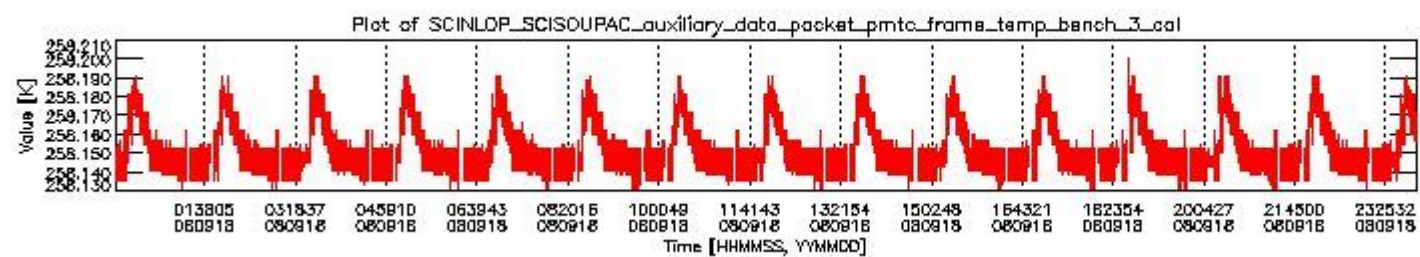
This section shows information about product quality, currently temperatures.



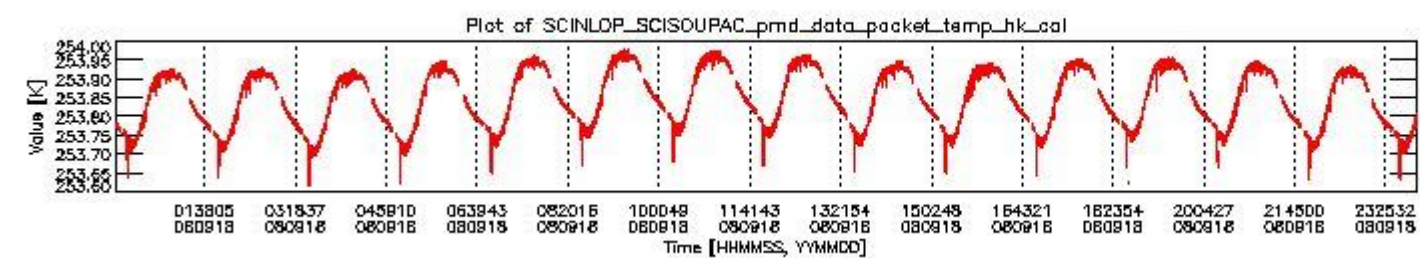
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080918_0.PNG



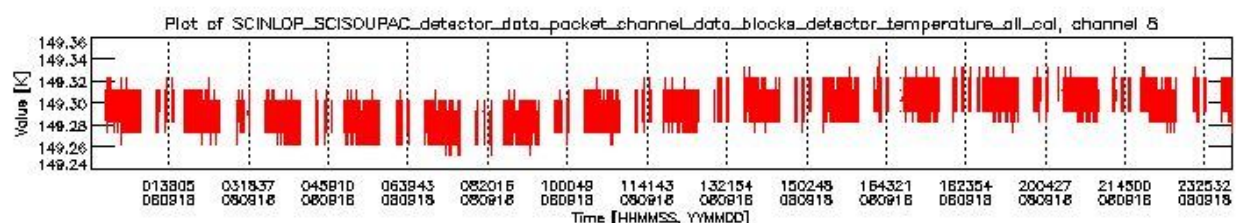
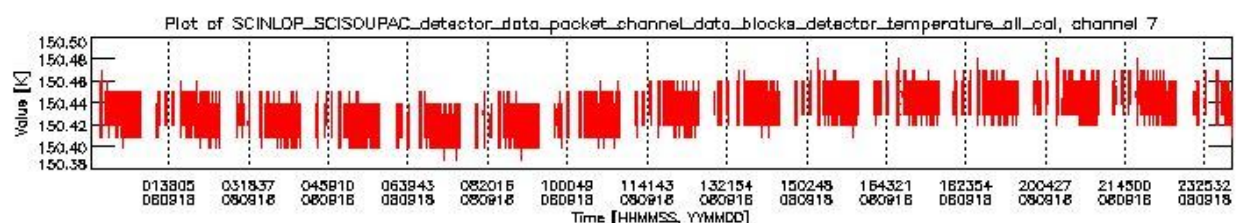
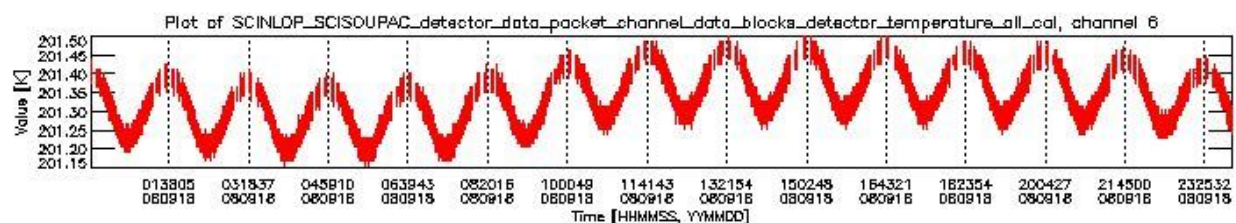
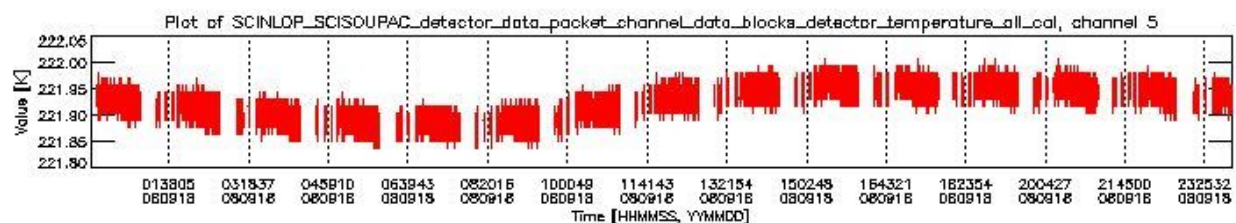
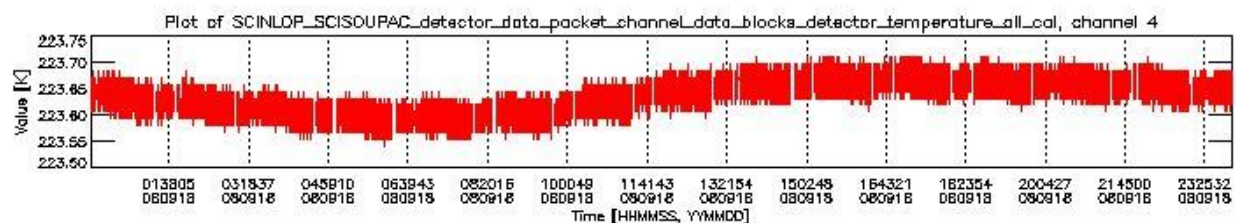
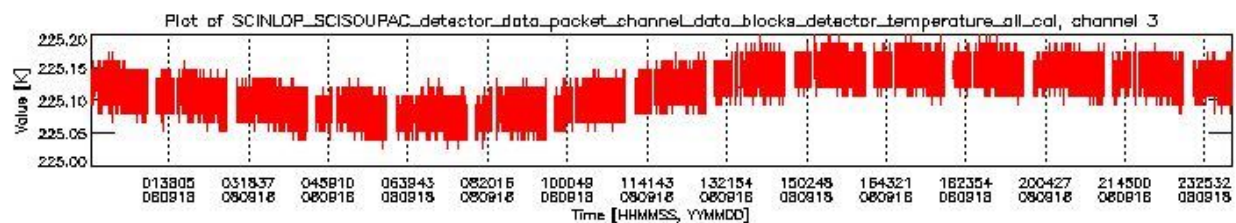
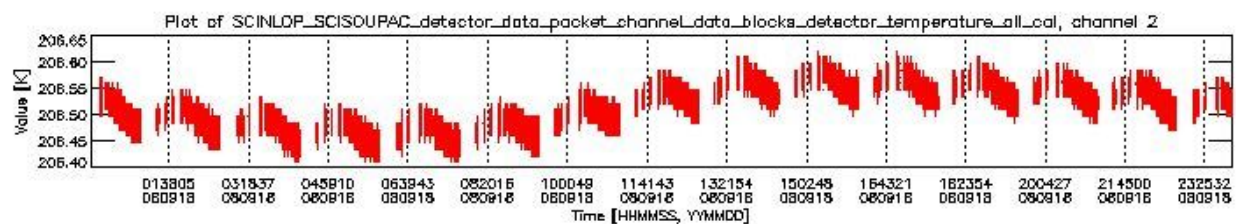
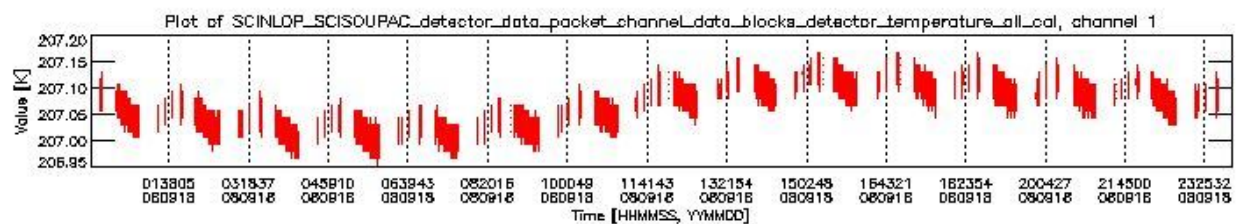
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080918_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080918_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080918_3.PNG

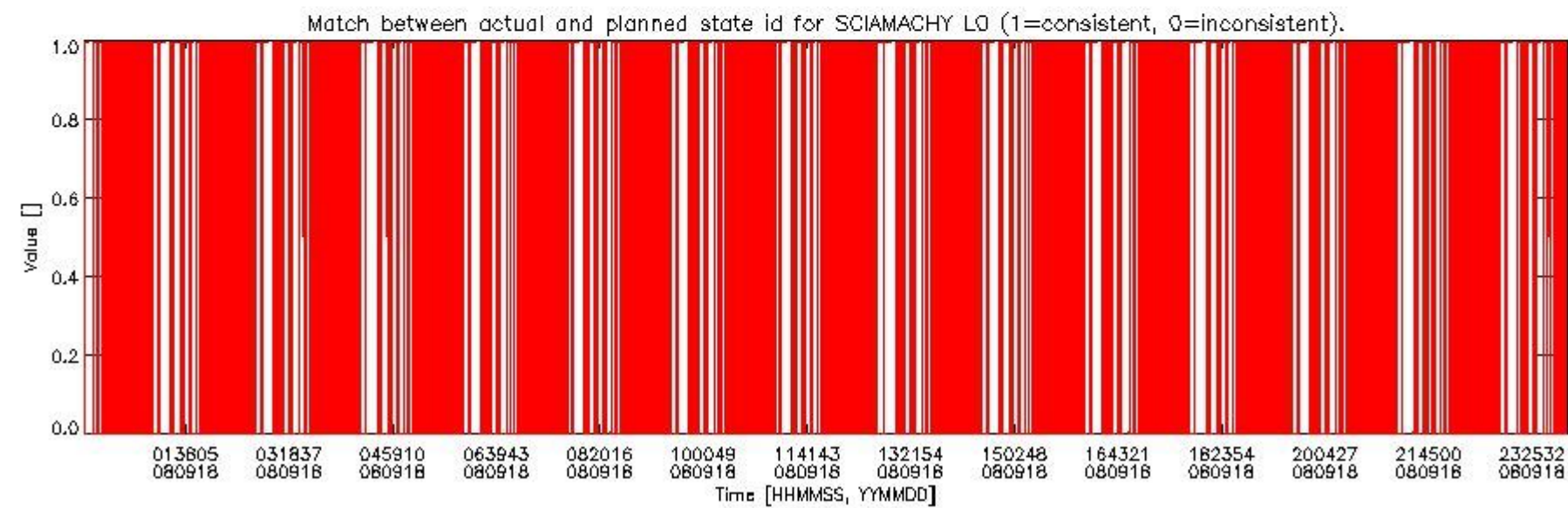
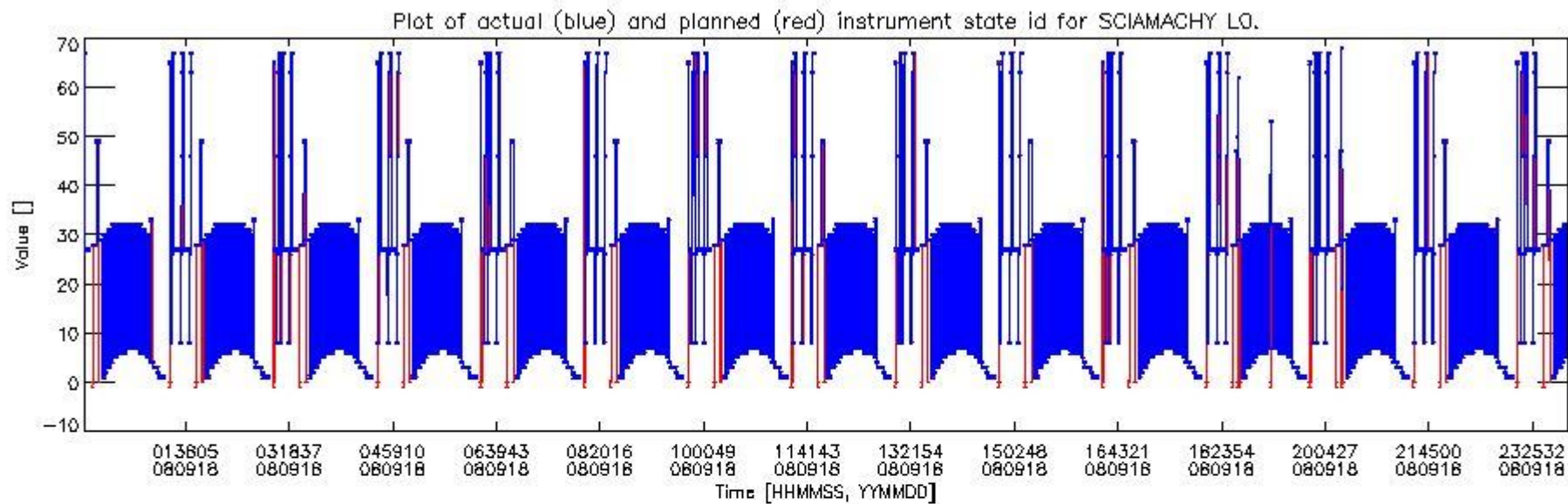


0.3 State monitoring

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: **50757**

#	Actual time	Actual value	Planned time	Planned value
0	18SEP2008 00:00:32.565062	27	18SEP2008 00:00:32.565062	67
1	18SEP2008 00:00:33.565056	27	18SEP2008 00:00:33.565056	67
2	18SEP2008 00:00:34.502569	27	18SEP2008 00:00:34.502569	67
3	18SEP2008 00:00:35.252555	27	18SEP2008 00:00:35.252555	67
4	18SEP2008 00:00:36.190067	27	18SEP2008 00:00:36.190067	67
5	18SEP2008 00:00:36.940053	27	18SEP2008 00:00:36.940053	67
6	18SEP2008 00:00:37.565075	27	18SEP2008 00:00:37.565075	67
7	18SEP2008 00:00:37.877566	27	18SEP2008 00:00:37.877566	67
8	18SEP2008 00:00:38.627551	27	18SEP2008 00:00:38.627551	67
9	18SEP2008 00:00:39.565064	27	18SEP2008 00:00:39.565064	67
10	18SEP2008 00:00:40.315050	27	18SEP2008 00:00:40.315050	67
11	18SEP2008 00:00:41.252562	27	18SEP2008 00:00:41.252562	67
12	18SEP2008 00:00:42.002548	27	18SEP2008 00:00:42.002548	67
13	18SEP2008 00:00:42.565048	27	18SEP2008 00:00:42.565048	67
14	18SEP2008 00:00:42.940061	27	18SEP2008 00:00:42.940061	67
15	18SEP2008 00:07:41.037773	28	18SEP2008 00:07:41.037773	0
16	18SEP2008 00:07:41.662754	28	18SEP2008 00:07:41.662754	0
17	18SEP2008 00:07:42.037767	28	18SEP2008 00:07:42.037767	0
18	18SEP2008 00:07:42.412781	28	18SEP2008 00:07:42.412781	0
19	18SEP2008 00:07:42.975280	28	18SEP2008 00:07:42.975280	0
...

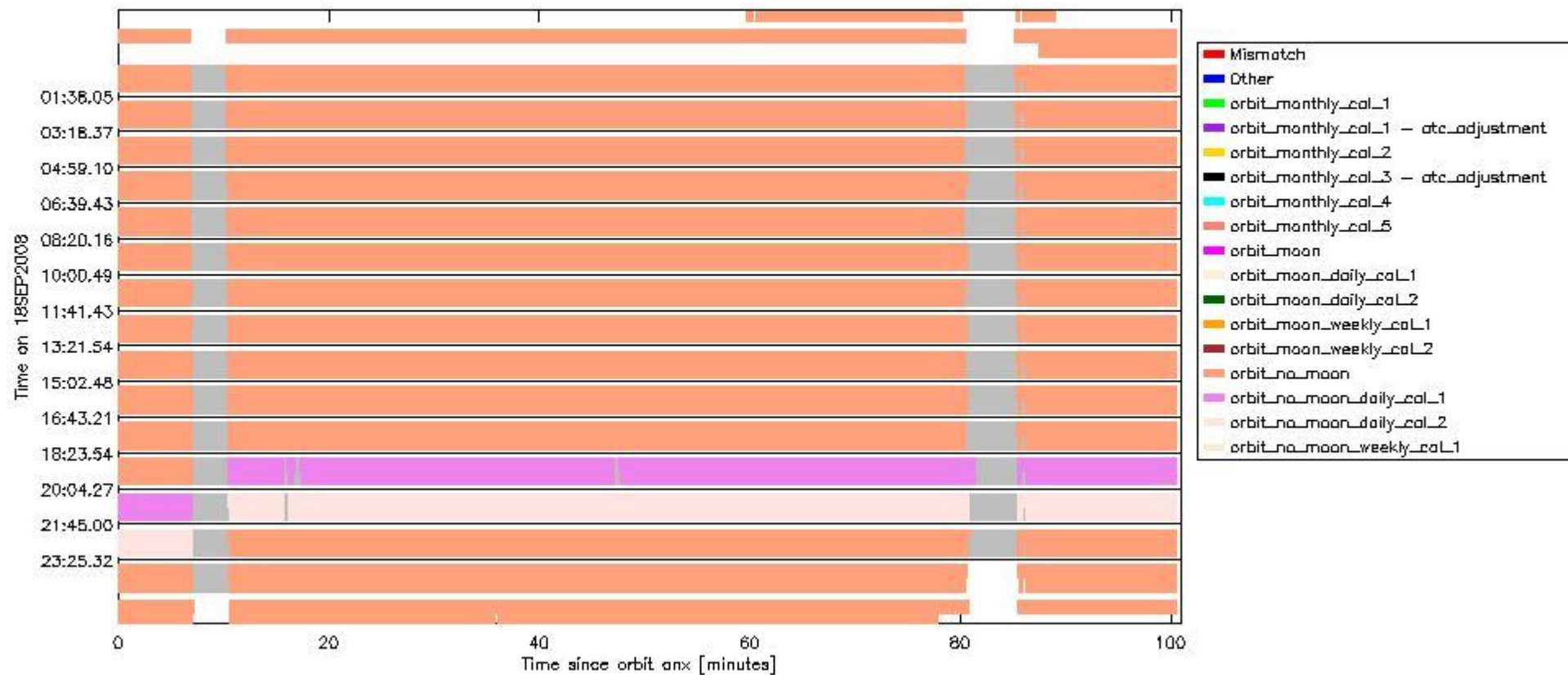


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080918_5.PNG

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 18SEP2008.
 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_20080918_6.PNG

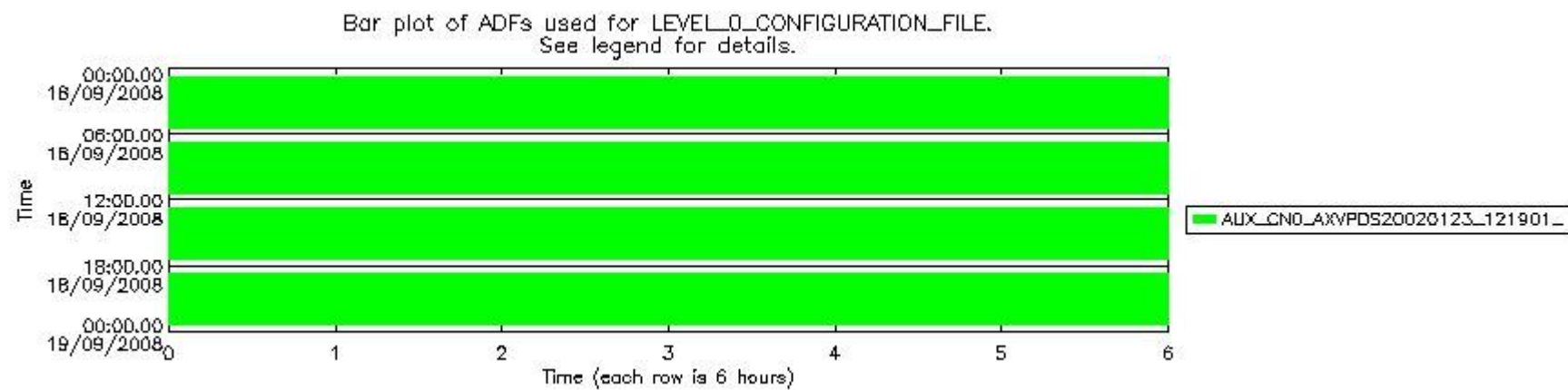
0.4 ADF monitoring

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

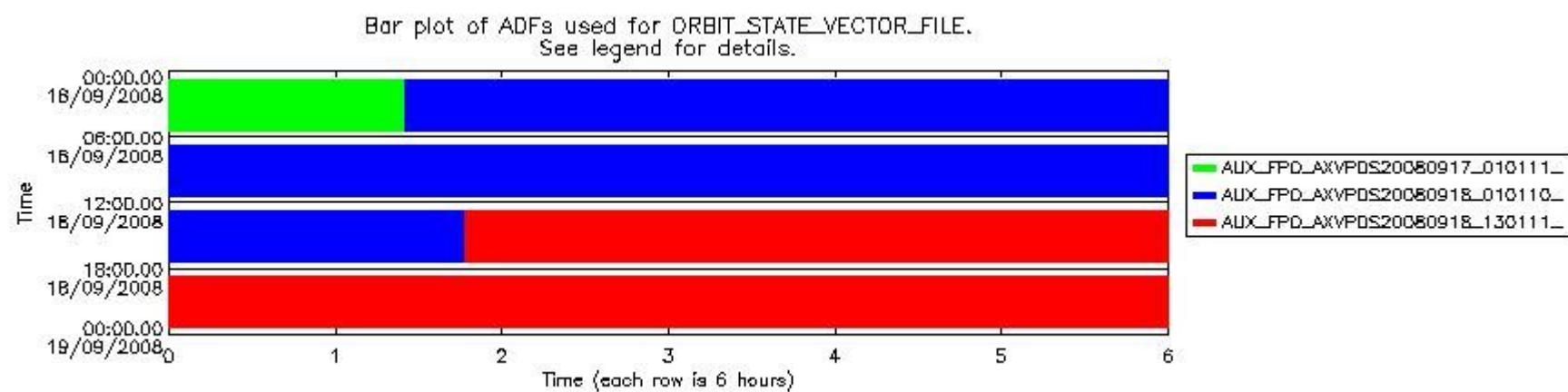
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

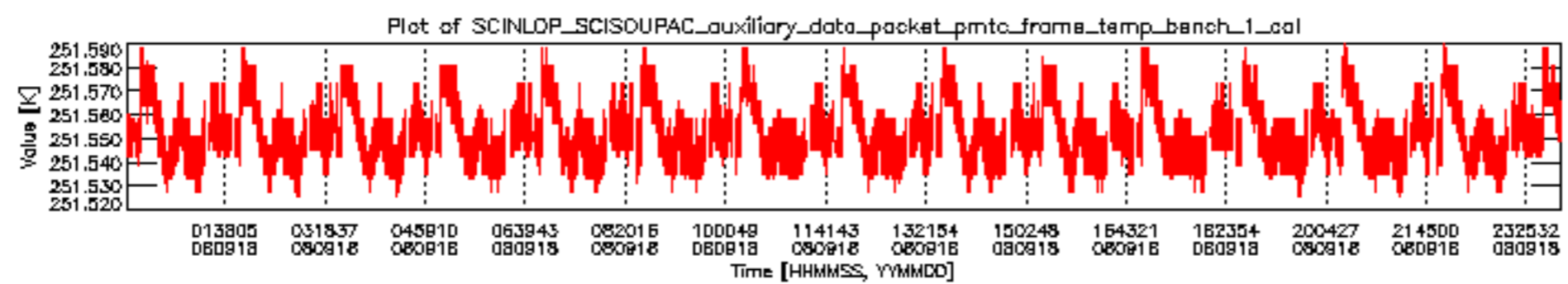
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080917_010111_20080916_192708_20080926_205323
2	AUX_FPO_AXVPDS20080918_010110_20080917_185531_20080927_202146
3	AUX_FPO_AXVPDS20080918_130111_20080918_082019_20080927_234258

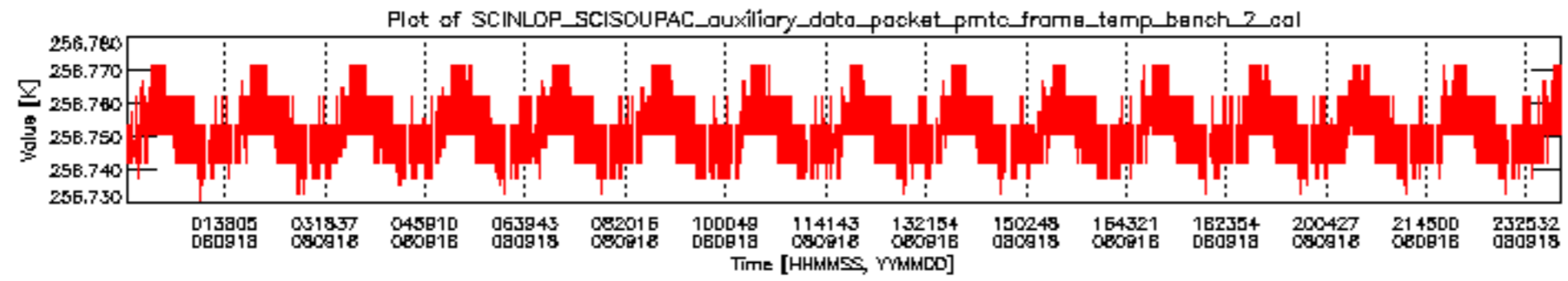


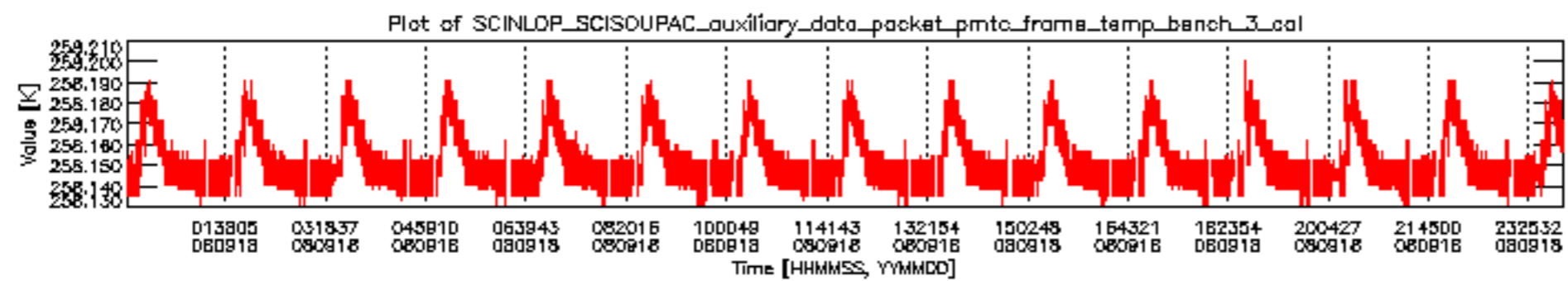
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080918_7.PNG

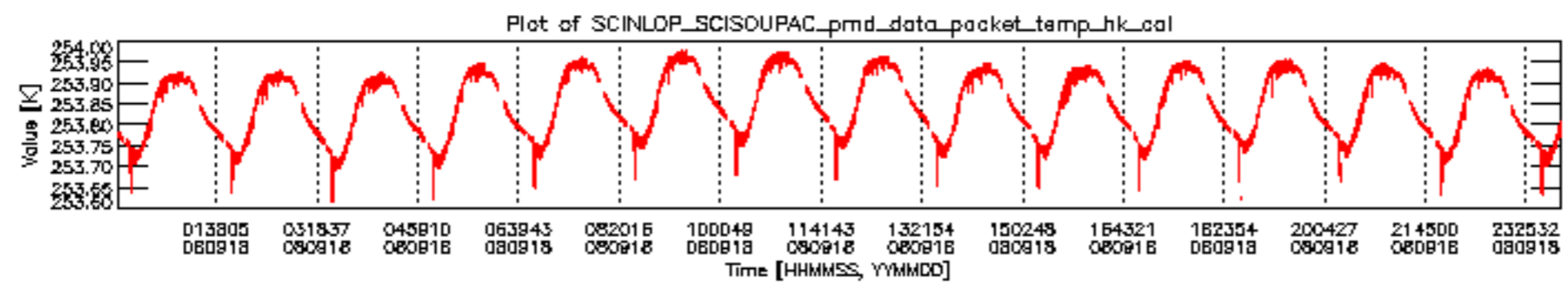


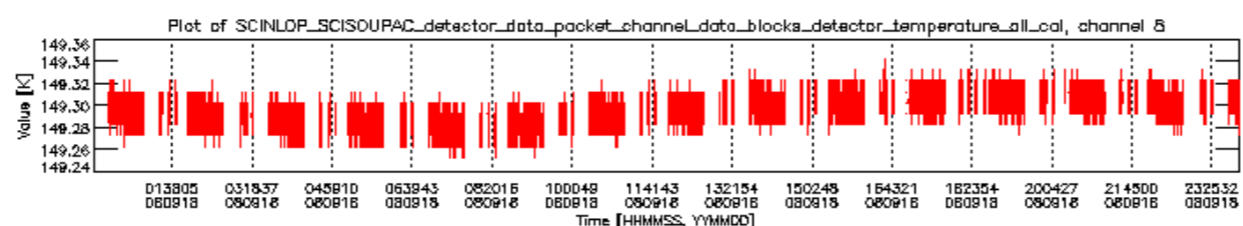
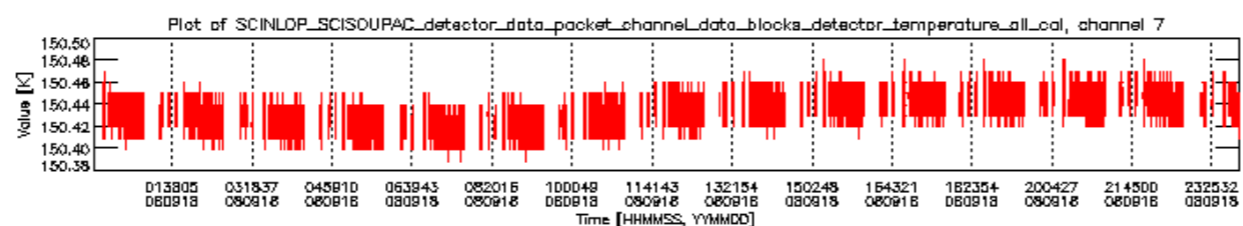
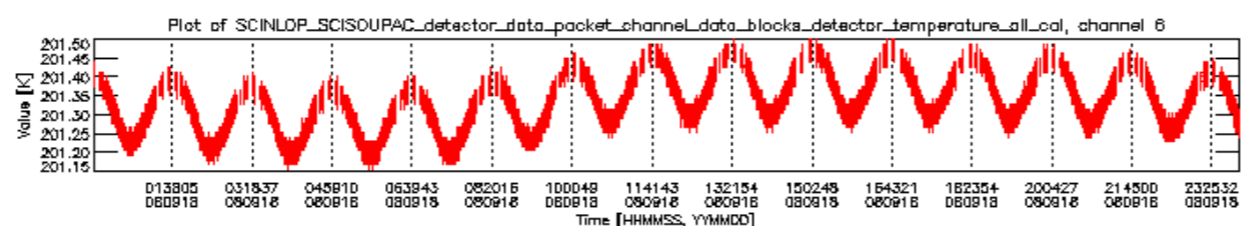
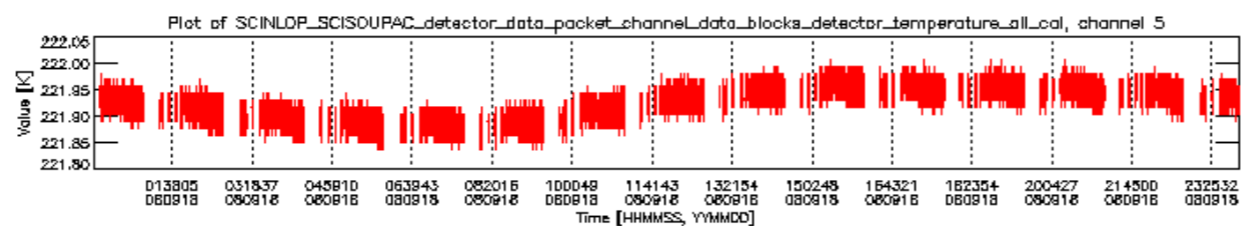
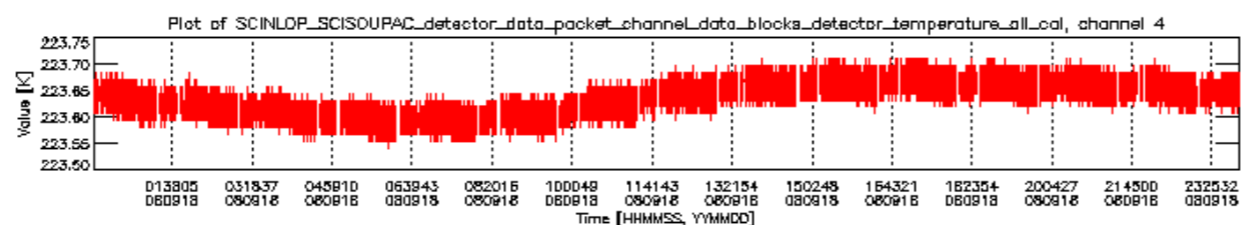
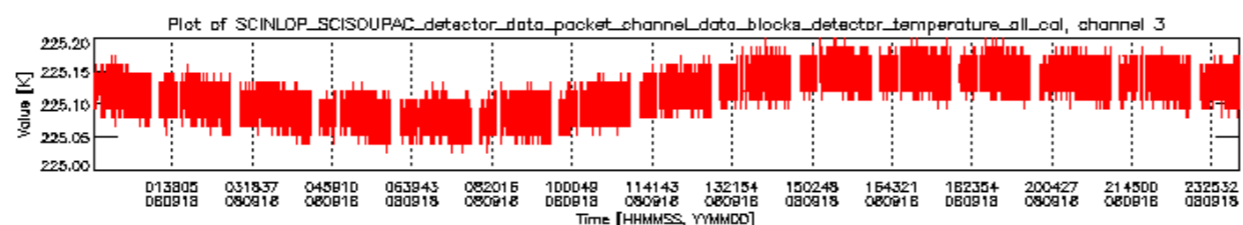
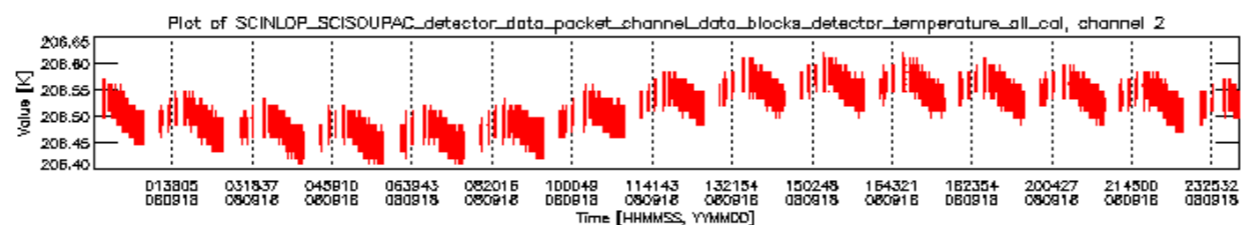
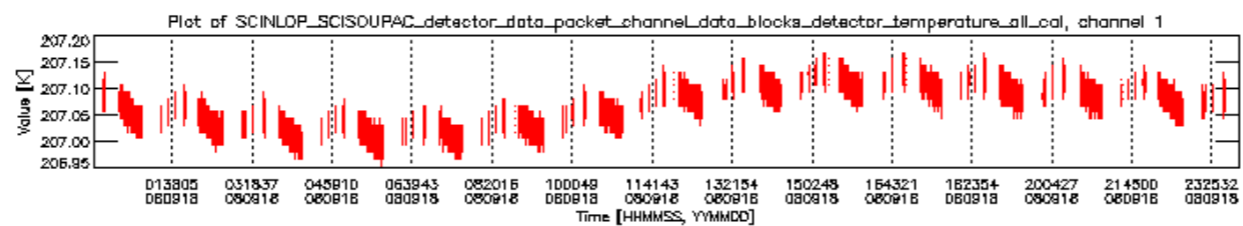
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080918_8.PNG

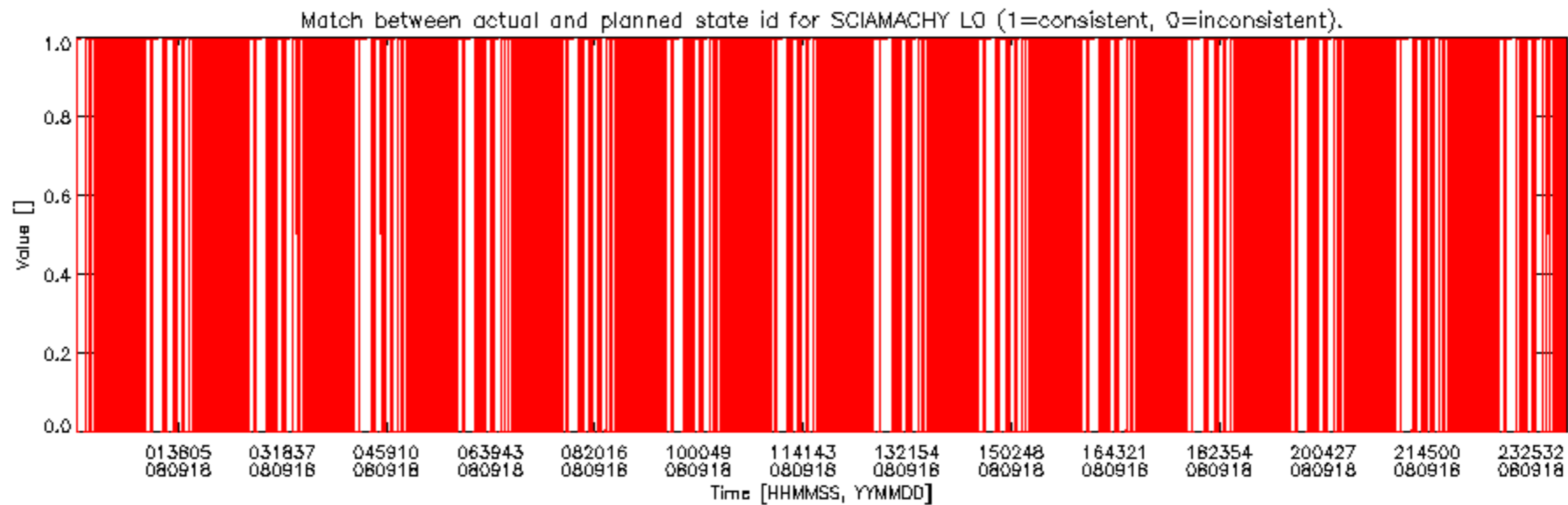
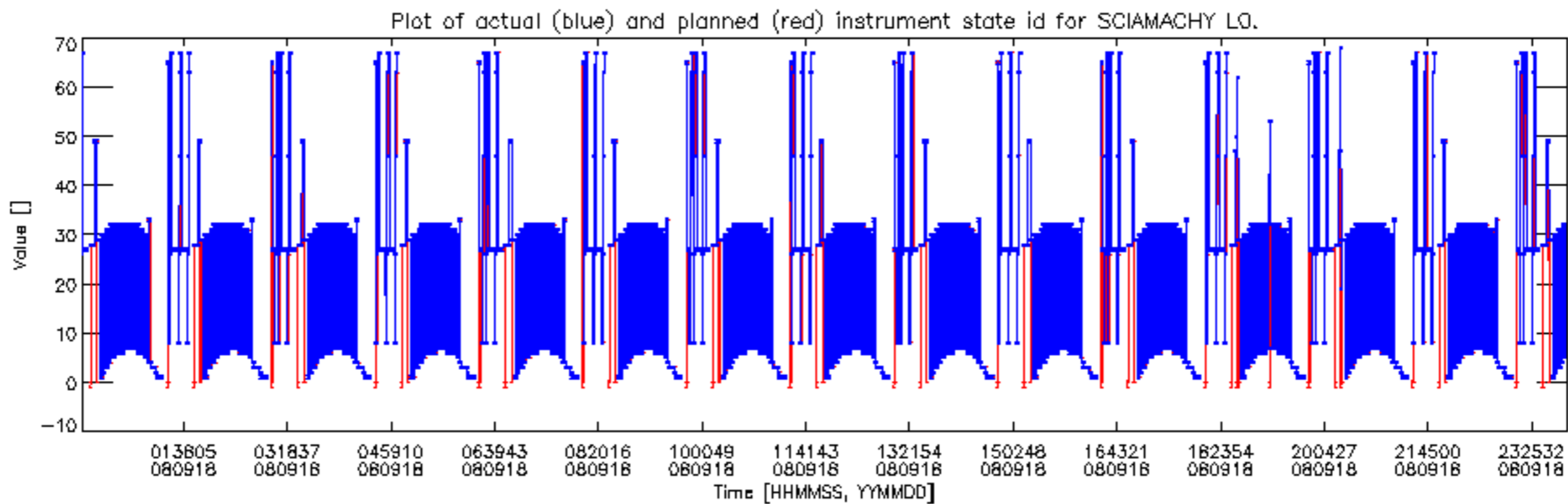












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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