

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	18JAN2008 07:03:33
Data source version	KSPT_L0/4302-N
Processing scope for products	14JAN2008 00:00:00 to 15JAN2008 00:00:00
Start time of first product within scope	13JAN2008 23:44:25
Stop time of last product within scope	15JAN2008 00:46:07
Total number of level 0 products	16
Number of level 0 products with errors	2

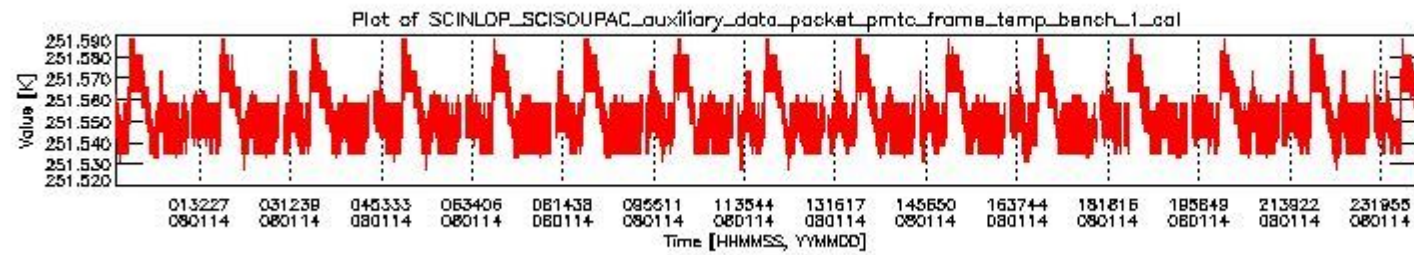
0.1.2 Summary per product

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

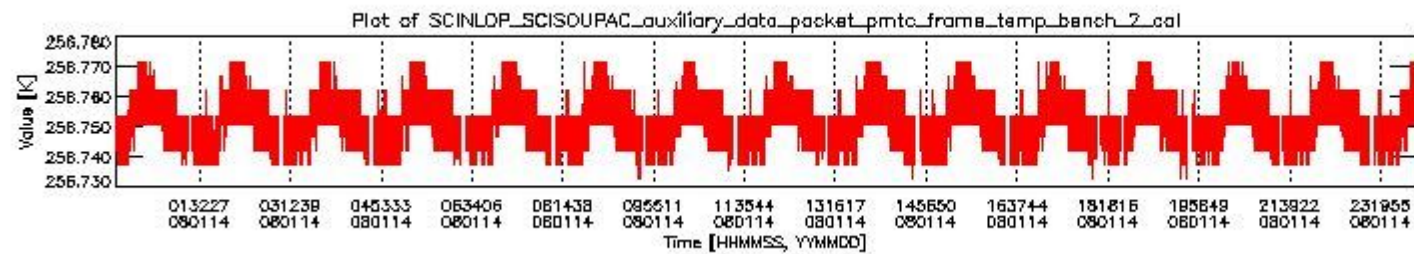
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080113_234425_000056032065_00087_30702_5935.N1	13JAN2008 23:44:25	14JAN2008 01:17:48	0	0	0	0	0
1	SCI_NL__OPNPDE20080114_011748_000047412065_00088_30703_5936.N1	14JAN2008 01:17:48	14JAN2008 02:36:49	0	0	0	0	0
2	SCI_NL__OPNPDE20080114_023540_000059112065_00089_30704_5937.N1	14JAN2008 02:35:40	14JAN2008 04:14:11	0	0	0	0	0
3	SCI_NL__OPNPDE20080114_041303_000061042065_00090_30705_5938.N1	14JAN2008 04:13:03	14JAN2008 05:54:47	0	0	0	0	0
4	SCI_NL__OPNPDK20080114_055351_000041012065_00091_30706_7123.N1	14JAN2008 05:53:51	14JAN2008 07:02:12	0	0	0	0	0
5	SCI_NL__OPNPDK20080114_070103_000062292065_00092_30707_7124.N1	14JAN2008 07:01:03	14JAN2008 08:44:52	0	0	0	0	0
6	SCI_NL__OPNPDK20080114_084356_000058982065_00093_30708_7125.N1	14JAN2008 08:43:56	14JAN2008 10:22:15	0	0	0	0	0
7	SCI_NL__OPNPDK20080114_102119_000061042065_00094_30709_7126.N1	14JAN2008 10:21:19	14JAN2008 12:03:03	0	0	0	0	0
8	SCI_NL__OPNPDK20080114_120154_000059802065_00095_30710_7127.N1	14JAN2008 12:01:54	14JAN2008 13:41:34	1	0	1	0	0
9	SCI_NL__OPNPDK20080114_134038_000059802065_00096_30711_7129.N1	14JAN2008 13:40:38	14JAN2008 15:20:18	1	1	1	0	0
10	SCI_NL__OPNPDK20080114_151800_000060362065_00097_30712_7131.N1	14JAN2008 15:18:00	14JAN2008 16:58:36	0	0	0	0	0
11	SCI_NL__OPNPDK20080114_165739_000058682065_00098_30713_7132.N1	14JAN2008 16:57:39	14JAN2008 18:35:27	0	0	0	0	0
12	SCI_NL__OPNPDK20080114_183527_000060362065_00099_30714_7133.N1	14JAN2008 18:35:27	14JAN2008 20:16:03	0	0	0	0	0
13	SCI_NL__OPNPDE20080114_201603_000041612065_00100_30715_5939.N1	14JAN2008 20:16:03	14JAN2008 21:25:23	0	0	0	0	0
14	SCI_NL__OPNPDE20080114_212415_000060892065_00100_30715_5940.N1	14JAN2008 21:24:15	14JAN2008 23:05:44	0	0	0	0	0
15	SCI_NL__OPNPDE20080114_230544_000060232065_00101_30716_5941.N1	14JAN2008 23:05:44	15JAN2008 00:46:07	0	0	0	0	0

0.2 Product Quality Indicators

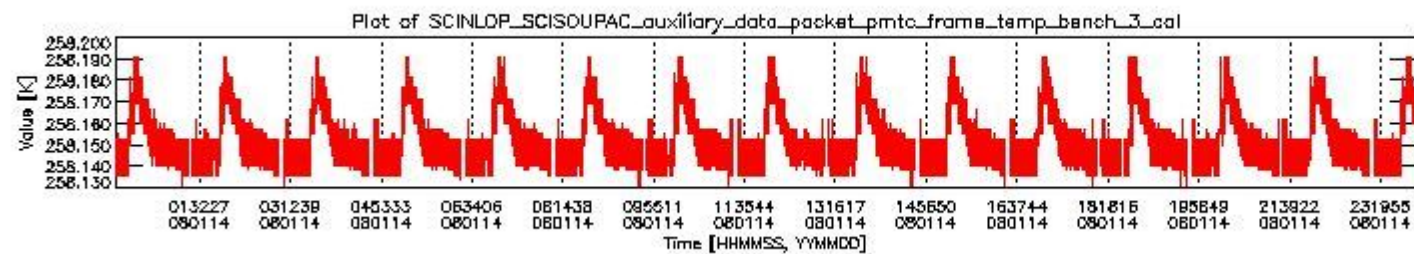
This section shows information about product quality, currently temperatures.



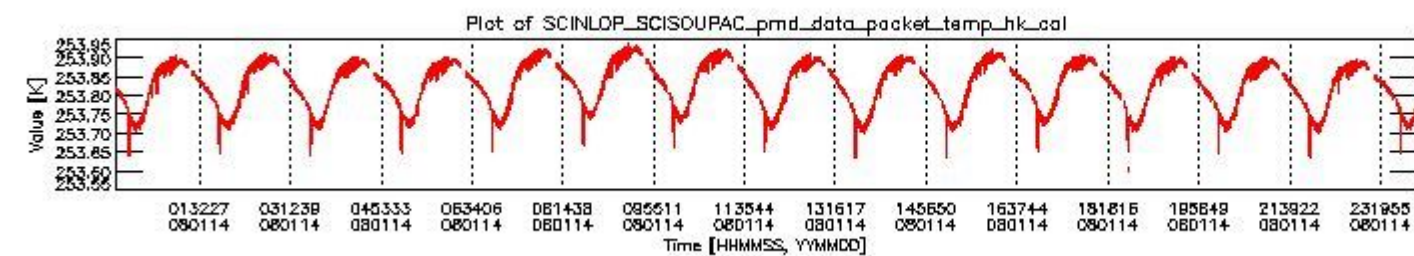
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080114_0.PNG



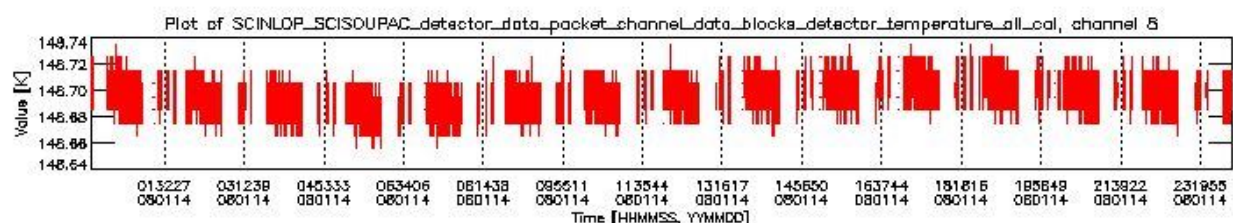
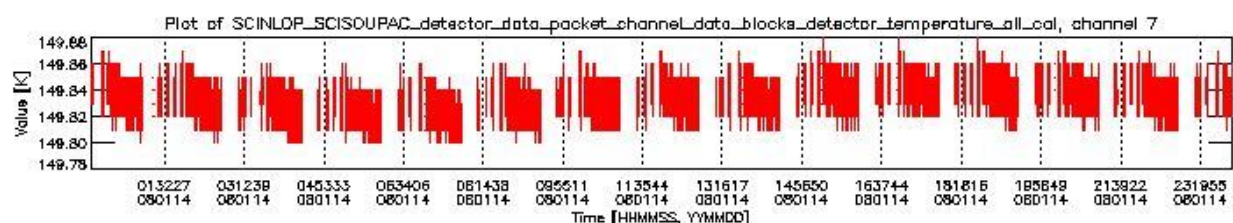
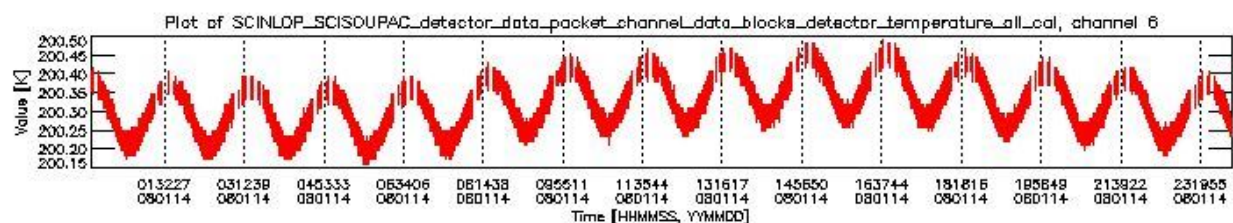
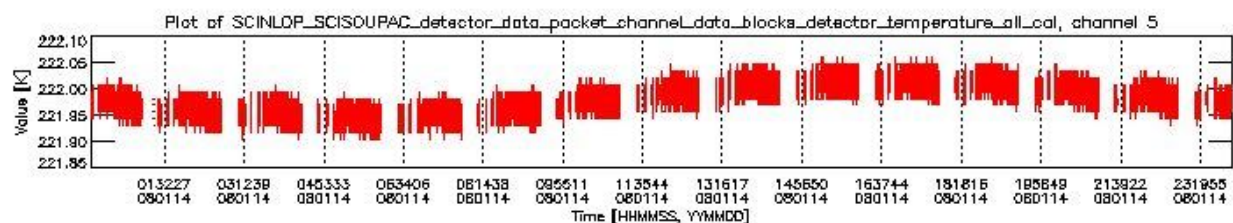
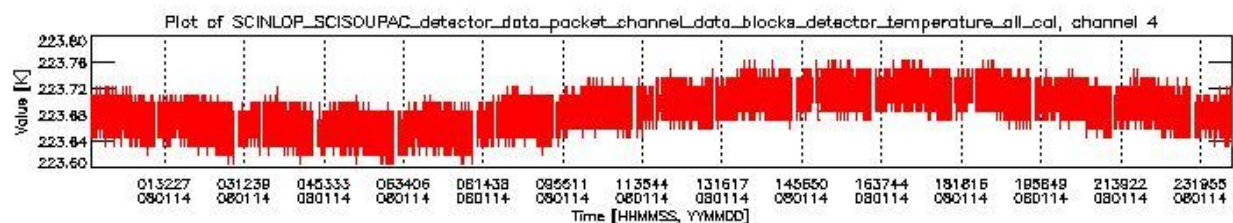
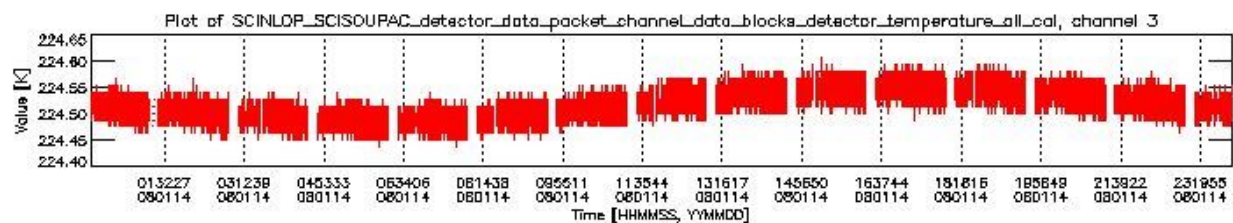
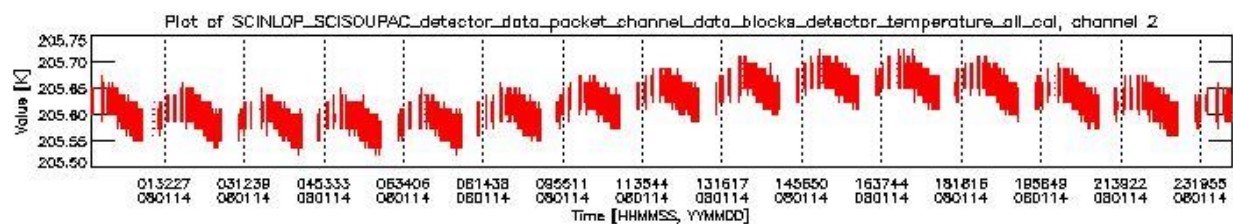
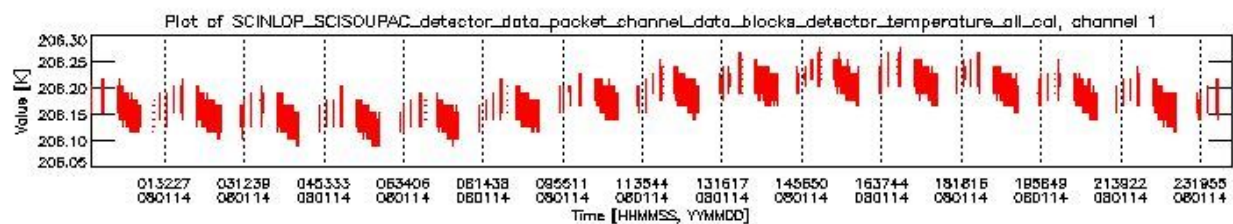
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080114_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20080114_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20080114_3.PNG

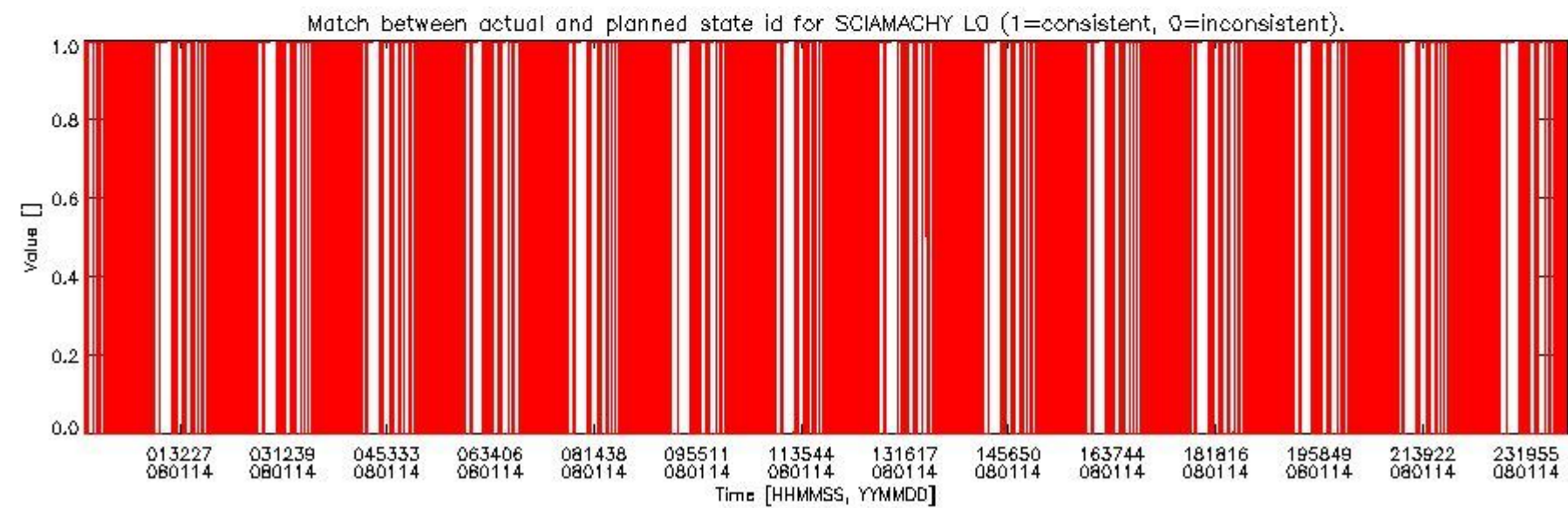
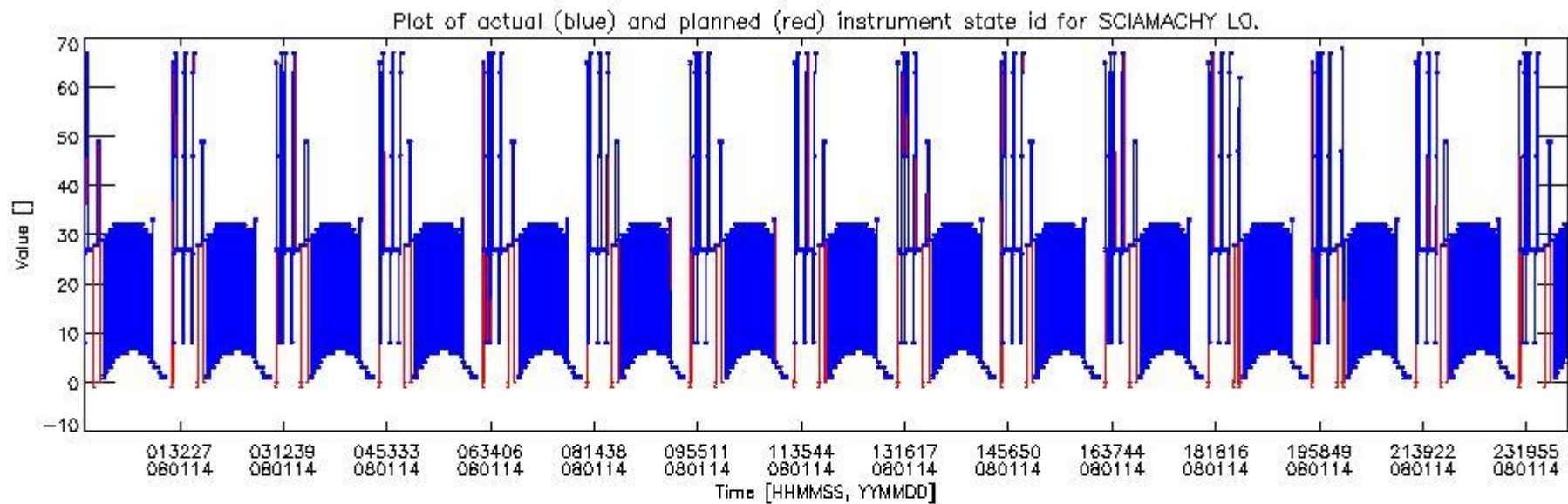


0.3 State monitoring

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: **38308**

#	Actual time	Actual value	Planned time	Planned value
0	14JAN2008 00:00:08.712405	26	14JAN2008 00:00:08.712405	8
1	14JAN2008 00:00:09.337386	26	14JAN2008 00:00:09.337386	8
2	14JAN2008 00:00:09.837404	26	14JAN2008 00:00:09.837404	8
3	14JAN2008 00:00:10.337381	26	14JAN2008 00:00:10.337381	8
4	14JAN2008 00:00:10.837398	26	14JAN2008 00:00:10.837398	8
5	14JAN2008 00:00:11.337376	26	14JAN2008 00:00:11.337376	8
6	14JAN2008 00:00:11.837393	26	14JAN2008 00:00:11.837393	8
7	14JAN2008 00:00:12.337410	26	14JAN2008 00:00:12.337410	8
8	14JAN2008 00:00:12.837388	26	14JAN2008 00:00:12.837388	8
9	14JAN2008 00:00:13.337405	26	14JAN2008 00:00:13.337405	8
10	14JAN2008 00:00:13.712378	26	14JAN2008 00:00:13.712378	8
11	14JAN2008 00:00:13.837382	26	14JAN2008 00:00:13.837382	8
12	14JAN2008 00:00:14.337400	26	14JAN2008 00:00:14.337400	8
13	14JAN2008 00:00:14.837377	26	14JAN2008 00:00:14.837377	8
14	14JAN2008 00:00:15.337394	26	14JAN2008 00:00:15.337394	8
15	14JAN2008 00:00:15.837412	26	14JAN2008 00:00:15.837412	8
16	14JAN2008 00:00:16.337389	26	14JAN2008 00:00:16.337389	8
17	14JAN2008 00:00:16.837406	26	14JAN2008 00:00:16.837406	8
18	14JAN2008 00:00:42.270984	46	14JAN2008 00:00:42.270984	26
19	14JAN2008 00:00:42.896006	46	14JAN2008 00:00:42.896006	26
...

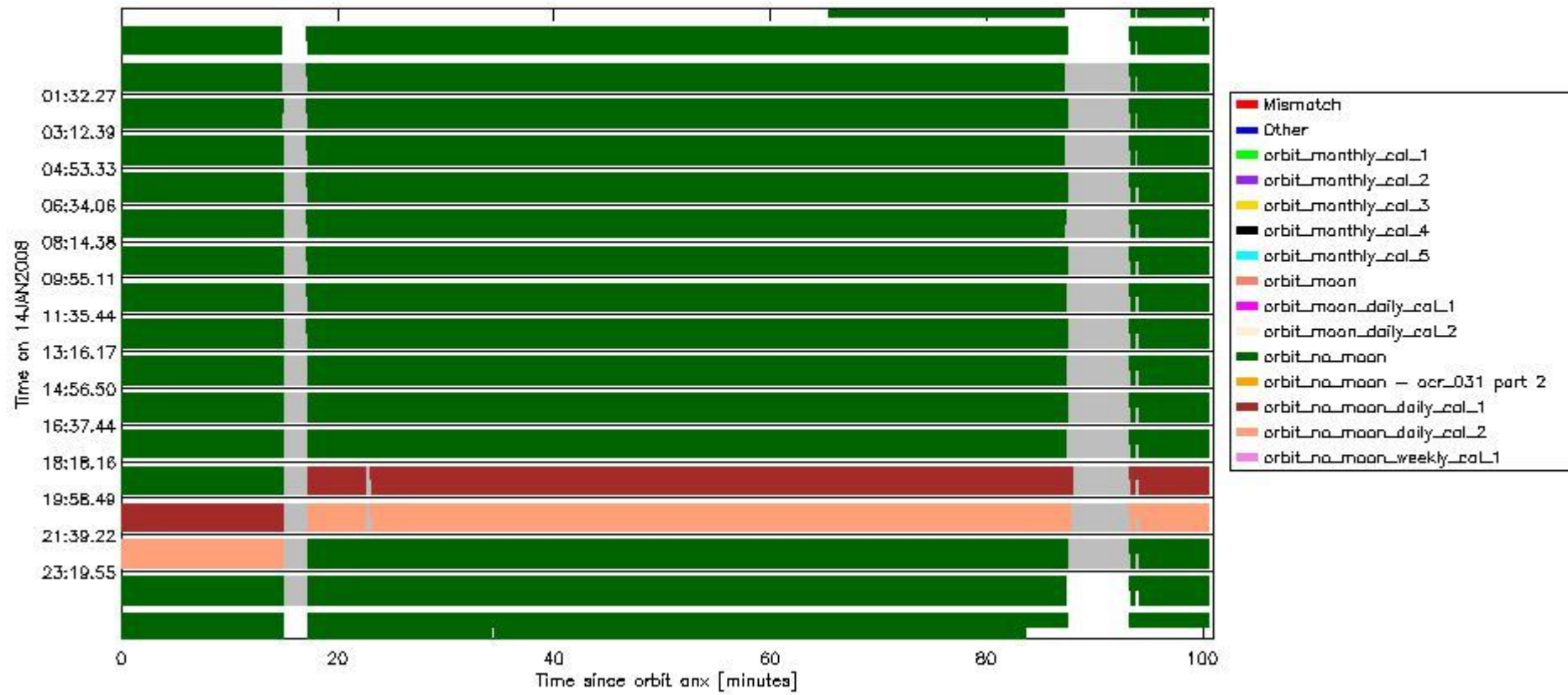


sciamachy_daily_report_level0_KSPT_L0_4302_N_20080114_5.PNG

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 14JAN2008.
 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_4302_N_20080114_6.PNG

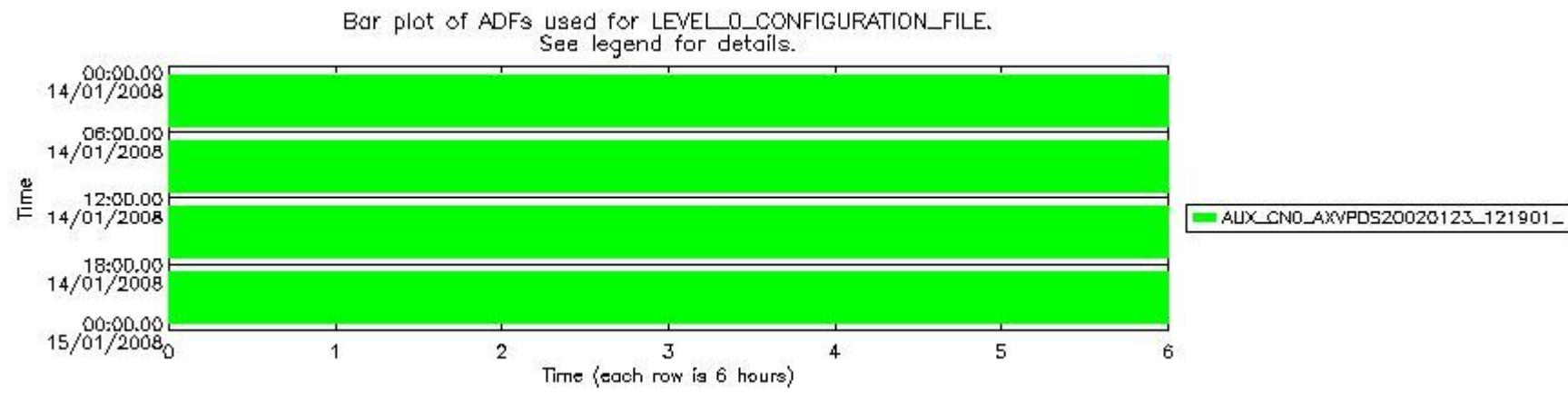
0.4 ADF monitoring

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

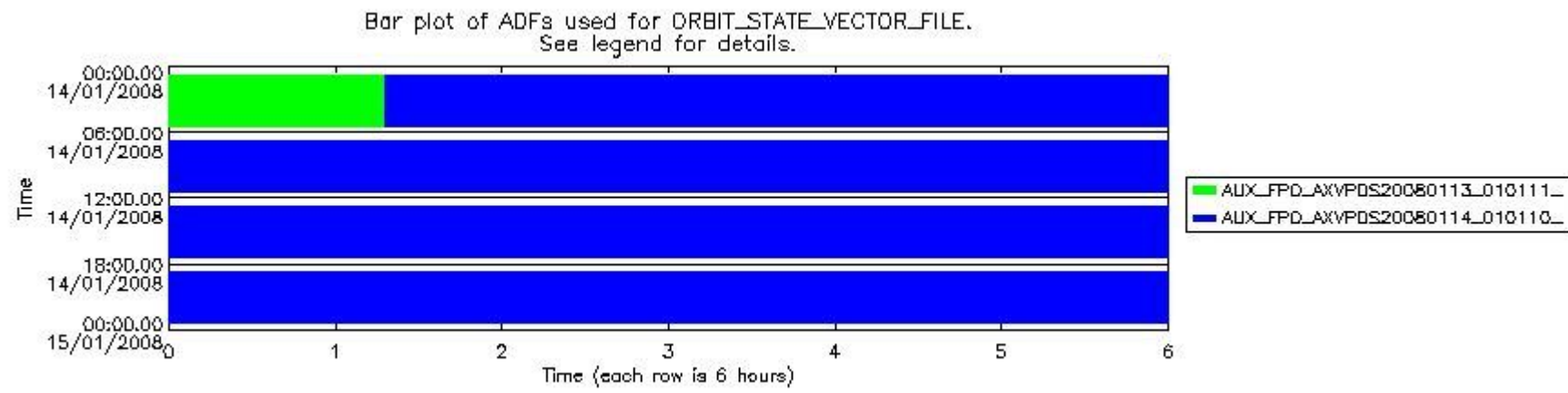
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

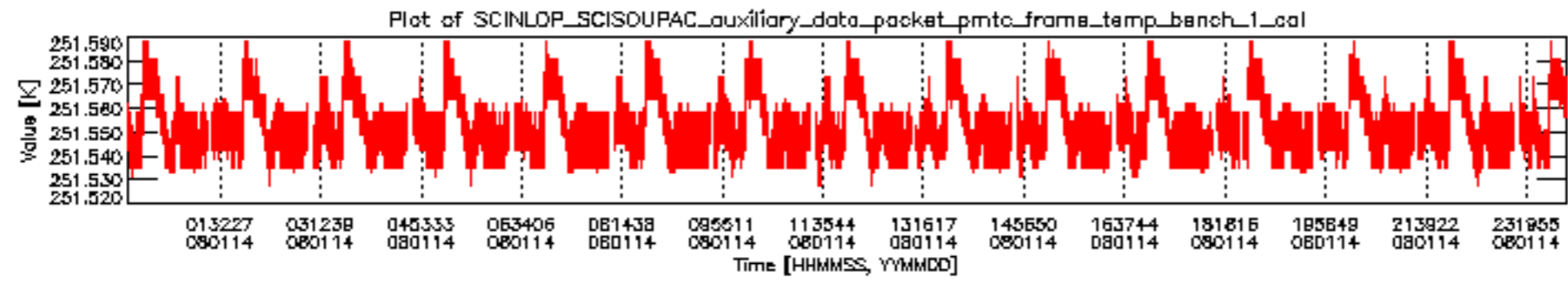
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080113_010111_20080112_192125_20080122_204739
2	AUX_FPO_AXVPDS20080114_010110_20080113_184948_20080123_201602

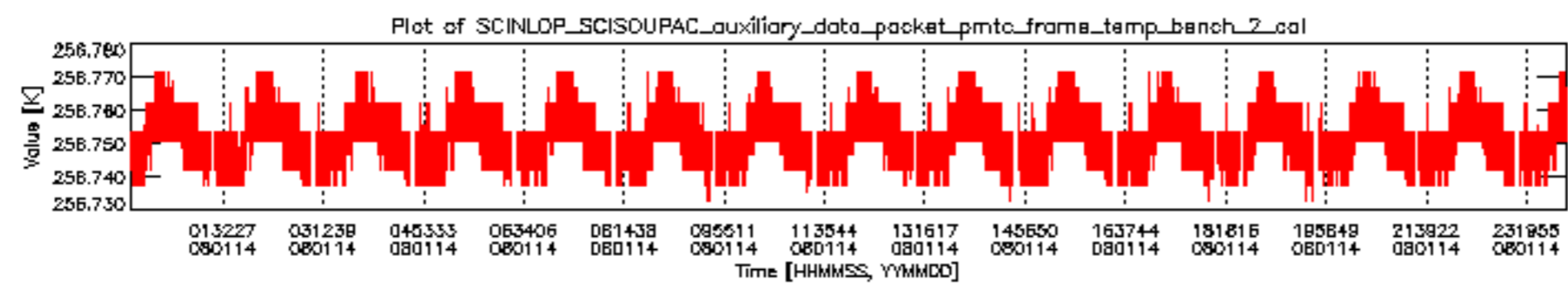


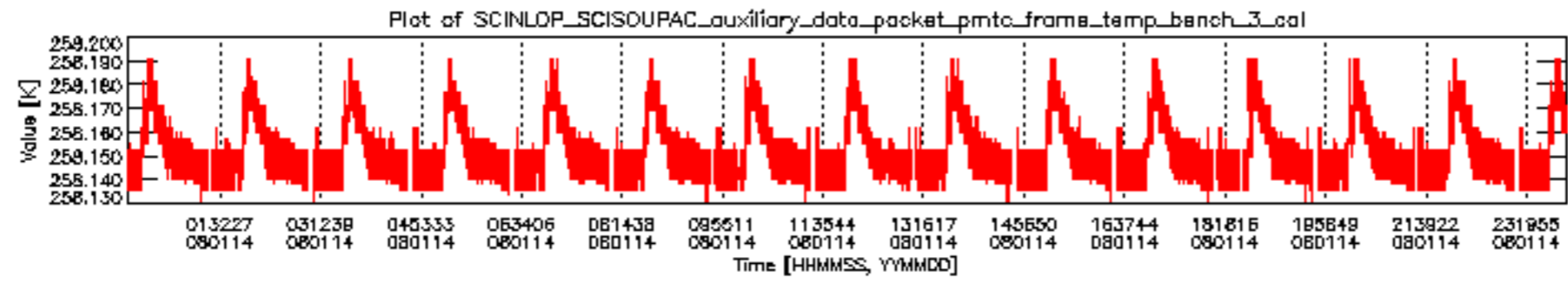
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080114_7.PNG

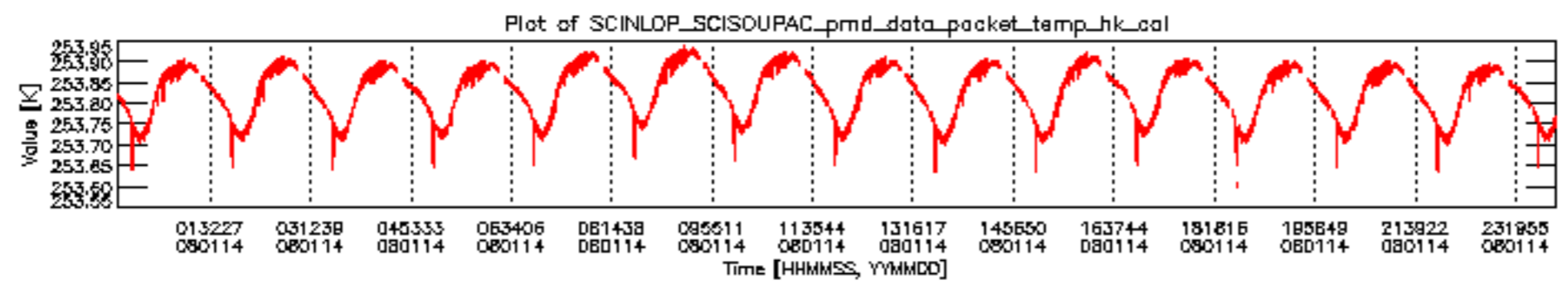


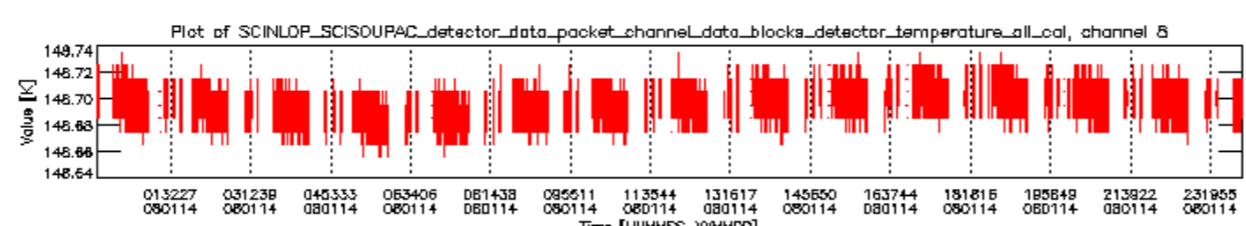
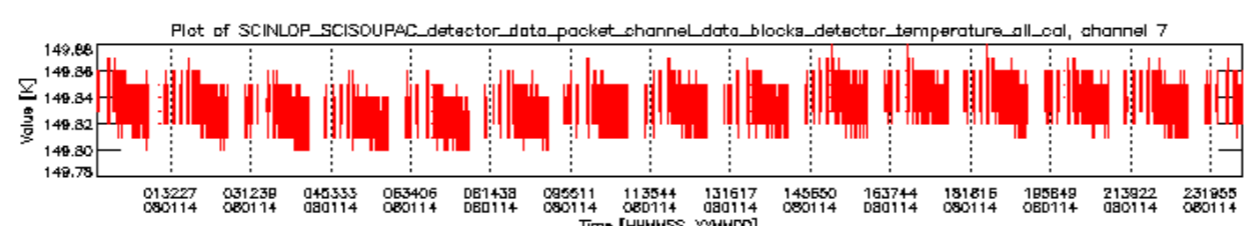
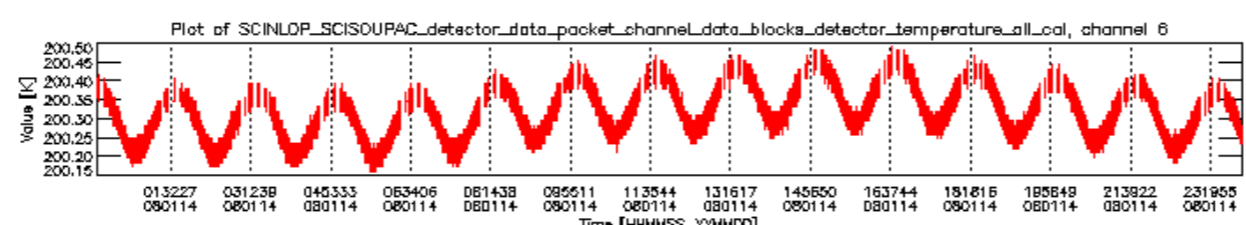
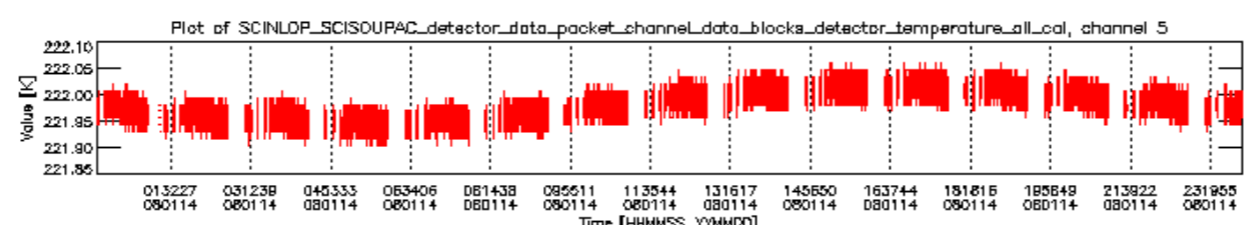
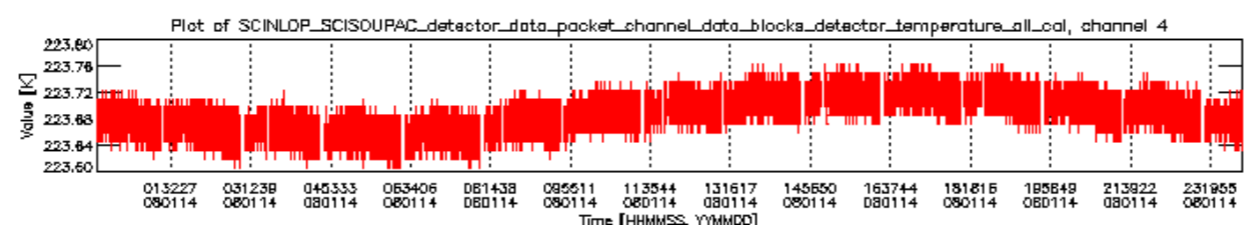
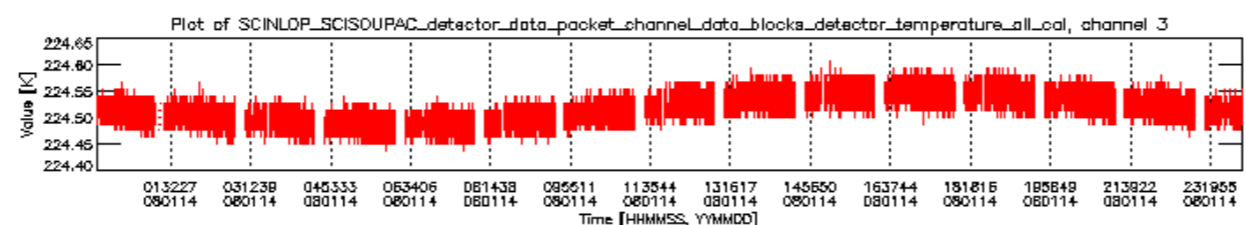
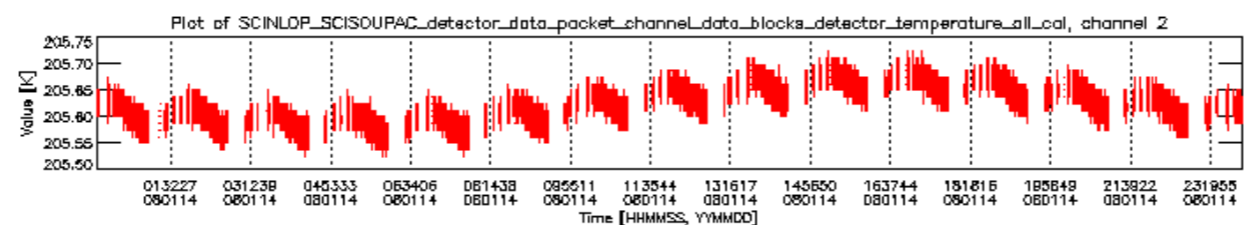
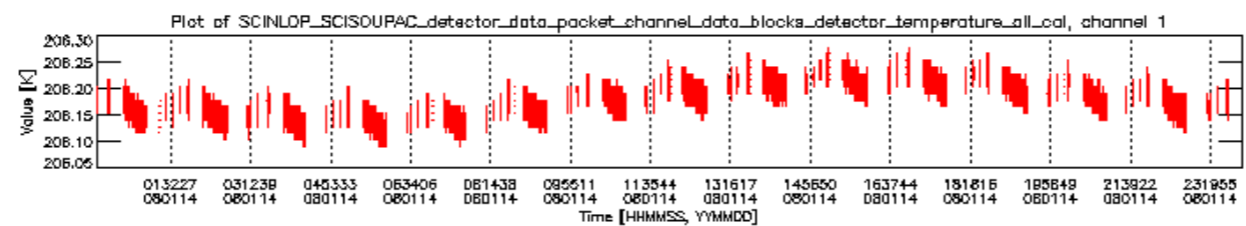
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080114_8.PNG

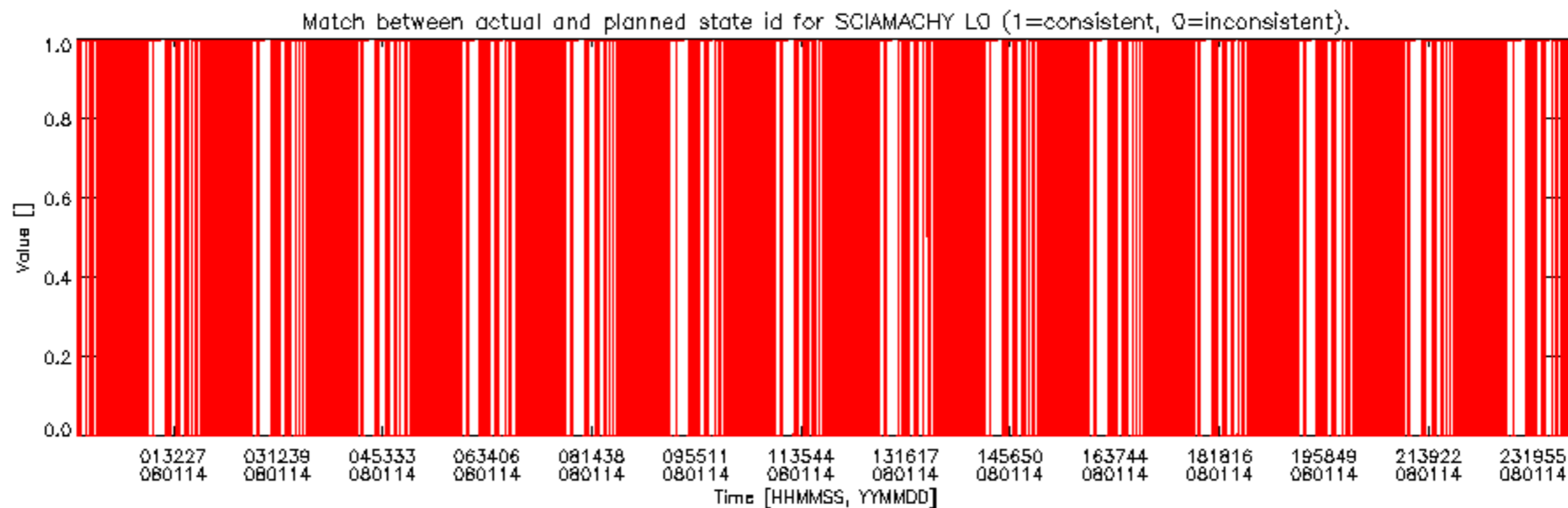
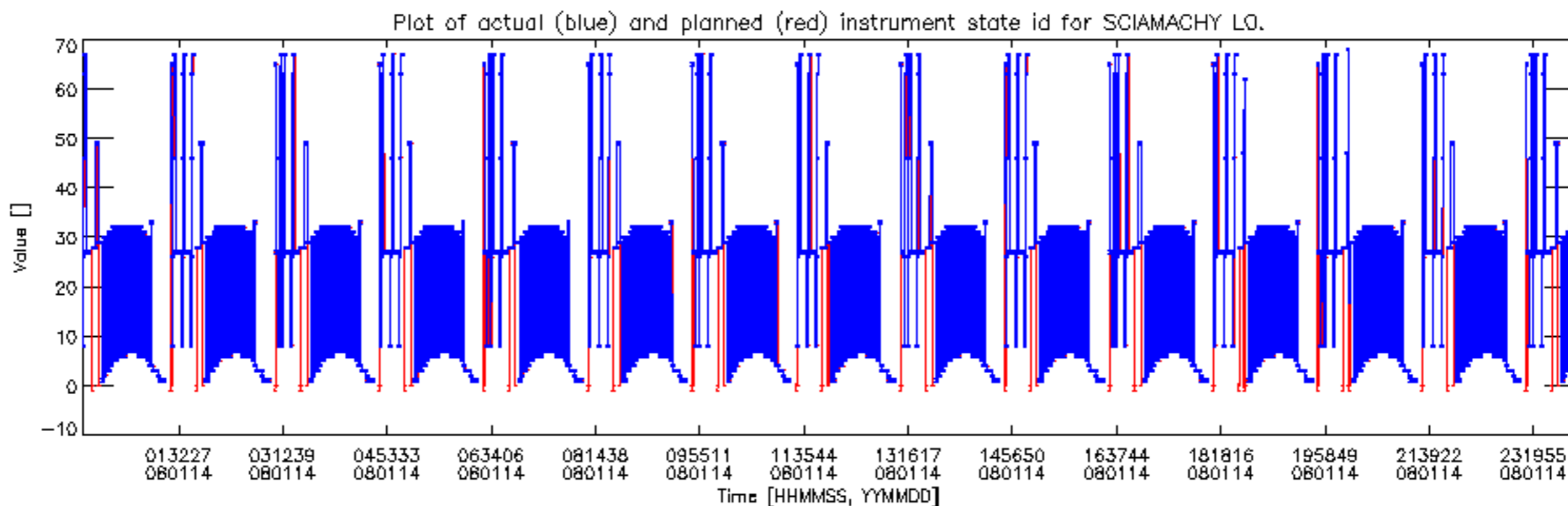












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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