

## 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	12JAN2008 09:03:51
Data source version	KSPT_L0/4302-N
Processing scope for products	08JAN2008 00:00:00 to 09JAN2008 00:00:00
Start time of first product within scope	07JAN2008 23:26:17
Stop time of last product within scope	09JAN2008 00:35:00
Total number of level 0 products	16
Number of level 0 products with errors	0

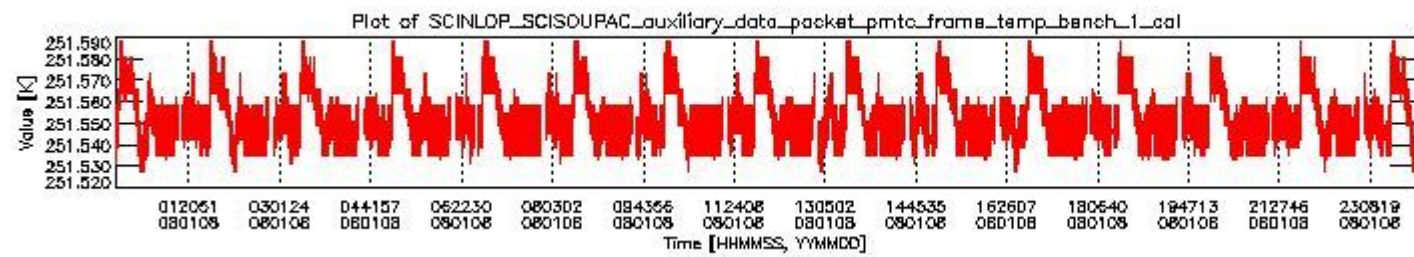
### 0.1.2 Summary per product

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

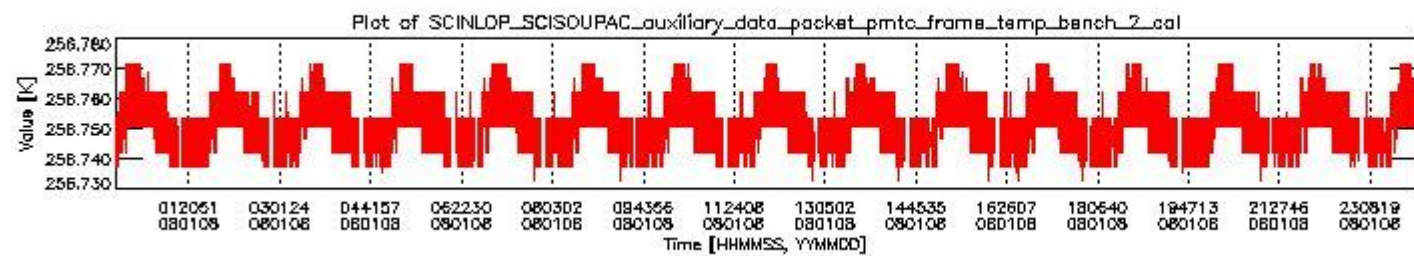
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080107_232617_000060232065_00001_30616_5896.N1	07JAN2008 23:26:17	08JAN2008 01:06:40	0	0	0	0	0
1	SCI_NL__OPNPDE20080108_010640_000047412065_00002_30617_5897.N1	08JAN2008 01:06:40	08JAN2008 02:25:40	0	0	0	0	0
2	SCI_NL__OPNPDE20080108_022432_000058432065_00003_30618_5898.N1	08JAN2008 02:24:32	08JAN2008 04:01:54	0	0	0	0	0
3	SCI_NL__OPNPDE20080108_040059_000061042065_00004_30619_5899.N1	08JAN2008 04:00:59	08JAN2008 05:42:43	0	0	0	0	0
4	SCI_NL__OPNPDE20080108_054243_000060922065_00005_30620_5900.N1	08JAN2008 05:42:43	08JAN2008 07:24:15	0	0	0	0	0
5	SCI_NL__OPNPDK20080108_072306_000039892065_00006_30621_7071.N1	08JAN2008 07:23:06	08JAN2008 08:29:35	0	0	0	0	0
6	SCI_NL__OPNPDK20080108_082839_000062162065_00007_30622_7072.N1	08JAN2008 08:28:39	08JAN2008 10:12:15	0	0	0	0	0
7	SCI_NL__OPNPDK20080108_101106_000058122065_00008_30623_7073.N1	08JAN2008 10:11:06	08JAN2008 11:47:59	0	0	0	0	0
8	SCI_NL__OPNPDK20080108_114541_000062292065_00009_30624_7074.N1	08JAN2008 11:45:41	08JAN2008 13:29:30	0	0	0	0	0
9	SCI_NL__OPNPDK20080108_132834_000058982065_00010_30625_7075.N1	08JAN2008 13:28:34	08JAN2008 15:06:52	0	0	0	0	0
10	SCI_NL__OPNPDK20080108_150652_000059232065_00011_30626_7076.N1	08JAN2008 15:06:52	08JAN2008 16:45:35	0	0	0	0	0
11	SCI_NL__OPNPDK20080108_164343_000060362065_00012_30627_7077.N1	08JAN2008 16:43:43	08JAN2008 18:24:19	0	0	0	0	0
12	SCI_NL__OPNPDK20080108_182419_000058422065_00013_30628_7078.N1	08JAN2008 18:24:19	08JAN2008 20:01:41	0	0	0	0	0
13	SCI_NL__OPNPDE20080108_200141_000043542065_00014_30629_5901.N1	08JAN2008 20:01:41	08JAN2008 21:14:15	0	0	0	0	0
14	SCI_NL__OPNPDE20080108_211306_000060902065_00014_30629_5902.N1	08JAN2008 21:13:06	08JAN2008 22:54:37	0	0	0	0	0
15	SCI_NL__OPNPDE20080108_225437_000060232065_00015_30630_5903.N1	08JAN2008 22:54:37	09JAN2008 00:35:00	0	0	0	0	0

## 0.2 Product Quality Indicators

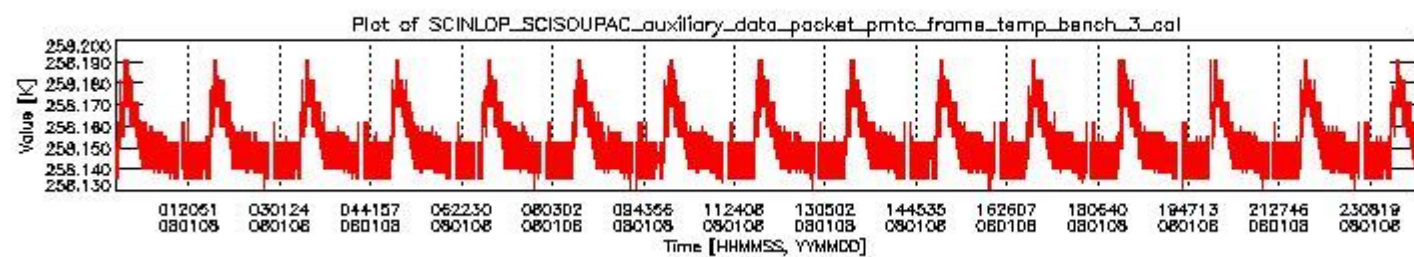
This section shows information about product quality, currently temperatures.



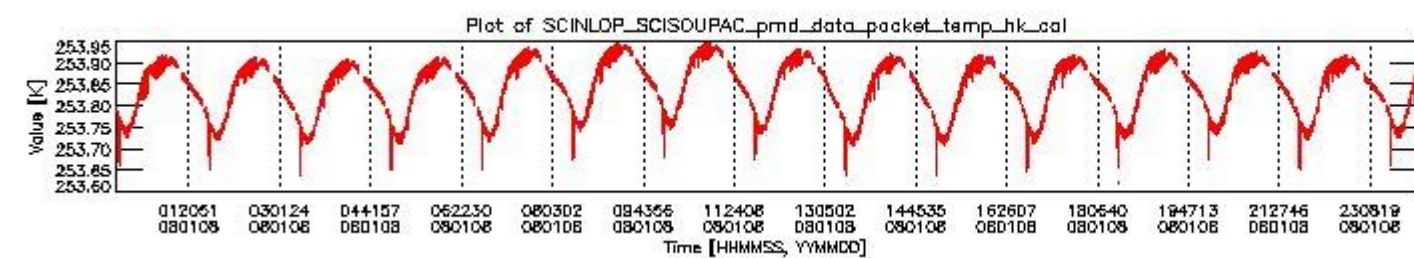
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20080108\_0.PNG



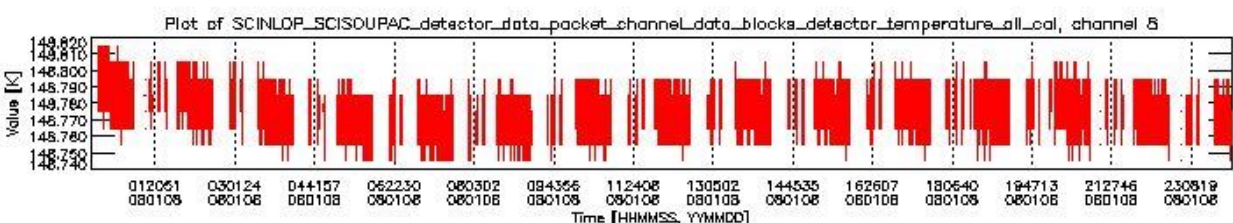
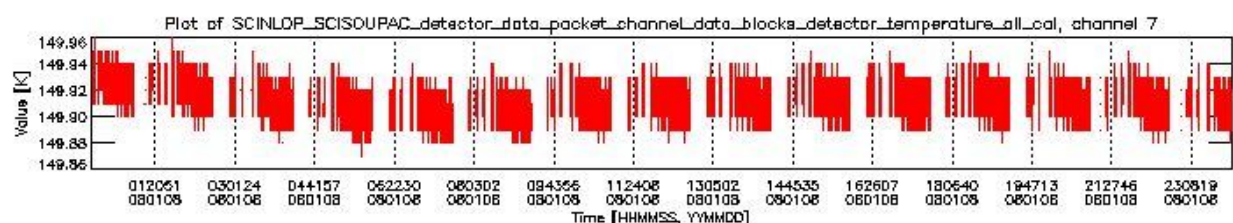
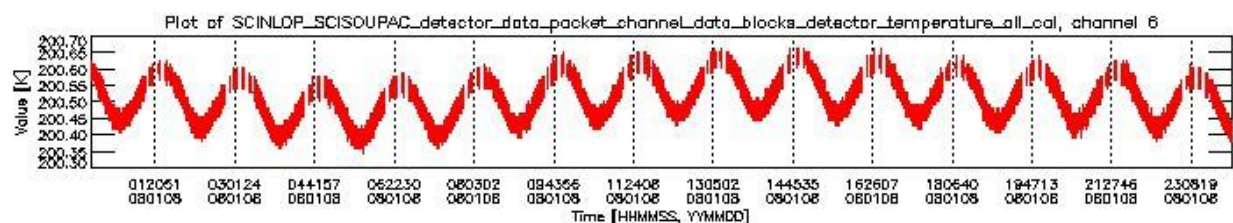
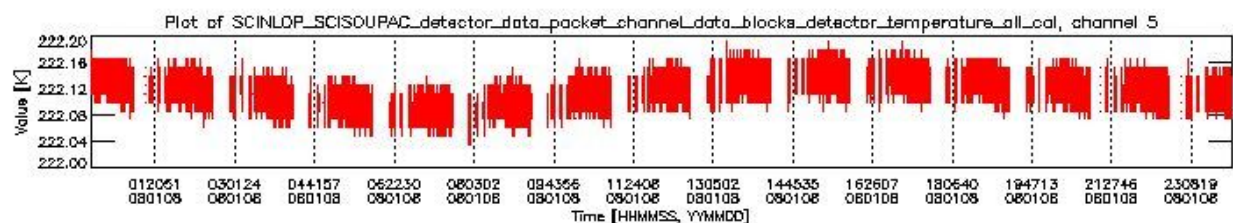
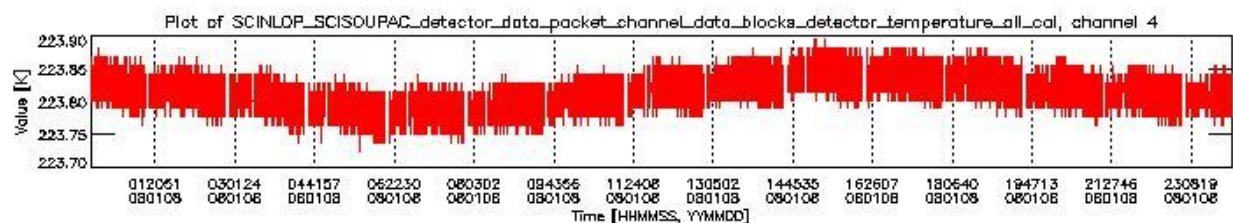
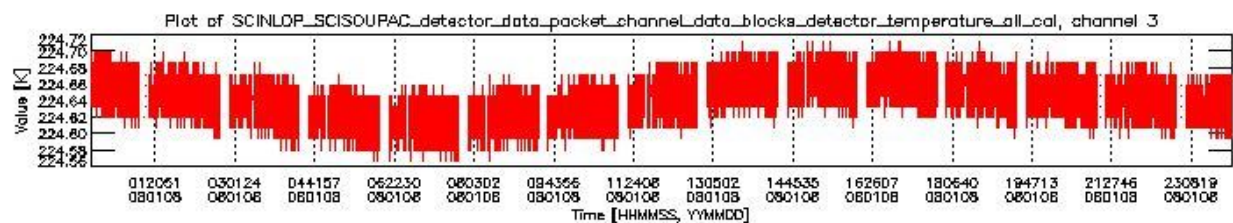
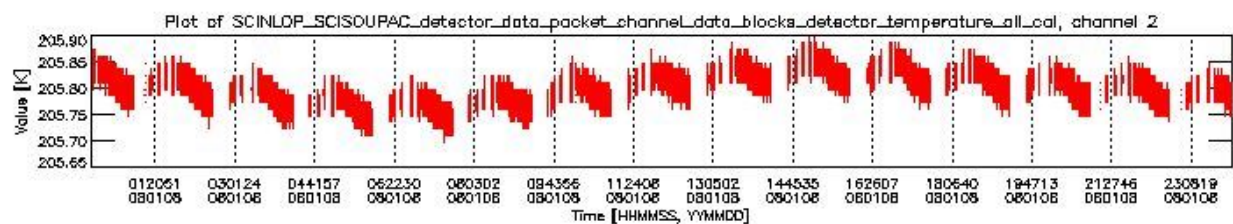
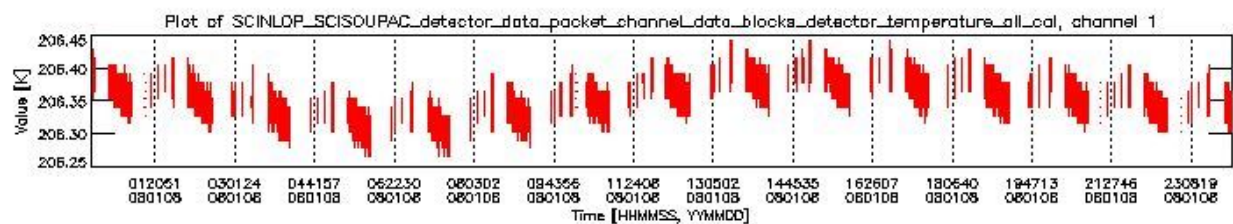
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20080108\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20080108\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20080108\_3.PNG

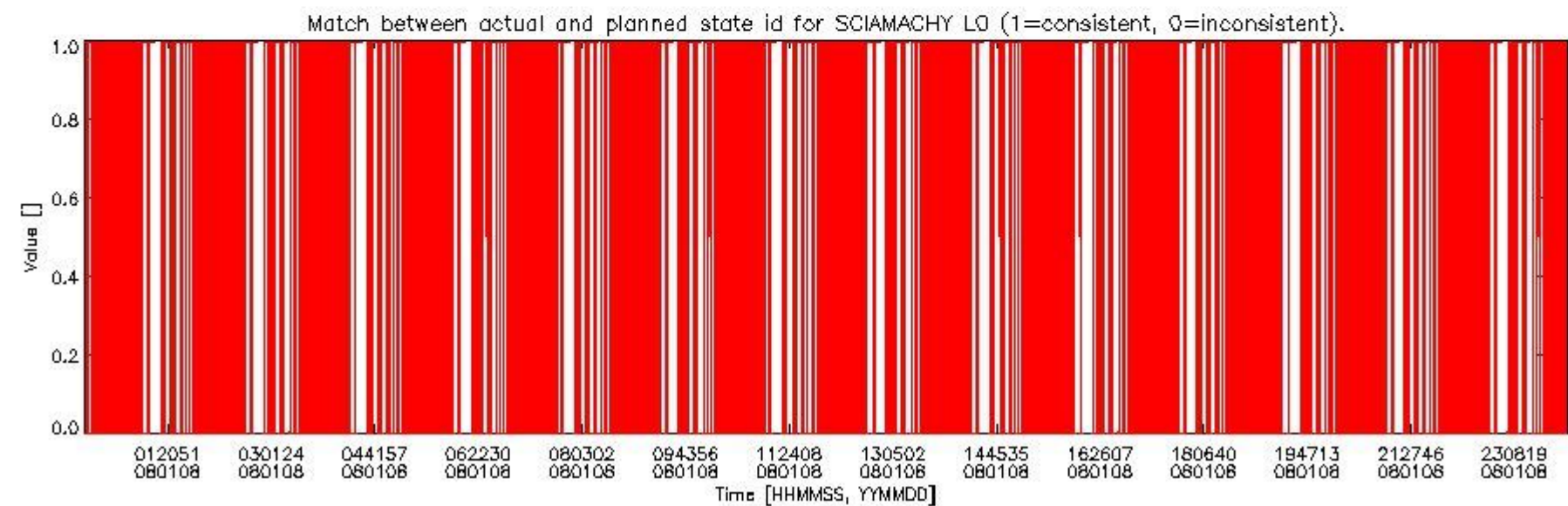
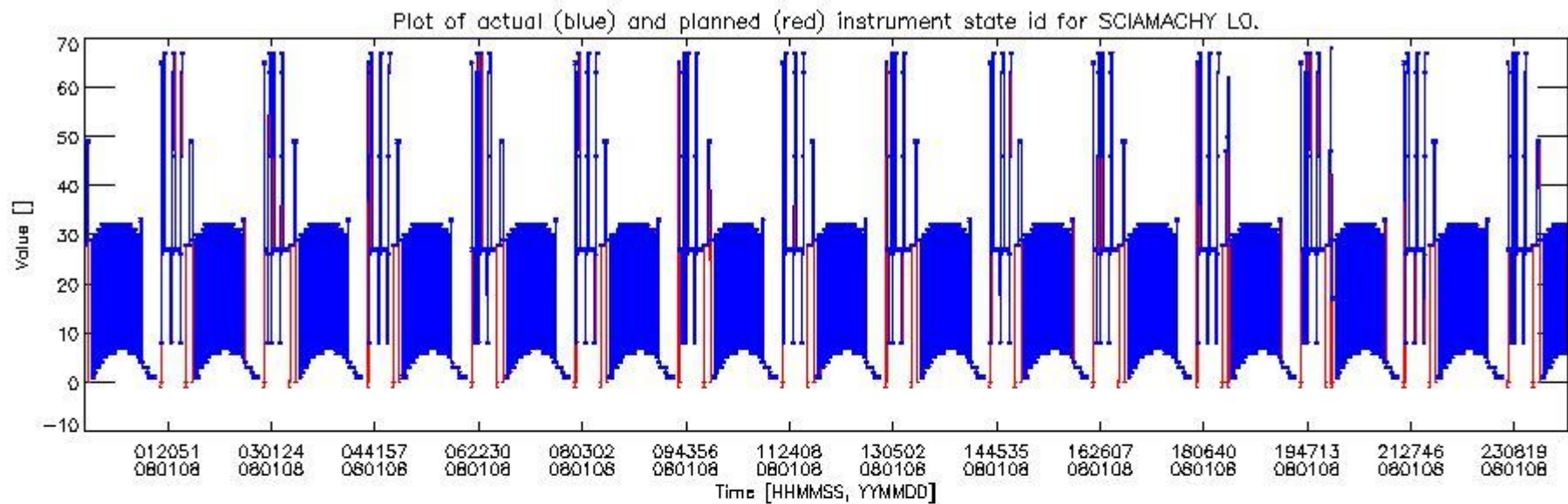


### 0.3 State monitoring

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: **38505**

#	Actual time	Actual value	Planned time	Planned value
0	08JAN2008 00:01:31.352431	49	08JAN2008 00:01:31.352431	28
1	08JAN2008 00:01:31.539958	49	08JAN2008 00:01:31.539958	28
2	08JAN2008 00:01:31.602440	49	08JAN2008 00:01:31.602440	28
3	08JAN2008 00:01:31.664962	49	08JAN2008 00:01:31.664962	28
4	08JAN2008 00:01:31.727445	49	08JAN2008 00:01:31.727445	28
5	08JAN2008 00:01:31.789967	49	08JAN2008 00:01:31.789967	28
6	08JAN2008 00:01:31.852449	49	08JAN2008 00:01:31.852449	28
7	08JAN2008 00:01:31.914931	49	08JAN2008 00:01:31.914931	28
8	08JAN2008 00:01:31.977453	49	08JAN2008 00:01:31.977453	28
9	08JAN2008 00:01:32.039935	49	08JAN2008 00:01:32.039935	28
10	08JAN2008 00:01:32.102458	49	08JAN2008 00:01:32.102458	28
11	08JAN2008 00:01:32.164940	49	08JAN2008 00:01:32.164940	28
12	08JAN2008 00:01:32.227462	49	08JAN2008 00:01:32.227462	28
13	08JAN2008 00:01:32.289944	49	08JAN2008 00:01:32.289944	28
14	08JAN2008 00:01:32.352466	49	08JAN2008 00:01:32.352466	28
15	08JAN2008 00:01:32.414948	49	08JAN2008 00:01:32.414948	28
16	08JAN2008 00:01:32.477430	49	08JAN2008 00:01:32.477430	28
17	08JAN2008 00:01:32.539953	49	08JAN2008 00:01:32.539953	28
18	08JAN2008 00:01:32.602435	49	08JAN2008 00:01:32.602435	28
19	08JAN2008 00:01:32.664957	49	08JAN2008 00:01:32.664957	28
	...	...	...	...

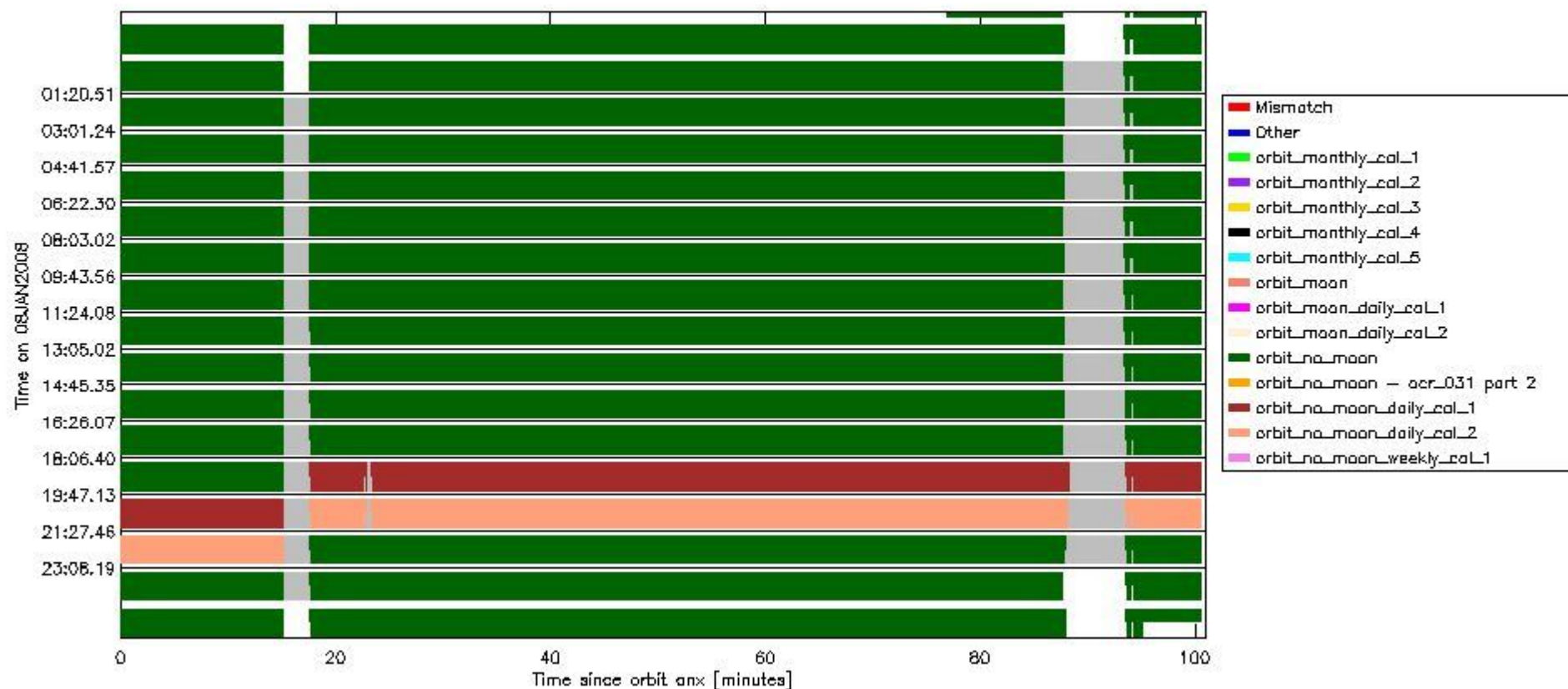


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20080108\_5.PNG

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 08JAN2008.  
 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\_20080108\_6.PNG

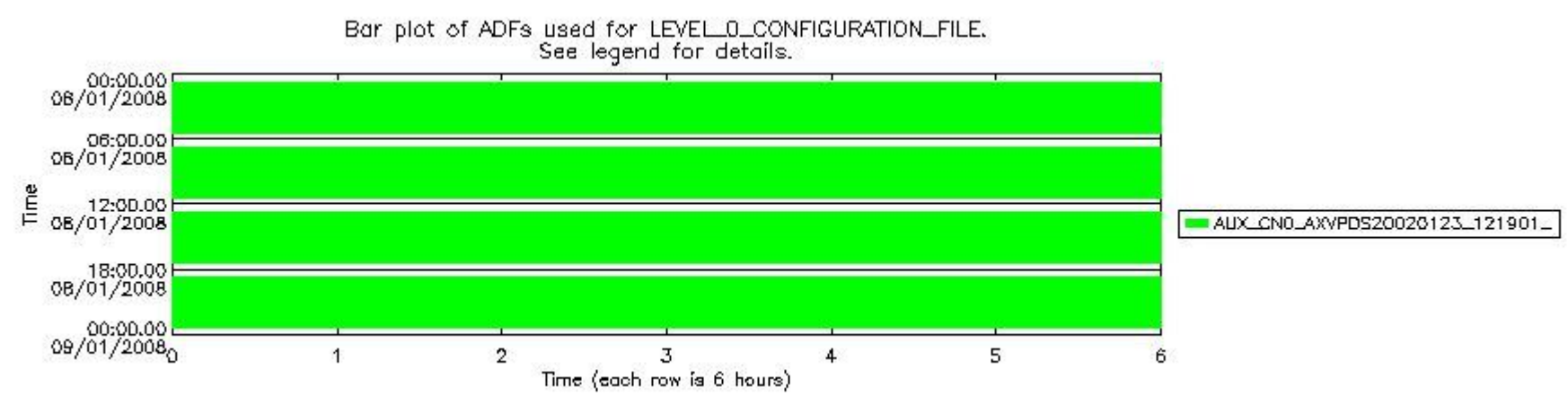
## 0.4 ADF monitoring

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

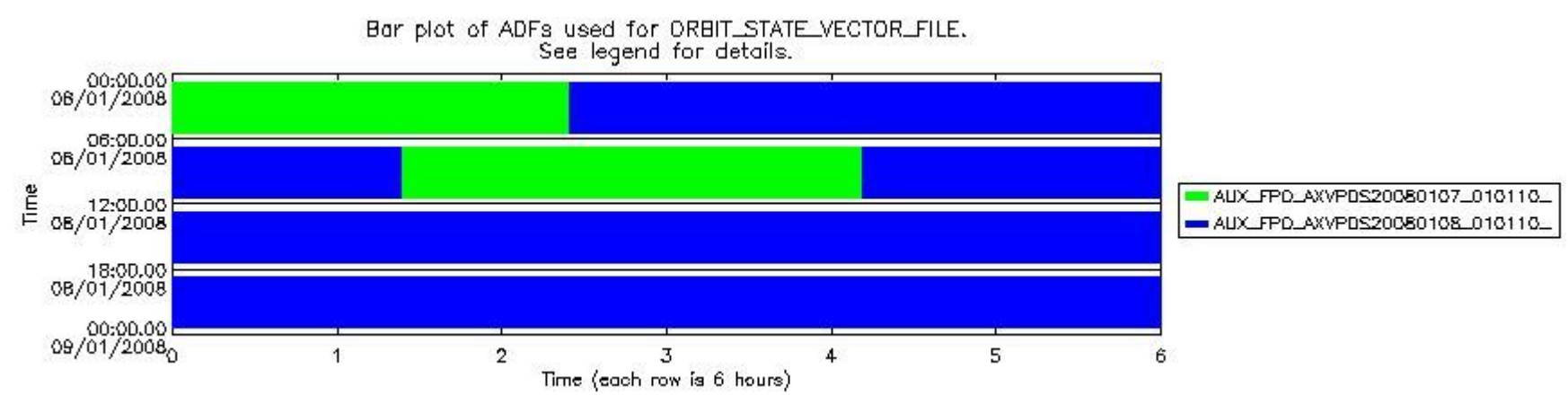
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

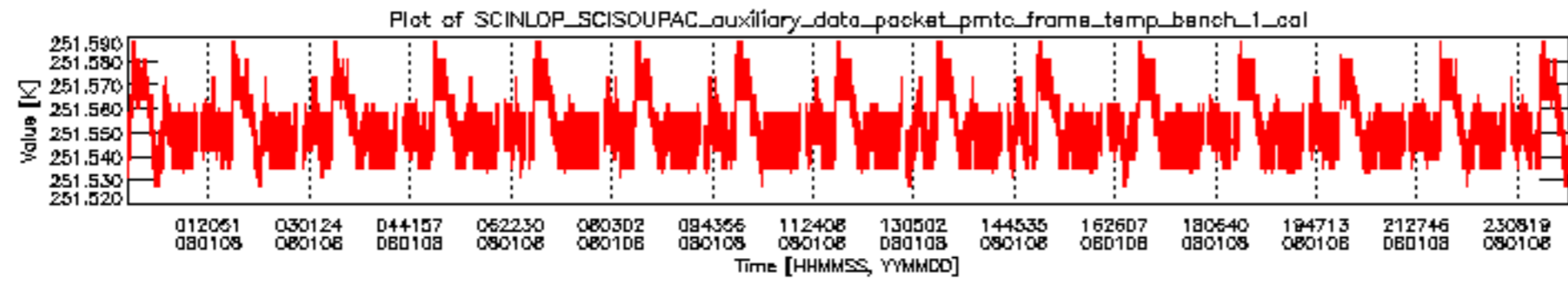
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20080107_010110_20080106_190956_20080116_203609
2	AUX_FPO_AXVPDS20080108_010110_20080107_183819_20080117_200432



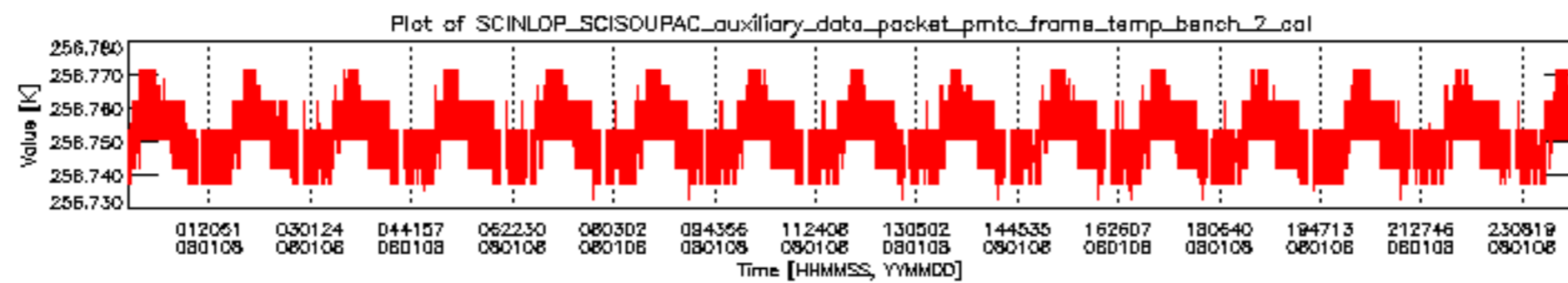
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20080108\_7.PNG

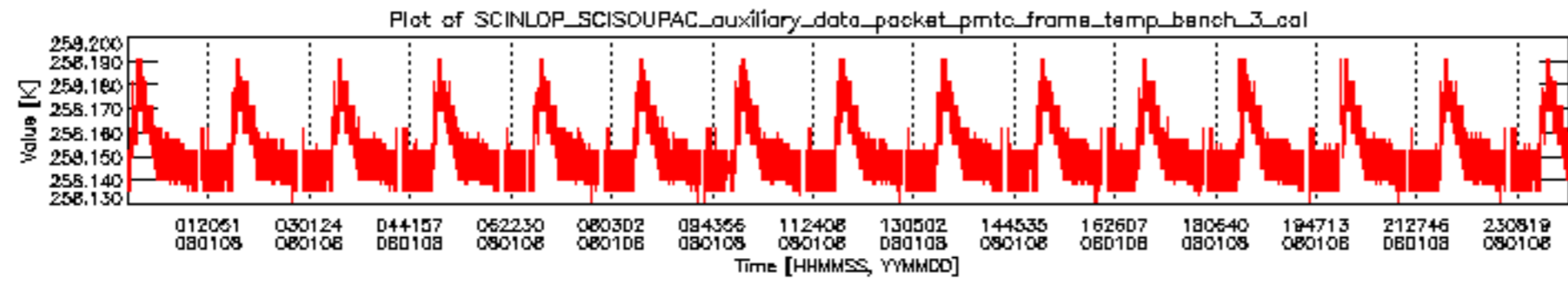


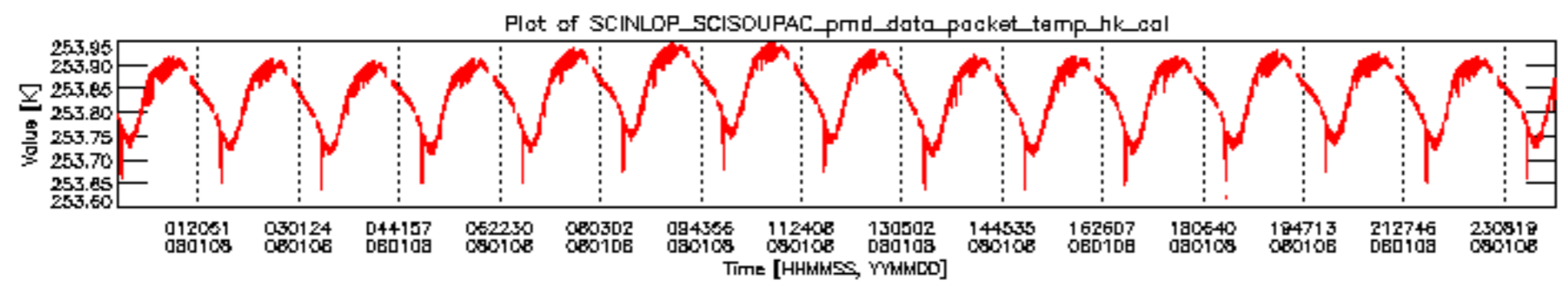
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20080108\_8.PNG

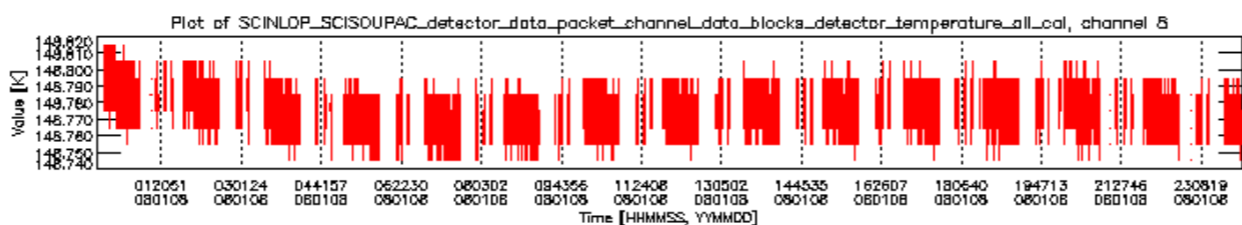
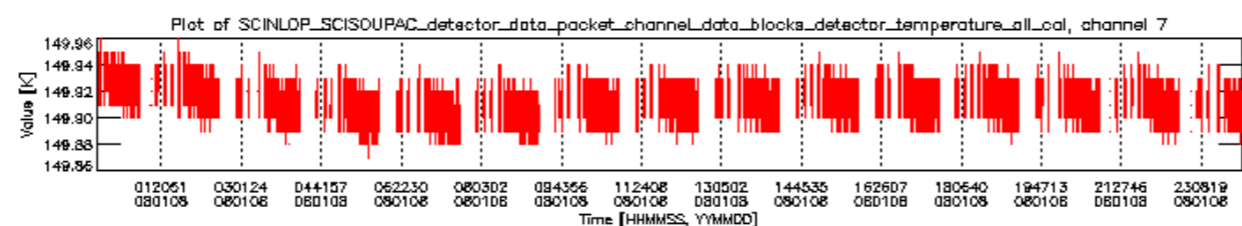
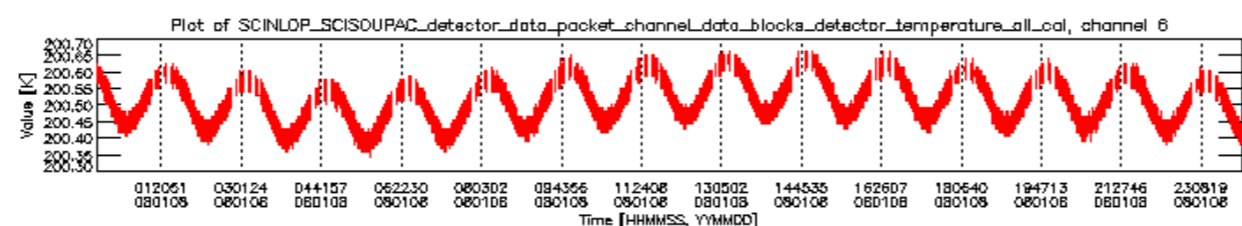
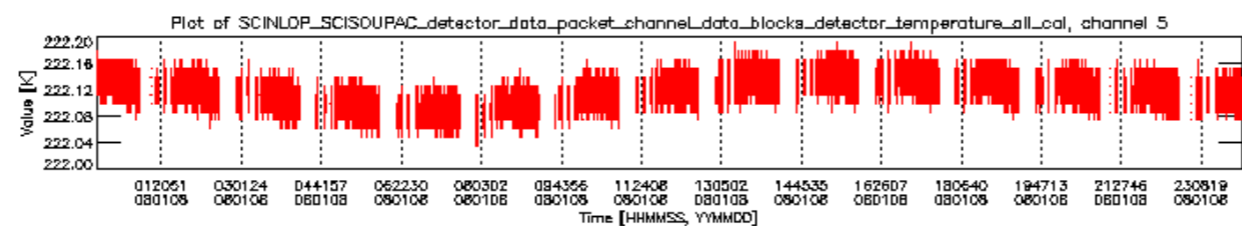
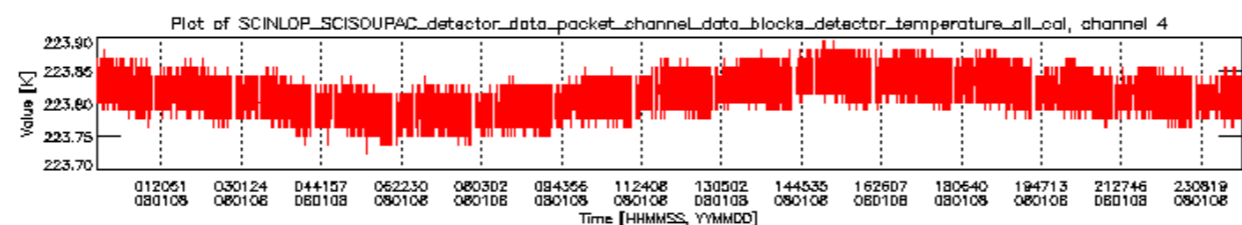
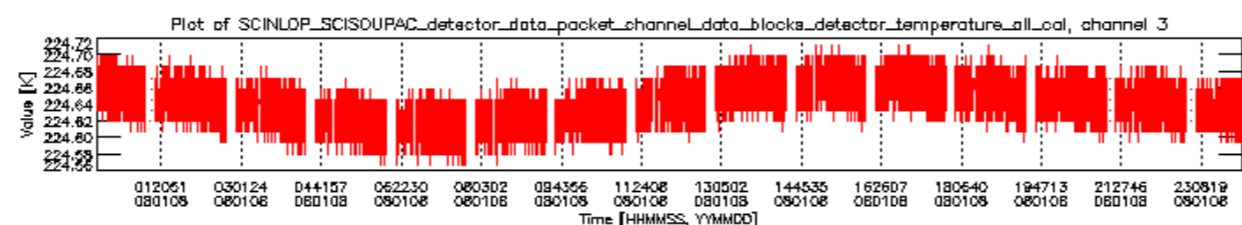
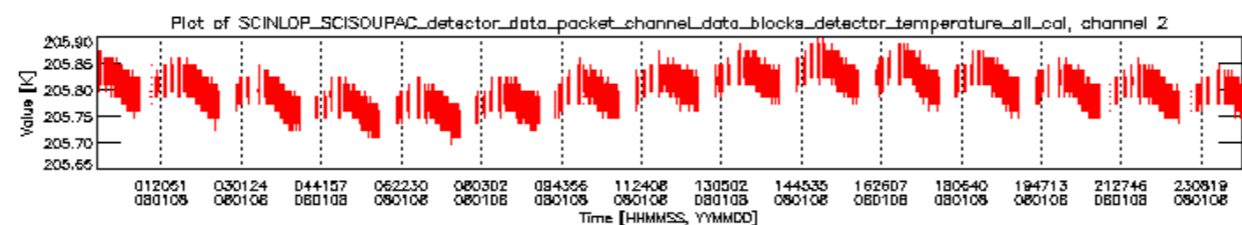
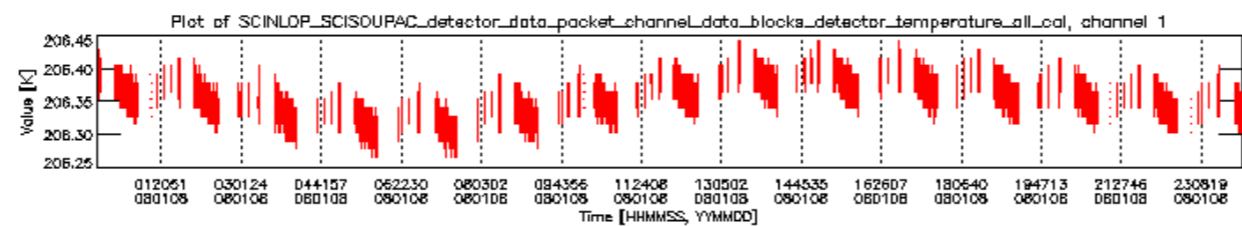


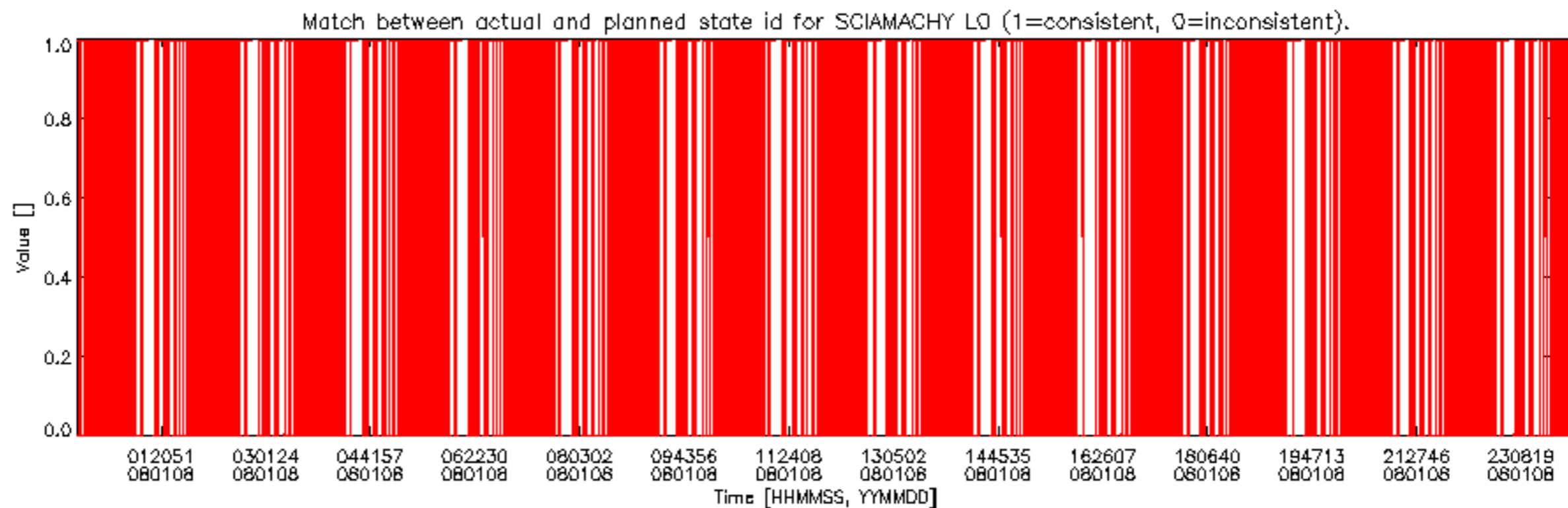
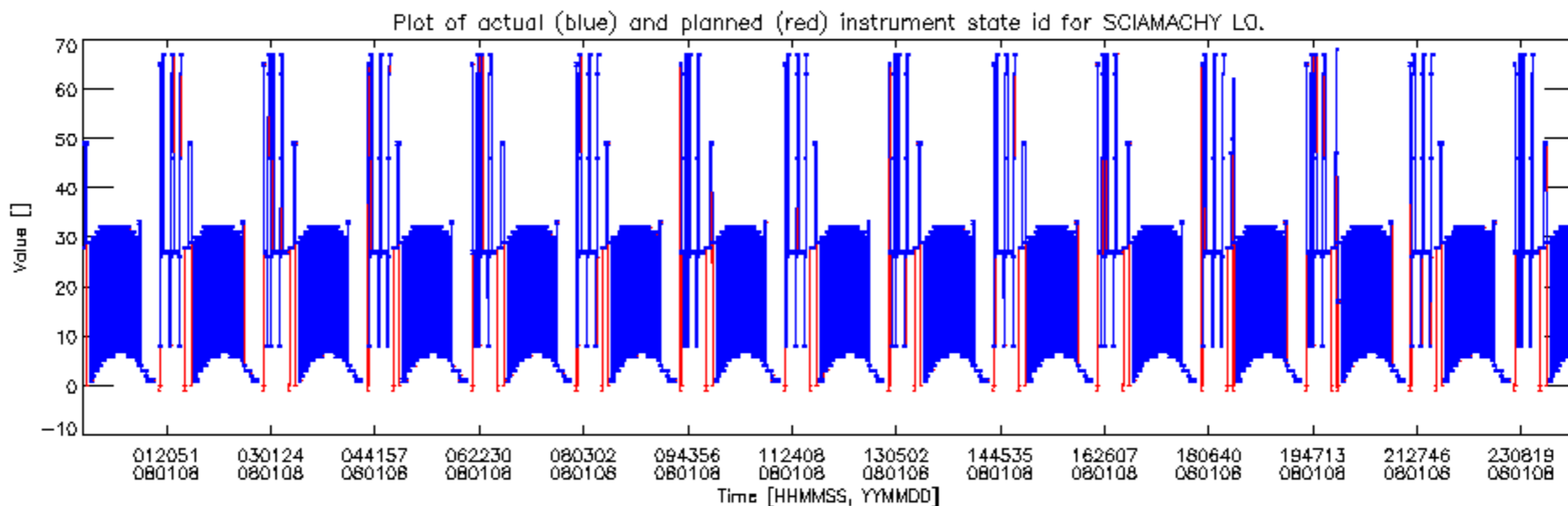












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 08JAN2008.  
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