

## 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	19FEB2008 05:11:10
Data source version	KSPT_L0/4303-N
Processing scope for products	15FEB2008 00:00:00 to 16FEB2008 00:00:00
Start time of first product within scope	14FEB2008 23:36:00
Stop time of last product within scope	16FEB2008 00:39:41
Total number of level 0 products	15
Number of level 0 products with errors	0

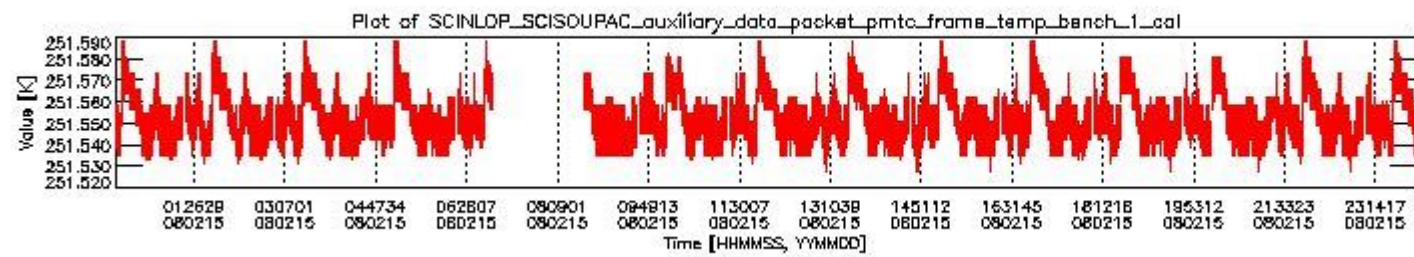
### 0.1.2 Summary per product

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

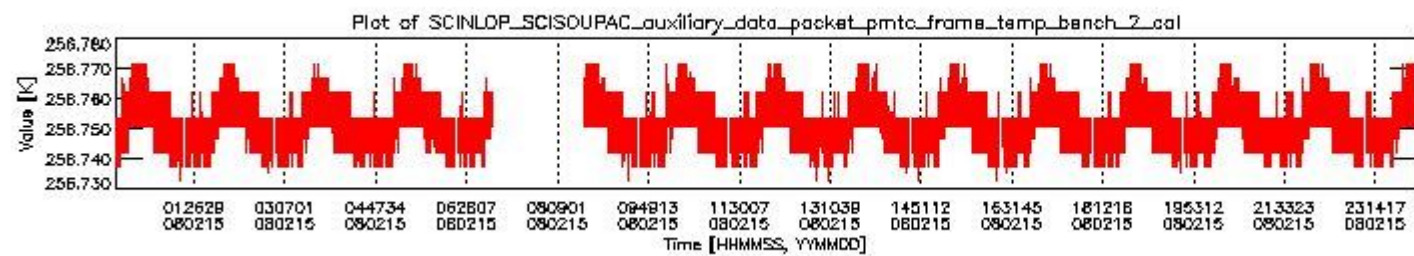
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080214_233600_000057552066_00044_31160_6138.N1	14FEB2008 23:36:00	15FEB2008 01:11:54	0	0	0	0	0
1	SCI_NL__OPNPDE20080215_011046_000048152066_00045_31161_6139.N1	15FEB2008 01:10:46	15FEB2008 02:31:01	0	0	0	0	0
2	SCI_NL__OPNPDE20080215_022953_000058552066_00046_31162_6140.N1	15FEB2008 02:29:53	15FEB2008 04:07:28	0	0	0	0	0
3	SCI_NL__OPNPDE20080215_040728_000060912066_00047_31163_6141.N1	15FEB2008 04:07:28	15FEB2008 05:48:59	0	0	0	0	0
4	SCI_NL__OPNPDK20080215_054859_000040452066_00048_31164_7396.N1	15FEB2008 05:48:59	15FEB2008 06:56:24	0	0	0	0	0
5	SCI_NL__OPNPDK20080215_083808_000059112066_00050_31166_7397.N1	15FEB2008 08:38:08	15FEB2008 10:16:39	0	0	0	0	0
6	SCI_NL__OPNPDK20080215_101434_000060912066_00051_31167_7398.N1	15FEB2008 10:14:34	15FEB2008 11:56:06	0	0	0	0	0
7	SCI_NL__OPNPDK20080215_115401_000061602066_00052_31168_7399.N1	15FEB2008 11:54:01	15FEB2008 13:36:41	0	0	0	0	0
8	SCI_NL__OPNPDK20080215_133545_000059672066_00053_31169_7400.N1	15FEB2008 13:35:45	15FEB2008 15:15:12	0	0	0	0	0
9	SCI_NL__OPNPDK20080215_151320_000057862066_00054_31170_7401.N1	15FEB2008 15:13:20	15FEB2008 16:49:46	0	0	0	0	0
10	SCI_NL__OPNPDK20080215_164946_000060362066_00055_31171_7402.N1	15FEB2008 16:49:46	15FEB2008 18:30:22	0	0	0	0	0
11	SCI_NL__OPNPDK20080215_183022_000058112066_00056_31172_7403.N1	15FEB2008 18:30:22	15FEB2008 20:07:13	0	0	0	0	0
12	SCI_NL__OPNPDE20080215_200713_000042832066_00057_31173_6142.N1	15FEB2008 20:07:13	15FEB2008 21:18:36	0	0	0	0	0
13	SCI_NL__OPNPDE20080215_212340_000057282066_00057_31173_6143.N1	15FEB2008 21:23:40	15FEB2008 22:59:09	0	0	0	0	0
14	SCI_NL__OPNPDE20080215_230416_000057252066_00058_31174_6264.N1	15FEB2008 23:04:16	16FEB2008 00:39:41	0	0	0	0	0

## 0.2 Product Quality Indicators

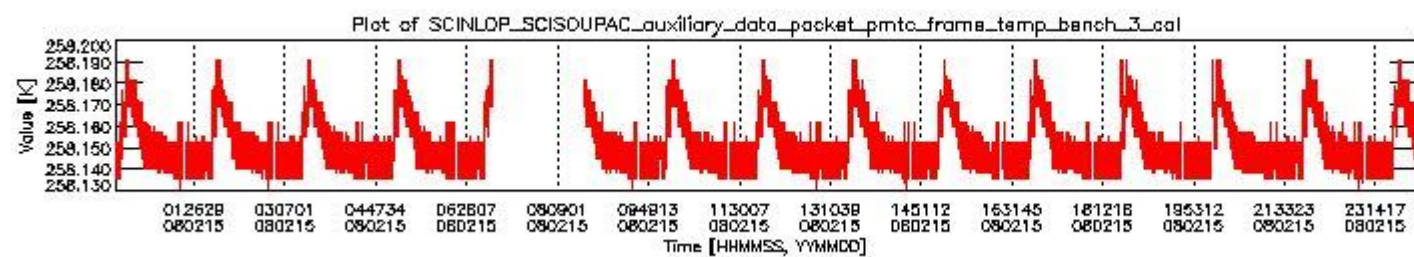
This section shows information about product quality, currently temperatures.



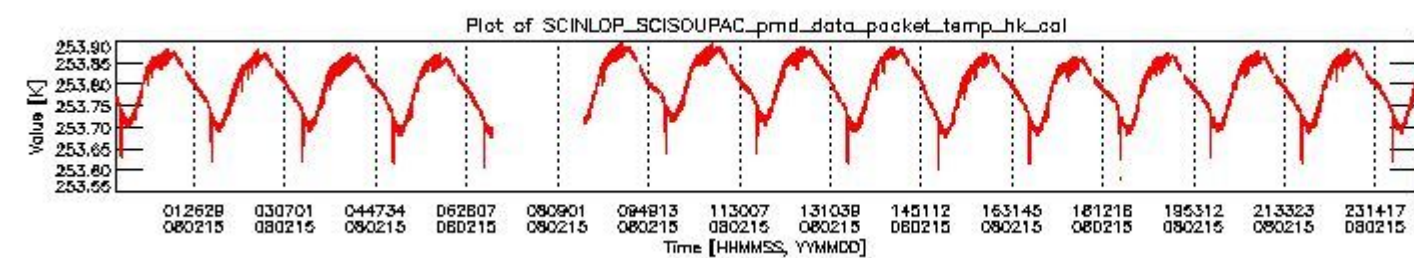
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080215\_0.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080215\_1.PNG

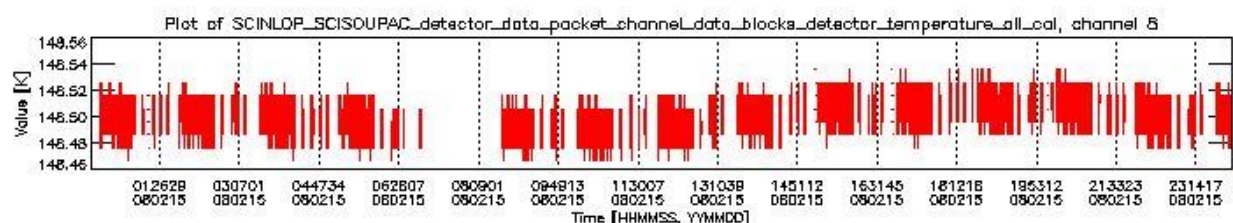
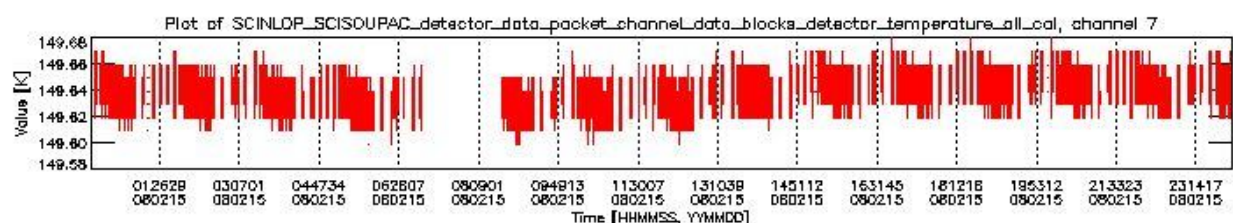
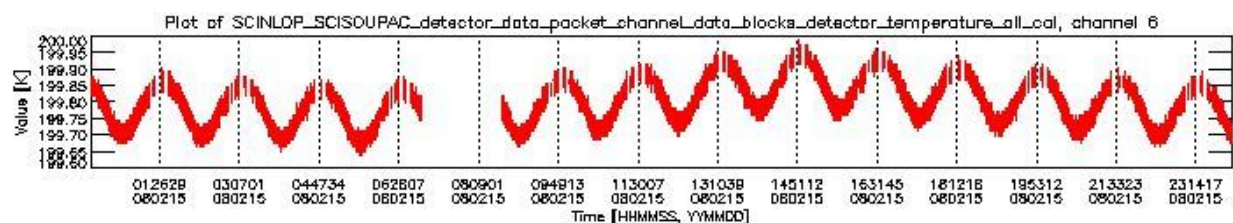
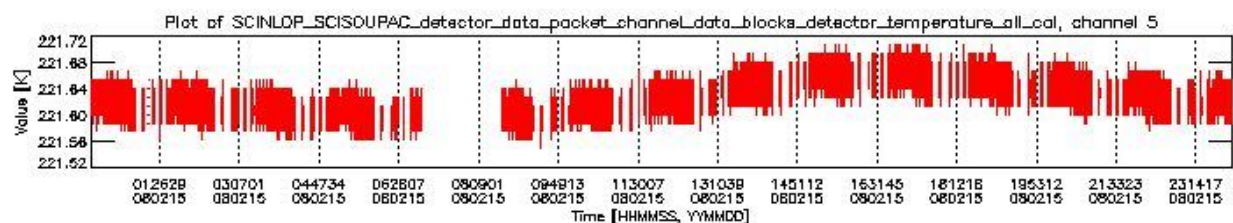
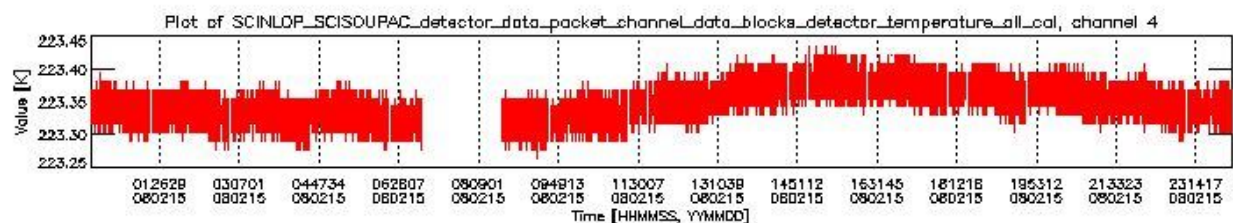
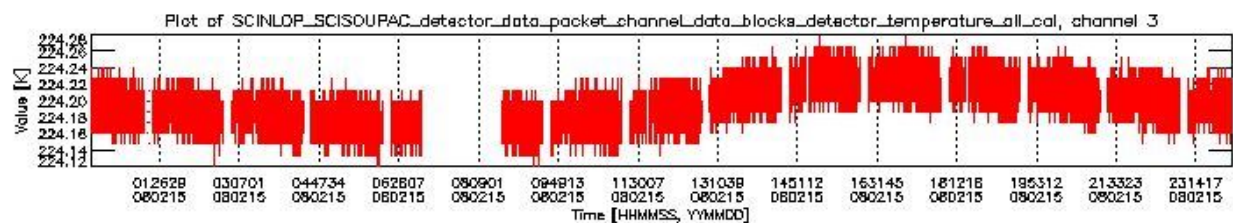
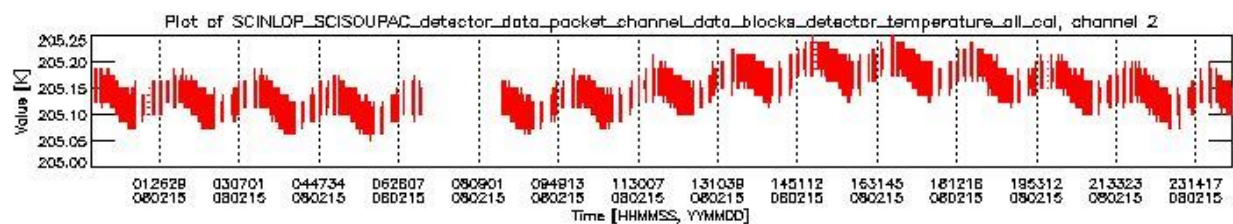
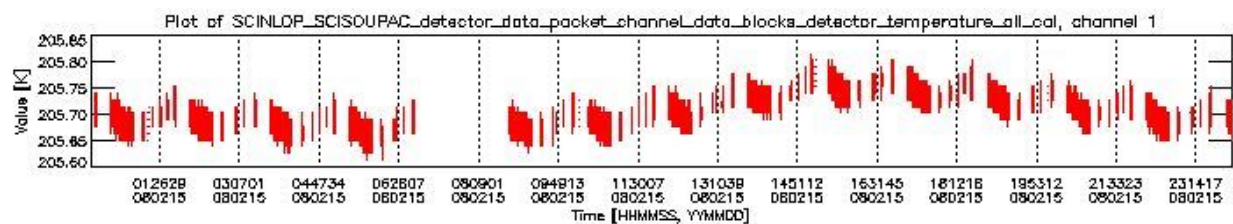


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080215\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080215\_3.PNG



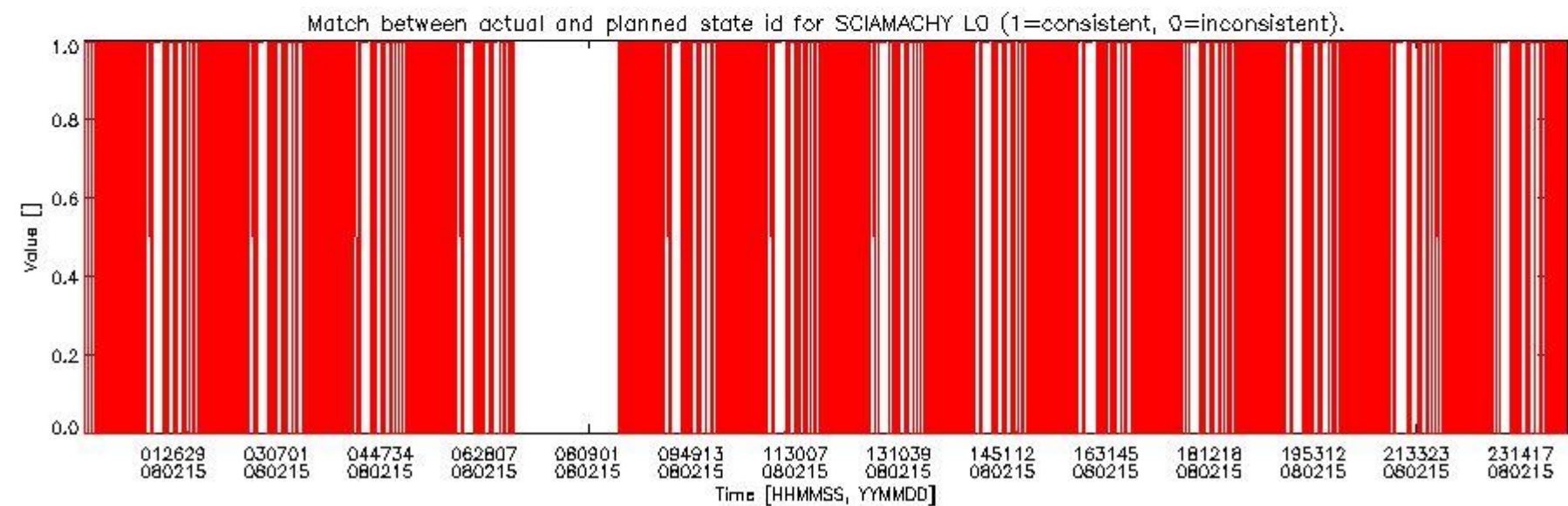
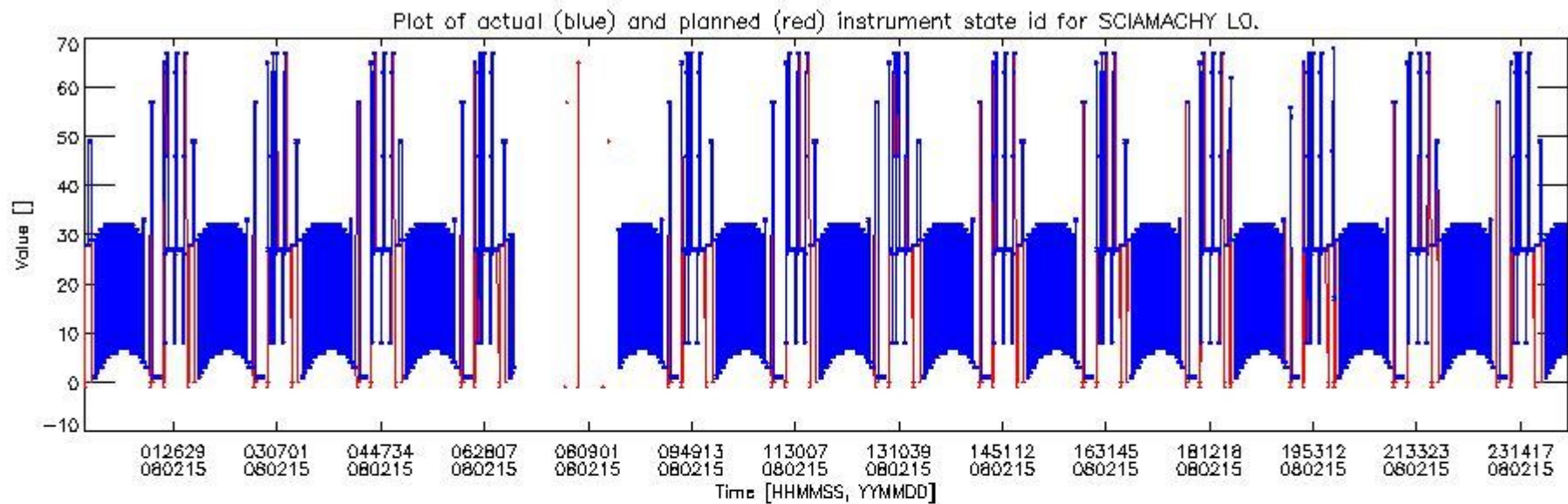


### 0.3 State monitoring

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: **40587**

#	Actual time	Actual value	Planned time	Planned value
0	15FEB2008 00:00:07.591389	28	15FEB2008 00:00:07.591389	0
1	15FEB2008 00:00:08.216371	28	15FEB2008 00:00:08.216371	0
2	15FEB2008 00:00:08.591384	28	15FEB2008 00:00:08.591384	0
3	15FEB2008 00:00:08.966397	28	15FEB2008 00:00:08.966397	0
4	15FEB2008 00:00:09.528896	28	15FEB2008 00:00:09.528896	0
5	15FEB2008 00:00:09.903869	28	15FEB2008 00:00:09.903869	0
6	15FEB2008 00:00:10.278882	28	15FEB2008 00:00:10.278882	0
7	15FEB2008 00:00:10.653895	28	15FEB2008 00:00:10.653895	0
8	15FEB2008 00:00:11.216395	28	15FEB2008 00:00:11.216395	0
9	15FEB2008 00:00:11.591367	28	15FEB2008 00:00:11.591367	0
10	15FEB2008 00:00:11.966380	28	15FEB2008 00:00:11.966380	0
11	15FEB2008 00:00:12.341394	28	15FEB2008 00:00:12.341394	0
12	15FEB2008 00:00:12.591362	28	15FEB2008 00:00:12.591362	0
13	15FEB2008 00:00:12.903893	28	15FEB2008 00:00:12.903893	0
14	15FEB2008 00:00:13.278866	28	15FEB2008 00:00:13.278866	0
15	15FEB2008 00:00:13.653879	28	15FEB2008 00:00:13.653879	0
16	15FEB2008 00:00:14.028892	28	15FEB2008 00:00:14.028892	0
17	15FEB2008 00:00:14.591391	28	15FEB2008 00:00:14.591391	0
18	15FEB2008 00:00:14.966364	28	15FEB2008 00:00:14.966364	0
19	15FEB2008 00:00:15.341377	28	15FEB2008 00:00:15.341377	0
...	...	...	...	...



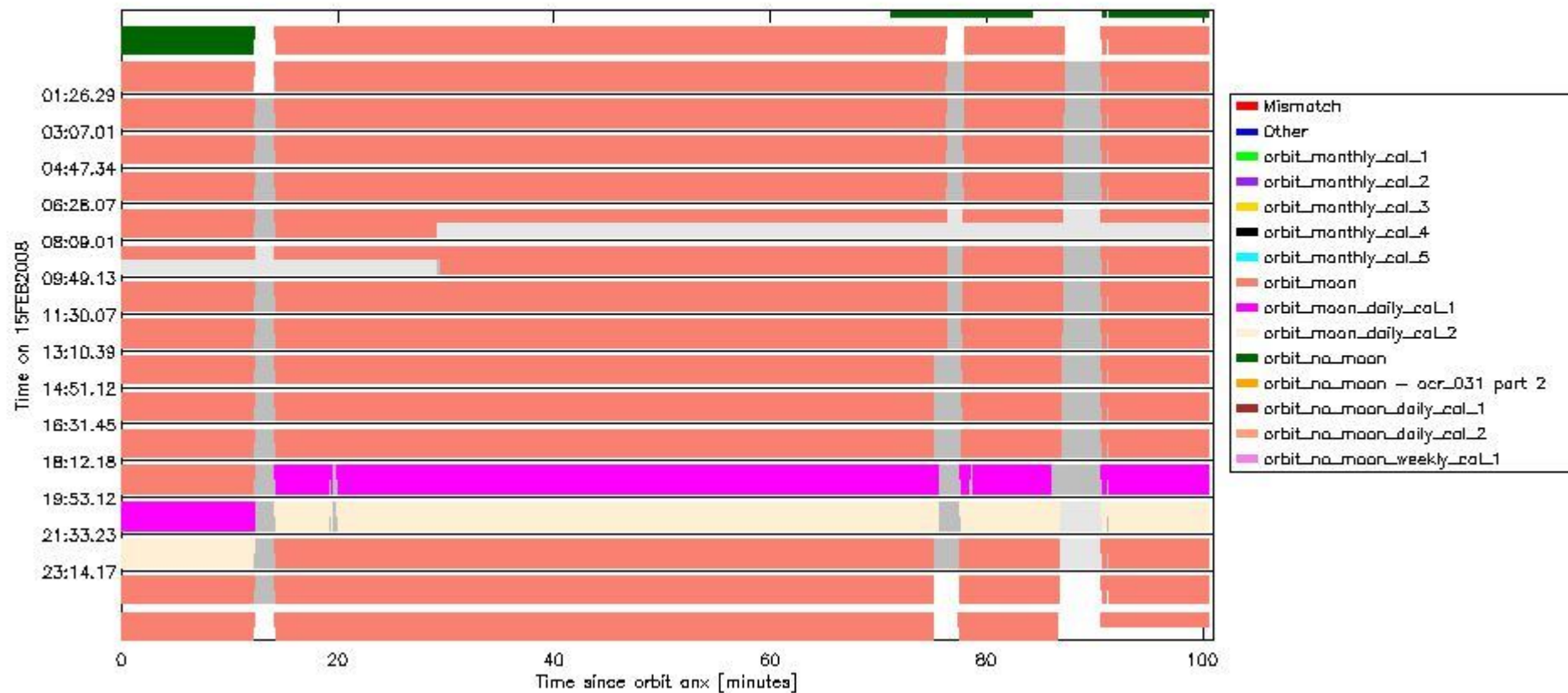
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080215\_5.PNG

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 15FEB2008.  
 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\_20080215\_6.PNG

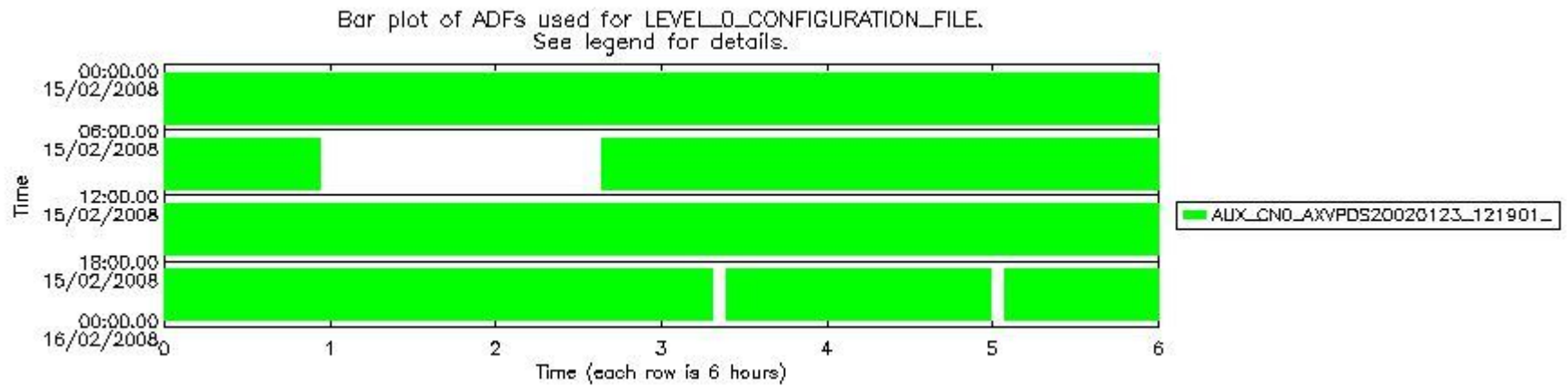
## 0.4 ADF monitoring

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

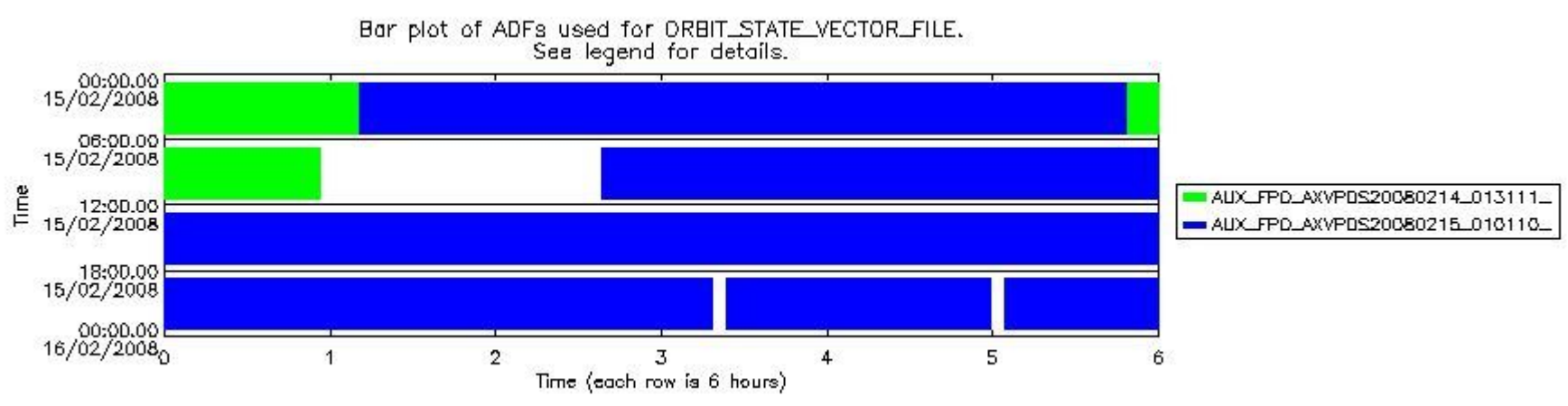
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

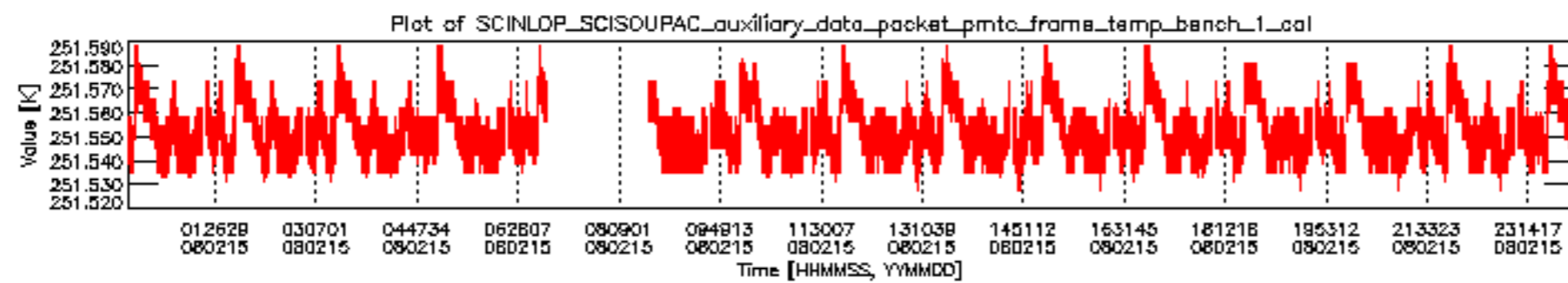
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20080214_013111_20080213_191539_20080223_204153
2	AUX_FPO_AXVPDS20080215_010110_20080214_184402_20080224_201017



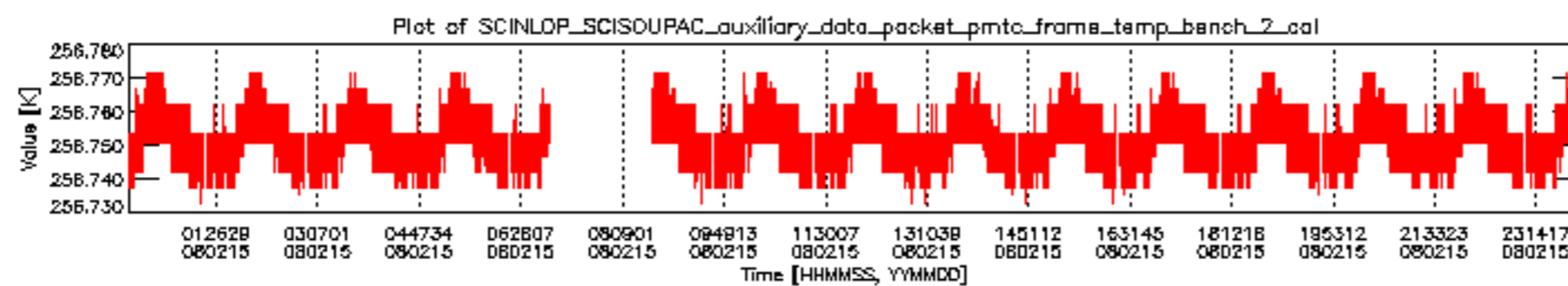
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080215\_7.PNG

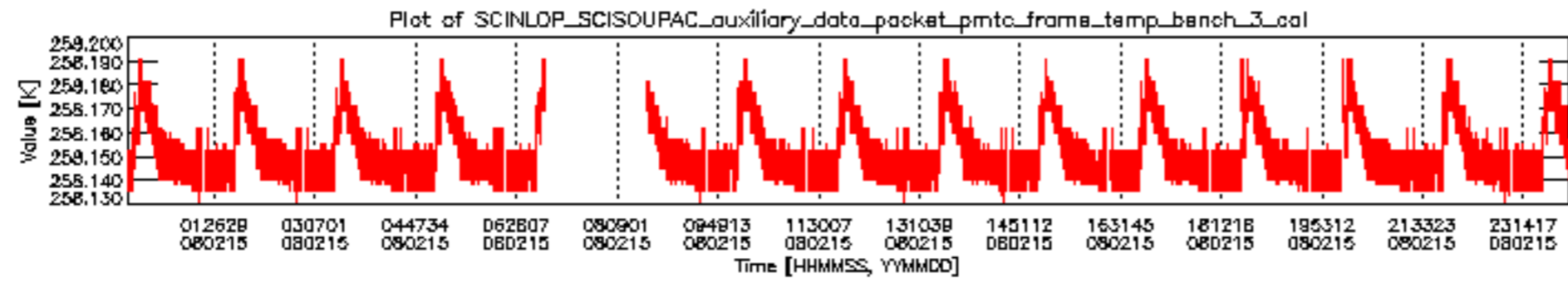


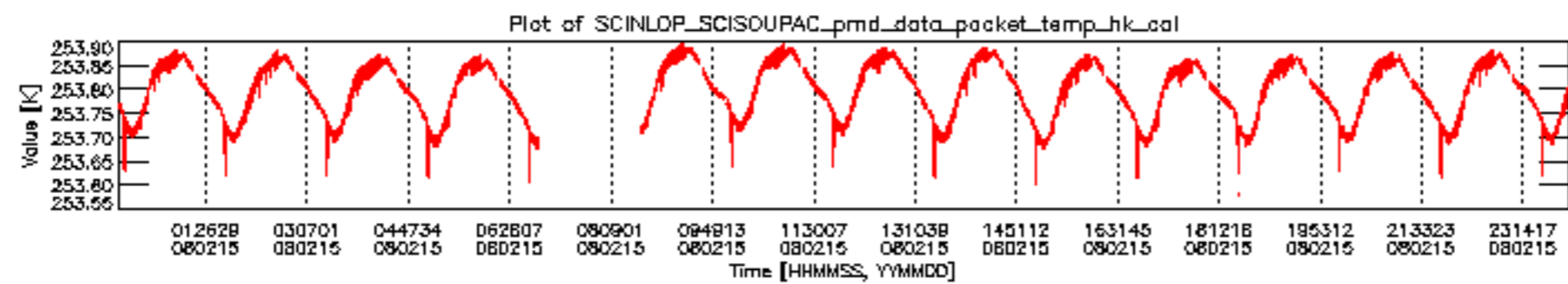
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080215\_8.PNG

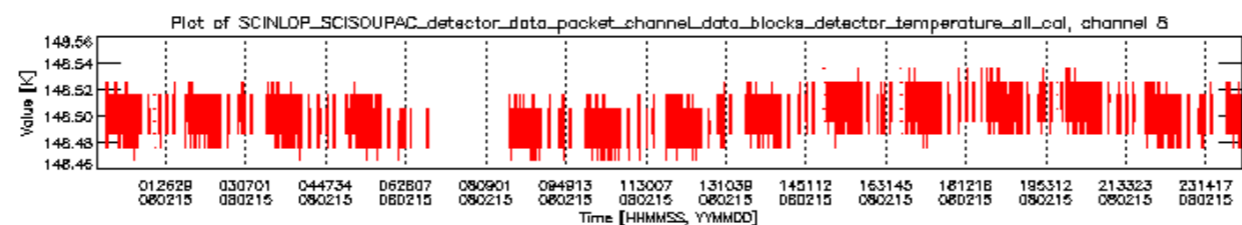
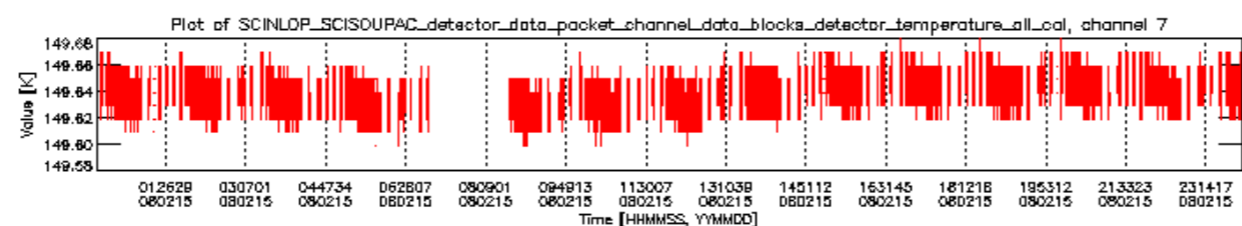
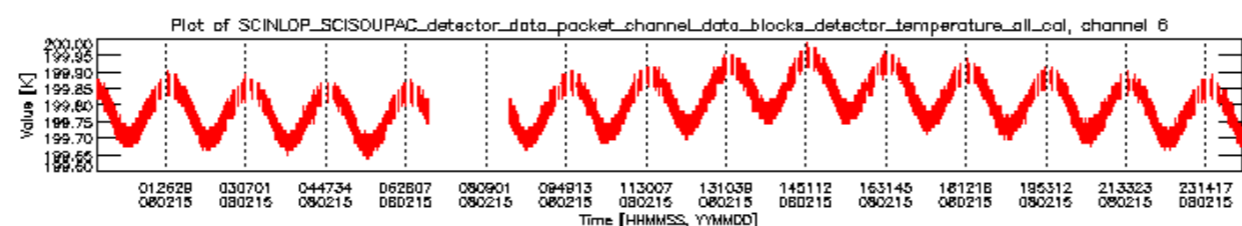
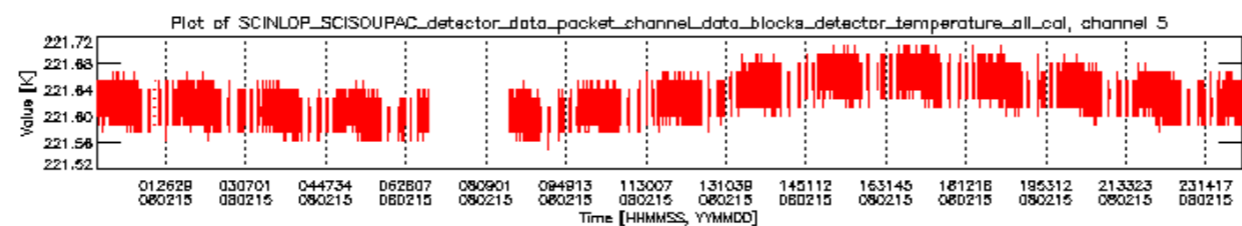
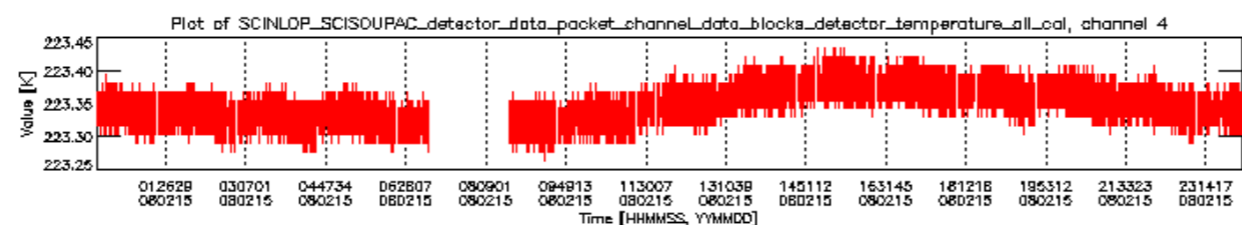
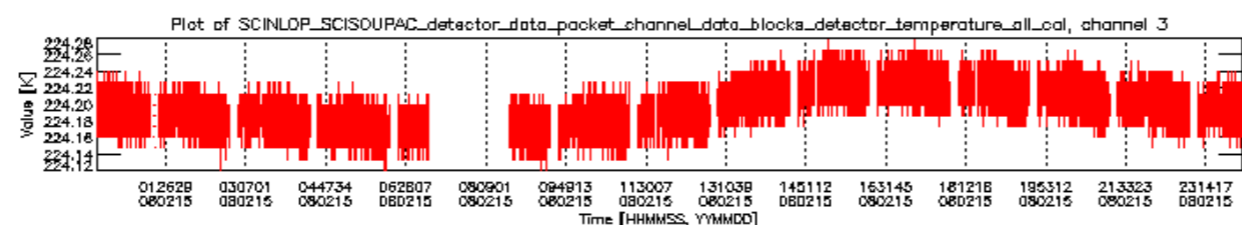
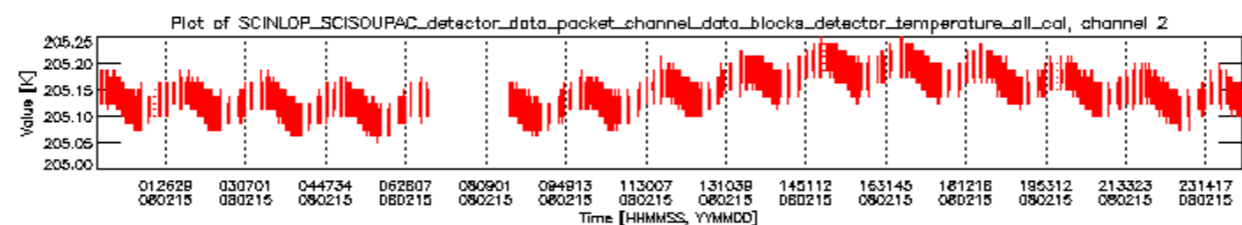
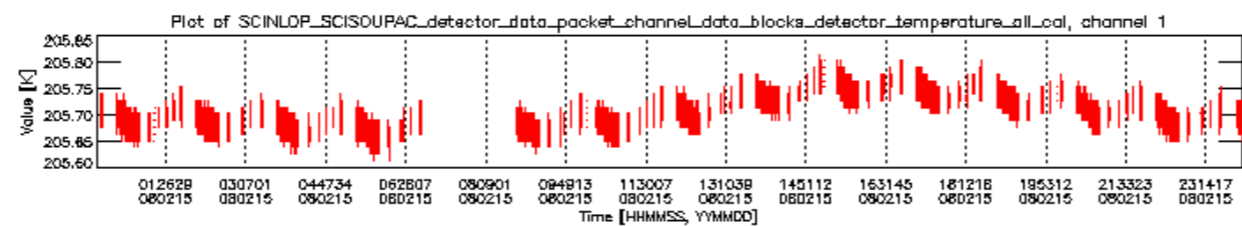




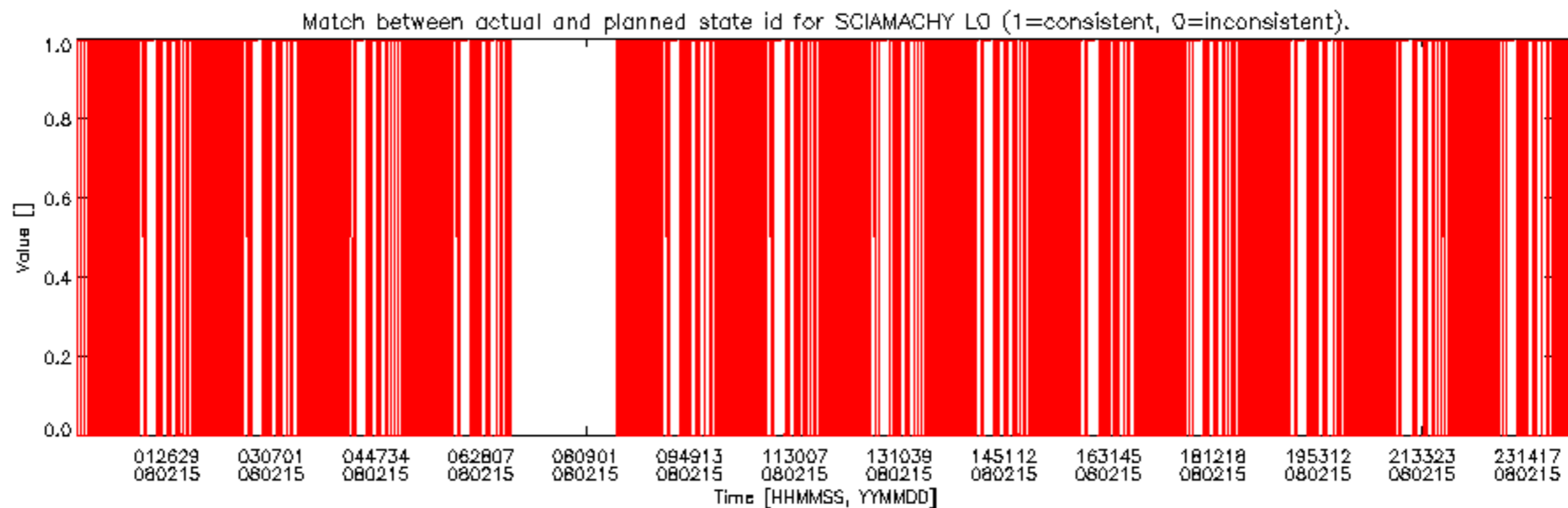
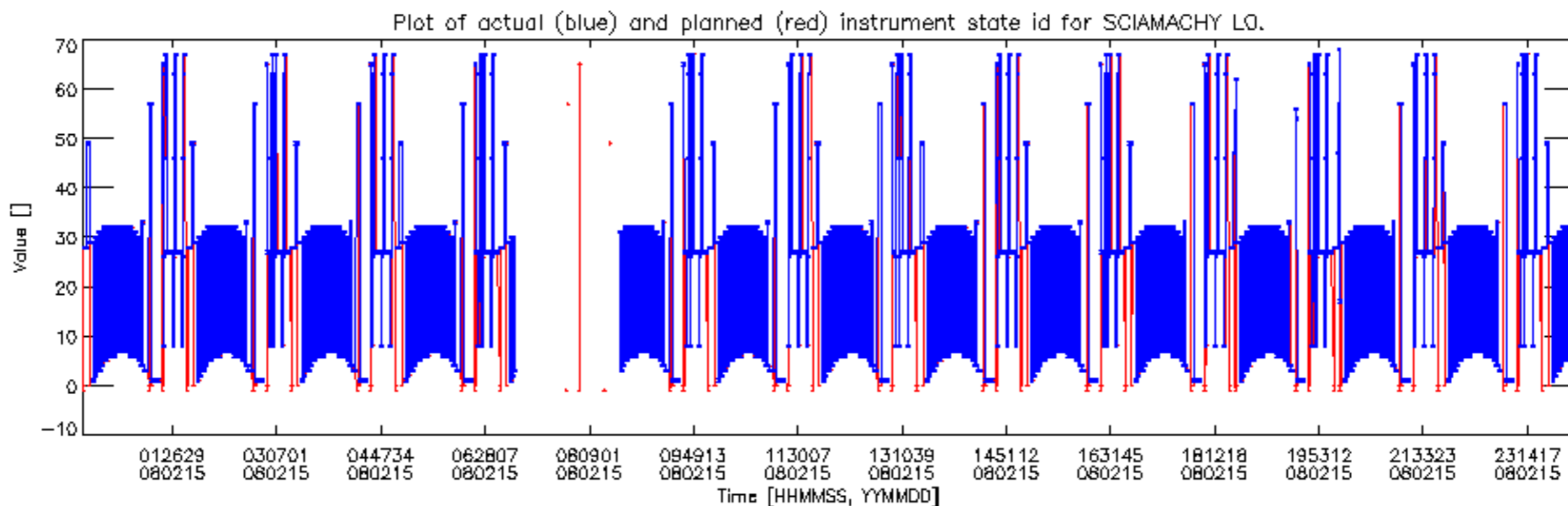












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 15FEB2008.  
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