

## 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	22FEB2008 06:41:46
Data source version	KSPT_L0/4303-N
Processing scope for products	18FEB2008 00:00:00 to 19FEB2008 00:00:00
Start time of first product within scope	17FEB2008 23:41:23
Stop time of last product within scope	19FEB2008 00:50:14
Total number of level 0 products	16
Number of level 0 products with errors	0

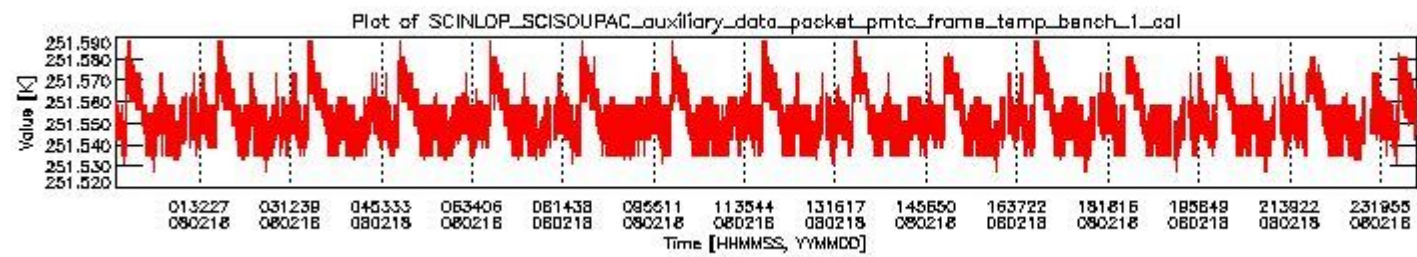
### 0.1.2 Summary per product

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

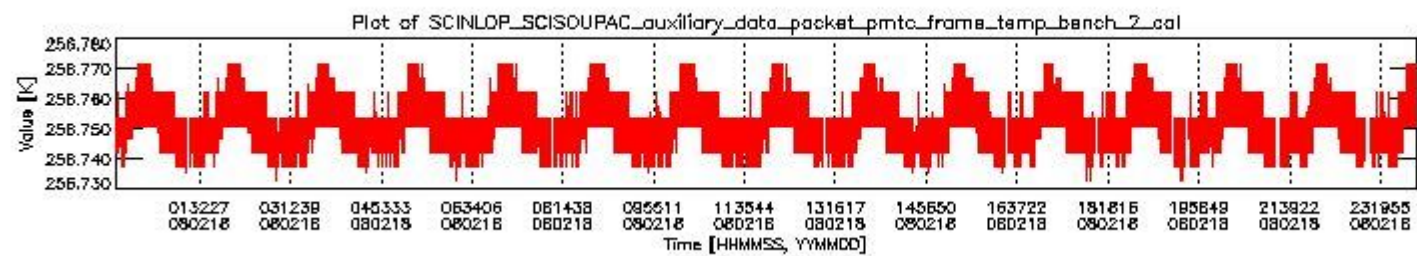
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080217_234123_000057432066_00087_31203_6158.N1	17FEB2008 23:41:23	18FEB2008 01:17:07	0	0	0	0	0
1	SCI_NL__OPNPDE20080218_012159_000044672066_00088_31204_6159.N1	18FEB2008 01:21:59	18FEB2008 02:36:26	0	0	0	0	0
2	SCI_NL__OPNPDE20080218_023626_000057872066_00089_31205_6160.N1	18FEB2008 02:36:26	18FEB2008 04:12:53	0	0	0	0	0
3	SCI_NL__OPNPDE20080218_041253_000060912066_00090_31206_6161.N1	18FEB2008 04:12:53	18FEB2008 05:54:24	0	0	0	0	0
4	SCI_NL__OPNPDK20080218_055424_000041132066_00091_31207_7421.N1	18FEB2008 05:54:24	18FEB2008 07:02:57	0	0	0	0	0
5	SCI_NL__OPNPDK20080218_070149_000060352066_00092_31208_7422.N1	18FEB2008 07:01:49	18FEB2008 08:42:24	0	0	0	0	0
6	SCI_NL__OPNPDK20080218_084128_000061602066_00093_31209_7423.N1	18FEB2008 08:41:28	18FEB2008 10:24:08	0	0	0	0	0
7	SCI_NL__OPNPDK20080218_102259_000059112066_00094_31210_7424.N1	18FEB2008 10:22:59	18FEB2008 12:01:30	0	0	0	0	0
8	SCI_NL__OPNPDK20080218_115926_000061602066_00095_31211_7425.N1	18FEB2008 11:59:26	18FEB2008 13:42:06	0	0	0	0	0
9	SCI_NL__OPNPDK20080218_134206_000059112066_00096_31212_7426.N1	18FEB2008 13:42:06	18FEB2008 15:20:37	0	0	0	0	0
10	SCI_NL__OPNPDK20080218_151845_000057862066_00097_31213_7427.N1	18FEB2008 15:18:45	18FEB2008 16:55:11	0	0	0	0	0
11	SCI_NL__OPNPDK20080218_165511_000060362066_00098_31214_7428.N1	18FEB2008 16:55:11	18FEB2008 18:35:47	0	0	0	0	0
12	SCI_NL__OPNPDK20080218_183450_000060922066_00099_31215_7429.N1	18FEB2008 18:34:50	18FEB2008 20:16:22	0	0	0	0	0
13	SCI_NL__OPNPDE20080218_201429_000041242066_00100_31216_6162.N1	18FEB2008 20:14:29	18FEB2008 21:23:13	0	0	0	0	0
14	SCI_NL__OPNPDE20080218_212904_000055242066_00100_31216_6163.N1	18FEB2008 21:29:04	18FEB2008 23:01:08	0	0	0	0	0
15	SCI_NL__OPNPDE20080218_230939_000060352066_00101_31217_6164.N1	18FEB2008 23:09:39	19FEB2008 00:50:14	0	0	0	0	0

## 0.2 Product Quality Indicators

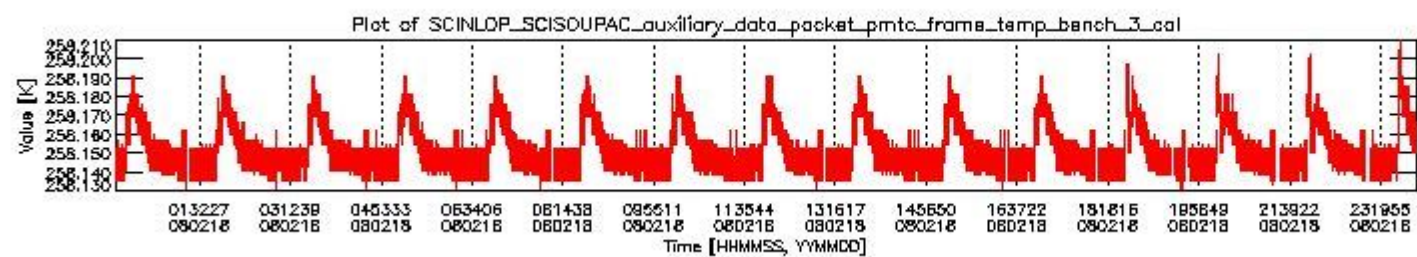
This section shows information about product quality, currently temperatures.



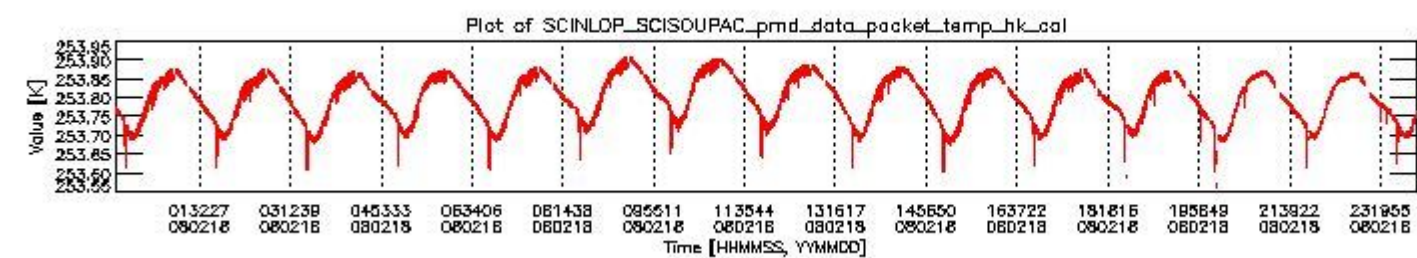
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080218\_0.PNG



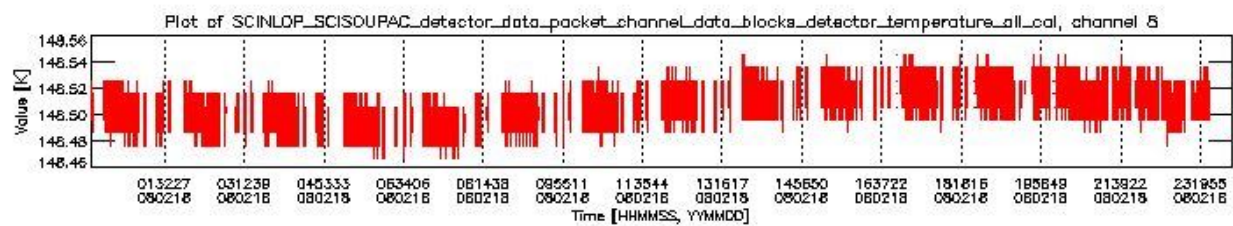
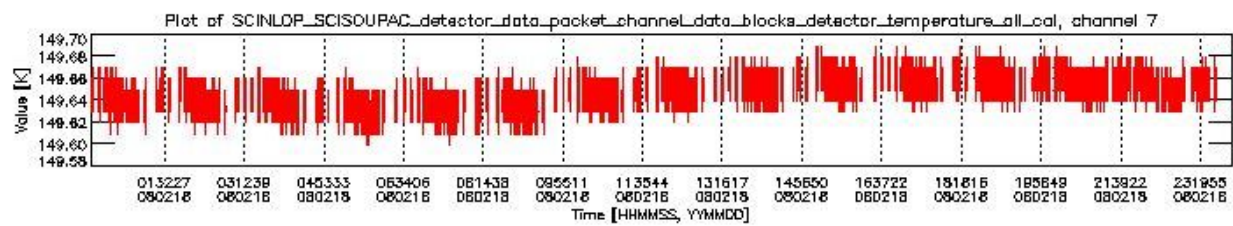
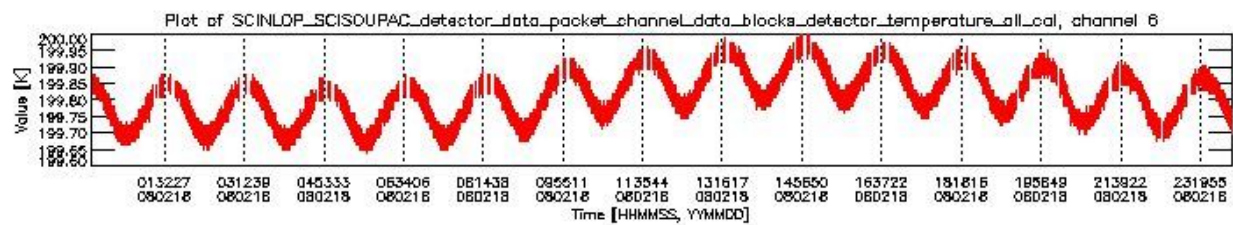
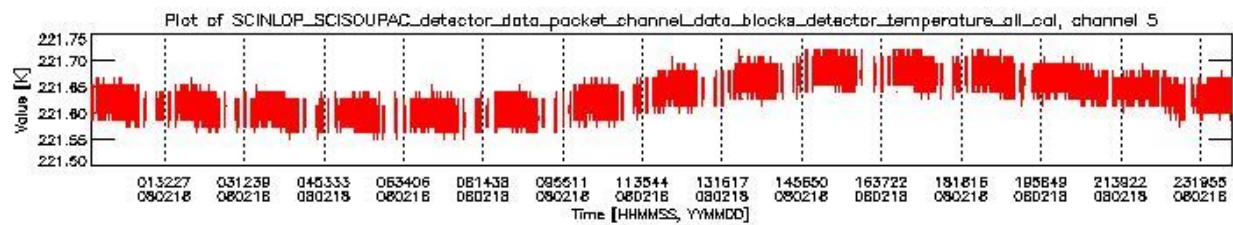
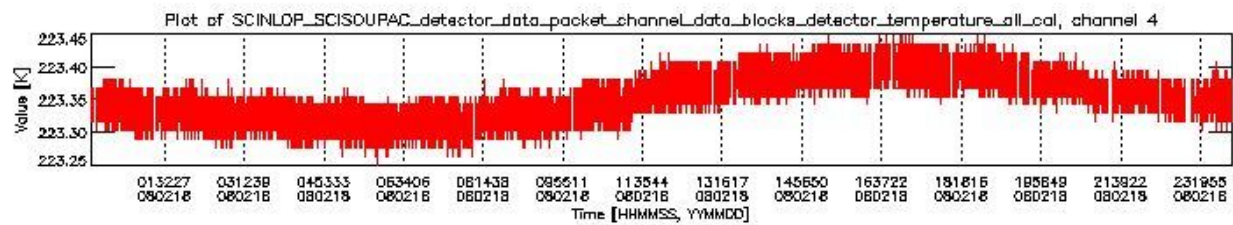
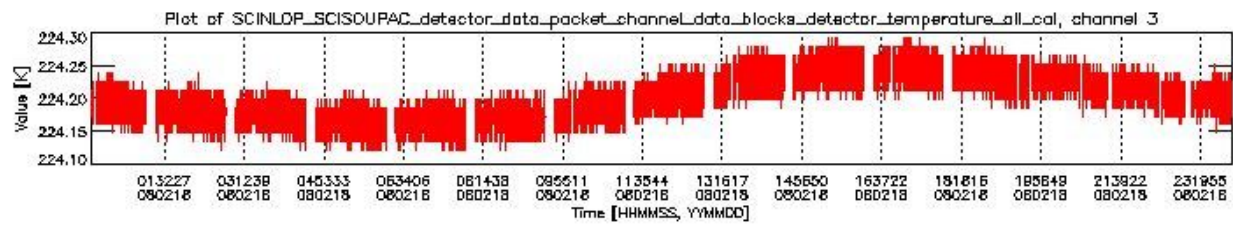
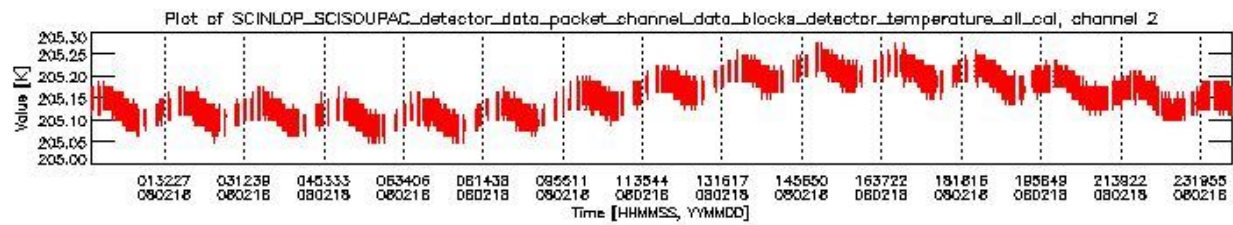
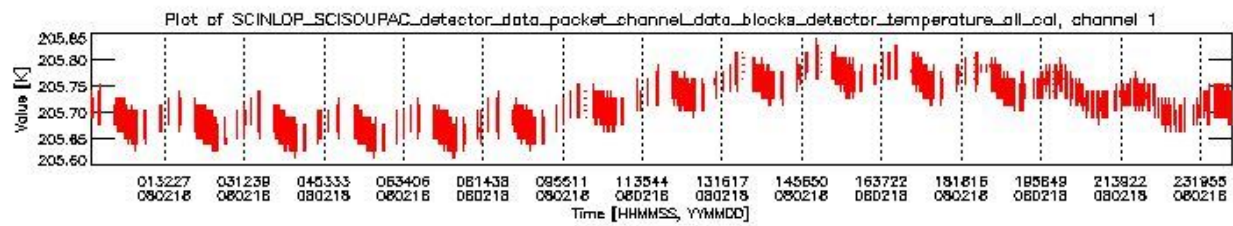
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080218\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080218\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080218\_3.PNG

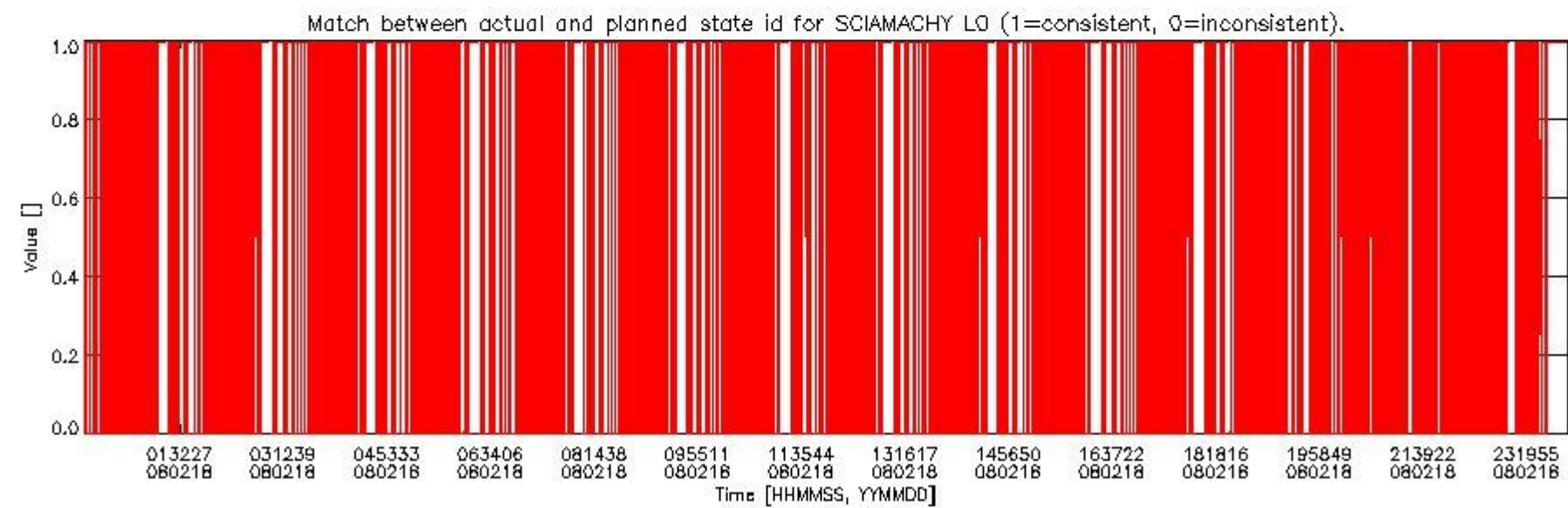
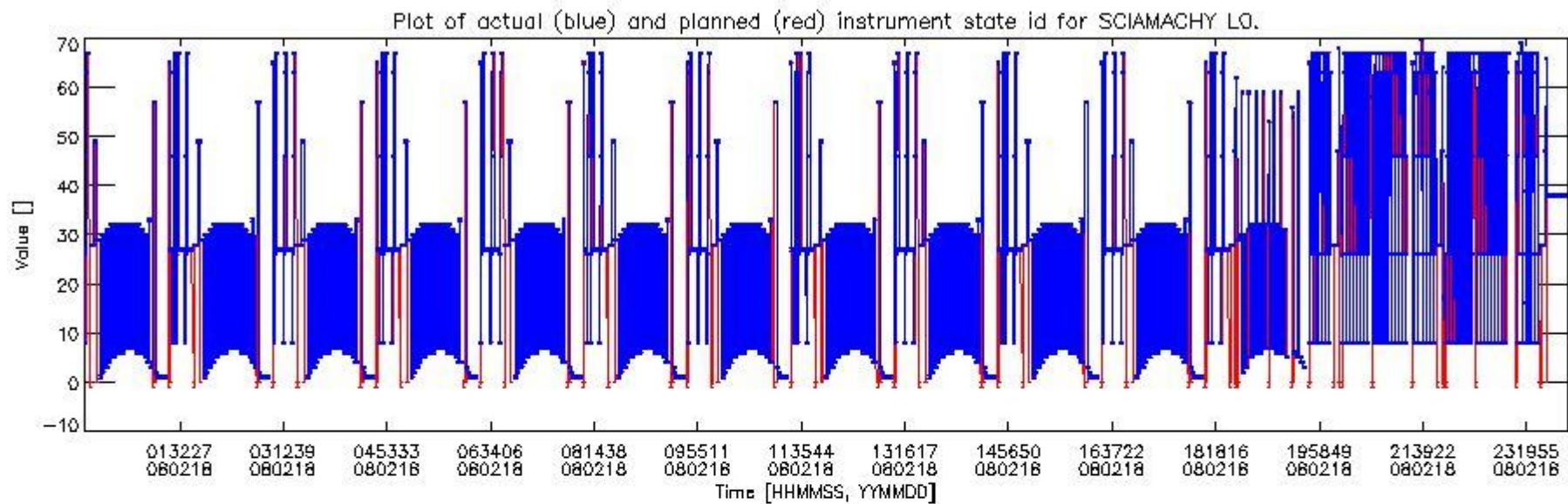


### 0.3 State monitoring

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: **40720**

#	Actual time	Actual value	Planned time	Planned value
0	18FEB2008 00:00:03.921926	8	18FEB2008 00:00:03.921926	27
1	18FEB2008 00:00:05.046925	8	18FEB2008 00:00:05.046925	27
2	18FEB2008 00:00:06.046920	8	18FEB2008 00:00:06.046920	27
3	18FEB2008 00:00:07.046914	8	18FEB2008 00:00:07.046914	27
4	18FEB2008 00:00:08.046909	8	18FEB2008 00:00:08.046909	27
5	18FEB2008 00:00:08.921899	8	18FEB2008 00:00:08.921899	27
6	18FEB2008 00:00:09.046903	8	18FEB2008 00:00:09.046903	27
7	18FEB2008 00:00:10.046898	8	18FEB2008 00:00:10.046898	27
8	18FEB2008 00:00:11.046892	8	18FEB2008 00:00:11.046892	27
9	18FEB2008 00:00:12.046887	8	18FEB2008 00:00:12.046887	27
10	18FEB2008 00:00:13.046922	8	18FEB2008 00:00:13.046922	27
11	18FEB2008 00:00:47.480491	26	18FEB2008 00:00:47.480491	8
12	18FEB2008 00:00:48.105513	26	18FEB2008 00:00:48.105513	8
13	18FEB2008 00:00:48.605490	26	18FEB2008 00:00:48.605490	8
14	18FEB2008 00:00:49.105507	26	18FEB2008 00:00:49.105507	8
15	18FEB2008 00:00:49.605525	26	18FEB2008 00:00:49.605525	8
16	18FEB2008 00:00:50.105502	26	18FEB2008 00:00:50.105502	8
17	18FEB2008 00:00:50.605519	26	18FEB2008 00:00:50.605519	8
18	18FEB2008 00:00:51.105496	26	18FEB2008 00:00:51.105496	8
19	18FEB2008 00:00:51.605514	26	18FEB2008 00:00:51.605514	8
	...	...	...	...

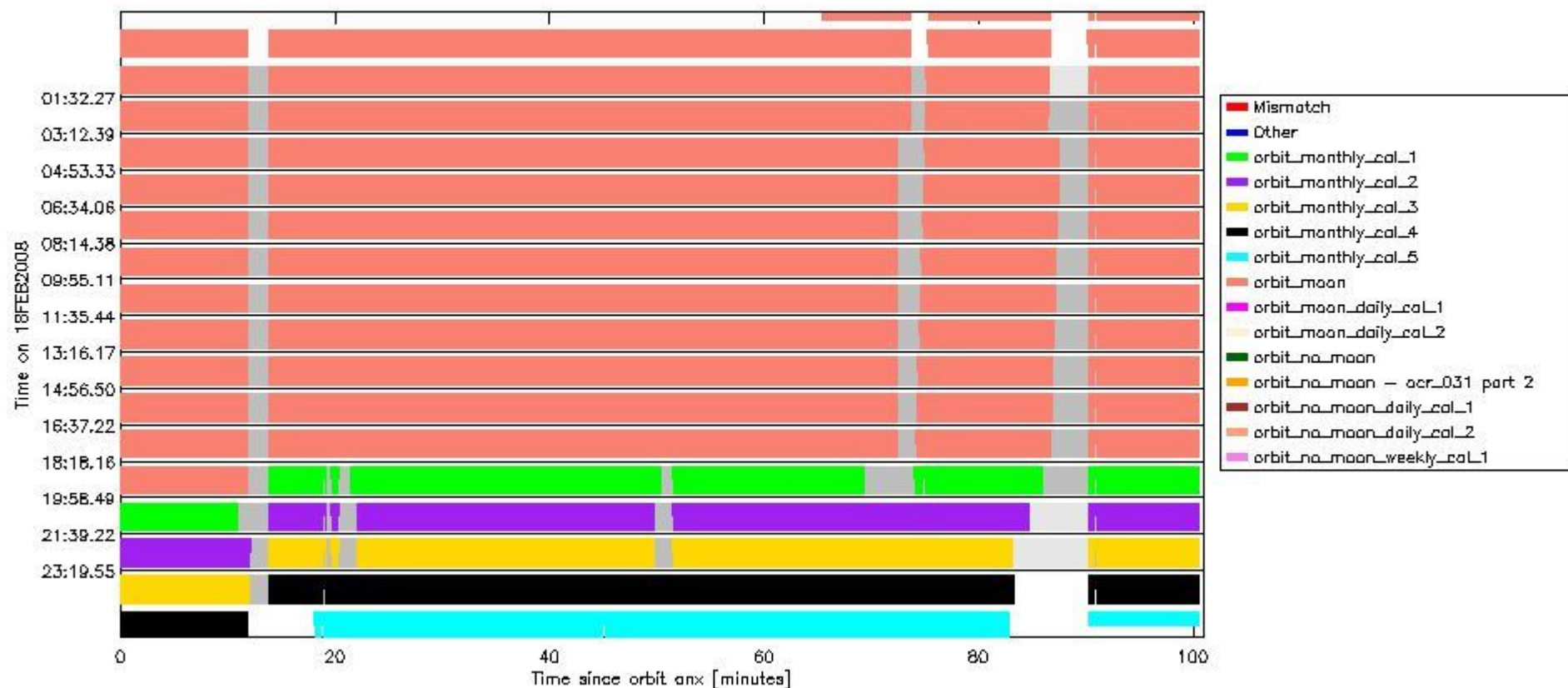


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080218\_5.PNG

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 18FEB2008.  
 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\_20080218\_6.PNG

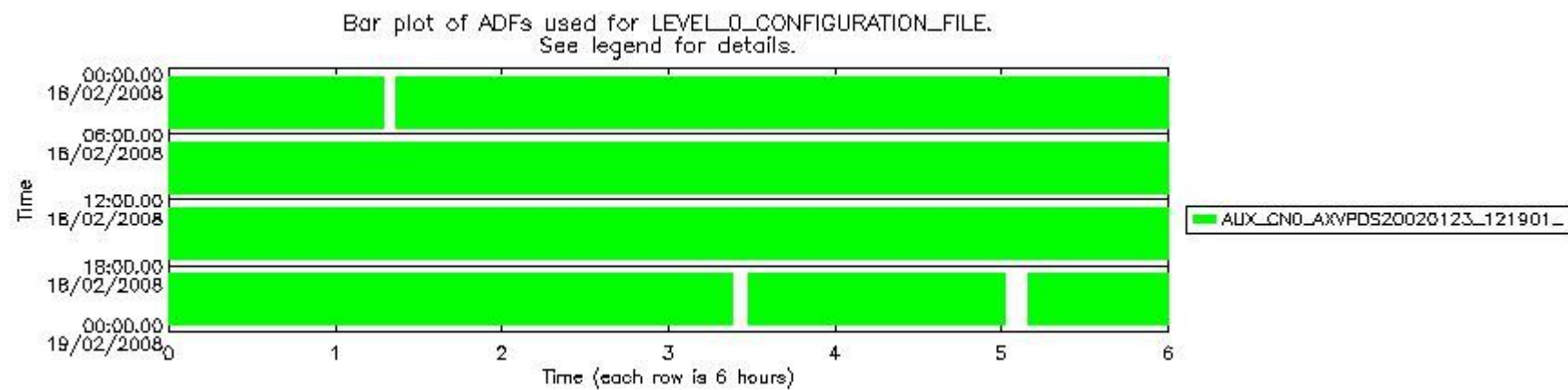
## 0.4 ADF monitoring

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

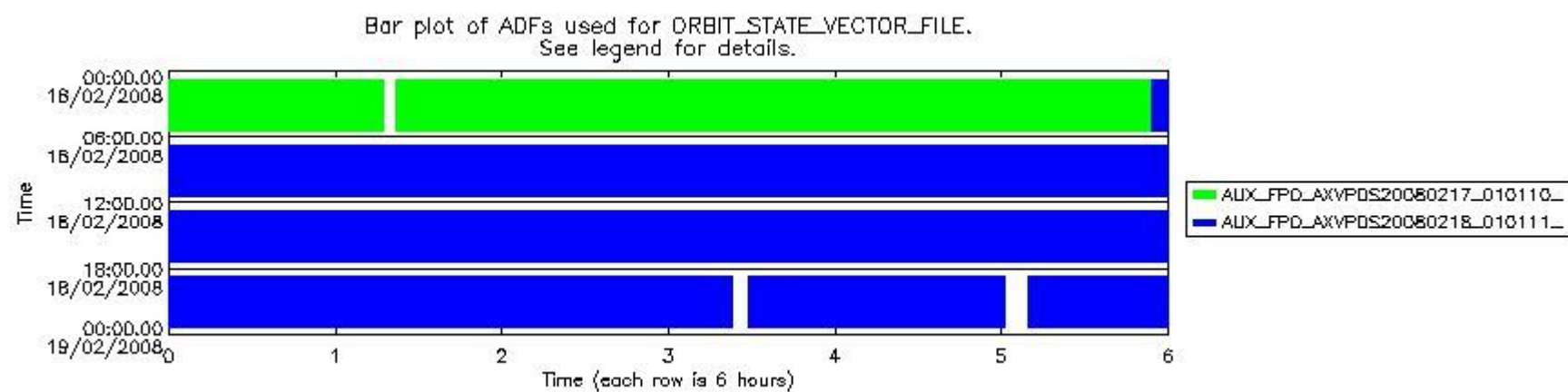
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

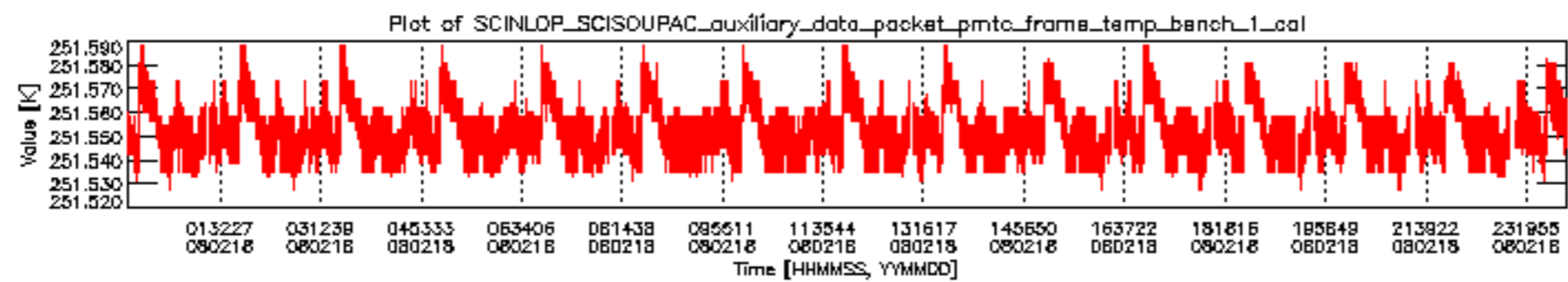
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20080217_010110_20080216_192124_20080226_204739
2	AUX_FPO_AXVPDS20080218_010111_20080217_184947_20080227_201602



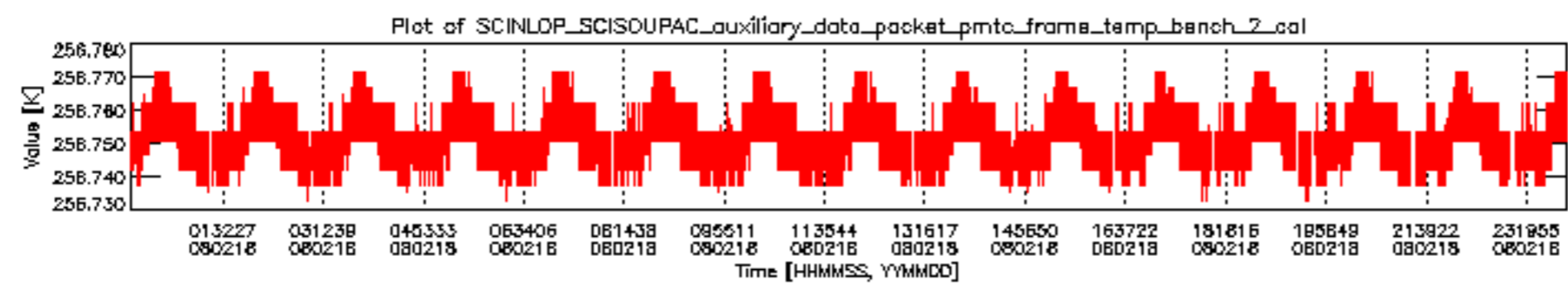
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080218\_7.PNG

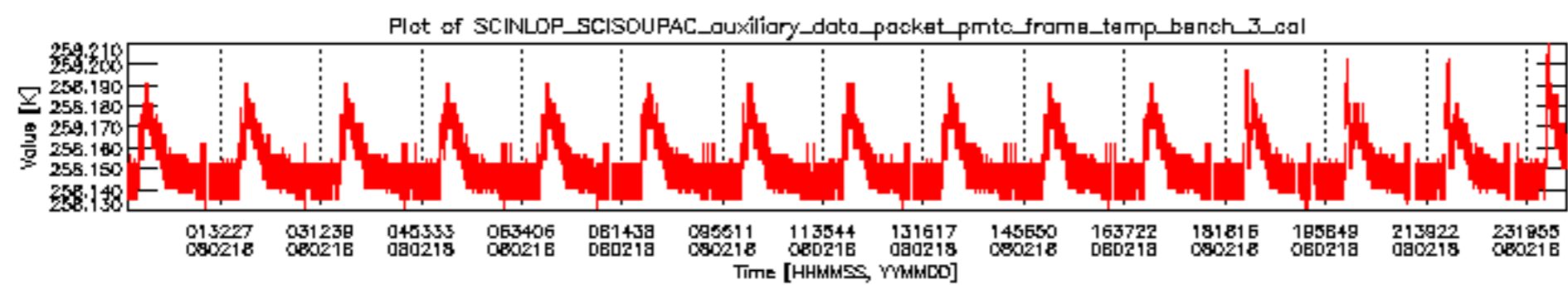


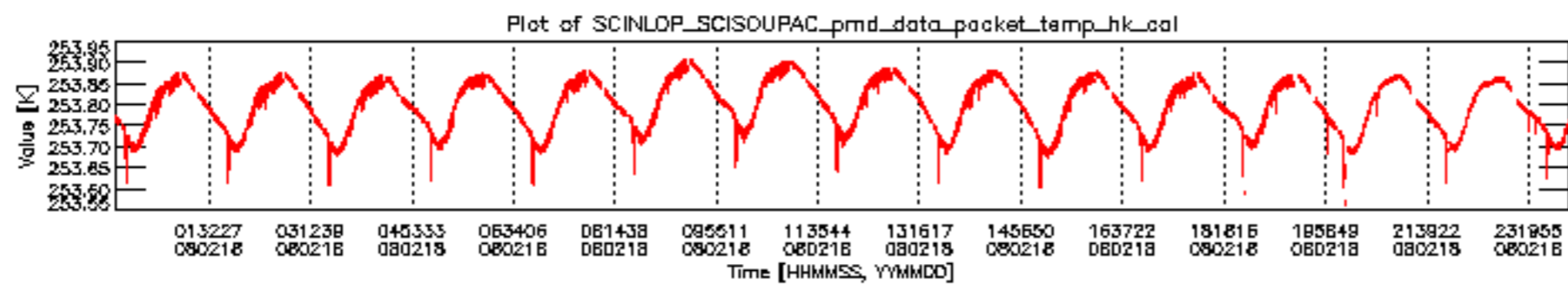
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080218\_8.PNG

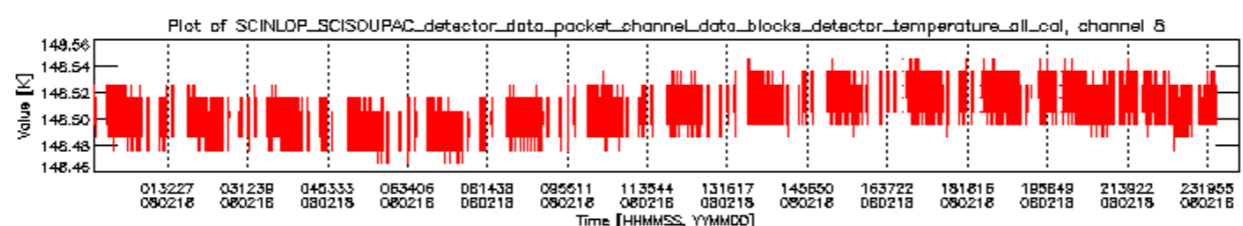
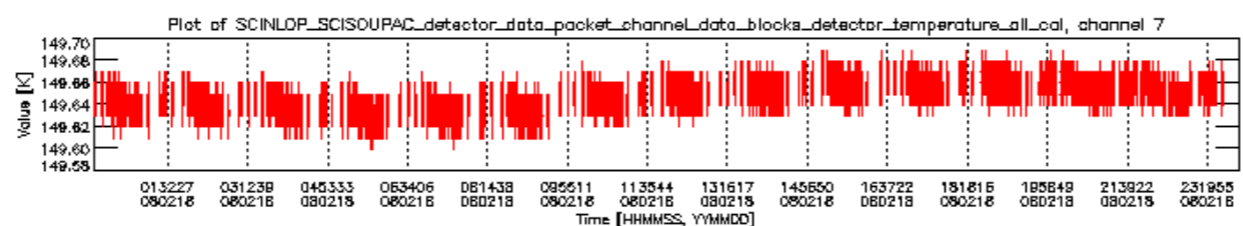
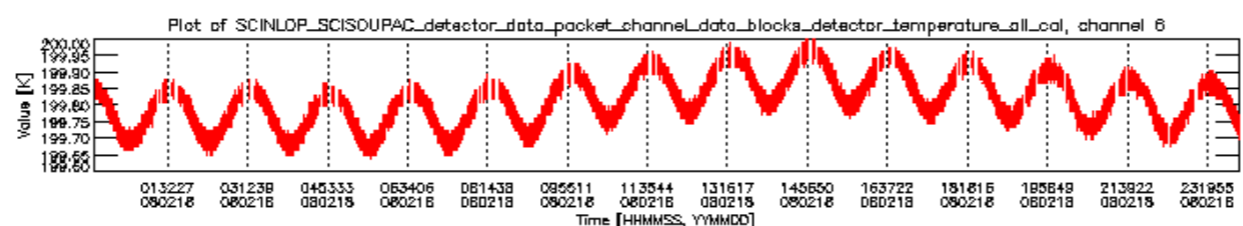
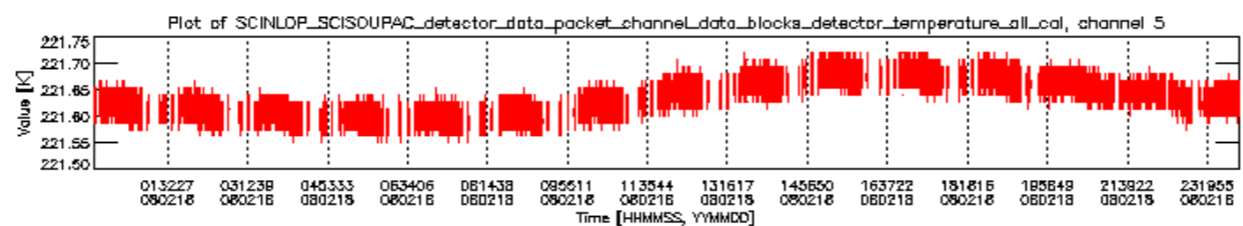
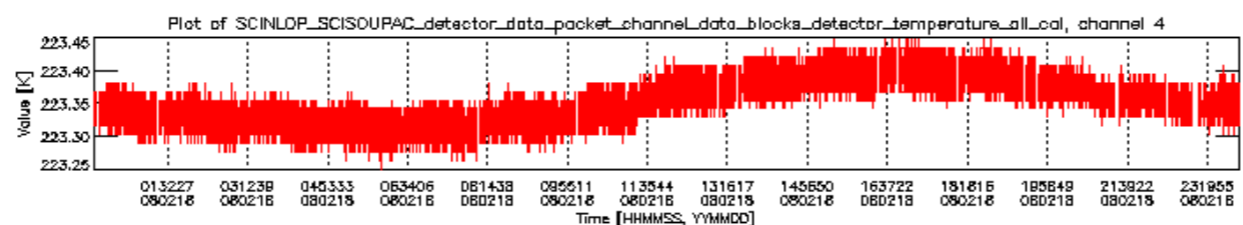
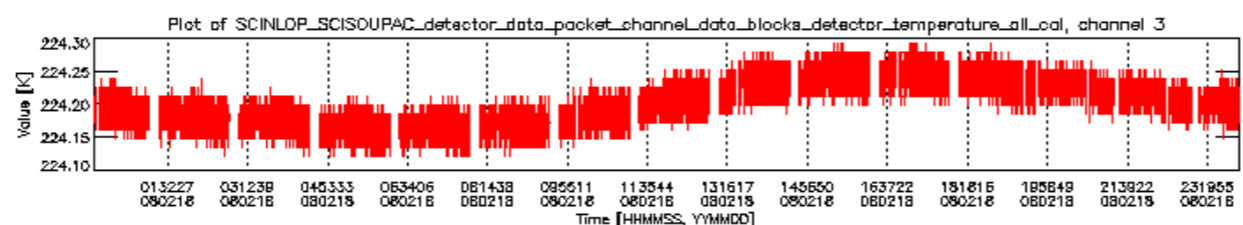
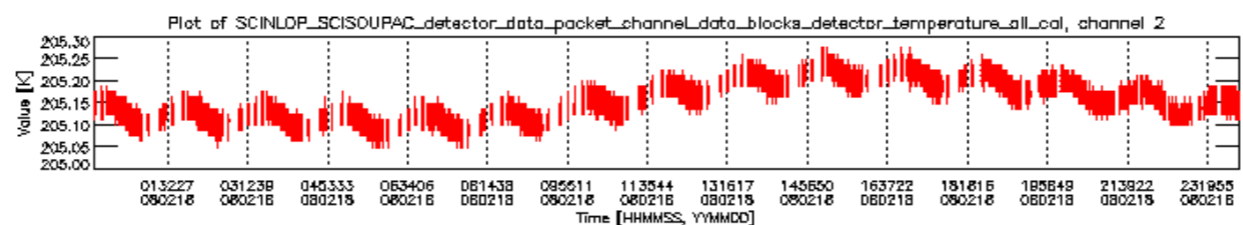
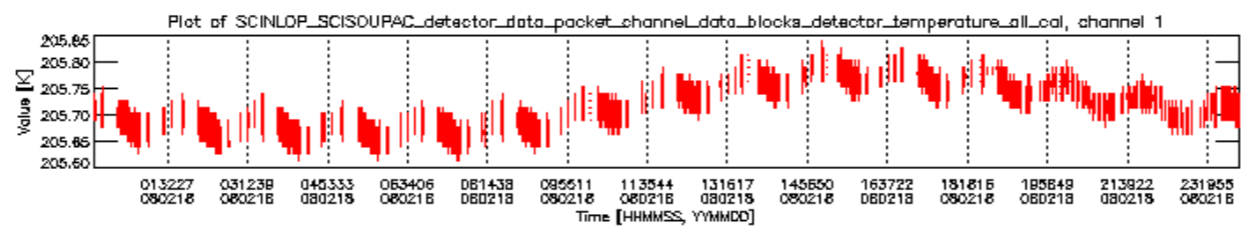


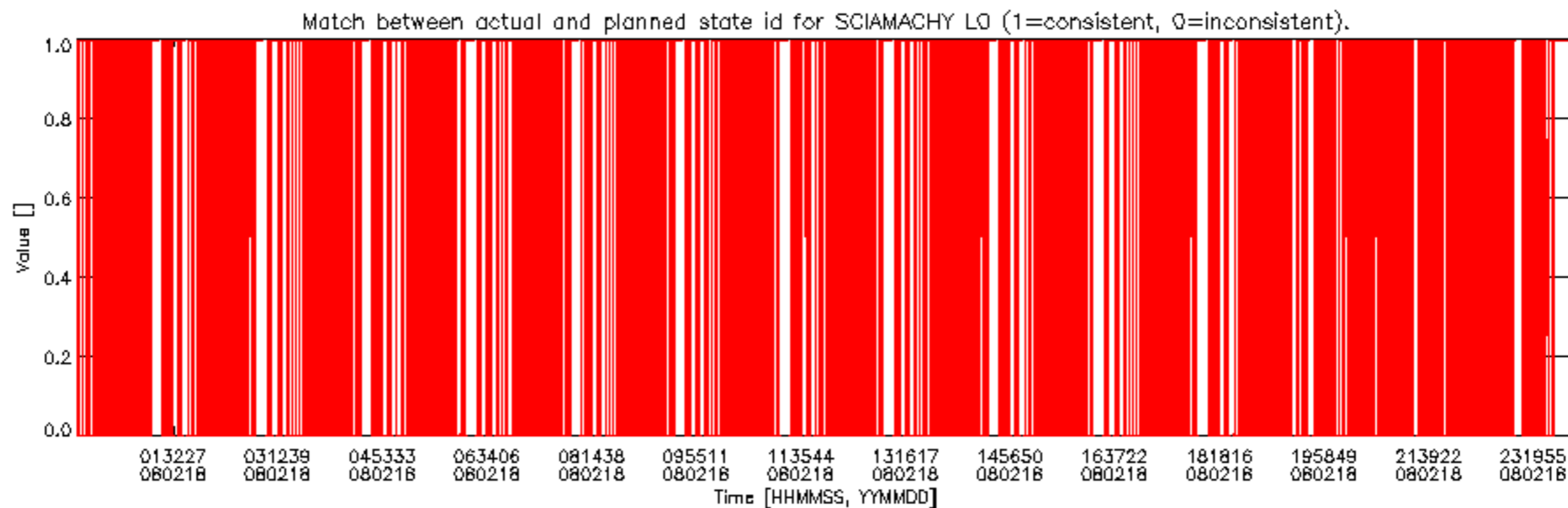
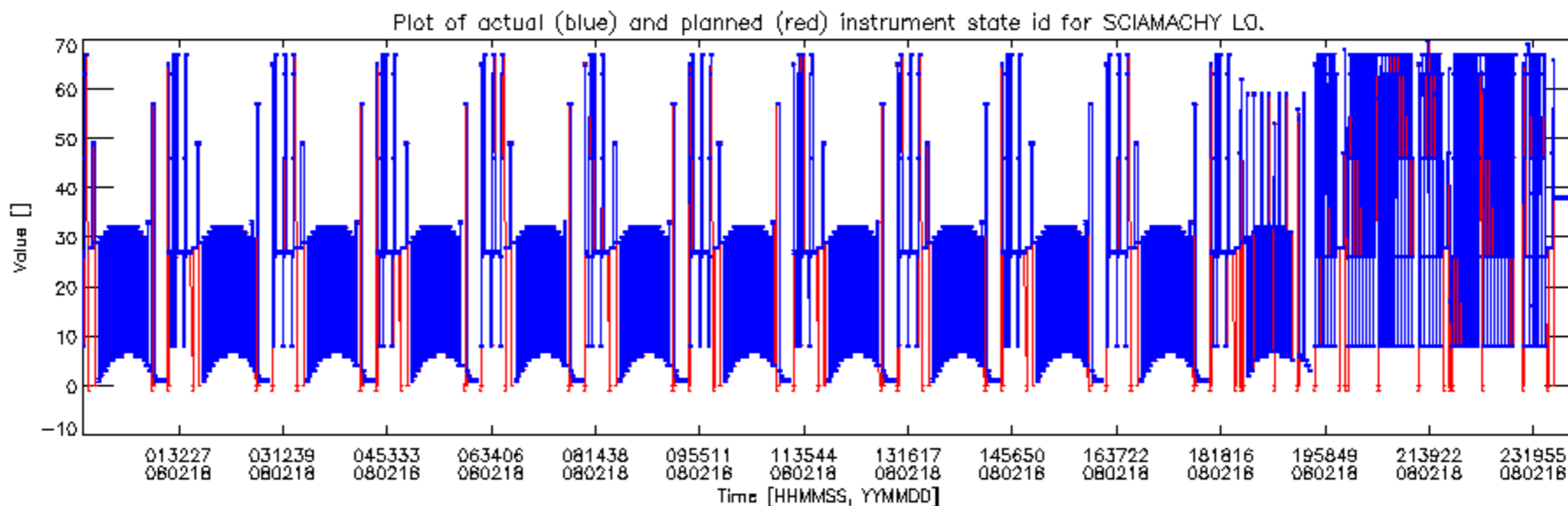












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 18FEB2008.  
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