

## 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	27OCT2008 14:55:54
Data source version	KSPT_L0/4303-N
Processing scope for products	23OCT2008 00:00:00 to 24OCT2008 00:00:00
Start time of first product within scope	22OCT2008 23:46:16
Stop time of last product within scope	24OCT2008 00:55:22
Total number of level 0 products	16
Number of level 0 products with errors	1

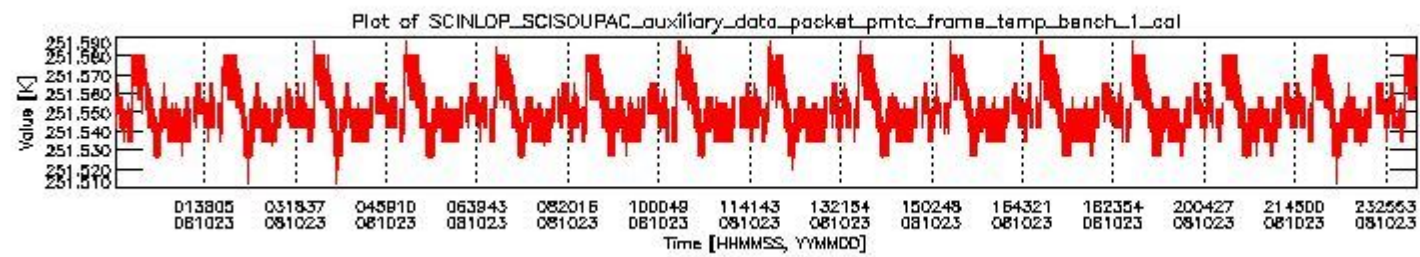
### 0.1.2 Summary per product

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

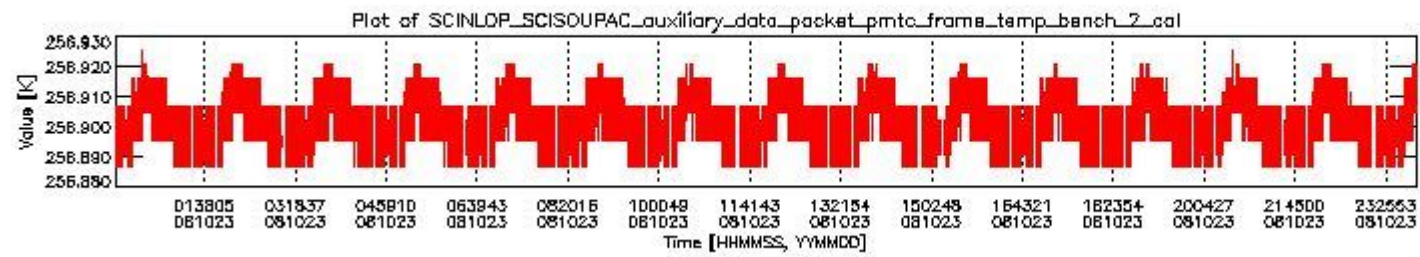
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081022_234616_000056762073_00130_34753_7761.N1	22OCT2008 23:46:16	23OCT2008 01:20:53	0	0	0	0	0
1	SCI_NL__OPNPDE20081023_012653_000045622073_00131_34754_7762.N1	23OCT2008 01:26:53	23OCT2008 02:42:55	0	0	0	0	0
2	SCI_NL__OPNPDE20081023_024159_000057752073_00132_34755_7763.N1	23OCT2008 02:41:59	23OCT2008 04:18:13	0	0	0	0	0
3	SCI_NL__OPNPDE20081023_041813_000061052073_00133_34756_7764.N1	23OCT2008 04:18:13	23OCT2008 05:59:59	0	0	0	0	0
4	SCI_NL__OPNPDK20081023_055903_000041572073_00134_34757_9742.N1	23OCT2008 05:59:03	23OCT2008 07:08:20	0	0	0	0	0
5	SCI_NL__OPNPDK20081023_070724_000061612073_00135_34758_9743.N1	23OCT2008 07:07:24	23OCT2008 08:50:05	0	0	0	0	0
6	SCI_NL__OPNPDK20081023_085005_000059122073_00136_34759_9744.N1	23OCT2008 08:50:05	23OCT2008 10:28:37	0	0	0	0	0
7	SCI_NL__OPNPDK20081023_102728_000061052073_00137_34760_9745.N1	23OCT2008 10:27:28	23OCT2008 12:09:13	0	0	0	0	0
8	SCI_NL__OPNPDK20081023_120709_000060362073_00138_34761_9746.N1	23OCT2008 12:07:09	23OCT2008 13:47:45	0	0	0	0	0
9	SCI_NL__OPNPDK20081023_134636_000058132073_00139_34762_9747.N1	23OCT2008 13:46:36	23OCT2008 15:23:29	0	0	0	0	0
10	SCI_NL__OPNPDK20081023_152111_000060362073_00140_34763_9748.N1	23OCT2008 15:21:11	23OCT2008 17:01:48	1	1	0	0	0
11	SCI_NL__OPNPDK20081023_170148_000059242073_00141_34764_9749.N1	23OCT2008 17:01:48	23OCT2008 18:40:32	0	0	0	0	0
12	SCI_NL__OPNPDK20081023_183936_000059812073_00142_34765_9750.N1	23OCT2008 18:39:36	23OCT2008 20:19:16	0	0	0	0	0
13	SCI_NL__OPNPDE20081023_201916_000041532073_00143_34766_7765.N1	23OCT2008 20:19:16	23OCT2008 21:28:30	0	0	0	0	0
14	SCI_NL__OPNPDE20081023_213410_000056892073_00143_34766_7766.N1	23OCT2008 21:34:10	23OCT2008 23:08:59	0	0	0	0	0
15	SCI_NL__OPNPDE20081023_231446_000060362073_00144_34767_7767.N1	23OCT2008 23:14:46	24OCT2008 00:55:22	0	0	0	0	0

## 0.2 Product Quality Indicators

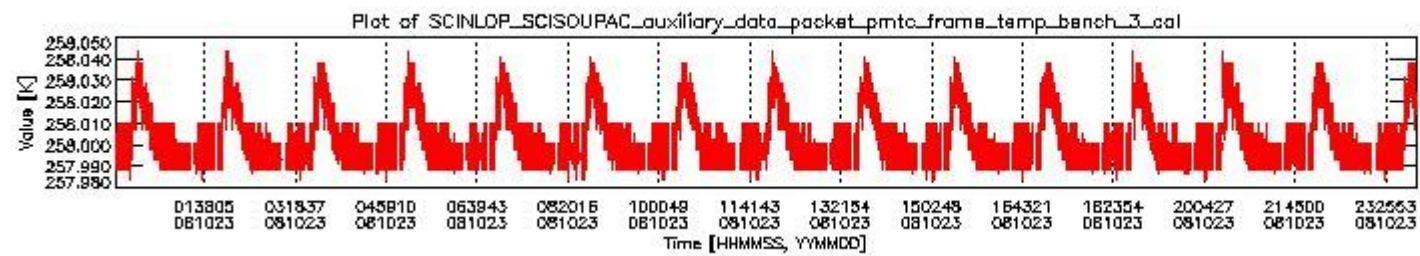
This section shows information about product quality, currently temperatures.



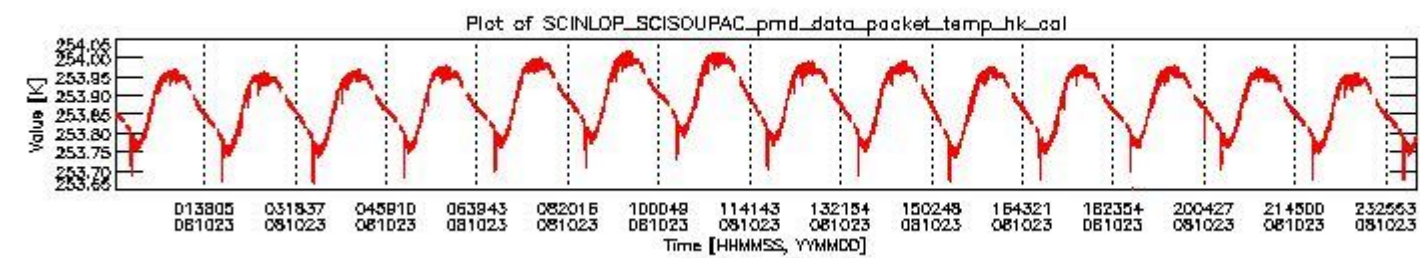
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081023\_0.PNG



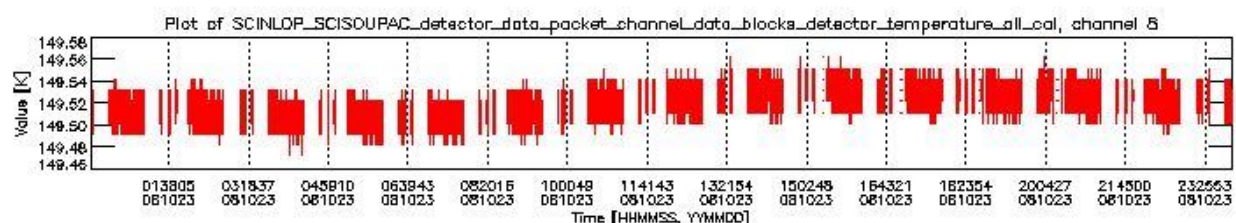
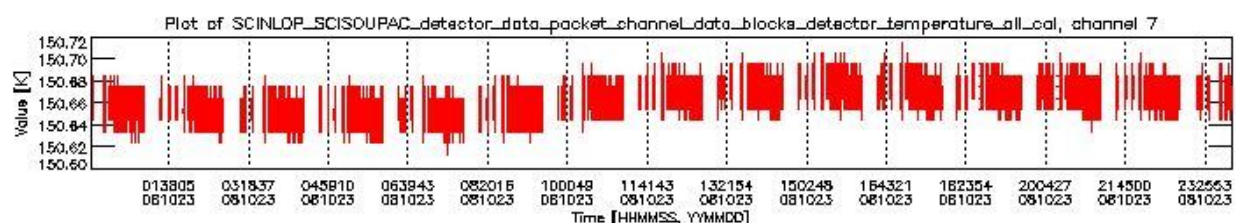
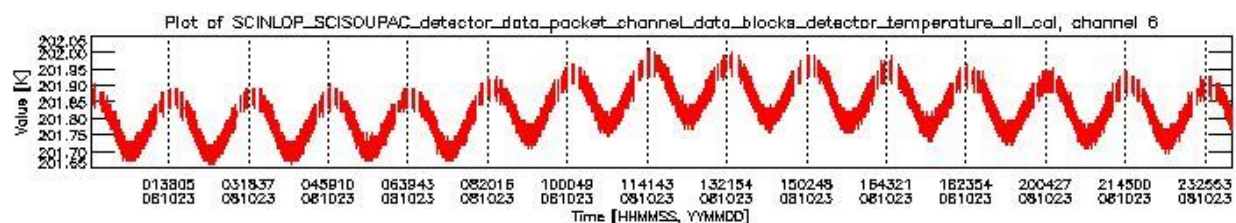
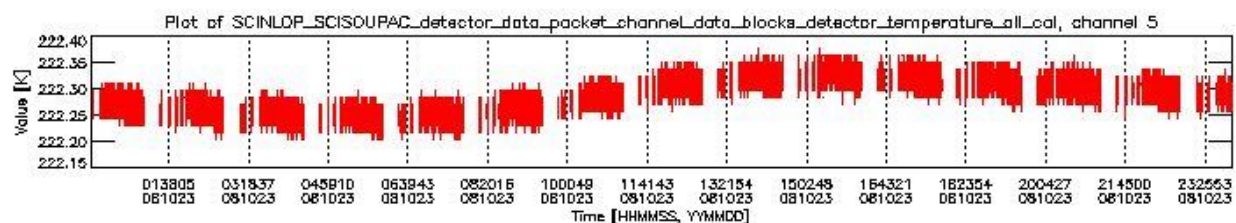
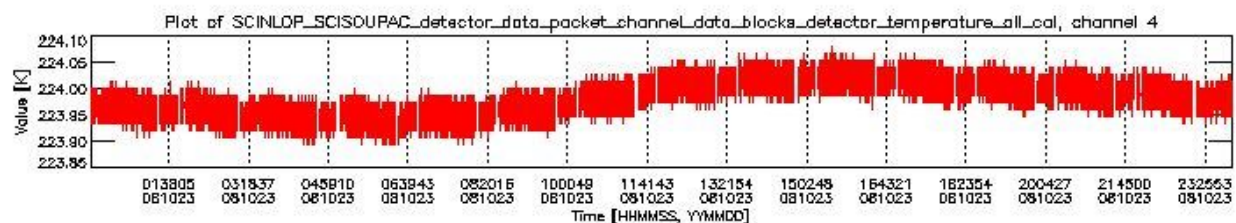
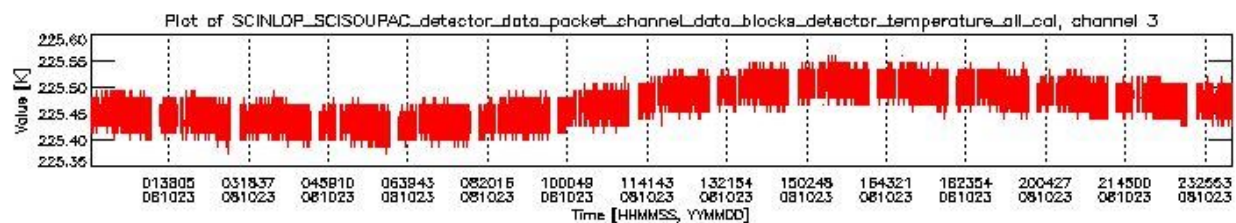
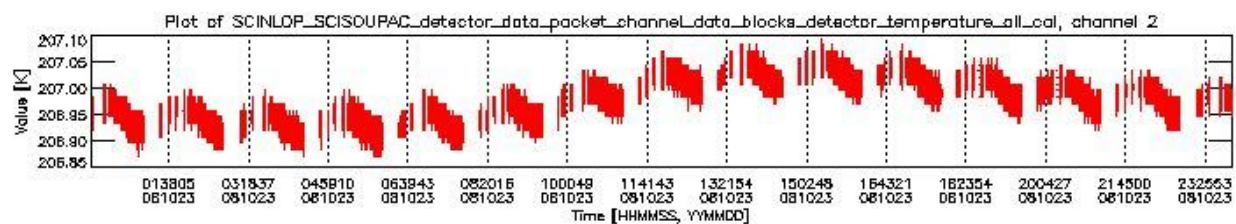
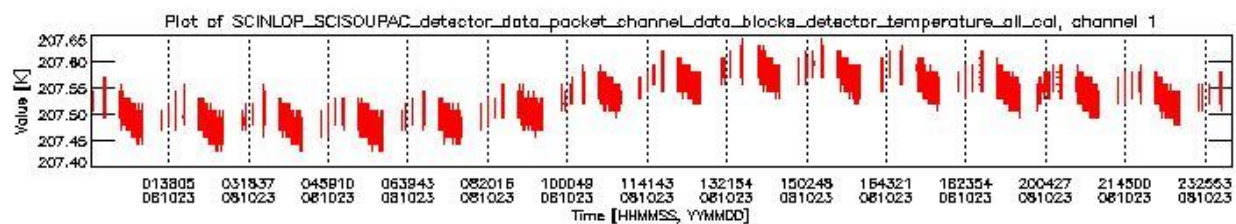
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081023\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081023\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081023\_3.PNG

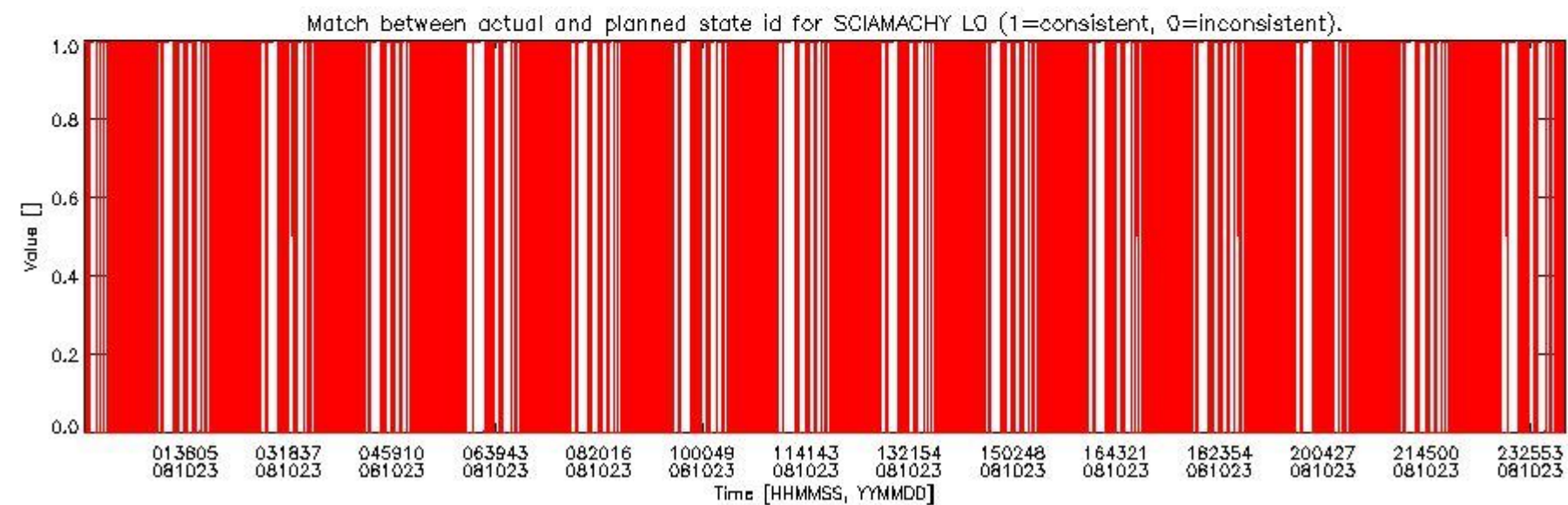
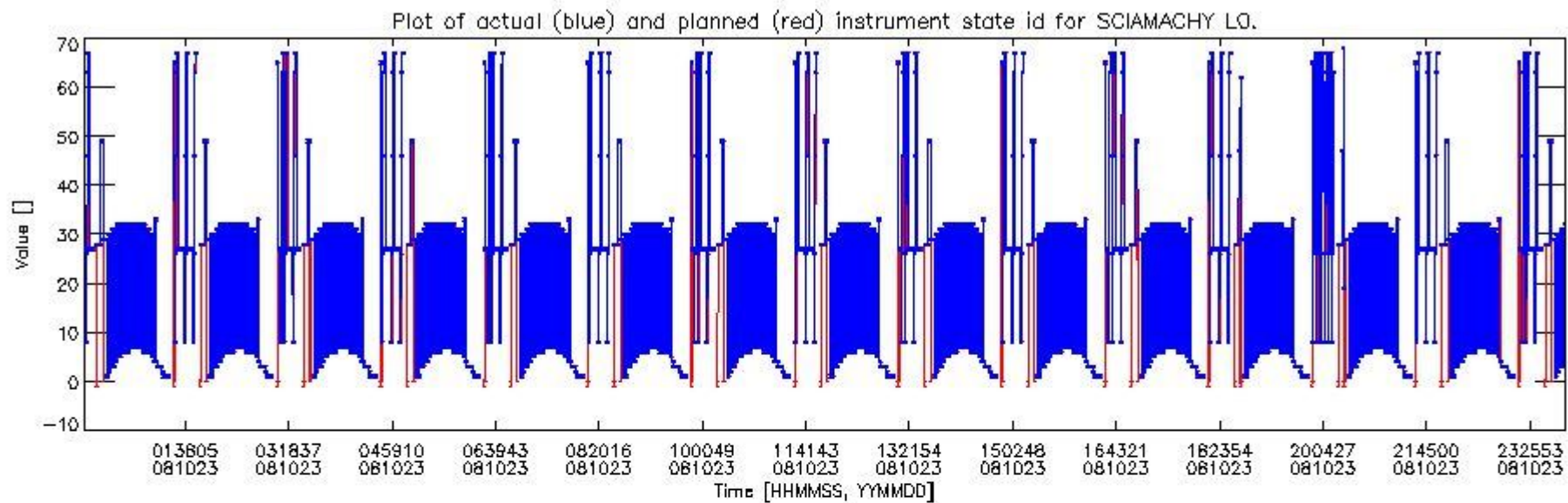


### 0.3 State monitoring

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: **47866**

#	Actual time	Actual value	Planned time	Planned value
0	23OCT2008 00:01:16.918995	8	23OCT2008 00:01:16.918995	27
1	23OCT2008 00:01:18.043994	8	23OCT2008 00:01:18.043994	27
2	23OCT2008 00:01:19.043989	8	23OCT2008 00:01:19.043989	27
3	23OCT2008 00:01:20.043983	8	23OCT2008 00:01:20.043983	27
4	23OCT2008 00:01:21.043978	8	23OCT2008 00:01:21.043978	27
5	23OCT2008 00:01:21.919008	8	23OCT2008 00:01:21.919008	27
6	23OCT2008 00:01:22.044013	8	23OCT2008 00:01:22.044013	27
7	23OCT2008 00:01:23.044007	8	23OCT2008 00:01:23.044007	27
8	23OCT2008 00:01:24.044002	8	23OCT2008 00:01:24.044002	27
9	23OCT2008 00:01:25.043997	8	23OCT2008 00:01:25.043997	27
10	23OCT2008 00:01:26.043991	8	23OCT2008 00:01:26.043991	27
11	23OCT2008 00:01:26.918981	8	23OCT2008 00:01:26.918981	27
12	23OCT2008 00:01:27.043986	8	23OCT2008 00:01:27.043986	27
13	23OCT2008 00:02:00.477600	26	23OCT2008 00:02:00.477600	8
14	23OCT2008 00:02:01.102582	26	23OCT2008 00:02:01.102582	8
15	23OCT2008 00:02:01.602599	26	23OCT2008 00:02:01.602599	8
16	23OCT2008 00:02:02.102576	26	23OCT2008 00:02:02.102576	8
17	23OCT2008 00:02:02.602594	26	23OCT2008 00:02:02.602594	8
18	23OCT2008 00:02:03.102611	26	23OCT2008 00:02:03.102611	8
19	23OCT2008 00:02:03.602588	26	23OCT2008 00:02:03.602588	8
	...	...	...	...

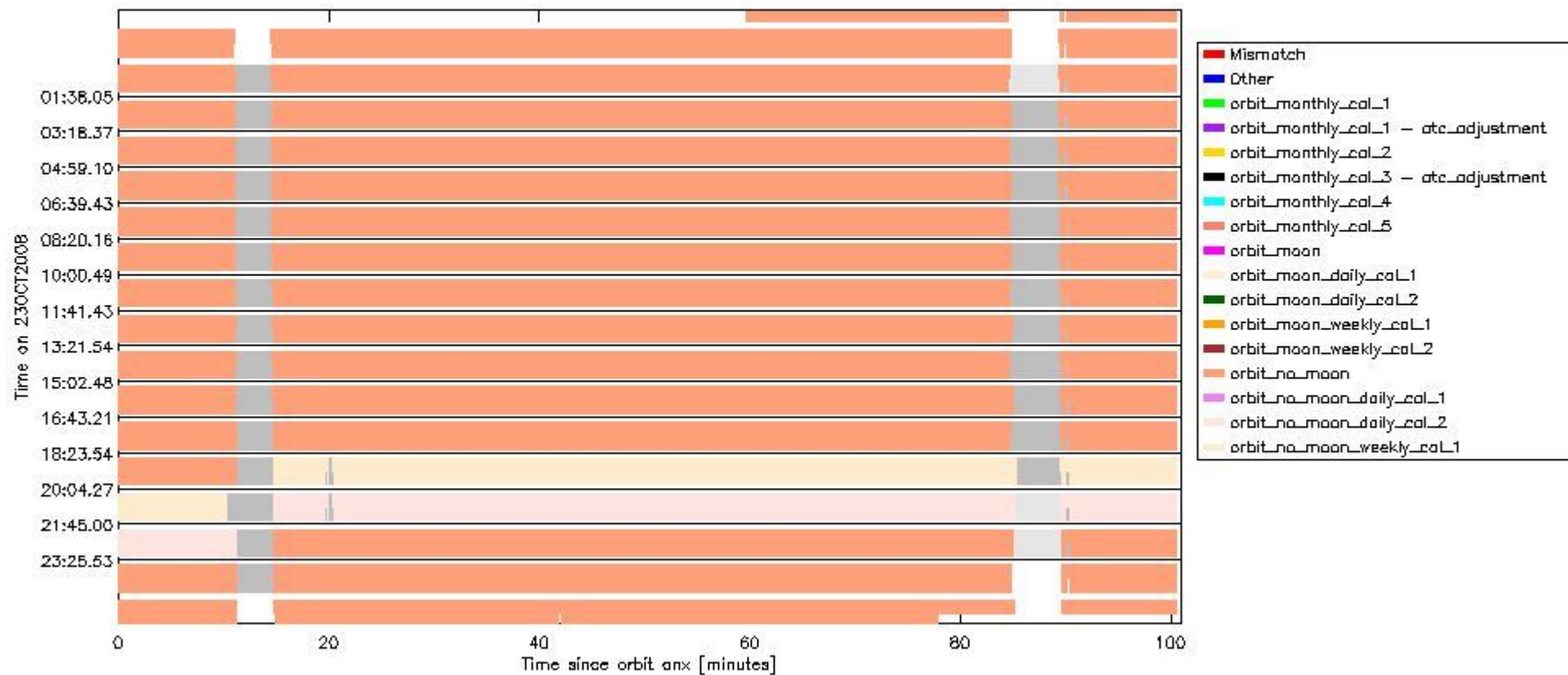


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081023\_5.PNG

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 23OCT2008.  
 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\_20081023\_6.PNG

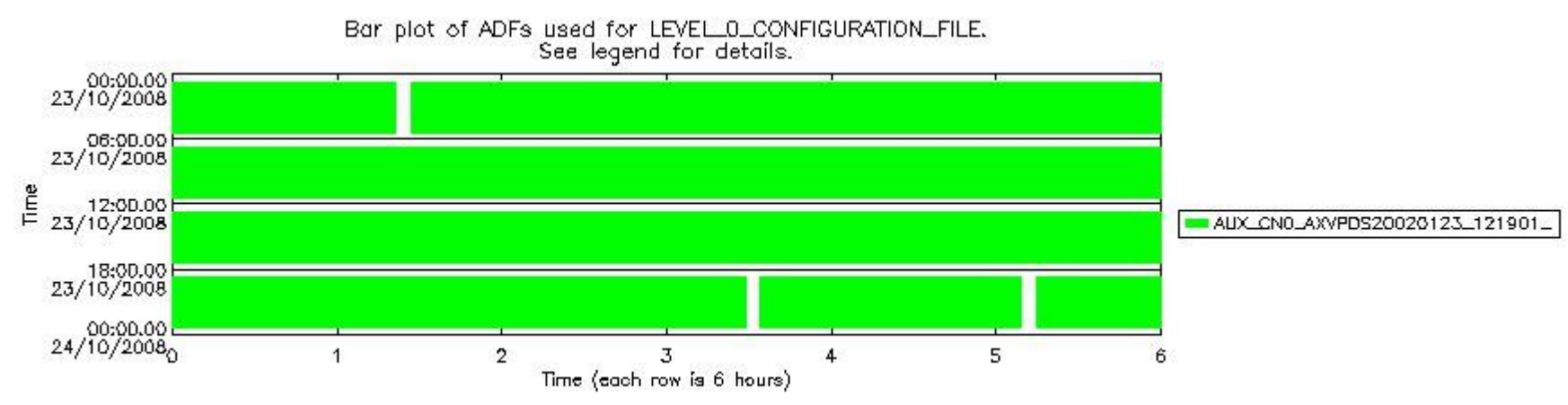
## 0.4 ADF monitoring

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

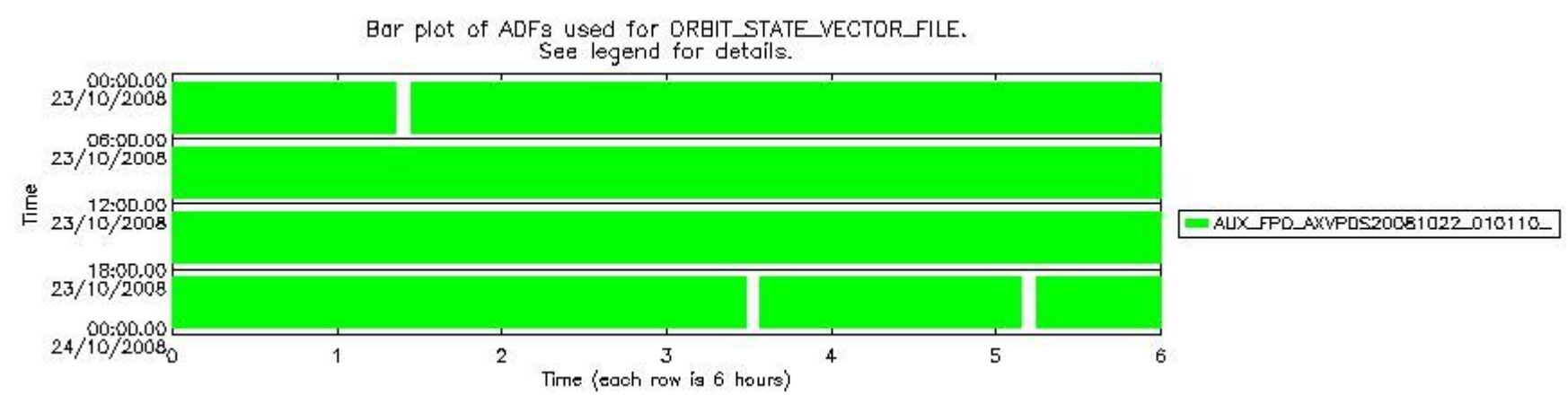
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

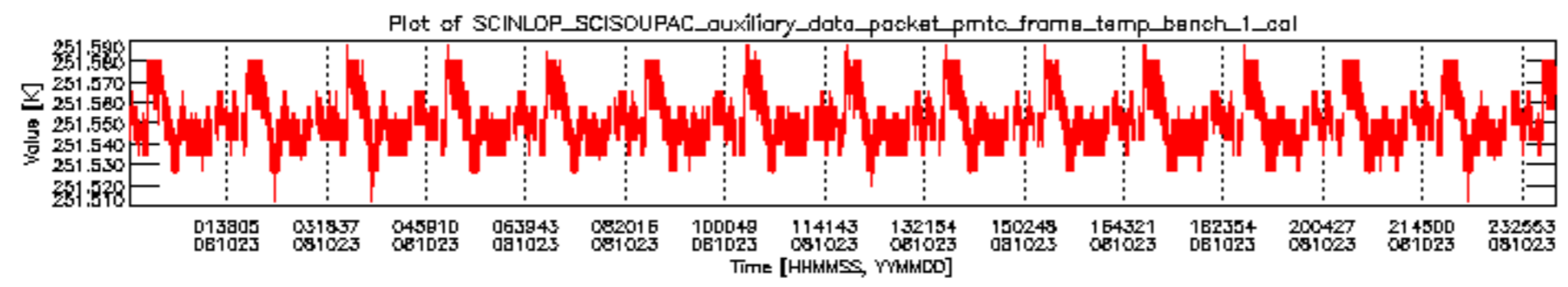
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20081022_010110_20081021_192709_20081031_205322



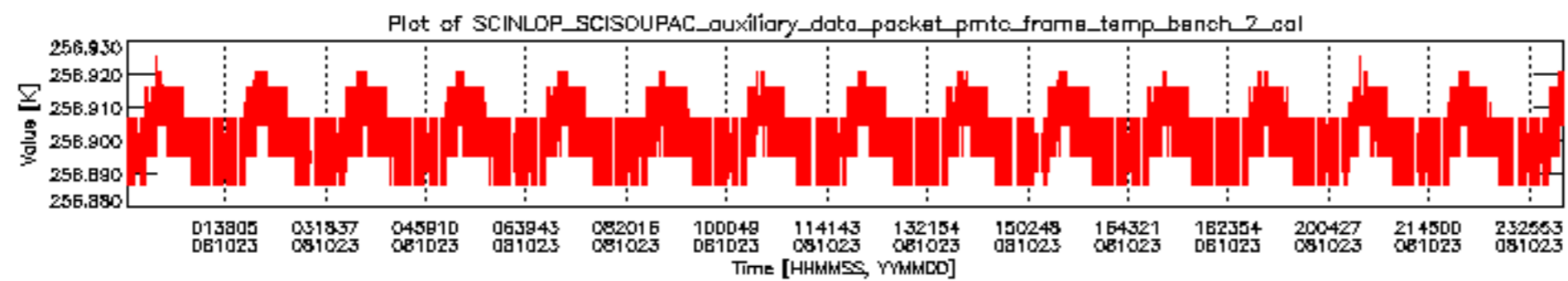
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081023\_7.PNG

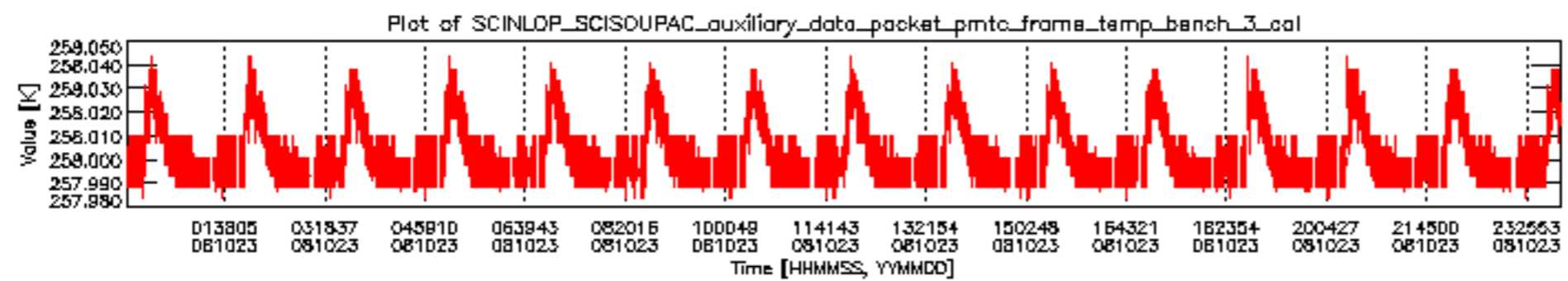


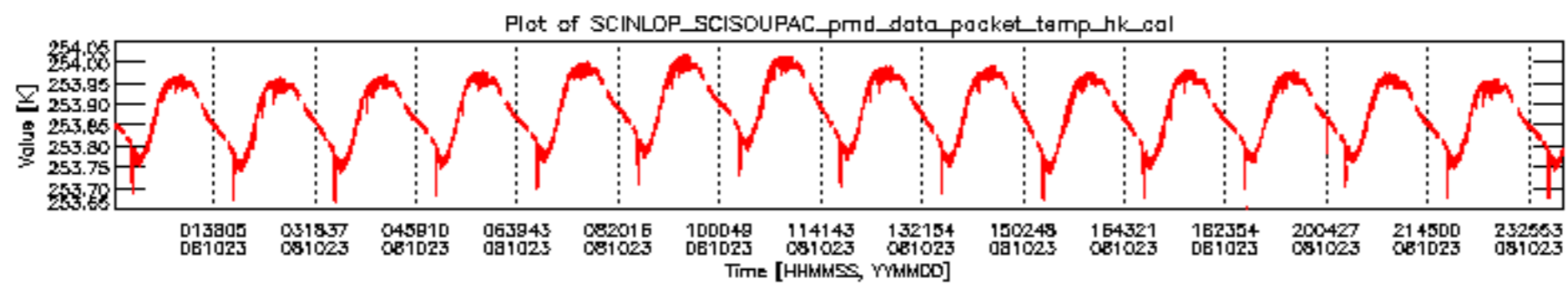
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081023\_8.PNG

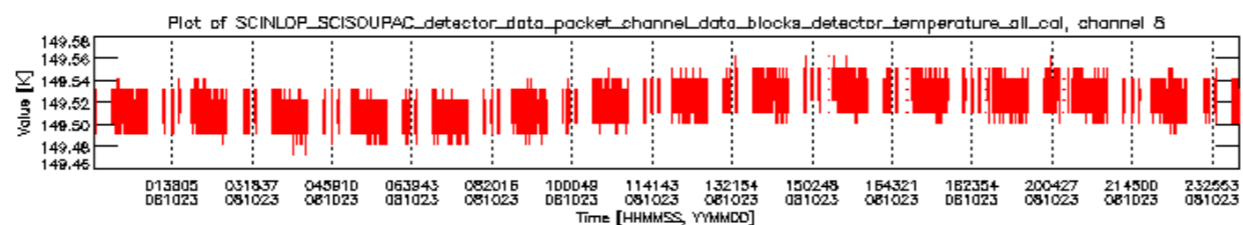
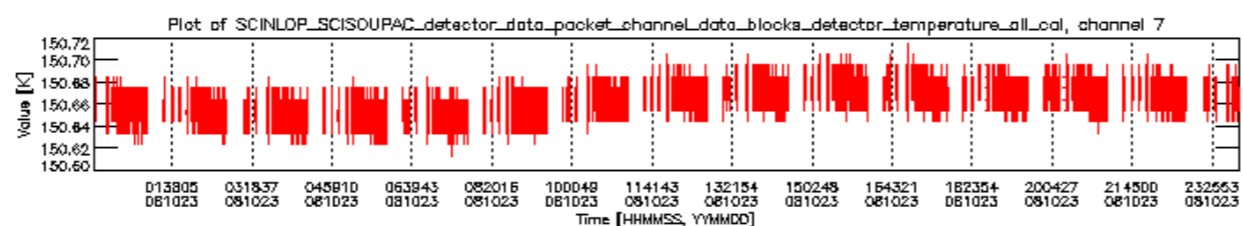
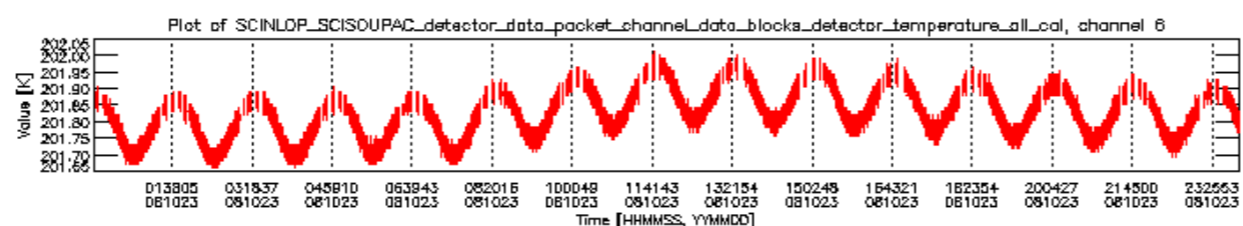
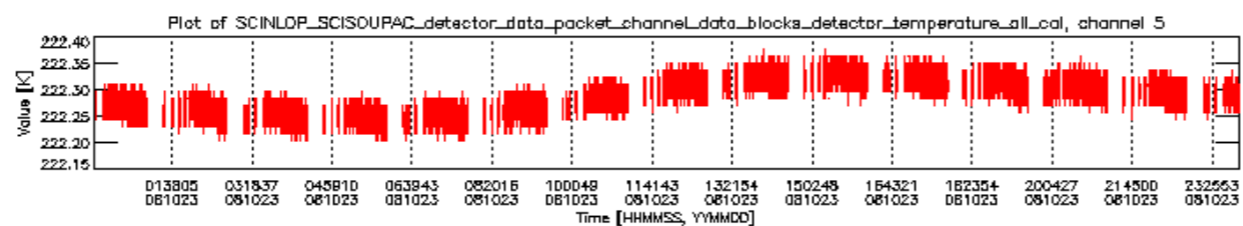
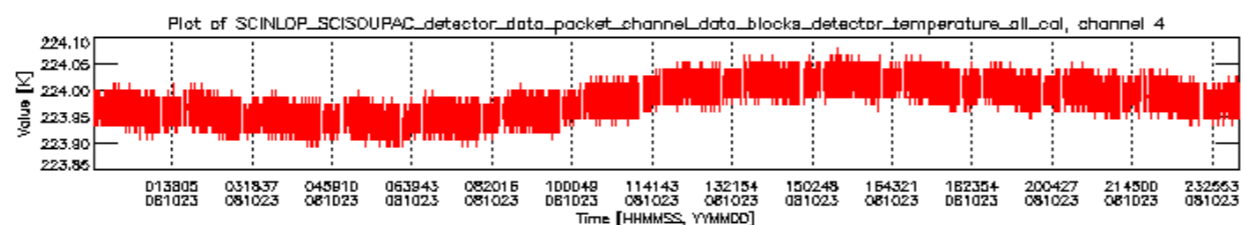
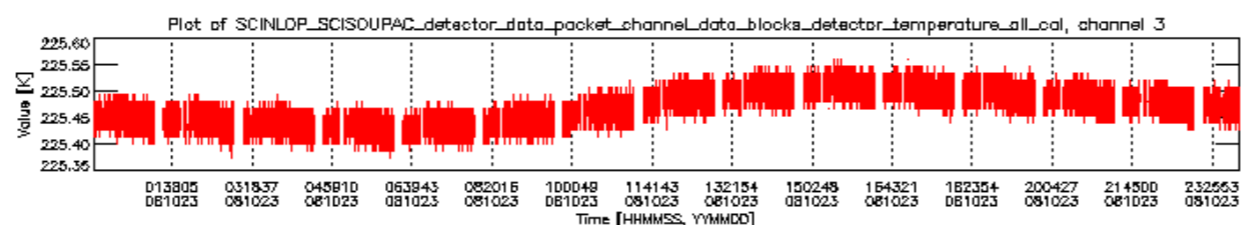
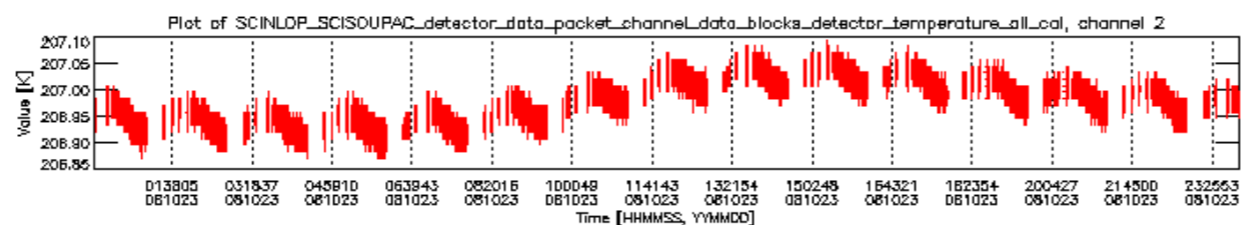
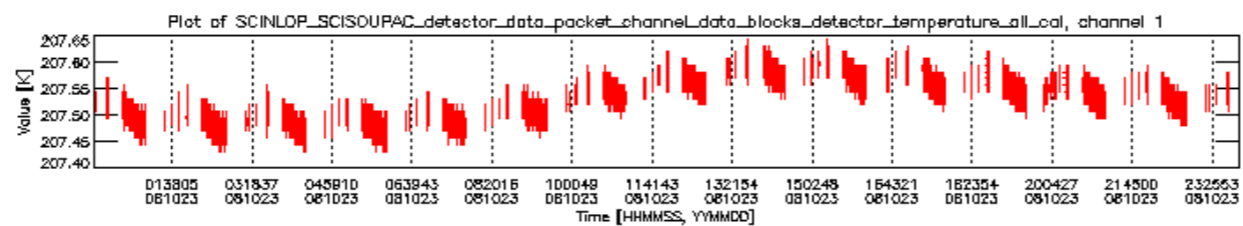


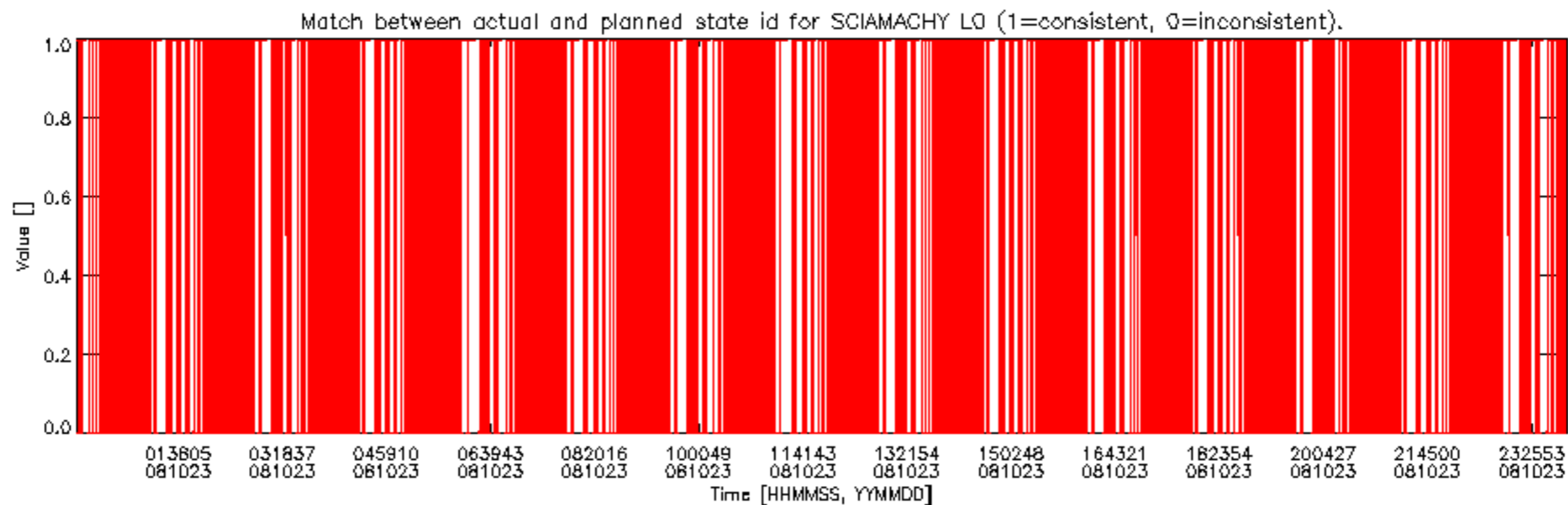
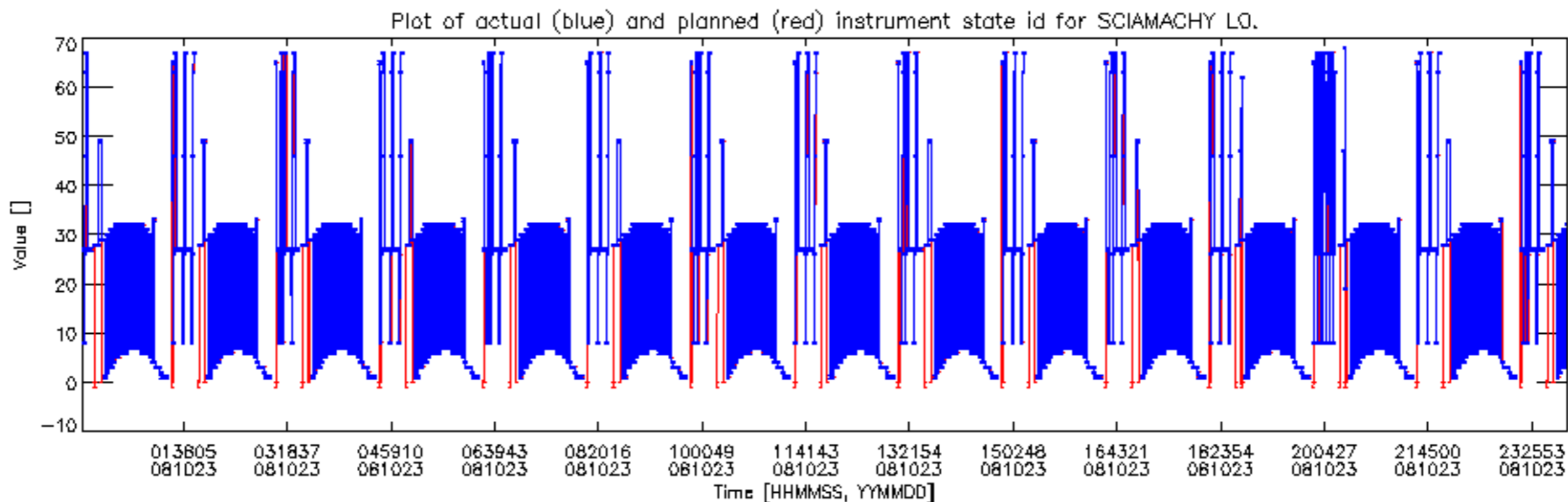












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 23OCT2008.  
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