

# 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	06NOV2008 05:20:16
Data source version	KSPT_L0/4303-N
Processing scope for products	02NOV2008 00:00:00 to 03NOV2008 00:00:00
Start time of first product within scope	02NOV2008 15:12:27
Stop time of last product within scope	03NOV2008 00:36:14
Total number of level 0 products	6
Number of level 0 products with errors	0

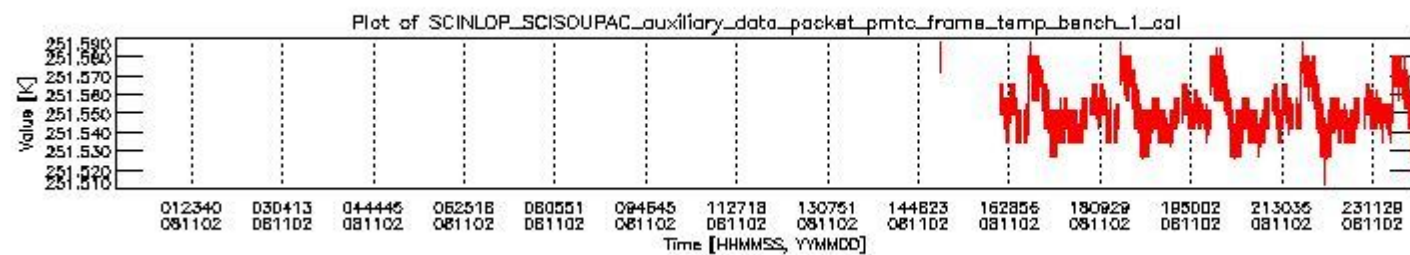
### 0.1.2 Summary per product

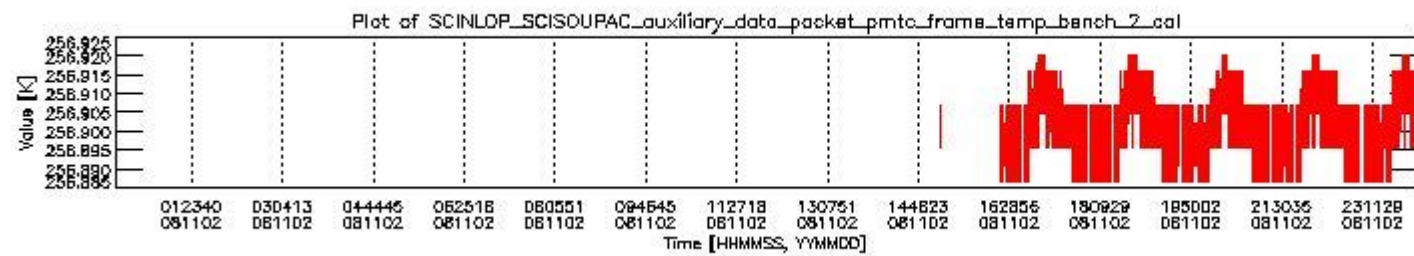
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20081102_151227_000057602073_00283_34906_9829.N1	02NOV2008 15:12:27	02NOV2008 16:48:27	0	0	0	0	0
1	SCI_NL__0PNPDK20081102_164730_000059252073_00284_34907_9830.N1	02NOV2008 16:47:30	02NOV2008 18:26:15	0	0	0	0	0
2	SCI_NL__0PNPDK20081102_182519_000060922073_00285_34908_9831.N1	02NOV2008 18:25:19	02NOV2008 20:06:51	0	0	0	0	0
3	SCI_NL__0PNPDE20081102_200555_000041662073_00286_34909_7825.N1	02NOV2008 20:05:55	02NOV2008 21:15:22	0	0	0	0	0
4	SCI_NL__0PNPDE20081102_211522_000060032073_00286_34909_7826.N1	02NOV2008 21:15:22	02NOV2008 22:55:25	0	0	0	0	0
5	SCI_NL__0PNPDE20081102_230125_000056892073_00287_34910_7827.N1	02NOV2008 23:01:25	03NOV2008 00:36:14	0	0	0	0	0

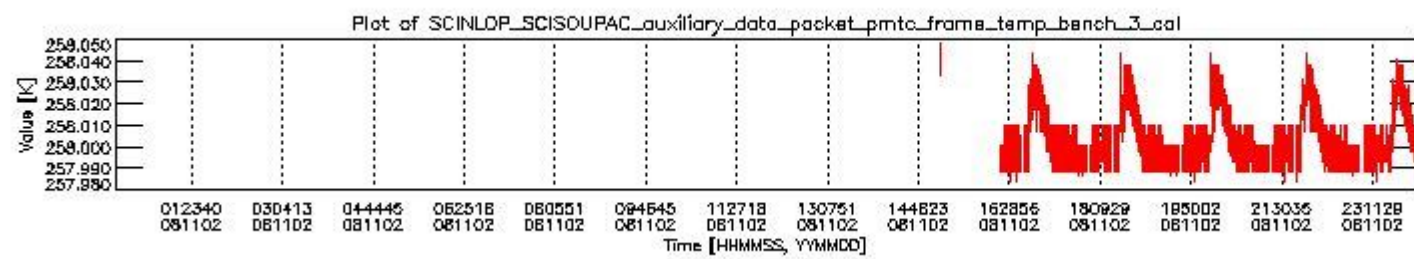
## 0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

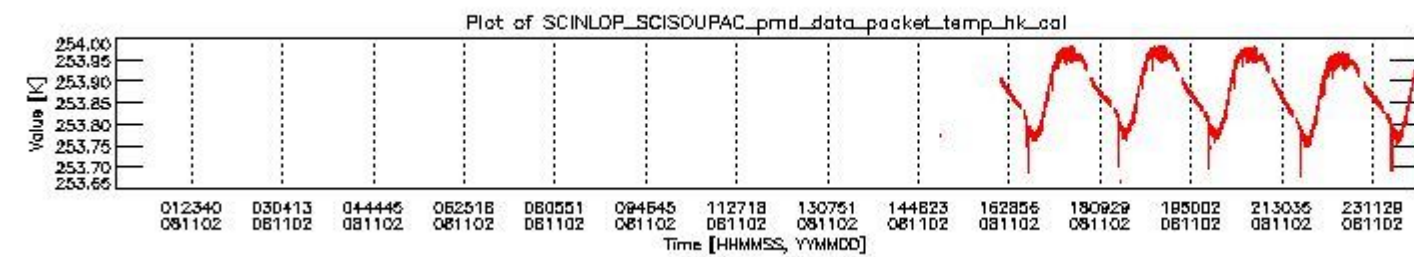




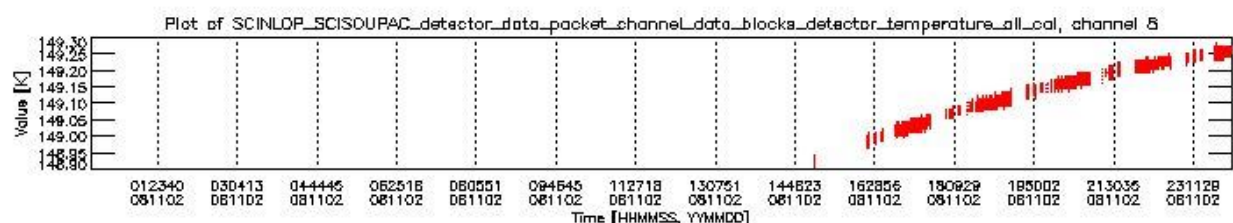
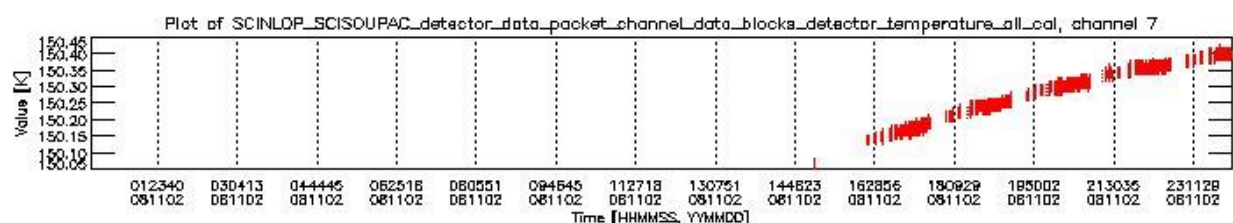
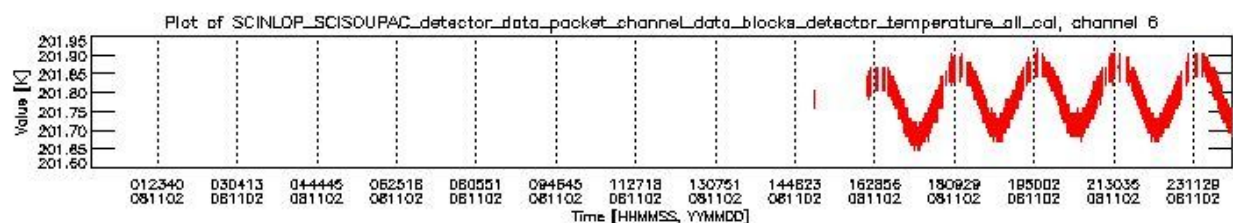
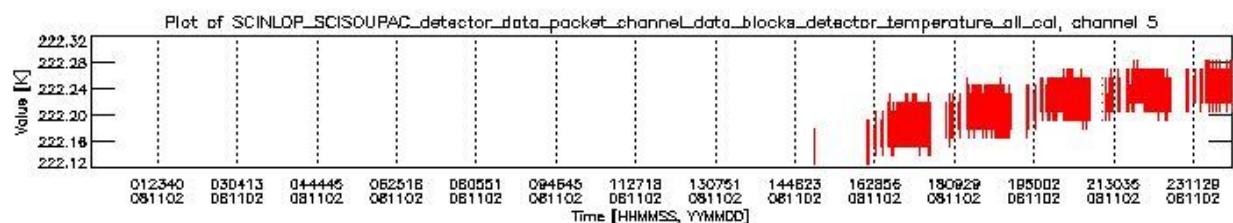
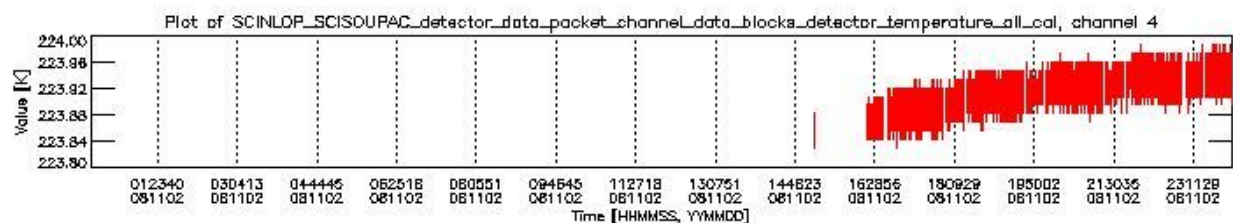
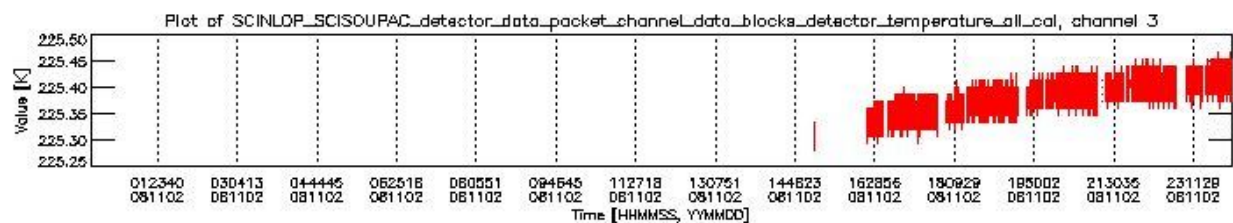
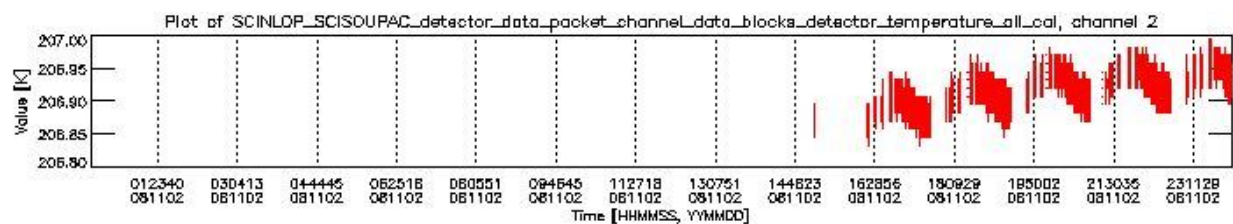
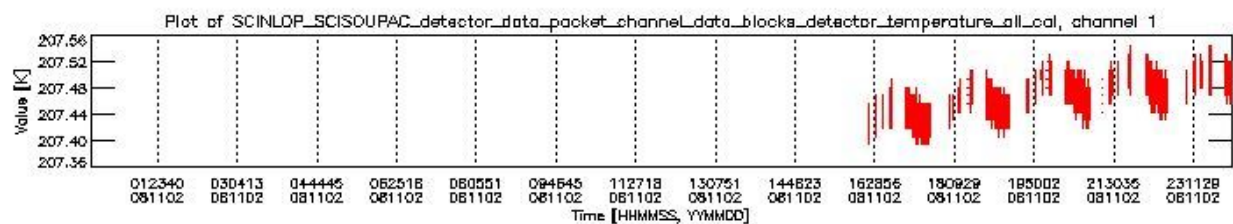
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081102\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081102\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081102\_3.PNG



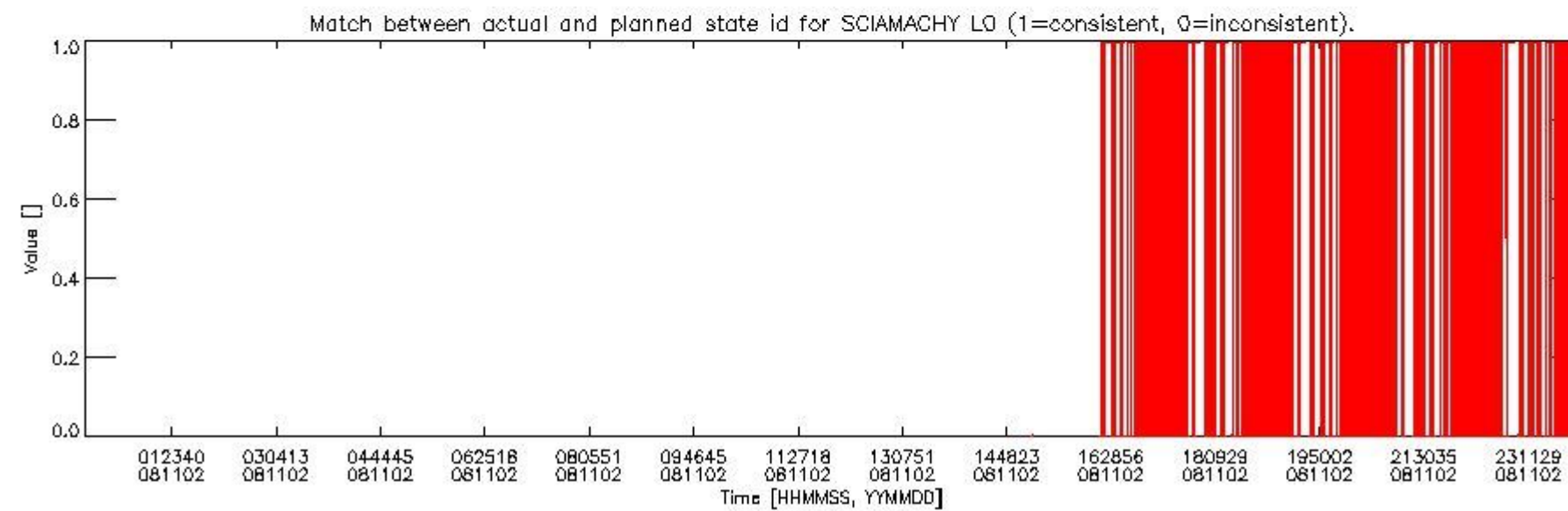
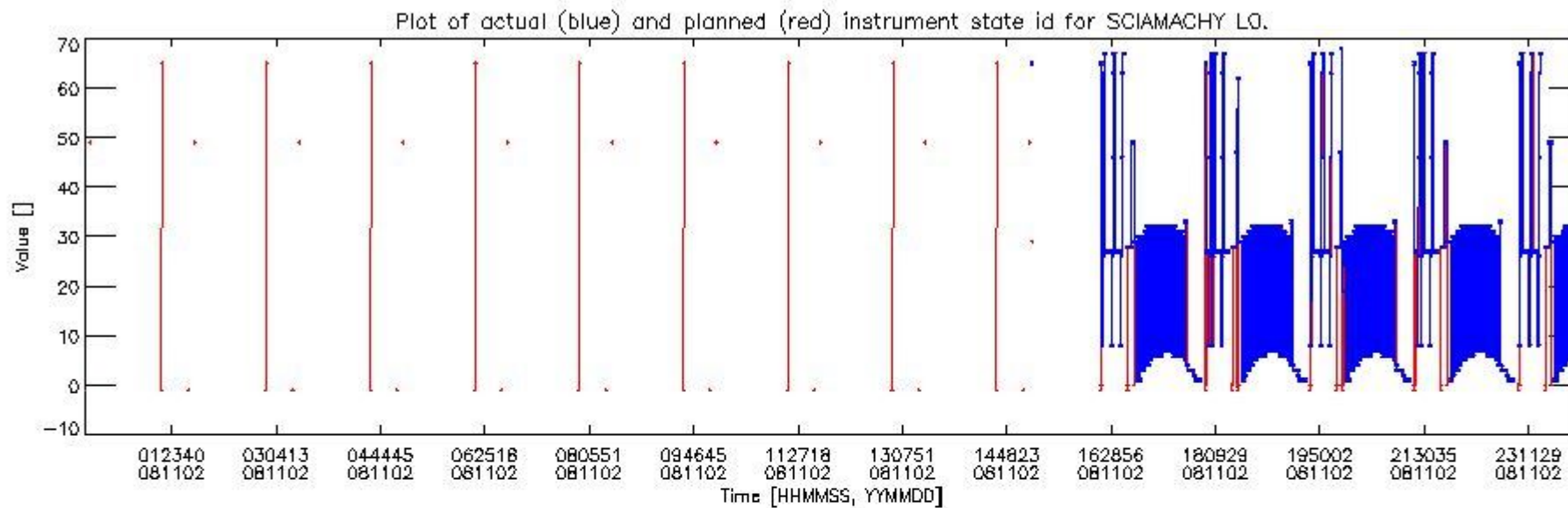
### 0.3 State monitoring

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: **19862**

#	Actual time	Actual value	Planned time	Planned value
0	02NOV2008 15:12:27.438231	65	02NOV2008 15:12:27.438231	29
1	02NOV2008 15:12:28.563230	65	02NOV2008 15:12:28.563230	29
2	02NOV2008 15:12:29.063247	65	02NOV2008 15:12:29.063247	29
3	02NOV2008 15:12:29.563225	65	02NOV2008 15:12:29.563225	29
4	02NOV2008 15:12:30.063242	65	02NOV2008 15:12:30.063242	29
5	02NOV2008 15:12:30.563219	65	02NOV2008 15:12:30.563219	29
6	02NOV2008 15:12:31.063237	65	02NOV2008 15:12:31.063237	29
7	02NOV2008 15:12:31.563254	65	02NOV2008 15:12:31.563254	29
8	02NOV2008 15:12:32.063231	65	02NOV2008 15:12:32.063231	29
9	02NOV2008 15:12:32.438244	65	02NOV2008 15:12:32.438244	29
10	02NOV2008 15:12:32.563249	65	02NOV2008 15:12:32.563249	29
11	02NOV2008 15:12:33.063226	65	02NOV2008 15:12:33.063226	29
12	02NOV2008 15:12:33.563243	65	02NOV2008 15:12:33.563243	29
13	02NOV2008 15:12:34.063220	65	02NOV2008 15:12:34.063220	29
14	02NOV2008 15:12:34.563238	65	02NOV2008 15:12:34.563238	29
15	02NOV2008 15:12:35.063255	65	02NOV2008 15:12:35.063255	29
16	02NOV2008 15:12:35.563232	65	02NOV2008 15:12:35.563232	29
17	02NOV2008 15:12:36.063250	65	02NOV2008 15:12:36.063250	29
18	02NOV2008 15:12:36.563227	65	02NOV2008 15:12:36.563227	29
19	02NOV2008 15:12:37.063244	65	02NOV2008 15:12:37.063244	29
...	...	...	...	...



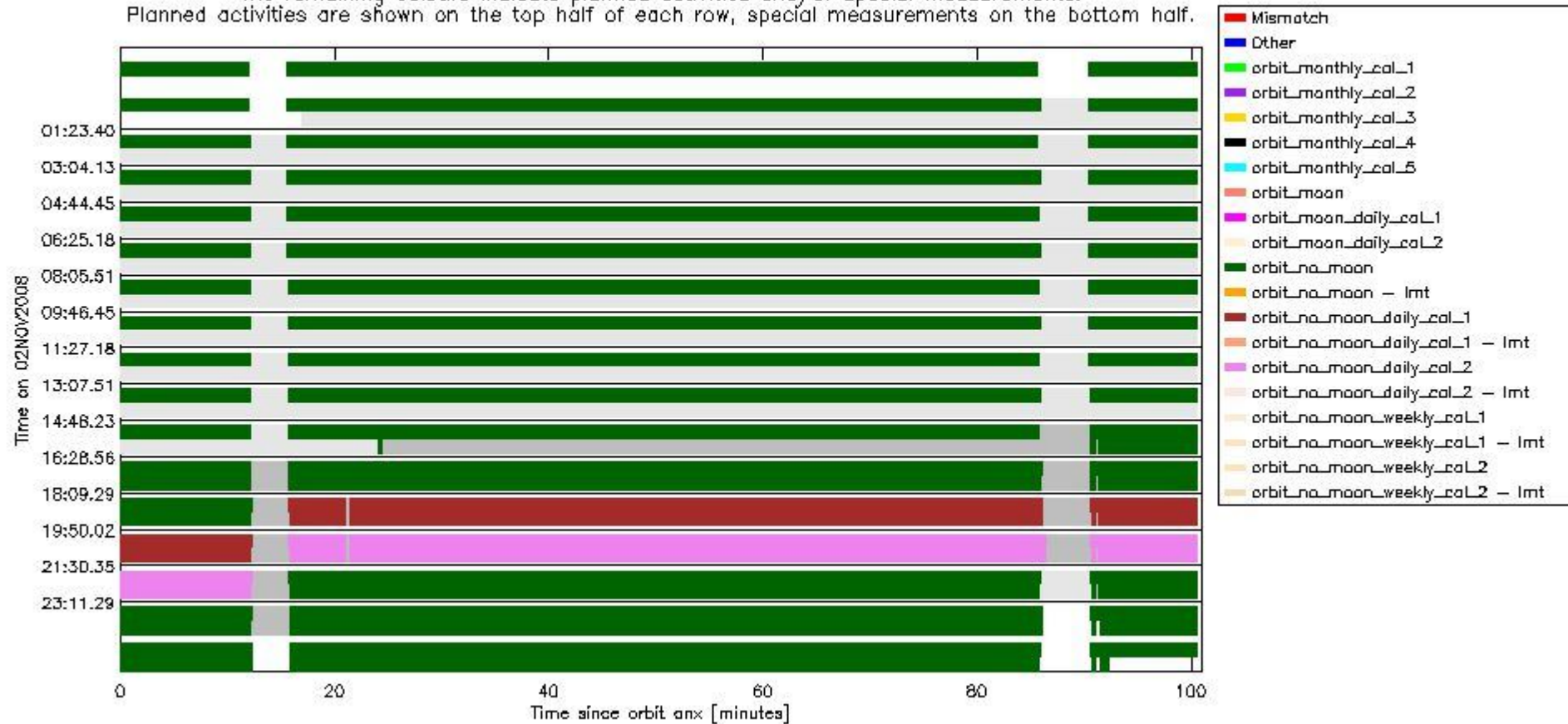


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081102\_5.PNG

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 O2NOV2008.  
 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\_20081102\_6.PNG

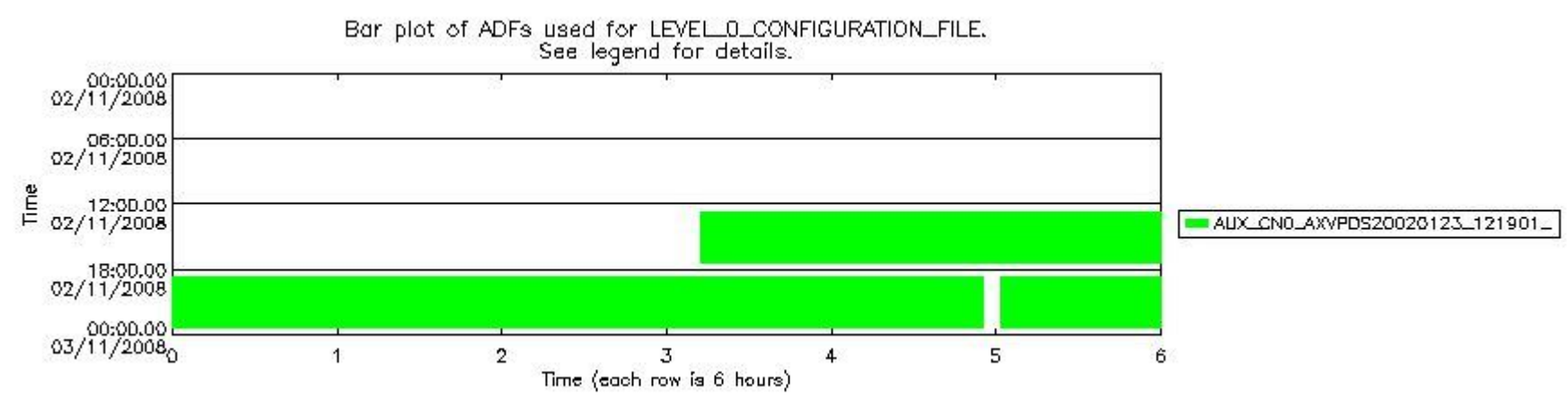
## 0.4 ADF monitoring

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

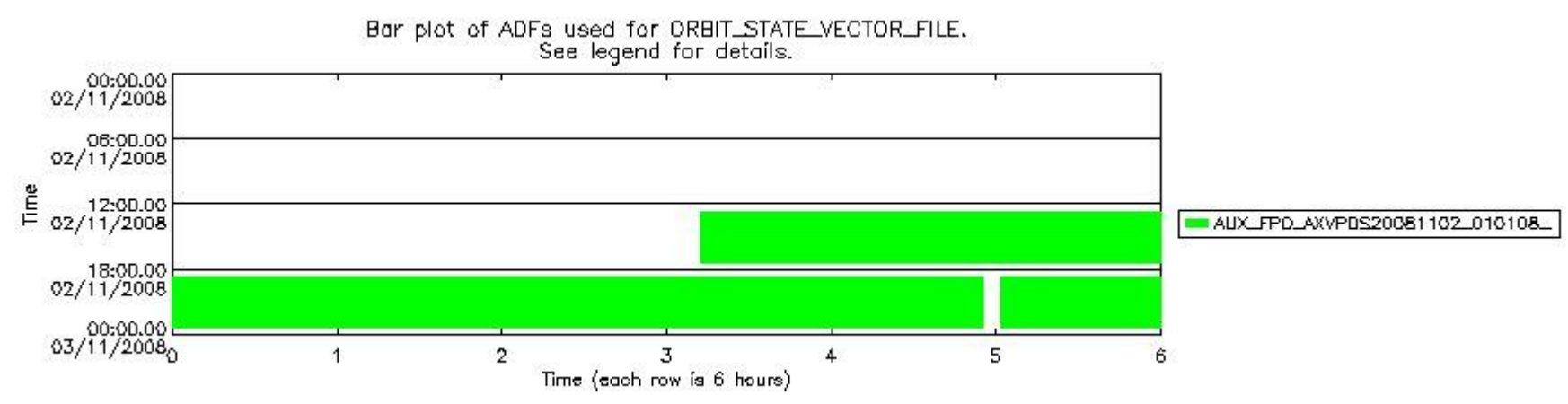
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

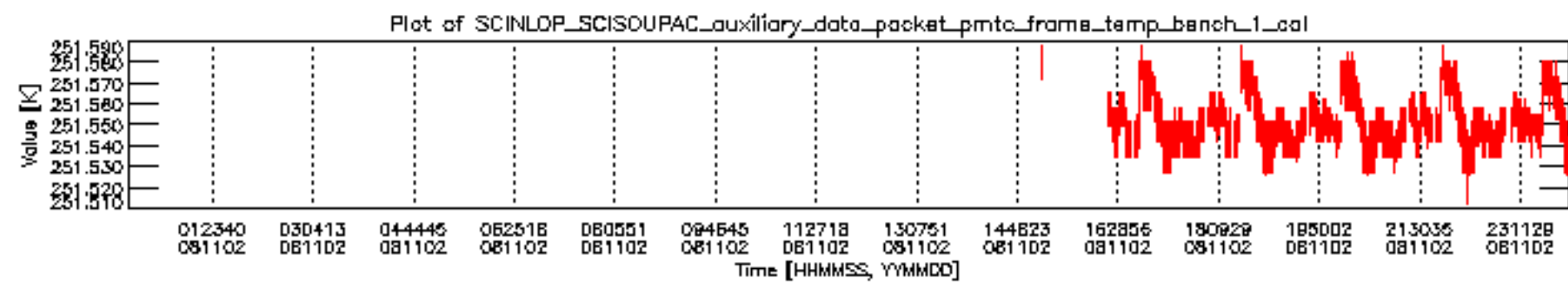
Number	ADF
	<b>CNO (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20081102_010108_20081101_184109_20081111_200721



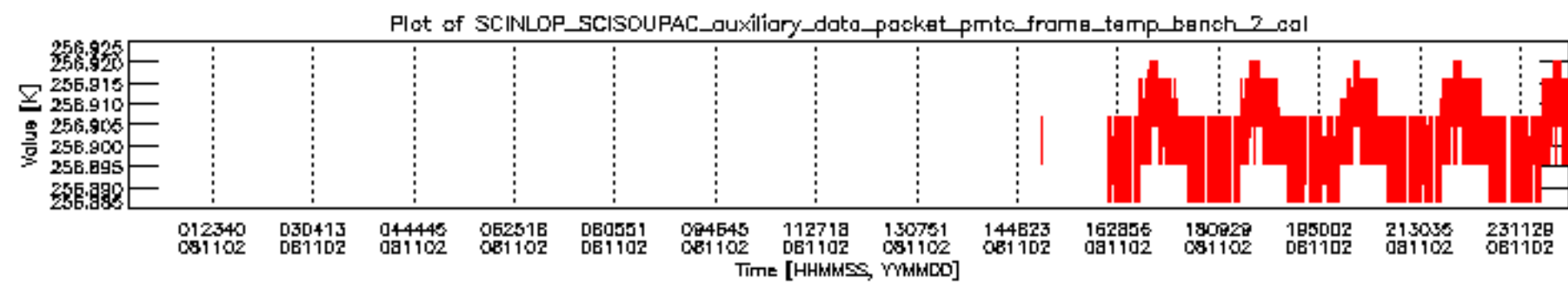
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081102\_7.PNG

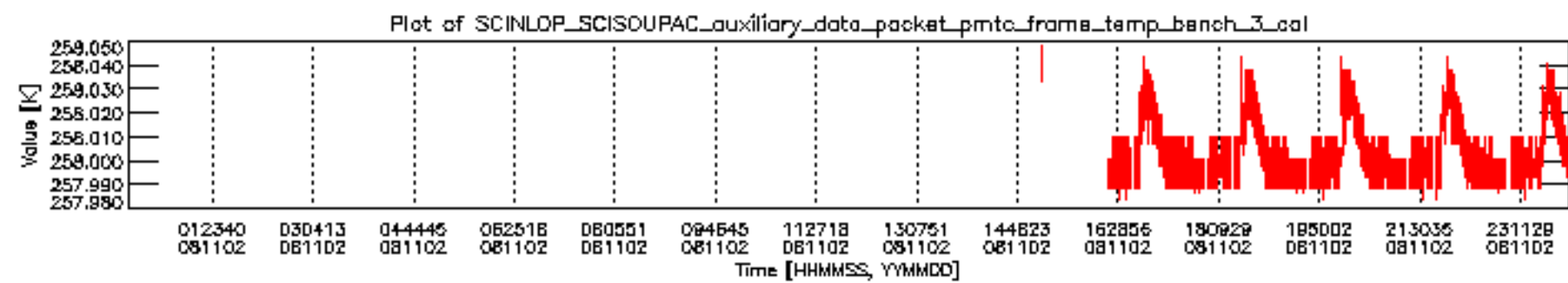


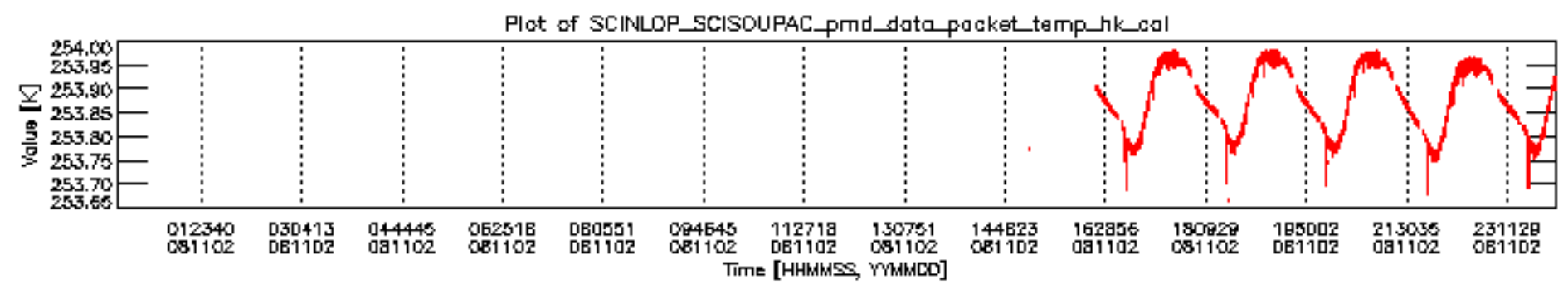
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081102\_8.PNG

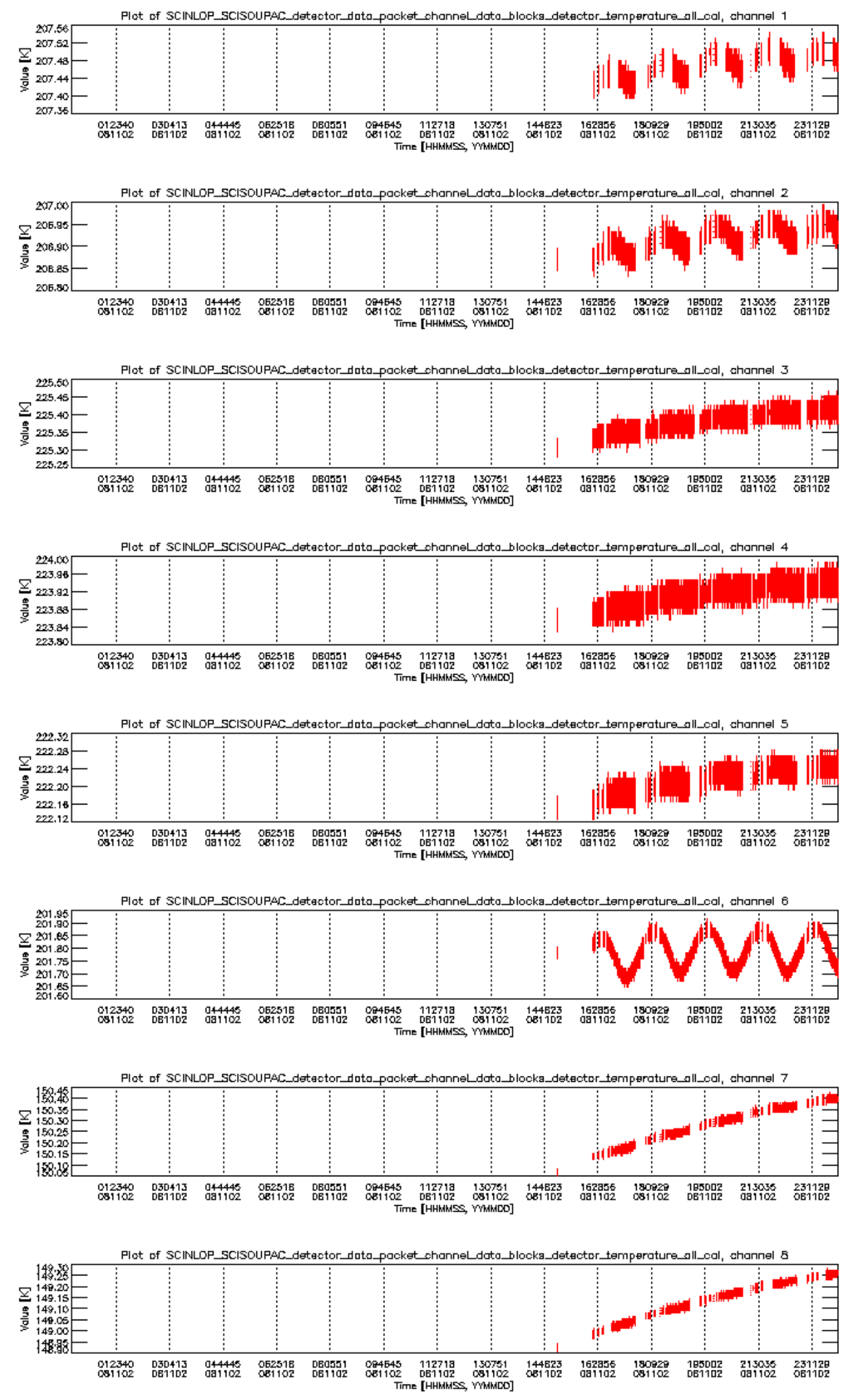


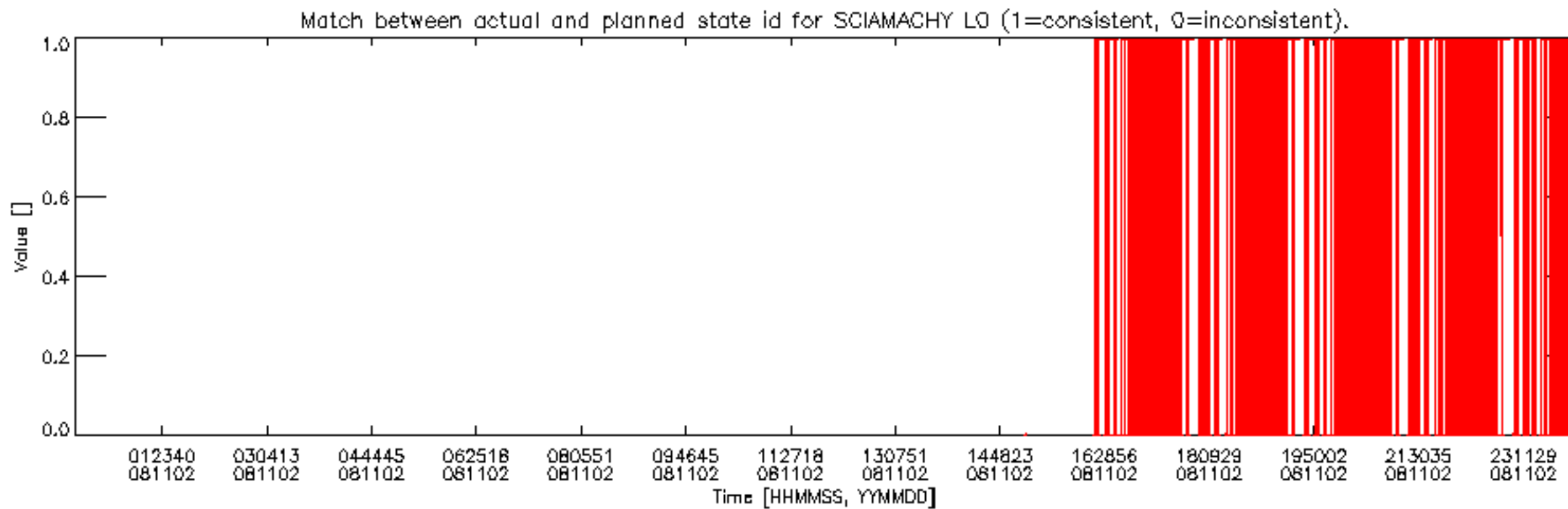
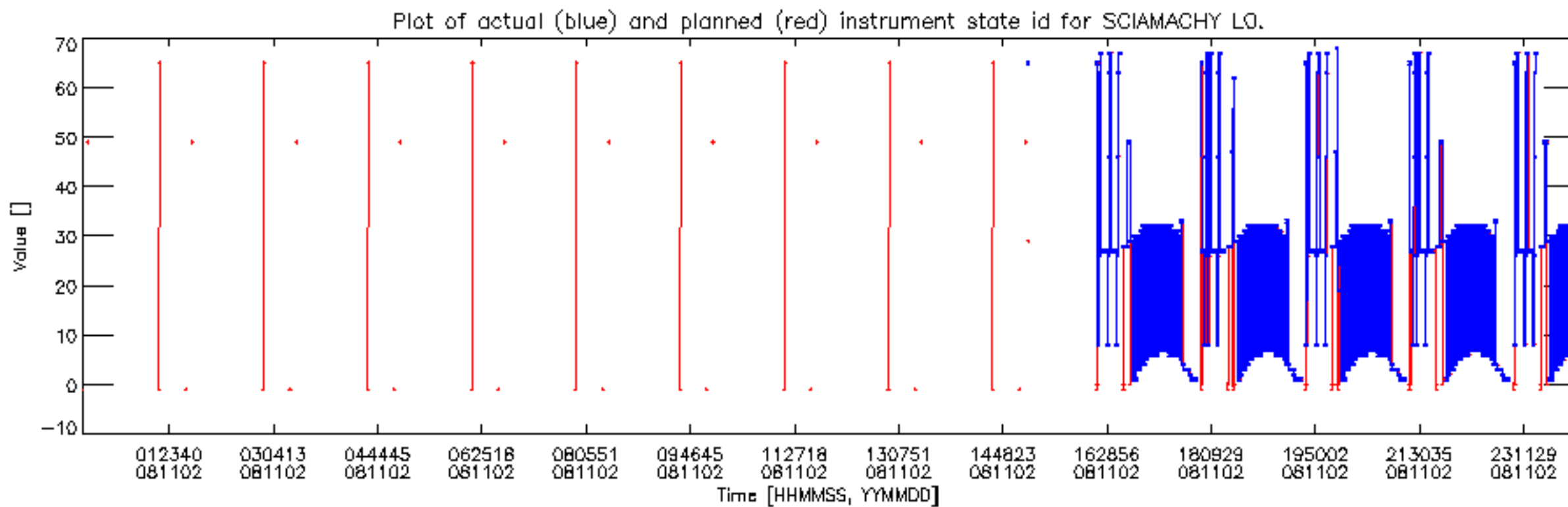














Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 02NOV2008.  
 A medium gray color indicates the time span of available SCI\_NL\_1P products for this day.  
 The remaining colours indicate planned activities and/or special measurements.  
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

