

## 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	v1.4 20100407
Time of report generation	10NOV2011 03:13:22
Data source version	KSPT_L0/4504-N
Processing scope for products	03NOV2011 00:00:00 to 04NOV2011 00:00:00
Start time of first product within scope	03NOV2011 01:11:11
Stop time of last product within scope	03NOV2011 21:05:50
Total number of Level 0 products	12
Number of Level 0 products with errors	0

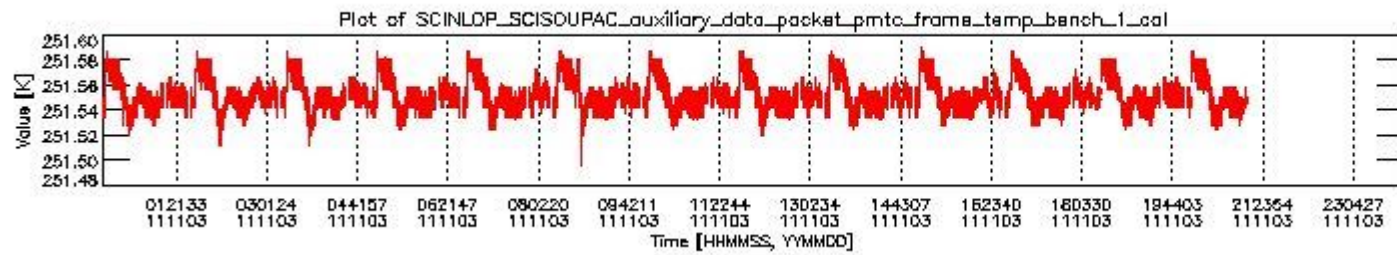
### 0.1.2 Summary per product

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

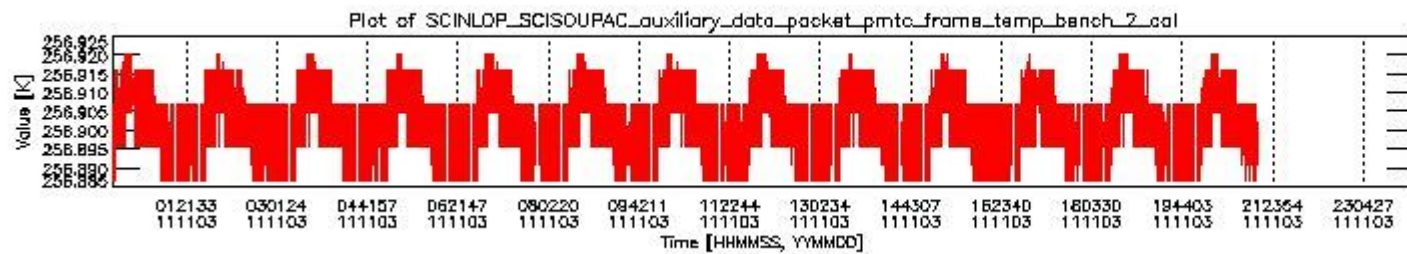
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20111103_011111_000101143108_00160_50605_7453.N1	03NOV2011 01:11:11	03NOV2011 03:59:46	0	0	0	0	0
1	SCI_NL__OPNPDE20111103_035946_000061523108_00162_50607_7454.N1	03NOV2011 03:59:46	03NOV2011 05:42:17	0	0	0	0	0
2	SCI_NL__OPNPDE20111103_054109_000061913108_00163_50608_7455.N1	03NOV2011 05:41:09	03NOV2011 07:24:20	0	0	0	0	0
3	SCI_NL__OPNPDK20111103_072326_000039283108_00164_50609_6290.N1	03NOV2011 07:23:26	03NOV2011 08:28:53	0	0	0	0	0
4	SCI_NL__OPNPDK20111103_082759_000060683108_00165_50610_6291.N1	03NOV2011 08:27:59	03NOV2011 10:09:08	0	0	0	0	0
5	SCI_NL__OPNPDK20111103_100759_000060293108_00166_50611_6292.N1	03NOV2011 10:07:59	03NOV2011 11:48:28	0	0	0	0	0
6	SCI_NL__OPNPDK20111103_114719_000061373108_00167_50612_6293.N1	03NOV2011 11:47:19	03NOV2011 13:29:36	0	0	0	0	0
7	SCI_NL__OPNPDK20111103_132734_000060143108_00168_50613_6294.N1	03NOV2011 13:27:34	03NOV2011 15:07:48	0	0	0	0	0
8	SCI_NL__OPNPDK20111103_150600_000058223108_00169_50614_6295.N1	03NOV2011 15:06:00	03NOV2011 16:43:02	0	0	0	0	0
9	SCI_NL__OPNPDK20111103_164302_000059053108_00170_50615_6296.N1	03NOV2011 16:43:02	03NOV2011 18:21:27	0	0	0	0	0
10	SCI_NL__OPNPDK20111103_182033_000056813108_00171_50616_6297.N1	03NOV2011 18:20:33	03NOV2011 19:55:13	0	0	0	0	0
11	SCI_NL__OPNPDE20111103_195953_000039573108_00172_50617_7456.N1	03NOV2011 19:59:53	03NOV2011 21:05:50	0	0	0	0	0

## 0.2 Product Quality Indicators

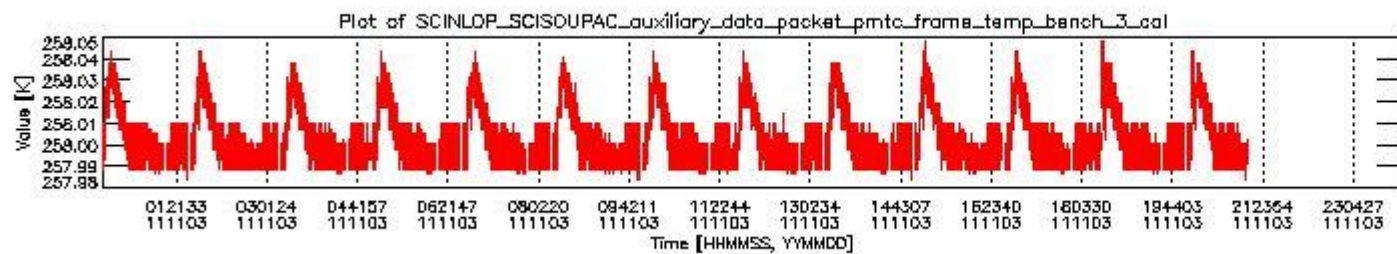
This section shows information about product quality, currently temperatures.



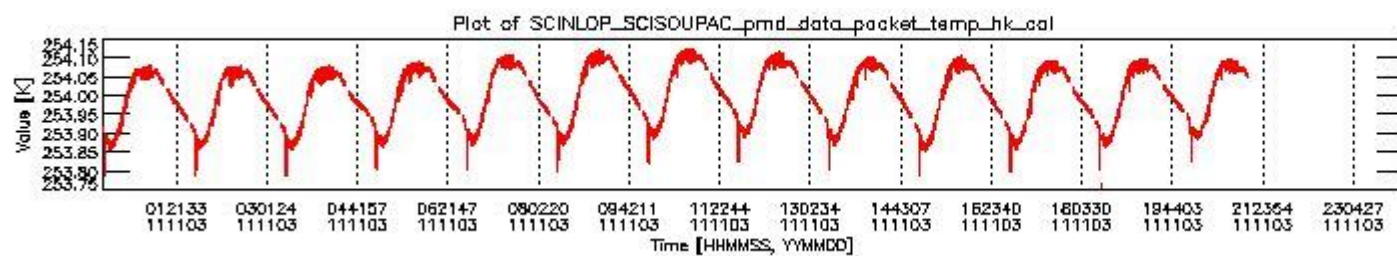
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111103\_0.PNG



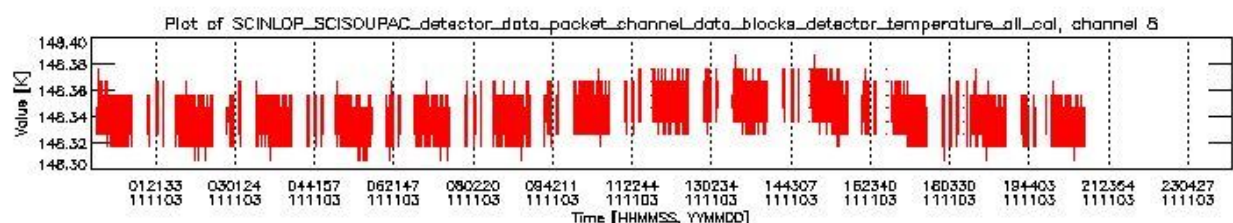
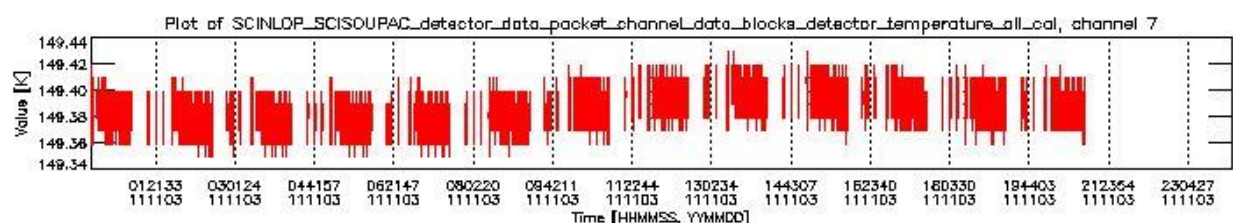
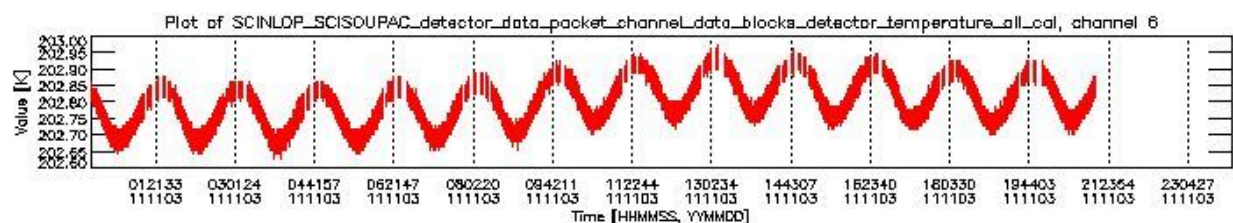
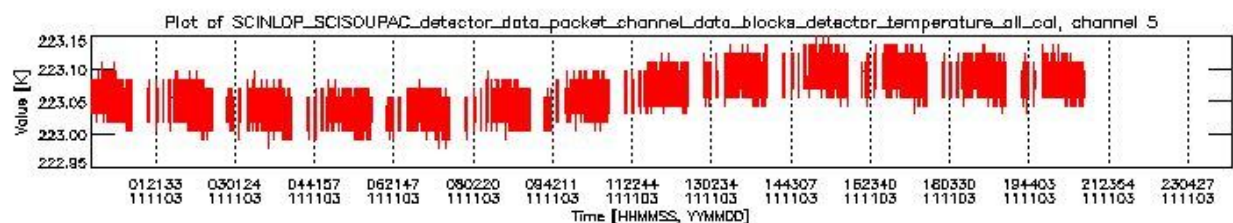
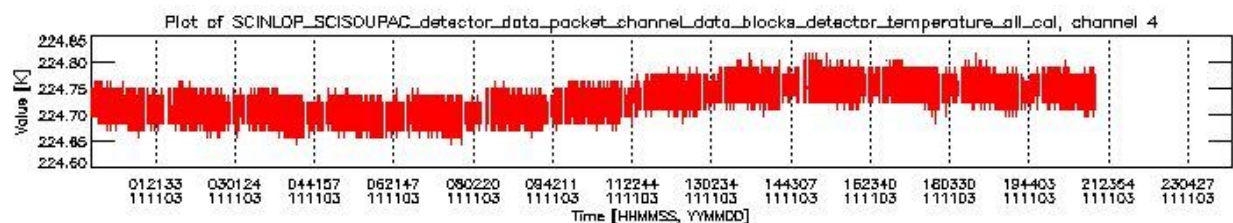
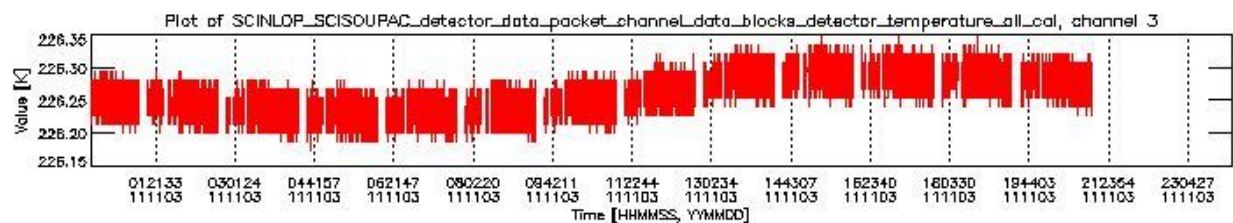
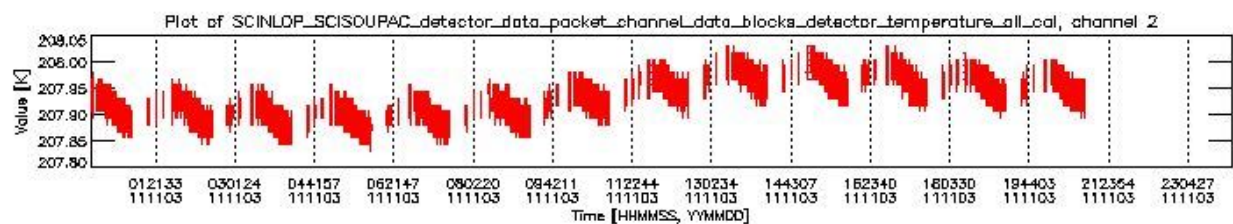
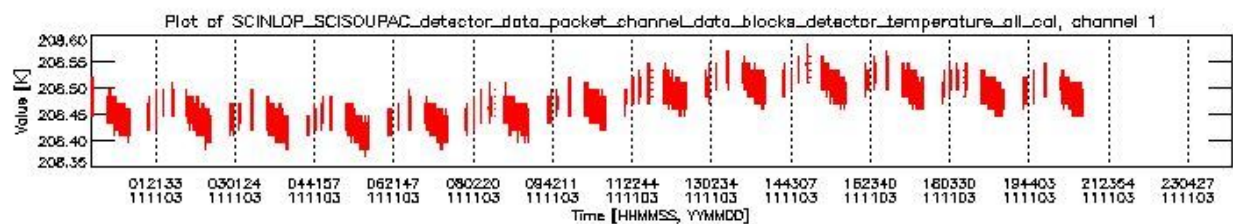
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111103\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111103\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111103\_3.PNG

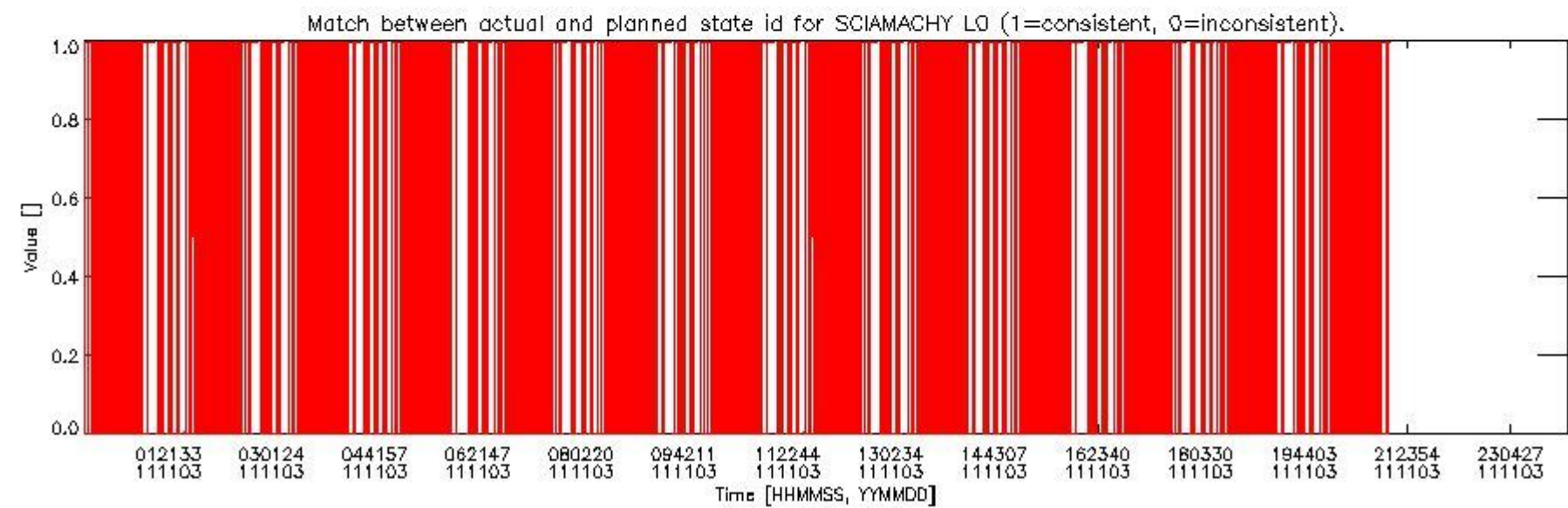
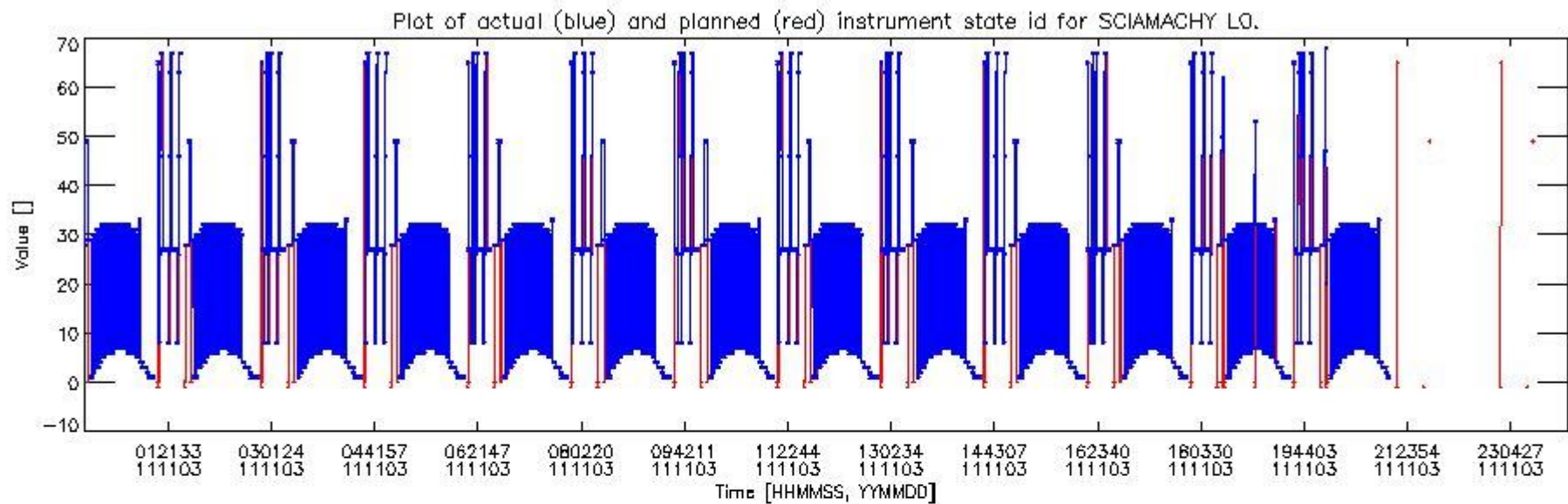


### 0.3 State monitoring

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: **43328**

#	Actual time	Actual value	Planned time	Planned value
0	03NOV2011 00:00:38.922820	49	03NOV2011 00:00:38.922820	28
1	03NOV2011 00:00:39.110320	49	03NOV2011 00:00:39.110320	28
2	03NOV2011 00:00:39.172820	49	03NOV2011 00:00:39.172820	28
3	03NOV2011 00:00:39.235320	49	03NOV2011 00:00:39.235320	28
4	03NOV2011 00:00:39.297820	49	03NOV2011 00:00:39.297820	28
5	03NOV2011 00:00:39.360320	49	03NOV2011 00:00:39.360320	28
6	03NOV2011 00:00:39.422820	49	03NOV2011 00:00:39.422820	28
7	03NOV2011 00:00:39.485320	49	03NOV2011 00:00:39.485320	28
8	03NOV2011 00:00:39.547820	49	03NOV2011 00:00:39.547820	28
9	03NOV2011 00:00:39.610320	49	03NOV2011 00:00:39.610320	28
10	03NOV2011 00:00:39.672820	49	03NOV2011 00:00:39.672820	28
11	03NOV2011 00:00:39.735320	49	03NOV2011 00:00:39.735320	28
12	03NOV2011 00:00:39.797820	49	03NOV2011 00:00:39.797820	28
13	03NOV2011 00:00:39.860320	49	03NOV2011 00:00:39.860320	28
14	03NOV2011 00:00:39.922820	49	03NOV2011 00:00:39.922820	28
15	03NOV2011 00:00:39.985320	49	03NOV2011 00:00:39.985320	28
16	03NOV2011 00:00:40.047820	49	03NOV2011 00:00:40.047820	28
17	03NOV2011 00:00:40.110320	49	03NOV2011 00:00:40.110320	28
18	03NOV2011 00:00:40.172820	49	03NOV2011 00:00:40.172820	28
19	03NOV2011 00:00:40.235320	49	03NOV2011 00:00:40.235320	28
	...	...	...	...

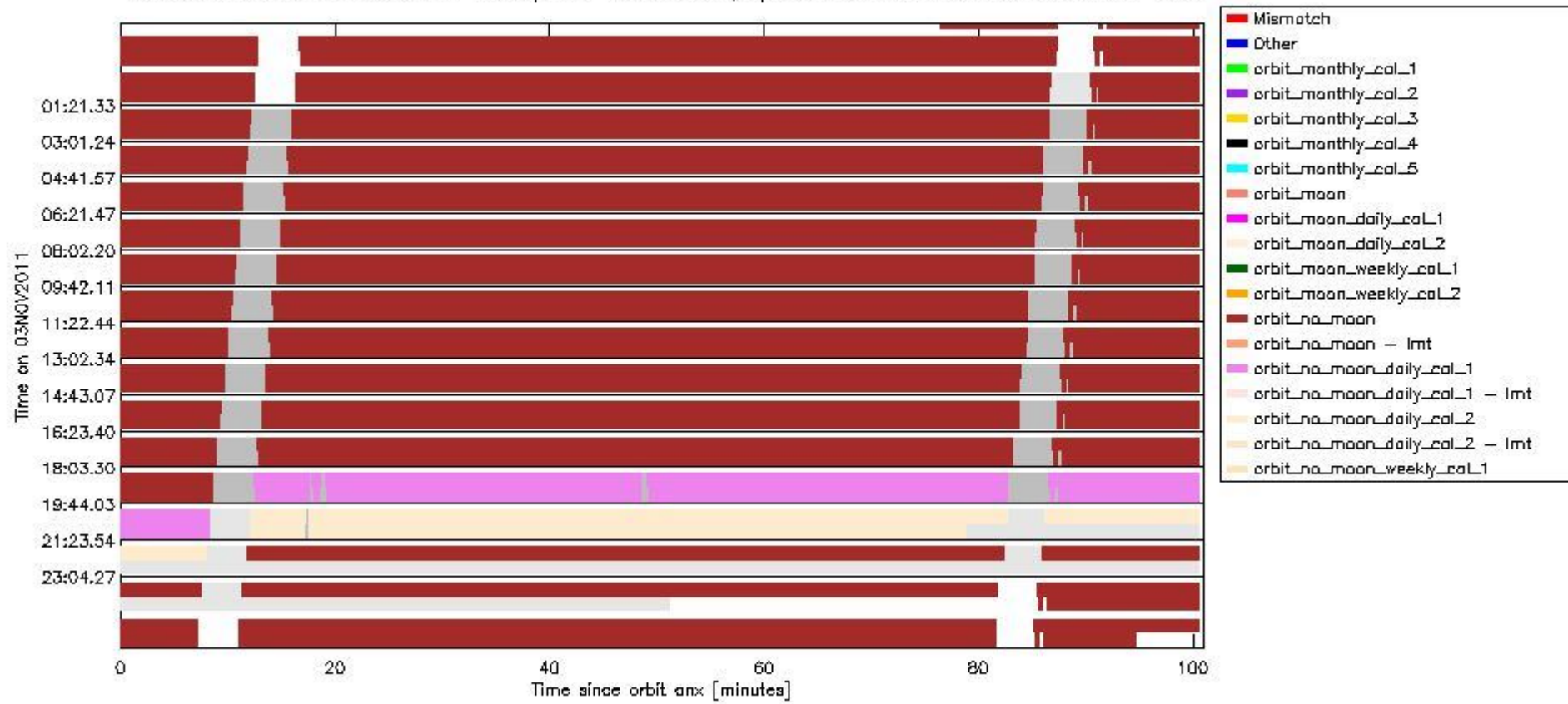


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111103\_5.PNG

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 O3NOV2011.  
 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\_4504\_N\_20111103\_6.PNG

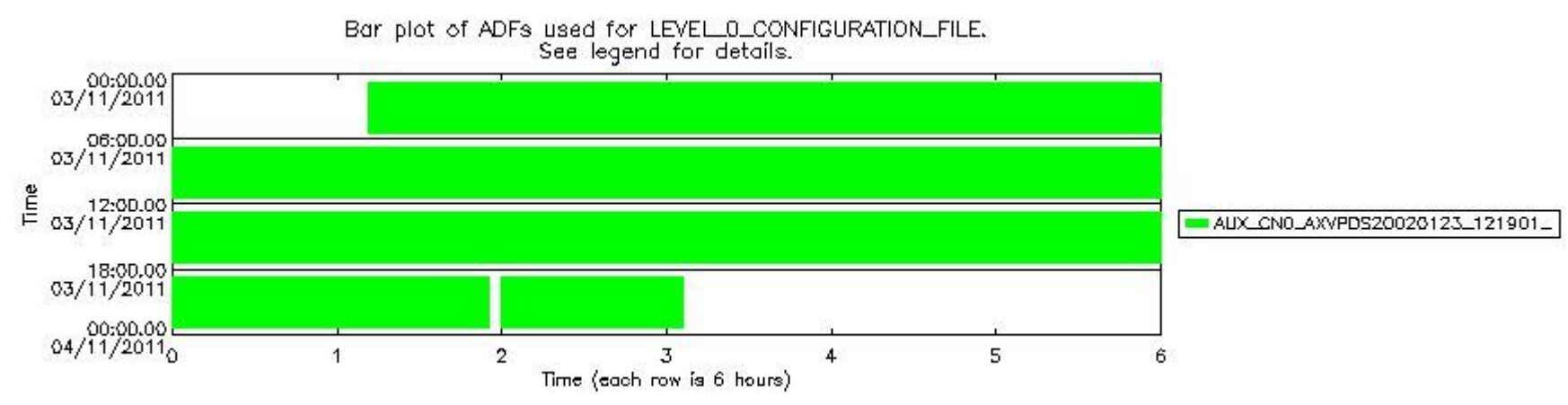
## 0.4 ADF monitoring

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

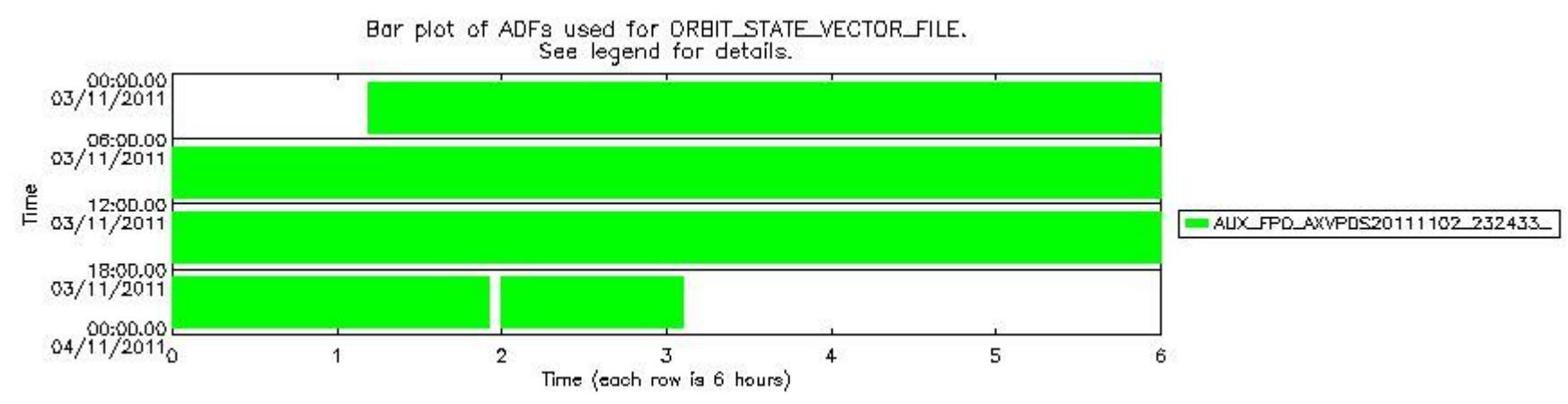
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

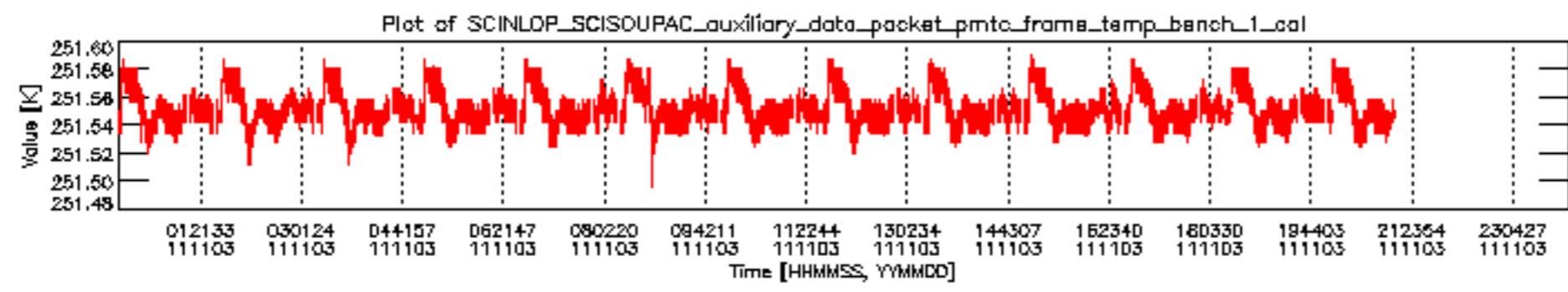
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20111102_232433_20111102_184018_20111112_205400



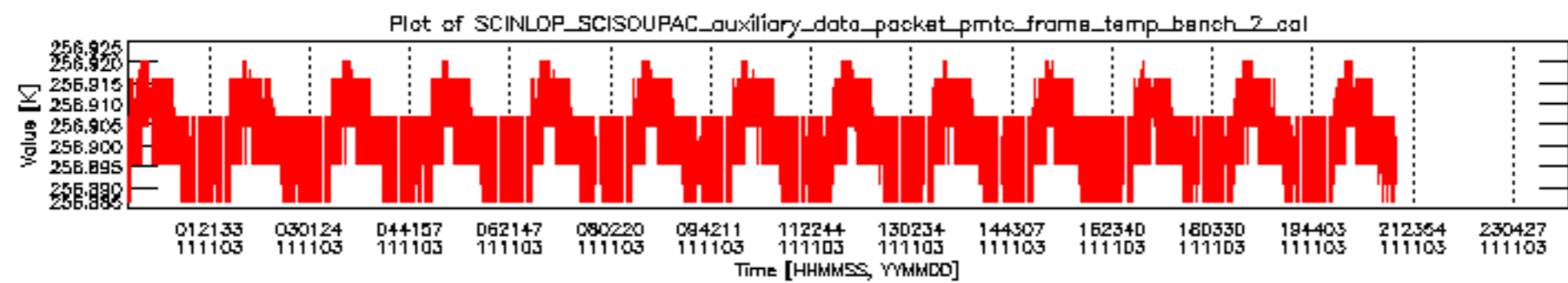
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111103\_7.PNG

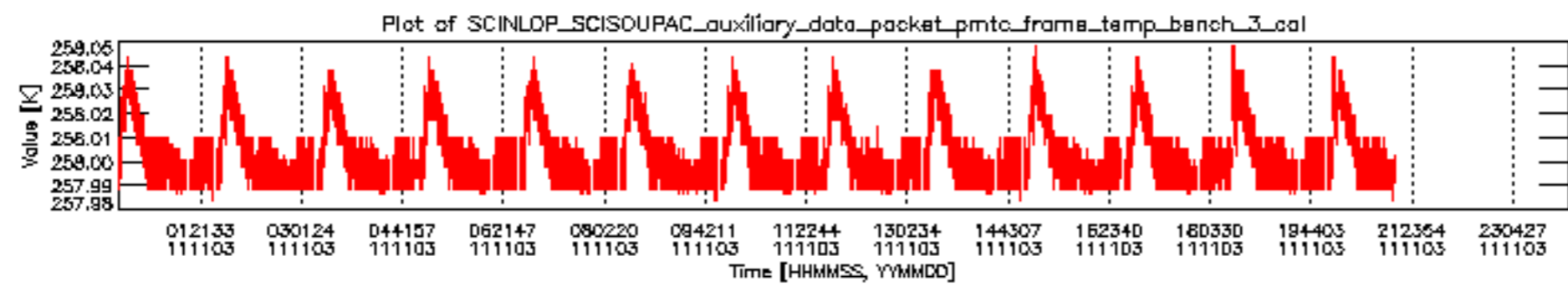


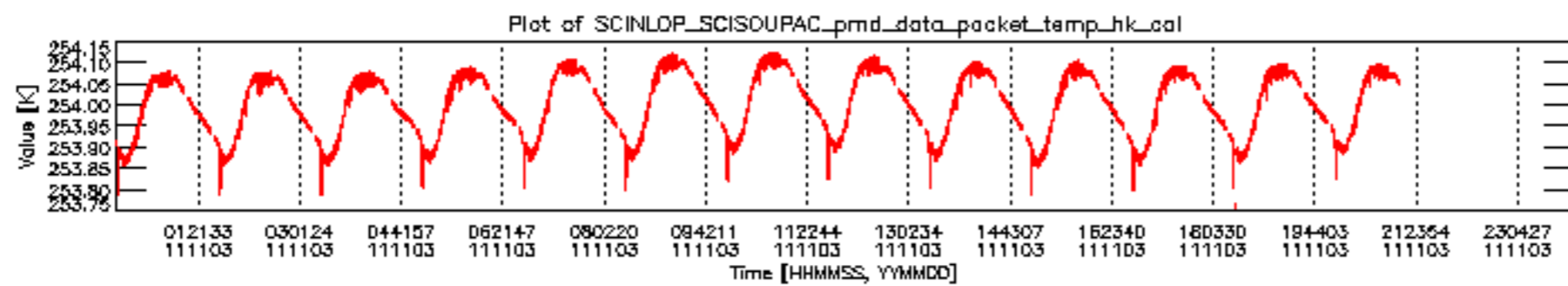
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111103\_8.PNG

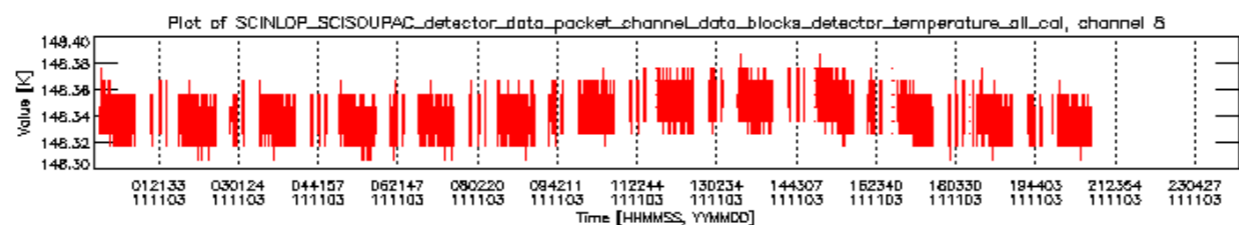
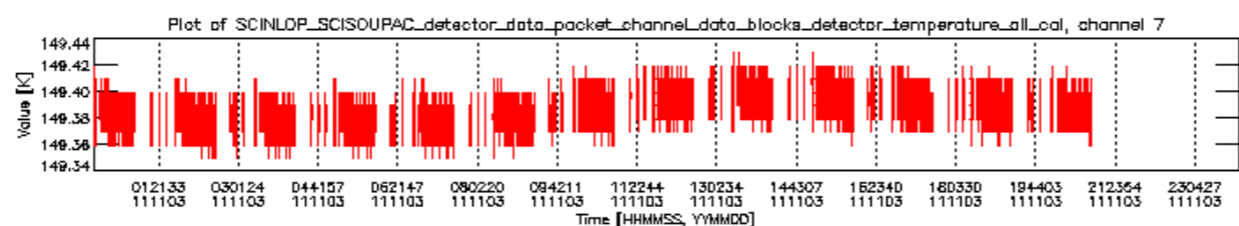
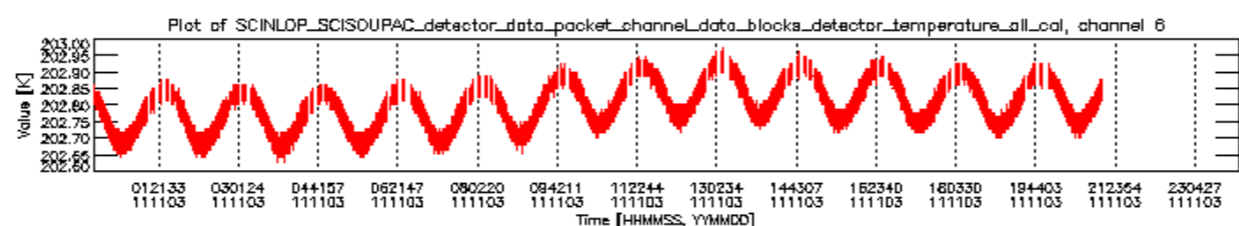
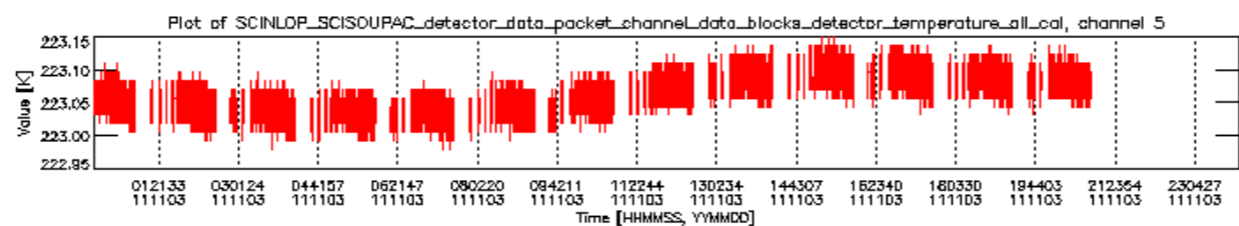
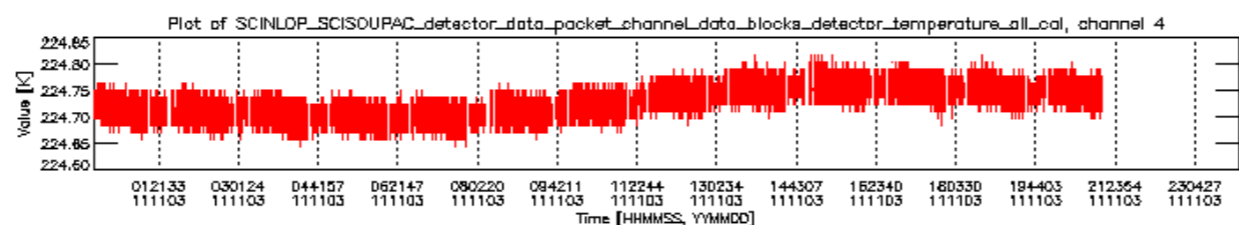
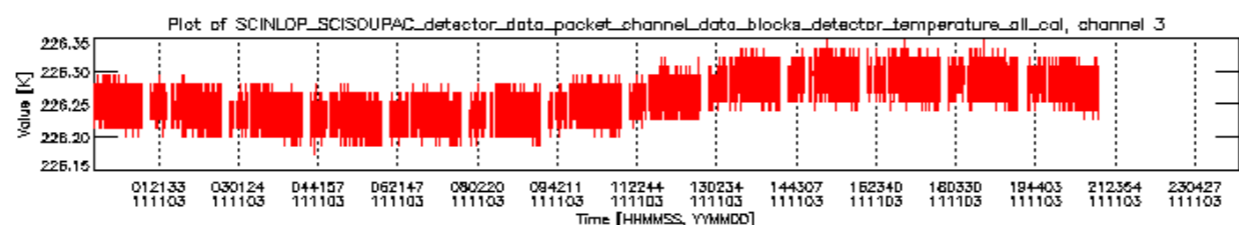
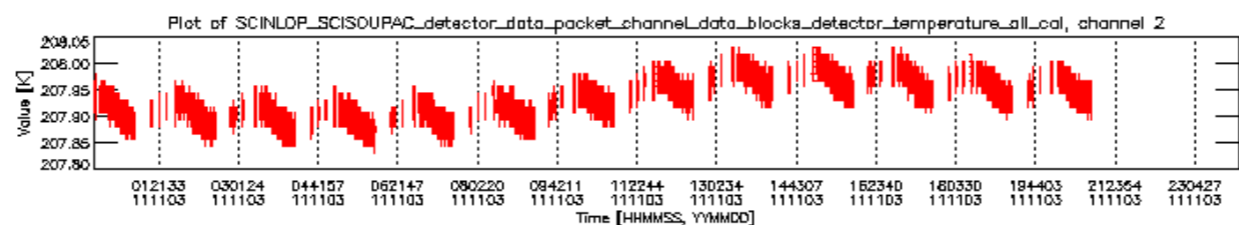
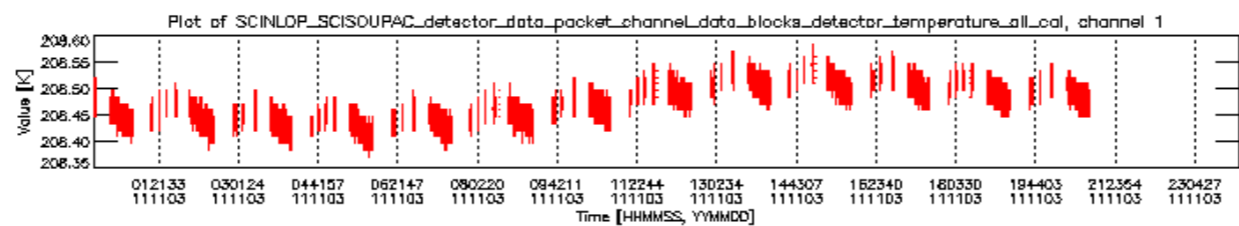


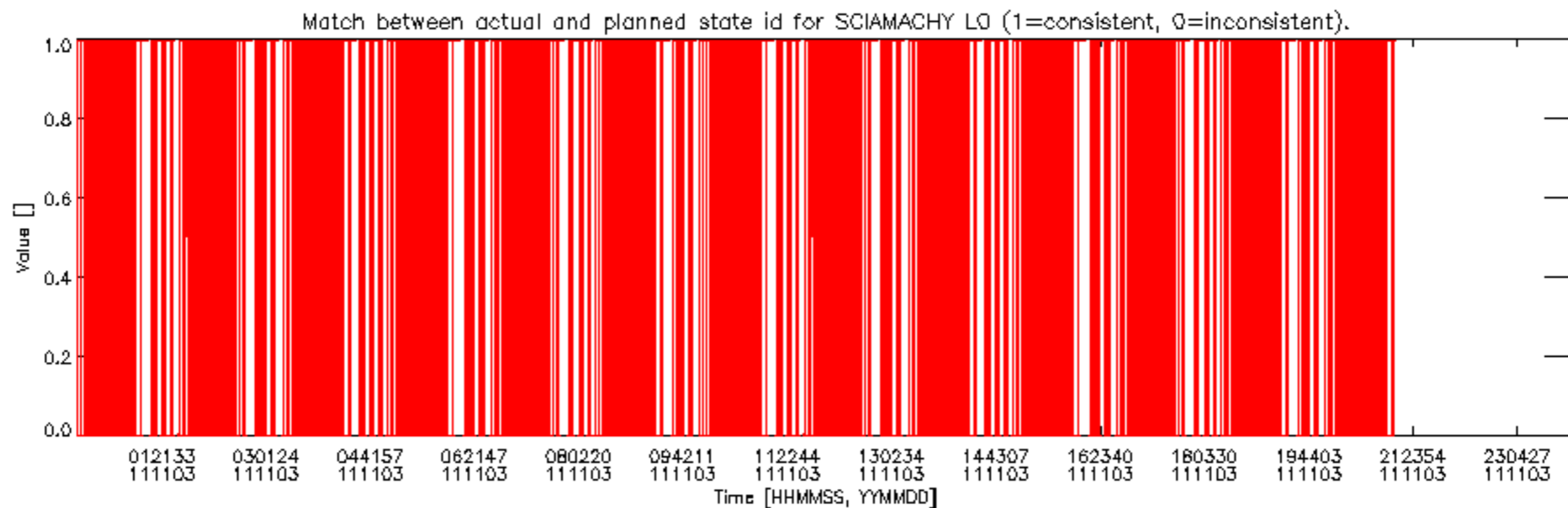
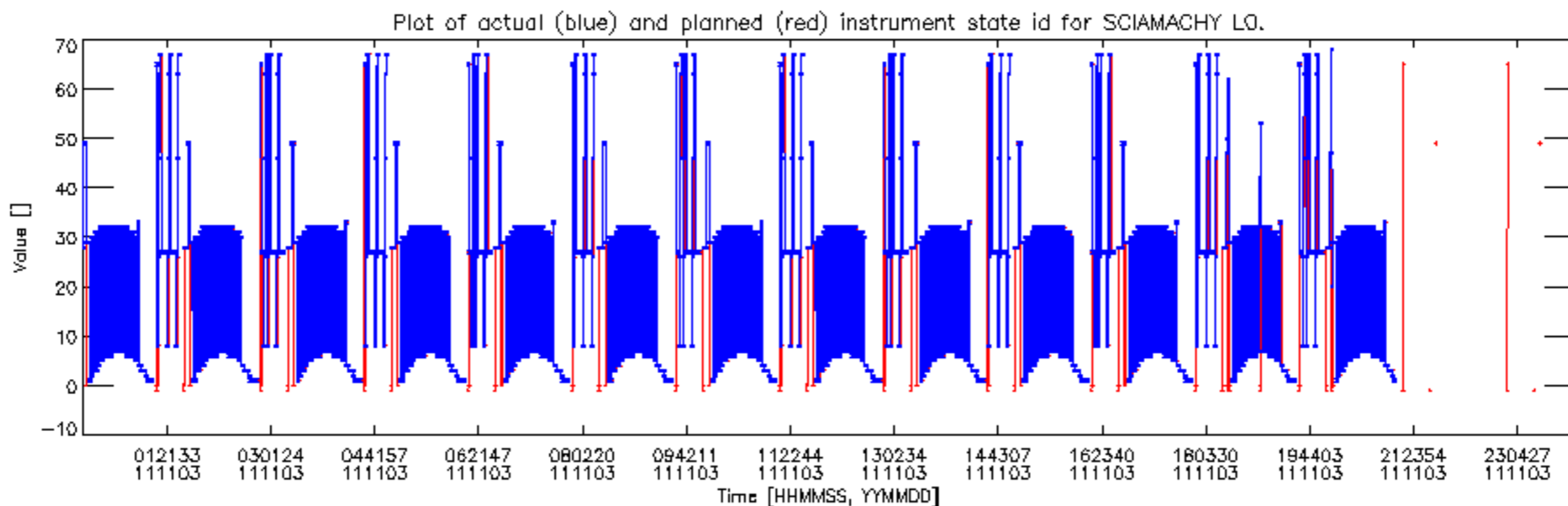












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 03NOV2011.  
 A medium gray color indicates the time span of available SCI\_NL\_1P products for this day.  
 The remaining colours indicate planned activities and/or special measurements.  
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

