

## 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	13DEC2009 05:57:53
Data source version	KSPT_L0/4303-N
Processing scope for products	09DEC2009 00:00:00 to 10DEC2009 00:00:00
Start time of first product within scope	08DEC2009 22:54:55
Stop time of last product within scope	10DEC2009 00:03:42
Total number of level 0 products	16
Number of level 0 products with errors	1

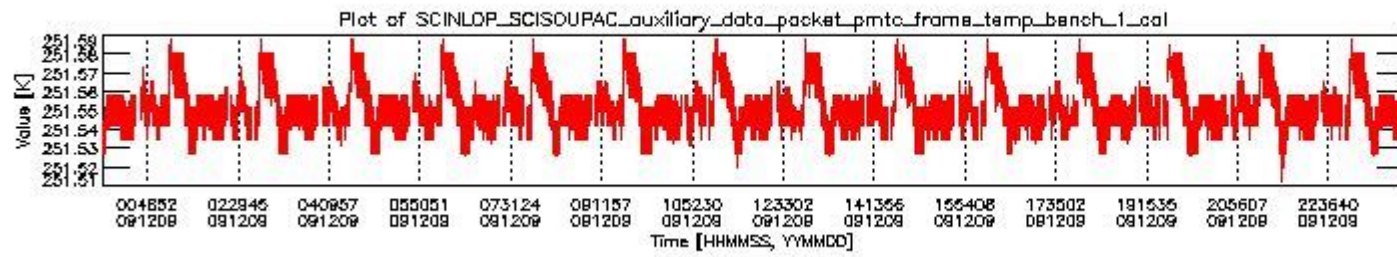
### 0.1.2 Summary per product

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

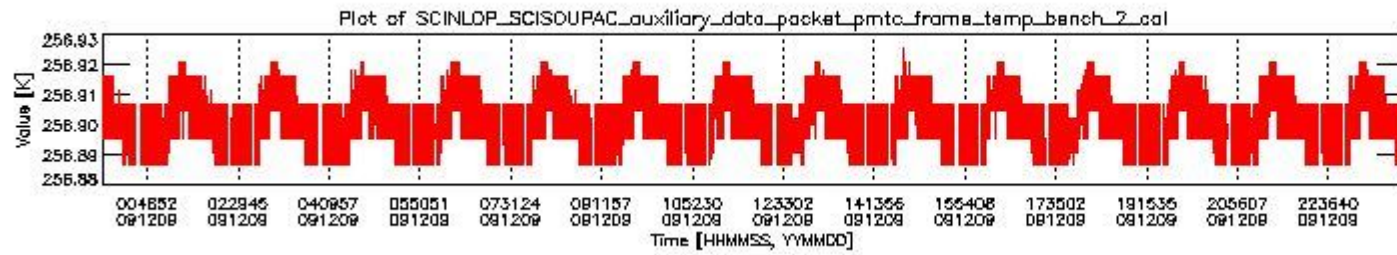
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20091208_225455_000060232085_00015_40650_0490.N1	08DEC2009 22:54:55	09DEC2009 00:35:18	0	0	0	0	0
1	SCI_NL__OPNPDE20091209_004140_000055302085_00016_40651_0491.N1	09DEC2009 00:41:40	09DEC2009 02:13:50	0	0	0	0	0
2	SCI_NL__OPNPDE20091209_021241_000045482085_00017_40652_0492.N1	09DEC2009 02:12:41	09DEC2009 03:28:29	0	0	0	0	0
3	SCI_NL__OPNPDE20091209_032829_000061052085_00018_40653_0493.N1	09DEC2009 03:28:29	09DEC2009 05:10:14	0	0	0	0	0
4	SCI_NL__OPNPDE20091209_051014_000060922085_00019_40654_0494.N1	09DEC2009 05:10:14	09DEC2009 06:51:46	0	0	0	0	0
5	SCI_NL__OPNPDK20091209_065146_000040582085_00020_40655_3504.N1	09DEC2009 06:51:46	09DEC2009 07:59:23	0	0	0	0	0
6	SCI_NL__OPNPDK20091209_075719_000060922085_00021_40656_3505.N1	09DEC2009 07:57:19	09DEC2009 09:38:51	0	0	0	0	0
7	SCI_NL__OPNPDK20091209_093755_000061602085_00022_40657_3506.N1	09DEC2009 09:37:55	09DEC2009 11:20:35	0	0	0	0	0
8	SCI_NL__OPNPDK20091209_111831_000060922085_00023_40658_3507.N1	09DEC2009 11:18:31	09DEC2009 13:00:03	0	0	0	0	0
9	SCI_NL__OPNPDK20091209_125907_000059242085_00024_40659_3508.N1	09DEC2009 12:59:07	09DEC2009 14:37:51	0	0	0	0	0
10	SCI_NL__OPNPDK20091209_143533_000060362085_00025_40660_3509.N1	09DEC2009 14:35:33	09DEC2009 16:16:09	0	0	0	0	0
11	SCI_NL__OPNPDK20091209_161416_000060362085_00026_40661_3510.N1	09DEC2009 16:14:16	09DEC2009 17:54:53	0	0	0	0	0
12	SCI_NL__OPNPDK20091209_175357_000057442085_00027_40662_3511.N1	09DEC2009 17:53:57	09DEC2009 19:29:41	0	0	0	0	0
13	SCI_NL__OPNPDK20091209_193337_000057612085_00028_40663_3512.N1	09DEC2009 19:33:37	09DEC2009 21:09:38	1	1	0	0	0
14	SCI_NL__OPNPDE20091209_210938_000044212085_00029_40664_0495.N1	09DEC2009 21:09:38	09DEC2009 22:23:19	0	0	0	0	0
15	SCI_NL__OPNPDE20091209_222319_000060232085_00029_40664_0496.N1	09DEC2009 22:23:19	10DEC2009 00:03:42	0	0	0	0	0

## 0.2 Product Quality Indicators

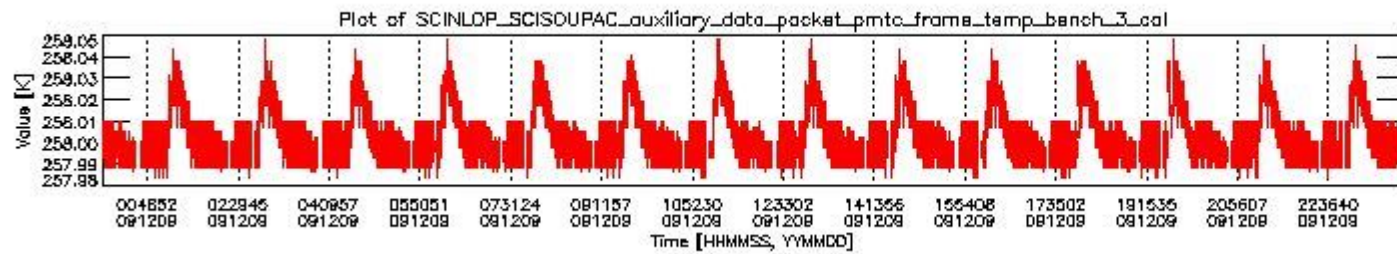
This section shows information about product quality, currently temperatures.



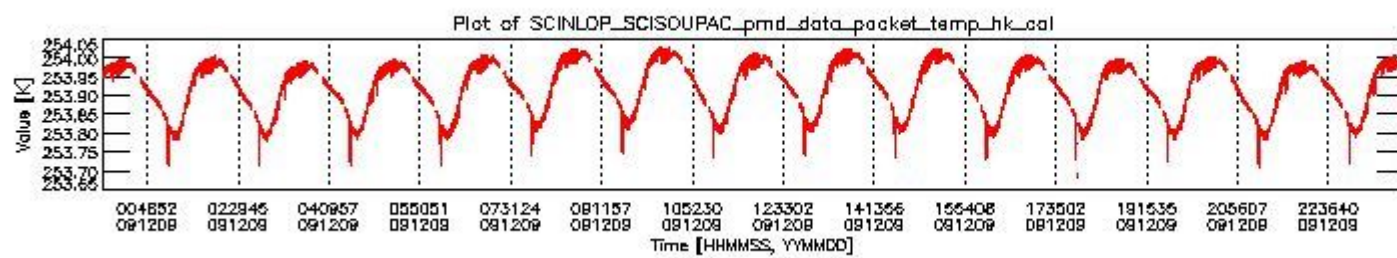
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20091209\_0.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20091209\_1.PNG

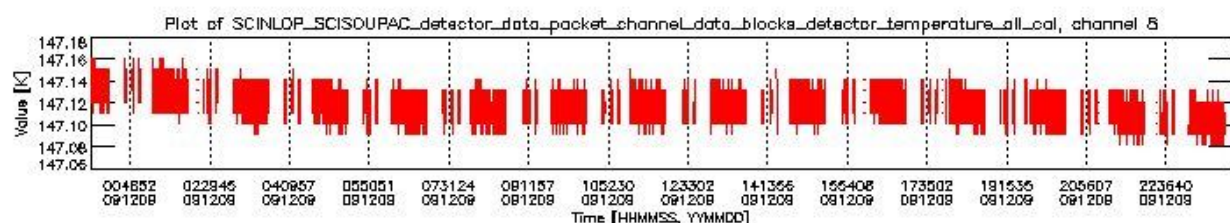
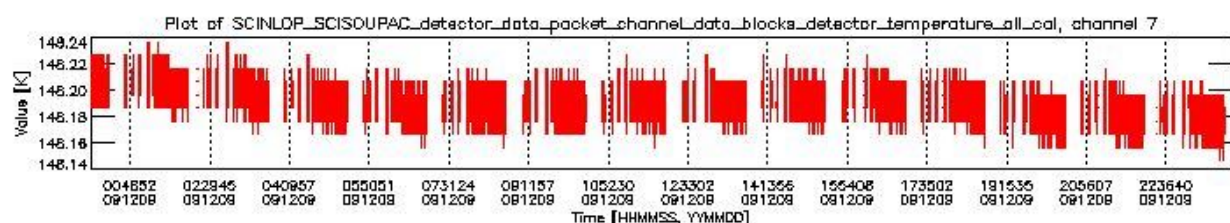
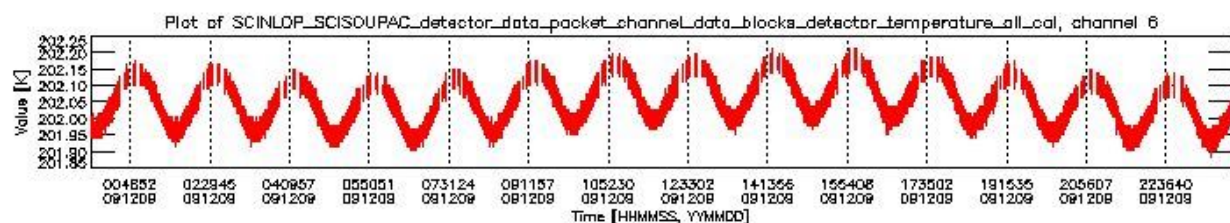
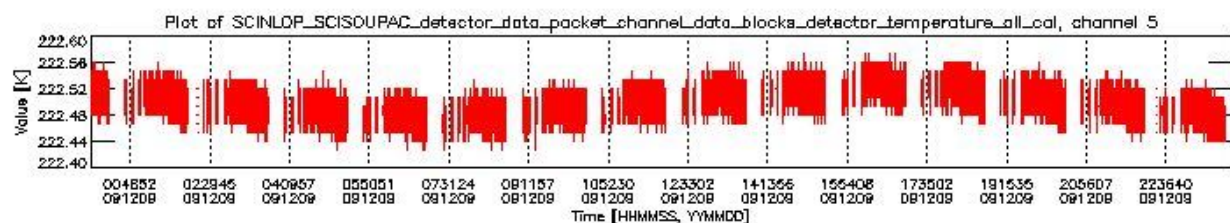
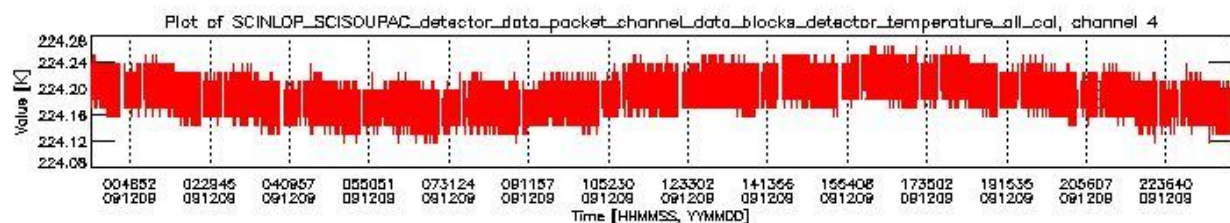
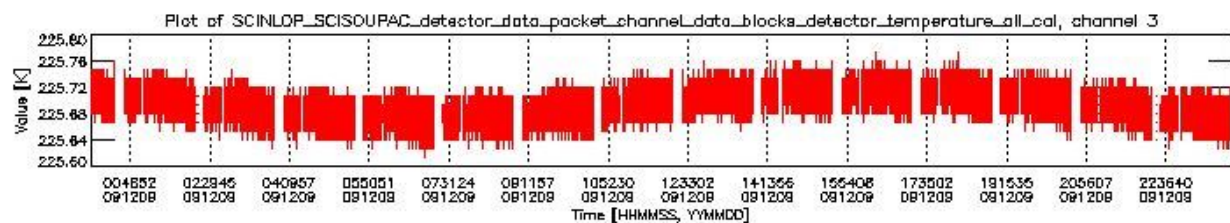
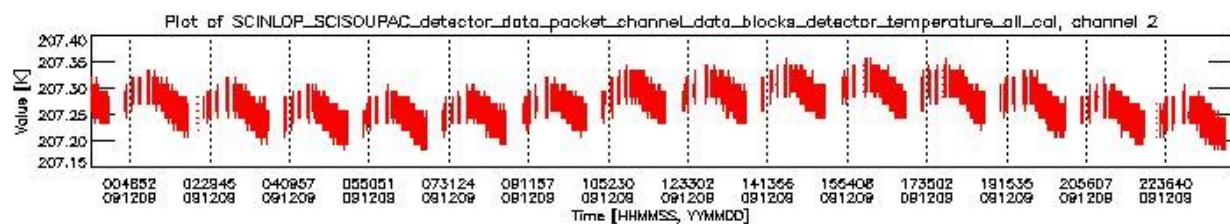
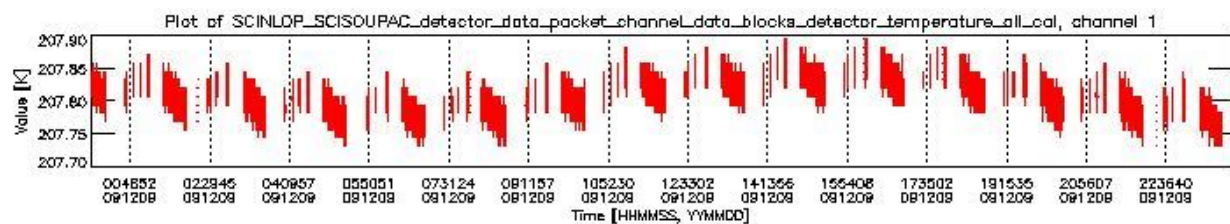


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20091209\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20091209\_3.PNG

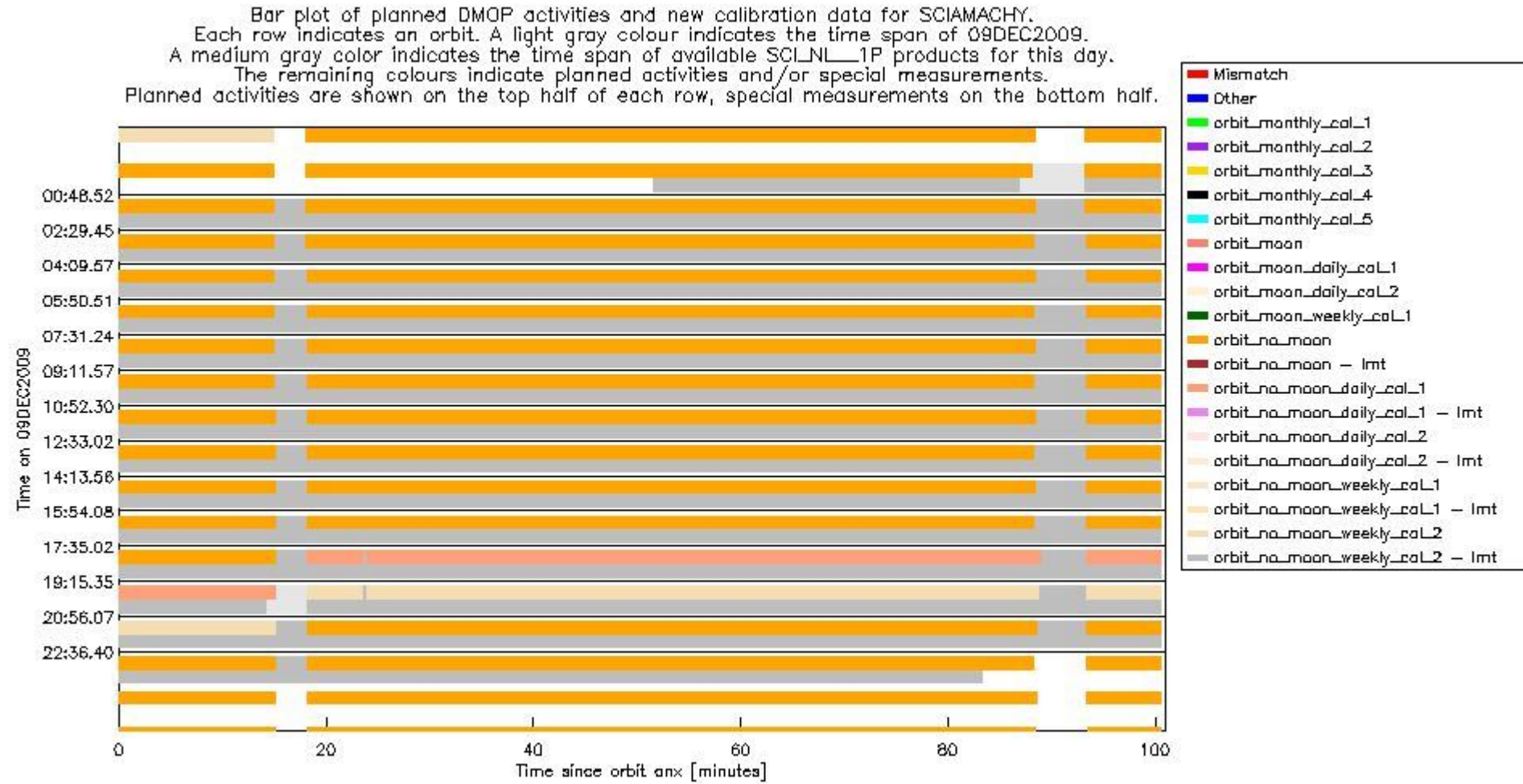




### 0.3 State monitoring

No instrument tracking information available. 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.



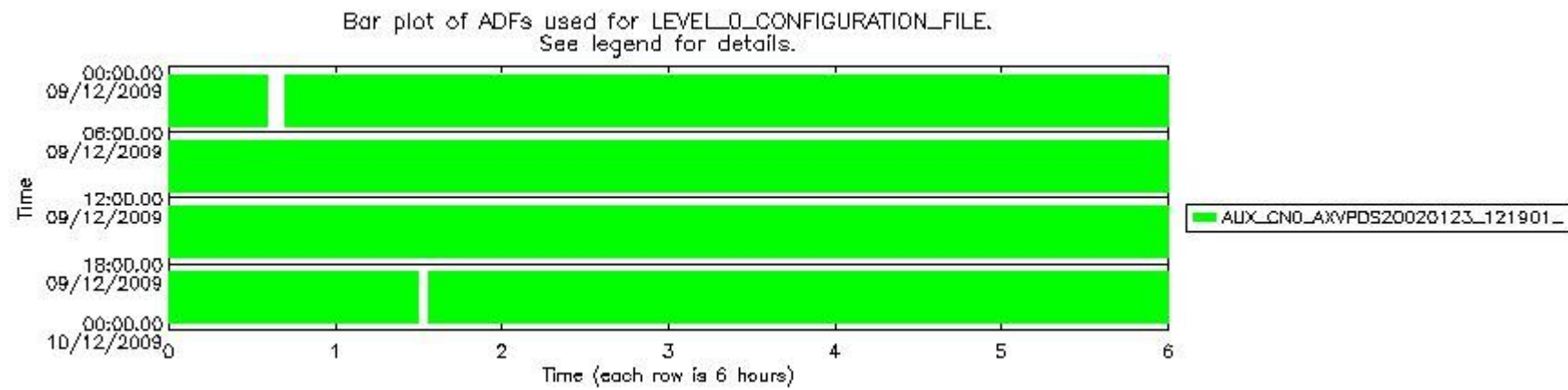
### 0.4 ADF monitoring

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

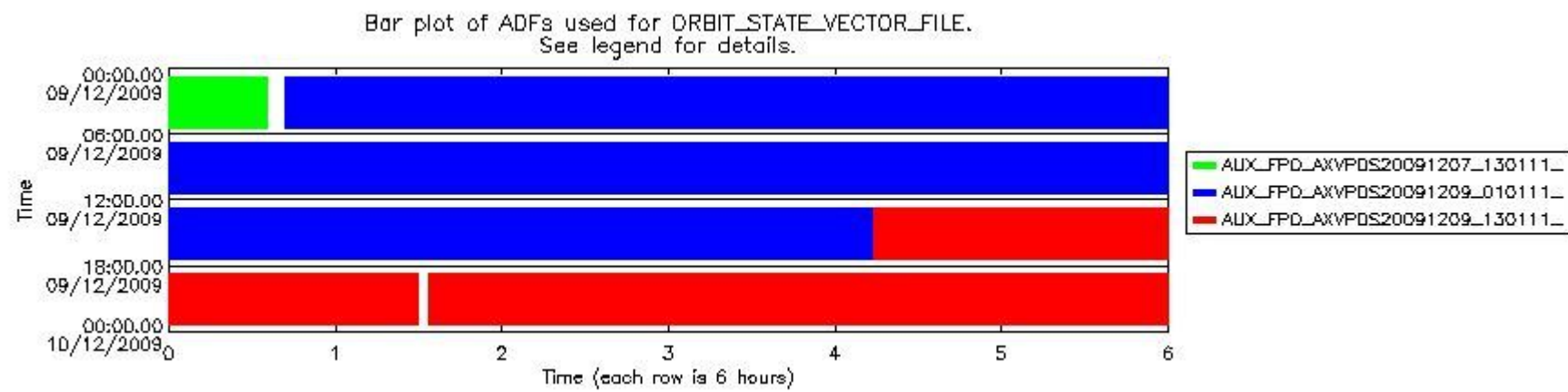
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

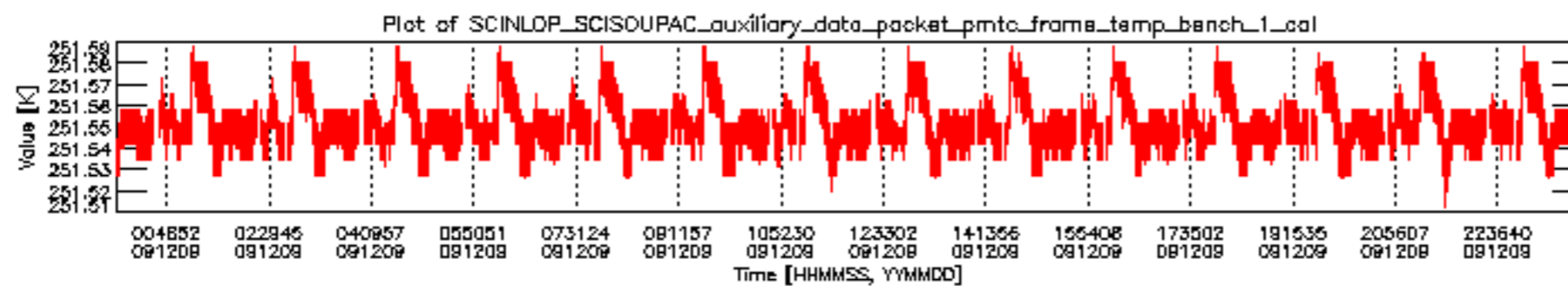
Number	ADF
	<b>CNO (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20091207_130111_20091207_083434_20091216_185523
2	AUX_FPO_AXVPDS20091209_010111_20091208_194708_20091218_211323
3	AUX_FPO_AXVPDS20091209_130111_20091209_073120_20091218_193247



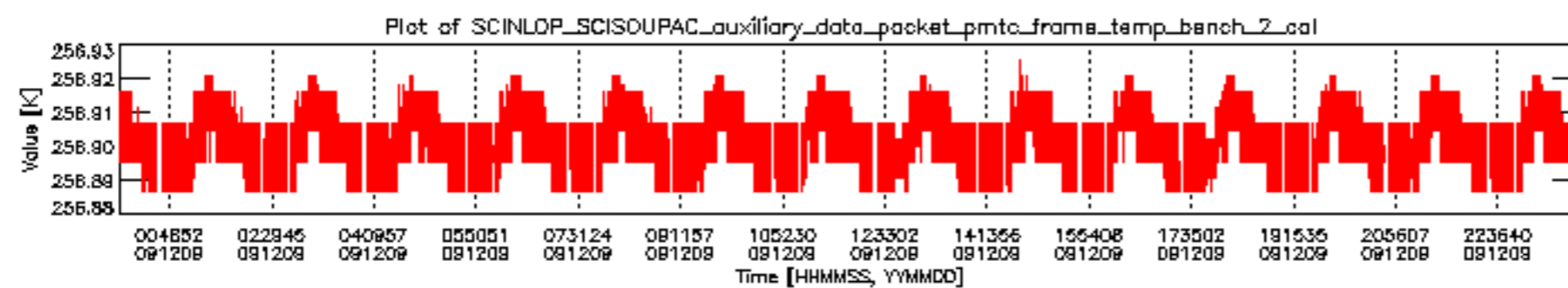
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20091209\_6.PNG

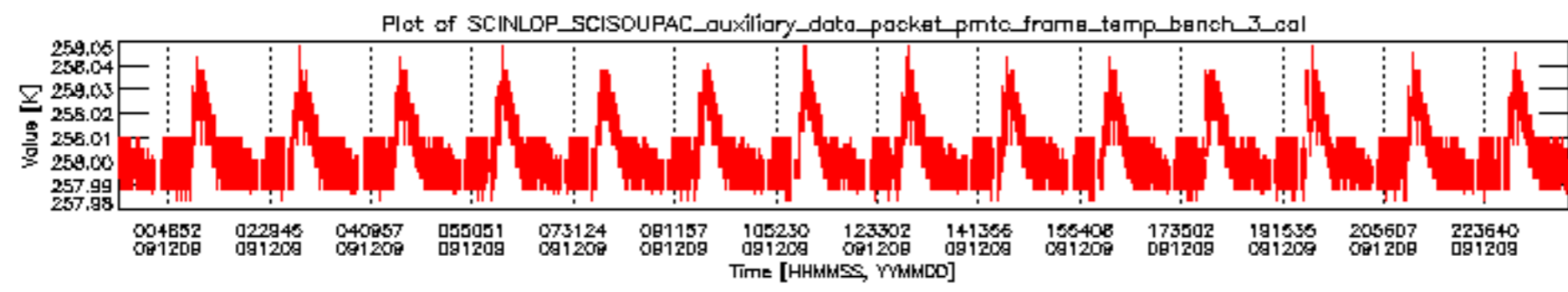


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20091209\_7.PNG

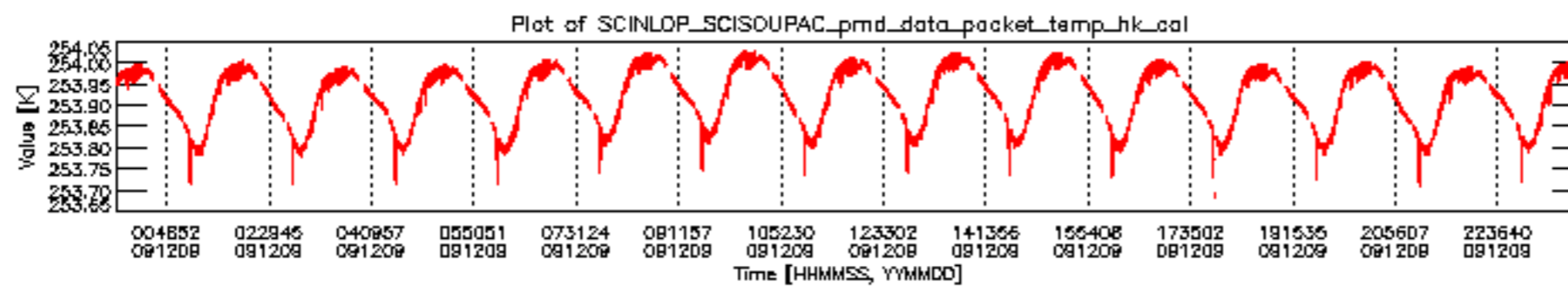


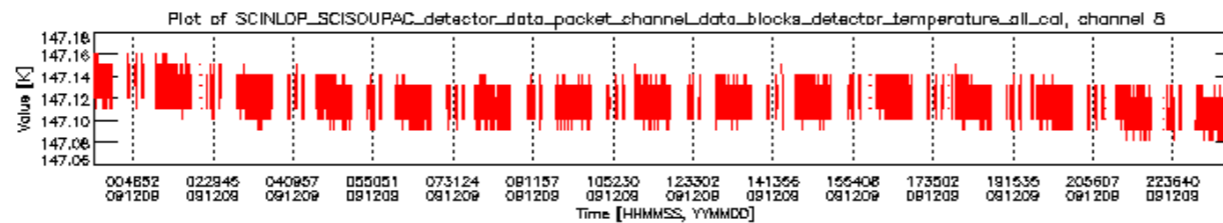
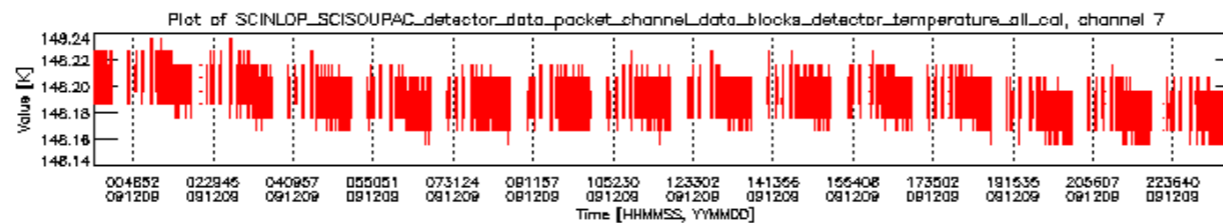
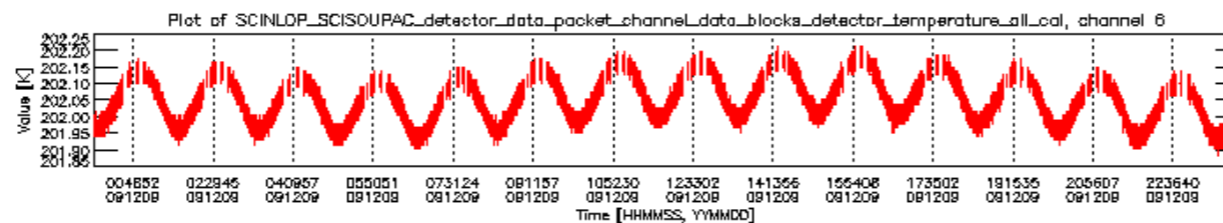
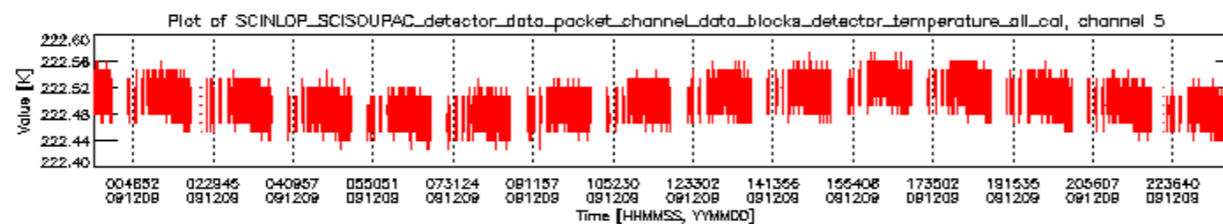
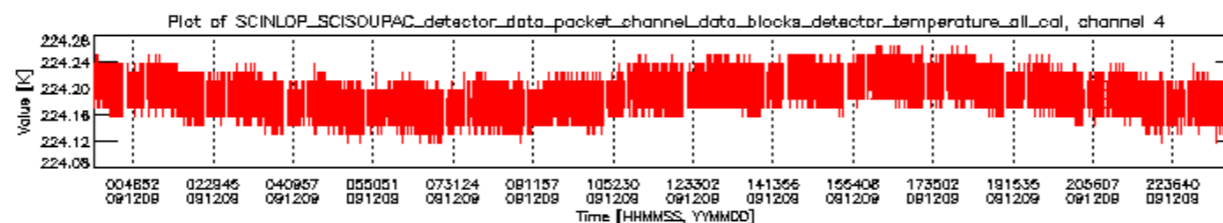
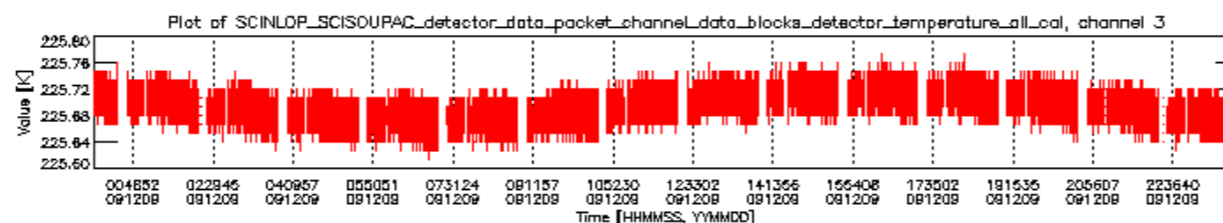
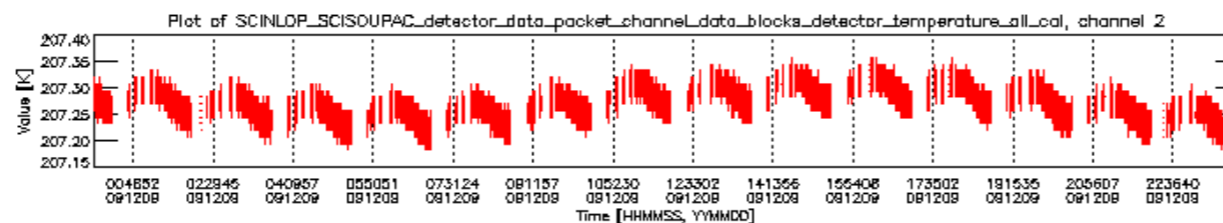
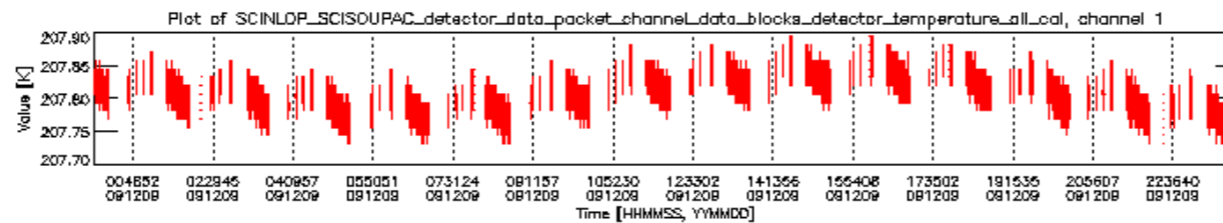




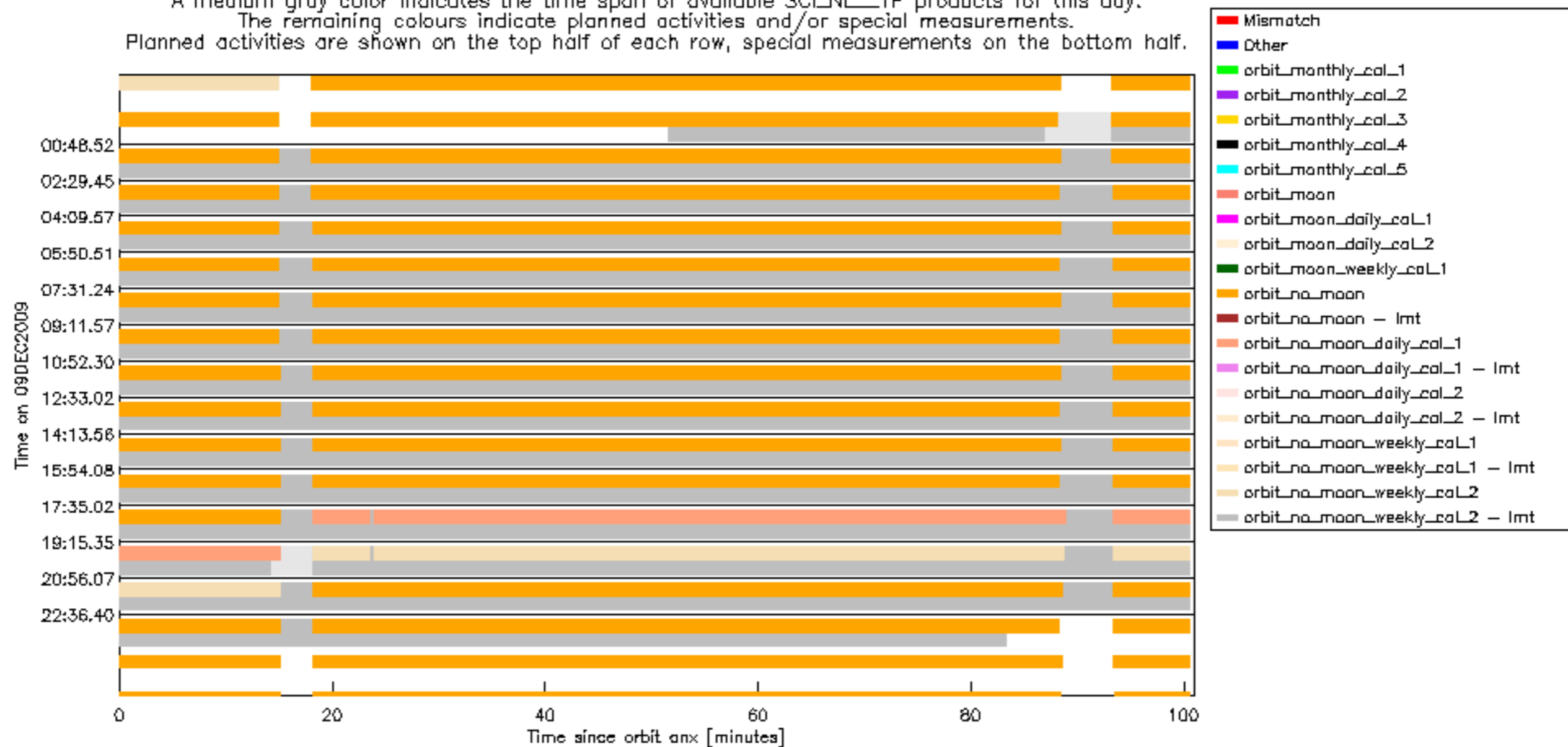


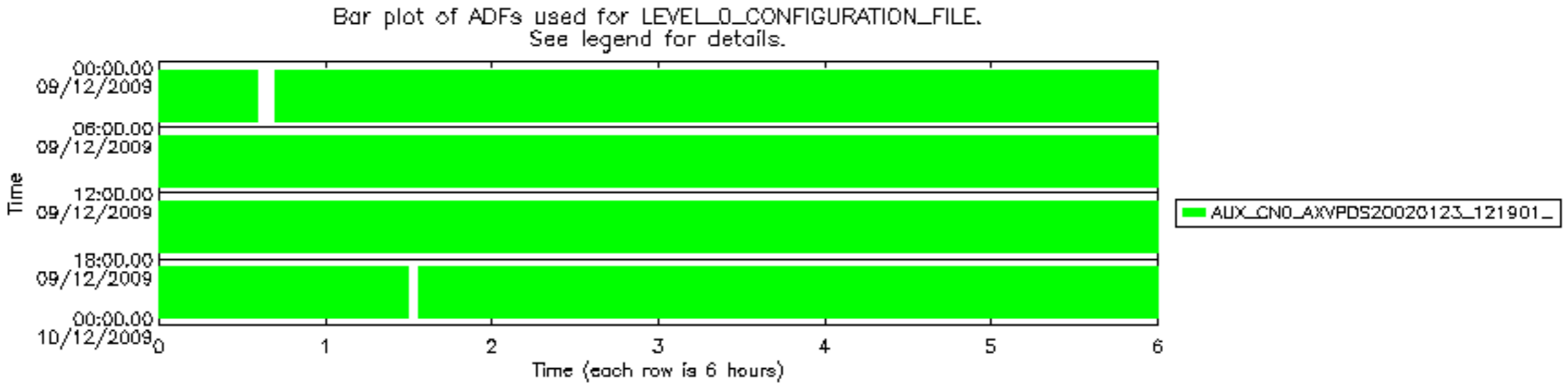






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 09DEC2009.  
 A medium gray color indicates the time span of available SCI\_NL\_1P products for this day.  
 The remaining colours indicate planned activities and/or special measurements.  
 Planned activities are shown on the top half of each row, special measurements on the bottom half.





Bar plot of ADFs used for ORBIT\_STATE\_VECTOR\_FILE.  
See legend for details.

