

## 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	05SEP2009 06:24:25
Data source version	KSPT_L0/4303-N
Processing scope for products	01SEP2009 00:00:00 to 02SEP2009 00:00:00
Start time of first product within scope	31AUG2009 23:07:36
Stop time of last product within scope	02SEP2009 00:18:05
Total number of level 0 products	18
Number of level 0 products with errors	5

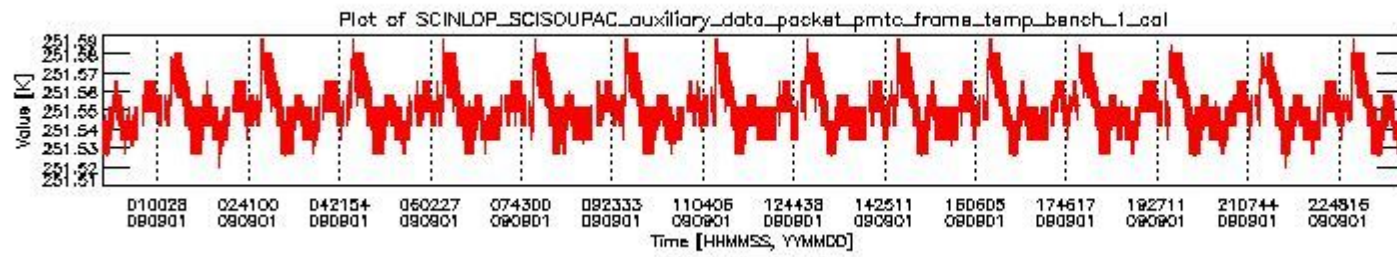
### 0.1.2 Summary per product

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

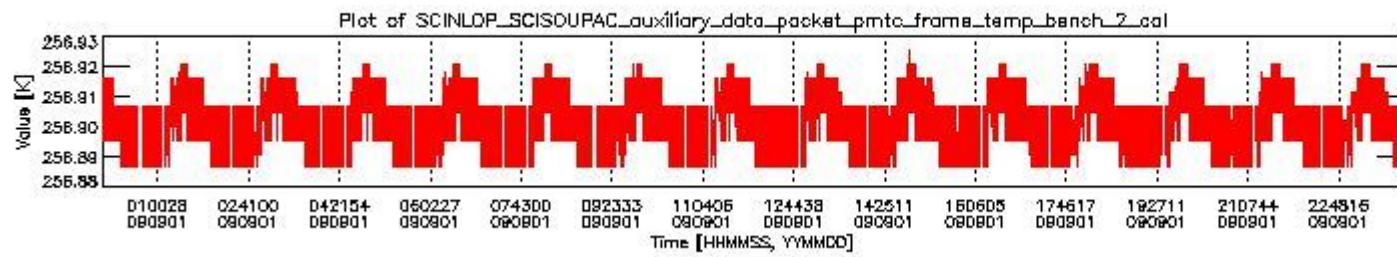
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090831_230736_000060322082_00101_39233_9823.N1	31AUG2009 23:07:36	01SEP2009 00:48:07	0	0	0	0	0
1	SCI_NL__OPNPDE20090901_004723_000058292082_00102_39234_9824.N1	01SEP2009 00:47:23	01SEP2009 02:24:32	0	0	0	0	0
2	SCI_NL__OPNPDE20090901_022348_000046112082_00103_39235_9825.N1	01SEP2009 02:23:48	01SEP2009 03:40:39	0	0	0	0	0
3	SCI_NL__OPNPDE20090901_033944_000061612082_00104_39236_9826.N1	01SEP2009 03:39:44	01SEP2009 05:22:24	0	0	0	0	0
4	SCI_NL__OPNPDE20090901_052224_000060372082_00105_39237_9827.N1	01SEP2009 05:22:24	01SEP2009 07:03:01	0	0	0	0	0
5	SCI_NL__OPNPDK20090901_070152_000002492082_00106_39238_2589.N1	01SEP2009 07:01:52	01SEP2009 07:06:01	1	1	0	0	0
6	SCI_NL__OPNPDK20090901_070601_000038652082_00106_39238_2590.N1	01SEP2009 07:06:01	01SEP2009 08:10:27	1	1	0	0	0
7	SCI_NL__OPNPDK20090901_081027_000060922082_00107_39239_2591.N1	01SEP2009 08:10:27	01SEP2009 09:51:59	0	0	0	0	0
8	SCI_NL__OPNPDK20090901_095103_000060362082_00108_39240_2592.N1	01SEP2009 09:51:03	01SEP2009 11:31:39	0	0	0	0	0
9	SCI_NL__OPNPDK20090901_113139_000059682082_00109_39241_2596.N1	01SEP2009 11:31:39	01SEP2009 13:11:07	1	1	1	0	0
10	SCI_NL__OPNPDK20090901_131107_000058562082_00110_39242_2605.N1	01SEP2009 13:11:07	01SEP2009 14:48:43	1	1	0	0	0
11	SCI_NL__OPNPDK20090901_135319_000033242082_00110_39242_2602.N1	01SEP2009 13:53:19	01SEP2009 14:48:43	0	0	0	0	0
12	SCI_NL__OPNPDK20090901_144843_000058432082_00111_39243_2604.N1	01SEP2009 14:48:43	01SEP2009 16:26:07	1	1	0	0	0
13	SCI_NL__OPNPDK20090901_162402_000059442082_00112_39244_2606.N1	01SEP2009 16:24:02	01SEP2009 18:03:06	0	0	0	0	0
14	SCI_NL__OPNPDK20090901_180211_000060922082_00113_39245_2607.N1	01SEP2009 18:02:11	01SEP2009 19:43:43	0	0	0	0	0
15	SCI_NL__OPNPDE20090901_194247_000040622082_00114_39246_9828.N1	01SEP2009 19:42:47	01SEP2009 20:50:29	0	0	0	0	0
16	SCI_NL__OPNPDE20090901_205029_000063362082_00114_39246_9829.N1	01SEP2009 20:50:29	01SEP2009 22:36:05	0	0	0	0	0
17	SCI_NL__OPNPDE20090901_223532_000061532082_00115_39247_9830.N1	01SEP2009 22:35:32	02SEP2009 00:18:05	0	0	0	0	0

## 0.2 Product Quality Indicators

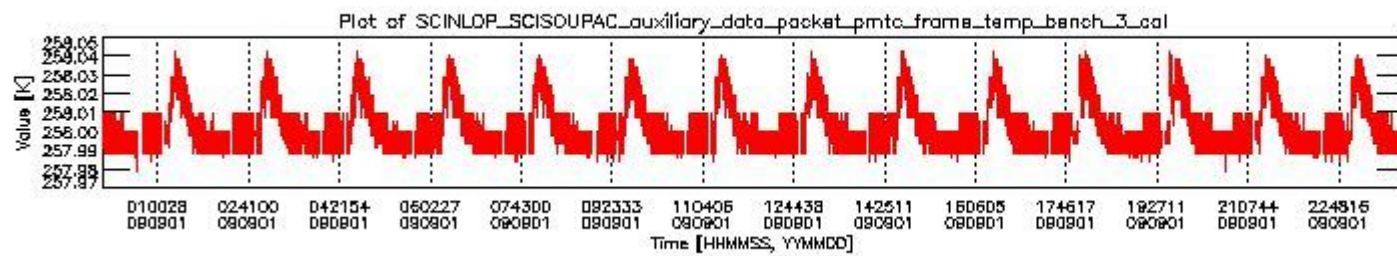
This section shows information about product quality, currently temperatures.



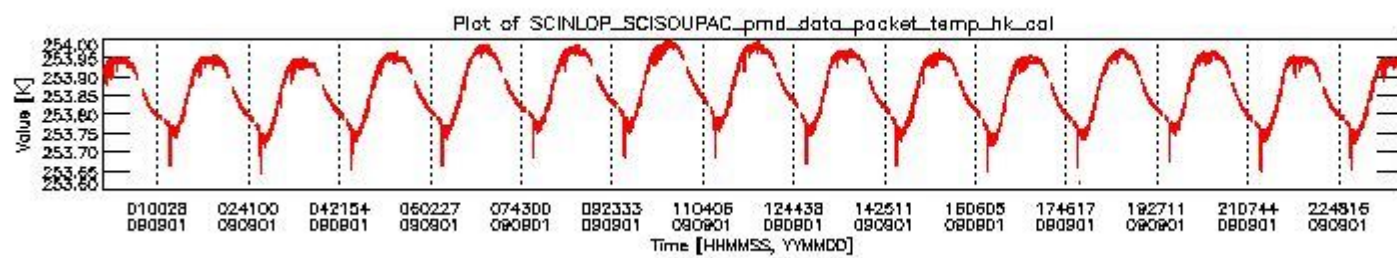
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090901\_0.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090901\_1.PNG

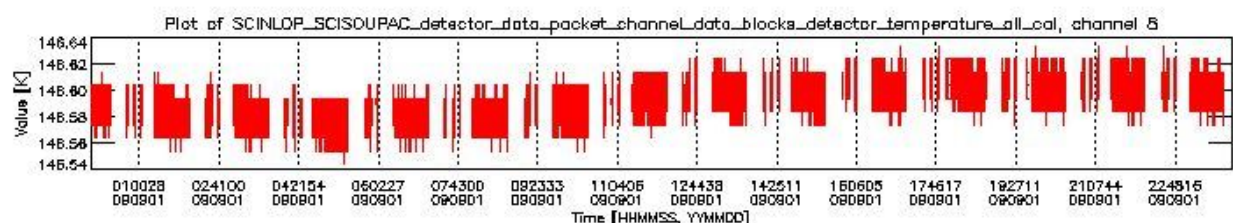
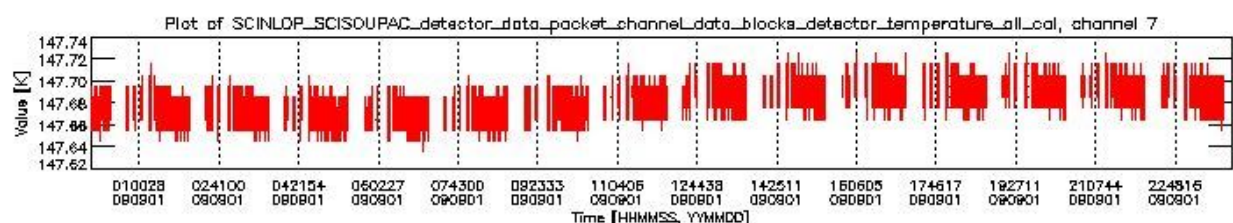
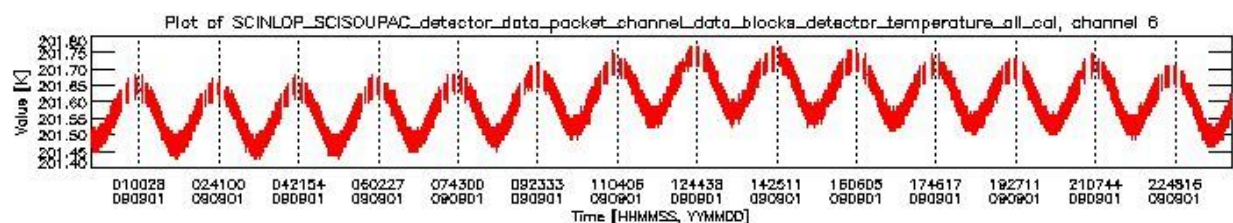
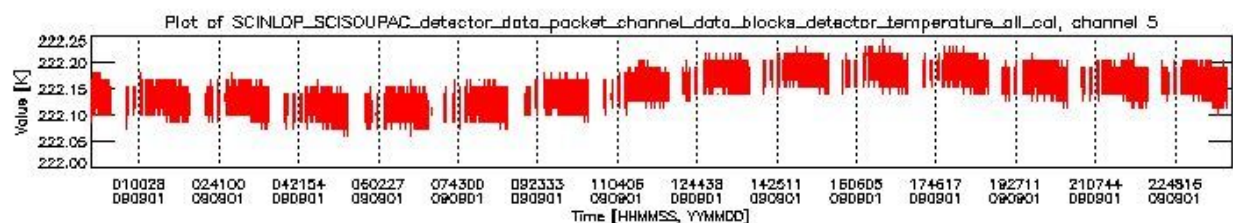
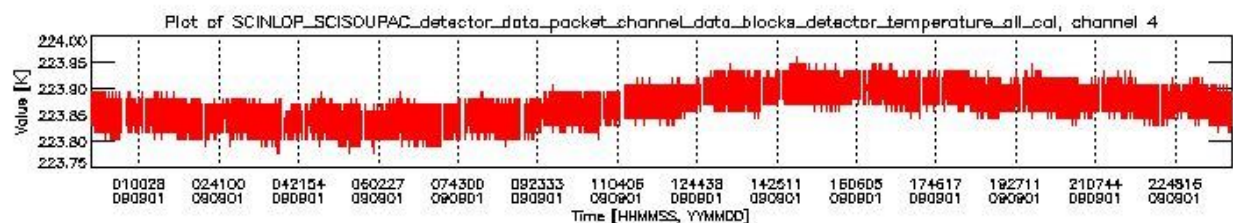
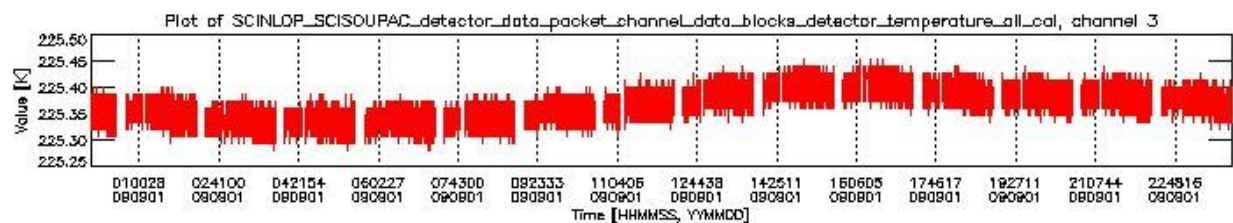
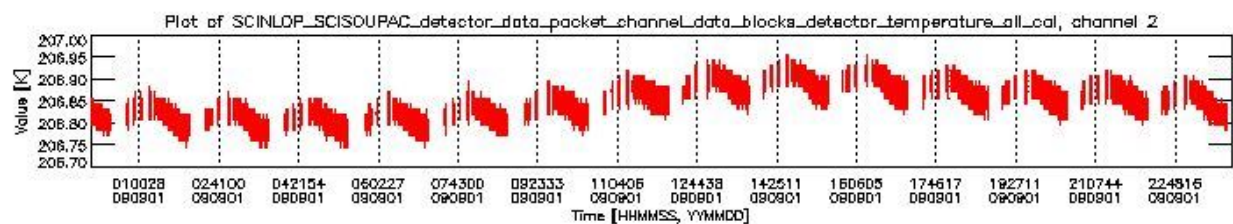
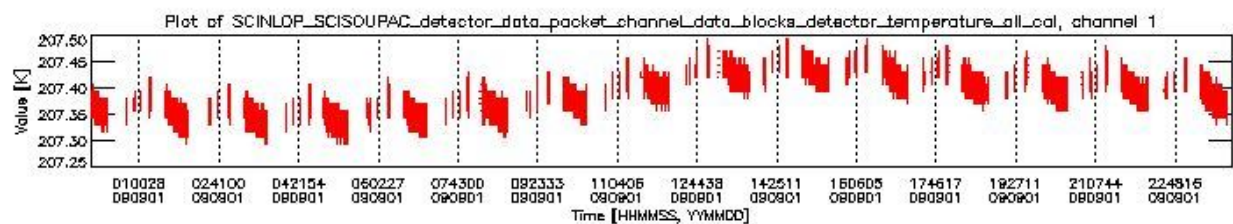


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090901\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090901\_3.PNG

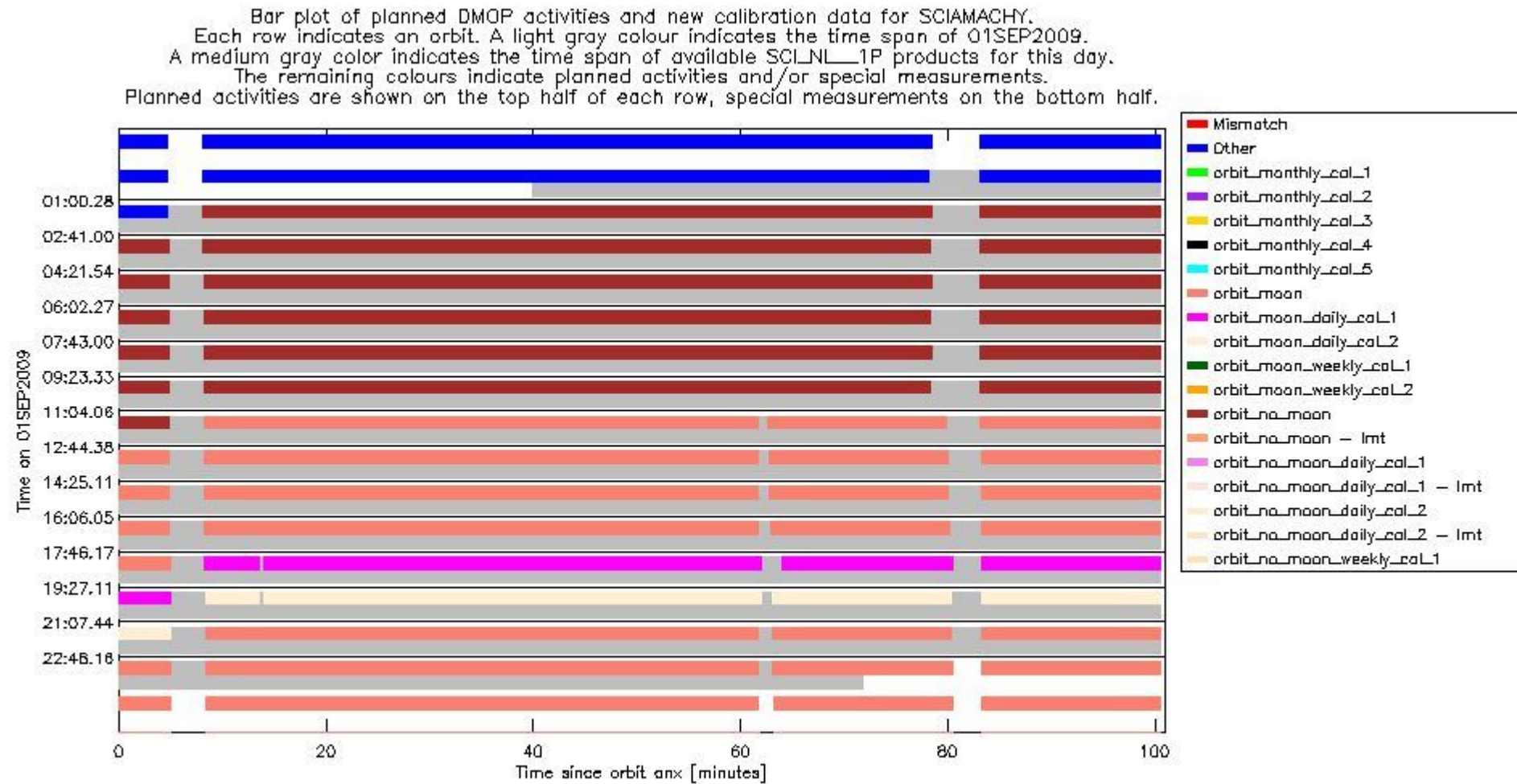




### 0.3 State monitoring

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.



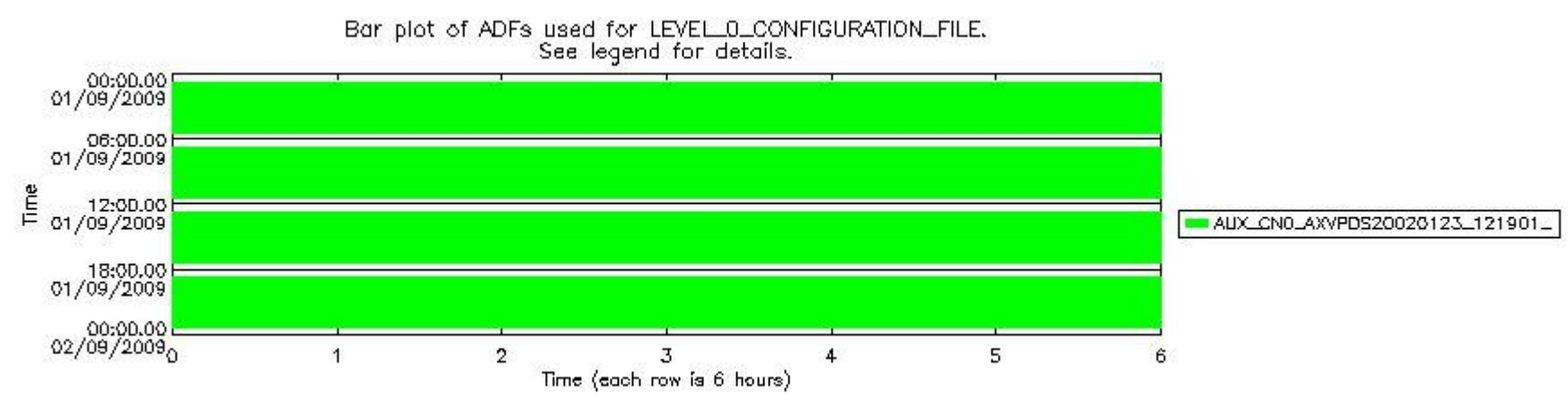
### 0.4 ADF monitoring

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

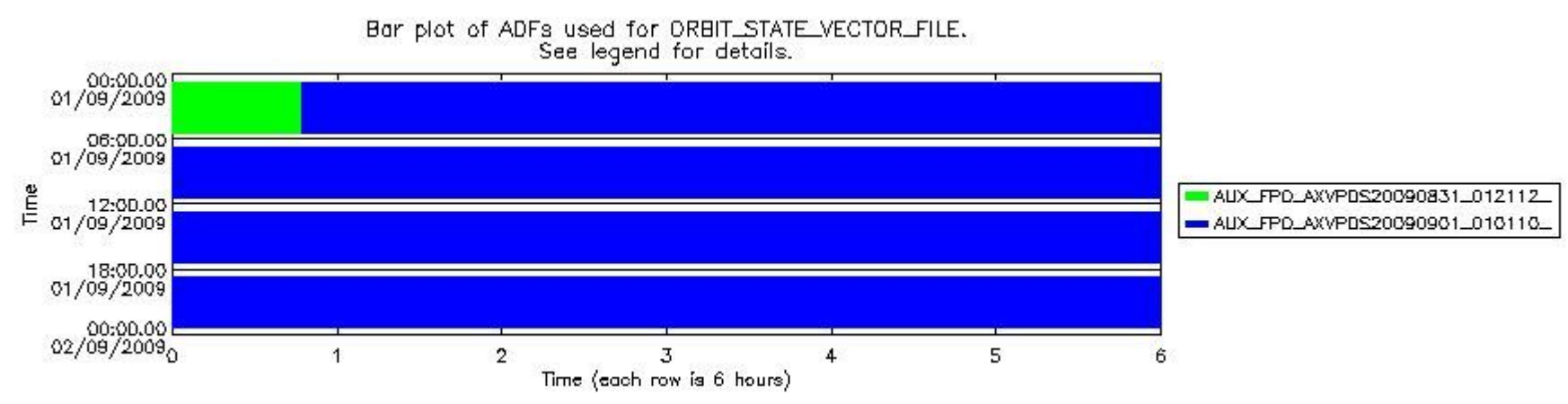
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

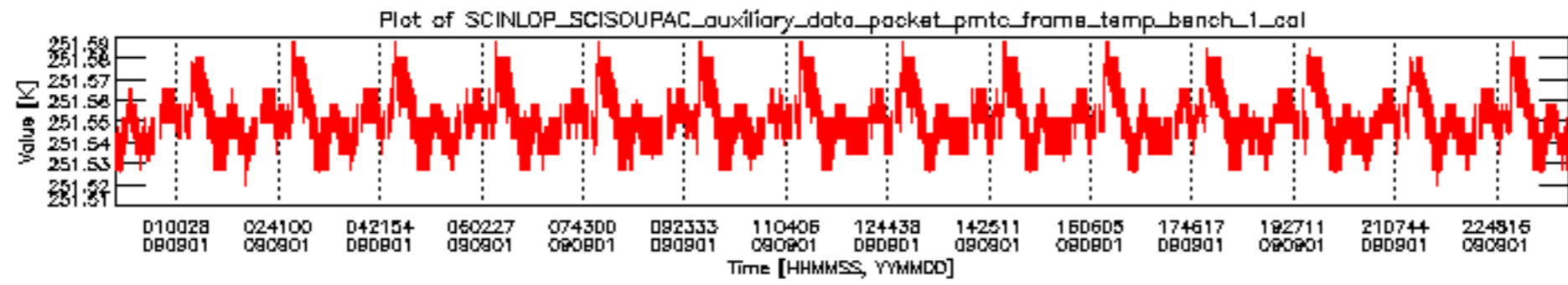
Number	ADF
	<b>CNO (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20090831_012112_20090830_184947_20090909_201559
2	AUX_FPO_AXVPDS20090901_010110_20090831_195845_20090910_212458



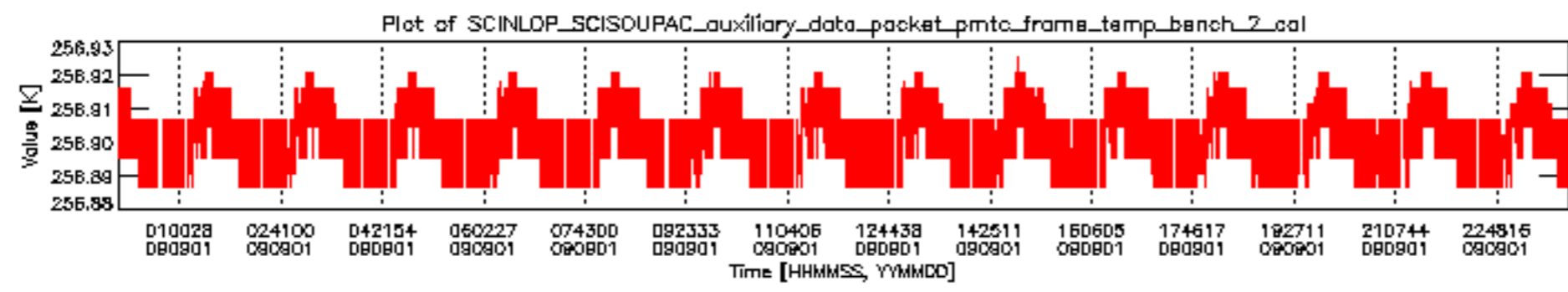
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090901\_6.PNG

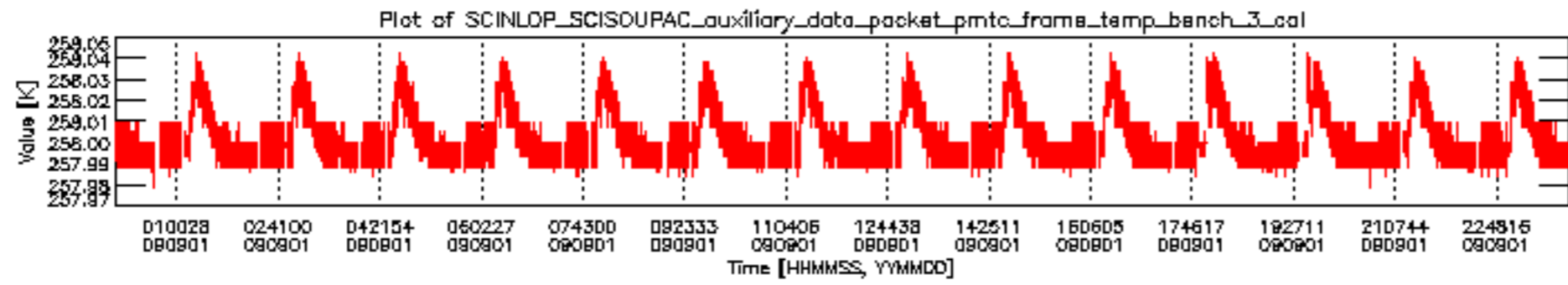


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090901\_7.PNG

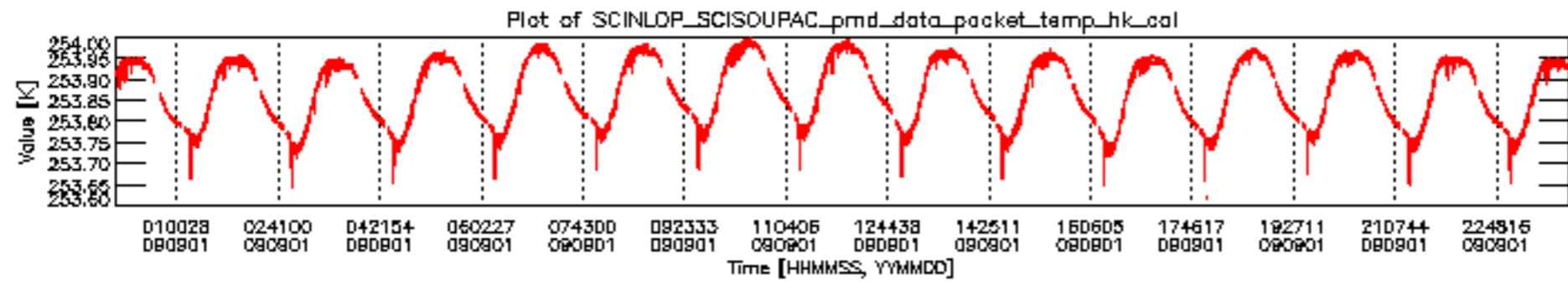


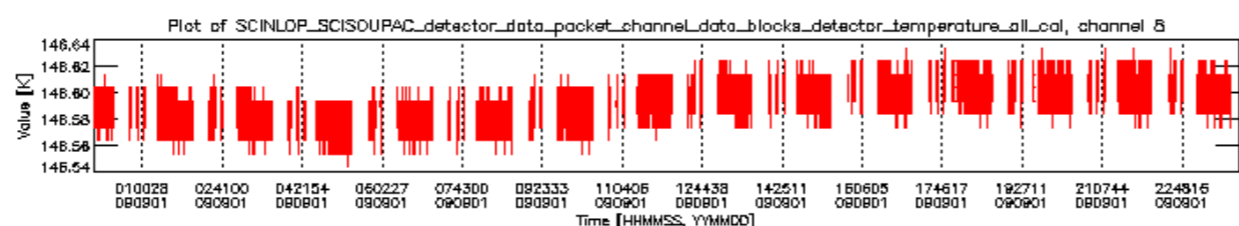
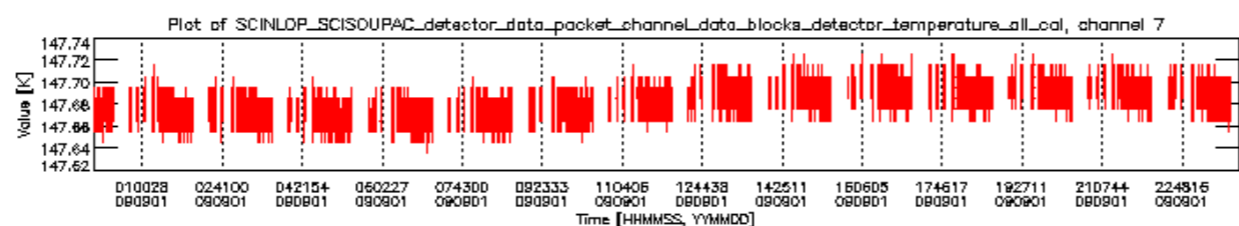
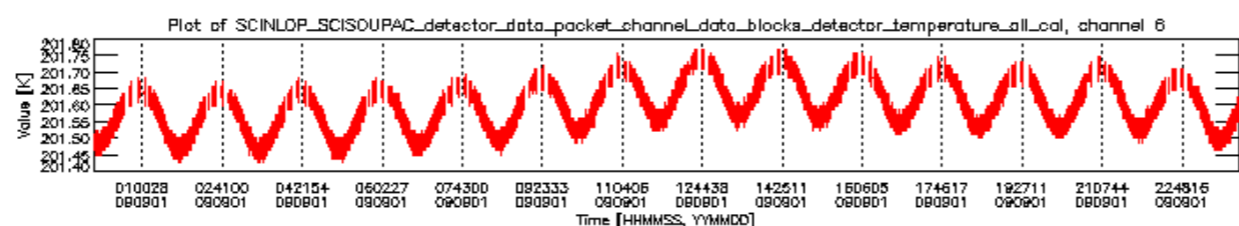
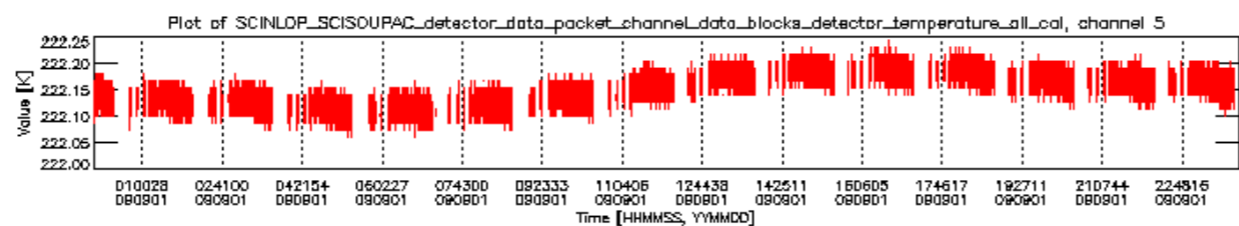
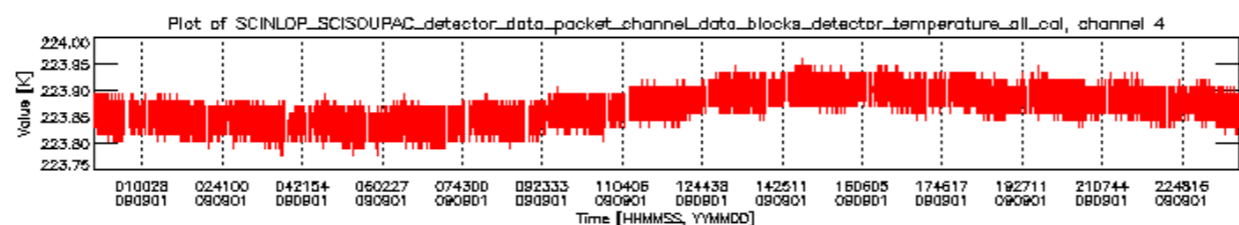
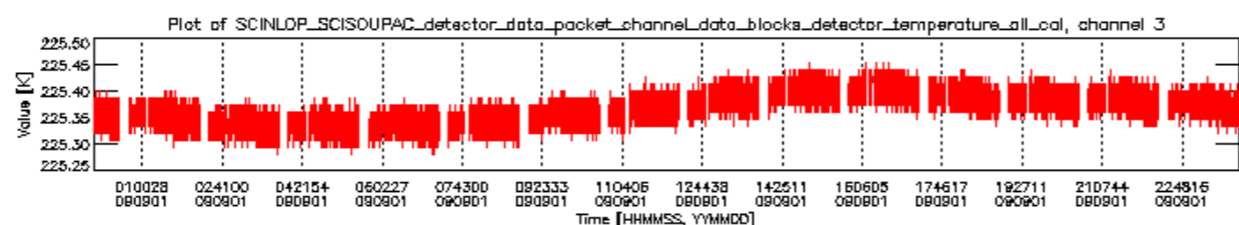
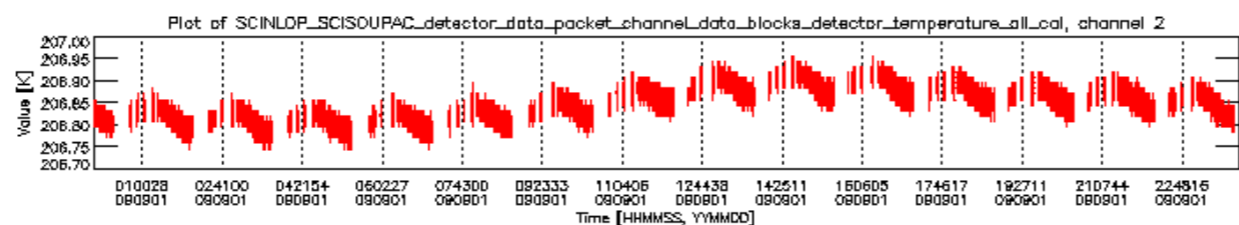
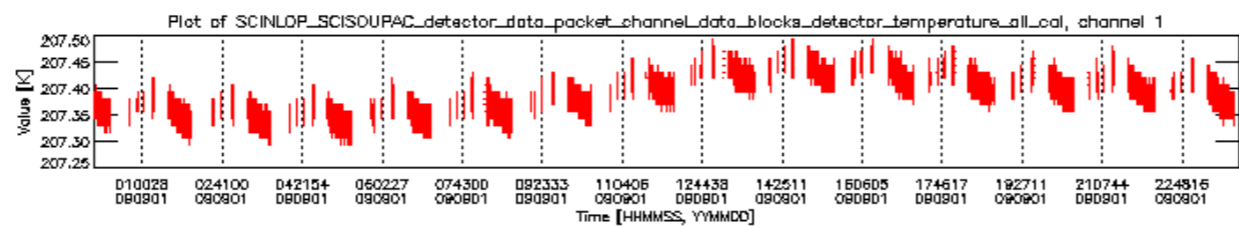




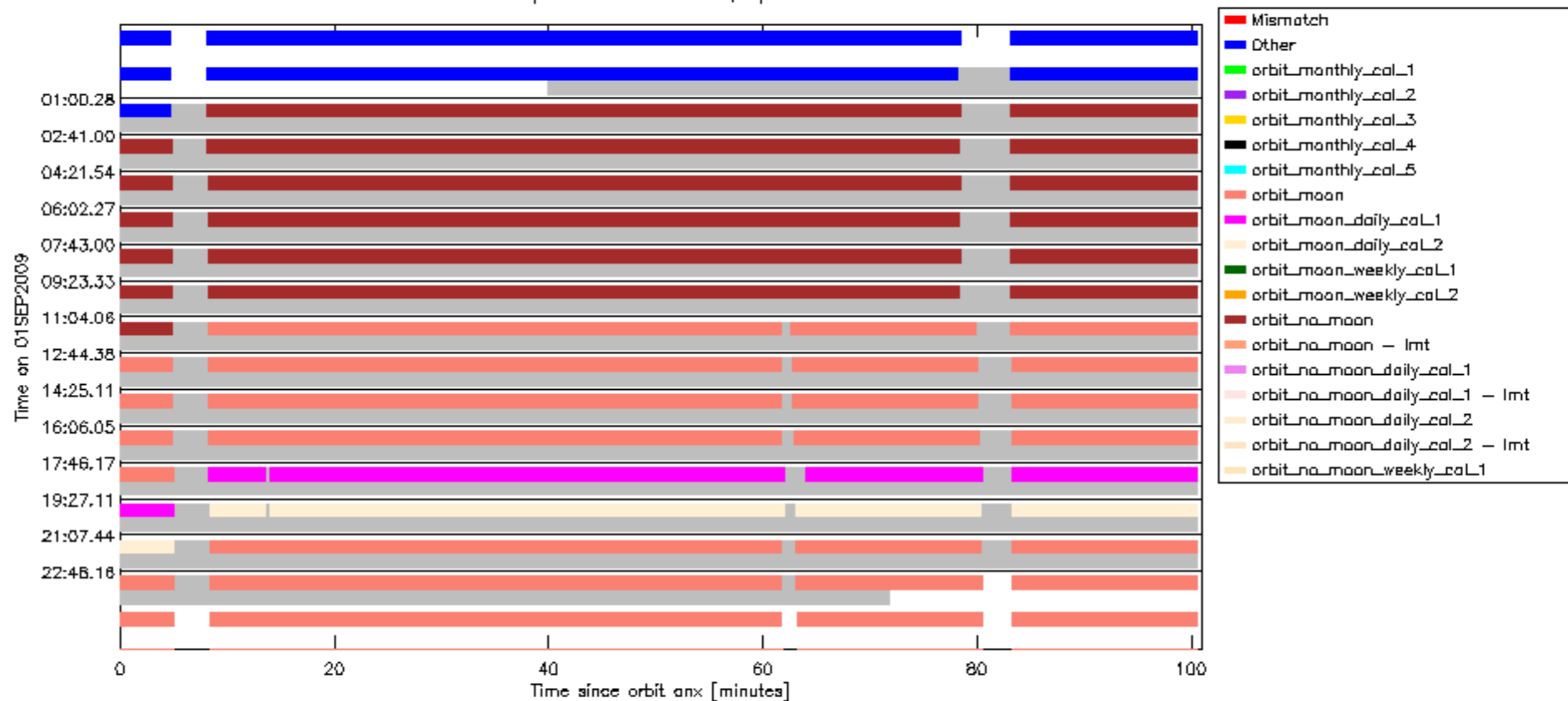


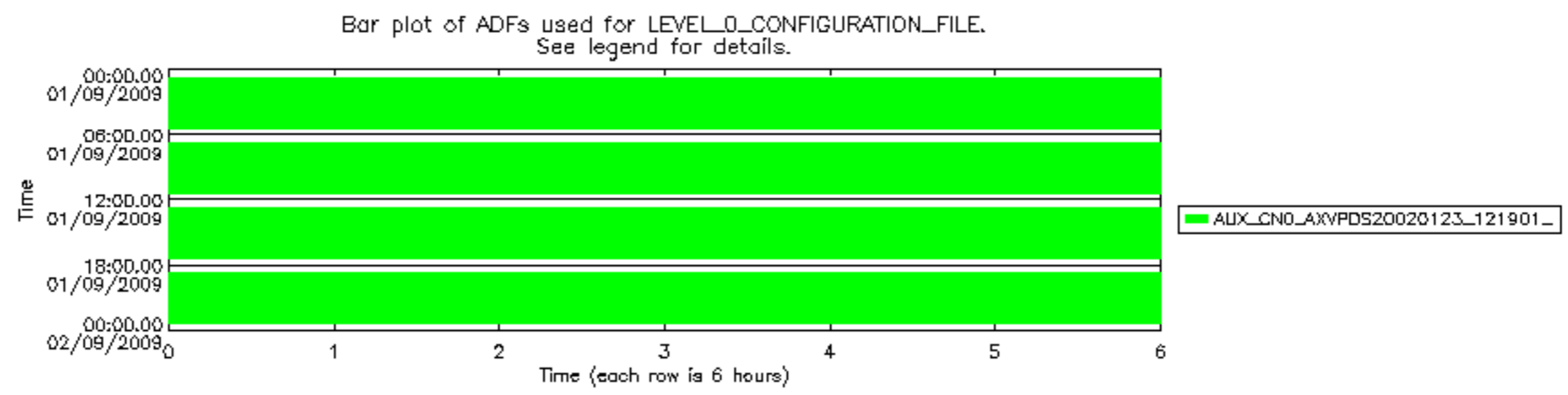






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 01SEP2009.  
 A medium gray color indicates the time span of available SCI\_NL\_1P products for this day.  
 The remaining colours indicate planned 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.

