

# 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	24AUG2006 05:27:18
Data source version	PFHS/5.37-N
Processing scope for products	20AUG2006 00:00:00 to 21AUG2006 00:00:00
Start time of first product within scope	20AUG2006 07:26:57
Stop time of last product within scope	21AUG2006 00:39:51
Total number of level 0 products	10
Number of level 0 products with errors	10

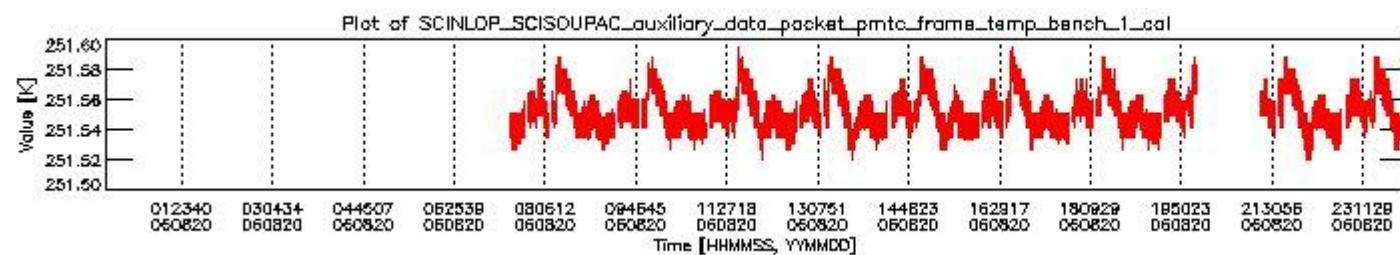
### 0.1.2 Summary per product

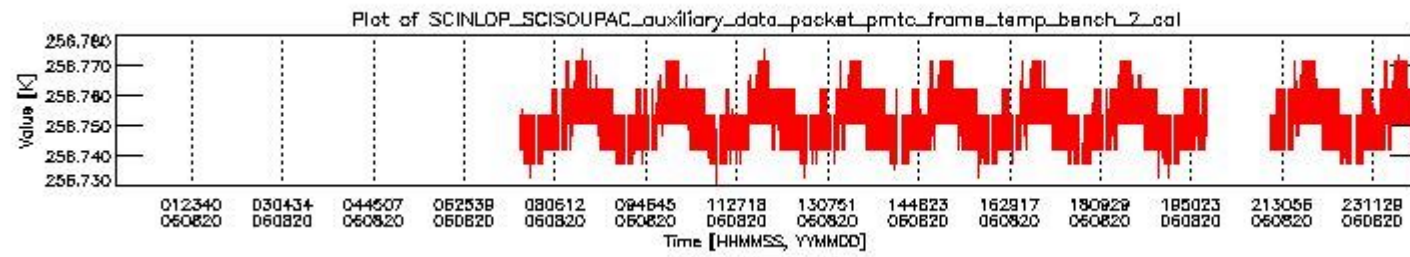
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20060820_072657_000039762050_00278_23378_0475.N1	20AUG2006 07:26:57	20AUG2006 08:33:14	1	0	1	0	0
1	SCI_NL__0PNPDK20060820_083314_000061042050_00279_23379_0476.N1	20AUG2006 08:33:14	20AUG2006 10:14:59	1	0	1	0	0
2	SCI_NL__0PNPDK20060820_101459_000059672050_00280_23380_0477.N1	20AUG2006 10:14:59	20AUG2006 11:54:26	1	0	1	0	0
3	SCI_NL__0PNPDK20060820_115426_000059802050_00281_23381_0478.N1	20AUG2006 11:54:26	20AUG2006 13:34:07	1	0	1	0	0
4	SCI_NL__0PNPDK20060820_133311_000058432050_00282_23382_0479.N1	20AUG2006 13:33:11	20AUG2006 15:10:34	1	0	1	0	0
5	SCI_NL__0PNPDK20060820_150926_000059802050_00283_23383_0480.N1	20AUG2006 15:09:26	20AUG2006 16:49:06	1	0	1	0	0
6	SCI_NL__0PNPDK20060820_164702_000060172050_00284_23384_0481.N1	20AUG2006 16:47:02	20AUG2006 18:27:20	1	0	1	0	0
7	SCI_NL__0PNPDK20060820_182528_000060612050_00285_23385_0482.N1	20AUG2006 18:25:28	20AUG2006 20:06:29	1	0	1	0	0
8	SCI_NL__0PNPDE20060820_211715_000062072050_00286_23386_0394.N1	20AUG2006 21:17:15	20AUG2006 23:00:43	1	0	1	0	0
9	SCI_NL__0PNPDE20060820_225915_000060362050_00287_23387_0395.N1	20AUG2006 22:59:15	21AUG2006 00:39:51	1	0	1	0	0

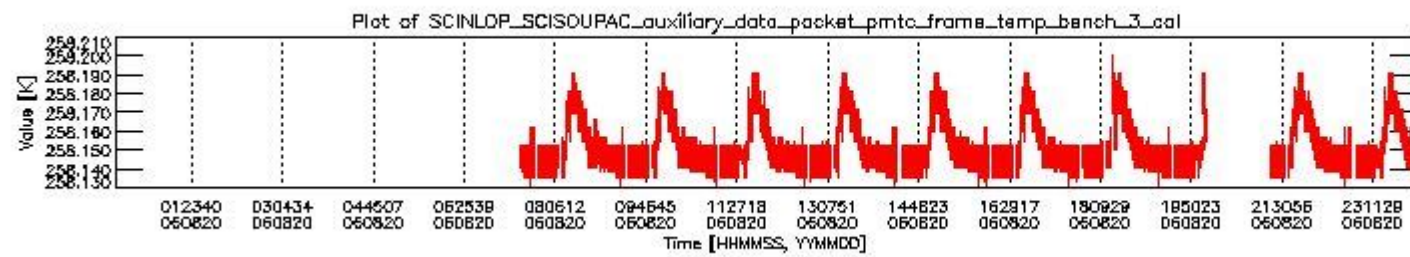
## 0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

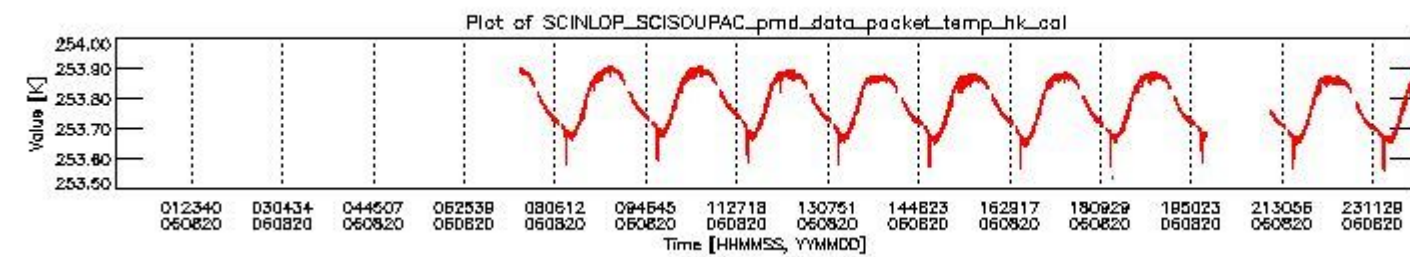




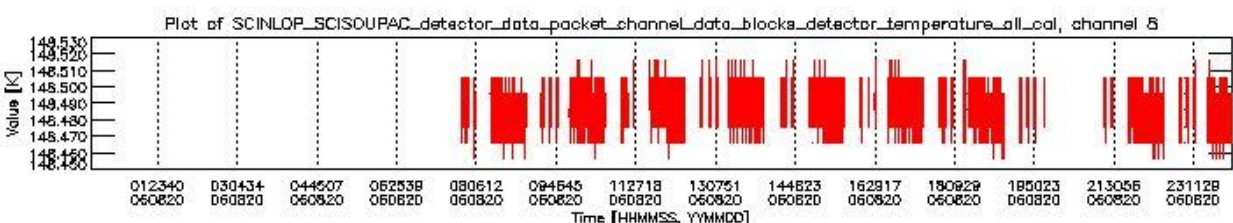
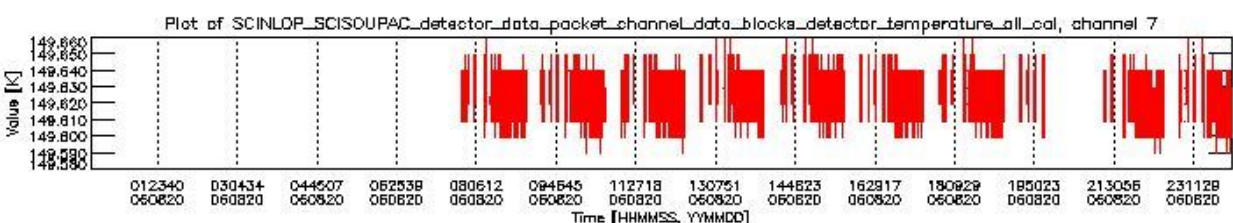
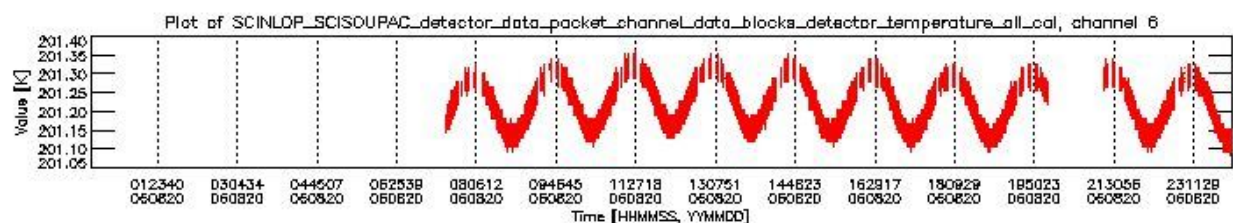
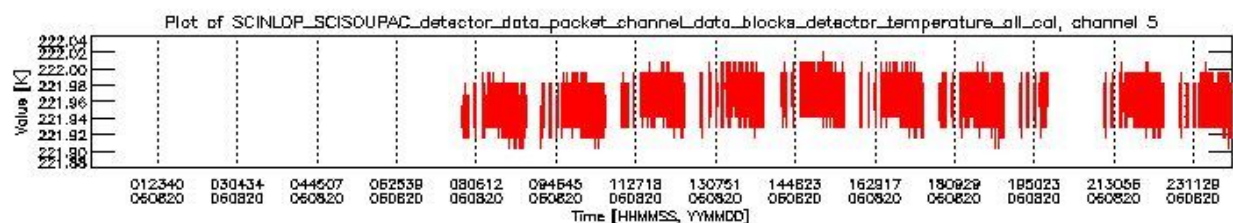
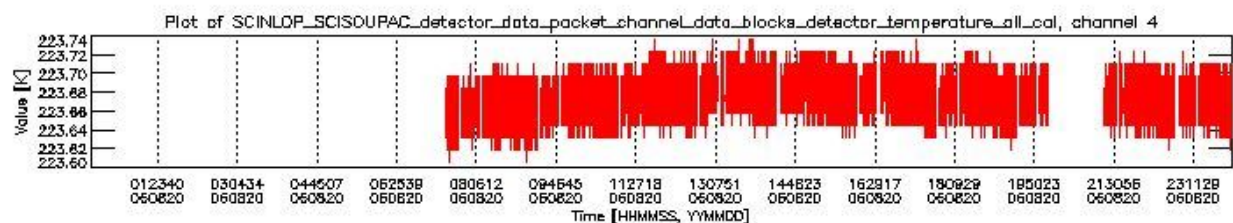
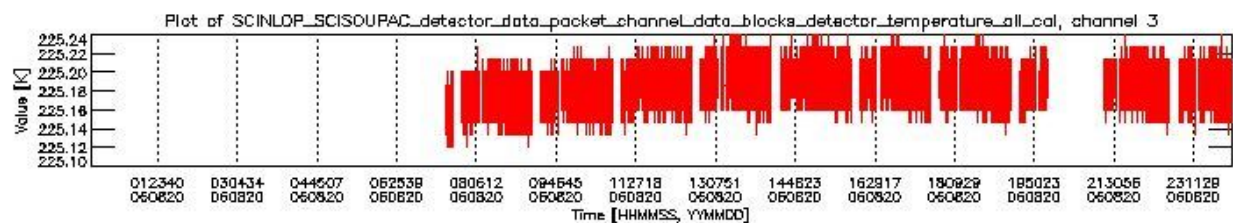
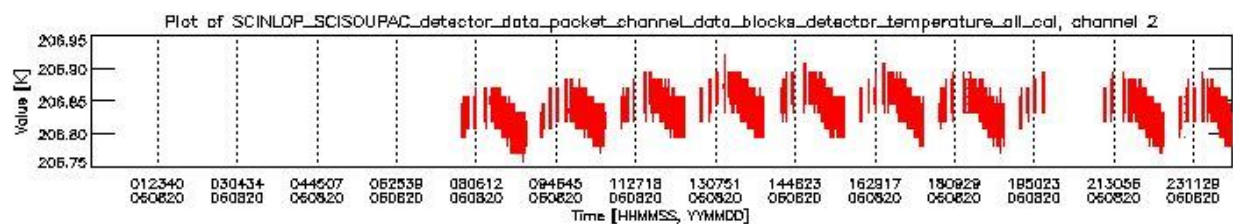
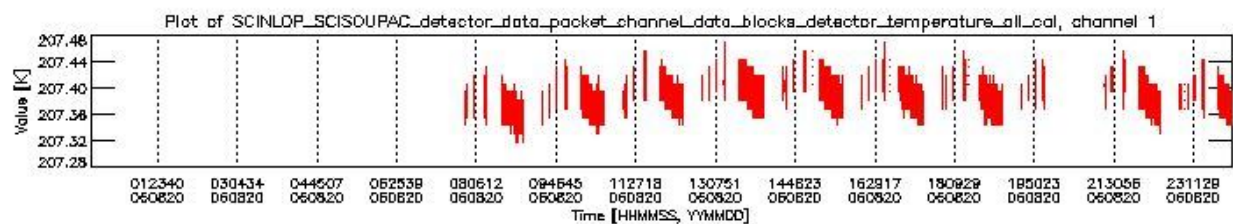
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060820\_1.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060820\_2.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060820\_3.PNG

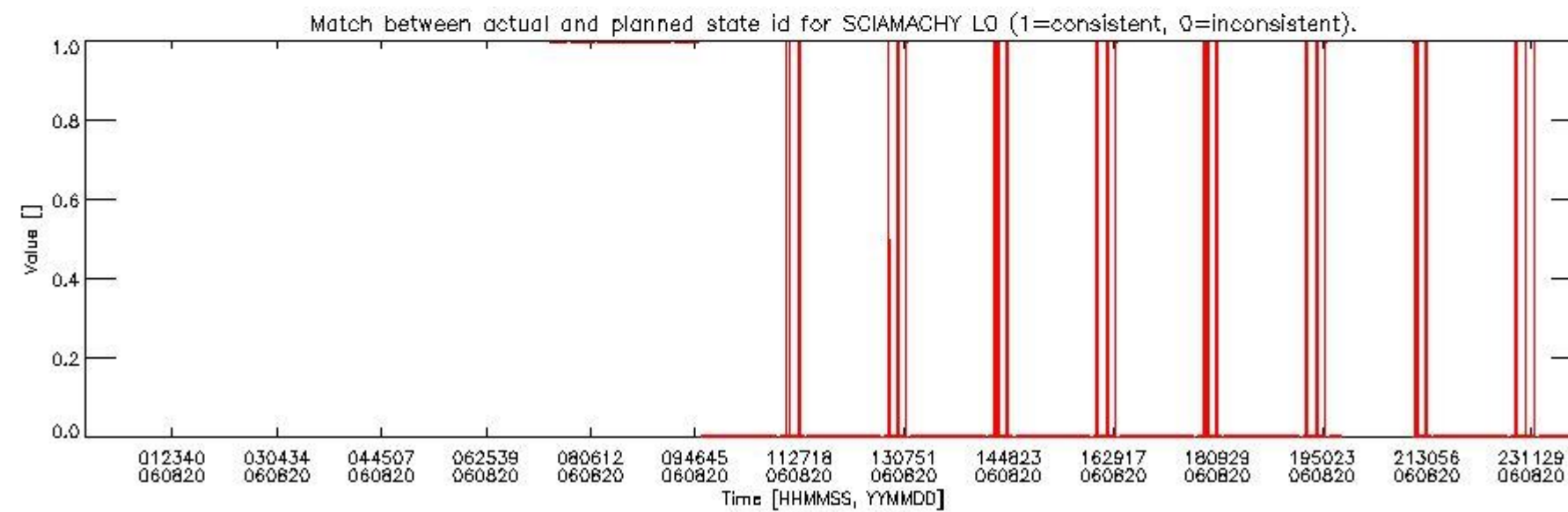
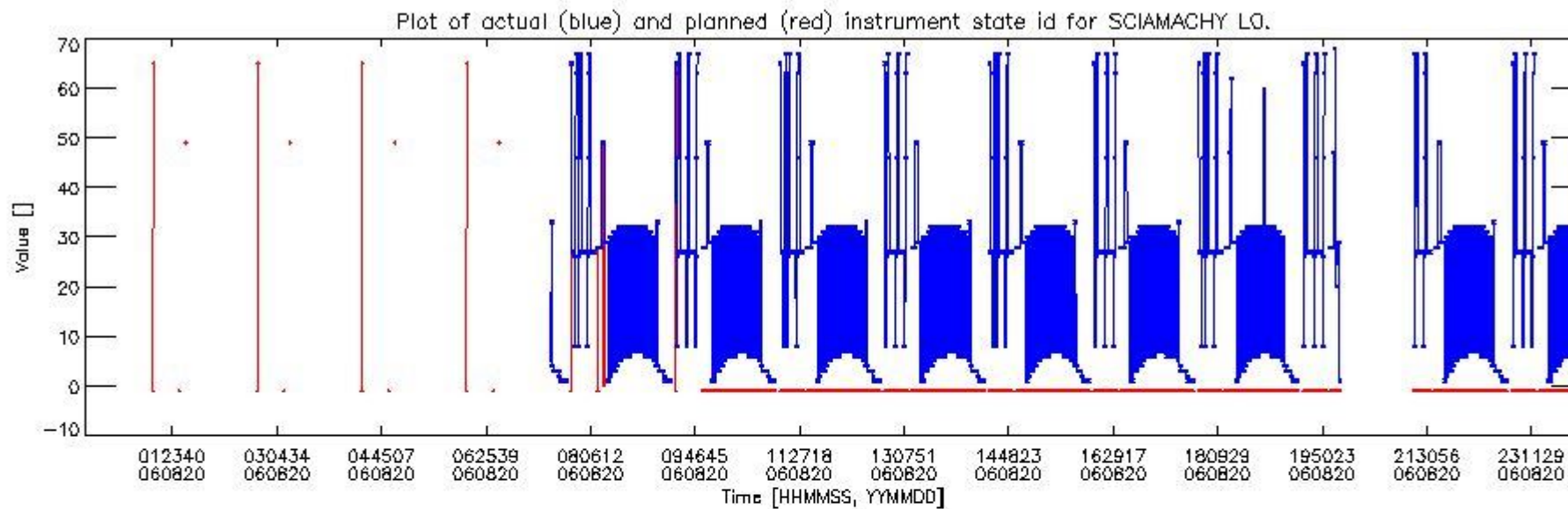


### 0.3 State monitoring

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: **200533**

#	Actual time	Actual value	Planned time	Planned value
0	20AUG2006 09:53:42.453292	28	20AUG2006 09:53:42.453292	-1
1	20AUG2006 09:53:43.078273	28	20AUG2006 09:53:43.078273	-1
2	20AUG2006 09:53:43.453286	28	20AUG2006 09:53:43.453286	-1
3	20AUG2006 09:53:43.828299	28	20AUG2006 09:53:43.828299	-1
4	20AUG2006 09:53:44.390799	28	20AUG2006 09:53:44.390799	-1
5	20AUG2006 09:53:44.765772	28	20AUG2006 09:53:44.765772	-1
6	20AUG2006 09:53:45.140785	28	20AUG2006 09:53:45.140785	-1
7	20AUG2006 09:53:45.515798	28	20AUG2006 09:53:45.515798	-1
8	20AUG2006 09:53:46.078297	28	20AUG2006 09:53:46.078297	-1
9	20AUG2006 09:53:46.453310	28	20AUG2006 09:53:46.453310	-1
10	20AUG2006 09:53:46.828283	28	20AUG2006 09:53:46.828283	-1
11	20AUG2006 09:53:47.203296	28	20AUG2006 09:53:47.203296	-1
12	20AUG2006 09:53:47.453305	28	20AUG2006 09:53:47.453305	-1
13	20AUG2006 09:53:47.765796	28	20AUG2006 09:53:47.765796	-1
14	20AUG2006 09:53:48.140809	28	20AUG2006 09:53:48.140809	-1
15	20AUG2006 09:53:48.515781	28	20AUG2006 09:53:48.515781	-1
16	20AUG2006 09:53:48.890795	28	20AUG2006 09:53:48.890795	-1
17	20AUG2006 09:53:49.453294	28	20AUG2006 09:53:49.453294	-1
18	20AUG2006 09:53:49.828307	28	20AUG2006 09:53:49.828307	-1
19	20AUG2006 09:53:50.203280	28	20AUG2006 09:53:50.203280	-1
	...	...	...	...

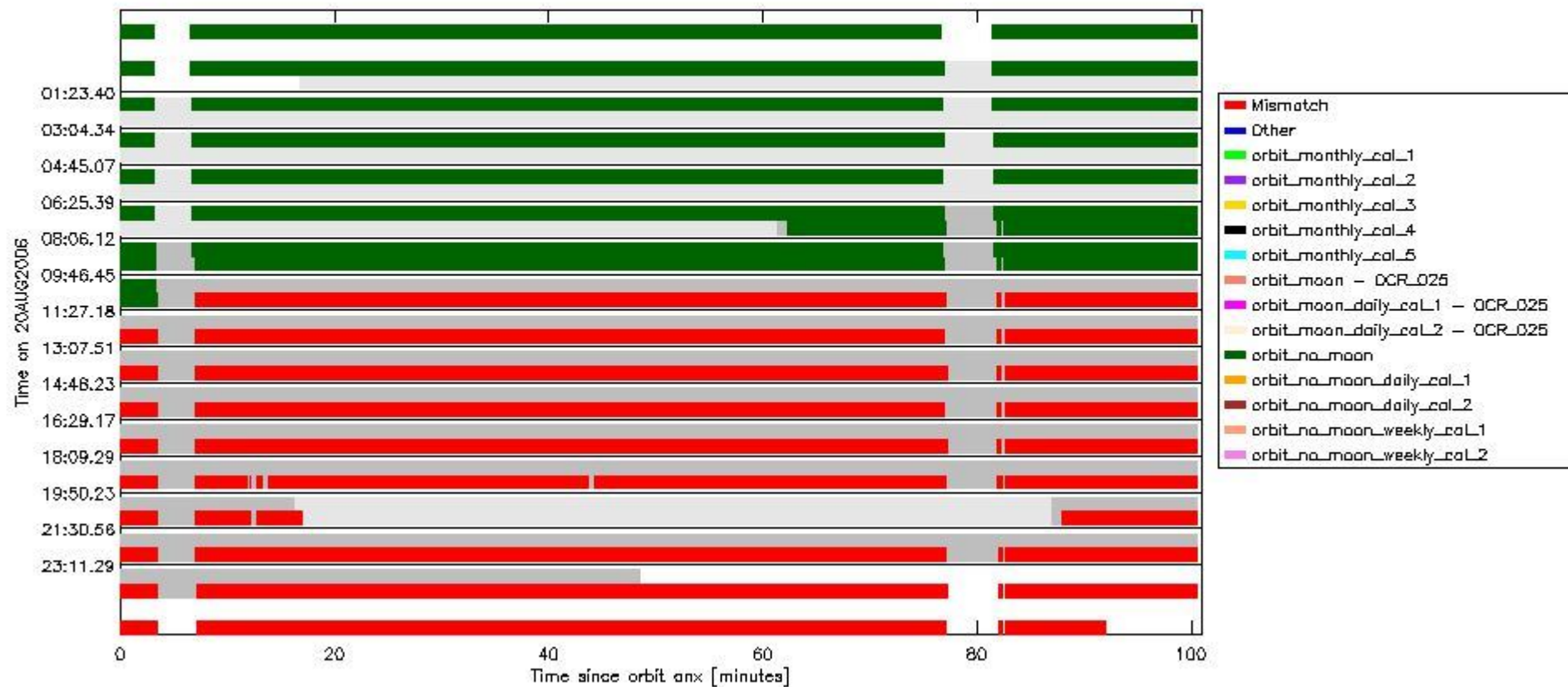


sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060820\_5.PNG

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 20AUG2006.  
 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\_PPHS\_5\_37\_N\_20060820\_6.PNG

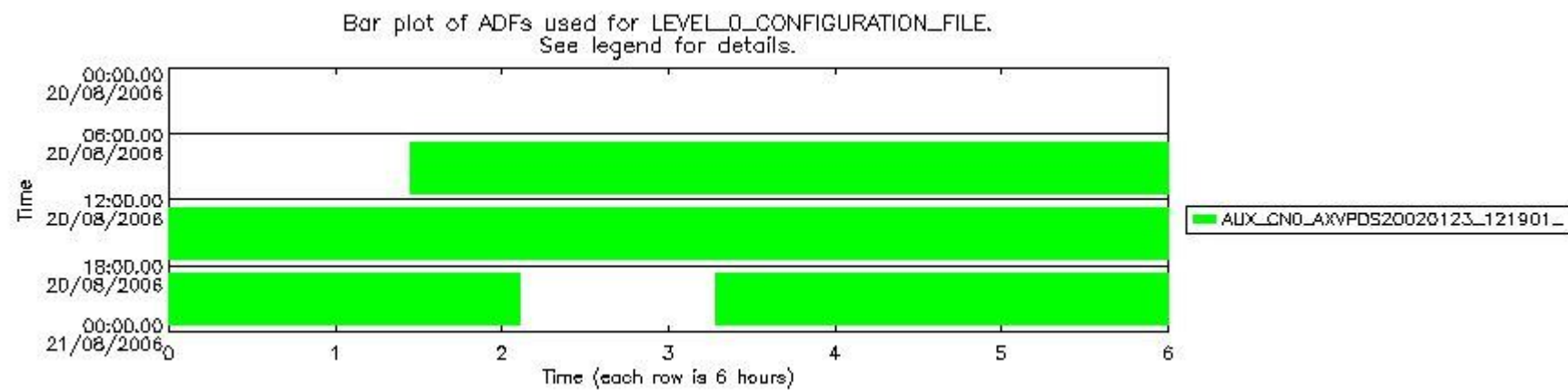
## 0.4 ADF monitoring

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

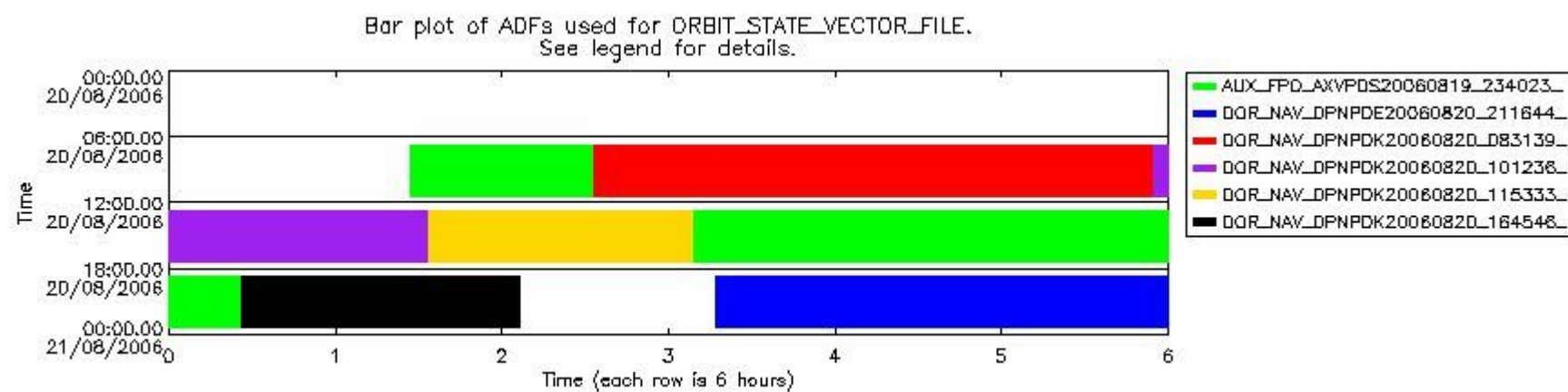
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

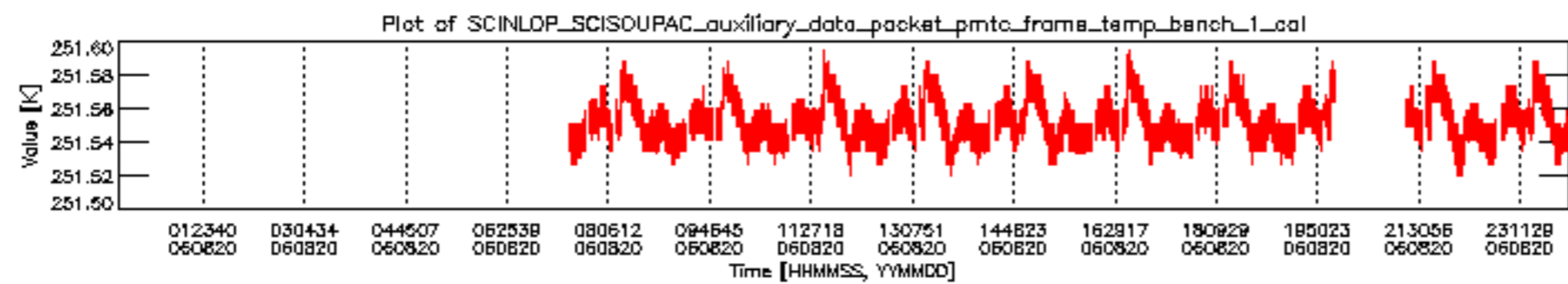
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20060819_234023_20060819_184120_20060829_200732
2	DOR_NAV_OPNPDE20060820_211644_000057382050_00286_23386_0389.N1
3	DOR_NAV_OPNPDK20060820_083139_000057382050_00279_23379_0482.N1
4	DOR_NAV_OPNPDK20060820_101236_000057382050_00280_23380_0483.N1
5	DOR_NAV_OPNPDK20060820_115333_000054192050_00281_23381_0484.N1
6	DOR_NAV_OPNPDK20060820_164546_000057382050_00284_23384_0487.N1



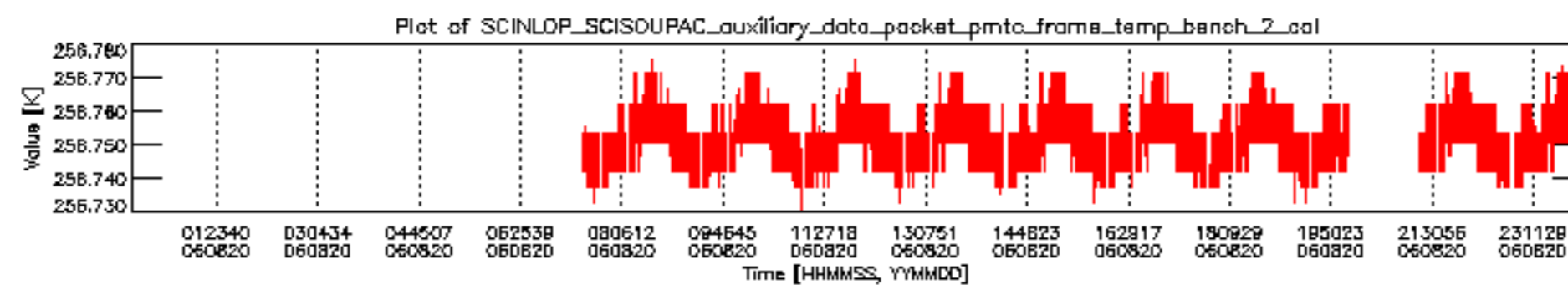
sciamachy\_daily\_report\_level0\_PPHS\_5\_37\_N\_20060820\_7.PNG

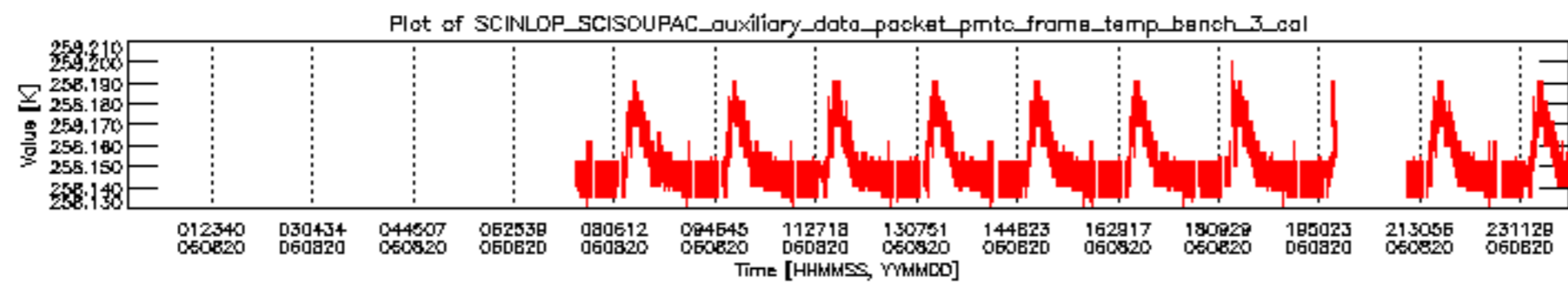


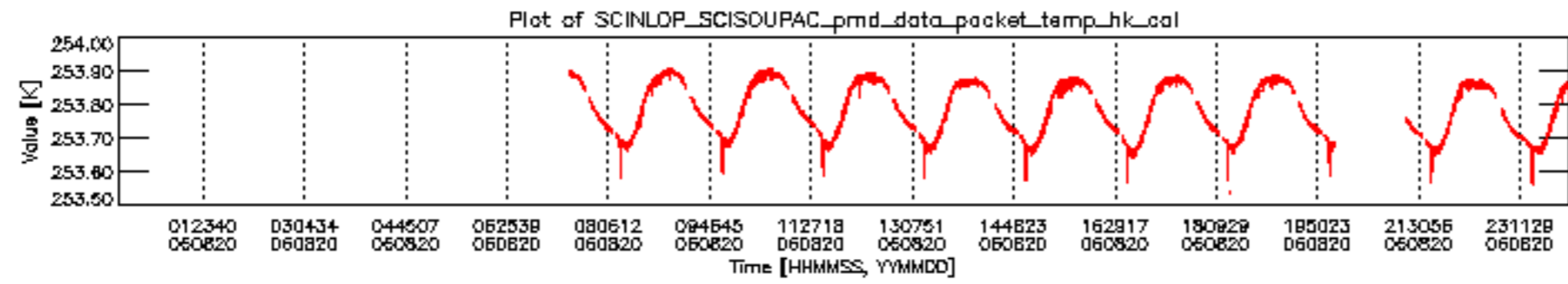
sciamachy\_daily\_report\_level0\_PPHS\_5\_37\_N\_20060820\_8.PNG

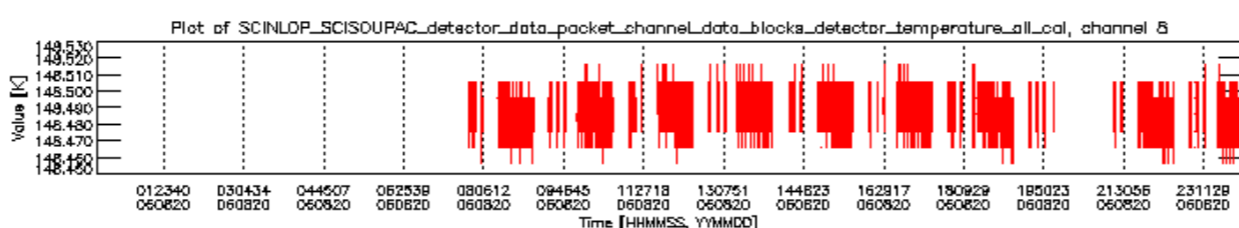
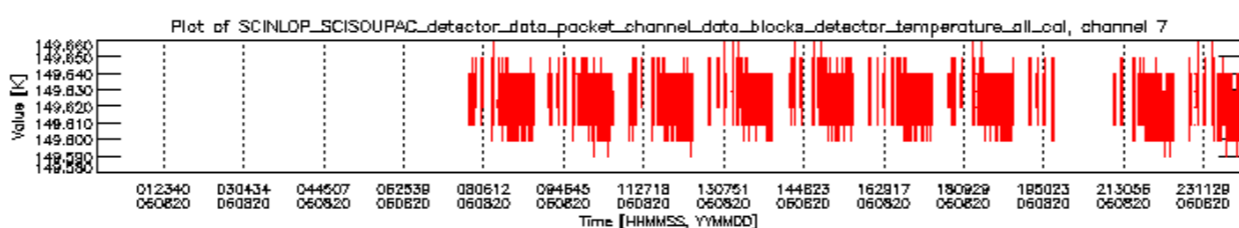
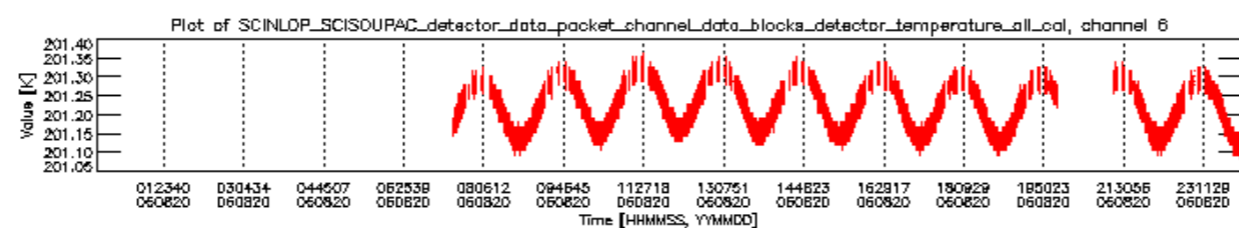
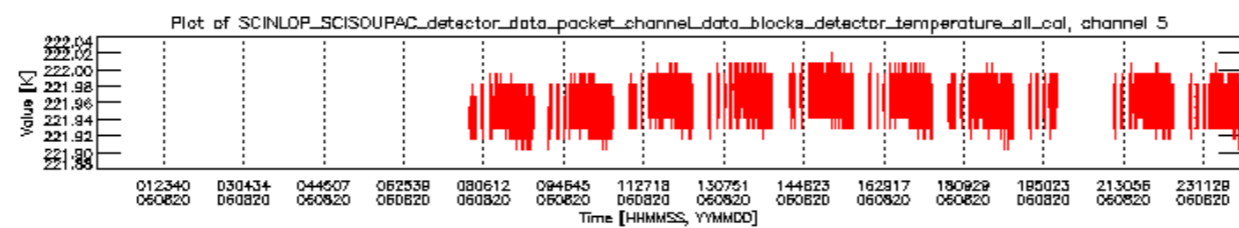
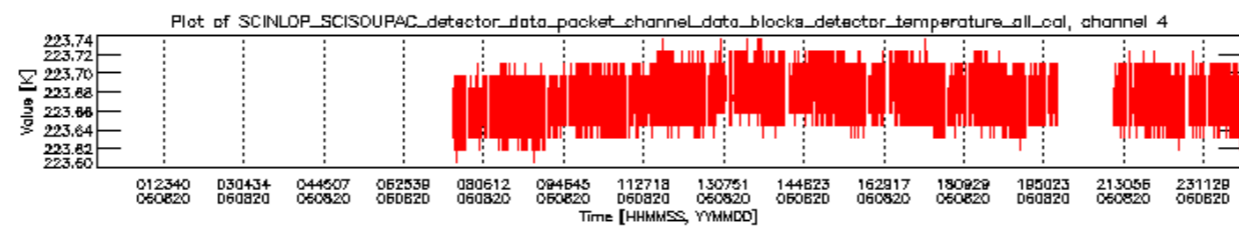
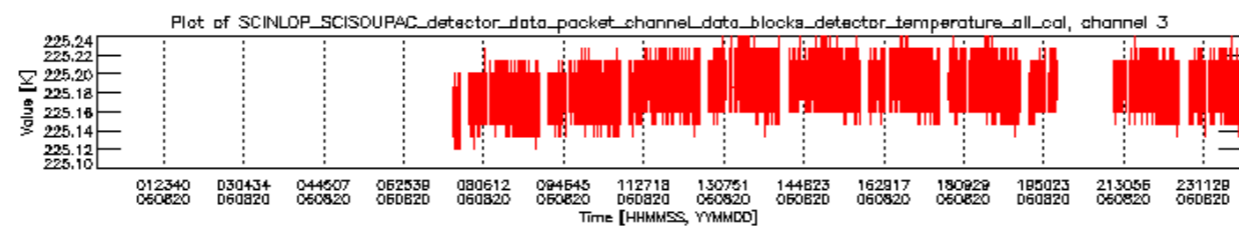
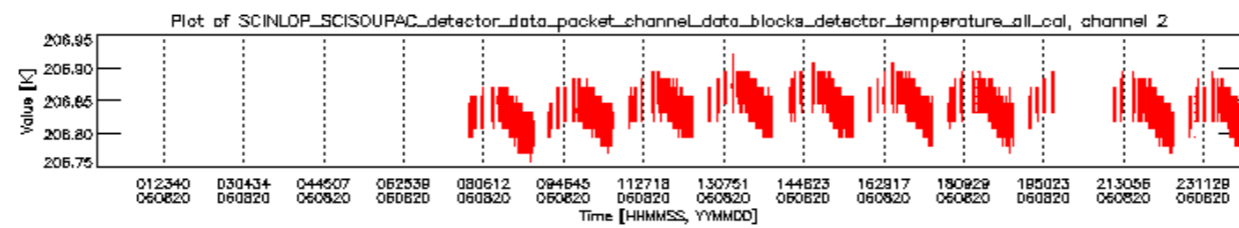
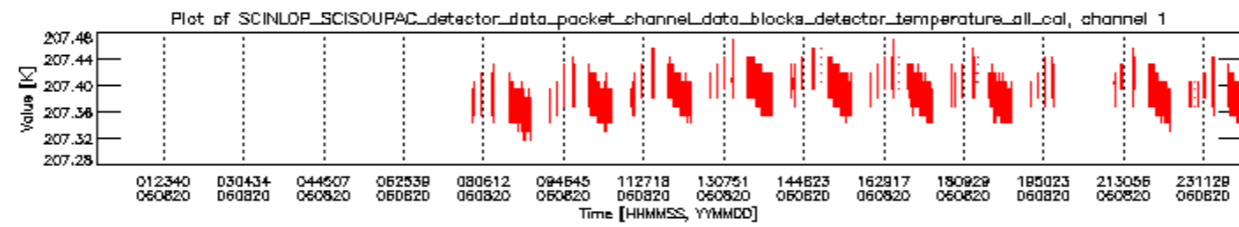


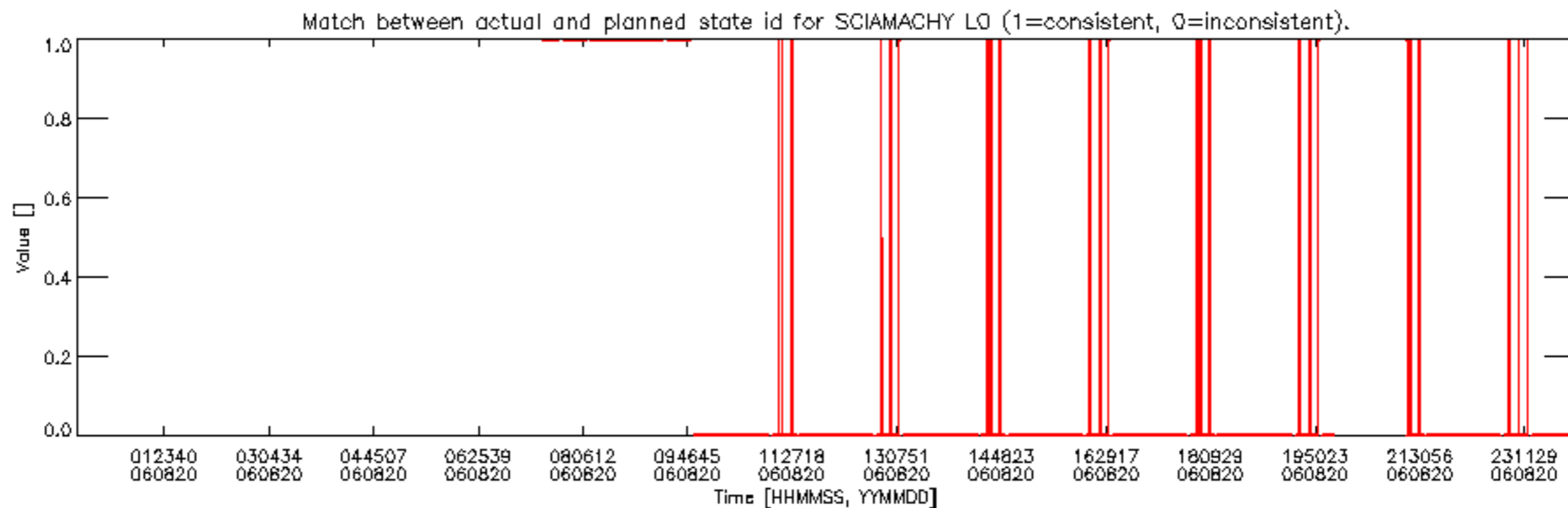
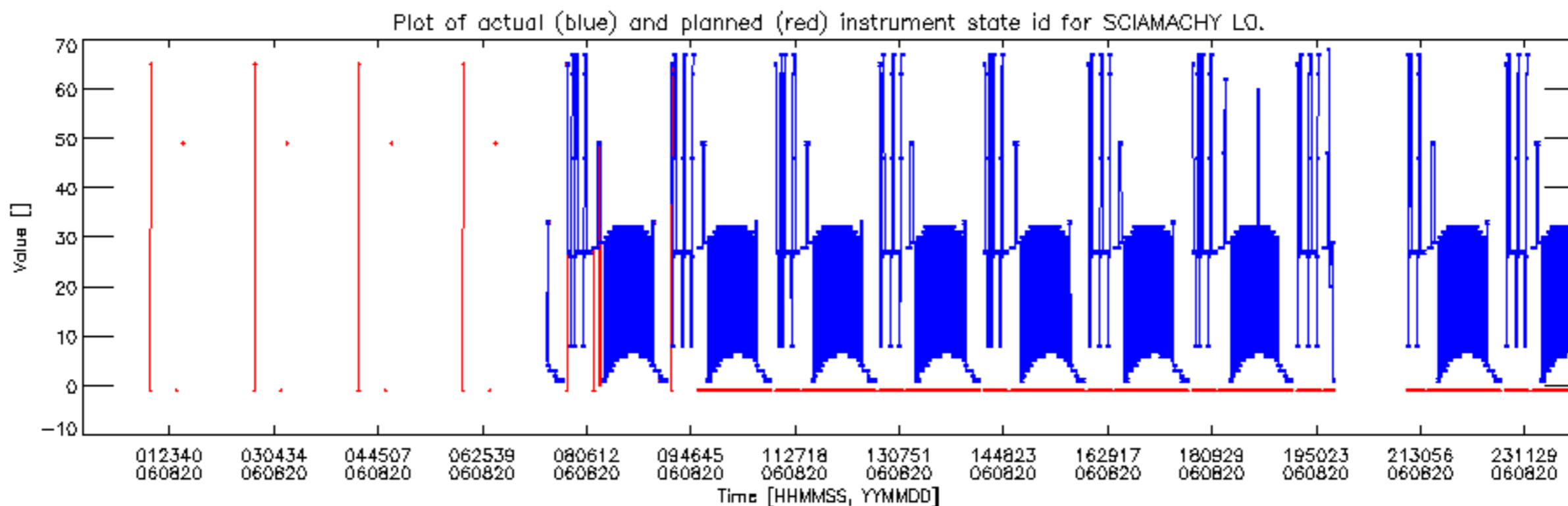




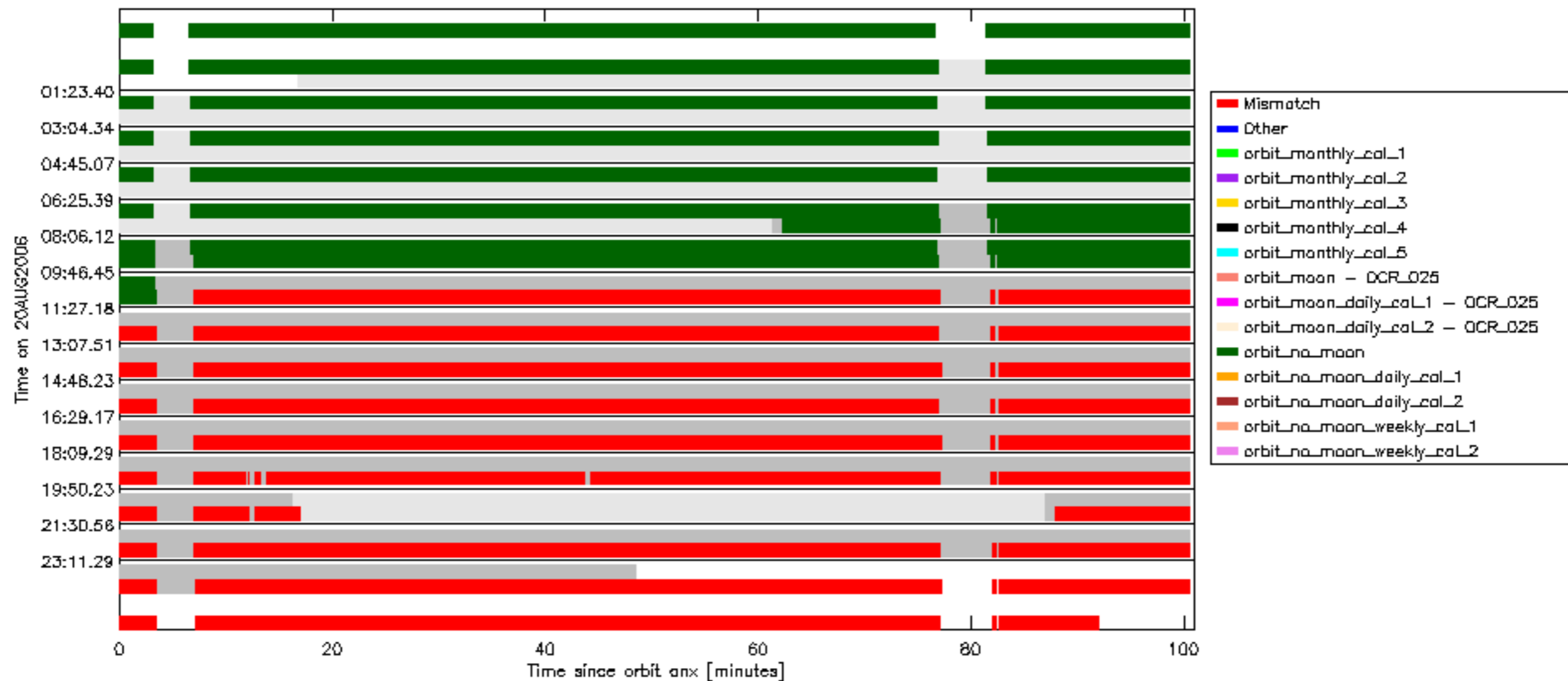


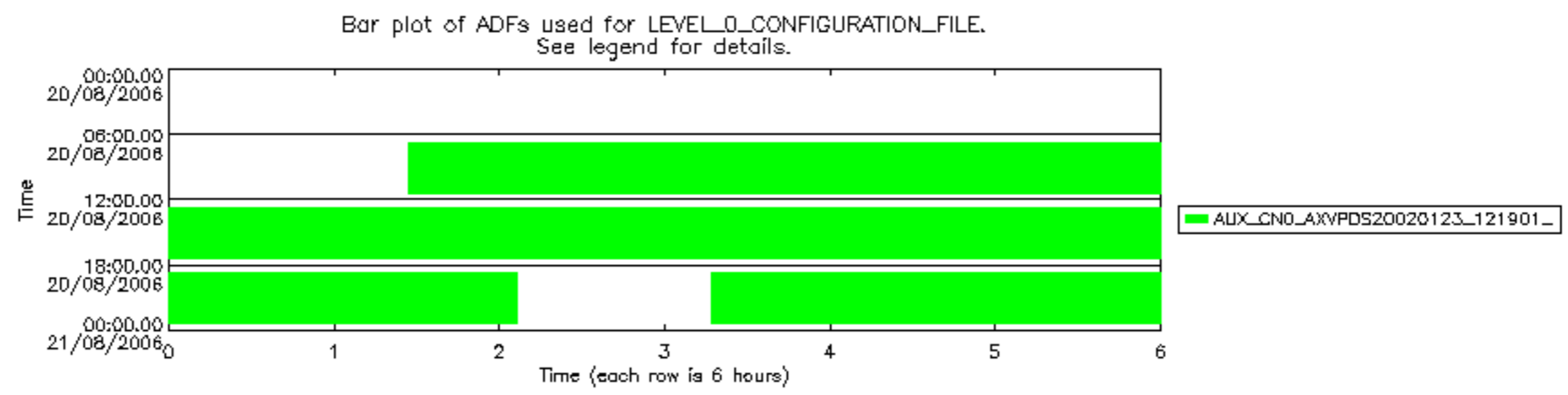






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 20AUG2006.  
 A medium gray color indicates the time span of available SCI\_NL\_1P products for this day.  
 The remaining colours indicate planned 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.

