

## 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	10MAR2008 14:39:08
Data source version	KSPT_L0/4303-N
Processing scope for products	06MAR2008 00:00:00 to 07MAR2008 00:00:00
Start time of first product within scope	05MAR2008 23:05:24
Stop time of last product within scope	07MAR2008 00:53:58
Total number of level 0 products	15
Number of level 0 products with errors	1

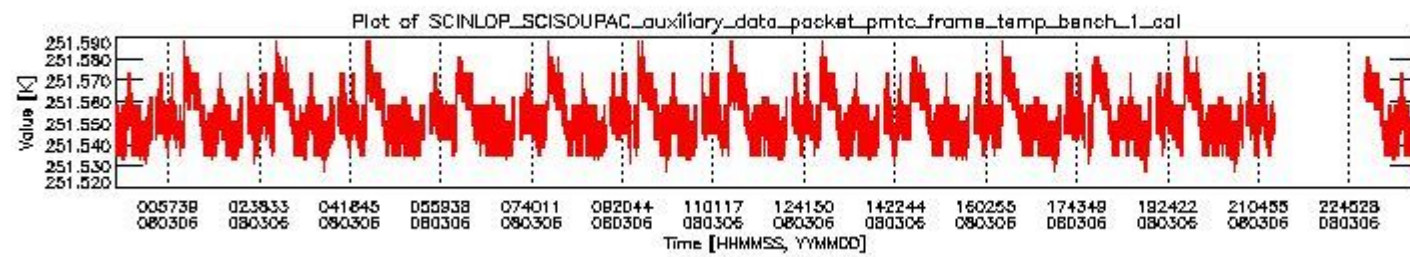
### 0.1.2 Summary per product

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

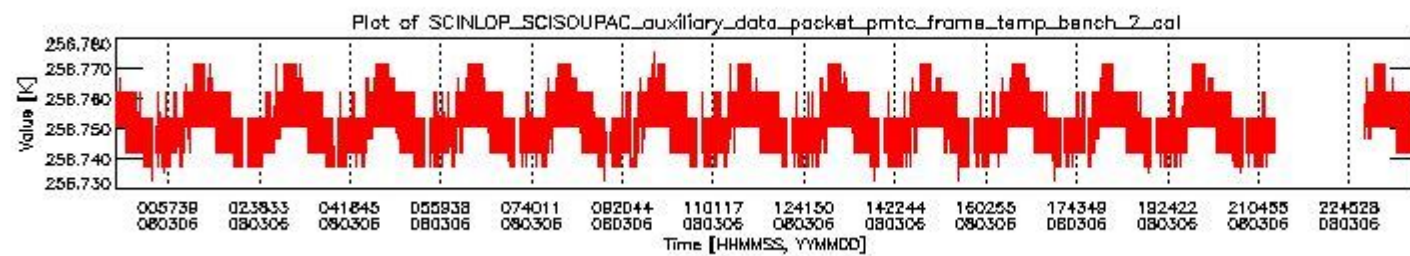
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080305_230524_000059922066_00330_31446_6271.N1	05MAR2008 23:05:24	06MAR2008 00:45:15	0	0	0	0	0
1	SCI_NL__OPNPDE20080306_004515_000056002066_00331_31447_6392.N1	06MAR2008 00:45:15	06MAR2008 02:18:35	0	0	0	0	0
2	SCI_NL__OPNPDE20080306_022550_000043612066_00332_31448_6393.N1	06MAR2008 02:25:50	06MAR2008 03:38:32	0	0	0	0	0
3	SCI_NL__OPNPDE20080306_033736_000060912066_00333_31449_6274.N1	06MAR2008 03:37:36	06MAR2008 05:19:07	0	0	0	0	0
4	SCI_NL__OPNPDE20080306_051907_000061042066_00334_31450_6275.N1	06MAR2008 05:19:07	06MAR2008 07:00:51	0	0	0	0	0
5	SCI_NL__OPNPDK20080306_065943_000040452066_00335_31451_7568.N1	06MAR2008 06:59:43	06MAR2008 08:07:07	0	0	0	0	0
6	SCI_NL__OPNPDK20080306_080559_000062282066_00336_31452_7569.N1	06MAR2008 08:05:59	06MAR2008 09:49:47	0	0	0	0	0
7	SCI_NL__OPNPDK20080306_094851_000058982066_00337_31453_7570.N1	06MAR2008 09:48:51	06MAR2008 11:27:10	0	0	0	0	0
8	SCI_NL__OPNPDK20080306_112505_000062282066_00338_31454_7571.N1	06MAR2008 11:25:05	06MAR2008 13:08:53	0	0	0	0	0
9	SCI_NL__OPNPDK20080306_130758_000058982066_00339_31455_7572.N1	06MAR2008 13:07:58	06MAR2008 14:46:16	0	0	0	0	0
10	SCI_NL__OPNPDK20080306_144520_000059112066_00340_31456_7573.N1	06MAR2008 14:45:20	06MAR2008 16:23:51	0	0	0	0	0
11	SCI_NL__OPNPDK20080306_162159_000060062066_00341_31457_7574.N1	06MAR2008 16:21:59	06MAR2008 18:02:06	0	0	0	0	0
12	SCI_NL__OPNPDK20080306_180125_000059122066_00342_31458_7575.N1	06MAR2008 18:01:25	06MAR2008 19:39:57	0	0	0	0	0
13	SCI_NL__OPNPDK20080306_193957_000060352066_00343_31459_7576.N1	06MAR2008 19:39:57	06MAR2008 21:20:32	0	0	0	0	0
14	SCI_NL__OPNPDE20080306_230107_000067702066_00345_31461_6221.N1	06MAR2008 23:01:07	07MAR2008 00:53:58	1	1	1	0	0

## 0.2 Product Quality Indicators

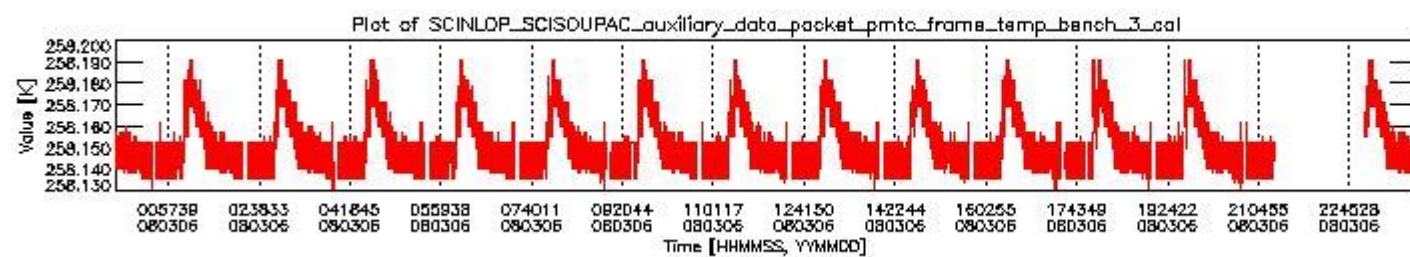
This section shows information about product quality, currently temperatures.



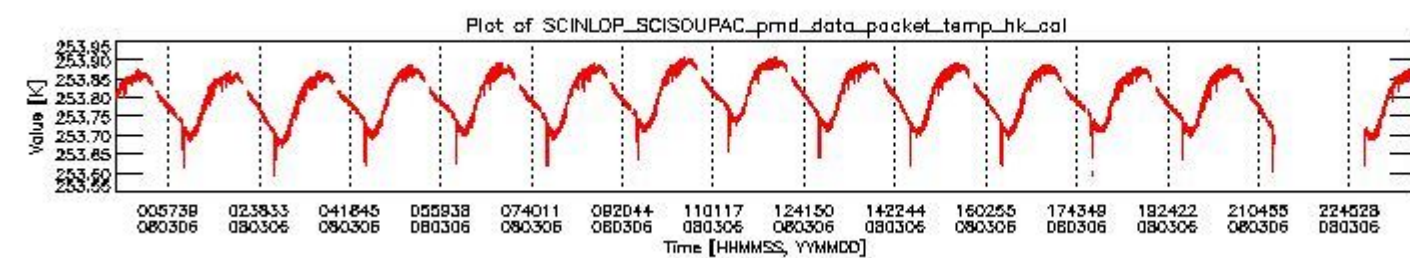
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080306\_0.PNG



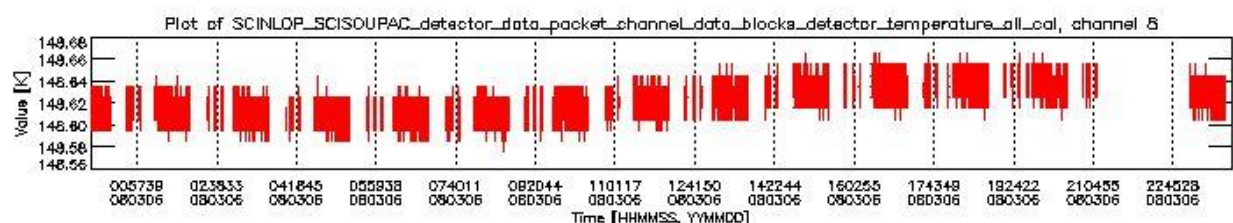
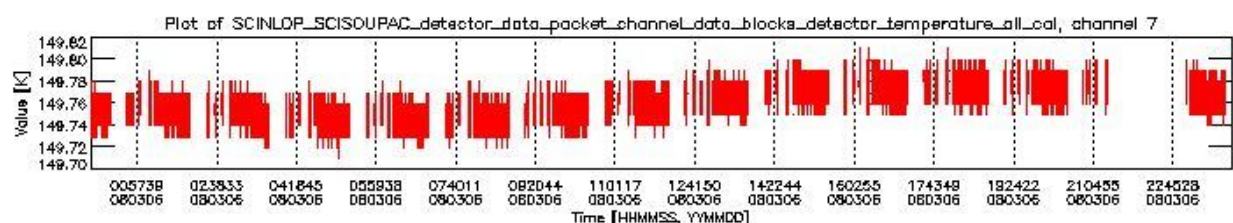
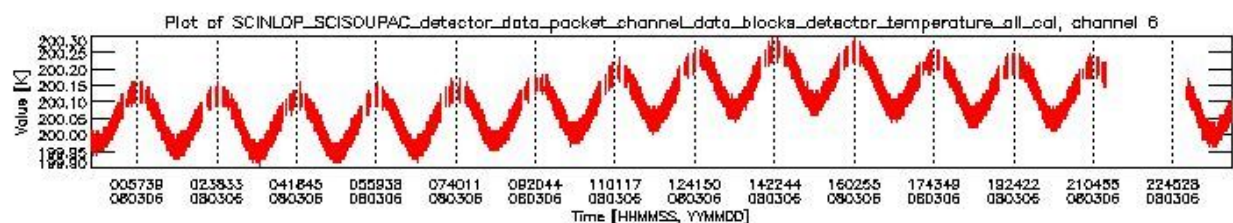
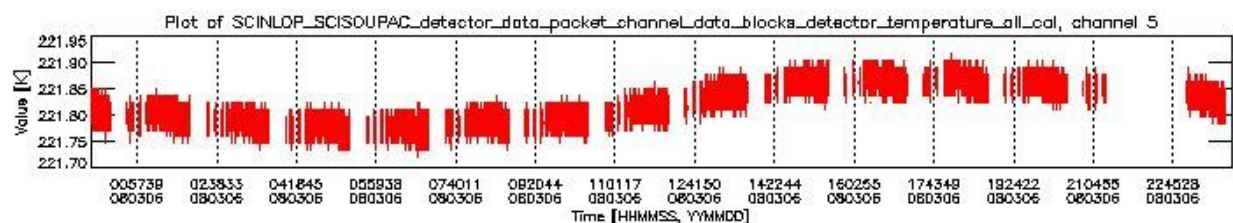
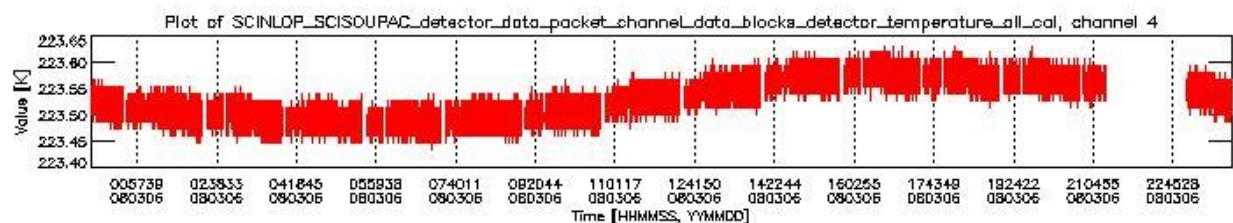
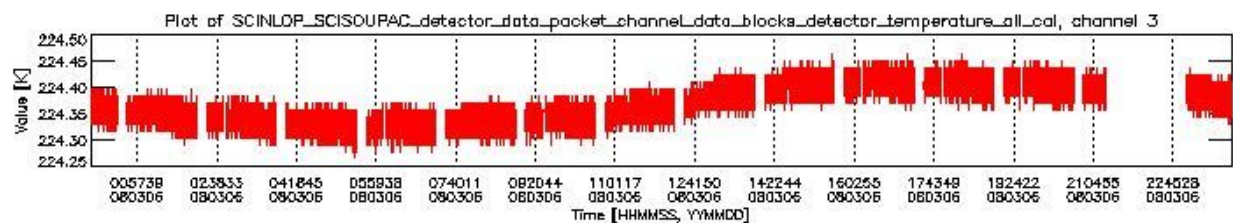
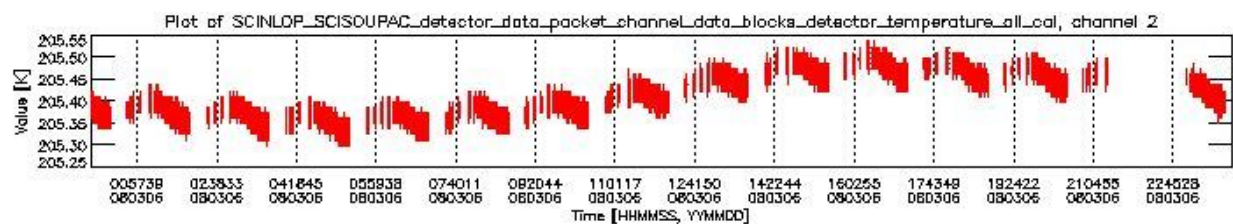
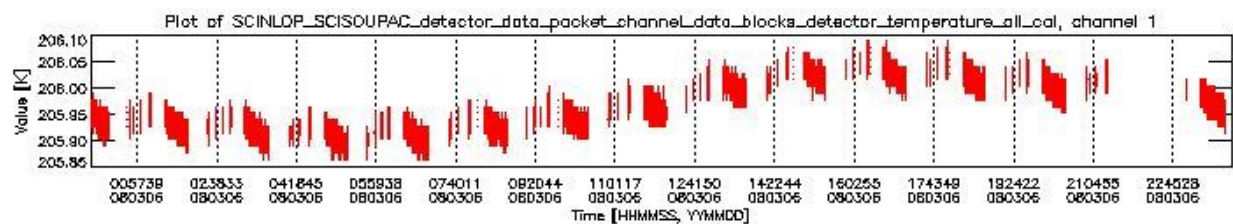
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080306\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080306\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080306\_3.PNG

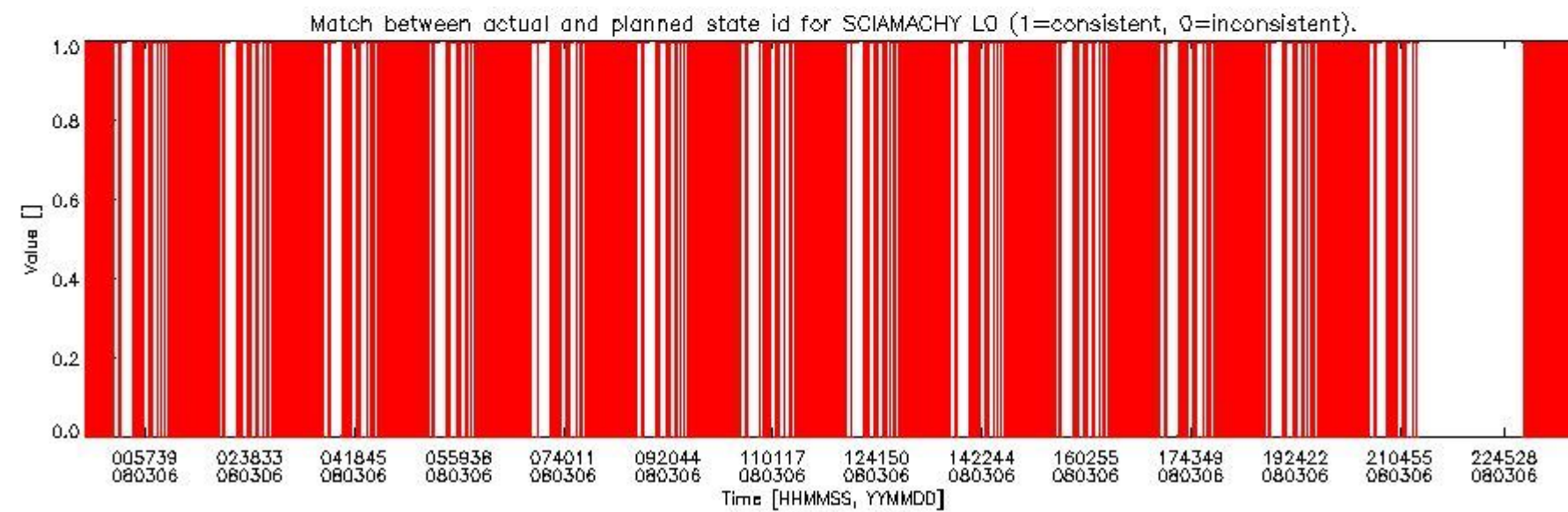
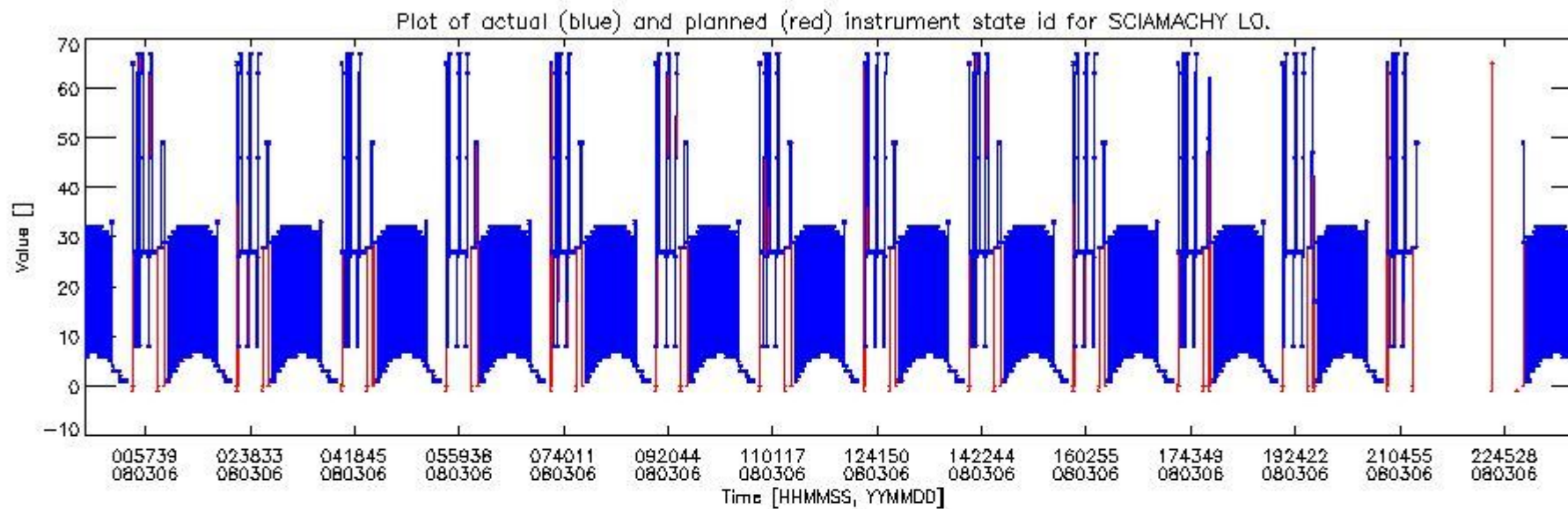


### 0.3 State monitoring

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: **32826**

#	Actual time	Actual value	Planned time	Planned value
0	06MAR2008 00:00:45.899288	6	06MAR2008 00:00:45.899288	32
1	06MAR2008 00:00:46.274301	6	06MAR2008 00:00:46.274301	32
2	06MAR2008 00:00:46.524310	6	06MAR2008 00:00:46.524310	32
3	06MAR2008 00:00:46.774279	6	06MAR2008 00:00:46.774279	32
4	06MAR2008 00:00:47.024287	6	06MAR2008 00:00:47.024287	32
5	06MAR2008 00:00:47.274296	6	06MAR2008 00:00:47.274296	32
6	06MAR2008 00:00:47.524305	6	06MAR2008 00:00:47.524305	32
7	06MAR2008 00:00:47.774313	6	06MAR2008 00:00:47.774313	32
8	06MAR2008 00:00:48.024282	6	06MAR2008 00:00:48.024282	32
9	06MAR2008 00:00:48.274291	6	06MAR2008 00:00:48.274291	32
10	06MAR2008 00:00:48.524299	6	06MAR2008 00:00:48.524299	32
11	06MAR2008 00:00:48.774308	6	06MAR2008 00:00:48.774308	32
12	06MAR2008 00:00:49.024317	6	06MAR2008 00:00:49.024317	32
13	06MAR2008 00:00:49.274285	6	06MAR2008 00:00:49.274285	32
14	06MAR2008 00:00:49.524294	6	06MAR2008 00:00:49.524294	32
15	06MAR2008 00:00:49.774303	6	06MAR2008 00:00:49.774303	32
16	06MAR2008 00:00:50.024311	6	06MAR2008 00:00:50.024311	32
17	06MAR2008 00:00:50.274280	6	06MAR2008 00:00:50.274280	32
18	06MAR2008 00:00:50.524288	6	06MAR2008 00:00:50.524288	32
19	06MAR2008 00:00:50.774297	6	06MAR2008 00:00:50.774297	32
	...	...	...	...

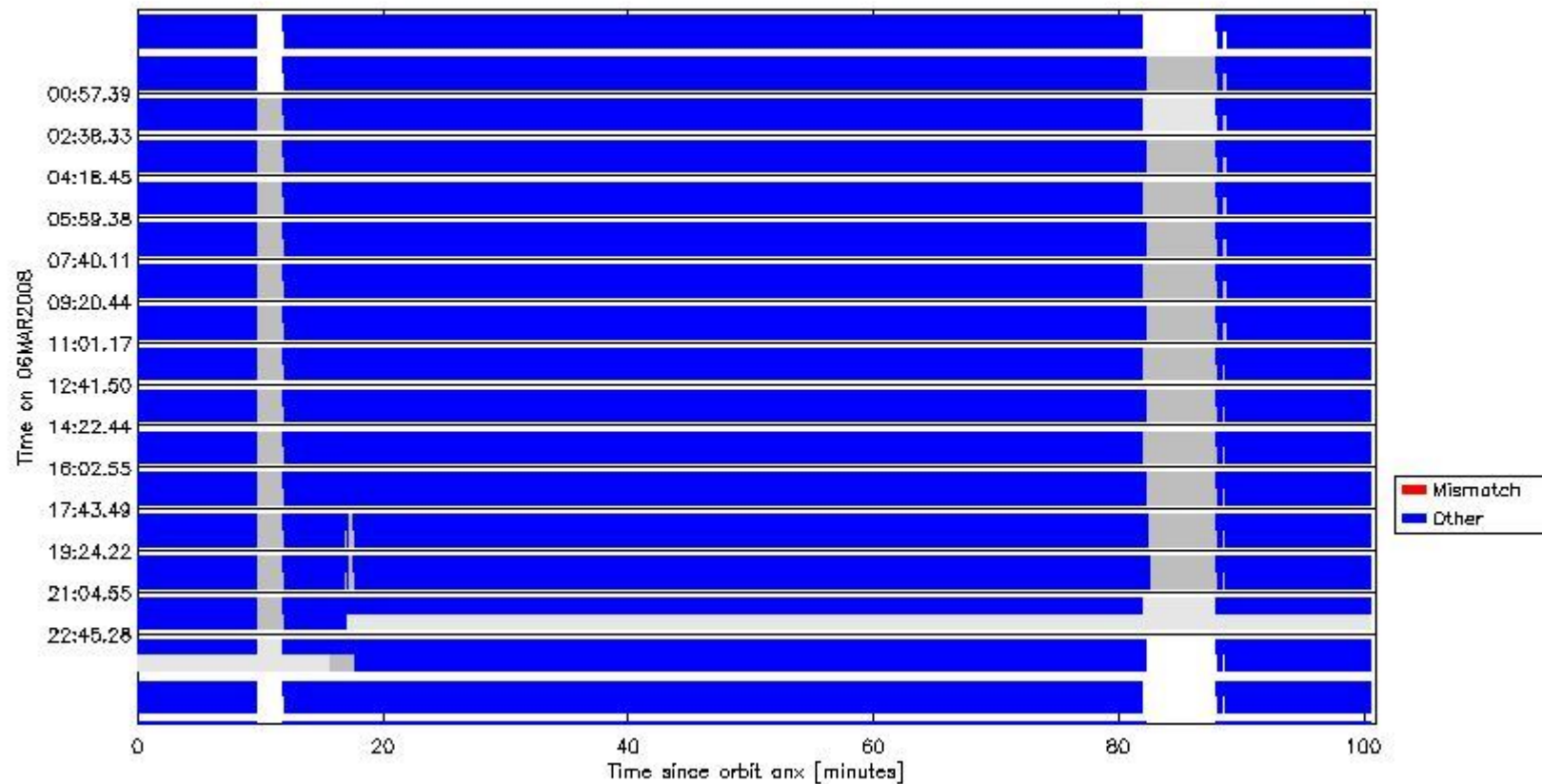


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080306\_5.PNG

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 06MAR2008.  
 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\_20080306\_6.PNG

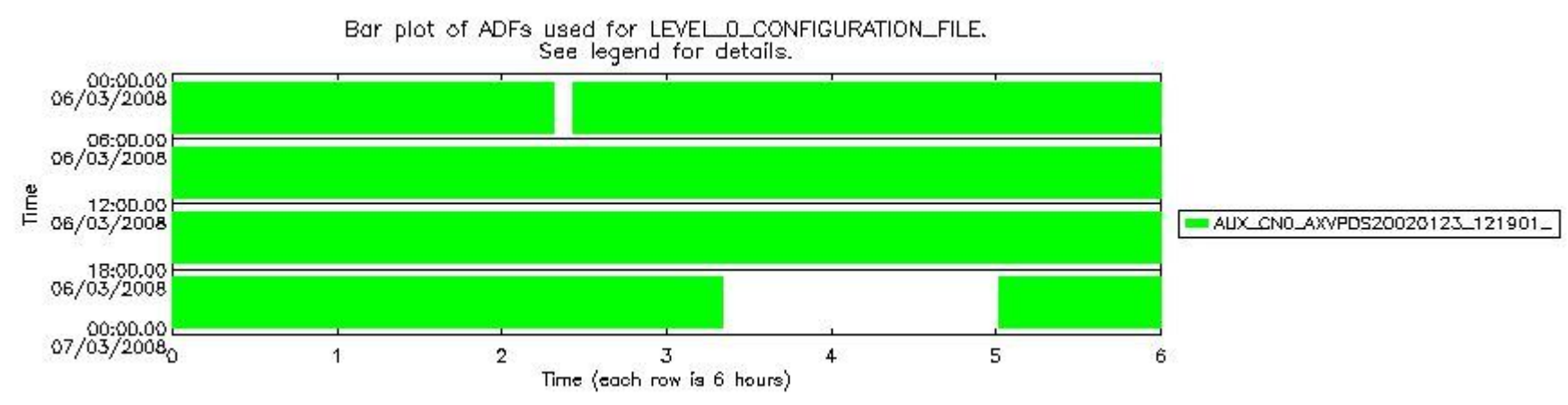
## 0.4 ADF monitoring

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

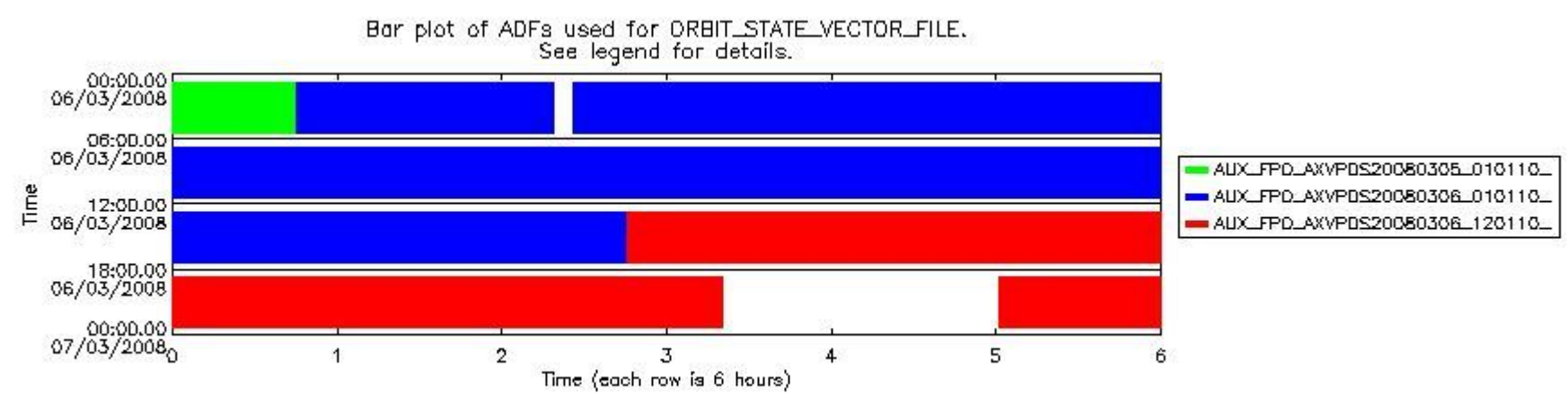
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

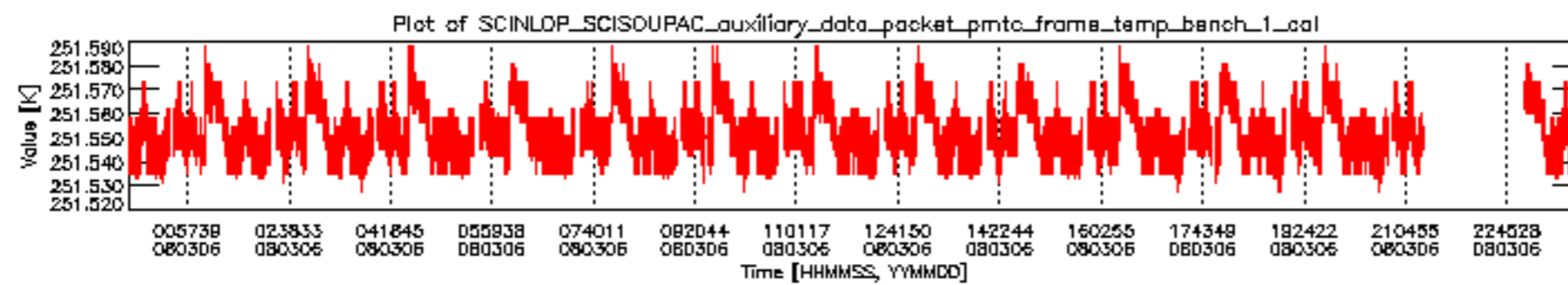
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20080305_010110_20080304_184656_20080314_201310</b>
2	<b>AUX_FPO_AXVPDS20080306_010110_20080305_195555_20080315_212209</b>
3	<b>AUX_FPO_AXVPDS20080306_120110_20080306_092042_20080315_230245</b>



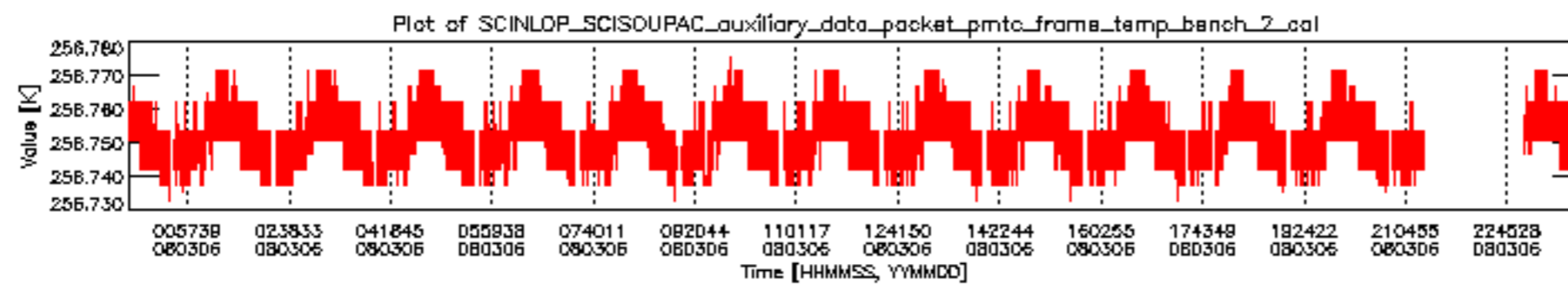
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080306\_7.PNG

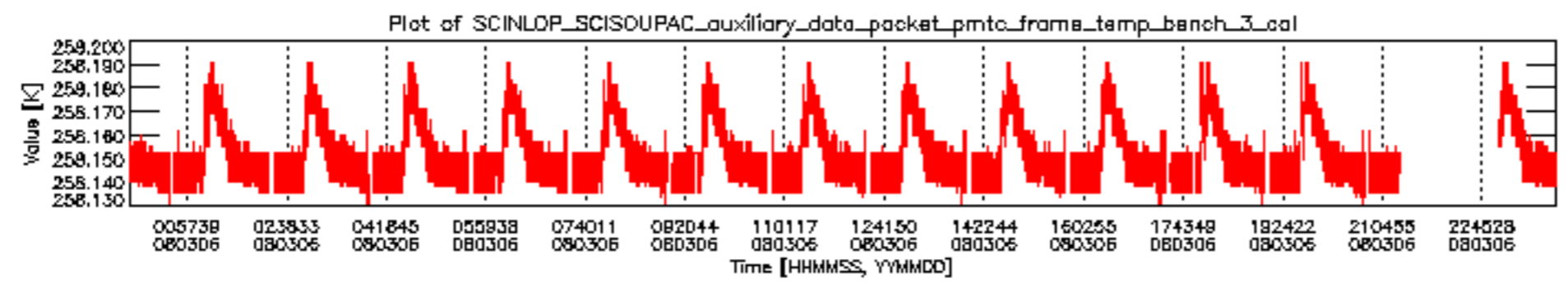


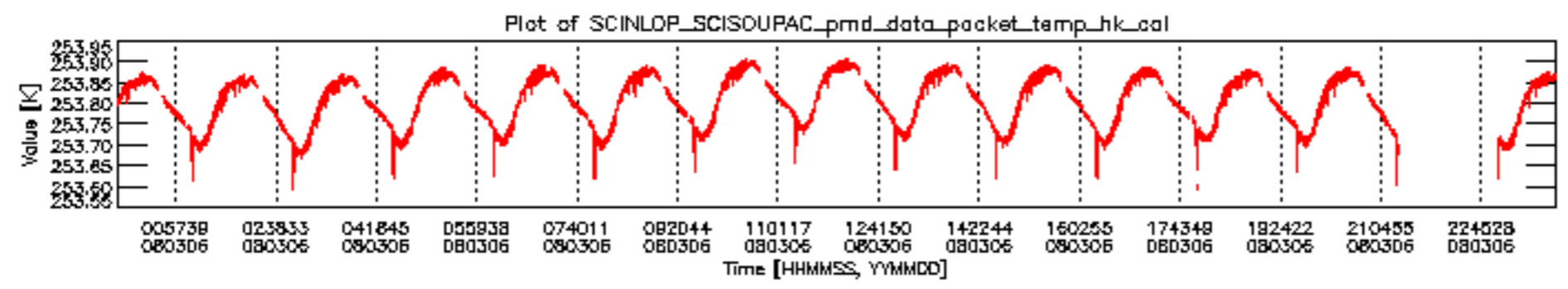
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080306\_8.PNG

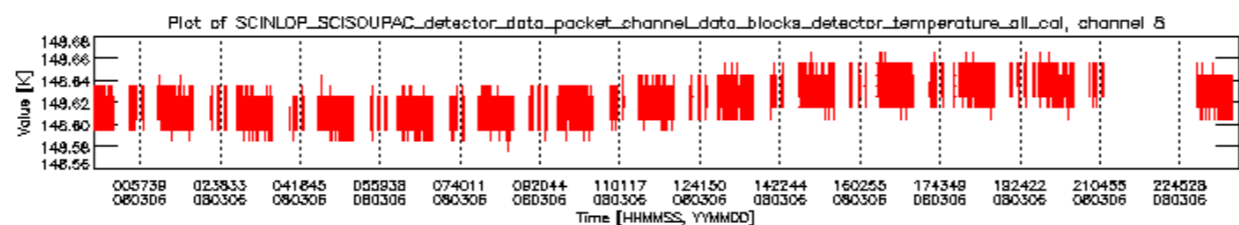
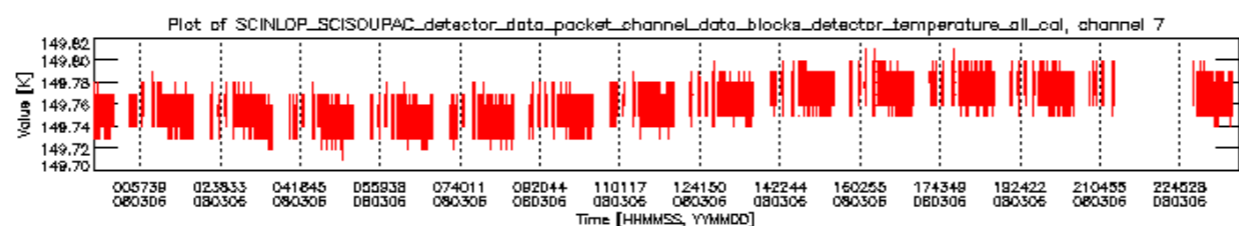
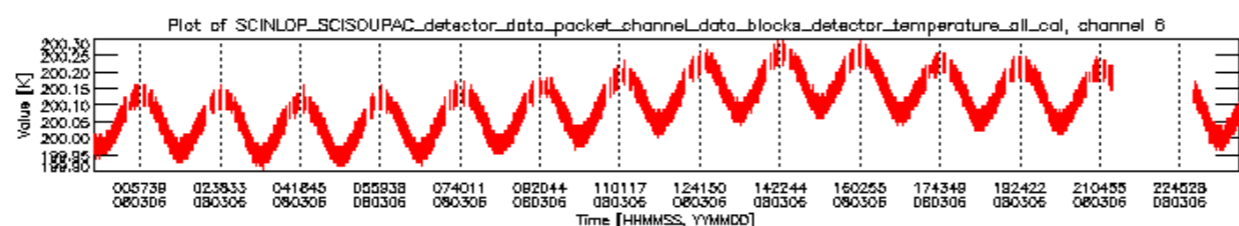
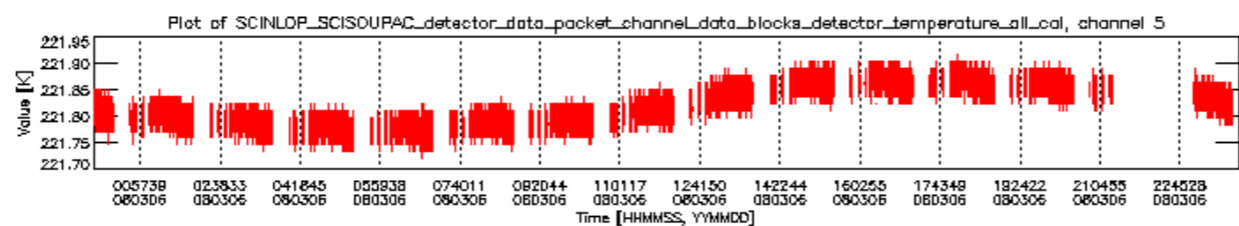
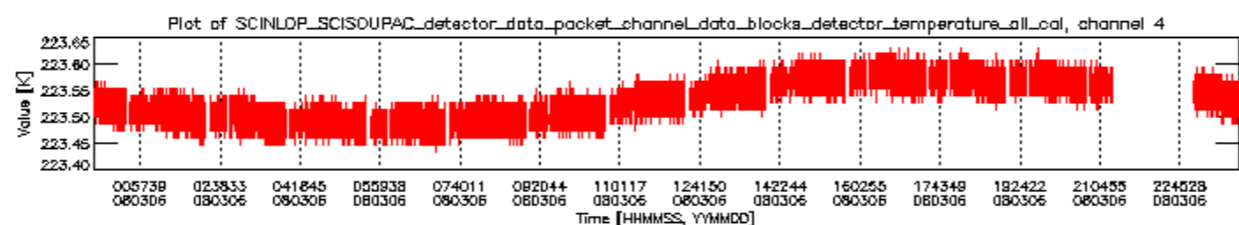
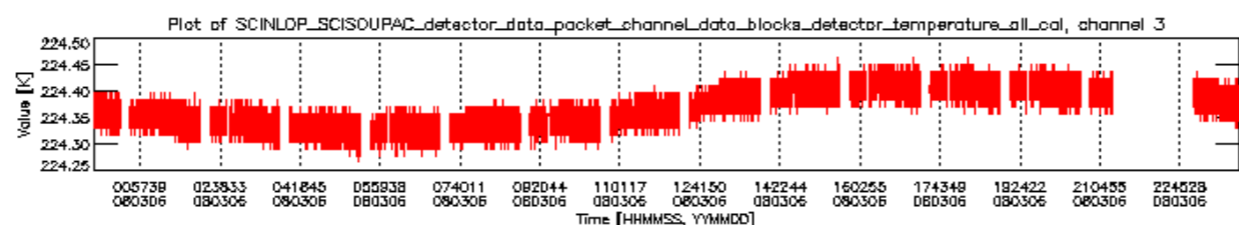
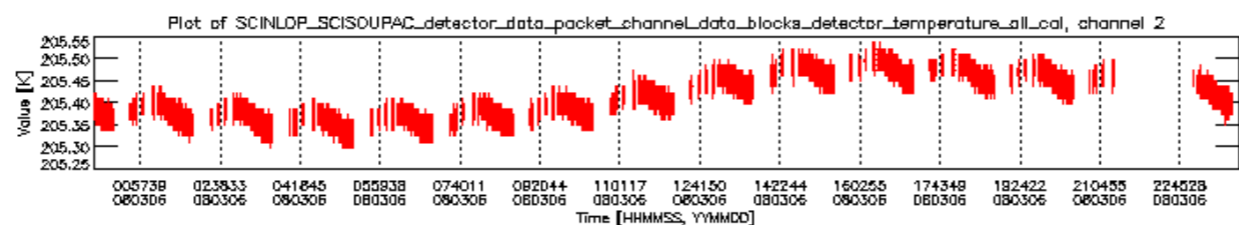
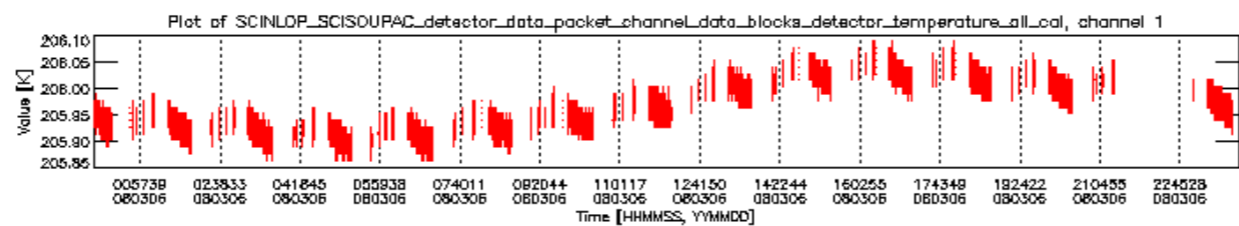


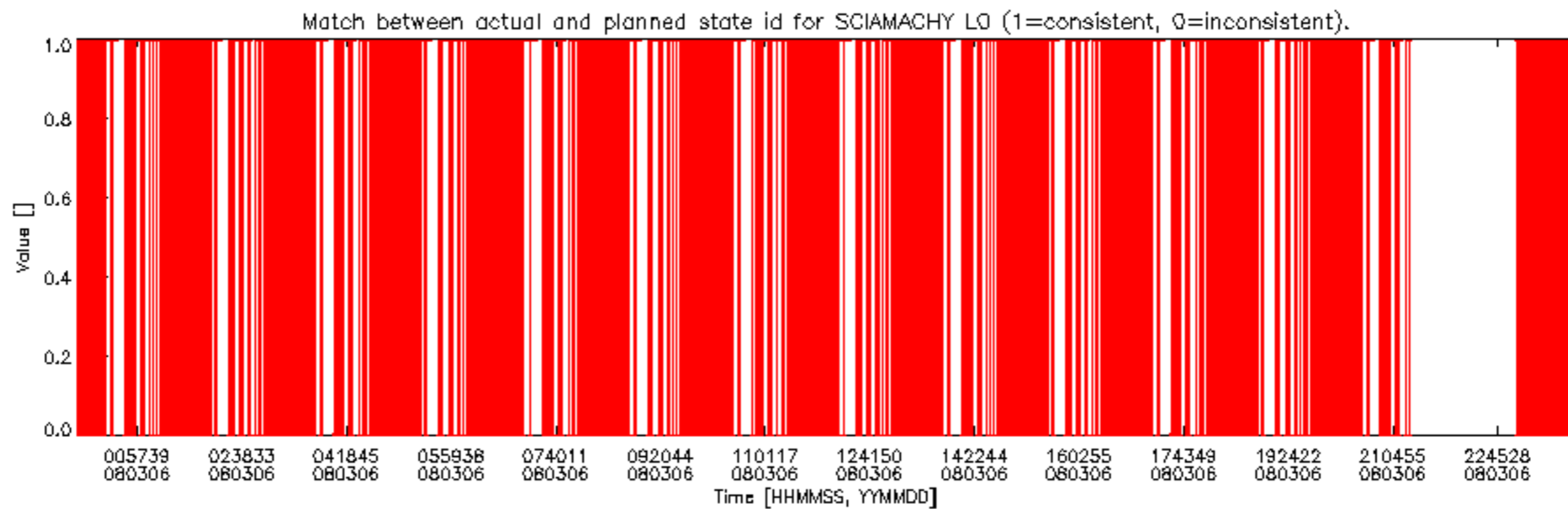
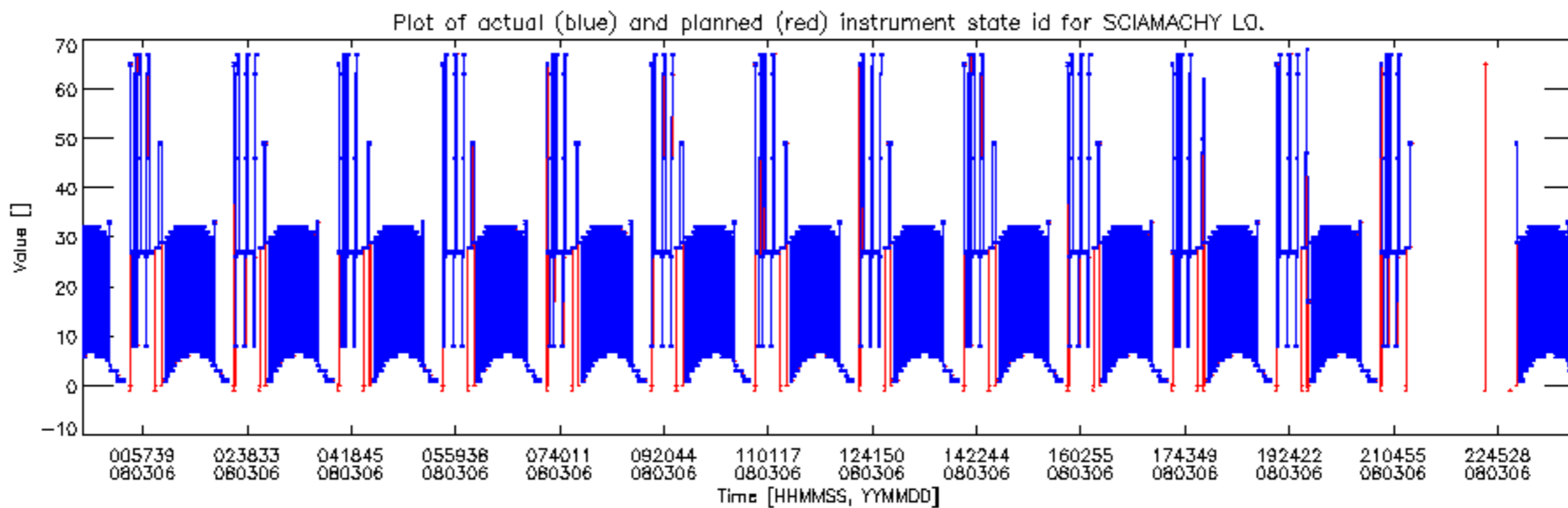




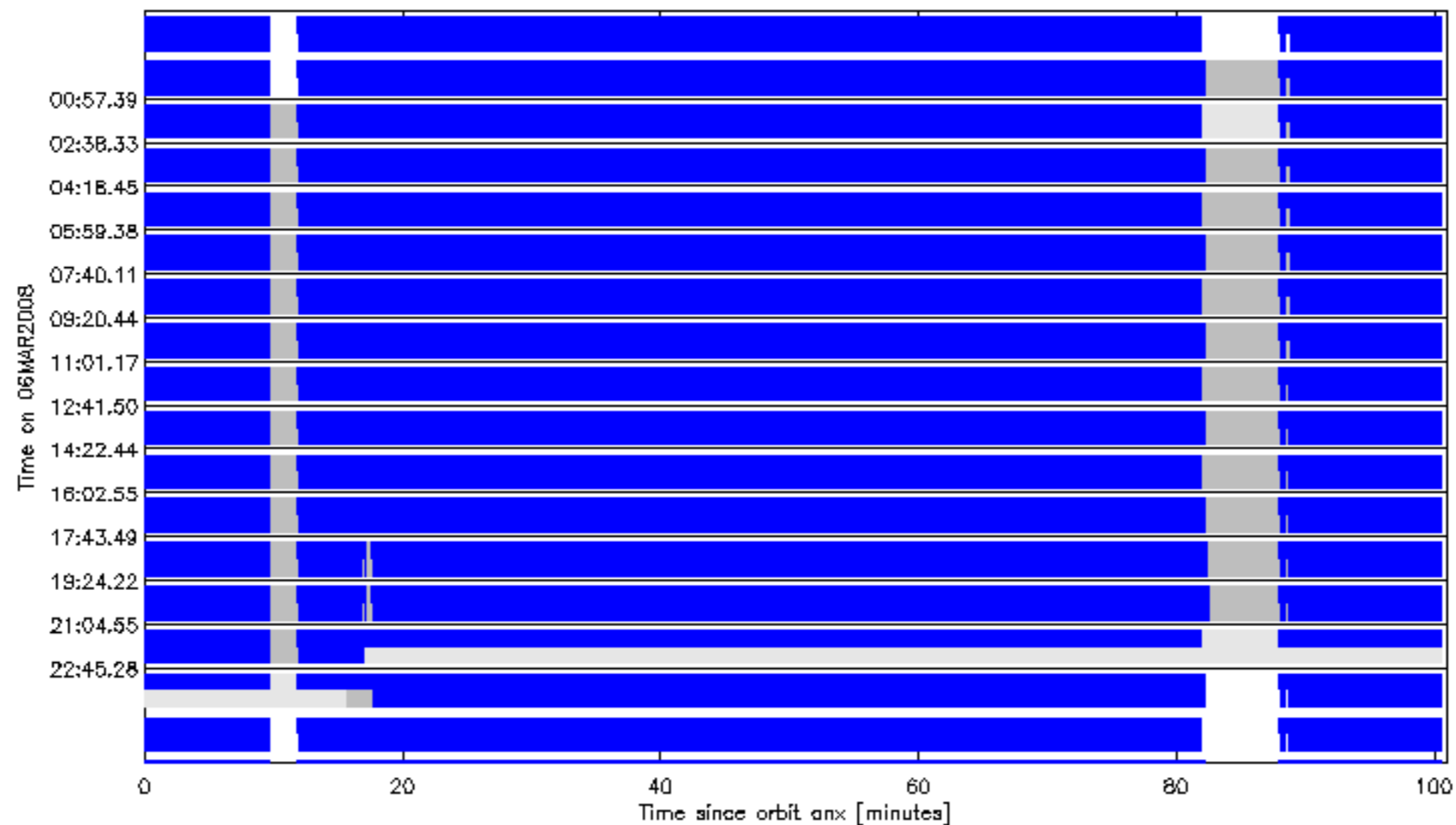


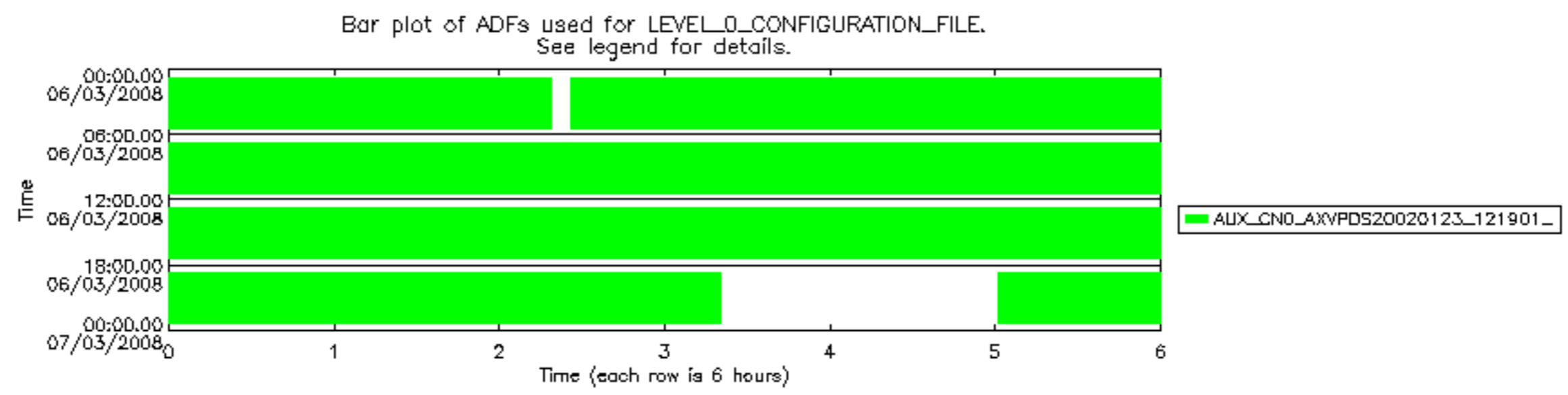






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 06MAR2008.  
 A medium gray color indicates the time span of available SCI\_NL\_1P products for this day.  
 The remaining colours indicate planned 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.

