

## 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	13MAR2009 07:13:38
Data source version	KSPT_L0/4303-N
Processing scope for products	09MAR2009 00:00:00 to 10MAR2009 00:00:00
Start time of first product within scope	08MAR2009 23:39:27
Stop time of last product within scope	10MAR2009 00:49:48
Total number of level 0 products	16
Number of level 0 products with errors	0

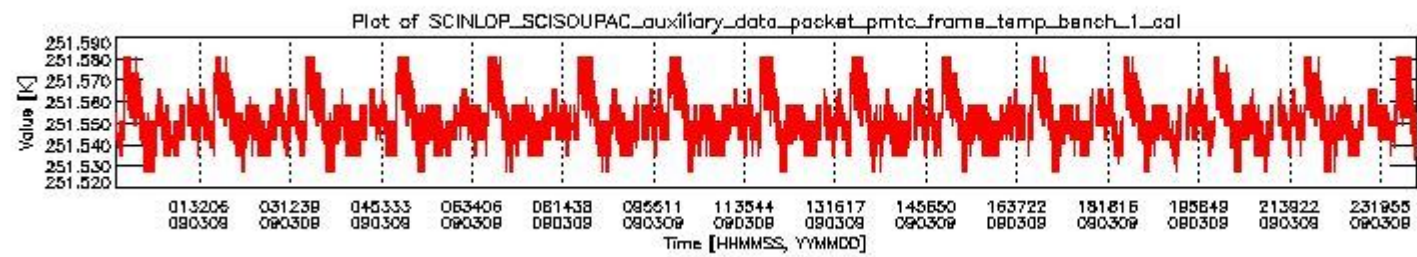
### 0.1.2 Summary per product

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

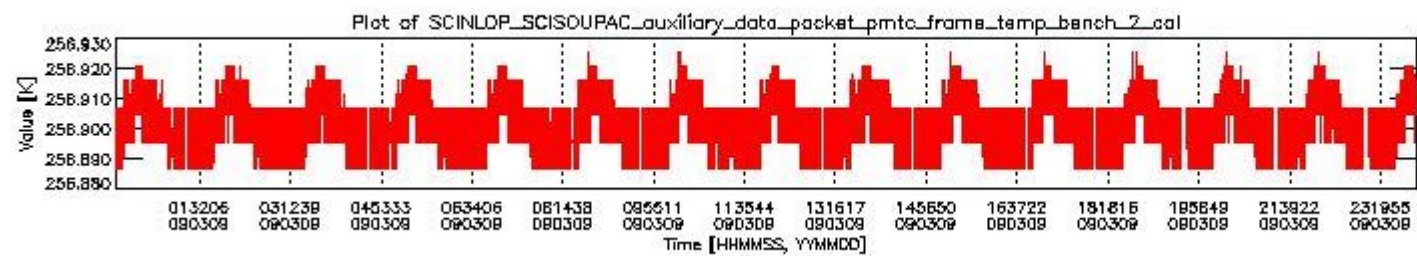
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090308_233927_000060792077_00087_36714_8633.N1	08MAR2009 23:39:27	09MAR2009 01:20:46	0	0	0	0	0
1	SCI_NL__OPNPDE20090309_012003_000046262077_00088_36715_8634.N1	09MAR2009 01:20:03	09MAR2009 02:37:09	0	0	0	0	0
2	SCI_NL__OPNPDE20090309_023613_000058422077_00089_36716_8635.N1	09MAR2009 02:36:13	09MAR2009 04:13:36	0	0	0	0	0
3	SCI_NL__OPNPDE20090309_041240_000060912077_00090_36717_8636.N1	09MAR2009 04:12:40	09MAR2009 05:54:11	0	0	0	0	0
4	SCI_NL__OPNPDK20090309_055411_000041132077_00091_36718_0909.N1	09MAR2009 05:54:11	09MAR2009 07:02:44	0	0	0	0	0
5	SCI_NL__OPNPDK20090309_070136_000061042077_00092_36719_0910.N1	09MAR2009 07:01:36	09MAR2009 08:43:20	0	0	0	0	0
6	SCI_NL__OPNPDK20090309_084320_000060352077_00093_36720_0911.N1	09MAR2009 08:43:20	09MAR2009 10:23:55	0	0	0	0	0
7	SCI_NL__OPNPDK20090309_102355_000059112077_00094_36721_0912.N1	09MAR2009 10:23:55	09MAR2009 12:02:26	0	0	0	0	0
8	SCI_NL__OPNPDK20090309_120022_000060912077_00095_36722_0913.N1	09MAR2009 12:00:22	09MAR2009 13:41:53	0	0	0	0	0
9	SCI_NL__OPNPDK20090309_134057_000059672077_00096_36723_0914.N1	09MAR2009 13:40:57	09MAR2009 15:20:24	0	0	0	0	0
10	SCI_NL__OPNPDK20090309_151820_000058682077_00097_36724_0915.N1	09MAR2009 15:18:20	09MAR2009 16:56:07	0	0	0	0	0
11	SCI_NL__OPNPDK20090309_165512_000059812077_00098_36725_0916.N1	09MAR2009 16:55:12	09MAR2009 18:34:52	0	0	0	0	0
12	SCI_NL__OPNPDK20090309_183329_000061592077_00099_36726_0917.N1	09MAR2009 18:33:29	09MAR2009 20:16:08	0	0	0	0	0
13	SCI_NL__OPNPDE20090309_201608_000042152077_00100_36727_8637.N1	09MAR2009 20:16:08	09MAR2009 21:26:23	0	0	0	0	0
14	SCI_NL__OPNPDE20090309_212623_000062032077_00100_36727_8638.N1	09MAR2009 21:26:23	09MAR2009 23:09:46	0	0	0	0	0
15	SCI_NL__OPNPDE20090309_230826_000060822077_00101_36728_8639.N1	09MAR2009 23:08:26	10MAR2009 00:49:48	0	0	0	0	0

## 0.2 Product Quality Indicators

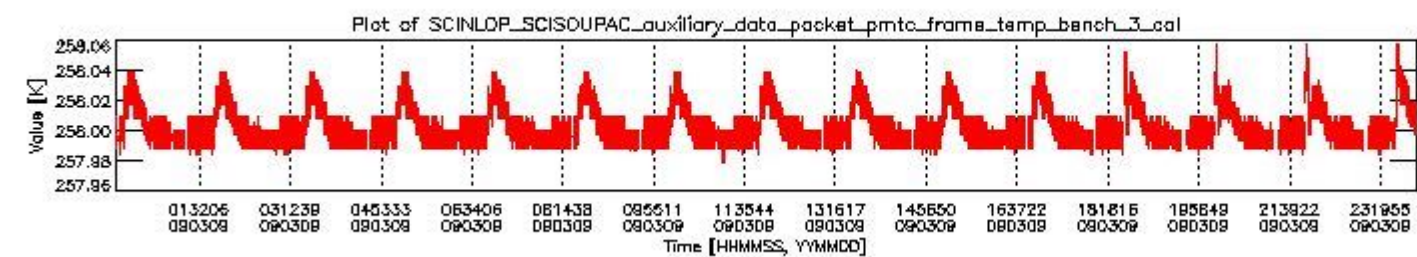
This section shows information about product quality, currently temperatures.



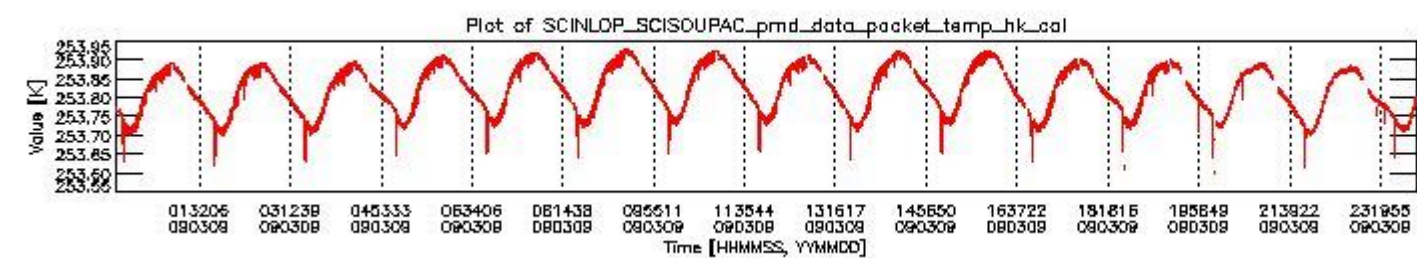
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090309\_0.PNG



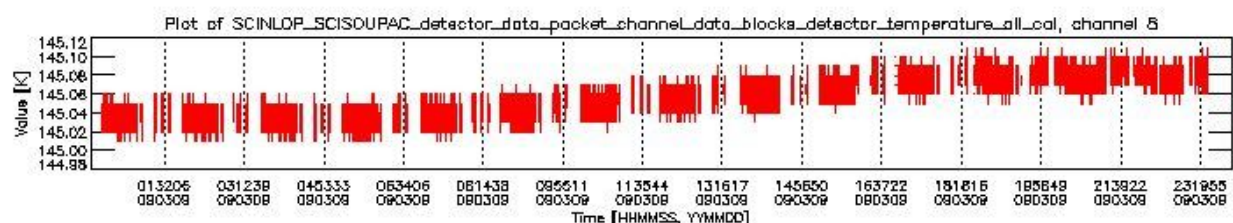
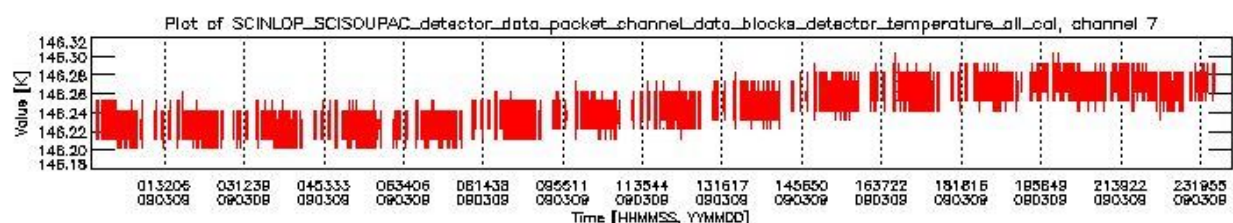
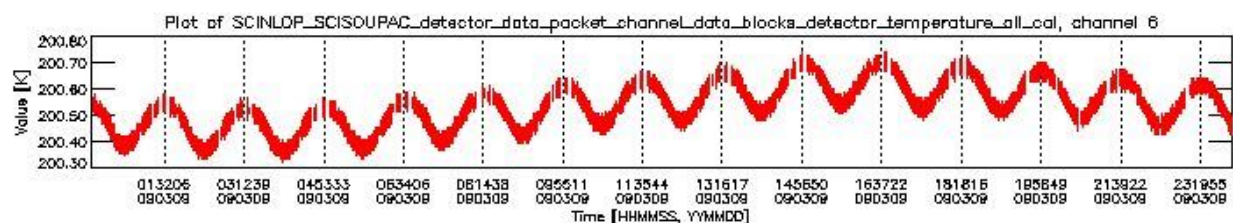
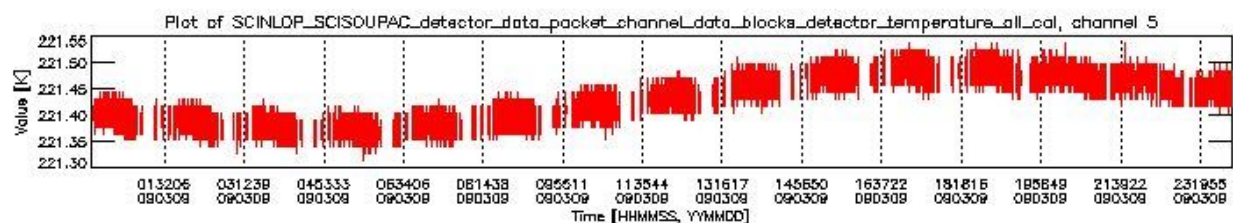
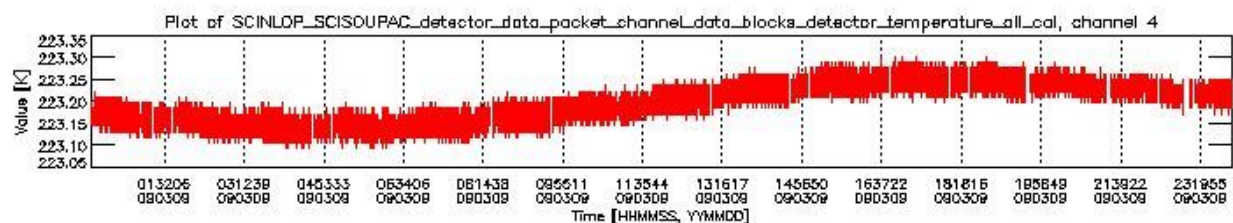
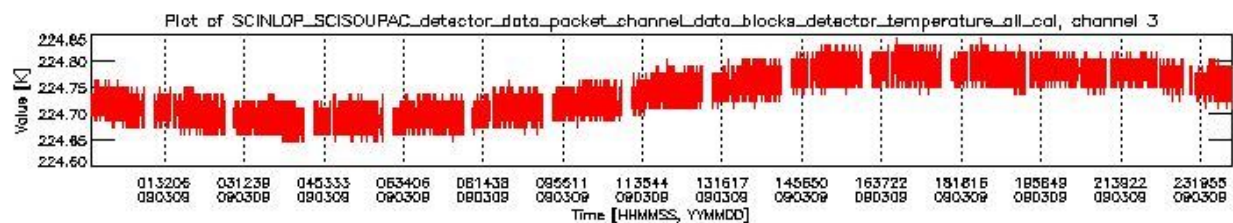
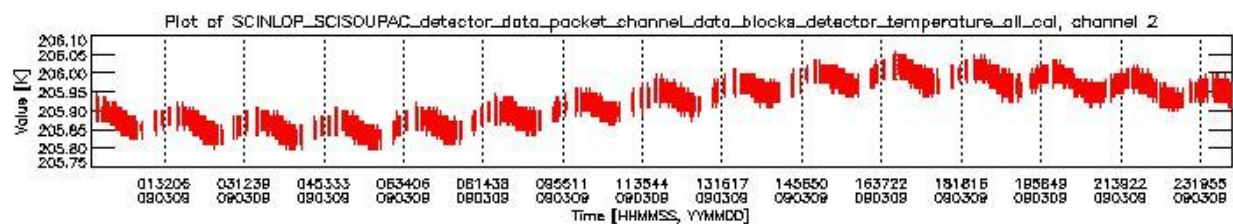
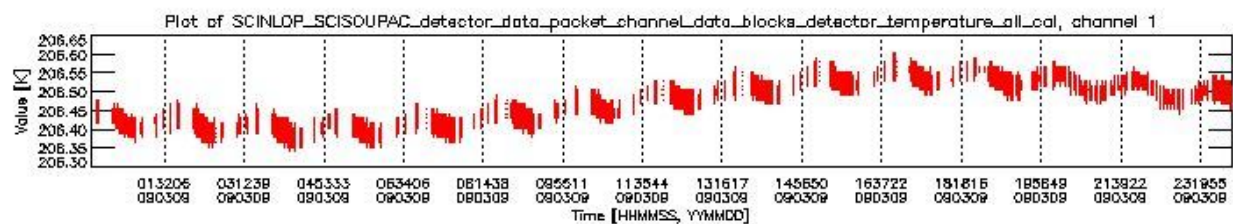
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090309\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090309\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090309\_3.PNG

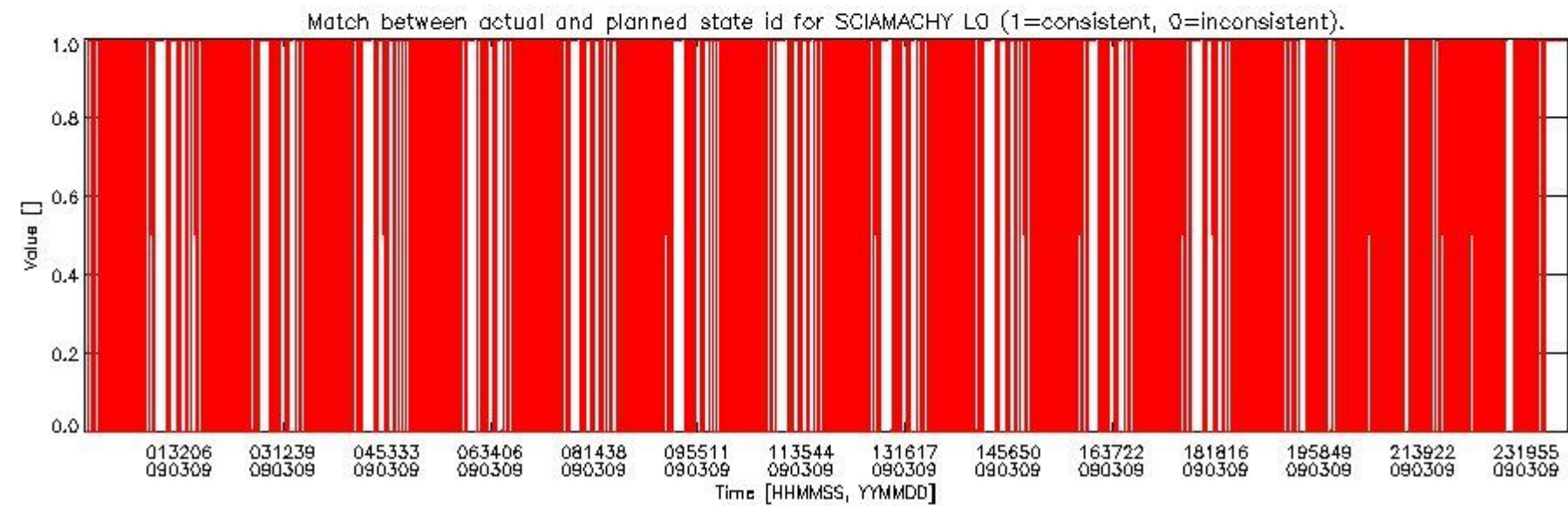
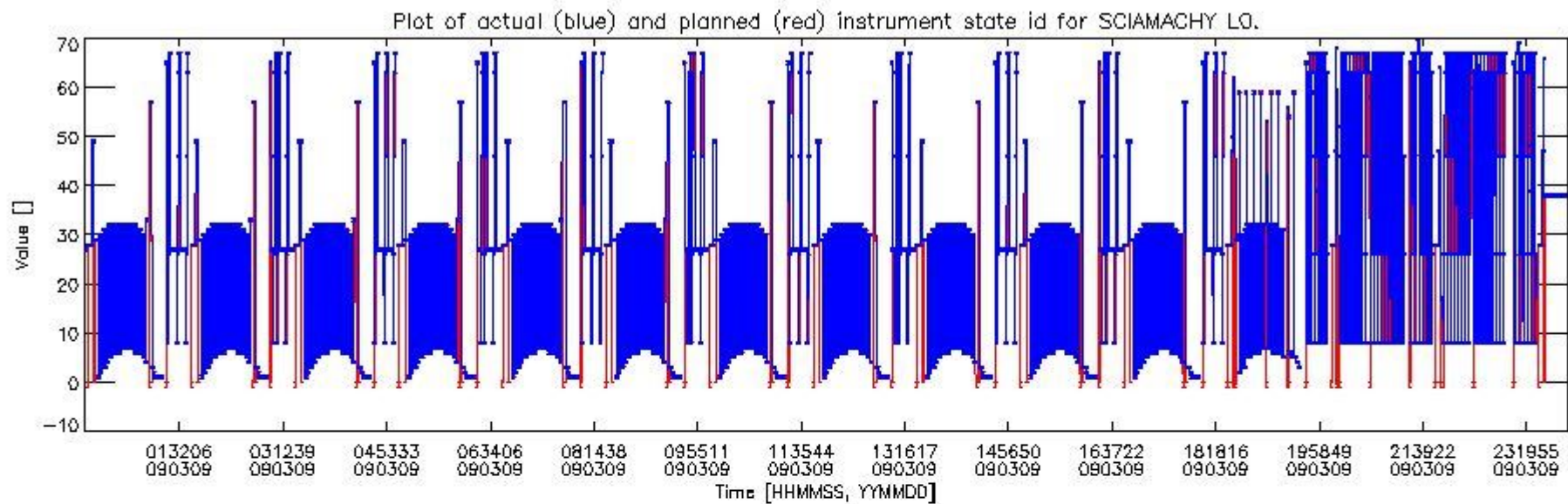


### 0.3 State monitoring

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: **44124**

#	Actual time	Actual value	Planned time	Planned value
0	09MAR2009 00:03:15.155570	28	09MAR2009 00:03:15.155570	0
1	09MAR2009 00:03:15.780592	28	09MAR2009 00:03:15.780592	0
2	09MAR2009 00:03:16.155605	28	09MAR2009 00:03:16.155605	0
3	09MAR2009 00:03:16.530578	28	09MAR2009 00:03:16.530578	0
4	09MAR2009 00:03:17.093077	28	09MAR2009 00:03:17.093077	0
5	09MAR2009 00:03:17.468090	28	09MAR2009 00:03:17.468090	0
6	09MAR2009 00:03:17.843103	28	09MAR2009 00:03:17.843103	0
7	09MAR2009 00:03:18.218076	28	09MAR2009 00:03:18.218076	0
8	09MAR2009 00:03:18.780575	28	09MAR2009 00:03:18.780575	0
9	09MAR2009 00:03:19.155588	28	09MAR2009 00:03:19.155588	0
10	09MAR2009 00:03:19.530602	28	09MAR2009 00:03:19.530602	0
11	09MAR2009 00:03:19.905574	28	09MAR2009 00:03:19.905574	0
12	09MAR2009 00:03:20.155583	28	09MAR2009 00:03:20.155583	0
13	09MAR2009 00:03:20.468074	28	09MAR2009 00:03:20.468074	0
14	09MAR2009 00:03:20.843087	28	09MAR2009 00:03:20.843087	0
15	09MAR2009 00:03:21.218100	28	09MAR2009 00:03:21.218100	0
16	09MAR2009 00:03:21.593073	28	09MAR2009 00:03:21.593073	0
17	09MAR2009 00:03:22.155572	28	09MAR2009 00:03:22.155572	0
18	09MAR2009 00:03:22.530585	28	09MAR2009 00:03:22.530585	0
19	09MAR2009 00:03:22.905598	28	09MAR2009 00:03:22.905598	0
...	...	...	...	...

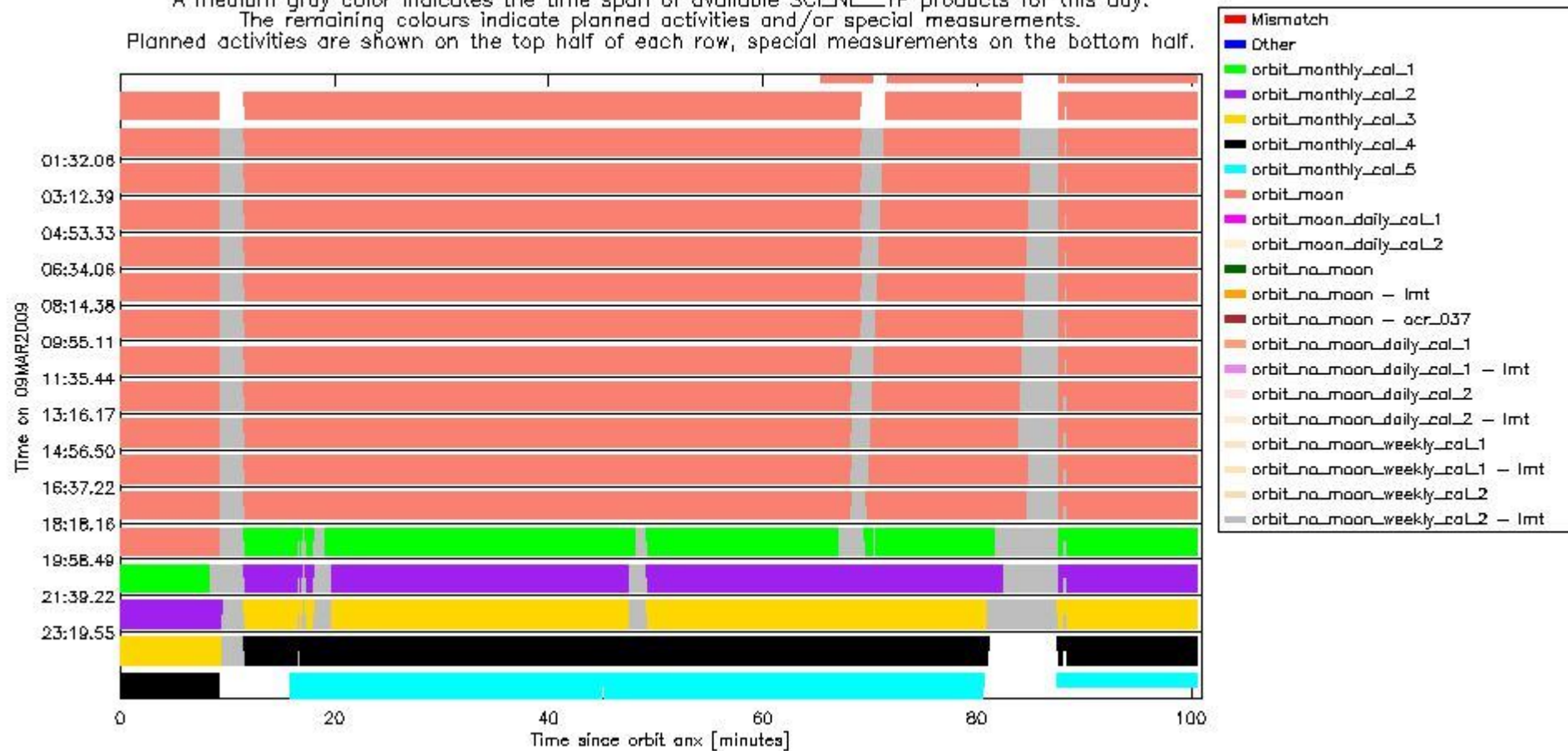


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090309\_5.PNG

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 09MAR2009.  
 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\_20090309\_6.PNG

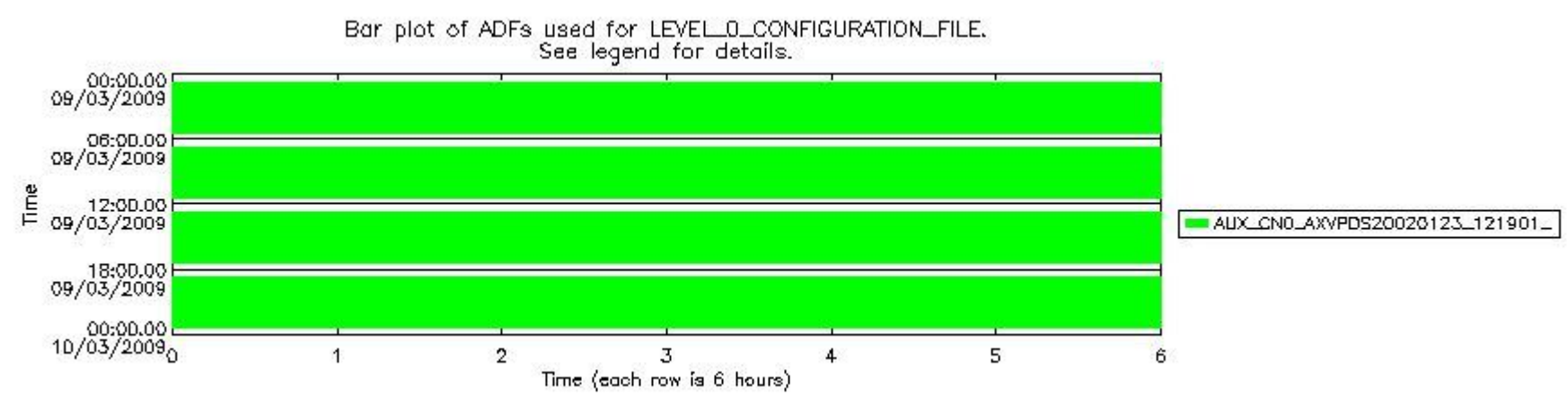
## 0.4 ADF monitoring

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

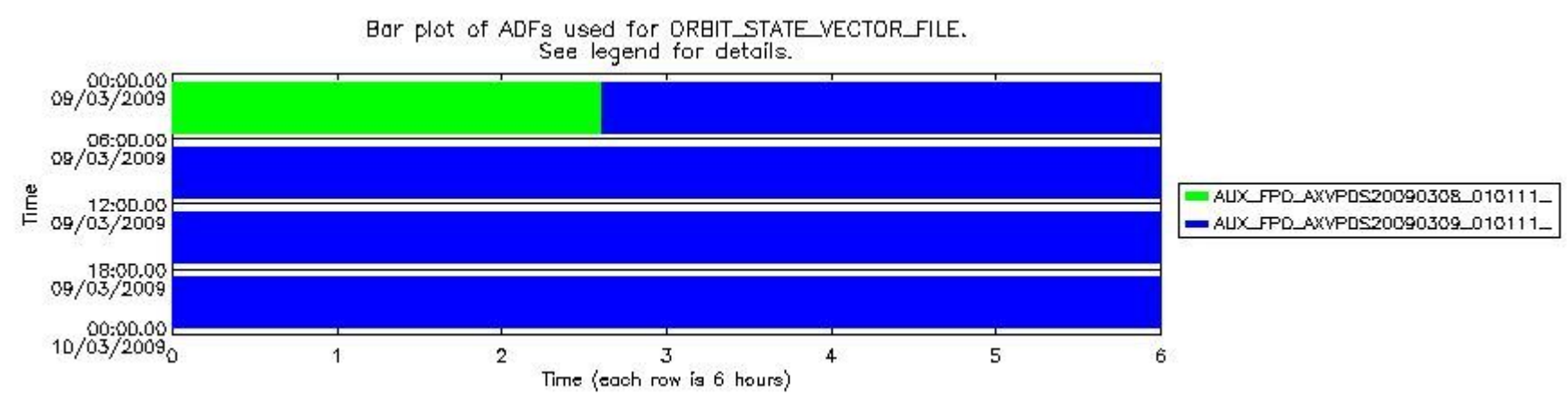
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

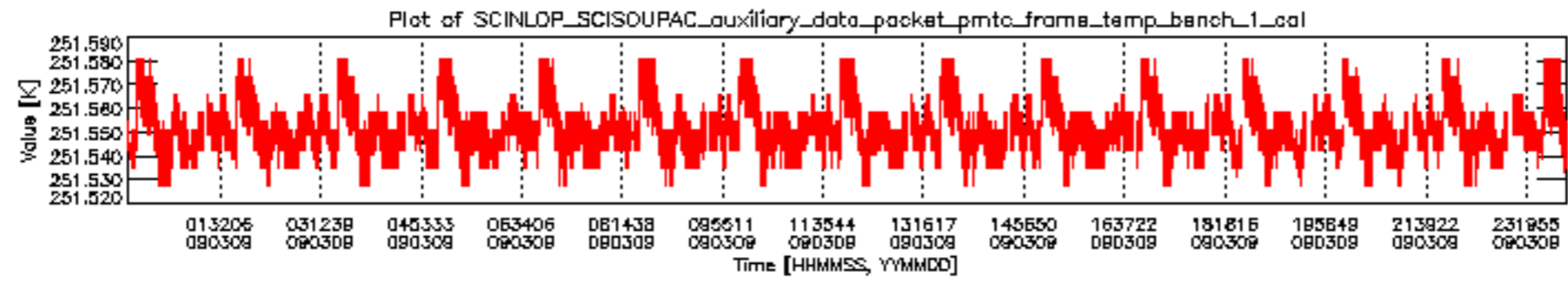
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20090308_010111_20090307_192123_20090317_204736
2	AUX_FPO_AXVPDS20090309_010111_20090308_184946_20090318_201559



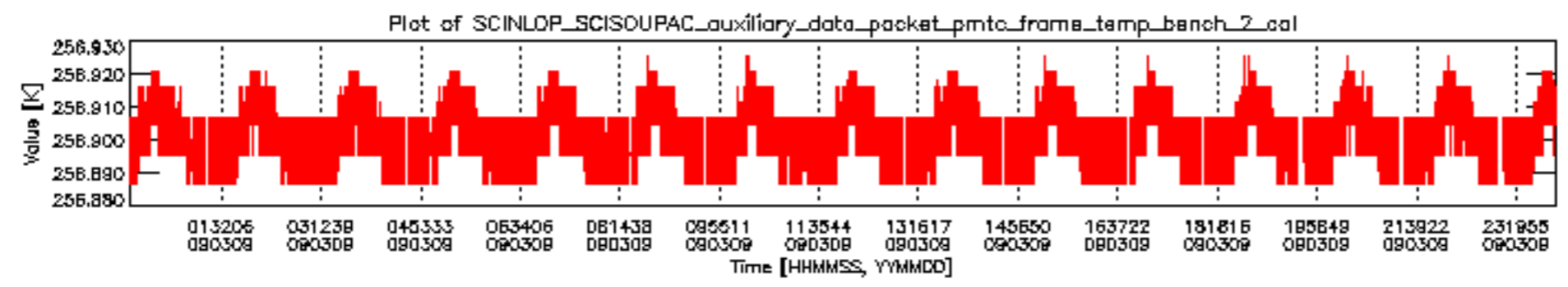
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090309\_7.PNG

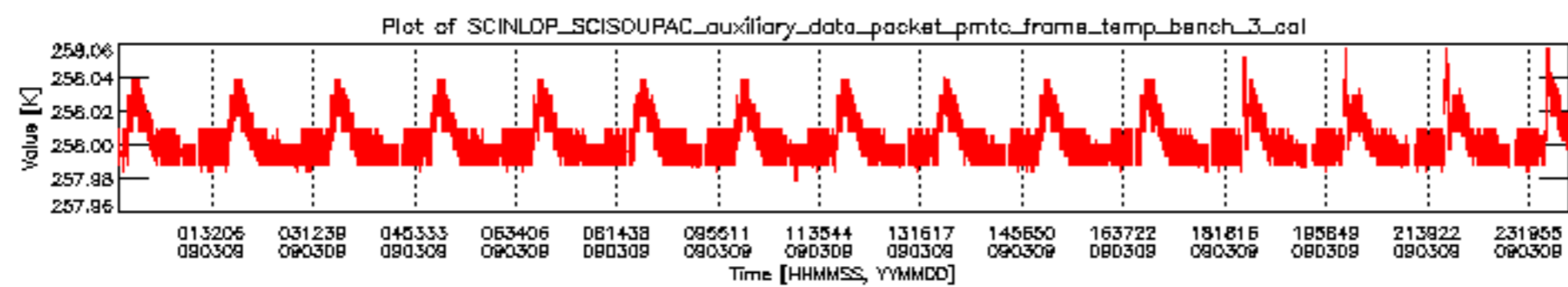


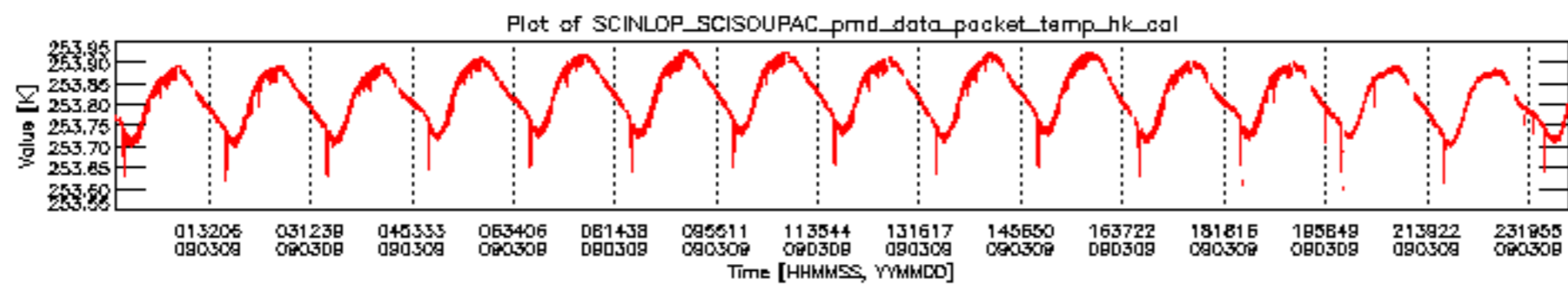
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090309\_8.PNG

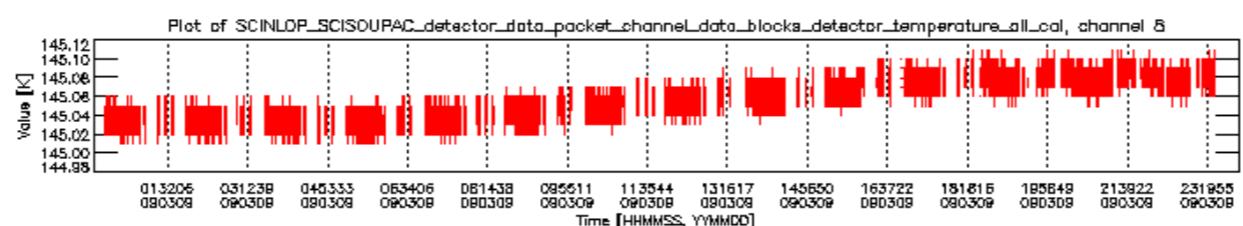
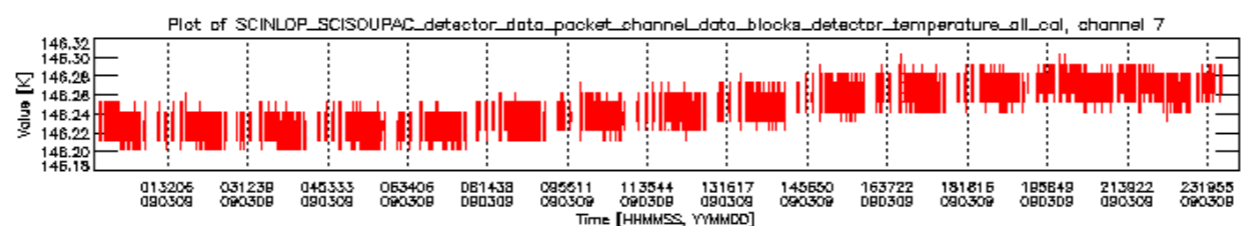
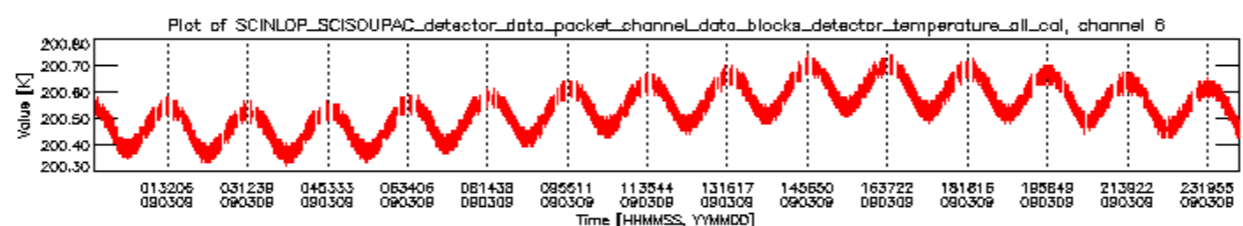
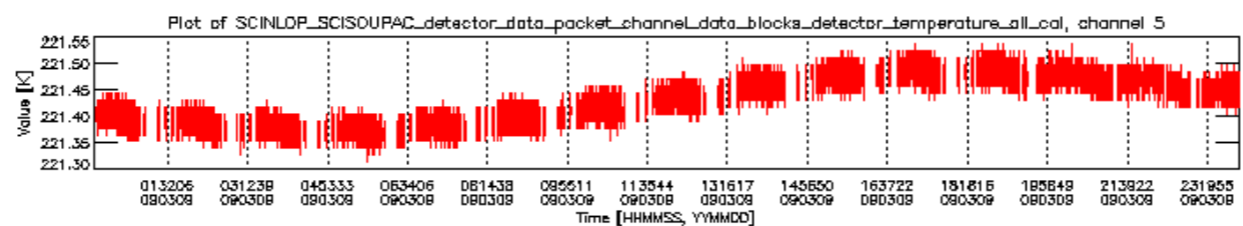
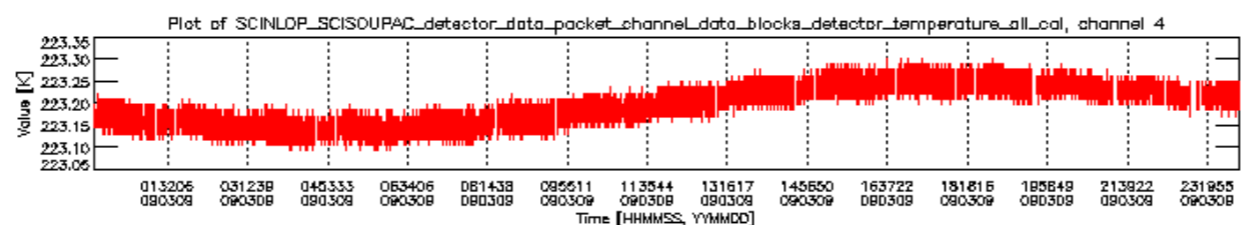
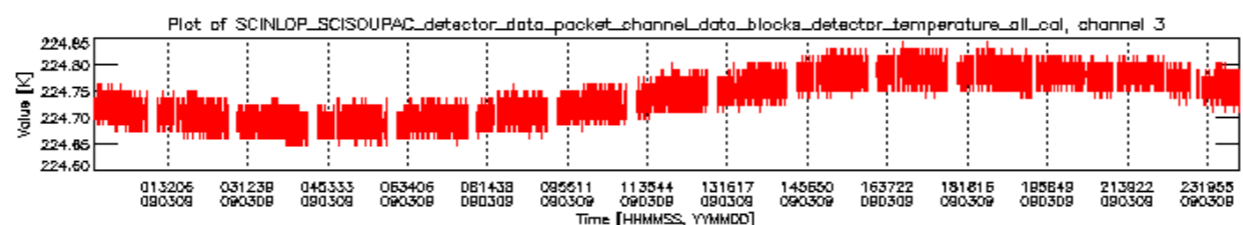
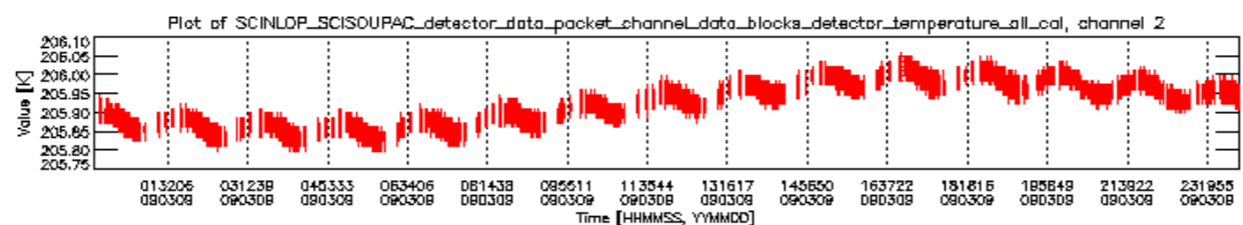
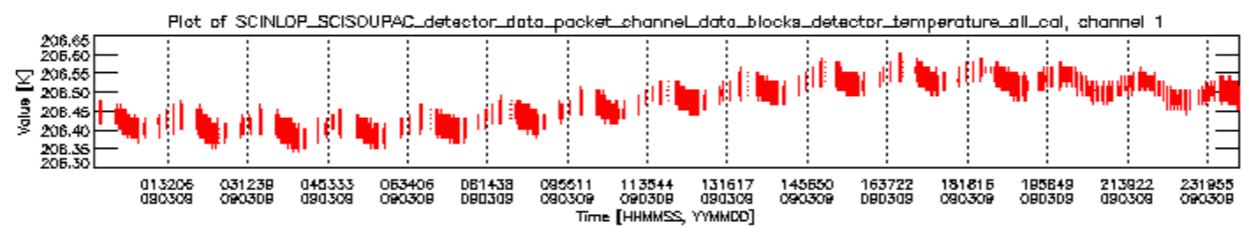


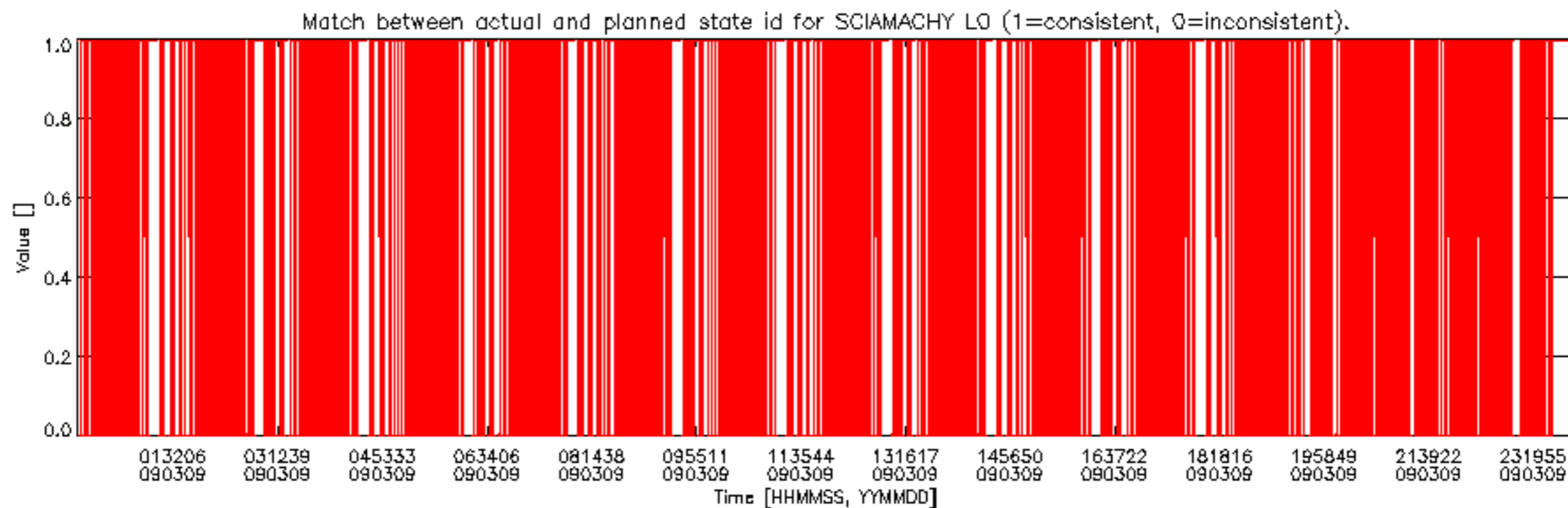
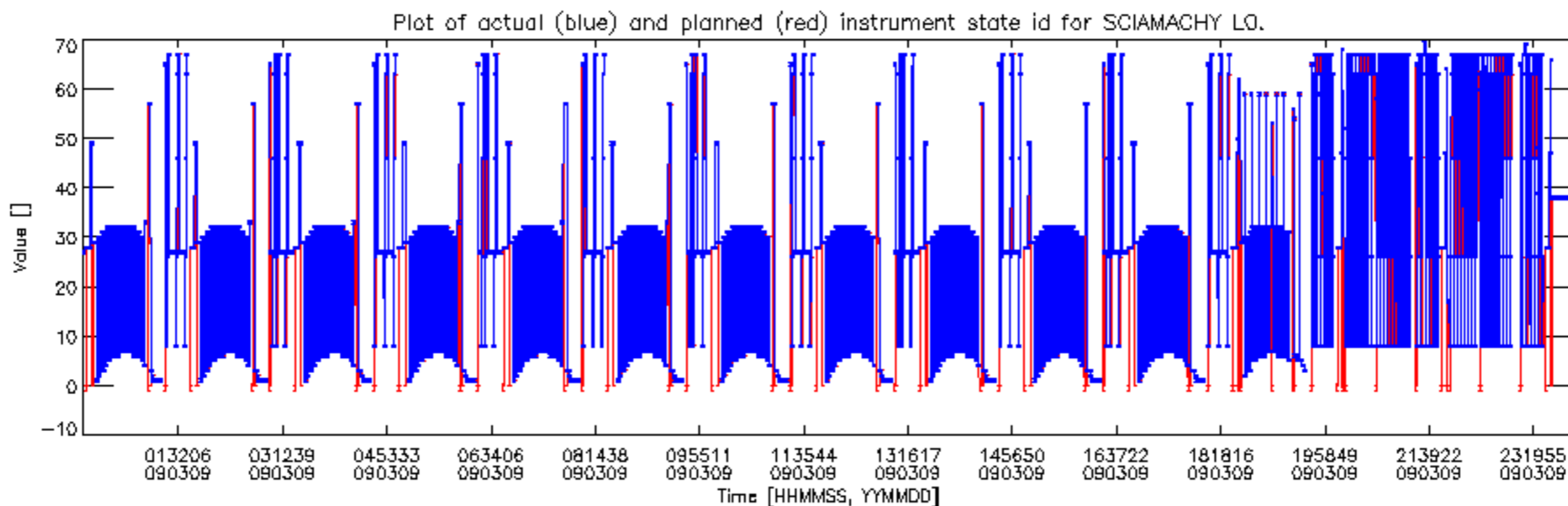




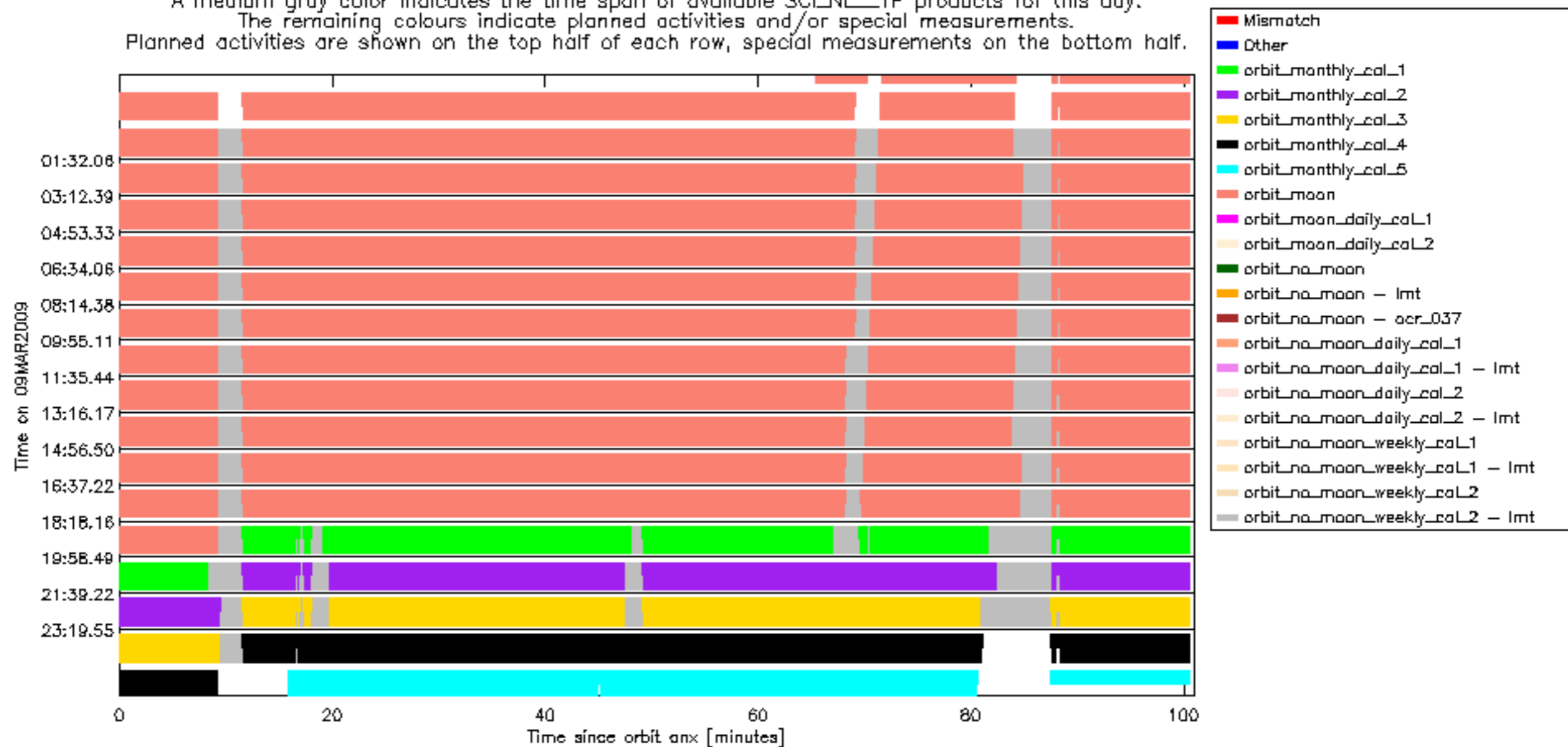


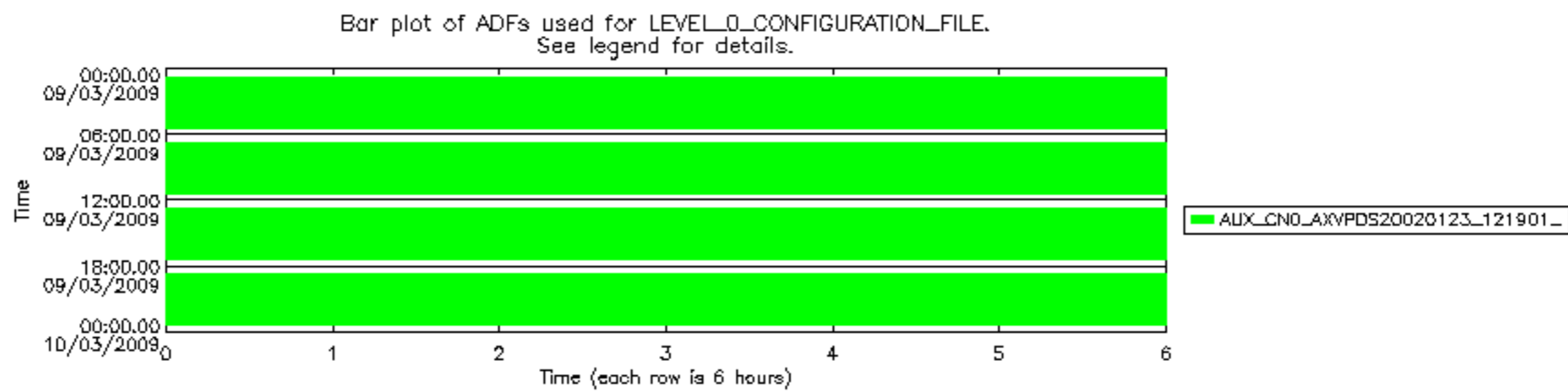






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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 The remaining colours indicate planned activities and/or special measurements.  
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Bar plot of ADFs used for ORBIT\_STATE\_VECTOR\_FILE.  
See legend for details.

