

# 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	15SEP2008 04:39:14
Data source version	KSPT_L0/4303-N
Processing scope for products	11SEP2008 00:00:00 to 12SEP2008 00:00:00
Start time of first product within scope	10SEP2008 22:24:21
Stop time of last product within scope	11SEP2008 07:27:36
Total number of level 0 products	6
Number of level 0 products with errors	0

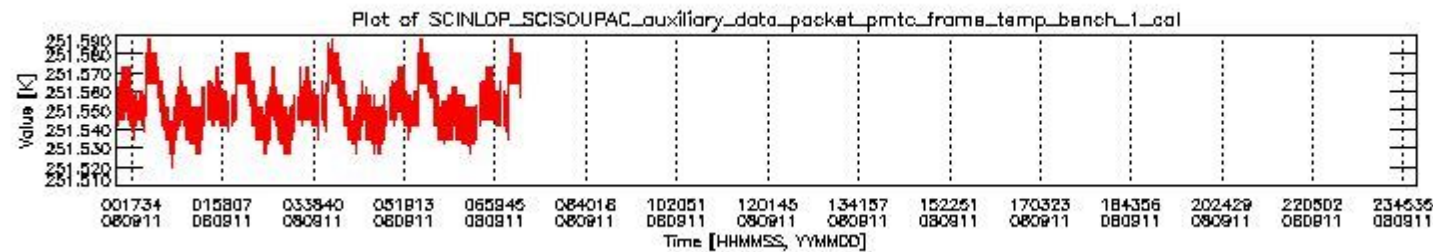
### 0.1.2 Summary per product

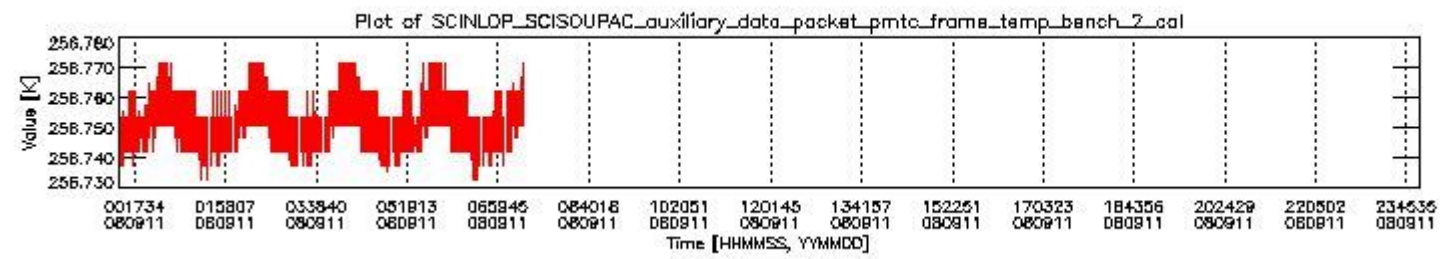
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDE20080910_222421_000059852072_00029_34151_7483.N1	10SEP2008 22:24:21	11SEP2008 00:04:06	0	0	0	0	0
1	SCI_NL__0PNPDE20080911_000406_000060002072_00030_34152_7484.N1	11SEP2008 00:04:06	11SEP2008 01:44:07	0	0	0	0	0
2	SCI_NL__0PNPDE20080911_014239_000045112072_00031_34153_7485.N1	11SEP2008 01:42:39	11SEP2008 02:57:49	0	0	0	0	0
3	SCI_NL__0PNPDE20080911_025641_000061052072_00032_34154_7486.N1	11SEP2008 02:56:41	11SEP2008 04:38:26	0	0	0	0	0
4	SCI_NL__0PNPDE20080911_043826_000060922072_00033_34155_7487.N1	11SEP2008 04:38:26	11SEP2008 06:19:58	0	0	0	0	0
5	SCI_NL__0PNPDK20080911_061958_000040582072_00034_34156_9310.N1	11SEP2008 06:19:58	11SEP2008 07:27:36	0	0	0	0	0

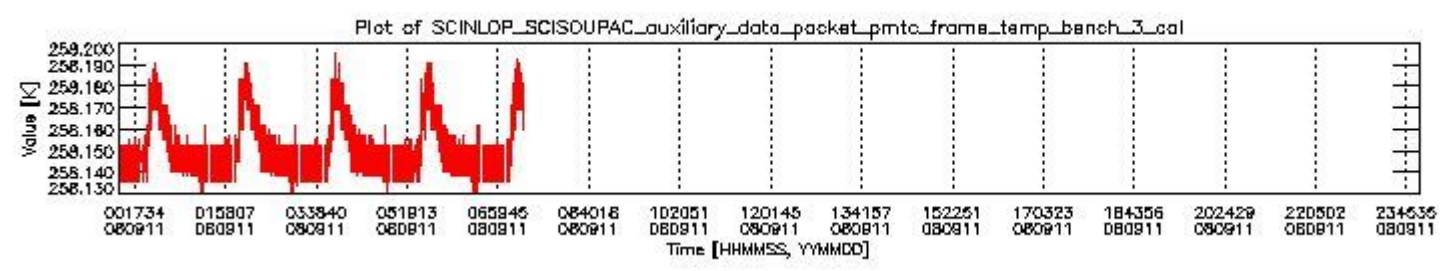
## 0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

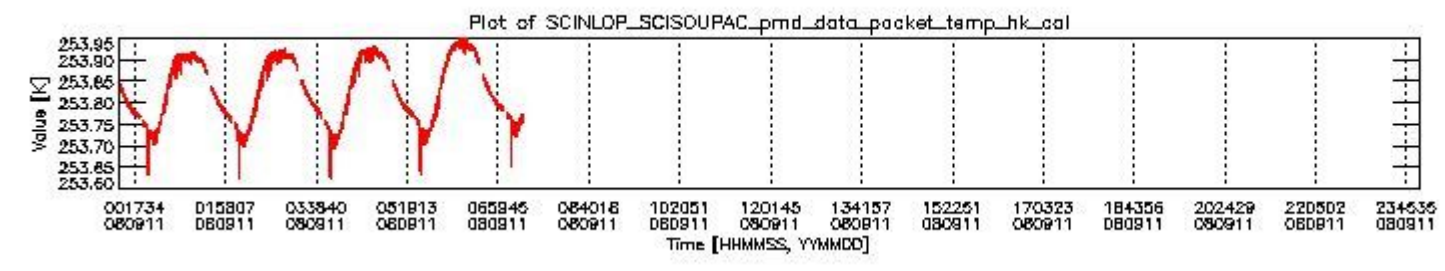




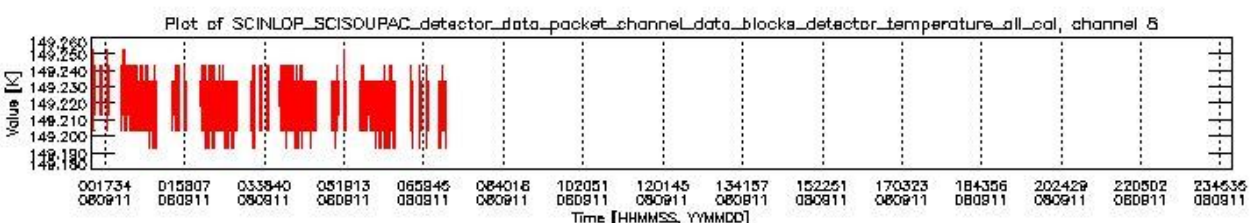
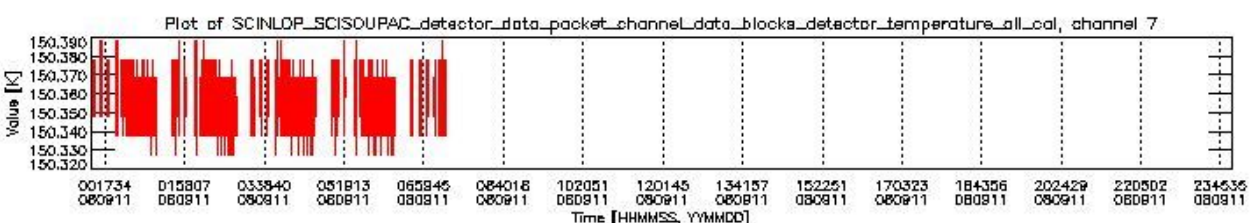
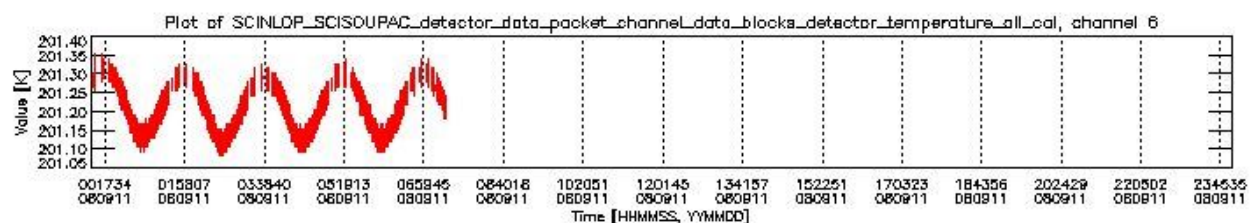
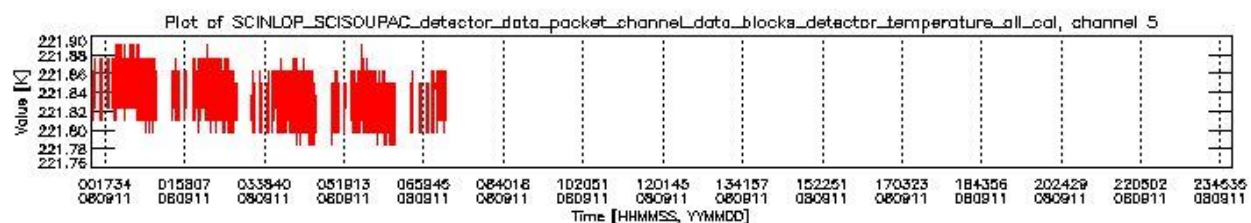
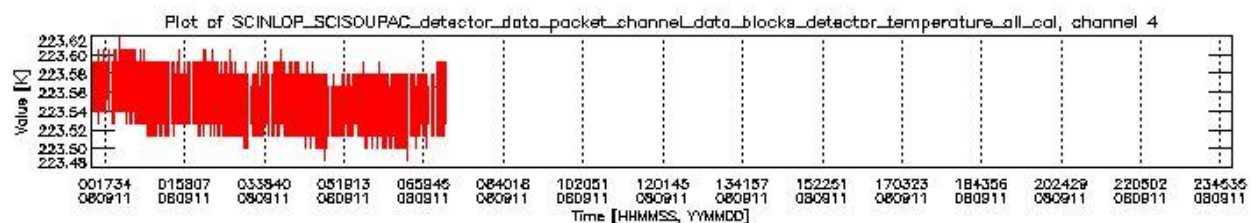
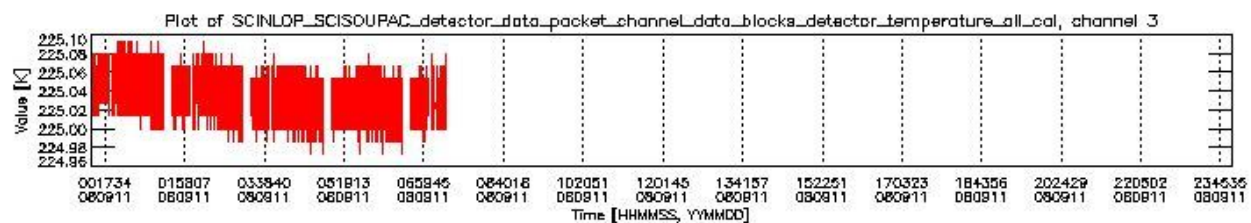
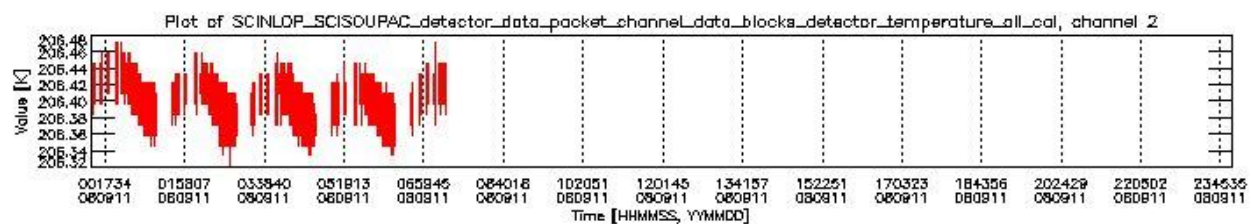
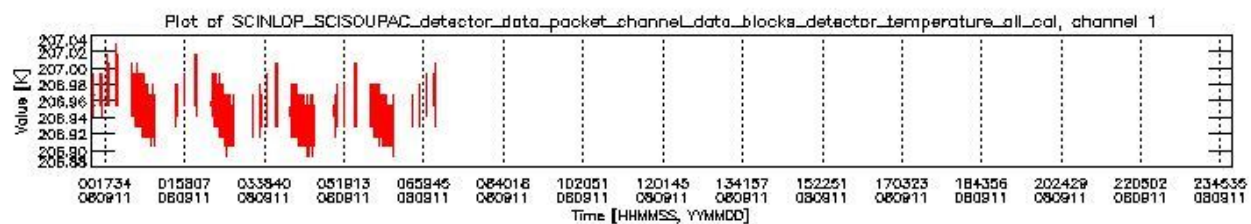
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080911\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080911\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080911\_3.PNG



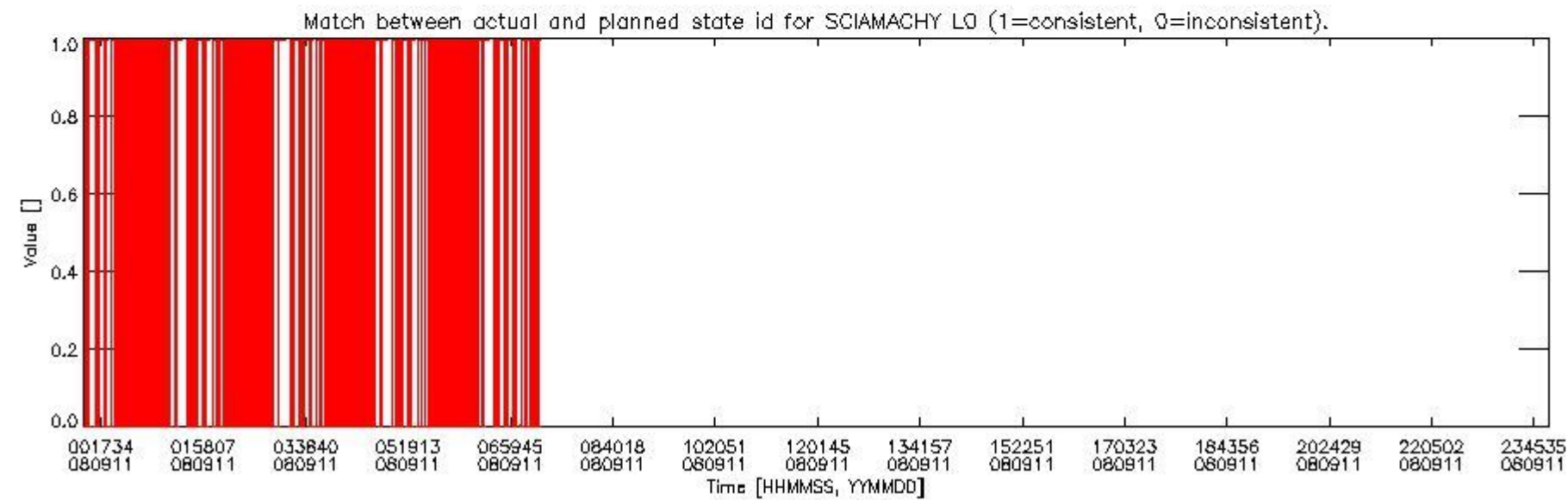
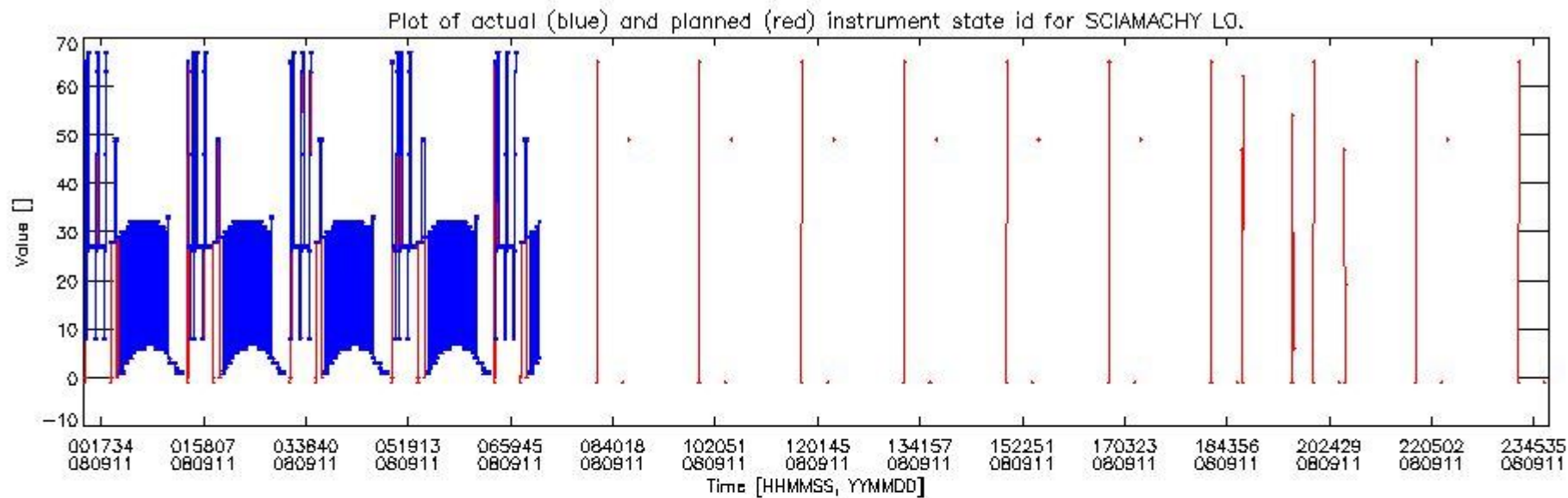
### 0.3 State monitoring

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: **18001**

#	Actual time	Actual value	Planned time	Planned value
0	11SEP2008 00:01:18.872596	65	11SEP2008 00:01:18.872596	0
1	11SEP2008 00:01:19.497577	65	11SEP2008 00:01:19.497577	0
2	11SEP2008 00:01:19.997595	65	11SEP2008 00:01:19.997595	0
3	11SEP2008 00:01:20.497612	65	11SEP2008 00:01:20.497612	0
4	11SEP2008 00:01:20.997589	65	11SEP2008 00:01:20.997589	0
5	11SEP2008 00:01:21.497607	65	11SEP2008 00:01:21.497607	0
6	11SEP2008 00:01:21.997584	65	11SEP2008 00:01:21.997584	0
7	11SEP2008 00:01:22.497601	65	11SEP2008 00:01:22.497601	0
8	11SEP2008 00:01:22.997578	65	11SEP2008 00:01:22.997578	0
9	11SEP2008 00:01:23.497596	65	11SEP2008 00:01:23.497596	0
10	11SEP2008 00:01:23.872609	65	11SEP2008 00:01:23.872609	0
11	11SEP2008 00:01:23.997613	65	11SEP2008 00:01:23.997613	0
12	11SEP2008 00:01:24.497590	65	11SEP2008 00:01:24.497590	0
13	11SEP2008 00:01:24.997608	65	11SEP2008 00:01:24.997608	0
14	11SEP2008 00:01:25.497585	65	11SEP2008 00:01:25.497585	0
15	11SEP2008 00:01:25.997602	65	11SEP2008 00:01:25.997602	0
16	11SEP2008 00:01:26.497580	65	11SEP2008 00:01:26.497580	0
17	11SEP2008 00:01:26.997597	65	11SEP2008 00:01:26.997597	0
18	11SEP2008 00:01:27.497614	65	11SEP2008 00:01:27.497614	0
19	11SEP2008 00:01:27.997591	65	11SEP2008 00:01:27.997591	0
	...	...	...	...



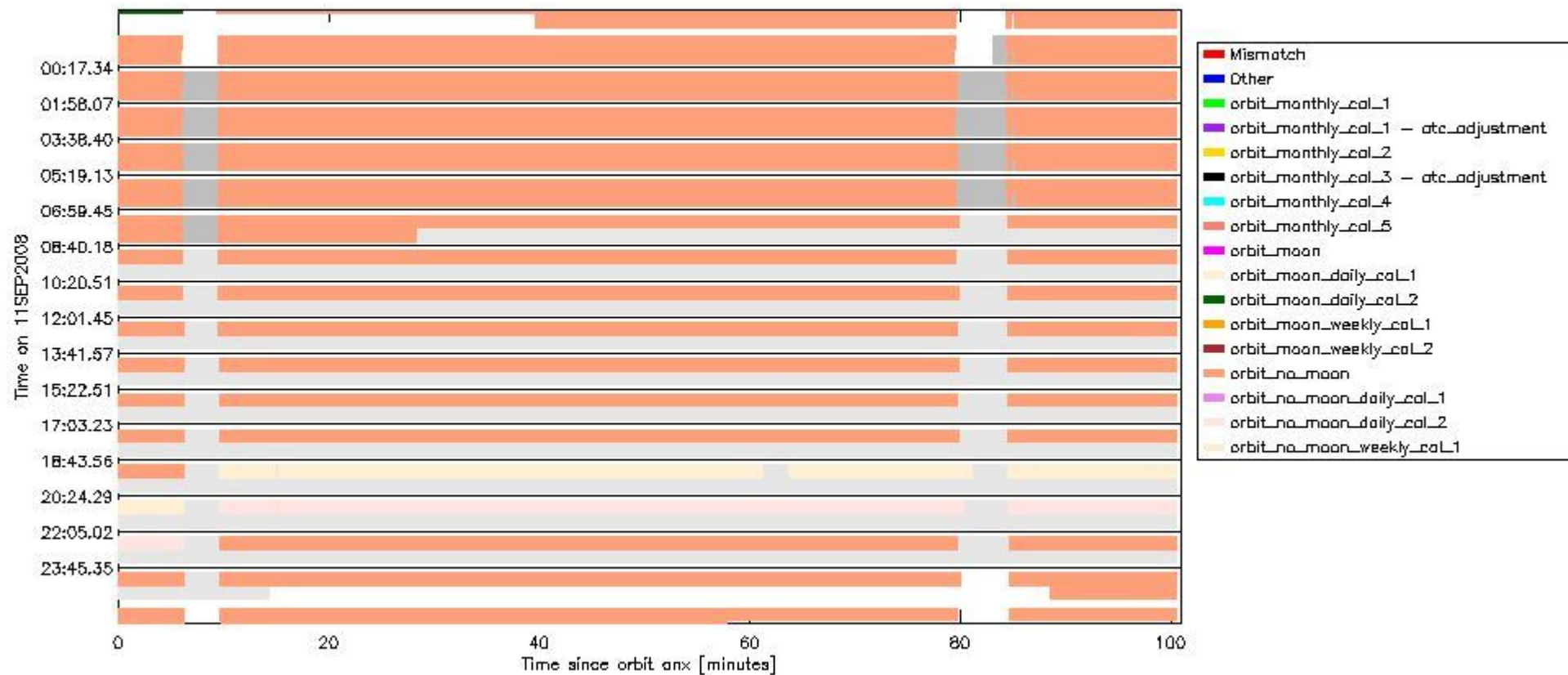


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080911\_5.PNG

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 11SEP2008.  
 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\_20080911\_6.PNG

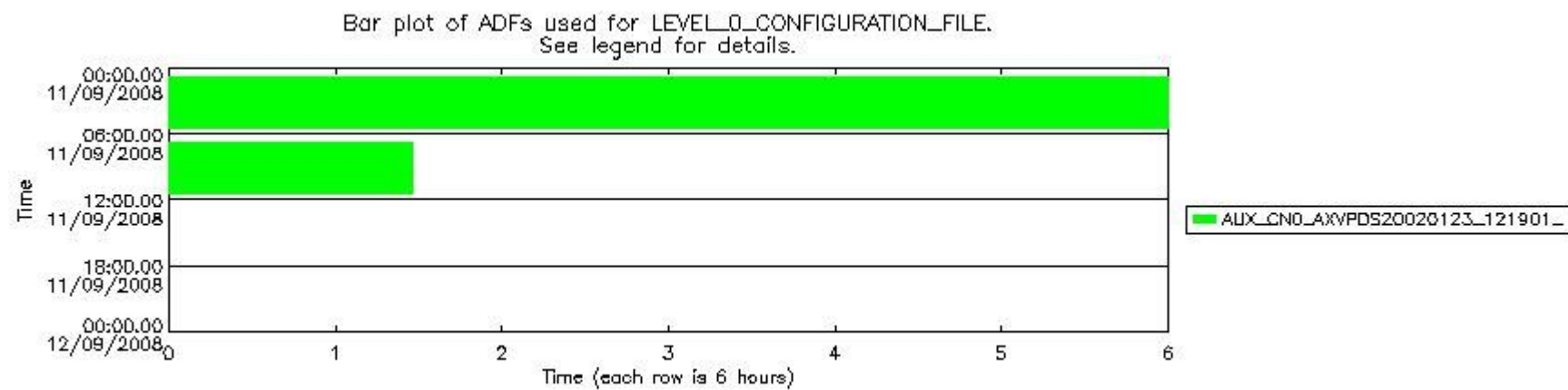
## 0.4 ADF monitoring

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

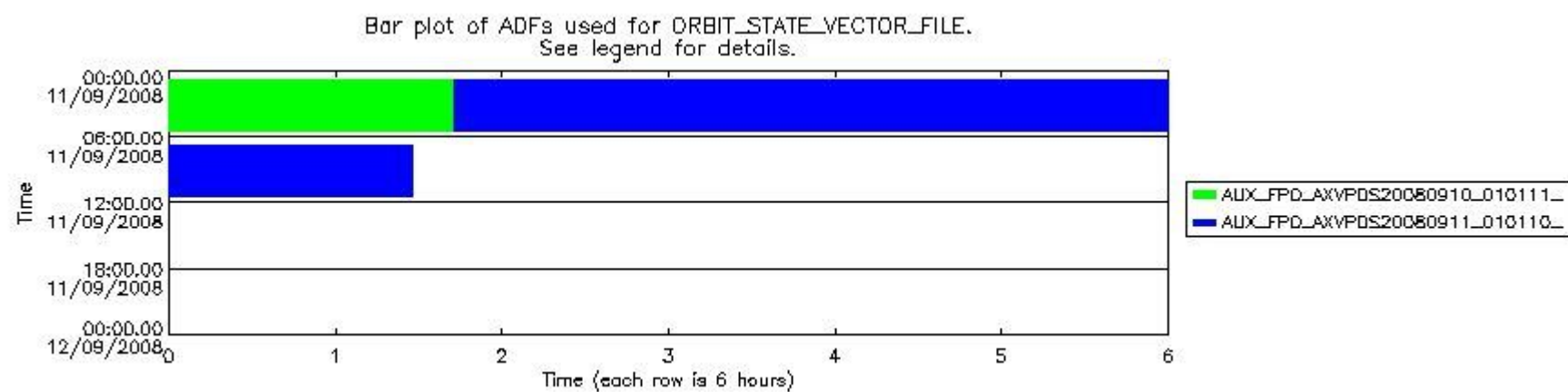
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

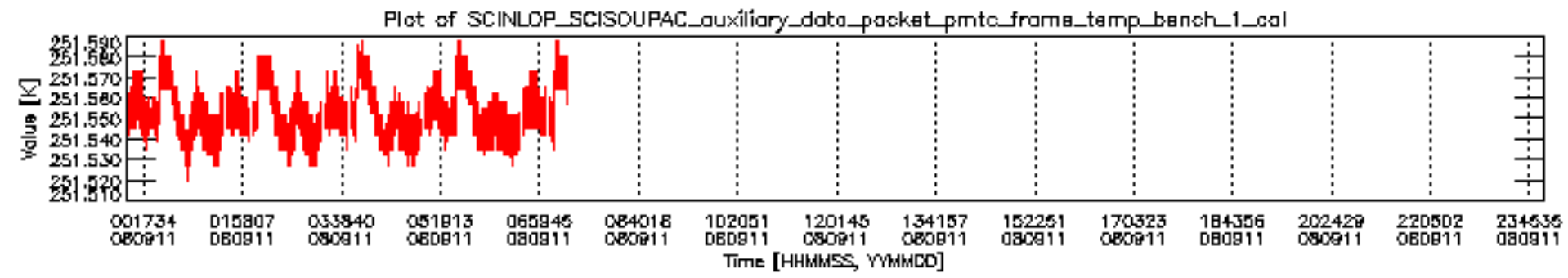
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20080910_010111_20080909_130451_20080919_143106
2	AUX_FPO_AXVPDS20080911_010110_20080910_191537_20080920_204153



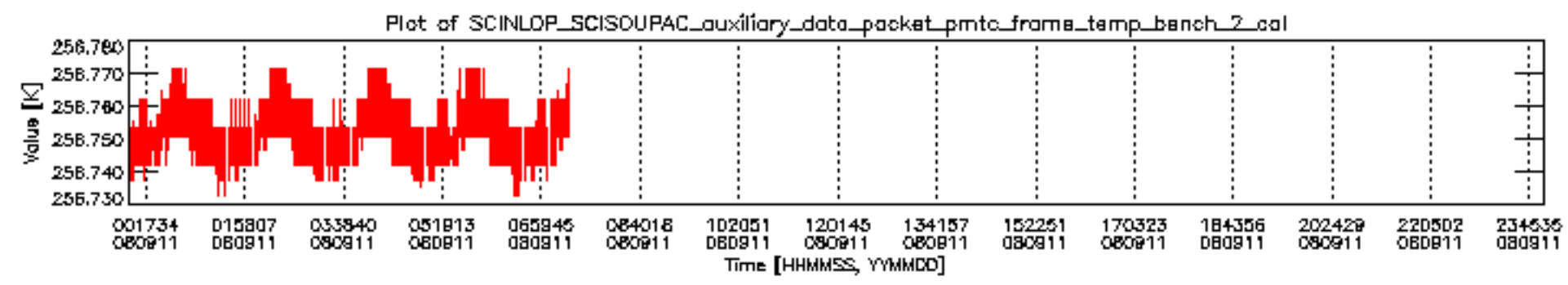
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080911\_7.PNG

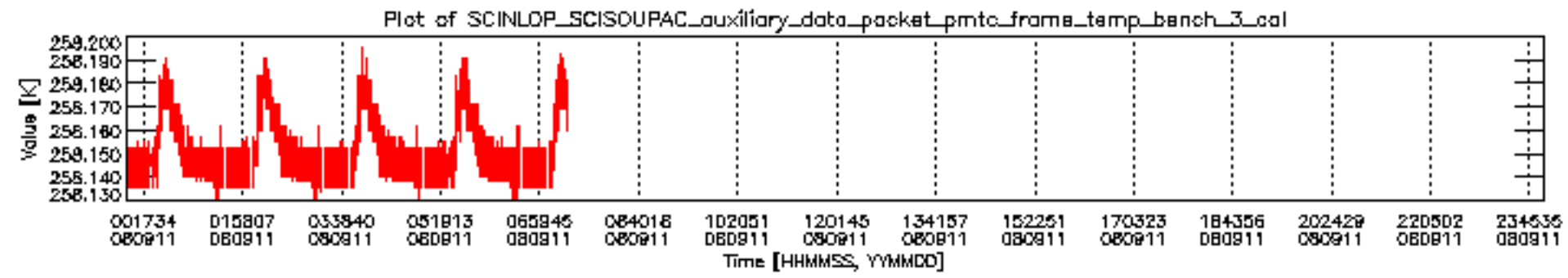


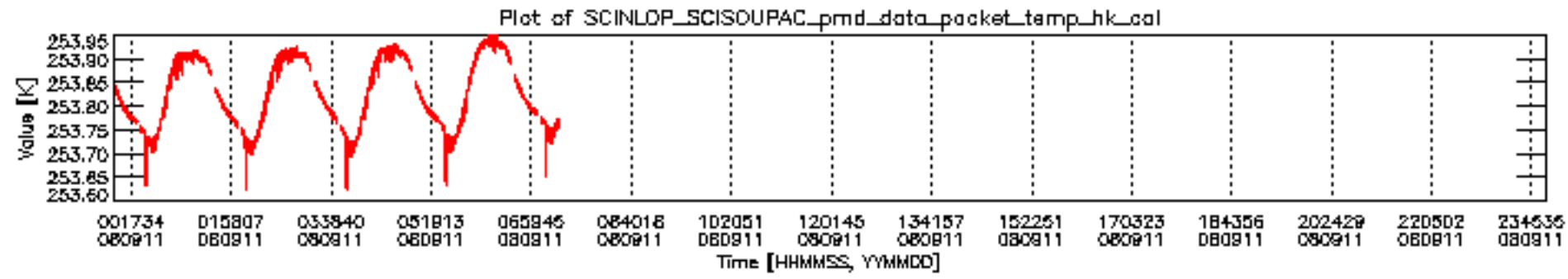
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080911\_8.PNG

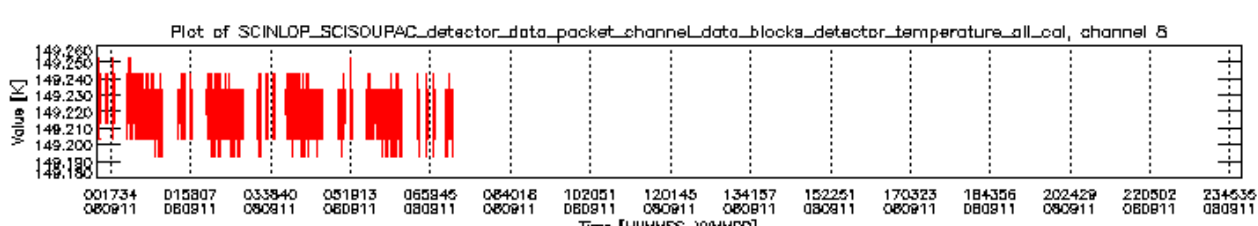
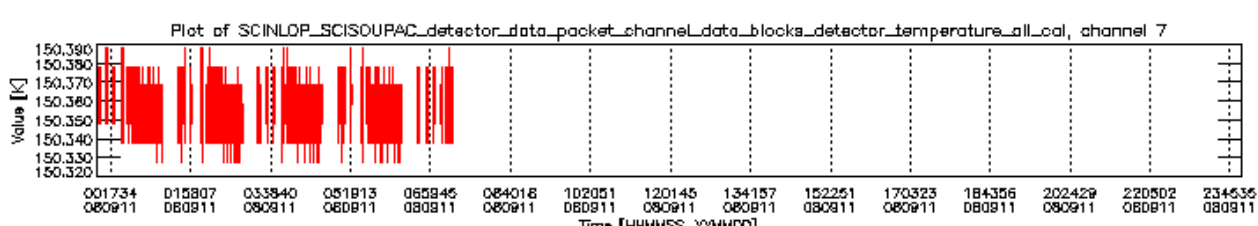
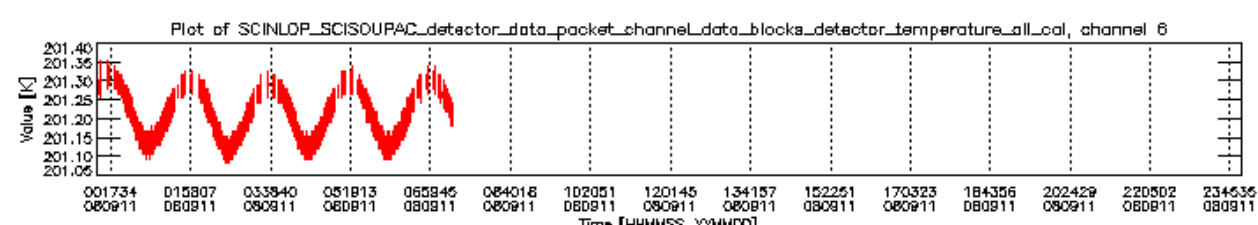
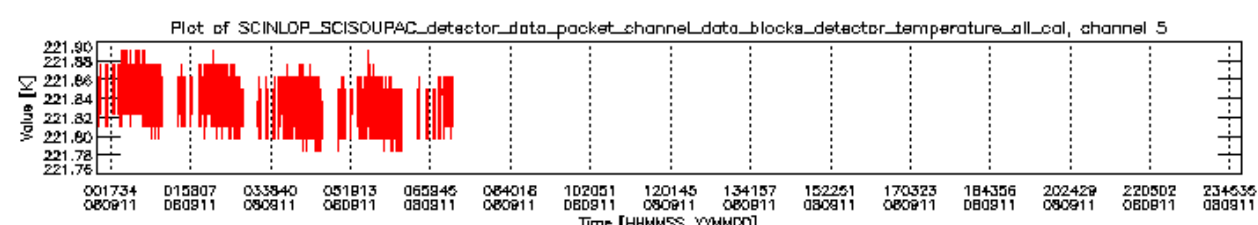
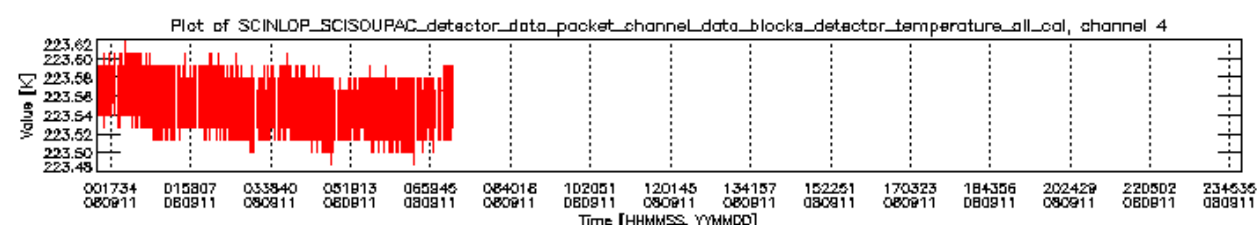
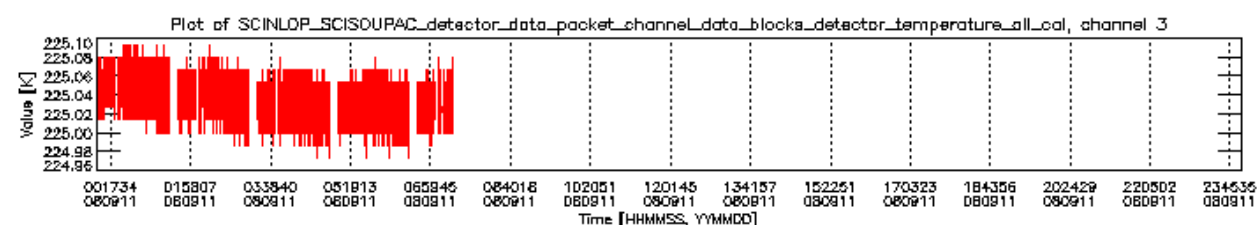
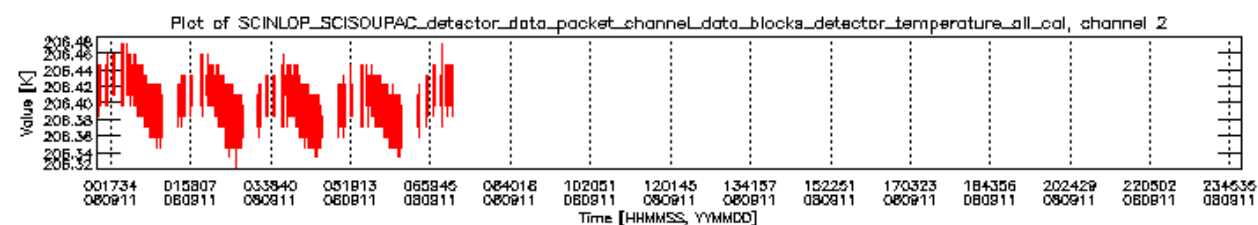
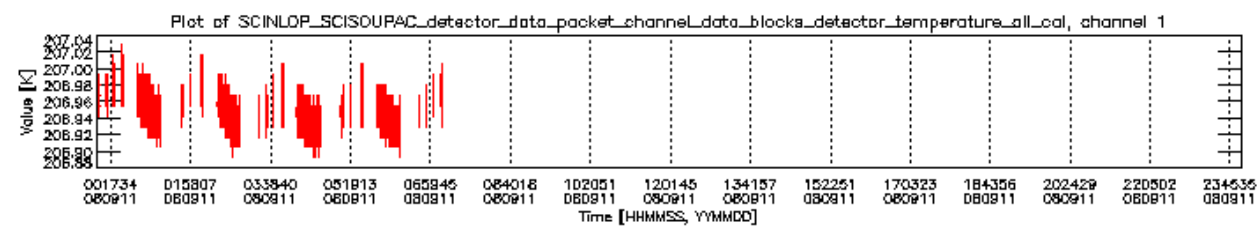


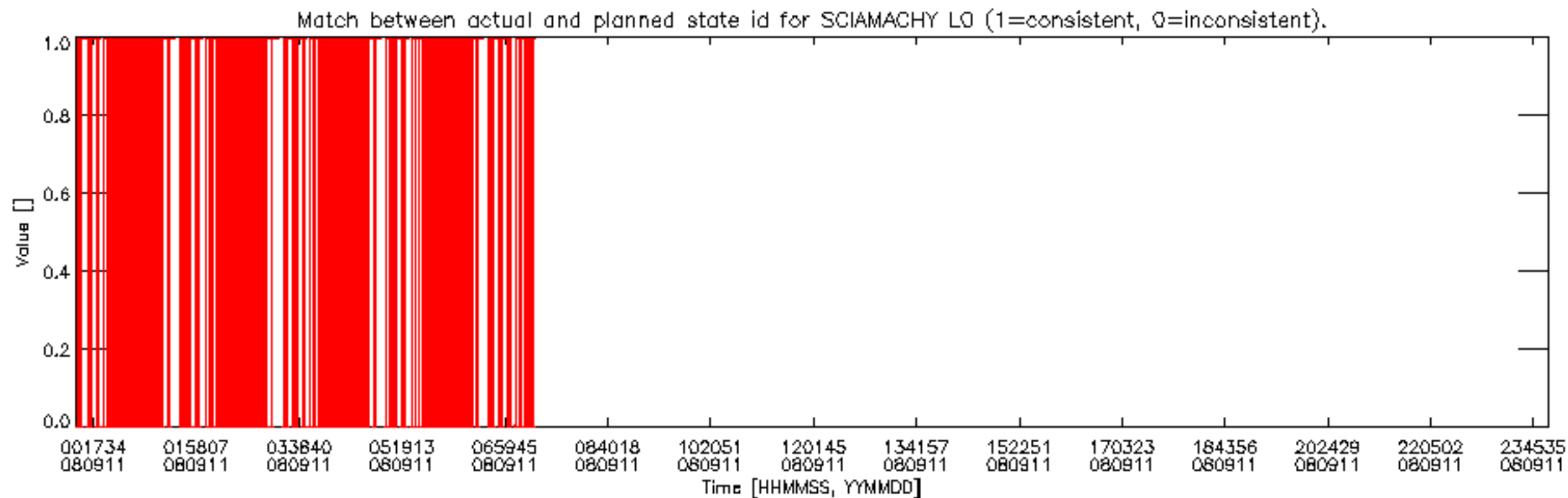
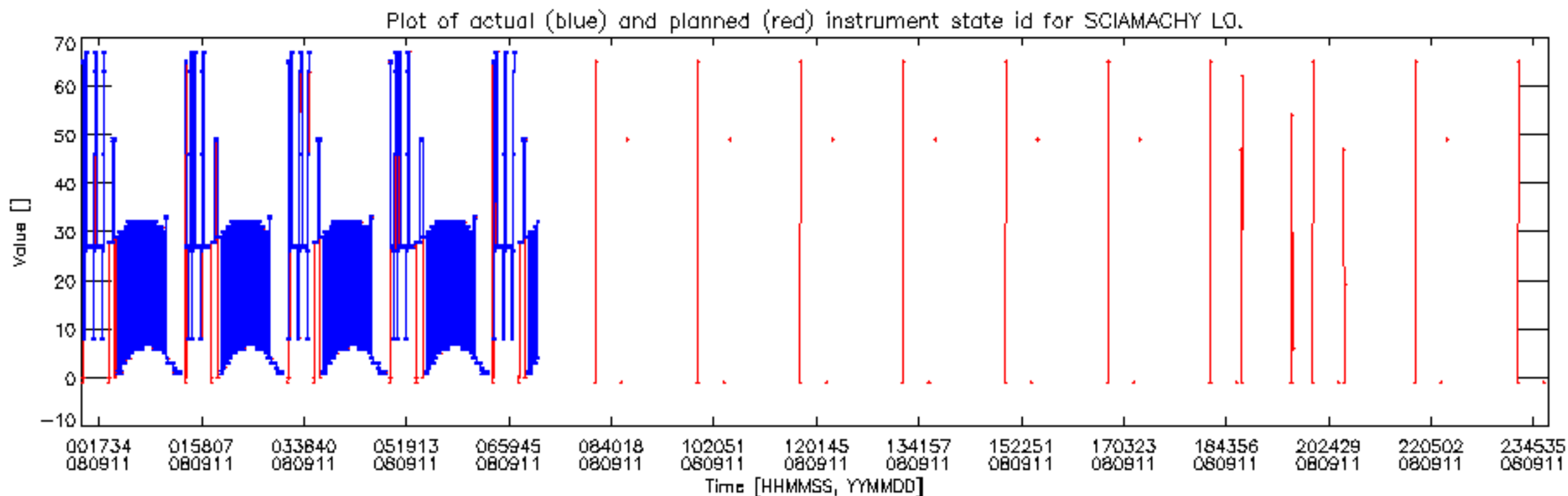














Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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