

# 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	13SEP2008 04:08:22
Data source version	KSPT_L0/4303-N
Processing scope for products	09SEP2008 00:00:00 to 10SEP2008 00:00:00
Start time of first product within scope	09SEP2008 11:39:35
Stop time of last product within scope	10SEP2008 00:37:00
Total number of level 0 products	9
Number of level 0 products with errors	2

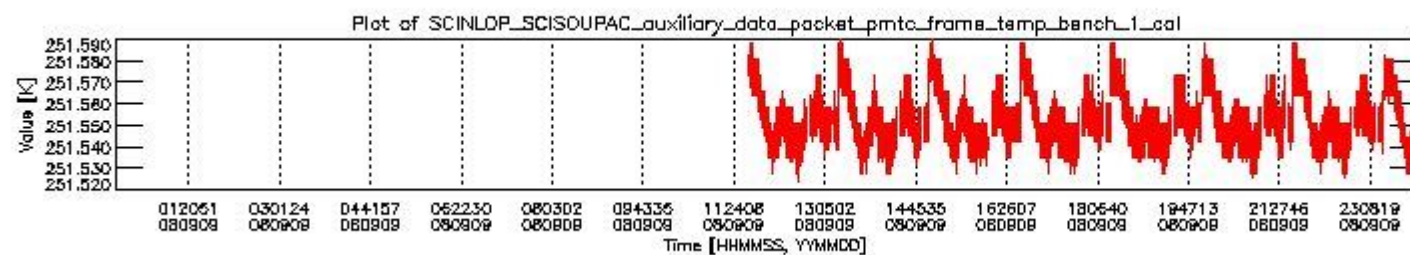
### 0.1.2 Summary per product

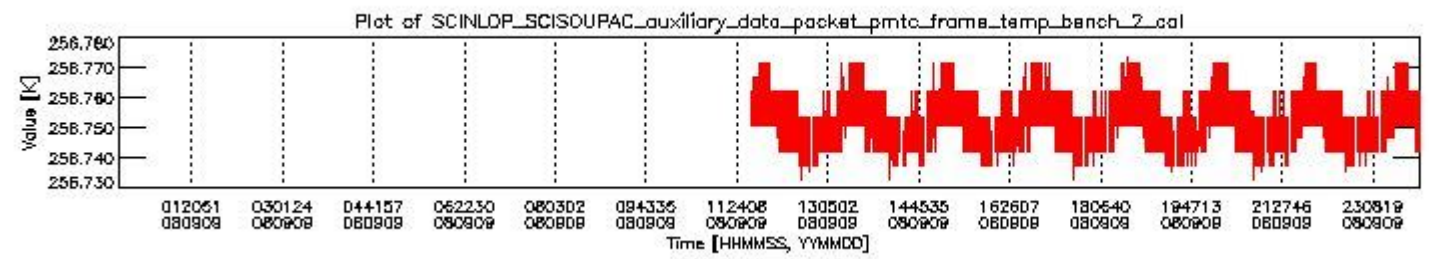
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20080909_113935_000006652072_00009_34131_9293.N1	09SEP2008 11:39:35	09SEP2008 11:50:40	0	0	0	0	0
1	SCI_NL__0PNPDK20080909_115040_000060362072_00009_34131_9294.N1	09SEP2008 11:50:40	09SEP2008 13:31:16	1	1	0	0	0
2	SCI_NL__0PNPDK20080909_133008_000058562072_00010_34132_9295.N1	09SEP2008 13:30:08	09SEP2008 15:07:44	0	0	0	0	0
3	SCI_NL__0PNPDK20080909_150648_000059682072_00011_34133_9296.N1	09SEP2008 15:06:48	09SEP2008 16:46:16	0	0	0	0	0
4	SCI_NL__0PNPDK20080909_164412_000060562072_00012_34134_9297.N1	09SEP2008 16:44:12	09SEP2008 18:25:08	0	0	0	0	0
5	SCI_NL__0PNPDK20080909_182316_000060362072_00013_34135_9298.N1	09SEP2008 18:23:16	09SEP2008 20:03:53	1	1	0	0	0
6	SCI_NL__0PNPDE20080909_200257_000042872072_00014_34136_7475.N1	09SEP2008 20:02:57	09SEP2008 21:14:23	0	0	0	0	0
7	SCI_NL__0PNPDE20080909_211423_000060882072_00014_34136_7476.N1	09SEP2008 21:14:23	09SEP2008 22:55:51	0	0	0	0	0
8	SCI_NL__0PNPDE20080909_225508_000061122072_00015_34137_7477.N1	09SEP2008 22:55:08	10SEP2008 00:37:00	0	0	0	0	0

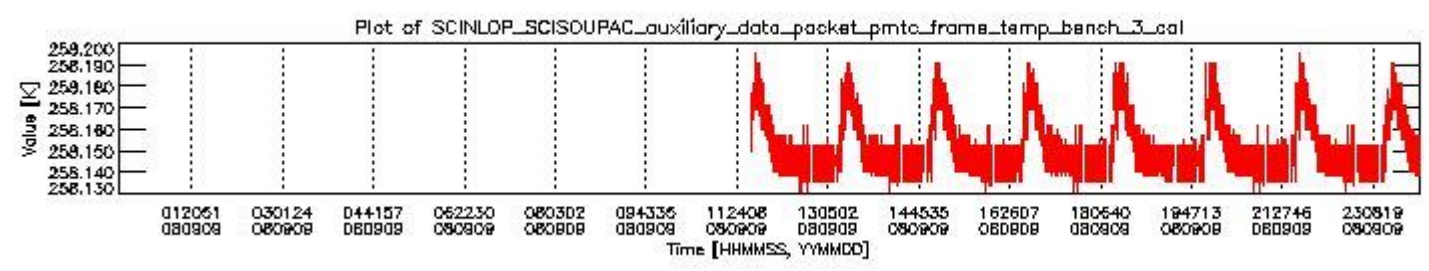
## 0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

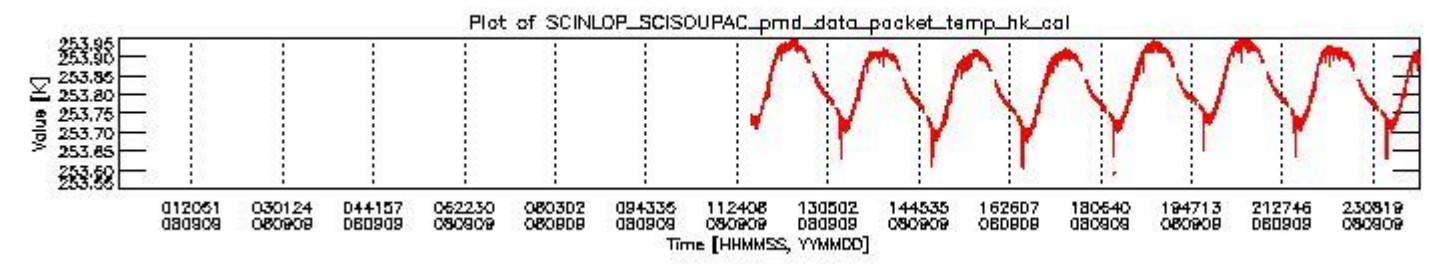




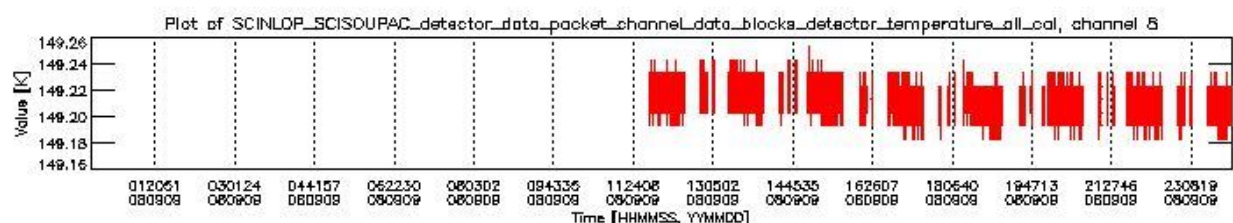
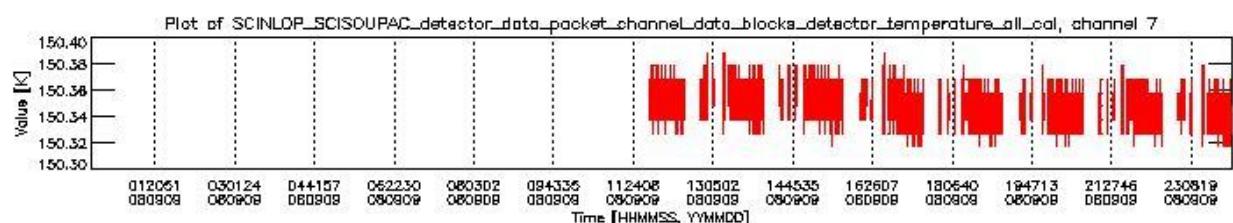
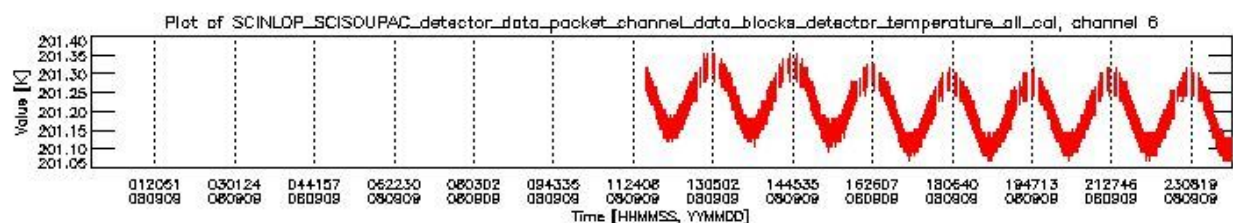
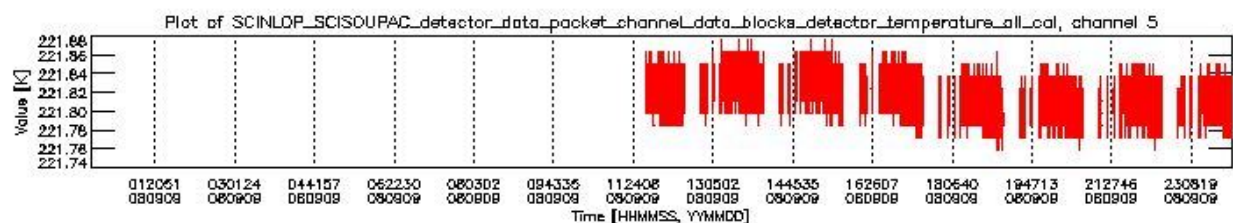
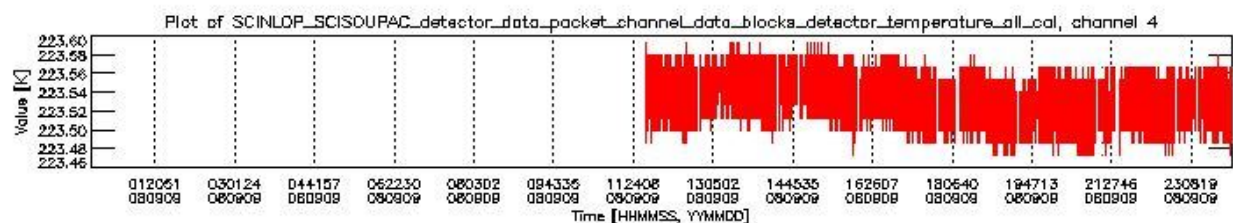
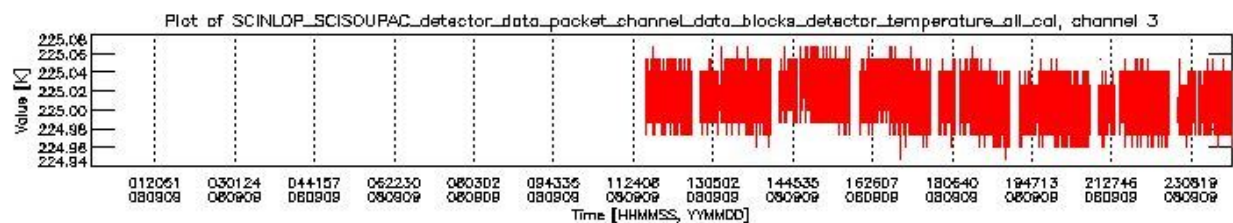
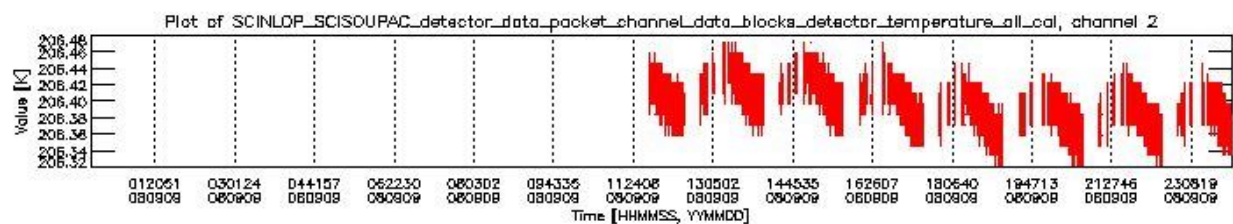
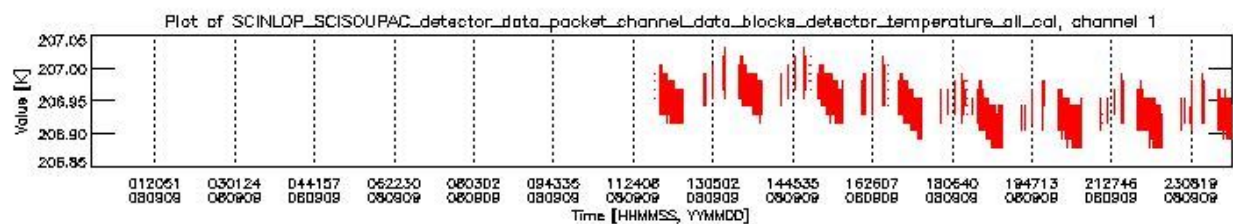
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080909\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080909\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080909\_3.PNG

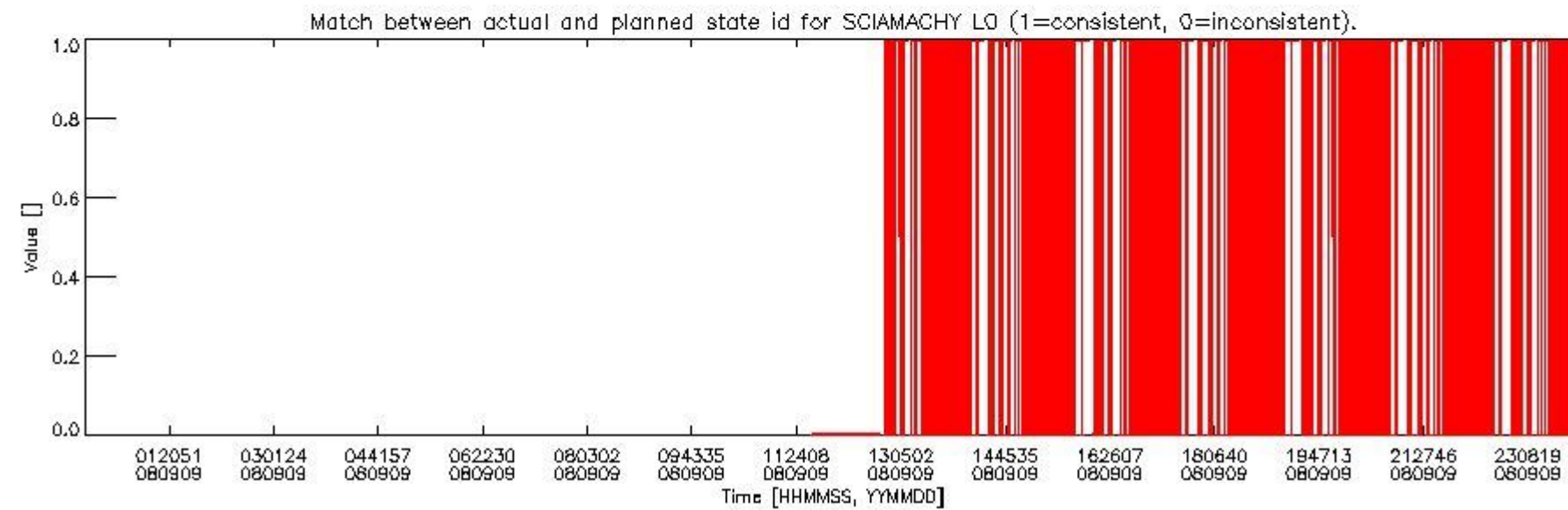
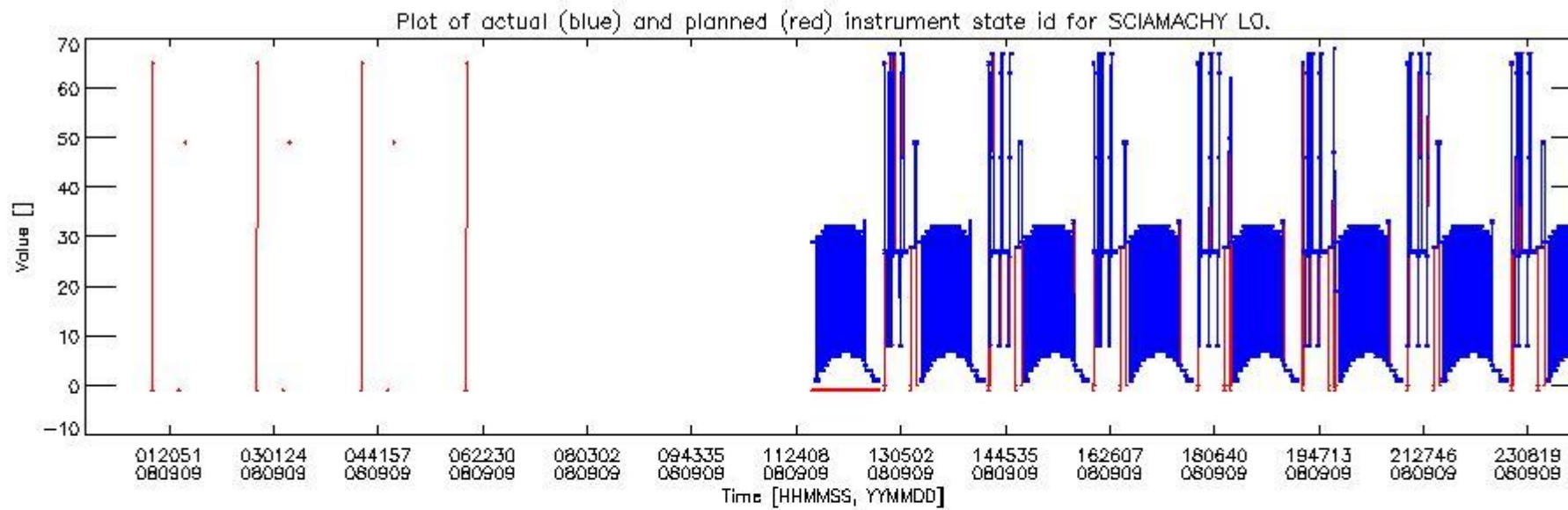


### 0.3 State monitoring

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: **47175**

#	Actual time	Actual value	Planned time	Planned value
0	09SEP2008 11:39:35.247762	29	09SEP2008 11:39:35.247762	-1
1	09SEP2008 11:39:35.872783	29	09SEP2008 11:39:35.872783	-1
2	09SEP2008 11:39:36.247796	29	09SEP2008 11:39:36.247796	-1
3	09SEP2008 11:39:36.622769	29	09SEP2008 11:39:36.622769	-1
4	09SEP2008 11:39:37.185269	29	09SEP2008 11:39:37.185269	-1
5	09SEP2008 11:39:37.560282	29	09SEP2008 11:39:37.560282	-1
6	09SEP2008 11:39:37.935295	29	09SEP2008 11:39:37.935295	-1
7	09SEP2008 11:39:38.310268	29	09SEP2008 11:39:38.310268	-1
8	09SEP2008 11:39:38.872767	29	09SEP2008 11:39:38.872767	-1
9	09SEP2008 11:39:39.247780	29	09SEP2008 11:39:39.247780	-1
10	09SEP2008 11:39:39.622793	29	09SEP2008 11:39:39.622793	-1
11	09SEP2008 11:39:39.997766	29	09SEP2008 11:39:39.997766	-1
12	09SEP2008 11:39:40.247775	29	09SEP2008 11:39:40.247775	-1
13	09SEP2008 11:39:40.560265	29	09SEP2008 11:39:40.560265	-1
14	09SEP2008 11:39:40.935279	29	09SEP2008 11:39:40.935279	-1
15	09SEP2008 11:39:41.310292	29	09SEP2008 11:39:41.310292	-1
16	09SEP2008 11:39:41.685264	29	09SEP2008 11:39:41.685264	-1
17	09SEP2008 11:39:42.247764	29	09SEP2008 11:39:42.247764	-1
18	09SEP2008 11:39:42.622777	29	09SEP2008 11:39:42.622777	-1
19	09SEP2008 11:39:42.997790	29	09SEP2008 11:39:42.997790	-1
	...	...	...	...

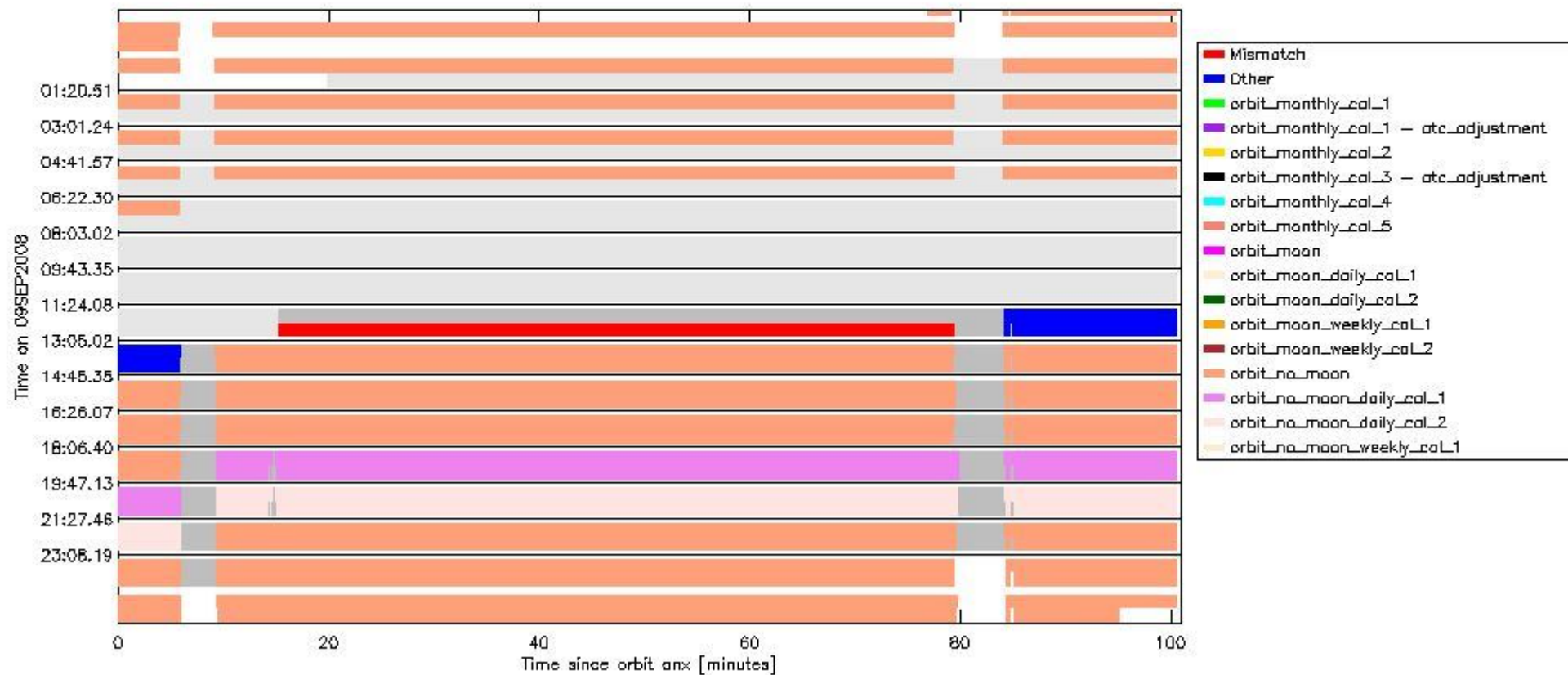


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080909\_5.PNG

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 09SEP2008.  
 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\_20080909\_6.PNG

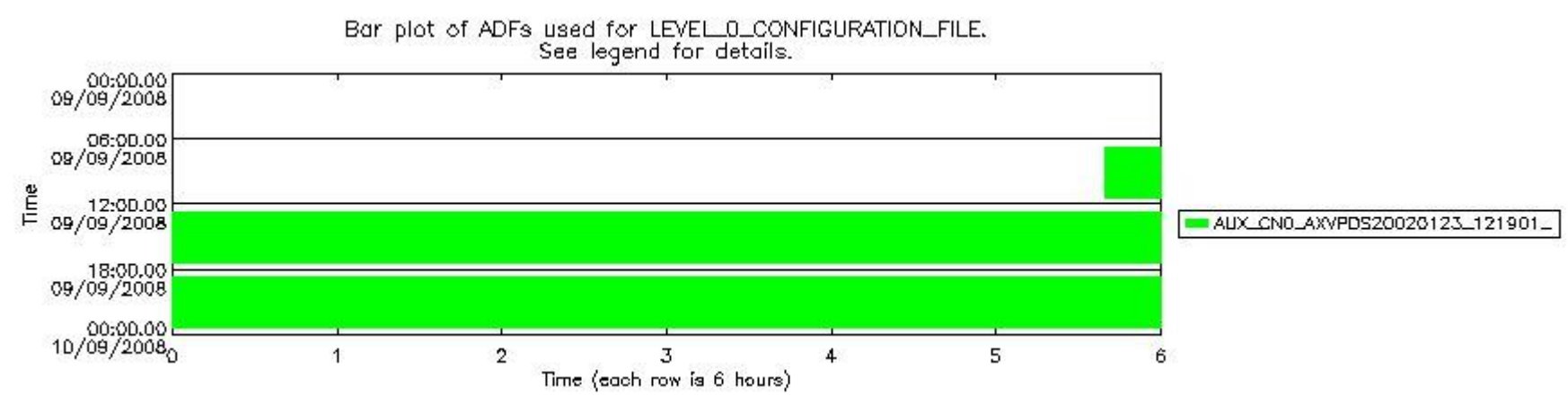
## 0.4 ADF monitoring

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

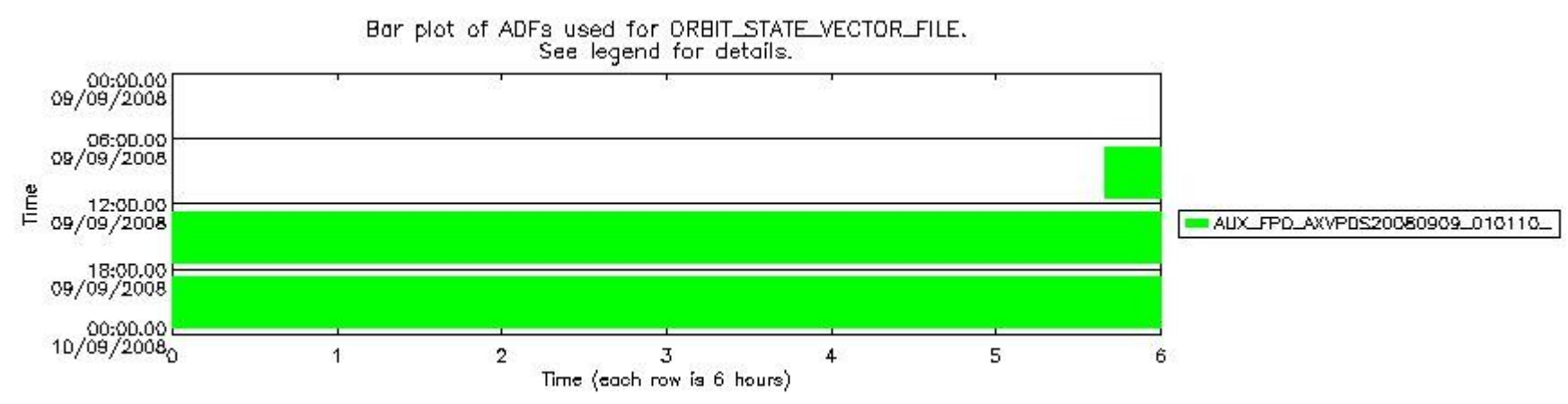
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

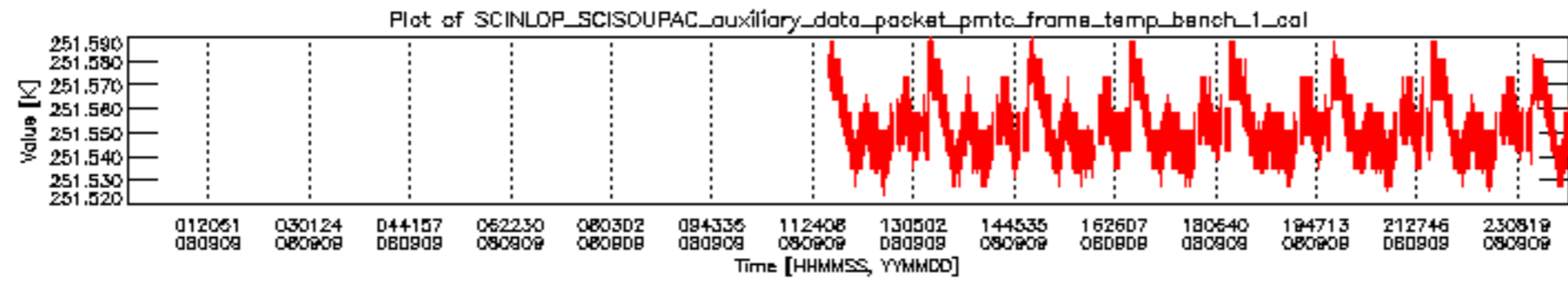
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20080909_010110_20080908_183816_20080918_200429



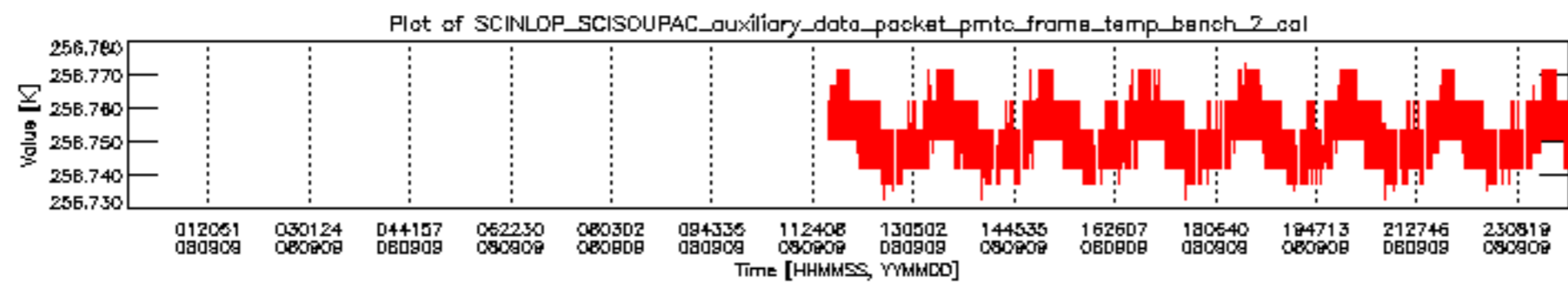
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080909\_7.PNG

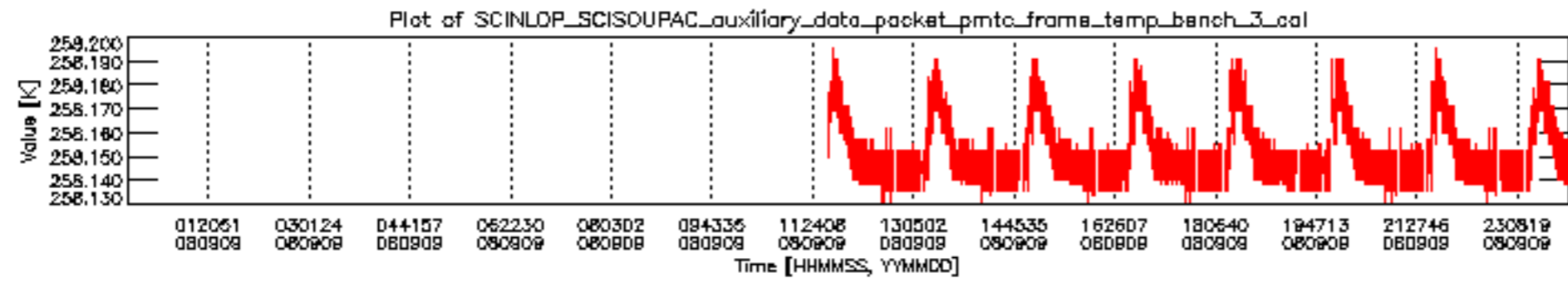


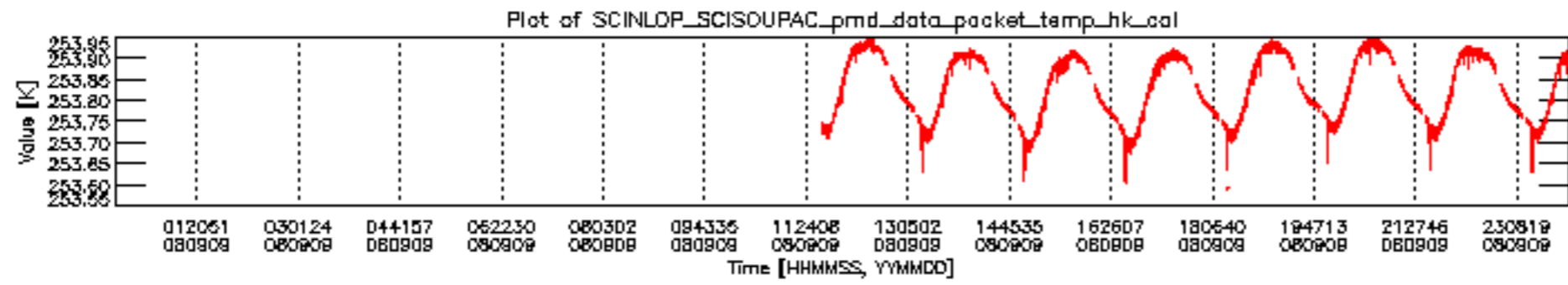
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080909\_8.PNG

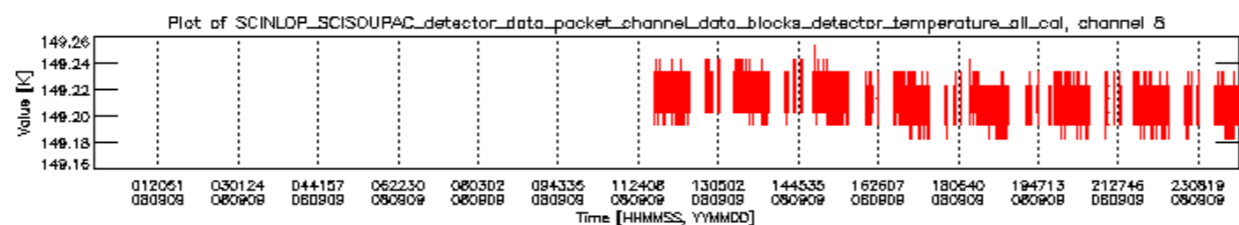
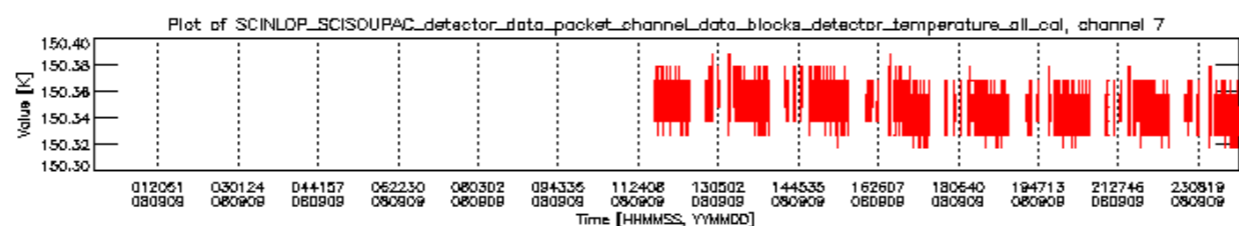
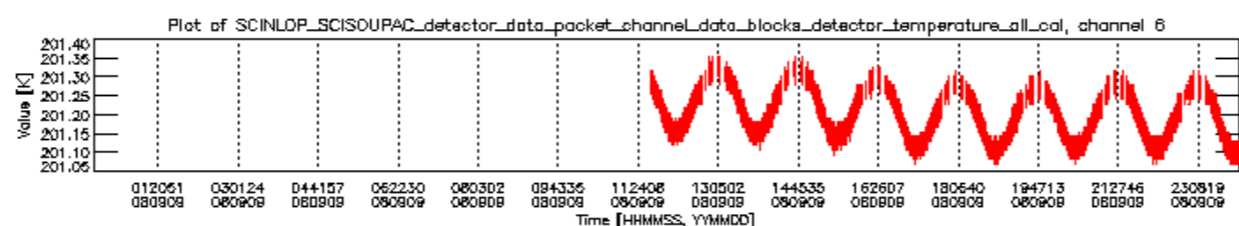
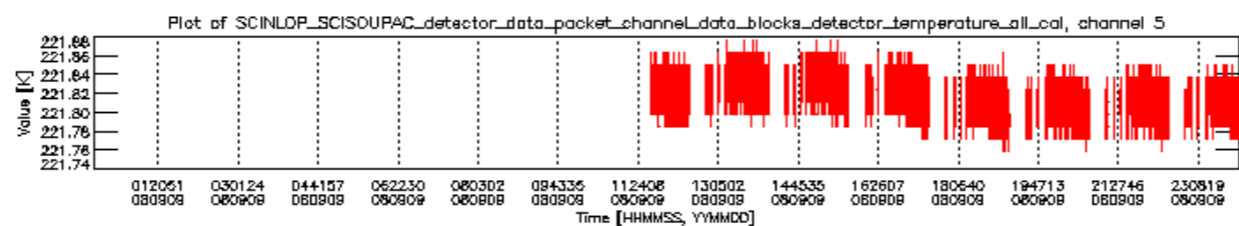
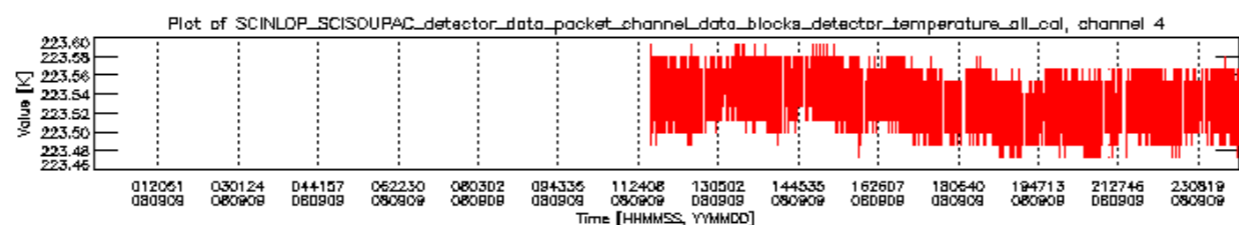
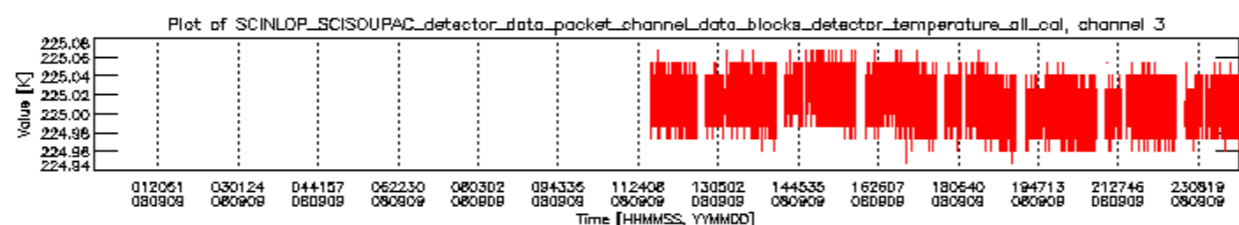
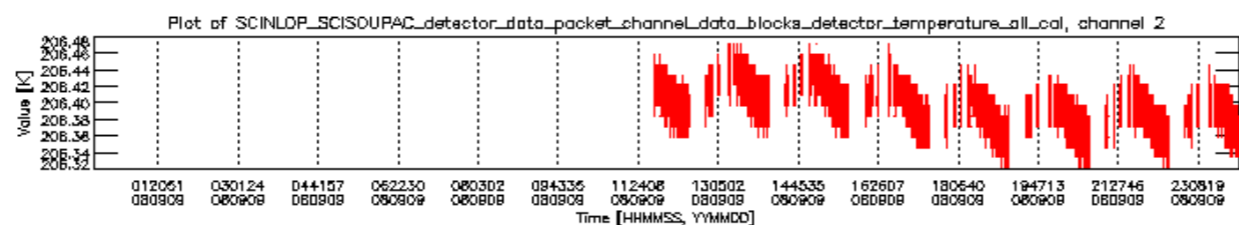
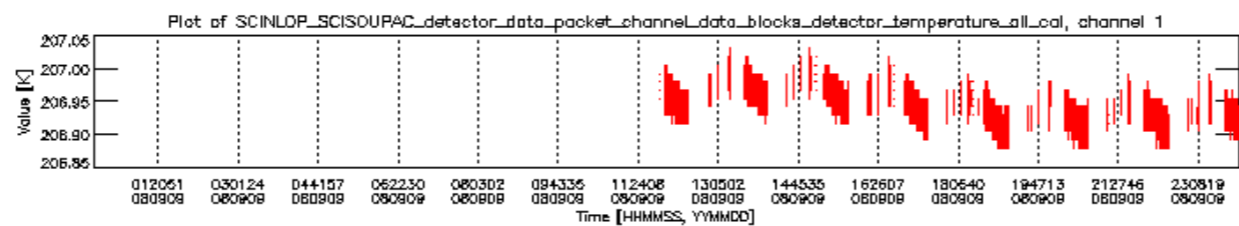


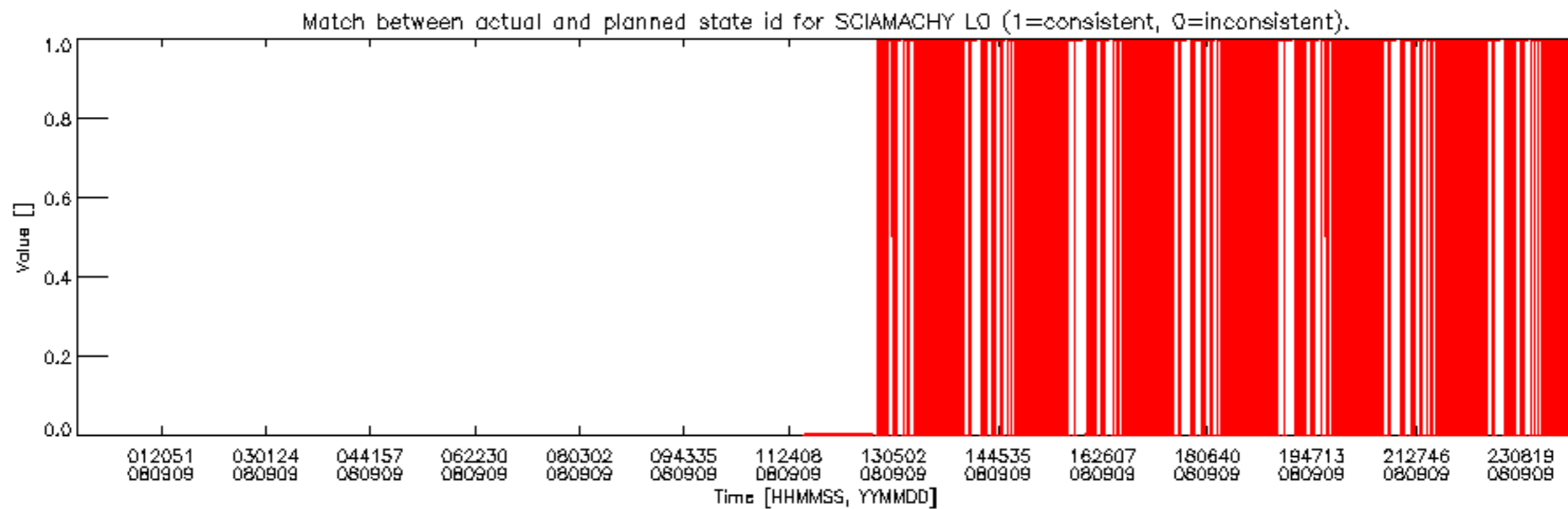
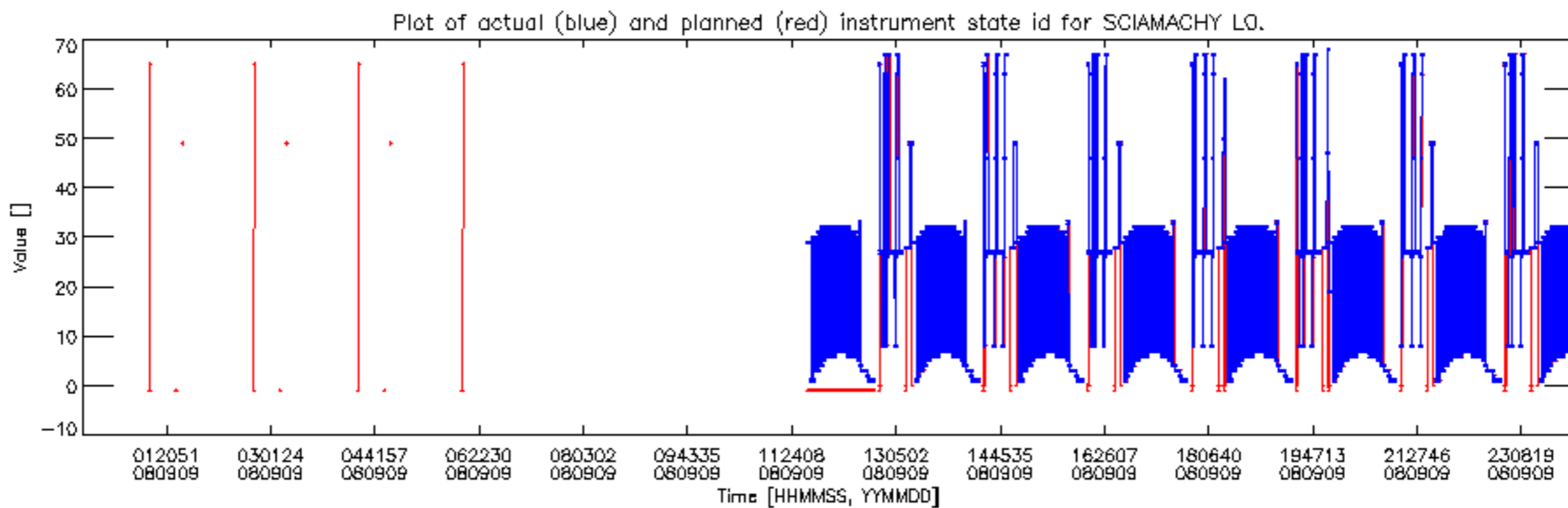












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 09SEP2008.  
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