

# 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	10OCT2008 05:15:31
Data source version	KSPT_L0/4303-N
Processing scope for products	06OCT2008 00:00:00 to 07OCT2008 00:00:00
Start time of first product within scope	05OCT2008 22:38:12
Stop time of last product within scope	07OCT2008 01:21:52
Total number of level 0 products	17
Number of level 0 products with errors	1

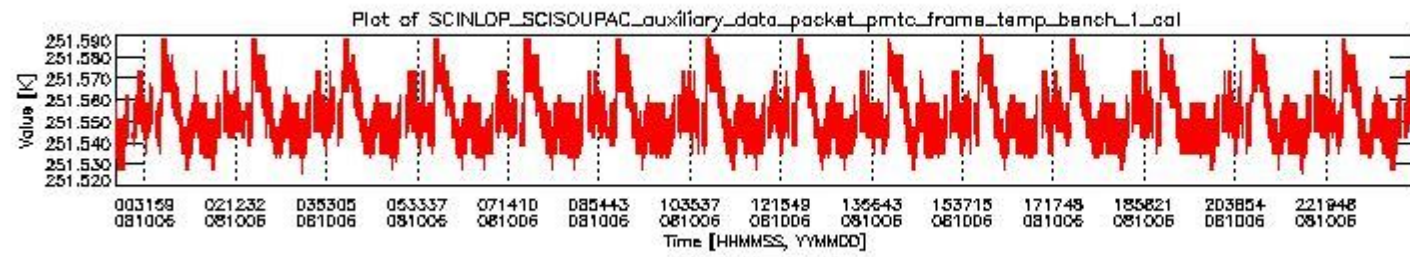
### 0.1.2 Summary per product

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

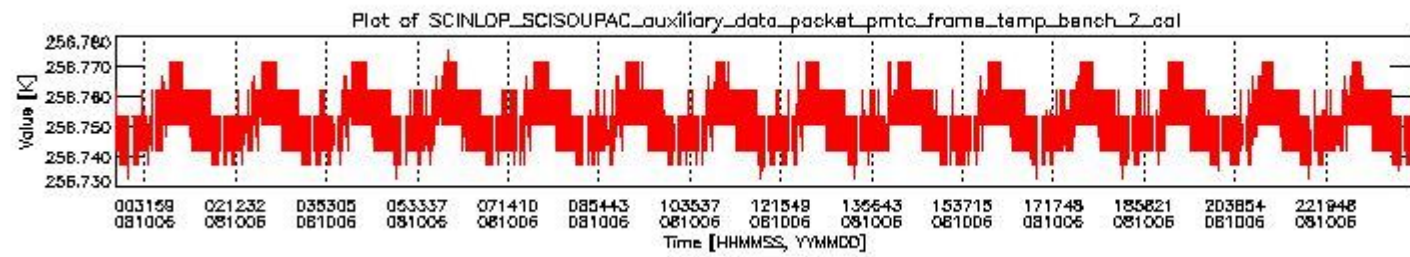
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081005_223812_000060362072_00387_34509_7648.N1	05OCT2008 22:38:12	06OCT2008 00:18:48	0	0	0	0	0
1	SCI_NL__OPNPDE20081006_001848_000056732072_00388_34510_7649.N1	06OCT2008 00:18:48	06OCT2008 01:53:22	0	0	0	0	0
2	SCI_NL__OPNPDE20081006_015925_000046272072_00389_34511_7650.N1	06OCT2008 01:59:25	06OCT2008 03:16:32	0	0	0	0	0
3	SCI_NL__OPNPDE20081006_031523_000058442072_00390_34512_7651.N1	06OCT2008 03:15:23	06OCT2008 04:52:47	0	0	0	0	0
4	SCI_NL__OPNPDE20081006_045247_000060492072_00391_34513_7652.N1	06OCT2008 04:52:47	06OCT2008 06:33:36	0	0	0	0	0
5	SCI_NL__OPNPDK20081006_063228_000041702072_00392_34514_9588.N1	06OCT2008 06:32:28	06OCT2008 07:41:58	0	0	0	0	0
6	SCI_NL__OPNPDK20081006_074049_000061742072_00393_34515_9589.N1	06OCT2008 07:40:49	06OCT2008 09:23:42	0	0	0	0	0
7	SCI_NL__OPNPDK20081006_092342_000059682072_00394_34516_9590.N1	06OCT2008 09:23:42	06OCT2008 11:03:10	0	0	0	0	0
8	SCI_NL__OPNPDK20081006_110202_000059812072_00395_34517_9591.N1	06OCT2008 11:02:02	06OCT2008 12:41:42	1	1	0	0	0
9	SCI_NL__OPNPDK20081006_124046_000057882072_00396_34518_9592.N1	06OCT2008 12:40:46	06OCT2008 14:17:14	0	0	0	0	0
10	SCI_NL__OPNPDK20081006_141618_000060922072_00397_34519_9593.N1	06OCT2008 14:16:18	06OCT2008 15:57:51	0	0	0	0	0
11	SCI_NL__OPNPDK20081006_155655_000060012072_00398_34520_9594.N1	06OCT2008 15:56:55	06OCT2008 17:36:55	0	0	0	0	0
12	SCI_NL__OPNPDK20081006_173615_000059192072_00399_34521_9595.N1	06OCT2008 17:36:15	06OCT2008 19:14:54	0	0	0	0	0
13	SCI_NL__OPNPDK20081006_191454_000060362072_00400_34522_9596.N1	06OCT2008 19:14:54	06OCT2008 20:55:30	0	0	0	0	0
14	SCI_NL__OPNPDE20081006_205530_000042722072_00401_34523_7653.N1	06OCT2008 20:55:30	06OCT2008 22:06:42	0	0	0	0	0
15	SCI_NL__OPNPDE20081006_220642_000061242072_00401_34523_7654.N1	06OCT2008 22:06:42	06OCT2008 23:48:46	0	0	0	0	0
16	SCI_NL__OPNPDE20081006_234802_000056302072_00402_34524_7655.N1	06OCT2008 23:48:02	07OCT2008 01:21:52	0	0	0	0	0

## 0.2 Product Quality Indicators

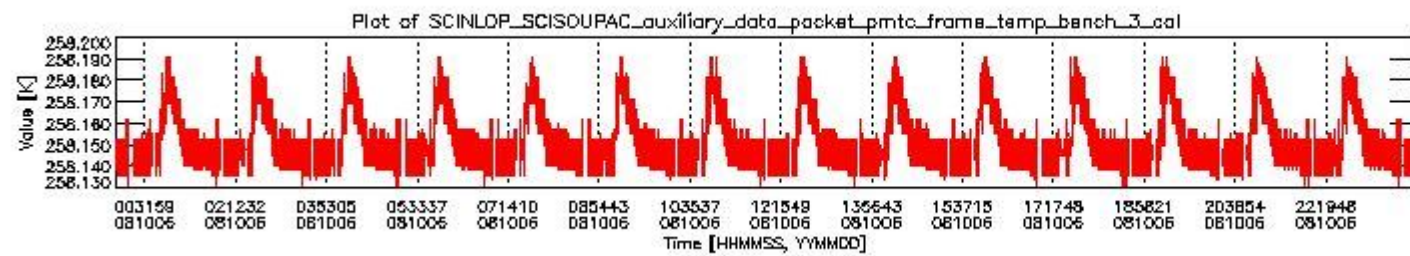
This section shows information about product quality, currently temperatures.



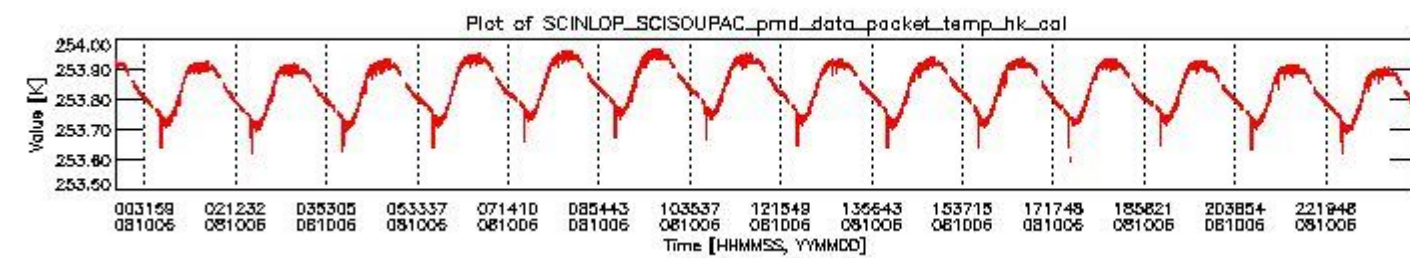
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081006\_0.PNG



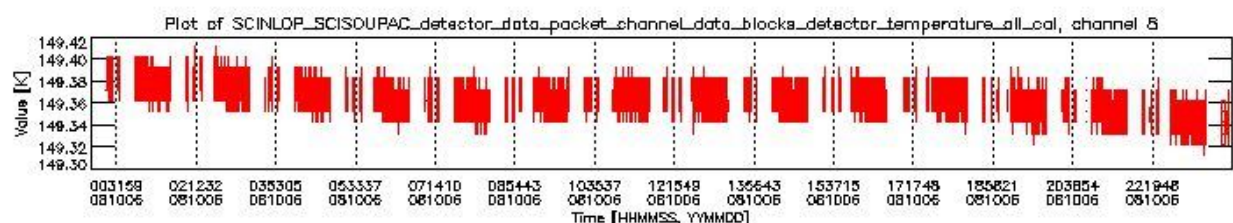
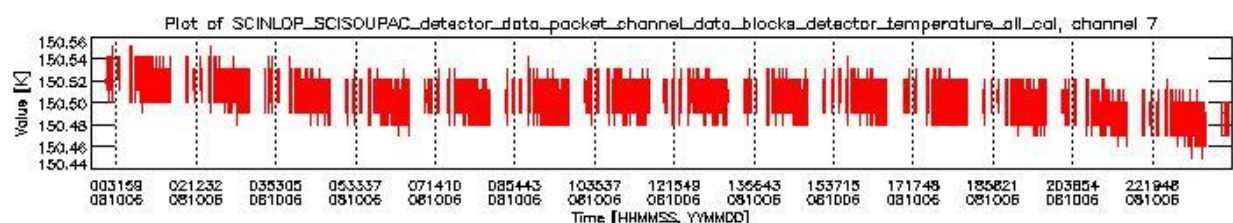
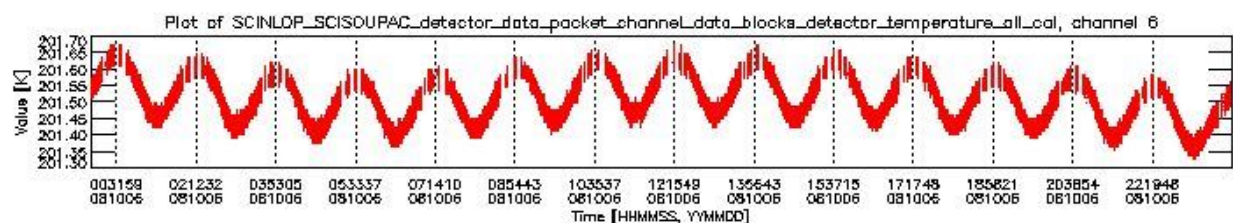
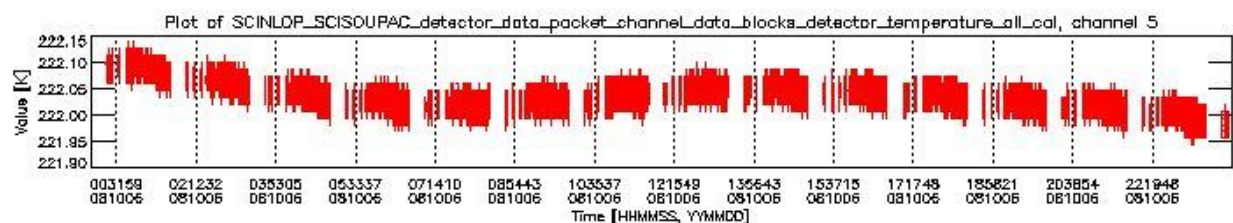
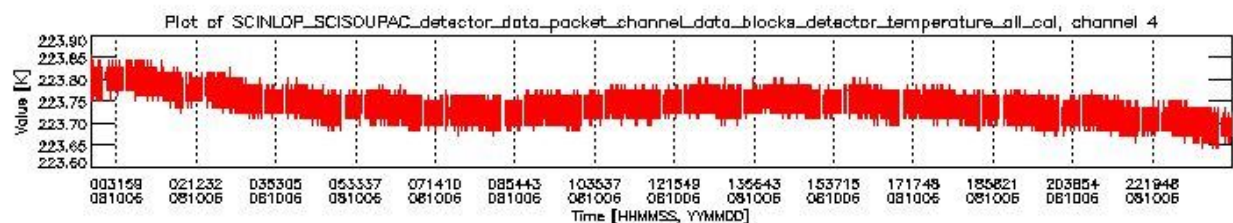
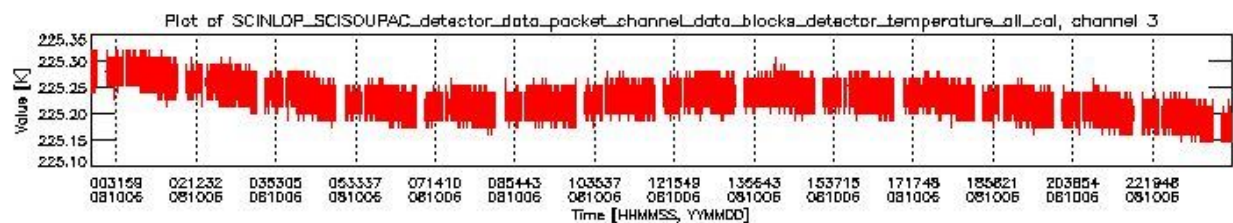
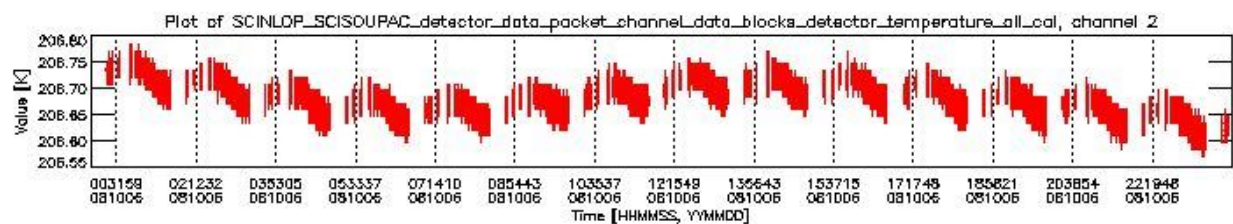
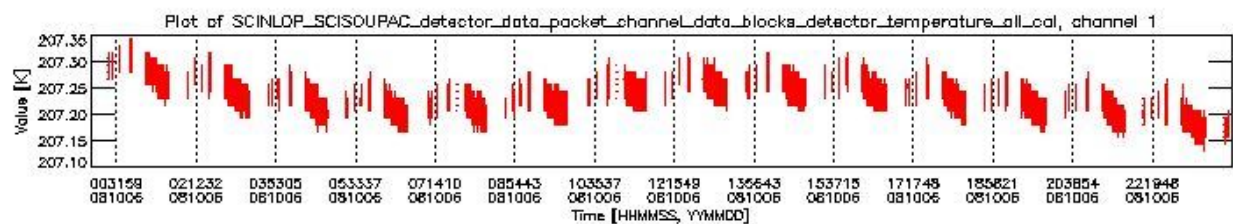
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081006\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081006\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081006\_3.PNG

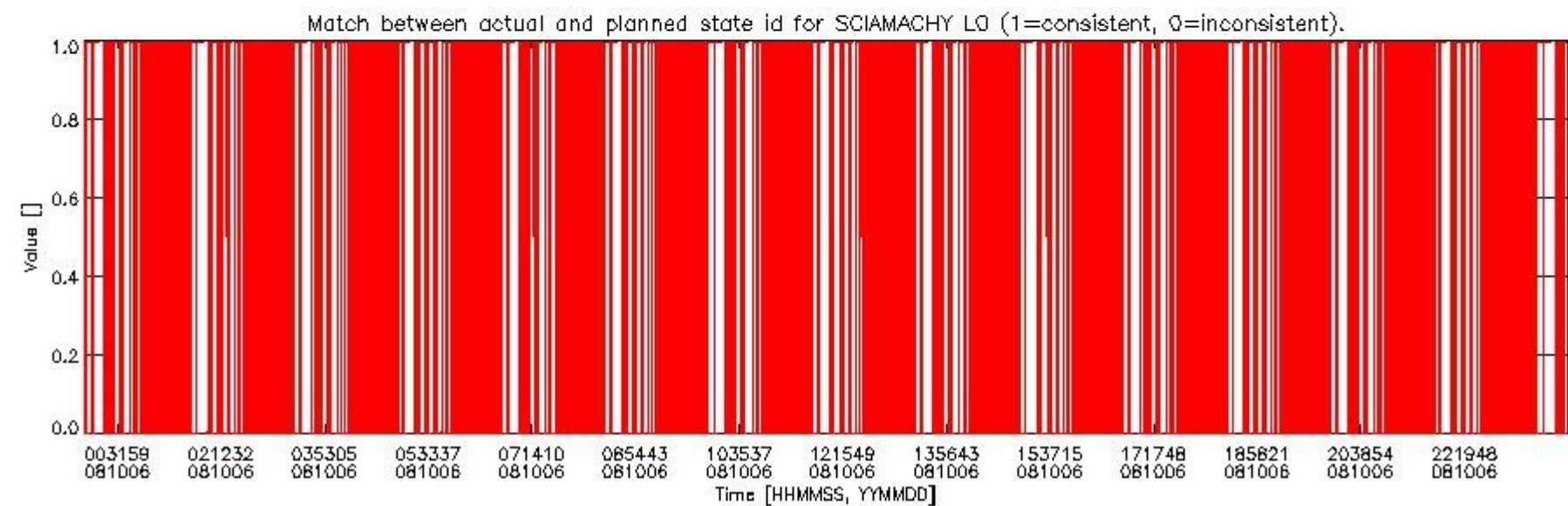
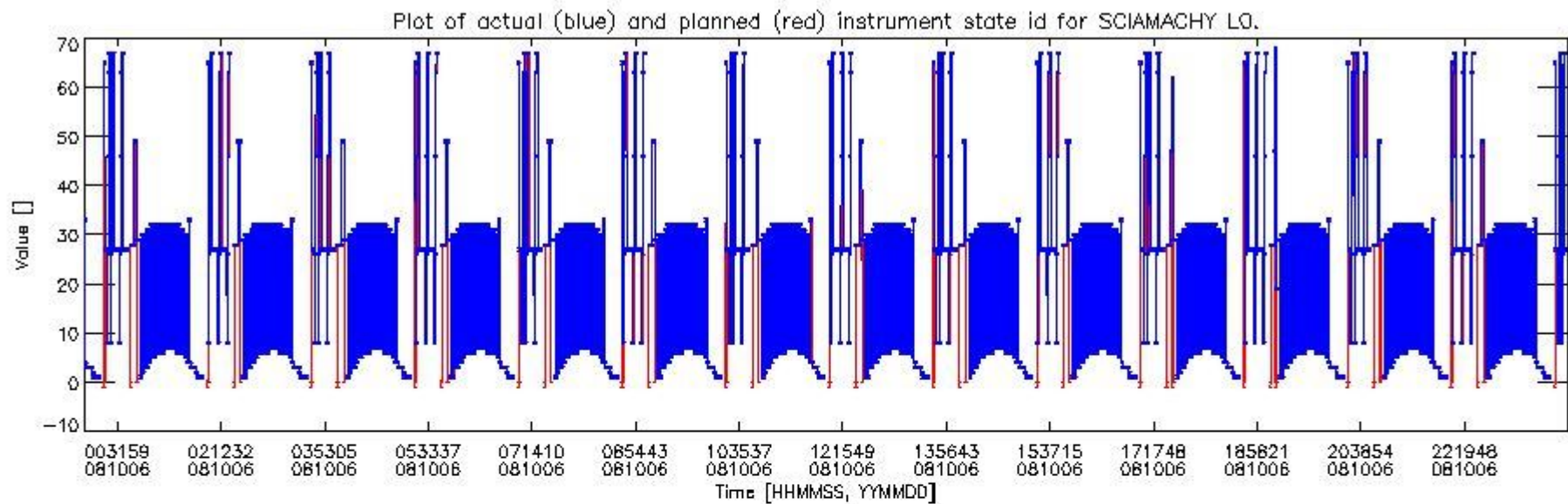


### 0.3 State monitoring

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: **44497**

#	Actual time	Actual value	Planned time	Planned value
0	06OCT2008 00:00:24.327005	4	06OCT2008 00:00:24.327005	33
1	06OCT2008 00:00:24.577014	4	06OCT2008 00:00:24.577014	33
2	06OCT2008 00:00:24.702018	4	06OCT2008 00:00:24.702018	33
3	06OCT2008 00:00:24.827023	4	06OCT2008 00:00:24.827023	33
4	06OCT2008 00:00:24.952027	4	06OCT2008 00:00:24.952027	33
5	06OCT2008 00:00:25.077032	4	06OCT2008 00:00:25.077032	33
6	06OCT2008 00:00:25.202036	4	06OCT2008 00:00:25.202036	33
7	06OCT2008 00:00:25.327000	4	06OCT2008 00:00:25.327000	33
8	06OCT2008 00:00:25.452004	4	06OCT2008 00:00:25.452004	33
9	06OCT2008 00:00:25.577009	4	06OCT2008 00:00:25.577009	33
10	06OCT2008 00:00:25.702013	4	06OCT2008 00:00:25.702013	33
11	06OCT2008 00:00:25.827017	4	06OCT2008 00:00:25.827017	33
12	06OCT2008 00:00:25.952022	4	06OCT2008 00:00:25.952022	33
13	06OCT2008 00:00:26.077026	4	06OCT2008 00:00:26.077026	33
14	06OCT2008 00:00:26.202030	4	06OCT2008 00:00:26.202030	33
15	06OCT2008 00:00:26.327035	4	06OCT2008 00:00:26.327035	33
16	06OCT2008 00:00:26.452039	4	06OCT2008 00:00:26.452039	33
17	06OCT2008 00:00:26.577003	4	06OCT2008 00:00:26.577003	33
18	06OCT2008 00:00:26.702008	4	06OCT2008 00:00:26.702008	33
19	06OCT2008 00:00:26.827012	4	06OCT2008 00:00:26.827012	33
	...	...	...	...

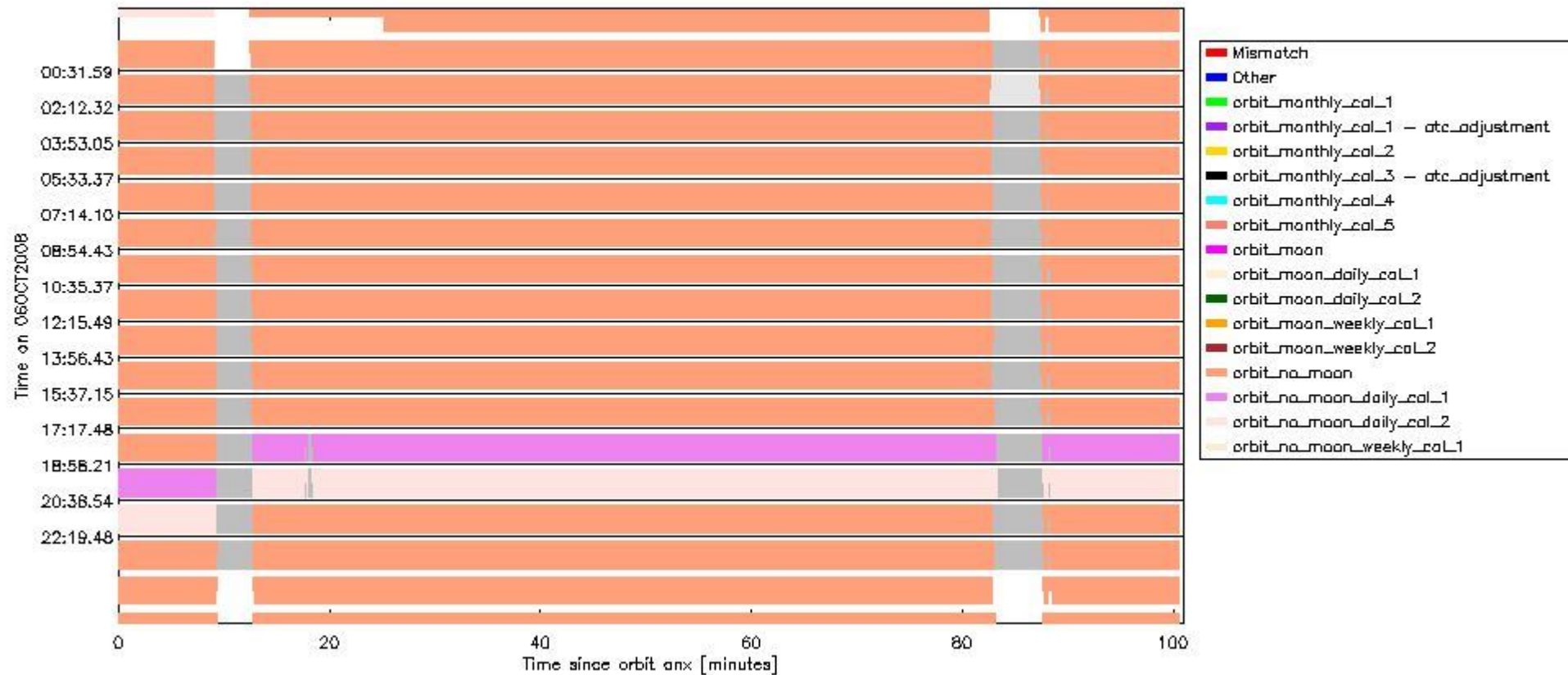


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081006\_5.PNG

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 06OCT2008.  
 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\_20081006\_6.PNG

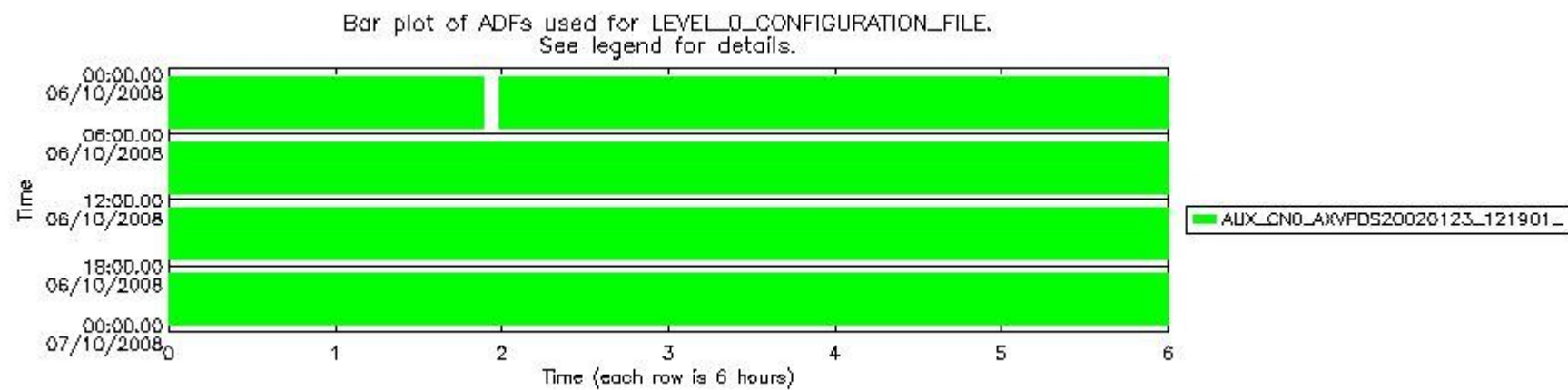
## 0.4 ADF monitoring

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

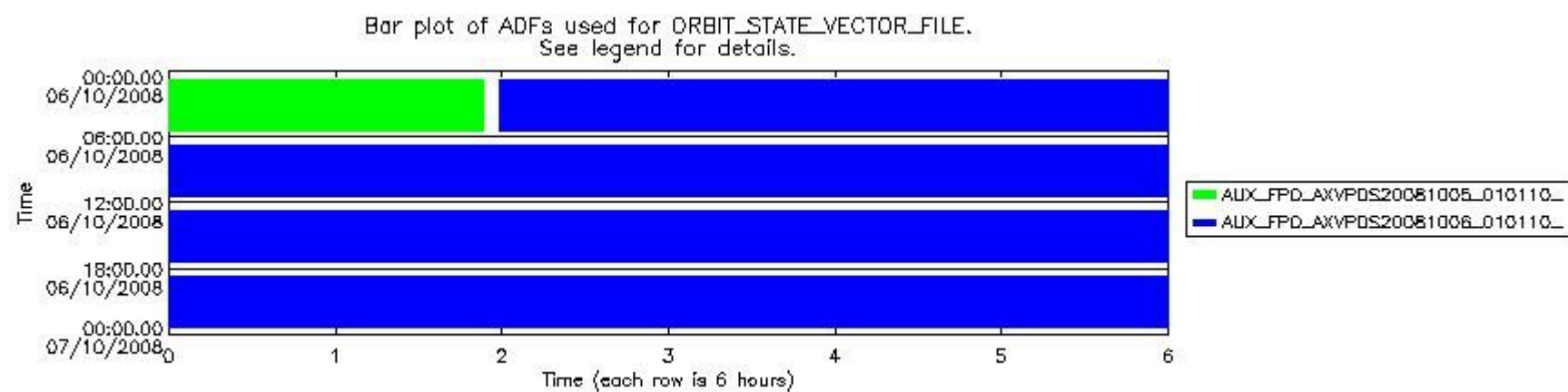
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

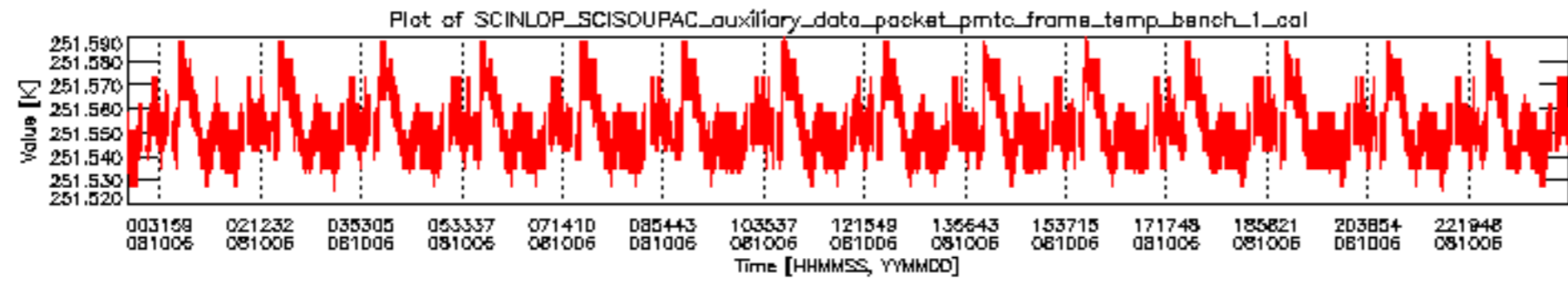
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20081005_010110_20081004_182103_20081014_212753</b>
2	<b>AUX_FPO_AXVPDS20081006_010110_20081005_193002_20081015_205616</b>



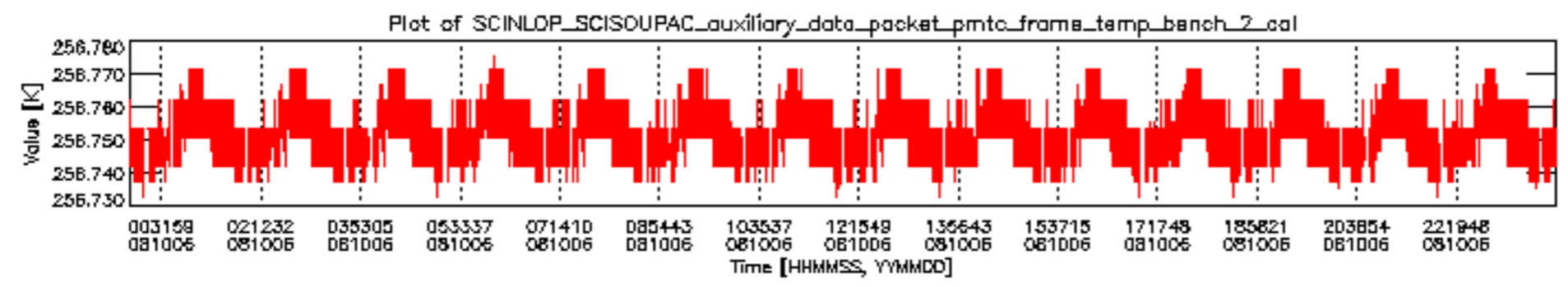
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081006\_7.PNG

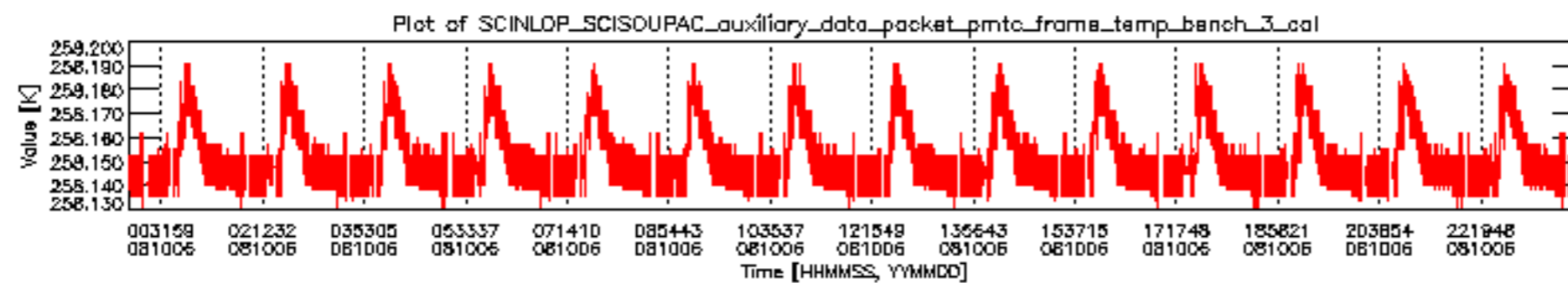


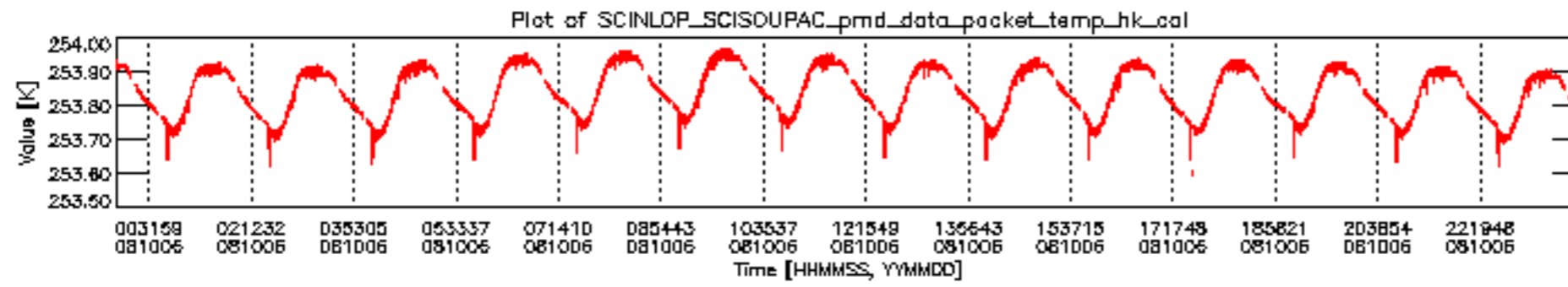
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081006\_8.PNG

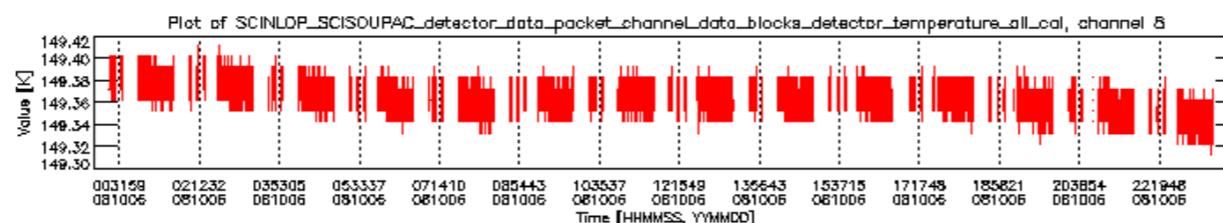
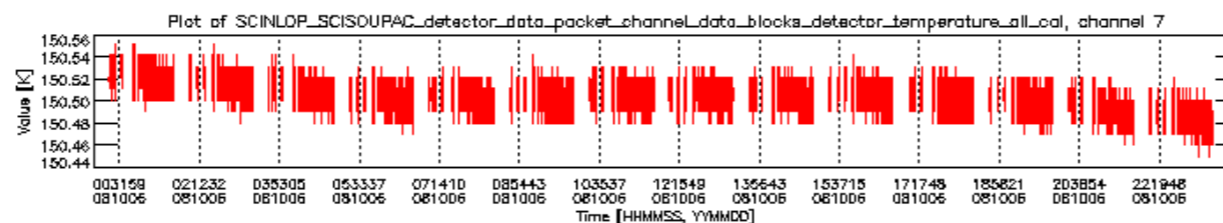
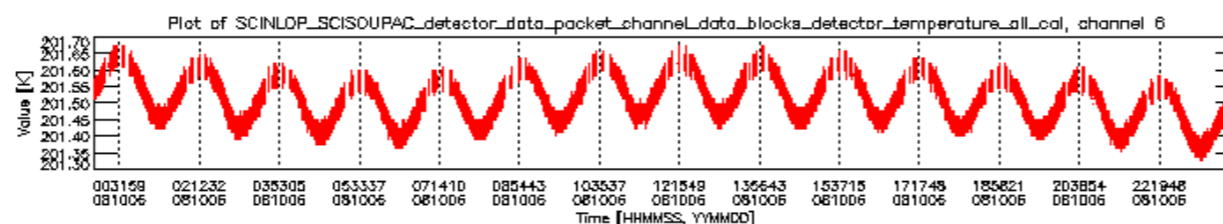
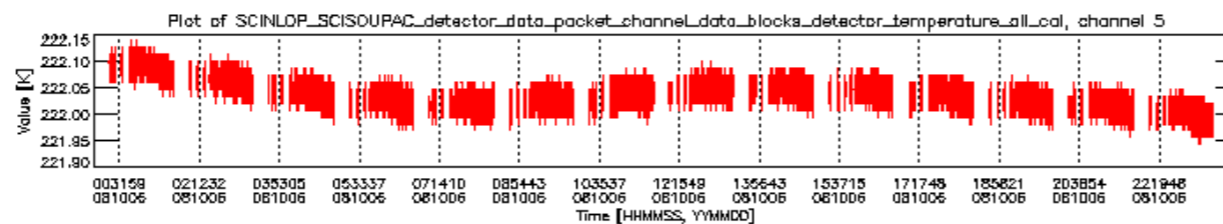
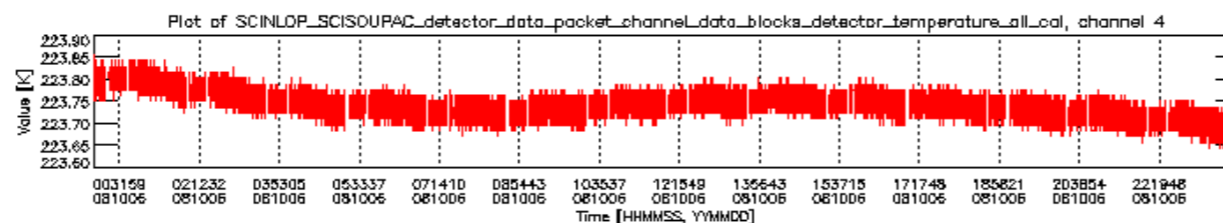
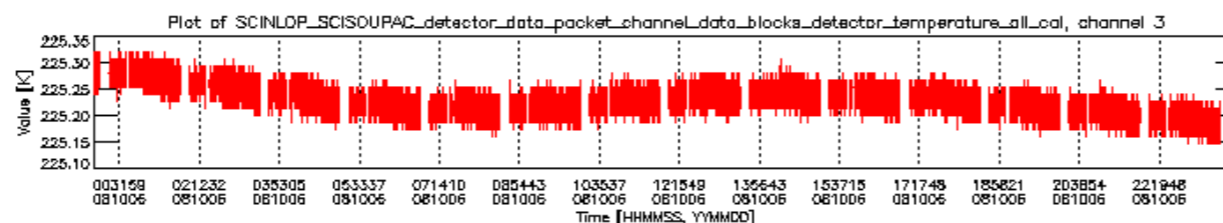
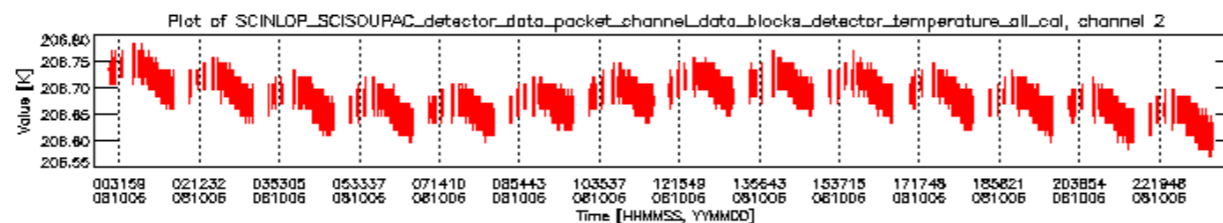
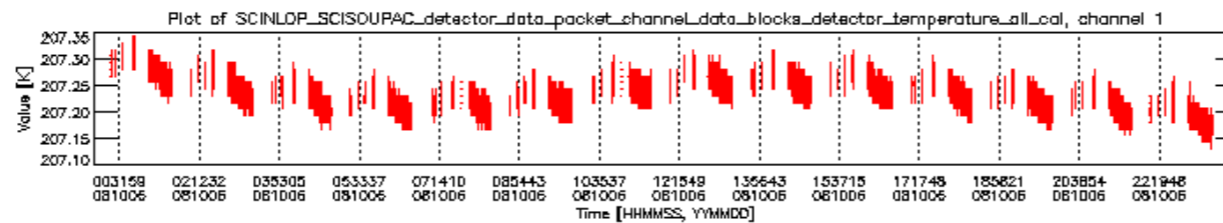


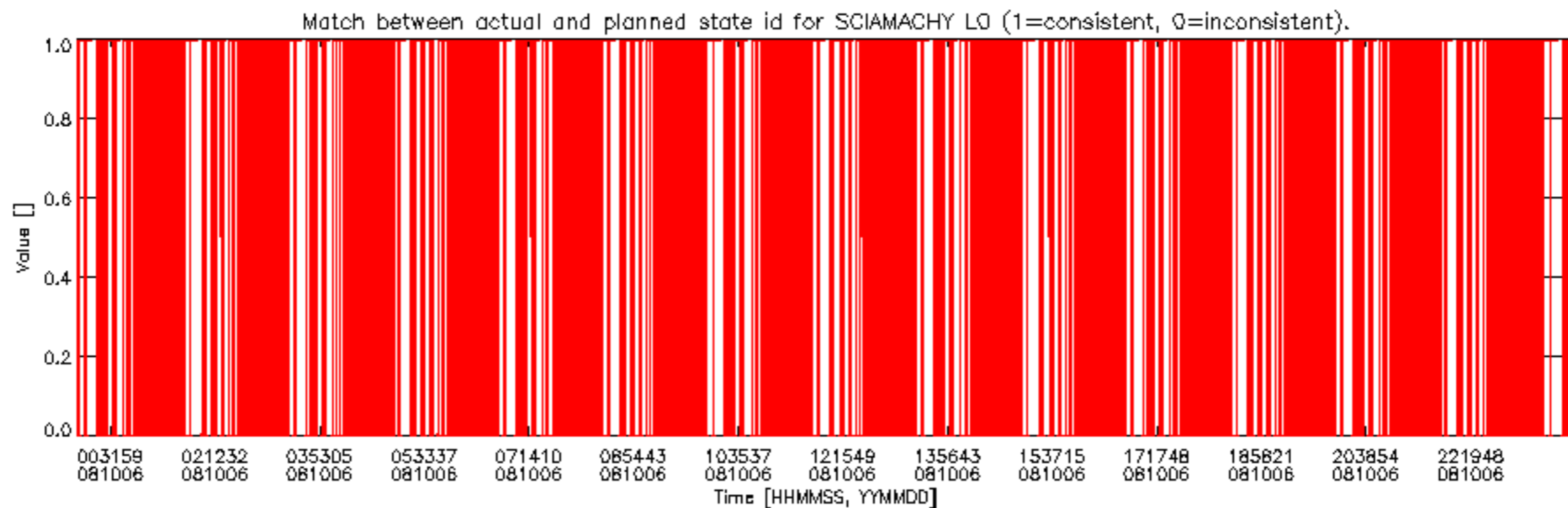
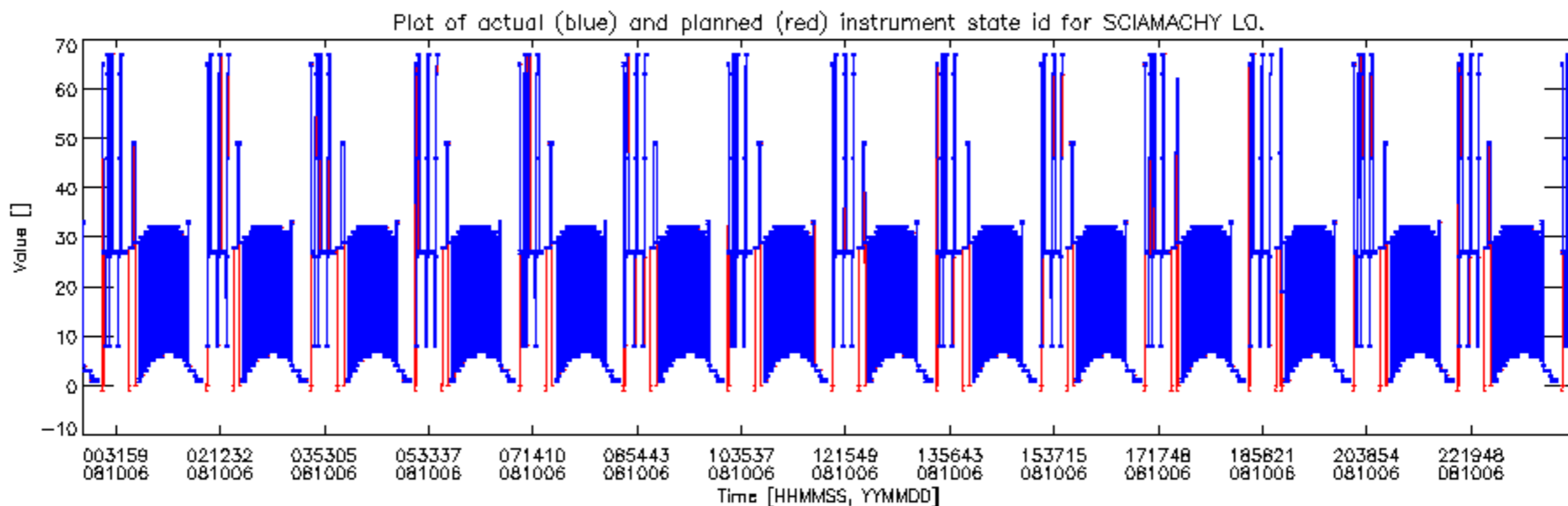












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 06OCT2008.  
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