

## 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	15AUG2008 04:51:04
Data source version	KSPT_L0/4303-N
Processing scope for products	11AUG2008 00:00:00 to 12AUG2008 00:00:00
Start time of first product within scope	10AUG2008 23:39:50
Stop time of last product within scope	12AUG2008 00:48:58
Total number of level 0 products	17
Number of level 0 products with errors	3

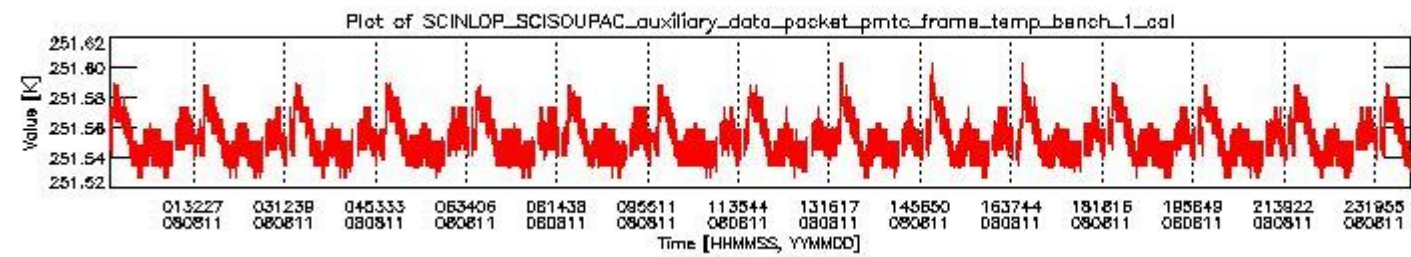
### 0.1.2 Summary per product

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

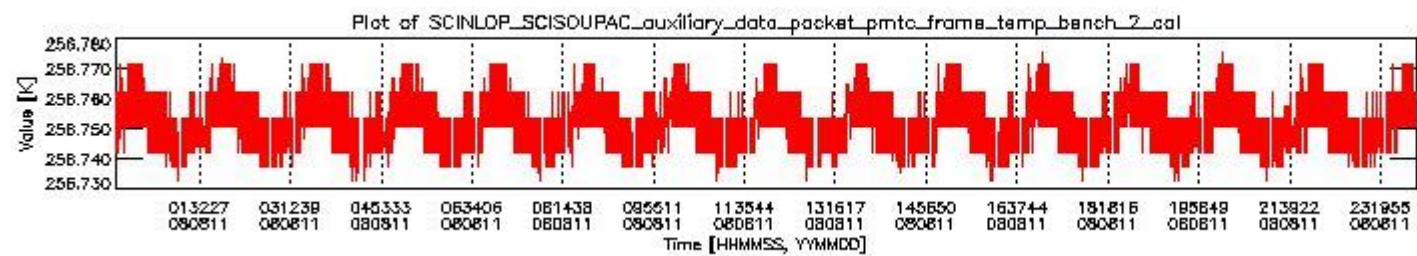
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080810_233950_000059482071_00087_33708_7287.N1	10AUG2008 23:39:50	11AUG2008 01:18:58	0	0	0	0	0
1	SCI_NL__OPNPDE20080811_011735_000047632071_00088_33709_7288.N1	11AUG2008 01:17:35	11AUG2008 02:36:57	0	0	0	0	0
2	SCI_NL__OPNPDE20080811_023657_000057872071_00089_33710_7289.N1	11AUG2008 02:36:57	11AUG2008 04:13:25	0	0	0	0	0
3	SCI_NL__OPNPDE20080811_041325_000060922071_00090_33711_7290.N1	11AUG2008 04:13:25	11AUG2008 05:54:57	0	0	0	0	0
4	SCI_NL__OPNPDK20080811_055401_000041142071_00091_33712_9007.N1	11AUG2008 05:54:01	11AUG2008 07:02:35	0	0	0	0	0
5	SCI_NL__OPNPDK20080811_070235_000052772071_00092_33713_9008.N1	11AUG2008 07:02:35	11AUG2008 08:30:32	0	0	0	0	0
6	SCI_NL__OPNPDK20080811_083032_000008152071_00093_33714_9009.N1	11AUG2008 08:30:32	11AUG2008 08:44:07	0	0	0	0	0
7	SCI_NL__OPNPDK20080811_084407_000059122071_00093_33714_9010.N1	11AUG2008 08:44:07	11AUG2008 10:22:39	1	1	0	0	0
8	SCI_NL__OPNPDK20080811_102239_000059682071_00094_33715_9011.N1	11AUG2008 10:22:39	11AUG2008 12:02:07	1	1	0	0	0
9	SCI_NL__OPNPDK20080811_120207_000060492071_00095_33716_9012.N1	11AUG2008 12:02:07	11AUG2008 13:42:56	1	1	0	0	0
10	SCI_NL__OPNPDK20080811_134147_000058432071_00096_33717_9013.N1	11AUG2008 13:41:47	11AUG2008 15:19:10	0	0	0	0	0
11	SCI_NL__OPNPDK20080811_151910_000059252071_00097_33718_9014.N1	11AUG2008 15:19:10	11AUG2008 16:57:55	0	0	0	0	0
12	SCI_NL__OPNPDK20080811_165550_000059182071_00098_33719_9015.N1	11AUG2008 16:55:50	11AUG2008 18:34:28	0	0	0	0	0
13	SCI_NL__OPNPDK20080811_183332_000060362071_00099_33720_9016.N1	11AUG2008 18:33:32	11AUG2008 20:14:09	0	0	0	0	0
14	SCI_NL__OPNPDE20080811_201217_000044372071_00100_33721_7291.N1	11AUG2008 20:12:17	11AUG2008 21:26:14	0	0	0	0	0
15	SCI_NL__OPNPDE20080811_212451_000062962071_00100_33721_7292.N1	11AUG2008 21:24:51	11AUG2008 23:09:47	0	0	0	0	0
16	SCI_NL__OPNPDE20080811_230819_000060392071_00101_33722_7293.N1	11AUG2008 23:08:19	12AUG2008 00:48:58	0	0	0	0	0

## 0.2 Product Quality Indicators

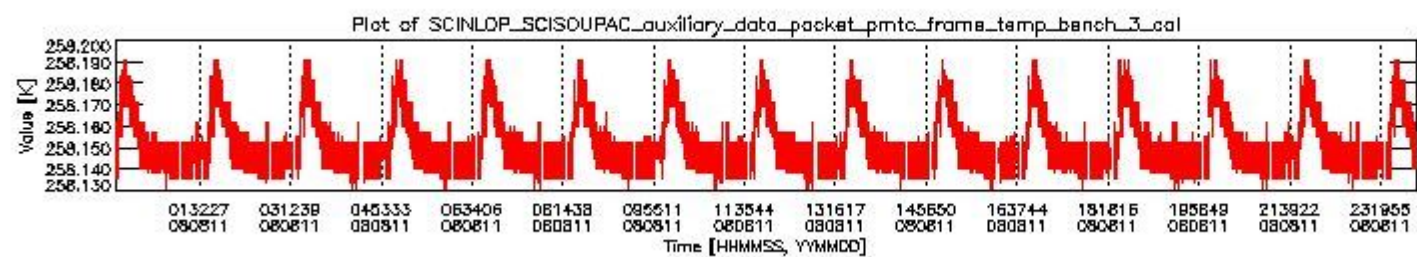
This section shows information about product quality, currently temperatures.



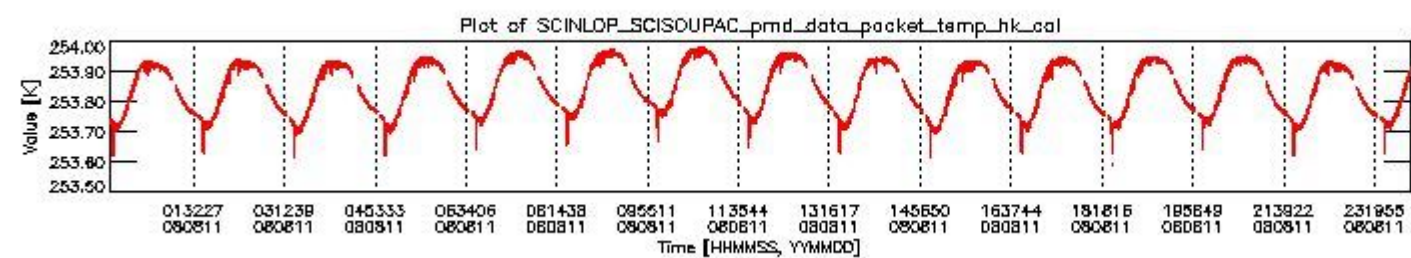
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080811\_0.PNG



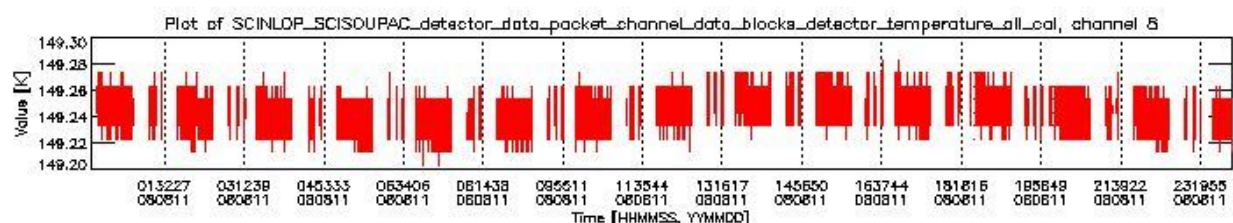
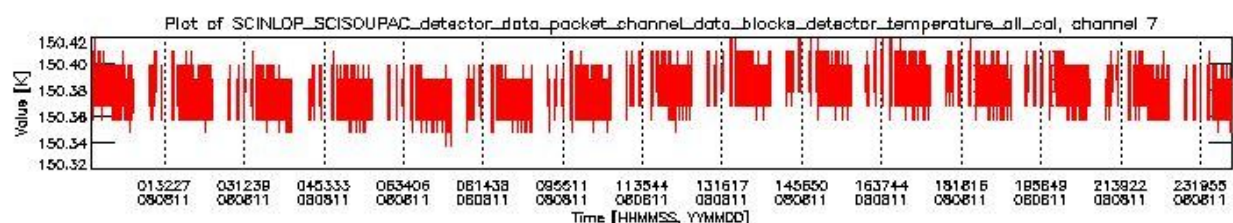
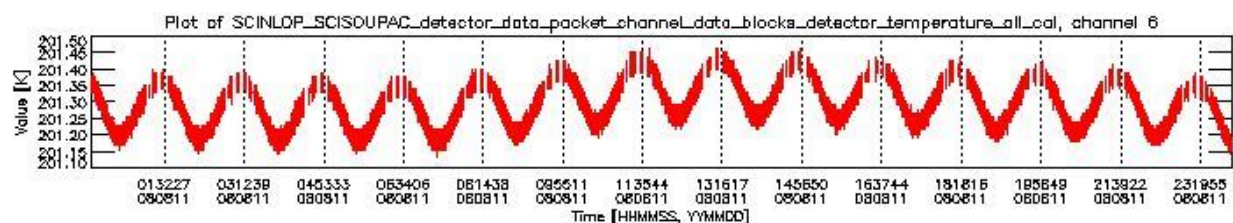
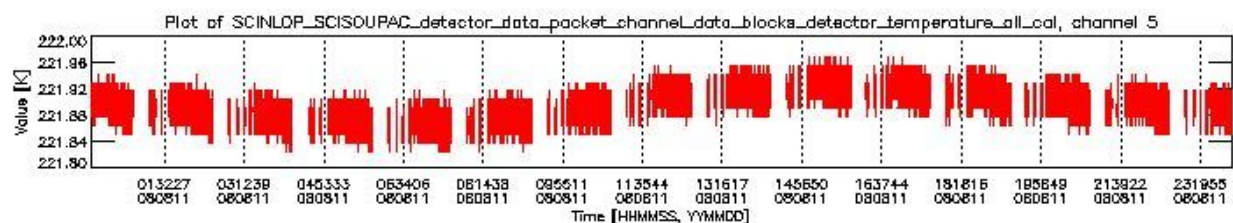
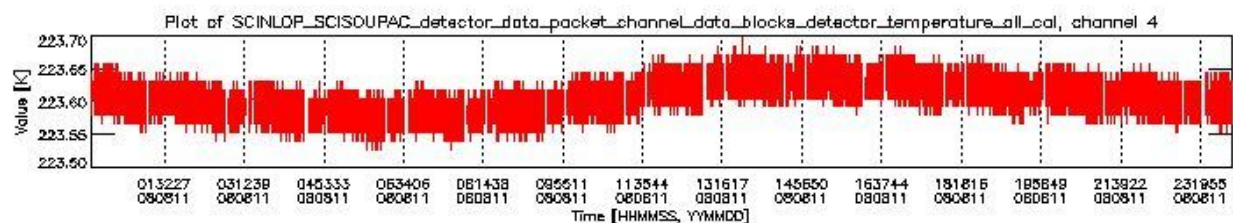
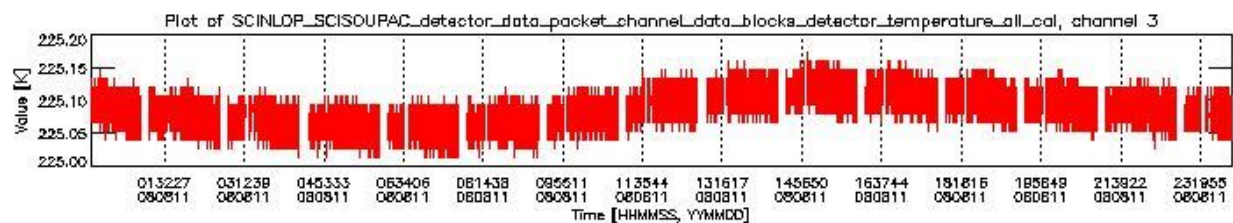
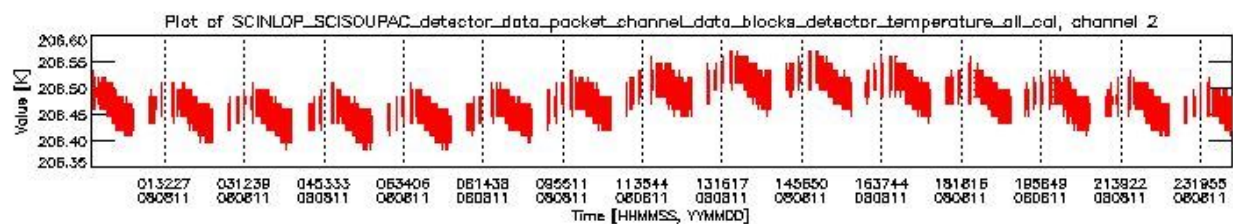
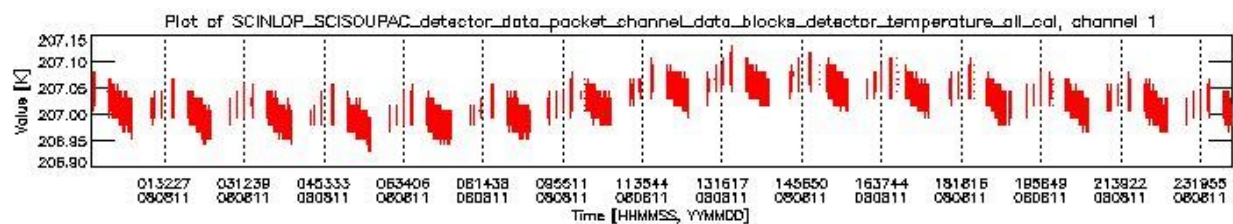
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080811\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080811\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080811\_3.PNG

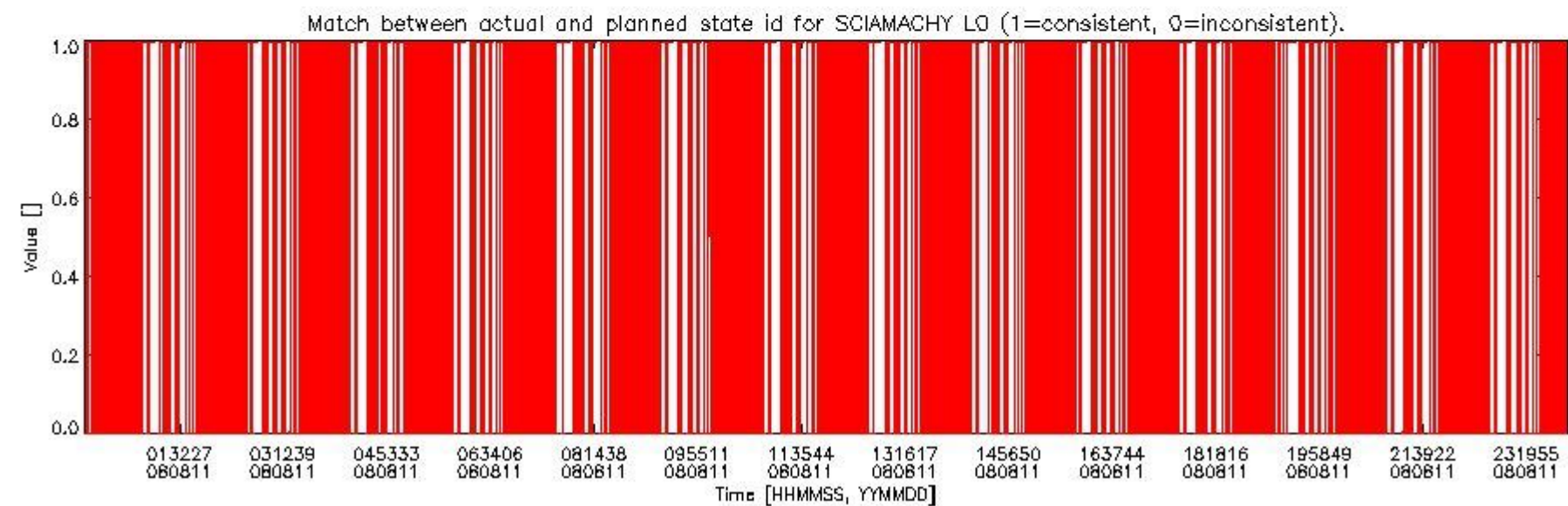
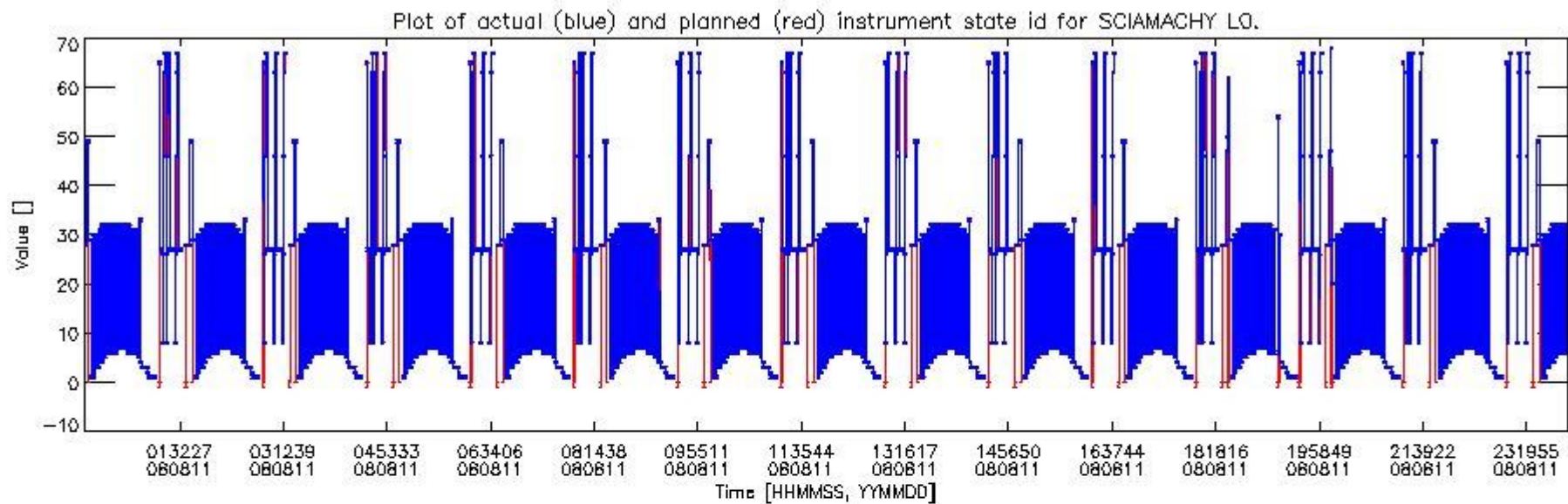


### 0.3 State monitoring

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: **36263**

#	Actual time	Actual value	Planned time	Planned value
0	11AUG2008 00:01:29.576782	49	11AUG2008 00:01:29.576782	28
1	11AUG2008 00:01:29.764309	49	11AUG2008 00:01:29.764309	28
2	11AUG2008 00:01:29.826791	49	11AUG2008 00:01:29.826791	28
3	11AUG2008 00:01:29.889313	49	11AUG2008 00:01:29.889313	28
4	11AUG2008 00:01:29.951795	49	11AUG2008 00:01:29.951795	28
5	11AUG2008 00:01:30.014277	49	11AUG2008 00:01:30.014277	28
6	11AUG2008 00:01:30.076800	49	11AUG2008 00:01:30.076800	28
7	11AUG2008 00:01:30.139282	49	11AUG2008 00:01:30.139282	28
8	11AUG2008 00:01:30.201804	49	11AUG2008 00:01:30.201804	28
9	11AUG2008 00:01:30.264286	49	11AUG2008 00:01:30.264286	28
10	11AUG2008 00:01:30.326808	49	11AUG2008 00:01:30.326808	28
11	11AUG2008 00:01:30.389290	49	11AUG2008 00:01:30.389290	28
12	11AUG2008 00:01:30.451813	49	11AUG2008 00:01:30.451813	28
13	11AUG2008 00:01:30.514295	49	11AUG2008 00:01:30.514295	28
14	11AUG2008 00:01:30.576777	49	11AUG2008 00:01:30.576777	28
15	11AUG2008 00:01:30.639299	49	11AUG2008 00:01:30.639299	28
16	11AUG2008 00:01:30.701781	49	11AUG2008 00:01:30.701781	28
17	11AUG2008 00:01:30.764304	49	11AUG2008 00:01:30.764304	28
18	11AUG2008 00:01:30.826786	49	11AUG2008 00:01:30.826786	28
19	11AUG2008 00:01:30.889308	49	11AUG2008 00:01:30.889308	28
	...	...	...	...

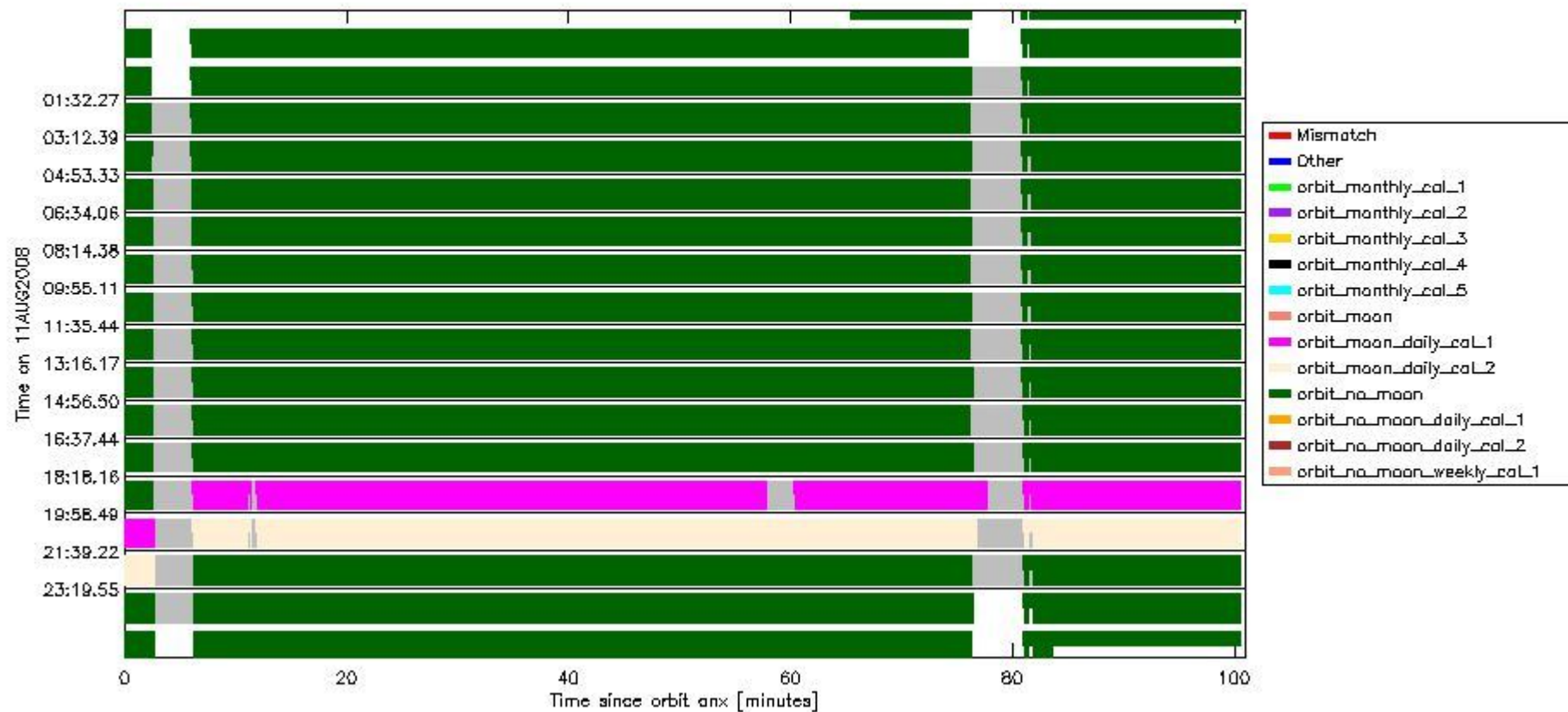


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080811\_5.PNG

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 11AUG2008.  
 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\_20080811\_6.PNG

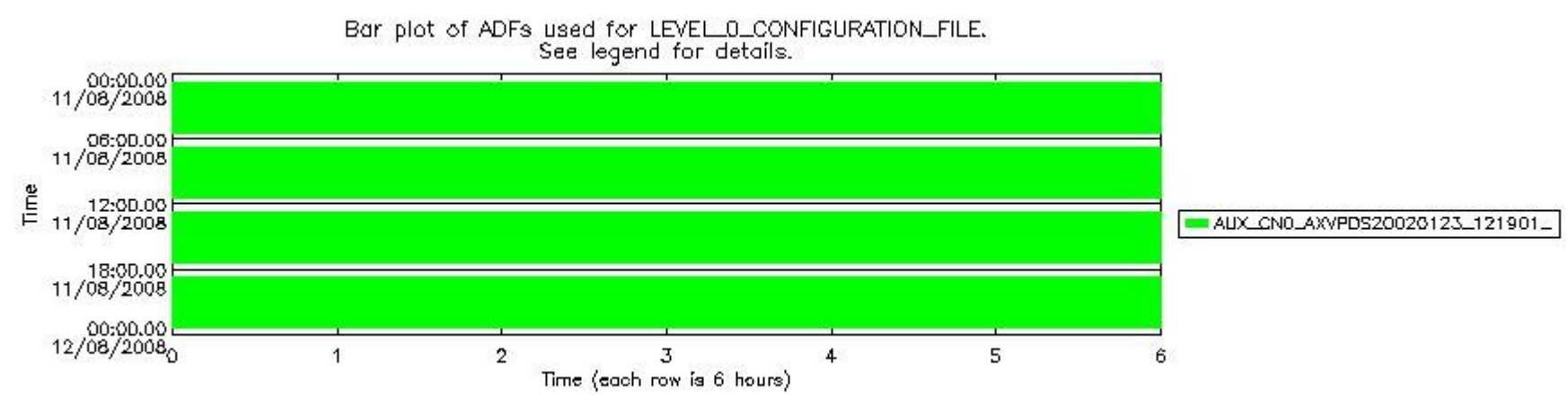
## 0.4 ADF monitoring

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

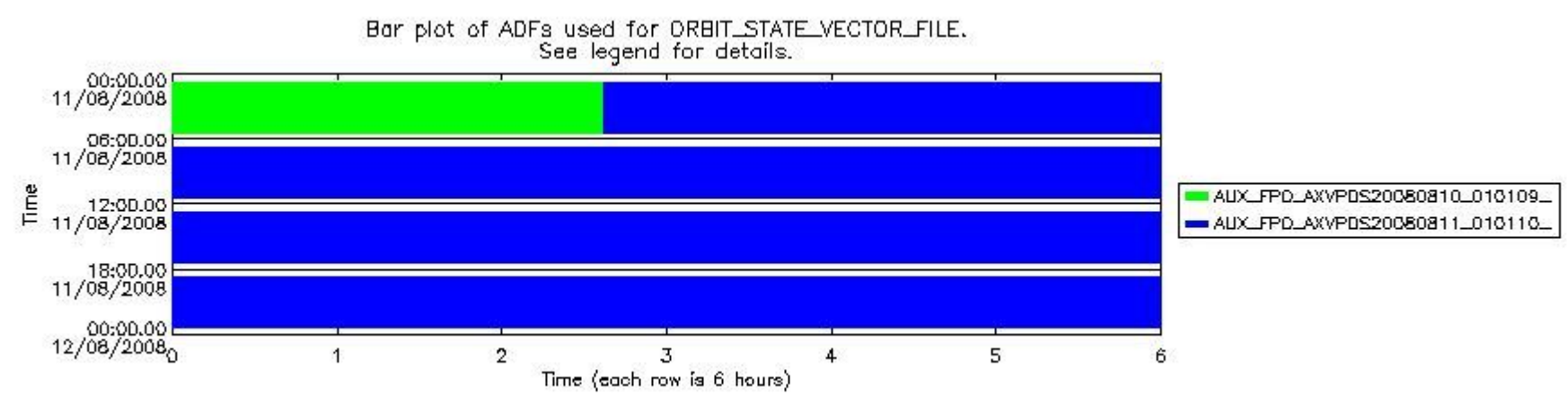
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

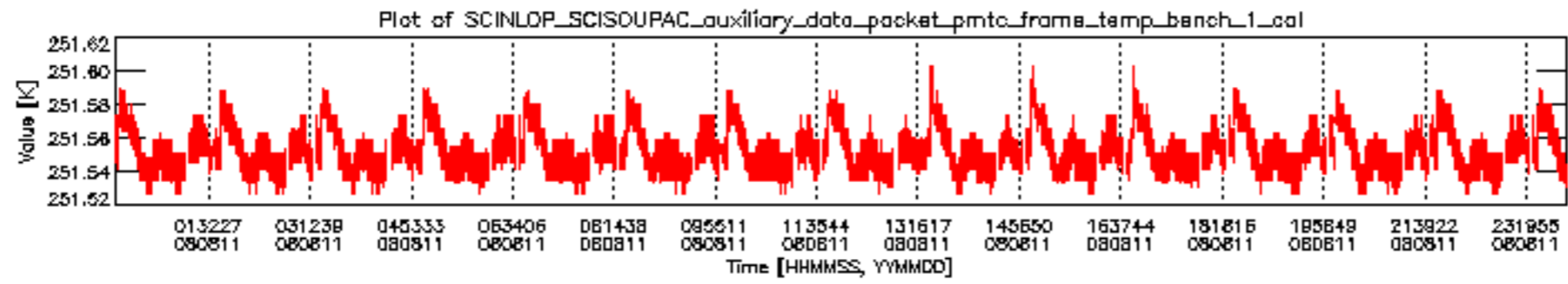
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20080810_010109_20080809_192126_20080819_204739</b>
2	<b>AUX_FPO_AXVPDS20080811_010110_20080810_184949_20080820_201602</b>



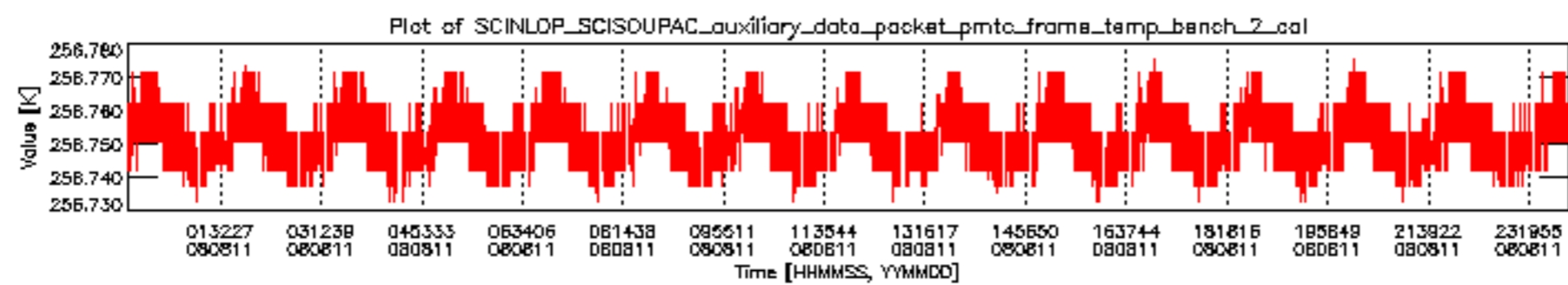
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080811\_7.PNG

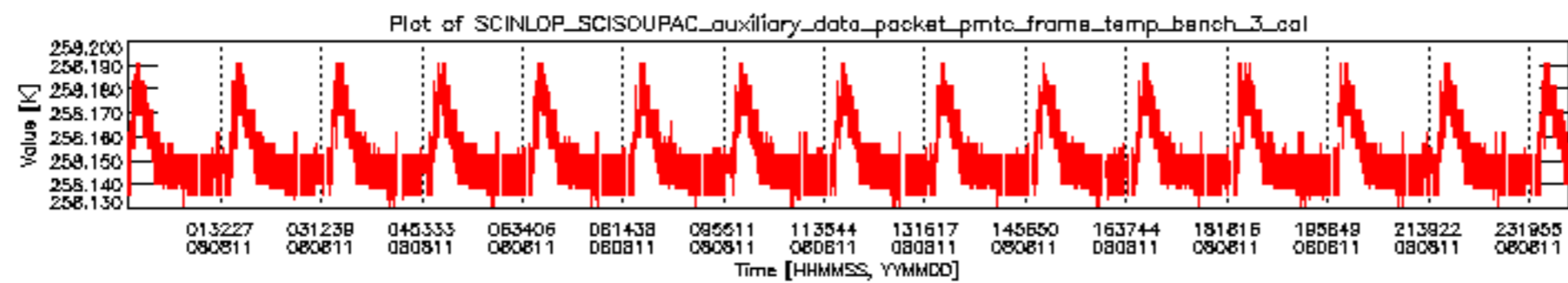


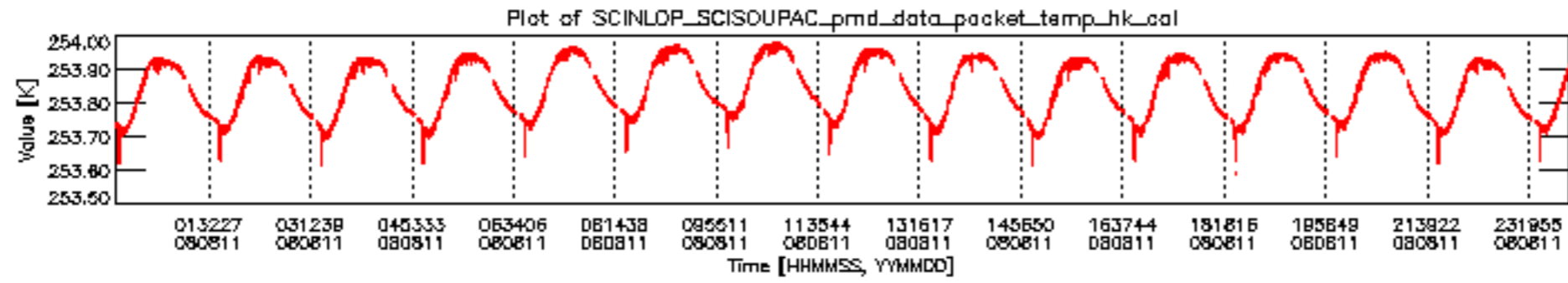
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080811\_8.PNG

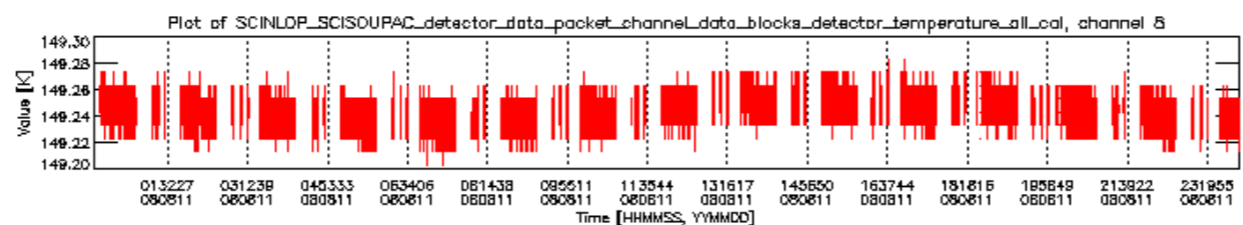
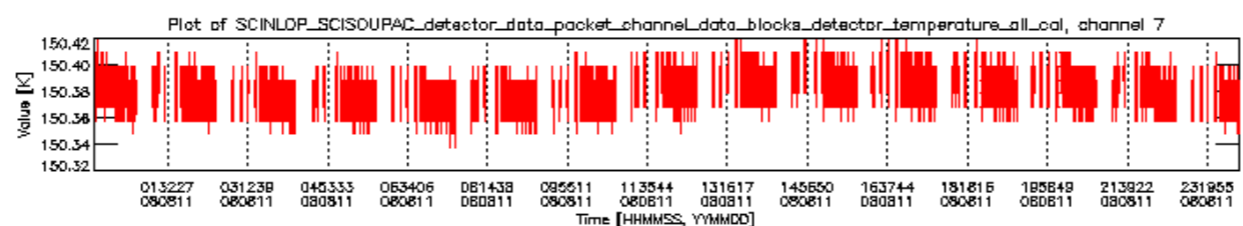
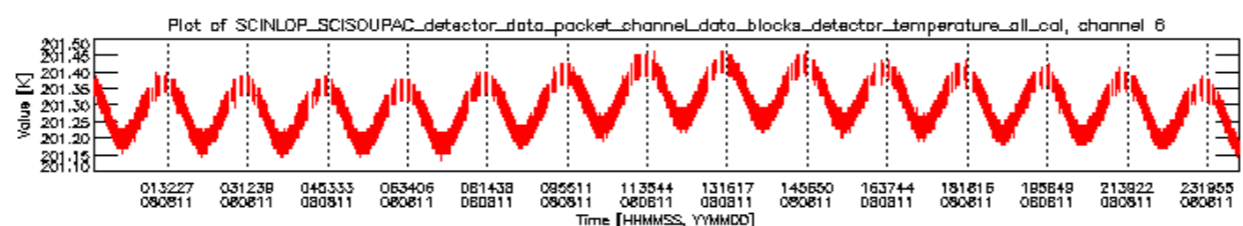
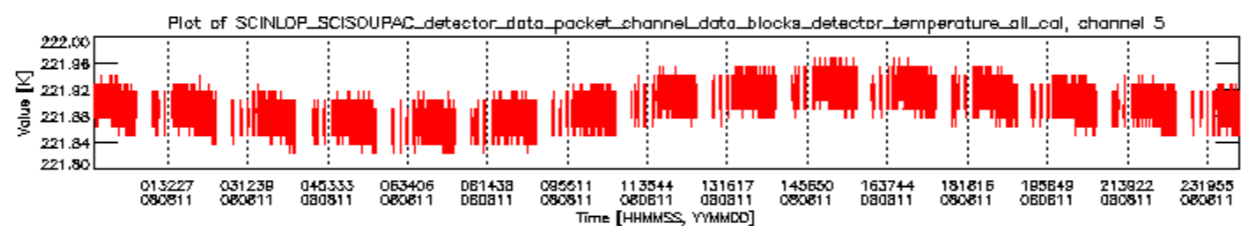
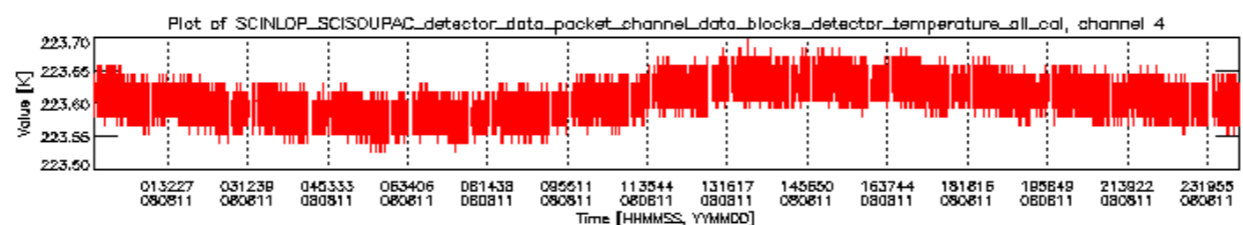
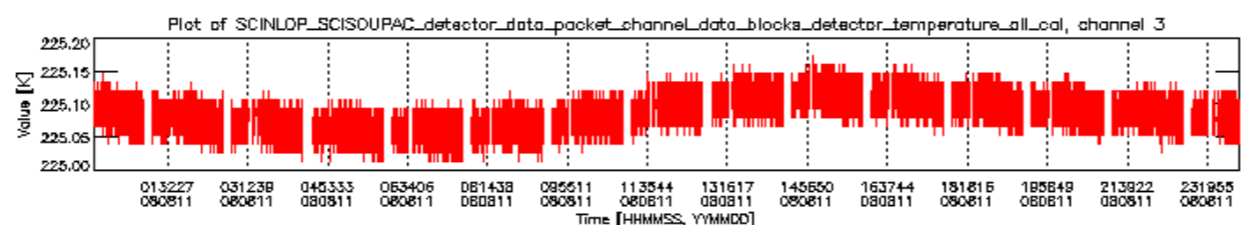
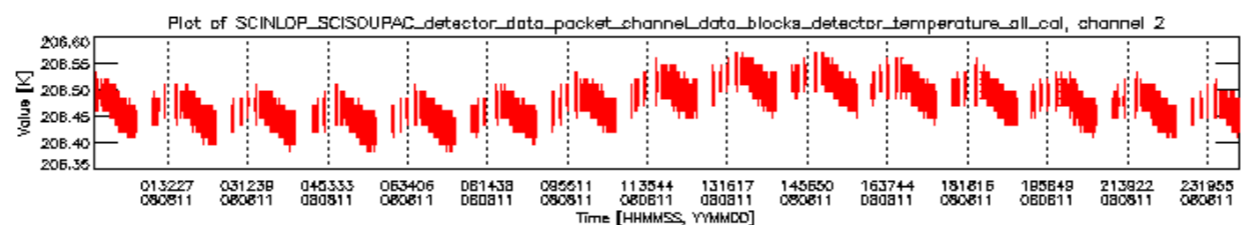
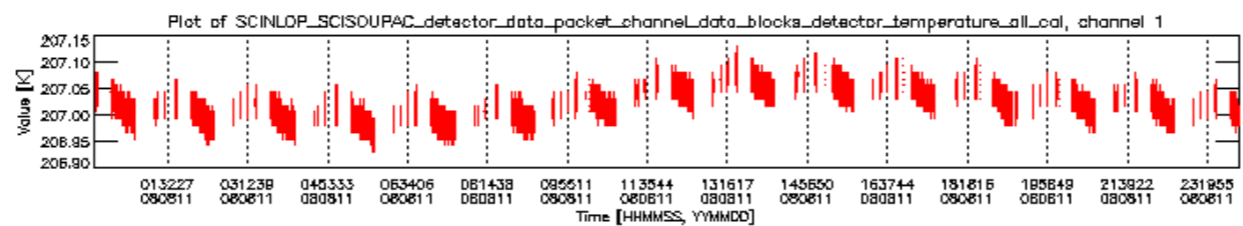


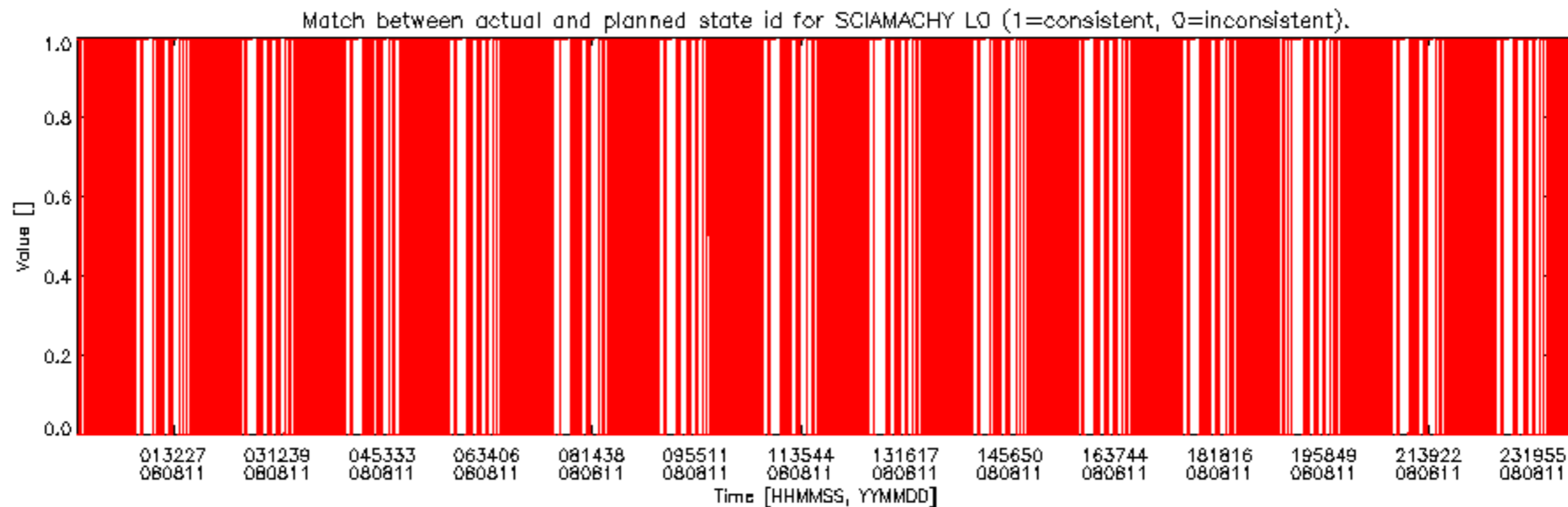
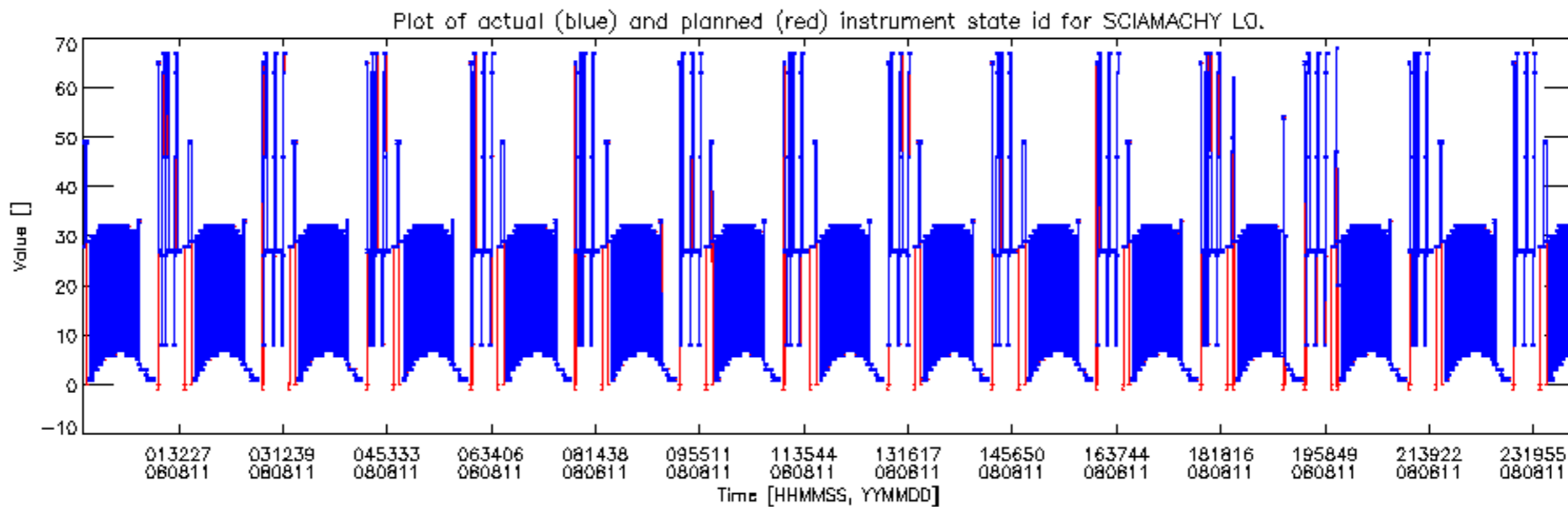












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 11AUG2008.  
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