

# 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	12AUG2008 04:57:20
Data source version	KSPT_L0/4303-N
Processing scope for products	08AUG2008 00:00:00 to 09AUG2008 00:00:00
Start time of first product within scope	07AUG2008 23:33:51
Stop time of last product within scope	09AUG2008 00:43:37
Total number of level 0 products	16
Number of level 0 products with errors	0

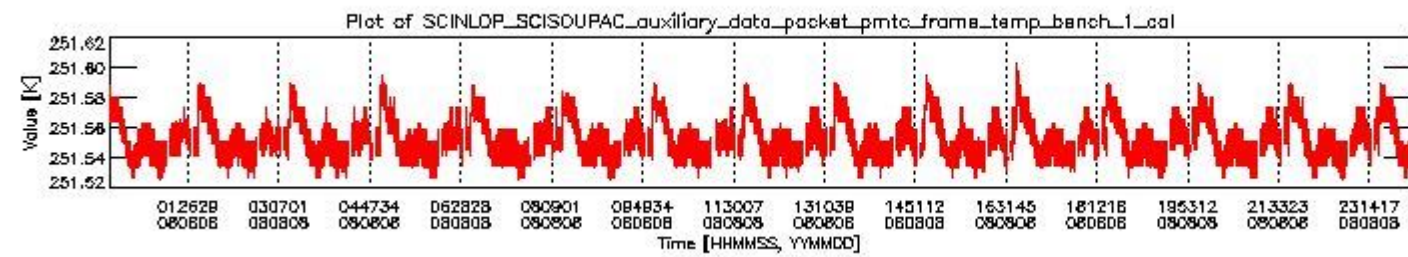
### 0.1.2 Summary per product

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

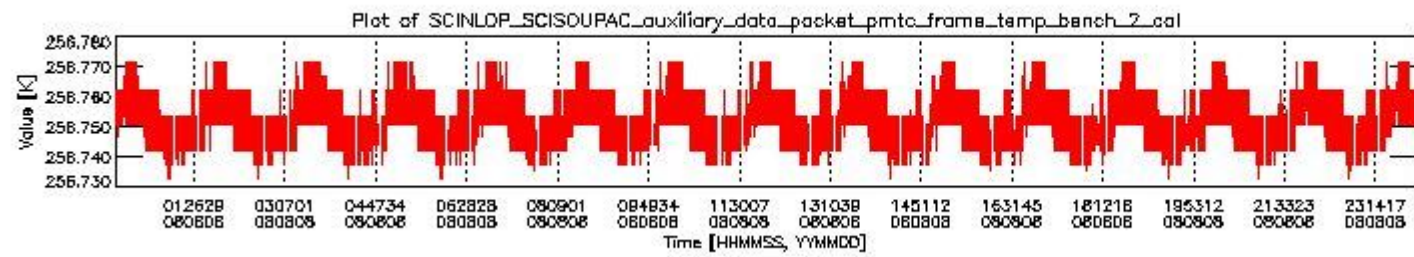
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080807_233351_000059902071_00044_33665_7267.N1	07AUG2008 23:33:51	08AUG2008 01:13:40	0	0	0	0	0
1	SCI_NL__OPNPDE20080808_011256_000046942071_00045_33666_7268.N1	08AUG2008 01:12:56	08AUG2008 02:31:10	0	0	0	0	0
2	SCI_NL__OPNPDE20080808_023110_000058312071_00046_33667_7269.N1	08AUG2008 02:31:10	08AUG2008 04:08:20	0	0	0	0	0
3	SCI_NL__OPNPDE20080808_040725_000060362071_00047_33668_7270.N1	08AUG2008 04:07:25	08AUG2008 05:48:01	0	0	0	0	0
4	SCI_NL__OPNPDK20080808_054801_000041702071_00048_33669_8981.N1	08AUG2008 05:48:01	08AUG2008 06:57:31	0	0	0	0	0
5	SCI_NL__OPNPDK20080808_065731_000061052071_00049_33670_8982.N1	08AUG2008 06:57:31	08AUG2008 08:39:16	0	0	0	0	0
6	SCI_NL__OPNPDK20080808_083807_000059682071_00050_33671_8983.N1	08AUG2008 08:38:07	08AUG2008 10:17:35	0	0	0	0	0
7	SCI_NL__OPNPDK20080808_101735_000059242071_00051_33672_8984.N1	08AUG2008 10:17:35	08AUG2008 11:56:19	0	0	0	0	0
8	SCI_NL__OPNPDK20080808_115619_000060242071_00052_33673_8985.N1	08AUG2008 11:56:19	08AUG2008 13:36:43	0	0	0	0	0
9	SCI_NL__OPNPDK20080808_133547_000059122071_00053_33674_8986.N1	08AUG2008 13:35:47	08AUG2008 15:14:19	0	0	0	0	0
10	SCI_NL__OPNPDK20080808_151419_000057872071_00054_33675_8987.N1	08AUG2008 15:14:19	08AUG2008 16:50:46	0	0	0	0	0
11	SCI_NL__OPNPDK20080808_164938_000059992071_00055_33676_8988.N1	08AUG2008 16:49:38	08AUG2008 18:29:36	0	0	0	0	0
12	SCI_NL__OPNPDK20080808_182732_000060362071_00056_33677_8989.N1	08AUG2008 18:27:32	08AUG2008 20:08:08	0	0	0	0	0
13	SCI_NL__OPNPDE20080808_200617_000045242071_00057_33678_7271.N1	08AUG2008 20:06:17	08AUG2008 21:21:40	0	0	0	0	0
14	SCI_NL__OPNPDE20080808_212012_000061602071_00057_33678_7272.N1	08AUG2008 21:20:12	08AUG2008 23:02:53	0	0	0	0	0
15	SCI_NL__OPNPDE20080808_230219_000060782071_00058_33679_7273.N1	08AUG2008 23:02:19	09AUG2008 00:43:37	0	0	0	0	0

## 0.2 Product Quality Indicators

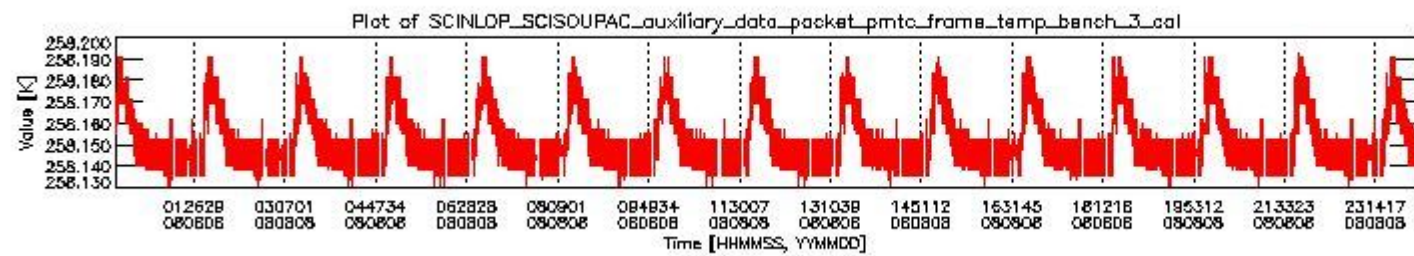
This section shows information about product quality, currently temperatures.



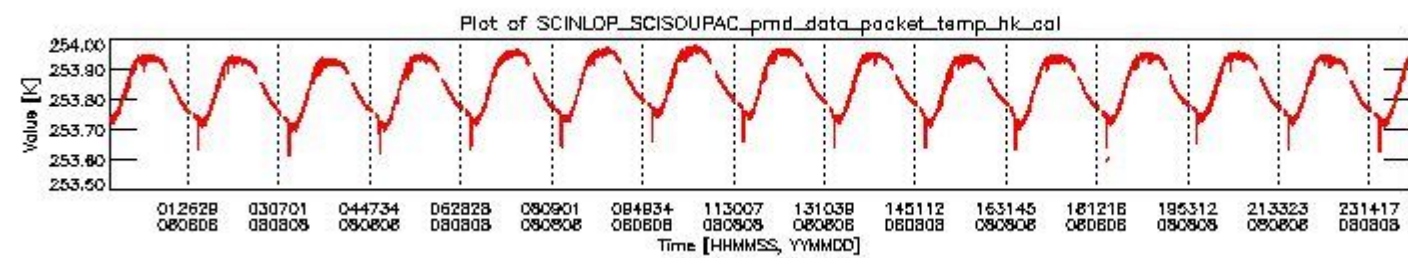
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080808\_0.PNG



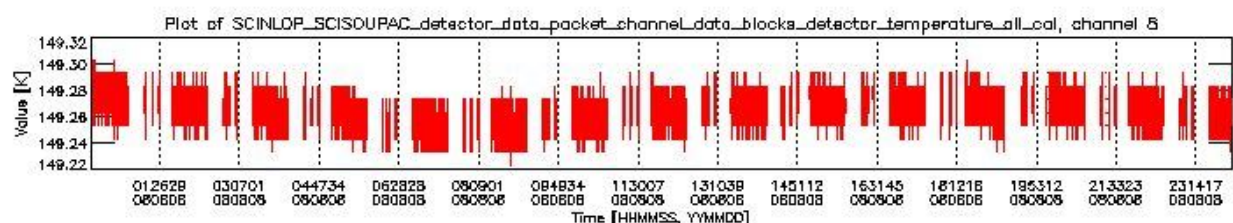
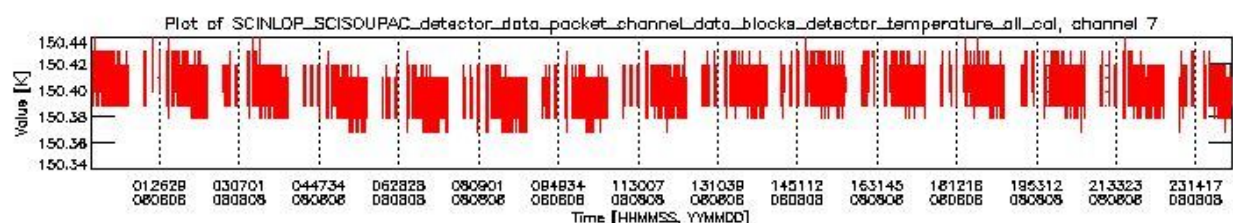
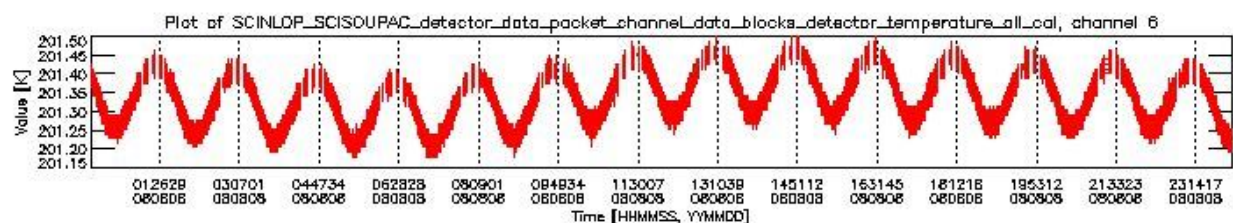
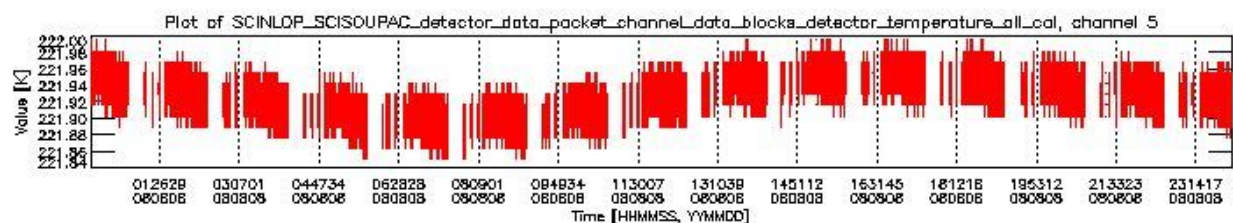
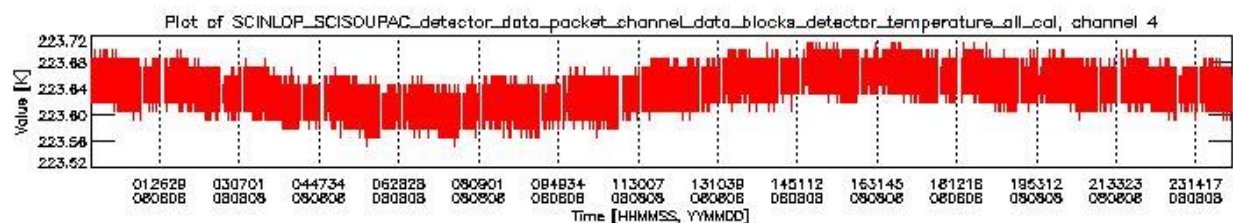
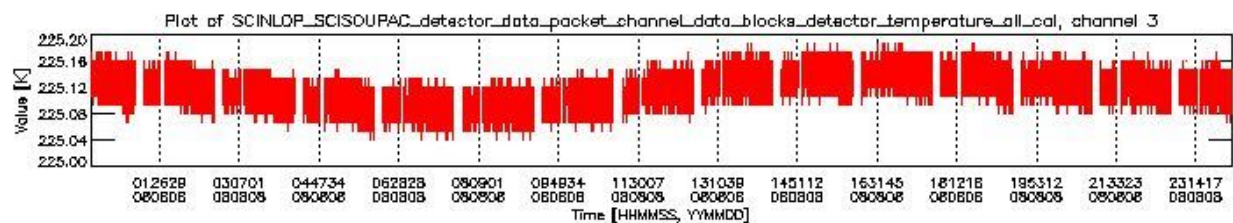
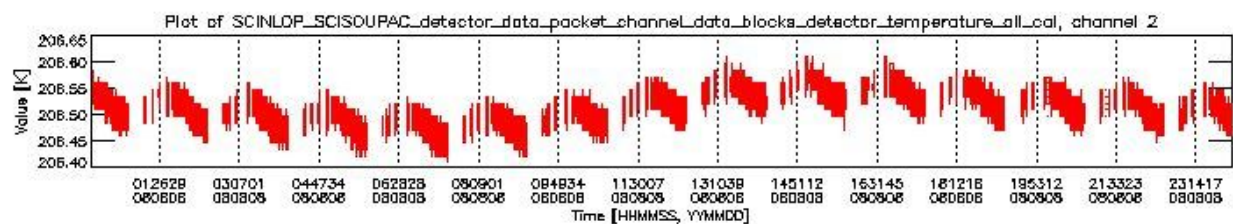
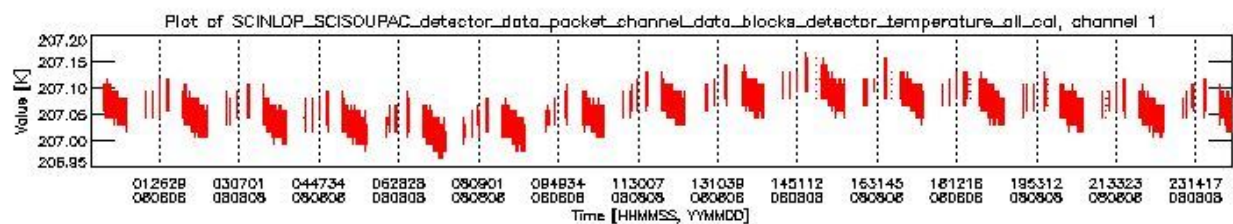
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080808\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080808\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080808\_3.PNG

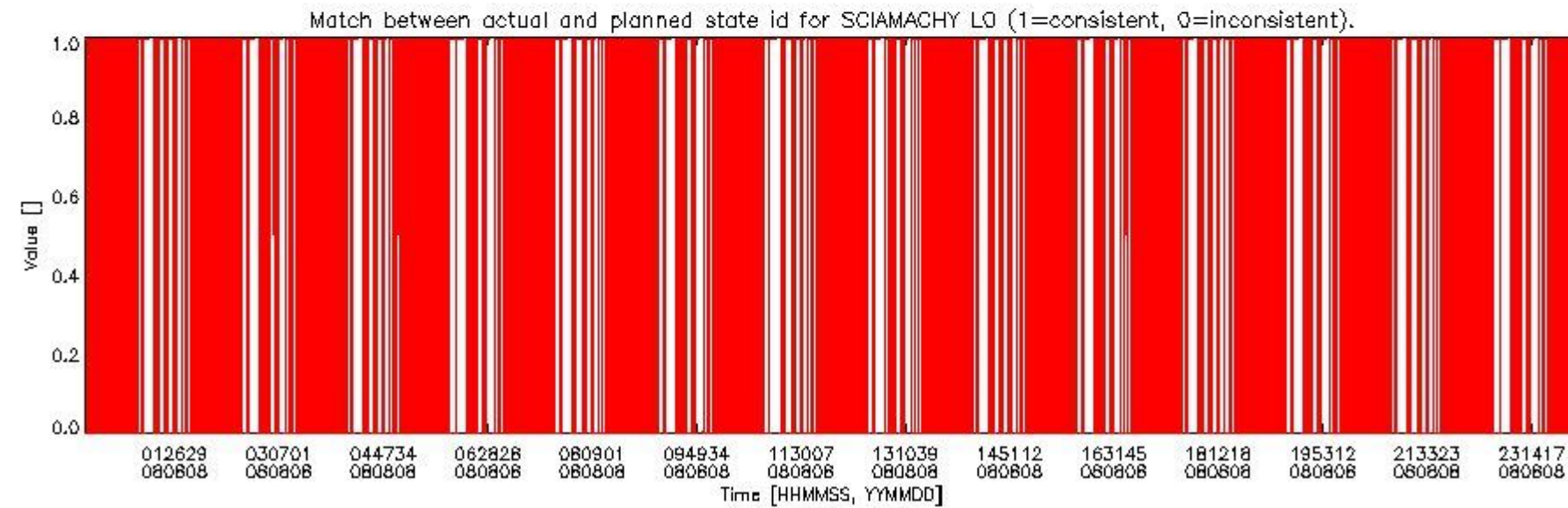
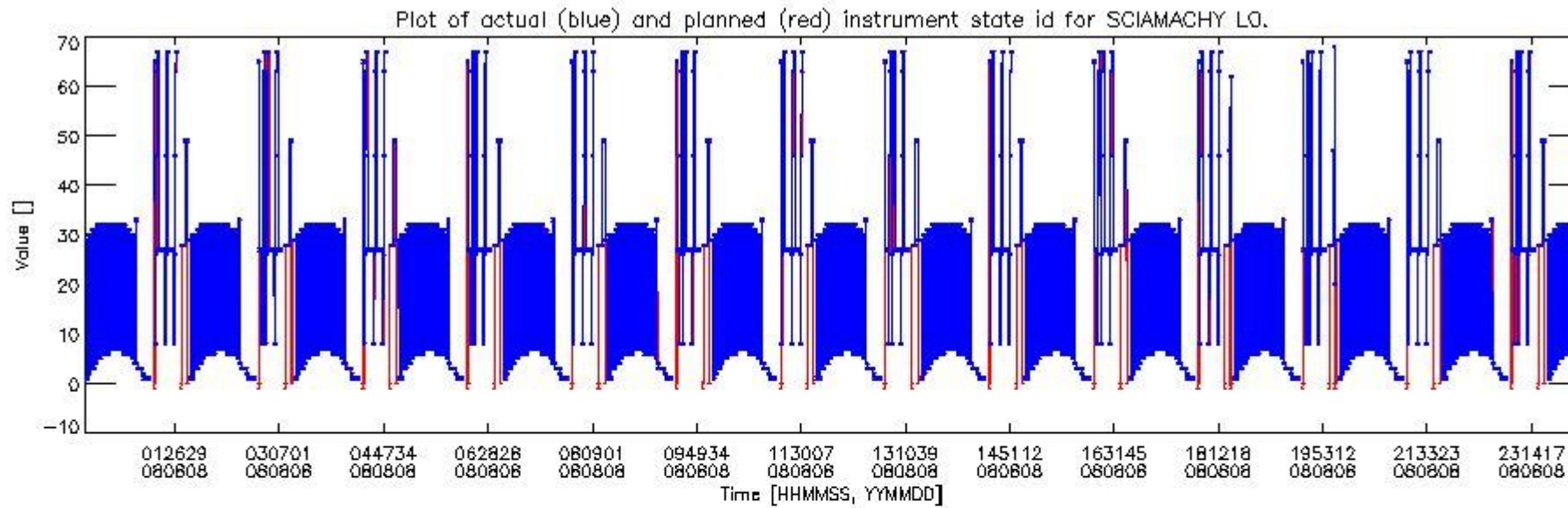


### 0.3 State monitoring

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: **34981**

#	Actual time	Actual value	Planned time	Planned value
0	08AUG2008 00:01:31.054143	1	08AUG2008 00:01:31.054143	29
1	08AUG2008 00:01:31.304152	1	08AUG2008 00:01:31.304152	29
2	08AUG2008 00:01:31.429156	1	08AUG2008 00:01:31.429156	29
3	08AUG2008 00:01:31.554160	1	08AUG2008 00:01:31.554160	29
4	08AUG2008 00:01:31.679165	1	08AUG2008 00:01:31.679165	29
5	08AUG2008 00:01:31.804169	1	08AUG2008 00:01:31.804169	29
6	08AUG2008 00:01:31.929173	1	08AUG2008 00:01:31.929173	29
7	08AUG2008 00:01:32.054178	1	08AUG2008 00:01:32.054178	29
8	08AUG2008 00:01:32.179142	1	08AUG2008 00:01:32.179142	29
9	08AUG2008 00:01:32.304146	1	08AUG2008 00:01:32.304146	29
10	08AUG2008 00:01:32.429151	1	08AUG2008 00:01:32.429151	29
11	08AUG2008 00:01:32.554155	1	08AUG2008 00:01:32.554155	29
12	08AUG2008 00:01:32.679159	1	08AUG2008 00:01:32.679159	29
13	08AUG2008 00:01:32.804164	1	08AUG2008 00:01:32.804164	29
14	08AUG2008 00:01:32.929168	1	08AUG2008 00:01:32.929168	29
15	08AUG2008 00:01:33.054172	1	08AUG2008 00:01:33.054172	29
16	08AUG2008 00:01:33.179177	1	08AUG2008 00:01:33.179177	29
17	08AUG2008 00:01:33.304141	1	08AUG2008 00:01:33.304141	29
18	08AUG2008 00:01:33.429145	1	08AUG2008 00:01:33.429145	29
19	08AUG2008 00:01:33.554150	1	08AUG2008 00:01:33.554150	29
...	...	...	...	...

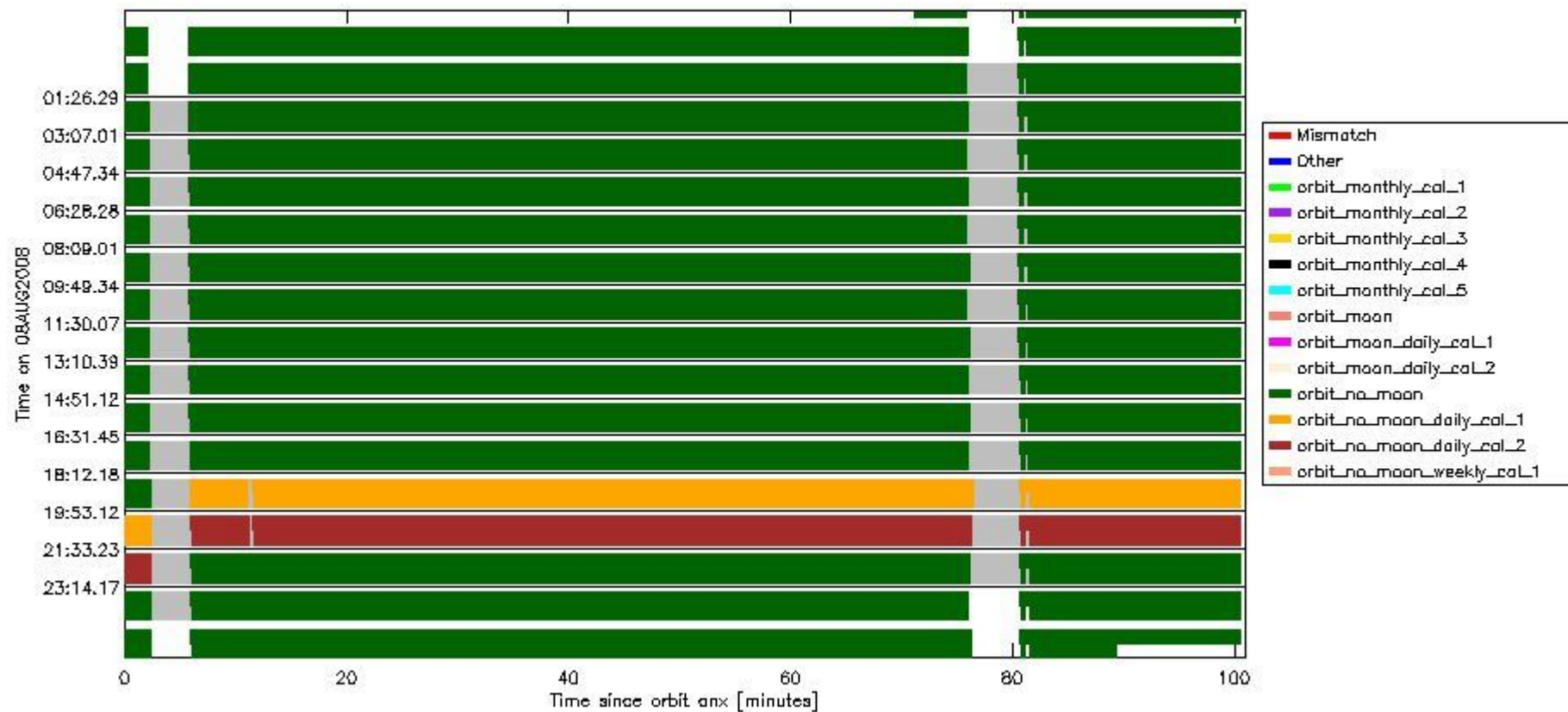


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080808\_5.PNG

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 08AUG2008.  
 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\_20080808\_6.PNG

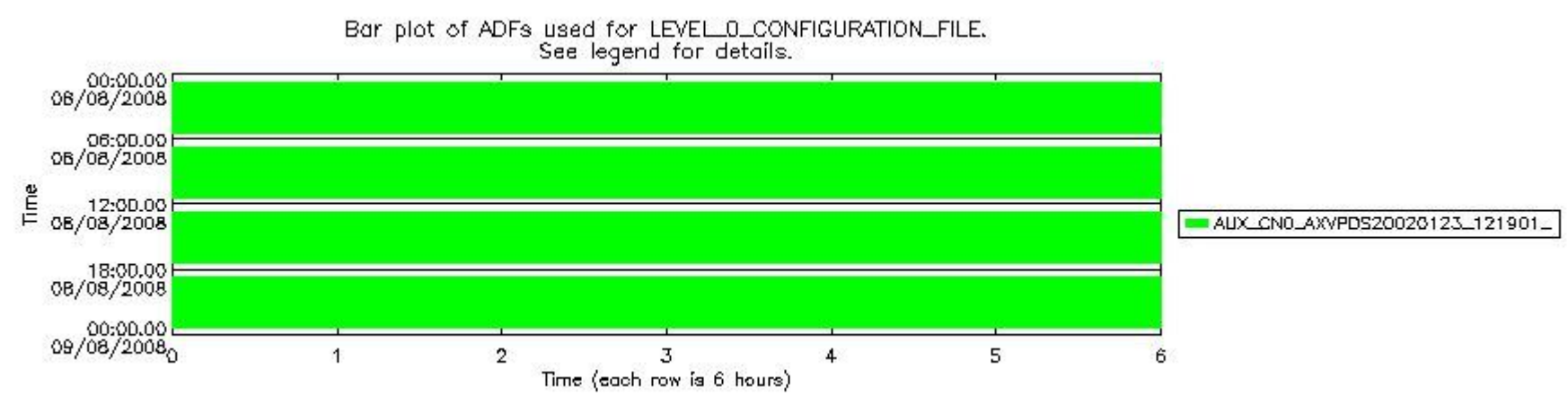
## 0.4 ADF monitoring

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

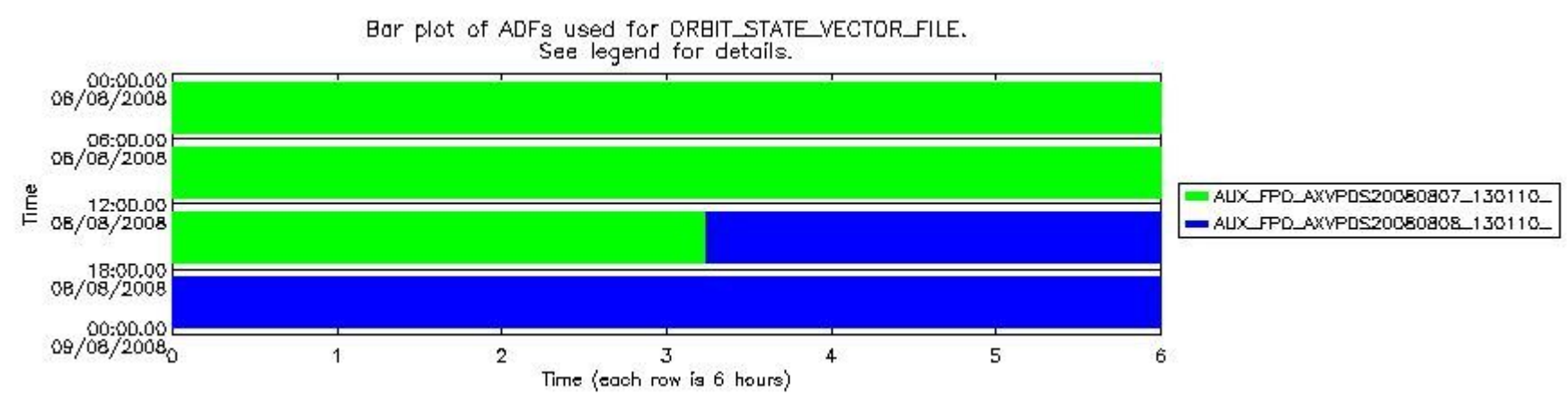
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

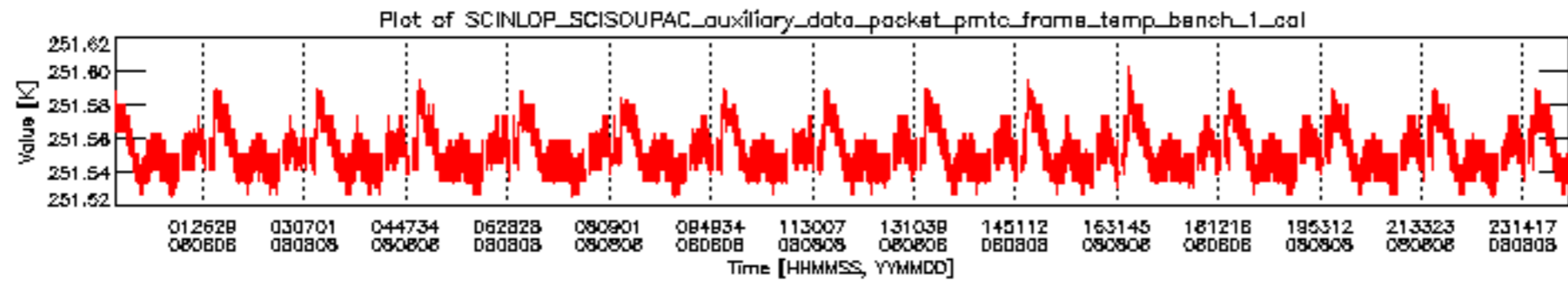
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20080807_130110_20080806_191541_20080816_204154</b>
2	<b>AUX_FPO_AXVPDS20080808_130110_20080807_184404_20080817_201017</b>



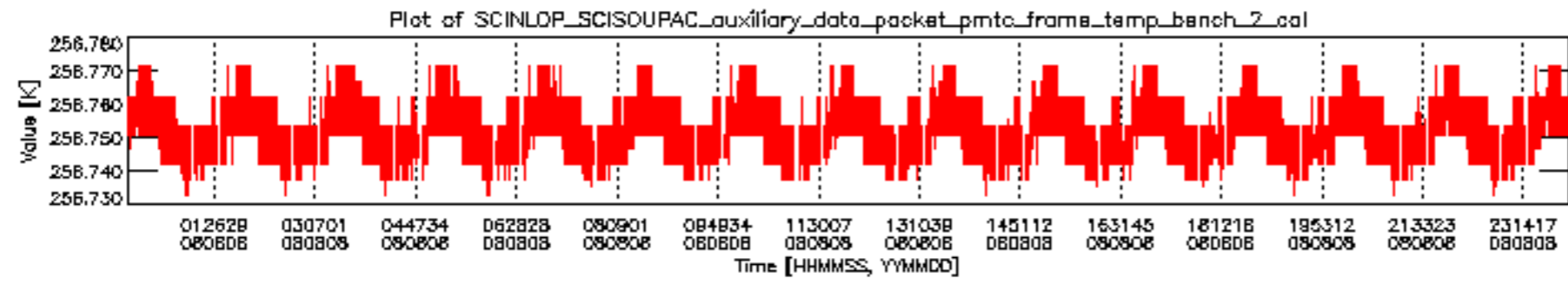
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080808\_7.PNG

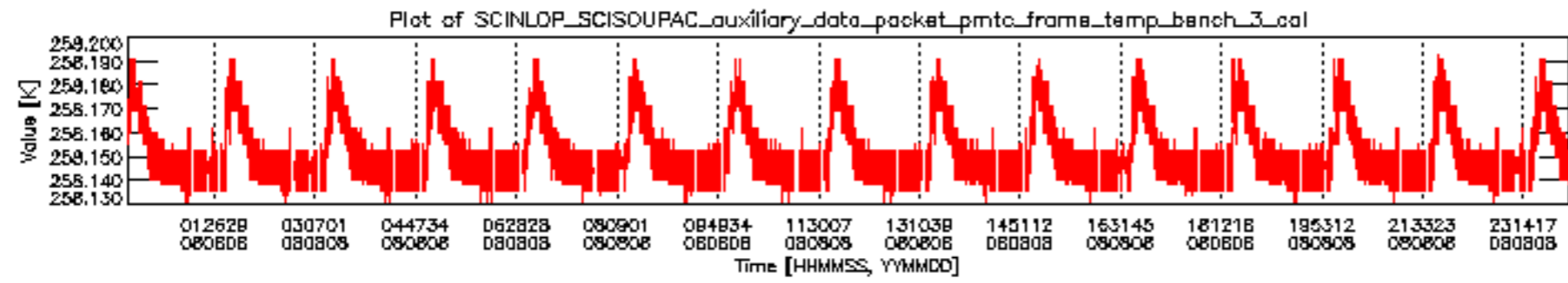


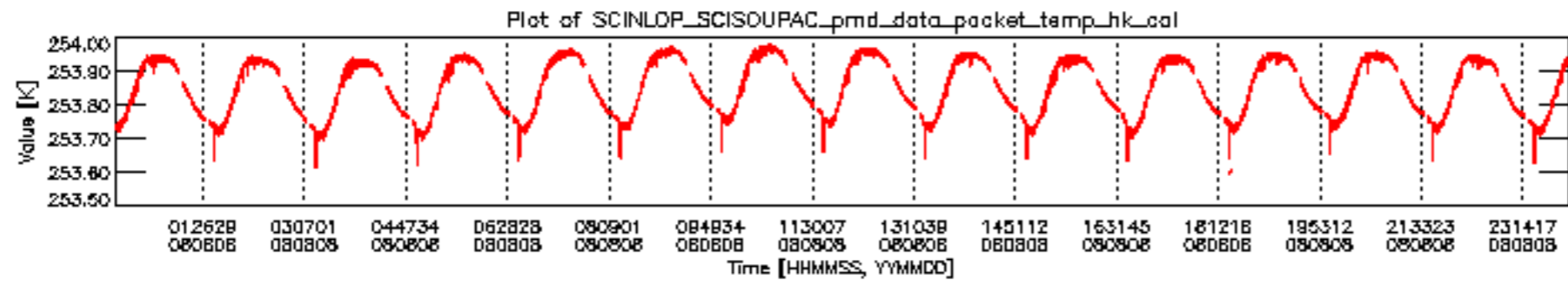
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080808\_8.PNG

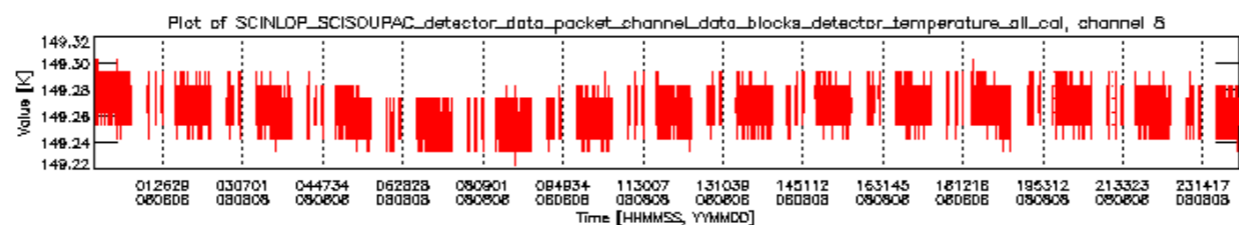
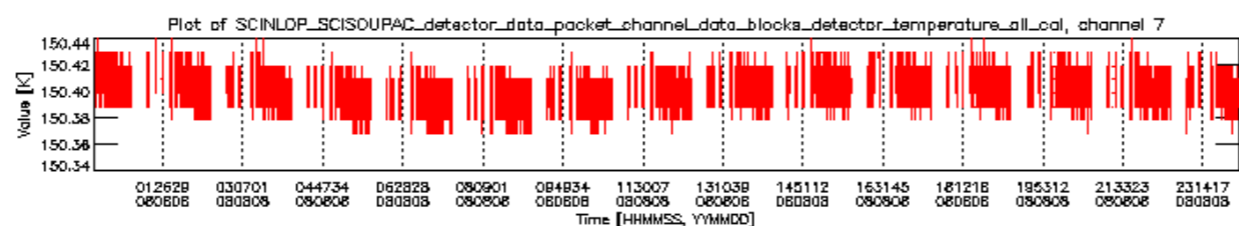
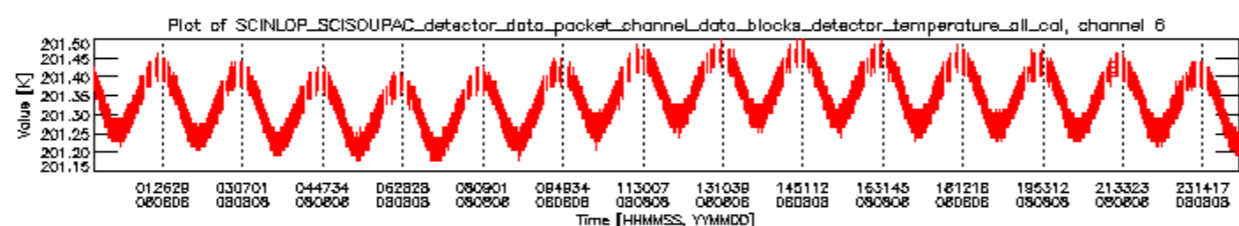
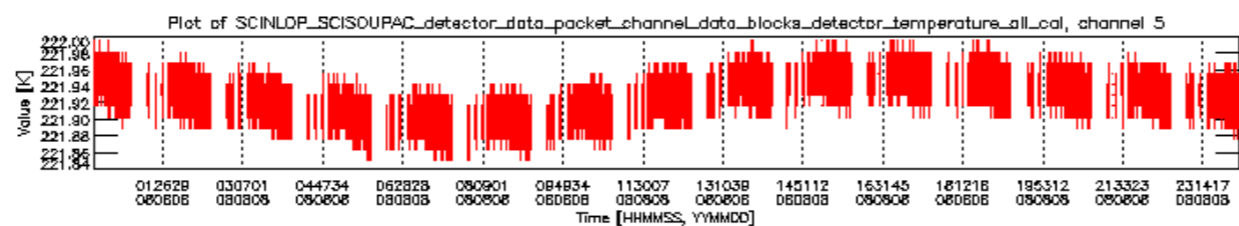
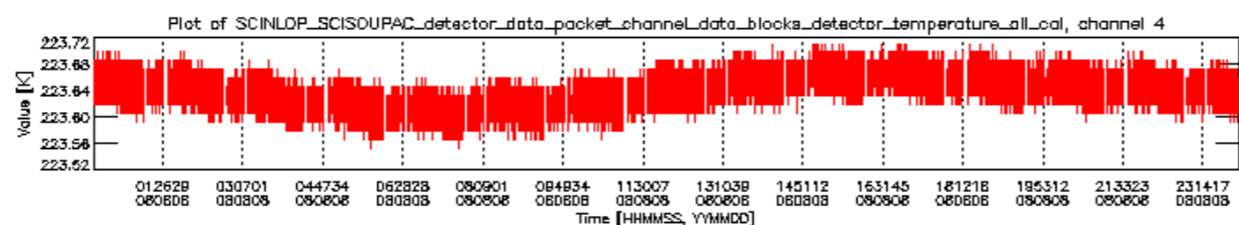
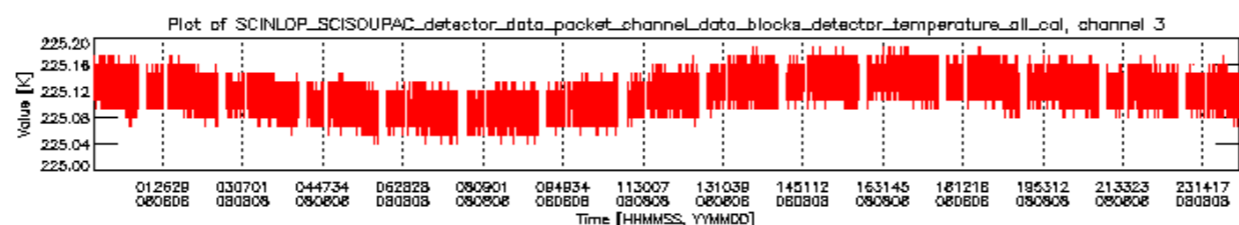
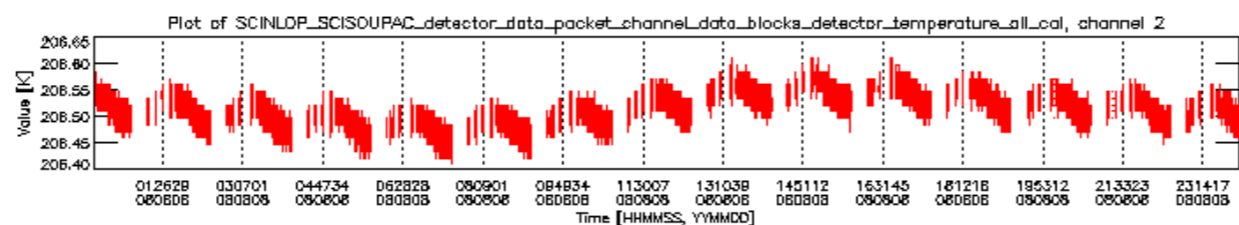
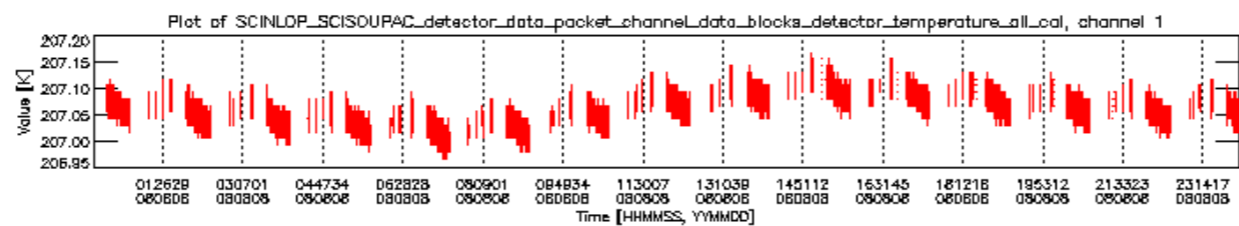














Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 08AUG2008.  
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