

## 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	22JAN2008 10:35:19
Data source version	KSPT_L0/4303-N
Processing scope for products	18JAN2008 00:00:00 to 19JAN2008 00:00:00
Start time of first product within scope	17JAN2008 23:18:21
Stop time of last product within scope	19JAN2008 00:21:55
Total number of level 0 products	16
Number of level 0 products with errors	0

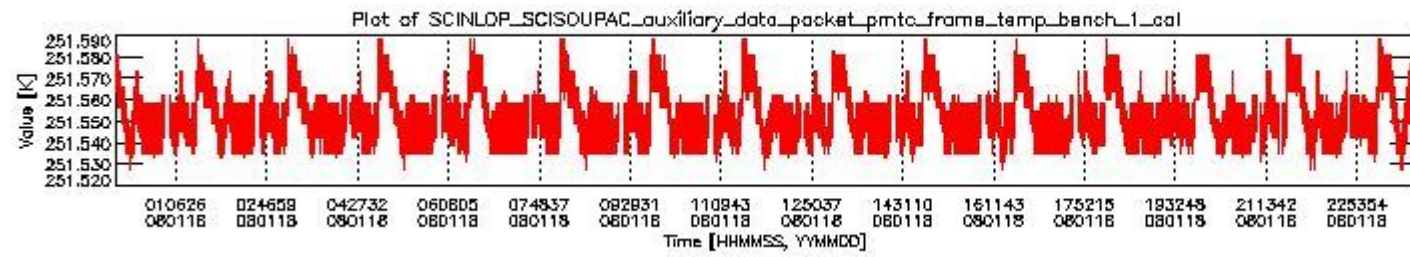
### 0.1.2 Summary per product

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

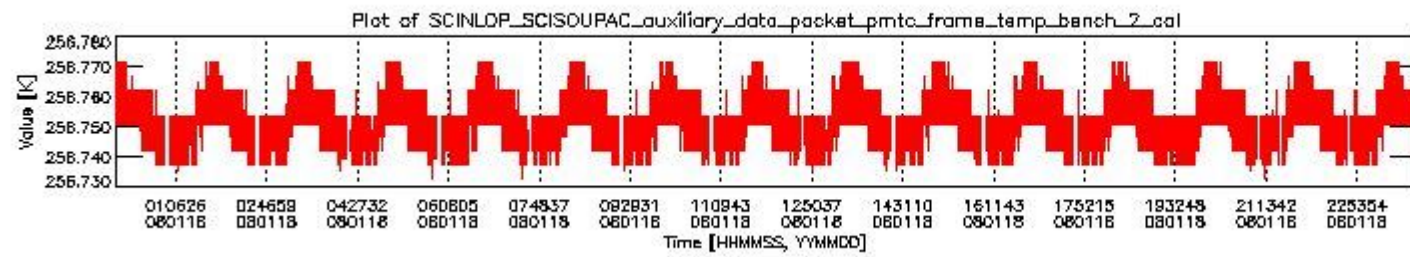
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080117_231821_000056112065_00144_30759_5955.N1	17JAN2008 23:18:21	18JAN2008 00:51:52	0	0	0	0	0
1	SCI_NL__OPNPDE20080118_005857_000042902065_00145_30760_5956.N1	18JAN2008 00:58:57	18JAN2008 02:10:27	0	0	0	0	0
2	SCI_NL__OPNPDE20080118_021027_000058552065_00146_30761_5957.N1	18JAN2008 02:10:27	18JAN2008 03:48:02	0	0	0	0	0
3	SCI_NL__OPNPDE20080118_034706_000060232065_00147_30762_5958.N1	18JAN2008 03:47:06	18JAN2008 05:27:29	0	0	0	0	0
4	SCI_NL__OPNPDE20080118_052729_000061042065_00148_30763_5959.N1	18JAN2008 05:27:29	18JAN2008 07:09:14	0	0	0	0	0
5	SCI_NL__OPNPDK20080118_070914_000040452065_00149_30764_7153.N1	18JAN2008 07:09:14	18JAN2008 08:16:38	0	0	0	0	0
6	SCI_NL__OPNPDK20080118_081530_000061732065_00150_30765_7154.N1	18JAN2008 08:15:30	18JAN2008 09:58:22	0	0	0	0	0
7	SCI_NL__OPNPDK20080118_095714_000060362065_00151_30766_7155.N1	18JAN2008 09:57:14	18JAN2008 11:37:49	0	0	0	0	0
8	SCI_NL__OPNPDK20080118_113545_000060362065_00152_30767_7156.N1	18JAN2008 11:35:45	18JAN2008 13:16:21	0	0	0	0	0
9	SCI_NL__OPNPDK20080118_131525_000059242065_00153_30768_7157.N1	18JAN2008 13:15:25	18JAN2008 14:54:09	0	0	0	0	0
10	SCI_NL__OPNPDK20080118_145151_000060362065_00154_30769_7158.N1	18JAN2008 14:51:51	18JAN2008 16:32:26	0	0	0	0	0
11	SCI_NL__OPNPDK20080118_163129_000059802065_00155_30770_7159.N1	18JAN2008 16:31:29	18JAN2008 18:11:09	0	0	0	0	0
12	SCI_NL__OPNPDK20080118_181013_000060362065_00156_30771_7160.N1	18JAN2008 18:10:13	18JAN2008 19:50:49	0	0	0	0	0
13	SCI_NL__OPNPDE20080118_194953_000039092065_00157_30772_5960.N1	18JAN2008 19:49:53	18JAN2008 20:55:02	0	0	0	0	0
14	SCI_NL__OPNPDE20080118_205353_000065152065_00157_30772_5961.N1	18JAN2008 20:53:53	18JAN2008 22:42:28	0	0	0	0	0
15	SCI_NL__OPNPDE20080118_224120_000060352065_00158_30773_5962.N1	18JAN2008 22:41:20	19JAN2008 00:21:55	0	0	0	0	0

## 0.2 Product Quality Indicators

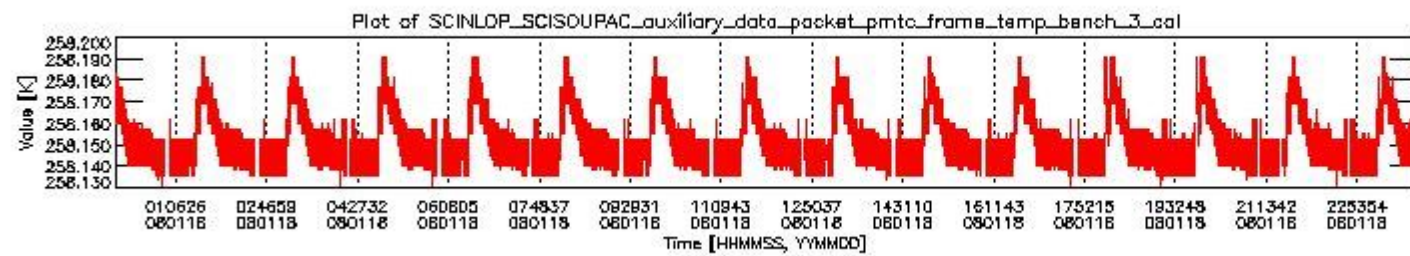
This section shows information about product quality, currently temperatures.



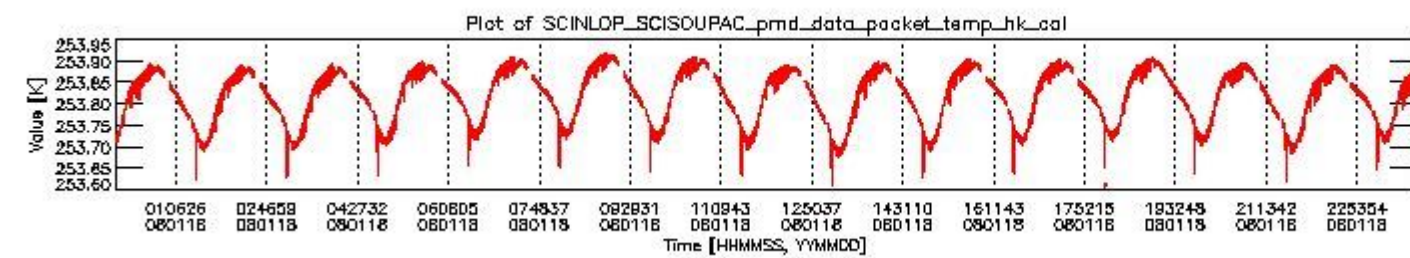
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080118\_0.PNG



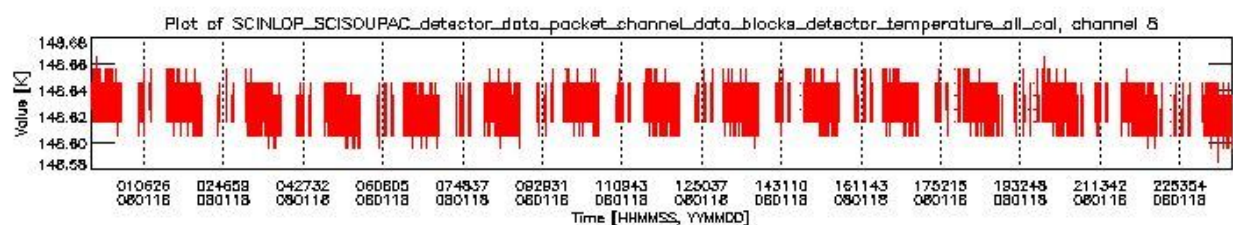
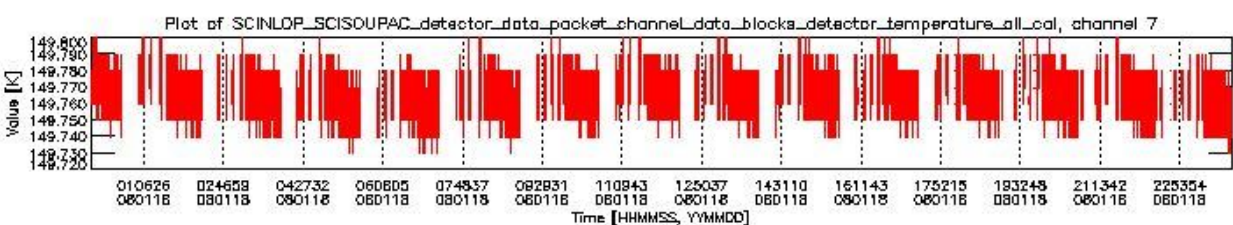
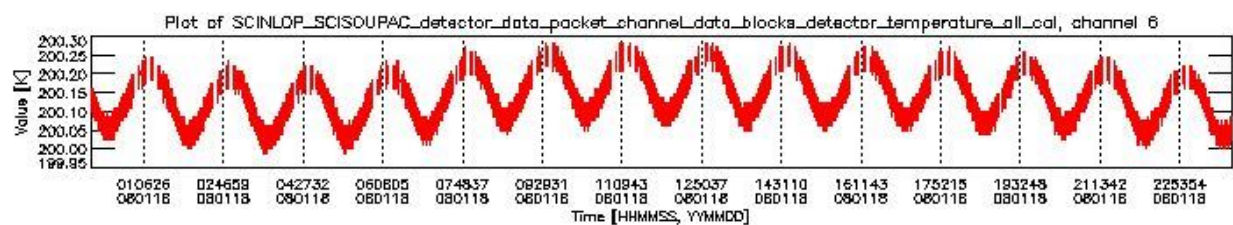
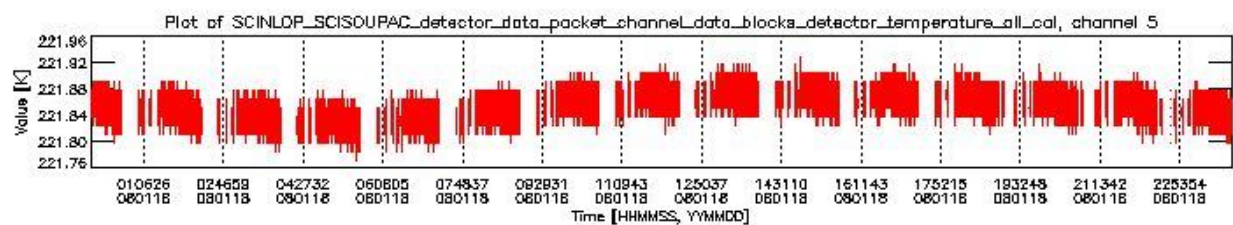
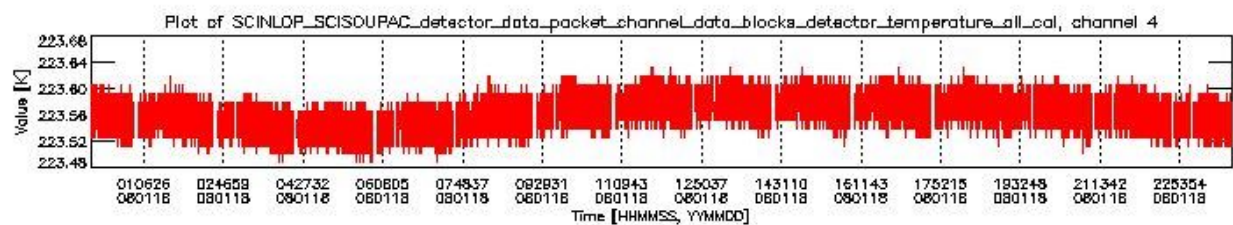
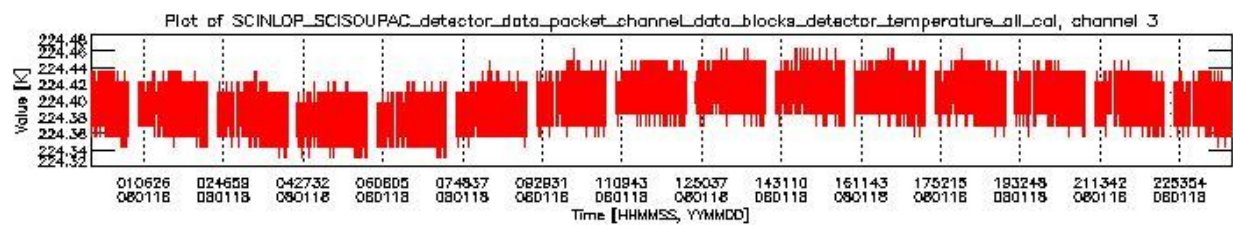
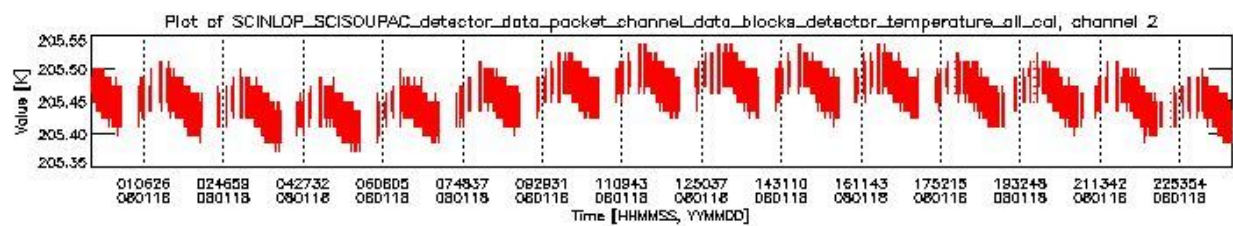
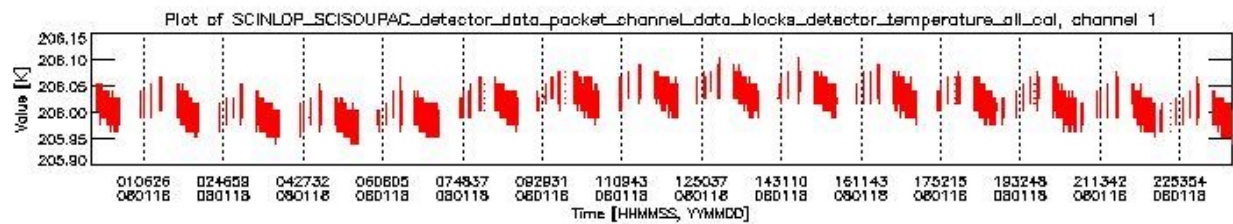
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080118\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080118\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080118\_3.PNG

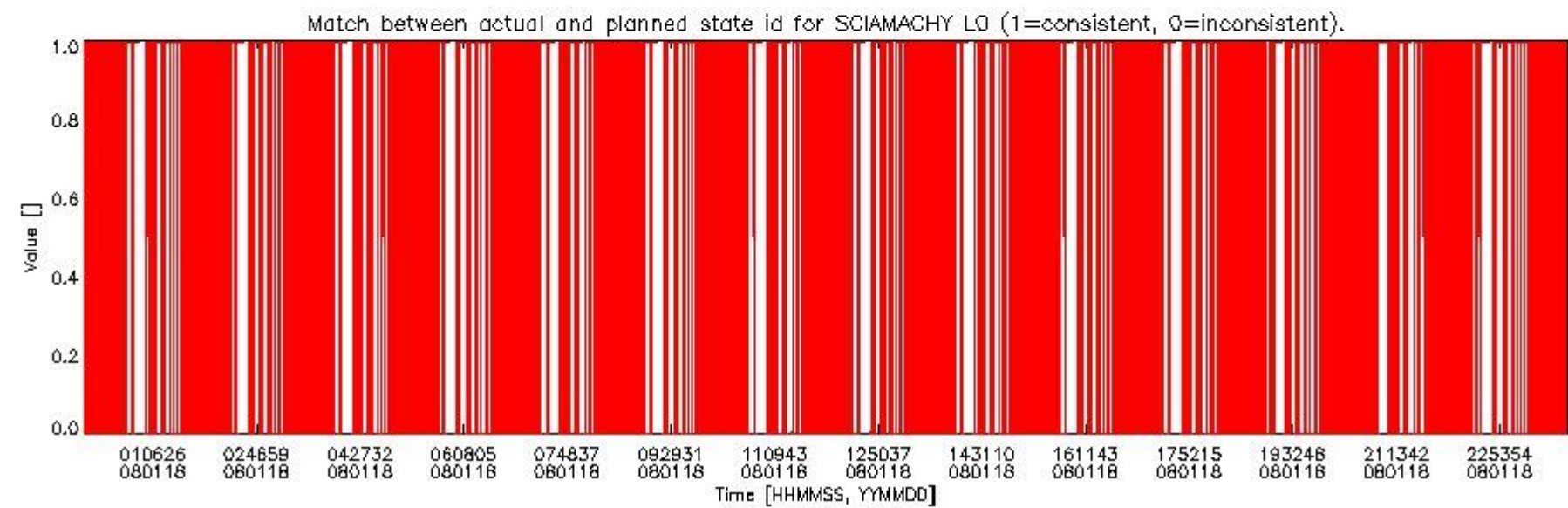
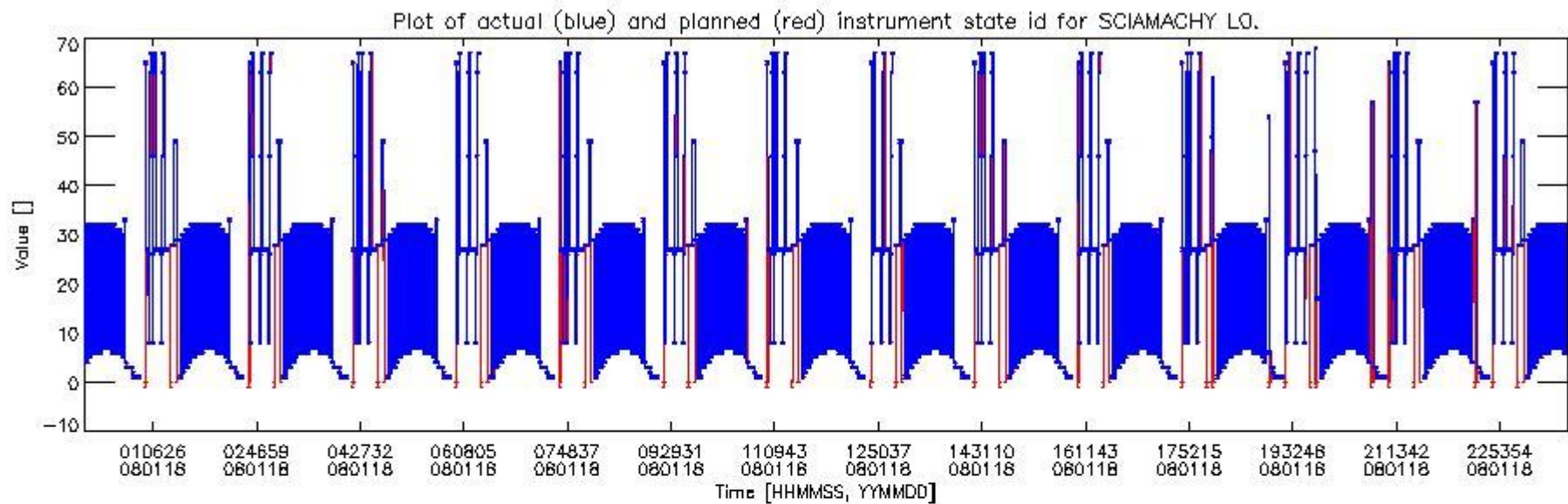


### 0.3 State monitoring

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: **37733**

#	Actual time	Actual value	Planned time	Planned value
0	18JAN2008 00:00:00.122952	4	18JAN2008 00:00:00.122952	31
1	18JAN2008 00:00:00.247957	4	18JAN2008 00:00:00.247957	31
2	18JAN2008 00:00:00.372961	4	18JAN2008 00:00:00.372961	31
3	18JAN2008 00:00:00.497966	4	18JAN2008 00:00:00.497966	31
4	18JAN2008 00:00:00.622970	4	18JAN2008 00:00:00.622970	31
5	18JAN2008 00:00:00.747974	4	18JAN2008 00:00:00.747974	31
6	18JAN2008 00:00:00.872979	4	18JAN2008 00:00:00.872979	31
7	18JAN2008 00:00:00.997983	4	18JAN2008 00:00:00.997983	31
8	18JAN2008 00:00:01.122987	4	18JAN2008 00:00:01.122987	31
9	18JAN2008 00:00:01.247951	4	18JAN2008 00:00:01.247951	31
10	18JAN2008 00:00:01.372956	4	18JAN2008 00:00:01.372956	31
11	18JAN2008 00:00:01.497960	4	18JAN2008 00:00:01.497960	31
12	18JAN2008 00:00:01.622964	4	18JAN2008 00:00:01.622964	31
13	18JAN2008 00:00:01.747969	4	18JAN2008 00:00:01.747969	31
14	18JAN2008 00:00:01.872973	4	18JAN2008 00:00:01.872973	31
15	18JAN2008 00:00:01.997977	4	18JAN2008 00:00:01.997977	31
16	18JAN2008 00:00:02.122982	4	18JAN2008 00:00:02.122982	31
17	18JAN2008 00:00:02.247986	4	18JAN2008 00:00:02.247986	31
18	18JAN2008 00:01:02.556571	32	18JAN2008 00:01:02.556571	4
19	18JAN2008 00:01:03.181552	32	18JAN2008 00:01:03.181552	4
	...	...	...	...

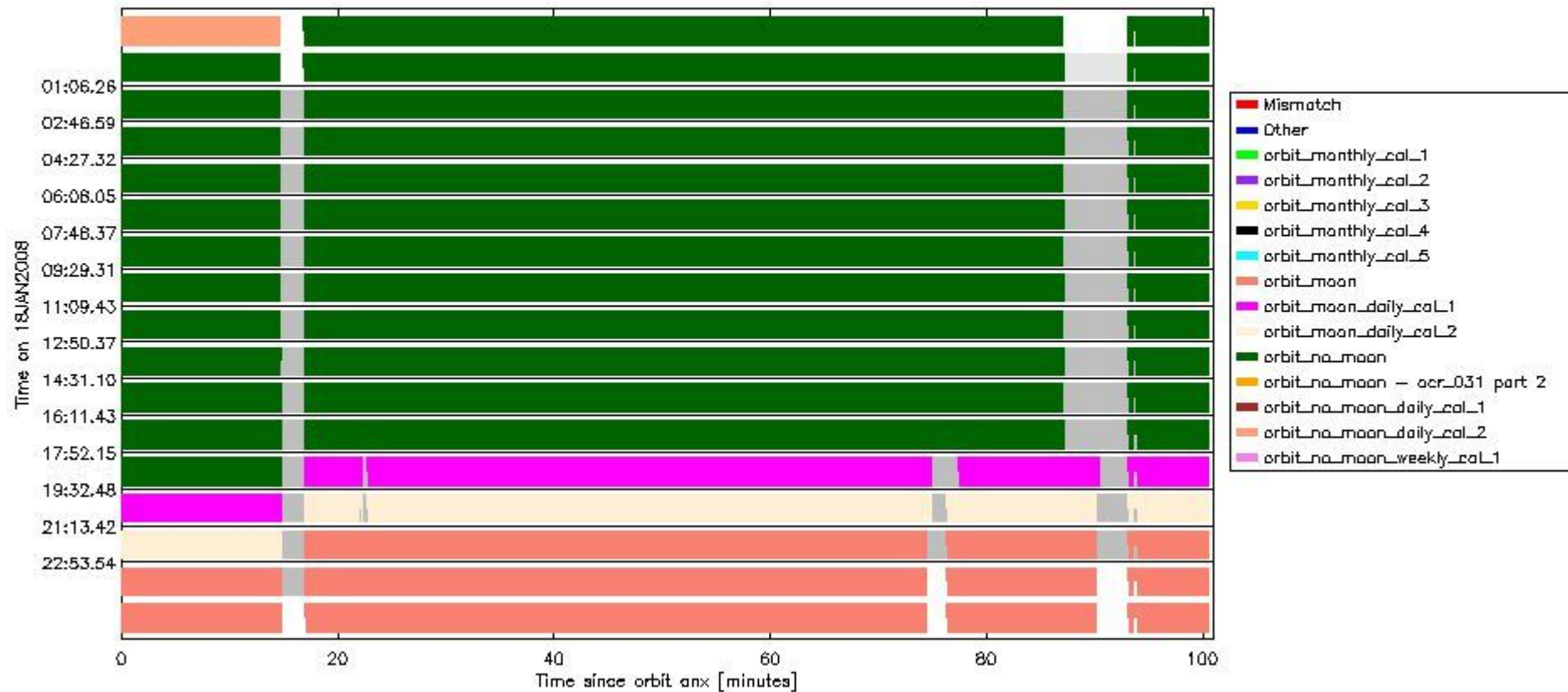


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080118\_5.PNG

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 18JAN2008.  
 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\_20080118\_6.PNG

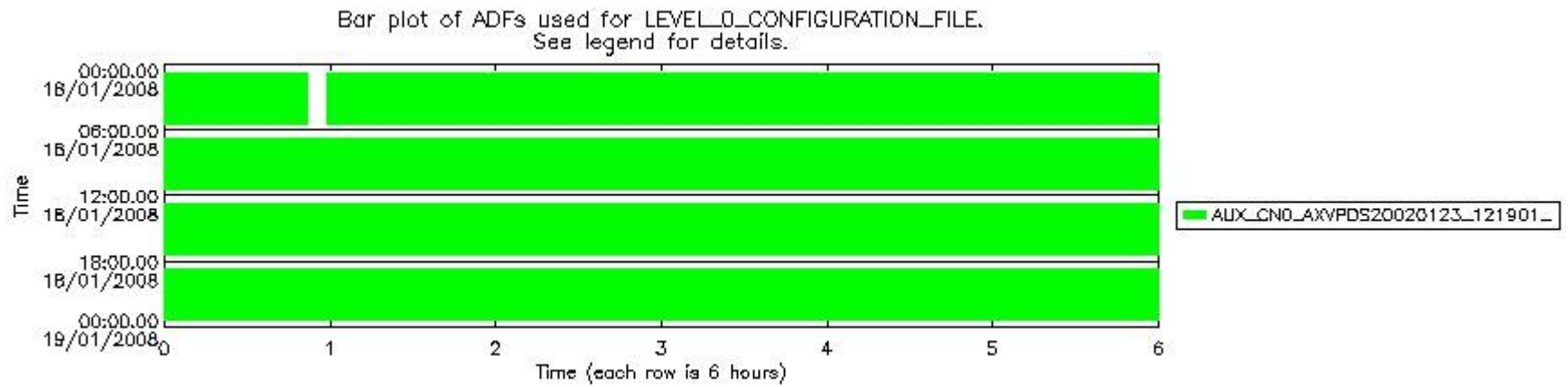
## 0.4 ADF monitoring

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

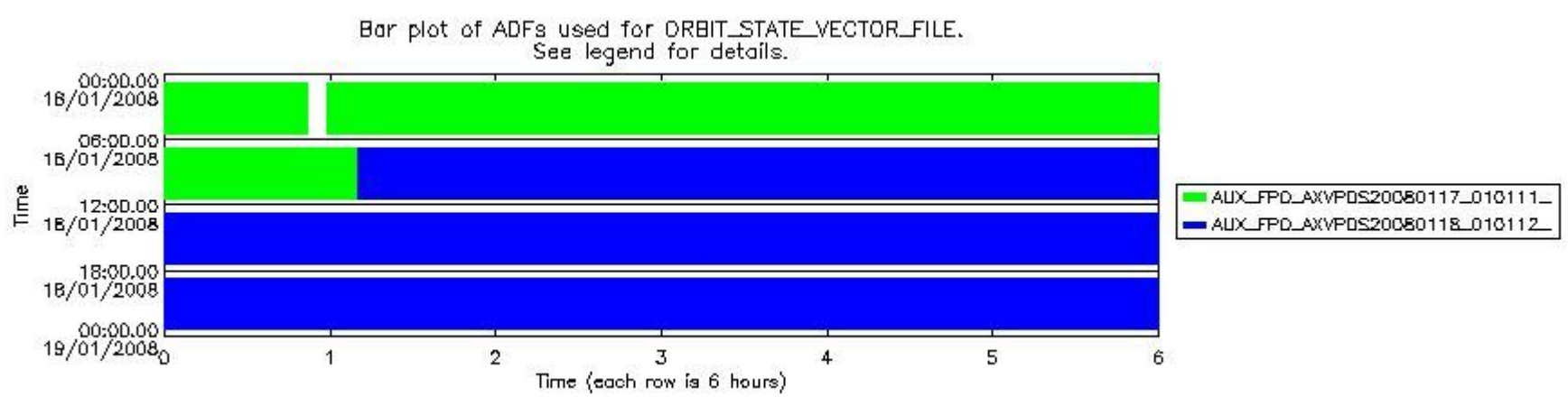
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

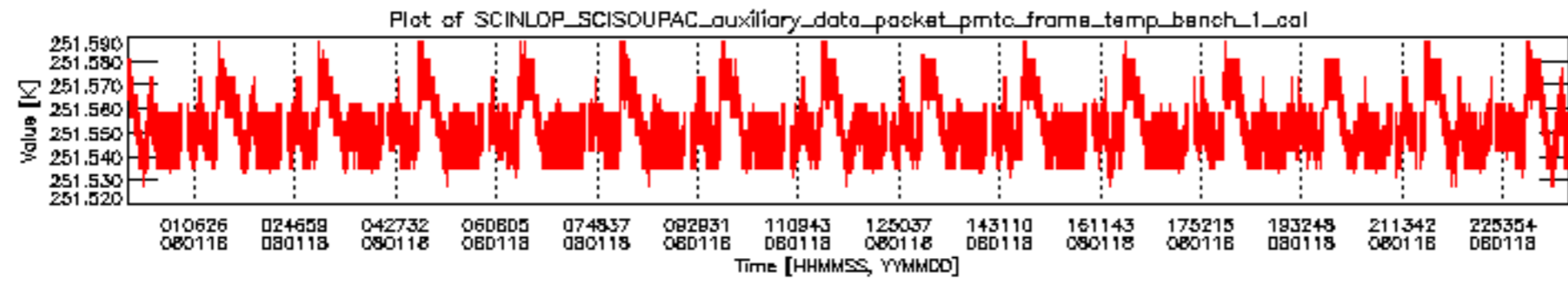
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20080117_010111_20080116_185533_20080126_202147
2	AUX_FPO_AXVPDS20080118_010112_20080117_182356_20080127_213045



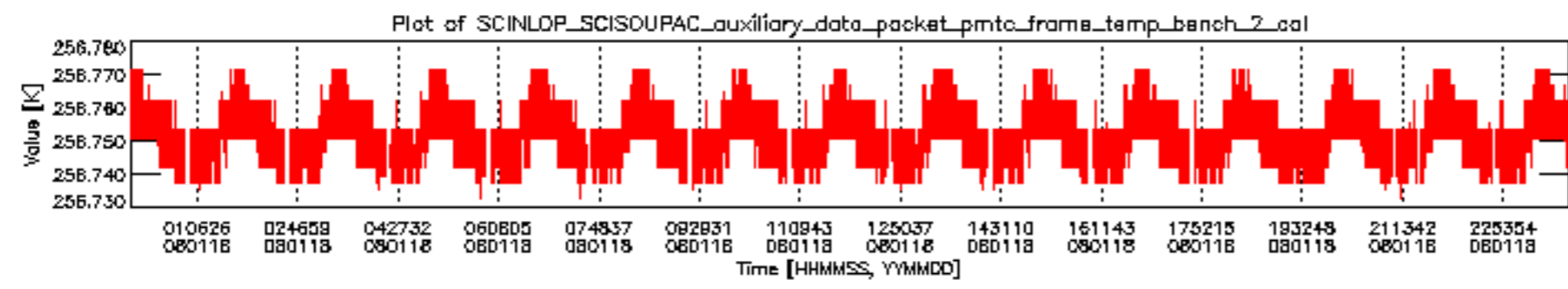
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080118\_7.PNG

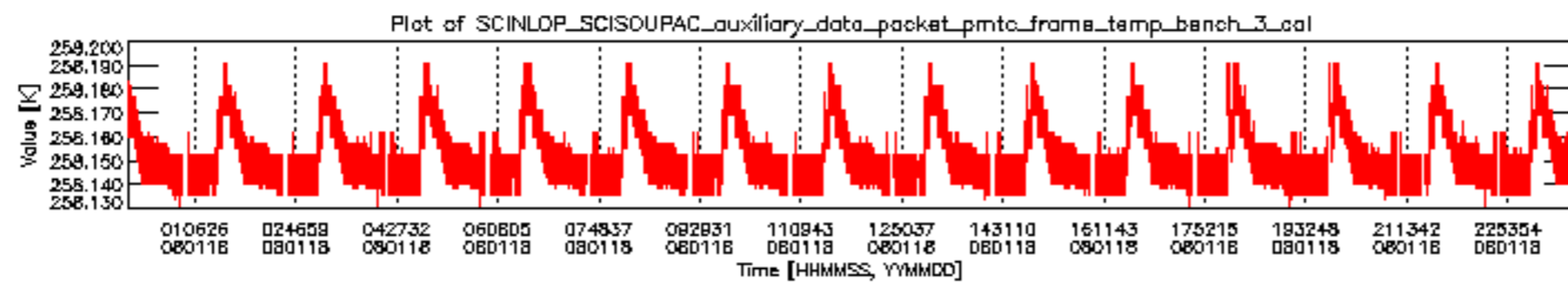


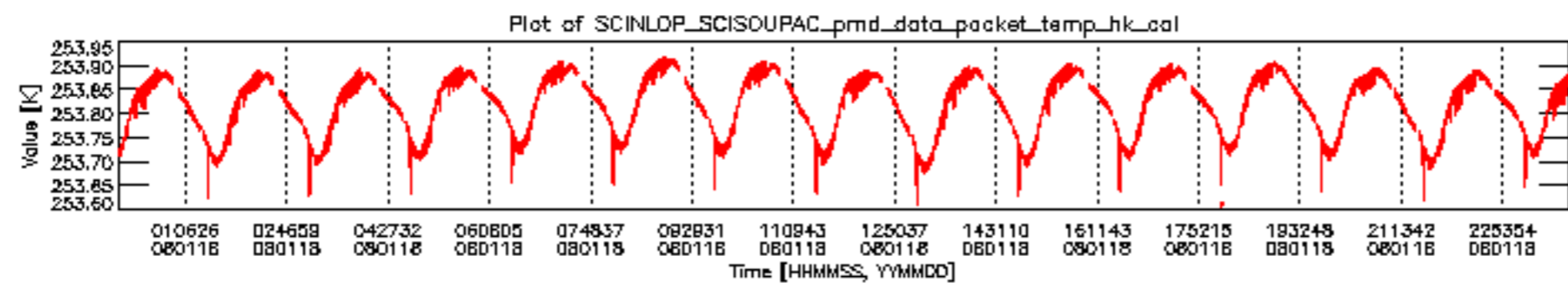
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080118\_8.PNG

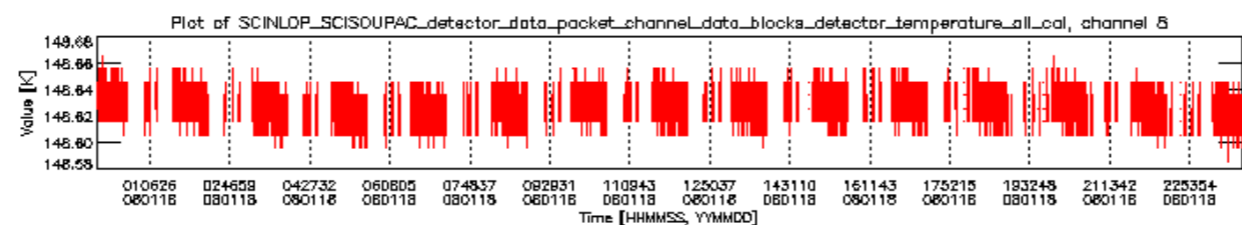
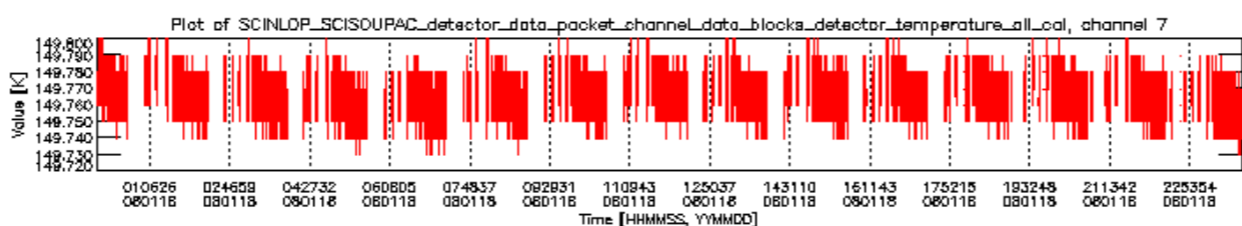
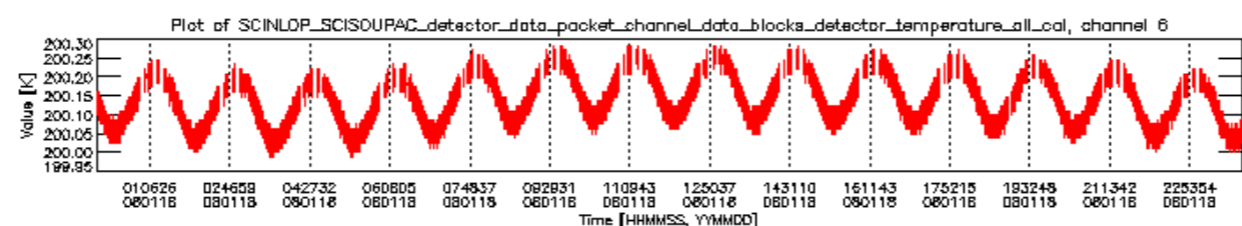
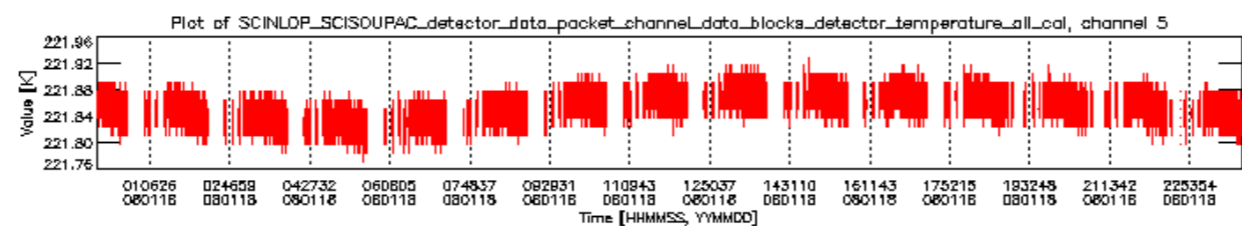
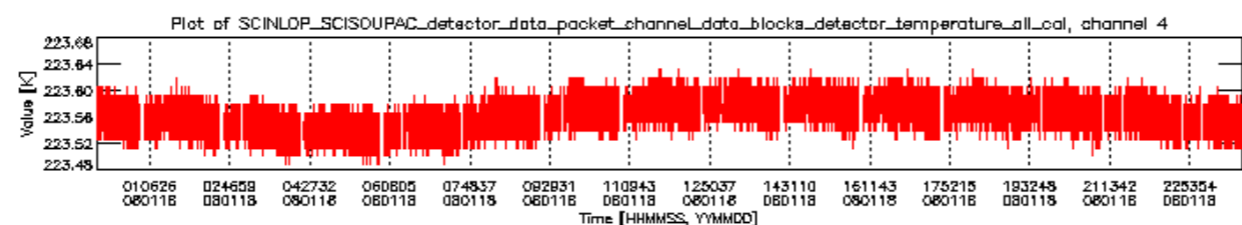
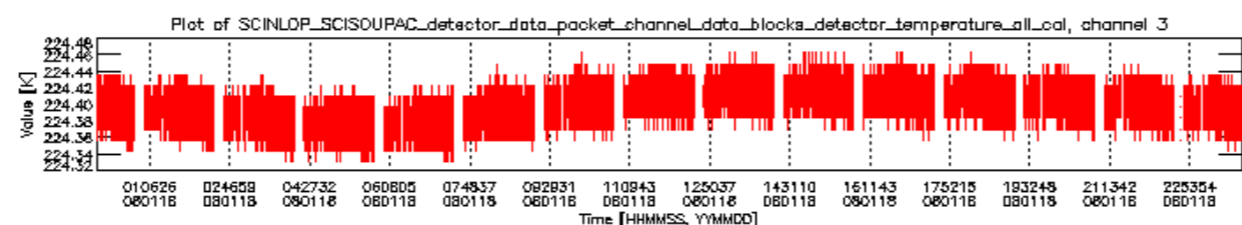
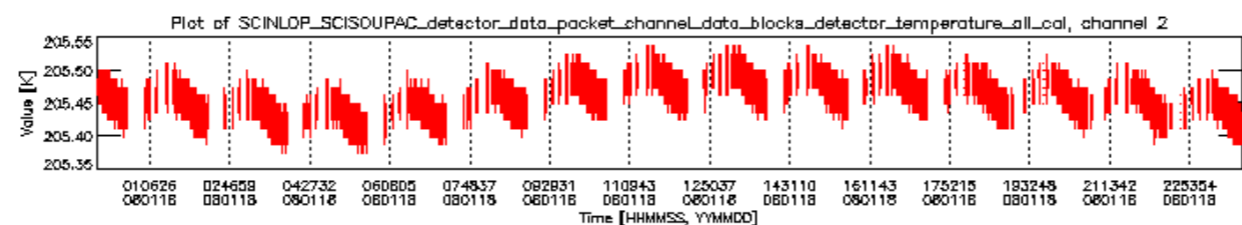
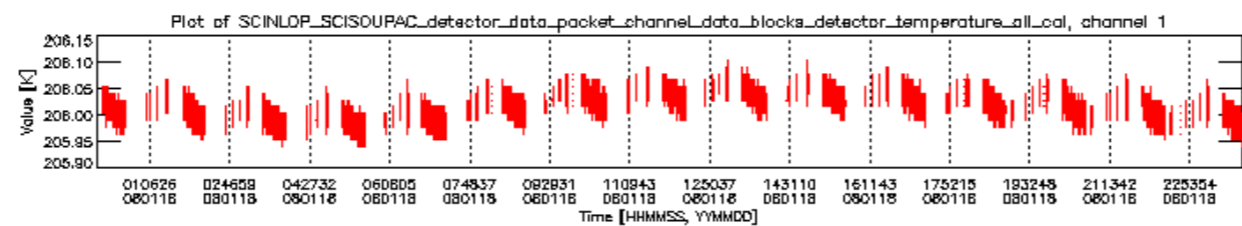














Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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