

## 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	28JUL2008 05:18:15
Data source version	KSPT_L0/4303-N
Processing scope for products	24JUL2008 00:00:00 to 25JUL2008 00:00:00
Start time of first product within scope	23JUL2008 23:03:51
Stop time of last product within scope	25JUL2008 00:14:54
Total number of level 0 products	16
Number of level 0 products with errors	0

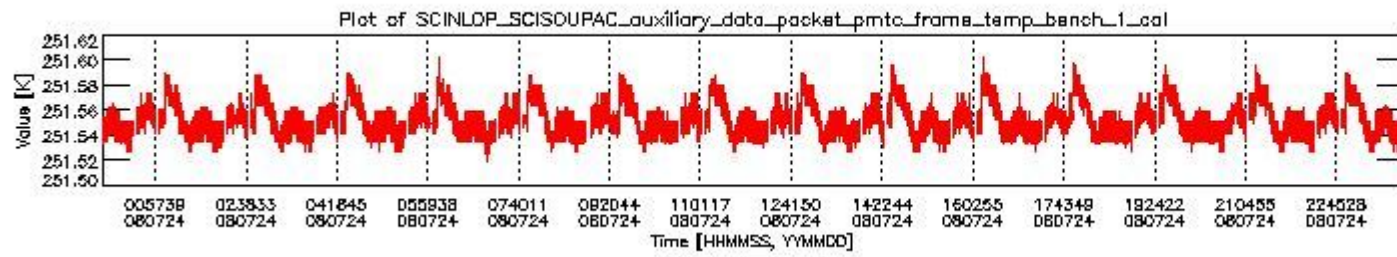
### 0.1.2 Summary per product

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

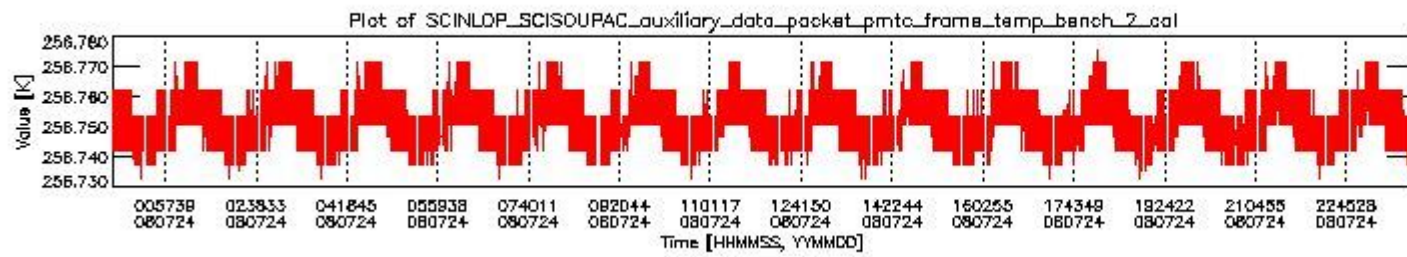
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080723_230351_000062002070_00330_33450_7168.N1	23JUL2008 23:03:51	24JUL2008 00:47:11	0	0	0	0	0
1	SCI_NL__OPNPDE20080724_004627_000056962070_00331_33451_7169.N1	24JUL2008 00:46:27	24JUL2008 02:21:23	0	0	0	0	0
2	SCI_NL__OPNPDE20080724_021959_000046592070_00332_33452_7170.N1	24JUL2008 02:19:59	24JUL2008 03:37:39	0	0	0	0	0
3	SCI_NL__OPNPDE20080724_033739_000060922070_00333_33453_7171.N1	24JUL2008 03:37:39	24JUL2008 05:19:11	0	0	0	0	0
4	SCI_NL__OPNPDE20080724_051911_000060492070_00334_33454_7172.N1	24JUL2008 05:19:11	24JUL2008 07:00:00	0	0	0	0	0
5	SCI_NL__OPNPDK20080724_070000_000040332070_00335_33455_8847.N1	24JUL2008 07:00:00	24JUL2008 08:07:12	0	0	0	0	0
6	SCI_NL__OPNPDK20080724_080712_000061732070_00336_33456_8848.N1	24JUL2008 08:07:12	24JUL2008 09:50:06	0	0	0	0	0
7	SCI_NL__OPNPDK20080724_094857_000059682070_00337_33457_8849.N1	24JUL2008 09:48:57	24JUL2008 11:28:25	0	0	0	0	0
8	SCI_NL__OPNPDK20080724_112825_000060492070_00338_33458_8850.N1	24JUL2008 11:28:25	24JUL2008 13:09:13	0	0	0	0	0
9	SCI_NL__OPNPDK20080724_130805_000059122070_00339_33459_8851.N1	24JUL2008 13:08:05	24JUL2008 14:46:37	0	0	0	0	0
10	SCI_NL__OPNPDK20080724_144528_000059242070_00340_33460_8852.N1	24JUL2008 14:45:28	24JUL2008 16:24:13	0	0	0	0	0
11	SCI_NL__OPNPDK20080724_162304_000058602070_00341_33461_8853.N1	24JUL2008 16:23:04	24JUL2008 18:00:44	0	0	0	0	0
12	SCI_NL__OPNPDK20080724_175840_000061732070_00342_33462_8854.N1	24JUL2008 17:58:40	24JUL2008 19:41:33	0	0	0	0	0
13	SCI_NL__OPNPDE20080724_194025_000041052070_00343_33463_7173.N1	24JUL2008 19:40:25	24JUL2008 20:48:50	0	0	0	0	0
14	SCI_NL__OPNPDE20080724_204729_000064212070_00343_33463_7174.N1	24JUL2008 20:47:29	24JUL2008 22:34:30	0	0	0	0	0
15	SCI_NL__OPNPDE20080724_223346_000060682070_00344_33464_7175.N1	24JUL2008 22:33:46	25JUL2008 00:14:54	0	0	0	0	0

## 0.2 Product Quality Indicators

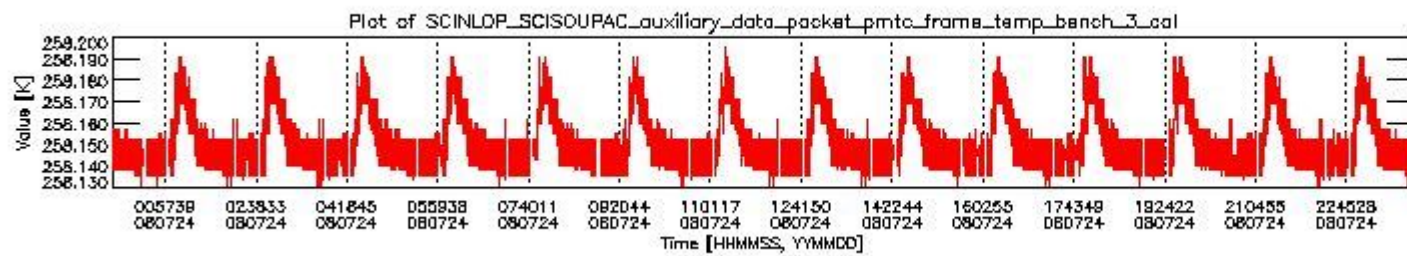
This section shows information about product quality, currently temperatures.



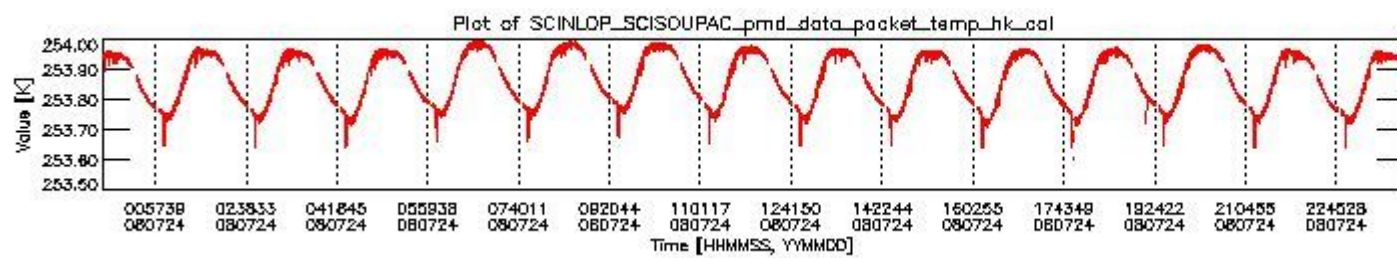
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080724\_0.PNG



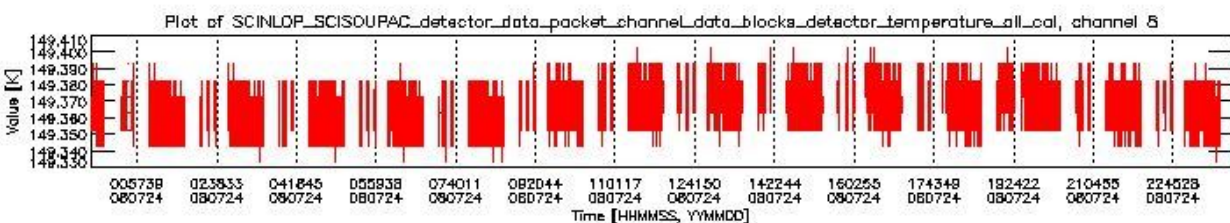
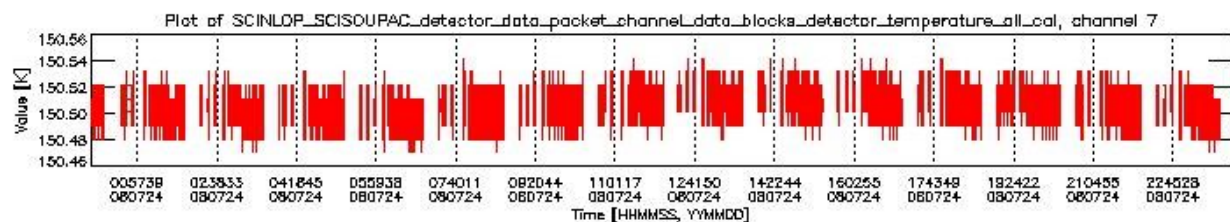
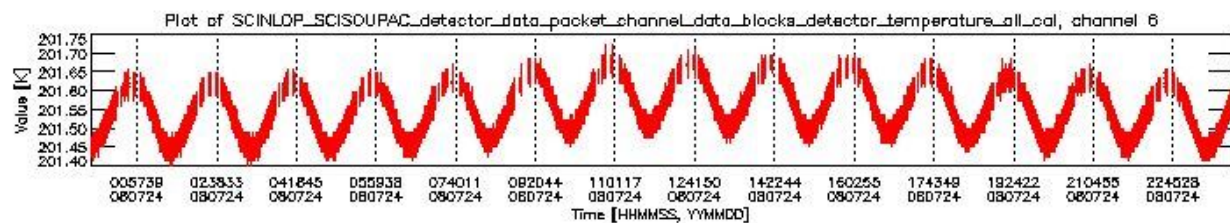
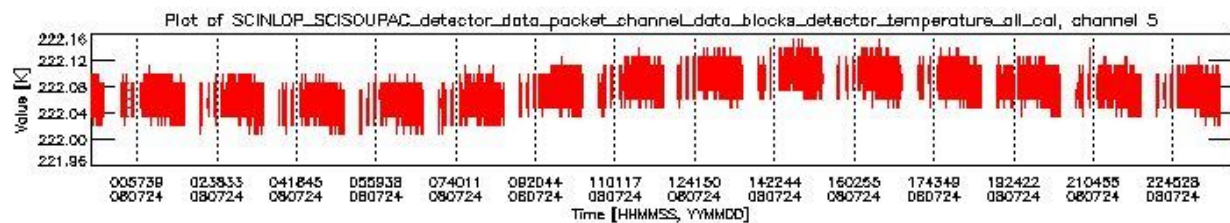
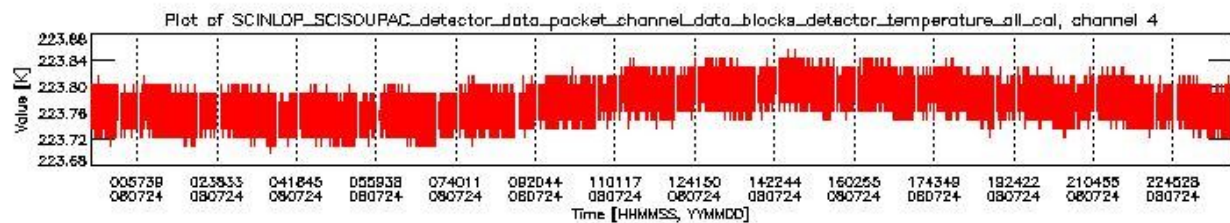
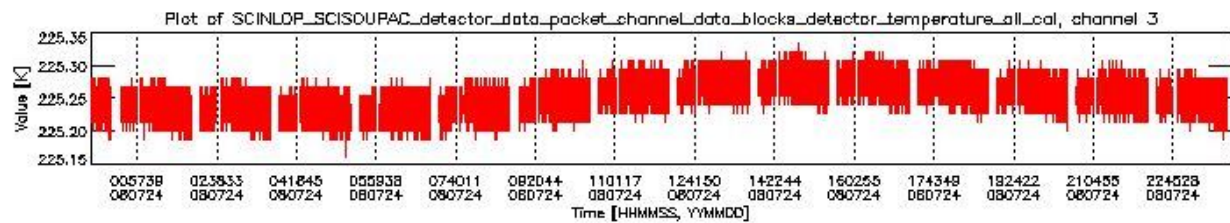
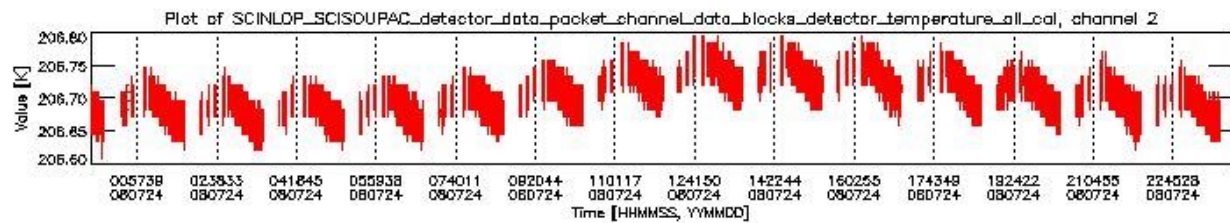
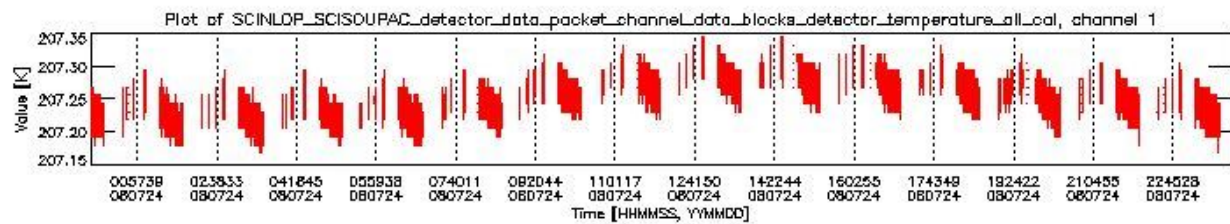
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080724\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080724\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080724\_3.PNG

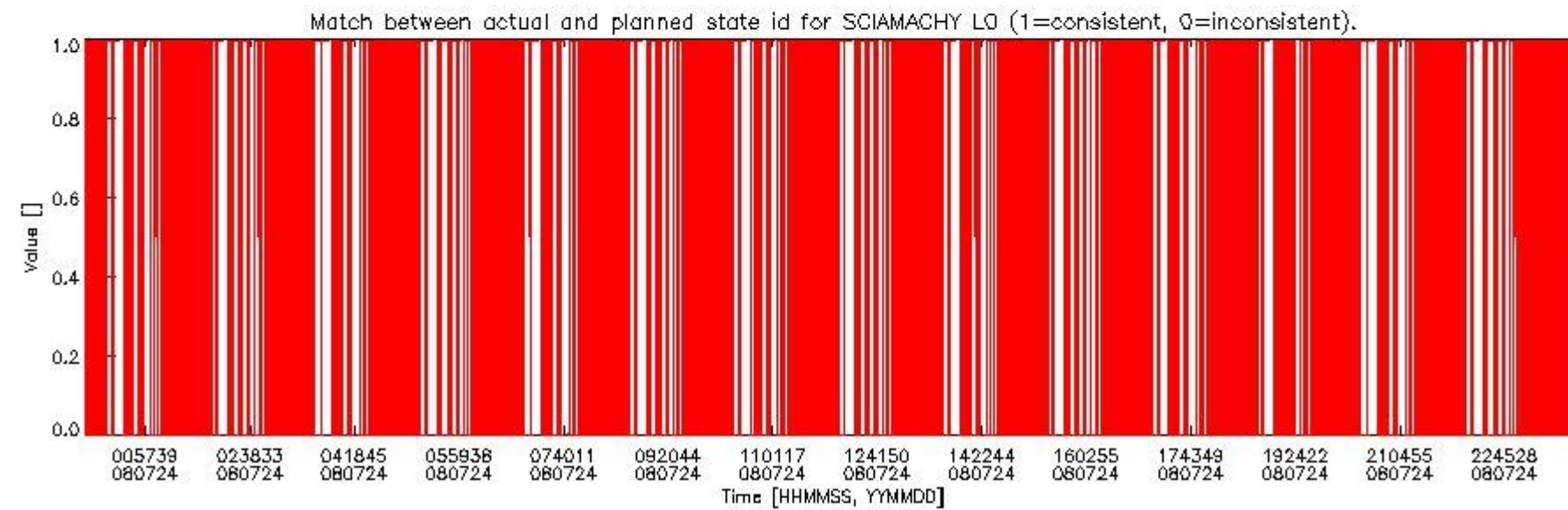
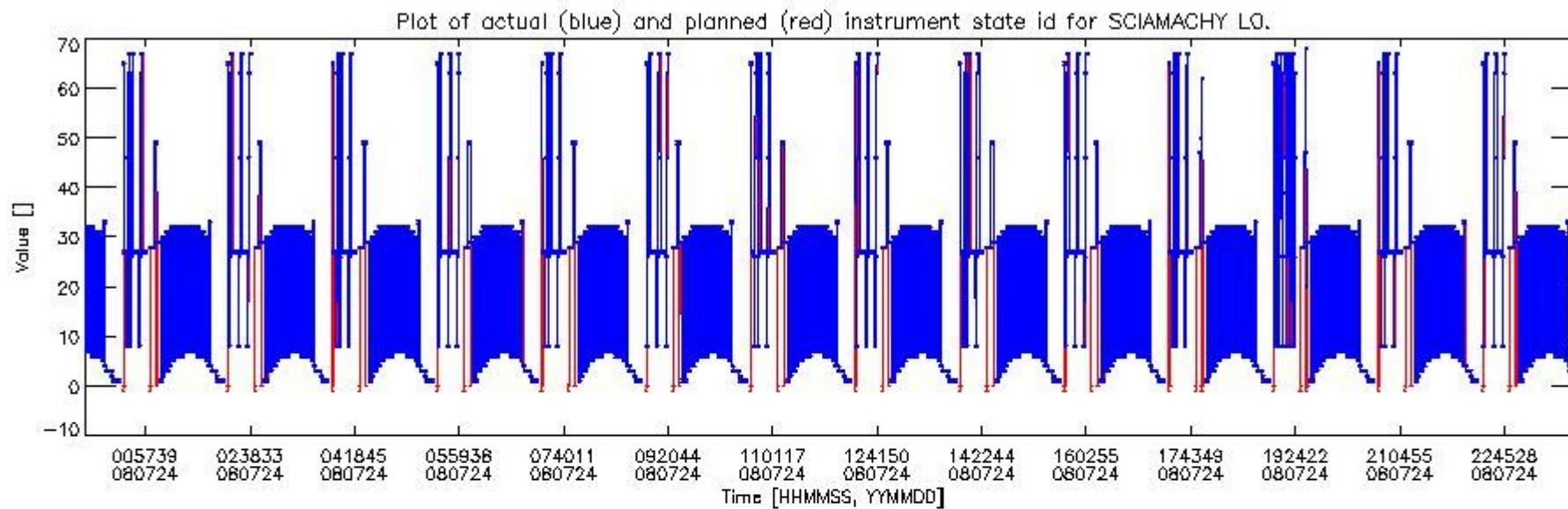


### 0.3 State monitoring

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: **30751**

#	Actual time	Actual value	Planned time	Planned value
0	24JUL2008 00:01:00.234113	32	24JUL2008 00:01:00.234113	7
1	24JUL2008 00:01:00.859095	32	24JUL2008 00:01:00.859095	7
2	24JUL2008 00:01:01.234108	32	24JUL2008 00:01:01.234108	7
3	24JUL2008 00:01:01.609080	32	24JUL2008 00:01:01.609080	7
4	24JUL2008 00:01:02.171620	32	24JUL2008 00:01:02.171620	7
5	24JUL2008 00:01:02.546593	32	24JUL2008 00:01:02.546593	7
6	24JUL2008 00:01:02.921606	32	24JUL2008 00:01:02.921606	7
7	24JUL2008 00:01:03.296619	32	24JUL2008 00:01:03.296619	7
8	24JUL2008 00:01:03.859119	32	24JUL2008 00:01:03.859119	7
9	24JUL2008 00:01:04.234091	32	24JUL2008 00:01:04.234091	7
10	24JUL2008 00:01:04.609104	32	24JUL2008 00:01:04.609104	7
11	24JUL2008 00:01:04.984117	32	24JUL2008 00:01:04.984117	7
12	24JUL2008 00:01:05.234086	32	24JUL2008 00:01:05.234086	7
13	24JUL2008 00:01:05.546617	32	24JUL2008 00:01:05.546617	7
14	24JUL2008 00:01:05.921590	32	24JUL2008 00:01:05.921590	7
15	24JUL2008 00:01:06.296603	32	24JUL2008 00:01:06.296603	7
16	24JUL2008 00:01:06.671616	32	24JUL2008 00:01:06.671616	7
17	24JUL2008 00:01:56.105184	7	24JUL2008 00:01:56.105184	32
18	24JUL2008 00:01:56.480197	7	24JUL2008 00:01:56.480197	32
19	24JUL2008 00:01:56.730206	7	24JUL2008 00:01:56.730206	32
	...	...	...	...

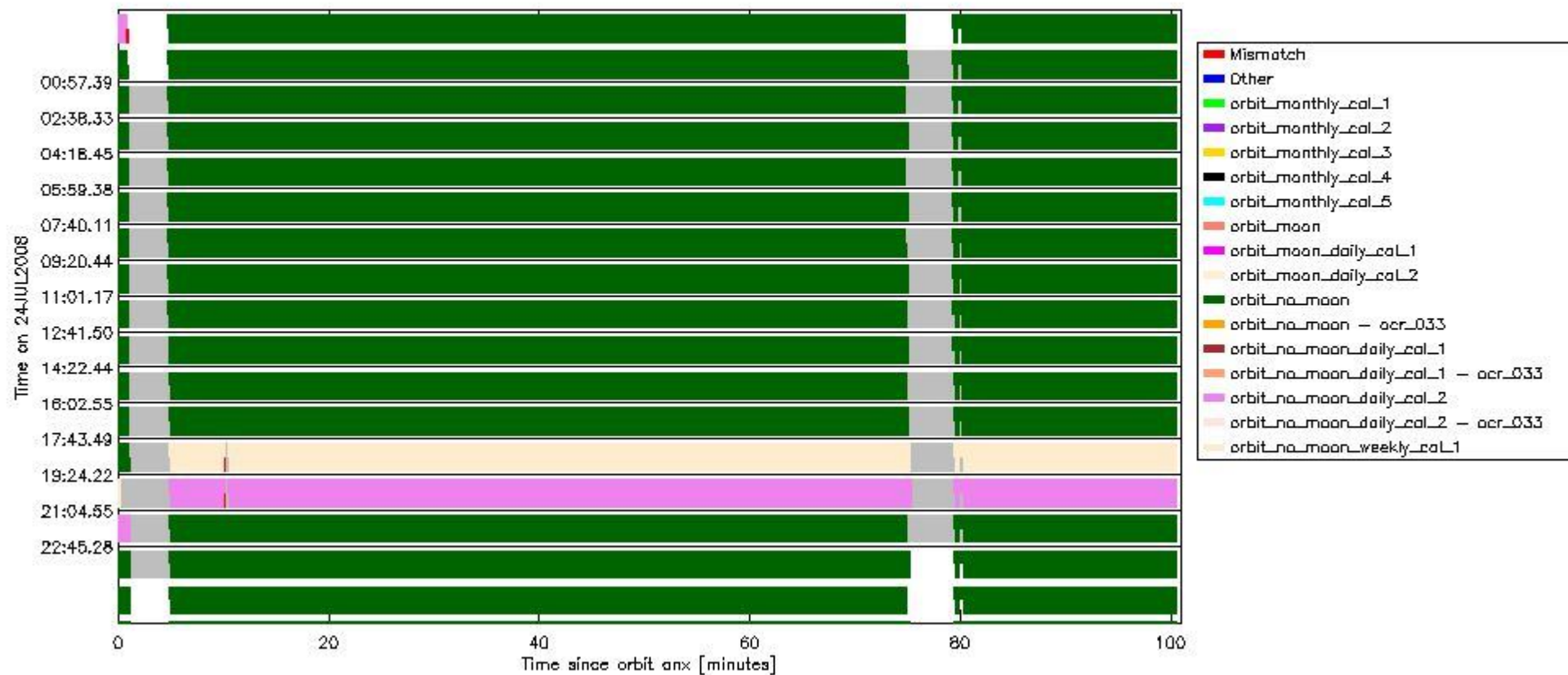


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080724\_5.PNG

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 24JUL2008.  
 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\_20080724\_6.PNG

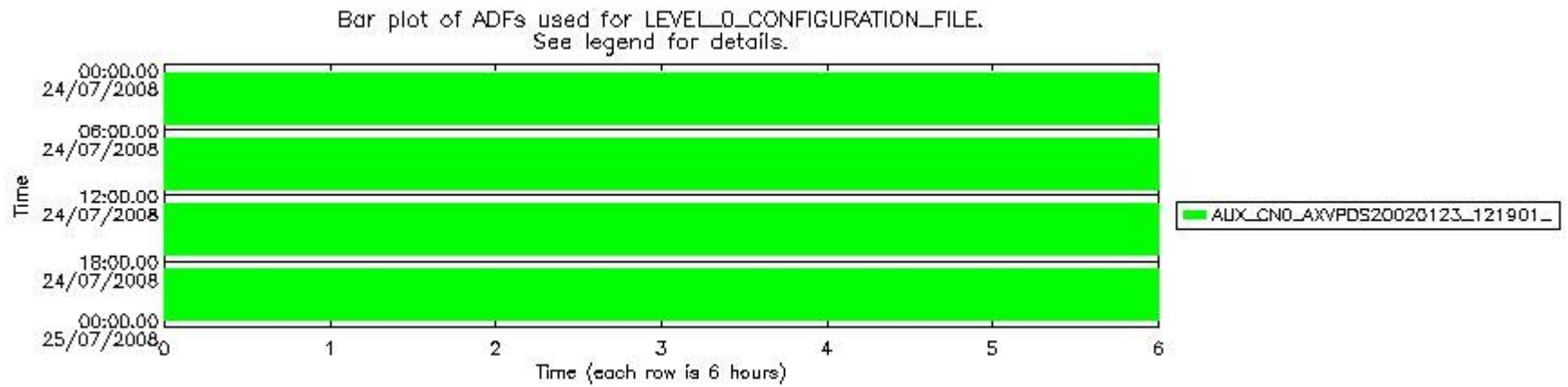
## 0.4 ADF monitoring

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

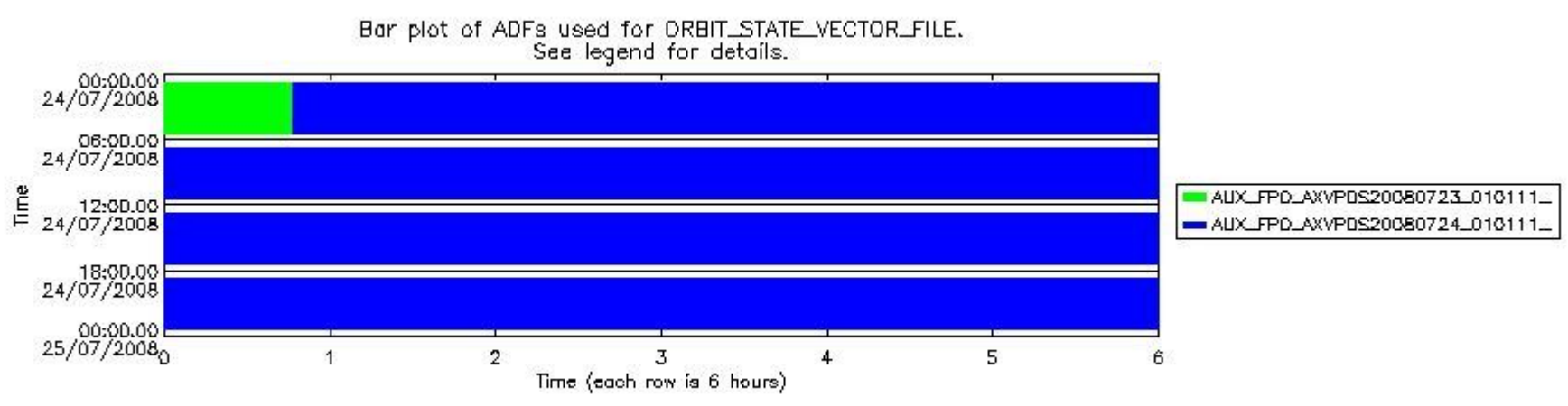
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

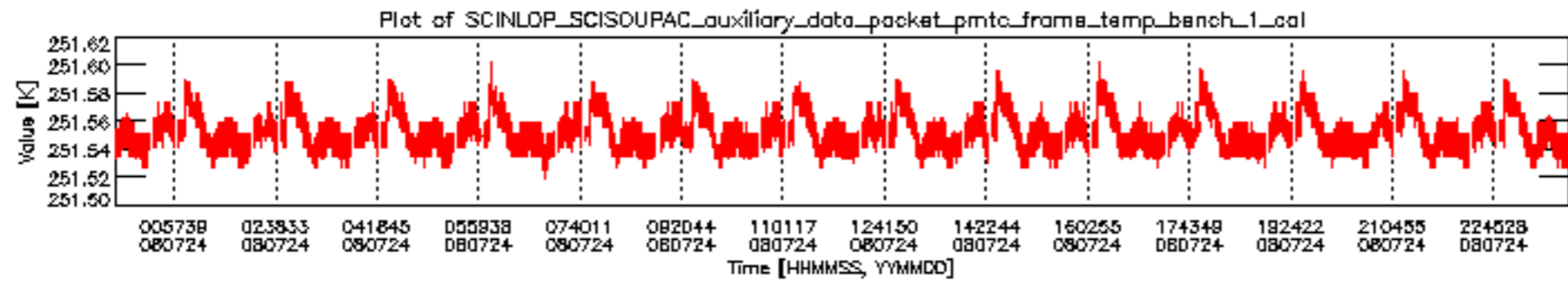
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20080723_010111_20080722_184657_20080801_201311</b>
2	<b>AUX_FPO_AXVPDS20080724_010111_20080723_195556_20080802_212210</b>



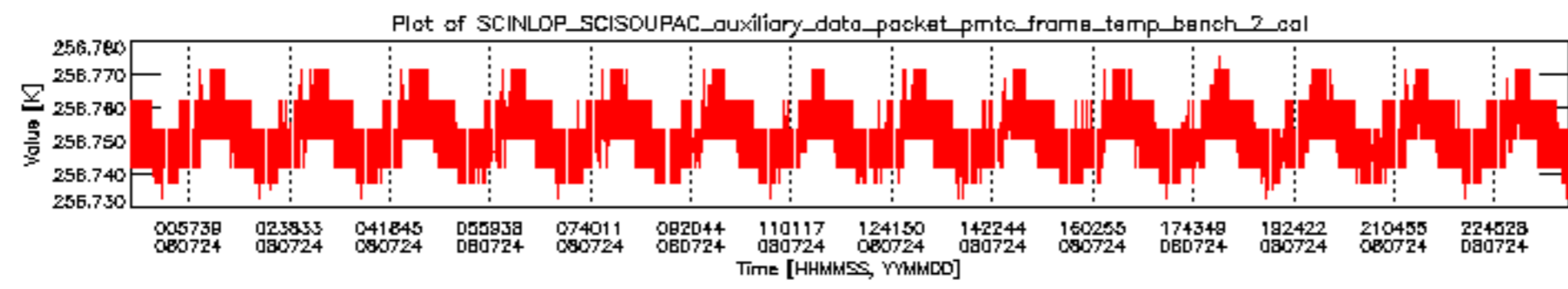
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080724\_7.PNG

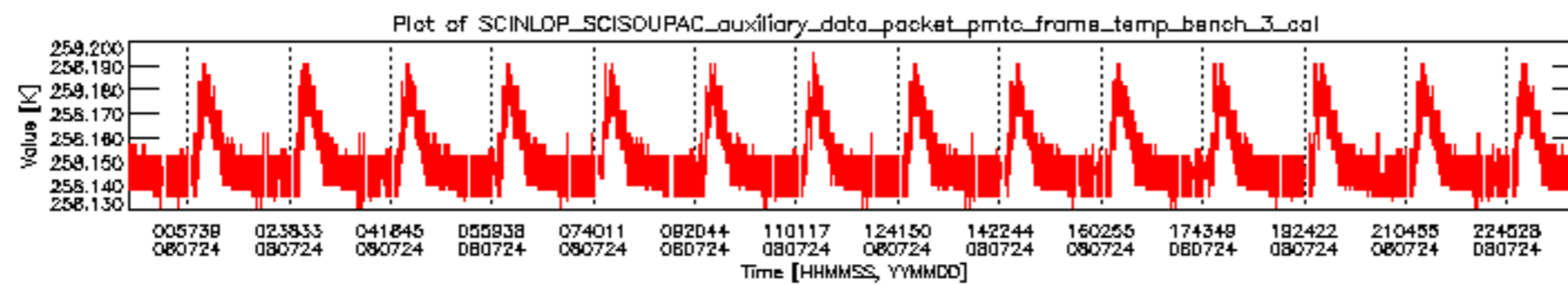


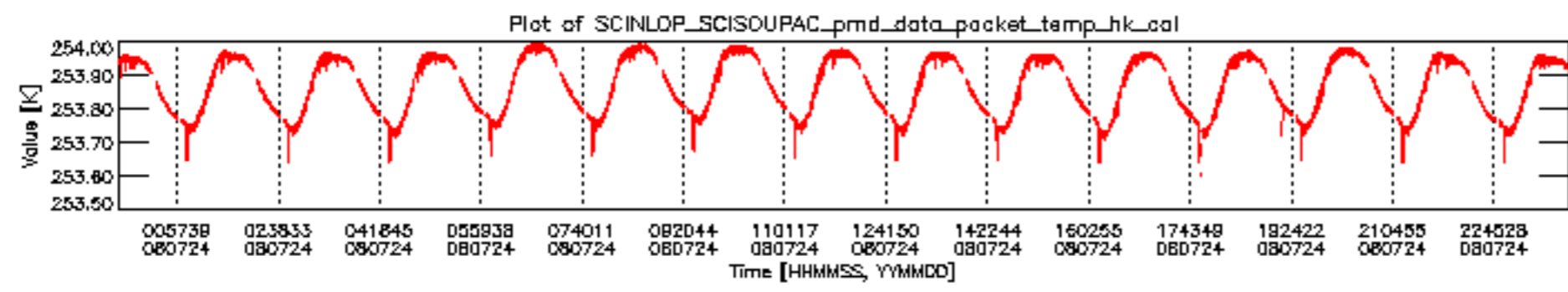
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080724\_8.PNG

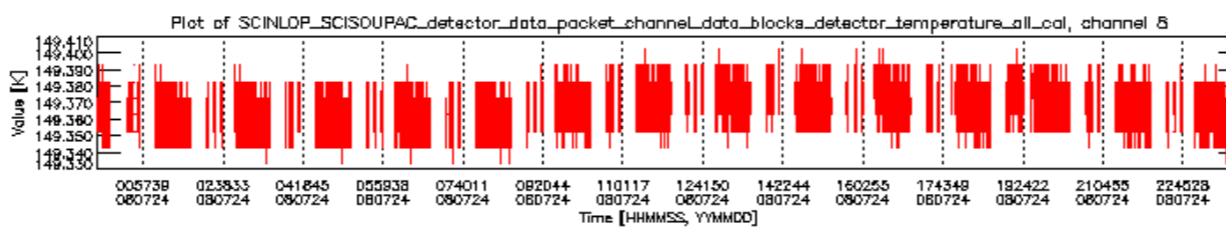
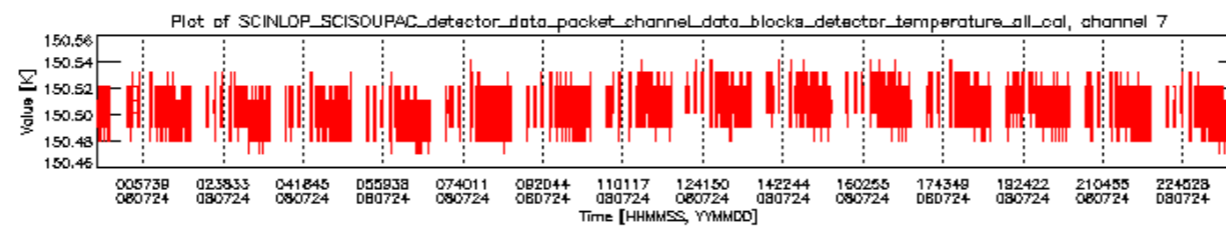
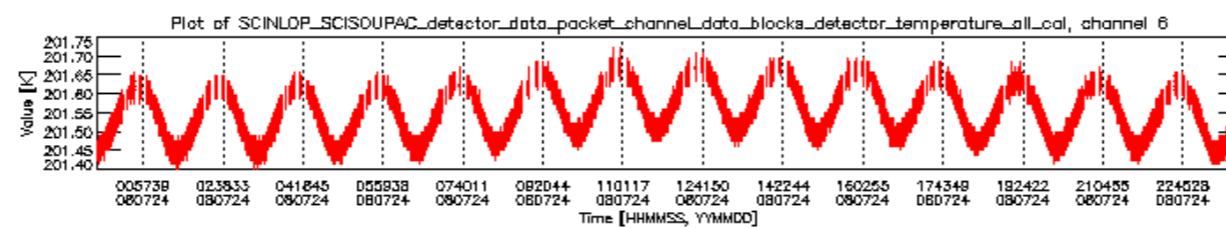
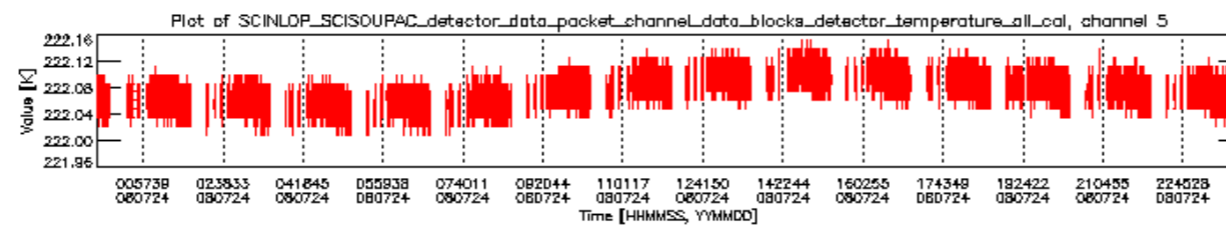
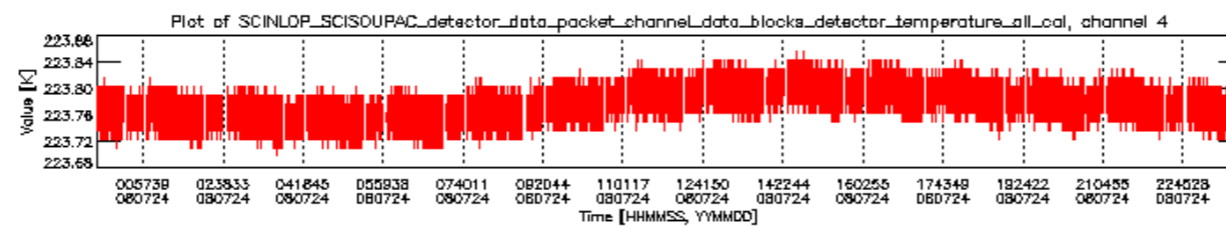
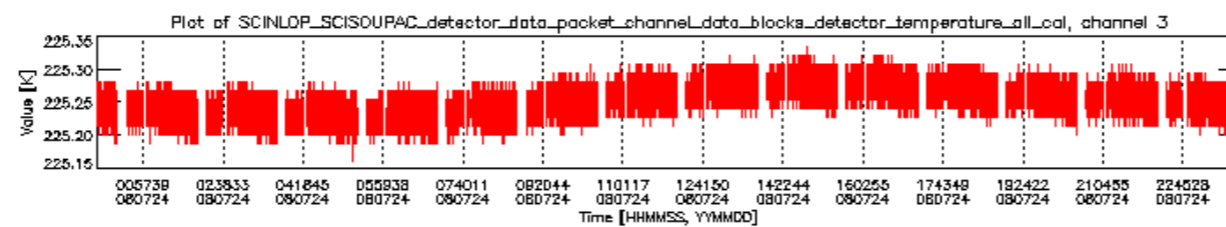
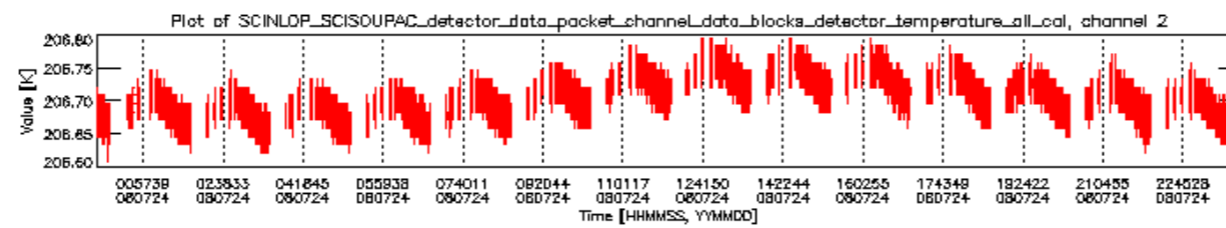
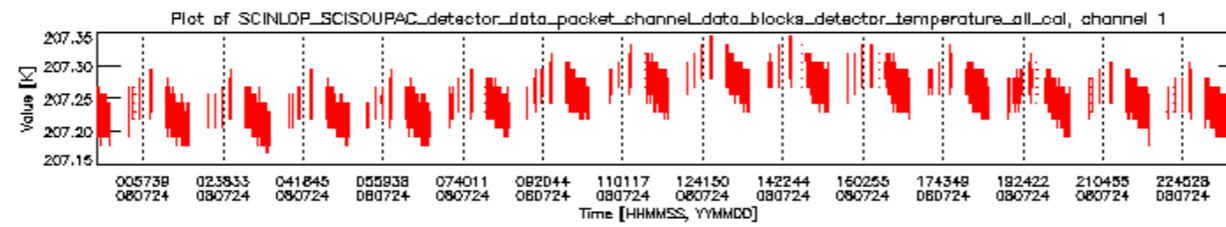














Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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