

## 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	v1.4 20100407
Time of report generation	02DEC2011 03:05:28
Data source version	KSPT_L0/4504-N
Processing scope for products	25NOV2011 00:00:00 to 26NOV2011 00:00:00
Start time of first product within scope	25NOV2011 01:01:21
Stop time of last product within scope	26NOV2011 00:24:39
Total number of Level 0 products	13
Number of Level 0 products with errors	0

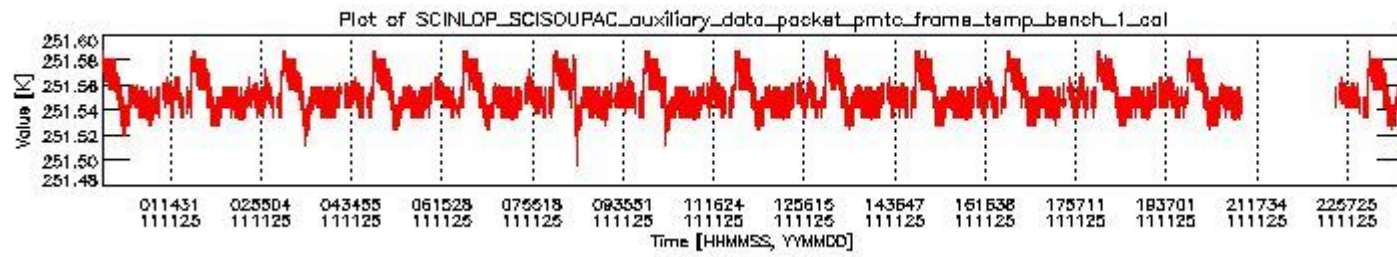
### 0.1.2 Summary per product

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

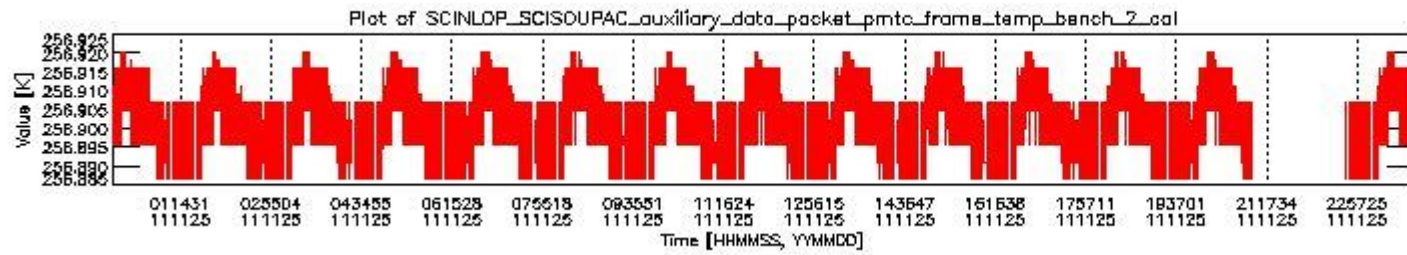
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDE20111125_010121_000102383109_00045_50921_4330.N1	25NOV2011 01:01:21	25NOV2011 03:51:59	0	0	0	0	0
1	SCI_NL__0PNPDE20111125_035159_000062603109_00047_50923_4331.N1	25NOV2011 03:51:59	25NOV2011 05:36:18	0	0	0	0	0
2	SCI_NL__0PNPDE20111125_053618_000059463109_00048_50924_4332.N1	25NOV2011 05:36:18	25NOV2011 07:15:24	0	0	0	0	0
3	SCI_NL__0PNPDK20111125_071430_000041733109_00049_50925_6482.N1	25NOV2011 07:14:30	25NOV2011 08:24:03	0	0	0	0	0
4	SCI_NL__0PNPDK20111125_082309_000060003109_00050_50926_6483.N1	25NOV2011 08:23:09	25NOV2011 10:03:08	0	0	0	0	0
5	SCI_NL__0PNPDK20111125_100120_000060143109_00051_50927_6484.N1	25NOV2011 10:01:20	25NOV2011 11:41:34	0	0	0	0	0
6	SCI_NL__0PNPDK20111125_113946_000060683109_00052_50928_6485.N1	25NOV2011 11:39:46	25NOV2011 13:20:54	0	0	0	0	0
7	SCI_NL__0PNPDK20111125_131742_000062063109_00053_50929_6486.N1	25NOV2011 13:17:42	25NOV2011 15:01:08	0	0	0	0	0
8	SCI_NL__0PNPDK20111125_145756_000059593109_00054_50930_6487.N1	25NOV2011 14:57:56	25NOV2011 16:37:15	0	0	0	0	0
9	SCI_NL__0PNPDK20111125_163621_000059603109_00055_50931_6488.N1	25NOV2011 16:36:21	25NOV2011 18:15:41	0	0	0	0	0
10	SCI_NL__0PNPDK20111125_181447_000057433109_00056_50932_6489.N1	25NOV2011 18:14:47	25NOV2011 19:50:30	0	0	0	0	0
11	SCI_NL__0PNPDE20111125_195501_000038903109_00057_50933_4333.N1	25NOV2011 19:55:01	25NOV2011 20:59:51	0	0	0	0	0
12	SCI_NL__0PNPDE20111125_224439_000060003109_00058_50934_4335.N1	25NOV2011 22:44:39	26NOV2011 00:24:39	0	0	0	0	0

## 0.2 Product Quality Indicators

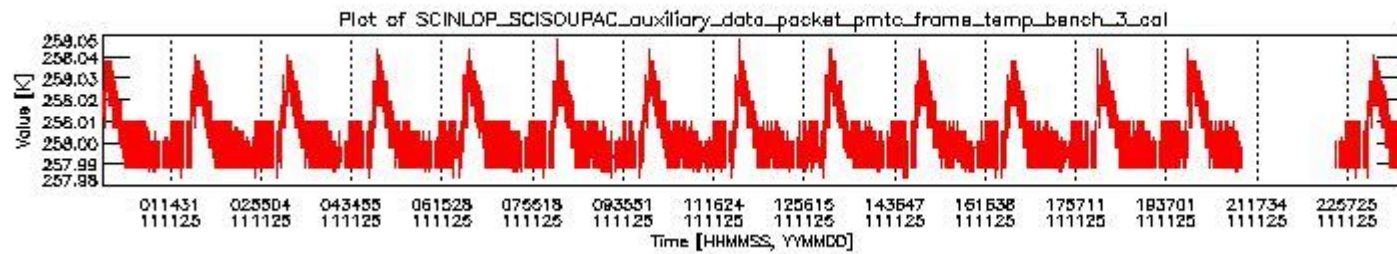
This section shows information about product quality, currently temperatures.



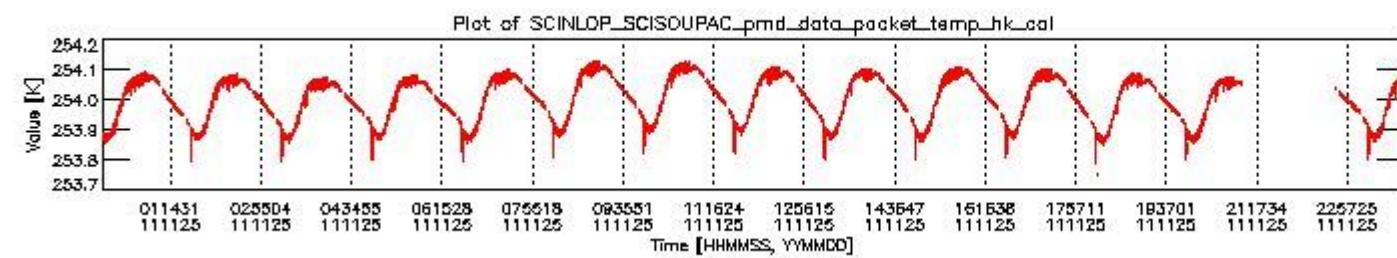
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111125\_0.PNG



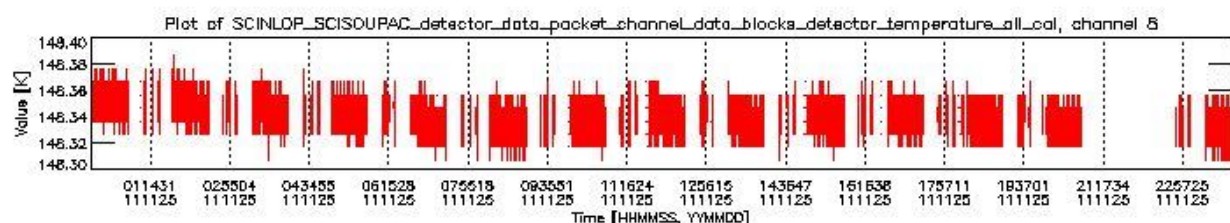
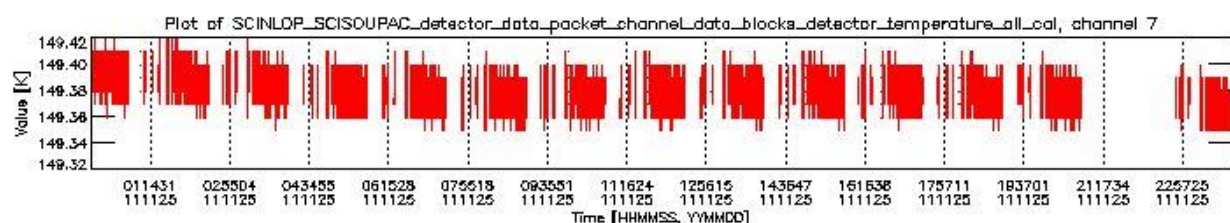
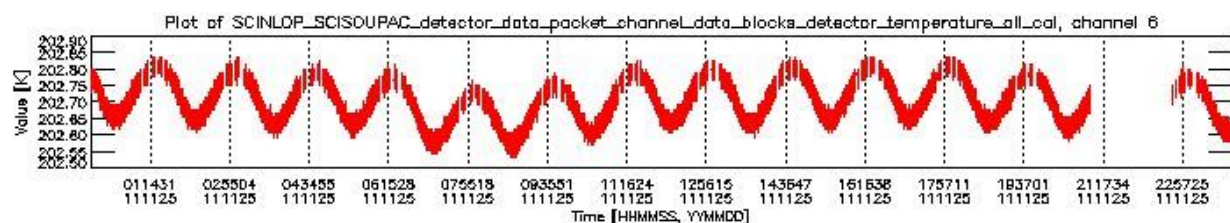
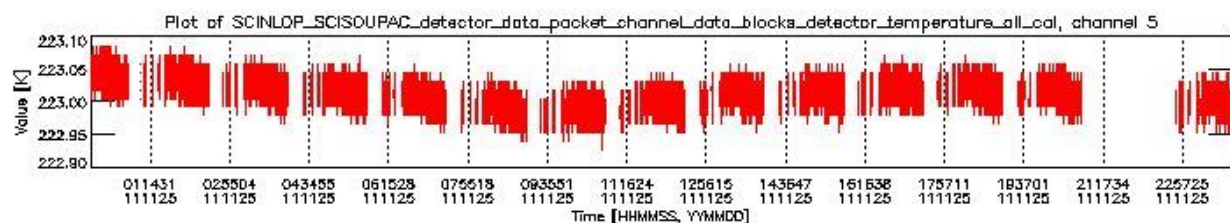
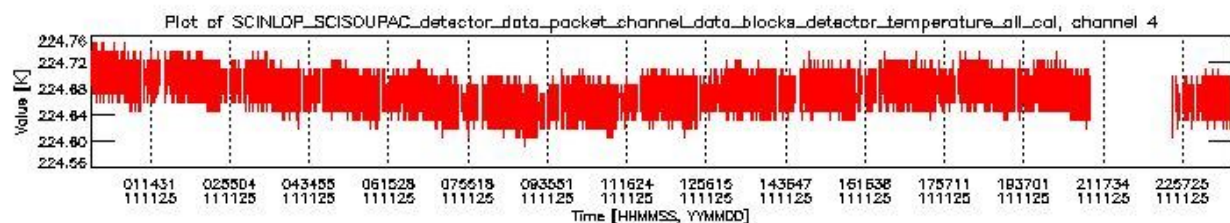
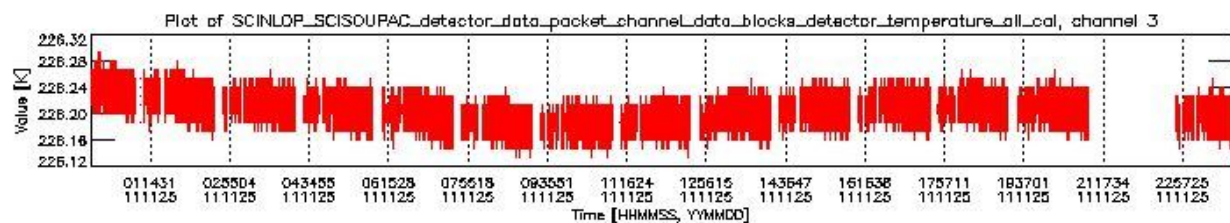
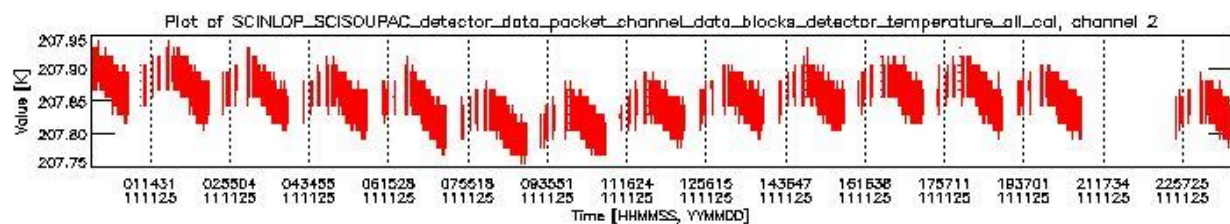
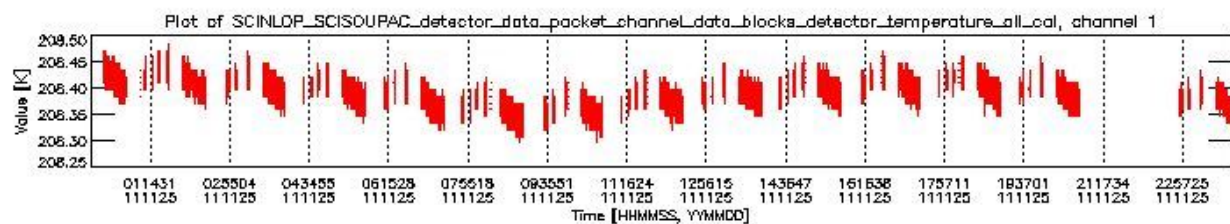
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111125\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111125\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111125\_3.PNG

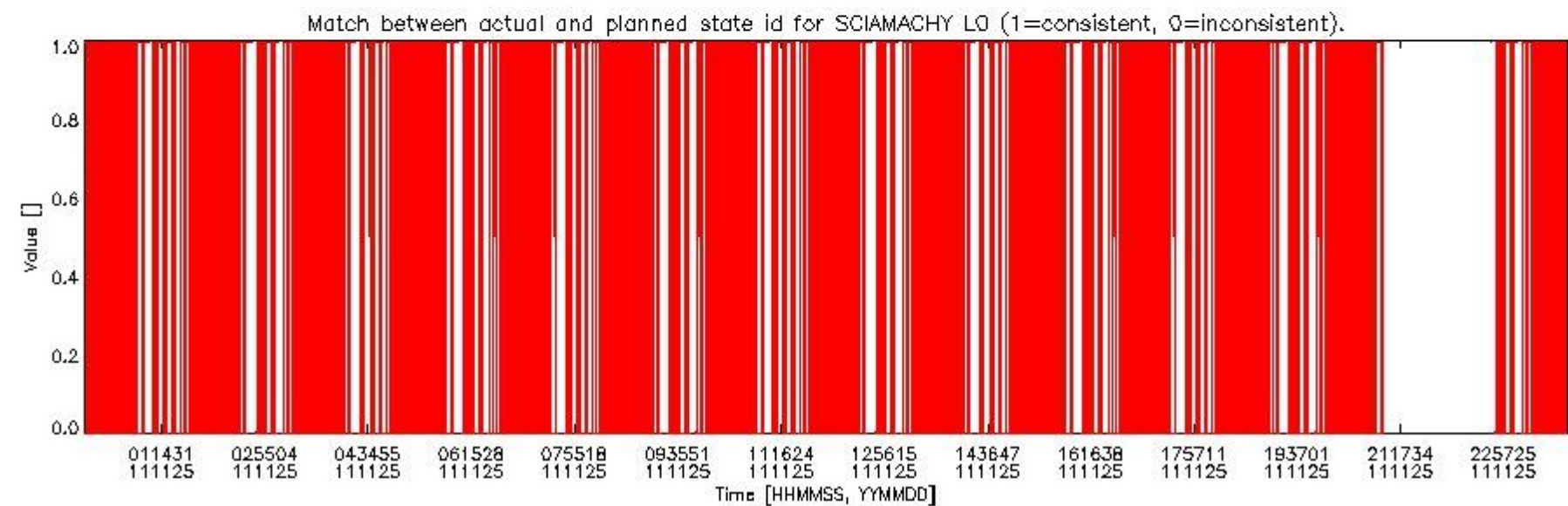
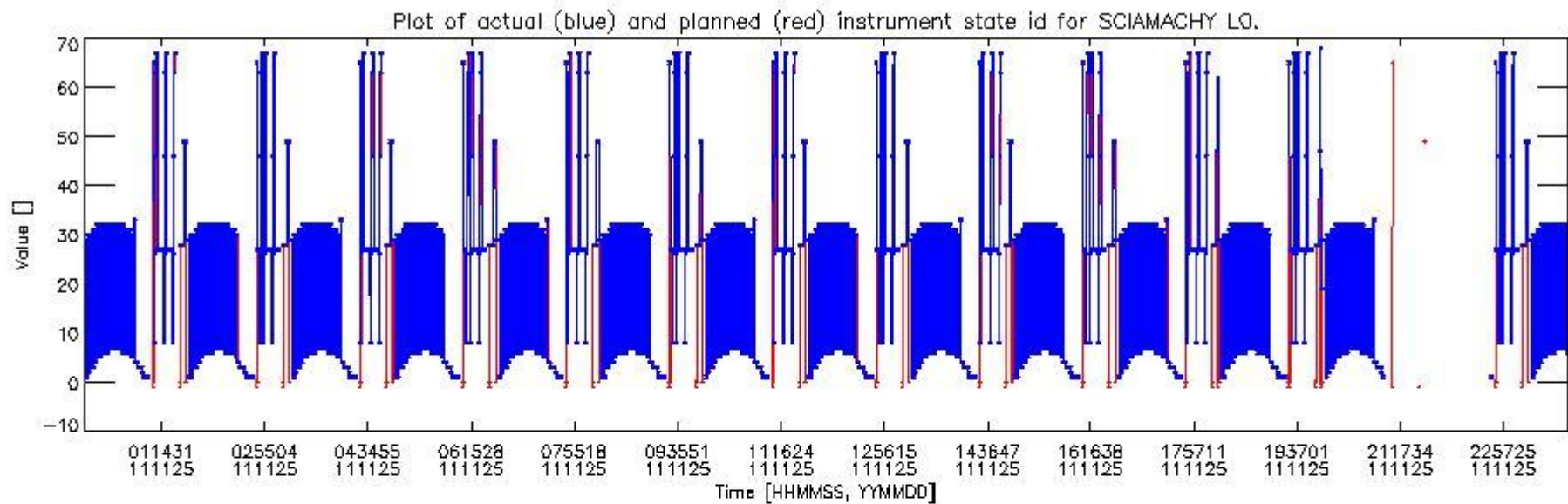


### 0.3 State monitoring

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: **48387**

#	Actual time	Actual value	Planned time	Planned value
0	25NOV2011 00:01:43.826568	1	25NOV2011 00:01:43.826568	29
1	25NOV2011 00:01:44.076568	1	25NOV2011 00:01:44.076568	29
2	25NOV2011 00:01:44.201568	1	25NOV2011 00:01:44.201568	29
3	25NOV2011 00:01:44.326568	1	25NOV2011 00:01:44.326568	29
4	25NOV2011 00:01:44.451568	1	25NOV2011 00:01:44.451568	29
5	25NOV2011 00:01:44.576568	1	25NOV2011 00:01:44.576568	29
6	25NOV2011 00:01:44.701568	1	25NOV2011 00:01:44.701568	29
7	25NOV2011 00:01:44.826568	1	25NOV2011 00:01:44.826568	29
8	25NOV2011 00:01:44.951568	1	25NOV2011 00:01:44.951568	29
9	25NOV2011 00:01:45.076568	1	25NOV2011 00:01:45.076568	29
10	25NOV2011 00:01:45.201568	1	25NOV2011 00:01:45.201568	29
11	25NOV2011 00:01:45.326568	1	25NOV2011 00:01:45.326568	29
12	25NOV2011 00:01:45.451568	1	25NOV2011 00:01:45.451568	29
13	25NOV2011 00:01:45.576568	1	25NOV2011 00:01:45.576568	29
14	25NOV2011 00:01:45.701568	1	25NOV2011 00:01:45.701568	29
15	25NOV2011 00:01:45.826568	1	25NOV2011 00:01:45.826568	29
16	25NOV2011 00:01:45.951568	1	25NOV2011 00:01:45.951568	29
17	25NOV2011 00:01:46.076568	1	25NOV2011 00:01:46.076568	29
18	25NOV2011 00:01:46.201568	1	25NOV2011 00:01:46.201568	29
19	25NOV2011 00:01:46.326568	1	25NOV2011 00:01:46.326568	29
...	...	...	...	...

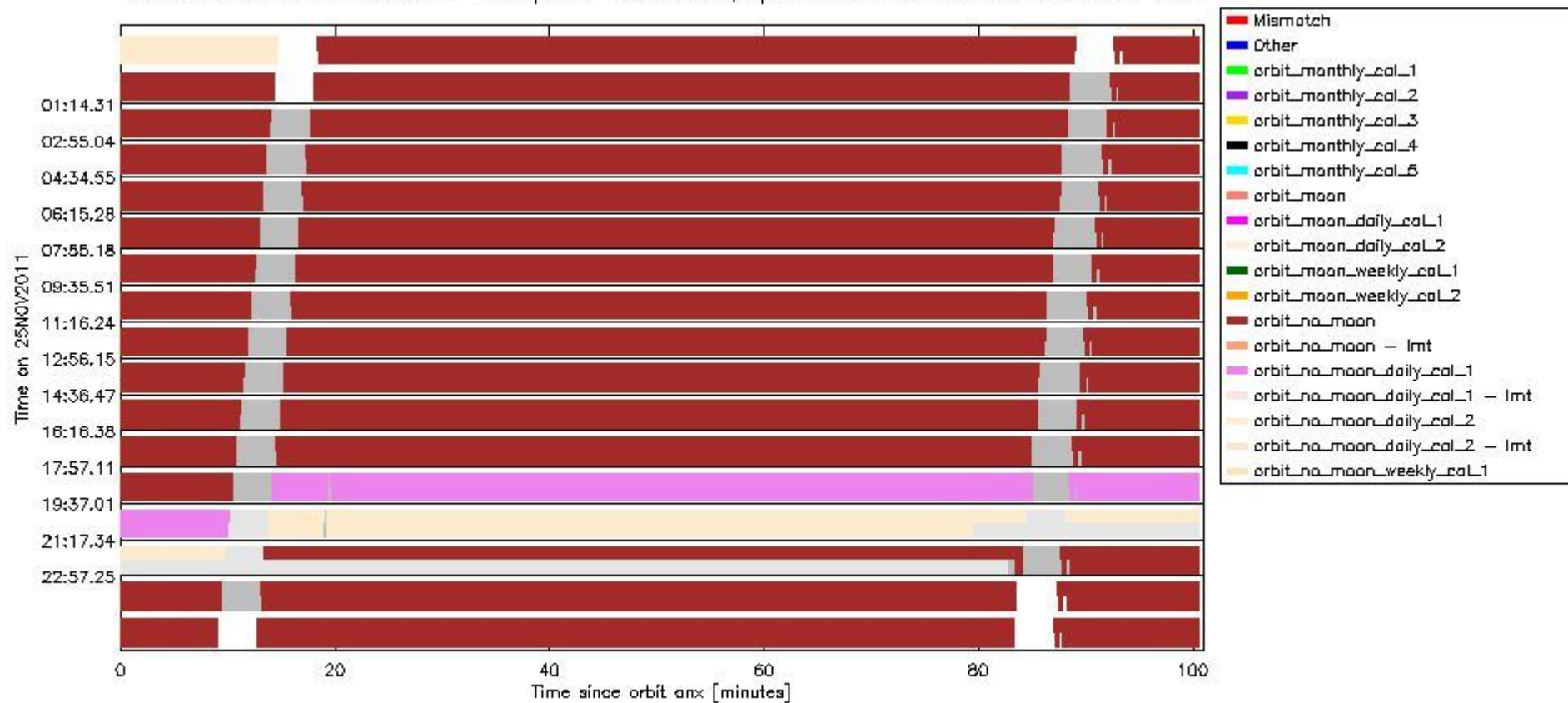


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111125\_5.PNG

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 25NOV2011.  
 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\_4504\_N\_20111125\_6.PNG

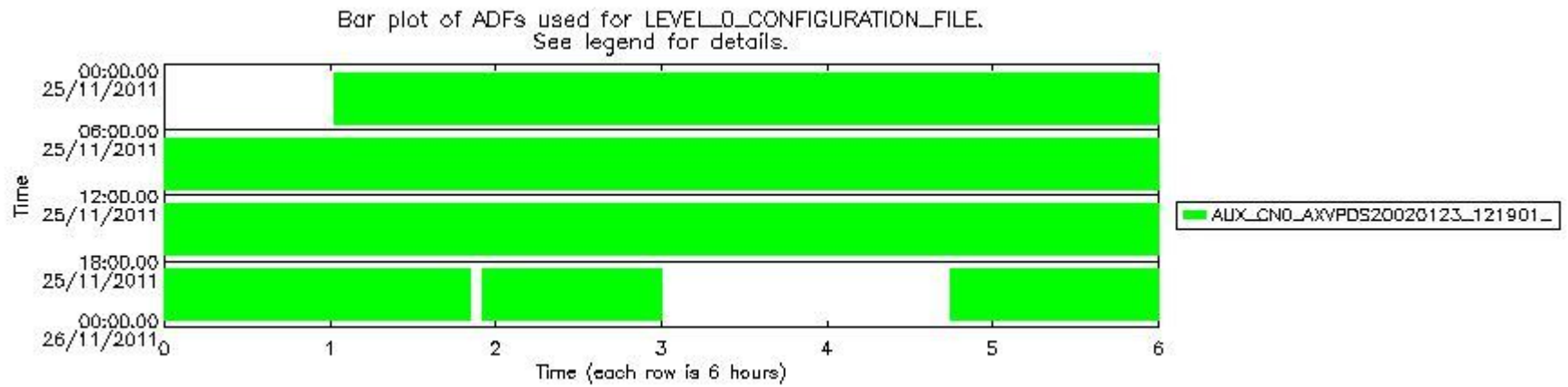
## 0.4 ADF monitoring

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

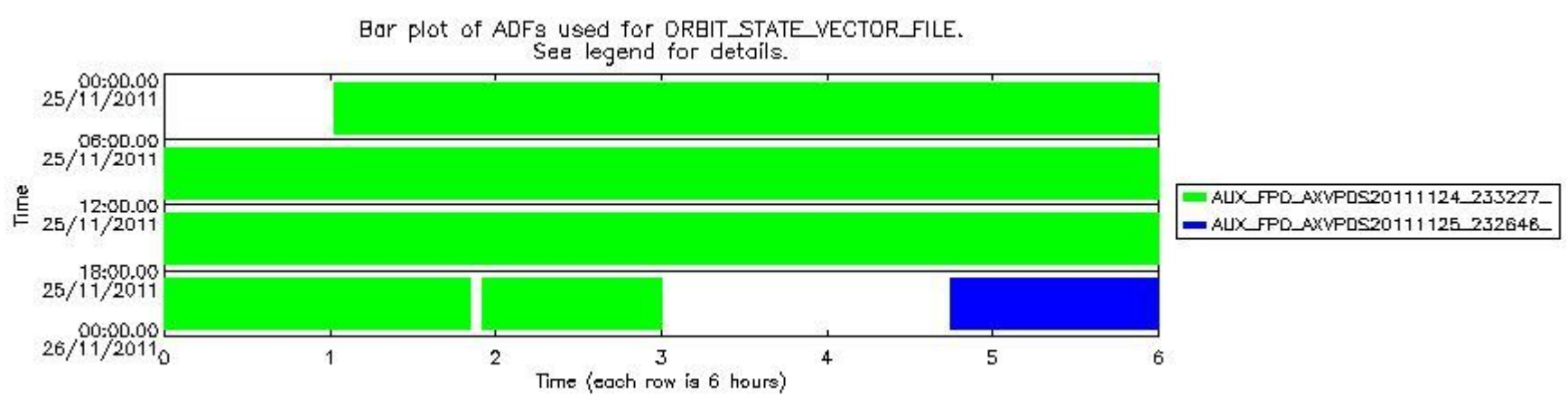
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

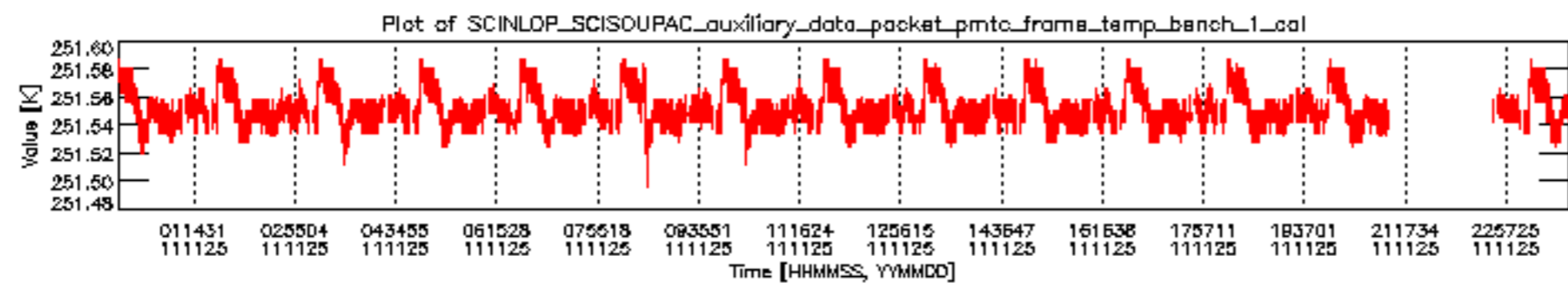
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20111124_233227_20111124_183345_20111204_204728</b>
2	<b>AUX_FPO_AXVPDS20111125_232646_20111125_193715_20111205_201043</b>



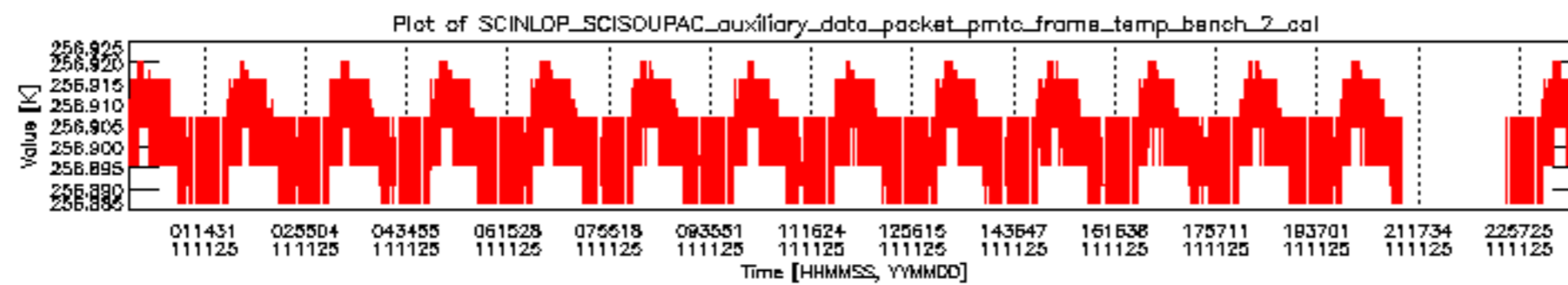
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111125\_7.PNG

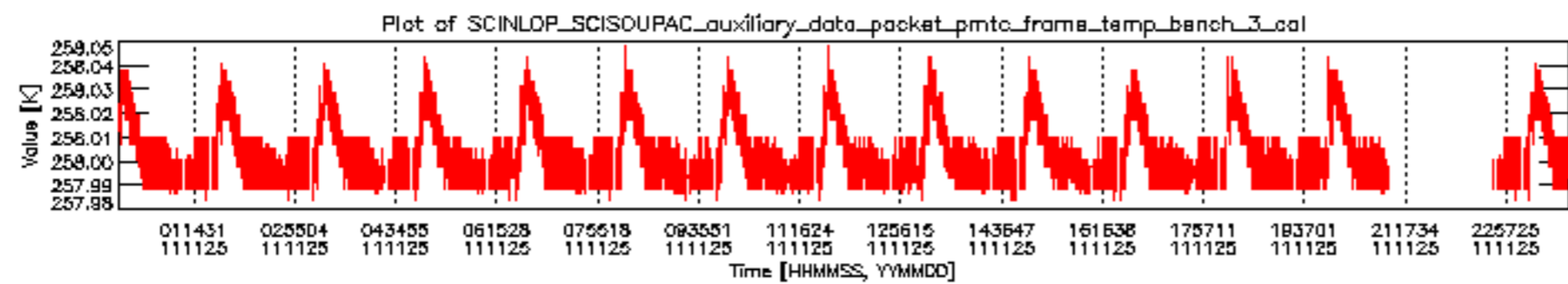


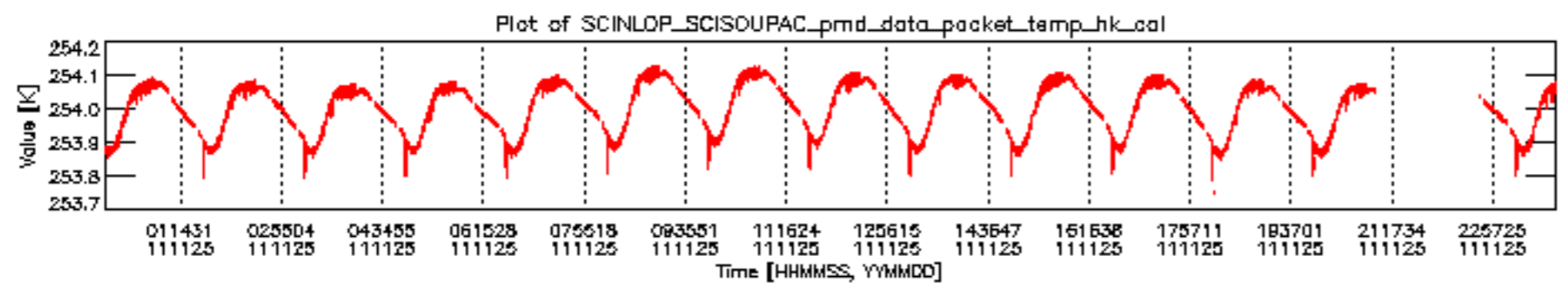
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111125\_8.PNG

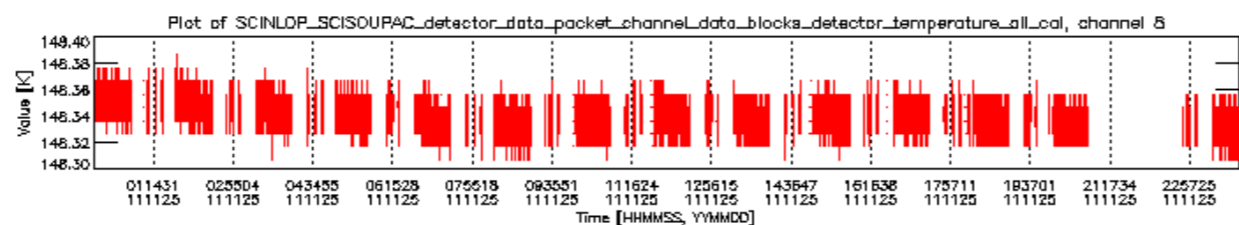
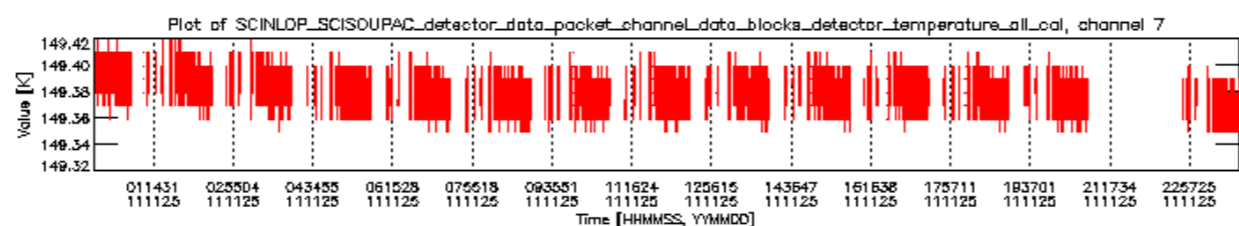
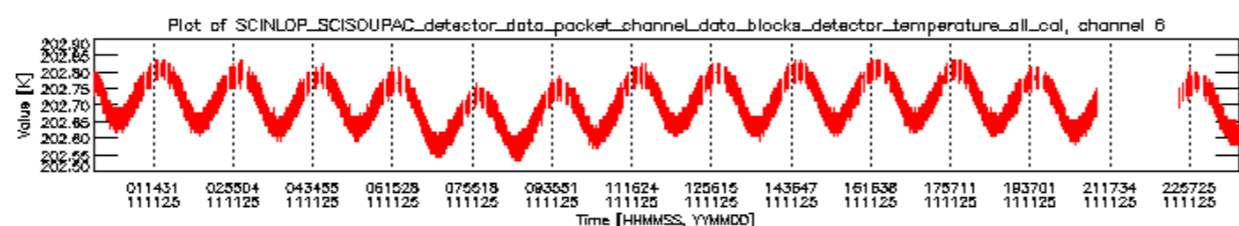
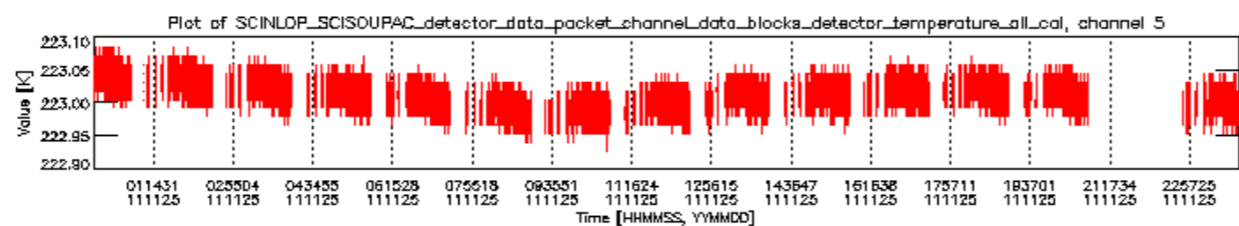
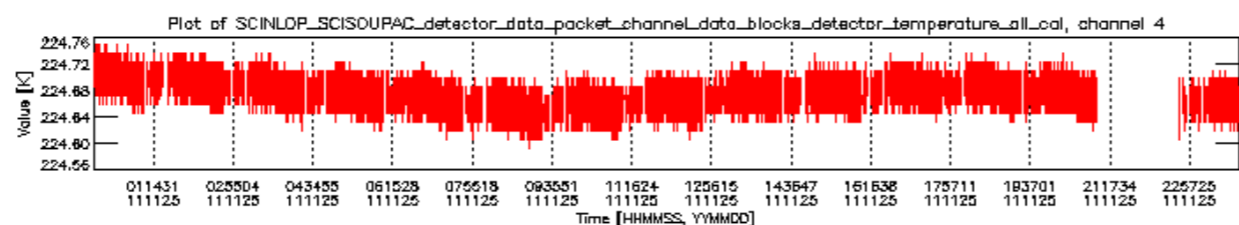
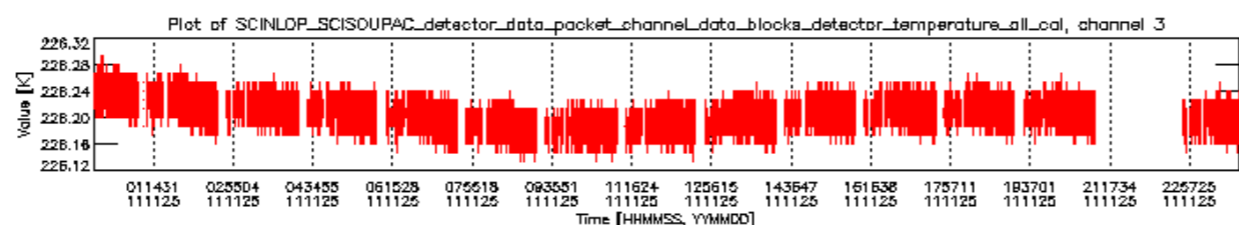
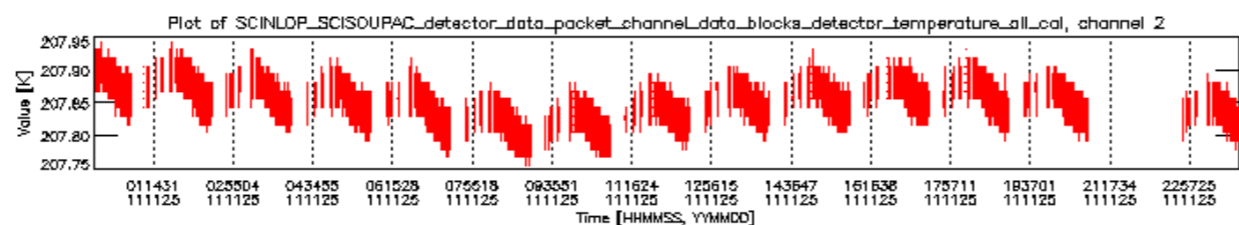
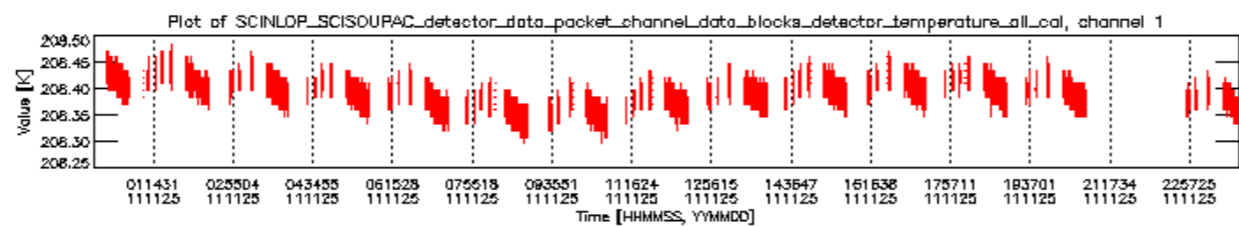














Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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