

# 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	30JAN2009 04:29:40
Data source version	KSPT_L0/4303-N
Processing scope for products	26JAN2009 00:00:00 to 27JAN2009 00:00:00
Start time of first product within scope	26JAN2009 00:03:42
Stop time of last product within scope	26JAN2009 23:53:24
Total number of level 0 products	17
Number of level 0 products with errors	0

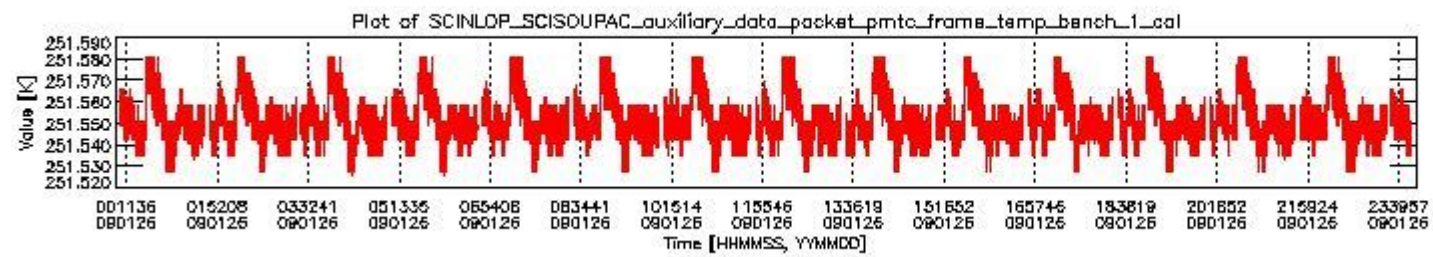
### 0.1.2 Summary per product

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

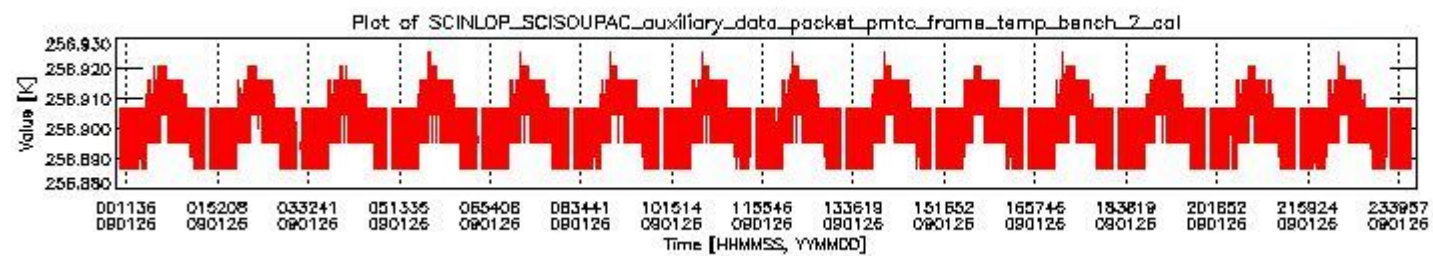
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090126_000342_000055882075_00488_36113_8367.N1	26JAN2009 00:03:42	26JAN2009 01:36:50	0	0	0	0	0
1	SCI_NL__OPNPDE20090126_014417_000043482075_00489_36114_8368.N1	26JAN2009 01:44:17	26JAN2009 02:56:46	0	0	0	0	0
2	SCI_NL__OPNPDE20090126_025646_000057872075_00490_36115_8369.N1	26JAN2009 02:56:46	26JAN2009 04:33:13	0	0	0	0	0
3	SCI_NL__OPNPDE20090126_043313_000060362075_00491_36116_8370.N1	26JAN2009 04:33:13	26JAN2009 06:13:48	0	0	0	0	0
4	SCI_NL__OPNPDK20090126_061348_000041012075_00492_36117_0552.N1	26JAN2009 06:13:48	26JAN2009 07:22:09	0	0	0	0	0
5	SCI_NL__OPNPDK20090126_072113_000061602075_00493_36118_0553.N1	26JAN2009 07:21:13	26JAN2009 09:03:53	0	0	0	0	0
6	SCI_NL__OPNPDK20090126_090148_000059672075_00494_36119_0554.N1	26JAN2009 09:01:48	26JAN2009 10:41:15	0	0	0	0	0
7	SCI_NL__OPNPDK20090126_104019_000061042075_00495_36120_0555.N1	26JAN2009 10:40:19	26JAN2009 12:22:03	0	0	0	0	0
8	SCI_NL__OPNPDK20090126_122055_000059802075_00496_36121_0556.N1	26JAN2009 12:20:55	26JAN2009 14:00:35	0	0	0	0	0
9	SCI_NL__OPNPDK20090126_135939_000060362075_00497_36122_0557.N1	26JAN2009 13:59:39	26JAN2009 15:40:14	0	0	0	0	0
10	SCI_NL__OPNPDK20090126_153700_000060362075_00498_36123_0558.N1	26JAN2009 15:37:00	26JAN2009 17:17:36	0	0	0	0	0
11	SCI_NL__OPNPDK20090126_171543_000060362075_00499_36124_0559.N1	26JAN2009 17:15:43	26JAN2009 18:56:19	0	0	0	0	0
12	SCI_NL__OPNPDK20090126_185427_000058662075_00500_36125_0560.N1	26JAN2009 18:54:27	26JAN2009 20:32:13	0	0	0	0	0
13	SCI_NL__OPNPDE20090126_203213_000043032075_00501_36126_8371.N1	26JAN2009 20:32:13	26JAN2009 21:43:56	0	0	0	0	0
14	SCI_NL__OPNPDK20090126_214356_000016932075_00501_36126_0561.N1	26JAN2009 21:43:56	26JAN2009 22:12:09	0	0	0	0	0
15	SCI_NL__OPNPDE20090126_221209_000043552076_00001_36127_8372.N1	26JAN2009 22:12:09	26JAN2009 23:24:44	0	0	0	0	0
16	SCI_NL__OPNPDE20090126_232444_000017202076_00001_36127_8373.N1	26JAN2009 23:24:44	26JAN2009 23:53:24	0	0	0	0	0

## 0.2 Product Quality Indicators

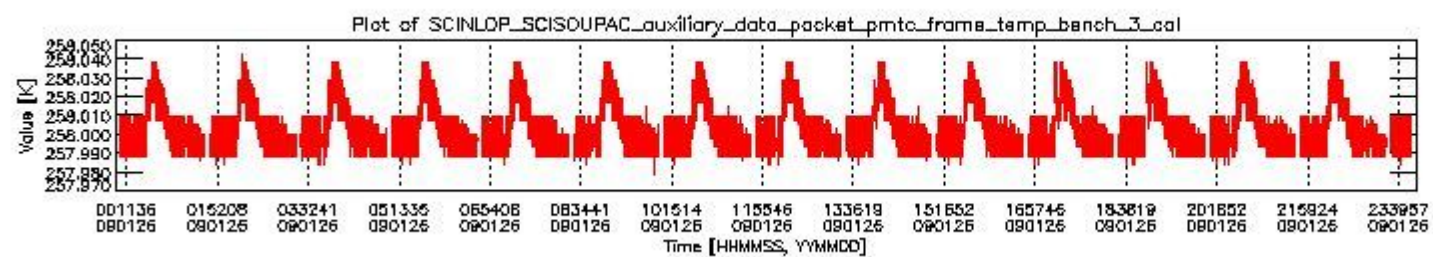
This section shows information about product quality, currently temperatures.



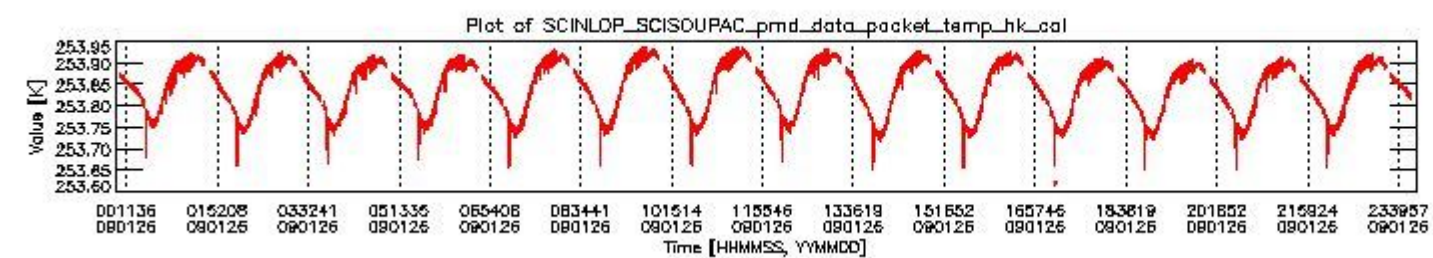
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090126\_0.PNG



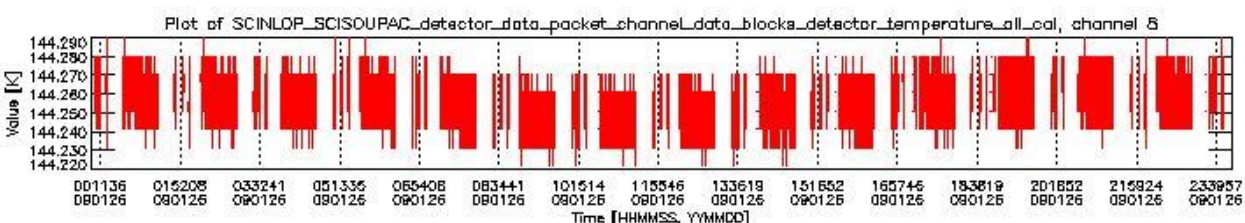
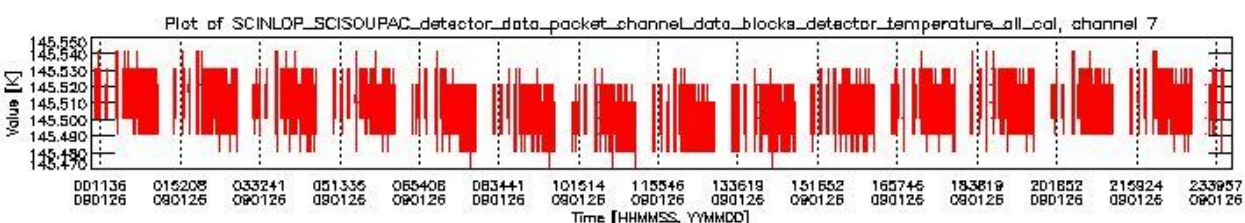
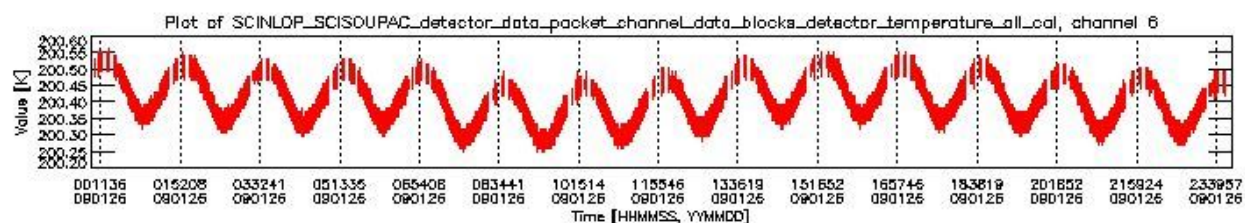
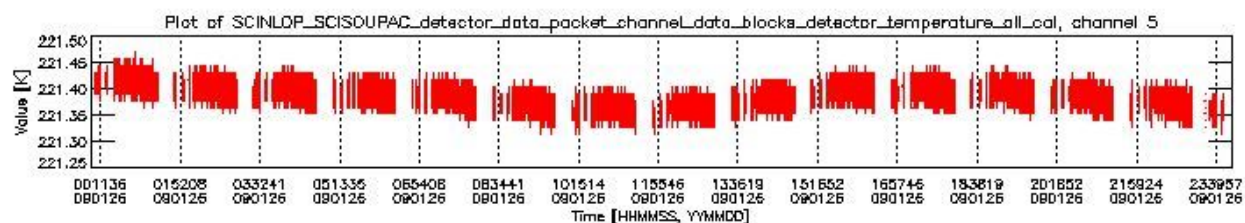
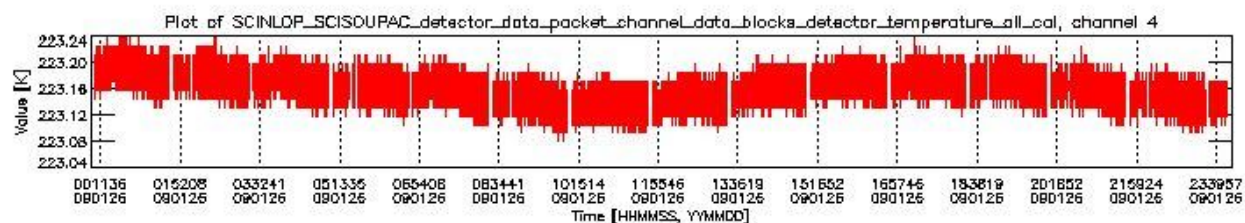
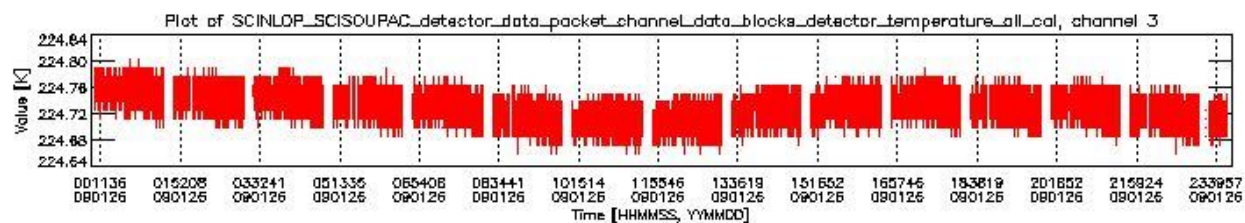
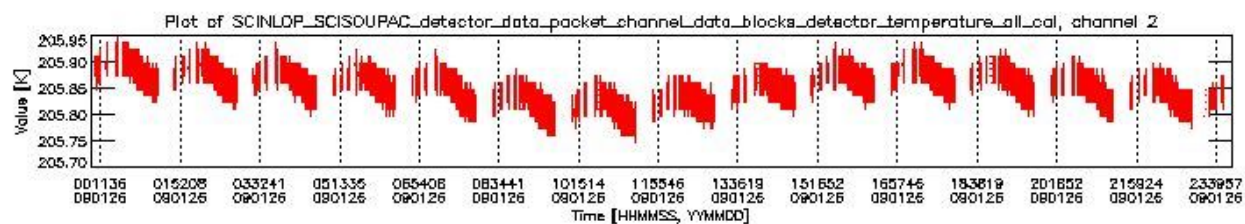
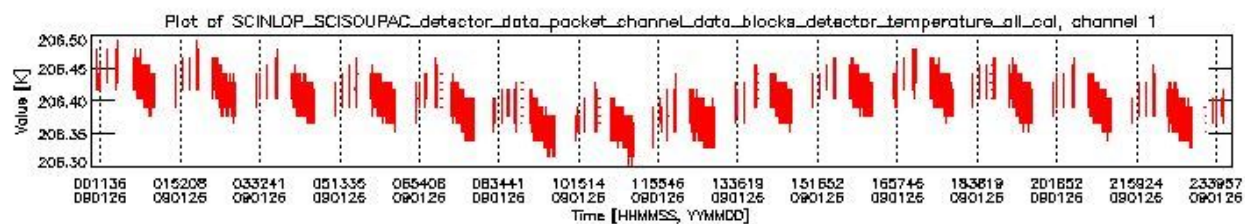
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090126\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090126\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090126\_3.PNG

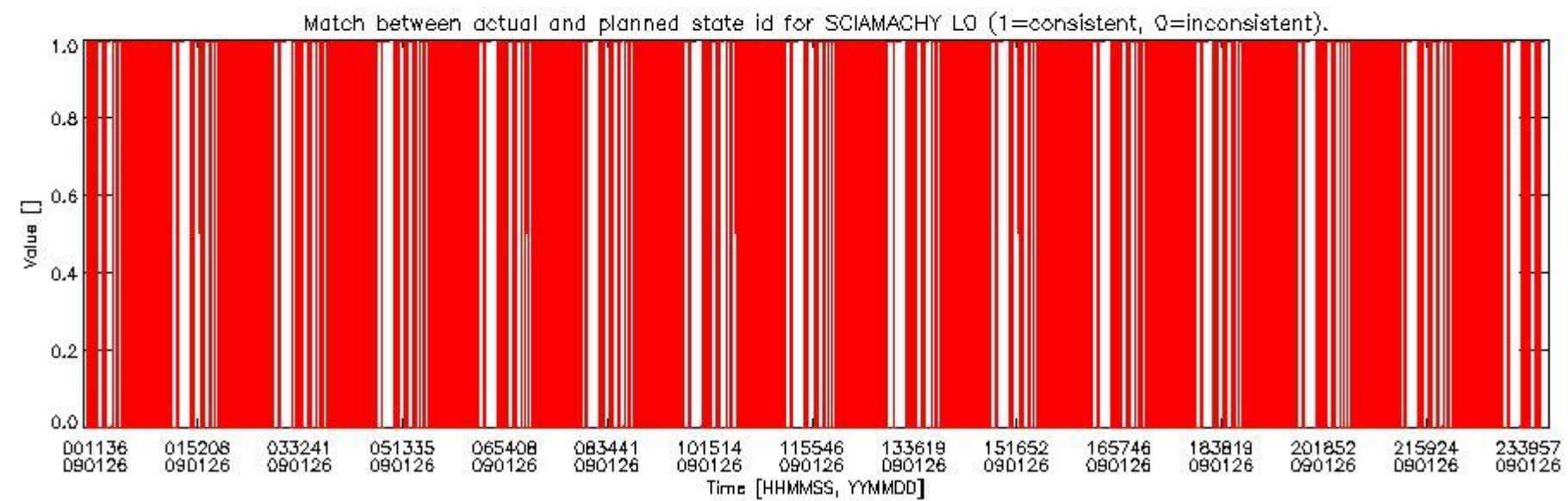
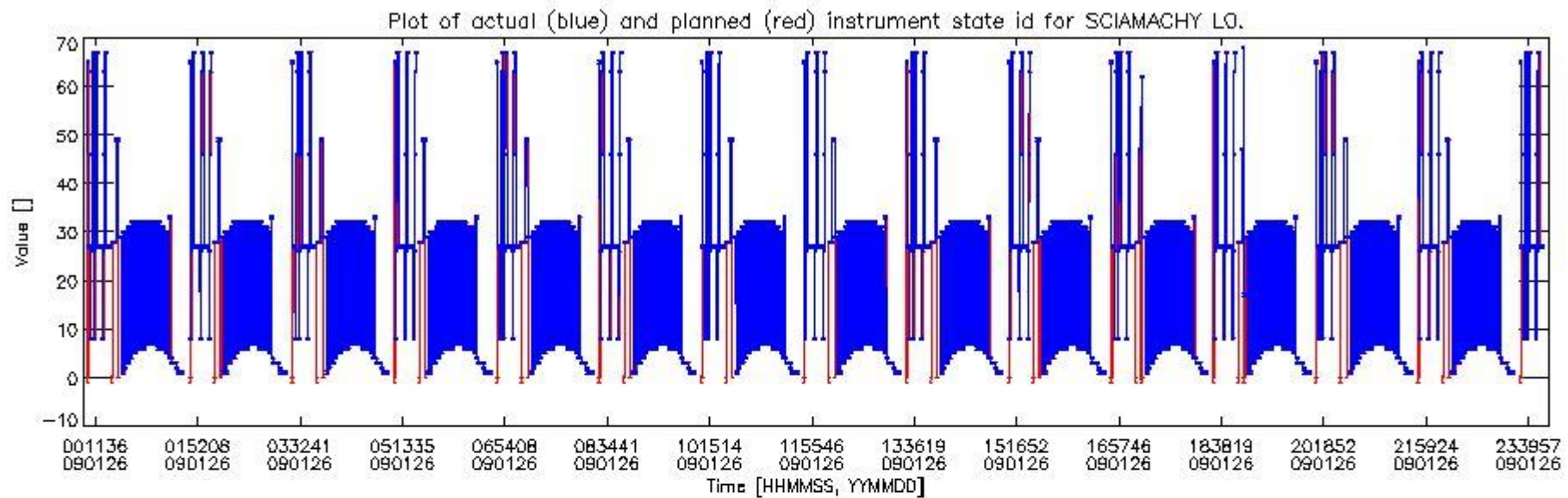


### 0.3 State monitoring

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: **53749**

#	Actual time	Actual value	Planned time	Planned value
0	26JAN2009 00:03:42.340415	65	26JAN2009 00:03:42.340415	0
1	26JAN2009 00:03:42.965437	65	26JAN2009 00:03:42.965437	0
2	26JAN2009 00:03:43.465414	65	26JAN2009 00:03:43.465414	0
3	26JAN2009 00:03:43.965432	65	26JAN2009 00:03:43.965432	0
4	26JAN2009 00:03:44.465409	65	26JAN2009 00:03:44.465409	0
5	26JAN2009 00:03:44.965426	65	26JAN2009 00:03:44.965426	0
6	26JAN2009 00:03:45.465444	65	26JAN2009 00:03:45.465444	0
7	26JAN2009 00:03:45.965421	65	26JAN2009 00:03:45.965421	0
8	26JAN2009 00:03:46.465438	65	26JAN2009 00:03:46.465438	0
9	26JAN2009 00:03:46.965415	65	26JAN2009 00:03:46.965415	0
10	26JAN2009 00:03:47.340429	65	26JAN2009 00:03:47.340429	0
11	26JAN2009 00:03:47.465433	65	26JAN2009 00:03:47.465433	0
12	26JAN2009 00:03:47.965410	65	26JAN2009 00:03:47.965410	0
13	26JAN2009 00:03:48.465427	65	26JAN2009 00:03:48.465427	0
14	26JAN2009 00:03:48.965445	65	26JAN2009 00:03:48.965445	0
15	26JAN2009 00:03:49.465422	65	26JAN2009 00:03:49.465422	0
16	26JAN2009 00:03:49.965439	65	26JAN2009 00:03:49.965439	0
17	26JAN2009 00:03:50.465417	65	26JAN2009 00:03:50.465417	0
18	26JAN2009 00:03:50.965434	65	26JAN2009 00:03:50.965434	0
19	26JAN2009 00:03:51.465411	65	26JAN2009 00:03:51.465411	0
	...	...	...	...

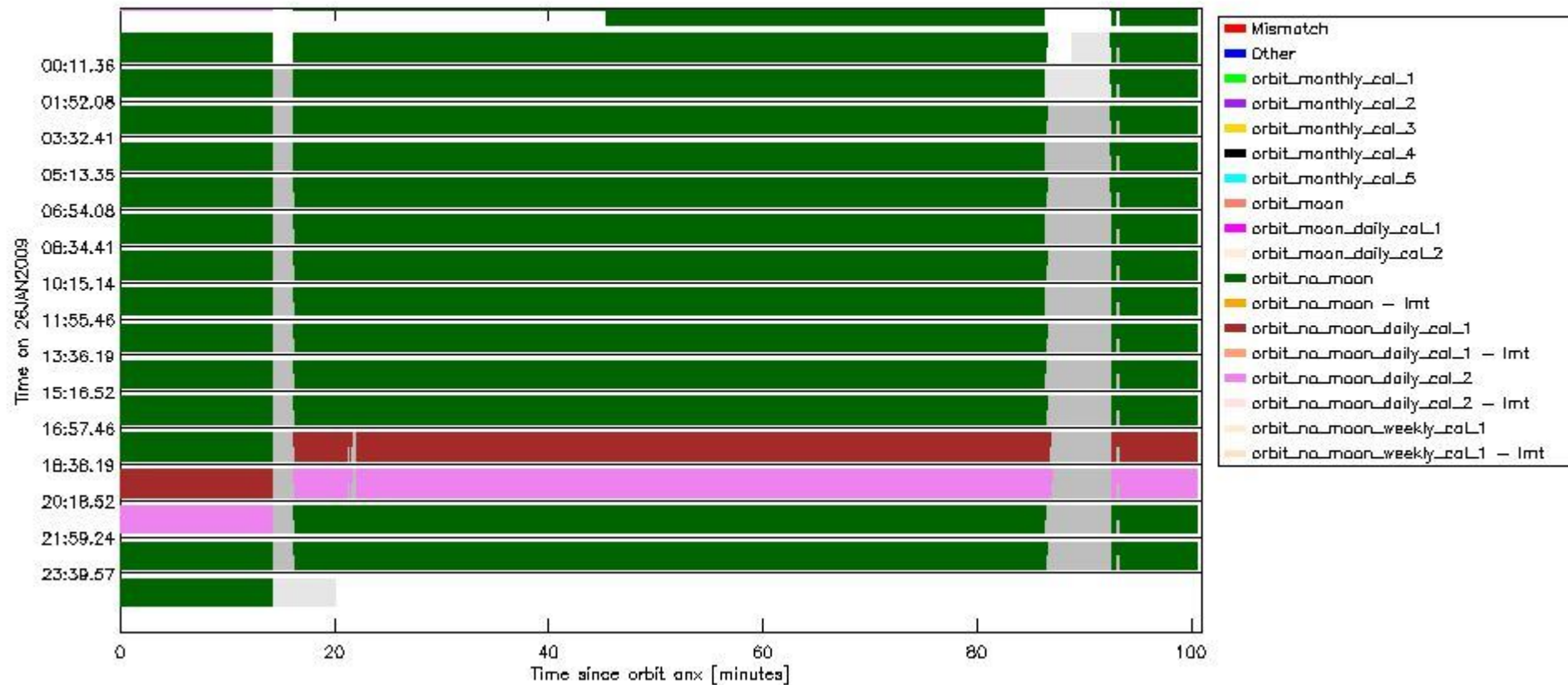


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090126\_5.PNG

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 26JAN2009.  
 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\_20090126\_6.PNG

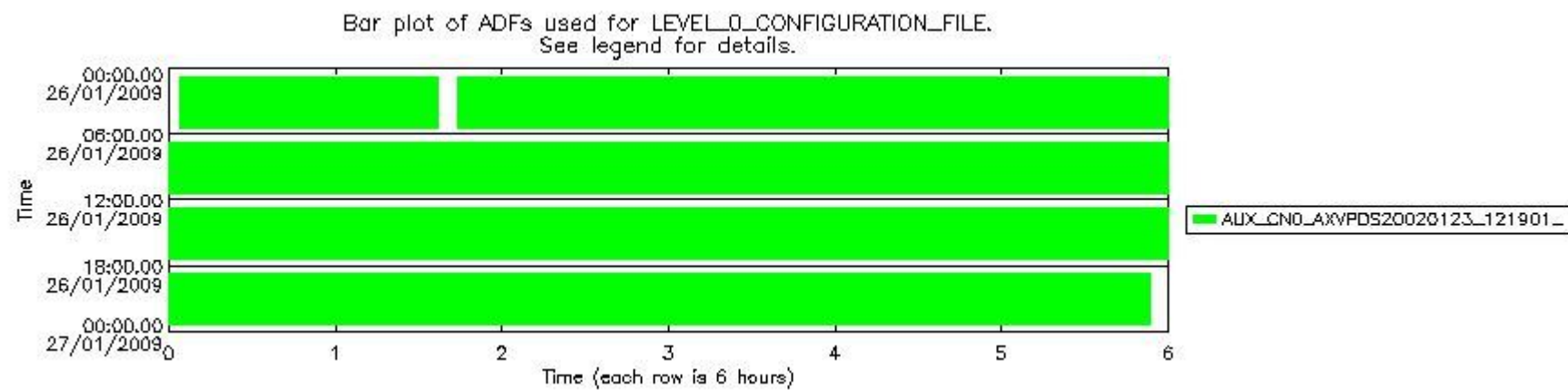
## 0.4 ADF monitoring

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

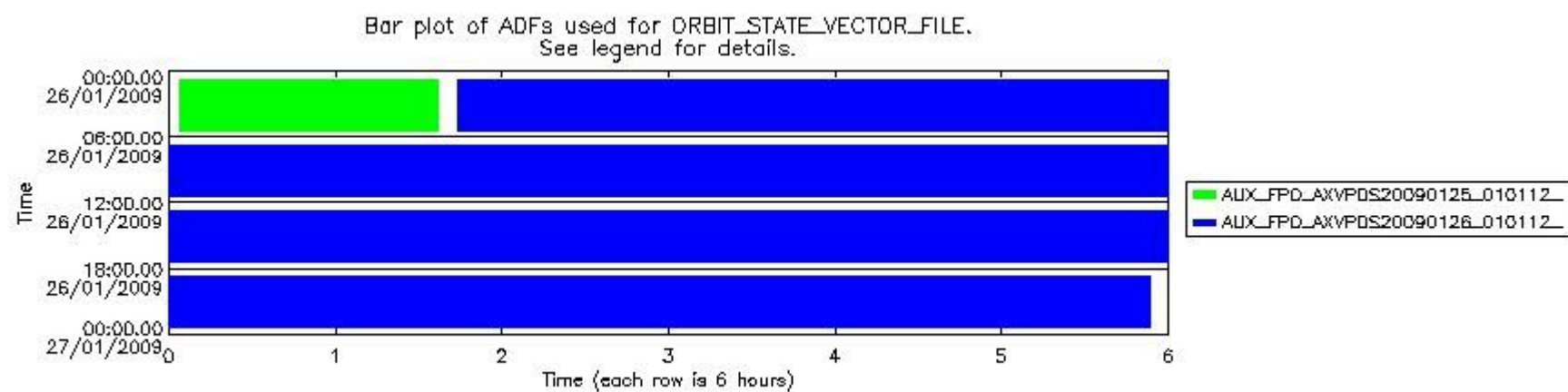
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

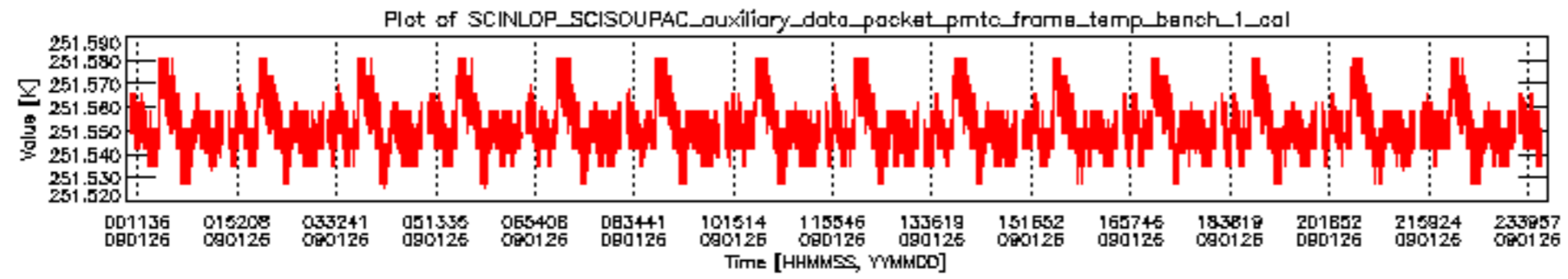
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20090125_010112_20090124_194128_20090203_210740
2	AUX_FPO_AXVPDS20090126_010112_20090125_190951_20090204_203603



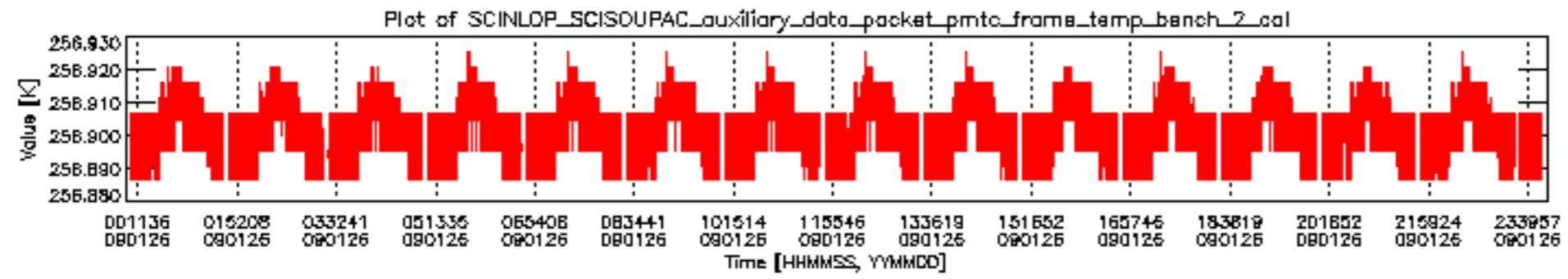
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090126\_7.PNG

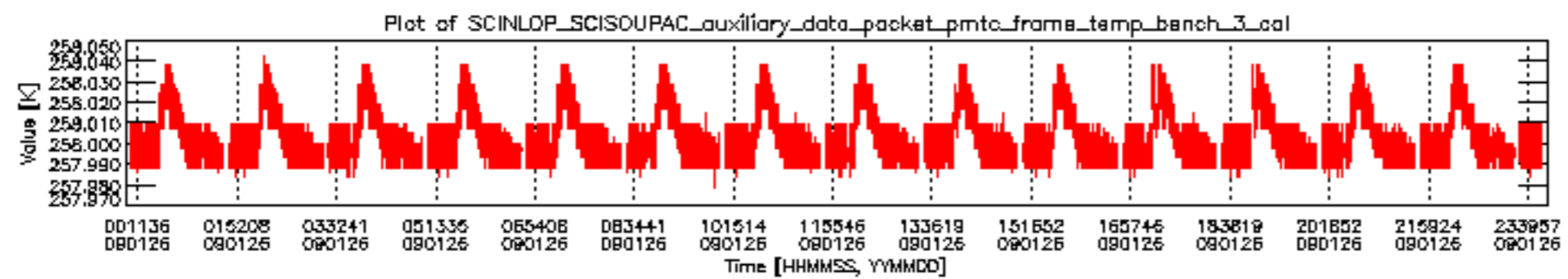


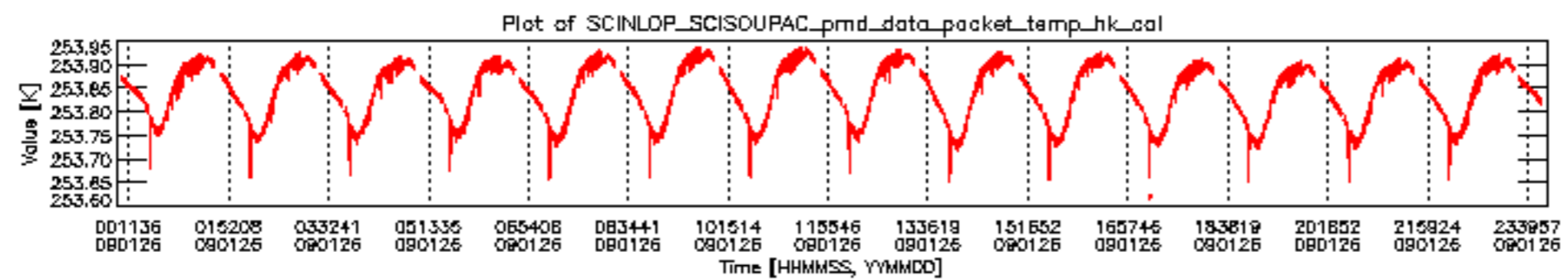
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090126\_8.PNG

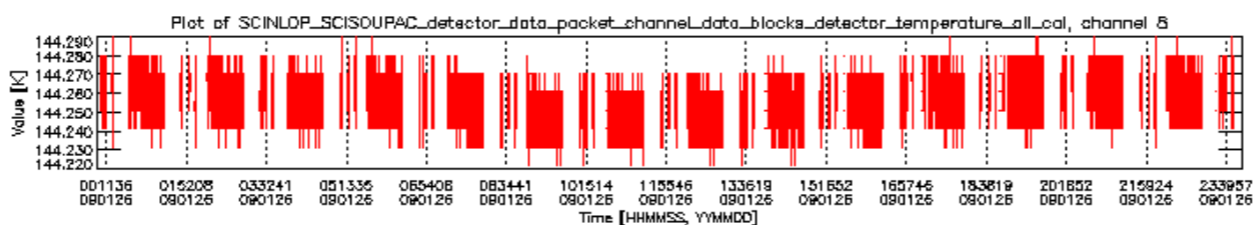
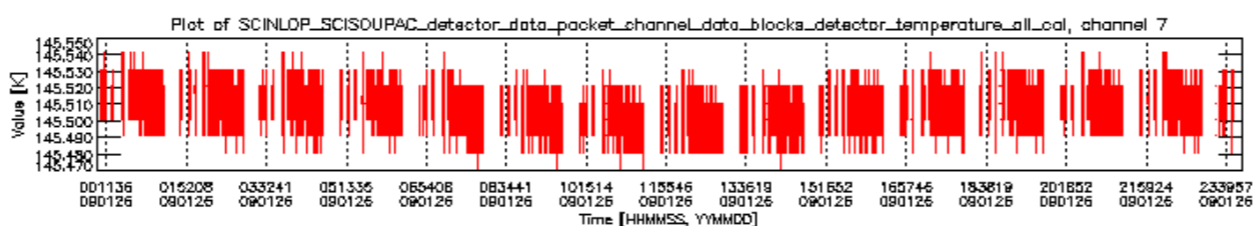
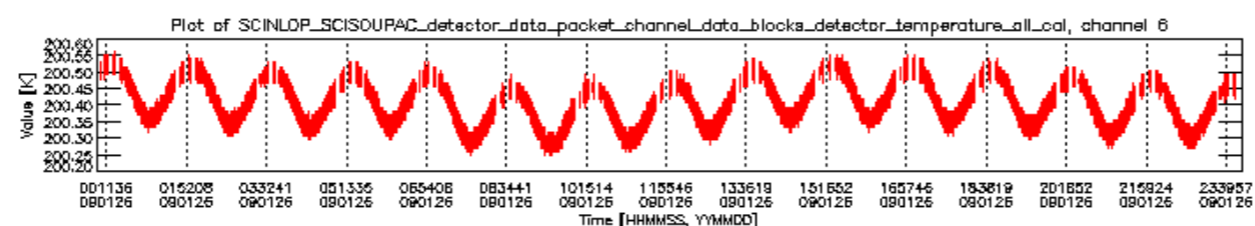
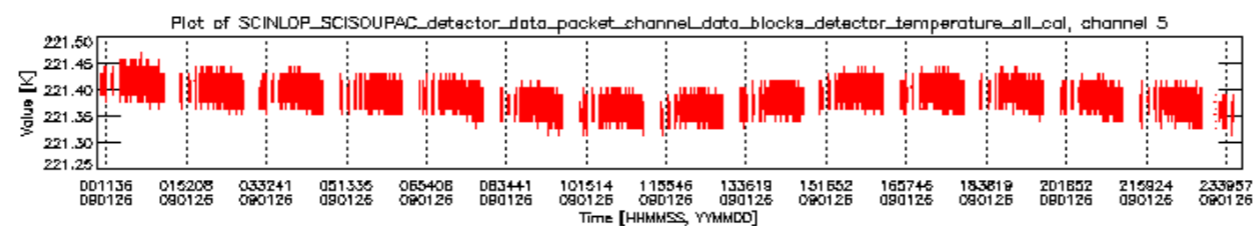
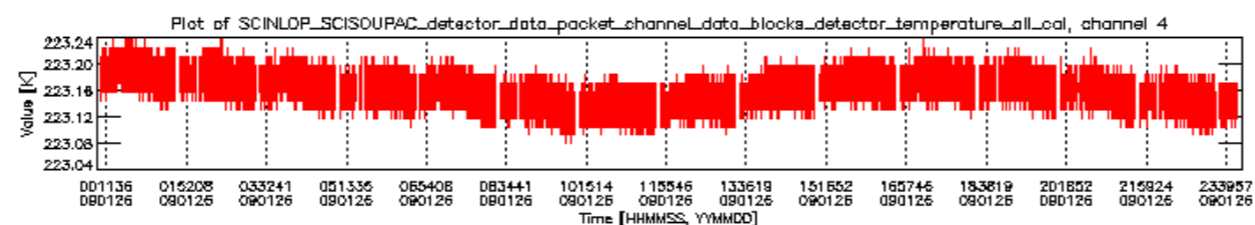
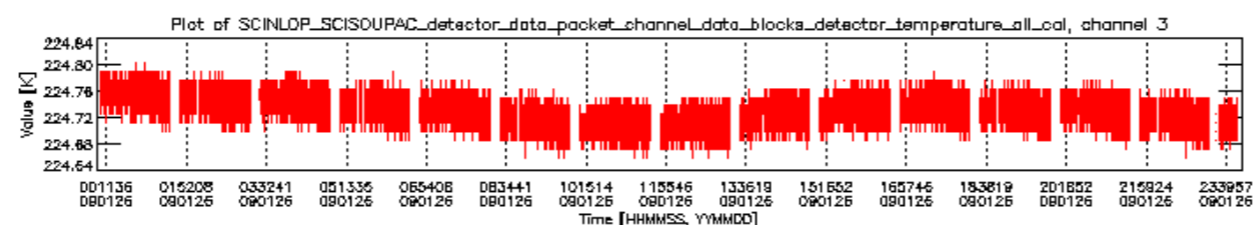
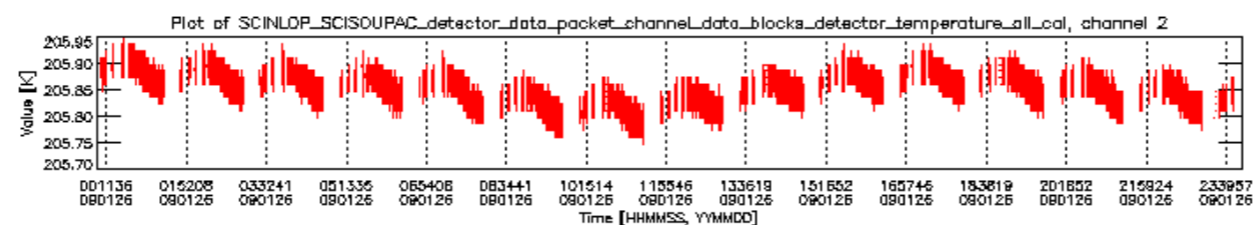
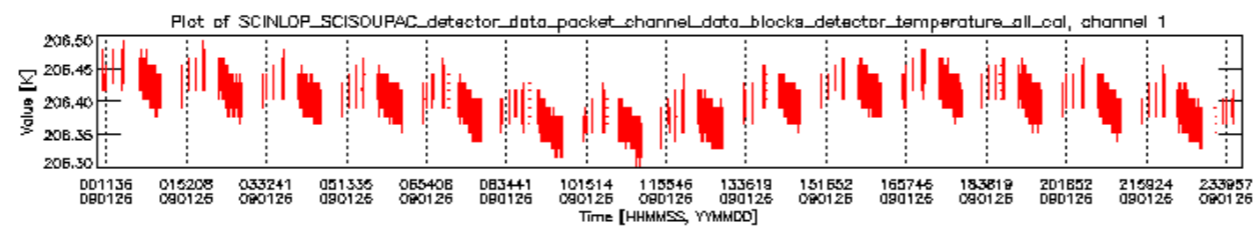














Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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