

## 0. SCIAMACHY Daily Report for Level 0 products

### [0.1 General Info](#)

### [0.2 Product Quality Indicators](#)

### [0.3 State monitoring](#)

### [0.4 ADF monitoring](#)

## 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	06JAN2012 03:13:14
Data source version	KSPT_L0/4504-N
Processing scope for products	30DEC2011 00:00:00 to 31DEC2011 00:00:00
Start time of first product within scope	30DEC2011 01:19:02
Stop time of last product within scope	31DEC2011 00:41:51
Total number of Level 0 products	14
Number of Level 0 products with errors	0

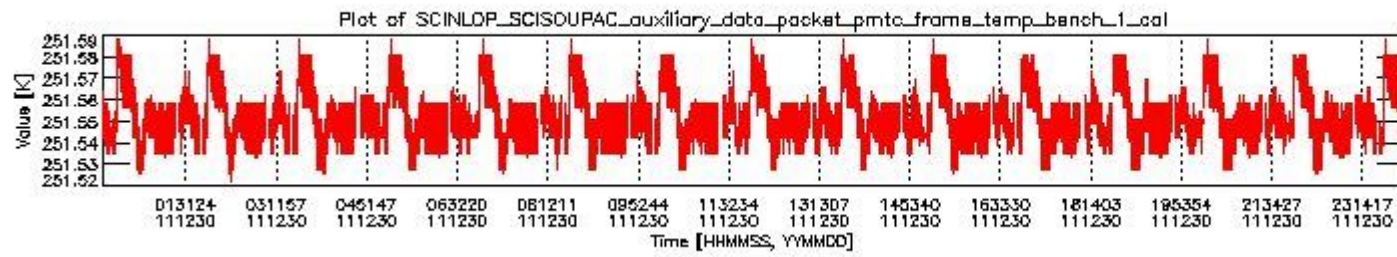
### 0.1.2 Summary per product

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

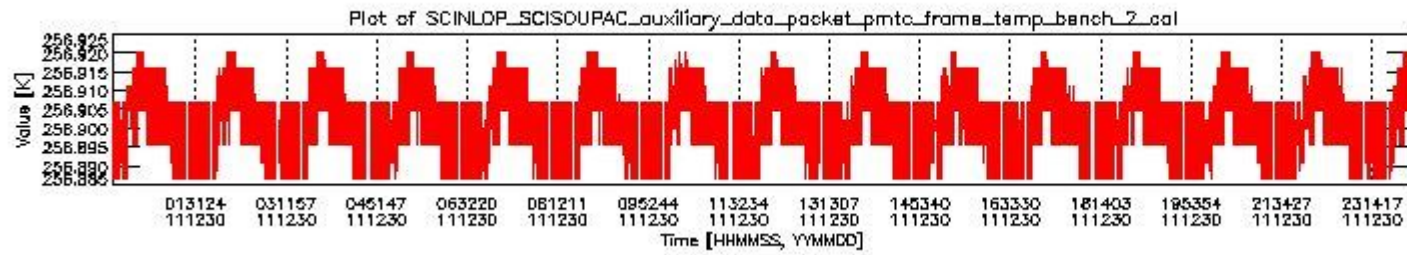
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20111230_011902_000102533110_00117_51424_4601.N1	30DEC2011 01:19:02	30DEC2011 04:09:55	0	0	0	0	0
1	SCI_NL__OPNPDE20111230_040955_000061943110_00119_51426_4602.N1	30DEC2011 04:09:55	30DEC2011 05:53:09	0	0	0	0	0
2	SCI_NL__OPNPDE20111230_055214_000061383110_00120_51427_4603.N1	30DEC2011 05:52:14	30DEC2011 07:34:32	0	0	0	0	0
3	SCI_NL__OPNPDK20111230_073432_000038993110_00121_51428_6792.N1	30DEC2011 07:34:32	30DEC2011 08:39:30	0	0	0	0	0
4	SCI_NL__OPNPDK20111230_083834_000060703110_00122_51429_6793.N1	30DEC2011 08:38:34	30DEC2011 10:19:44	0	0	0	0	0
5	SCI_NL__OPNPDK20111230_101848_000059583110_00123_51430_6794.N1	30DEC2011 10:18:48	30DEC2011 11:58:06	0	0	0	0	0
6	SCI_NL__OPNPDK20111230_115452_000060143110_00124_51431_6795.N1	30DEC2011 11:54:52	30DEC2011 13:35:06	0	0	0	0	0
7	SCI_NL__OPNPDK20111230_133506_000060143110_00125_51432_6796.N1	30DEC2011 13:35:06	30DEC2011 15:15:20	0	0	0	0	0
8	SCI_NL__OPNPDK20111230_151520_000059573110_00126_51433_6797.N1	30DEC2011 15:15:20	30DEC2011 16:54:37	0	0	0	0	0
9	SCI_NL__OPNPDK20111230_165245_000057323110_00127_51434_6798.N1	30DEC2011 16:52:45	30DEC2011 18:28:17	0	0	0	0	0
10	SCI_NL__OPNPDK20111230_182817_000059743110_00128_51435_6799.N1	30DEC2011 18:28:17	30DEC2011 20:07:51	0	0	0	0	0
11	SCI_NL__OPNPDE20111230_200751_000044293110_00129_51436_4604.N1	30DEC2011 20:07:51	30DEC2011 21:21:41	0	0	0	0	0
12	SCI_NL__OPNPDE20111230_212141_000059843110_00129_51436_4605.N1	30DEC2011 21:21:41	30DEC2011 23:01:24	0	0	0	0	0
13	SCI_NL__OPNPDE20111230_230735_000056563110_00130_51437_4606.N1	30DEC2011 23:07:35	31DEC2011 00:41:51	0	0	0	0	0

## 0.2 Product Quality Indicators

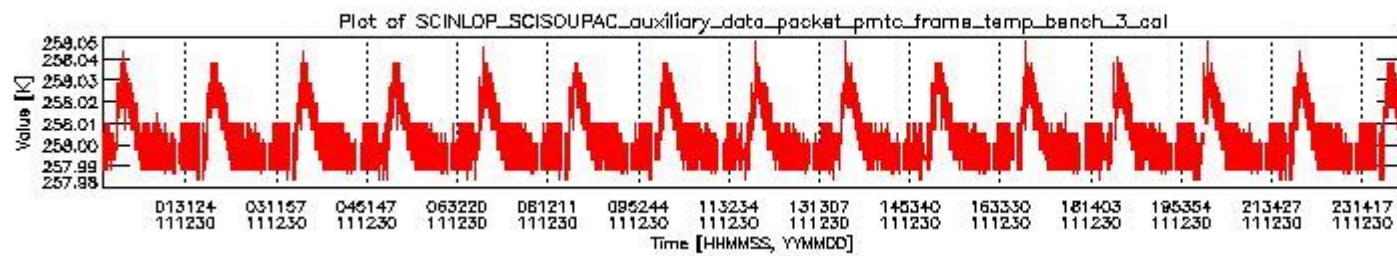
This section shows information about product quality, currently temperatures.



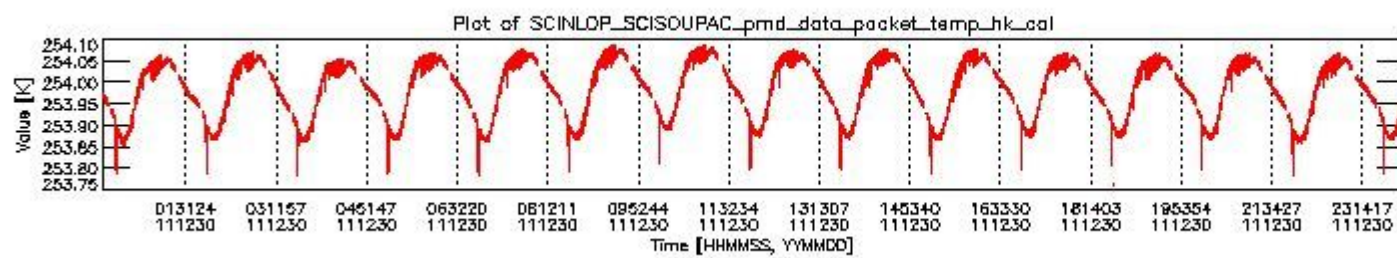
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111230\_0.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111230\_1.PNG

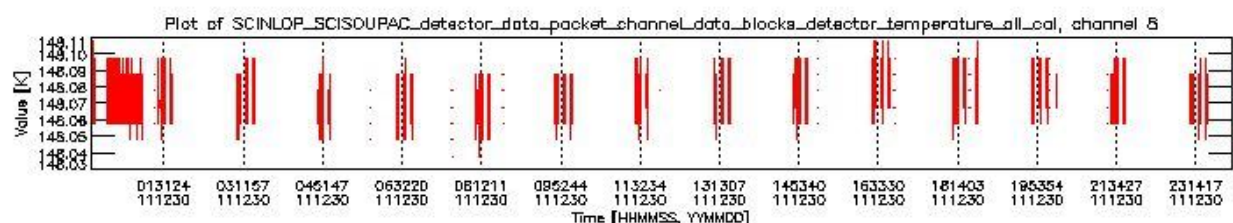
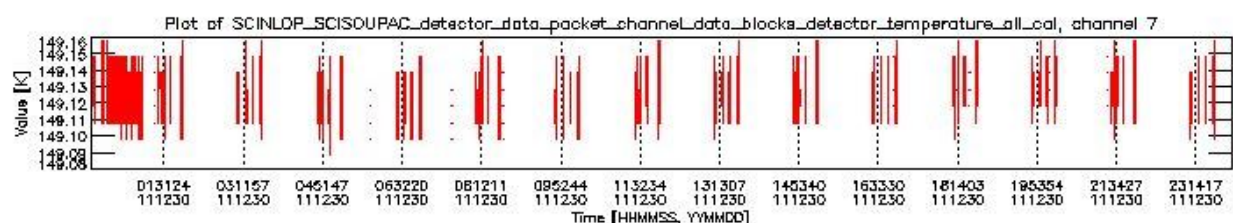
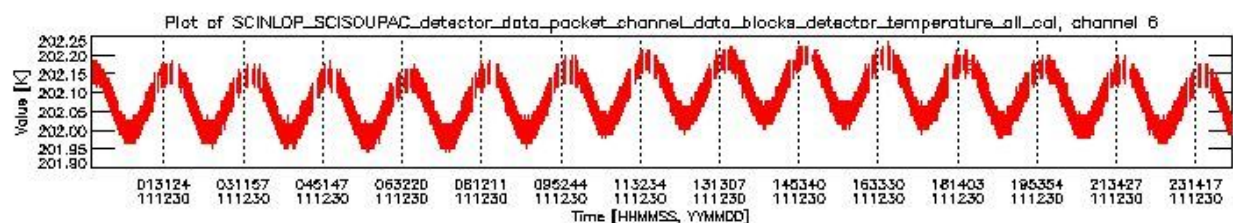
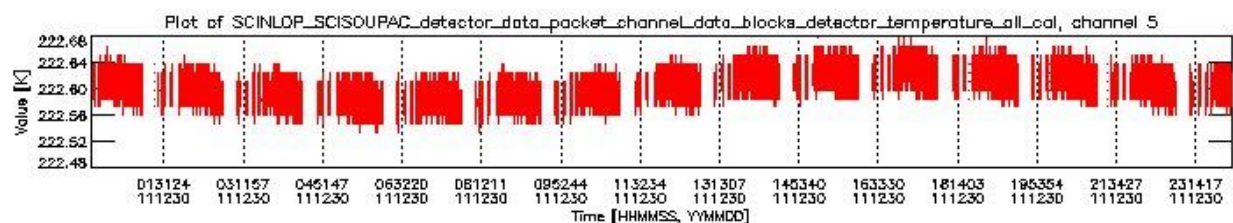
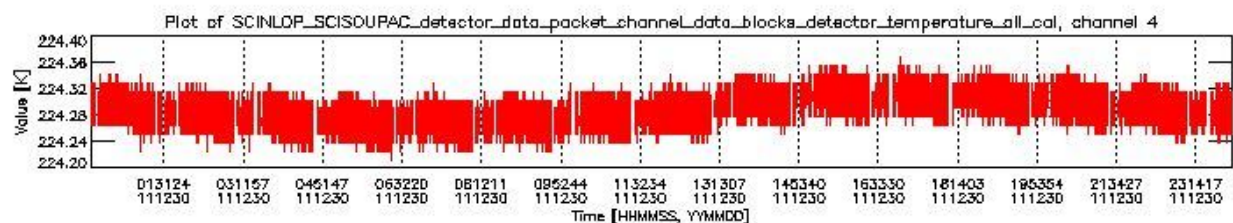
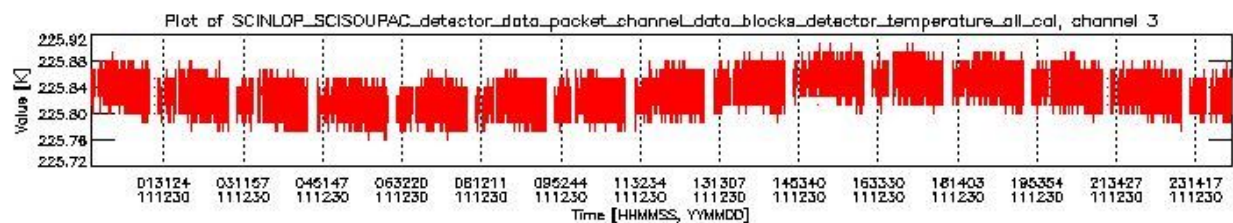
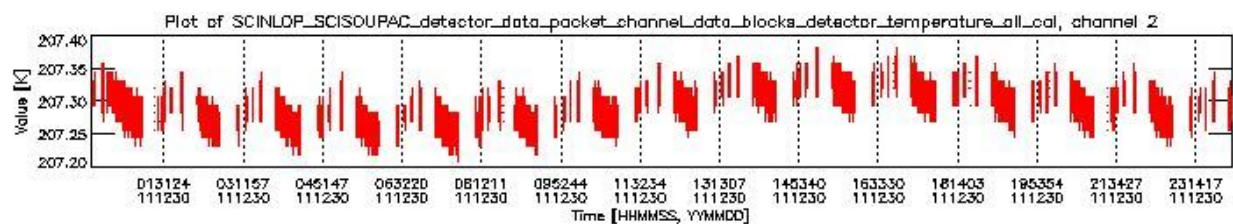
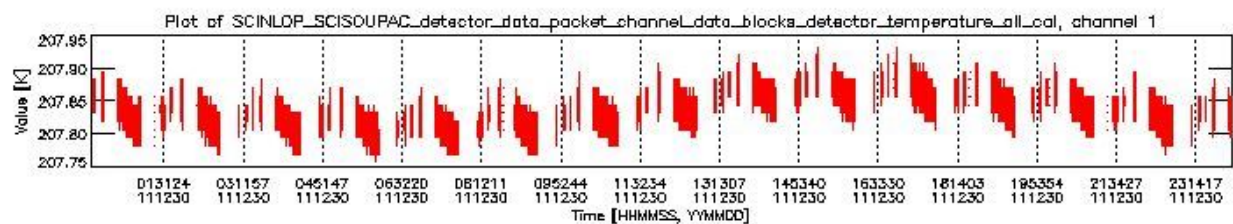


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111230\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111230\_3.PNG



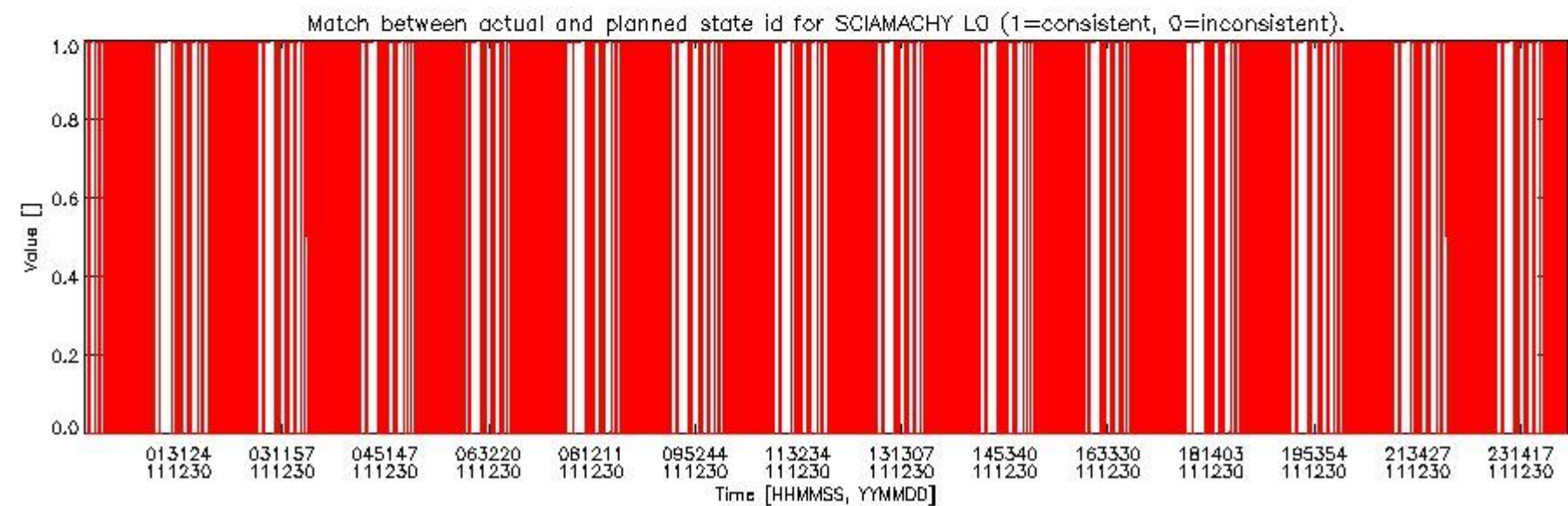
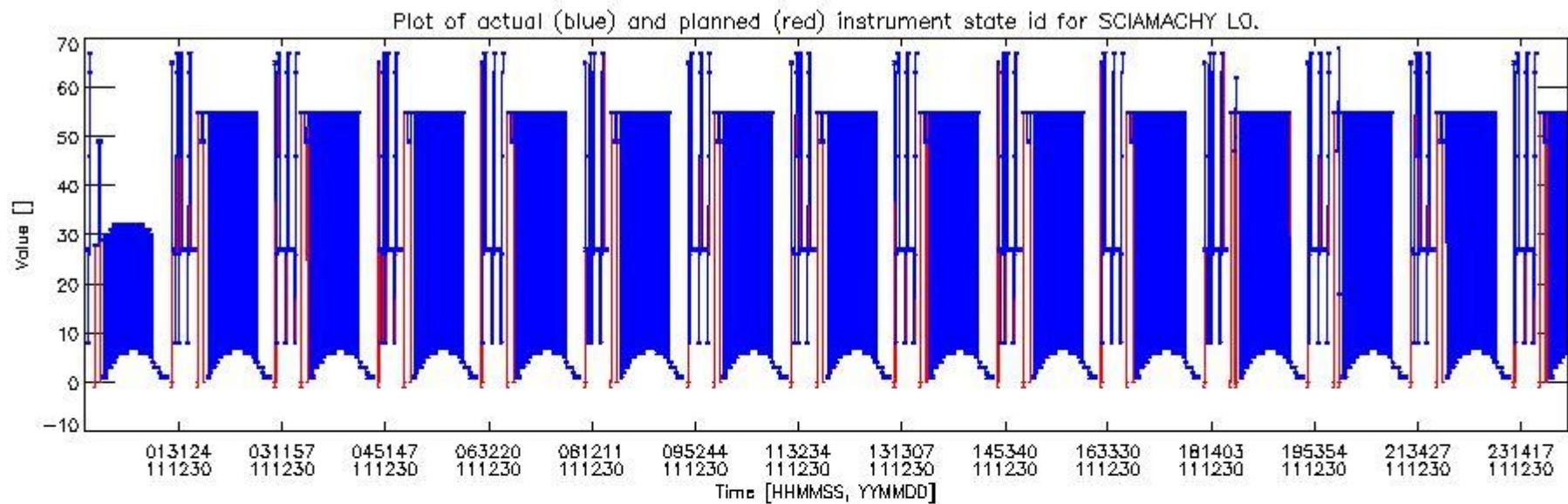


### 0.3 State monitoring

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: **44455**

#	Actual time	Actual value	Planned time	Planned value
0	30DEC2011 00:03:00.443676	8	30DEC2011 00:03:00.443676	27
1	30DEC2011 00:03:01.068676	8	30DEC2011 00:03:01.068676	27
2	30DEC2011 00:03:01.568676	8	30DEC2011 00:03:01.568676	27
3	30DEC2011 00:03:02.068676	8	30DEC2011 00:03:02.068676	27
4	30DEC2011 00:03:02.568676	8	30DEC2011 00:03:02.568676	27
5	30DEC2011 00:03:03.068676	8	30DEC2011 00:03:03.068676	27
6	30DEC2011 00:03:03.568676	8	30DEC2011 00:03:03.568676	27
7	30DEC2011 00:03:04.068676	8	30DEC2011 00:03:04.068676	27
8	30DEC2011 00:03:04.568676	8	30DEC2011 00:03:04.568676	27
9	30DEC2011 00:03:05.068676	8	30DEC2011 00:03:05.068676	27
10	30DEC2011 00:03:05.443676	8	30DEC2011 00:03:05.443676	27
11	30DEC2011 00:03:05.568676	8	30DEC2011 00:03:05.568676	27
12	30DEC2011 00:03:06.068676	8	30DEC2011 00:03:06.068676	27
13	30DEC2011 00:03:06.568676	8	30DEC2011 00:03:06.568676	27
14	30DEC2011 00:03:07.068676	8	30DEC2011 00:03:07.068676	27
15	30DEC2011 00:03:07.568676	8	30DEC2011 00:03:07.568676	27
16	30DEC2011 00:03:08.068676	8	30DEC2011 00:03:08.068676	27
17	30DEC2011 00:03:08.568676	8	30DEC2011 00:03:08.568676	27
18	30DEC2011 00:03:09.068676	8	30DEC2011 00:03:09.068676	27
19	30DEC2011 00:03:09.568676	8	30DEC2011 00:03:09.568676	27
	...	...	...	...



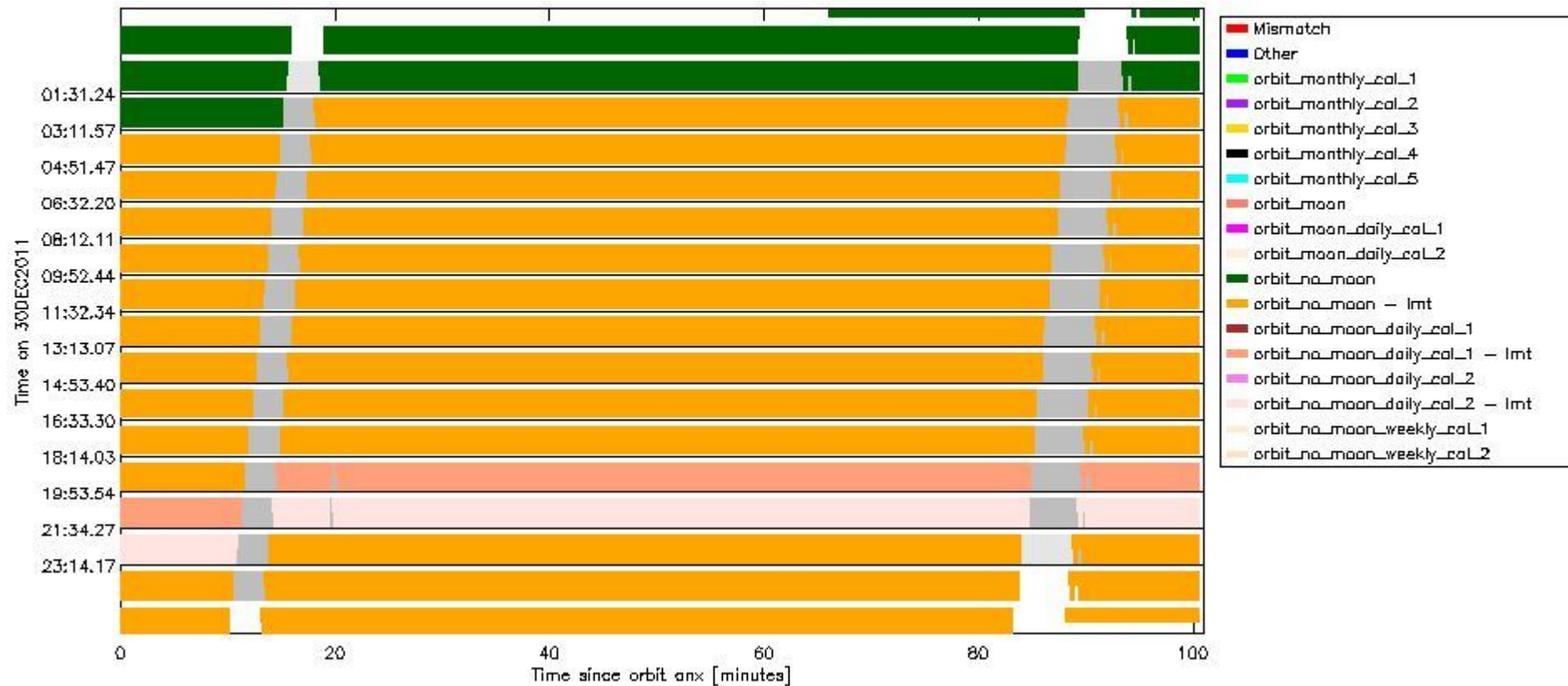
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111230\_5.PNG

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 30DEC2011.  
 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\_20111230\_6.PNG

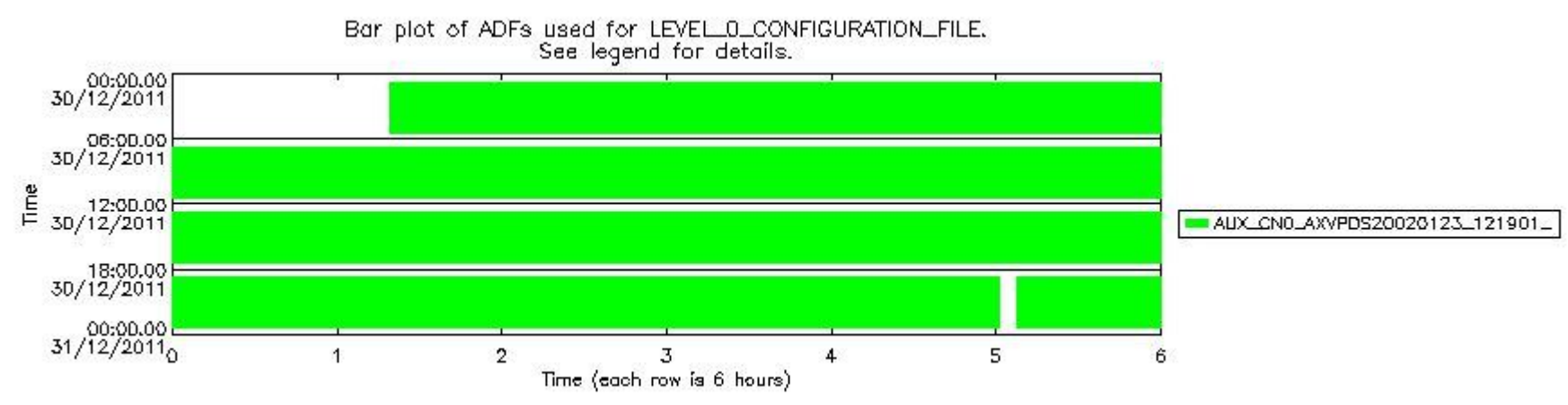
## 0.4 ADF monitoring

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

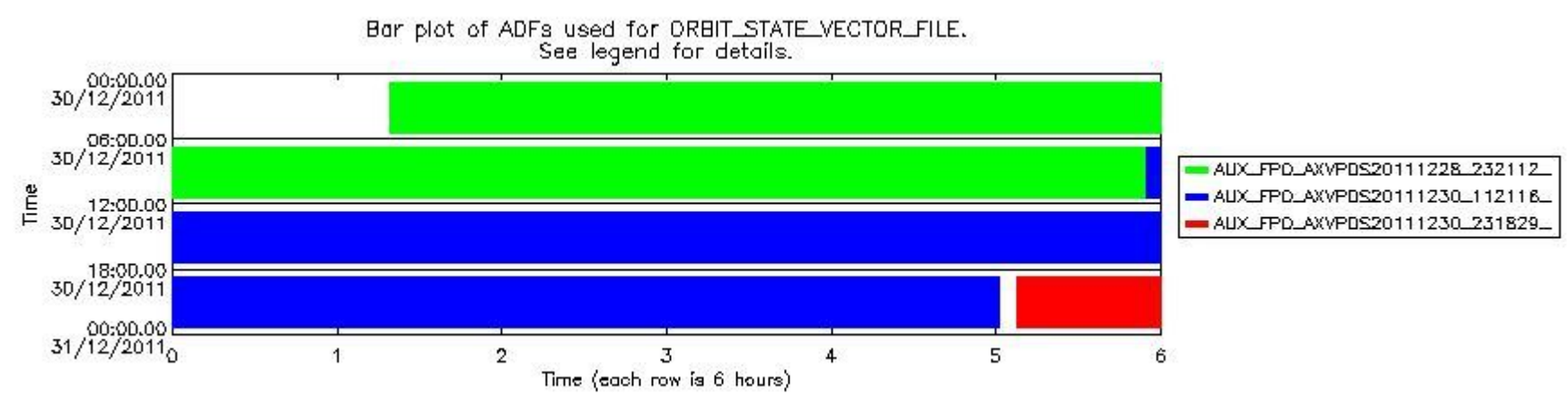
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

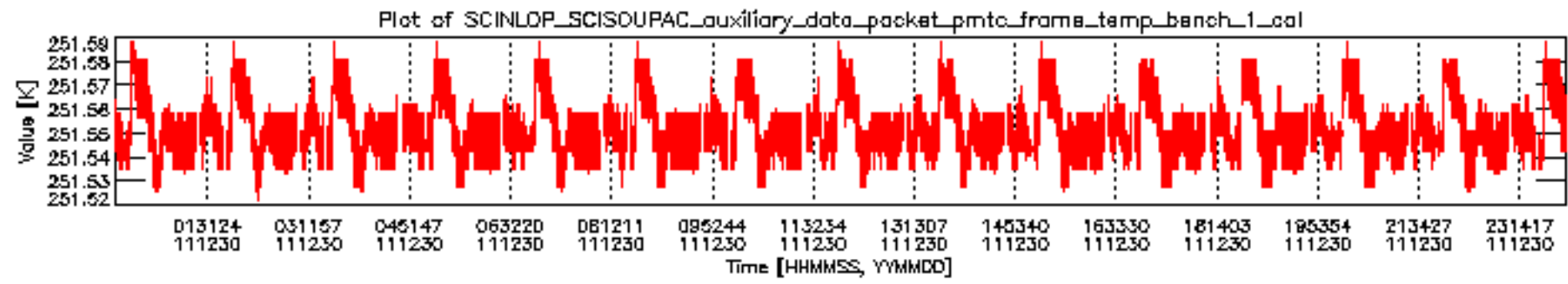
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20111228_232112_20111228_192723_20120107_200051
2	AUX_FPO_AXVPDS20111230_112116_20111229_185039_20120108_210419
3	AUX_FPO_AXVPDS20111230_231829_20111230_195408_20120109_202734



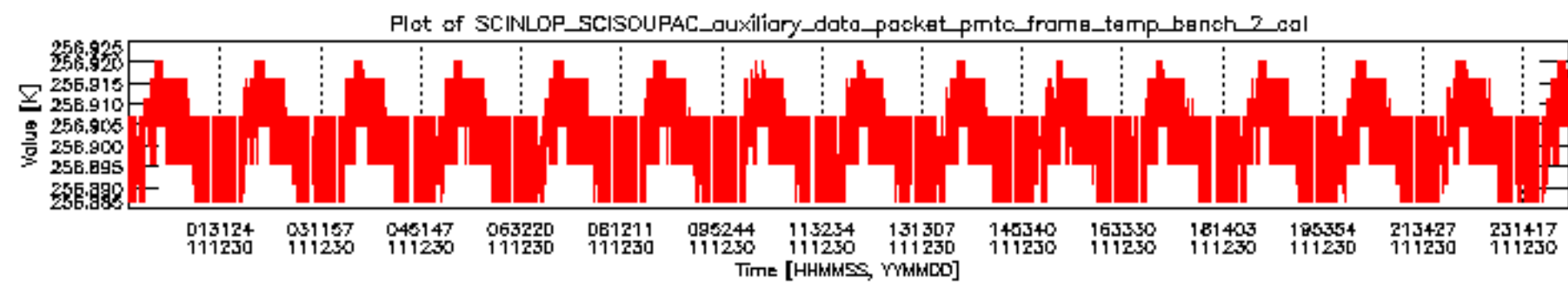
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111230\_7.PNG

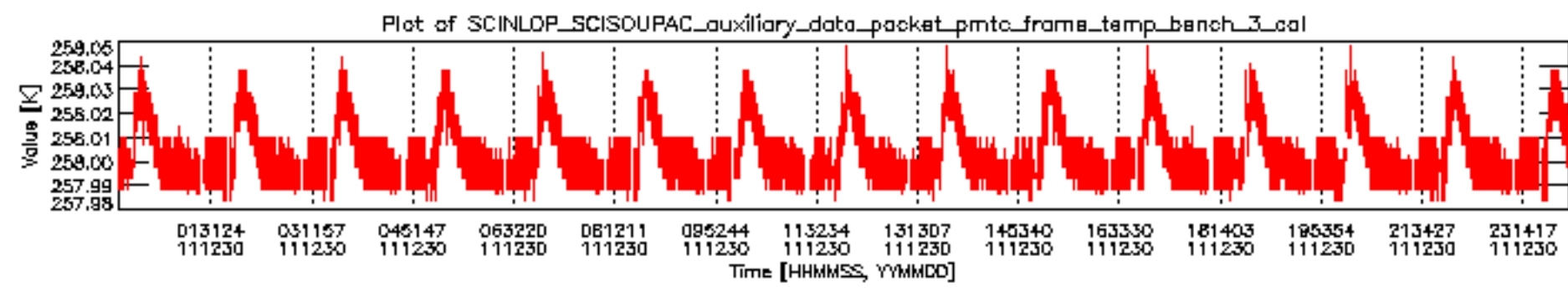


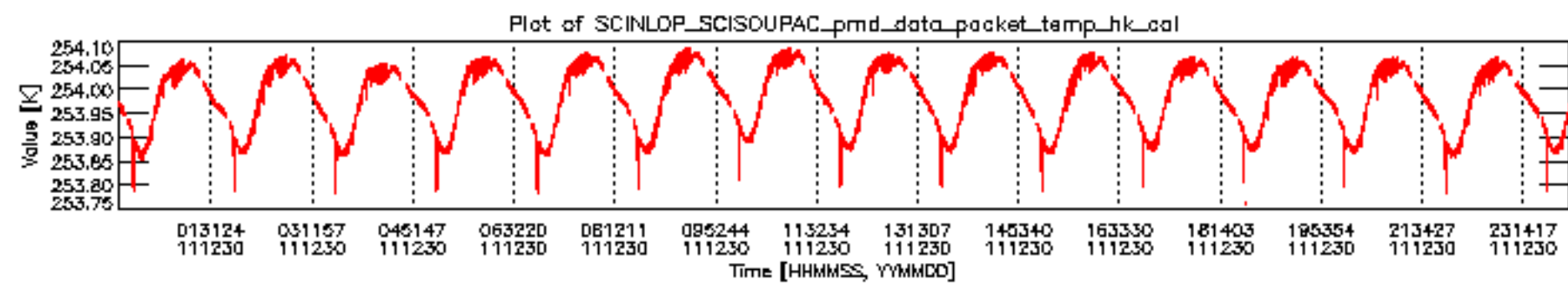
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111230\_8.PNG

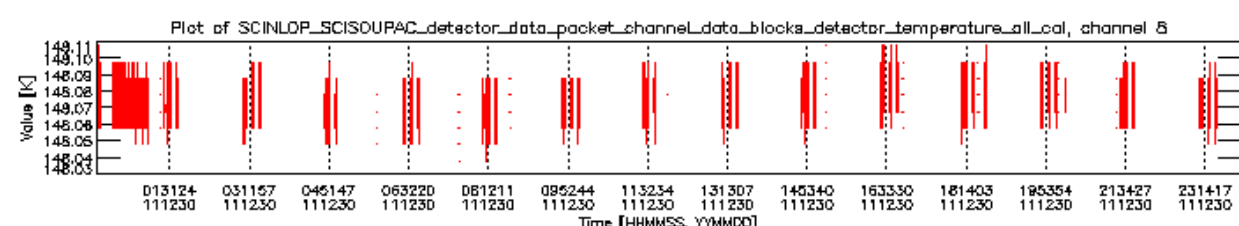
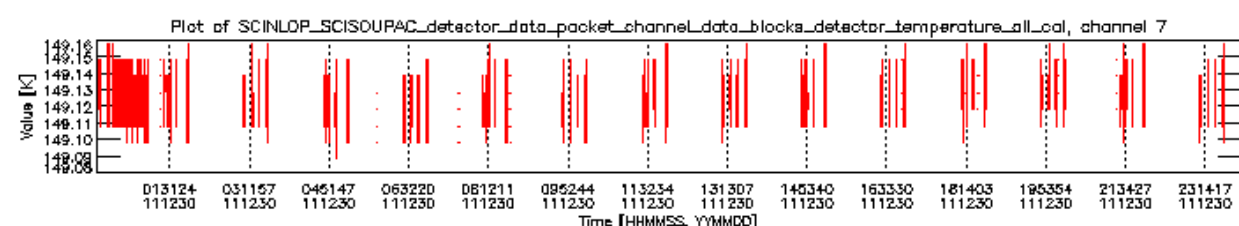
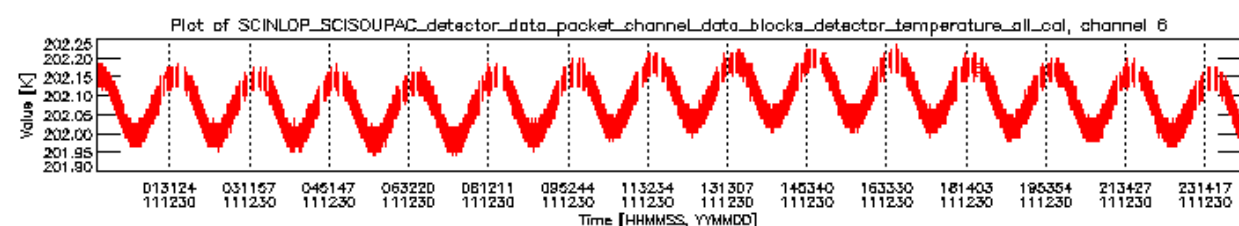
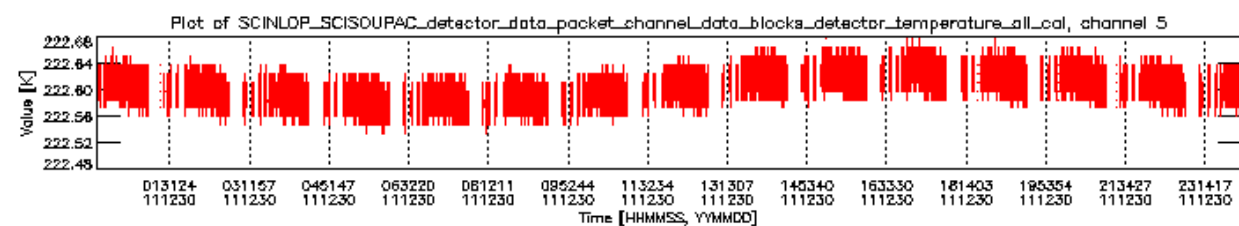
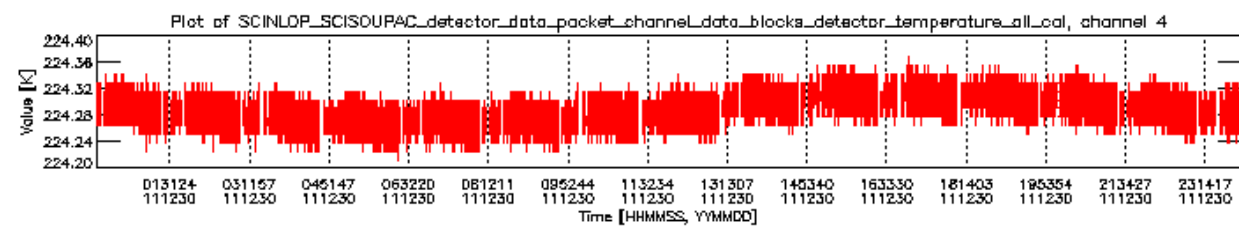
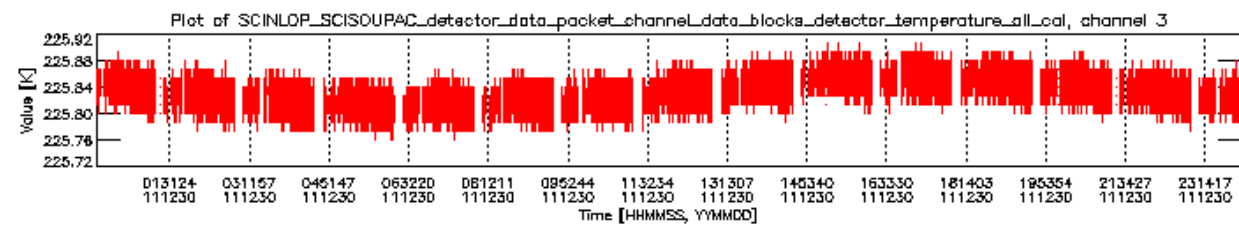
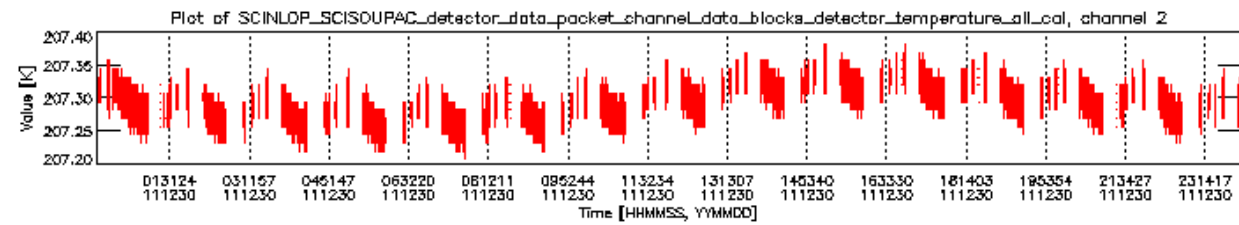
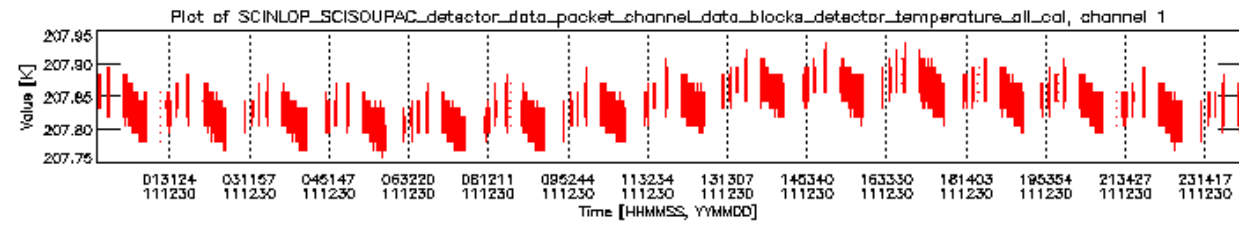




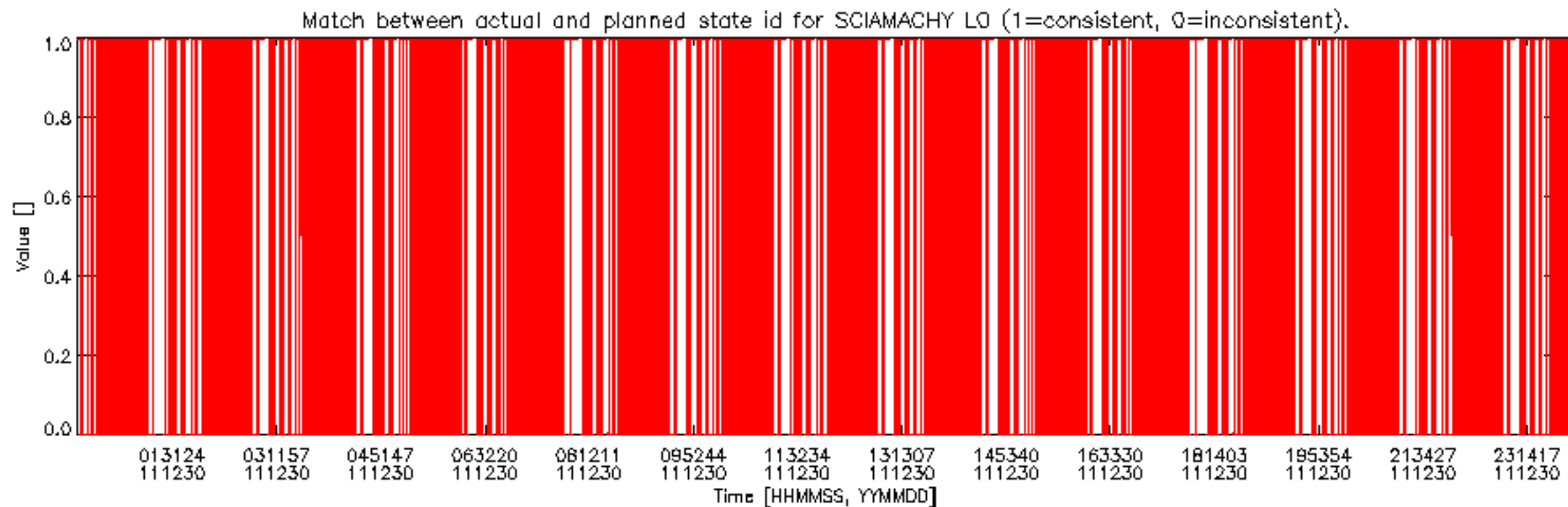
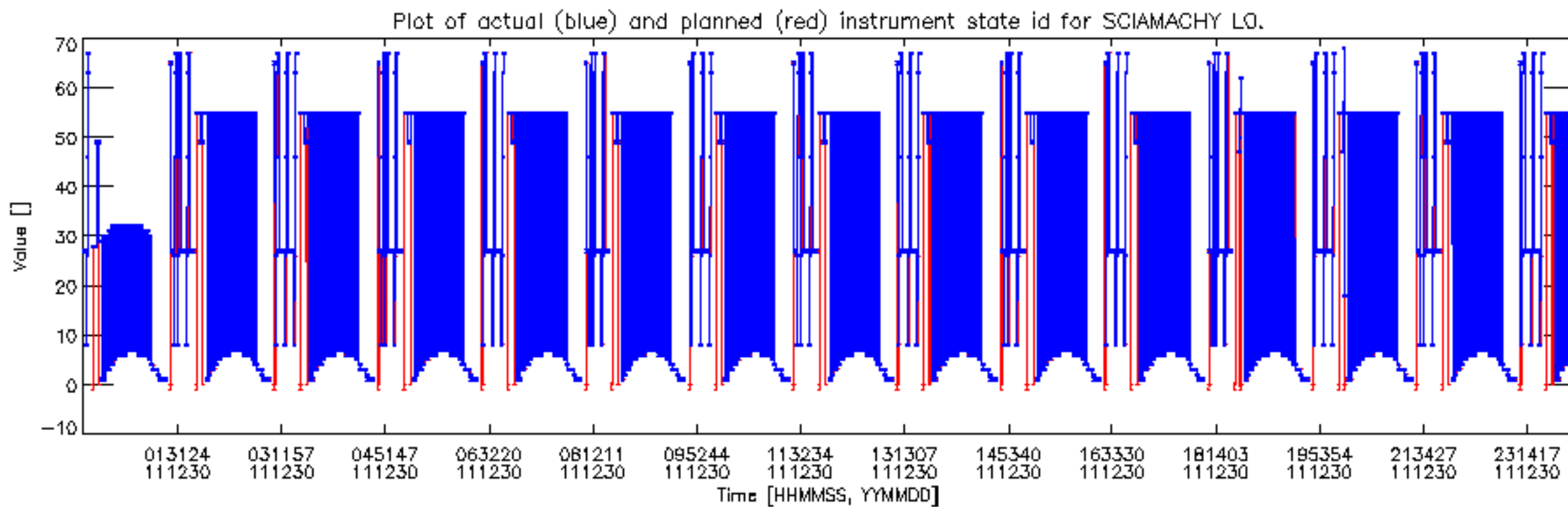












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 30DEC2011.  
 A medium gray color indicates the time span of available SCI\_NL\_1P products for this day.  
 The remaining colours indicate planned activities and/or special measurements.  
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

