

## 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	v1.3 20060731
Time of report generation	04MAR2010 05:50:22
Data source version	KSPT_L0/4303-N
Processing scope for products	28FEB2010 00:00:00 to 01MAR2010 00:00:00
Start time of first product within scope	27FEB2010 23:51:24
Stop time of last product within scope	01MAR2010 01:00:14
Total number of level 0 products	16
Number of level 0 products with errors	0

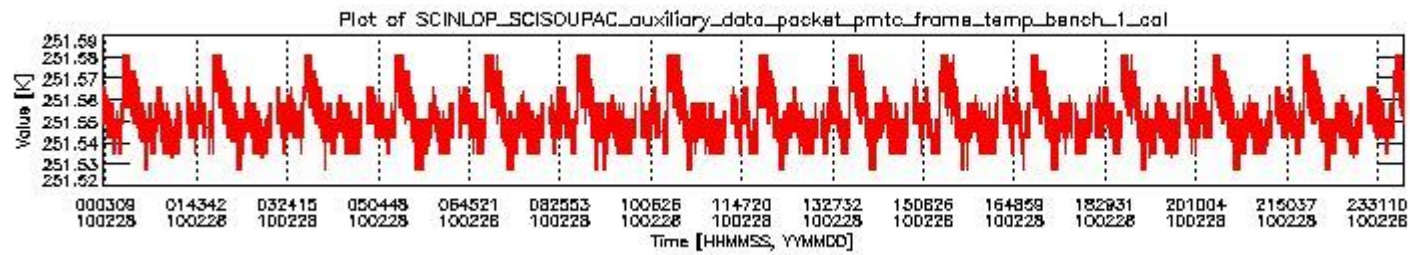
### 0.1.2 Summary per product

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

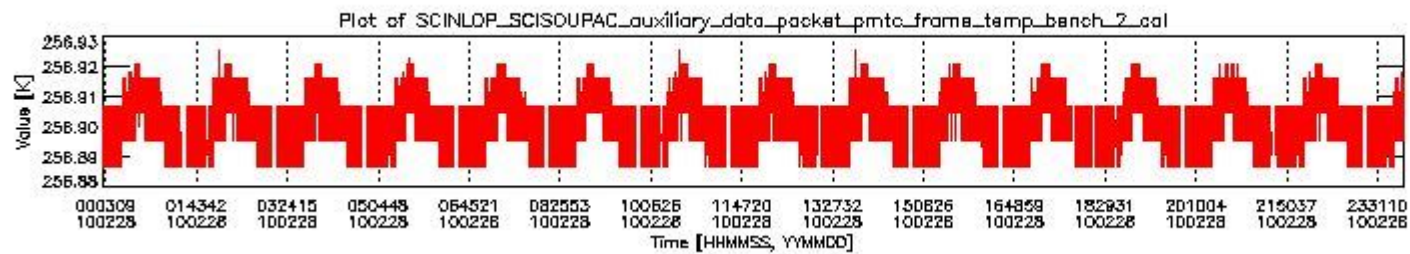
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100227_235124_000055912087_00173_41810_0993.N1	27FEB2010 23:51:24	28FEB2010 01:24:34	0	0	0	0	0
1	SCI_NL__OPNPDE20100228_013159_000045452087_00174_41811_0994.N1	28FEB2010 01:31:59	28FEB2010 02:47:44	0	0	0	0	0
2	SCI_NL__OPNPDE20100228_024744_000057742087_00175_41812_0995.N1	28FEB2010 02:47:44	28FEB2010 04:23:58	0	0	0	0	0
3	SCI_NL__OPNPDE20100228_042358_000060482087_00176_41813_0996.N1	28FEB2010 04:23:58	28FEB2010 06:04:46	0	0	0	0	0
4	SCI_NL__OPNPDK20100228_060446_000041002087_00177_41814_4215.N1	28FEB2010 06:04:46	28FEB2010 07:13:06	0	0	0	0	0
5	SCI_NL__OPNPDK20100228_071158_000062282087_00178_41815_4216.N1	28FEB2010 07:11:58	28FEB2010 08:55:46	0	0	0	0	0
6	SCI_NL__OPNPDK20100228_085546_000059672087_00179_41816_4217.N1	28FEB2010 08:55:46	28FEB2010 10:35:13	0	0	0	0	0
7	SCI_NL__OPNPDK20100228_103309_000059242087_00180_41817_4218.N1	28FEB2010 10:33:09	28FEB2010 12:11:52	0	0	0	0	0
8	SCI_NL__OPNPDK20100228_121044_000060912087_00181_41818_4219.N1	28FEB2010 12:10:44	28FEB2010 13:52:15	0	0	0	0	0
9	SCI_NL__OPNPDK20100228_135010_000059242087_00182_41819_4220.N1	28FEB2010 13:50:10	28FEB2010 15:28:54	0	0	0	0	0
10	SCI_NL__OPNPDK20100228_152702_000060632087_00183_41820_4221.N1	28FEB2010 15:27:02	28FEB2010 17:08:06	0	0	0	0	0
11	SCI_NL__OPNPDK20100228_170725_000059102087_00184_41821_4222.N1	28FEB2010 17:07:25	28FEB2010 18:45:56	0	0	0	0	0
12	SCI_NL__OPNPDK20100228_184459_000060922087_00185_41822_4223.N1	28FEB2010 18:44:59	28FEB2010 20:26:31	0	0	0	0	0
13	SCI_NL__OPNPDE20100228_202631_000039092087_00186_41823_0997.N1	28FEB2010 20:26:31	28FEB2010 21:31:40	0	0	0	0	0
14	SCI_NL__OPNPDE20100228_213903_000060352087_00186_41823_0998.N1	28FEB2010 21:39:03	28FEB2010 23:19:39	0	0	0	0	0
15	SCI_NL__OPNPDE20100228_231939_000060352087_00187_41824_0999.N1	28FEB2010 23:19:39	01MAR2010 01:00:14	0	0	0	0	0

## 0.2 Product Quality Indicators

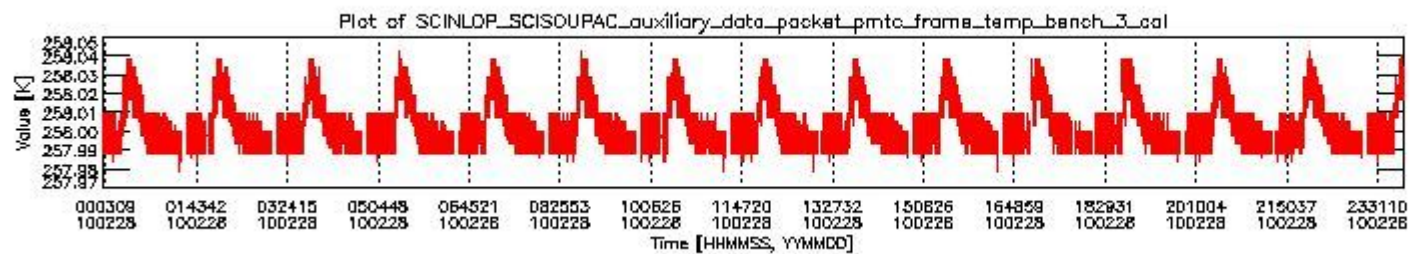
This section shows information about product quality, currently temperatures.



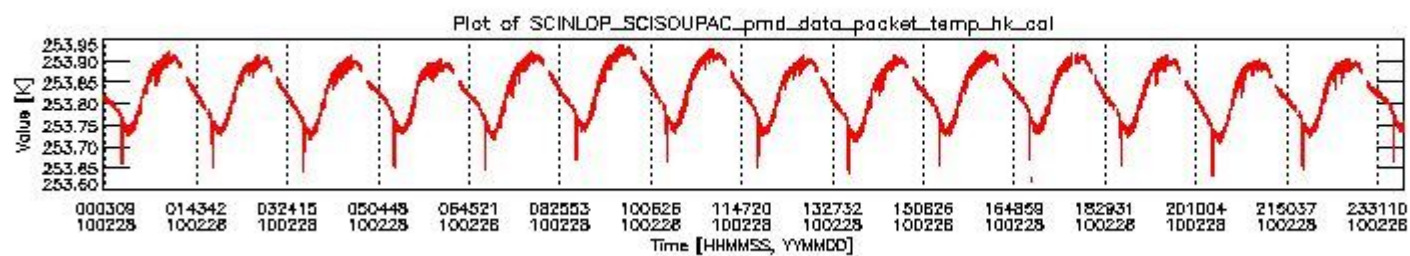
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20100228\_0.PNG



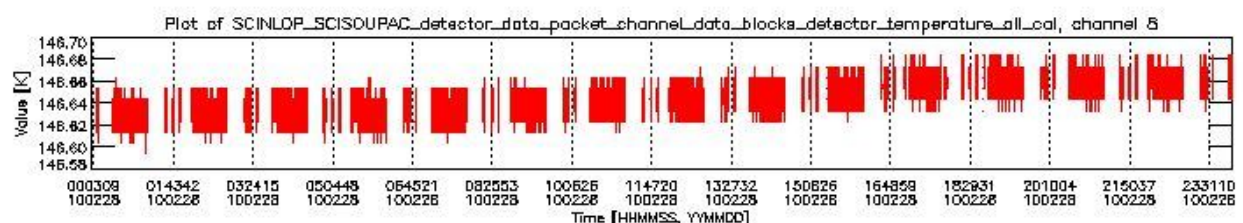
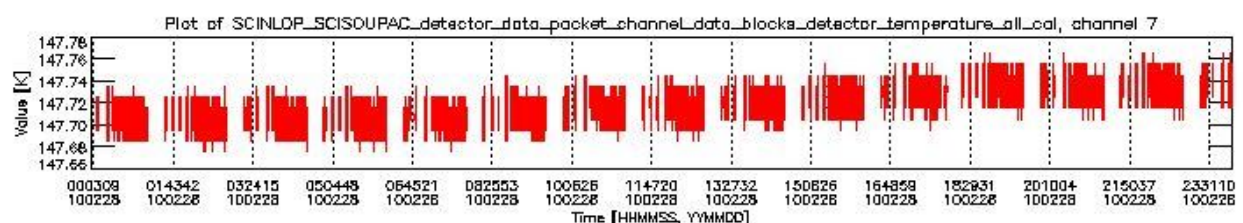
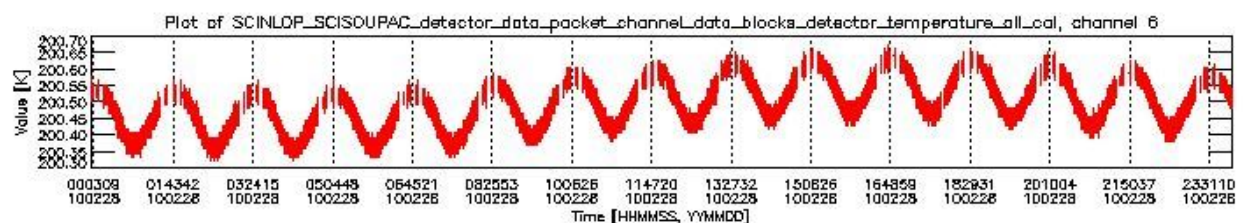
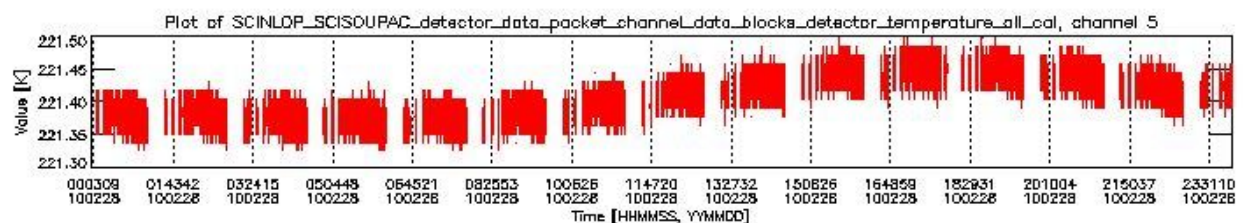
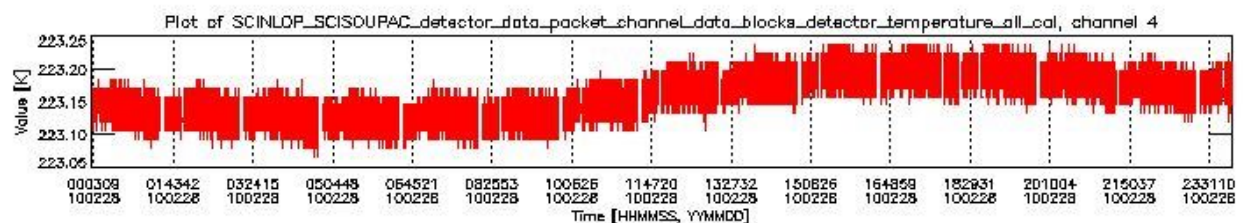
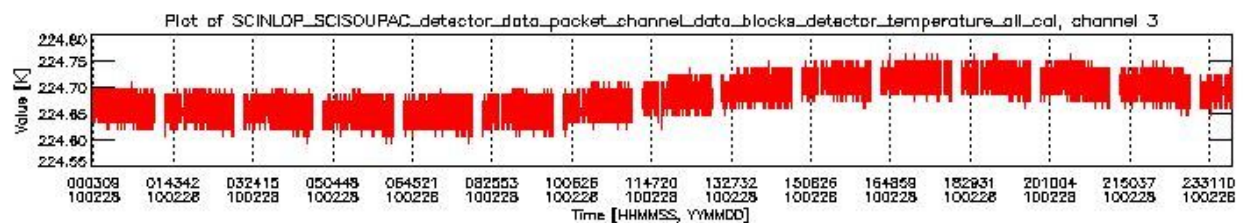
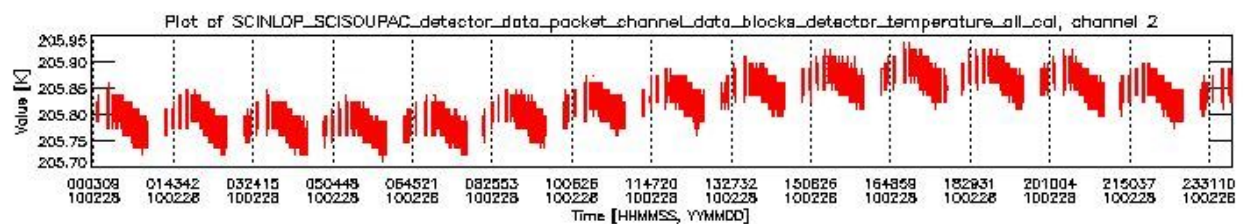
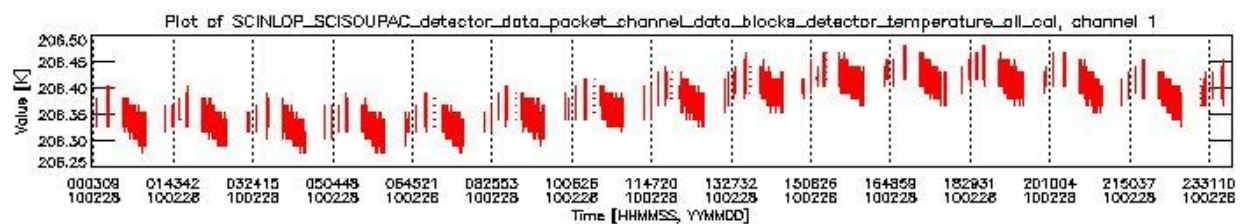
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20100228\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20100228\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20100228\_3.PNG

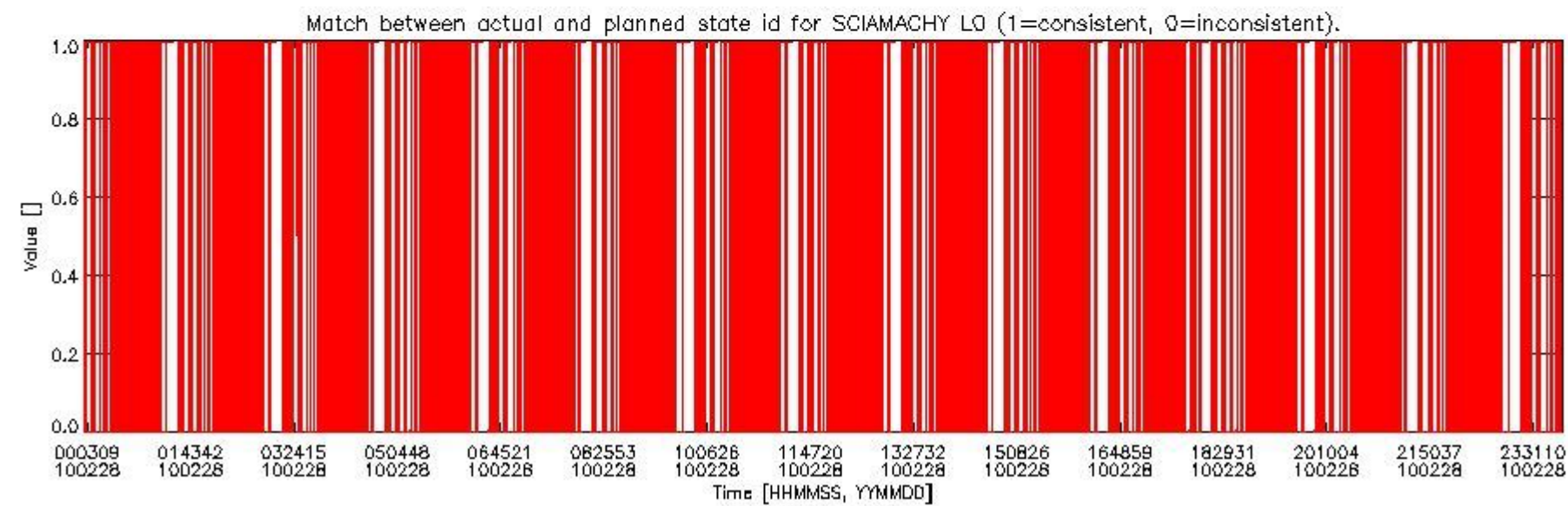
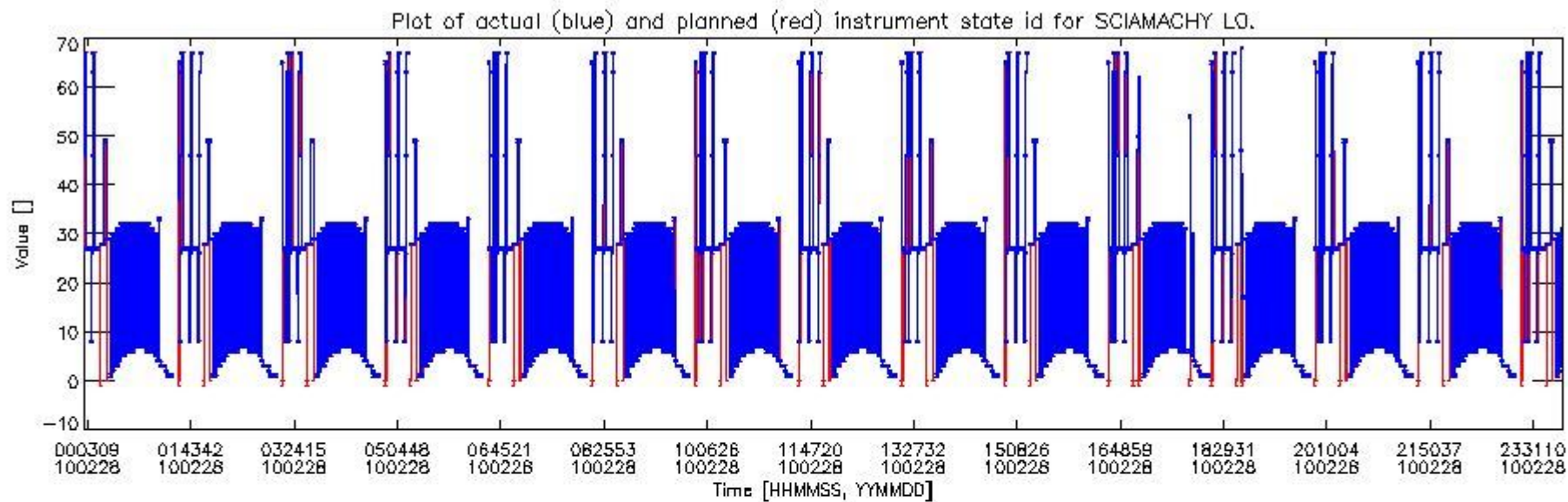


### 0.3 State monitoring

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: **78747**

#	Actual time	Actual value	Planned time	Planned value
0	28FEB2010 00:00:00.089972	67	28FEB2010 00:00:00.089972	63
1	28FEB2010 00:00:00.214972	67	28FEB2010 00:00:00.214972	63
2	28FEB2010 00:00:00.339972	67	28FEB2010 00:00:00.339972	63
3	28FEB2010 00:00:00.464972	67	28FEB2010 00:00:00.464972	63
4	28FEB2010 00:00:00.589972	67	28FEB2010 00:00:00.589972	63
5	28FEB2010 00:00:00.714972	67	28FEB2010 00:00:00.714972	63
6	28FEB2010 00:00:00.839972	67	28FEB2010 00:00:00.839972	63
7	28FEB2010 00:00:00.964972	67	28FEB2010 00:00:00.964972	63
8	28FEB2010 00:00:01.089972	67	28FEB2010 00:00:01.089972	63
9	28FEB2010 00:00:01.214972	67	28FEB2010 00:00:01.214972	63
10	28FEB2010 00:00:01.339972	67	28FEB2010 00:00:01.339972	63
11	28FEB2010 00:00:01.464972	67	28FEB2010 00:00:01.464972	63
12	28FEB2010 00:00:01.589972	67	28FEB2010 00:00:01.589972	63
13	28FEB2010 00:00:01.714972	67	28FEB2010 00:00:01.714972	63
14	28FEB2010 00:00:01.839972	67	28FEB2010 00:00:01.839972	63
15	28FEB2010 00:00:01.964972	67	28FEB2010 00:00:01.964972	63
16	28FEB2010 00:00:02.089972	67	28FEB2010 00:00:02.089972	63
17	28FEB2010 00:00:02.214972	67	28FEB2010 00:00:02.214972	63
18	28FEB2010 00:00:02.339972	67	28FEB2010 00:00:02.339972	63
19	28FEB2010 00:00:02.464972	67	28FEB2010 00:00:02.464972	63
	...	...	...	...

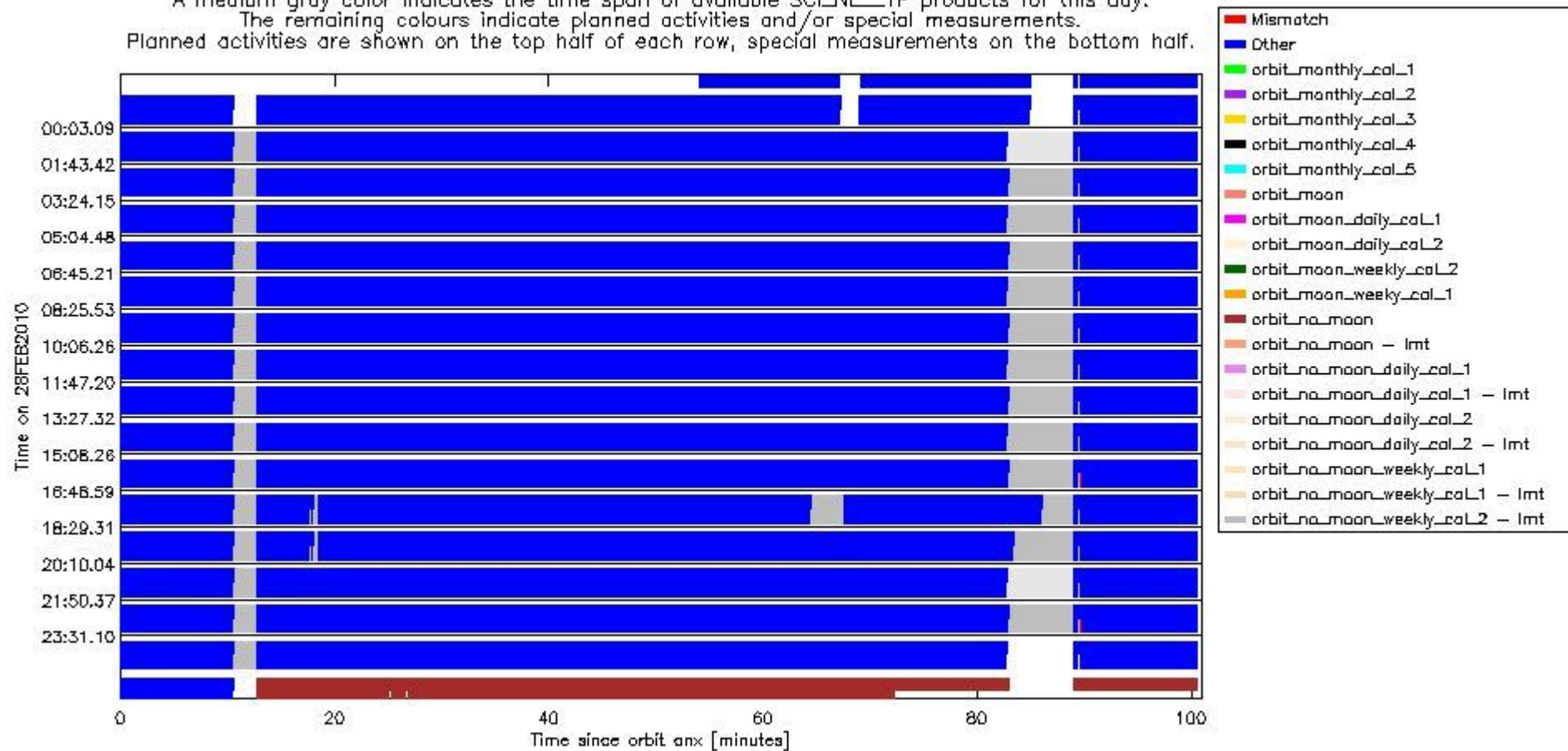


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20100228\_5.PNG

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 28FEB2010.  
 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\_20100228\_6.PNG

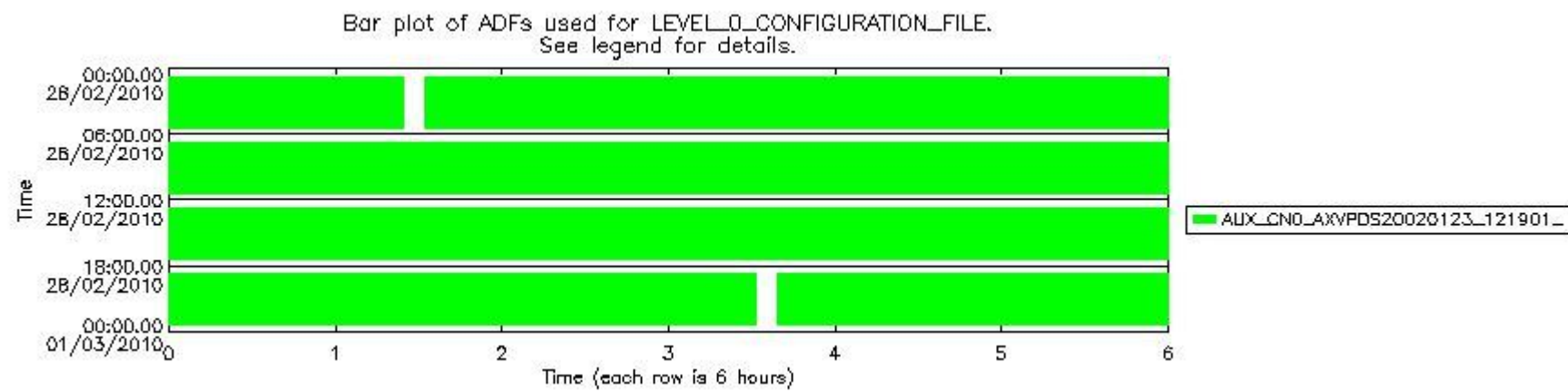
## 0.4 ADF monitoring

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

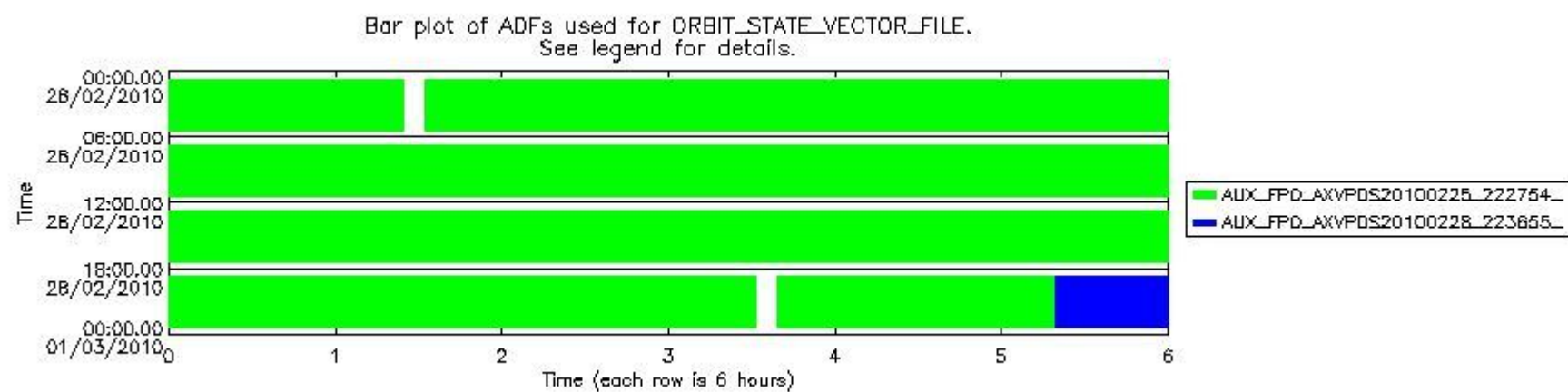
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

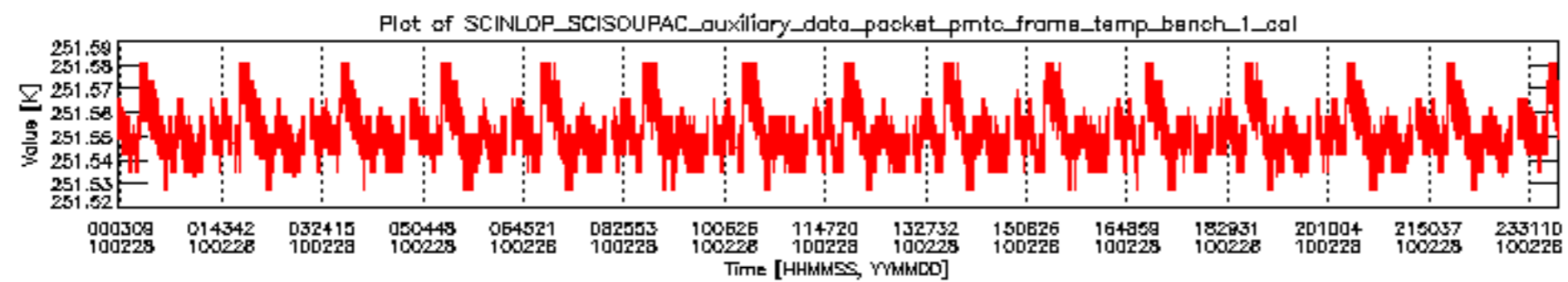
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20100225_222754_20100225_182347_20100307_213037
2	AUX_FPO_AXVPDS20100228_223655_20100228_182932_20100310_213622



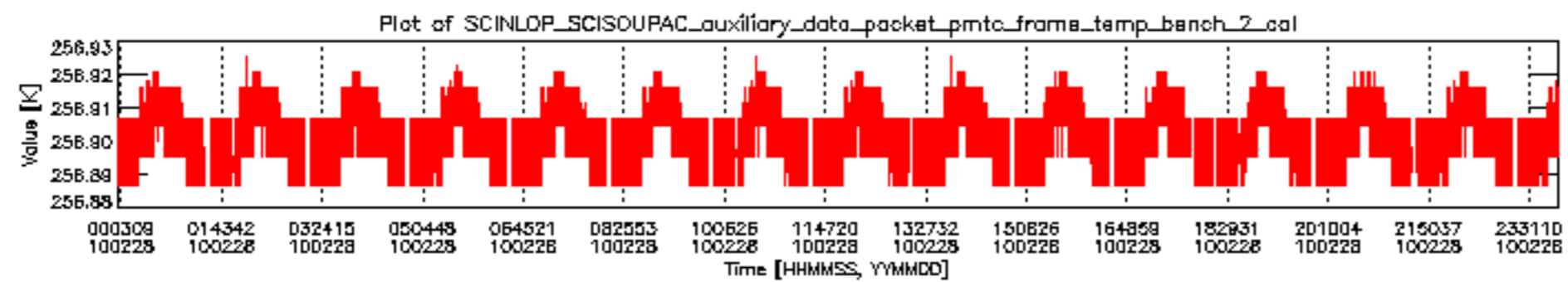
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20100228\_7.PNG

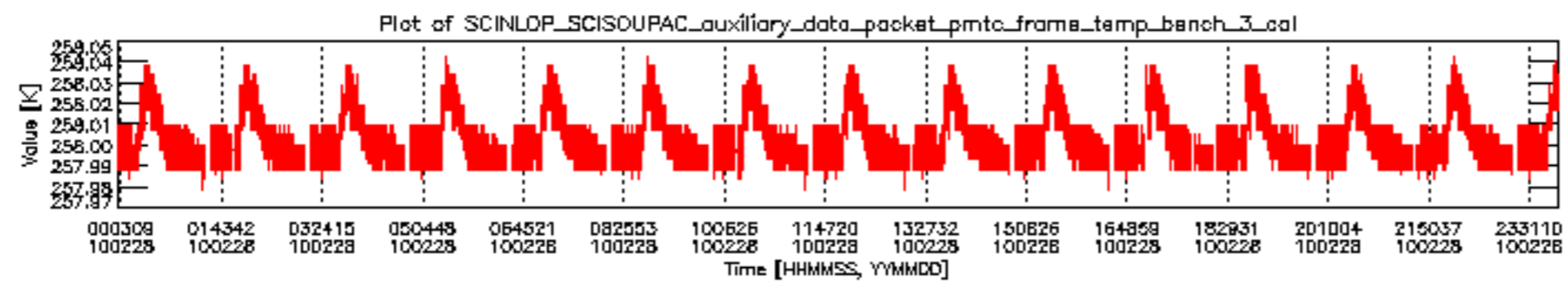


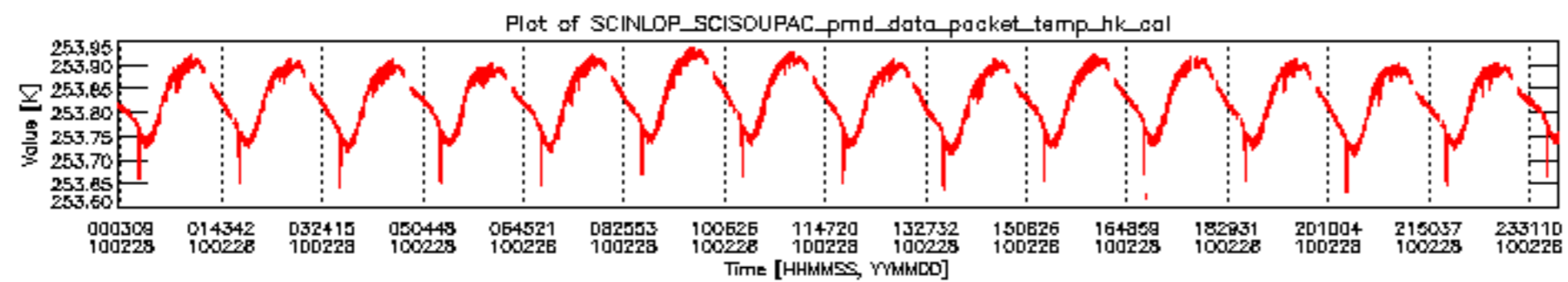
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20100228\_8.PNG

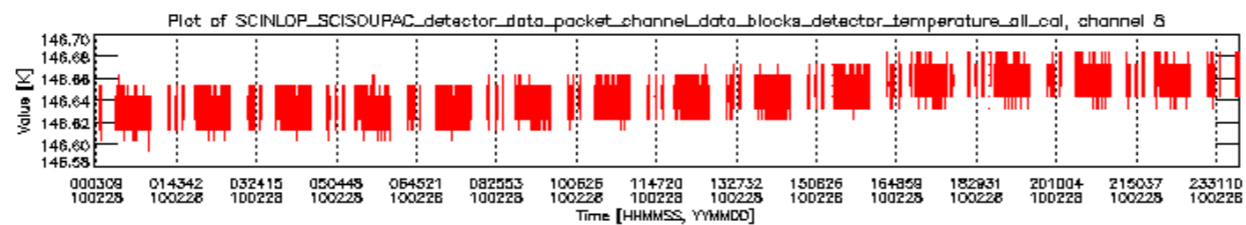
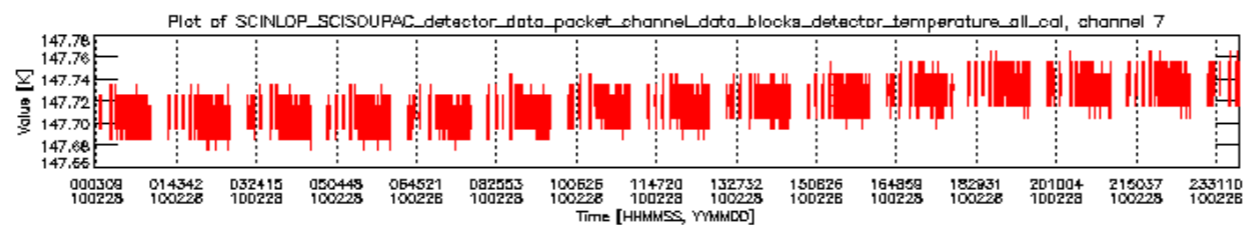
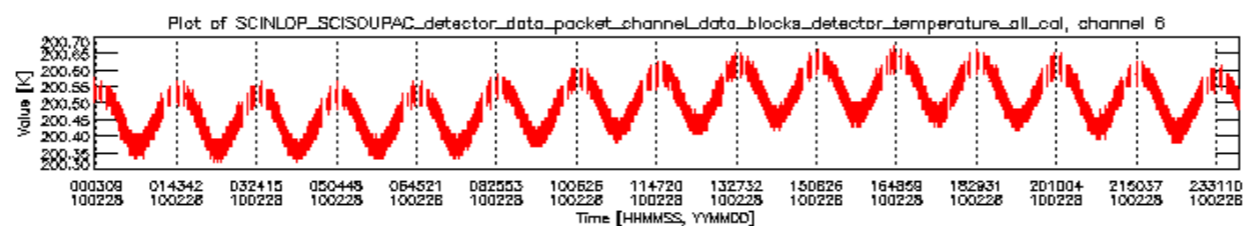
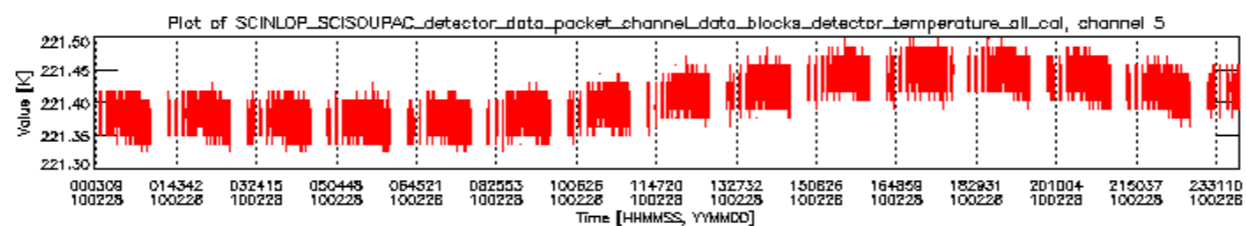
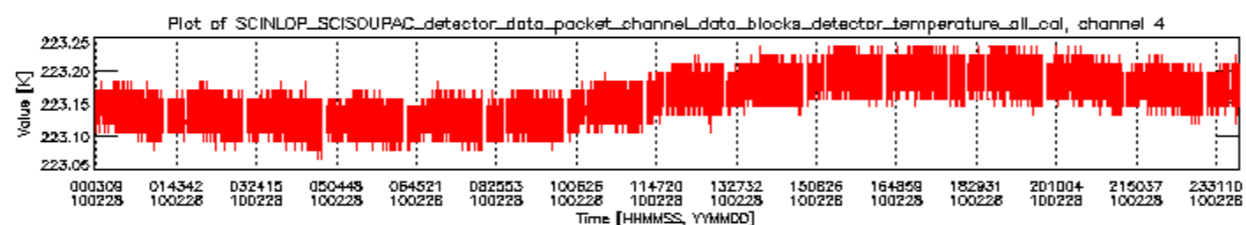
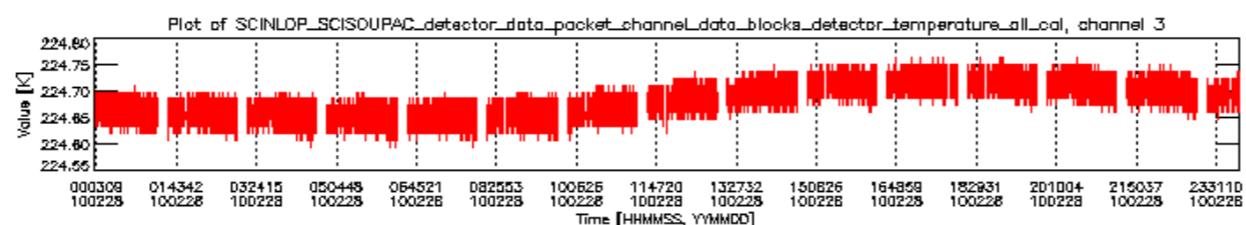
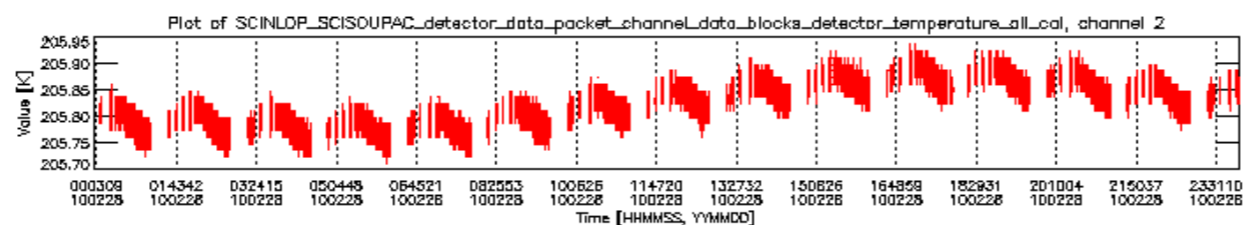
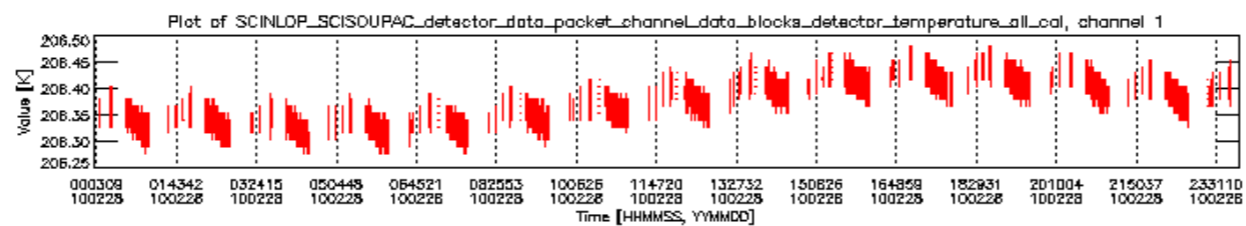


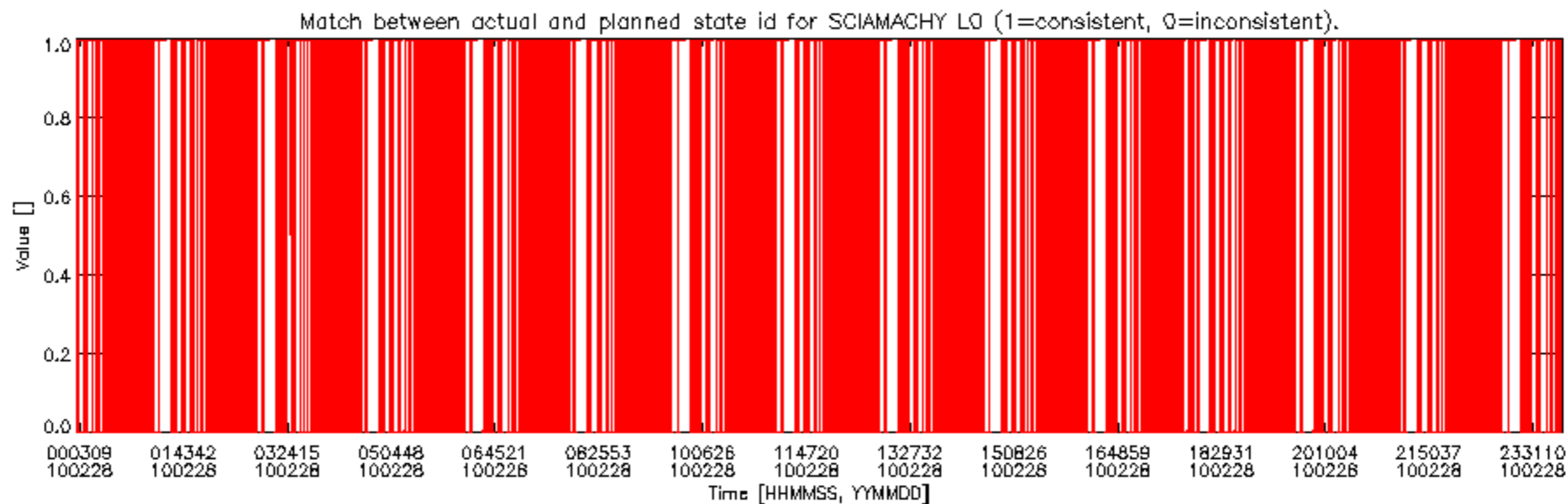
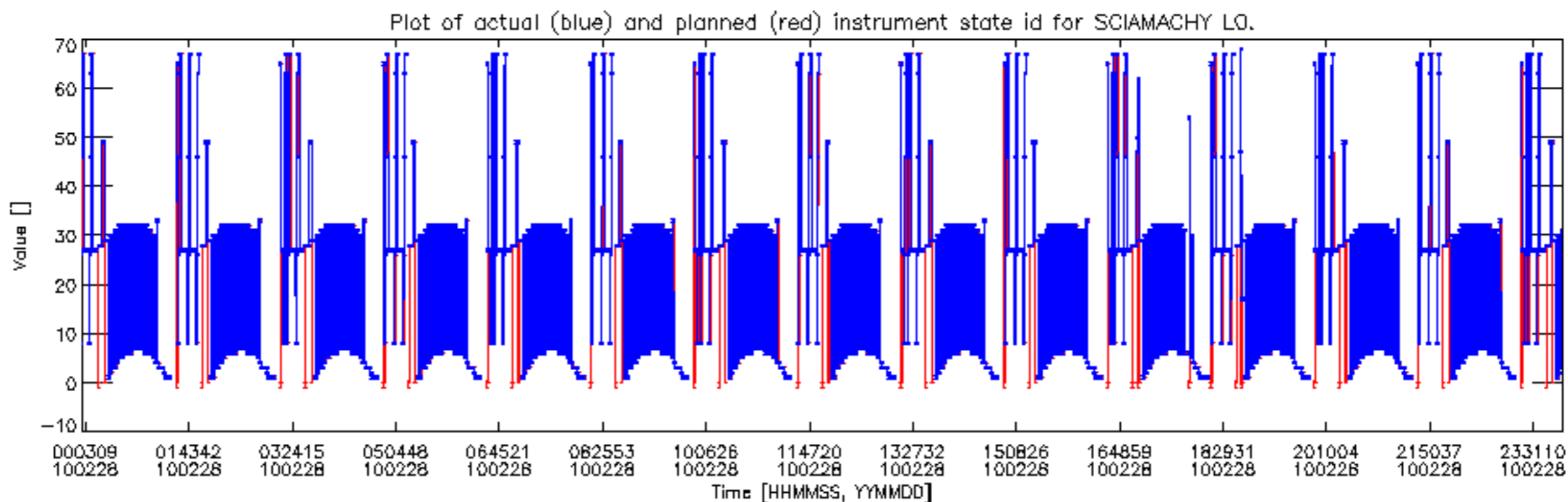












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 28FEB2010.  
 A medium gray color indicates the time span of available SCI\_NL\_1P products for this day.  
 The remaining colours indicate planned activities and/or special measurements.  
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

