

# 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	31JAN2008 15:30:23
Data source version	KSPT_L0/4303-N
Processing scope for products	25JAN2008 00:00:00 to 26JAN2008 00:00:00
Start time of first product within scope	24JAN2008 22:57:48
Stop time of last product within scope	25JAN2008 21:10:42
Total number of level 0 products	13
Number of level 0 products with errors	1

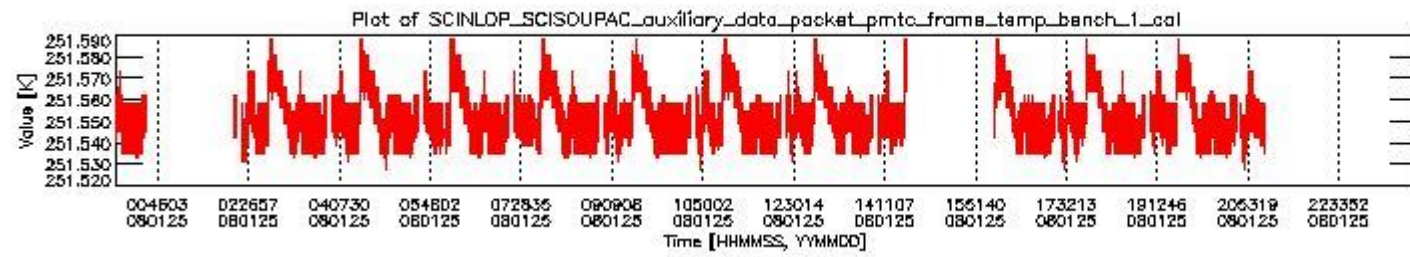
### 0.1.2 Summary per product

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

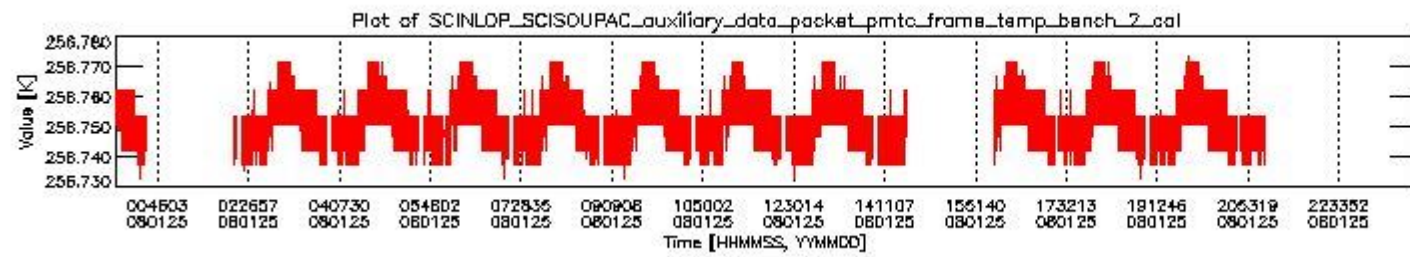
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080124_225748_000056022065_00244_30859_6002.N1	24JAN2008 22:57:48	25JAN2008 00:31:10	0	0	0	0	0
1	SCI_NL__OPNPDE20080125_021024_000045602065_00246_30861_6004.N1	25JAN2008 02:10:24	25JAN2008 03:26:24	0	0	0	0	0
2	SCI_NL__OPNPDE20080125_032516_000062162065_00247_30862_6005.N1	25JAN2008 03:25:16	25JAN2008 05:08:52	0	0	0	0	0
3	SCI_NL__OPNPDE20080125_050852_000060482065_00248_30863_6006.N1	25JAN2008 05:08:52	25JAN2008 06:49:40	0	0	0	0	0
4	SCI_NL__OPNPDK20080125_064832_000041012065_00249_30864_7215.N1	25JAN2008 06:48:32	25JAN2008 07:56:52	0	0	0	0	0
5	SCI_NL__OPNPDK20080125_075556_000061042065_00250_30865_7216.N1	25JAN2008 07:55:56	25JAN2008 09:37:40	0	0	0	0	0
6	SCI_NL__OPNPDK20080125_093536_000060912065_00251_30866_7217.N1	25JAN2008 09:35:36	25JAN2008 11:17:07	0	0	0	0	0
7	SCI_NL__OPNPDK20080125_111559_000060482065_00252_30867_7218.N1	25JAN2008 11:15:59	25JAN2008 12:56:47	0	0	0	0	0
8	SCI_NL__OPNPDK20080125_125538_000060362065_00253_30868_7219.N1	25JAN2008 12:55:38	25JAN2008 14:36:14	0	0	0	0	0
9	SCI_NL__OPNPDK20080125_143422_000058422065_00254_30869_7220.N1	25JAN2008 14:34:22	25JAN2008 16:11:44	1	1	0	0	0
10	SCI_NL__OPNPDK20080125_161144_000059792065_00255_30870_7221.N1	25JAN2008 16:11:44	25JAN2008 17:51:23	0	0	0	0	0
11	SCI_NL__OPNPDK20080125_174931_000060362065_00256_30871_7222.N1	25JAN2008 17:49:31	25JAN2008 19:30:07	0	0	0	0	0
12	SCI_NL__OPNPDK20080125_192911_000060912065_00257_30872_7223.N1	25JAN2008 19:29:11	25JAN2008 21:10:42	0	0	0	0	0

## 0.2 Product Quality Indicators

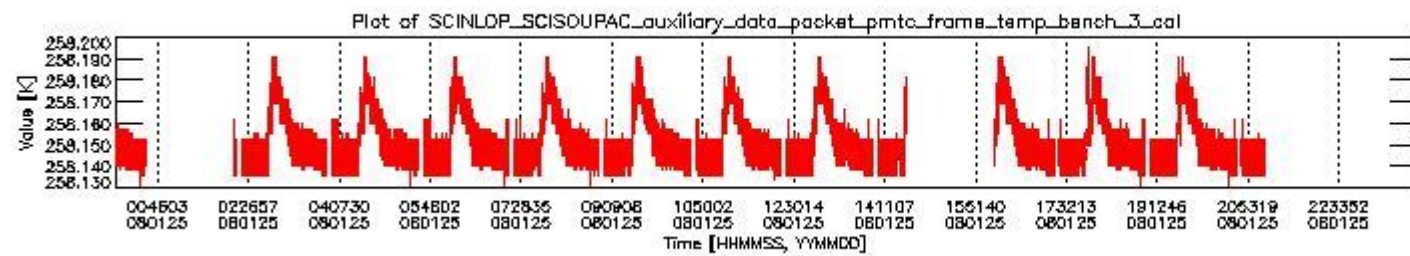
This section shows information about product quality, currently temperatures.



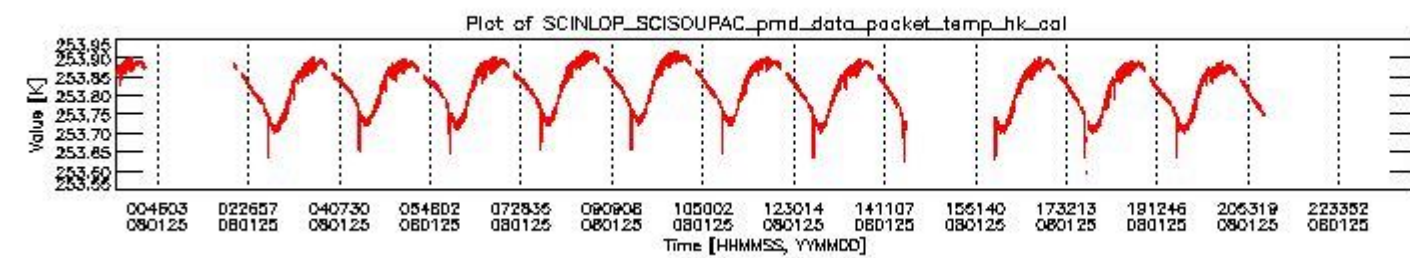
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080125\_0.PNG



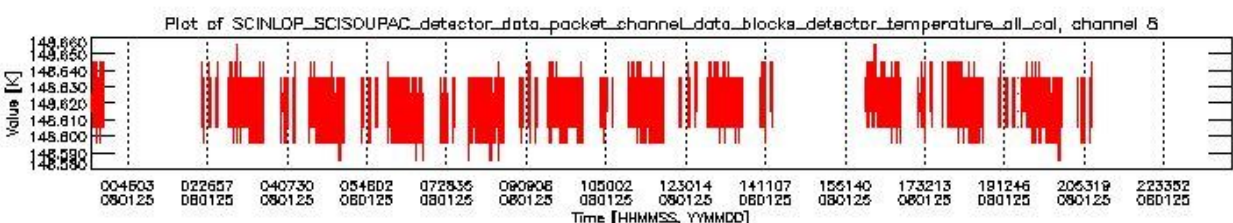
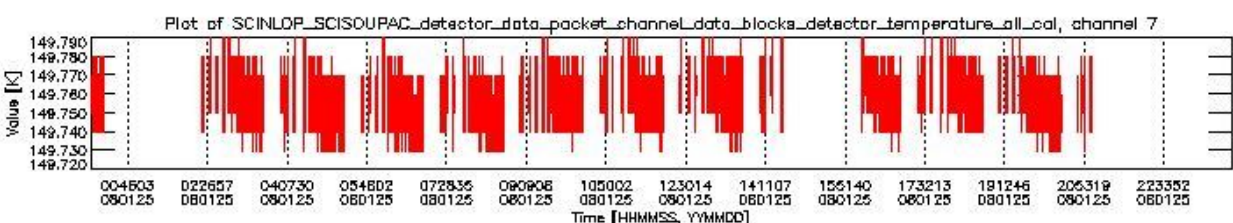
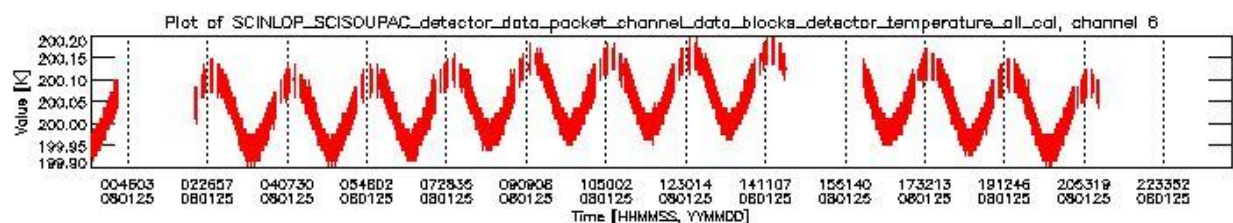
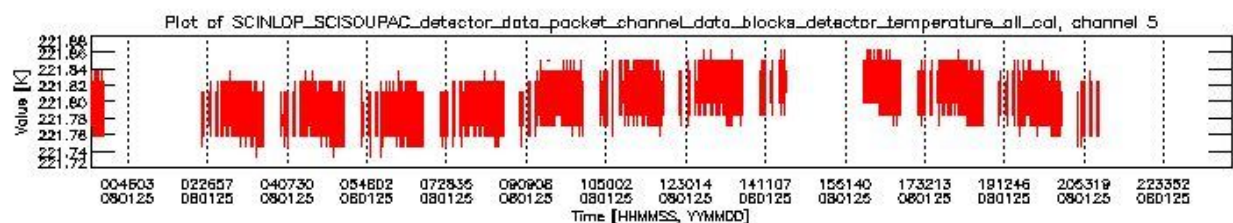
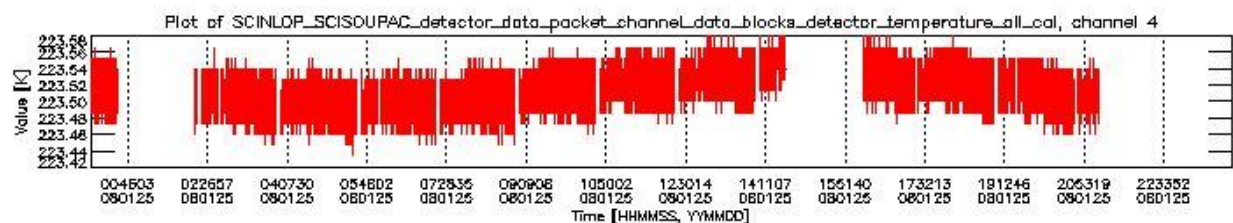
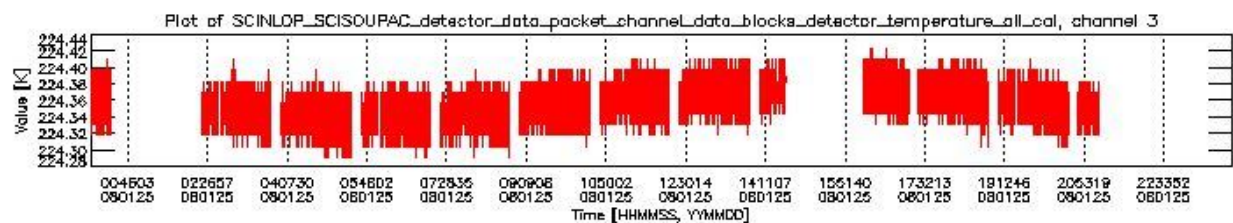
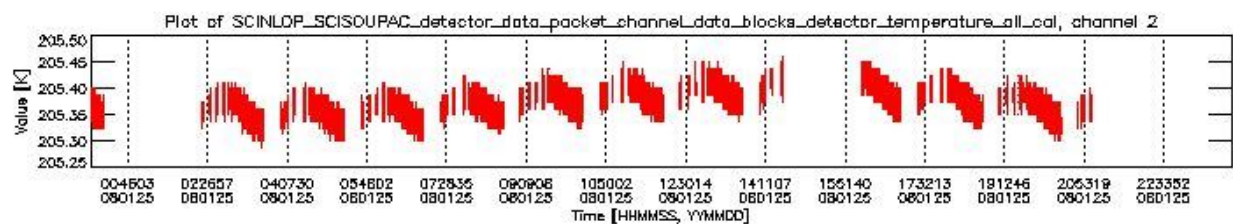
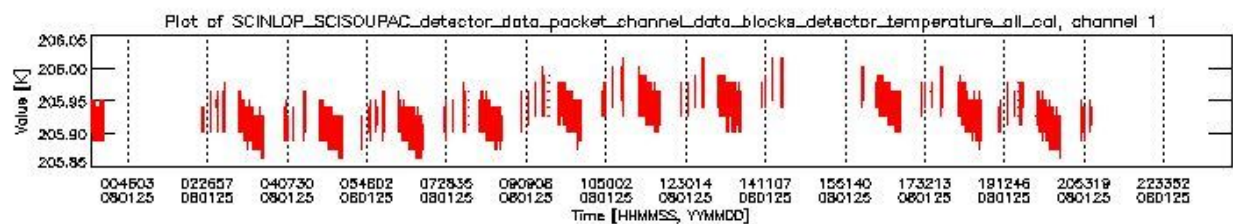
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080125\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080125\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080125\_3.PNG

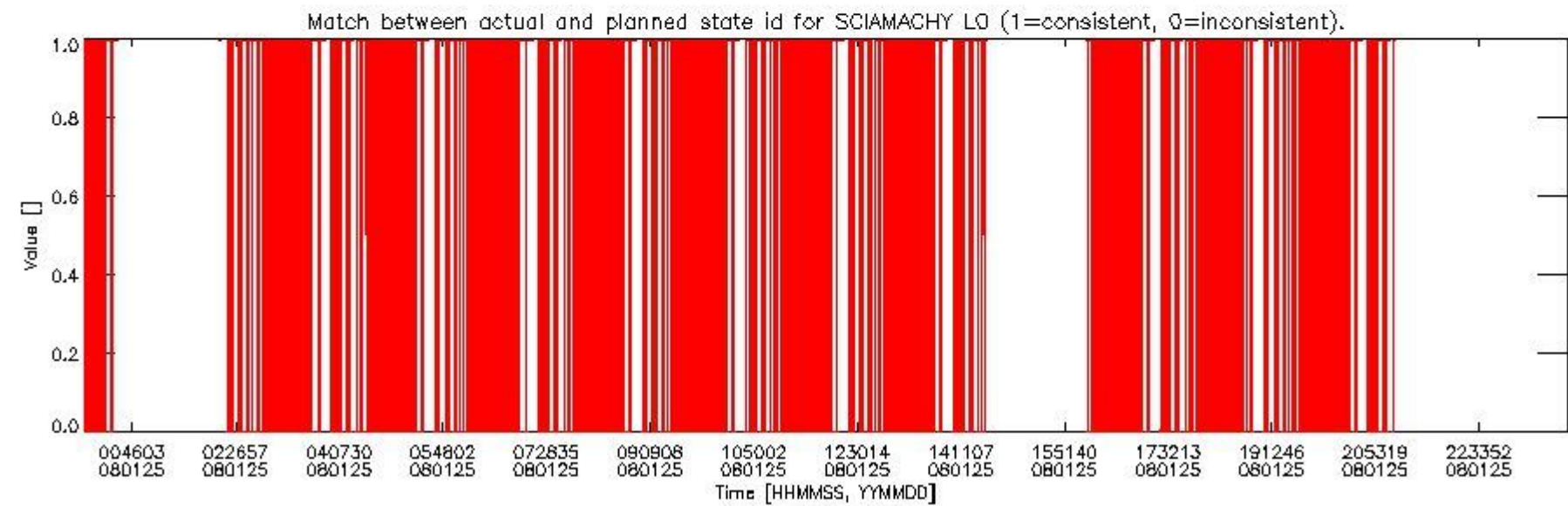
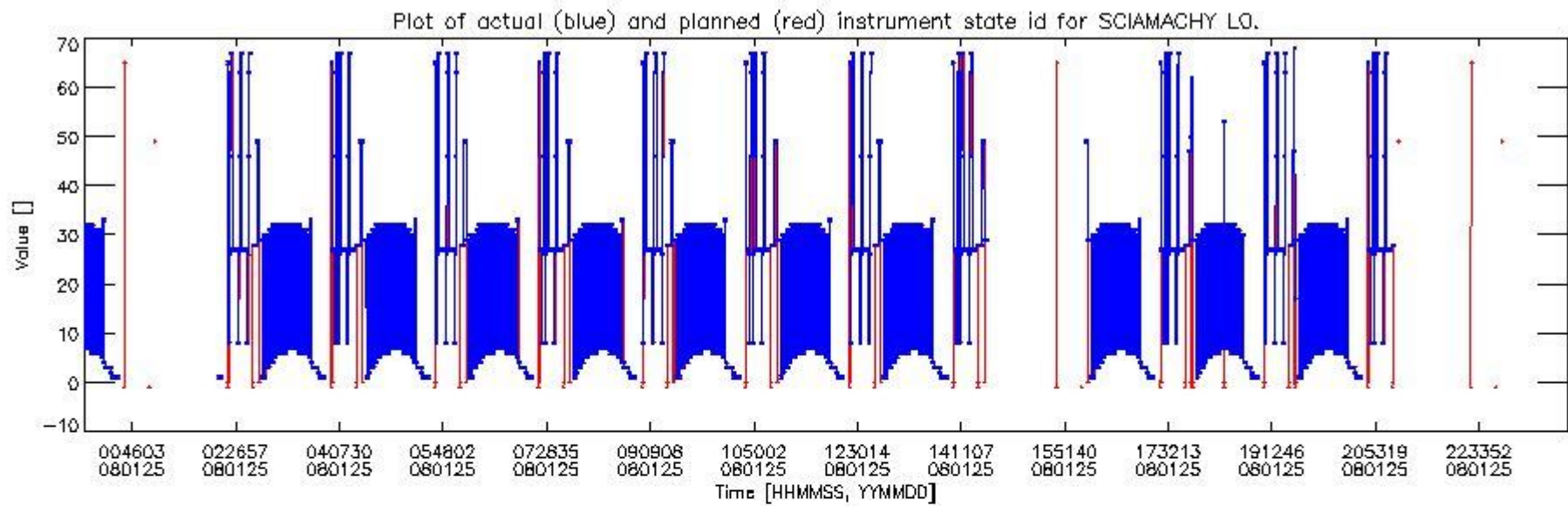


### 0.3 State monitoring

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: **28905**

#	Actual time	Actual value	Planned time	Planned value
0	25JAN2008 00:00:00.199918	7	25JAN2008 00:00:00.199918	32
1	25JAN2008 00:00:00.449927	7	25JAN2008 00:00:00.449927	32
2	25JAN2008 00:00:00.699936	7	25JAN2008 00:00:00.699936	32
3	25JAN2008 00:00:00.949945	7	25JAN2008 00:00:00.949945	32
4	25JAN2008 00:00:01.199913	7	25JAN2008 00:00:01.199913	32
5	25JAN2008 00:00:01.449922	7	25JAN2008 00:00:01.449922	32
6	25JAN2008 00:00:01.574926	7	25JAN2008 00:00:01.574926	32
7	25JAN2008 00:00:01.699930	7	25JAN2008 00:00:01.699930	32
8	25JAN2008 00:00:01.949939	7	25JAN2008 00:00:01.949939	32
9	25JAN2008 00:00:02.199948	7	25JAN2008 00:00:02.199948	32
10	25JAN2008 00:00:02.449916	7	25JAN2008 00:00:02.449916	32
11	25JAN2008 00:00:02.699925	7	25JAN2008 00:00:02.699925	32
12	25JAN2008 00:00:02.949934	7	25JAN2008 00:00:02.949934	32
13	25JAN2008 00:00:03.199942	7	25JAN2008 00:00:03.199942	32
14	25JAN2008 00:00:03.449911	7	25JAN2008 00:00:03.449911	32
15	25JAN2008 00:00:03.699920	7	25JAN2008 00:00:03.699920	32
16	25JAN2008 00:00:03.949928	7	25JAN2008 00:00:03.949928	32
17	25JAN2008 00:00:04.199937	7	25JAN2008 00:00:04.199937	32
18	25JAN2008 00:00:04.449946	7	25JAN2008 00:00:04.449946	32
19	25JAN2008 00:00:04.699914	7	25JAN2008 00:00:04.699914	32
	...	...	...	...

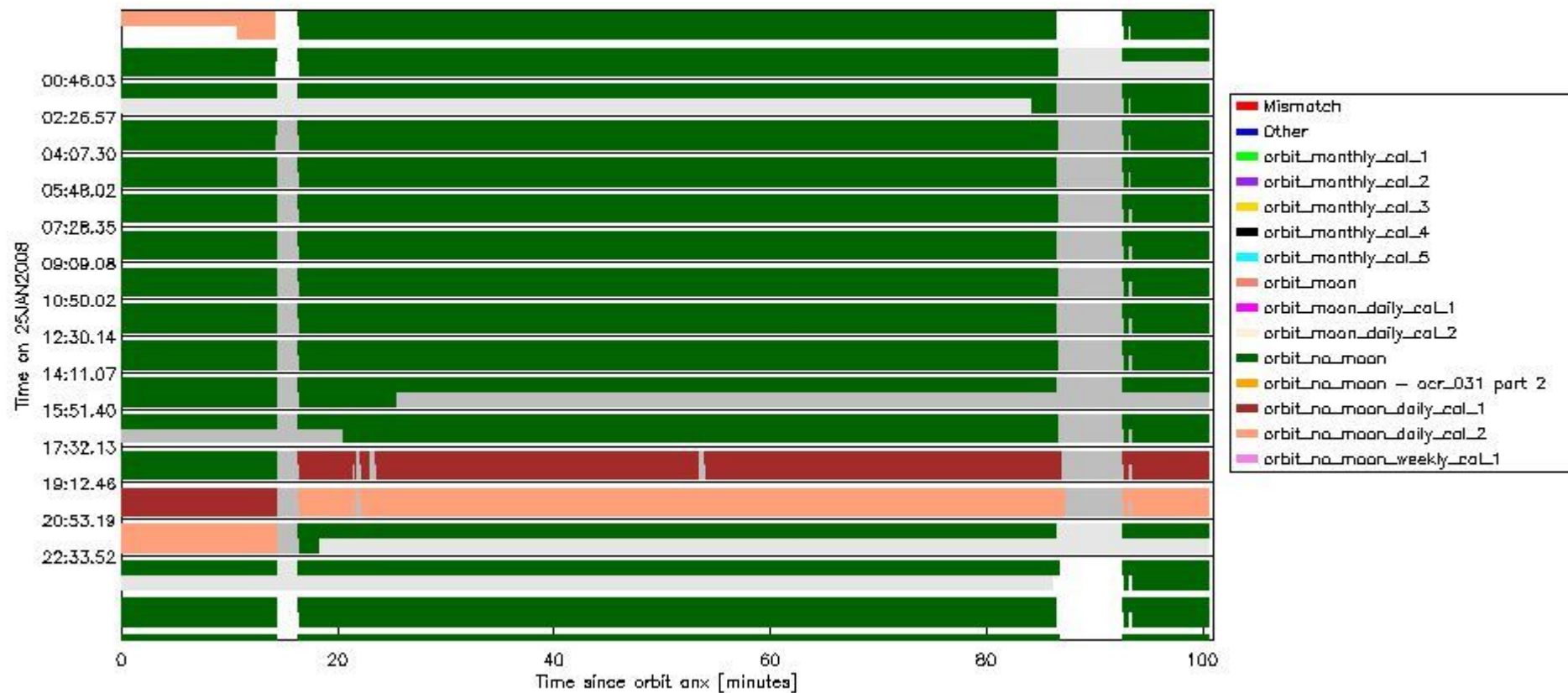


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080125\_5.PNG

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 25JAN2008.  
 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\_20080125\_6.PNG

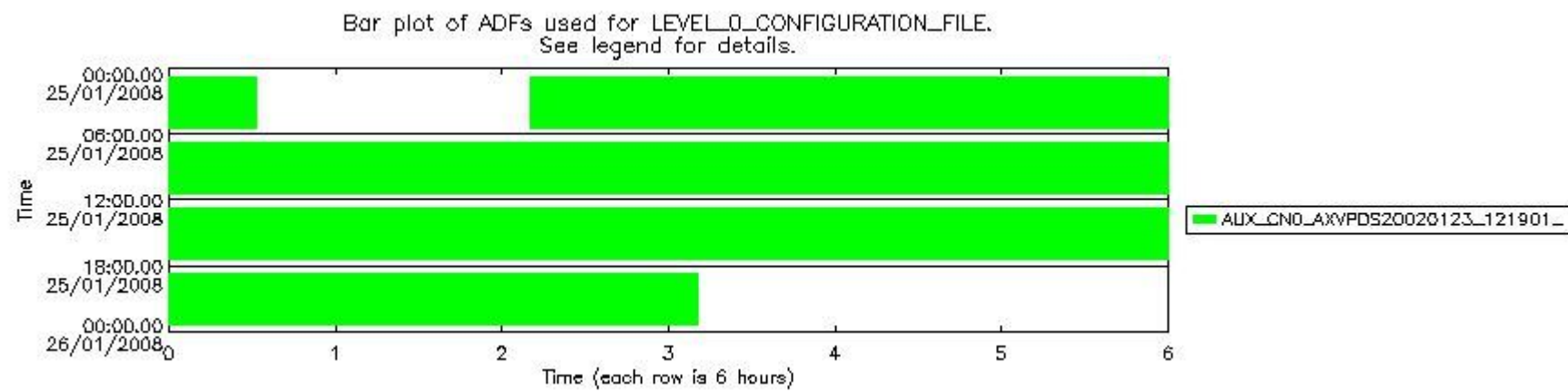
## 0.4 ADF monitoring

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

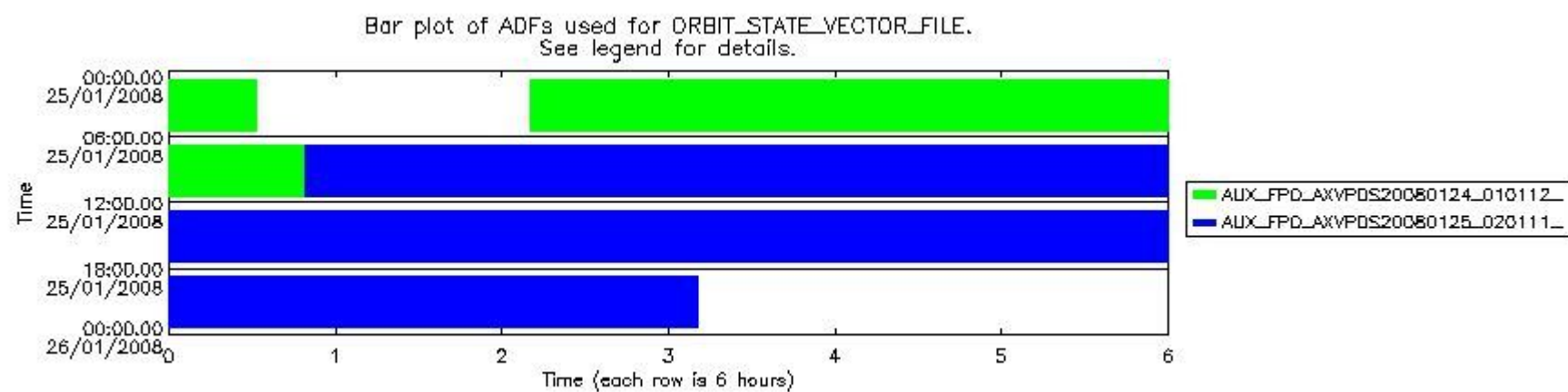
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

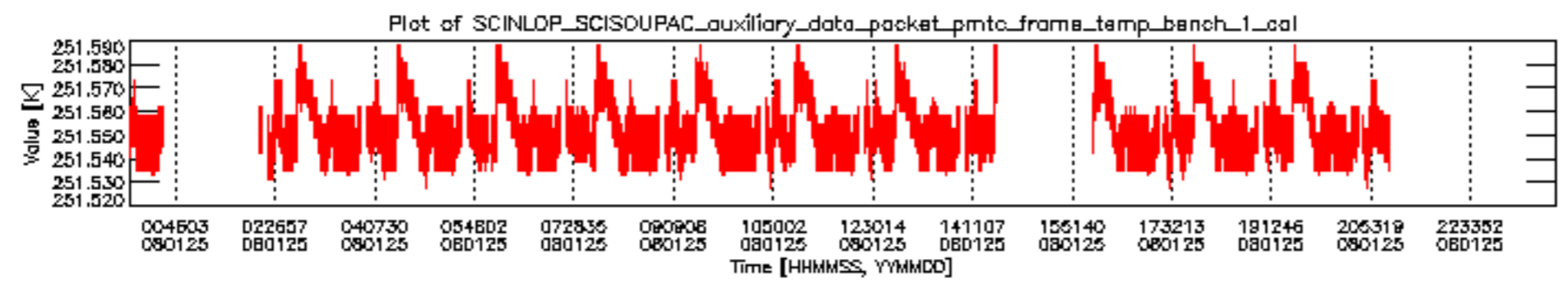
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20080124_010112_20080123_183526_20080202_200139
2	AUX_FPO_AXVPDS20080125_020111_20080124_194425_20080203_211038



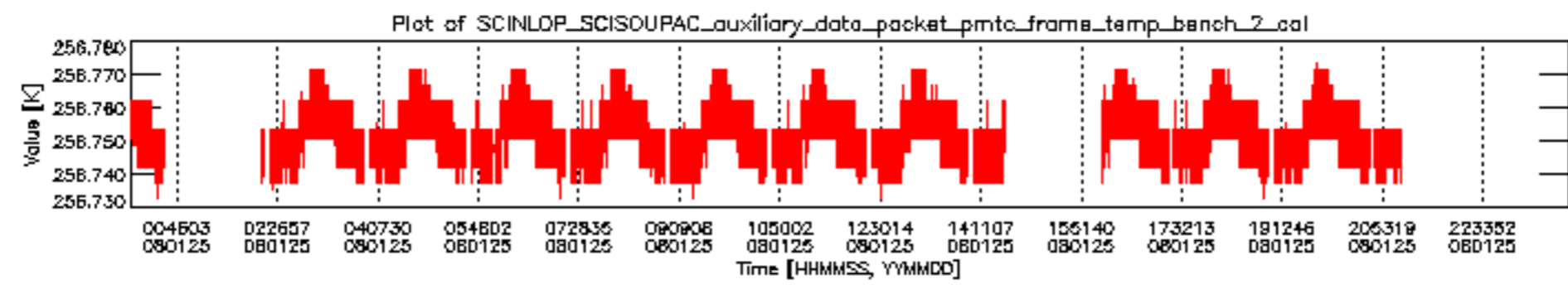
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080125\_7.PNG

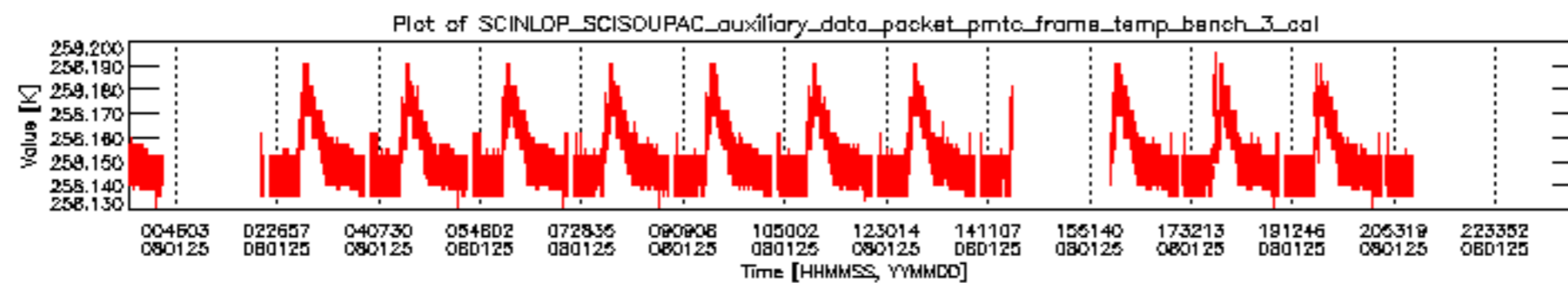


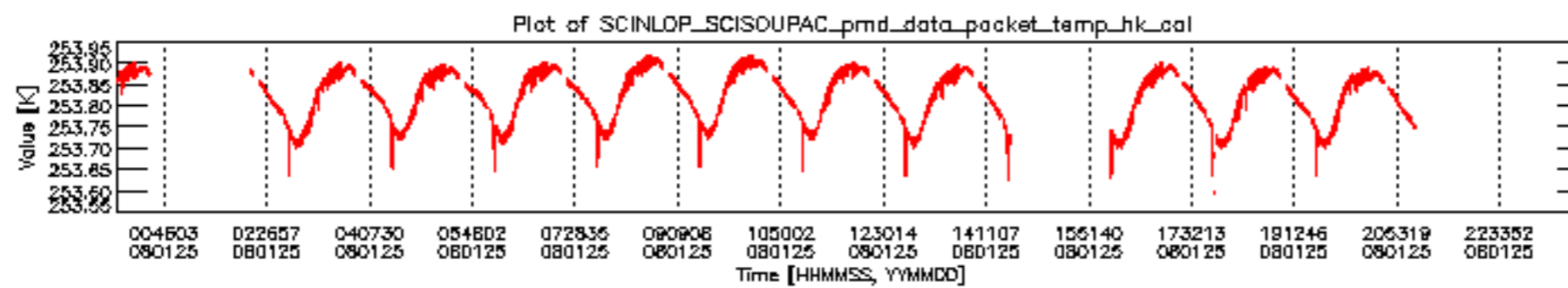
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080125\_8.PNG

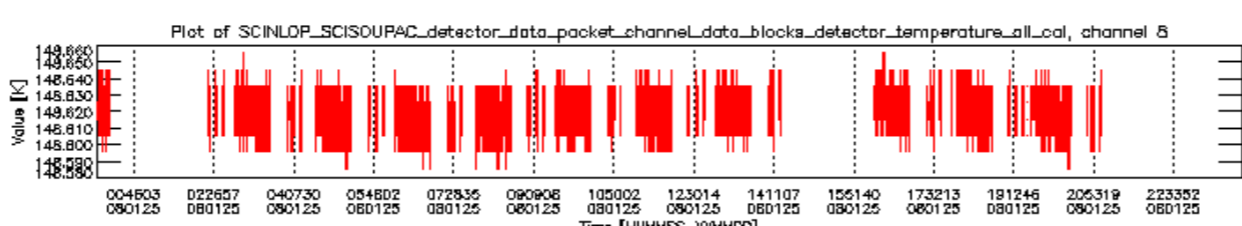
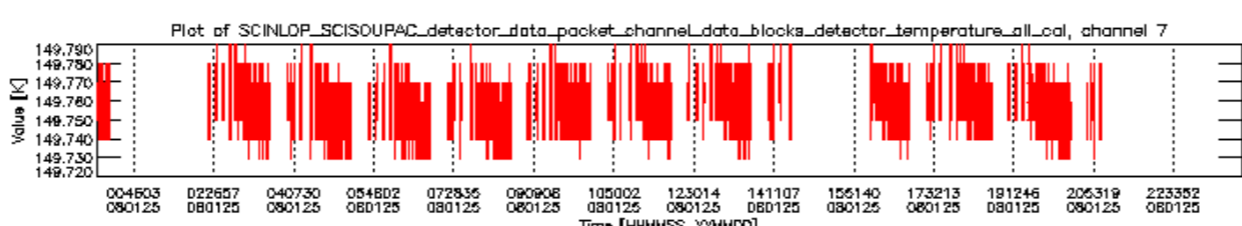
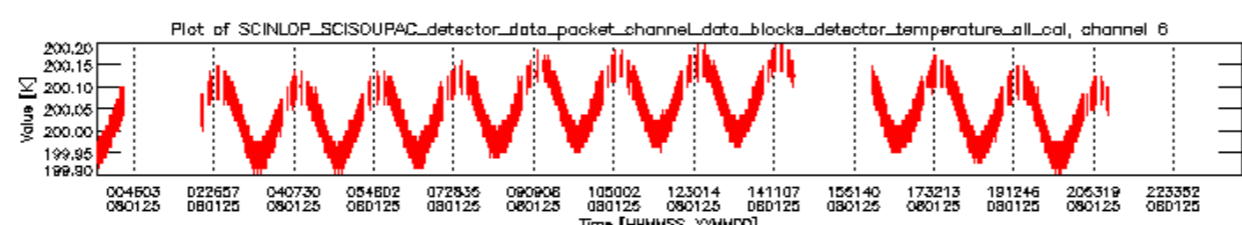
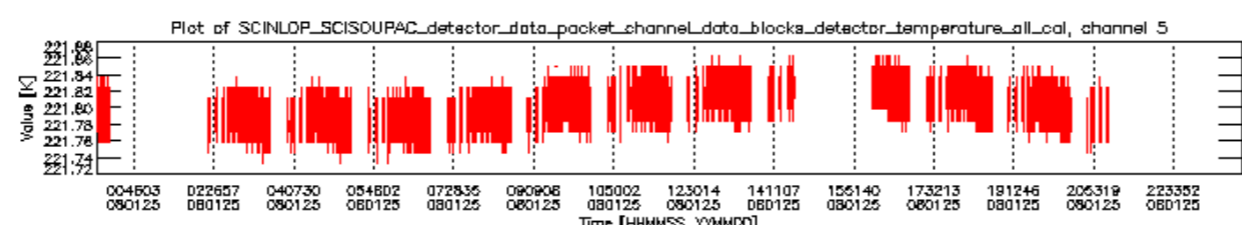
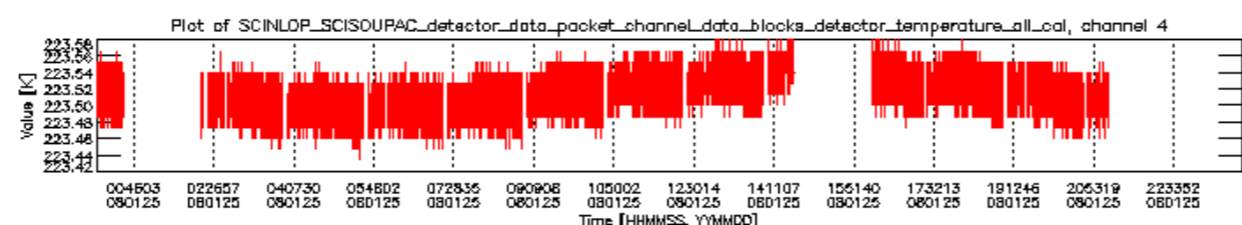
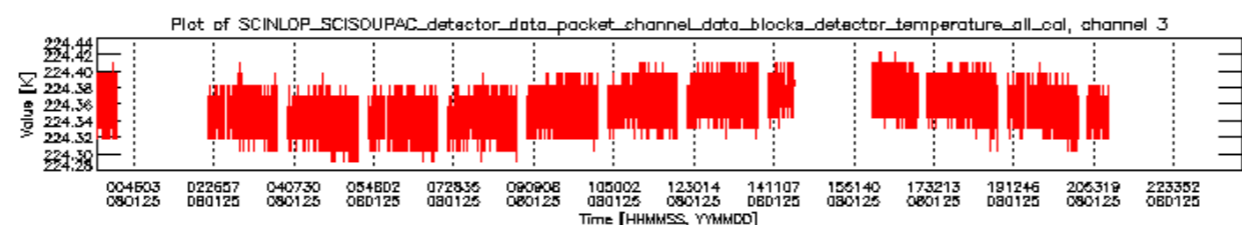
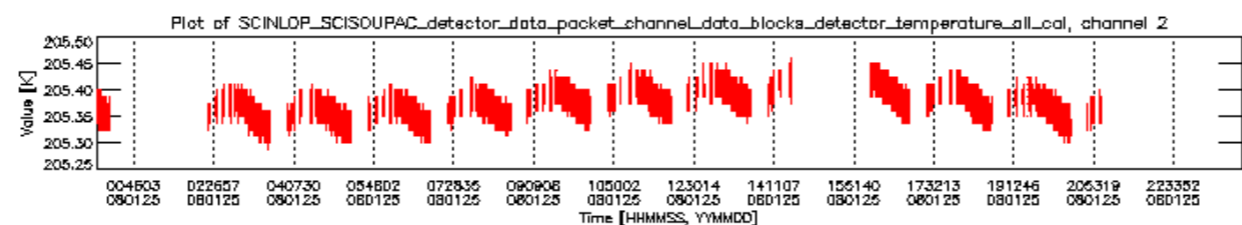
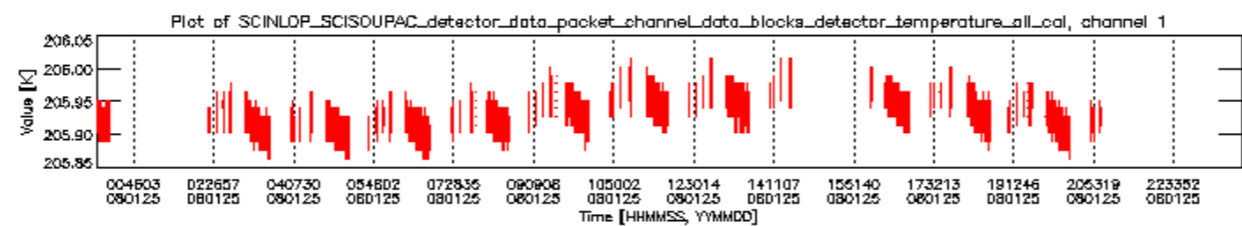


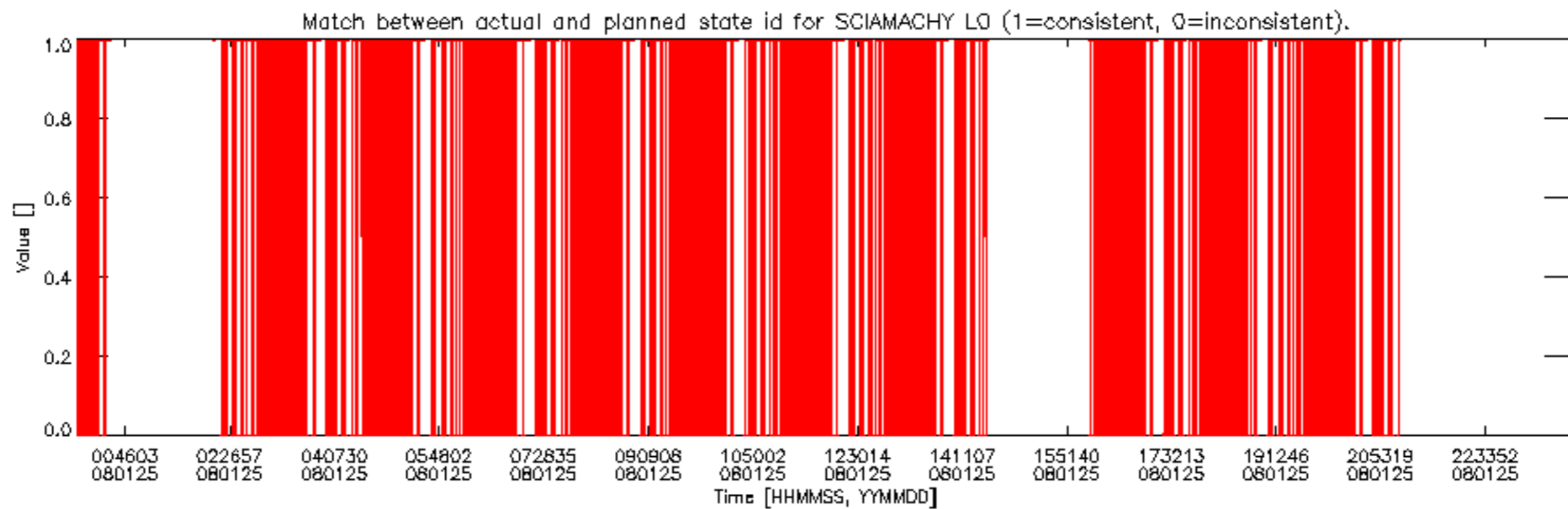
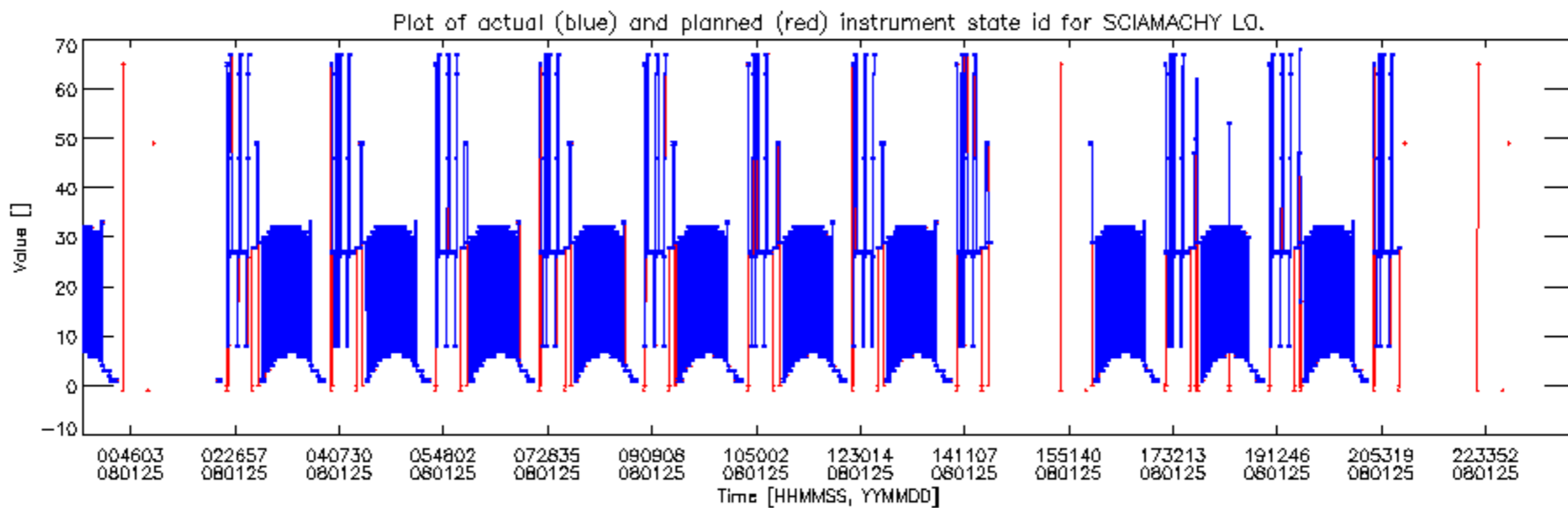












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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