

## 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	13MAR2008 04:12:16
Data source version	KSPT_L0/4303-N
Processing scope for products	09MAR2008 00:00:00 to 10MAR2008 00:00:00
Start time of first product within scope	08MAR2008 23:42:25
Stop time of last product within scope	10MAR2008 00:59:35
Total number of level 0 products	15
Number of level 0 products with errors	8

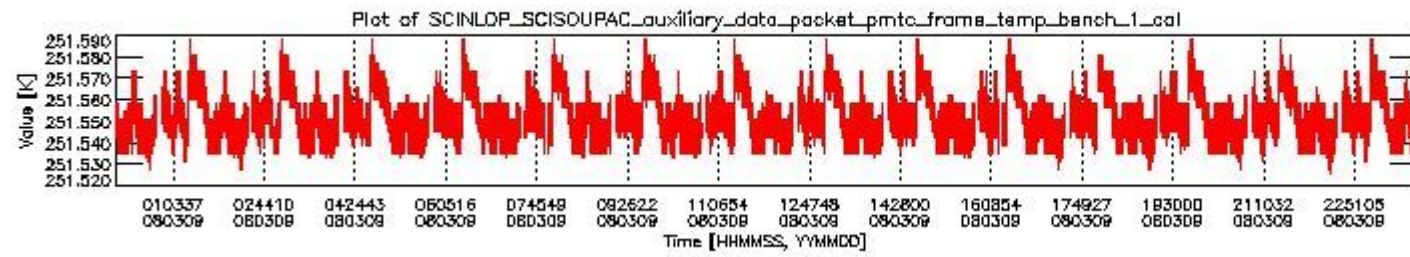
### 0.1.2 Summary per product

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

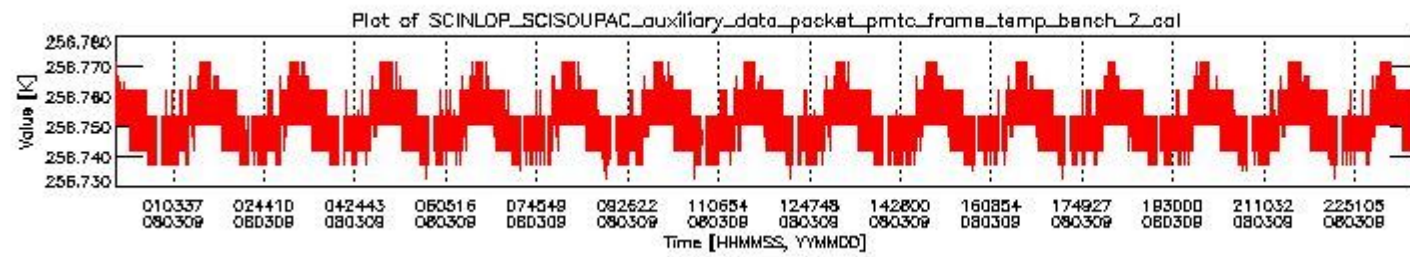
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080308_234225_000065332066_00374_31490_6231.N1	08MAR2008 23:42:25	09MAR2008 01:31:18	1	0	1	0	0
1	SCI_NL__OPNPDE20080309_012601_000064092066_00375_31491_6232.N1	09MAR2008 01:26:01	09MAR2008 03:12:50	1	0	1	0	0
2	SCI_NL__OPNPDE20080309_030841_000064092066_00376_31492_6233.N1	09MAR2008 03:08:41	09MAR2008 04:55:30	1	0	1	0	0
3	SCI_NL__OPNPDE20080309_044916_000065332066_00377_31493_6234.N1	09MAR2008 04:49:16	09MAR2008 06:38:10	1	0	1	0	0
4	SCI_NL__OPNPDK20080309_063252_000061732066_00378_31494_7597.N1	09MAR2008 06:32:52	09MAR2008 08:15:45	0	0	0	0	0
5	SCI_NL__OPNPDK20080309_081545_000058982066_00379_31495_7598.N1	09MAR2008 08:15:45	09MAR2008 09:54:03	0	0	0	0	0
6	SCI_NL__OPNPDK20080309_095159_000061732066_00380_31496_7599.N1	09MAR2008 09:51:59	09MAR2008 11:34:51	0	0	0	0	0
7	SCI_NL__OPNPDK20080309_113343_000060352066_00381_31497_7600.N1	09MAR2008 11:33:43	09MAR2008 13:14:18	0	0	0	0	0
8	SCI_NL__OPNPDK20080309_131310_000058552066_00382_31498_7601.N1	09MAR2008 13:13:10	09MAR2008 14:50:45	1	1	0	0	0
9	SCI_NL__OPNPDK20080309_144949_000059112066_00383_31499_7602.N1	09MAR2008 14:49:49	09MAR2008 16:28:20	0	0	0	0	0
10	SCI_NL__OPNPDK20080309_162724_000059652066_00384_31500_7603.N1	09MAR2008 16:27:24	09MAR2008 18:06:49	0	0	0	0	0
11	SCI_NL__OPNPDK20080309_180446_000060362066_00385_31501_7604.N1	09MAR2008 18:04:46	09MAR2008 19:45:21	1	0	1	0	0
12	SCI_NL__OPNPDK20080309_194521_000061732066_00386_31502_7605.N1	09MAR2008 19:45:21	09MAR2008 21:28:15	0	0	0	0	0
13	SCI_NL__OPNPDE20080309_212557_000067702066_00387_31503_6235.N1	09MAR2008 21:25:57	09MAR2008 23:18:47	1	0	1	0	0
14	SCI_NL__OPNPDE20080309_231234_000064212066_00388_31504_6236.N1	09MAR2008 23:12:34	10MAR2008 00:59:35	1	0	1	0	0

## 0.2 Product Quality Indicators

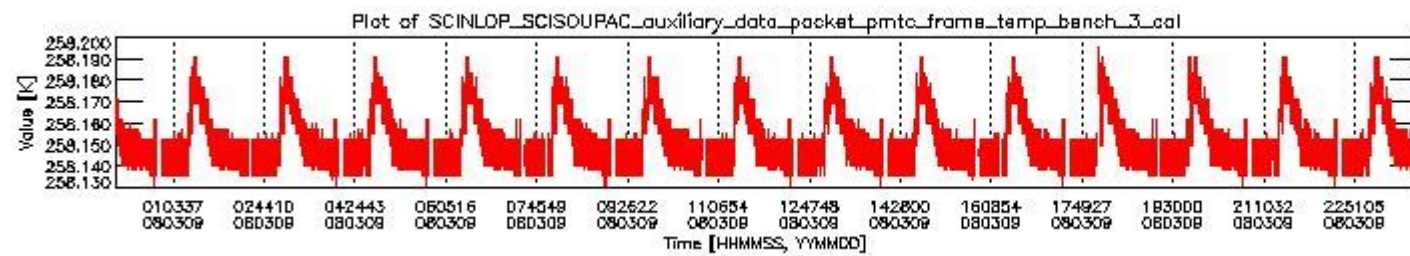
This section shows information about product quality, currently temperatures.



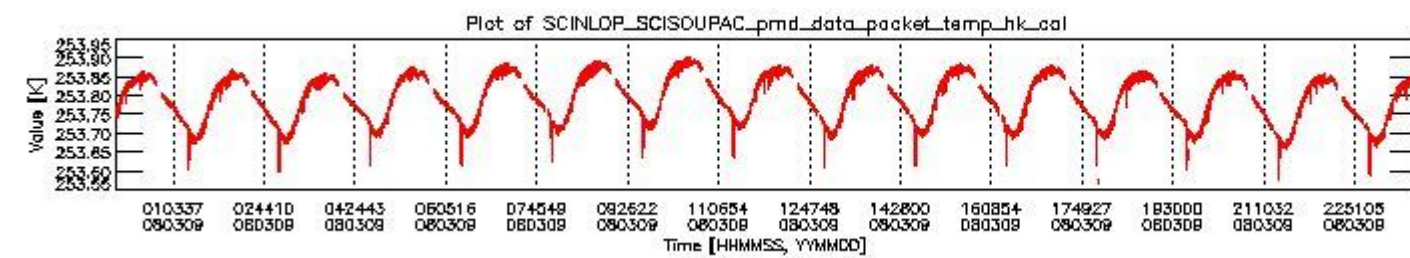
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080309\_0.PNG



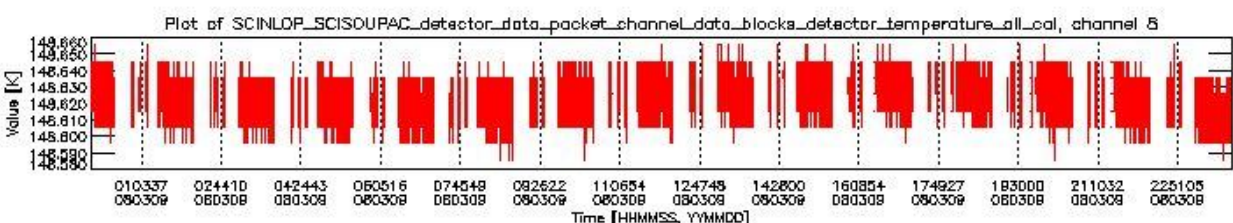
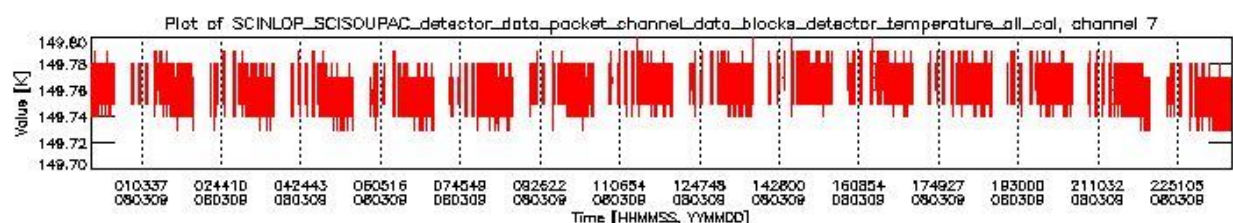
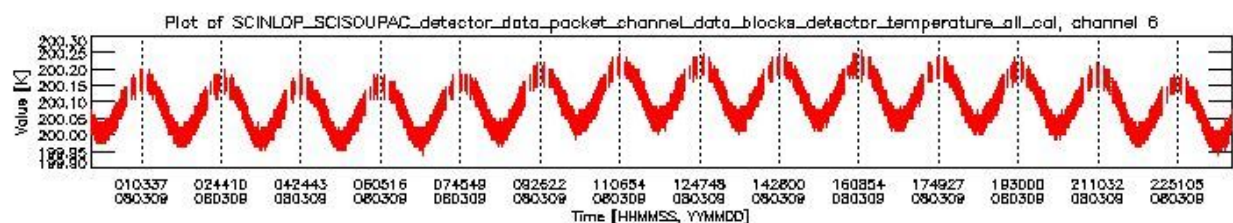
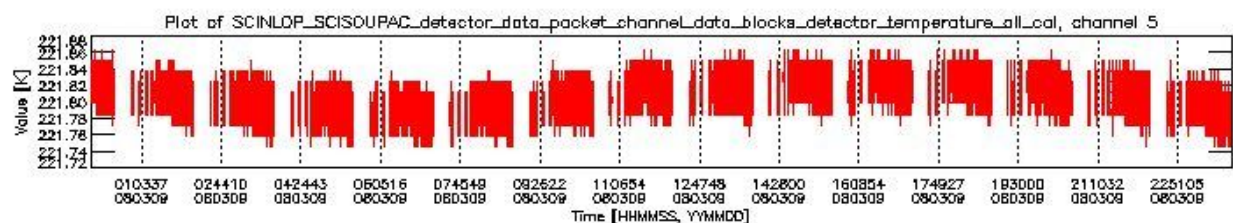
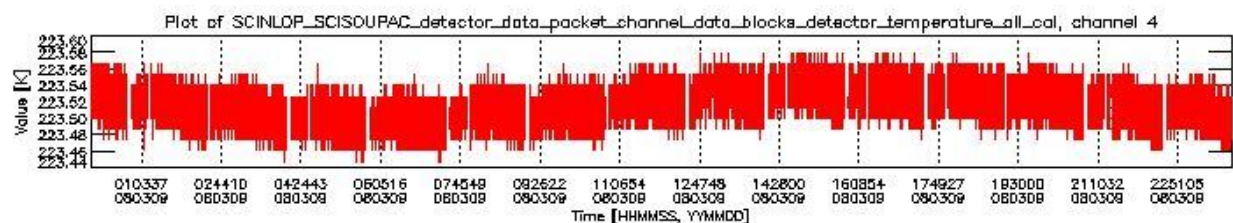
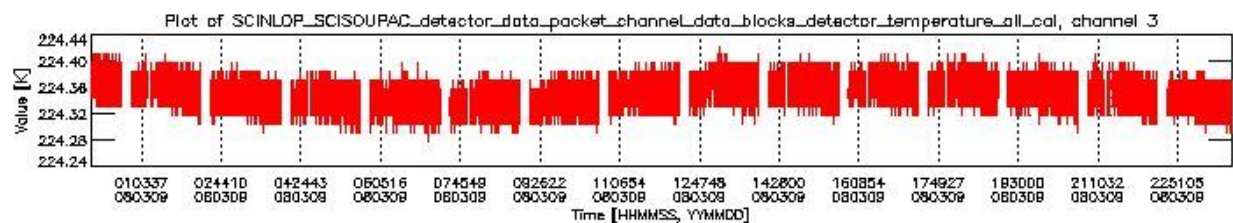
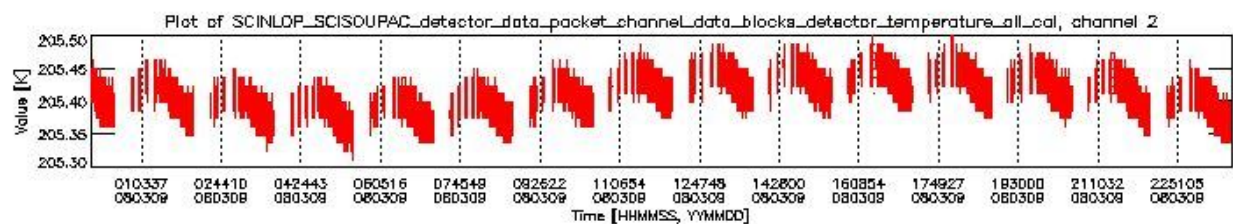
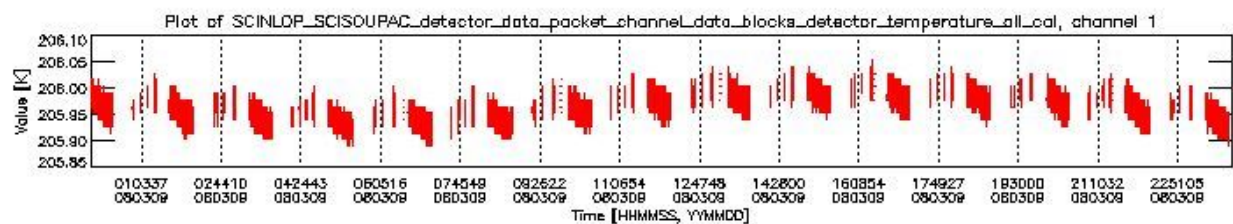
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080309\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080309\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080309\_3.PNG

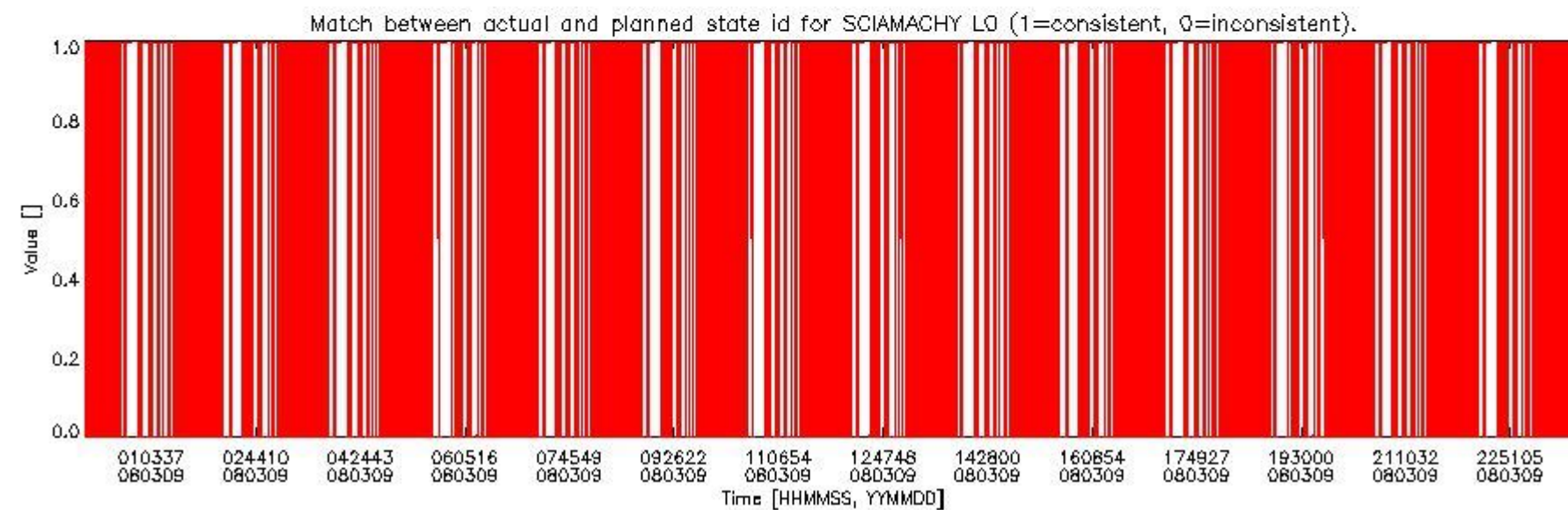
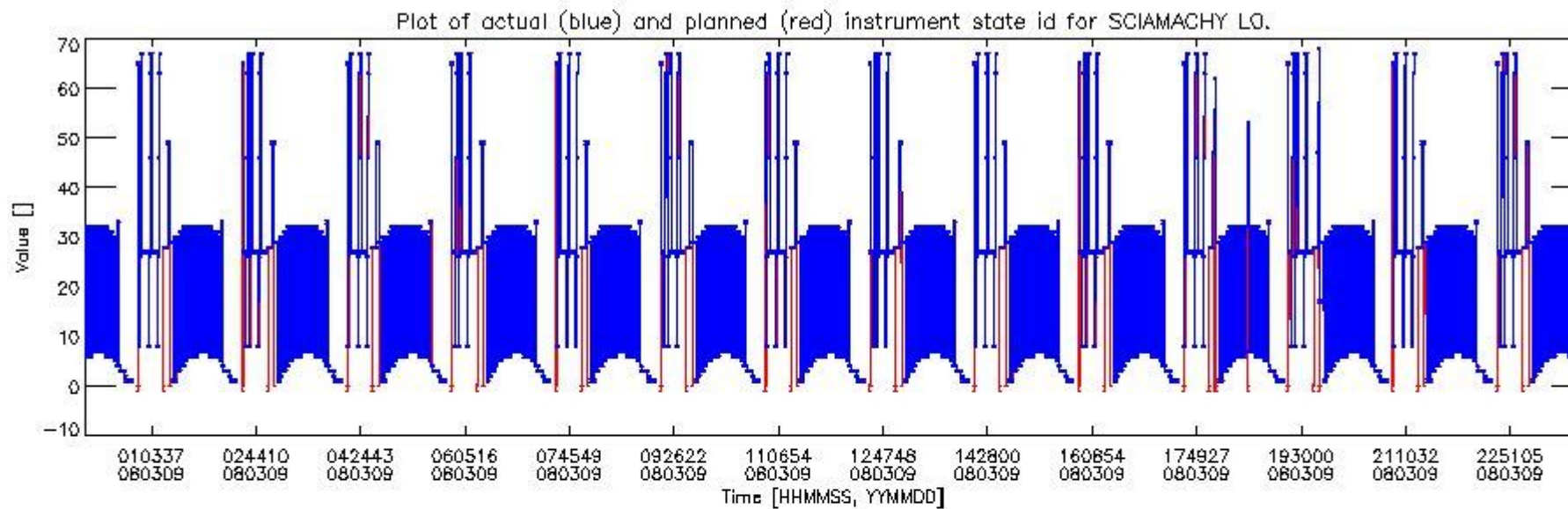


### 0.3 State monitoring

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: **34151**

#	Actual time	Actual value	Planned time	Planned value
0	09MAR2008 00:00:00.225990	32	09MAR2008 00:00:00.225990	6
1	09MAR2008 00:00:00.788489	32	09MAR2008 00:00:00.788489	6
2	09MAR2008 00:00:01.163502	32	09MAR2008 00:00:01.163502	6
3	09MAR2008 00:00:01.538515	32	09MAR2008 00:00:01.538515	6
4	09MAR2008 00:00:01.913488	32	09MAR2008 00:00:01.913488	6
5	09MAR2008 00:00:02.163497	32	09MAR2008 00:00:02.163497	6
6	09MAR2008 00:00:02.475987	32	09MAR2008 00:00:02.475987	6
7	09MAR2008 00:00:02.851000	32	09MAR2008 00:00:02.851000	6
8	09MAR2008 00:00:03.226013	32	09MAR2008 00:00:03.226013	6
9	09MAR2008 00:00:03.600986	32	09MAR2008 00:00:03.600986	6
10	09MAR2008 00:00:04.163486	32	09MAR2008 00:00:04.163486	6
11	09MAR2008 00:00:04.538499	32	09MAR2008 00:00:04.538499	6
12	09MAR2008 00:00:53.034595	6	09MAR2008 00:00:53.034595	32
13	09MAR2008 00:00:53.409608	6	09MAR2008 00:00:53.409608	32
14	09MAR2008 00:00:53.659616	6	09MAR2008 00:00:53.659616	32
15	09MAR2008 00:00:53.909585	6	09MAR2008 00:00:53.909585	32
16	09MAR2008 00:00:54.159594	6	09MAR2008 00:00:54.159594	32
17	09MAR2008 00:00:54.409602	6	09MAR2008 00:00:54.409602	32
18	09MAR2008 00:00:54.659611	6	09MAR2008 00:00:54.659611	32
19	09MAR2008 00:00:54.909620	6	09MAR2008 00:00:54.909620	32
	...	...	...	...

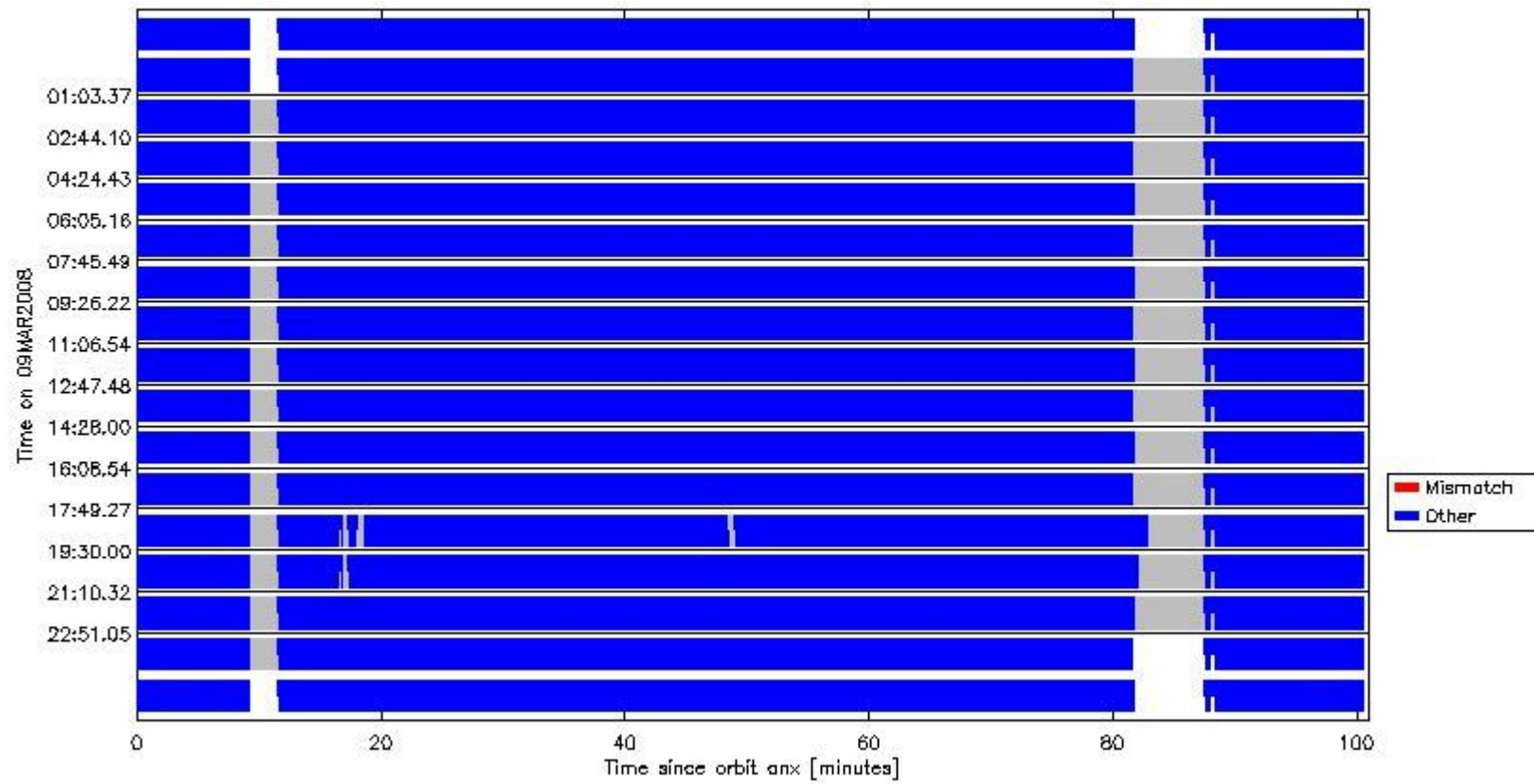


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080309\_5.PNG

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 09MAR2008.  
 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\_20080309\_6.PNG

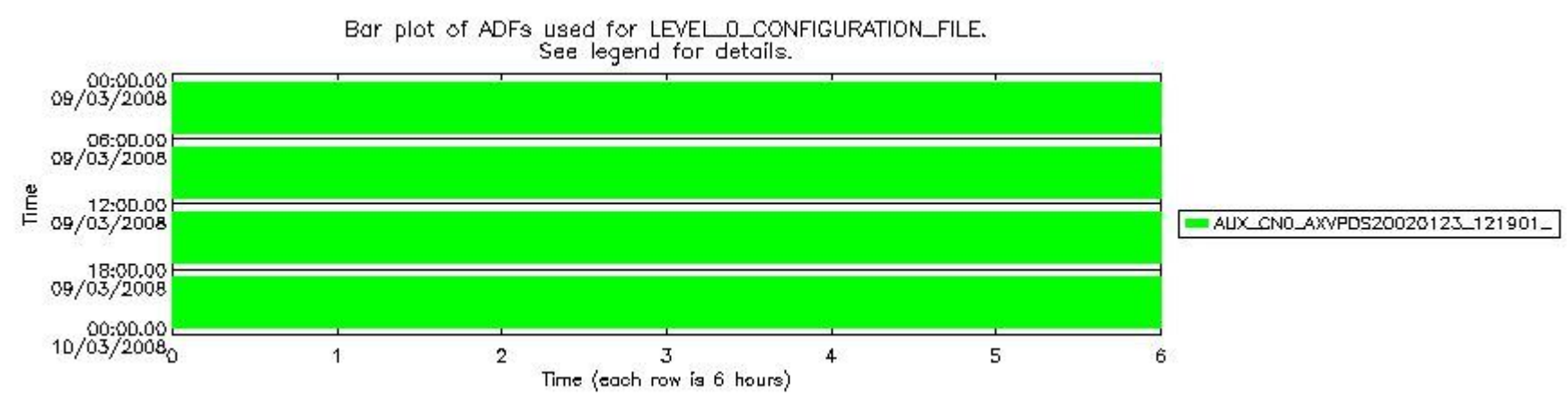
## 0.4 ADF monitoring

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

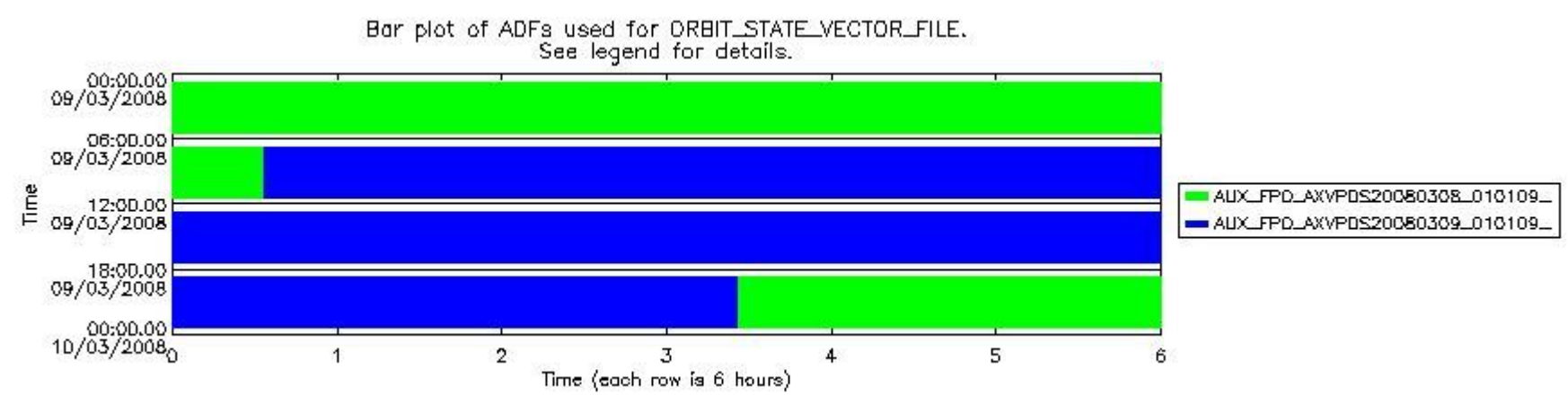
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

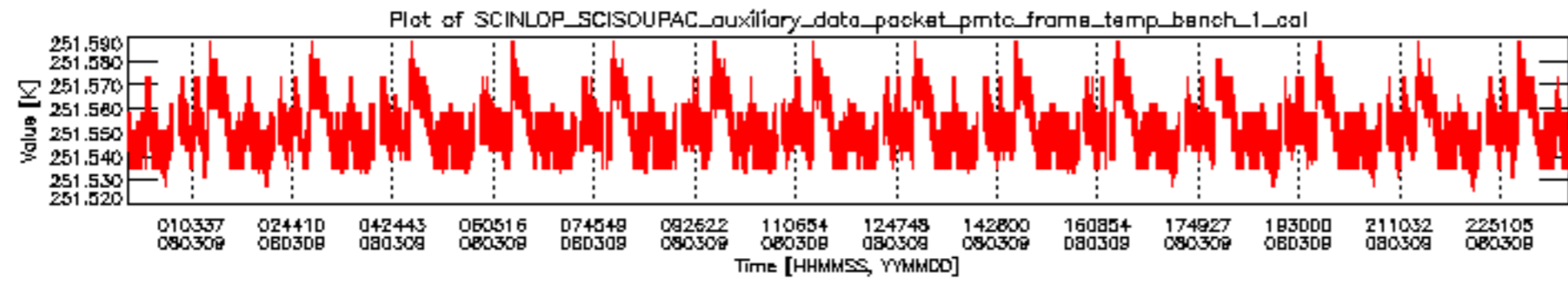
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20080308_010109_20080307_185241_20080317_201855</b>
2	<b>AUX_FPO_AXVPDS20080309_010109_20080308_182104_20080318_212754</b>



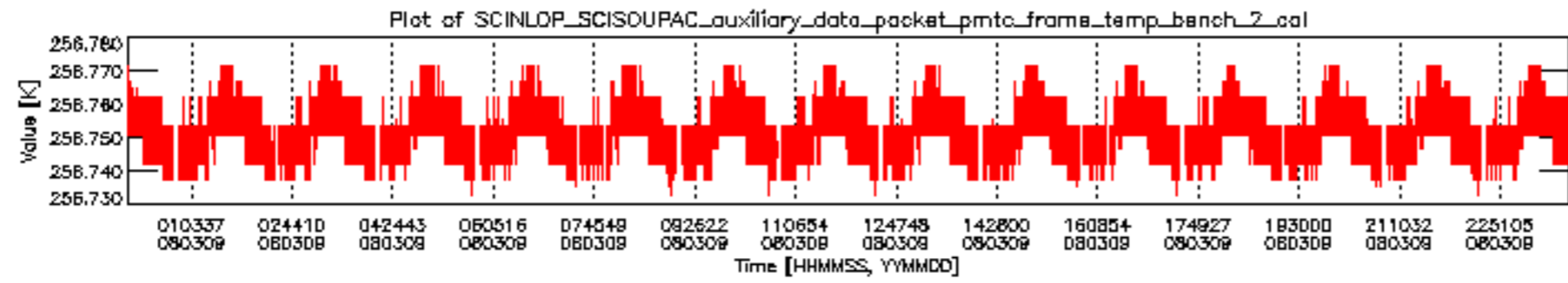
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080309\_7.PNG

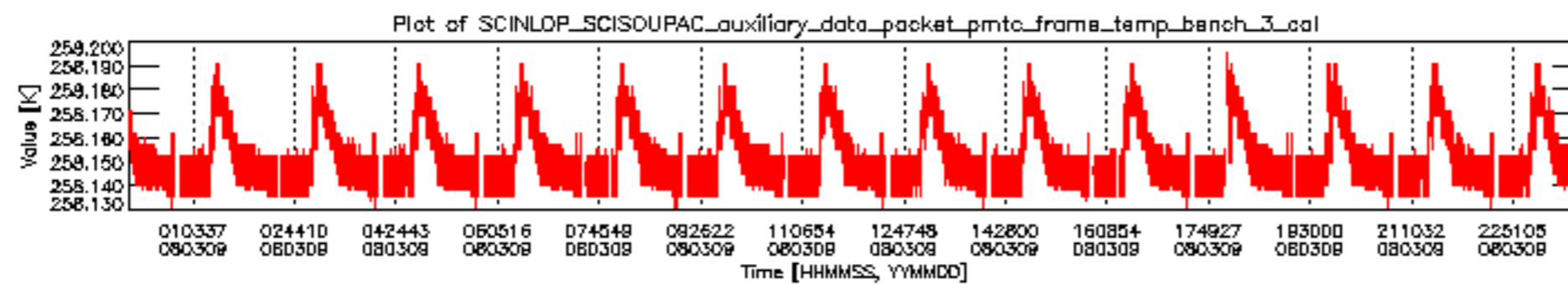


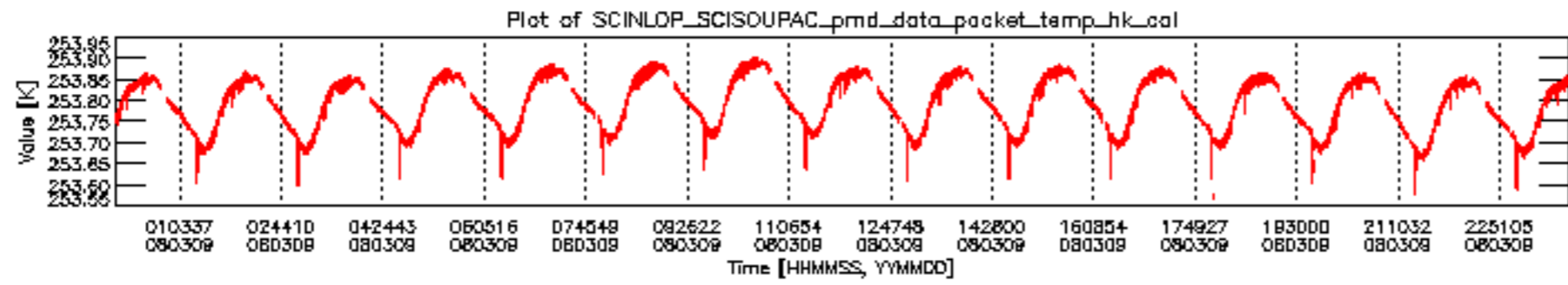
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080309\_8.PNG

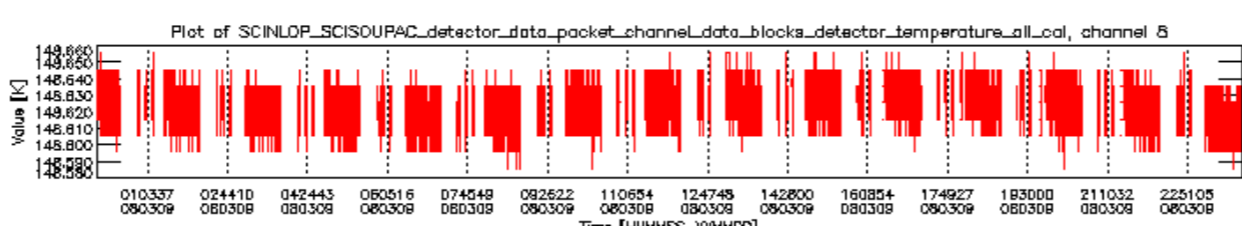
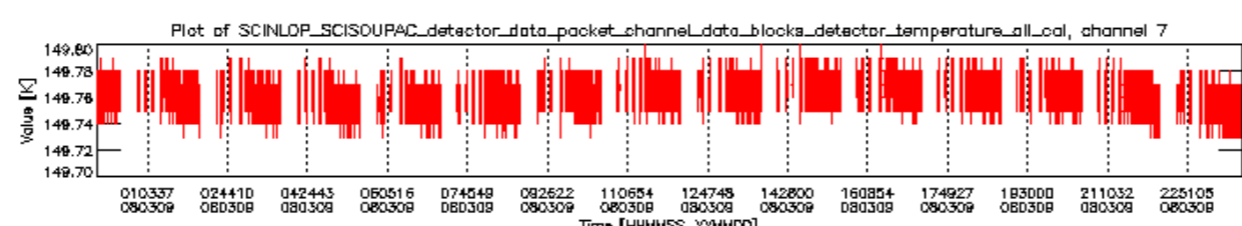
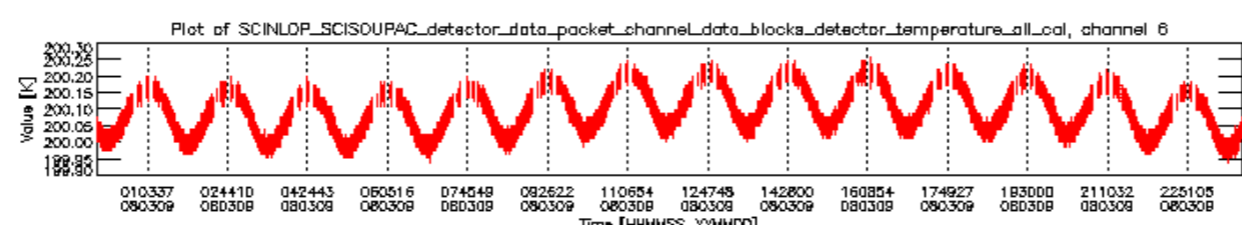
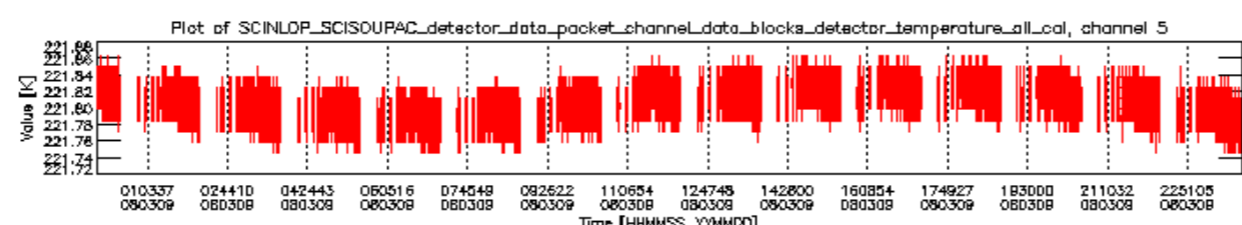
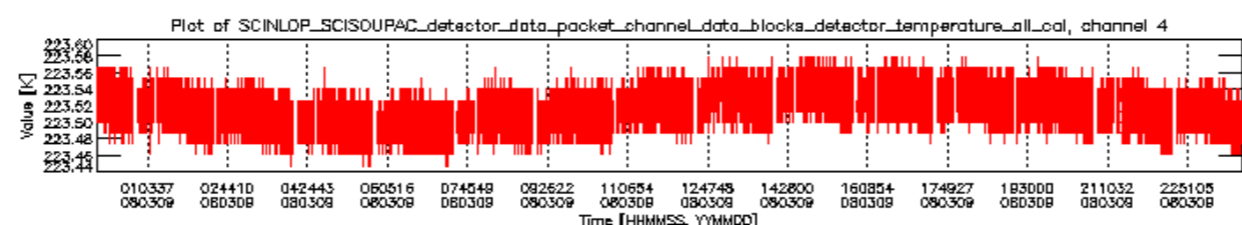
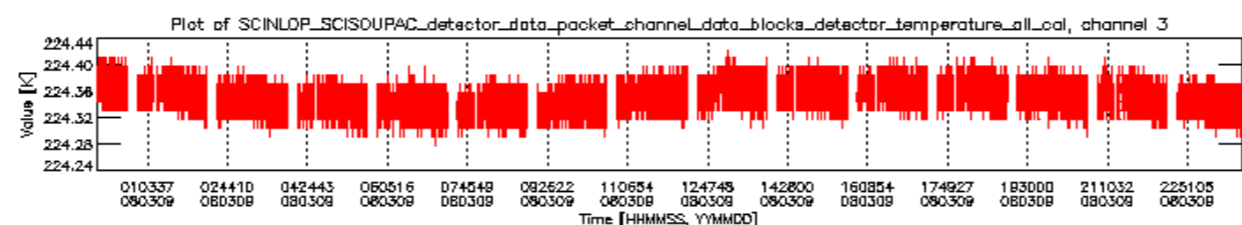
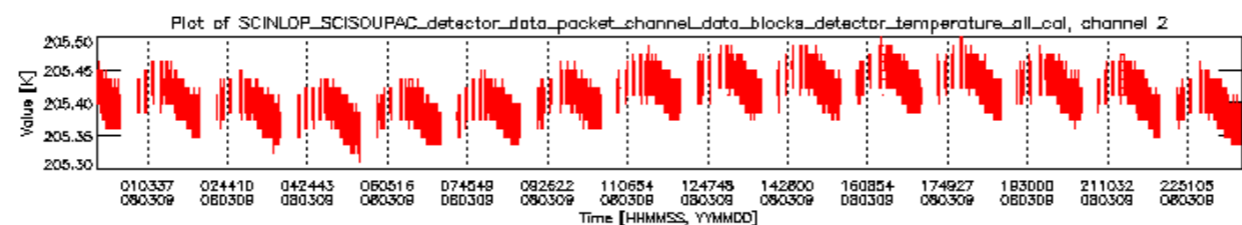
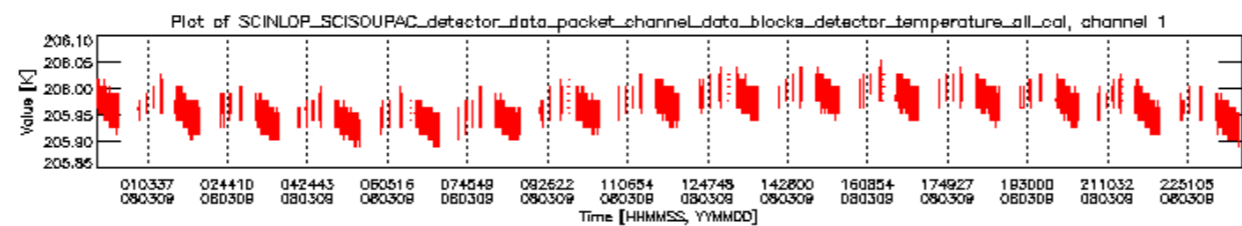


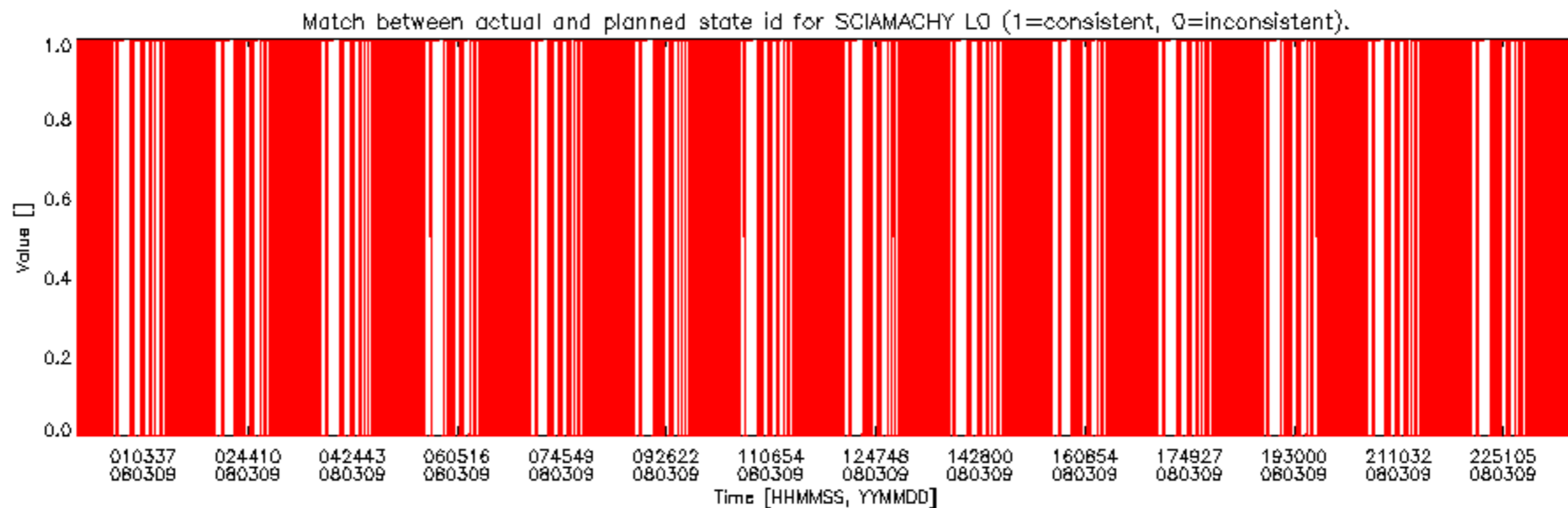
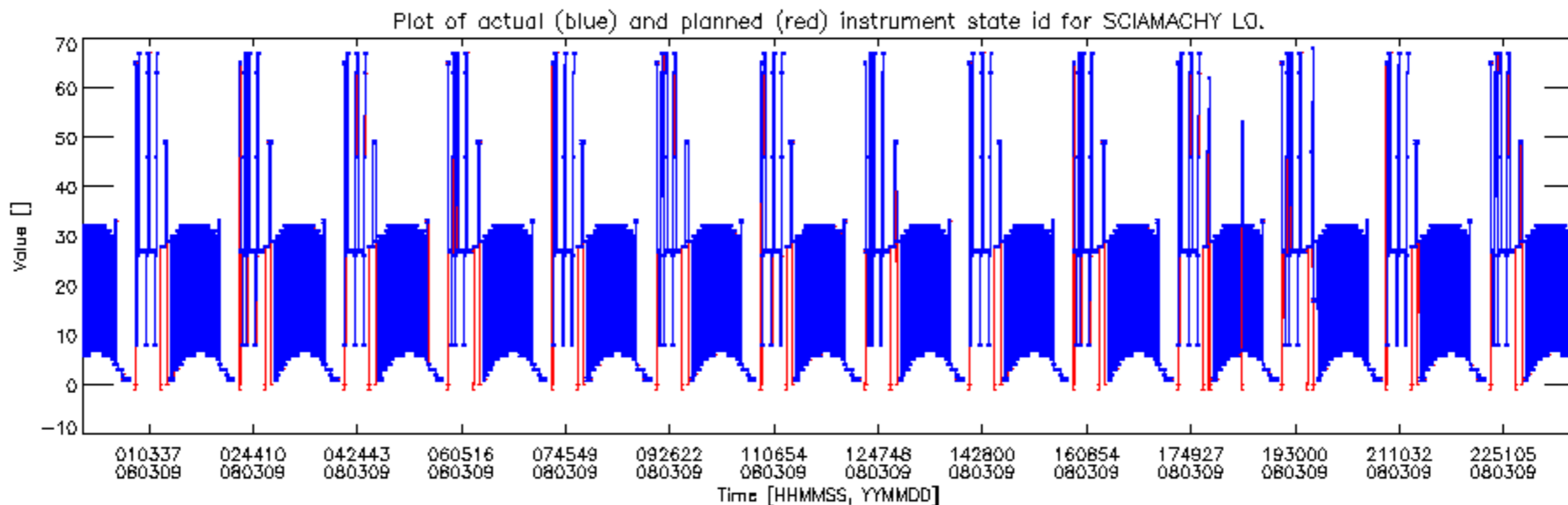












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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