

# 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	v1.4 20100407
Time of report generation	14JUL2011 09:25:05
Data source version	KSPT_L0/4504-N
Processing scope for products	06JUL2011 00:00:00 to 07JUL2011 00:00:00
Start time of first product within scope	06JUL2011 01:07:17
Stop time of last product within scope	07JUL2011 00:32:49
Total number of Level 0 products	6
Number of Level 0 products with errors	0

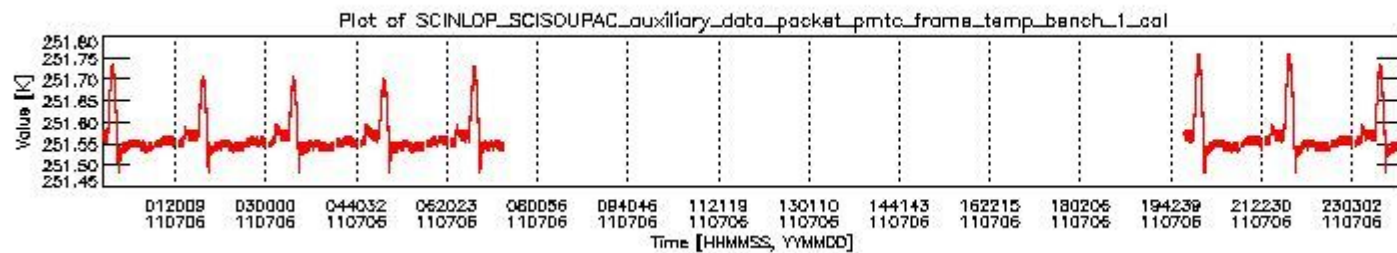
### 0.1.2 Summary per product

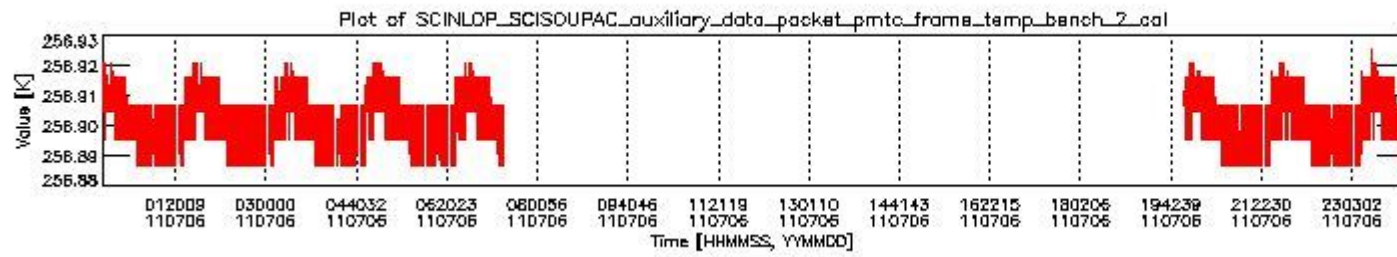
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDE20110706_010717_000102613104_00160_48881_6729.N1	06JUL2011 01:07:17	06JUL2011 03:58:18	0	0	0	0	0
1	SCI_NL__0PNPDE20110706_035709_000062743104_00162_48883_6730.N1	06JUL2011 03:57:09	06JUL2011 05:41:43	0	0	0	0	0
2	SCI_NL__0PNPDE20110706_054035_000061373104_00163_48884_6731.N1	06JUL2011 05:40:35	06JUL2011 07:22:51	0	0	0	0	0
3	SCI_NL__0PNPDE20110706_195642_000041843104_00172_48893_6732.N1	06JUL2011 19:56:42	06JUL2011 21:06:26	0	0	0	0	0
4	SCI_NL__0PNPDE20110706_210458_000063983104_00172_48893_6733.N1	06JUL2011 21:04:58	06JUL2011 22:51:36	0	0	0	0	0
5	SCI_NL__0PNPDE20110706_225052_000061173104_00173_48894_6734.N1	06JUL2011 22:50:52	07JUL2011 00:32:49	0	0	0	0	0

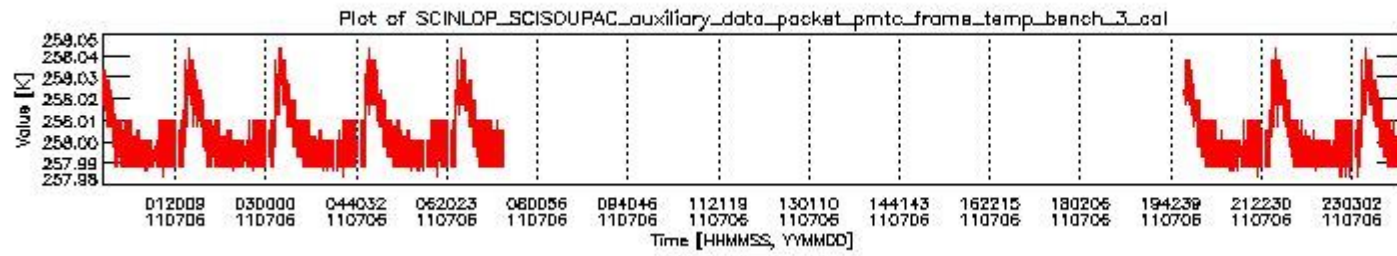
## 0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

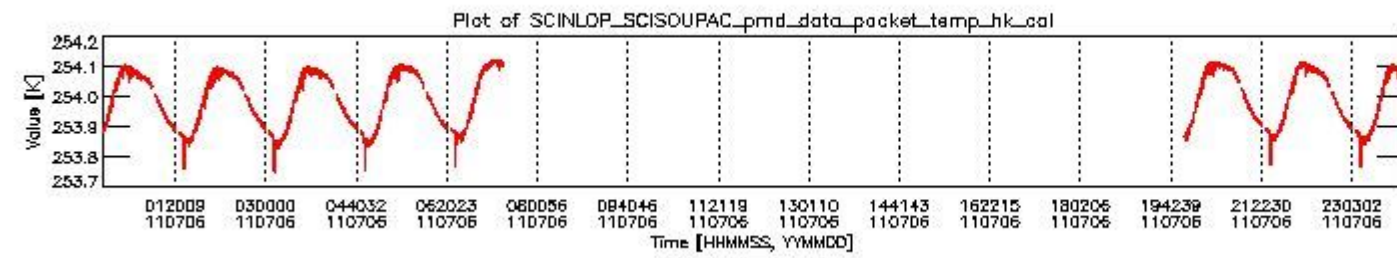




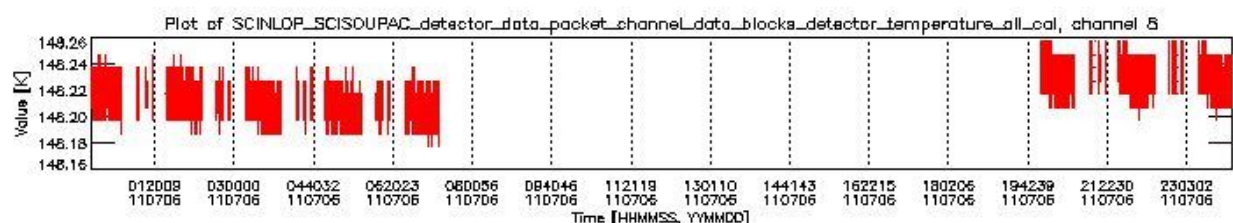
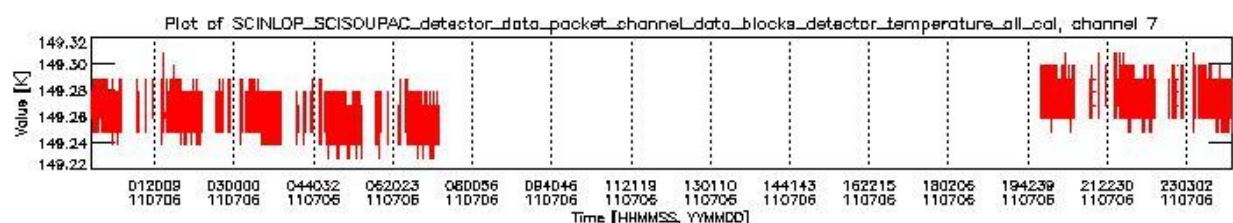
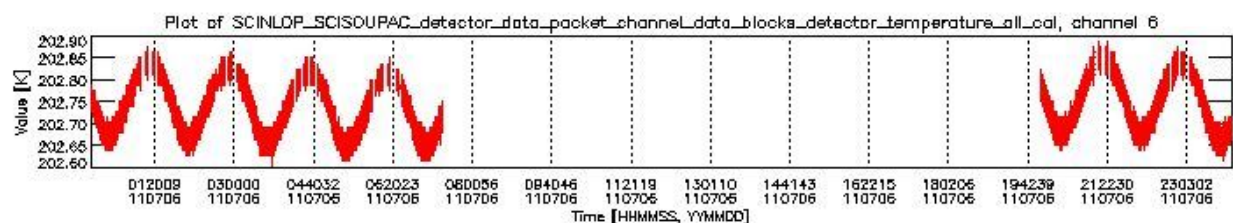
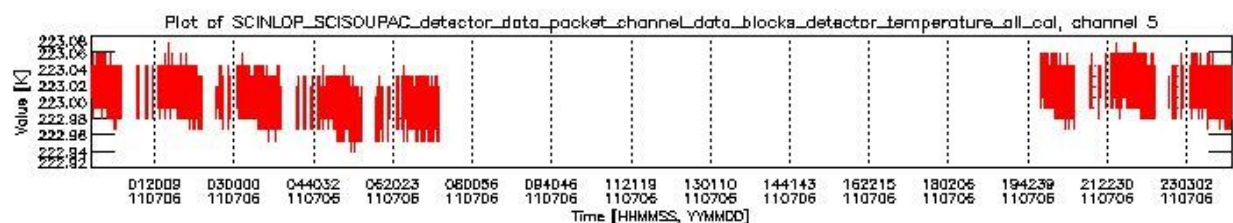
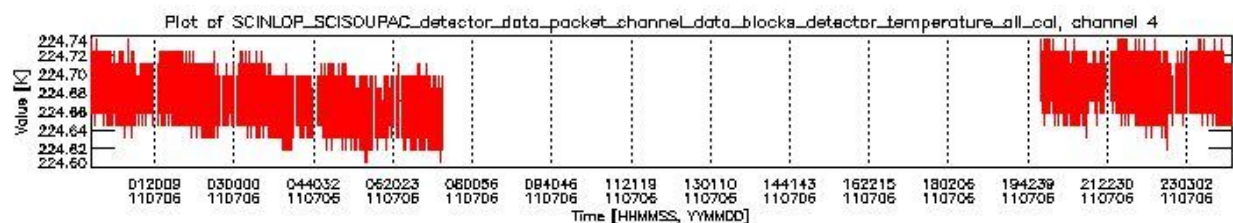
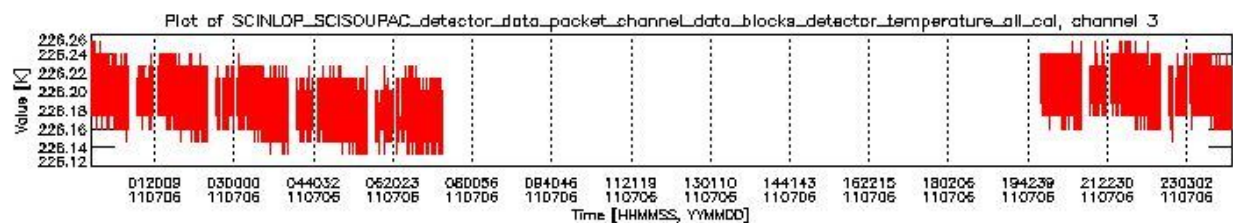
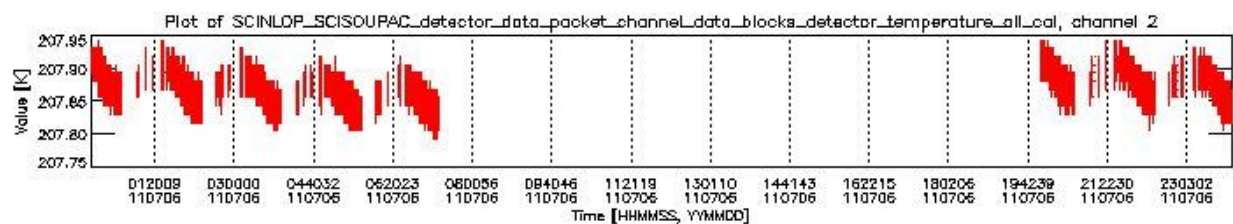
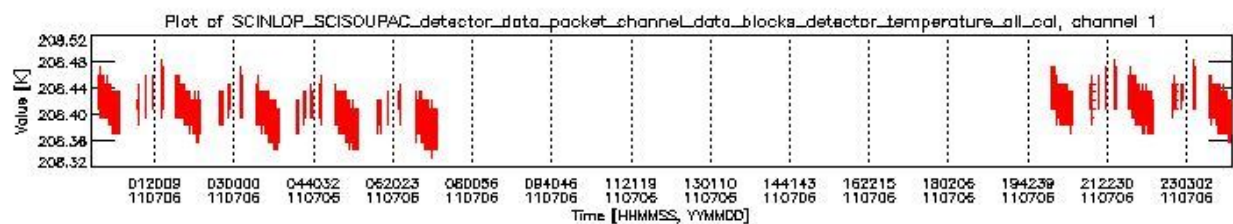
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110706\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110706\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110706\_3.PNG

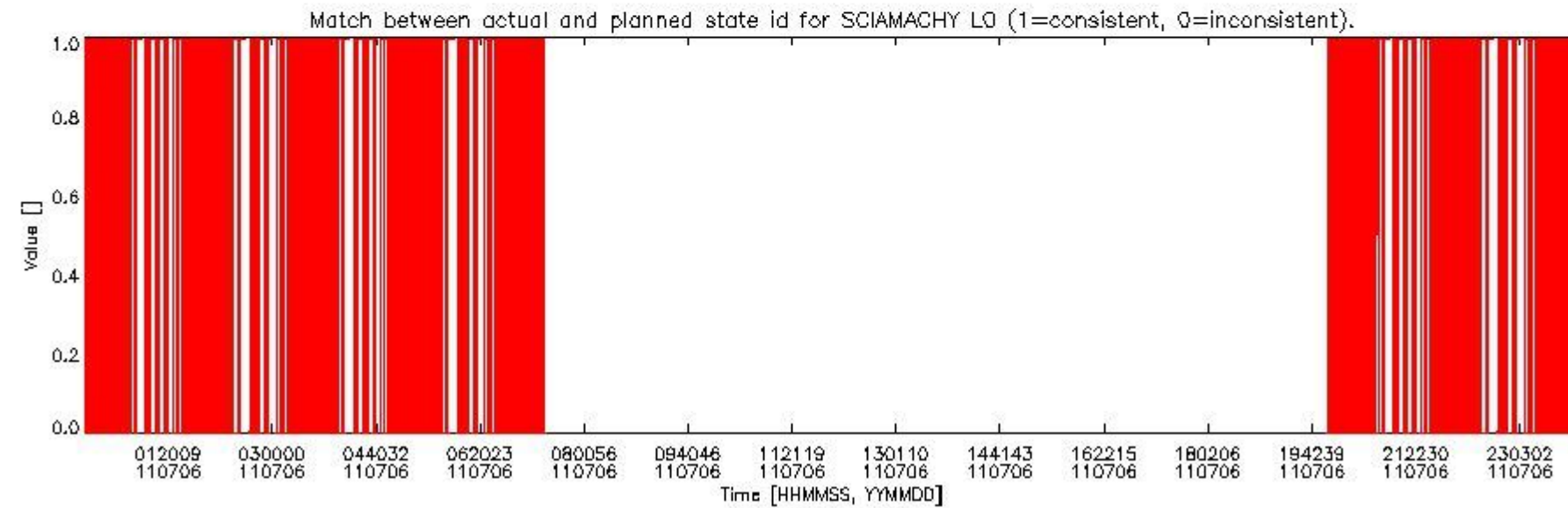
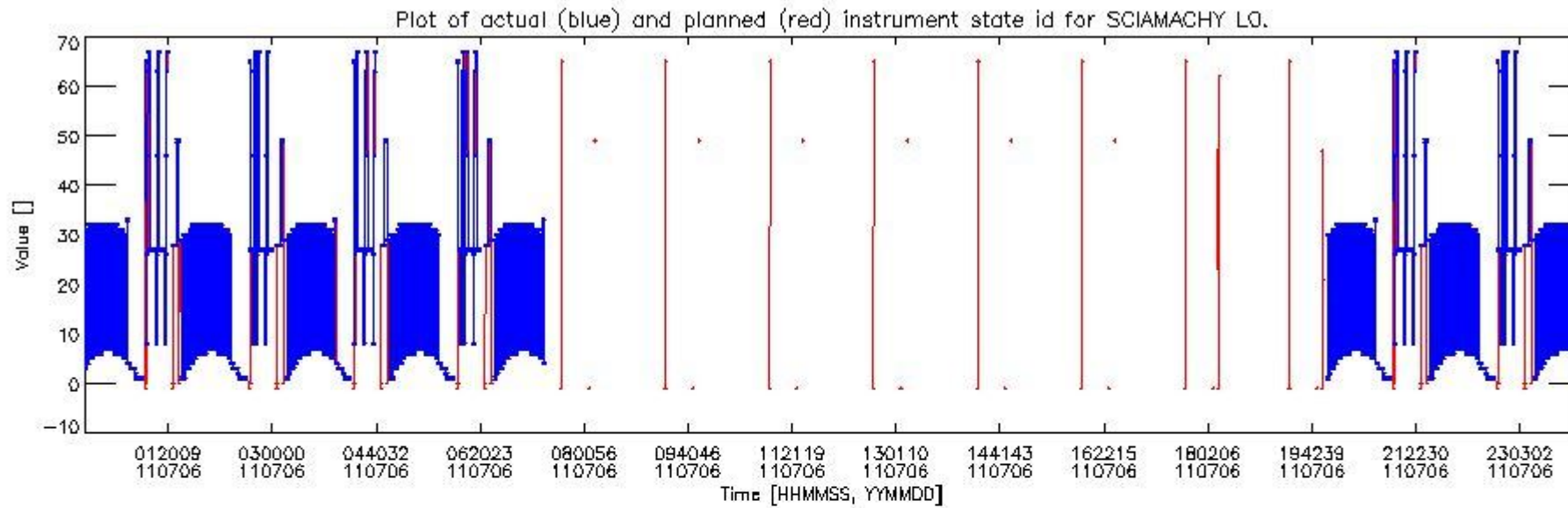


### 0.3 State monitoring

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: **40203**

#	Actual time	Actual value	Planned time	Planned value
0	06JUL2011 00:00:00.104061	3	06JUL2011 00:00:00.104061	31
1	06JUL2011 00:00:00.229061	3	06JUL2011 00:00:00.229061	31
2	06JUL2011 00:00:00.354061	3	06JUL2011 00:00:00.354061	31
3	06JUL2011 00:00:00.479061	3	06JUL2011 00:00:00.479061	31
4	06JUL2011 00:00:00.604061	3	06JUL2011 00:00:00.604061	31
5	06JUL2011 00:00:00.729061	3	06JUL2011 00:00:00.729061	31
6	06JUL2011 00:00:00.854061	3	06JUL2011 00:00:00.854061	31
7	06JUL2011 00:00:00.979061	3	06JUL2011 00:00:00.979061	31
8	06JUL2011 00:00:01.104061	3	06JUL2011 00:00:01.104061	31
9	06JUL2011 00:00:01.229061	3	06JUL2011 00:00:01.229061	31
10	06JUL2011 00:00:01.354061	3	06JUL2011 00:00:01.354061	31
11	06JUL2011 00:00:01.479061	3	06JUL2011 00:00:01.479061	31
12	06JUL2011 00:00:01.604061	3	06JUL2011 00:00:01.604061	31
13	06JUL2011 00:00:01.729061	3	06JUL2011 00:00:01.729061	31
14	06JUL2011 00:00:01.854061	3	06JUL2011 00:00:01.854061	31
15	06JUL2011 00:00:01.979061	3	06JUL2011 00:00:01.979061	31
16	06JUL2011 00:00:02.104061	3	06JUL2011 00:00:02.104061	31
17	06JUL2011 00:00:02.229061	3	06JUL2011 00:00:02.229061	31
18	06JUL2011 00:00:02.354061	3	06JUL2011 00:00:02.354061	31
19	06JUL2011 00:00:02.479061	3	06JUL2011 00:00:02.479061	31
	...	...	...	...

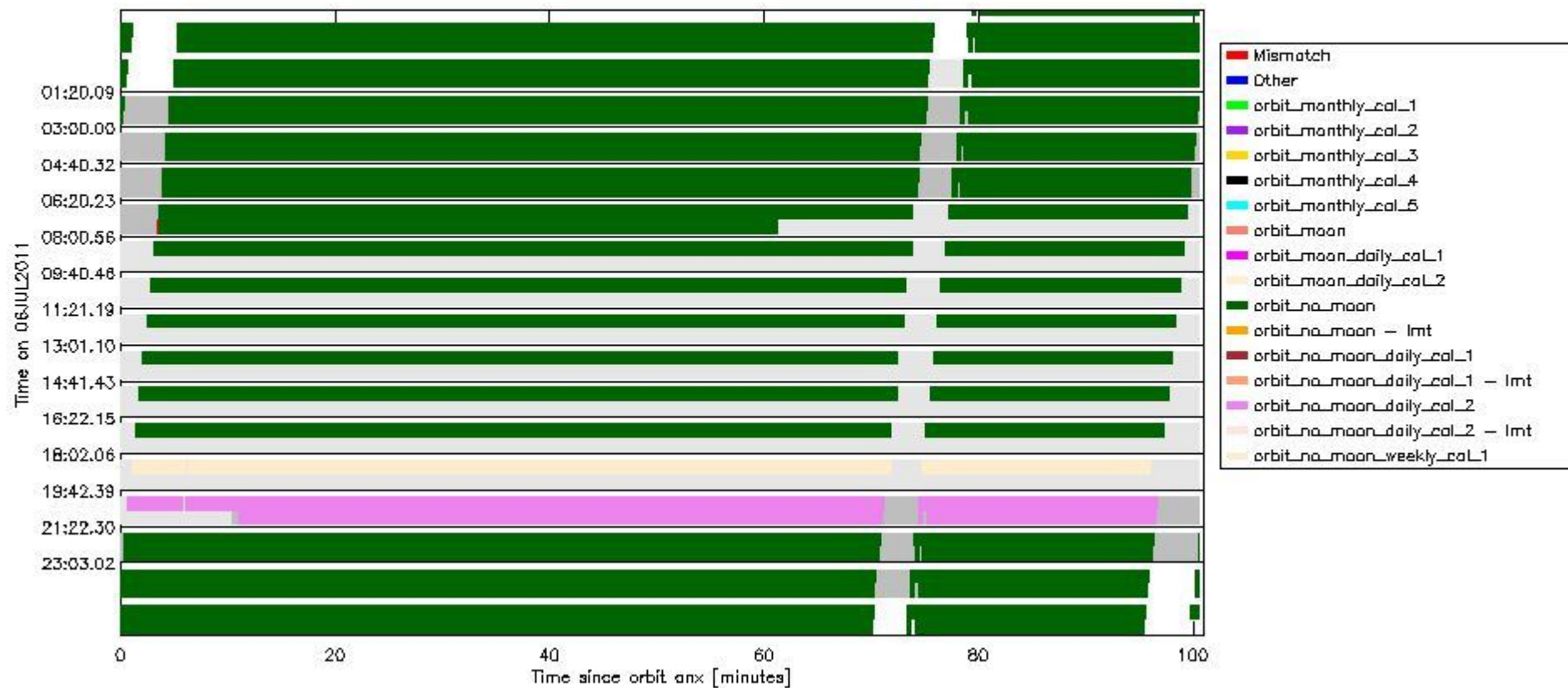


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110706\_5.PNG

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 06JUL2011.  
 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\_20110706\_6.PNG

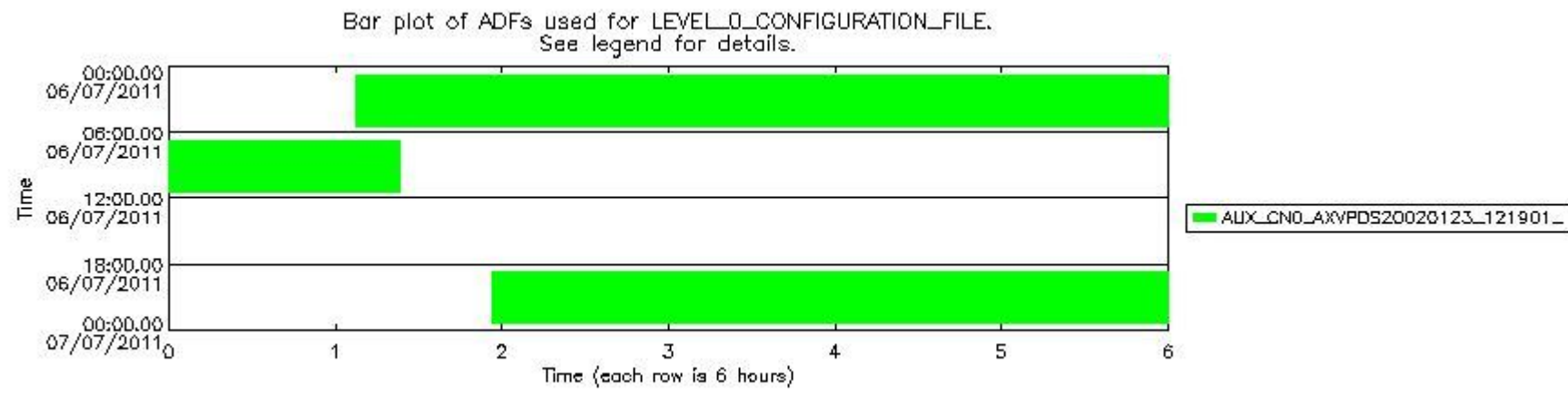
## 0.4 ADF monitoring

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

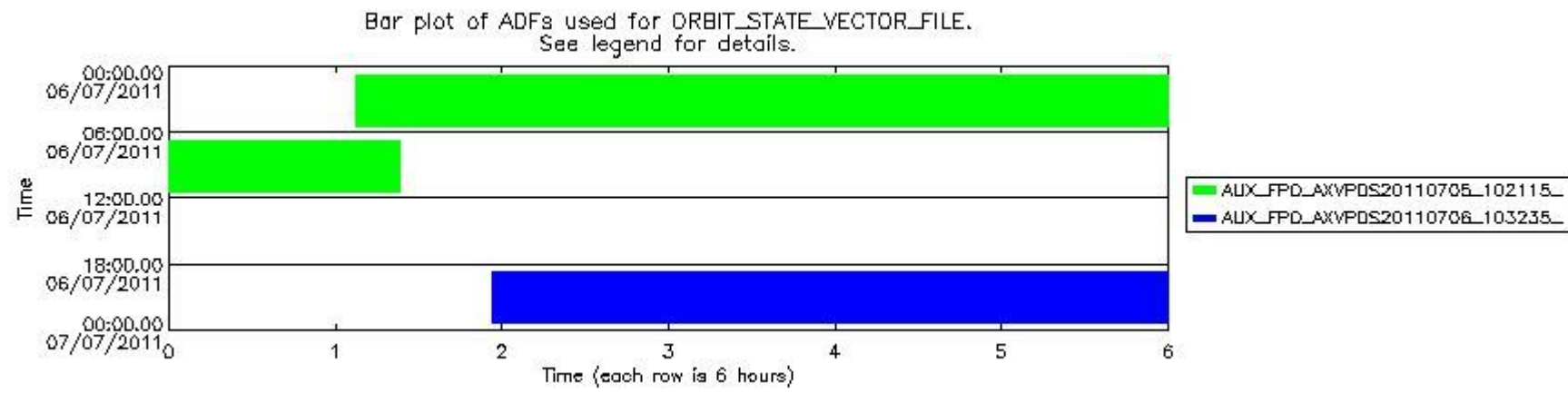
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

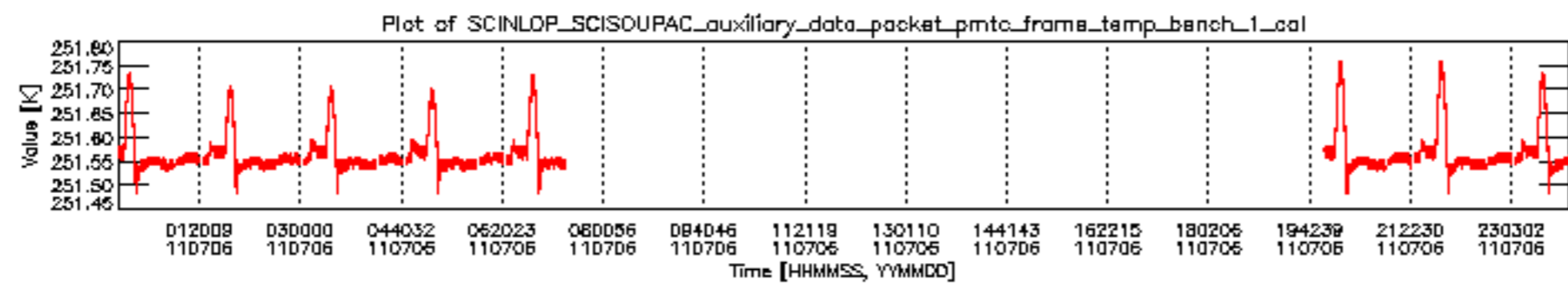
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20110705_102115_20110704_191541_20110714_212927
2	AUX_FPO_AXVPDS20110706_103235_20110705_183856_20110715_205243



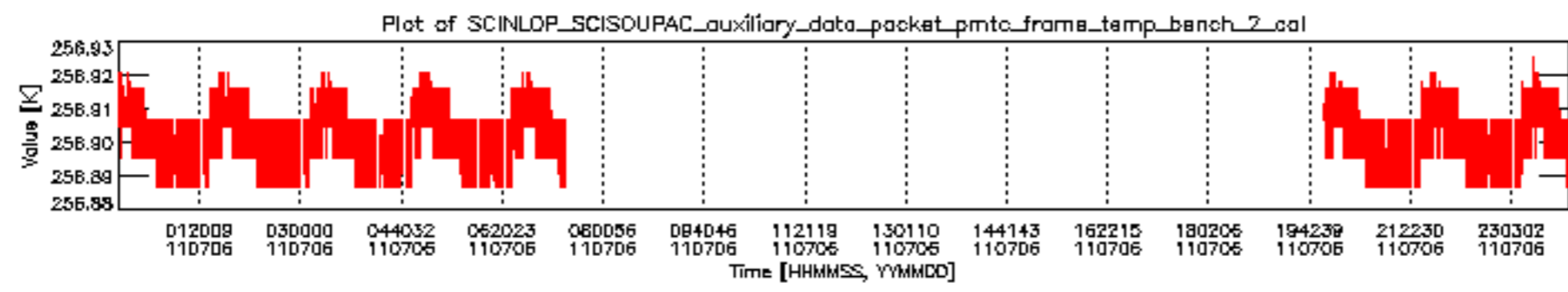
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110706\_7.PNG

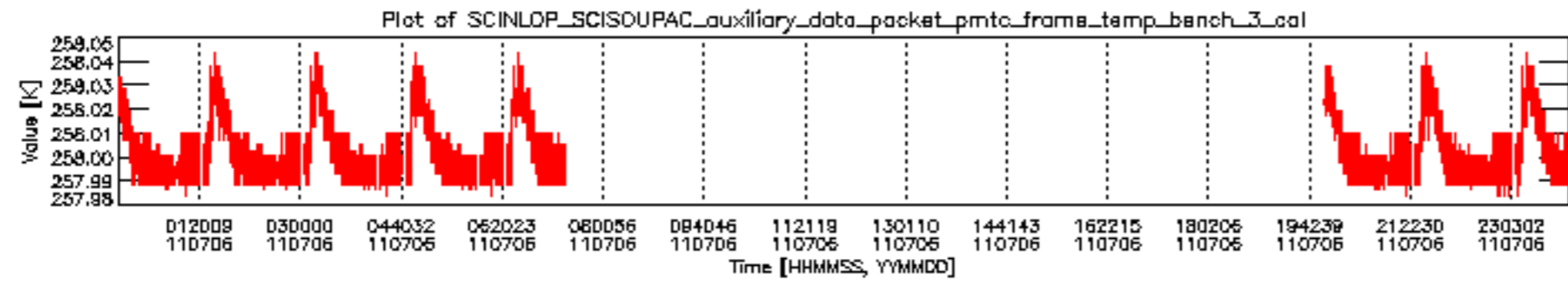


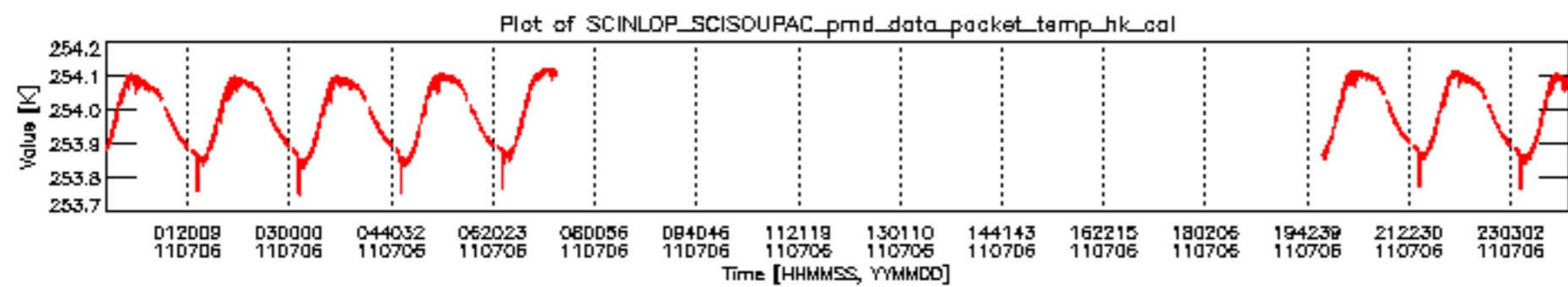
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110706\_8.PNG

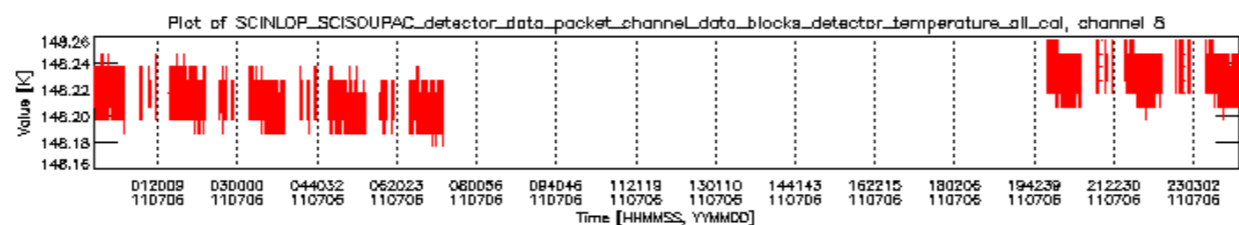
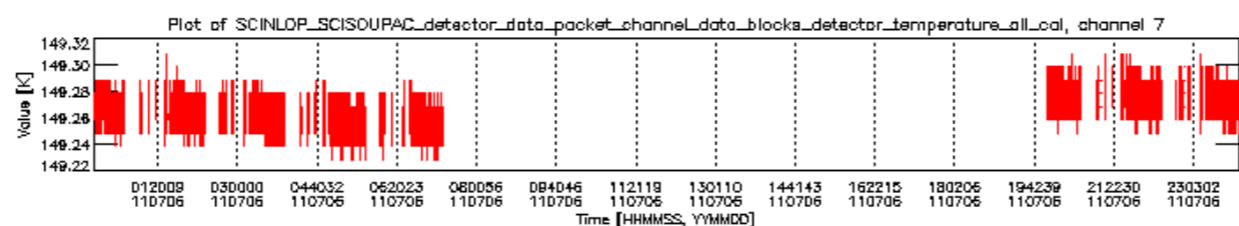
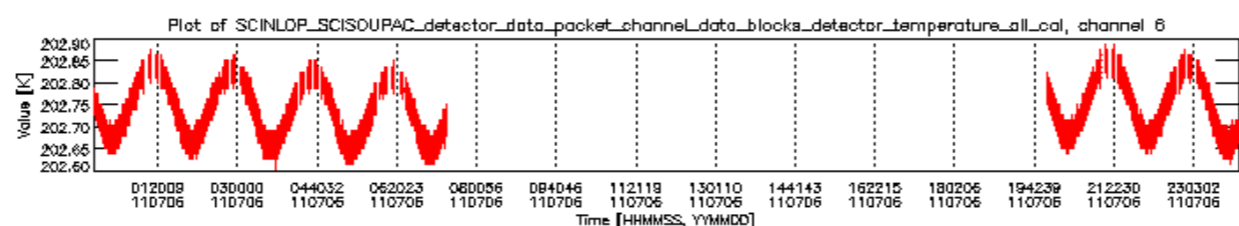
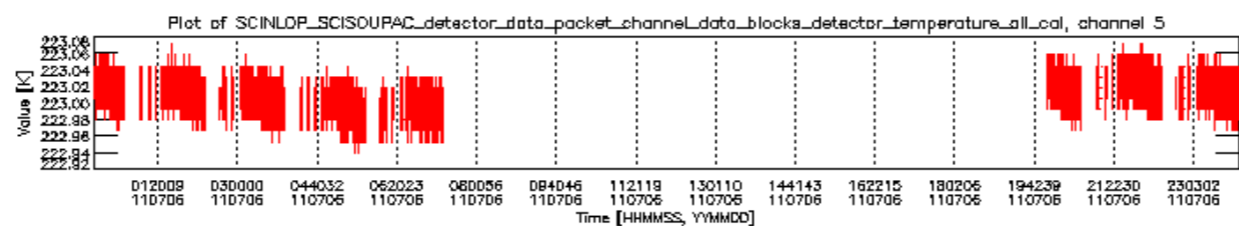
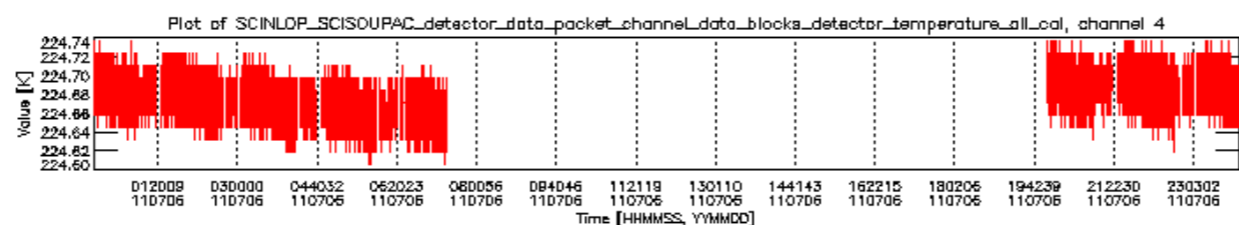
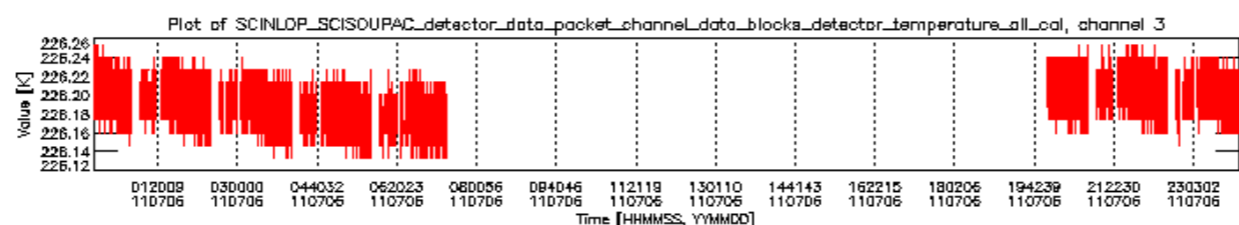
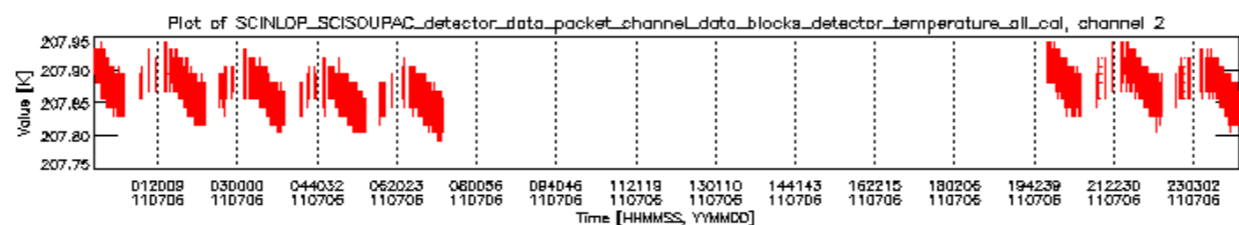
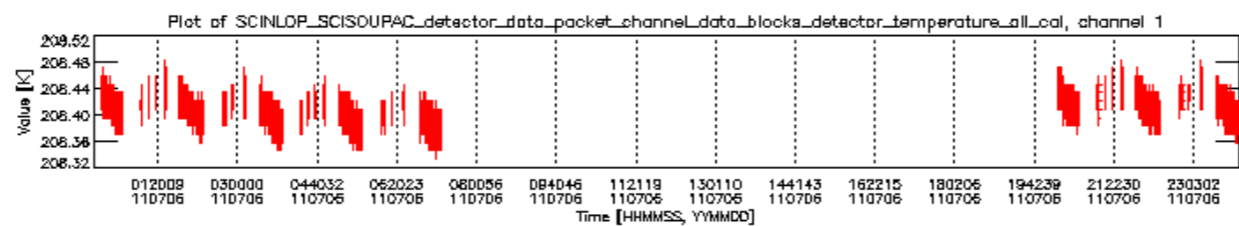


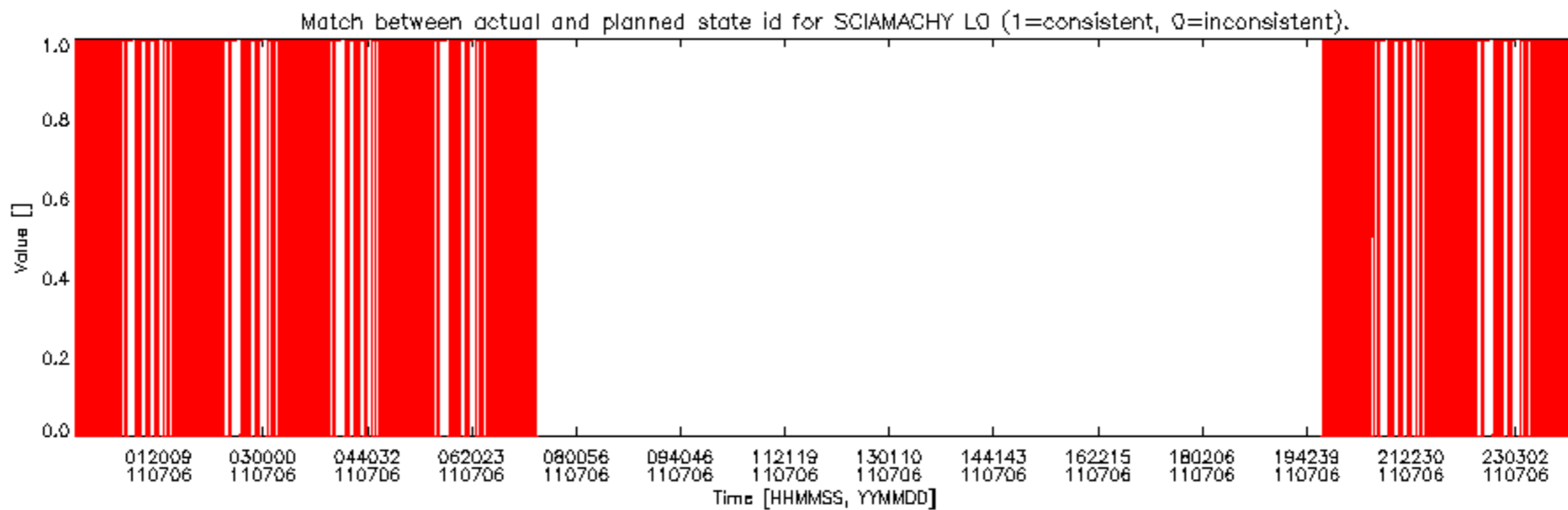
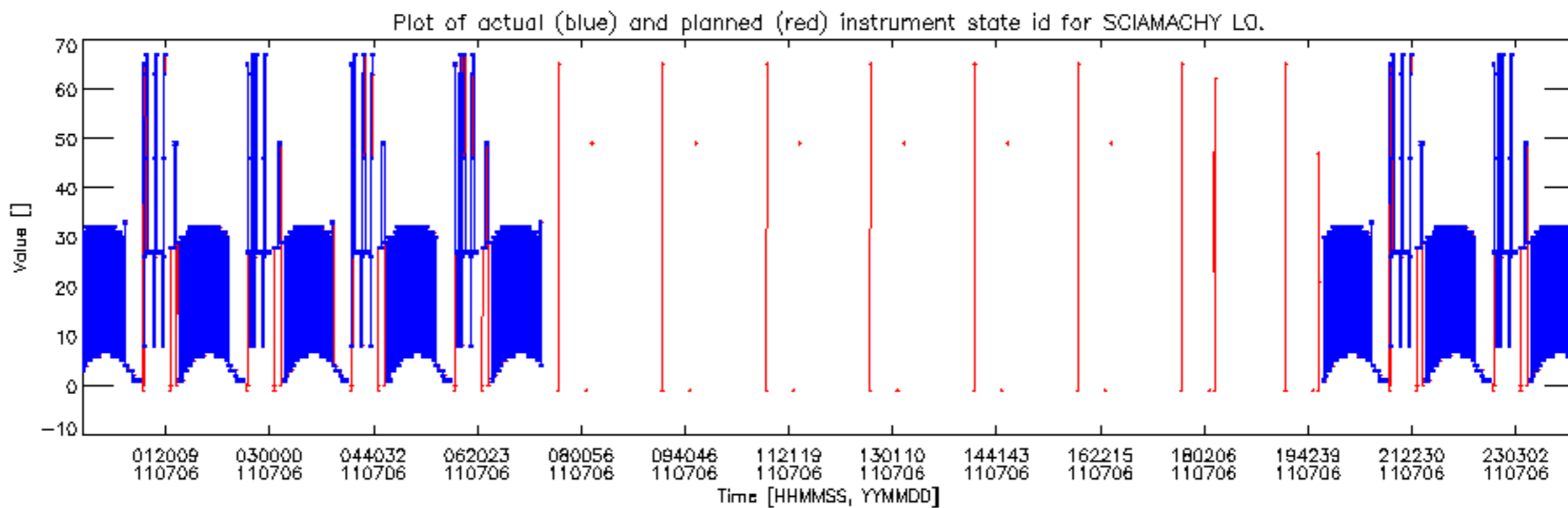












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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