

## 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	31MAR2011 03:00:05
Data source version	KSPT_L0/4504-N
Processing scope for products	24MAR2011 00:00:00 to 25MAR2011 00:00:00
Start time of first product within scope	24MAR2011 10:18:27
Stop time of last product within scope	25MAR2011 00:42:38
Total number of Level 0 products	10
Number of Level 0 products with errors	0

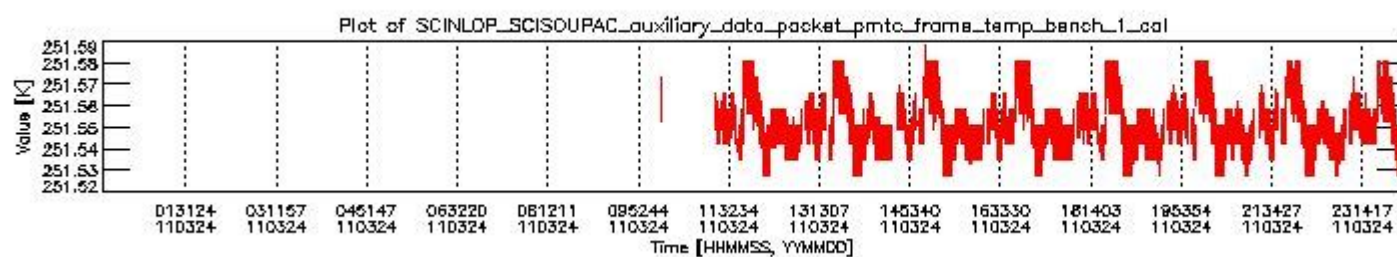
### 0.1.2 Summary per product

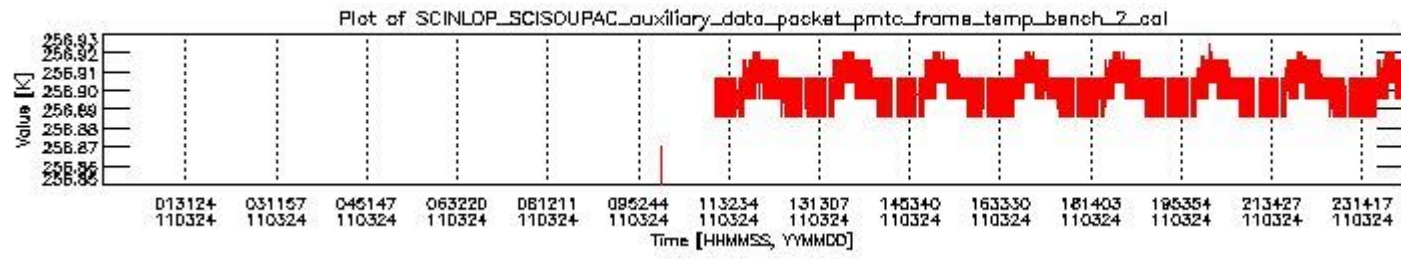
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20110324_101827_000000003100_00396_47393_4159.N1	24MAR2011 10:18:27	24MAR2011 10:18:27	0	0	0	0	0
1	SCI_NL__0PNPDK20110324_111803_000025243100_00396_47393_4160.N1	24MAR2011 11:18:03	24MAR2011 12:00:07	0	0	0	0	0
2	SCI_NL__0PNPDK20110324_115912_000058763100_00397_47394_4161.N1	24MAR2011 11:59:12	24MAR2011 13:37:09	0	0	0	0	0
3	SCI_NL__0PNPDK20110324_133615_000057683100_00398_47395_4162.N1	24MAR2011 13:36:15	24MAR2011 15:12:23	0	0	0	0	0
4	SCI_NL__0PNPDK20110324_151128_000062453100_00399_47396_4163.N1	24MAR2011 15:11:28	24MAR2011 16:55:33	0	0	0	0	0
5	SCI_NL__0PNPDK20110324_165439_000057993100_00400_47397_4164.N1	24MAR2011 16:54:39	24MAR2011 18:31:18	0	0	0	0	0
6	SCI_NL__0PNPDK20110324_183024_000059733100_00401_47398_4165.N1	24MAR2011 18:30:24	24MAR2011 20:09:57	0	0	0	0	0
7	SCI_NL__0PNPDE20110324_200803_000044483100_00402_47399_2790.N1	24MAR2011 20:08:03	24MAR2011 21:22:11	0	0	0	0	0
8	SCI_NL__0PNPDE20110324_212138_000061463100_00402_47399_2791.N1	24MAR2011 21:21:38	24MAR2011 23:04:03	0	0	0	0	0
9	SCI_NL__0PNPDE20110324_230316_000059623100_00403_47400_2792.N1	24MAR2011 23:03:16	25MAR2011 00:42:38	0	0	0	0	0

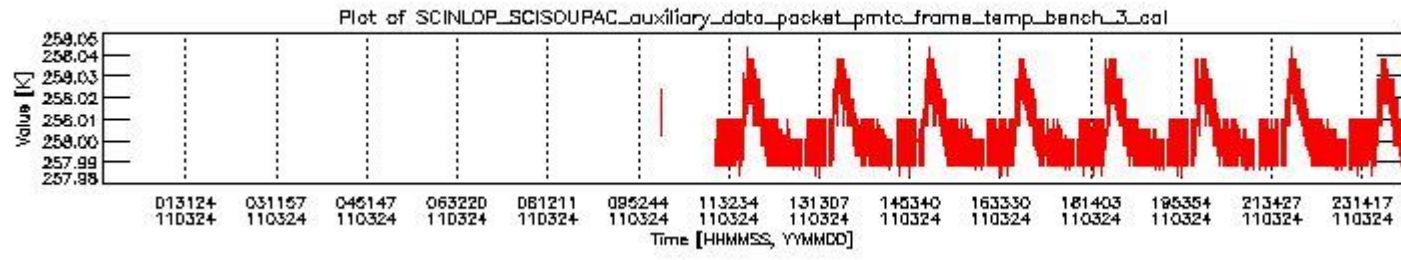
## 0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

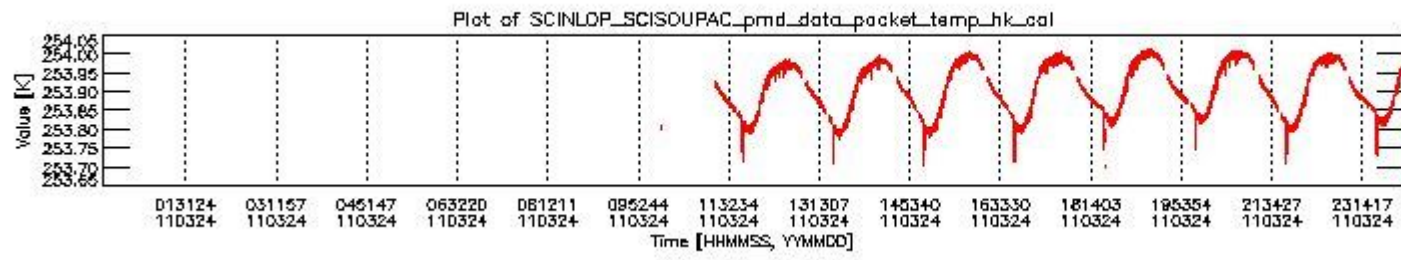




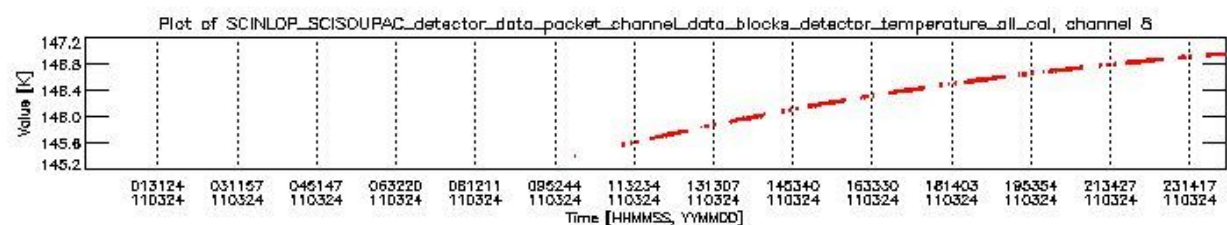
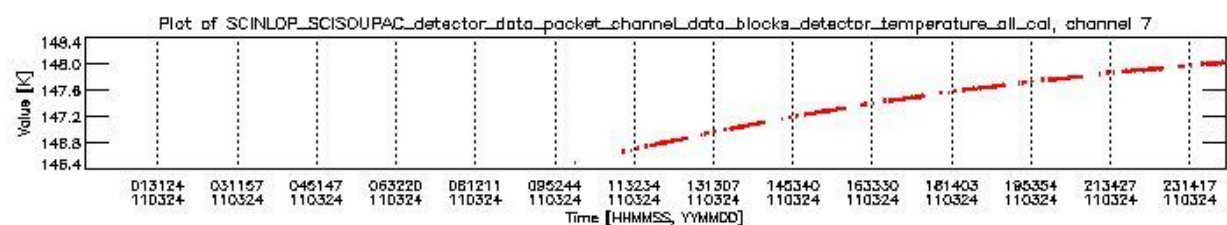
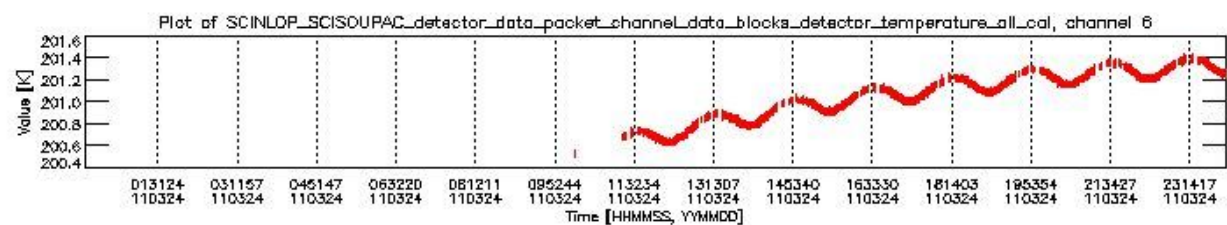
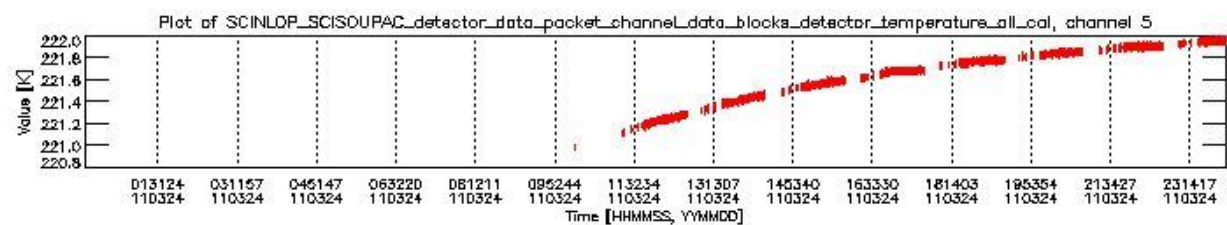
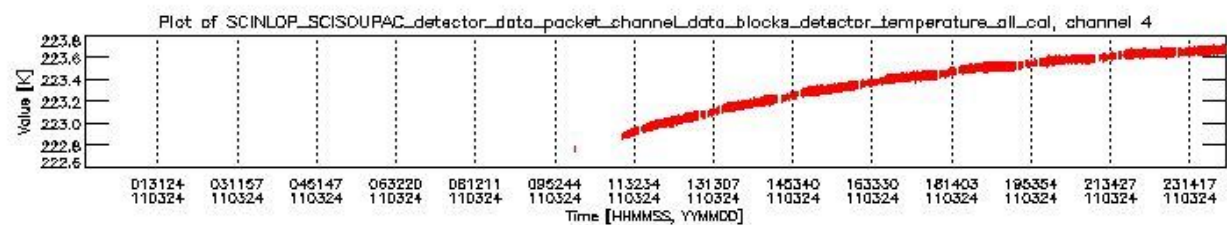
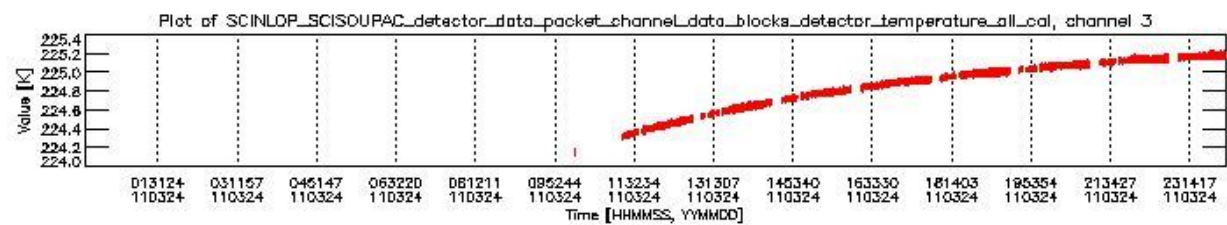
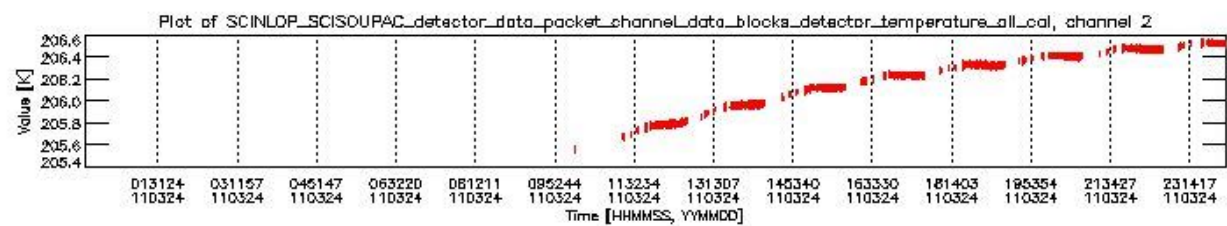
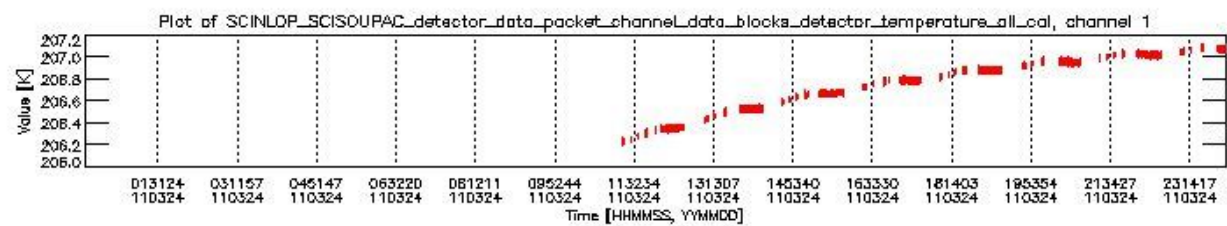
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110324\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110324\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110324\_3.PNG

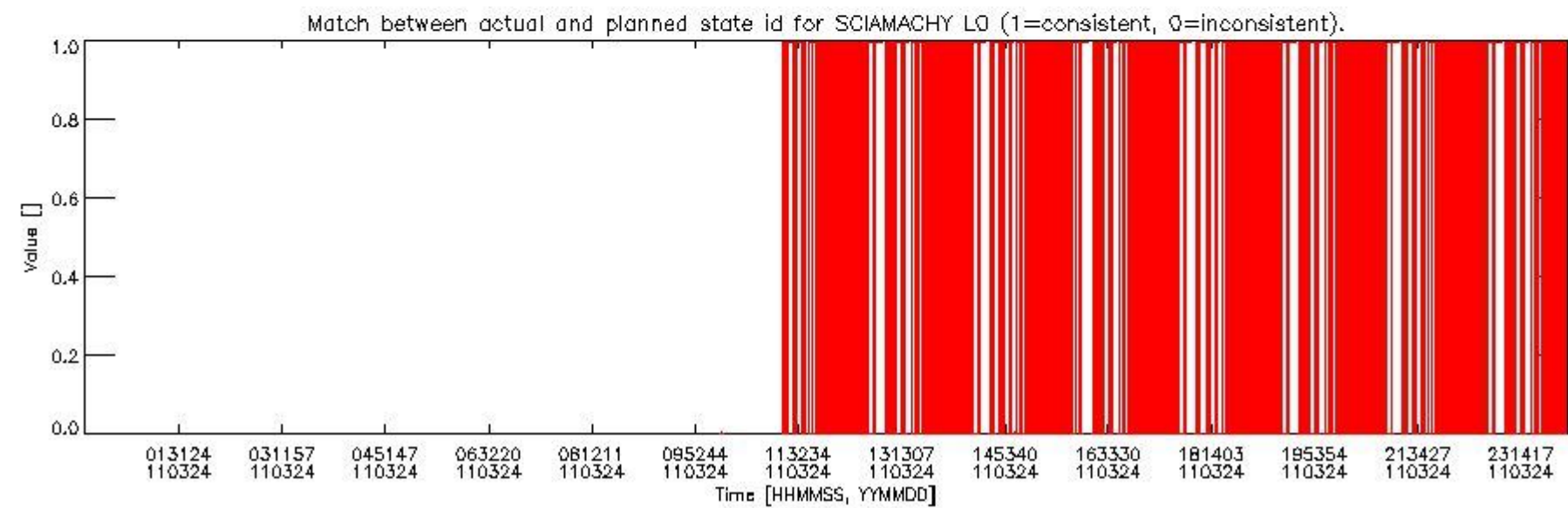
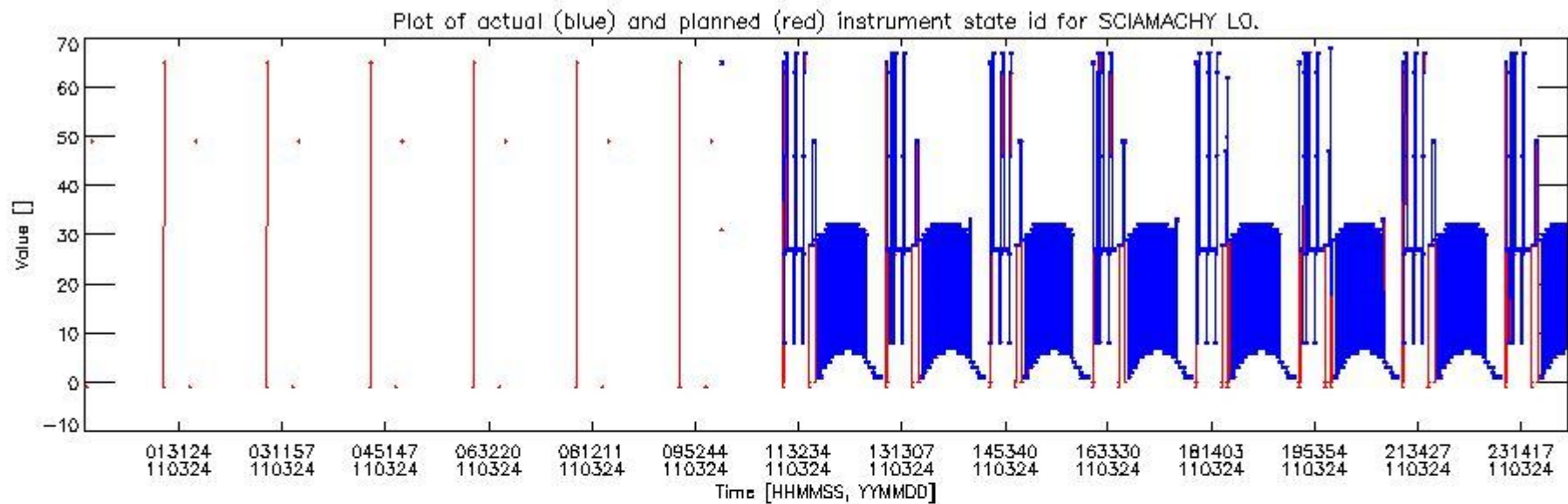


### 0.3 State monitoring

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: **26820**

#	Actual time	Actual value	Planned time	Planned value
0	24MAR2011 10:18:27.443942	65	24MAR2011 10:18:27.443942	31
1	24MAR2011 10:18:28.568942	65	24MAR2011 10:18:28.568942	31
2	24MAR2011 10:18:29.068942	65	24MAR2011 10:18:29.068942	31
3	24MAR2011 10:18:29.568942	65	24MAR2011 10:18:29.568942	31
4	24MAR2011 10:18:30.068942	65	24MAR2011 10:18:30.068942	31
5	24MAR2011 10:18:30.568942	65	24MAR2011 10:18:30.568942	31
6	24MAR2011 10:18:31.068942	65	24MAR2011 10:18:31.068942	31
7	24MAR2011 10:18:31.568942	65	24MAR2011 10:18:31.568942	31
8	24MAR2011 10:18:32.068942	65	24MAR2011 10:18:32.068942	31
9	24MAR2011 10:18:32.443942	65	24MAR2011 10:18:32.443942	31
10	24MAR2011 10:18:32.568942	65	24MAR2011 10:18:32.568942	31
11	24MAR2011 10:18:33.068942	65	24MAR2011 10:18:33.068942	31
12	24MAR2011 10:18:33.568942	65	24MAR2011 10:18:33.568942	31
13	24MAR2011 10:18:34.068942	65	24MAR2011 10:18:34.068942	31
14	24MAR2011 10:18:34.568942	65	24MAR2011 10:18:34.568942	31
15	24MAR2011 10:18:35.068942	65	24MAR2011 10:18:35.068942	31
16	24MAR2011 10:18:35.568942	65	24MAR2011 10:18:35.568942	31
17	24MAR2011 10:18:36.068942	65	24MAR2011 10:18:36.068942	31
18	24MAR2011 10:18:36.568942	65	24MAR2011 10:18:36.568942	31
19	24MAR2011 10:18:37.068942	65	24MAR2011 10:18:37.068942	31
	...	...	...	...

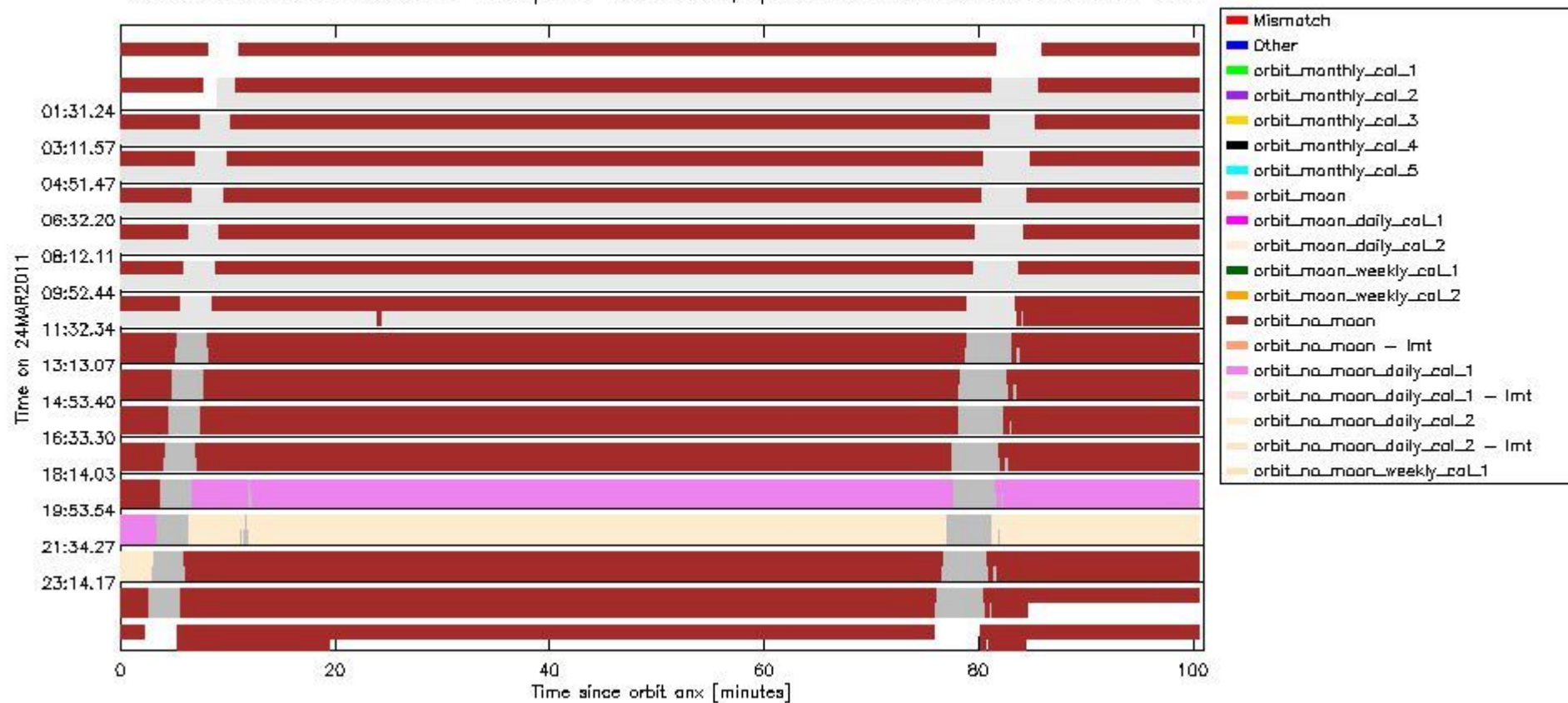


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110324\_5.PNG

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 24MAR2011.  
 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\_20110324\_6.PNG

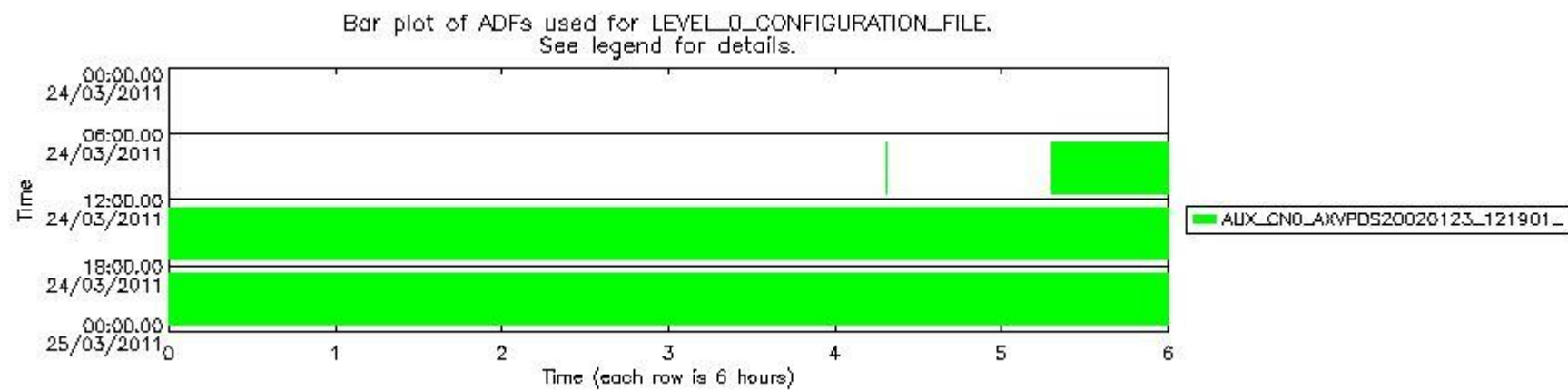
## 0.4 ADF monitoring

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

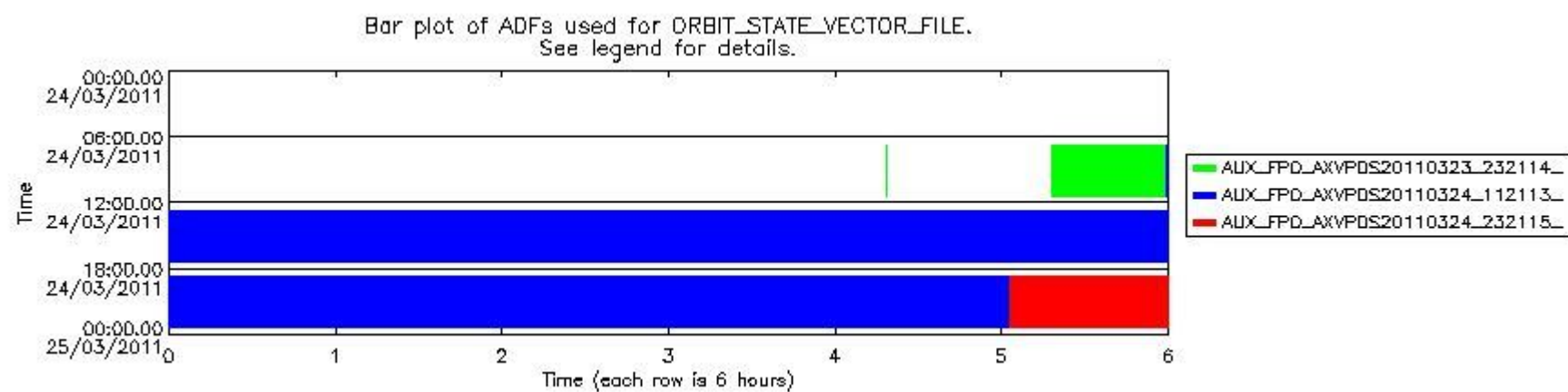
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

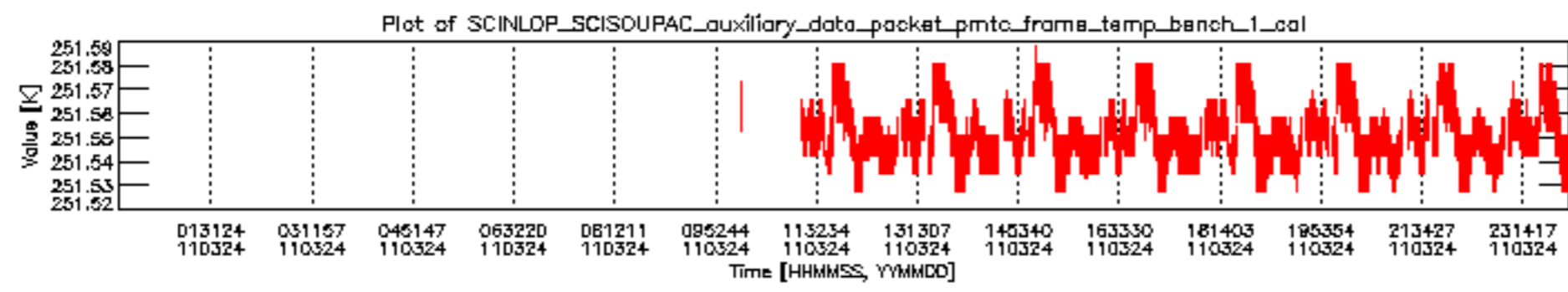
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20110323_232114_20110322_192721_20110401_200057</b>
2	<b>AUX_FPO_AXVPDS20110324_112113_20110323_185037_20110402_210427</b>
3	<b>AUX_FPO_AXVPDS20110324_232115_20110324_195407_20110403_202743</b>



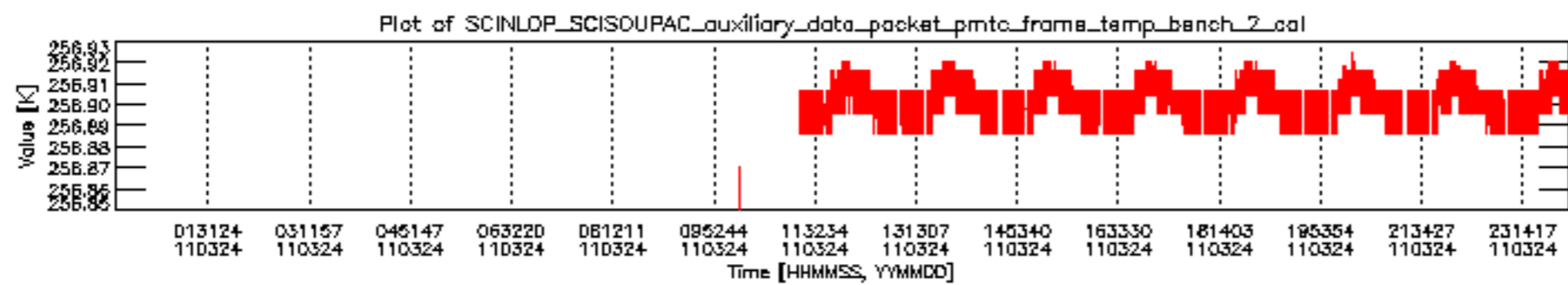
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110324\_7.PNG

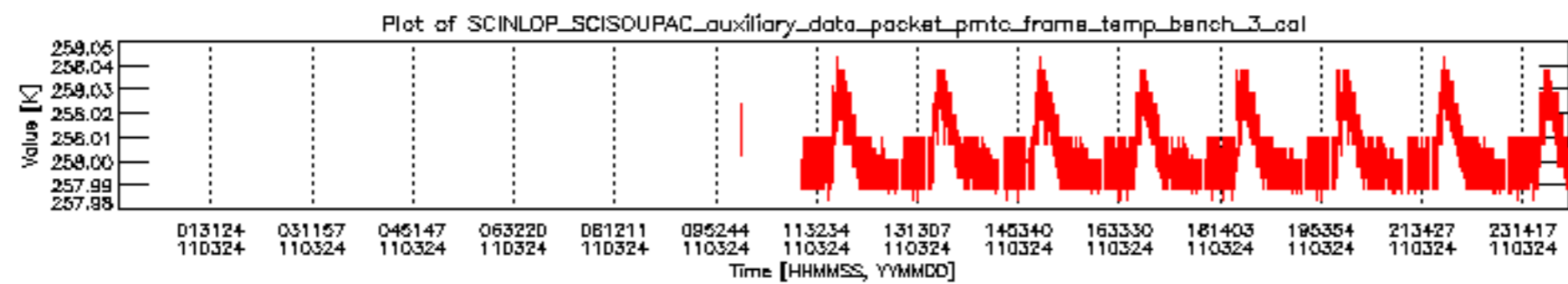


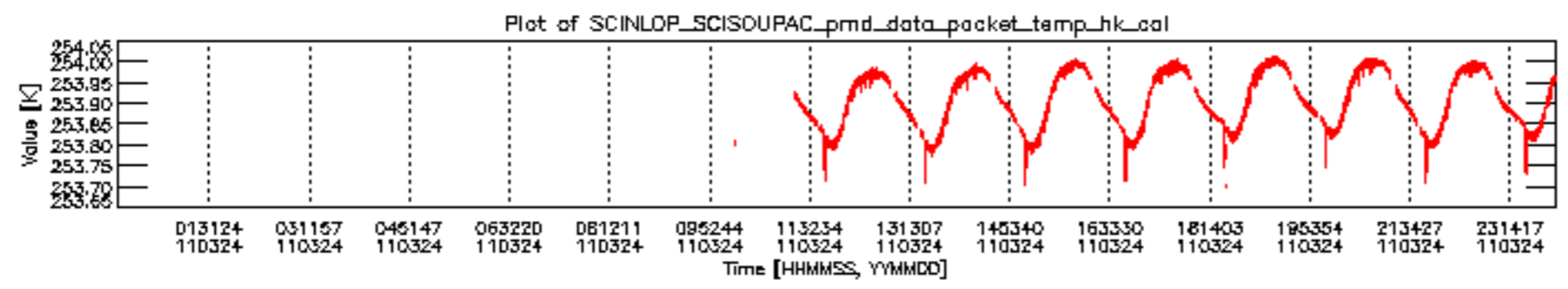
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110324\_8.PNG

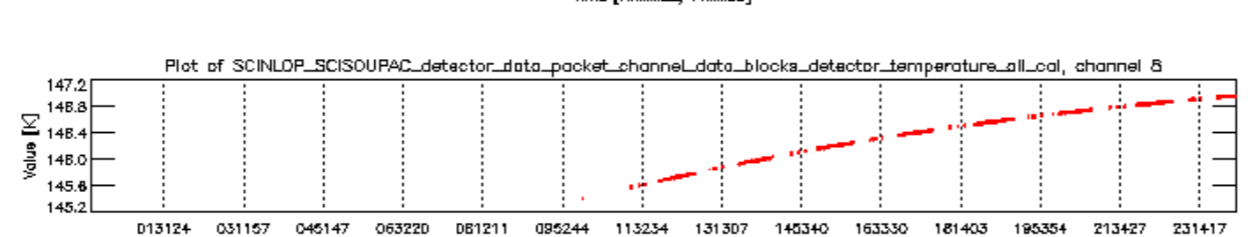
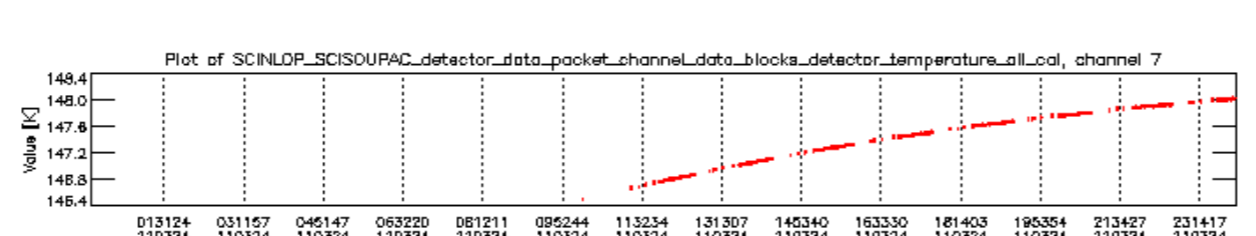
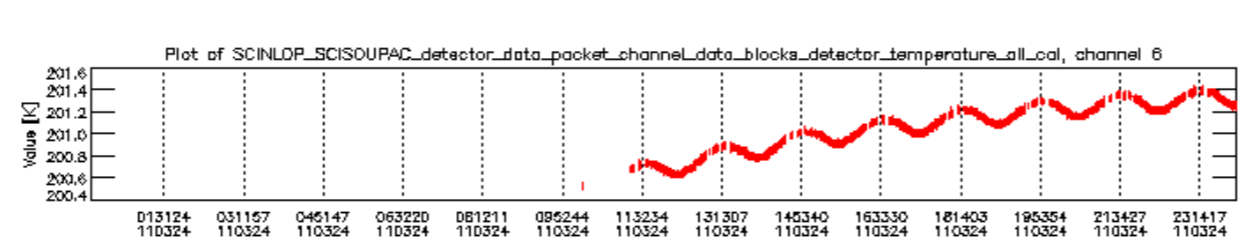
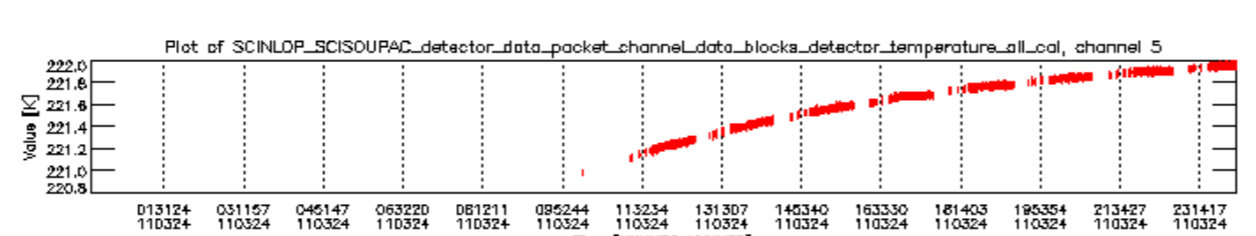
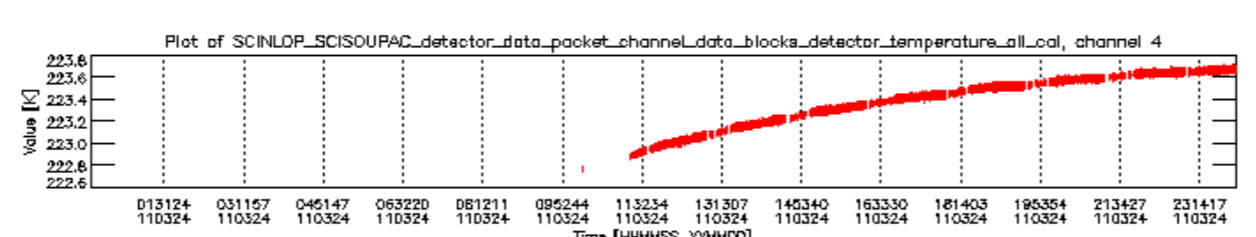
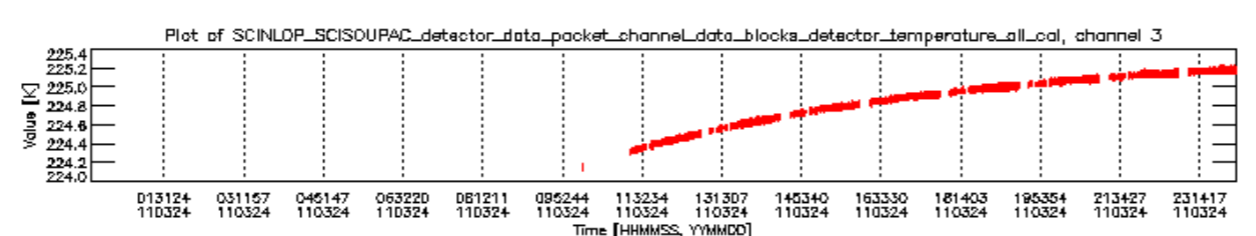
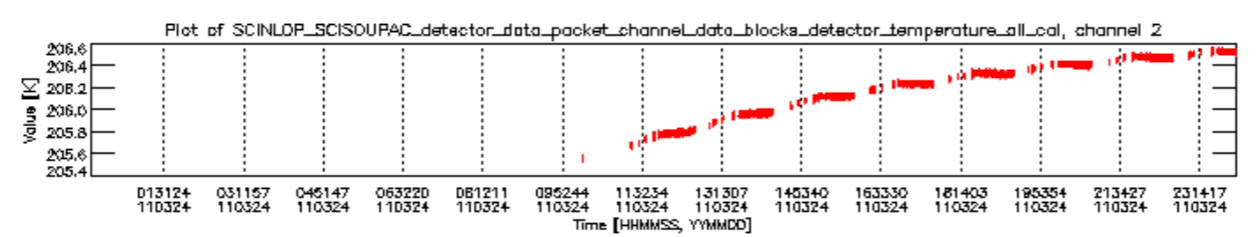
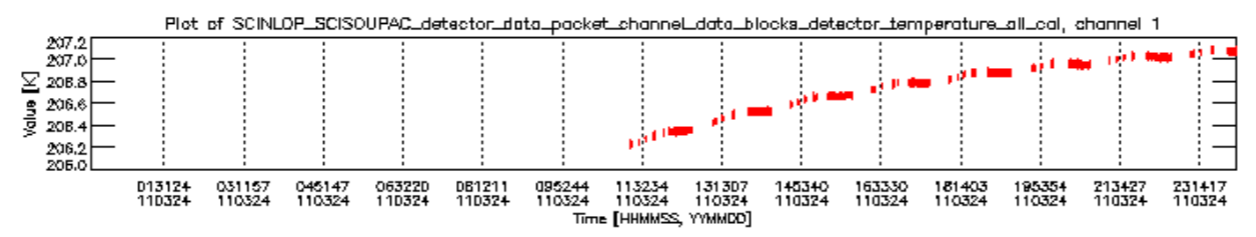


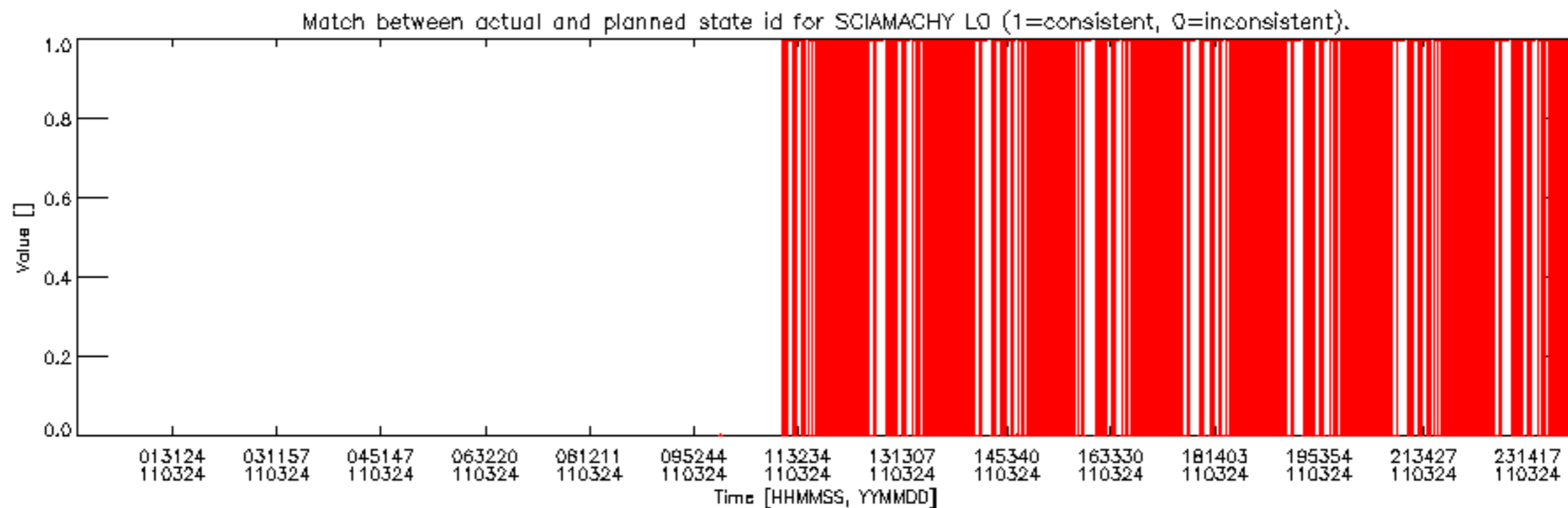
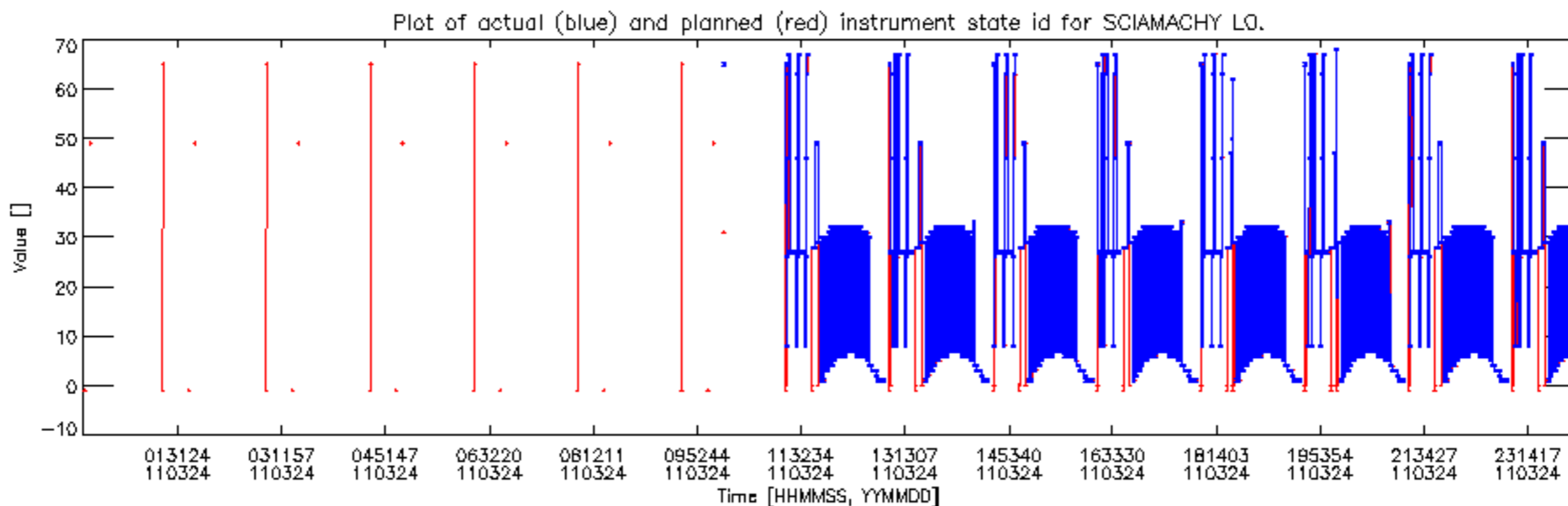












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 24MAR2011.  
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