

## 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	18AUG2006 12:25:57
Data source version	PFHS/5.37-N
Processing scope for products	13AUG2006 00:00:00 to 14AUG2006 00:00:00
Start time of first product within scope	12AUG2006 23:50:54
Stop time of last product within scope	14AUG2006 01:01:19
Total number of level 0 products	15
Number of level 0 products with errors	15

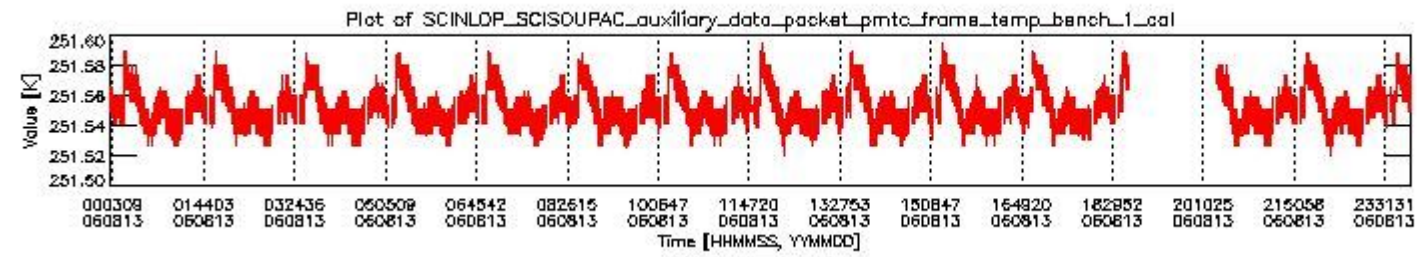
### 0.1.2 Summary per product

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

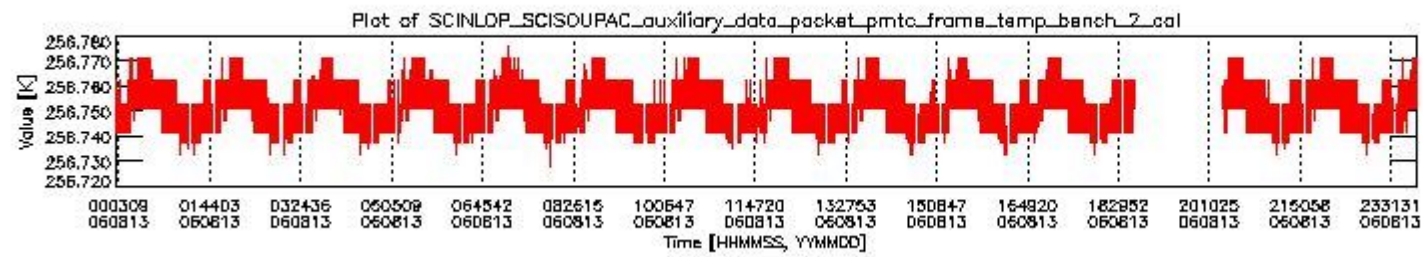
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060812_235054_000060352050_00173_23273_0333.N1	12AUG2006 23:50:54	13AUG2006 01:31:30	1	0	1	0	0
1	SCI_NL__OPNPDE20060813_013046_000043602050_00174_23274_0334.N1	13AUG2006 01:30:46	13AUG2006 02:43:27	1	0	1	0	0
2	SCI_NL__OPNPDE20060813_024231_000061042050_00175_23275_0335.N1	13AUG2006 02:42:31	13AUG2006 04:24:16	1	0	1	0	0
3	SCI_NL__OPNPDE20060813_042416_000060922050_00176_23276_0336.N1	13AUG2006 04:24:16	13AUG2006 06:05:48	1	0	1	0	0
4	SCI_NL__OPNPDK20060813_060440_000041822050_00177_23277_0413.N1	13AUG2006 06:04:40	13AUG2006 07:14:23	1	0	1	0	0
5	SCI_NL__OPNPDK20060813_071314_000062162050_00178_23278_0414.N1	13AUG2006 07:13:14	13AUG2006 08:56:51	1	0	1	0	0
6	SCI_NL__OPNPDK20060813_085555_000059112050_00179_23279_0415.N1	13AUG2006 08:55:55	13AUG2006 10:34:26	1	0	1	0	0
7	SCI_NL__OPNPDK20060813_103426_000060362050_00180_23280_0416.N1	13AUG2006 10:34:26	13AUG2006 12:15:03	1	0	1	0	0
8	SCI_NL__OPNPDK20060813_121354_000059242050_00181_23281_0417.N1	13AUG2006 12:13:54	13AUG2006 13:52:39	1	0	1	0	0
9	SCI_NL__OPNPDK20060813_135239_000058992050_00182_23282_0418.N1	13AUG2006 13:52:39	13AUG2006 15:30:58	1	0	1	0	0
10	SCI_NL__OPNPDK20060813_153058_000057252050_00183_23283_0419.N1	13AUG2006 15:30:58	13AUG2006 17:06:23	1	0	1	0	0
11	SCI_NL__OPNPDK20060813_170419_000061172050_00184_23284_0420.N1	13AUG2006 17:04:19	13AUG2006 18:46:16	1	0	1	0	0
12	SCI_NL__OPNPDE20060813_202538_000044352050_00186_23286_0337.N1	13AUG2006 20:25:38	13AUG2006 21:39:33	1	0	1	0	0
13	SCI_NL__OPNPDE20060813_213846_000060802050_00186_23286_0338.N1	13AUG2006 21:38:46	13AUG2006 23:20:07	1	0	1	0	0
14	SCI_NL__OPNPDE20060813_231923_000061162050_00187_23287_0339.N1	13AUG2006 23:19:23	14AUG2006 01:01:19	1	0	1	0	0

## 0.2 Product Quality Indicators

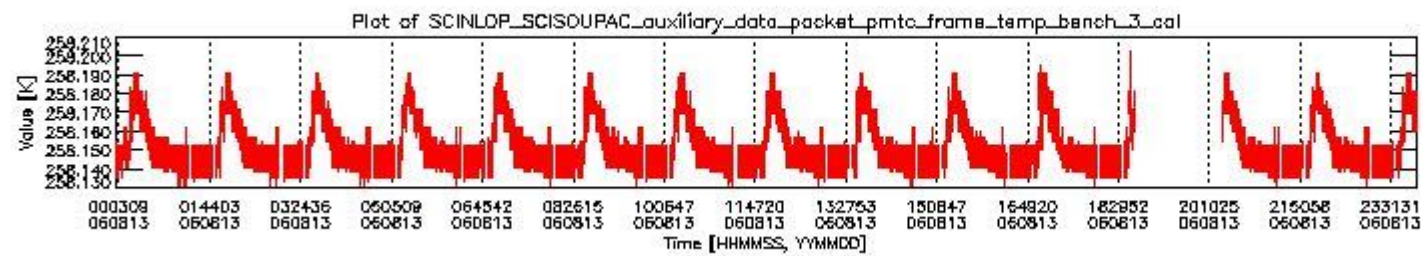
This section shows information about product quality, currently temperatures.



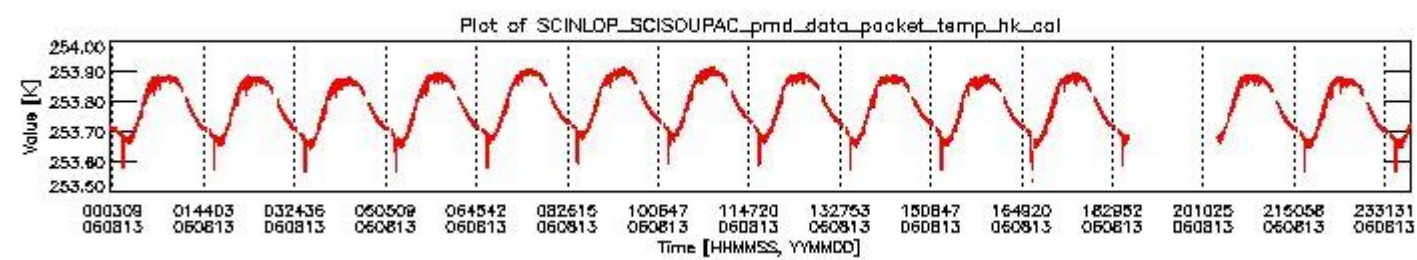
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060813\_0.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060813\_1.PNG

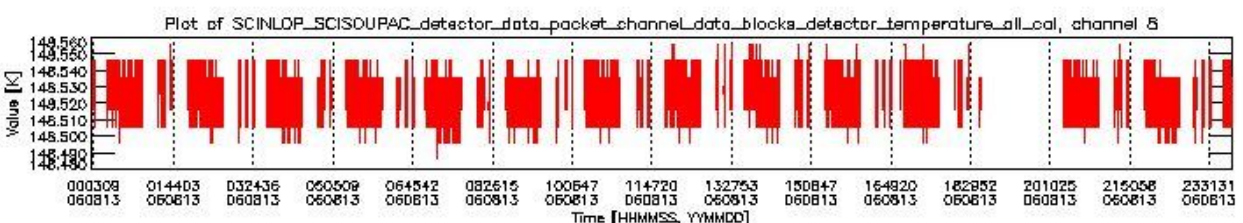
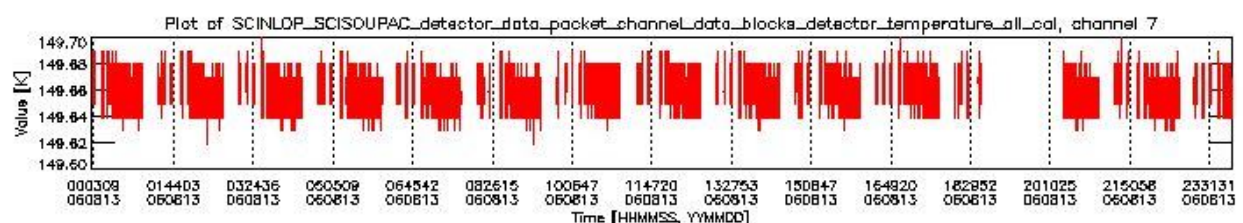
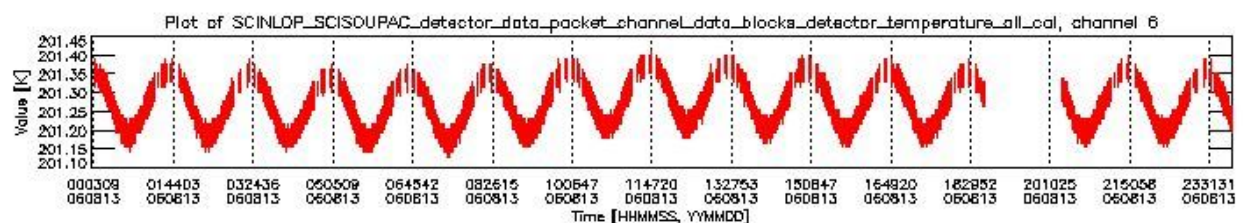
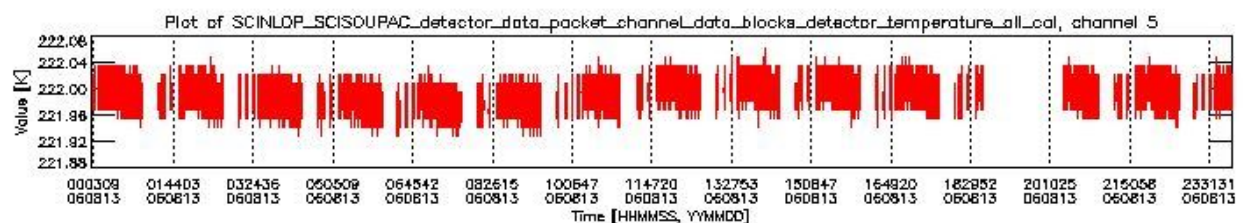
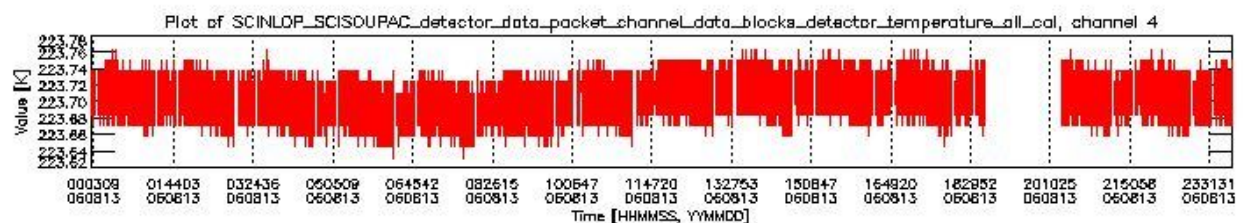
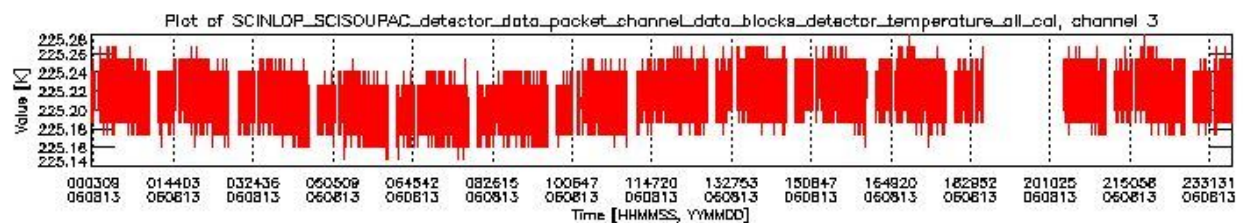
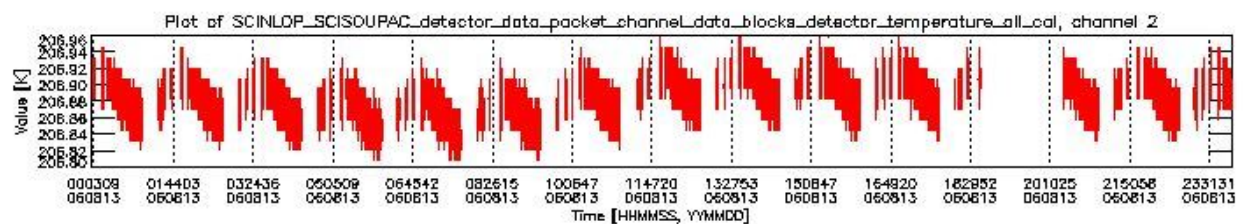
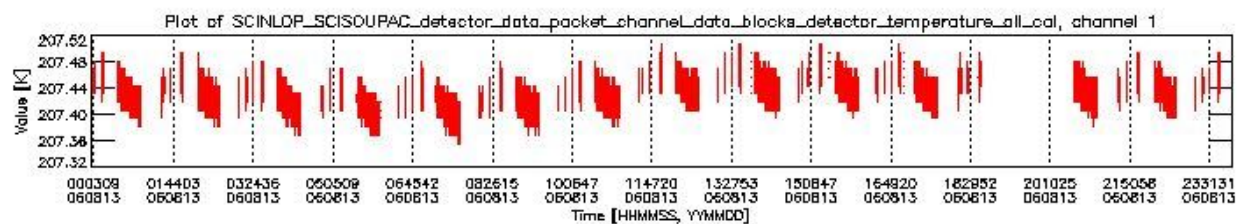


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sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060813\_3.PNG

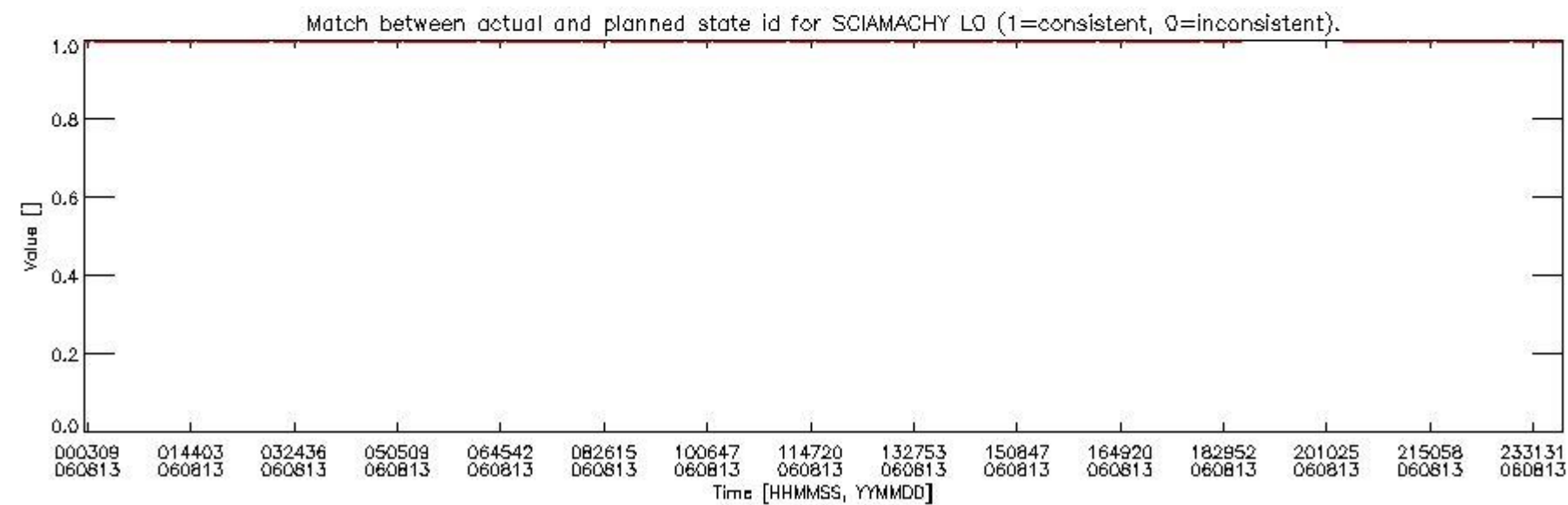
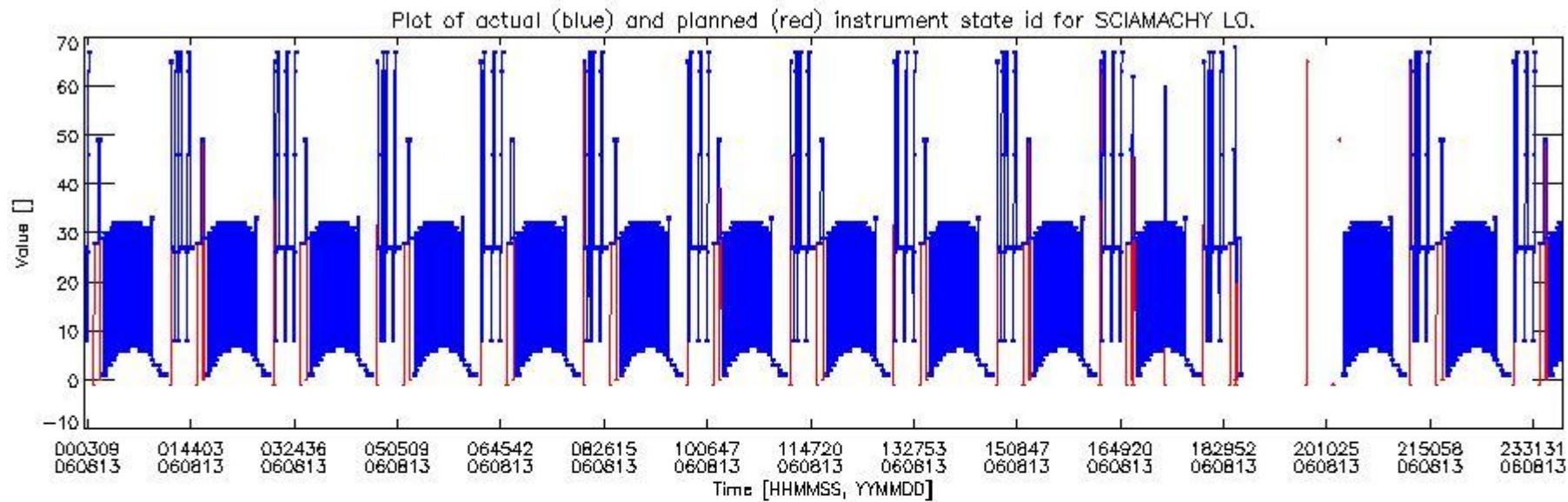




### 0.3 State monitoring

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: 0

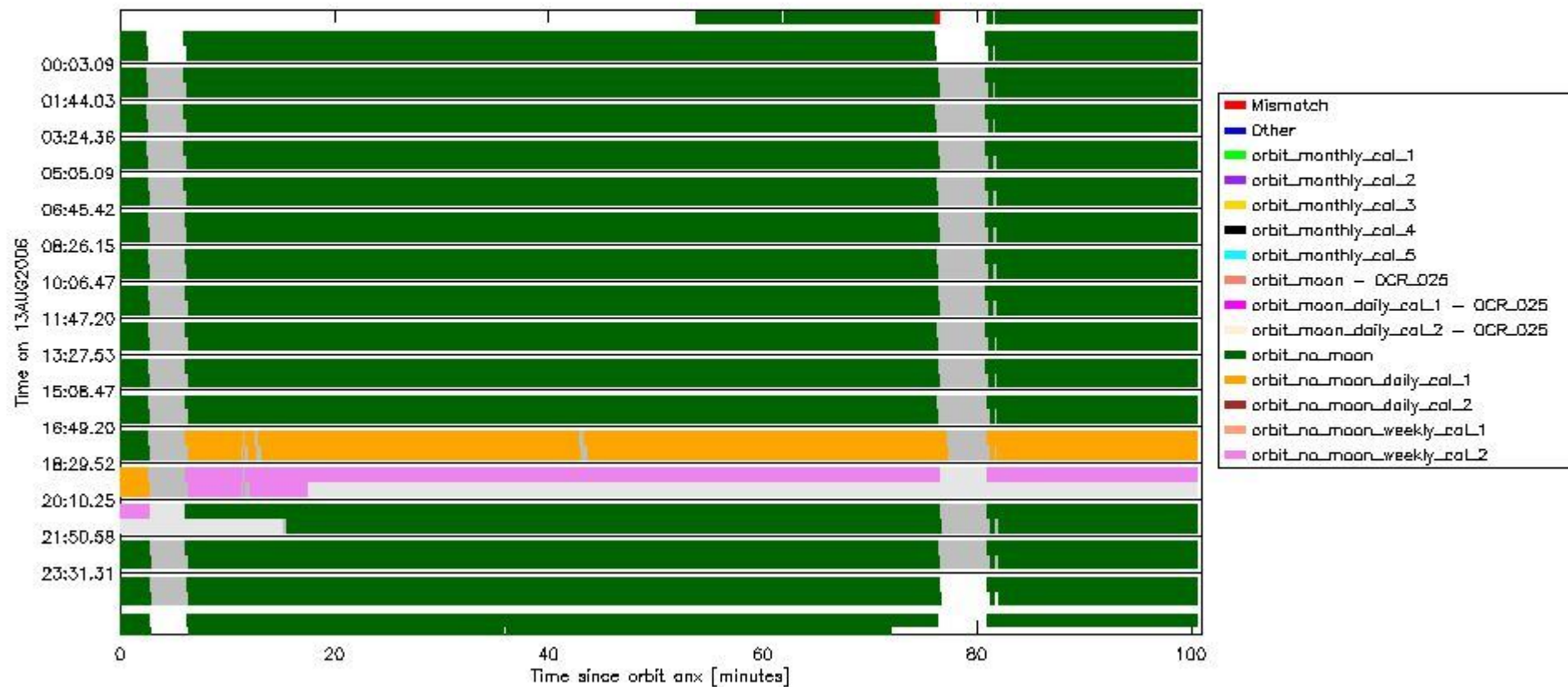


This section gives an analysis of the DMOP execution. The execution is monitored by assigning various activities to timeline sequences found in the DMOP file, and by checking where "NEW" datasets are available in SCI\_NL\_\_1P products.

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 13AUG2006.  
 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\_PPHS\_5\_37\_N\_20060813\_6.PNG

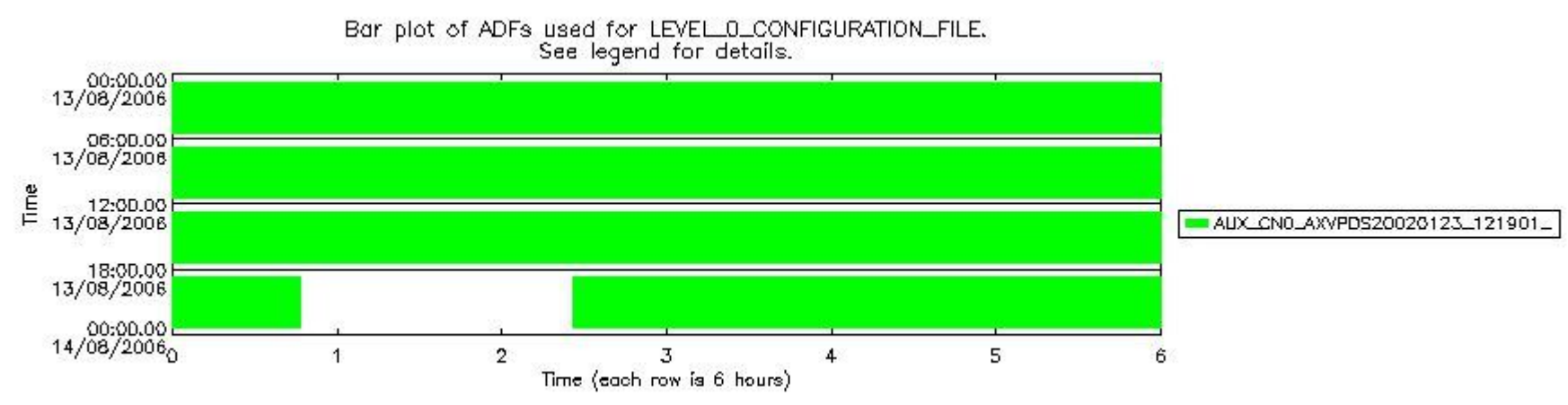
## 0.4 ADF monitoring

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

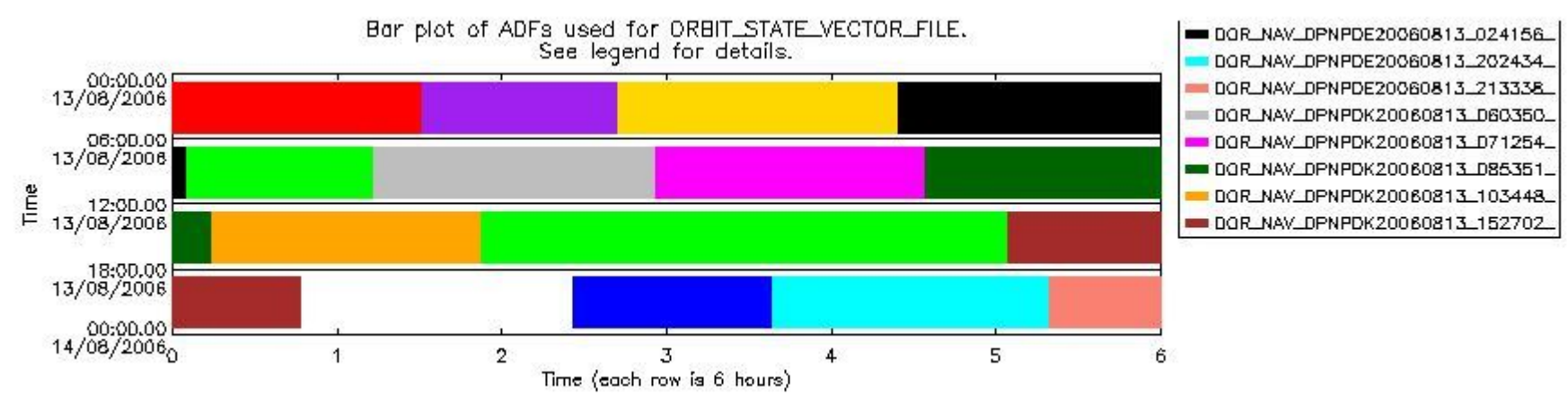
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

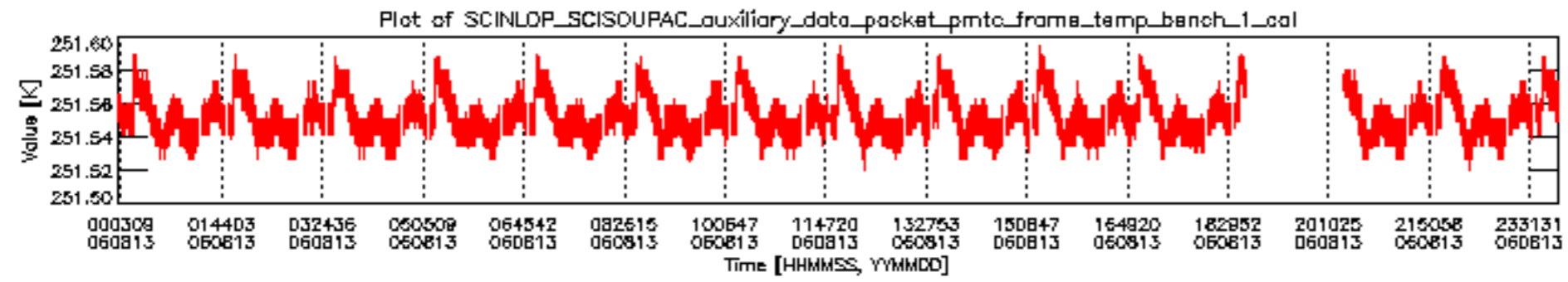
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20060811_224433_20060811_193305_20060821_205918
2	AUX_FPO_AXVPDS20060811_224459_20060811_193305_20060821_205918
3	DOR_NAV_OPNPDE20060812_220539_000057382050_00172_23272_0333.N1
4	DOR_NAV_OPNPDE20060812_234636_000057382050_00173_23273_0334.N1
5	DOR_NAV_OPNPDE20060813_012733_000041442050_00174_23274_0335.N1
6	DOR_NAV_OPNPDE20060813_024156_000057382050_00175_23275_0336.N1
7	DOR_NAV_OPNPDE20060813_202434_000041442050_00186_23286_0339.N1
8	DOR_NAV_OPNPDE20060813_213338_000060562050_00186_23286_0340.N1
9	DOR_NAV_OPNPDK20060813_060350_000038252050_00177_23277_0419.N1
10	DOR_NAV_OPNPDK20060813_071254_000057382050_00178_23278_0420.N1
11	DOR_NAV_OPNPDK20060813_085351_000057382050_00179_23279_0421.N1
12	DOR_NAV_OPNPDK20060813_103448_000054192050_00180_23280_0422.N1
13	DOR_NAV_OPNPDK20060813_152702_000054192050_00183_23283_0425.N1

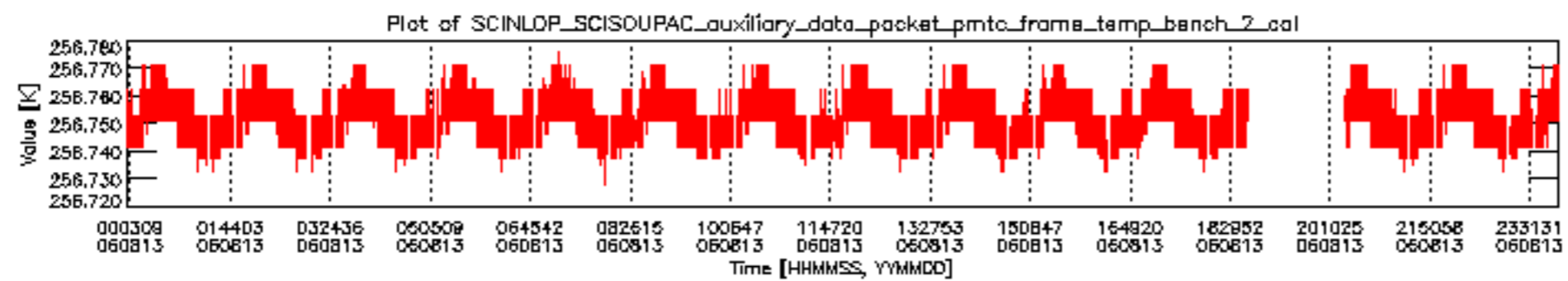


sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060813\_7.PNG

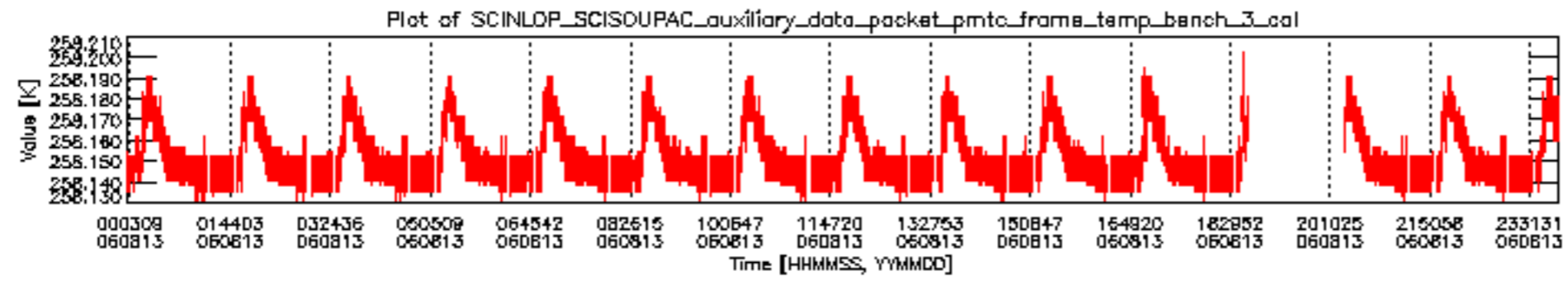


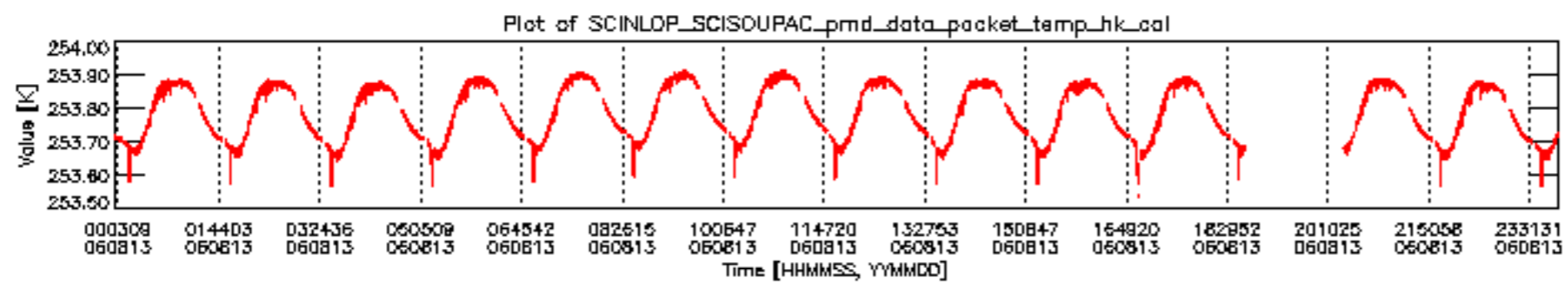
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060813\_8.PNG

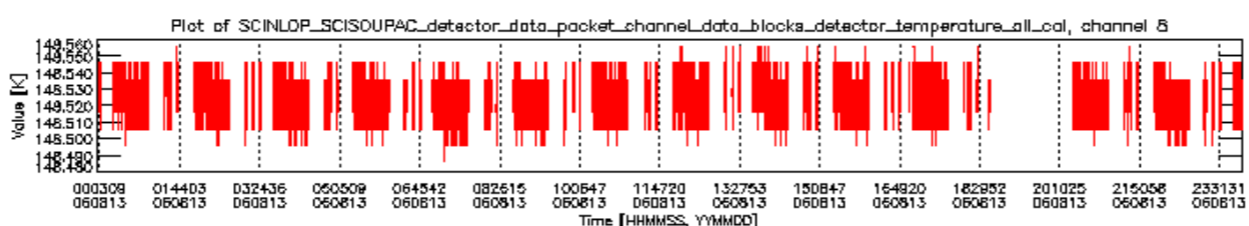
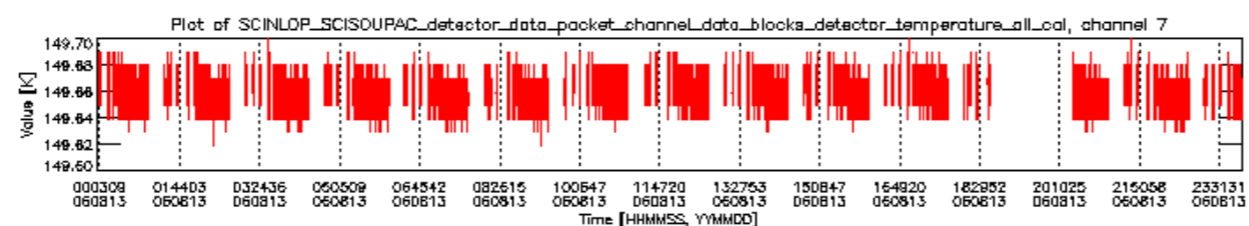
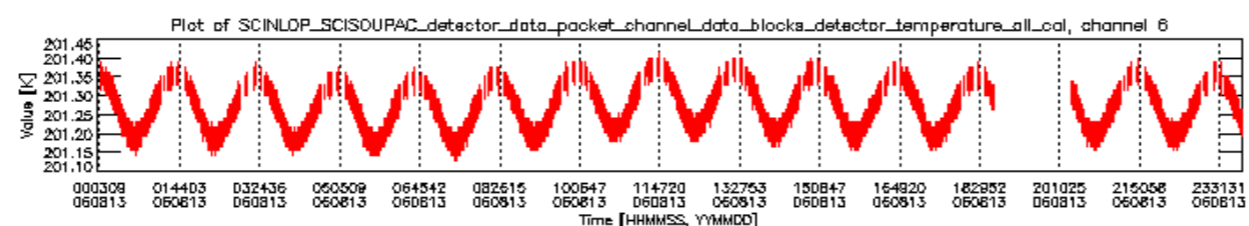
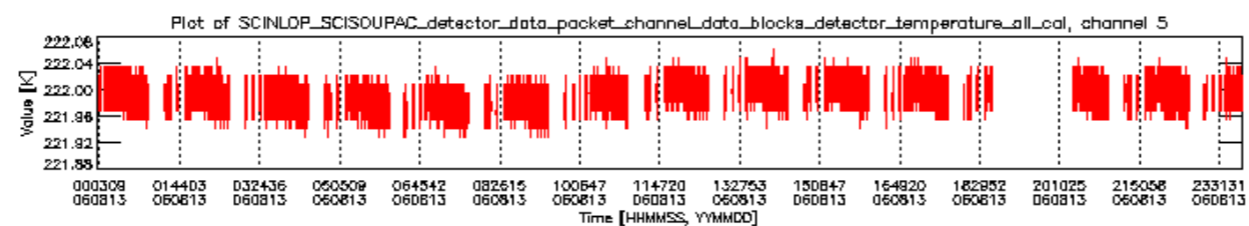
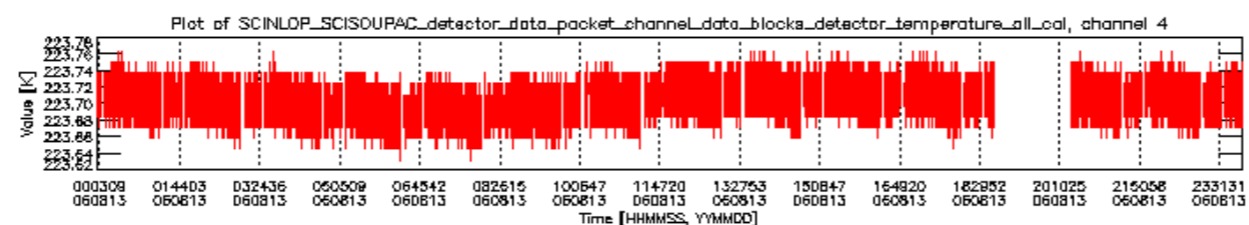
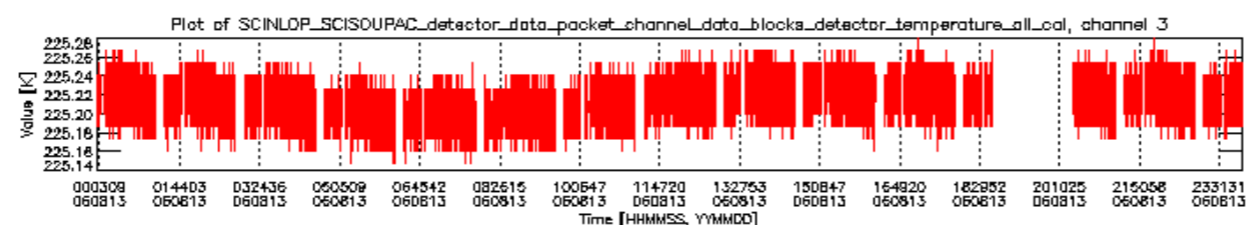
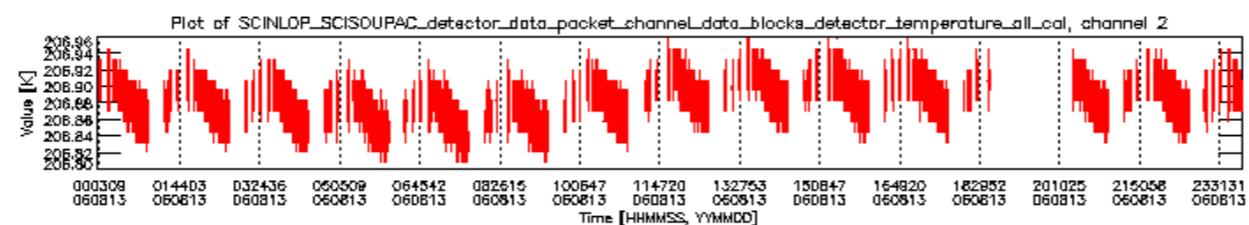
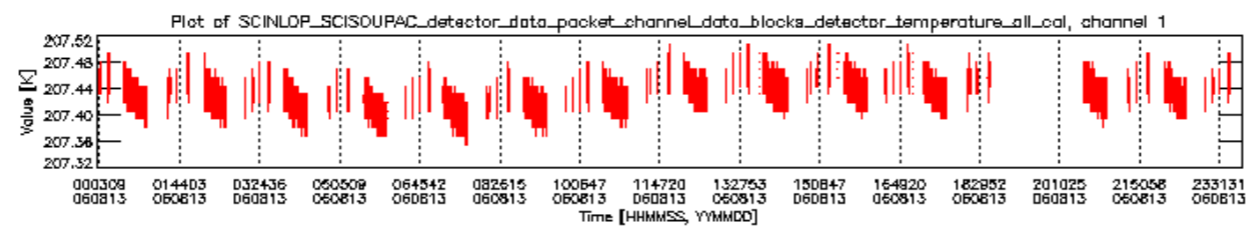


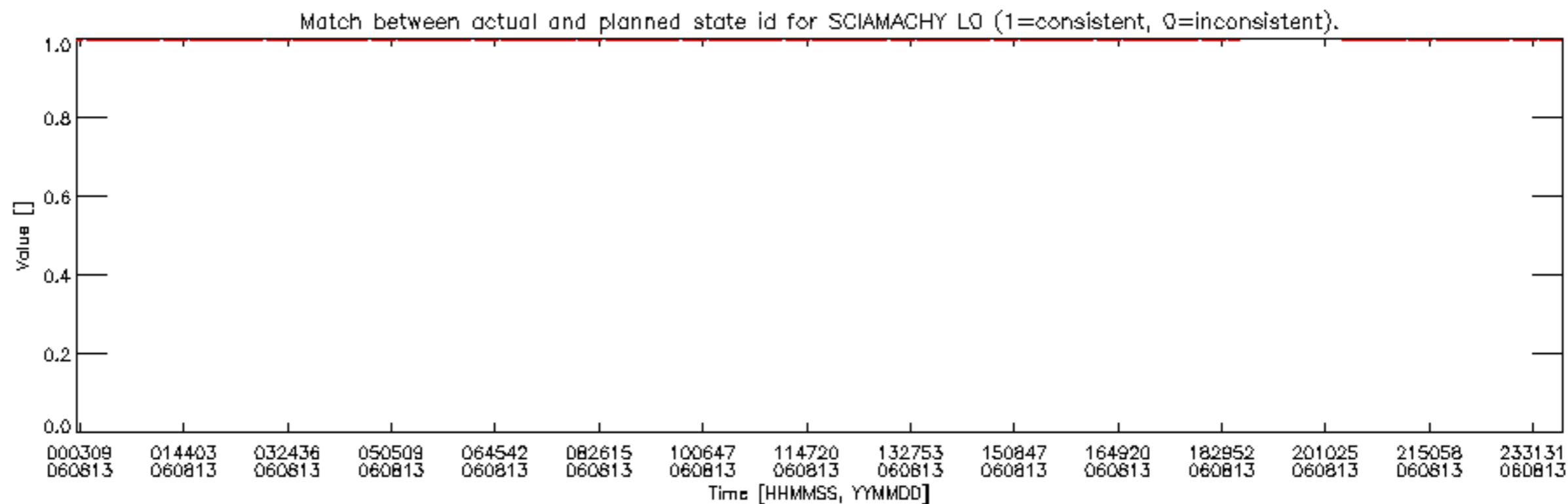
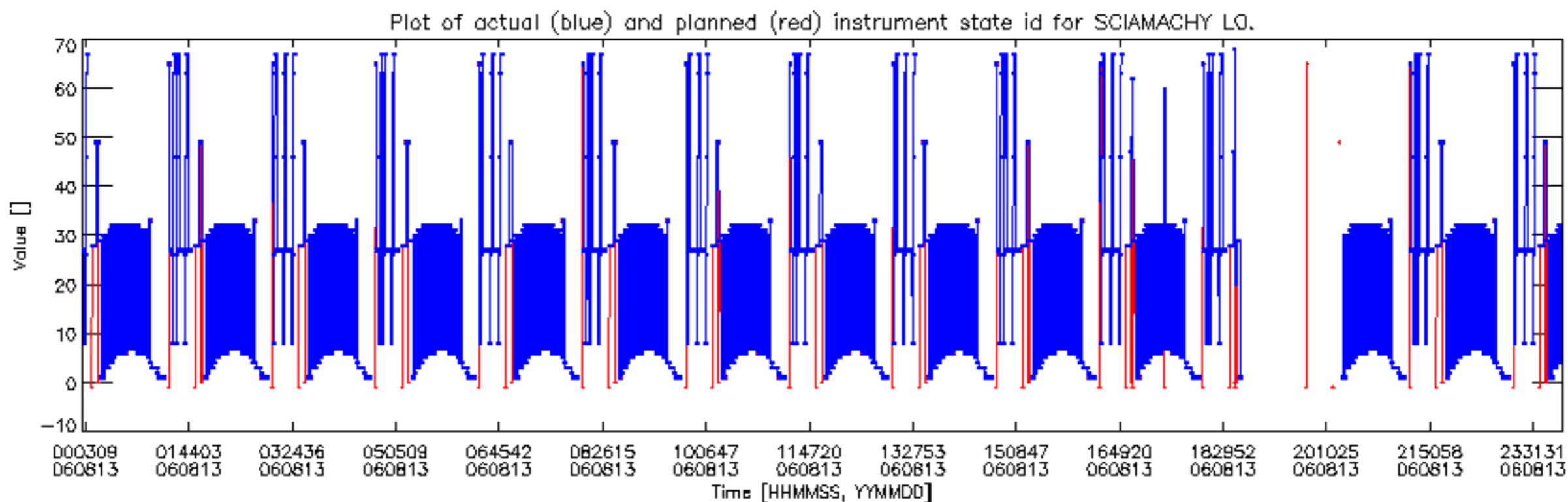














Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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