

## 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	28AUG2008 04:15:24
Data source version	KSPT_L0/4303-N
Processing scope for products	24AUG2008 00:00:00 to 25AUG2008 00:00:00
Start time of first product within scope	23AUG2008 23:29:42
Stop time of last product within scope	25AUG2008 00:40:56
Total number of level 0 products	16
Number of level 0 products with errors	1

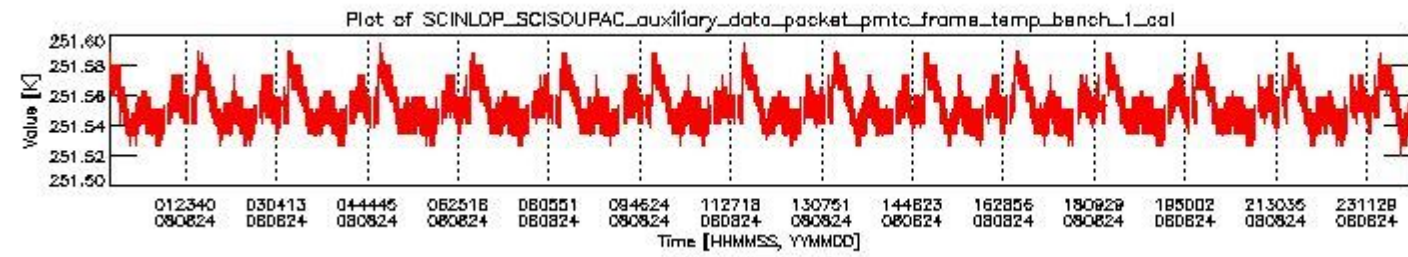
### 0.1.2 Summary per product

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

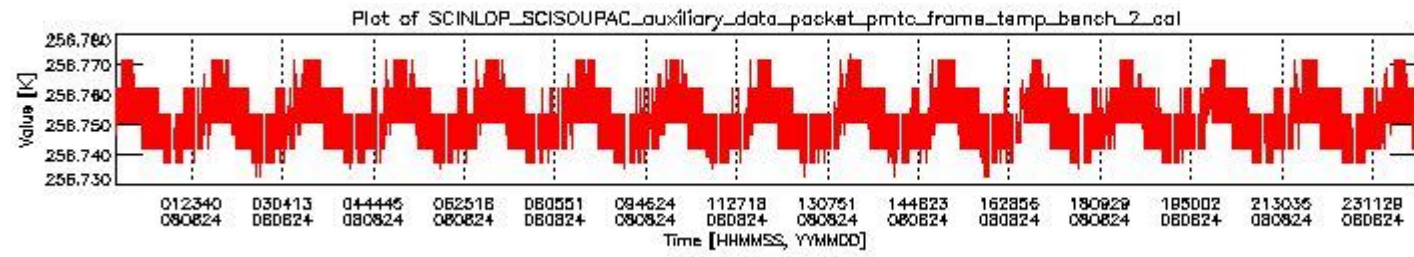
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080823_232942_000060762071_00273_33894_7367.N1	23AUG2008 23:29:42	24AUG2008 01:10:58	0	0	0	0	0
1	SCI_NL__OPNPDE20080824_011014_000046362071_00274_33895_7368.N1	24AUG2008 01:10:14	24AUG2008 02:27:30	0	0	0	0	0
2	SCI_NL__OPNPDE20080824_022730_000058432071_00275_33896_7369.N1	24AUG2008 02:27:30	24AUG2008 04:04:53	0	0	0	0	0
3	SCI_NL__OPNPDE20080824_040453_000061052071_00276_33897_7370.N1	24AUG2008 04:04:53	24AUG2008 05:46:38	0	0	0	0	0
4	SCI_NL__OPNPDE20080824_054542_000061482071_00277_33898_7371.N1	24AUG2008 05:45:42	24AUG2008 07:28:11	0	0	0	0	0
5	SCI_NL__OPNPDK20080824_072715_000039902071_00278_33899_9109.N1	24AUG2008 07:27:15	24AUG2008 08:33:44	0	0	0	0	0
6	SCI_NL__OPNPDK20080824_083236_000061612071_00279_33900_9110.N1	24AUG2008 08:32:36	24AUG2008 10:15:16	0	0	0	0	0
7	SCI_NL__OPNPDK20080824_101516_000059802071_00280_33901_9111.N1	24AUG2008 10:15:16	24AUG2008 11:54:57	0	0	0	0	0
8	SCI_NL__OPNPDK20080824_115348_000060362071_00281_33902_9112.N1	24AUG2008 11:53:48	24AUG2008 13:34:25	0	0	0	0	0
9	SCI_NL__OPNPDK20080824_133316_000059252071_00282_33903_9113.N1	24AUG2008 13:33:16	24AUG2008 15:12:01	0	0	0	0	0
10	SCI_NL__OPNPDK20080824_151052_000057882071_00283_33904_9114.N1	24AUG2008 15:10:52	24AUG2008 16:47:20	0	0	0	0	0
11	SCI_NL__OPNPDK20080824_164611_000060002071_00284_33905_9115.N1	24AUG2008 16:46:11	24AUG2008 18:26:11	1	1	0	0	0
12	SCI_NL__OPNPDK20080824_182515_000061482071_00285_33906_9116.N1	24AUG2008 18:25:15	24AUG2008 20:07:43	0	0	0	0	0
13	SCI_NL__OPNPDE20080824_200552_000042992071_00286_33907_7372.N1	24AUG2008 20:05:52	24AUG2008 21:17:31	0	0	0	0	0
14	SCI_NL__OPNPDE20080824_211647_000061682071_00286_33907_7373.N1	24AUG2008 21:16:47	24AUG2008 22:59:35	0	0	0	0	0
15	SCI_NL__OPNPDE20080824_225812_000061642071_00287_33908_7374.N1	24AUG2008 22:58:12	25AUG2008 00:40:56	0	0	0	0	0

## 0.2 Product Quality Indicators

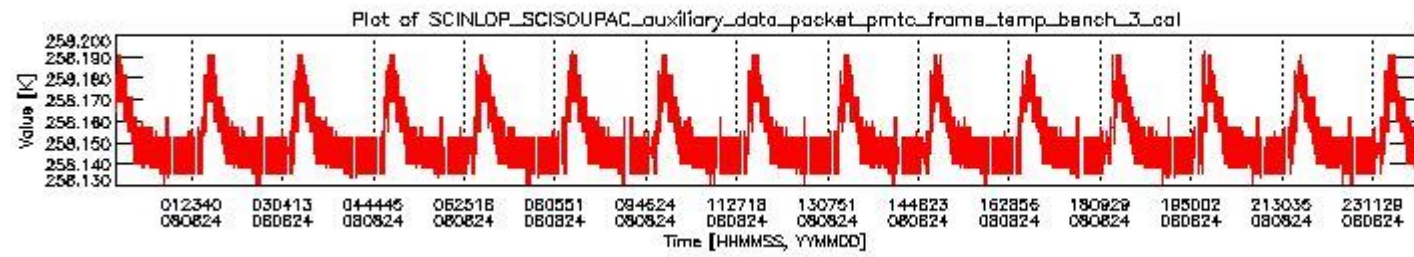
This section shows information about product quality, currently temperatures.



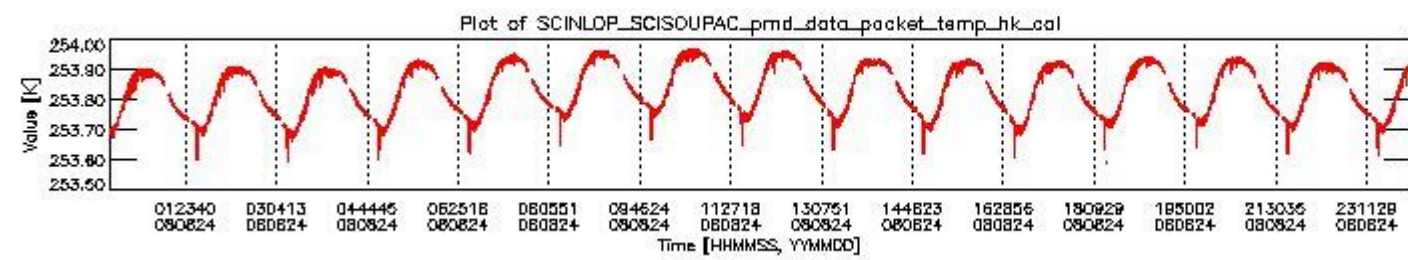
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080824\_0.PNG



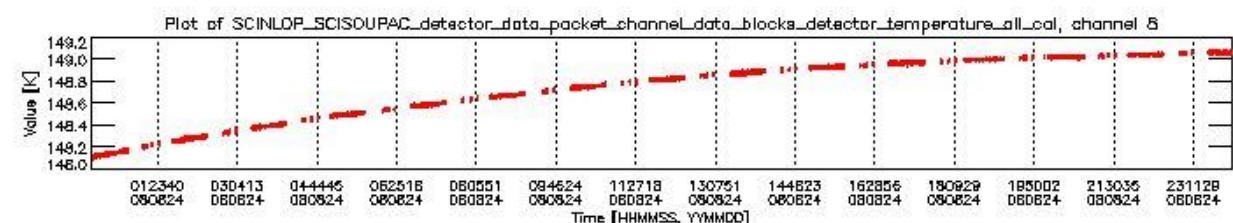
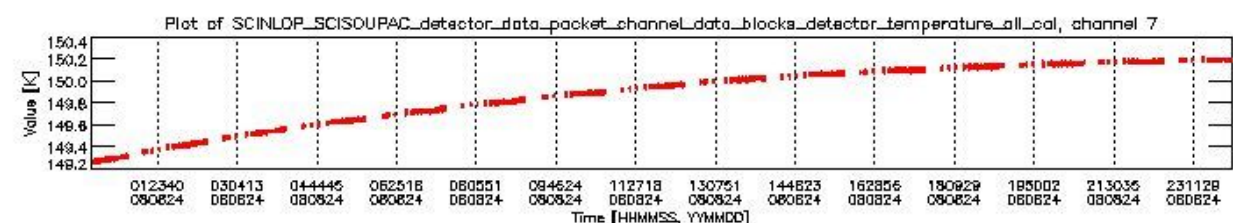
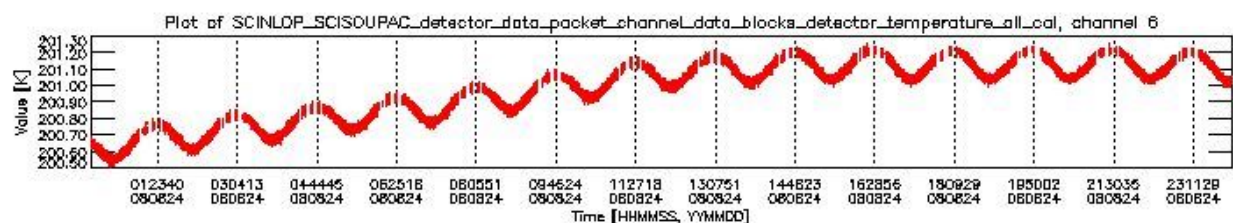
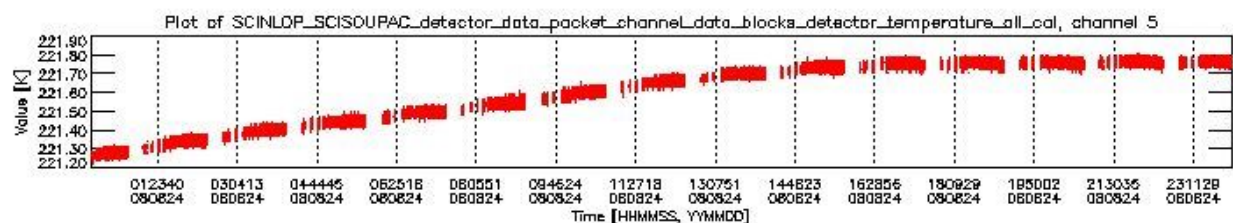
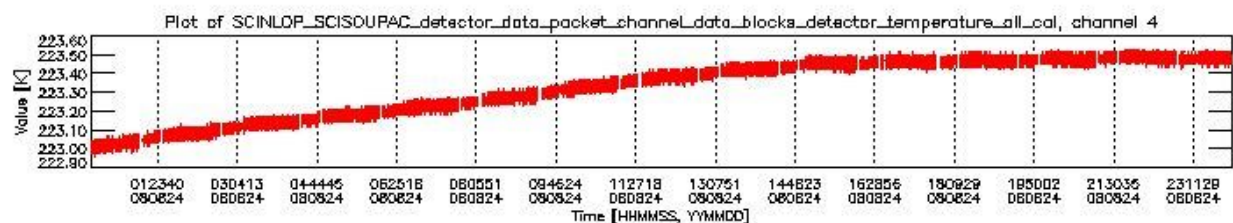
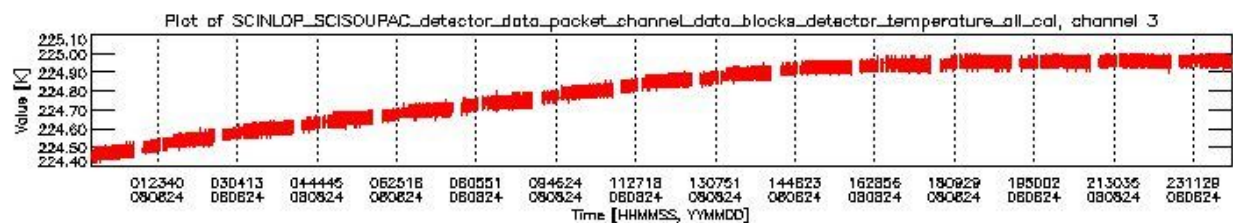
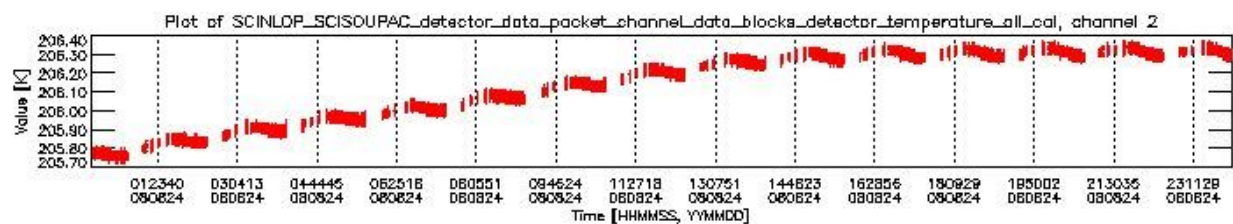
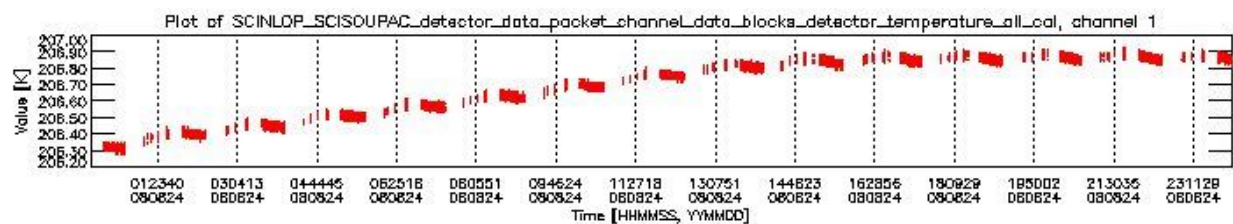
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080824\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080824\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080824\_3.PNG

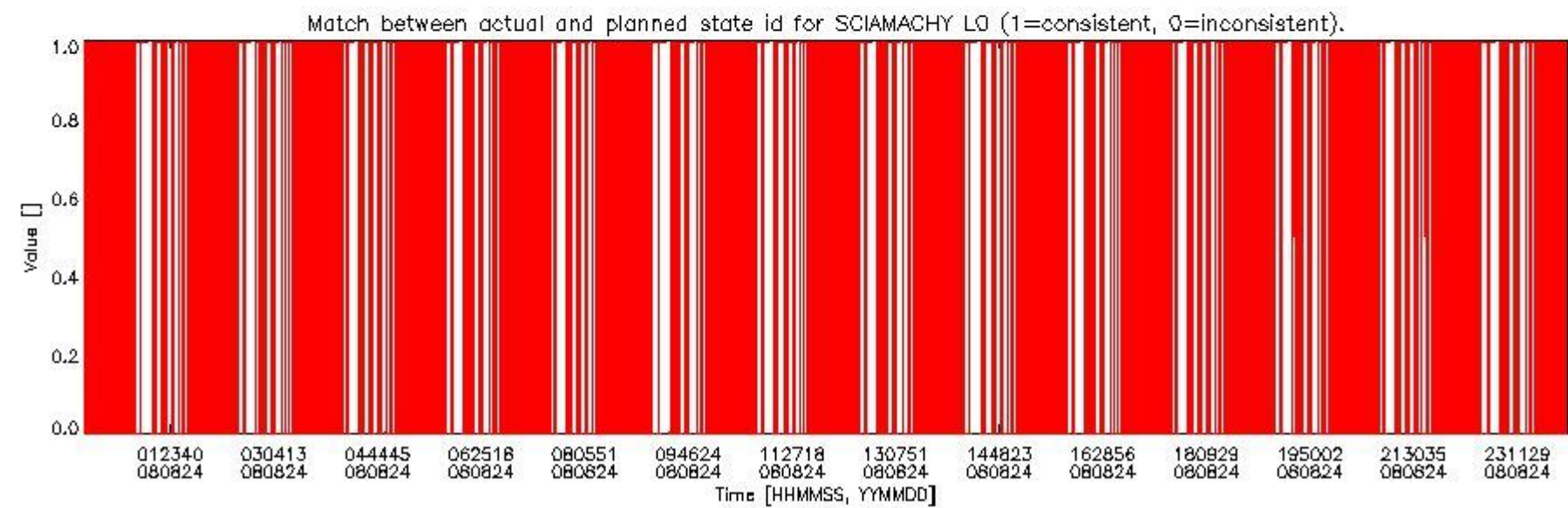
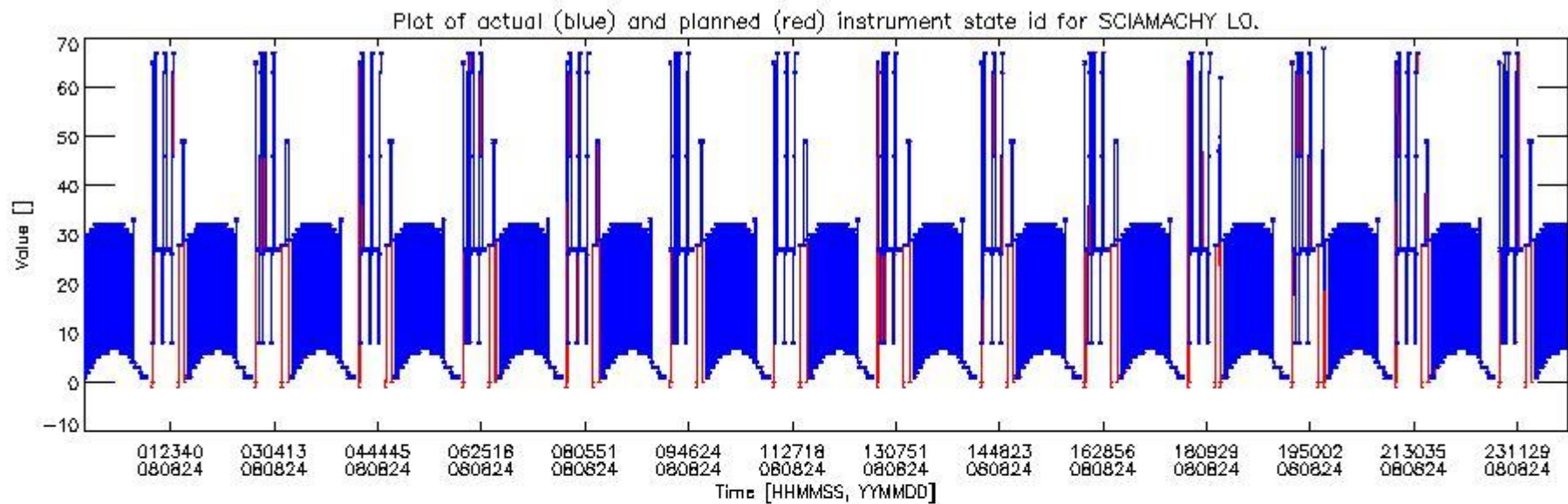


### 0.3 State monitoring

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: **43921**

#	Actual time	Actual value	Planned time	Planned value
0	24AUG2008 00:00:07.990140	1	24AUG2008 00:00:07.990140	29
1	24AUG2008 00:00:08.240108	1	24AUG2008 00:00:08.240108	29
2	24AUG2008 00:00:08.365113	1	24AUG2008 00:00:08.365113	29
3	24AUG2008 00:00:08.490117	1	24AUG2008 00:00:08.490117	29
4	24AUG2008 00:00:08.615121	1	24AUG2008 00:00:08.615121	29
5	24AUG2008 00:00:08.740126	1	24AUG2008 00:00:08.740126	29
6	24AUG2008 00:00:08.865130	1	24AUG2008 00:00:08.865130	29
7	24AUG2008 00:00:08.990134	1	24AUG2008 00:00:08.990134	29
8	24AUG2008 00:00:09.115139	1	24AUG2008 00:00:09.115139	29
9	24AUG2008 00:00:09.240143	1	24AUG2008 00:00:09.240143	29
10	24AUG2008 00:00:09.365107	1	24AUG2008 00:00:09.365107	29
11	24AUG2008 00:00:09.490111	1	24AUG2008 00:00:09.490111	29
12	24AUG2008 00:00:09.615116	1	24AUG2008 00:00:09.615116	29
13	24AUG2008 00:00:09.740120	1	24AUG2008 00:00:09.740120	29
14	24AUG2008 00:00:09.865125	1	24AUG2008 00:00:09.865125	29
15	24AUG2008 00:00:09.990129	1	24AUG2008 00:00:09.990129	29
16	24AUG2008 00:00:10.115133	1	24AUG2008 00:00:10.115133	29
17	24AUG2008 00:00:10.240138	1	24AUG2008 00:00:10.240138	29
18	24AUG2008 00:00:10.365142	1	24AUG2008 00:00:10.365142	29
19	24AUG2008 00:00:10.490146	1	24AUG2008 00:00:10.490146	29
	...	...	...	...

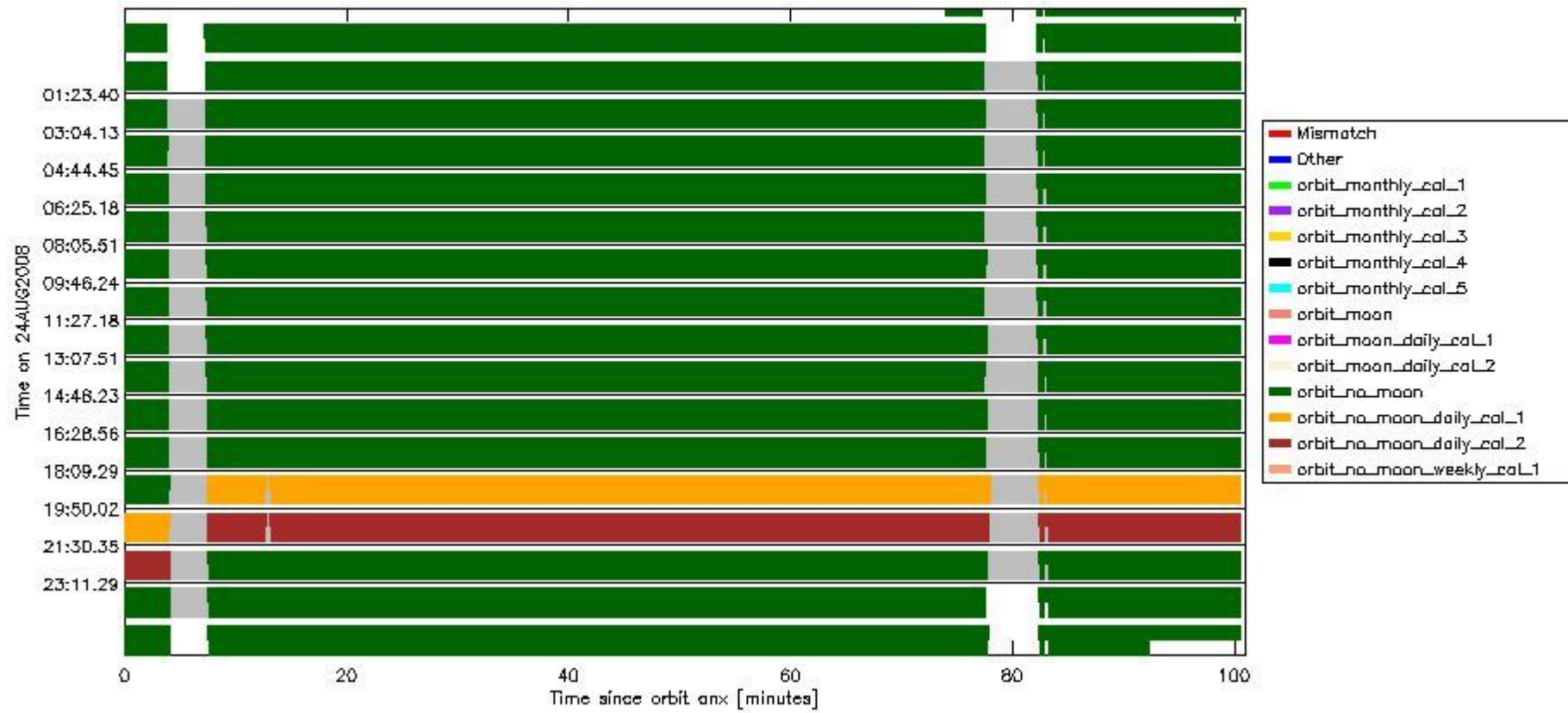


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080824\_5.PNG

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 24AUG2008.  
 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\_20080824\_6.PNG

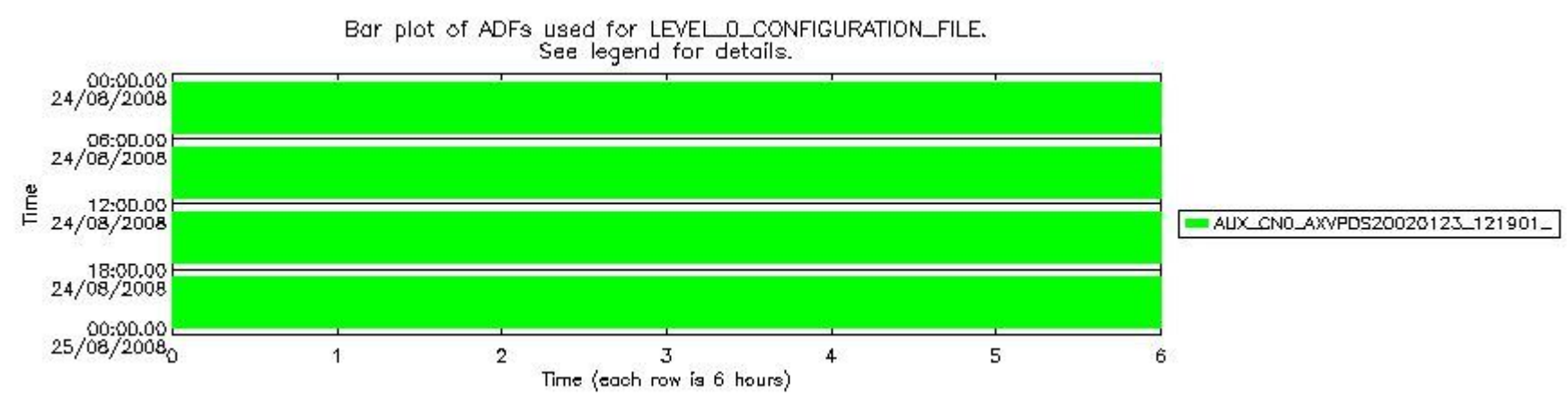
## 0.4 ADF monitoring

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

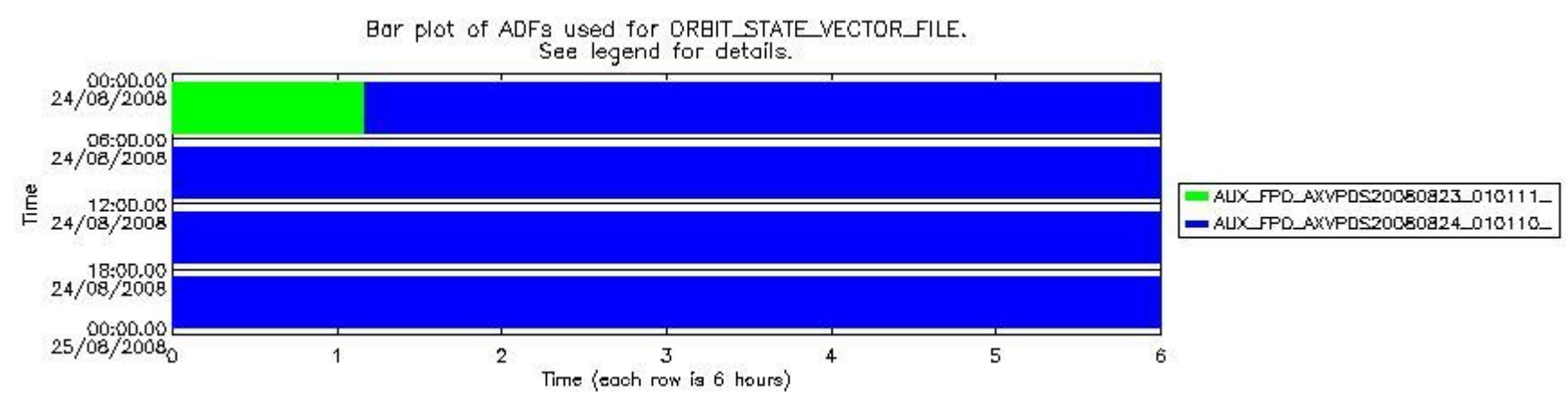
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

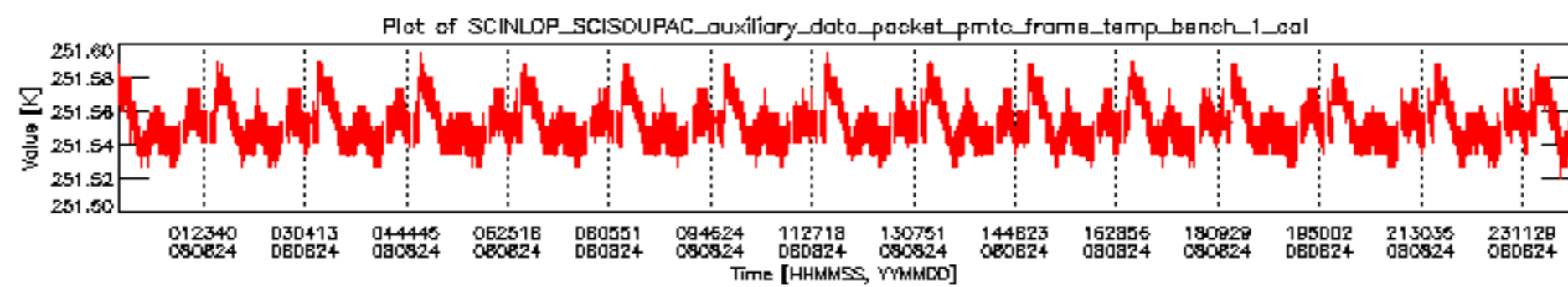
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20080823_010111_20080822_191247_20080901_203900</b>
2	<b>AUX_FPO_AXVPDS20080824_010110_20080823_184110_20080902_200722</b>



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080824\_7.PNG

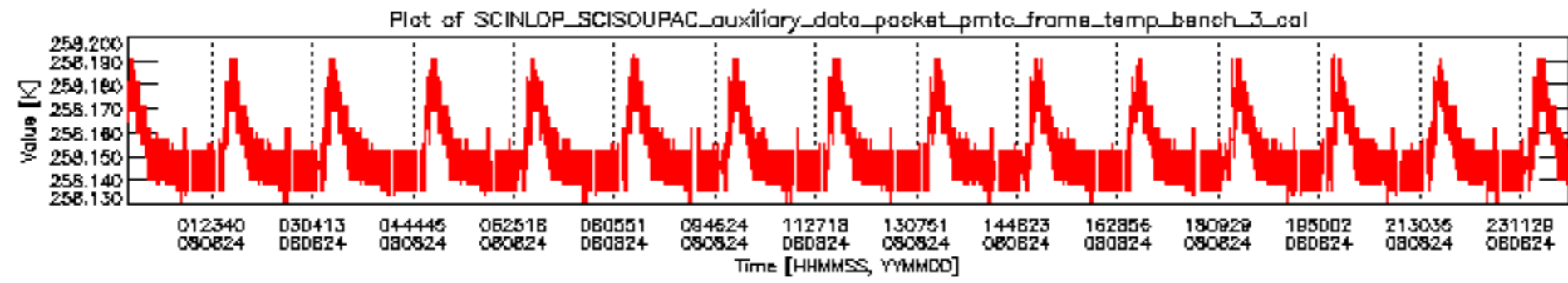


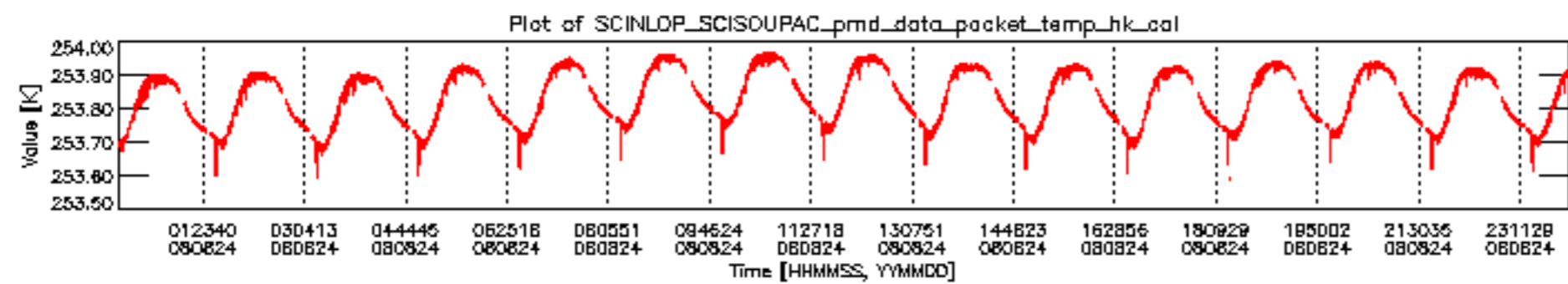
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080824\_8.PNG

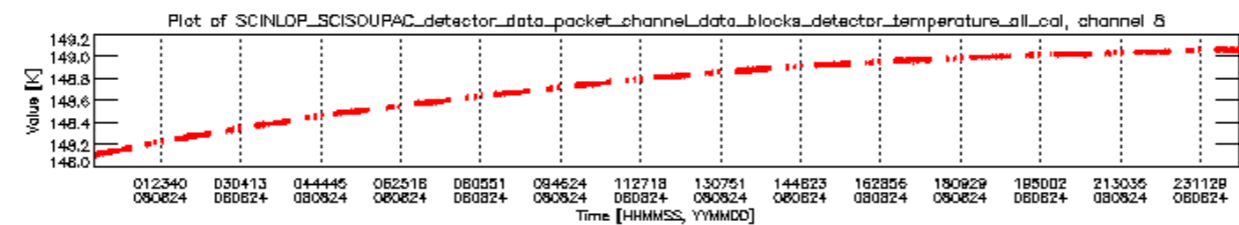
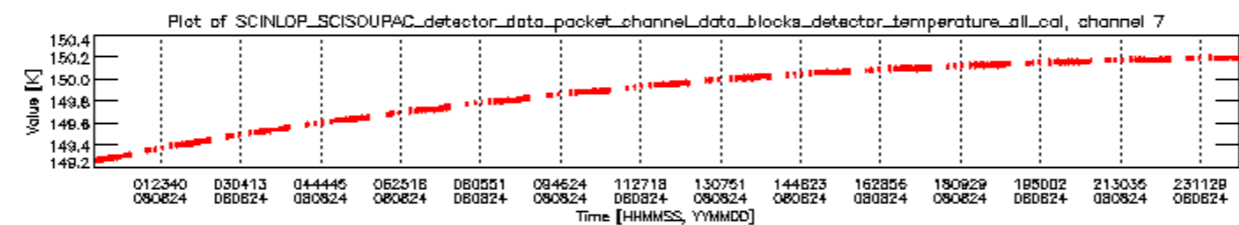
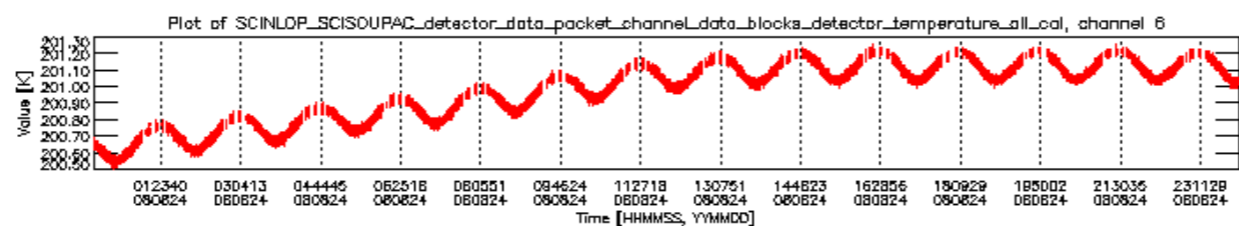
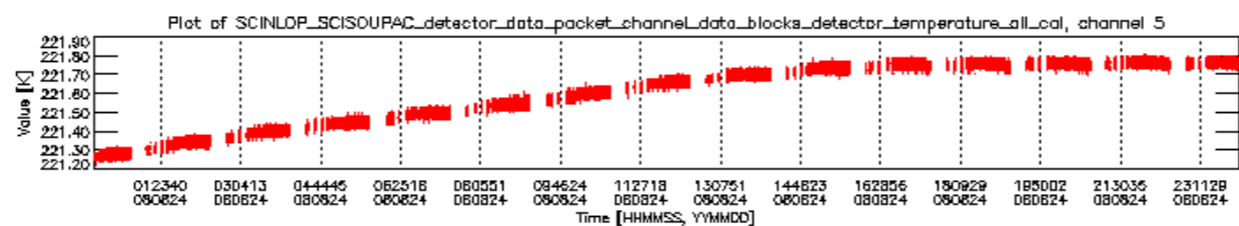
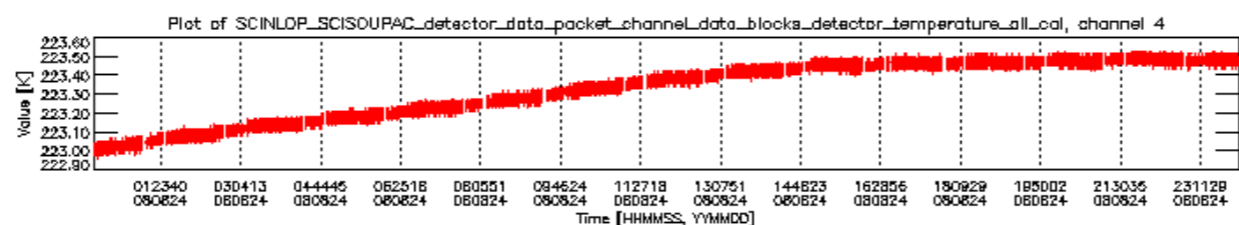
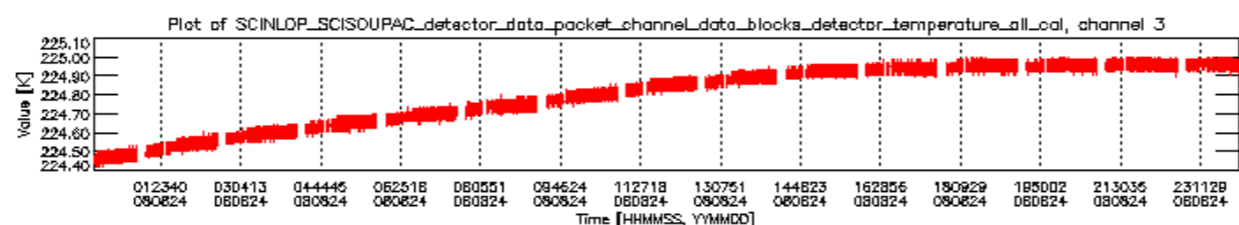
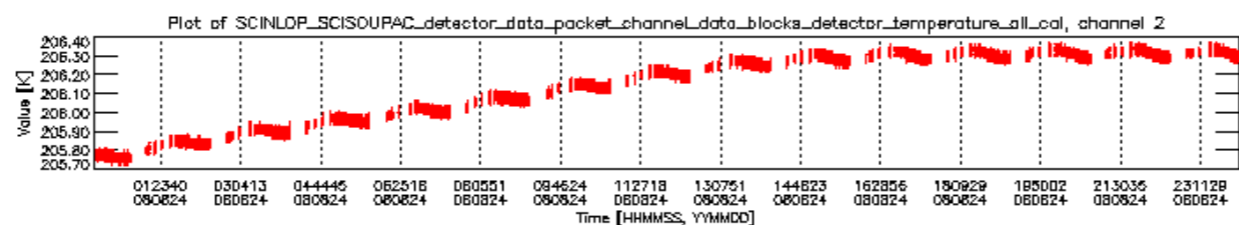
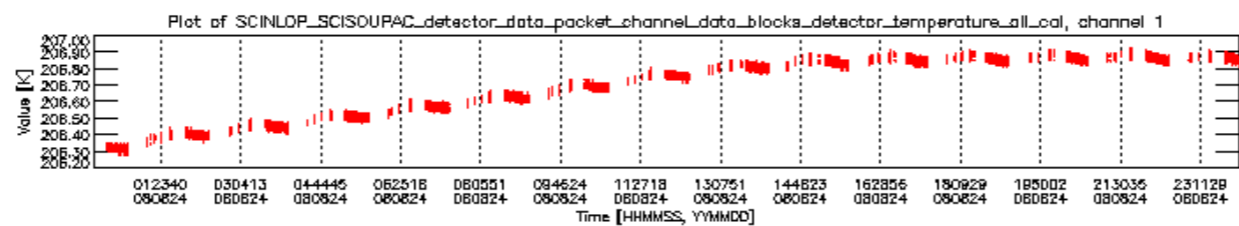


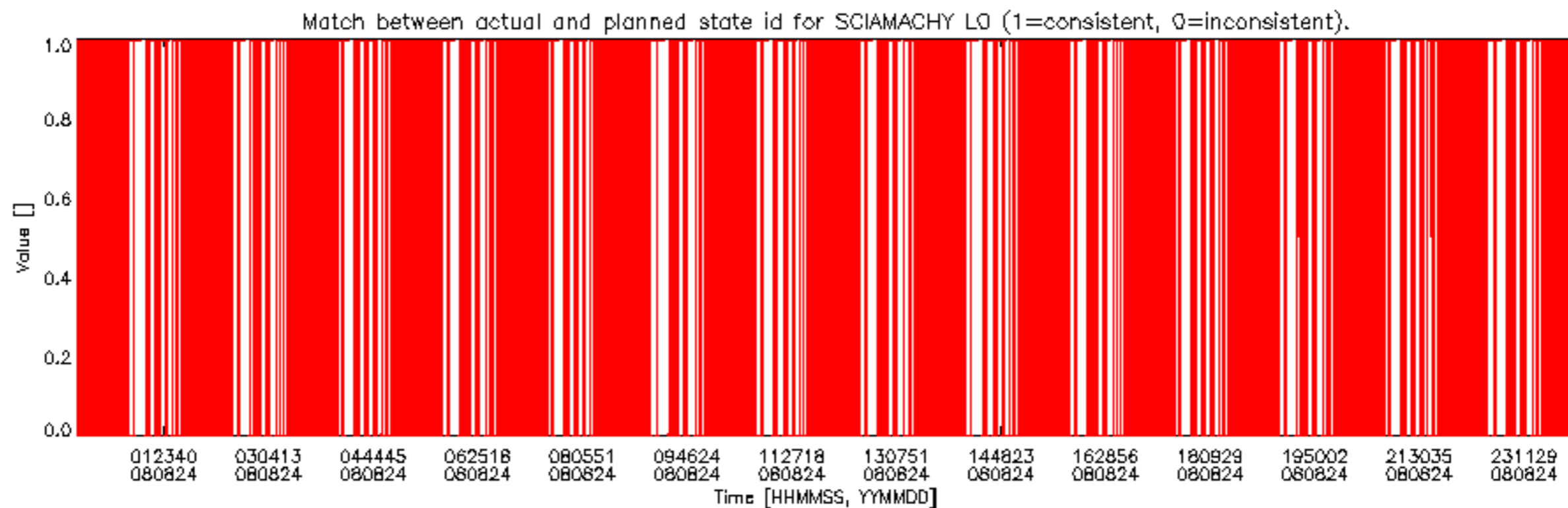
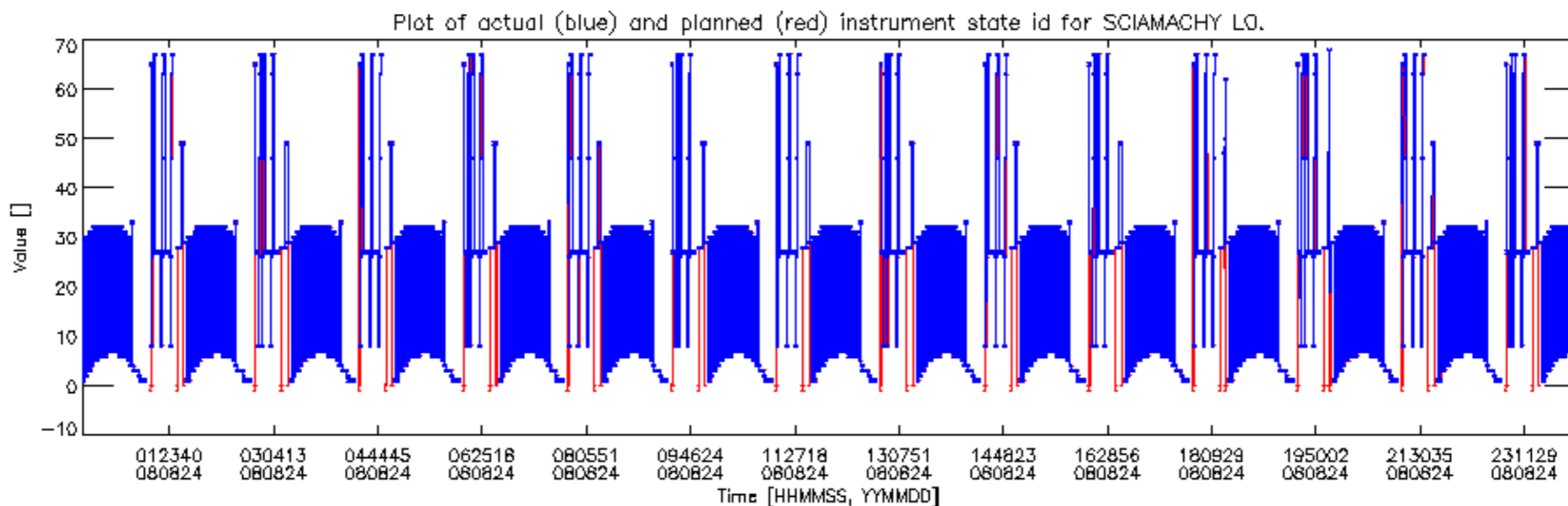












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 24AUG2008.  
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