

## 0. SCIAMACHY Daily Report for level 0 products

### [0.1 General Info](#)

### [0.2 Product Quality Indicators](#)

### [0.3 State monitoring](#)

### [0.4 ADF monitoring](#)

## 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	20NOV2008 05:51:28
Data source version	KSPT_L0/4303-N
Processing scope for products	16NOV2008 00:00:00 to 17NOV2008 00:00:00
Start time of first product within scope	15NOV2008 22:53:57
Stop time of last product within scope	16NOV2008 23:57:10
Total number of level 0 products	16
Number of level 0 products with errors	0

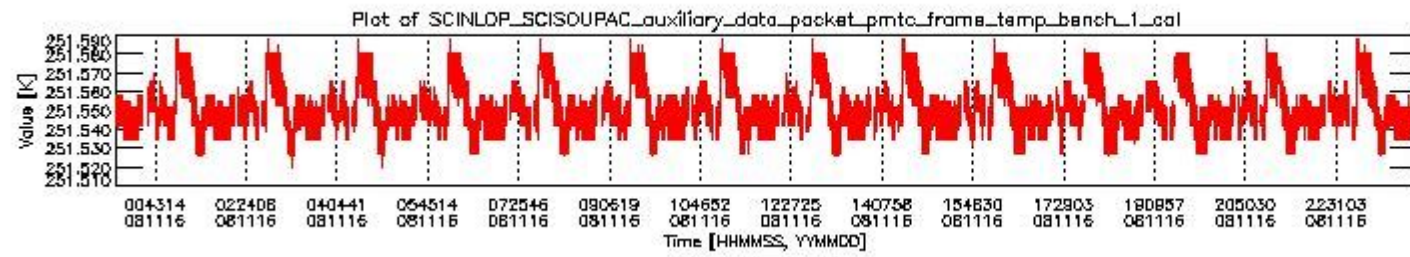
### 0.1.2 Summary per product

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

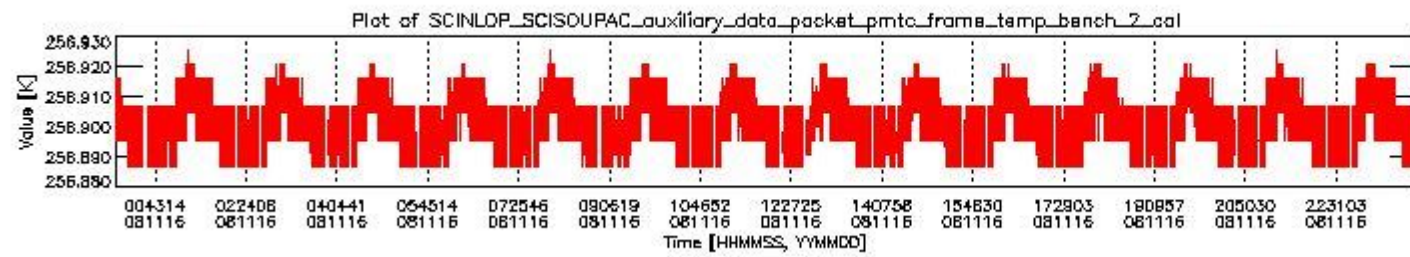
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081115_225357_000056852073_00473_35096_7915.N1	15NOV2008 22:53:57	16NOV2008 00:28:43	0	0	0	0	0
1	SCI_NL__OPNPDE20081116_003434_000056732073_00474_35097_7916.N1	16NOV2008 00:34:34	16NOV2008 02:09:06	0	0	0	0	0
2	SCI_NL__OPNPDE20081116_020906_000047412073_00475_35098_7917.N1	16NOV2008 02:09:06	16NOV2008 03:28:07	0	0	0	0	0
3	SCI_NL__OPNPDE20081116_032807_000057752073_00476_35099_7918.N1	16NOV2008 03:28:07	16NOV2008 05:04:22	0	0	0	0	0
4	SCI_NL__OPNPDE20081116_050422_000061052073_00477_35100_7919.N1	16NOV2008 05:04:22	16NOV2008 06:46:07	0	0	0	0	0
5	SCI_NL__OPNPDK20081116_064511_000041012073_00478_35101_9945.N1	16NOV2008 06:45:11	16NOV2008 07:53:32	0	0	0	0	0
6	SCI_NL__OPNPDK20081116_075224_000061732073_00479_35102_9946.N1	16NOV2008 07:52:24	16NOV2008 09:35:17	0	0	0	0	0
7	SCI_NL__OPNPDK20081116_093409_000059122073_00480_35103_9947.N1	16NOV2008 09:34:09	16NOV2008 11:12:40	0	0	0	0	0
8	SCI_NL__OPNPDK20081116_111048_000061482073_00481_35104_9948.N1	16NOV2008 11:10:48	16NOV2008 12:53:16	0	0	0	0	0
9	SCI_NL__OPNPDK20081116_125221_000060362073_00482_35105_9949.N1	16NOV2008 12:52:21	16NOV2008 14:32:57	0	0	0	0	0
10	SCI_NL__OPNPDK20081116_143105_000058982073_00483_35106_9950.N1	16NOV2008 14:31:05	16NOV2008 16:09:23	0	0	0	0	0
11	SCI_NL__OPNPDK20081116_160923_000059242073_00484_35107_9951.N1	16NOV2008 16:09:23	16NOV2008 17:48:07	0	0	0	0	0
12	SCI_NL__OPNPDK20081116_174615_000057422073_00485_35108_9952.N1	16NOV2008 17:46:15	16NOV2008 19:21:57	0	0	0	0	0
13	SCI_NL__OPNPDK20081116_192652_000060362073_00486_35109_9953.N1	16NOV2008 19:26:52	16NOV2008 21:07:28	0	0	0	0	0
14	SCI_NL__OPNPDE20081116_210728_000041332073_00487_35110_7920.N1	16NOV2008 21:07:28	16NOV2008 22:16:21	0	0	0	0	0
15	SCI_NL__OPNPDE20081116_222225_000056852073_00487_35110_7921.N1	16NOV2008 22:22:25	16NOV2008 23:57:10	0	0	0	0	0

## 0.2 Product Quality Indicators

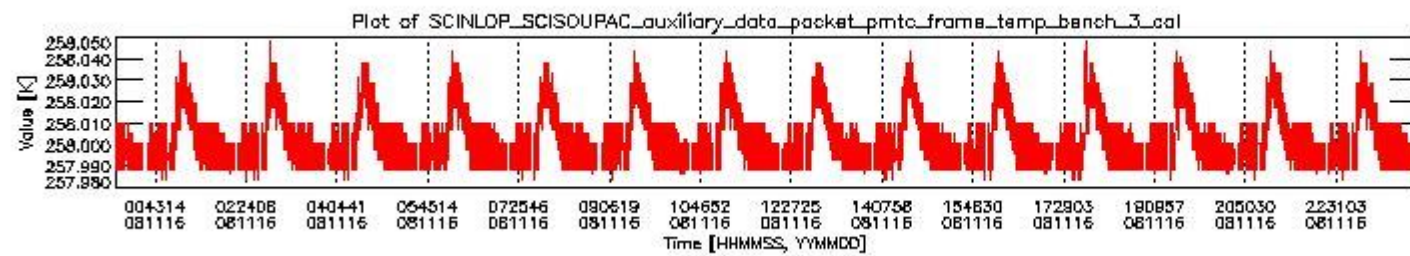
This section shows information about product quality, currently temperatures.



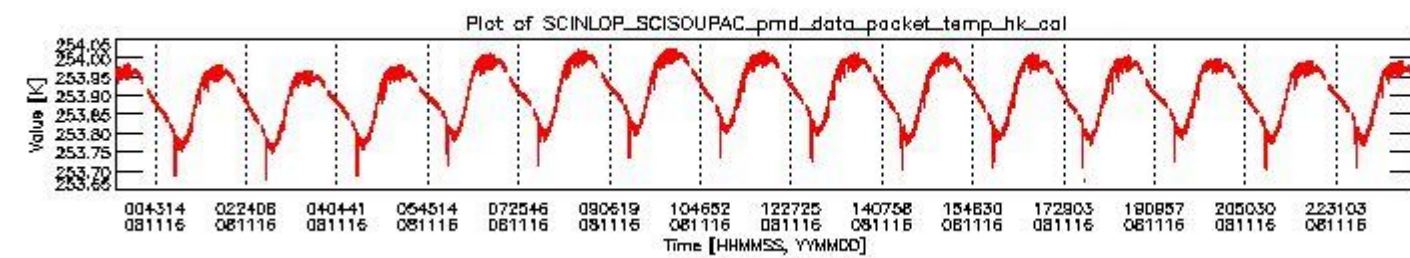
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081116\_0.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081116\_1.PNG

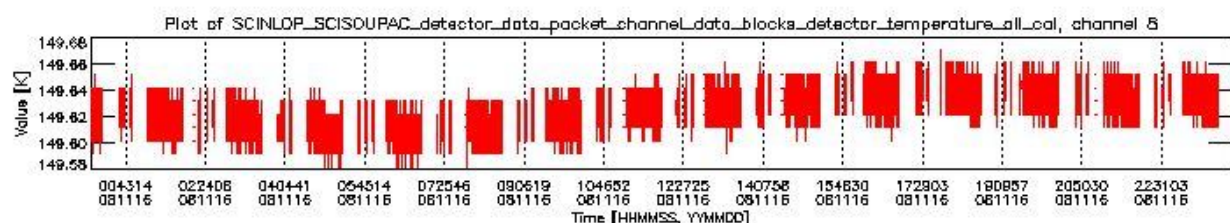
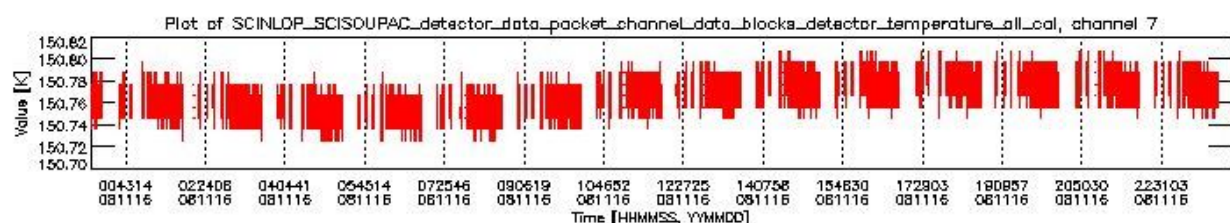
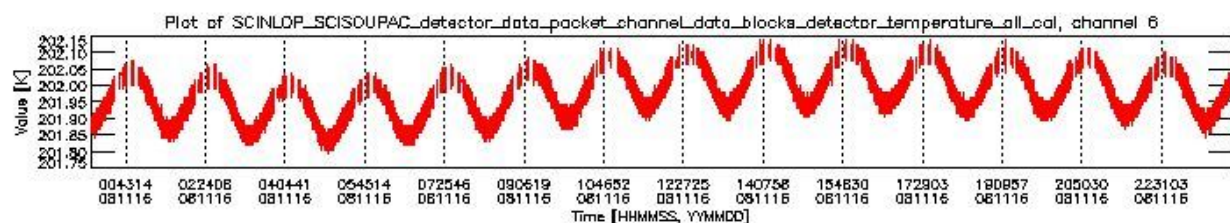
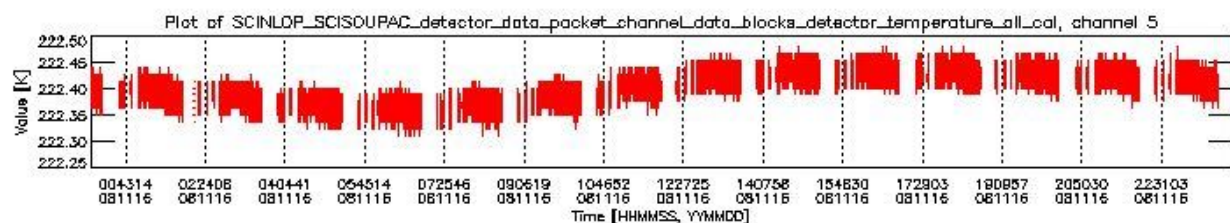
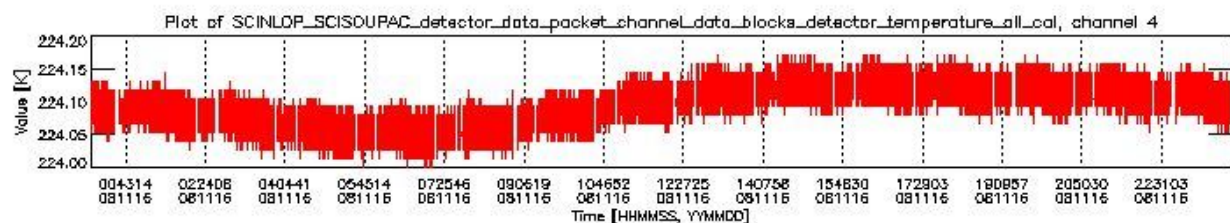
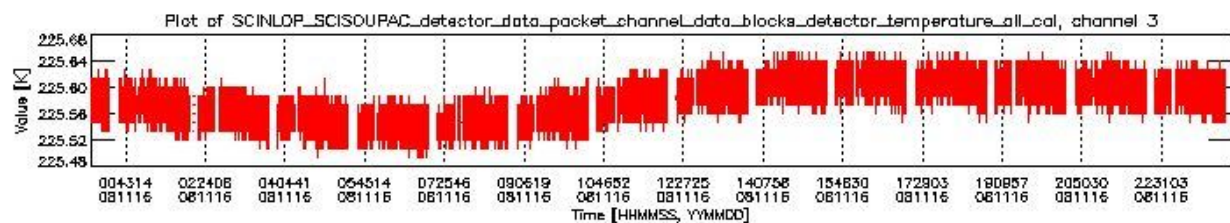
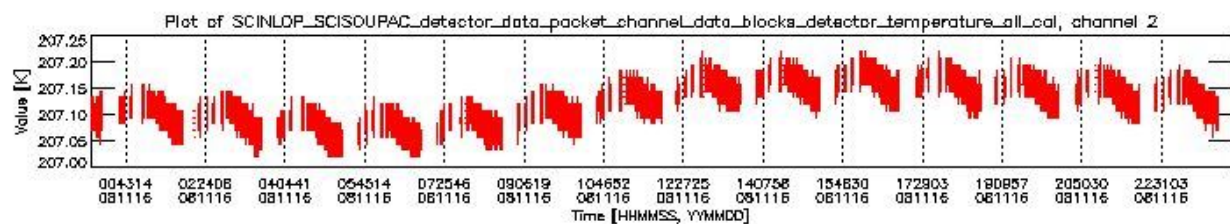
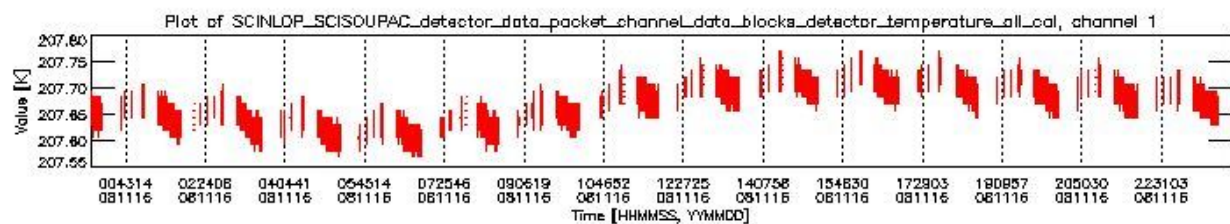


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081116\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081116\_3.PNG



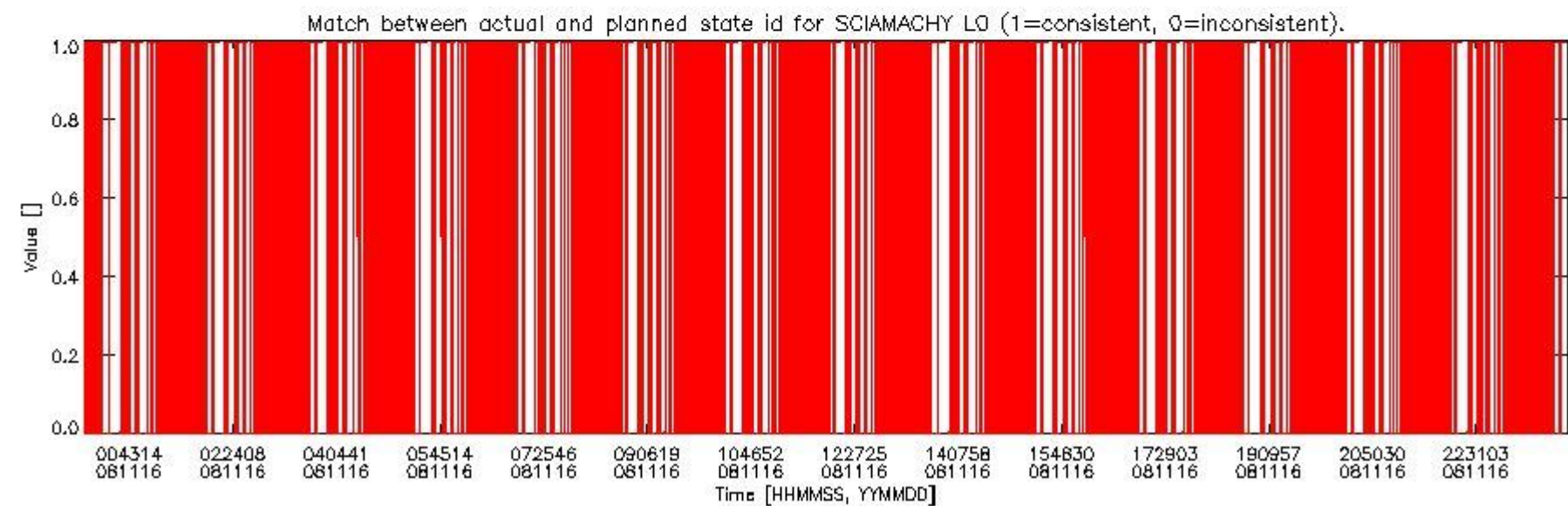
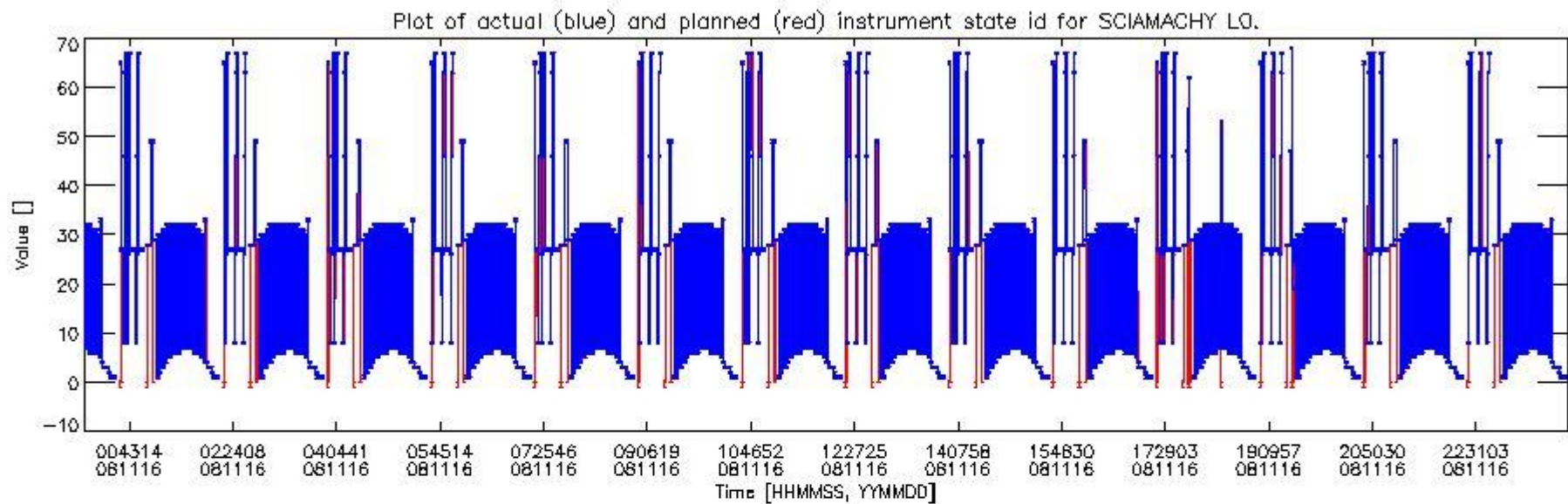


### 0.3 State monitoring

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: **57060**

#	Actual time	Actual value	Planned time	Planned value
0	16NOV2008 00:00:42.208461	32	16NOV2008 00:00:42.208461	7
1	16NOV2008 00:00:42.833483	32	16NOV2008 00:00:42.833483	7
2	16NOV2008 00:00:43.208456	32	16NOV2008 00:00:43.208456	7
3	16NOV2008 00:00:43.583469	32	16NOV2008 00:00:43.583469	7
4	16NOV2008 00:00:44.145969	32	16NOV2008 00:00:44.145969	7
5	16NOV2008 00:00:44.520982	32	16NOV2008 00:00:44.520982	7
6	16NOV2008 00:00:44.895954	32	16NOV2008 00:00:44.895954	7
7	16NOV2008 00:00:45.270967	32	16NOV2008 00:00:45.270967	7
8	16NOV2008 00:00:45.833467	32	16NOV2008 00:00:45.833467	7
9	16NOV2008 00:00:46.208480	32	16NOV2008 00:00:46.208480	7
10	16NOV2008 00:00:46.583453	32	16NOV2008 00:00:46.583453	7
11	16NOV2008 00:00:46.958466	32	16NOV2008 00:00:46.958466	7
12	16NOV2008 00:00:47.208475	32	16NOV2008 00:00:47.208475	7
13	16NOV2008 00:00:47.520965	32	16NOV2008 00:00:47.520965	7
14	16NOV2008 00:00:47.895978	32	16NOV2008 00:00:47.895978	7
15	16NOV2008 00:00:48.270951	32	16NOV2008 00:00:48.270951	7
16	16NOV2008 00:00:48.645964	32	16NOV2008 00:00:48.645964	7
17	16NOV2008 00:00:49.208464	32	16NOV2008 00:00:49.208464	7
18	16NOV2008 00:00:49.583477	32	16NOV2008 00:00:49.583477	7
19	16NOV2008 00:00:49.958450	32	16NOV2008 00:00:49.958450	7
	...	...	...	...



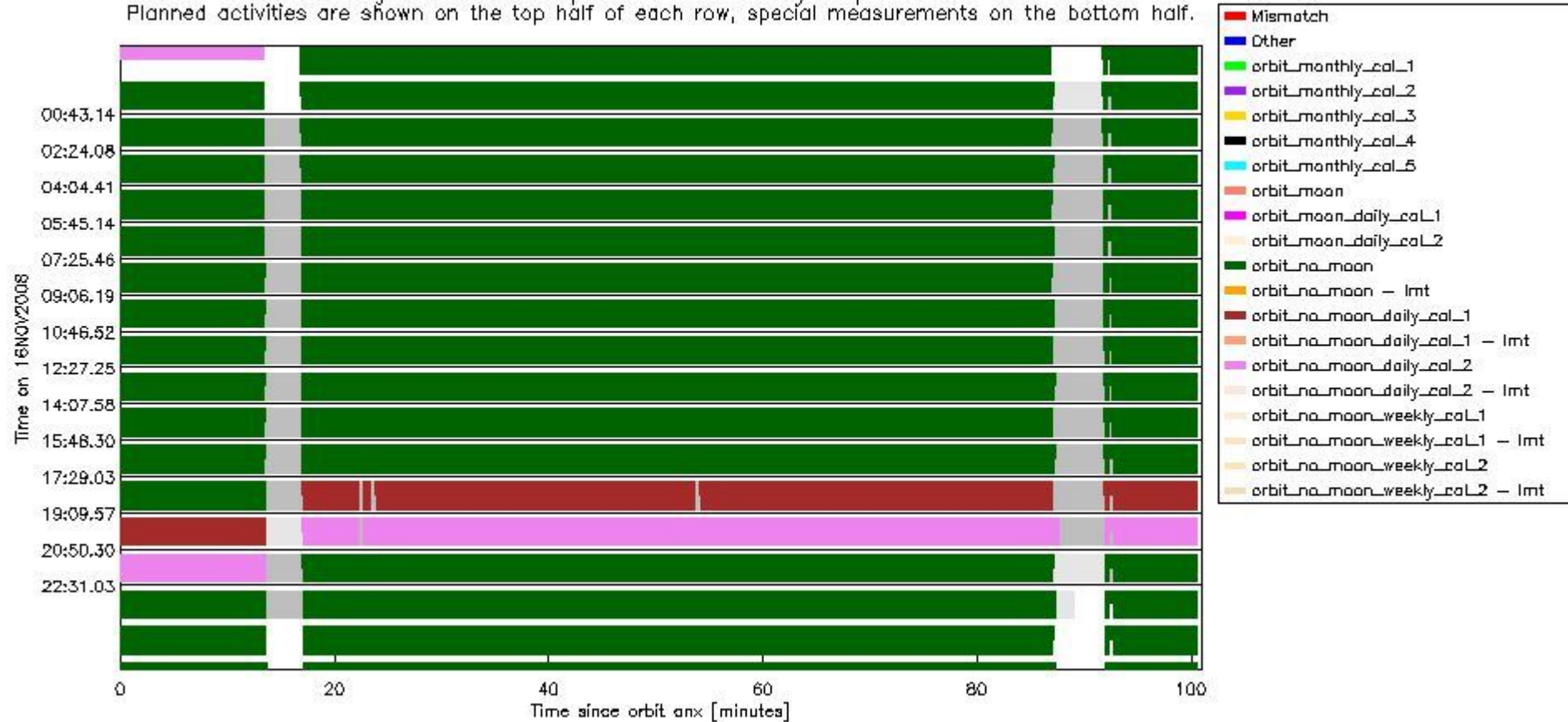
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081116\_5.PNG

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 16NOV2008.  
 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\_20081116\_6.PNG

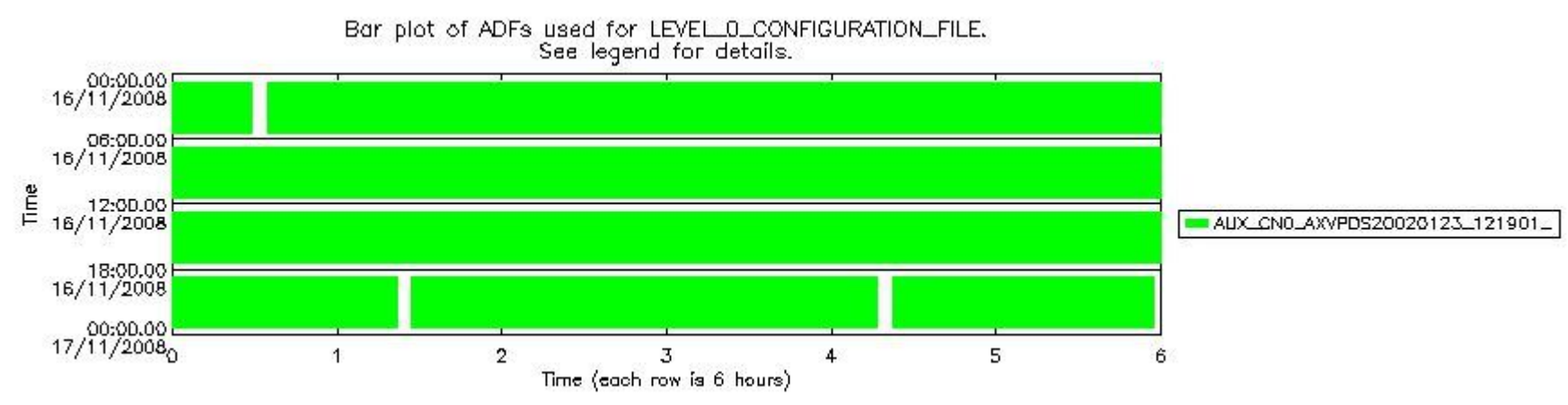
## 0.4 ADF monitoring

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

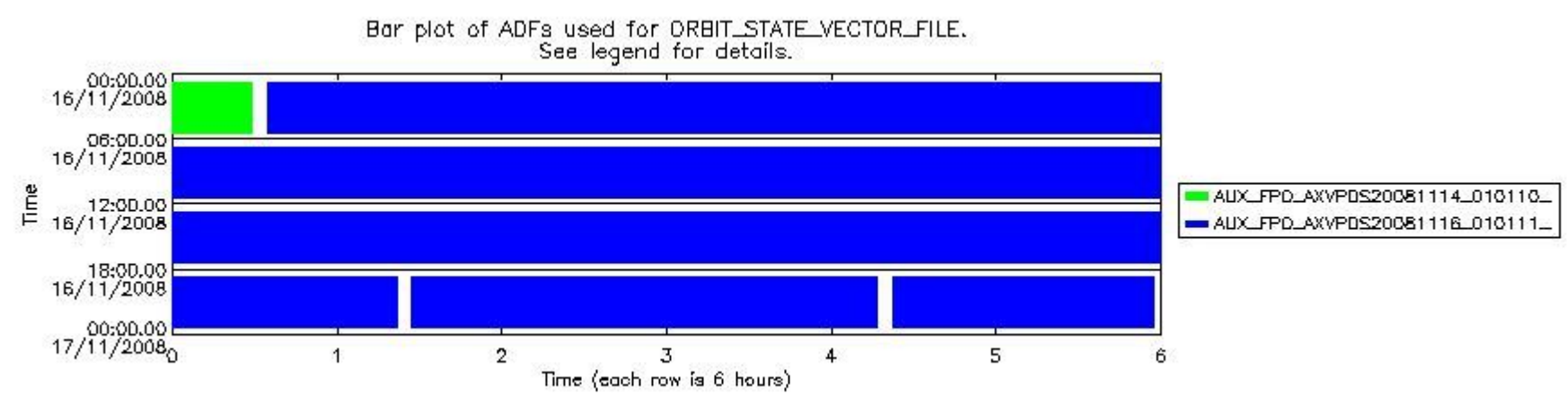
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

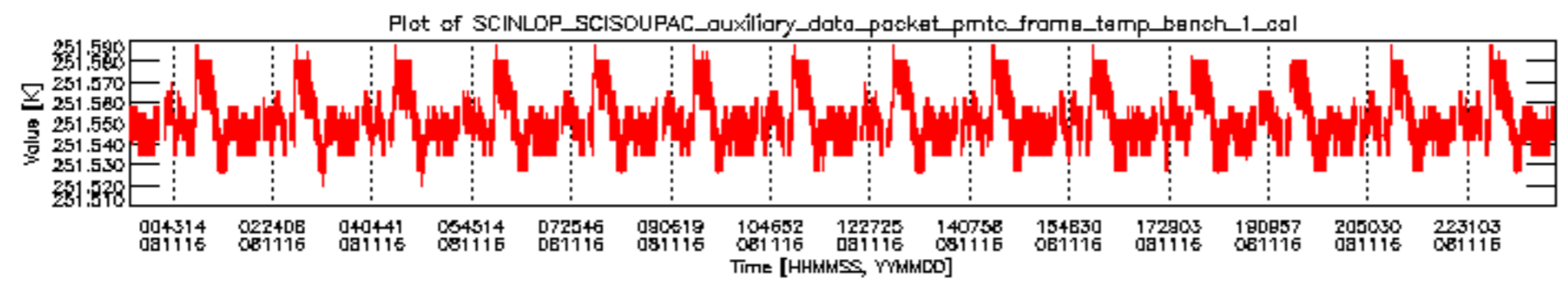
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20081114_010110_20081113_190407_20081123_203020</b>
2	<b>AUX_FPO_AXVPDS20081116_010111_20081115_194129_20081125_210741</b>



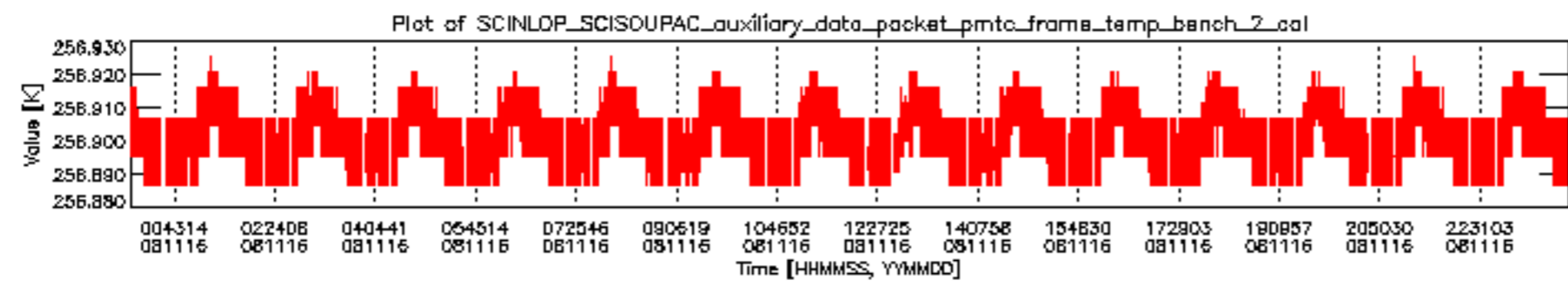
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081116\_7.PNG

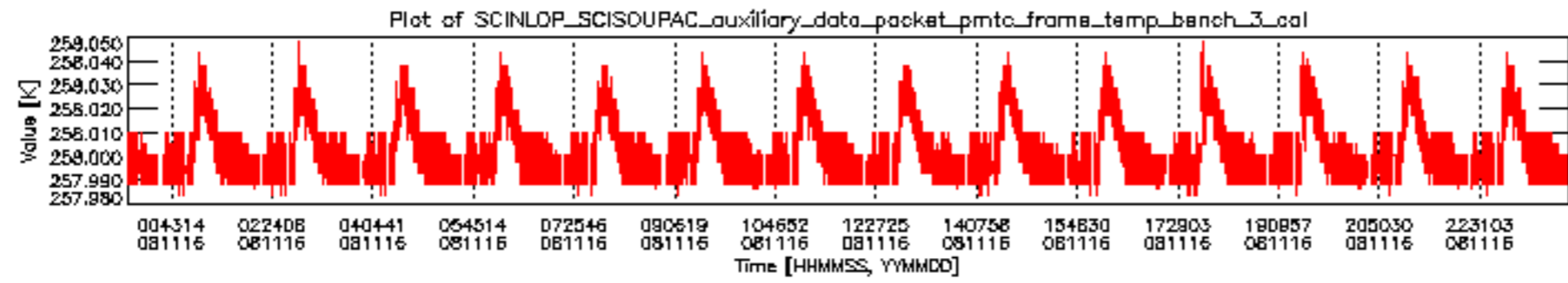


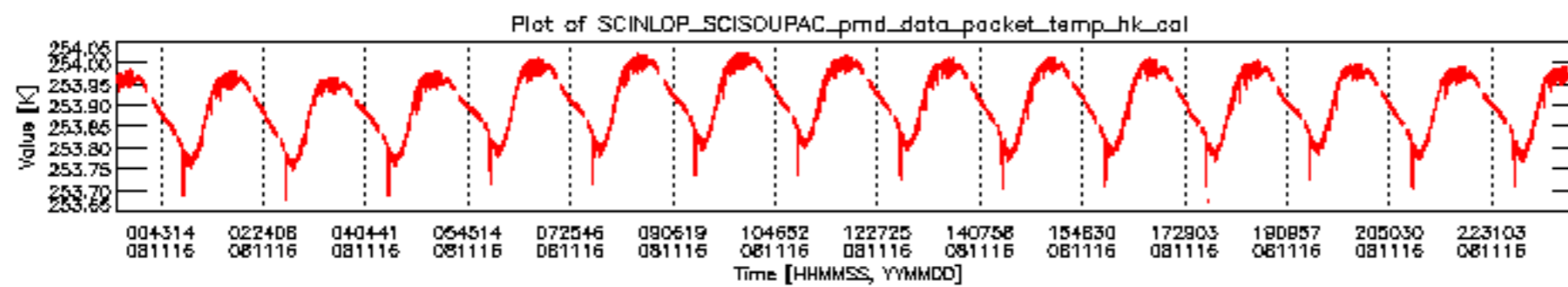
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081116\_8.PNG

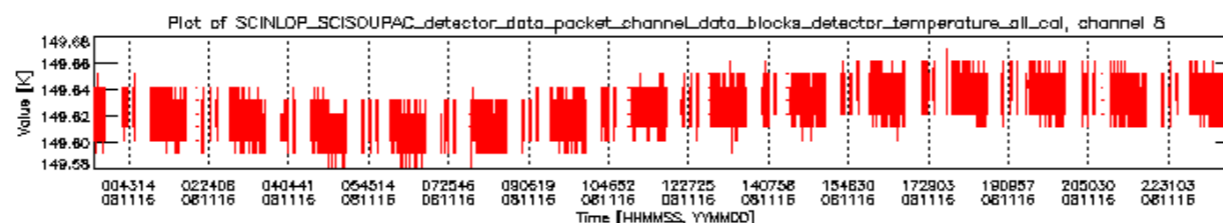
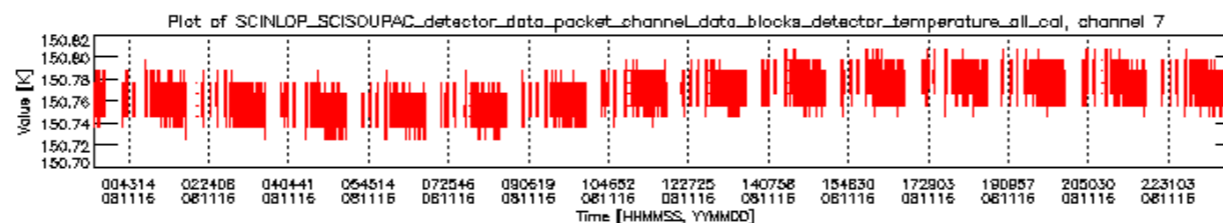
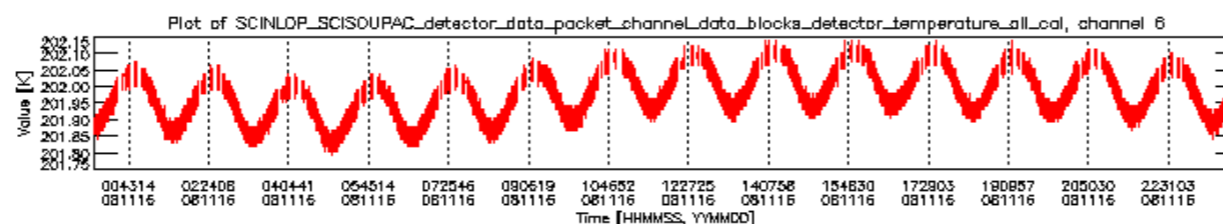
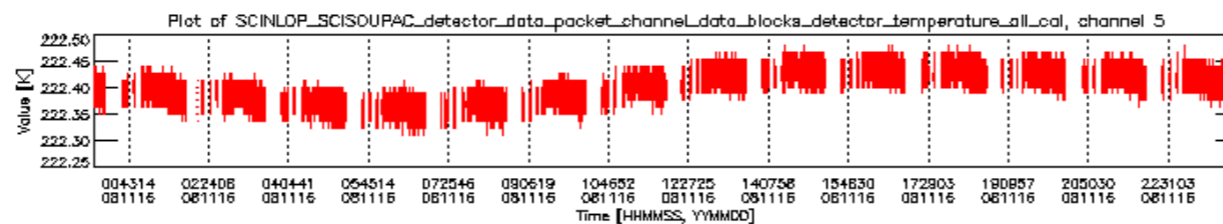
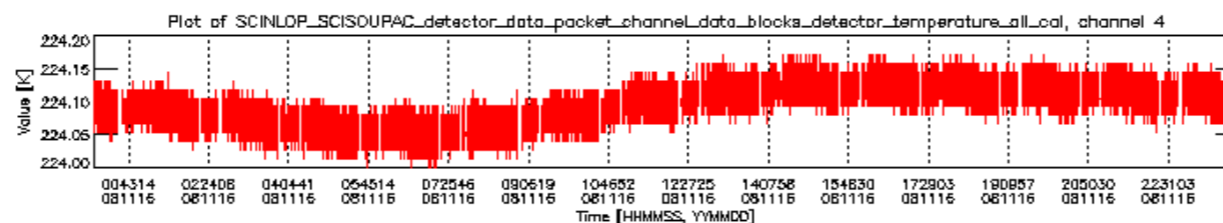
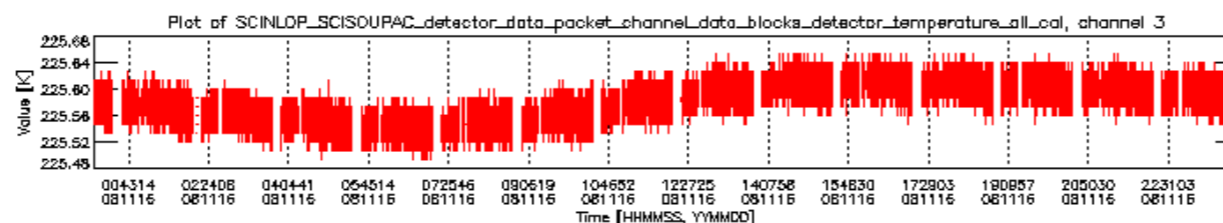
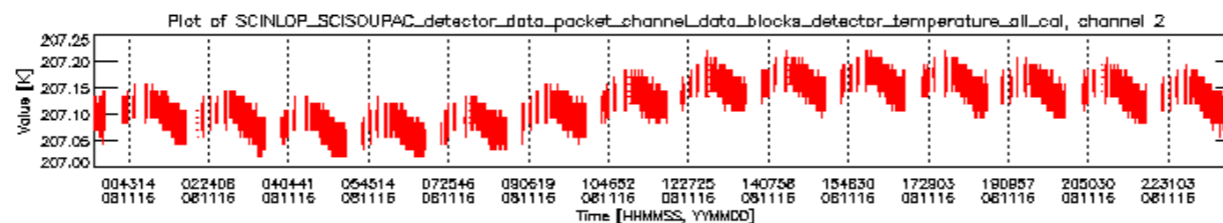
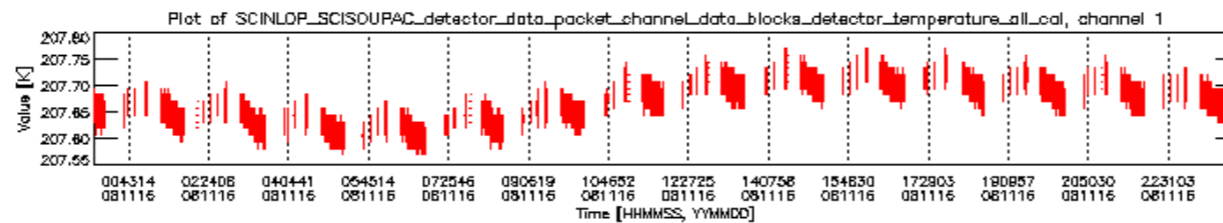




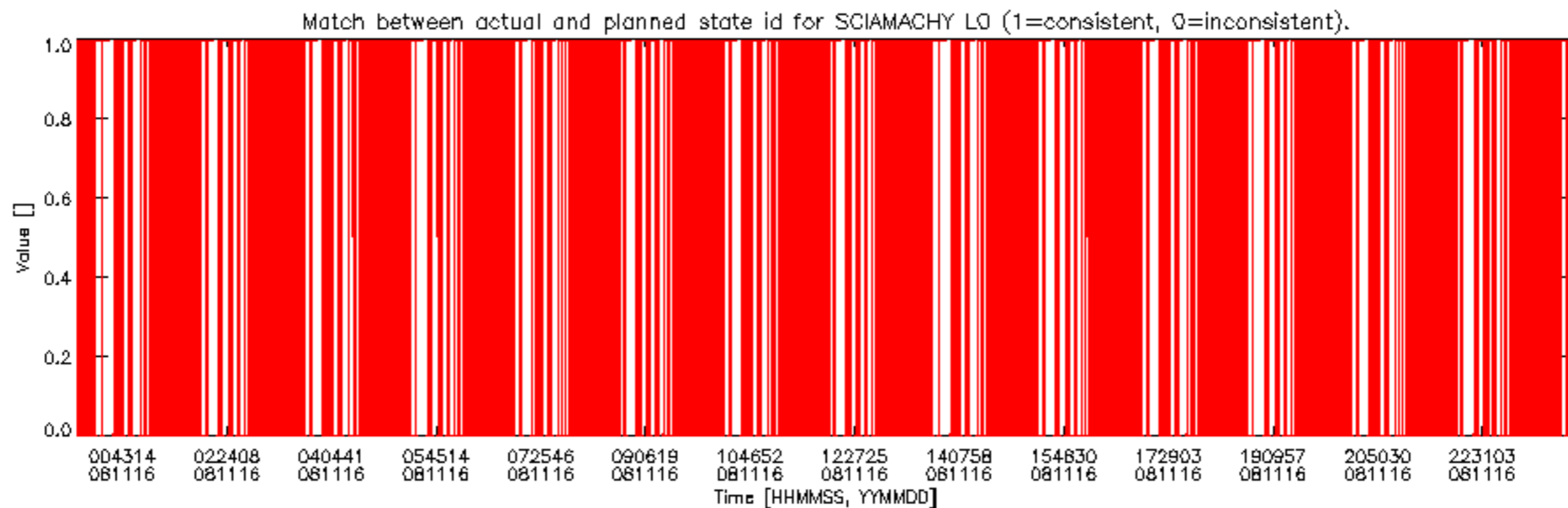
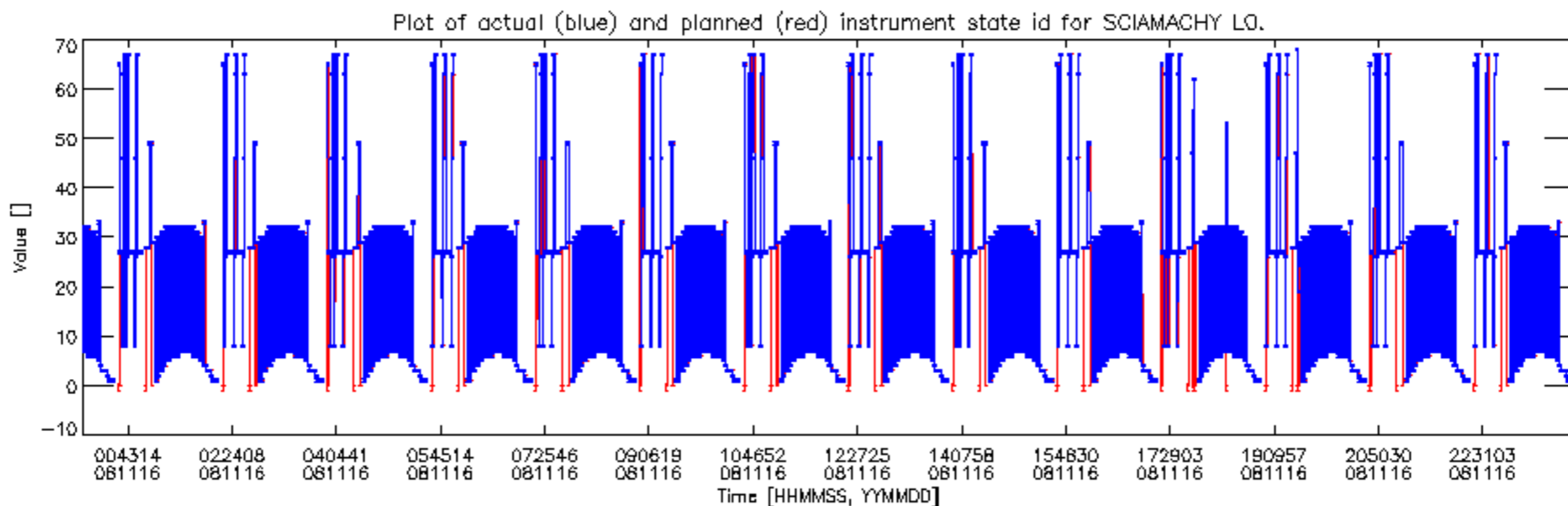












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 16NOV2008.  
 A medium gray color indicates the time span of available SCI\_NL\_1P products for this day.  
 The remaining colours indicate planned activities and/or special measurements.  
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

