

## 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	14NOV2008 05:54:22
Data source version	KSPT_L0/4303-N
Processing scope for products	10NOV2008 00:00:00 to 11NOV2008 00:00:00
Start time of first product within scope	09NOV2008 22:41:57
Stop time of last product within scope	11NOV2008 01:26:21
Total number of level 0 products	17
Number of level 0 products with errors	0

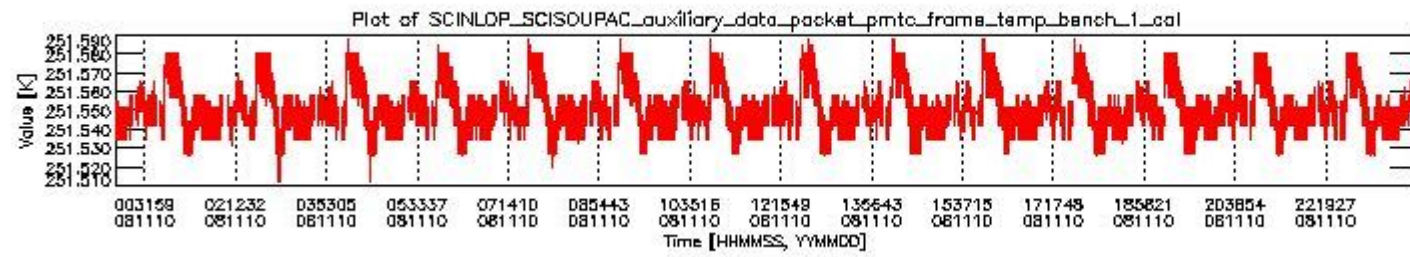
### 0.1.2 Summary per product

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

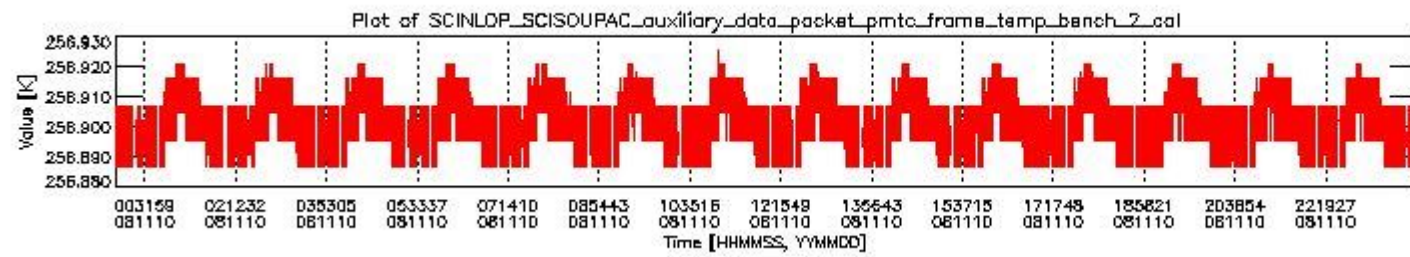
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081109_224157_000056882073_00387_35010_7875.N1	09NOV2008 22:41:57	10NOV2008 00:16:44	0	0	0	0	0
1	SCI_NL__OPNPDE20081110_002233_000056752073_00388_35011_7876.N1	10NOV2008 00:22:33	10NOV2008 01:57:08	0	0	0	0	0
2	SCI_NL__OPNPDE20081110_015708_000047972073_00389_35012_7877.N1	10NOV2008 01:57:08	10NOV2008 03:17:05	0	0	0	0	0
3	SCI_NL__OPNPDE20081110_031609_000058992073_00390_35013_7878.N1	10NOV2008 03:16:09	10NOV2008 04:54:28	0	0	0	0	0
4	SCI_NL__OPNPDE20081110_045332_000060362073_00391_35014_7879.N1	10NOV2008 04:53:32	10NOV2008 06:34:09	0	0	0	0	0
5	SCI_NL__OPNPDK20081110_063409_000041012073_00392_35015_9890.N1	10NOV2008 06:34:09	10NOV2008 07:42:30	0	0	0	0	0
6	SCI_NL__OPNPDK20081110_074134_000060362073_00393_35016_9891.N1	10NOV2008 07:41:34	10NOV2008 09:22:10	0	0	0	0	0
7	SCI_NL__OPNPDK20081110_092210_000060362073_00394_35017_9892.N1	10NOV2008 09:22:10	10NOV2008 11:02:47	0	0	0	0	0
8	SCI_NL__OPNPDK20081110_110042_000060362073_00395_35018_9893.N1	10NOV2008 11:00:42	10NOV2008 12:41:18	0	0	0	0	0
9	SCI_NL__OPNPDK20081110_124023_000060362073_00396_35019_9894.N1	10NOV2008 12:40:23	10NOV2008 14:20:59	0	0	0	0	0
10	SCI_NL__OPNPDK20081110_141907_000058982073_00397_35020_9895.N1	10NOV2008 14:19:07	10NOV2008 15:57:26	0	0	0	0	0
11	SCI_NL__OPNPDK20081110_155726_000059792073_00398_35021_9896.N1	10NOV2008 15:57:26	10NOV2008 17:37:05	0	0	0	0	0
12	SCI_NL__OPNPDK20081110_173513_000056842073_00399_35022_9897.N1	10NOV2008 17:35:13	10NOV2008 19:09:57	0	0	0	0	0
13	SCI_NL__OPNPDK20081110_190957_000060762073_00400_35023_9898.N1	10NOV2008 19:09:57	10NOV2008 20:51:13	0	0	0	0	0
14	SCI_NL__OPNPDE20081110_205530_000042382073_00401_35024_7880.N1	10NOV2008 20:55:30	10NOV2008 22:06:08	0	0	0	0	0
15	SCI_NL__OPNPDE20081110_220608_000060412073_00401_35024_7881.N1	10NOV2008 22:06:08	10NOV2008 23:46:49	0	0	0	0	0
16	SCI_NL__OPNPDE20081110_235101_000057202073_00402_35025_7882.N1	10NOV2008 23:51:01	11NOV2008 01:26:21	0	0	0	0	0

## 0.2 Product Quality Indicators

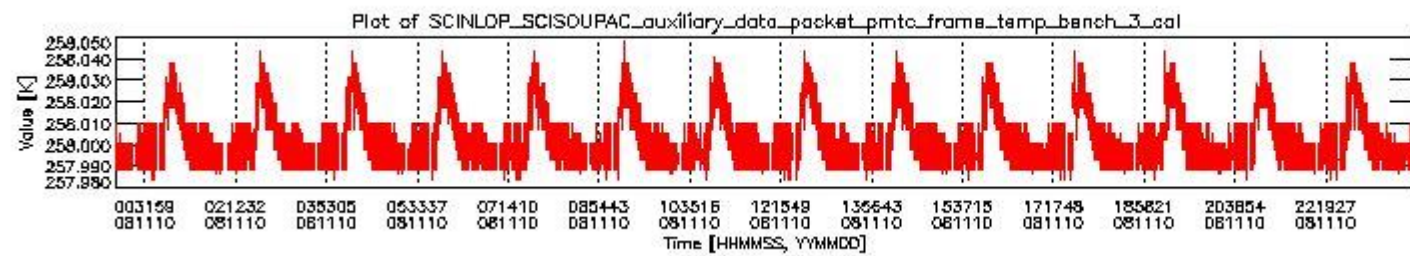
This section shows information about product quality, currently temperatures.



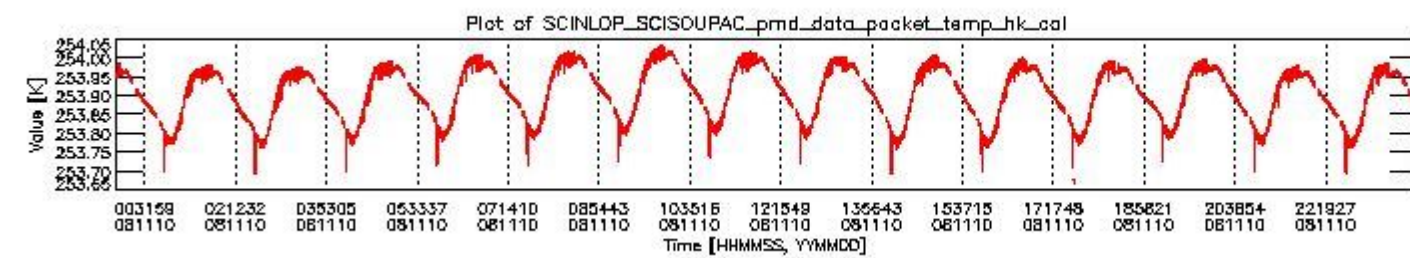
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081110\_0.PNG



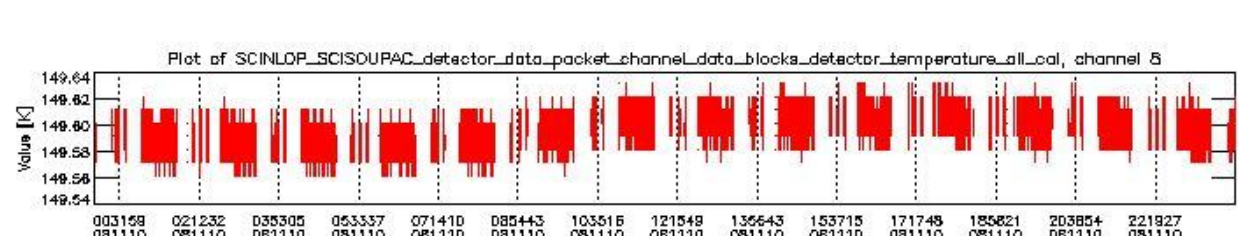
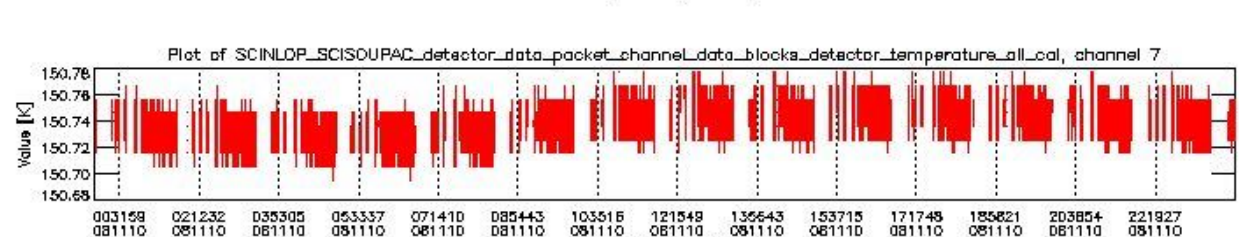
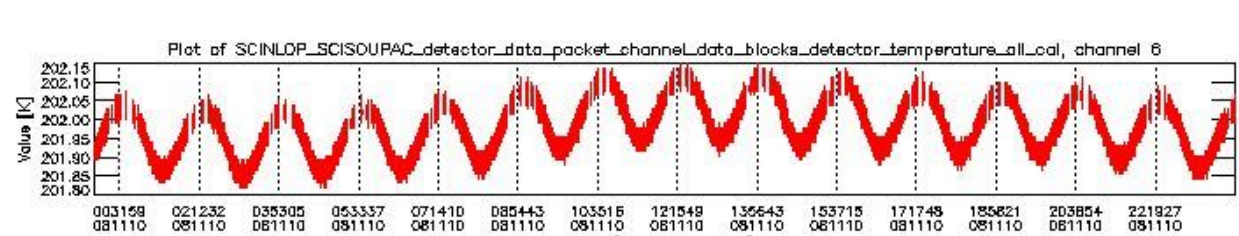
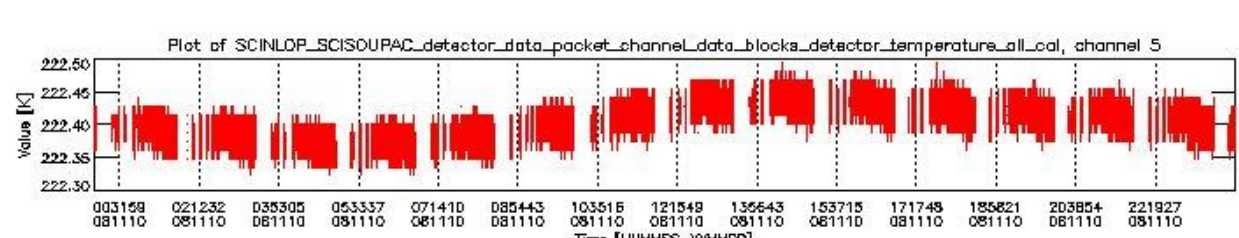
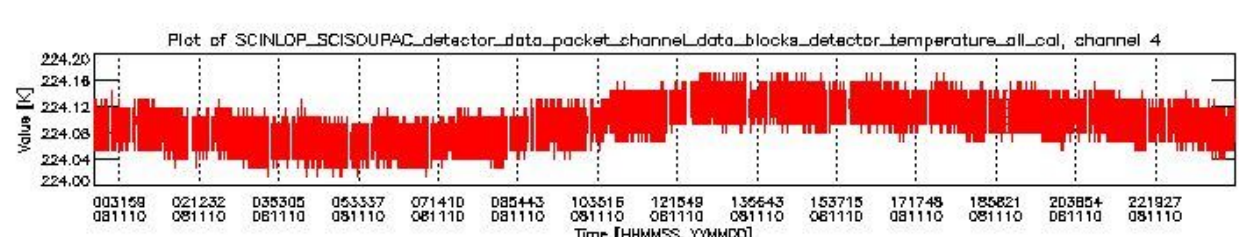
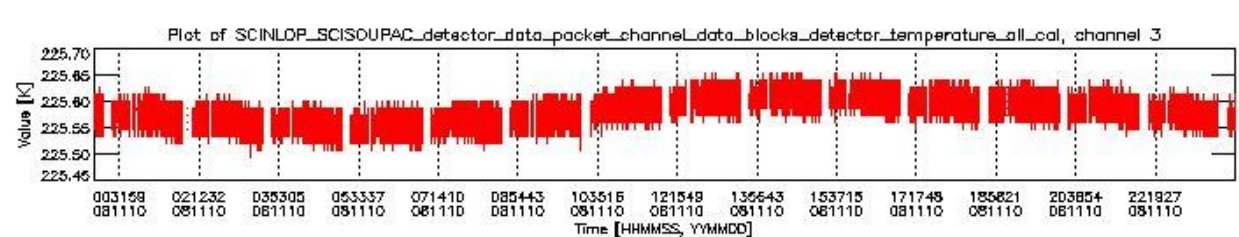
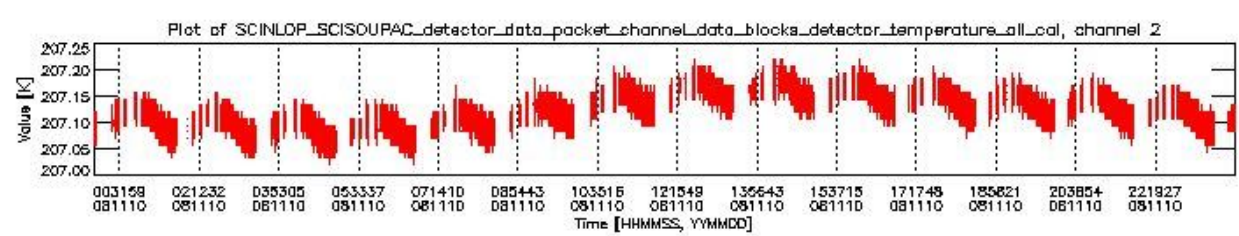
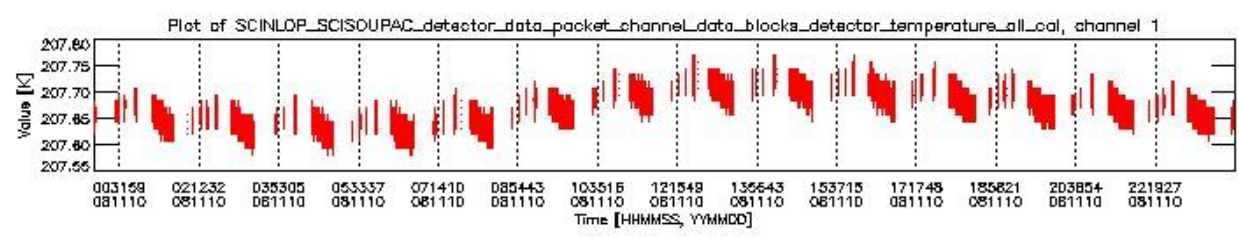
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081110\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081110\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081110\_3.PNG

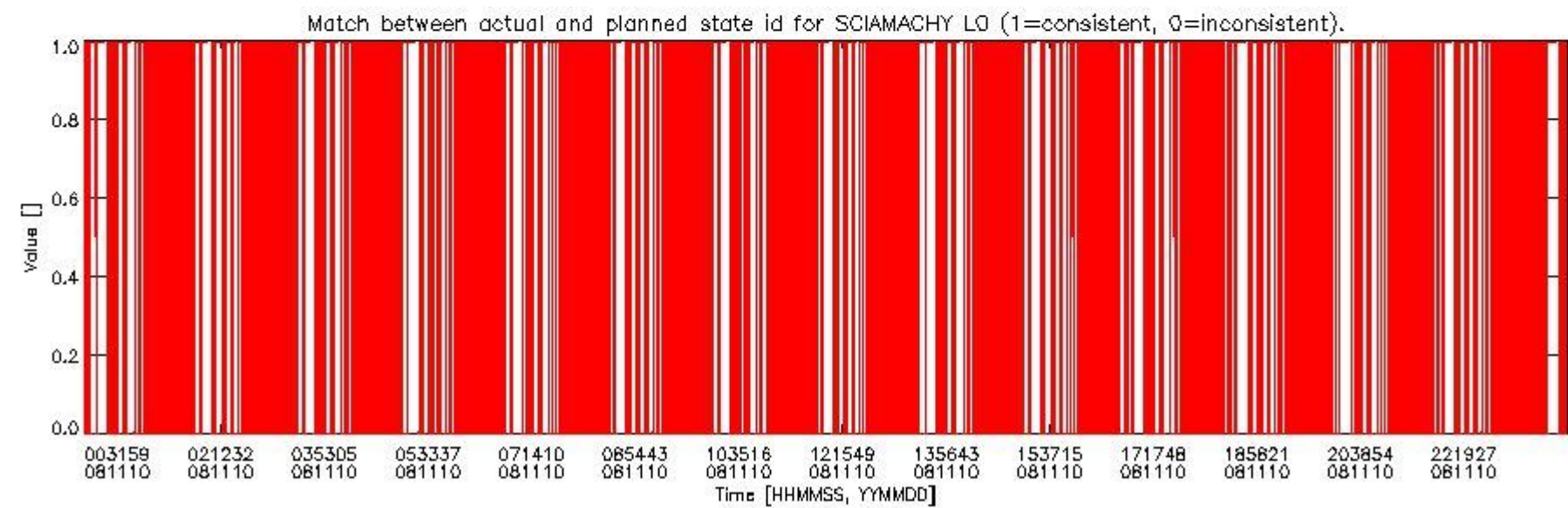
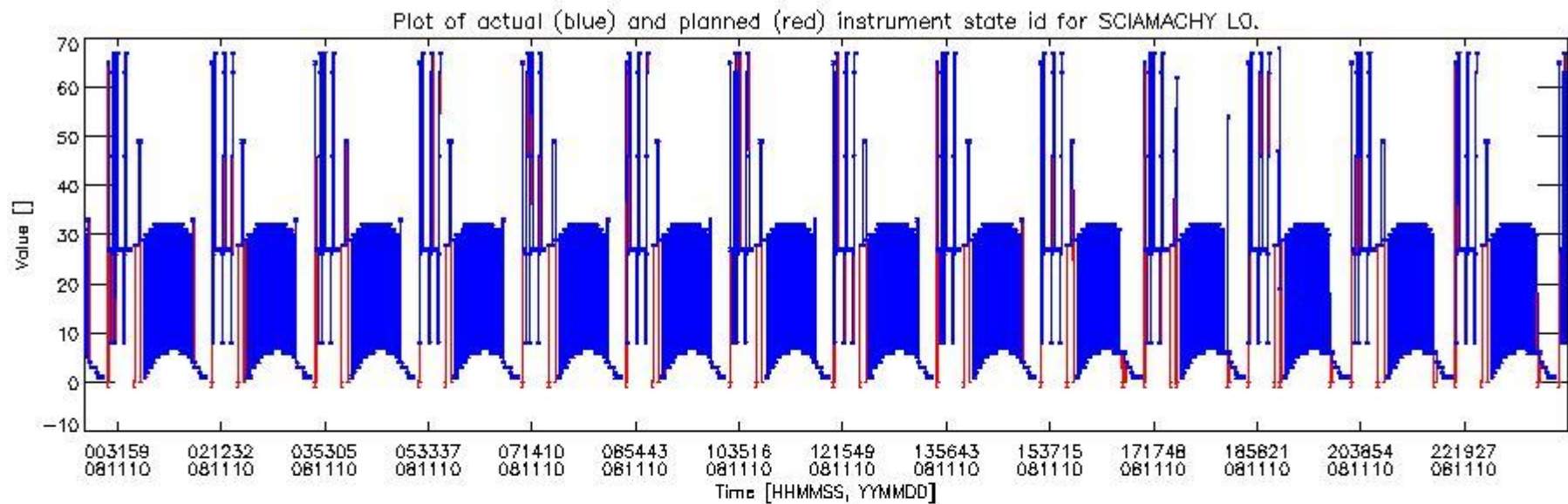


### 0.3 State monitoring

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: **54555**

#	Actual time	Actual value	Planned time	Planned value
0	10NOV2008 00:00:01.888986	6	10NOV2008 00:00:01.888986	31
1	10NOV2008 00:00:02.263999	6	10NOV2008 00:00:02.263999	31
2	10NOV2008 00:00:02.513967	6	10NOV2008 00:00:02.513967	31
3	10NOV2008 00:00:02.763976	6	10NOV2008 00:00:02.763976	31
4	10NOV2008 00:00:03.013985	6	10NOV2008 00:00:03.013985	31
5	10NOV2008 00:00:03.263994	6	10NOV2008 00:00:03.263994	31
6	10NOV2008 00:00:03.514002	6	10NOV2008 00:00:03.514002	31
7	10NOV2008 00:00:03.763971	6	10NOV2008 00:00:03.763971	31
8	10NOV2008 00:00:04.013979	6	10NOV2008 00:00:04.013979	31
9	10NOV2008 00:00:04.263988	6	10NOV2008 00:00:04.263988	31
10	10NOV2008 00:00:04.513997	6	10NOV2008 00:00:04.513997	31
11	10NOV2008 00:00:04.764006	6	10NOV2008 00:00:04.764006	31
12	10NOV2008 00:00:05.013974	6	10NOV2008 00:00:05.013974	31
13	10NOV2008 00:00:05.263983	6	10NOV2008 00:00:05.263983	31
14	10NOV2008 00:00:05.513991	6	10NOV2008 00:00:05.513991	31
15	10NOV2008 00:00:05.764000	6	10NOV2008 00:00:05.764000	31
16	10NOV2008 00:00:06.013969	6	10NOV2008 00:00:06.013969	31
17	10NOV2008 00:00:06.263977	6	10NOV2008 00:00:06.263977	31
18	10NOV2008 00:00:06.513986	6	10NOV2008 00:00:06.513986	31
19	10NOV2008 00:00:06.763995	6	10NOV2008 00:00:06.763995	31
...	...	...	...	...

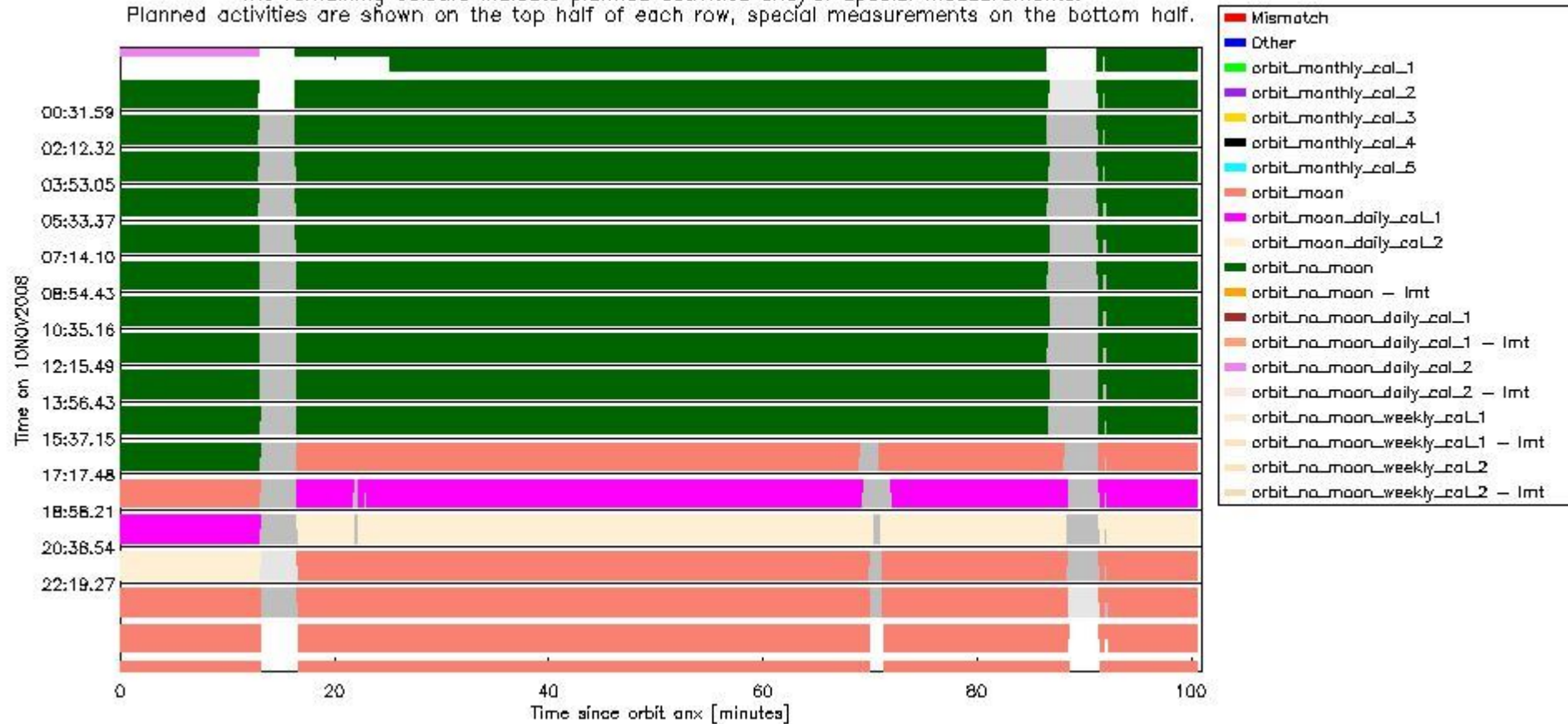


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081110\_5.PNG

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 10NOV2008.  
 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\_20081110\_6.PNG

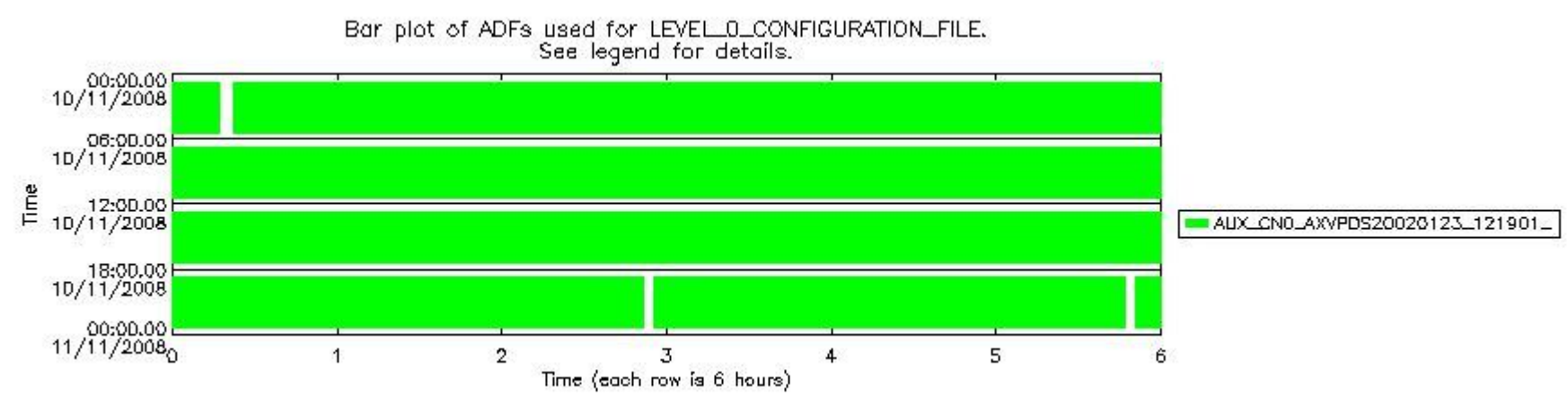
## 0.4 ADF monitoring

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

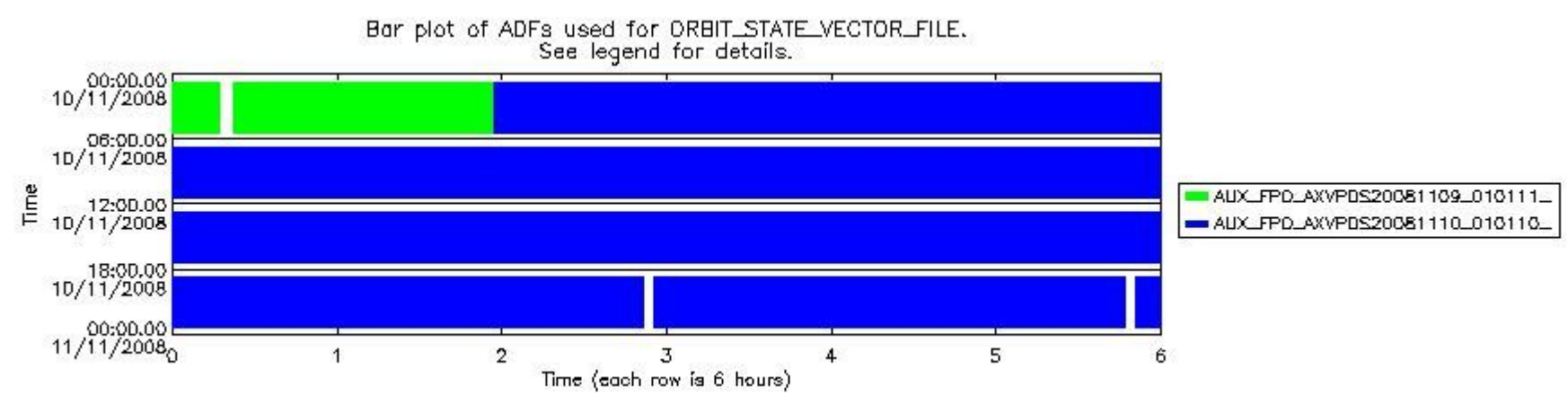
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

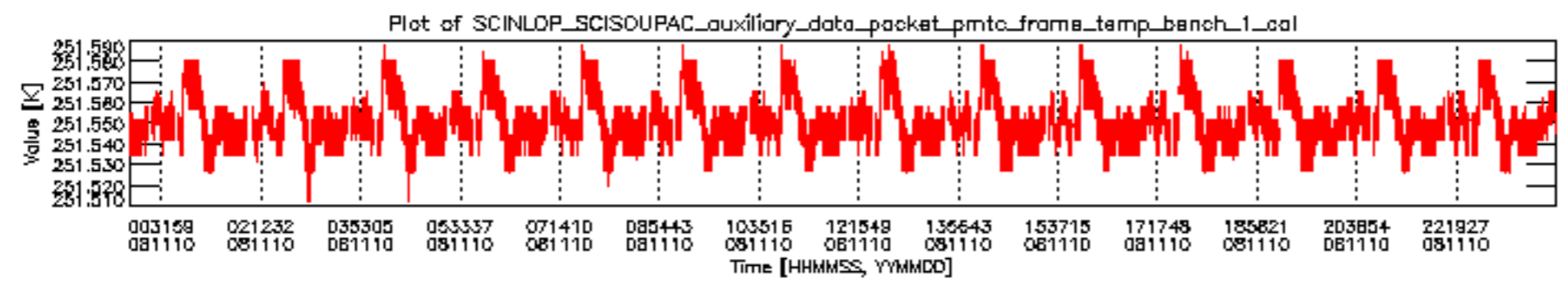
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20081109_010111_20081108_182101_20081118_212750
2	AUX_FPO_AXVPDS20081110_010110_20081109_193000_20081119_205612



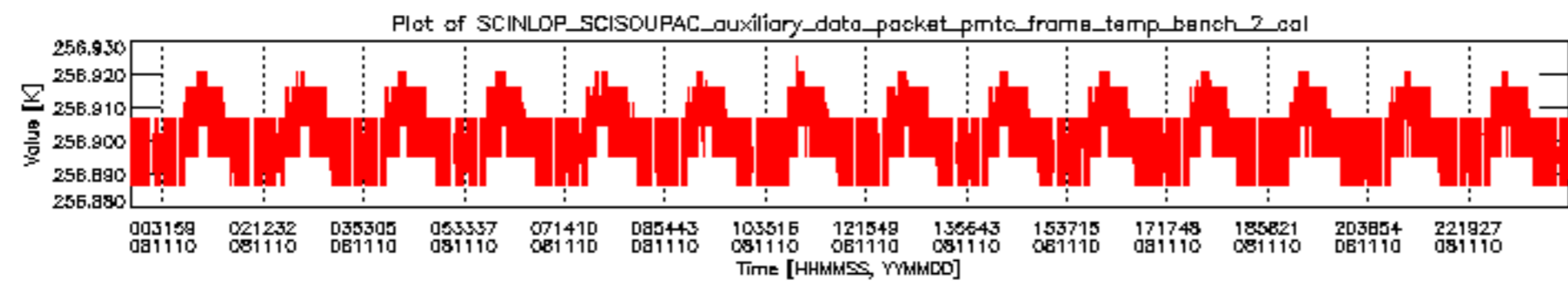
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081110\_7.PNG

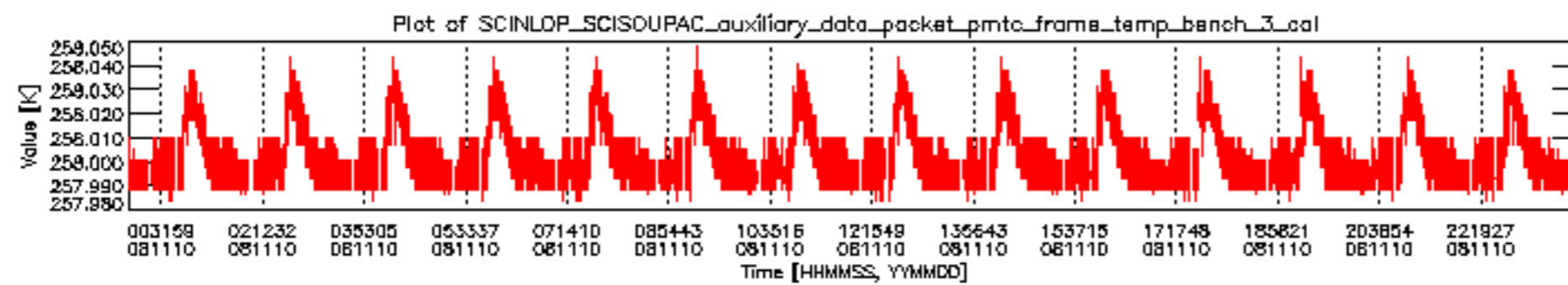


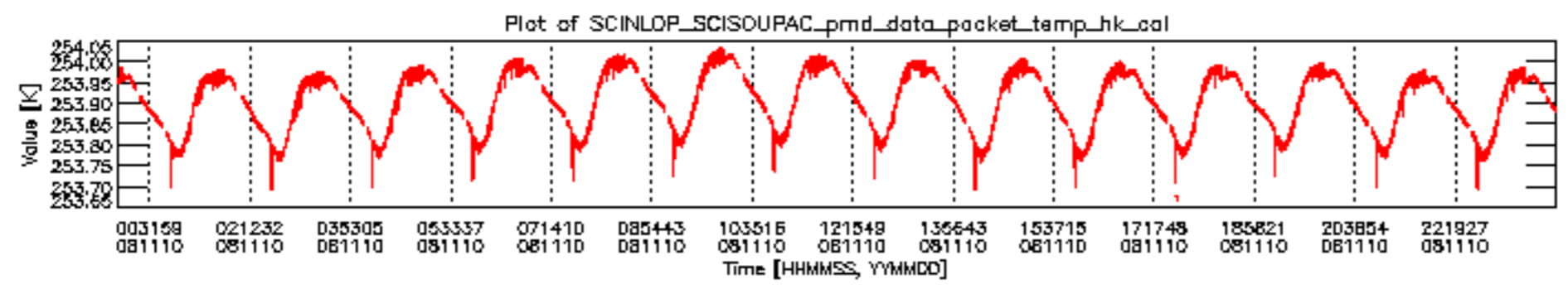
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081110\_8.PNG

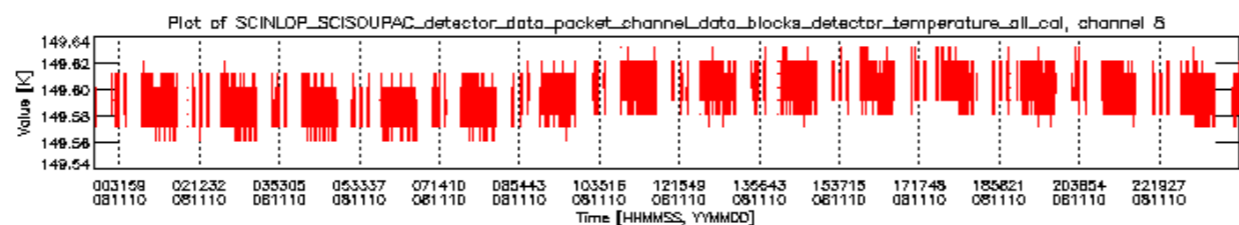
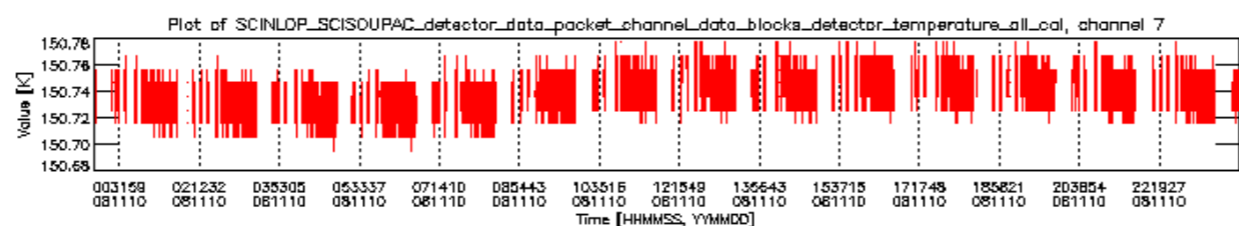
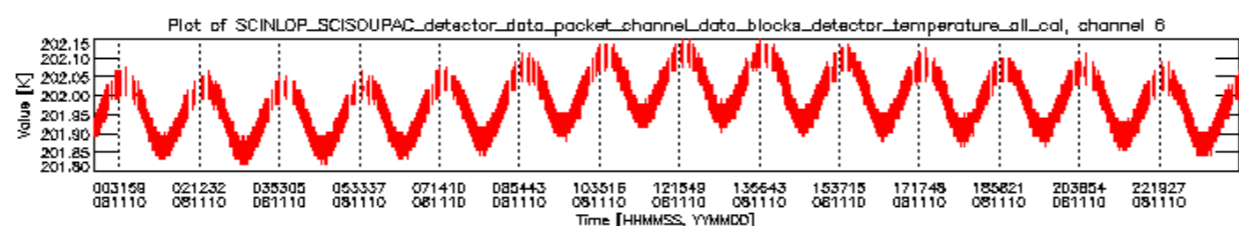
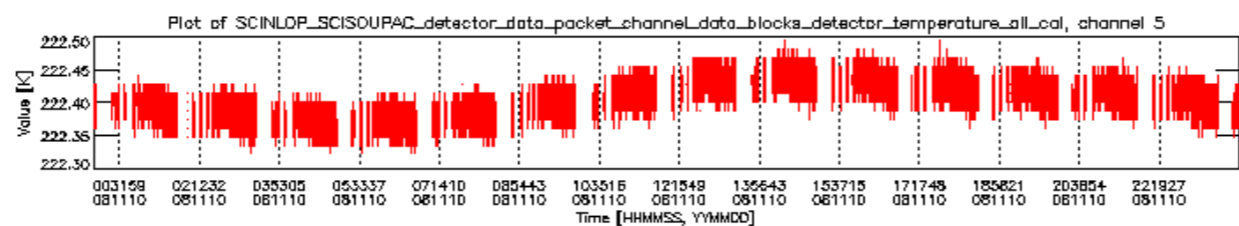
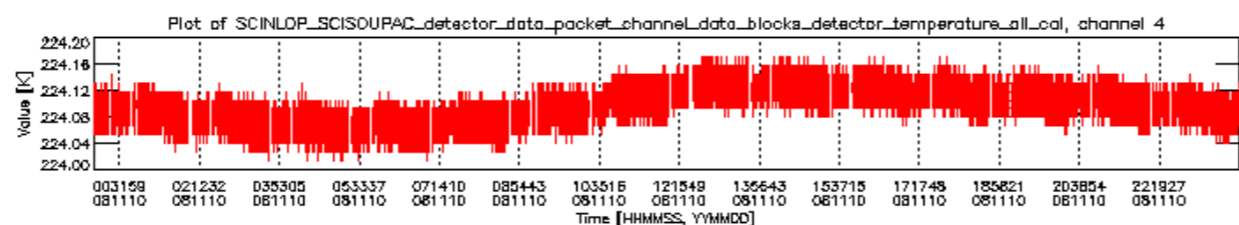
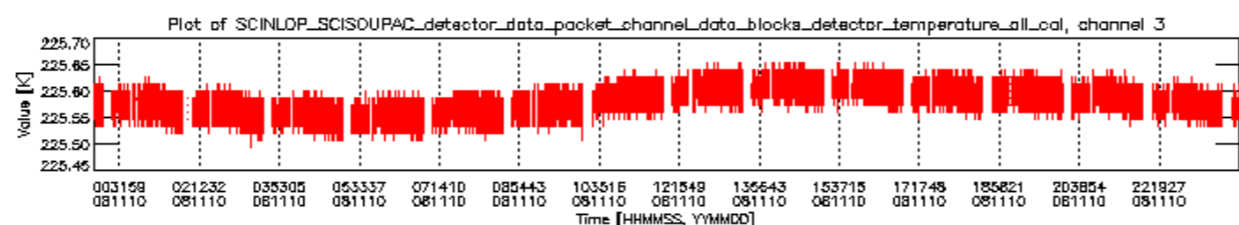
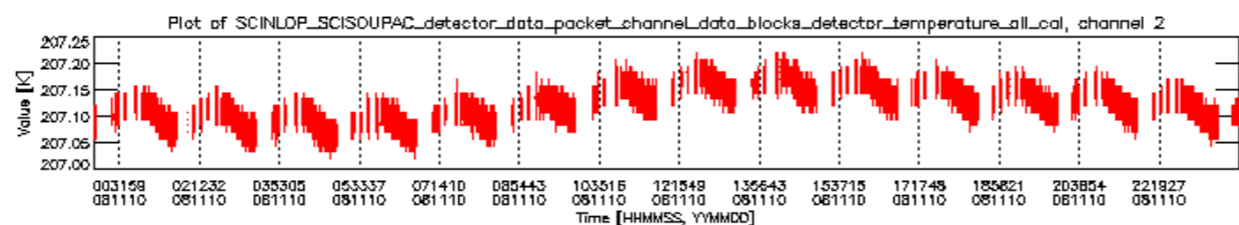
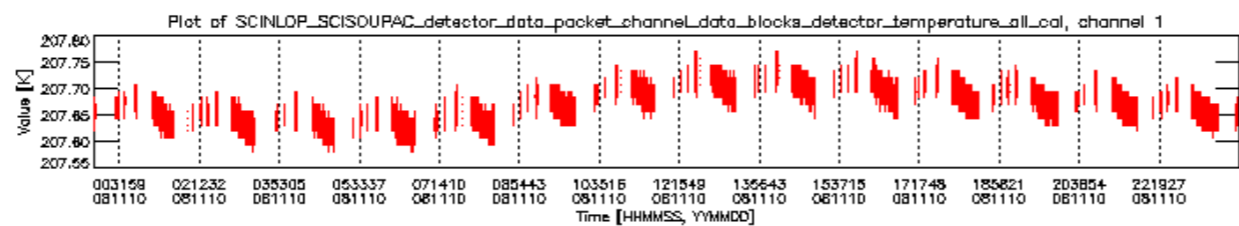


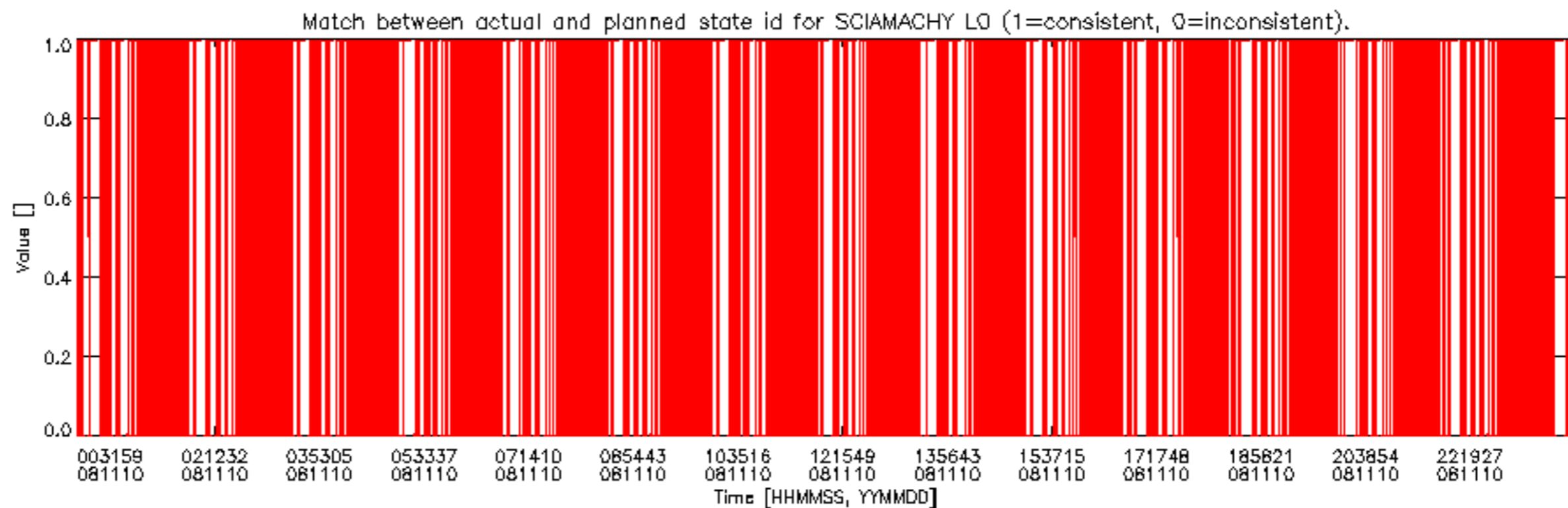
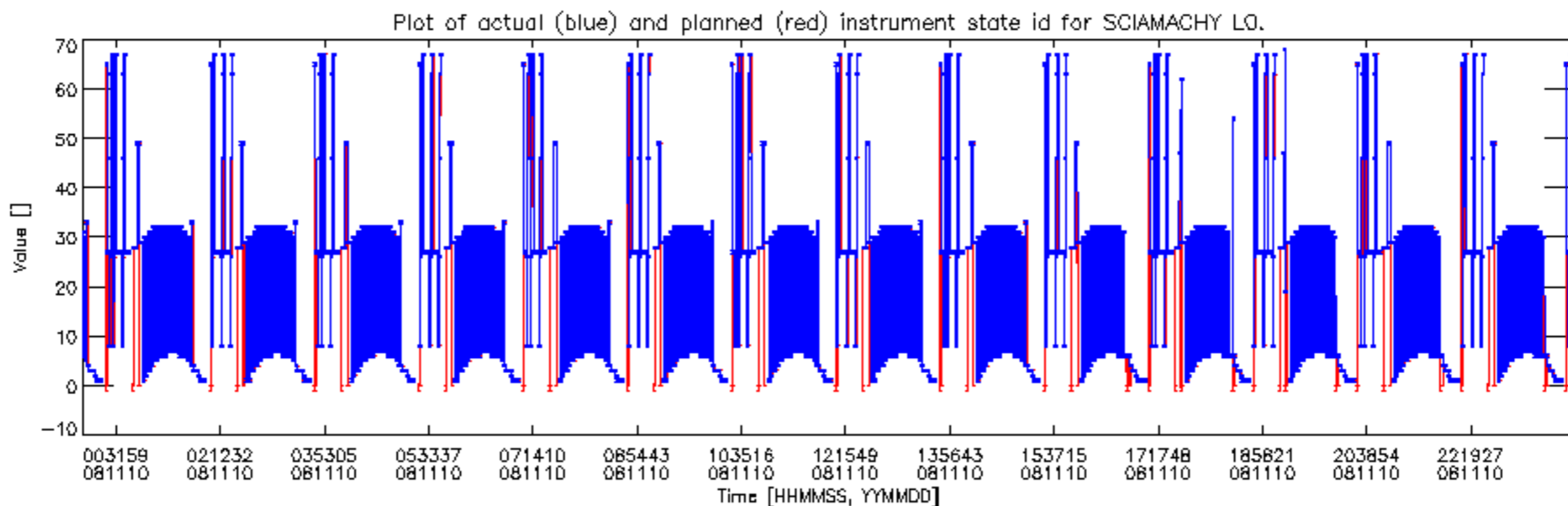












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 10NOV2008.  
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