

# 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	13NOV2006 04:29:21
Data source version	PFHS/5.37-N
Processing scope for products	09NOV2006 00:00:00 to 10NOV2006 00:00:00
Start time of first product within scope	09NOV2006 06:04:43
Stop time of last product within scope	09NOV2006 22:45:40
Total number of level 0 products	10
Number of level 0 products with errors	10

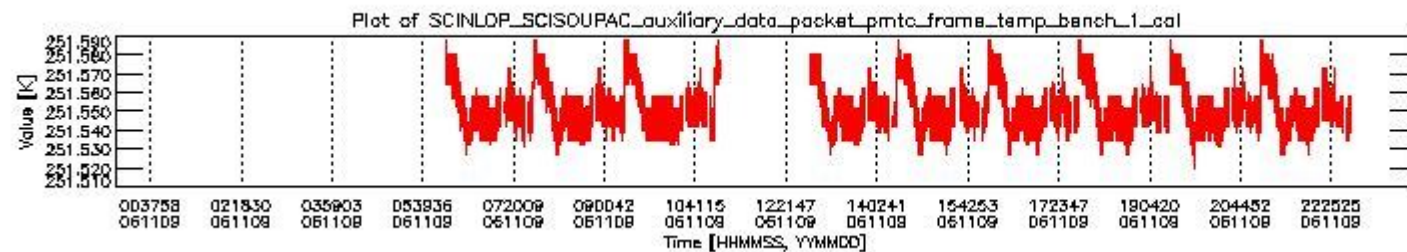
### 0.1.2 Summary per product

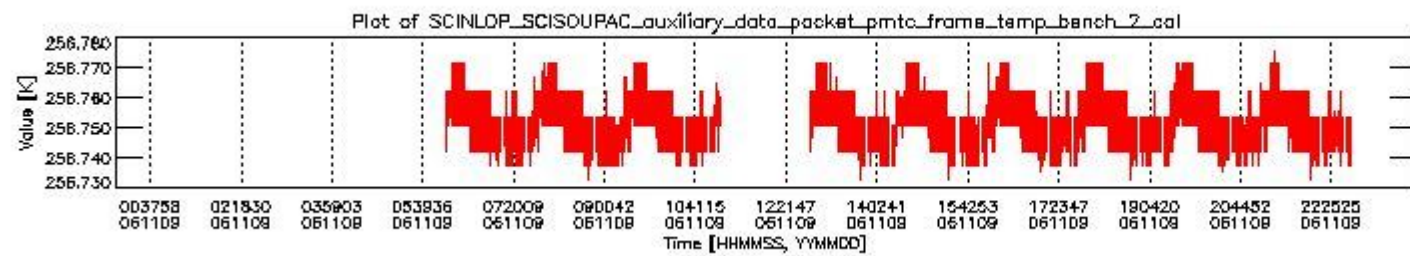
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20061109_060443_000063532052_00435_24537_1294.N1	09NOV2006 06:04:43	09NOV2006 07:50:37	1	0	1	0	0
1	SCI_NL__0PNPDK20061109_074928_000059672052_00436_24538_1295.N1	09NOV2006 07:49:28	09NOV2006 09:28:56	1	0	1	0	0
2	SCI_NL__0PNPDK20061109_092800_000060362052_00437_24539_1296.N1	09NOV2006 09:28:00	09NOV2006 11:08:36	1	0	1	0	0
3	SCI_NL__0PNPDK20061109_110740_000060922052_00438_24540_1297.N1	09NOV2006 11:07:40	09NOV2006 12:49:12	1	0	1	0	0
4	SCI_NL__0PNPDK20061109_124804_000059802052_00439_24541_1298.N1	09NOV2006 12:48:04	09NOV2006 14:27:44	1	0	1	0	0
5	SCI_NL__0PNPDK20061109_142648_000057862052_00440_24542_1299.N1	09NOV2006 14:26:48	09NOV2006 16:03:15	1	0	1	0	0
6	SCI_NL__0PNPDK20061109_160315_000059232052_00441_24543_1300.N1	09NOV2006 16:03:15	09NOV2006 17:41:59	1	0	1	0	0
7	SCI_NL__0PNPDK20061109_174103_000059802052_00442_24544_1301.N1	09NOV2006 17:41:03	09NOV2006 19:20:43	1	0	1	0	0
8	SCI_NL__0PNPDK20061109_192043_000060922052_00443_24545_1302.N1	09NOV2006 19:20:43	09NOV2006 21:02:15	1	0	1	0	0
9	SCI_NL__0PNPDK20061109_210120_000062602052_00444_24546_1303.N1	09NOV2006 21:01:20	09NOV2006 22:45:40	1	0	1	0	0

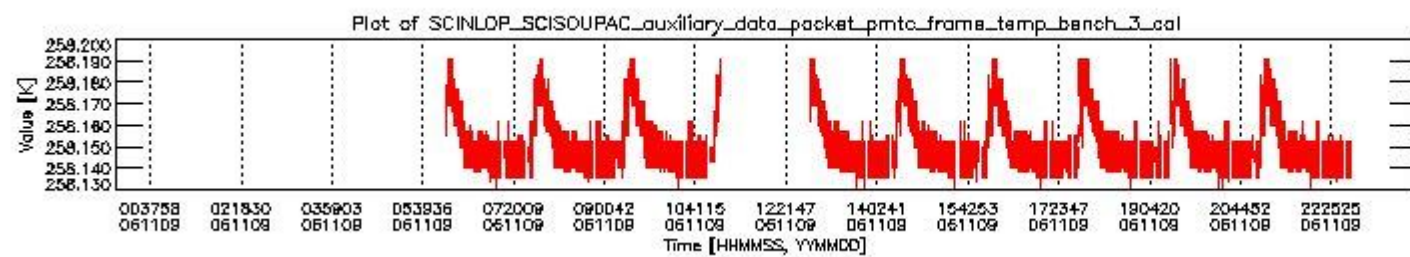
## 0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

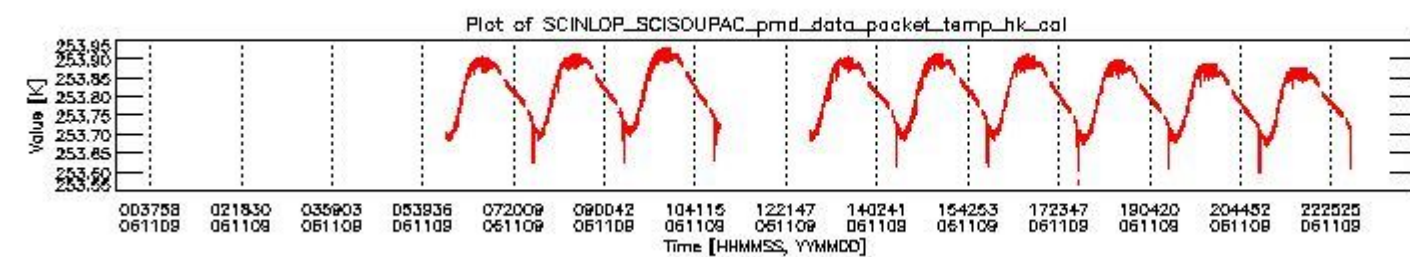




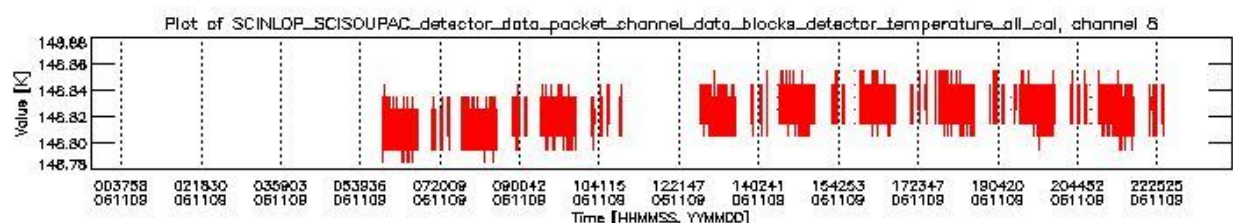
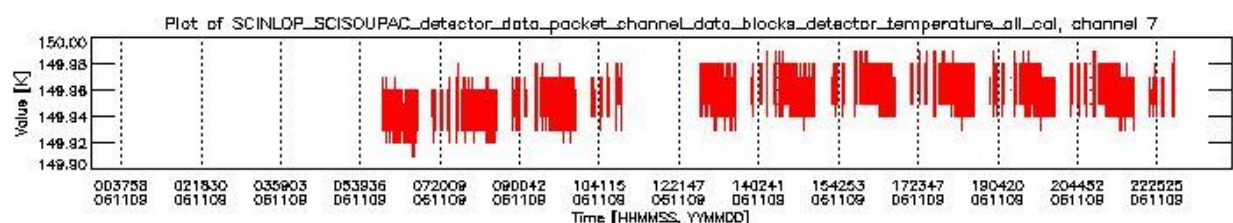
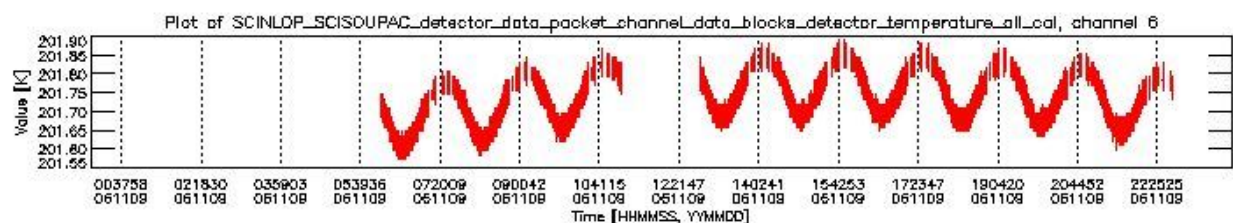
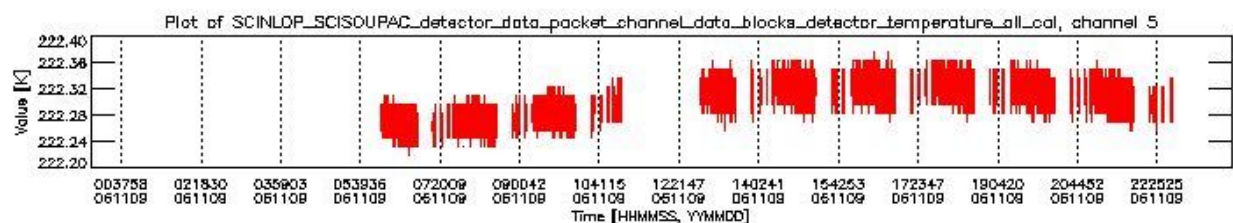
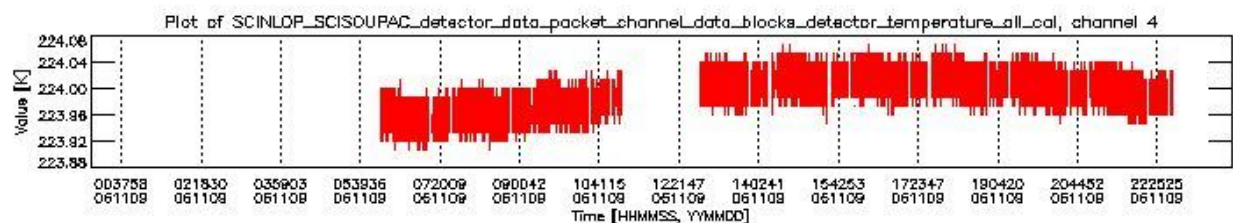
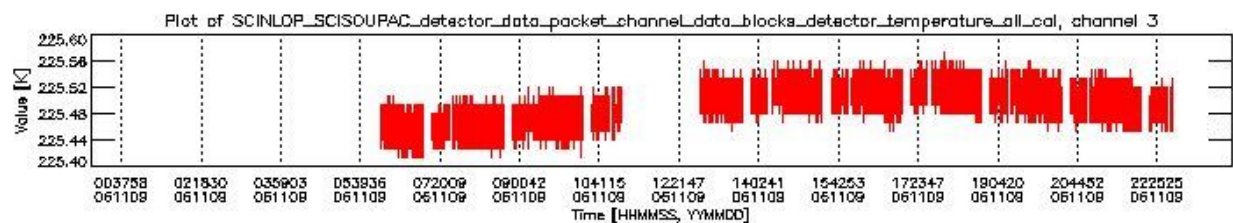
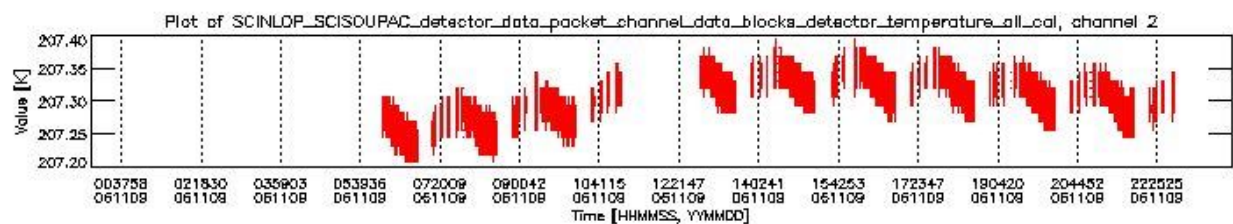
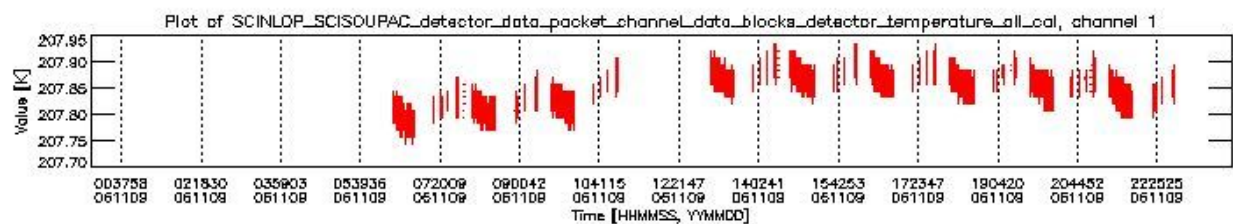
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20061109\_1.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20061109\_2.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20061109\_3.PNG



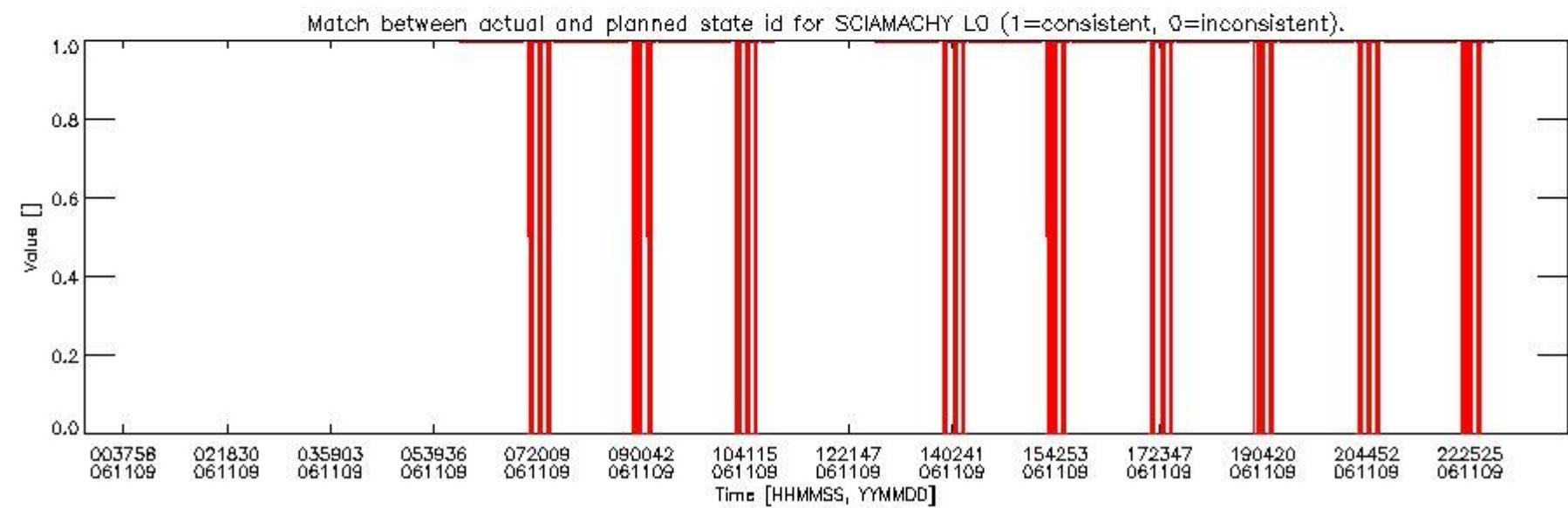
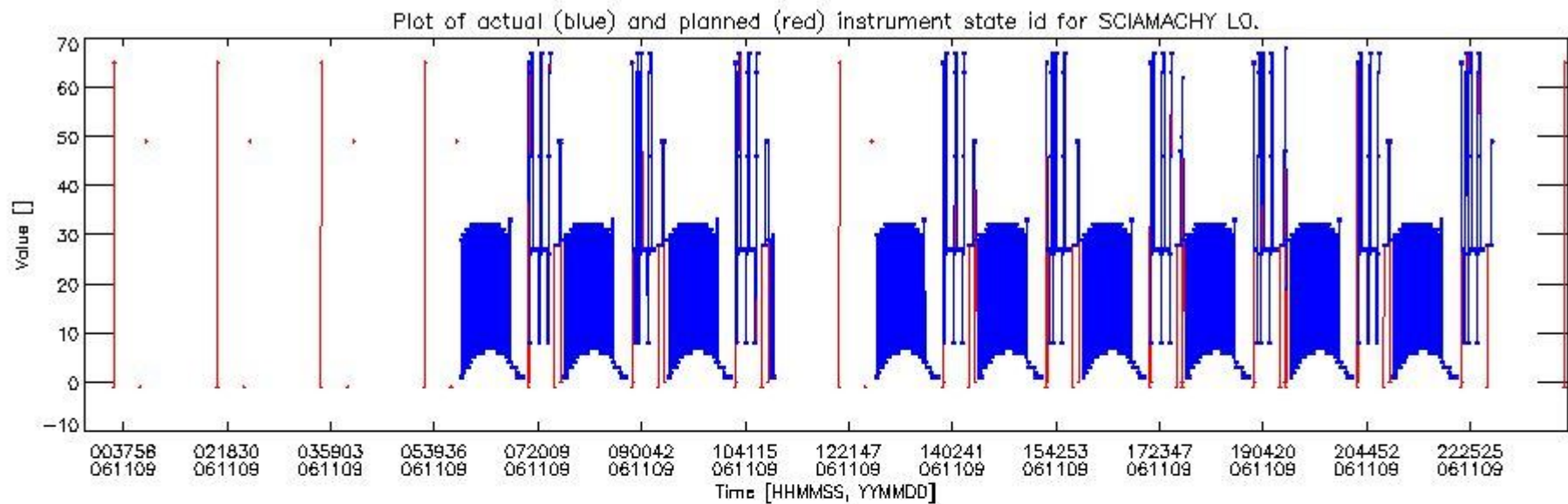


### 0.3 State monitoring

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: **175**

#	Actual time	Actual value	Planned time	Planned value
0	09NOV2006 07:11:31.200221	8	09NOV2006 07:11:31.200221	0
1	09NOV2006 07:12:14.758826	26	09NOV2006 07:12:14.758826	8
2	09NOV2006 07:12:48.317404	46	09NOV2006 07:12:48.317404	26
3	09NOV2006 07:13:01.876011	63	09NOV2006 07:13:01.876011	46
4	09NOV2006 07:13:35.430687	67	09NOV2006 07:13:35.430687	63
5	09NOV2006 07:14:58.993179	27	09NOV2006 07:14:58.993179	67
6	09NOV2006 07:20:51.465820	8	09NOV2006 07:20:51.465820	27
7	09NOV2006 07:21:35.024385	26	09NOV2006 07:21:35.024385	8
8	09NOV2006 07:22:08.583004	46	09NOV2006 07:22:08.583004	26
9	09NOV2006 07:22:22.141570	63	09NOV2006 07:22:22.141570	46
10	09NOV2006 07:22:55.700189	67	09NOV2006 07:22:55.700189	63
11	09NOV2006 07:24:19.262681	27	09NOV2006 07:24:19.262681	67
12	09NOV2006 07:29:27.668894	8	09NOV2006 07:29:27.668894	27
13	09NOV2006 07:30:11.231402	26	09NOV2006 07:30:11.231402	8
14	09NOV2006 07:30:44.789980	46	09NOV2006 07:30:44.789980	26
15	09NOV2006 07:30:58.344685	63	09NOV2006 07:30:58.344685	46
16	09NOV2006 07:31:31.907166	67	09NOV2006 07:31:31.907166	63
17	09NOV2006 08:52:07.477236	27	09NOV2006 08:52:07.477236	0
18	09NOV2006 08:54:19.656925	8	09NOV2006 08:54:19.656925	27
19	09NOV2006 08:55:03.211588	26	09NOV2006 08:55:03.211588	8
	...	...	...	...

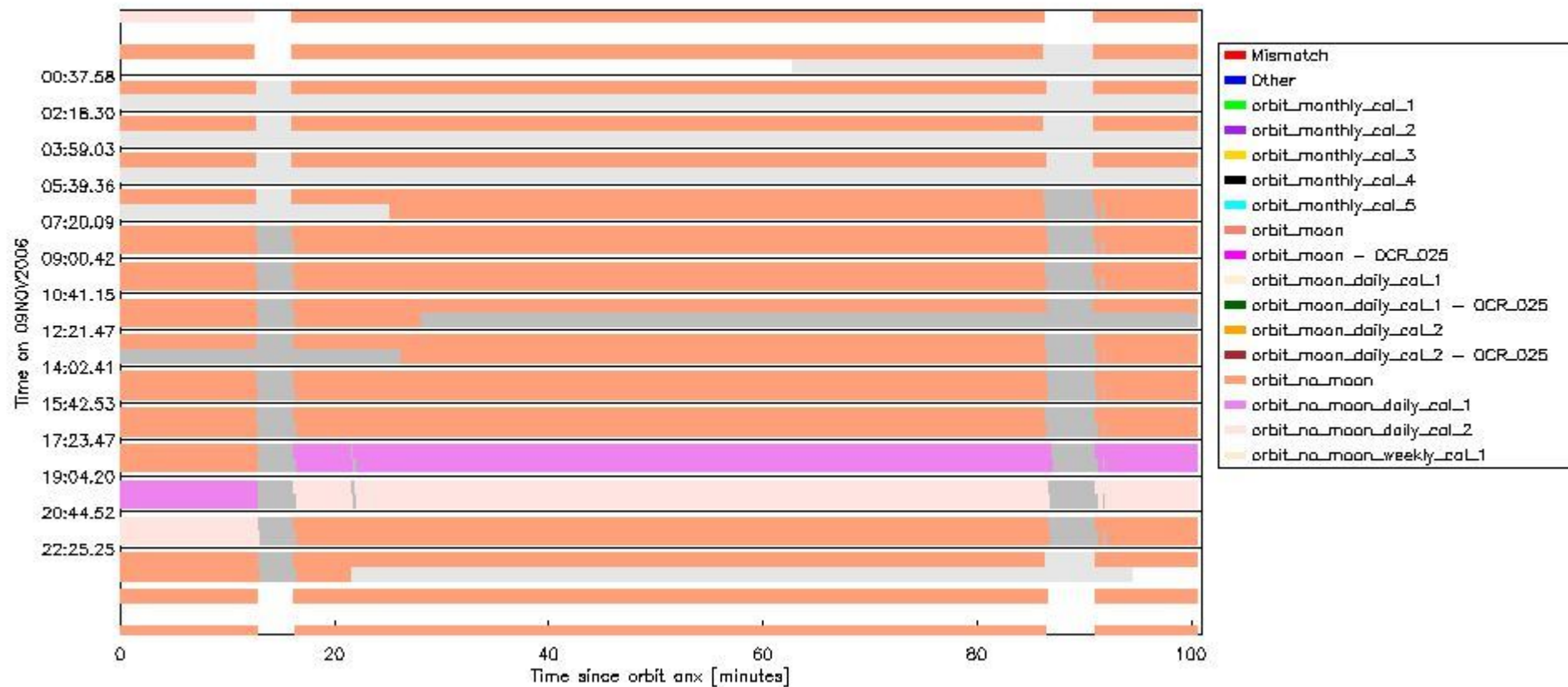


sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20061109\_5.PNG

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 09NOV2006.  
 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\_20061109\_6.PNG

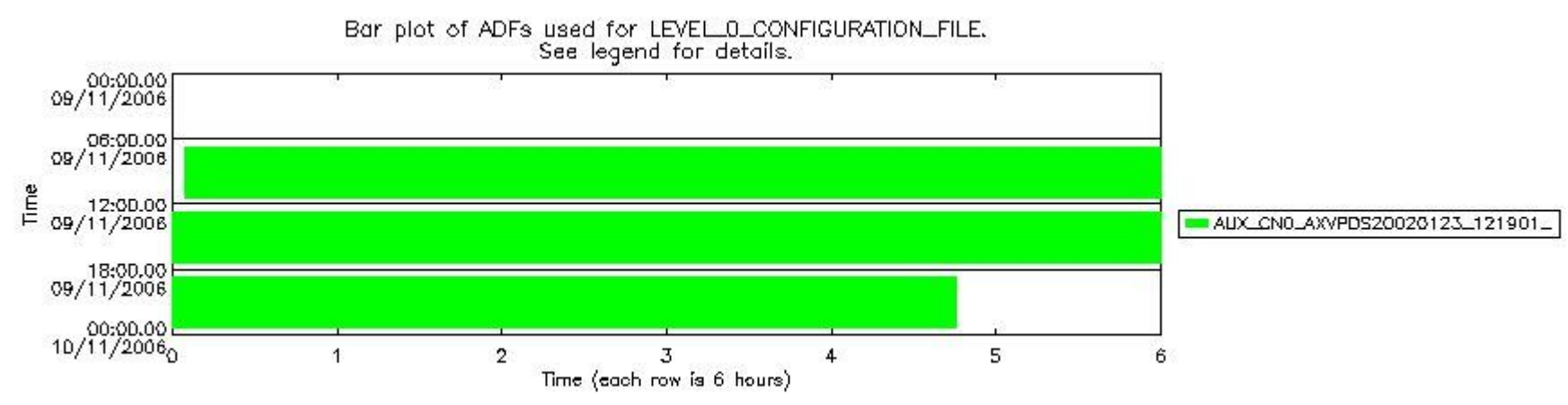
## 0.4 ADF monitoring

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

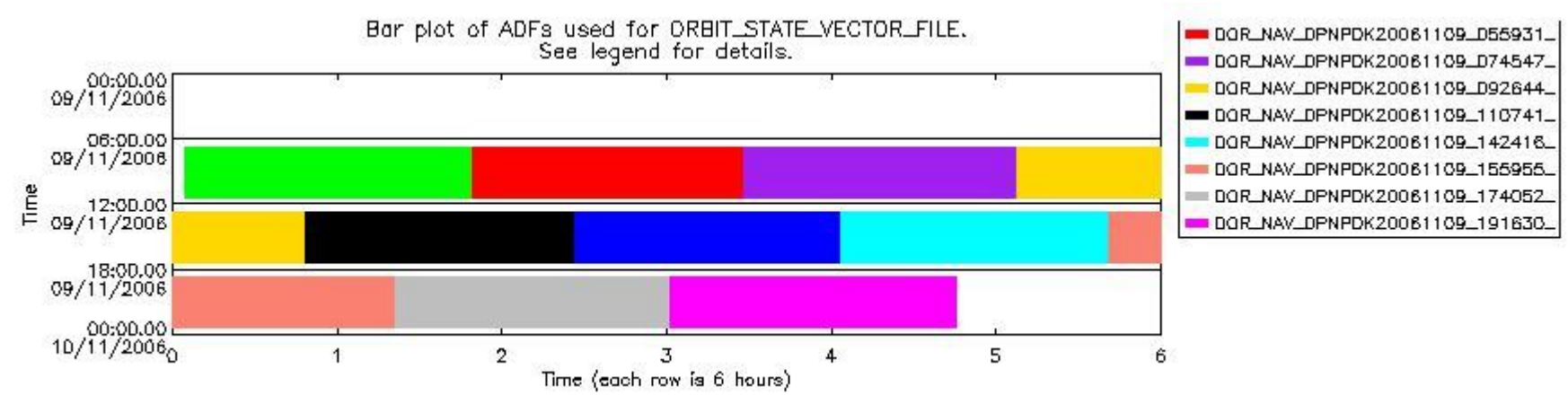
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

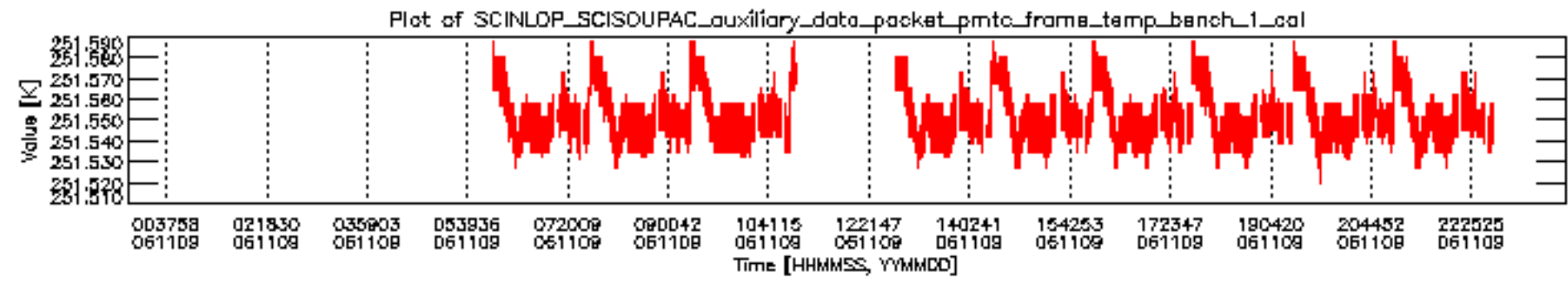
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20061107_233951_20061107_182658_20061117_213346
2	AUX_FPO_AXVPDS20061109_122657_20061108_193557_20061118_210210
3	DOR_NAV_OPNPDK20061109_055931_000060572052_00435_24537_1349.N1
4	DOR_NAV_OPNPDK20061109_074547_000057382052_00436_24538_1350.N1
5	DOR_NAV_OPNPDK20061109_092644_000057382052_00437_24539_1351.N1
6	DOR_NAV_OPNPDK20061109_110741_000057382052_00438_24540_1352.N1
7	DOR_NAV_OPNPDK20061109_142416_000054192052_00440_24542_1354.N1
8	DOR_NAV_OPNPDK20061109_155955_000057382052_00441_24543_1355.N1
9	DOR_NAV_OPNPDK20061109_174052_000054192052_00442_24544_1356.N1
10	DOR_NAV_OPNPDK20061109_191630_000057382052_00443_24545_1357.N1



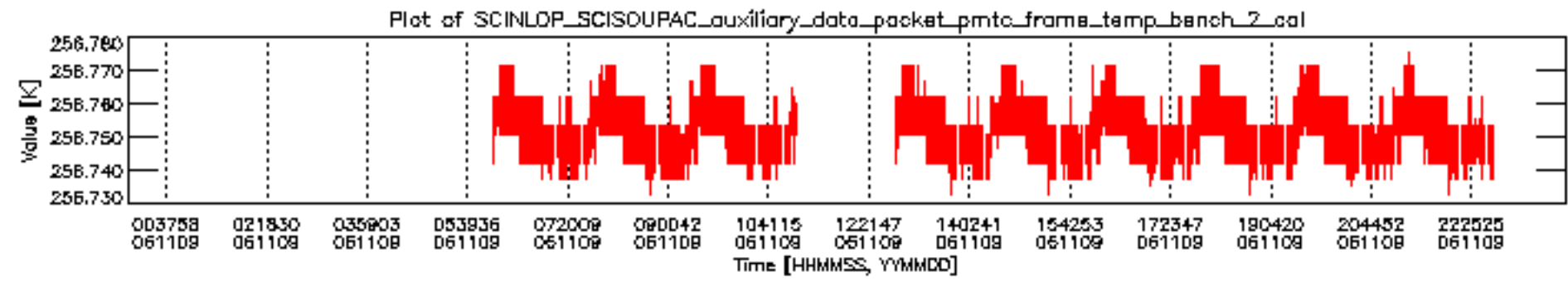
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20061109\_7.PNG

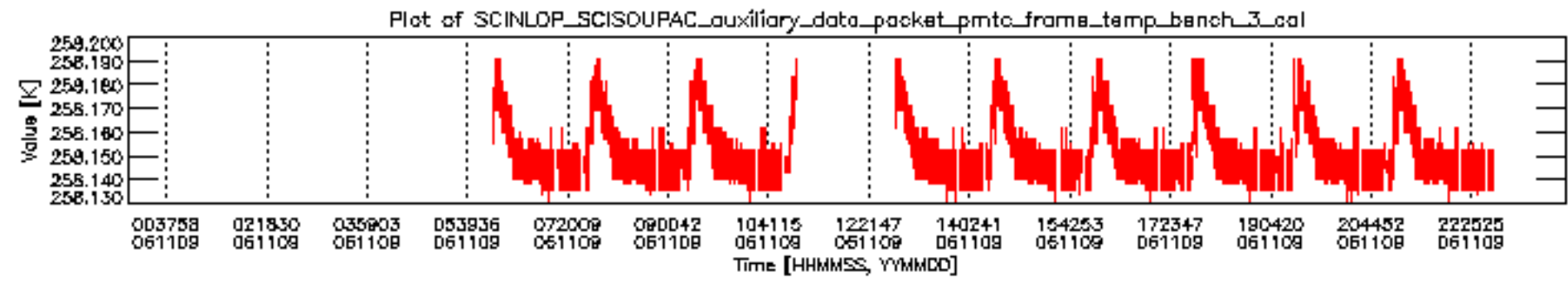


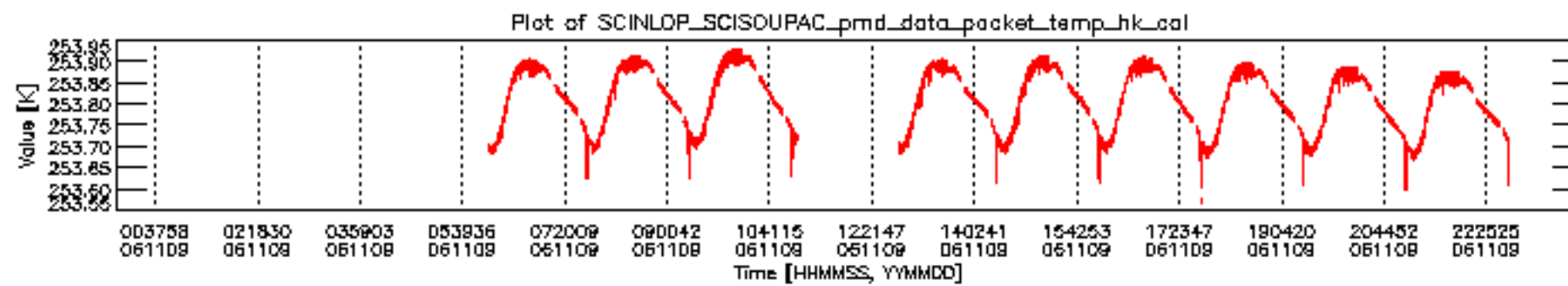
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20061109\_8.PNG

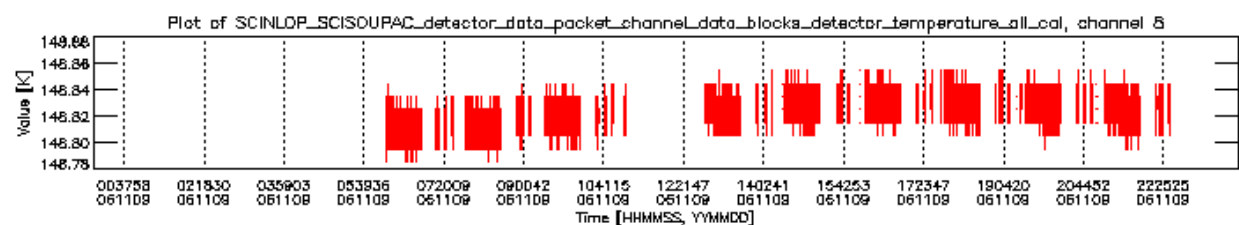
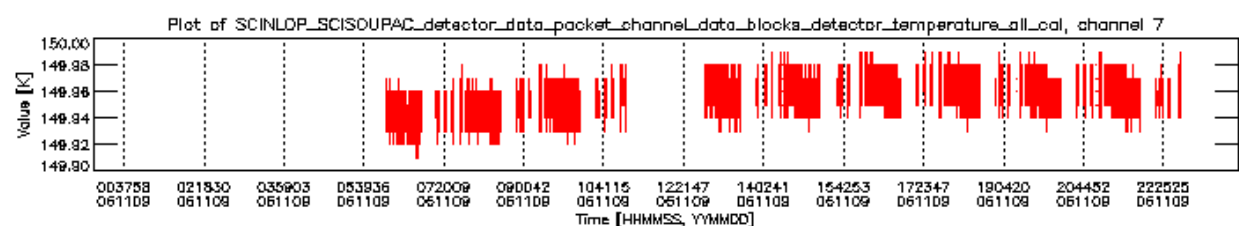
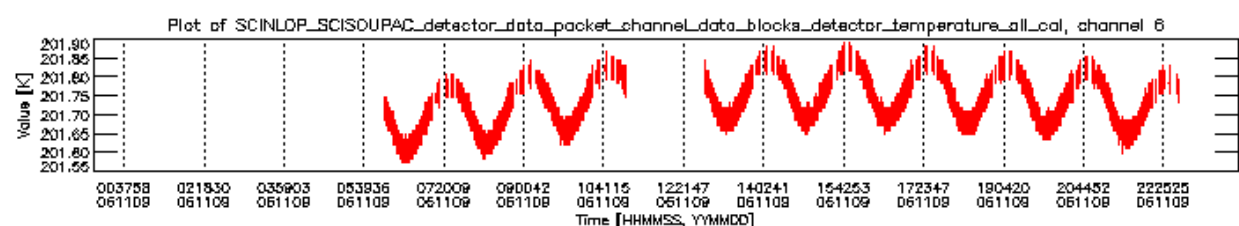
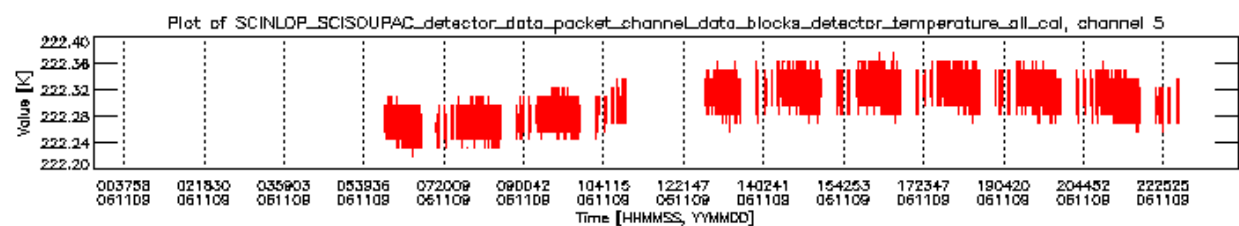
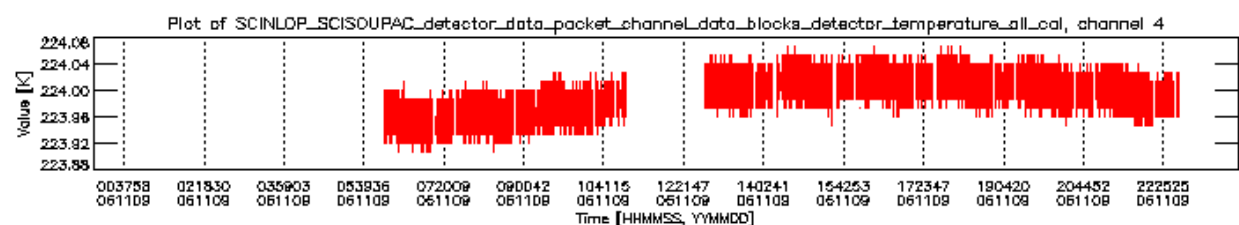
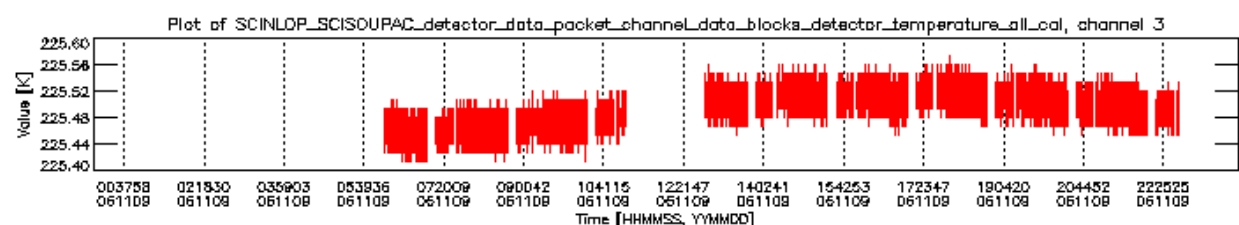
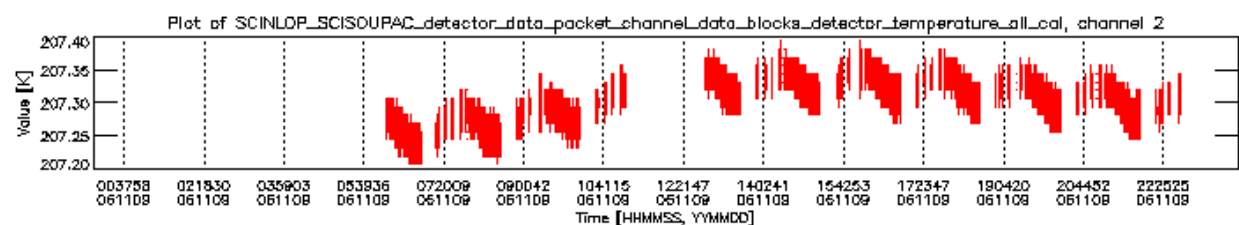
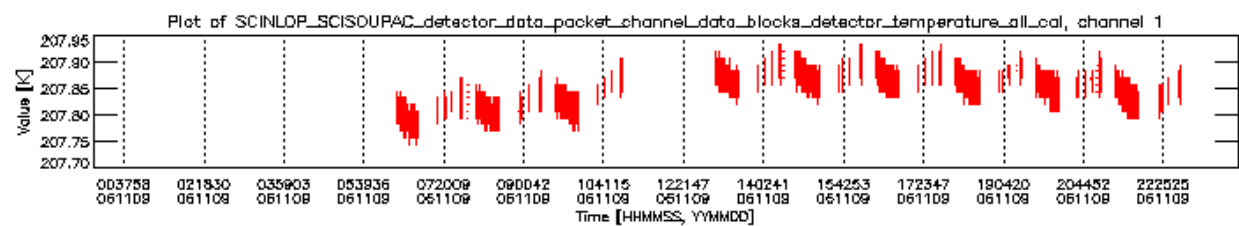




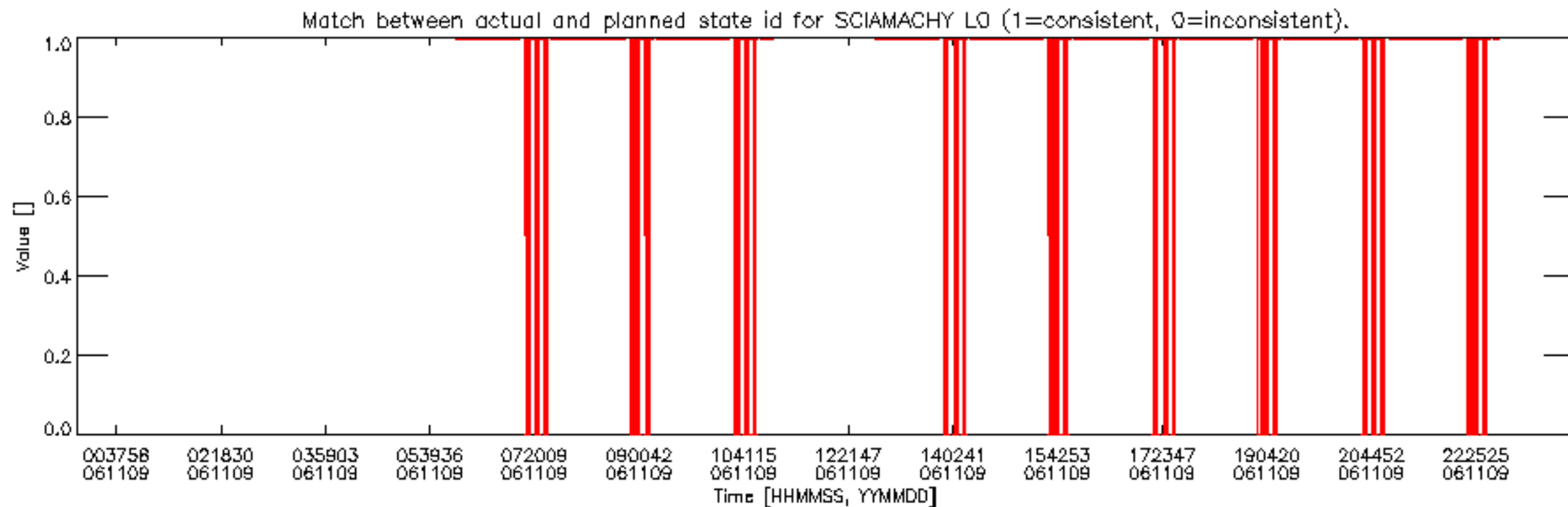
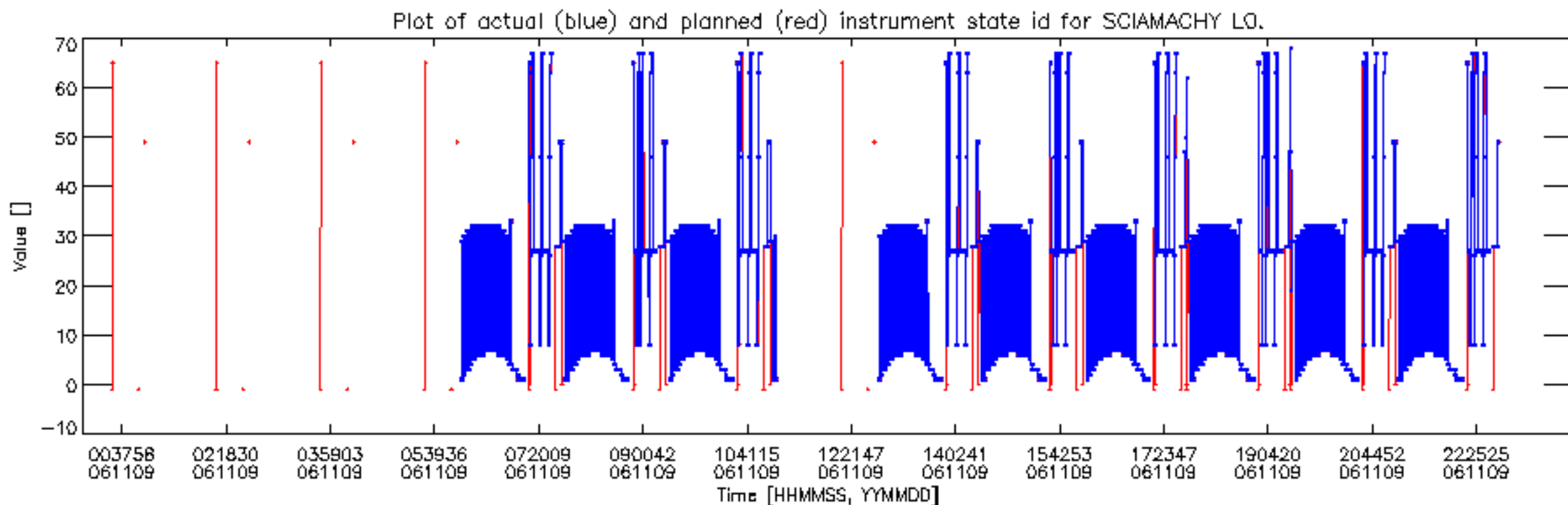












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 09NOV2006.  
 A medium gray color indicates the time span of available SCI\_NL\_1P products for this day.  
 The remaining colours indicate planned activities and/or special measurements.  
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

