

# 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	18NOV2006 03:40:22
Data source version	PFHS/5.37-N
Processing scope for products	15NOV2006 00:00:00 to 16NOV2006 00:00:00
Start time of first product within scope	15NOV2006 06:50:48
Stop time of last product within scope	15NOV2006 21:08:23
Total number of level 0 products	9
Number of level 0 products with errors	9

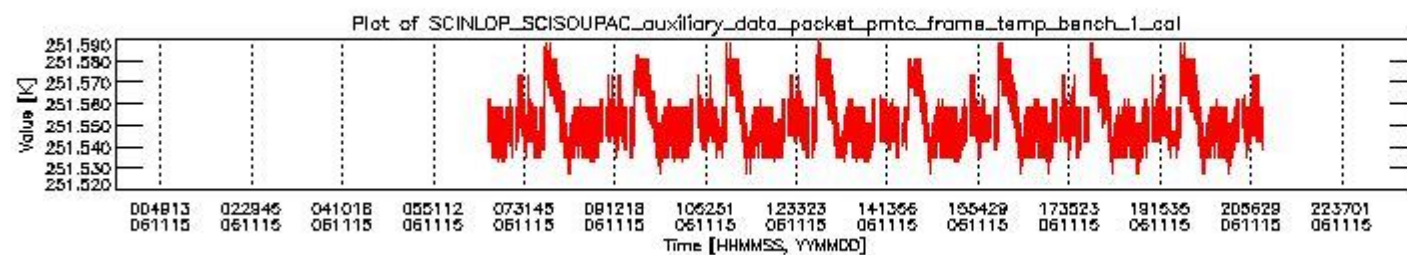
### 0.1.2 Summary per product

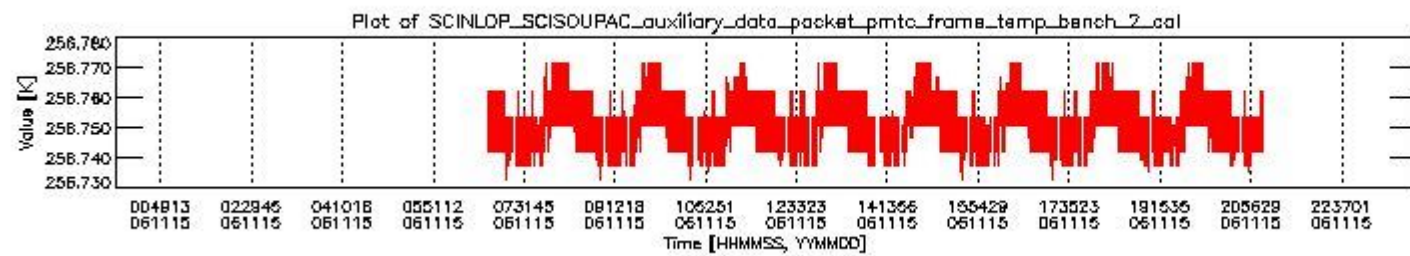
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20061115_065048_000041132053_00020_24623_1366.N1	15NOV2006 06:50:48	15NOV2006 07:59:22	1	0	1	0	0
1	SCI_NL__0PNPDK20061115_075718_000062162053_00021_24624_1367.N1	15NOV2006 07:57:18	15NOV2006 09:40:55	1	0	1	0	0
2	SCI_NL__0PNPDK20061115_093850_000060482053_00022_24625_1368.N1	15NOV2006 09:38:50	15NOV2006 11:19:39	1	0	1	0	0
3	SCI_NL__0PNPDK20061115_111830_000060922053_00023_24626_1369.N1	15NOV2006 11:18:30	15NOV2006 13:00:03	1	0	1	0	0
4	SCI_NL__0PNPDK20061115_130003_000058122053_00024_24627_1370.N1	15NOV2006 13:00:03	15NOV2006 14:36:55	1	0	1	0	0
5	SCI_NL__0PNPDK20061115_143437_000060362053_00025_24628_1371.N1	15NOV2006 14:34:37	15NOV2006 16:15:14	1	0	1	0	0
6	SCI_NL__0PNPDK20061115_161417_000055732053_00026_24629_1372.N1	15NOV2006 16:14:17	15NOV2006 17:47:10	1	0	1	0	0
7	SCI_NL__0PNPDK20061115_174710_000060752053_00027_24630_1373.N1	15NOV2006 17:47:10	15NOV2006 19:28:26	1	0	1	0	0
8	SCI_NL__0PNPDK20061115_193242_000057402053_00028_24631_1375.N1	15NOV2006 19:32:42	15NOV2006 21:08:23	1	0	1	0	0

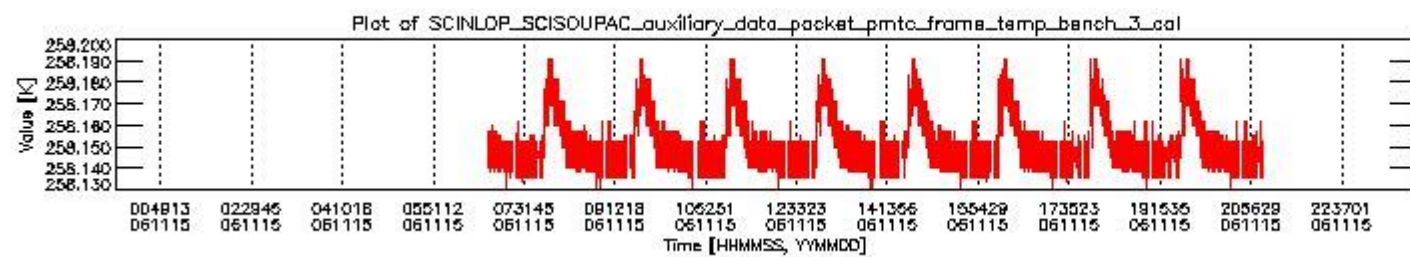
## 0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

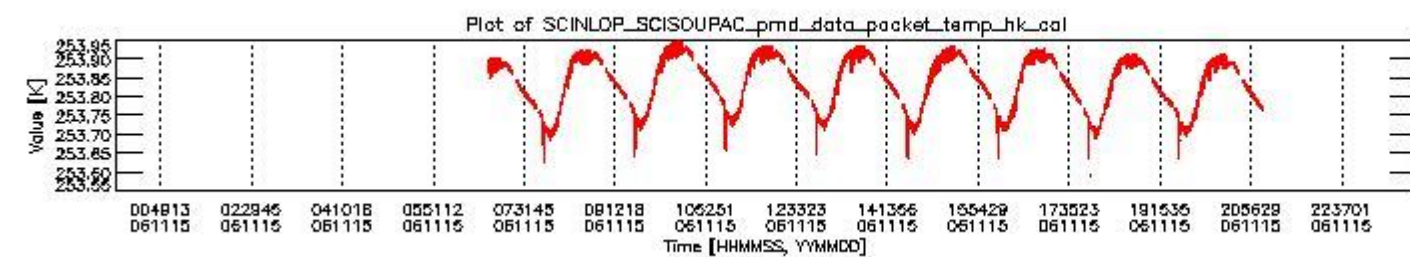




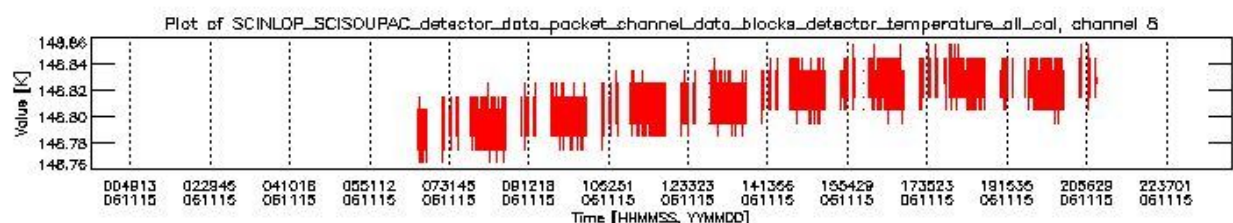
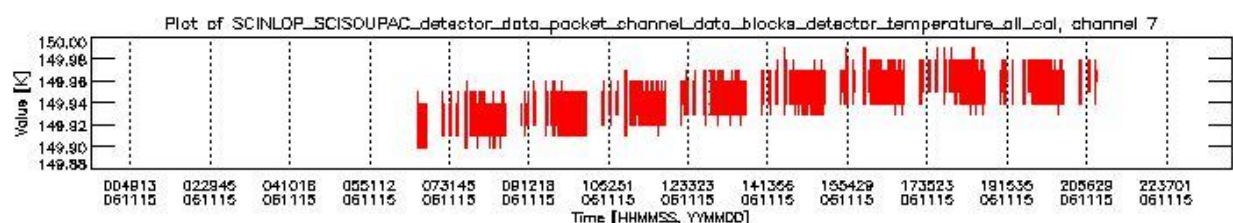
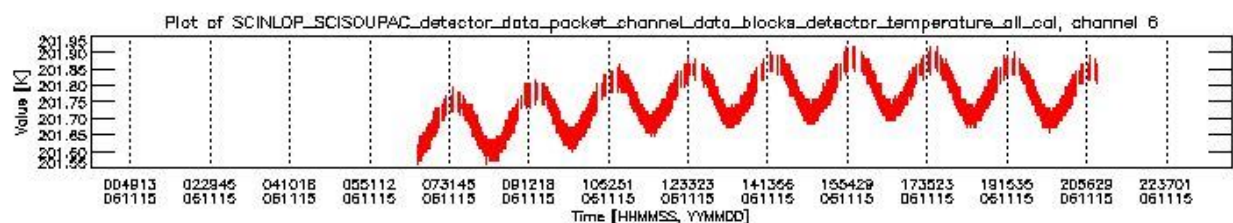
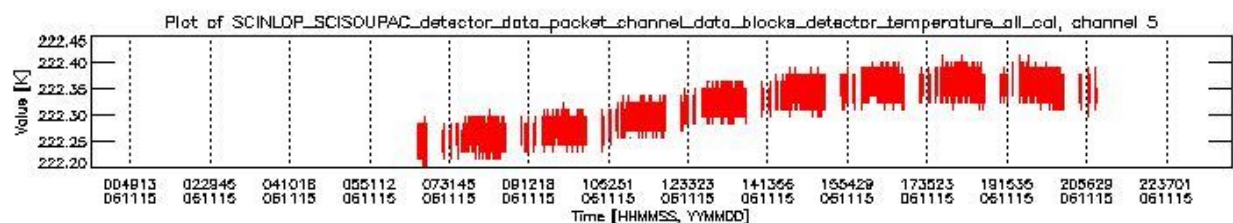
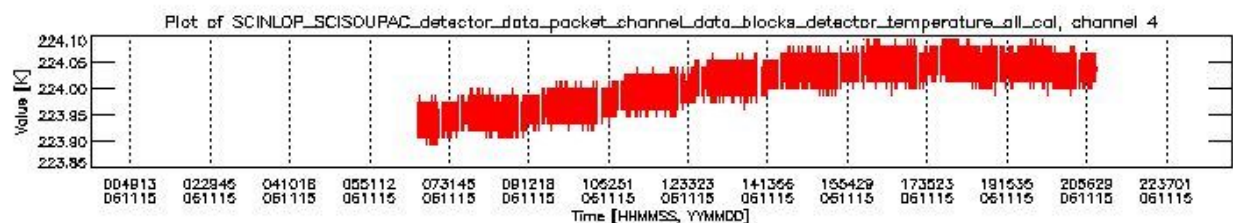
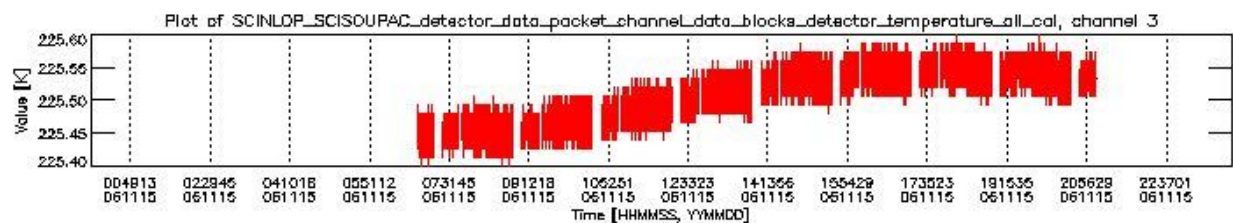
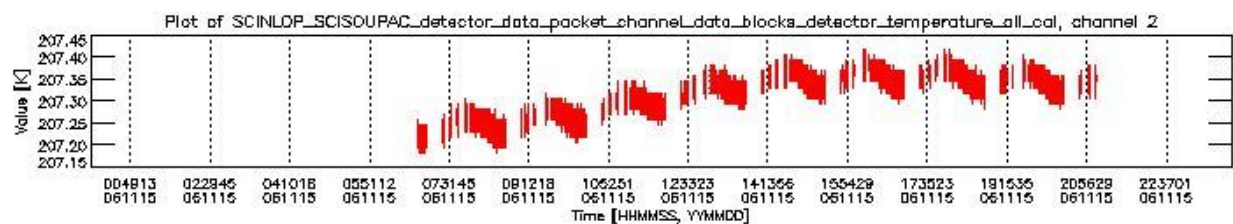
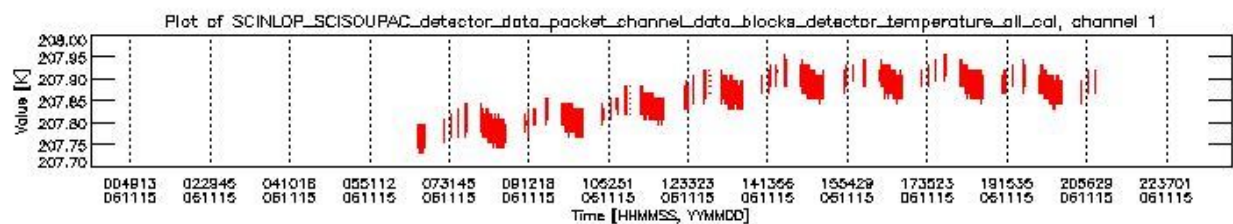
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20061115\_1.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20061115\_2.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20061115\_3.PNG



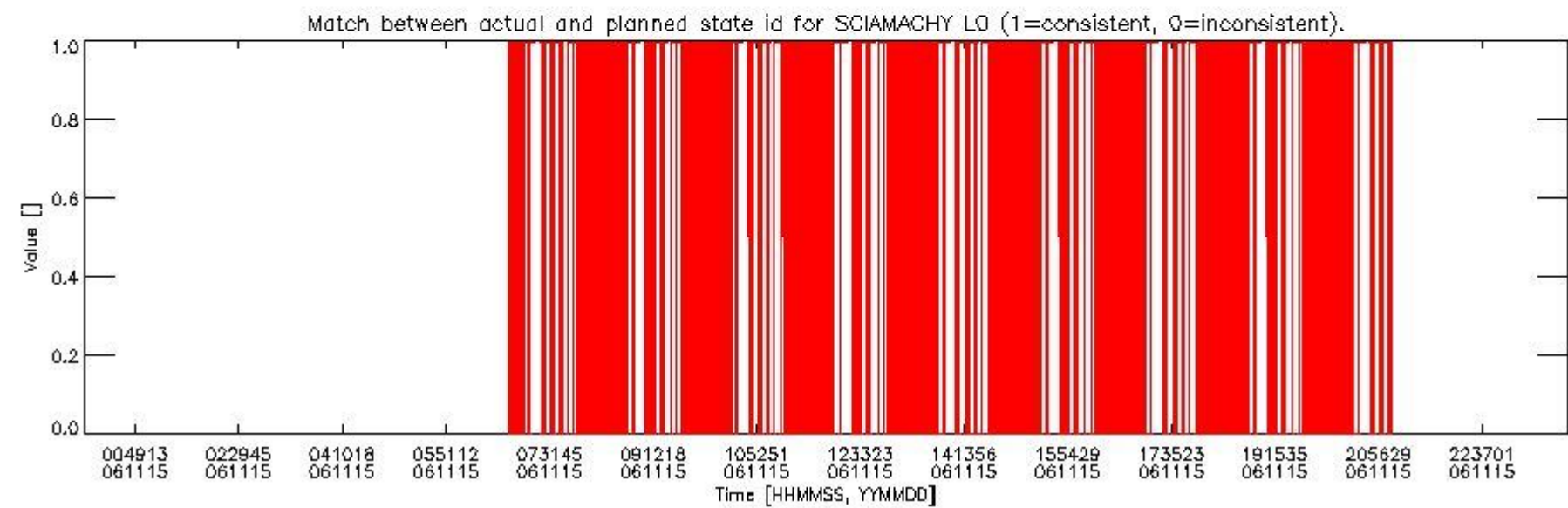
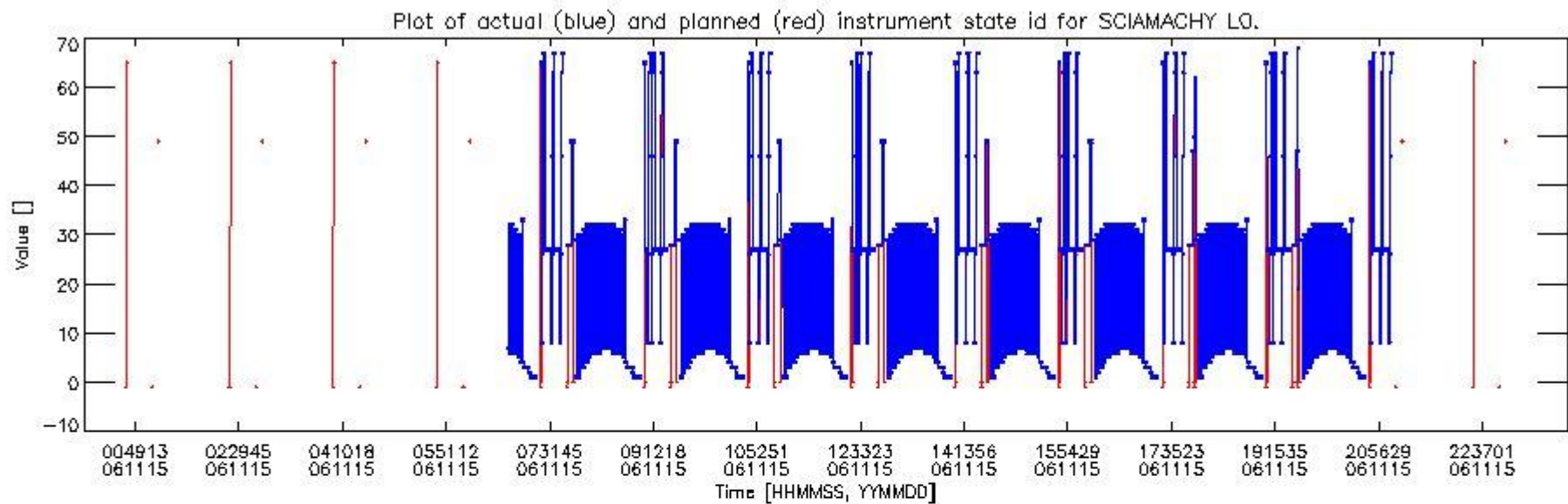
### 0.3 State monitoring

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: **1445**

#	Actual time	Actual value	Planned time	Planned value
0	15NOV2006 06:51:57.531672	32	15NOV2006 06:51:57.531672	7
1	15NOV2006 06:52:53.398881	6	15NOV2006 06:52:53.398881	32
2	15NOV2006 06:52:53.773894	6	15NOV2006 06:52:53.773894	32
3	15NOV2006 06:54:01.957471	32	15NOV2006 06:54:01.957471	6
4	15NOV2006 06:54:57.832444	6	15NOV2006 06:54:57.832444	32
5	15NOV2006 06:54:58.207457	6	15NOV2006 06:54:58.207457	32
6	15NOV2006 06:56:06.387132	31	15NOV2006 06:56:06.387132	6
7	15NOV2006 06:57:02.258243	6	15NOV2006 06:57:02.258243	31
8	15NOV2006 06:57:02.633256	6	15NOV2006 06:57:02.633256	31
9	15NOV2006 06:58:10.816833	31	15NOV2006 06:58:10.816833	6
10	15NOV2006 06:59:06.691807	6	15NOV2006 06:59:06.691807	31
11	15NOV2006 06:59:07.066820	6	15NOV2006 06:59:07.066820	31
12	15NOV2006 07:00:15.250397	30	15NOV2006 07:00:15.250397	6
13	15NOV2006 07:01:11.117605	5	15NOV2006 07:01:11.117605	30
14	15NOV2006 07:01:11.367614	5	15NOV2006 07:01:11.367614	30
15	15NOV2006 07:01:11.492618	5	15NOV2006 07:01:11.492618	30
16	15NOV2006 07:01:11.617582	5	15NOV2006 07:01:11.617582	30
17	15NOV2006 07:02:19.680098	30	15NOV2006 07:02:19.680098	5
18	15NOV2006 07:03:15.551169	4	15NOV2006 07:03:15.551169	30
19	15NOV2006 07:03:15.801178	4	15NOV2006 07:03:15.801178	30
...	...	...	...	...



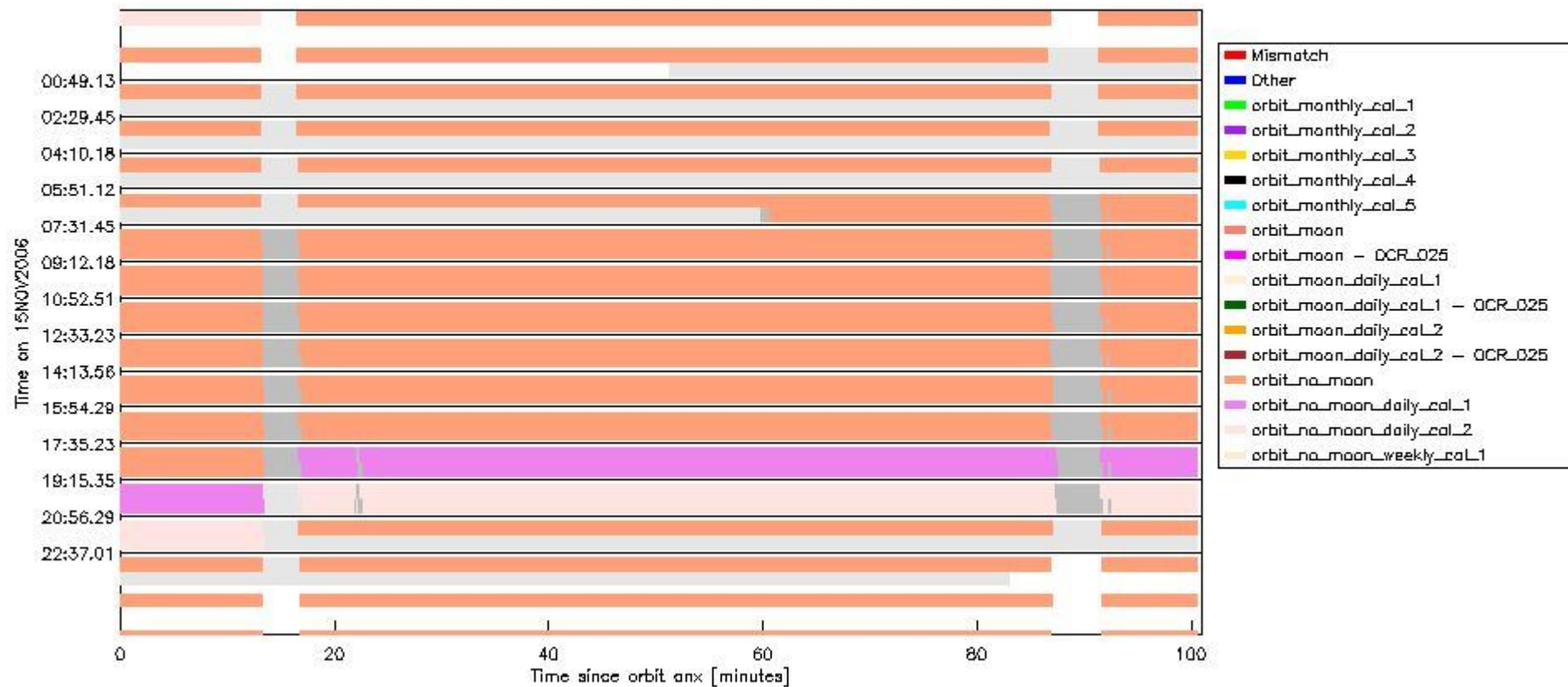


sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20061115\_5.PNG

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 15NOV2006.  
 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\_PFHS\_5\_37\_N\_20061115\_6.PNG

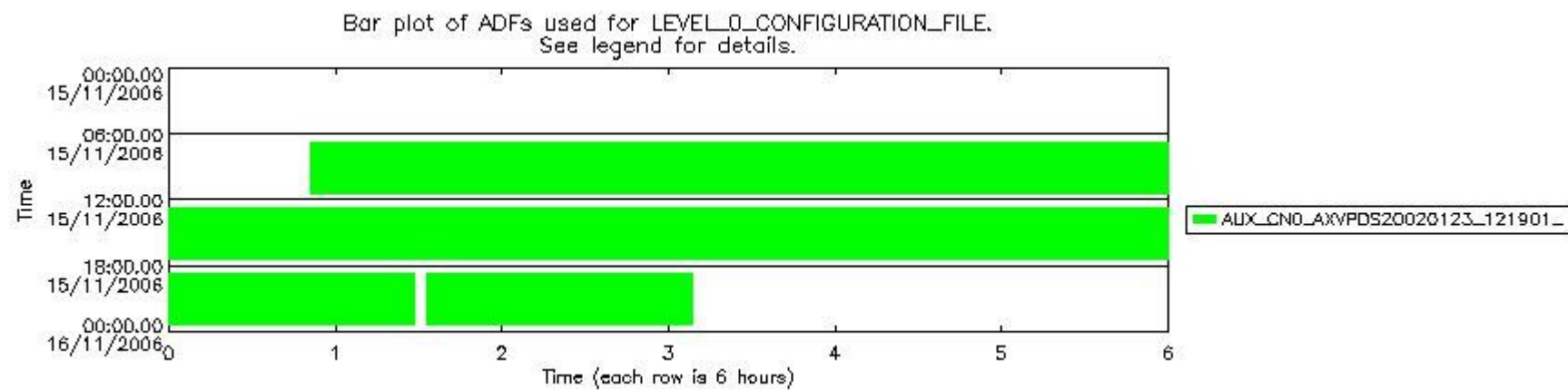
## 0.4 ADF monitoring

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

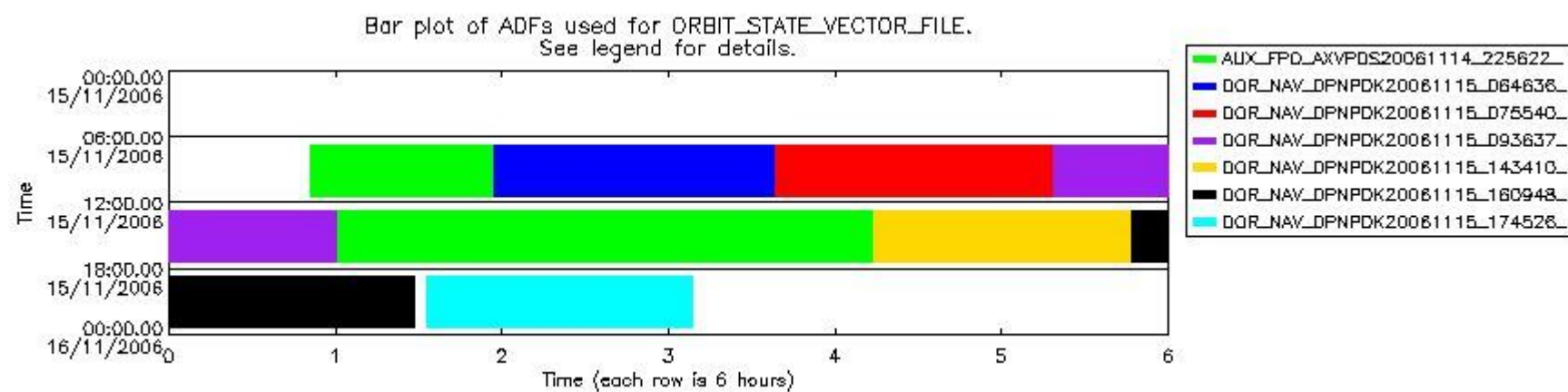
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

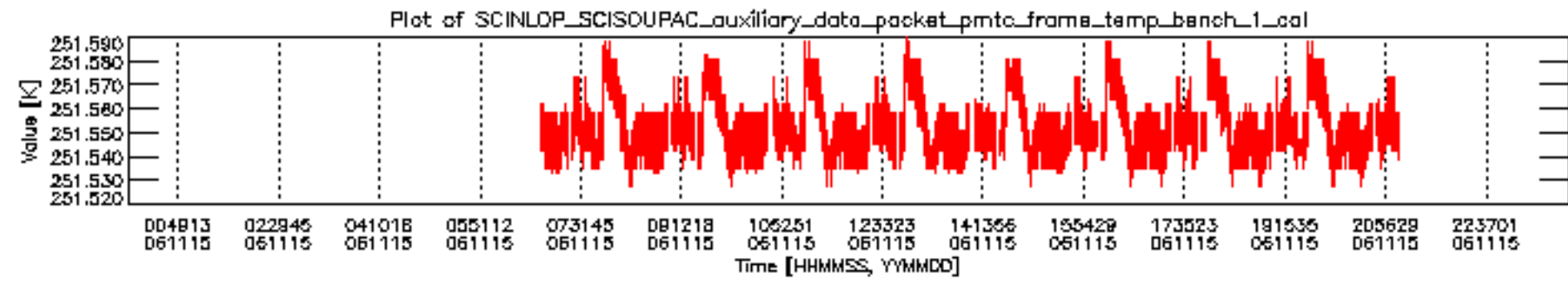
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20061114_225622_20061114_194726_20061124_211340</b>
2	<b>DOR_NAV_OPNPDK20061115_064636_000038252053_00020_24623_1410.N1</b>
3	<b>DOR_NAV_OPNPDK20061115_075540_000057382053_00021_24624_1411.N1</b>
4	<b>DOR_NAV_OPNPDK20061115_093637_000057382053_00022_24625_1412.N1</b>
5	<b>DOR_NAV_OPNPDK20061115_143410_000057382053_00025_24628_1415.N1</b>
6	<b>DOR_NAV_OPNPDK20061115_160948_000054192053_00026_24629_1416.N1</b>
7	<b>DOR_NAV_OPNPDK20061115_174526_000060572053_00027_24630_1417.N1</b>



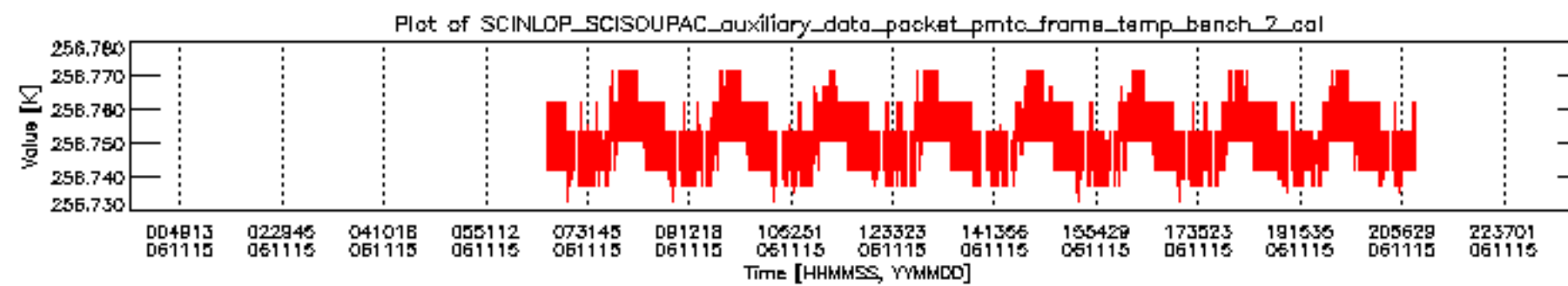
sciamachy\_daily\_report\_level0\_PPHS\_5\_37\_N\_20061115\_7.PNG

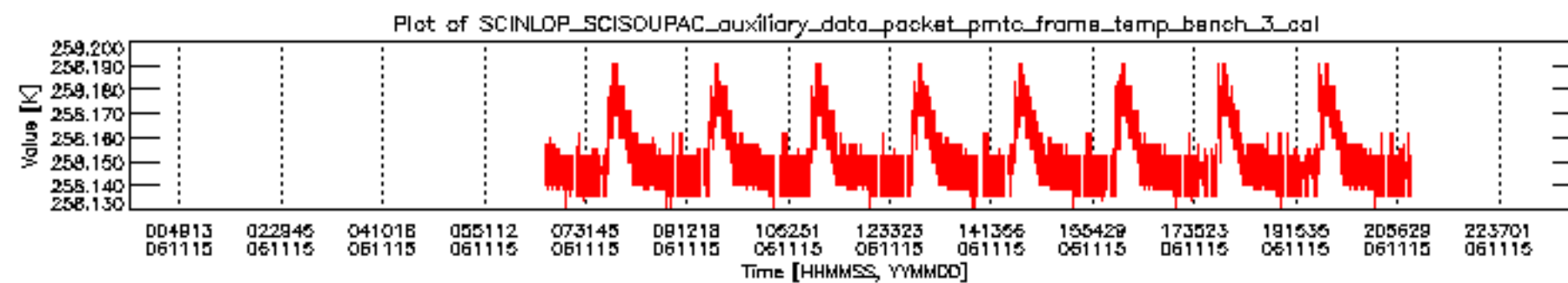


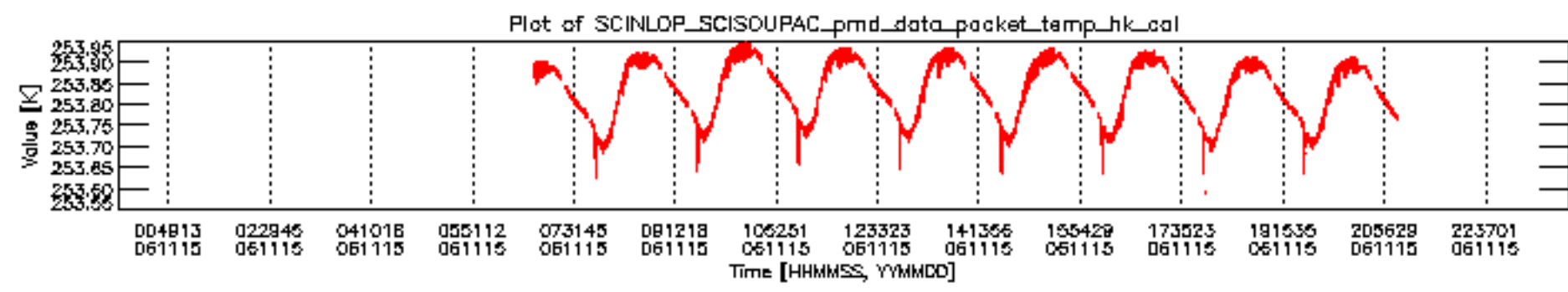
sciamachy\_daily\_report\_level0\_PPHS\_5\_37\_N\_20061115\_8.PNG

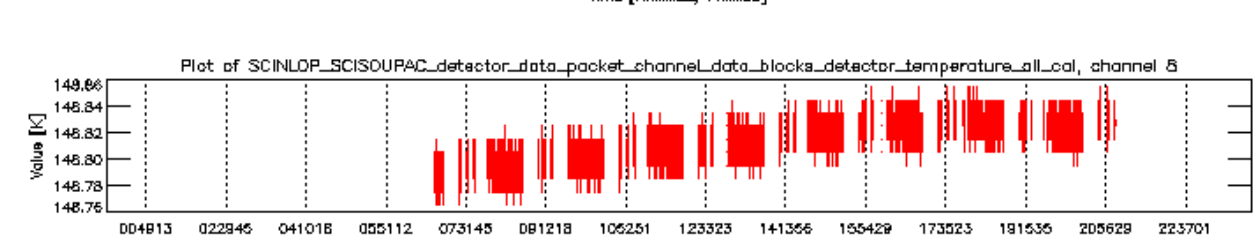
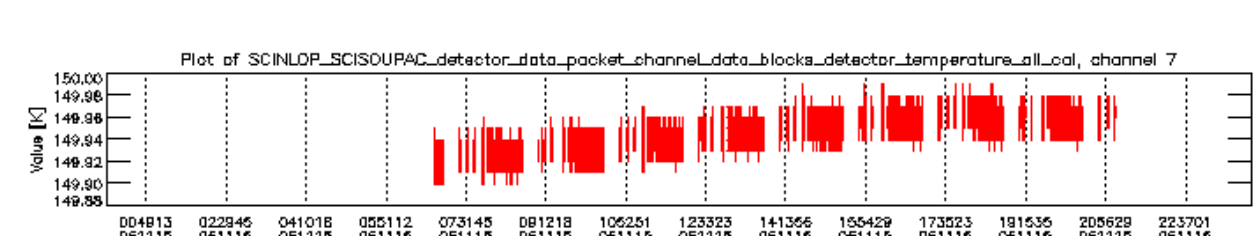
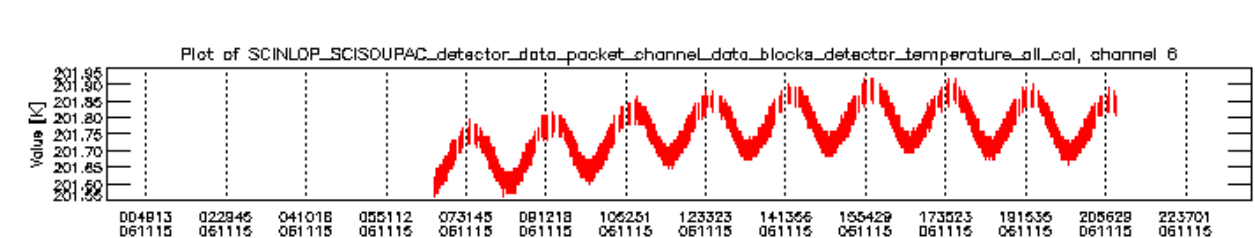
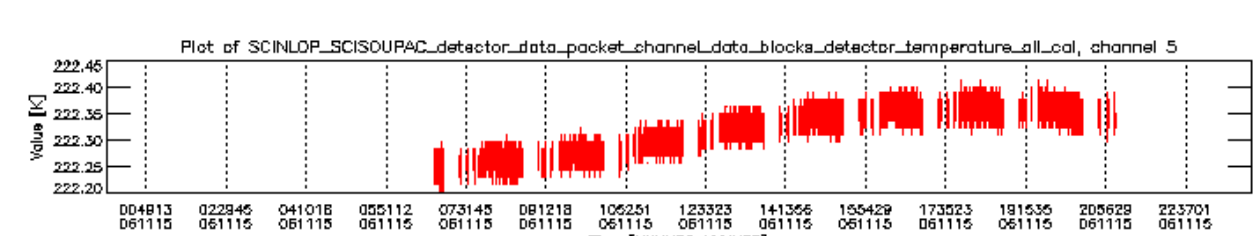
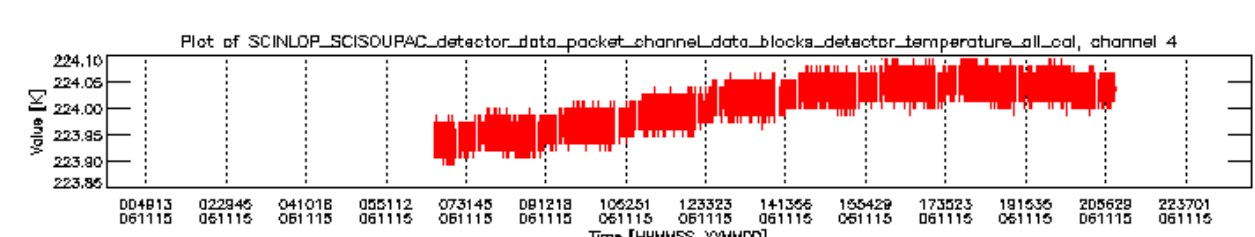
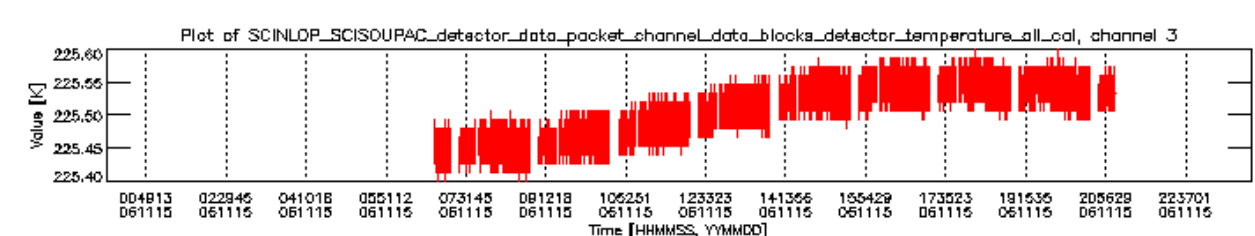
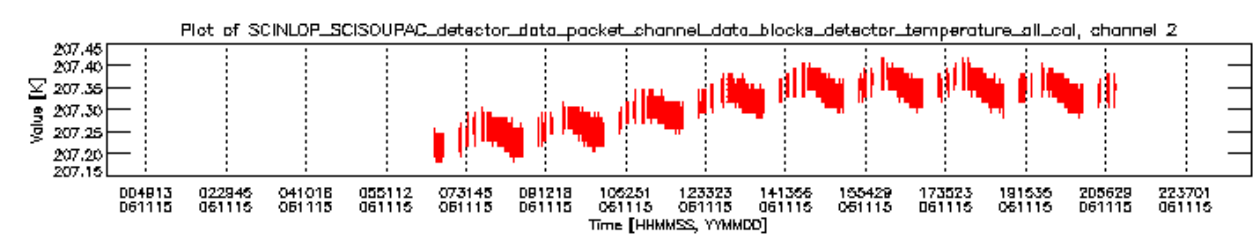
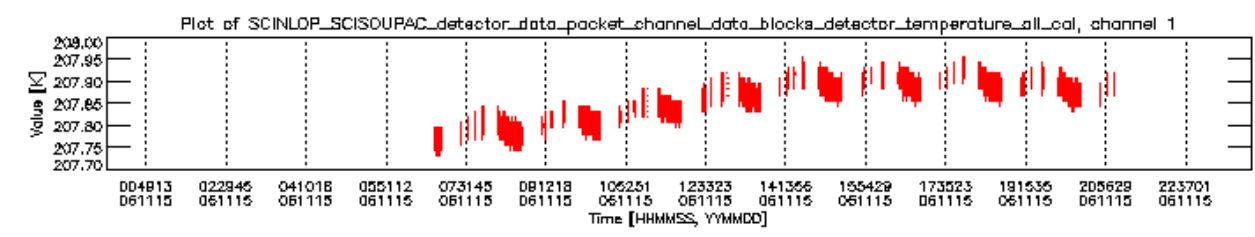


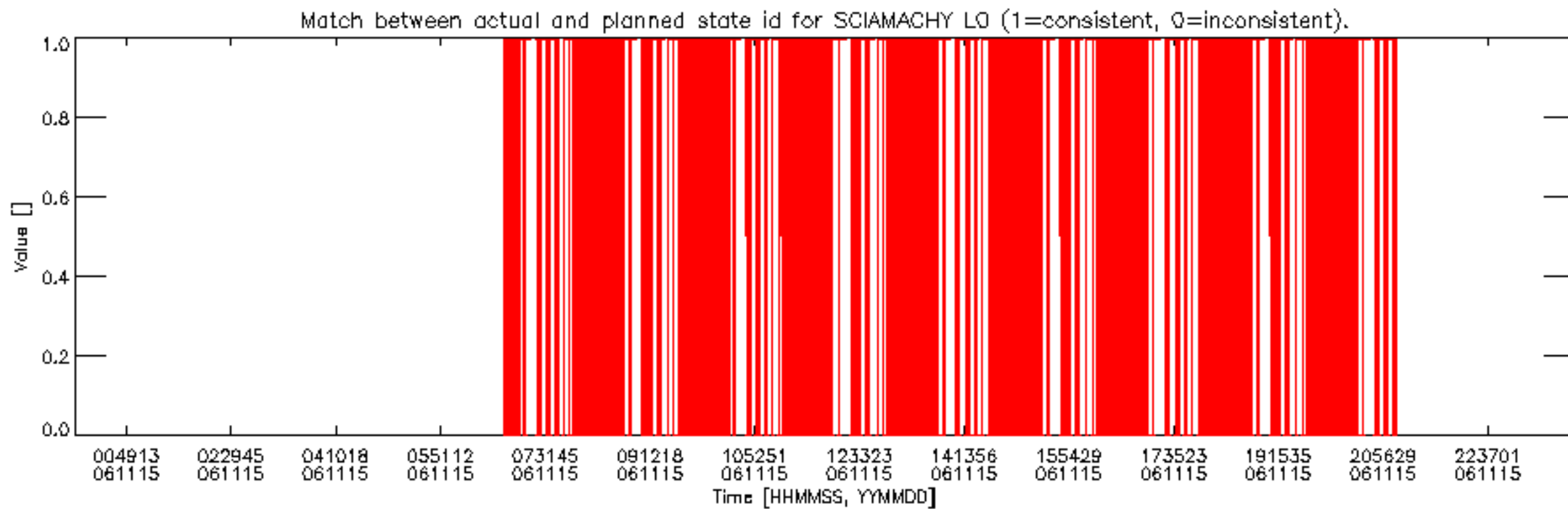
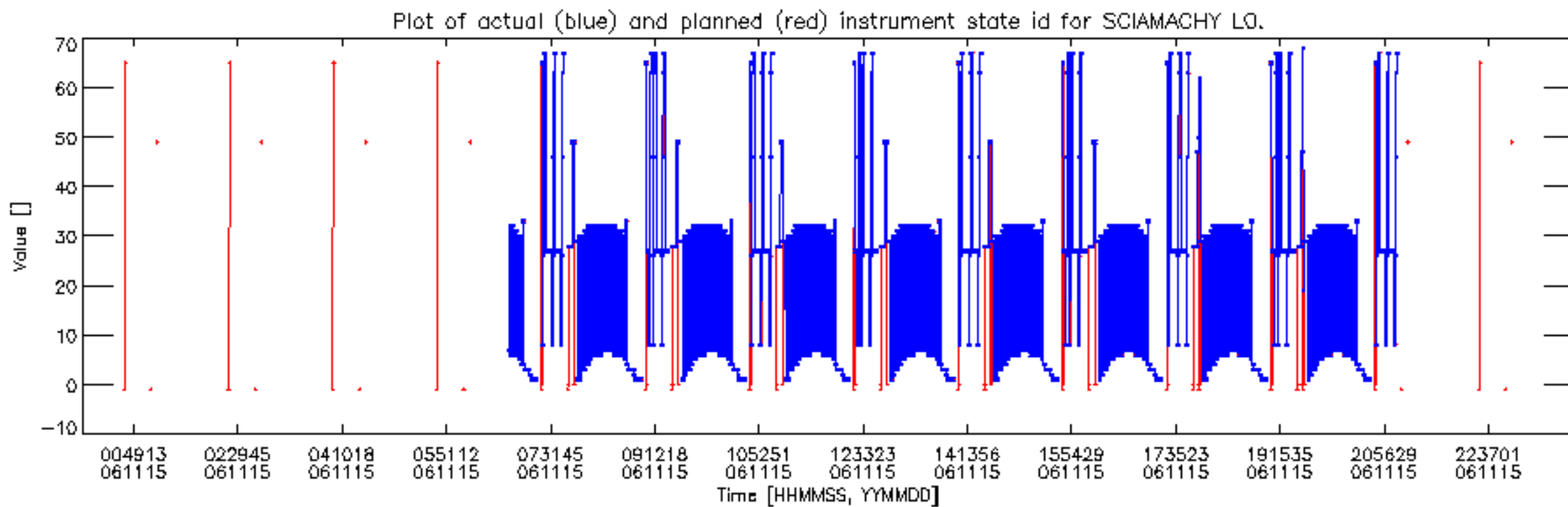














Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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