

## 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	25OCT2007 14:07:43
Data source version	KSPT_L0/4302-N
Processing scope for products	24OCT2007 00:00:00 to 25OCT2007 00:00:00
Start time of first product within scope	23OCT2007 23:13:24
Stop time of last product within scope	24OCT2007 19:52:28
Total number of level 0 products	13
Number of level 0 products with errors	2

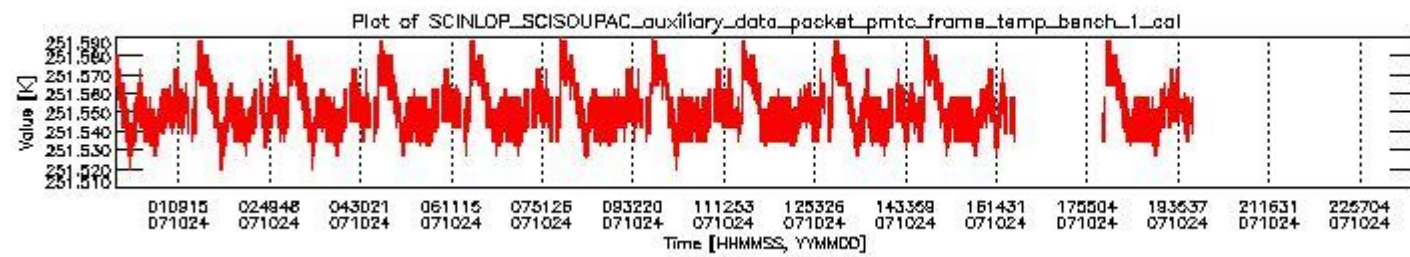
### 0.1.2 Summary per product

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

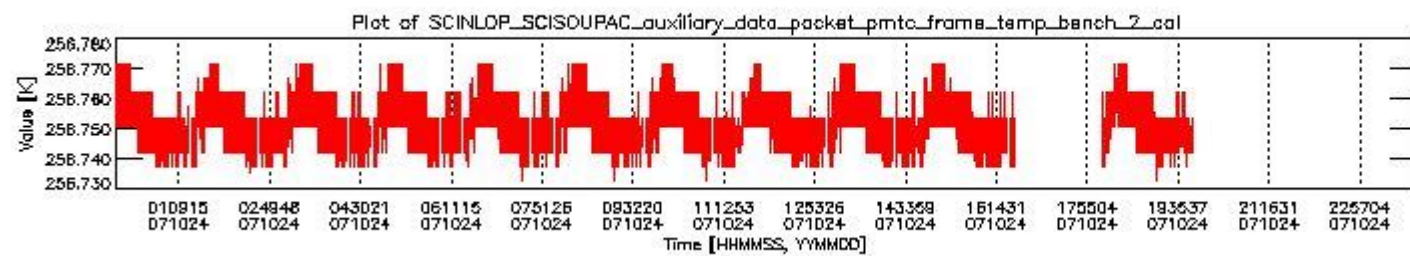
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDE20071023_231324_000060422062_00416_29528_5433.N1	23OCT2007 23:13:24	24OCT2007 00:54:06	0	0	0	0	0
1	SCI_NL__0PNPDE20071024_005813_000043132062_00417_29529_5434.N1	24OCT2007 00:58:13	24OCT2007 02:10:06	0	0	0	0	0
2	SCI_NL__0PNPDE20071024_020857_000061052062_00418_29530_5435.N1	24OCT2007 02:08:57	24OCT2007 03:50:42	0	0	0	0	0
3	SCI_NL__0PNPDE20071024_034934_000060362062_00419_29531_5436.N1	24OCT2007 03:49:34	24OCT2007 05:30:10	0	0	0	0	0
4	SCI_NL__0PNPDE20071024_053010_000061052062_00420_29532_5437.N1	24OCT2007 05:30:10	24OCT2007 07:11:55	0	0	0	0	0
5	SCI_NL__0PNPDK20071024_071046_000040462062_00421_29533_6431.N1	24OCT2007 07:10:46	24OCT2007 08:18:12	0	0	0	0	0
6	SCI_NL__0PNPDK20071024_081716_000060922062_00422_29534_6432.N1	24OCT2007 08:17:16	24OCT2007 09:58:48	0	0	0	0	0
7	SCI_NL__0PNPDK20071024_095752_000060922062_00423_29535_6433.N1	24OCT2007 09:57:52	24OCT2007 11:39:25	0	0	0	0	0
8	SCI_NL__0PNPDK20071024_113829_000059682062_00424_29536_6434.N1	24OCT2007 11:38:29	24OCT2007 13:17:57	0	0	0	0	0
9	SCI_NL__0PNPDK20071024_131757_000059812062_00425_29537_6435.N1	24OCT2007 13:17:57	24OCT2007 14:57:37	0	0	0	0	0
10	SCI_NL__0PNPDK20071024_145641_000057872062_00426_29538_6438.N1	24OCT2007 14:56:41	24OCT2007 16:33:08	1	1	1	0	0
11	SCI_NL__0PNPDK20071024_163308_000060362062_00427_29539_6439.N1	24OCT2007 16:33:08	24OCT2007 18:13:44	1	1	0	0	0
12	SCI_NL__0PNPDK20071024_181248_000059812062_00428_29540_6440.N1	24OCT2007 18:12:48	24OCT2007 19:52:28	0	0	0	0	0

## 0.2 Product Quality Indicators

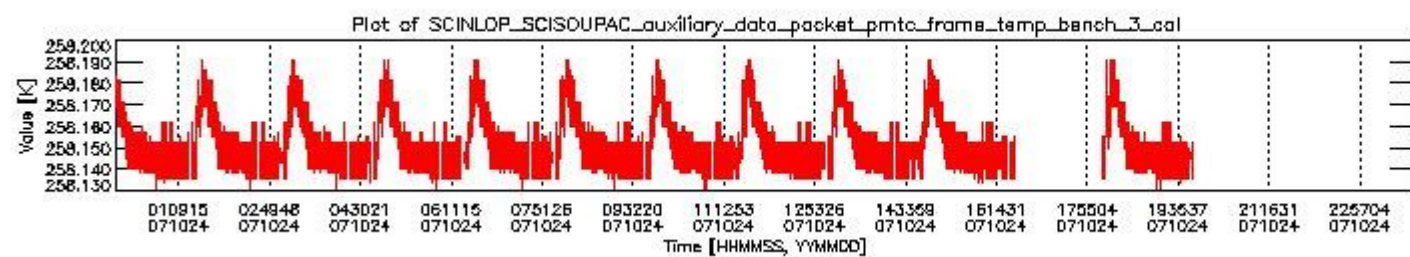
This section shows information about product quality, currently temperatures.



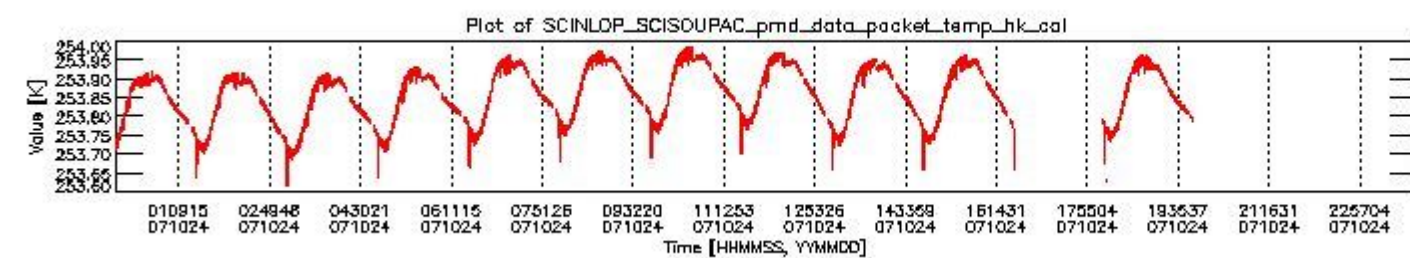
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071024\_0.PNG



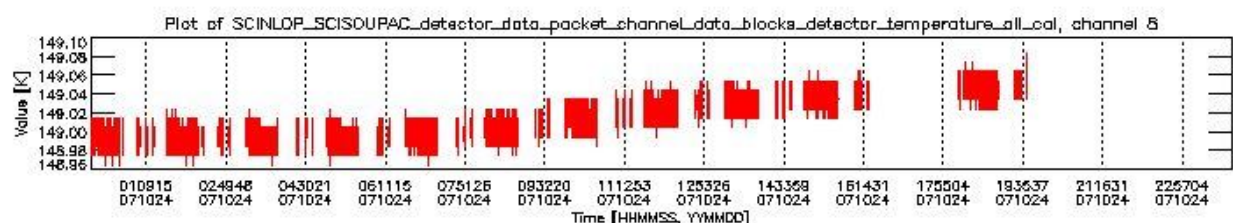
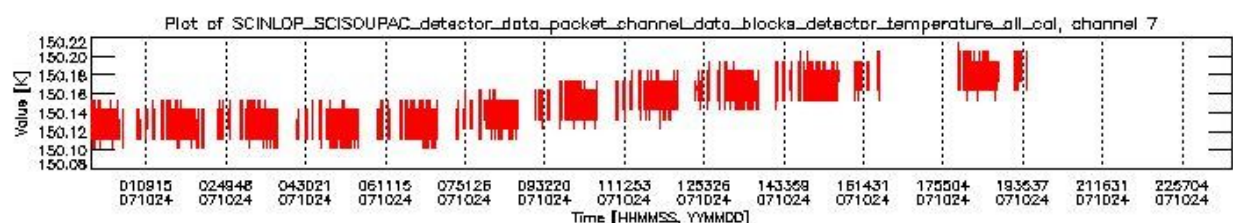
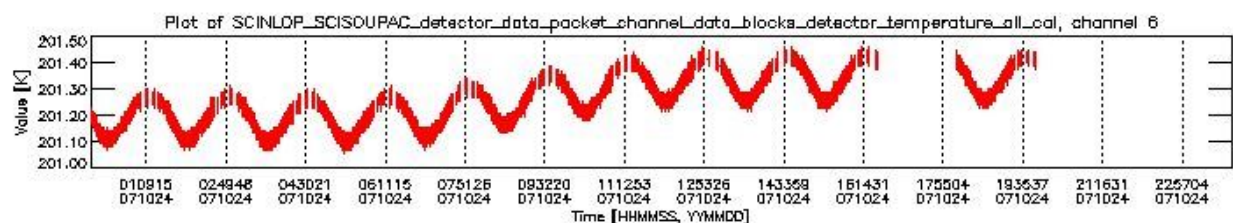
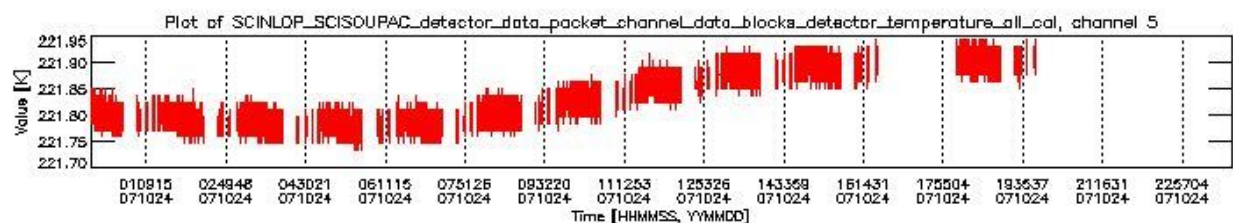
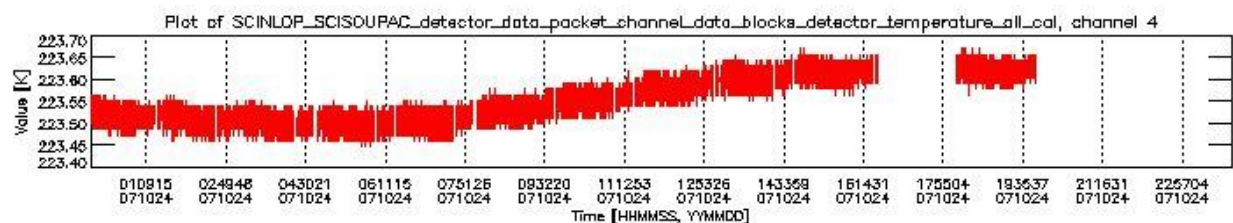
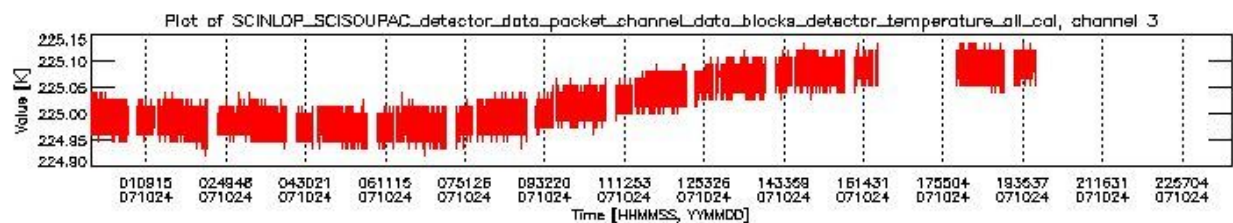
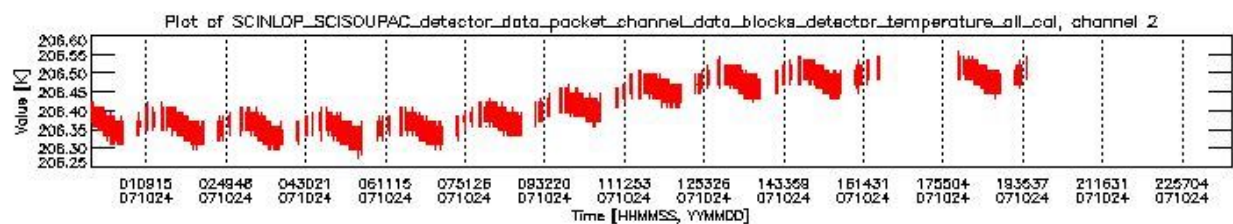
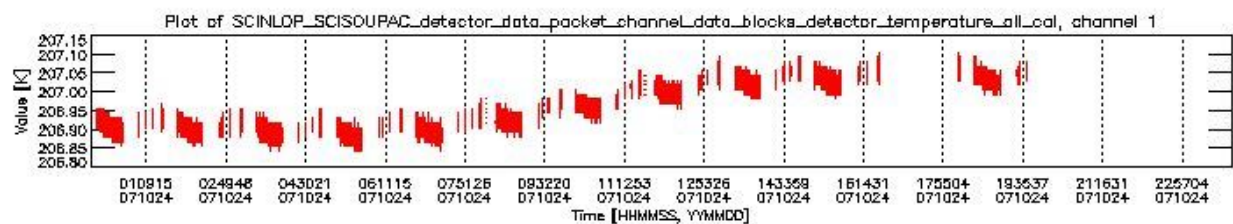
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071024\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071024\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071024\_3.PNG

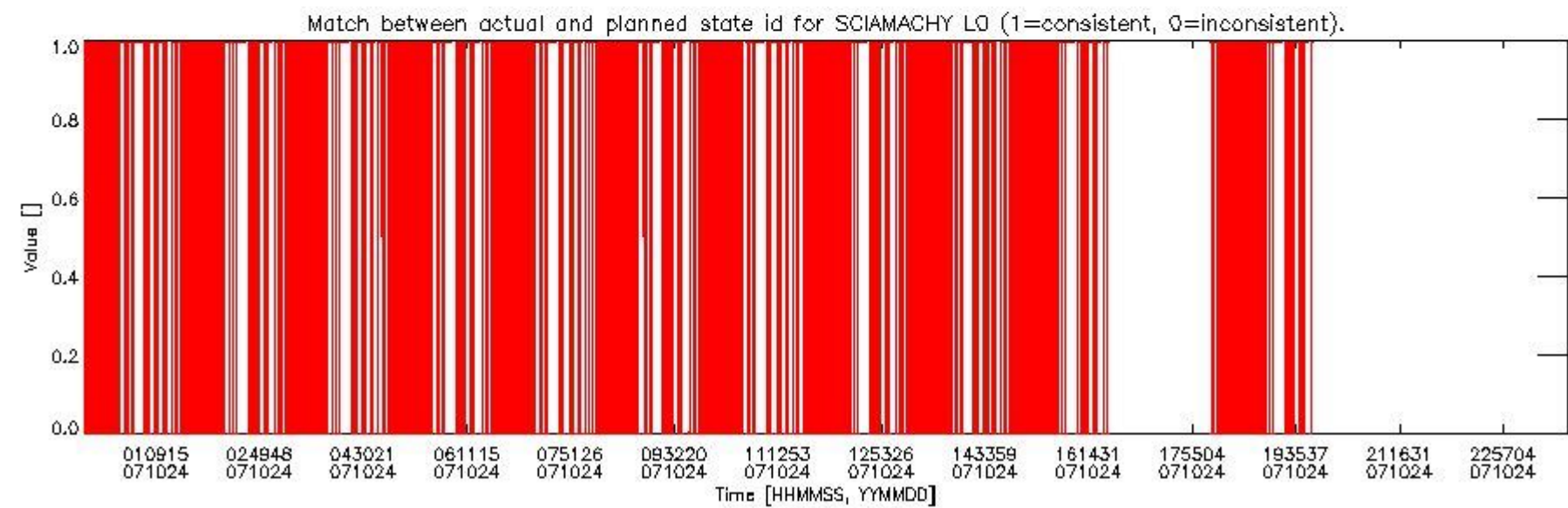
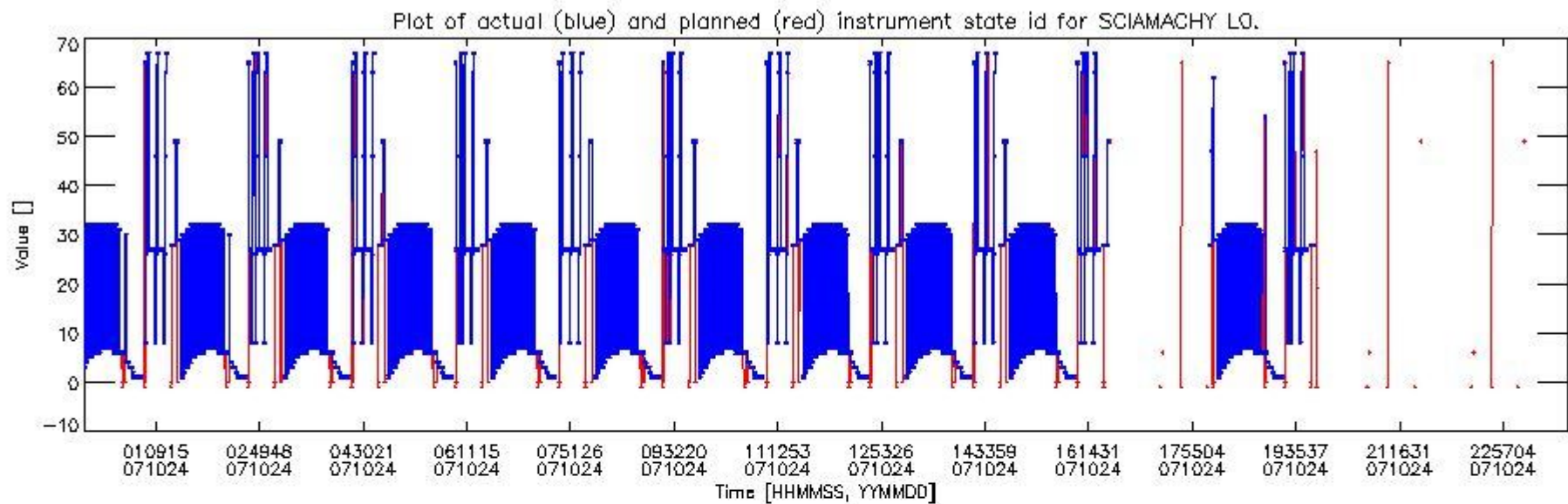


### 0.3 State monitoring

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: **21146**

#	Actual time	Actual value	Planned time	Planned value
0	24OCT2007 00:00:27.926503	31	24OCT2007 00:00:27.926503	3
1	24OCT2007 00:00:28.551525	31	24OCT2007 00:00:28.551525	3
2	24OCT2007 00:00:28.926498	31	24OCT2007 00:00:28.926498	3
3	24OCT2007 00:00:29.301511	31	24OCT2007 00:00:29.301511	3
4	24OCT2007 00:00:29.864010	31	24OCT2007 00:00:29.864010	3
5	24OCT2007 00:00:30.239023	31	24OCT2007 00:00:30.239023	3
6	24OCT2007 00:00:30.613996	31	24OCT2007 00:00:30.613996	3
7	24OCT2007 00:00:30.989009	31	24OCT2007 00:00:30.989009	3
8	24OCT2007 00:00:31.551509	31	24OCT2007 00:00:31.551509	3
9	24OCT2007 00:00:31.926522	31	24OCT2007 00:00:31.926522	3
10	24OCT2007 00:00:32.301494	31	24OCT2007 00:00:32.301494	3
11	24OCT2007 00:00:32.676508	31	24OCT2007 00:00:32.676508	3
12	24OCT2007 00:00:32.926516	31	24OCT2007 00:00:32.926516	3
13	24OCT2007 00:00:33.239007	31	24OCT2007 00:00:33.239007	3
14	24OCT2007 00:00:33.614020	31	24OCT2007 00:00:33.614020	3
15	24OCT2007 00:00:33.989033	31	24OCT2007 00:00:33.989033	3
16	24OCT2007 00:00:34.364006	31	24OCT2007 00:00:34.364006	3
17	24OCT2007 00:00:34.926505	31	24OCT2007 00:00:34.926505	3
18	24OCT2007 00:01:23.801517	4	24OCT2007 00:01:23.801517	31
19	24OCT2007 00:01:24.051526	4	24OCT2007 00:01:24.051526	31
	...	...	...	...

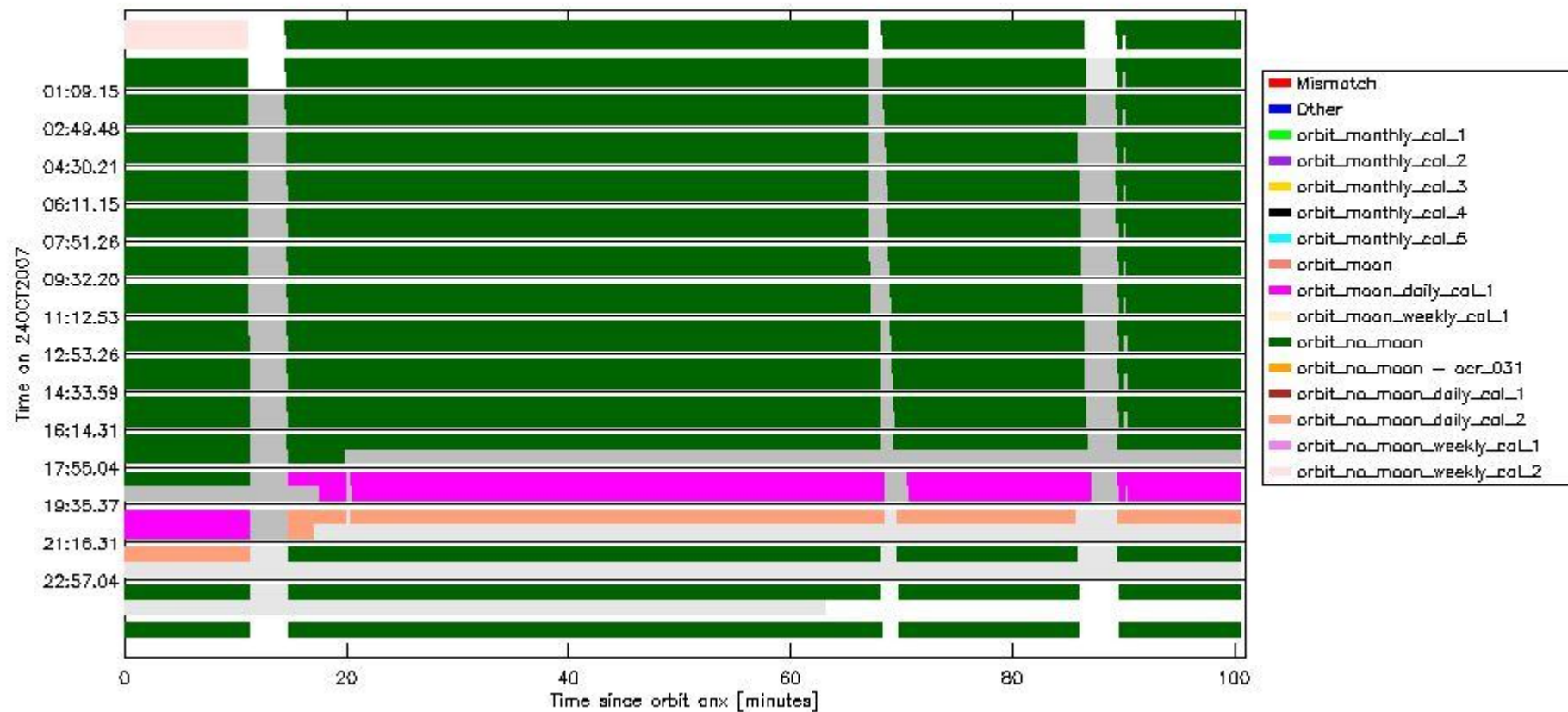


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071024\_5.PNG

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 24OCT2007.  
 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\_4302\_N\_20071024\_6.PNG

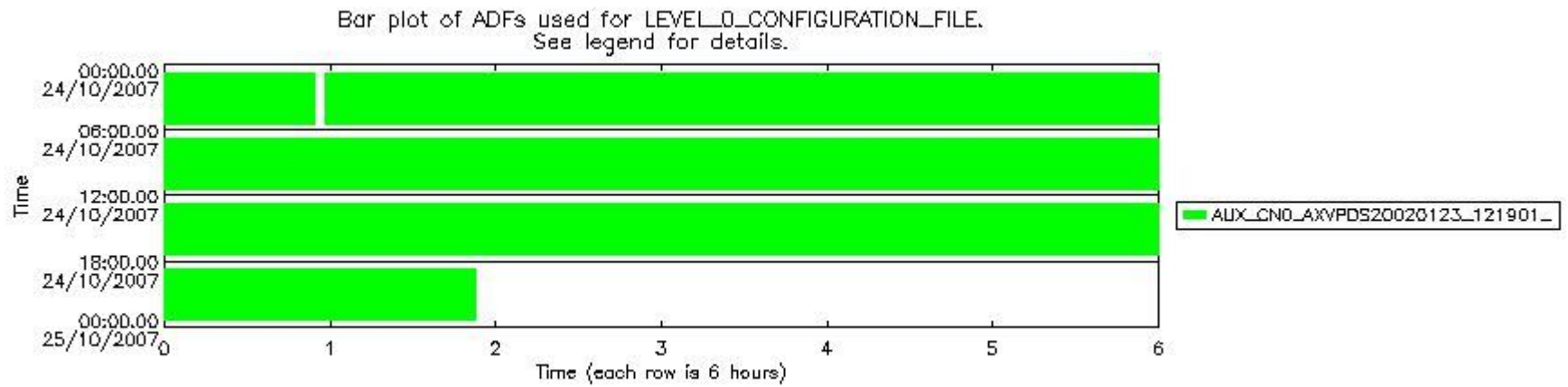
## 0.4 ADF monitoring

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

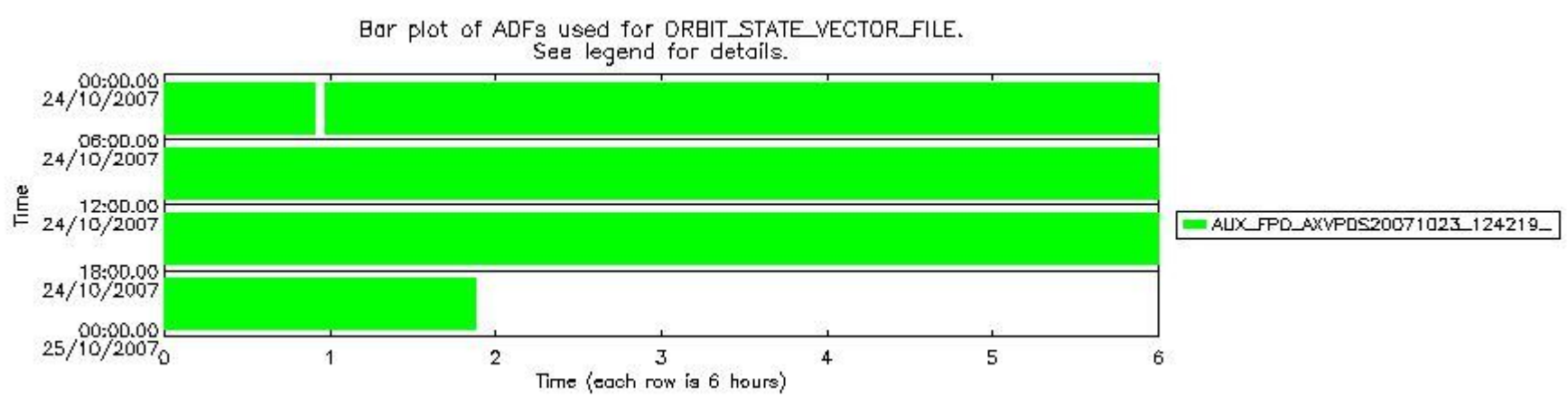
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

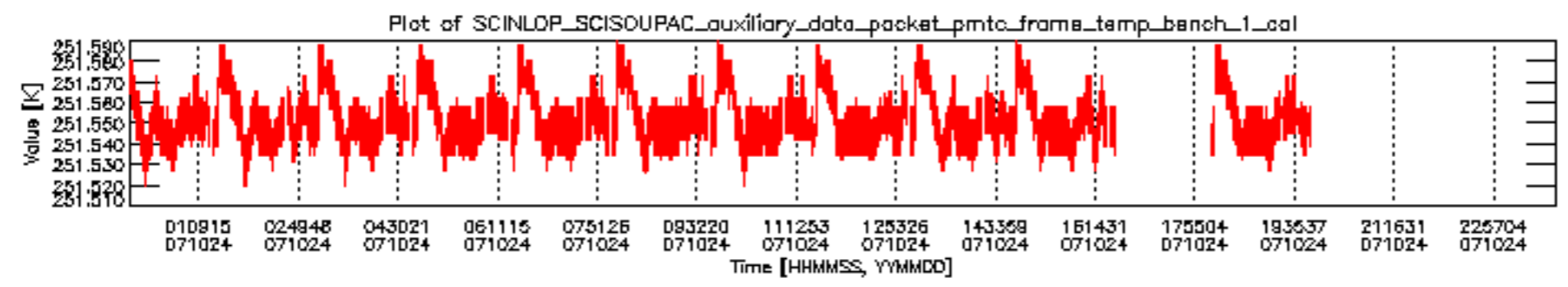
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20071023_124219_20071022_185828_20071101_202441



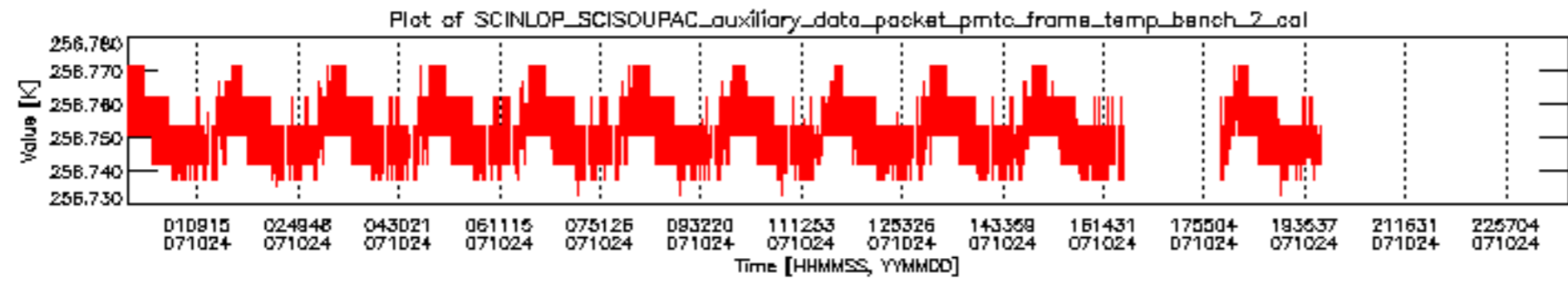
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071024\_7.PNG

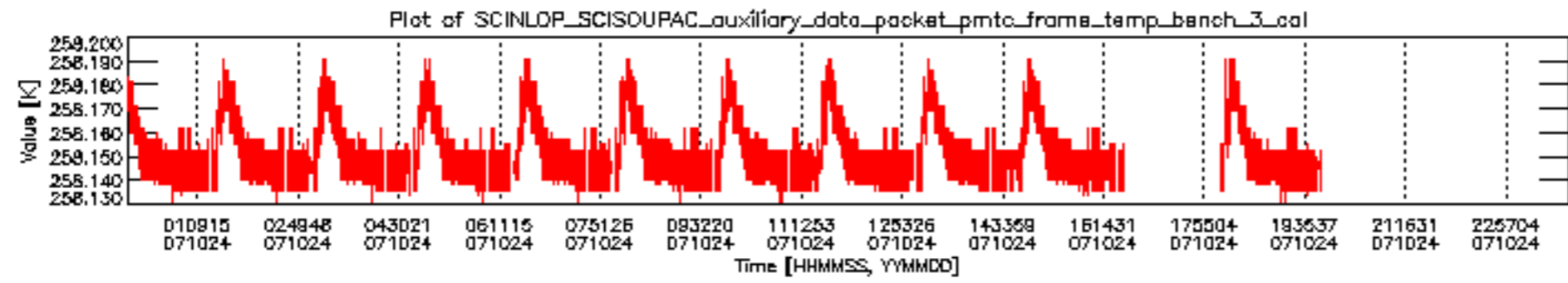


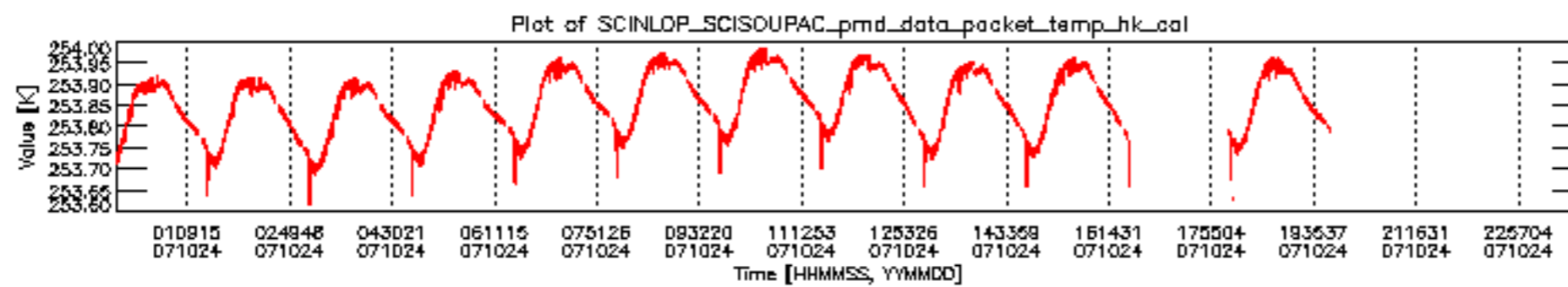
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071024\_8.PNG

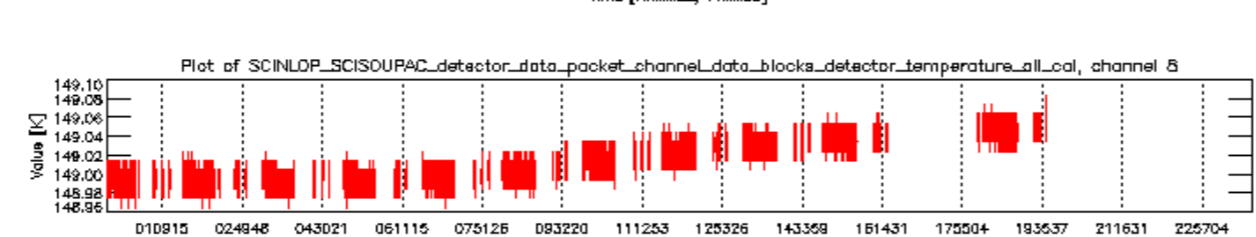
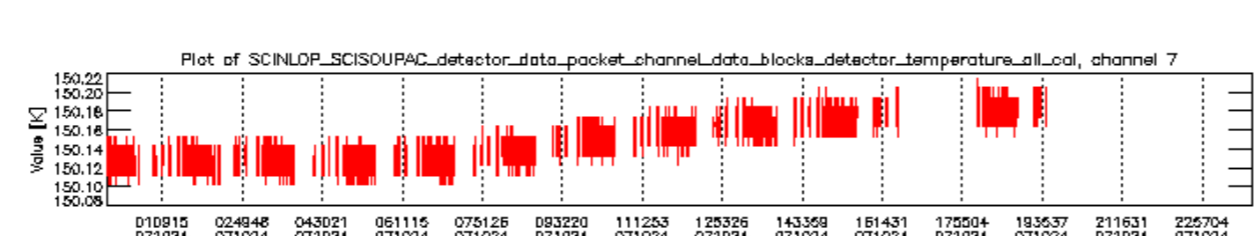
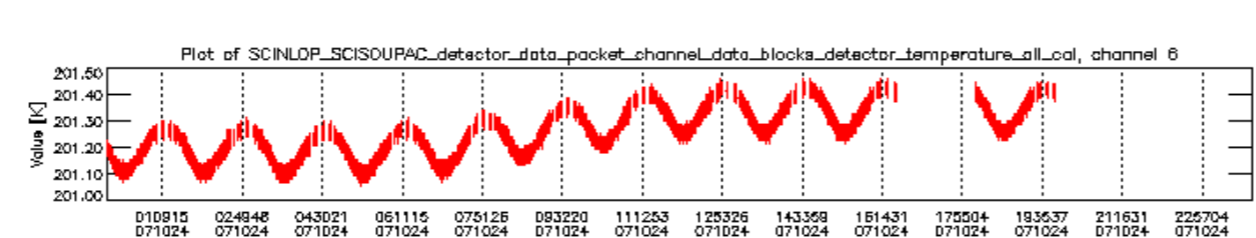
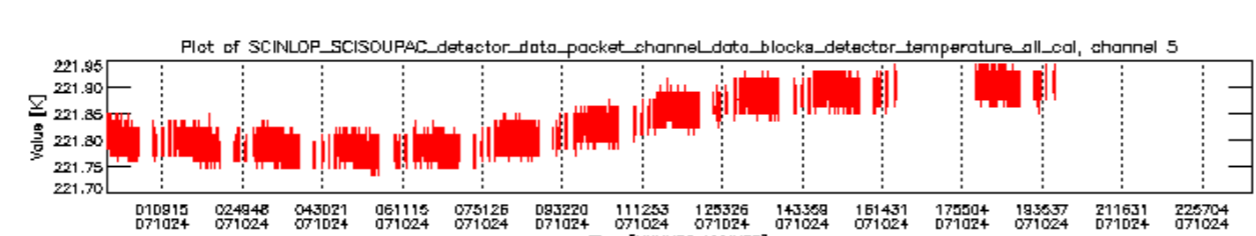
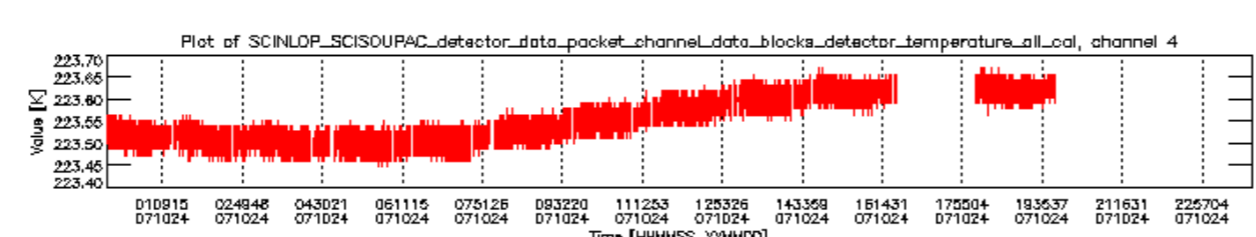
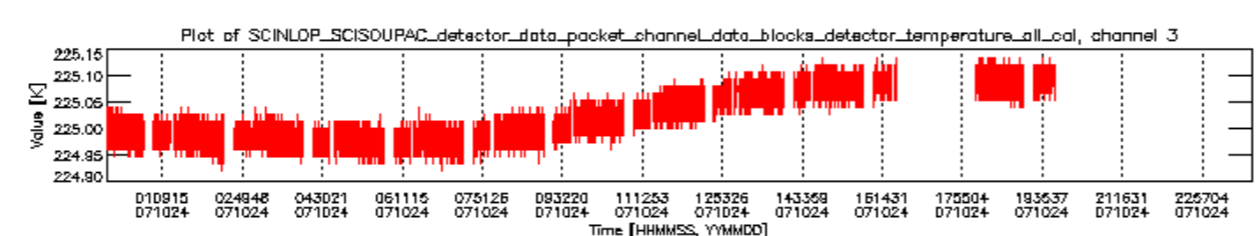
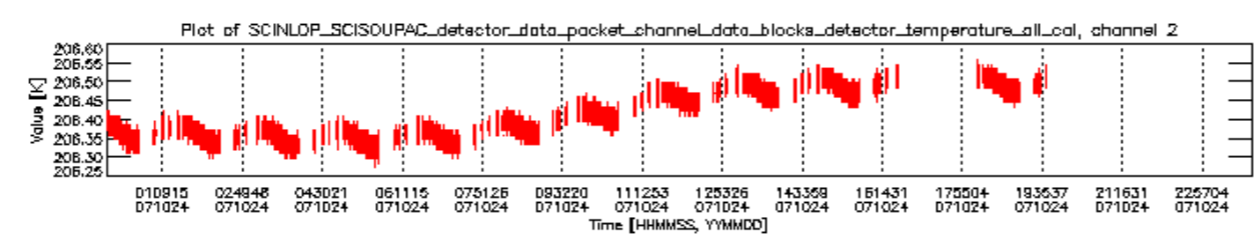
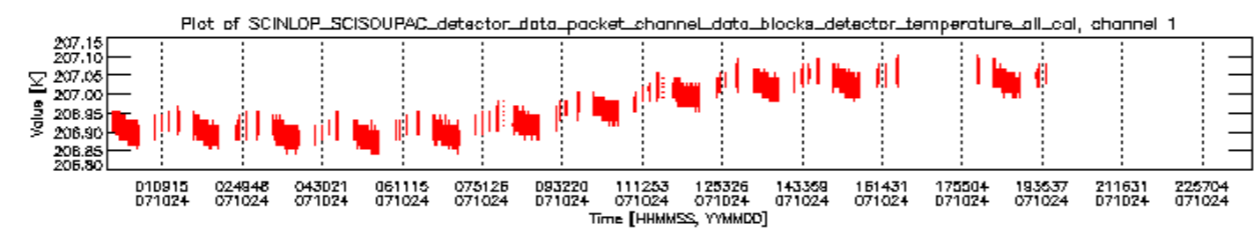


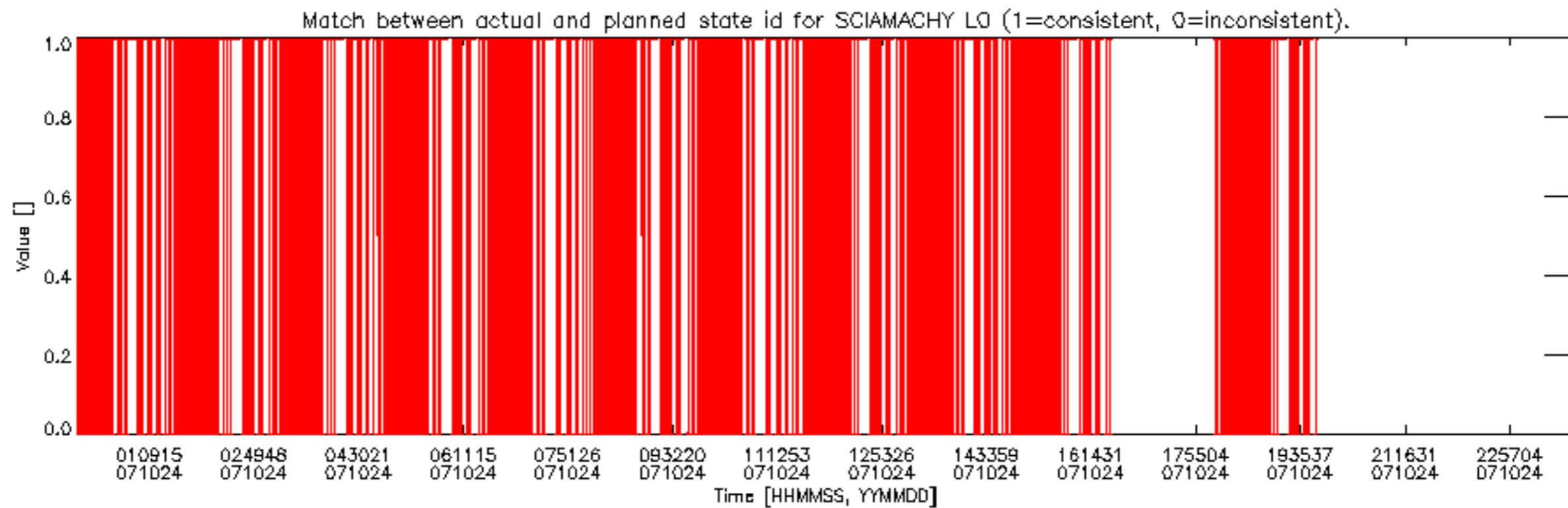
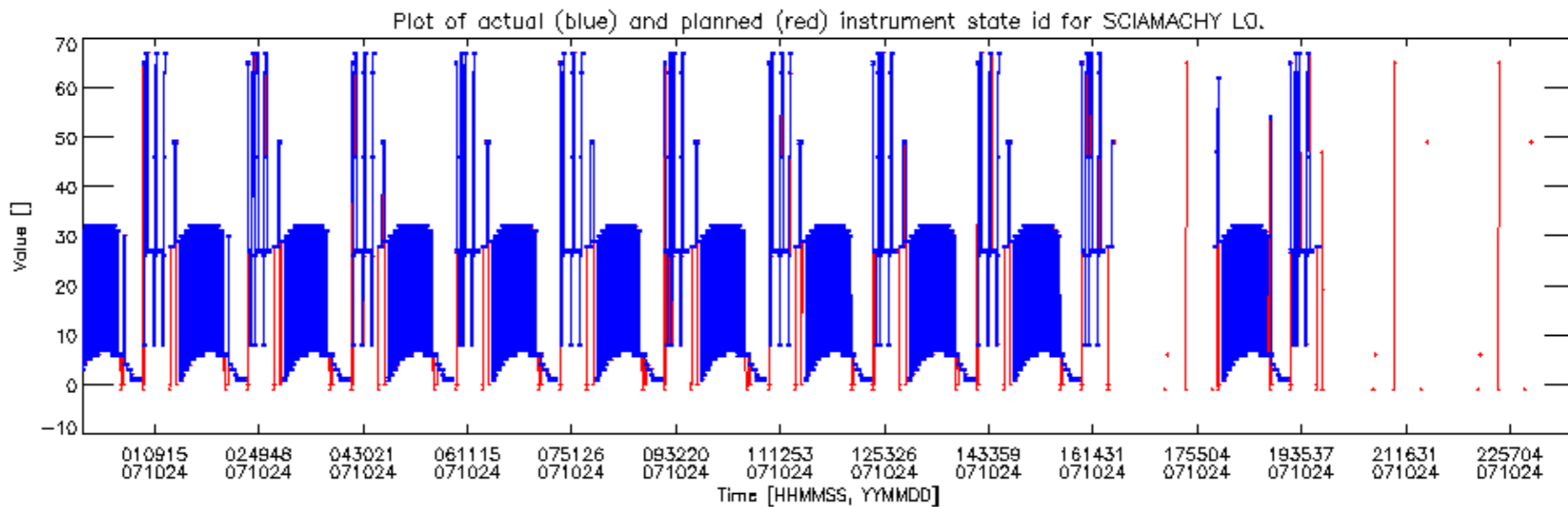












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 24OCT2007.  
 A medium gray color indicates the time span of available SCI\_NL\_1P products for this day.  
 The remaining colours indicate planned activities and/or special measurements.  
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

