

## 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	v1.4 20100407
Time of report generation	13NOV2010 03:16:08
Data source version	KSPT_L0/4504-N
Processing scope for products	08NOV2010 00:00:00 to 09NOV2010 00:00:00
Start time of first product within scope	08NOV2010 01:05:40
Stop time of last product within scope	09NOV2010 00:23:59
Total number of Level 0 products	14
Number of Level 0 products with errors	1

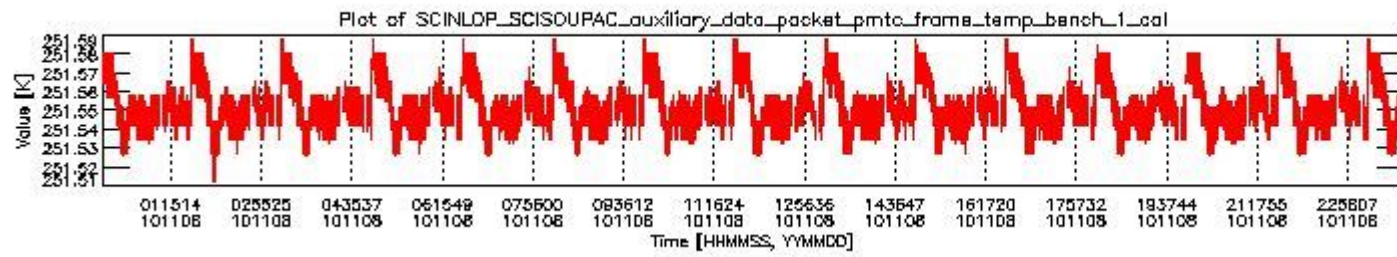
### 0.1.2 Summary per product

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

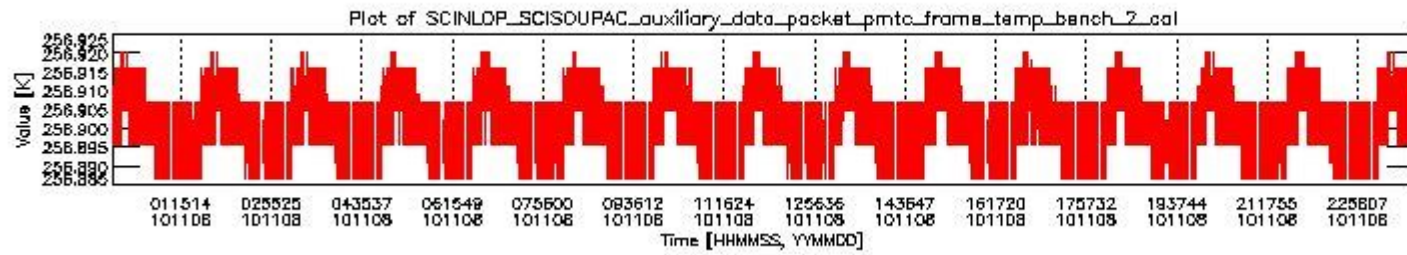
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20101108_010540_000101133096_00160_45433_1862.N1	08NOV2010 01:05:40	08NOV2010 03:54:12	0	0	0	0	0
1	SCI_NL__OPNPDE20101108_035304_000061913096_00162_45435_1863.N1	08NOV2010 03:53:04	08NOV2010 05:36:15	0	0	0	0	0
2	SCI_NL__OPNPDE20101108_053615_000060833096_00163_45436_1864.N1	08NOV2010 05:36:15	08NOV2010 07:17:38	0	0	0	0	0
3	SCI_NL__OPNPDK20101108_071738_000039283096_00164_45437_2912.N1	08NOV2010 07:17:38	08NOV2010 08:23:06	0	0	0	0	0
4	SCI_NL__OPNPDK20101108_082158_000060833096_00165_45438_2913.N1	08NOV2010 08:21:58	08NOV2010 10:03:20	0	0	0	0	0
5	SCI_NL__OPNPDK20101108_100226_000061233096_00166_45439_2914.N1	08NOV2010 10:02:26	08NOV2010 11:44:29	0	0	0	0	0
6	SCI_NL__OPNPDK20101108_114335_000059603096_00167_45440_2915.N1	08NOV2010 11:43:35	08NOV2010 13:22:55	0	0	0	0	0
7	SCI_NL__OPNPDK20101108_132146_000059063096_00168_45441_2916.N1	08NOV2010 13:21:46	08NOV2010 15:00:13	0	0	0	0	0
8	SCI_NL__OPNPDK20101108_145918_000058773096_00169_45442_2917.N1	08NOV2010 14:59:18	08NOV2010 16:37:15	0	0	0	0	0
9	SCI_NL__OPNPDK20101108_163715_000059593096_00170_45443_2918.N1	08NOV2010 16:37:15	08NOV2010 18:16:34	0	0	0	0	0
10	SCI_NL__OPNPDK20101108_181446_000059603096_00171_45444_2919.N1	08NOV2010 18:14:46	08NOV2010 19:54:06	1	1	0	0	0
11	SCI_NL__OPNPDE20101108_195406_000040423096_00172_45445_1865.N1	08NOV2010 19:54:06	08NOV2010 21:01:28	0	0	0	0	0
12	SCI_NL__OPNPDE20101108_210019_000061913096_00172_45445_1866.N1	08NOV2010 21:00:19	08NOV2010 22:43:30	0	0	0	0	0
13	SCI_NL__OPNPDE20101108_224847_000057113096_00173_45446_1867.N1	08NOV2010 22:48:47	09NOV2010 00:23:59	0	0	0	0	0

## 0.2 Product Quality Indicators

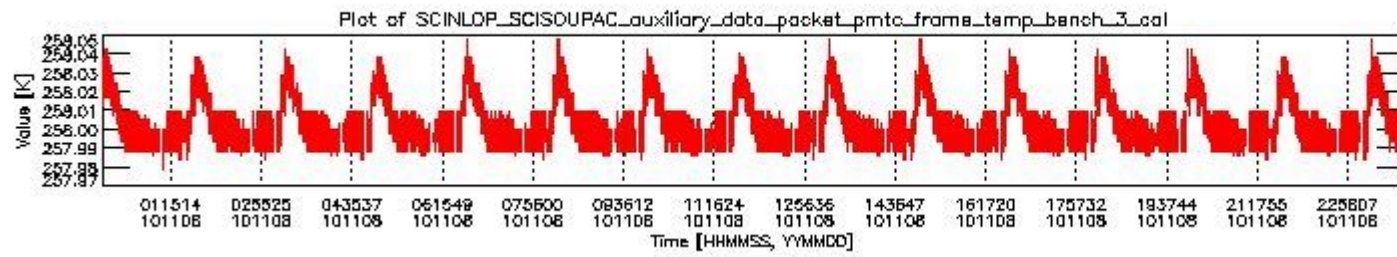
This section shows information about product quality, currently temperatures.



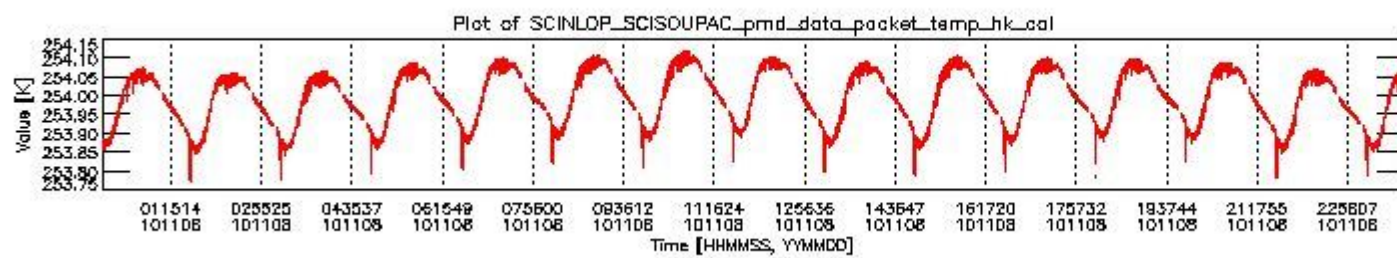
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101108\_0.PNG



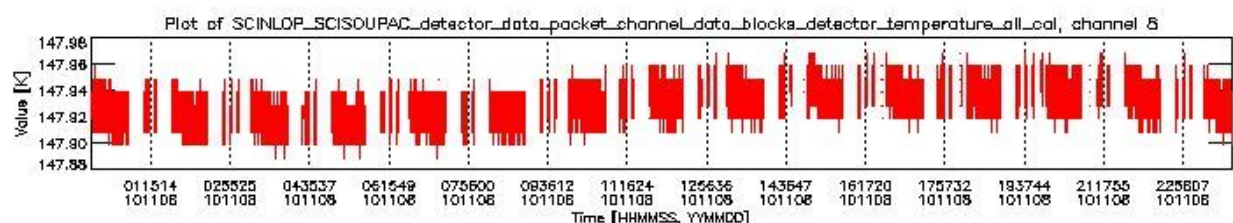
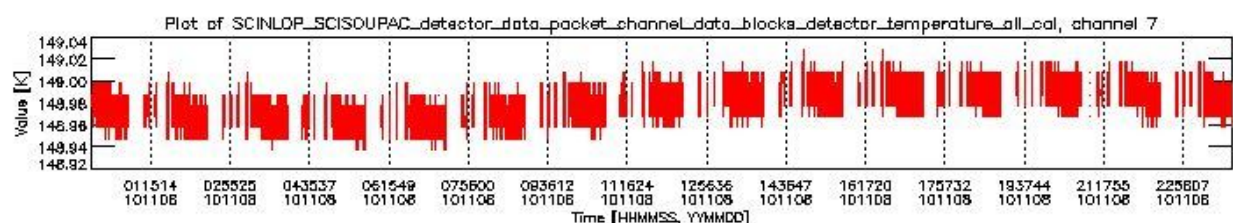
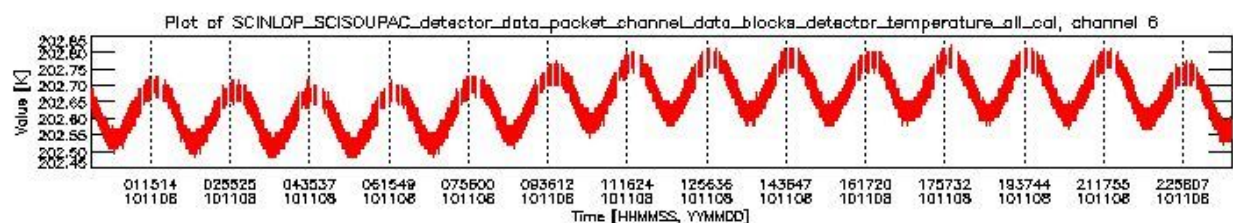
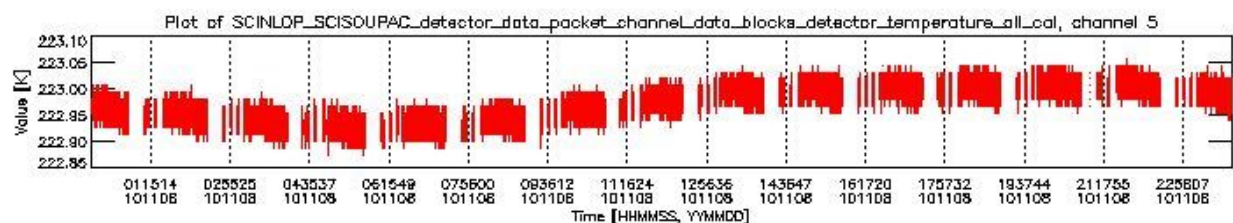
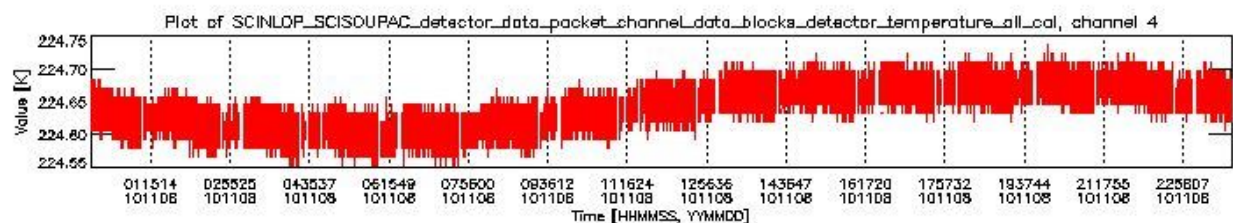
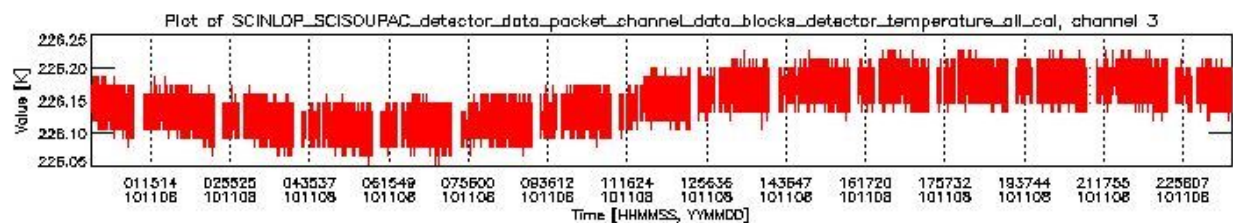
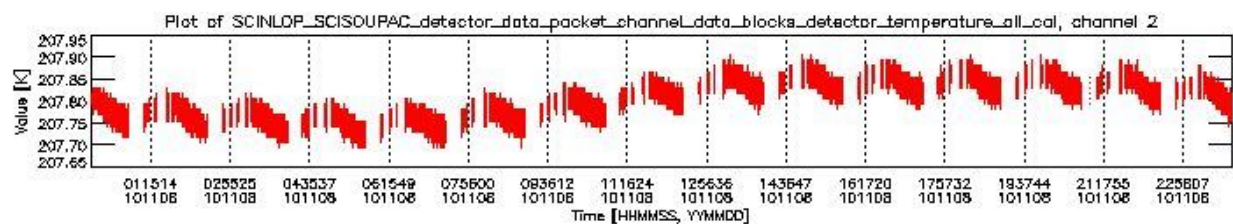
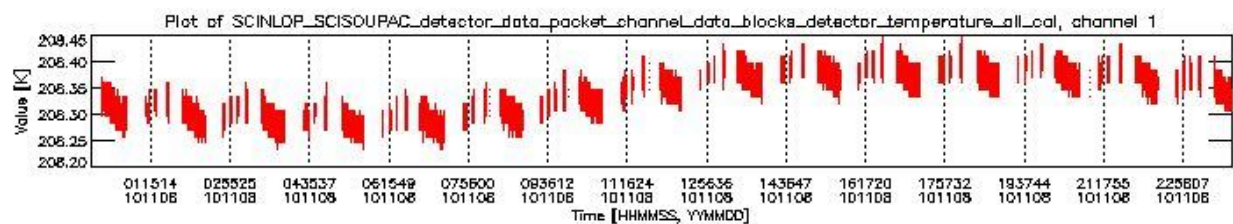
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sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101108\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101108\_3.PNG

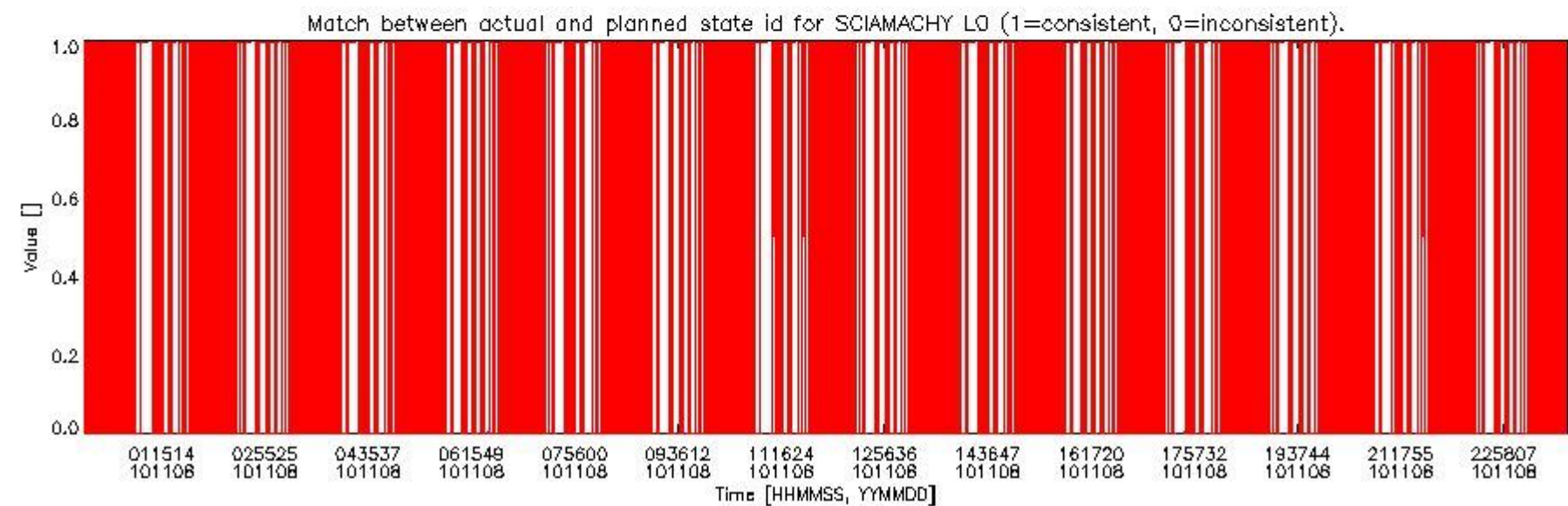
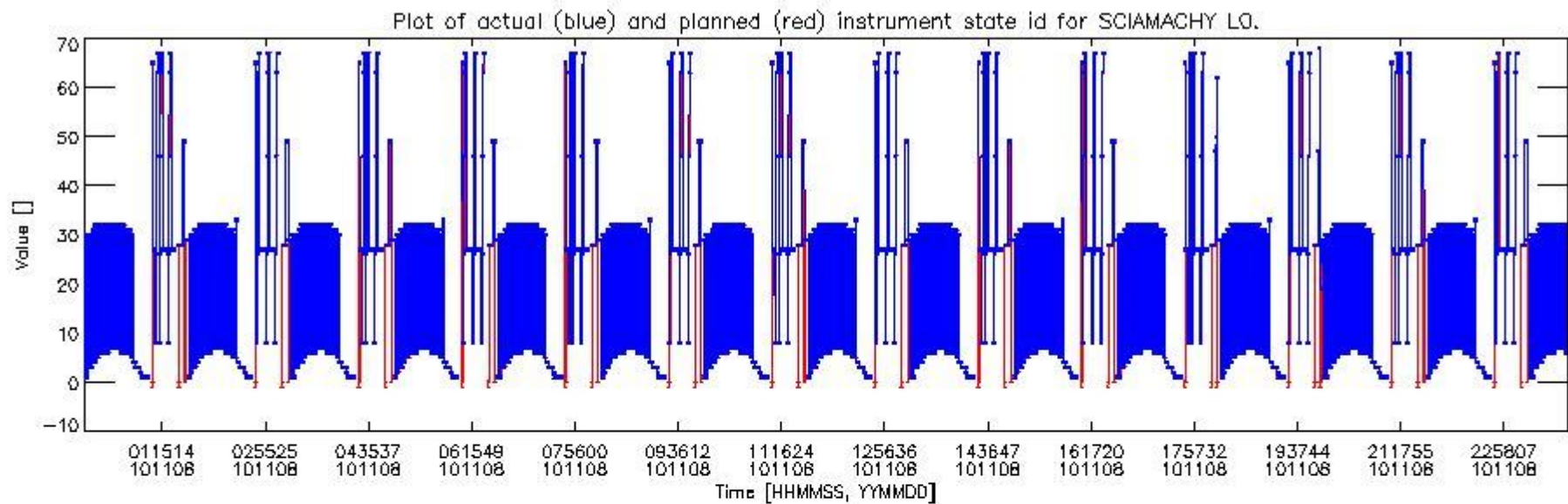


### 0.3 State monitoring

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: **29629**

#	Actual time	Actual value	Planned time	Planned value
0	08NOV2010 00:01:00.285755	30	08NOV2010 00:01:00.285755	1
1	08NOV2010 00:01:00.910755	30	08NOV2010 00:01:00.910755	1
2	08NOV2010 00:01:01.285755	30	08NOV2010 00:01:01.285755	1
3	08NOV2010 00:01:01.660755	30	08NOV2010 00:01:01.660755	1
4	08NOV2010 00:01:02.223255	30	08NOV2010 00:01:02.223255	1
5	08NOV2010 00:01:02.598255	30	08NOV2010 00:01:02.598255	1
6	08NOV2010 00:01:02.973255	30	08NOV2010 00:01:02.973255	1
7	08NOV2010 00:01:03.348255	30	08NOV2010 00:01:03.348255	1
8	08NOV2010 00:01:03.910755	30	08NOV2010 00:01:03.910755	1
9	08NOV2010 00:01:04.285755	30	08NOV2010 00:01:04.285755	1
10	08NOV2010 00:01:04.660755	30	08NOV2010 00:01:04.660755	1
11	08NOV2010 00:01:05.035755	30	08NOV2010 00:01:05.035755	1
12	08NOV2010 00:01:05.285755	30	08NOV2010 00:01:05.285755	1
13	08NOV2010 00:01:05.598255	30	08NOV2010 00:01:05.598255	1
14	08NOV2010 00:01:05.973255	30	08NOV2010 00:01:05.973255	1
15	08NOV2010 00:01:06.348255	30	08NOV2010 00:01:06.348255	1
16	08NOV2010 00:01:06.723255	30	08NOV2010 00:01:06.723255	1
17	08NOV2010 00:01:54.469356	1	08NOV2010 00:01:54.469356	30
18	08NOV2010 00:01:54.719356	1	08NOV2010 00:01:54.719356	30
19	08NOV2010 00:01:54.844356	1	08NOV2010 00:01:54.844356	30
...	...	...	...	...

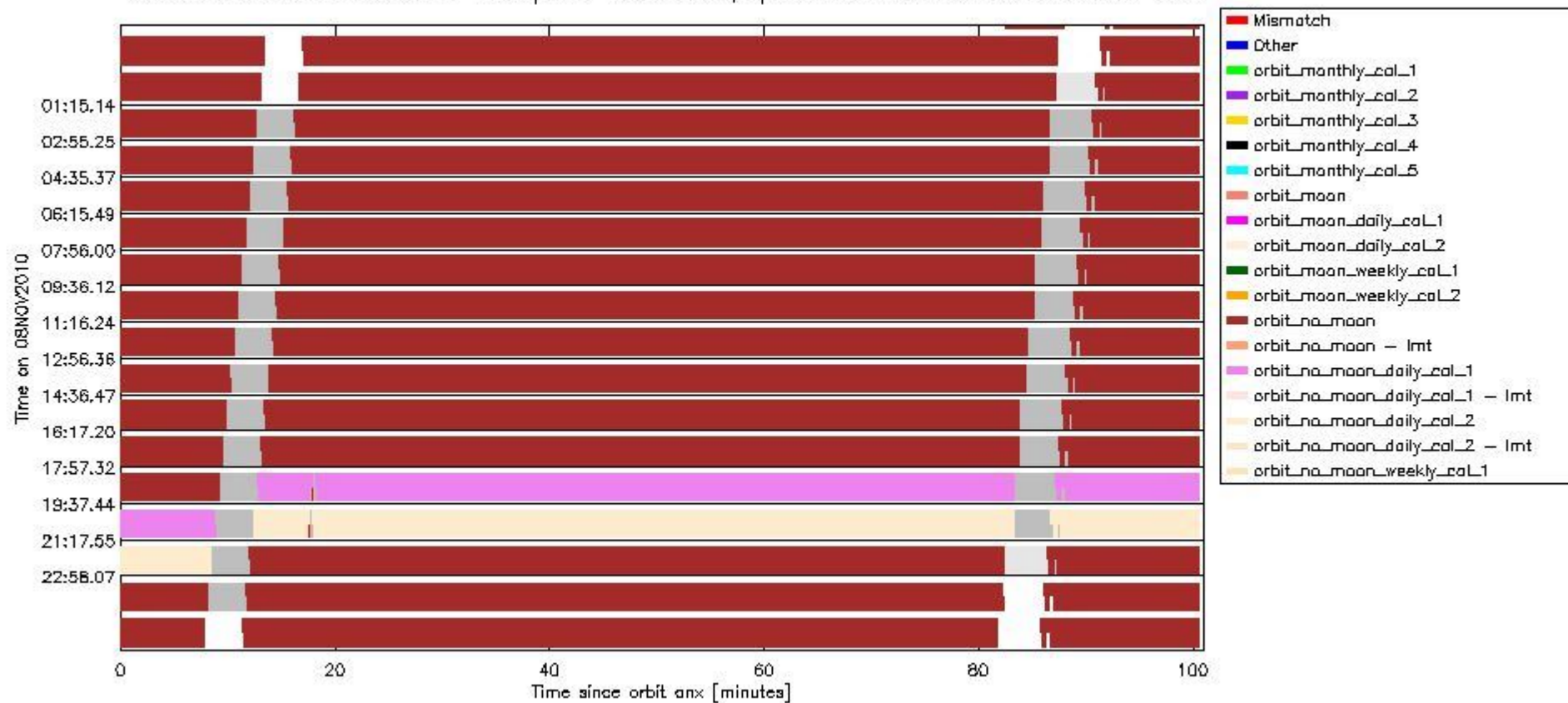


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101108\_5.PNG

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 08NOV2010.  
 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\_4504\_N\_20101108\_6.PNG

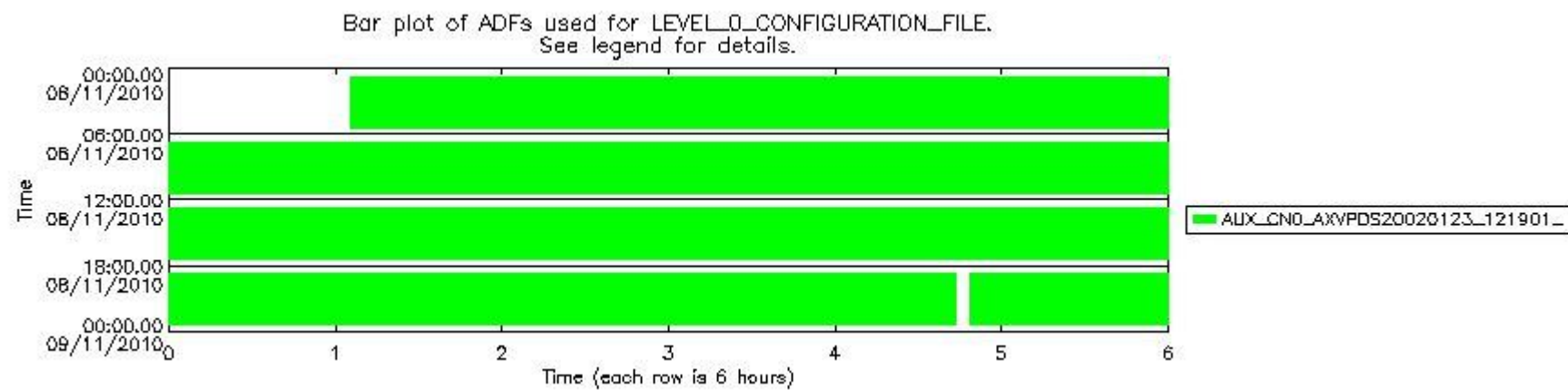
## 0.4 ADF monitoring

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

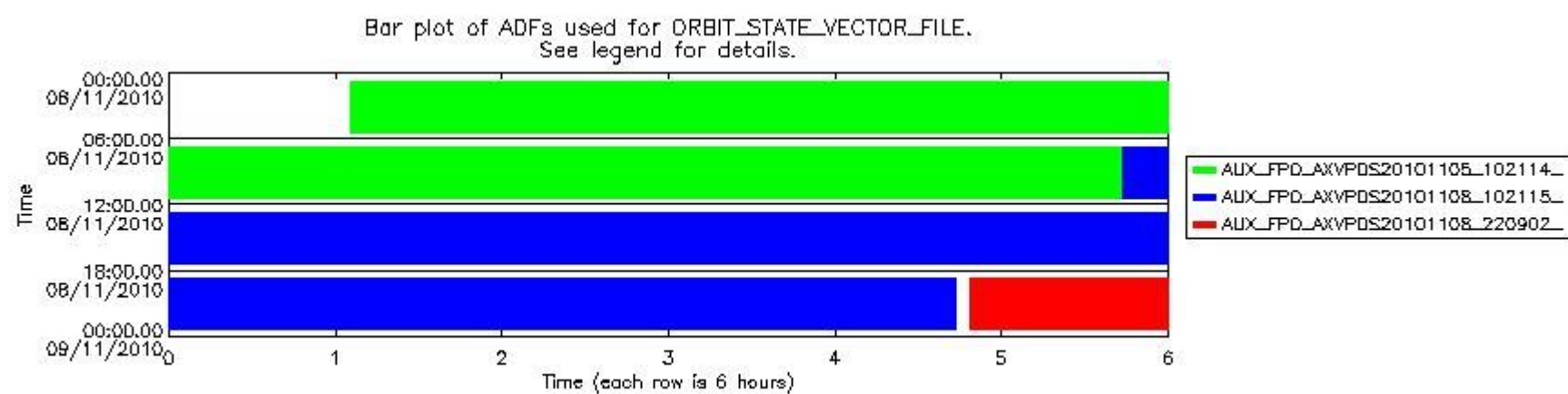
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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_AXVPDS20101105_102114_20101104_184405_20101114_205801</b>
2	<b>AUX_FPO_AXVPDS20101108_102115_20101106_191053_20101116_212448</b>
3	<b>AUX_FPO_AXVPDS20101108_220902_20101108_193740_20101118_201121</b>



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sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101108\_8.PNG

