

# 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	01MAY2008 05:05:45
Data source version	KSPT_L0/4303-N
Processing scope for products	27APR2008 00:00:00 to 28APR2008 00:00:00
Start time of first product within scope	26APR2008 22:30:32
Stop time of last product within scope	28APR2008 01:19:17
Total number of level 0 products	17
Number of level 0 products with errors	0

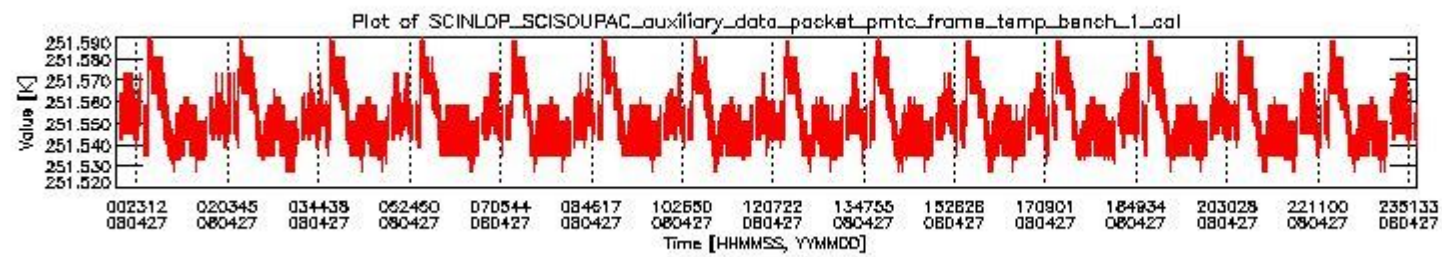
### 0.1.2 Summary per product

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

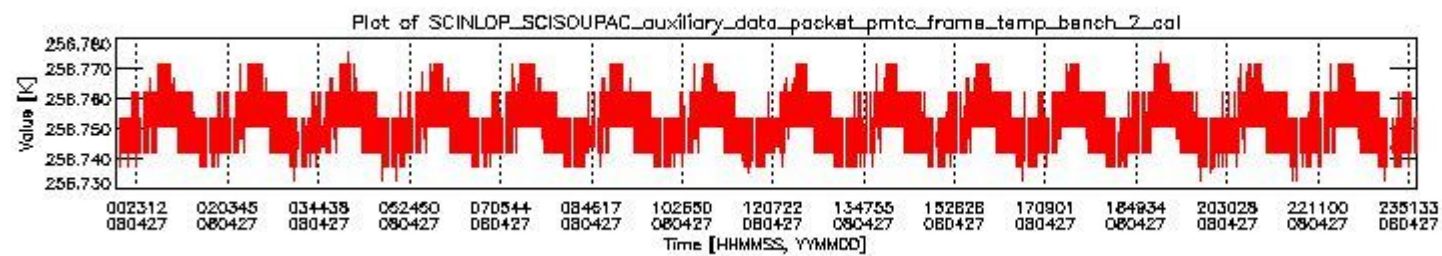
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080426_223032_000061242068_00072_32190_6564.N1	26APR2008 22:30:32	27APR2008 00:12:36	0	0	0	0	0
1	SCI_NL__OPNPDE20080427_001108_000059912068_00073_32191_6565.N1	27APR2008 00:11:08	27APR2008 01:51:00	0	0	0	0	0
2	SCI_NL__OPNPDE20080427_014936_000044022068_00074_32192_6566.N1	27APR2008 01:49:36	27APR2008 03:02:59	0	0	0	0	0
3	SCI_NL__OPNPDE20080427_030259_000061602068_00075_32193_6567.N1	27APR2008 03:02:59	27APR2008 04:45:39	0	0	0	0	0
4	SCI_NL__OPNPDE20080427_044443_000060232068_00076_32194_6568.N1	27APR2008 04:44:43	27APR2008 06:25:06	0	0	0	0	0
5	SCI_NL__OPNPDK20080427_062506_000041132068_00077_32195_8058.N1	27APR2008 06:25:06	27APR2008 07:33:39	0	0	0	0	0
6	SCI_NL__OPNPDK20080427_073339_000060912068_00078_32196_8059.N1	27APR2008 07:33:39	27APR2008 09:15:11	0	0	0	0	0
7	SCI_NL__OPNPDK20080427_091511_000059802068_00079_32197_8060.N1	27APR2008 09:15:11	27APR2008 10:54:50	0	0	0	0	0
8	SCI_NL__OPNPDK20080427_105354_000060232068_00080_32198_8061.N1	27APR2008 10:53:54	27APR2008 12:34:17	0	0	0	0	0
9	SCI_NL__OPNPDK20080427_123321_000059802068_00081_32199_8062.N1	27APR2008 12:33:21	27APR2008 14:13:01	0	0	0	0	0
10	SCI_NL__OPNPDK20080427_141152_000058432068_00082_32200_8063.N1	27APR2008 14:11:52	27APR2008 15:49:15	0	0	0	0	0
11	SCI_NL__OPNPDK20080427_154819_000060532068_00083_32201_8064.N1	27APR2008 15:48:19	27APR2008 17:29:12	0	0	0	0	0
12	SCI_NL__OPNPDK20080427_172816_000057872068_00084_32202_8065.N1	27APR2008 17:28:16	27APR2008 19:04:43	0	0	0	0	0
13	SCI_NL__OPNPDK20080427_190347_000061302068_00085_32203_8066.N1	27APR2008 19:03:47	27APR2008 20:45:57	0	0	0	0	0
14	SCI_NL__OPNPDE20080427_204406_000044842068_00086_32204_6569.N1	27APR2008 20:44:06	27APR2008 21:58:50	0	0	0	0	0
15	SCI_NL__OPNPDE20080427_215642_000062072068_00086_32204_6570.N1	27APR2008 21:56:42	27APR2008 23:40:10	0	0	0	0	0
16	SCI_NL__OPNPDE20080427_233926_000059912068_00087_32205_6571.N1	27APR2008 23:39:26	28APR2008 01:19:17	0	0	0	0	0

## 0.2 Product Quality Indicators

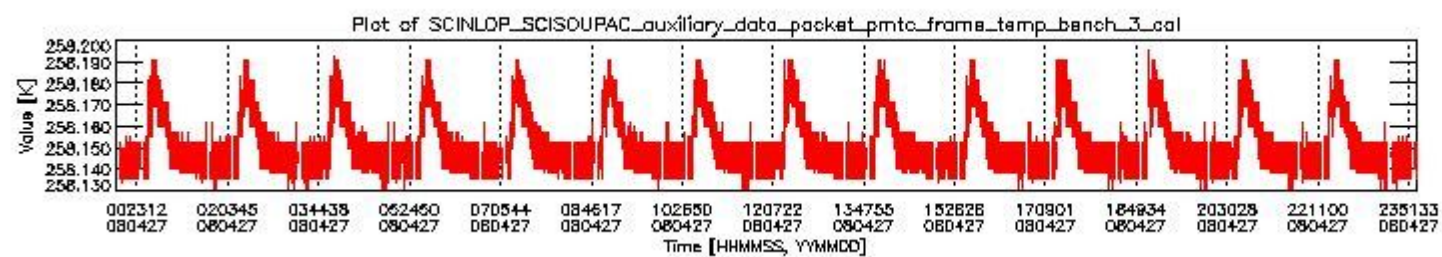
This section shows information about product quality, currently temperatures.



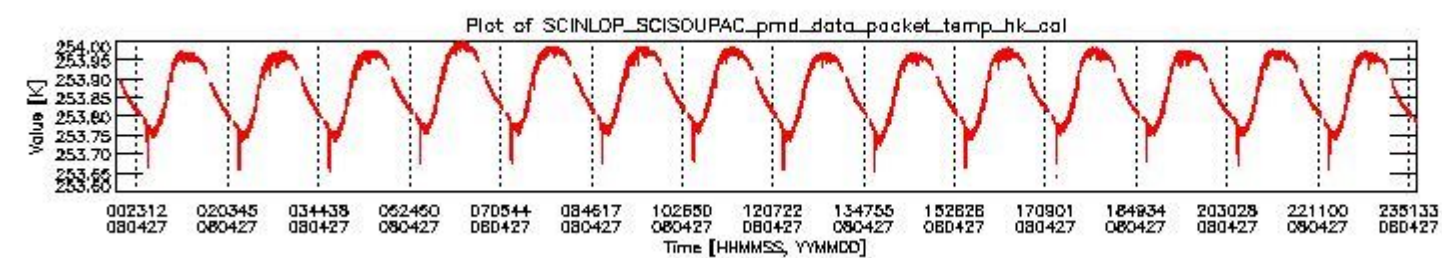
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080427\_0.PNG



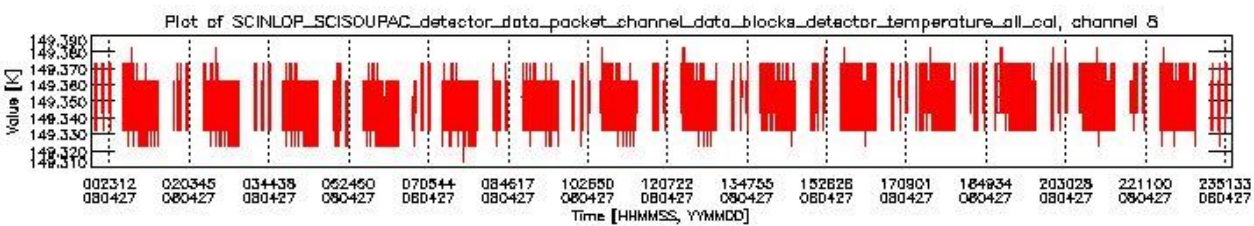
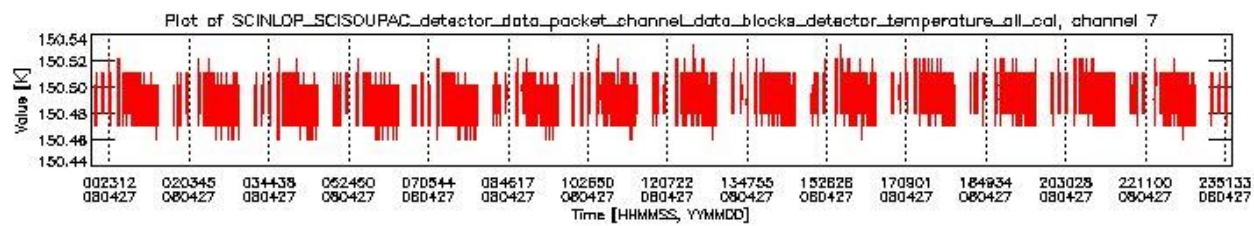
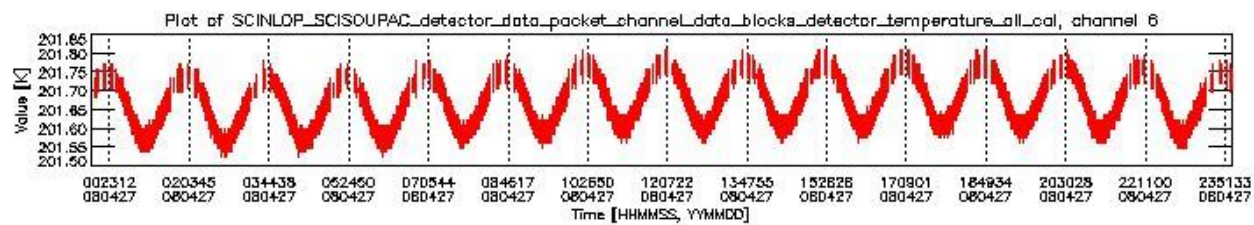
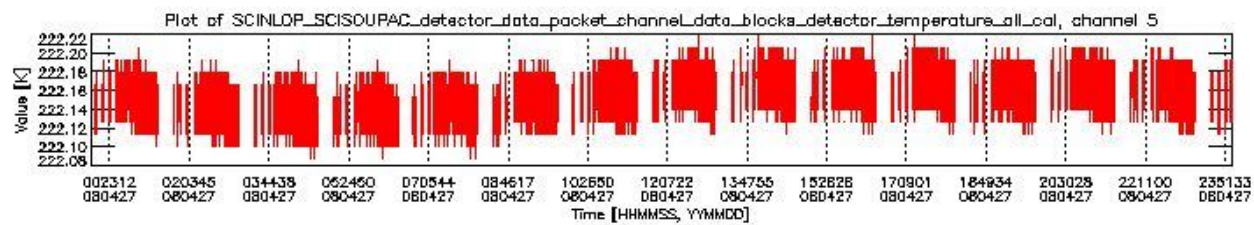
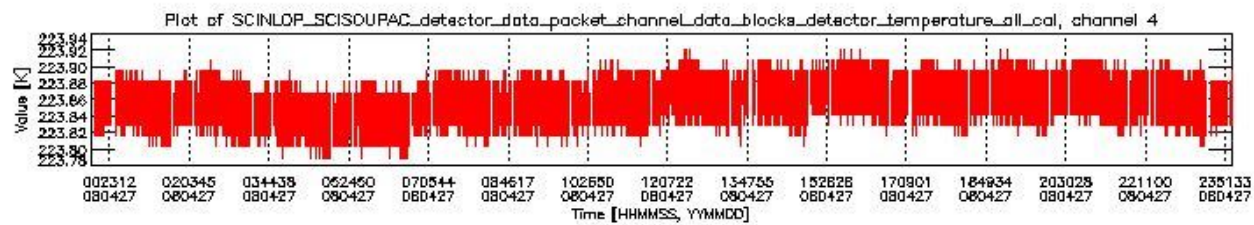
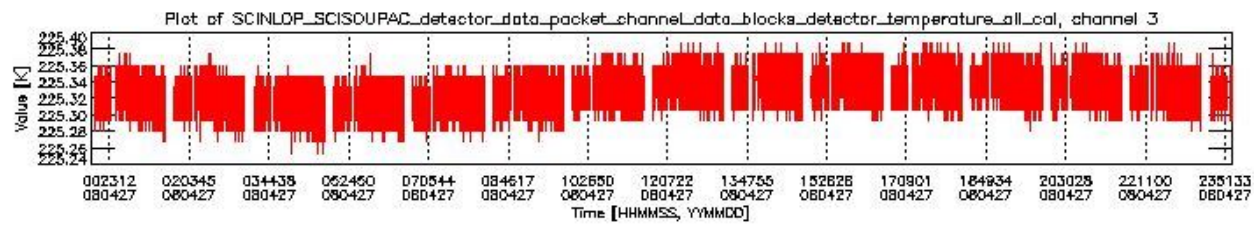
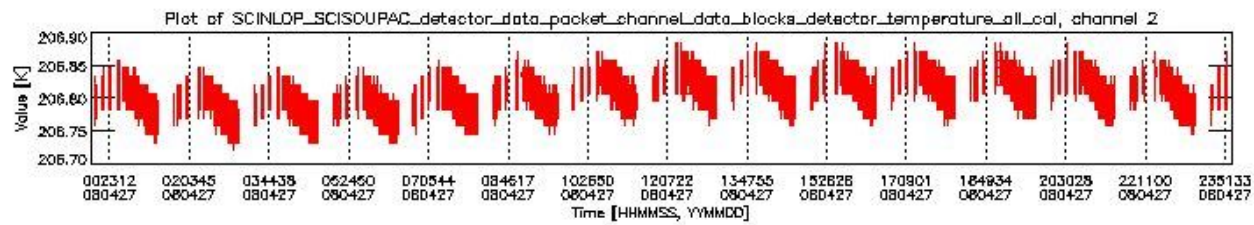
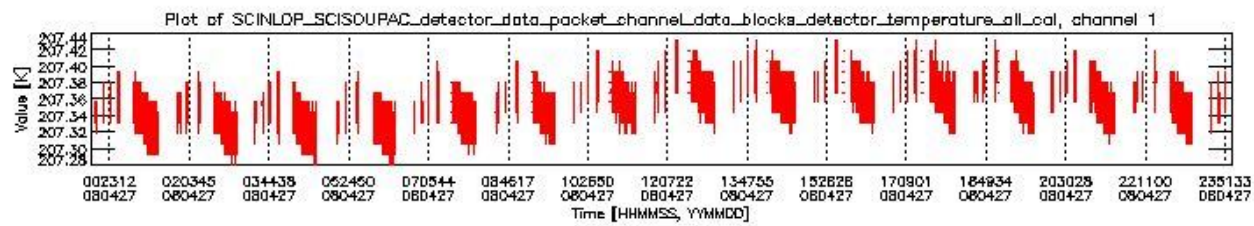
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sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080427\_3.PNG

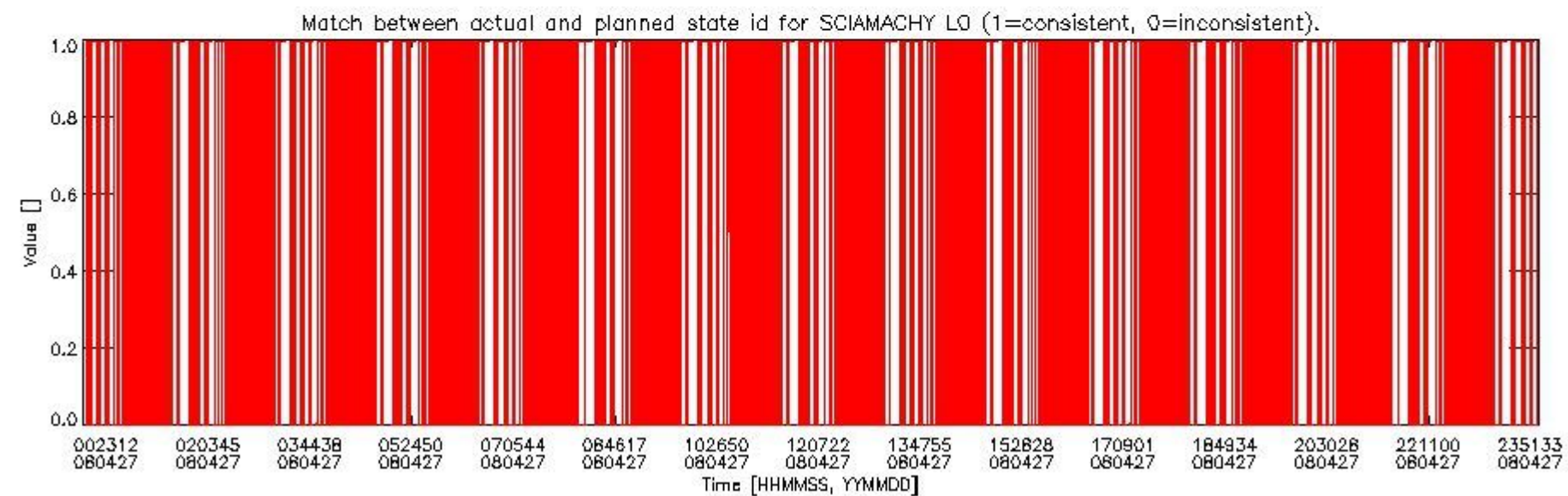
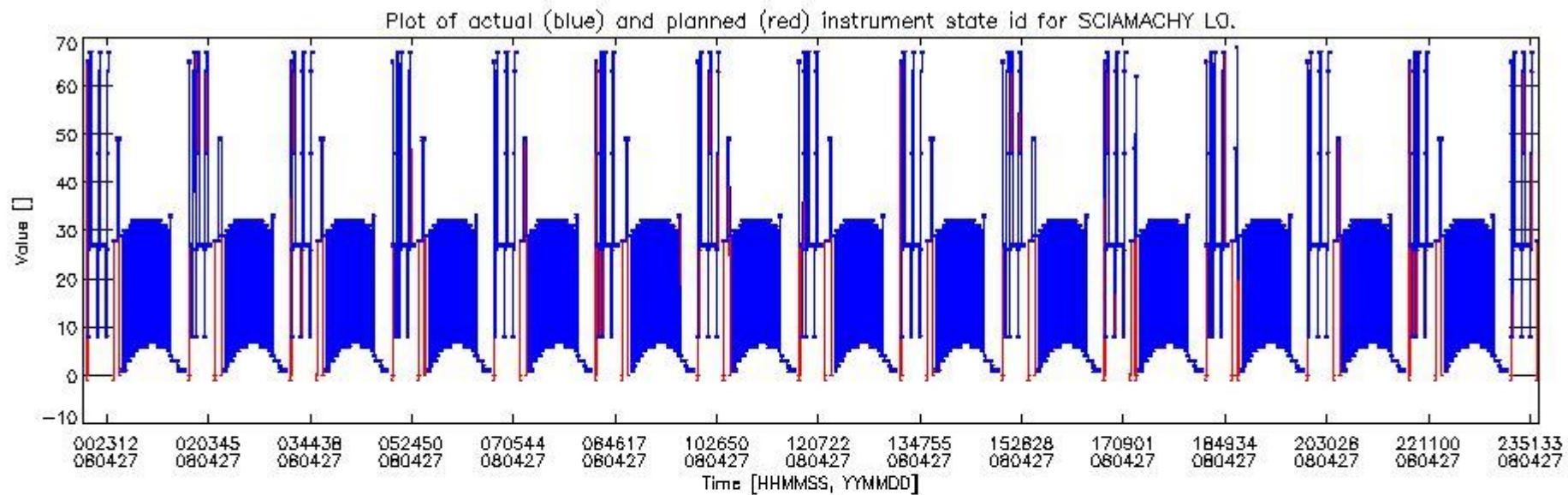


### 0.3 State monitoring

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: **44096**

#	Actual time	Actual value	Planned time	Planned value
0	27APR2008 00:04:01.050956	65	27APR2008 00:04:01.050956	0
1	27APR2008 00:04:01.675977	65	27APR2008 00:04:01.675977	0
2	27APR2008 00:04:02.175955	65	27APR2008 00:04:02.175955	0
3	27APR2008 00:04:02.675972	65	27APR2008 00:04:02.675972	0
4	27APR2008 00:04:03.175949	65	27APR2008 00:04:03.175949	0
5	27APR2008 00:04:03.675967	65	27APR2008 00:04:03.675967	0
6	27APR2008 00:04:04.175984	65	27APR2008 00:04:04.175984	0
7	27APR2008 00:04:04.675961	65	27APR2008 00:04:04.675961	0
8	27APR2008 00:04:05.175979	65	27APR2008 00:04:05.175979	0
9	27APR2008 00:04:05.675956	65	27APR2008 00:04:05.675956	0
10	27APR2008 00:04:06.050969	65	27APR2008 00:04:06.050969	0
11	27APR2008 00:04:06.175973	65	27APR2008 00:04:06.175973	0
12	27APR2008 00:04:06.675950	65	27APR2008 00:04:06.675950	0
13	27APR2008 00:04:07.175968	65	27APR2008 00:04:07.175968	0
14	27APR2008 00:04:07.675985	65	27APR2008 00:04:07.675985	0
15	27APR2008 00:04:08.175962	65	27APR2008 00:04:08.175962	0
16	27APR2008 00:04:44.808795	8	27APR2008 00:04:44.808795	0
17	27APR2008 00:04:45.933794	8	27APR2008 00:04:45.933794	0
18	27APR2008 00:04:46.933789	8	27APR2008 00:04:46.933789	0
19	27APR2008 00:04:47.933783	8	27APR2008 00:04:47.933783	0
	...	...	...	...

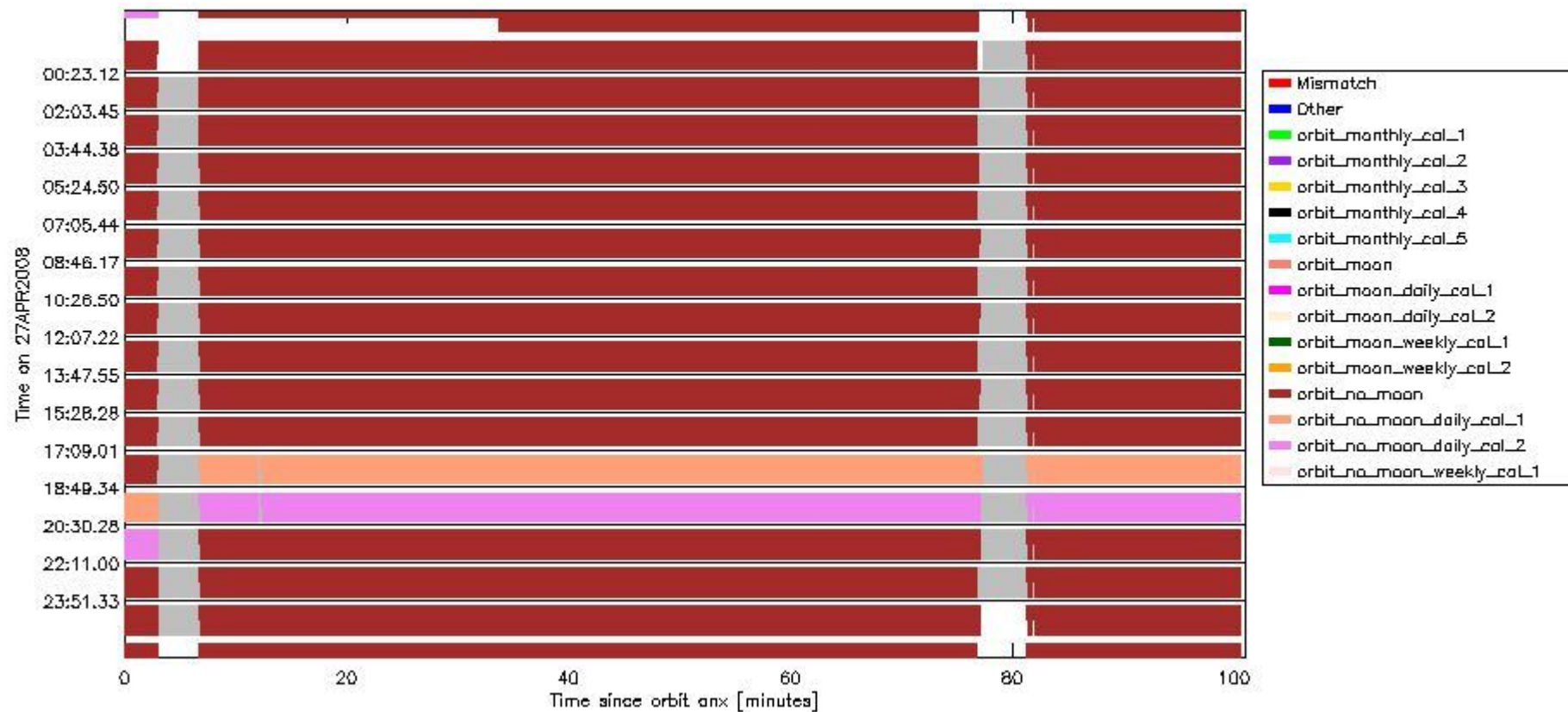


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This section gives an analysis of the DMOP execution. The execution is monitored by assigning various activities to timeline sequences found in the DMOP file, and by checking where "NEW" datasets are available in SCI\_NL\_\_1P products.

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 27APR2008.  
 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\_20080427\_6.PNG

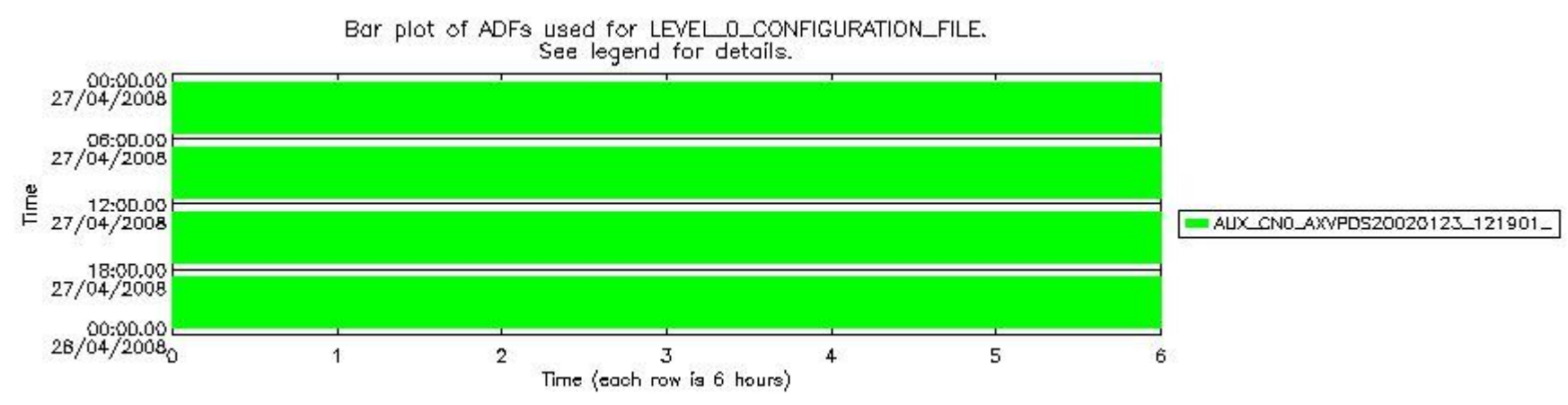
## 0.4 ADF monitoring

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

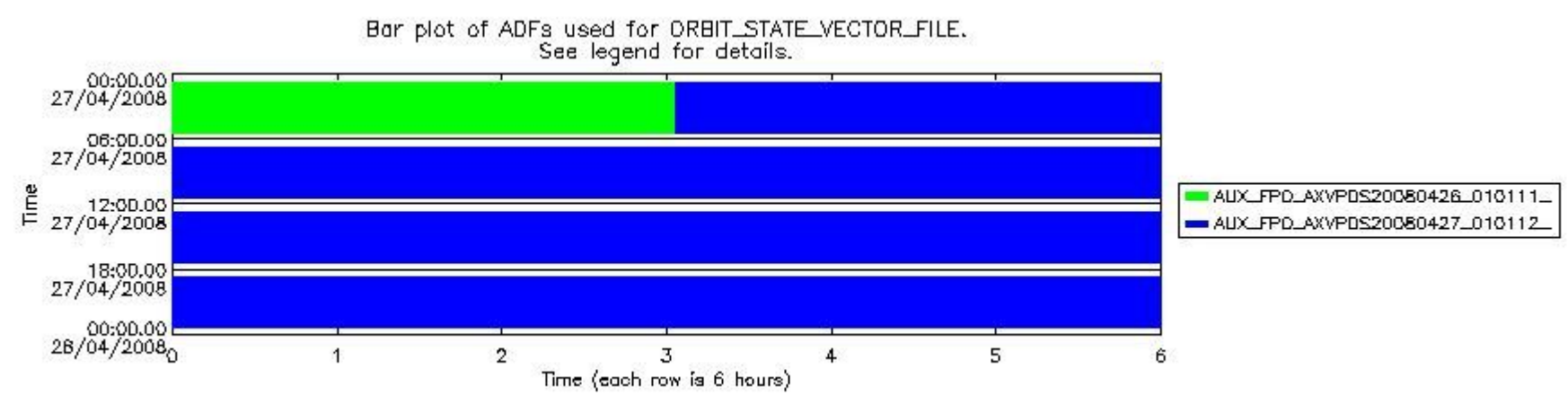
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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>
<b>1</b>	<b>AUX_FPO_AXVPDS20080426_010111_20080425_195300_20080505_211915</b>
<b>2</b>	<b>AUX_FPO_AXVPDS20080427_010112_20080426_192123_20080506_204738</b>



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080427\_7.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080427\_8.PNG

