

## 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	28FEB2008 13:32:12
Data source version	KSPT_L0/4303-N
Processing scope for products	24FEB2008 00:00:00 to 25FEB2008 00:00:00
Start time of first product within scope	23FEB2008 23:52:08
Stop time of last product within scope	25FEB2008 01:00:59
Total number of level 0 products	16
Number of level 0 products with errors	1

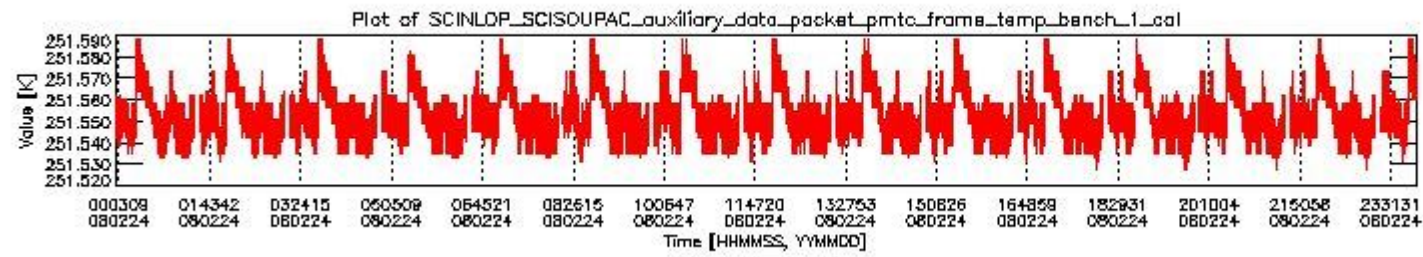
### 0.1.2 Summary per product

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

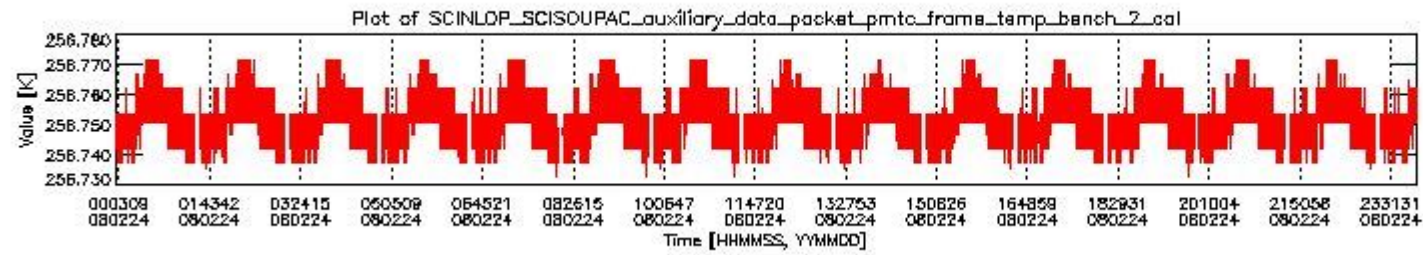
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080223_235208_000055872066_00173_31289_6198.N1	23FEB2008 23:52:08	24FEB2008 01:25:14	0	0	0	0	0
1	SCI_NL__OPNPDE20080224_013243_000044722066_00174_31290_6199.N1	24FEB2008 01:32:43	24FEB2008 02:47:15	0	0	0	0	0
2	SCI_NL__OPNPDE20080224_024715_000058422066_00175_31291_6200.N1	24FEB2008 02:47:15	24FEB2008 04:24:37	0	0	0	0	0
3	SCI_NL__OPNPDE20080224_042342_000061602066_00176_31292_6201.N1	24FEB2008 04:23:42	24FEB2008 06:06:22	0	0	0	0	0
4	SCI_NL__OPNPDK20080224_060526_000041562066_00177_31293_7473.N1	24FEB2008 06:05:26	24FEB2008 07:14:42	0	0	0	0	0
5	SCI_NL__OPNPDK20080224_071346_000061042066_00178_31294_7474.N1	24FEB2008 07:13:46	24FEB2008 08:55:30	0	0	0	0	0
6	SCI_NL__OPNPDK20080224_085422_000059112066_00179_31295_7475.N1	24FEB2008 08:54:22	24FEB2008 10:32:53	1	1	0	0	0
7	SCI_NL__OPNPDK20080224_103144_000061722066_00180_31296_7476.N1	24FEB2008 10:31:44	24FEB2008 12:14:37	0	0	0	0	0
8	SCI_NL__OPNPDK20080224_121232_000059672066_00181_31297_7477.N1	24FEB2008 12:12:32	24FEB2008 13:51:59	0	0	0	0	0
9	SCI_NL__OPNPDK20080224_135050_000059802066_00182_31298_7478.N1	24FEB2008 13:50:50	24FEB2008 15:30:30	0	0	0	0	0
10	SCI_NL__OPNPDK20080224_152934_000059522066_00183_31299_7479.N1	24FEB2008 15:29:34	24FEB2008 17:08:46	0	0	0	0	0
11	SCI_NL__OPNPDK20080224_170806_000059102066_00184_31300_7480.N1	24FEB2008 17:08:06	24FEB2008 18:46:36	0	0	0	0	0
12	SCI_NL__OPNPDK20080224_184636_000060352066_00185_31301_7481.N1	24FEB2008 18:46:36	24FEB2008 20:27:11	0	0	0	0	0
13	SCI_NL__OPNPDE20080224_202614_000039662066_00186_31302_6202.N1	24FEB2008 20:26:14	24FEB2008 21:32:20	0	0	0	0	0
14	SCI_NL__OPNPDE20080224_213948_000060792066_00186_31302_6203.N1	24FEB2008 21:39:48	24FEB2008 23:21:07	0	0	0	0	0
15	SCI_NL__OPNPDE20080224_232023_000060352066_00187_31303_6204.N1	24FEB2008 23:20:23	25FEB2008 01:00:59	0	0	0	0	0

## 0.2 Product Quality Indicators

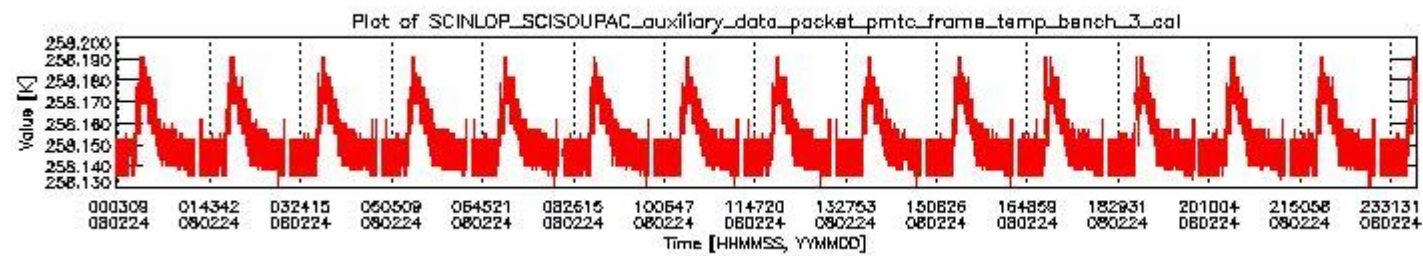
This section shows information about product quality, currently temperatures.



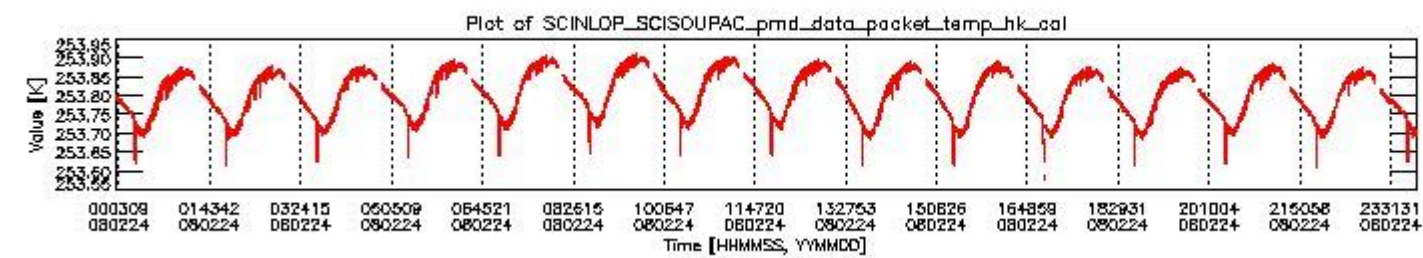
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080224\_0.PNG



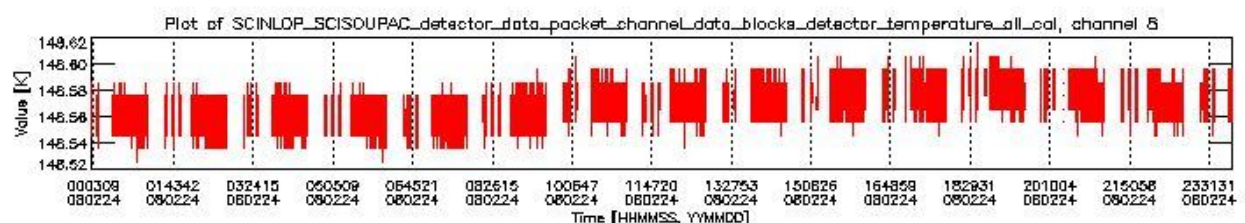
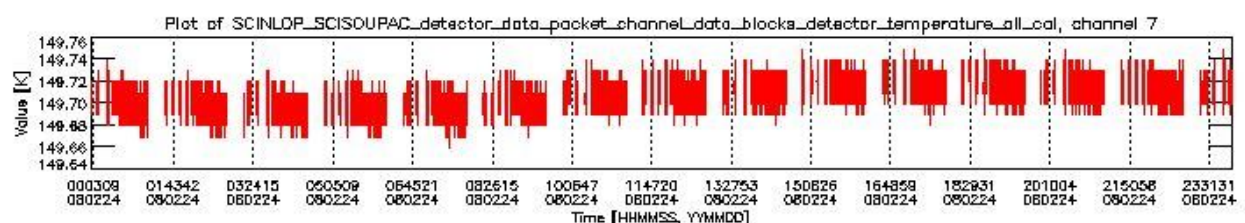
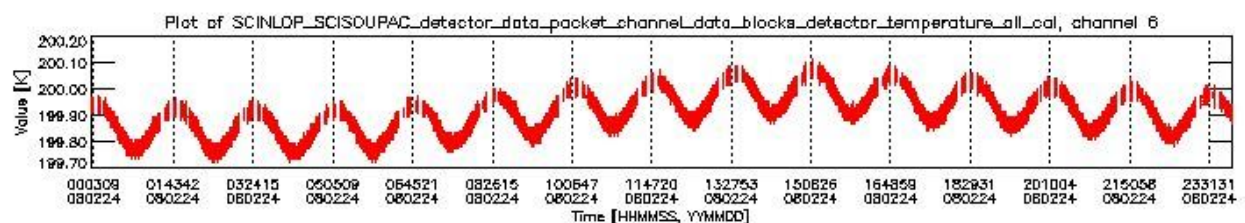
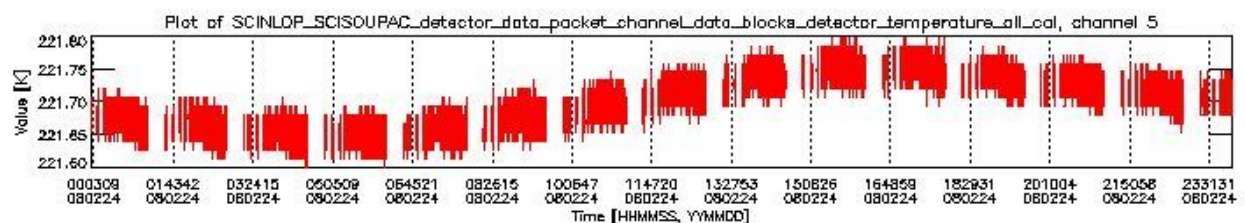
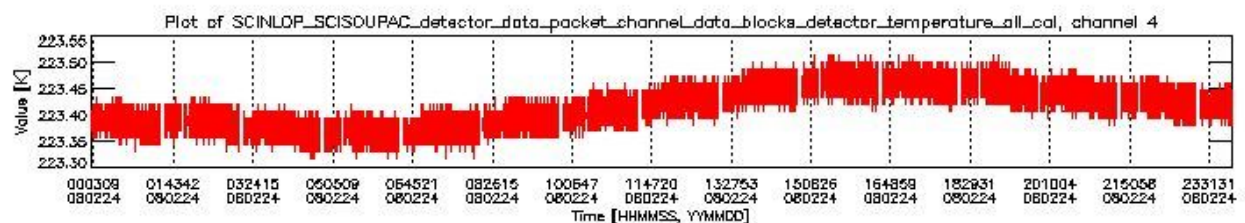
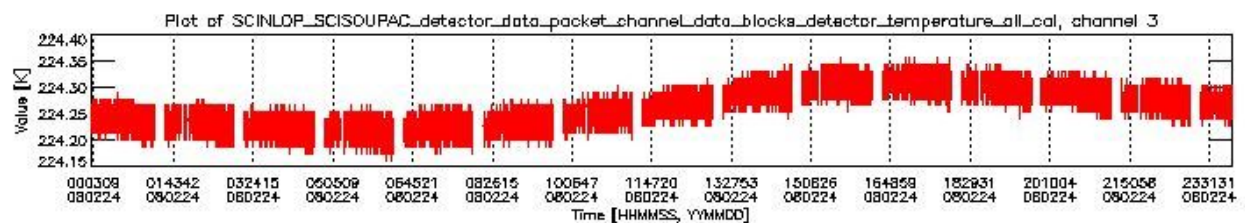
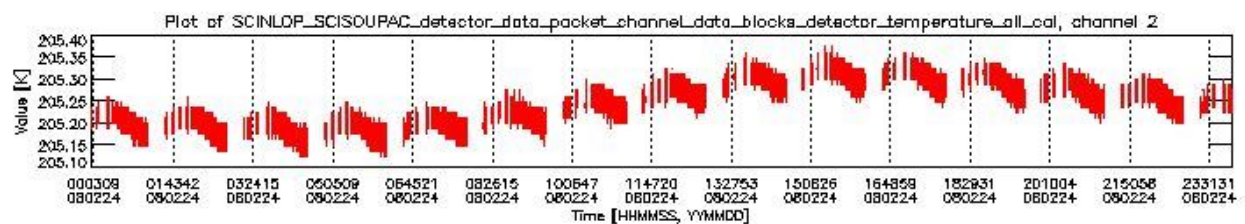
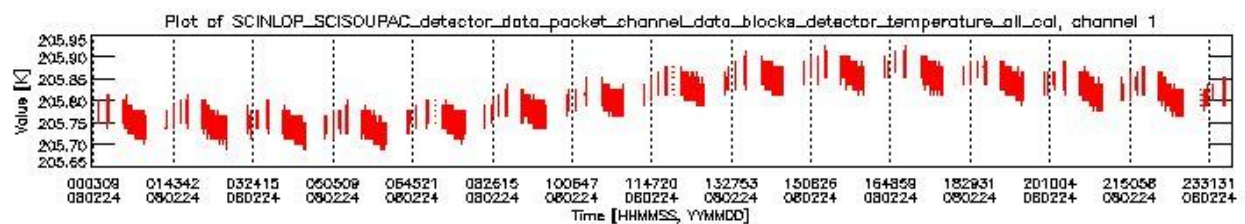
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sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080224\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080224\_3.PNG

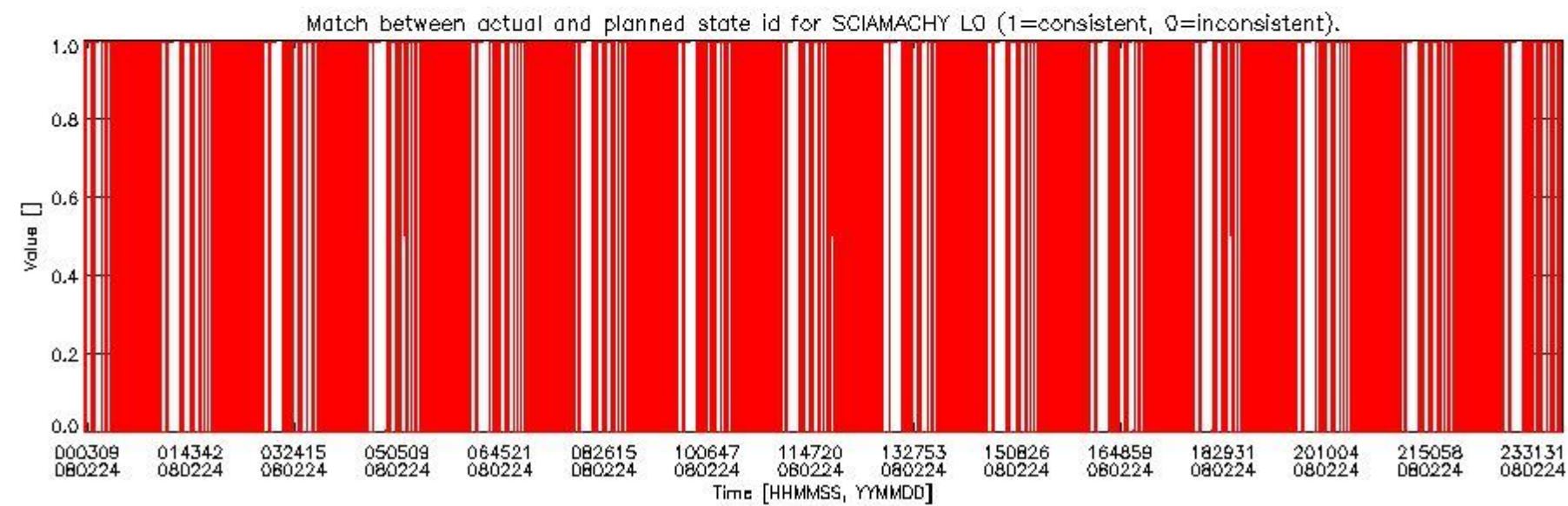
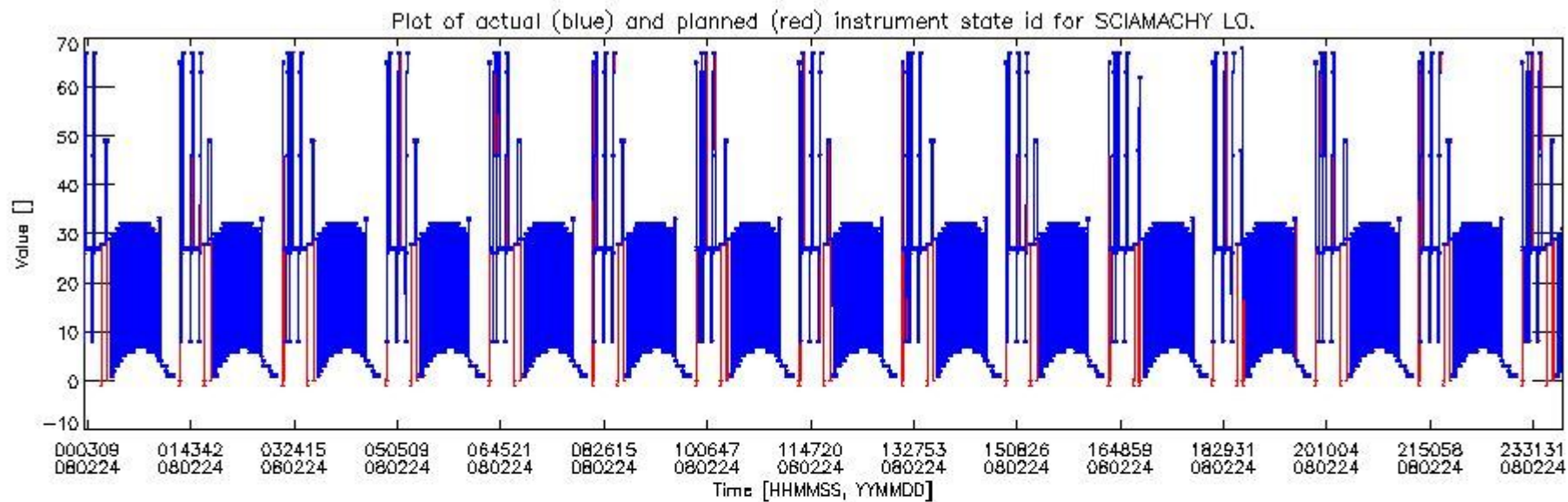


### 0.3 State monitoring

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: **39187**

#	Actual time	Actual value	Planned time	Planned value
0	24FEB2008 00:00:02.743135	63	24FEB2008 00:00:02.743135	46
1	24FEB2008 00:00:03.368157	63	24FEB2008 00:00:03.368157	46
2	24FEB2008 00:00:03.868175	63	24FEB2008 00:00:03.868175	46
3	24FEB2008 00:00:04.368152	63	24FEB2008 00:00:04.368152	46
4	24FEB2008 00:00:04.868169	63	24FEB2008 00:00:04.868169	46
5	24FEB2008 00:00:05.368146	63	24FEB2008 00:00:05.368146	46
6	24FEB2008 00:00:05.868164	63	24FEB2008 00:00:05.868164	46
7	24FEB2008 00:00:06.368141	63	24FEB2008 00:00:06.368141	46
8	24FEB2008 00:00:06.868158	63	24FEB2008 00:00:06.868158	46
9	24FEB2008 00:00:07.368135	63	24FEB2008 00:00:07.368135	46
10	24FEB2008 00:00:07.743149	63	24FEB2008 00:00:07.743149	46
11	24FEB2008 00:00:07.868153	63	24FEB2008 00:00:07.868153	46
12	24FEB2008 00:00:08.368170	63	24FEB2008 00:00:08.368170	46
13	24FEB2008 00:00:08.868147	63	24FEB2008 00:00:08.868147	46
14	24FEB2008 00:00:09.368165	63	24FEB2008 00:00:09.368165	46
15	24FEB2008 00:00:09.868142	63	24FEB2008 00:00:09.868142	46
16	24FEB2008 00:00:10.368159	63	24FEB2008 00:00:10.368159	46
17	24FEB2008 00:00:10.868137	63	24FEB2008 00:00:10.868137	46
18	24FEB2008 00:00:11.368154	63	24FEB2008 00:00:11.368154	46
19	24FEB2008 00:00:36.301754	67	24FEB2008 00:00:36.301754	63
	...	...	...	...

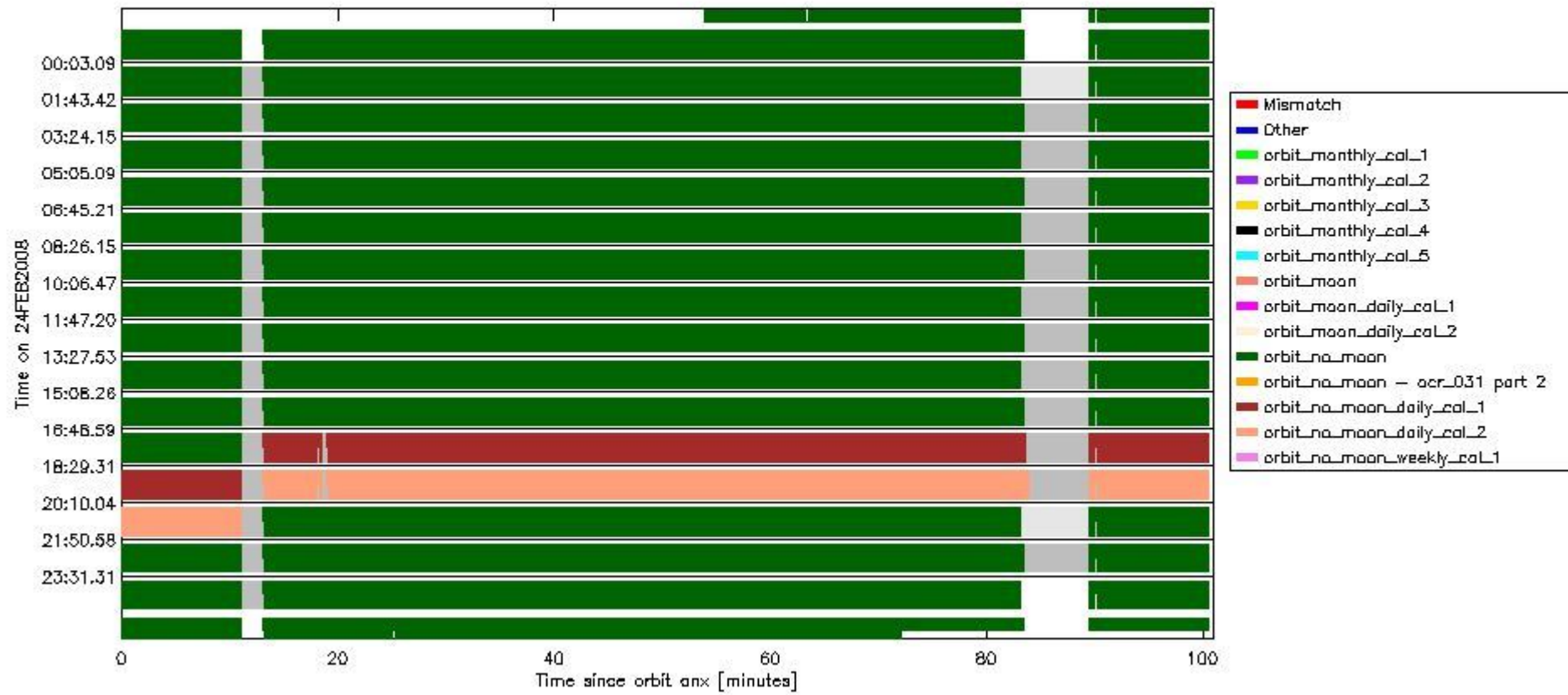


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080224\_5.PNG

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 24FEB2008.  
 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\_20080224\_6.PNG

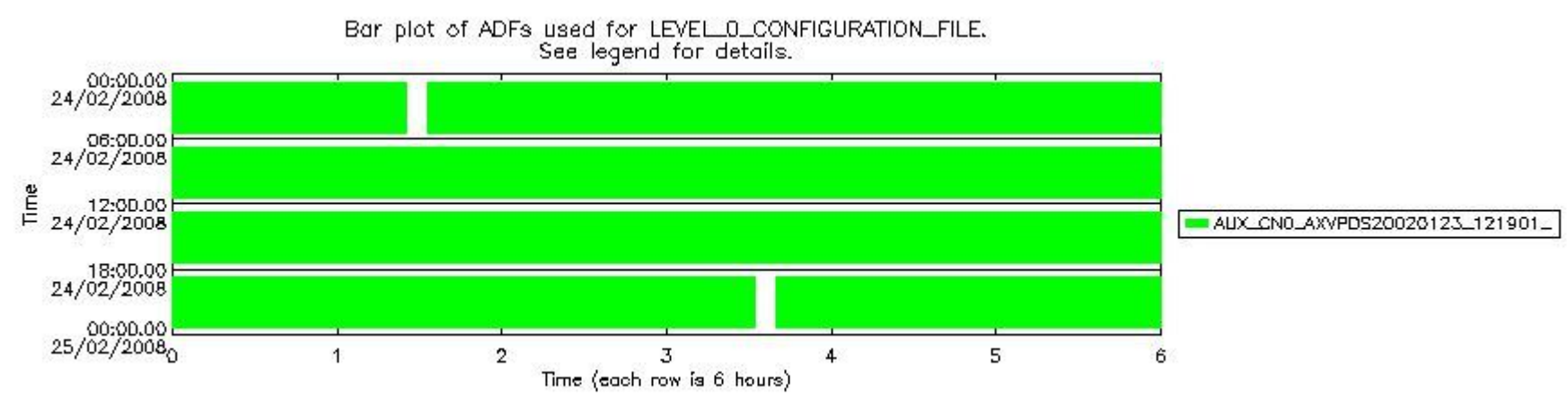
## 0.4 ADF monitoring

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

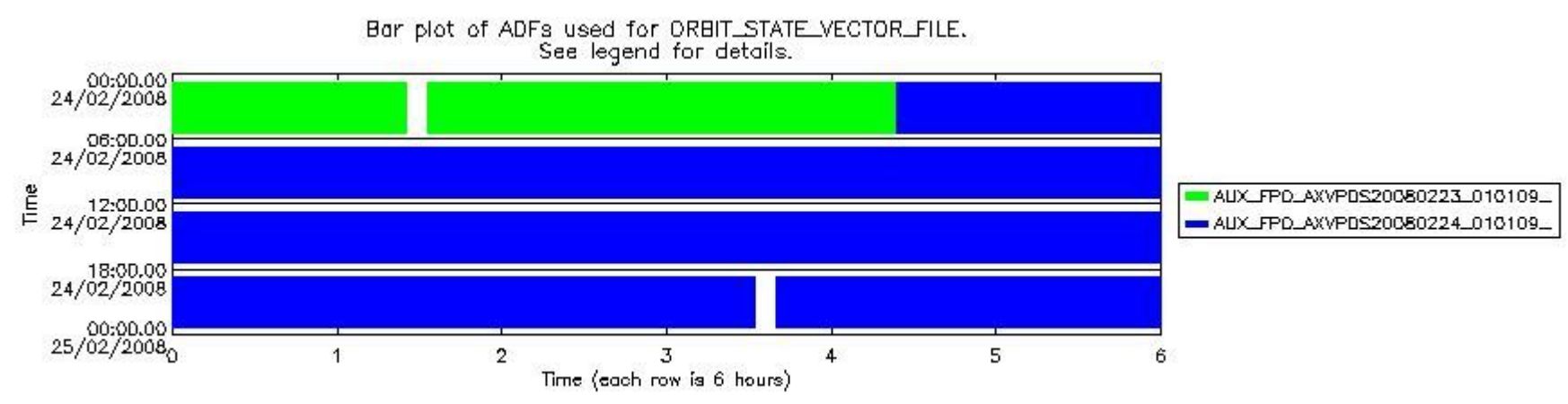
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20080223_010109_20080222_193254_20080303_205909</b>
2	<b>AUX_FPO_AXVPDS20080224_010109_20080223_190118_20080304_202732</b>



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080224\_7.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080224\_8.PNG

