

## 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	12FEB2008 12:52:05
Data source version	KSPT_L0/4303-N
Processing scope for products	10FEB2008 00:00:00 to 11FEB2008 00:00:00
Start time of first product within scope	09FEB2008 22:53:27
Stop time of last product within scope	10FEB2008 23:54:44
Total number of level 0 products	17
Number of level 0 products with errors	1

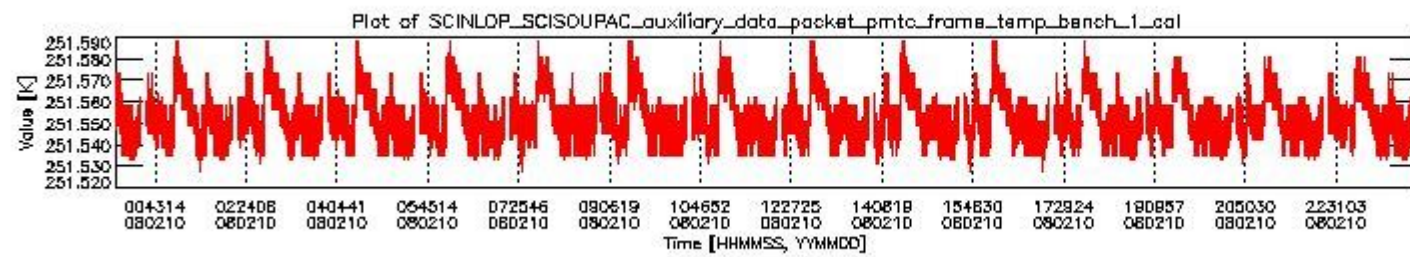
### 0.1.2 Summary per product

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

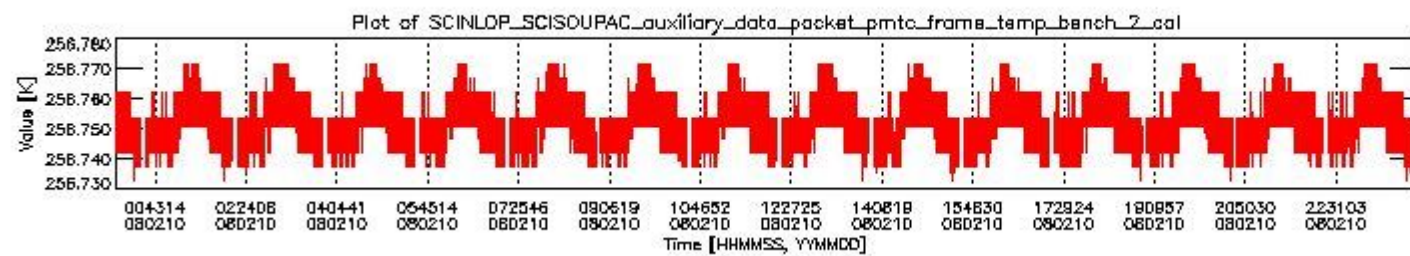
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080209_225327_000055802065_00473_31088_6110.N1	09FEB2008 22:53:27	10FEB2008 00:26:27	0	0	0	0	0
1	SCI_NL__OPNPDE20080210_003402_000055932065_00474_31089_6111.N1	10FEB2008 00:34:02	10FEB2008 02:07:15	0	0	0	0	0
2	SCI_NL__OPNPDE20080210_020715_000048392065_00475_31090_6112.N1	10FEB2008 02:07:15	10FEB2008 03:27:55	0	0	0	0	0
3	SCI_NL__OPNPDE20080210_032755_000058552065_00476_31091_6113.N1	10FEB2008 03:27:55	10FEB2008 05:05:30	0	0	0	0	0
4	SCI_NL__OPNPDE20080210_050434_000060912065_00477_31092_6114.N1	10FEB2008 05:04:34	10FEB2008 06:46:06	0	0	0	0	0
5	SCI_NL__OPNPDK20080210_064457_000040572065_00478_31093_7352.N1	10FEB2008 06:44:57	10FEB2008 07:52:34	0	0	0	0	0
6	SCI_NL__OPNPDK20080210_075126_000061602065_00479_31094_7353.N1	10FEB2008 07:51:26	10FEB2008 09:34:06	0	0	0	0	0
7	SCI_NL__OPNPDK20080210_093257_000060482065_00480_31095_7354.N1	10FEB2008 09:32:57	10FEB2008 11:13:45	0	0	0	0	0
8	SCI_NL__OPNPDK20080210_111237_000060912065_00481_31096_7355.N1	10FEB2008 11:12:37	10FEB2008 12:54:08	1	1	0	0	0
9	SCI_NL__OPNPDK20080210_125408_000059242065_00482_31097_7356.N1	10FEB2008 12:54:08	10FEB2008 14:32:52	0	0	0	0	0
10	SCI_NL__OPNPDK20080210_143143_000024892065_00483_31098_7357.N1	10FEB2008 14:31:43	10FEB2008 15:13:12	0	0	0	0	0
11	SCI_NL__OPNPDK20080210_151312_000032412065_00483_31098_7358.N1	10FEB2008 15:13:12	10FEB2008 16:07:13	0	0	0	0	0
12	SCI_NL__OPNPDK20080210_160713_000060362065_00484_31099_7359.N1	10FEB2008 16:07:13	10FEB2008 17:47:49	0	0	0	0	0
13	SCI_NL__OPNPDK20080210_174652_000059802065_00485_31100_7360.N1	10FEB2008 17:46:52	10FEB2008 19:26:31	0	0	0	0	0
14	SCI_NL__OPNPDK20080210_192440_000061472065_00486_31101_7361.N1	10FEB2008 19:24:40	10FEB2008 21:07:07	0	0	0	0	0
15	SCI_NL__OPNPDE20080210_210515_000041462065_00487_31102_6115.N1	10FEB2008 21:05:15	10FEB2008 22:14:21	0	0	0	0	0
16	SCI_NL__OPNPDE20080210_222144_000055802065_00487_31102_6116.N1	10FEB2008 22:21:44	10FEB2008 23:54:44	0	0	0	0	0

## 0.2 Product Quality Indicators

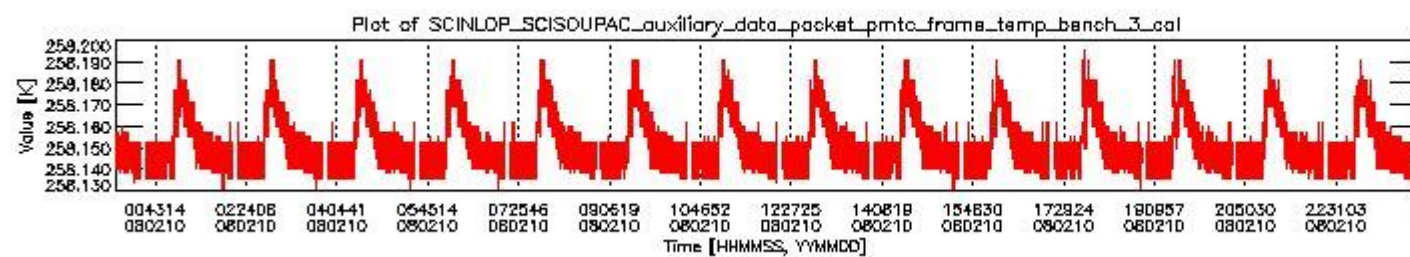
This section shows information about product quality, currently temperatures.



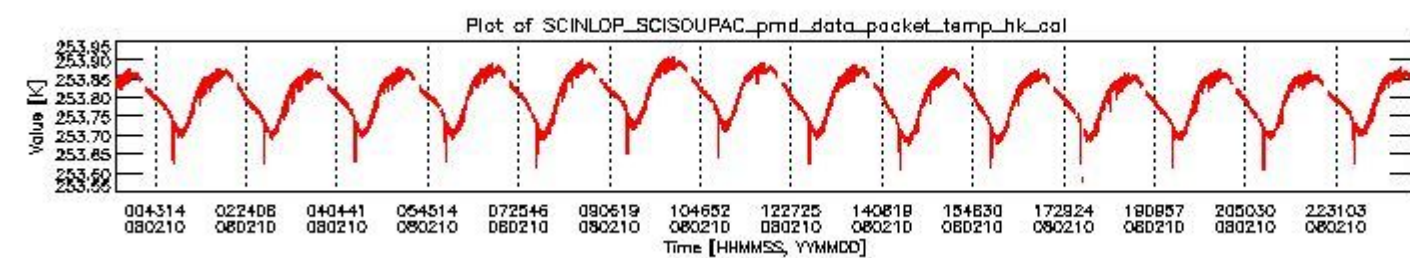
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080210\_0.PNG



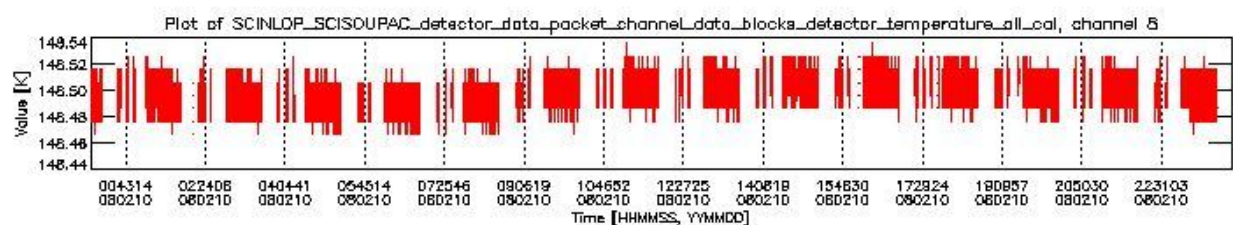
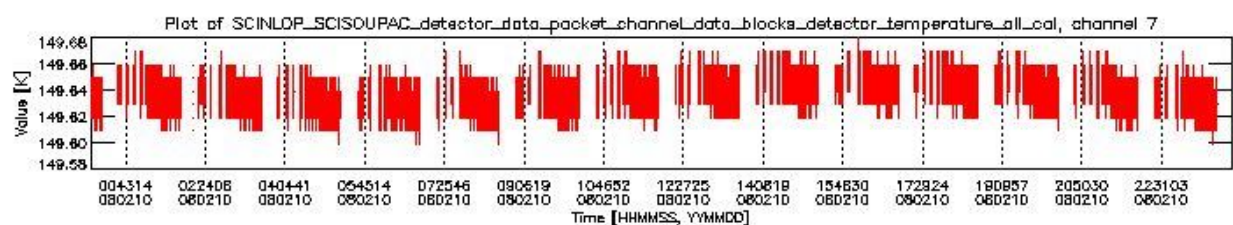
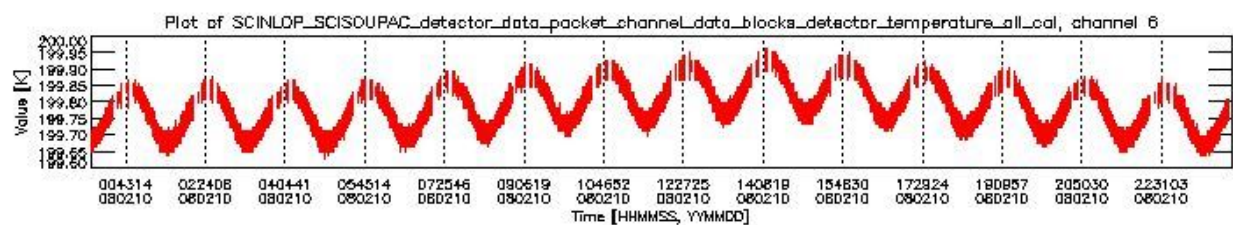
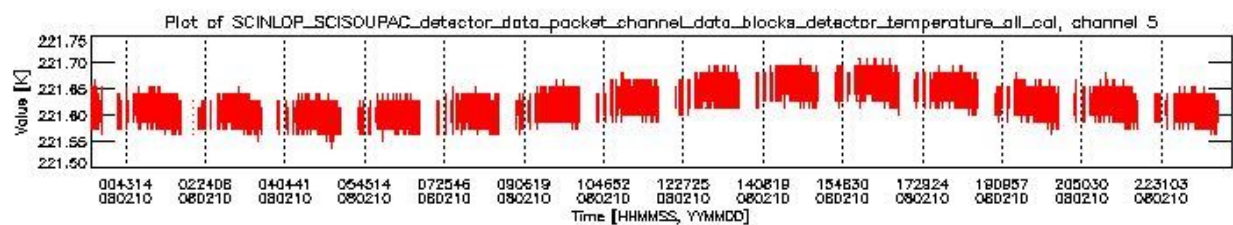
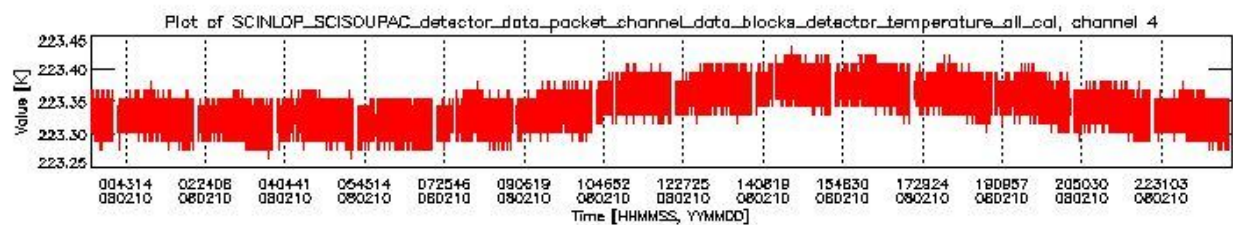
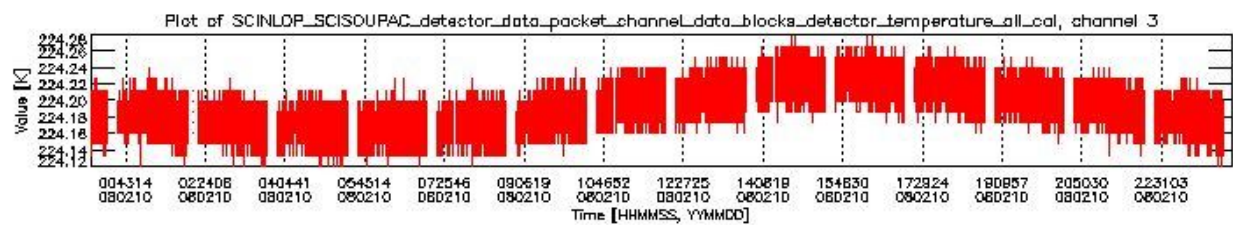
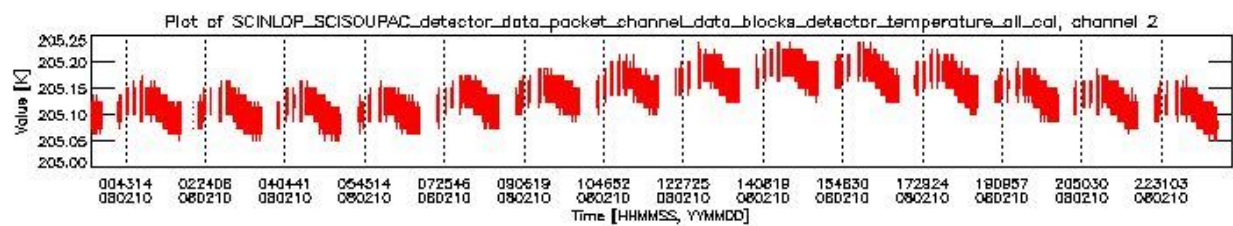
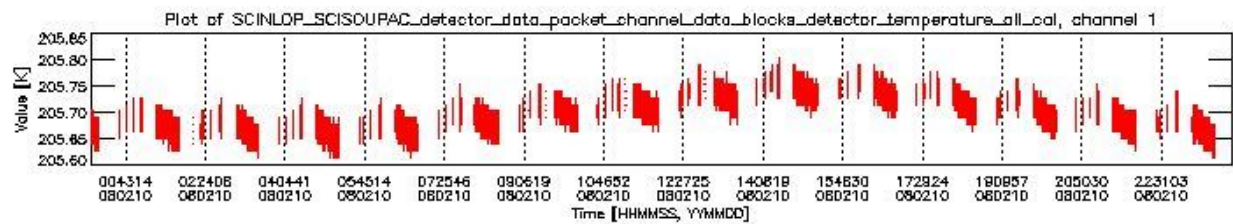
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sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080210\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080210\_3.PNG

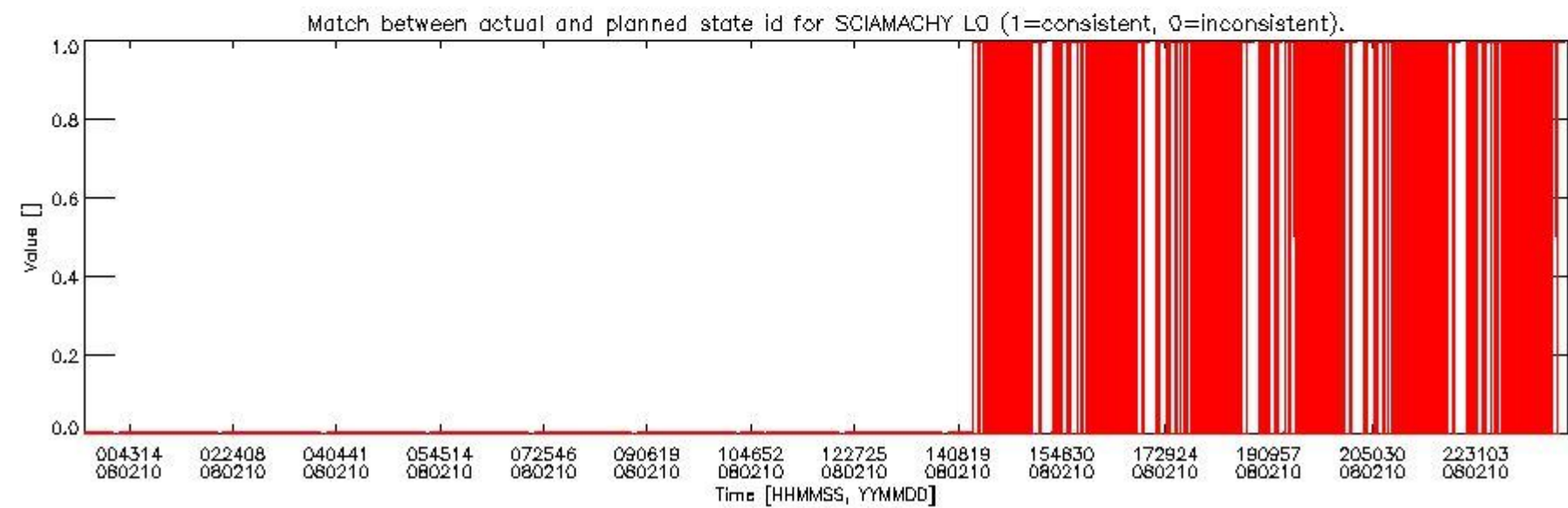
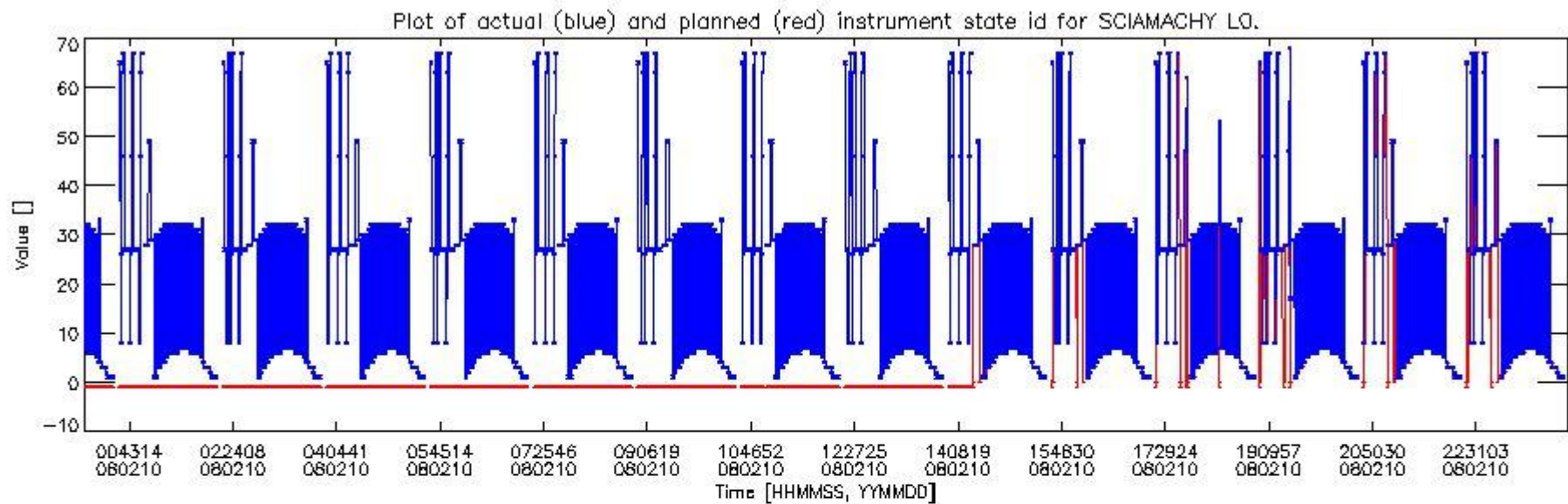


### 0.3 State monitoring

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: **225899**

#	Actual time	Actual value	Planned time	Planned value
0	10FEB2008 00:00:00.330877	32	10FEB2008 00:00:00.330877	-1
1	10FEB2008 00:00:00.893377	32	10FEB2008 00:00:00.893377	-1
2	10FEB2008 00:00:01.268390	32	10FEB2008 00:00:01.268390	-1
3	10FEB2008 00:00:01.643403	32	10FEB2008 00:00:01.643403	-1
4	10FEB2008 00:00:02.018376	32	10FEB2008 00:00:02.018376	-1
5	10FEB2008 00:00:02.580875	32	10FEB2008 00:00:02.580875	-1
6	10FEB2008 00:00:02.955888	32	10FEB2008 00:00:02.955888	-1
7	10FEB2008 00:00:03.330901	32	10FEB2008 00:00:03.330901	-1
8	10FEB2008 00:00:03.705874	32	10FEB2008 00:00:03.705874	-1
9	10FEB2008 00:00:04.268374	32	10FEB2008 00:00:04.268374	-1
10	10FEB2008 00:00:04.643387	32	10FEB2008 00:00:04.643387	-1
11	10FEB2008 00:00:05.018400	32	10FEB2008 00:00:05.018400	-1
12	10FEB2008 00:00:05.330890	32	10FEB2008 00:00:05.330890	-1
13	10FEB2008 00:00:05.393372	32	10FEB2008 00:00:05.393372	-1
14	10FEB2008 00:00:05.955872	32	10FEB2008 00:00:05.955872	-1
15	10FEB2008 00:00:06.330885	32	10FEB2008 00:00:06.330885	-1
16	10FEB2008 00:00:06.705898	32	10FEB2008 00:00:06.705898	-1
17	10FEB2008 00:00:07.080871	32	10FEB2008 00:00:07.080871	-1
18	10FEB2008 00:00:07.643370	32	10FEB2008 00:00:07.643370	-1
19	10FEB2008 00:00:08.018383	32	10FEB2008 00:00:08.018383	-1
	...	...	...	...

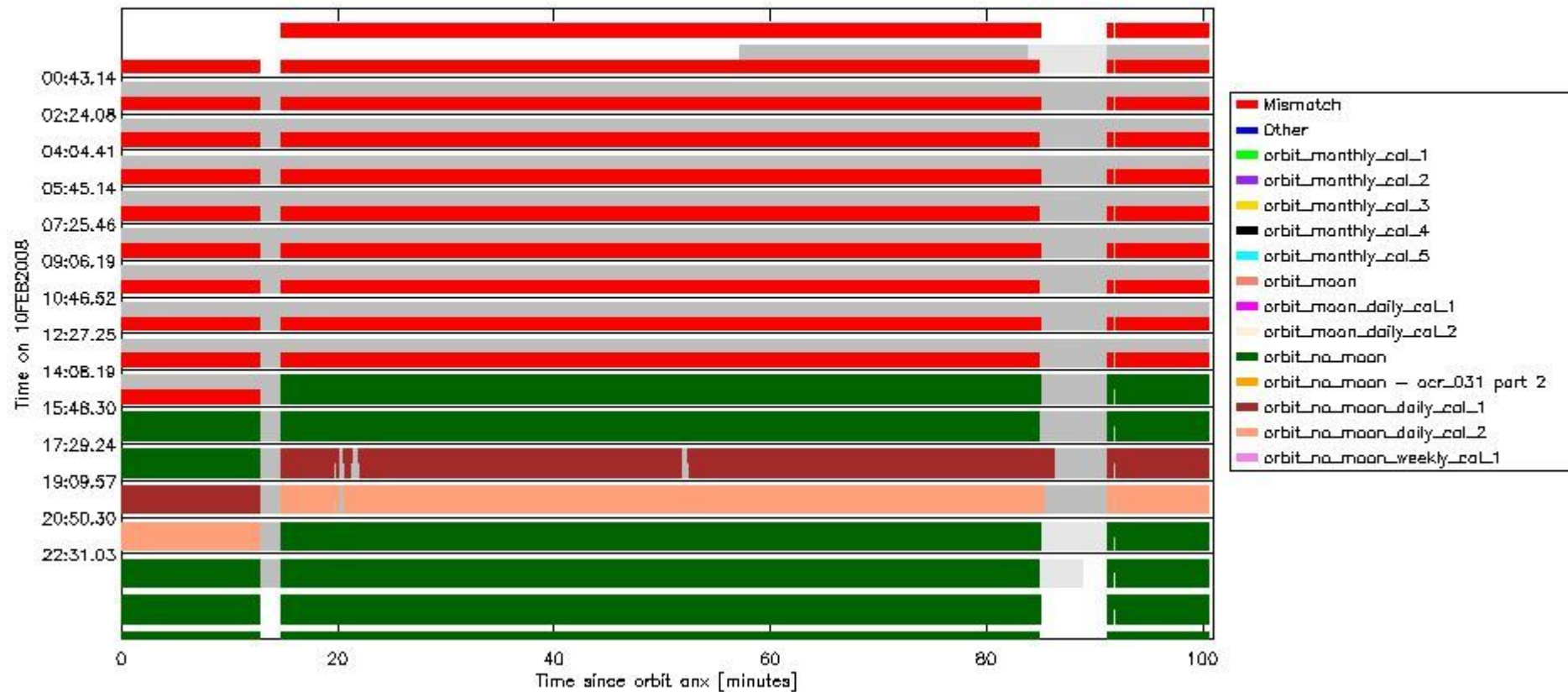


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080210\_5.PNG

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 10FEB2008.  
 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\_20080210\_6.PNG

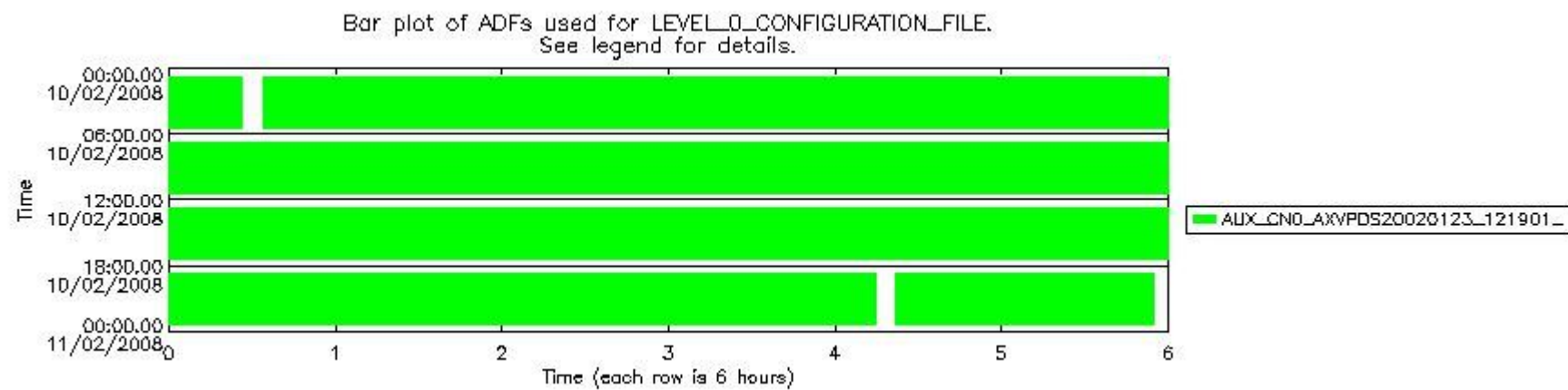
## 0.4 ADF monitoring

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

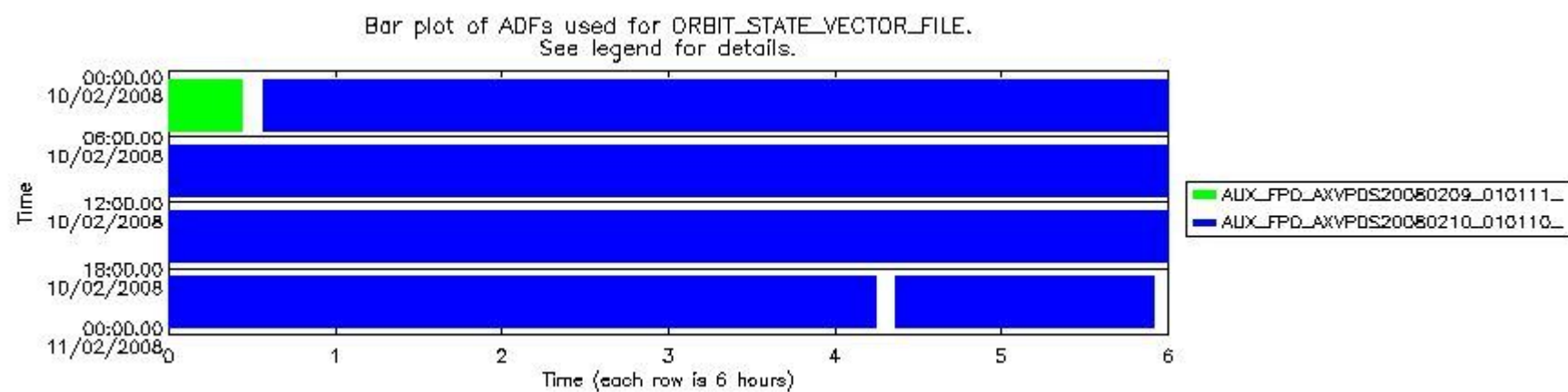
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20080209_010111_20080208_183232_20080218_213920
2	AUX_FPO_AXVPDS20080210_010110_20080209_194131_20080219_210743



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080210\_7.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080210\_8.PNG

