

## 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	07SEP2006 05:17:57
Data source version	PFHS/5.37-N
Processing scope for products	03SEP2006 00:00:00 to 04SEP2006 00:00:00
Start time of first product within scope	02SEP2006 22:48:30
Stop time of last product within scope	04SEP2006 01:38:12
Total number of level 0 products	17
Number of level 0 products with errors	17

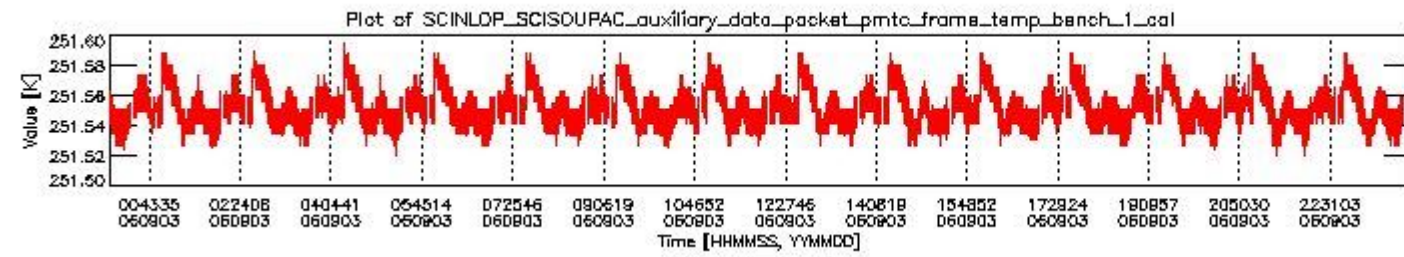
### 0.1.2 Summary per product

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

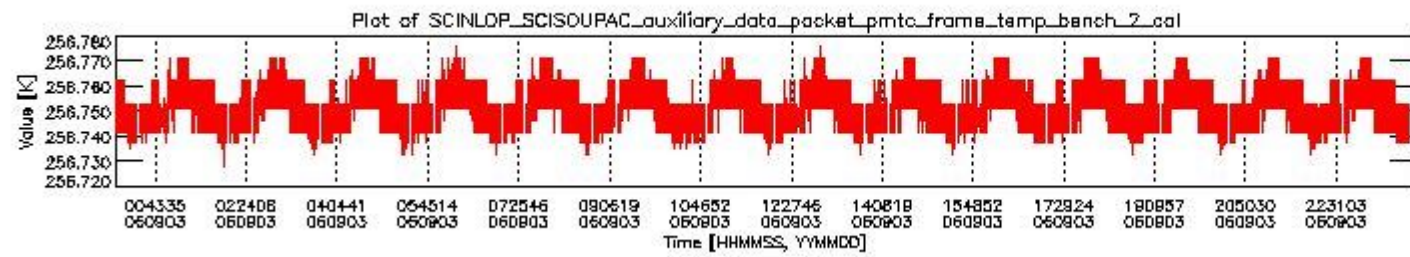
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060902_224830_000061342050_00473_23573_0497.N1	02SEP2006 22:48:30	03SEP2006 00:30:45	1	0	1	0	0
1	SCI_NL__OPNPDE20060903_002914_000059472050_00474_23574_0498.N1	03SEP2006 00:29:14	03SEP2006 02:08:22	1	0	1	0	0
2	SCI_NL__OPNPDE20060903_020738_000045222050_00475_23575_0499.N1	03SEP2006 02:07:38	03SEP2006 03:23:01	1	0	1	0	0
3	SCI_NL__OPNPDE20060903_032301_000061452050_00476_23576_0502.N1	03SEP2006 03:23:01	03SEP2006 05:05:26	1	0	1	0	0
4	SCI_NL__OPNPDE20060903_050526_000060452050_00477_23577_0501.N1	03SEP2006 05:05:26	03SEP2006 06:46:11	1	0	1	0	0
5	SCI_NL__OPNPDK20060903_064432_000041412050_00478_23578_0616.N1	03SEP2006 06:44:32	03SEP2006 07:53:33	1	0	1	0	0
6	SCI_NL__OPNPDK20060903_075333_000060922050_00479_23579_0617.N1	03SEP2006 07:53:33	03SEP2006 09:35:05	1	0	1	0	0
7	SCI_NL__OPNPDK20060903_093505_000059802050_00480_23580_0618.N1	03SEP2006 09:35:05	03SEP2006 11:14:45	1	0	1	0	0
8	SCI_NL__OPNPDK20060903_111445_000059672050_00481_23581_0619.N1	03SEP2006 11:14:45	03SEP2006 12:54:13	1	0	1	0	0
9	SCI_NL__OPNPDK20060903_125317_000059672050_00482_23582_0620.N1	03SEP2006 12:53:17	03SEP2006 14:32:45	1	0	1	0	0
10	SCI_NL__OPNPDK20060903_143149_000058432050_00483_23583_0621.N1	03SEP2006 14:31:49	03SEP2006 16:09:13	1	0	1	0	0
11	SCI_NL__OPNPDK20060903_160708_000060312050_00484_23584_0622.N1	03SEP2006 16:07:08	03SEP2006 17:47:39	1	0	1	0	0
12	SCI_NL__OPNPDK20060903_174548_000060612050_00485_23585_0623.N1	03SEP2006 17:45:48	03SEP2006 19:26:49	1	0	1	0	0
13	SCI_NL__OPNPDK20060903_192553_000059602050_00486_23586_0624.N1	03SEP2006 19:25:53	03SEP2006 21:05:14	1	0	1	0	0
14	SCI_NL__OPNPDE20060903_210514_000042582050_00487_23587_0516.N1	03SEP2006 21:05:14	03SEP2006 22:16:12	1	0	1	0	0
15	SCI_NL__OPNPDE20060903_221612_000061682050_00487_23587_0508.N1	03SEP2006 22:16:12	03SEP2006 23:59:01	1	0	1	0	0
16	SCI_NL__OPNPDE20060903_235744_000060282050_00488_23588_0511.N1	03SEP2006 23:57:44	04SEP2006 01:38:12	1	0	1	0	0

## 0.2 Product Quality Indicators

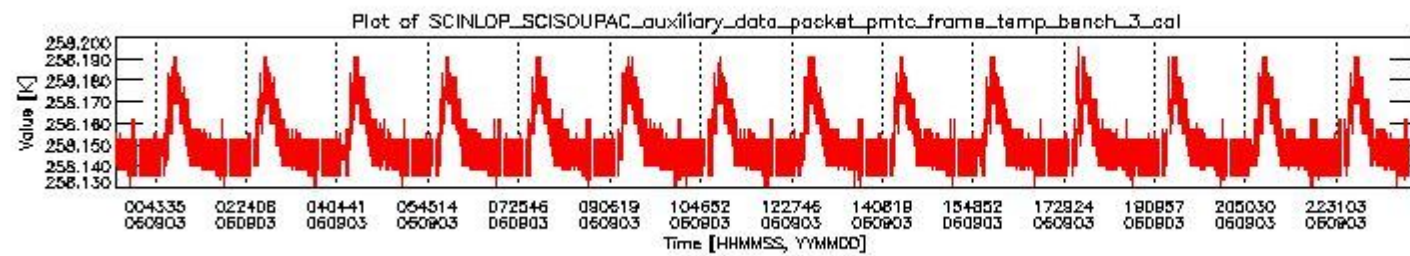
This section shows information about product quality, currently temperatures.



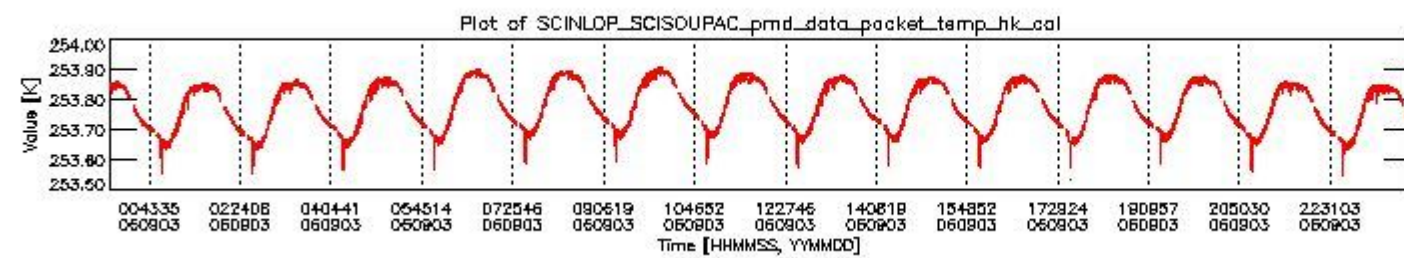
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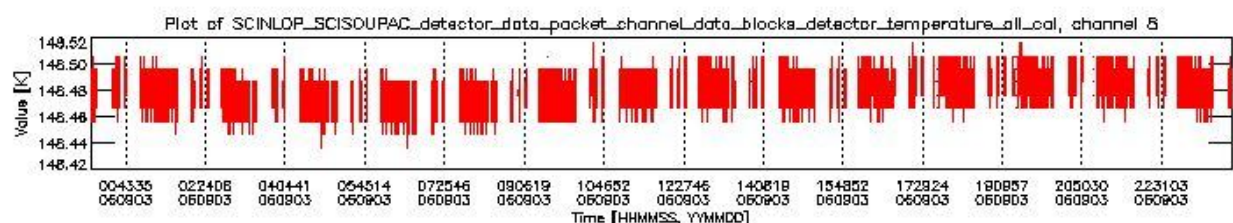
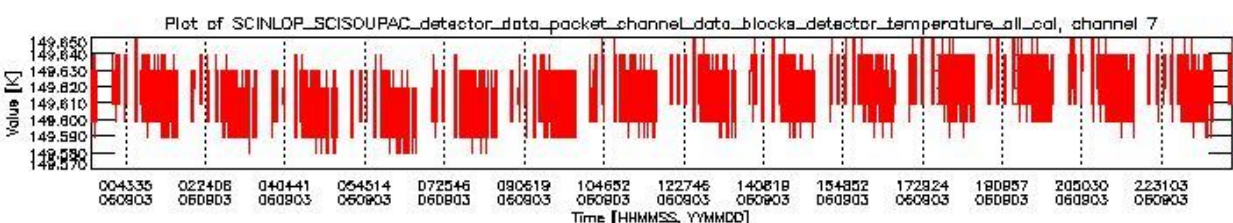
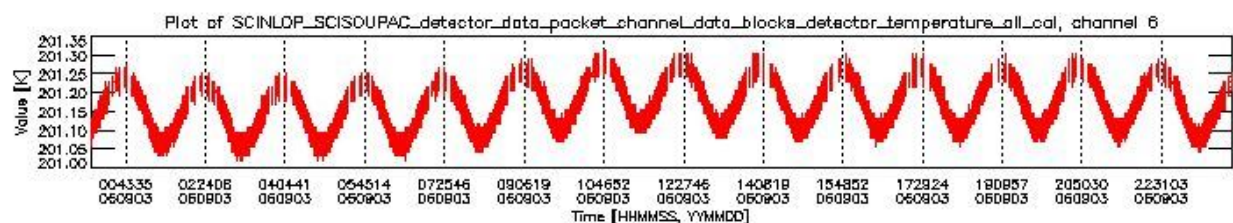
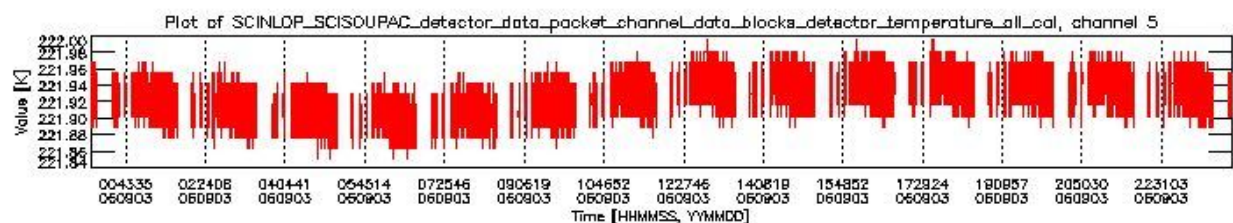
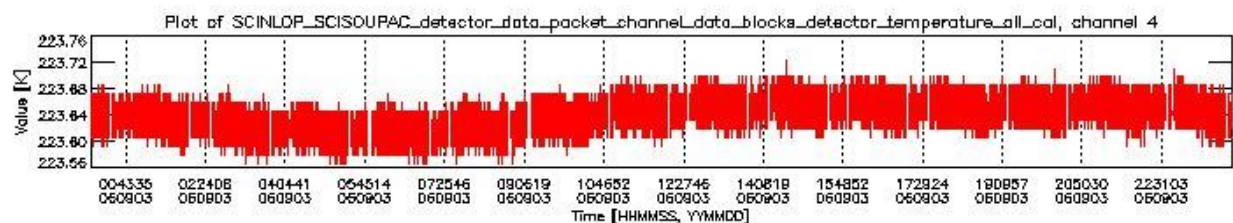
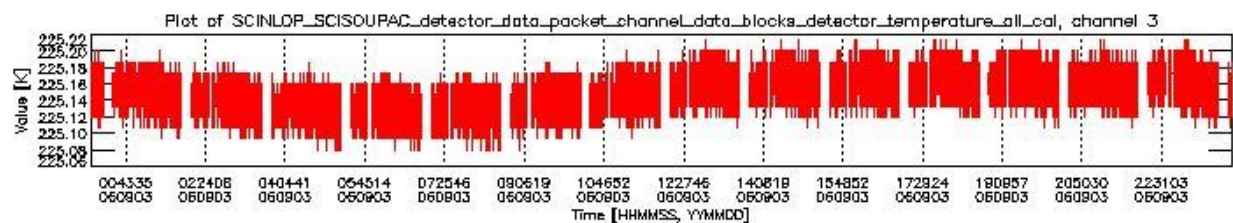
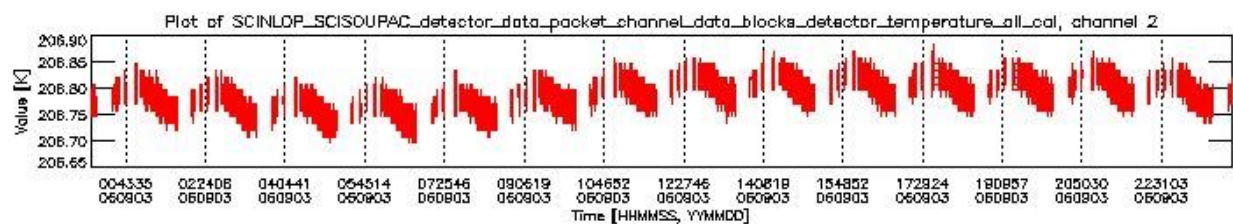
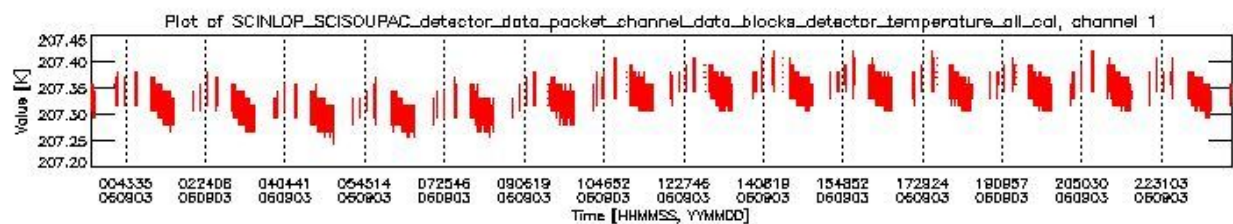
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sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060903\_3.PNG

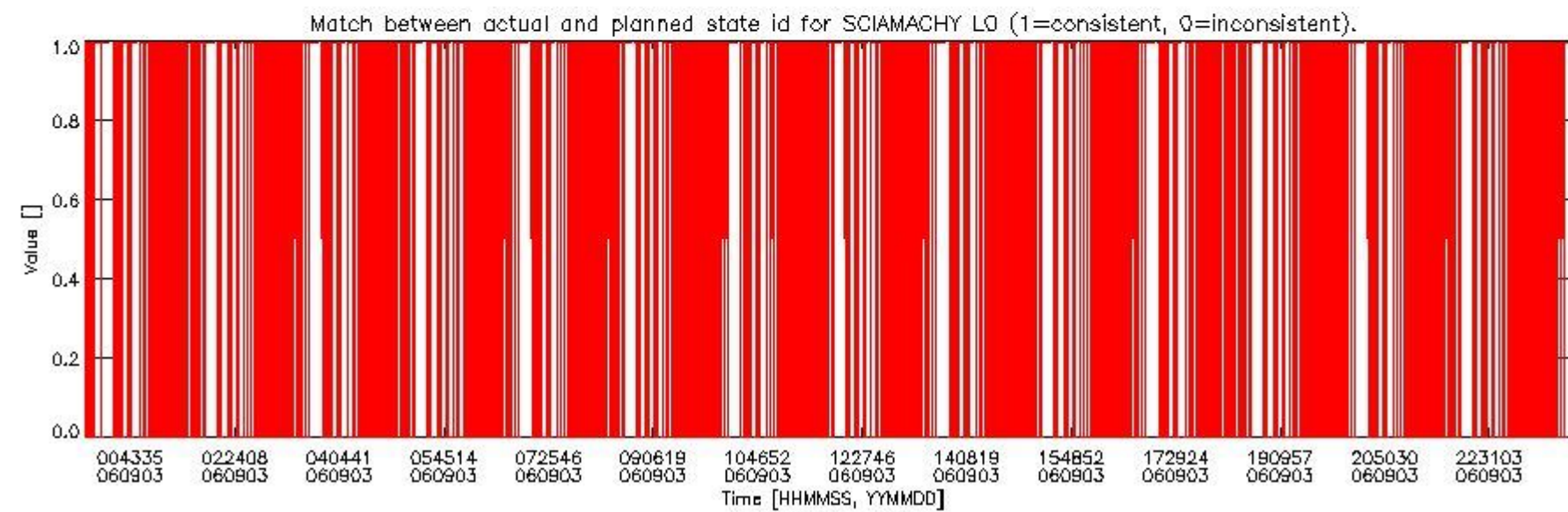
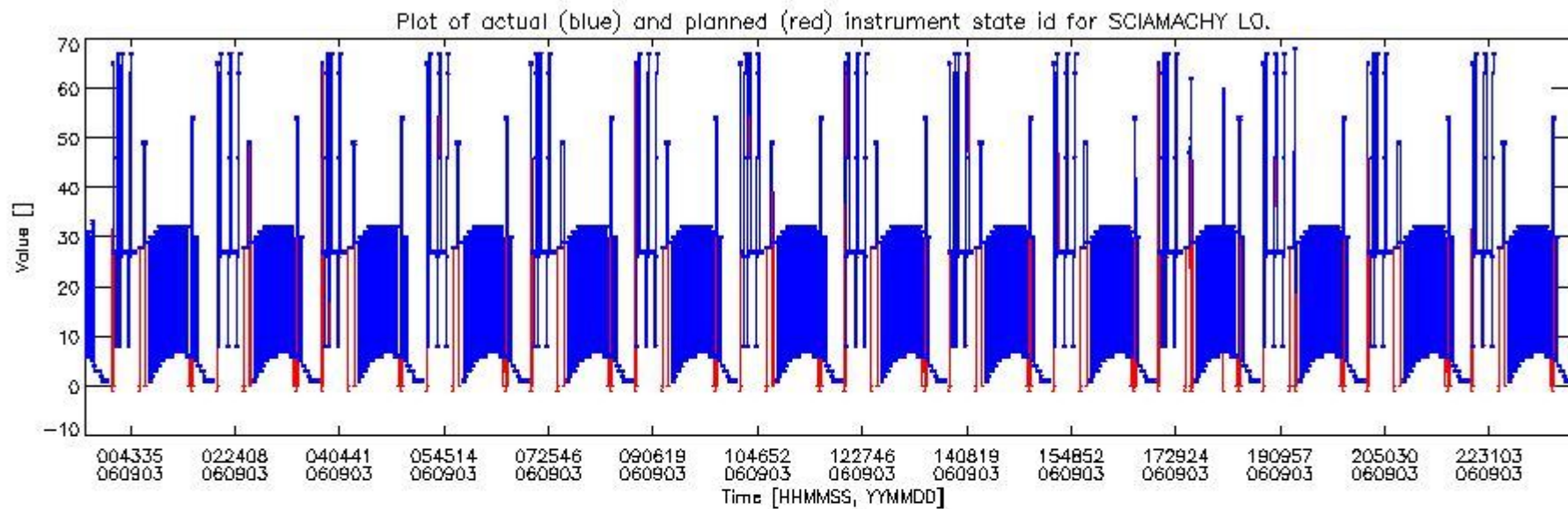


### 0.3 State monitoring

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: **8690**

#	Actual time	Actual value	Planned time	Planned value
0	03SEP2006 00:00:41.761753	31	03SEP2006 00:00:41.761753	6
1	03SEP2006 00:00:42.386734	31	03SEP2006 00:00:42.386734	6
2	03SEP2006 00:00:42.761748	31	03SEP2006 00:00:42.761748	6
3	03SEP2006 00:00:43.136720	31	03SEP2006 00:00:43.136720	6
4	03SEP2006 00:01:37.636726	6	03SEP2006 00:01:37.636726	31
5	03SEP2006 00:01:38.011740	6	03SEP2006 00:01:38.011740	31
6	03SEP2006 00:01:38.261748	6	03SEP2006 00:01:38.261748	31
7	03SEP2006 00:01:38.511717	6	03SEP2006 00:01:38.511717	31
8	03SEP2006 00:01:38.761725	6	03SEP2006 00:01:38.761725	31
9	03SEP2006 00:01:39.011734	6	03SEP2006 00:01:39.011734	31
10	03SEP2006 00:01:39.261743	6	03SEP2006 00:01:39.261743	31
11	03SEP2006 00:02:46.195317	31	03SEP2006 00:02:46.195317	6
12	03SEP2006 00:02:46.820338	31	03SEP2006 00:02:46.820338	6
13	03SEP2006 00:02:47.195311	31	03SEP2006 00:02:47.195311	6
14	03SEP2006 00:02:47.570324	31	03SEP2006 00:02:47.570324	6
15	03SEP2006 00:03:42.066428	6	03SEP2006 00:03:42.066428	31
16	03SEP2006 00:03:42.441401	6	03SEP2006 00:03:42.441401	31
17	03SEP2006 00:03:42.691409	6	03SEP2006 00:03:42.691409	31
18	03SEP2006 00:03:42.941418	6	03SEP2006 00:03:42.941418	31
19	03SEP2006 00:03:43.191427	6	03SEP2006 00:03:43.191427	31
	...	...	...	...

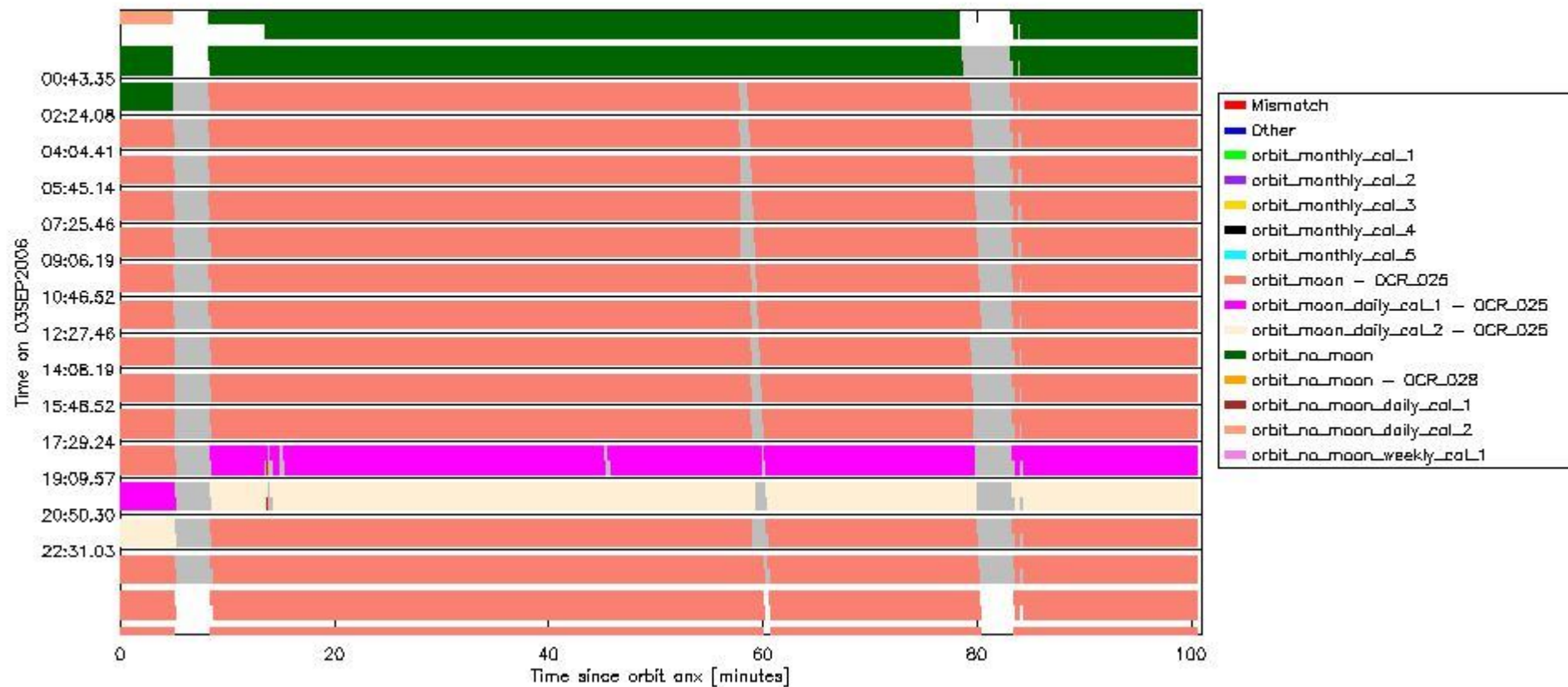


sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060903\_5.PNG

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 Q3SEP2006.  
 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\_PFH5\_5\_37\_N\_20060903\_6.PNG

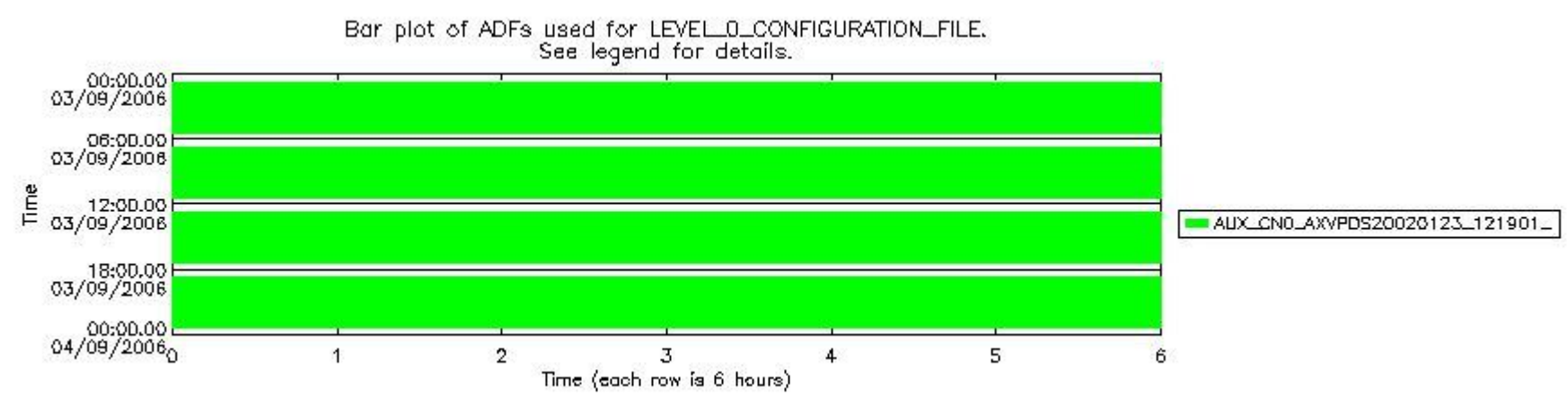
## 0.4 ADF monitoring

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

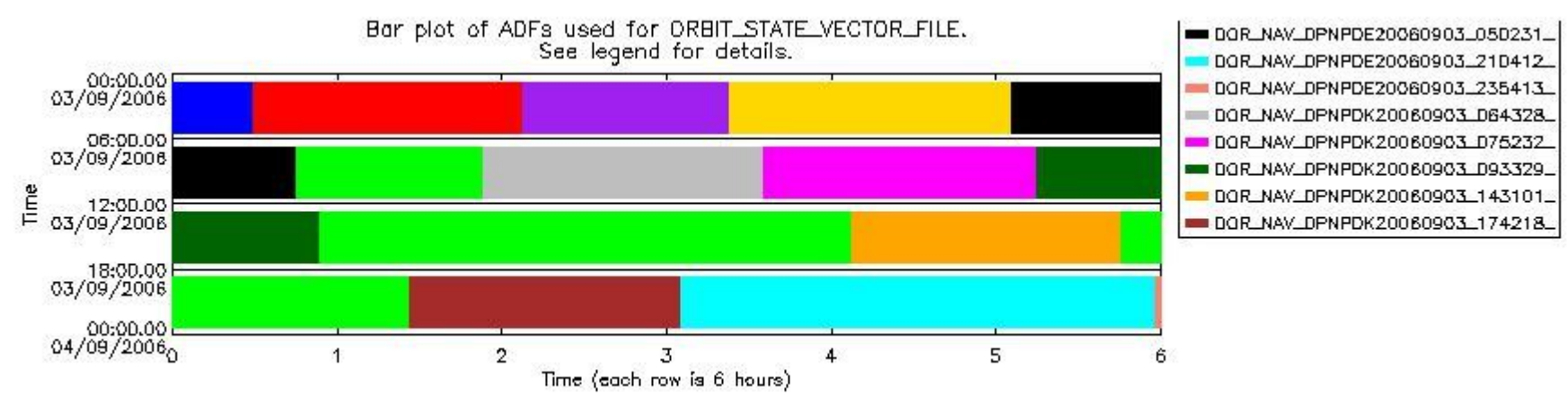
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20060902_225739_20060902_194139_20060912_210750
2	AUX_FPO_AXVPDS20060902_225814_20060902_194139_20060912_210750
3	DOR_NAV_OPNPDE20060902_224517_000057382050_00473_23573_0479.N1
4	DOR_NAV_OPNPDE20060903_020711_000041442050_00475_23575_0481.N1
5	DOR_NAV_OPNPDE20060903_032134_000057382050_00476_23576_0482.N1
6	DOR_NAV_OPNPDE20060903_050231_000057382050_00477_23577_0483.N1
7	DOR_NAV_OPNPDE20060903_210412_000038252050_00487_23587_0485.N1
8	DOR_NAV_OPNPDE20060903_235413_000057382050_00488_23588_0487.N1
9	DOR_NAV_OPNPDK20060903_064328_000038252050_00478_23578_0626.N1
10	DOR_NAV_OPNPDK20060903_075232_000057382050_00479_23579_0627.N1
11	DOR_NAV_OPNPDK20060903_093329_000057382050_00480_23580_0628.N1
12	DOR_NAV_OPNPDK20060903_143101_000054192050_00483_23583_0631.N1
13	DOR_NAV_OPNPDK20060903_174218_000057382050_00485_23585_0633.N1



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060903\_7.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060903\_8.PNG

