

## 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	23SEP2008 06:06:13
Data source version	KSPT_L0/4303-N
Processing scope for products	19SEP2008 00:00:00 to 20SEP2008 00:00:00
Start time of first product within scope	18SEP2008 23:12:47
Stop time of last product within scope	20SEP2008 00:22:30
Total number of level 0 products	16
Number of level 0 products with errors	0

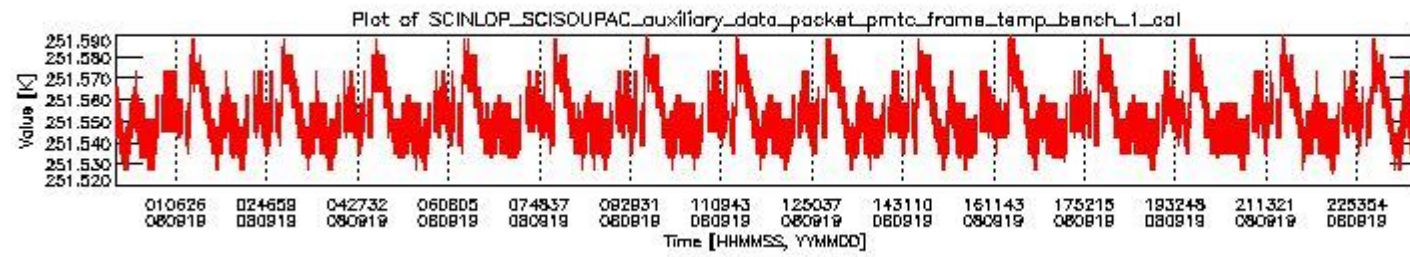
### 0.1.2 Summary per product

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

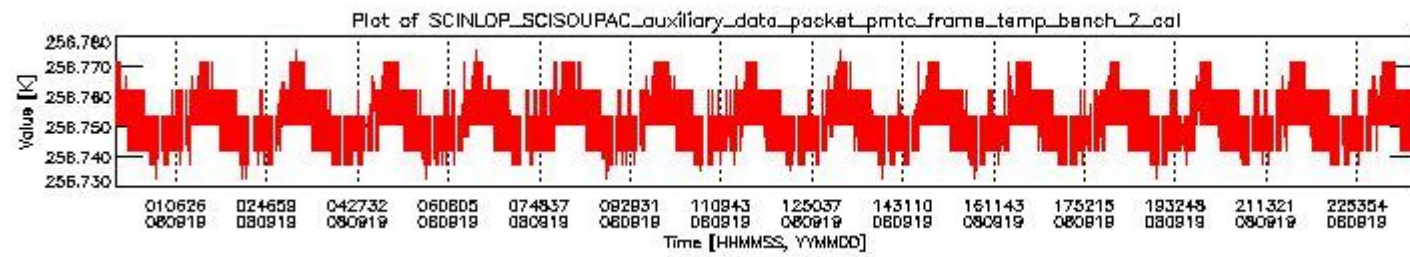
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080918_231247_000060732072_00144_34266_7532.N1	18SEP2008 23:12:47	19SEP2008 00:53:59	0	0	0	0	0
1	SCI_NL__OPNPDE20080919_005326_000046692072_00145_34267_7533.N1	19SEP2008 00:53:26	19SEP2008 02:11:15	0	0	0	0	0
2	SCI_NL__OPNPDE20080919_021115_000057882072_00146_34268_7534.N1	19SEP2008 02:11:15	19SEP2008 03:47:43	0	0	0	0	0
3	SCI_NL__OPNPDE20080919_034743_000060372072_00147_34269_7535.N1	19SEP2008 03:47:43	19SEP2008 05:28:19	0	0	0	0	0
4	SCI_NL__OPNPDE20080919_052819_000060372072_00148_34270_7536.N1	19SEP2008 05:28:19	19SEP2008 07:08:56	0	0	0	0	0
5	SCI_NL__OPNPDK20080919_070747_000041142072_00149_34271_9439.N1	19SEP2008 07:07:47	19SEP2008 08:16:21	0	0	0	0	0
6	SCI_NL__OPNPDK20080919_081621_000061612072_00150_34272_9440.N1	19SEP2008 08:16:21	19SEP2008 09:59:02	0	0	0	0	0
7	SCI_NL__OPNPDK20080919_095902_000059122072_00151_34273_9441.N1	19SEP2008 09:59:02	19SEP2008 11:37:34	0	0	0	0	0
8	SCI_NL__OPNPDK20080919_113734_000059682072_00152_34274_9442.N1	19SEP2008 11:37:34	19SEP2008 13:17:02	0	0	0	0	0
9	SCI_NL__OPNPDK20080919_131606_000059122072_00153_34275_9443.N1	19SEP2008 13:16:06	19SEP2008 14:54:38	0	0	0	0	0
10	SCI_NL__OPNPDK20080919_145342_000058442072_00154_34276_9444.N1	19SEP2008 14:53:42	19SEP2008 16:31:06	0	0	0	0	0
11	SCI_NL__OPNPDK20080919_163010_000060562072_00155_34277_9445.N1	19SEP2008 16:30:10	19SEP2008 18:11:06	0	0	0	0	0
12	SCI_NL__OPNPDK20080919_180915_000060372072_00156_34278_9449.N1	19SEP2008 18:09:15	19SEP2008 19:49:51	0	0	0	0	0
13	SCI_NL__OPNPDE20080919_194833_000038492072_00157_34279_7537.N1	19SEP2008 19:48:33	19SEP2008 20:52:42	0	0	0	0	0
14	SCI_NL__OPNPDE20080919_205829_000063372072_00157_34279_7538.N1	19SEP2008 20:58:29	19SEP2008 22:44:05	0	0	0	0	0
15	SCI_NL__OPNPDE20080919_224245_000059852072_00158_34280_7539.N1	19SEP2008 22:42:45	20SEP2008 00:22:30	0	0	0	0	0

## 0.2 Product Quality Indicators

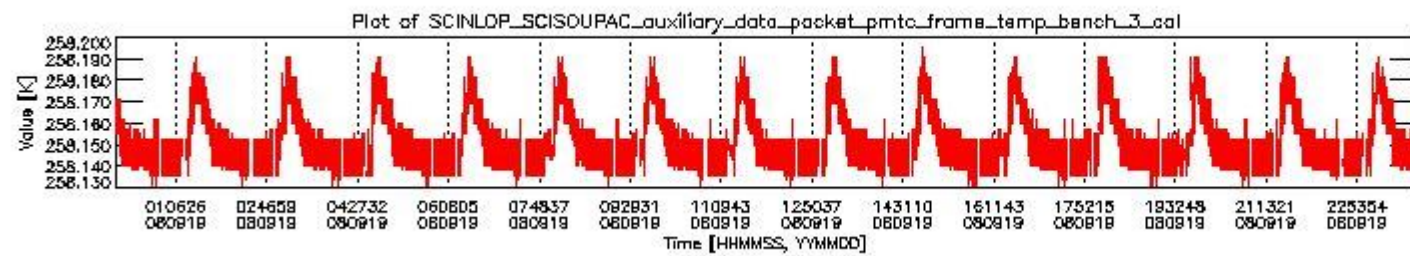
This section shows information about product quality, currently temperatures.



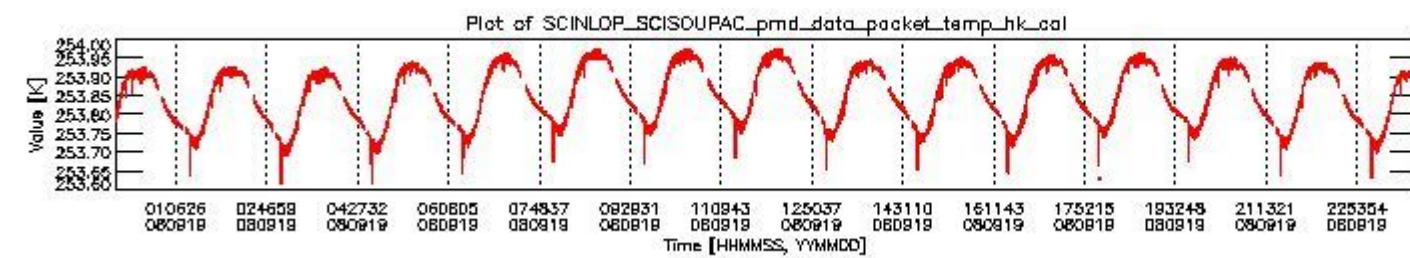
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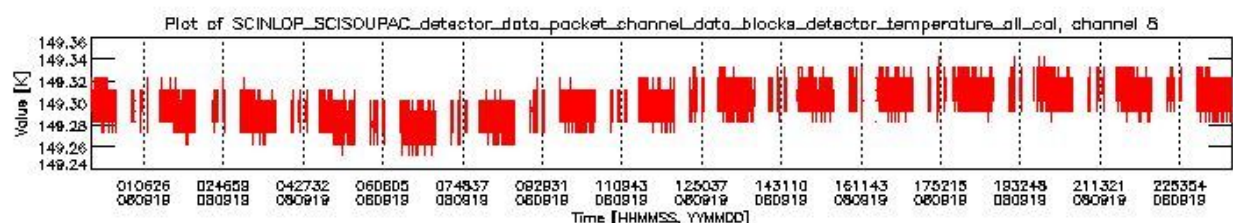
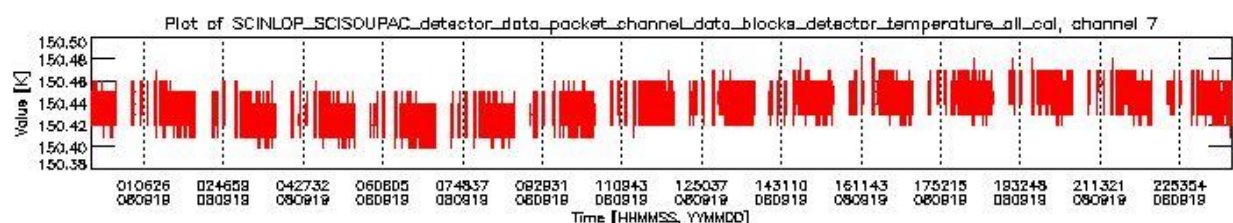
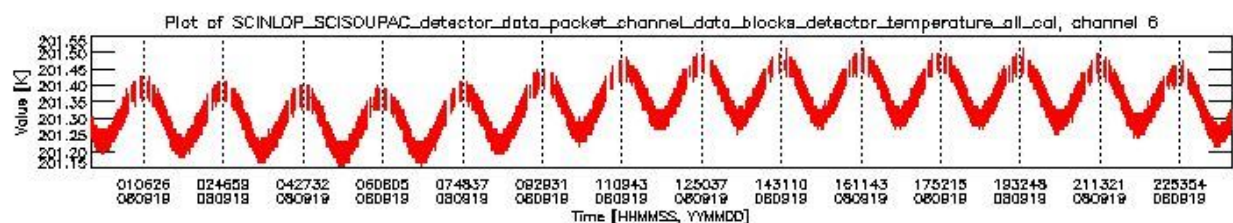
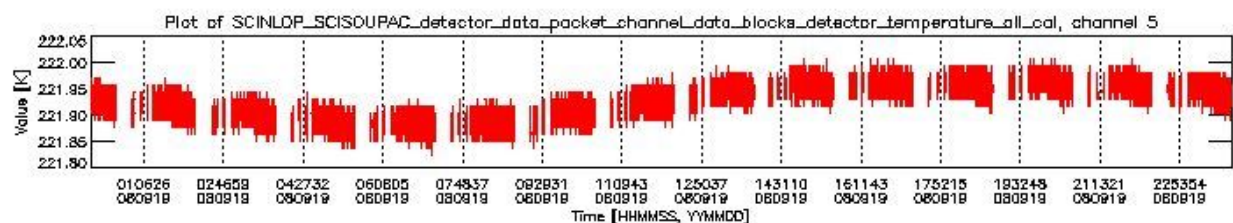
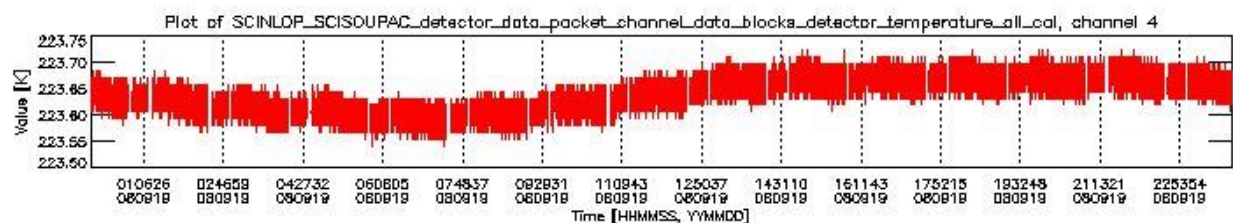
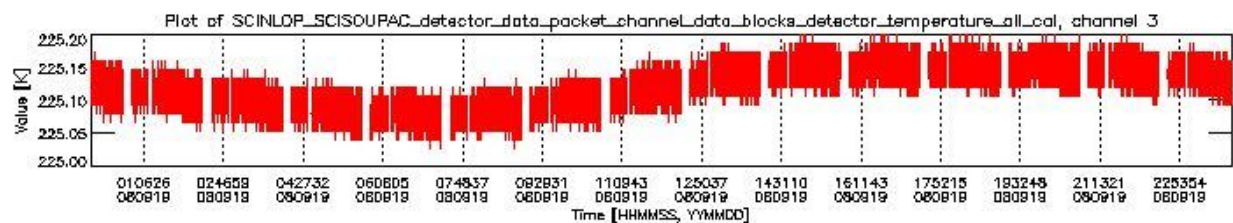
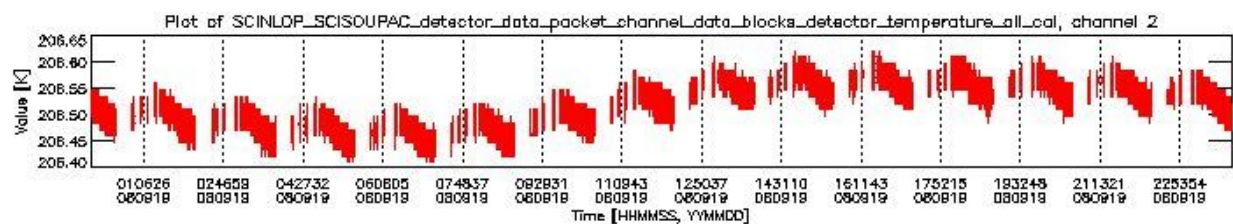
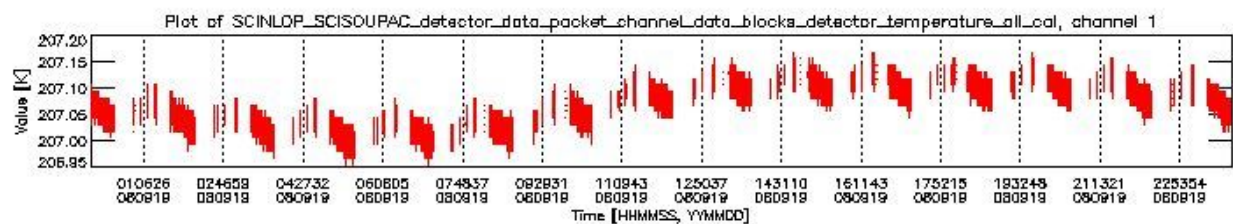
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sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080919\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080919\_3.PNG

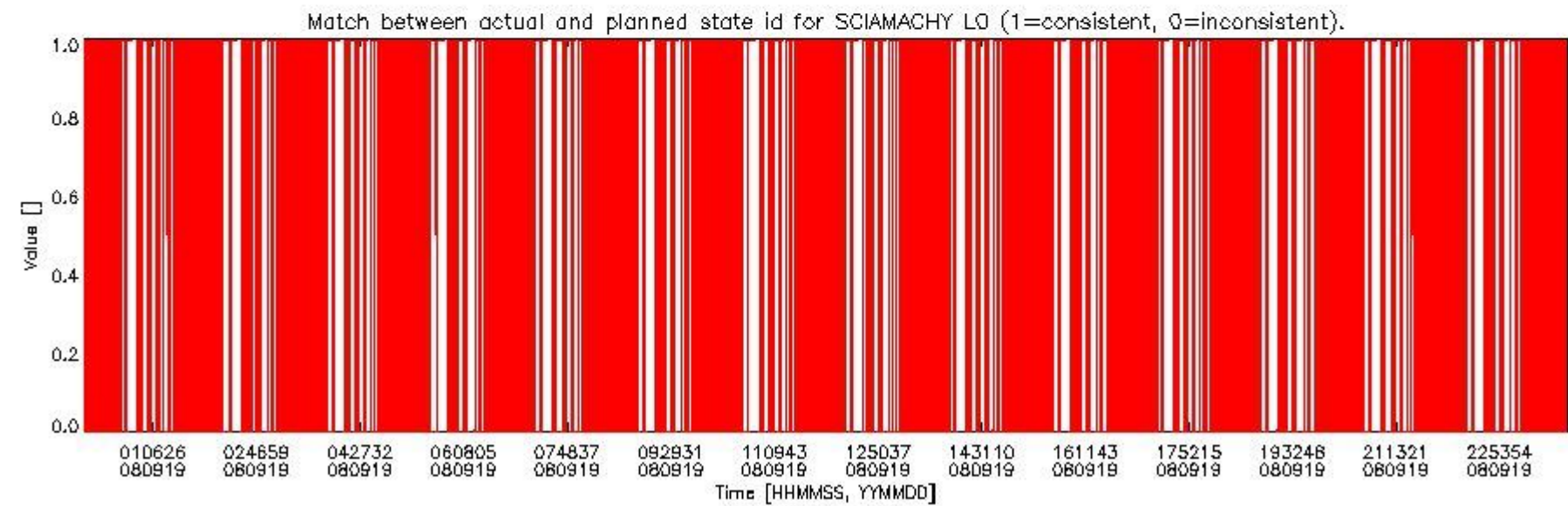
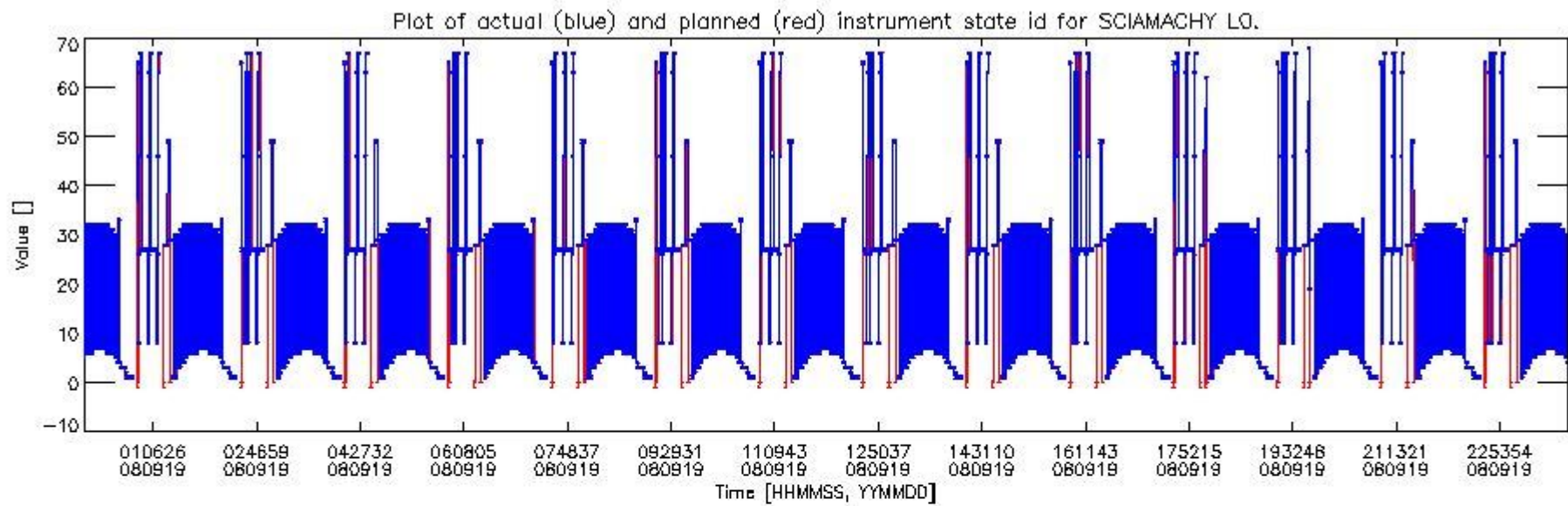


### 0.3 State monitoring

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: **49630**

#	Actual time	Actual value	Planned time	Planned value
0	19SEP2008 00:00:28.520586	6	19SEP2008 00:00:28.520586	32
1	19SEP2008 00:00:28.895558	6	19SEP2008 00:00:28.895558	32
2	19SEP2008 00:00:29.145567	6	19SEP2008 00:00:29.145567	32
3	19SEP2008 00:00:29.395576	6	19SEP2008 00:00:29.395576	32
4	19SEP2008 00:00:29.645585	6	19SEP2008 00:00:29.645585	32
5	19SEP2008 00:00:29.895593	6	19SEP2008 00:00:29.895593	32
6	19SEP2008 00:00:30.145562	6	19SEP2008 00:00:30.145562	32
7	19SEP2008 00:00:30.395570	6	19SEP2008 00:00:30.395570	32
8	19SEP2008 00:00:30.645579	6	19SEP2008 00:00:30.645579	32
9	19SEP2008 00:00:30.895588	6	19SEP2008 00:00:30.895588	32
10	19SEP2008 00:00:31.145597	6	19SEP2008 00:00:31.145597	32
11	19SEP2008 00:00:31.395565	6	19SEP2008 00:00:31.395565	32
12	19SEP2008 00:00:31.645574	6	19SEP2008 00:00:31.645574	32
13	19SEP2008 00:00:31.895582	6	19SEP2008 00:00:31.895582	32
14	19SEP2008 00:00:32.145591	6	19SEP2008 00:00:32.145591	32
15	19SEP2008 00:00:32.395560	6	19SEP2008 00:00:32.395560	32
16	19SEP2008 00:00:32.645568	6	19SEP2008 00:00:32.645568	32
17	19SEP2008 00:00:32.895577	6	19SEP2008 00:00:32.895577	32
18	19SEP2008 00:00:33.145586	6	19SEP2008 00:00:33.145586	32
19	19SEP2008 00:00:33.395594	6	19SEP2008 00:00:33.395594	32
...	...	...	...	...

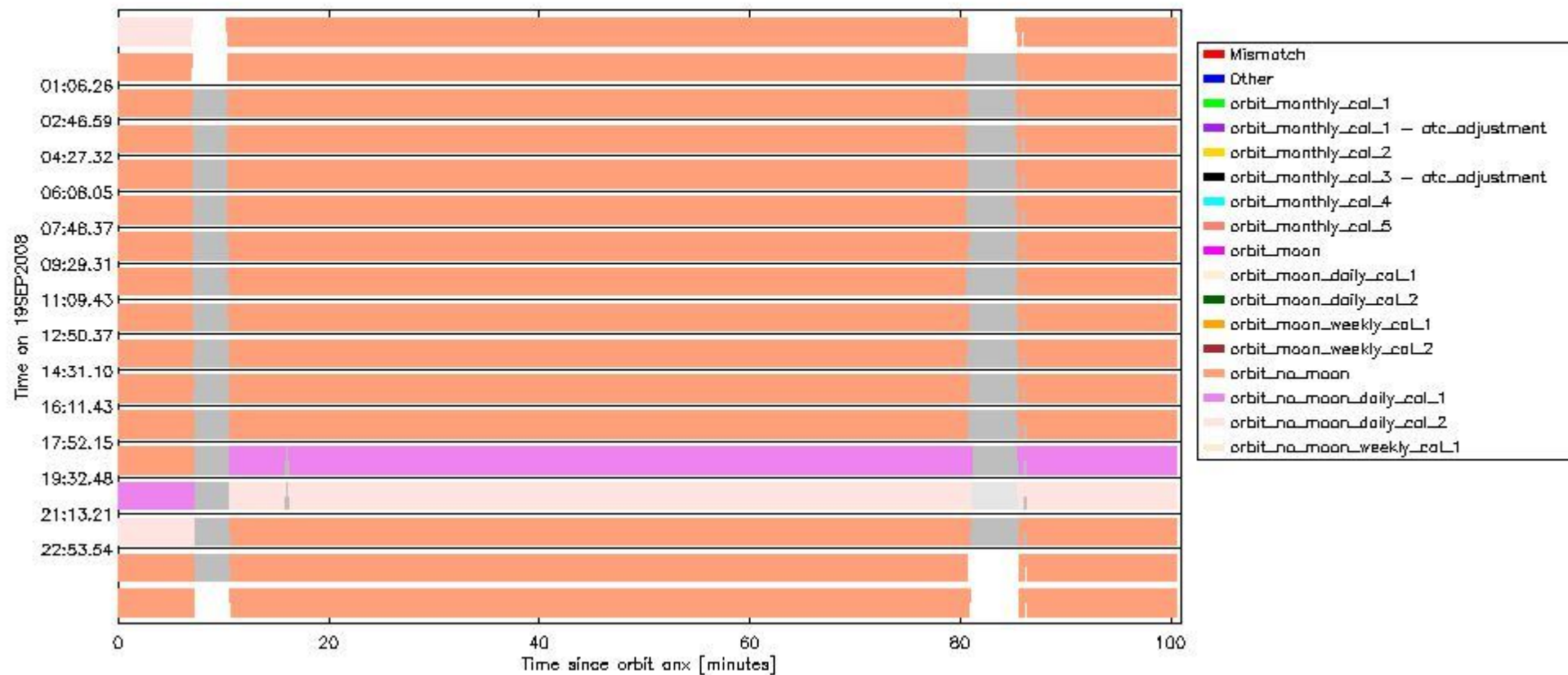


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This section gives an analysis of the DMOP execution. The execution is monitored by assigning various activities to timeline sequences found in the DMOP file, and by checking where "NEW" datasets are available in SCI\_NL\_\_1P products.

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 19SEP2008.  
 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.



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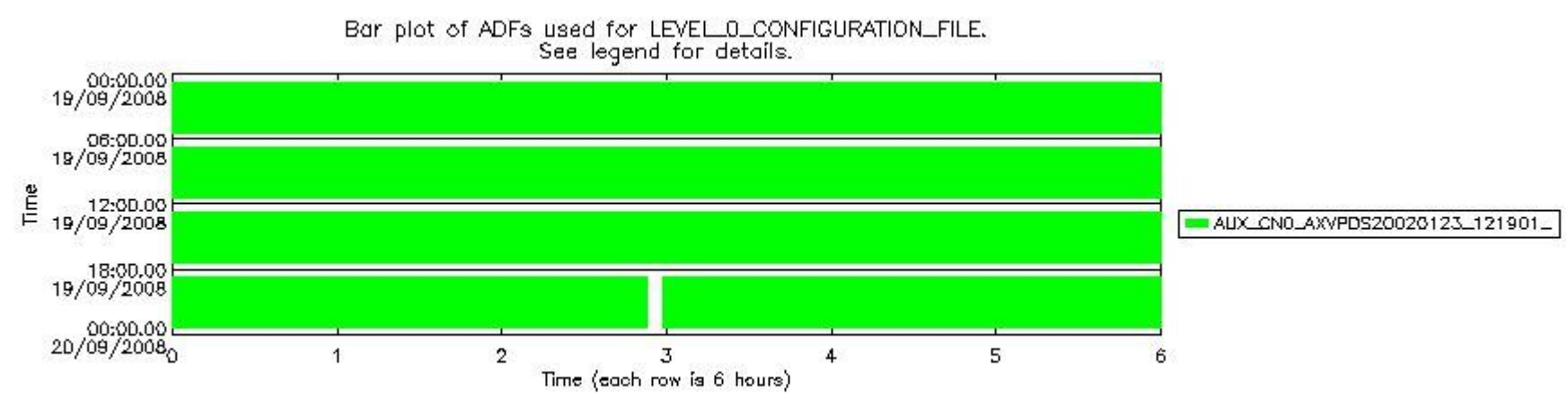
## 0.4 ADF monitoring

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

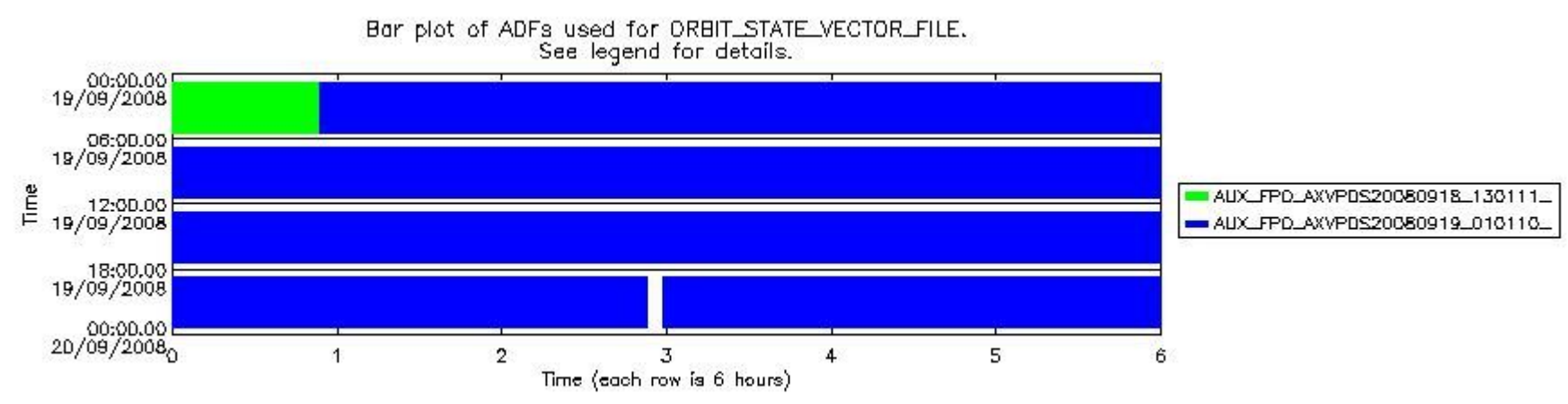
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20080918_130111_20080918_082019_20080927_234258</b>
2	<b>AUX_FPO_AXVPDS20080919_010110_20080918_182354_20080928_213045</b>



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080919\_7.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080919\_8.PNG

