

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	16MAR2009 05:24:07
Data source version	KSPT_L0/4303-N
Processing scope for products	12MAR2009 00:00:00 to 13MAR2009 00:00:00
Start time of first product within scope	11MAR2009 23:44:47
Stop time of last product within scope	13MAR2009 00:54:21
Total number of level 0 products	16
Number of level 0 products with errors	0

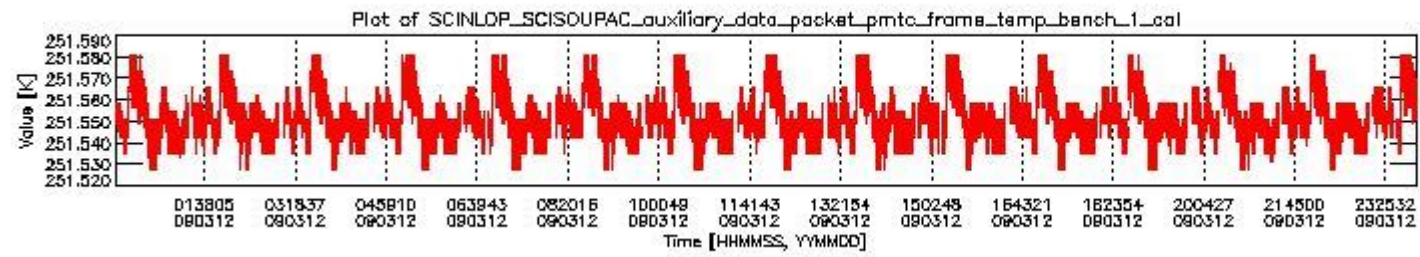
0.1.2 Summary per product

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

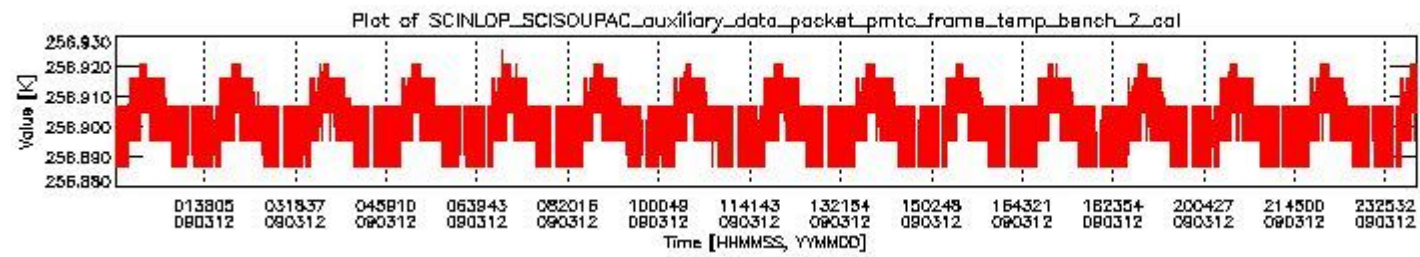
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090311_234447_000059922077_00130_36757_8653.N1	11MAR2009 23:44:47	12MAR2009 01:24:38	0	0	0	0	0
1	SCI_NL__OPNPDE20090312_012438_000046752077_00131_36758_8654.N1	12MAR2009 01:24:38	12MAR2009 02:42:33	0	0	0	0	0
2	SCI_NL__OPNPDE20090312_024233_000057312077_00132_36759_8655.N1	12MAR2009 02:42:33	12MAR2009 04:18:04	0	0	0	0	0
3	SCI_NL__OPNPDE20090312_041804_000060912077_00133_36760_8656.N1	12MAR2009 04:18:04	12MAR2009 05:59:36	0	0	0	0	0
4	SCI_NL__OPNPDK20090312_055936_000041132077_00134_36761_0935.N1	12MAR2009 05:59:36	12MAR2009 07:08:09	0	0	0	0	0
5	SCI_NL__OPNPDK20090312_070713_000061472077_00135_36762_0936.N1	12MAR2009 07:07:13	12MAR2009 08:49:40	0	0	0	0	0
6	SCI_NL__OPNPDK20090312_084844_000061042077_00136_36763_0937.N1	12MAR2009 08:48:44	12MAR2009 10:30:28	0	0	0	0	0
7	SCI_NL__OPNPDK20090312_102920_000059672077_00137_36764_0938.N1	12MAR2009 10:29:20	12MAR2009 12:08:46	0	0	0	0	0
8	SCI_NL__OPNPDK20090312_120751_000059112077_00138_36765_0939.N1	12MAR2009 12:07:51	12MAR2009 13:46:22	0	0	0	0	0
9	SCI_NL__OPNPDK20090312_134526_000058982077_00139_36766_0940.N1	12MAR2009 13:45:26	12MAR2009 15:23:44	0	0	0	0	0
10	SCI_NL__OPNPDK20090312_152248_000059802077_00140_36767_0941.N1	12MAR2009 15:22:48	12MAR2009 17:02:28	0	0	0	0	0
11	SCI_NL__OPNPDK20090312_170036_000061172077_00141_36768_0942.N1	12MAR2009 17:00:36	12MAR2009 18:42:33	0	0	0	0	0
12	SCI_NL__OPNPDK20090312_184057_000060352077_00142_36769_0943.N1	12MAR2009 18:40:57	12MAR2009 20:21:32	0	0	0	0	0
13	SCI_NL__OPNPDE20090312_201929_000039472077_00143_36770_8657.N1	12MAR2009 20:19:29	12MAR2009 21:25:16	0	0	0	0	0
14	SCI_NL__OPNPDE20090312_213142_000062032077_00143_36770_8658.N1	12MAR2009 21:31:42	12MAR2009 23:15:05	0	0	0	0	0
15	SCI_NL__OPNPDE20090312_231418_000060022077_00144_36771_8659.N1	12MAR2009 23:14:18	13MAR2009 00:54:21	0	0	0	0	0

0.2 Product Quality Indicators

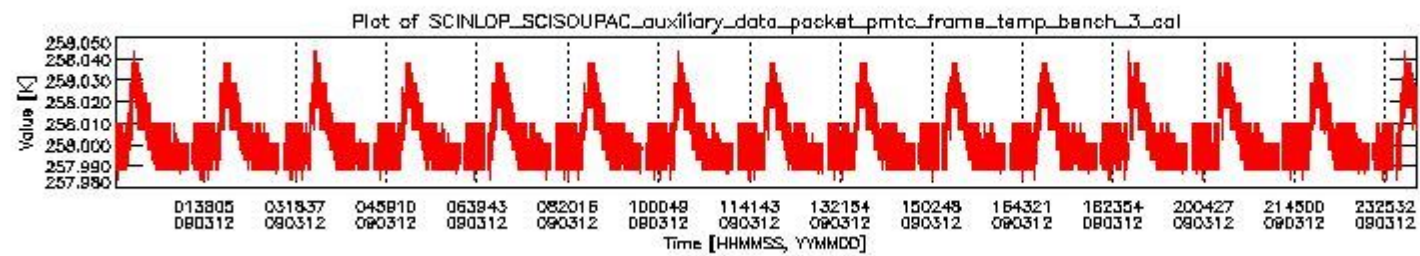
This section shows information about product quality, currently temperatures.



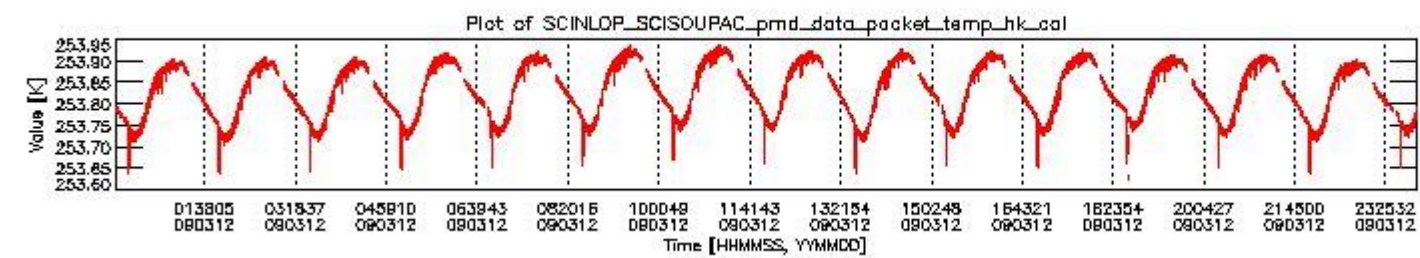
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090312_0.PNG



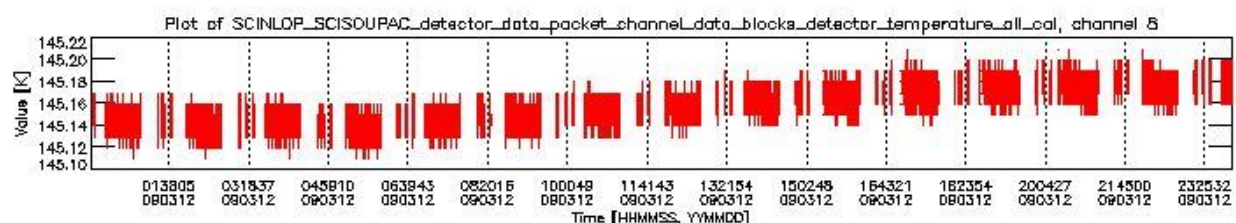
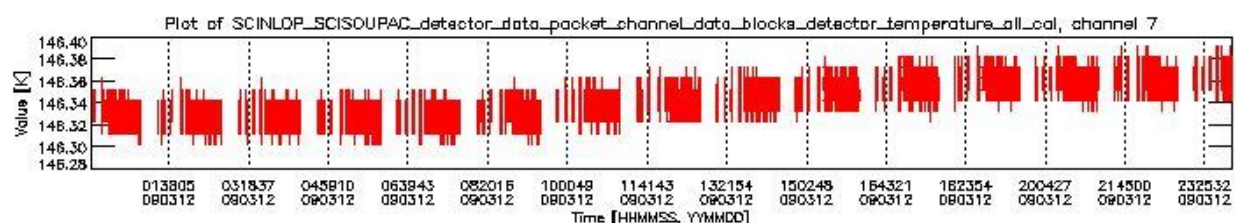
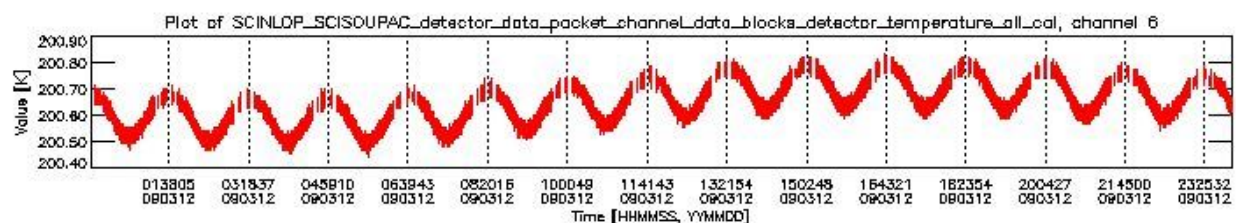
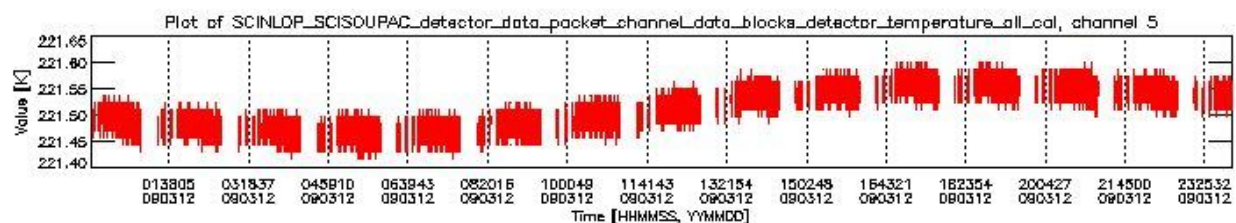
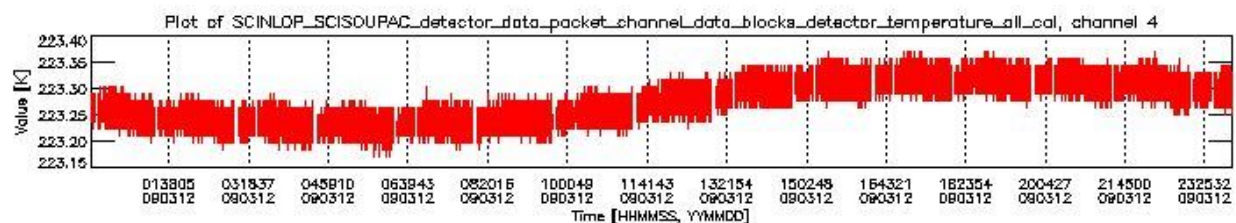
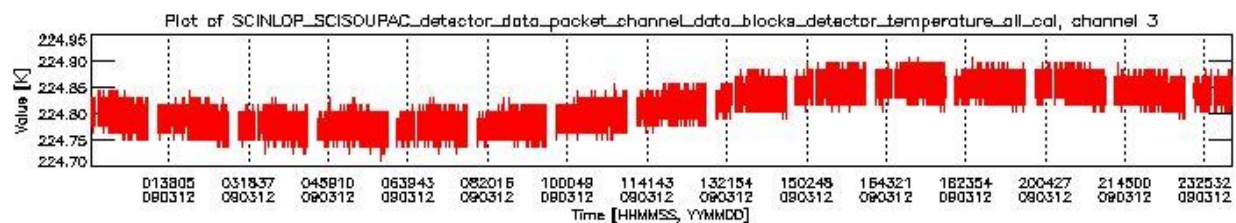
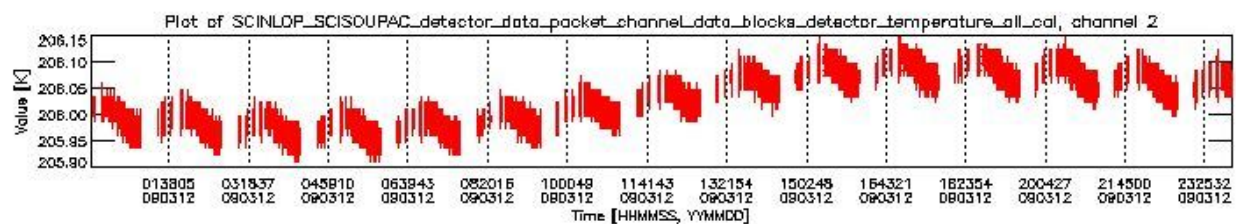
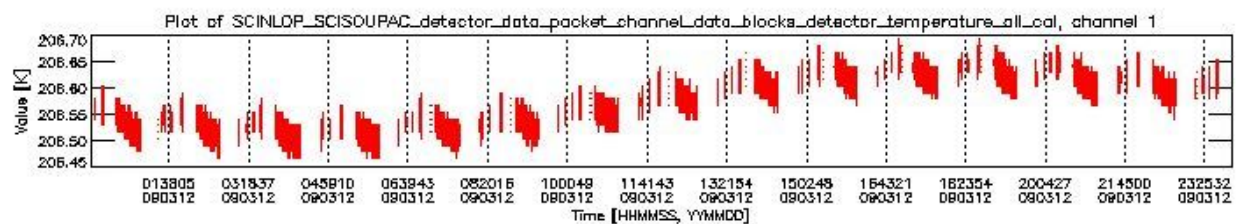
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20090312_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090312_3.PNG

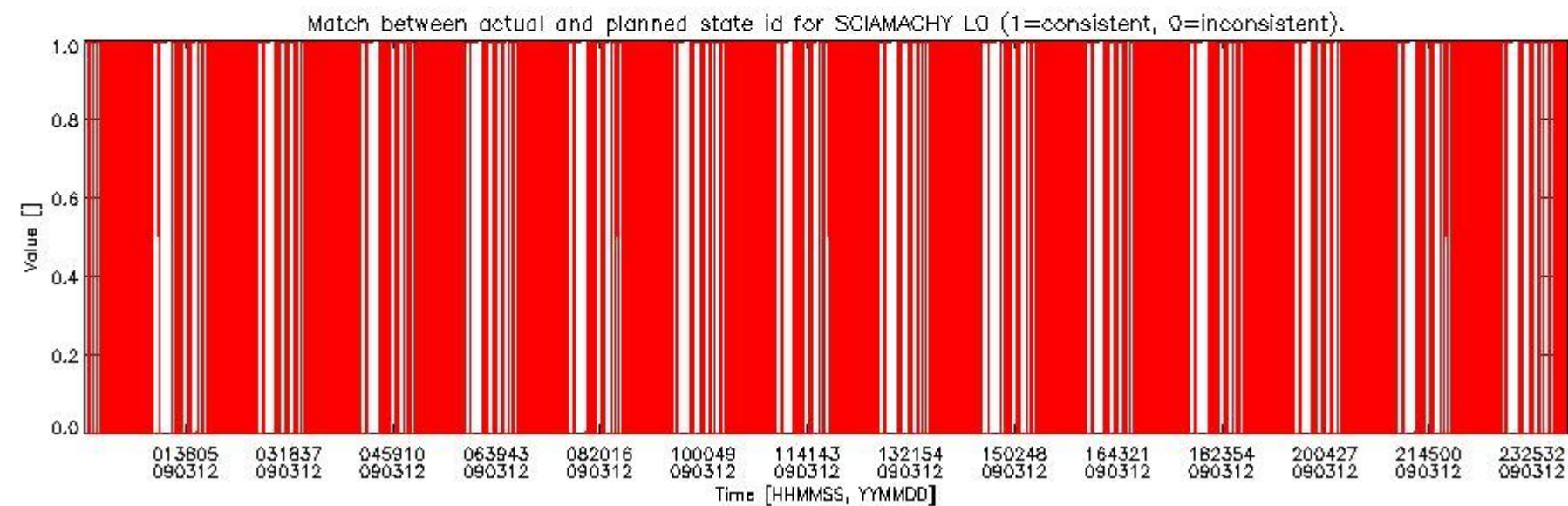
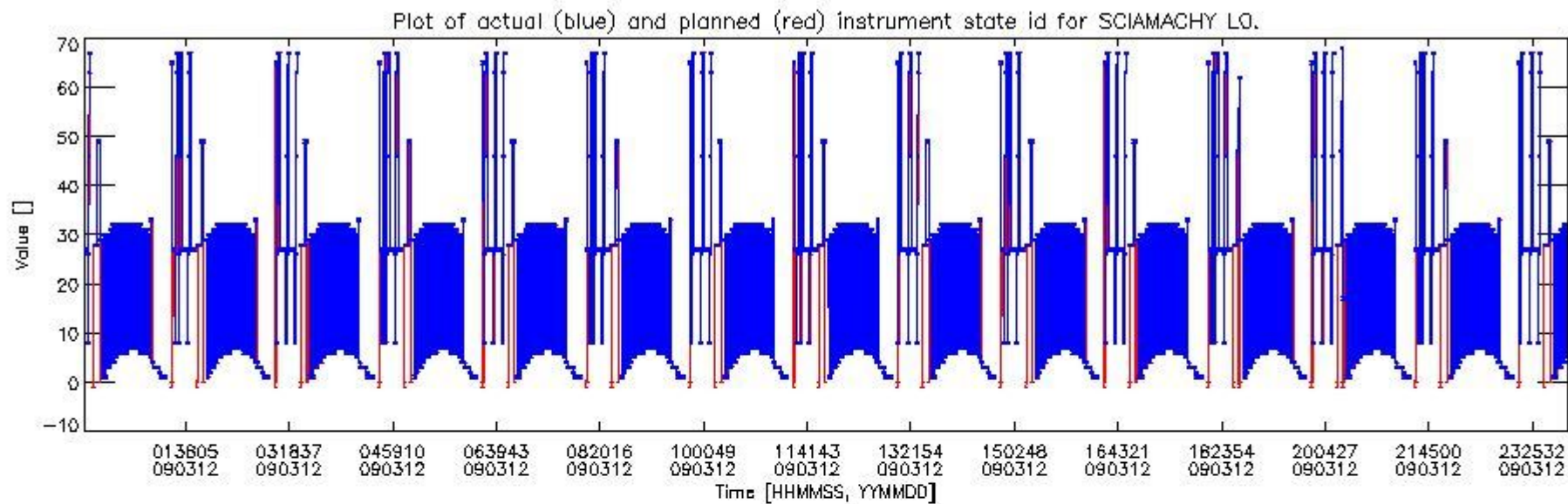


0.3 State monitoring

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: **48384**

#	Actual time	Actual value	Planned time	Planned value
0	12MAR2009 00:02:43.538401	8	12MAR2009 00:02:43.538401	27
1	12MAR2009 00:02:44.663400	8	12MAR2009 00:02:44.663400	27
2	12MAR2009 00:02:45.663394	8	12MAR2009 00:02:45.663394	27
3	12MAR2009 00:02:46.663389	8	12MAR2009 00:02:46.663389	27
4	12MAR2009 00:02:47.663383	8	12MAR2009 00:02:47.663383	27
5	12MAR2009 00:02:48.538374	8	12MAR2009 00:02:48.538374	27
6	12MAR2009 00:02:48.663378	8	12MAR2009 00:02:48.663378	27
7	12MAR2009 00:02:49.663373	8	12MAR2009 00:02:49.663373	27
8	12MAR2009 00:02:50.663367	8	12MAR2009 00:02:50.663367	27
9	12MAR2009 00:02:51.663402	8	12MAR2009 00:02:51.663402	27
10	12MAR2009 00:02:52.663397	8	12MAR2009 00:02:52.663397	27
11	12MAR2009 00:02:53.538387	8	12MAR2009 00:02:53.538387	27
12	12MAR2009 00:02:53.663391	8	12MAR2009 00:02:53.663391	27
13	12MAR2009 00:03:27.096966	26	12MAR2009 00:03:27.096966	8
14	12MAR2009 00:03:27.721987	26	12MAR2009 00:03:27.721987	8
15	12MAR2009 00:03:28.221965	26	12MAR2009 00:03:28.221965	8
16	12MAR2009 00:03:28.721982	26	12MAR2009 00:03:28.721982	8
17	12MAR2009 00:03:29.221999	26	12MAR2009 00:03:29.221999	8
18	12MAR2009 00:03:29.721977	26	12MAR2009 00:03:29.721977	8
19	12MAR2009 00:03:30.221994	26	12MAR2009 00:03:30.221994	8



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090312_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 12MAR2009.
 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_20090312_6.PNG

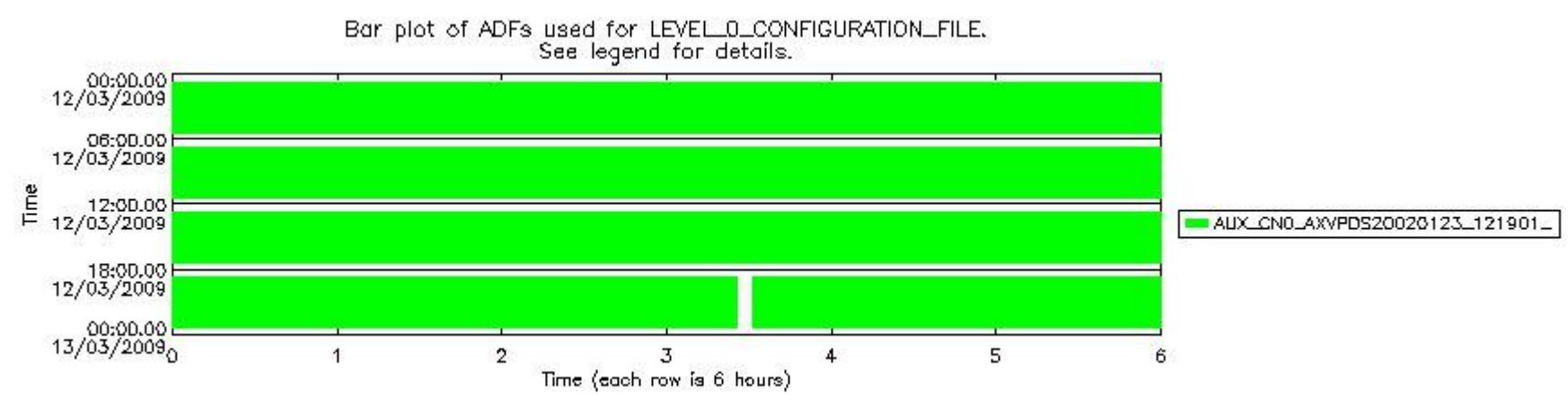
0.4 ADF monitoring

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

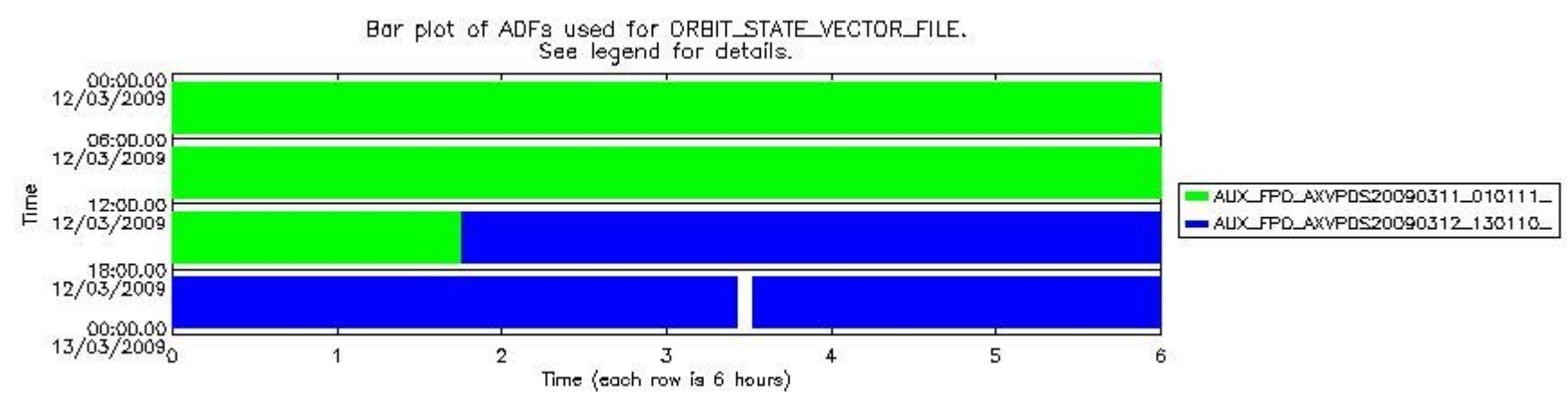
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

If multiple ADFs of a single type were used, these are marked **red** in the table.

Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090311_010111_20090310_192708_20090320_205321
2	AUX_FPO_AXVPDS20090312_130110_20090312_082018_20090321_184107



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sciamachy_daily_report_level0_KSPT_L0_4303_N_20090312_8.PNG

