

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	16JAN2009 05:15:08
Data source version	KSPT_L0/4303-N
Processing scope for products	12JAN2009 00:00:00 to 13JAN2009 00:00:00
Start time of first product within scope	11JAN2009 23:04:10
Stop time of last product within scope	13JAN2009 00:06:07
Total number of level 0 products	16
Number of level 0 products with errors	0

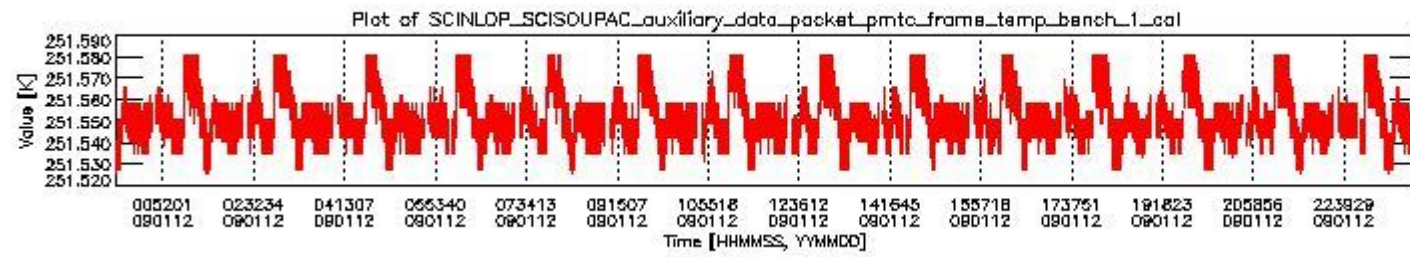
0.1.2 Summary per product

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

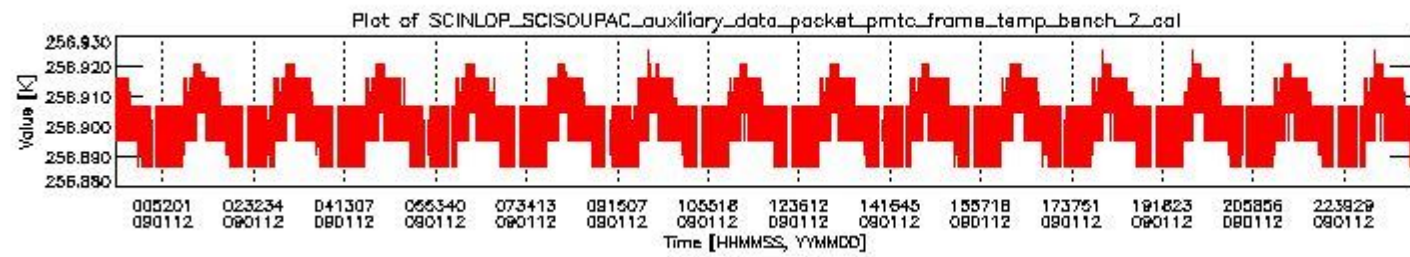
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090111_230410_000056182075_00287_35912_8271.N1	11JAN2009 23:04:10	12JAN2009 00:37:48	0	0	0	0	0
1	SCI_NL__OPNPDE20090112_004446_000055372075_00288_35913_8272.N1	12JAN2009 00:44:46	12JAN2009 02:17:03	0	0	0	0	0
2	SCI_NL__OPNPDE20090112_021554_000045602075_00289_35914_8273.N1	12JAN2009 02:15:54	12JAN2009 03:31:54	0	0	0	0	0
3	SCI_NL__OPNPDE20090112_033059_000062162075_00290_35915_8274.N1	12JAN2009 03:30:59	12JAN2009 05:14:35	0	0	0	0	0
4	SCI_NL__OPNPDE20090112_051326_000060482075_00291_35916_8275.N1	12JAN2009 05:13:26	12JAN2009 06:54:14	0	0	0	0	0
5	SCI_NL__OPNPDK20090112_065306_000041012075_00292_35917_0429.N1	12JAN2009 06:53:06	12JAN2009 08:01:26	0	0	0	0	0
6	SCI_NL__OPNPDK20090112_080126_000060482075_00293_35918_0430.N1	12JAN2009 08:01:26	12JAN2009 09:42:15	0	0	0	0	0
7	SCI_NL__OPNPDK20090112_094106_000059802075_00294_35919_0431.N1	12JAN2009 09:41:06	12JAN2009 11:20:46	0	0	0	0	0
8	SCI_NL__OPNPDK20090112_111854_000062032075_00295_35920_0432.N1	12JAN2009 11:18:54	12JAN2009 13:02:17	0	0	0	0	0
9	SCI_NL__OPNPDK20090112_130122_000059802075_00296_35921_0433.N1	12JAN2009 13:01:22	12JAN2009 14:41:01	0	0	0	0	0
10	SCI_NL__OPNPDK20090112_143748_000060362075_00297_35922_0434.N1	12JAN2009 14:37:48	12JAN2009 16:18:23	0	0	0	0	0
11	SCI_NL__OPNPDK20090112_161630_000060362075_00298_35923_0435.N1	12JAN2009 16:16:30	12JAN2009 17:57:06	0	0	0	0	0
12	SCI_NL__OPNPDK20090112_175514_000058102075_00299_35924_0436.N1	12JAN2009 17:55:14	12JAN2009 19:32:04	0	0	0	0	0
13	SCI_NL__OPNPDE20090112_193550_000041052075_00300_35925_8277.N1	12JAN2009 19:35:50	12JAN2009 20:44:15	0	0	0	0	0
14	SCI_NL__OPNPDE20090112_204415_000060642075_00300_35925_8278.N1	12JAN2009 20:44:15	12JAN2009 22:25:19	0	0	0	0	0
15	SCI_NL__OPNPDE20090112_223231_000056162075_00301_35926_8279.N1	12JAN2009 22:32:31	13JAN2009 00:06:07	0	0	0	0	0

0.2 Product Quality Indicators

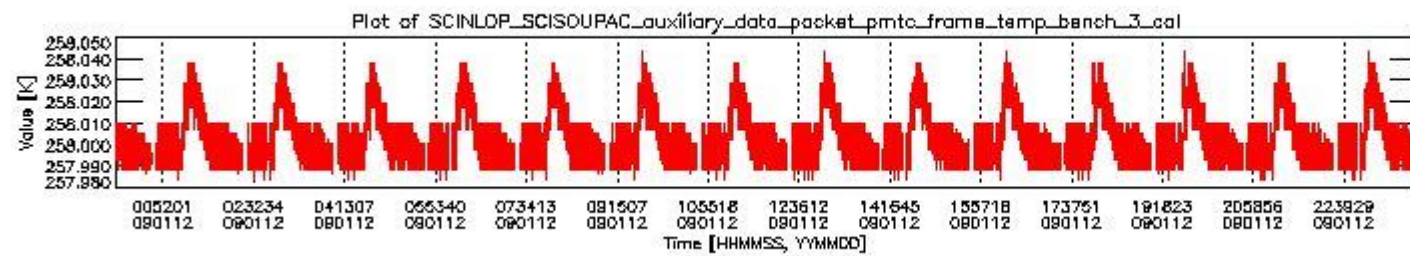
This section shows information about product quality, currently temperatures.



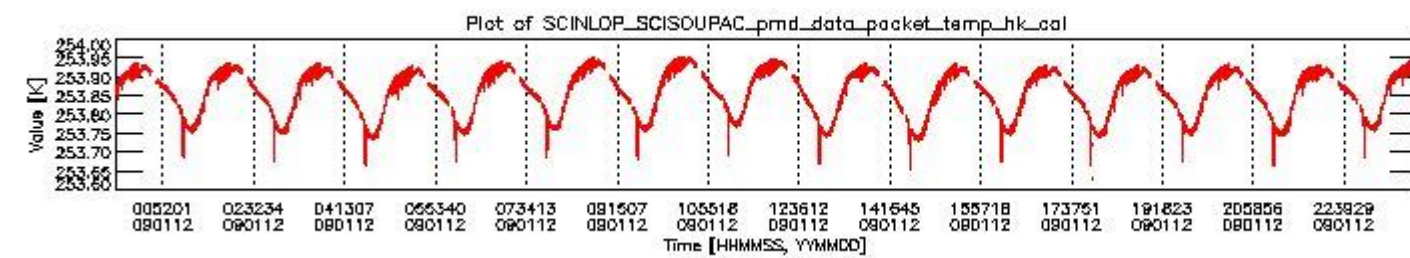
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090112_0.PNG



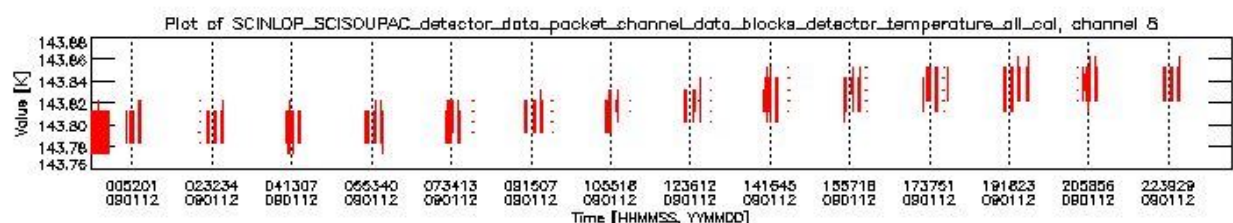
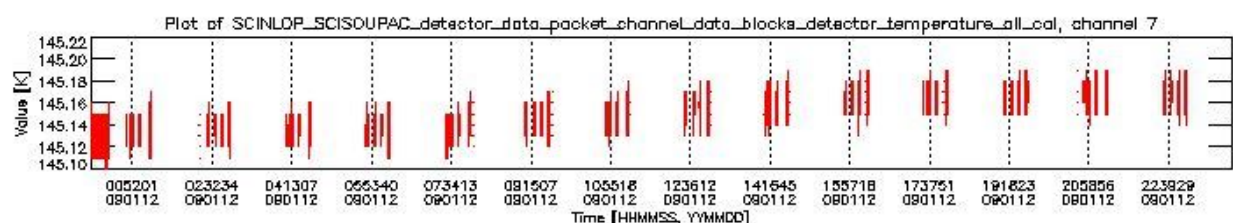
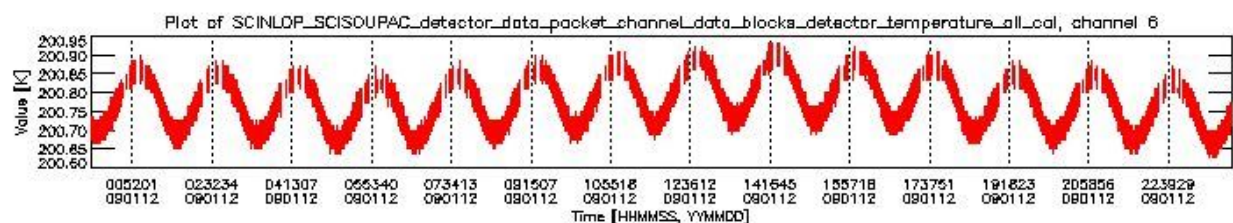
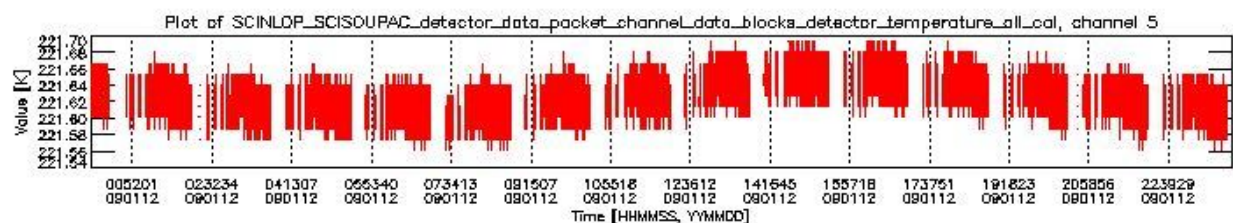
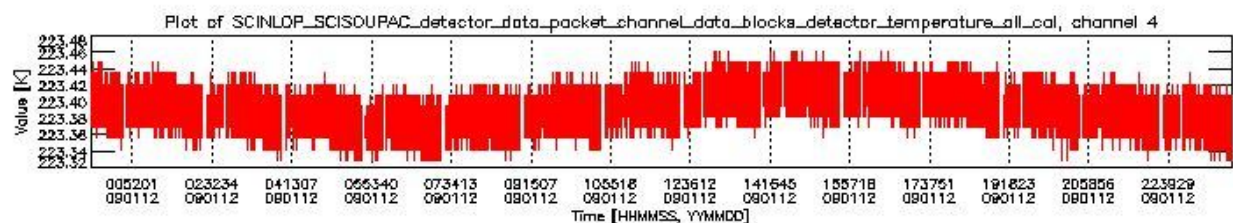
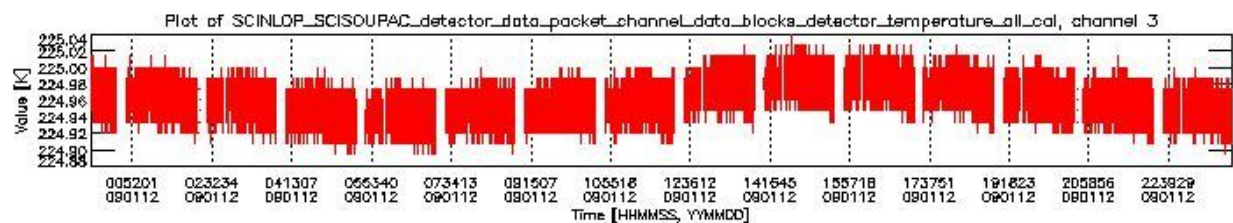
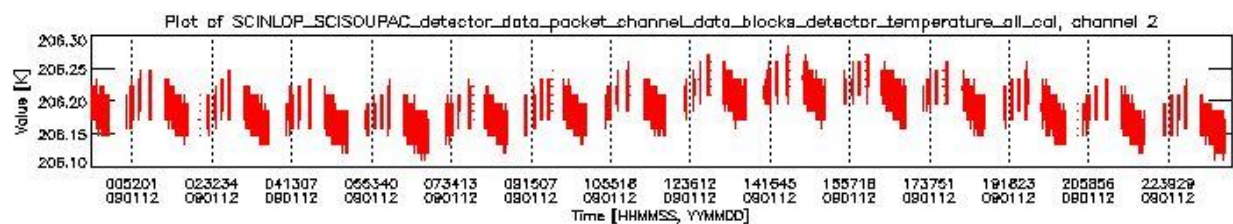
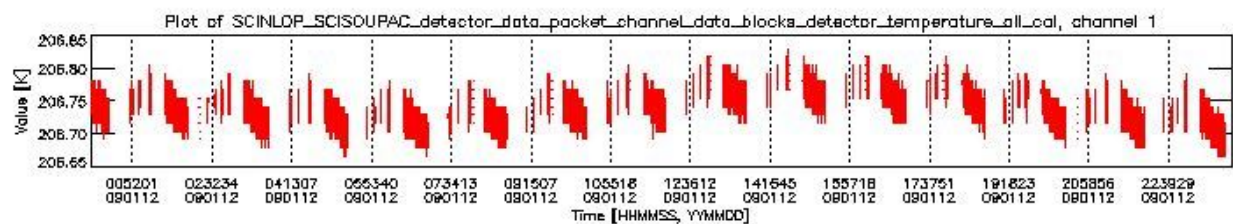
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20090112_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090112_3.PNG

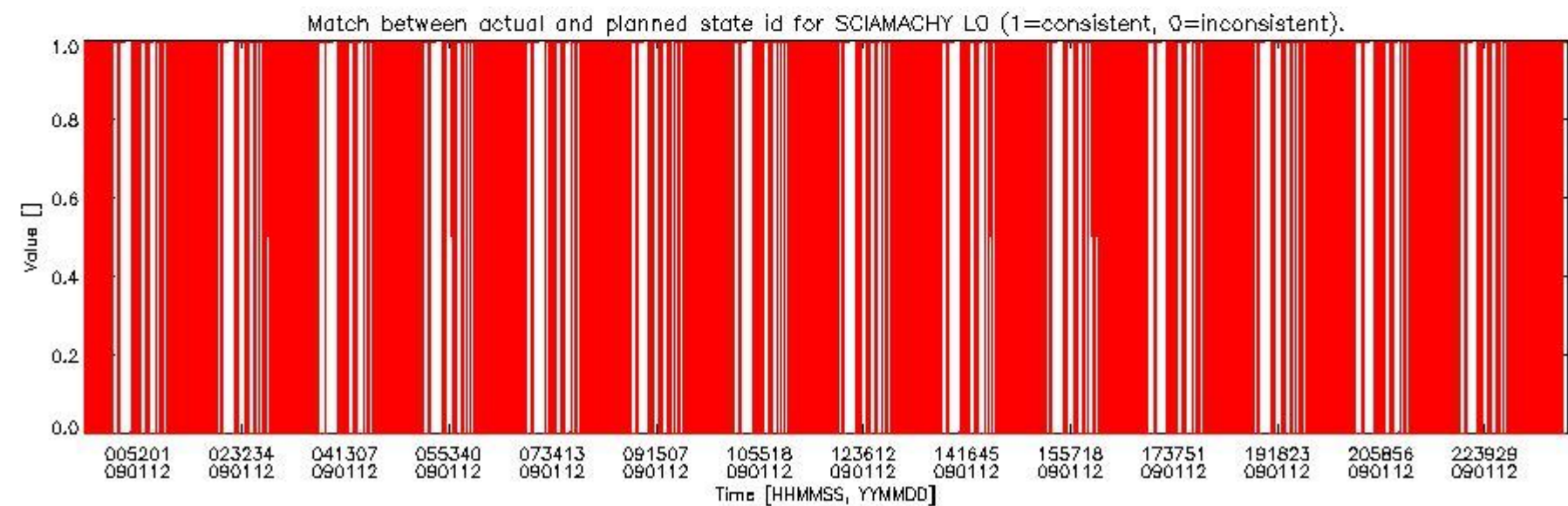
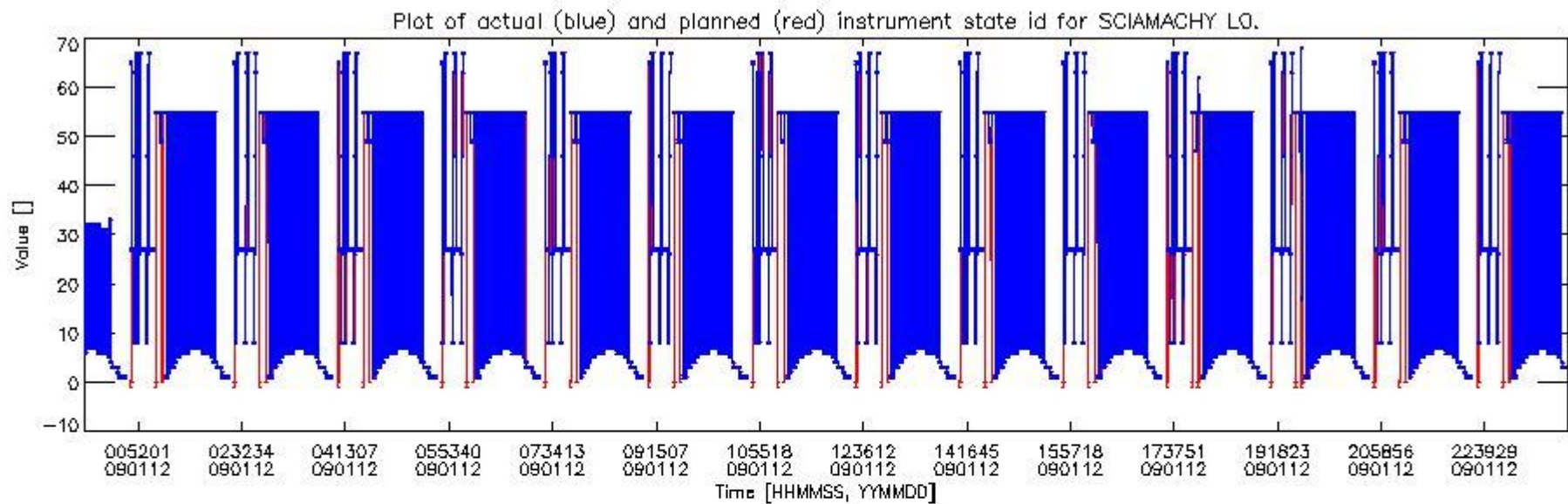


0.3 State monitoring

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: **53113**

#	Actual time	Actual value	Planned time	Planned value
0	12JAN2009 00:00:21.527383	6	12JAN2009 00:00:21.527383	32
1	12JAN2009 00:00:21.902396	6	12JAN2009 00:00:21.902396	32
2	12JAN2009 00:00:22.152404	6	12JAN2009 00:00:22.152404	32
3	12JAN2009 00:00:22.402413	6	12JAN2009 00:00:22.402413	32
4	12JAN2009 00:00:22.652382	6	12JAN2009 00:00:22.652382	32
5	12JAN2009 00:00:22.902390	6	12JAN2009 00:00:22.902390	32
6	12JAN2009 00:00:23.152399	6	12JAN2009 00:00:23.152399	32
7	12JAN2009 00:00:23.402408	6	12JAN2009 00:00:23.402408	32
8	12JAN2009 00:00:23.652416	6	12JAN2009 00:00:23.652416	32
9	12JAN2009 00:00:23.902385	6	12JAN2009 00:00:23.902385	32
10	12JAN2009 00:00:24.152394	6	12JAN2009 00:00:24.152394	32
11	12JAN2009 00:00:24.402402	6	12JAN2009 00:00:24.402402	32
12	12JAN2009 00:00:24.652411	6	12JAN2009 00:00:24.652411	32
13	12JAN2009 00:00:24.902380	6	12JAN2009 00:00:24.902380	32
14	12JAN2009 00:00:25.152388	6	12JAN2009 00:00:25.152388	32
15	12JAN2009 00:00:25.402397	6	12JAN2009 00:00:25.402397	32
16	12JAN2009 00:00:25.652406	6	12JAN2009 00:00:25.652406	32
17	12JAN2009 00:00:25.902414	6	12JAN2009 00:00:25.902414	32
18	12JAN2009 00:00:26.152383	6	12JAN2009 00:00:26.152383	32
19	12JAN2009 00:00:26.402391	6	12JAN2009 00:00:26.402391	32

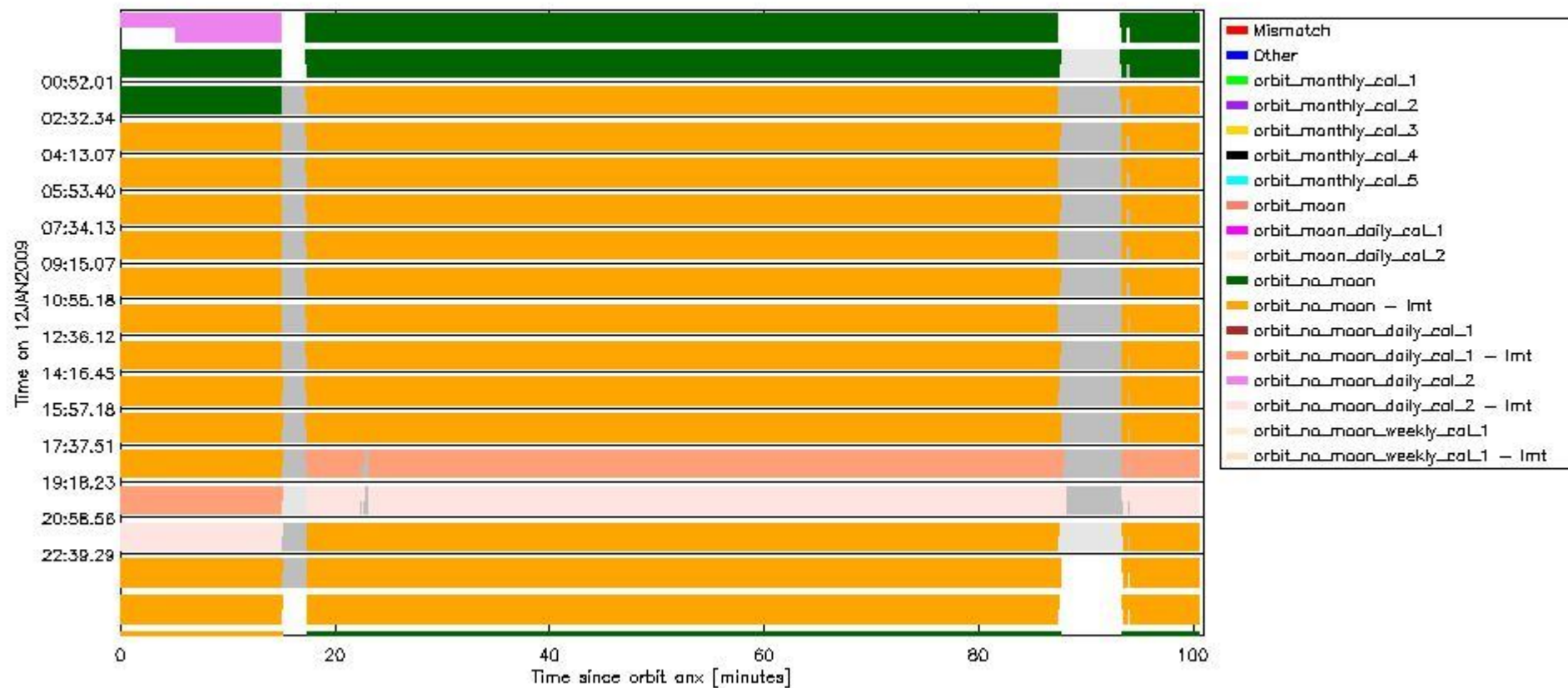


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090112_5.PNG

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 12JAN2009.
 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_20090112_6.PNG

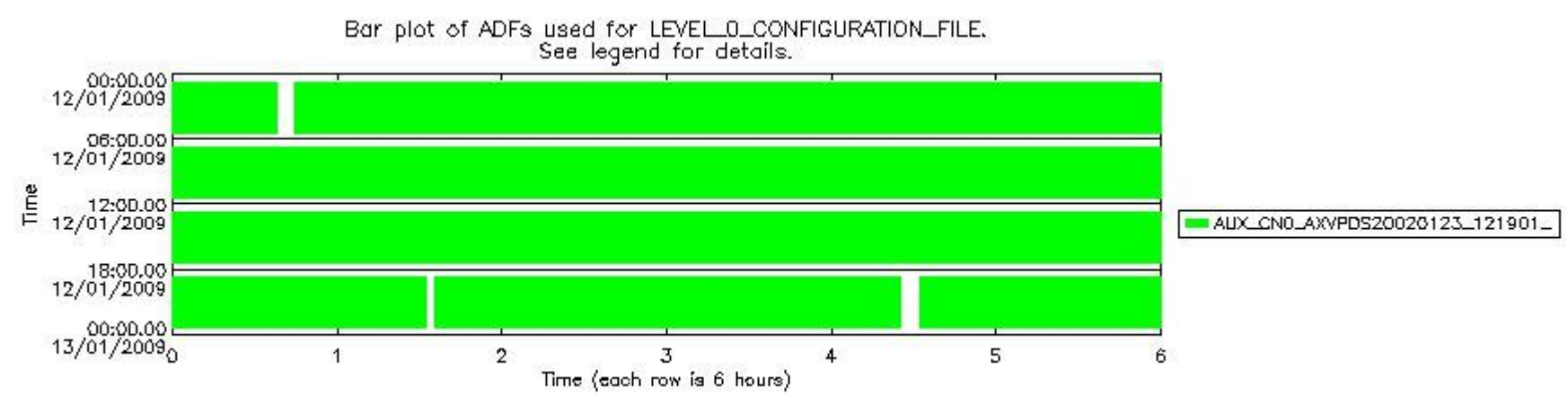
0.4 ADF monitoring

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

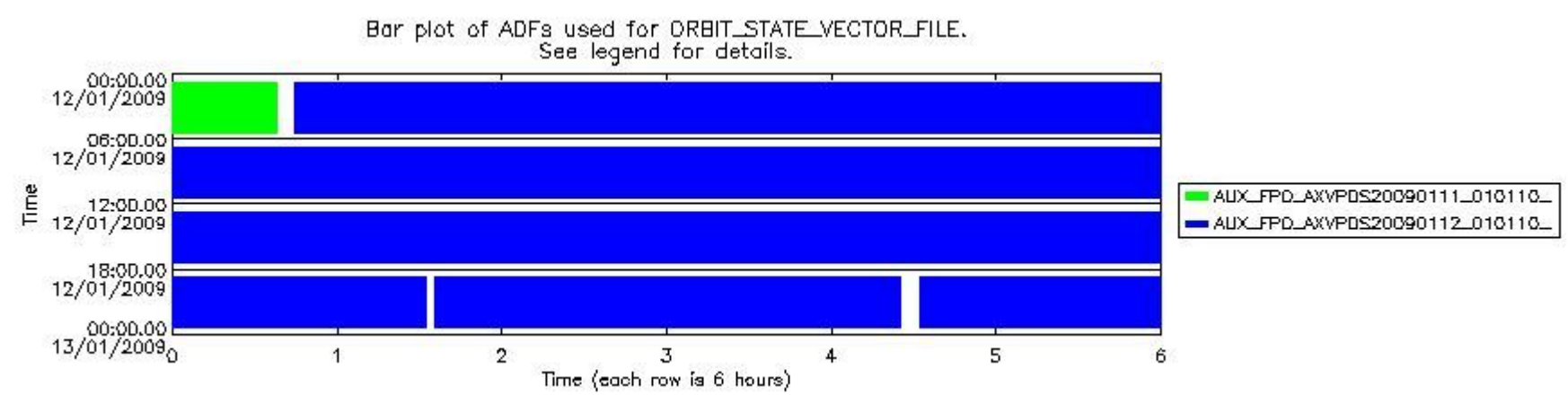
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20090111_010110_20090110_184108_20090120_200721
2	AUX_FPO_AXVPDS20090112_010110_20090111_195007_20090121_211619



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090112_7.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090112_8.PNG

