

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	01FEB2008 10:28:53
Data source version	KSPT_L0/4303-N
Processing scope for products	30JAN2008 00:00:00 to 31JAN2008 00:00:00
Start time of first product within scope	29JAN2008 23:40:31
Stop time of last product within scope	31JAN2008 00:42:06
Total number of level 0 products	16
Number of level 0 products with errors	0

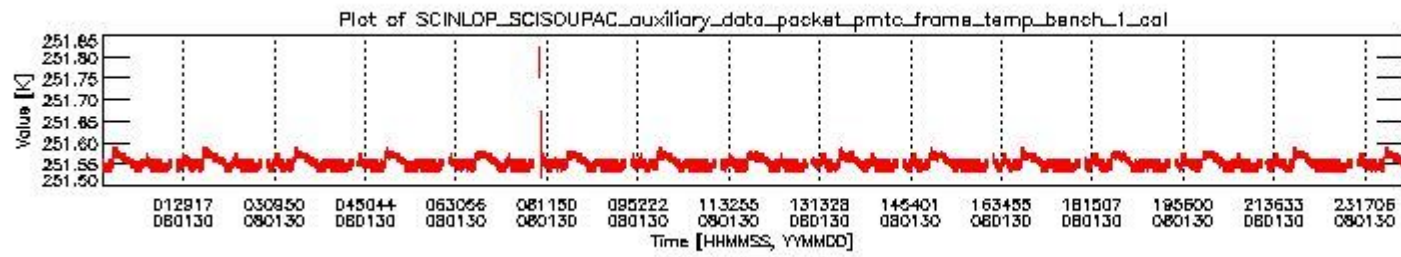
0.1.2 Summary per product

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

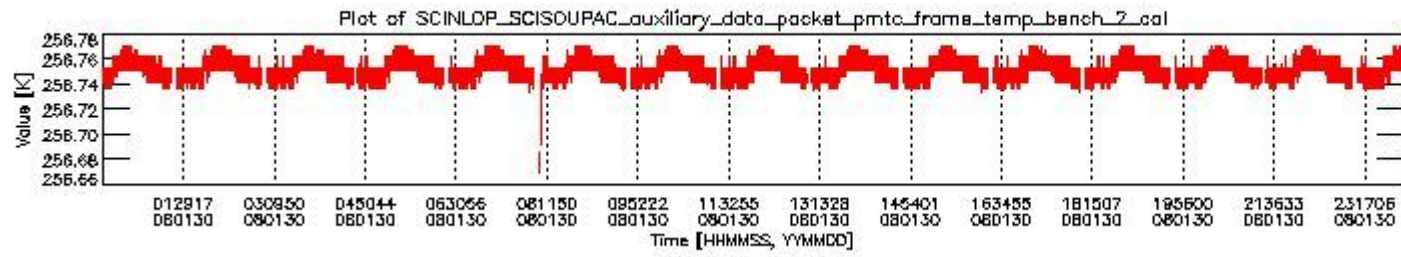
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080129_234031_000055982065_00316_30931_6036.N1	29JAN2008 23:40:31	30JAN2008 01:13:49	0	0	0	0	0
1	SCI_NL__OPNPDE20080130_012106_000043462065_00317_30932_6037.N1	30JAN2008 01:21:06	30JAN2008 02:33:32	0	0	0	0	0
2	SCI_NL__OPNPDE20080130_023332_000058552065_00318_30933_6038.N1	30JAN2008 02:33:32	30JAN2008 04:11:07	0	0	0	0	0
3	SCI_NL__OPNPDE20080130_040959_000060912065_00319_30934_6039.N1	30JAN2008 04:09:59	30JAN2008 05:51:30	0	0	0	0	0
4	SCI_NL__OPNPDE20080130_055034_000062292065_00320_30935_6040.N1	30JAN2008 05:50:34	30JAN2008 07:34:23	0	0	0	0	0
5	SCI_NL__OPNPDK20080130_073314_000039202065_00321_30936_7259.N1	30JAN2008 07:33:14	30JAN2008 08:38:35	0	0	0	0	0
6	SCI_NL__OPNPDK20080130_083835_000061602065_00322_30937_7260.N1	30JAN2008 08:38:35	30JAN2008 10:21:15	0	0	0	0	0
7	SCI_NL__OPNPDK20080130_102019_000059672065_00323_30938_7261.N1	30JAN2008 10:20:19	30JAN2008 11:59:46	0	0	0	0	0
8	SCI_NL__OPNPDK20080130_115837_000061042065_00324_30939_7262.N1	30JAN2008 11:58:37	30JAN2008 13:40:21	0	0	0	0	0
9	SCI_NL__OPNPDK20080130_133925_000057992065_00325_30940_7263.N1	30JAN2008 13:39:25	30JAN2008 15:16:05	0	0	0	0	0
10	SCI_NL__OPNPDK20080130_151347_000060362065_00326_30941_7264.N1	30JAN2008 15:13:47	30JAN2008 16:54:22	0	0	0	0	0
11	SCI_NL__OPNPDK20080130_165422_000058672065_00327_30942_7265.N1	30JAN2008 16:54:22	30JAN2008 18:32:09	0	0	0	0	0
12	SCI_NL__OPNPDK20080130_183113_000061472065_00328_30943_7266.N1	30JAN2008 18:31:13	30JAN2008 20:13:41	0	0	0	0	0
13	SCI_NL__OPNPDE20080130_201149_000041752065_00329_30944_6041.N1	30JAN2008 20:11:49	30JAN2008 21:21:24	0	0	0	0	0
14	SCI_NL__OPNPDE20080130_212124_000059942065_00329_30944_6042.N1	30JAN2008 21:21:24	30JAN2008 23:01:18	0	0	0	0	0
15	SCI_NL__OPNPDE20080130_230849_000055972065_00330_30945_6043.N1	30JAN2008 23:08:49	31JAN2008 00:42:06	0	0	0	0	0

0.2 Product Quality Indicators

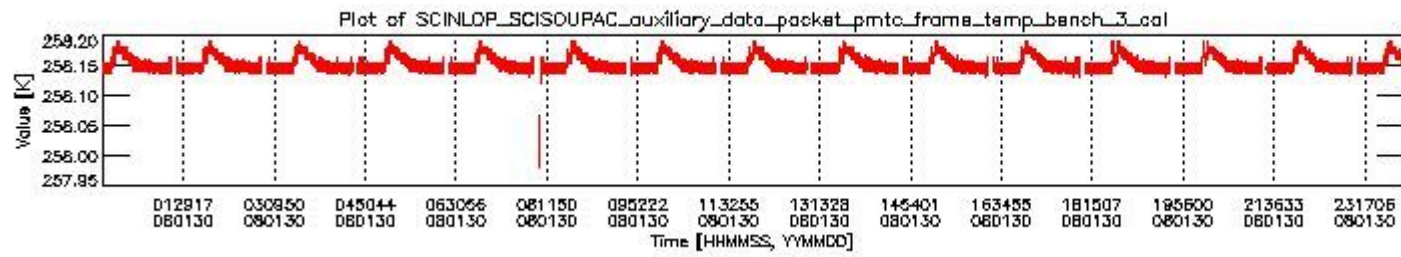
This section shows information about product quality, currently temperatures.



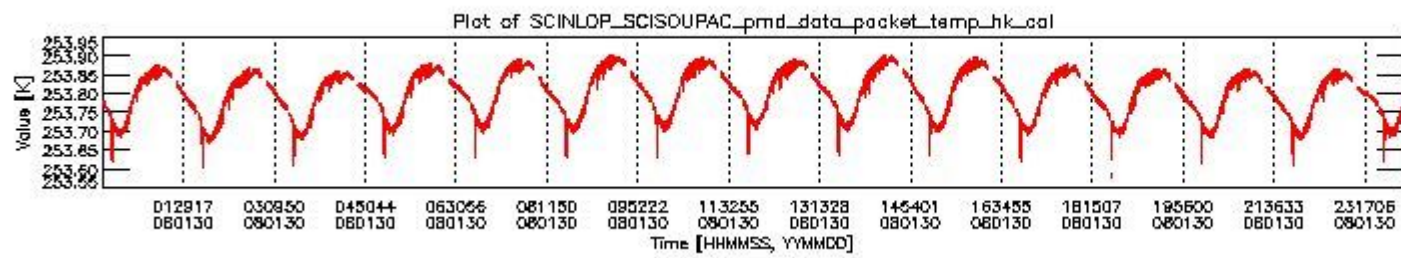
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080130_0.PNG



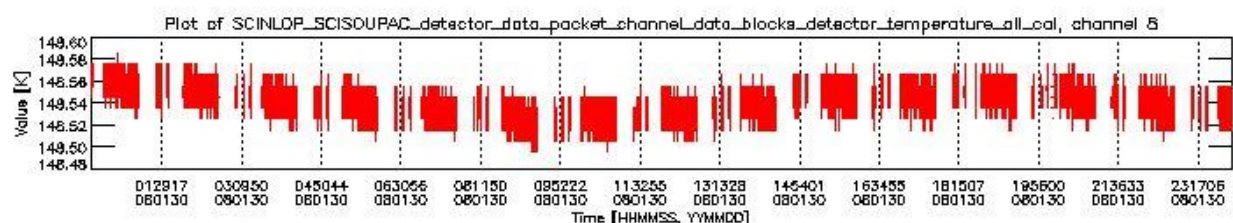
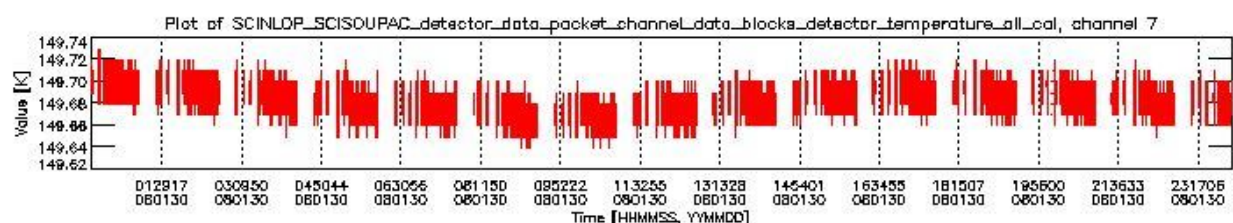
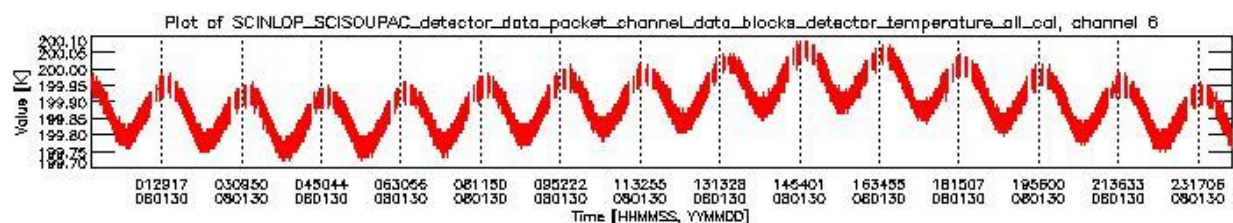
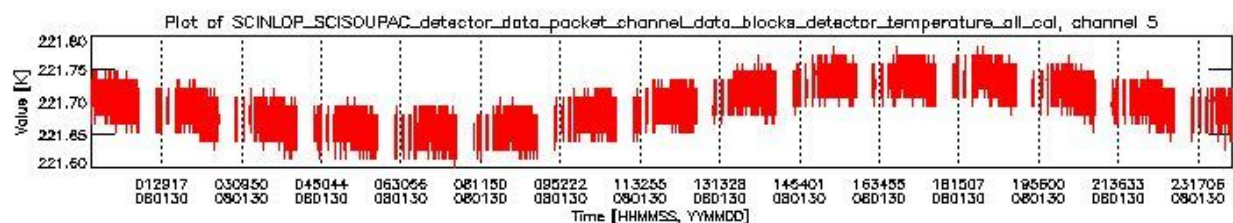
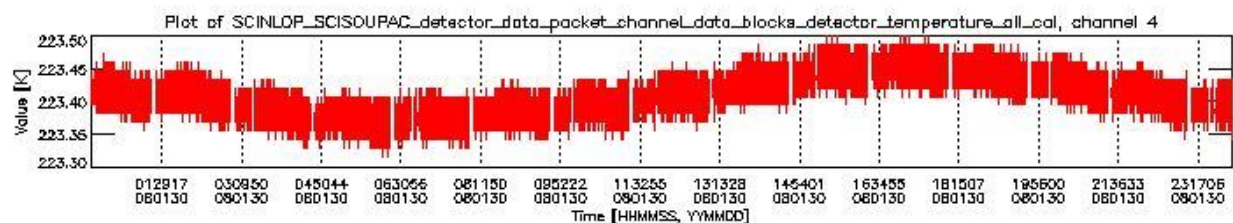
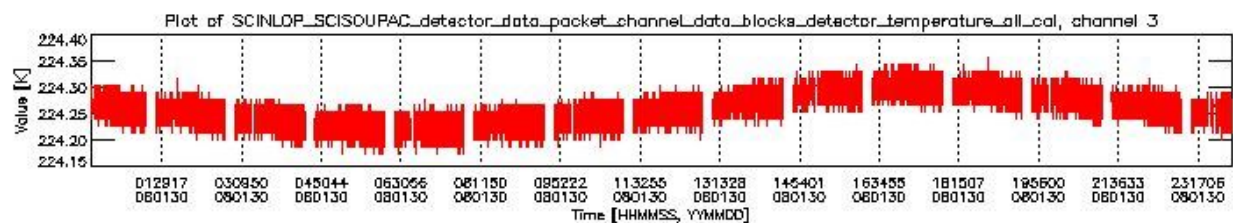
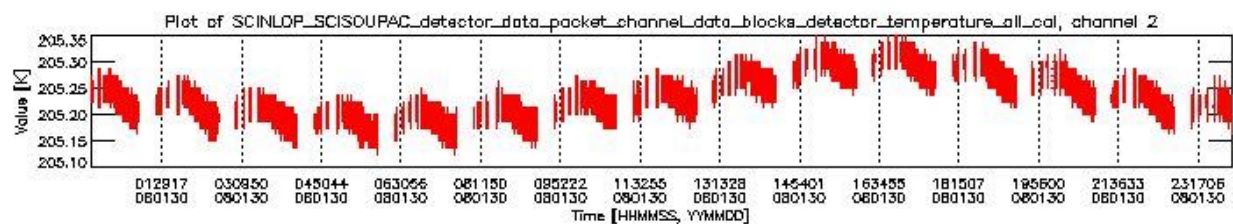
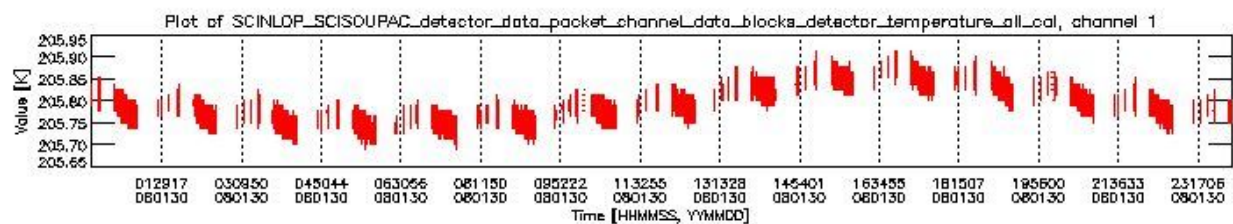
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080130_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080130_3.PNG

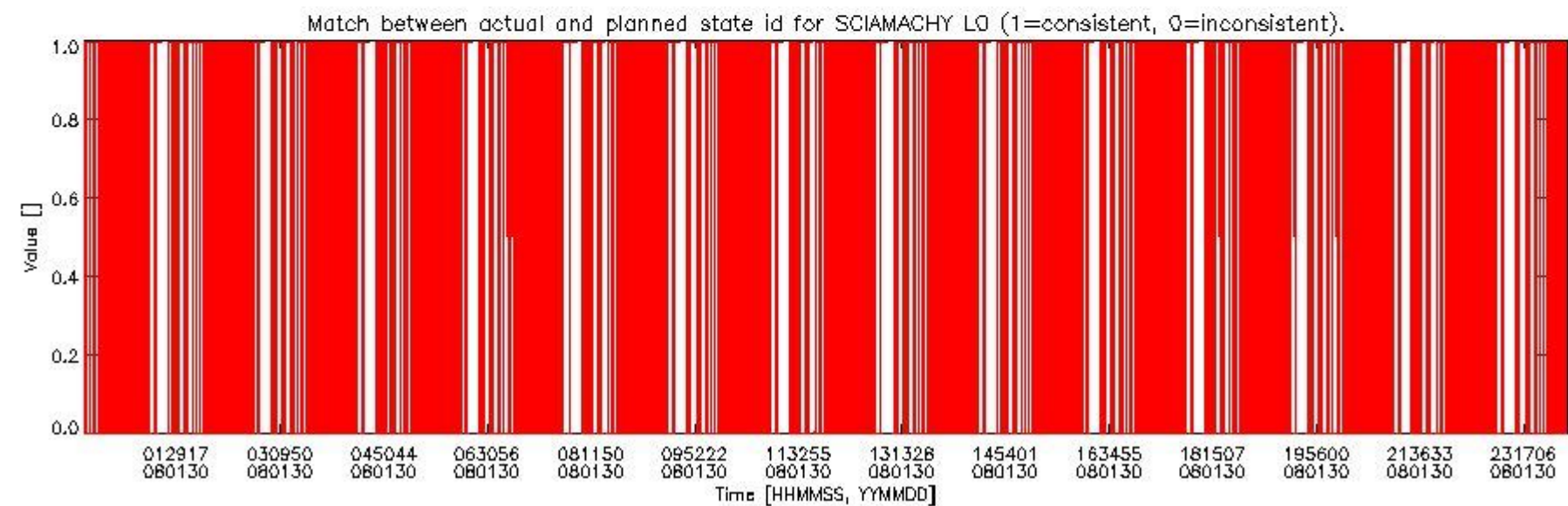
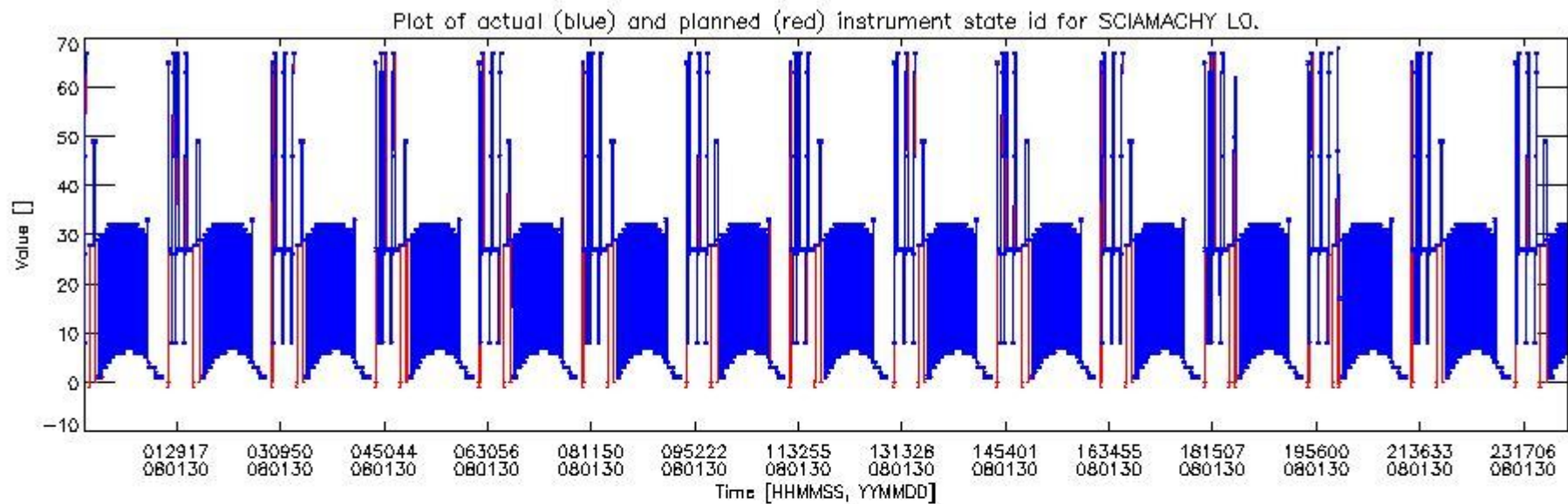


0.3 State monitoring

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: **40134**

#	Actual time	Actual value	Planned time	Planned value
0	30JAN2008 00:00:00.069684	26	30JAN2008 00:00:00.069684	8
1	30JAN2008 00:00:00.194688	26	30JAN2008 00:00:00.194688	8
2	30JAN2008 00:00:00.694665	26	30JAN2008 00:00:00.694665	8
3	30JAN2008 00:00:01.194683	26	30JAN2008 00:00:01.194683	8
4	30JAN2008 00:00:01.694660	26	30JAN2008 00:00:01.694660	8
5	30JAN2008 00:00:02.194677	26	30JAN2008 00:00:02.194677	8
6	30JAN2008 00:00:02.694695	26	30JAN2008 00:00:02.694695	8
7	30JAN2008 00:00:03.194672	26	30JAN2008 00:00:03.194672	8
8	30JAN2008 00:00:03.694689	26	30JAN2008 00:00:03.694689	8
9	30JAN2008 00:00:28.628290	46	30JAN2008 00:00:28.628290	26
10	30JAN2008 00:00:29.253271	46	30JAN2008 00:00:29.253271	26
11	30JAN2008 00:00:29.753289	46	30JAN2008 00:00:29.753289	26
12	30JAN2008 00:00:30.253266	46	30JAN2008 00:00:30.253266	26
13	30JAN2008 00:00:30.753283	46	30JAN2008 00:00:30.753283	26
14	30JAN2008 00:00:31.253260	46	30JAN2008 00:00:31.253260	26
15	30JAN2008 00:00:31.753278	46	30JAN2008 00:00:31.753278	26
16	30JAN2008 00:00:32.253295	46	30JAN2008 00:00:32.253295	26
17	30JAN2008 00:00:32.753272	46	30JAN2008 00:00:32.753272	26
18	30JAN2008 00:00:33.253290	46	30JAN2008 00:00:33.253290	26
19	30JAN2008 00:00:33.628263	46	30JAN2008 00:00:33.628263	26

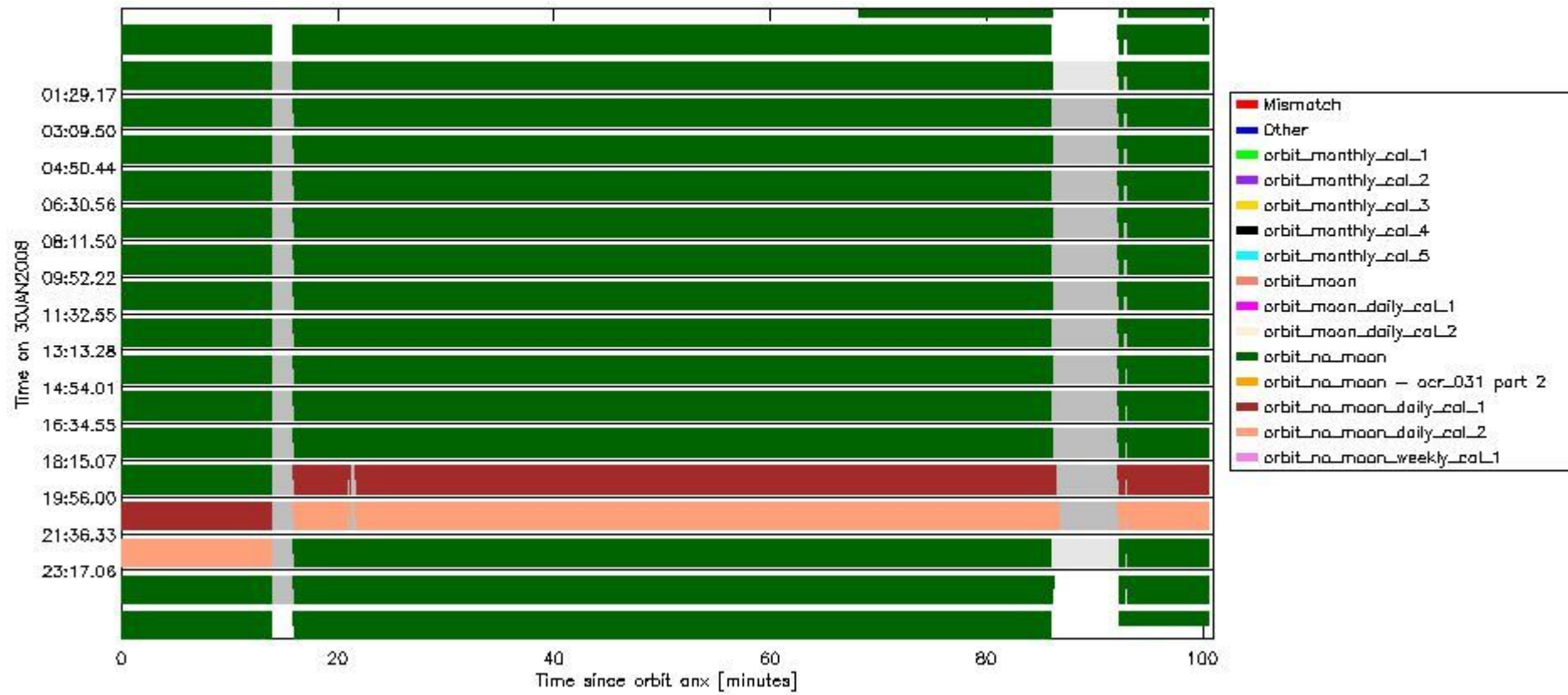


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080130_5.PNG

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 30JAN2008.
 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_20080130_6.PNG

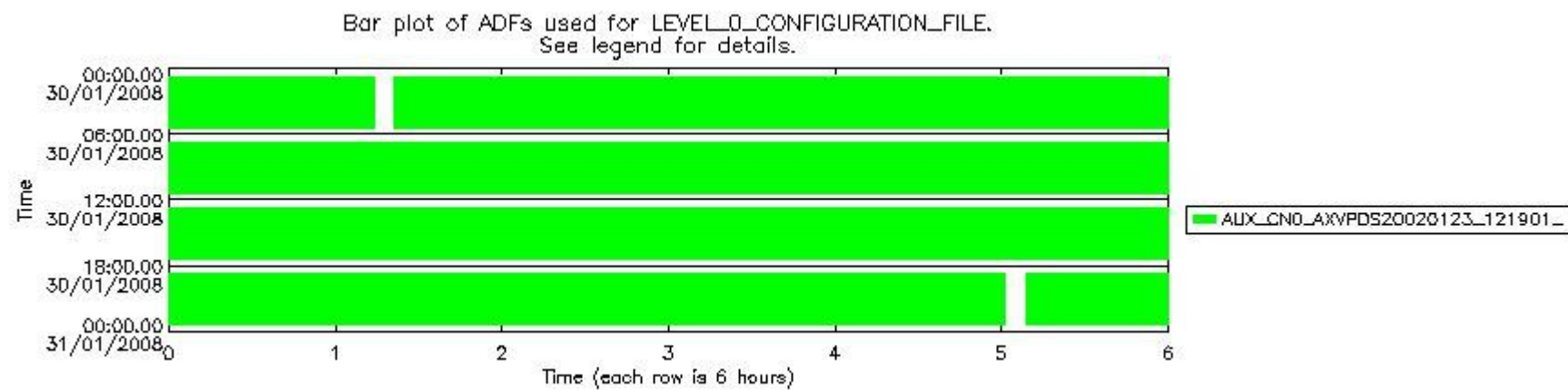
0.4 ADF monitoring

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

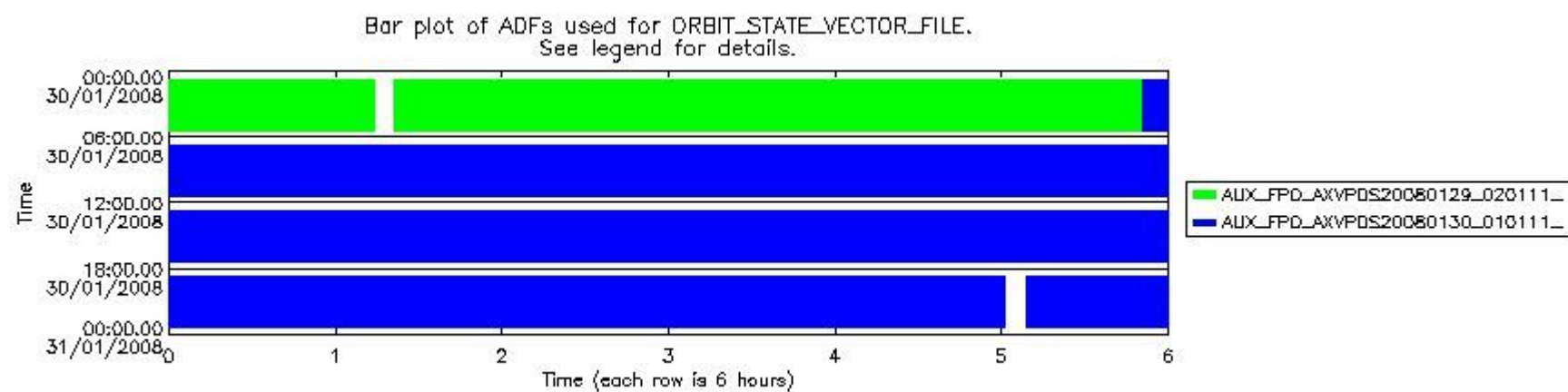
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20080129_020111_20080128_191832_20080207_204445
2	AUX_FPO_AXVPDS20080130_010111_20080129_184655_20080208_201308



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080130_7.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080130_8.PNG

