

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	25FEB2008 07:01:03
Data source version	KSPT_L0/4303-N
Processing scope for products	21FEB2008 00:00:00 to 22FEB2008 00:00:00
Start time of first product within scope	20FEB2008 23:46:46
Stop time of last product within scope	22FEB2008 00:48:19
Total number of level 0 products	16
Number of level 0 products with errors	0

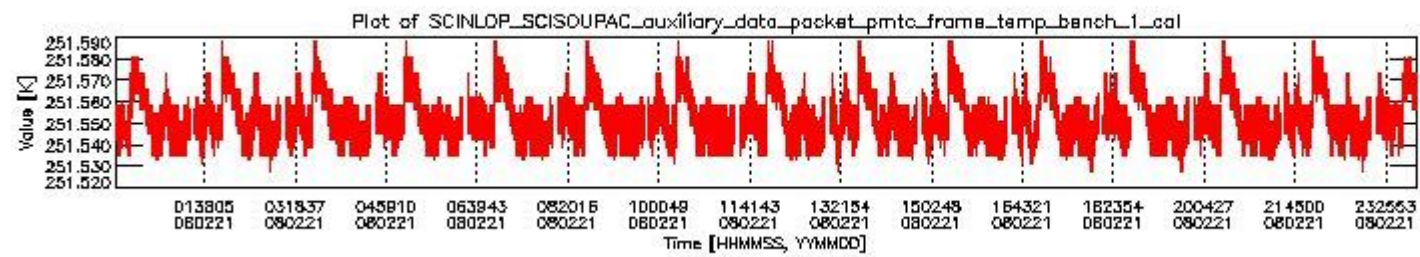
0.1.2 Summary per product

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

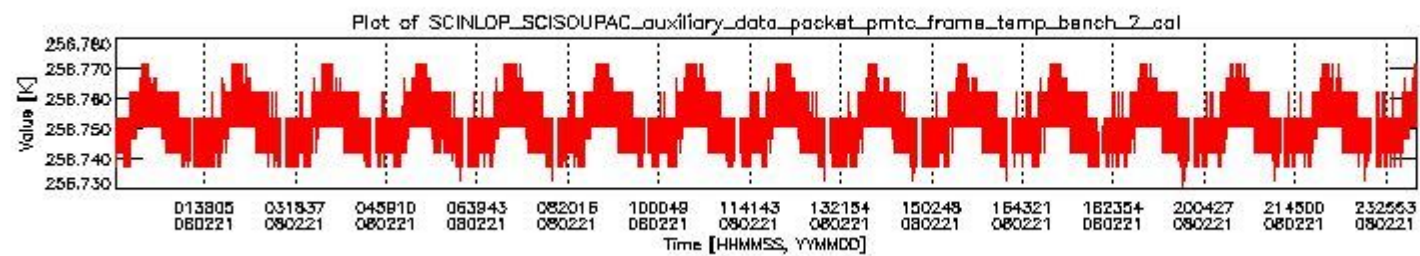
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080220_234646_000055972066_00130_31246_6178.N1	20FEB2008 23:46:46	21FEB2008 01:20:03	0	0	0	0	0
1	SCI_NL__OPNPDE20080221_012721_000045252066_00131_31247_6179.N1	21FEB2008 01:27:21	21FEB2008 02:42:46	0	0	0	0	0
2	SCI_NL__OPNPDE20080221_024246_000057992066_00132_31248_6180.N1	21FEB2008 02:42:46	21FEB2008 04:19:26	0	0	0	0	0
3	SCI_NL__OPNPDE20080221_041926_000060912066_00133_31249_6181.N1	21FEB2008 04:19:26	21FEB2008 06:00:57	0	0	0	0	0
4	SCI_NL__OPNPDK20080221_055949_000040572066_00134_31250_7447.N1	21FEB2008 05:59:49	21FEB2008 07:07:26	0	0	0	0	0
5	SCI_NL__OPNPDK20080221_070617_000062162066_00135_31251_7448.N1	21FEB2008 07:06:17	21FEB2008 08:49:53	0	0	0	0	0
6	SCI_NL__OPNPDK20080221_084953_000059242066_00136_31252_7449.N1	21FEB2008 08:49:53	21FEB2008 10:28:37	0	0	0	0	0
7	SCI_NL__OPNPDK20080221_102728_000060352066_00137_31253_7450.N1	21FEB2008 10:27:28	21FEB2008 12:08:04	0	0	0	0	0
8	SCI_NL__OPNPDK20080221_120655_000059802066_00138_31254_7451.N1	21FEB2008 12:06:55	21FEB2008 13:46:35	0	0	0	0	0
9	SCI_NL__OPNPDK20080221_134539_000058552066_00139_31255_7452.N1	21FEB2008 13:45:39	21FEB2008 15:23:14	0	0	0	0	0
10	SCI_NL__OPNPDK20080221_152000_000060362066_00140_31256_7453.N1	21FEB2008 15:20:00	21FEB2008 17:00:36	0	0	0	0	0
11	SCI_NL__OPNPDK20080221_170036_000060362066_00141_31257_7454.N1	21FEB2008 17:00:36	21FEB2008 18:41:11	0	0	0	0	0
12	SCI_NL__OPNPDK20080221_183918_000061482066_00142_31258_7455.N1	21FEB2008 18:39:18	21FEB2008 20:21:47	0	0	0	0	0
13	SCI_NL__OPNPDE20080221_202147_000039502066_00143_31259_6182.N1	21FEB2008 20:21:47	21FEB2008 21:27:37	0	0	0	0	0
14	SCI_NL__OPNPDE20080221_213426_000055852066_00143_31259_6183.N1	21FEB2008 21:34:26	21FEB2008 23:07:31	0	0	0	0	0
15	SCI_NL__OPNPDE20080221_231502_000055972066_00144_31260_6184.N1	21FEB2008 23:15:02	22FEB2008 00:48:19	0	0	0	0	0

0.2 Product Quality Indicators

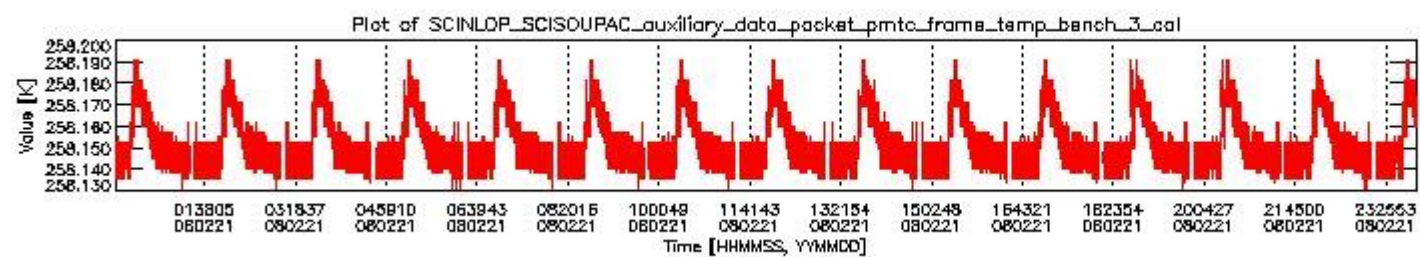
This section shows information about product quality, currently temperatures.



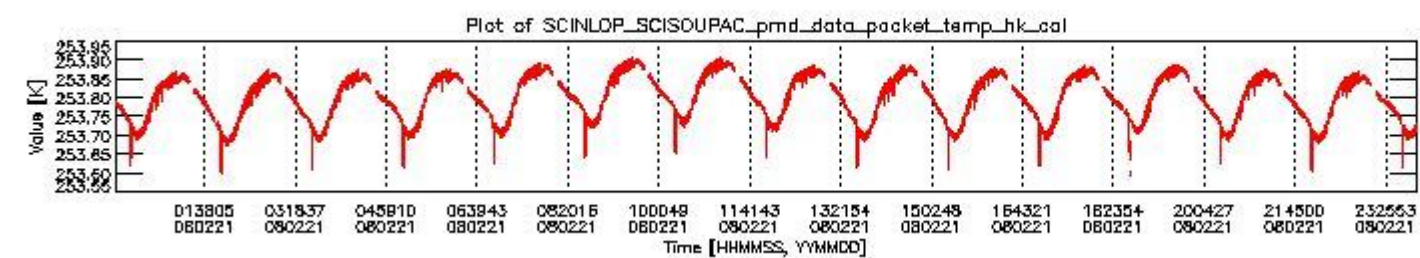
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080221_0.PNG



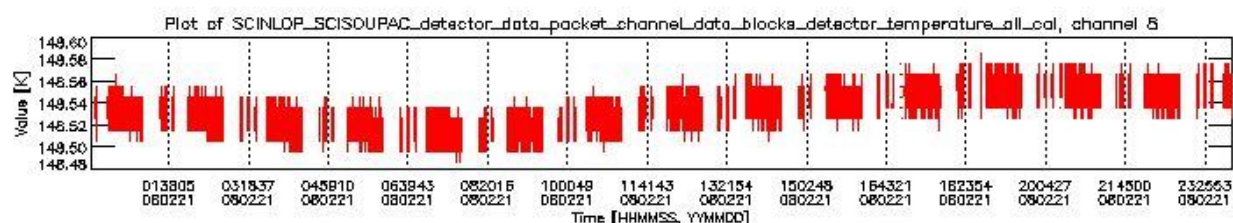
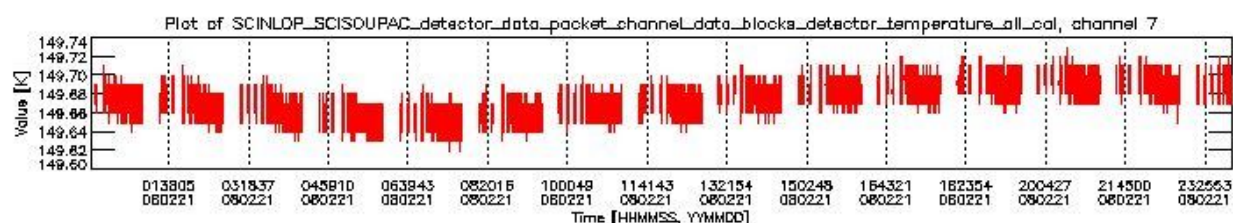
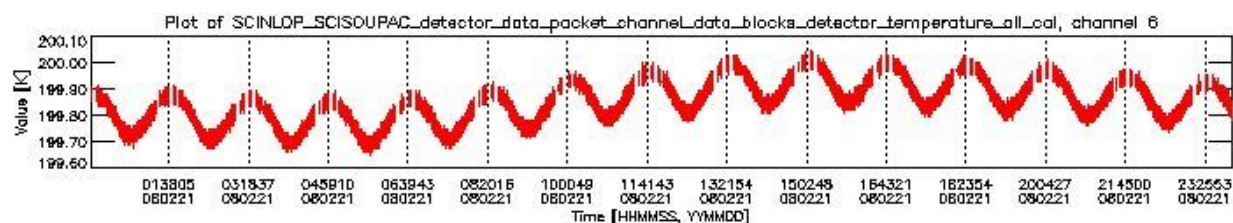
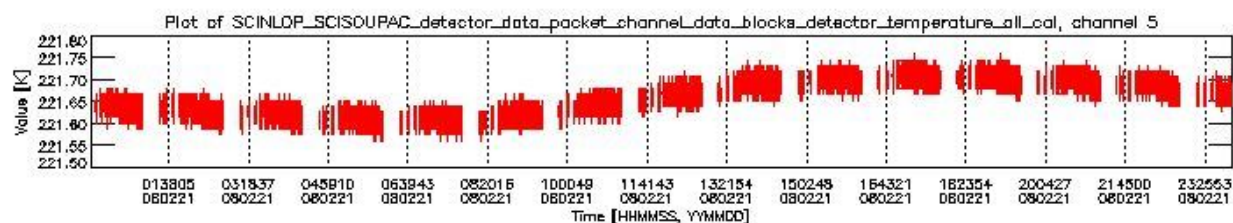
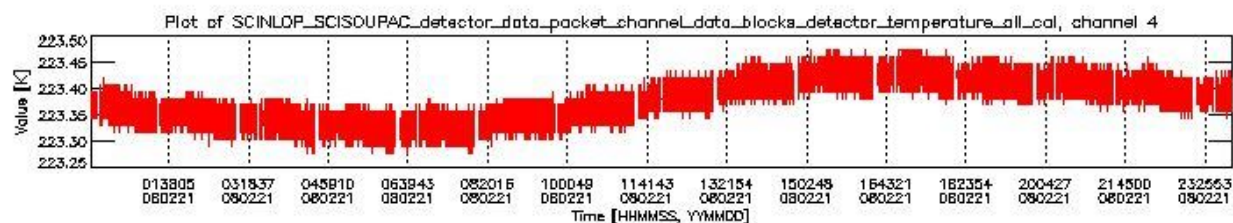
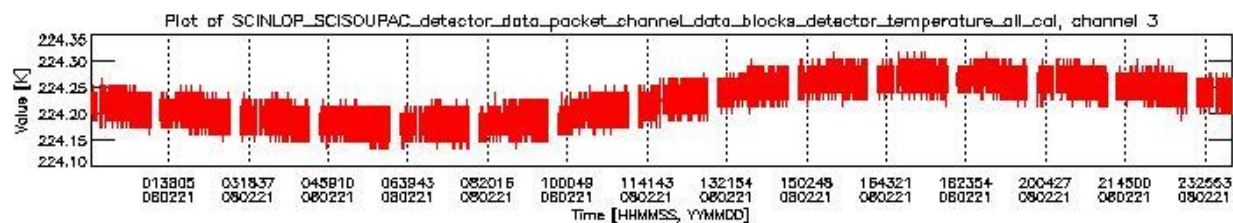
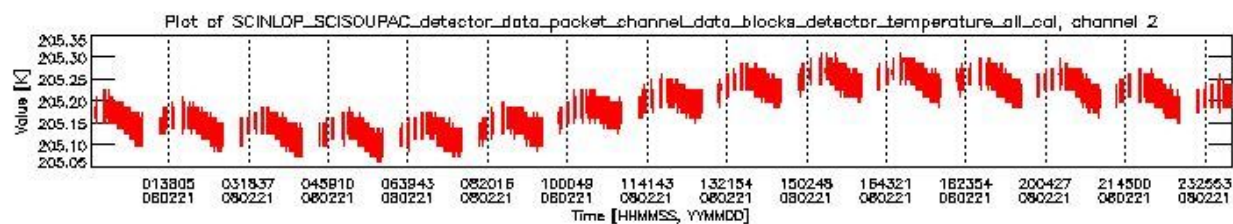
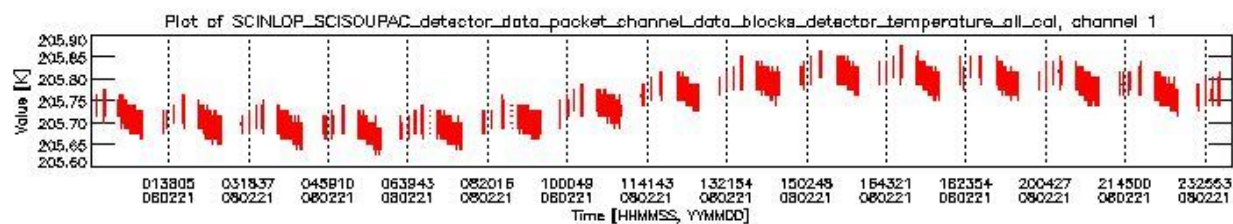
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080221_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080221_3.PNG

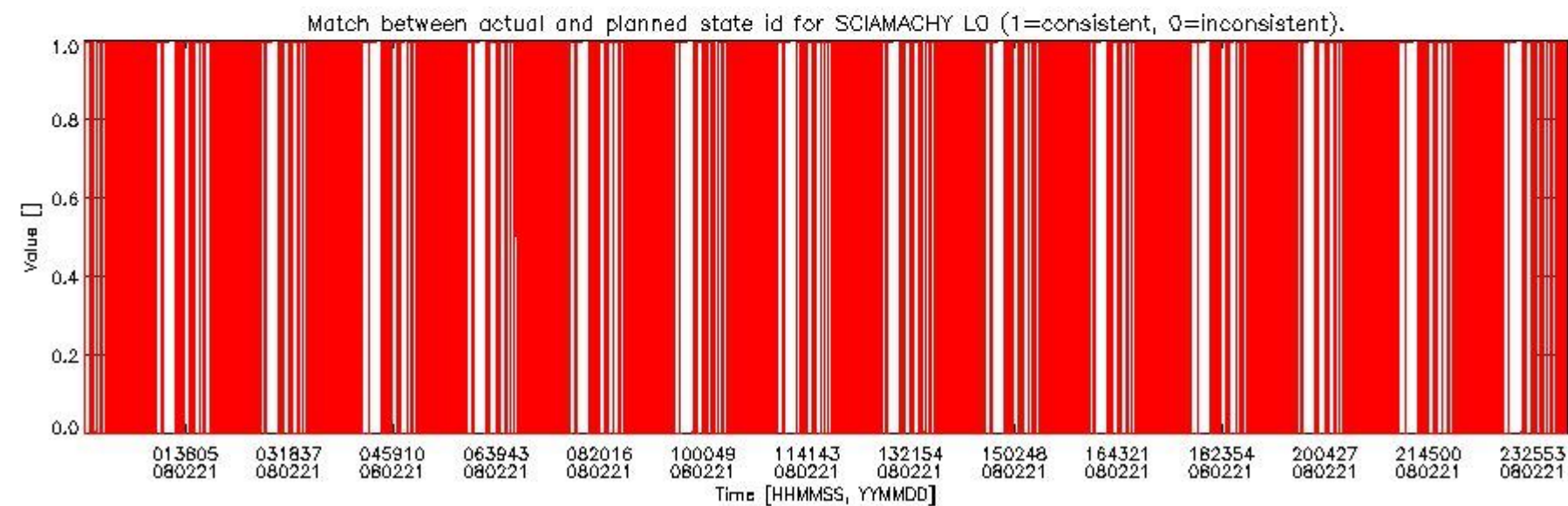
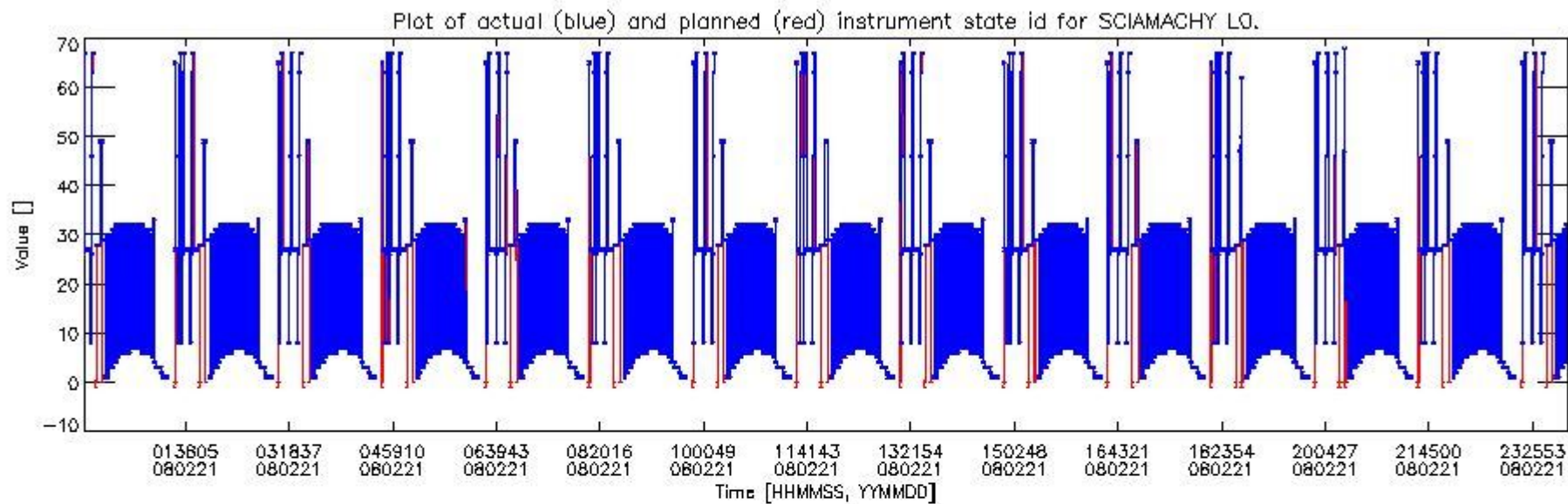


0.3 State monitoring

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: **40411**

#	Actual time	Actual value	Planned time	Planned value
0	21FEB2008 00:00:18.221185	27	21FEB2008 00:00:18.221185	67
1	21FEB2008 00:00:19.221179	27	21FEB2008 00:00:19.221179	67
2	21FEB2008 00:00:20.158692	27	21FEB2008 00:00:20.158692	67
3	21FEB2008 00:00:20.908718	27	21FEB2008 00:00:20.908718	67
4	21FEB2008 00:00:21.846190	27	21FEB2008 00:00:21.846190	67
5	21FEB2008 00:00:22.596216	27	21FEB2008 00:00:22.596216	67
6	21FEB2008 00:00:23.221198	27	21FEB2008 00:00:23.221198	67
7	21FEB2008 00:00:23.533688	27	21FEB2008 00:00:23.533688	67
8	21FEB2008 00:00:24.283715	27	21FEB2008 00:00:24.283715	67
9	21FEB2008 00:00:25.221187	27	21FEB2008 00:00:25.221187	67
10	21FEB2008 00:00:25.971213	27	21FEB2008 00:00:25.971213	67
11	21FEB2008 00:00:26.908685	27	21FEB2008 00:00:26.908685	67
12	21FEB2008 00:05:26.631381	8	21FEB2008 00:05:26.631381	27
13	21FEB2008 00:05:27.756380	8	21FEB2008 00:05:27.756380	27
14	21FEB2008 00:05:28.756374	8	21FEB2008 00:05:28.756374	27
15	21FEB2008 00:05:29.756409	8	21FEB2008 00:05:29.756409	27
16	21FEB2008 00:05:30.756404	8	21FEB2008 00:05:30.756404	27
17	21FEB2008 00:05:31.631394	8	21FEB2008 00:05:31.631394	27
18	21FEB2008 00:05:31.756398	8	21FEB2008 00:05:31.756398	27
19	21FEB2008 00:05:32.756393	8	21FEB2008 00:05:32.756393	27

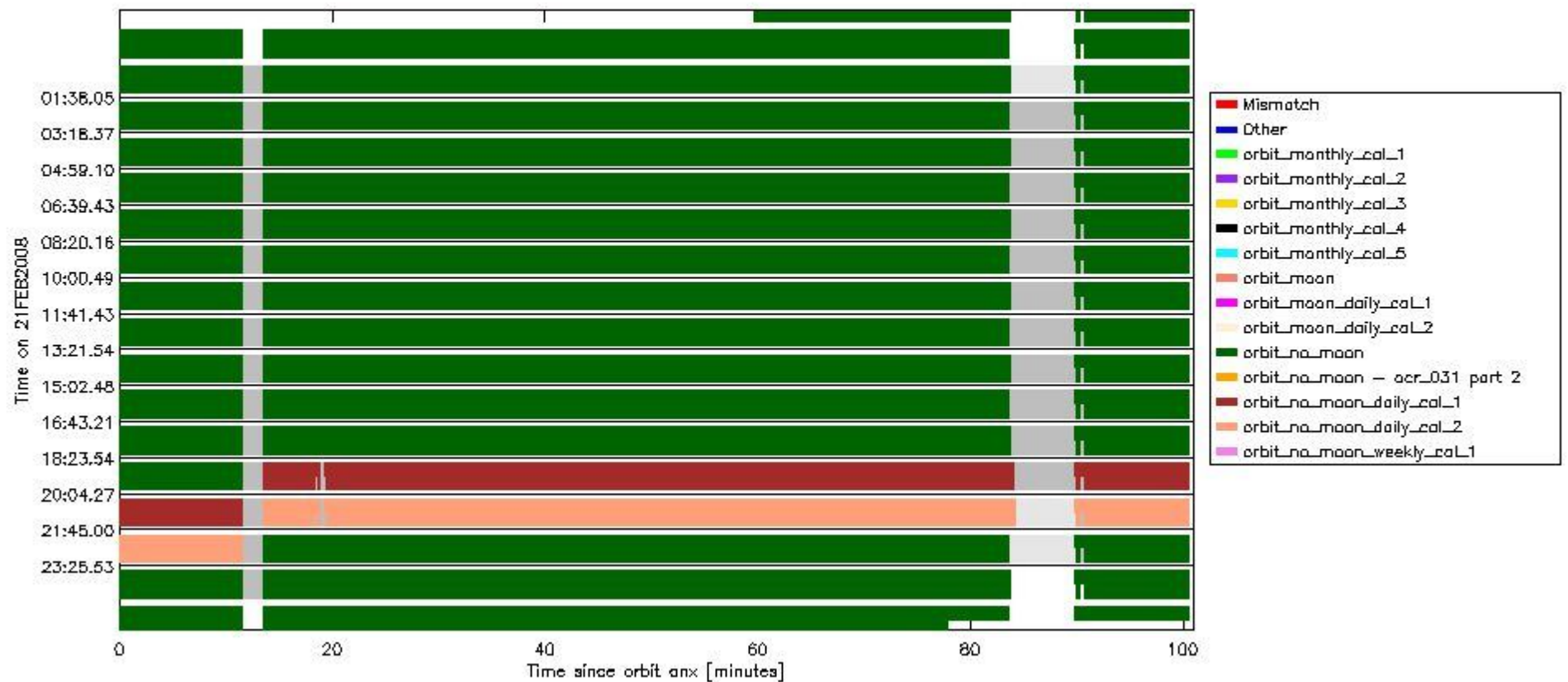


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080221_5.PNG

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 21FEB2008.
 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_20080221_6.PNG

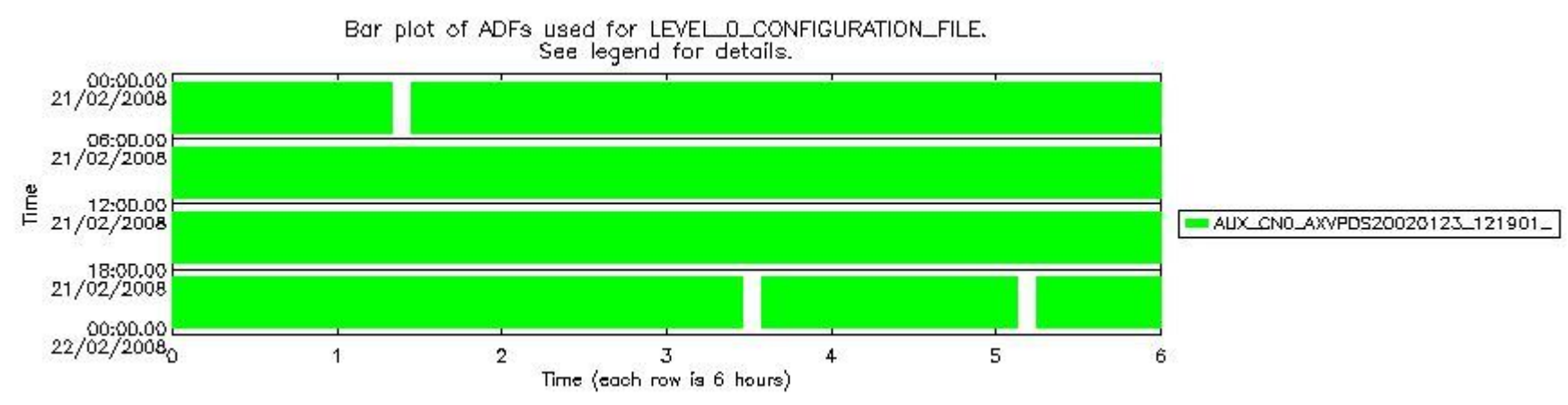
0.4 ADF monitoring

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

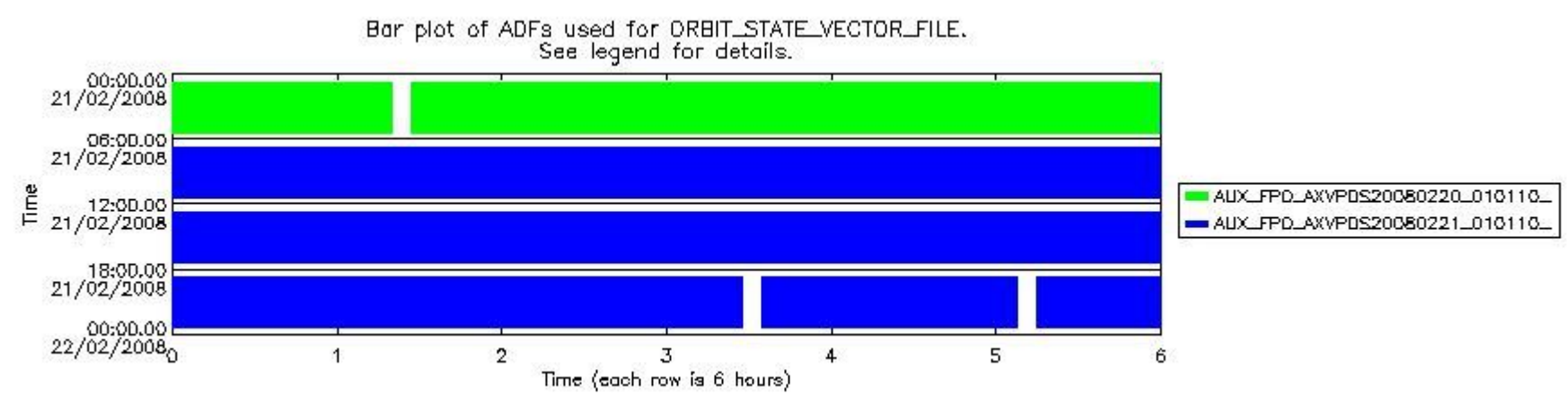
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20080220_010110_20080219_192709_20080229_205324
2	AUX_FPO_AXVPDS20080221_010110_20080220_185532_20080301_202147



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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080221_8.PNG

