

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	17MAR2008 21:05:22
Data source version	KSPT_L0/4303-N
Processing scope for products	10MAR2008 00:00:00 to 11MAR2008 00:00:00
Start time of first product within scope	09MAR2008 23:12:34
Stop time of last product within scope	11MAR2008 00:27:51
Total number of level 0 products	15
Number of level 0 products with errors	4

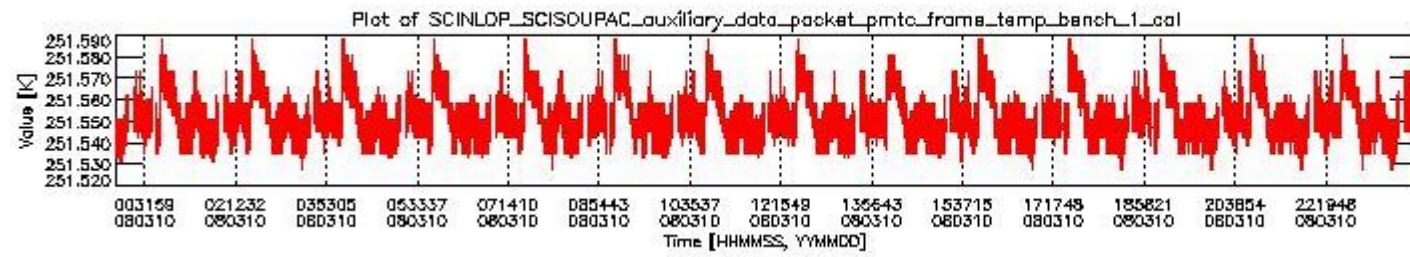
0.1.2 Summary per product

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

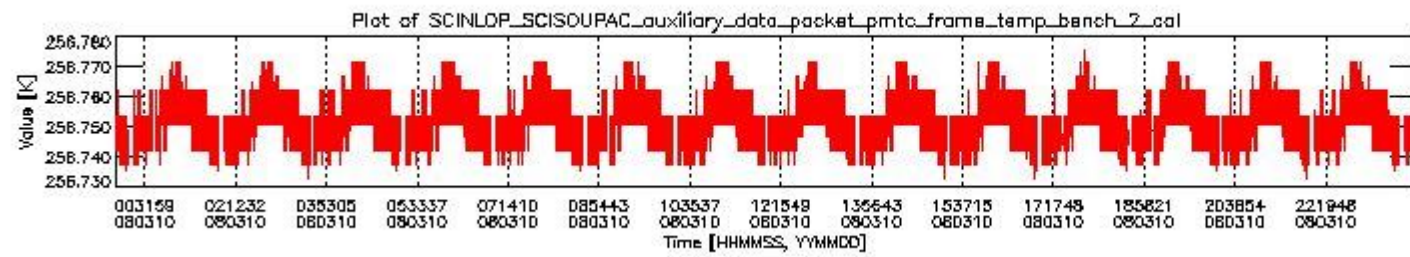
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080309_231234_000064212066_00388_31504_6236.N1	09MAR2008 23:12:34	10MAR2008 00:59:35	1	0	1	0	0
1	SCI_NL__OPNPDE20080310_005322_000064652066_00389_31505_6237.N1	10MAR2008 00:53:22	10MAR2008 02:41:06	1	0	1	0	0
2	SCI_NL__OPNPDE20080310_023549_000062972066_00390_31506_6238.N1	10MAR2008 02:35:49	10MAR2008 04:20:46	0	0	0	0	0
3	SCI_NL__OPNPDE20080310_041937_000064092066_00391_31507_6239.N1	10MAR2008 04:19:37	10MAR2008 06:06:26	1	0	1	0	0
4	SCI_NL__OPNPDK20080310_060109_000062282066_00392_31508_7606.N1	10MAR2008 06:01:09	10MAR2008 07:44:57	0	0	0	0	0
5	SCI_NL__OPNPDK20080310_074457_000059112066_00393_31509_7607.N1	10MAR2008 07:44:57	10MAR2008 09:23:28	0	0	0	0	0
6	SCI_NL__OPNPDK20080310_092328_000060352066_00394_31510_7608.N1	10MAR2008 09:23:28	10MAR2008 11:04:04	0	0	0	0	0
7	SCI_NL__OPNPDK20080310_110308_000058982066_00395_31511_7609.N1	10MAR2008 11:03:08	10MAR2008 12:41:26	0	0	0	0	0
8	SCI_NL__OPNPDK20080310_124030_000060352066_00396_31512_7610.N1	10MAR2008 12:40:30	10MAR2008 14:21:06	0	0	0	0	0
9	SCI_NL__OPNPDK20080310_142010_000059672066_00397_31513_7611.N1	10MAR2008 14:20:10	10MAR2008 15:59:37	0	0	0	0	0
10	SCI_NL__OPNPDK20080310_155828_000058942066_00398_31514_7612.N1	10MAR2008 15:58:28	10MAR2008 17:36:42	0	0	0	0	0
11	SCI_NL__OPNPDK20080310_173546_000059552066_00399_31515_7613.N1	10MAR2008 17:35:46	10MAR2008 19:15:01	0	0	0	0	0
12	SCI_NL__OPNPDK20080310_191338_000060352066_00400_31516_7614.N1	10MAR2008 19:13:38	10MAR2008 20:54:13	0	0	0	0	0
13	SCI_NL__OPNPDK20080310_205413_000063412066_00401_31517_7615.N1	10MAR2008 20:54:13	10MAR2008 22:39:54	0	0	0	0	0
14	SCI_NL__OPNPDE20080310_223858_000065332066_00402_31518_6240.N1	10MAR2008 22:38:58	11MAR2008 00:27:51	1	0	1	0	0

0.2 Product Quality Indicators

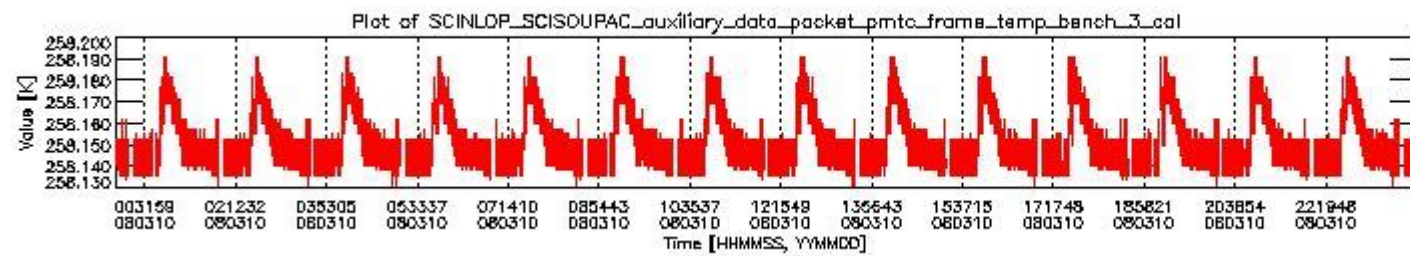
This section shows information about product quality, currently temperatures.



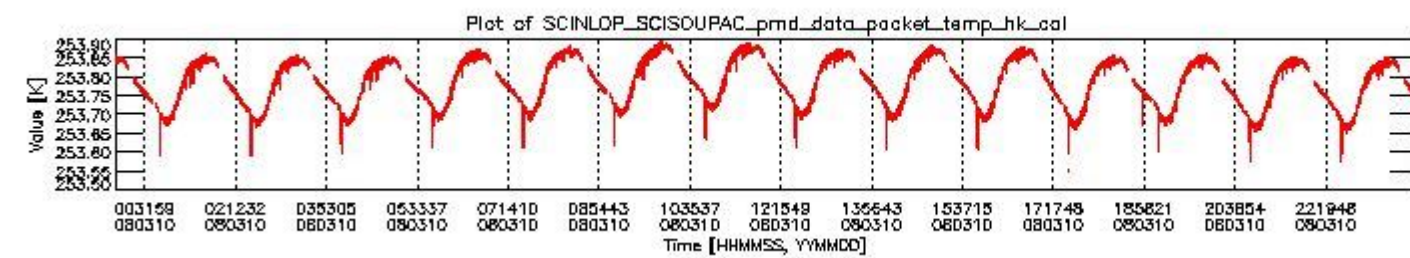
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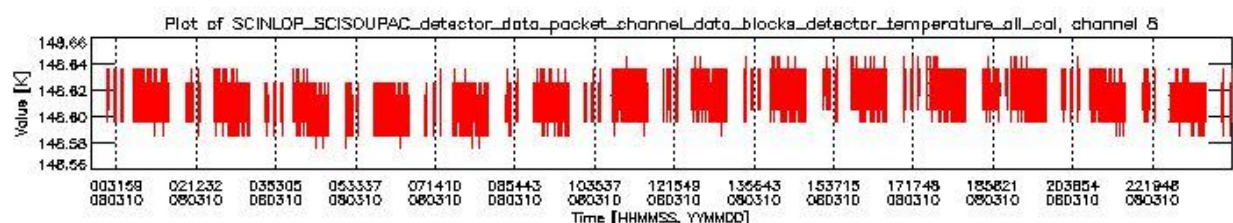
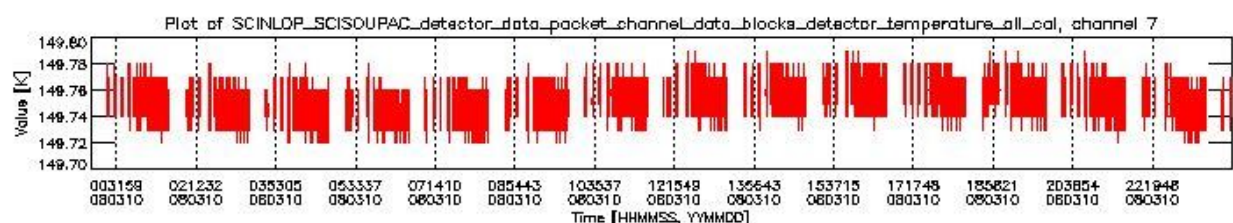
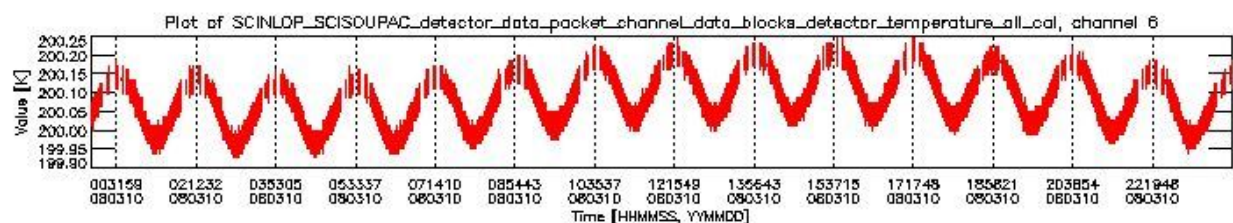
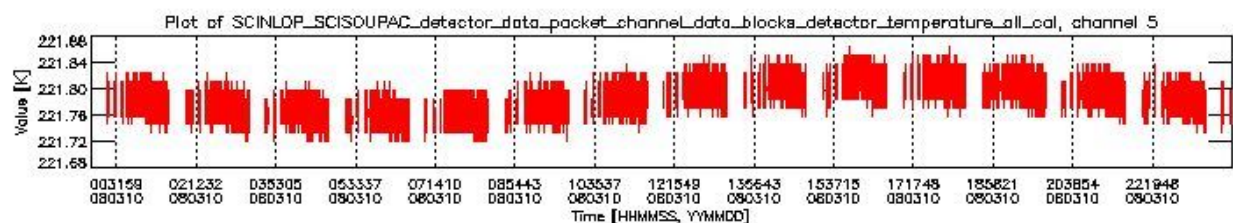
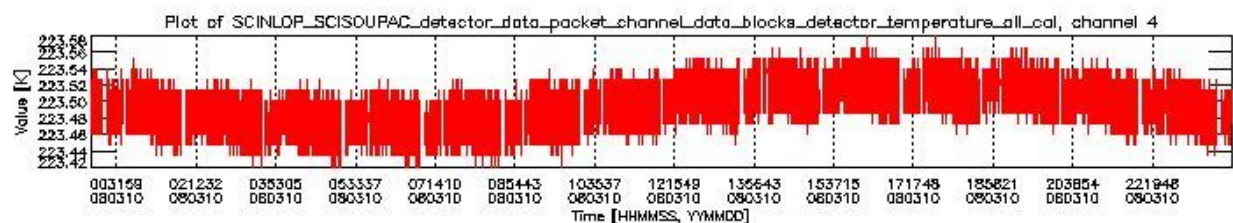
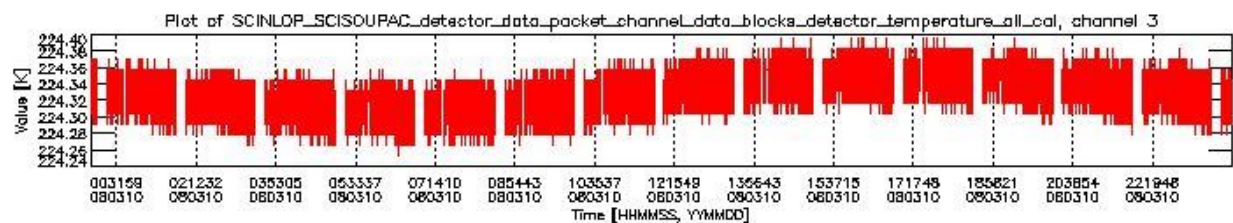
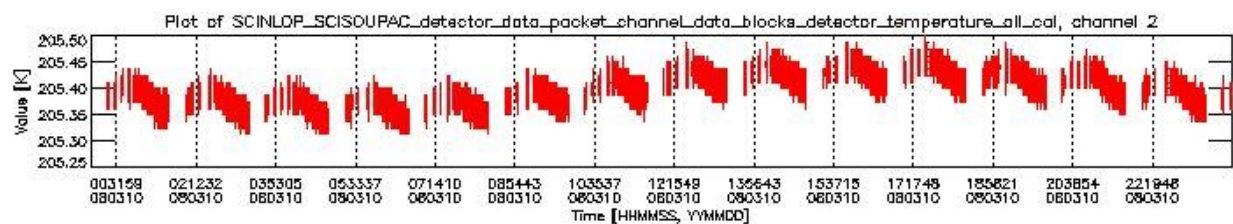
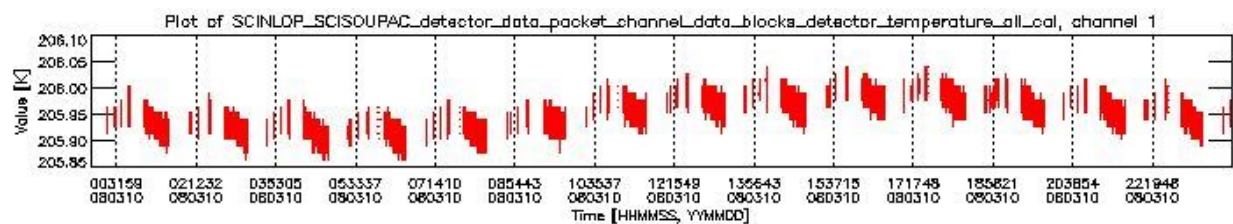
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080310_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080310_3.PNG

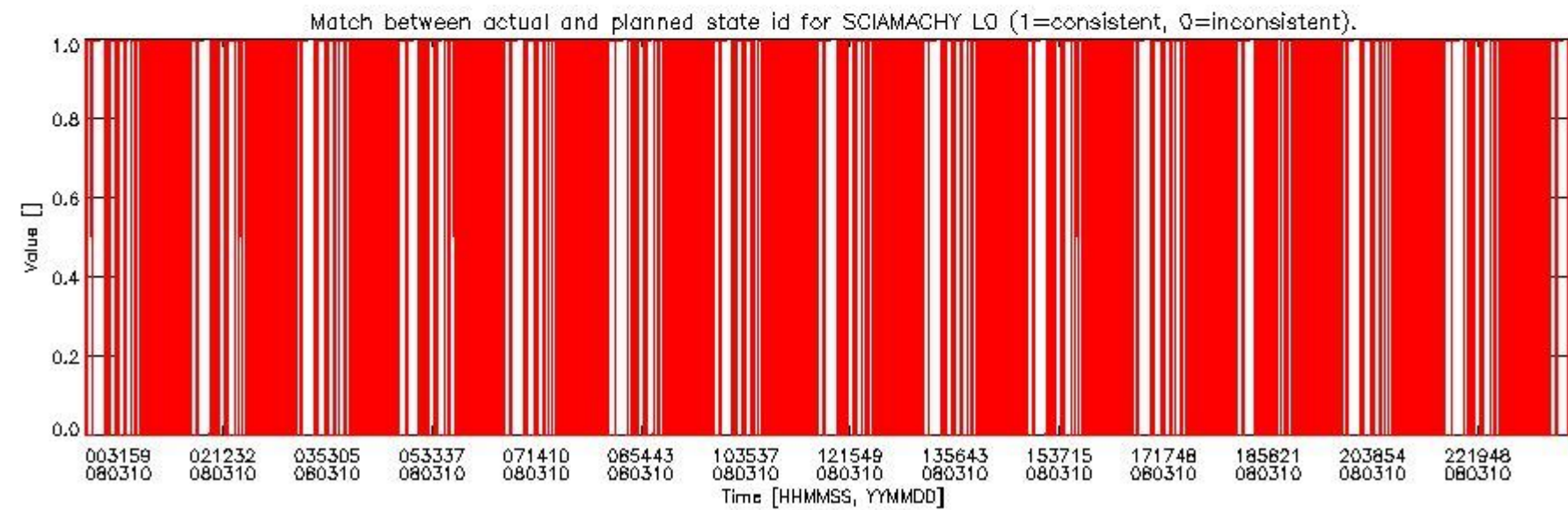
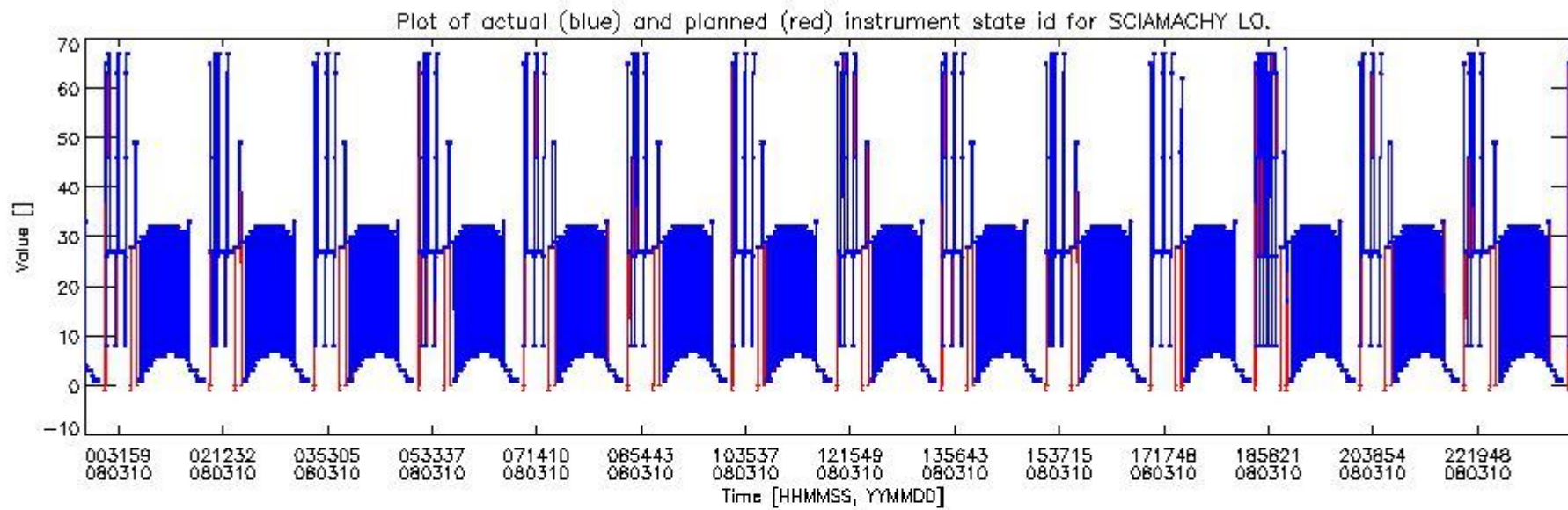


0.3 State monitoring

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: **34146**

#	Actual time	Actual value	Planned time	Planned value
0	10MAR2008 00:00:15.892209	4	10MAR2008 00:00:15.892209	33
1	10MAR2008 00:00:16.142218	4	10MAR2008 00:00:16.142218	33
2	10MAR2008 00:00:16.267222	4	10MAR2008 00:00:16.267222	33
3	10MAR2008 00:00:16.392186	4	10MAR2008 00:00:16.392186	33
4	10MAR2008 00:00:16.517191	4	10MAR2008 00:00:16.517191	33
5	10MAR2008 00:00:16.642195	4	10MAR2008 00:00:16.642195	33
6	10MAR2008 00:00:16.767199	4	10MAR2008 00:00:16.767199	33
7	10MAR2008 00:00:16.892204	4	10MAR2008 00:00:16.892204	33
8	10MAR2008 00:00:17.017208	4	10MAR2008 00:00:17.017208	33
9	10MAR2008 00:00:17.142212	4	10MAR2008 00:00:17.142212	33
10	10MAR2008 00:00:17.267217	4	10MAR2008 00:00:17.267217	33
11	10MAR2008 00:00:17.392221	4	10MAR2008 00:00:17.392221	33
12	10MAR2008 00:00:17.517225	4	10MAR2008 00:00:17.517225	33
13	10MAR2008 00:00:17.642190	4	10MAR2008 00:00:17.642190	33
14	10MAR2008 00:00:17.767194	4	10MAR2008 00:00:17.767194	33
15	10MAR2008 00:00:17.892198	4	10MAR2008 00:00:17.892198	33
16	10MAR2008 00:00:18.017203	4	10MAR2008 00:00:18.017203	33
17	10MAR2008 00:00:18.142207	4	10MAR2008 00:00:18.142207	33
18	10MAR2008 00:00:18.267211	4	10MAR2008 00:00:18.267211	33
19	10MAR2008 00:00:18.392216	4	10MAR2008 00:00:18.392216	33
...

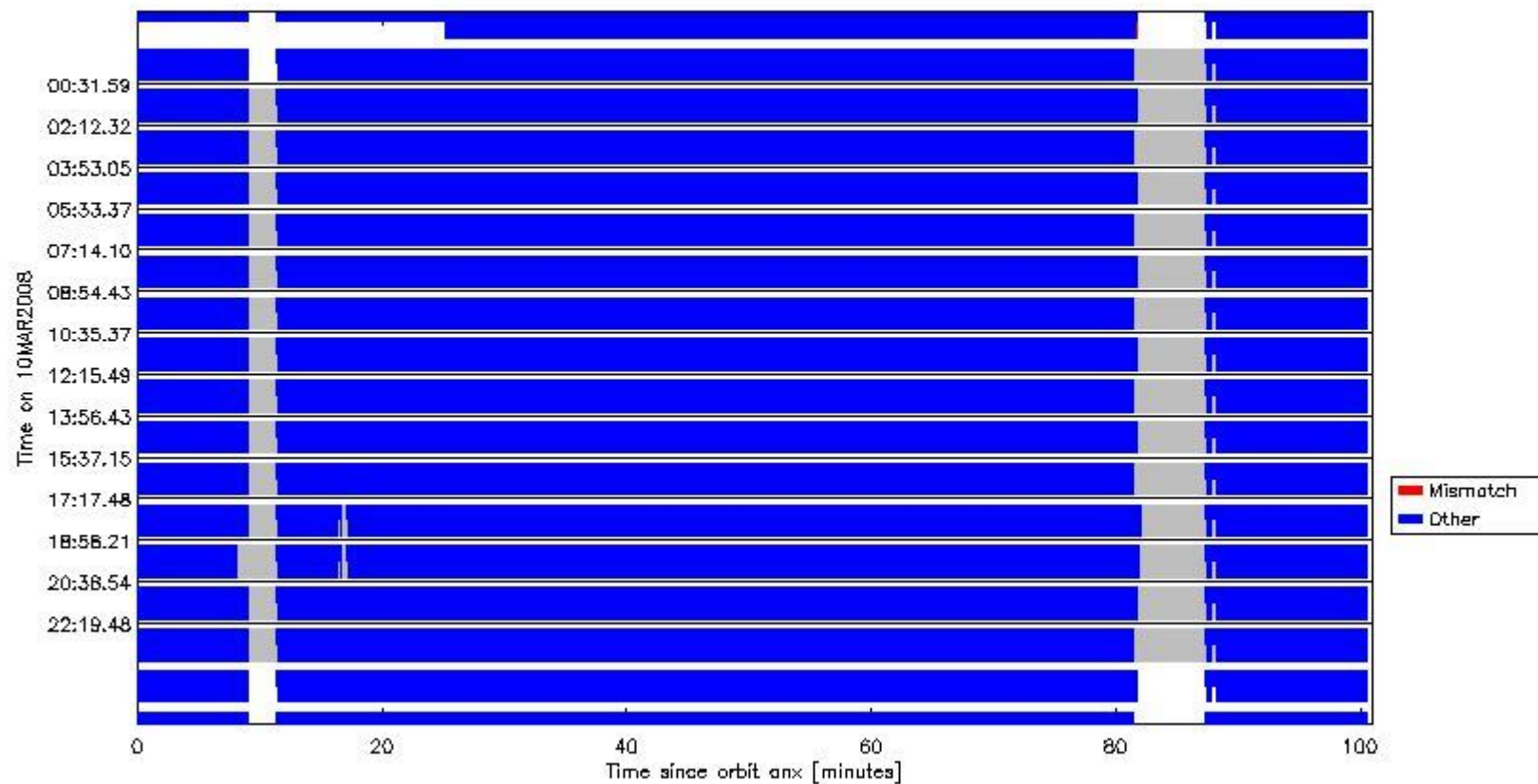


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080310_5.PNG

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 10MAR2008.
 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_20080310_6.PNG

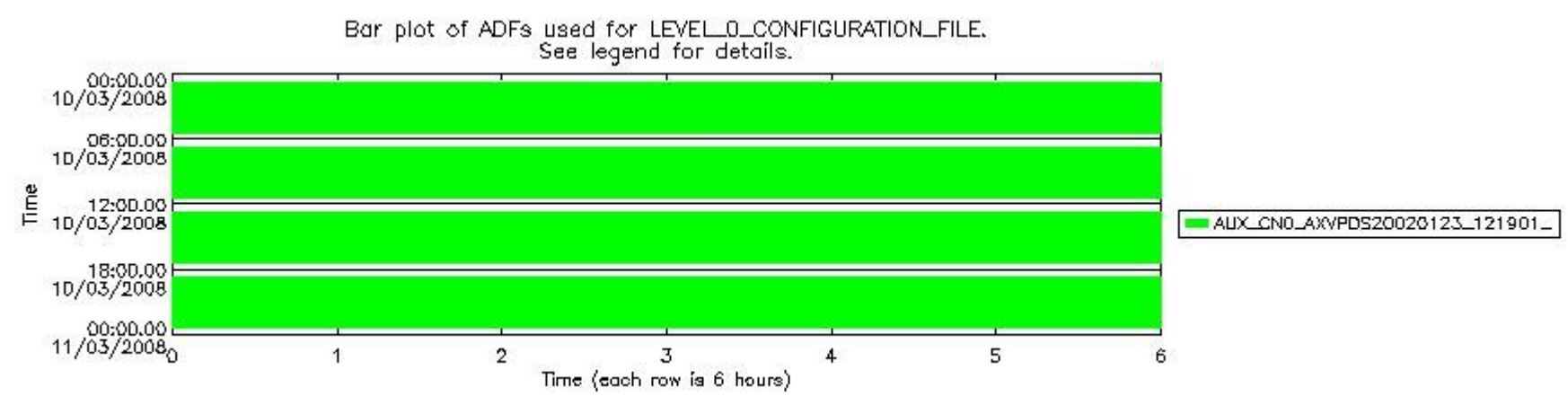
0.4 ADF monitoring

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

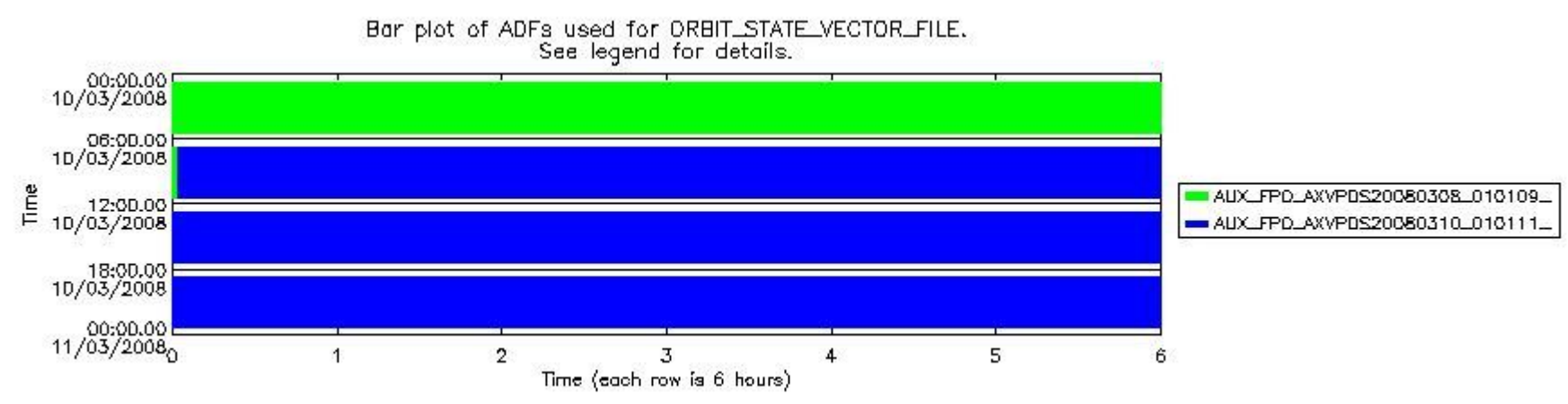
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20080308_010109_20080307_185241_20080317_201855
2	AUX_FPO_AXVPDS20080310_010111_20080309_193003_20080319_205617



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080310_7.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080310_8.PNG

