

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	18FEB2008 05:30:13
Data source version	KSPT_L0/4303-N
Processing scope for products	14FEB2008 00:00:00 to 15FEB2008 00:00:00
Start time of first product within scope	13FEB2008 22:27:08
Stop time of last product within scope	15FEB2008 01:11:54
Total number of level 0 products	17
Number of level 0 products with errors	0

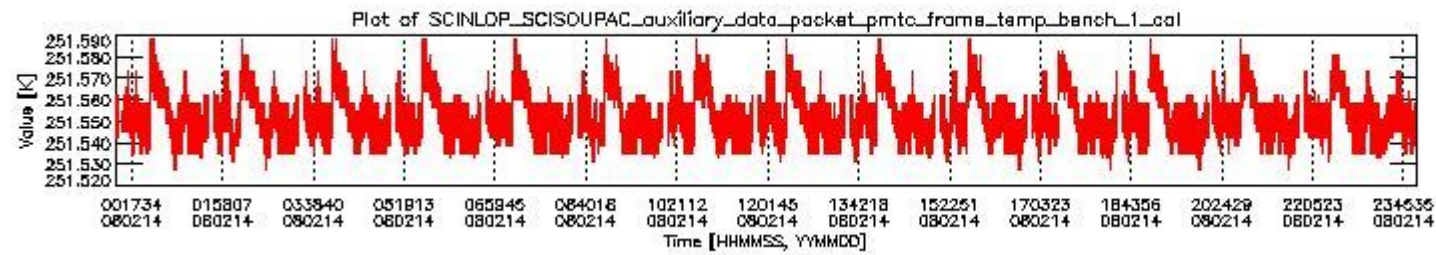
0.1.2 Summary per product

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

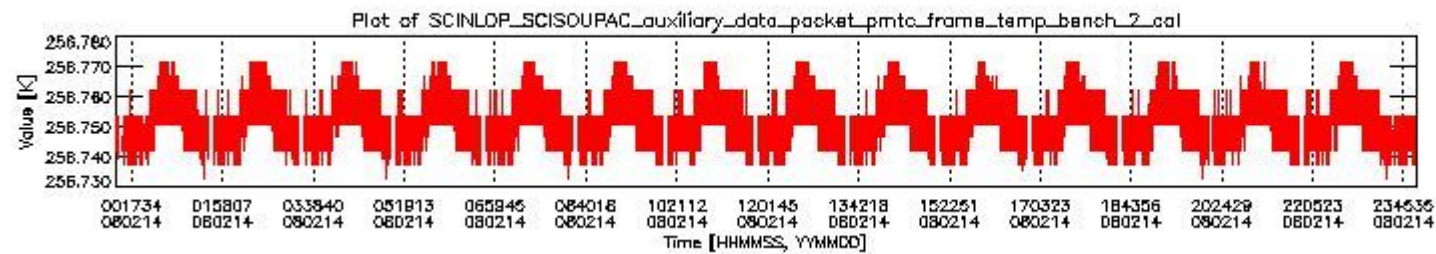
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080213_222708_000055932066_00029_31145_6131.N1	13FEB2008 22:27:08	14FEB2008 00:00:21	0	0	0	0	0
1	SCI_NL__OPNPDE20080214_000743_000055812066_00030_31146_6132.N1	14FEB2008 00:07:43	14FEB2008 01:40:44	0	0	0	0	0
2	SCI_NL__OPNPDE20080214_014818_000041612066_00031_31147_6133.N1	14FEB2008 01:48:18	14FEB2008 02:57:39	0	0	0	0	0
3	SCI_NL__OPNPDE20080214_025631_000062162066_00032_31148_6134.N1	14FEB2008 02:56:31	14FEB2008 04:40:07	0	0	0	0	0
4	SCI_NL__OPNPDE20080214_043911_000060362066_00033_31149_6135.N1	14FEB2008 04:39:11	14FEB2008 06:19:46	0	0	0	0	0
5	SCI_NL__OPNPDK20080214_061850_000041002066_00034_31150_7387.N1	14FEB2008 06:18:50	14FEB2008 07:27:11	0	0	0	0	0
6	SCI_NL__OPNPDK20080214_072602_000062282066_00035_31151_7388.N1	14FEB2008 07:26:02	14FEB2008 09:09:51	0	0	0	0	0
7	SCI_NL__OPNPDK20080214_090855_000060232066_00036_31152_7389.N1	14FEB2008 09:08:55	14FEB2008 10:49:17	0	0	0	0	0
8	SCI_NL__OPNPDK20080214_104713_000061042066_00037_31153_7390.N1	14FEB2008 10:47:13	14FEB2008 12:28:57	0	0	0	0	0
9	SCI_NL__OPNPDK20080214_122653_000059672066_00038_31154_7391.N1	14FEB2008 12:26:53	14FEB2008 14:06:19	0	0	0	0	0
10	SCI_NL__OPNPDK20080214_140524_000060362066_00039_31155_7392.N1	14FEB2008 14:05:24	14FEB2008 15:46:00	0	0	0	0	0
11	SCI_NL__OPNPDK20080214_154408_000058422066_00040_31156_7393.N1	14FEB2008 15:44:08	14FEB2008 17:21:30	0	0	0	0	0
12	SCI_NL__OPNPDK20080214_172130_000060362066_00041_31157_7394.N1	14FEB2008 17:21:30	14FEB2008 19:02:05	0	0	0	0	0
13	SCI_NL__OPNPDK20080214_190108_000059802066_00042_31158_7395.N1	14FEB2008 19:01:08	14FEB2008 20:40:48	0	0	0	0	0
14	SCI_NL__OPNPDE20080214_203856_000041332066_00043_31159_6136.N1	14FEB2008 20:38:56	14FEB2008 21:47:50	0	0	0	0	0
15	SCI_NL__OPNPDE20080214_215524_000057562066_00043_31159_6137.N1	14FEB2008 21:55:24	14FEB2008 23:31:20	0	0	0	0	0
16	SCI_NL__OPNPDE20080214_233600_000057552066_00044_31160_6138.N1	14FEB2008 23:36:00	15FEB2008 01:11:54	0	0	0	0	0

0.2 Product Quality Indicators

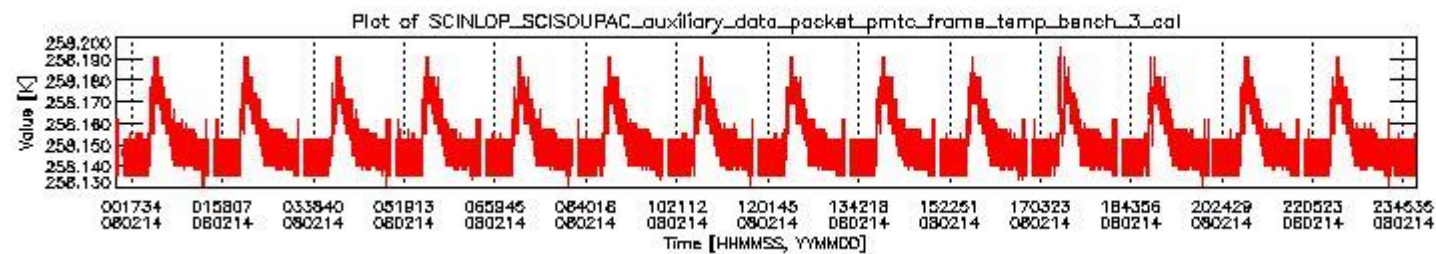
This section shows information about product quality, currently temperatures.



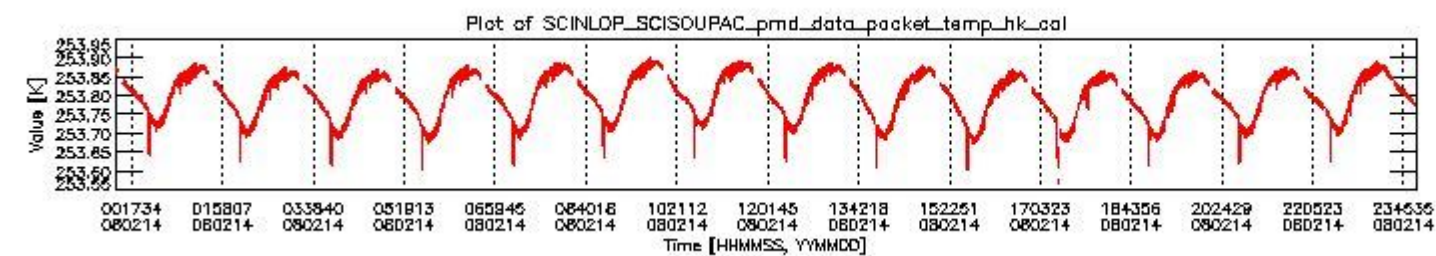
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080214_0.PNG



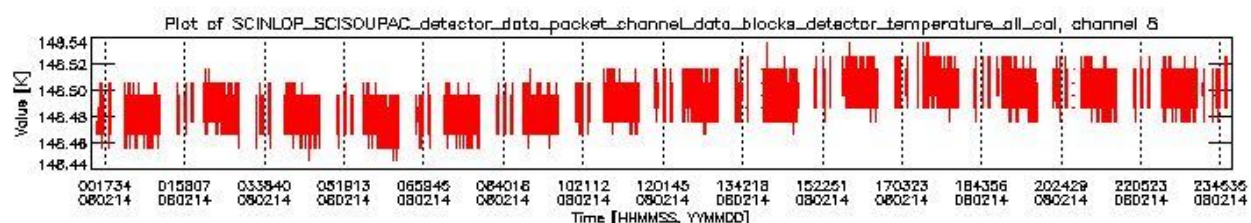
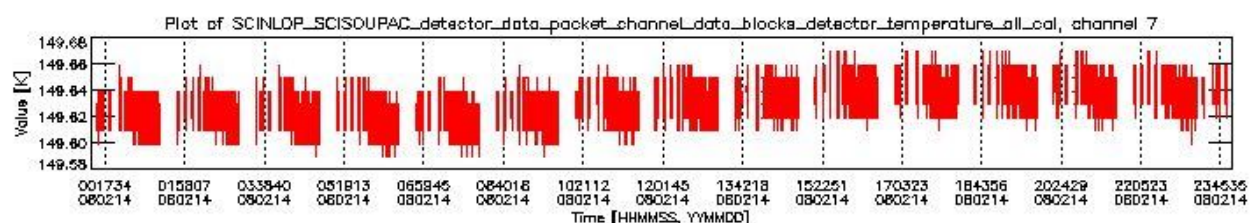
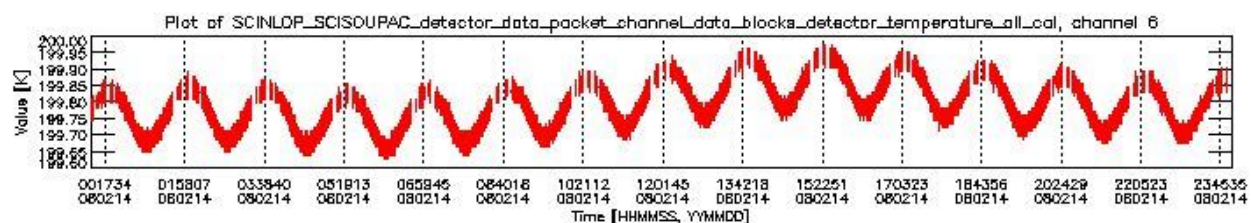
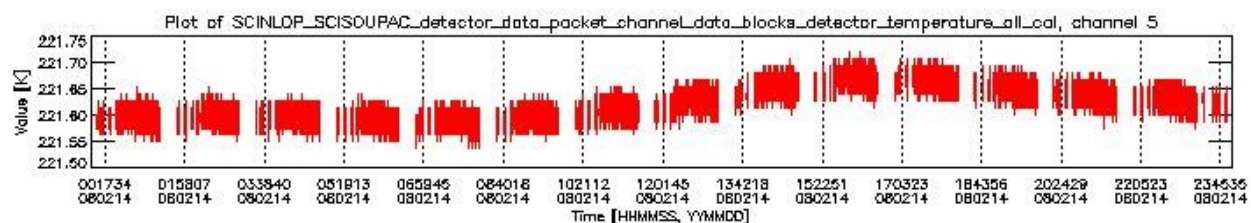
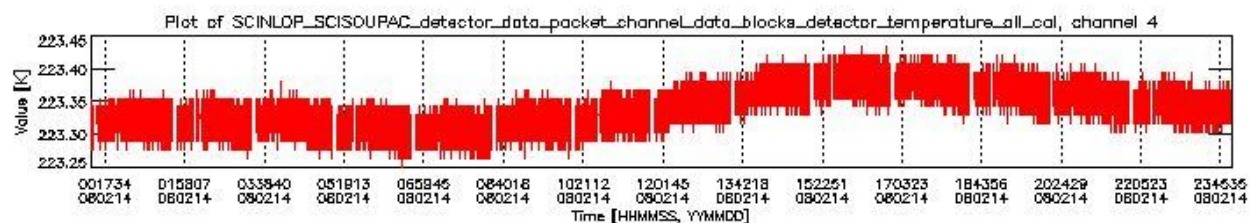
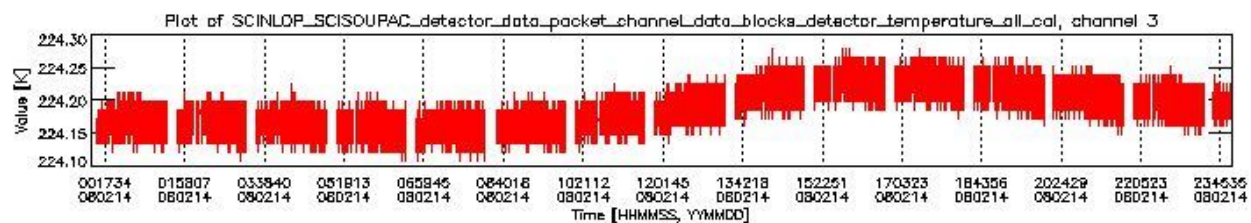
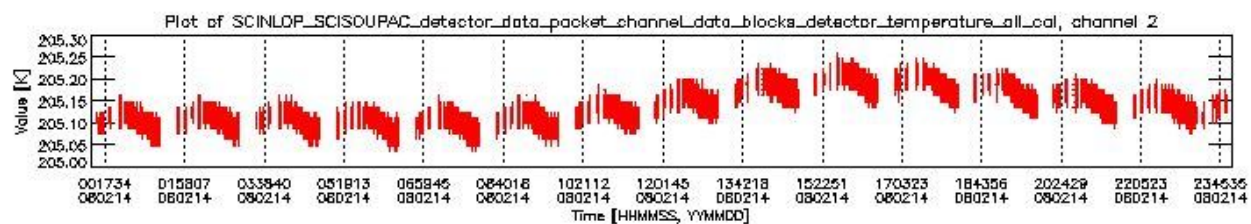
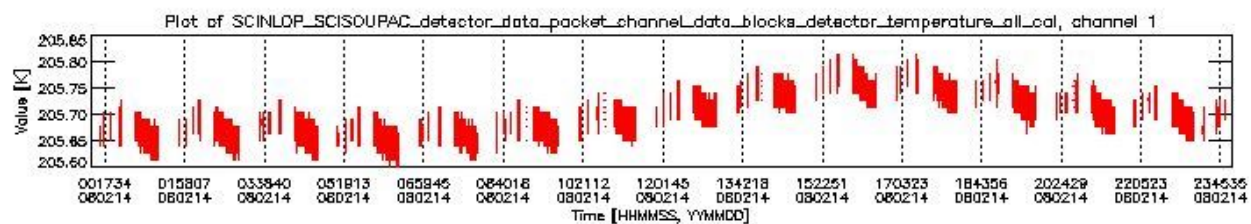
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080214_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080214_3.PNG

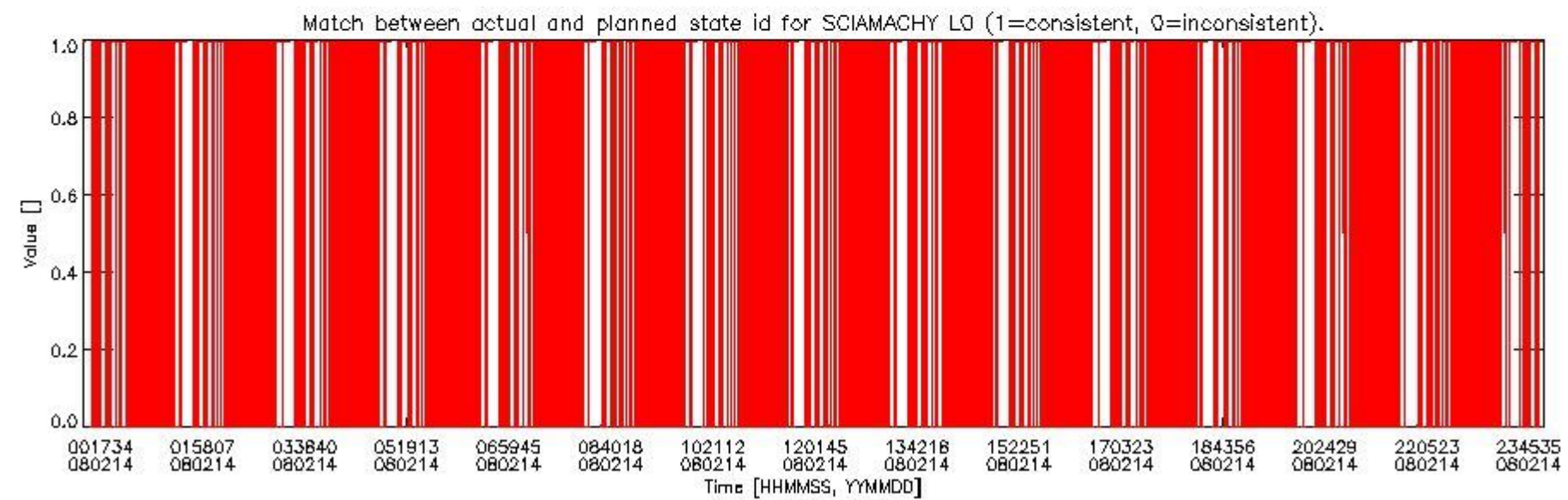
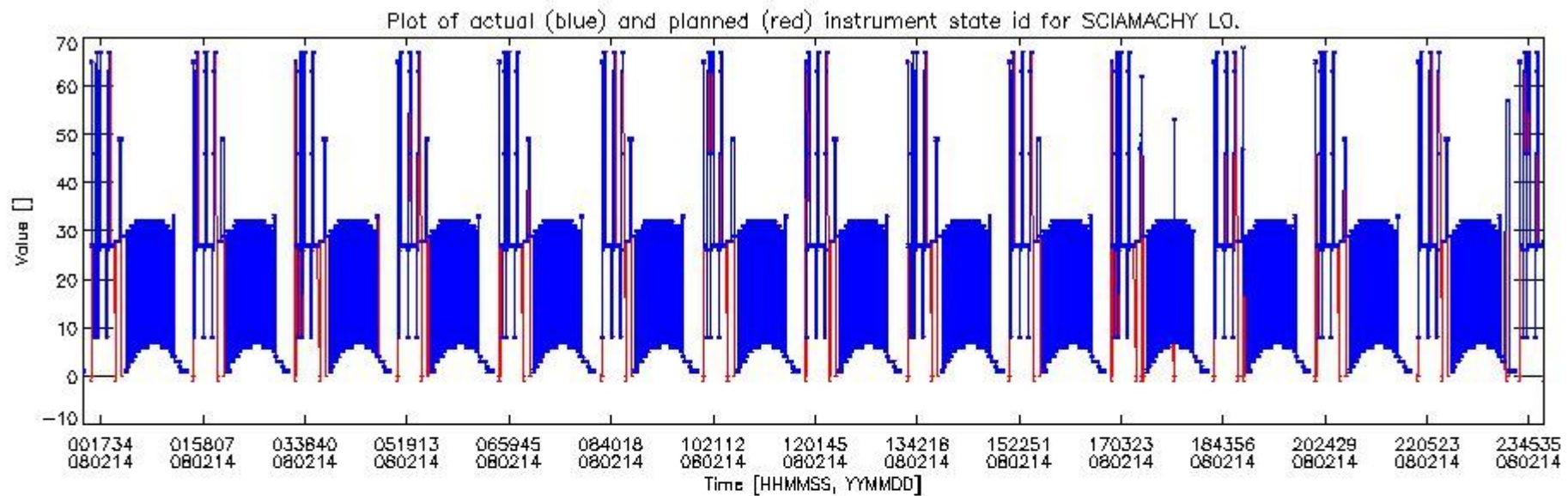


0.3 State monitoring

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: **46295**

#	Actual time	Actual value	Planned time	Planned value
0	14FEB2008 00:07:43.456509	65	14FEB2008 00:07:43.456509	0
1	14FEB2008 00:07:44.081530	65	14FEB2008 00:07:44.081530	0
2	14FEB2008 00:07:44.581507	65	14FEB2008 00:07:44.581507	0
3	14FEB2008 00:07:45.081525	65	14FEB2008 00:07:45.081525	0
4	14FEB2008 00:07:45.581502	65	14FEB2008 00:07:45.581502	0
5	14FEB2008 00:07:46.081519	65	14FEB2008 00:07:46.081519	0
6	14FEB2008 00:07:46.581537	65	14FEB2008 00:07:46.581537	0
7	14FEB2008 00:07:47.081514	65	14FEB2008 00:07:47.081514	0
8	14FEB2008 00:07:47.581531	65	14FEB2008 00:07:47.581531	0
9	14FEB2008 00:07:48.081509	65	14FEB2008 00:07:48.081509	0
10	14FEB2008 00:07:48.456522	65	14FEB2008 00:07:48.456522	0
11	14FEB2008 00:07:48.581526	65	14FEB2008 00:07:48.581526	0
12	14FEB2008 00:07:49.081503	65	14FEB2008 00:07:49.081503	0
13	14FEB2008 00:07:49.581521	65	14FEB2008 00:07:49.581521	0
14	14FEB2008 00:07:50.081538	65	14FEB2008 00:07:50.081538	0
15	14FEB2008 00:07:50.581515	65	14FEB2008 00:07:50.581515	0
16	14FEB2008 00:07:51.081533	65	14FEB2008 00:07:51.081533	0
17	14FEB2008 00:08:27.214348	27	14FEB2008 00:08:27.214348	0
18	14FEB2008 00:08:28.214343	27	14FEB2008 00:08:28.214343	0
19	14FEB2008 00:08:29.151855	27	14FEB2008 00:08:29.151855	0

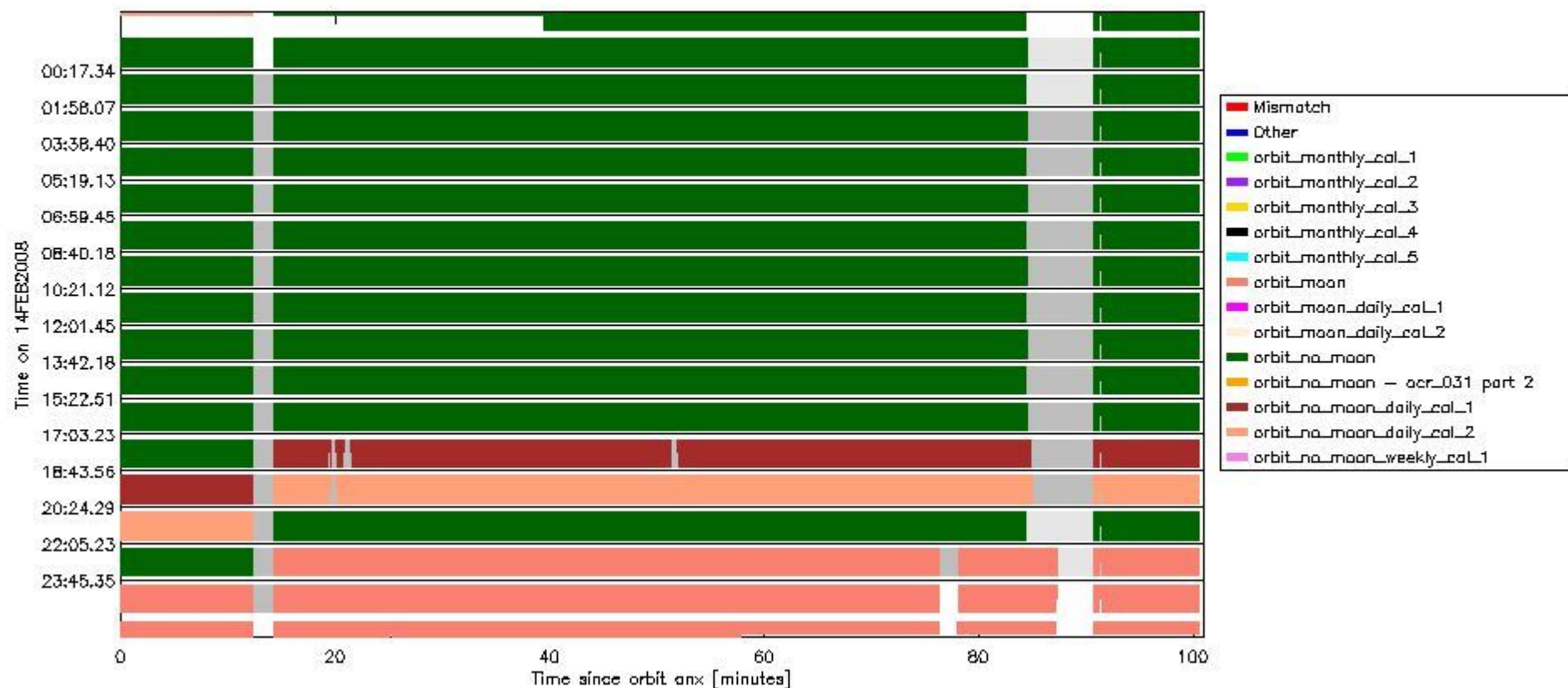


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080214_5.PNG

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 14FEB2008.
 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_20080214_6.PNG

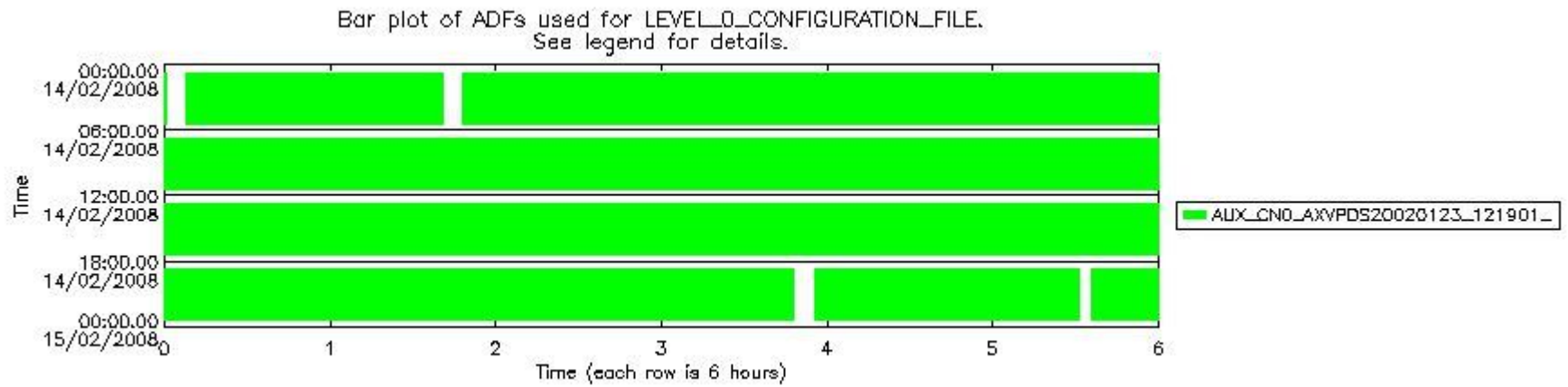
0.4 ADF monitoring

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

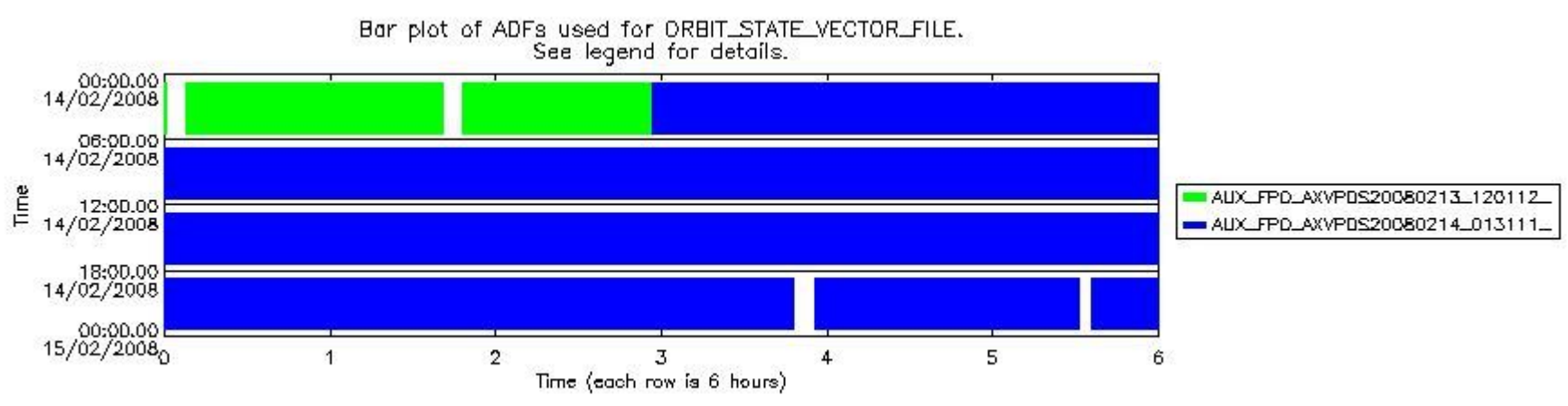
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20080213_120112_20080212_194716_20080222_211330
2	AUX_FPO_AXVPDS20080214_013111_20080213_191539_20080223_204153



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080214_7.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080214_8.PNG

