

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	v1.4 20100407
Time of report generation	22DEC2010 15:27:13
Data source version	KSPT_L0/4504-N
Processing scope for products	01DEC2010 00:00:00 to 02DEC2010 00:00:00
Start time of first product within scope	01DEC2010 00:19:23
Stop time of last product within scope	02DEC2010 01:22:19
Total number of Level 0 products	16
Number of Level 0 products with errors	1

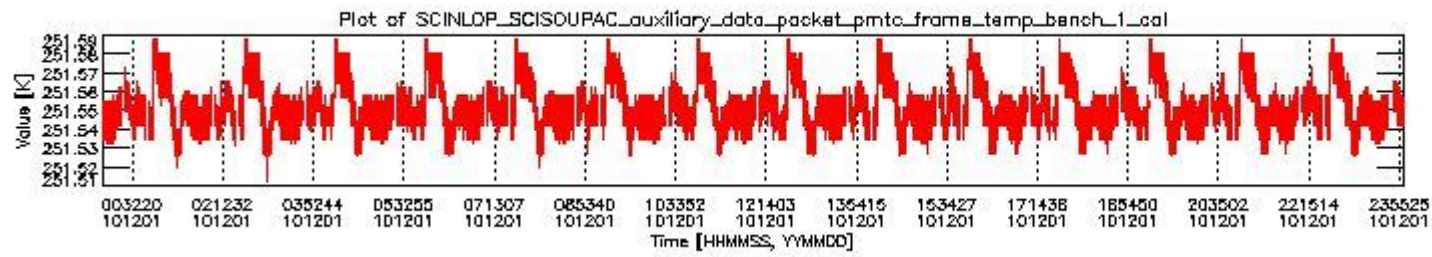
0.1.2 Summary per product

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

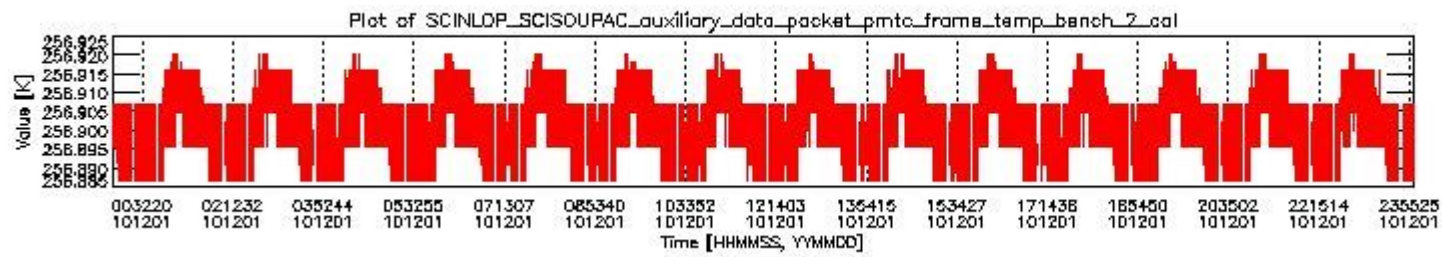
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20101201_001923_000058403097_00059_45763_2042.N1	01DEC2010 00:19:23	01DEC2010 01:56:43	0	0	0	0	0
1	SCI_NL__OPNPDE20101201_015534_000045523097_00060_45764_2043.N1	01DEC2010 01:55:34	01DEC2010 03:11:26	0	0	0	0	0
2	SCI_NL__OPNPDE20101201_031017_000062633097_00061_45765_2044.N1	01DEC2010 03:10:17	01DEC2010 04:54:40	0	0	0	0	0
3	SCI_NL__OPNPDE20101201_045332_000060273097_00062_45766_2045.N1	01DEC2010 04:53:32	01DEC2010 06:33:58	0	0	0	0	0
4	SCI_NL__OPNPDK20101201_063250_000040793097_00063_45767_3106.N1	01DEC2010 06:32:50	01DEC2010 07:40:49	0	0	0	0	0
5	SCI_NL__OPNPDK20101201_073857_000061943097_00064_45768_3107.N1	01DEC2010 07:38:57	01DEC2010 09:22:12	0	0	0	0	0
6	SCI_NL__OPNPDK20101201_092116_000058903097_00065_45769_3108.N1	01DEC2010 09:21:16	01DEC2010 10:59:26	0	0	0	0	0
7	SCI_NL__OPNPDK20101201_105734_000061823097_00066_45770_3109.N1	01DEC2010 10:57:34	01DEC2010 12:40:36	0	0	0	0	0
8	SCI_NL__OPNPDK20101201_123940_000059023097_00067_45771_3110.N1	01DEC2010 12:39:40	01DEC2010 14:18:02	0	0	0	0	0
9	SCI_NL__OPNPDK20101201_141544_000060143097_00068_45772_3111.N1	01DEC2010 14:15:44	01DEC2010 15:55:59	0	0	0	0	0
10	SCI_NL__OPNPDK20101201_155559_000057903097_00069_45773_3112.N1	01DEC2010 15:55:59	01DEC2010 17:32:29	0	0	0	0	0
11	SCI_NL__OPNPDK20101201_173229_000057303097_00070_45774_3113.N1	01DEC2010 17:32:29	01DEC2010 19:07:58	0	0	0	0	0
12	SCI_NL__OPNPDK20101201_191243_000057693097_00071_45775_3114.N1	01DEC2010 19:12:43	01DEC2010 20:48:52	1	1	0	0	0
13	SCI_NL__OPNPDE20101201_204808_000044233097_00072_45776_2046.N1	01DEC2010 20:48:08	01DEC2010 22:01:50	0	0	0	0	0
14	SCI_NL__OPNPDE20101201_220150_000060273097_00072_45776_2047.N1	01DEC2010 22:01:50	01DEC2010 23:42:17	0	0	0	0	0
15	SCI_NL__OPNPDE20101201_234217_000060013097_00073_45777_2048.N1	01DEC2010 23:42:17	02DEC2010 01:22:19	0	0	0	0	0

0.2 Product Quality Indicators

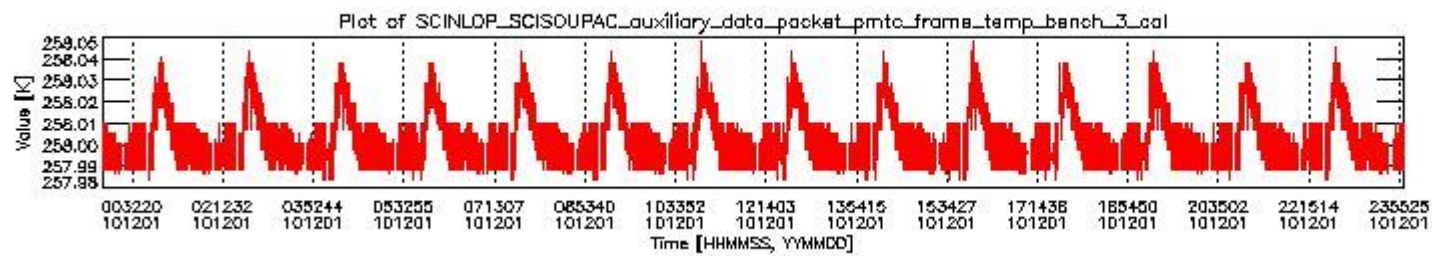
This section shows information about product quality, currently temperatures.



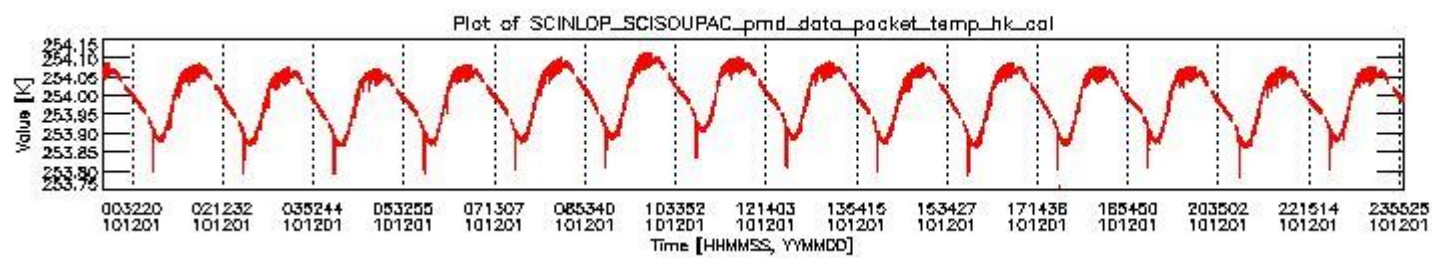
sciamachy_daily_report_level0_KSPT_L0_4504_N_20101201_0.PNG



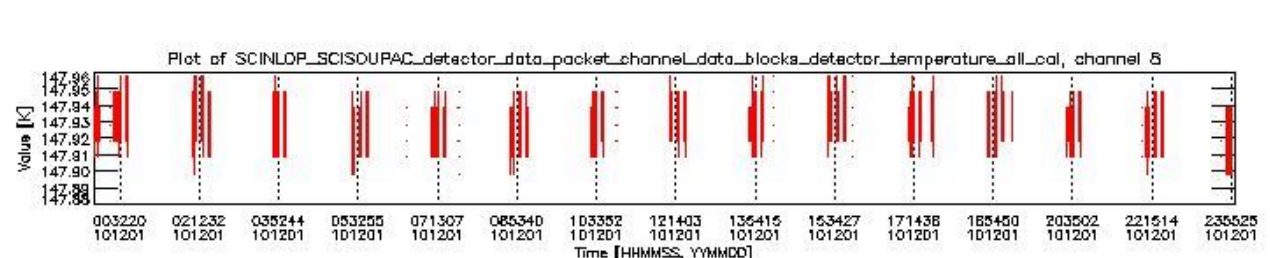
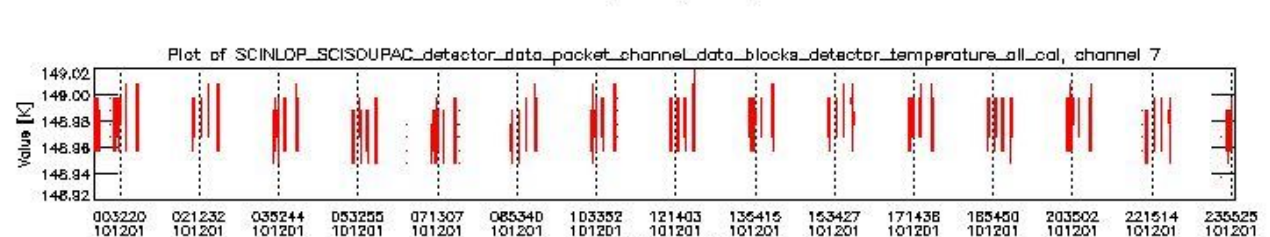
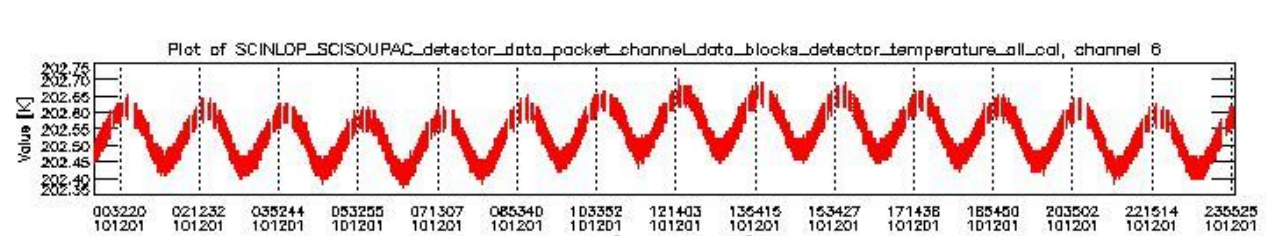
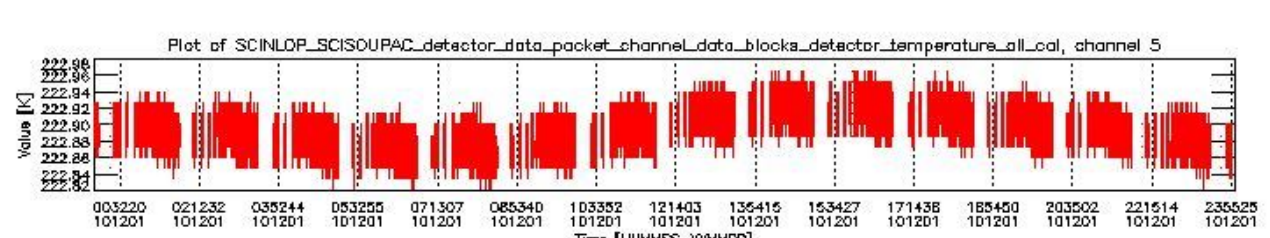
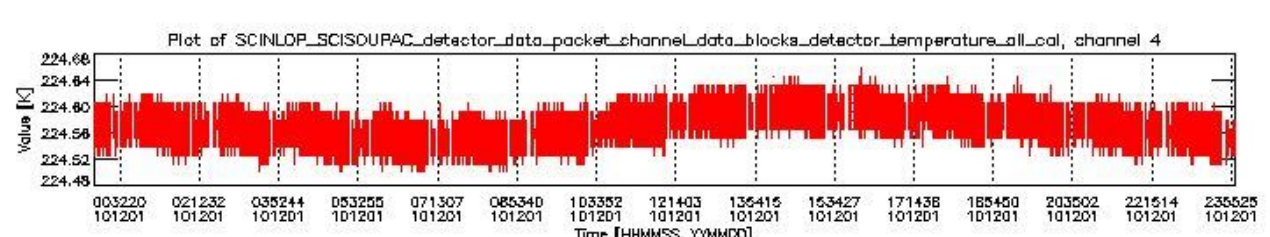
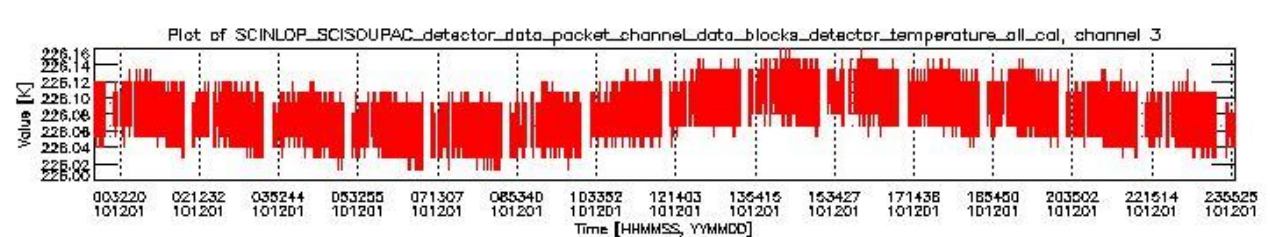
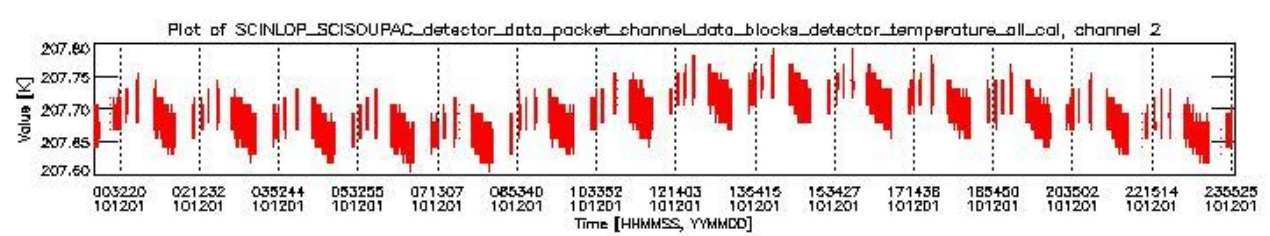
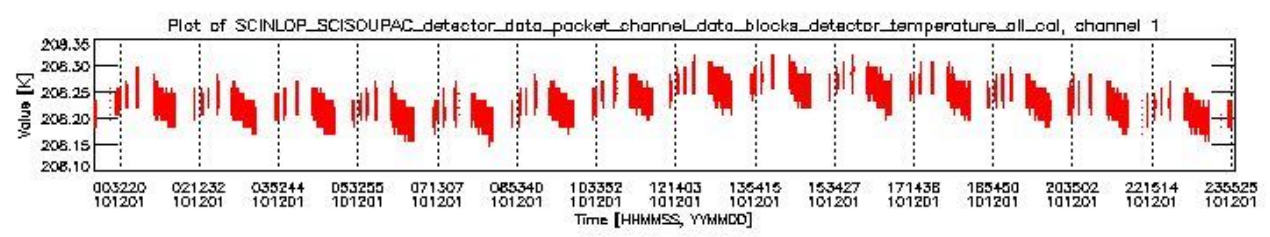
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sciamachy_daily_report_level0_KSPT_L0_4504_N_20101201_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20101201_3.PNG

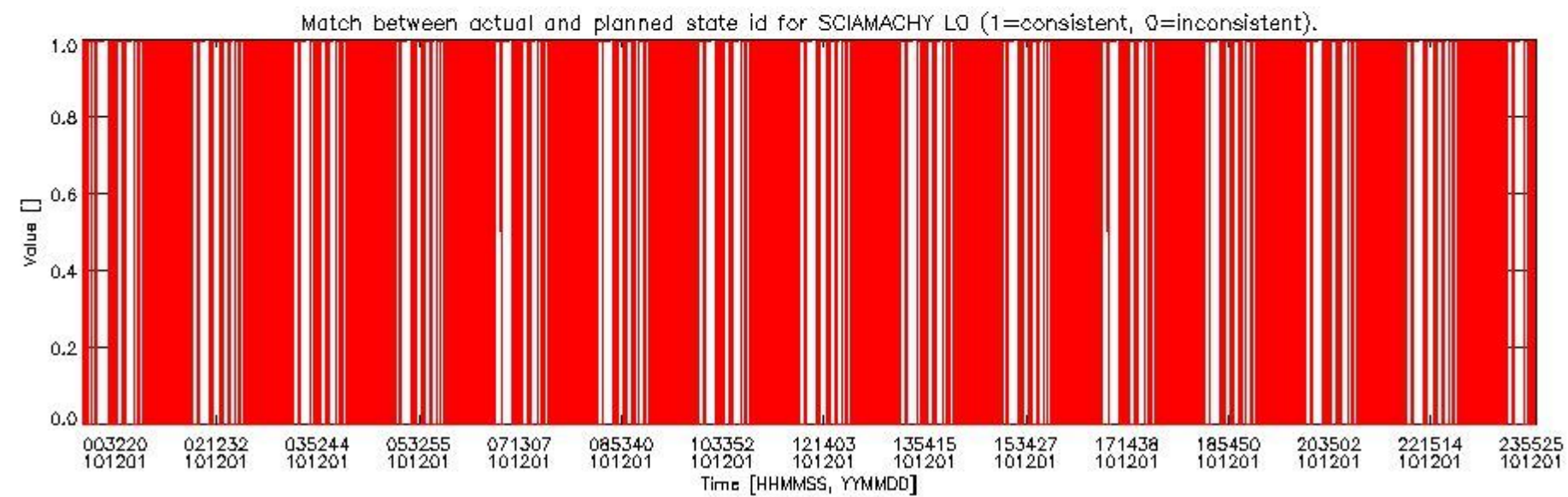
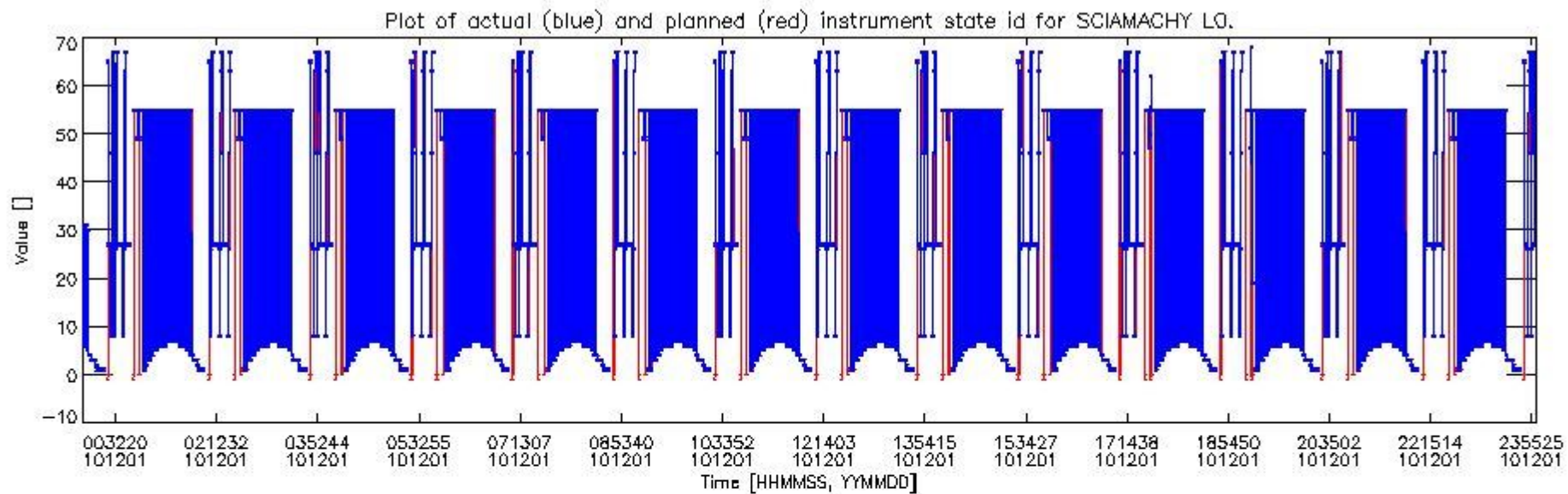


0.3 State monitoring

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: **27520**

#	Actual time	Actual value	Planned time	Planned value
0	01DEC2010 00:00:41.030144	31	01DEC2010 00:00:41.030144	6
1	01DEC2010 00:00:41.655144	31	01DEC2010 00:00:41.655144	6
2	01DEC2010 00:00:42.030144	31	01DEC2010 00:00:42.030144	6
3	01DEC2010 00:00:42.405144	31	01DEC2010 00:00:42.405144	6
4	01DEC2010 00:00:42.967644	31	01DEC2010 00:00:42.967644	6
5	01DEC2010 00:00:43.342644	31	01DEC2010 00:00:43.342644	6
6	01DEC2010 00:00:43.717644	31	01DEC2010 00:00:43.717644	6
7	01DEC2010 00:00:44.092644	31	01DEC2010 00:00:44.092644	6
8	01DEC2010 00:00:44.655144	31	01DEC2010 00:00:44.655144	6
9	01DEC2010 00:00:45.030144	31	01DEC2010 00:00:45.030144	6
10	01DEC2010 00:00:45.405144	31	01DEC2010 00:00:45.405144	6
11	01DEC2010 00:00:45.780144	31	01DEC2010 00:00:45.780144	6
12	01DEC2010 00:00:46.030144	31	01DEC2010 00:00:46.030144	6
13	01DEC2010 00:00:46.342644	31	01DEC2010 00:00:46.342644	6
14	01DEC2010 00:00:46.717644	31	01DEC2010 00:00:46.717644	6
15	01DEC2010 00:00:47.092644	31	01DEC2010 00:00:47.092644	6
16	01DEC2010 00:01:35.209838	6	01DEC2010 00:01:35.209838	31
17	01DEC2010 00:01:35.584838	6	01DEC2010 00:01:35.584838	31
18	01DEC2010 00:01:35.834838	6	01DEC2010 00:01:35.834838	31
19	01DEC2010 00:01:36.084838	6	01DEC2010 00:01:36.084838	31

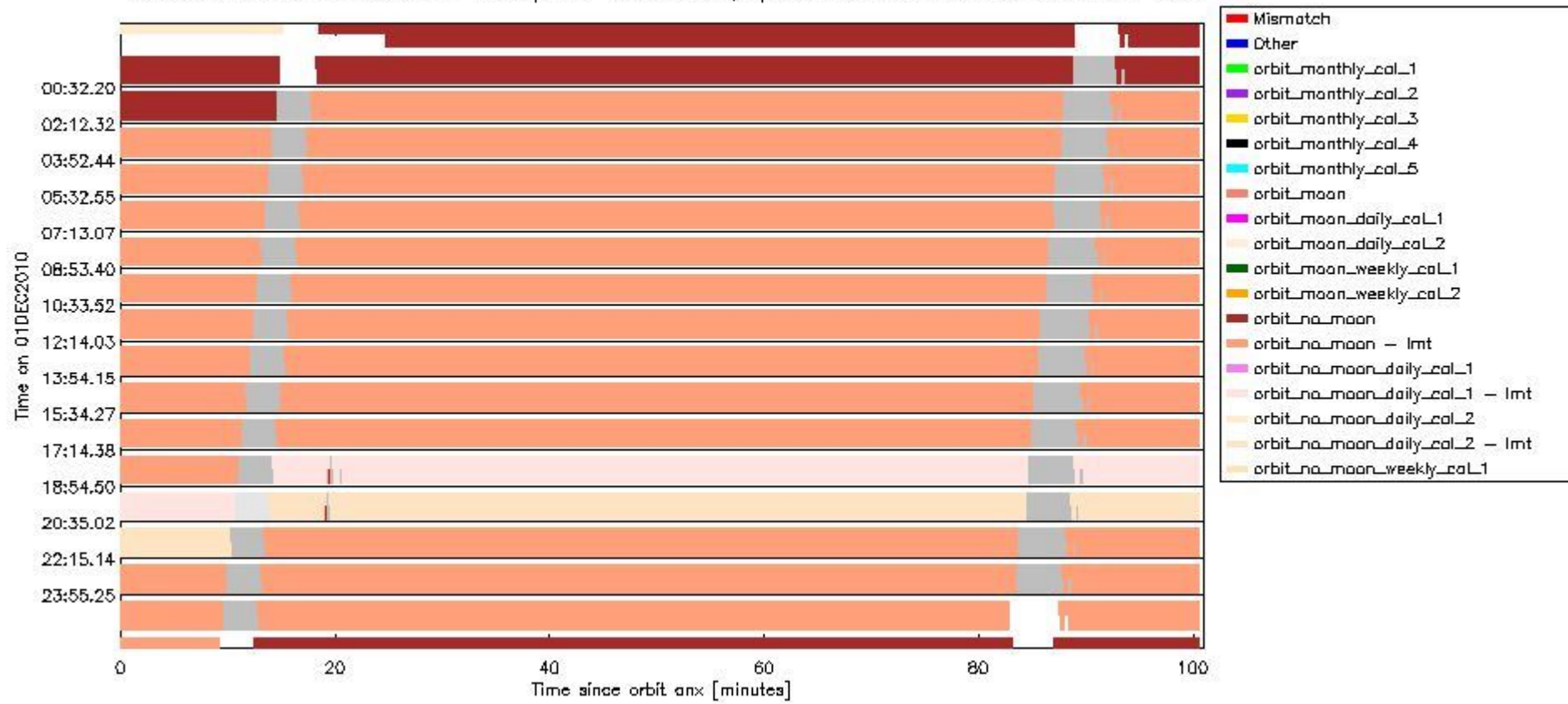


sciamachy_daily_report_level0_KSPT_L0_4504_N_20101201_5.PNG

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 01DEC2010.
 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_4504_N_20101201_6.PNG

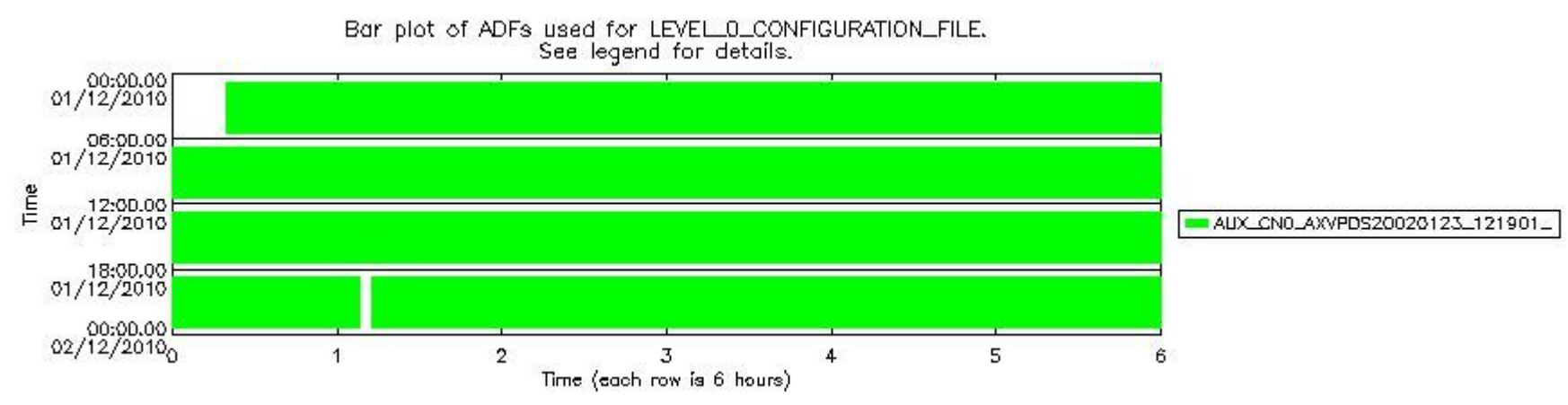
0.4 ADF monitoring

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

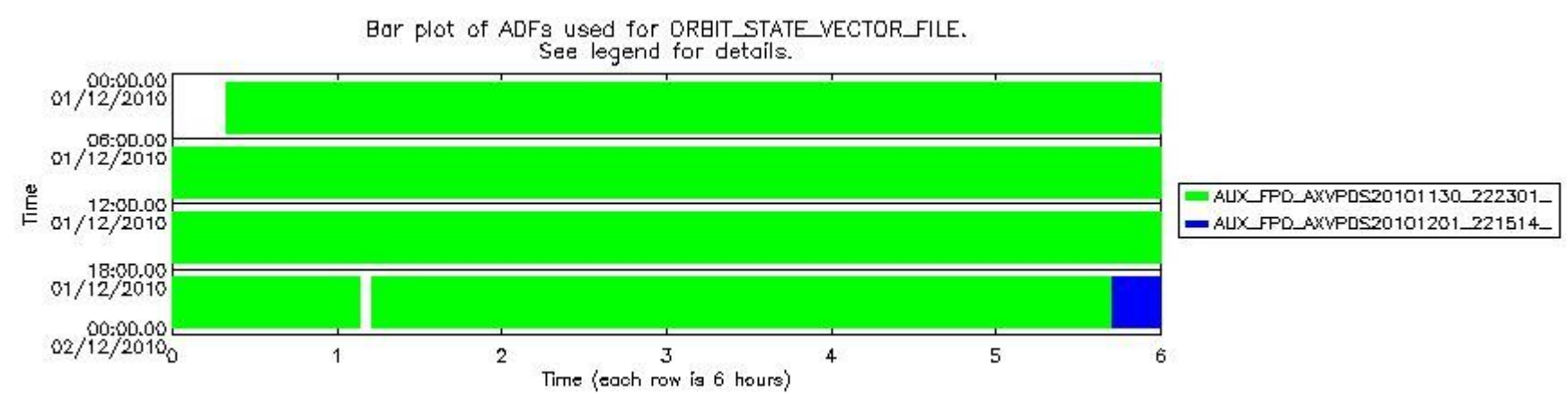
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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_AXVPDS20101130_222301_20101130_193135_20101210_200515
2	AUX_FPO_AXVPDS20101201_221514_20101201_103341_20101211_124735



sciamachy_daily_report_level0_KSPT_L0_4504_N_20101201_7.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20101201_8.PNG

