

0. SCIAMACHY Daily Report for Level 0 products

[0.1 General Info](#)

[0.2 Product Quality Indicators](#)

[0.3 State monitoring](#)

[0.4 ADF monitoring](#)

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	17DEC2010 03:14:00
Data source version	KSPT_L0/4504-N
Processing scope for products	12DEC2010 00:00:00 to 13DEC2010 00:00:00
Start time of first product within scope	12DEC2010 00:16:40
Stop time of last product within scope	13DEC2010 01:19:57
Total number of Level 0 products	16
Number of Level 0 products with errors	1

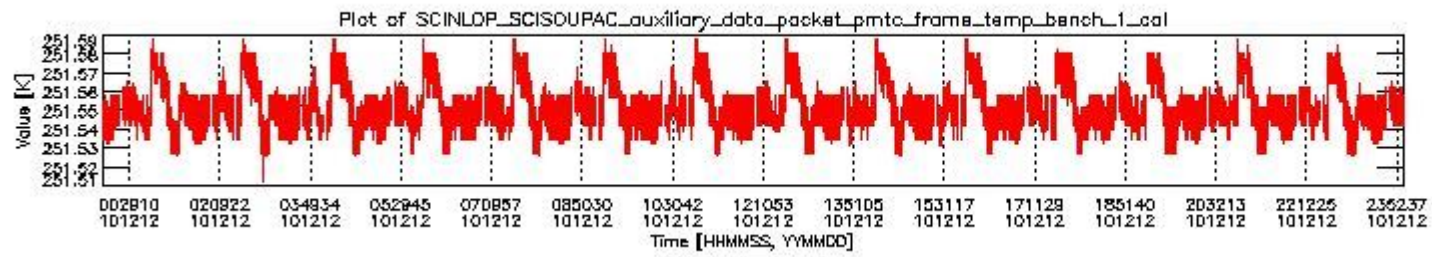
0.1.2 Summary per product

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

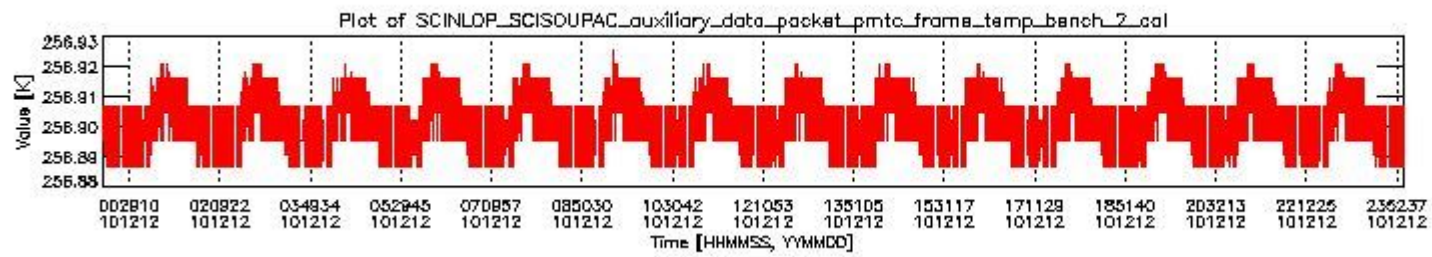
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20101212_001640_000058633097_00217_45921_2138.N1	12DEC2010 00:16:40	12DEC2010 01:54:23	1	1	0	0	0
1	SCI_NL__OPNPDE20101212_015423_000044843097_00218_45922_2139.N1	12DEC2010 01:54:23	12DEC2010 03:09:06	0	0	0	0	0
2	SCI_NL__OPNPDE20101212_030906_000061373097_00219_45923_2140.N1	12DEC2010 03:09:06	12DEC2010 04:51:23	0	0	0	0	0
3	SCI_NL__OPNPDE20101212_045015_000060833097_00220_45924_2141.N1	12DEC2010 04:50:15	12DEC2010 06:31:37	0	0	0	0	0
4	SCI_NL__OPNPDK20101212_063043_000040363097_00221_45925_3216.N1	12DEC2010 06:30:43	12DEC2010 07:37:59	0	0	0	0	0
5	SCI_NL__OPNPDK20101212_073705_000061373097_00222_45926_3217.N1	12DEC2010 07:37:05	12DEC2010 09:19:22	0	0	0	0	0
6	SCI_NL__OPNPDK20101212_091827_000059453097_00223_45927_3218.N1	12DEC2010 09:18:27	12DEC2010 10:57:33	0	0	0	0	0
7	SCI_NL__OPNPDK20101212_105545_000061223097_00224_45928_3219.N1	12DEC2010 10:55:45	12DEC2010 12:37:47	0	0	0	0	0
8	SCI_NL__OPNPDK20101212_123559_000059603097_00225_45929_3220.N1	12DEC2010 12:35:59	12DEC2010 14:15:19	0	0	0	0	0
9	SCI_NL__OPNPDK20101212_141301_000060143097_00226_45930_3221.N1	12DEC2010 14:13:01	12DEC2010 15:53:15	0	0	0	0	0
10	SCI_NL__OPNPDK20101212_155315_000055553097_00227_45931_3222.N1	12DEC2010 15:53:15	12DEC2010 17:25:50	0	0	0	0	0
11	SCI_NL__OPNPDK20101212_172951_000057343097_00228_45932_3223.N1	12DEC2010 17:29:51	12DEC2010 19:05:25	0	0	0	0	0
12	SCI_NL__OPNPDK20101212_190525_000060543097_00229_45933_3224.N1	12DEC2010 19:05:25	12DEC2010 20:46:18	0	0	0	0	0
13	SCI_NL__OPNPDE20101212_204534_000044353097_00230_45934_2142.N1	12DEC2010 20:45:34	12DEC2010 21:59:29	0	0	0	0	0
14	SCI_NL__OPNPDE20101212_215929_000060283097_00230_45934_2143.N1	12DEC2010 21:59:29	12DEC2010 23:39:58	0	0	0	0	0
15	SCI_NL__OPNPDE20101212_233958_000060003097_00231_45935_2144.N1	12DEC2010 23:39:58	13DEC2010 01:19:57	0	0	0	0	0

0.2 Product Quality Indicators

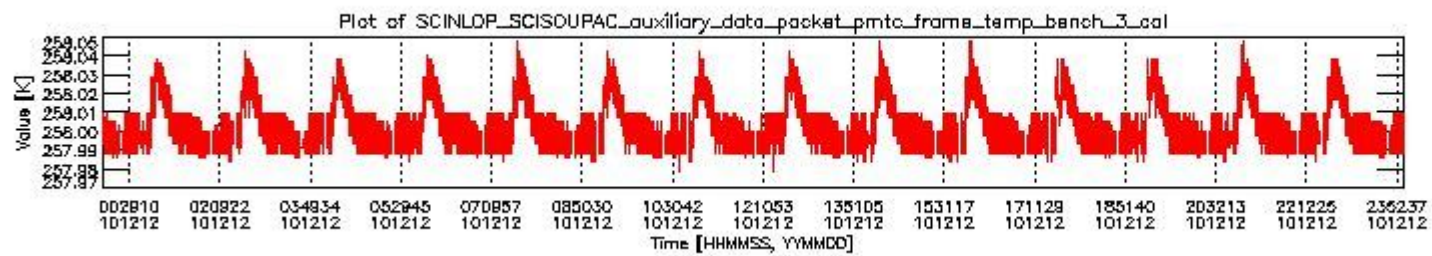
This section shows information about product quality, currently temperatures.



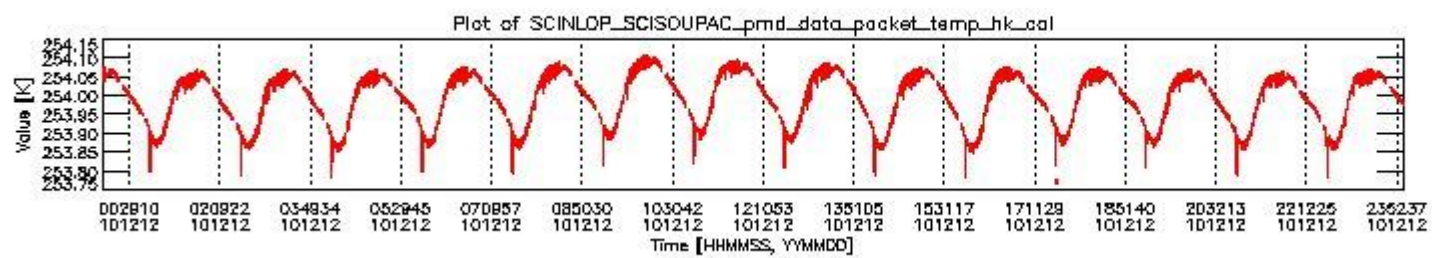
sciamachy_daily_report_level0_KSPT_L0_4504_N_20101212_0.PNG



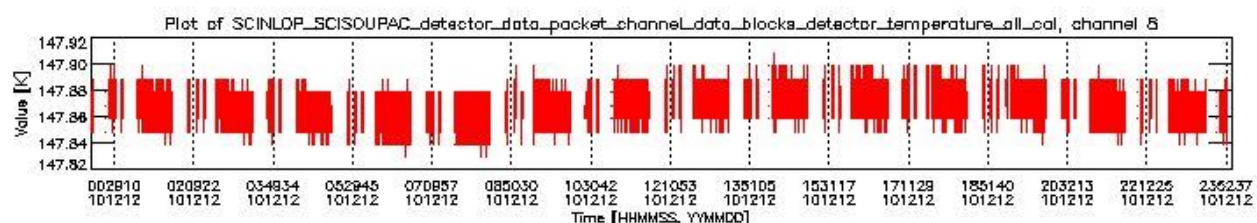
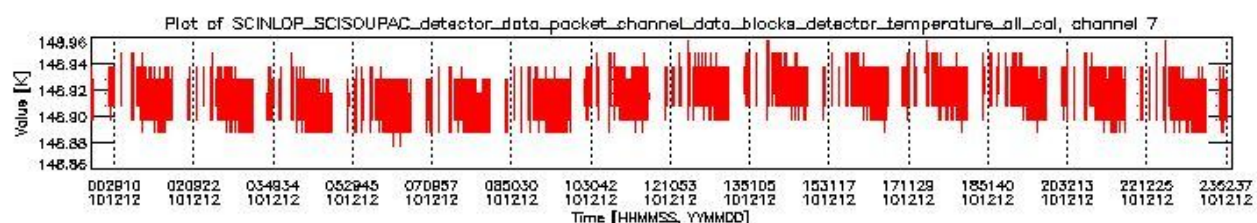
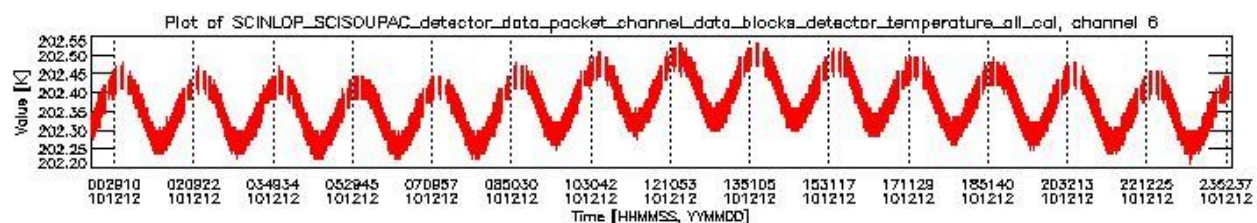
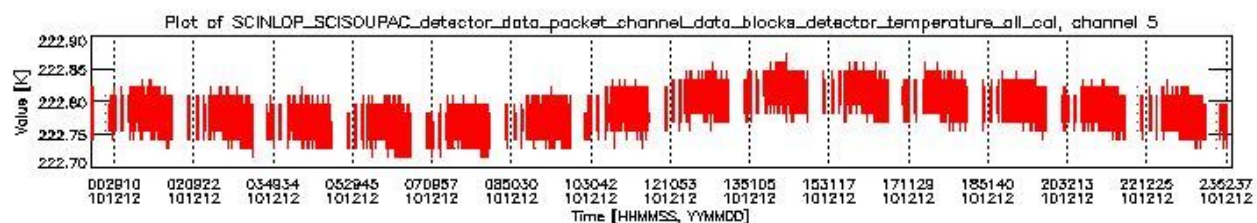
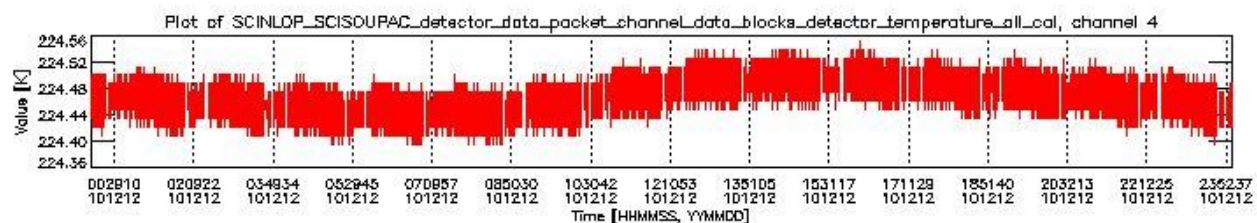
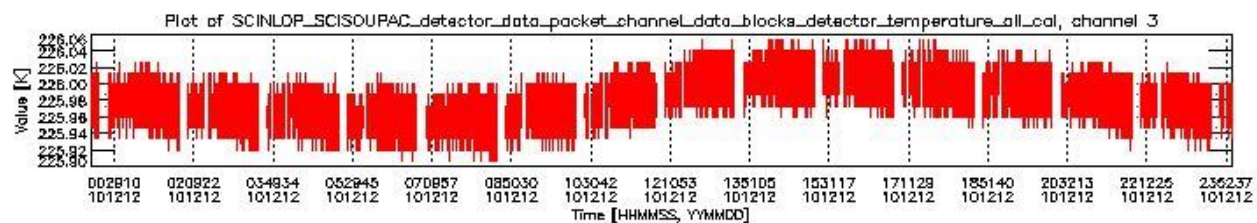
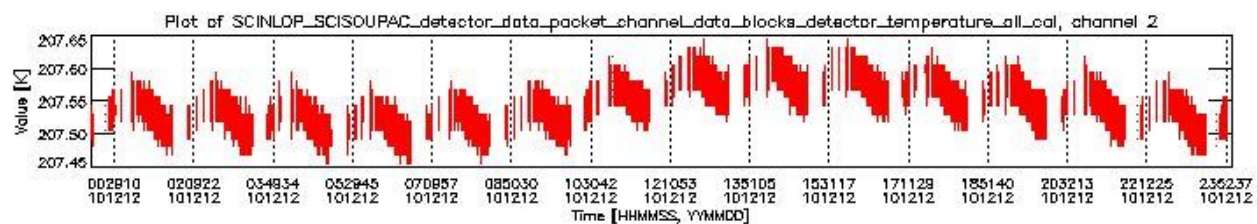
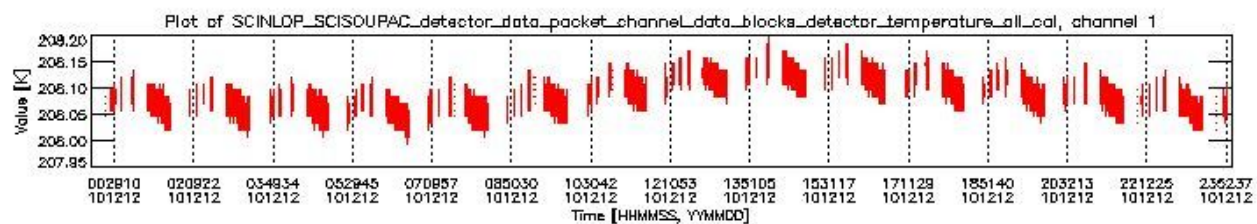
sciamachy_daily_report_level0_KSPT_L0_4504_N_20101212_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20101212_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20101212_3.PNG

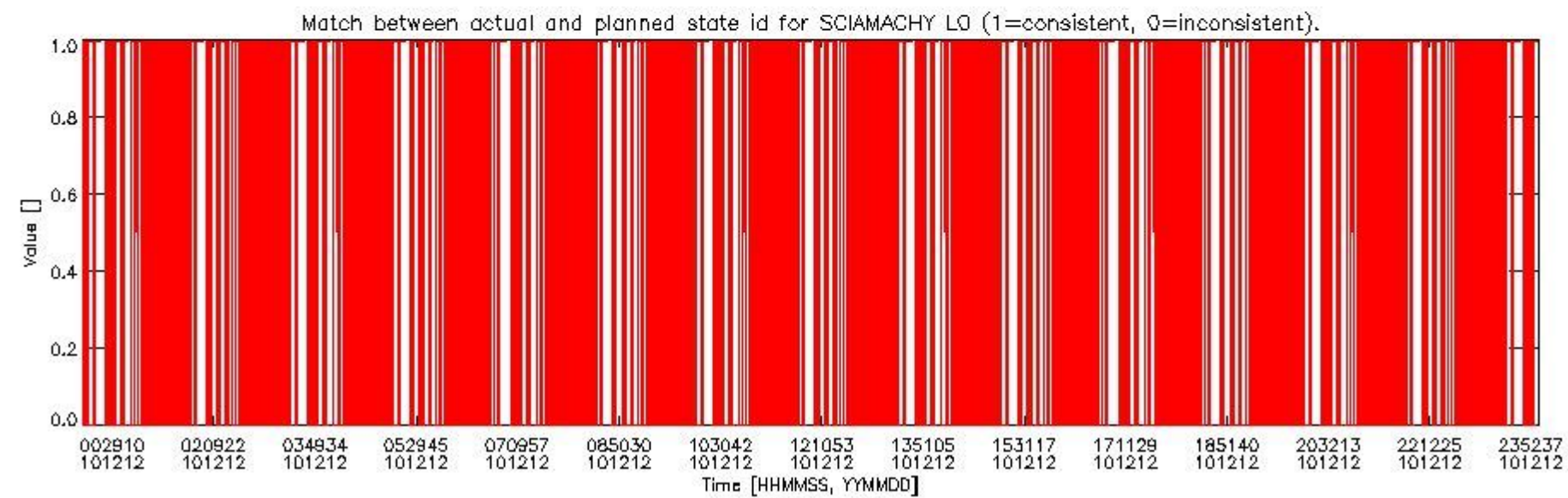
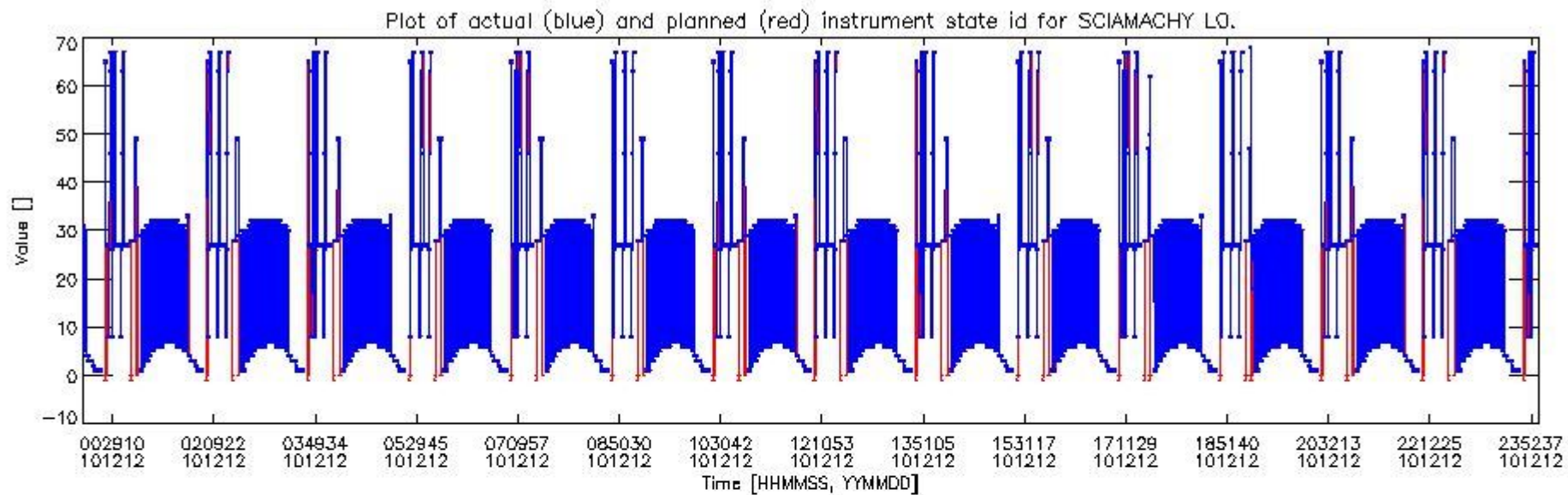


0.3 State monitoring

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: **25899**

#	Actual time	Actual value	Planned time	Planned value
0	12DEC2010 00:00:01.025912	31	12DEC2010 00:00:01.025912	6
1	12DEC2010 00:00:01.650912	31	12DEC2010 00:00:01.650912	6
2	12DEC2010 00:00:02.025912	31	12DEC2010 00:00:02.025912	6
3	12DEC2010 00:00:02.400912	31	12DEC2010 00:00:02.400912	6
4	12DEC2010 00:00:02.963412	31	12DEC2010 00:00:02.963412	6
5	12DEC2010 00:00:03.338412	31	12DEC2010 00:00:03.338412	6
6	12DEC2010 00:00:03.713412	31	12DEC2010 00:00:03.713412	6
7	12DEC2010 00:00:04.088412	31	12DEC2010 00:00:04.088412	6
8	12DEC2010 00:00:04.650912	31	12DEC2010 00:00:04.650912	6
9	12DEC2010 00:00:05.025912	31	12DEC2010 00:00:05.025912	6
10	12DEC2010 00:00:05.400912	31	12DEC2010 00:00:05.400912	6
11	12DEC2010 00:00:05.775912	31	12DEC2010 00:00:05.775912	6
12	12DEC2010 00:00:06.025912	31	12DEC2010 00:00:06.025912	6
13	12DEC2010 00:00:06.338412	31	12DEC2010 00:00:06.338412	6
14	12DEC2010 00:00:06.713412	31	12DEC2010 00:00:06.713412	6
15	12DEC2010 00:00:55.209513	5	12DEC2010 00:00:55.209513	31
16	12DEC2010 00:00:55.459513	5	12DEC2010 00:00:55.459513	31
17	12DEC2010 00:00:55.584513	5	12DEC2010 00:00:55.584513	31
18	12DEC2010 00:00:55.709513	5	12DEC2010 00:00:55.709513	31
19	12DEC2010 00:00:55.834513	5	12DEC2010 00:00:55.834513	31
...

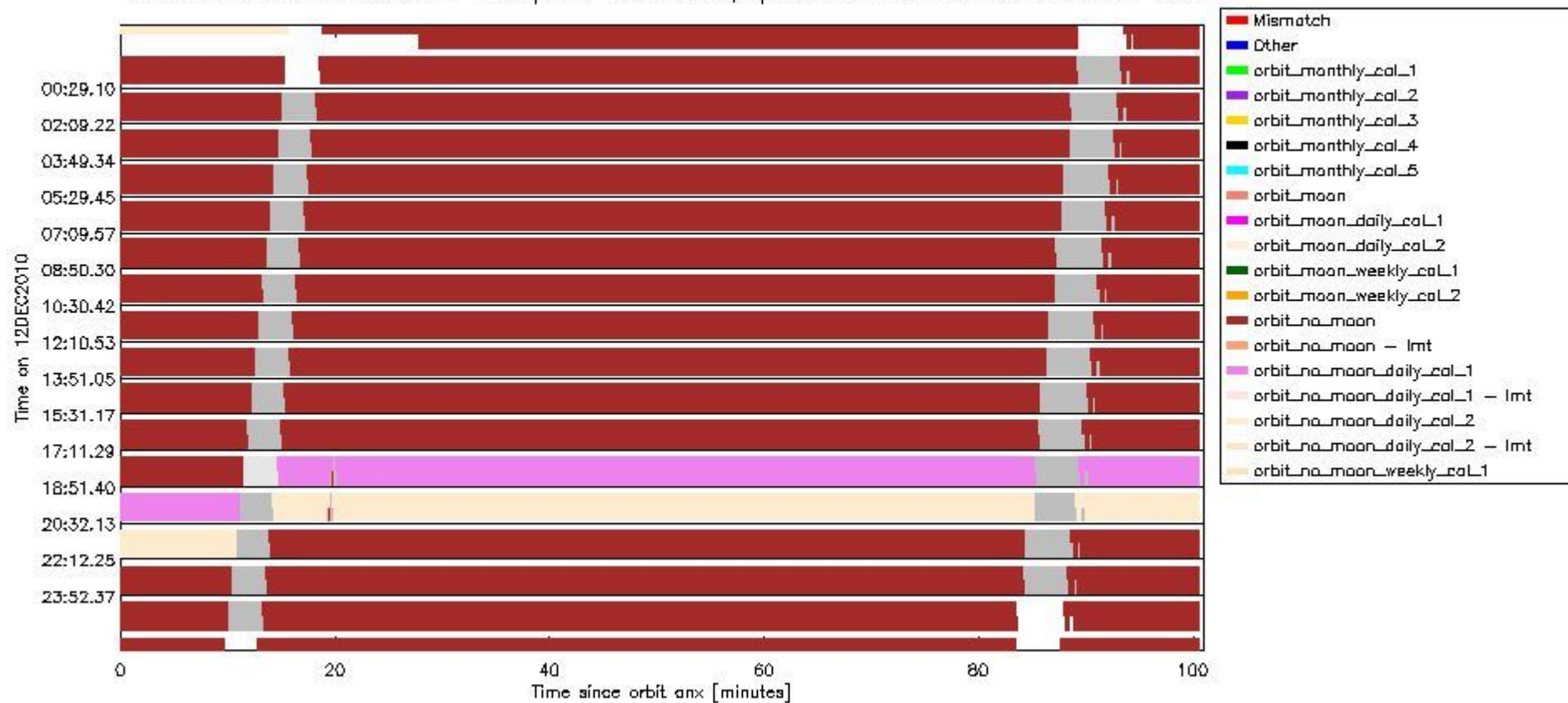


sciamachy_daily_report_level0_KSPT_L0_4504_N_20101212_5.PNG

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 12DEC2010.
 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_20101212_6.PNG

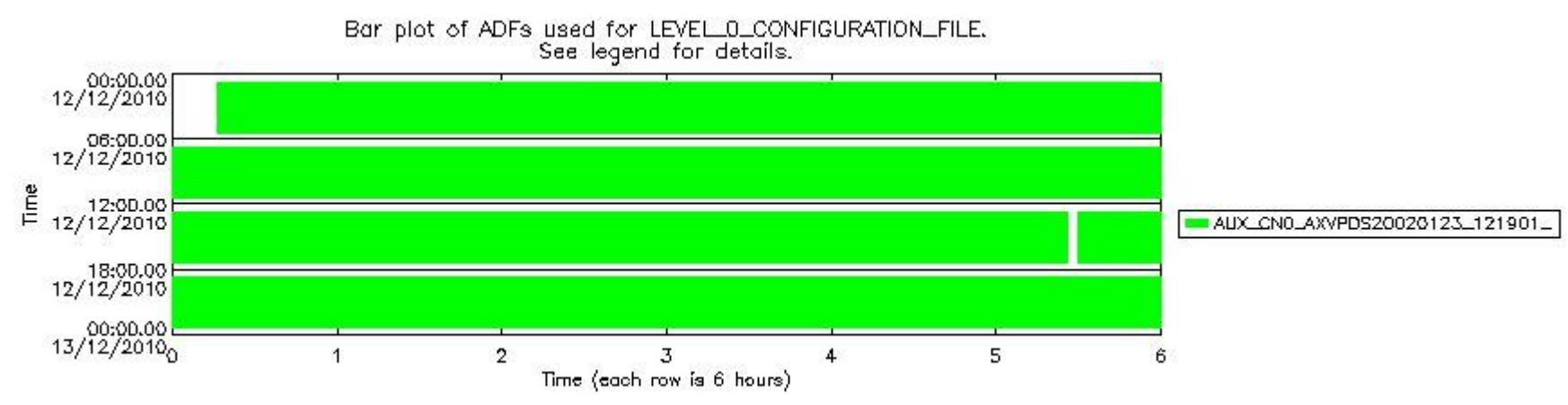
0.4 ADF monitoring

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

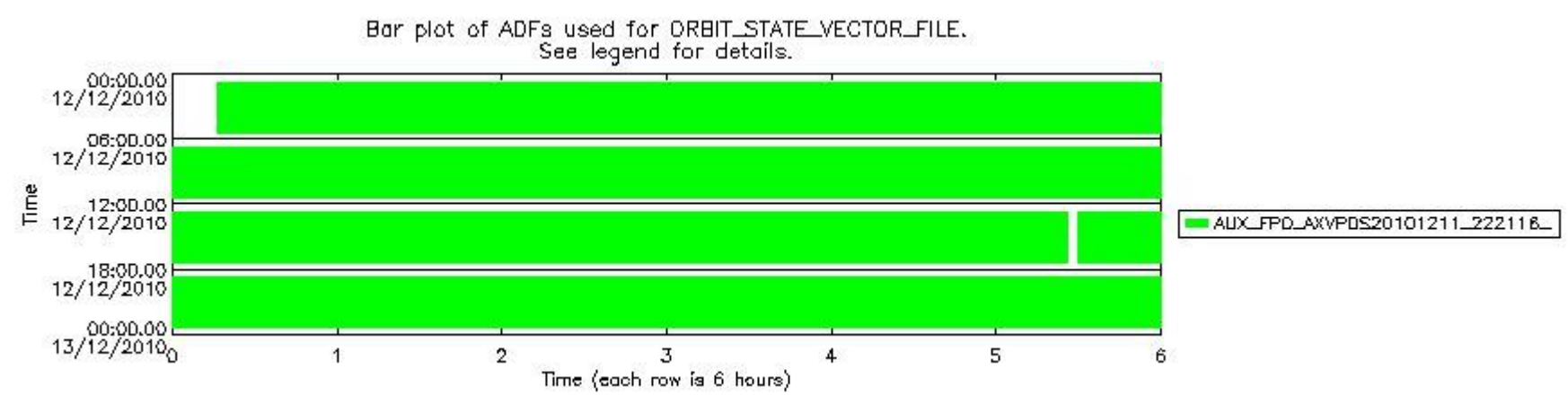
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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_AXVPDS20101211_222116_20101211_192831_20101221_200211



sciamachy_daily_report_level0_KSPT_L0_4504_N_20101212_7.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20101212_8.PNG

