

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	v1.3 20060731
Time of report generation	22MAR2010 01:26:35
Data source version	KSPT_L0/4303-N
Processing scope for products	18MAR2010 00:00:00 to 19MAR2010 00:00:00
Start time of first product within scope	17MAR2010 22:43:31
Stop time of last product within scope	19MAR2010 01:34:27
Total number of Level 0 products	17
Number of Level 0 products with errors	0

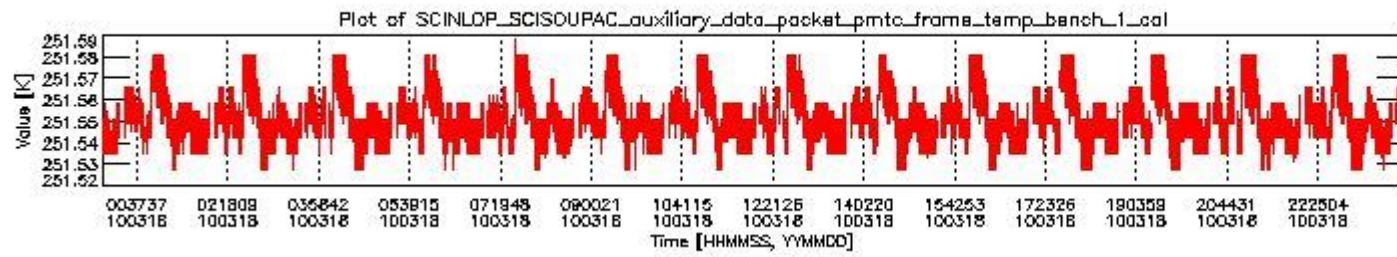
0.1.2 Summary per product

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

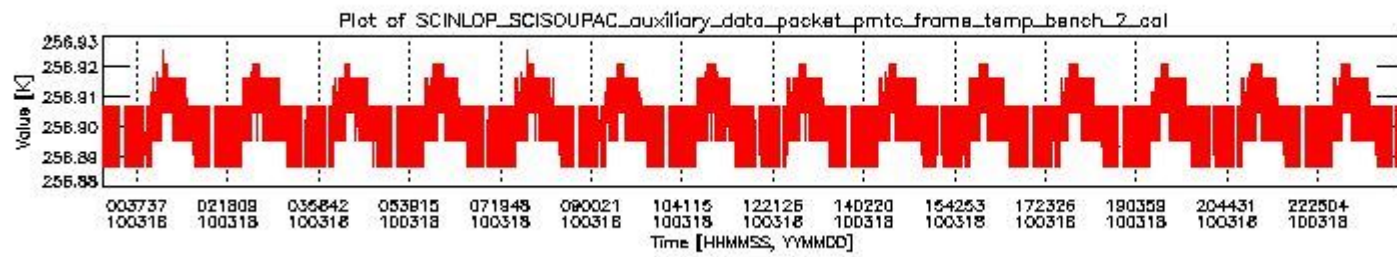
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100317_224331_000062112087_00430_42067_1097.N1	17MAR2010 22:43:31	18MAR2010 00:27:02	0	0	0	0	0
1	SCI_NL__OPNPDE20100318_002534_000059032087_00431_42068_1098.N1	18MAR2010 00:25:34	18MAR2010 02:03:58	0	0	0	0	0
2	SCI_NL__OPNPDE20100318_020358_000043812087_00432_42069_1099.N1	18MAR2010 02:03:58	18MAR2010 03:16:59	0	0	0	0	0
3	SCI_NL__OPNPDE20100318_031659_000061602087_00433_42070_1100.N1	18MAR2010 03:16:59	18MAR2010 04:59:39	0	0	0	0	0
4	SCI_NL__OPNPDE20100318_045830_000061042087_00434_42071_1101.N1	18MAR2010 04:58:30	18MAR2010 06:40:14	0	0	0	0	0
5	SCI_NL__OPNPDK20100318_063918_000041562087_00435_42072_4366.N1	18MAR2010 06:39:18	18MAR2010 07:48:35	0	0	0	0	0
6	SCI_NL__OPNPDK20100318_074835_000061042087_00436_42073_4367.N1	18MAR2010 07:48:35	18MAR2010 09:30:19	0	0	0	0	0
7	SCI_NL__OPNPDK20100318_093019_000059112087_00437_42074_4368.N1	18MAR2010 09:30:19	18MAR2010 11:08:50	0	0	0	0	0
8	SCI_NL__OPNPDK20100318_110850_000059802087_00438_42075_4369.N1	18MAR2010 11:08:50	18MAR2010 12:48:29	0	0	0	0	0
9	SCI_NL__OPNPDK20100318_124721_000059672087_00439_42076_4370.N1	18MAR2010 12:47:21	18MAR2010 14:26:48	0	0	0	0	0
10	SCI_NL__OPNPDK20100318_142552_000057872087_00440_42077_4371.N1	18MAR2010 14:25:52	18MAR2010 16:02:18	0	0	0	0	0
11	SCI_NL__OPNPDK20100318_160027_000060962087_00441_42078_4372.N1	18MAR2010 16:00:27	18MAR2010 17:42:02	0	0	0	0	0
12	SCI_NL__OPNPDK20100318_174107_000059592087_00442_42079_4373.N1	18MAR2010 17:41:07	18MAR2010 19:20:26	0	0	0	0	0
13	SCI_NL__OPNPDK20100318_191946_000060912087_00443_42080_4374.N1	18MAR2010 19:19:46	18MAR2010 21:01:17	0	0	0	0	0
14	SCI_NL__OPNPDE20100318_205859_000044102087_00444_42081_1102.N1	18MAR2010 20:58:59	18MAR2010 22:12:29	0	0	0	0	0
15	SCI_NL__OPNPDE20100318_221146_000061672087_00444_42081_1103.N1	18MAR2010 22:11:46	18MAR2010 23:54:33	0	0	0	0	0
16	SCI_NL__OPNPDE20100318_235305_000060822087_00445_42082_1104.N1	18MAR2010 23:53:05	19MAR2010 01:34:27	0	0	0	0	0

0.2 Product Quality Indicators

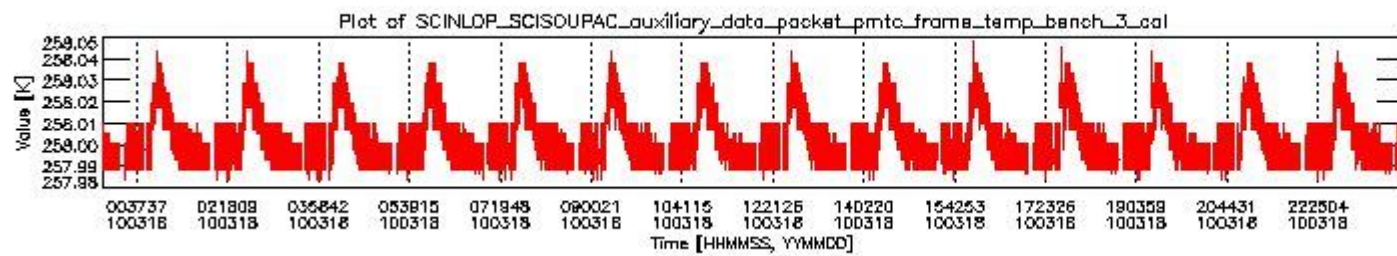
This section shows information about product quality, currently temperatures.



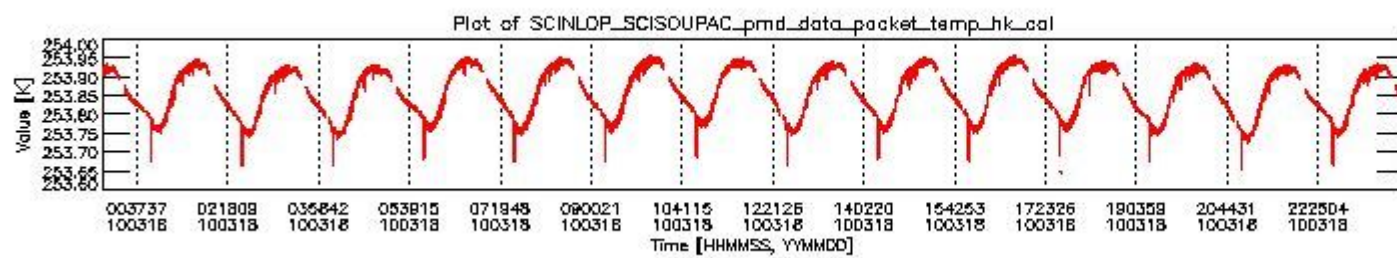
sciamachy_daily_report_level0_KSPT_L0_4303_N_20100318_0.PNG



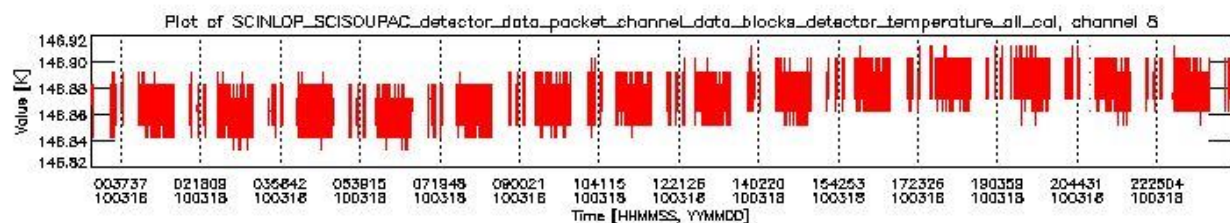
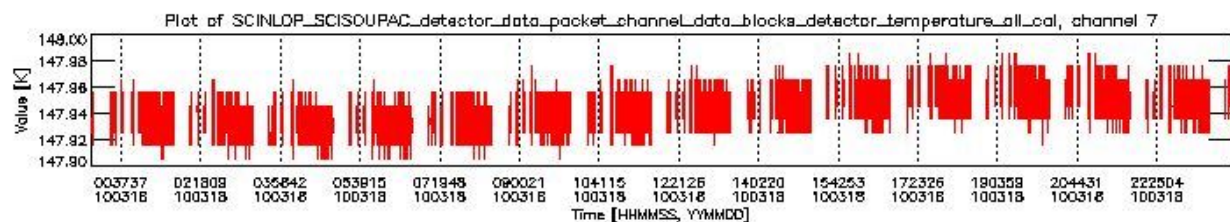
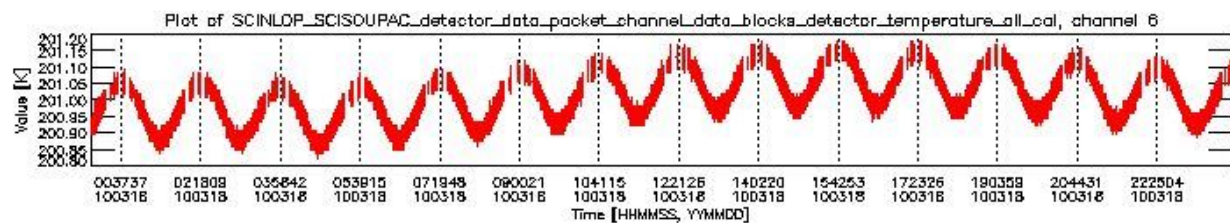
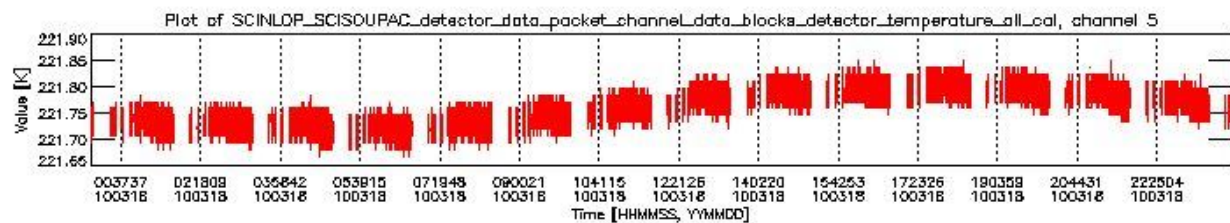
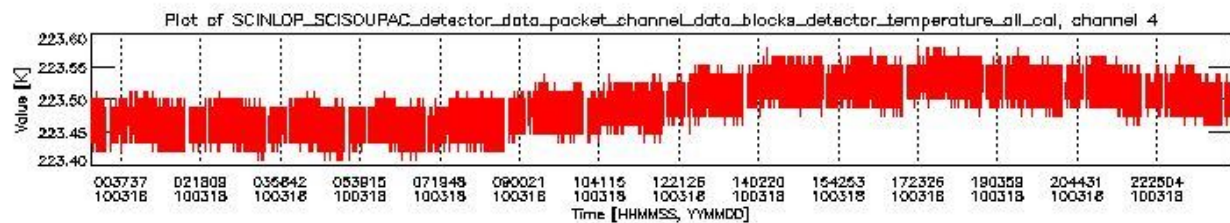
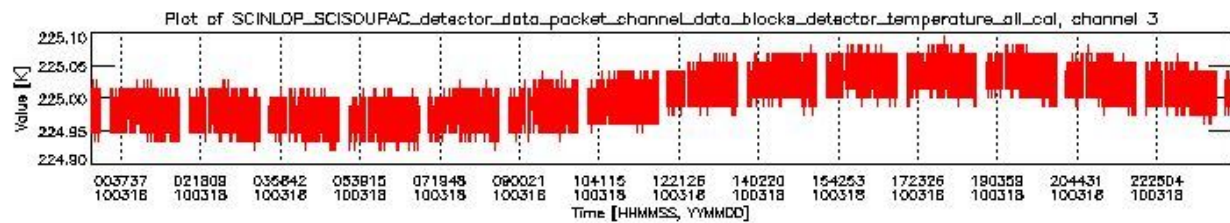
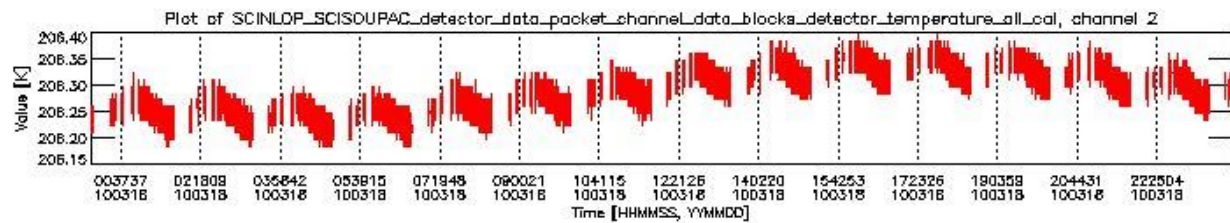
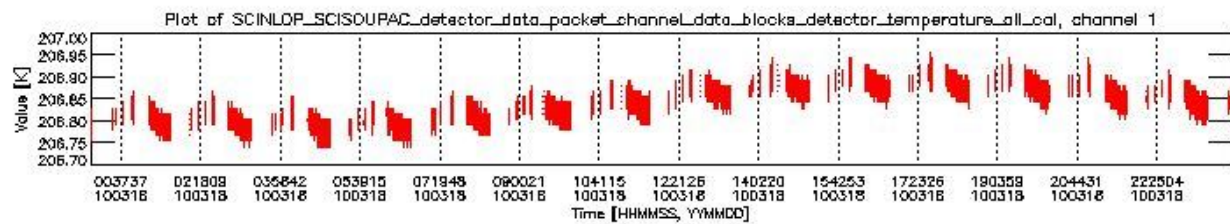
sciamachy_daily_report_level0_KSPT_L0_4303_N_20100318_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20100318_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20100318_3.PNG

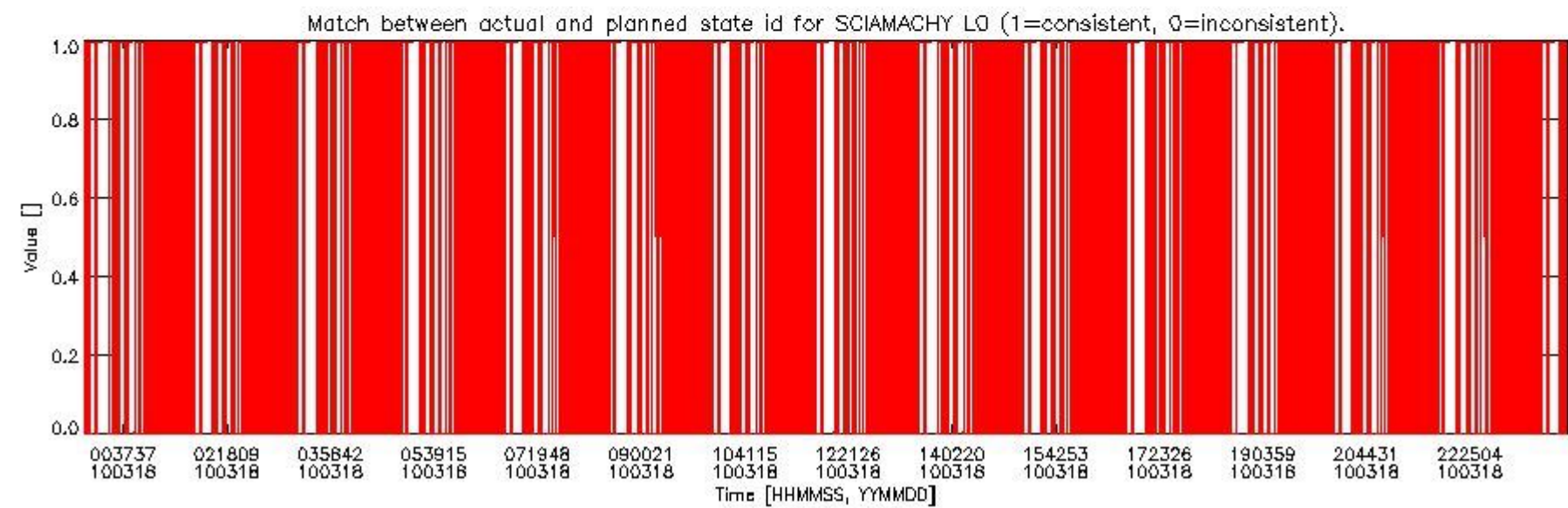
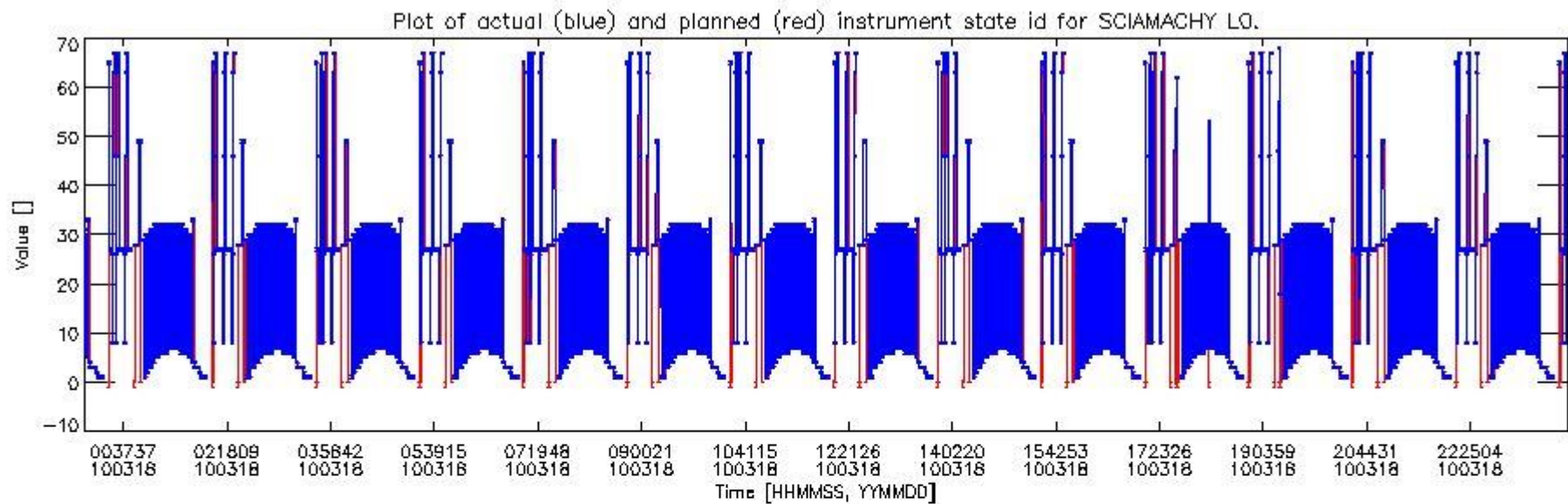


0.3 State monitoring

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: **73626**

#	Actual time	Actual value	Planned time	Planned value
0	18MAR2010 00:00:00.173921	6	18MAR2010 00:00:00.173921	31
1	18MAR2010 00:00:00.423921	6	18MAR2010 00:00:00.423921	31
2	18MAR2010 00:00:00.673921	6	18MAR2010 00:00:00.673921	31
3	18MAR2010 00:00:00.923921	6	18MAR2010 00:00:00.923921	31
4	18MAR2010 00:00:01.173921	6	18MAR2010 00:00:01.173921	31
5	18MAR2010 00:00:01.423921	6	18MAR2010 00:00:01.423921	31
6	18MAR2010 00:00:01.673921	6	18MAR2010 00:00:01.673921	31
7	18MAR2010 00:00:01.923921	6	18MAR2010 00:00:01.923921	31
8	18MAR2010 00:00:02.173921	6	18MAR2010 00:00:02.173921	31
9	18MAR2010 00:00:02.298921	6	18MAR2010 00:00:02.298921	31
10	18MAR2010 00:00:02.423921	6	18MAR2010 00:00:02.423921	31
11	18MAR2010 00:00:02.673921	6	18MAR2010 00:00:02.673921	31
12	18MAR2010 00:00:02.923921	6	18MAR2010 00:00:02.923921	31
13	18MAR2010 00:00:03.173921	6	18MAR2010 00:00:03.173921	31
14	18MAR2010 00:00:03.423921	6	18MAR2010 00:00:03.423921	31
15	18MAR2010 00:00:03.673921	6	18MAR2010 00:00:03.673921	31
16	18MAR2010 00:00:03.923921	6	18MAR2010 00:00:03.923921	31
17	18MAR2010 00:00:04.173921	6	18MAR2010 00:00:04.173921	31
18	18MAR2010 00:00:04.423921	6	18MAR2010 00:00:04.423921	31
19	18MAR2010 00:00:04.673921	6	18MAR2010 00:00:04.673921	31
...

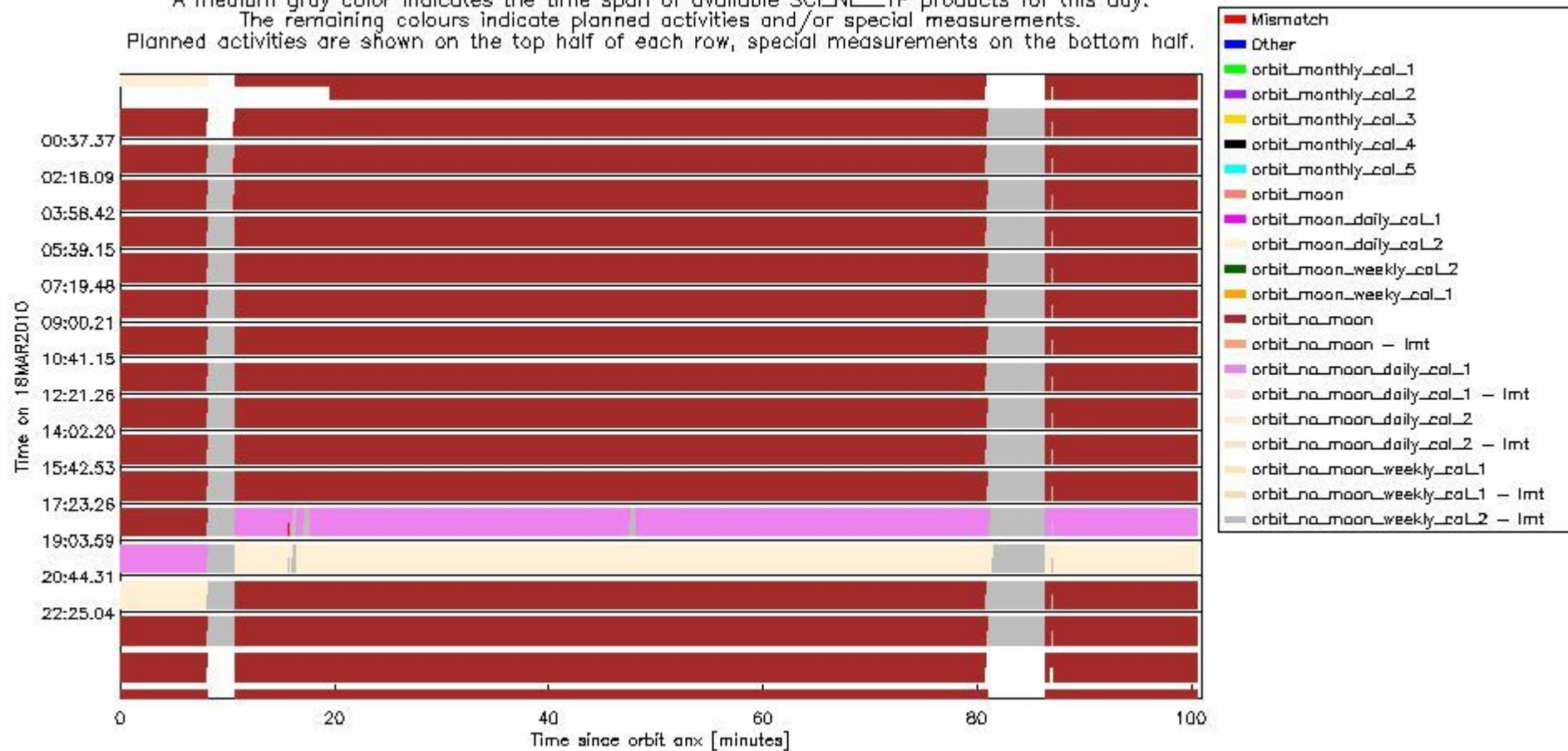


sciamachy_daily_report_level0_KSPT_L0_4303_N_20100318_5.PNG

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 18MAR2010.
 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_20100318_6.PNG

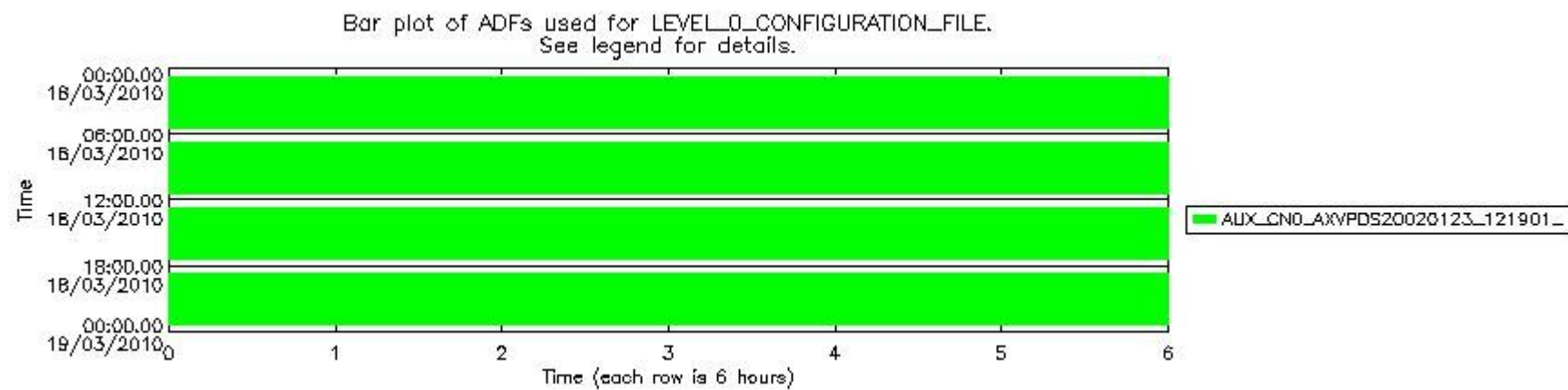
0.4 ADF monitoring

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

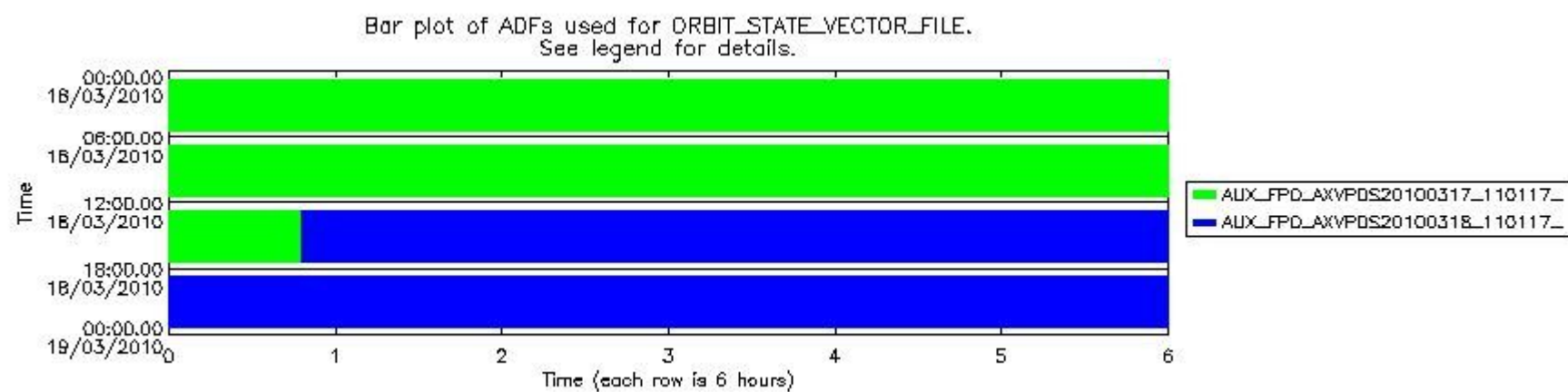
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20100317_110117_20100317_093204_20100326_195254
2	AUX_FPO_AXVPDS20100318_110117_20100317_193539_20100327_210153



sciamachy_daily_report_level0_KSPT_L0_4303_N_20100318_7.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20100318_8.PNG

