

1. SCIAMACHY Daily Report for level 1 products

- [1.1. General Info](#)
- [1.2 Product Quality Indicators](#)
- [1.3 ADF monitoring](#)
- [1.4 DMOP execution monitoring](#)

1.1 General Info

This report contains a daily analysis on parameters extracted from SCIAMACHY level 1 data (The SCI_NL__1P product).

1.1.1 Report summary

The table below shows general chacteristics of the data that are included into this report.

Item	Value
Report version	1.3 (29-05-2006)
Time of report generation	08APR2008 02:35:41
Data source version	SCIA/6.03-N
Processing scope for products	05APR2008 00:00:00 to 06APR2008 00:00:00
Start time of first product within scope	04APR2008 22:53:42
Stop time of last product within scope	06APR2008 00:10:49
Total number of level 1 products	15
Number of level 1 products with errors	0

1.1.2 Summary per product

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

#	Product name	Start time	Stop time	Prod err	#nadir	#limb	#occ	#mon	#nopro	#comp_dark	#incomp_dark
0	SCI_NL__1PNPDE20080404_225342_000065292067_00259_31876_9866.N1	04APR2008 22:53:42	05APR2008 00:42:32	0	36	47	1	0	3	15	0
1	SCI_NL__1PNPDE20080405_003622_000064522067_00260_31877_9970.N1	05APR2008 00:36:22	05APR2008 02:23:54	0	35	47	1	0	4	15	0
2	SCI_NL__1PNPDE20080405_021958_000063742067_00261_31878_9981.N1	05APR2008 02:19:58	05APR2008 04:06:12	0	35	46	1	0	4	15	0
3	SCI_NL__1PNPDE20080405_040142_000064332067_00262_31879_0469.N1	05APR2008 04:01:42	05APR2008 05:48:56	0	35	45	1	0	5	15	0
4	SCI_NL__1PNPDK20080405_054313_000063342067_00263_31880_7535.N1	05APR2008 05:43:13	05APR2008 07:28:48	0	36	47	1	0	3	15	0
5	SCI_NL__1PNPDK20080405_072702_000059962067_00264_31881_7614.N1	05APR2008 07:27:02	05APR2008 09:06:58	0	33	45	1	0	3	15	0
6	SCI_NL__1PNPDK20080405_090533_000061202067_00265_31882_7772.N1	05APR2008 09:05:33	05APR2008 10:47:34	0	35	45	1	0	3	15	0
7	SCI_NL__1PNPDK20080405_104609_000060092067_00266_31883_7802.N1	05APR2008 10:46:09	05APR2008 12:26:18	0	33	45	1	0	3	15	0
8	SCI_NL__1PNPDK20080405_122535_000059292067_00267_31884_7820.N1	05APR2008 12:25:35	05APR2008 14:04:25	0	33	44	1	0	3	15	0
9	SCI_NL__1PNPDK20080405_140311_000060022067_00268_31885_8396.N1	05APR2008 14:03:11	05APR2008 15:43:13	0	33	44	1	0	4	15	0
10	SCI_NL__1PNPDK20080405_154033_000059822067_00269_31886_8938.N1	05APR2008 15:40:33	05APR2008 17:20:15	0	33	44	2	1	3	15	0
11	SCI_NL__1PNPDK20080405_171901_000059702067_00270_31887_7066.N1	05APR2008 17:19:01	05APR2008 18:58:32	0	33	44	1	3	3	15	0
12	SCI_NL__1PNPDK20080405_185713_000060832067_00271_31888_6496.N1	05APR2008 18:57:13	05APR2008 20:38:37	0	34	46	1	0	3	15	0
13	SCI_NL__1PNPDK20080405_203632_000063012067_00272_31889_8925.N1	05APR2008 20:36:32	05APR2008 22:21:34	0	35	48	1	0	3	15	0
14	SCI_NL__1PNPDE20080405_221955_000066532067_00273_31890_0817.N1	05APR2008 22:19:55	06APR2008 00:10:49	0	37	47	1	0	4	15	0

1.2 Product Quality Indicators

This section shows information about product quality, in particular the quality of retrieved species.

The following data items are currently included into this section:

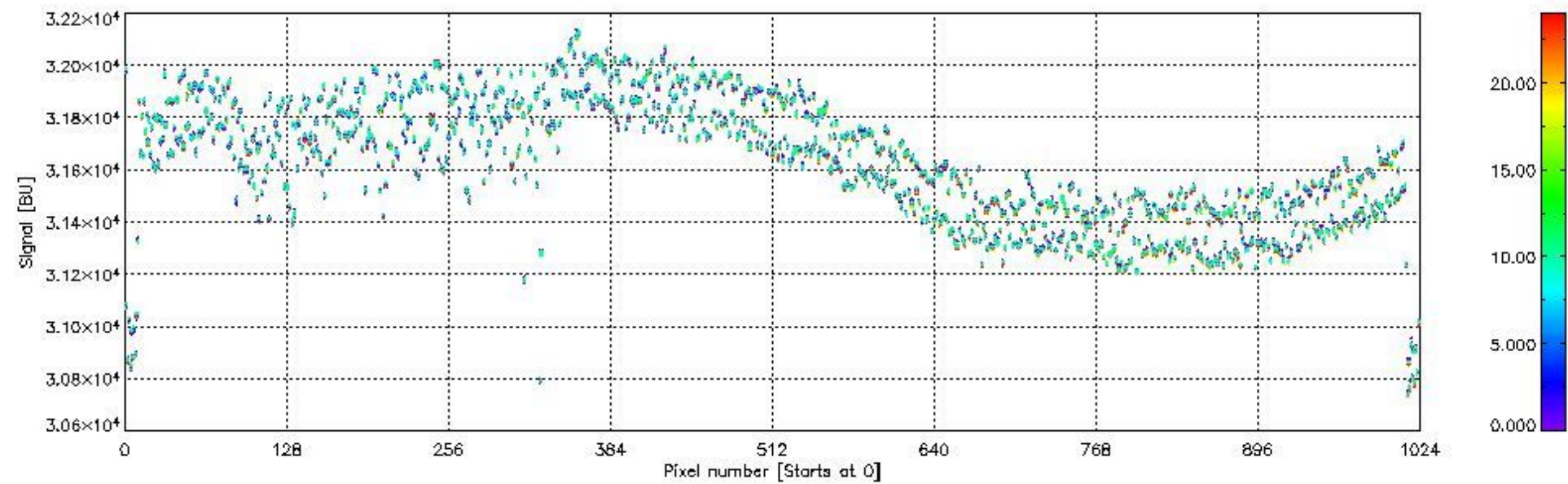
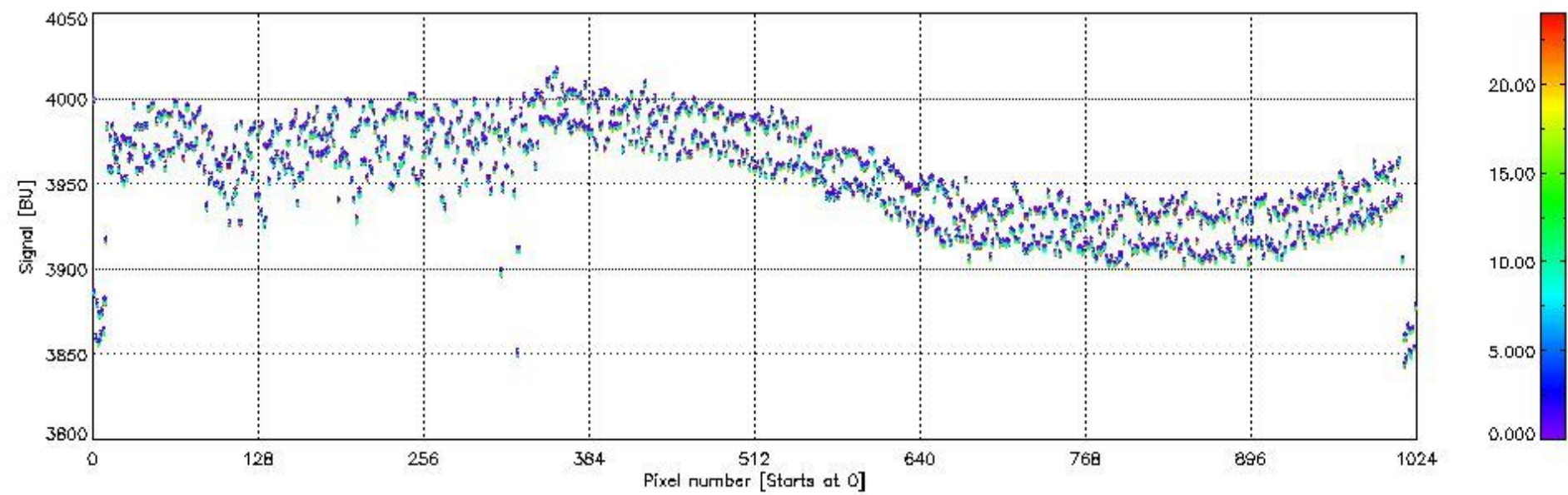
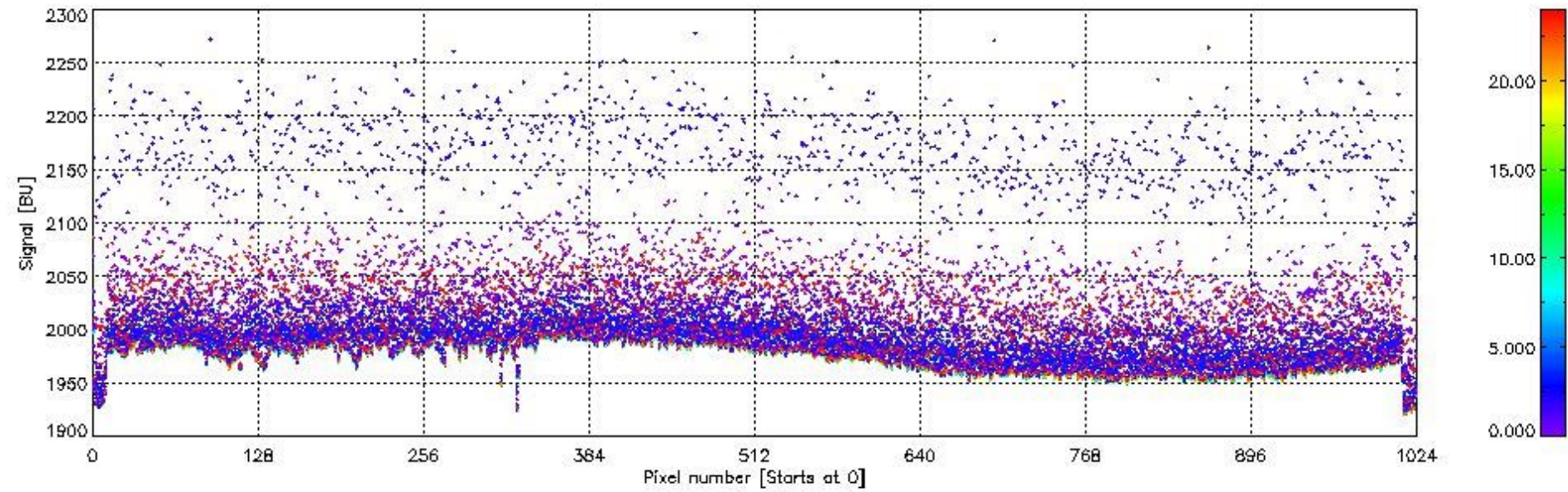
- Dark measurements (if available)
- New leakage current parameters (if available)
- New spectral calibration parameters (if available)
- New sun reference spectrum (if available)

5. New PPG/Etalon parameters (if available)

1.2.1 Dark measurements overview

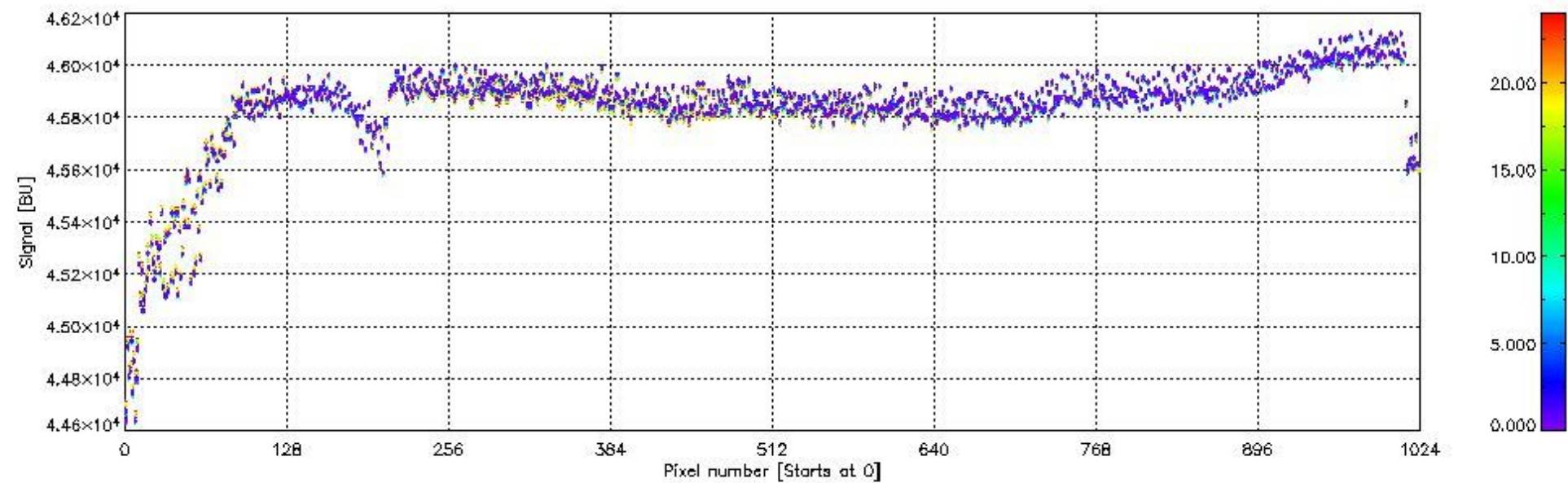
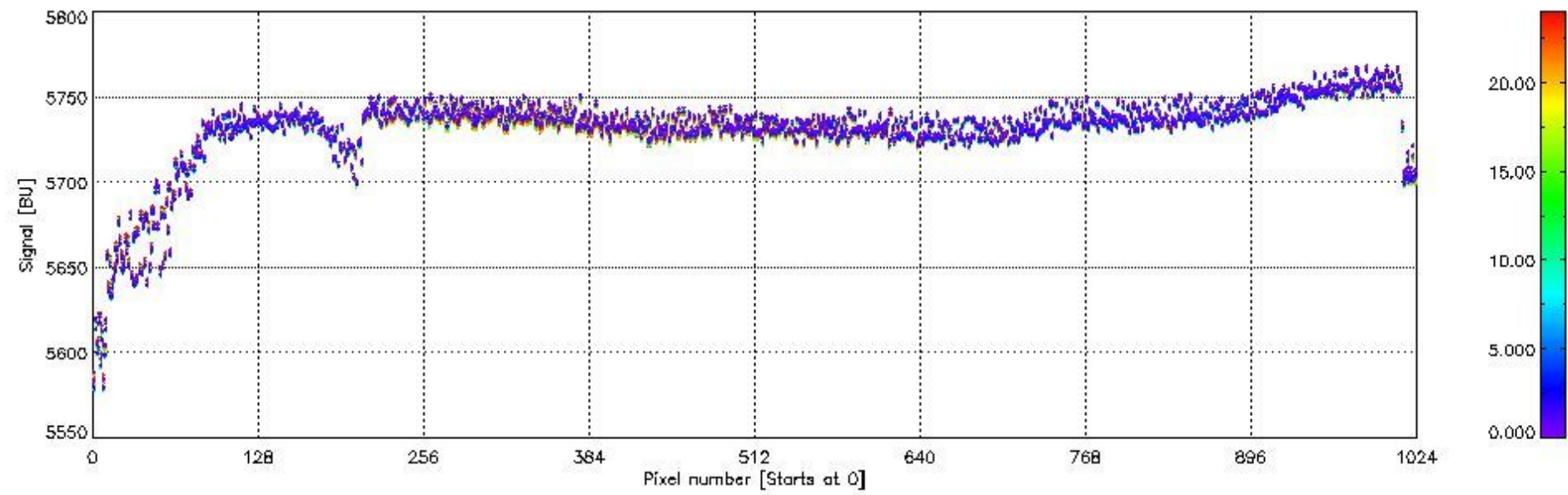
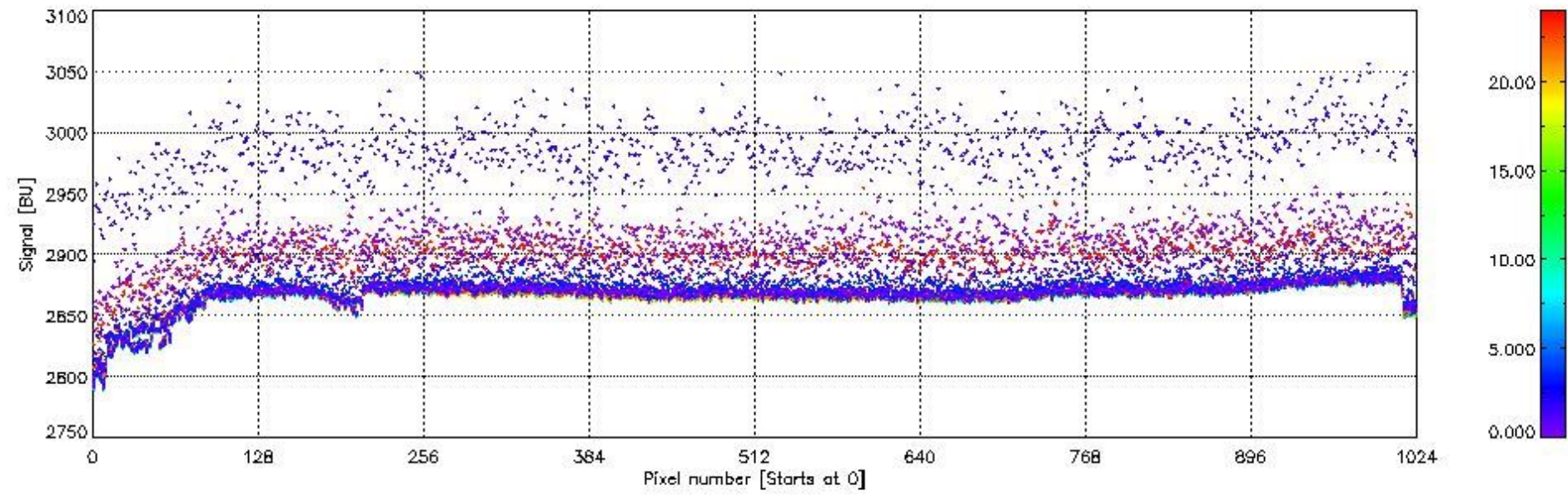
This section lists properties of the dark measurements performed within the processing scope.

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 1 on 05APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 05APR2008 00:00:00



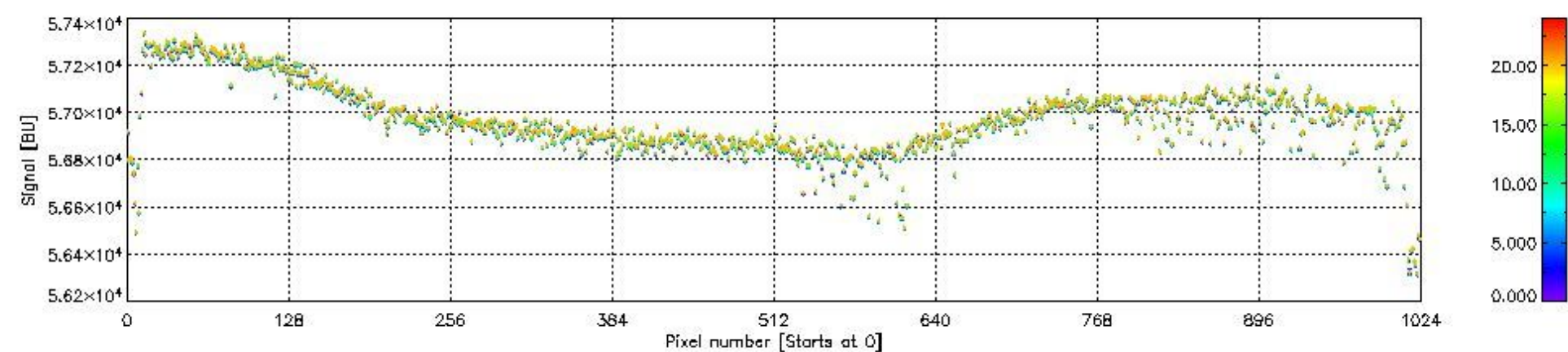
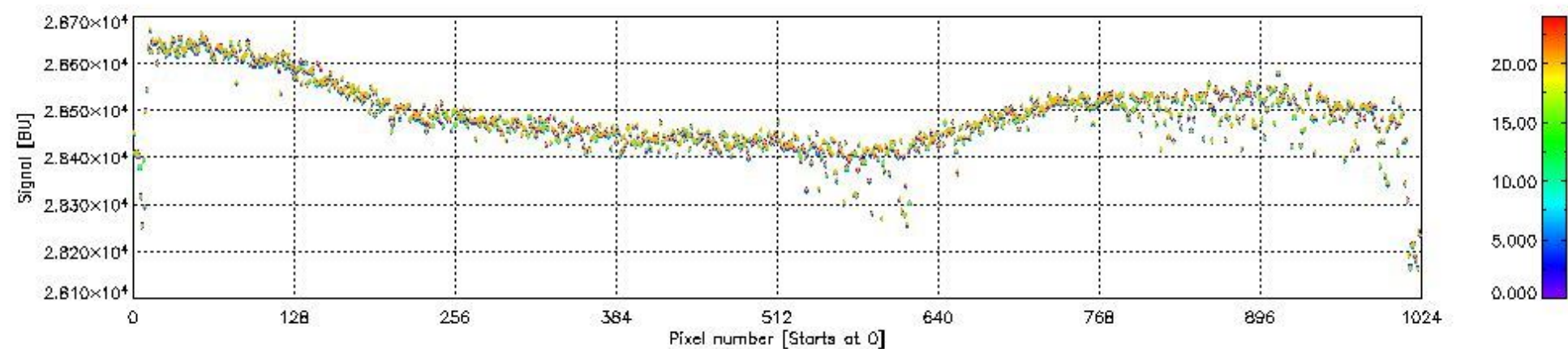
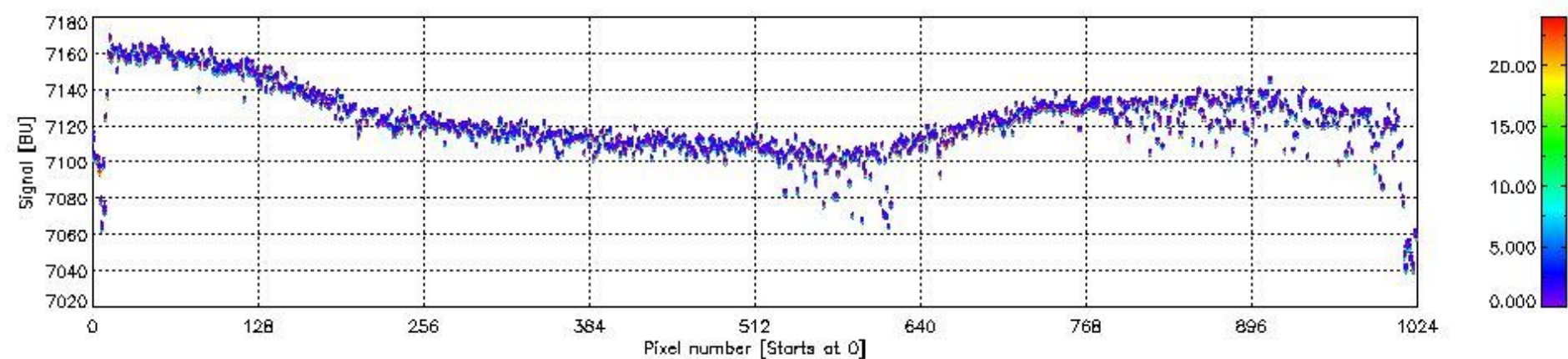
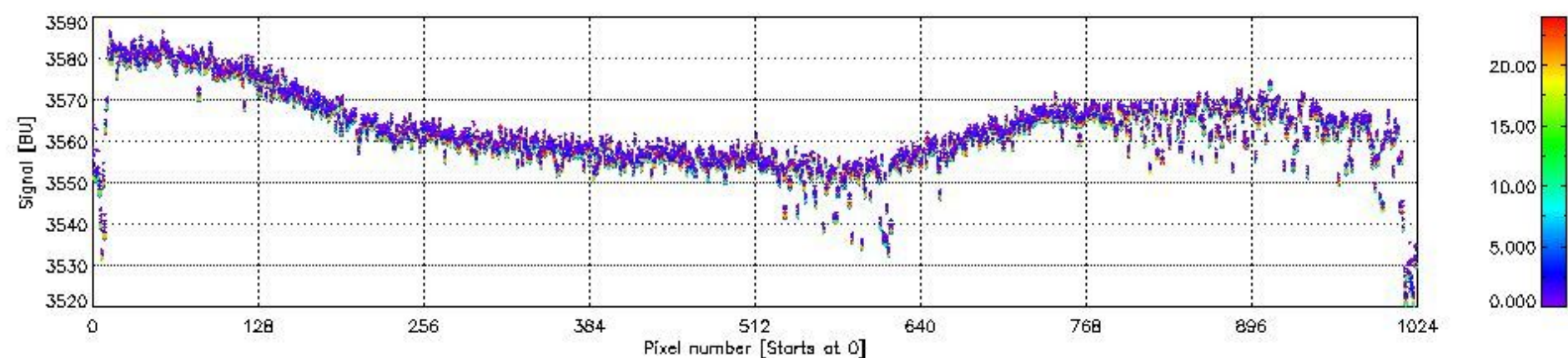
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_0.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 2 on 05APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 05APR2008 00:00:00



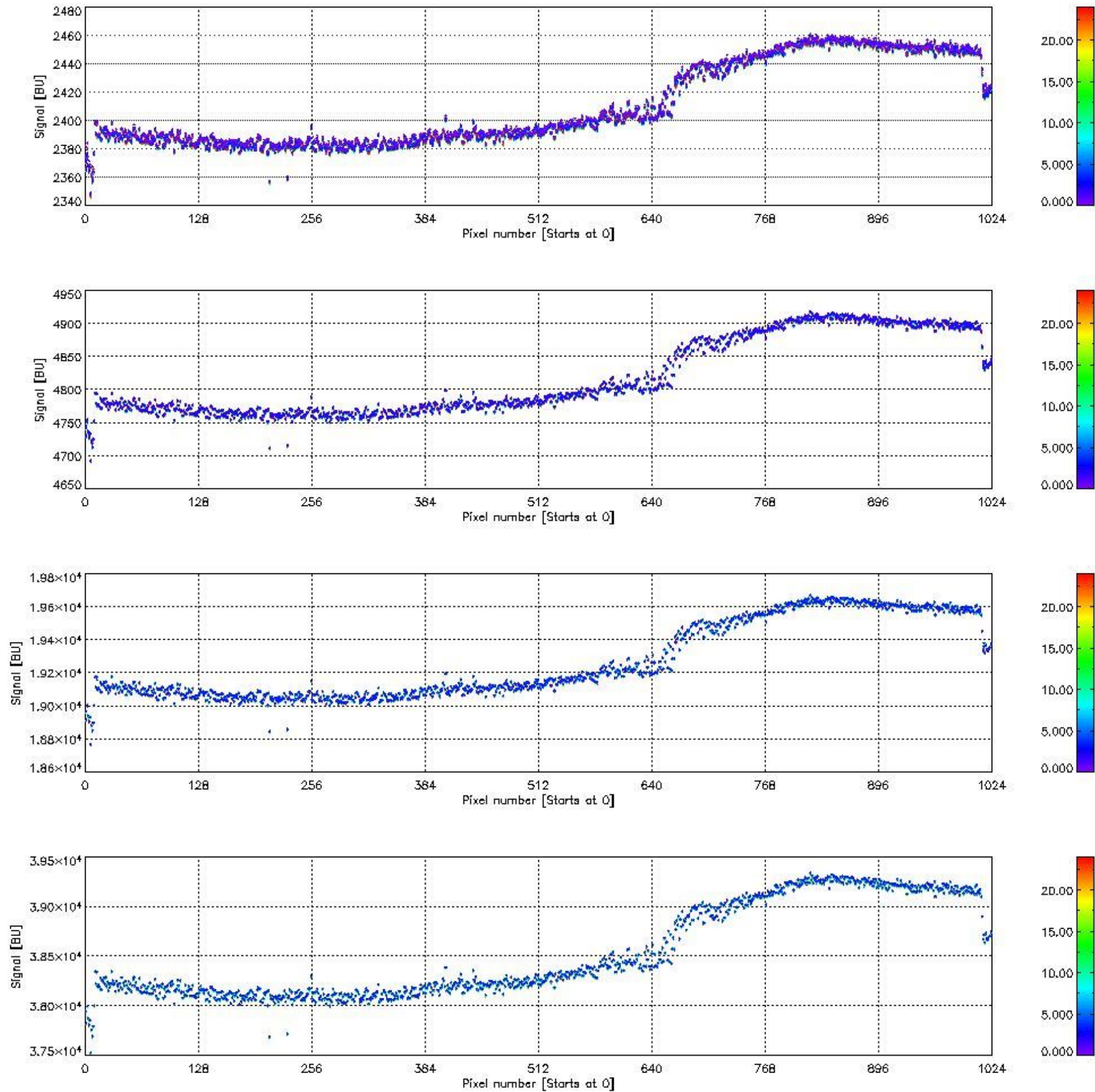
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_1.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 3 on 05APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 05APR2008 00:00:00



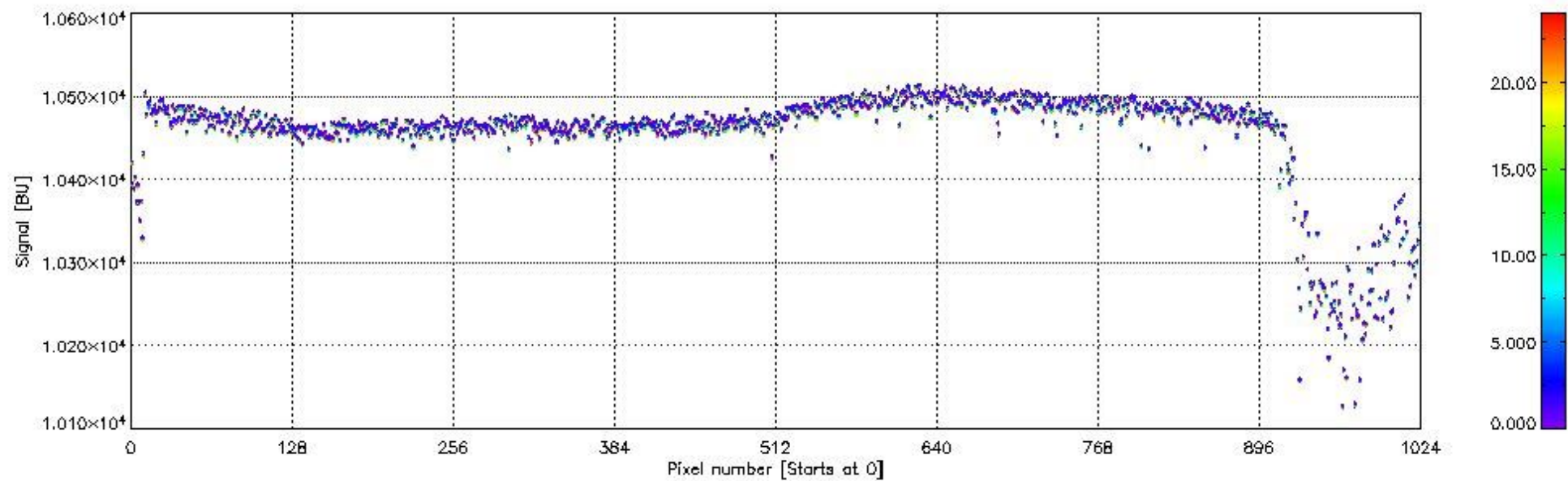
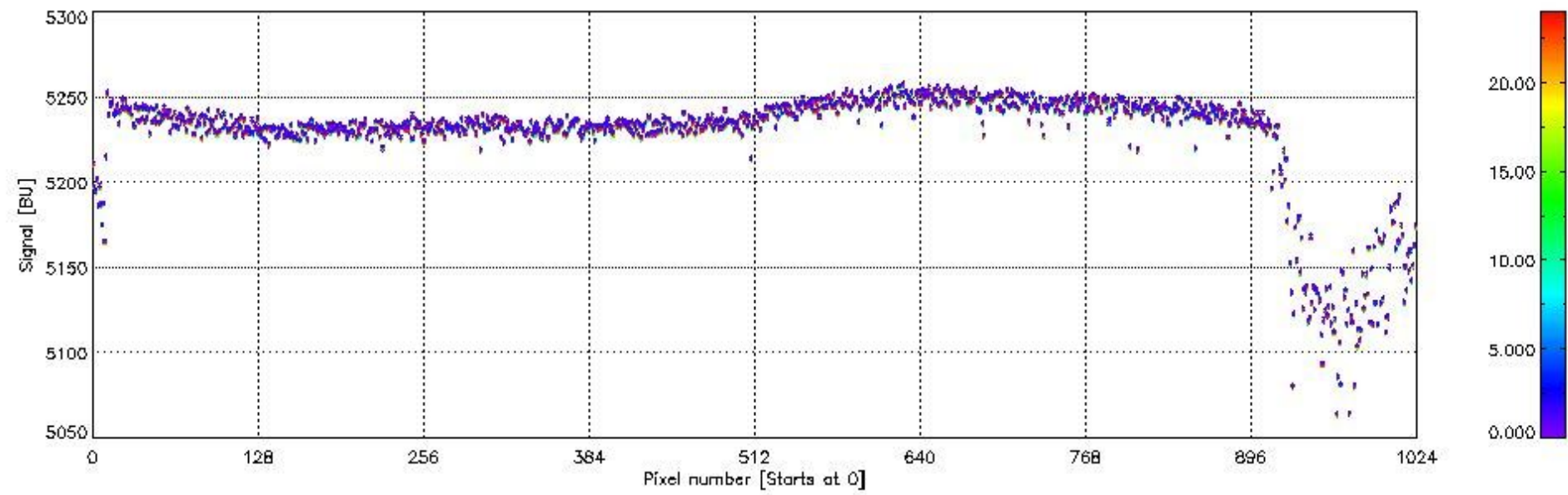
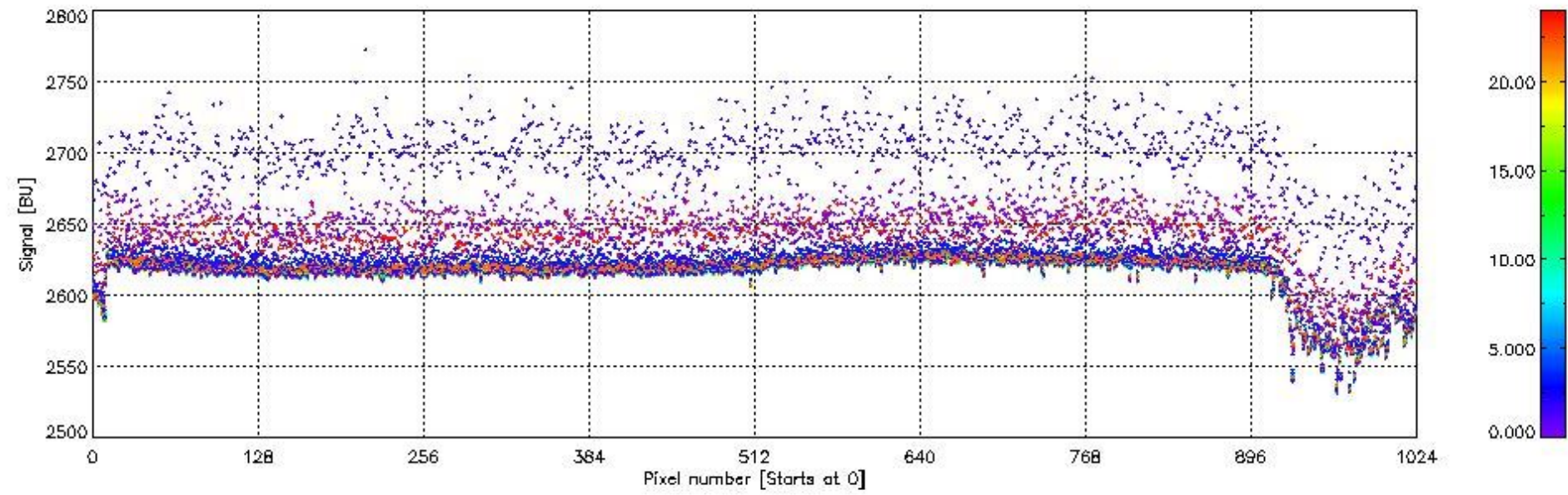
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_2.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 4 on 05APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 05APR2008 00:00:00



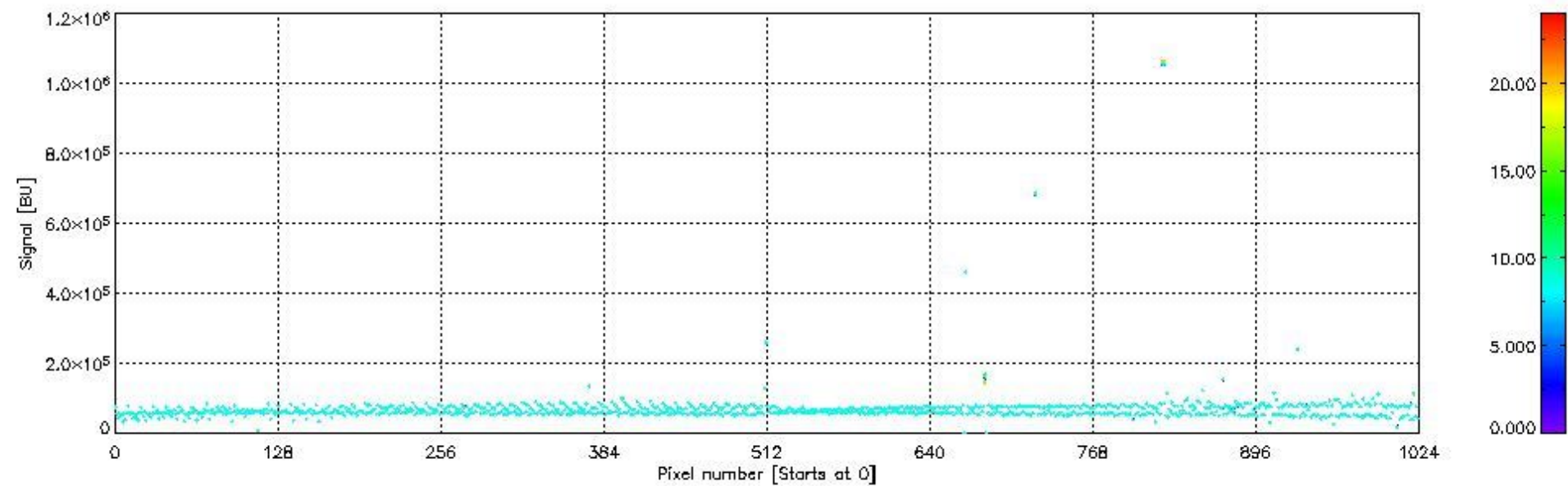
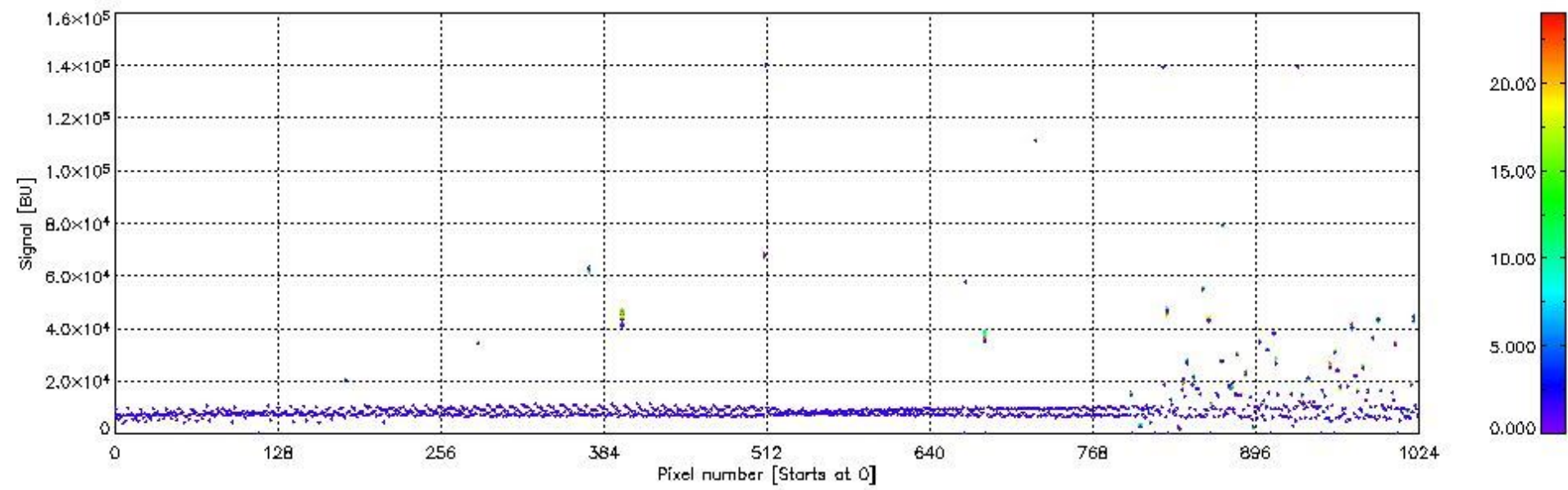
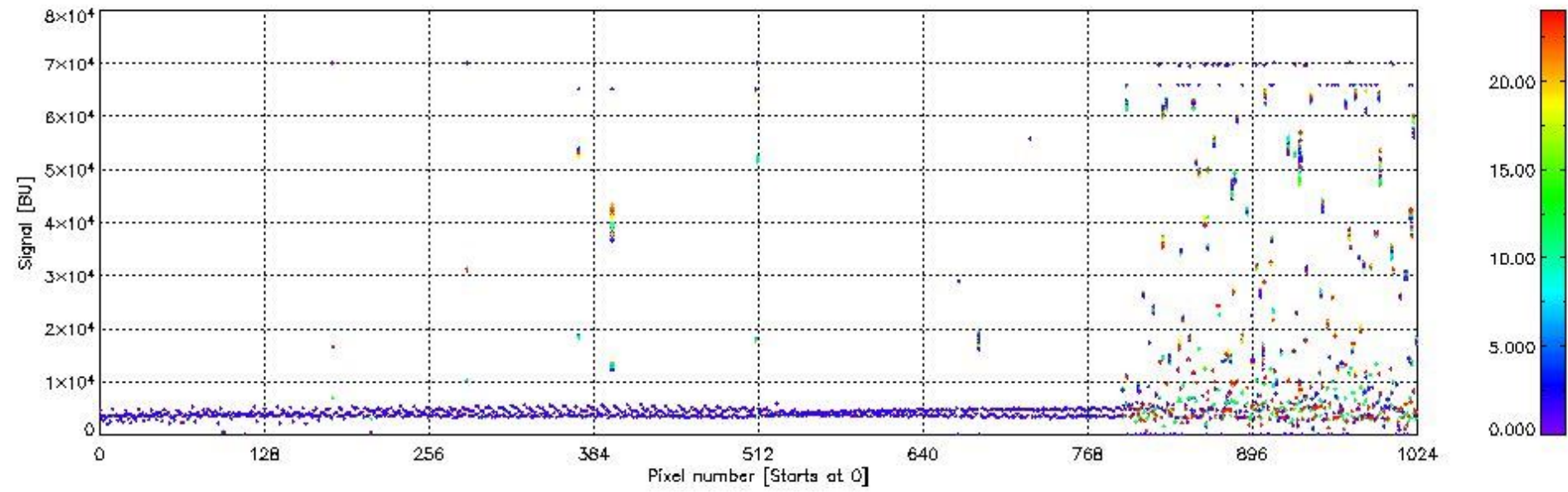
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_3.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 5 on 05APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 05APR2008 00:00:00



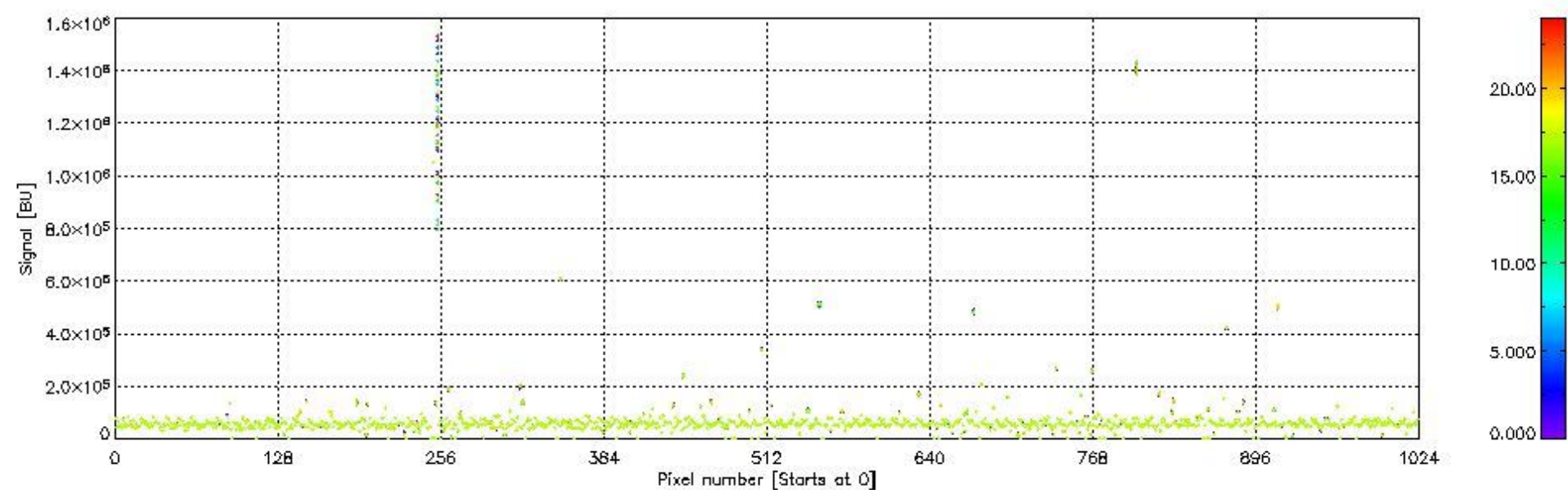
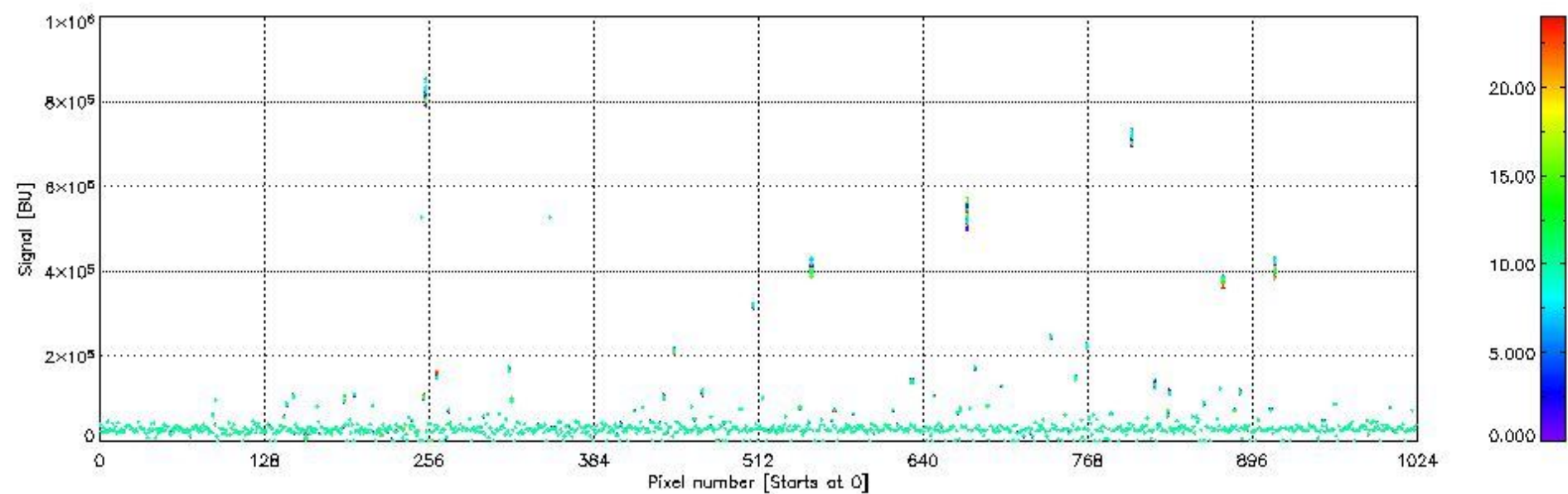
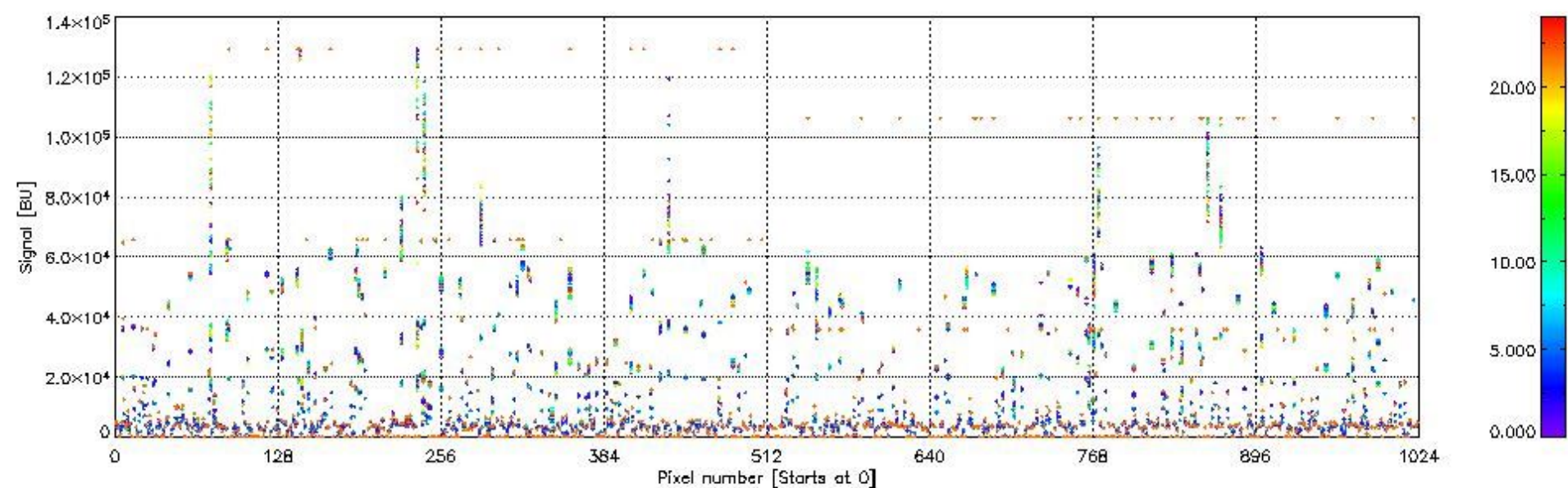
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_4.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 6 on 05APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 05APR2008 00:00:00



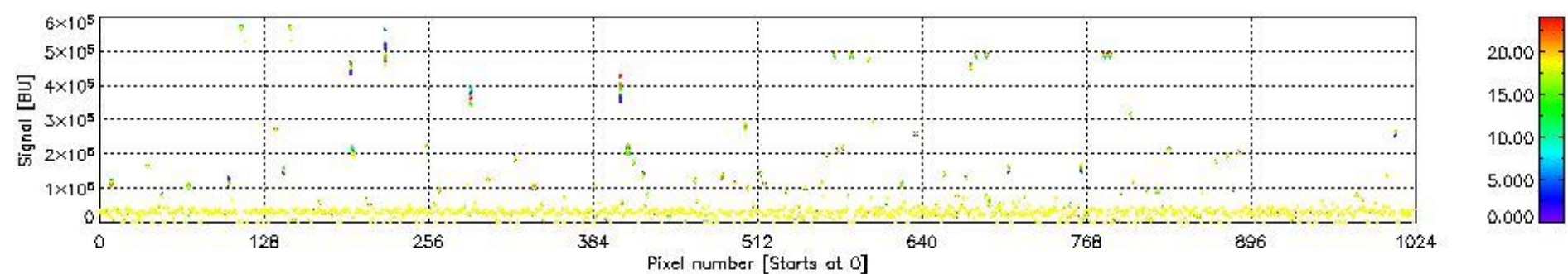
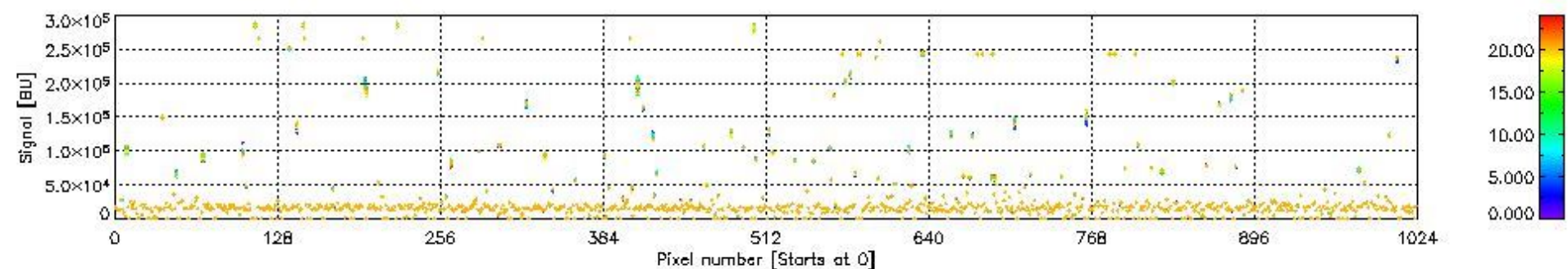
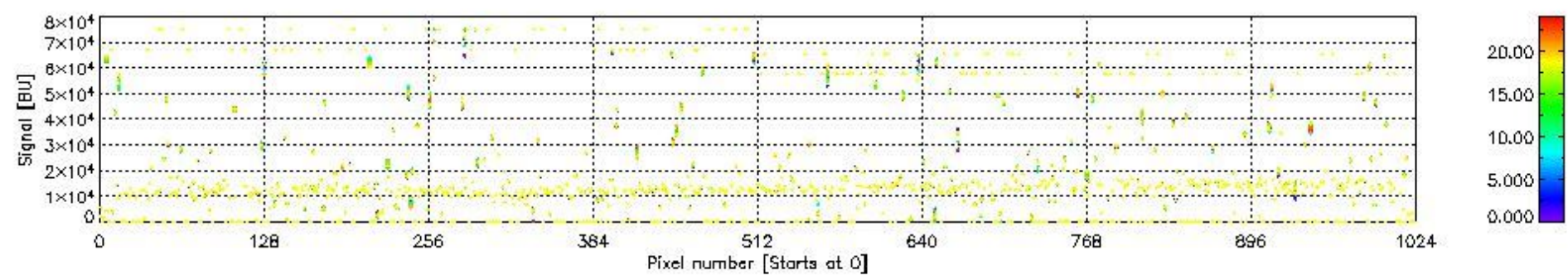
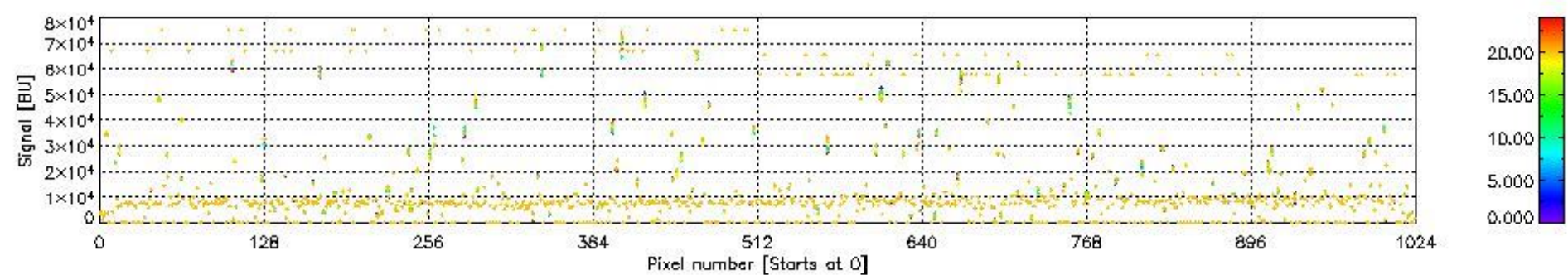
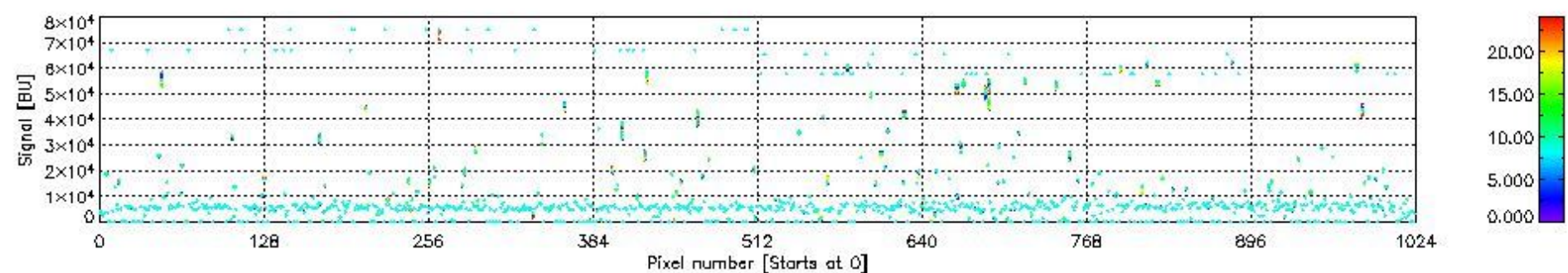
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_5.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 7 on 05APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 05APR2008 00:00:00



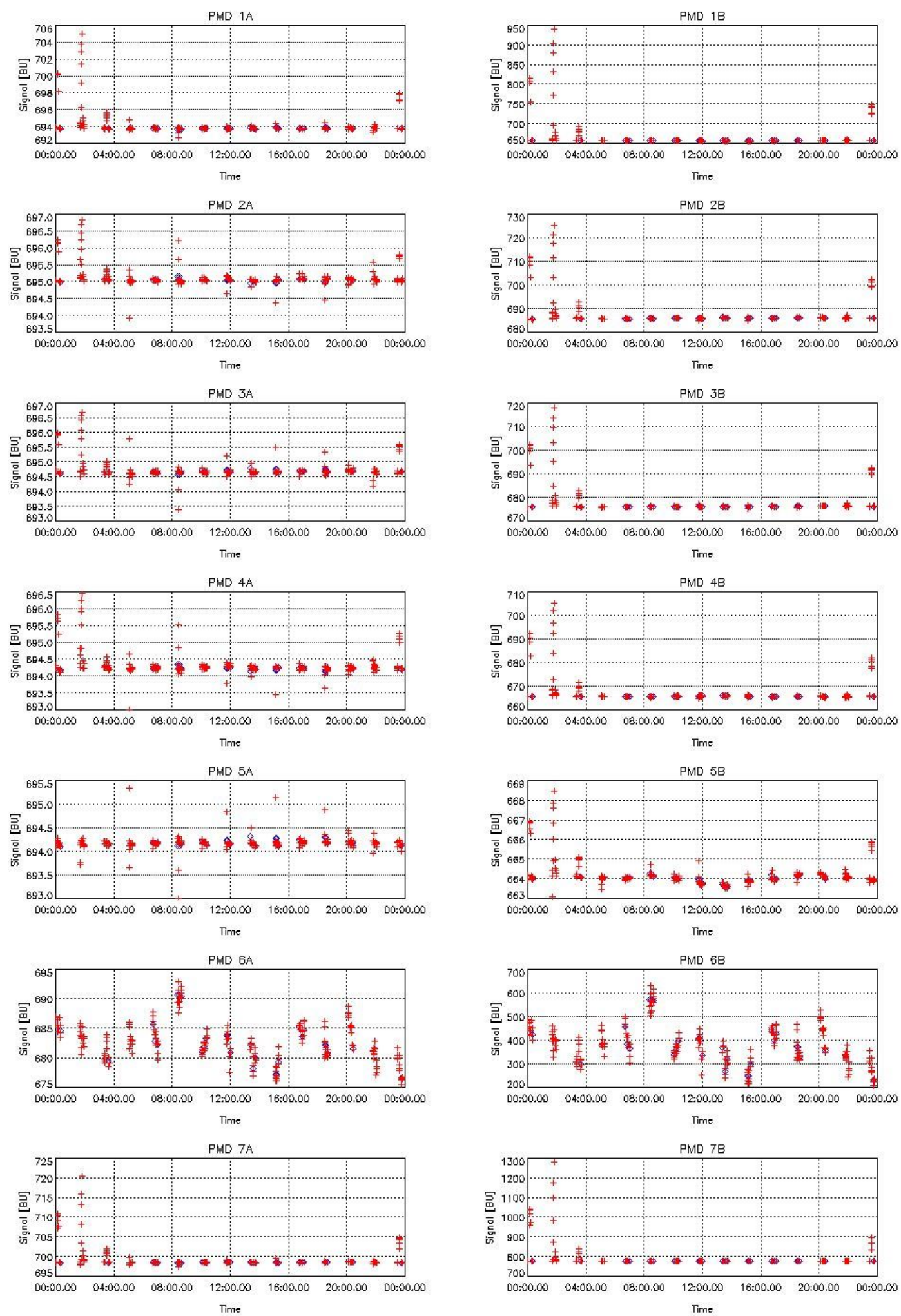
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_6.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 8 on 05APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 05APR2008 00:00:00

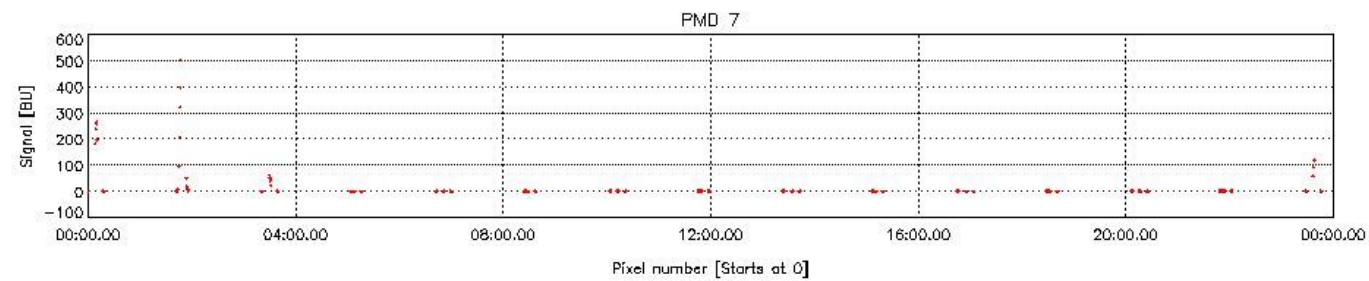
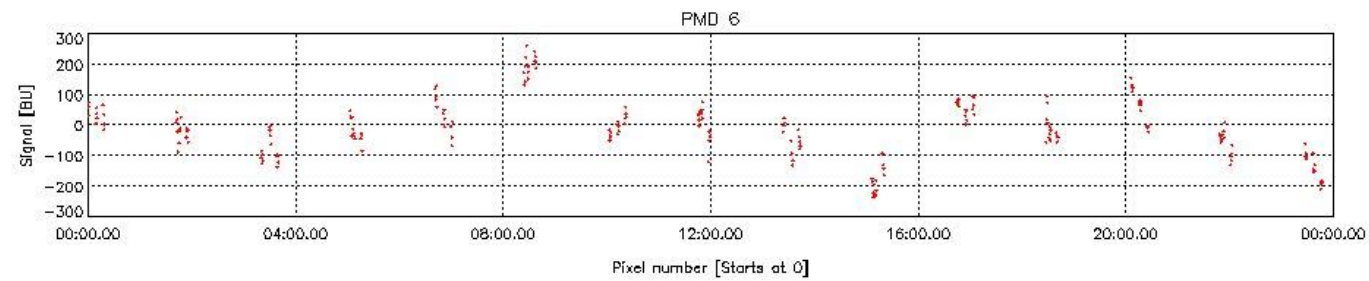
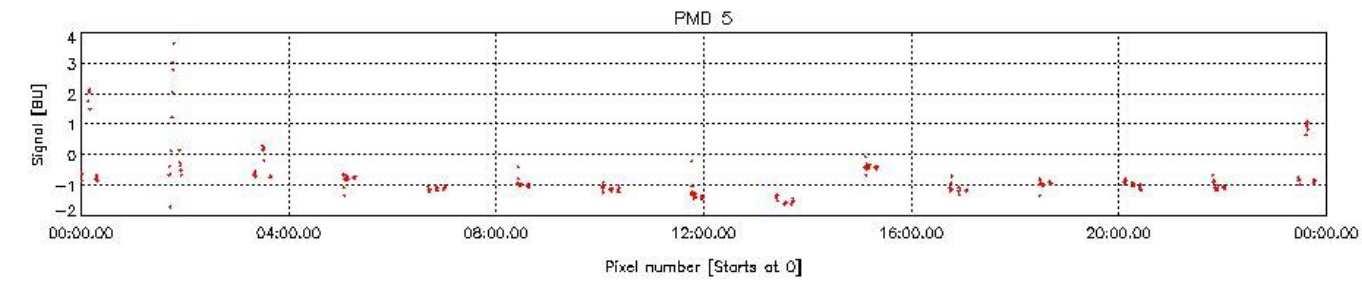
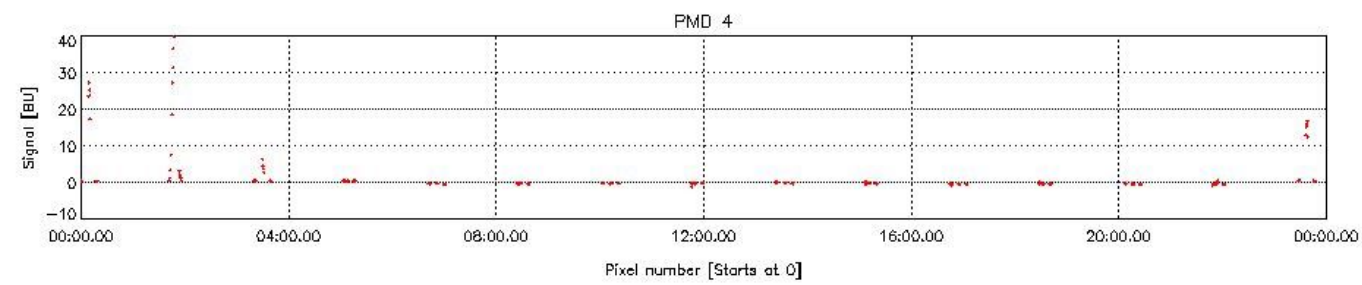
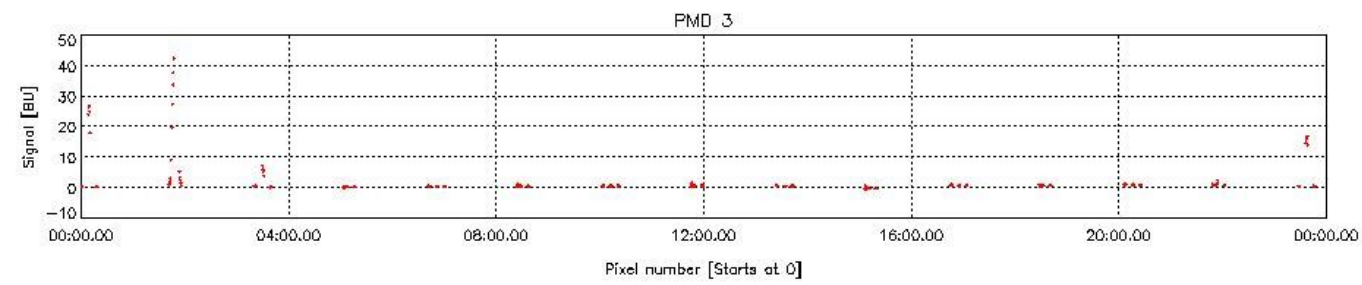
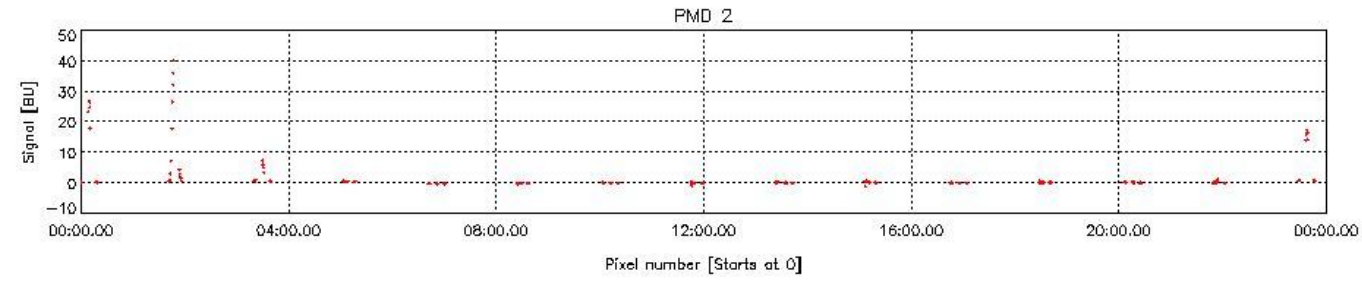
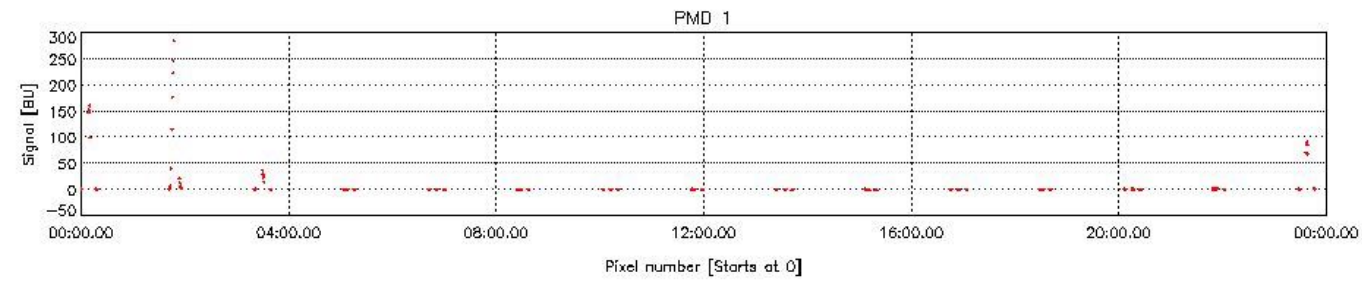


sciamachy_daily_report_level1_SCIA_6_03_N_20080405_7.PNG

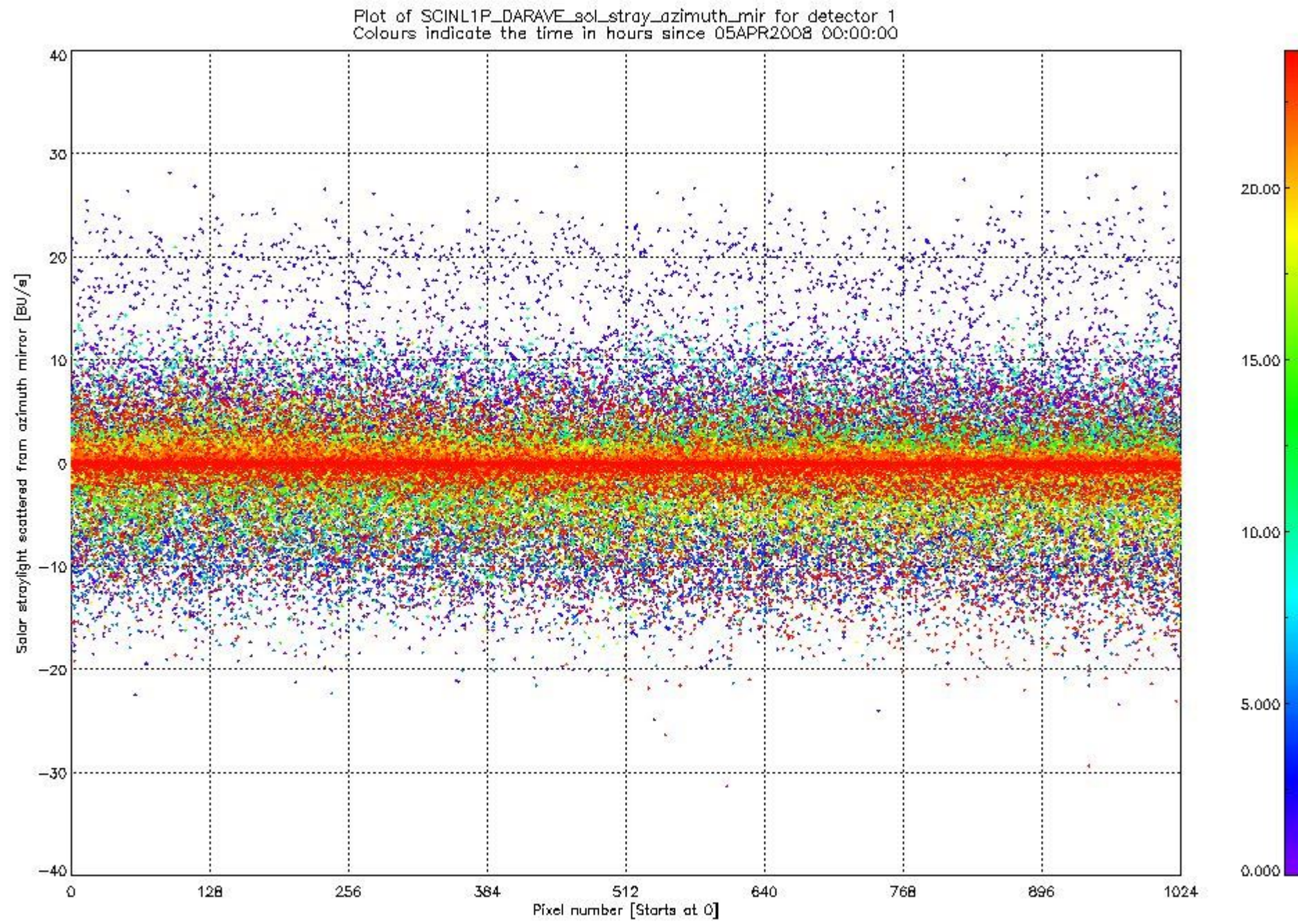
Plots of SCINL1P_DARAVE_pmd_dark_offset vs time on 05APR2008 (red).
New leakage current offset data is given in blue for comparison.



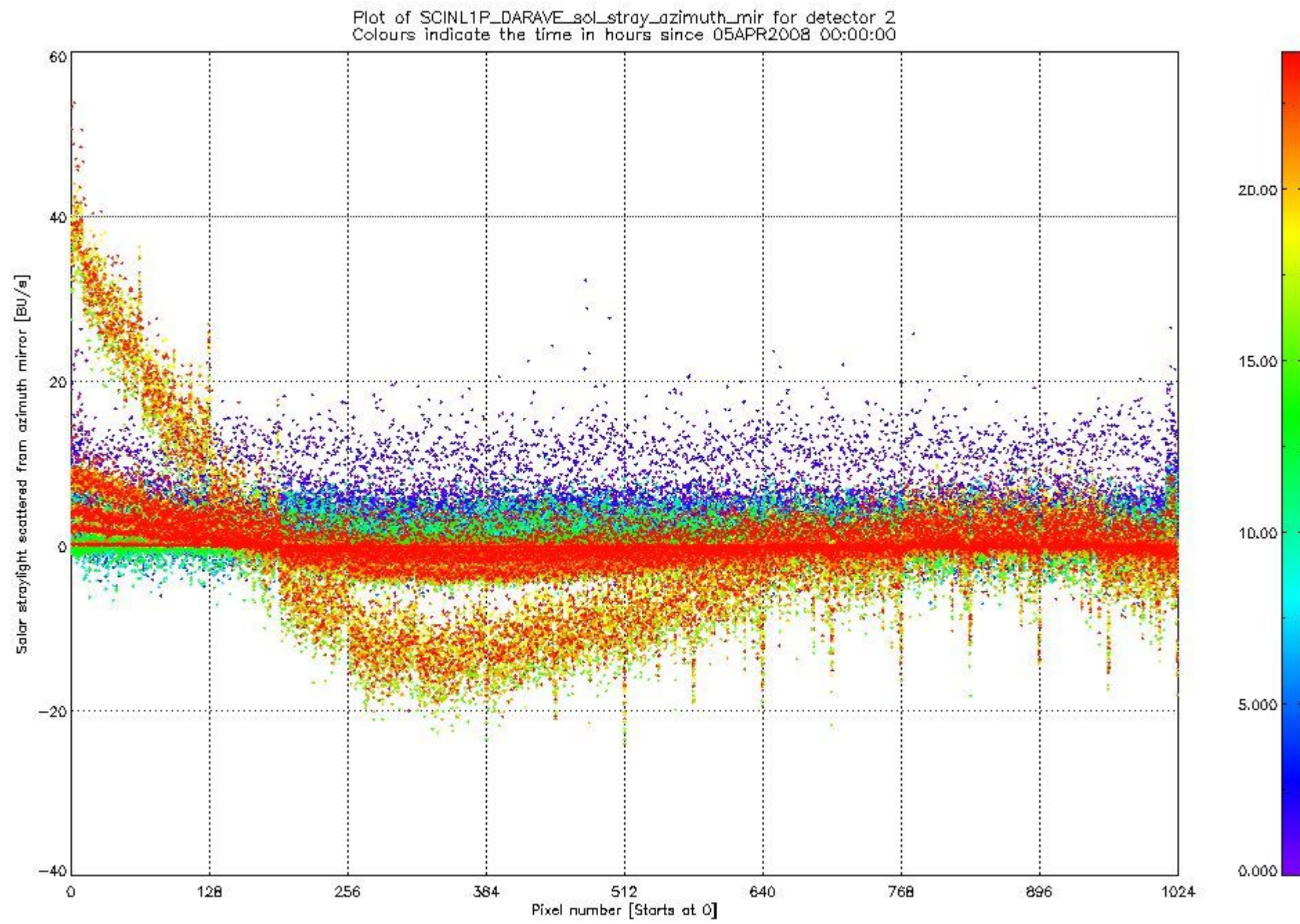
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_8.PNG



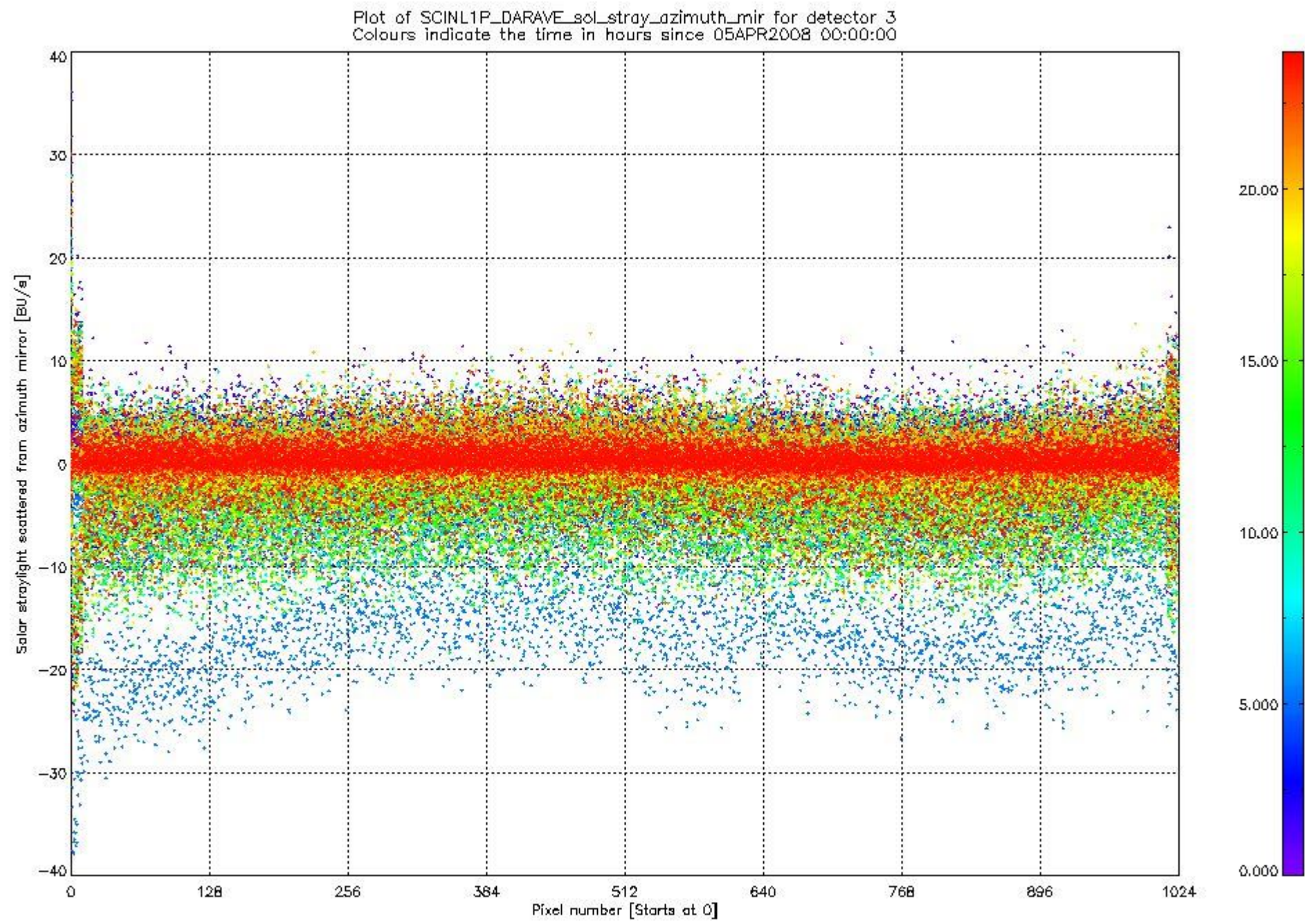
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_9.PNG



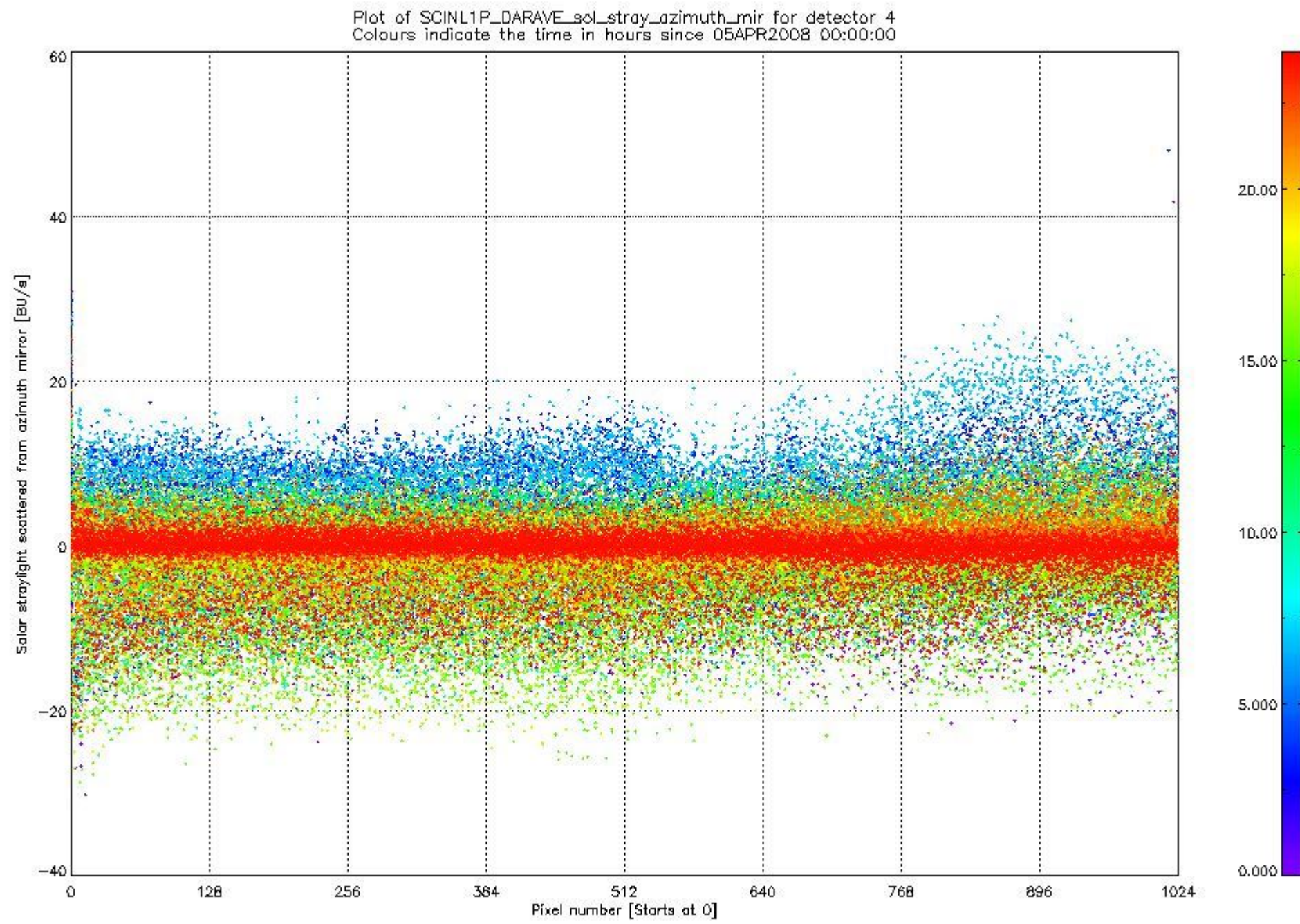
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_10.PNG



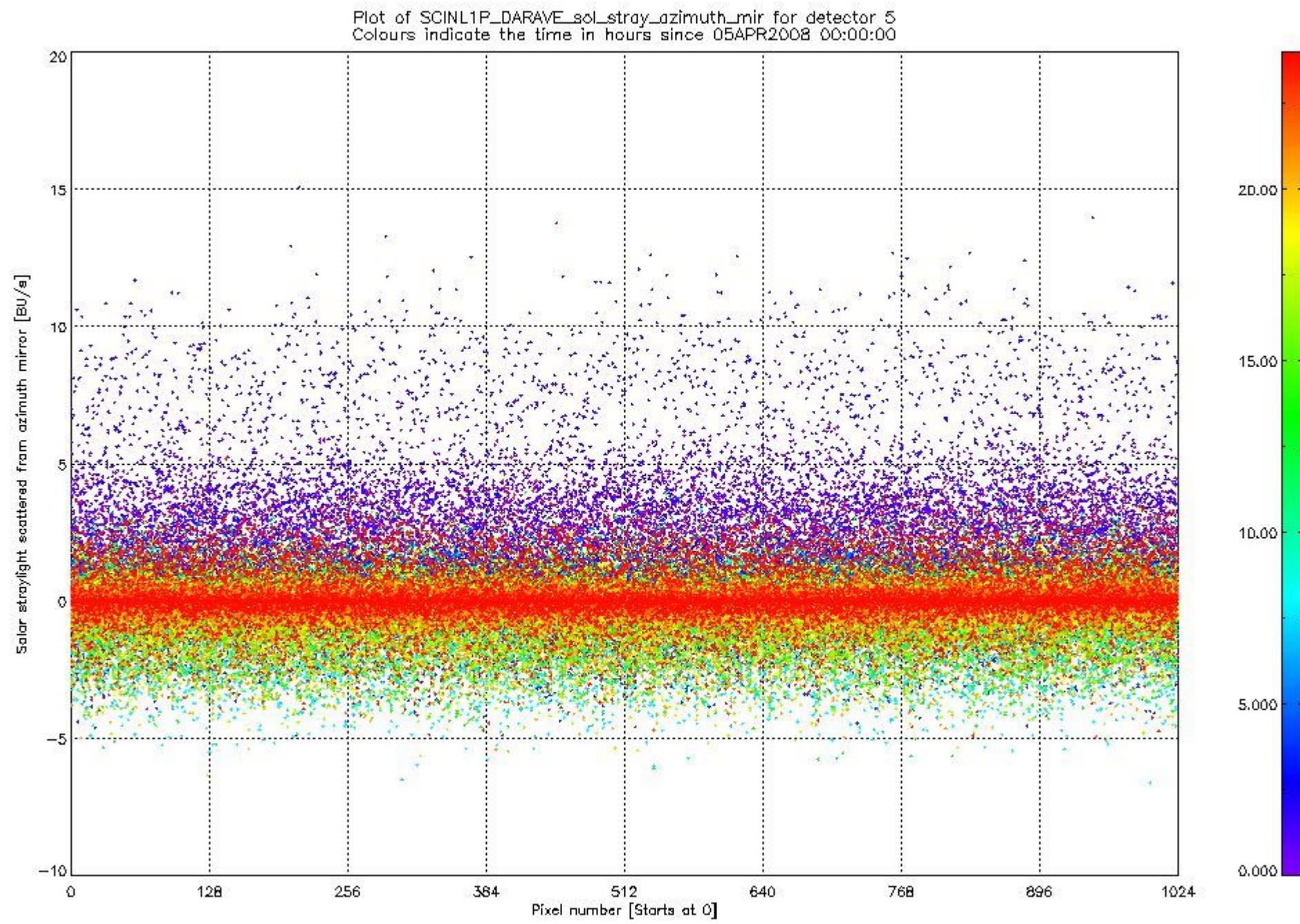
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_11.PNG



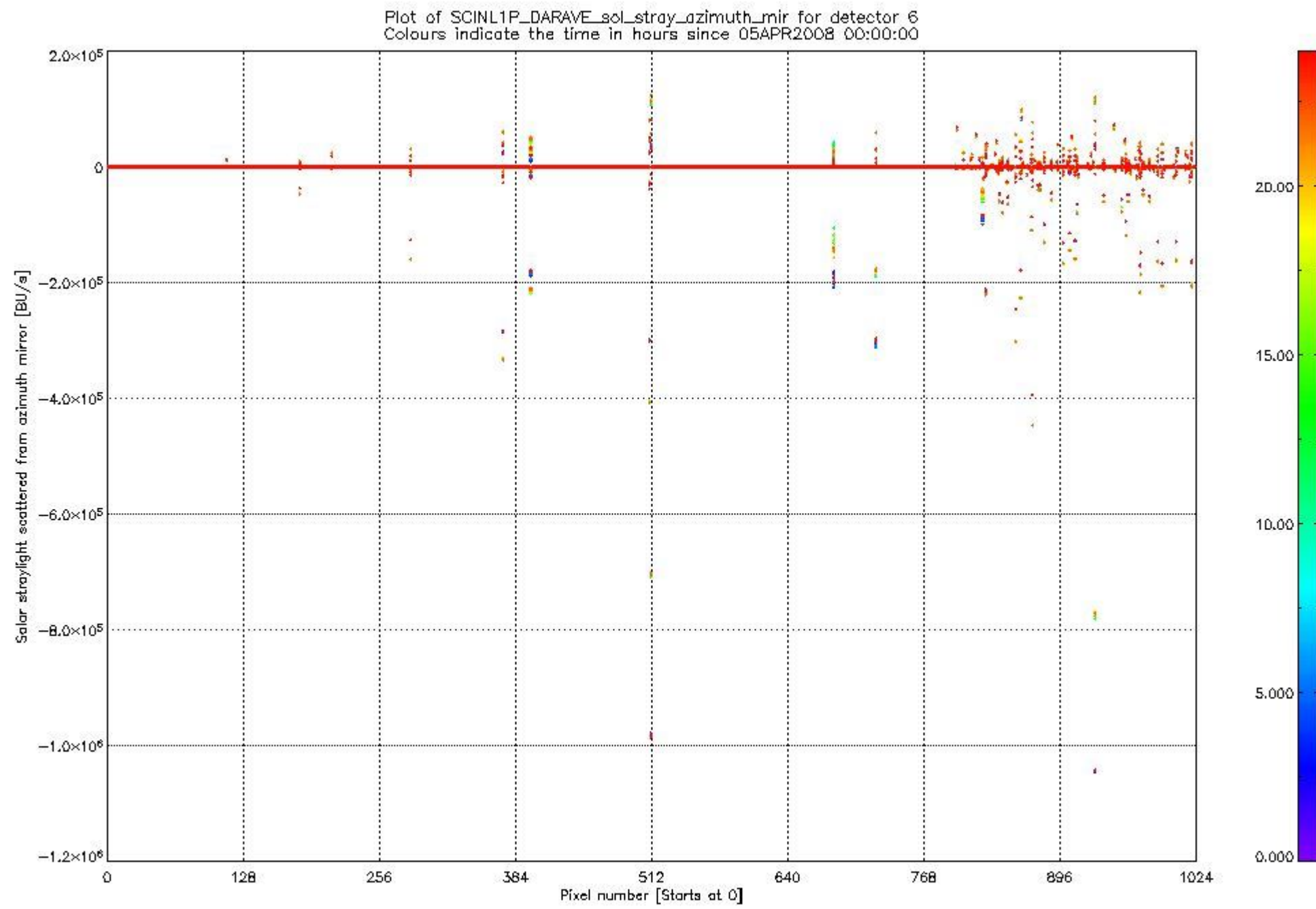
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_12.PNG



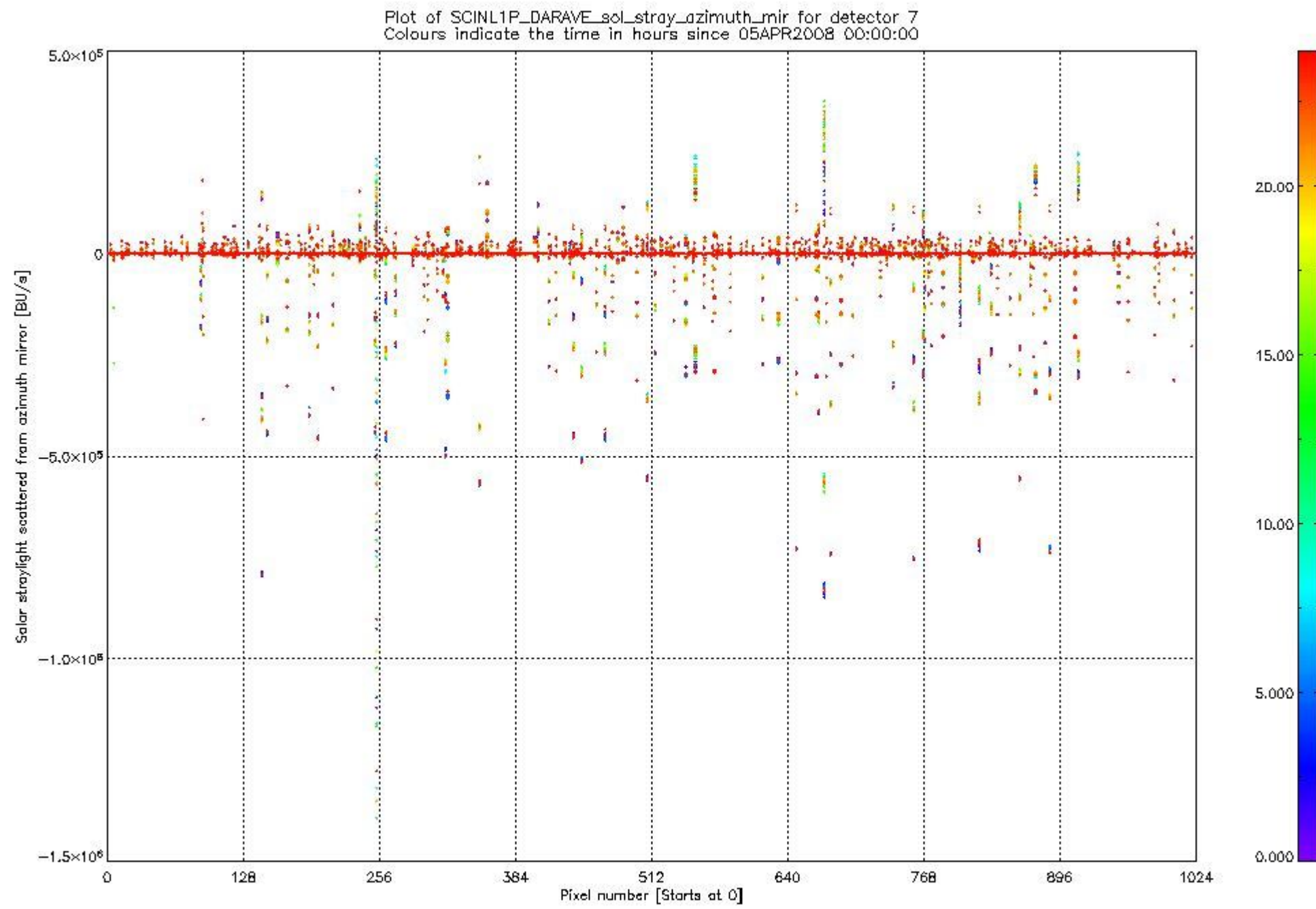
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_13.PNG



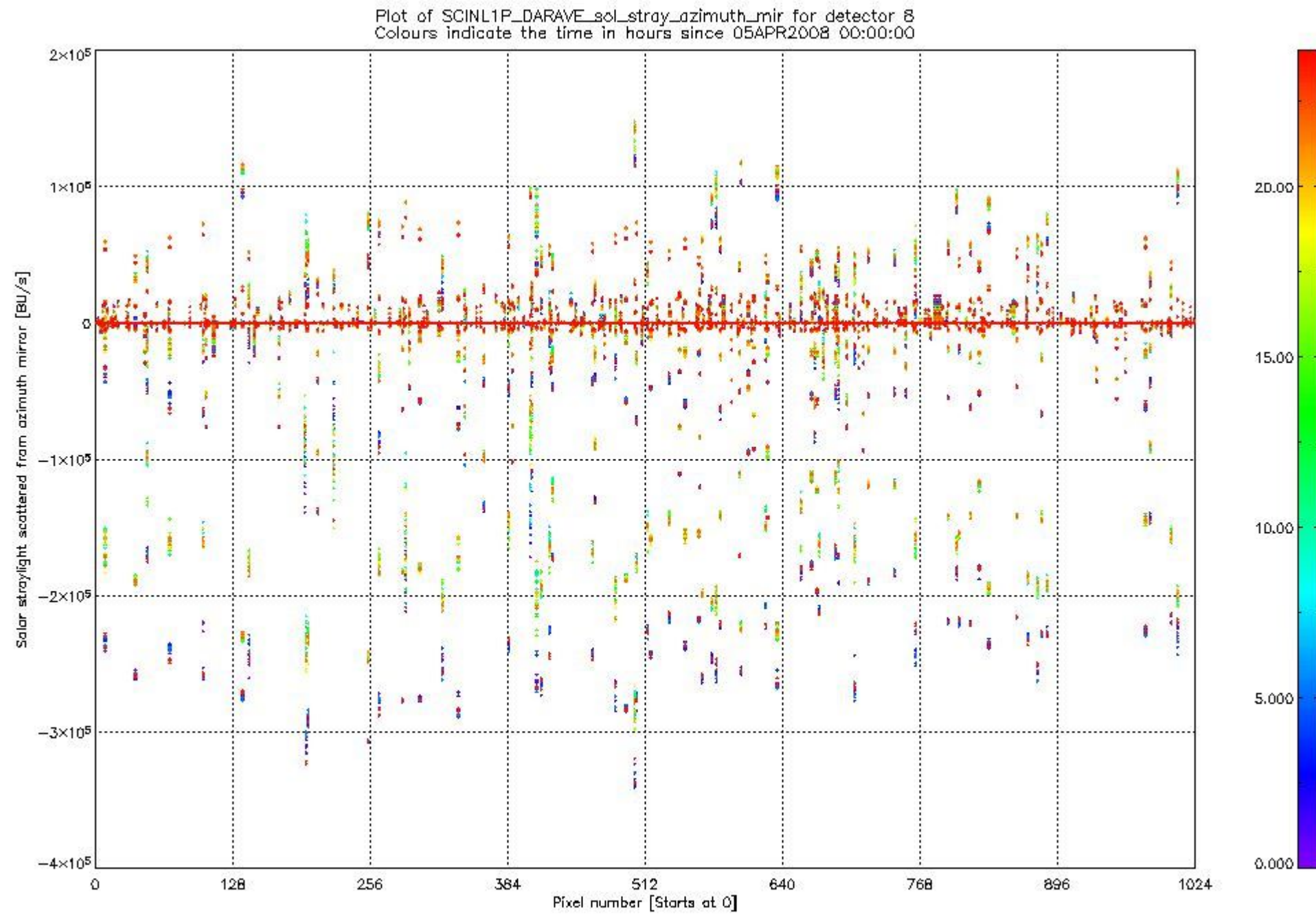
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_14.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080405_15.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080405_16.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080405_17.PNG

1.2.2 New leakage current parameters

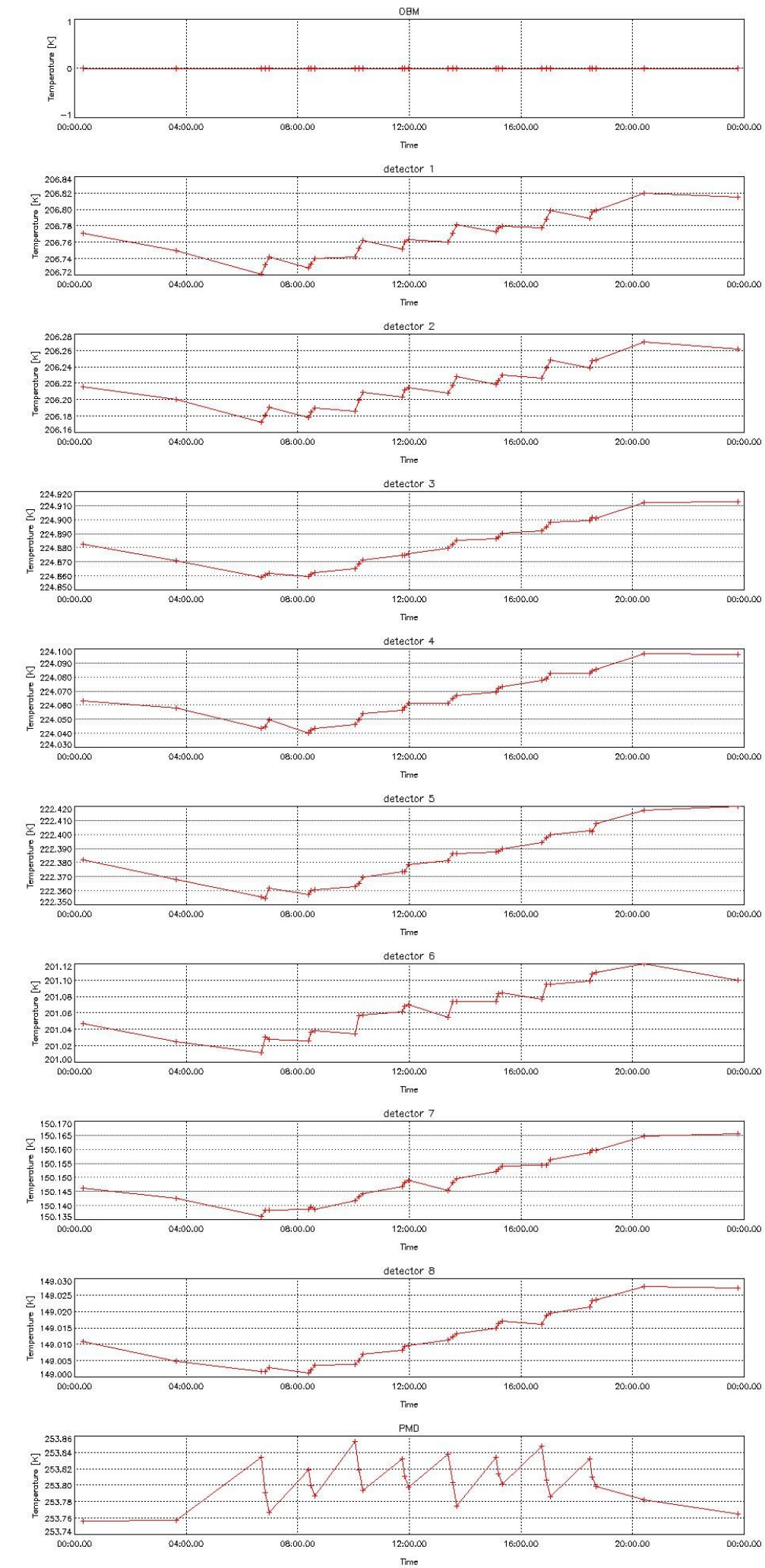
This section lists properties of the new leakage current data within the processing scope.

The following table shows the new leakage measurement data characteristics.

#	dsr_time	attach	orb_phase
0	05APR2008 00:17:57	1	0.324000
1	05APR2008 03:39:08	1	0.323667
2	05APR2008 06:41:05	1	0.140200
3	05APR2008 06:50:26	1	0.232800
4	05APR2008 06:59:02	1	0.318600
5	05APR2008 08:23:53	1	0.173000
6	05APR2008 08:28:51	1	0.239250
7	05APR2008 08:37:14	1	0.287000
8	05APR2008 10:02:16	1	0.140200
9	05APR2008 10:11:36	1	0.232800

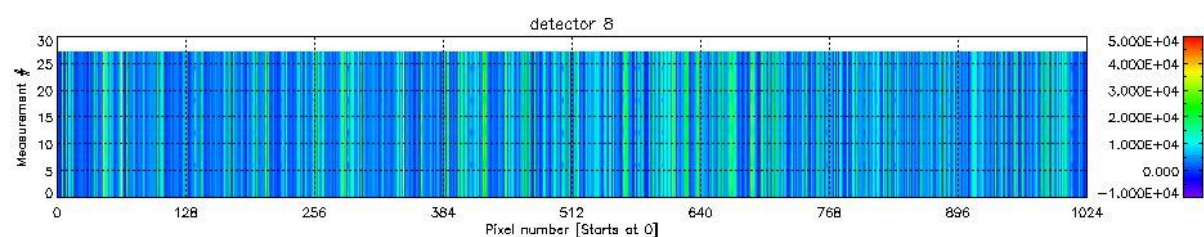
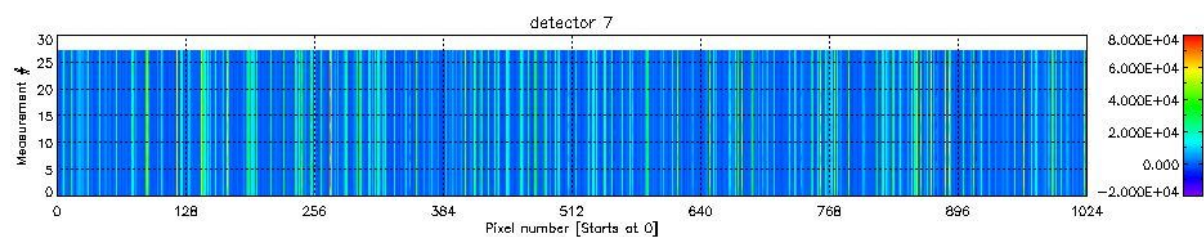
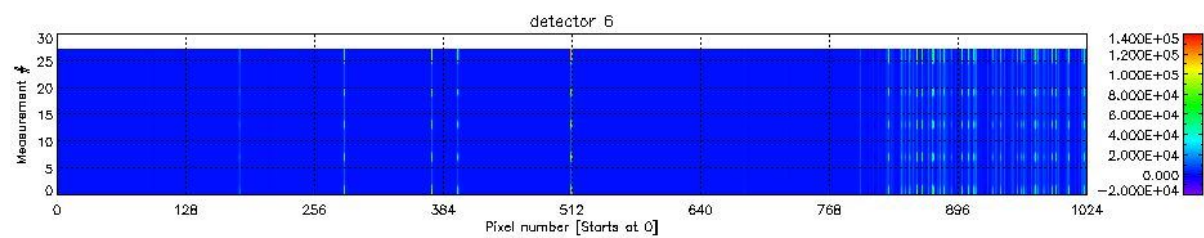
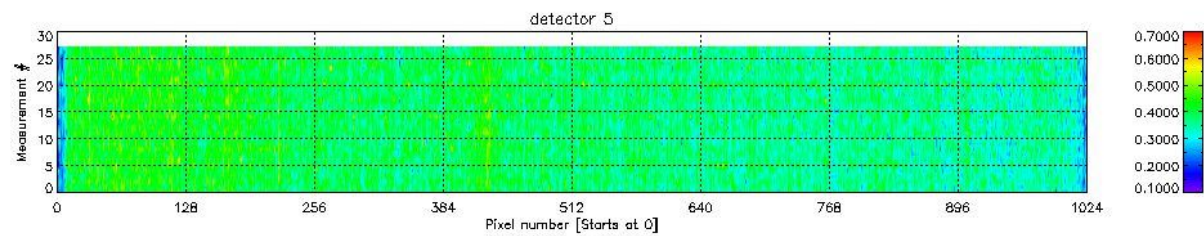
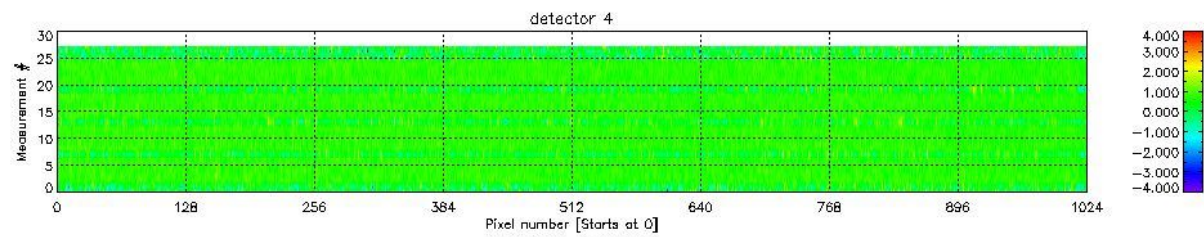
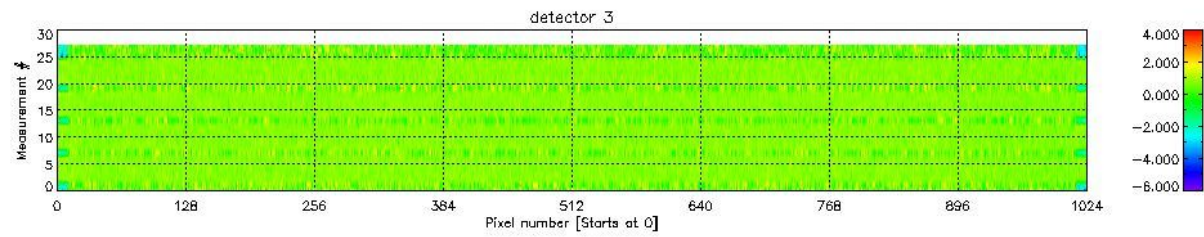
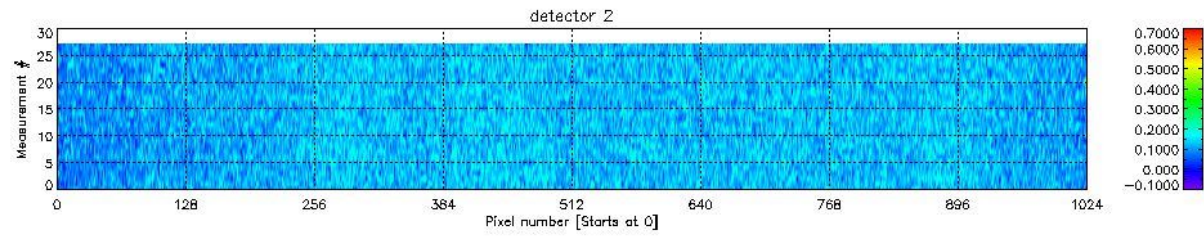
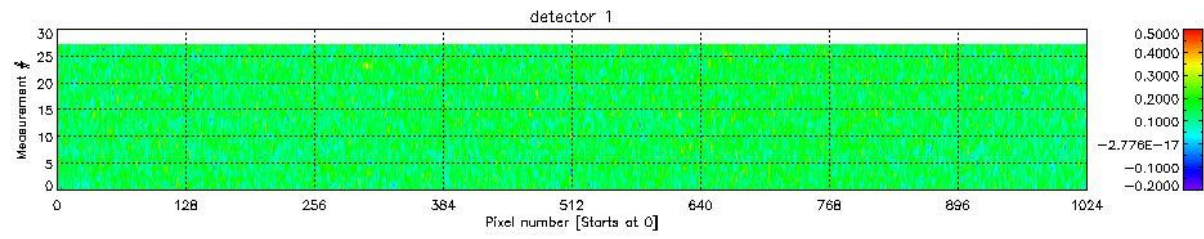
10	05APR2008 10:20:13	1	0.318600
11	05APR2008 11:45:04	1	0.173000
12	05APR2008 11:50:02	1	0.239250
13	05APR2008 11:58:25	1	0.287000
14	05APR2008 13:23:27	1	0.140000
15	05APR2008 13:32:47	1	0.232800
16	05APR2008 13:41:23	1	0.318600
17	05APR2008 15:06:14	1	0.173000
18	05APR2008 15:11:13	1	0.239500
19	05APR2008 15:19:35	1	0.287000
20	05APR2008 16:44:38	1	0.139800
21	05APR2008 16:53:58	1	0.232800
22	05APR2008 17:02:34	1	0.318400
23	05APR2008 18:27:25	1	0.173000
24	05APR2008 18:32:24	1	0.239250
25	05APR2008 18:40:46	1	0.287000
26	05APR2008 20:25:02	1	0.323667
27	05APR2008 23:46:13	1	0.323667

Plots of SCINL1P_NEWLEA_obm_det_pmd temperatures vs time on 05APR2008.



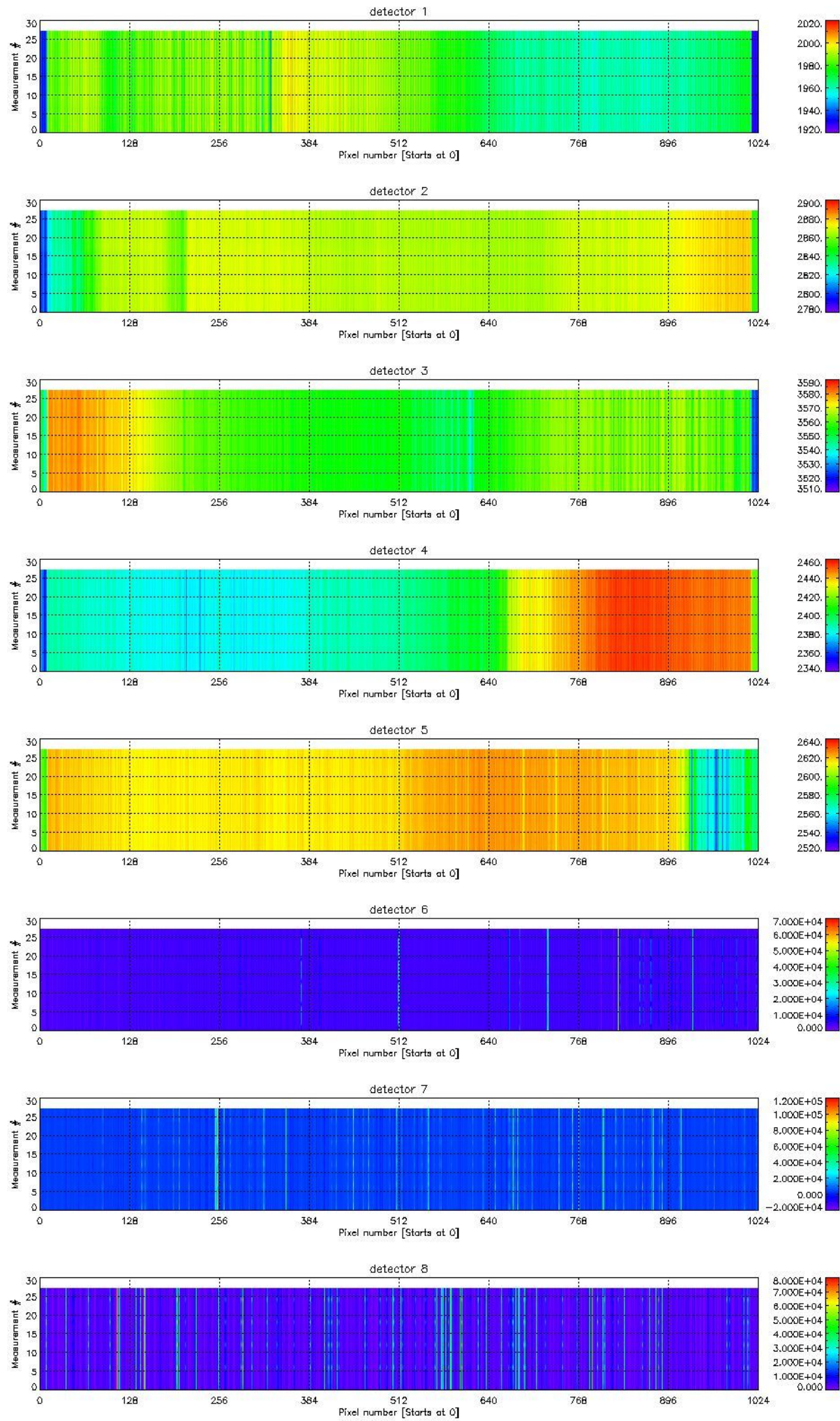
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_18.PNG

Plots of SCINLP_NEWLEA_leak_cur for various detectors on 05APR2008.
Colours indicate the value in BU/s.



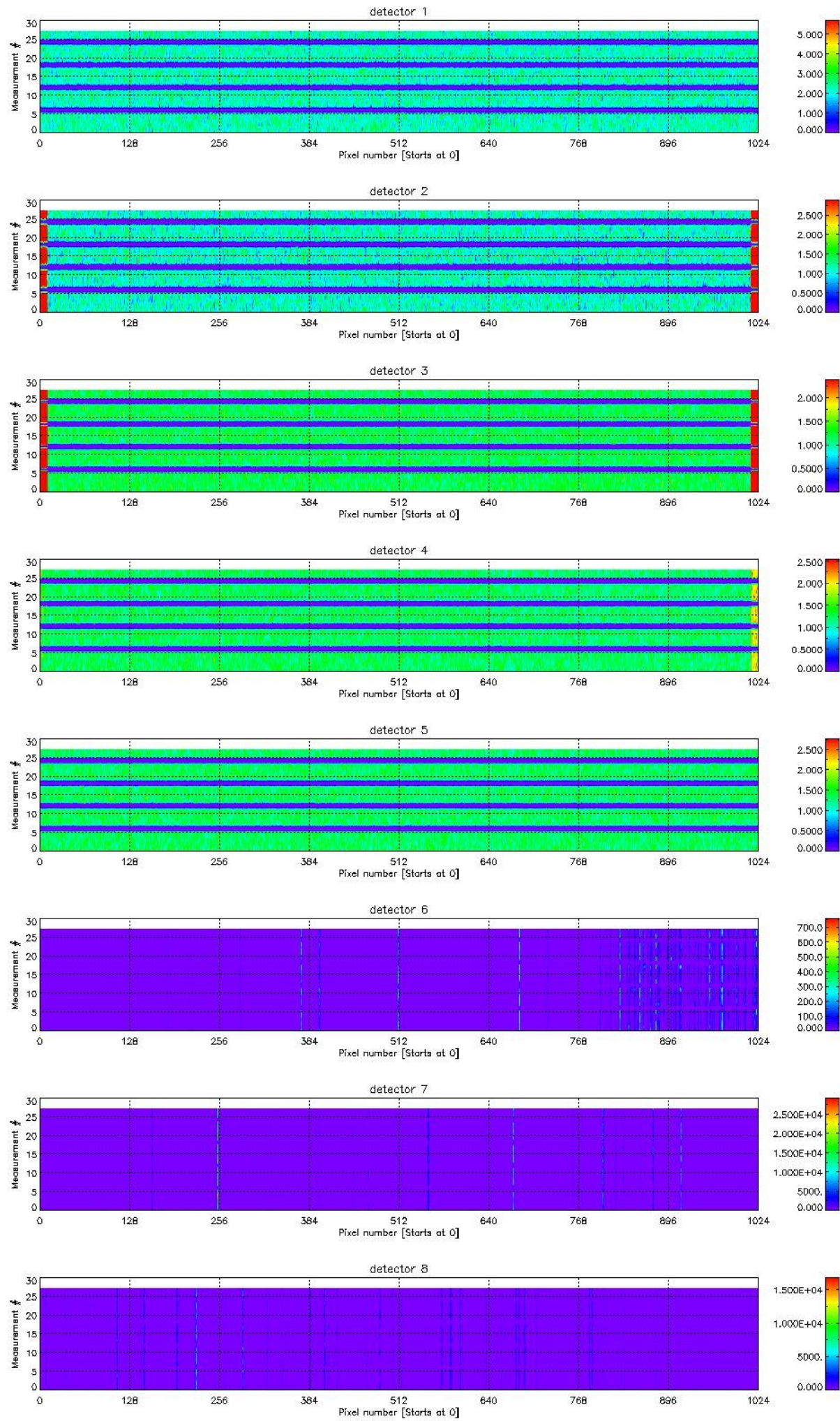
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_19.PNG

Plots of SCINLP_NEWLEA_fpn for various detectors on 05APR2008.
Colours indicate the value in BU.



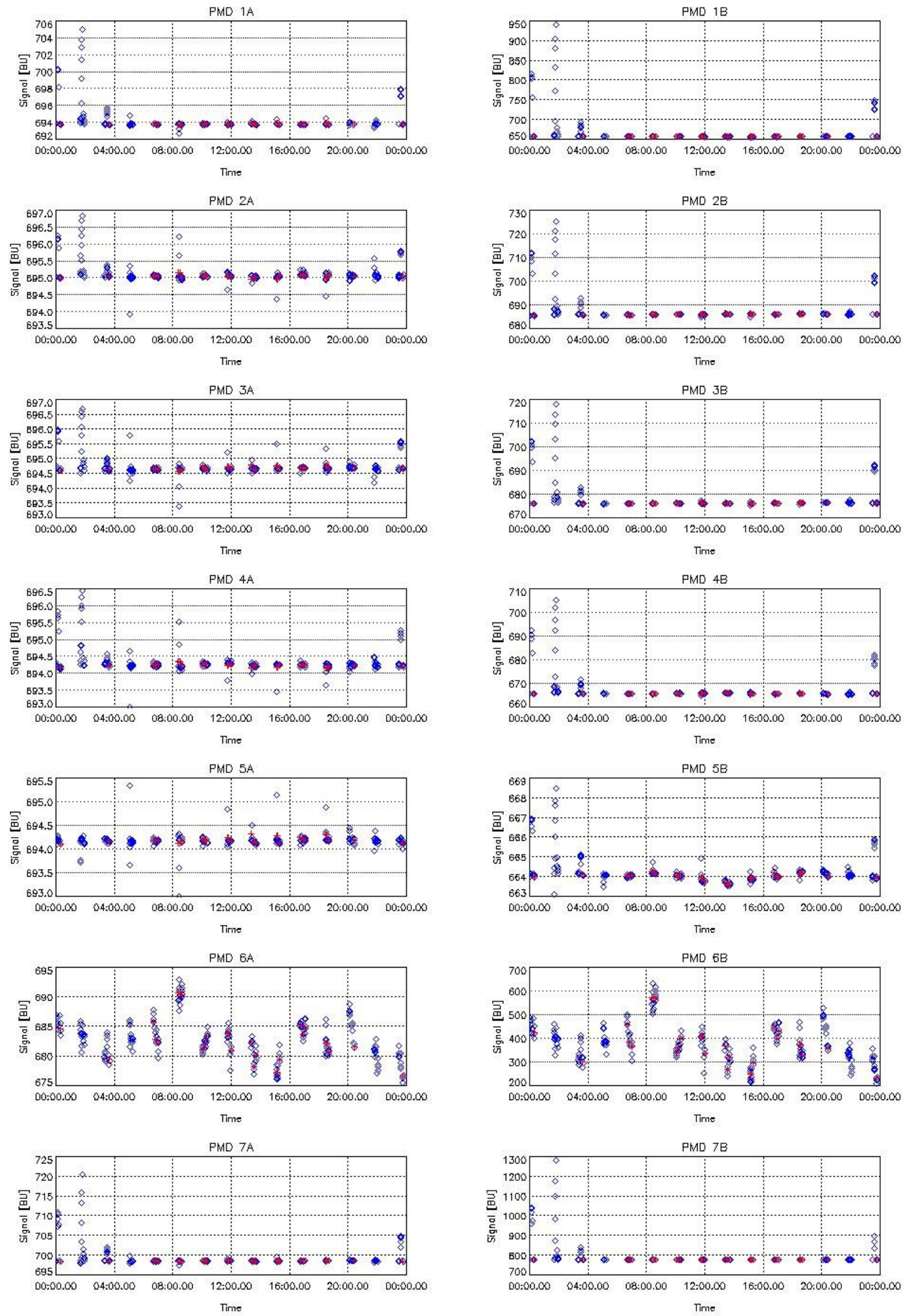
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_20.PNG

Plots of SCINL1P_NEWLEA_mean_noise for various detectors on 05APR2008.
Colours indicate the value in BU.



sciamachy_daily_report_level1_SCIA_6_03_N_20080405_21.PNG

Plots of SCINL1P_NEWLEA_pmd_off vs time on 05APR2008 (red).
Dark average pmd data is given in blue for comparison.



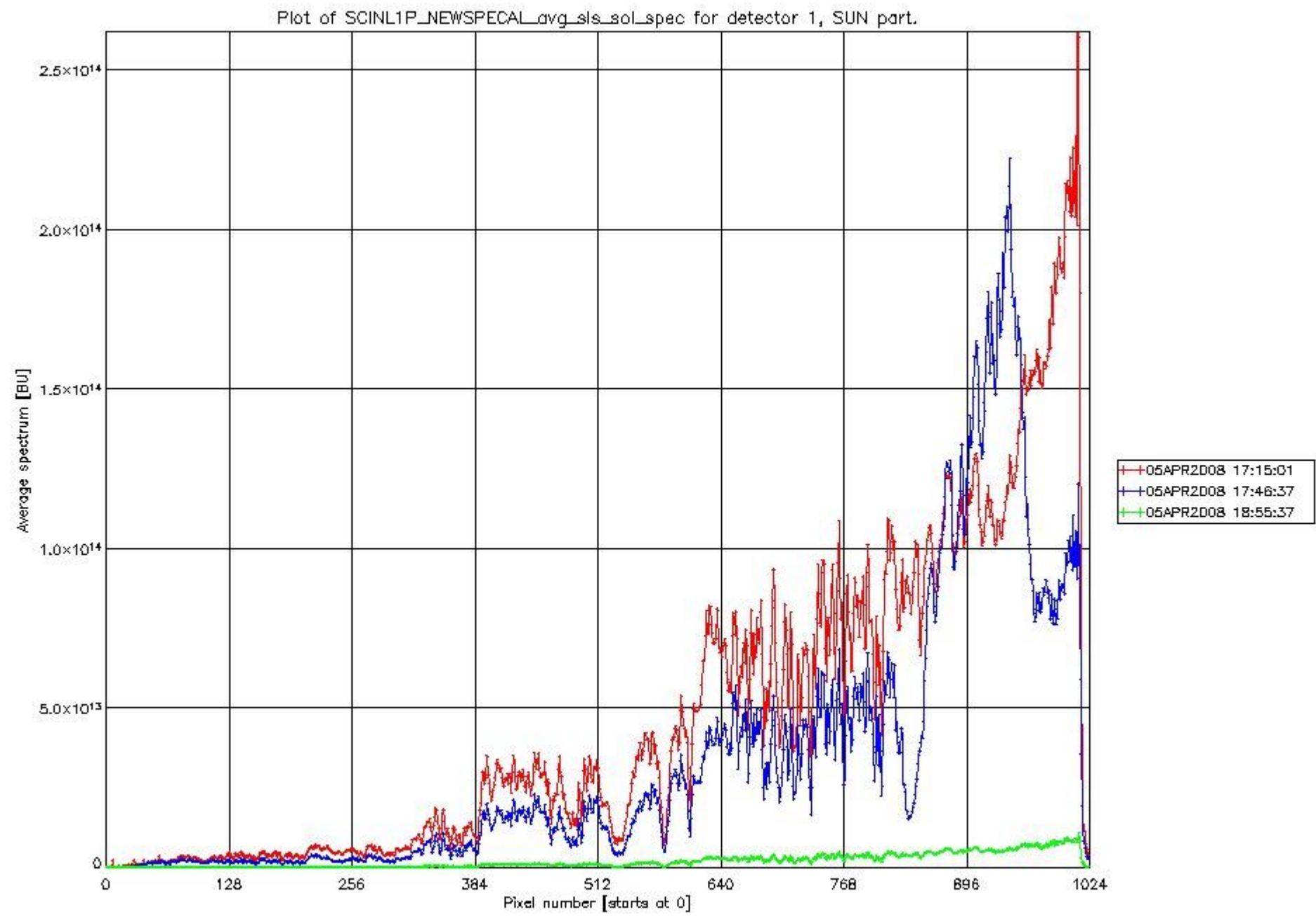
1.2.3 Spectral calibration parameters

This section lists properties of the new spectral calibrations found within the processing scope.

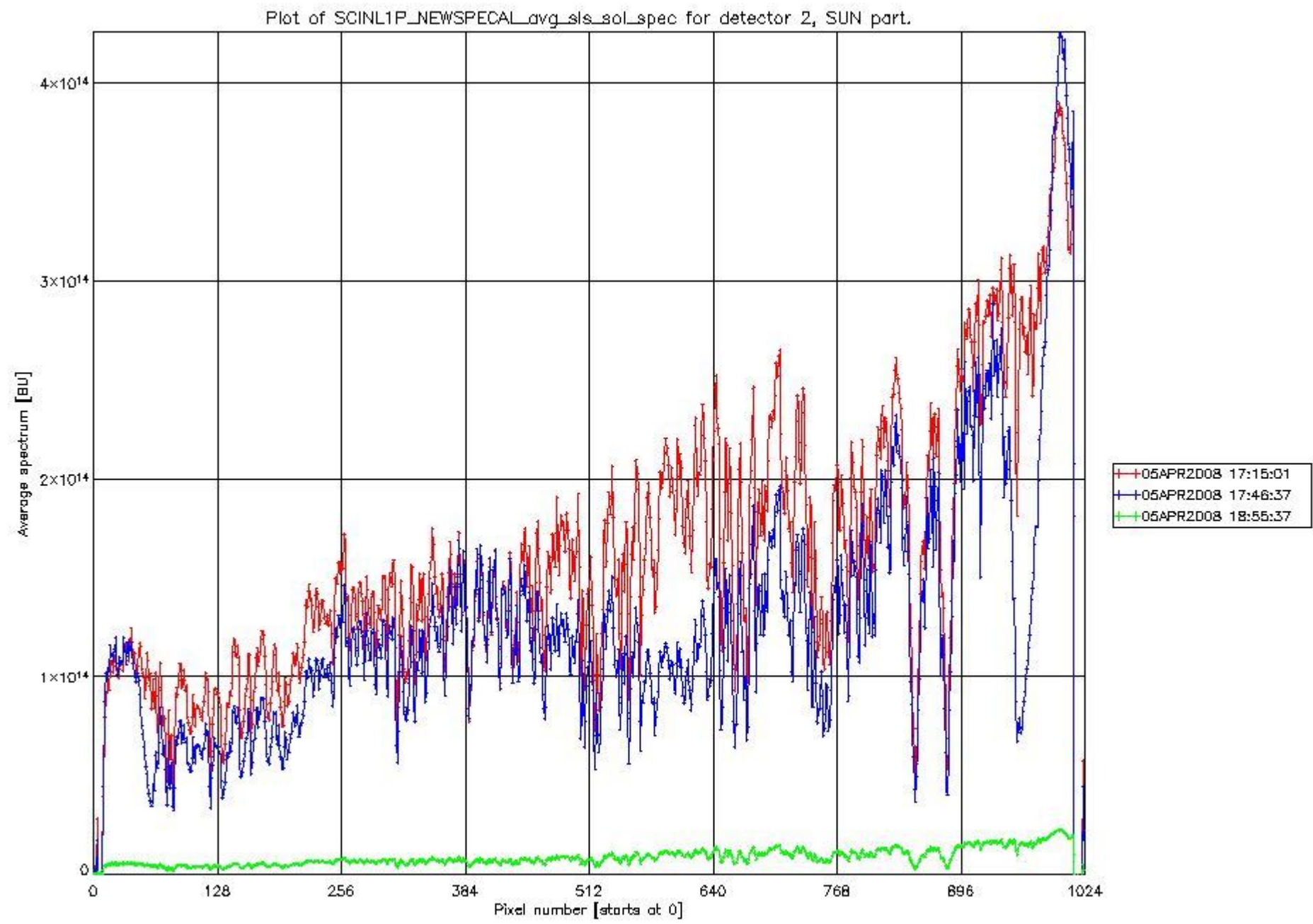
The following table lists general properties of the spectral calibration.

#	dsr_time	attach	orb_phase	source	#lines	cal_error [nm]	coeff[0]	coeff[1]	coeff[2]	coeff[3]	coeff[4]
0	05APR2008 17:15:01	0	0.430000	SUN	3	0.00117717	0.046851497	-5.5951579e-05	2.0911363e-08	0.0000000	0.0000000
				SUN	2	0.00404908	0.026109695	-0.00011940662	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	2	0.00123193	-0.13870810	-4.8245580e-05	0.0000000	0.0000000	0.0000000
				SUN	2	0.00325262	-0.18755004	-0.00010335336	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
1	05APR2008 17:46:37	0	0.744000	SUN	2	0.00444389	-0.065836444	0.00011039392	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	2	0.00105418	-0.11325921	-4.0961288e-05	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	2	0.00184470	-0.21395913	-5.8595575e-05	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
2	05APR2008 18:55:37	0	0.431000	SUN	3	0.00120739	0.048676912	-5.5503544e-05	2.1791053e-08	0.0000000	0.0000000
				SUN	2	0.00380747	0.026312957	-0.00011226848	0.0000000	0.0000000	0.0000000
				SUN	2	0.00329813	-0.055453643	-0.00012825412	0.0000000	0.0000000	0.0000000
				SUN	2	0.00198040	-0.26357412	9.3426708e-05	0.0000000	0.0000000	0.0000000
				SUN	2	0.00343645	-0.19966313	-0.00010919906	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

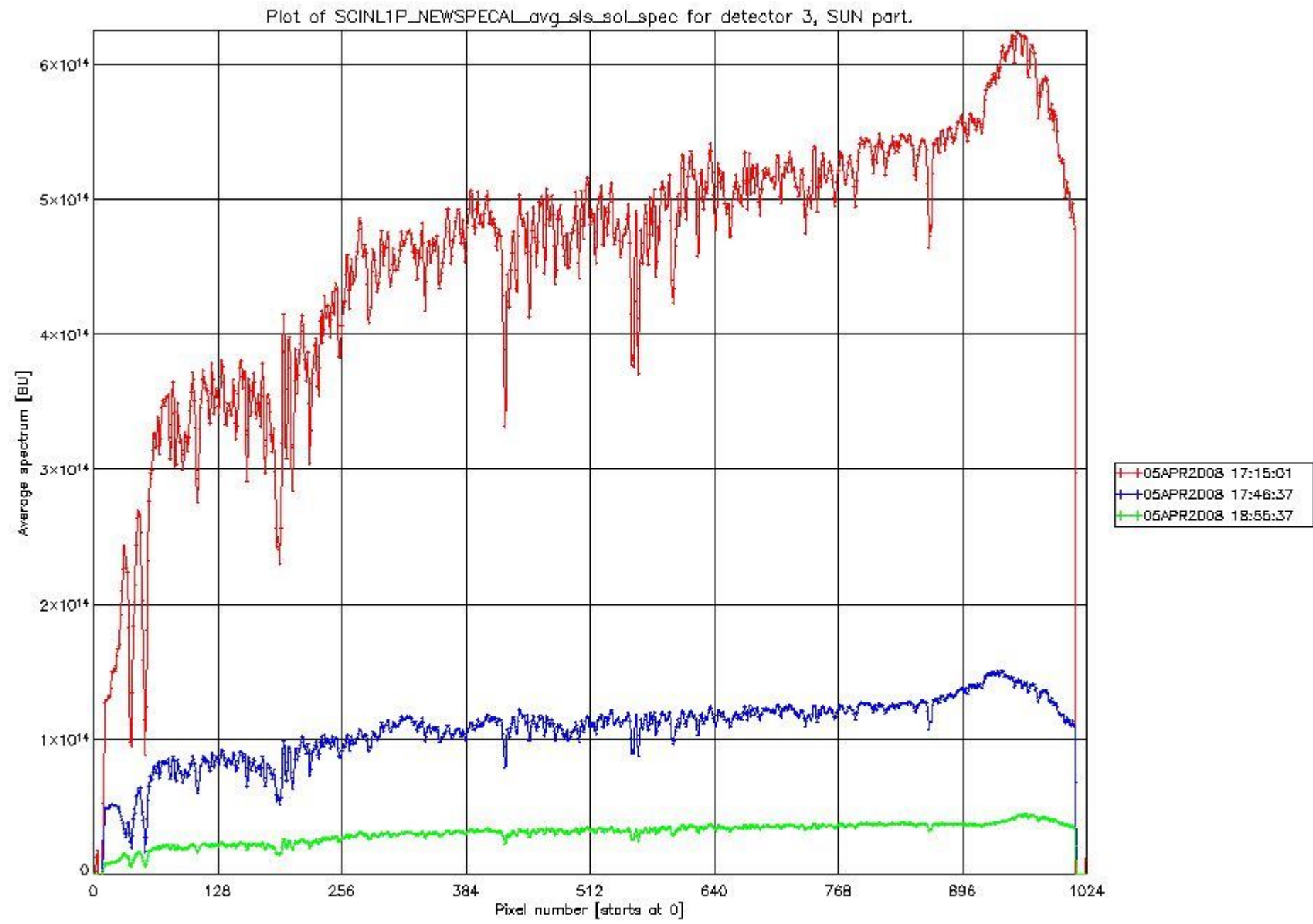
The following figures give an overview of the recorded signal for each detector.

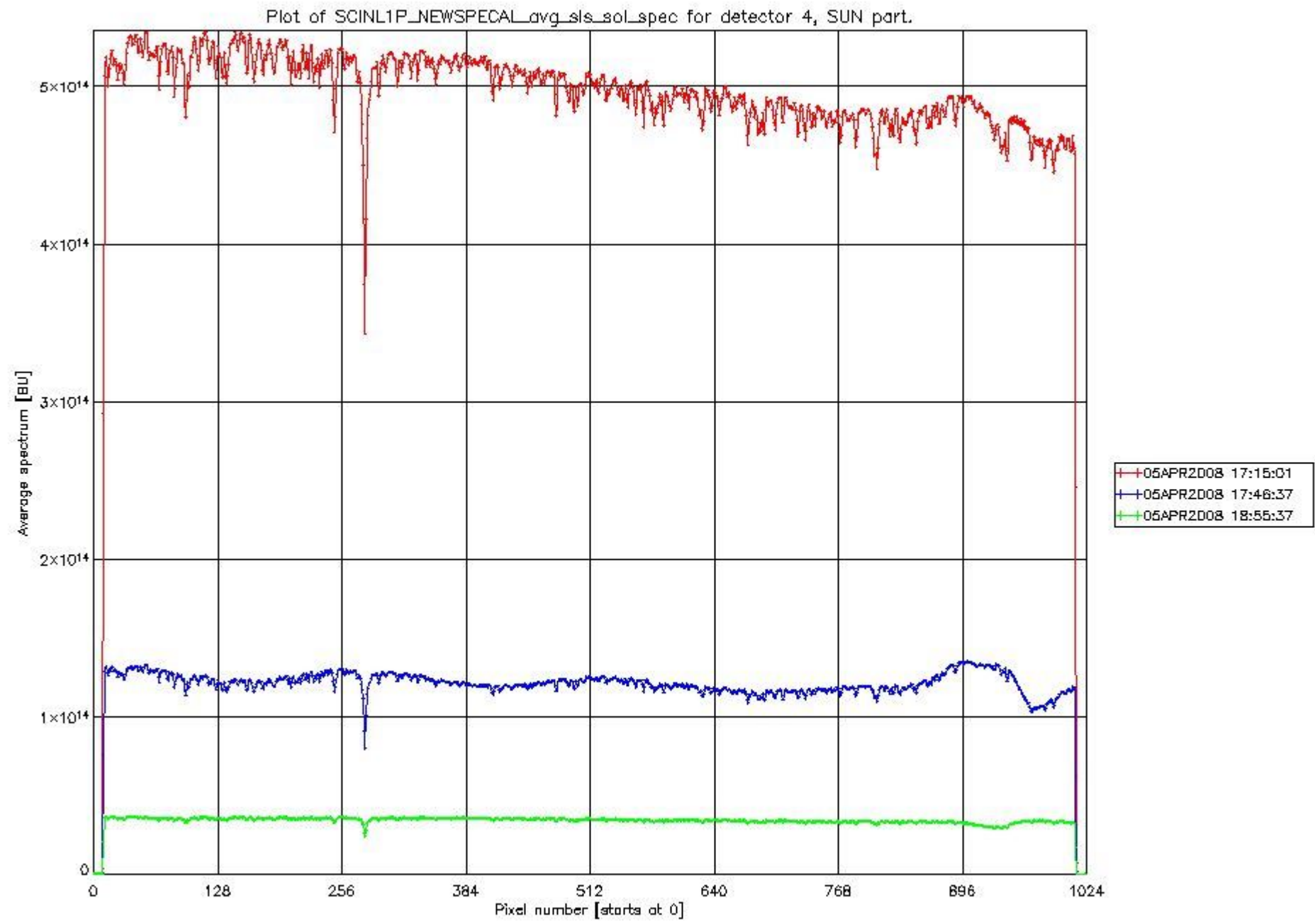


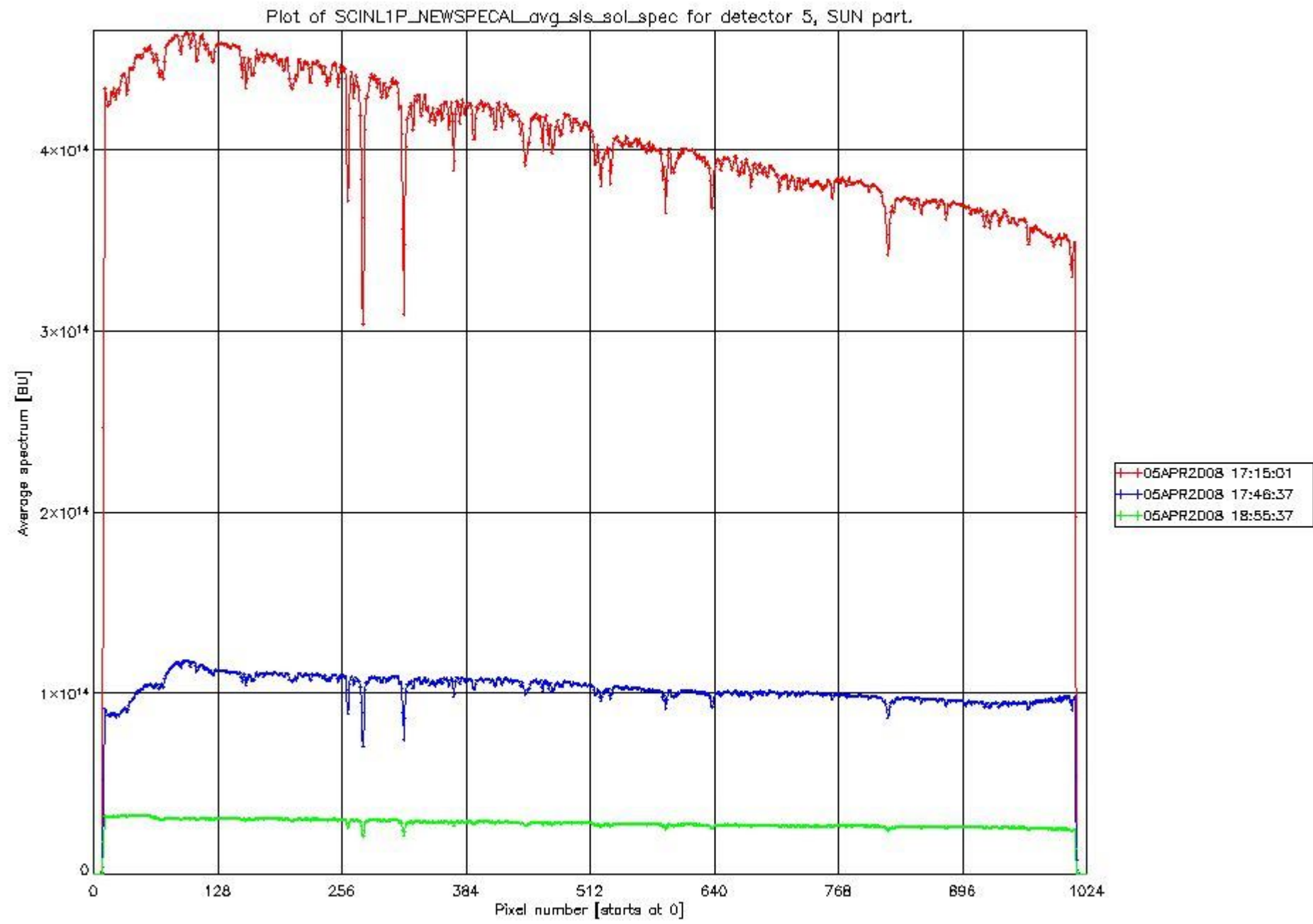
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_23.PNG

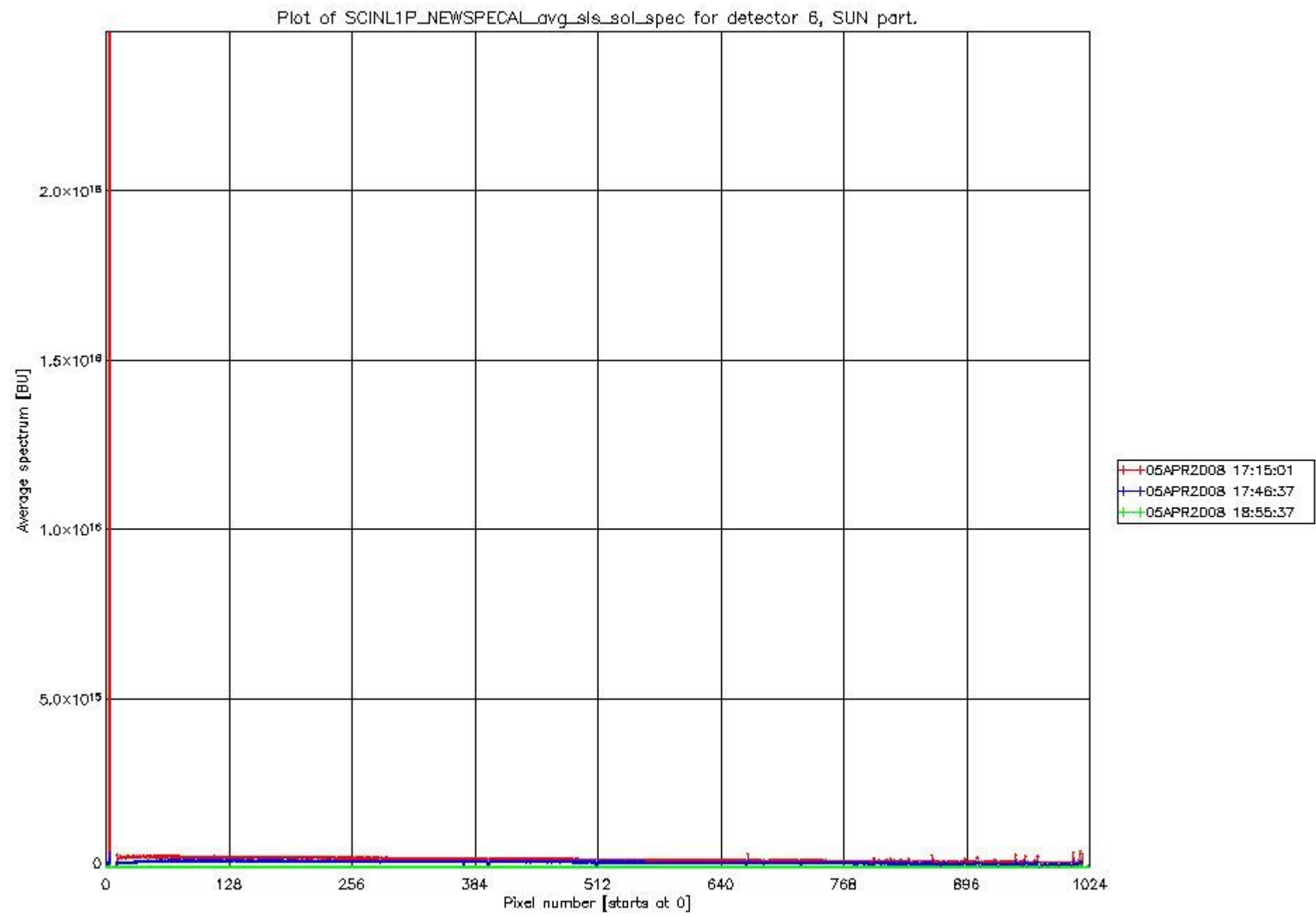


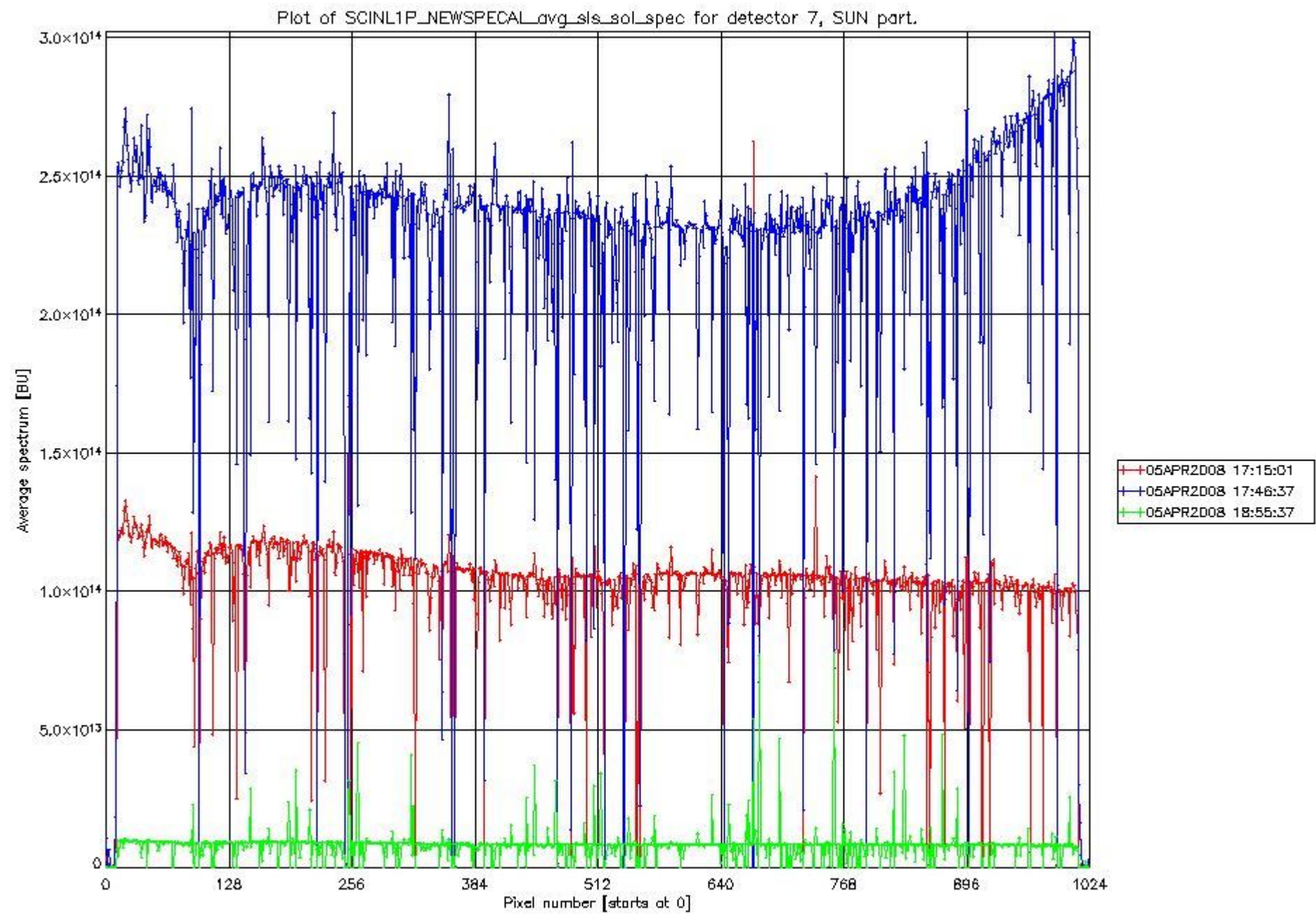
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_24.PNG

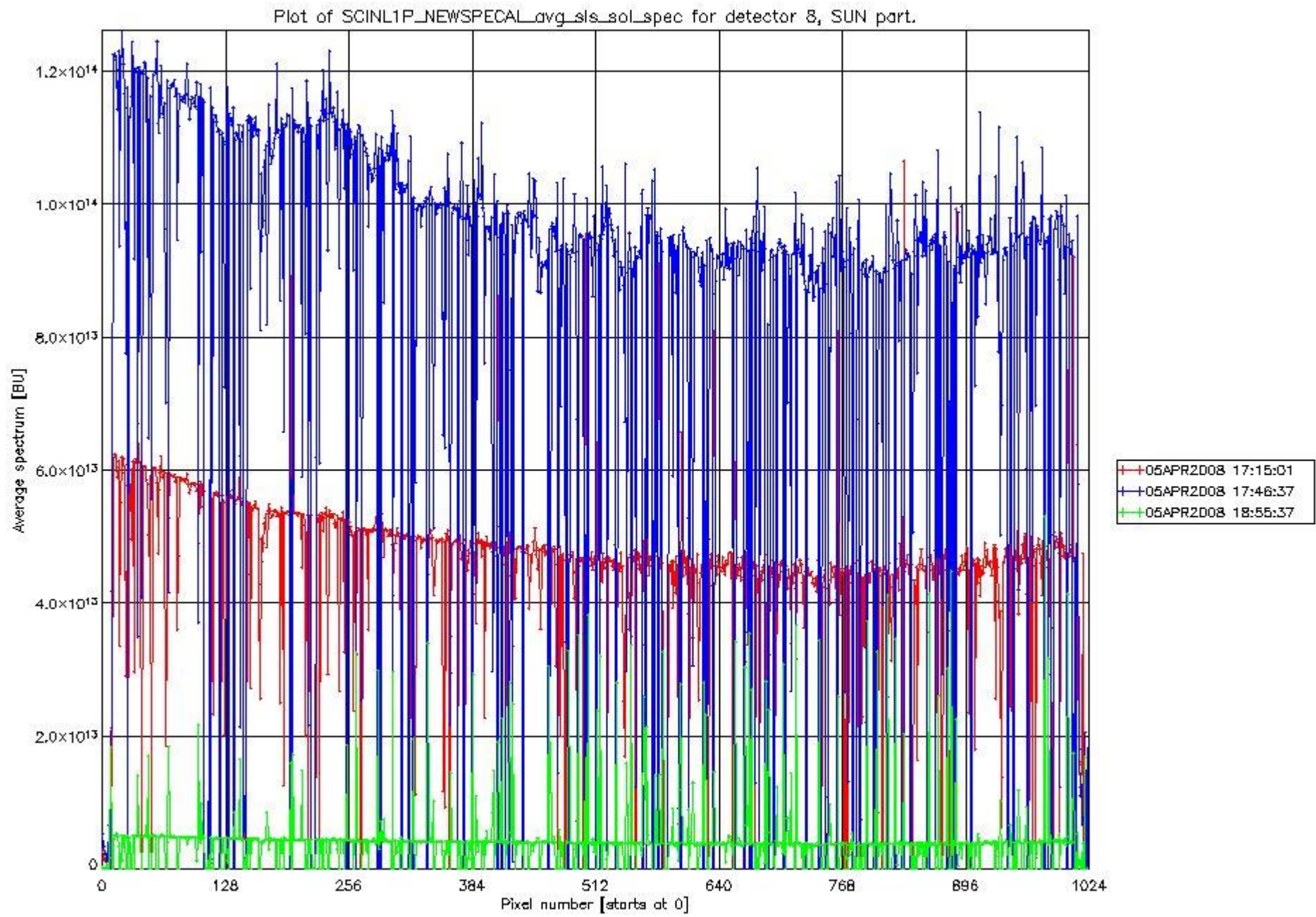












sciamachy_daily_report_level1_SCIA_6_03_N_20080405_30.PNG

The following figures give an overview of the spectra near the selected line positions.

1.2.4 New sun reference spectrum parameters

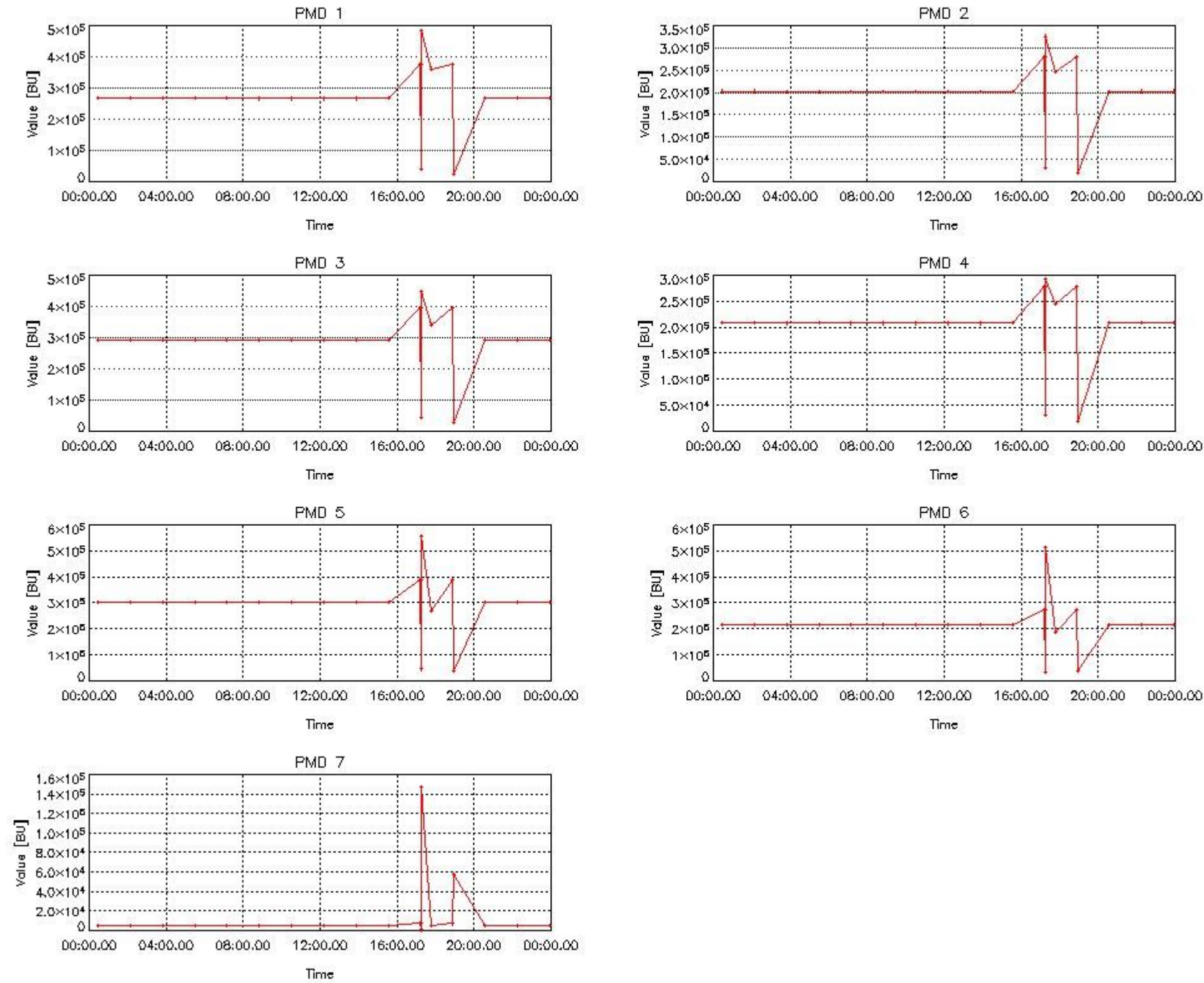
This section lists properties of the new sun reference spectrum data within the processing scope.

The following table shows the new sun reference measurement data characteristics.

#	dsr_time	attach	ID	NDF	az [deg]	el [deg]	solar_el [deg]	Doppler 500nm [nm]
0	05APR2008 00:27:08	0	O 1	1	-30.1764	-11.7786	0.00000	0.0100293
		0	U 1	1	-30.1764	-11.7786	0.00000	0.0100293
1	05APR2008 02:07:43	0	O 1	1	-30.1828	-11.7792	0.00000	0.0100303
		0	U 1	1	-30.1828	-11.7792	0.00000	0.0100303
2	05APR2008 03:48:19	0	O 1	1	-30.1896	-11.7786	0.00000	0.0100318
		0	U 1	1	-30.1896	-11.7786	0.00000	0.0100318

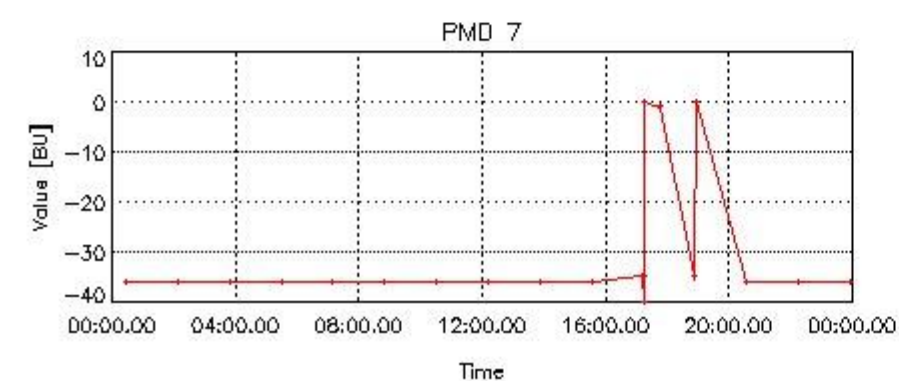
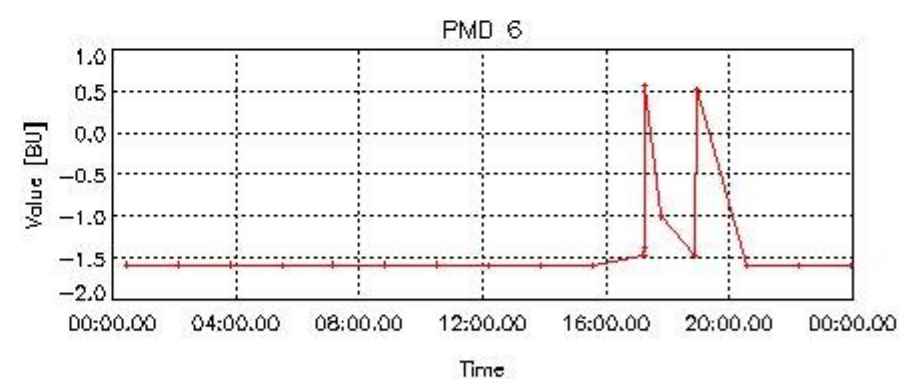
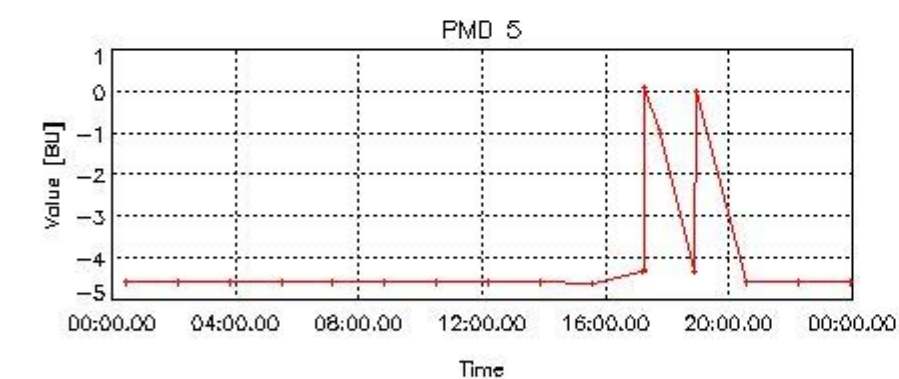
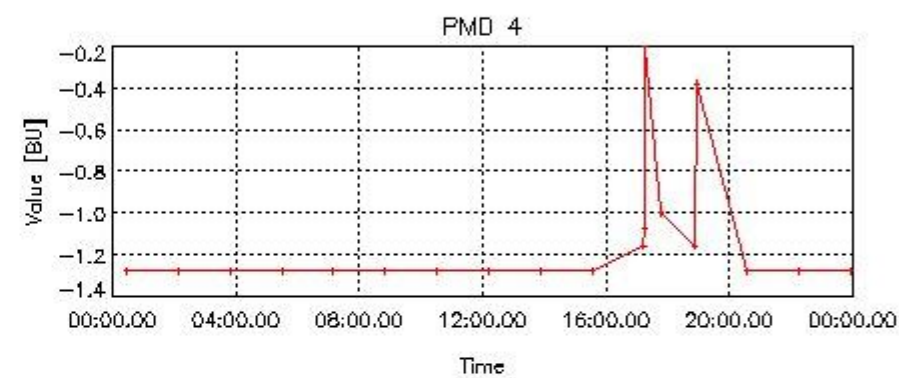
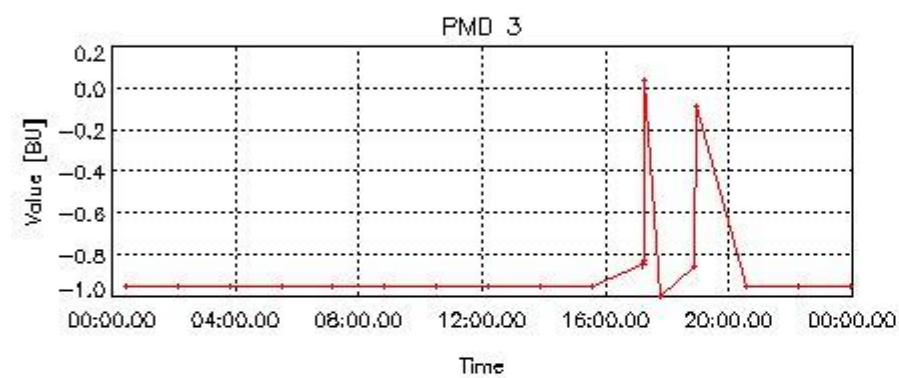
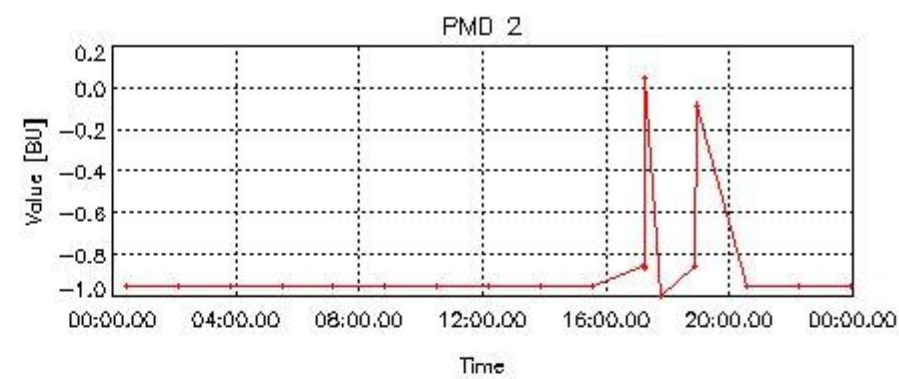
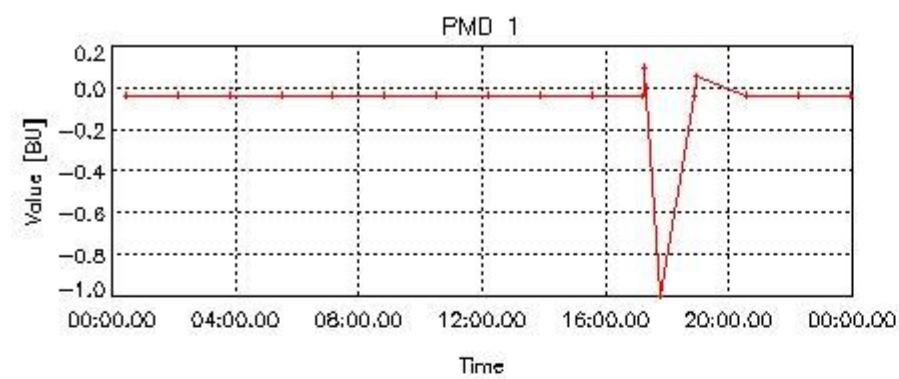
3	05APR2008 05:28:54	0 0	O U	1 1	-30.1964 -30.1964	-11.7772 -11.7772	0.00000 0.00000	0.0100336 0.0100336
4	05APR2008 07:09:30	0 0	O U	1 1	-30.2036 -30.2036	-11.7764 -11.7764	0.00000 0.00000	0.0100353 0.0100353
5	05APR2008 08:50:05	0 0	O U	1 1	-30.2105 -30.2105	-11.7762 -11.7762	0.00000 0.00000	0.0100367 0.0100367
6	05APR2008 10:30:41	0 0	O U	1 1	-30.2177 -30.2177	-11.7762 -11.7762	0.00000 0.00000	0.0100381 0.0100381
7	05APR2008 12:11:16	0 0	O U	1 1	-30.2240 -30.2240	-11.7765 -11.7765	0.00000 0.00000	0.0100392 0.0100392
8	05APR2008 13:51:52	0 0	O U	1 1	-30.2301 -30.2301	-11.7770 -11.7770	0.00000 0.00000	0.0100402 0.0100402
9	05APR2008 15:32:27	0 0	O U	1 1	-30.2362 -30.2362	-11.7776 -11.7776	0.00000 0.00000	0.0100411 0.0100411
10	05APR2008 17:13:03	0 0	O U	1 1	-30.0586 -30.0586	-12.5746 -12.5746	0.00000 0.00000	0.00988123 0.00988123
11	05APR2008 17:14:23	0 0	O U	1 1	-30.1206 -30.1206	-11.9347 -11.9347	0.00000 0.00000	0.00999357 0.00999357
12	05APR2008 17:15:01	0 0	D E	1 1	-30.3804 -30.3804	-15.0000 -15.0000	21.7047 21.7047	0.0102261 0.0102261
13	05APR2008 17:46:37	0 0	S V	1 1	2.09943e-05 2.09943e-05	59.5129 59.5129	0.00000 0.00000	0.00000 0.00000
14	05APR2008 18:53:39	0 0	O U	1 1	-30.0661 -30.0661	-12.5740 -12.5740	0.00000 0.00000	0.00988298 0.00988298
15	05APR2008 18:55:37	0 0	D A	0 0	-1.99936 -1.99936	-11.2550 -11.2550	21.7047 21.7047	0.0102276 0.0102276
16	05APR2008 20:34:14	0 0	O U	1 1	-30.2578 -30.2578	-11.7759 -11.7759	0.00000 0.00000	0.0100459 0.0100459
17	05APR2008 22:14:50	0 0	O U	1 1	-30.2648 -30.2648	-11.7771 -11.7771	0.00000 0.00000	0.0100472 0.0100472
18	05APR2008 23:55:25	0 0	O U	1 1	-30.2719 -30.2719	-11.7767 -11.7767	0.00000 0.00000	0.0100487 0.0100487

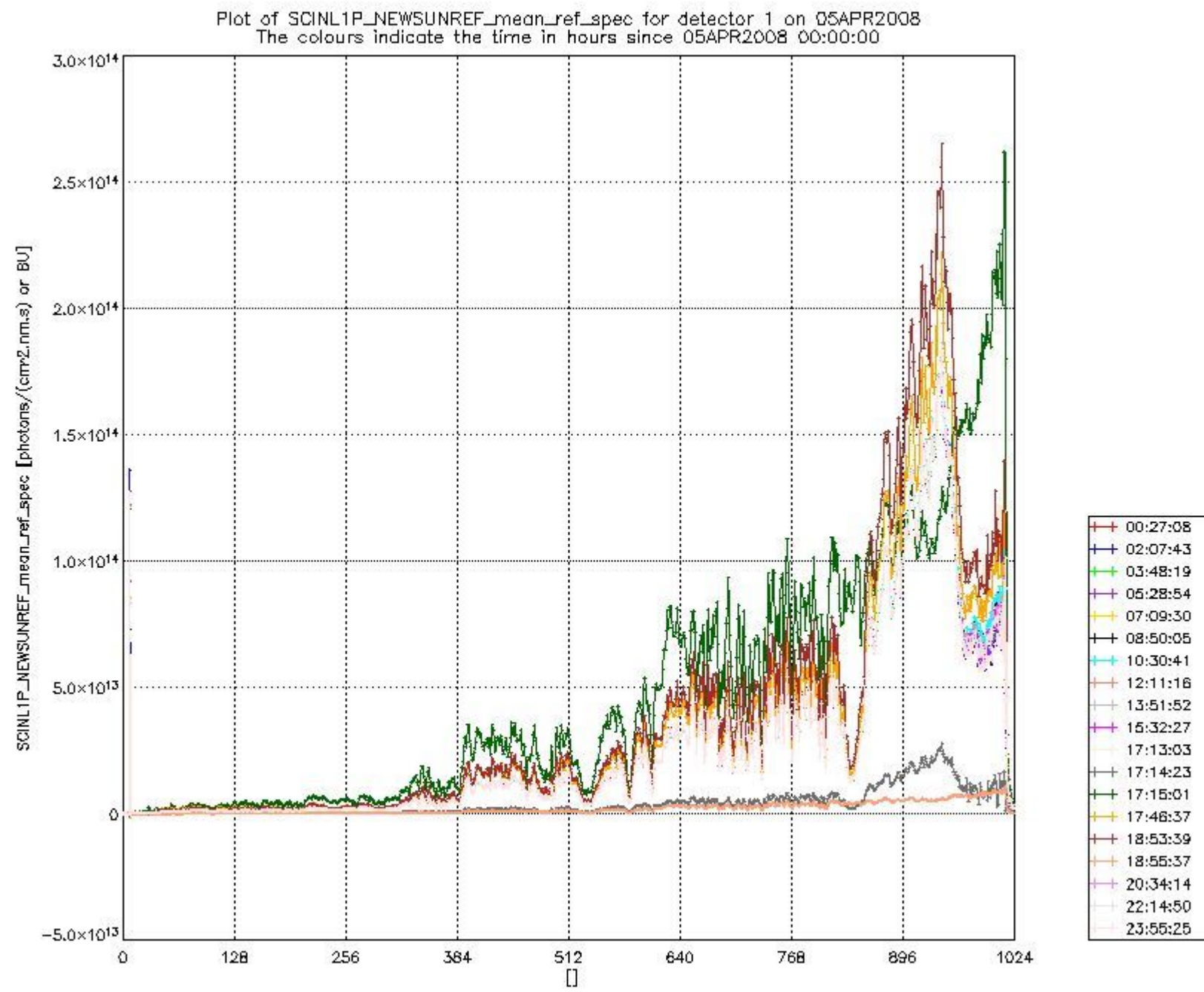
Plot of SCINL1P_NEWSUNREF_mean_pmd versus time

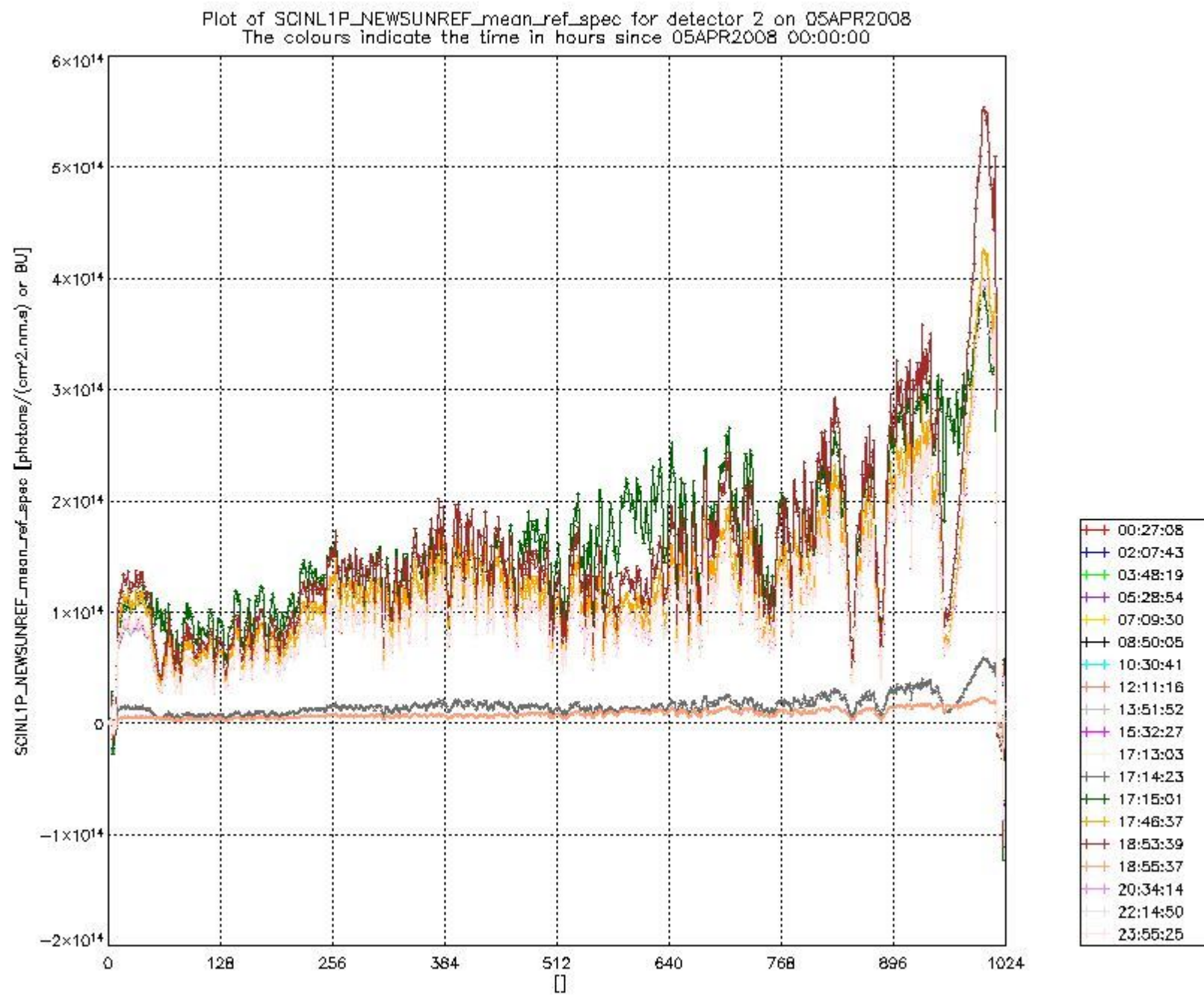


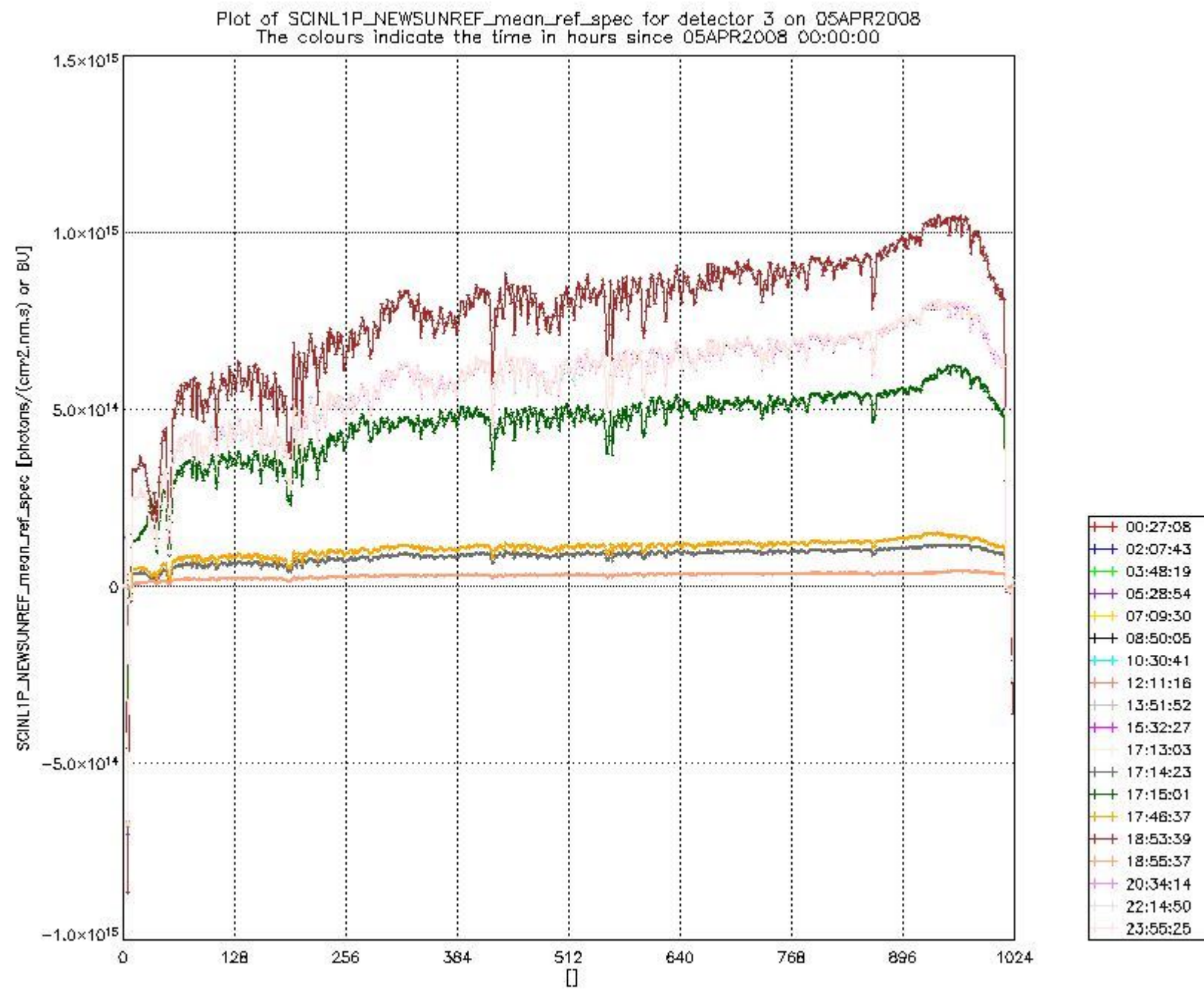
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_31.PNG

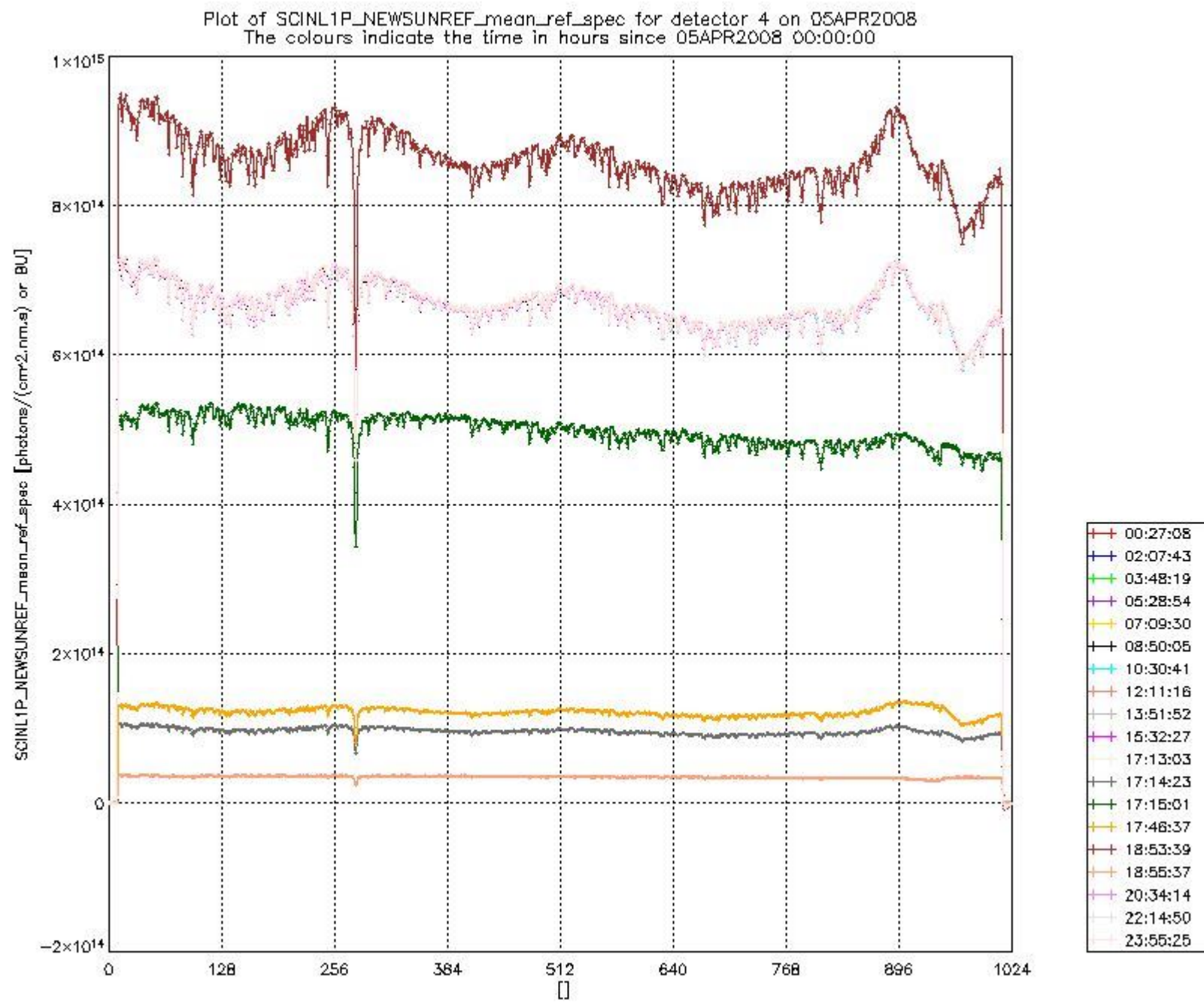
Plot of SCINL1P_NEWSUNREF_pmd_out versus time

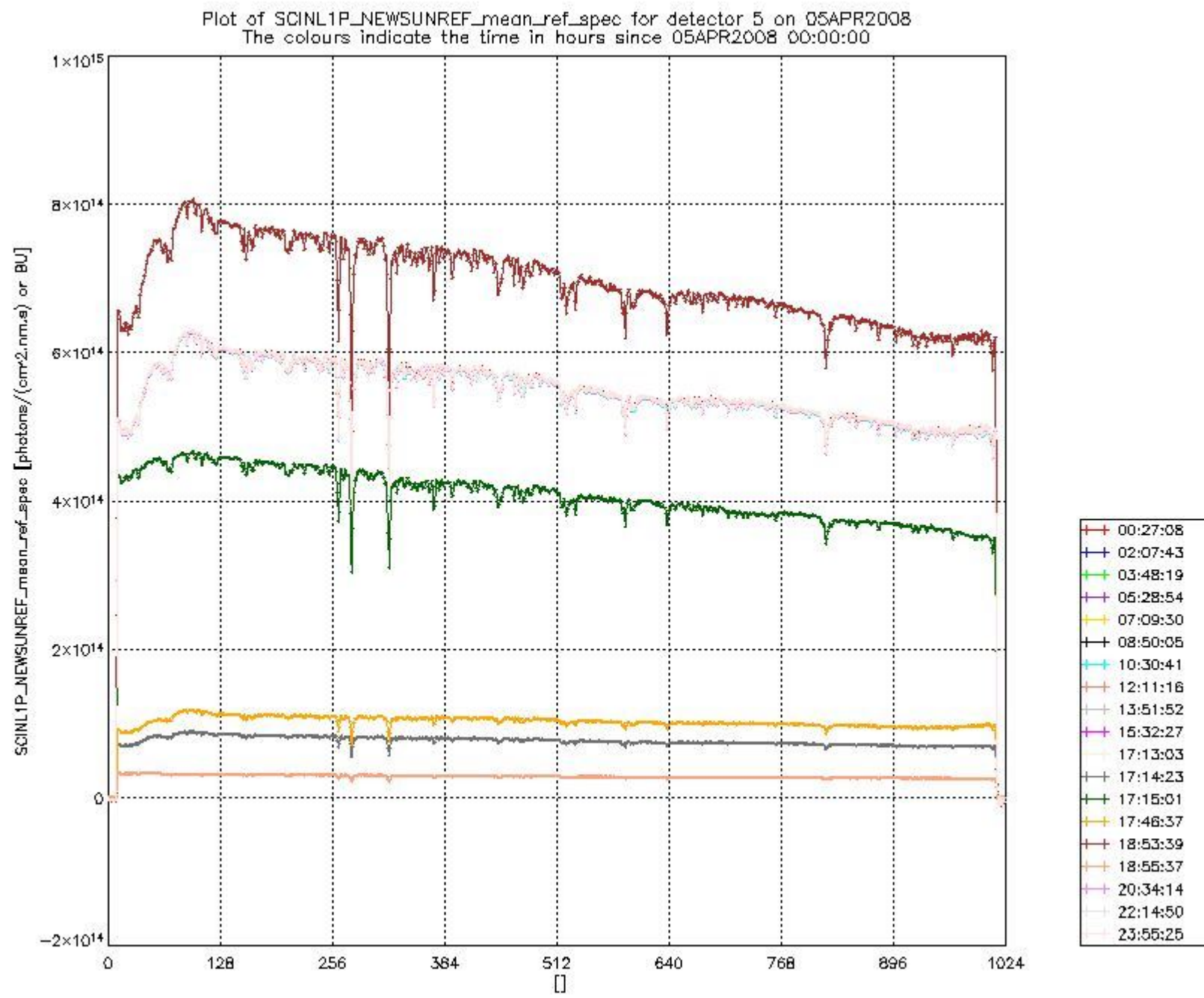


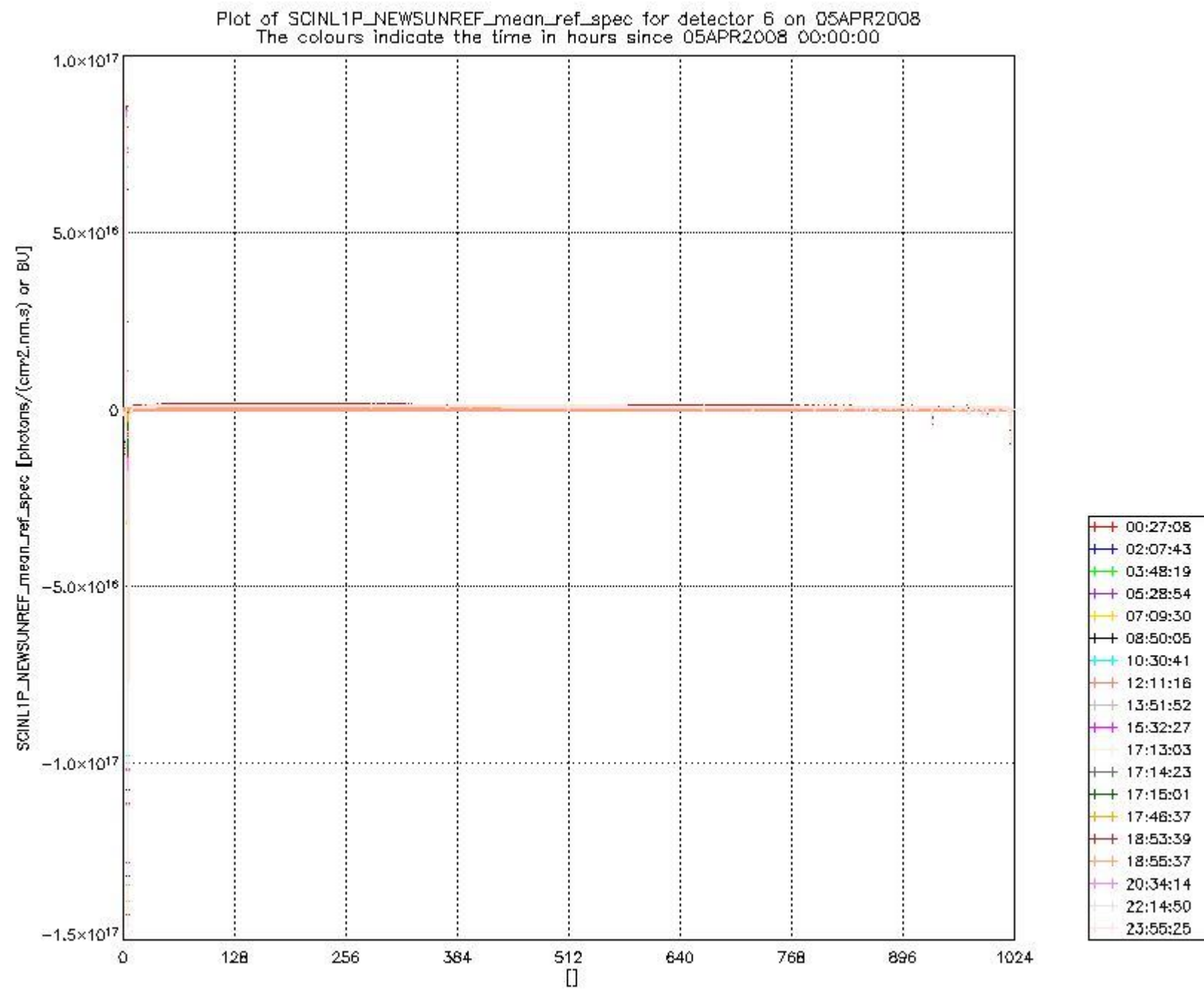


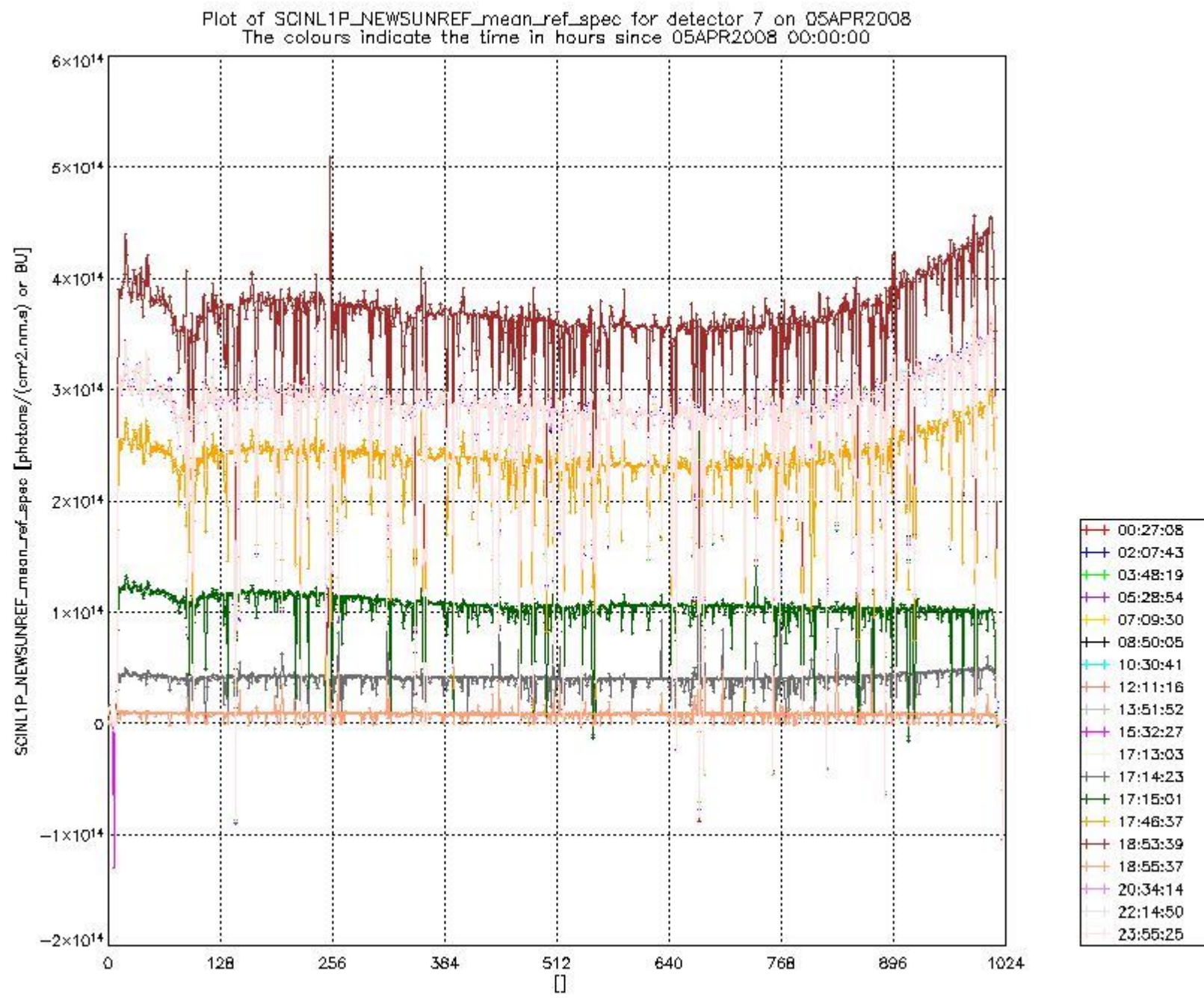


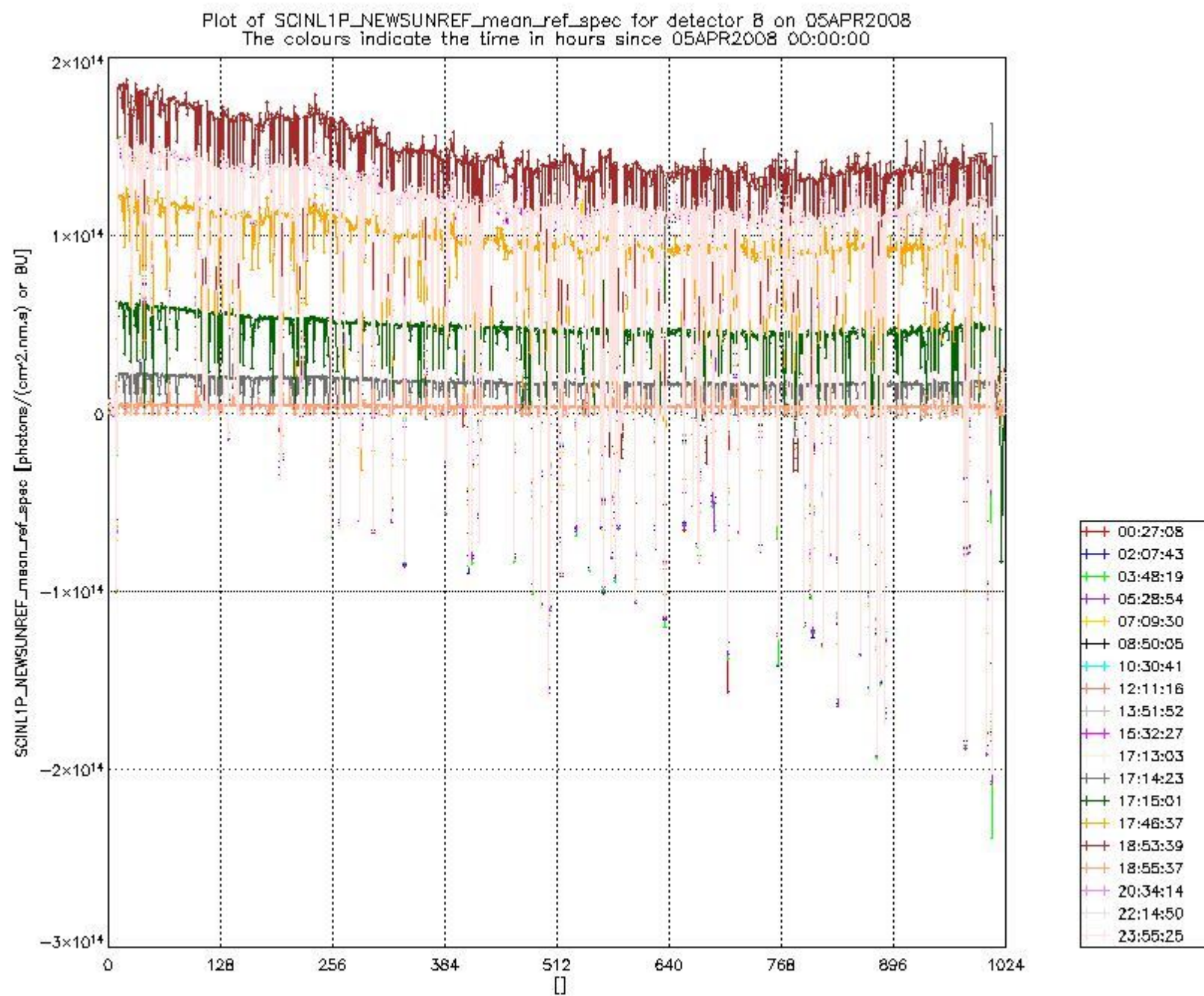




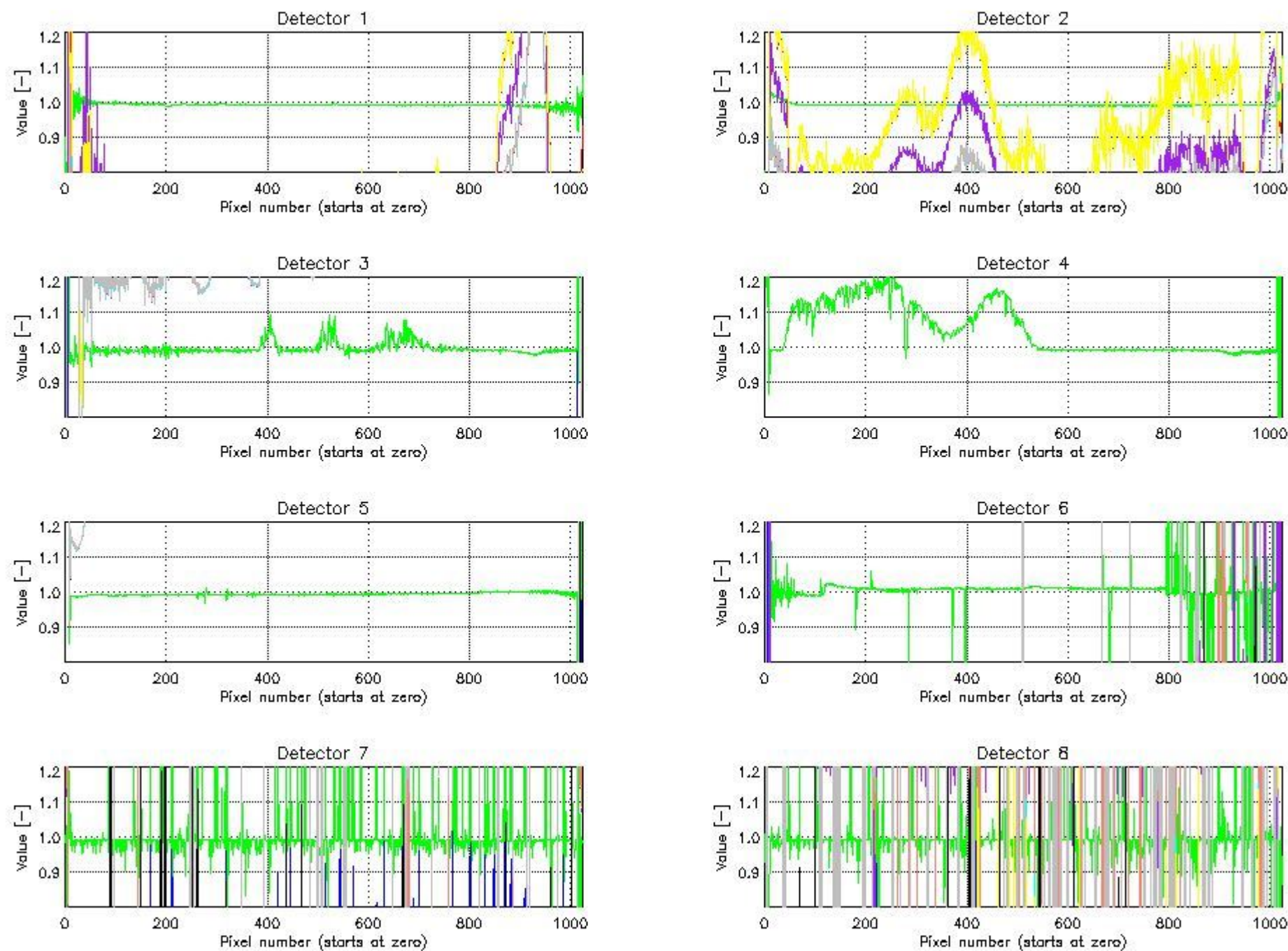








Ratio plot of D0 (ndf=1) sunref data vs. ADF
 ADF: SCI_SU1_AXVIEC20080404_063453_20080401_160457_20080416_174422



sciamachy_daily_report_level1_SCIA_6_03_N_20080405_41.PNG

1.2.5 PPG and Etalon parameters

(No PPG and Etalon data available for this processing scope)

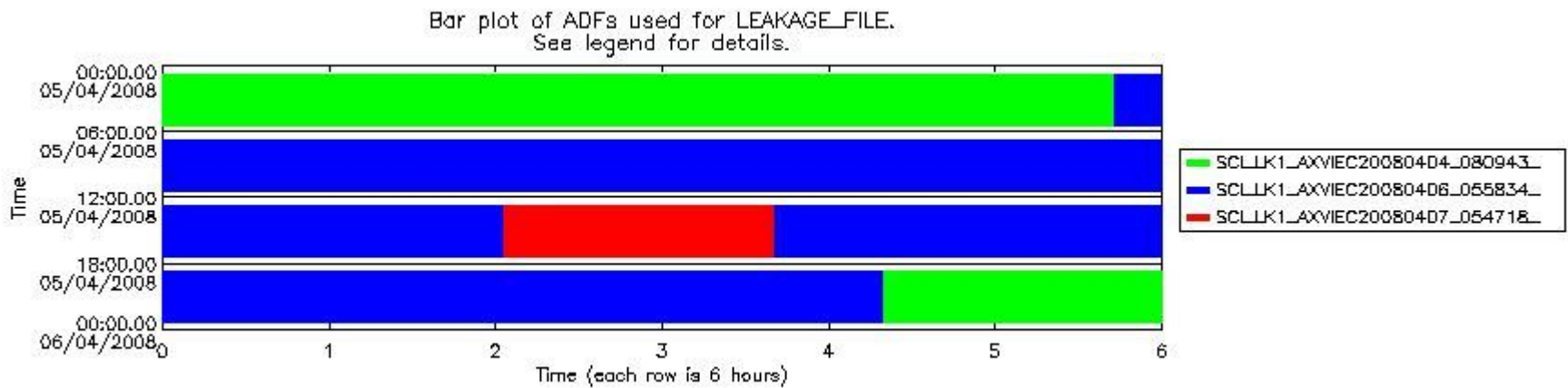
1.3 ADF monitoring

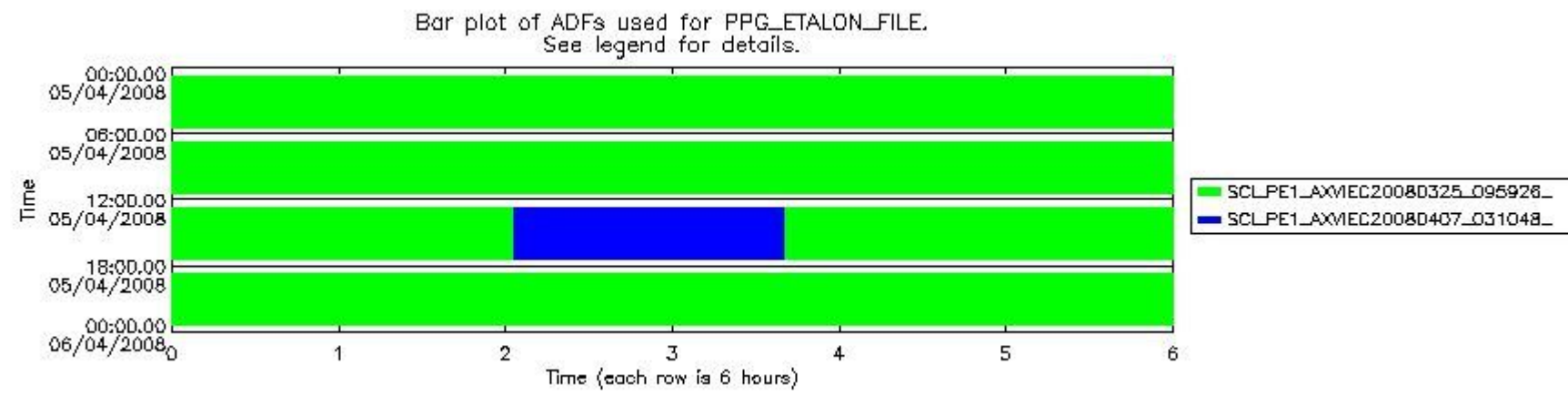
This section shows the (variation in) ADFs used for each of the products. It consists of:

- A table showing which ADFs having a start validity of the current time scope are currently available (if present).
- 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.

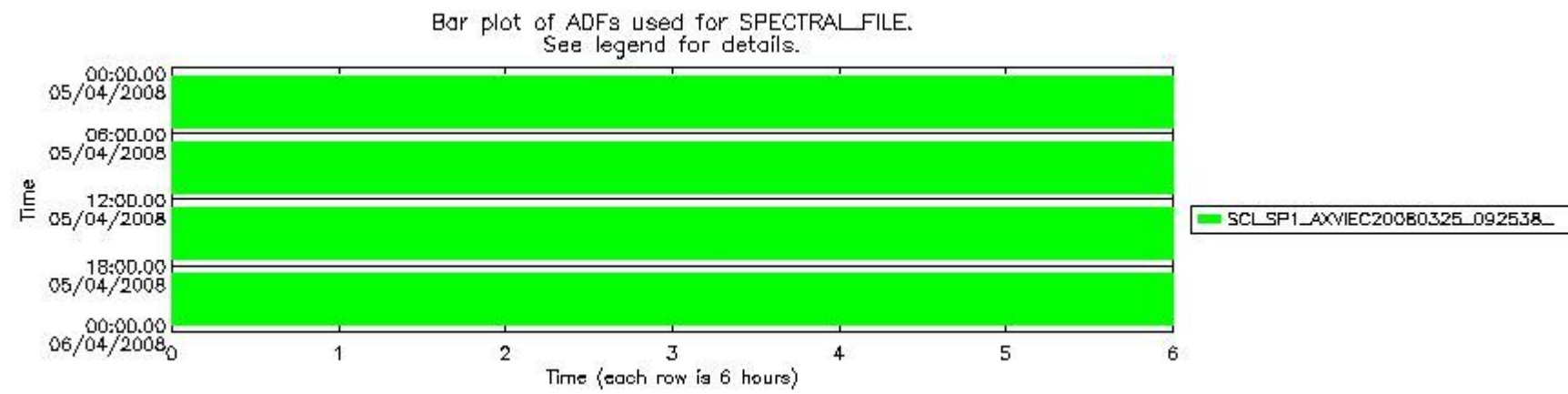
No new ADFs available

Number	ADF
	LK1 (LEAKAGE_FILE)
0	SCI_LK1_AXVIEC20080404_080943_20080401_160457_20080531_174422
1	SCI_LK1_AXVIEC20080406_055834_20080403_100858_20080602_114934
2	SCI_LK1_AXVIEC20080407_054718_20080404_093811_20080603_111751
	PE1 (PPG_ETALON_FILE)
3	SCI_PE1_AXVIEC20080325_095926_20080320_172212_20990101_000000
4	SCI_PE1_AXVIEC20080407_031048_20080321_051506_20080418_061604
	SP1 (SPECTRAL_FILE)
5	SCI_SP1_AXVIEC20080325_092538_20080320_203845_20080618_222427
	SU1 (SUN_REF_FILE)
6	SCI_SU1_AXVIEC20080404_063453_20080401_160457_20080416_174422
7	SCI_SU1_AXVIEC20080406_030911_20080402_171302_20080417_185338
	KD1 (KEY_DATA_FILE)
8	SCI_KD1_AXVIEC20060523_182626_20020301_000000_20991231_235959
	MF1 (M_FACTOR_FILE)
9	SCI_MF1_AXVIEC20020809_094925_20020206_173831_20991231_235959
	LI1 (INIT_FILE)
10	SCI_LI1_AXVIEC20070628_134108_20020701_000000_20991231_235959
	FRO (ORBIT_FILE)
11	AUX_FRO_AXVPDS20080407_010110_20080403_221000_20080406_005000
12	DOR_NAV_0PNPDE20080404_225227_000057382067_00259_31876_5347.N1
13	DOR_NAV_0PNPDE20080405_003324_000060572067_00260_31877_5348.N1
14	DOR_NAV_0PNPDE20080405_021940_000057382067_00261_31878_5349.N1
15	DOR_NAV_0PNPDE20080405_040037_000057382067_00262_31879_5350.N1
16	DOR_NAV_0PNPDE20080405_222027_000057382067_00273_31890_5351.N1
17	DOR_NAV_0PNPDK20080405_054134_000060572067_00263_31880_6503.N1
18	DOR_NAV_0PNPDK20080405_072750_000054192067_00264_31881_6504.N1
19	DOR_NAV_0PNPDK20080405_090328_000057382067_00265_31882_6505.N1
20	DOR_NAV_0PNPDK20080405_104425_000057382067_00266_31883_6506.N1
21	DOR_NAV_0PNPDK20080405_122522_000054192067_00267_31884_6507.N1
22	DOR_NAV_0PNPDK20080405_185314_000057382067_00271_31888_6511.N1
23	DOR_NAV_0PNPDK20080405_203411_000060572067_00272_31889_6512.N1
	ATT (ATTITUDE_FILE)
24	NOT USED

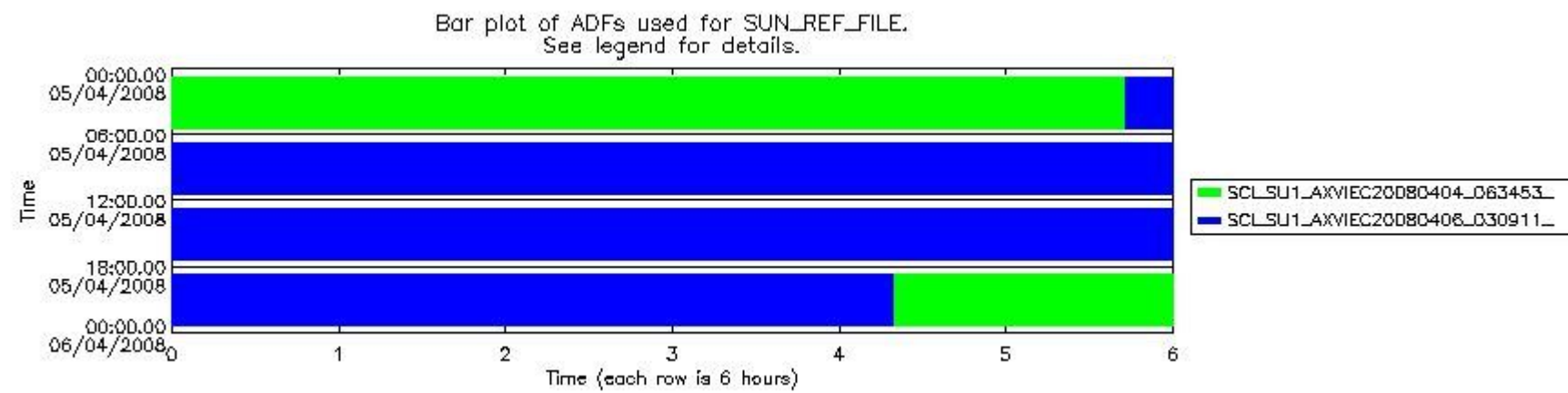




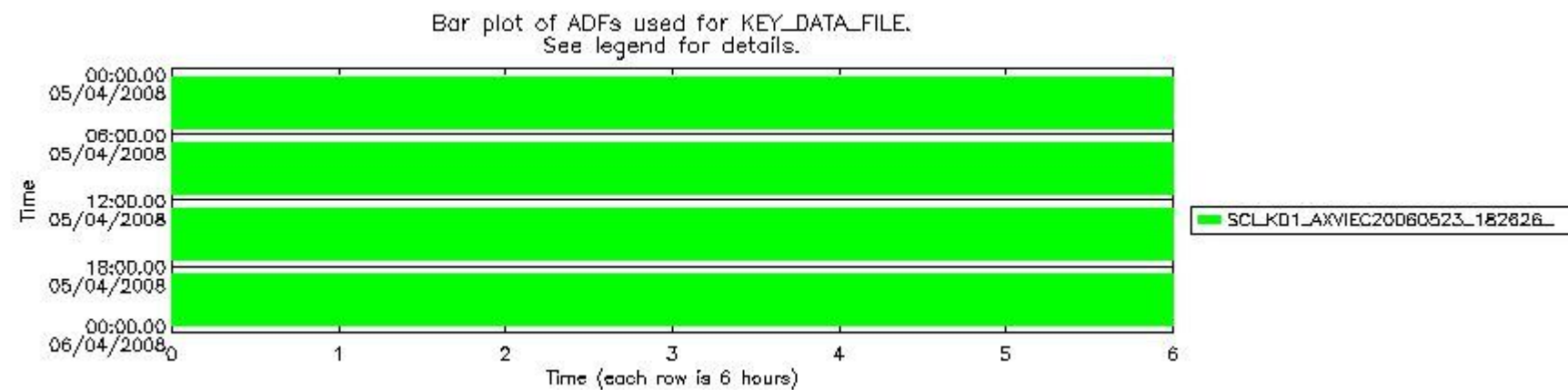
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_43.PNG



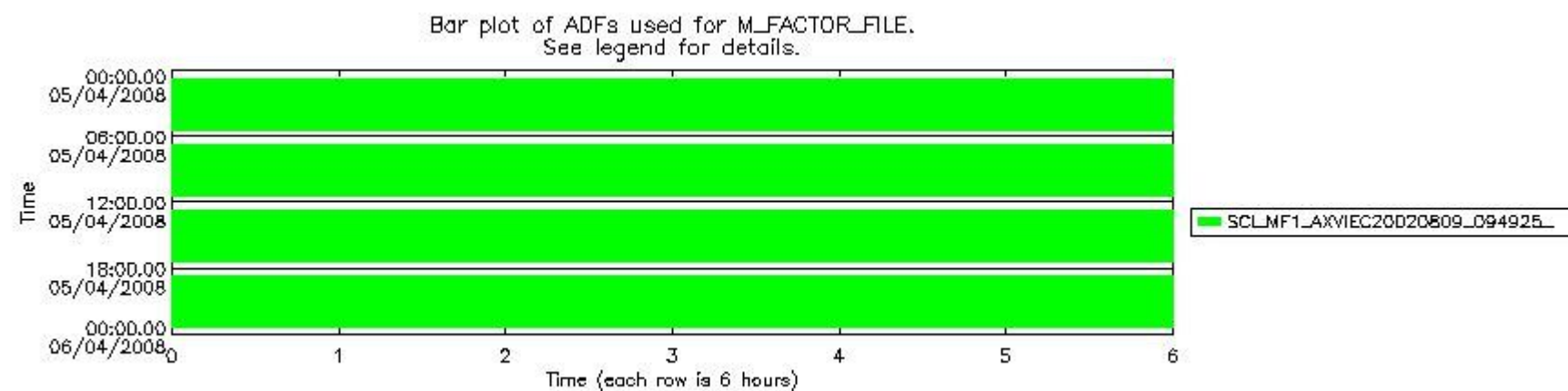
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_44.PNG



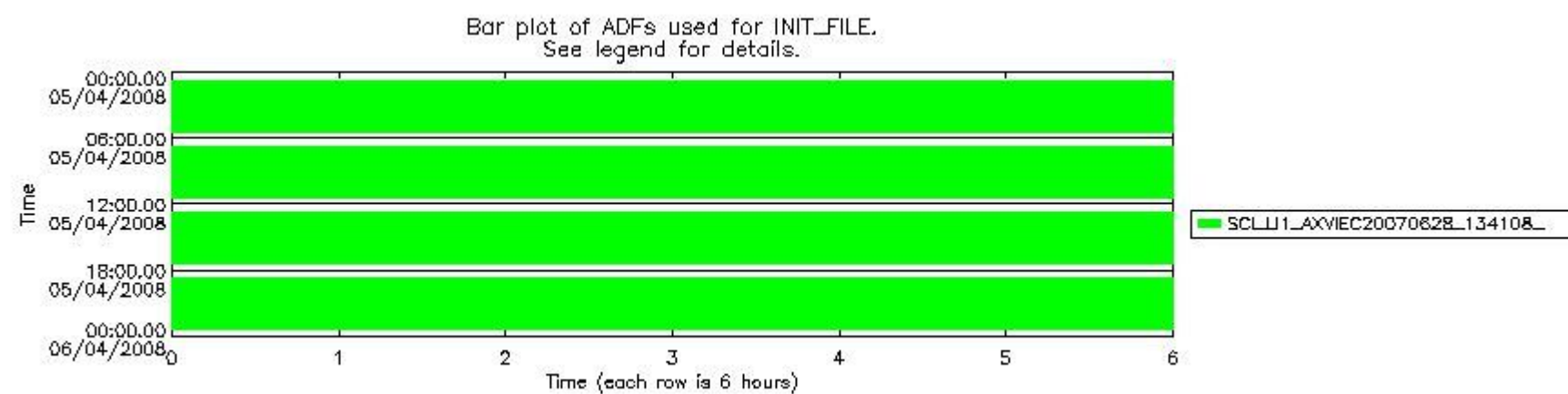
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_45.PNG



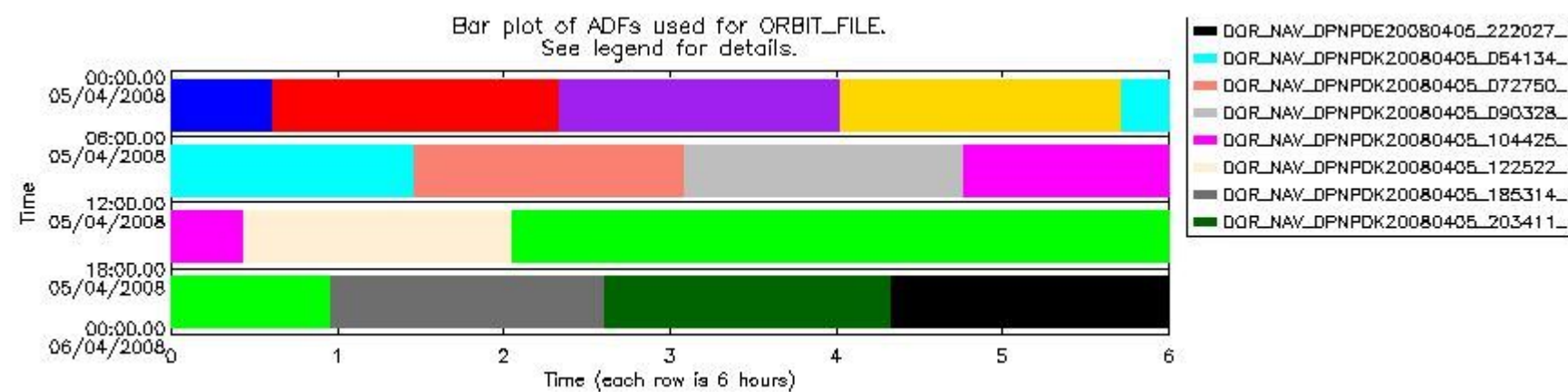
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_46.PNG



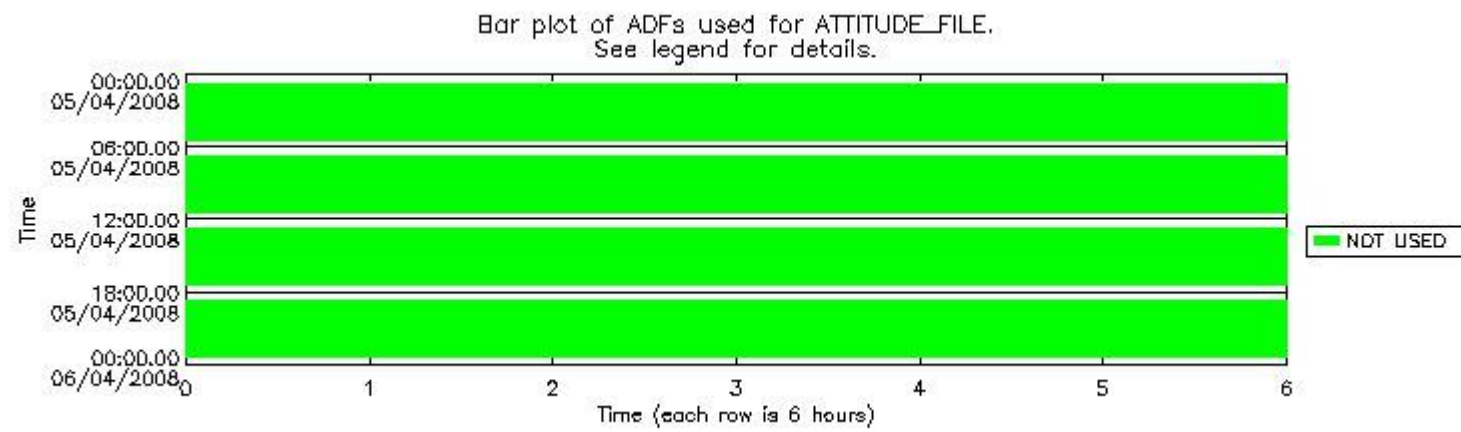
sciamachy_daily_report_level1_SCIA_6_03_N_20080405_47.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080405_48.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080405_49.PNG

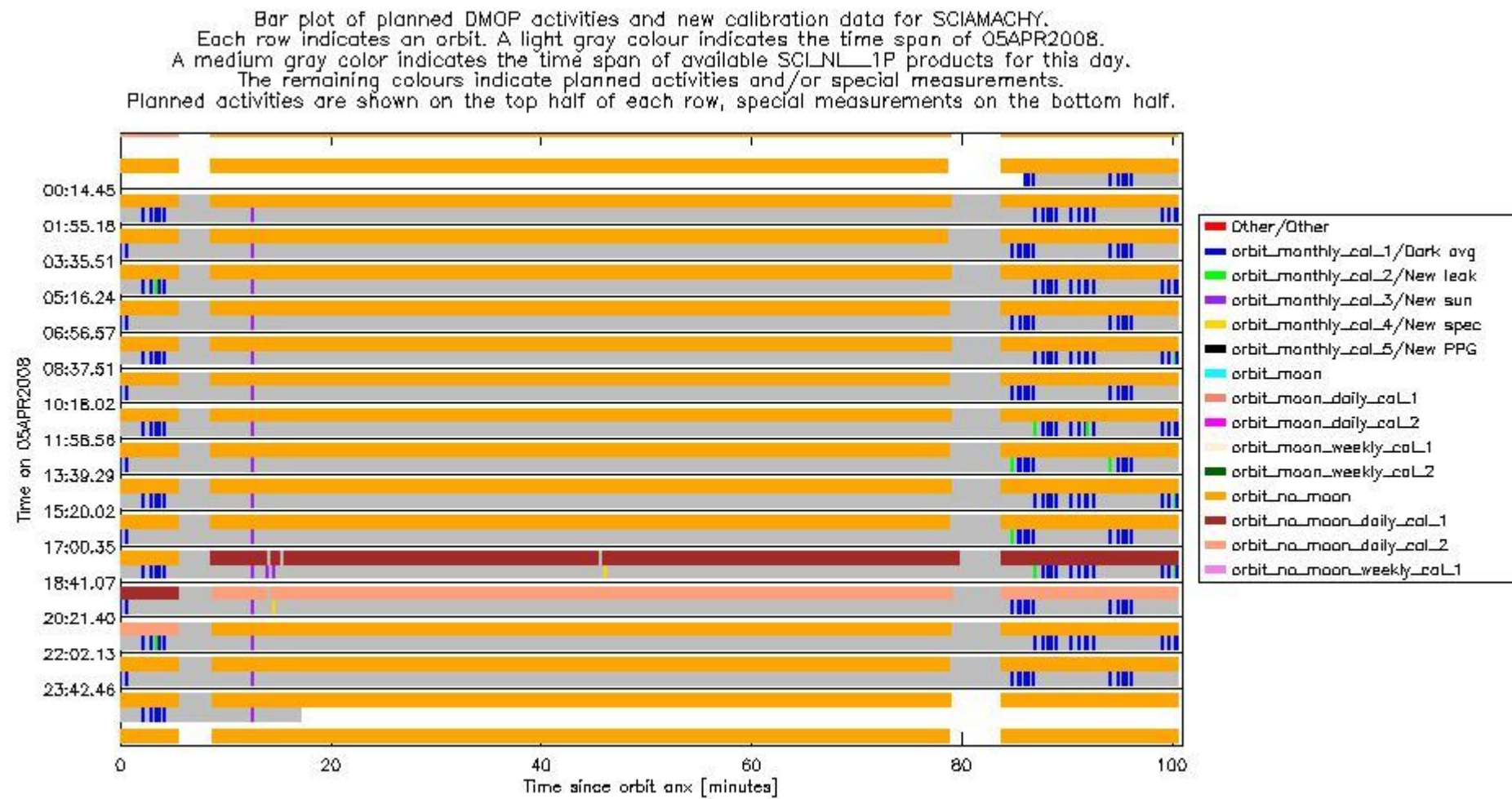


sciamachy_daily_report_level1__SCIA_6_03_N_20080405_50.PNG

1.4 DMOP execution monitoring

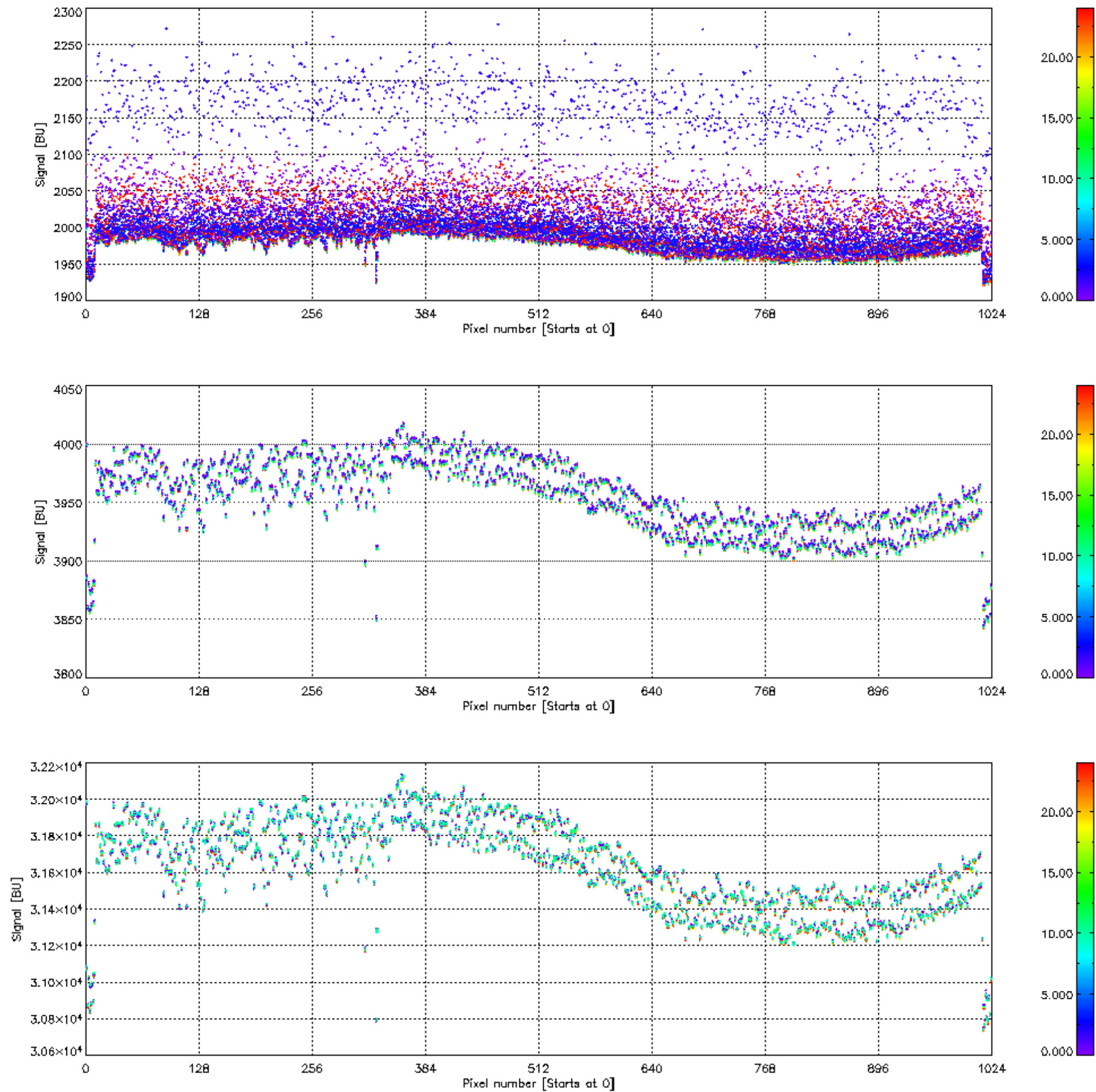
This section gives an analysis of the DMOP execution. The execution is monitored by assigning various activities to timeline sequences found in the DMOP file, and by checking where "NEW" datasets are available in SCI_NL__1P products.

The following plot gives an overview of planned activities and actual special measurements in the Level 1 products. The planning is taken from the DMOP files, and interpreted using information from OSDF files.

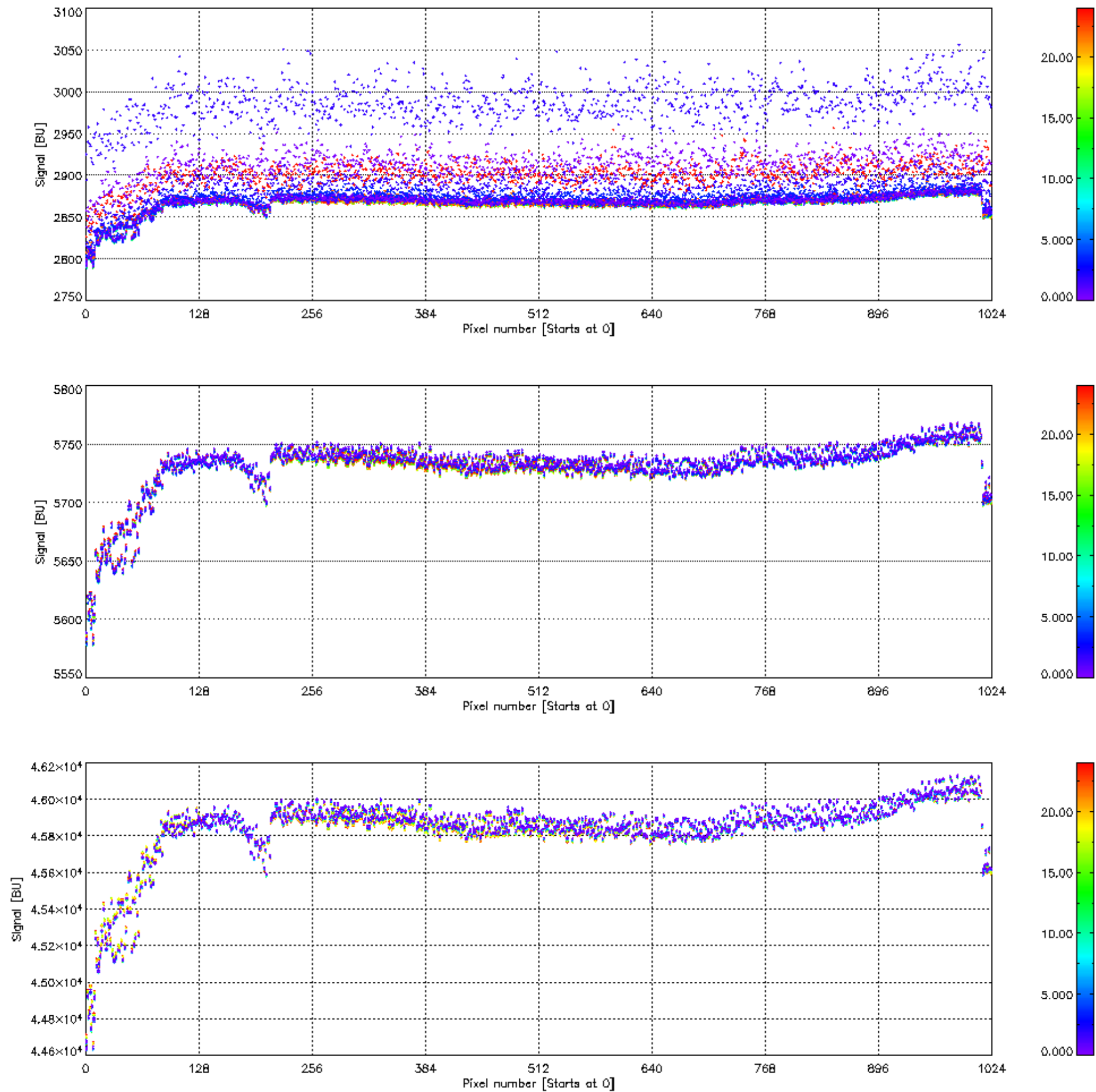


sciamachy_daily_report_level1__SCIA_6_03_N_20080405_51.PNG

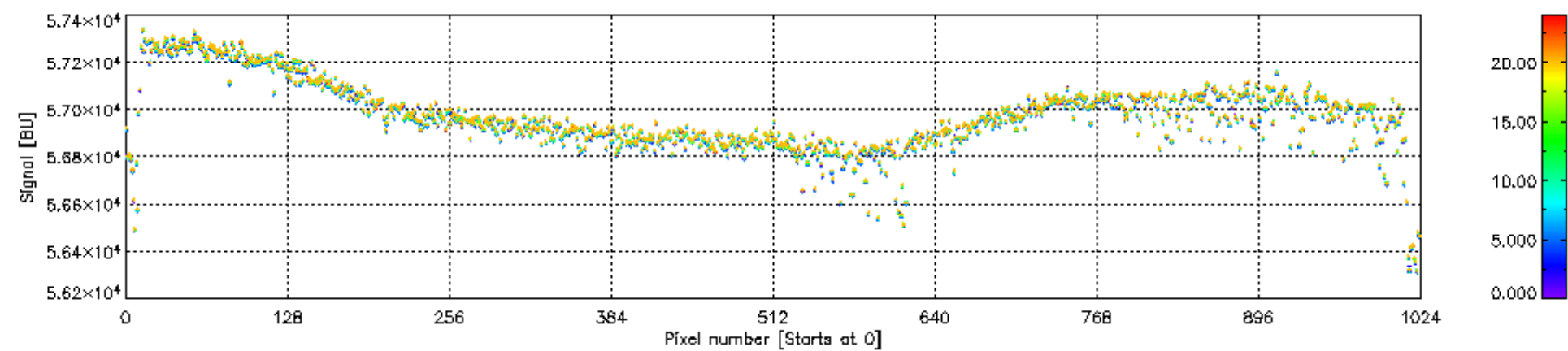
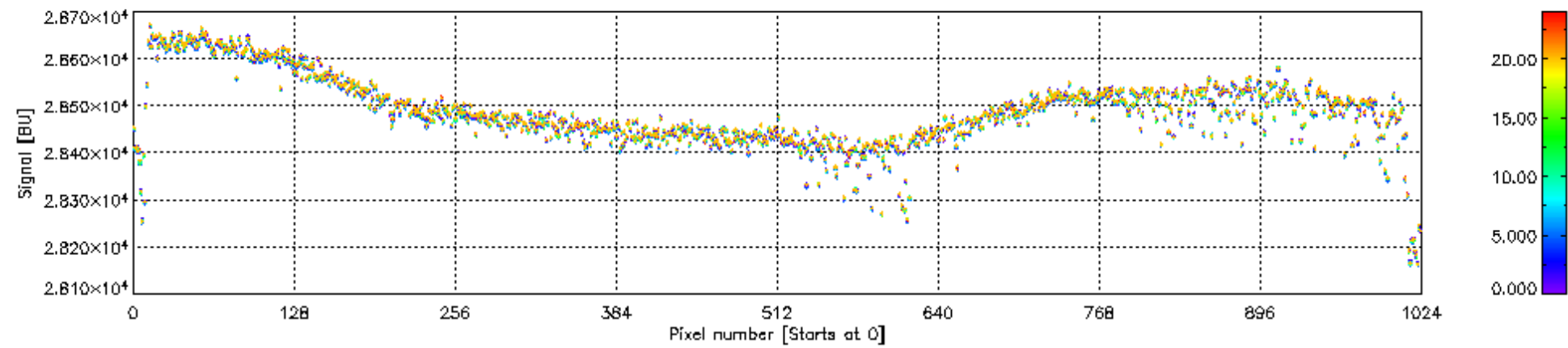
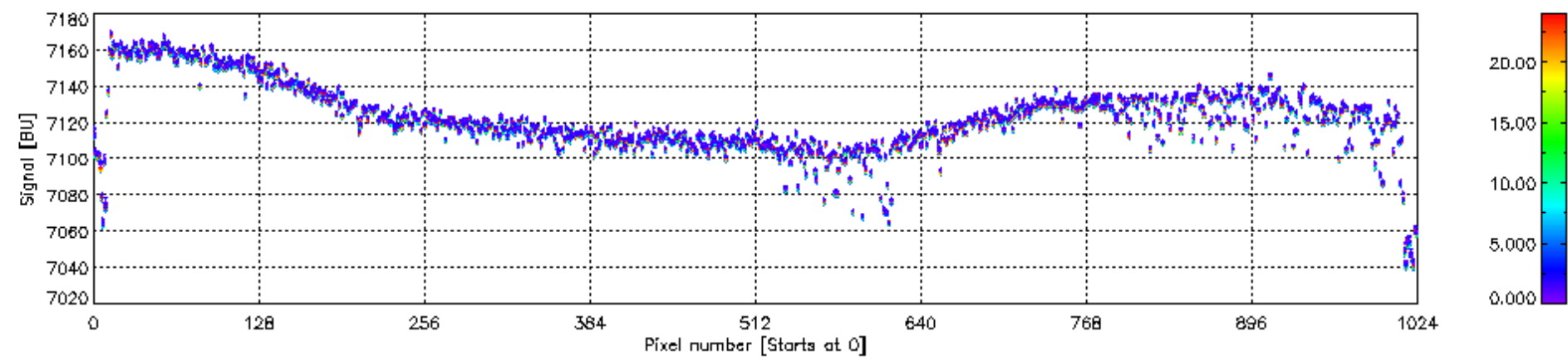
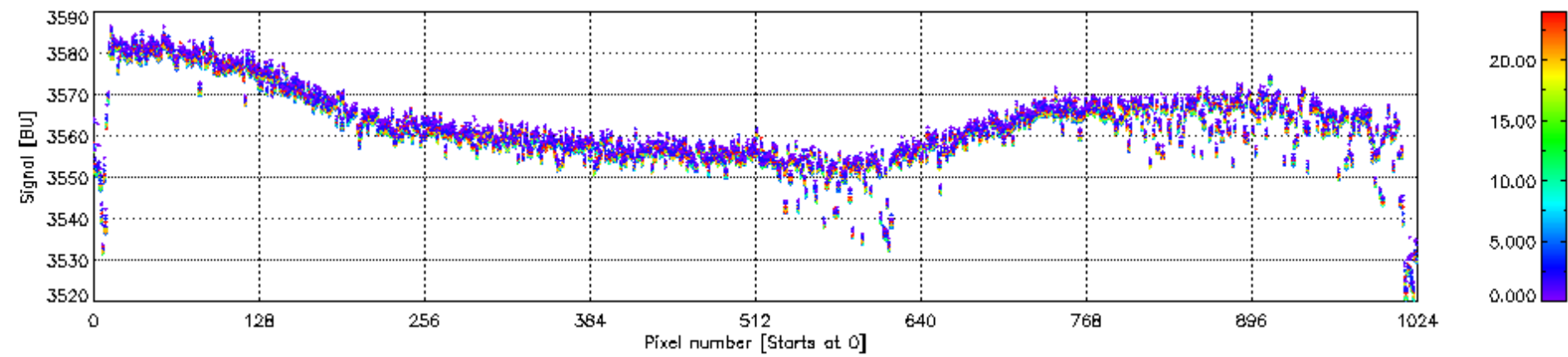
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 1 on 05APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 05APR2008 00:00:00



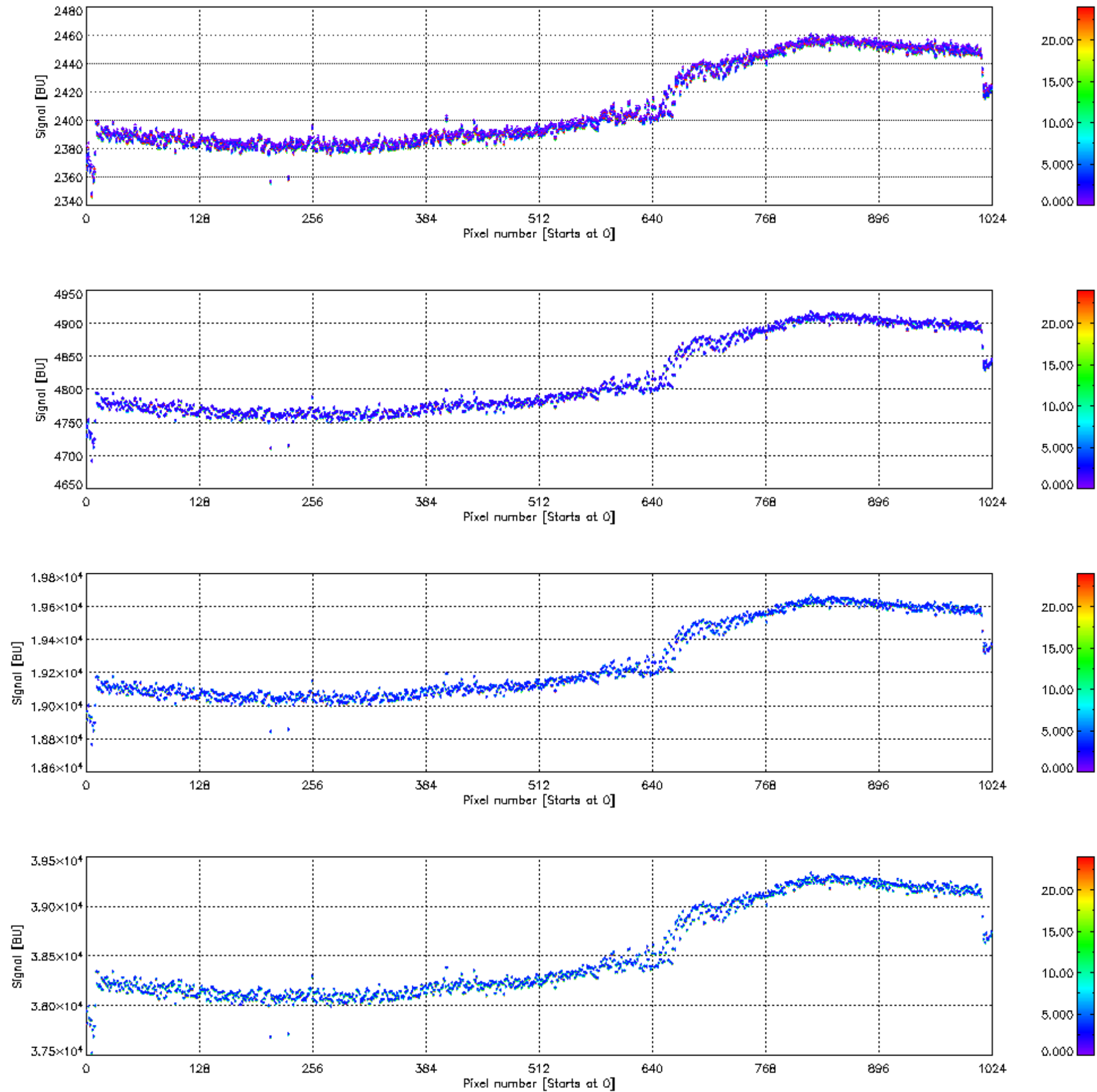
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 2 on 05APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 05APR2008 00:00:00



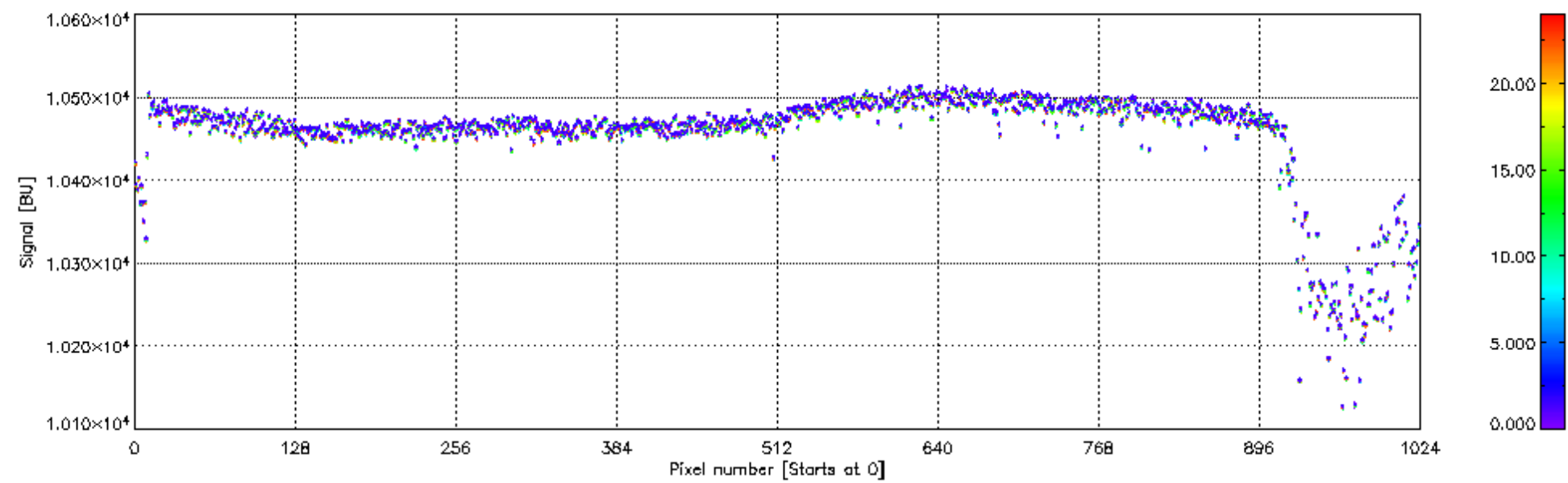
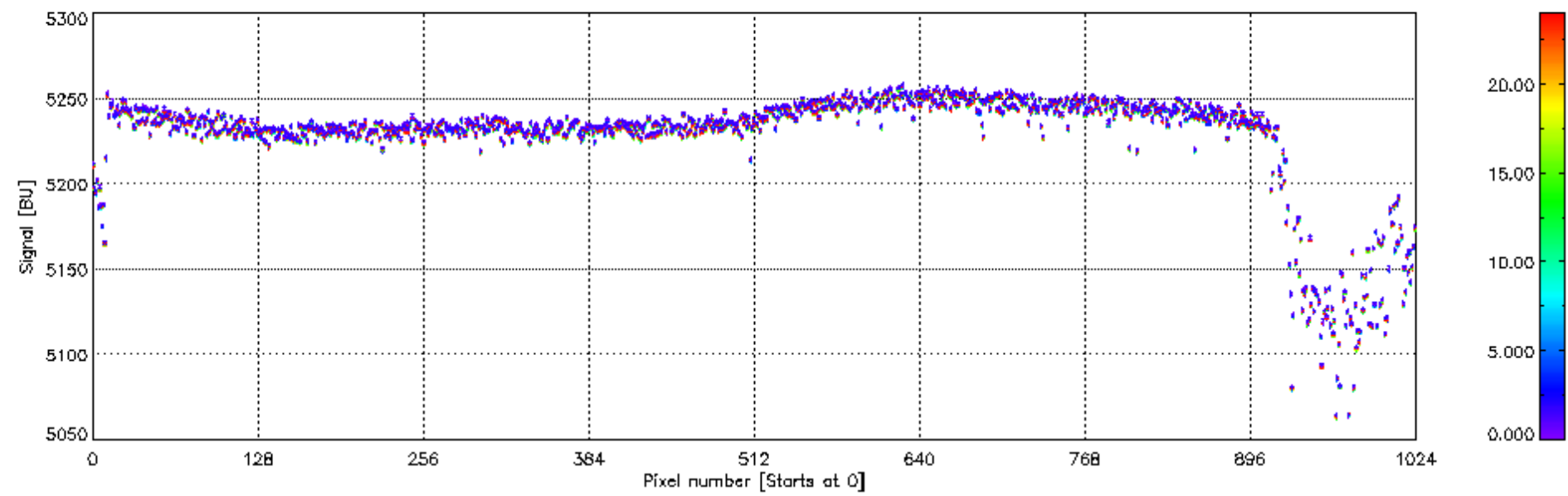
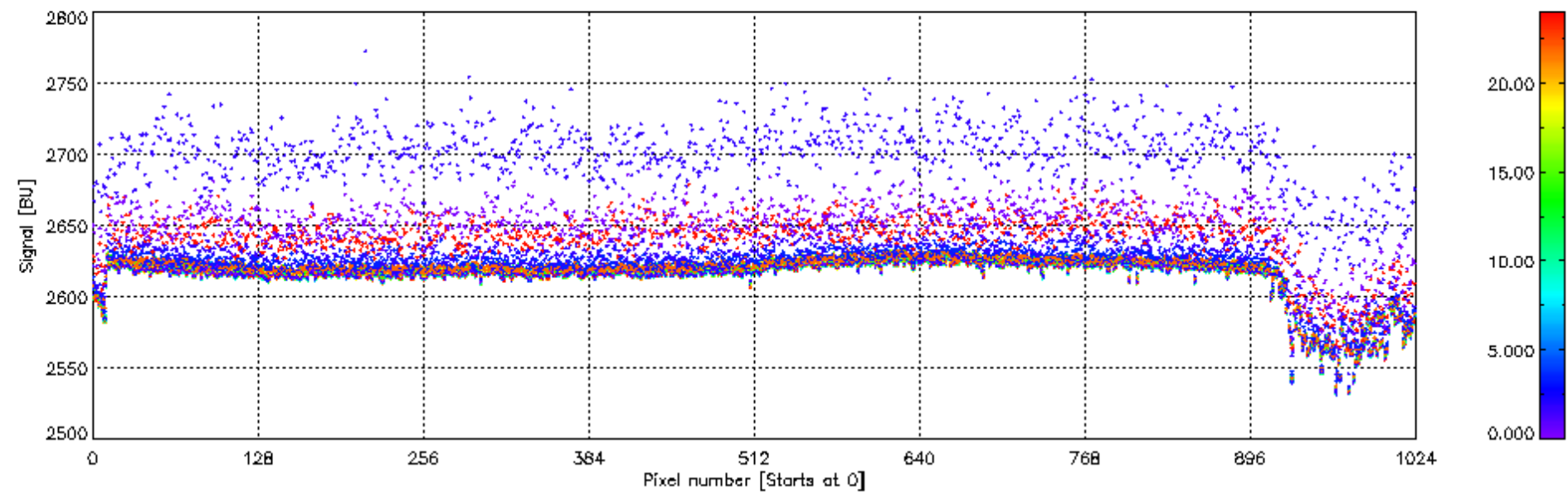
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 3 on 05APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 05APR2008 00:00:00



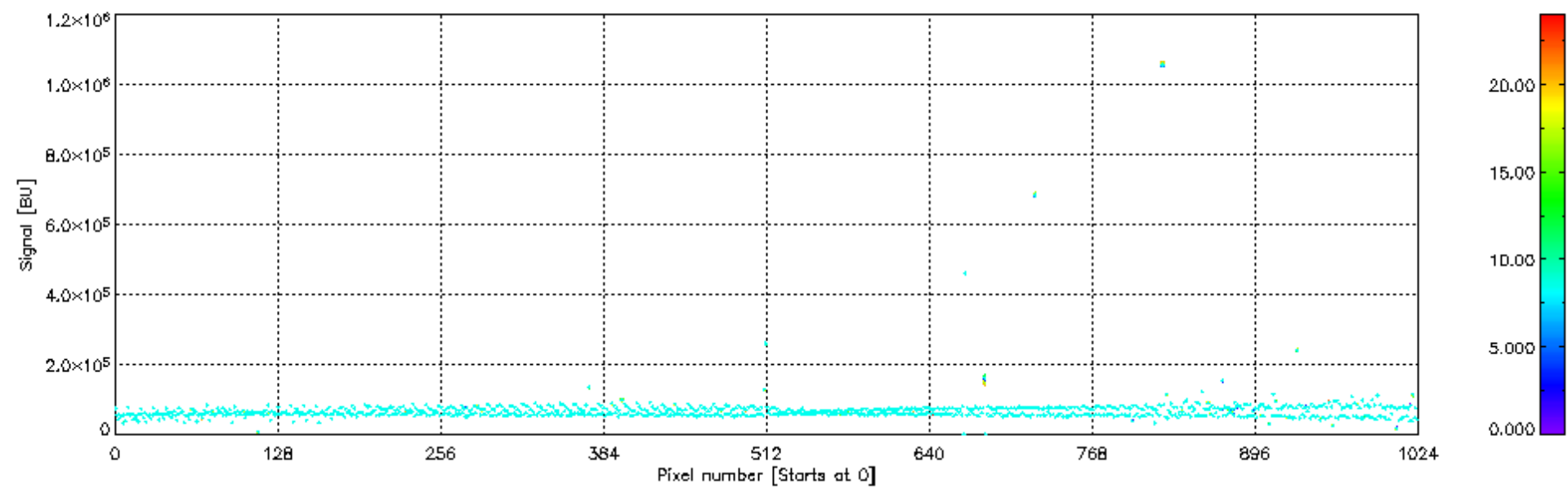
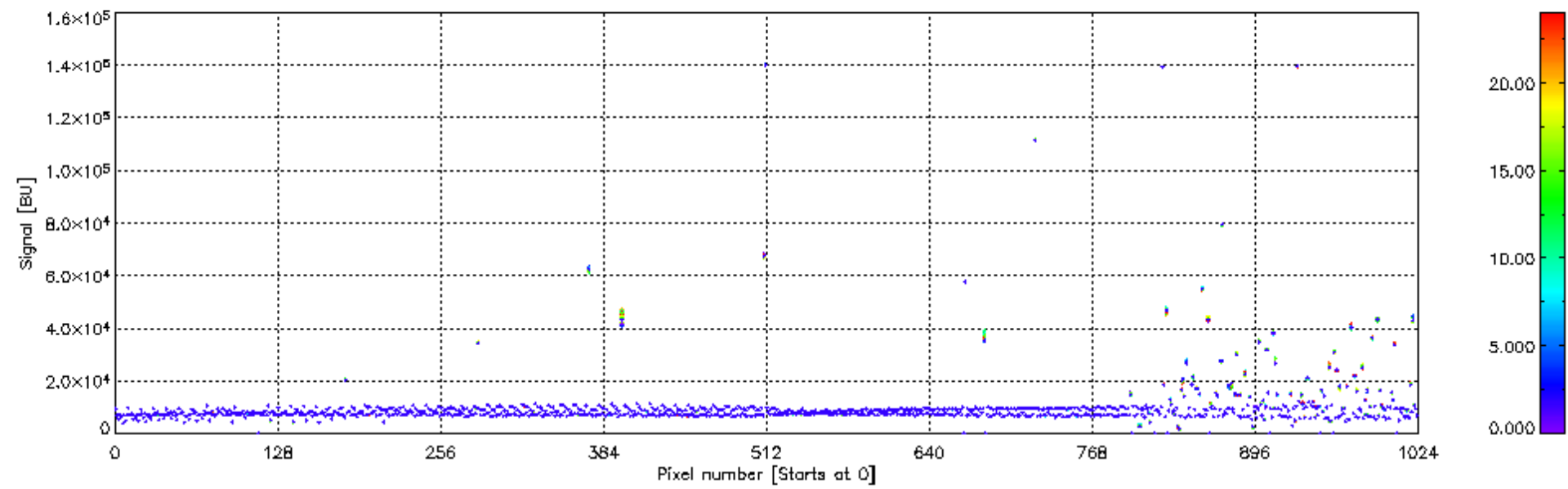
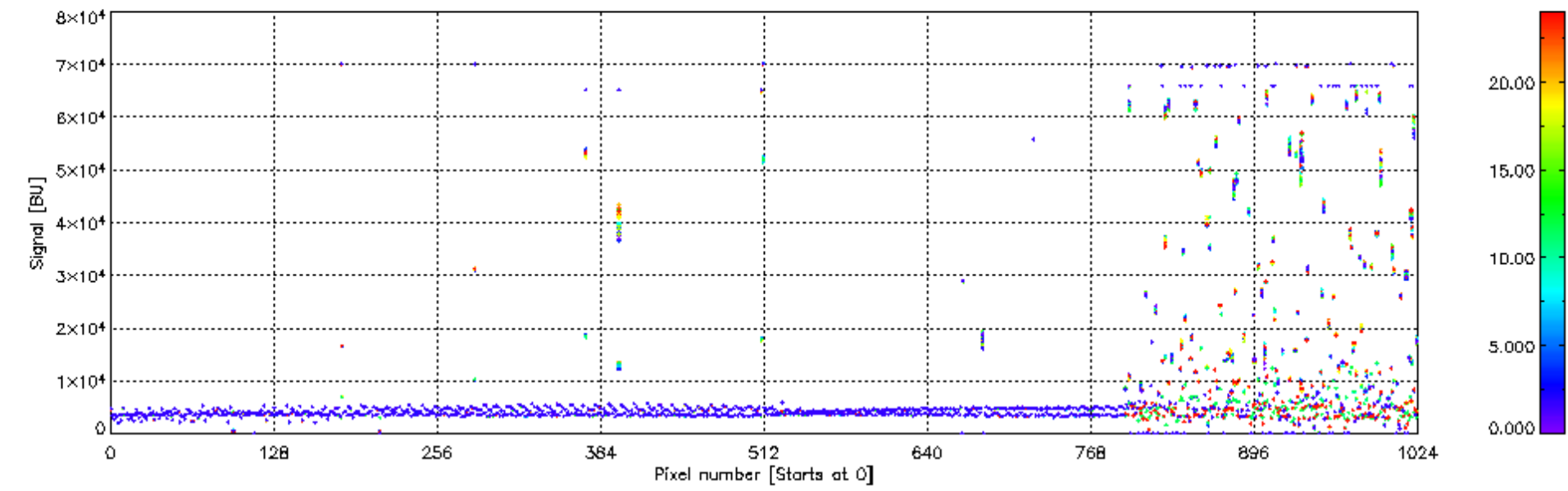
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 4 on 05APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 05APR2008 00:00:00



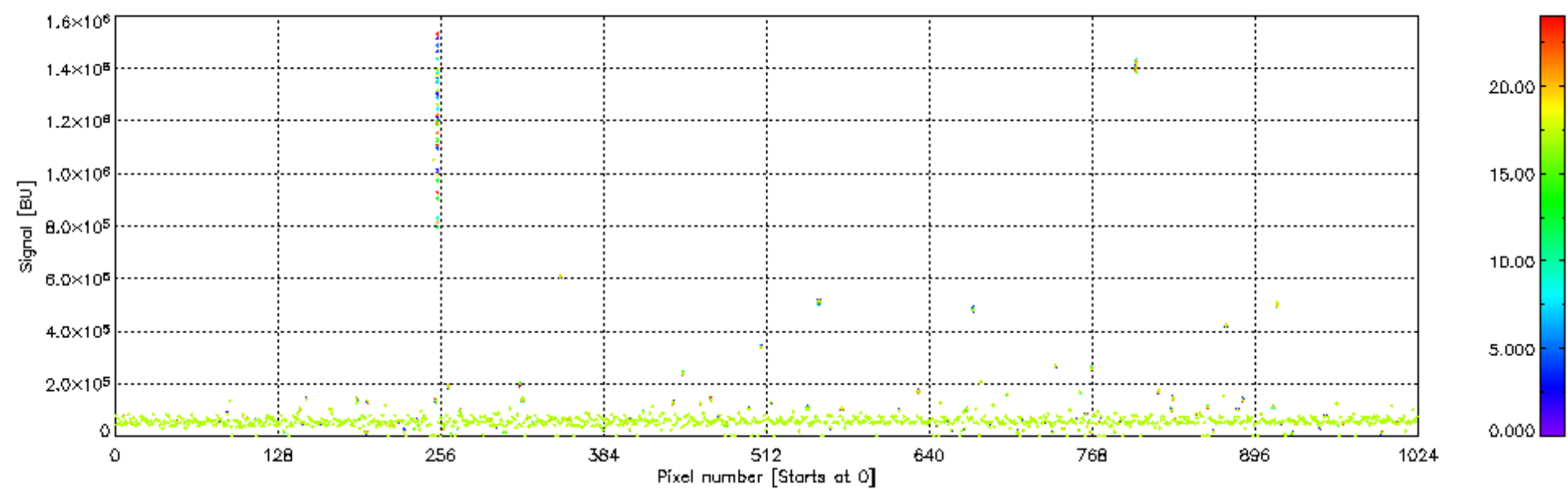
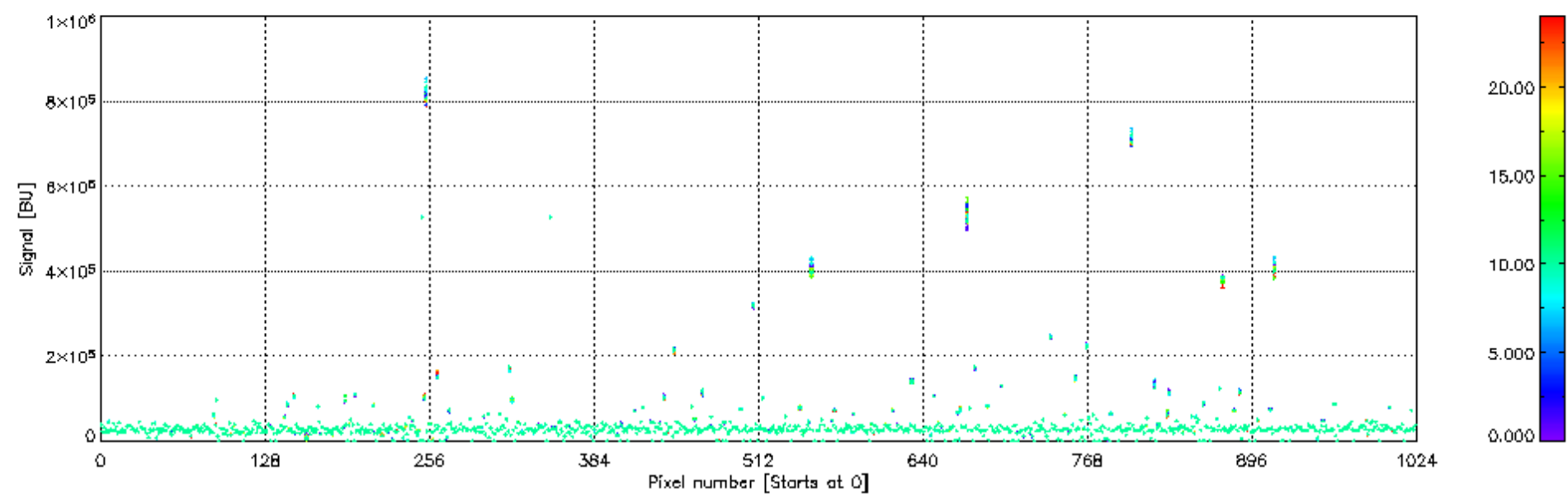
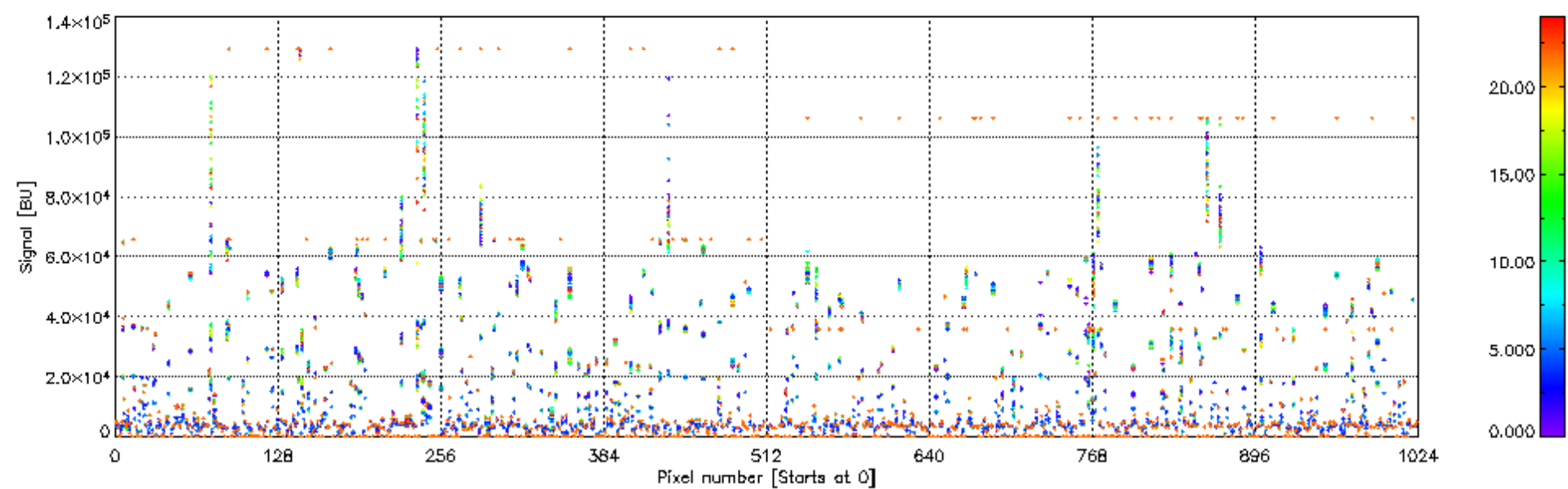
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 5 on 05APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 05APR2008 00:00:00



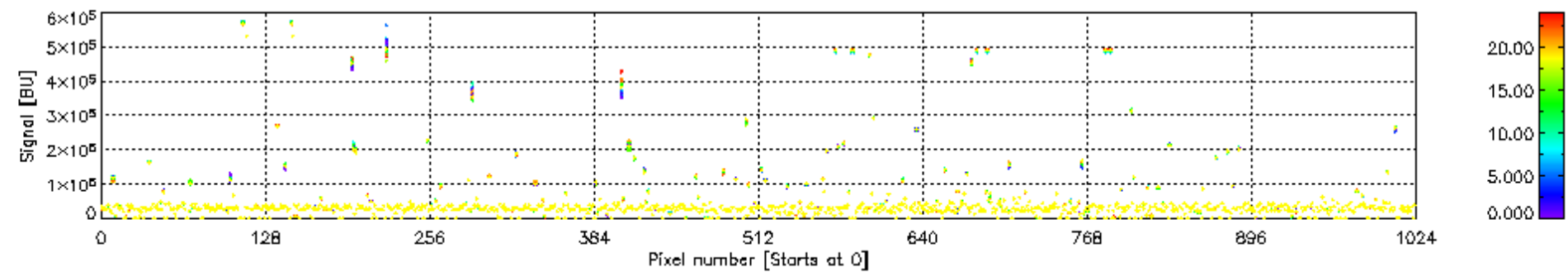
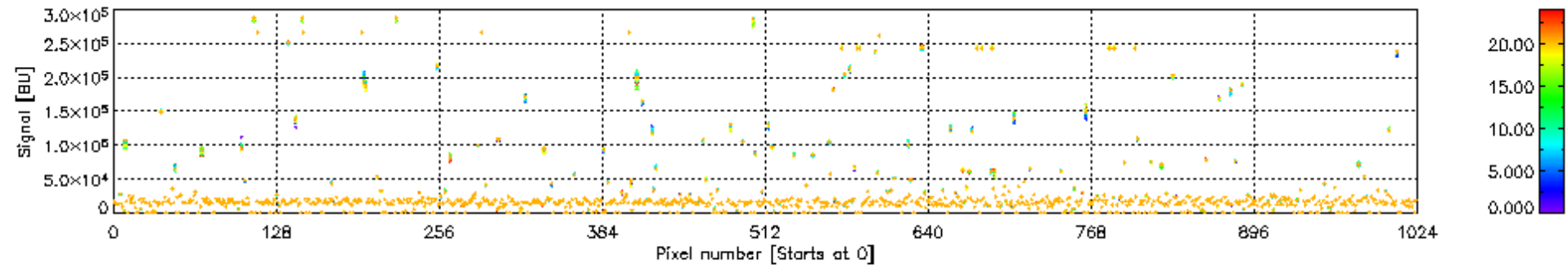
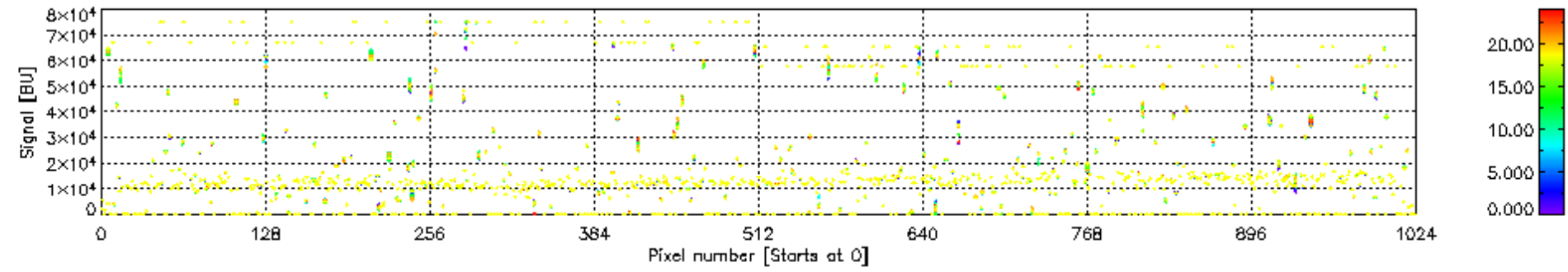
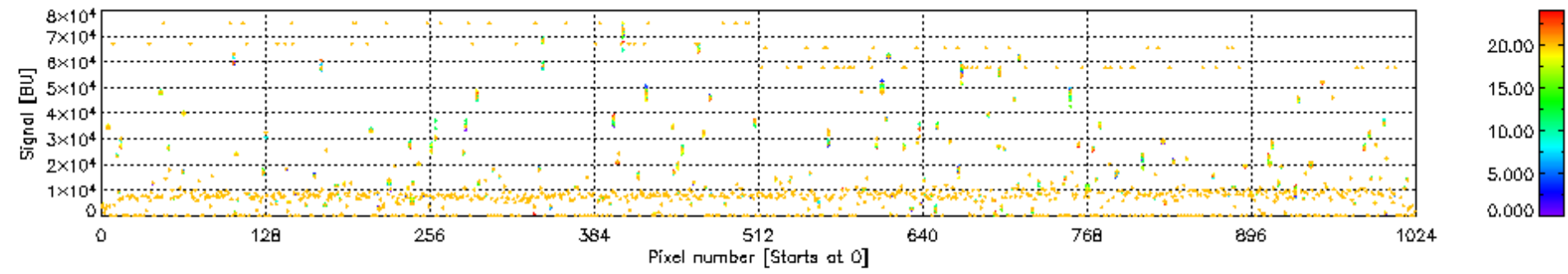
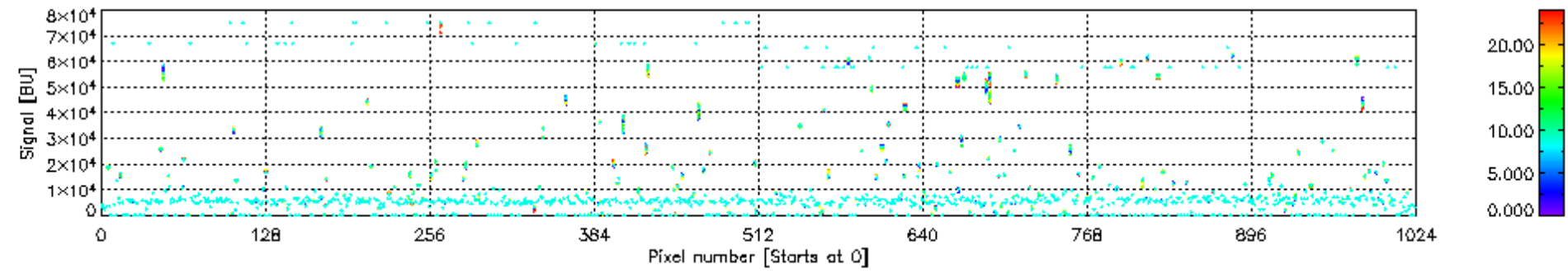
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 6 on 05APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 05APR2008 00:00:00



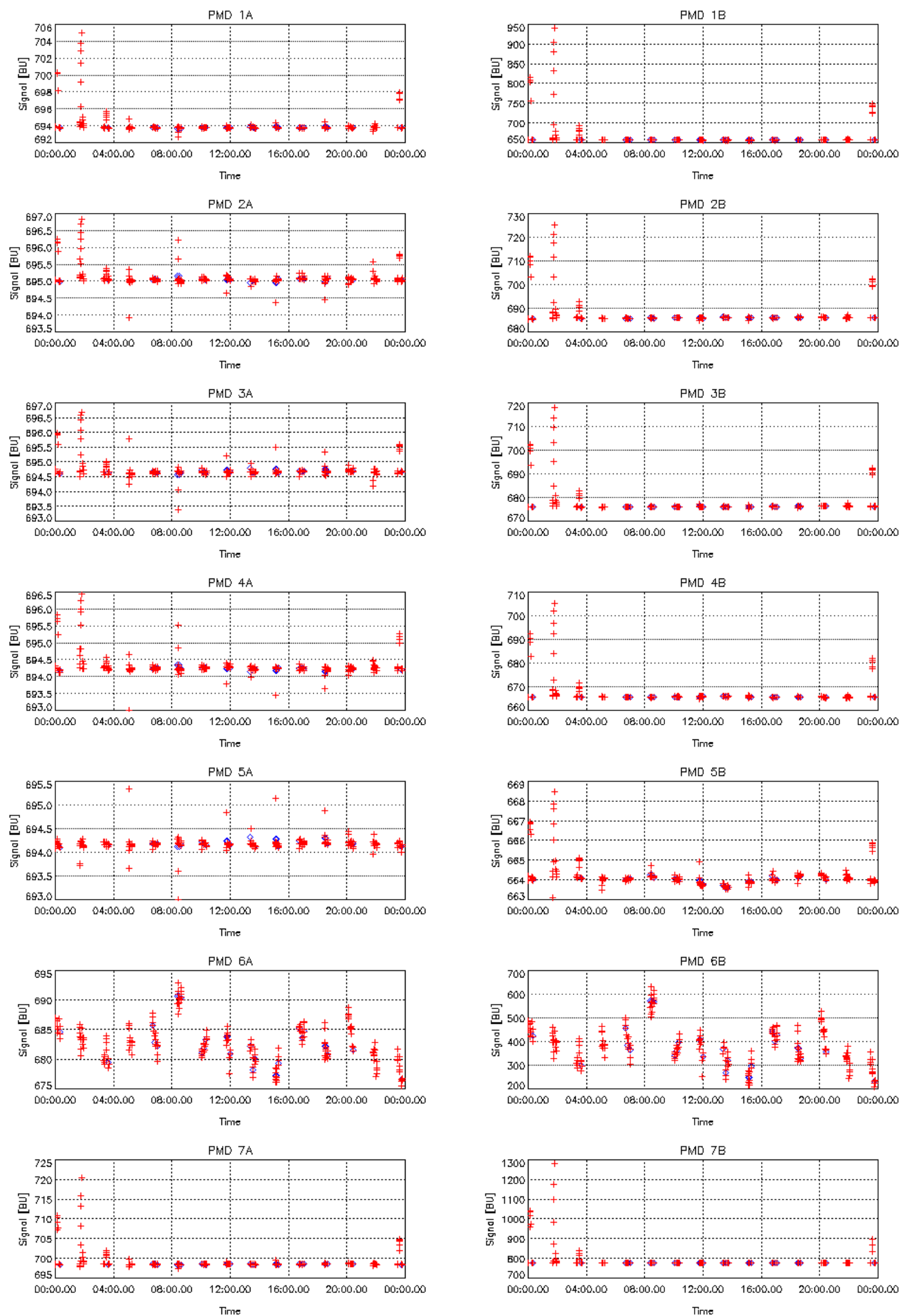
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 7 on 05APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 05APR2008 00:00:00

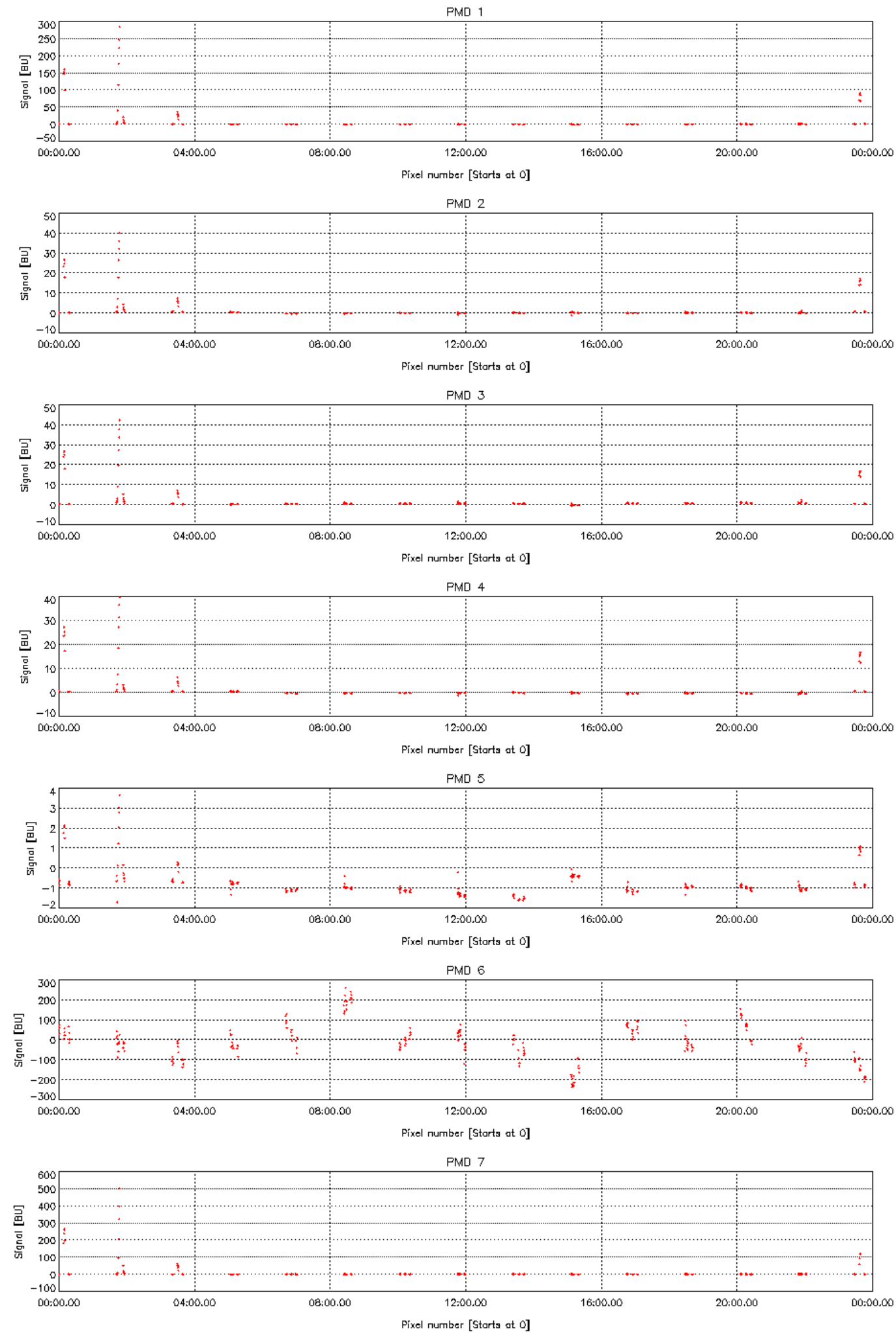


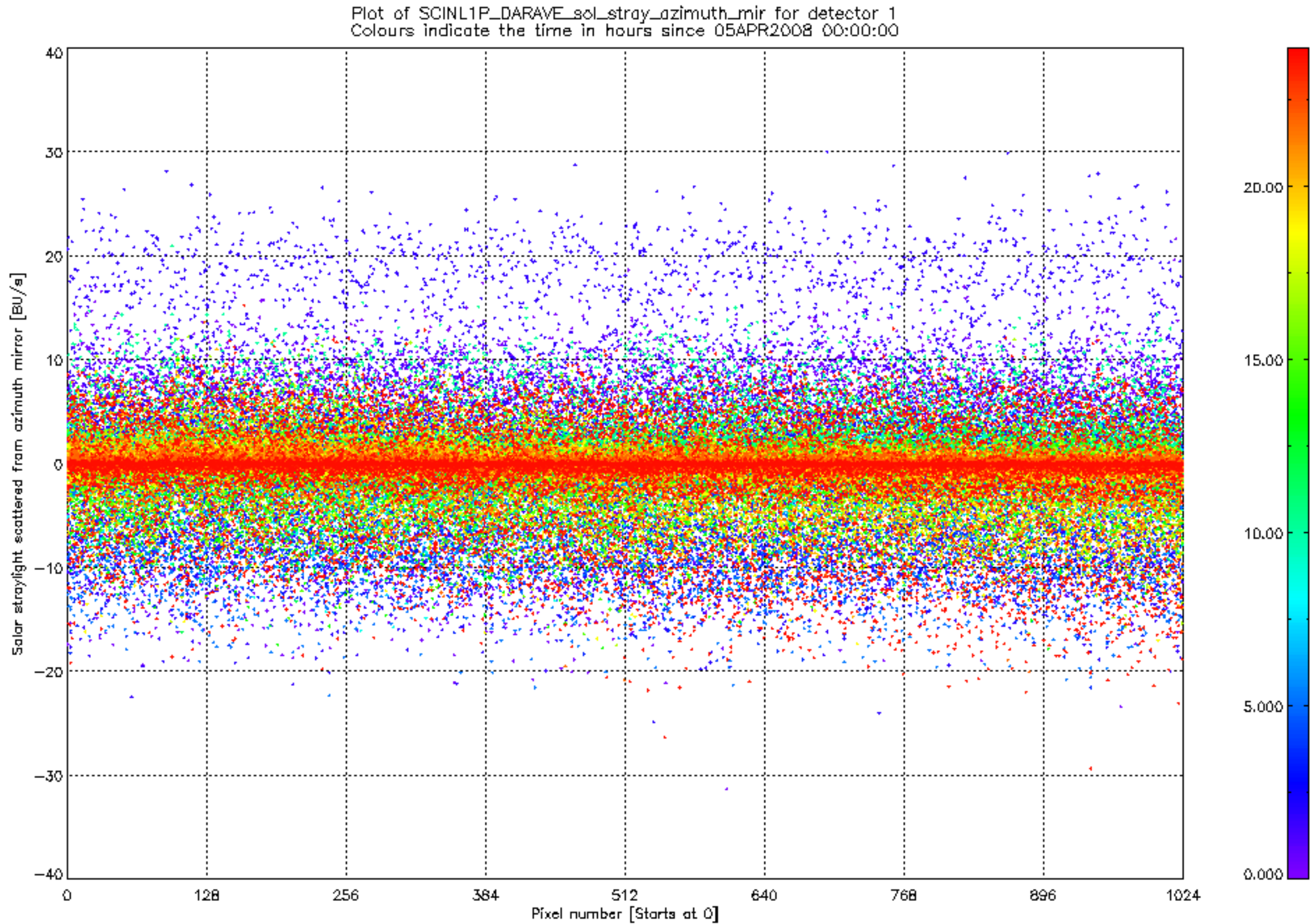
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 8 on 05APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 05APR2008 00:00:00

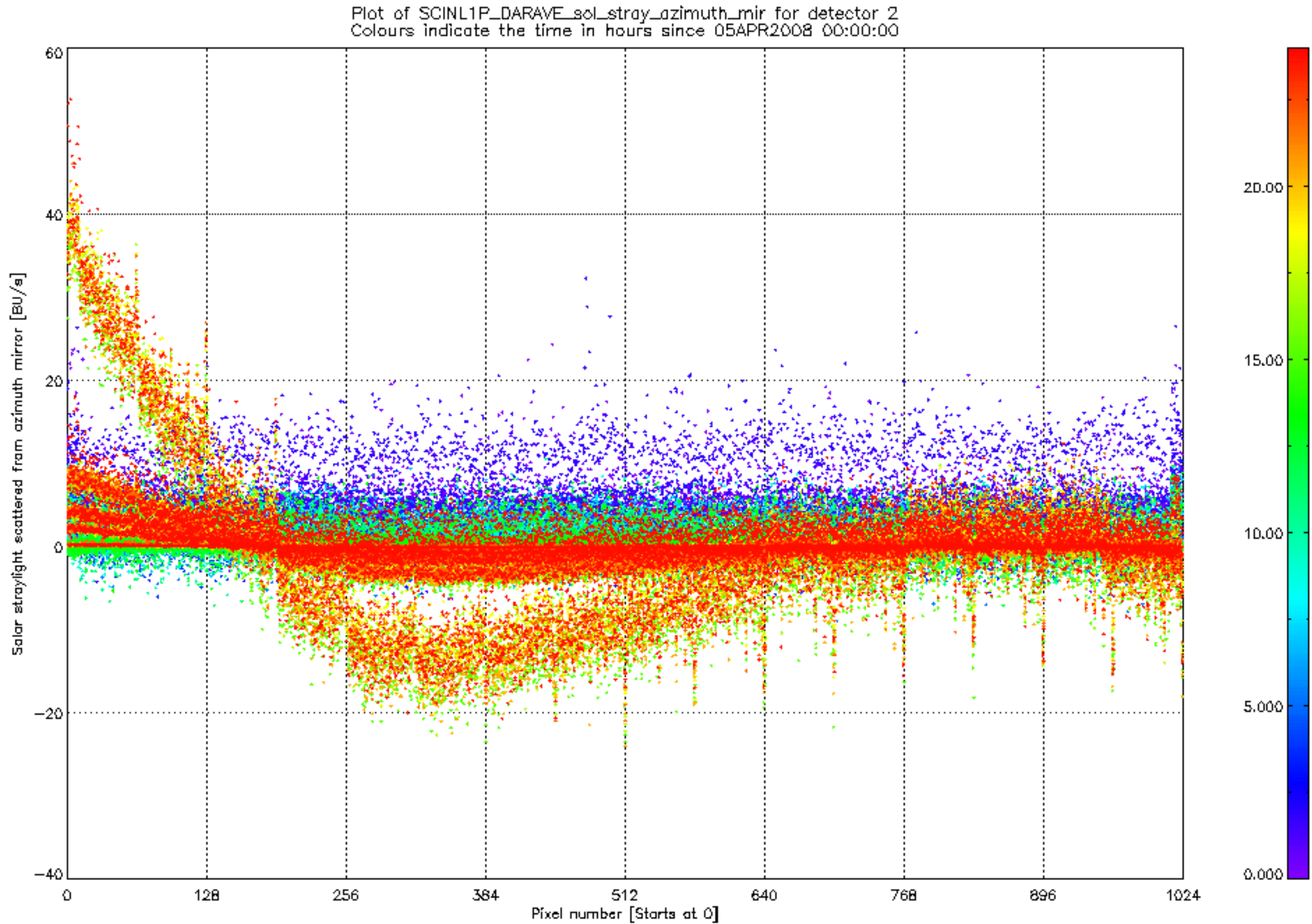


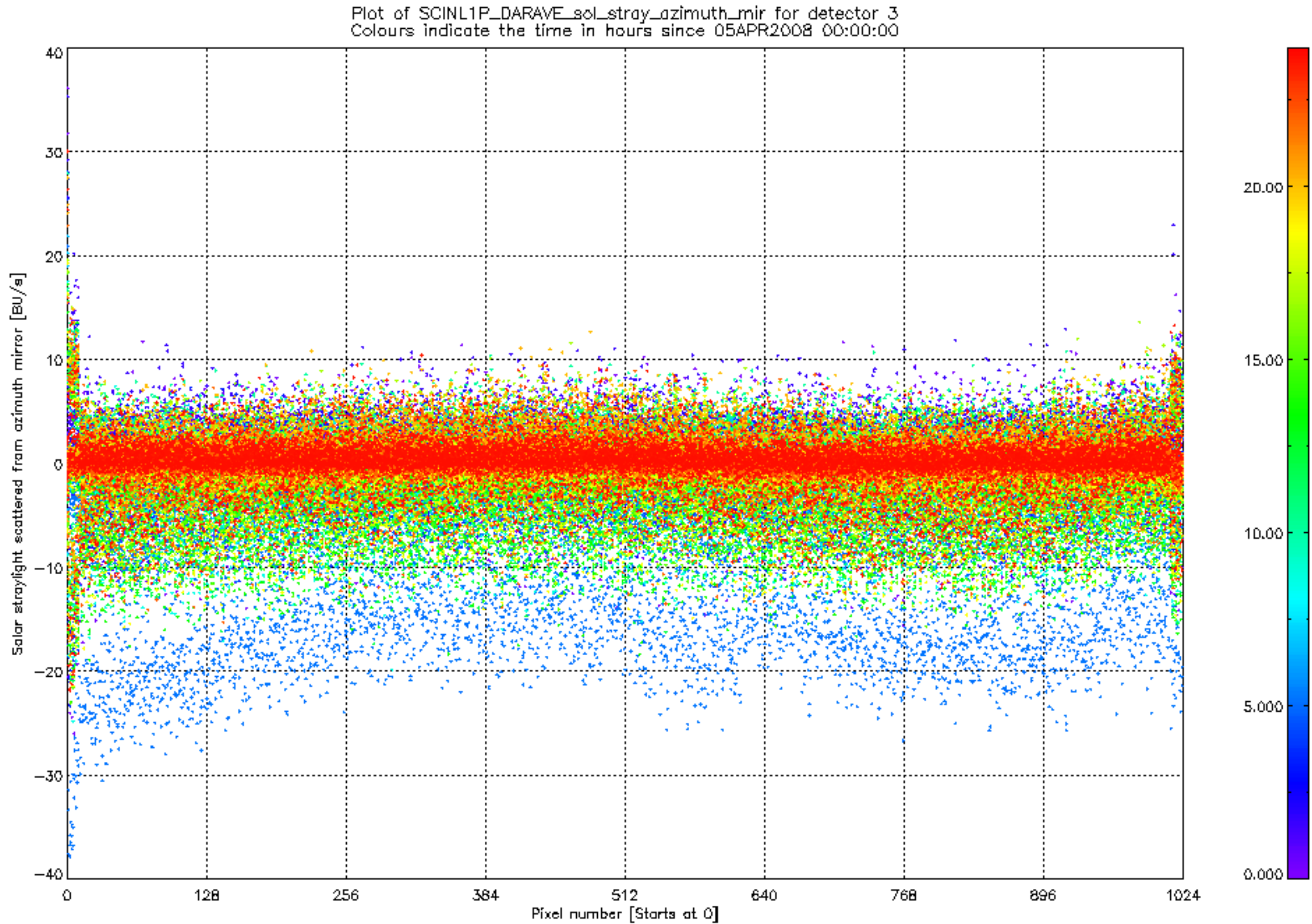
Plots of SCINL1P_DARAVE_pmd_dark_offset vs time on 05APR2008 (red).
New leakage current offset data is given in blue for comparison.

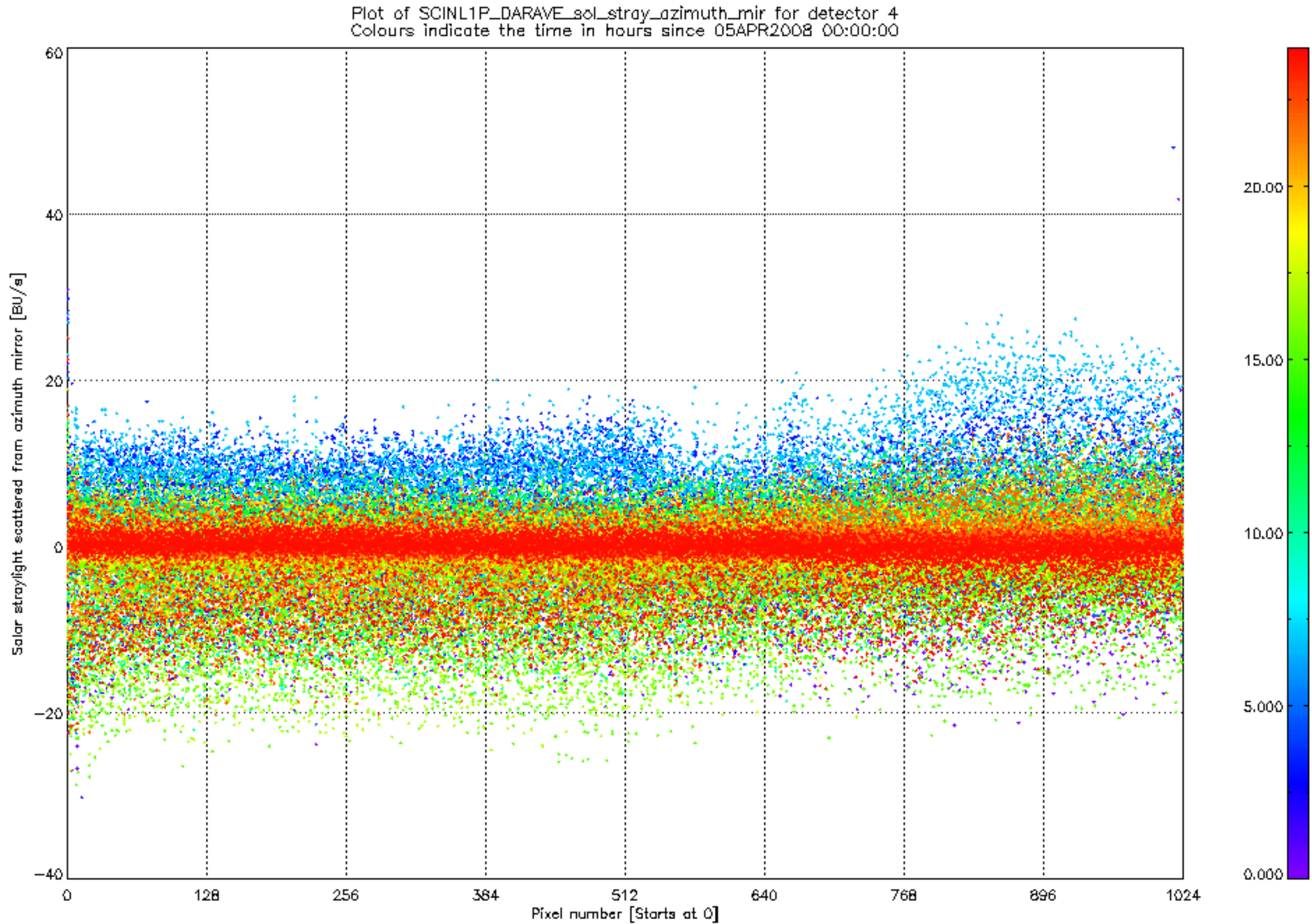


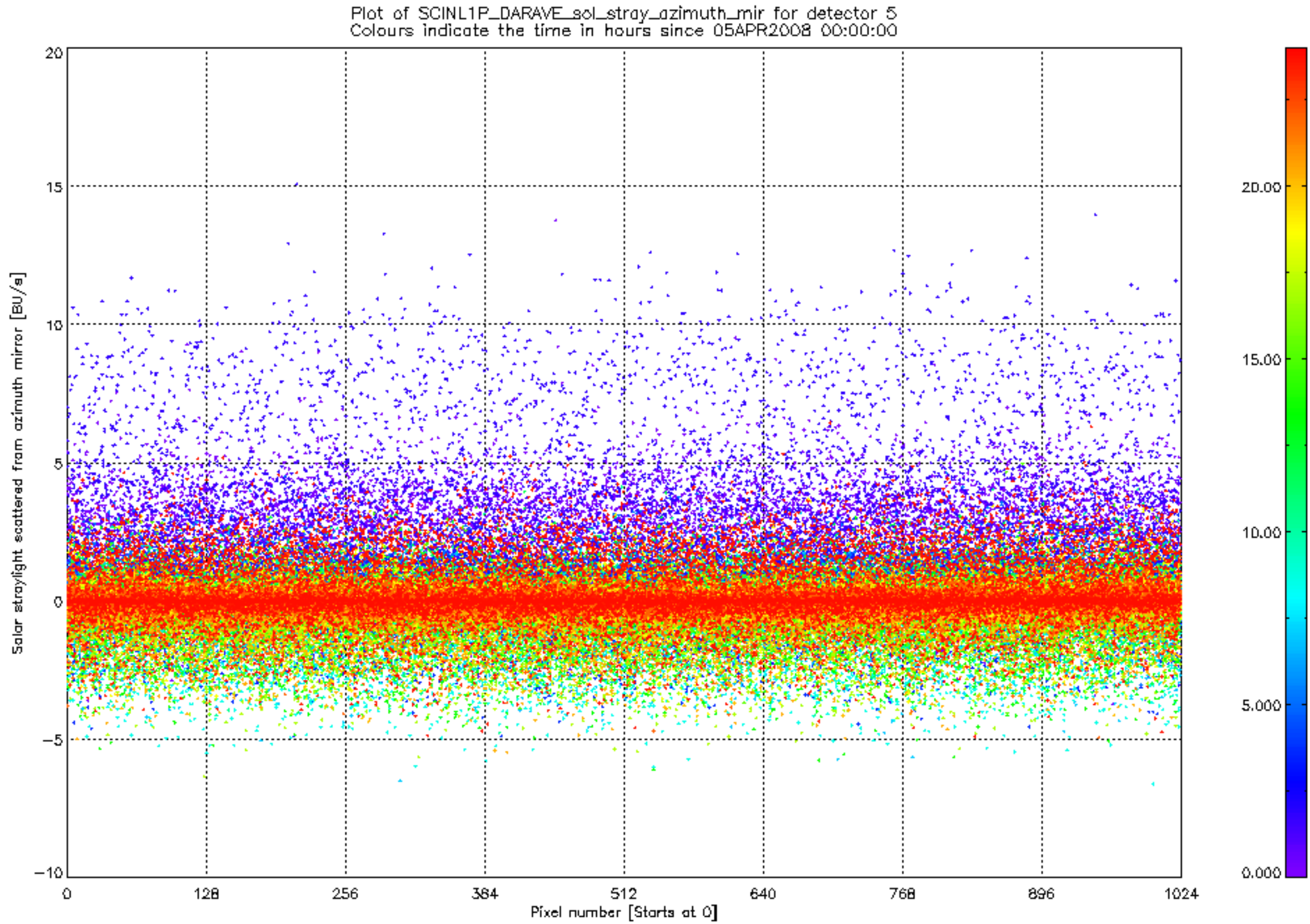


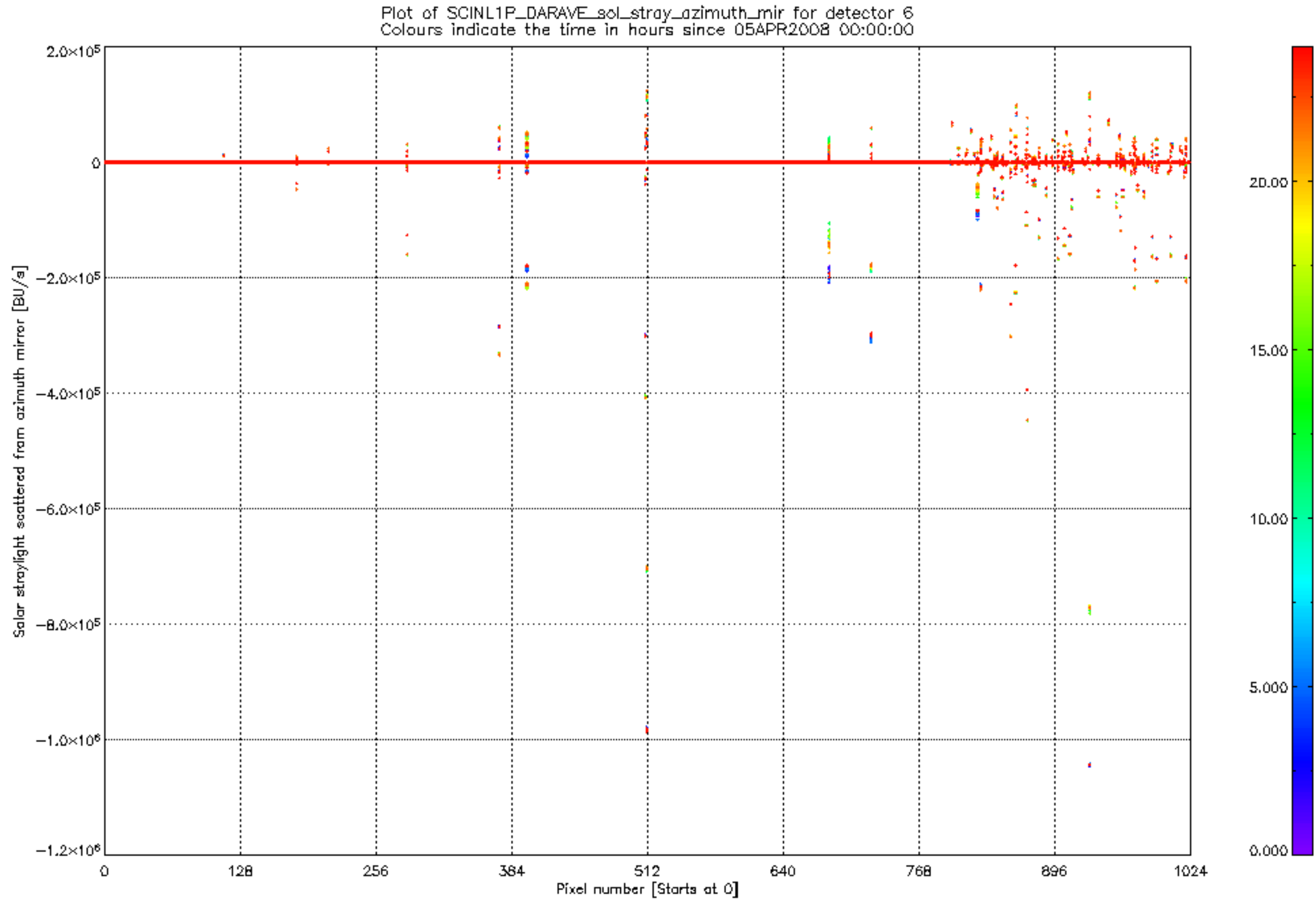




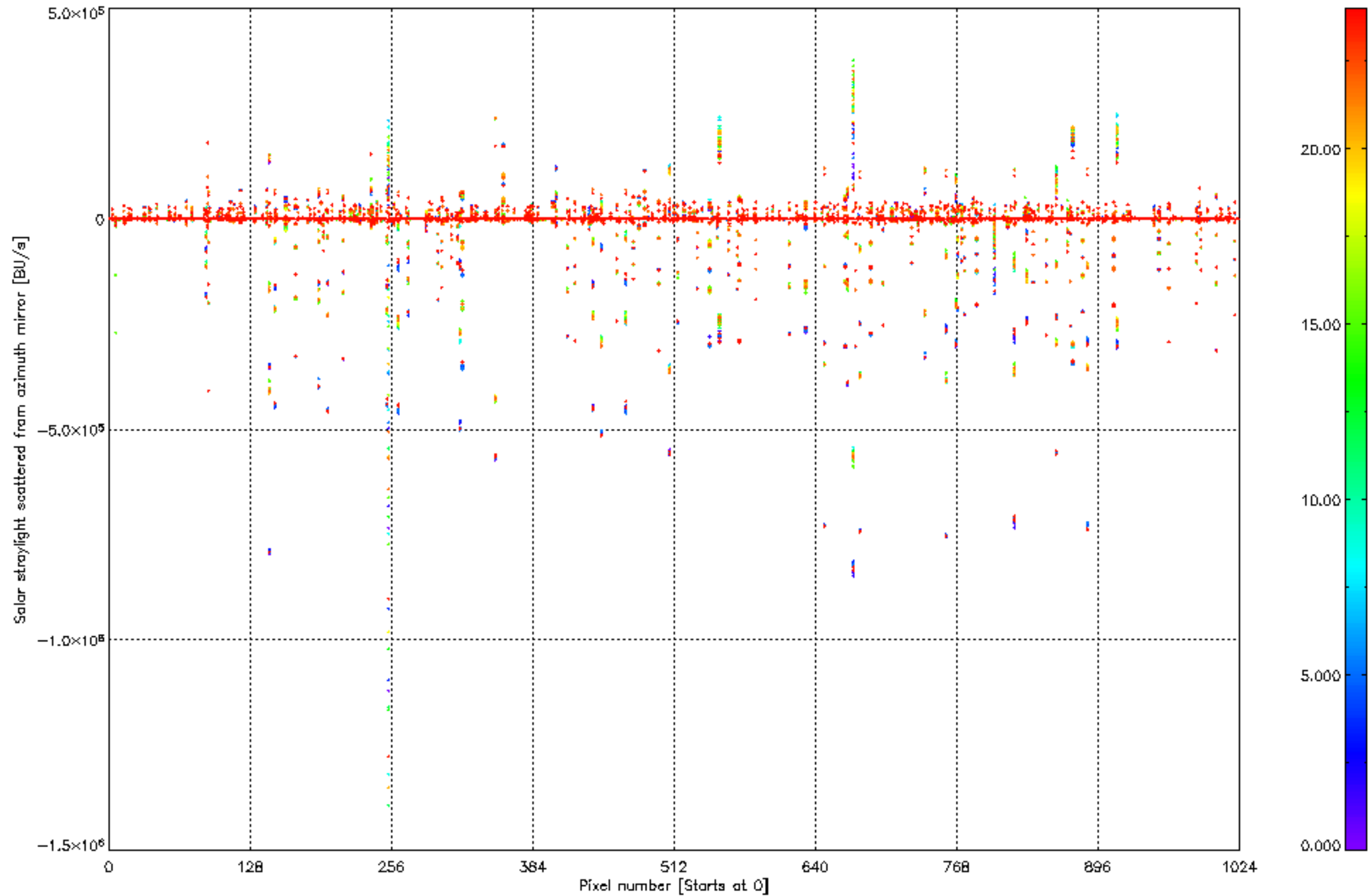


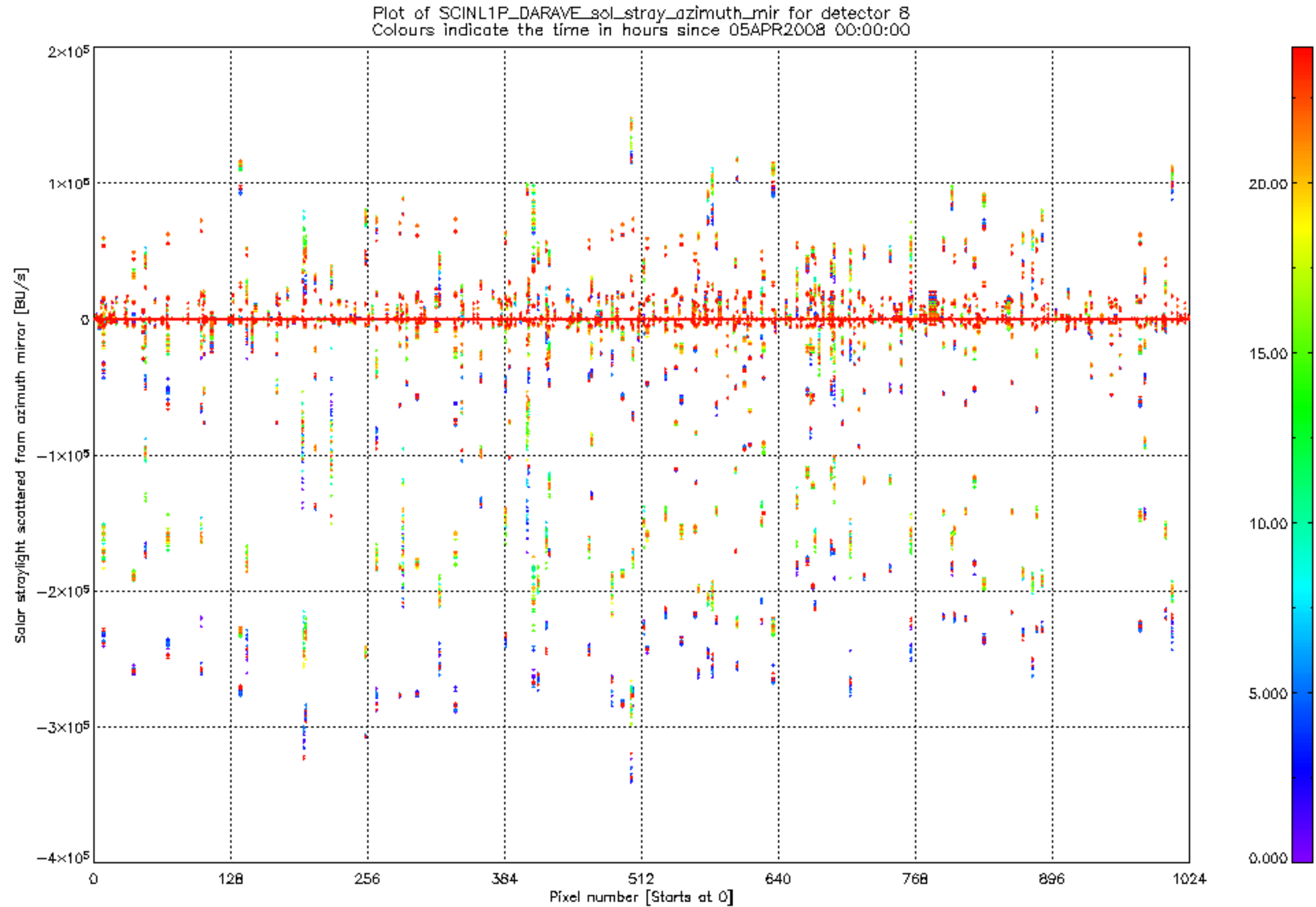




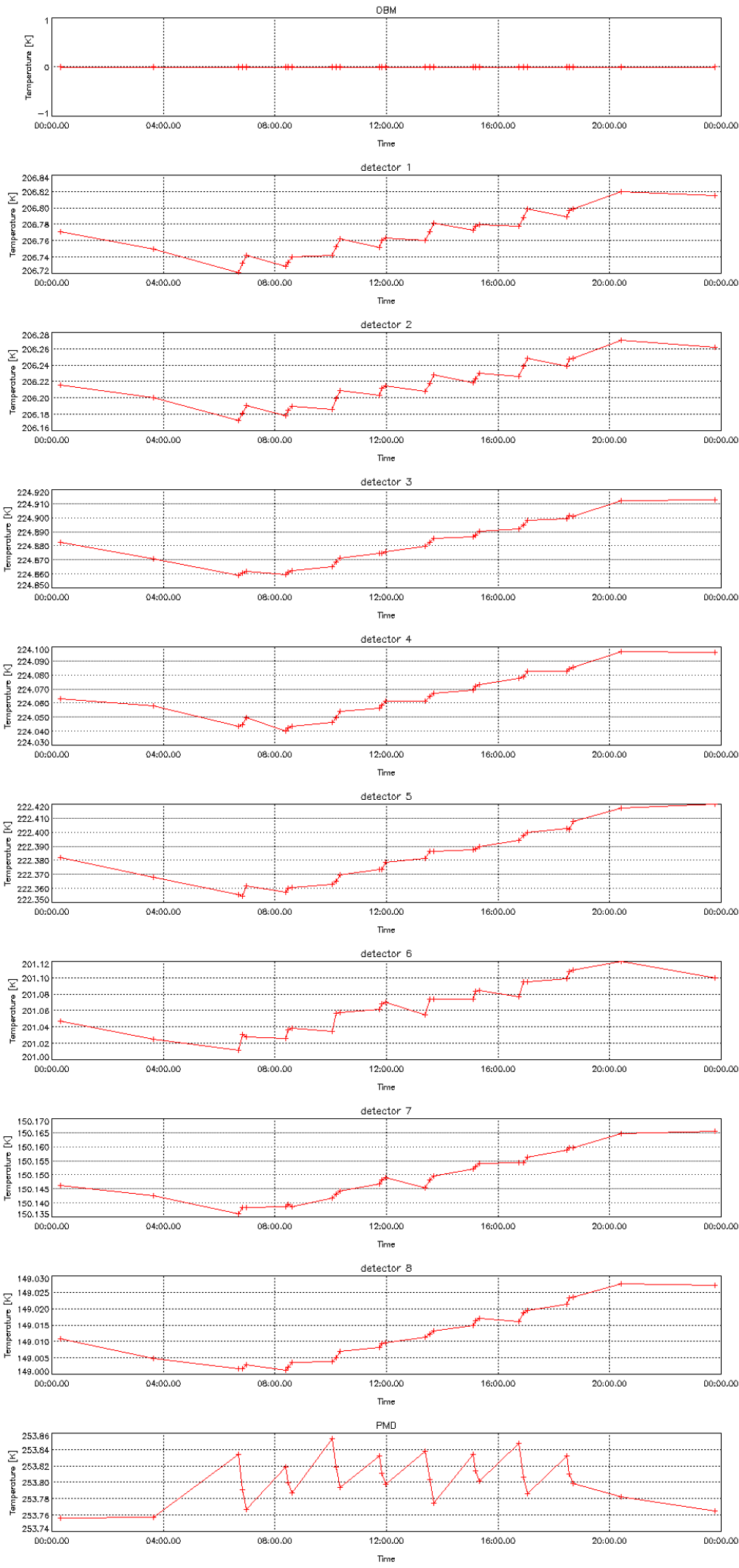


Plot of SCINL1P_DARAVE_sol_stray_azimuth_mir for detector 7
Colours indicate the time in hours since 05APR2008 00:00:00

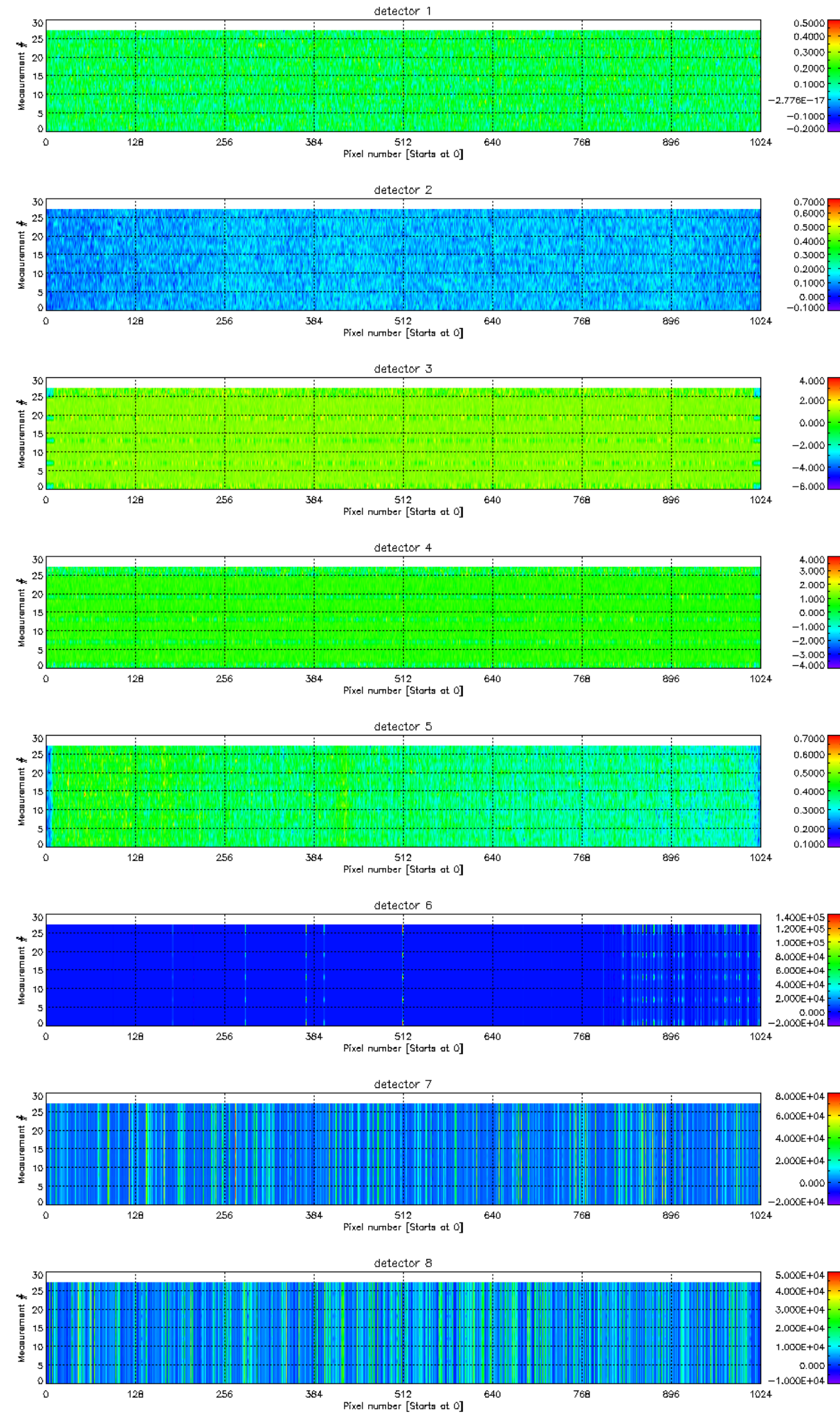




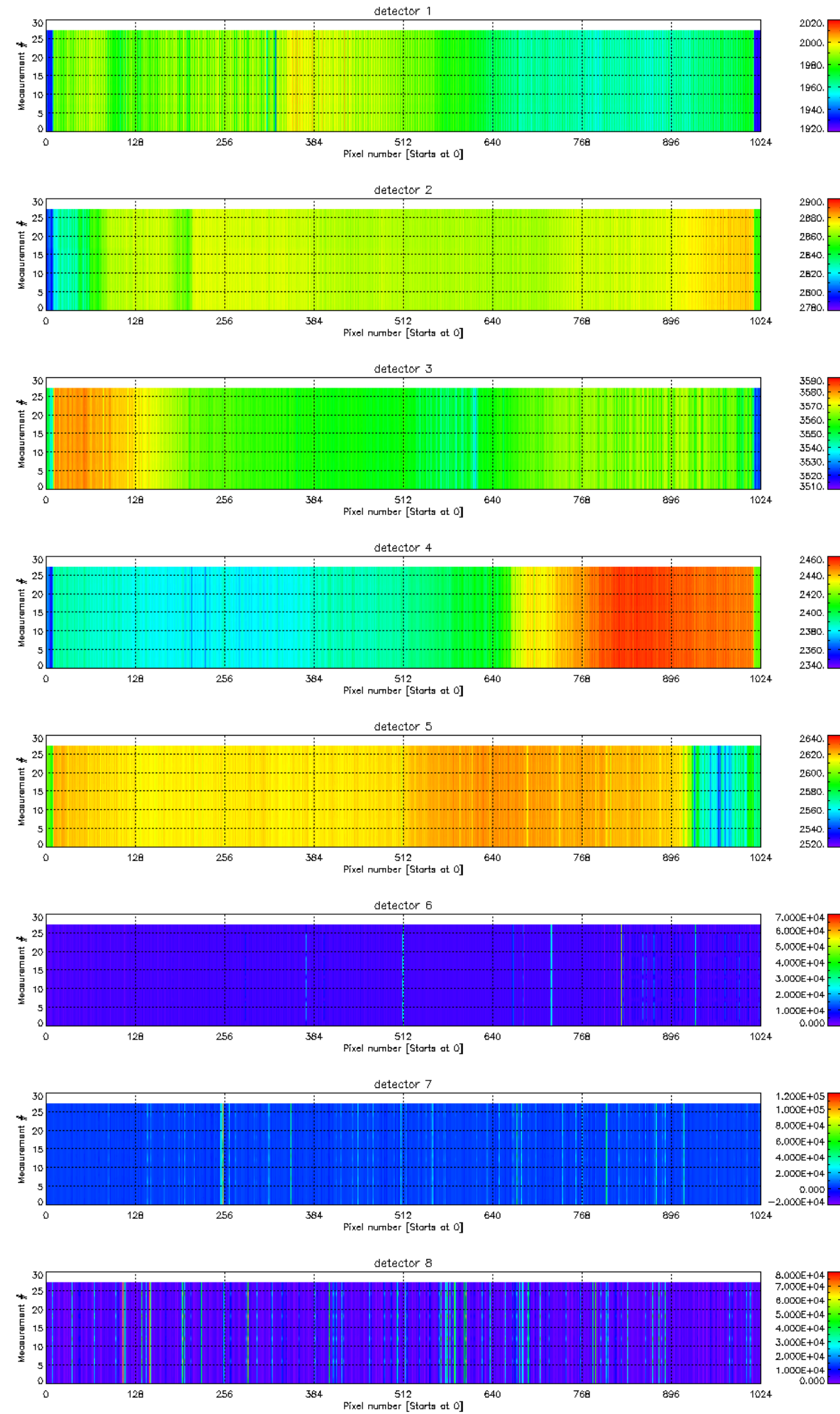
Plots of SCINL1P_NEWLEA_obm_det_prnd temperatures vs time on 05APR2008.



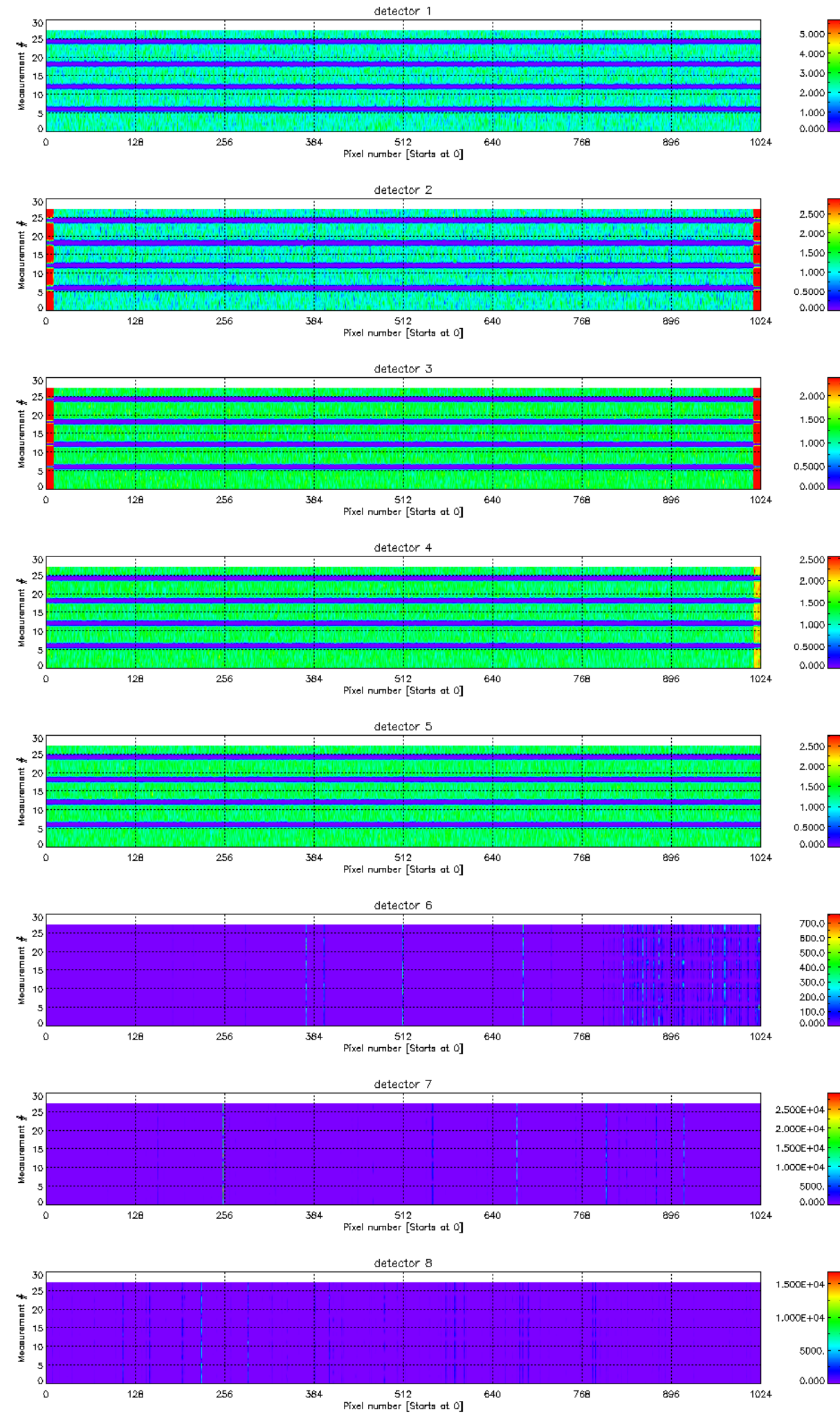
Plots of SCINL1P_NEWLEA_leak_cur for various detectors on 05APR2008.
Colours indicate the value in BU/s.



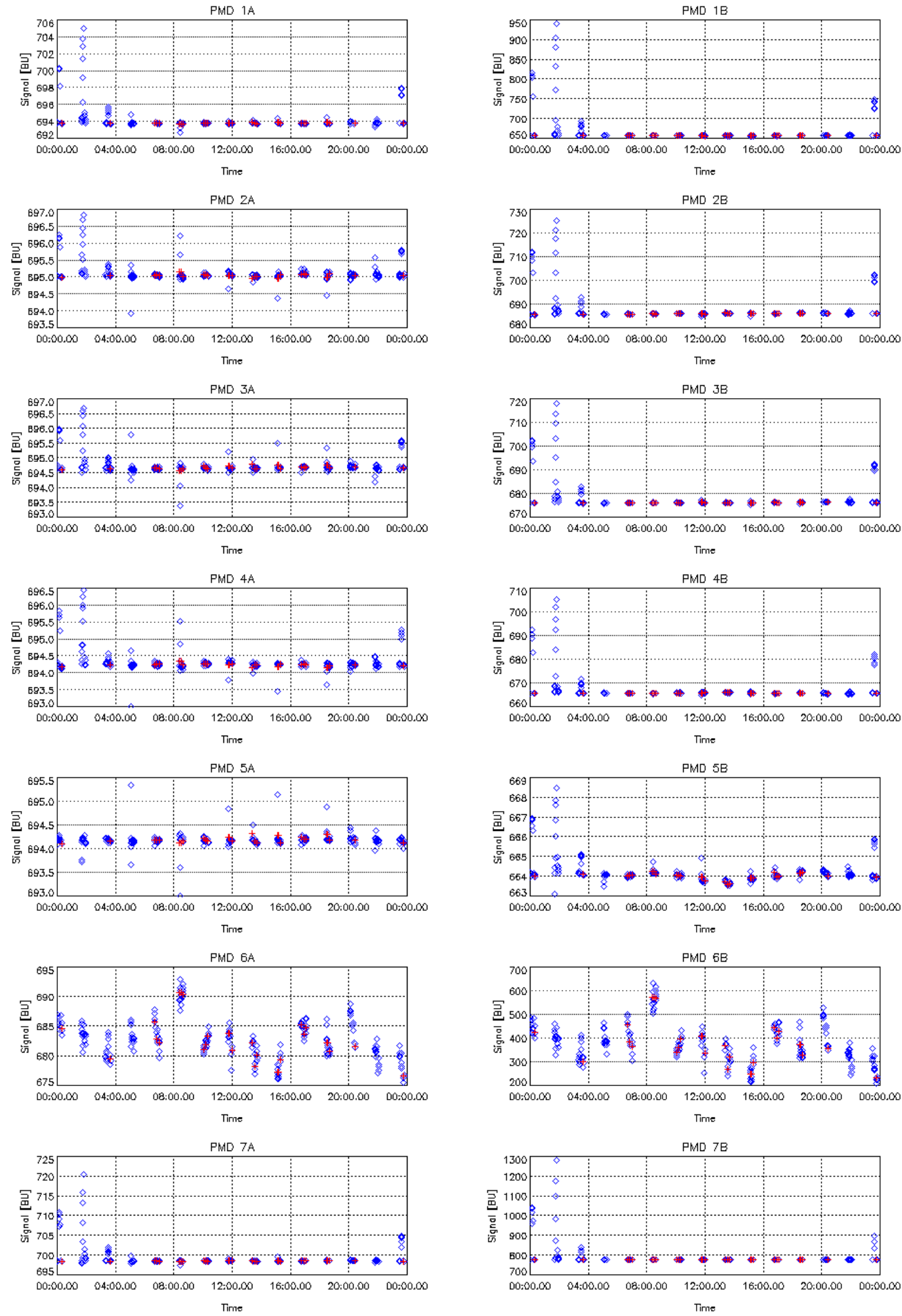
Plots of SCINL1P_NEWLEA_fpn for various detectors on 05APR2008.
Colours indicate the value in BU.

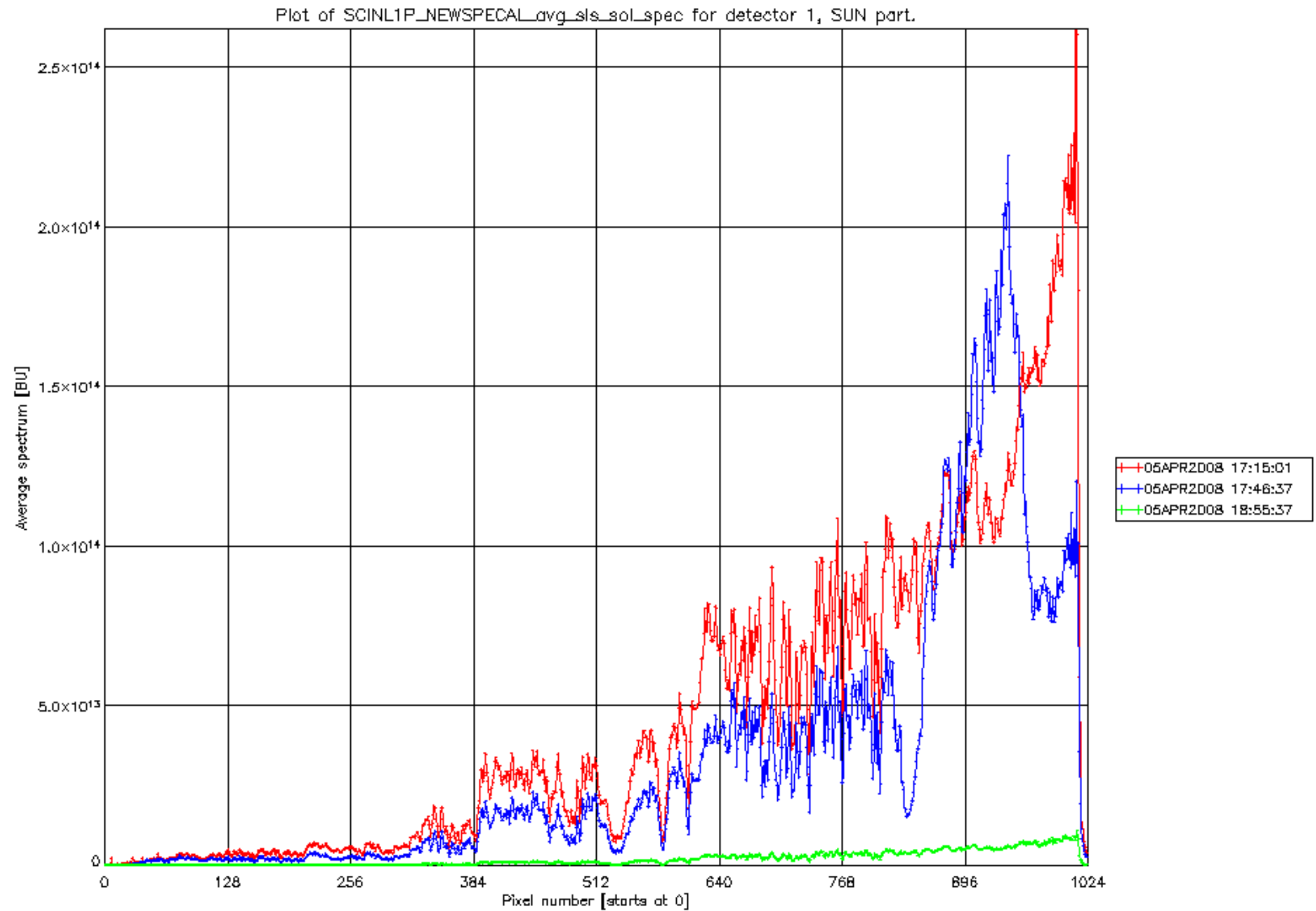


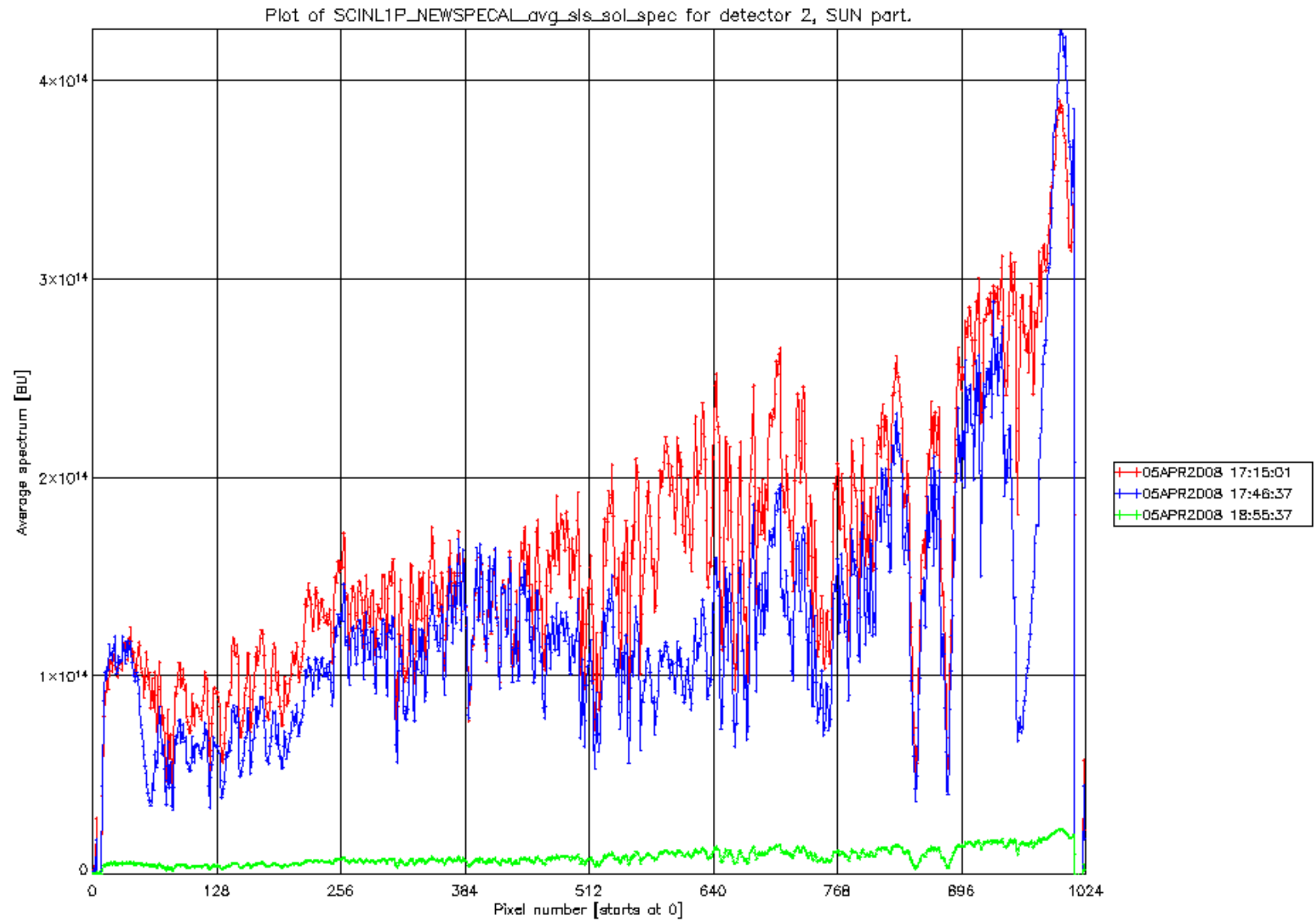
Plots of SCINL1P_NEWLEA_mean_noise for various detectors on 05APR2008.
Colours indicate the value in BU.

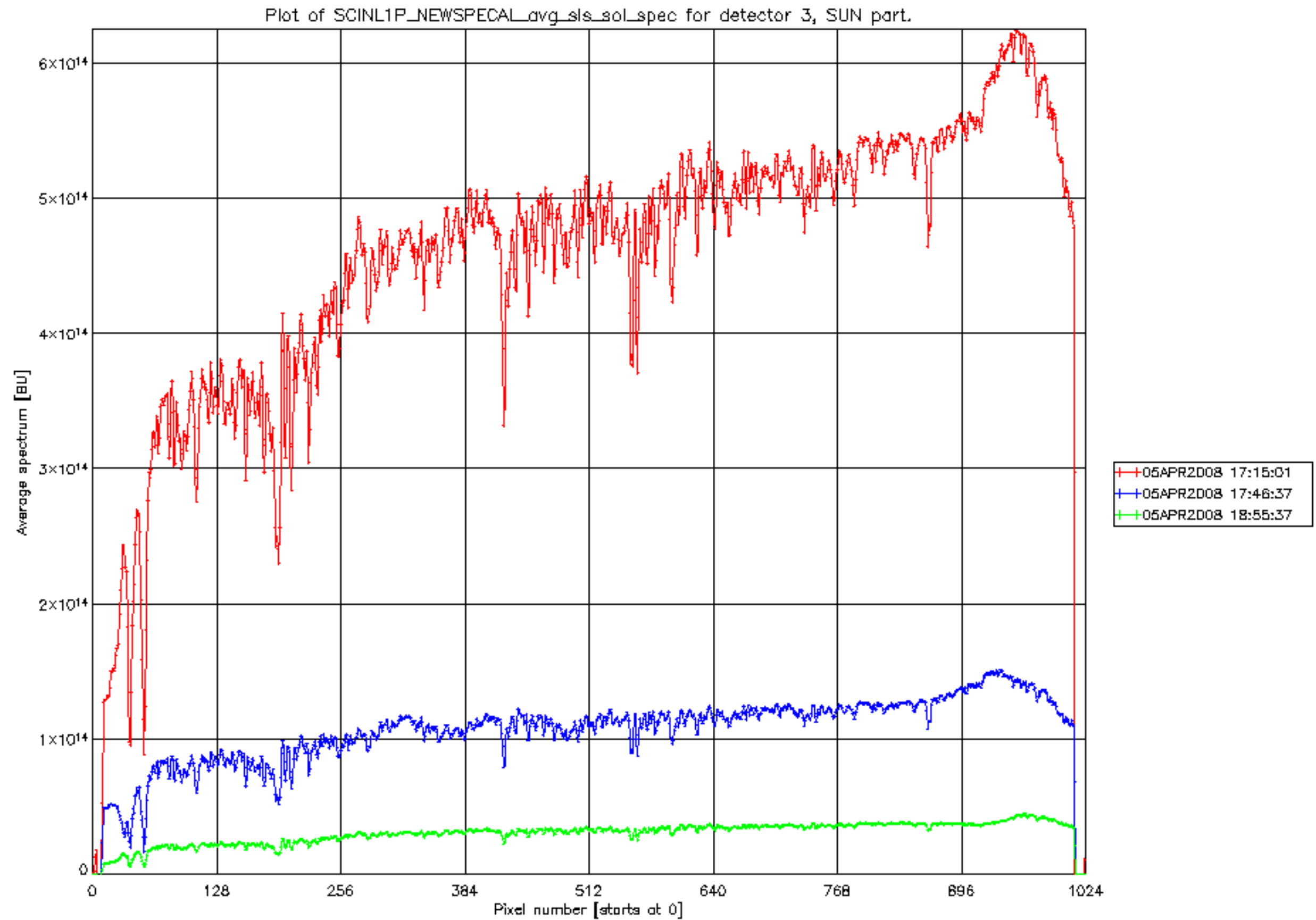


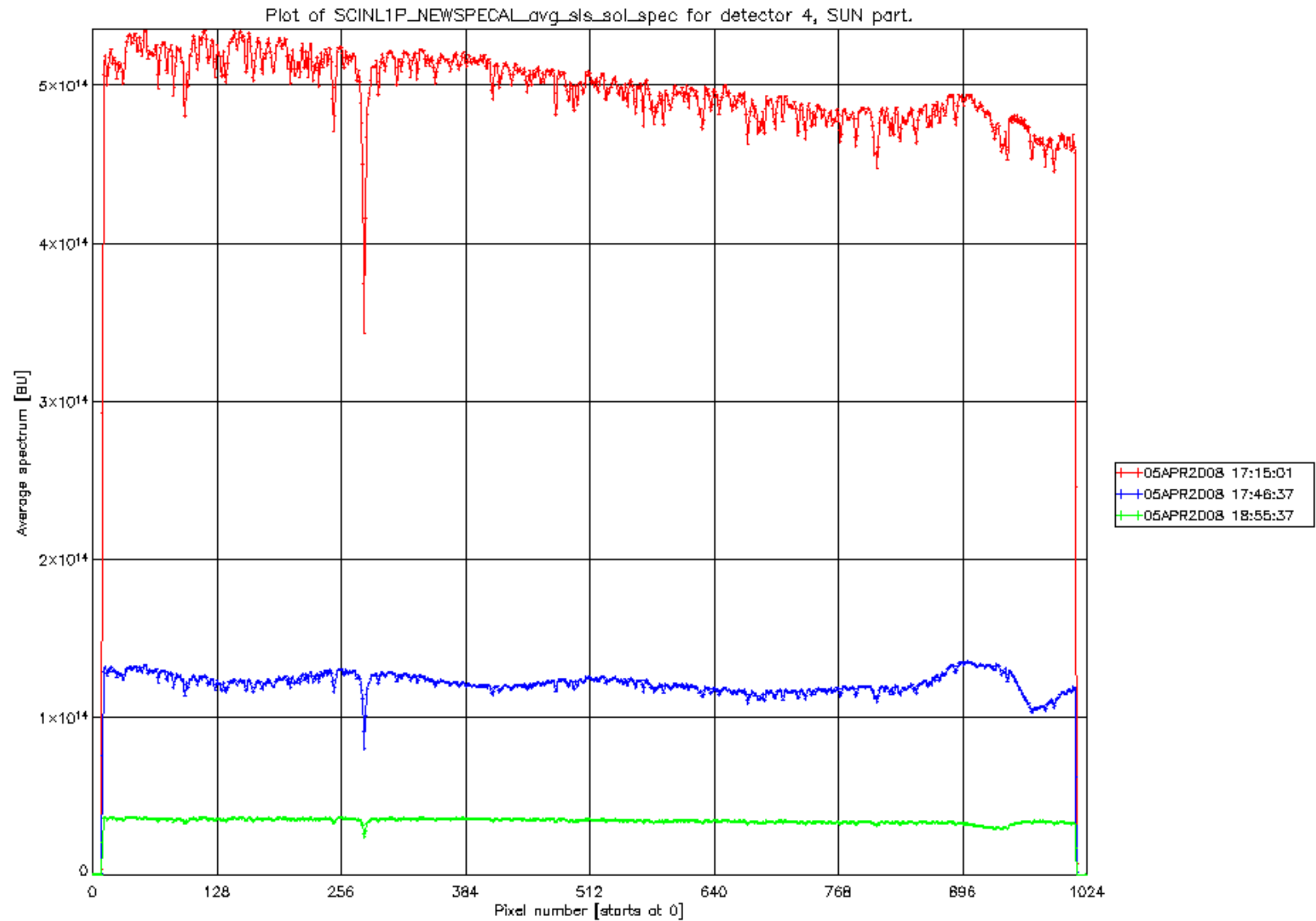
Plots of SCINL1P_NEWLEA_pmd_off vs time on 05APR2008 (red).
Dark average pmd data is given in blue for comparison.

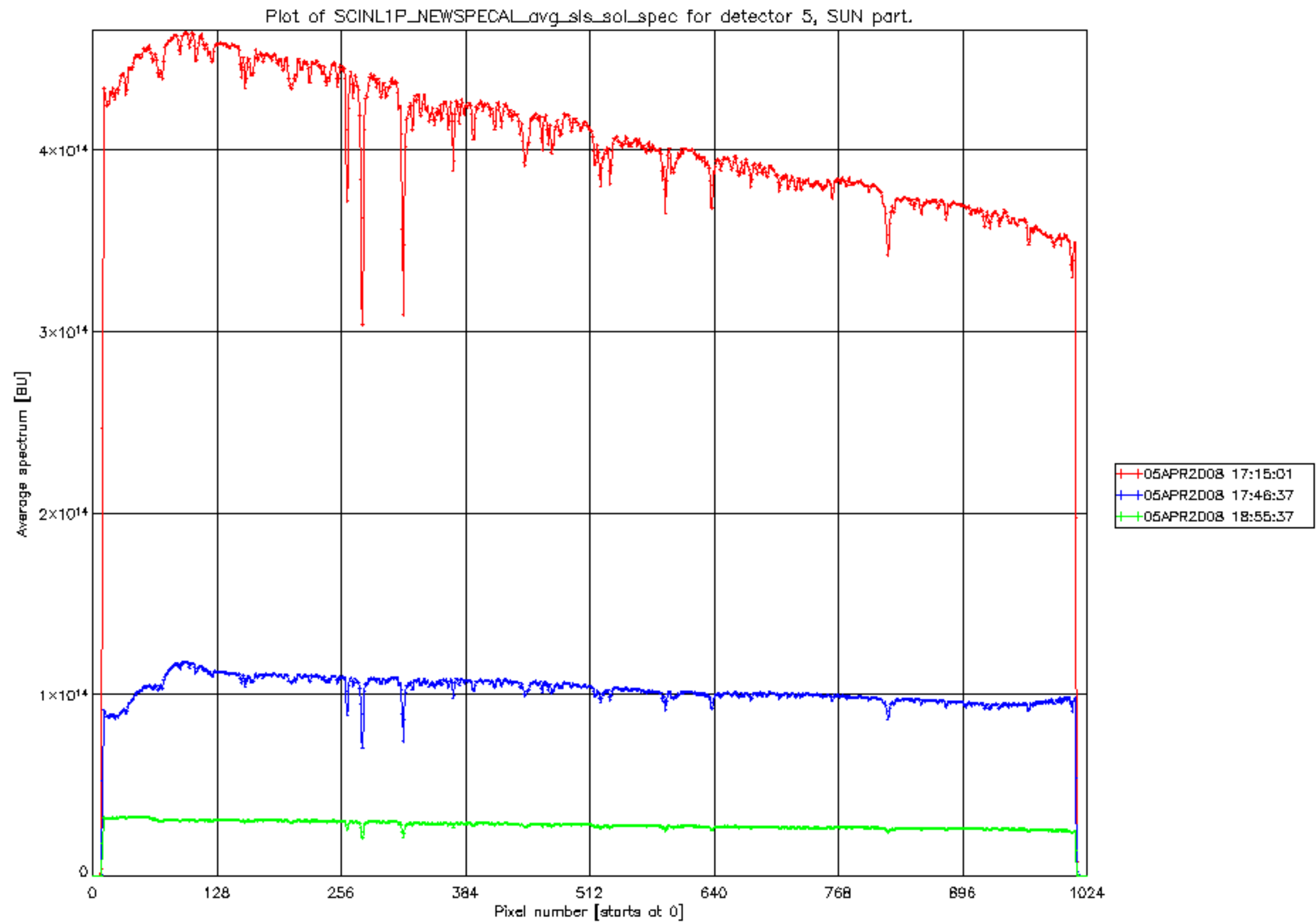


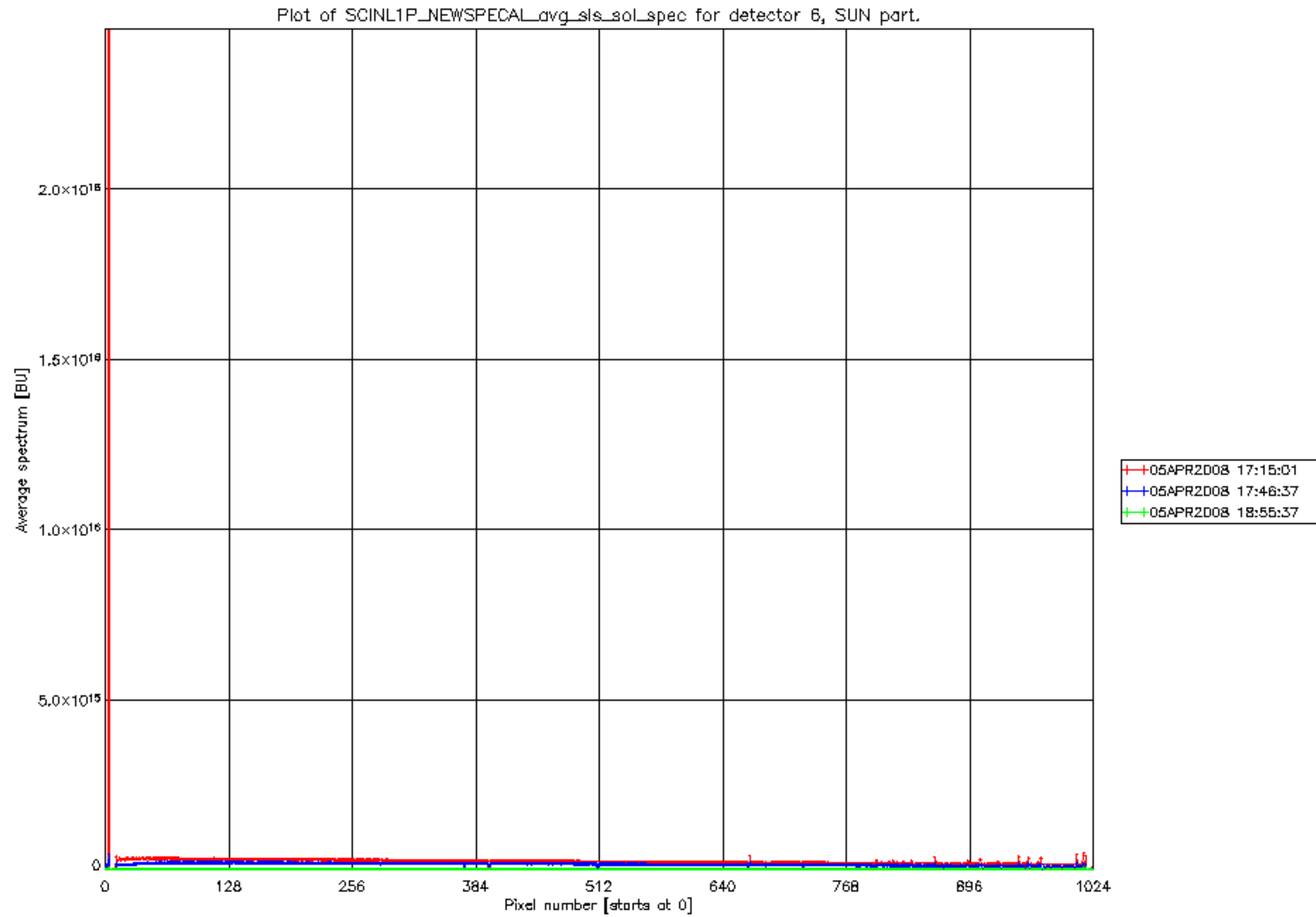


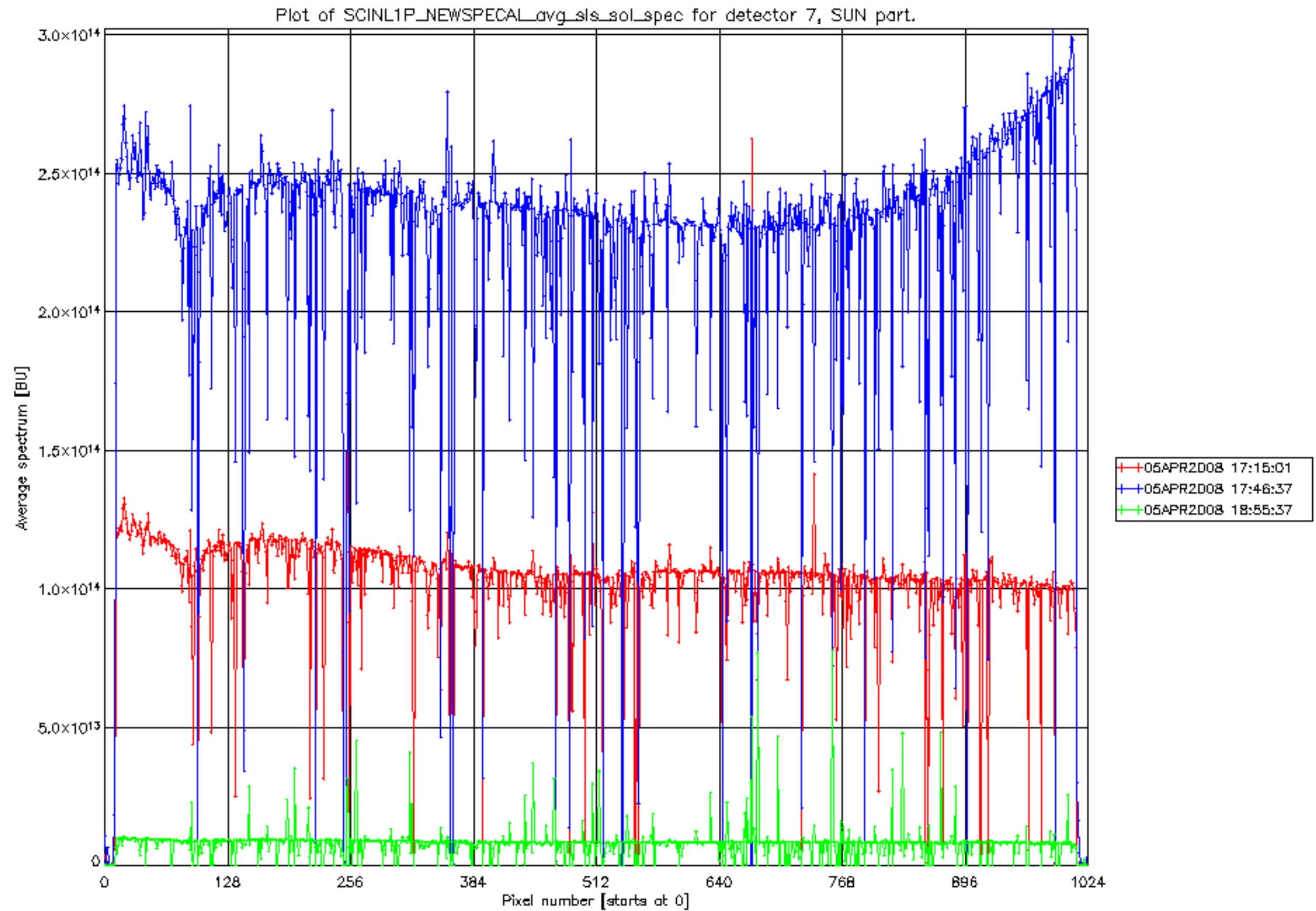


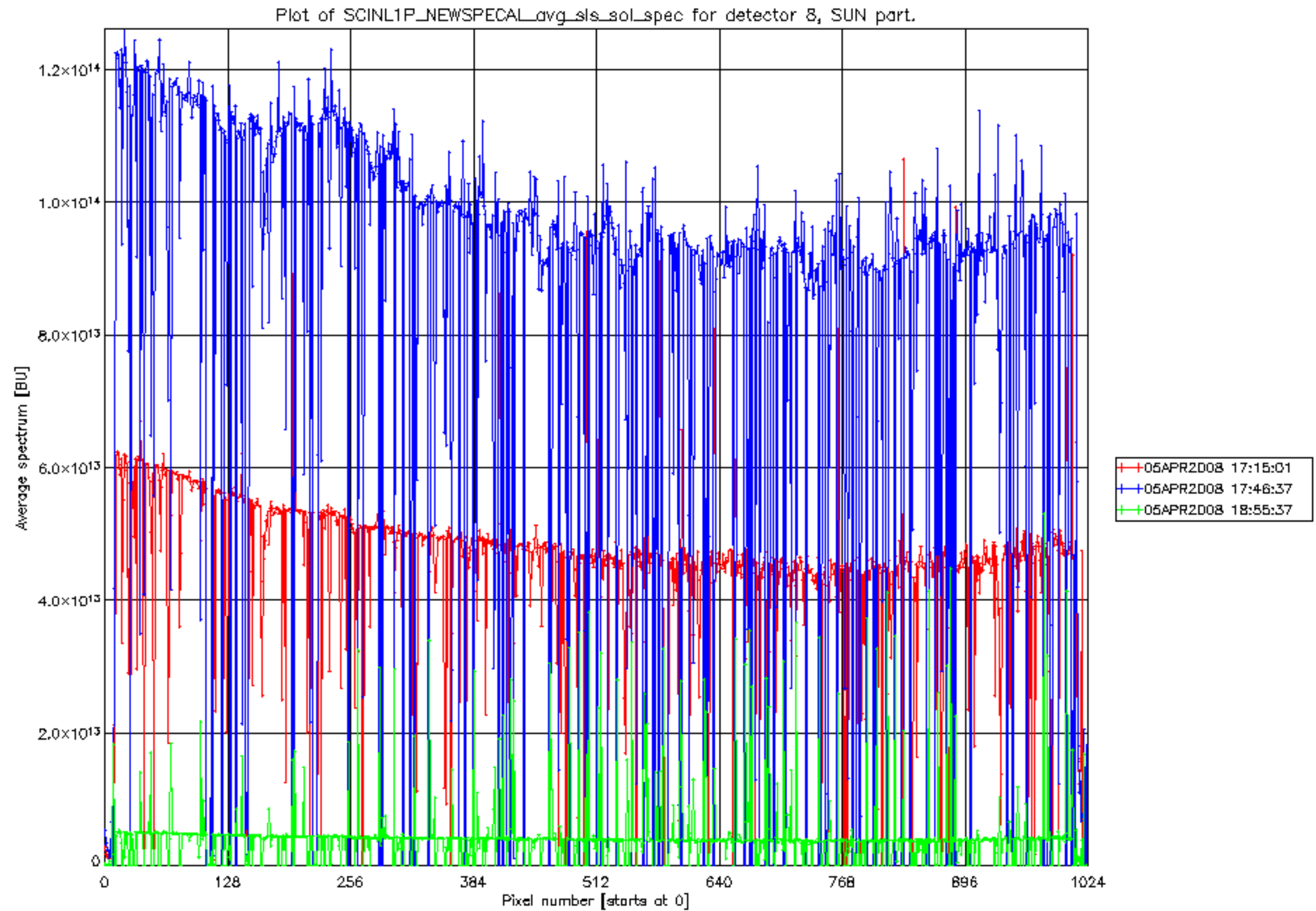


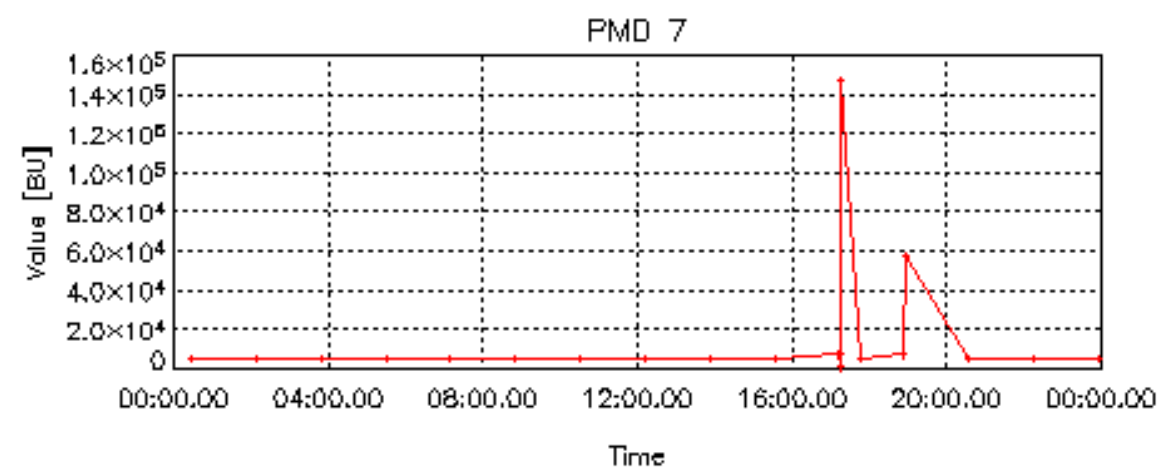
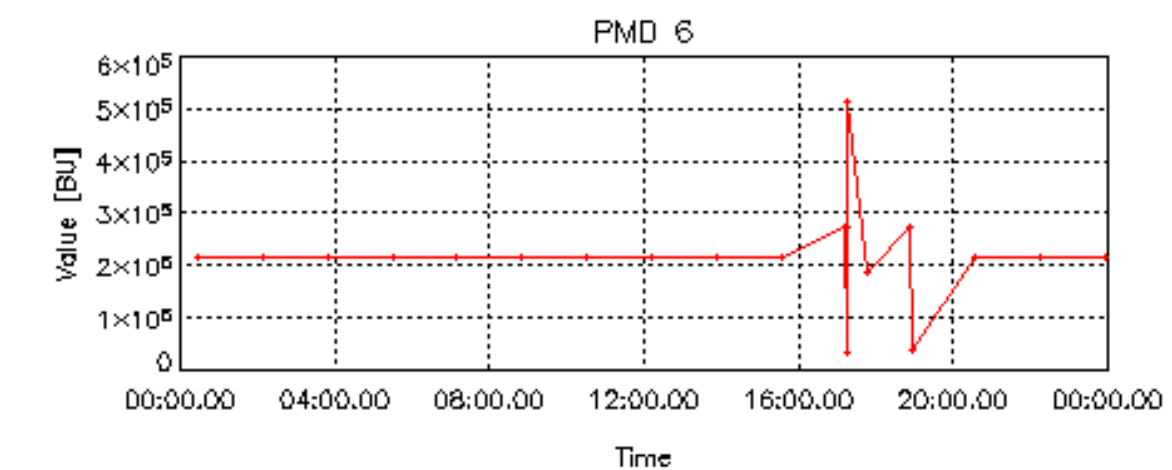
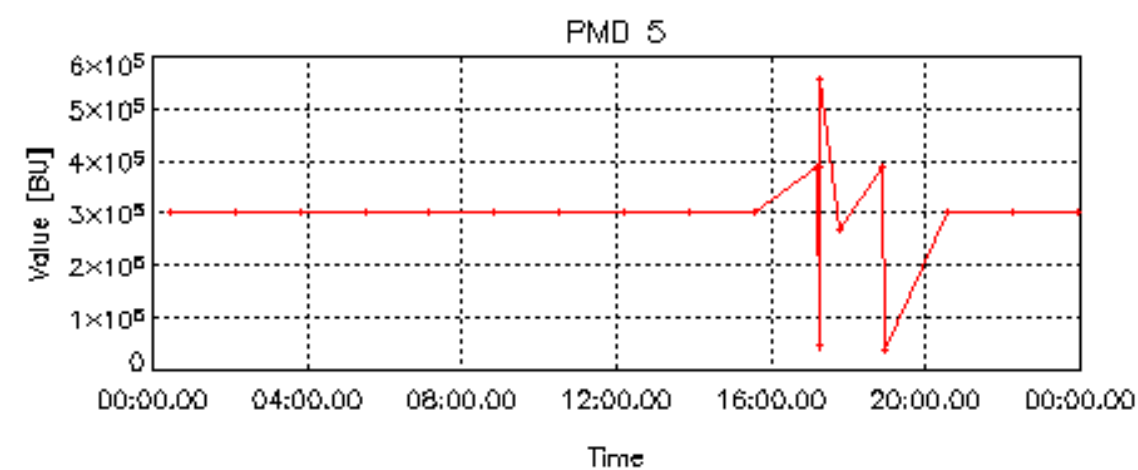
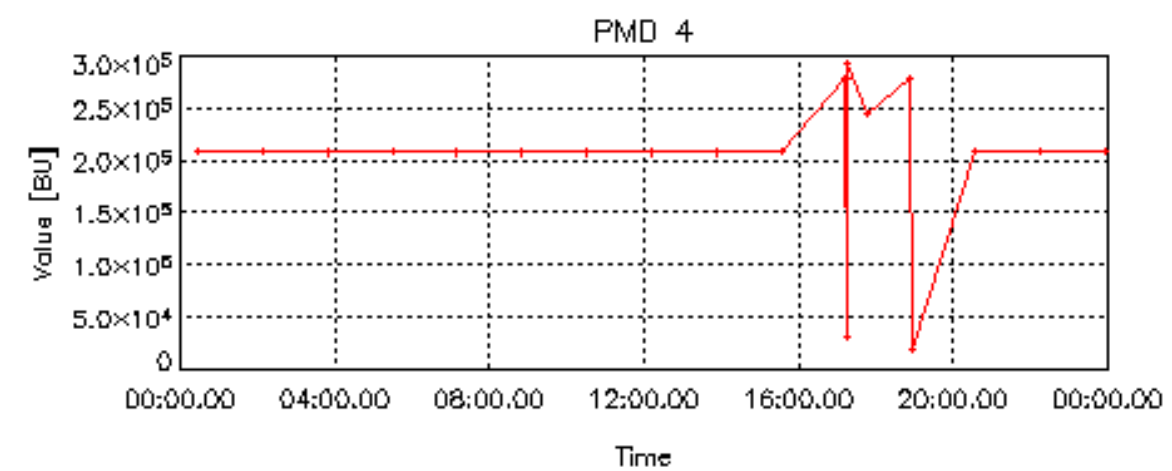
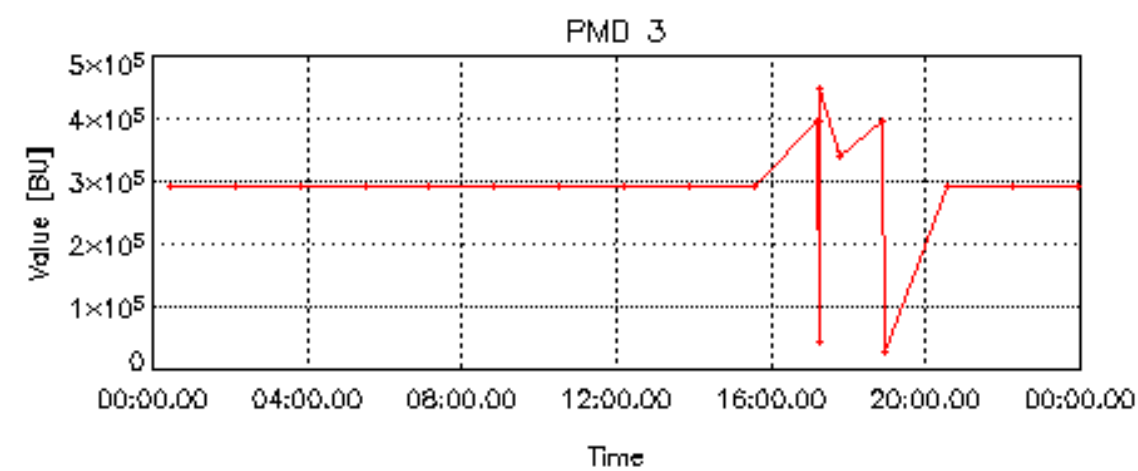
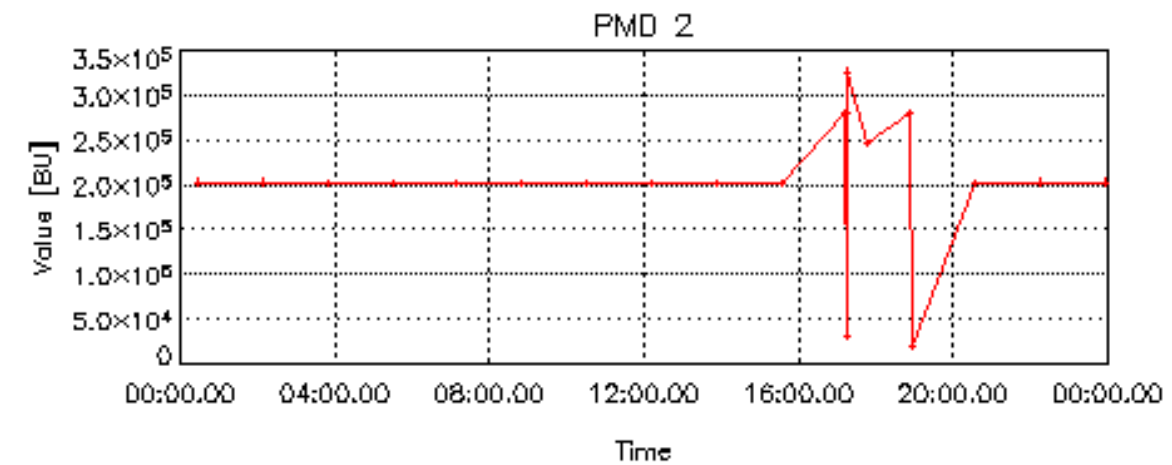
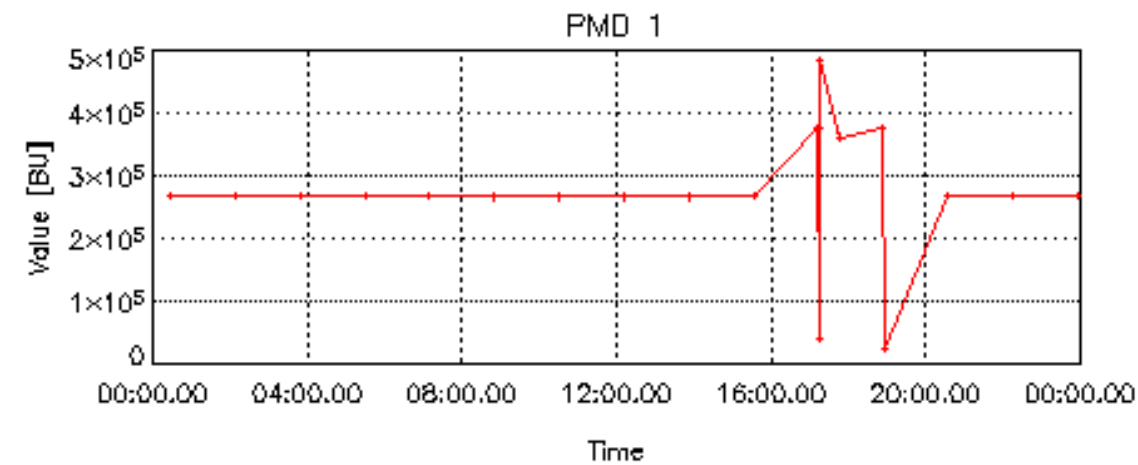


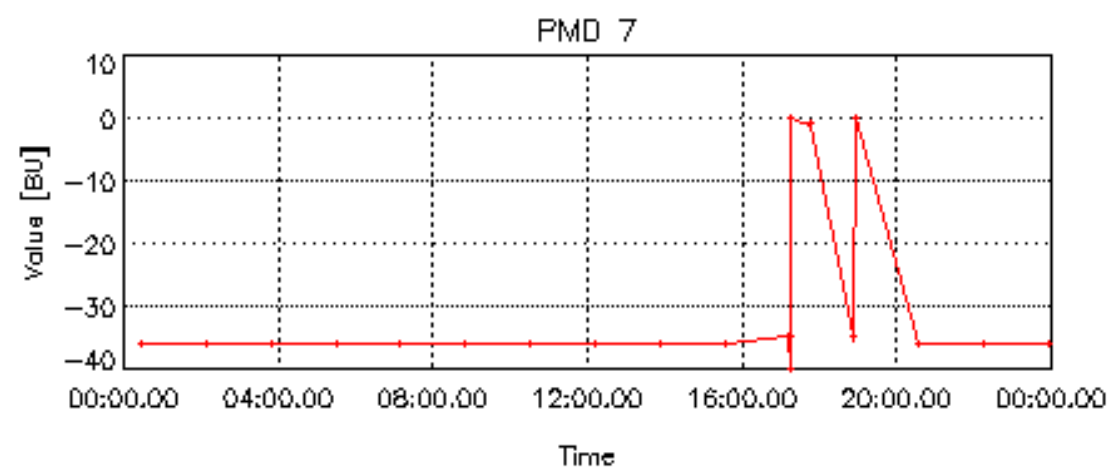
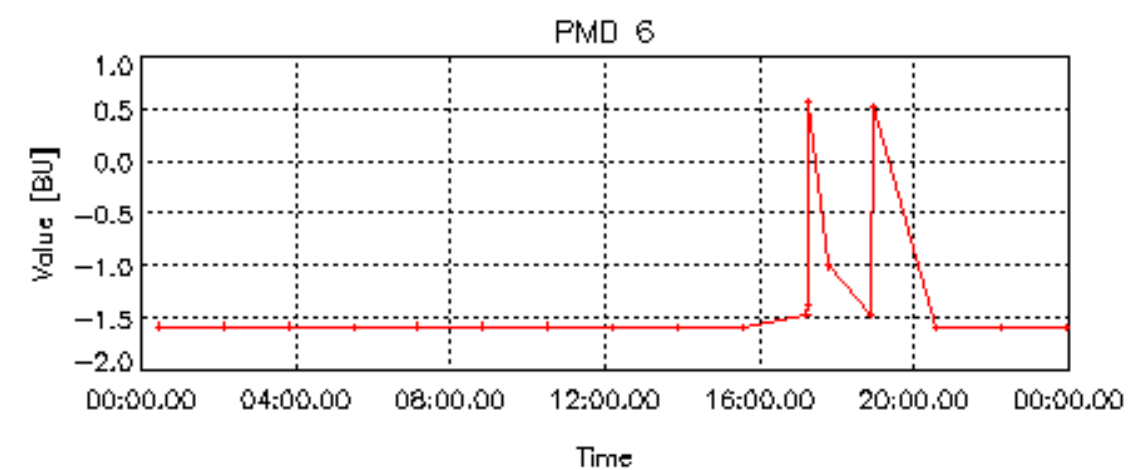
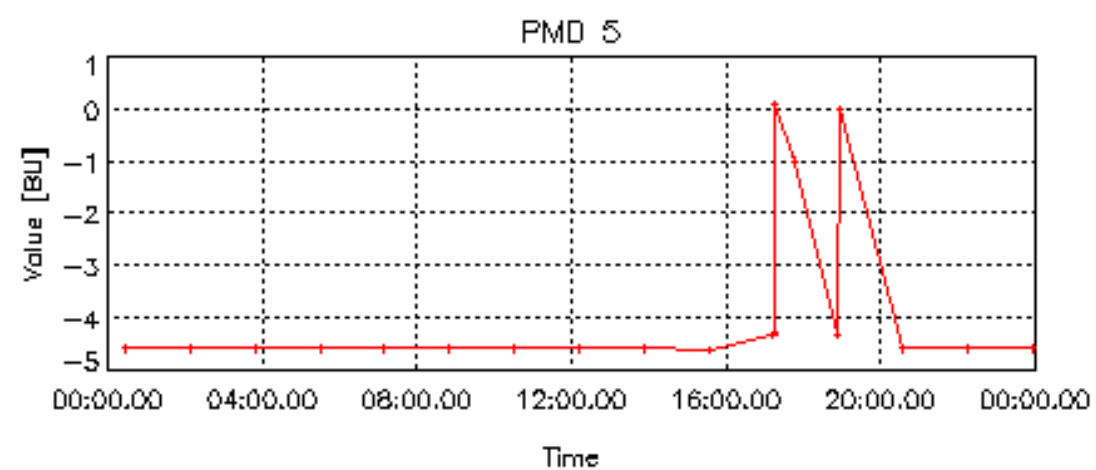
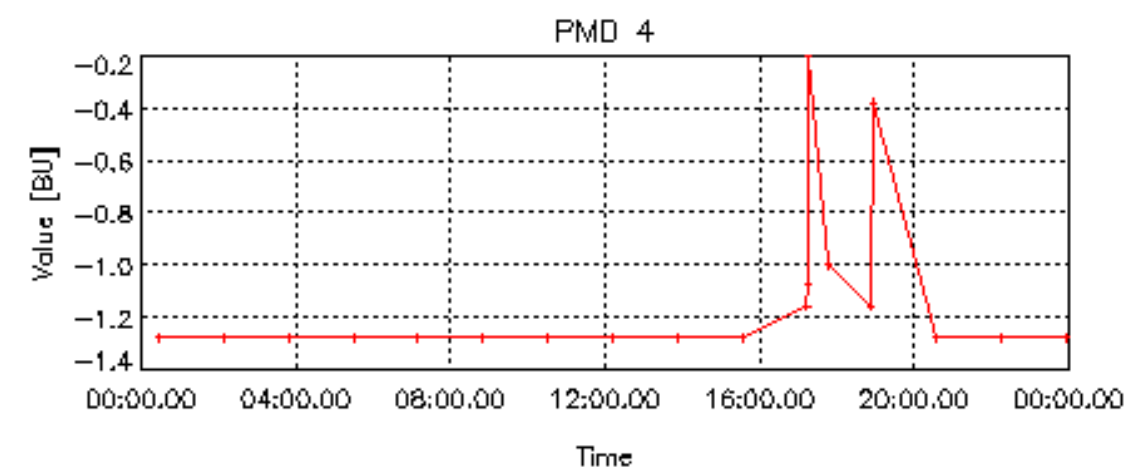
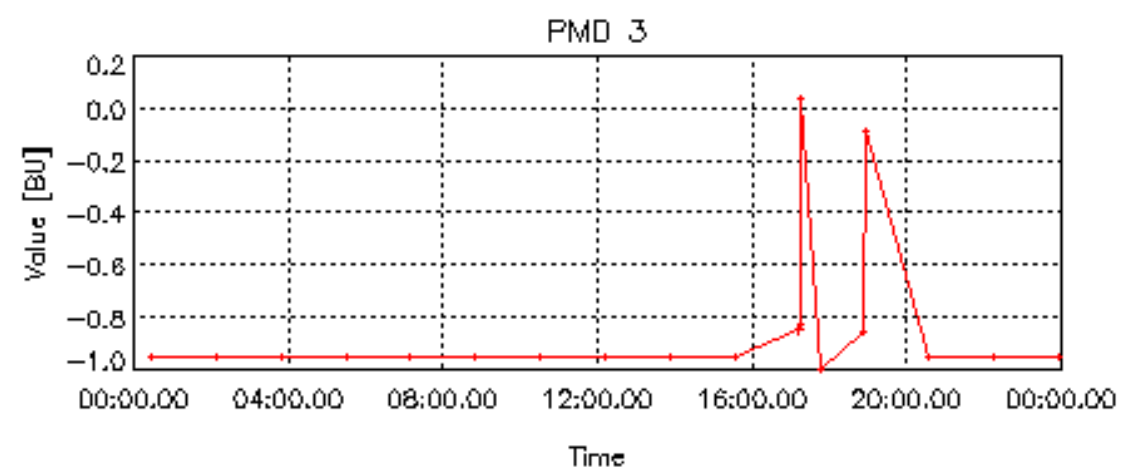
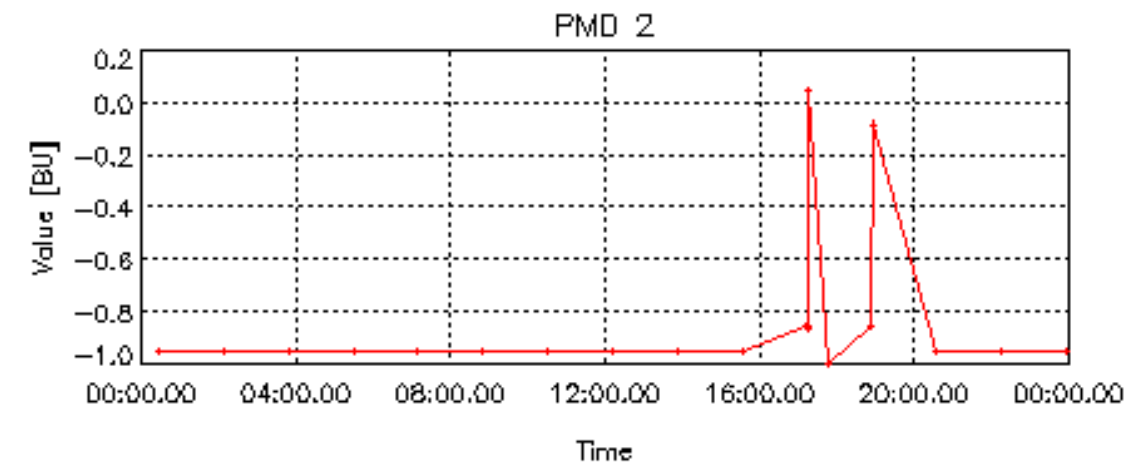
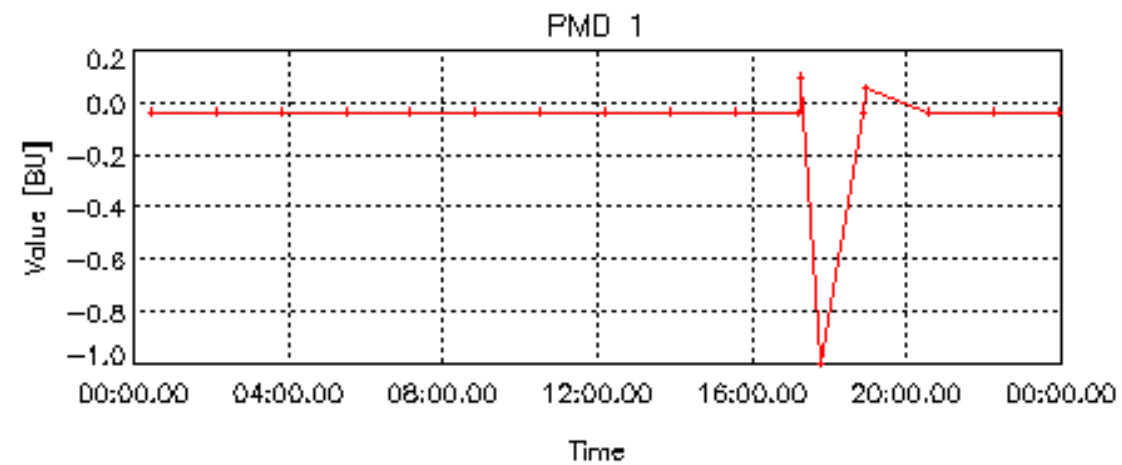


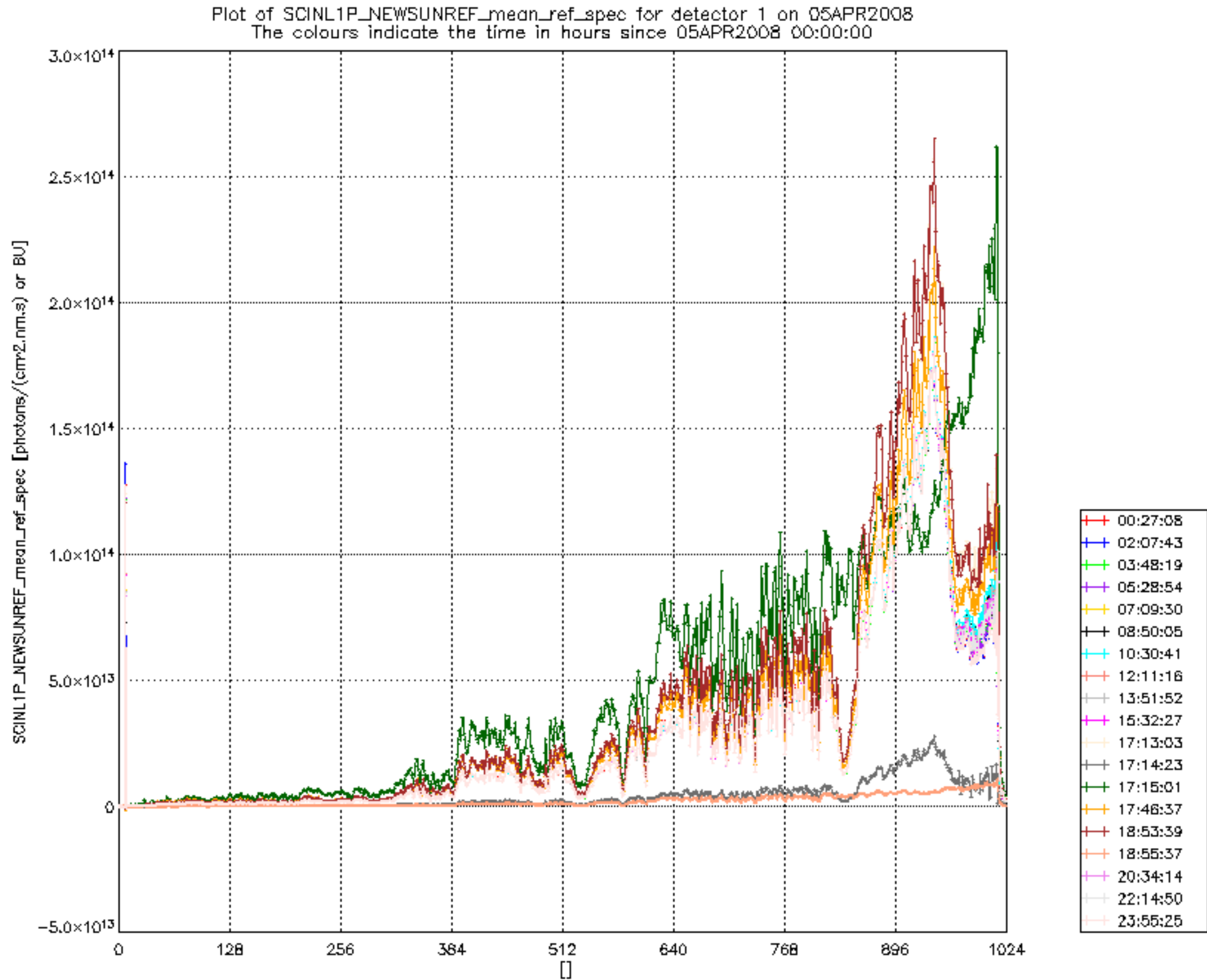




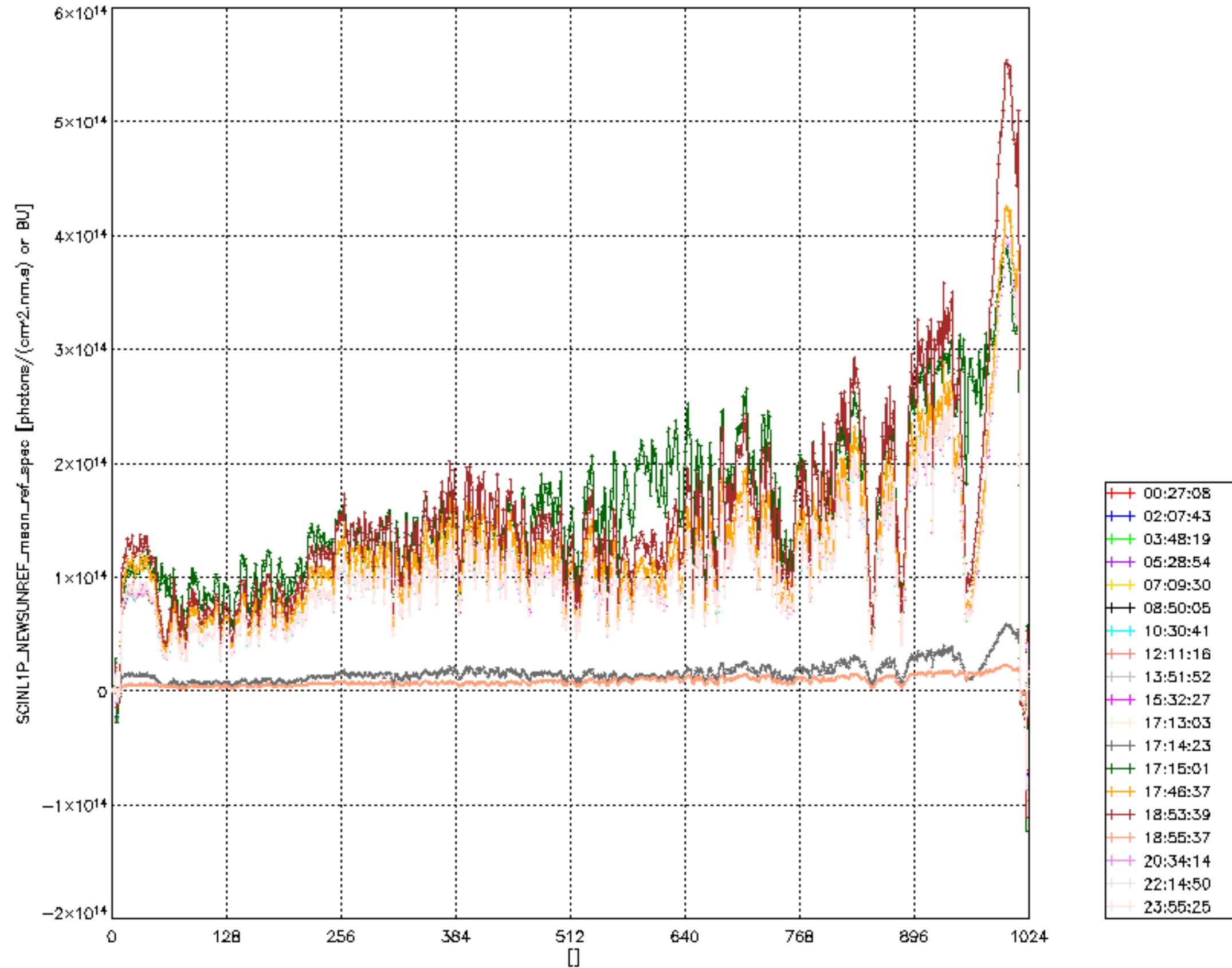




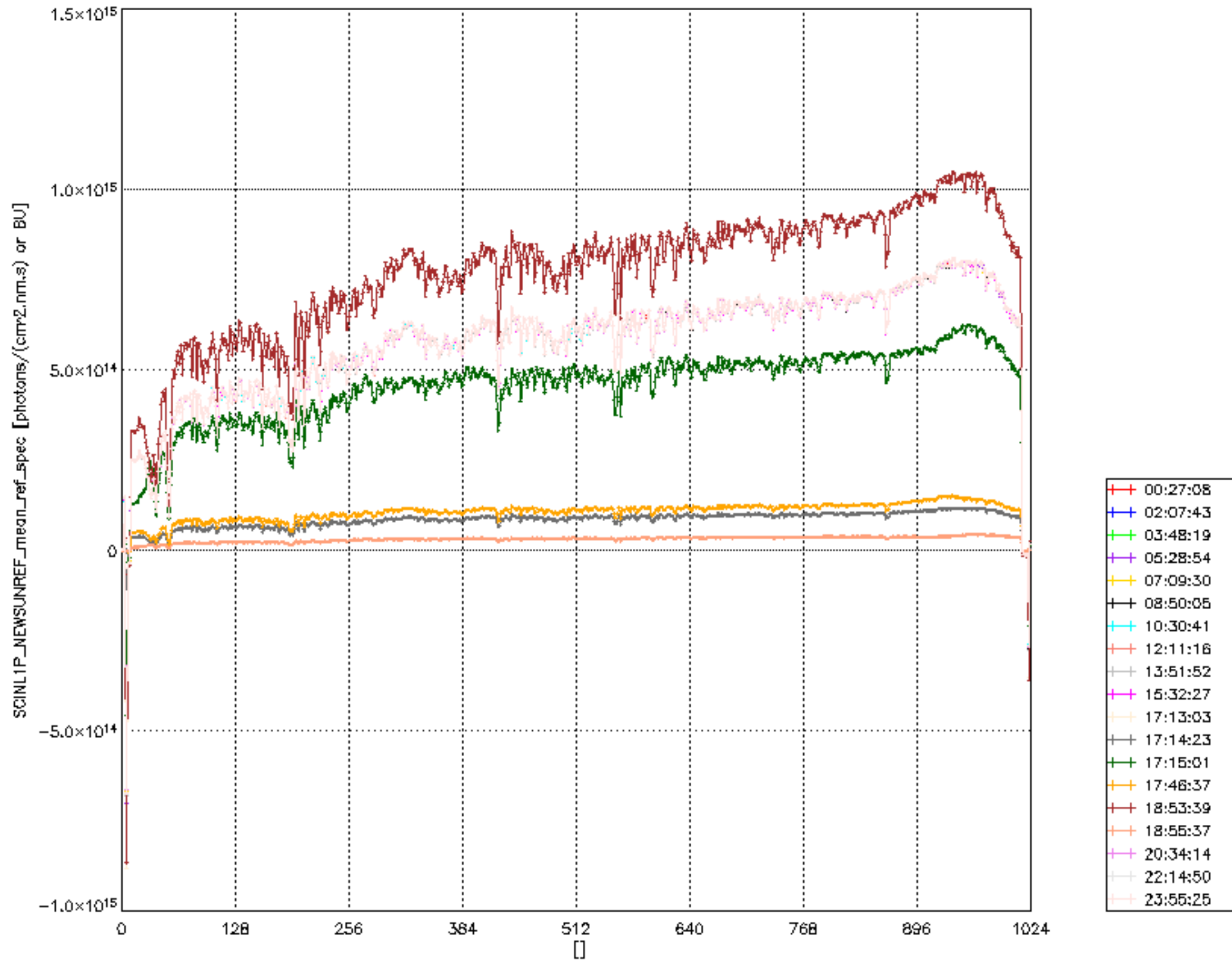




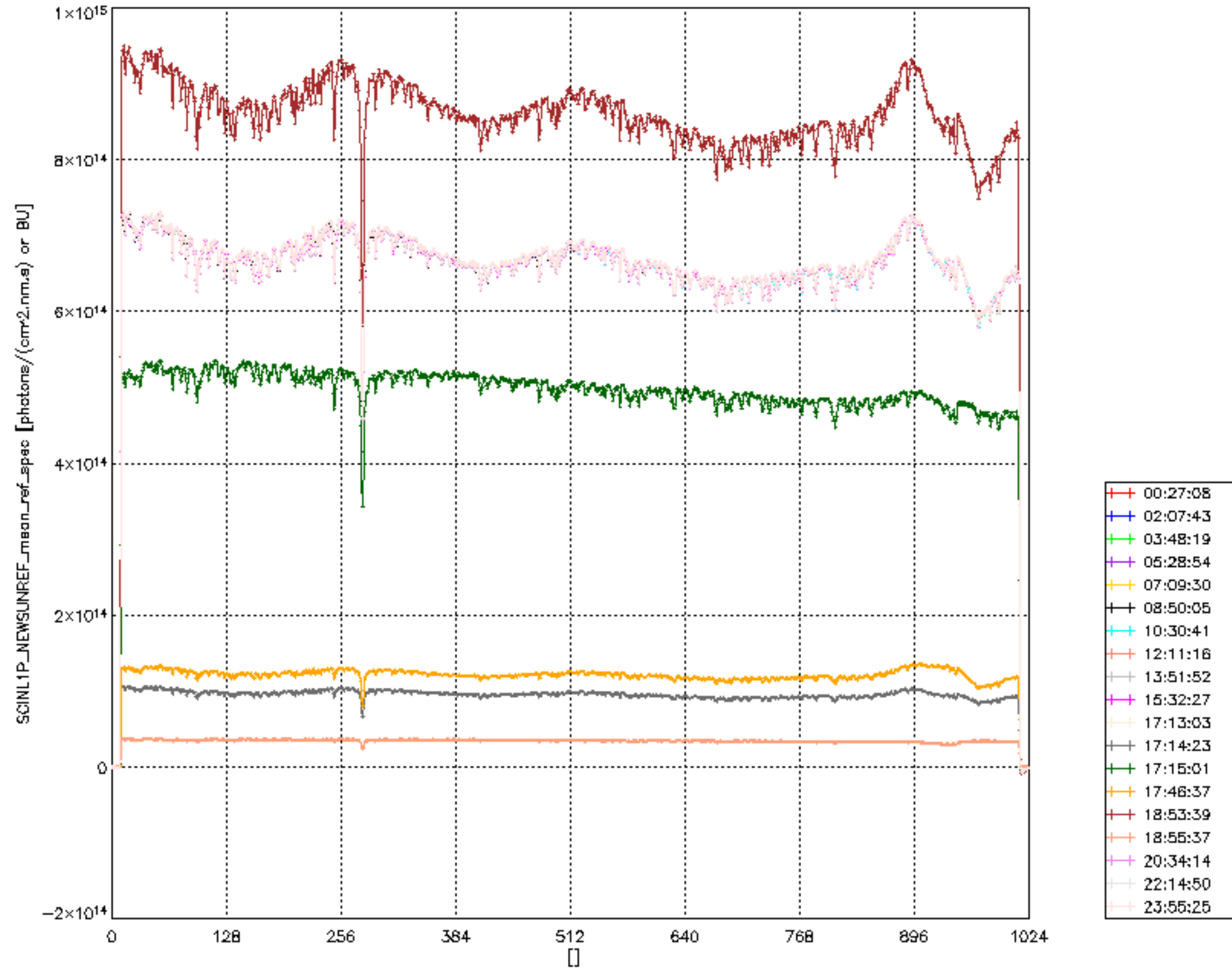
Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector 2 on 05APR2008
The colours indicate the time in hours since 05APR2008 00:00:00



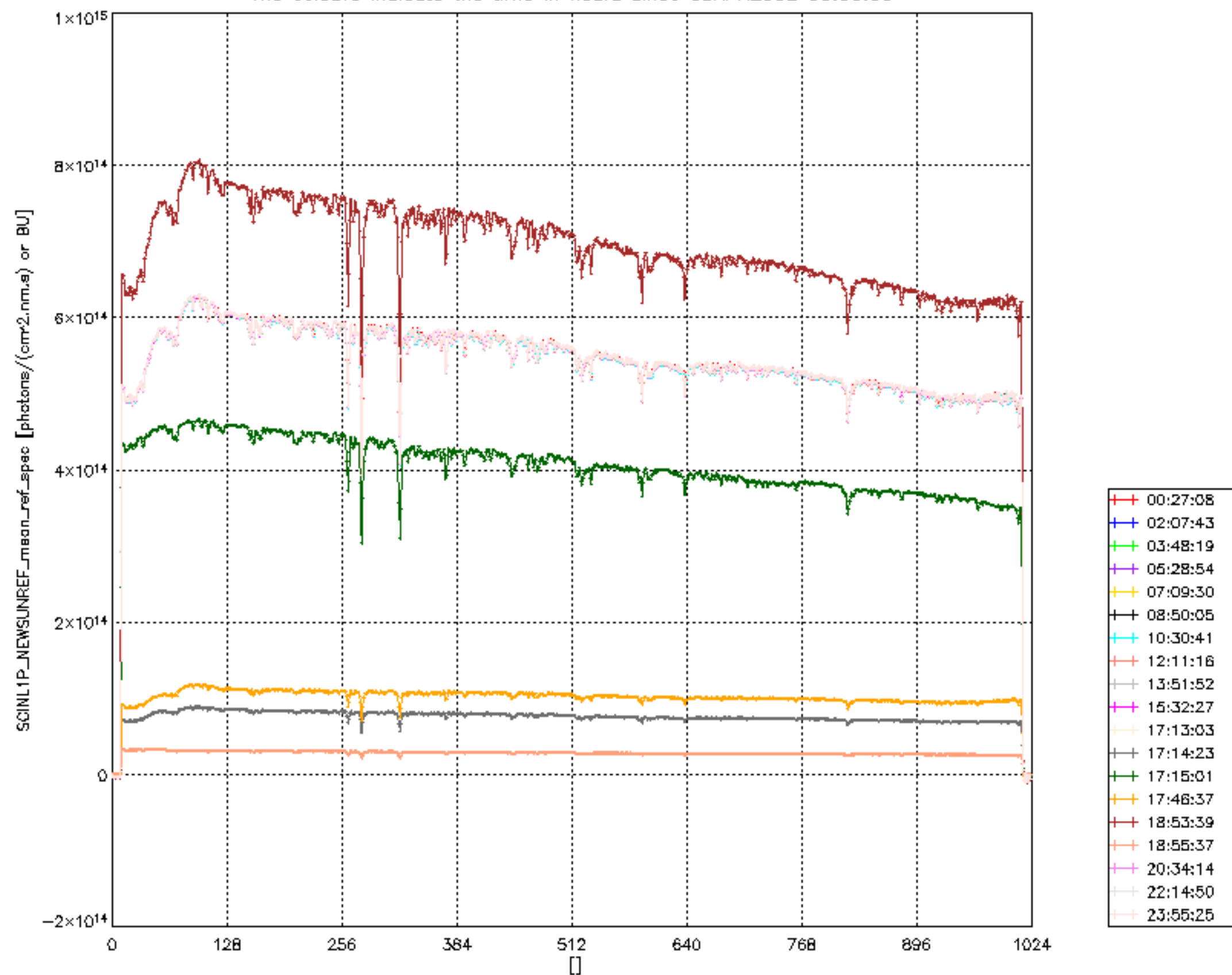
Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector 3 on 05APR2008
The colours indicate the time in hours since 05APR2008 00:00:00

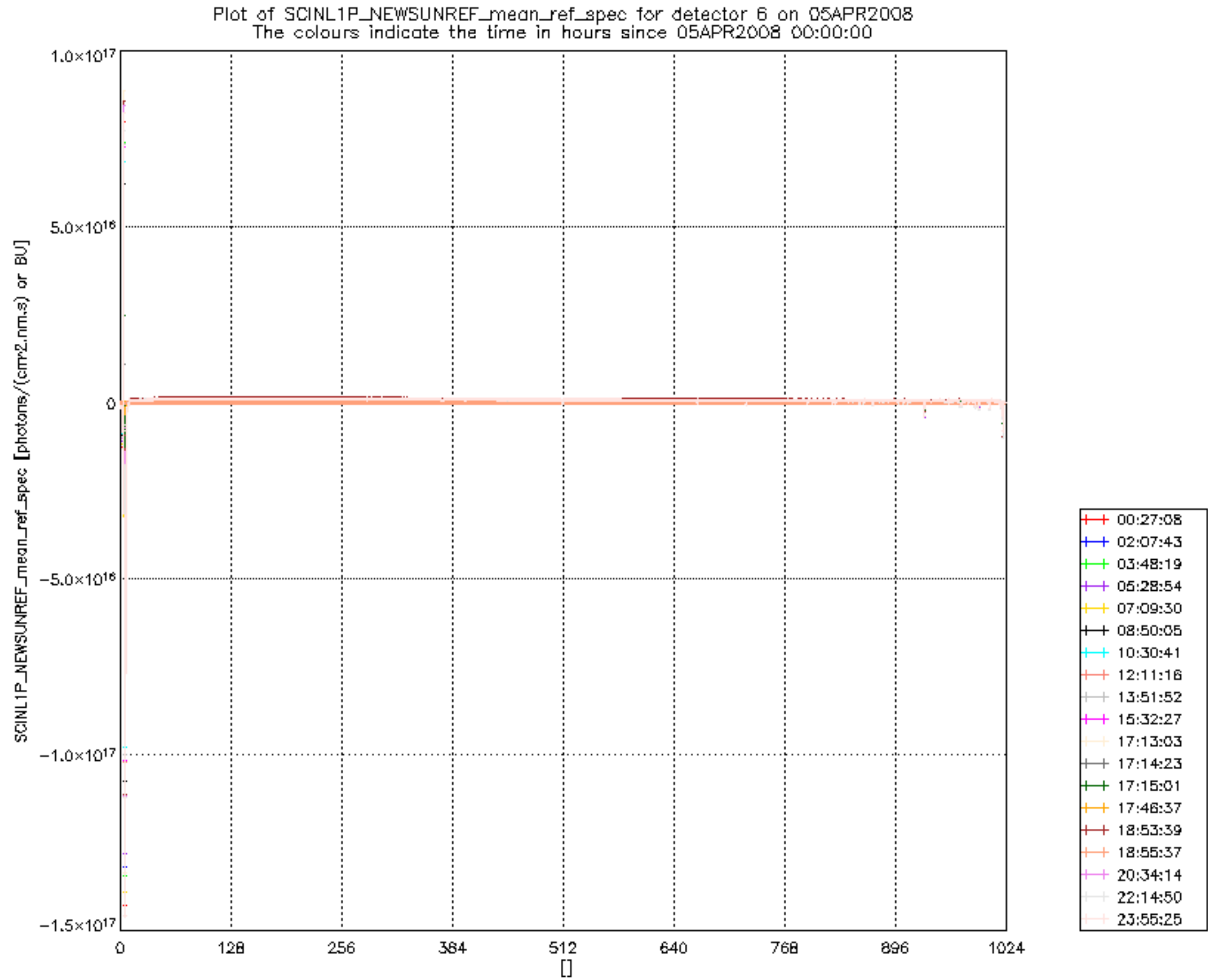


Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector 4 on 05APR2008
The colours indicate the time in hours since 05APR2008 00:00:00

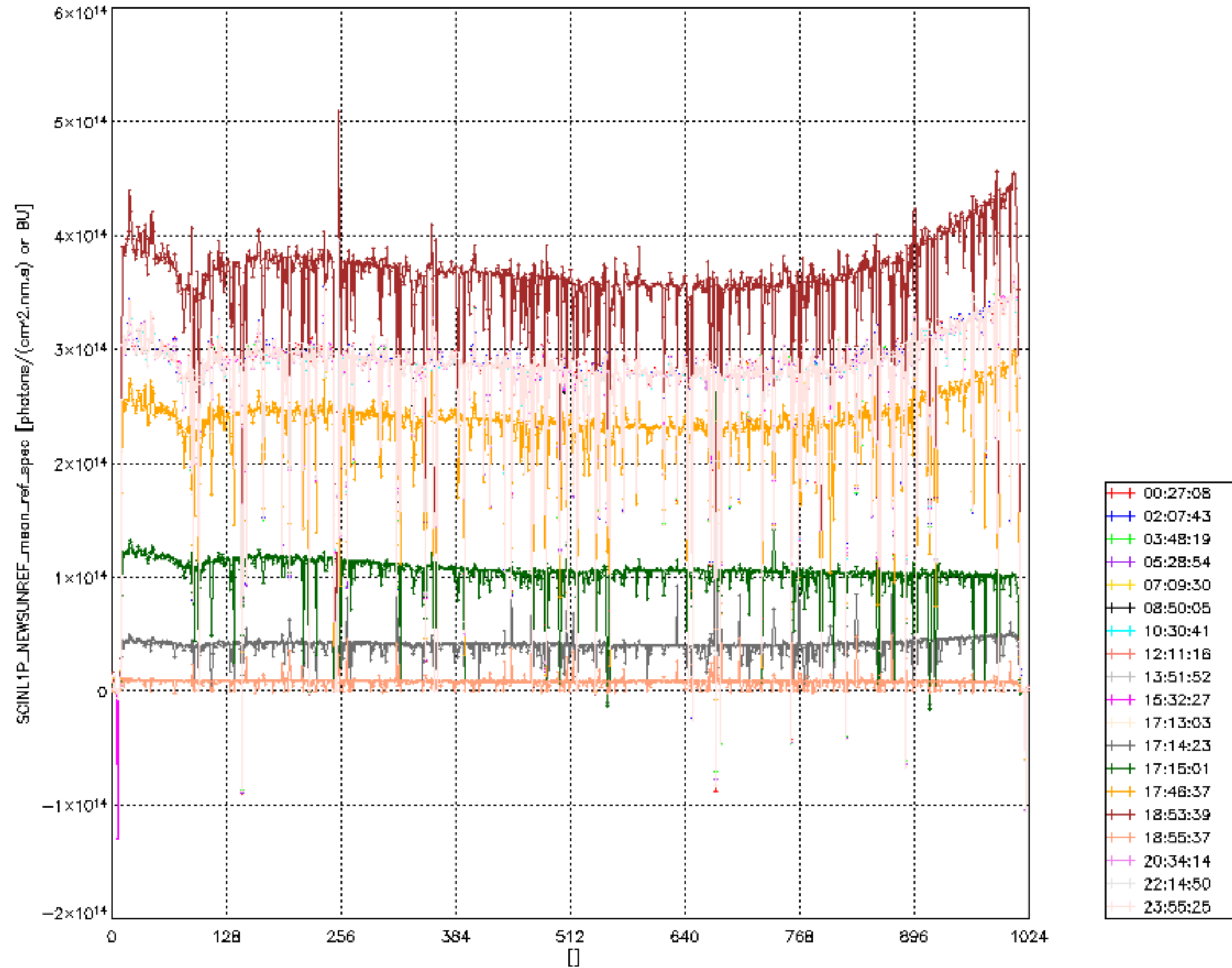


Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector 5 on 05APR2008
The colours indicate the time in hours since 05APR2008 00:00:00

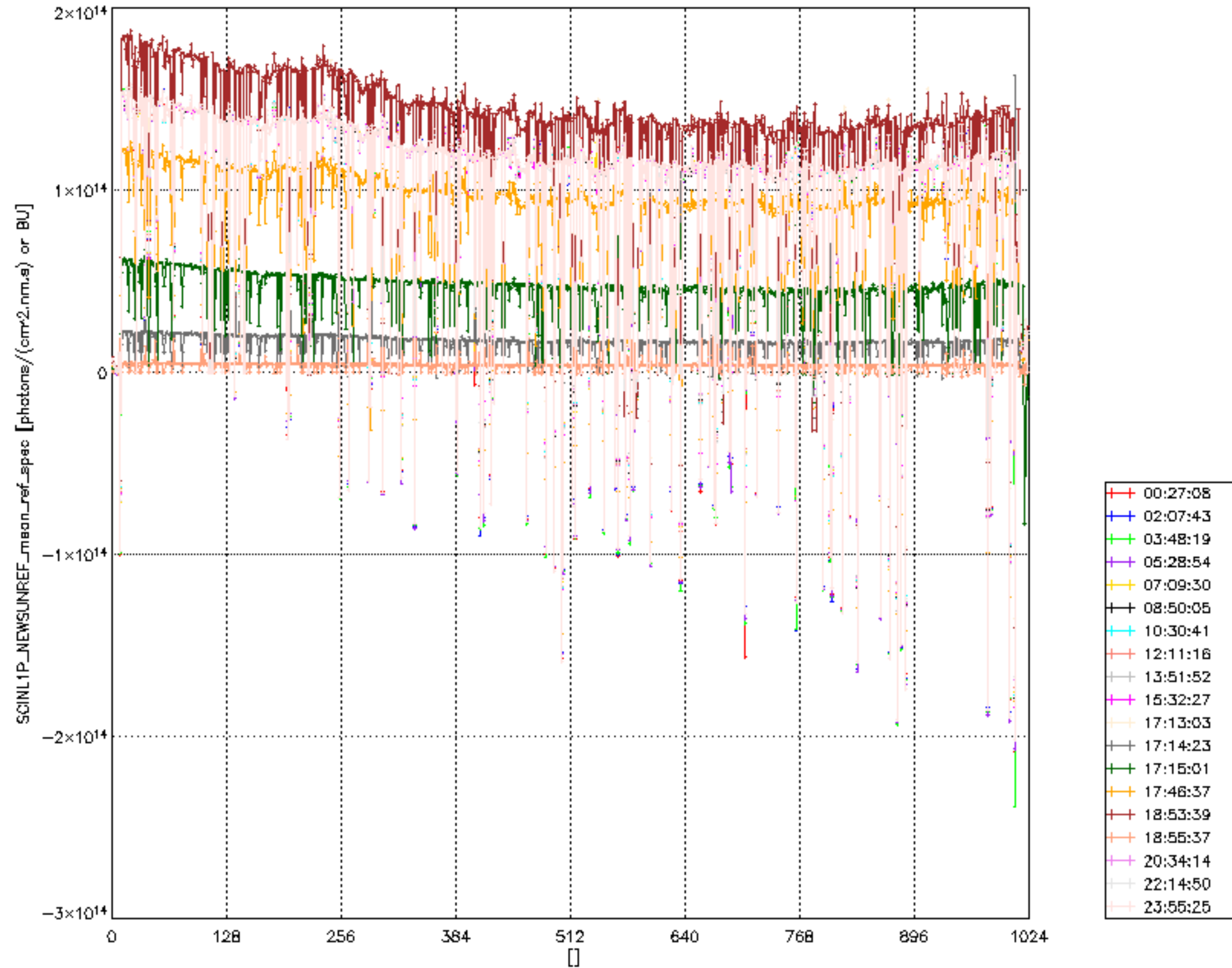




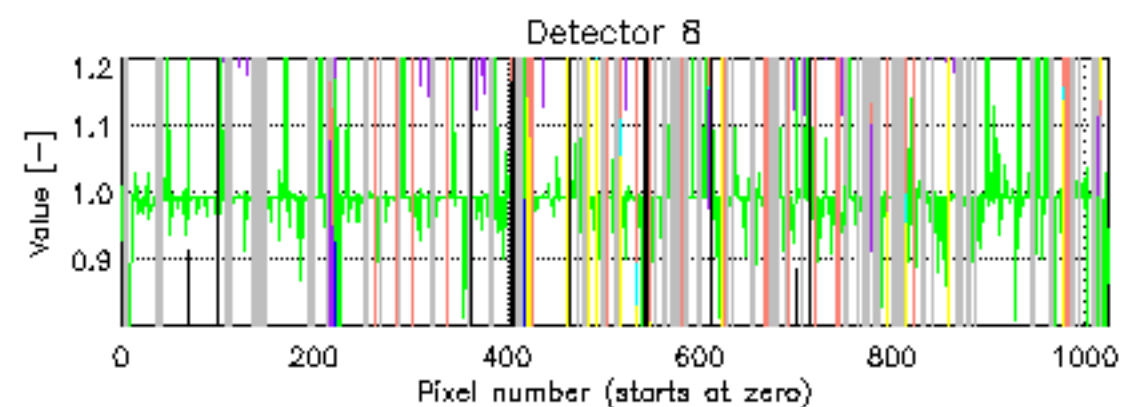
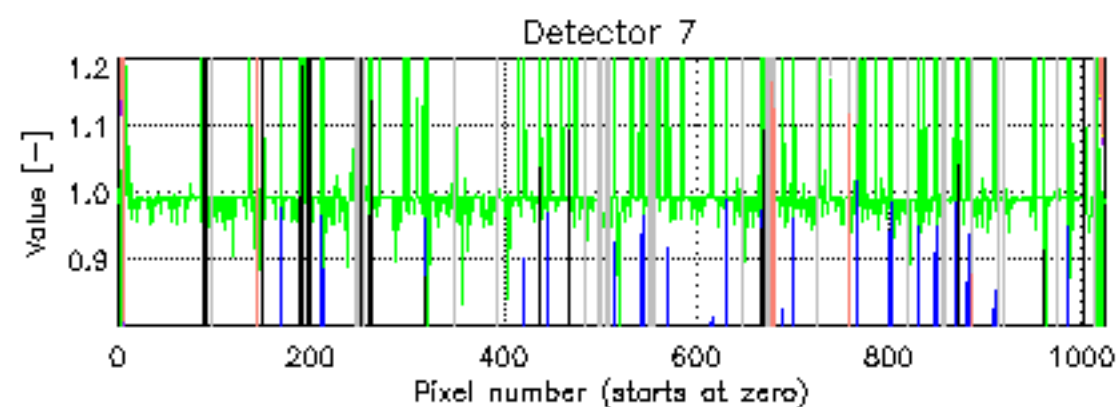
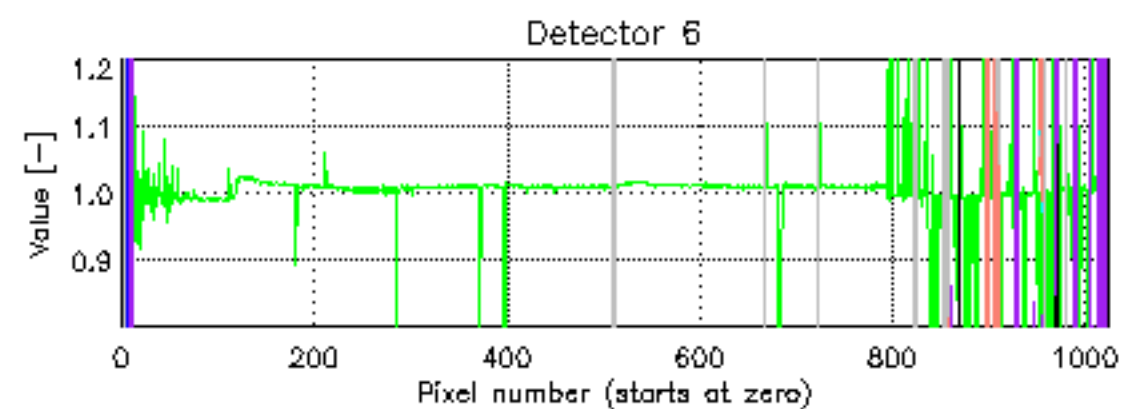
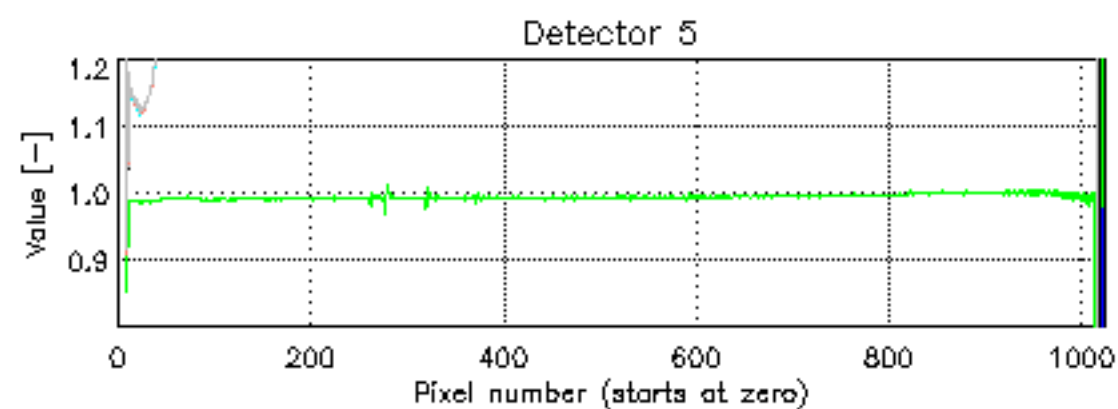
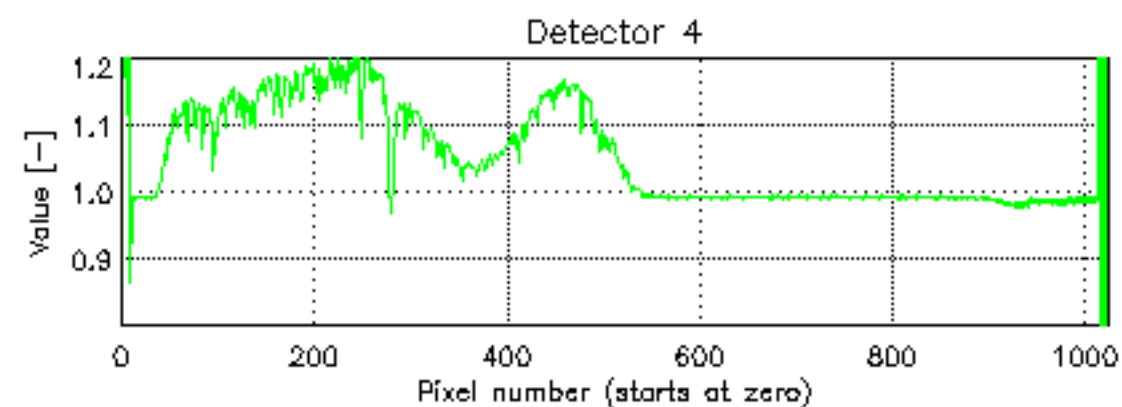
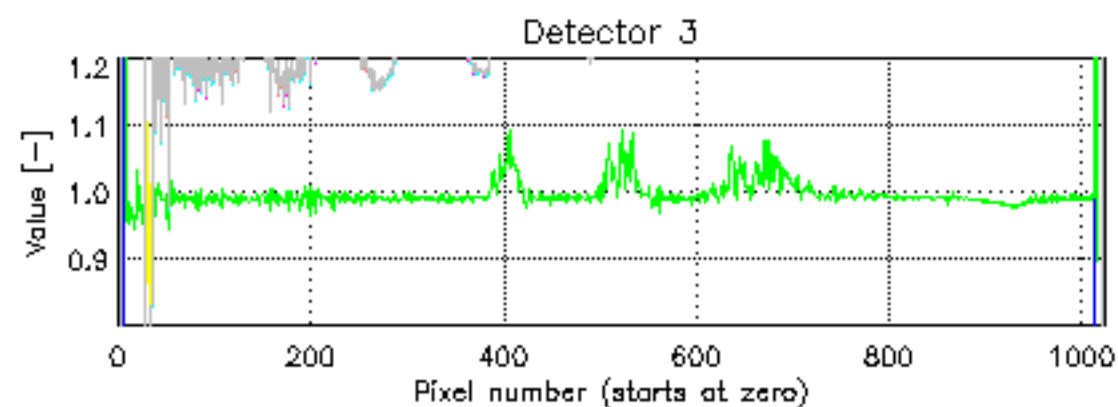
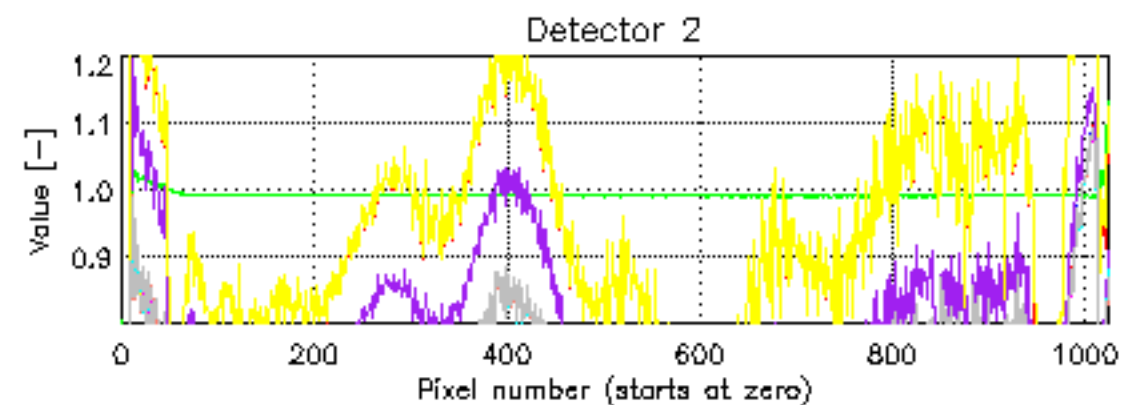
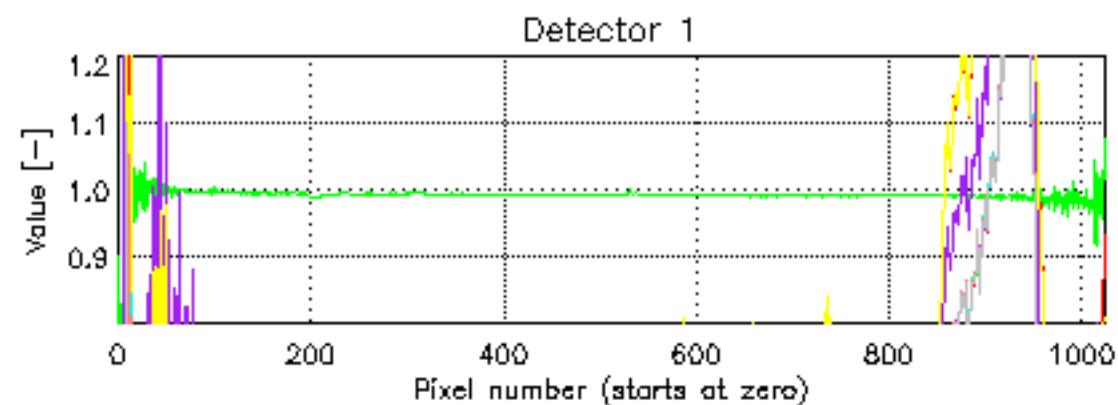
Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector 7 on 05APR2008
The colours indicate the time in hours since 05APR2008 00:00:00

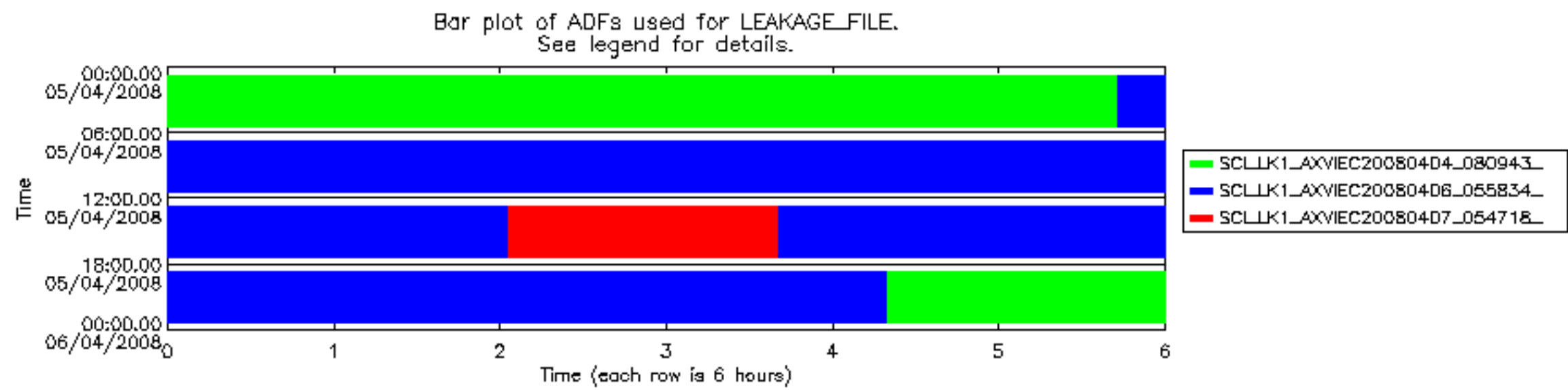


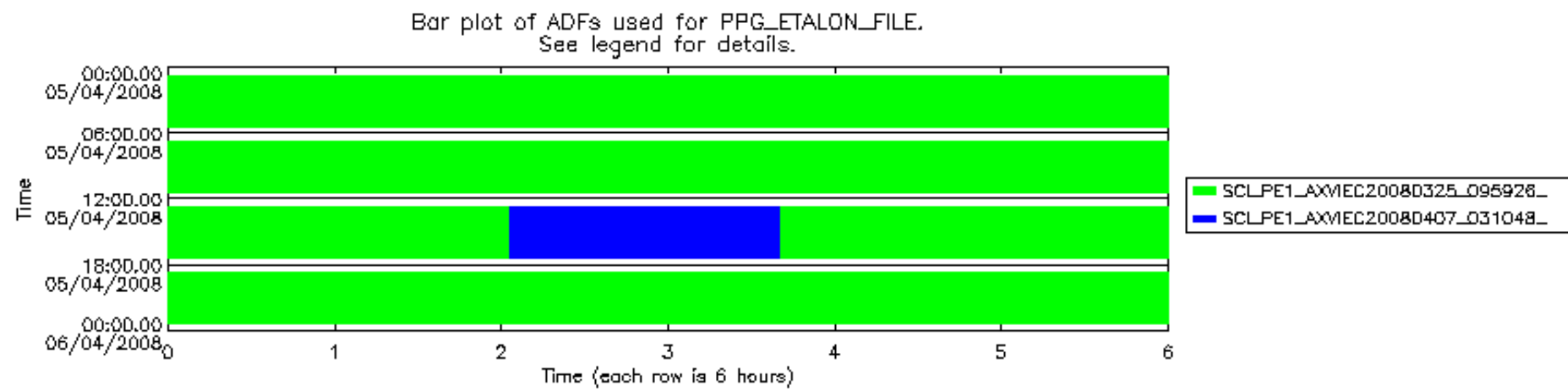
Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector B on 05APR2008
The colours indicate the time in hours since 05APR2008 00:00:00

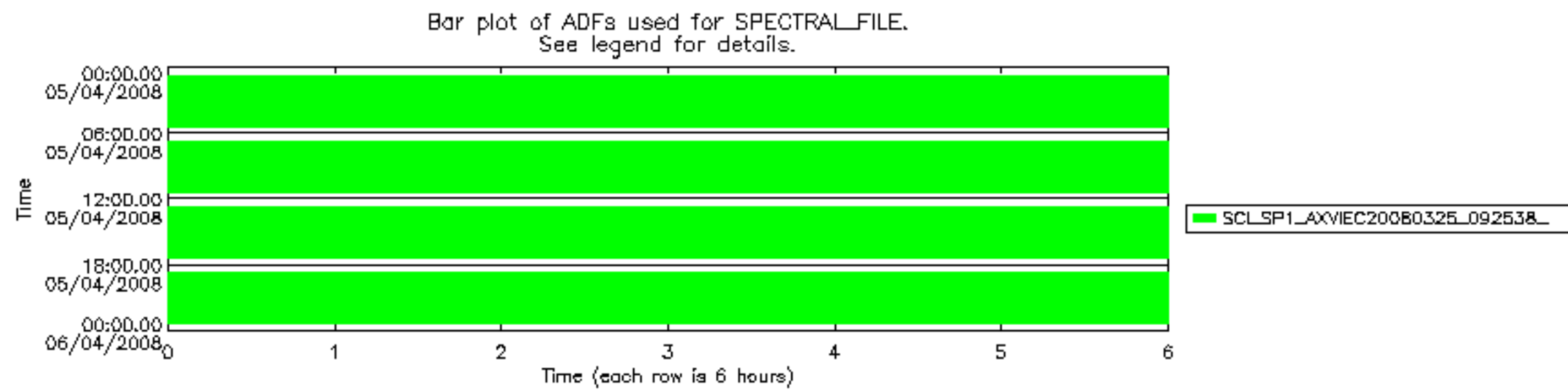


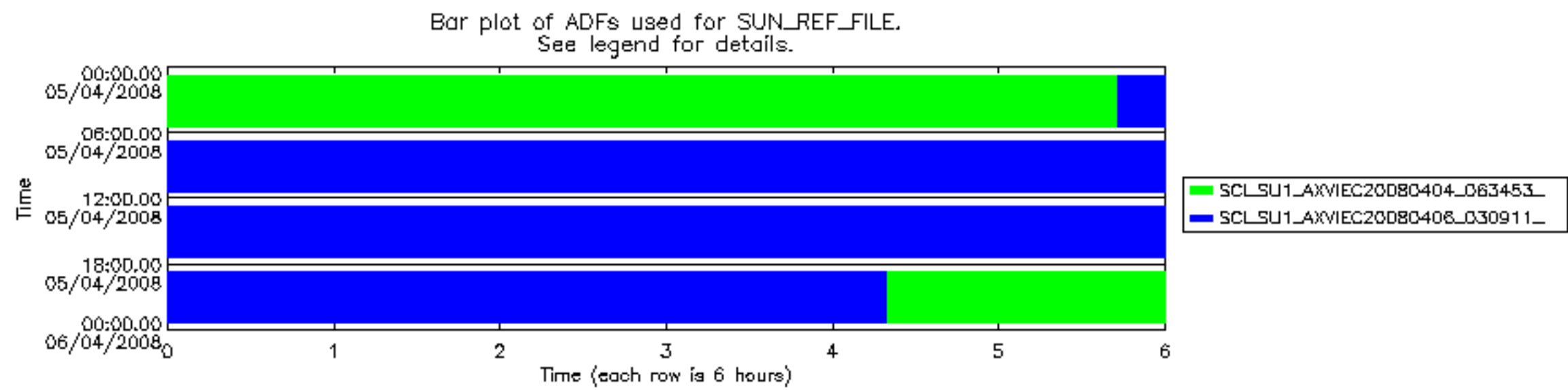
Ratio plot of D0 (ndf=1) sunref data vs. ADF
 ADF: SCLSU1_AXMEC20080404_063453_20080401_160457_20080416_174422

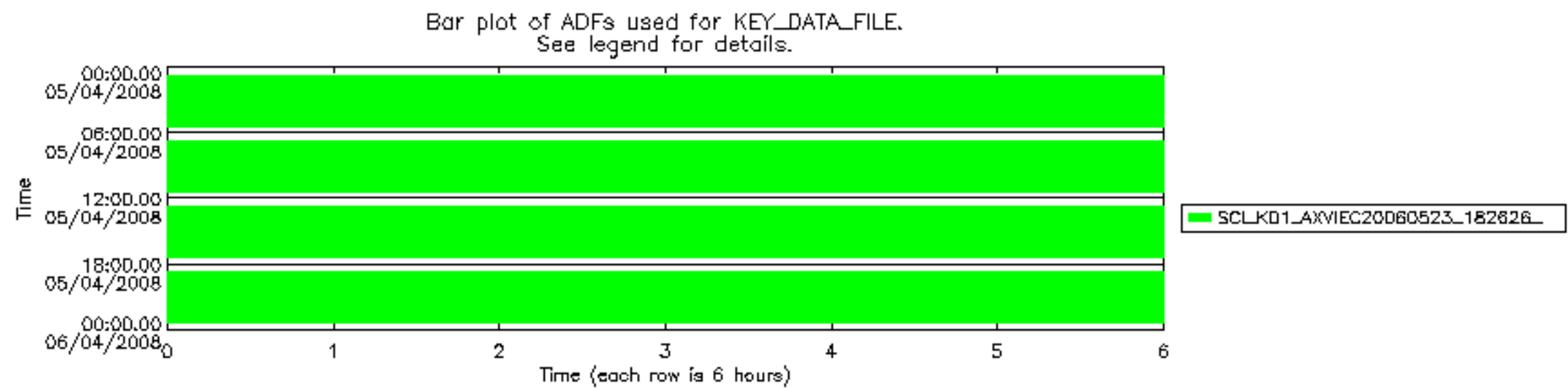


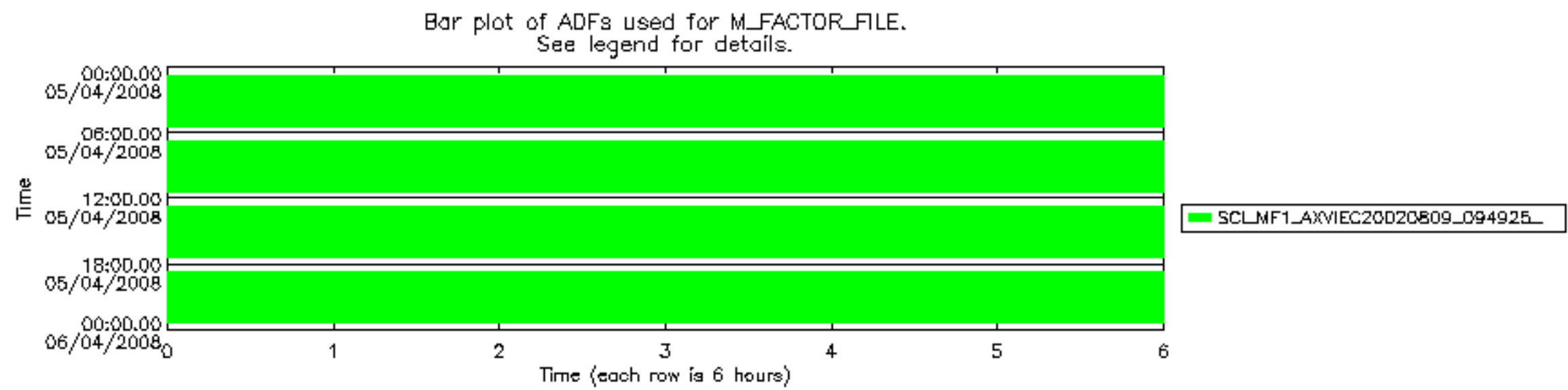


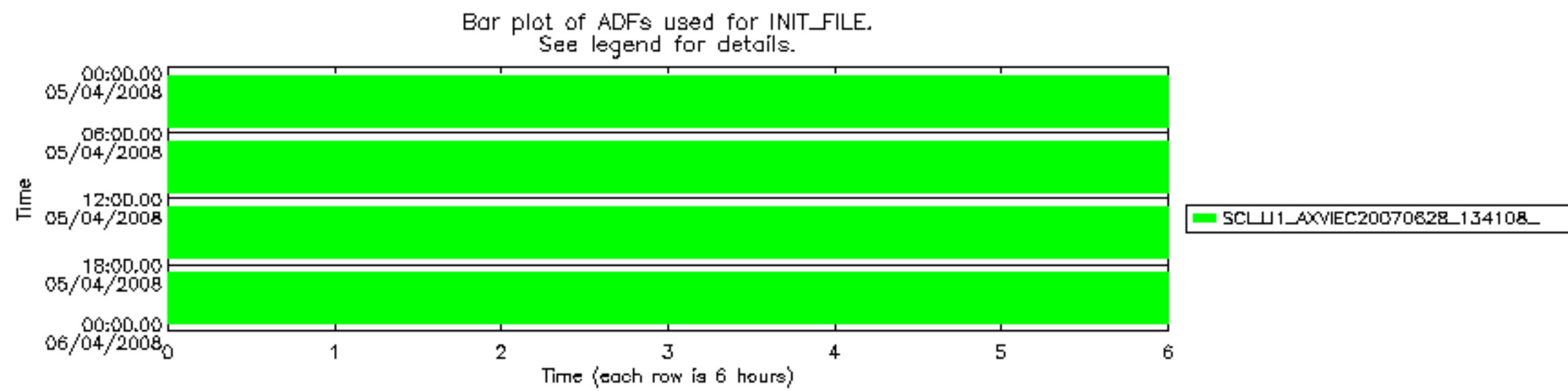


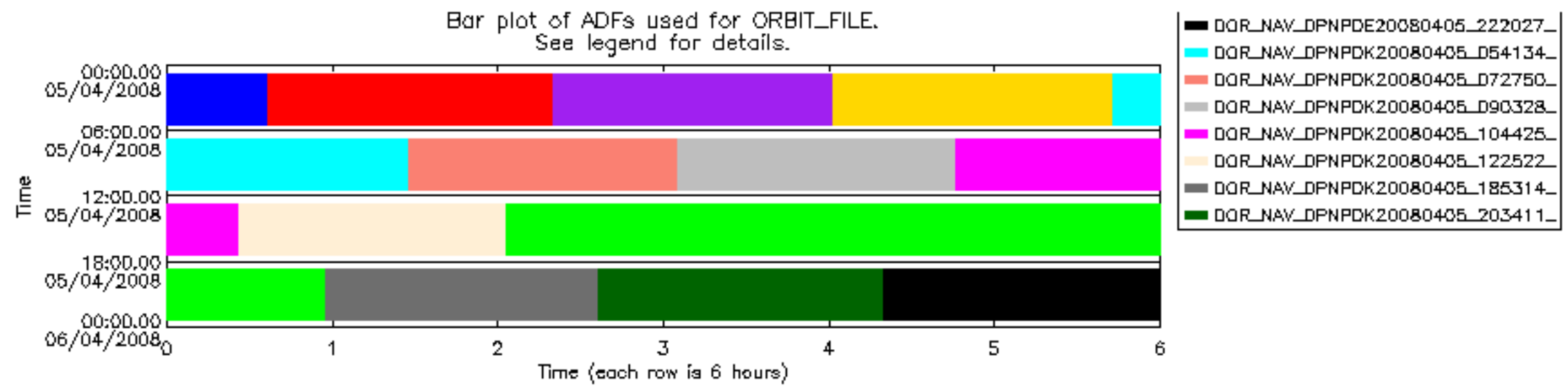


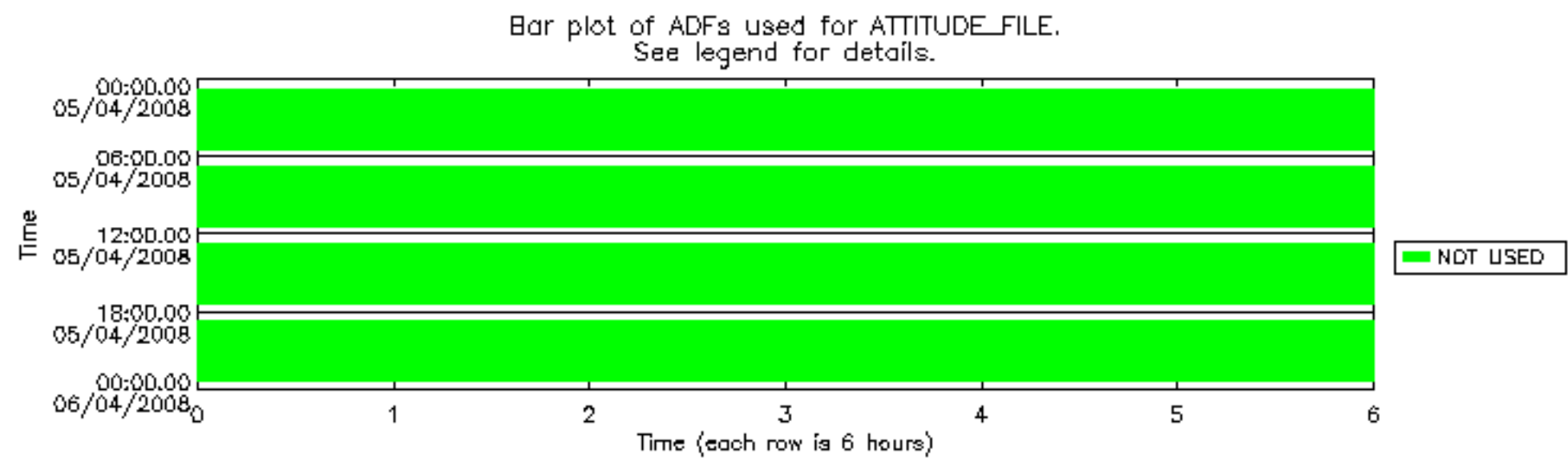












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 05APR2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

