

1. SCIAMACHY Daily Report for level 1 products

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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	13APR2008 02:34:57
Data source version	SCIA/6.03-N
Processing scope for products	10APR2008 00:00:00 to 11APR2008 00:00:00
Start time of first product within scope	09APR2008 23:04:19
Stop time of last product within scope	11APR2008 00:13:42
Total number of level 1 products	16
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__1PNPDE20080409_230419_000061042067_00330_31947_4992.N1	09APR2008 23:04:19	10APR2008 00:46:04	0	34	44	1	0	3	16	0
1	SCI_NL__1PNPDE20080410_004439_000059402067_00331_31948_5141.N1	10APR2008 00:44:39	10APR2008 02:23:40	0	35	47	1	0	2	8	2
2	SCI_NL__1PNPDE20080410_022231_000045372067_00332_31949_5250.N1	10APR2008 02:22:31	10APR2008 03:38:09	0	20	41	1	0	2	15	0
3	SCI_NL__1PNPDE20080410_033655_000062322067_00333_31950_5451.N1	10APR2008 03:36:55	10APR2008 05:20:47	0	36	46	1	0	3	13	2
4	SCI_NL__1PNPDE20080410_051935_000060932067_00334_31951_5581.N1	10APR2008 05:19:35	10APR2008 07:01:08	0	34	46	1	0	3	15	0
5	SCI_NL__1PNPDK20080410_070010_000040652067_00335_31952_4661.N1	10APR2008 07:00:10	10APR2008 08:07:55	0	18	29	1	0	3	15	0
6	SCI_NL__1PNPDK20080410_080639_000062622067_00336_31953_4797.N1	10APR2008 08:06:39	10APR2008 09:51:01	0	36	46	1	0	3	15	0
7	SCI_NL__1PNPDK20080410_095015_000059762067_00337_31954_4940.N1	10APR2008 09:50:15	10APR2008 11:29:51	0	34	44	1	0	2	15	0
8	SCI_NL__1PNPDK20080410_112846_000059982067_00338_31955_5078.N1	10APR2008 11:28:46	10APR2008 13:08:44	0	33	45	1	0	3	15	0
9	SCI_NL__1PNPDK20080410_130813_000059752067_00339_31956_5236.N1	10APR2008 13:08:13	10APR2008 14:47:48	0	34	44	1	0	2	15	0
10	SCI_NL__1PNPDK20080410_144657_000057682067_00340_31957_5370.N1	10APR2008 14:46:57	10APR2008 16:23:05	0	32	42	1	0	3	15	0
11	SCI_NL__1PNPDK20080410_162106_000060932067_00341_31958_5437.N1	10APR2008 16:21:06	10APR2008 18:02:40	0	34	45	2	1	3	15	0
12	SCI_NL__1PNPDK20080410_180106_000059922067_00342_31959_5560.N1	10APR2008 18:01:06	10APR2008 19:40:58	0	34	29	1	5	3	27	2
13	SCI_NL__1PNPDE20080410_193950_000041802067_00343_31960_5957.N1	10APR2008 19:39:50	10APR2008 20:49:30	0	34	26	0	0	1	2	0
14	SCI_NL__1PNPDE20080410_204817_000063852067_00343_31960_6162.N1	10APR2008 20:48:17	10APR2008 22:34:42	0	35	48	1	0	2	20	0
15	SCI_NL__1PNPDE20080410_223308_000060342067_00344_31961_6249.N1	10APR2008 22:33:08	11APR2008 00:13:42	0	34	44	1	0	3	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:

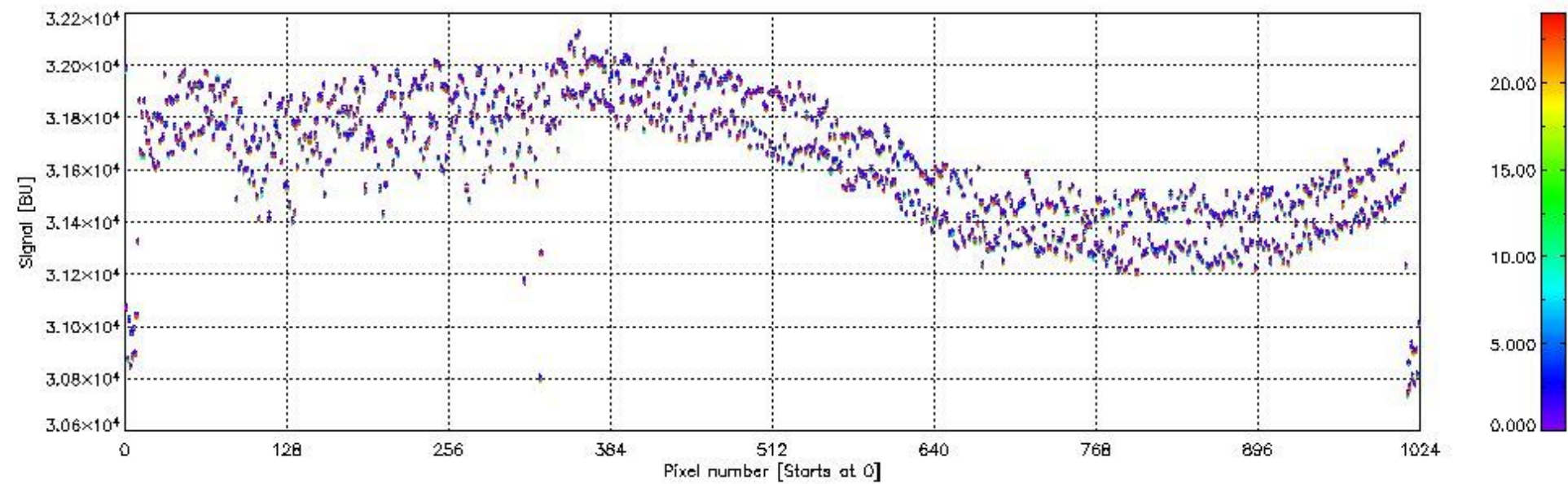
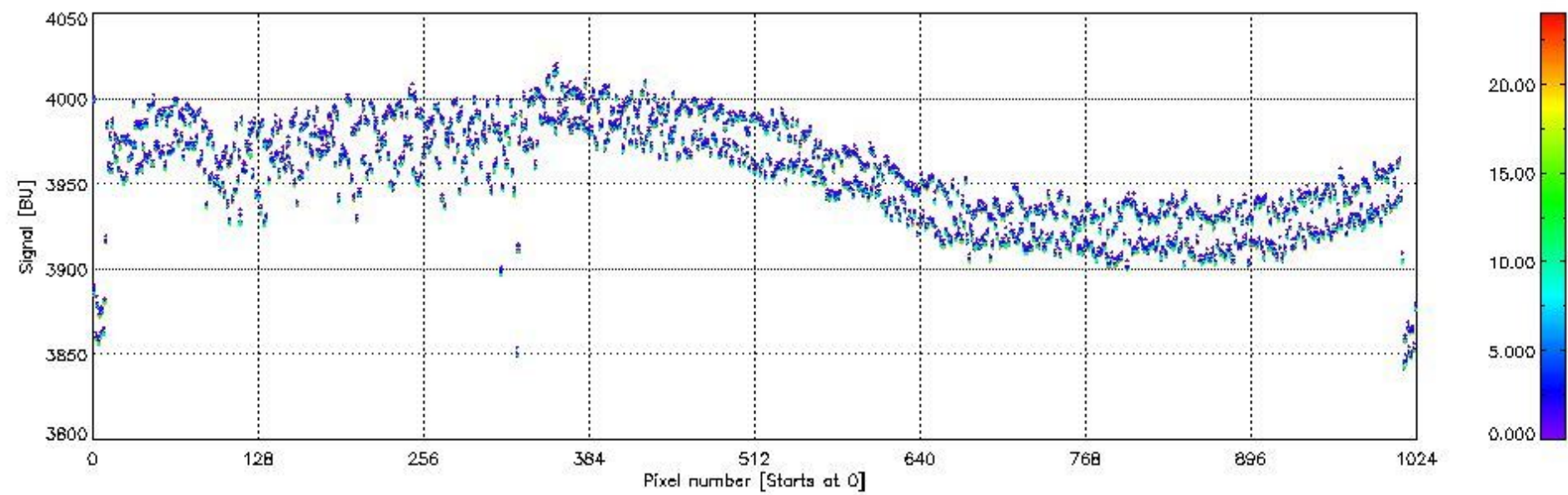
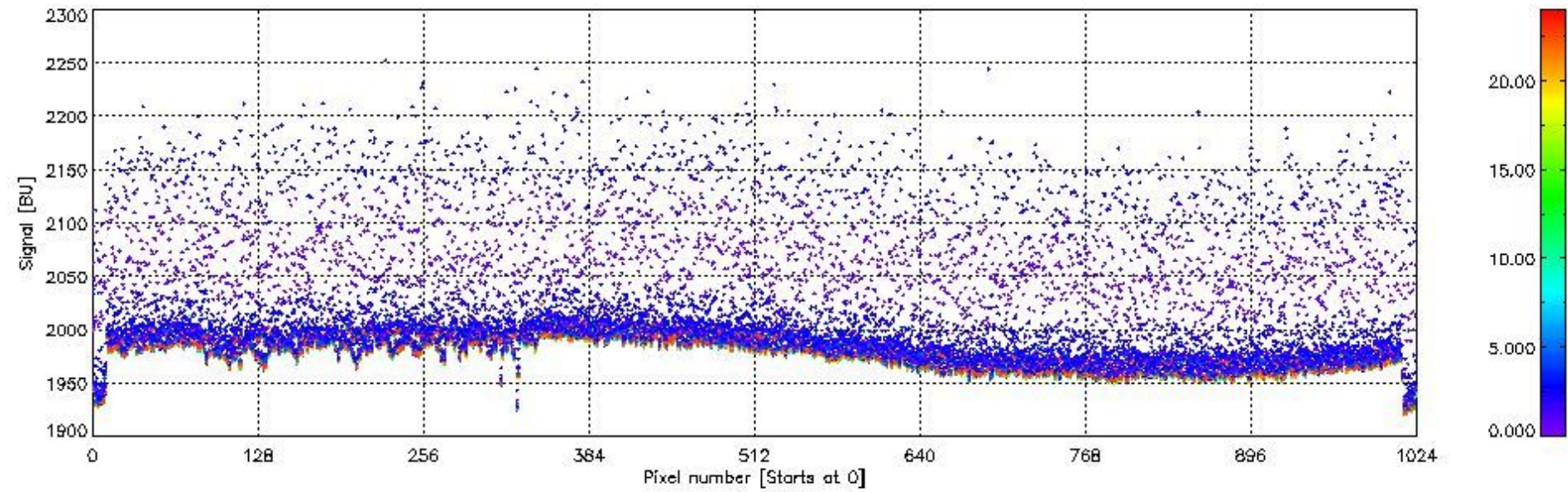
- Dark measurements (if available)
- New leakage current parameters (if available)
- New spectral calibration parameters (if available)

4. New sun reference spectrum (if available)
5. New PPG/Etalon parameters (if available)

1.2.1 Dark measurements overview

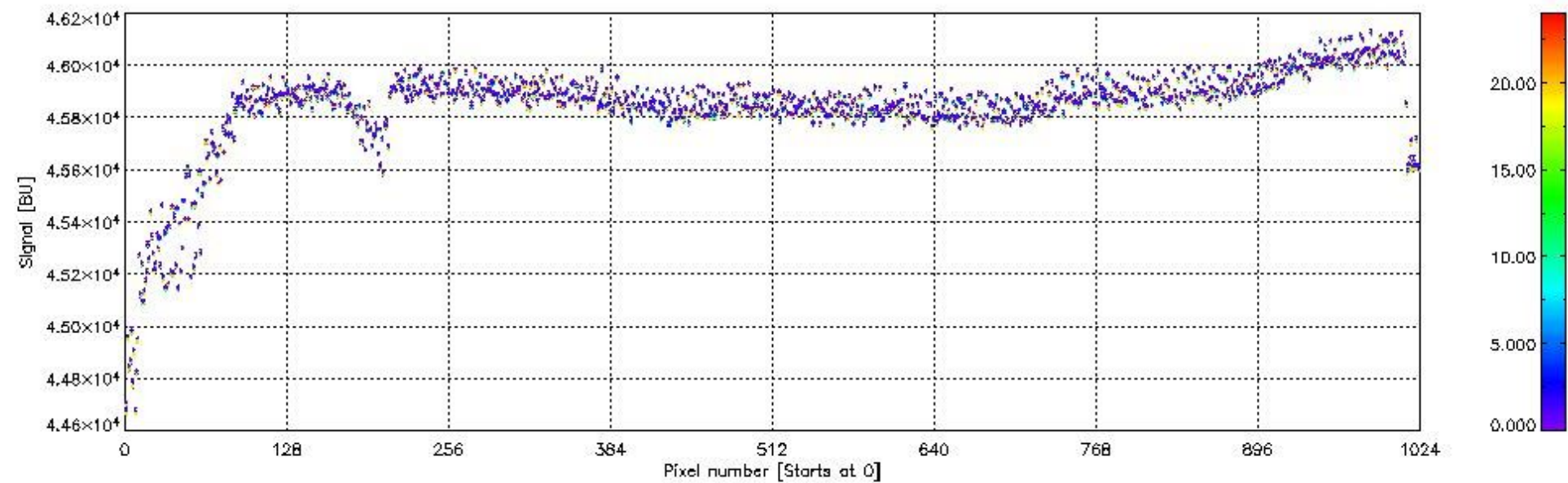
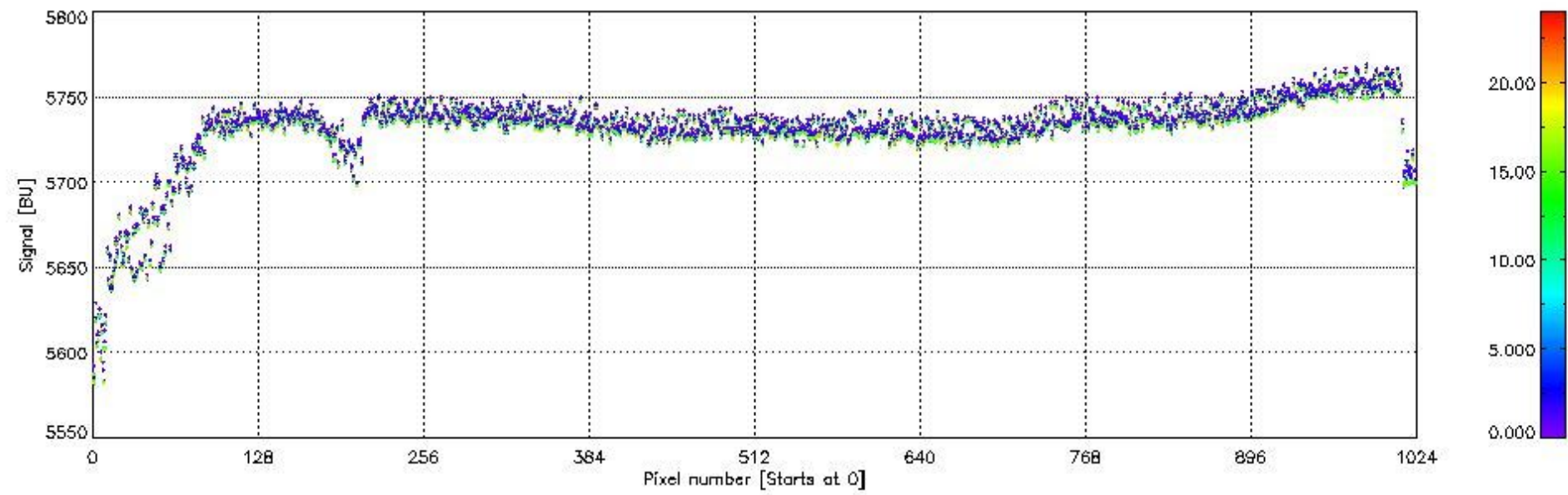
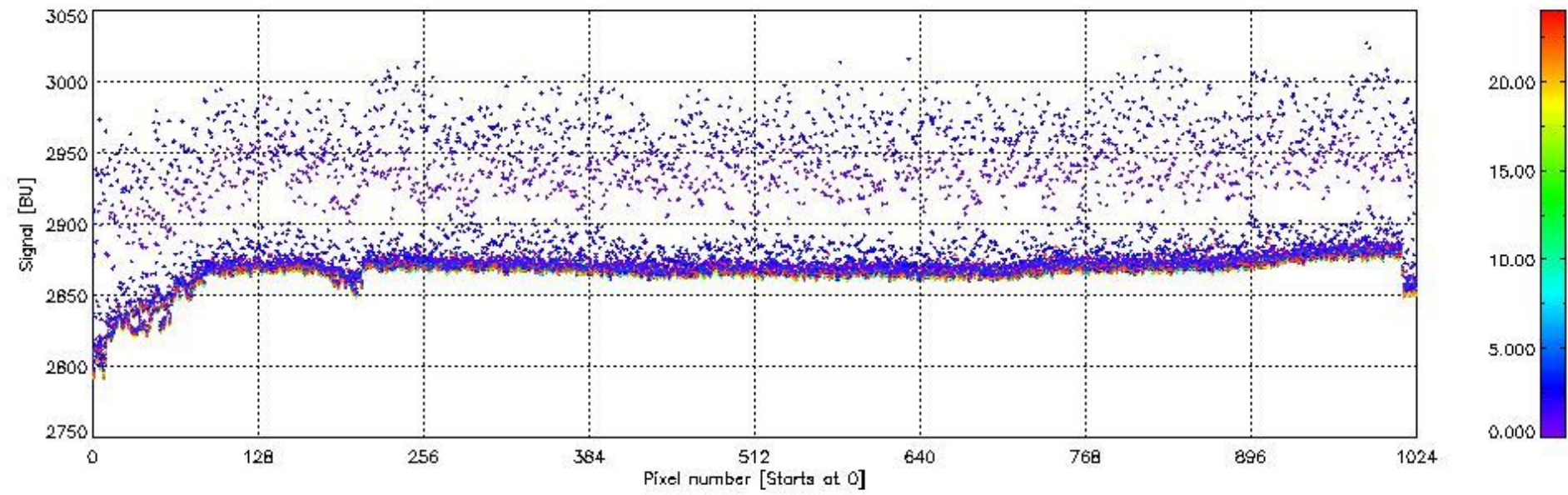
This section lists properties of the dark measurements performed within the processing scope.

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 1 on 10APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 10APR2008 00:00:00



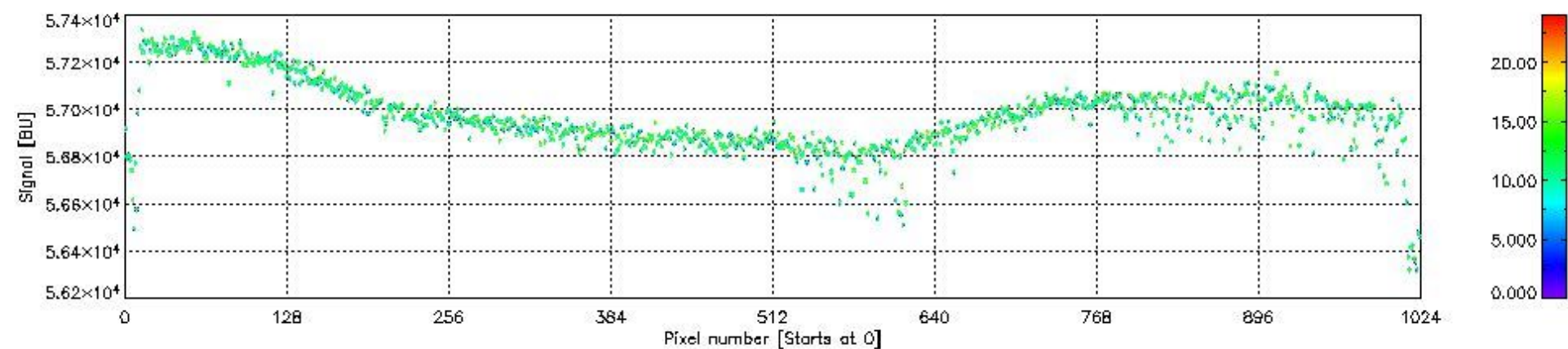
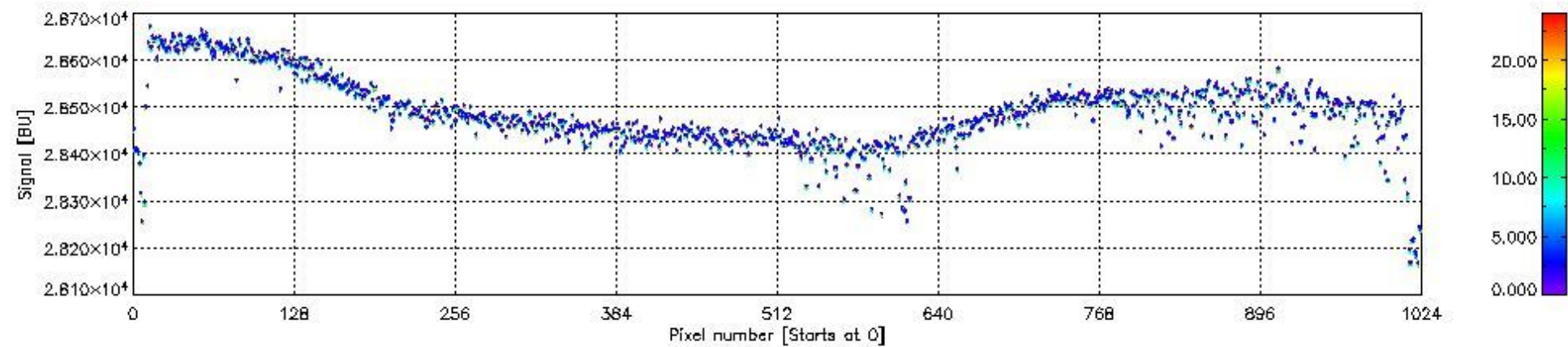
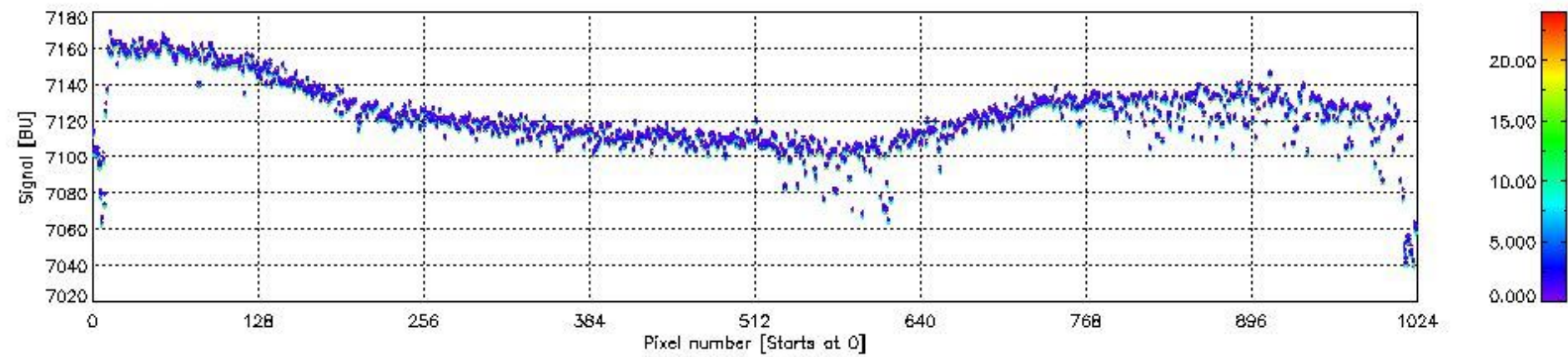
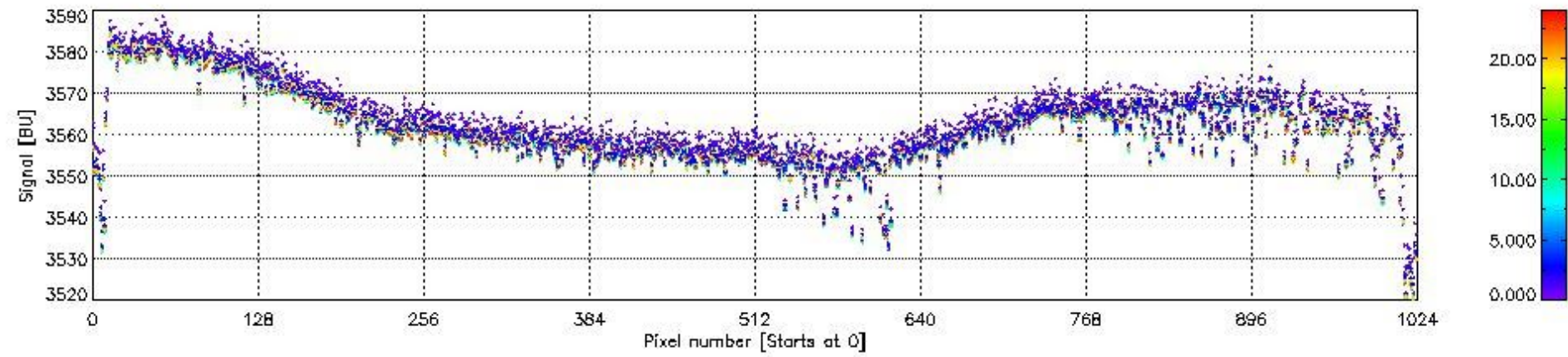
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_0.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 2 on 10APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 10APR2008 00:00:00



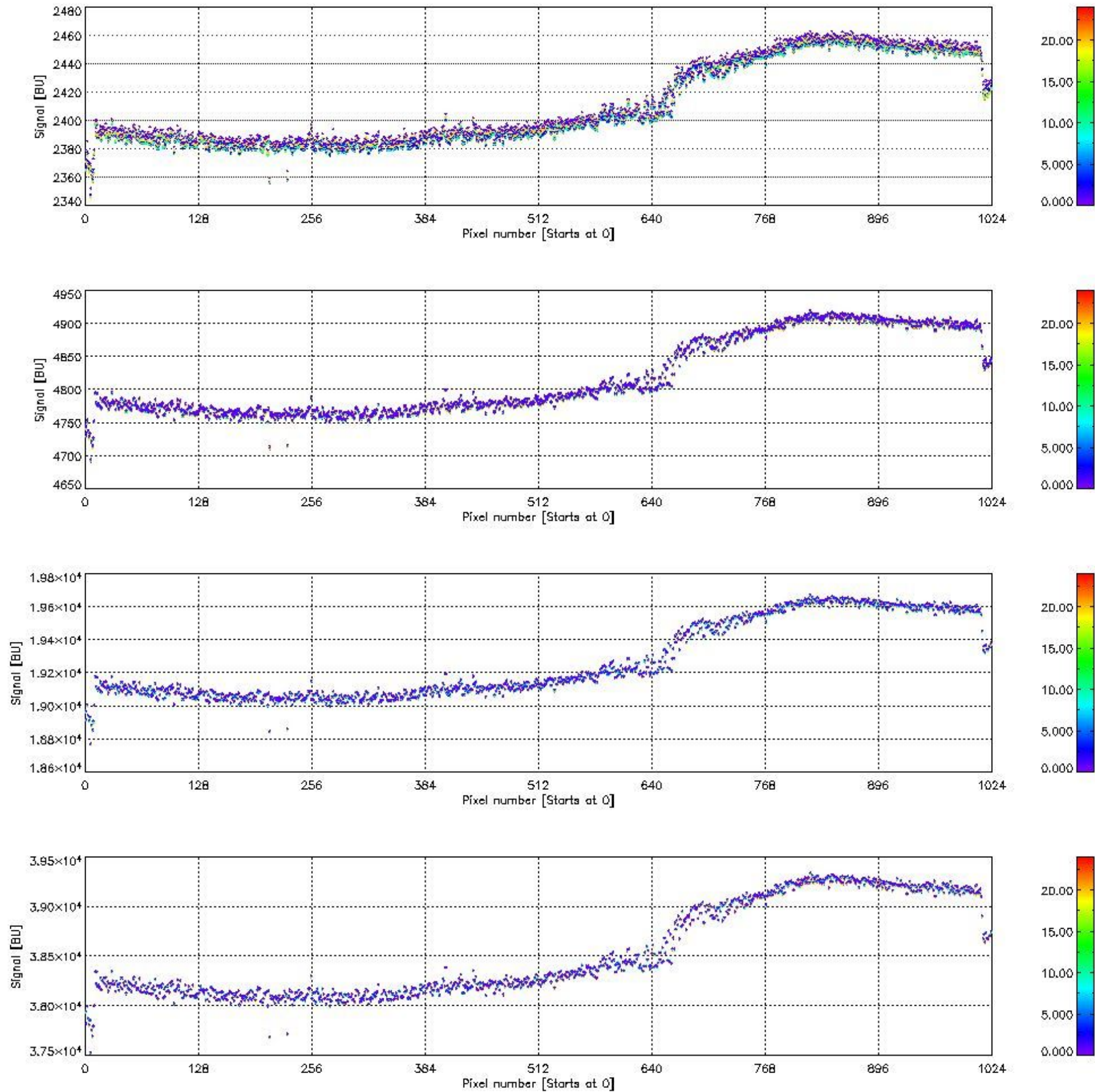
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_1.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 3 on 10APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 10APR2008 00:00:00



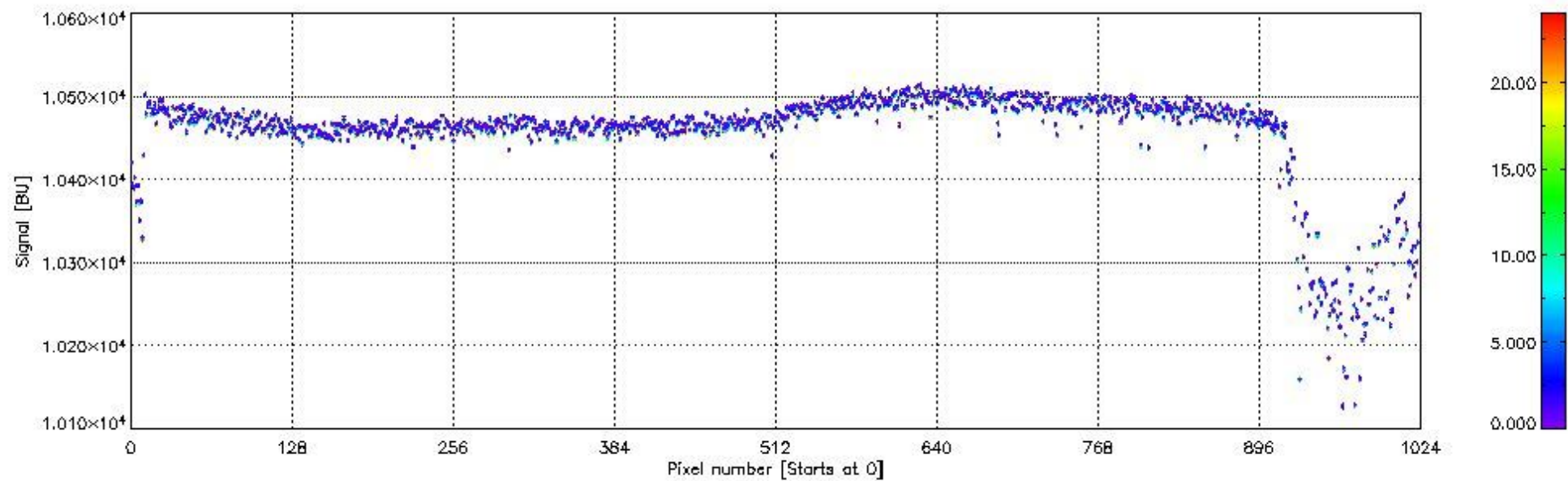
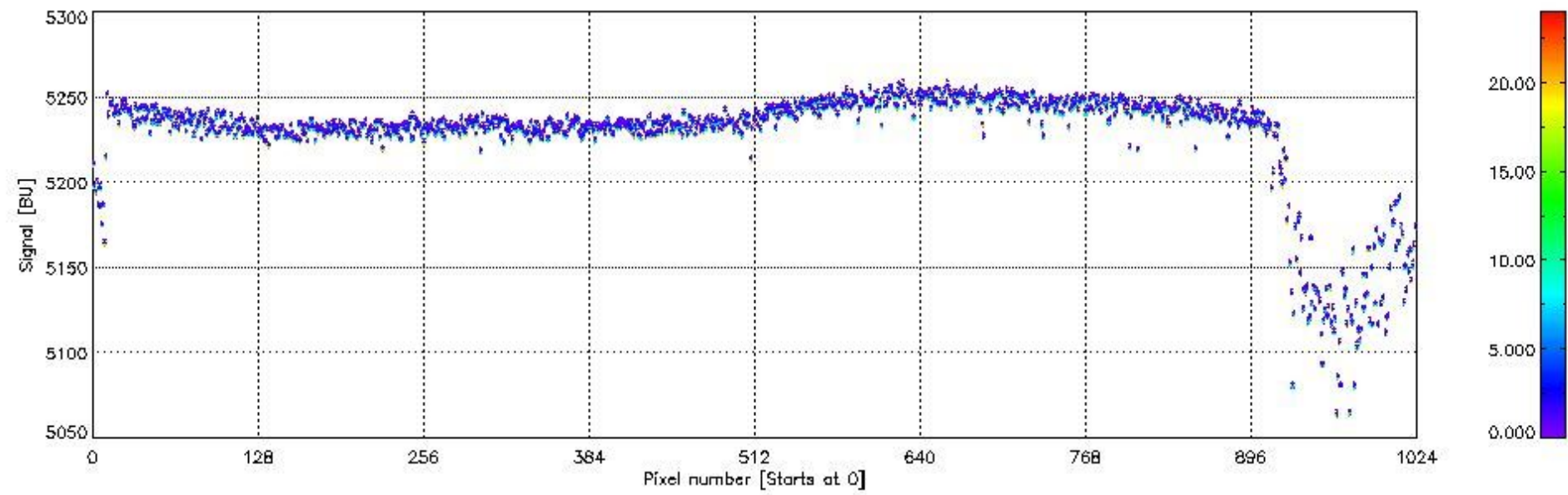
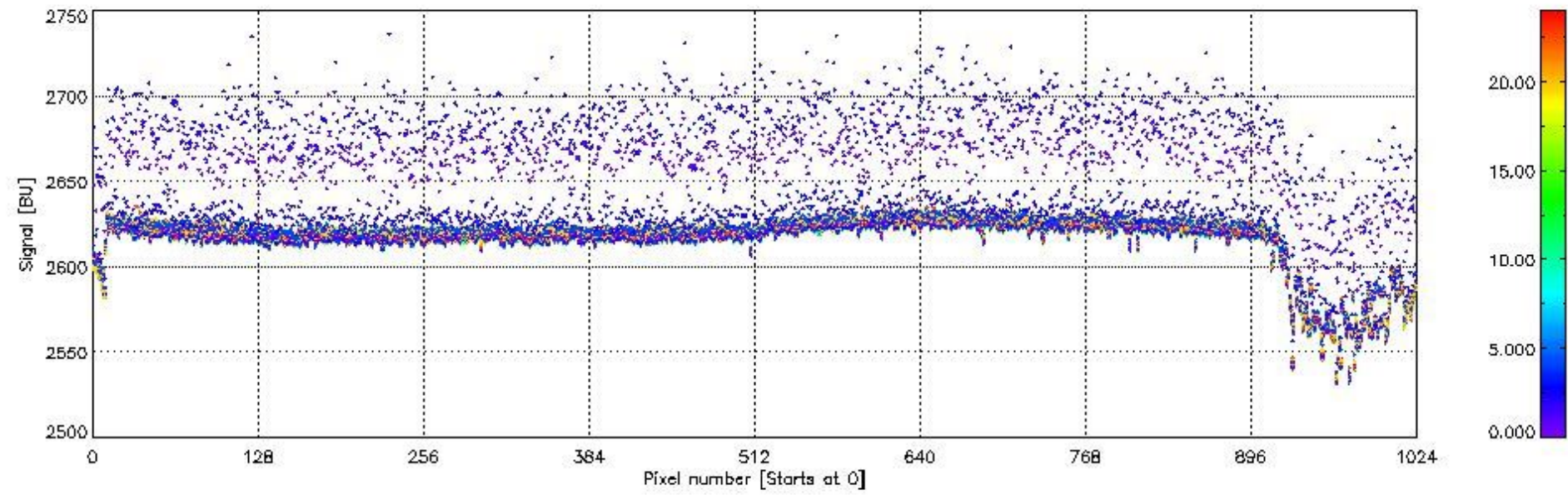
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_2.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 4 on 10APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 10APR2008 00:00:00



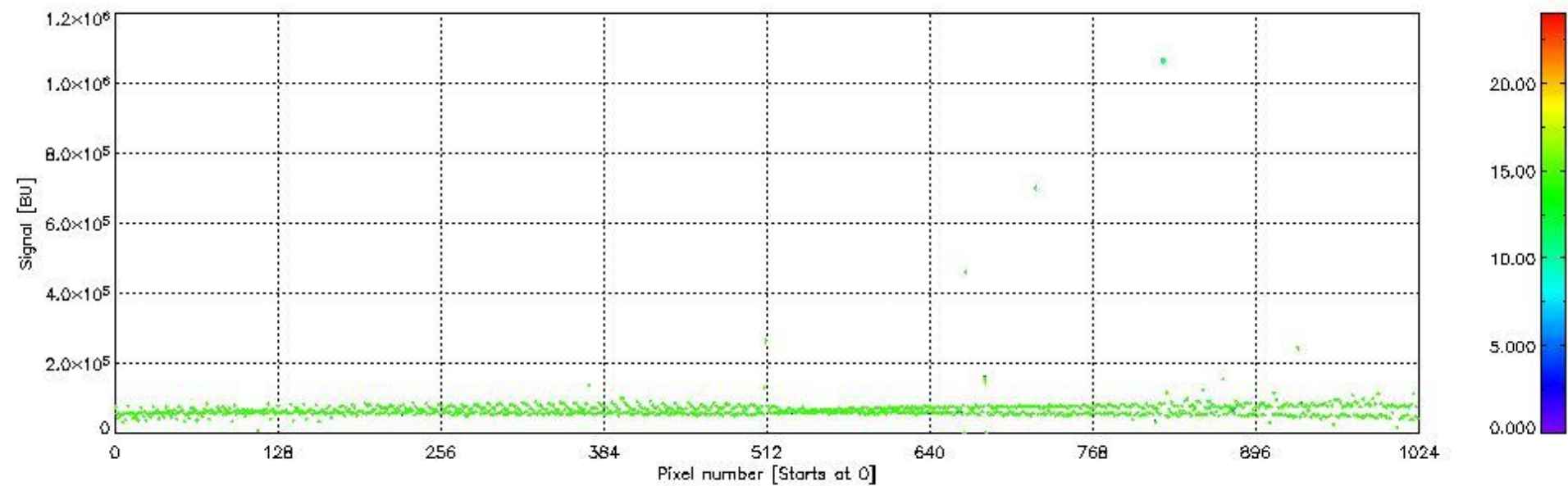
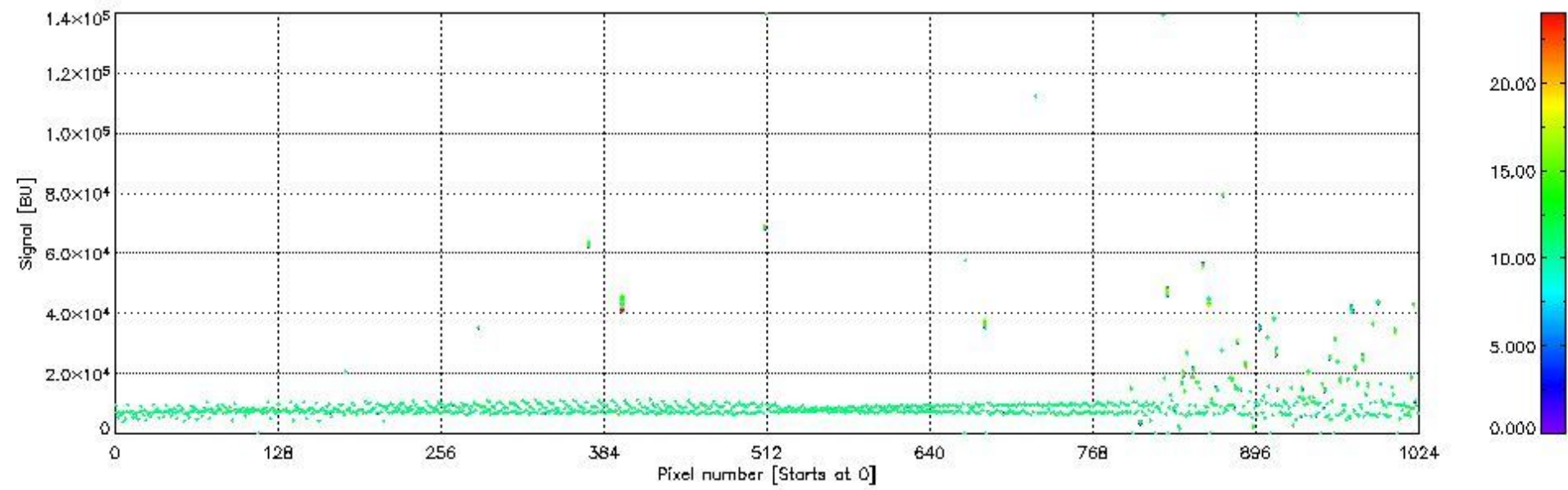
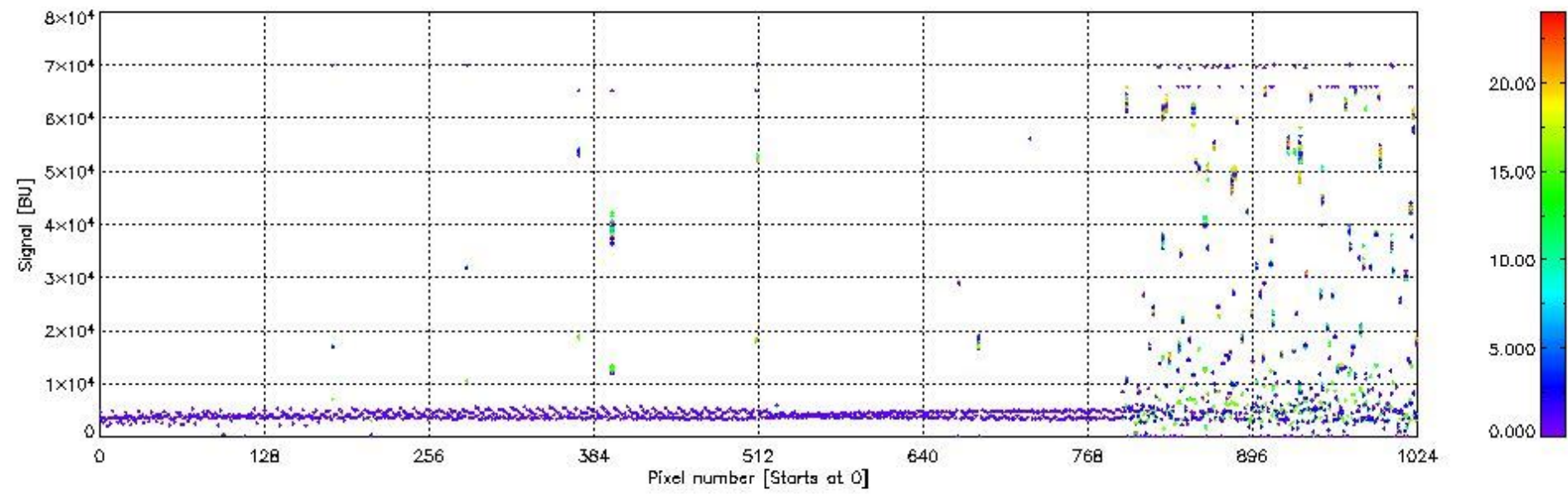
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_3.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 5 on 10APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 10APR2008 00:00:00



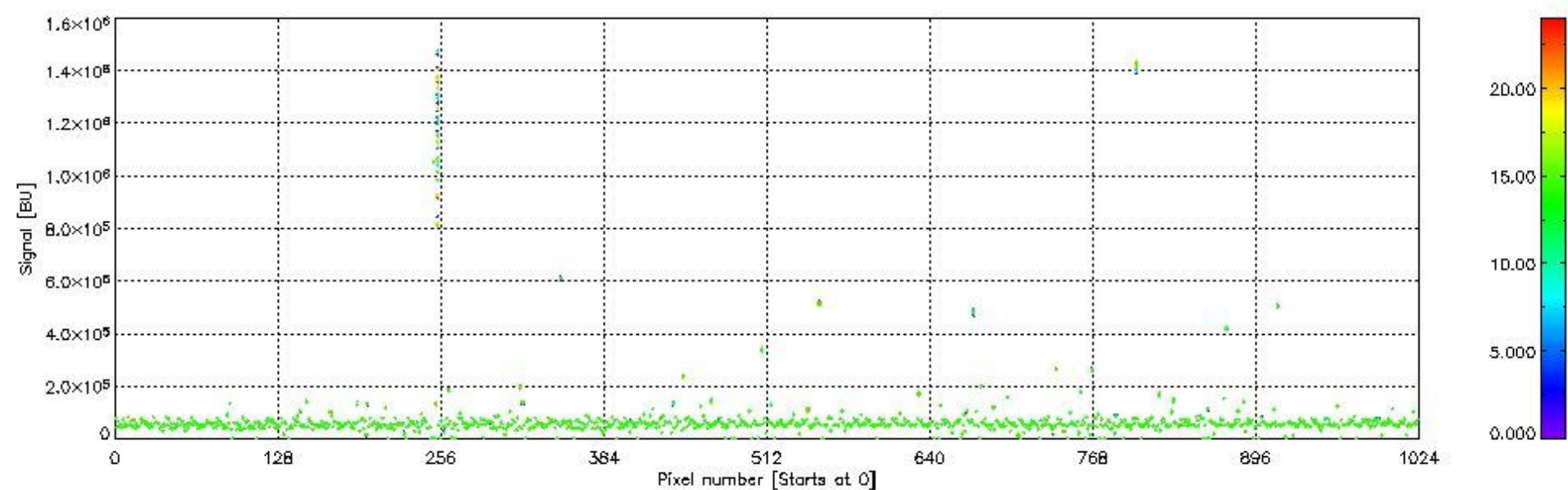
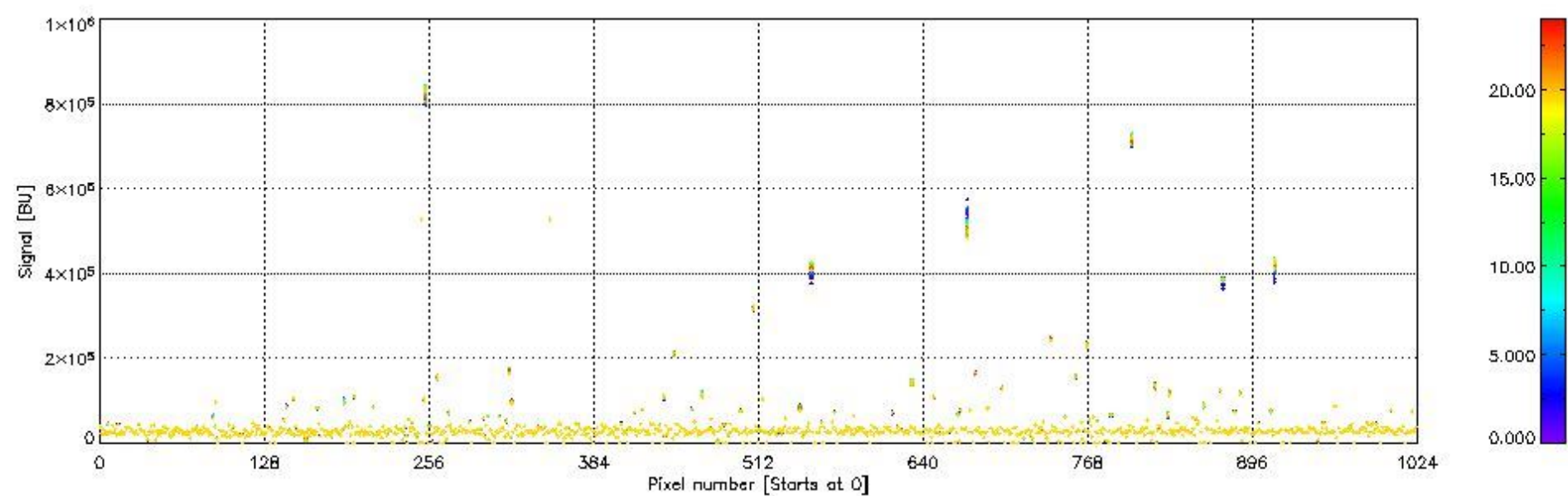
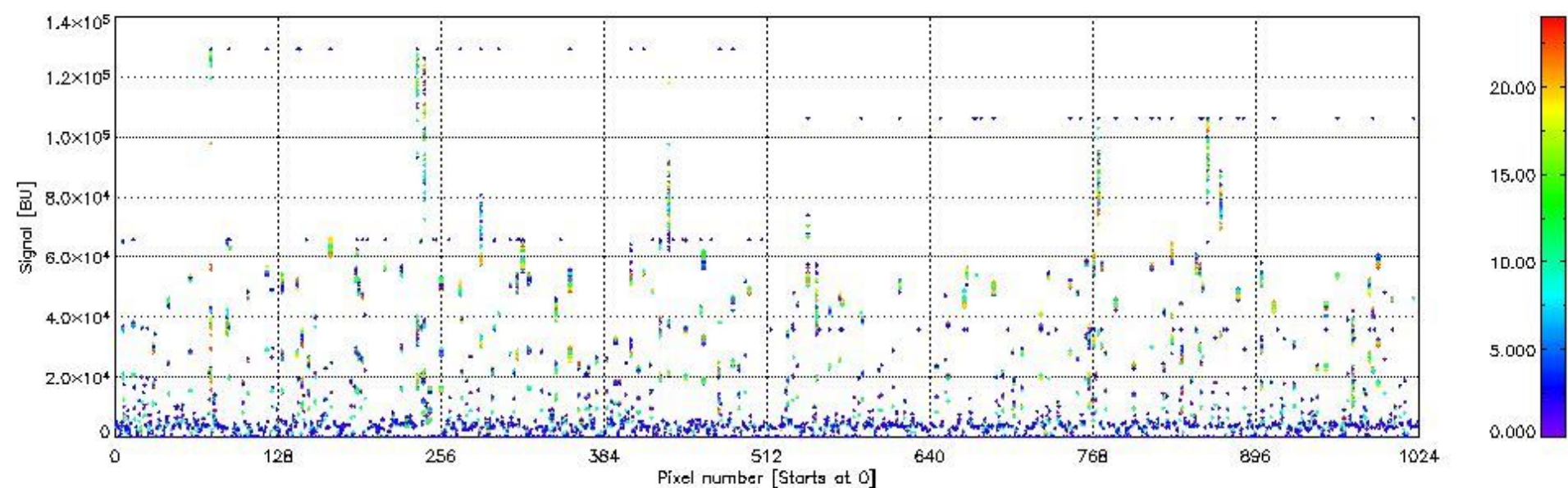
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_4.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 6 on 10APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 10APR2008 00:00:00



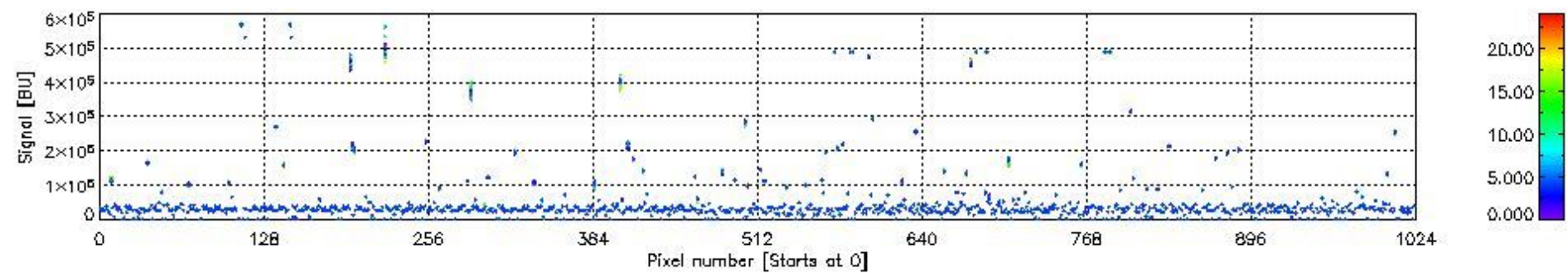
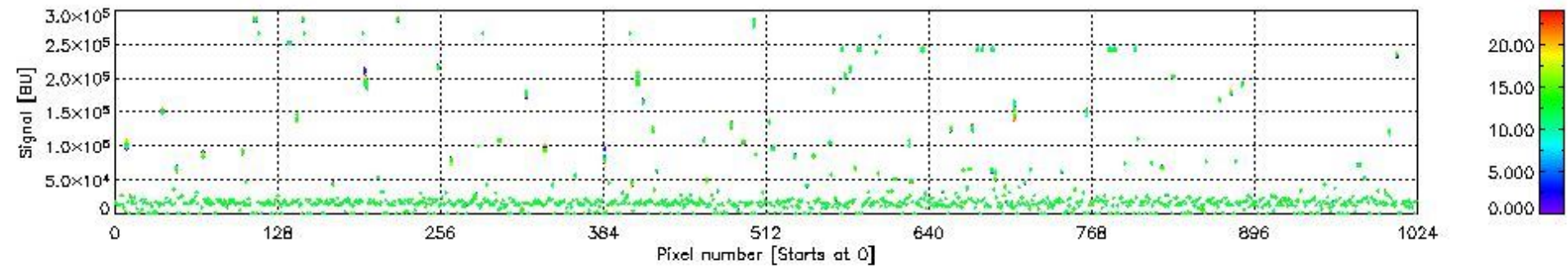
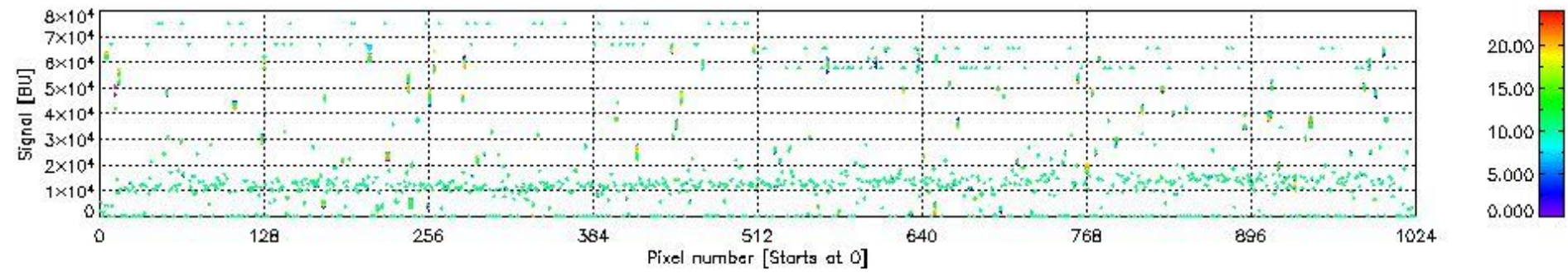
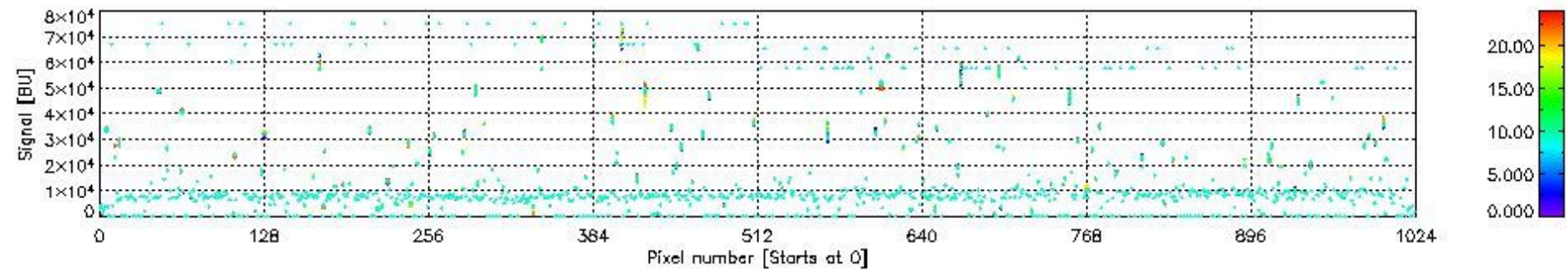
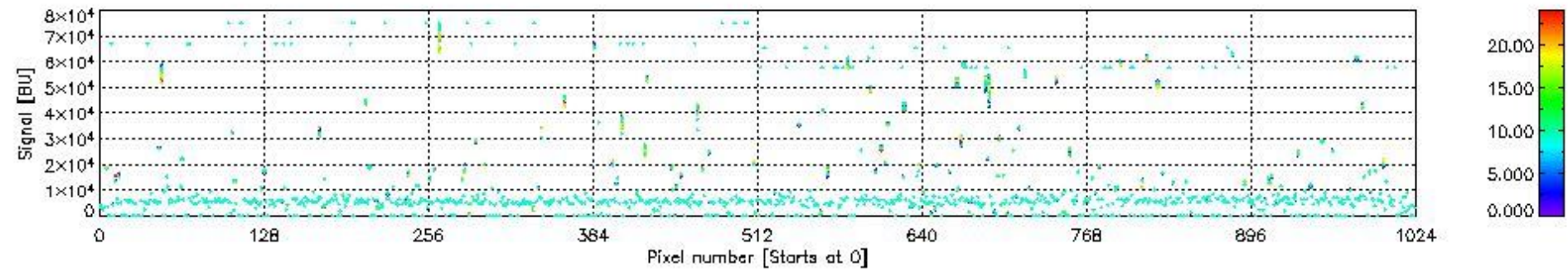
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_5.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 7 on 10APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 10APR2008 00:00:00



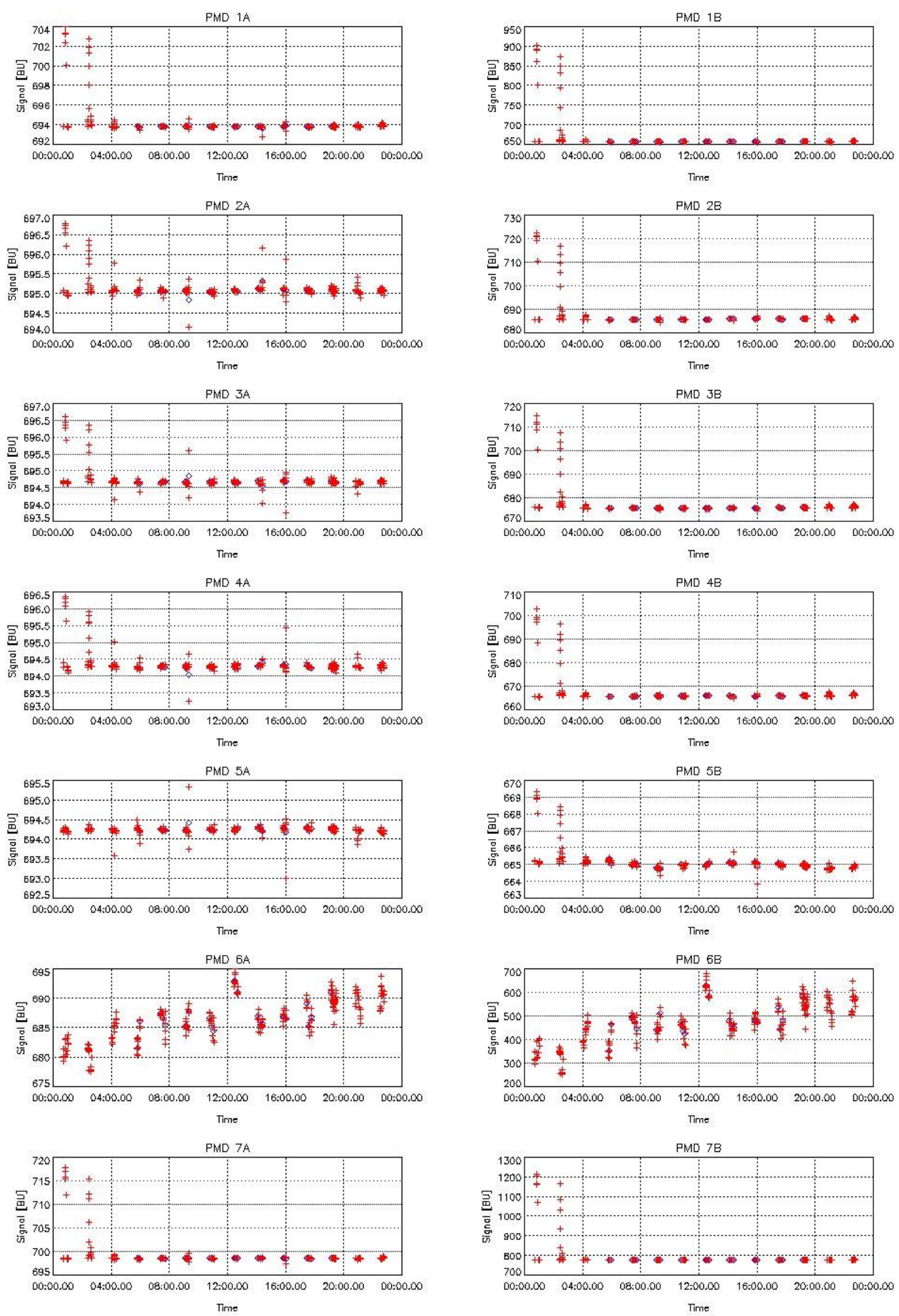
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_6.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 8 on 10APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 10APR2008 00:00:00



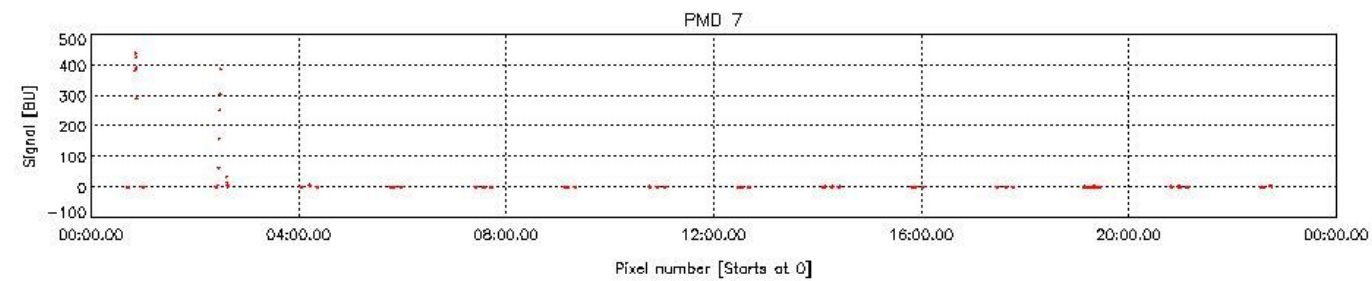
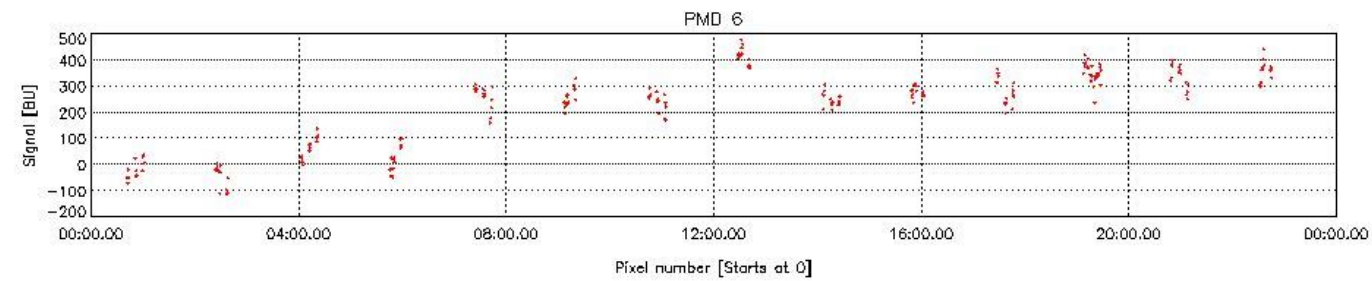
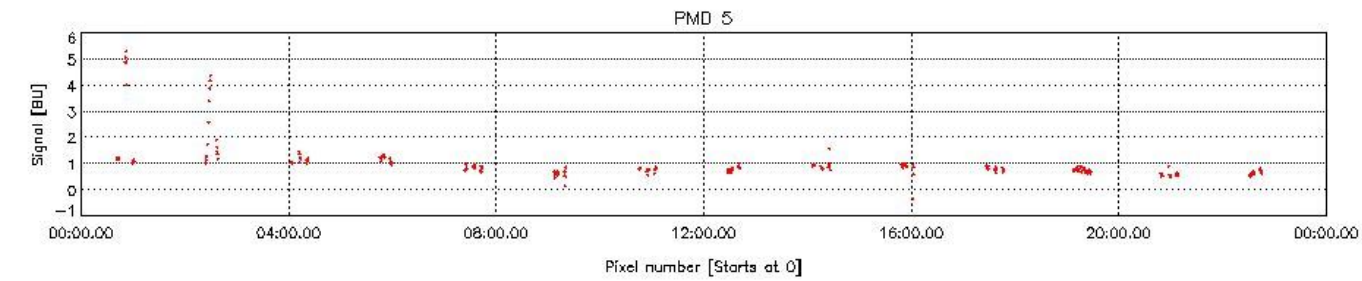
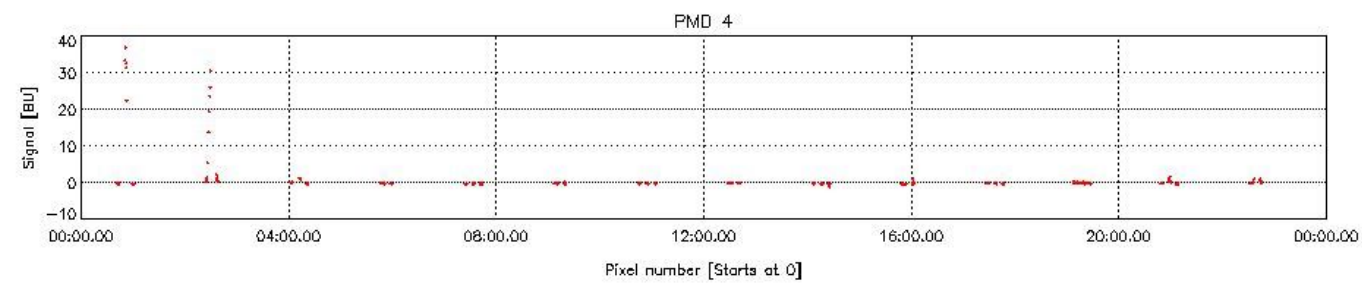
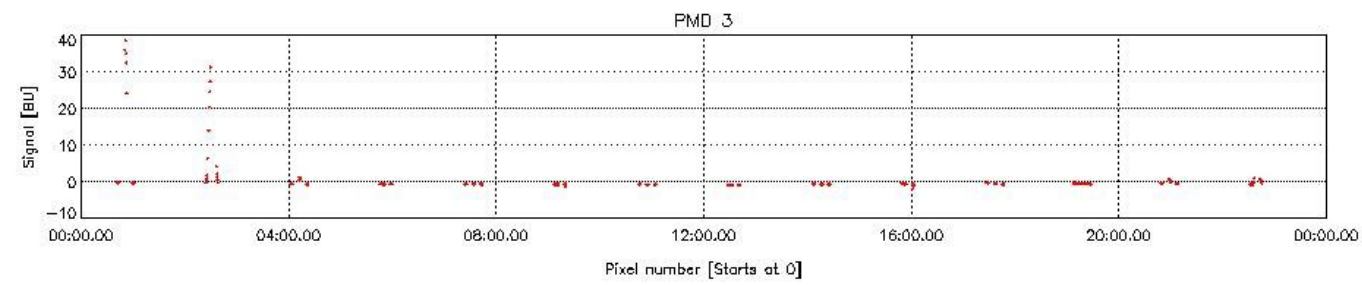
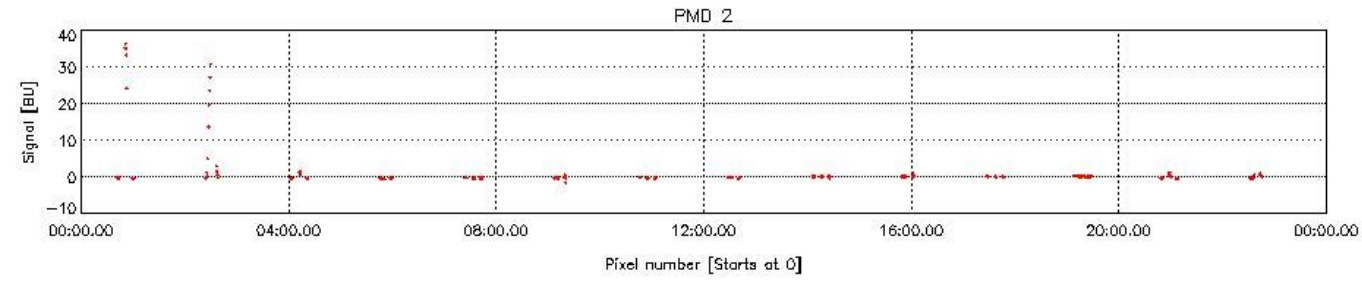
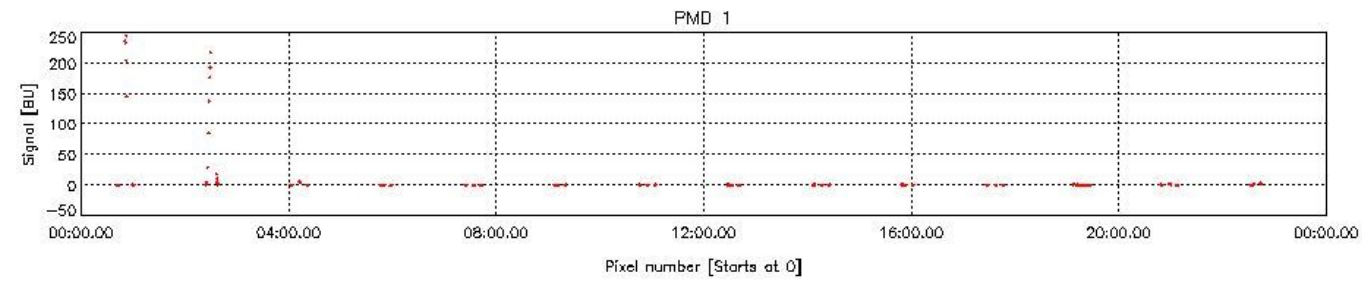
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_7.PNG

Plots of SCINL1P_DARAVE_pmd_dark_offset vs time on 10APR2008 (red).
New leakage current offset data is given in blue for comparison.

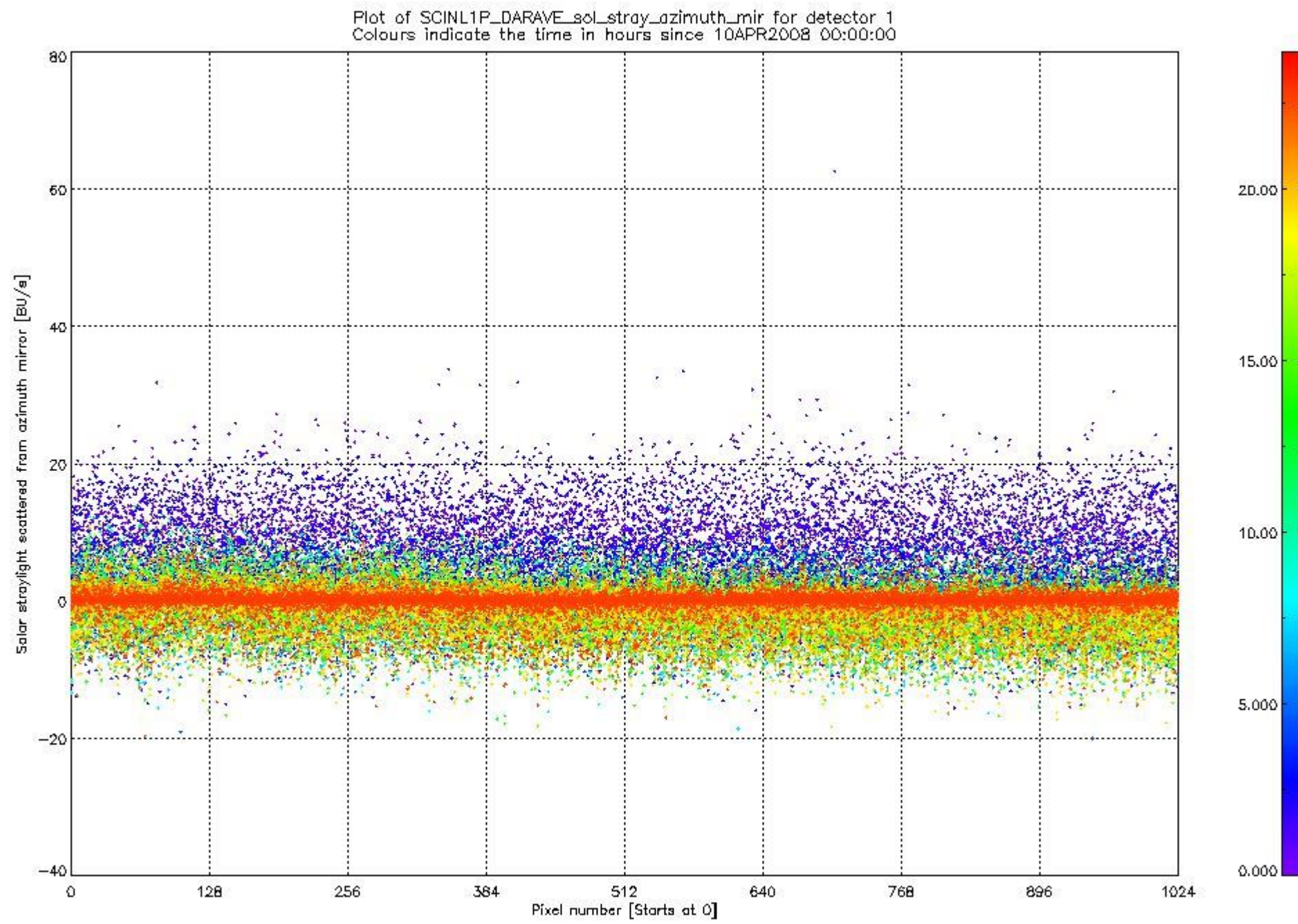


sciamachy_daily_report_level1_SCIA_6_03_N_20080410_8.PNG

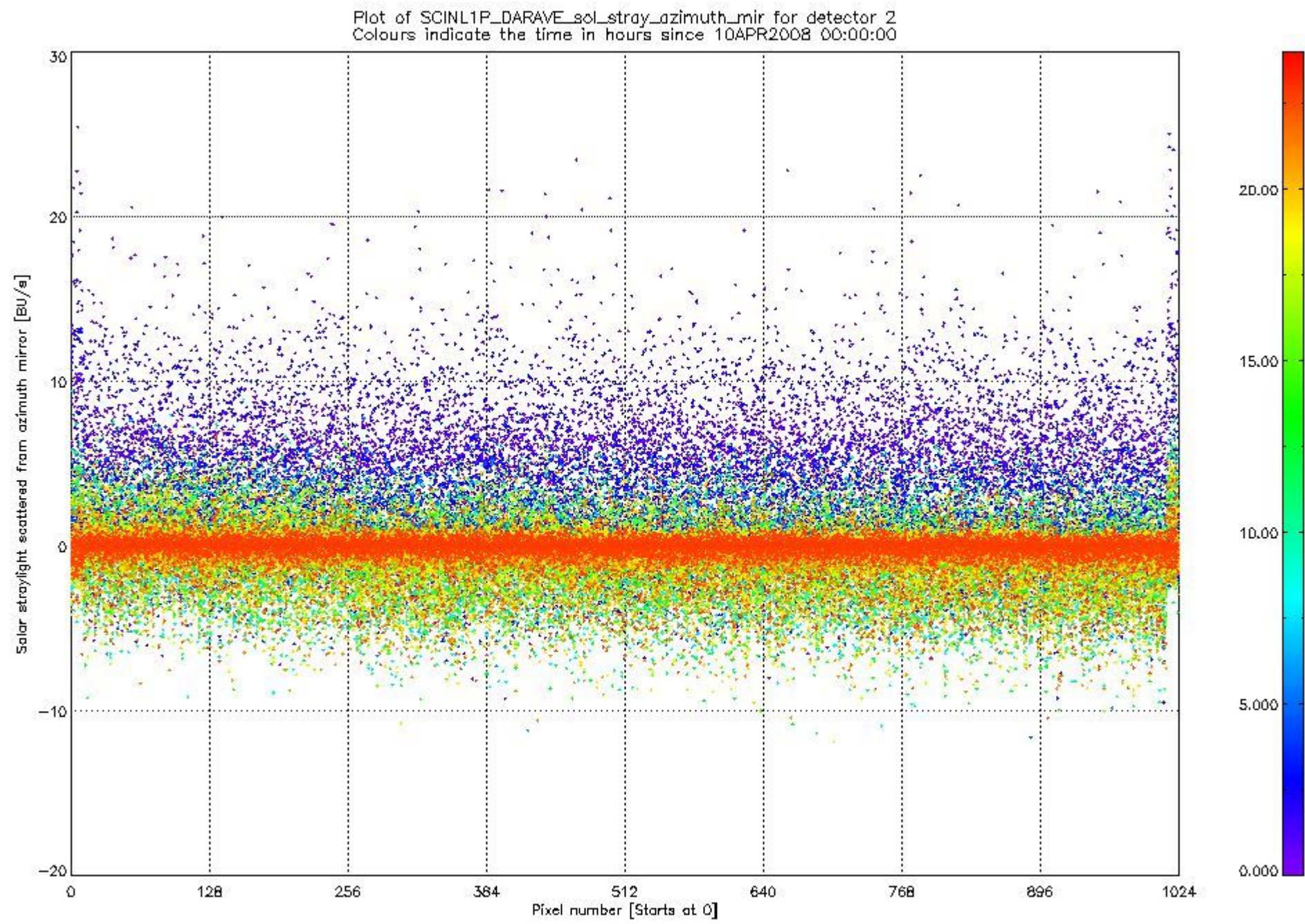
Plots of SCINL1P_DARAVE_stray_off_pmd vs time on 10APR2008.



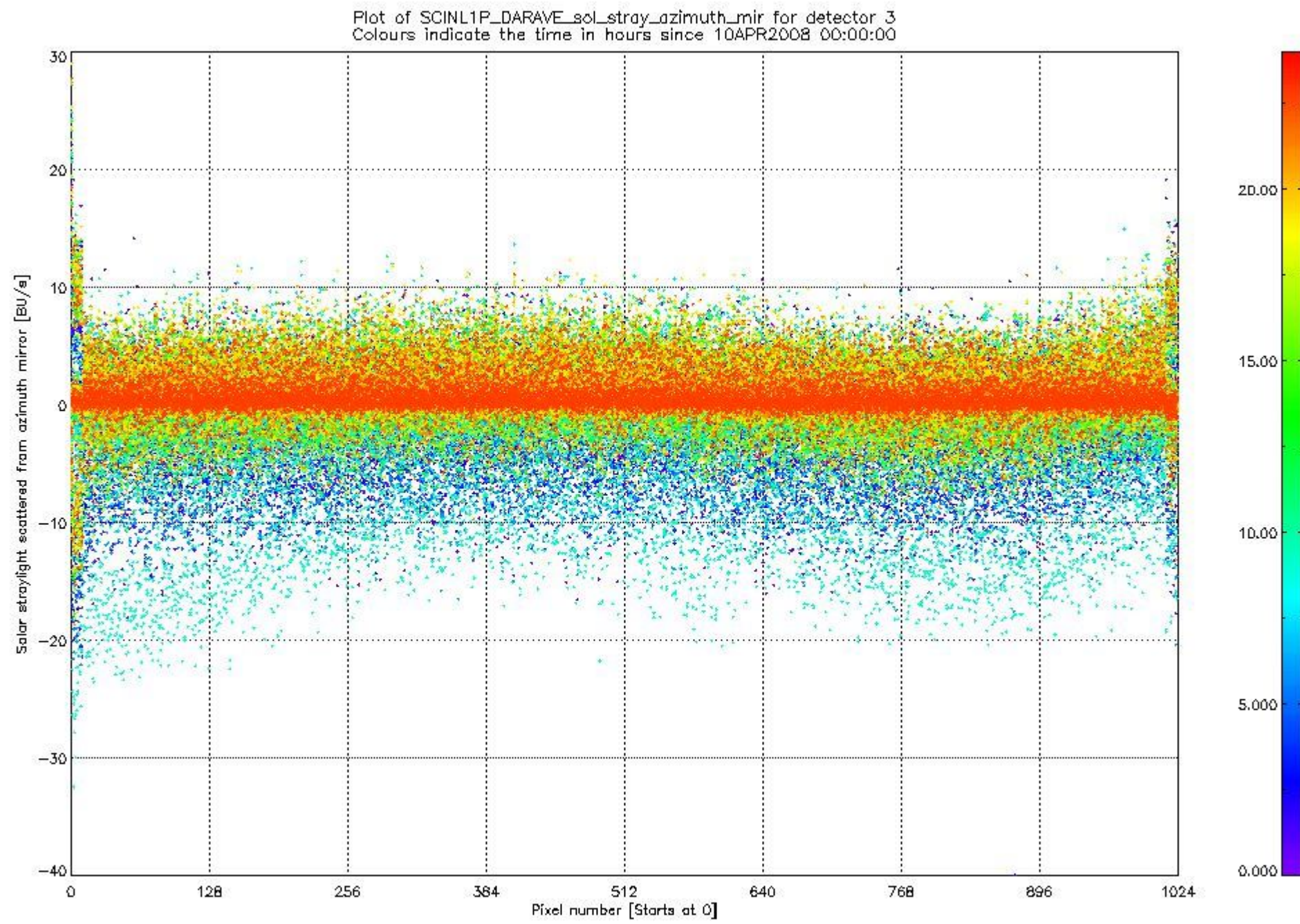
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_9.PNG



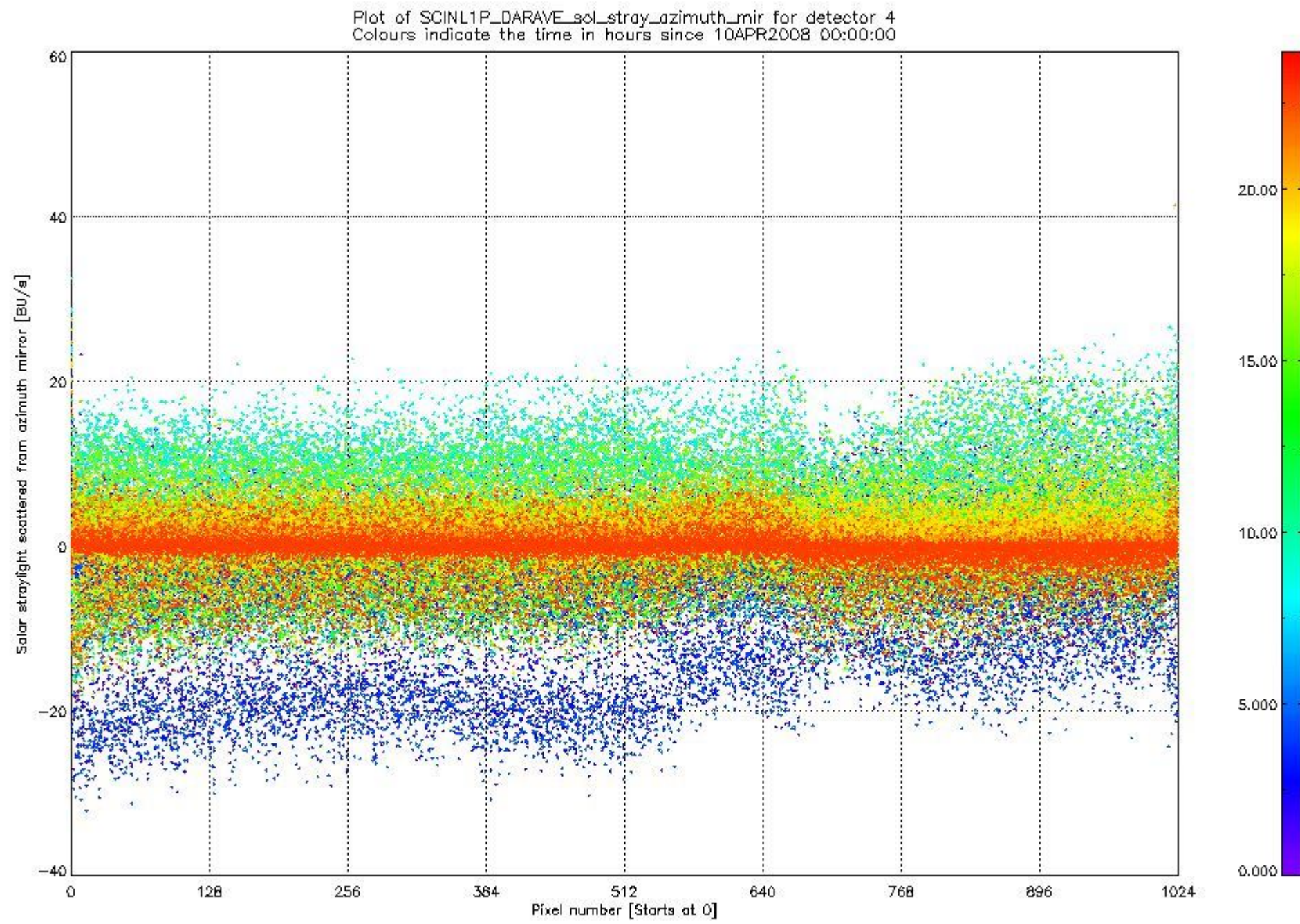
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_10.PNG



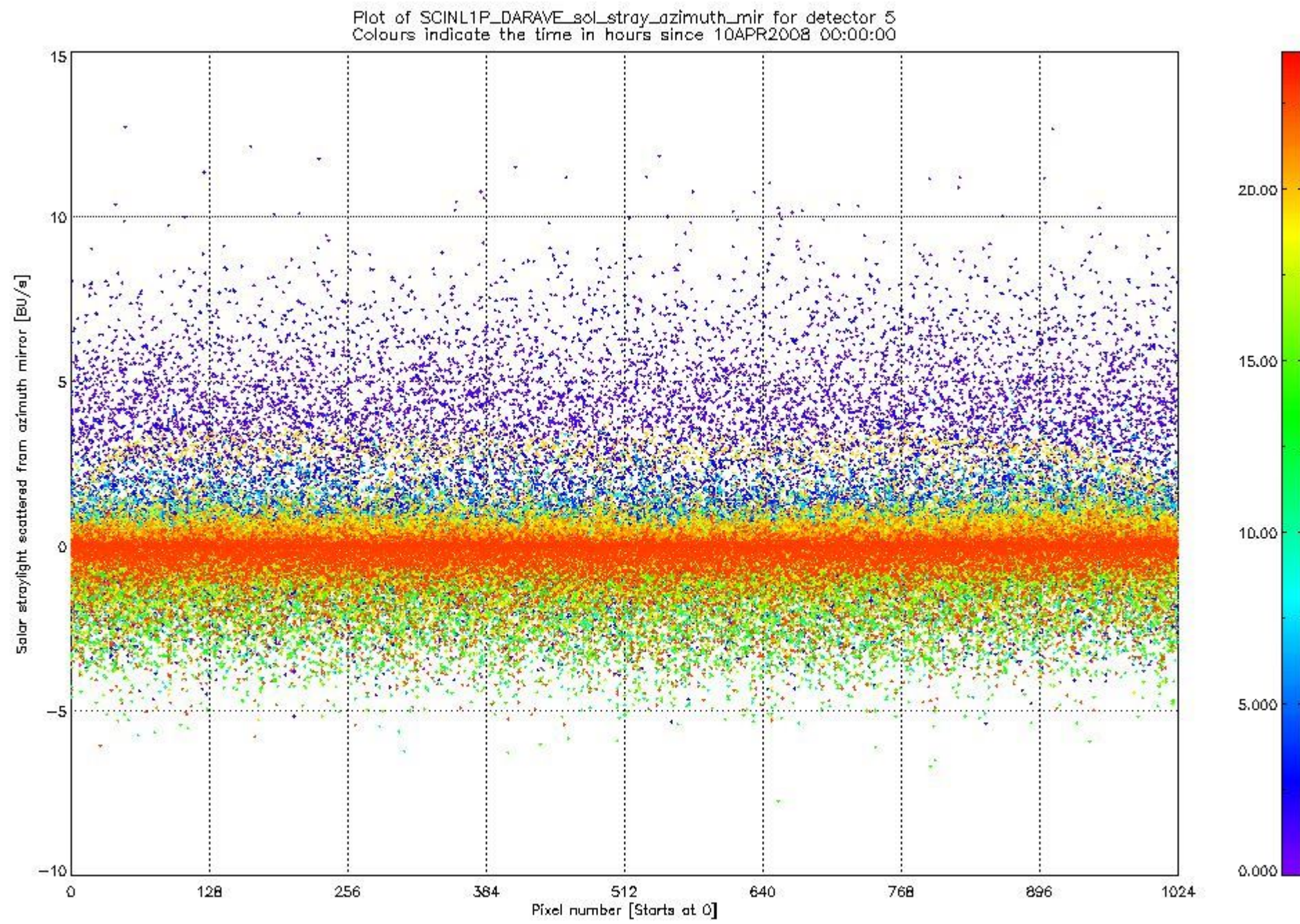
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_11.PNG



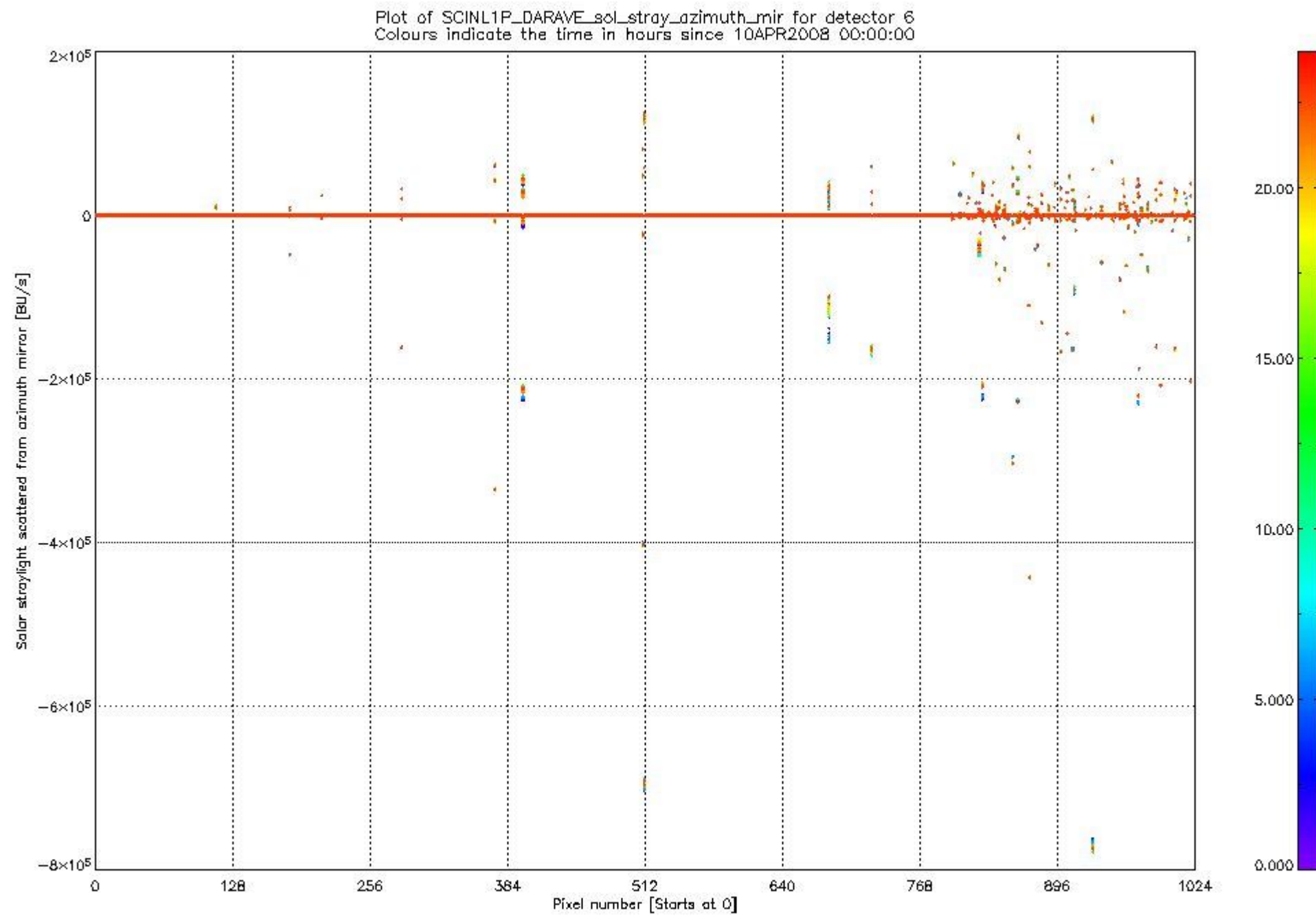
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_12.PNG



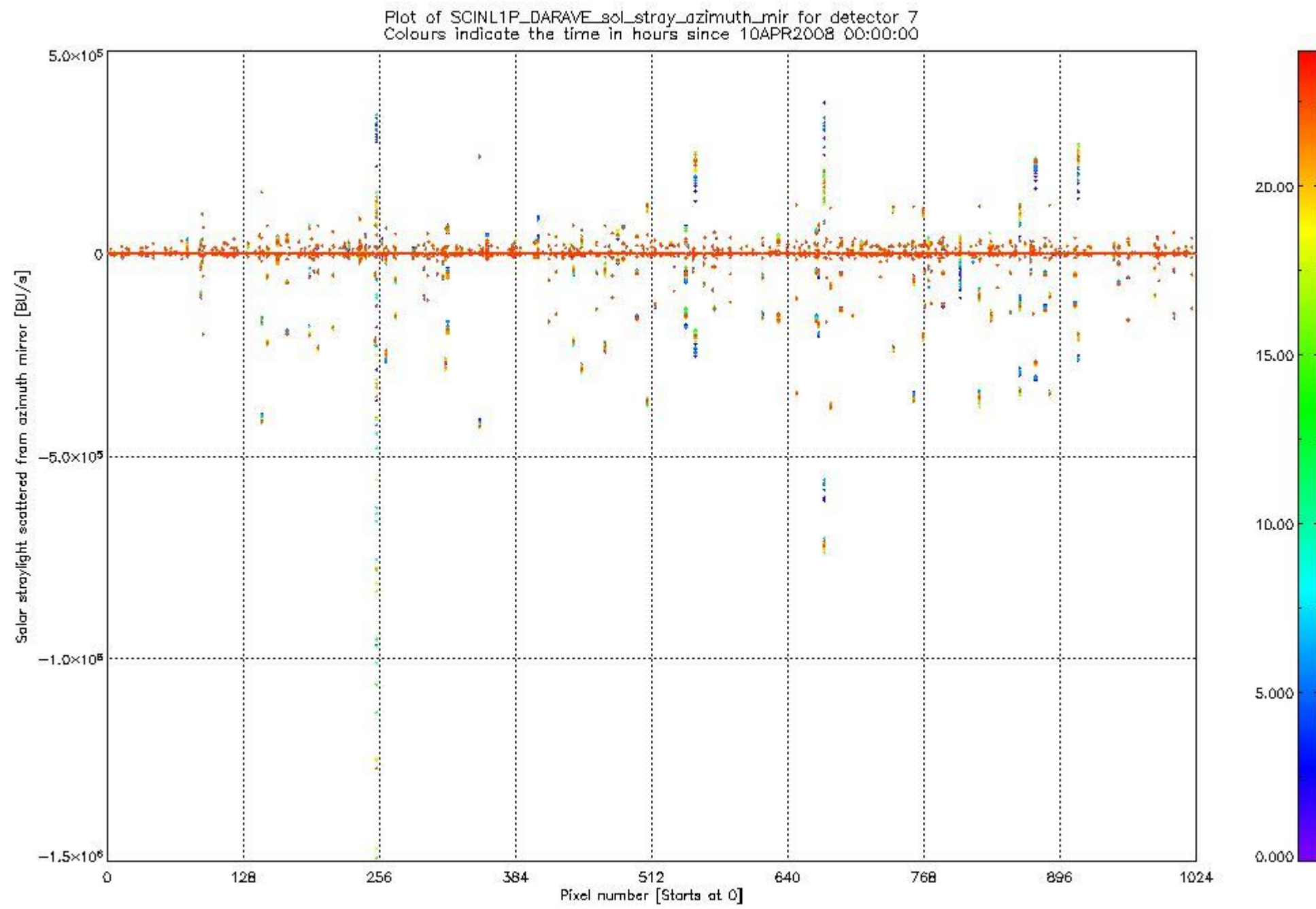
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_13.PNG



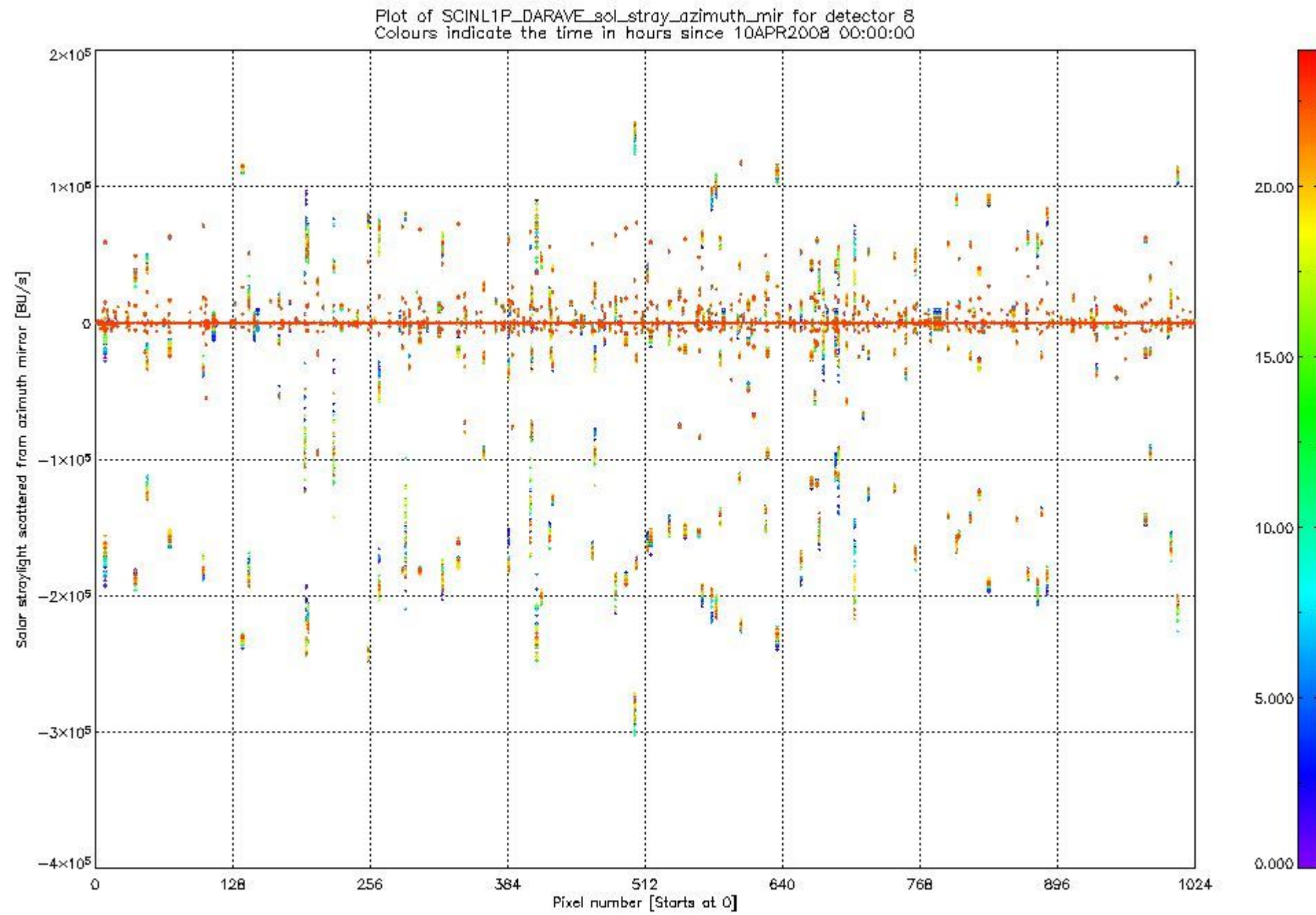
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_14.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080410_15.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080410_16.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080410_17.PNG

1.2.2 New leakage current parameters

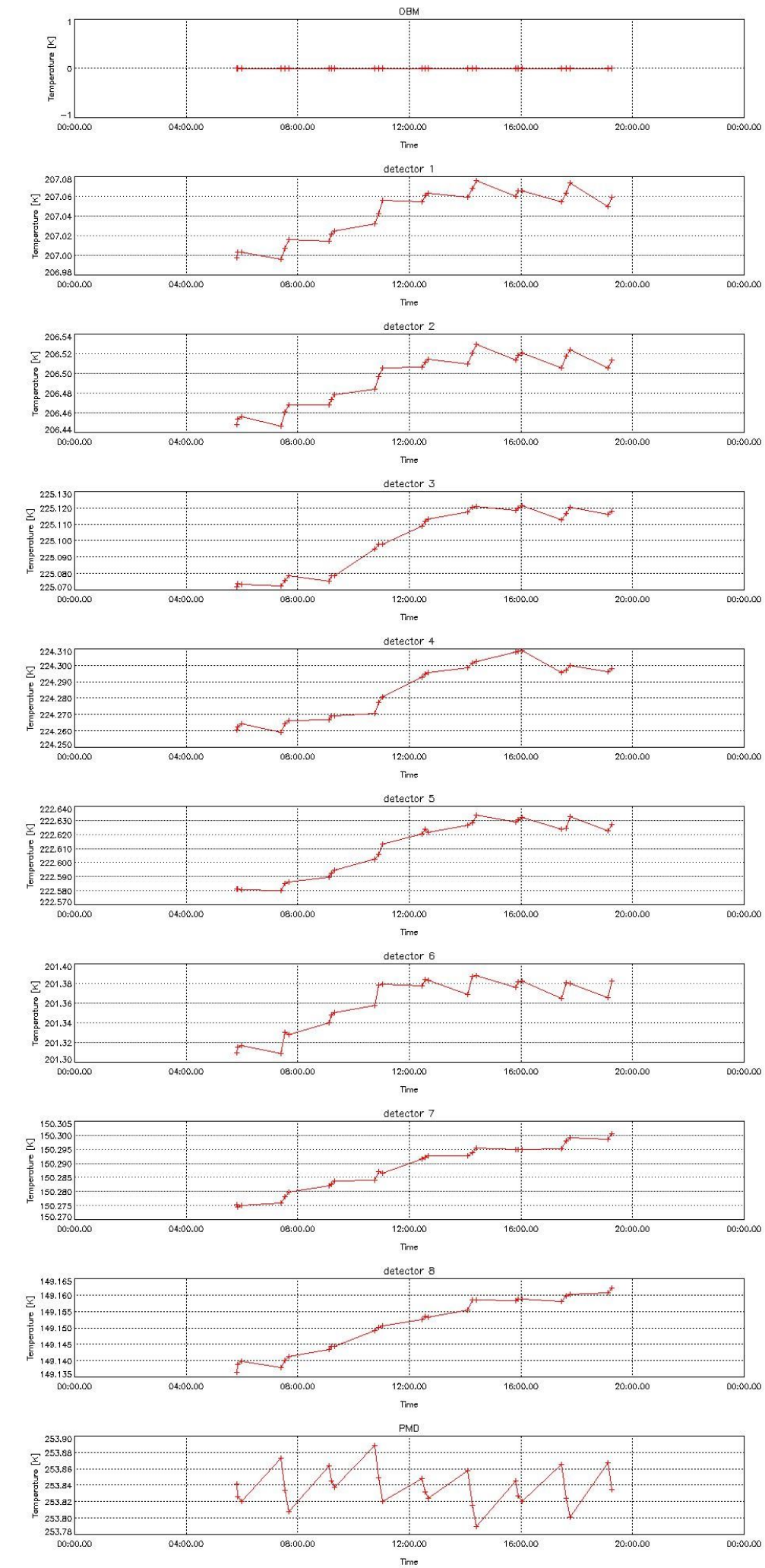
This section lists properties of the new leakage current data within the processing scope.

The following table shows the new leakage measurement data characteristics.

#	dsr_time	attach	orb_phase
0	10APR2008 05:48:38	1	0.192500
1	10APR2008 05:50:42	1	0.252000
2	10APR2008 05:58:31	1	0.286667
3	10APR2008 07:23:34	1	0.139400
4	10APR2008 07:32:54	1	0.232200
5	10APR2008 07:41:30	1	0.317800
6	10APR2008 09:06:21	1	0.175222
7	10APR2008 09:11:53	1	0.252000
8	10APR2008 09:19:42	1	0.286333
9	10APR2008 10:44:44	1	0.139400

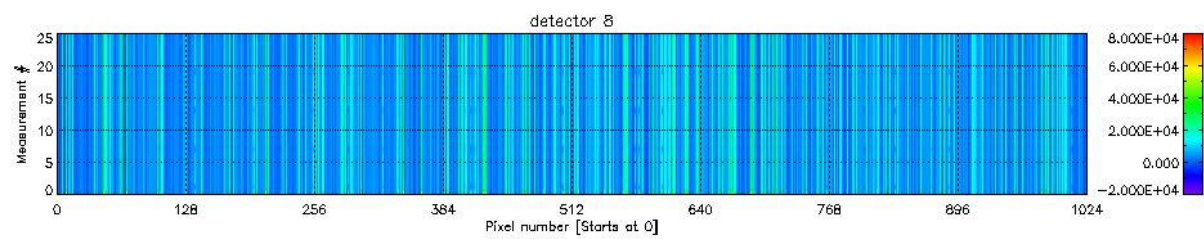
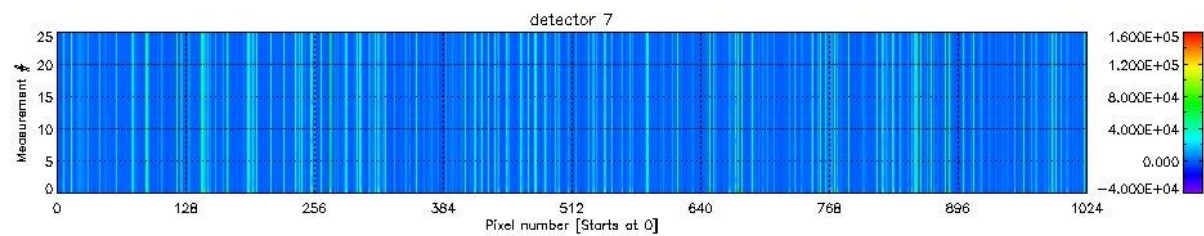
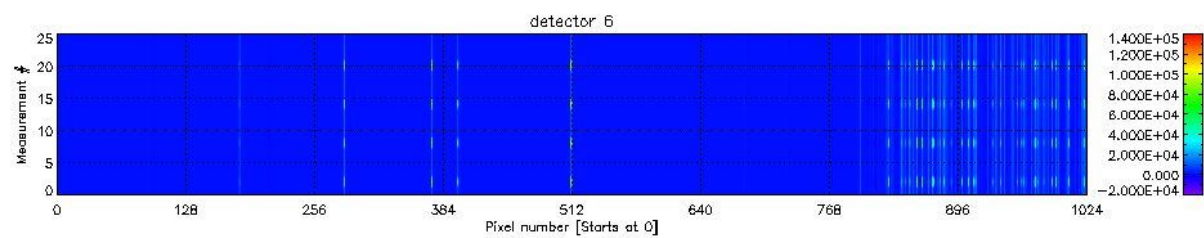
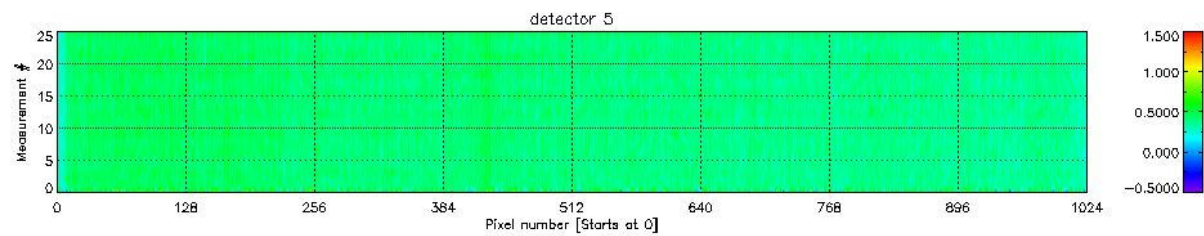
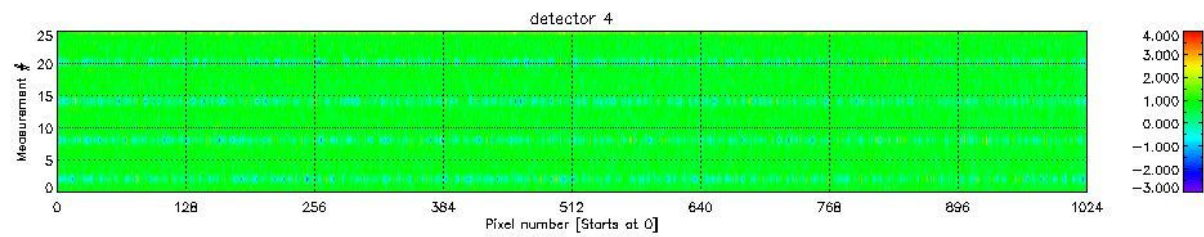
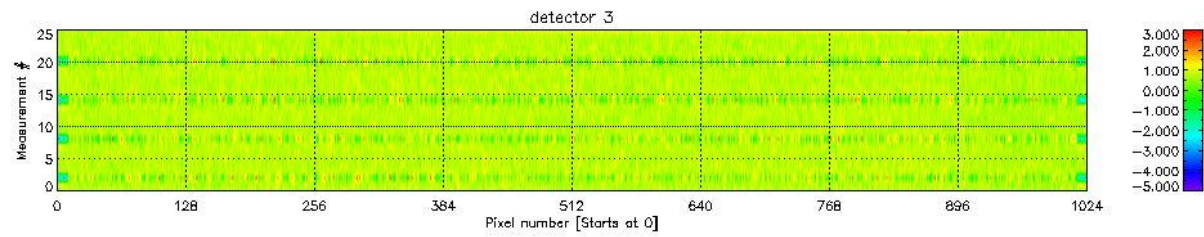
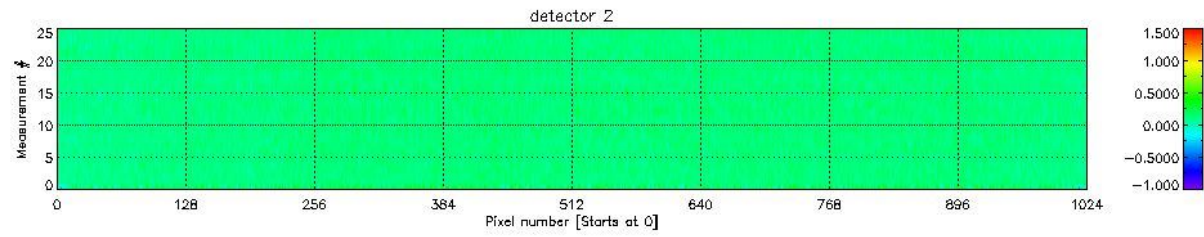
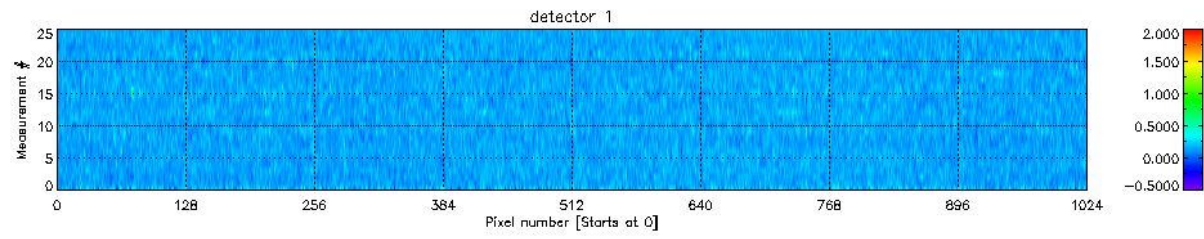
10	10APR2008 10:54:05	1	0.232200
11	10APR2008 11:02:41	1	0.317800
12	10APR2008 12:27:32	1	0.175222
13	10APR2008 12:33:04	1	0.252000
14	10APR2008 12:40:53	1	0.286333
15	10APR2008 14:05:55	1	0.139400
16	10APR2008 14:15:15	1	0.232200
17	10APR2008 14:23:51	1	0.317800
18	10APR2008 15:48:43	1	0.175111
19	10APR2008 15:54:15	1	0.252000
20	10APR2008 16:02:04	1	0.286000
21	10APR2008 17:27:06	1	0.139400
22	10APR2008 17:36:26	1	0.232000
23	10APR2008 17:45:02	1	0.317800
24	10APR2008 19:07:41	1	0.156500
25	10APR2008 19:14:58	1	0.232700

Plots of SCINL1P_NEWLEA_obm_det_prmd temperatures vs time on 10APR2008.



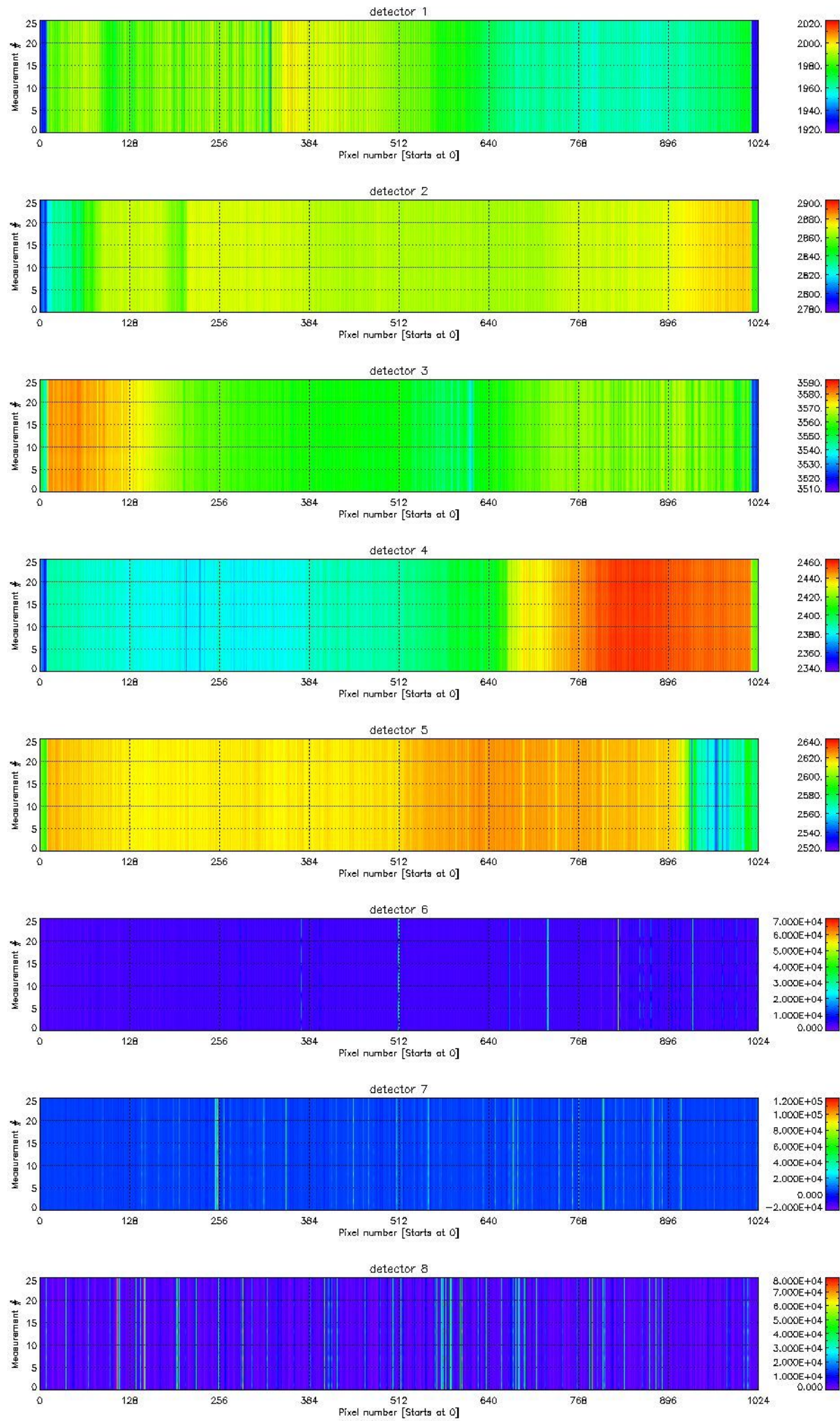
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_18.PNG

Plots of SCINLP_NEWLEA_leak_cur for various detectors on 10APR2008.
Colours indicate the value in BU/s.



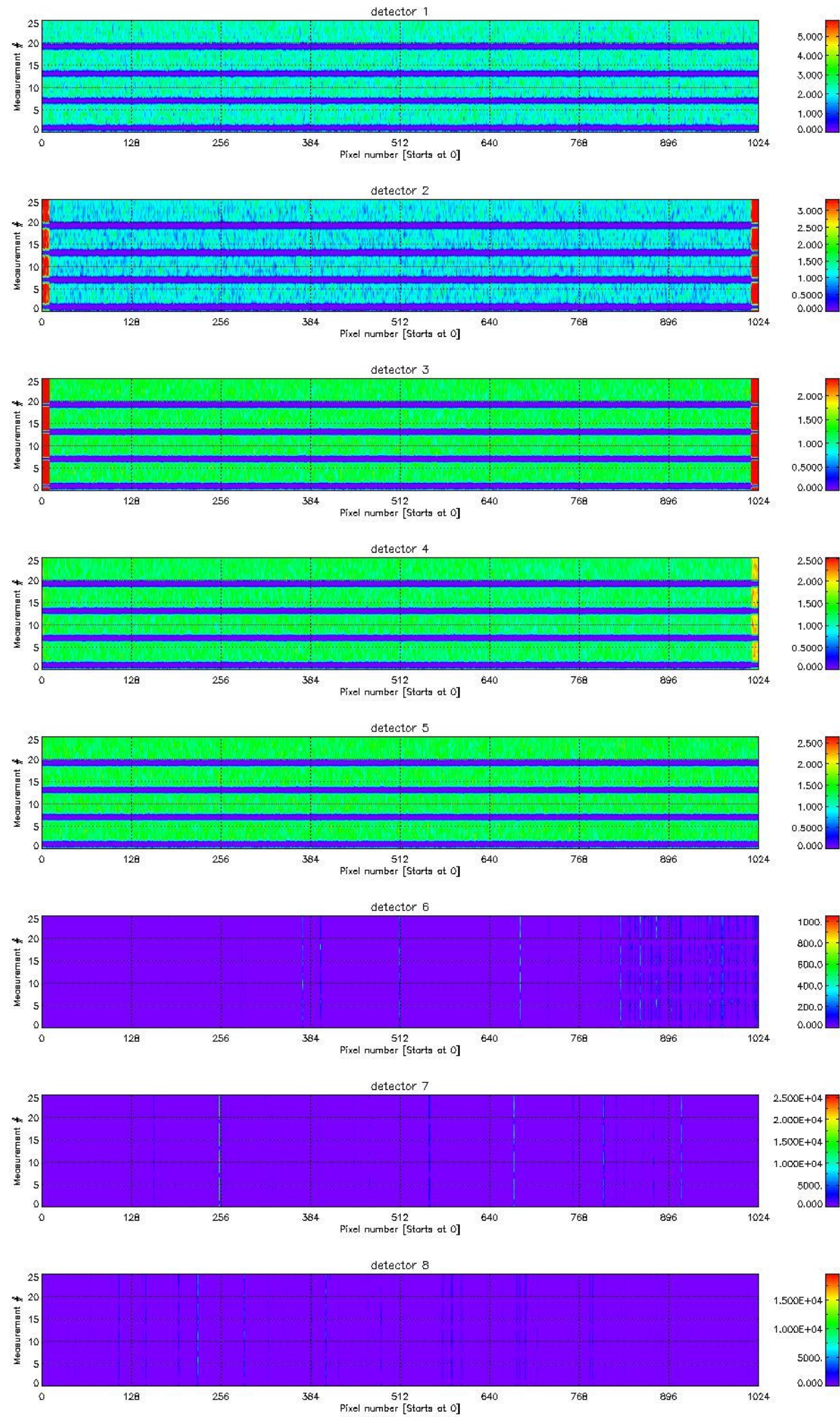
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_19.PNG

Plots of SCINLP_NEWLEA_fpn for various detectors on 10APR2008.
Colours indicate the value in BU.



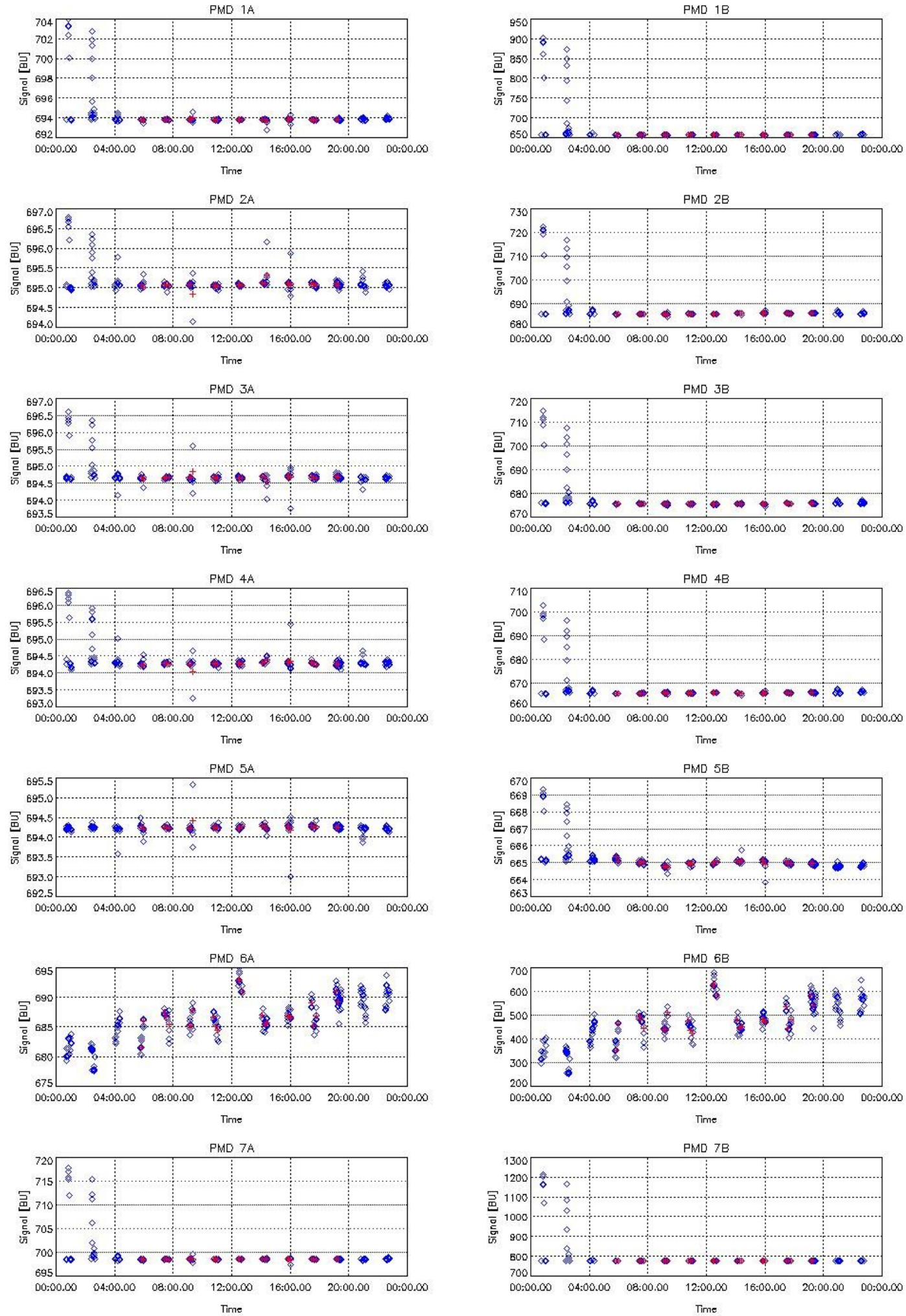
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_20.PNG

Plots of SCINL1P_NEWLEA_mean_noise for various detectors on 10APR2008.
Colours indicate the value in BU.



sciamachy_daily_report_level1_SCIA_6_03_N_20080410_21.PNG

Plots of SCINL1P_NEWLEA_pmd_off vs time on 10APR2008 (red).
Dark average pmd data is given in blue for comparison.



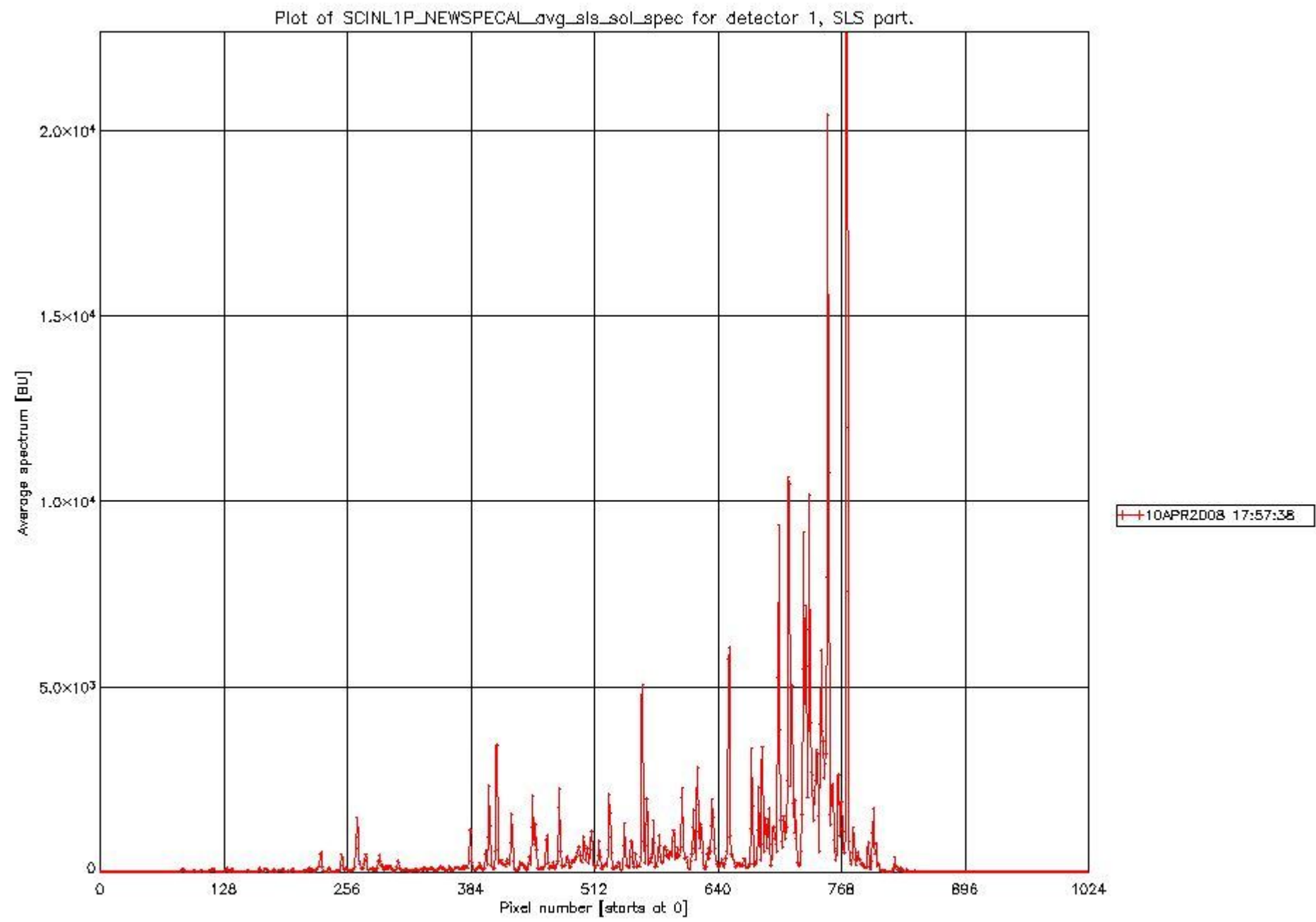
1.2.3 Spectral calibration parameters

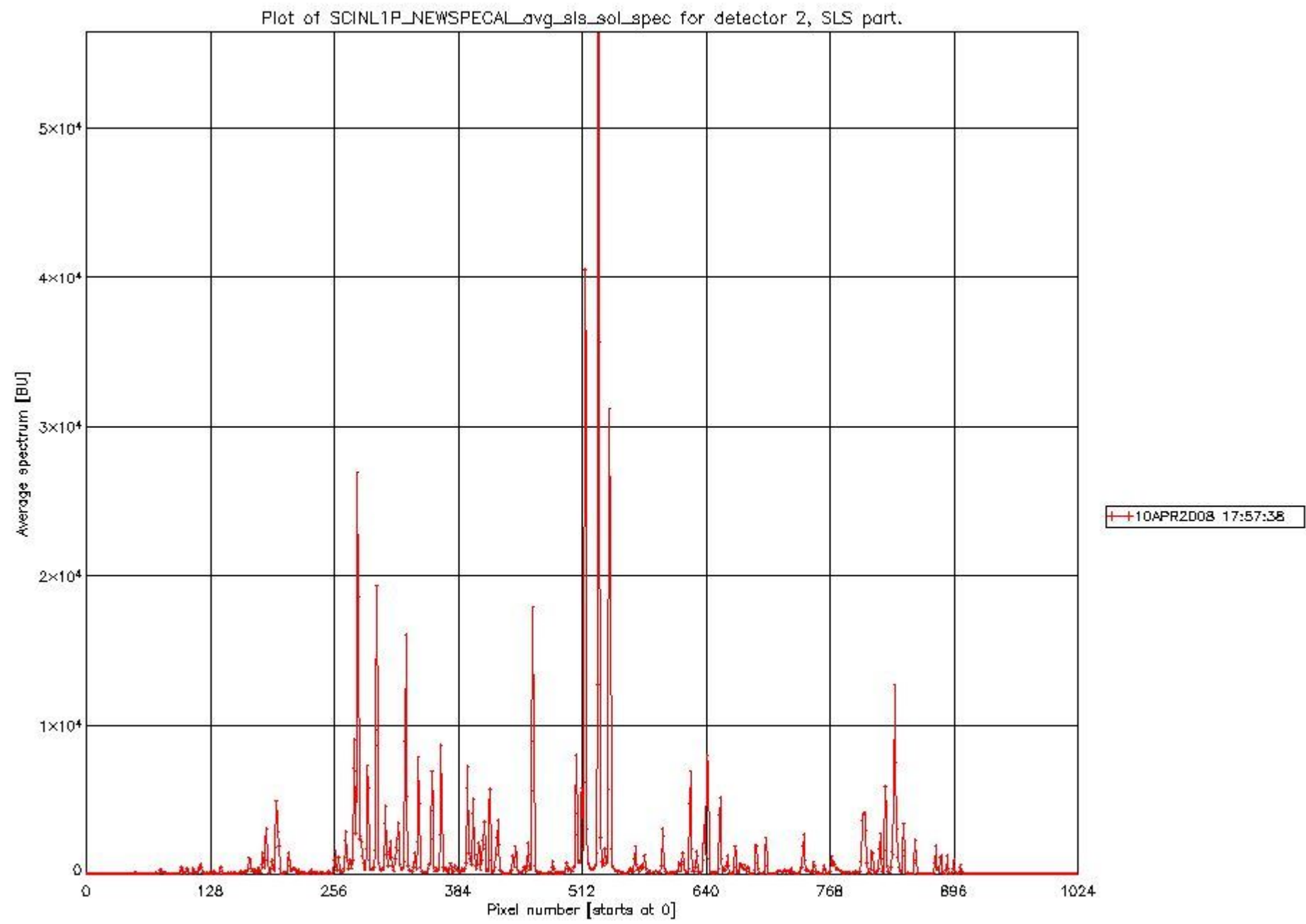
This section lists properties of the new spectral calibrations found within the processing scope.

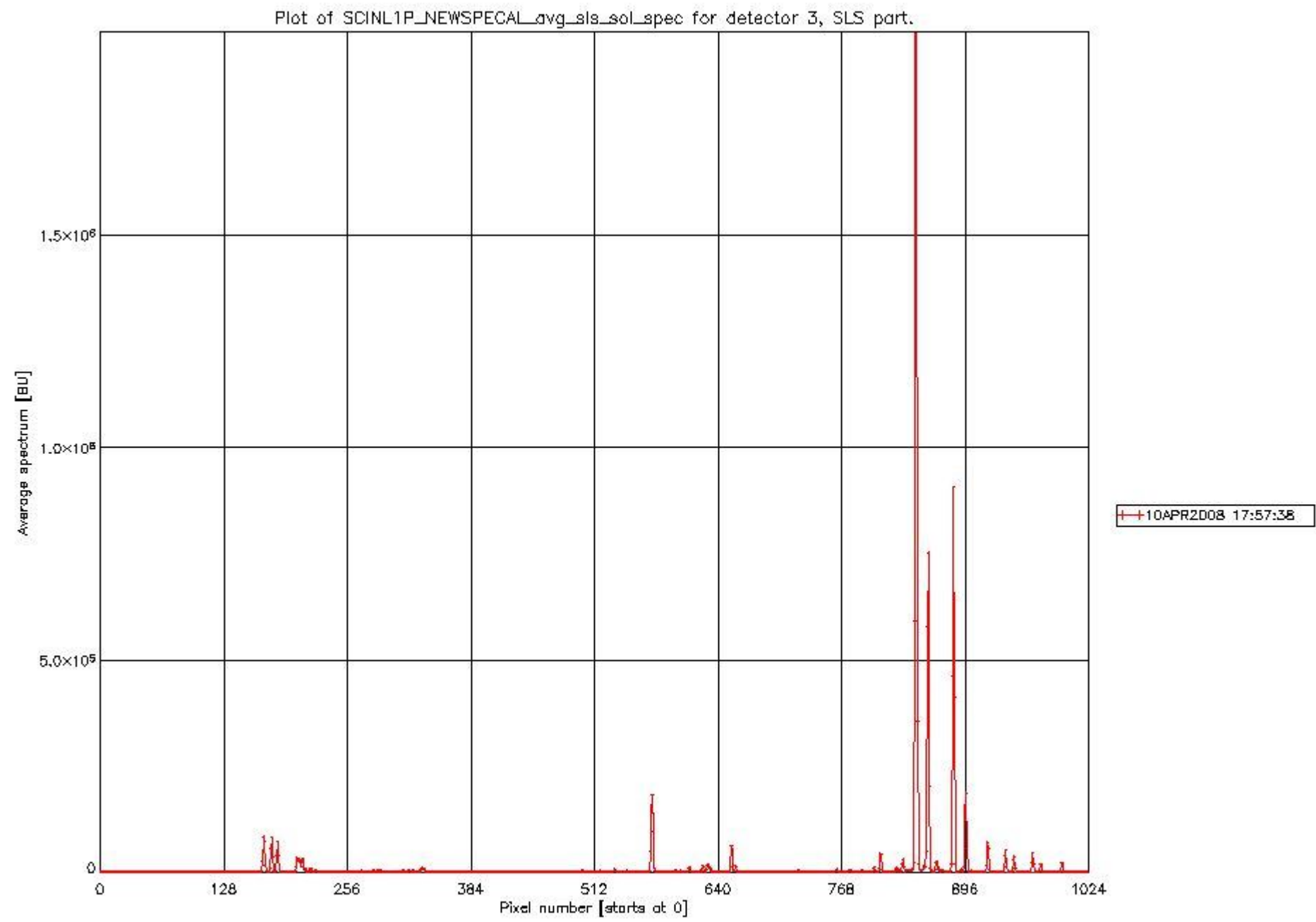
The following table lists general properties of the spectral calibration.

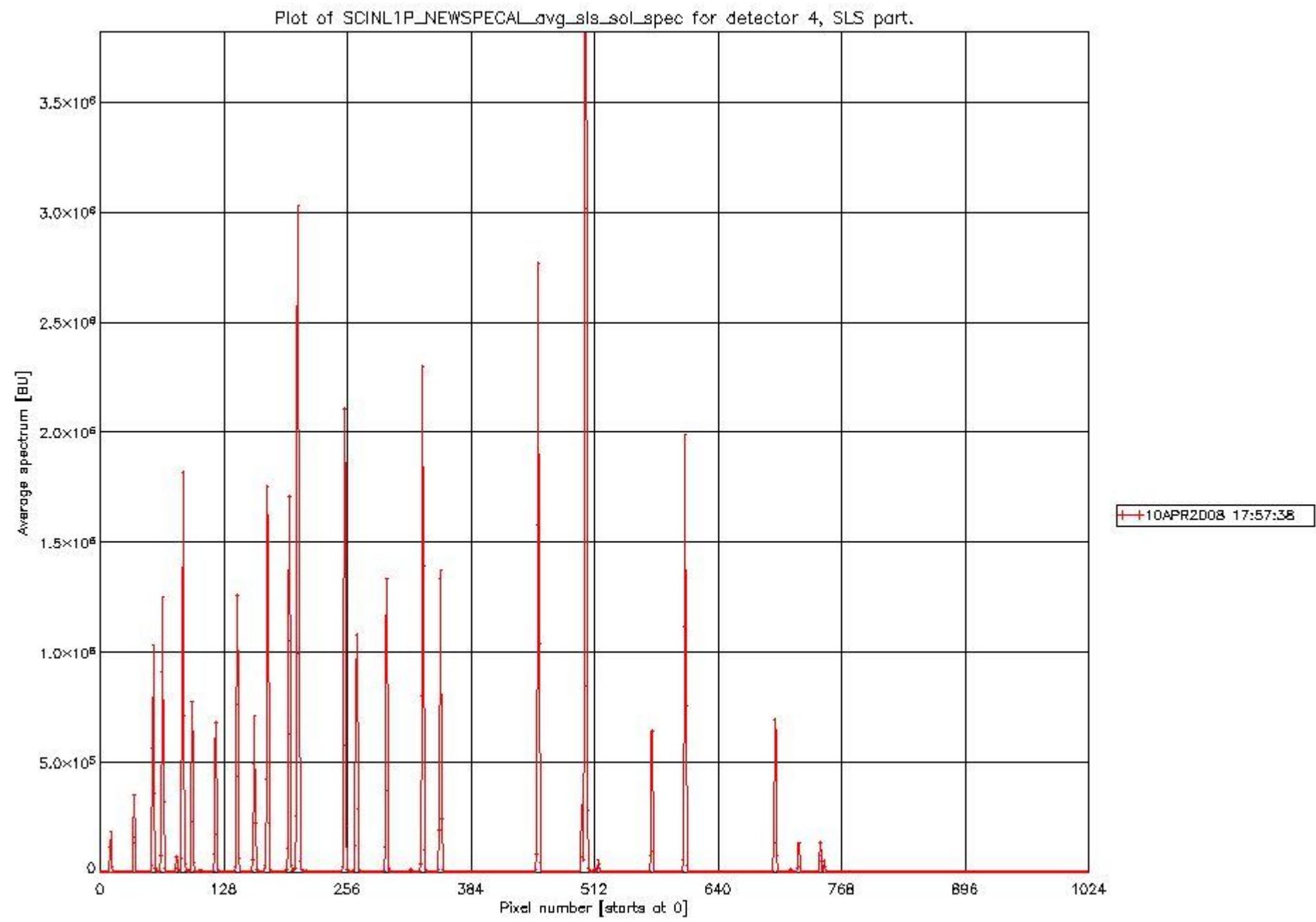
#	dsr_time	attach	orb_phase	source	#lines	cal_error [nm]	coeff[0]	coeff[1]	coeff[2]	coeff[3]	coeff[4]
0	10APR2008 17:57:38	0	0.431000	SUN	3	0.00114999	0.046624534	-5.4871136e-05	2.0301316e-08	0.0000000	0.0000000
				SUN	2	0.00403939	0.026020369	-0.00011912030	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	2	0.00124389	-0.13820983	-4.8714461e-05	0.0000000	0.0000000	0.0000000
				SUN	2	0.00317742	-0.18838178	-0.00010096222	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	10APR2008 19:14:40	0	0.195000	SLS	8	0.000823547	0.014277277	2.2822023e-05	9.1267324e-08	-3.0446509e-10	1.9628579e-13
				SLS	8	0.000676799	0.022844119	0.00019186850	-1.1835253e-06	1.7098939e-09	-7.4152847e-13
				SLS	9	0.000872358	-0.041325156	-0.00041973407	3.1128131e-06	-5.5078888e-09	2.8501413e-12
				SLS	10	0.000704311	-0.040439192	-0.00070544338	3.4125142e-06	-4.9142228e-09	2.2237156e-12
				SLS	8	0.000677366	-0.020554444	-0.00020901587	2.0909774e-06	-4.0543395e-09	2.1412893e-12
				SLS	3	0.00361939	-0.089474164	0.00019742954	-1.2303886e-07	0.0000000	0.0000000
				SLS	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SLS	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
2	10APR2008 19:38:13	0	0.431000	SUN	3	0.00119617	0.048957717	-5.5252083e-05	2.1531484e-08	0.0000000	0.0000000
				SUN	2	0.00380418	0.026219185	-0.00011217134	0.0000000	0.0000000	0.0000000
				SUN	2	0.00323869	-0.056944888	-0.00012594048	0.0000000	0.0000000	0.0000000
				SUN	2	0.00199743	-0.26389295	9.4230367e-05	0.0000000	0.0000000	0.0000000
				SUN	2	0.00338709	-0.20103432	-0.00010762950	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

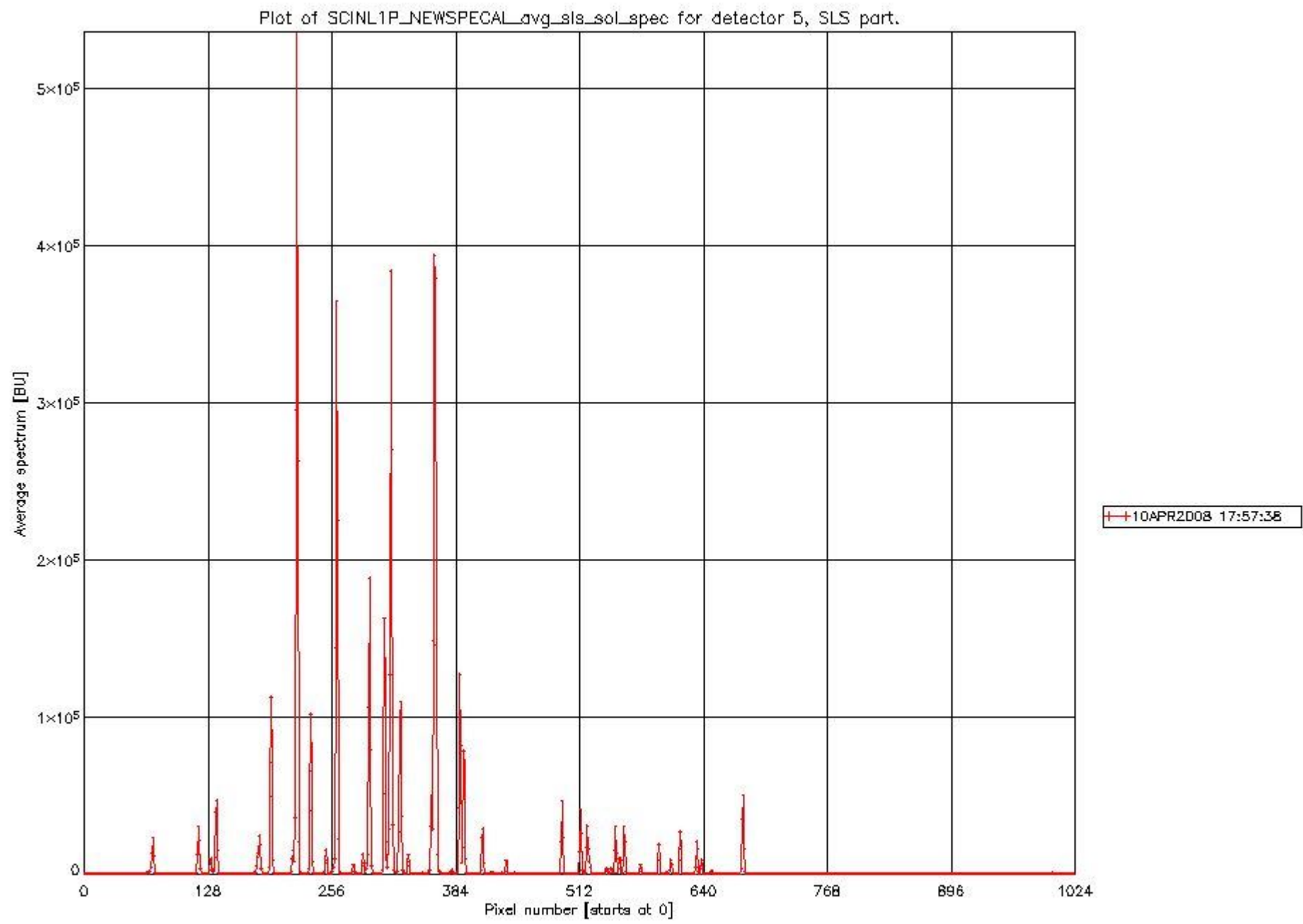
The following figures give an overview of the recorded signal for each detector.

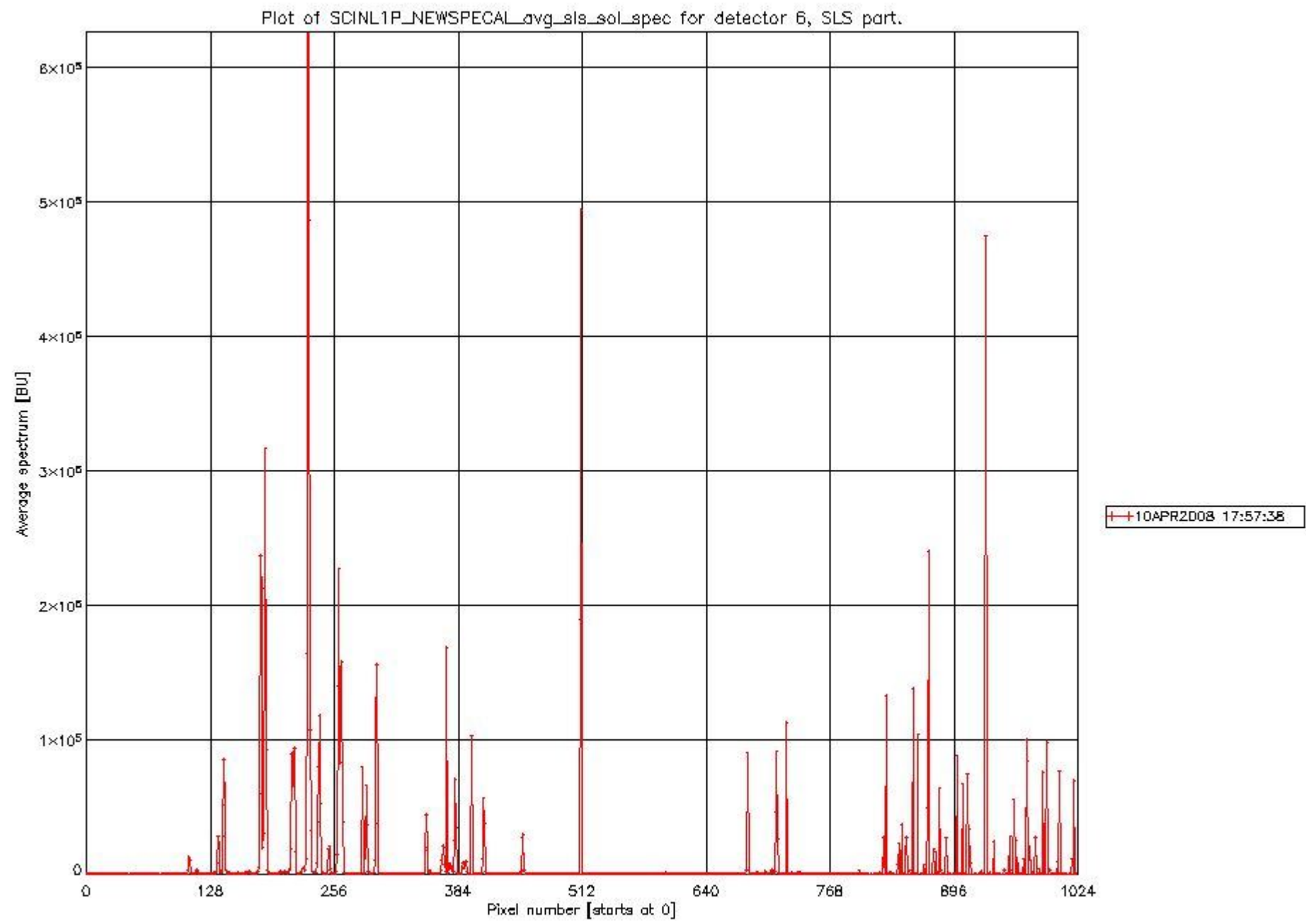




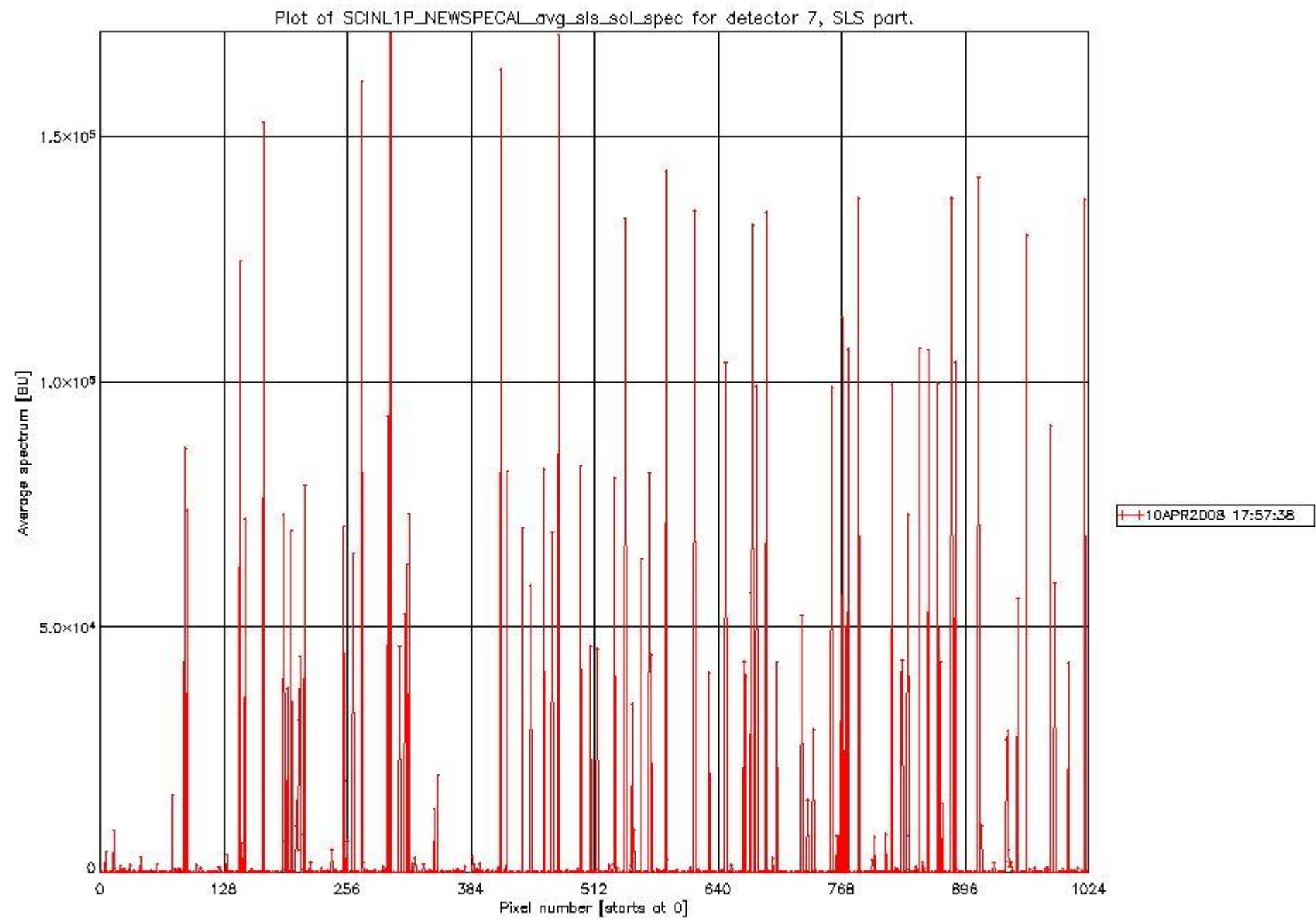


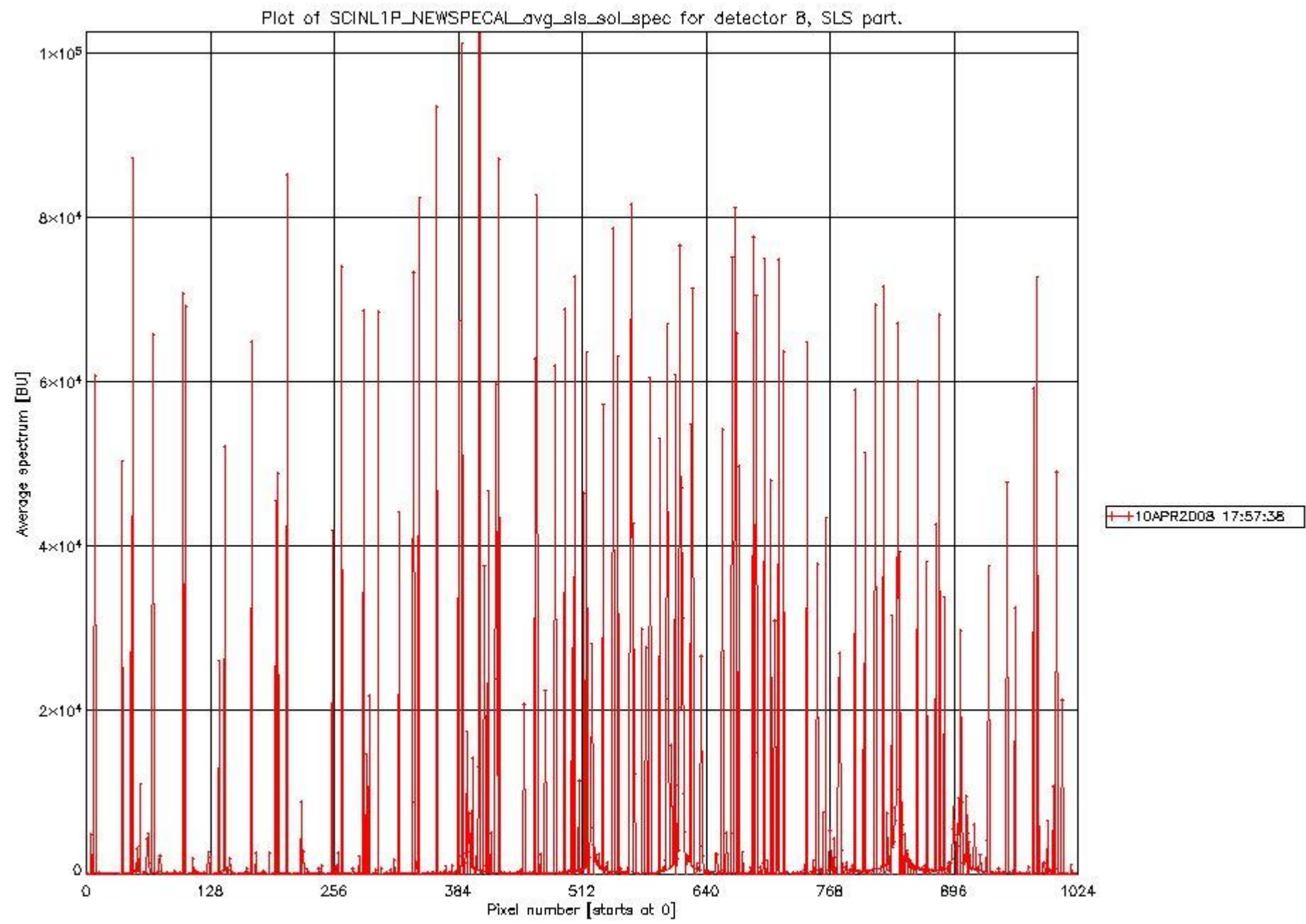


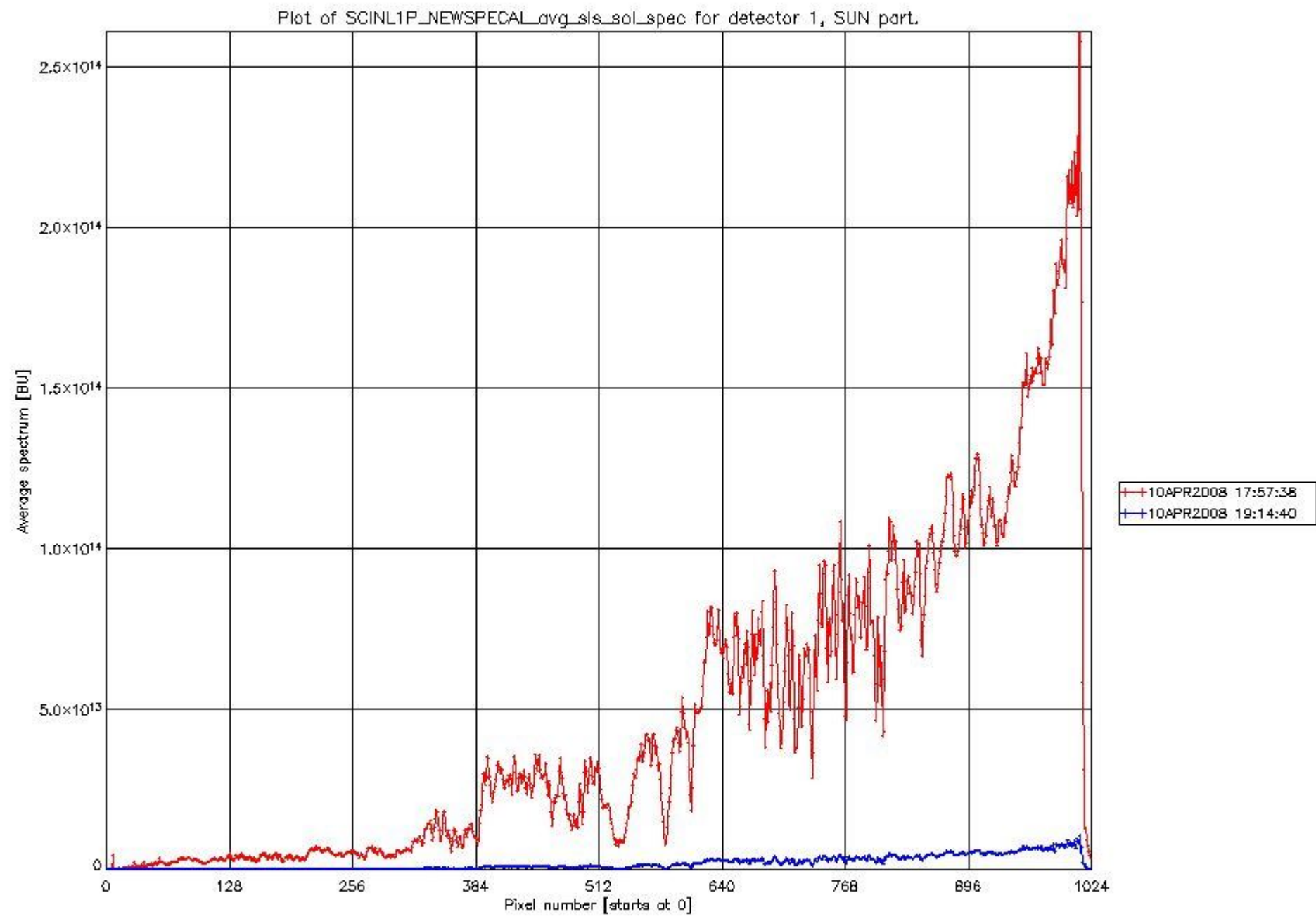




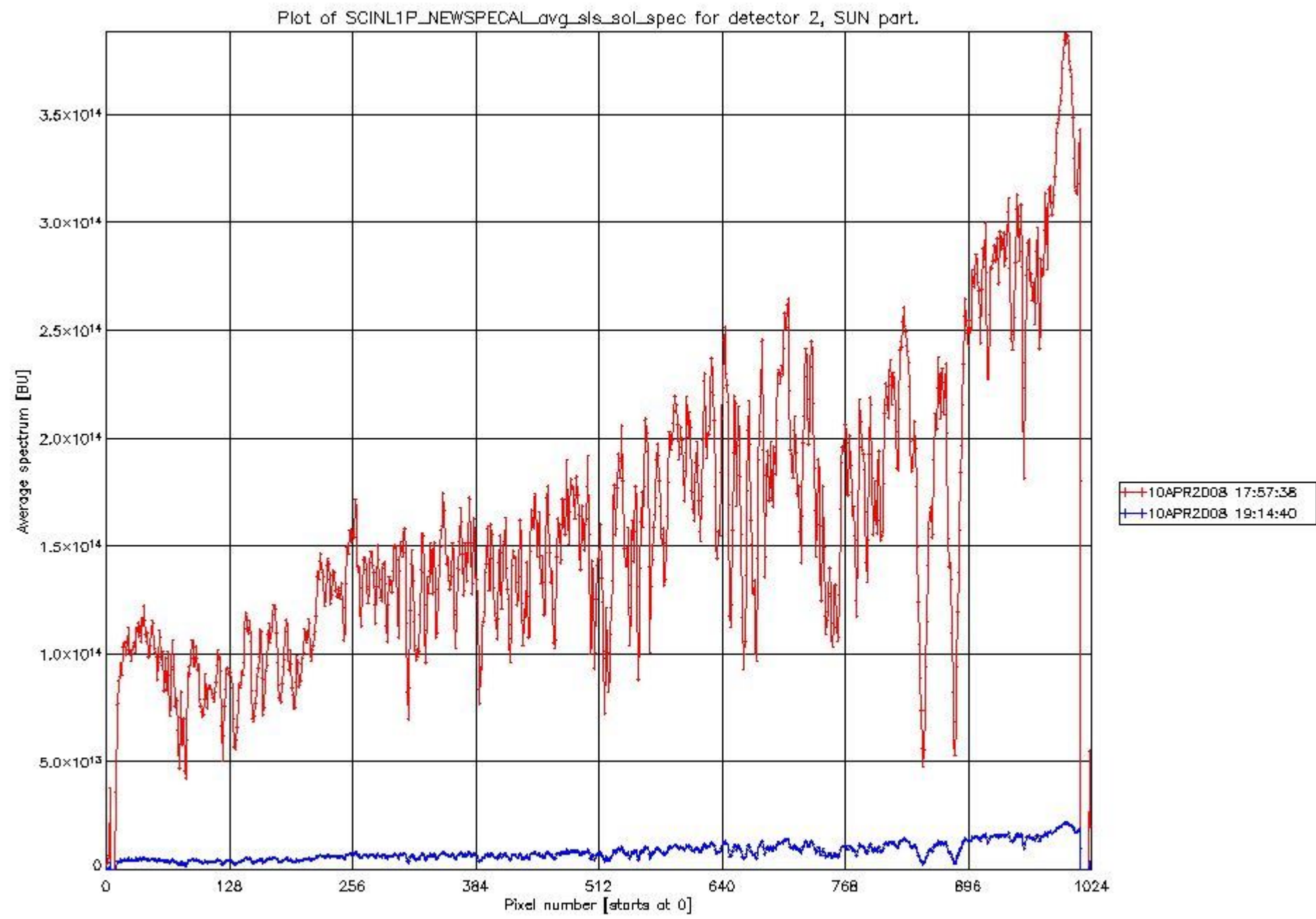
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_28.PNG

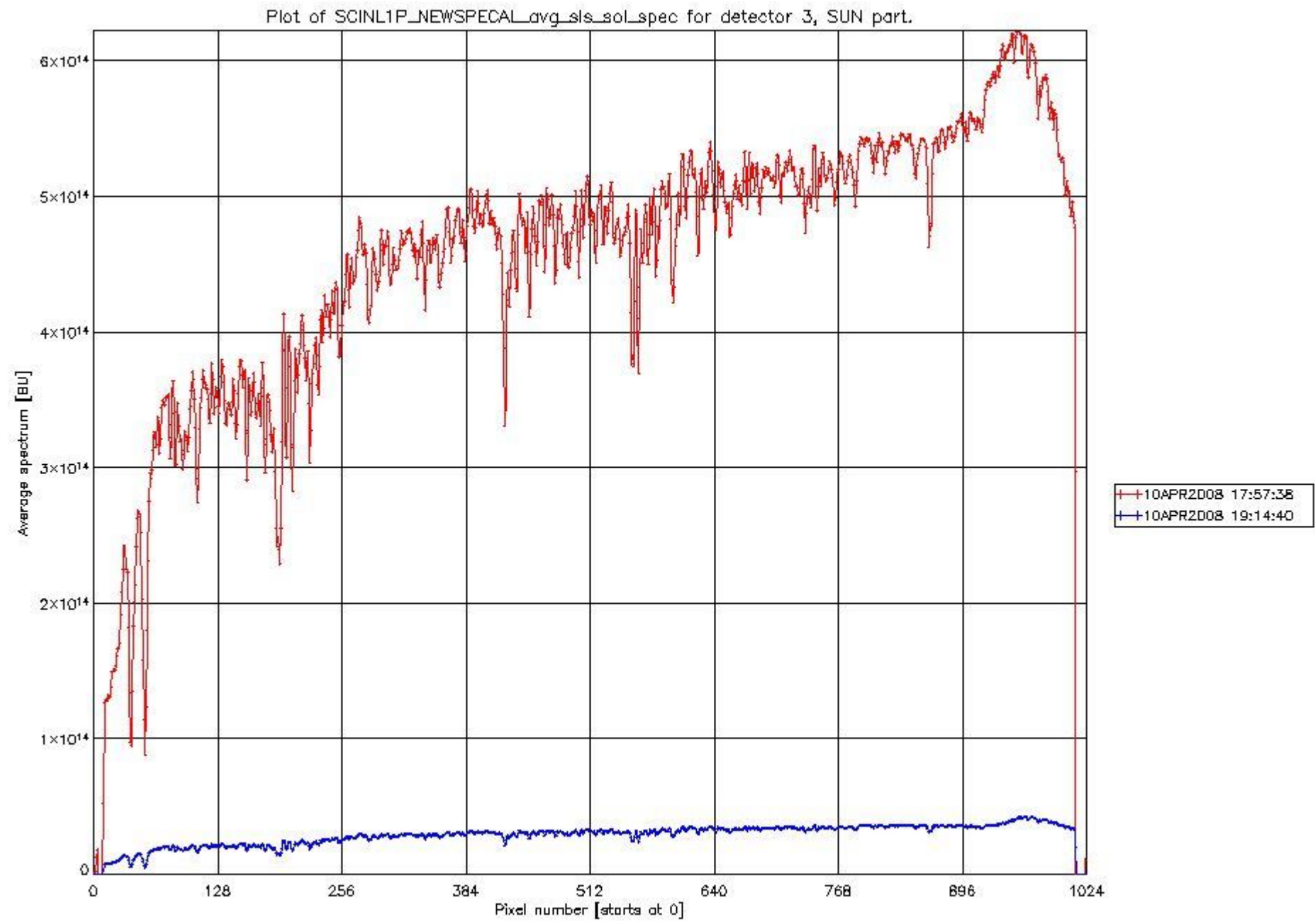




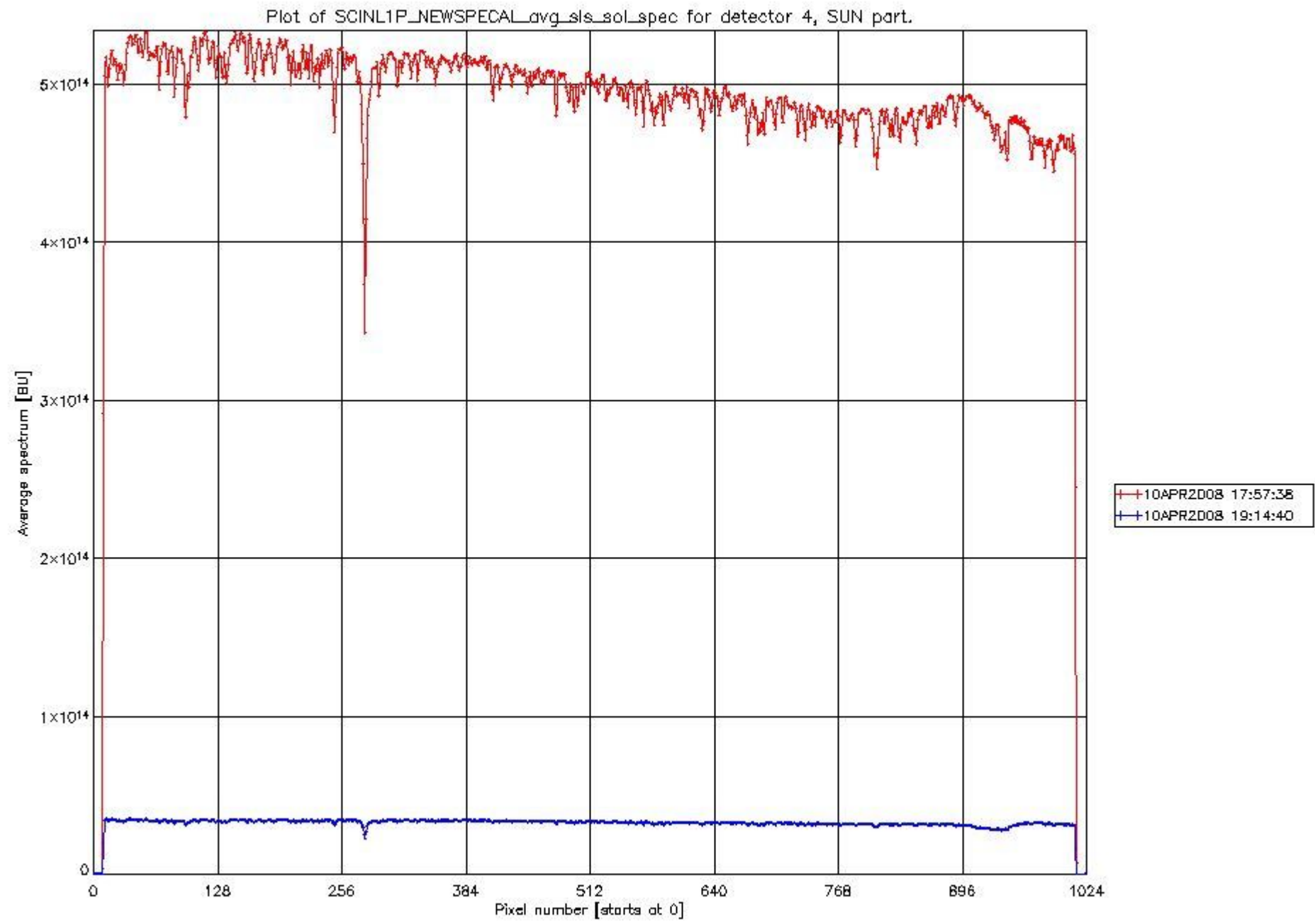


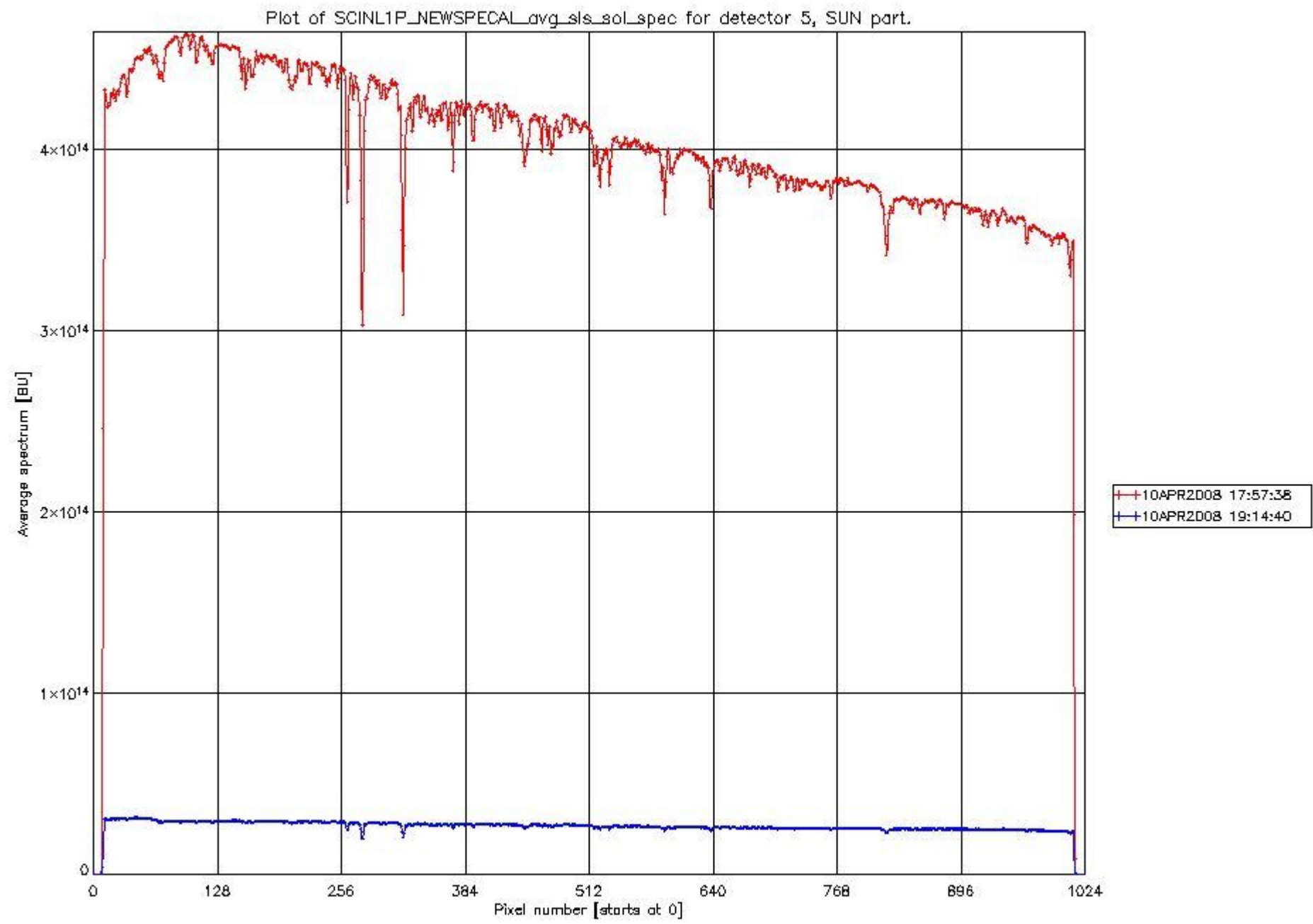
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_31.PNG

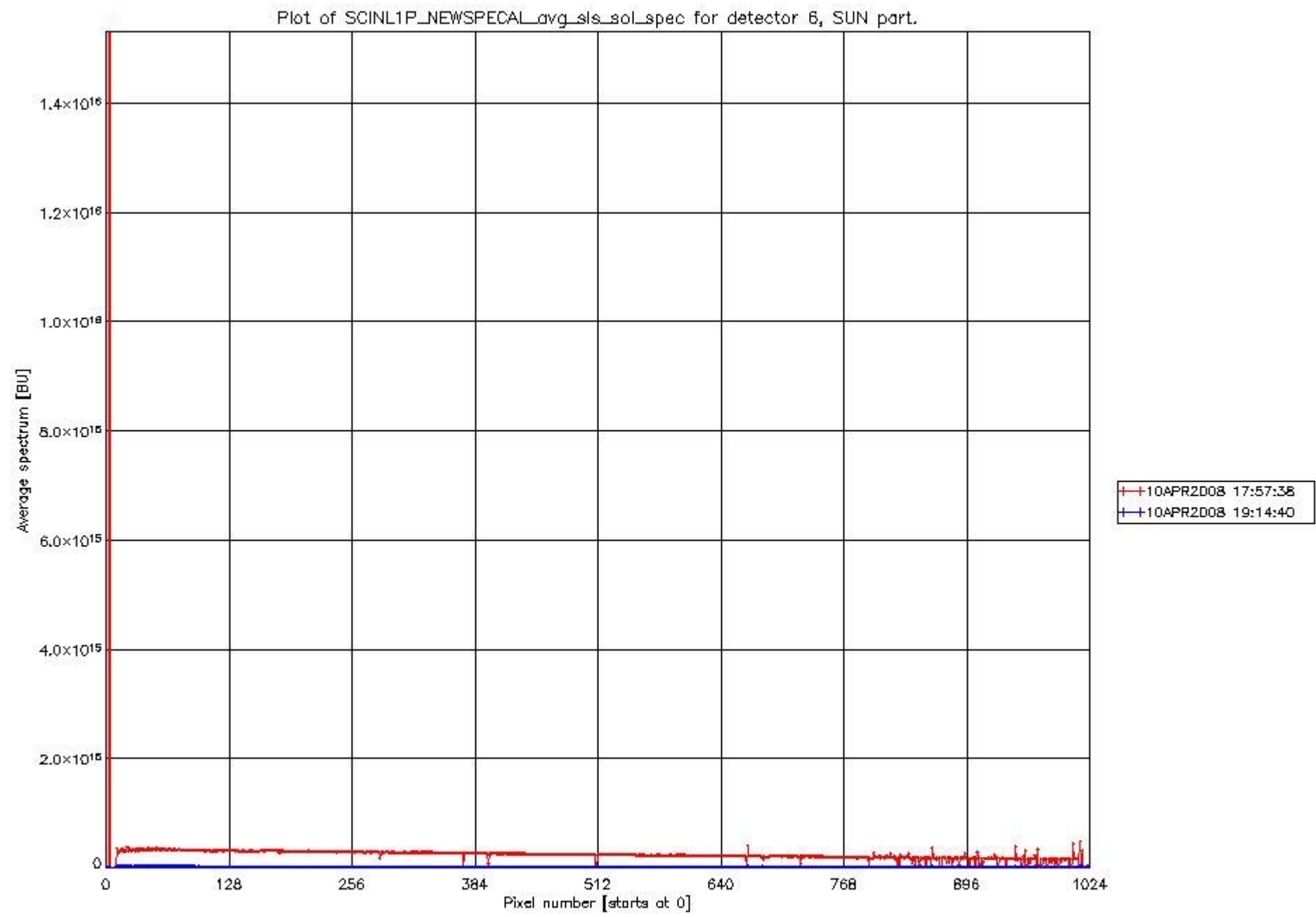




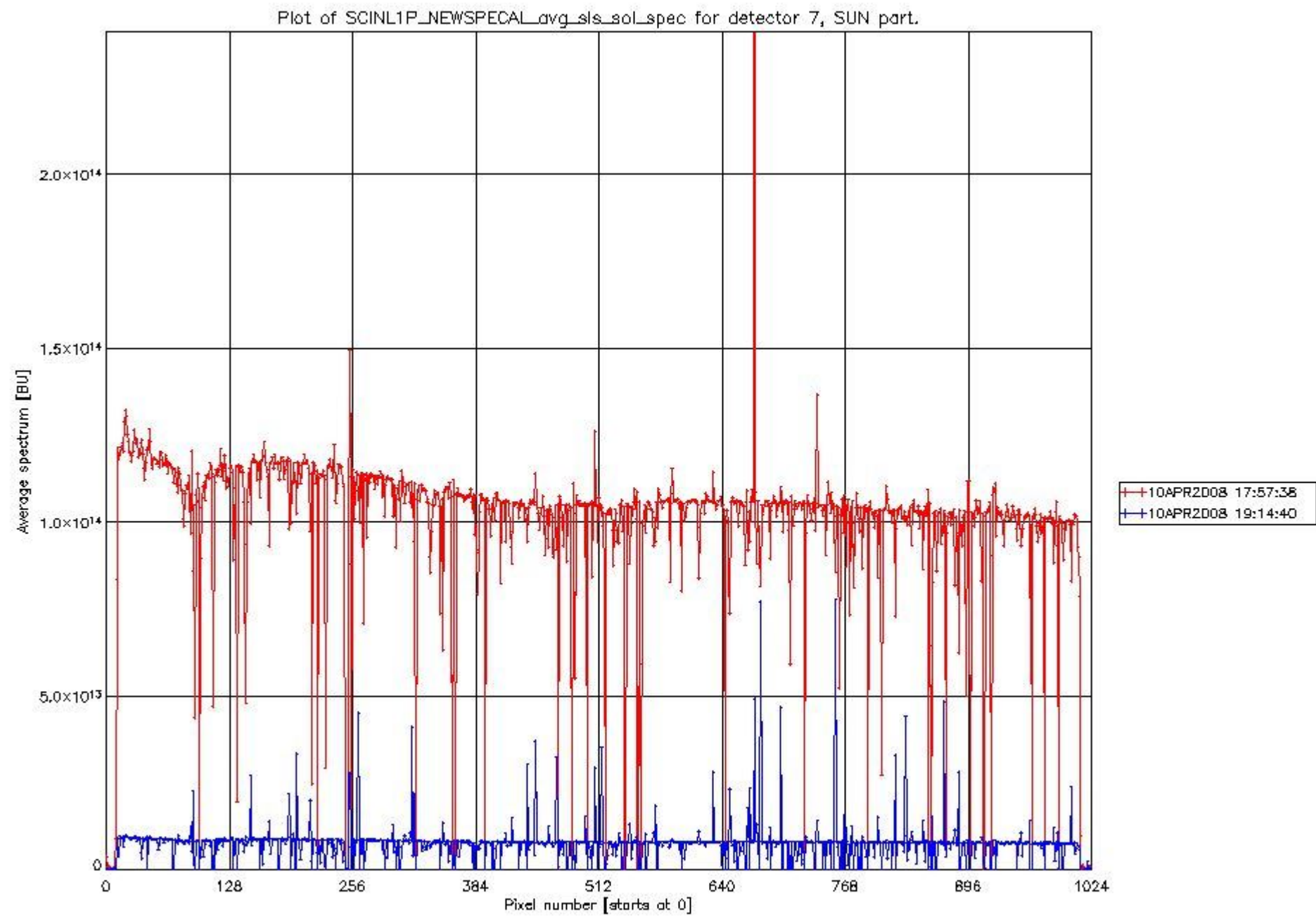
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_33.PNG



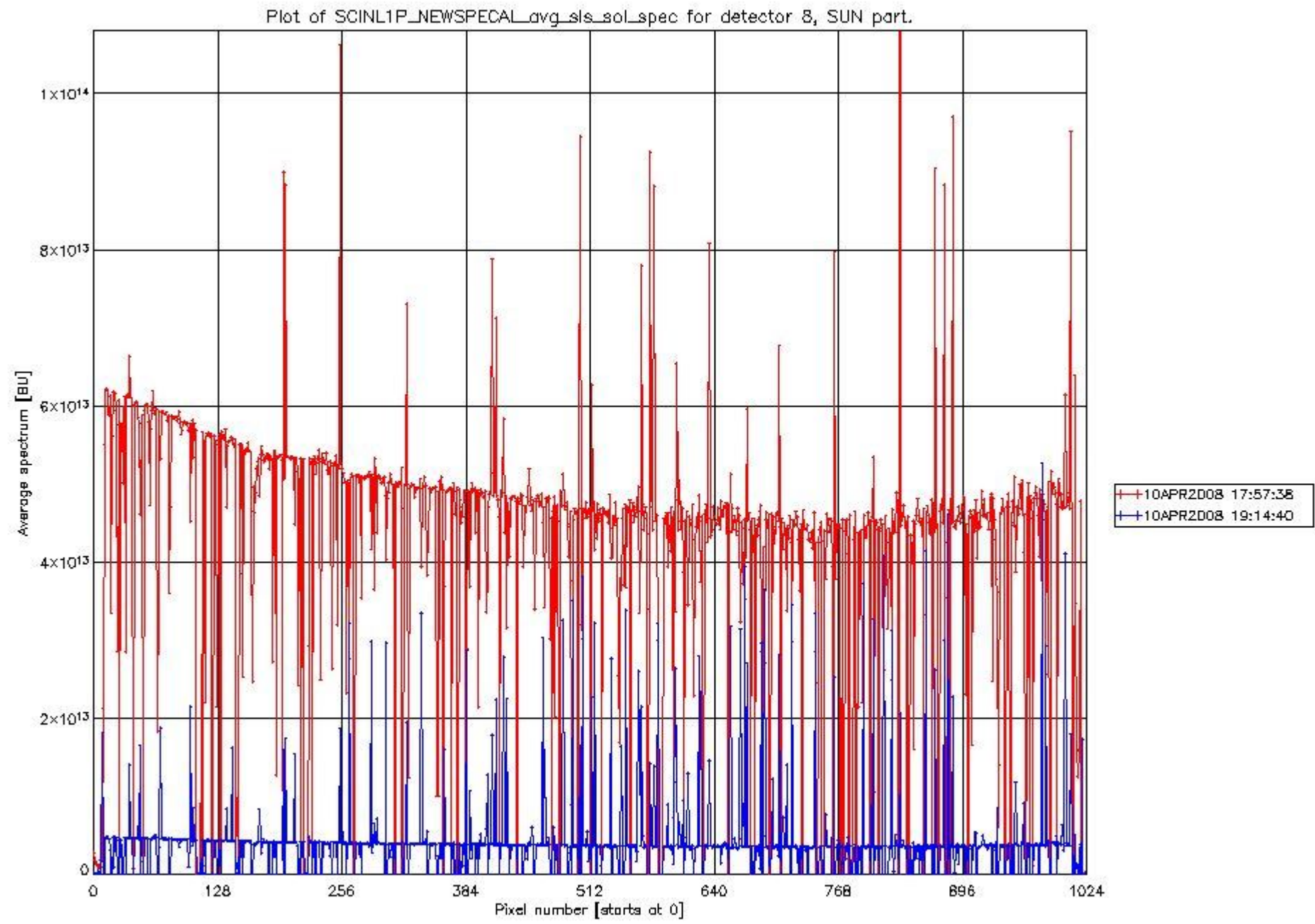




sciamachy_daily_report_level1_SCIA_6_03_N_20080410_36.PNG

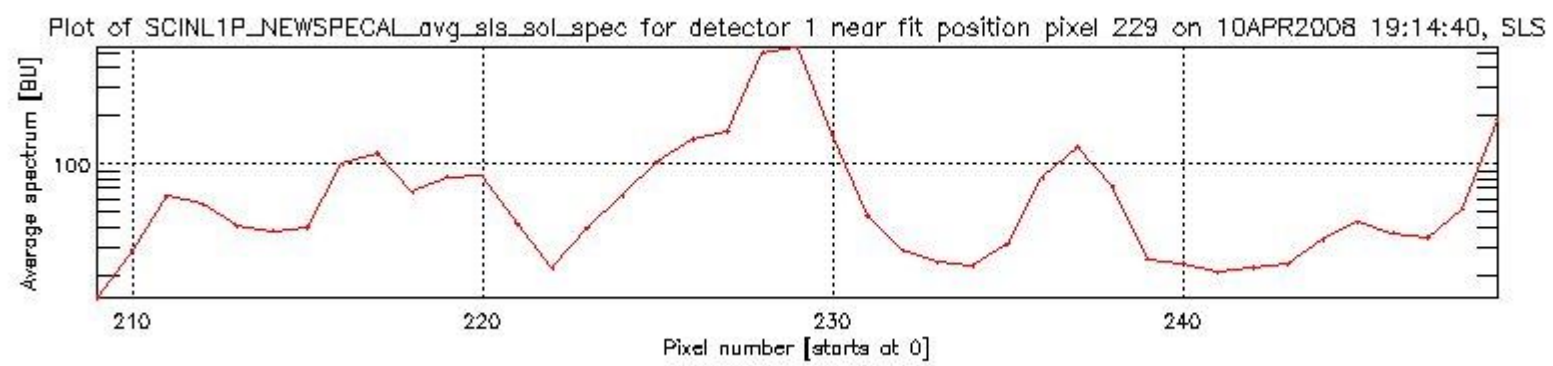


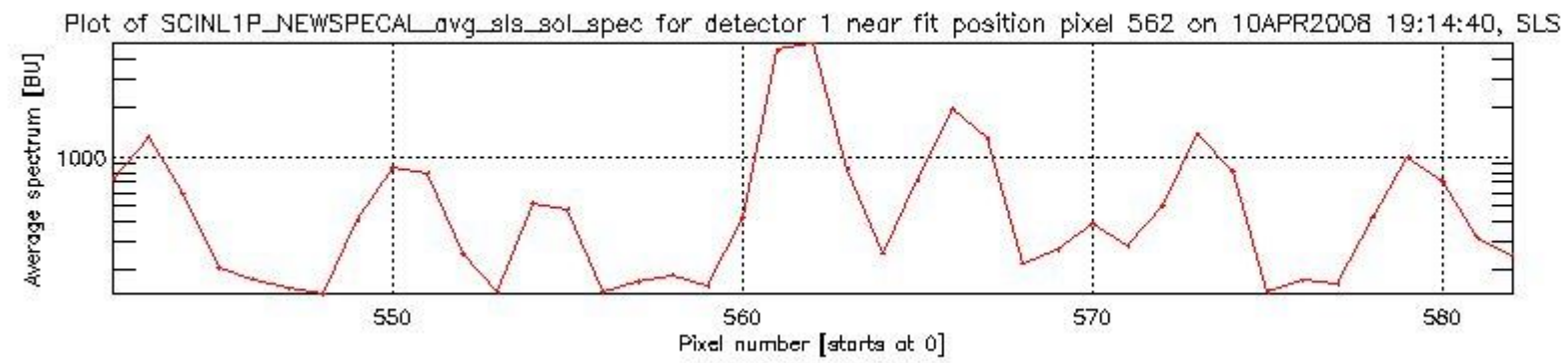
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_37.PNG



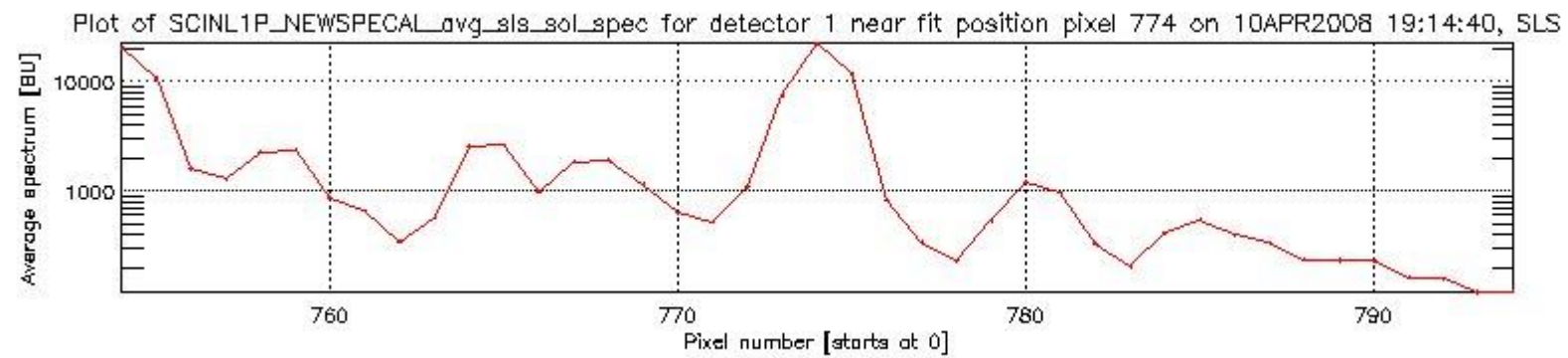
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_38.PNG

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

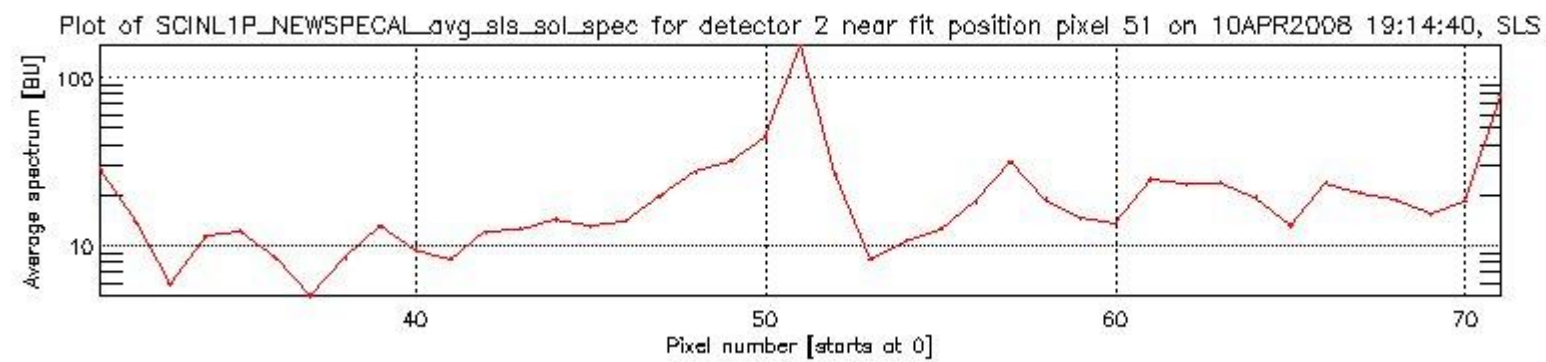




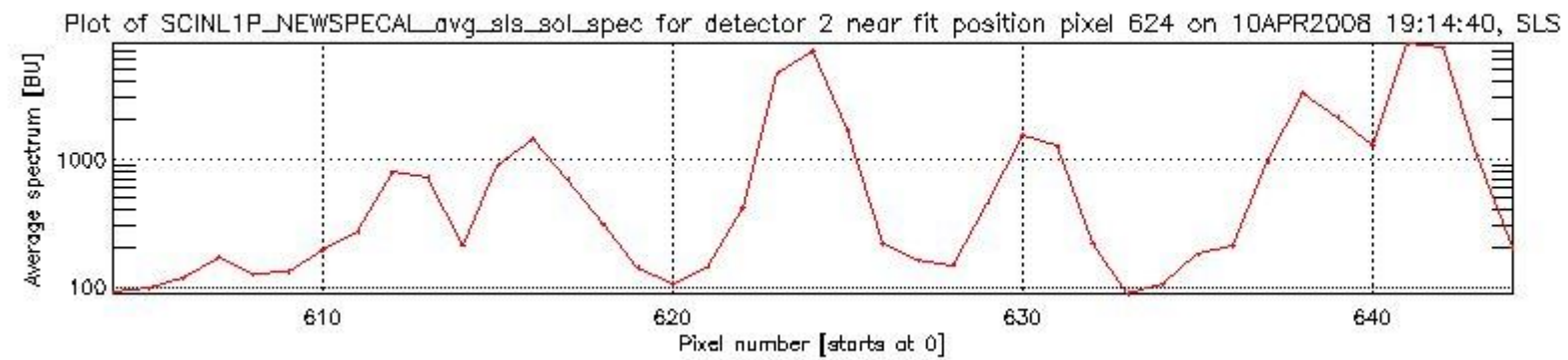
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_40.PNG



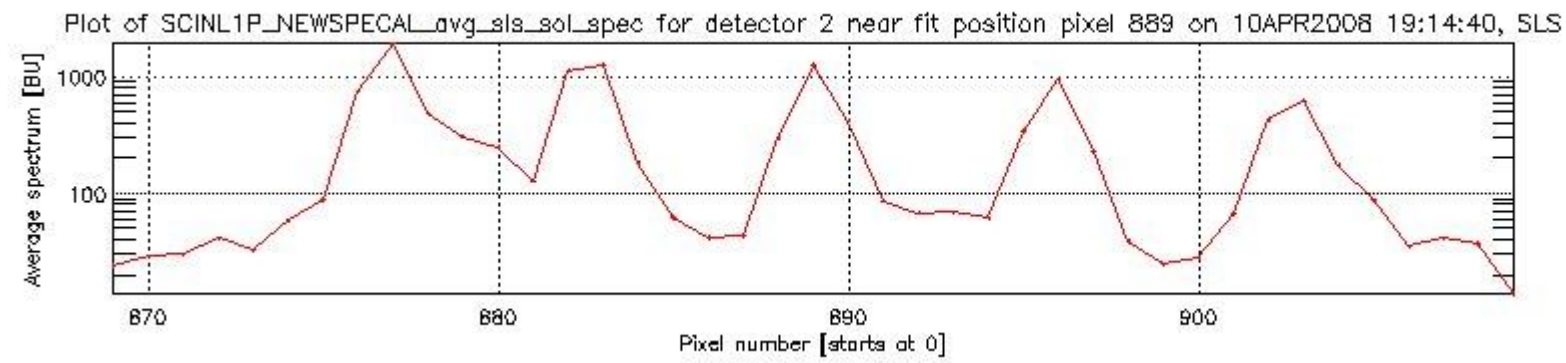
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_41.PNG



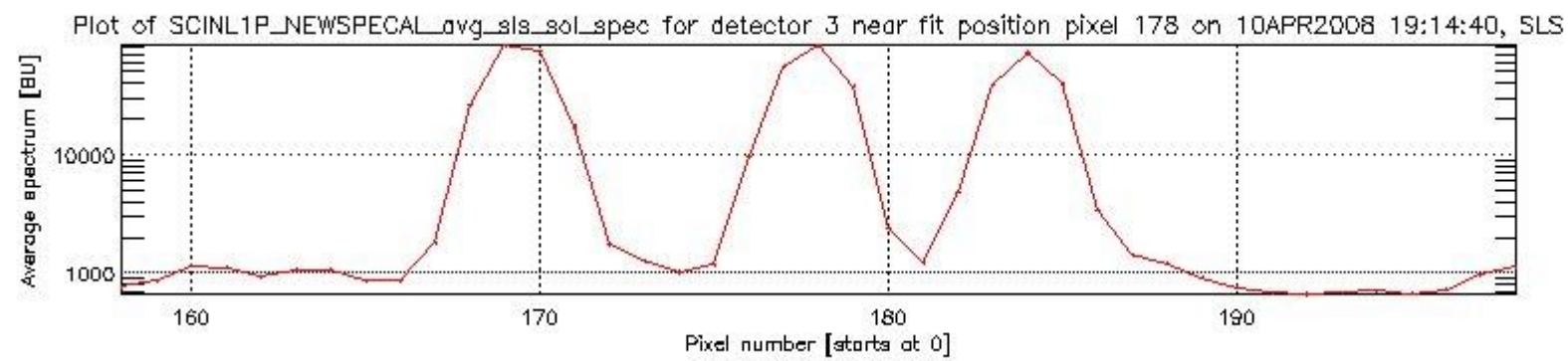
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_42.PNG



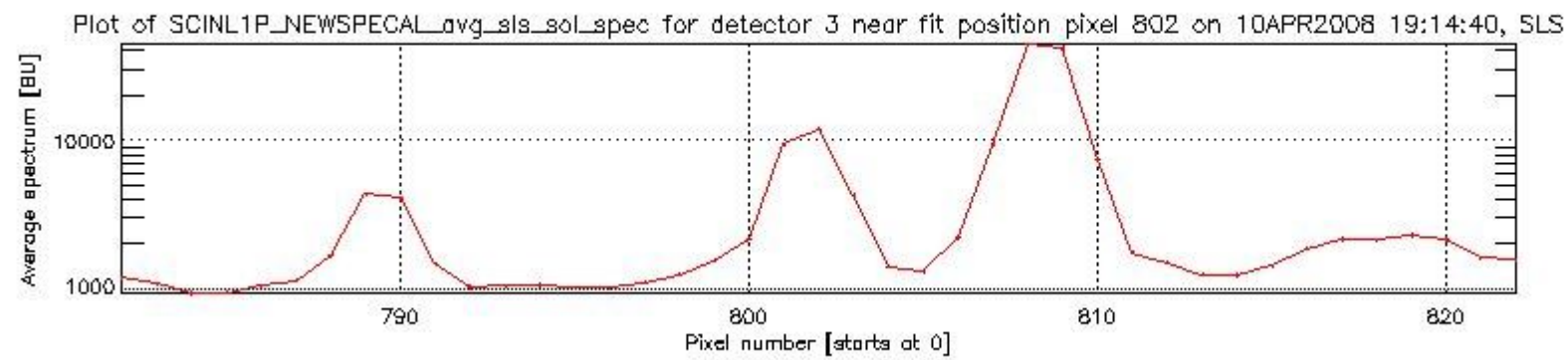
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_43.PNG



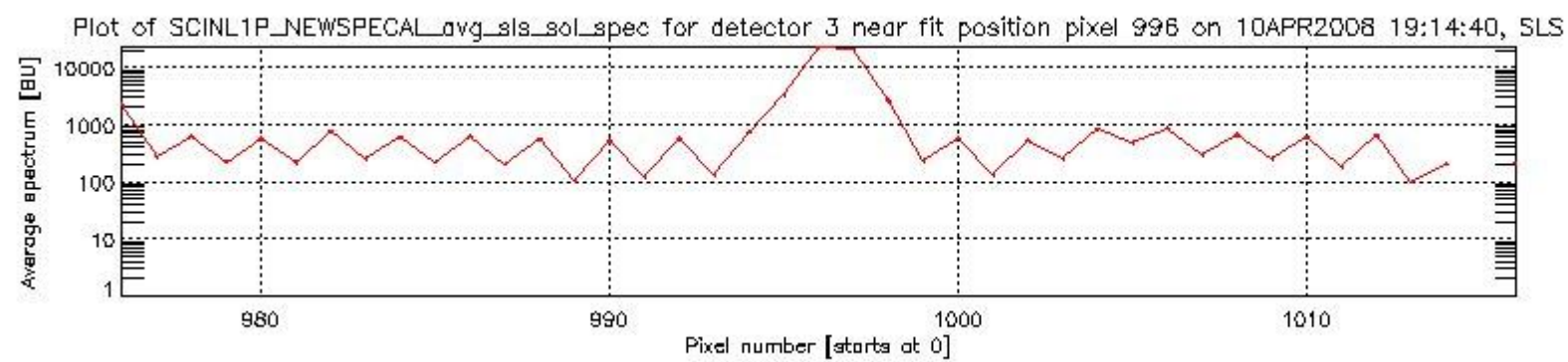
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_44.PNG



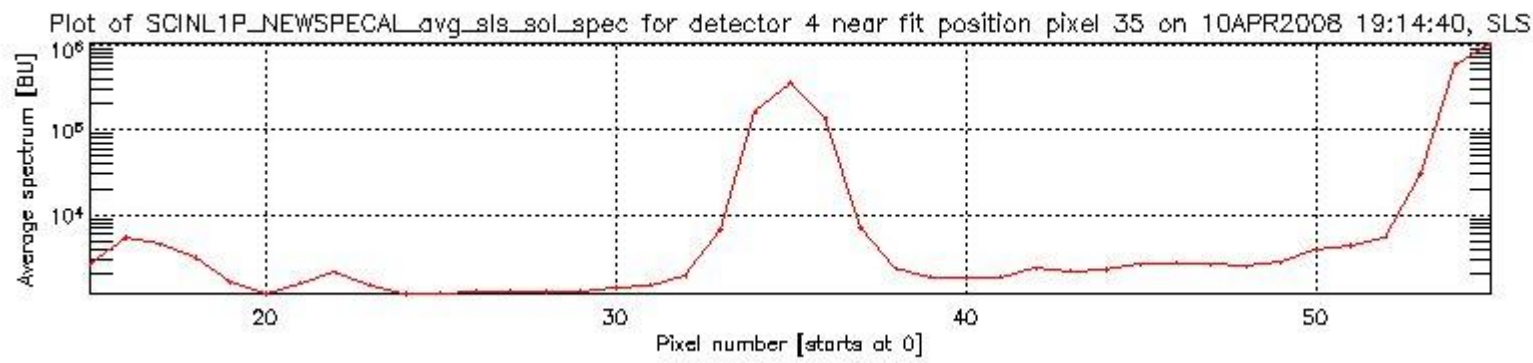
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_45.PNG



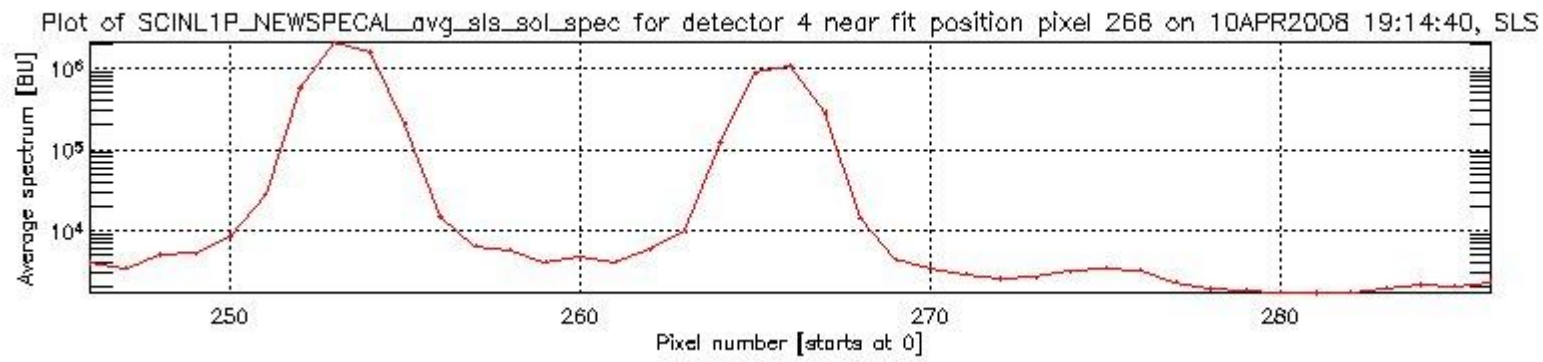
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_46.PNG



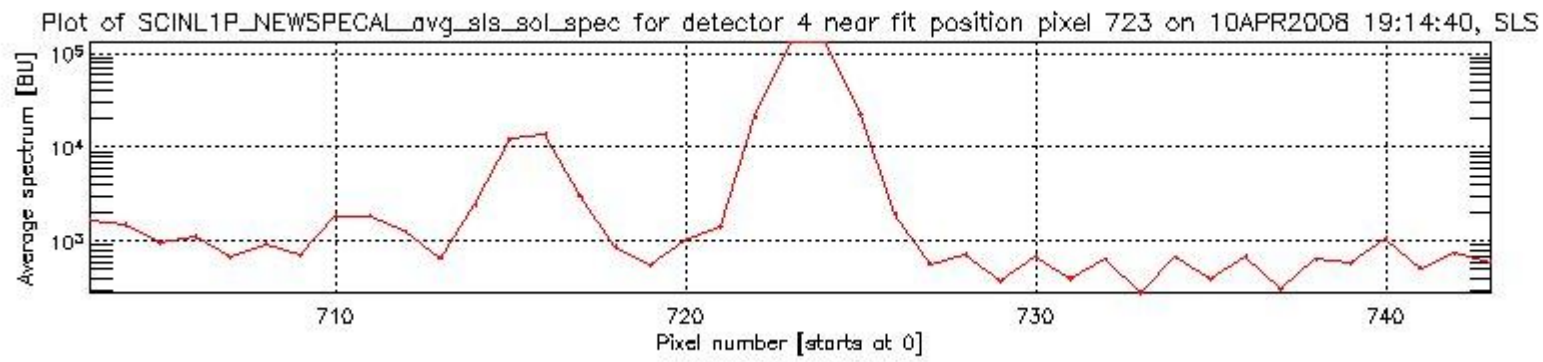
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_47.PNG



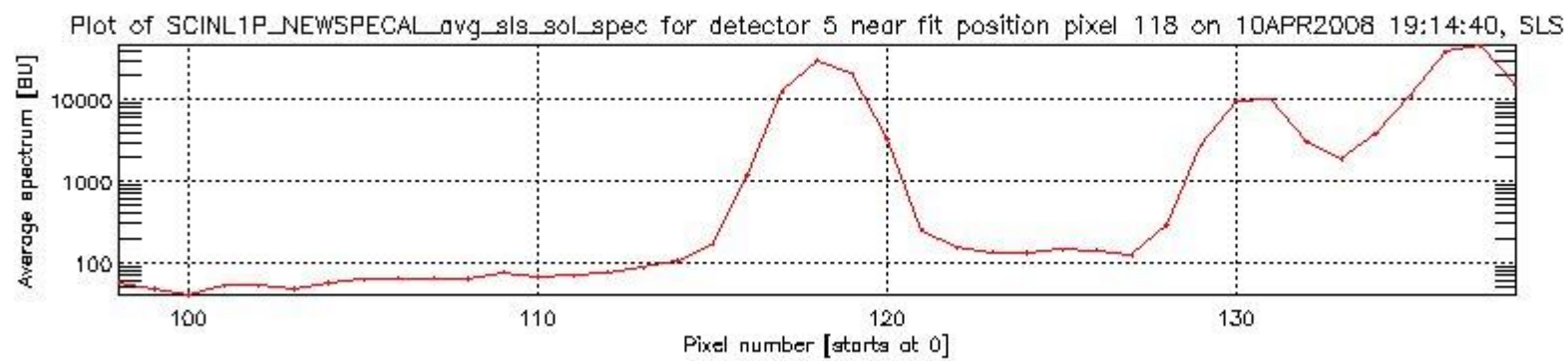
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_48.PNG



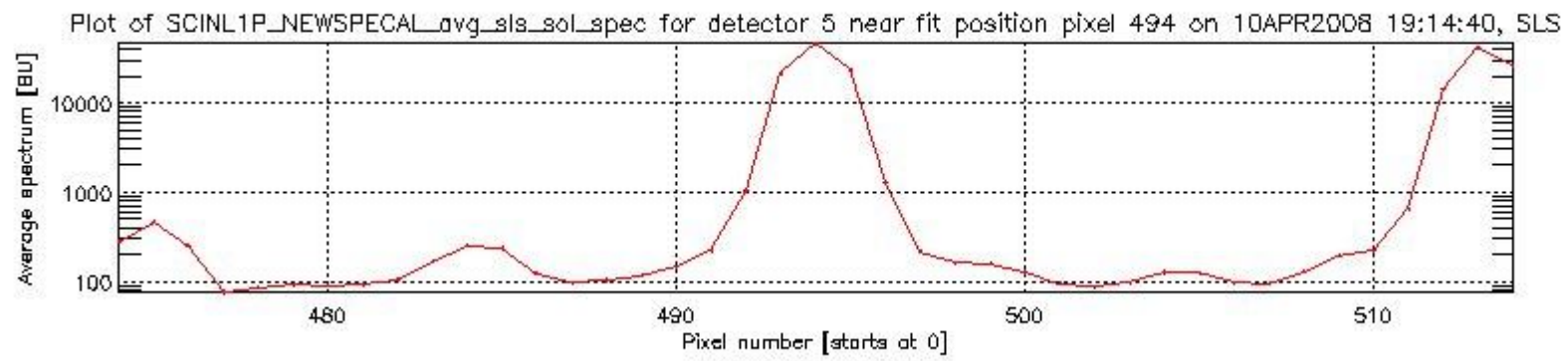
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_49.PNG



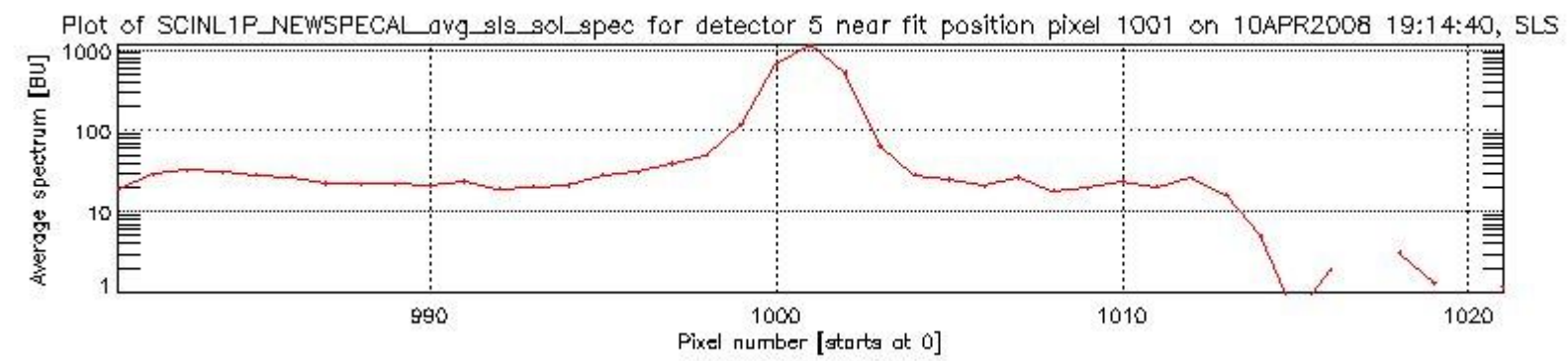
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_50.PNG



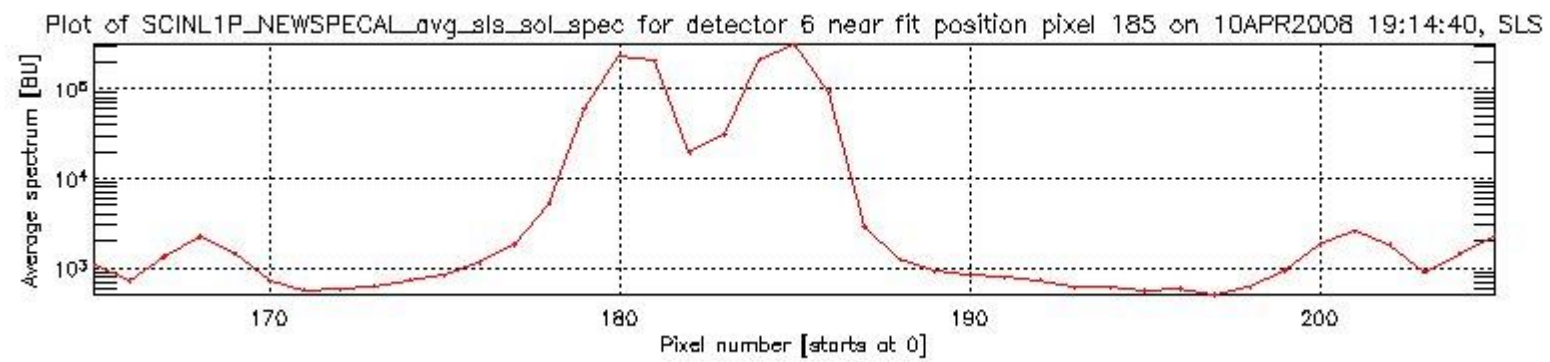
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_51.PNG



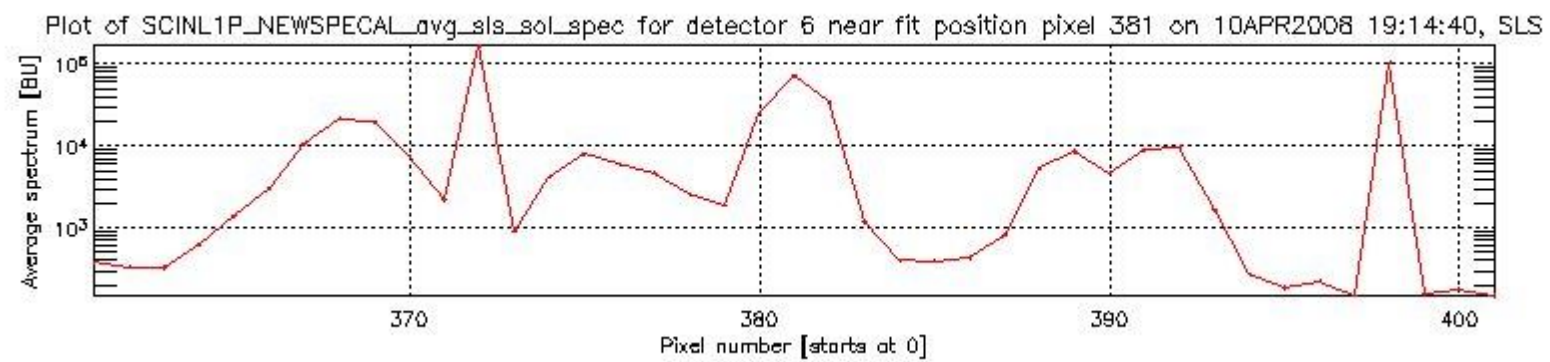
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_52.PNG



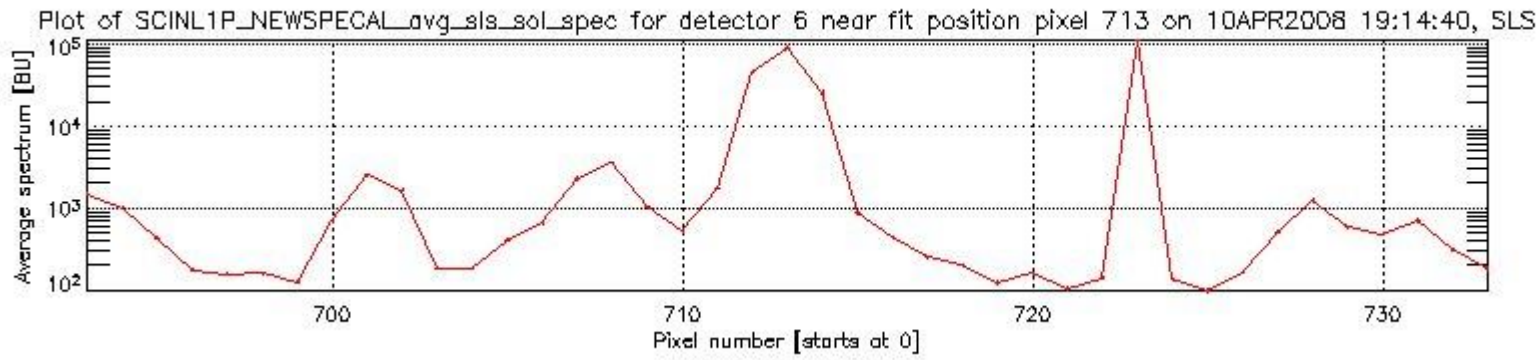
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_53.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080410_54.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080410_55.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080410_56.PNG

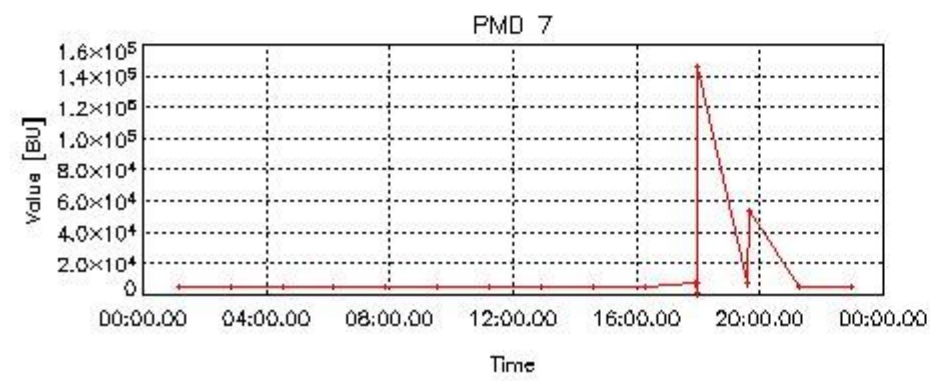
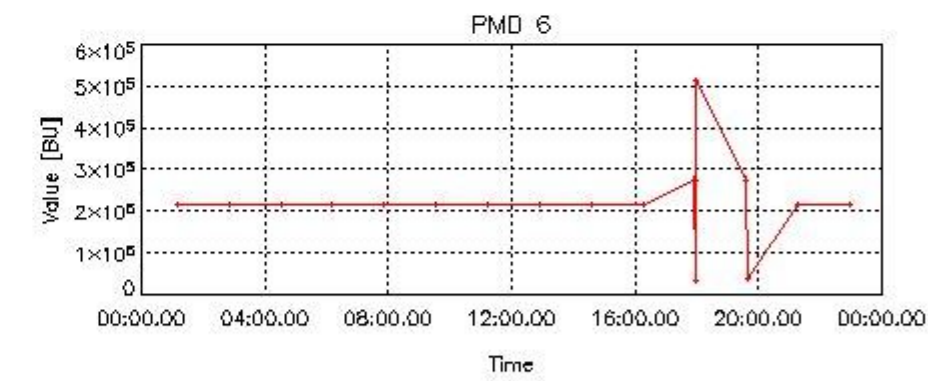
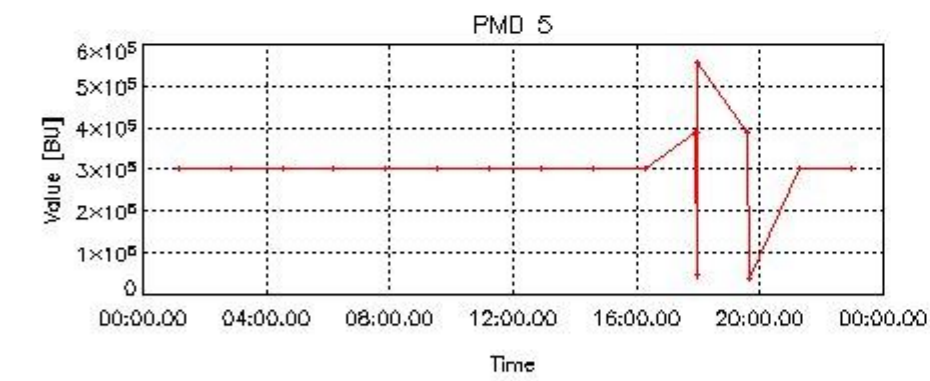
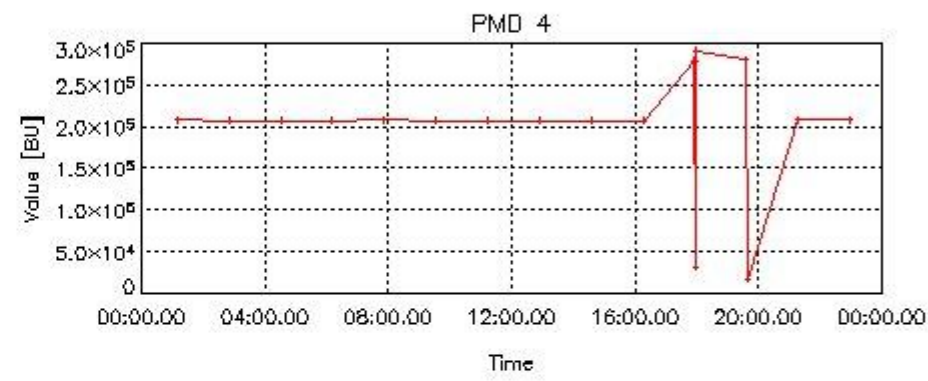
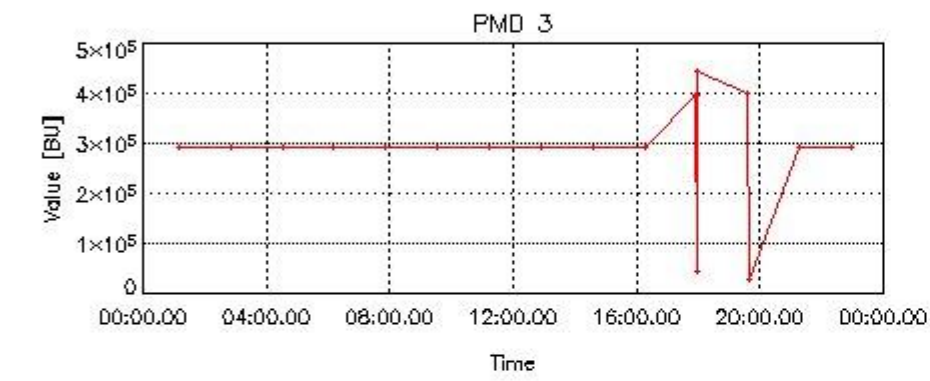
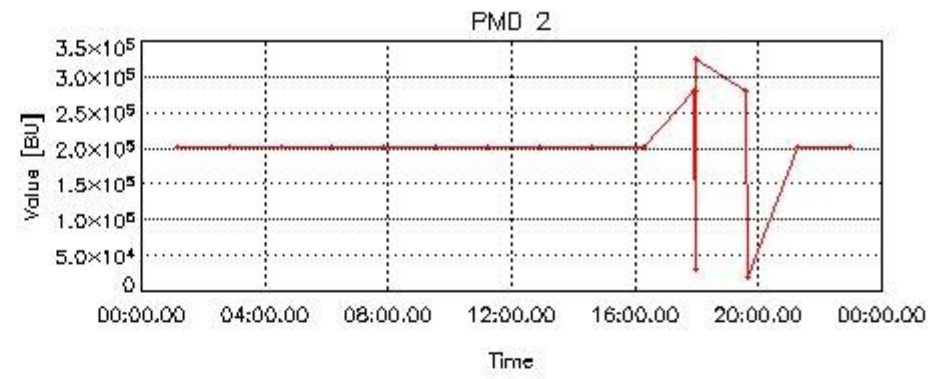
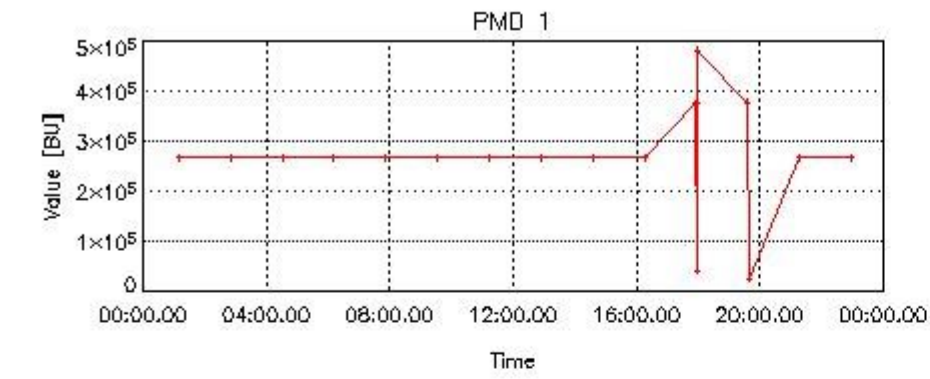
1.2.4 New sun reference spectrum parameters

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.

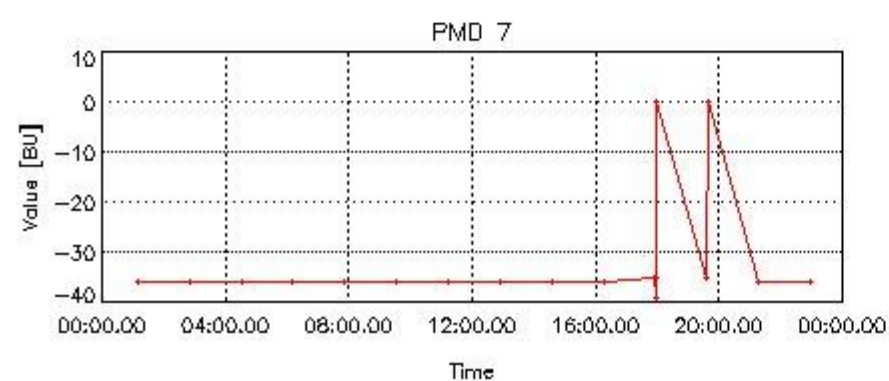
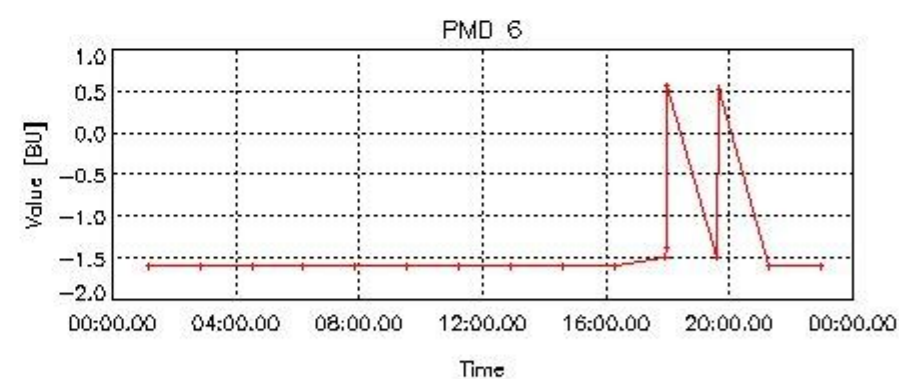
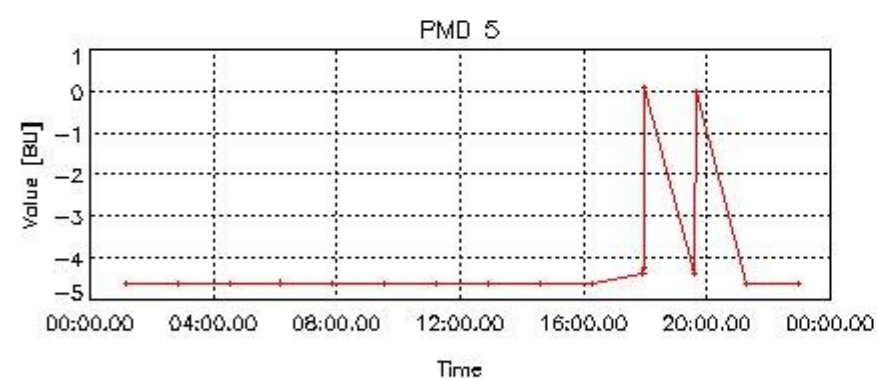
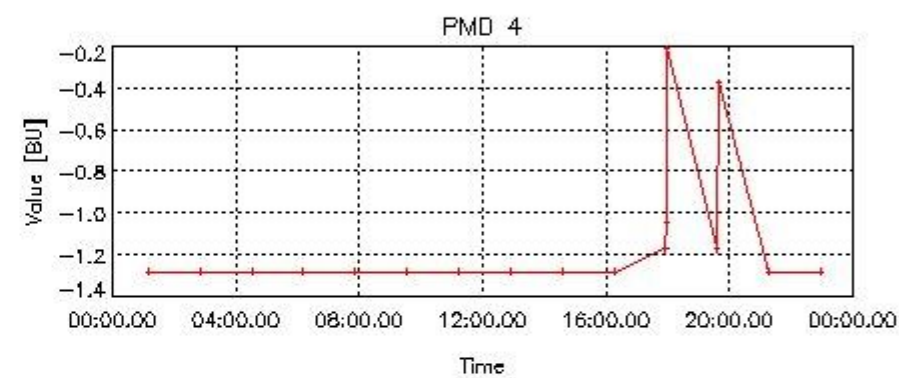
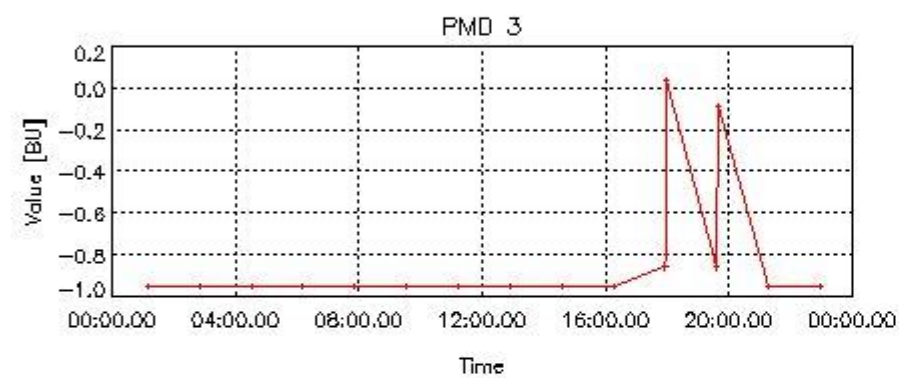
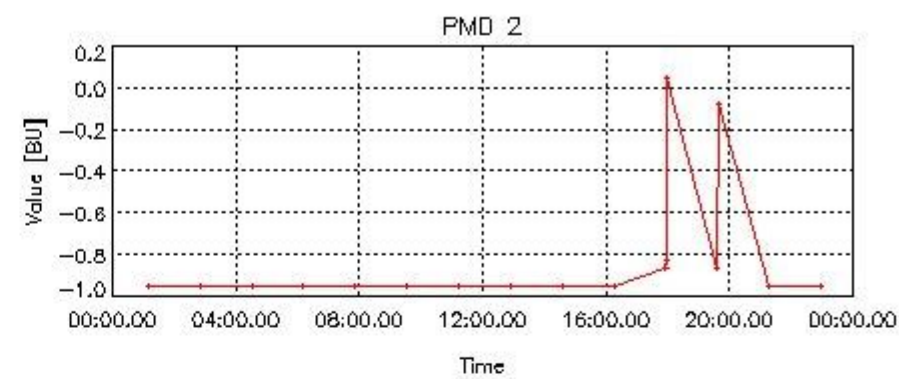
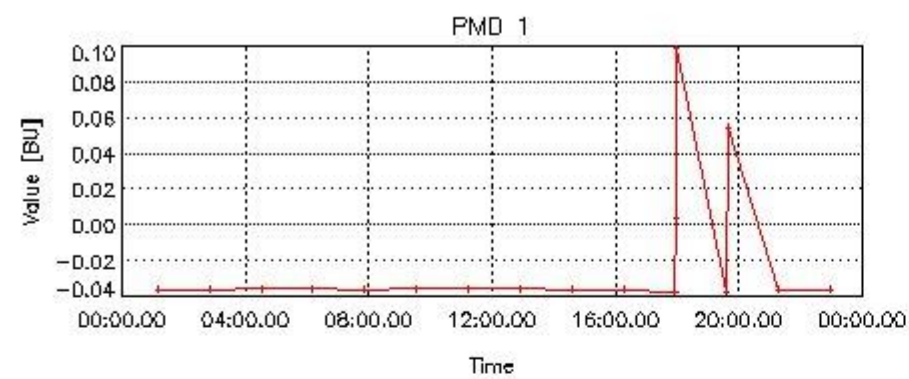
#	dsr_time	attach	ID	NDF	az [deg]	el [deg]	solar_el [deg]	Doppler 500nm [nm]
0	10APR2008 01:09:45	0 0	O U	1 1	-30.6652 -30.6652	-11.7644 -11.7644	0.00000 0.00000	0.0101279 0.0101279
1	10APR2008 02:50:21	0 0	O U	1 1	-30.6720 -30.6720	-11.7628 -11.7628	0.00000 0.00000	0.0101295 0.0101295
2	10APR2008 04:30:56	0 0	O U	1 1	-30.6785 -30.6785	-11.7634 -11.7634	0.00000 0.00000	0.0101308 0.0101308
3	10APR2008 06:11:32	0 0	O U	1 1	-30.6856 -30.6856	-11.7622 -11.7622	0.00000 0.00000	0.0101325 0.0101325
4	10APR2008 07:52:07	0 0	O U	1 1	-30.6922 -30.6922	-11.7615 -11.7615	0.00000 0.00000	0.0101340 0.0101340
5	10APR2008 09:32:43	0 0	O U	1 1	-30.6991 -30.6991	-11.7615 -11.7615	0.00000 0.00000	0.0101353 0.0101353
6	10APR2008 11:13:18	0 0	O U	1 1	-30.7058 -30.7058	-11.7615 -11.7615	0.00000 0.00000	0.0101366 0.0101366
7	10APR2008 12:53:54	0 0	O U	1 1	-30.7121 -30.7121	-11.7618 -11.7618	0.00000 0.00000	0.0101377 0.0101377
8	10APR2008 14:34:29	0 0	O U	1 1	-30.7180 -30.7180	-11.7623 -11.7623	0.00000 0.00000	0.0101386 0.0101386
9	10APR2008 16:15:05	0 0	O U	1 1	-30.7245 -30.7245	-11.7628 -11.7628	0.00000 0.00000	0.0101396 0.0101396
10	10APR2008 17:55:40	0 0	O U	1 1	-30.5515 -30.5515	-12.5675 -12.5675	0.00000 0.00000	0.00997940 0.00997940
11	10APR2008 17:57:00	0 0	O U	1 1	-30.6084 -30.6084	-11.9322 -11.9322	0.00000 0.00000	0.0100906 0.0100906
12	10APR2008 17:57:38	0 0	D E	1 1	-30.8603 -30.8603	-15.0000 -15.0000	21.6975 21.6975	0.0103209 0.0103209
13	10APR2008 19:36:16	0 0	O U	1 1	-30.5591 -30.5591	-12.5663 -12.5663	0.00000 0.00000	0.00998123 0.00998123
14	10APR2008 19:38:13	0 0	D A	0 0	-1.99934 -1.99934	-11.2550 -11.2550	21.6974 21.6974	0.0103224 0.0103224
15	10APR2008 21:16:51	0 0	O U	1 1	-30.7459 -30.7459	-11.7606 -11.7606	0.00000 0.00000	0.0101444 0.0101444
16	10APR2008 22:57:27	0 0	O U	1 1	-30.7528 -30.7528	-11.7603 -11.7603	0.00000 0.00000	0.0101458 0.0101458

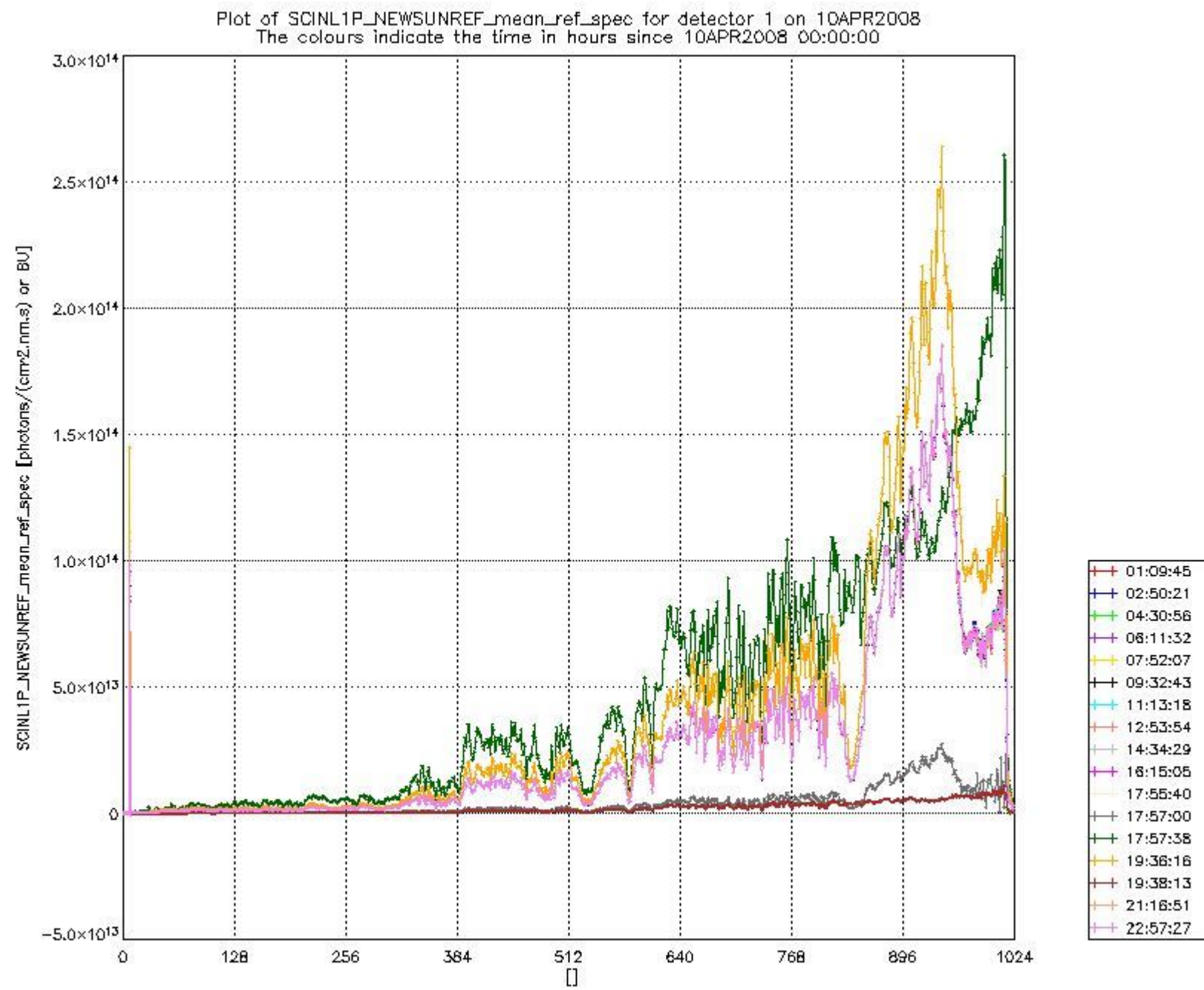
Plot of SCINL1P_NEWSUNREF_mean_prnd versus time

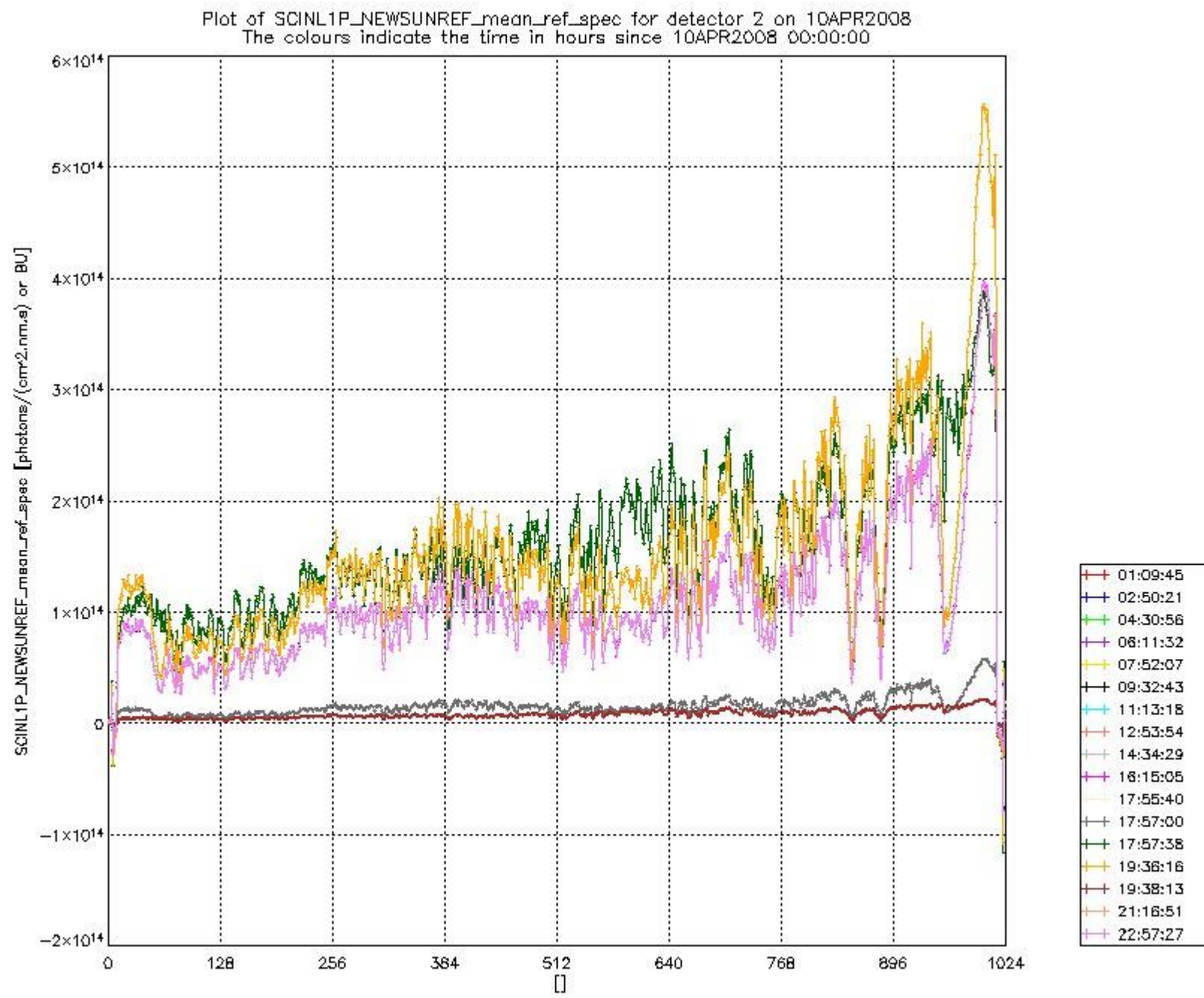


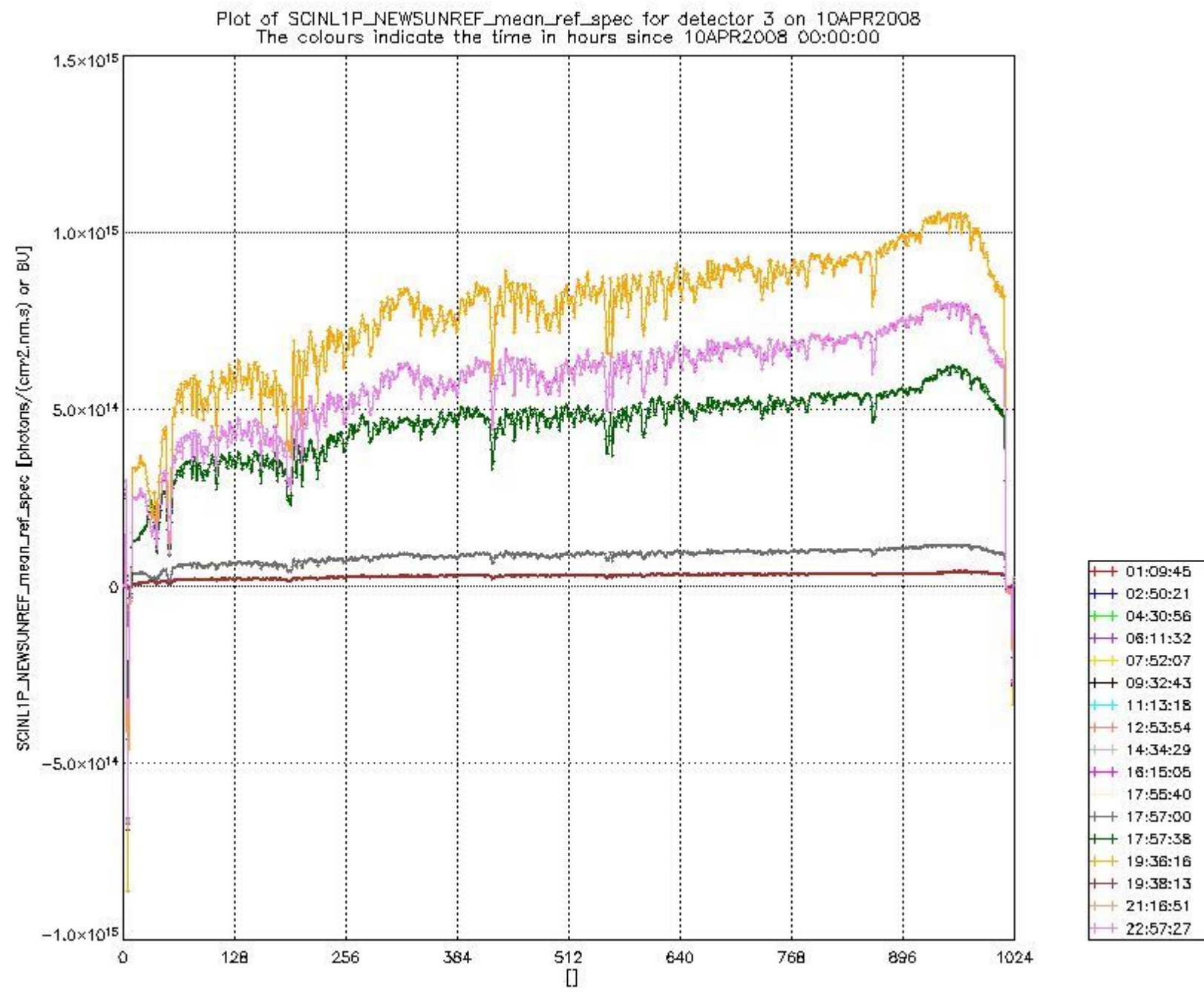
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_57.PNG

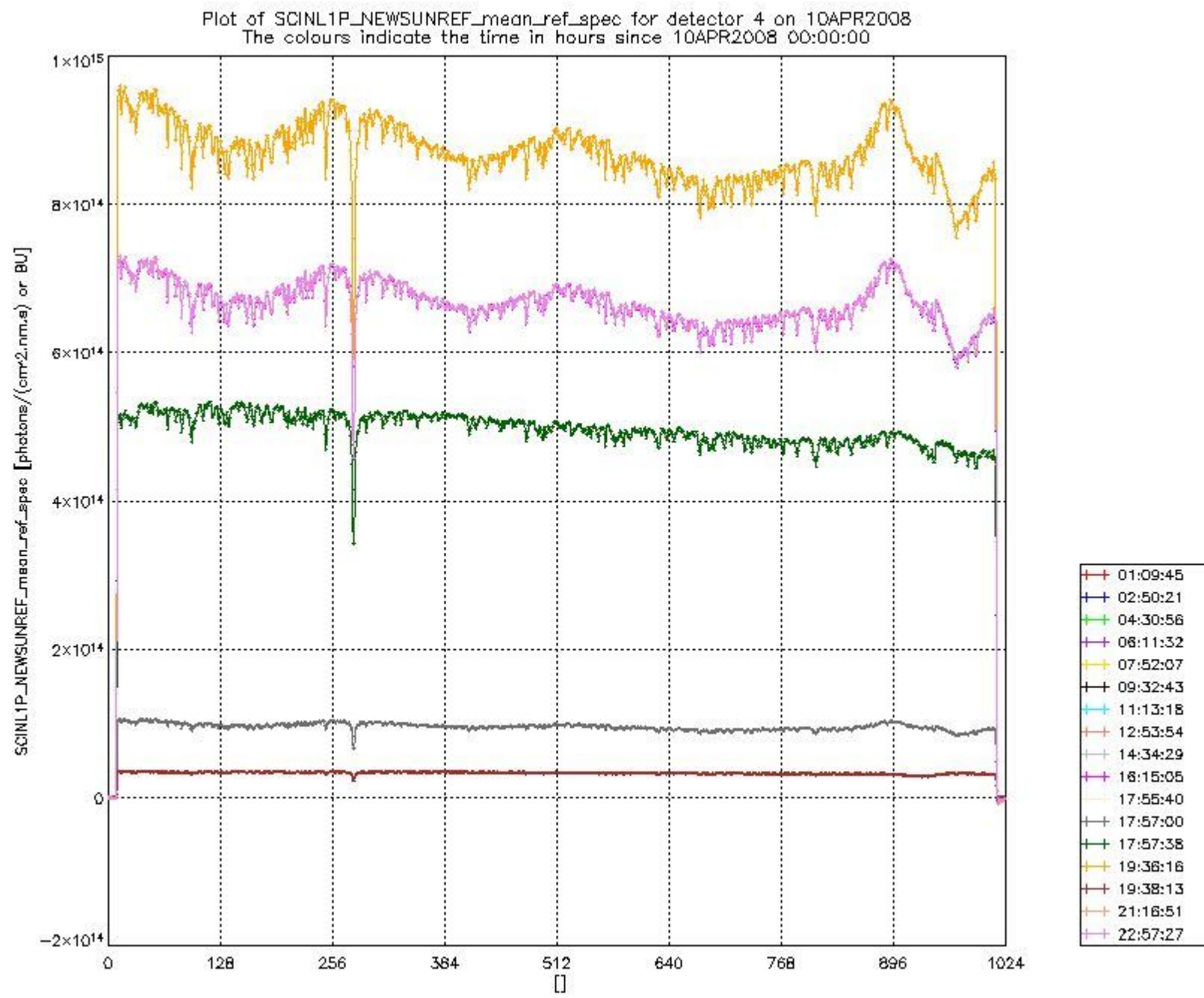
Plot of SCINL1P_NEWSUNREF_pmd_out versus time

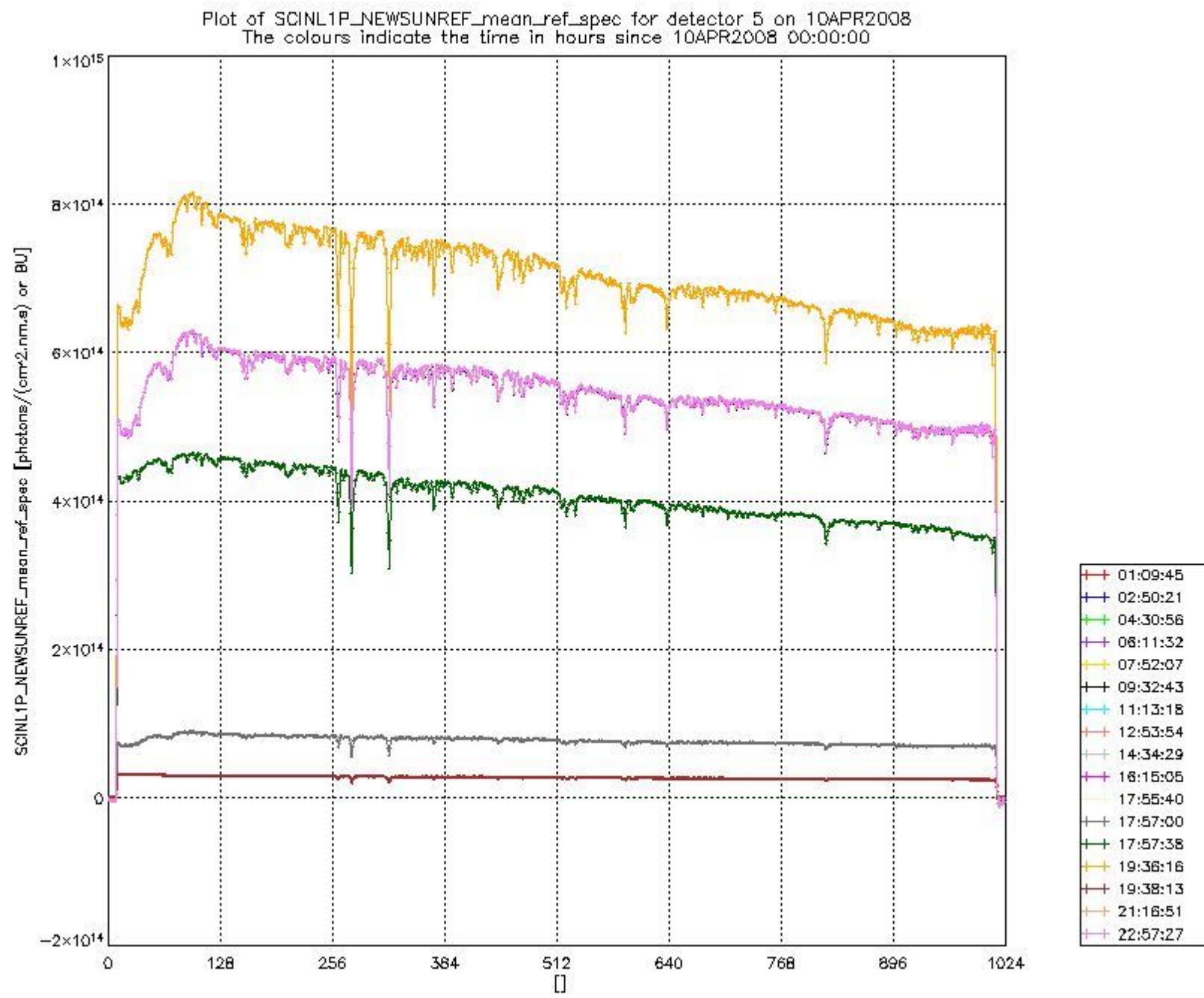


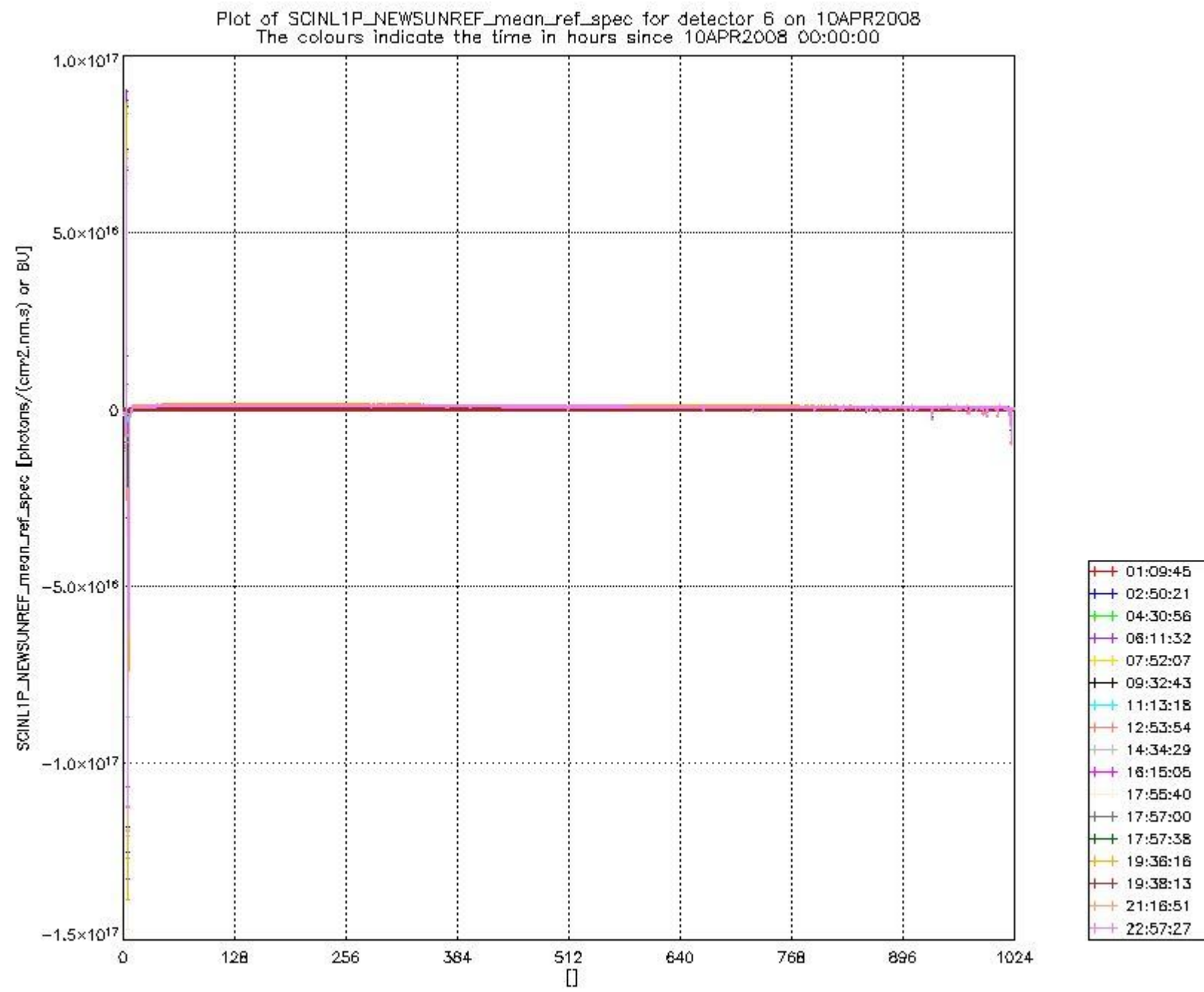


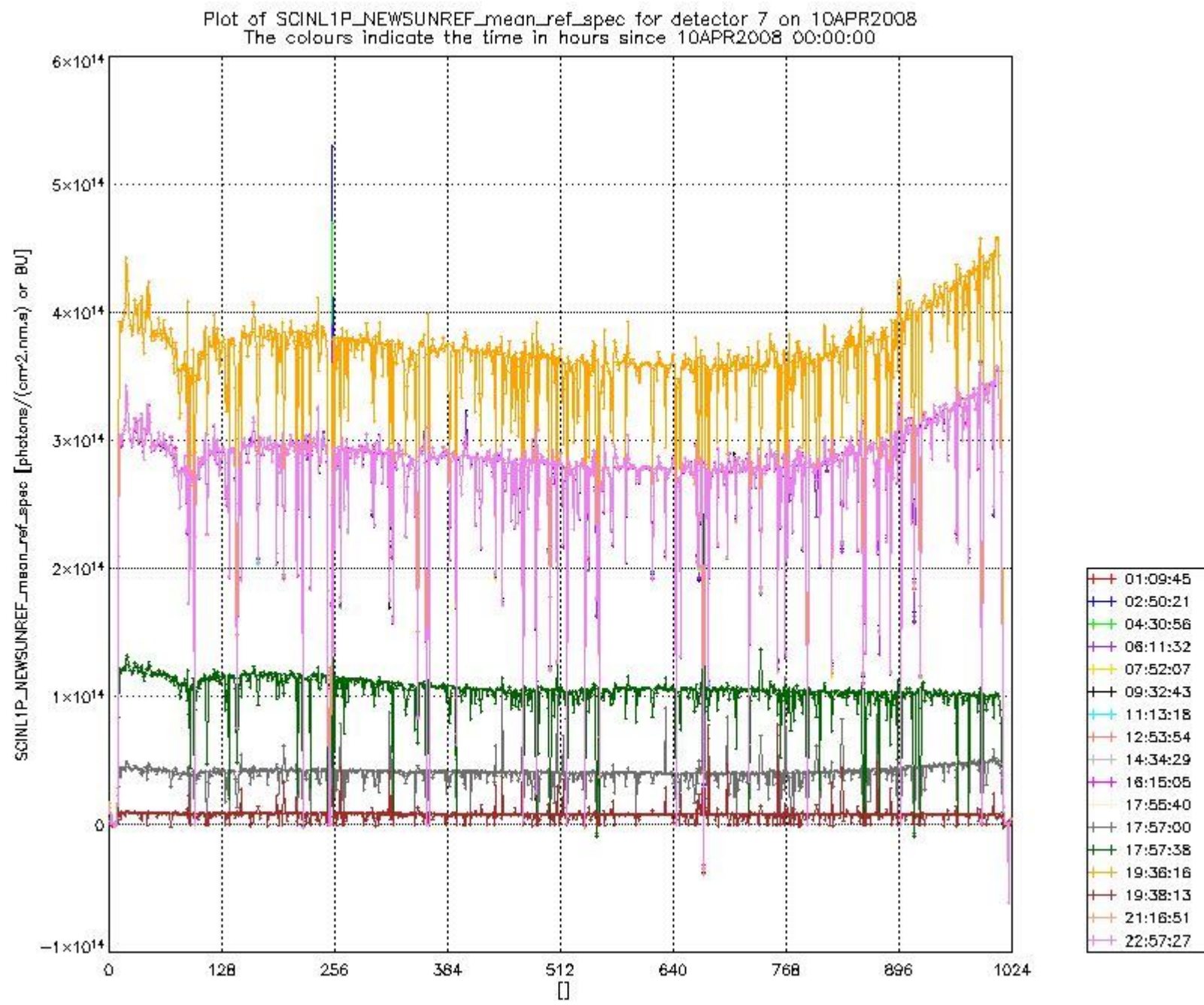


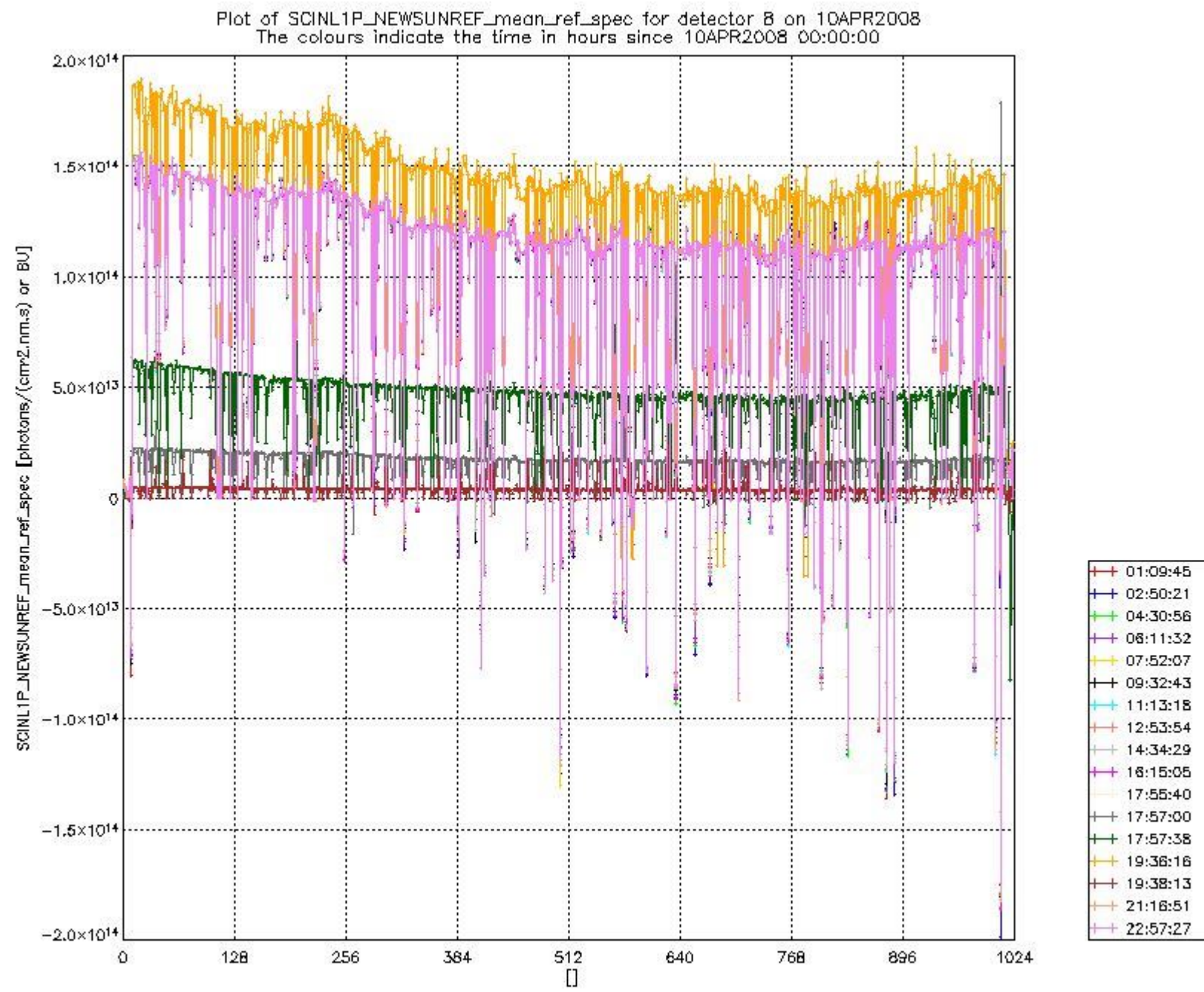




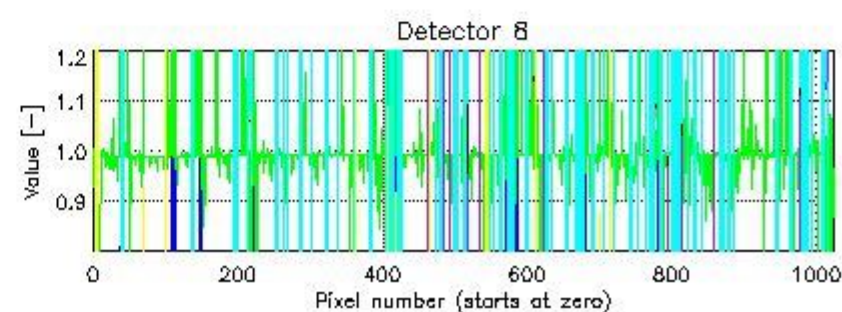
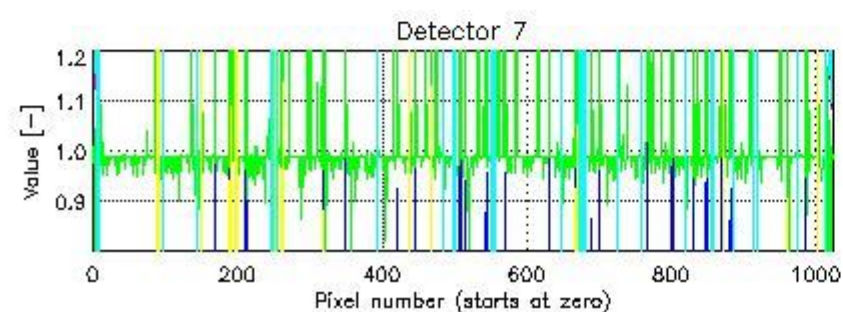
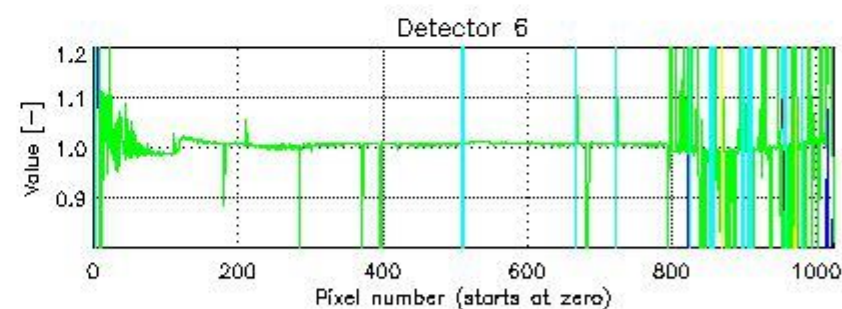
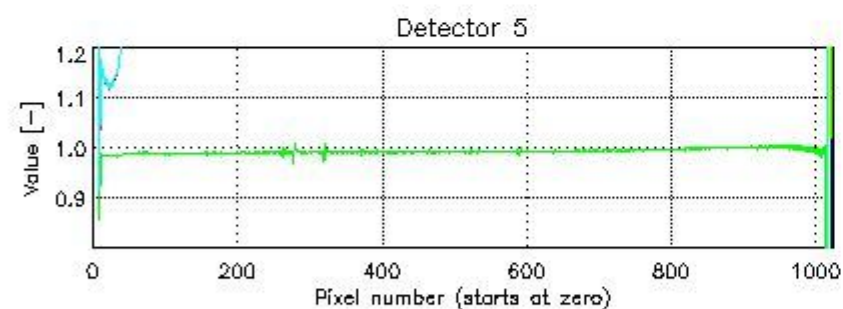
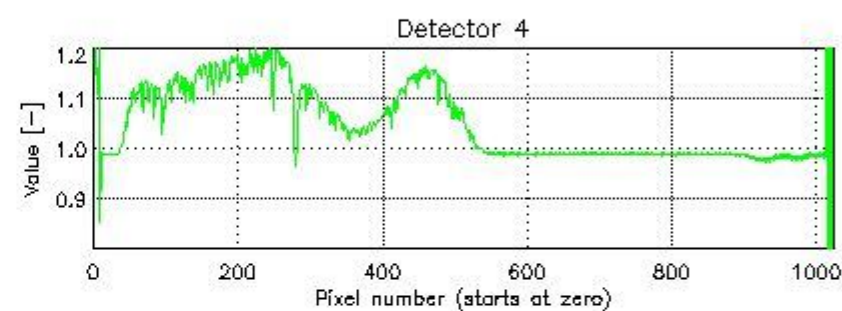
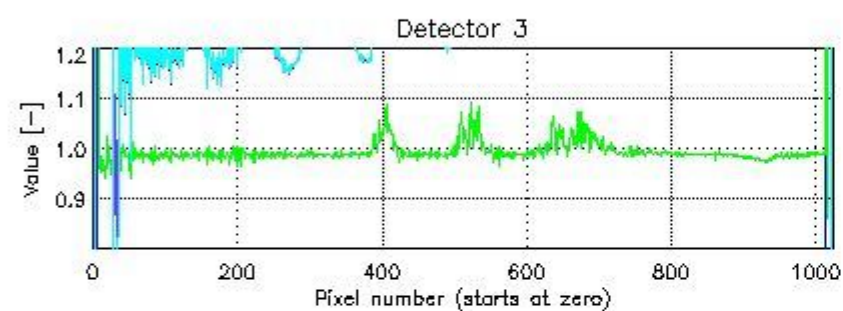
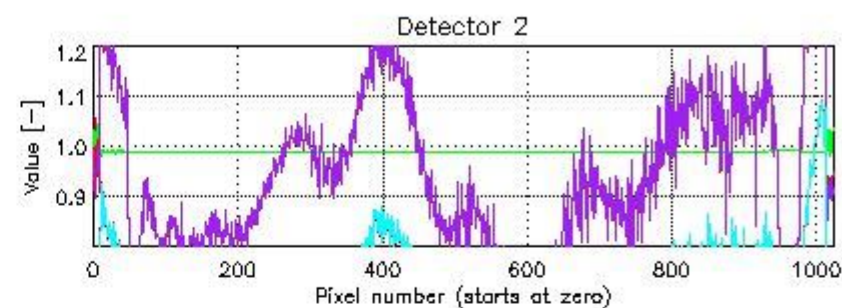
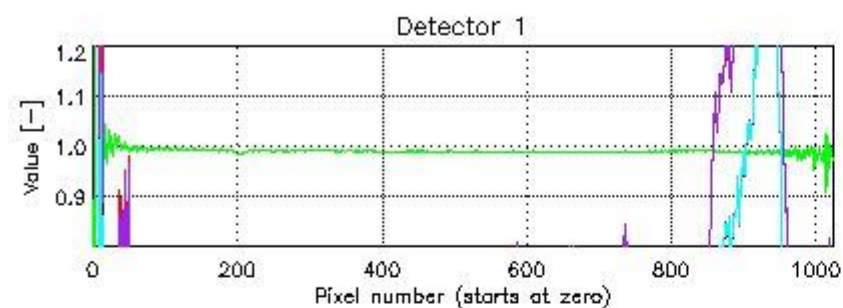








Ratio plot of D0 (ndf=1) sunref data vs. ADF
ADF: SCI_SU1_AXVIEC20080409_030438_20080405_171901_20080420_185808

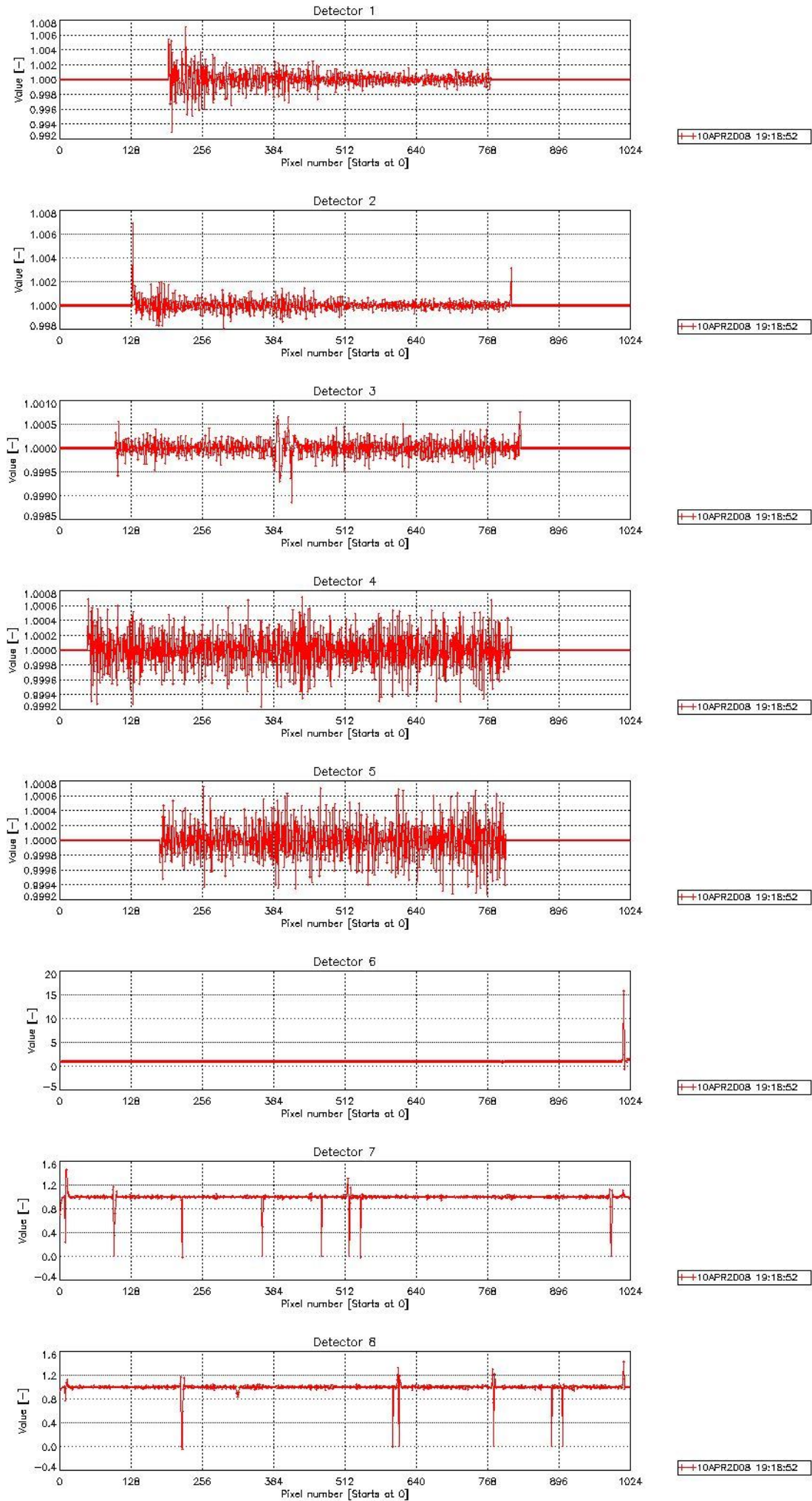


sciamachy_daily_report_level1_SCIA_6_03_N_20080410_67.PNG

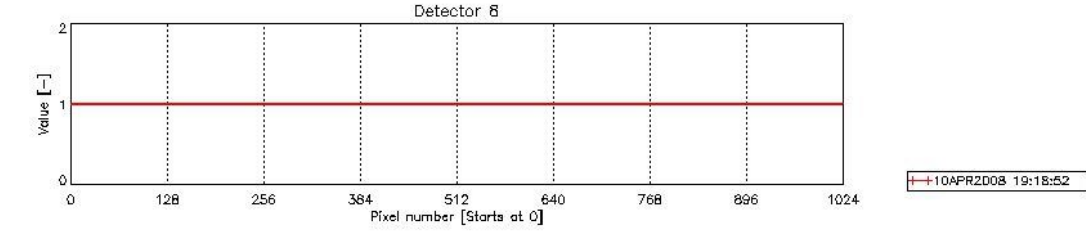
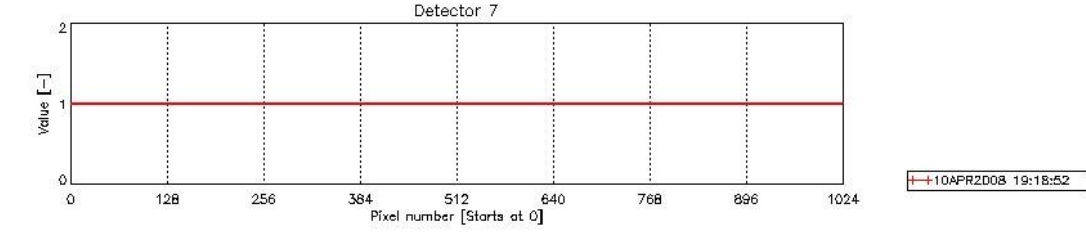
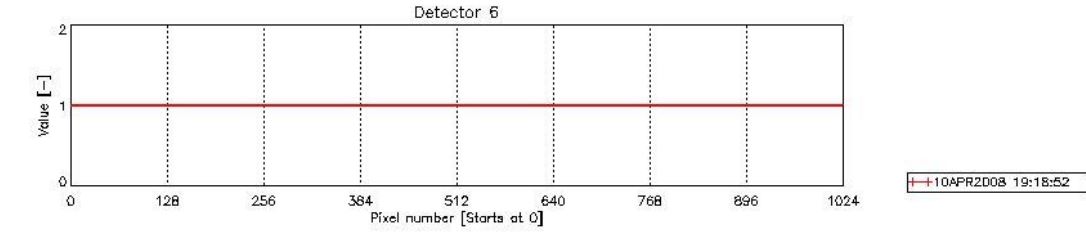
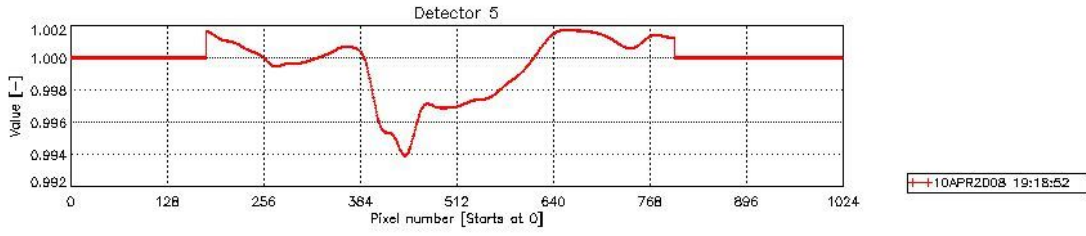
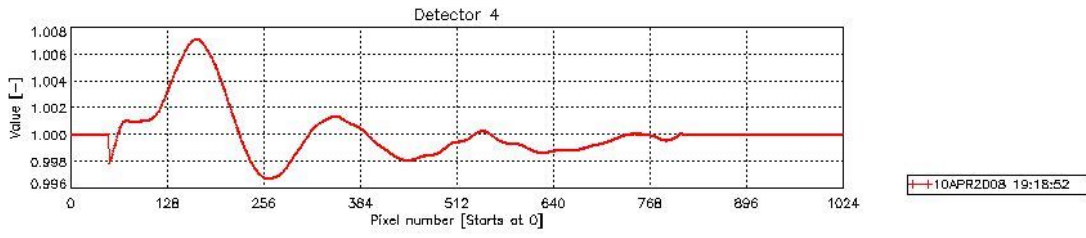
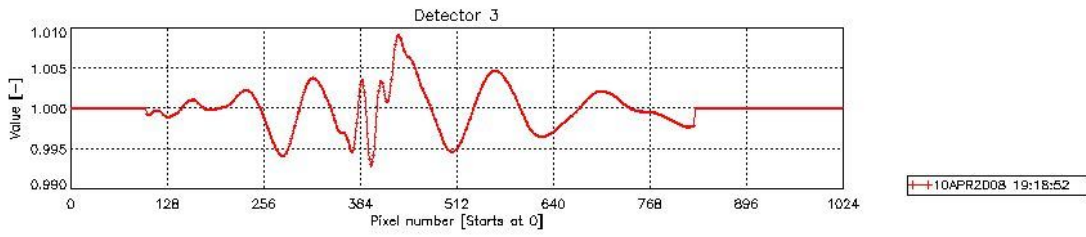
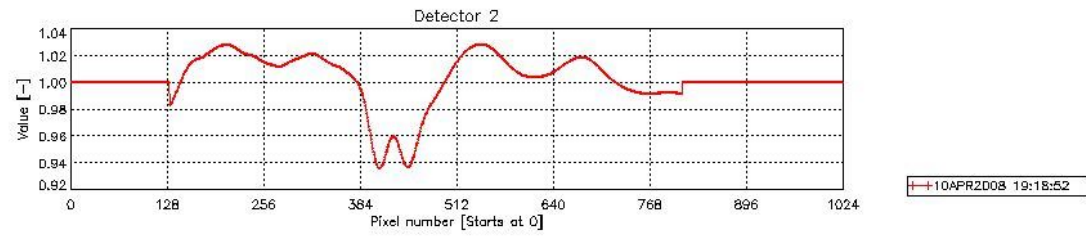
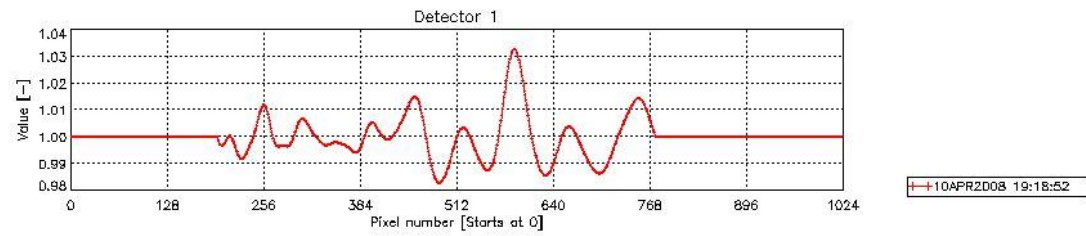
1.2.5 PPG and Etalon parameters

This section lists properties of the new PPG and Etalon data within the processing scope.

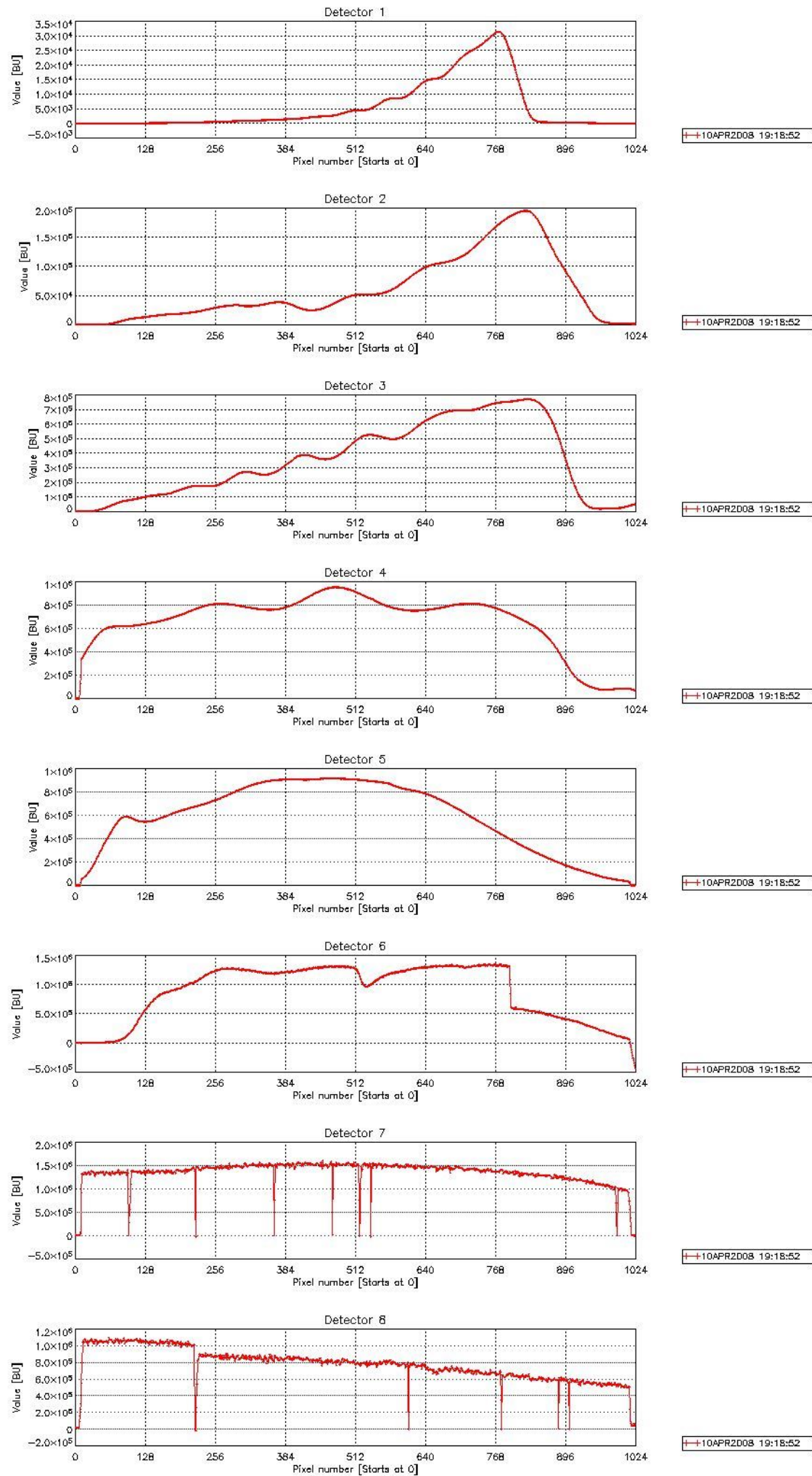
Plot of SCINL1P_NEWPPGETA_pix_gain_fact for each channel



sciamachy_daily_report_level1_SCIA_6_03_N_20080410_68.PNG

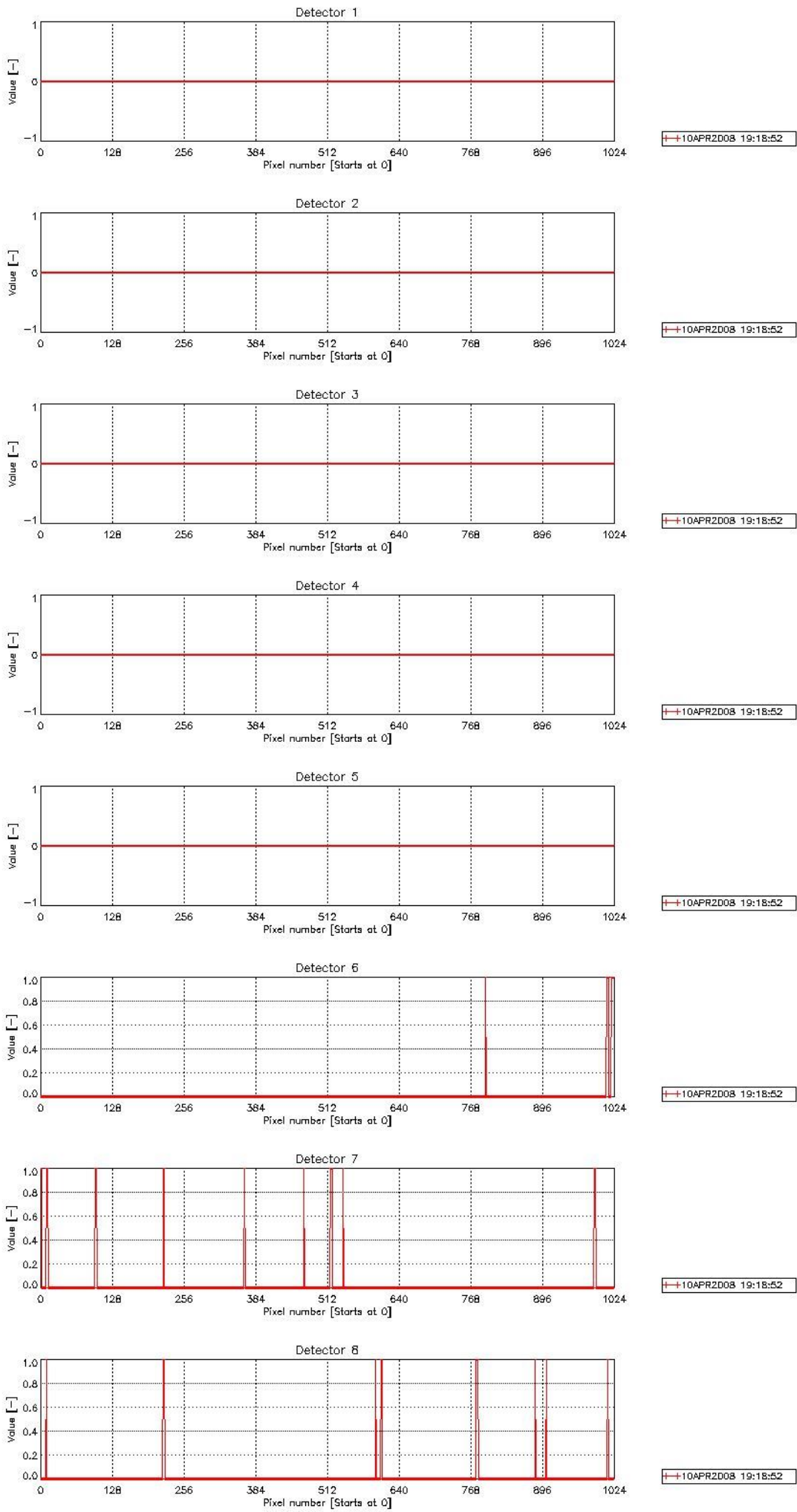


sciamachy_daily_report_level1_SCIA_6_03_N_20080410_69.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080410_70.PNG

Plot of SCINL1P_NEWPPGETA_bad_pix_mask for each channel



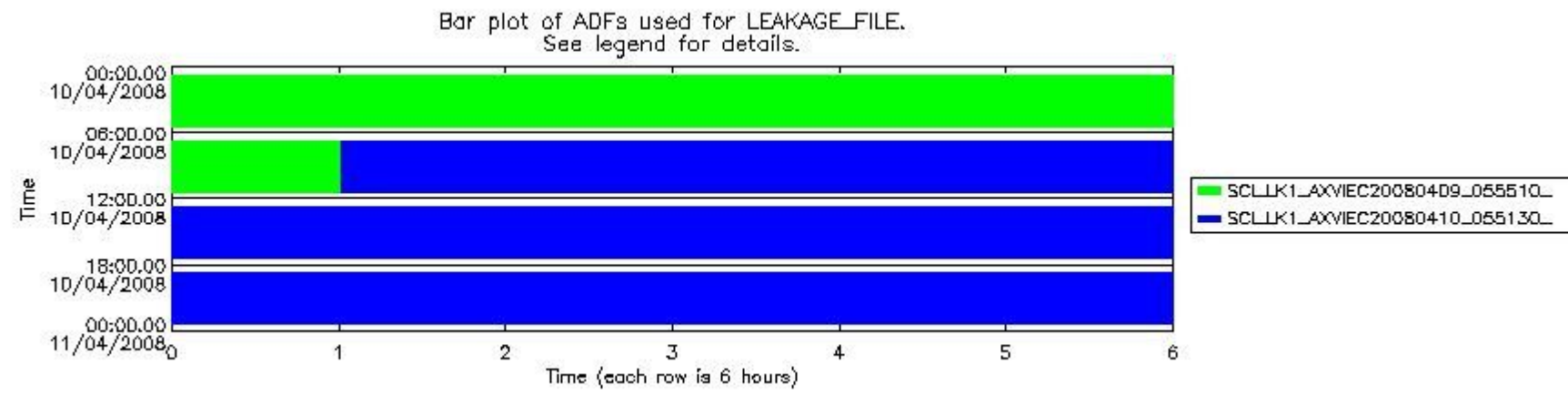
1.3 ADF monitoring

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

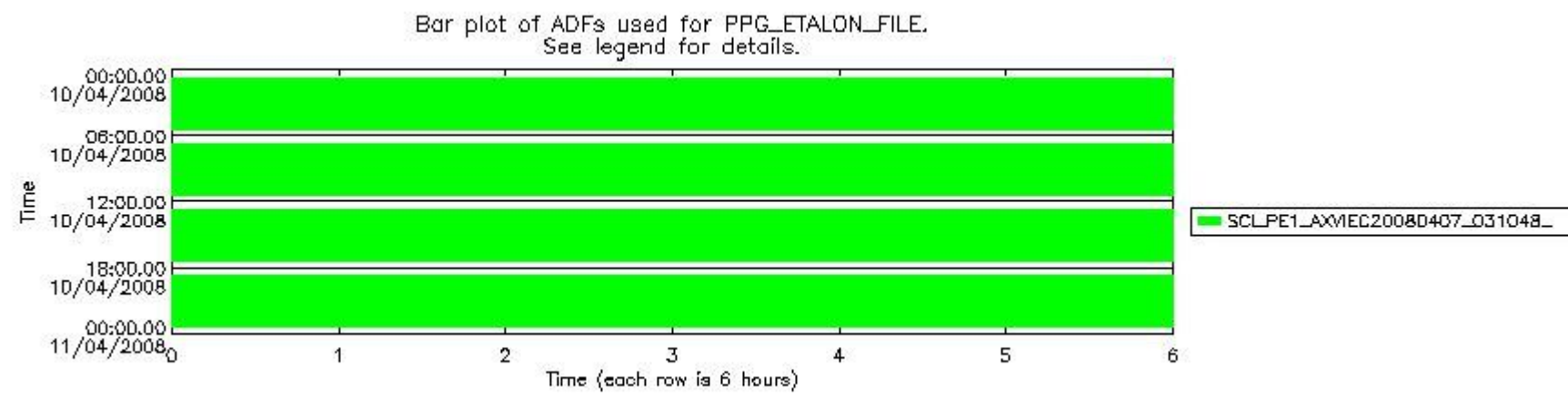
- A table showing which ADFs having a start validity of the current time scope are currently available (if present).
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

No new ADFs available

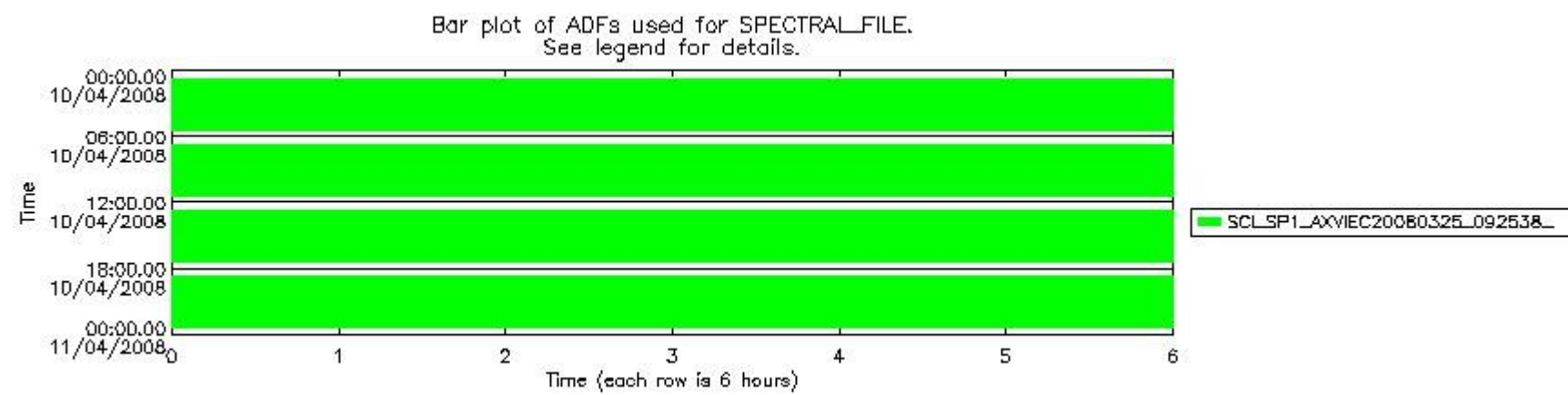
Number	ADF
	LK1 (LEAKAGE_FILE)
0	SCI_LK1_AXVIEC20080409_055510_20080406_182434_20080605_200429
1	SCI_LK1_AXVIEC20080410_055130_20080407_175442_20080606_193422
	PE1 (PPG_ETALON_FILE)
2	SCI_PE1_AXVIEC20080407_031048_20080321_051506_20080418_061604
	SP1 (SPECTRAL_FILE)
3	SCI_SP1_AXVIEC20080325_092538_20080320_203845_20080618_222427
	SU1 (SUN_REF_FILE)
4	SCI_SU1_AXVIEC20080409_030438_20080405_171901_20080420_185808
5	SCI_SU1_AXVIEC20080410_030449_20080406_200231_20080421_214908
6	SCI_SU1_AXVIEC20080410_063543_20080407_175442_20080422_193422
	KD1 (KEY_DATA_FILE)
7	SCI_KD1_AXVIEC20060523_182626_20020301_000000_20991231_235959
	MF1 (M_FACTOR_FILE)
8	SCI_MF1_AXVIEC20020809_094925_20020206_173831_20991231_235959
	LI1 (INIT_FILE)
9	SCI_LI1_AXVIEC20070628_134108_20020701_000000_20991231_235959
	FRO (ORBIT_FILE)
10	DOR_NAV_0PNPDE20080409_212130_000057382067_00329_31946_5300.N1
11	DOR_NAV_0PNPDE20080409_230227_000057382067_00330_31947_5301.N1
12	DOR_NAV_0PNPDE20080410_004324_000054192067_00331_31948_5302.N1
13	DOR_NAV_0PNPDE20080410_021902_000041442067_00332_31949_5303.N1
14	DOR_NAV_0PNPDE20080410_033325_000060572067_00333_31950_5304.N1
15	DOR_NAV_0PNPDE20080410_051941_000054192067_00334_31951_5305.N1
16	DOR_NAV_0PNPDE20080410_193507_000038262067_00343_31960_5306.N1
17	DOR_NAV_0PNPDE20080410_204411_000060572067_00343_31960_5307.N1
18	DOR_NAV_0PNPDK20080410_065519_000038262067_00335_31952_6547.N1
19	DOR_NAV_0PNPDK20080410_080424_000057382067_00336_31953_6548.N1
20	DOR_NAV_0PNPDK20080410_094521_000057382067_00337_31954_6549.N1
21	DOR_NAV_0PNPDK20080410_112618_000057382067_00338_31955_6550.N1
22	DOR_NAV_0PNPDK20080410_130715_000054192067_00339_31956_6551.N1
23	DOR_NAV_0PNPDK20080410_144253_000054192067_00340_31957_6552.N1
24	DOR_NAV_0PNPDK20080410_161831_000057382067_00341_31958_6553.N1
	ATT (ATTITUDE_FILE)
25	NOT USED



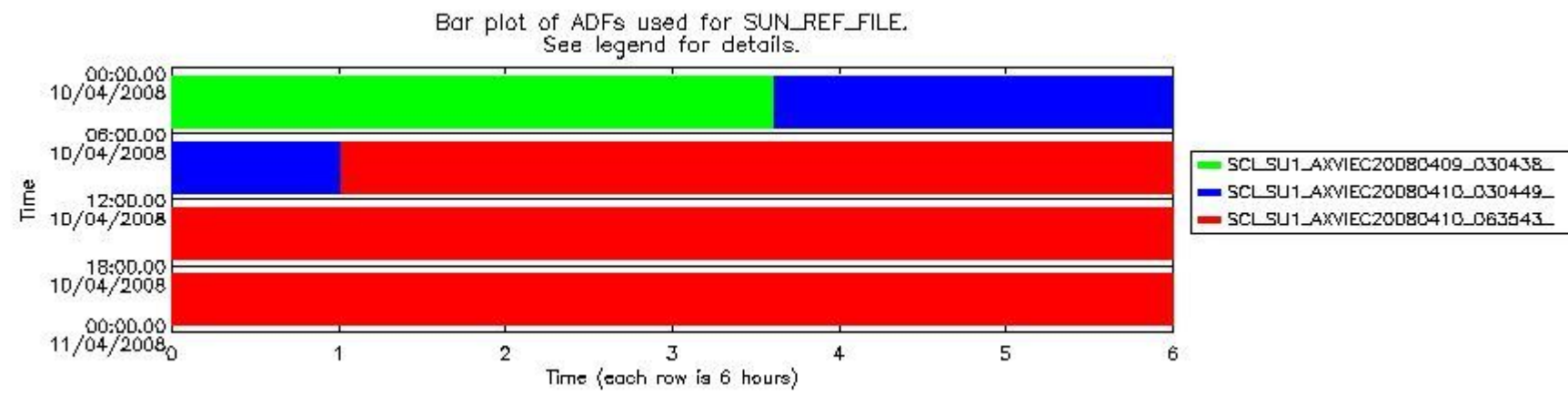
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_72.PNG



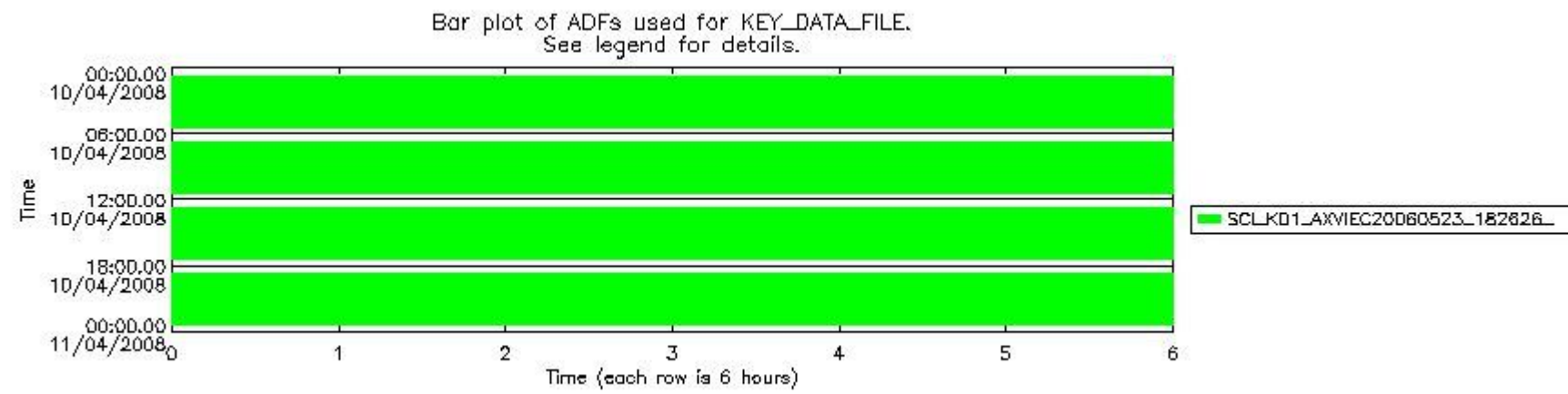
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_73.PNG



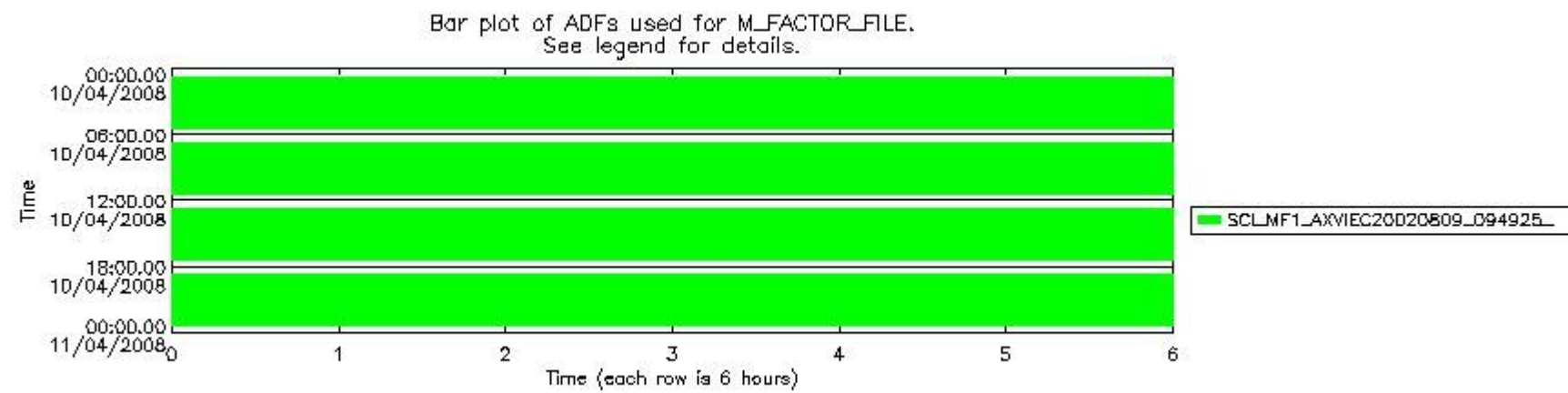
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_74.PNG



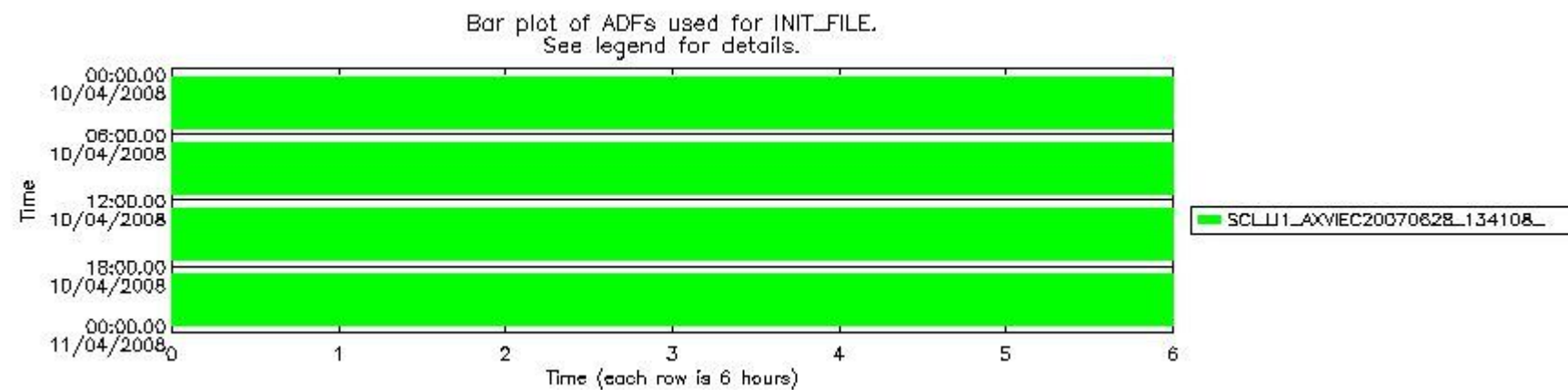
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_75.PNG



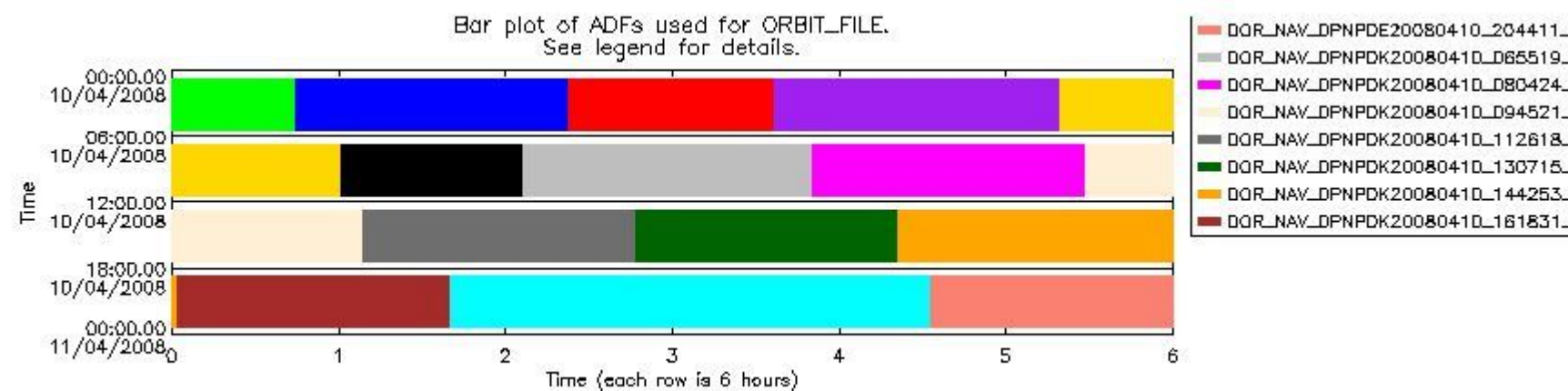
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_76.PNG



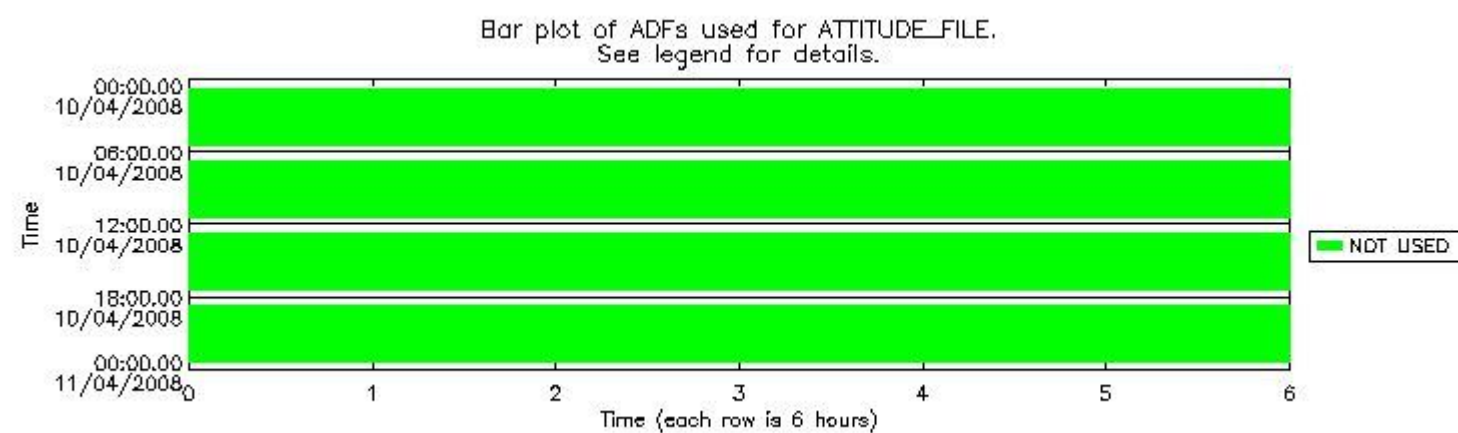
sciamachy_daily_report_level1_SCIA_6_03_N_20080410_77.PNG



sciamachy_daily_report_level1__SCIA_6_03_N_20080410_78.PNG



sciamachy_daily_report_level1__SCIA_6_03_N_20080410_79.PNG



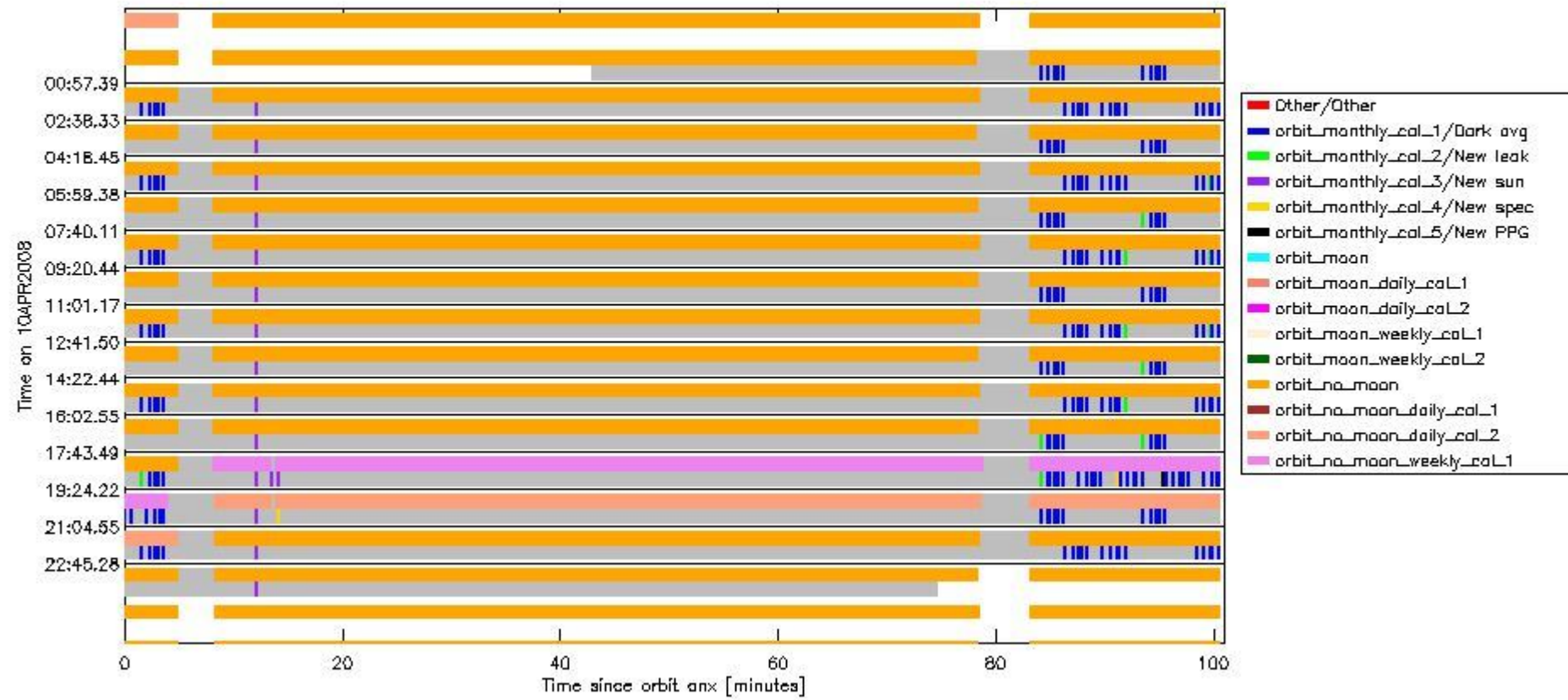
sciamachy_daily_report_level1__SCIA_6_03_N_20080410_80.PNG

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.

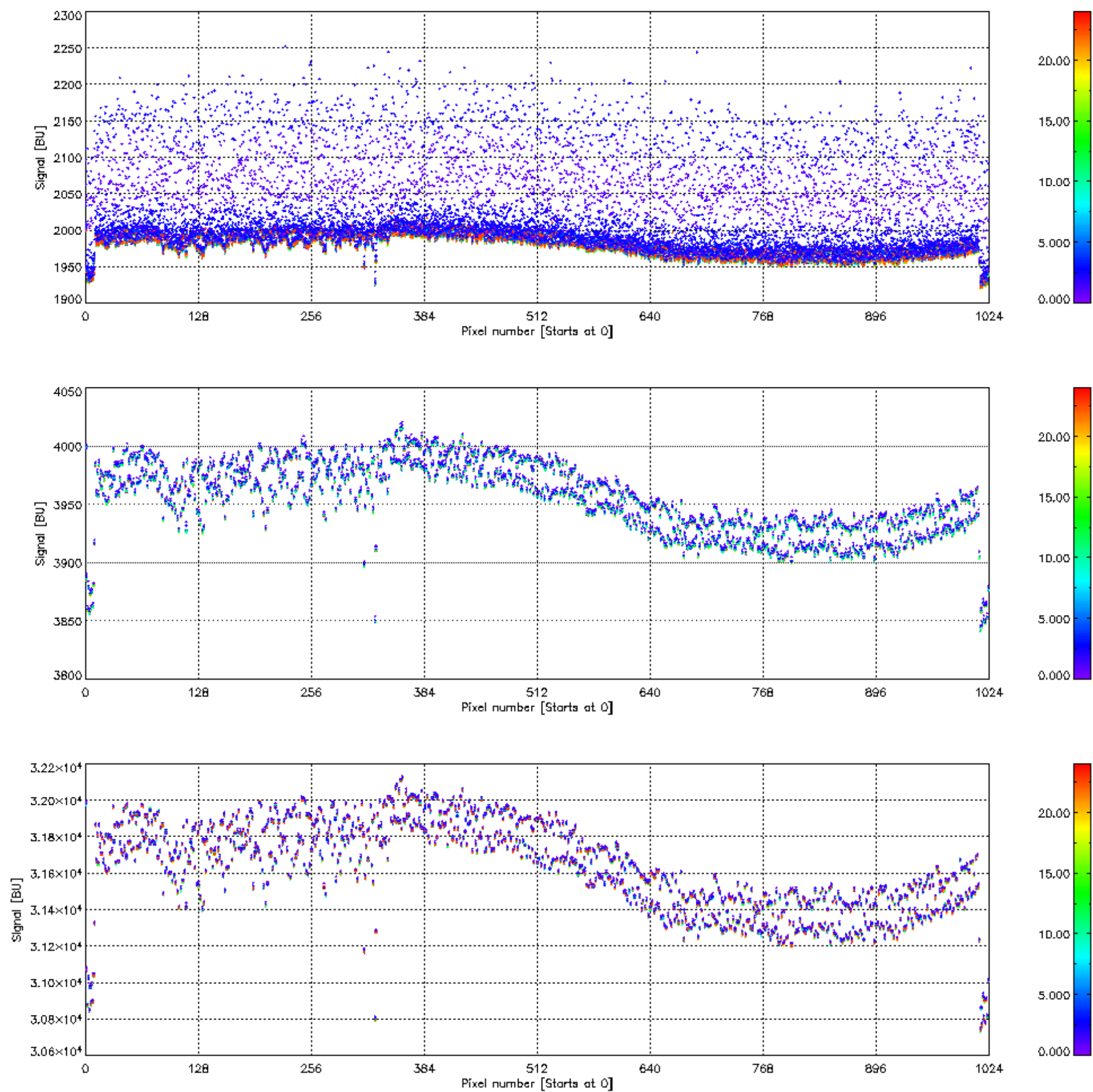
The following plot gives an overview of planned activities and actual special measurements in the Level 1 products. The planning is taken from the DMOP files, and interpreted using information from OSDF files.

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 10APR2008.
 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.

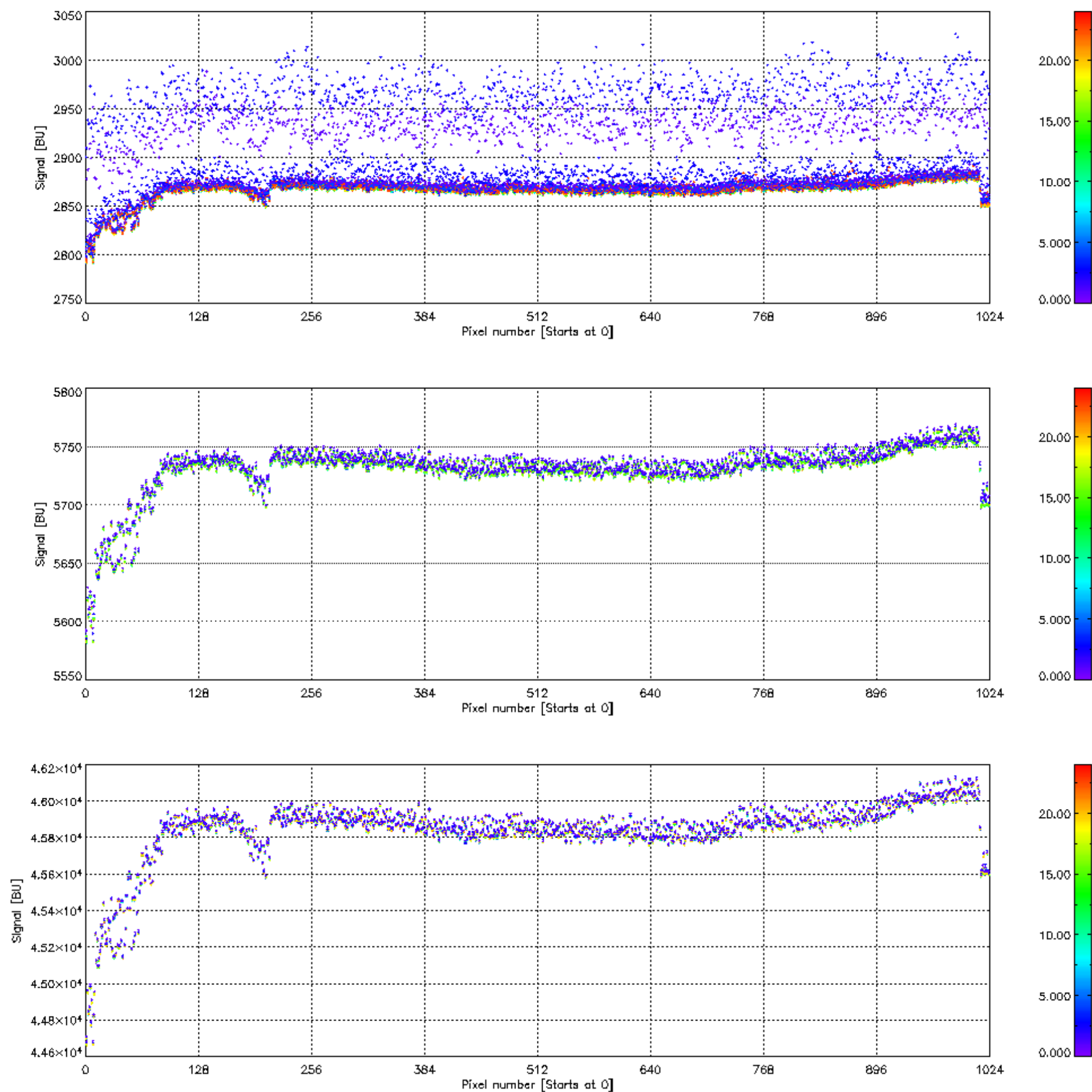


sciamachy_daily_report_level1_SCIA_6_03_N_20080410_81.PNG

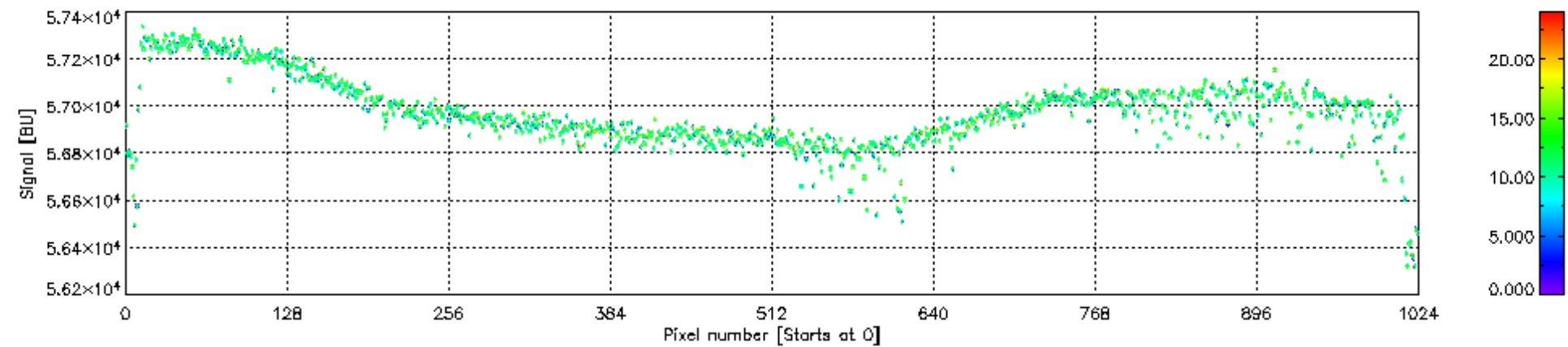
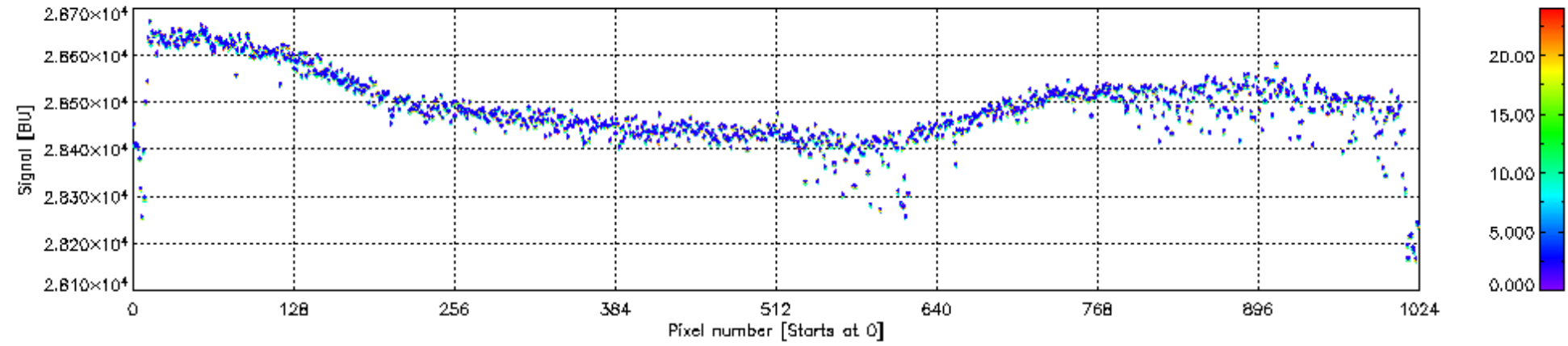
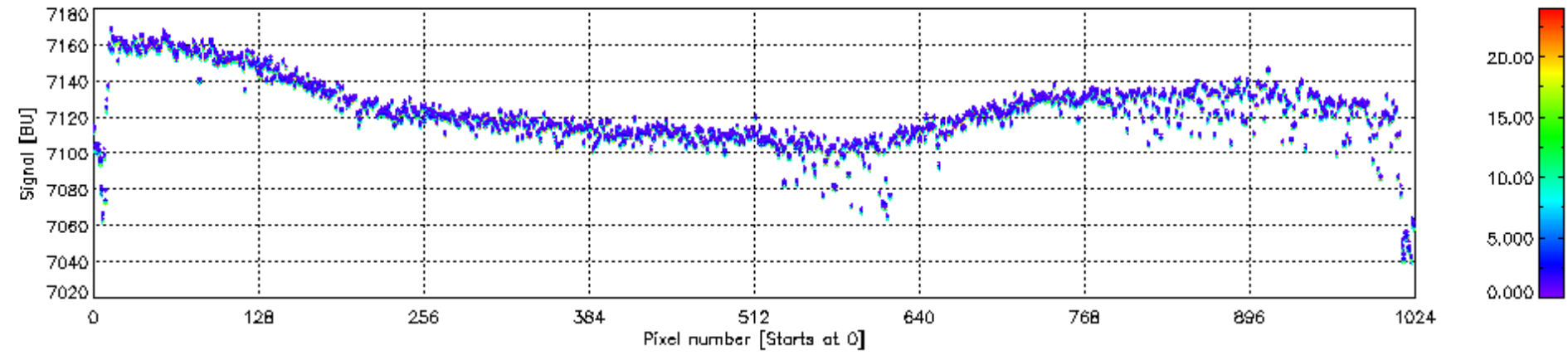
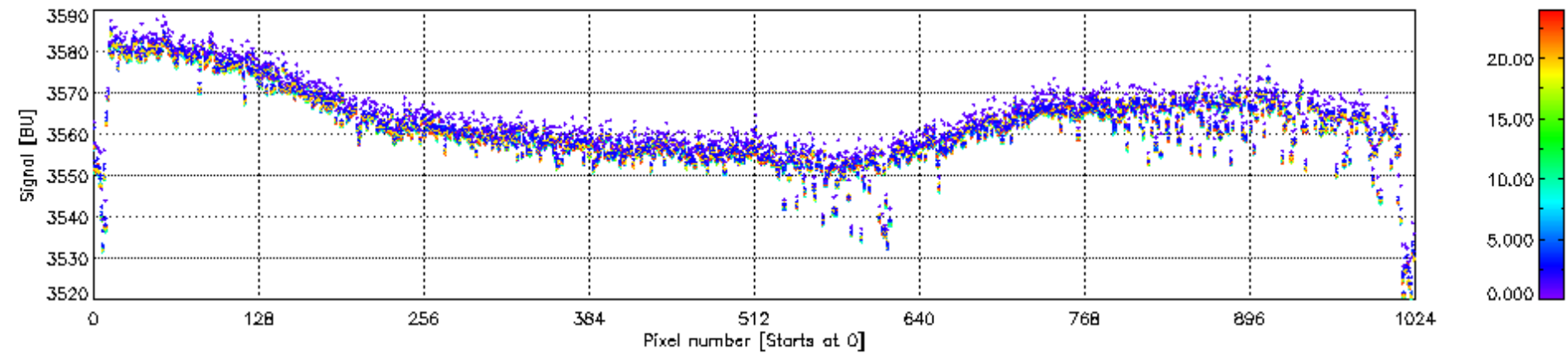
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 1 on 10APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 10APR2008 00:00:00



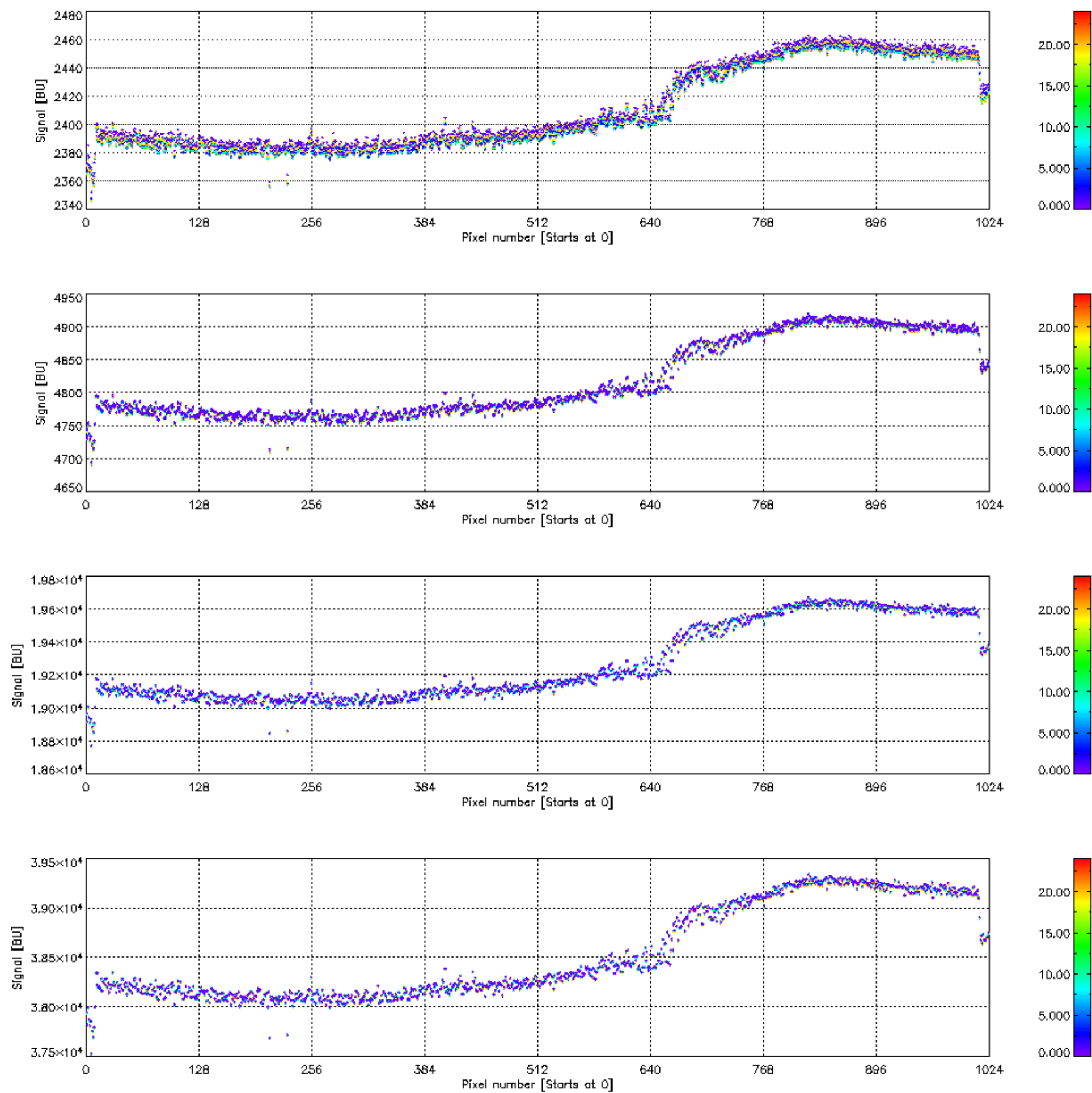
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 2 on 10APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 10APR2008 00:00:00



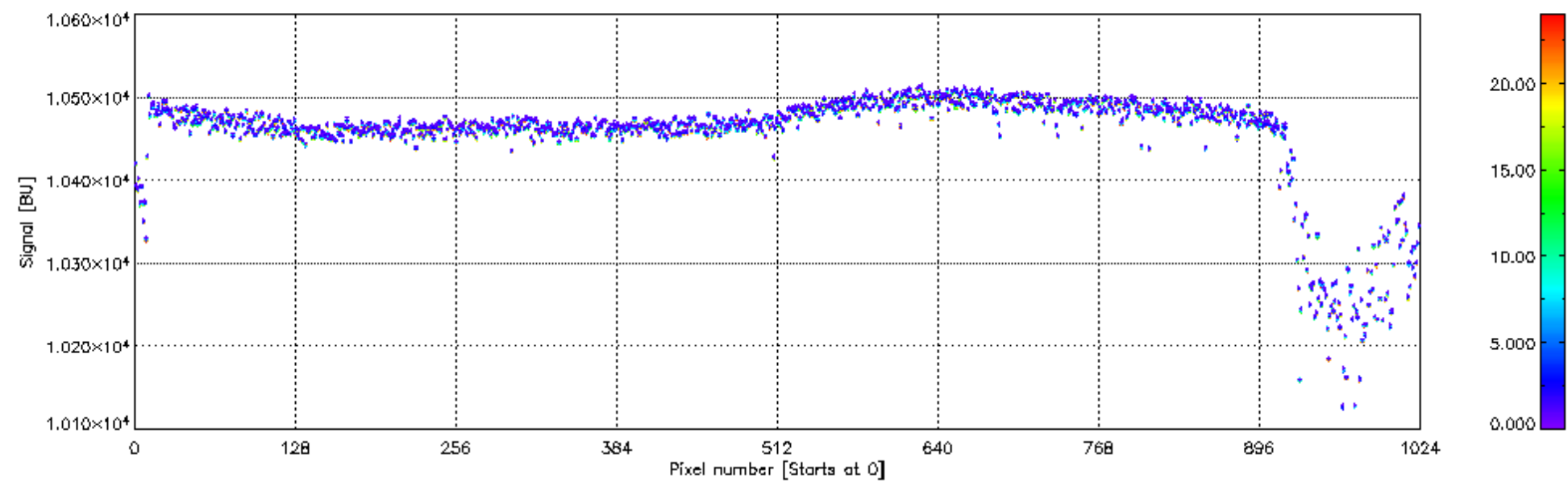
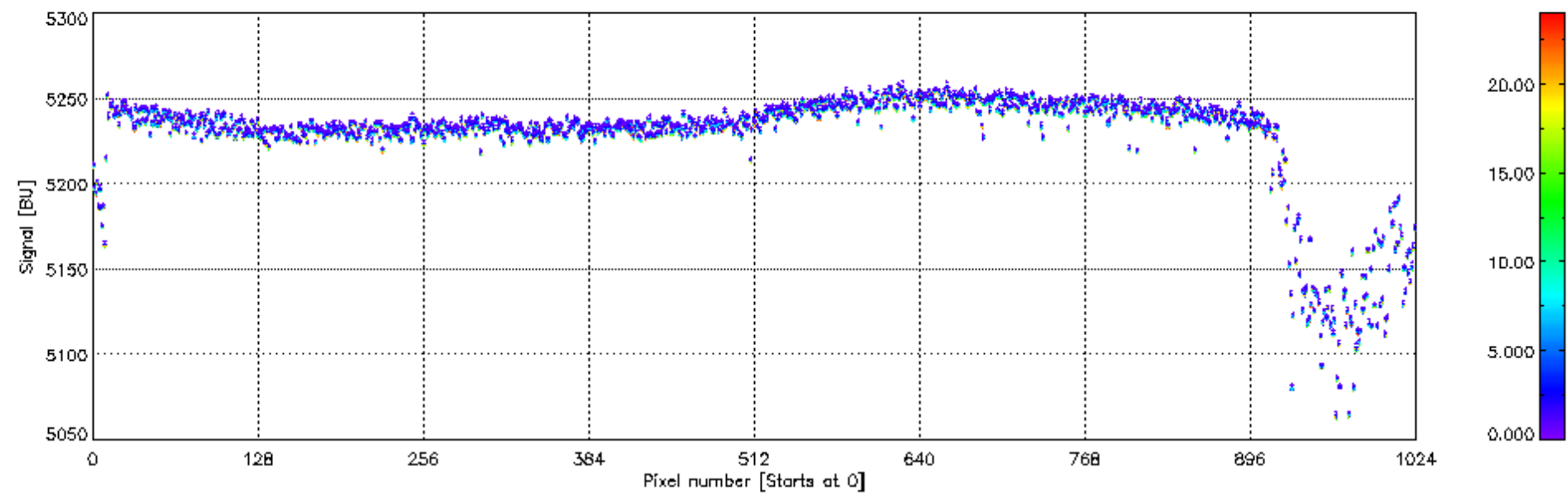
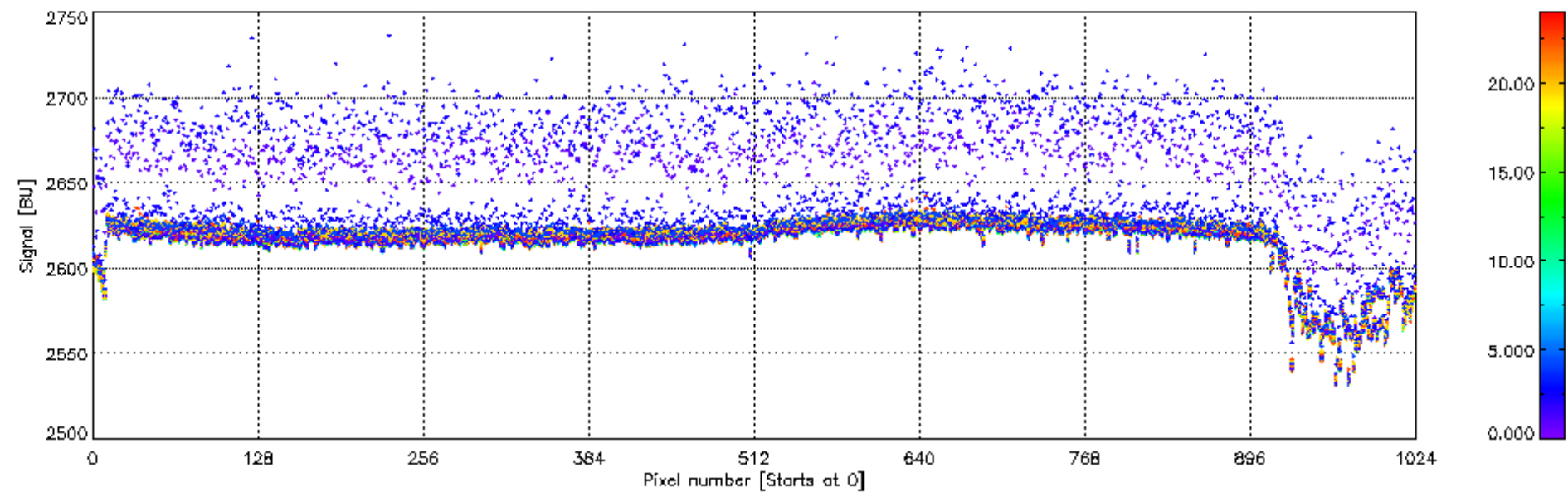
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 3 on 10APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 10APR2008 00:00:00



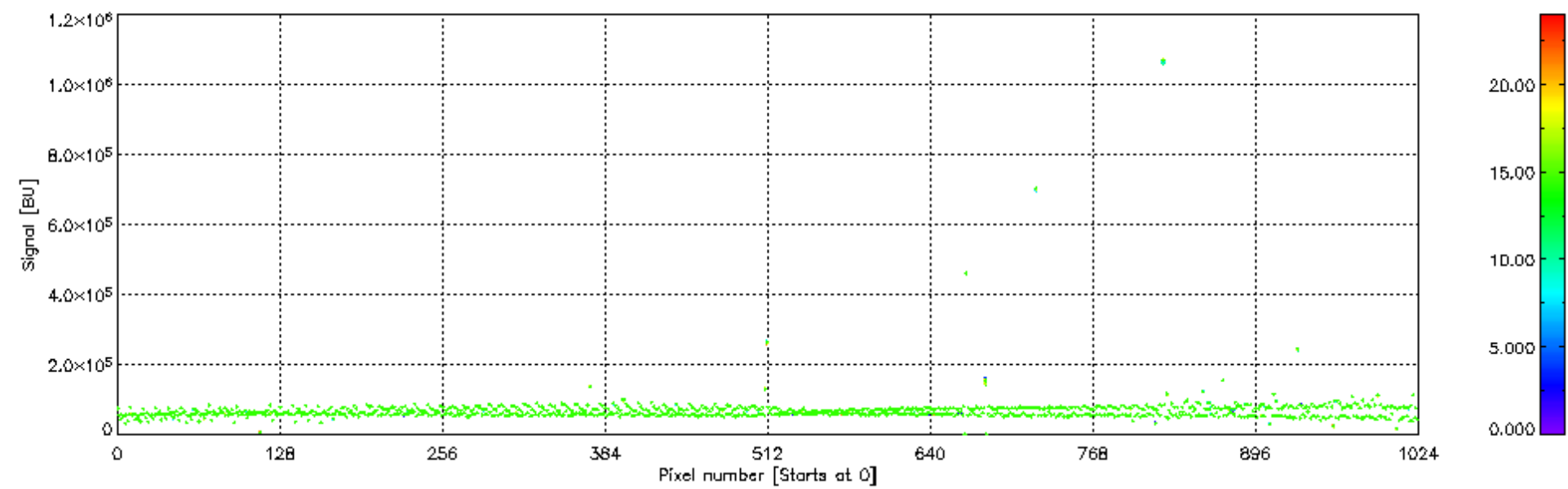
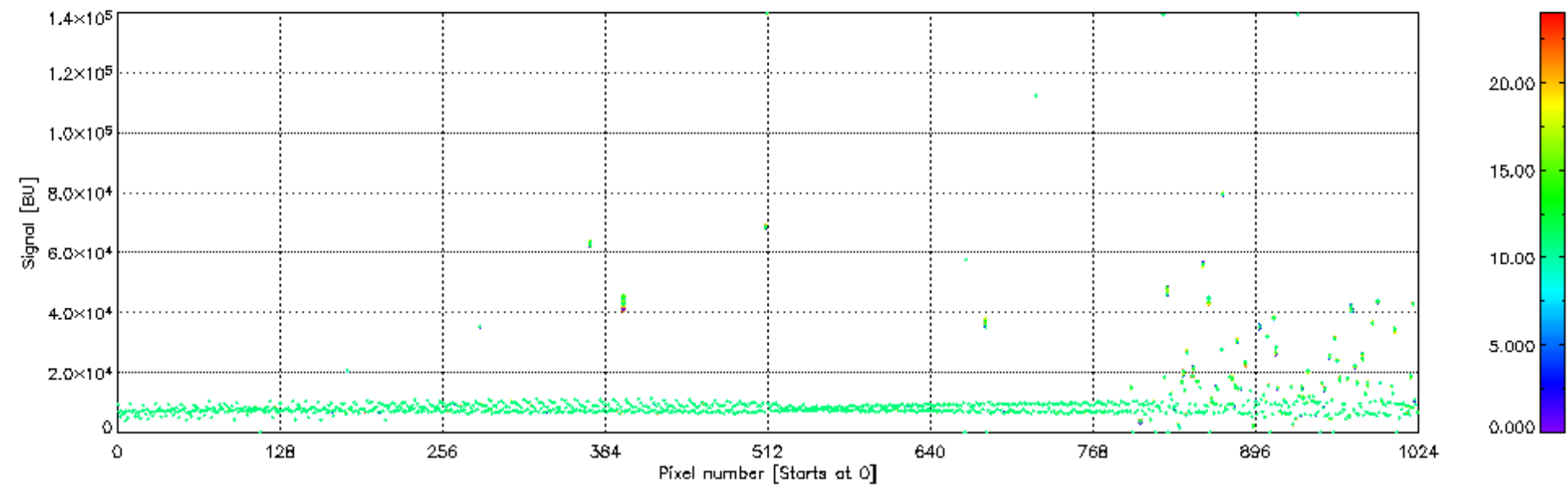
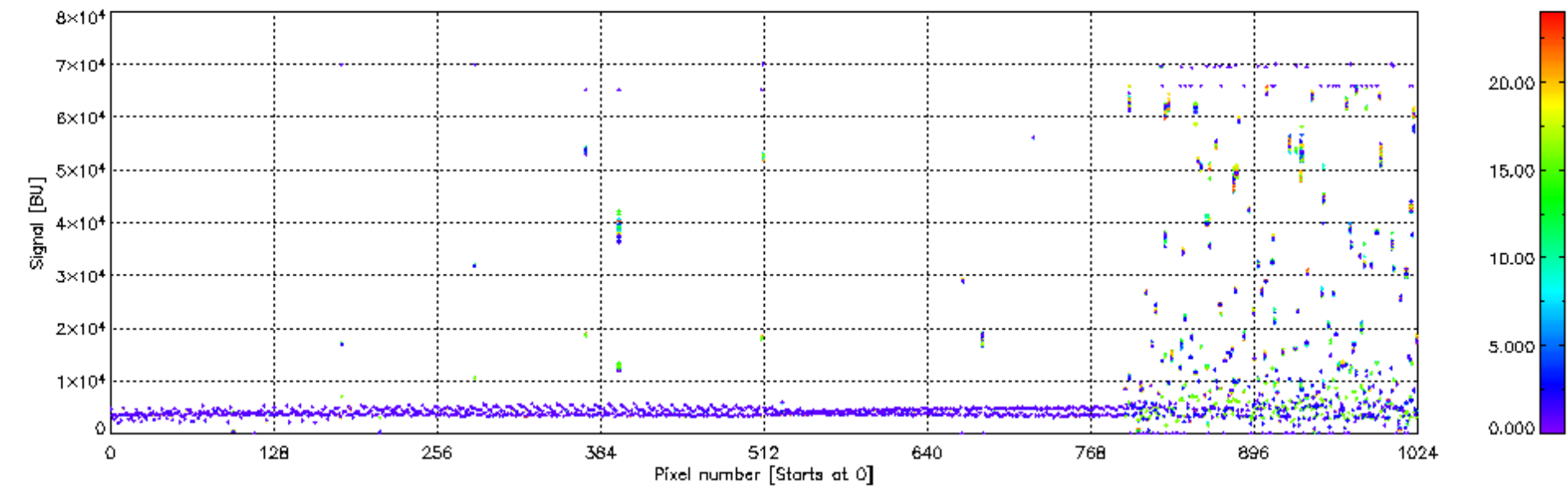
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 4 on 10APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 10APR2008 00:00:00



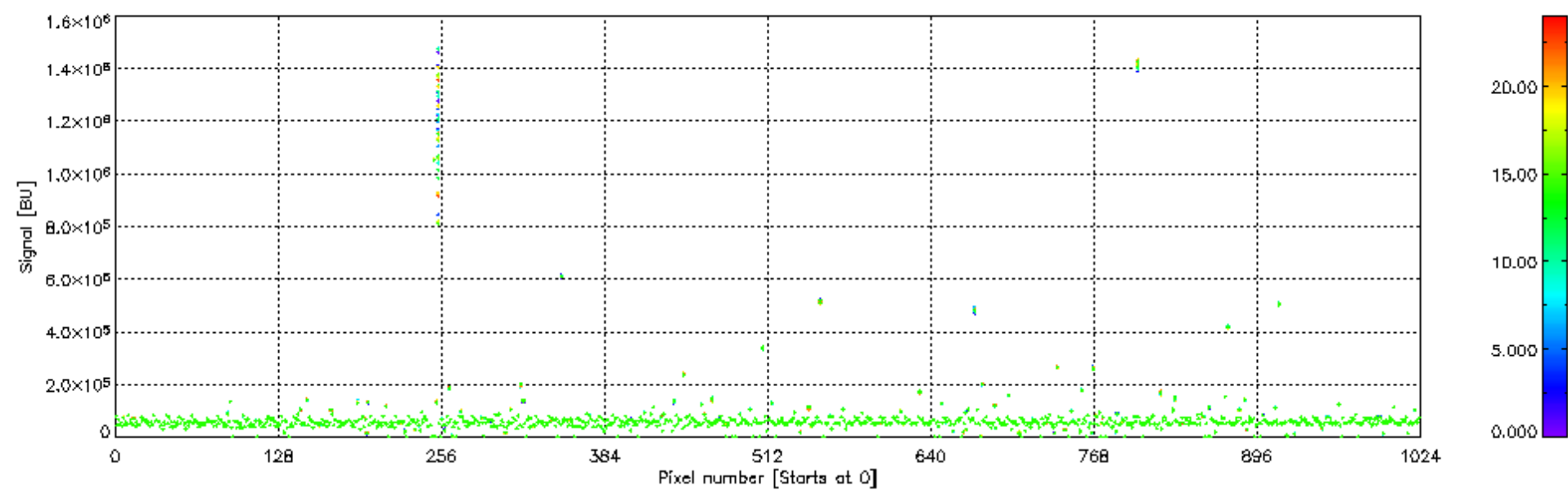
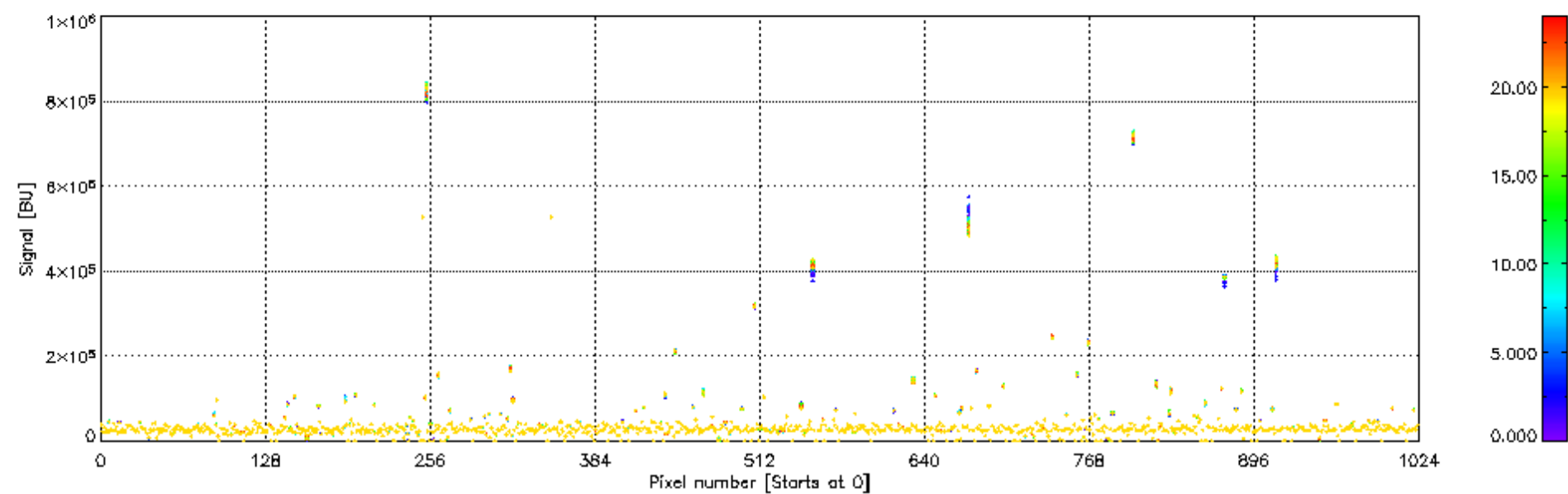
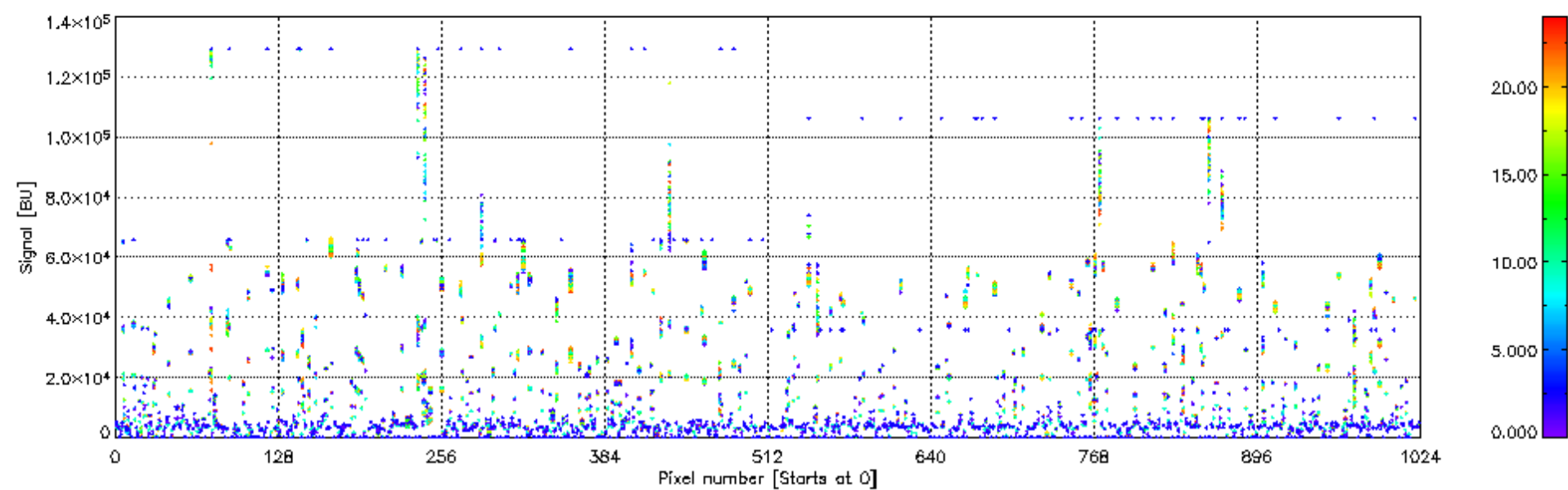
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 5 on 10APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 10APR2008 00:00:00



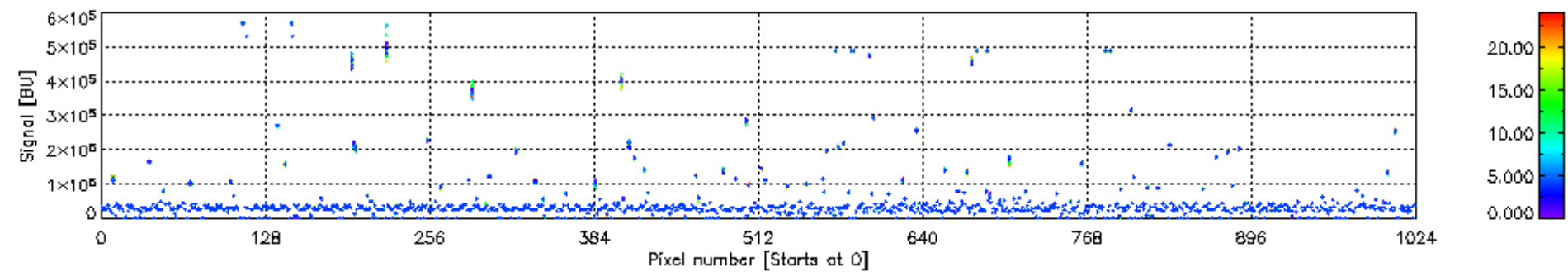
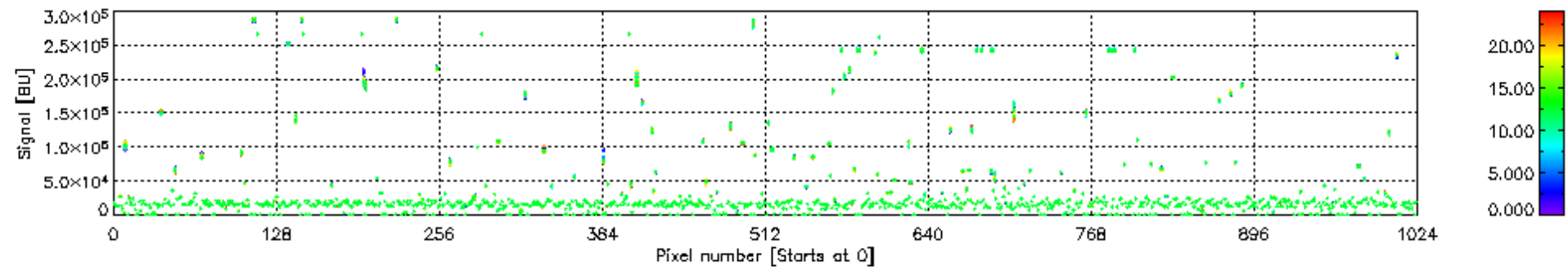
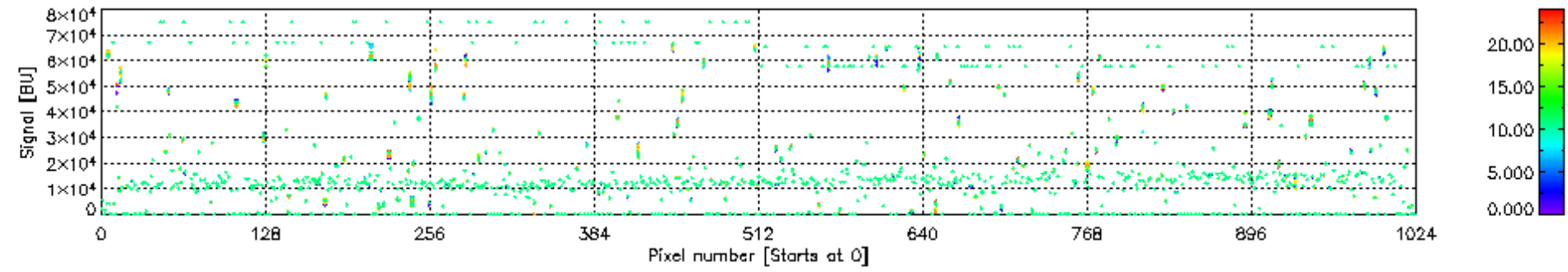
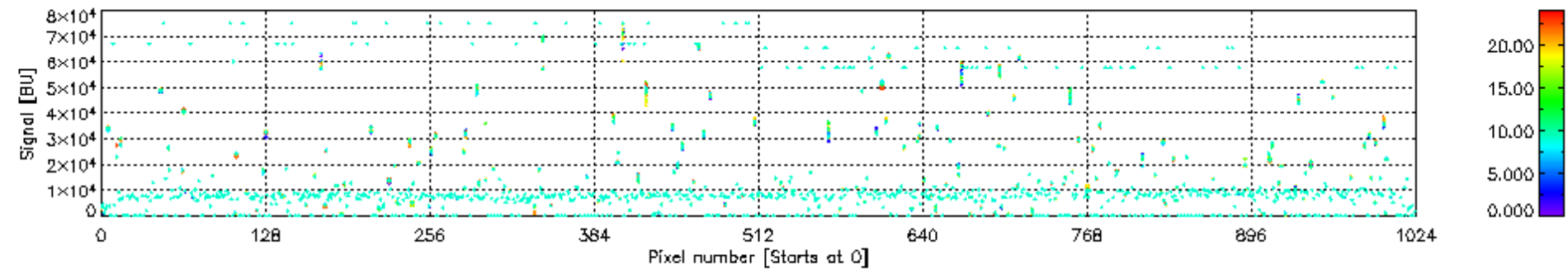
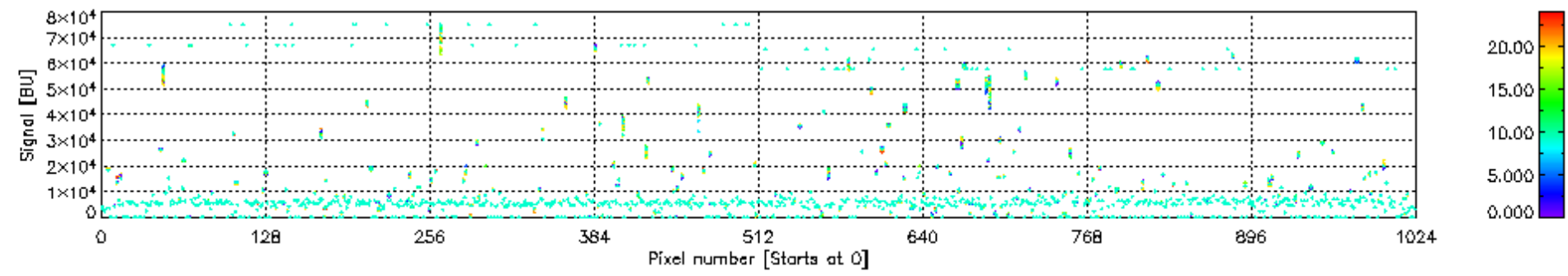
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 6 on 10APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 10APR2008 00:00:00



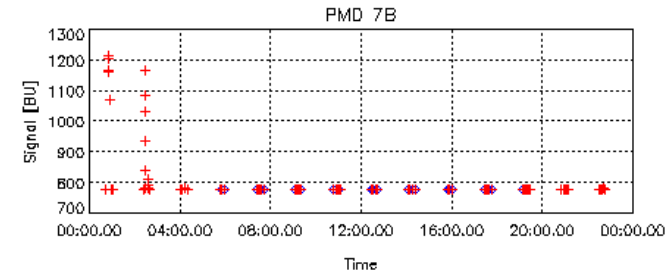
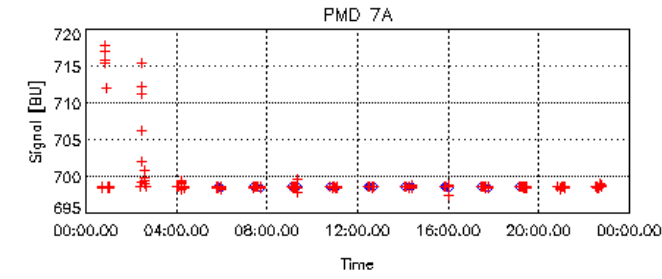
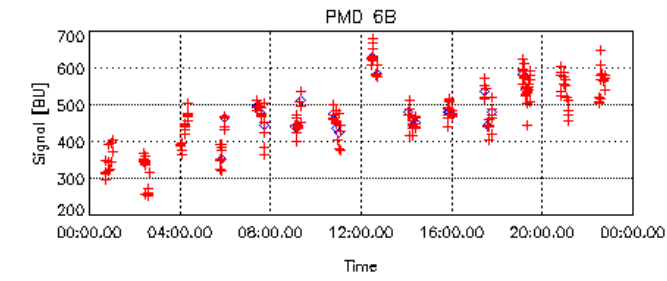
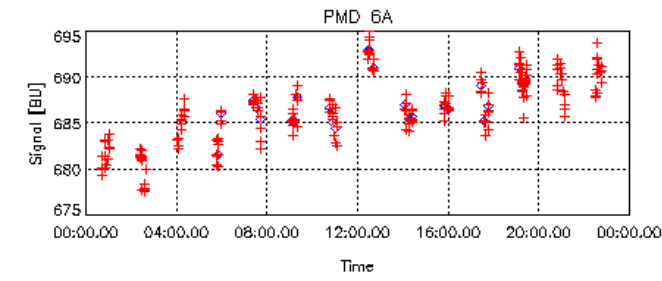
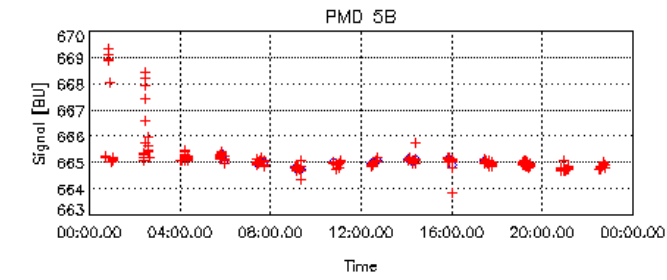
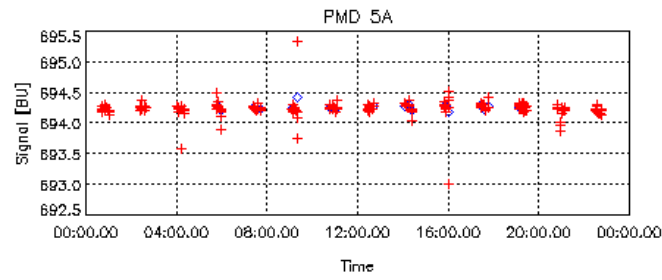
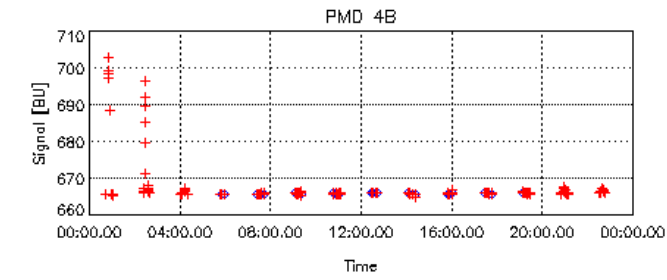
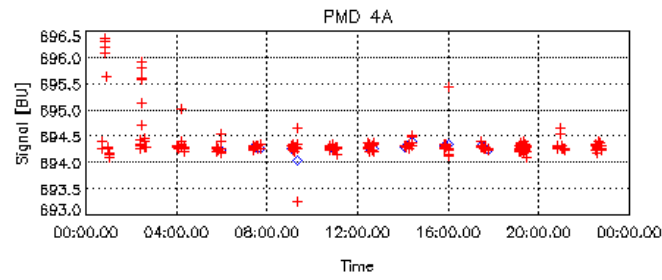
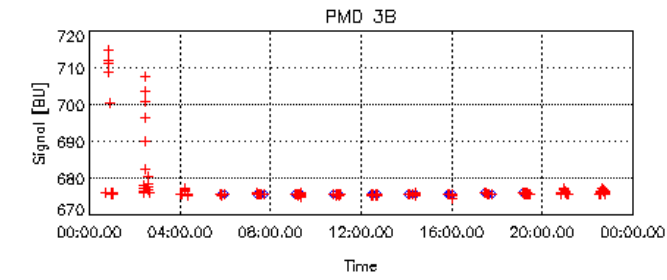
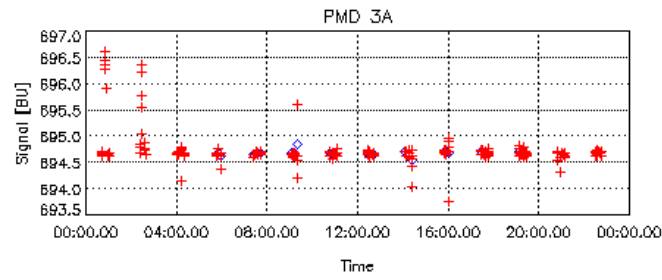
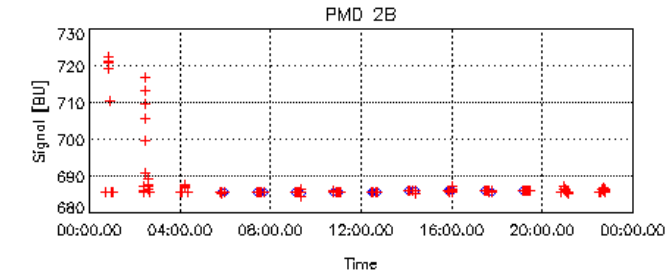
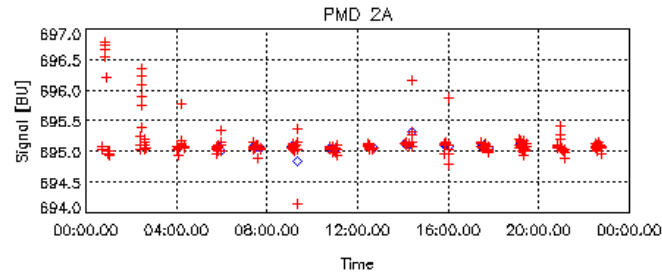
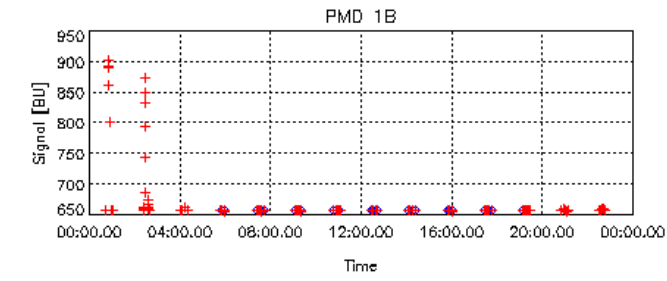
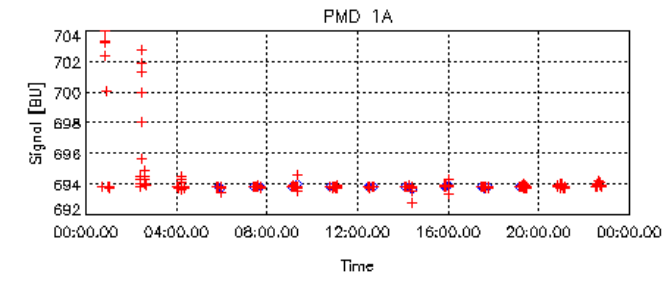
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 7 on 10APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 10APR2008 00:00:00

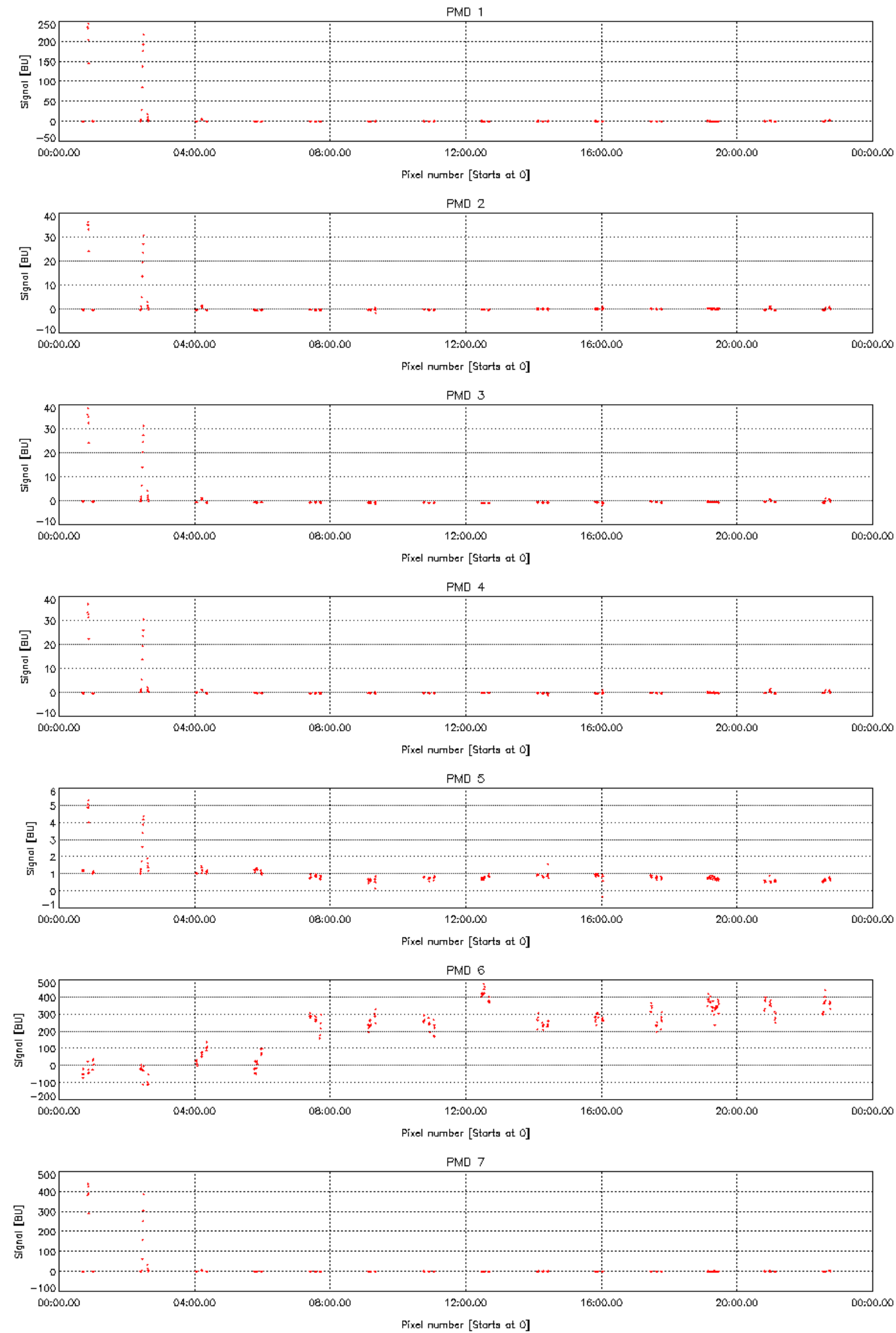


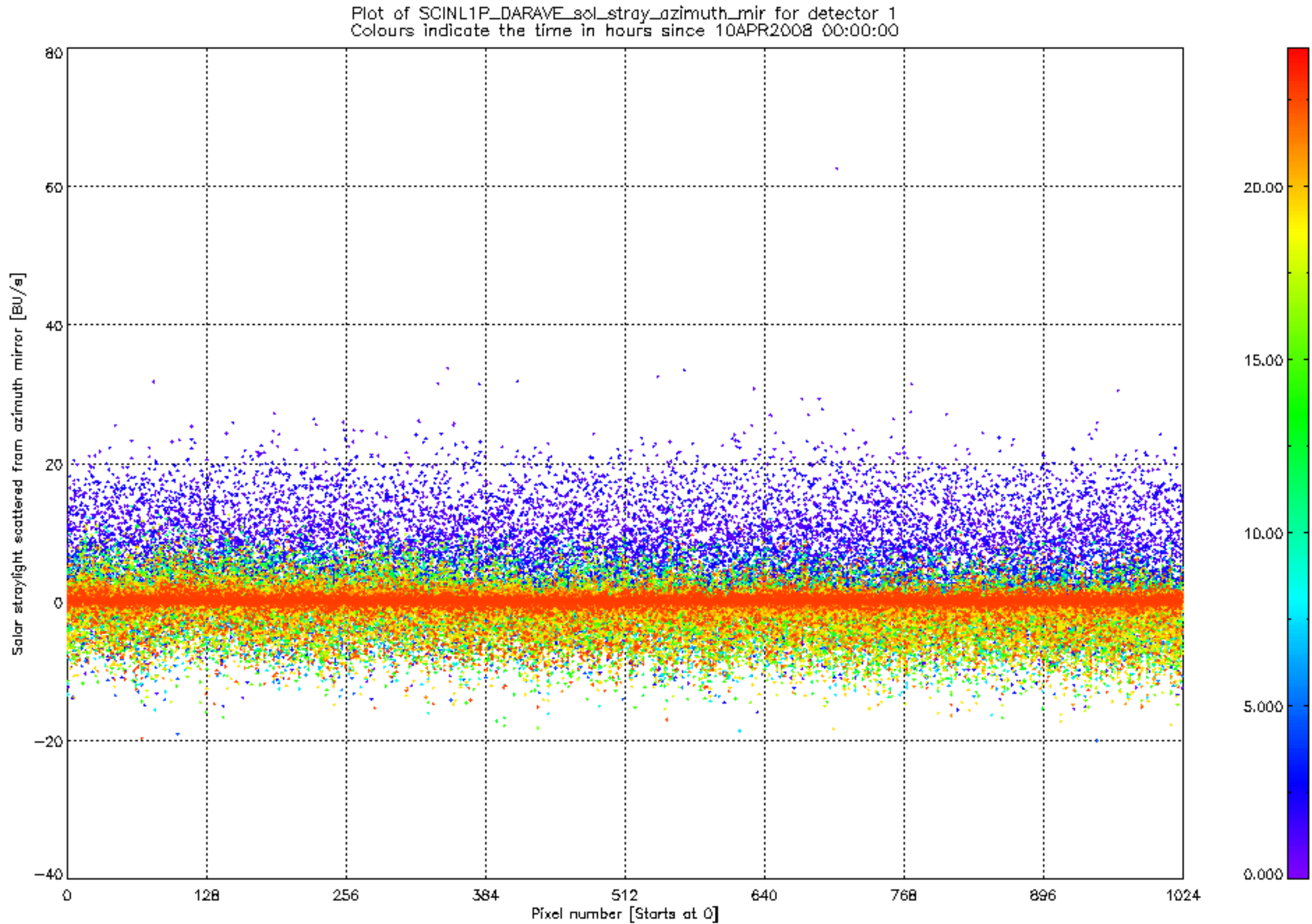
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 8 on 10APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 10APR2008 00:00:00

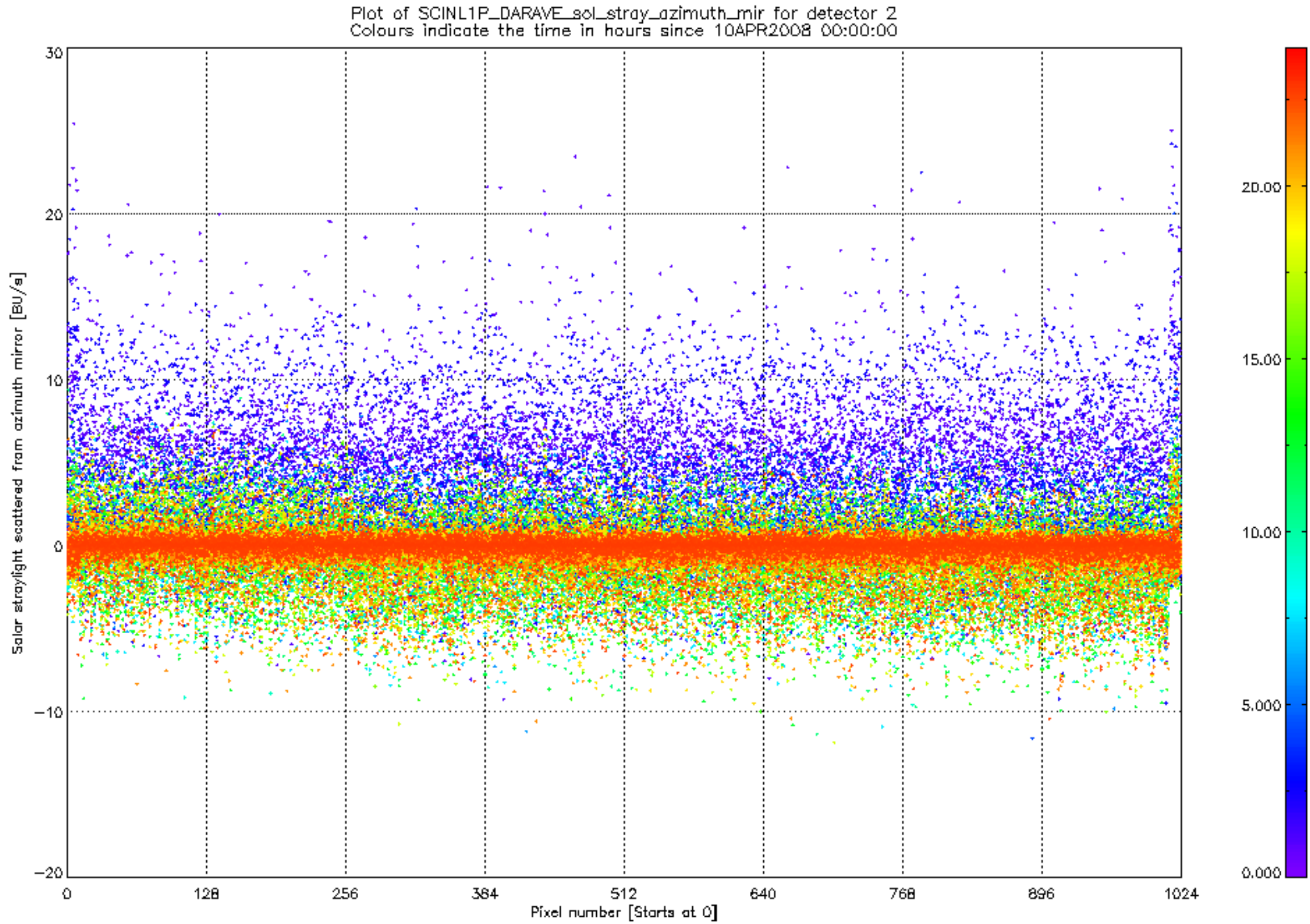


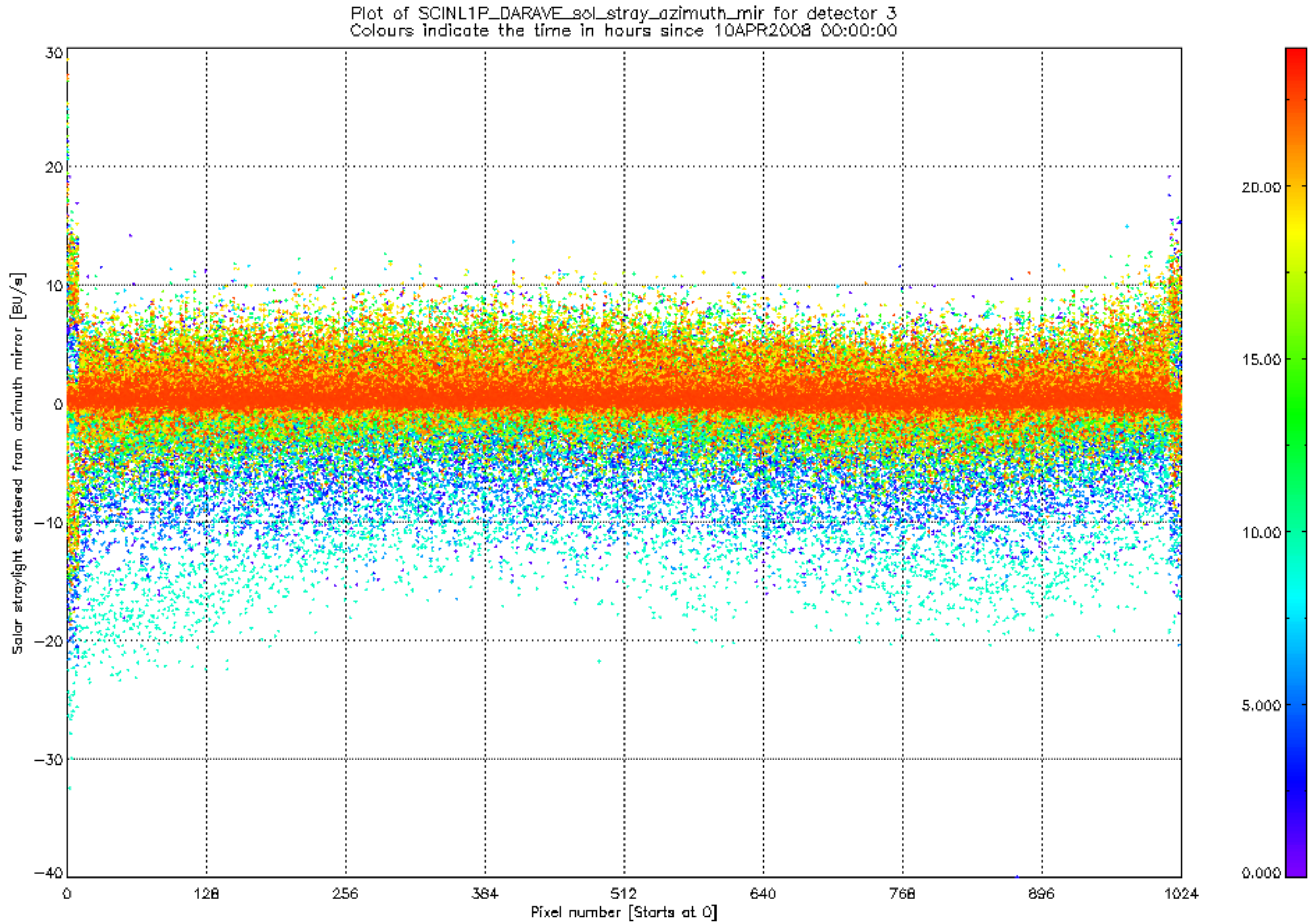
Plots of SCINL1P_DARAVE_pmd_dark_offset vs time on 10APR2008 (red).
New leakage current offset data is given in blue for comparison.

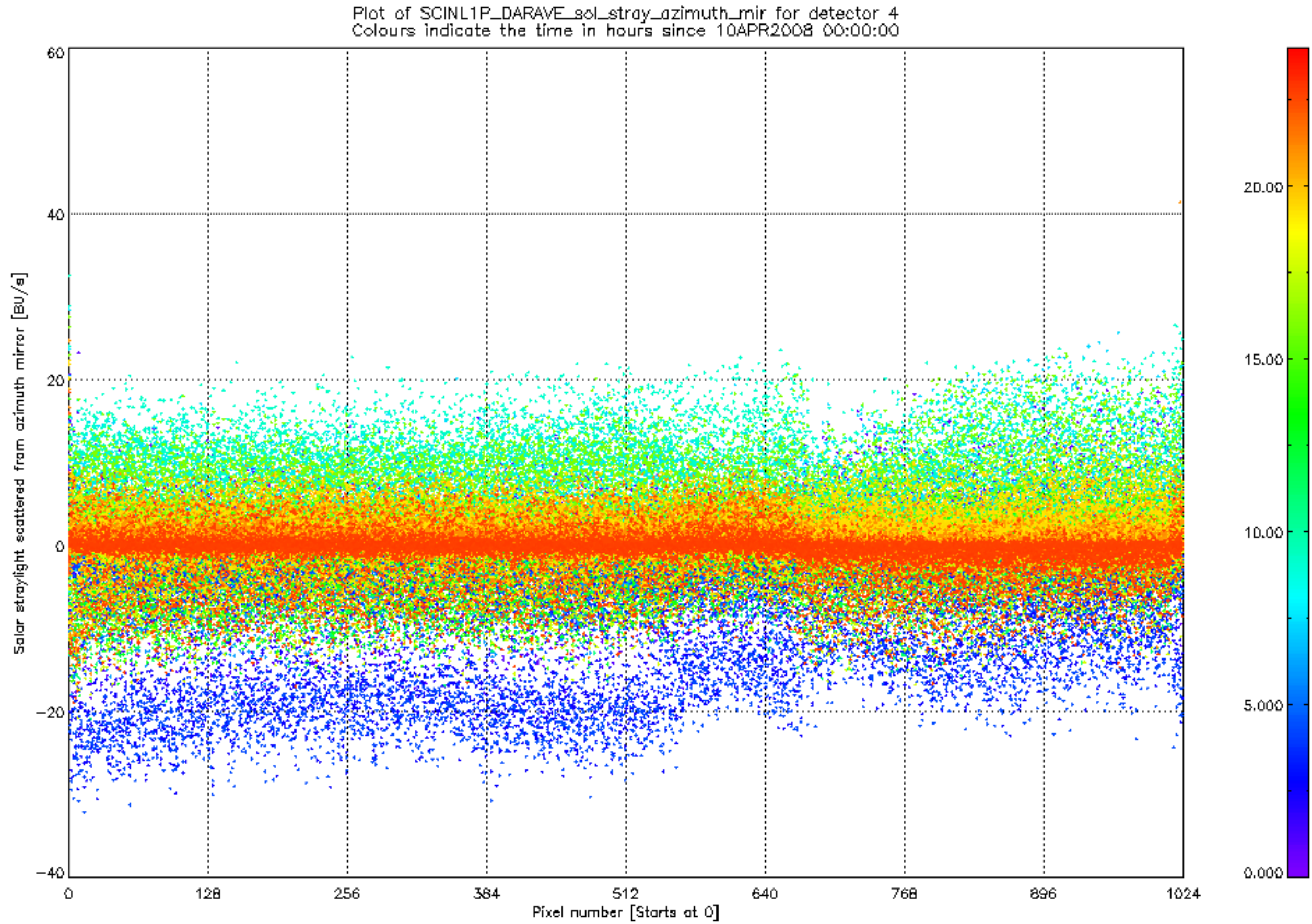


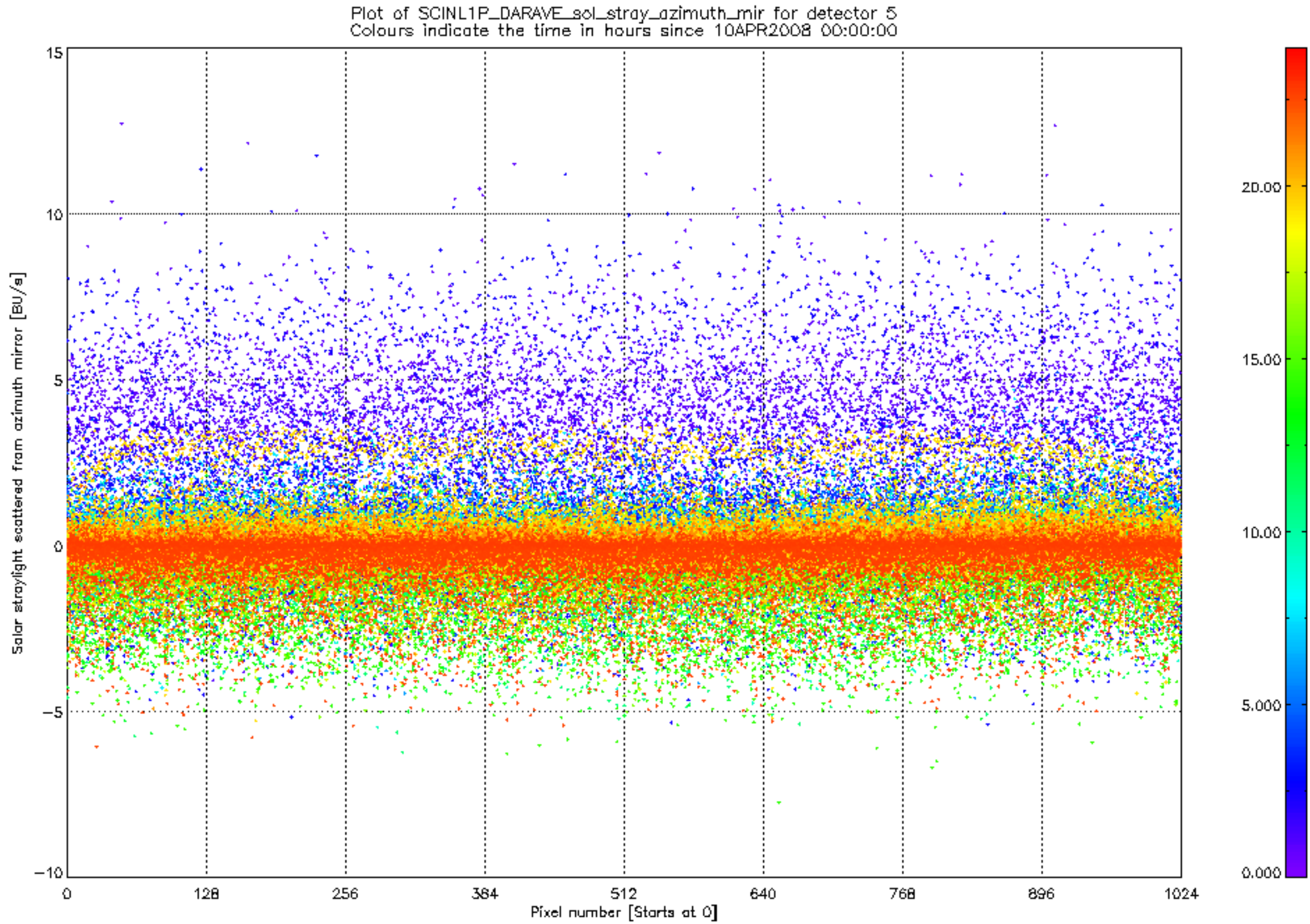


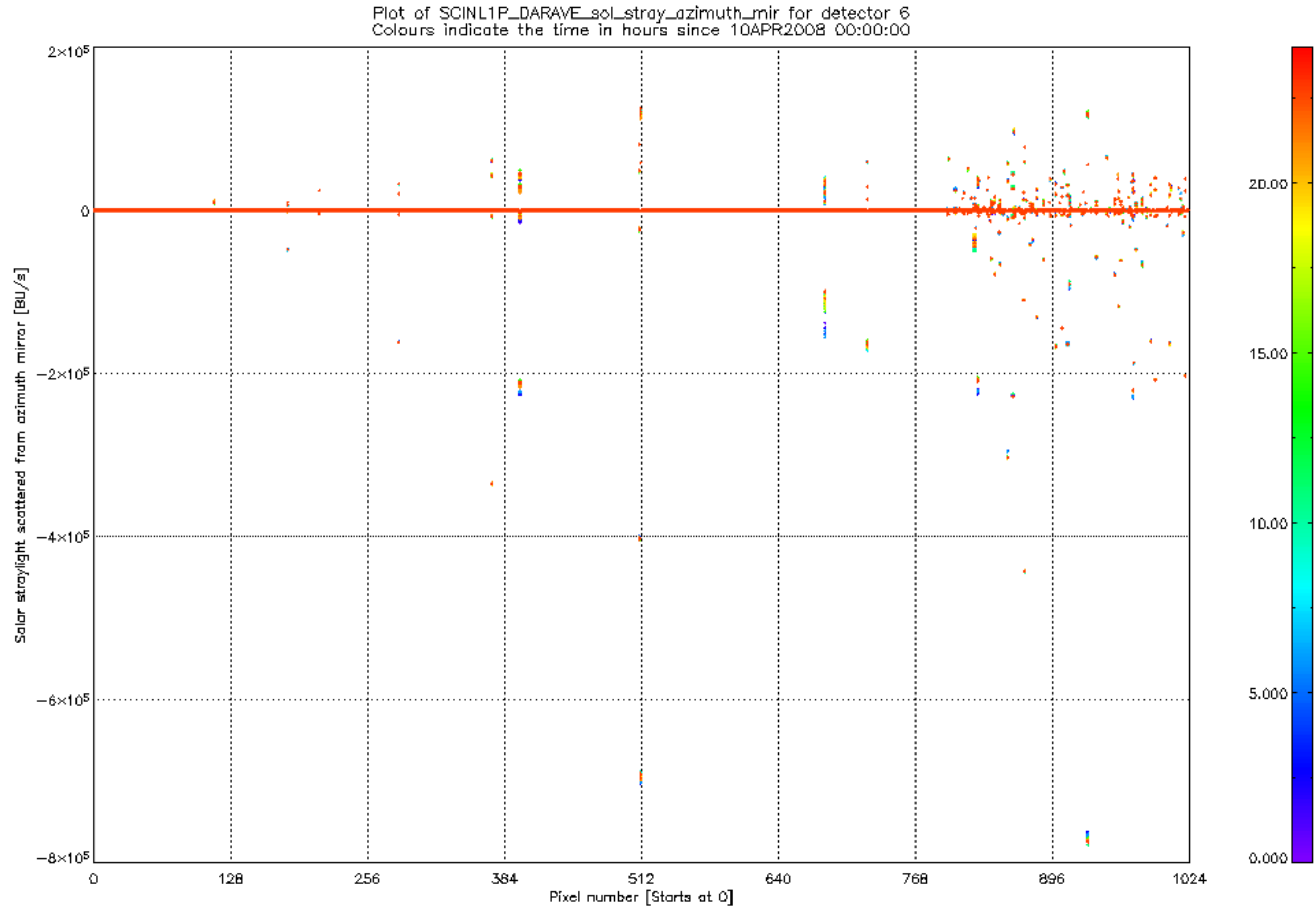




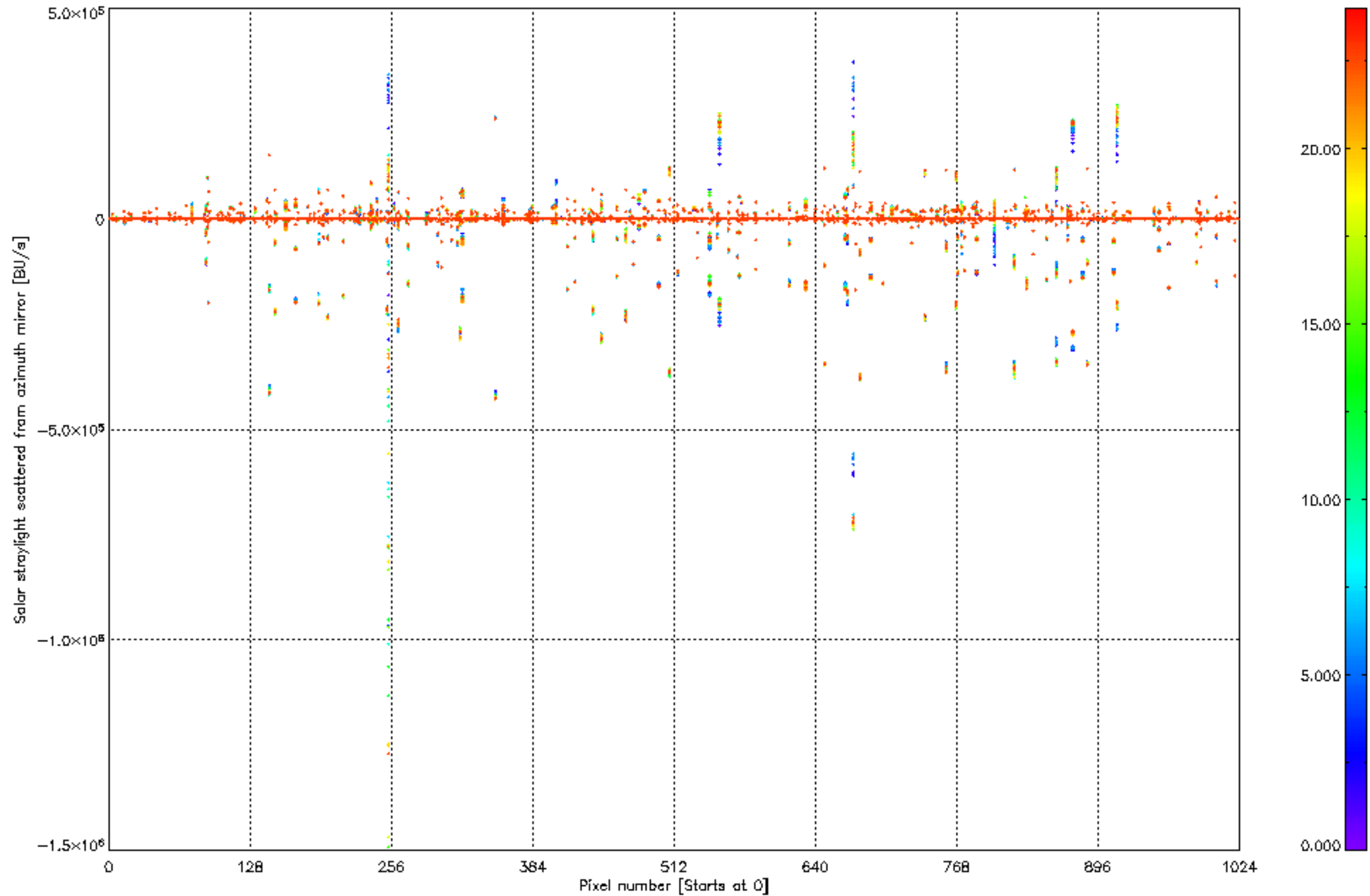


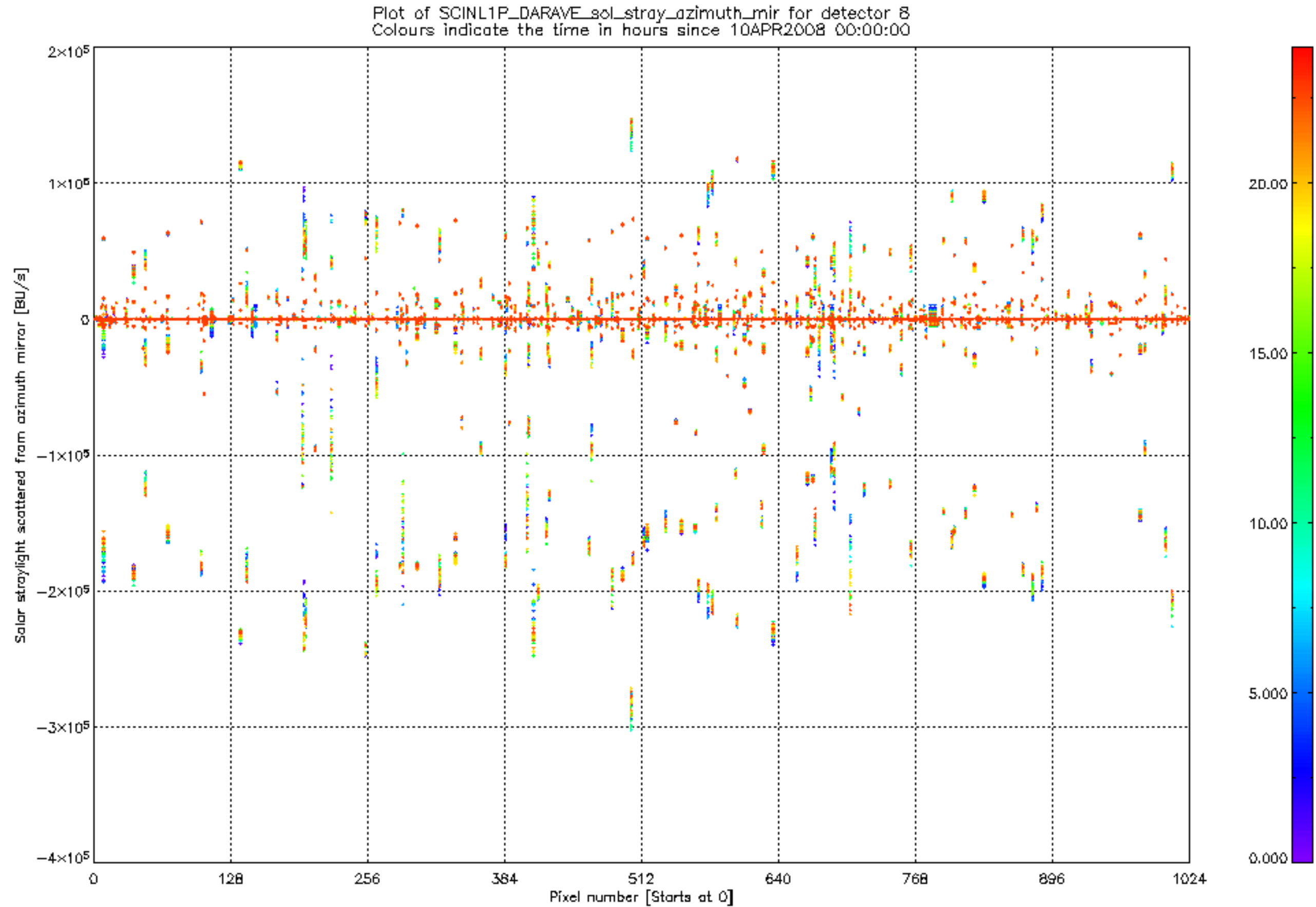




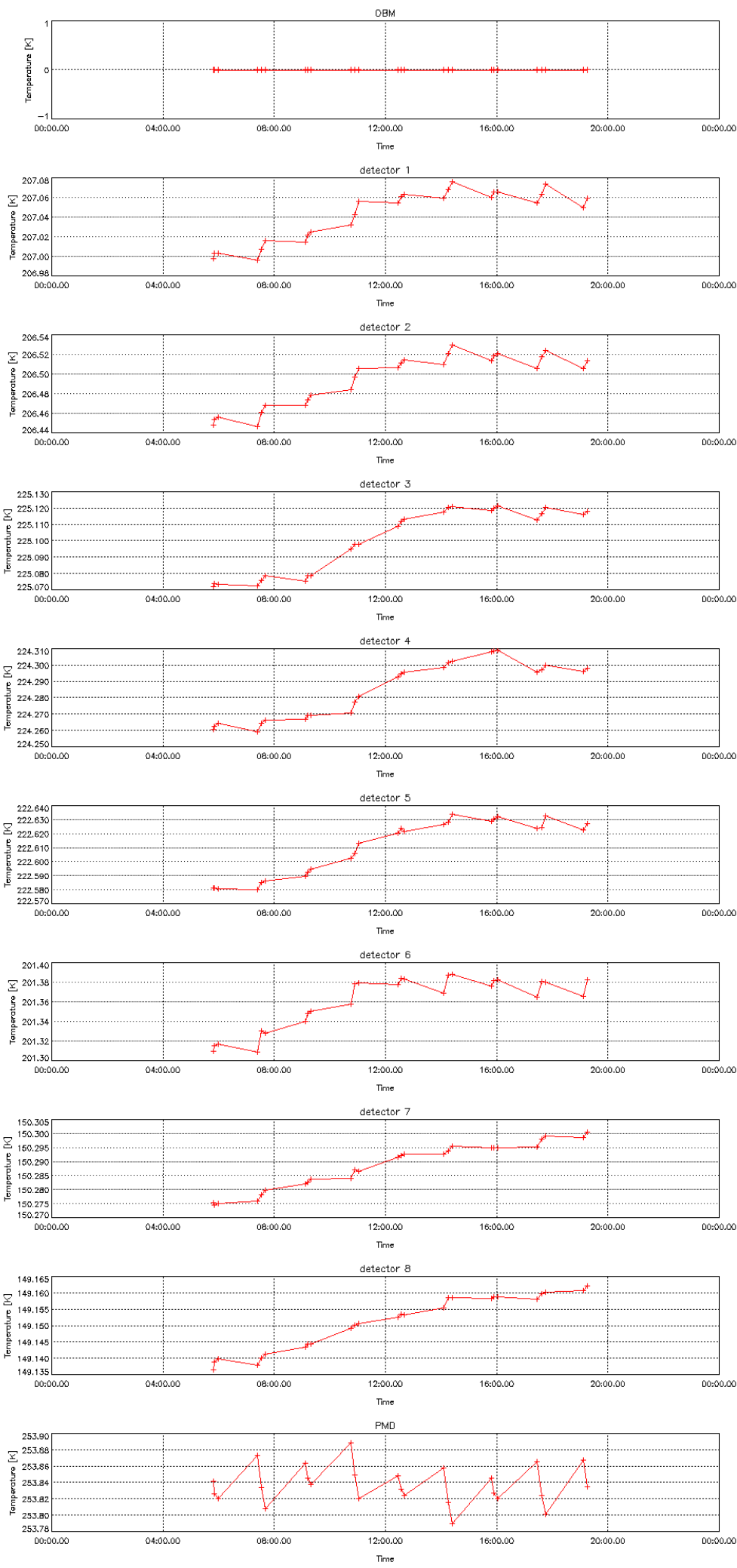


Plot of SCINL1P_DARAVE_sol_stray_azimuth_mir for detector 7
Colours indicate the time in hours since 10APR2008 00:00:00

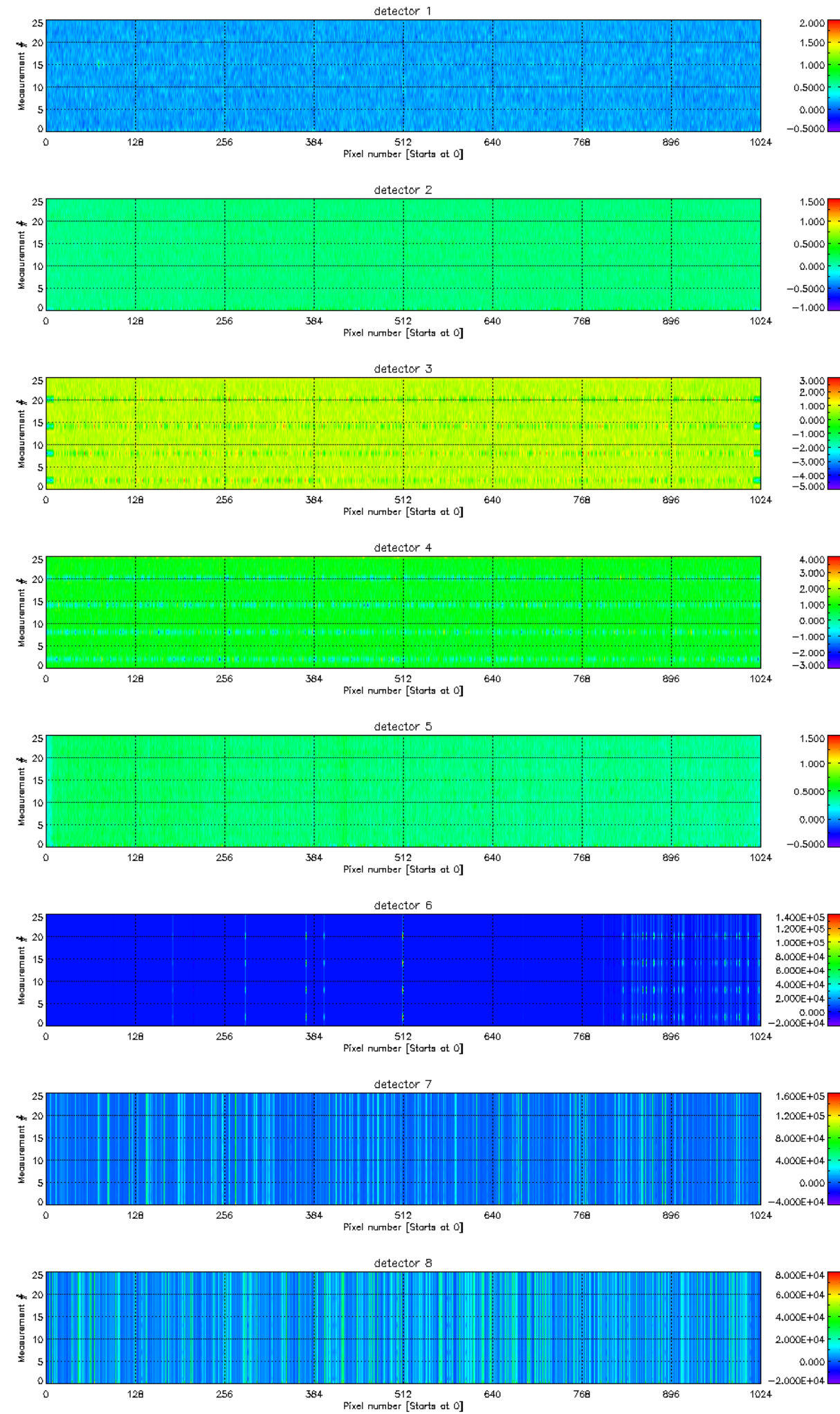




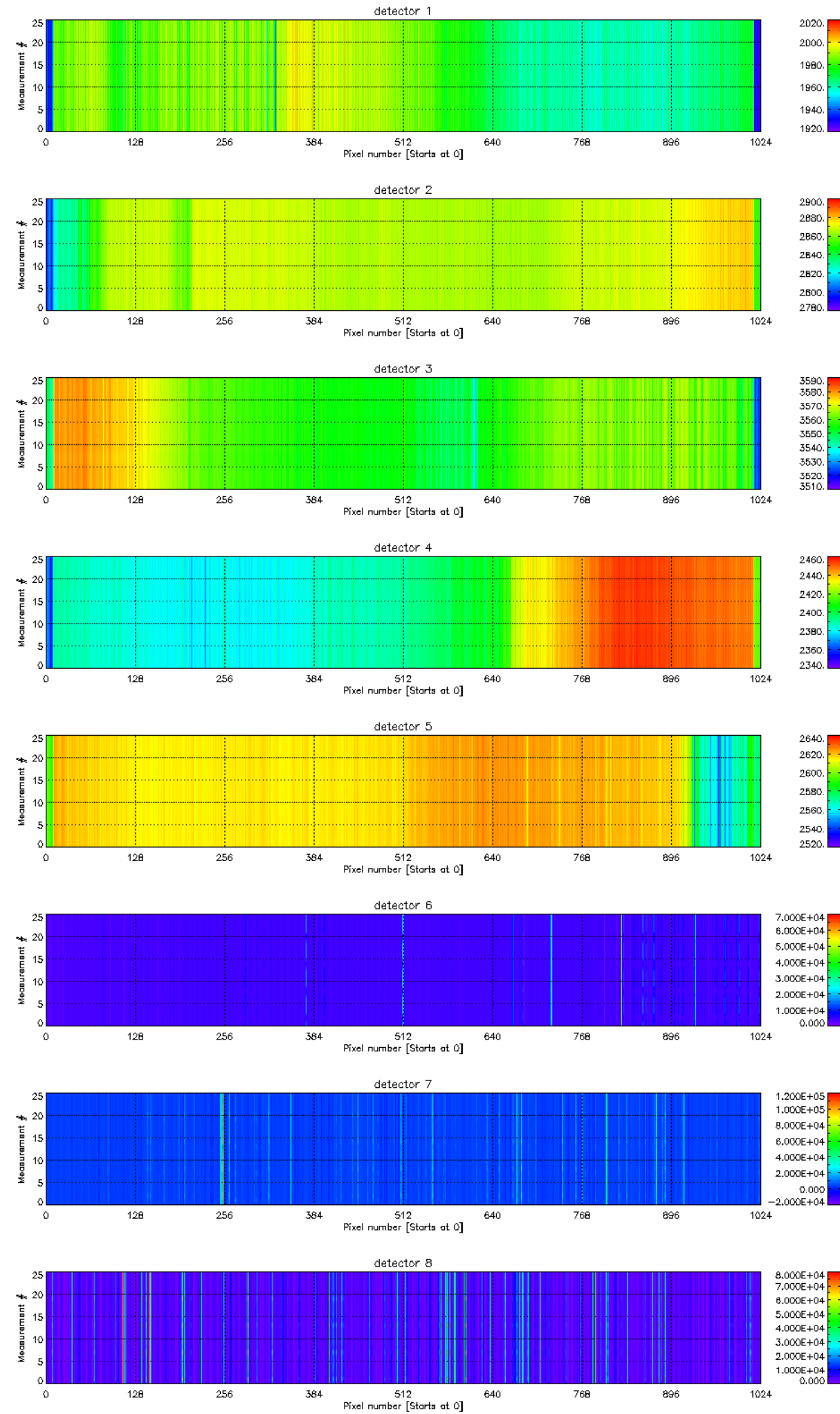
Plots of SCINL1P_NEWLEA_obm_det_prnd temperatures vs time on 10APR2008.



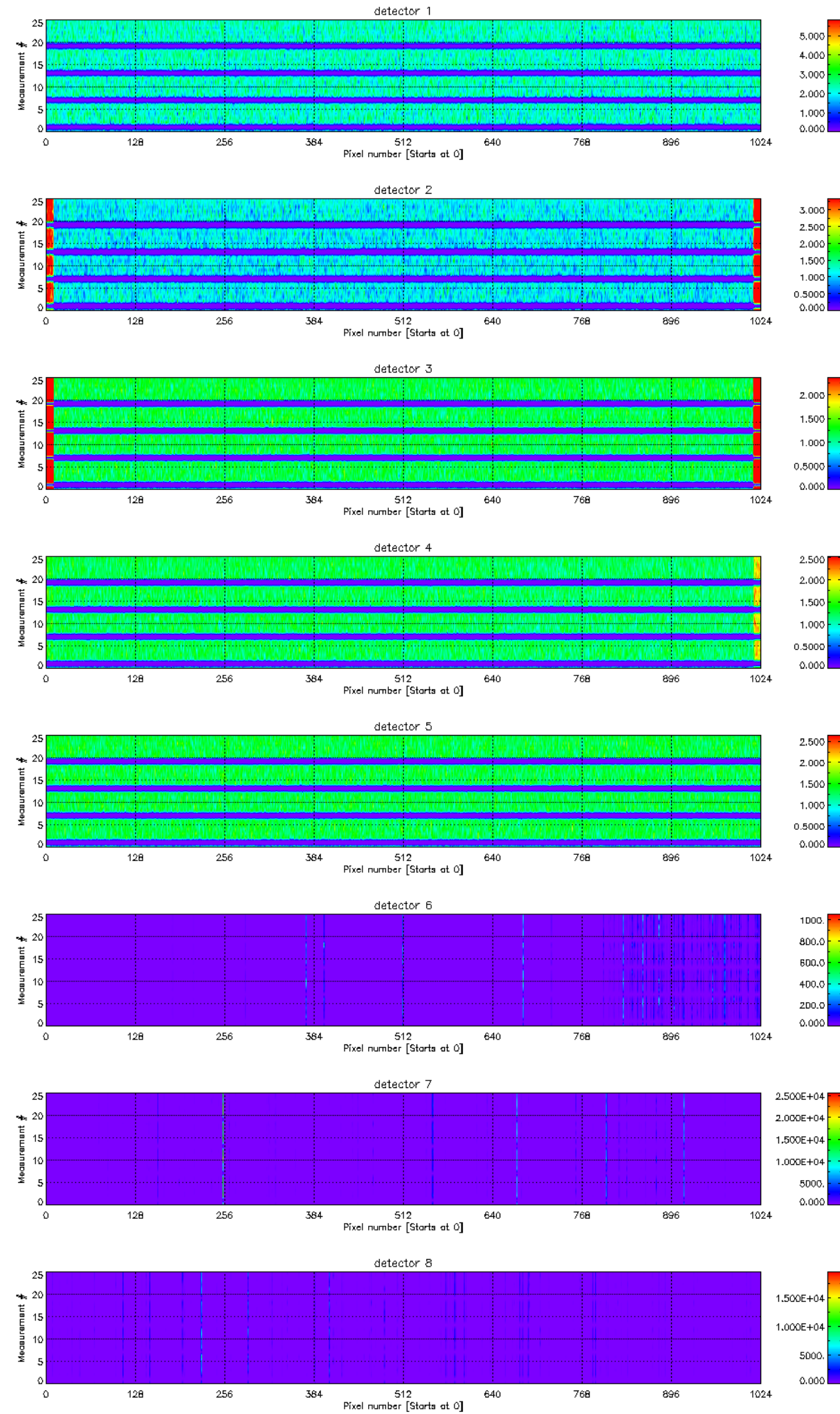
Plots of SCINL1P_NEWLEA_leak_cur for various detectors on 10APR2008.
Colours indicate the value in BU/s.



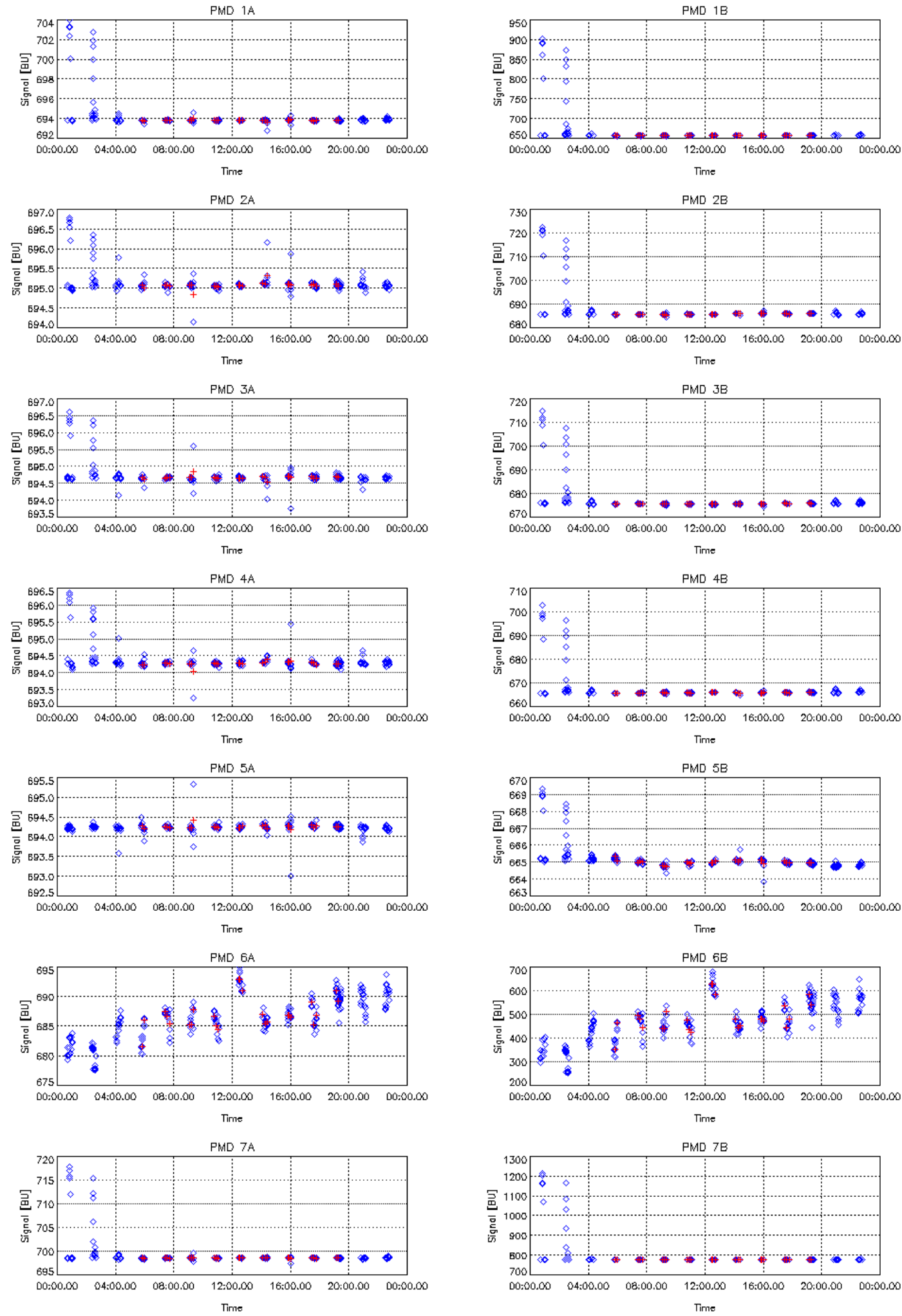
Plots of SCINL1P_NEWLEA_fpn for various detectors on 10APR2008.
Colours indicate the value in BU.

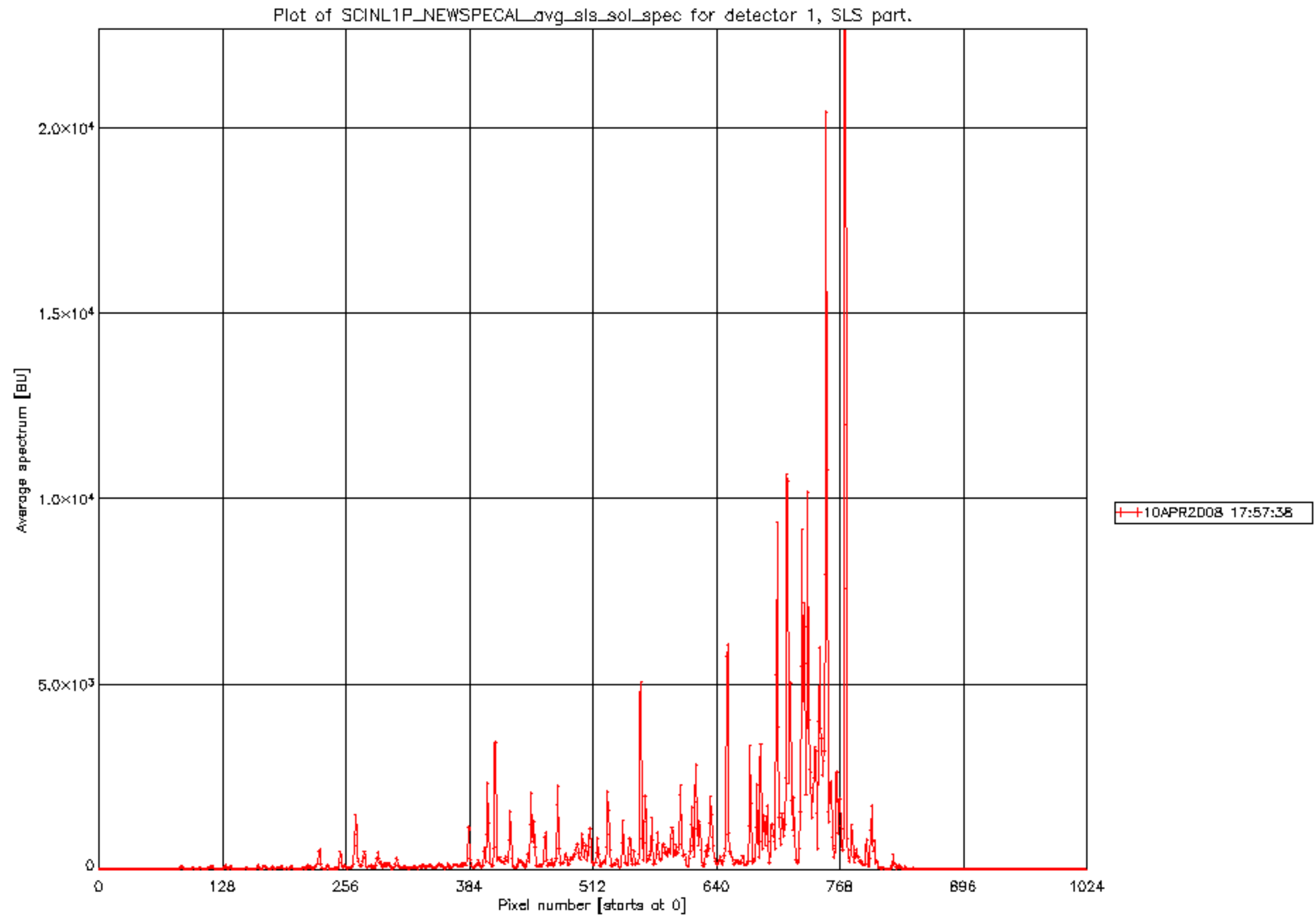


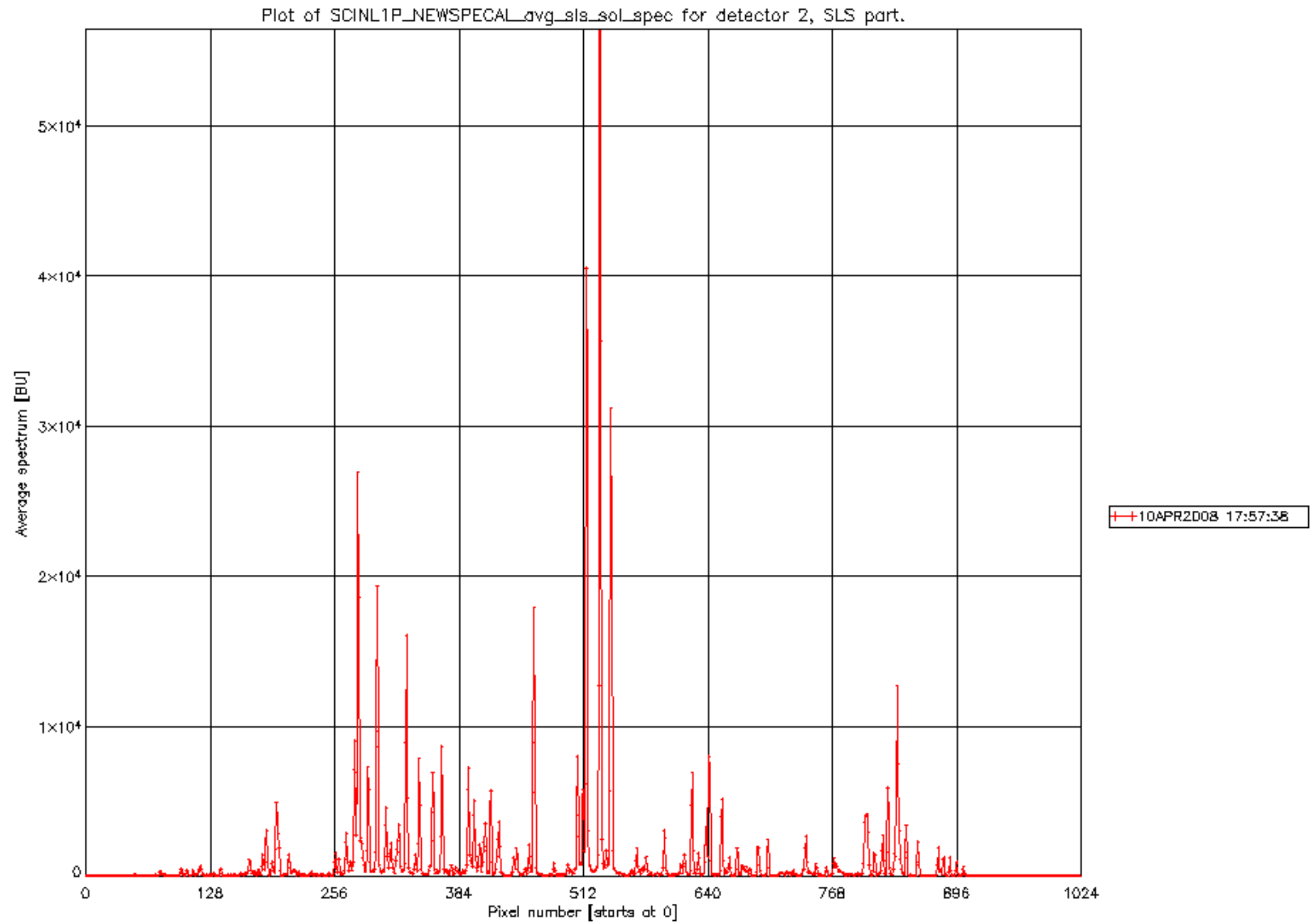
Plots of SCINL1P_NEWLEA_mean_noise for various detectors on 10APR2008.
Colours indicate the value in BU.

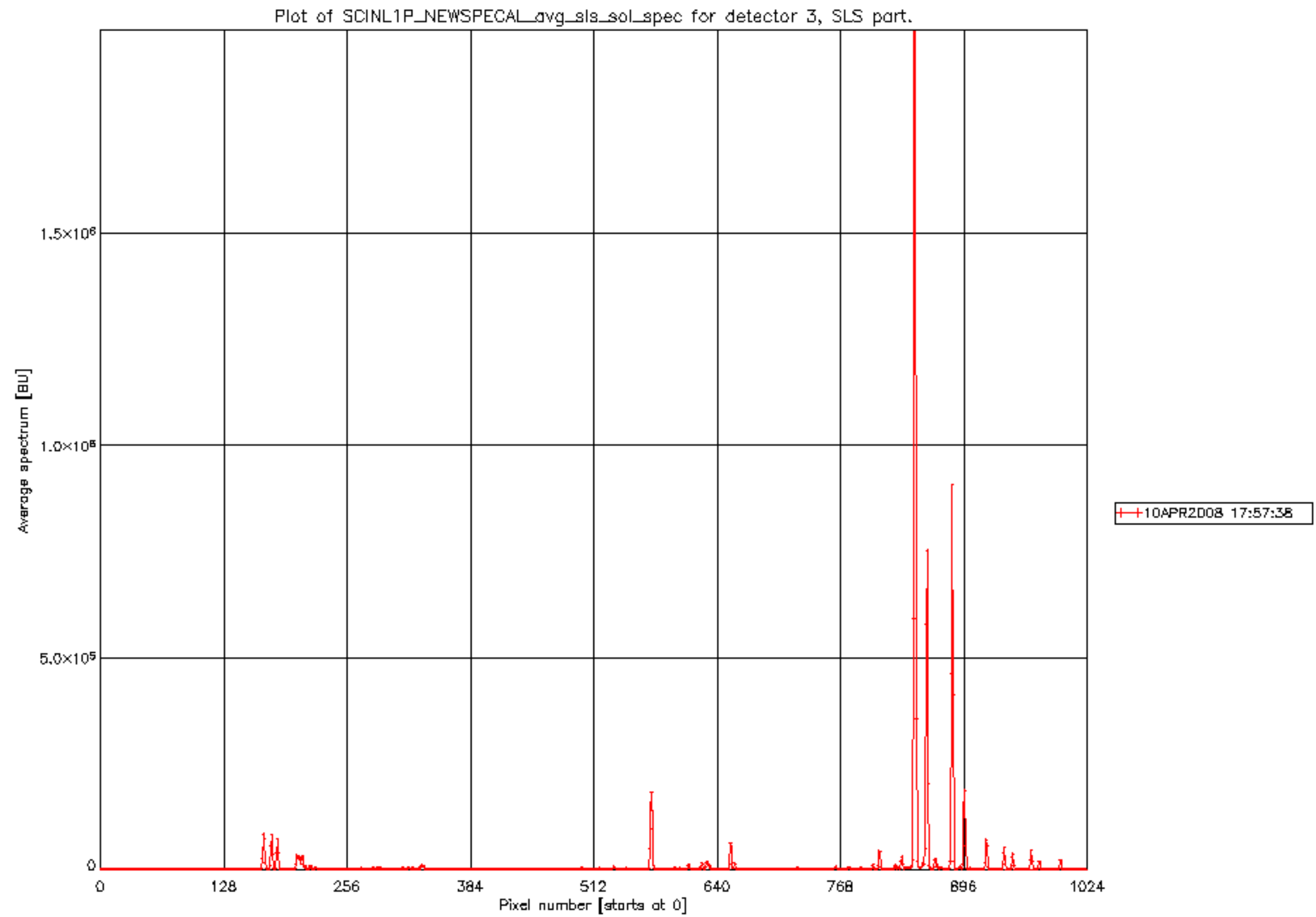


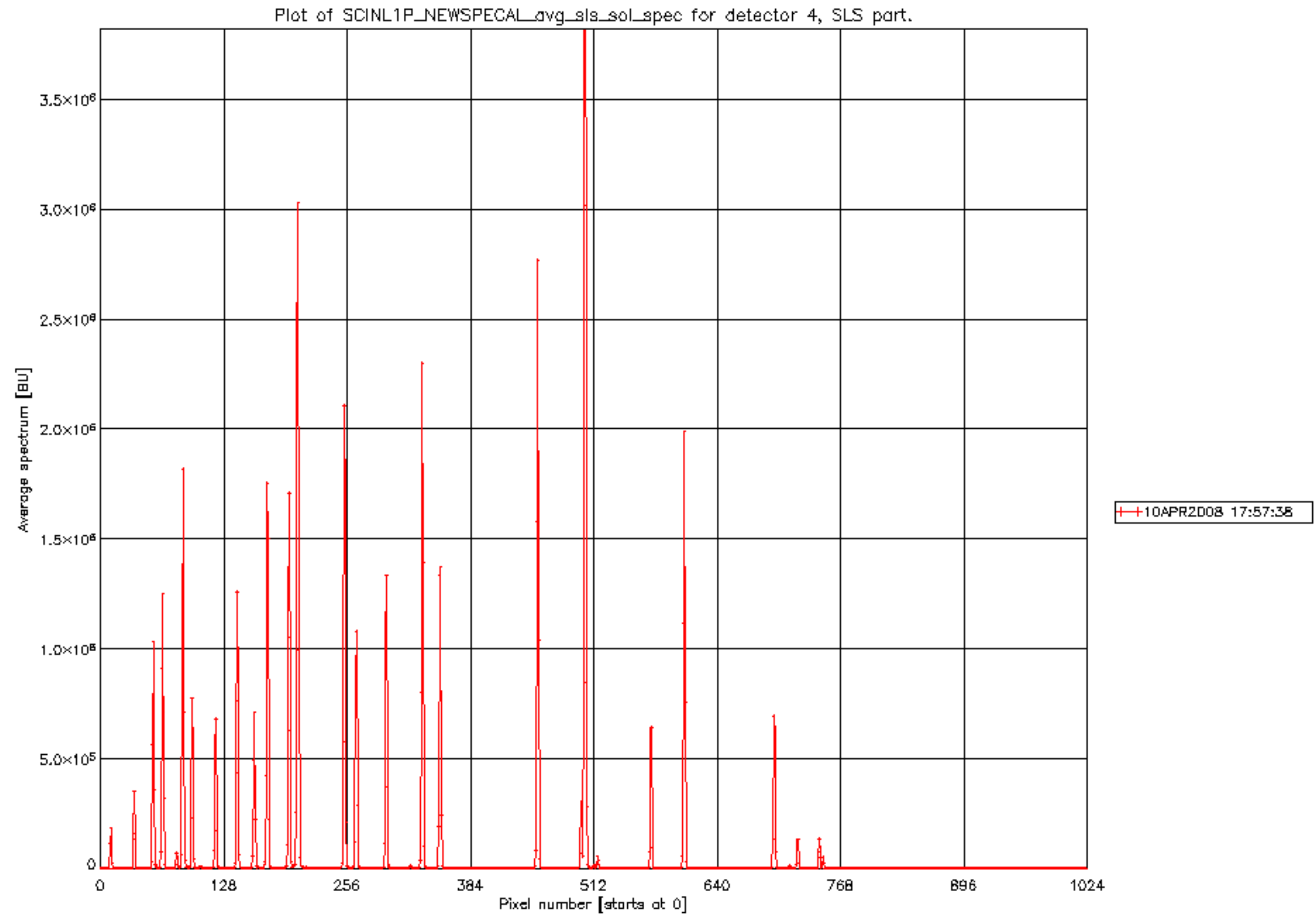
Plots of SCINL1P_NEWLEA_pmd_off vs time on 10APR2008 (red).
Dark average pmd data is given in blue for comparison.

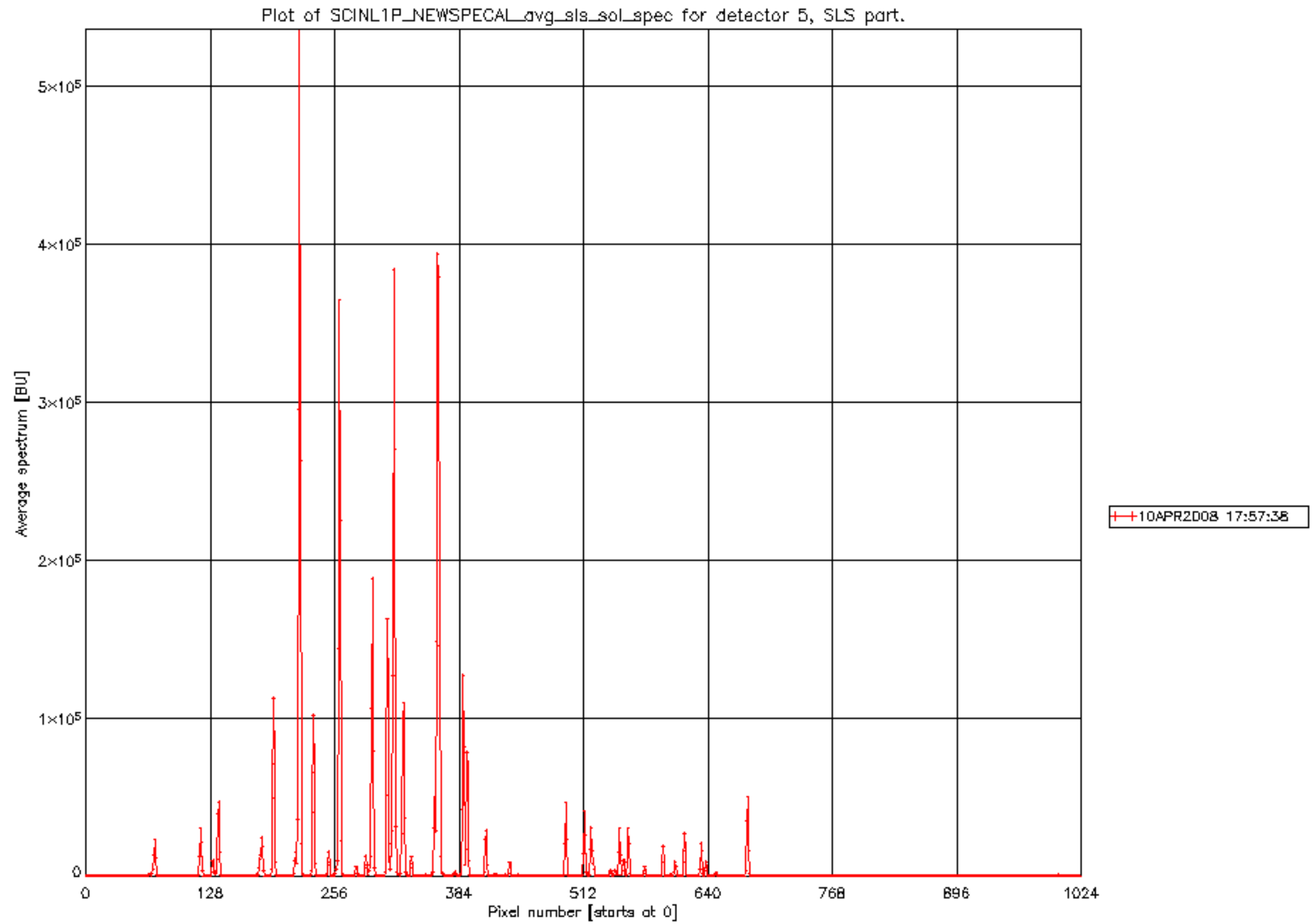


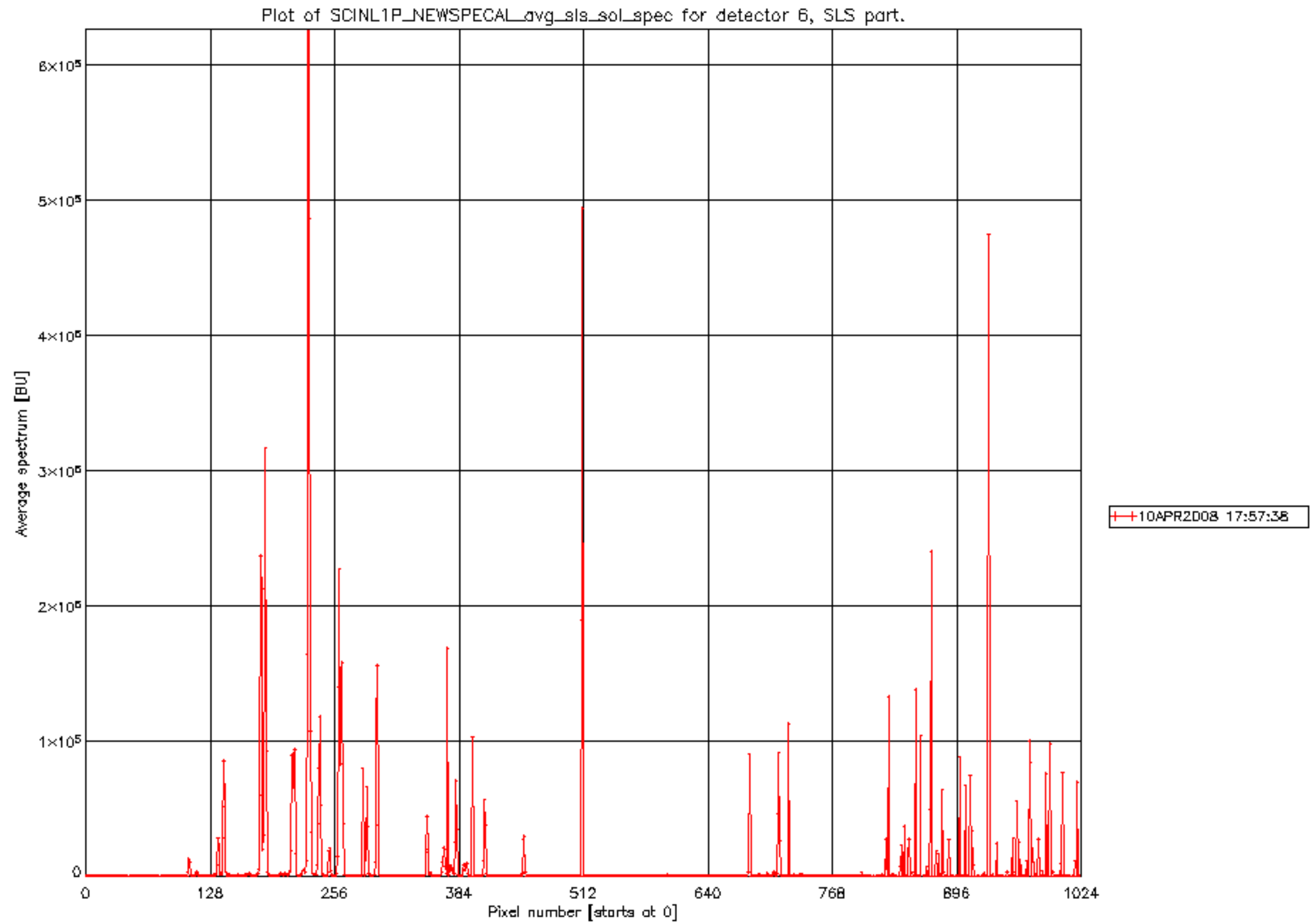


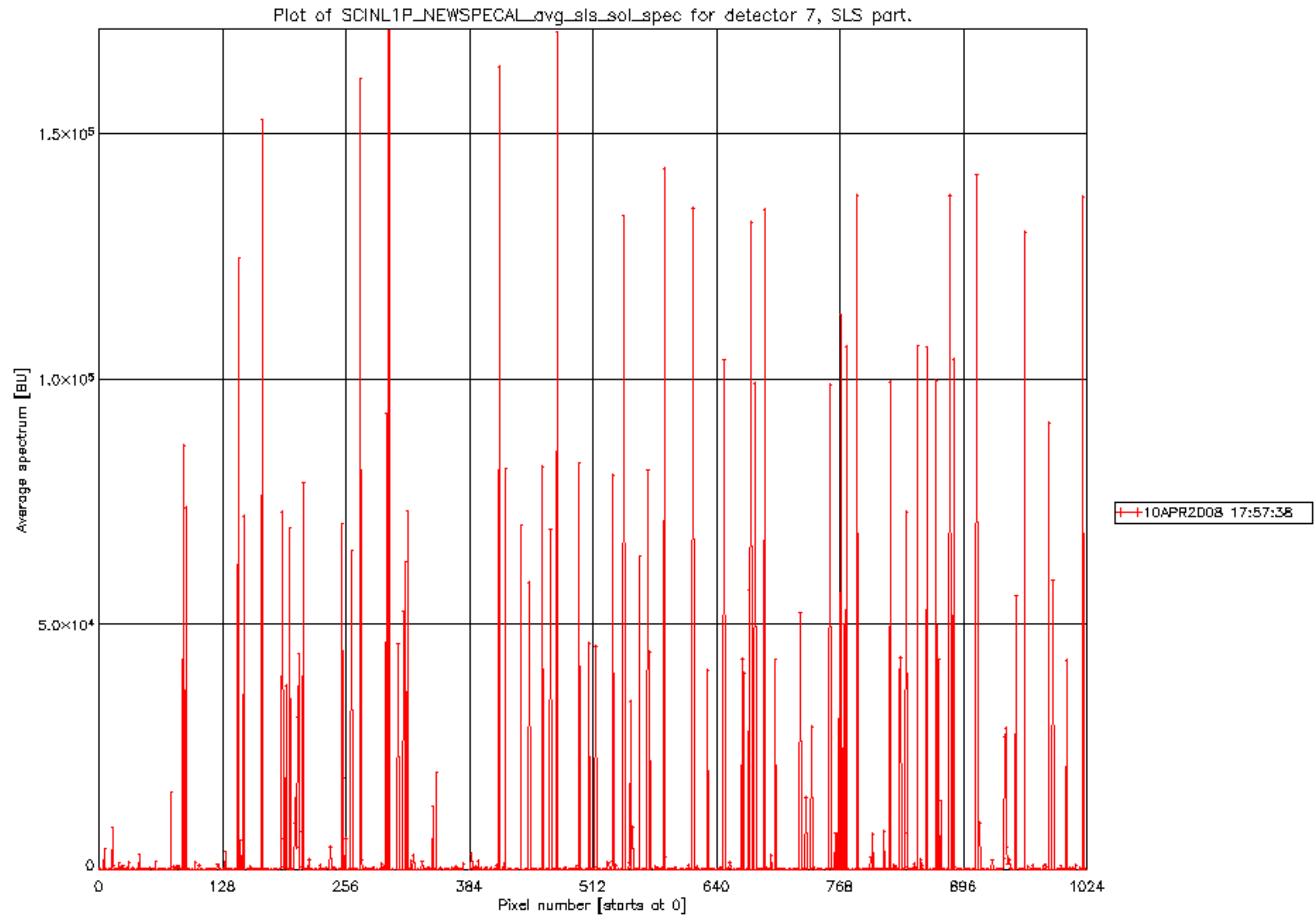


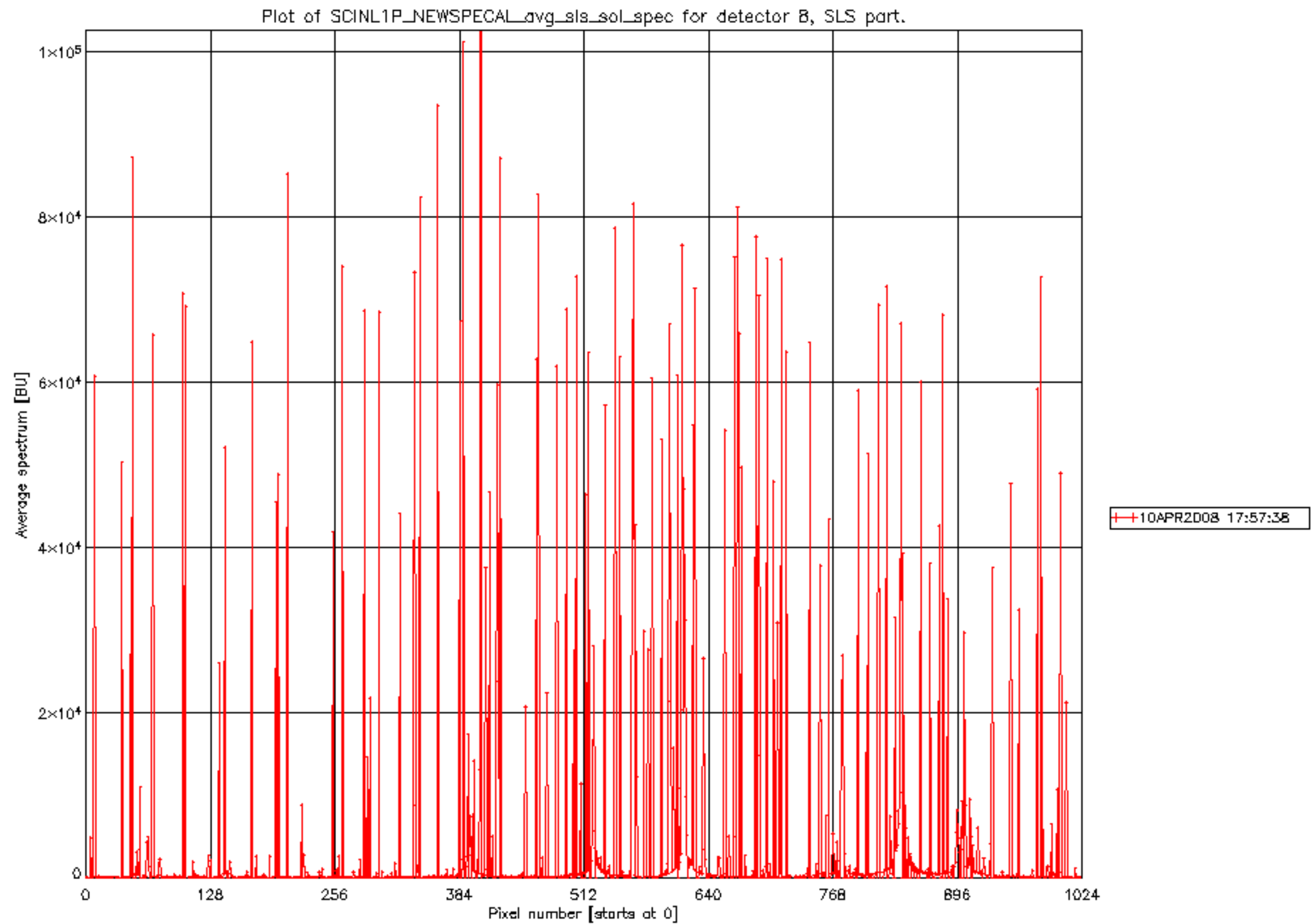


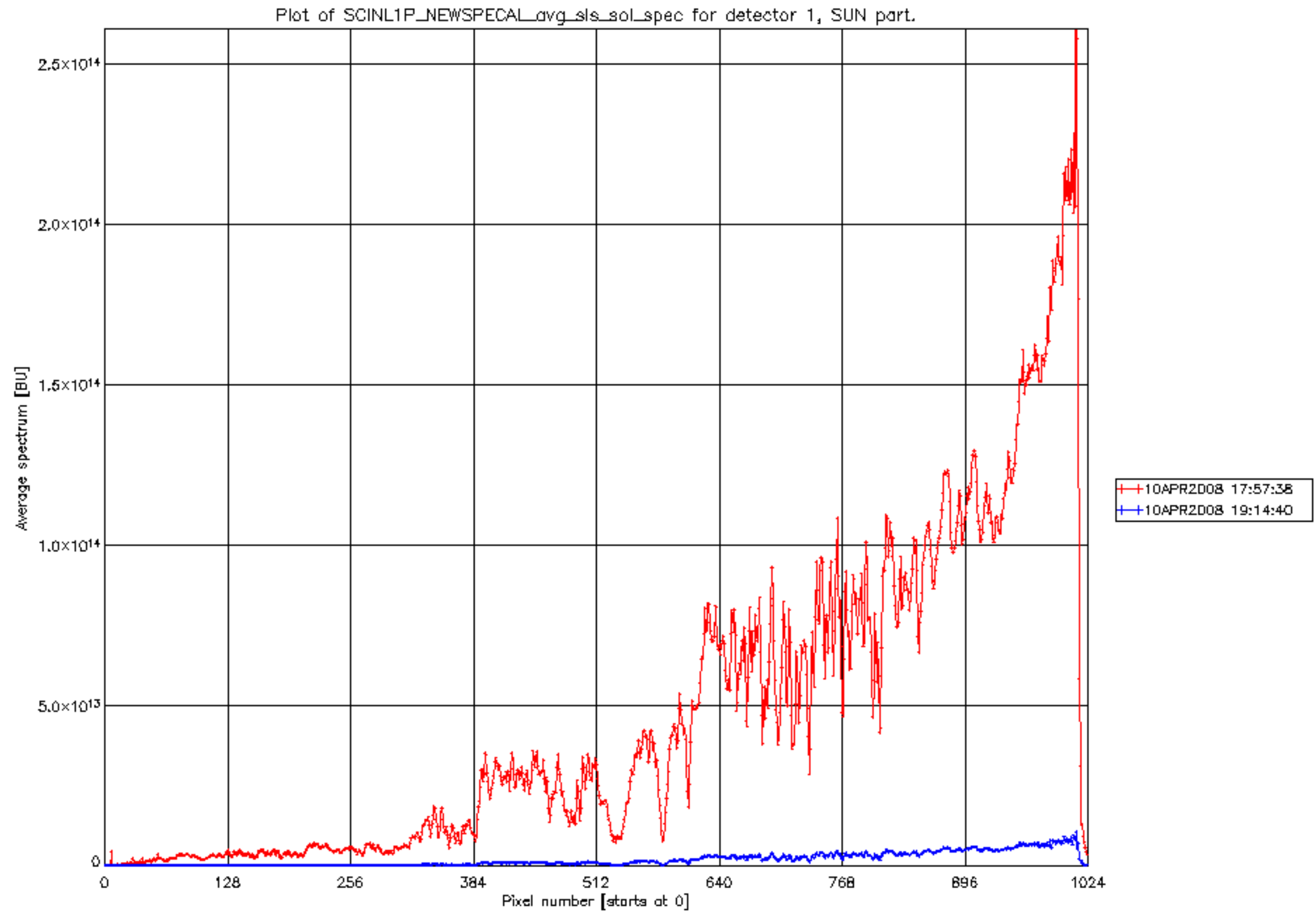


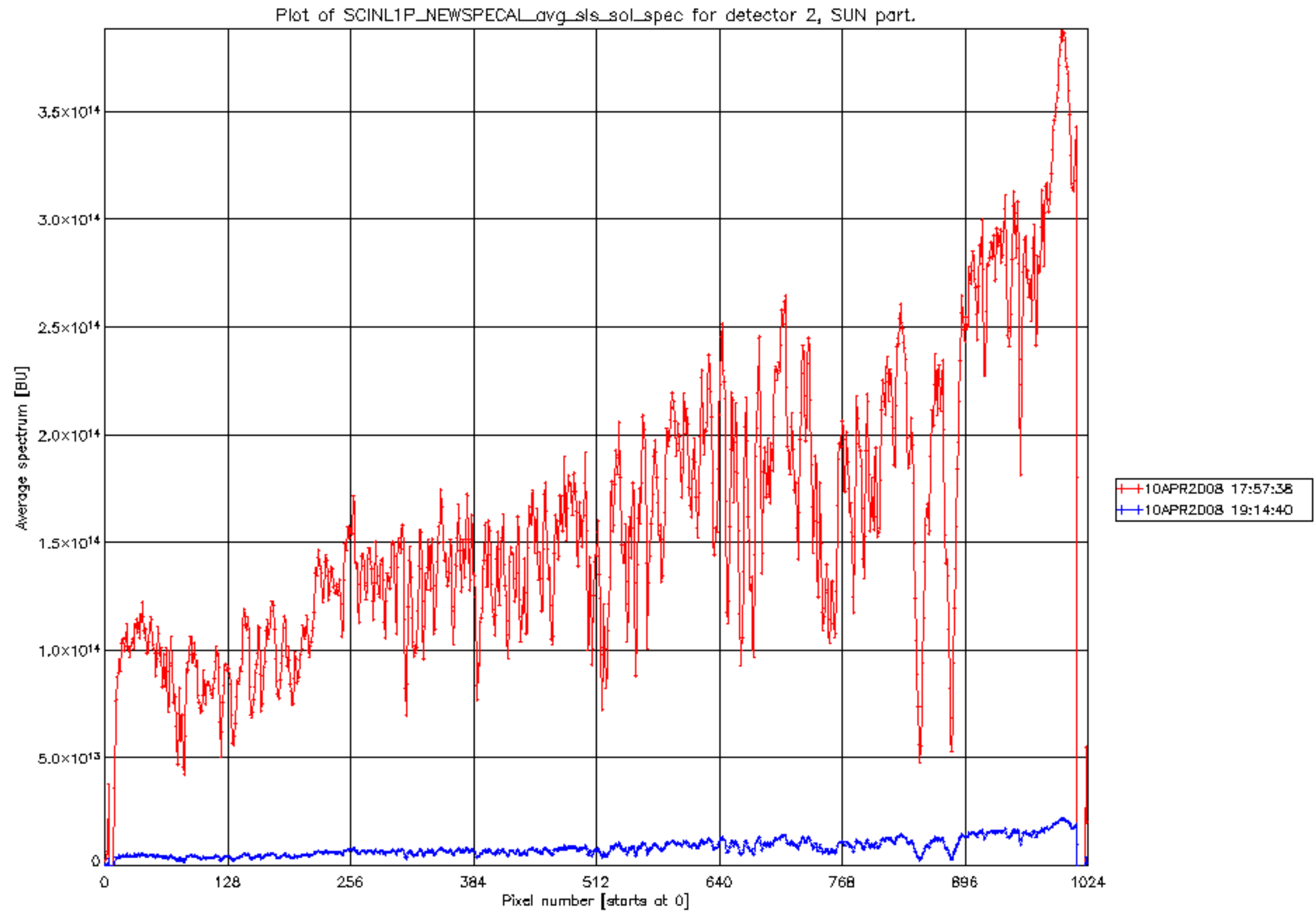


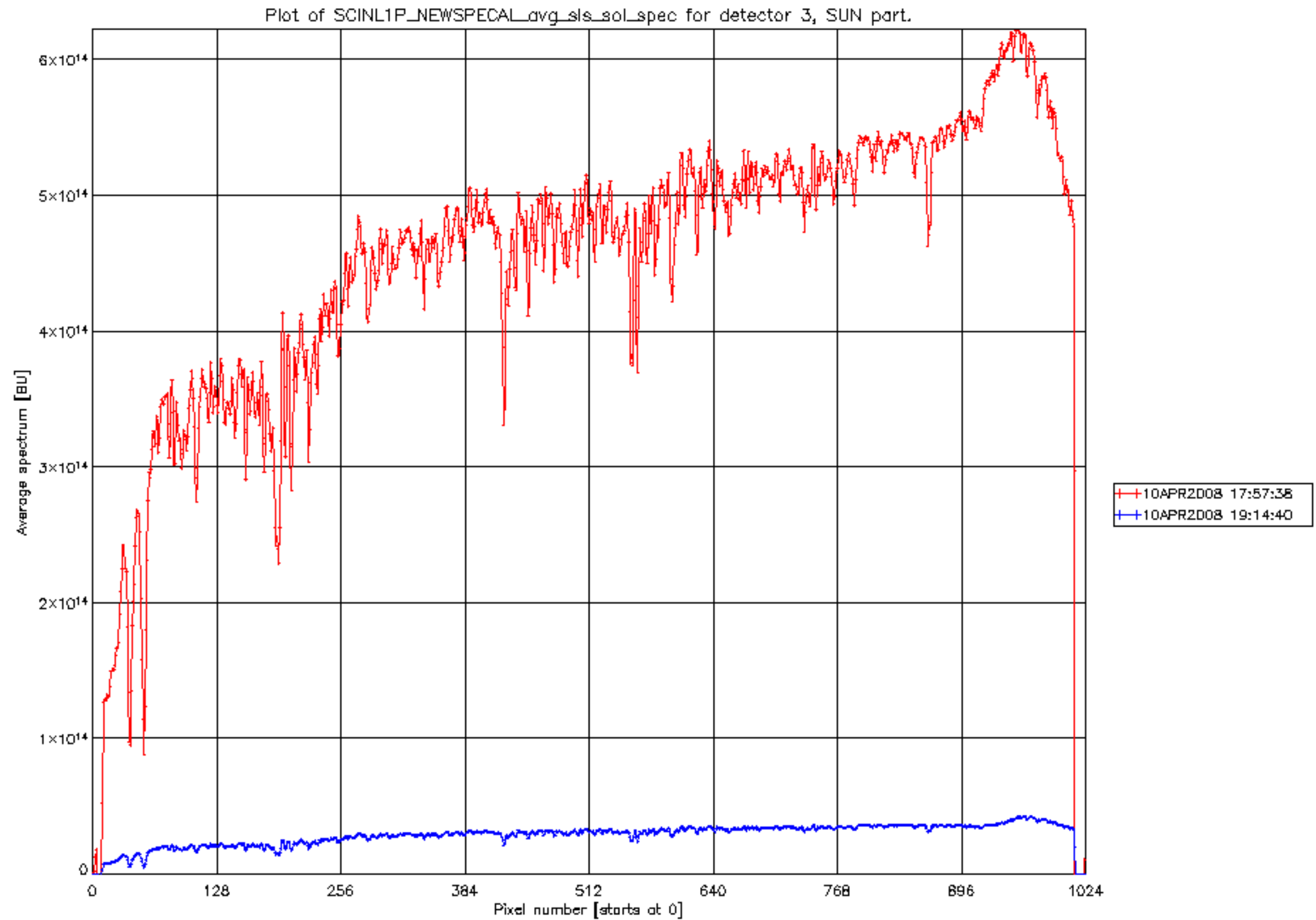


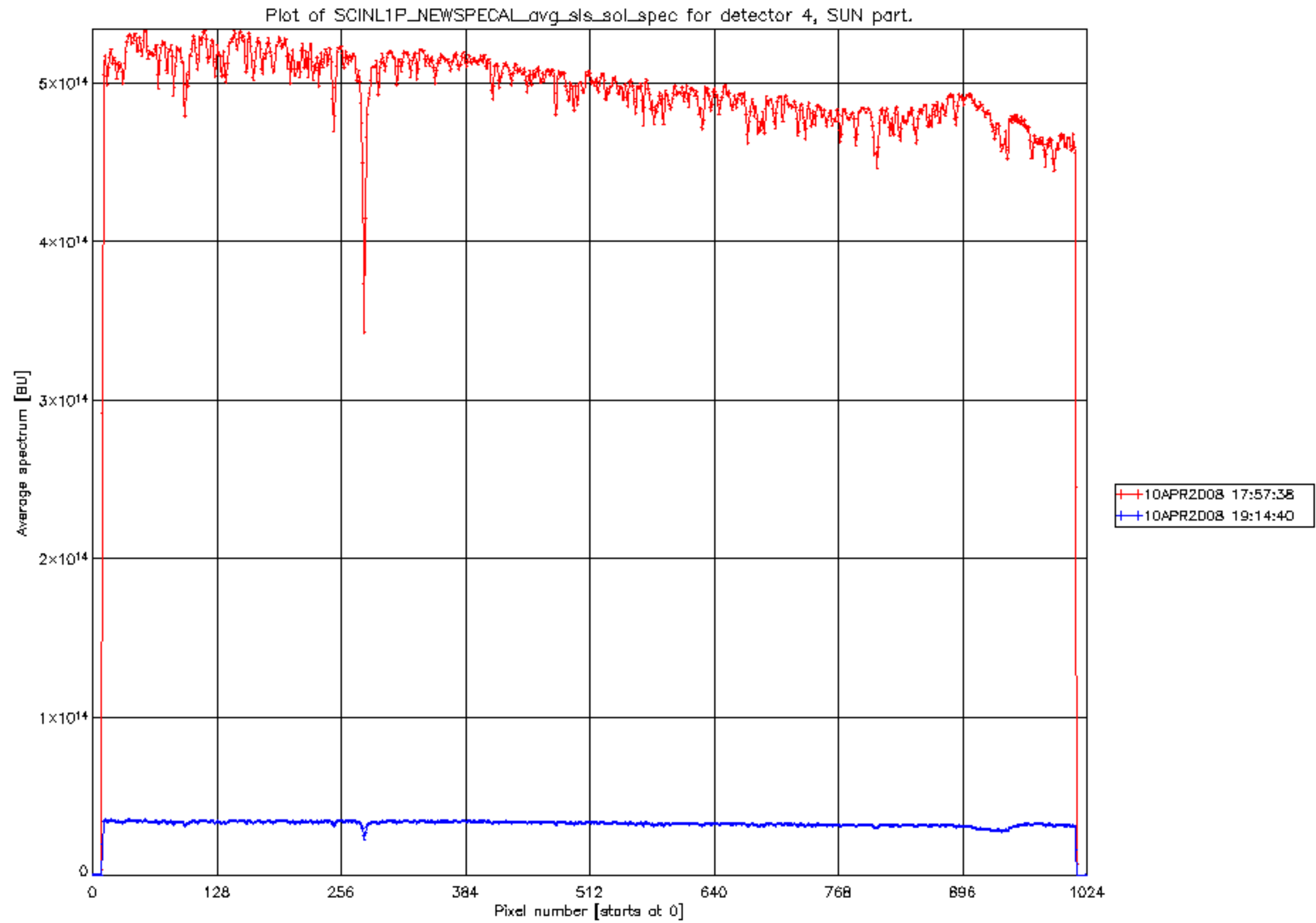


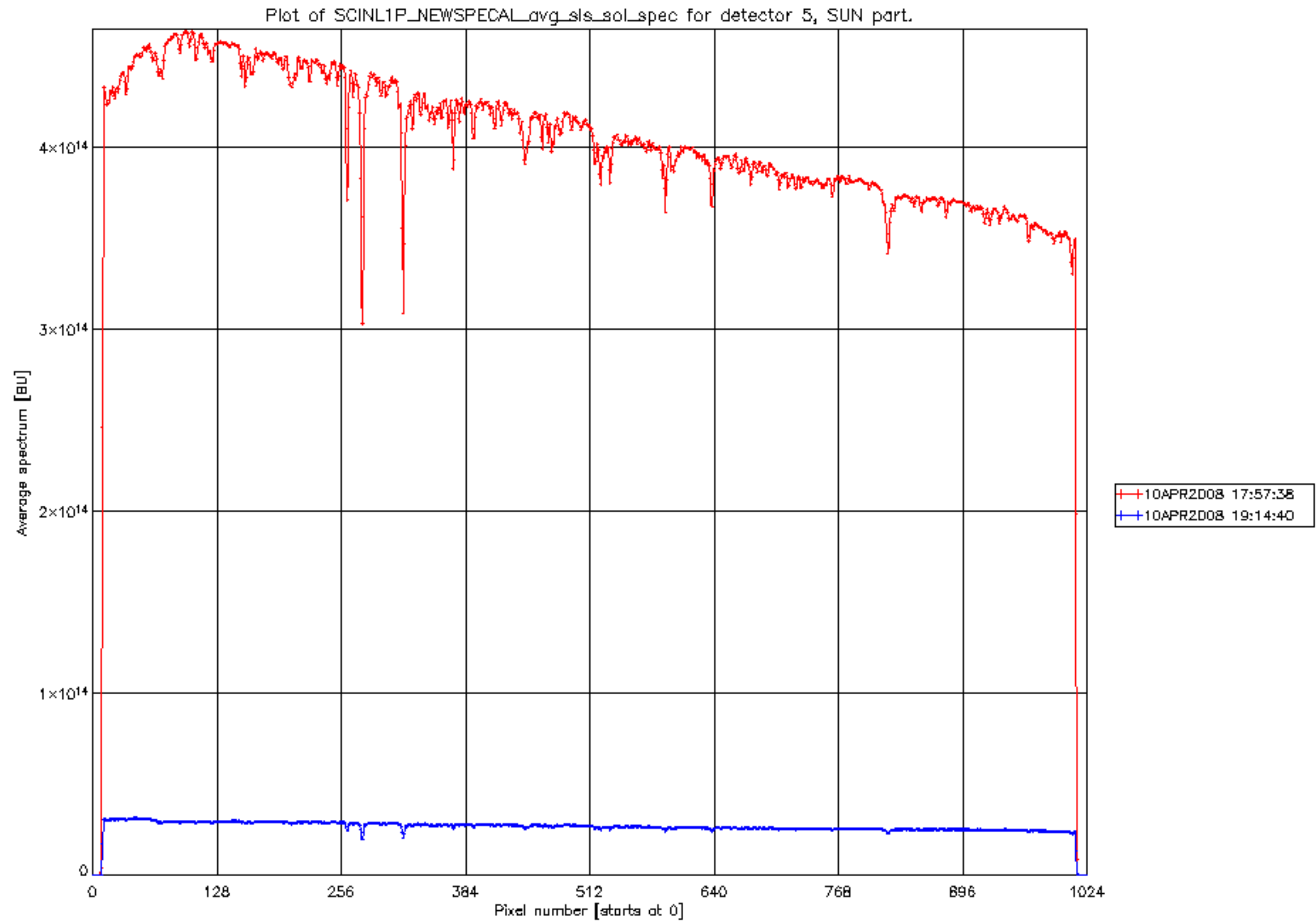


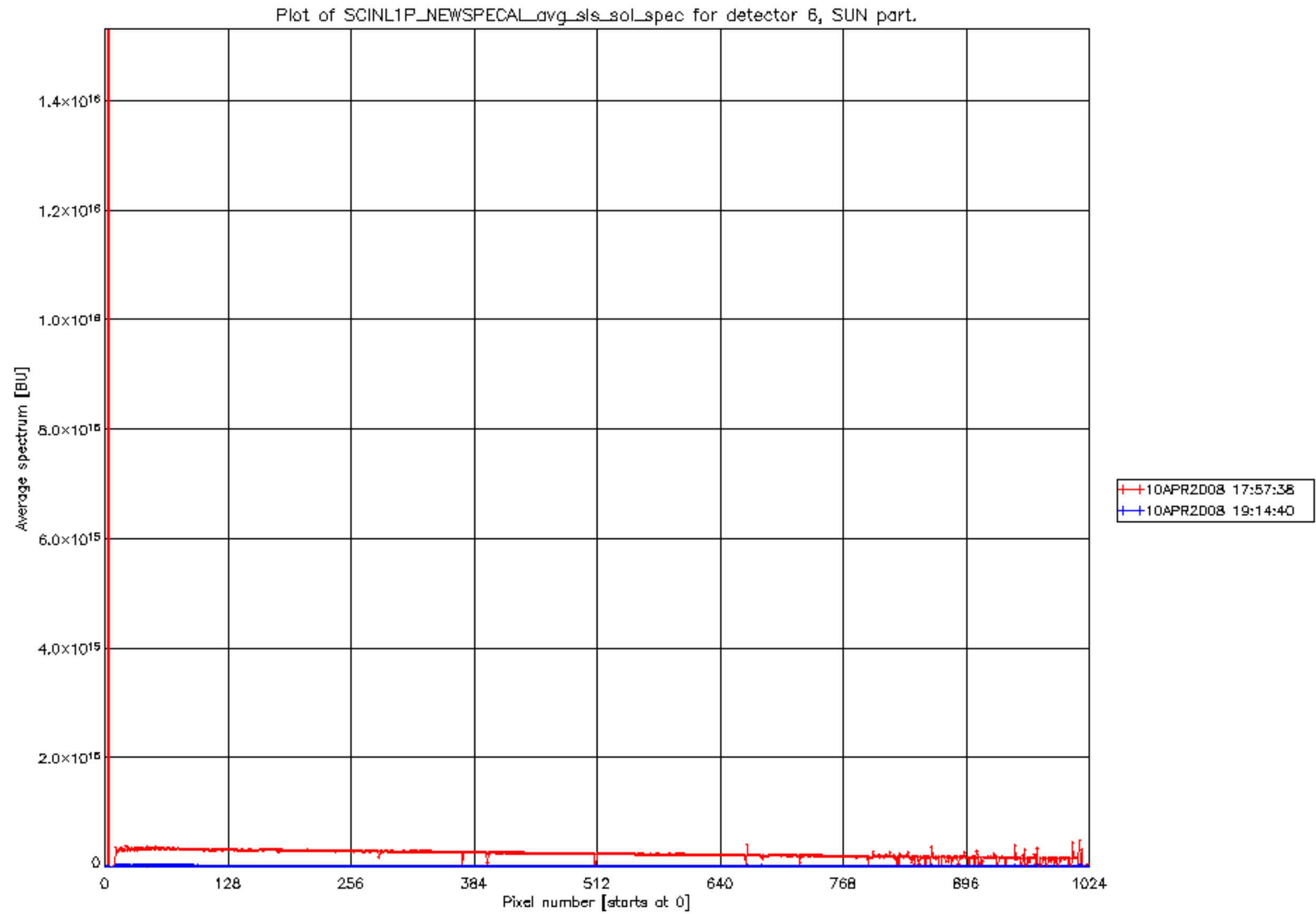


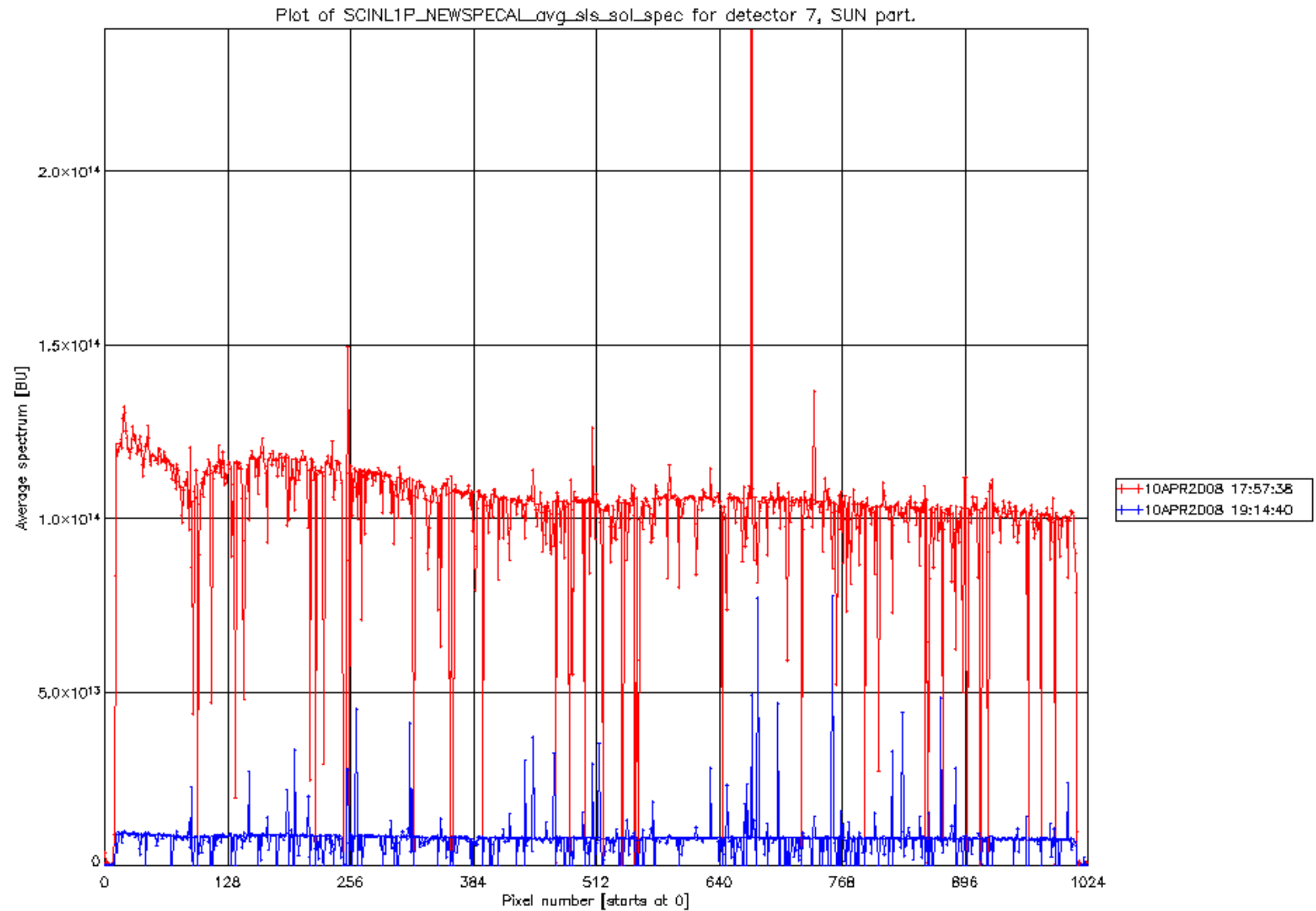


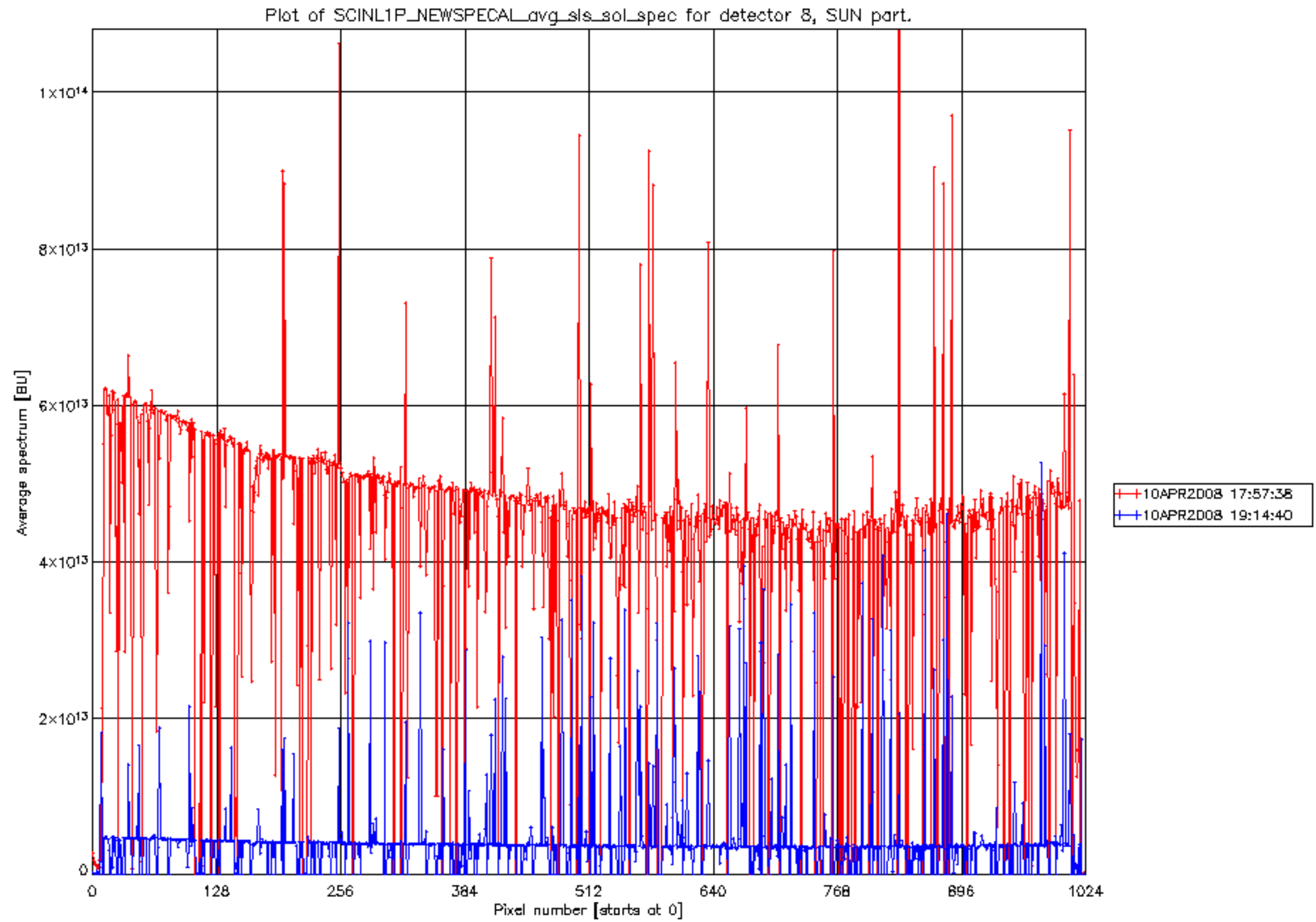


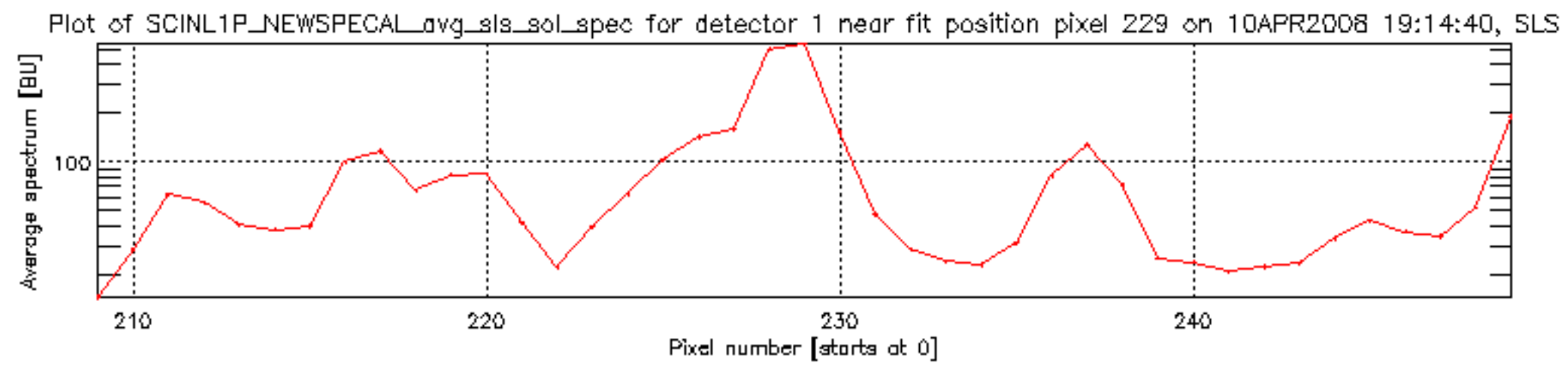


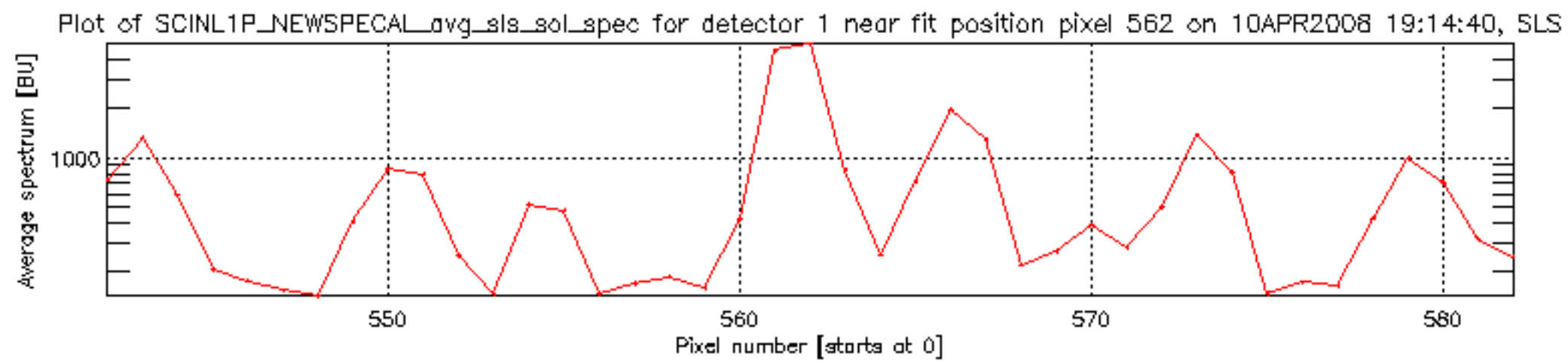


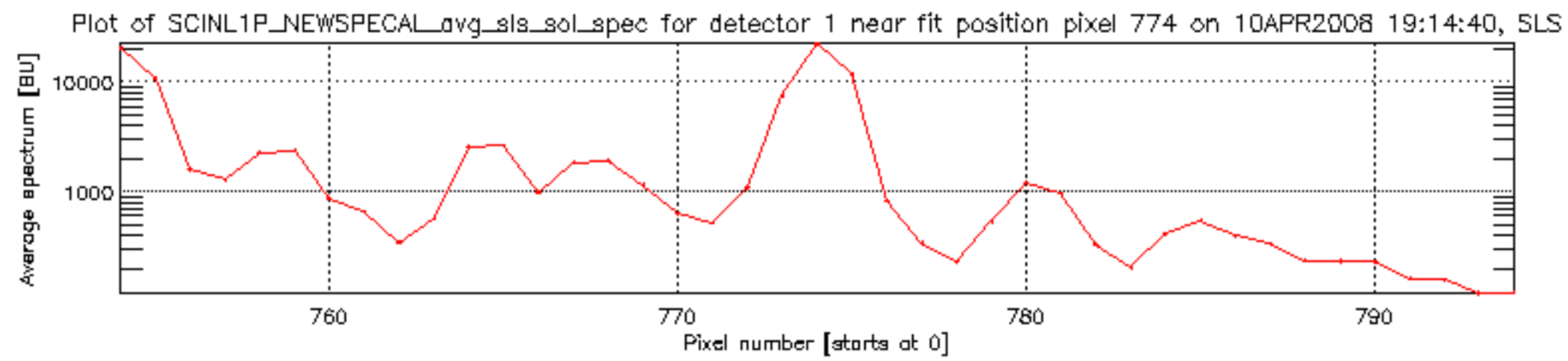


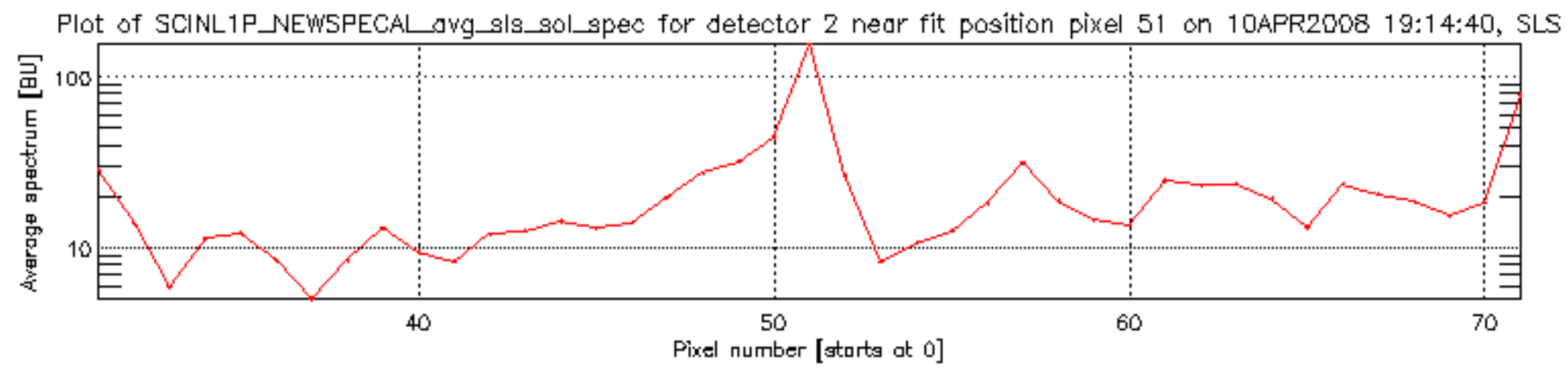


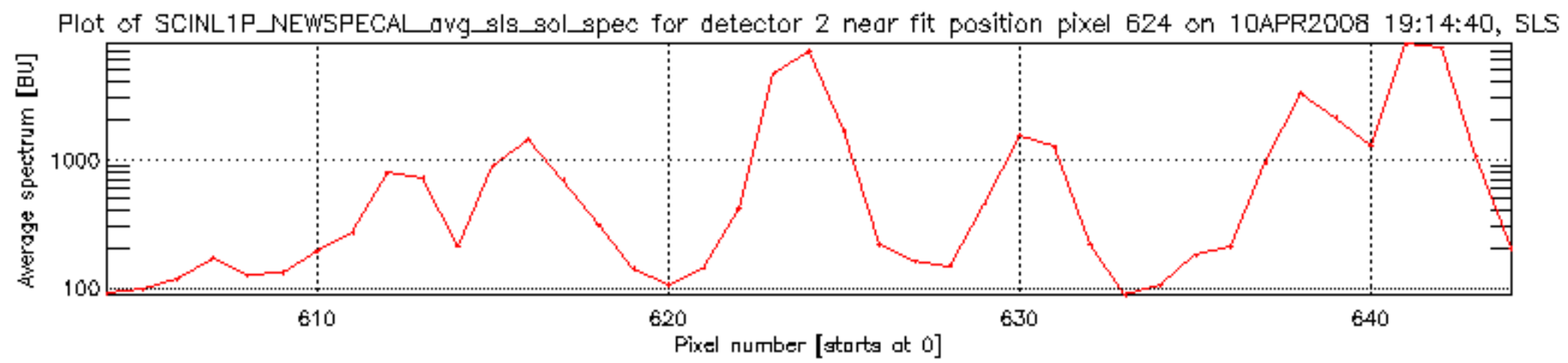


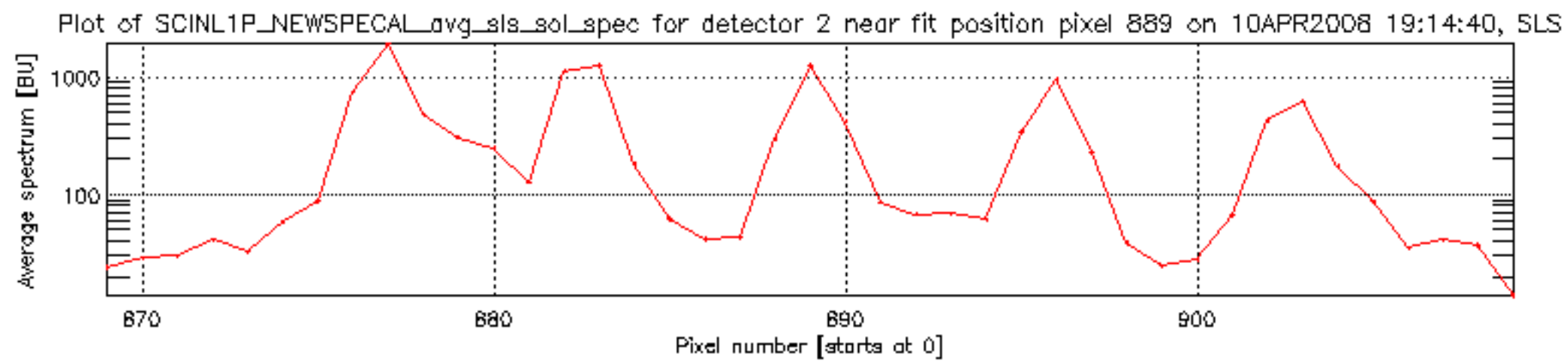


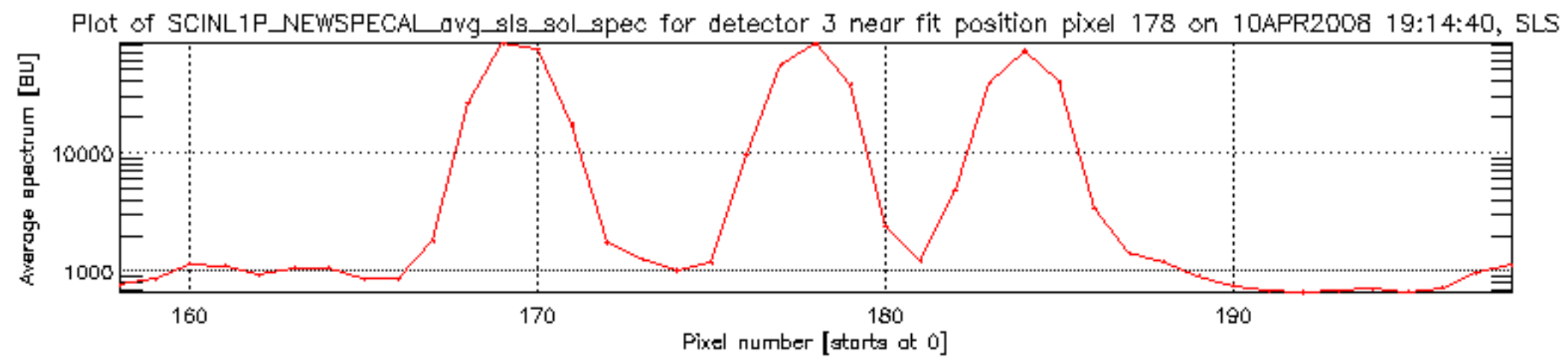


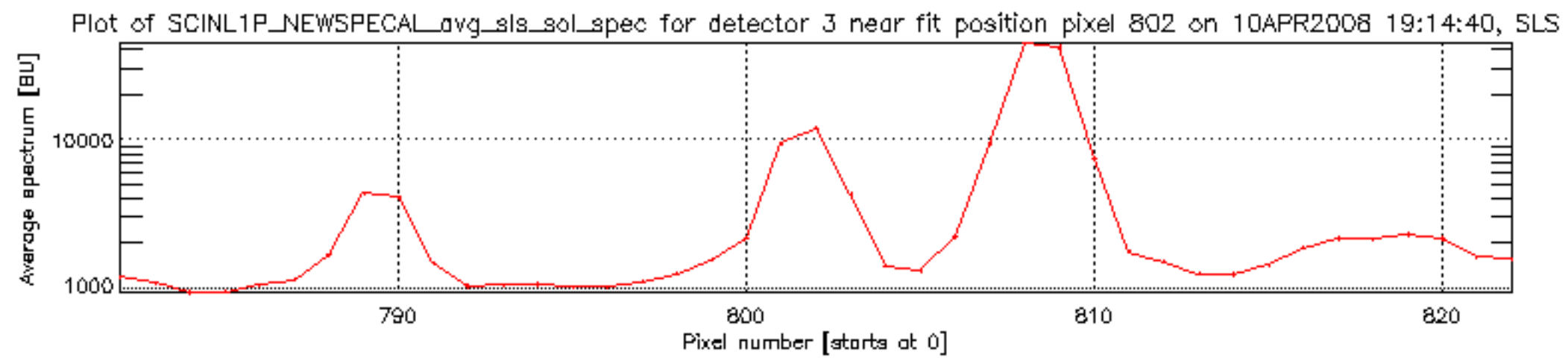


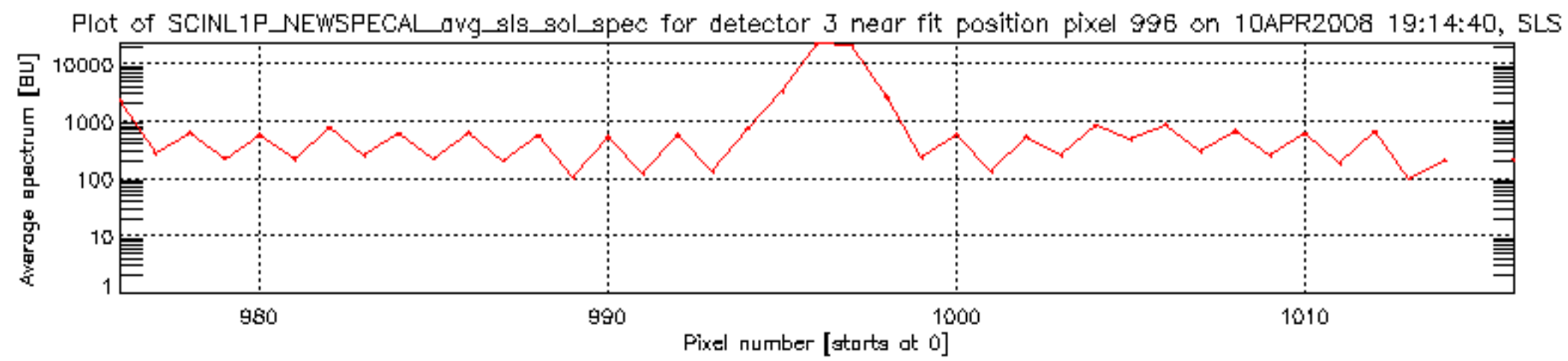


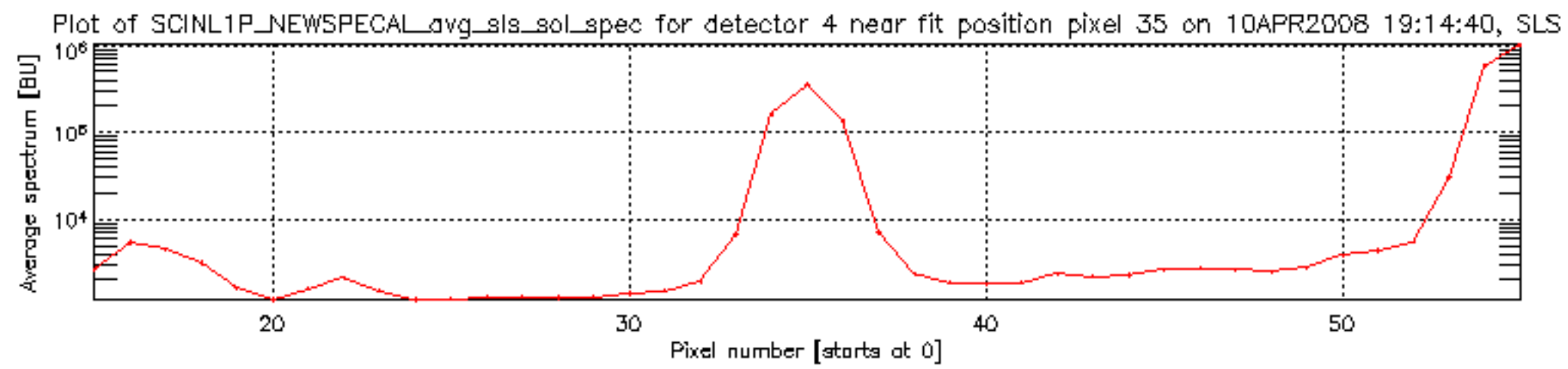


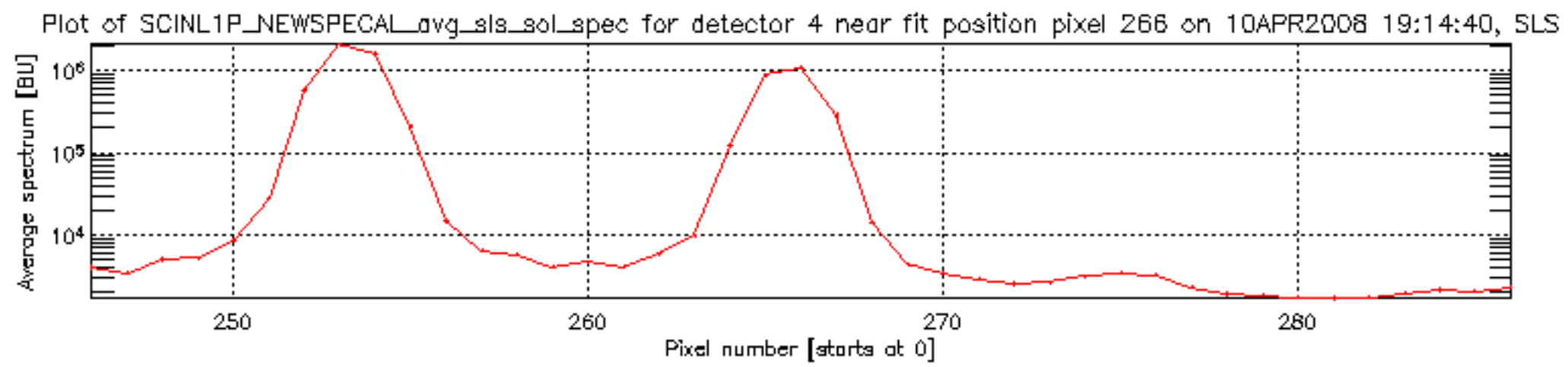


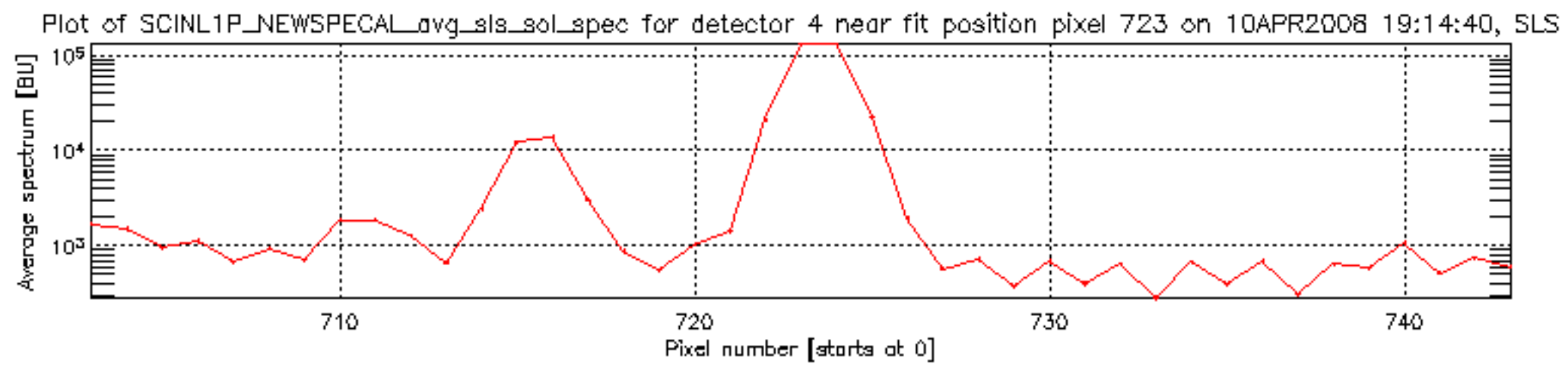


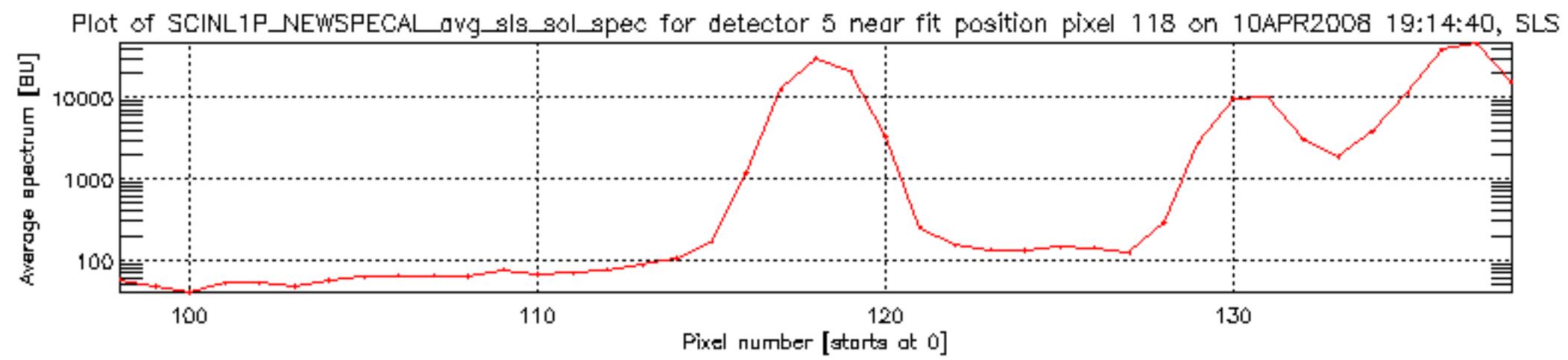


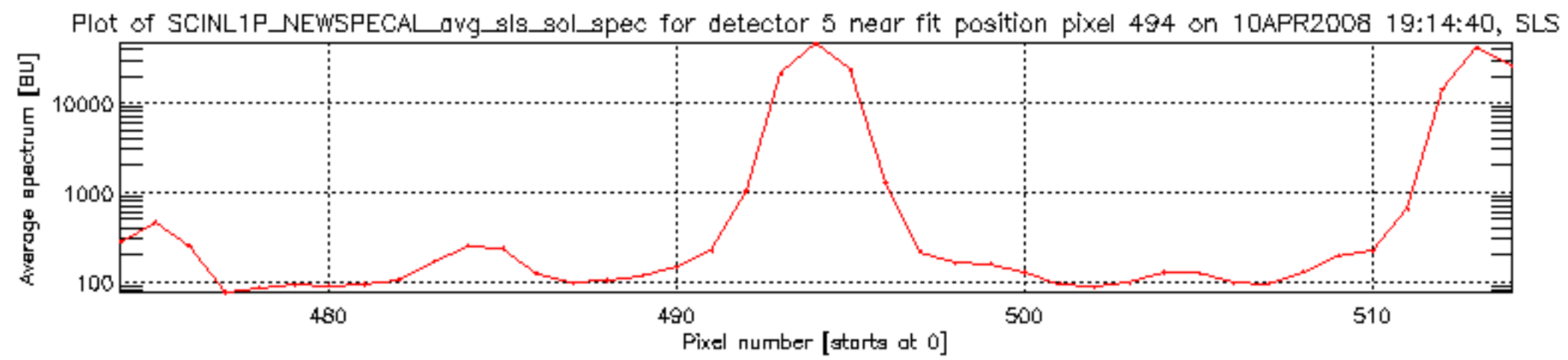


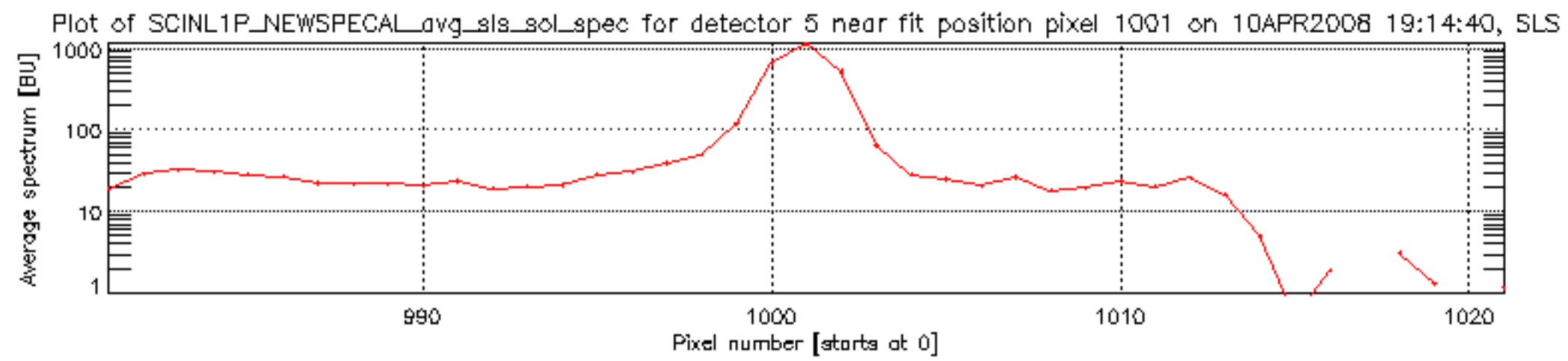


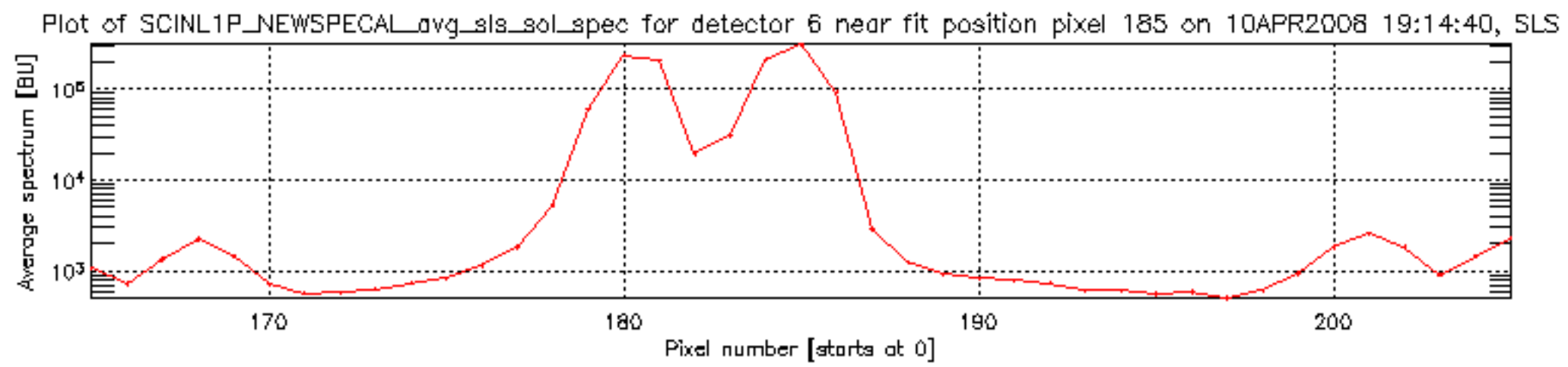


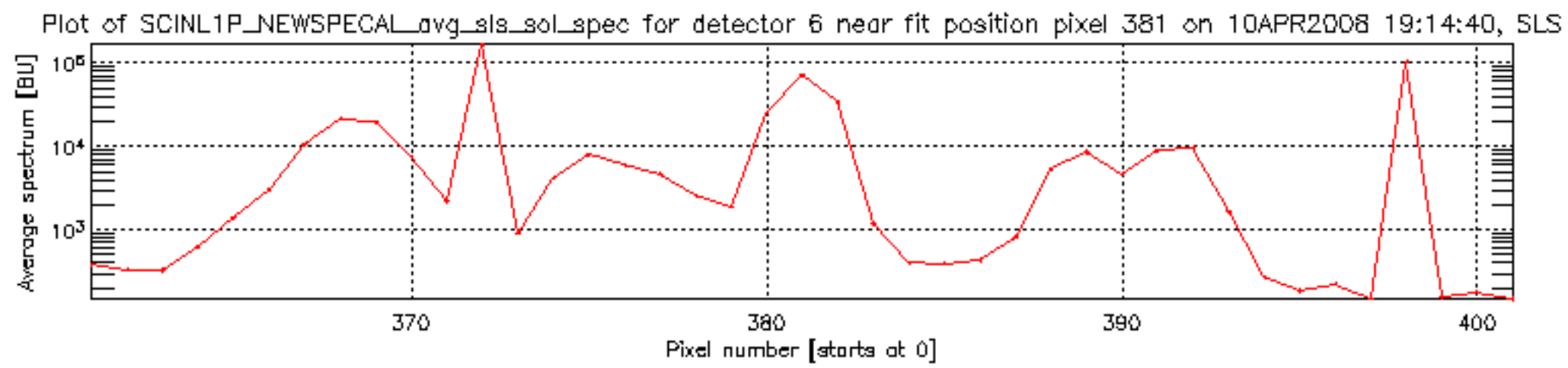


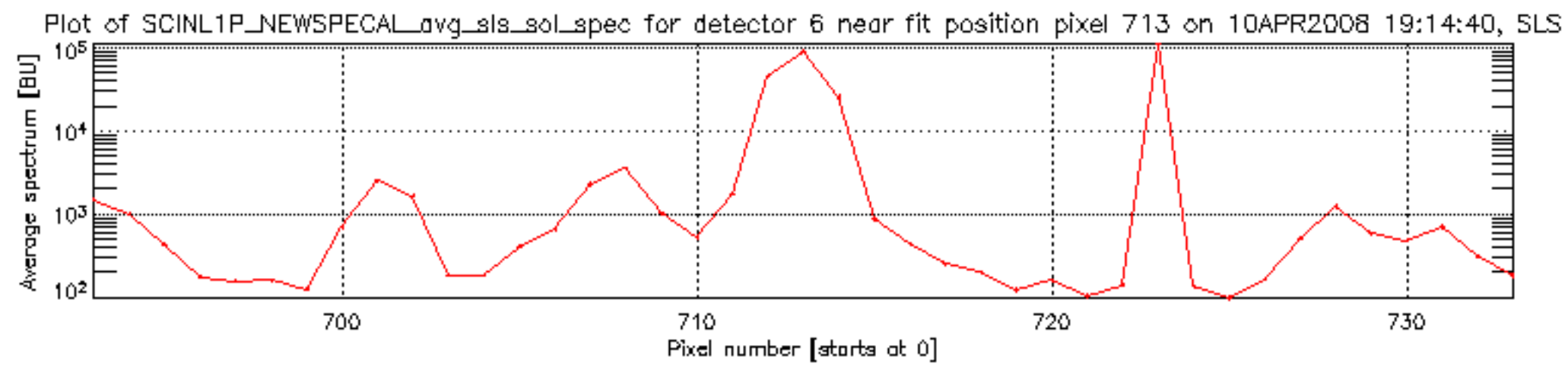


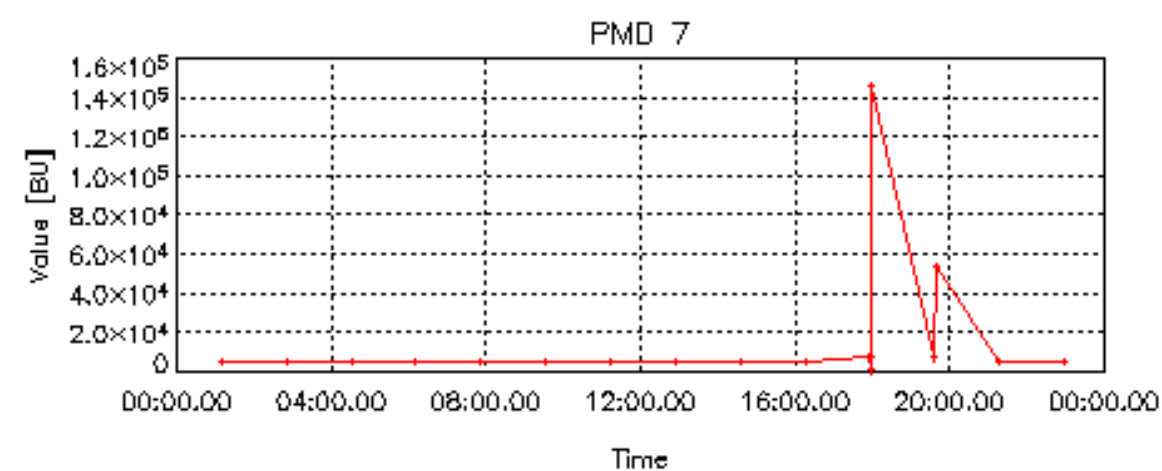
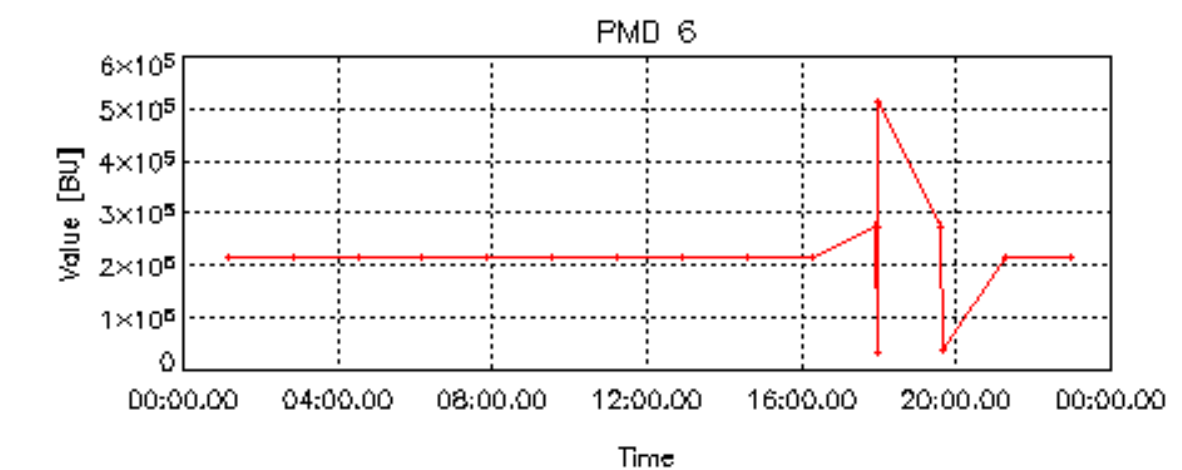
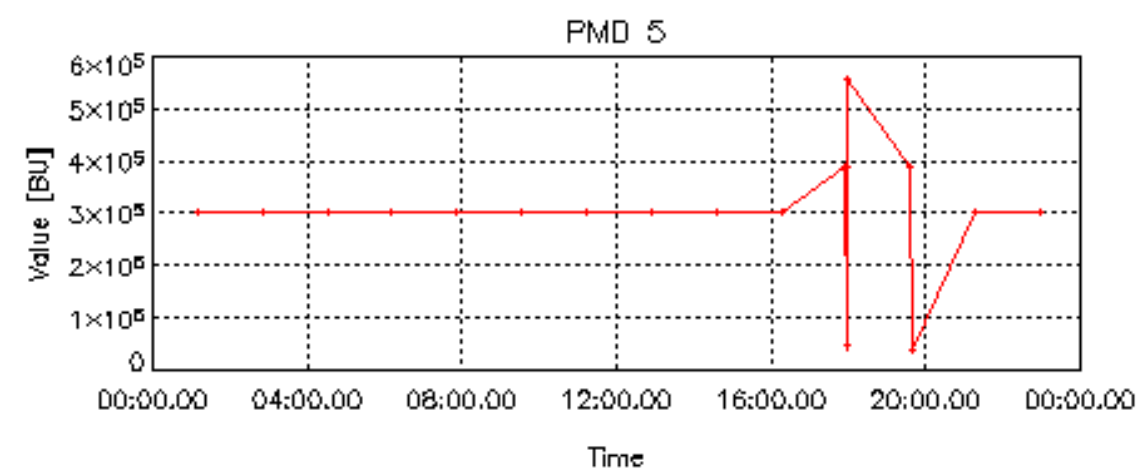
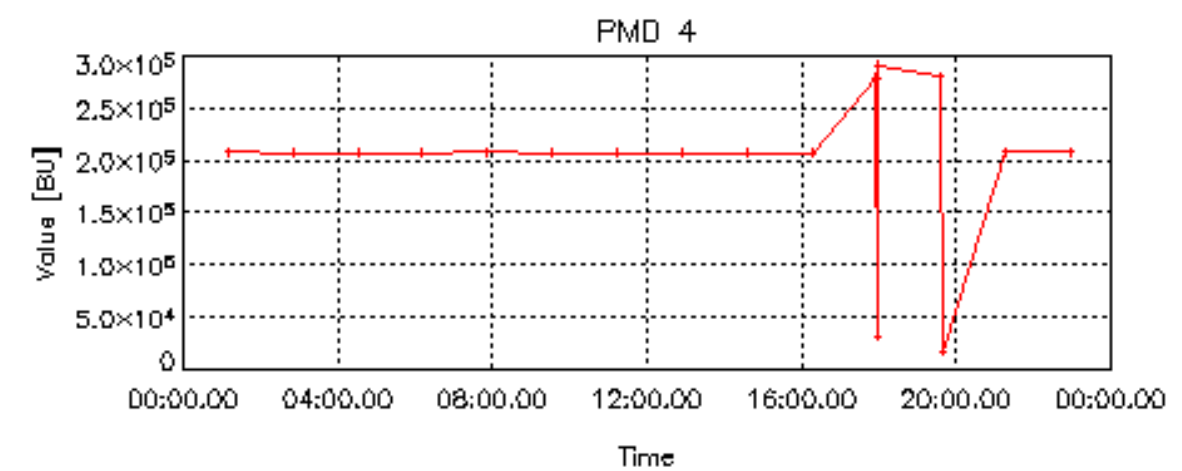
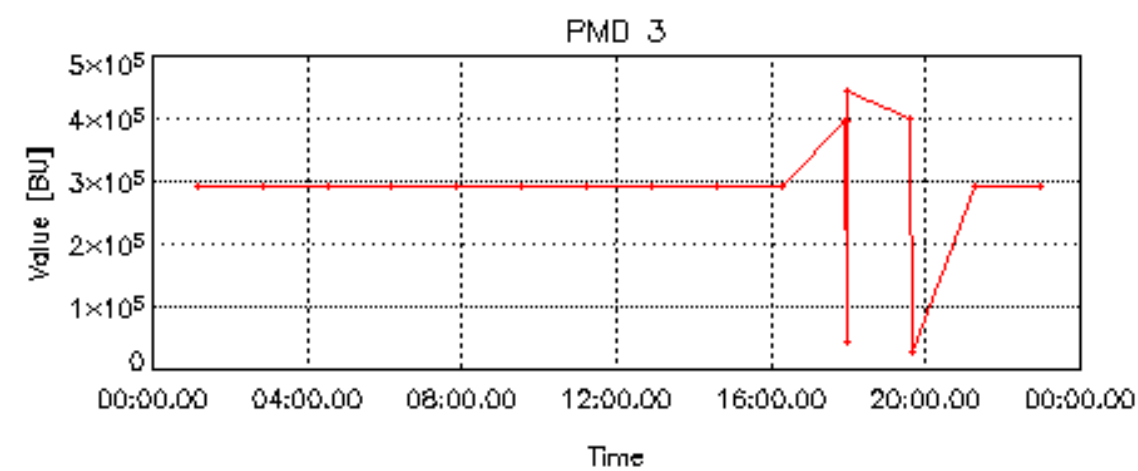
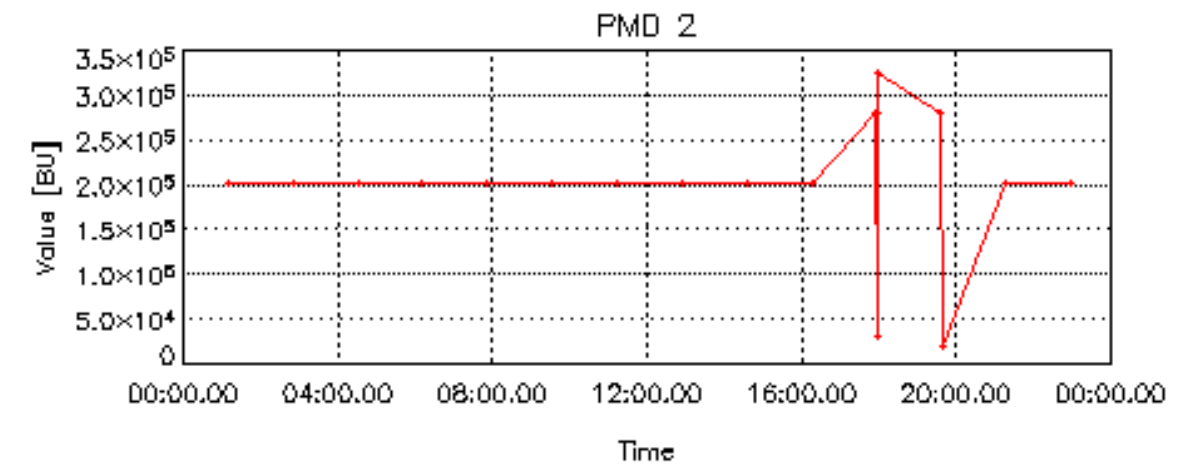
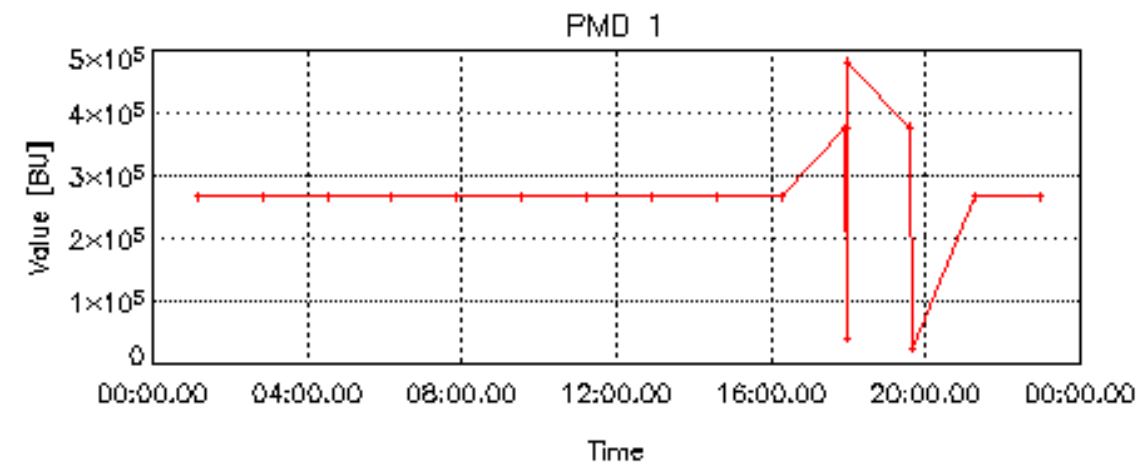


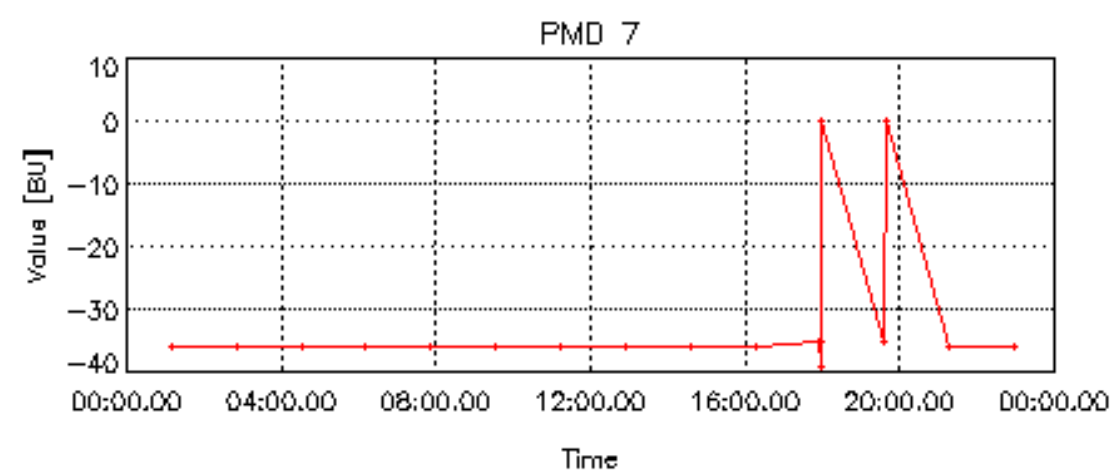
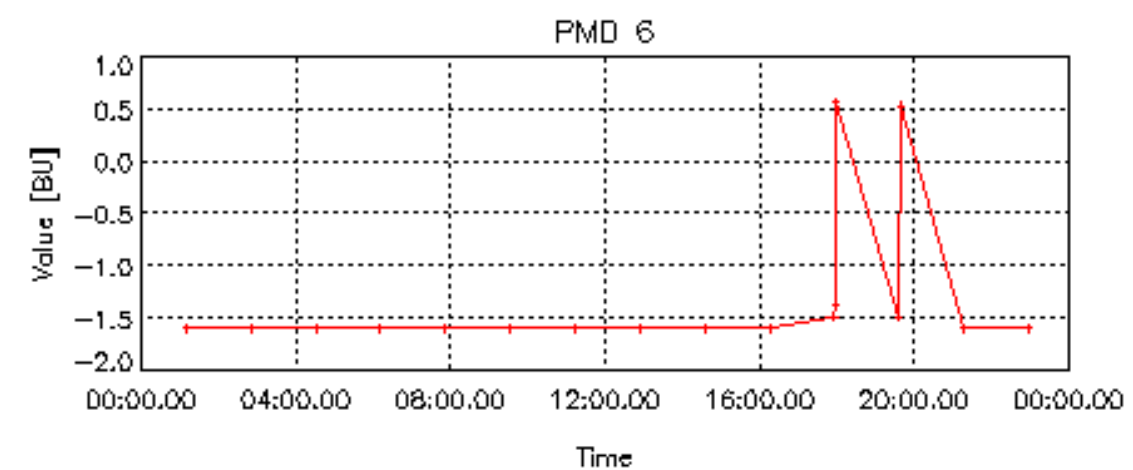
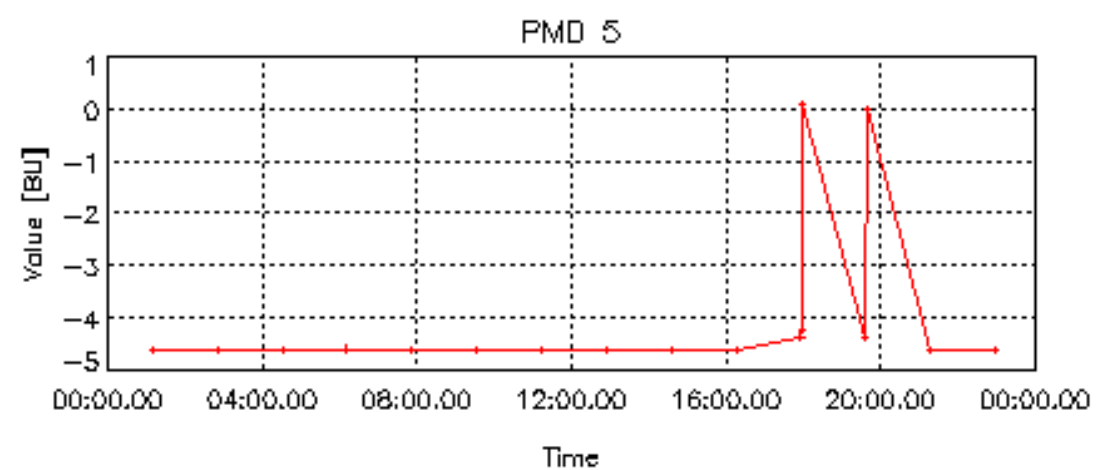
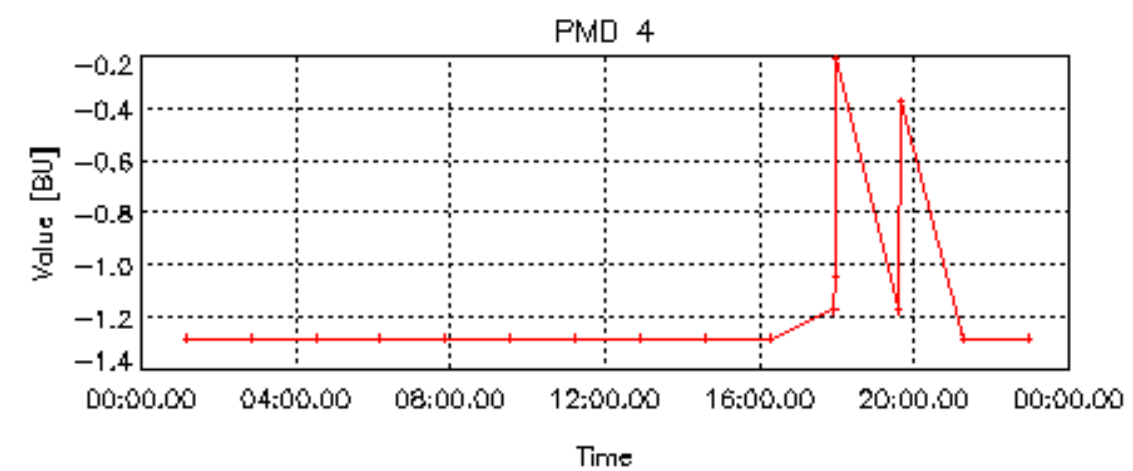
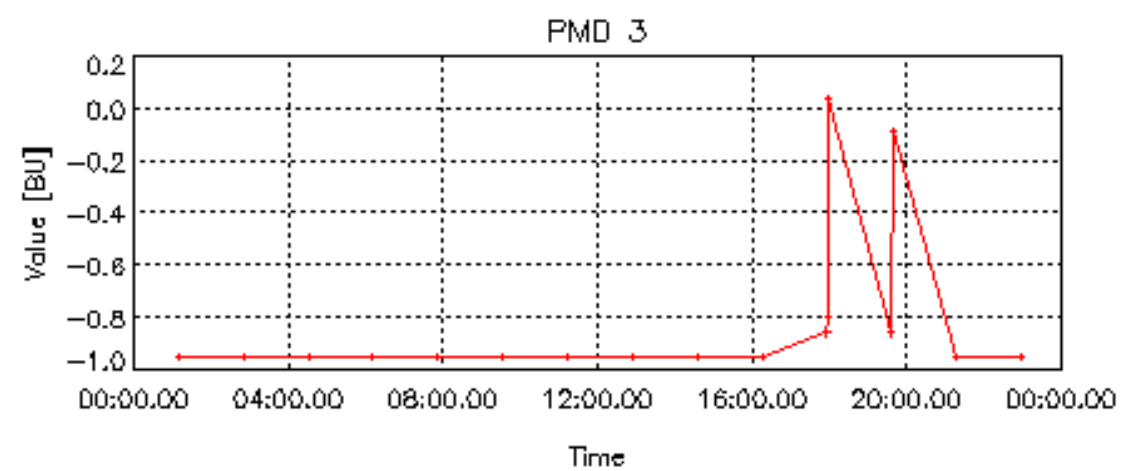
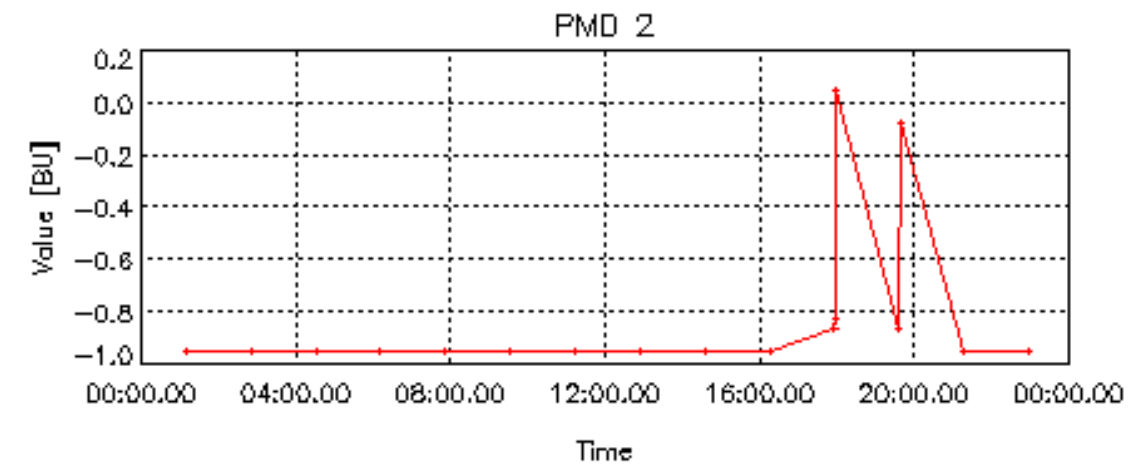
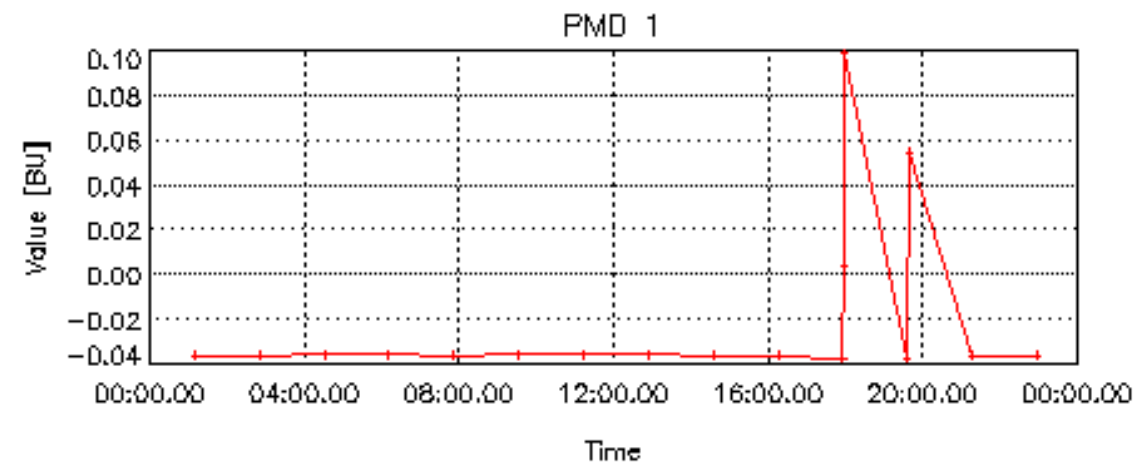


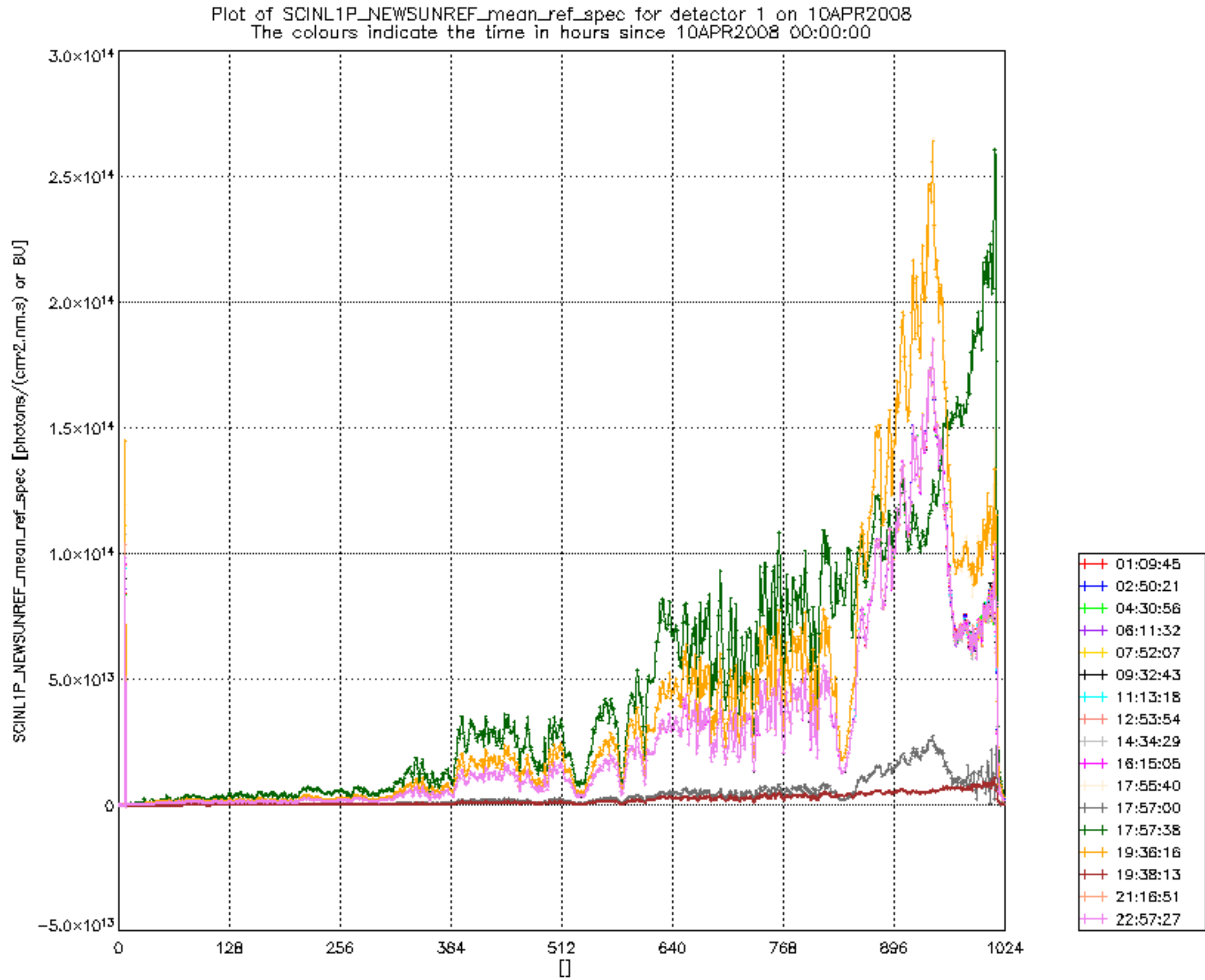




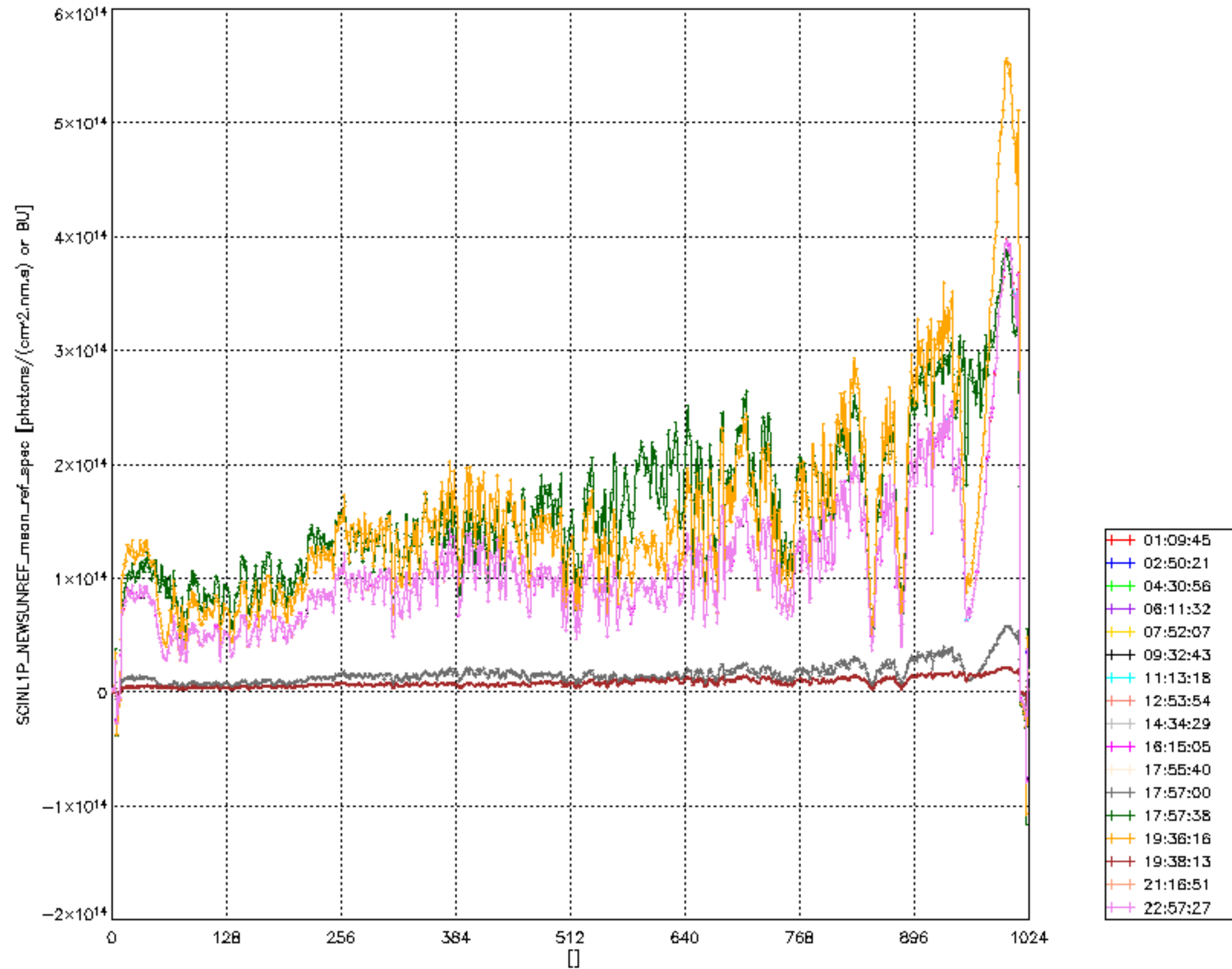


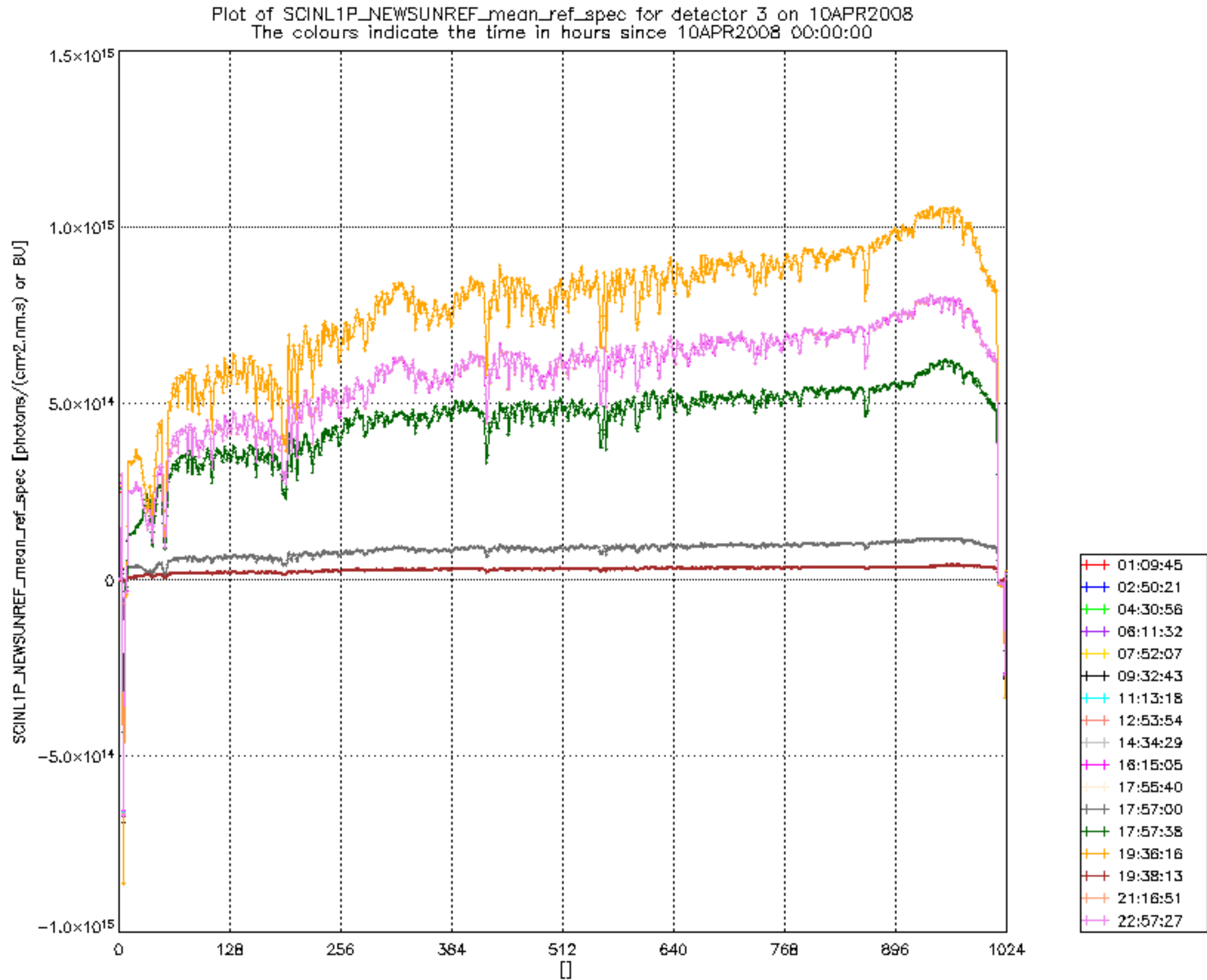




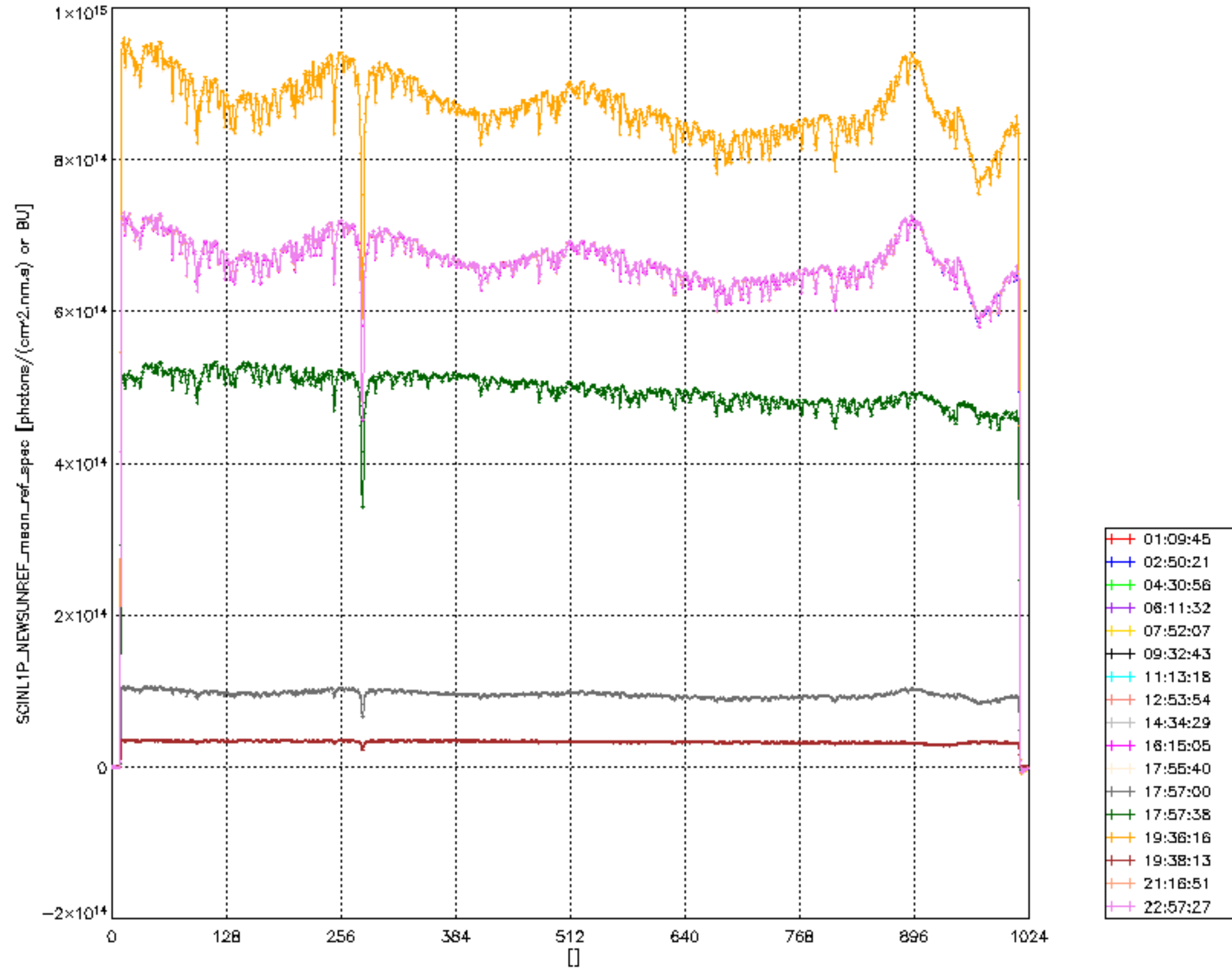


Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector 2 on 10APR2008
The colours indicate the time in hours since 10APR2008 00:00:00

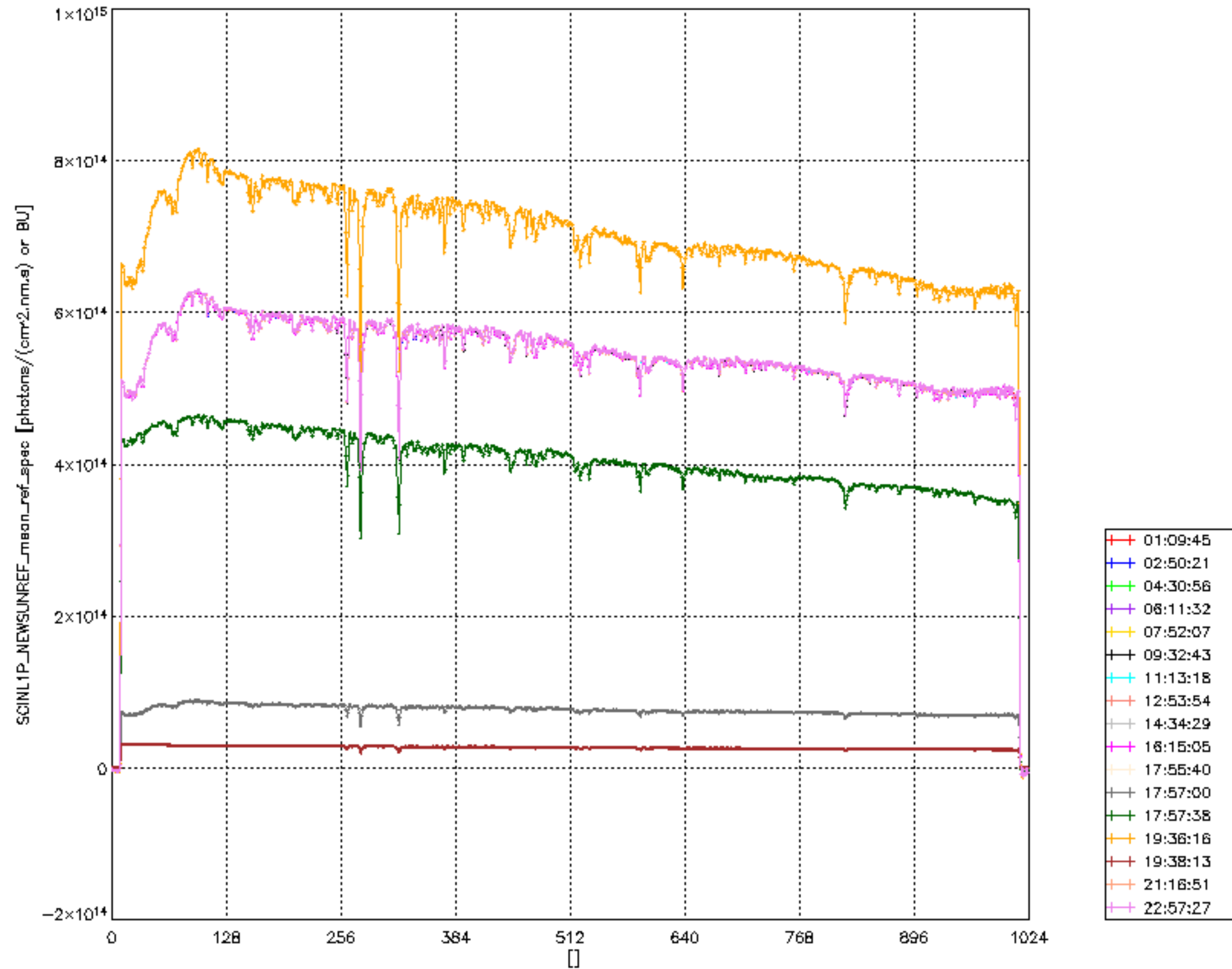


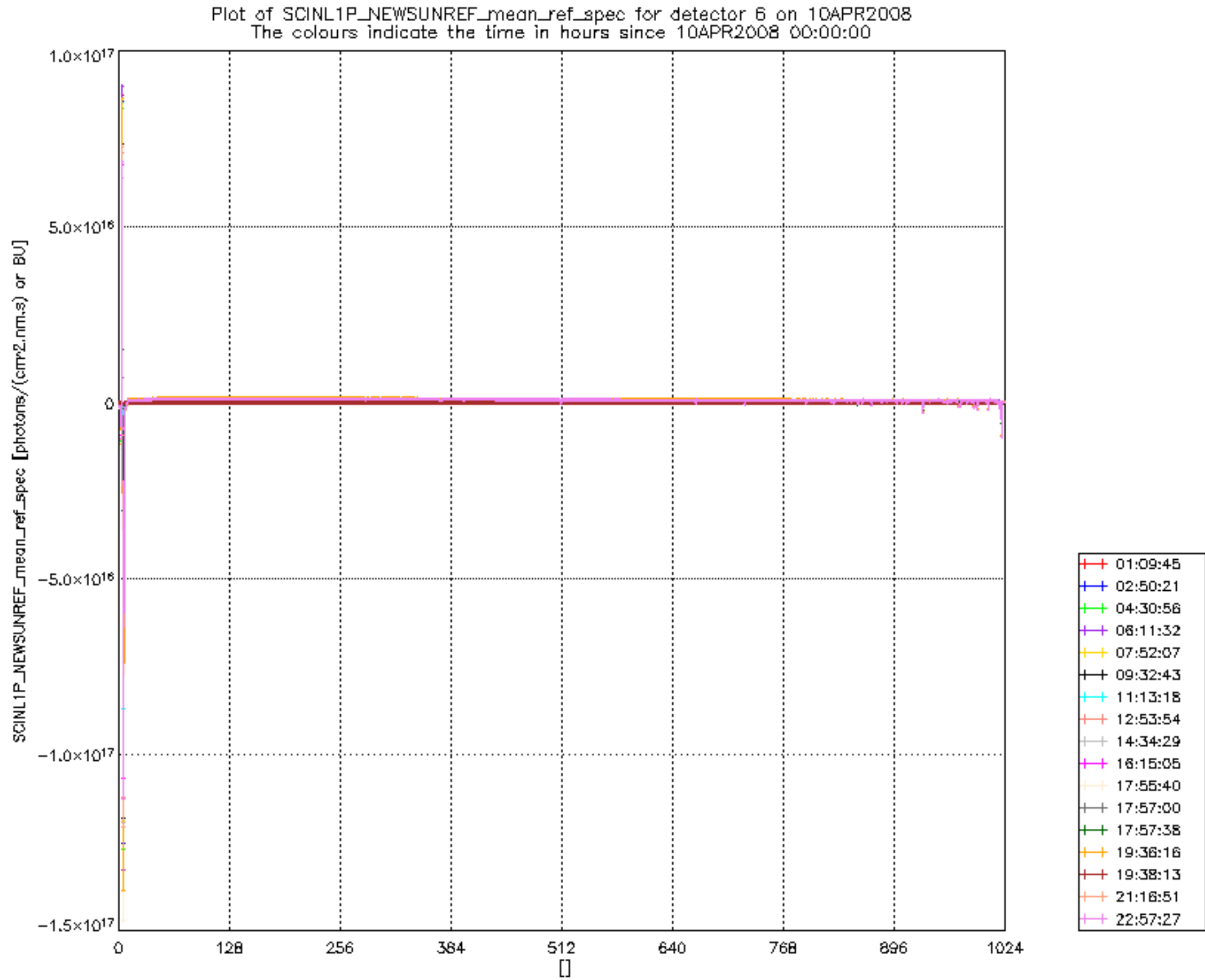


Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector 4 on 10APR2008
The colours indicate the time in hours since 10APR2008 00:00:00

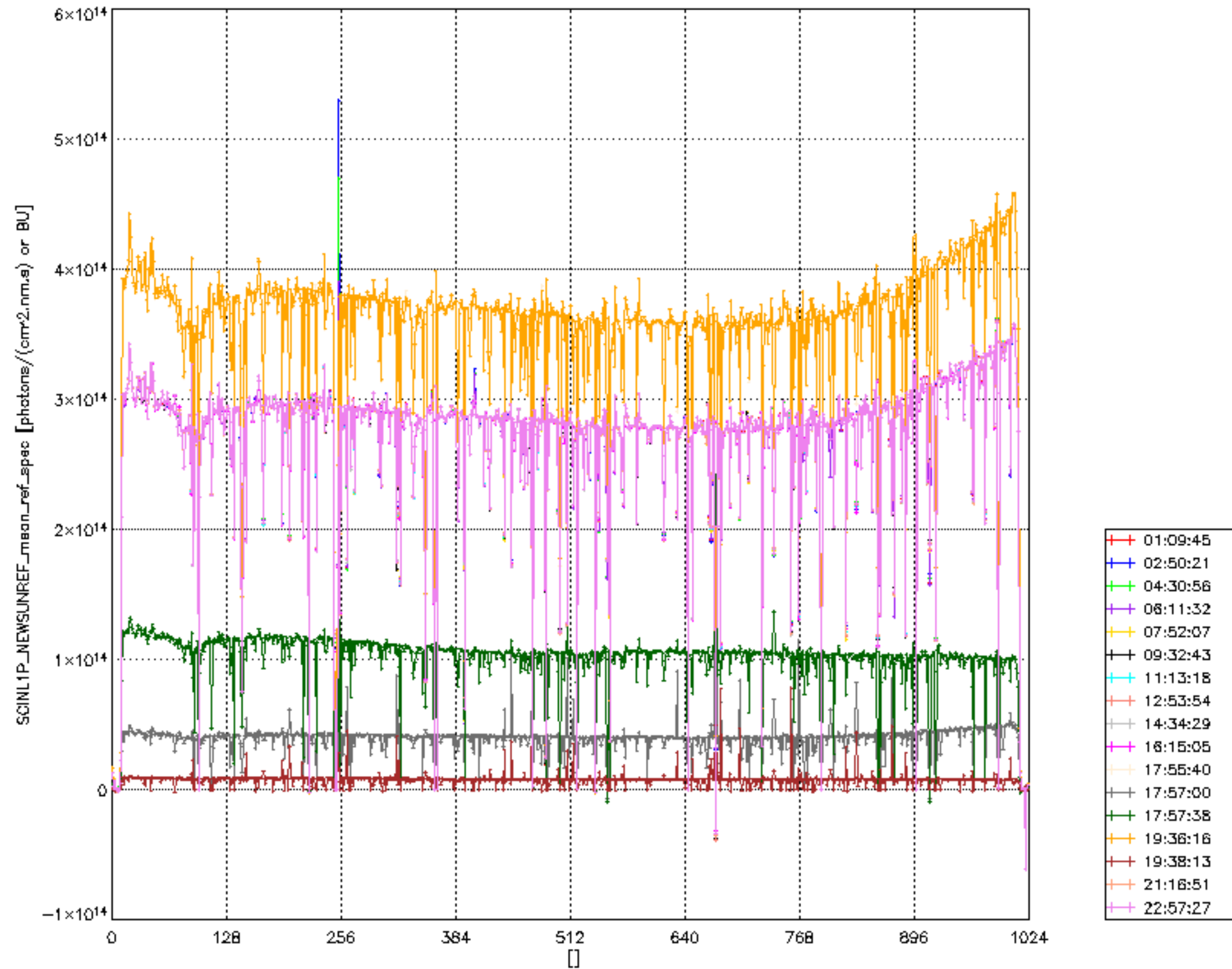


Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector 5 on 10APR2008
The colours indicate the time in hours since 10APR2008 00:00:00

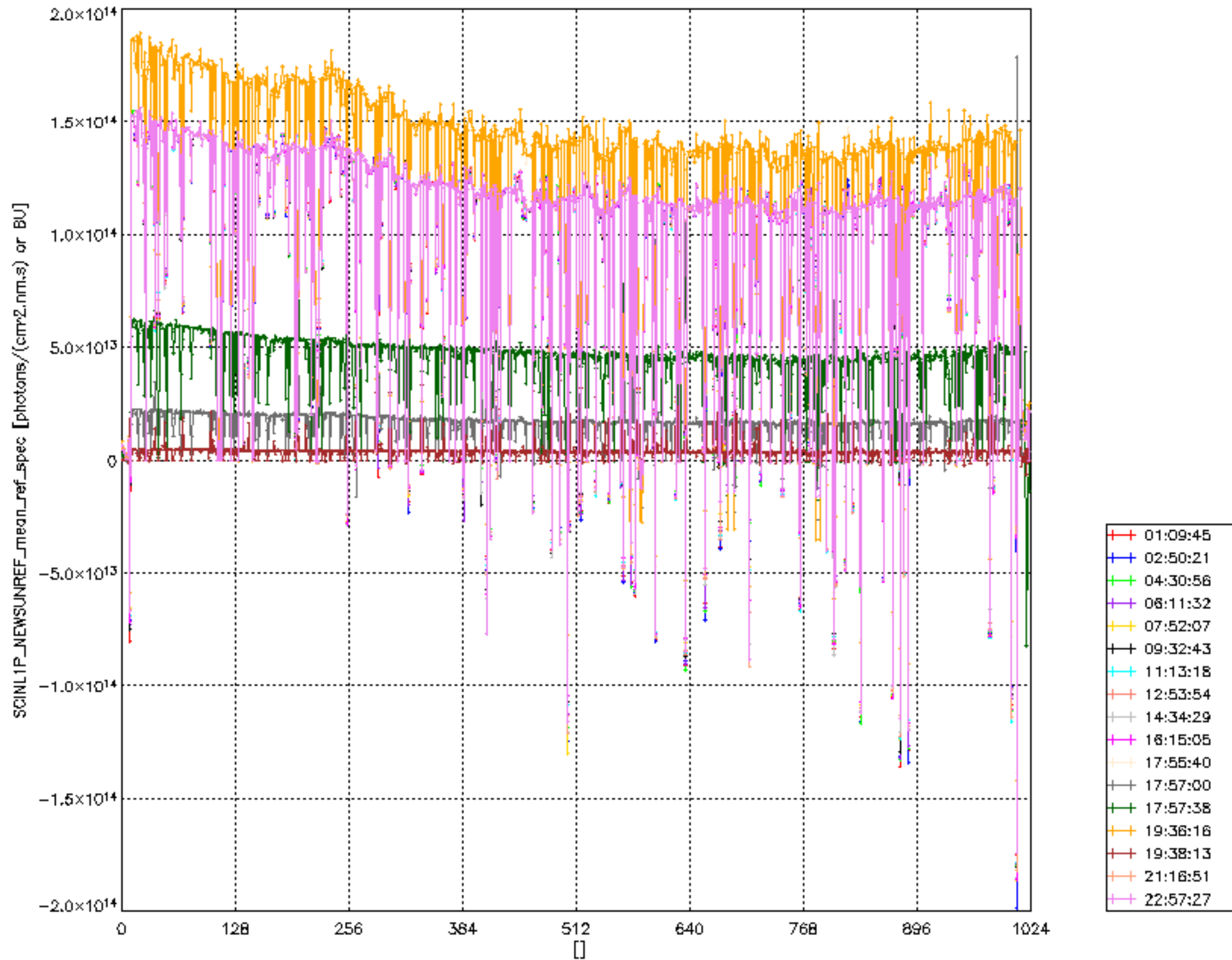




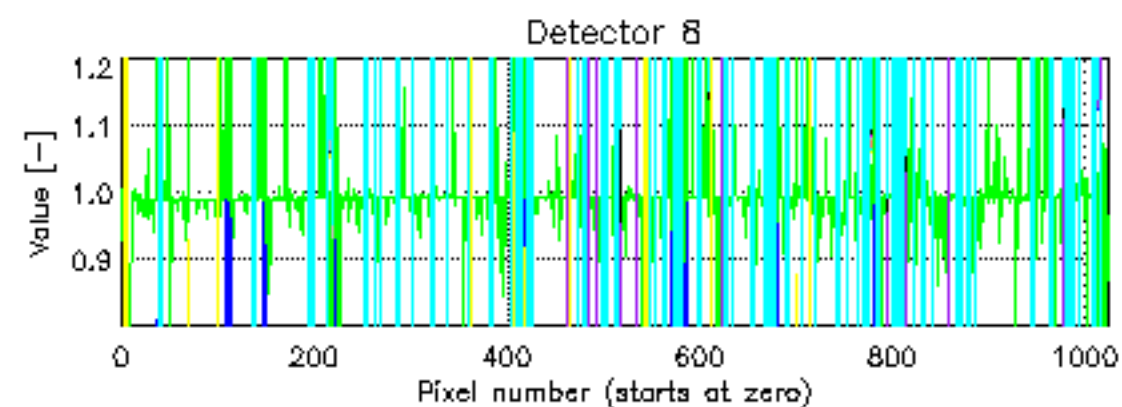
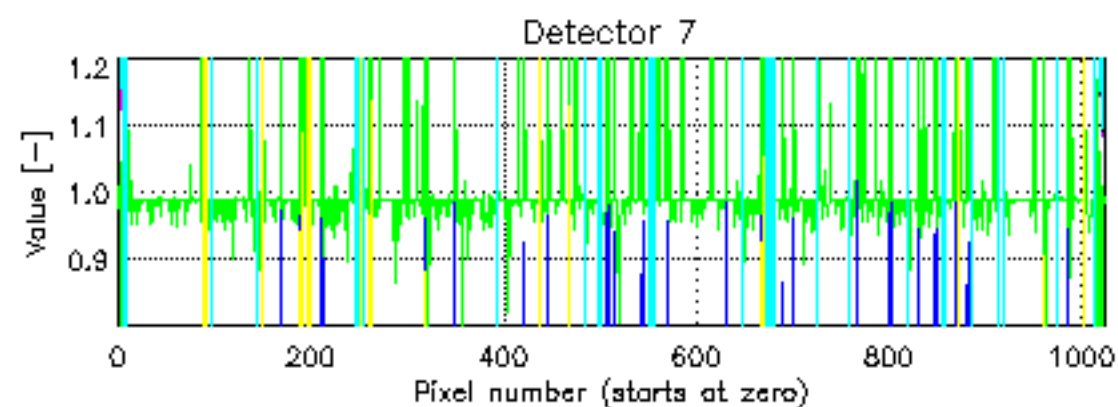
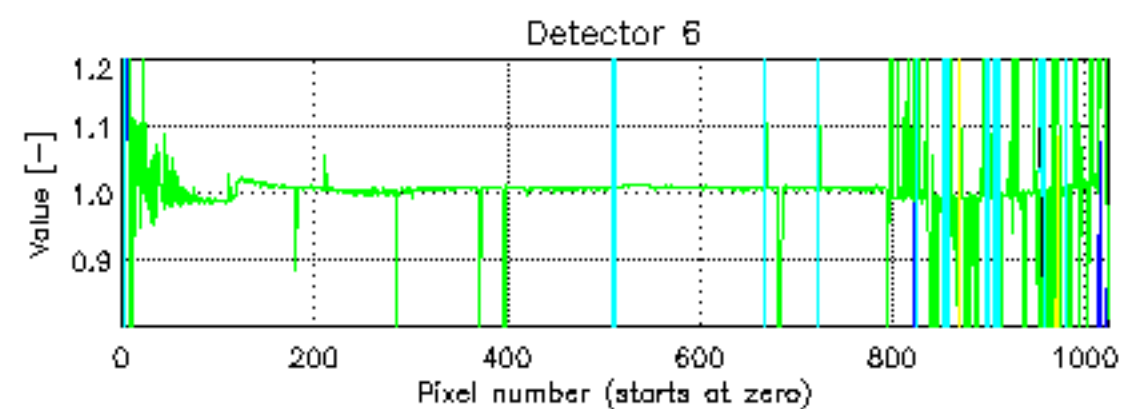
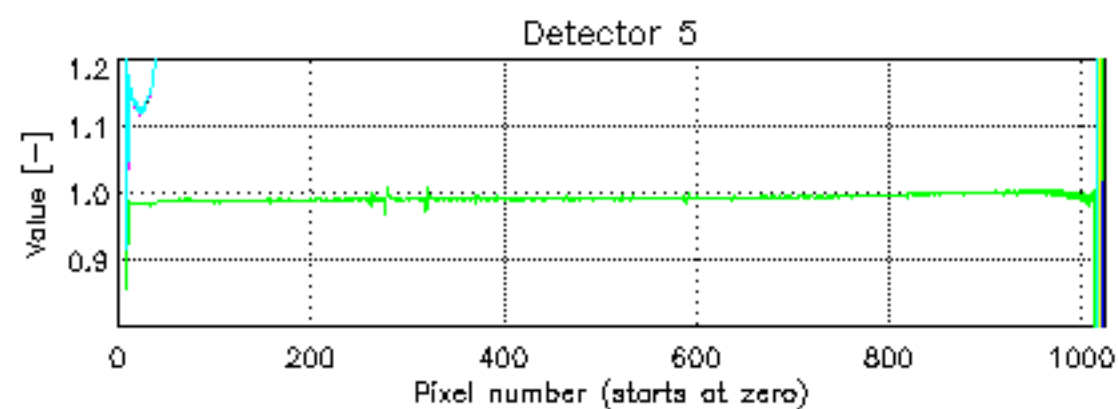
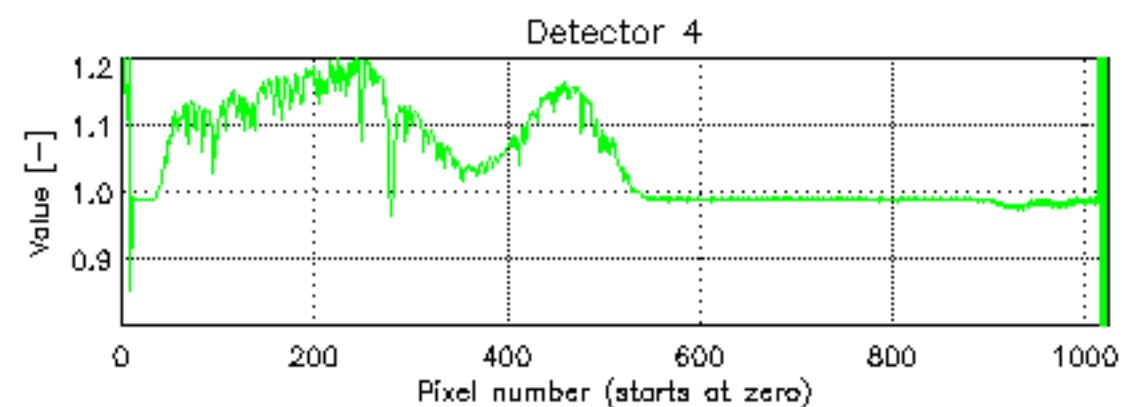
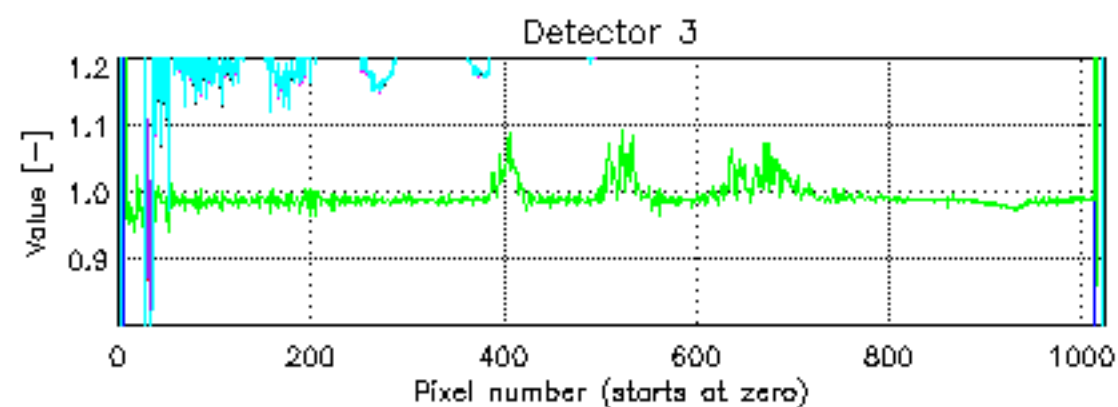
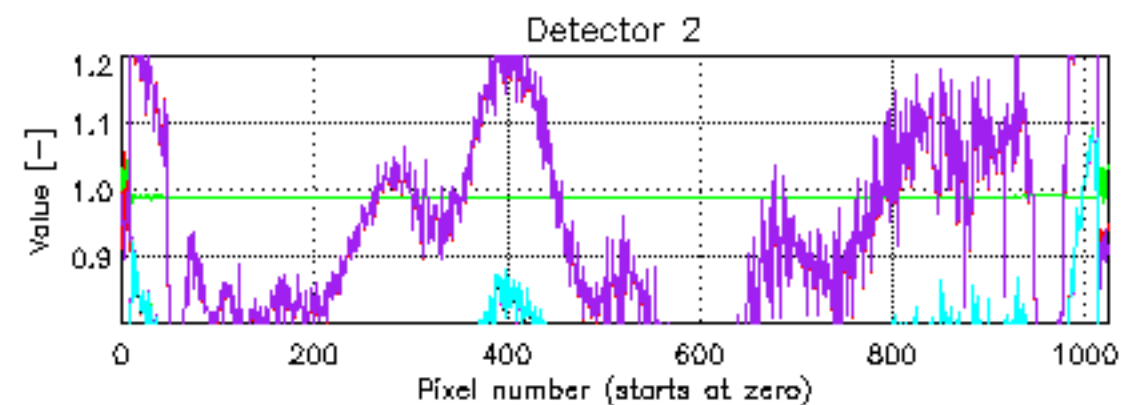
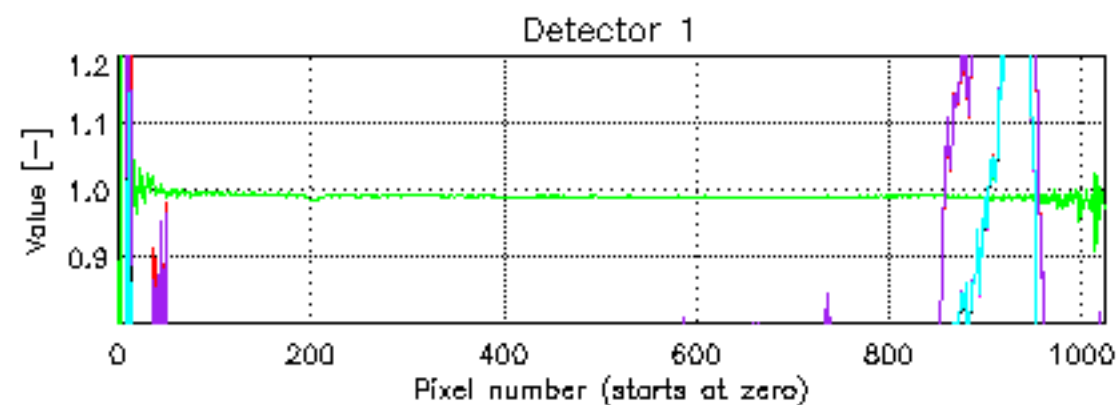
Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector 7 on 10APR2008
The colours indicate the time in hours since 10APR2008 00:00:00



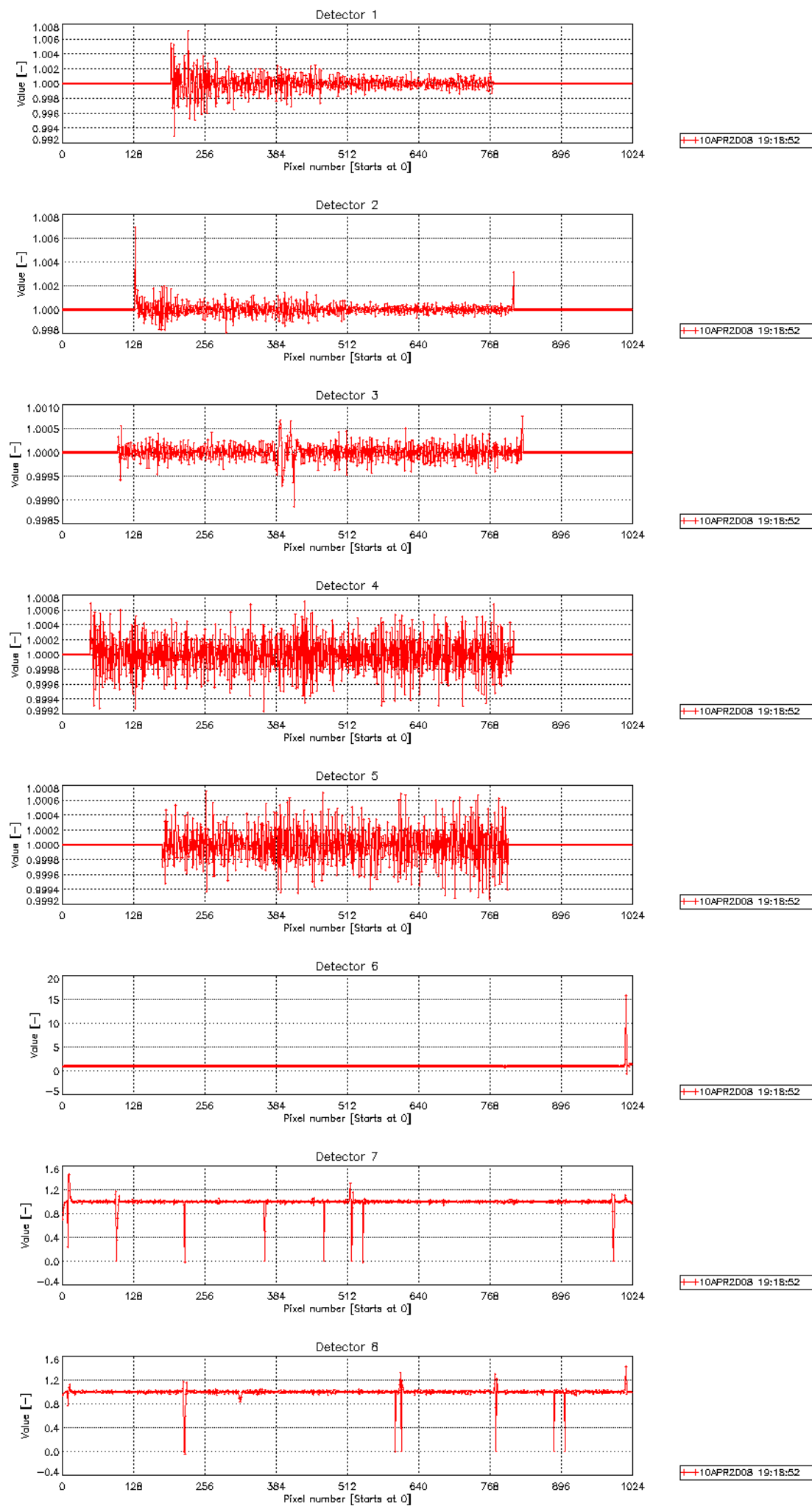
Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector B on 10APR2008
The colours indicate the time in hours since 10APR2008 00:00:00



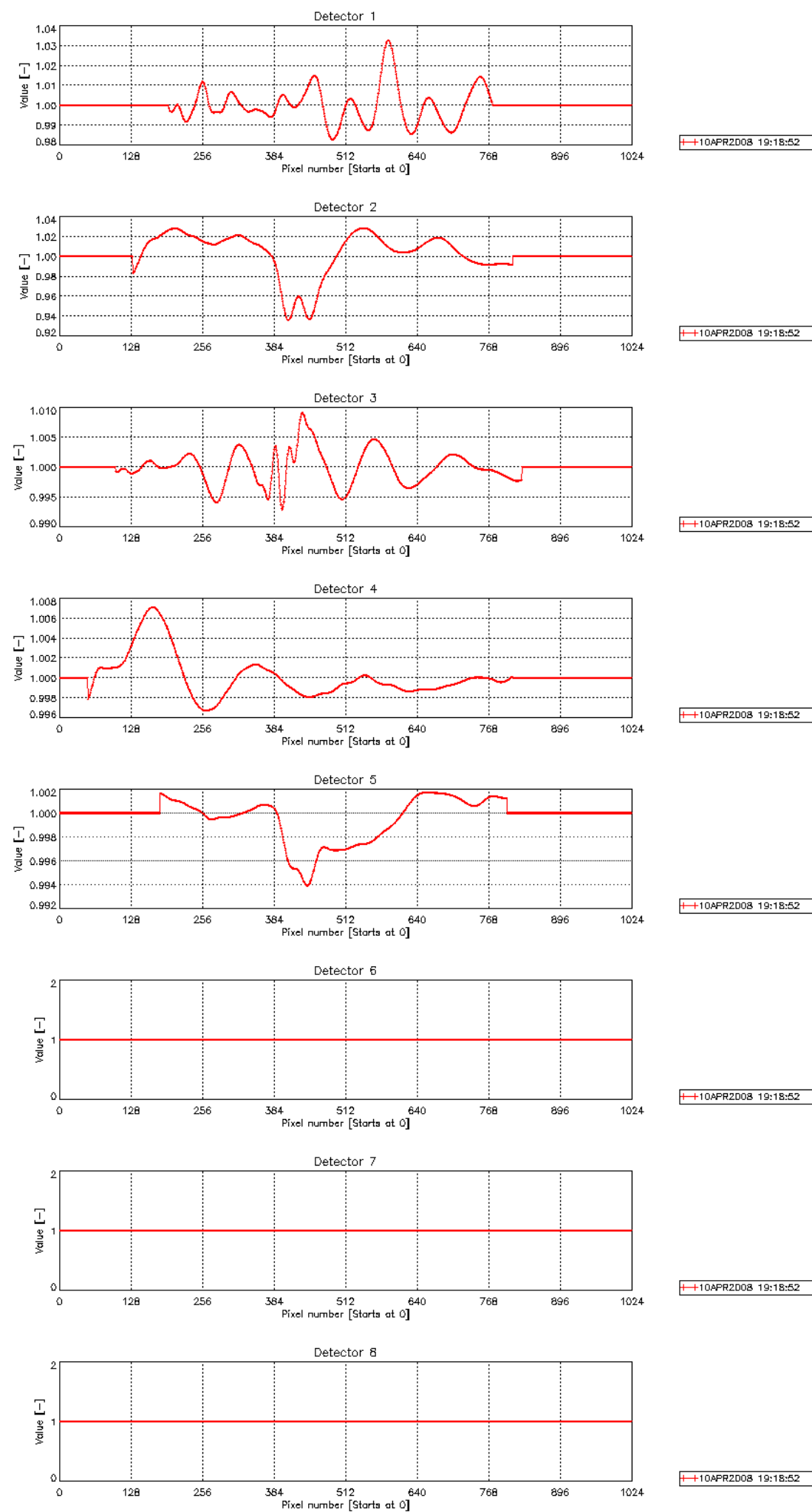
Ratio plot of D0 (ndf=1) sunref data vs. ADF
 ADF: SCLSU1_AXMEC20080409_030438_20080405_171901_20080420_185808



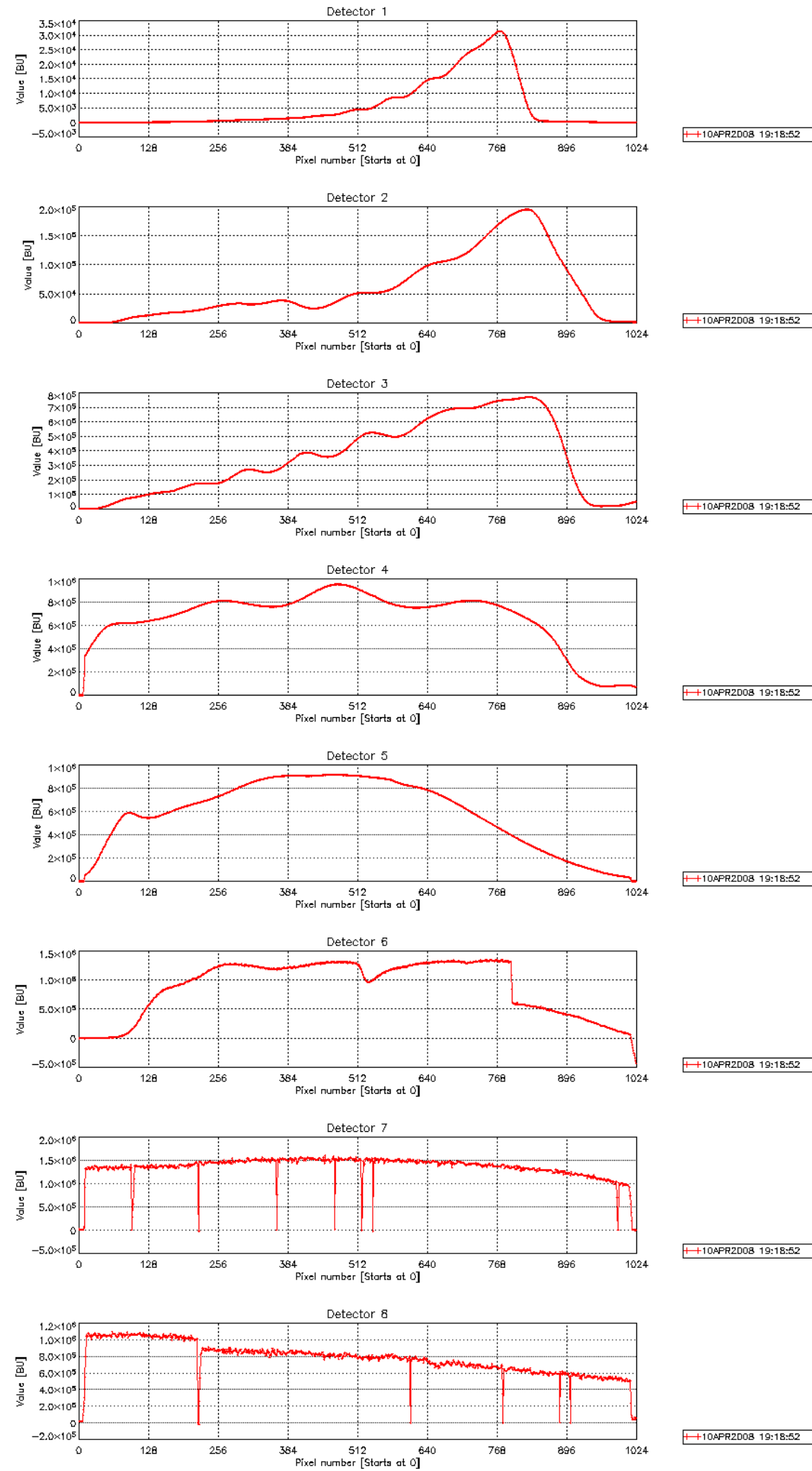
Plot of SCINL1P_NEWPPGETA_pix_gain_fact for each channel



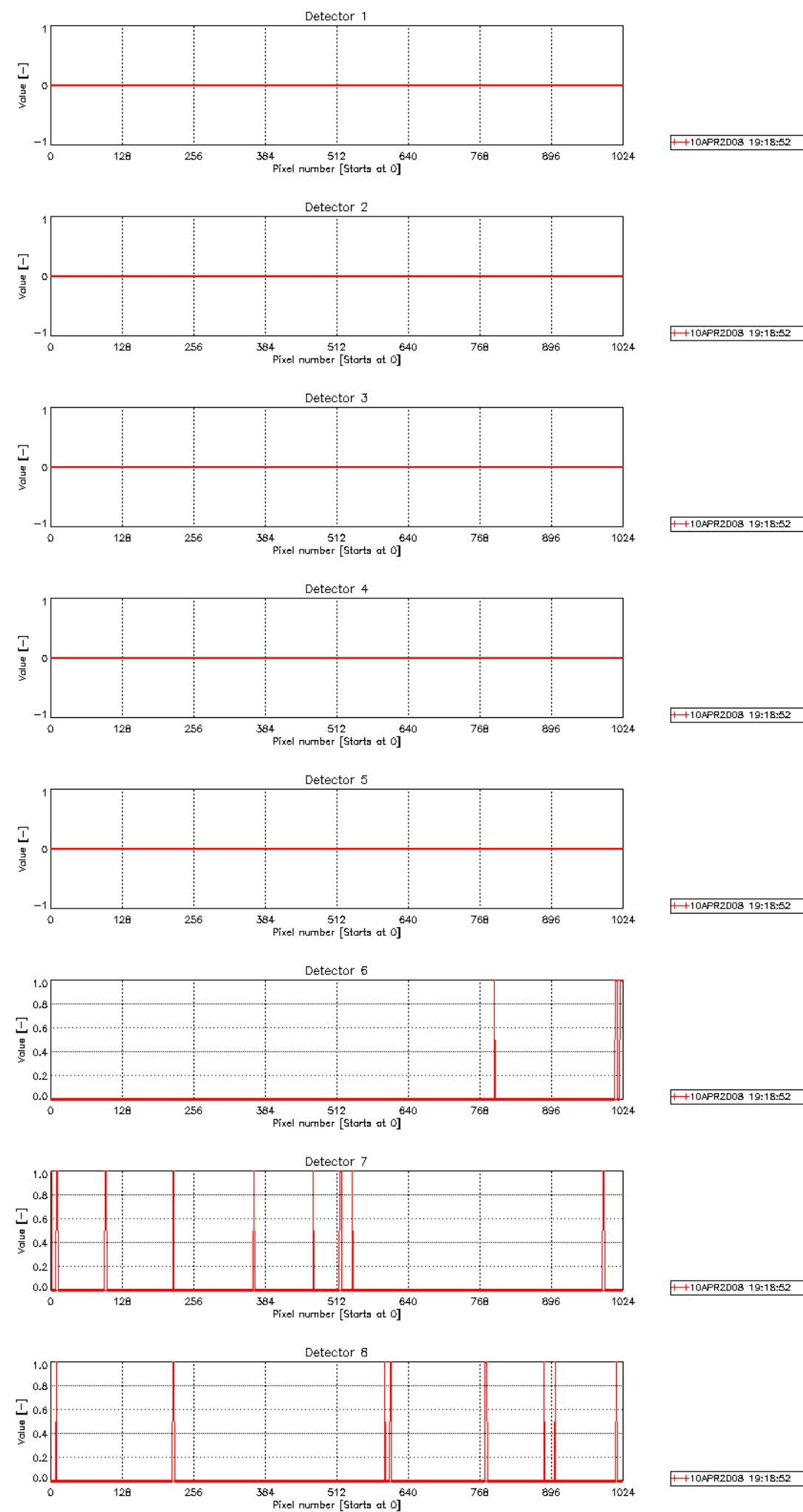
Plot of SCINL1P_NEWPPGETA_eta_corr_fac for each channel

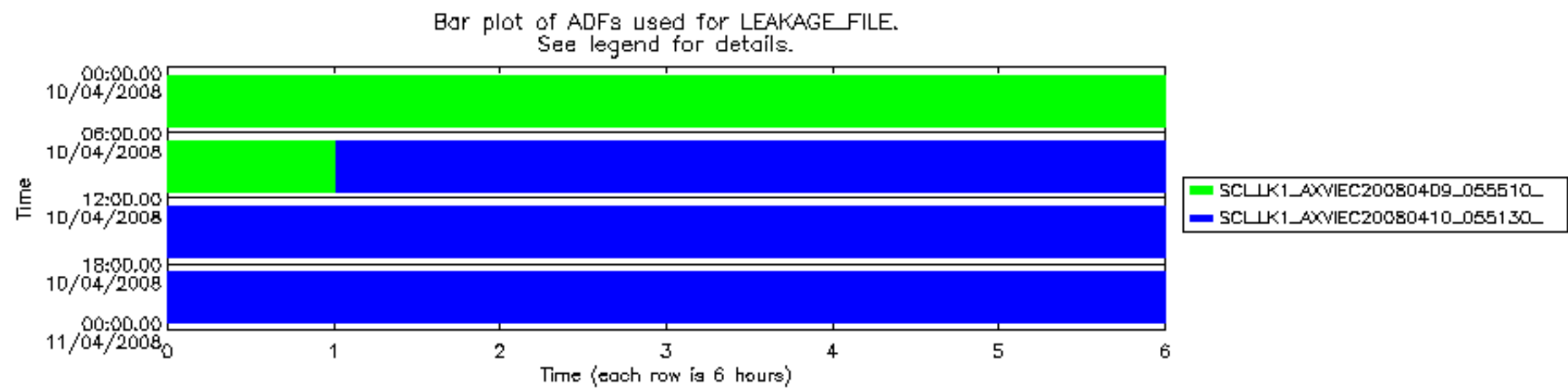


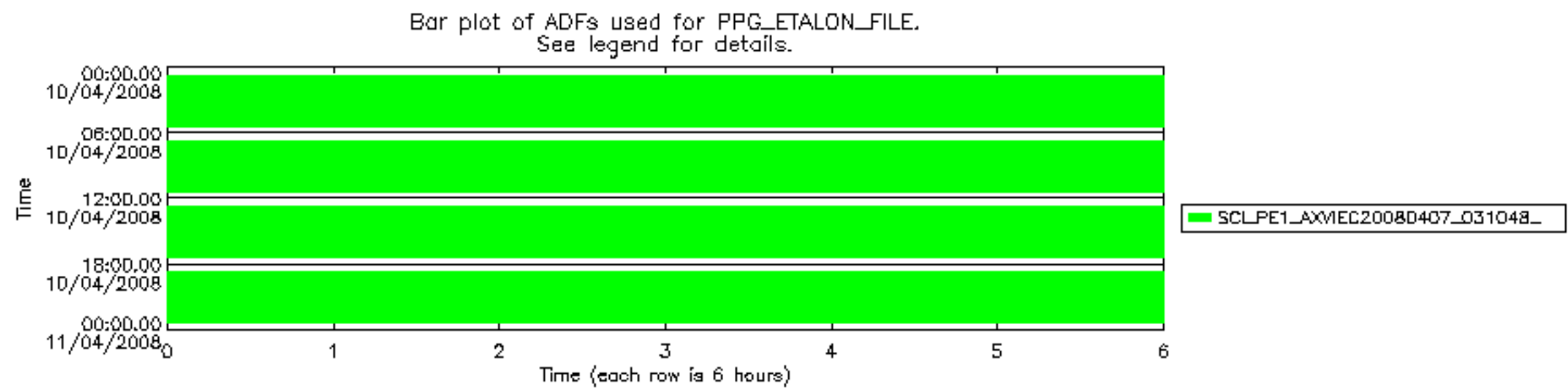
Plot of SCINL1P_NEWPPGETA_avg_wls_spec_ppg_eta for each channel

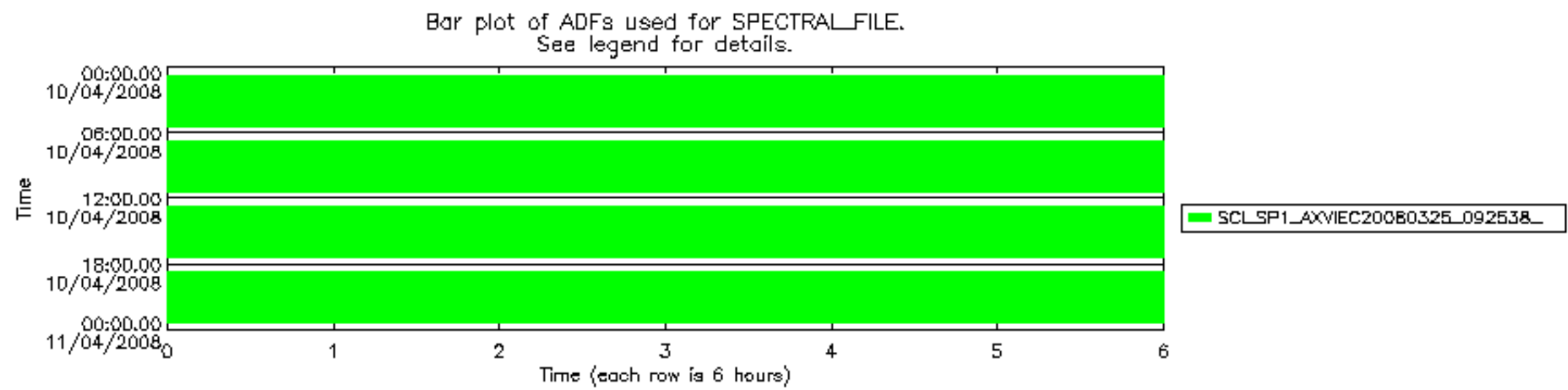


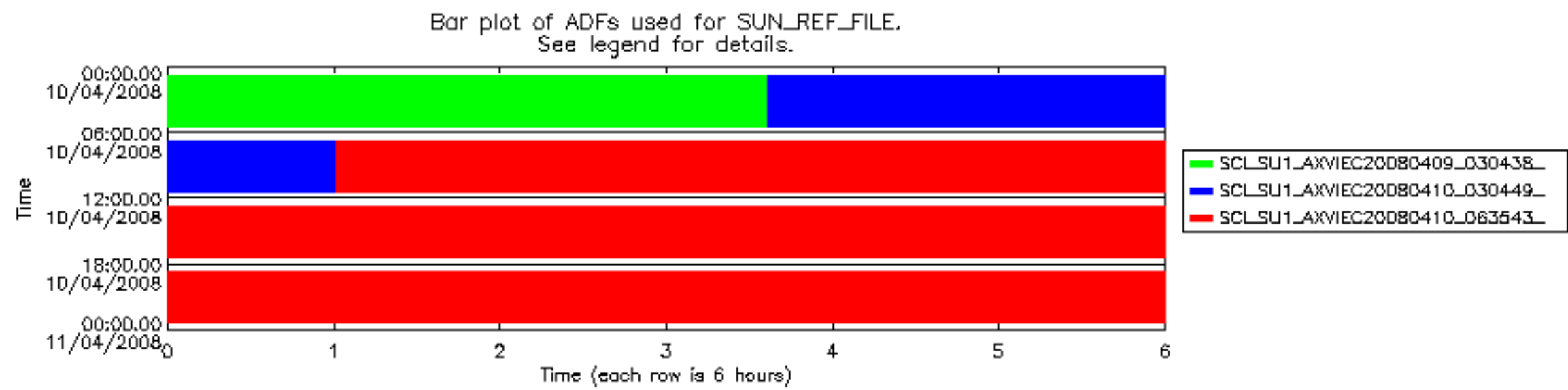
Plot of SCINL1P_NEWPPGETA_bad_pix_mask for each channel

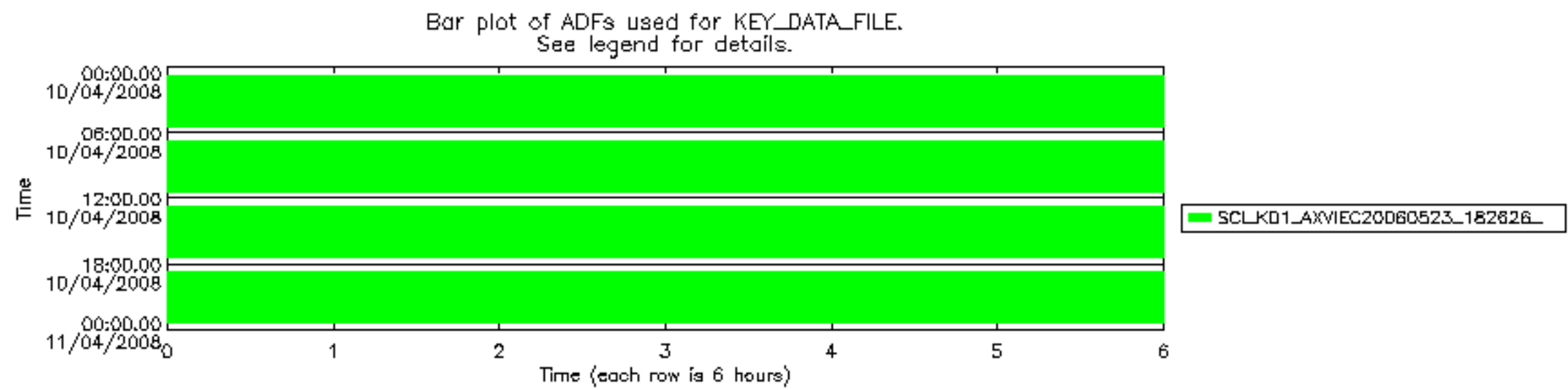


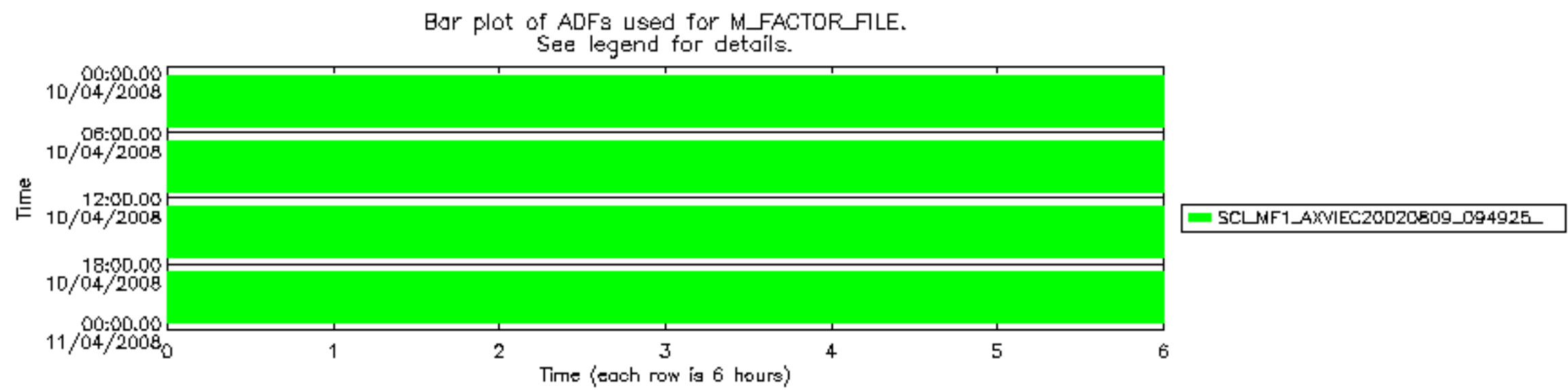


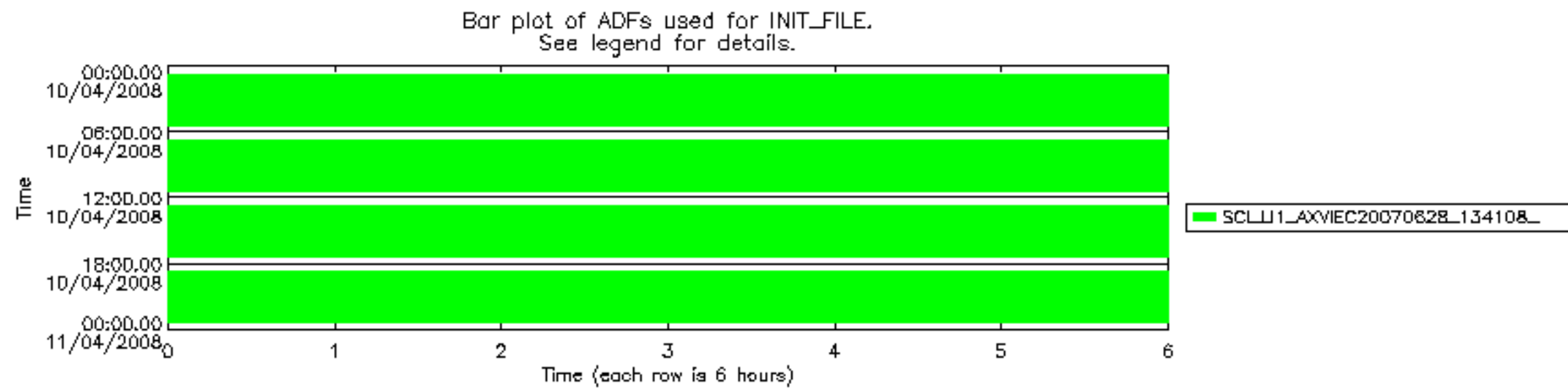


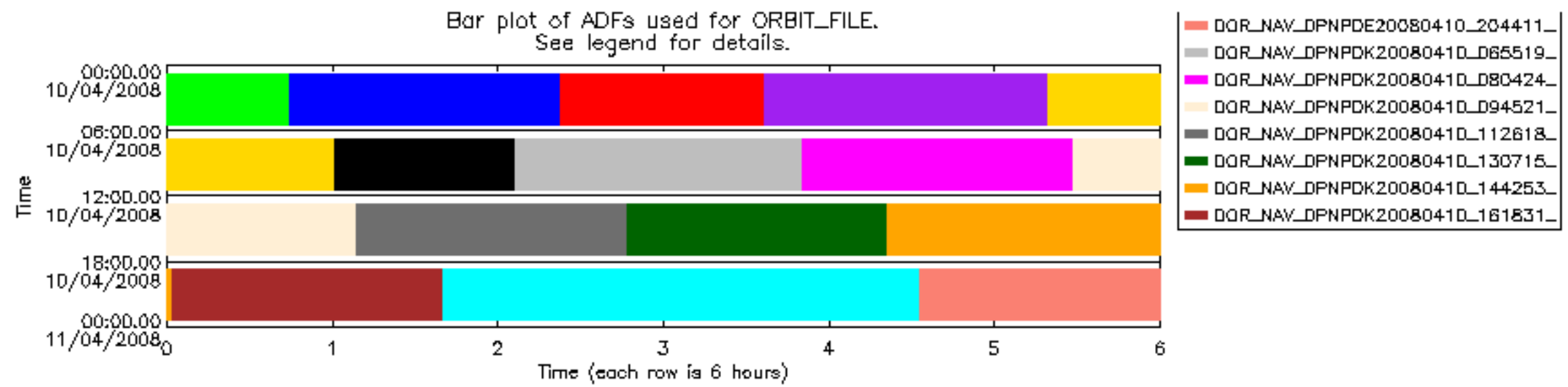


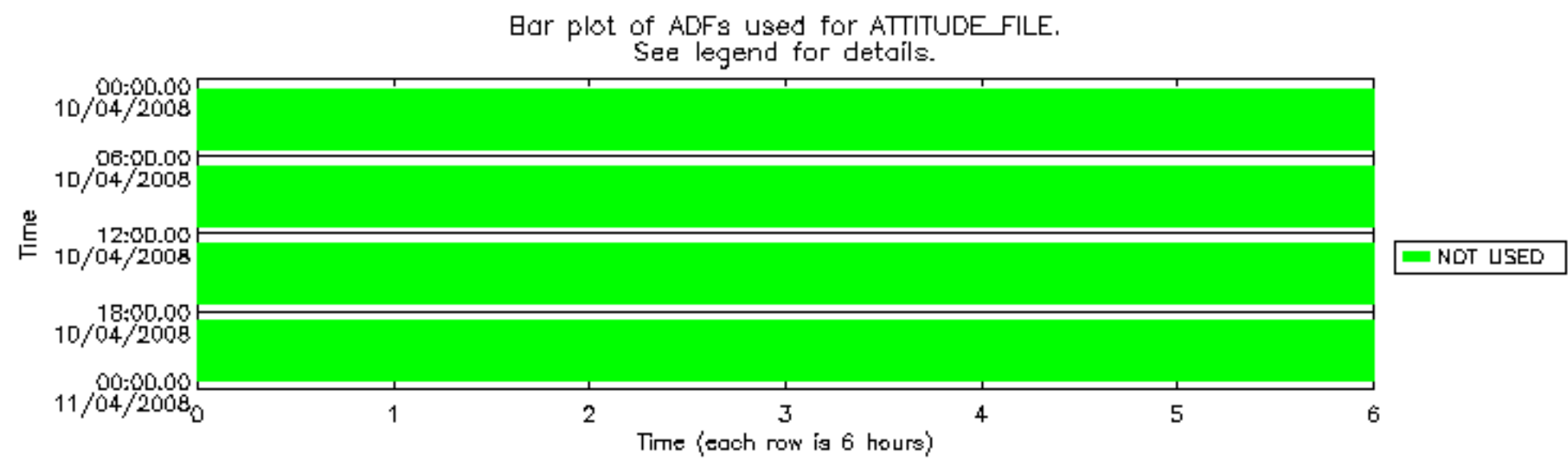












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 10APR2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

