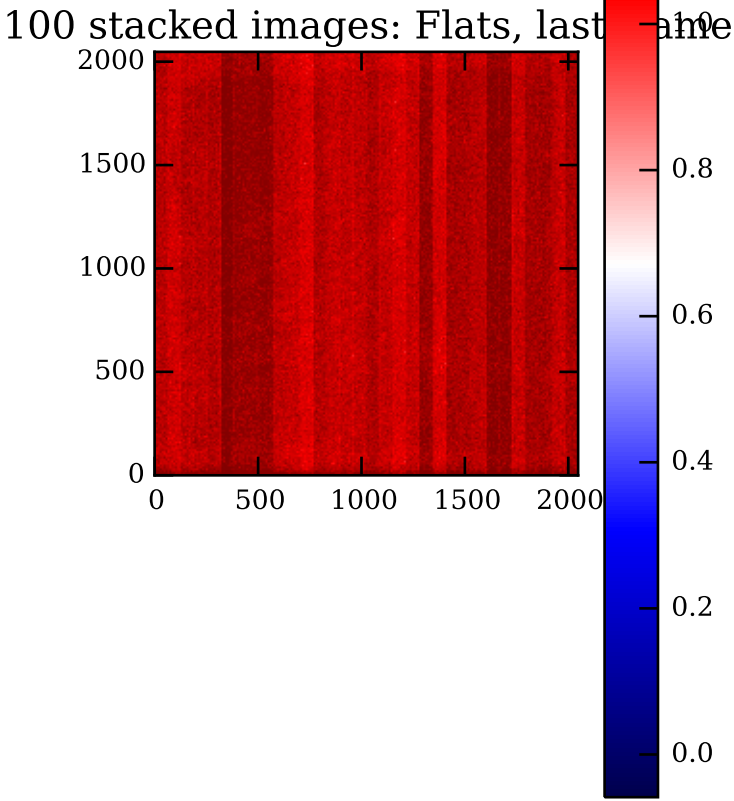
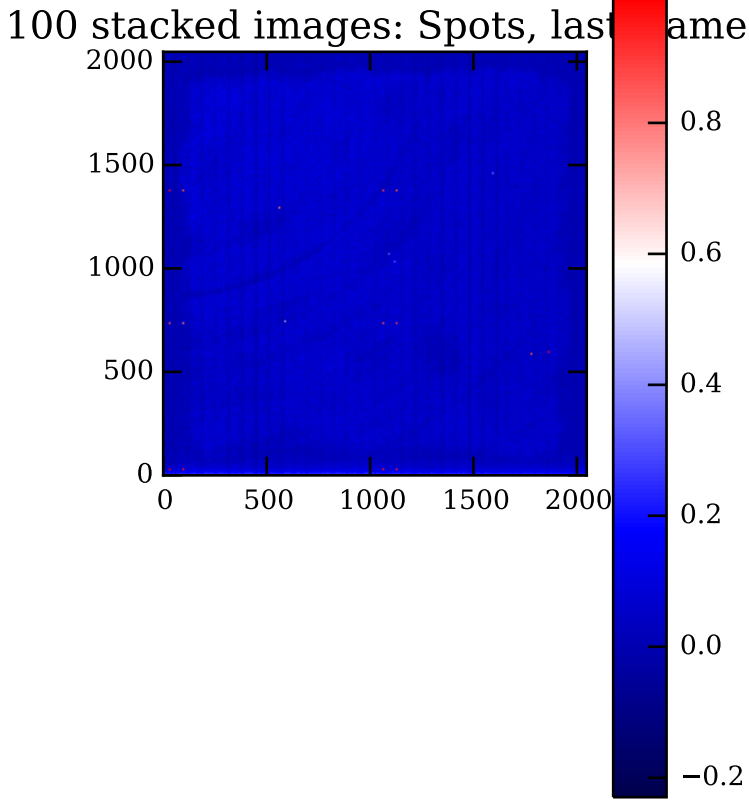
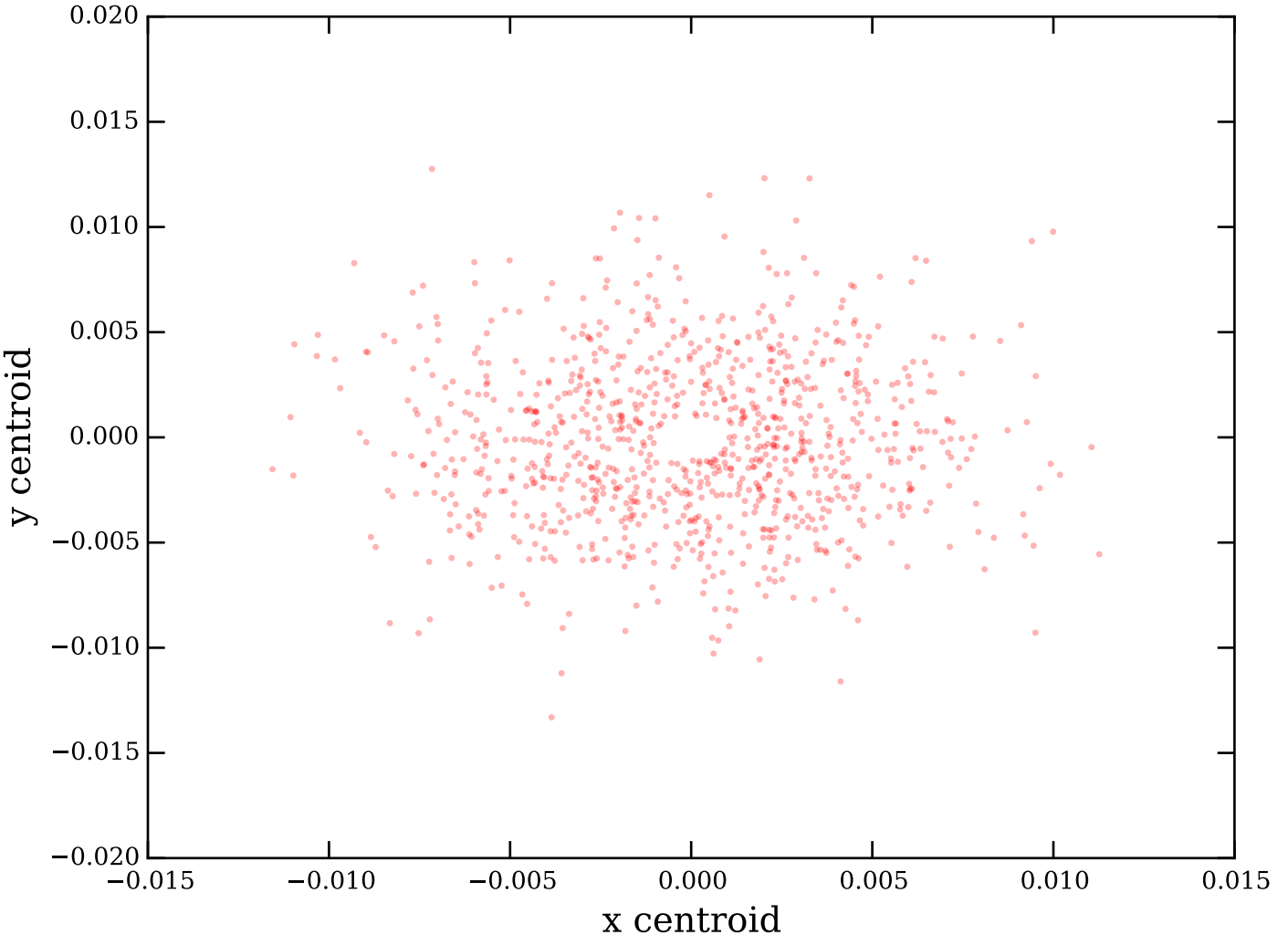
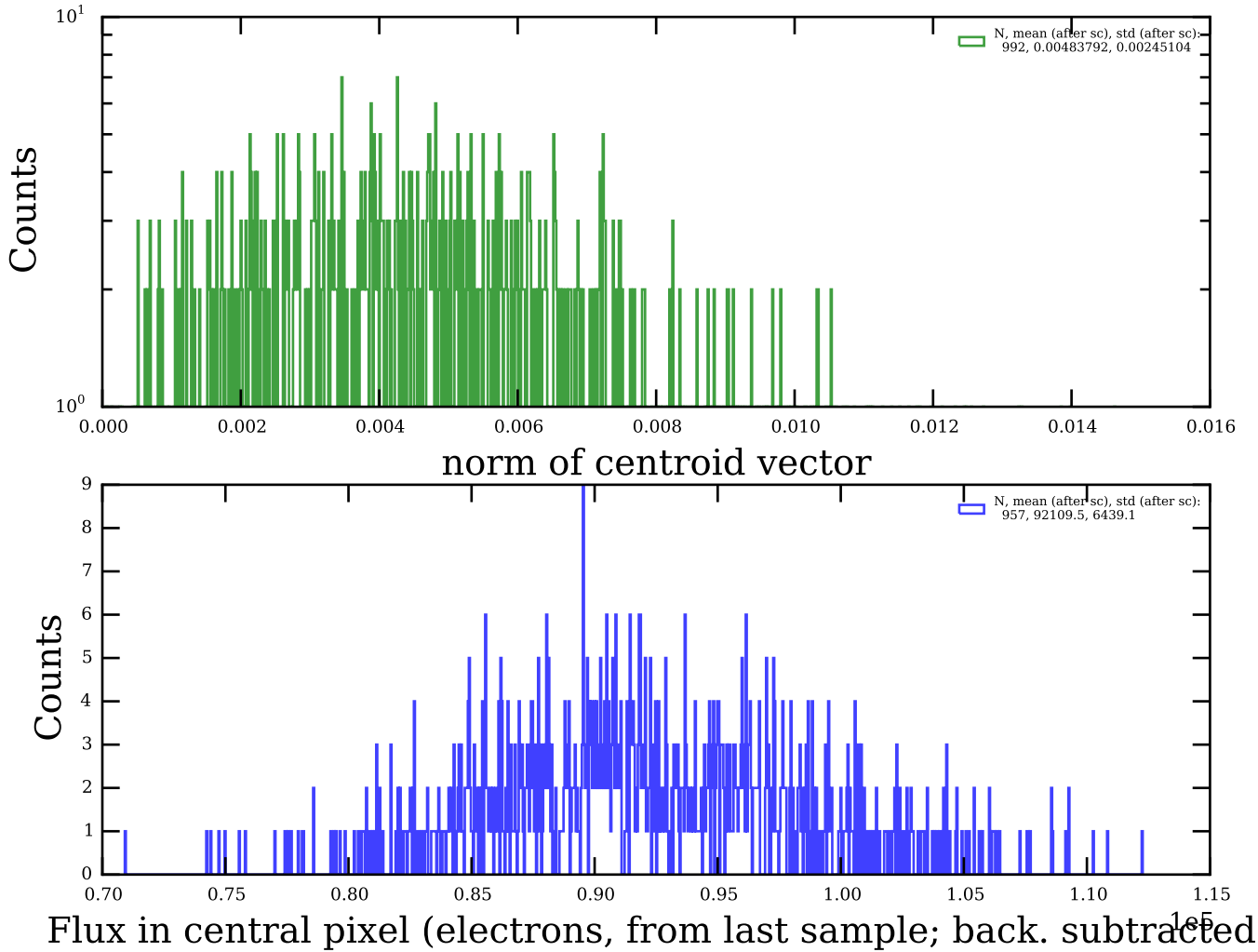
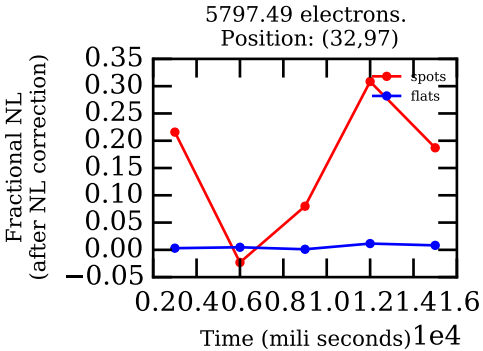
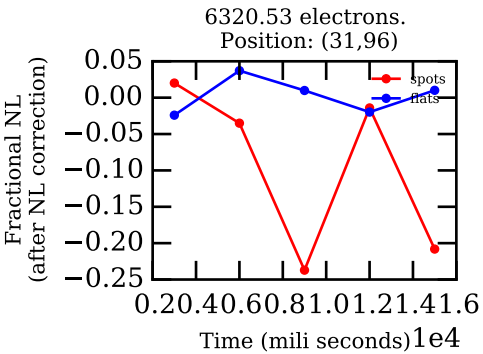

100 stacked images: Flats, last frame
1e5
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2000
1500
1000
500
0
0
500
1000
1500
2000

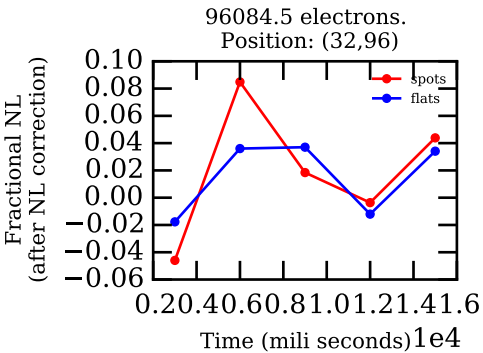

100 stacked images: Spots, last frame
1e5
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
2000
1500
1000
500
0
0
500
1000
1500
2000

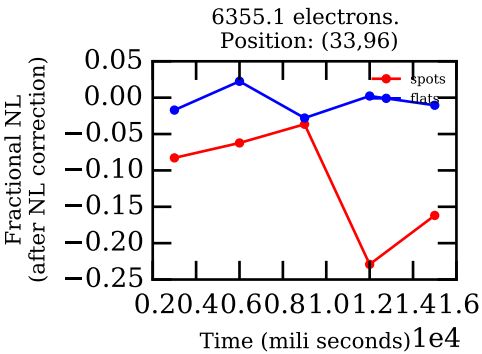

0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
−0.015
−0.020
y centroid
−0.015
−0.010
−0.005
0.000
0.005
0.010
0.015
x centroid

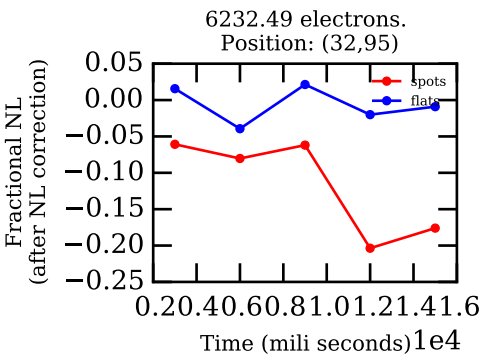

N, mean (after sc), std (after sc):
992, 0.00483792, 0.00245104
Counts
norm of centroid vector
N, mean (after sc), std (after sc):
957, 92109.5, 6439.1
Counts
Flux in central pixel (electrons, from last sample; back. subtracted)
1e5

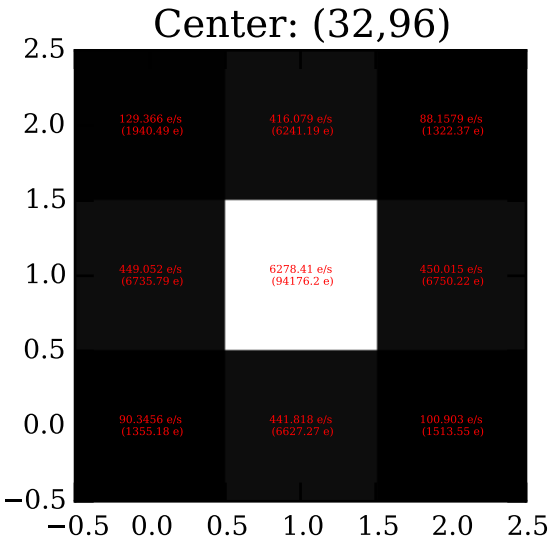

5797.49 electrons.
Position: (32,97)
Fractional NL
(after NL correction)
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
−0.05
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

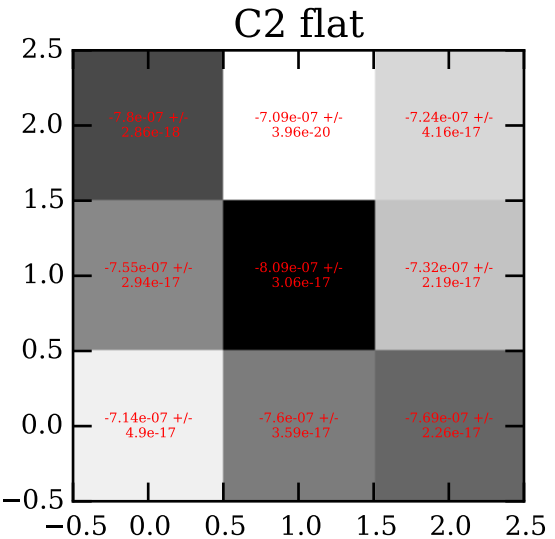

6320.53 electrons.
Position: (31,96)
Fractional NL
(after NL correction)
0.05
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

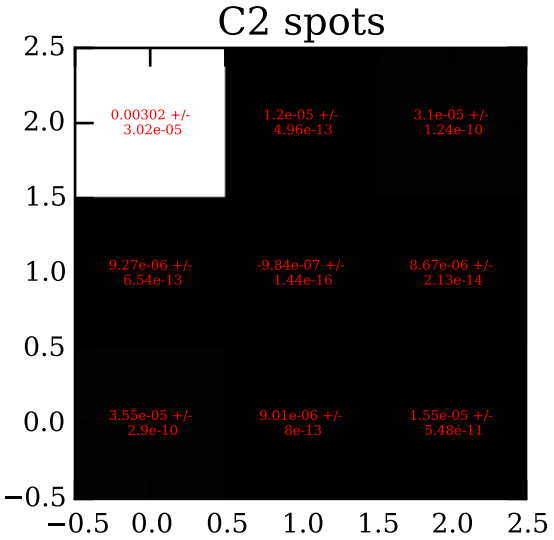

96084.5 electrons.
Position: (32,96)
Fractional NL
(after NL correction)
0.10
0.08
0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

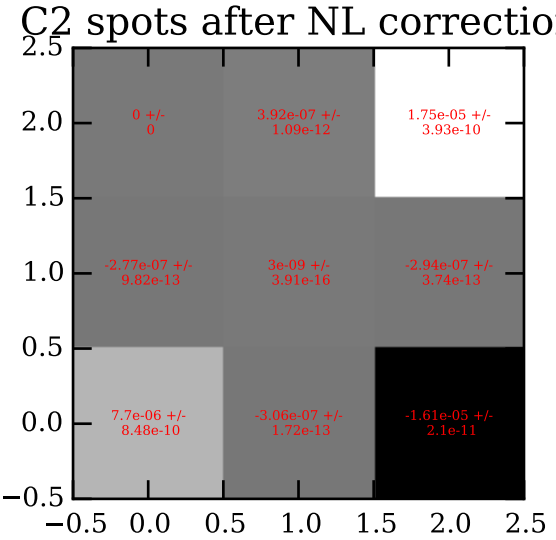

6355.1 electrons.
Position: (33,96)
Fractional NL
(after NL correction)
0.05
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

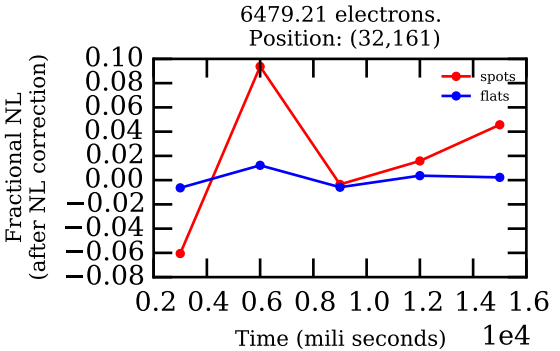

6232.49 electrons.
Position: (32,95)
Fractional NL
(after NL correction)
0.05
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

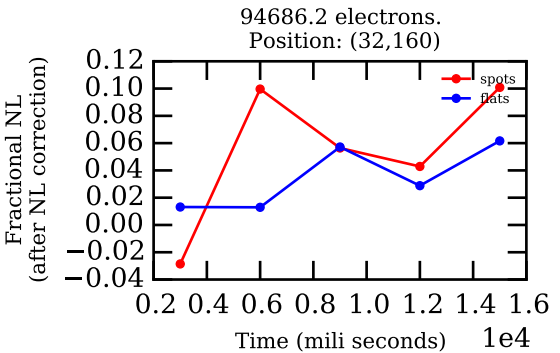

Center: (32,96)
129.366 e/s
(1940.49 e)
416.079 e/s
(6241.19 e)
88.1579 e/s
(1322.37 e)
449.052 e/s
(6735.79 e)
6278.41 e/s
(94176.2 e)
450.015 e/s
(6750.22 e)
90.3456 e/s
(1355.18 e)
441.818 e/s
(6627.27 e)
100.903 e/s
(1513.55 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

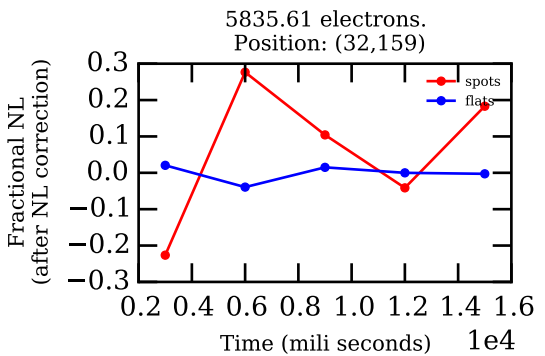

C2 flat
-7.8e-07 +/-
2.88e-18
-7.09e-07 +/-
3.96e-20
-7.24e-07 +/-
4.16e-17
-7.55e-07 +/-
2.94e-17
-8.09e-07 +/-
3.06e-17
-7.32e-07 +/-
2.19e-17
-7.14e-07 +/-
4.9e-17
-7.6e-07 +/-
3.59e-17
-7.69e-07 +/-
2.26e-17
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

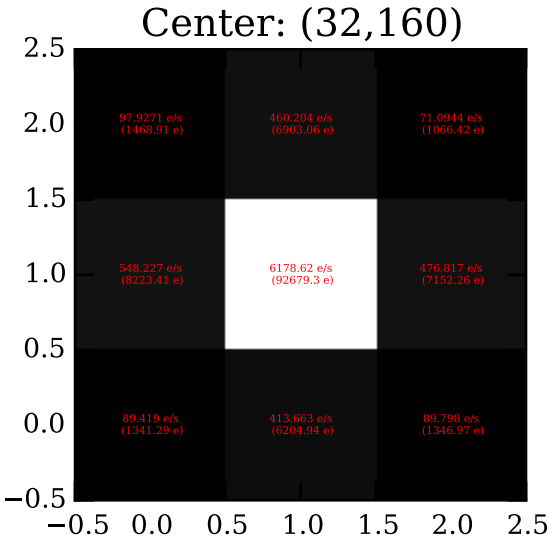

C2 spots
0.00302 +/-
3.02e-05
1.2e-05 +/-
4.96e-13
3.1e-05 +/-
1.24e-10
9.27e-06 +/-
6.54e-13
-9.84e-07 +/-
1.44e-16
8.67e-06 +/-
2.13e-14
3.55e-05 +/-
2.9e-10
9.01e-06 +/-
8e-13
1.55e-05 +/-
5.48e-11
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

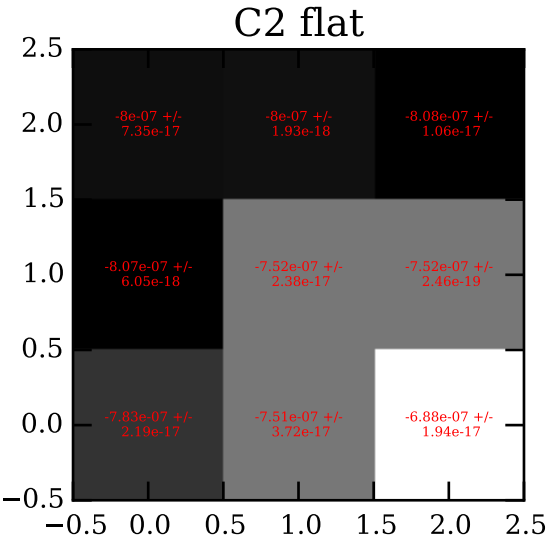

C2 spots after NL correction
0 +/-
0
3.92e-07 +/-
1.09e-12
1.75e-05 +/-
3.93e-10
-2.77e-07 +/-
9.82e-13
3e-09 +/-
3.91e-16
-2.94e-07 +/-
3.74e-13
7.7e-06 +/-
8.48e-10
-3.06e-07 +/-
1.72e-13
-1.61e-05 +/-
2.1e-11
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

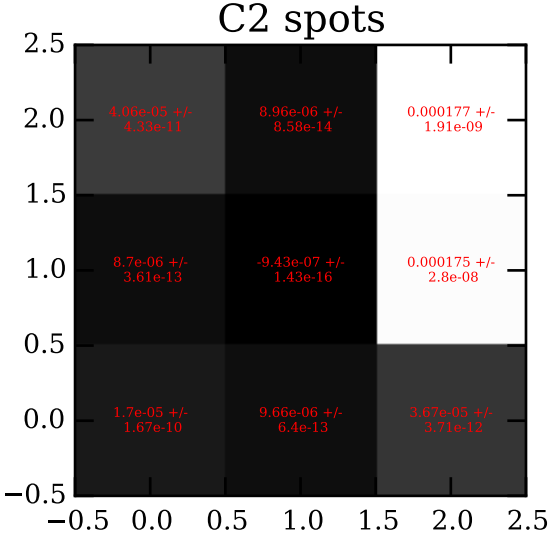

6479.21 electrons.
Position: (32,161)
Fractional NL
(after NL correction)
0.10
0.08
0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
−0.08
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

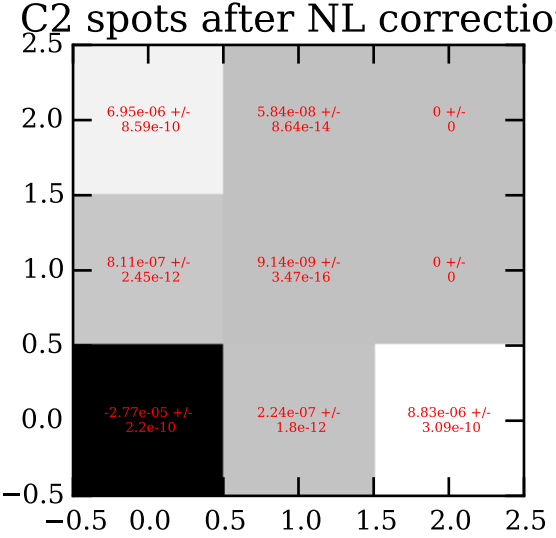

94686.2 electrons.
Position: (32,160)
Fractional NL
(after NL correction)
0.12
0.10
0.08
0.06
0.04
0.02
0.00
−0.02
−0.04
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

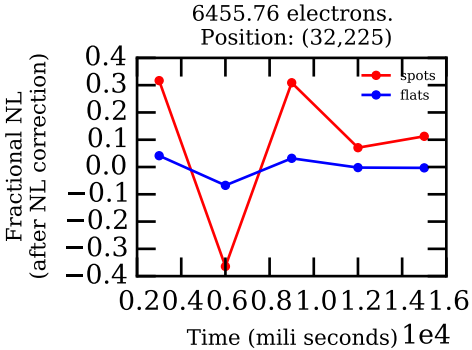

5835.61 electrons.
Position: (32,159)
Fractional NL
(after NL correction)
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

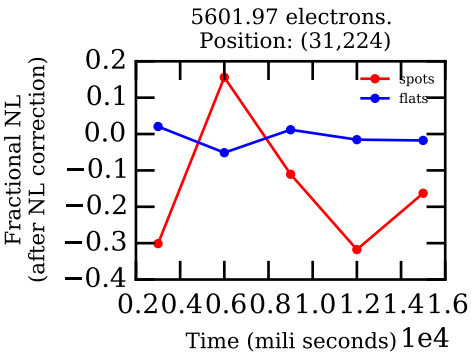

Center: (32,160)
97.9271 e/s
(1468.91 e)
460.204 e/s
(6903.06 e)
71.0944 e/s
(1066.42 e)
548.227 e/s
(8223.41 e)
6178.62 e/s
(92679.3 e)
476.817 e/s
(7152.26 e)
89.419 e/s
(1341.29 e)
413.663 e/s
(6204.94 e)
89.798 e/s
(1346.97 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

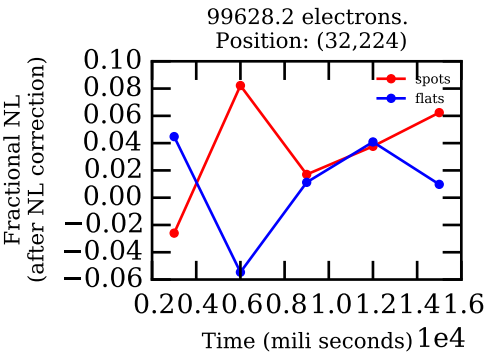

C2 flat
-8e-07 +/-
7.35e-17
-8e-07 +/-
1.93e-18
-8.08e-07 +/-
1.06e-17
-8.07e-07 +/-
6.05e-18
-7.52e-07 +/-
2.38e-17
-7.52e-07 +/-
2.46e-19
-7.83e-07 +/-
2.19e-17
-7.51e-07 +/-
3.72e-17
-6.88e-07 +/-
1.94e-17
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

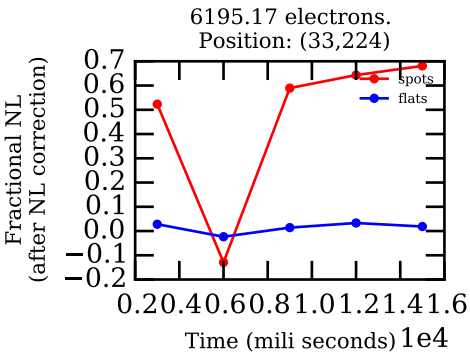

C2 spots
4.06e-05 +/-
4.33e-11
8.96e-06 +/-
8.58e-14
0.000177 +/-
1.91e-09
8.7e-06 +/-
3.61e-13
-9.43e-07 +/-
1.43e-16
0.000175 +/-
2.8e-08
1.7e-05 +/-
1.67e-10
9.66e-06 +/-
6.4e-13
3.67e-05 +/-
3.71e-12
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

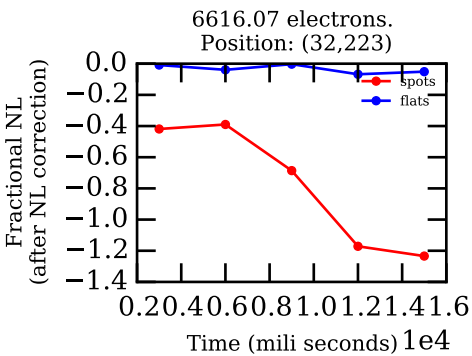

C2 spots after NL correction
6.95e-06 +/-
8.59e-10
5.84e-08 +/-
8.64e-14
0 +/-
0
8.11e-07 +/-
2.45e-12
9.14e-09 +/-
3.47e-16
0 +/-
0
-2.77e-05 +/-
2.2e-10
2.24e-07 +/-
1.8e-12
8.83e-06 +/-
3.09e-10
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

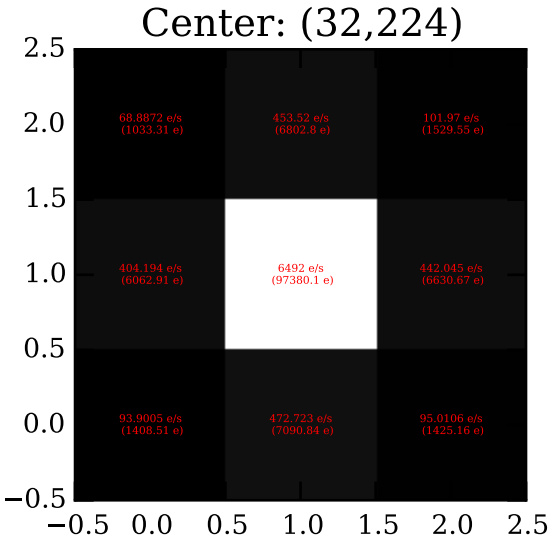

6455.76 electrons.
Position: (32,225)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

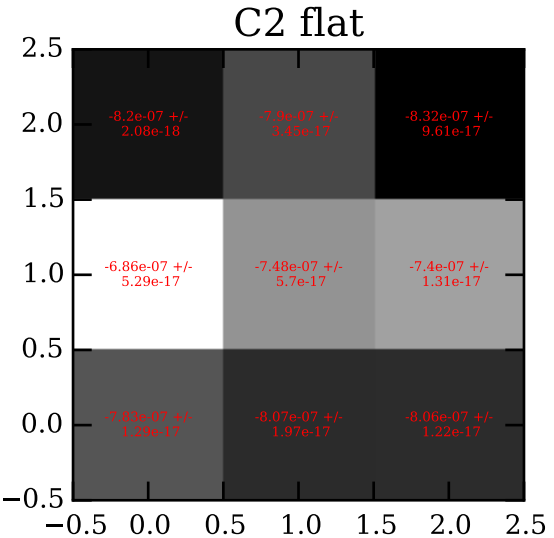

5601.97 electrons.
Position: (31,224)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

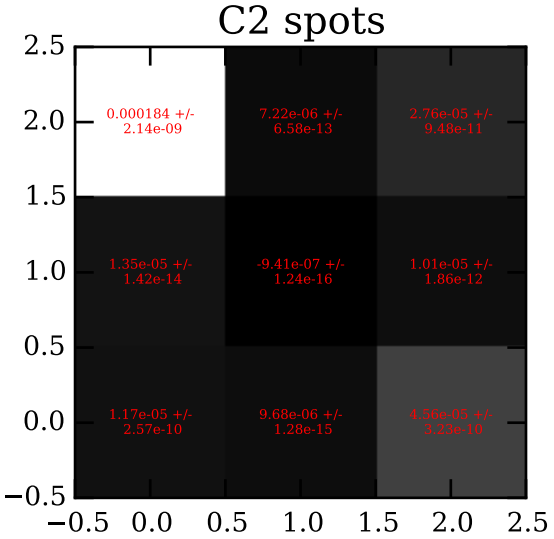

99628.2 electrons.
Position: (32,224)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

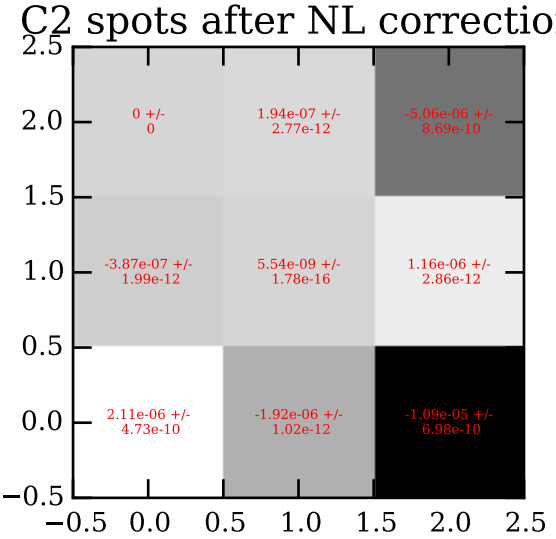

6195.17 electrons.
Position: (33,224)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

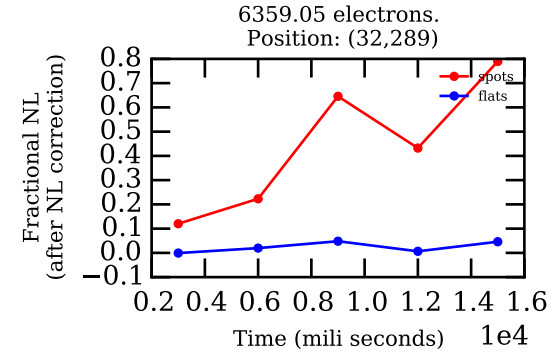

6616.07 electrons.
Position: (32,223)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

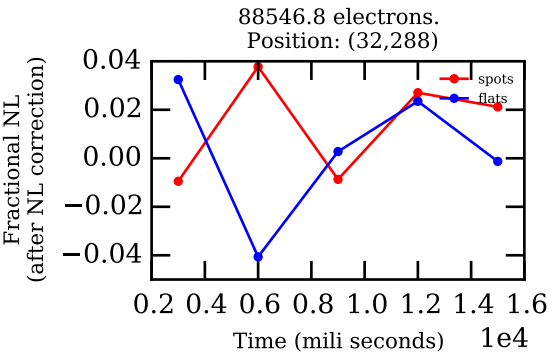

Center: (32,224)
68.8872 e/s
(1033.31 e)
453.52 e/s
(6802.8 e)
101.97 e/s
(1529.55 e)
404.194 e/s
(6062.91 e)
6492 e/s
(97380.1 e)
442.045 e/s
(6630.67 e)
93.9005 e/s
(1408.51 e)
472.723 e/s
(7090.84 e)
95.0106 e/s
(1425.16 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

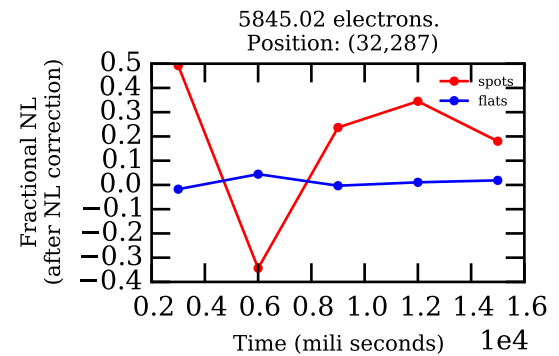

C2 flat
-8.2e-07 +/-
2.08e-18
-7.9e-07 +/-
3.43e-17
-8.32e-07 +/-
9.61e-17
-6.86e-07 +/-
5.29e-17
-7.48e-07 +/-
5.7e-17
-7.4e-07 +/-
1.31e-17
-8.07e-07 +/-
1.97e-17
-8.06e-07 +/-
1.22e-17
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

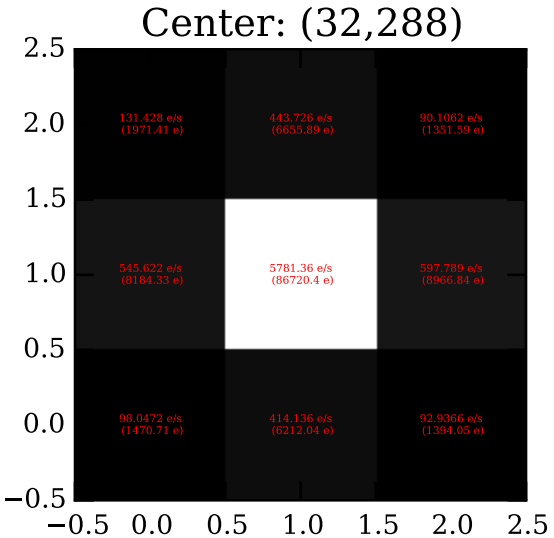

C2 spots
0.000184 +/-
2.14e-09
7.22e-06 +/-
6.58e-13
2.76e-05 +/-
9.48e-11
1.35e-05 +/-
1.42e-14
-9.41e-07 +/-
1.24e-16
1.01e-05 +/-
1.86e-12
1.17e-05 +/-
2.57e-10
9.68e-06 +/-
1.28e-15
4.56e-05 +/-
3.23e-10
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

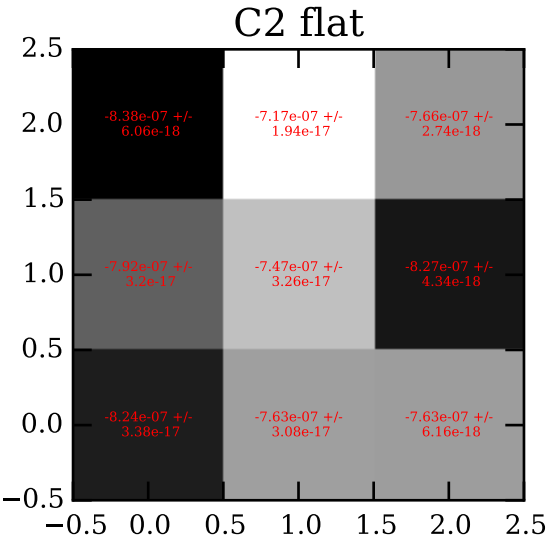

C2 spots after NL correction
0 +/-
0
1.94e-07 +/-
2.77e-12
-5.06e-06 +/-
8.69e-10
-3.87e-07 +/-
1.99e-12
5.54e-09 +/-
1.78e-16
1.16e-06 +/-
2.86e-12
2.11e-06 +/-
4.73e-10
-1.92e-06 +/-
1.02e-12
-1.09e-05 +/-
6.98e-10
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

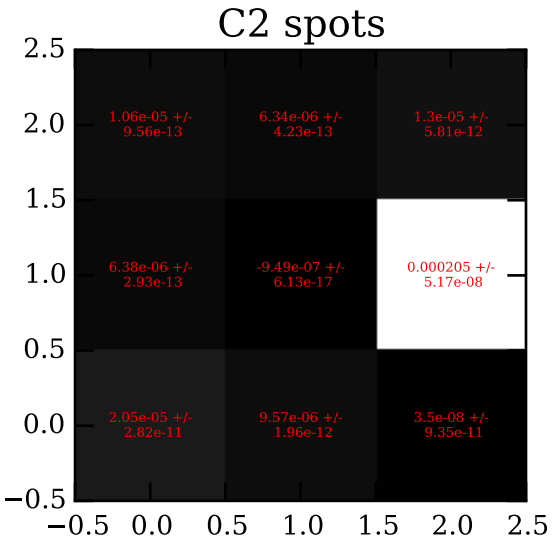

6359.05 electrons.
Position: (32,289)
Fractional NL
(after NL correction)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

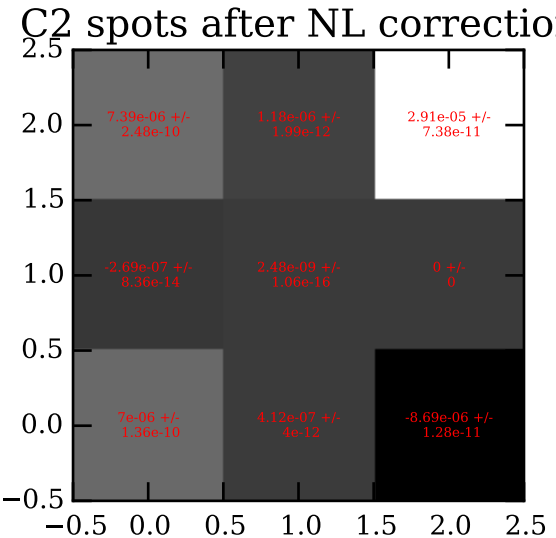

88546.8 electrons.
Position: (32,288)
Fractional NL
(after NL correction)
0.04
0.02
0.00
−0.02
−0.04
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

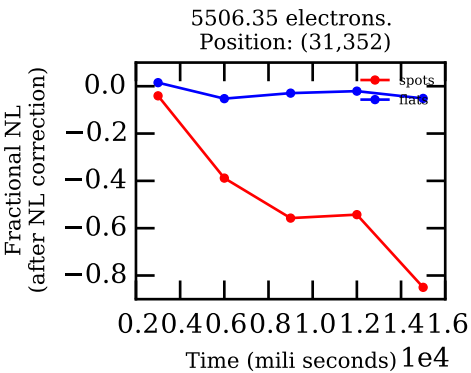

5845.02 electrons.
Position: (32,287)
Fractional NL
(after NL correction)
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.4
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

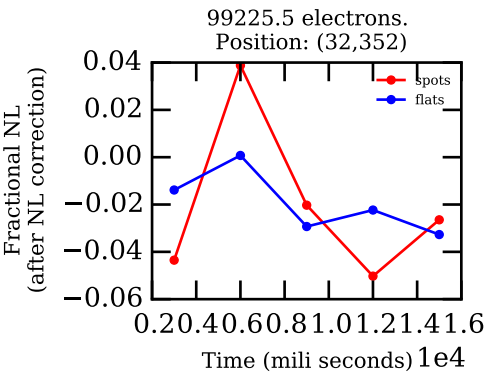

Center: (32,288)
131.428 e/s
(1971.41 e)
443.726 e/s
(6655.89 e)
90.1062 e/s
(1351.59 e)
545.622 e/s
(8184.33 e)
5781.36 e/s
(86720.4 e)
597.789 e/s
(8966.84 e)
98.0472 e/s
(1470.71 e)
414.136 e/s
(6212.04 e)
92.9366 e/s
(1394.05 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

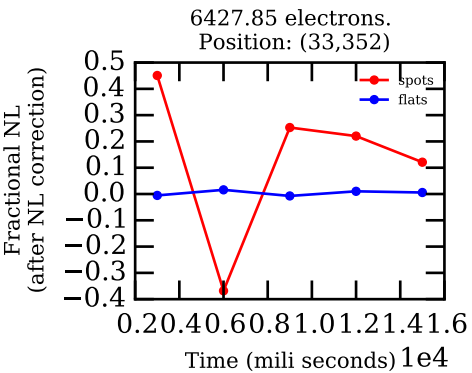

C2 flat
-8.38e-07 +/-
6.06e-18
-7.17e-07 +/-
1.94e-17
-7.66e-07 +/-
2.74e-18
-7.92e-07 +/-
3.2e-17
-7.47e-07 +/-
3.26e-17
-8.27e-07 +/-
4.34e-18
-8.24e-07 +/-
3.38e-17
-7.63e-07 +/-
3.08e-17
-7.63e-07 +/-
6.16e-18
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

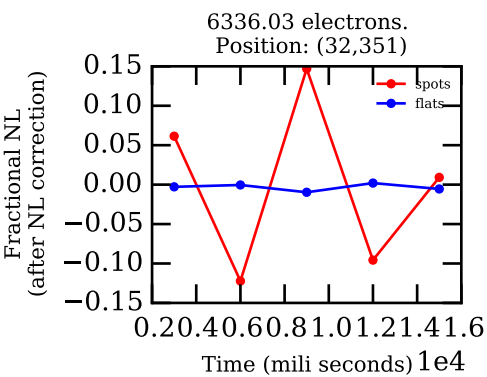

C2 spots
1.06e-05 +/-
9.56e-13
6.34e-06 +/-
4.23e-13
1.3e-05 +/-
5.81e-12
6.38e-06 +/-
2.93e-13
-9.49e-07 +/-
6.13e-17
0.000205 +/-
5.17e-08
2.05e-05 +/-
2.82e-11
9.57e-06 +/-
1.96e-12
3.5e-08 +/-
9.35e-11
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

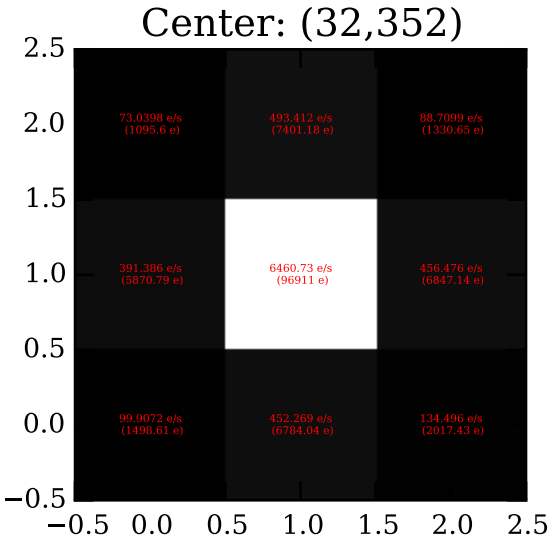

C2 spots after NL correction
7.39e-06 +/-
2.48e-10
1.18e-06 +/-
1.99e-12
2.91e-05 +/-
7.38e-11
-2.69e-07 +/-
8.36e-14
2.48e-09 +/-
1.06e-16
0 +/-
0
7e-06 +/-
1.36e-10
4.12e-07 +/-
4e-12
-8.69e-06 +/-
1.28e-11
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

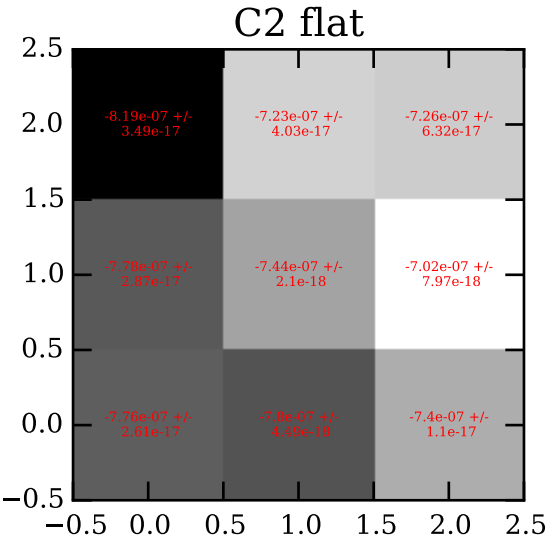

5506.35 electrons.
Position: (31,352)
Fractional NL
(after NL correction)
0.0
−0.2
−0.4
−0.6
−0.8
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

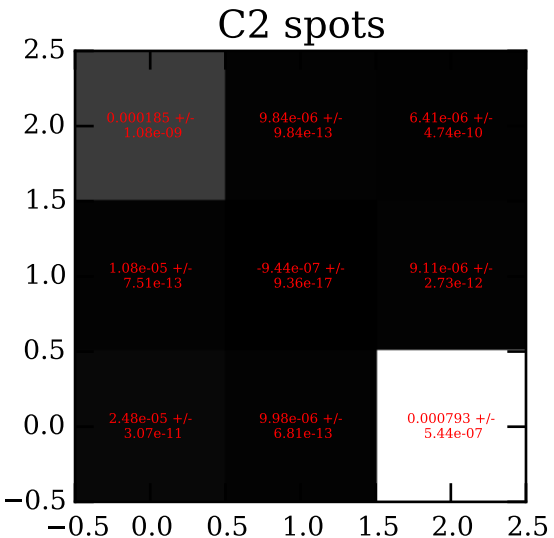

99225.5 electrons.
Position: (32,352)
Fractional NL
(after NL correction)
0.04
0.02
0.00
−0.02
−0.04
−0.06
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

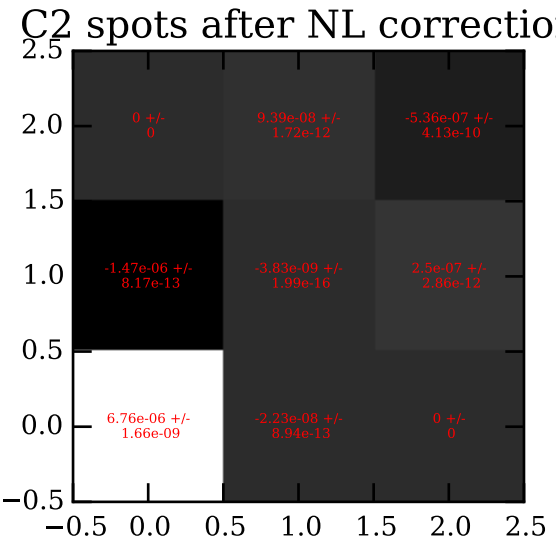

6427.85 electrons.
Position: (33,352)
Fractional NL
(after NL correction)
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.4
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

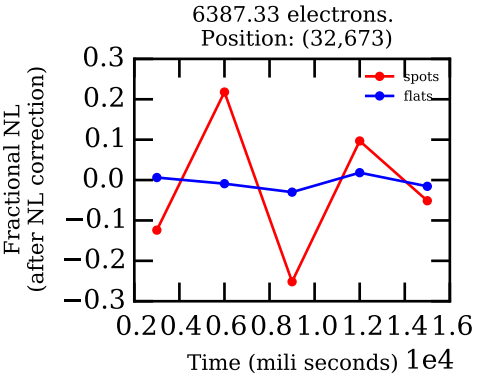

6336.03 electrons.
Position: (32,351)
Fractional NL
(after NL correction)
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

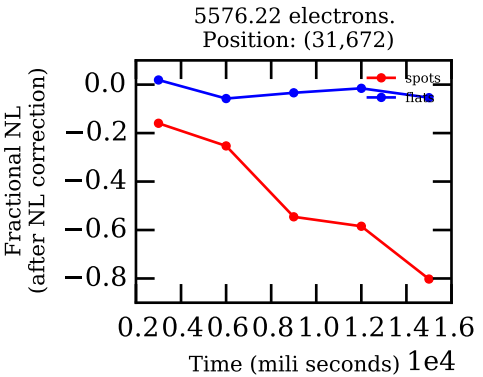

Center: (32,352)
73.0398 e/s
(1095.6 e)
493.412 e/s
(7401.18 e)
88.7099 e/s
(1330.65 e)
391.386 e/s
(5870.79 e)
6460.73 e/s
(96911 e)
456.476 e/s
(6847.14 e)
99.9072 e/s
(1498.61 e)
452.269 e/s
(6784.04 e)
134.496 e/s
(2017.43 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

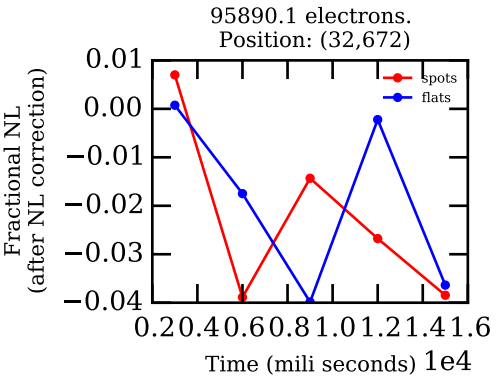

C2 flat
-8.19e-07 +/-
3.49e-17
-7.23e-07 +/-
4.03e-17
-7.26e-07 +/-
6.32e-17
-7.78e-07 +/-
2.87e-17
-7.44e-07 +/-
2.1e-18
-7.02e-07 +/-
7.97e-18
-7.76e-07 +/-
2.61e-17
-7.4e-07 +/-
1.1e-17
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

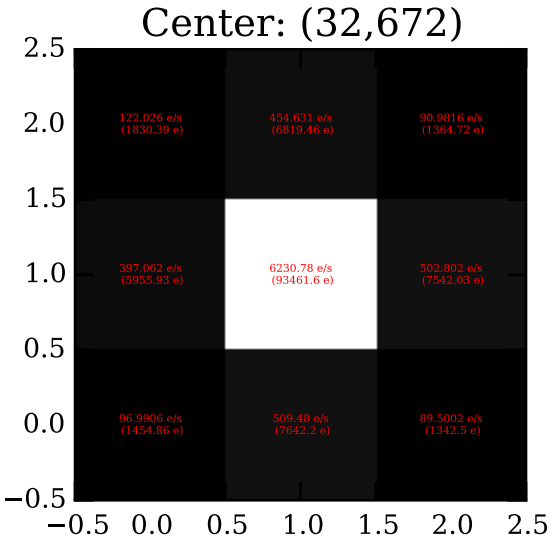

C2 spots
0.000185 +/-
1.08e-09
9.84e-06 +/-
9.84e-13
6.41e-06 +/-
4.74e-10
1.08e-05 +/-
7.51e-13
-9.44e-07 +/-
9.36e-17
9.11e-06 +/-
2.73e-12
2.48e-05 +/-
3.07e-11
9.98e-06 +/-
6.81e-13
0.000793 +/-
5.44e-07
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

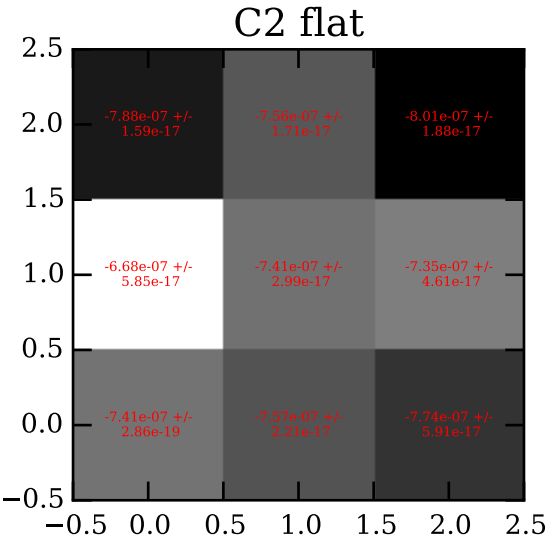

C2 spots after NL correction
0 +/-
0
9.39e-08 +/-
1.72e-12
-5.36e-07 +/-
4.13e-10
-1.47e-06 +/-
8.17e-13
-3.83e-09 +/-
1.99e-16
2.5e-07 +/-
2.86e-12
6.76e-06 +/-
1.66e-09
-2.23e-08 +/-
8.94e-13
0 +/-
0
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

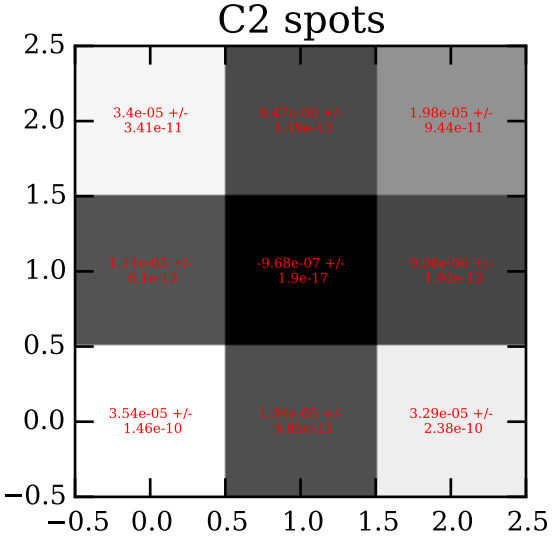

6387.33 electrons.
Position: (32,673)
Fractional NL
(after NL correction)
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds) 1e4

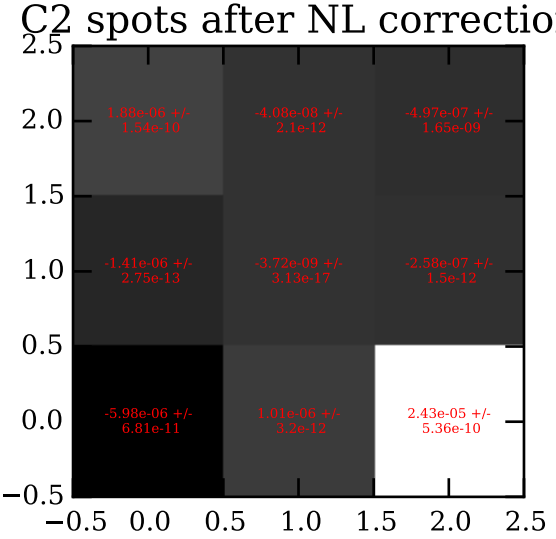

5576.22 electrons.
Position: (31,672)
Fractional NL
(after NL correction)
0.0
−0.2
−0.4
−0.6
−0.8
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds) 1e4

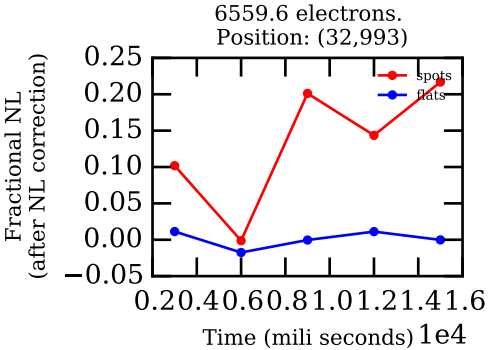

95890.1 electrons.
Position: (32,672)
Fractional NL
(after NL correction)
0.01
0.00
−0.01
−0.02
−0.03
−0.04
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds) 1e4

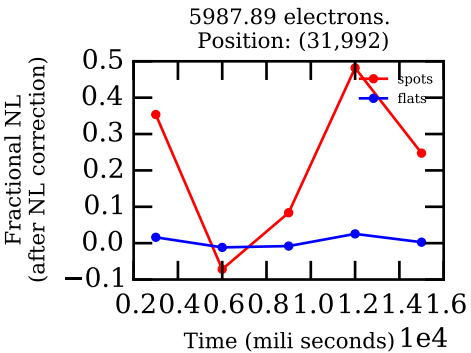

Center: (32,672)
122.026 e/s
(1830.39 e)
454.631 e/s
(6819.46 e)
90.9816 e/s
(1364.72 e)
397.062 e/s
(5955.93 e)
6230.78 e/s
(93461.6 e)
502.802 e/s
(7542.03 e)
96.9906 e/s
(1454.86 e)
509.48 e/s
(7642.2 e)
89.5002 e/s
(1342.5 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

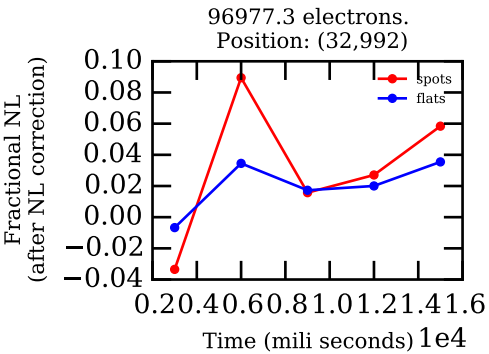

C2 flat
-7.88e-07 +/-
1.59e-17
-7.86e-07 +/-
1.71e-17
-8.01e-07 +/-
1.88e-17
-6.68e-07 +/-
5.85e-17
-7.41e-07 +/-
2.99e-17
-7.35e-07 +/-
4.61e-17
-7.41e-07 +/-
2.86e-19
-7.57e-07 +/-
2.21e-17
-7.74e-07 +/-
5.91e-17
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

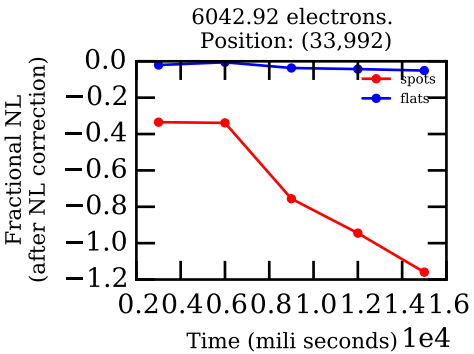

C2 spots
3.4e-05 +/-
3.41e-11
9.47e-06 +/-
1.49e-13
1.98e-05 +/-
9.44e-11
1.11e-05 +/-
6.1e-13
-9.68e-07 +/-
1.9e-17
9.08e-06 +/-
1.92e-12
3.54e-05 +/-
1.46e-10
1.04e-05 +/-
9.85e-13
3.29e-05 +/-
2.38e-10
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

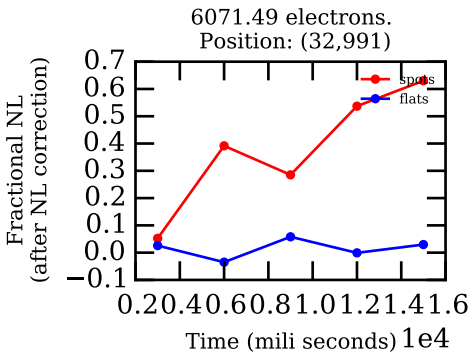

C2 spots after NL correction
1.88e-06 +/-
1.54e-10
-4.08e-08 +/-
2.1e-12
-4.97e-07 +/-
1.65e-09
-1.41e-06 +/-
2.75e-13
-3.72e-09 +/-
3.13e-17
-2.58e-07 +/-
1.5e-12
-5.98e-06 +/-
6.81e-11
1.01e-06 +/-
3.2e-12
2.43e-05 +/-
5.36e-10
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

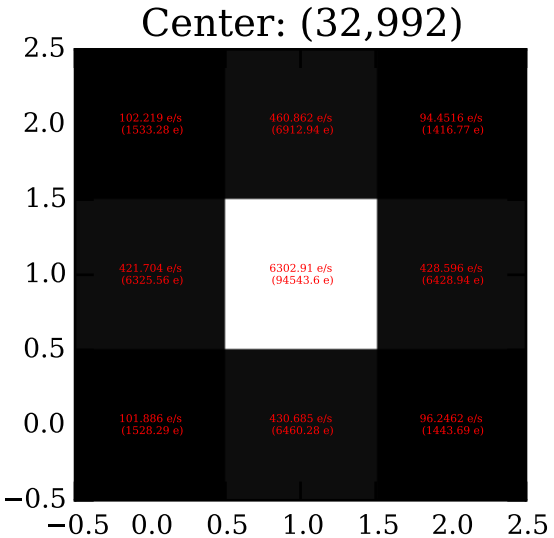

6559.6 electrons.
Position: (32,993)
Fractional NL
(after NL correction)
0.25
0.20
0.15
0.10
0.05
0.00
−0.05
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

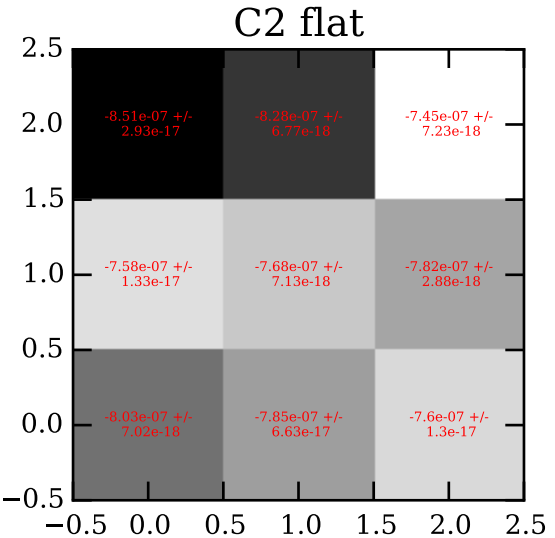

5987.89 electrons.
Position: (31,992)
Fractional NL
(after NL correction)
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

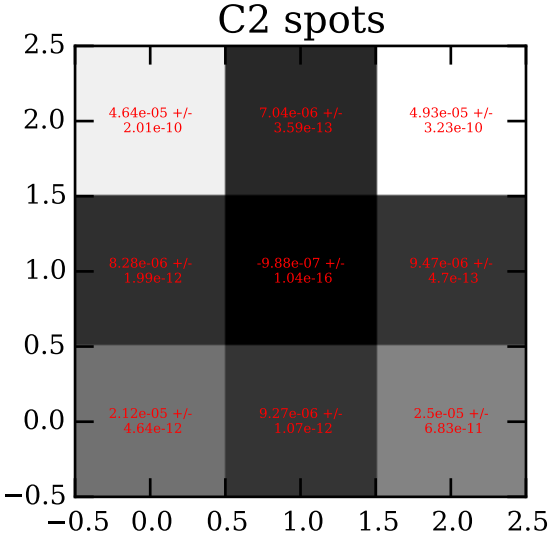

96977.3 electrons.
Position: (32,992)
Fractional NL
(after NL correction)
0.10
0.08
0.06
0.04
0.02
0.00
−0.02
−0.04
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

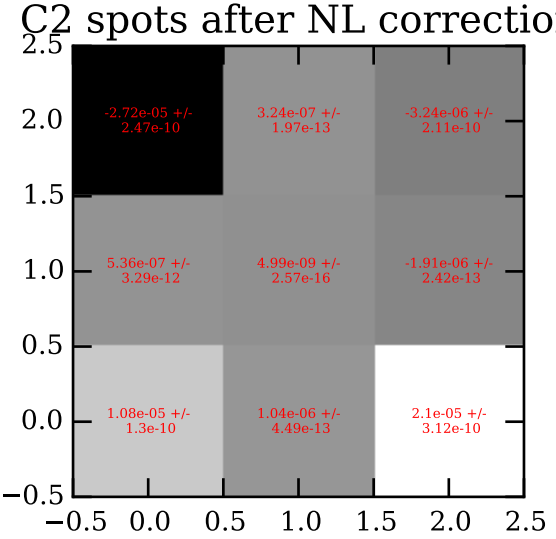

6042.92 electrons.
Position: (33,992)
Fractional NL
(after NL correction)
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−1.2
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

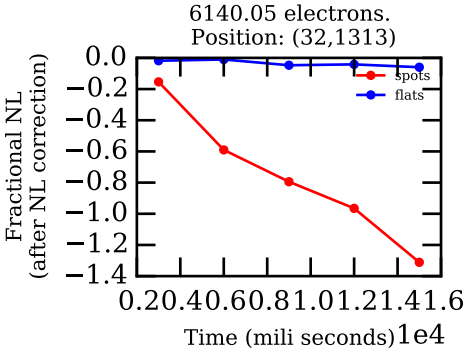

6071.49 electrons.
Position: (32,991)
Fractional NL
(after NL correction)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

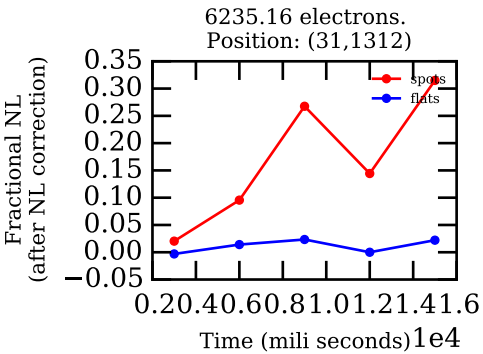

Center: (32,992)
102.219 e/s
(1533.28 e)
460.862 e/s
(6912.94 e)
94.4316 e/s
(1416.77 e)
421.704 e/s
(6325.56 e)
6302.91 e/s
(94543.6 e)
428.596 e/s
(6428.94 e)
101.886 e/s
(1528.29 e)
430.685 e/s
(6460.28 e)
96.2462 e/s
(1443.69 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

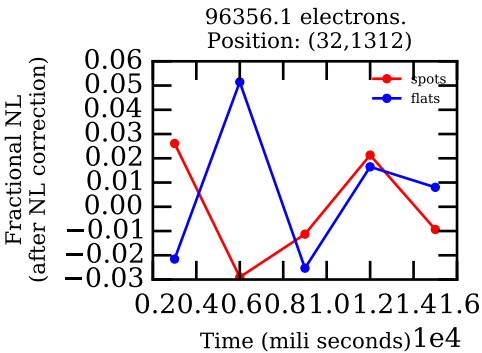

C2 flat
-8.51e-07 +/-
2.93e-17
-8.28e-07 +/-
6.77e-18
-7.45e-07 +/-
7.23e-18
-7.58e-07 +/-
1.33e-17
-7.68e-07 +/-
7.13e-18
-7.82e-07 +/-
2.88e-18
-8.03e-07 +/-
7.02e-18
-7.85e-07 +/-
6.63e-17
-7.6e-07 +/-
1.3e-17
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

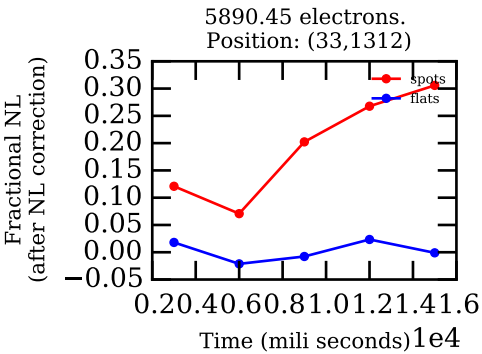

C2 spots
4.64e-05 +/-
2.01e-10
7.04e-06 +/-
3.59e-13
4.93e-05 +/-
3.23e-10
8.28e-06 +/-
1.99e-12
-9.88e-07 +/-
1.04e-16
9.47e-06 +/-
4.7e-13
2.12e-05 +/-
4.64e-12
9.27e-06 +/-
1.07e-12
2.5e-05 +/-
6.83e-11
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

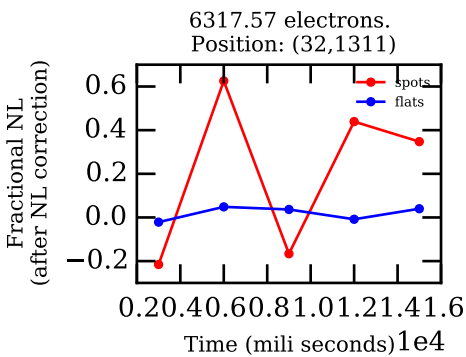

C2 spots after NL correction
-2.72e-05 +/-
2.47e-10
3.24e-07 +/-
1.97e-13
-3.24e-06 +/-
2.11e-10
5.36e-07 +/-
3.29e-12
4.99e-09 +/-
2.57e-16
-1.91e-06 +/-
2.42e-13
1.08e-05 +/-
1.3e-10
1.04e-06 +/-
4.49e-13
2.1e-05 +/-
3.12e-10
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

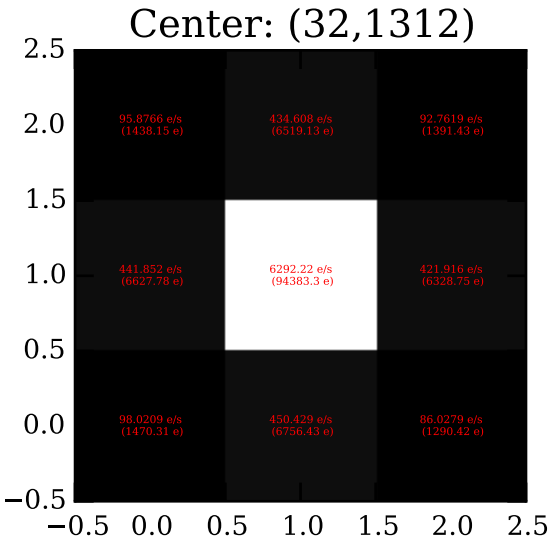

6140.05 electrons.
Position: (32,1313)
Fractional NL
(after NL correction)
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−1.2
−1.4
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

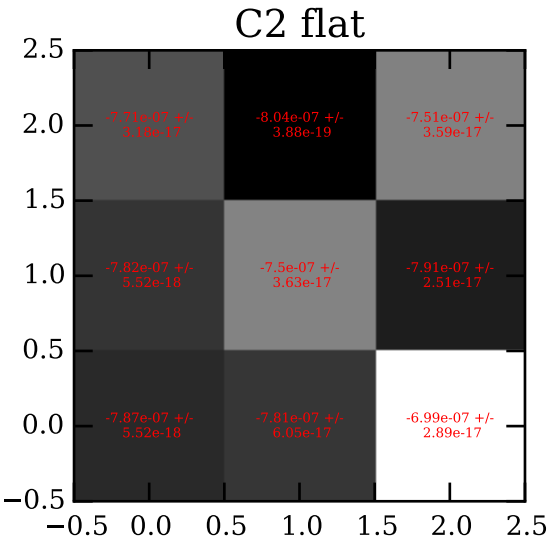

6235.16 electrons.
Position: (31,1312)
Fractional NL
(after NL correction)
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
−0.05
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

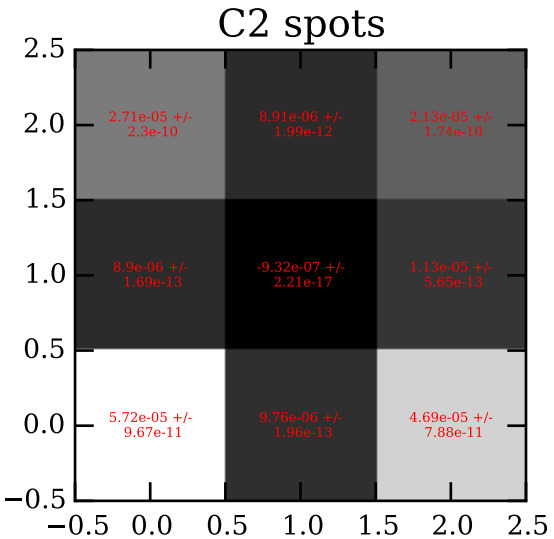

96356.1 electrons.
Position: (32,1312)
Fractional NL
(after NL correction)
0.06
0.05
0.04
0.03
0.02
0.01
0.00
−0.01
−0.02
−0.03
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

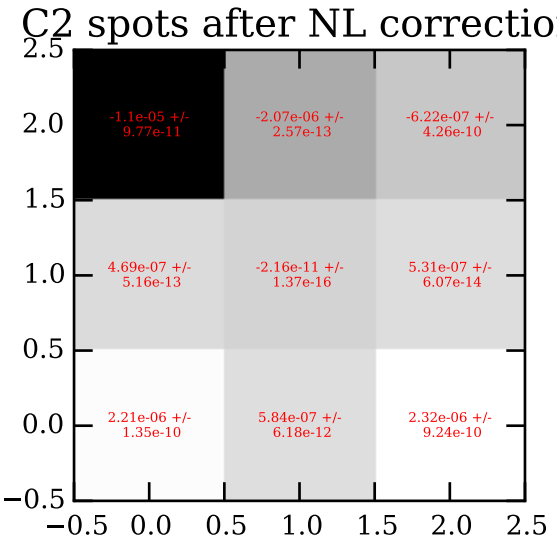

5890.45 electrons.
Position: (33,1312)
Fractional NL
(after NL correction)
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
−0.05
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

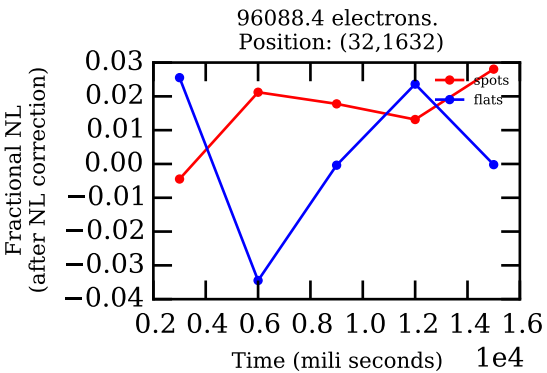

6317.57 electrons.
Position: (32,1311)
Fractional NL
(after NL correction)
0.6
0.4
0.2
0.0
−0.2
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

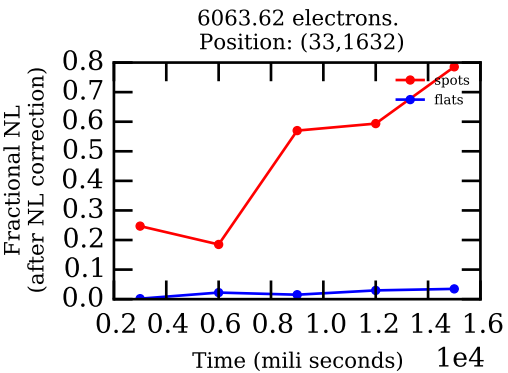

Center: (32,1312)
95.8766 e/s
(1438.15 e)
434.608 e/s
(6519.13 e)
92.7619 e/s
(1391.43 e)
441.852 e/s
(6627.78 e)
6292.22 e/s
(94383.3 e)
421.916 e/s
(6328.75 e)
98.0209 e/s
(1470.31 e)
450.429 e/s
(6756.43 e)
86.0279 e/s
(1290.42 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

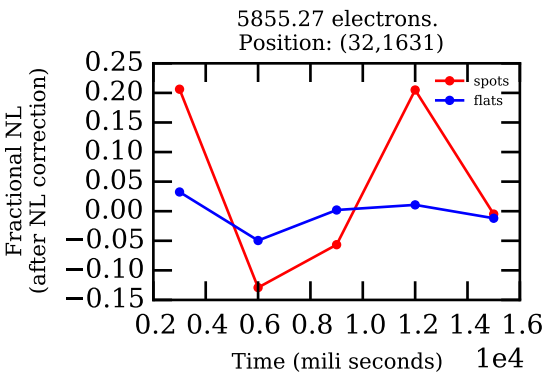

C2 flat
-7.71e-07 +/-
3.18e-17
-8.04e-07 +/-
3.88e-19
-7.51e-07 +/-
3.59e-17
-7.82e-07 +/-
5.52e-18
-7.5e-07 +/-
3.63e-17
-7.91e-07 +/-
2.51e-17
-7.87e-07 +/-
5.52e-18
-7.81e-07 +/-
6.05e-17
-6.99e-07 +/-
2.89e-17
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

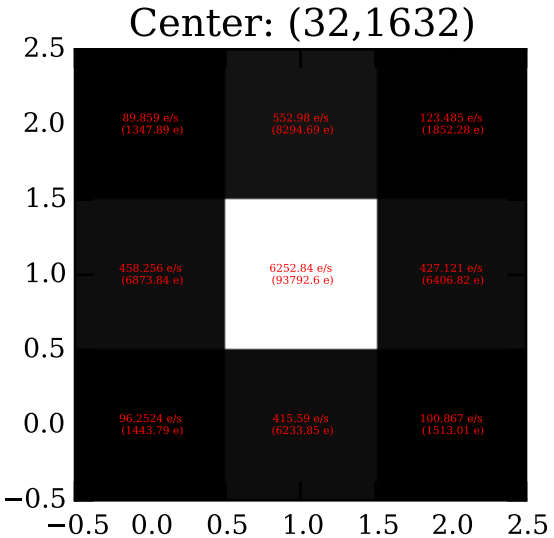

C2 spots
2.71e-05 +/-
2.3e-10
8.91e-06 +/-
1.99e-12
2.13e-05 +/-
1.74e-10
8.9e-06 +/-
1.69e-13
-9.32e-07 +/-
2.21e-17
1.13e-05 +/-
5.65e-13
5.72e-05 +/-
9.67e-11
9.76e-06 +/-
1.96e-13
4.69e-05 +/-
7.88e-11
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

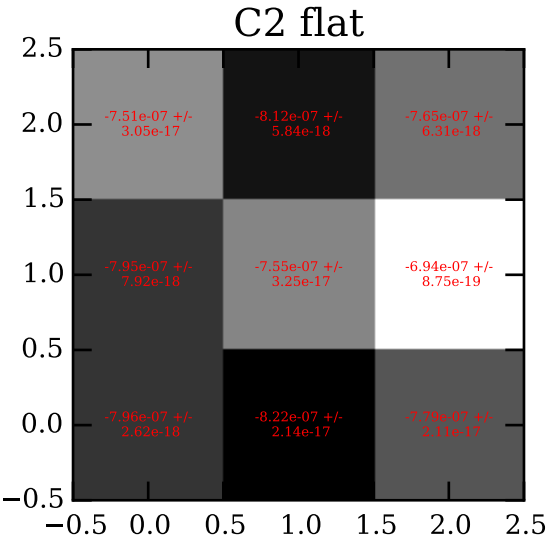

C2 spots after NL correction
-1.1e-05 +/-
9.77e-11
-2.07e-06 +/-
2.57e-13
-6.22e-07 +/-
4.26e-10
4.69e-07 +/-
5.16e-13
-2.16e-11 +/-
1.37e-16
5.31e-07 +/-
6.07e-14
2.21e-06 +/-
1.35e-10
5.84e-07 +/-
6.18e-12
2.32e-06 +/-
9.24e-10
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

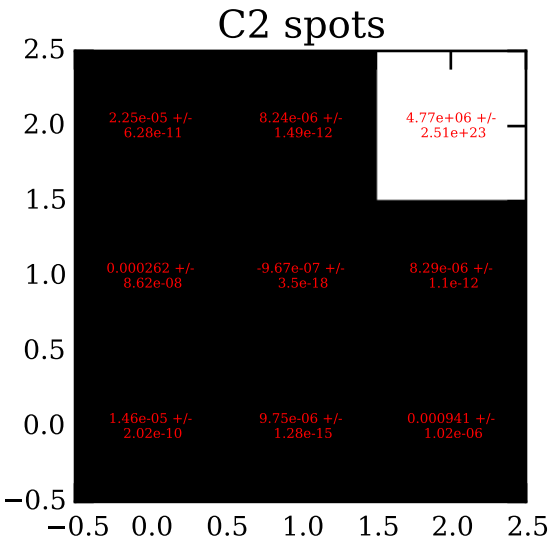

96088.4 electrons.
Position: (32,1632)
Fractional NL
(after NL correction)
0.03
0.02
0.01
0.00
−0.01
−0.02
−0.03
−0.04
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

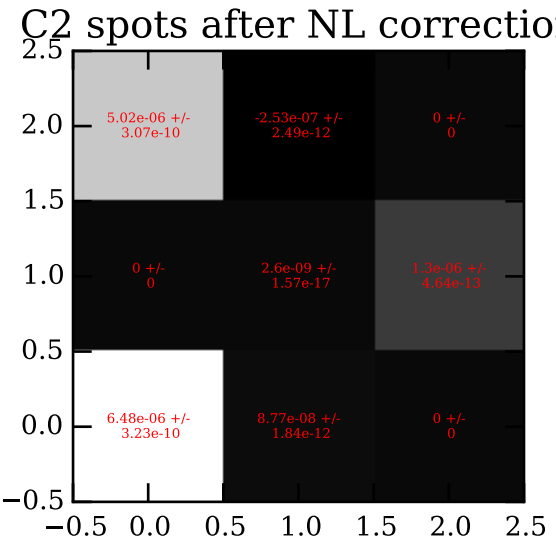

6063.62 electrons.
Position: (33,1632)
Fractional NL
(after NL correction)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

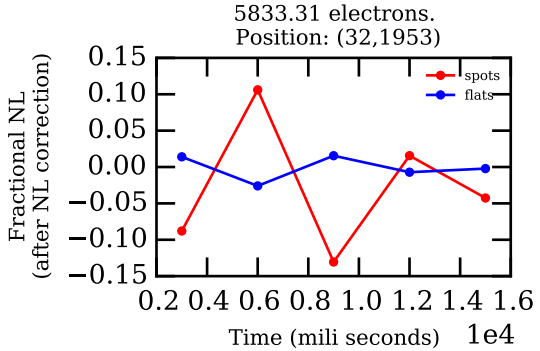

5855.27 electrons.
Position: (32,1631)
Fractional NL
(after NL correction)
0.25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

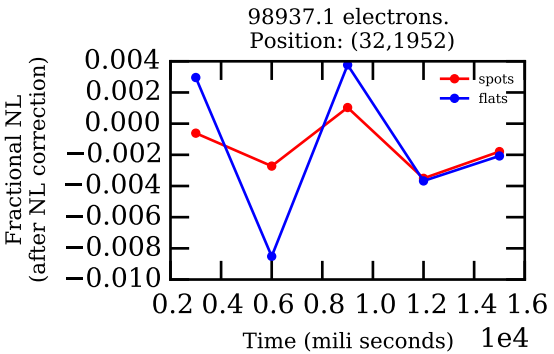

Center: (32,1632)
89.859 e/s
(1347.89 e)
552.98 e/s
(8294.69 e)
123.485 e/s
(1852.28 e)
458.256 e/s
(6873.84 e)
6252.84 e/s
(93792.6 e)
427.121 e/s
(6406.82 e)
96.2524 e/s
(1443.79 e)
415.59 e/s
(6233.85 e)
100.867 e/s
(1513.01 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

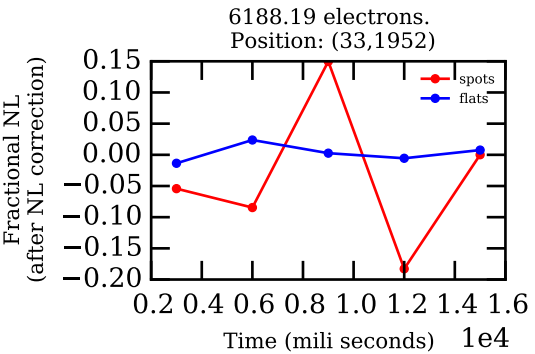

C2 flat
-7.51e-07 +/-
3.05e-17
-8.12e-07 +/-
5.84e-18
-7.65e-07 +/-
6.31e-18
-7.95e-07 +/-
7.92e-18
-7.55e-07 +/-
3.25e-17
-6.94e-07 +/-
8.75e-19
-7.96e-07 +/-
2.62e-18
-8.22e-07 +/-
2.14e-17
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

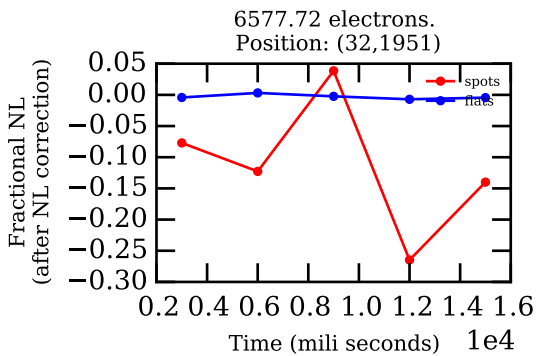

C2 spots
2.25e-05 +/-
6.28e-11
8.24e-06 +/-
1.49e-12
4.77e+06 +/-
2.51e+23
0.000262 +/-
8.62e-08
-9.67e-07 +/-
3.5e-18
8.29e-06 +/-
1.1e-12
1.46e-05 +/-
2.02e-10
9.75e-06 +/-
1.28e-15
0.000941 +/-
1.02e-06
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

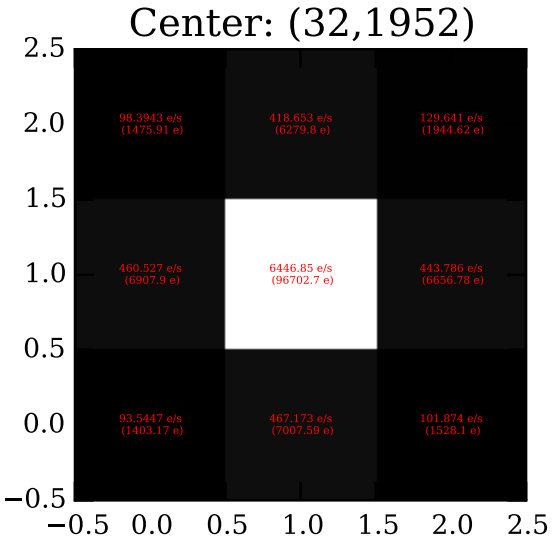

C2 spots after NL correction
5.02e-06 +/-
3.07e-10
-2.53e-07 +/-
2.49e-12
0 +/-
0
0 +/-
0
2.6e-09 +/-
1.57e-17
1.3e-06 +/-
4.64e-13
6.48e-06 +/-
3.23e-10
8.77e-08 +/-
1.84e-12
0 +/-
0
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

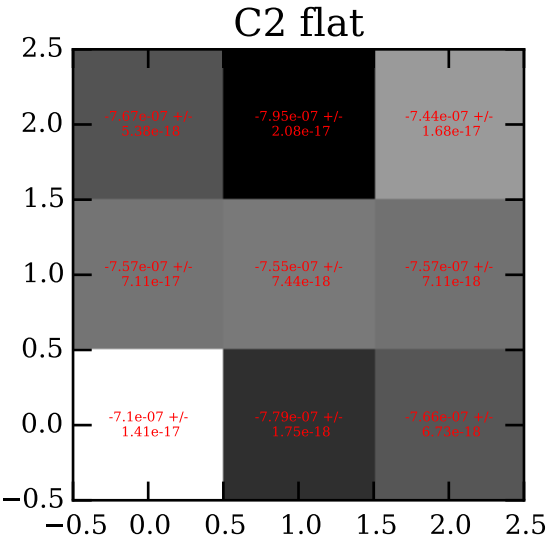

5833.31 electrons.
Position: (32,1953)
Fractional NL
(after NL correction)
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

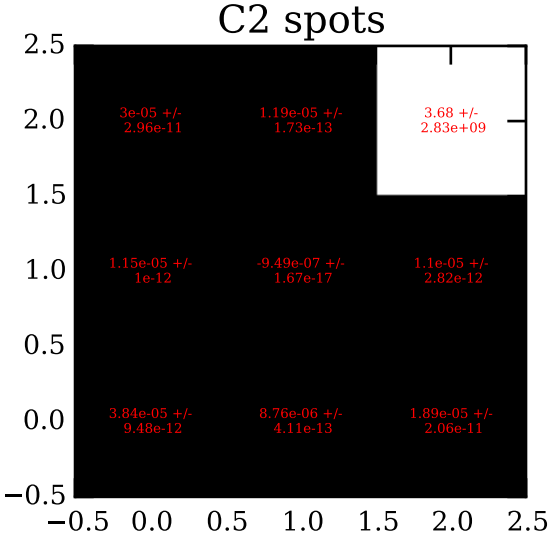

98937.1 electrons.
Position: (32,1952)
Fractional NL
(after NL correction)
0.004
0.002
0.000
−0.002
−0.004
−0.006
−0.008
−0.010
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

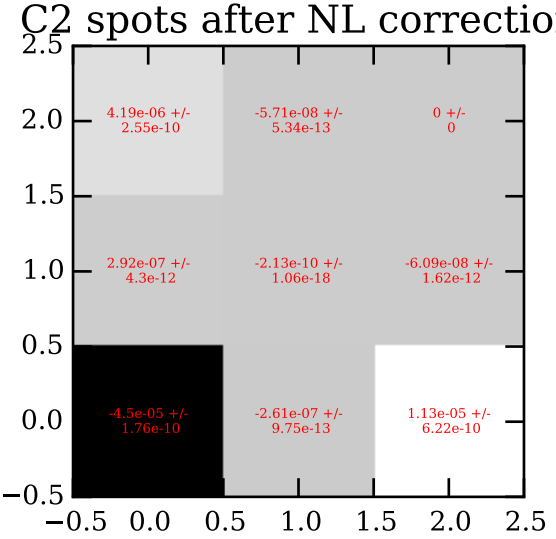

6188.19 electrons.
Position: (33,1952)
Fractional NL
(after NL correction)
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
−0.20
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

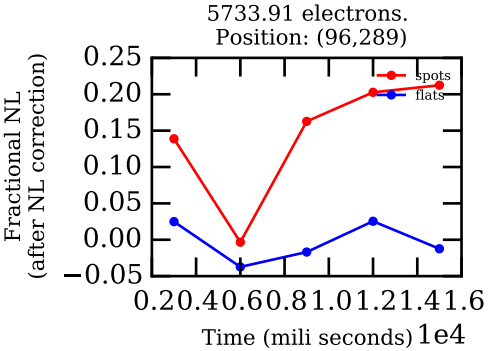

6577.72 electrons.
Position: (32,1951)
Fractional NL
(after NL correction)
0.05
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
−0.30
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

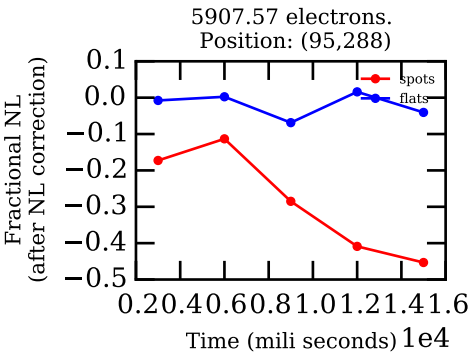

Center: (32,1952)
98.3943 e/s
(1475.91 e)
418.653 e/s
(6279.8 e)
129.641 e/s
(1944.62 e)
460.527 e/s
(6907.9 e)
6446.85 e/s
(96702.7 e)
443.786 e/s
(6656.78 e)
93.5447 e/s
(1403.17 e)
467.173 e/s
(7007.59 e)
101.874 e/s
(1528.1 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

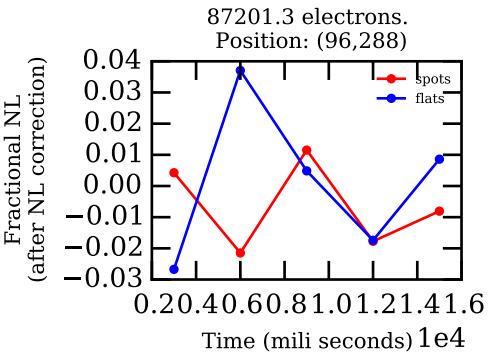

C2 flat
-7.87e-07 +/-
3.28e-18
-7.95e-07 +/-
2.08e-17
-7.44e-07 +/-
1.68e-17
-7.57e-07 +/-
7.11e-17
-7.55e-07 +/-
7.44e-18
-7.57e-07 +/-
7.11e-18
-7.1e-07 +/-
1.41e-17
-7.79e-07 +/-
1.75e-18
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

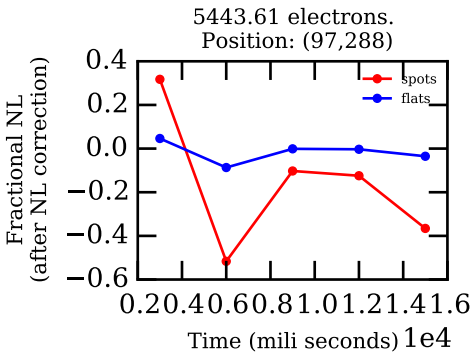

C2 spots
3e-05 +/-
2.96e-11
1.19e-05 +/-
1.73e-13
3.68 +/-
2.83e+09
1.15e-05 +/-
1e-12
-9.49e-07 +/-
1.67e-17
1.1e-05 +/-
2.82e-12
3.84e-05 +/-
9.48e-12
8.76e-06 +/-
4.11e-13
1.89e-05 +/-
2.06e-11
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

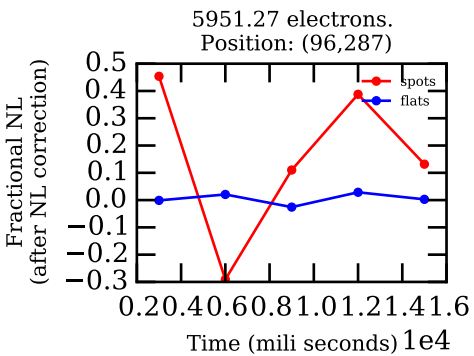

C2 spots after NL correction
4.19e-06 +/-
2.55e-10
-5.71e-08 +/-
5.34e-13
0 +/-
0
2.92e-07 +/-
4.3e-12
-2.13e-10 +/-
1.06e-18
-6.09e-08 +/-
1.62e-12
-4.5e-05 +/-
1.76e-10
-2.61e-07 +/-
9.75e-13
1.13e-05 +/-
6.22e-10
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

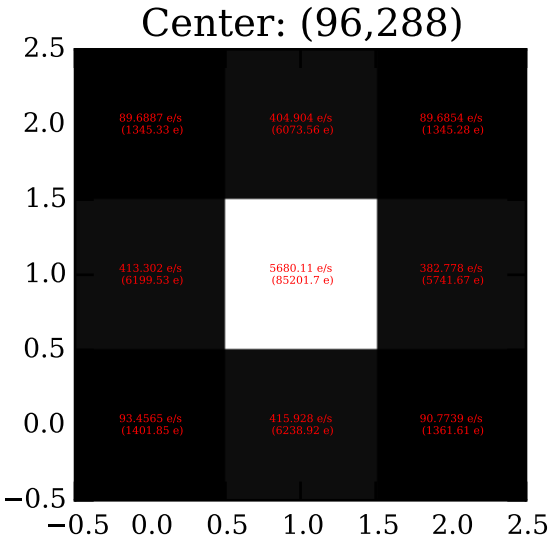

5733.91 electrons.
Position: (96,289)
Fractional NL
(after NL correction)
0.25
0.20
0.15
0.10
0.05
0.00
−0.05
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

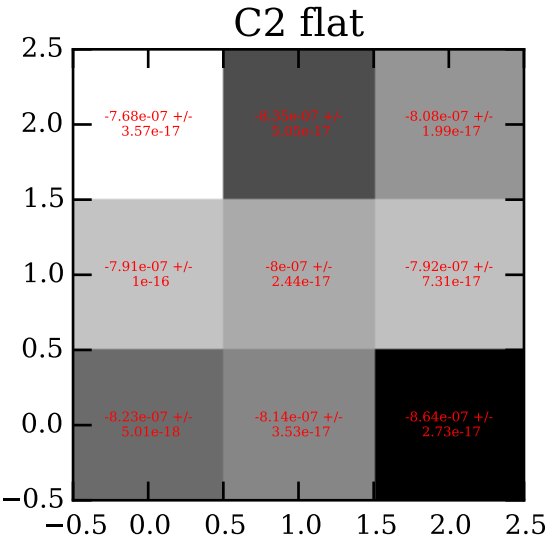

5907.57 electrons.
Position: (95,288)
Fractional NL
(after NL correction)
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

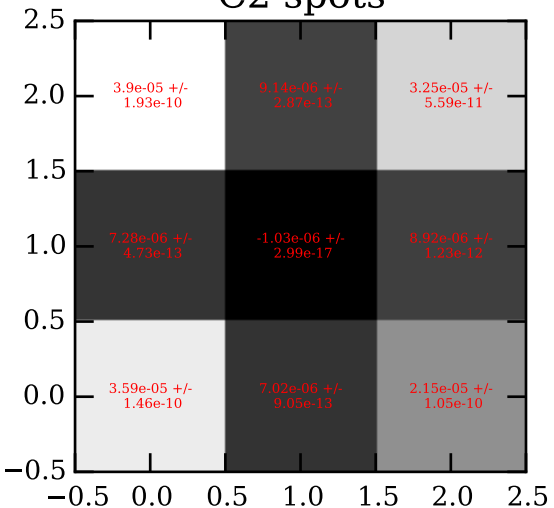

87201.3 electrons.
Position: (96,288)
Fractional NL
(after NL correction)
0.04
0.03
0.02
0.01
0.00
−0.01
−0.02
−0.03
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

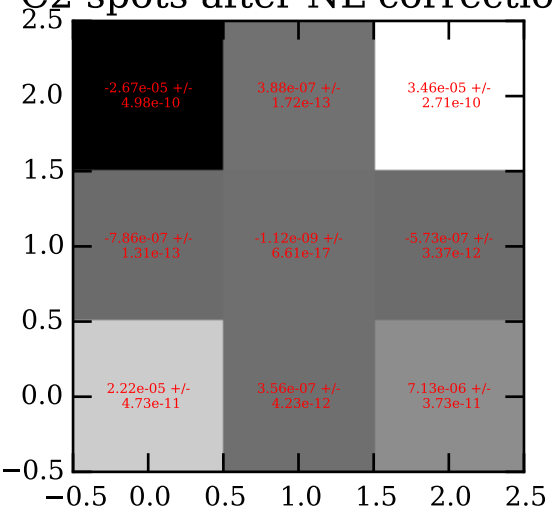

5443.61 electrons.
Position: (97,288)
Fractional NL
(after NL correction)
0.4
0.2
0.0
−0.2
−0.4
−0.6
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

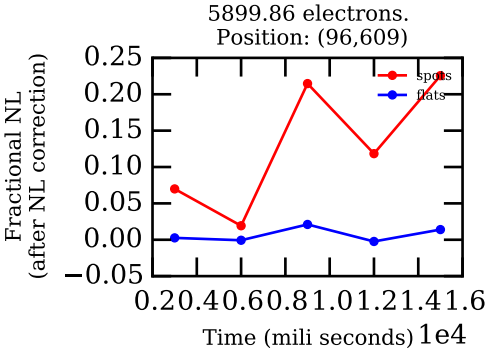

5951.27 electrons.
Position: (96,287)
Fractional NL
(after NL correction)
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

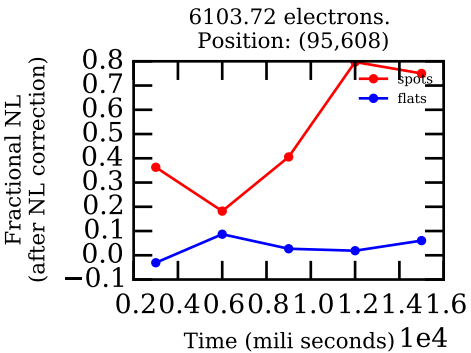

Center: (96,288)
89.6887 e/s
(1345.33 e)
404.904 e/s
(6073.56 e)
89.6854 e/s
(1345.28 e)
413.302 e/s
(6199.53 e)
5680.11 e/s
(85201.7 e)
382.778 e/s
(5741.67 e)
93.4565 e/s
(1401.85 e)
415.928 e/s
(6238.92 e)
90.7739 e/s
(1361.61 e)

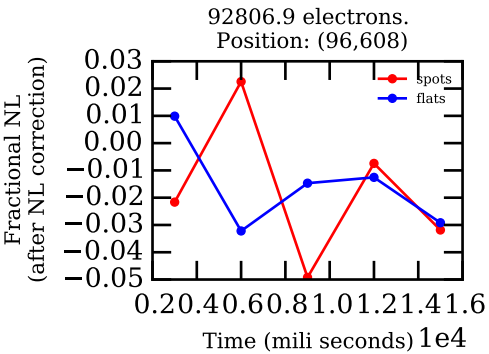

C2 flat
-7.68e-07 +/-
3.57e-17
-8.08e-07 +/-
1.99e-17
-7.91e-07 +/-
1e-16
-8e-07 +/-
2.44e-17
-7.92e-07 +/-
7.31e-17
-8.23e-07 +/-
5.01e-18
-8.14e-07 +/-
3.53e-17
-8.64e-07 +/-
2.73e-17

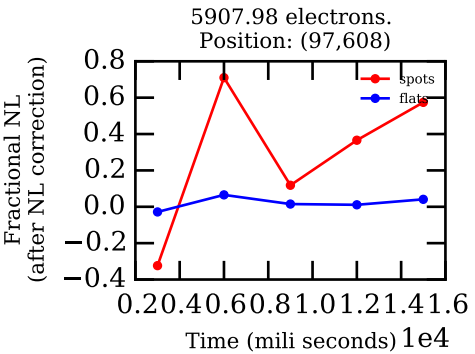

C2 spots
3.9e-05 +/-
1.93e-10
9.14e-06 +/-
2.87e-13
3.25e-05 +/-
5.59e-11
7.28e-06 +/-
4.73e-13
-1.03e-06 +/-
2.99e-17
8.92e-06 +/-
1.23e-12
3.59e-05 +/-
1.46e-10
7.02e-06 +/-
9.05e-13
2.15e-05 +/-
1.05e-10

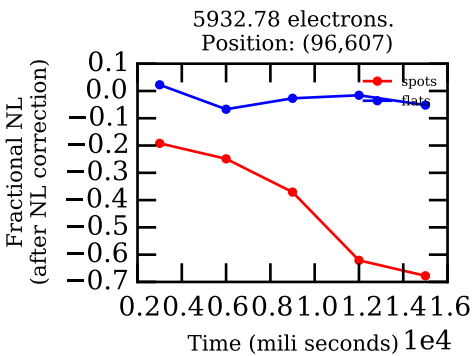

C2 spots after NL correction
-2.67e-05 +/-
4.98e-10
3.88e-07 +/-
1.72e-13
3.46e-05 +/-
2.71e-10
-7.86e-07 +/-
1.31e-13
-1.12e-09 +/-
6.61e-17
-5.73e-07 +/-
3.37e-12
2.22e-05 +/-
4.73e-11
3.56e-07 +/-
4.23e-12
7.13e-06 +/-
3.73e-11

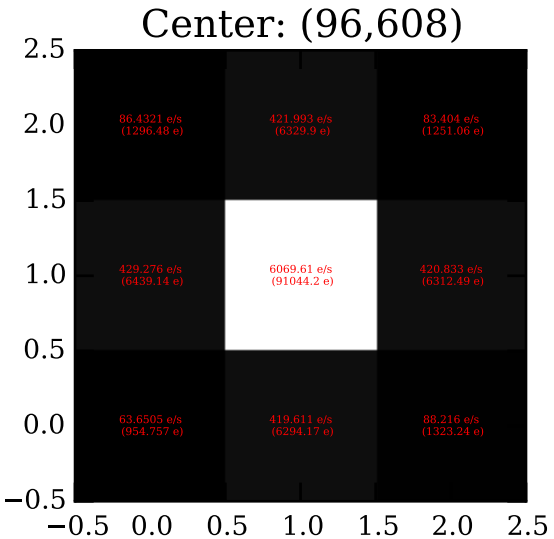

5899.86 electrons.
Position: (96,609)
Fractional NL
(after NL correction)
0.25
0.20
0.15
0.10
0.05
0.00
−0.05
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds) 1e4

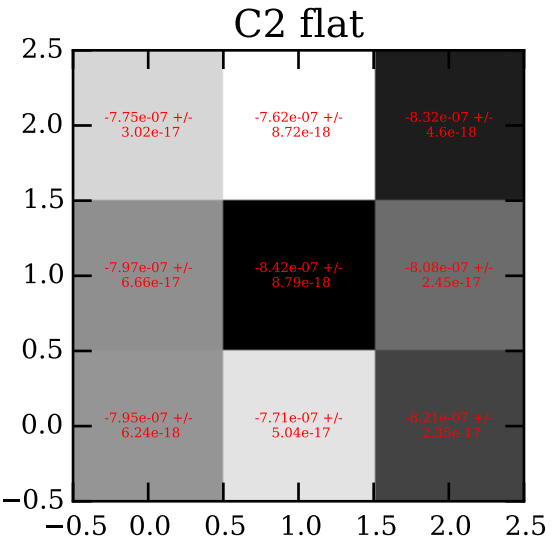

6103.72 electrons.
Position: (95,608)
Fractional NL
(after NL correction)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds) 1e4

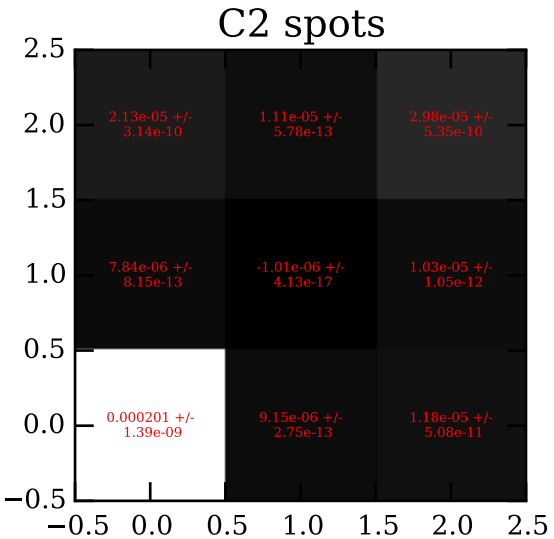

92806.9 electrons.
Position: (96,608)
Fractional NL
(after NL correction)
0.03
0.02
0.01
0.00
−0.01
−0.02
−0.03
−0.04
−0.05
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds) 1e4

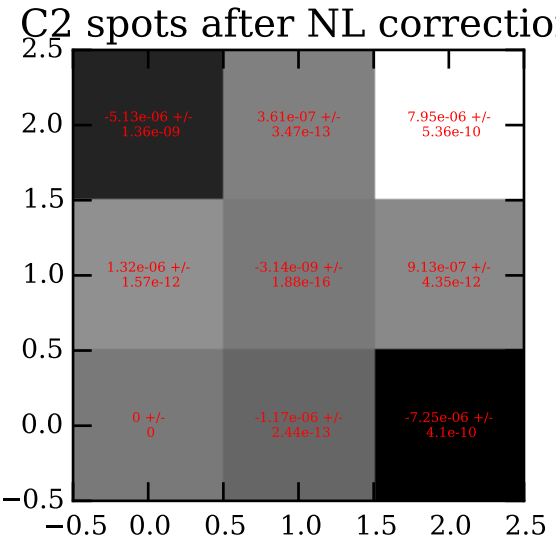

5907.98 electrons.
Position: (97,608)
Fractional NL
(after NL correction)
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds) 1e4

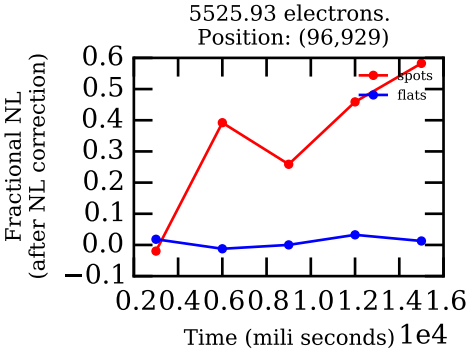

5932.78 electrons.
Position: (96,607)
Fractional NL
(after NL correction)
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds) 1e4

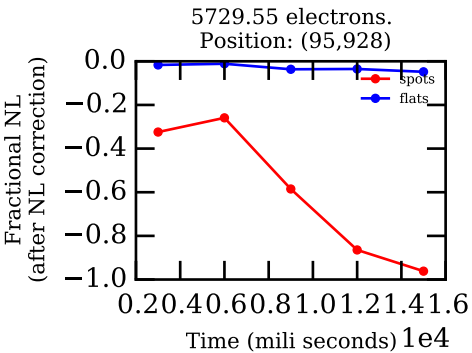

Center: (96,608)
86.4321 e/s
(1296.48 e)
421.993 e/s
(6329.9 e)
83.404 e/s
(1251.06 e)
429.276 e/s
(6439.14 e)
6069.61 e/s
(91044.2 e)
420.833 e/s
(6312.49 e)
63.6505 e/s
(954.757 e)
419.611 e/s
(6294.17 e)
88.216 e/s
(1323.24 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

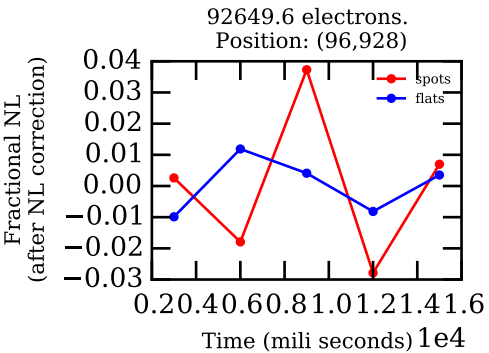

C2 flat
-7.75e-07 +/-
3.02e-17
-7.62e-07 +/-
8.72e-18
-8.32e-07 +/-
4.6e-18
-7.97e-07 +/-
6.66e-17
-8.42e-07 +/-
8.79e-18
-8.08e-07 +/-
2.45e-17
-7.95e-07 +/-
6.24e-18
-7.71e-07 +/-
5.04e-17
-8.21e-07 +/-
2.35e-17
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

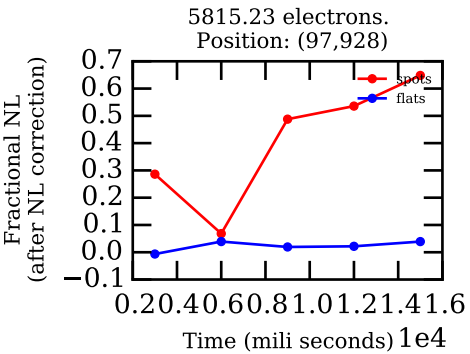

C2 spots
2.13e-05 +/-
3.14e-10
1.11e-05 +/-
5.78e-13
2.98e-05 +/-
5.35e-10
7.84e-06 +/-
8.15e-13
-1.01e-06 +/-
4.13e-17
1.03e-05 +/-
1.05e-12
0.000201 +/-
1.39e-09
9.15e-06 +/-
2.75e-13
1.18e-05 +/-
5.08e-11
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

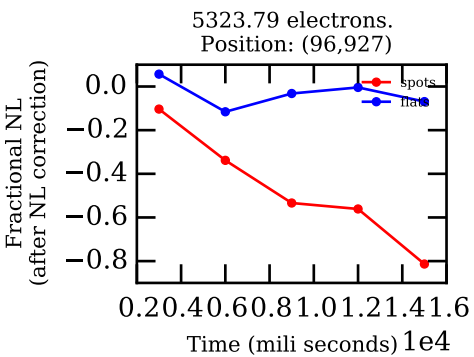

C2 spots after NL correction
-5.13e-06 +/-
1.36e-09
3.61e-07 +/-
3.47e-13
7.95e-06 +/-
5.36e-10
1.32e-06 +/-
1.57e-12
-3.14e-09 +/-
1.88e-16
9.13e-07 +/-
4.35e-12
0 +/-
0
-1.17e-06 +/-
2.44e-13
-7.25e-06 +/-
4.1e-10
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

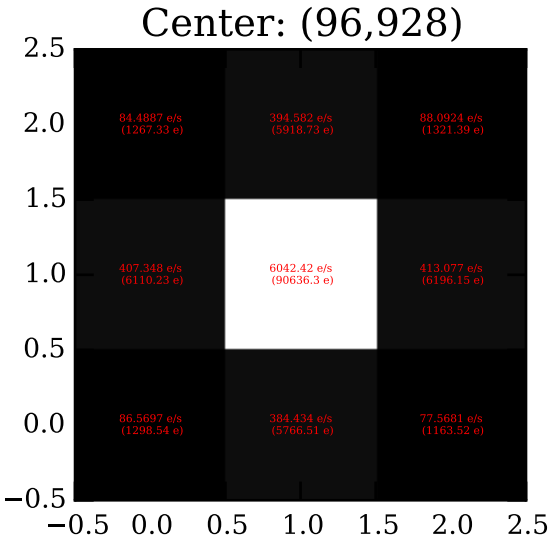

5525.93 electrons.
Position: (96,929)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

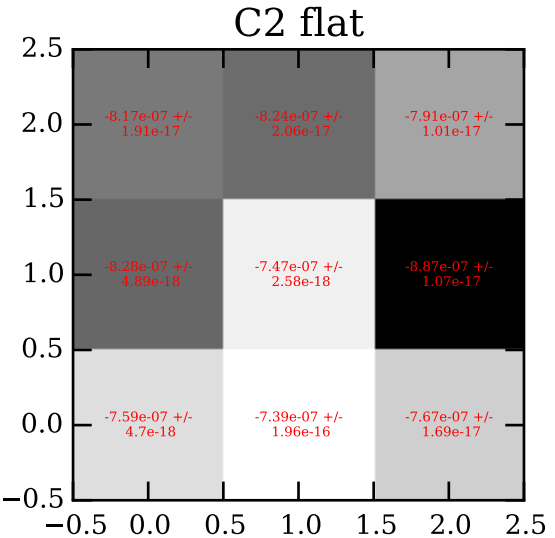

5729.55 electrons.
Position: (95,928)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

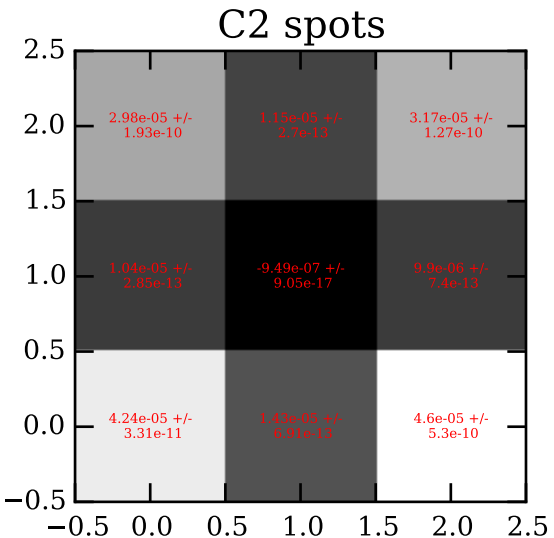

92649.6 electrons.
Position: (96,928)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

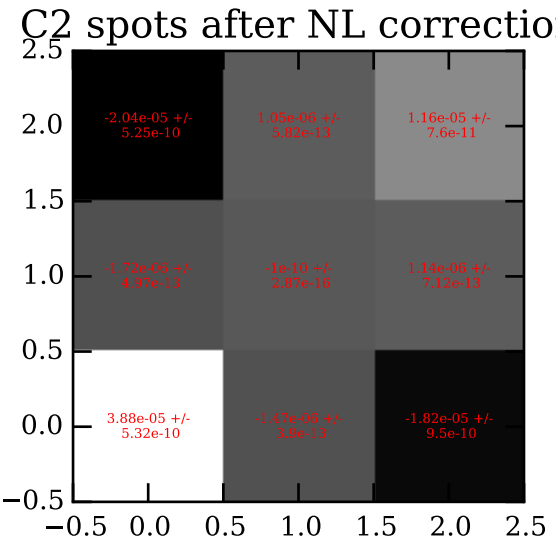

5815.23 electrons.
Position: (97,928)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

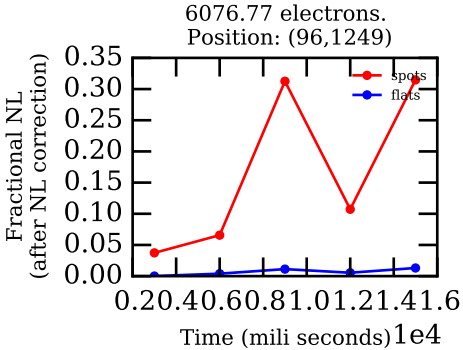

5323.79 electrons.
Position: (96,927)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

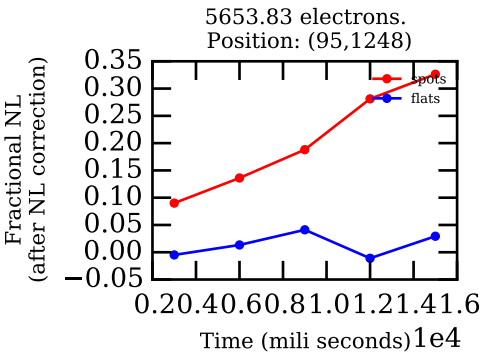

Center: (96,928)
84.4887 e/s
(1267.33 e)
394.582 e/s
(5918.73 e)
88.0924 e/s
(1321.39 e)
407.348 e/s
(6110.23 e)
6042.42 e/s
(90636.3 e)
413.077 e/s
(6196.15 e)
86.5697 e/s
(1298.54 e)
384.434 e/s
(5766.51 e)
77.5681 e/s
(1163.52 e)

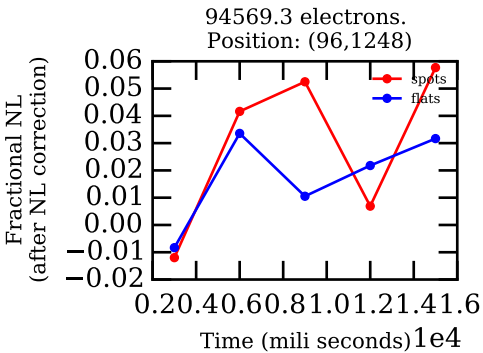

C2 flat
-8.17e-07 +/-
1.91e-17
-8.24e-07 +/-
2.06e-17
-7.91e-07 +/-
1.01e-17
-8.28e-07 +/-
4.89e-18
-7.47e-07 +/-
2.58e-18
-8.87e-07 +/-
1.07e-17
-7.59e-07 +/-
4.7e-18
-7.39e-07 +/-
1.96e-16
-7.67e-07 +/-
1.69e-17

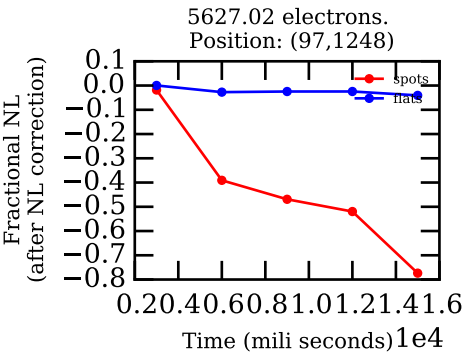

C2 spots
2.98e-05 +/-
1.93e-10
1.15e-05 +/-
2.7e-13
3.17e-05 +/-
1.27e-10
1.04e-05 +/-
2.85e-13
-9.49e-07 +/-
9.05e-17
9.9e-06 +/-
7.4e-13
4.24e-05 +/-
3.31e-11
4.6e-05 +/-
5.3e-10

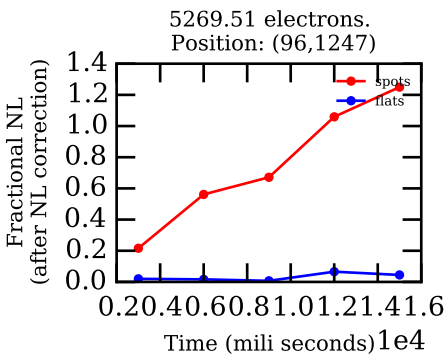

C2 spots after NL correction
-2.04e-05 +/-
5.25e-10
1.16e-05 +/-
7.6e-11
3.88e-05 +/-
5.32e-10

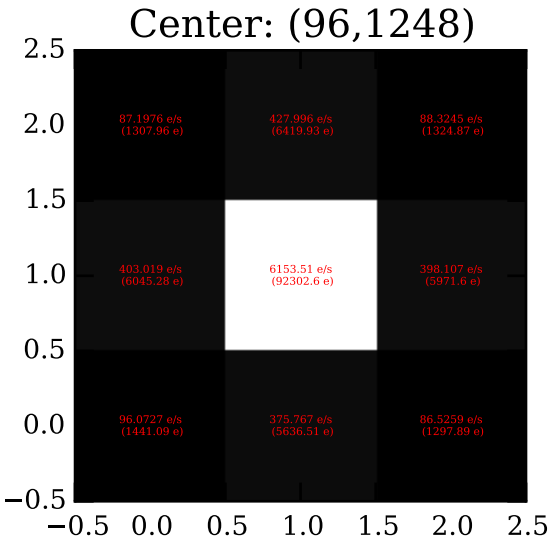

6076.77 electrons.
Position: (96,1249)
Fractional NL
(after NL correction)
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

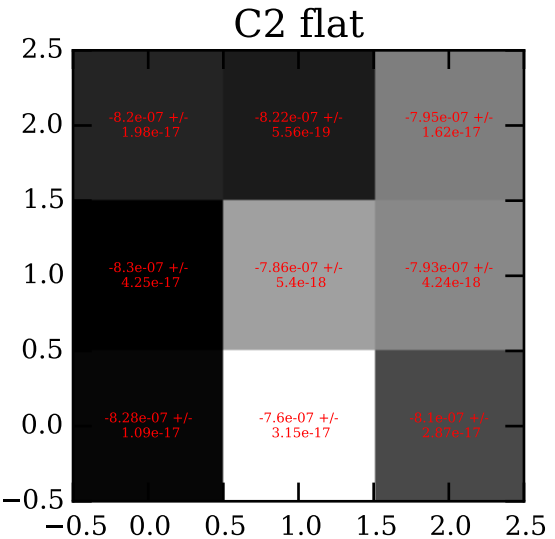

5653.83 electrons.
Position: (95,1248)
Fractional NL
(after NL correction)
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
−0.05
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

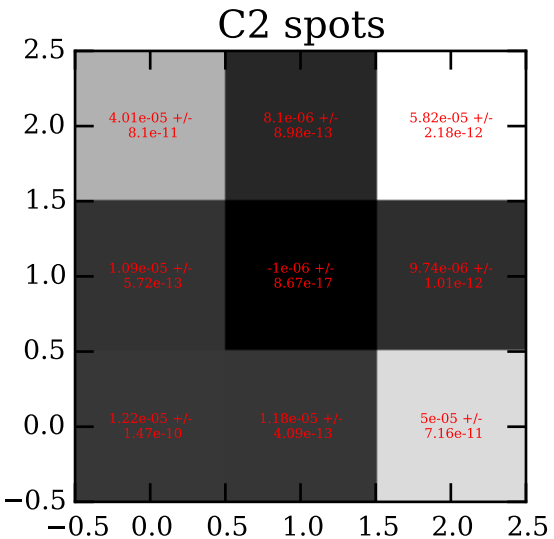

94569.3 electrons.
Position: (96,1248)
Fractional NL
(after NL correction)
0.06
0.05
0.04
0.03
0.02
0.01
0.00
−0.01
−0.02
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

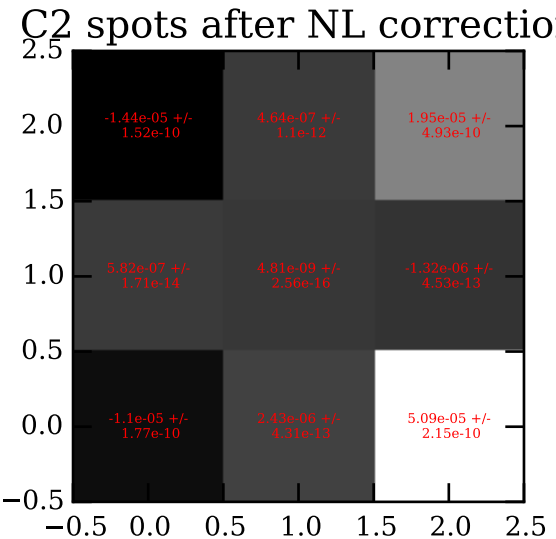

5627.02 electrons.
Position: (97,1248)
Fractional NL
(after NL correction)
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

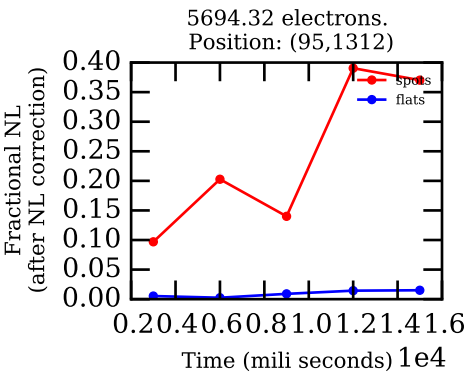

5269.51 electrons.
Position: (96,1247)
Fractional NL
(after NL correction)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

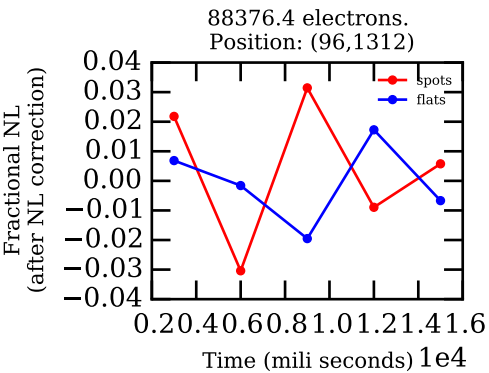

Center: (96,1248)
87.1976 e/s
(1307.96 e)
427.996 e/s
(6419.93 e)
88.3245 e/s
(1324.87 e)
403.019 e/s
(6045.28 e)
6153.51 e/s
(92302.6 e)
398.107 e/s
(5971.6 e)
96.0727 e/s
(1441.09 e)
375.767 e/s
(5636.51 e)
86.5259 e/s
(1297.89 e)

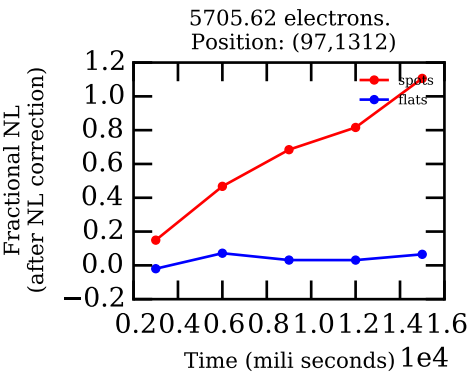

C2 flat
-8.2e-07 +/-
1.98e-17
-8.22e-07 +/-
5.56e-19
-7.95e-07 +/-
1.62e-17
-8.3e-07 +/-
4.25e-17
-7.86e-07 +/-
5.4e-18
-7.93e-07 +/-
4.24e-18
-8.28e-07 +/-
1.09e-17
-7.6e-07 +/-
3.15e-17

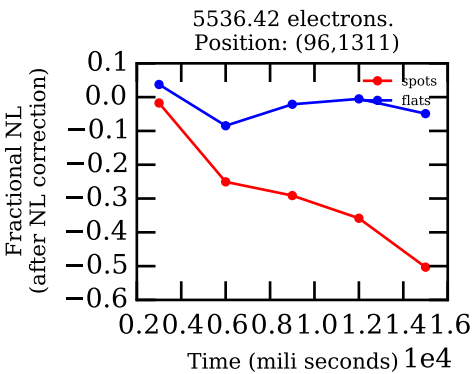

C2 spots
4.01e-05 +/-
8.1e-11
8.1e-06 +/-
8.98e-13
5.82e-05 +/-
2.18e-12
1.09e-05 +/-
5.72e-13
-1e-06 +/-
8.67e-17
9.74e-06 +/-
1.01e-12
1.22e-05 +/-
1.47e-10
1.18e-05 +/-
4.09e-13
5e-05 +/-
7.16e-11

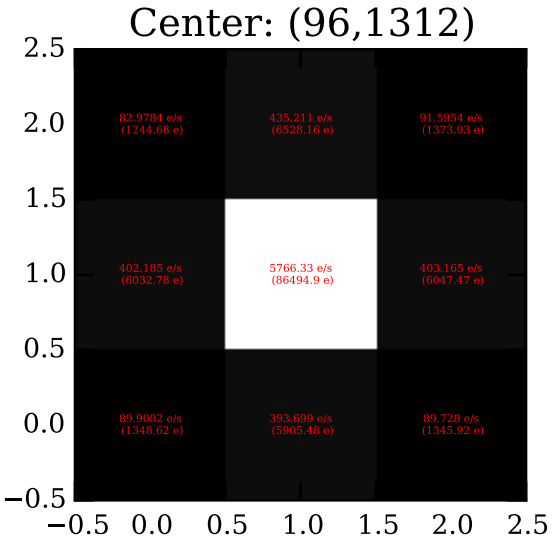

C2 spots after NL correction
-1.44e-05 +/-
1.52e-10
4.64e-07 +/-
1.1e-12
1.95e-05 +/-
4.93e-10
5.82e-07 +/-
1.71e-14
4.81e-09 +/-
2.56e-16
-1.32e-06 +/-
4.53e-13
-1.1e-05 +/-
1.77e-10
2.43e-06 +/-
4.31e-13
5.09e-05 +/-
2.15e-10

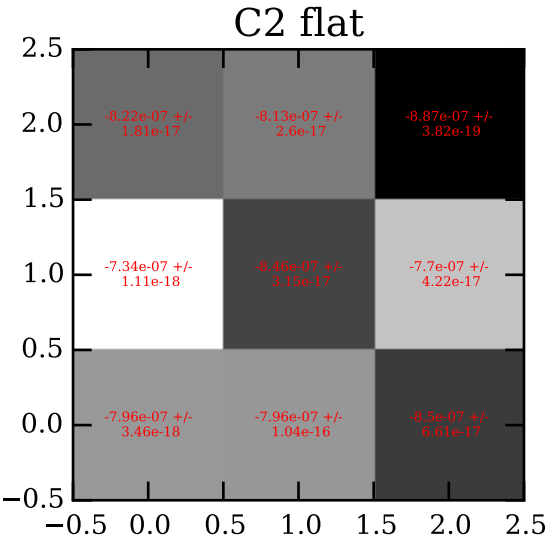

5694.32 electrons.
Position: (95,1312)
Fractional NL
(after NL correction)
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

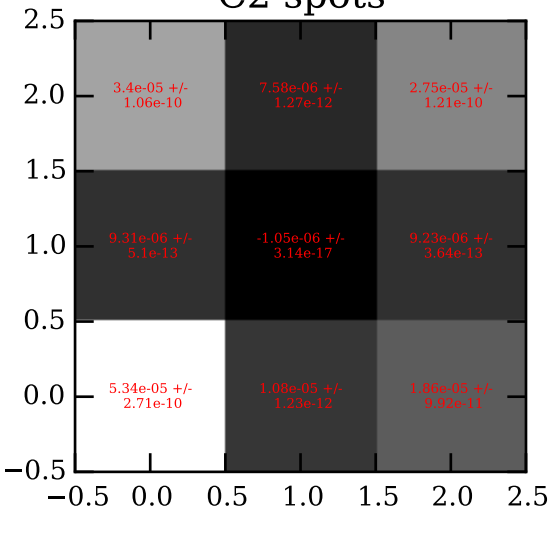

88376.4 electrons.
Position: (96,1312)
Fractional NL
(after NL correction)
0.04
0.03
0.02
0.01
0.00
−0.01
−0.02
−0.03
−0.04
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

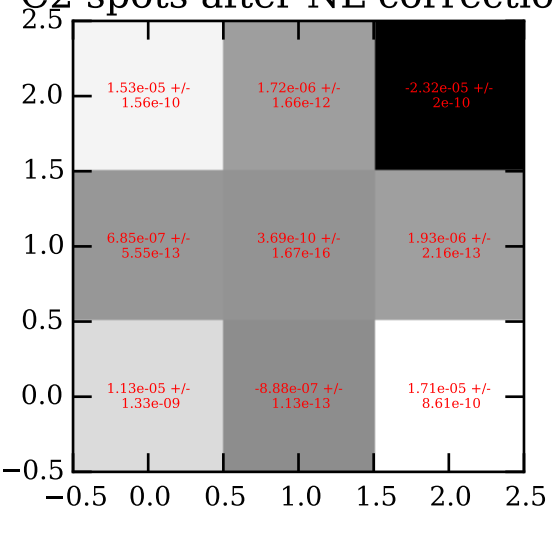

5705.62 electrons.
Position: (97,1312)
Fractional NL
(after NL correction)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

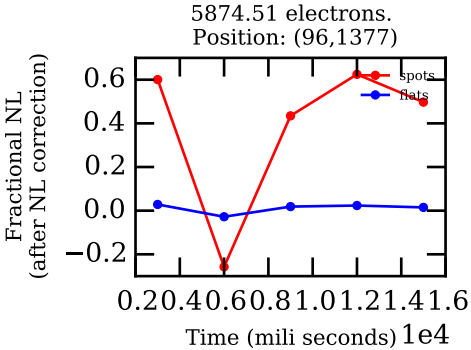

5536.42 electrons.
Position: (96,1311)
Fractional NL
(after NL correction)
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

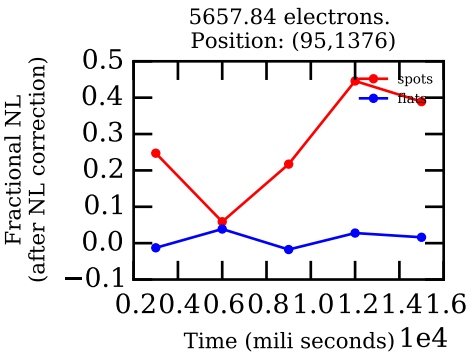

Center: (96,1312)
82.9784 e/s
(1244.68 e)
435.211 e/s
(6528.16 e)
91.5954 e/s
(1373.93 e)
402.185 e/s
(6032.78 e)
5766.33 e/s
(86494.9 e)
403.165 e/s
(6047.47 e)
89.9082 e/s
(1348.62 e)
393.699 e/s
(5905.48 e)
89.728 e/s
(1345.92 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

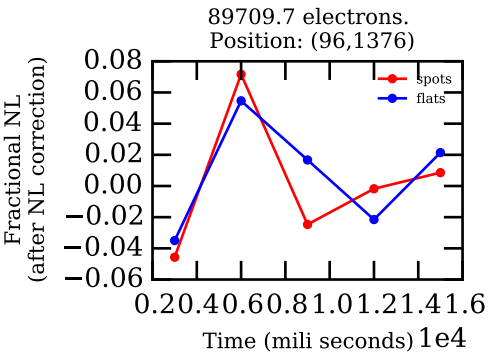

C2 flat
-8.22e-07 +/-
1.81e-17
-8.13e-07 +/-
2.6e-17
-8.87e-07 +/-
3.82e-19
-7.34e-07 +/-
1.11e-18
-8.46e-07 +/-
3.15e-17
-7.7e-07 +/-
4.22e-17
-7.96e-07 +/-
3.46e-18
-7.96e-07 +/-
1.04e-16
-8.5e-07 +/-
6.61e-17
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

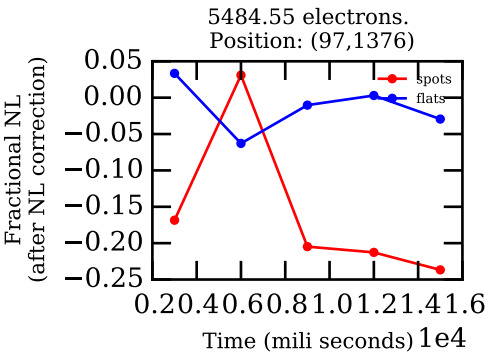

C2 spots
3.4e-05 +/-
1.06e-10
7.58e-06 +/-
1.27e-12
2.75e-05 +/-
1.21e-10
9.31e-06 +/-
5.1e-13
-1.05e-06 +/-
3.14e-17
9.23e-06 +/-
3.64e-13
5.34e-05 +/-
2.71e-10
1.08e-05 +/-
1.23e-12
1.86e-05 +/-
9.02e-11
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

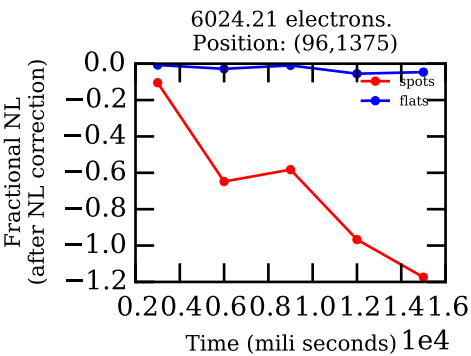

C2 spots after NL correction
1.53e-05 +/-
1.56e-10
1.72e-06 +/-
1.66e-12
-2.32e-05 +/-
2e-10
6.85e-07 +/-
5.55e-13
3.69e-10 +/-
1.67e-16
1.93e-06 +/-
2.16e-13
1.13e-05 +/-
1.33e-09
-8.88e-07 +/-
1.13e-13
1.71e-05 +/-
8.61e-10
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

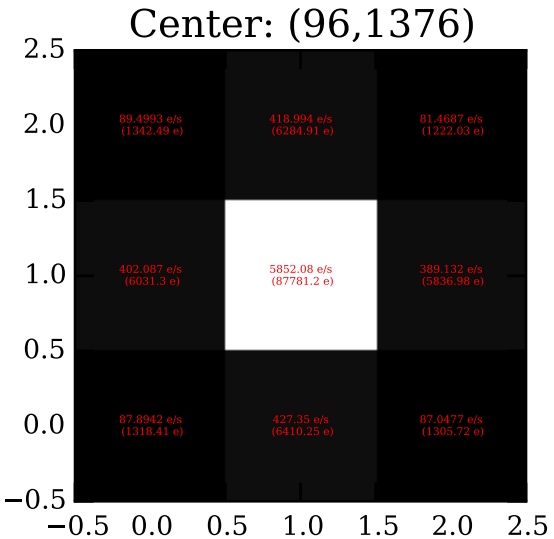

5874.51 electrons.
Position: (96,1377)
Fractional NL
(after NL correction)
0.6
0.4
0.2
0.0
−0.2
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

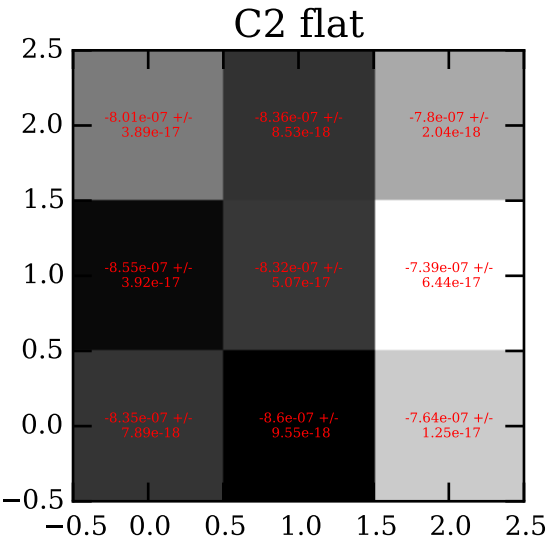

5657.84 electrons.
Position: (95,1376)
Fractional NL
(after NL correction)
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

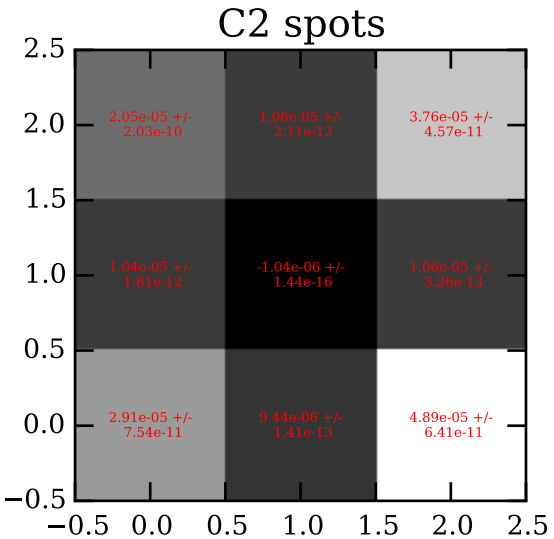

89709.7 electrons.
Position: (96,1376)
Fractional NL
(after NL correction)
0.08
0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

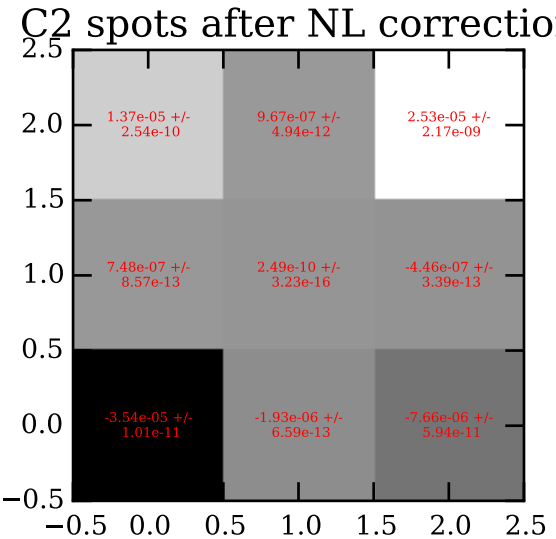

5484.55 electrons.
Position: (97,1376)
Fractional NL
(after NL correction)
0.05
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

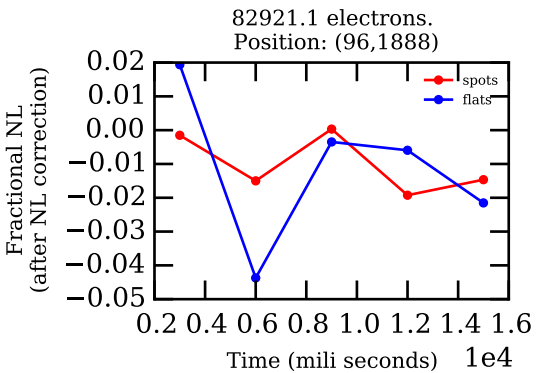

6024.21 electrons.
Position: (96,1375)
Fractional NL
(after NL correction)
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−1.2
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

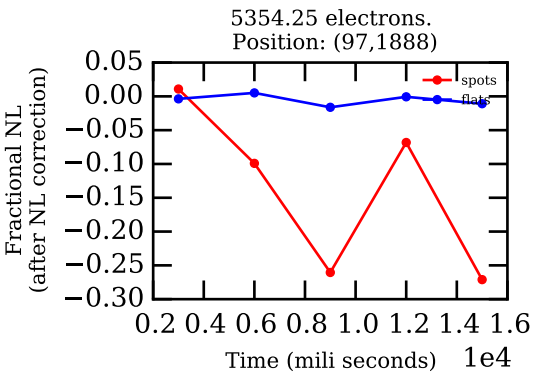

Center: (96,1376)
89.4993 e/s
(1342.49 e)
418.994 e/s
(6284.91 e)
81.4687 e/s
(1222.03 e)
402.087 e/s
(6031.3 e)
5852.08 e/s
(87781.2 e)
389.132 e/s
(5836.98 e)
87.8942 e/s
(1318.41 e)
427.35 e/s
(6410.25 e)
87.0477 e/s
(1305.72 e)

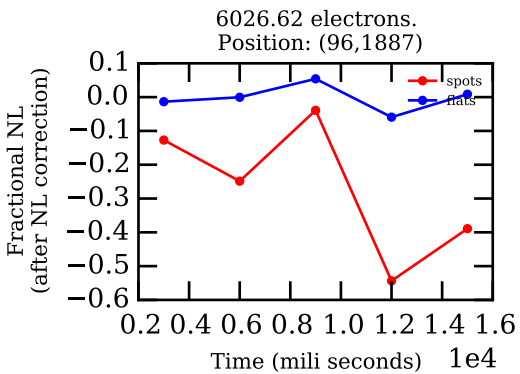

C2 flat
-8.01e-07 +/-
3.89e-17
-8.36e-07 +/-
8.53e-18
-7.8e-07 +/-
2.04e-18
-8.55e-07 +/-
3.92e-17
-8.32e-07 +/-
5.07e-17
-7.39e-07 +/-
6.44e-17
-8.35e-07 +/-
7.89e-18
-8.6e-07 +/-
9.55e-18
-7.64e-07 +/-
1.25e-17

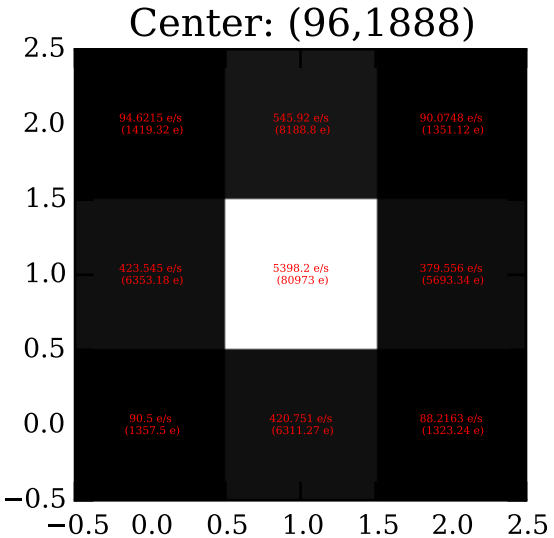

C2 spots
2.05e-05 +/-
2.03e-10
1.06e-05 +/-
2.11e-12
3.76e-05 +/-
4.57e-11
1.04e-05 +/-
1.61e-12
-1.04e-06 +/-
1.44e-16
1.06e-05 +/-
3.26e-13
2.91e-05 +/-
7.54e-11
9.44e-06 +/-
1.41e-13
4.89e-05 +/-
6.41e-11

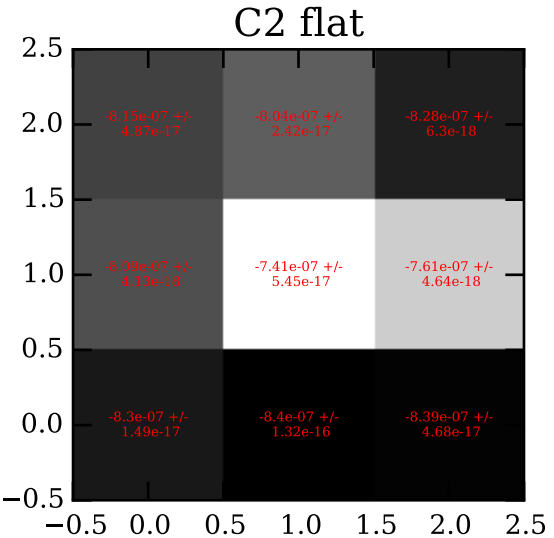

C2 spots after NL correction
1.37e-05 +/-
2.54e-10
9.67e-07 +/-
4.94e-12
2.53e-05 +/-
2.17e-09
7.48e-07 +/-
8.57e-13
2.49e-10 +/-
3.23e-16
-4.46e-07 +/-
3.39e-13
-3.54e-05 +/-
1.01e-11
-1.93e-06 +/-
6.59e-13
-7.66e-06 +/-
5.94e-11

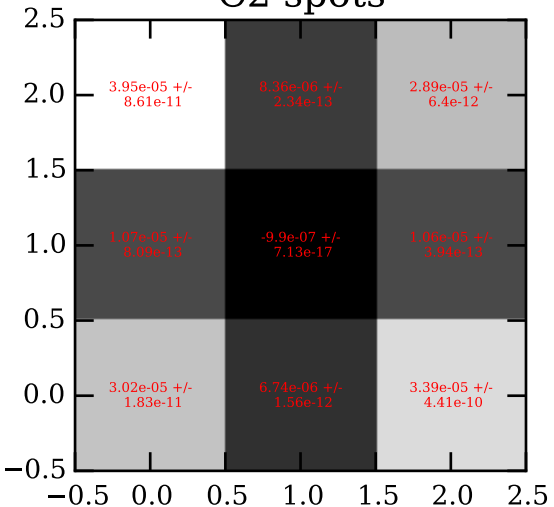

82921.1 electrons.
Position: (96,1888)
Fractional NL
(after NL correction)
0.02
0.01
0.00
−0.01
−0.02
−0.03
−0.04
−0.05
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

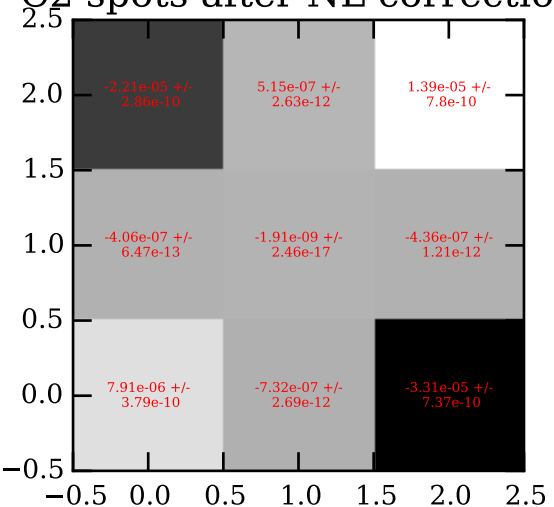

5354.25 electrons.
Position: (97,1888)
Fractional NL
(after NL correction)
0.05
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
−0.30
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

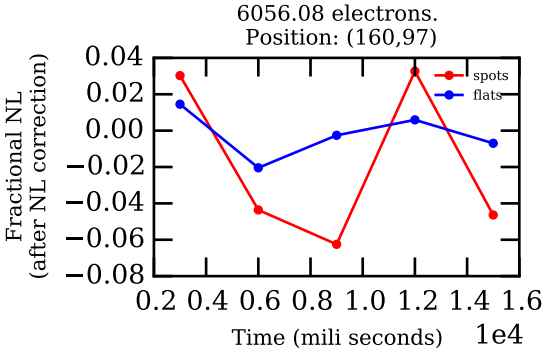

6026.62 electrons.
Position: (96,1887)
Fractional NL
(after NL correction)
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

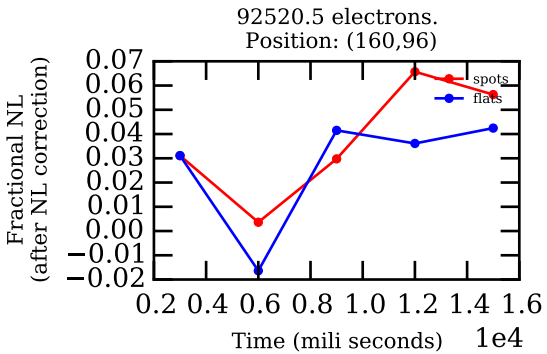

Center: (96,1888)
94.6215 e/s
(1419.32 e)
545.92 e/s
(8188.8 e)
90.0748 e/s
(1351.12 e)
423.545 e/s
(6353.18 e)
5398.2 e/s
(80973 e)
379.556 e/s
(5693.34 e)
90.5 e/s
(1357.5 e)
420.751 e/s
(6311.27 e)
88.2163 e/s
(1323.24 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

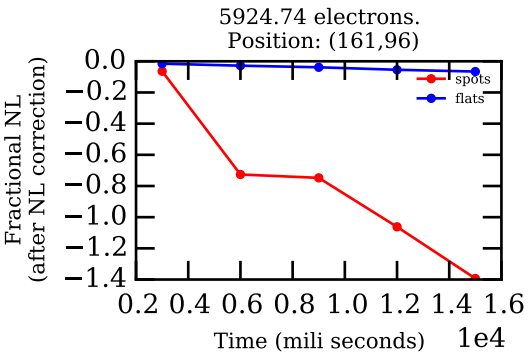

C2 flat
-8.15e-07 +/-
4.87e-17
-8.04e-07 +/-
2.42e-17
-8.28e-07 +/-
6.3e-18
-8.09e-07 +/-
4.13e-18
-7.41e-07 +/-
5.45e-17
-7.61e-07 +/-
4.64e-18
-8.3e-07 +/-
1.49e-17
-8.4e-07 +/-
1.32e-16
-8.39e-07 +/-
4.68e-17
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

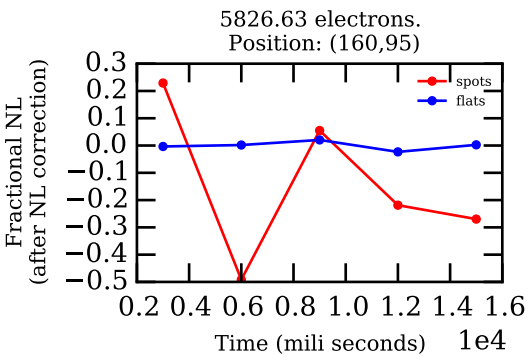

C2 spots
3.95e-05 +/-
8.61e-11
8.36e-06 +/-
2.34e-13
2.89e-05 +/-
6.4e-12
1.07e-05 +/-
8.08e-13
-9.9e-07 +/-
7.13e-17
1.06e-05 +/-
3.94e-13
3.02e-05 +/-
1.83e-11
6.74e-06 +/-
1.56e-12
3.39e-05 +/-
4.41e-10
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

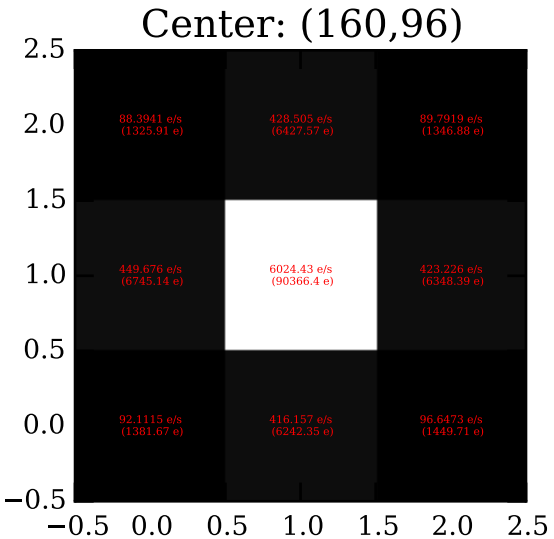

C2 spots after NL correction
-2.21e-05 +/-
2.86e-10
5.15e-07 +/-
2.63e-12
1.39e-05 +/-
7.8e-10
-4.06e-07 +/-
6.47e-13
-1.91e-09 +/-
2.46e-17
-4.36e-07 +/-
1.21e-12
7.91e-06 +/-
3.79e-10
-7.32e-07 +/-
2.69e-12
-3.31e-05 +/-
7.37e-10
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

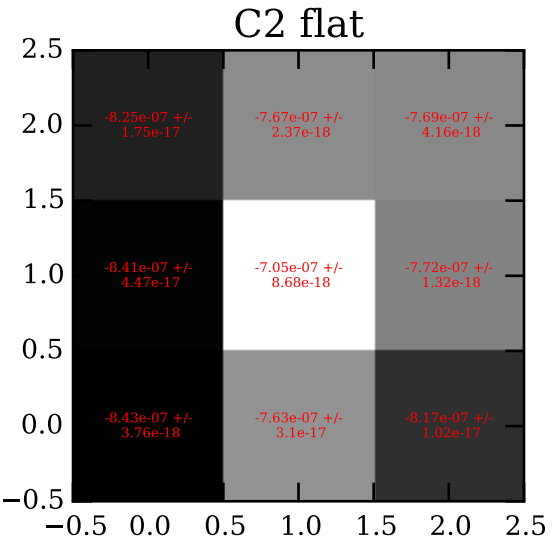

6056.08 electrons.
Position: (160,97)
Fractional NL
(after NL correction)
0.04
0.02
0.00
−0.02
−0.04
−0.06
−0.08
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

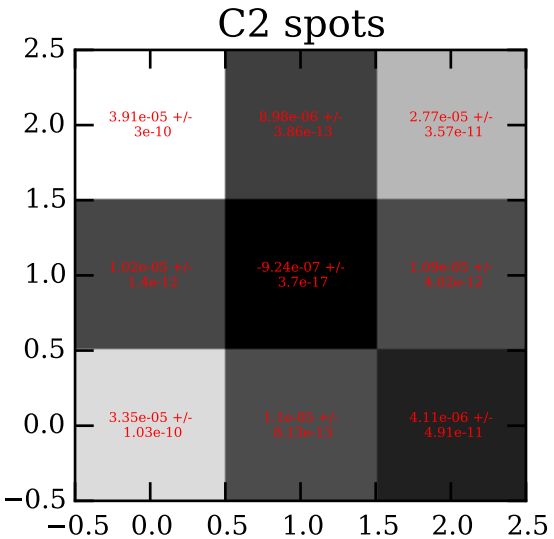

92520.5 electrons.
Position: (160,96)
Fractional NL
(after NL correction)
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
−0.01
−0.02
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

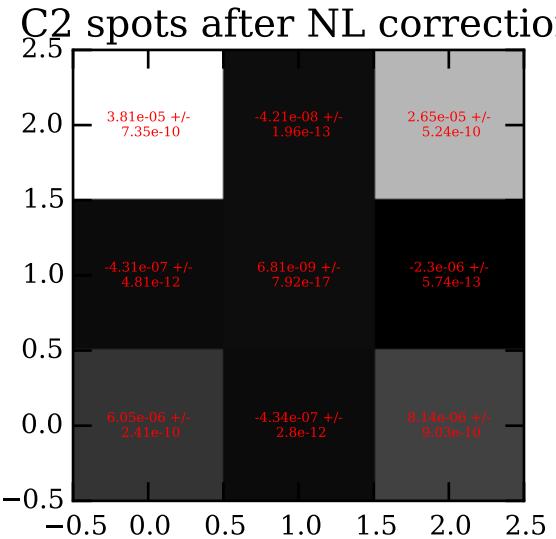

5924.74 electrons.
Position: (161,96)
Fractional NL
(after NL correction)
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−1.2
−1.4
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

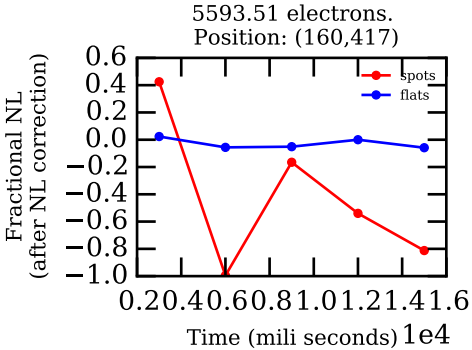

5826.63 electrons.
Position: (160,95)
Fractional NL
(after NL correction)
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
spots
flats
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4

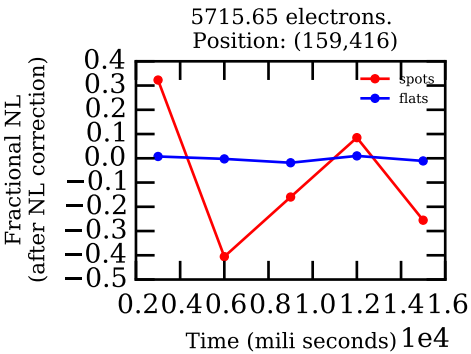

Center: (160,96)
88.3941 e/s
(1325.91 e)
428.505 e/s
(6427.57 e)
89.7919 e/s
(1346.88 e)
449.676 e/s
(6745.14 e)
6024.43 e/s
(90366.4 e)
423.226 e/s
(6348.39 e)
92.1115 e/s
(1381.67 e)
416.157 e/s
(6242.35 e)
96.6473 e/s
(1449.71 e)

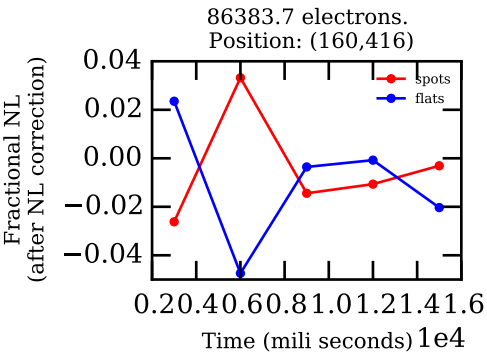

C2 flat
-8.25e-07 +/-
1.75e-17
-7.67e-07 +/-
2.37e-18
-7.69e-07 +/-
4.16e-18
-8.41e-07 +/-
4.47e-17
-7.05e-07 +/-
8.68e-18
-7.72e-07 +/-
1.32e-18
-8.43e-07 +/-
3.76e-18
-7.63e-07 +/-
3.1e-17
-8.17e-07 +/-
1.02e-17

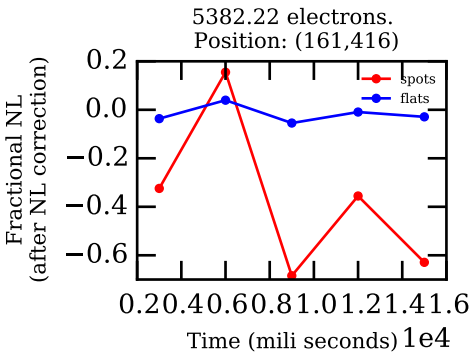

C2 spots
3.91e-05 +/-
3e-10
8.98e-06 +/-
3.86e-13
2.77e-05 +/-
3.57e-11
1.02e-05 +/-
1.4e-12
-9.24e-07 +/-
3.7e-17
1.09e-05 +/-
4.02e-12
3.35e-05 +/-
1.03e-10
1.1e-05 +/-
8.15e-14
4.11e-06 +/-
4.91e-11

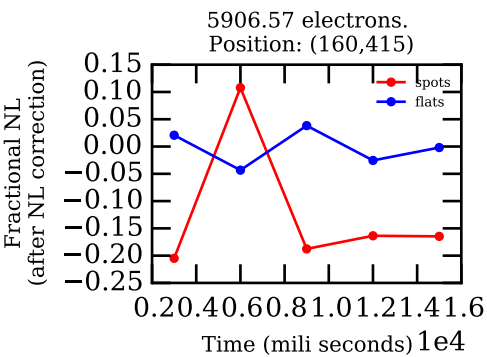

C2 spots after NL correction
3.81e-05 +/-
7.35e-10
-4.21e-08 +/-
1.96e-13
2.65e-05 +/-
5.24e-10
-4.31e-07 +/-
4.81e-12
6.81e-09 +/-
7.92e-17
-2.3e-06 +/-
5.74e-13
6.05e-06 +/-
2.41e-10
-4.34e-07 +/-
2.8e-12
8.14e-06 +/-
9.03e-10

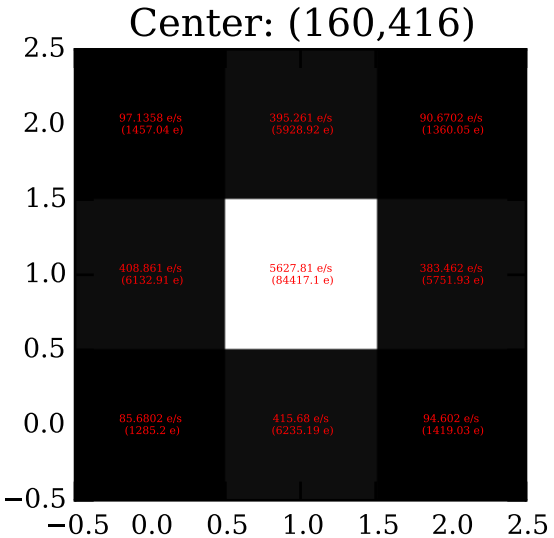

5593.51 electrons.
Position: (160,417)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

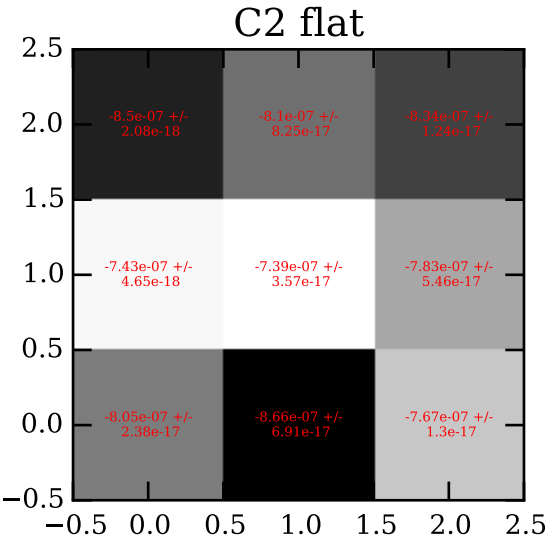

5715.65 electrons.
Position: (159,416)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

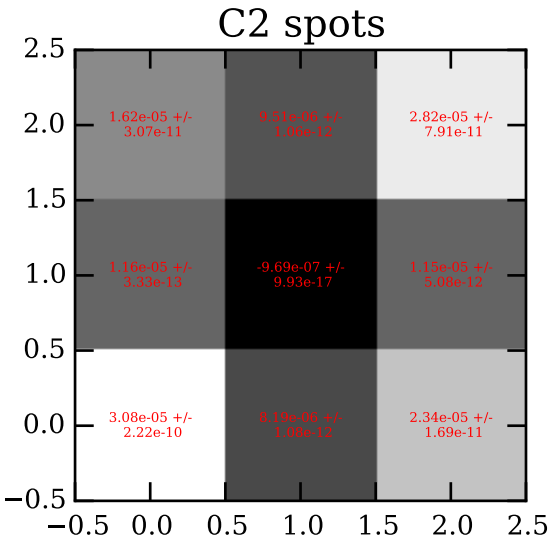

86383.7 electrons.
Position: (160,416)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

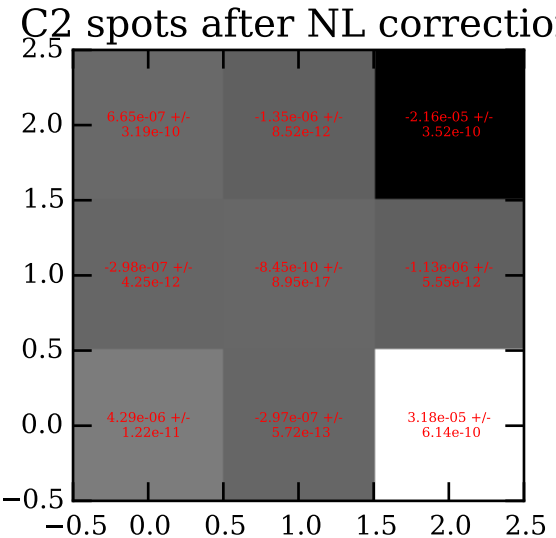

5382.22 electrons.
Position: (161,416)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

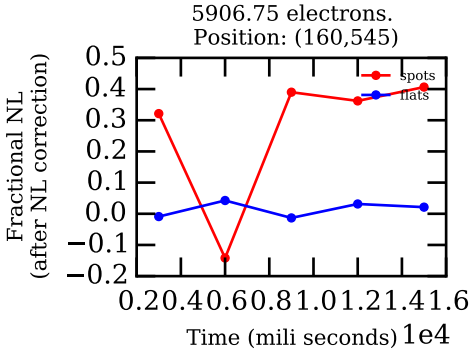

5906.57 electrons.
Position: (160,415)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

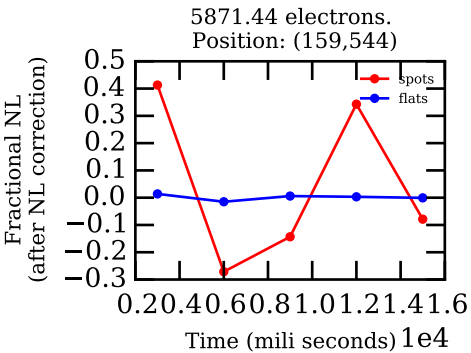

Center: (160,416)
97.1358 e/s
(1457.04 e)
395.261 e/s
(5928.92 e)
90.6702 e/s
(1360.05 e)
408.861 e/s
(6132.91 e)
5627.81 e/s
(84417.1 e)
383.462 e/s
(5751.93 e)
85.6802 e/s
(1285.2 e)
415.68 e/s
(6235.19 e)
94.602 e/s
(1419.03 e)

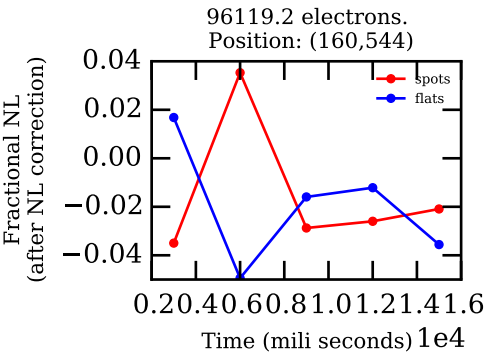

C2 flat
-8.5e-07 +/-
2.08e-18
-8.1e-07 +/-
8.25e-17
-8.34e-07 +/-
1.24e-17
-7.43e-07 +/-
4.65e-18
-7.39e-07 +/-
3.57e-17
-7.83e-07 +/-
5.46e-17
-8.05e-07 +/-
2.38e-17
-8.66e-07 +/-
6.91e-17
-7.67e-07 +/-
1.3e-17

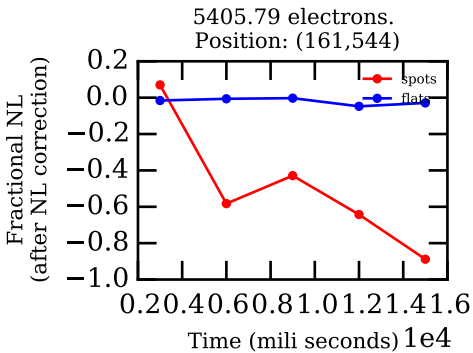

C2 spots
1.62e-05 +/-
3.07e-11
2.82e-05 +/-
7.91e-11
1.16e-05 +/-
3.33e-13
-9.69e-07 +/-
9.93e-17
1.15e-05 +/-
5.08e-12
3.08e-05 +/-
2.22e-10
2.34e-05 +/-
1.69e-11

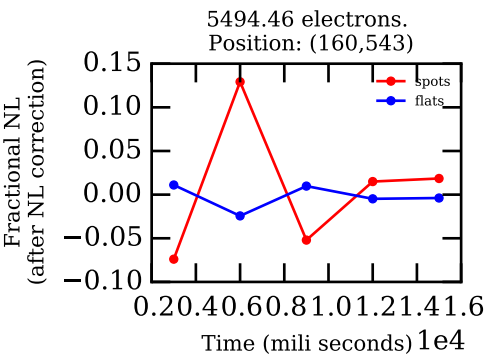

C2 spots after NL correction
6.65e-07 +/-
3.19e-10
-2.16e-05 +/-
3.52e-10
-2.98e-07 +/-
4.25e-12
-8.45e-10 +/-
8.95e-17
-1.13e-06 +/-
5.55e-12
4.29e-06 +/-
1.22e-11
-2.97e-07 +/-
5.72e-13
3.18e-05 +/-
6.14e-10

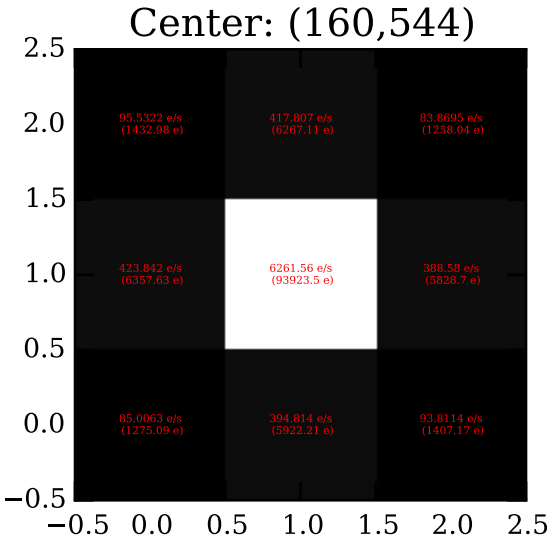

5906.75 electrons.
Position: (160,545)
Fractional NL
(after NL correction)
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)
1e4

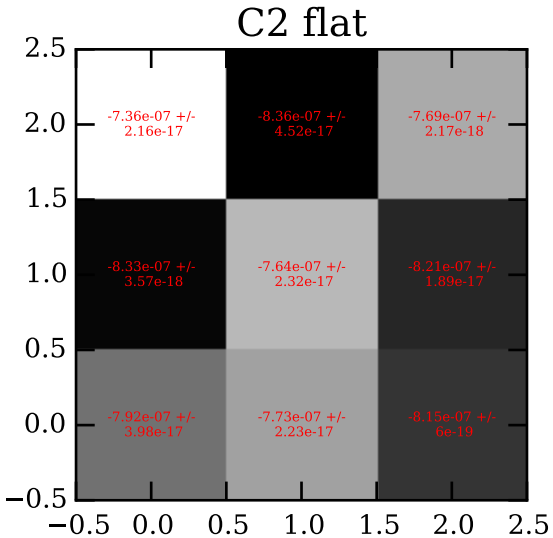

5871.44 electrons.
Position: (159,544)
Fractional NL
(after NL correction)
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)
1e4

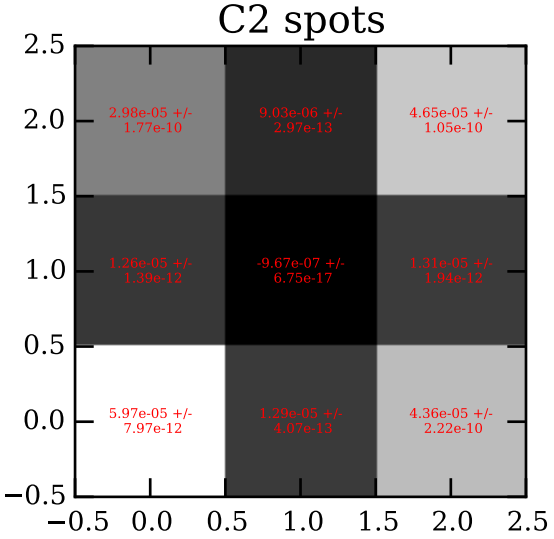

96119.2 electrons.
Position: (160,544)
Fractional NL
(after NL correction)
0.04
0.02
0.00
−0.02
−0.04
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)
1e4

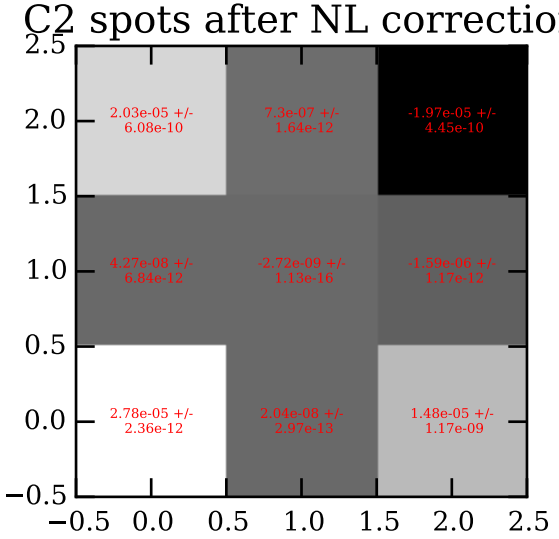

5405.79 electrons.
Position: (161,544)
Fractional NL
(after NL correction)
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)
1e4

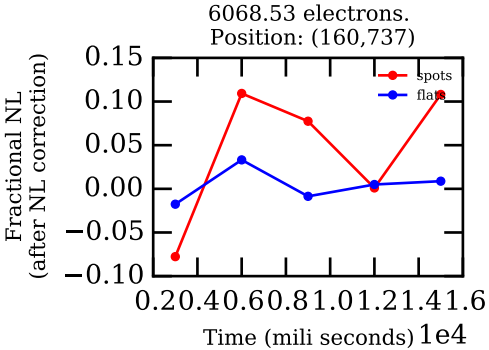

5494.46 electrons.
Position: (160,543)
Fractional NL
(after NL correction)
0.15
0.10
0.05
0.00
−0.05
−0.10
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)
1e4

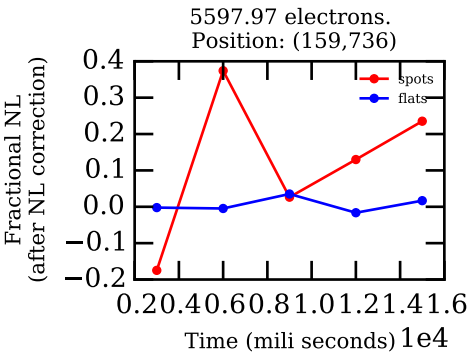

Center: (160,544)
95.5322 e/s
(1432.98 e)
417.807 e/s
(6267.11 e)
83.8695 e/s
(1258.04 e)
423.842 e/s
(6357.63 e)
6261.56 e/s
(93923.5 e)
388.58 e/s
(5828.7 e)
85.0063 e/s
(1275.09 e)
394.814 e/s
(5922.21 e)
93.8114 e/s
(1407.17 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

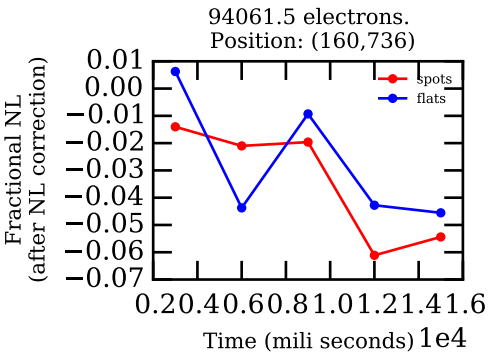

C2 flat
-7.36e-07 +/-
2.16e-17
-8.36e-07 +/-
4.52e-17
-7.69e-07 +/-
2.17e-18
-8.33e-07 +/-
3.57e-18
-7.64e-07 +/-
2.32e-17
-8.21e-07 +/-
1.89e-17
-7.92e-07 +/-
3.98e-17
-7.73e-07 +/-
2.23e-17
-8.15e-07 +/-
6e-19
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

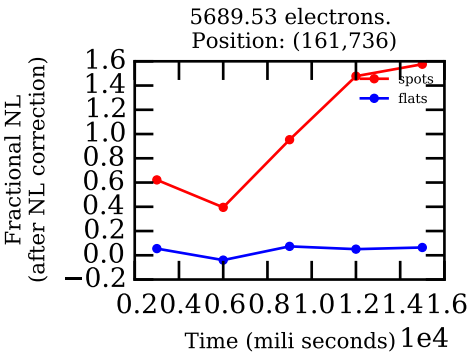

C2 spots
2.98e-05 +/-
1.77e-10
9.03e-06 +/-
2.97e-13
4.65e-05 +/-
1.05e-10
1.26e-05 +/-
1.39e-12
-9.67e-07 +/-
6.75e-17
1.31e-05 +/-
1.94e-12
5.97e-05 +/-
7.97e-12
1.29e-05 +/-
4.07e-13
4.36e-05 +/-
2.22e-10
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

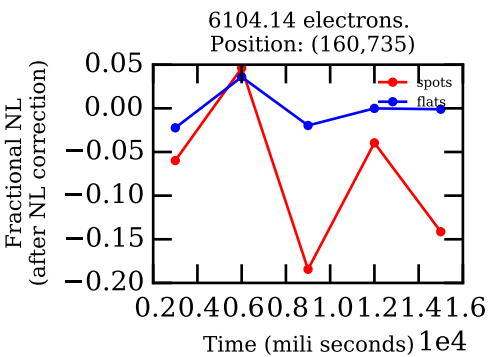

C2 spots after NL correction
2.03e-05 +/-
6.08e-10
7.3e-07 +/-
1.64e-12
-1.97e-05 +/-
4.45e-10
4.27e-08 +/-
6.84e-12
-2.72e-09 +/-
1.13e-16
-1.59e-06 +/-
1.17e-12
2.78e-05 +/-
2.36e-12
2.04e-08 +/-
2.97e-13
1.48e-05 +/-
1.17e-09
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

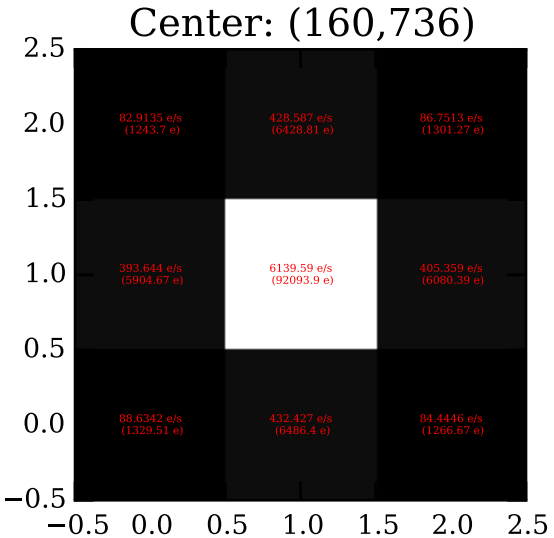

6068.53 electrons.
Position: (160,737)
Fractional NL
(after NL correction)
0.15
0.10
0.05
0.00
−0.05
−0.10
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)
1e4

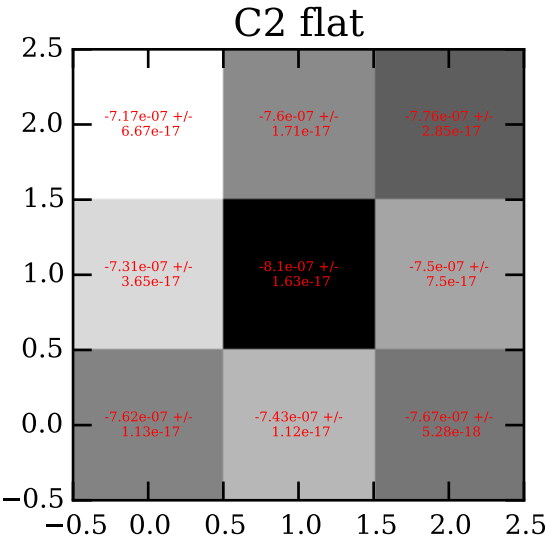

5597.97 electrons.
Position: (159,736)
Fractional NL
(after NL correction)
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)
1e4

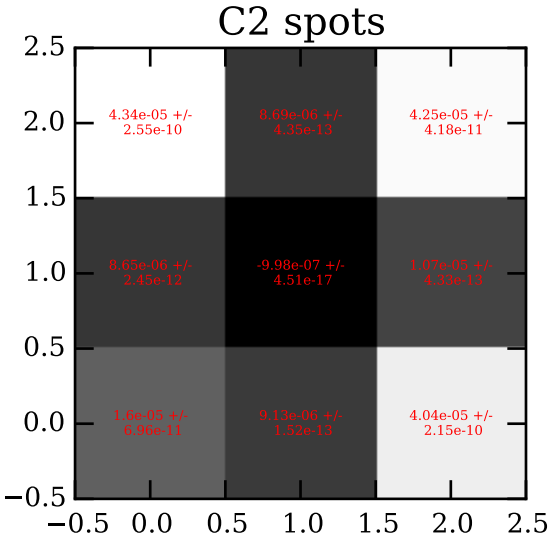

94061.5 electrons.
Position: (160,736)
Fractional NL
(after NL correction)
0.01
0.00
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
−0.07
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)
1e4

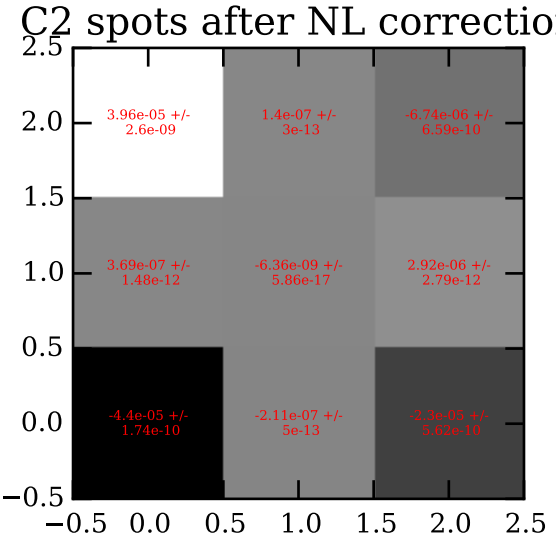

5689.53 electrons.
Position: (161,736)
Fractional NL
(after NL correction)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)
1e4

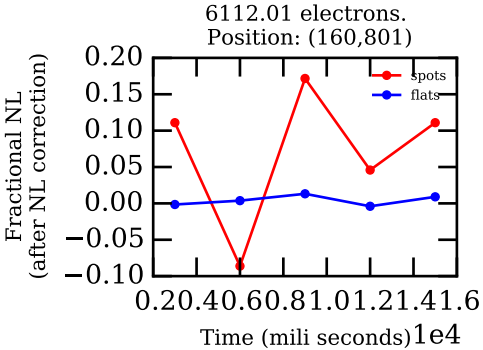

6104.14 electrons.
Position: (160,735)
Fractional NL
(after NL correction)
0.05
0.00
−0.05
−0.10
−0.15
−0.20
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)
1e4

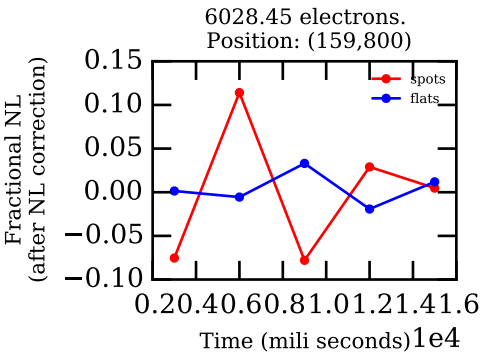

Center: (160,736)
82.9135 e/s
(1243.7 e)
428.587 e/s
(6428.81 e)
86.7513 e/s
(1301.27 e)
393.644 e/s
(5904.67 e)
6139.59 e/s
(92093.9 e)
405.359 e/s
(6080.39 e)
88.6342 e/s
(1329.51 e)
432.427 e/s
(6486.4 e)
84.4446 e/s
(1266.67 e)

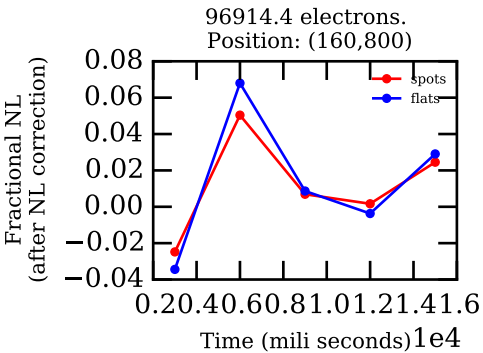

C2 flat
-7.17e-07 +/-
6.67e-17
-7.6e-07 +/-
1.71e-17
-7.76e-07 +/-
2.85e-17
-7.31e-07 +/-
3.65e-17
-8.1e-07 +/-
1.63e-17
-7.5e-07 +/-
7.5e-17
-7.62e-07 +/-
1.13e-17
-7.43e-07 +/-
1.12e-17
-7.67e-07 +/-
5.28e-18

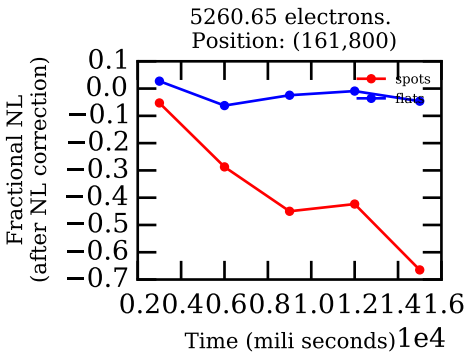

C2 spots
4.34e-05 +/-
2.55e-10
8.69e-06 +/-
4.35e-13
4.25e-05 +/-
4.18e-11
8.65e-06 +/-
2.45e-12
-9.98e-07 +/-
4.51e-17
1.07e-05 +/-
4.33e-13
1.6e-05 +/-
6.96e-11
9.13e-06 +/-
1.52e-13
4.04e-05 +/-
2.15e-10

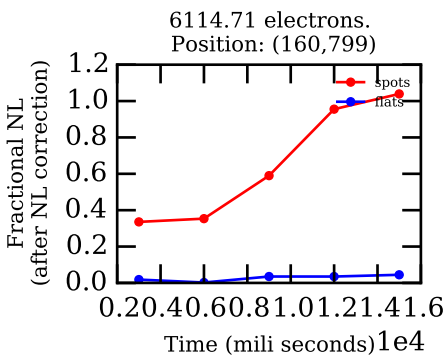

C2 spots after NL correction
3.96e-05 +/-
2.6e-09
1.4e-07 +/-
3e-13
-6.74e-06 +/-
6.59e-10
3.69e-07 +/-
1.48e-12
-6.36e-09 +/-
5.86e-17
2.92e-06 +/-
2.79e-12
-4.4e-05 +/-
1.74e-10
-2.11e-07 +/-
5e-13
-2.3e-05 +/-
5.62e-10

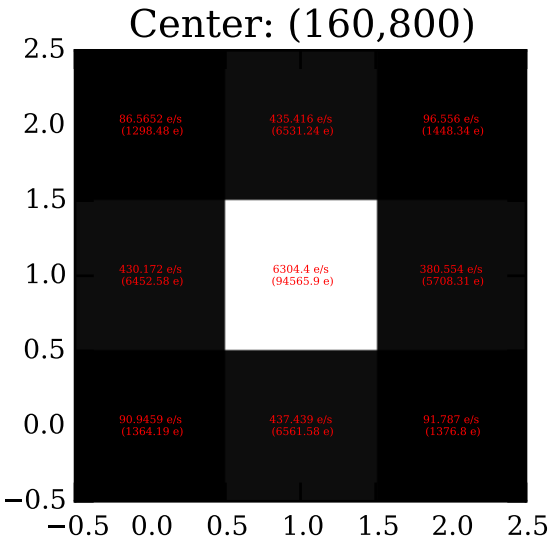

6112.01 electrons.
Position: (160,801)
Fractional NL
(after NL correction)
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

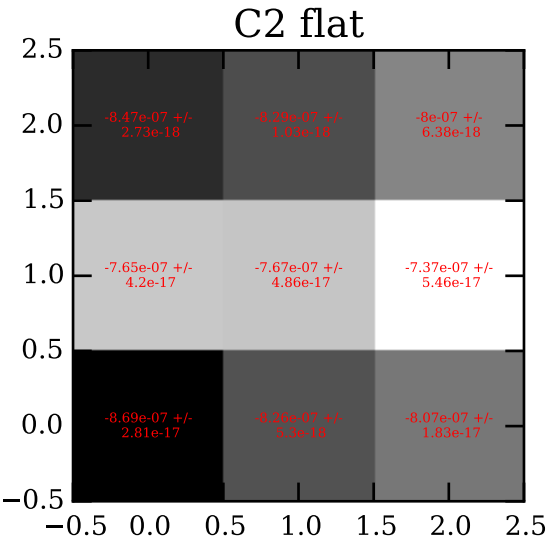

6028.45 electrons.
Position: (159,800)
Fractional NL
(after NL correction)
0.15
0.10
0.05
0.00
−0.05
−0.10
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

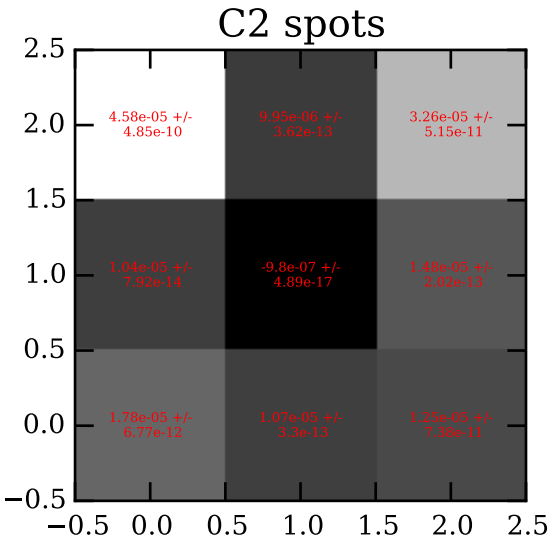

96914.4 electrons.
Position: (160,800)
Fractional NL
(after NL correction)
0.08
0.06
0.04
0.02
0.00
−0.02
−0.04
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

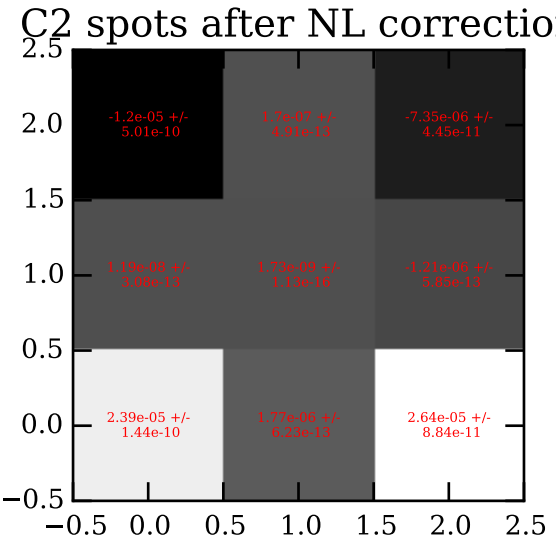

5260.65 electrons.
Position: (161,800)
Fractional NL
(after NL correction)
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

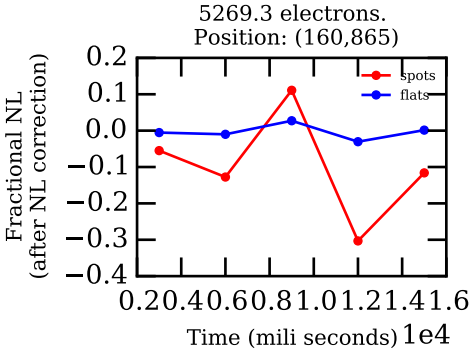

6114.71 electrons.
Position: (160,799)
Fractional NL
(after NL correction)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

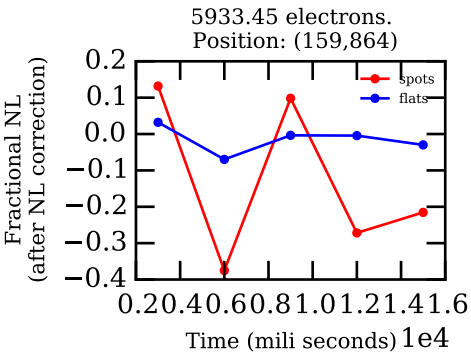

Center: (160,800)
86.5652 e/s
(1298.48 e)
435.416 e/s
(6531.24 e)
96.556 e/s
(1448.34 e)
430.172 e/s
(6452.58 e)
6304.4 e/s
(94565.9 e)
380.554 e/s
(5708.31 e)
90.9459 e/s
(1364.19 e)
437.439 e/s
(6561.58 e)
91.787 e/s
(1376.8 e)

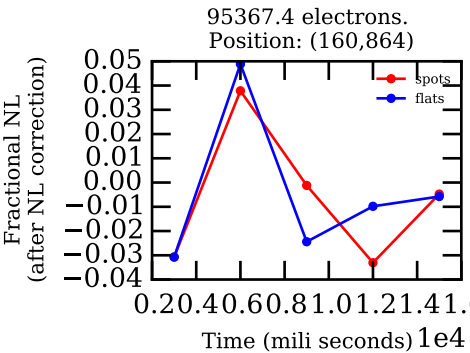

C2 flat
-8.47e-07 +/-
2.73e-18
-8.29e-07 +/-
1.03e-18
-8e-07 +/-
6.38e-18
-7.65e-07 +/-
4.2e-17
-7.67e-07 +/-
4.86e-17
-7.37e-07 +/-
5.46e-17
-8.69e-07 +/-
2.81e-17
-8.07e-07 +/-
1.83e-17

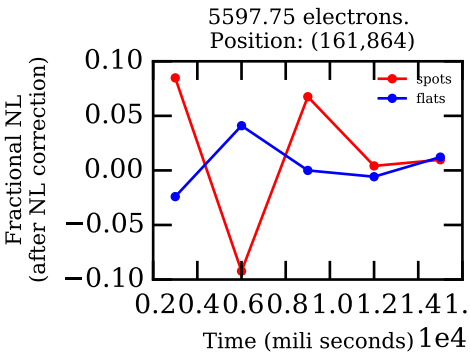

C2 spots
4.58e-05 +/-
4.85e-10
9.95e-06 +/-
3.62e-13
3.26e-05 +/-
5.15e-11
1.04e-05 +/-
7.92e-14
-9.8e-07 +/-
4.89e-17
1.48e-05 +/-
2.62e-13
1.78e-05 +/-
6.77e-12
1.07e-05 +/-
3.3e-13
1.25e-05 +/-
7.38e-11

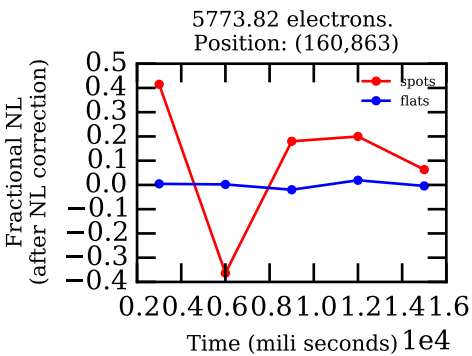

C2 spots after NL correction
-1.2e-05 +/-
5.01e-10
1.7e-07 +/-
4.91e-13
-7.35e-06 +/-
4.45e-11
1.19e-08 +/-
3.08e-13
1.73e-09 +/-
1.13e-16
-1.21e-06 +/-
5.85e-13
2.39e-05 +/-
1.44e-10
1.72e-06 +/-
8.22e-13
2.64e-05 +/-
8.84e-11

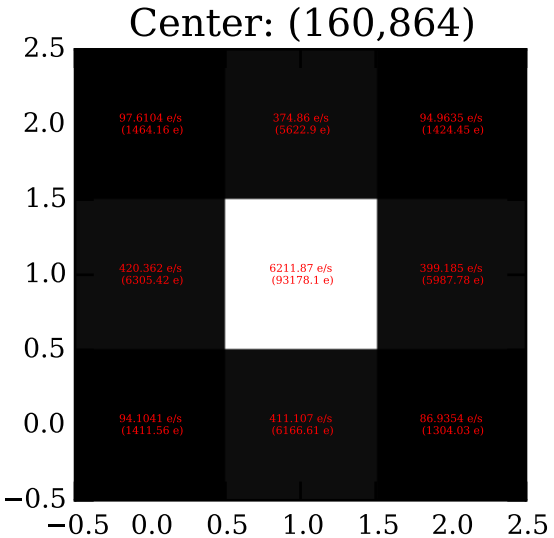

5269.3 electrons.
Position: (160,865)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

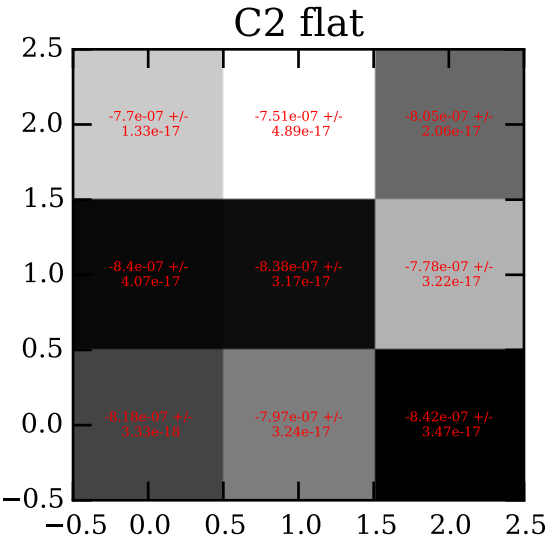

5933.45 electrons.
Position: (159,864)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

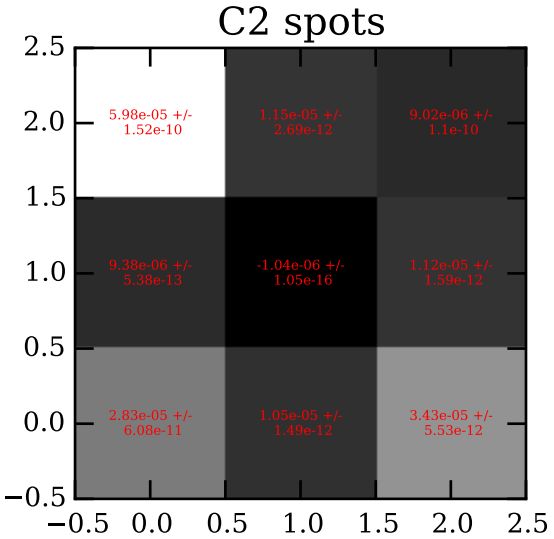

95367.4 electrons.
Position: (160,864)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

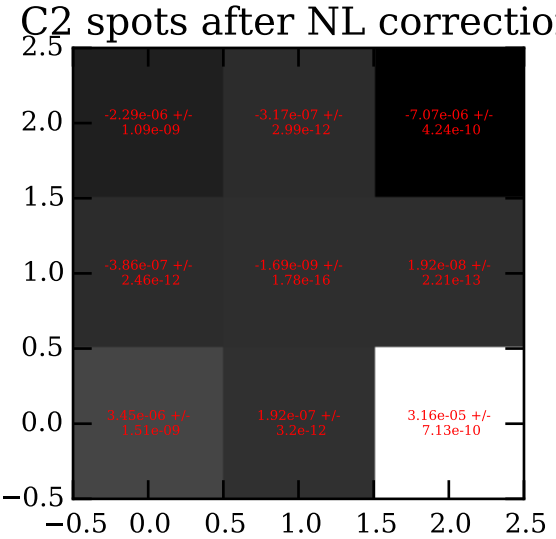

5597.75 electrons.
Position: (161,864)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

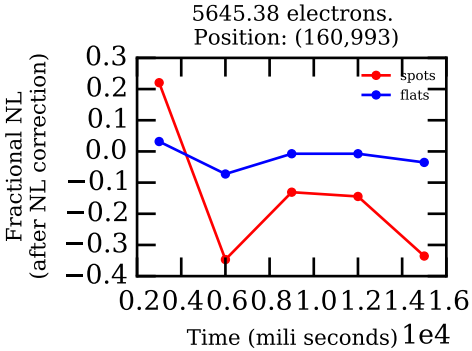

5773.82 electrons.
Position: (160,863)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

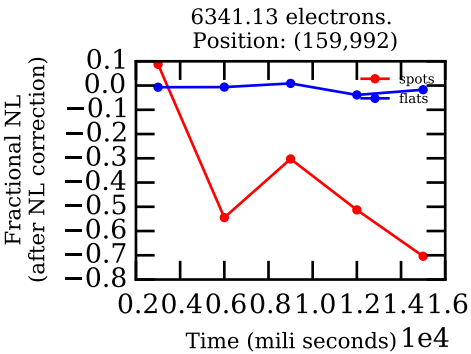

Center: (160,864)
97.6104 e/s
(1464.16 e)
374.86 e/s
(5622.9 e)
94.9635 e/s
(1424.45 e)
420.362 e/s
(6305.42 e)
6211.87 e/s
(93178.1 e)
399.185 e/s
(5987.78 e)
94.1041 e/s
(1411.56 e)
411.107 e/s
(6166.61 e)
86.9354 e/s
(1304.03 e)

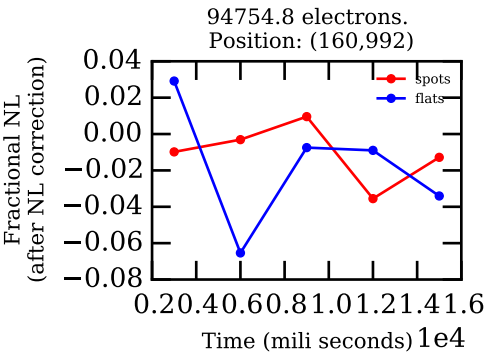

C2 flat
-7.7e-07 +/-
1.33e-17
-7.51e-07 +/-
4.89e-17
-8.05e-07 +/-
2.06e-17
-8.4e-07 +/-
4.07e-17
-8.38e-07 +/-
3.17e-17
-7.78e-07 +/-
3.22e-17
-8.18e-07 +/-
3.33e-18
-7.97e-07 +/-
3.24e-17
-8.42e-07 +/-
3.47e-17

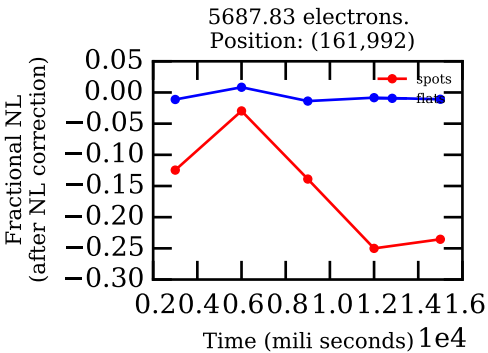

C2 spots
5.98e-05 +/-
1.52e-10
1.15e-05 +/-
2.69e-12
9.02e-06 +/-
1.1e-10
9.38e-06 +/-
5.38e-13
-1.04e-06 +/-
1.05e-16
1.12e-05 +/-
1.59e-12
2.83e-05 +/-
6.08e-11
1.05e-05 +/-
1.49e-12
3.43e-05 +/-
5.53e-12

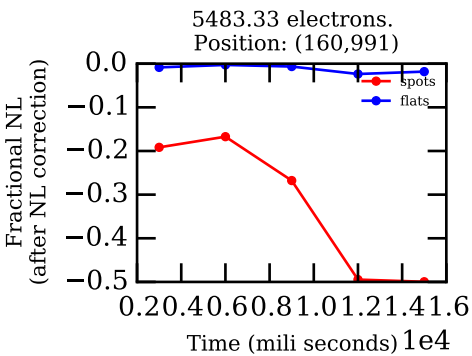

C2 spots after NL correction
-2.29e-06 +/-
1.09e-09
-3.17e-07 +/-
2.99e-12
-7.07e-06 +/-
4.24e-10
-3.86e-07 +/-
2.46e-12
-1.69e-09 +/-
1.78e-16
1.92e-08 +/-
2.21e-13
3.45e-06 +/-
1.51e-09
1.92e-07 +/-
3.2e-12
3.16e-05 +/-
7.13e-10

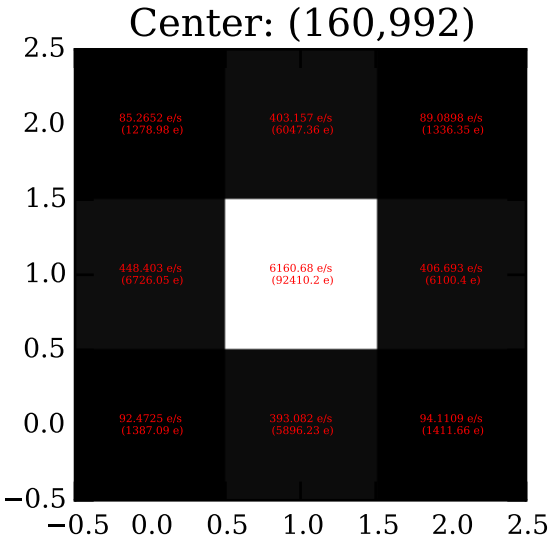

5645.38 electrons.
Position: (160,993)
Fractional NL
(after NL correction)
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.4
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

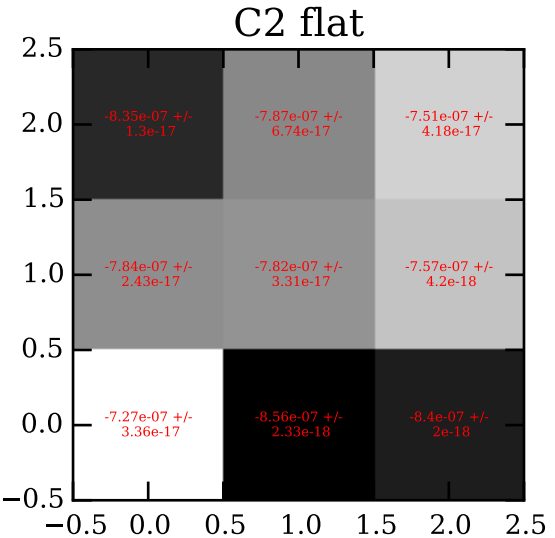

6341.13 electrons.
Position: (159,992)
Fractional NL
(after NL correction)
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

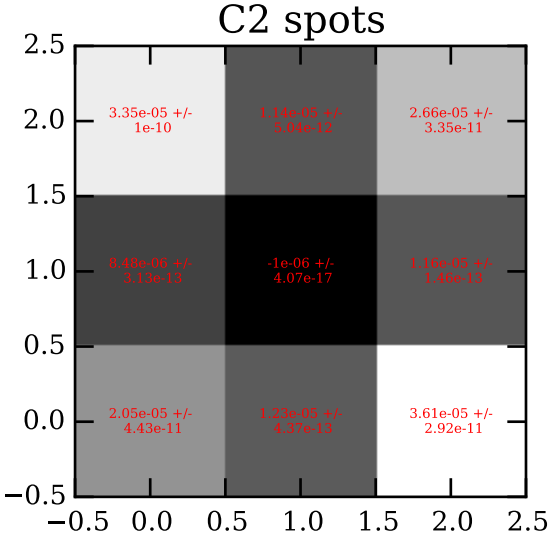

94754.8 electrons.
Position: (160,992)
Fractional NL
(after NL correction)
0.04
0.02
0.00
−0.02
−0.04
−0.06
−0.08
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

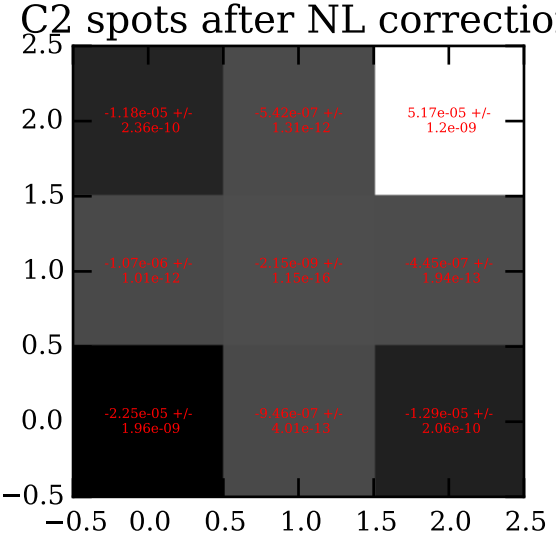

5687.83 electrons.
Position: (161,992)
Fractional NL
(after NL correction)
0.05
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
−0.30
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

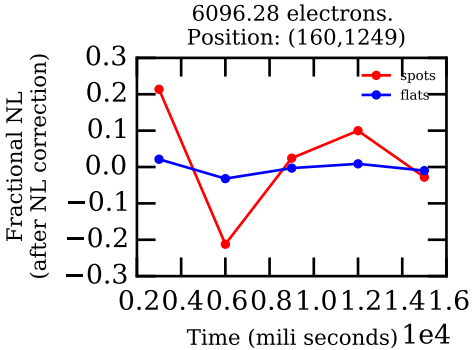

5483.33 electrons.
Position: (160,991)
Fractional NL
(after NL correction)
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

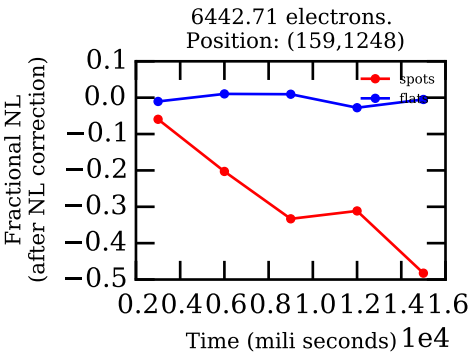

Center: (160,992)
85.2652 e/s
(1278.98 e)
403.157 e/s
(6047.36 e)
89.0898 e/s
(1336.35 e)
448.403 e/s
(6726.05 e)
6160.68 e/s
(92410.2 e)
406.693 e/s
(6100.4 e)
92.4725 e/s
(1387.09 e)
393.082 e/s
(5896.23 e)
94.1109 e/s
(1411.66 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

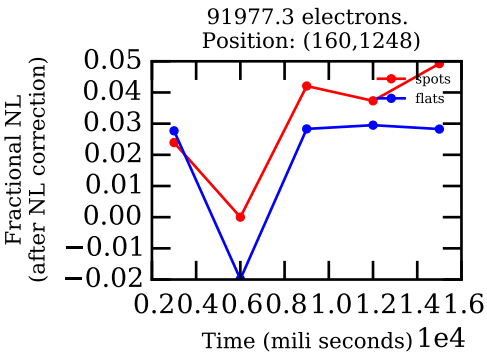

C2 flat
-8.35e-07 +/-
1.3e-17
-7.87e-07 +/-
6.74e-17
-7.51e-07 +/-
4.18e-17
-7.84e-07 +/-
2.43e-17
-7.82e-07 +/-
3.31e-17
-7.57e-07 +/-
4.2e-18
-7.27e-07 +/-
3.36e-17
-8.56e-07 +/-
2.33e-18
-8.4e-07 +/-
2e-18
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

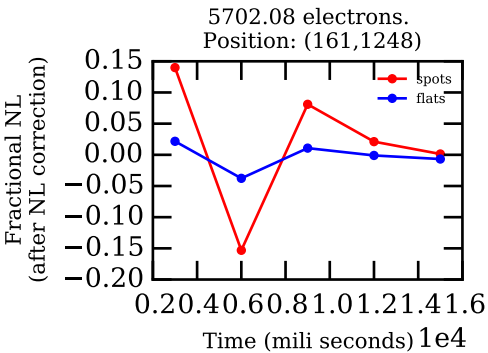

C2 spots
3.35e-05 +/-
1e-10
1.15e-05 +/-
3.04e-12
2.66e-05 +/-
3.35e-11
8.48e-06 +/-
3.13e-13
-1e-06 +/-
4.07e-17
1.16e-05 +/-
1.46e-13
2.05e-05 +/-
4.43e-11
1.23e-05 +/-
4.37e-13
3.61e-05 +/-
2.92e-11
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

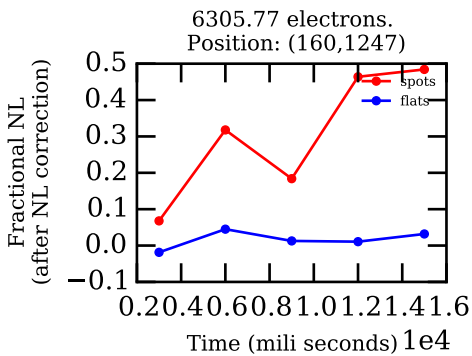

C2 spots after NL correction
-1.18e-05 +/-
2.36e-10
-5.43e-07 +/-
1.31e-12
5.17e-05 +/-
1.2e-09
-1.07e-06 +/-
1.01e-12
-2.15e-09 +/-
1.15e-16
-4.45e-07 +/-
1.94e-13
-2.25e-05 +/-
1.96e-09
-9.46e-07 +/-
4.01e-13
-1.29e-05 +/-
2.06e-10
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

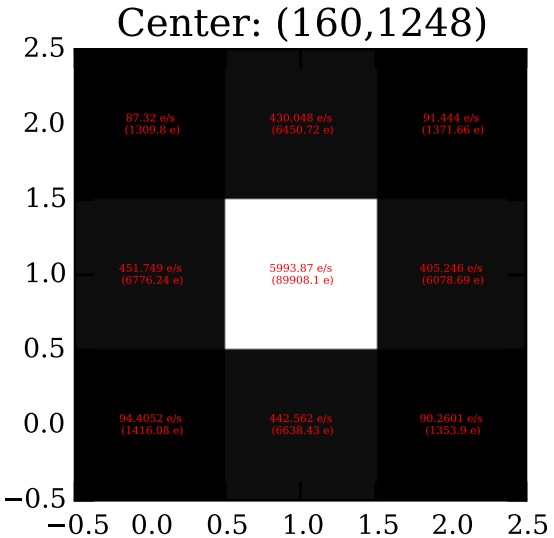

6096.28 electrons.
Position: (160,1249)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

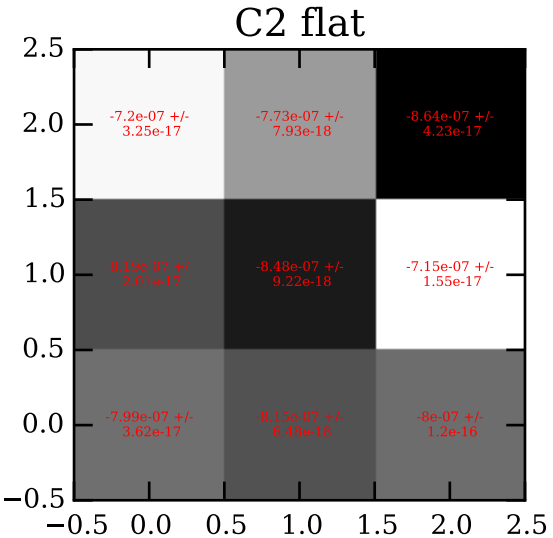

6442.71 electrons.
Position: (159,1248)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

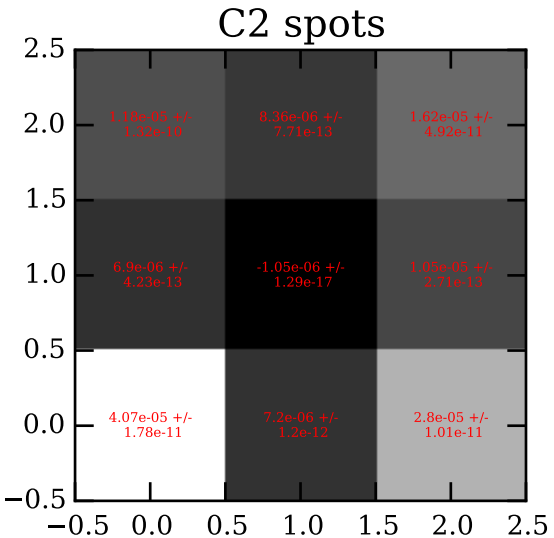

91977.3 electrons.
Position: (160,1248)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

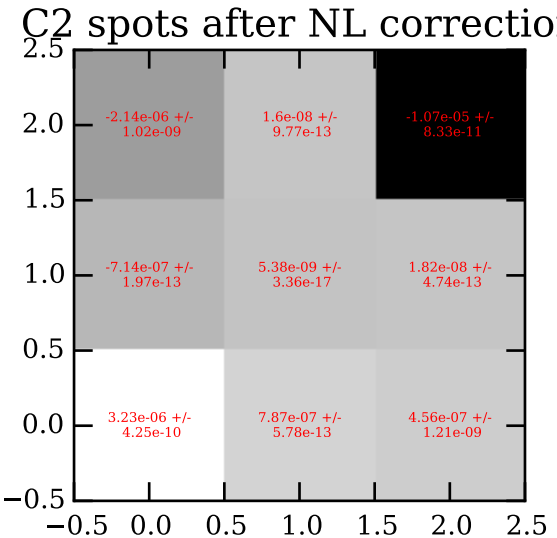

5702.08 electrons.
Position: (161,1248)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

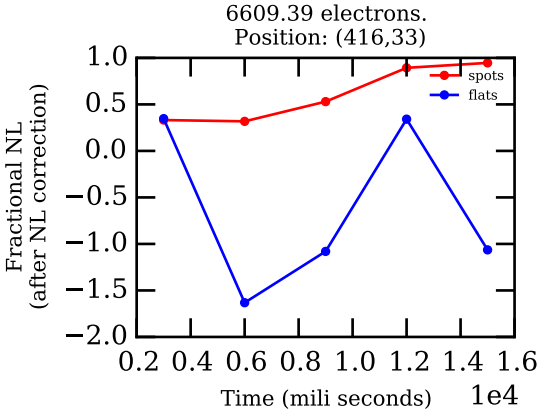

6305.77 electrons.
Position: (160,1247)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

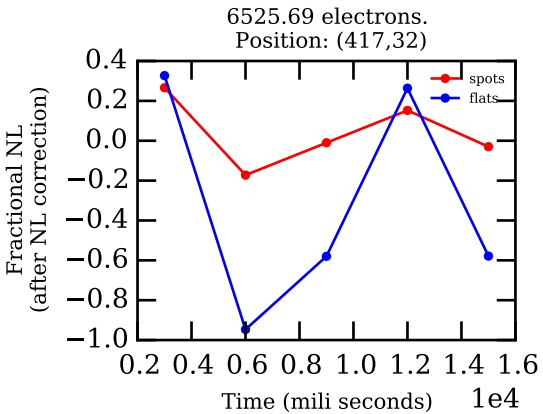

Center: (160,1248)
87.32 e/s
(1309.8 e)
430.048 e/s
(6450.72 e)
91.444 e/s
(1371.66 e)
451.749 e/s
(6776.24 e)
5993.87 e/s
(89908.1 e)
405.246 e/s
(6078.69 e)
94.4052 e/s
(1416.08 e)
442.562 e/s
(6638.43 e)
90.2601 e/s
(1353.9 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

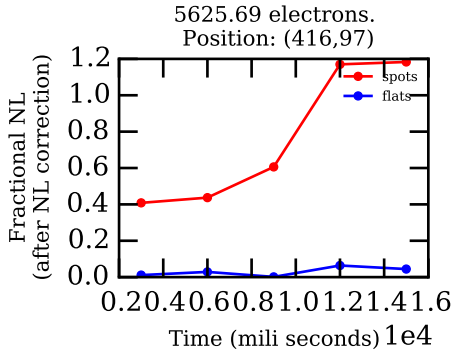

C2 flat
-7.2e-07 +/-
3.25e-17
-7.73e-07 +/-
7.93e-18
-8.64e-07 +/-
4.23e-17
-8.19e-07 +/-
2.01e-17
-8.48e-07 +/-
9.22e-18
-7.15e-07 +/-
1.55e-17
-7.99e-07 +/-
3.62e-17
-8e-07 +/-
1.2e-16
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

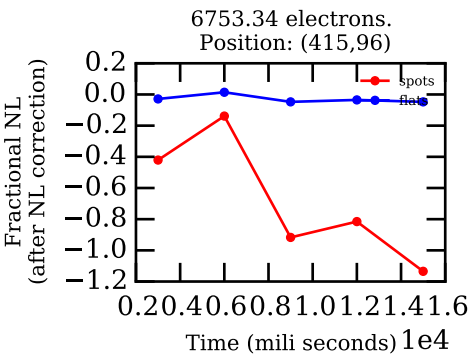

C2 spots
1.18e-05 +/-
1.32e-10
8.36e-06 +/-
7.71e-13
1.62e-05 +/-
4.92e-11
6.9e-06 +/-
4.23e-13
-1.05e-06 +/-
1.29e-17
1.05e-05 +/-
2.71e-13
4.07e-05 +/-
1.78e-11
7.2e-06 +/-
1.2e-12
2.8e-05 +/-
1.01e-11
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

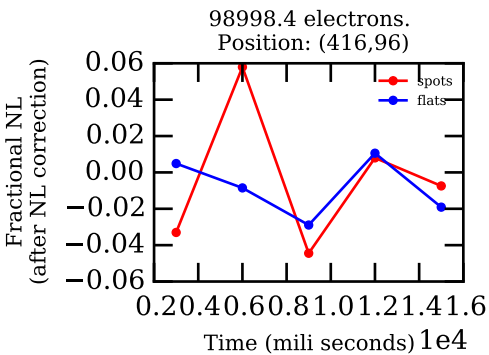

C2 spots after NL correction
-2.14e-06 +/-
1.02e-09
1.6e-08 +/-
9.77e-13
-1.07e-05 +/-
8.33e-11
-7.14e-07 +/-
1.97e-13
5.38e-09 +/-
3.36e-17
1.82e-08 +/-
4.74e-13
3.23e-06 +/-
4.25e-10
7.87e-07 +/-
5.78e-13
4.56e-07 +/-
1.21e-09
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

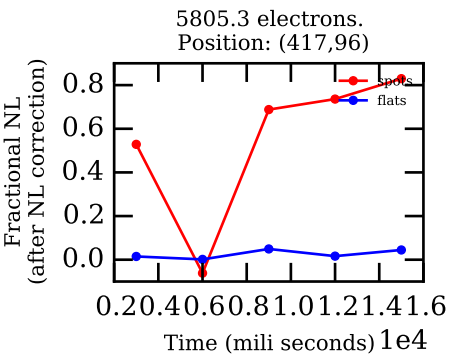

6609.39 electrons.
Position: (416,33)
Fractional NL
(after NL correction)
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4
spots
flats

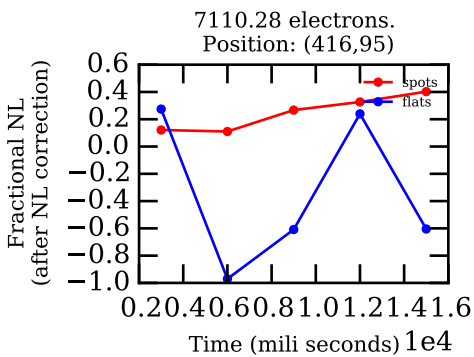

6525.69 electrons.
Position: (417,32)
Fractional NL
(after NL correction)
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6
Time (mili seconds)
1e4
spots
flats

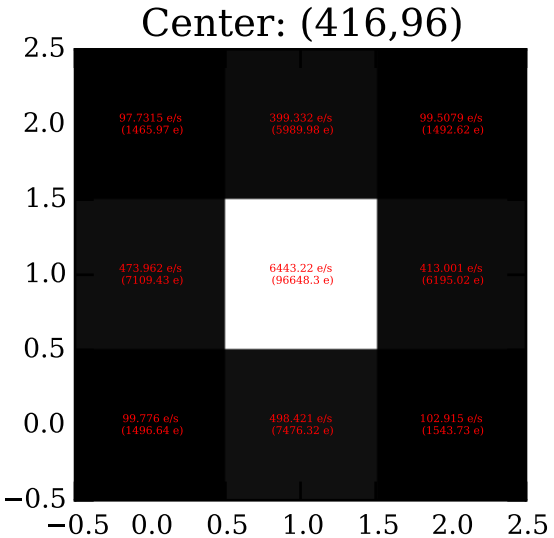

5625.69 electrons.
Position: (416,97)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

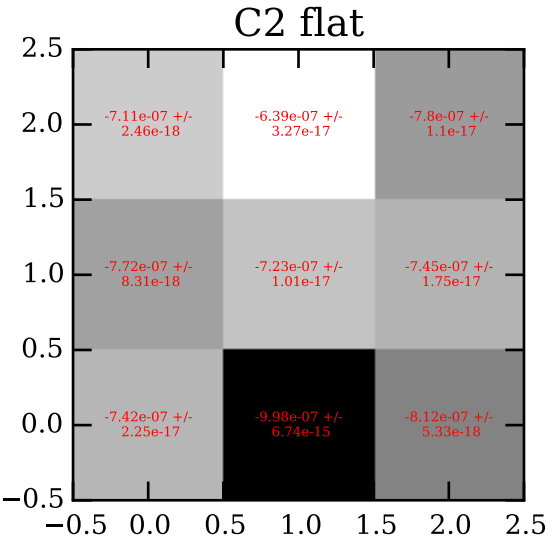

6753.34 electrons.
Position: (415,96)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

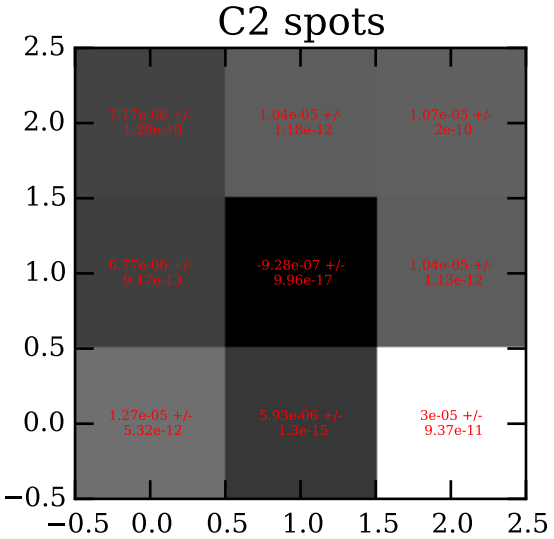

98998.4 electrons.
Position: (416,96)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

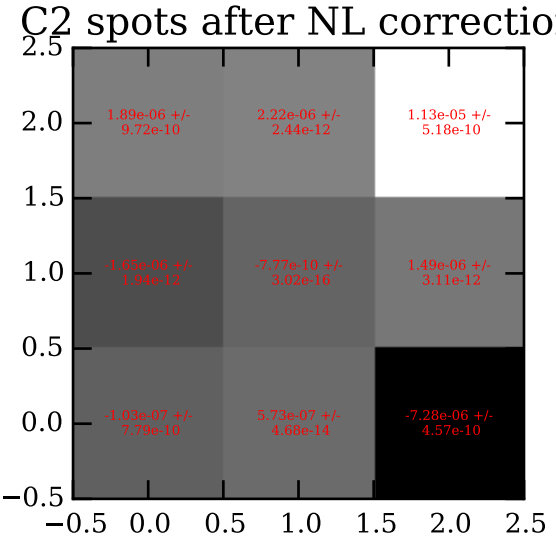

5805.3 electrons.
Position: (417,96)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

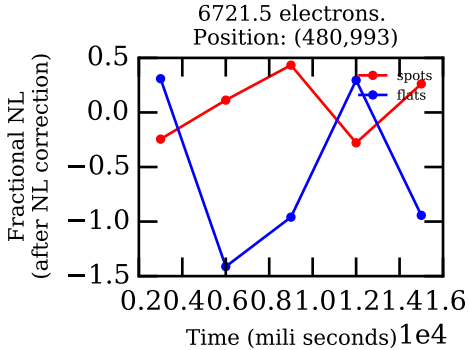

7110.28 electrons.
Position: (416,95)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

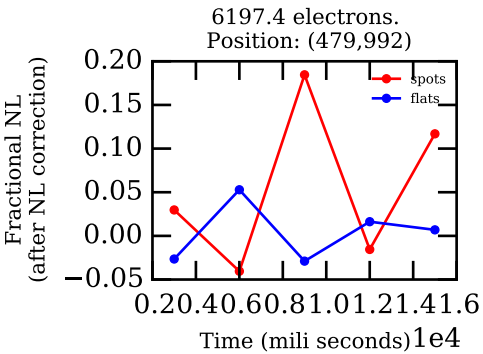

Center: (416,96)
97.7315 e/s
(1465.97 e)
399.332 e/s
(5989.98 e)
99.5079 e/s
(1492.62 e)
473.962 e/s
(7109.43 e)
6443.22 e/s
(96648.3 e)
413.001 e/s
(6195.02 e)
99.776 e/s
(1496.64 e)
498.421 e/s
(7476.32 e)
102.915 e/s
(1543.73 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

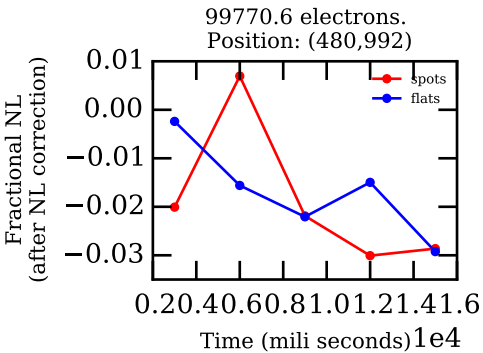

C2 flat
-7.11e-07 +/-
2.46e-18
-6.39e-07 +/-
3.27e-17
-7.8e-07 +/-
1.1e-17
-7.72e-07 +/-
8.31e-18
-7.23e-07 +/-
1.01e-17
-7.45e-07 +/-
1.75e-17
-7.42e-07 +/-
2.25e-17
-9.98e-07 +/-
6.74e-15
-8.12e-07 +/-
5.33e-18
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

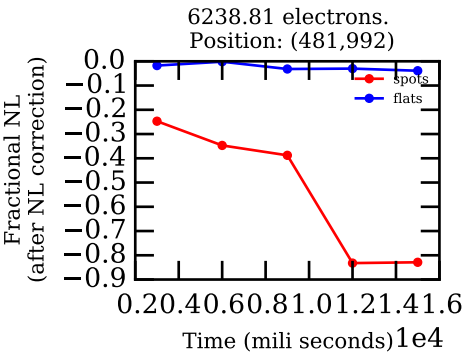

C2 spots
7.17e-06 +/-
1.28e-10
1.04e-05 +/-
1.19e-12
1.07e-05 +/-
2e-10
6.77e-06 +/-
9.17e-13
-9.28e-07 +/-
9.96e-17
1.04e-05 +/-
1.13e-12
1.27e-05 +/-
5.32e-12
5.93e-06 +/-
1.3e-15
3e-05 +/-
9.37e-11
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

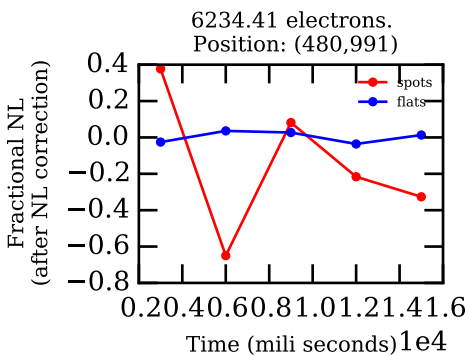

C2 spots after NL correction
1.89e-06 +/-
9.72e-10
2.22e-06 +/-
2.44e-12
1.13e-05 +/-
5.18e-10
-1.65e-06 +/-
1.94e-12
-7.77e-10 +/-
3.02e-16
1.49e-06 +/-
3.11e-12
-1.03e-07 +/-
7.79e-10
5.73e-07 +/-
4.68e-14
-7.28e-06 +/-
4.57e-10
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

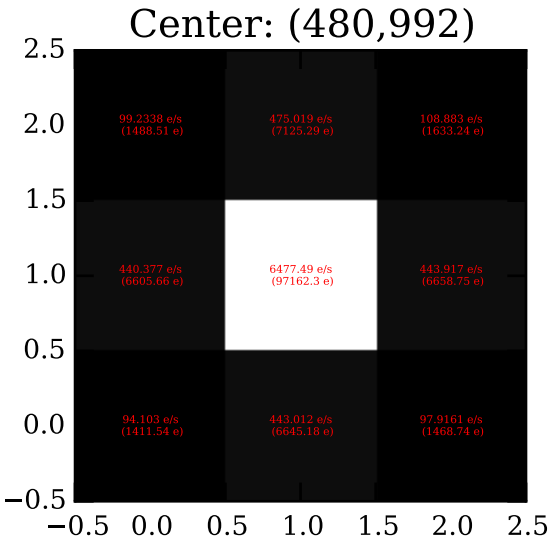

6721.5 electrons.
Position: (480,993)
Fractional NL
(after NL correction)
0.5
0.0
−0.5
−1.0
−1.5
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

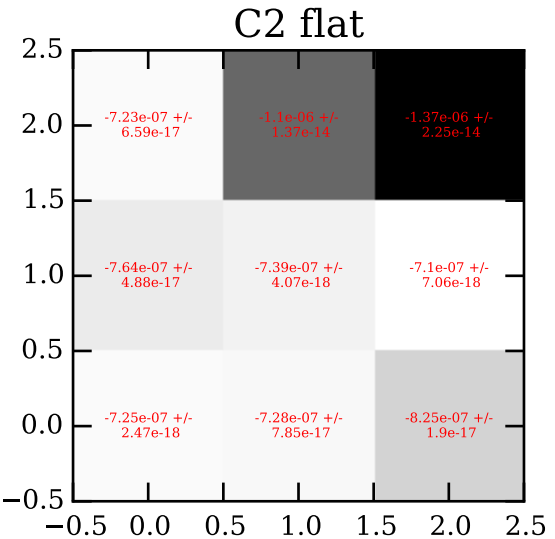

6197.4 electrons.
Position: (479,992)
Fractional NL
(after NL correction)
0.20
0.15
0.10
0.05
0.00
−0.05
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

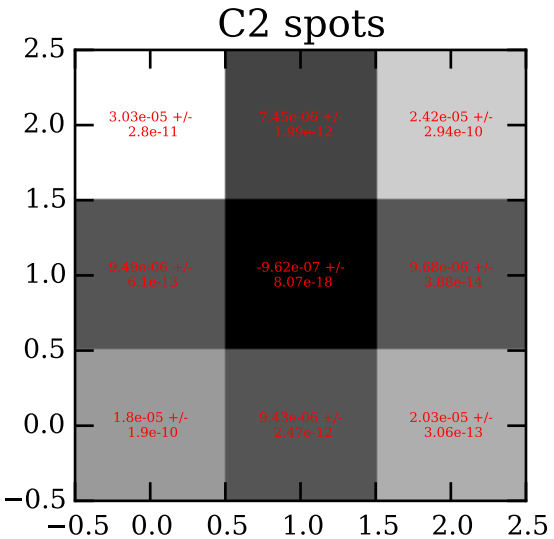

99770.6 electrons.
Position: (480,992)
Fractional NL
(after NL correction)
0.01
0.00
−0.01
−0.02
−0.03
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

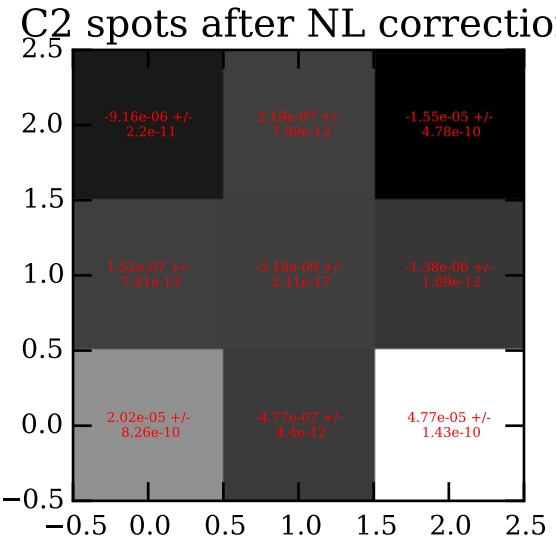

6238.81 electrons.
Position: (481,992)
Fractional NL
(after NL correction)
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

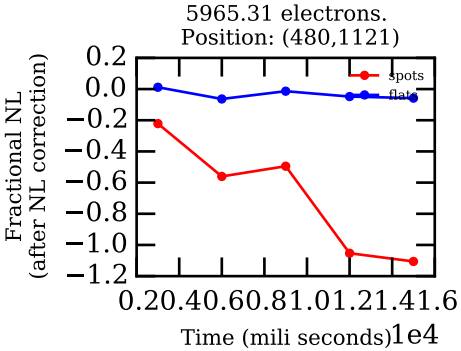

6234.41 electrons.
Position: (480,991)
Fractional NL
(after NL correction)
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

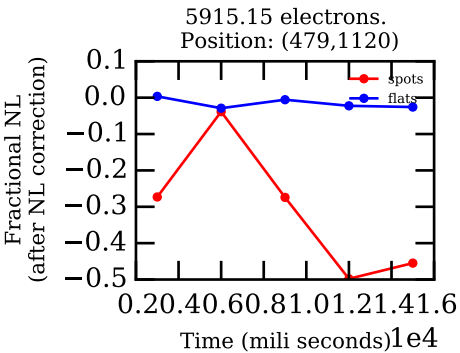

Center: (480,992)
99.2338 e/s
(1488.51 e)
475.019 e/s
(7125.29 e)
108.883 e/s
(1633.24 e)
440.377 e/s
(6605.66 e)
6477.49 e/s
(97162.3 e)
443.917 e/s
(6658.75 e)
94.103 e/s
(1411.54 e)
443.012 e/s
(6645.18 e)
97.9161 e/s
(1468.74 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

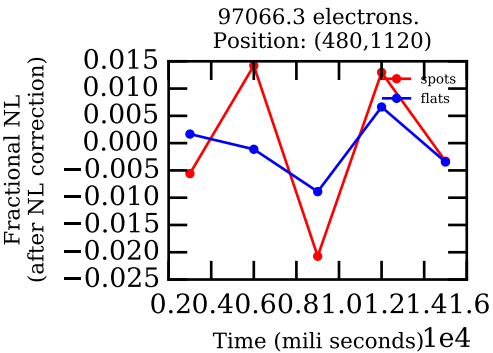

C2 flat
-7.23e-07 +/-
6.59e-17
-1.1e-06 +/-
1.37e-14
-1.37e-06 +/-
2.25e-14
-7.64e-07 +/-
4.88e-17
-7.39e-07 +/-
4.07e-18
-7.1e-07 +/-
7.06e-18
-7.25e-07 +/-
2.47e-18
-7.28e-07 +/-
7.85e-17
-8.25e-07 +/-
1.9e-17
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

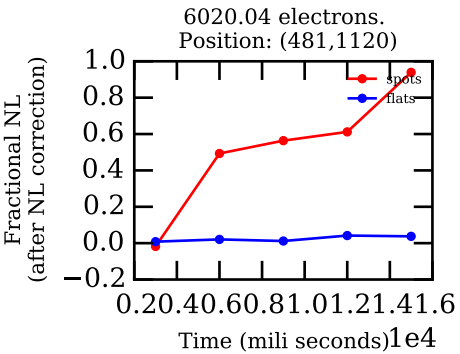

C2 spots
3.03e-05 +/-
2.8e-11
7.45e-06 +/-
1.99e-12
2.42e-05 +/-
2.94e-10
-9.62e-07 +/-
8.07e-18
1.8e-05 +/-
1.9e-10
2.03e-05 +/-
3.06e-13
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

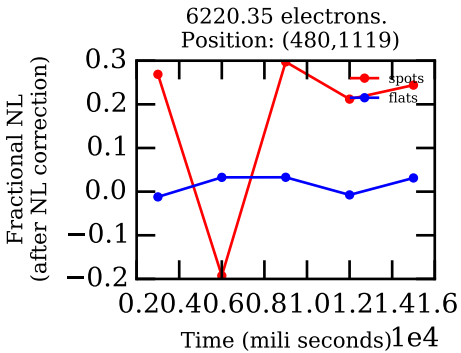

C2 spots after NL correction
-9.16e-06 +/-
2.2e-11
2.19e-07 +/-
7.99e-12
-1.55e-05 +/-
4.78e-10
1.52e-07 +/-
7.41e-13
-3.18e-09 +/-
2.11e-17
-1.38e-06 +/-
1.09e-12
2.02e-05 +/-
8.26e-10
-4.77e-07 +/-
4.4e-12
4.77e-05 +/-
1.43e-10
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

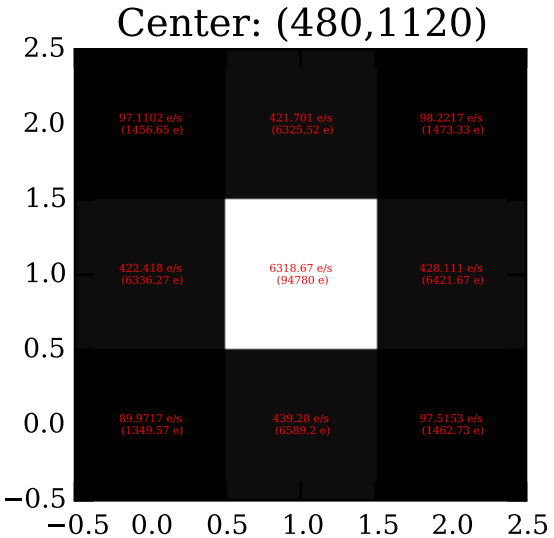

5965.31 electrons.
Position: (480,1121)
Fractional NL
(after NL correction)
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−1.2
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

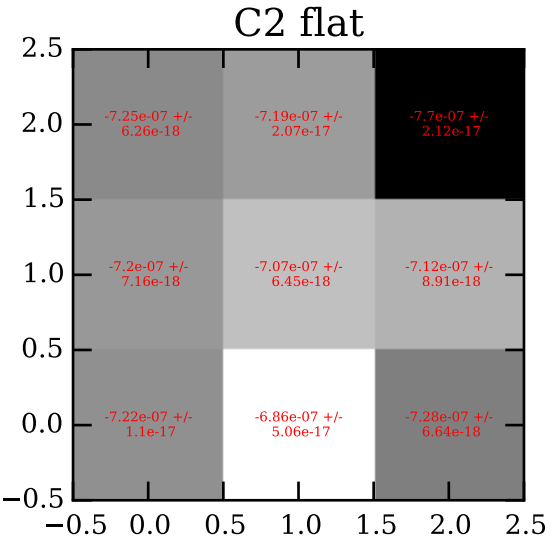

5915.15 electrons.
Position: (479,1120)
Fractional NL
(after NL correction)
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

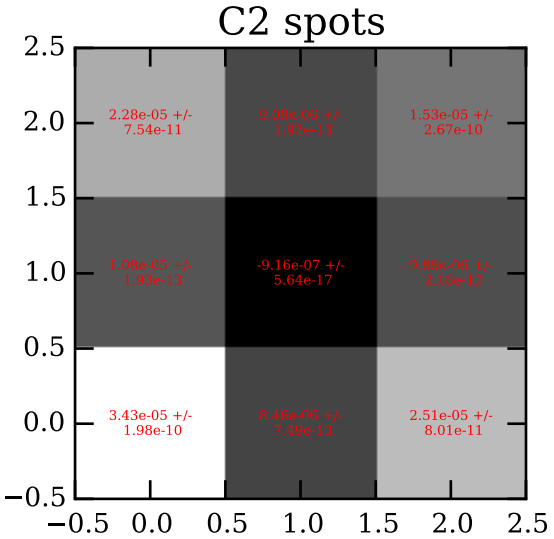

97066.3 electrons.
Position: (480,1120)
Fractional NL
(after NL correction)
0.015
0.010
0.005
0.000
−0.005
−0.010
−0.015
−0.020
−0.025
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

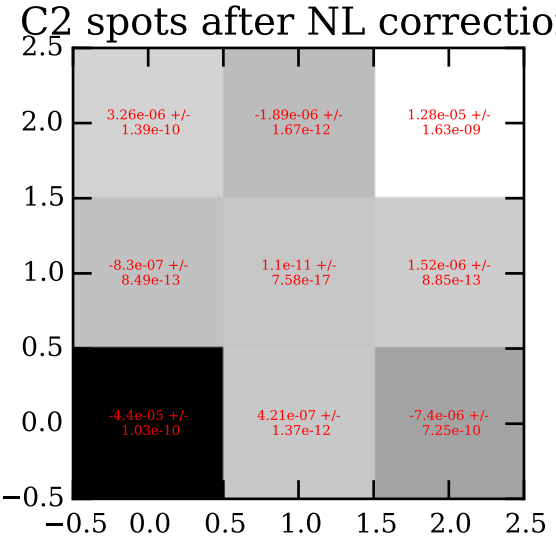

6020.04 electrons.
Position: (481,1120)
Fractional NL
(after NL correction)
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

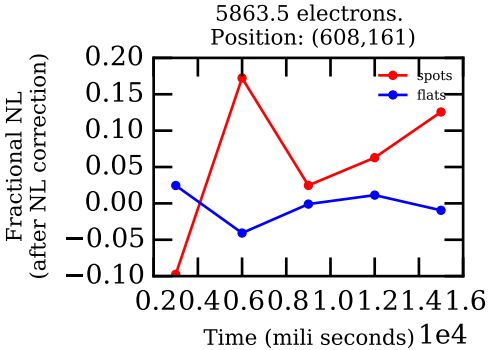

6220.35 electrons.
Position: (480,1119)
Fractional NL
(after NL correction)
0.3
0.2
0.1
0.0
−0.1
−0.2
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

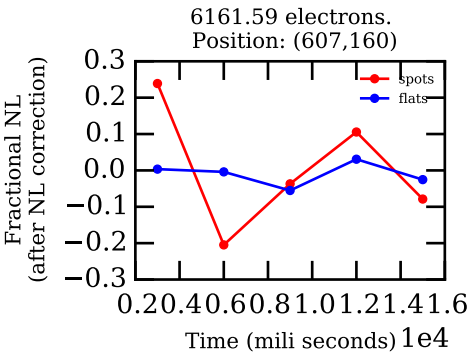

Center: (480,1120)
97.1102 e/s
(1456.65 e)
421.701 e/s
(6325.52 e)
98.2217 e/s
(1473.33 e)
422.418 e/s
(6336.27 e)
6318.67 e/s
(94780 e)
428.111 e/s
(6421.67 e)
89.9717 e/s
(1349.57 e)
439.28 e/s
(6589.2 e)
97.5153 e/s
(1462.73 e)

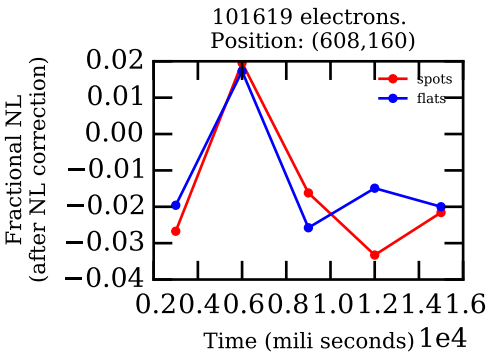

C2 flat
-7.25e-07 +/-
6.26e-18
-7.19e-07 +/-
2.07e-17
-7.7e-07 +/-
2.12e-17
-7.2e-07 +/-
7.16e-18
-7.07e-07 +/-
6.45e-18
-7.12e-07 +/-
8.91e-18
-7.22e-07 +/-
1.1e-17
-6.86e-07 +/-
5.06e-17
-7.28e-07 +/-
6.64e-18

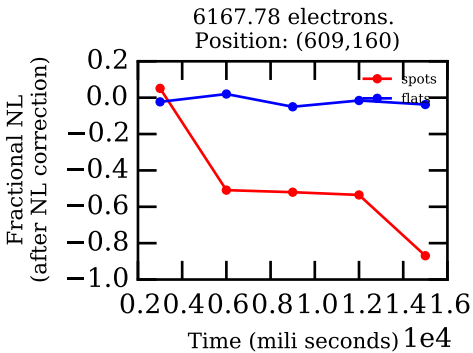

C2 spots
2.28e-05 +/-
7.54e-11
9.08e-06 +/-
1.92e-13
1.53e-05 +/-
2.67e-10
1.08e-05 +/-
1.93e-13
-9.16e-07 +/-
5.64e-17
9.89e-06 +/-
2.18e-12
3.43e-05 +/-
1.98e-10
8.46e-06 +/-
7.49e-13
2.51e-05 +/-
8.01e-11

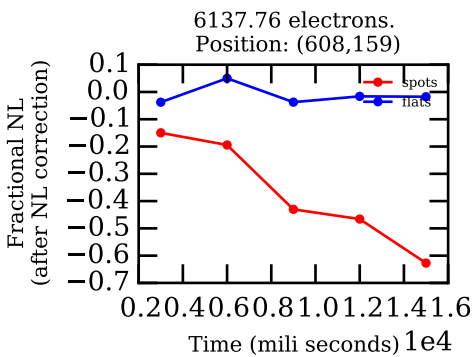

C2 spots after NL correction
3.26e-06 +/-
1.39e-10
-1.89e-06 +/-
1.67e-12
1.28e-05 +/-
1.63e-09
-8.3e-07 +/-
8.49e-13
1.1e-11 +/-
7.58e-17
1.52e-06 +/-
8.85e-13
-4.4e-05 +/-
1.03e-10
4.21e-07 +/-
1.37e-12
-7.4e-06 +/-
7.25e-10

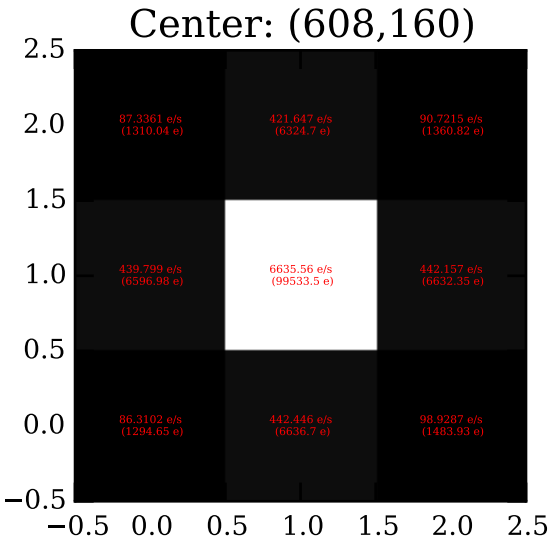

5863.5 electrons.
Position: (608,161)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

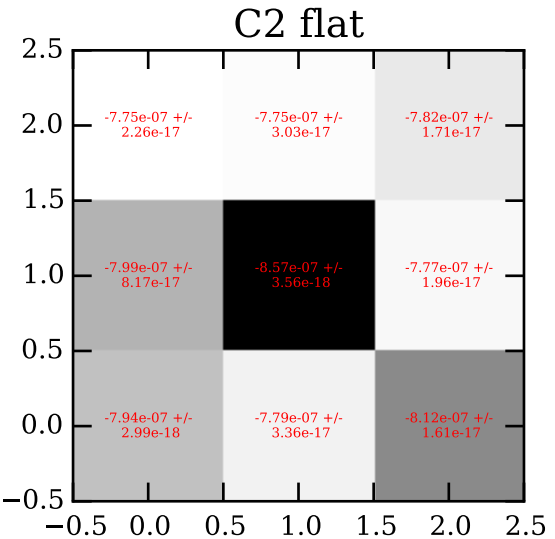

6161.59 electrons.
Position: (607,160)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

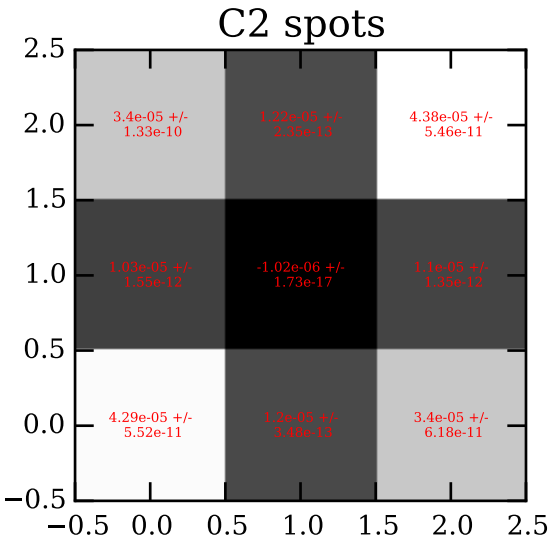

101619 electrons.
Position: (608,160)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

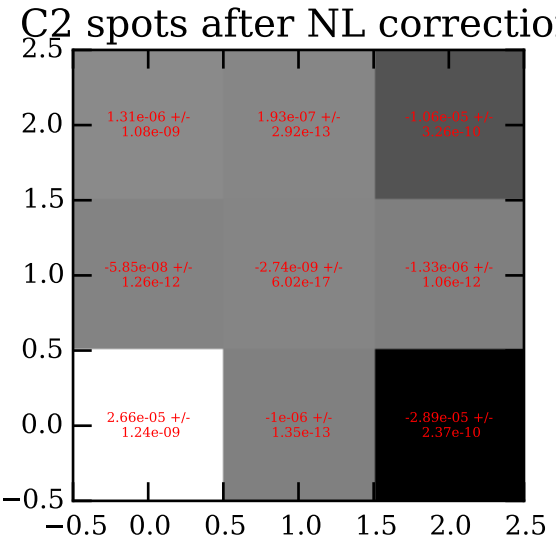

6167.78 electrons.
Position: (609,160)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

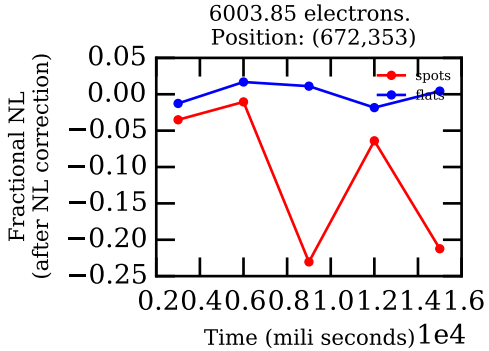

6137.76 electrons.
Position: (608,159)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

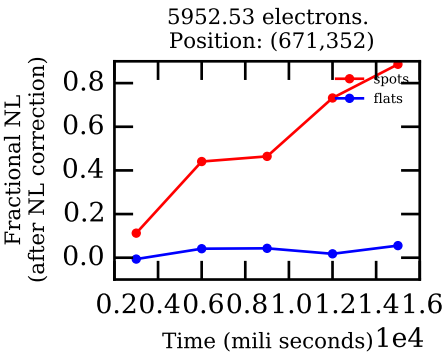

Center: (608,160)
87.3361 e/s
(1310.04 e)
421.647 e/s
(6324.7 e)
90.7215 e/s
(1360.82 e)
439.799 e/s
(6596.98 e)
6635.56 e/s
(99533.5 e)
442.157 e/s
(6632.35 e)
86.3102 e/s
(1294.65 e)
442.446 e/s
(6636.7 e)
98.9287 e/s
(1483.93 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

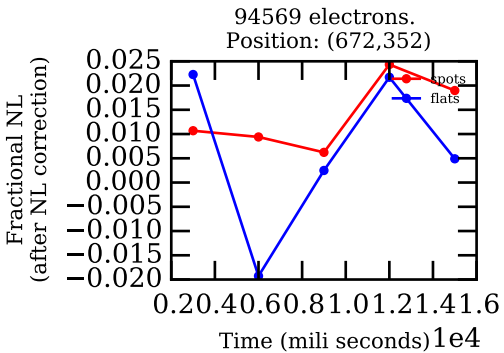

C2 flat
-7.75e-07 +/-
2.26e-17
-7.75e-07 +/-
3.03e-17
-7.82e-07 +/-
1.71e-17
-7.99e-07 +/-
8.17e-17
-8.57e-07 +/-
3.56e-18
-7.77e-07 +/-
1.96e-17
-7.94e-07 +/-
2.99e-18
-7.79e-07 +/-
3.36e-17
-8.12e-07 +/-
1.61e-17
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

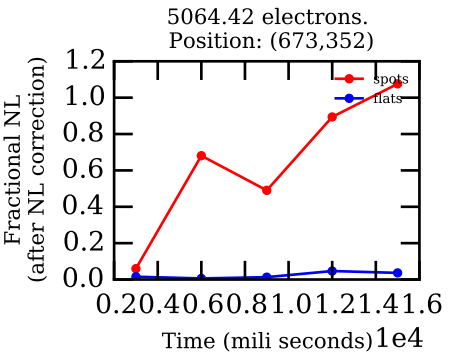

C2 spots
3.4e-05 +/-
1.33e-10
1.22e-05 +/-
2.35e-13
4.38e-05 +/-
5.46e-11
1.03e-05 +/-
1.55e-12
-1.02e-06 +/-
1.73e-17
1.1e-05 +/-
1.35e-12
4.29e-05 +/-
5.52e-11
1.2e-05 +/-
3.48e-13
3.4e-05 +/-
6.18e-11
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

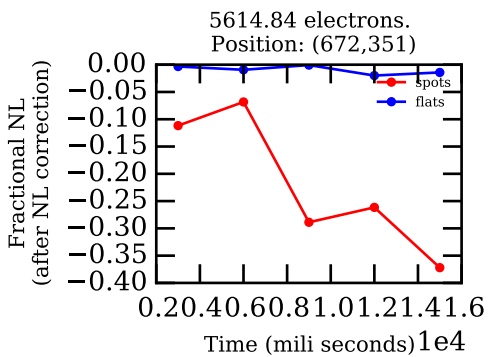

C2 spots after NL correction
1.31e-06 +/-
1.08e-09
1.93e-07 +/-
2.92e-13
-1.06e-05 +/-
2.66e-10
-5.85e-08 +/-
1.26e-12
-2.74e-09 +/-
6.02e-17
-1.33e-06 +/-
1.06e-12
2.66e-05 +/-
1.24e-09
-1e-06 +/-
1.35e-13
-2.89e-05 +/-
2.37e-10
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

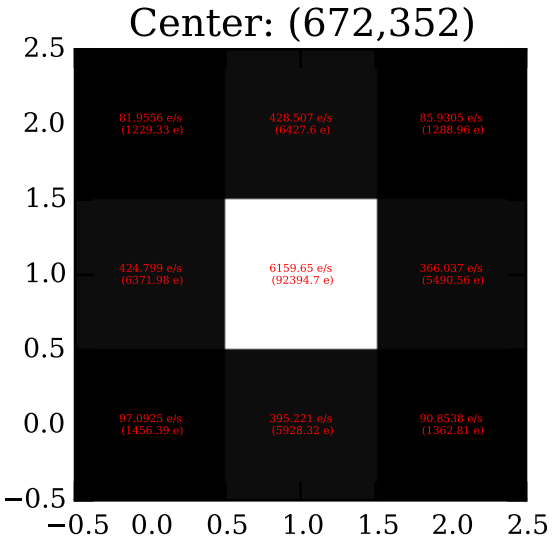

6003.85 electrons.
Position: (672,353)
Fractional NL
(after NL correction)
0.05
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

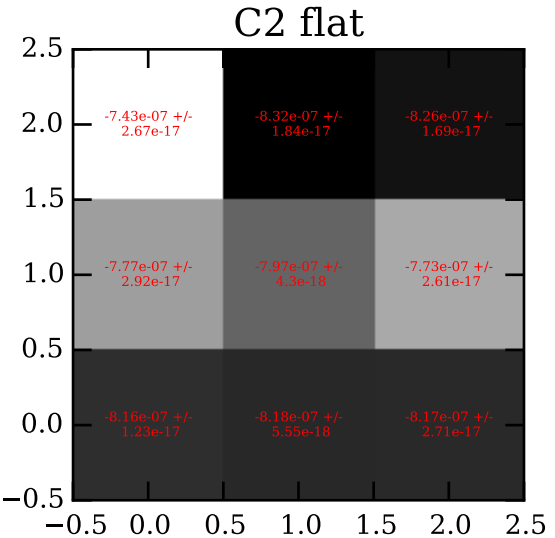

5952.53 electrons.
Position: (671,352)
Fractional NL
(after NL correction)
0.8
0.6
0.4
0.2
0.0
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

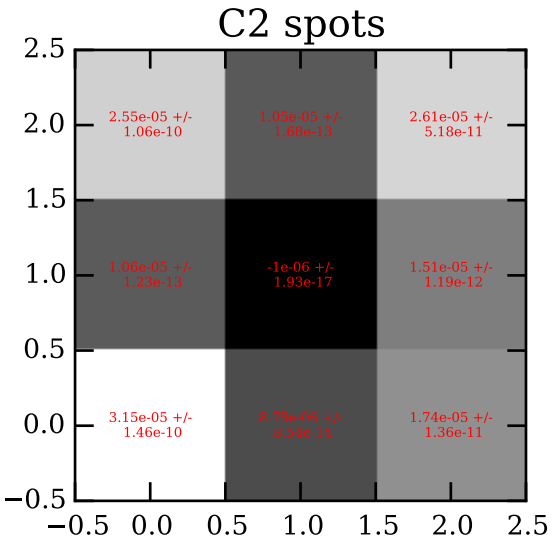

94569 electrons.
Position: (672,352)
Fractional NL
(after NL correction)
0.025
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
−0.015
−0.020
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

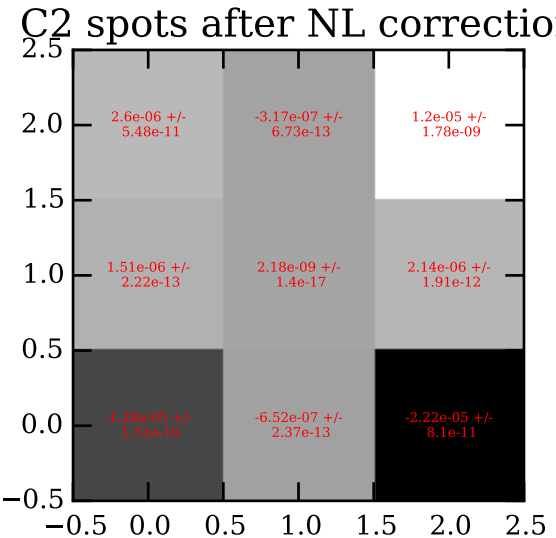

5064.42 electrons.
Position: (673,352)
Fractional NL
(after NL correction)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

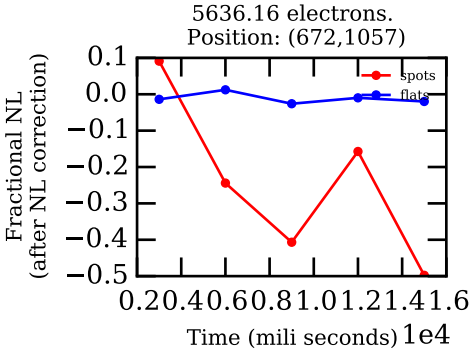

5614.84 electrons.
Position: (672,351)
Fractional NL
(after NL correction)
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
−0.30
−0.35
−0.40
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

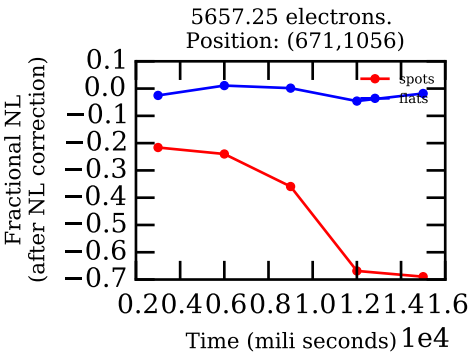

Center: (672,352)
81.9556 e/s
(1229.33 e)
428.507 e/s
(6427.6 e)
85.9305 e/s
(1288.96 e)
424.799 e/s
(6371.98 e)
6159.65 e/s
(92394.7 e)
366.037 e/s
(5490.56 e)
97.0925 e/s
(1456.39 e)
395.221 e/s
(5928.32 e)
90.8538 e/s
(1362.81 e)

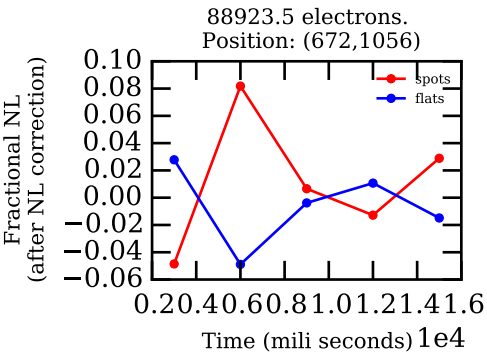

C2 flat
-7.43e-07 +/-
2.67e-17
-8.32e-07 +/-
1.84e-17
-8.26e-07 +/-
1.69e-17
-7.77e-07 +/-
2.92e-17
-7.97e-07 +/-
4.3e-18
-7.73e-07 +/-
2.61e-17
-8.16e-07 +/-
1.23e-17
-8.18e-07 +/-
5.55e-18
-8.17e-07 +/-
2.71e-17

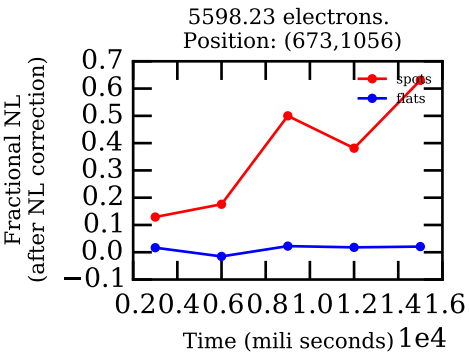

C2 spots
2.55e-05 +/-
1.06e-10
2.61e-05 +/-
5.18e-11
-1e-06 +/-
1.93e-17
1.51e-05 +/-
1.19e-12
3.15e-05 +/-
1.46e-10
1.74e-05 +/-
1.36e-11

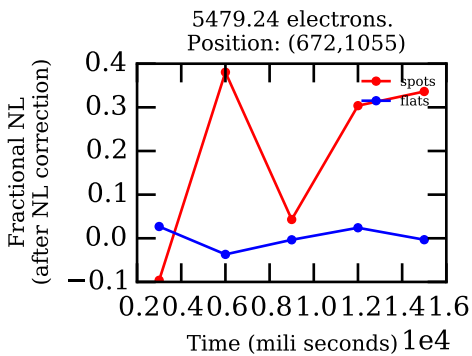

C2 spots after NL correction
2.6e-06 +/-
5.48e-11
-3.17e-07 +/-
6.73e-13
1.2e-05 +/-
1.78e-09
1.51e-06 +/-
2.22e-13
2.18e-09 +/-
1.4e-17
2.14e-06 +/-
1.91e-12
-1.28e-05 +/-
1.51e-10
-6.52e-07 +/-
2.37e-13
-2.22e-05 +/-
8.1e-11

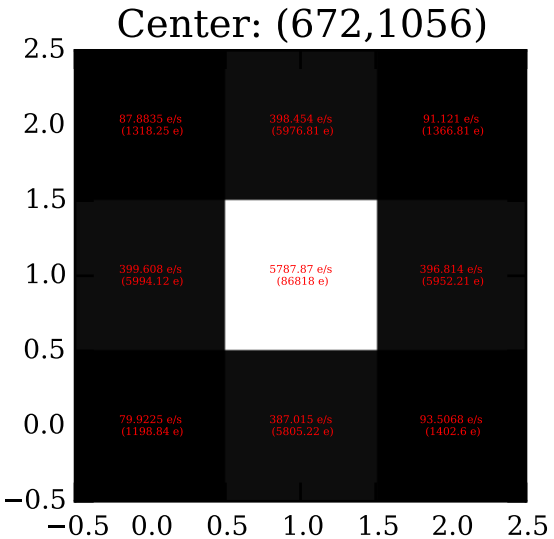

5636.16 electrons.
Position: (672,1057)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

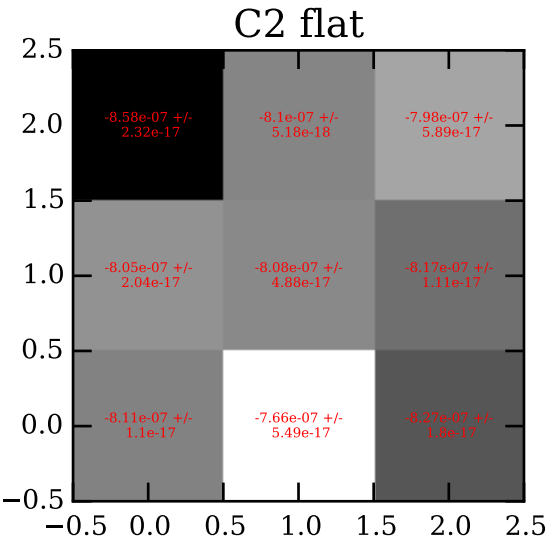

5657.25 electrons.
Position: (671,1056)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

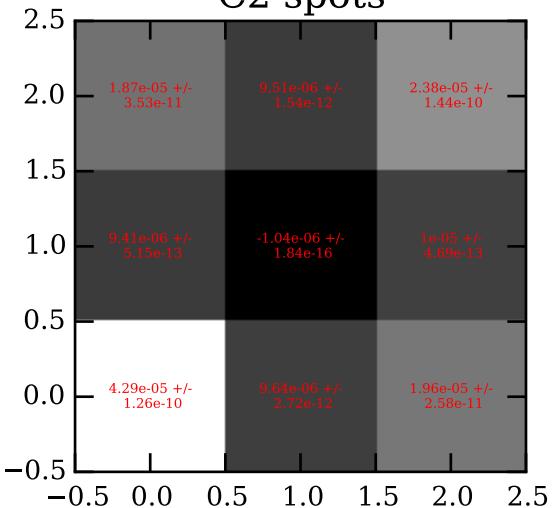

88923.5 electrons.
Position: (672,1056)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

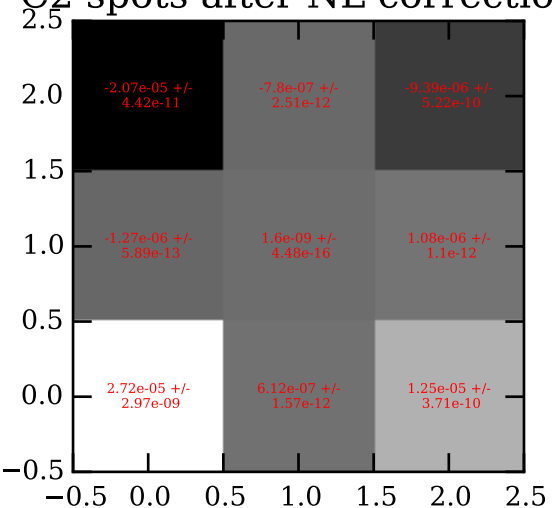

5598.23 electrons.
Position: (673,1056)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

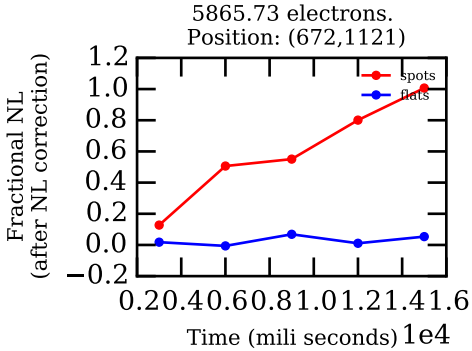

5479.24 electrons.
Position: (672,1055)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

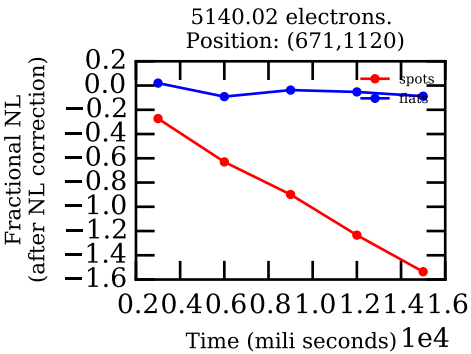

Center: (672,1056)
87.8835 e/s
(1318.25 e)
398.454 e/s
(5976.81 e)
91.121 e/s
(1366.81 e)
399.608 e/s
(5994.12 e)
5787.87 e/s
(86818 e)
396.814 e/s
(5952.21 e)
79.9225 e/s
(1198.84 e)
387.015 e/s
(5805.22 e)
93.5068 e/s
(1402.6 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

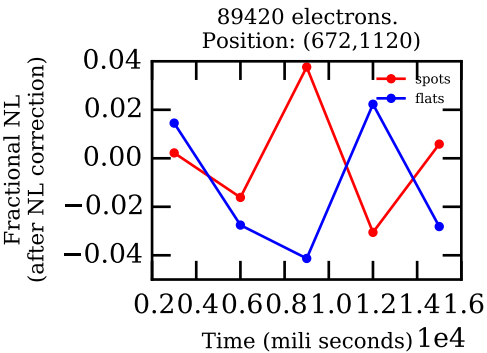

C2 flat
-8.58e-07 +/-
2.32e-17
-8.1e-07 +/-
5.18e-18
-7.98e-07 +/-
5.89e-17
-8.05e-07 +/-
2.04e-17
-8.08e-07 +/-
4.88e-17
-8.17e-07 +/-
1.11e-17
-8.11e-07 +/-
1.1e-17
-7.66e-07 +/-
5.49e-17
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

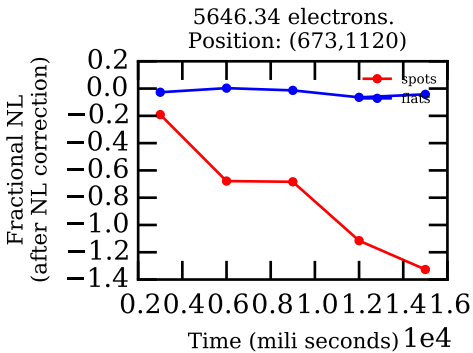

C2 spots
1.87e-05 +/-
3.53e-11
9.51e-06 +/-
1.54e-12
2.38e-05 +/-
1.44e-10
9.41e-06 +/-
5.15e-13
-1.04e-06 +/-
1.84e-16
1e-05 +/-
4.69e-13
4.29e-05 +/-
1.26e-10
9.64e-06 +/-
2.72e-12
1.96e-05 +/-
2.58e-11
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

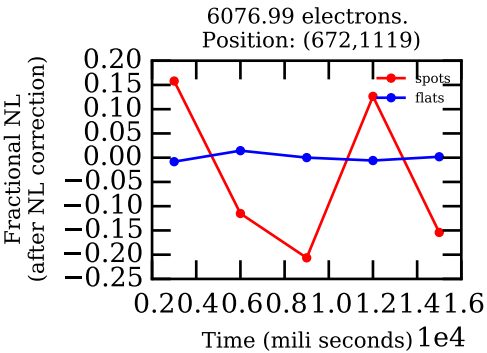

C2 spots after NL correction
-2.07e-05 +/-
4.42e-11
-7.8e-07 +/-
2.51e-12
-9.39e-06 +/-
5.22e-10
-1.27e-06 +/-
5.89e-13
1.6e-09 +/-
4.48e-16
1.08e-06 +/-
1.1e-12
2.72e-05 +/-
2.97e-09
6.12e-07 +/-
1.57e-12
1.25e-05 +/-
3.71e-10
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

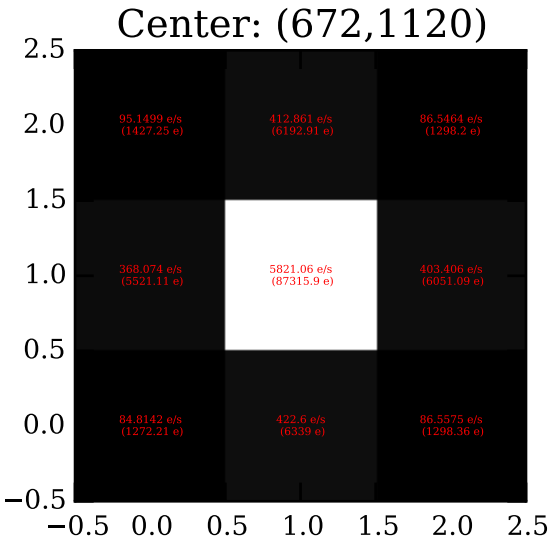

5865.73 electrons.
Position: (672,1121)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

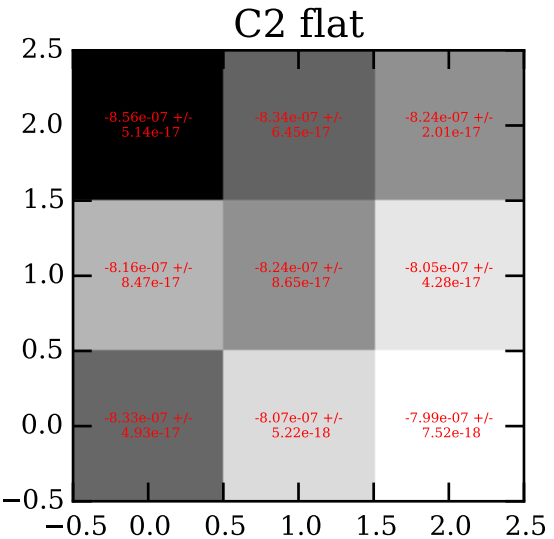

5140.02 electrons.
Position: (671,1120)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

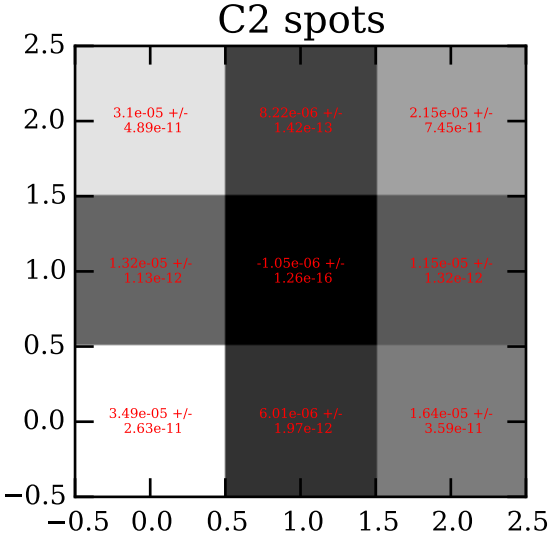

89420 electrons.
Position: (672,1120)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

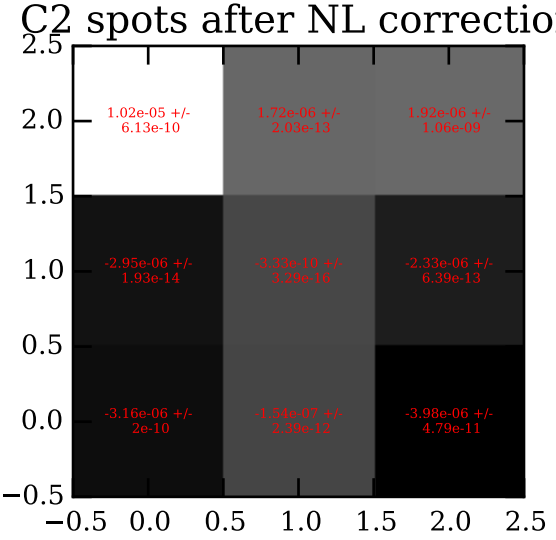

5646.34 electrons.
Position: (673,1120)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

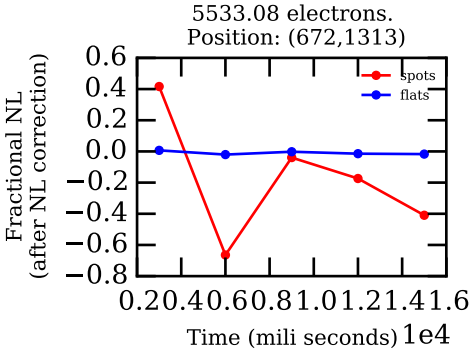

6076.99 electrons.
Position: (672,1119)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

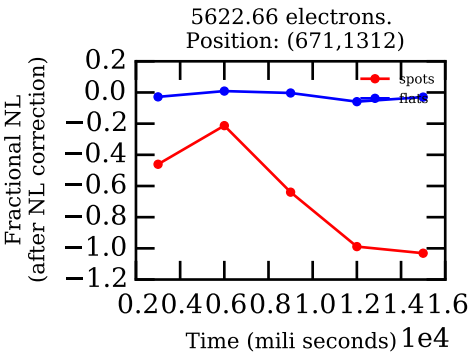

Center: (672,1120)
95.1499 e/s
(1427.25 e)
412.861 e/s
(6192.91 e)
86.5464 e/s
(1298.2 e)
368.074 e/s
(5521.11 e)
5821.06 e/s
(87315.9 e)
403.406 e/s
(6051.09 e)
84.8142 e/s
(1272.21 e)
422.6 e/s
(6339 e)
86.5575 e/s
(1298.36 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

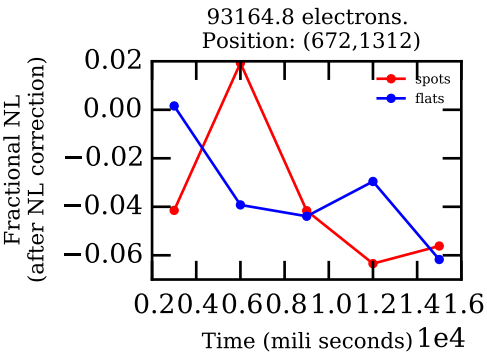

C2 flat
-8.56e-07 +/-
5.14e-17
-8.34e-07 +/-
6.45e-17
-8.24e-07 +/-
2.01e-17
-8.16e-07 +/-
8.47e-17
-8.24e-07 +/-
8.65e-17
-8.05e-07 +/-
4.28e-17
-8.33e-07 +/-
4.93e-17
-8.07e-07 +/-
5.22e-18
-7.99e-07 +/-
7.52e-18
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

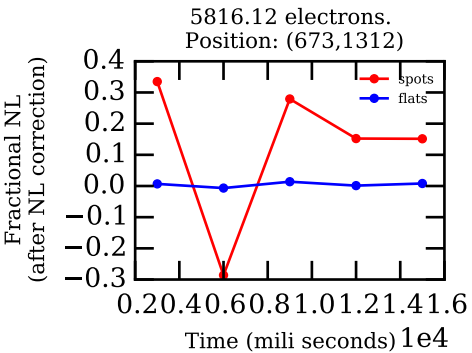

C2 spots
3.1e-05 +/-
4.89e-11
8.22e-06 +/-
1.42e-13
2.15e-05 +/-
7.45e-11
1.32e-05 +/-
1.13e-12
-1.05e-06 +/-
1.26e-16
1.15e-05 +/-
1.52e-12
3.49e-05 +/-
2.63e-11
6.01e-06 +/-
1.97e-12
1.64e-05 +/-
3.59e-11
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

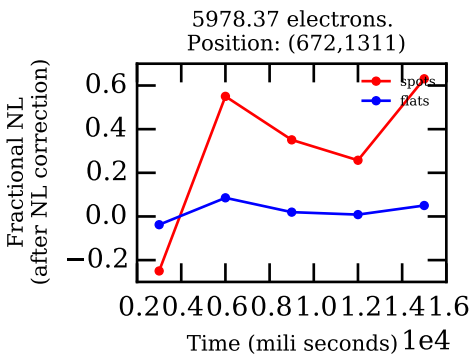

C2 spots after NL correction
1.02e-05 +/-
6.13e-10
1.72e-06 +/-
2.03e-13
1.92e-06 +/-
1.06e-09
-2.95e-06 +/-
1.93e-14
-3.33e-10 +/-
3.29e-16
-2.33e-06 +/-
6.39e-13
-3.16e-06 +/-
2e-10
-1.54e-07 +/-
2.39e-12
-3.98e-06 +/-
4.79e-11
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

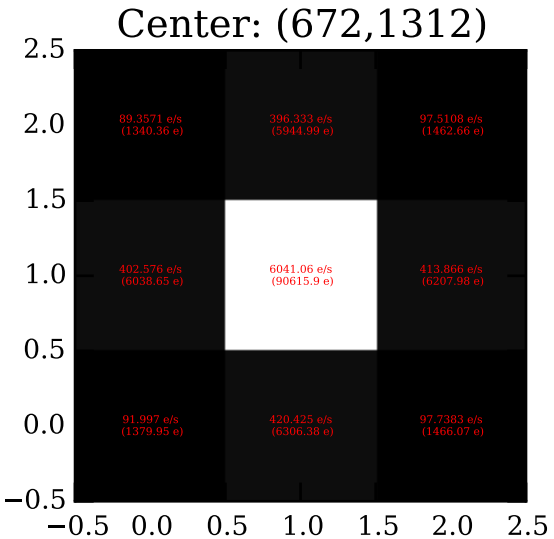

5533.08 electrons.
Position: (672,1313)
Fractional NL
(after NL correction)
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

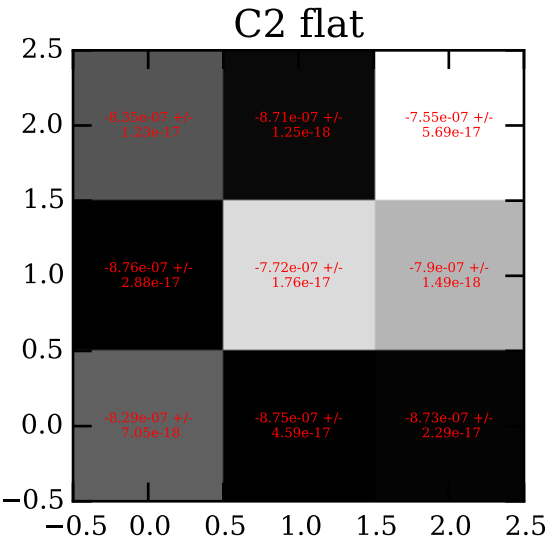

5622.66 electrons.
Position: (671,1312)
Fractional NL
(after NL correction)
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−1.2
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

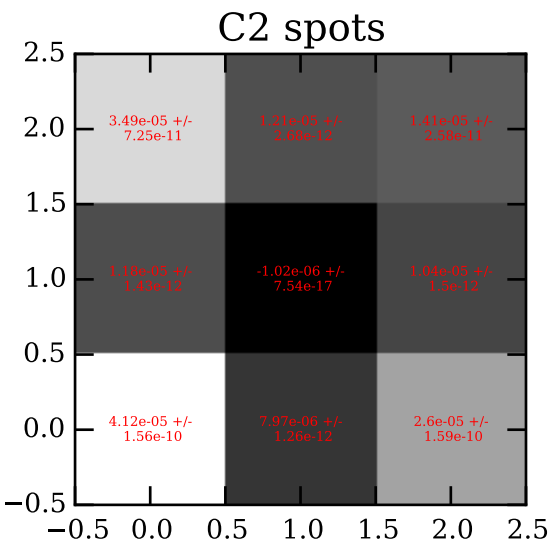

93164.8 electrons.
Position: (672,1312)
Fractional NL
(after NL correction)
0.02
0.00
−0.02
−0.04
−0.06
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

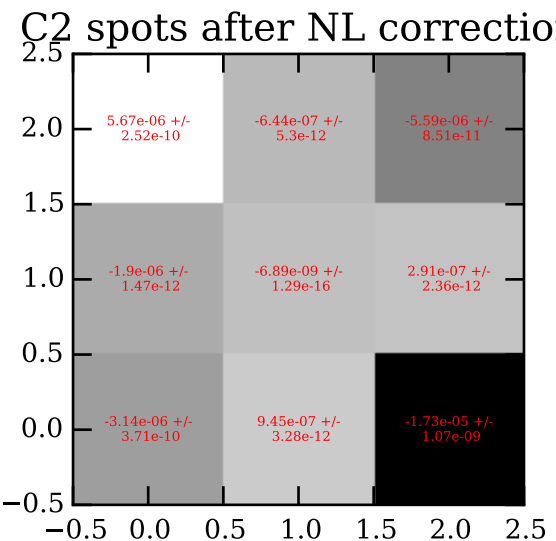

5816.12 electrons.
Position: (673,1312)
Fractional NL
(after NL correction)
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

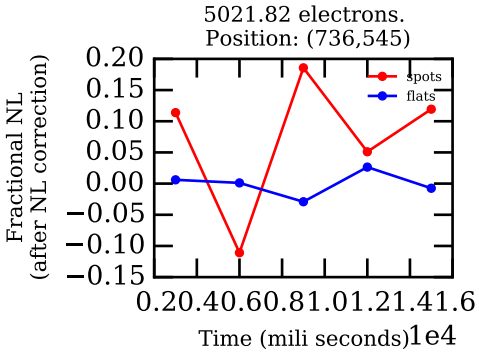

5978.37 electrons.
Position: (672,1311)
Fractional NL
(after NL correction)
0.6
0.4
0.2
0.0
−0.2
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds) 1e4

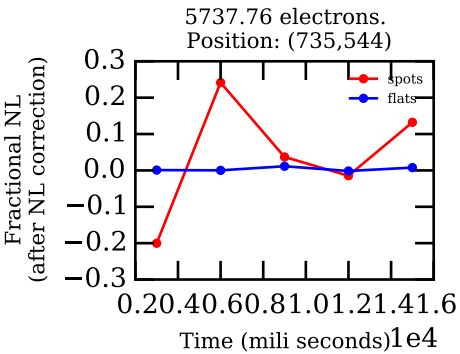

Center: (672,1312)
89.3571 e/s
(1340.36 e)
396.333 e/s
(5944.99 e)
97.5108 e/s
(1462.66 e)
402.576 e/s
(6038.65 e)
6041.06 e/s
(90615.9 e)
413.866 e/s
(6207.98 e)
91.997 e/s
(1379.95 e)
420.425 e/s
(6306.38 e)
97.7383 e/s
(1466.07 e)

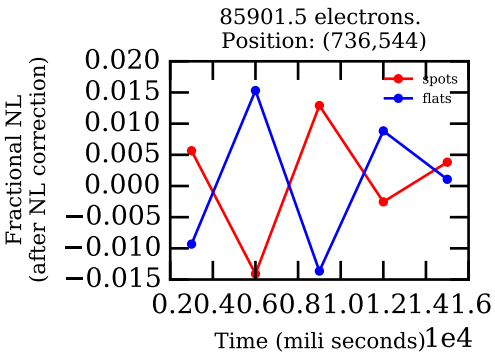

C2 flat
-8.35e-07 +/-
1.23e-17
-8.71e-07 +/-
1.25e-18
-7.55e-07 +/-
5.69e-17
-8.76e-07 +/-
2.88e-17
-7.72e-07 +/-
1.76e-17
-7.9e-07 +/-
1.49e-18
-8.29e-07 +/-
7.05e-18
-8.75e-07 +/-
4.59e-17
-8.73e-07 +/-
2.29e-17

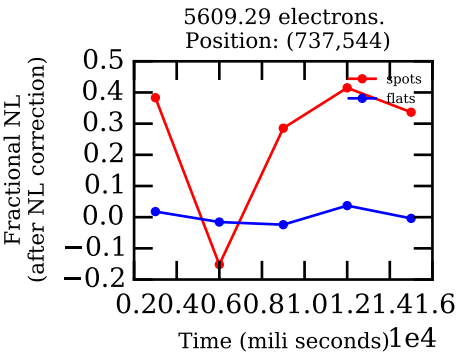

C2 spots
3.49e-05 +/-
7.25e-11
1.21e-05 +/-
2.69e-12
1.41e-05 +/-
2.58e-11
1.18e-05 +/-
1.43e-12
-1.02e-06 +/-
7.54e-17
1.04e-05 +/-
1.5e-12
4.12e-05 +/-
1.56e-10
7.97e-06 +/-
1.26e-12
2.6e-05 +/-
1.59e-10

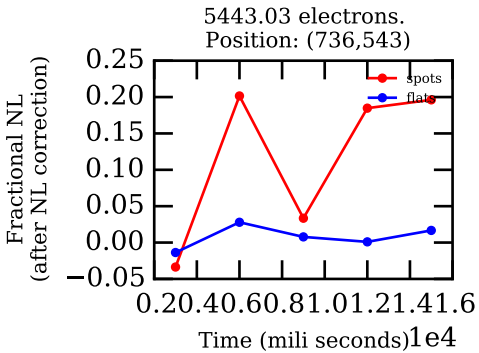

C2 spots after NL correction
5.67e-06 +/-
2.52e-10
-6.44e-07 +/-
5.3e-12
-5.59e-06 +/-
8.51e-11
-1.9e-06 +/-
1.47e-12
-6.89e-09 +/-
1.29e-16
2.91e-07 +/-
2.36e-12
-3.14e-06 +/-
3.71e-10
9.45e-07 +/-
3.28e-12
-1.73e-05 +/-
1.07e-09

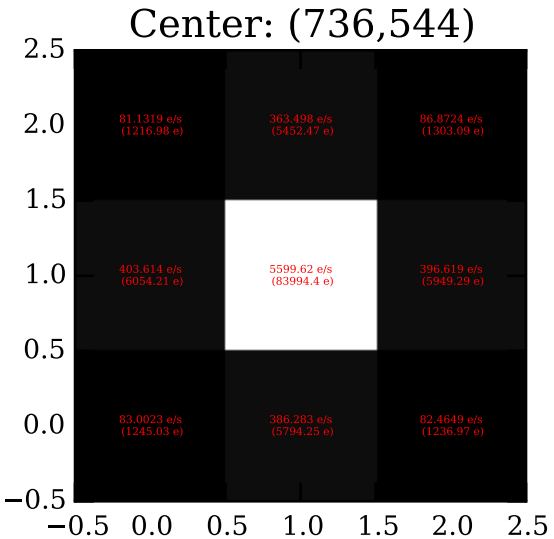

5021.82 electrons.
Position: (736,545)
Fractional NL
(after NL correction)
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

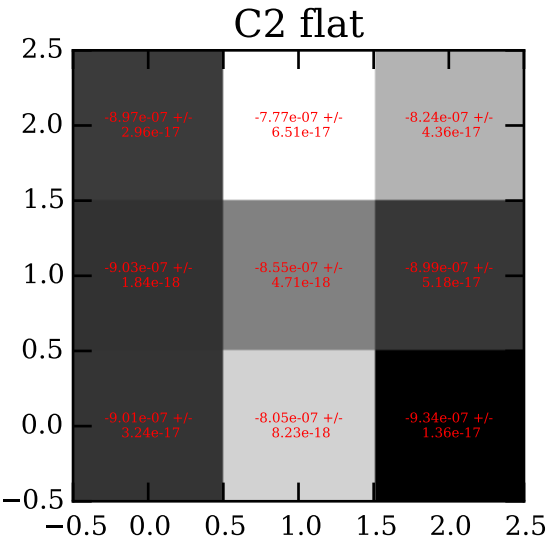

5737.76 electrons.
Position: (735,544)
Fractional NL
(after NL correction)
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

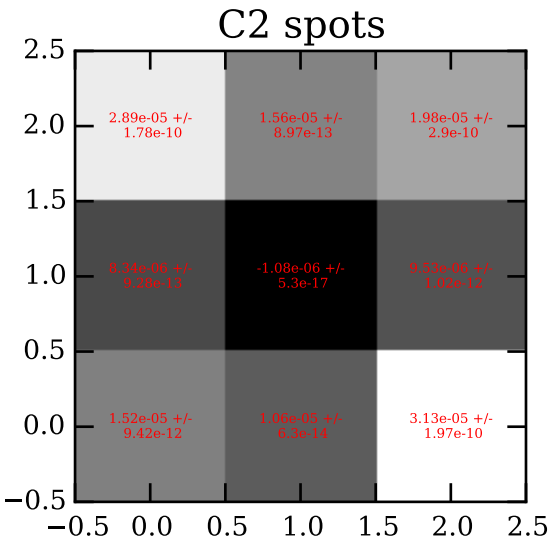

85901.5 electrons.
Position: (736,544)
Fractional NL
(after NL correction)
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
−0.015
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

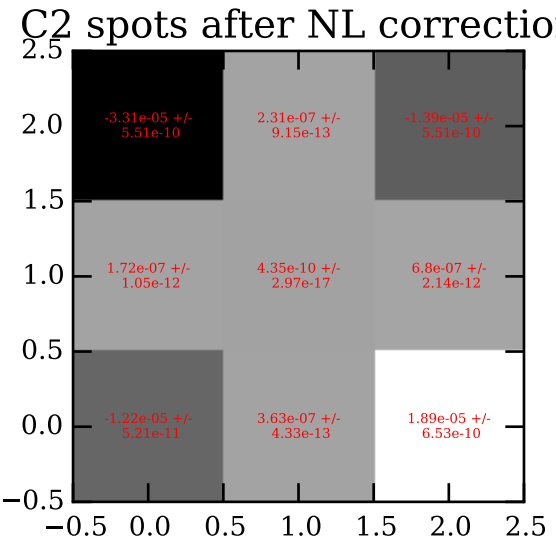

5609.29 electrons.
Position: (737,544)
Fractional NL
(after NL correction)
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

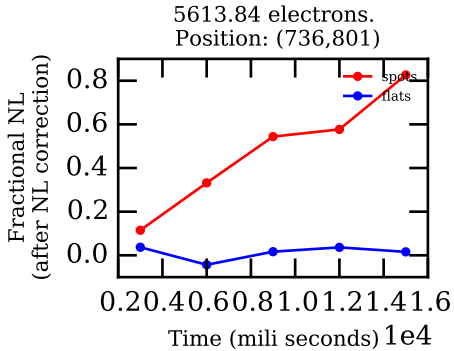

5443.03 electrons.
Position: (736,543)
Fractional NL
(after NL correction)
0.25
0.20
0.15
0.10
0.05
0.00
−0.05
spots
flats
0.20.40.60.81.01.21.41.6
Time (mili seconds)1e4

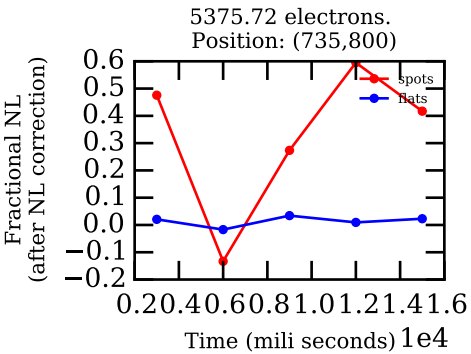

Center: (736,544)
81.1319 e/s
(1216.98 e)
363.498 e/s
(5452.47 e)
86.8724 e/s
(1303.09 e)
403.614 e/s
(6054.21 e)
5599.62 e/s
(83994.4 e)
396.619 e/s
(5949.29 e)
83.0023 e/s
(1245.03 e)
386.283 e/s
(5794.25 e)
82.4649 e/s
(1236.97 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

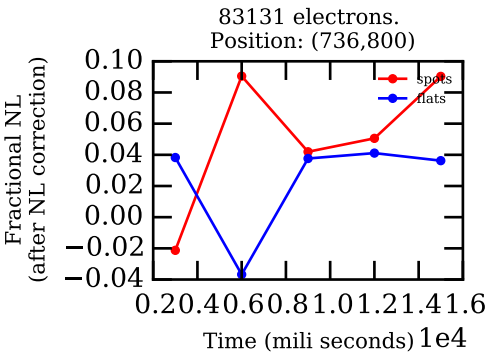

C2 flat
-8.97e-07 +/-
2.96e-17
-7.77e-07 +/-
6.51e-17
-8.24e-07 +/-
4.36e-17
-9.03e-07 +/-
1.84e-18
-8.55e-07 +/-
4.71e-18
-8.99e-07 +/-
5.18e-17
-9.01e-07 +/-
3.24e-17
-8.05e-07 +/-
8.23e-18
-9.34e-07 +/-
1.36e-17
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

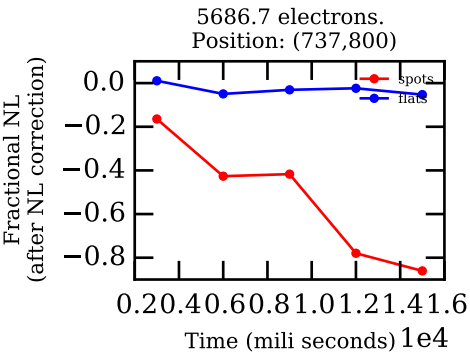

C2 spots
2.89e-05 +/-
1.78e-10
1.56e-05 +/-
8.97e-13
1.98e-05 +/-
2.9e-10
8.34e-06 +/-
9.28e-13
-1.08e-06 +/-
5.3e-17
9.55e-06 +/-
1.02e-12
1.52e-05 +/-
9.42e-12
1.06e-05 +/-
6.3e-14
3.13e-05 +/-
1.97e-10
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

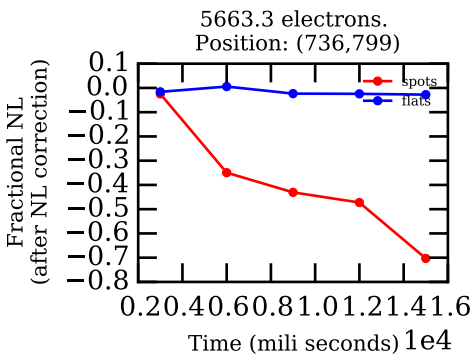

C2 spots after NL correction
-3.31e-05 +/-
5.51e-10
2.31e-07 +/-
9.15e-13
-1.38e-05 +/-
5.51e-10
1.72e-07 +/-
1.05e-12
4.35e-10 +/-
2.97e-17
6.8e-07 +/-
2.14e-12
-1.22e-05 +/-
5.21e-11
3.63e-07 +/-
4.33e-13
1.89e-05 +/-
6.53e-10
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

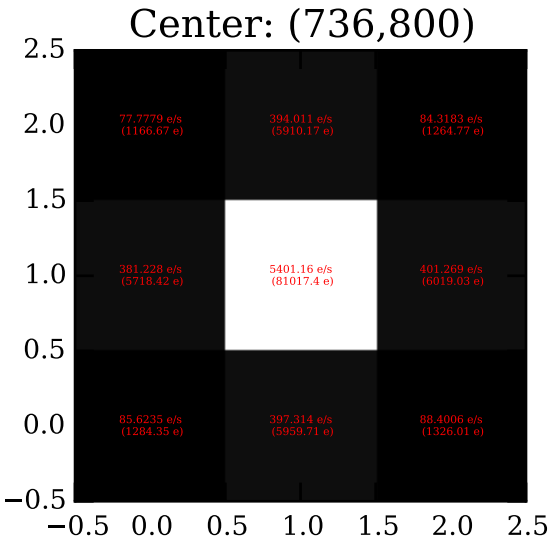

5613.84 electrons.
Position: (736,801)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

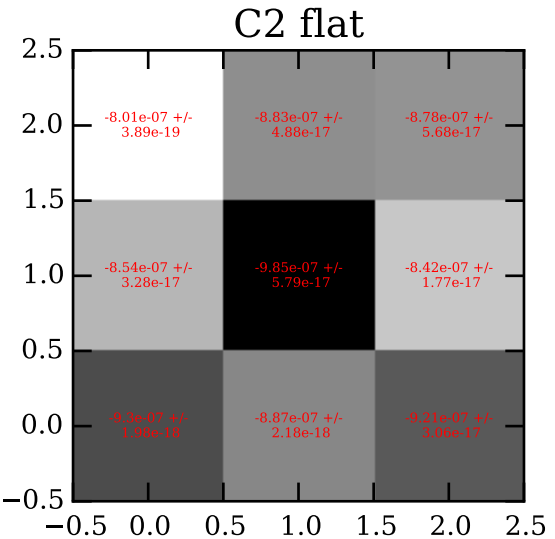

5375.72 electrons.
Position: (735,800)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

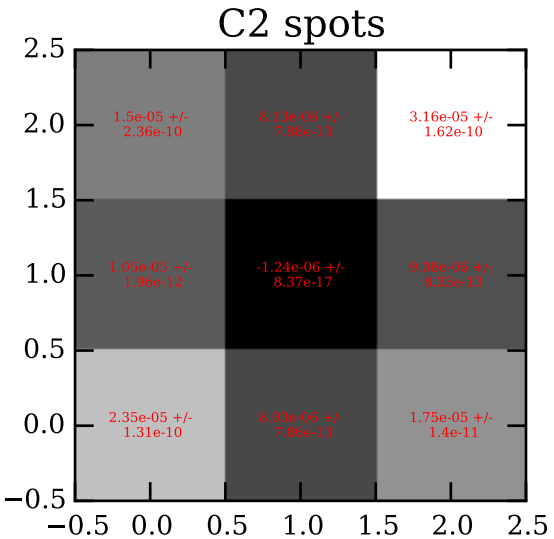

83131 electrons.
Position: (736,800)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

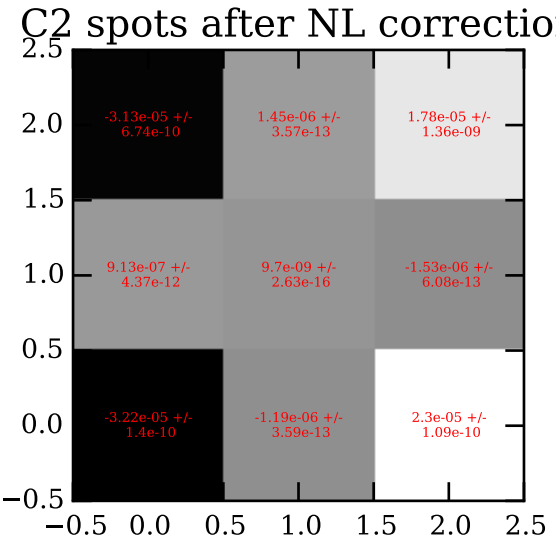

5686.7 electrons.
Position: (737,800)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

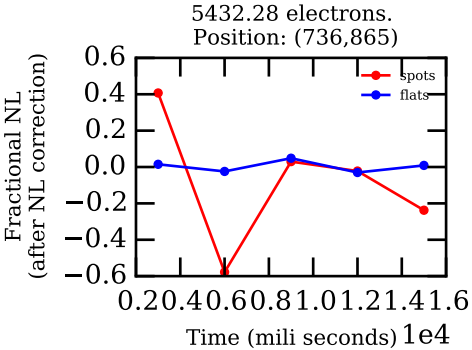

5663.3 electrons.
Position: (736,799)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

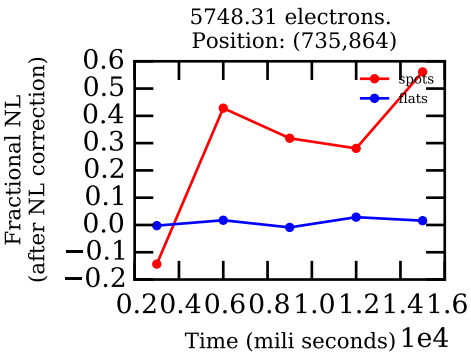

Center: (736,800)
77.7779 e/s
(1166.67 e)
394.011 e/s
(5910.17 e)
84.3183 e/s
(1264.77 e)
381.228 e/s
(5718.42 e)
5401.16 e/s
(81017.4 e)
401.269 e/s
(6019.03 e)
85.6235 e/s
(1284.35 e)
397.314 e/s
(5959.71 e)
88.4006 e/s
(1326.01 e)

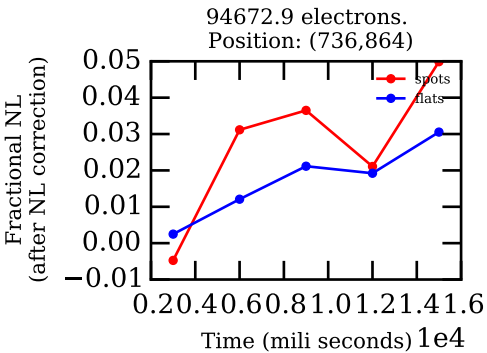

C2 flat
-8.01e-07 +/-
3.89e-19
-8.83e-07 +/-
4.88e-17
-8.78e-07 +/-
5.68e-17
-8.54e-07 +/-
3.28e-17
-9.85e-07 +/-
5.79e-17
-8.42e-07 +/-
1.77e-17
-8.87e-07 +/-
2.18e-18

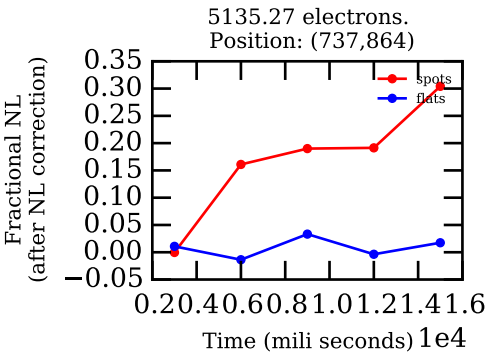

C2 spots
1.5e-05 +/-
2.36e-10
3.16e-05 +/-
1.62e-10
-1.24e-06 +/-
8.37e-17
2.35e-05 +/-
1.31e-10
1.75e-05 +/-
1.4e-11

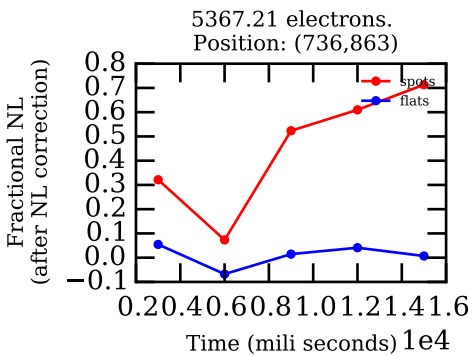

C2 spots after NL correction
-3.13e-05 +/-
6.74e-10
1.45e-06 +/-
3.57e-13
1.78e-05 +/-
1.36e-09
9.13e-07 +/-
4.37e-12
9.7e-09 +/-
2.63e-16
-1.53e-06 +/-
6.08e-13
-3.22e-05 +/-
1.4e-10
-1.19e-06 +/-
3.59e-13
2.3e-05 +/-
1.09e-10

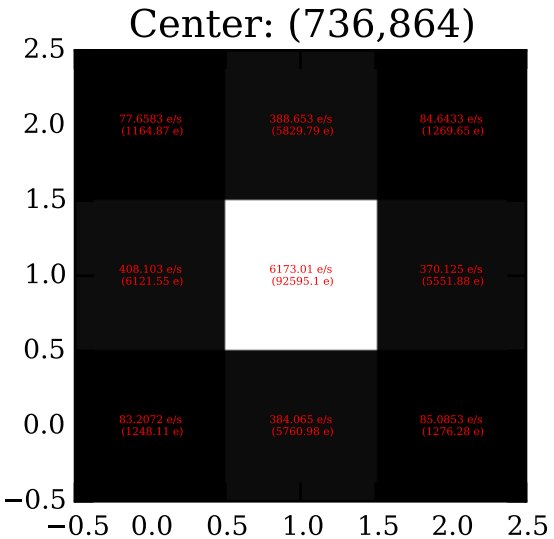

5432.28 electrons.
Position: (736,865)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

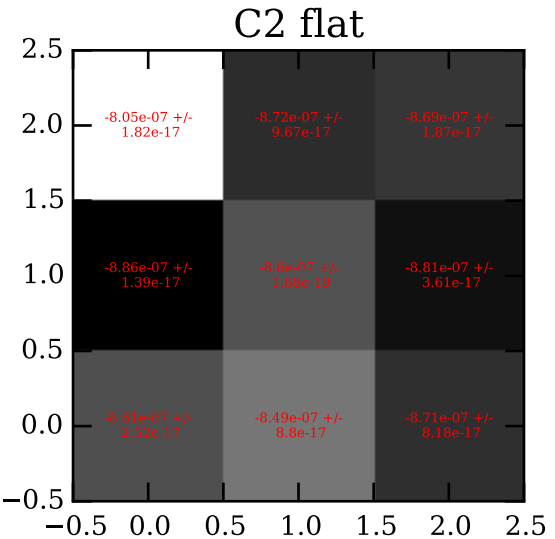

5748.31 electrons.
Position: (735,864)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

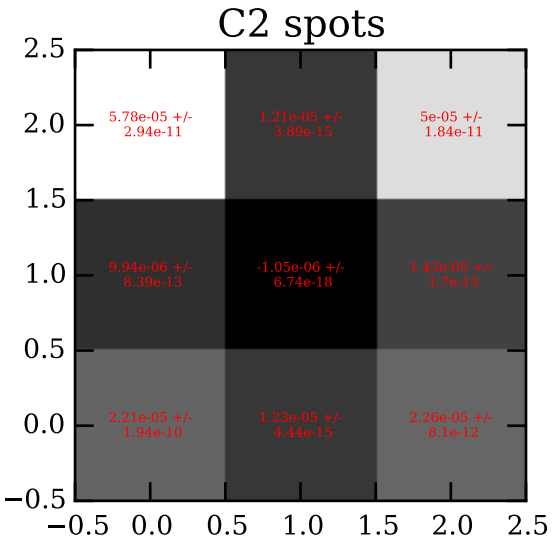

94672.9 electrons.
Position: (736,864)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

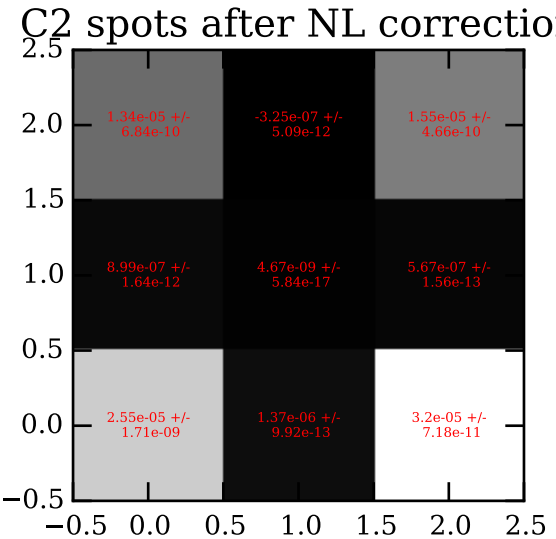

5135.27 electrons.
Position: (737,864)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

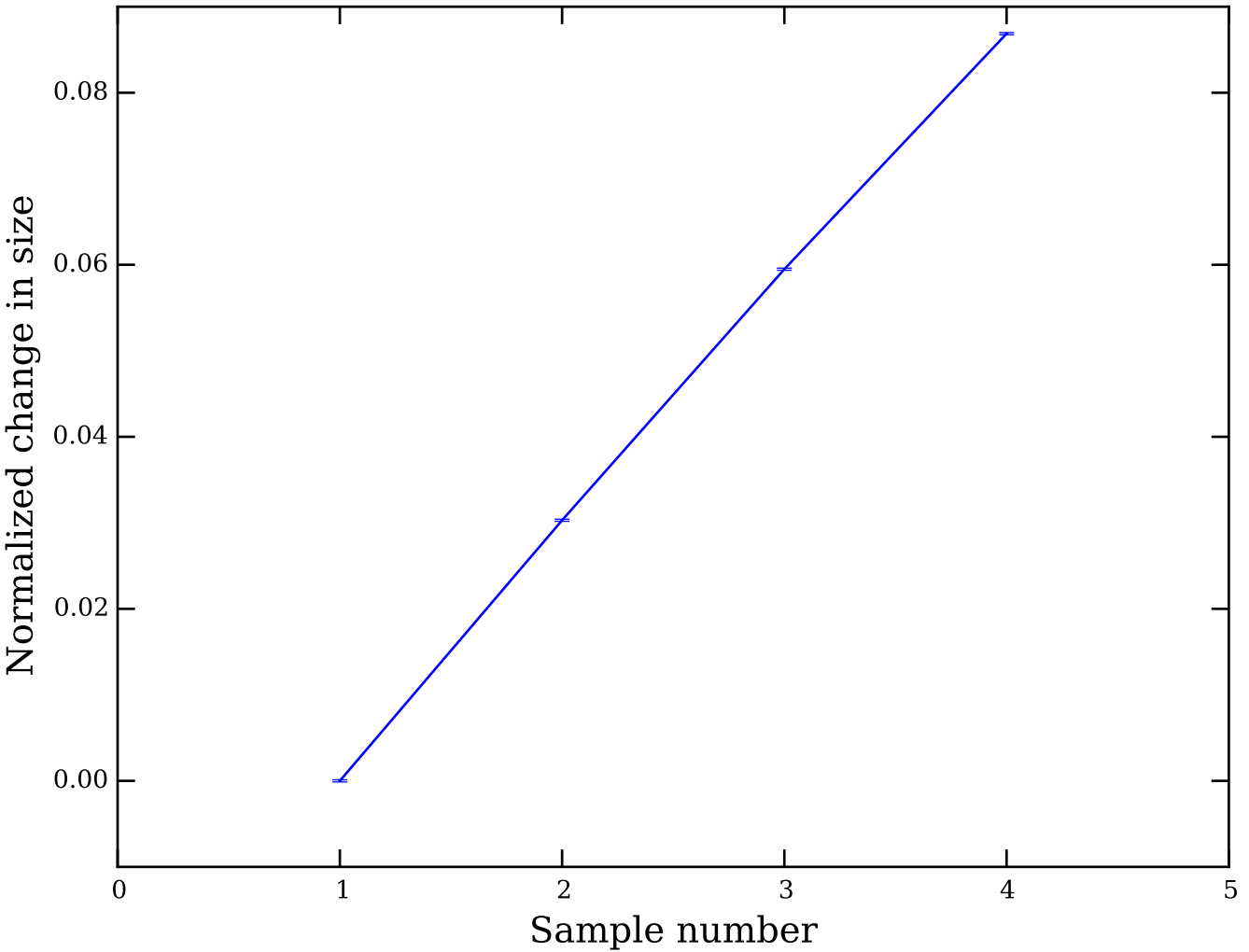

5367.21 electrons.
Position: (736,863)
Fractional NL
(after NL correction)
spots
flats
Time (mili seconds)
1e4

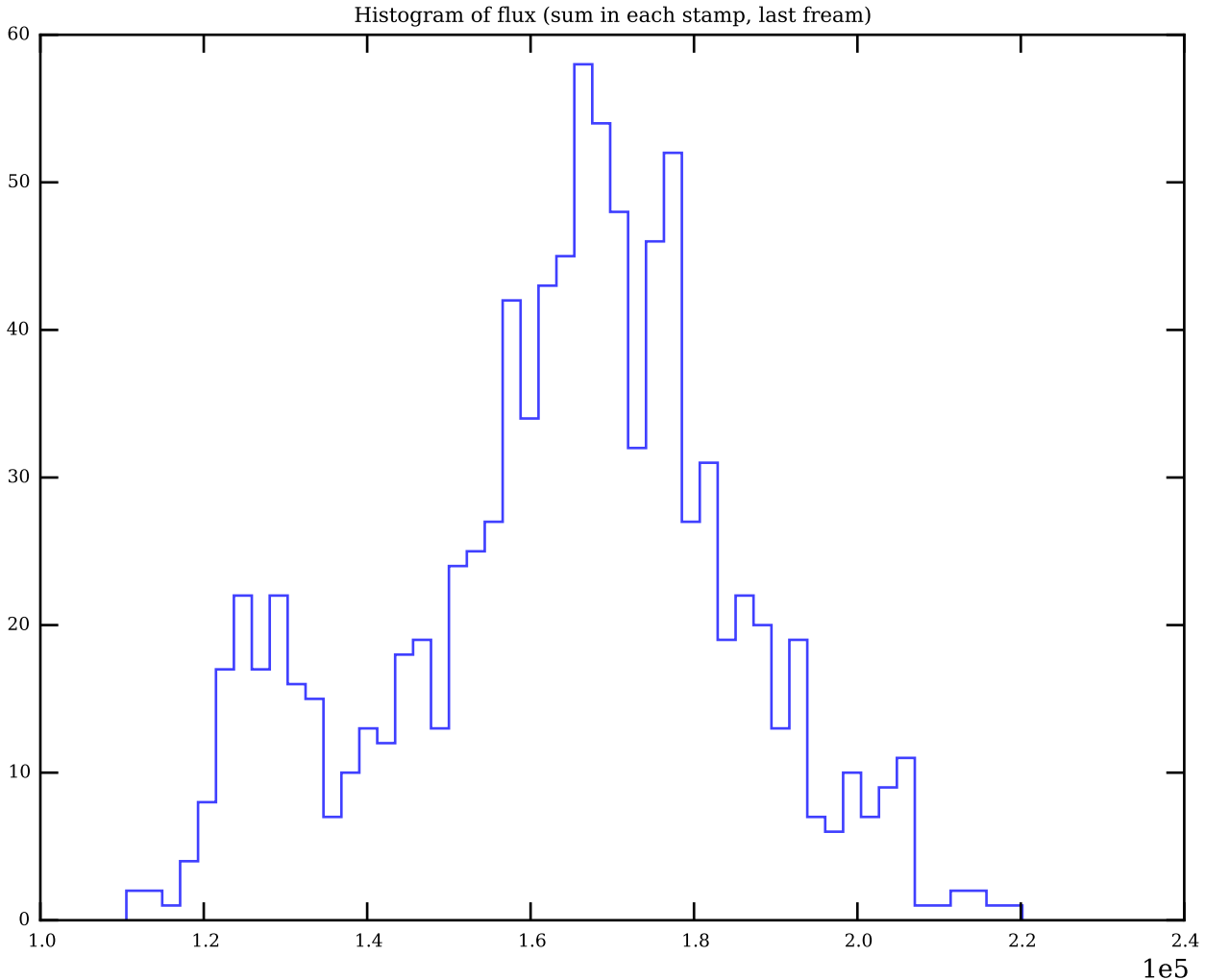

Center: (736,864)
77.6583 e/s
(1164.87 e)
388.653 e/s
(5829.79 e)
84.6433 e/s
(1269.65 e)
408.103 e/s
(6121.55 e)
6173.01 e/s
(92595.1 e)
370.125 e/s
(5551.88 e)
83.2072 e/s
(1248.11 e)
384.065 e/s
(5760.98 e)
85.0853 e/s
(1276.28 e)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

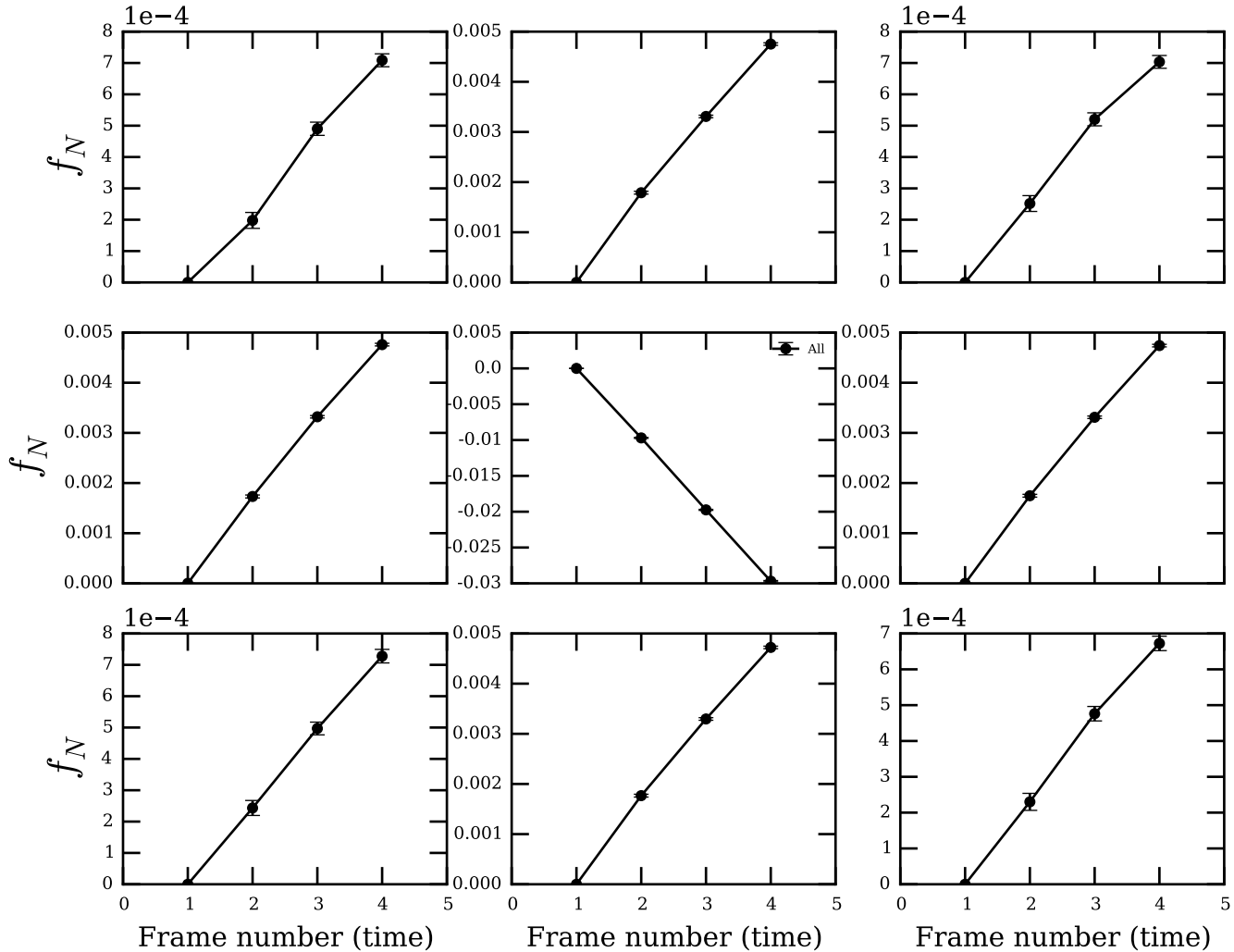

C2 flat
-8.05e-07 +/-
1.82e-17
-8.72e-07 +/-
9.67e-17
-8.69e-07 +/-
1.87e-17
-8.86e-07 +/-
1.39e-17
-8.81e-07 +/-
3.61e-17
-8.49e-07 +/-
8.8e-17
-8.71e-07 +/-
8.18e-17
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

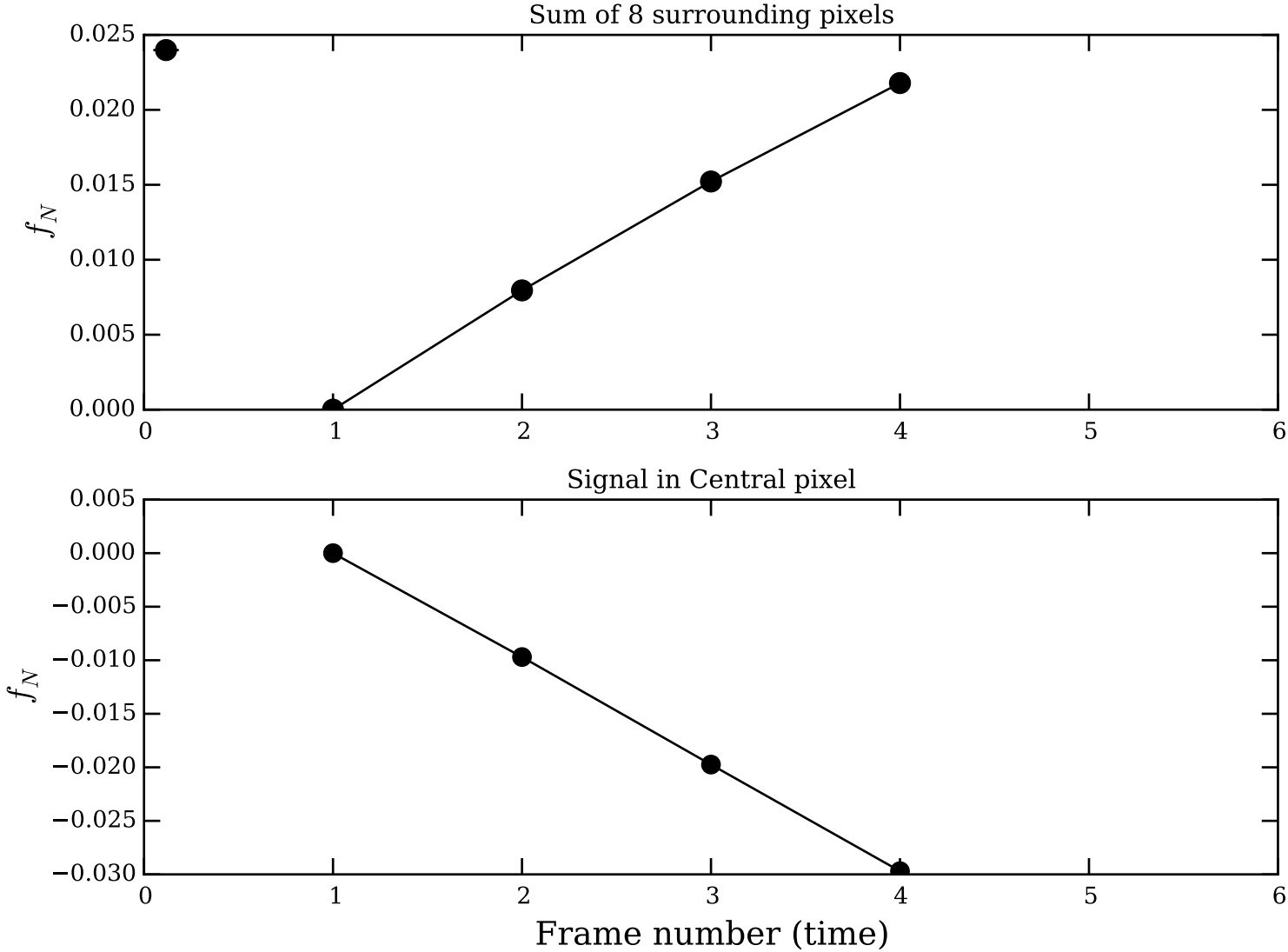

C2 spots
5.78e-05 +/-
2.94e-11
1.21e-05 +/-
3.89e-15
5e-05 +/-
1.84e-11
9.94e-06 +/-
8.39e-13
-1.05e-06 +/-
6.74e-18
1.43e-05 +/-
1.7e-13
2.21e-05 +/-
1.94e-10
1.23e-05 +/-
4.44e-15
2.26e-05 +/-
8.1e-12
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5

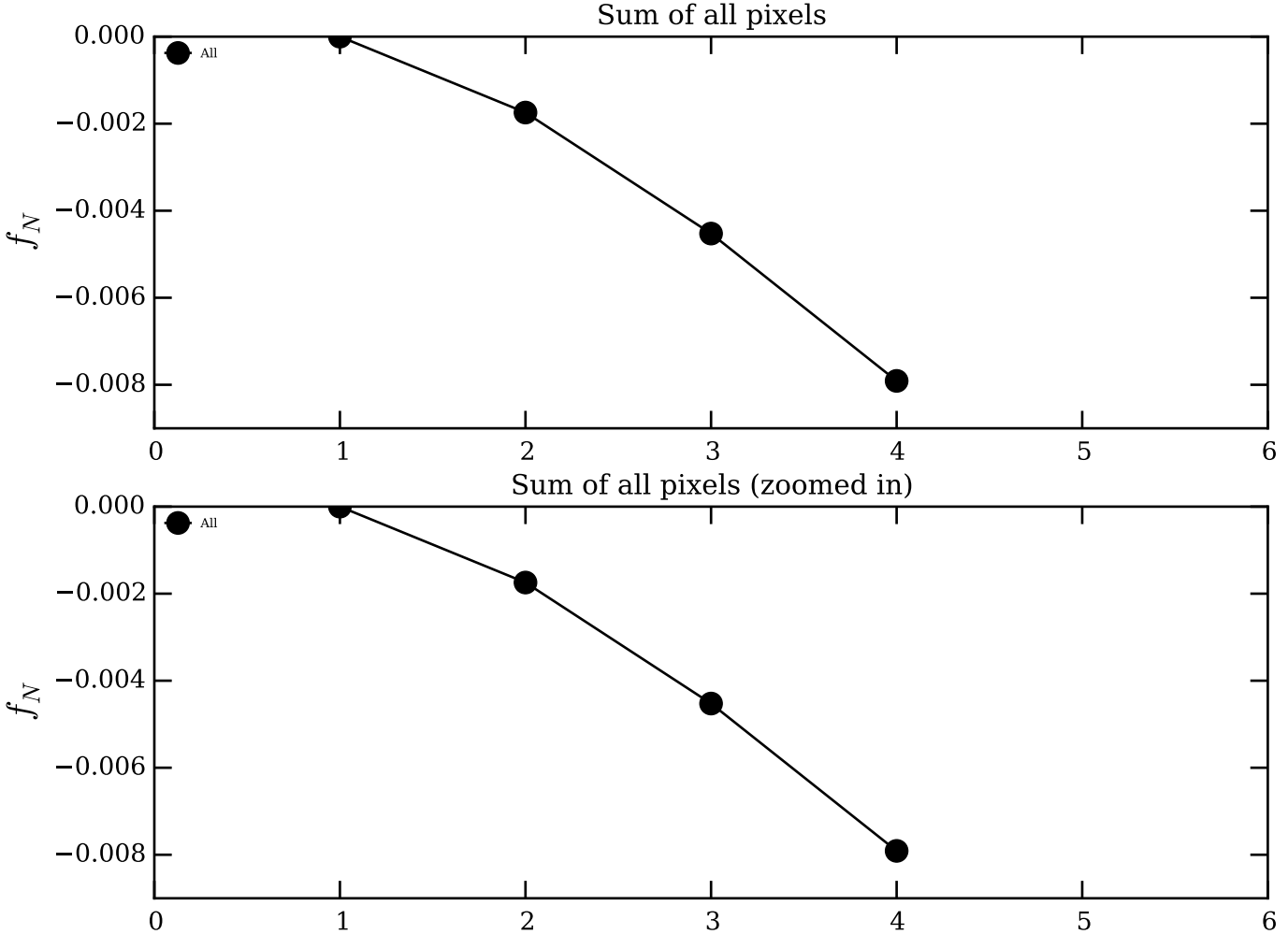

C2 spots after NL correction
1.34e-05 +/-
6.84e-10
-3.25e-07 +/-
5.09e-12
1.55e-05 +/-
4.66e-10
8.99e-07 +/-
1.64e-12
4.67e-09 +/-
5.84e-17
5.67e-07 +/-
1.56e-13
2.55e-05 +/-
1.71e-09
1.37e-06 +/-
9.92e-13
3.2e-05 +/-
7.18e-11
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−0.5 0.0 0.5 1.0 1.5 2.0 2.5


Normalized change in size
0.00
0.02
0.04
0.06
0.08
0
1
2
3
4
5
Sample number


Histogram of flux (sum in each stamp, last fream)
60
50
40
30
20
10
0
1.0
1.2
1.4
1.6
1.8
2.0
2.2
2.4
1e5


1e−4
f_N
All
Frame number (time)


Sum of 8 surrounding pixels
f_N
0.025
0.020
0.015
0.010
0.005
0.000
0
1
2
3
4
5
6
Signal in Central pixel
f_N
0.005
0.000
−0.005
−0.010
−0.015
−0.020
−0.025
−0.030
0
1
2
3
4
5
6
Frame number (time)


Sum of all pixels
All
0.000
−0.002
−0.004
−0.006
−0.008
f_N
0
1
2
3
4
5
6
Sum of all pixels (zoomed in)
All
0.000
−0.002
−0.004
−0.006
−0.008
f_N
0
1
2
3
4
5
6