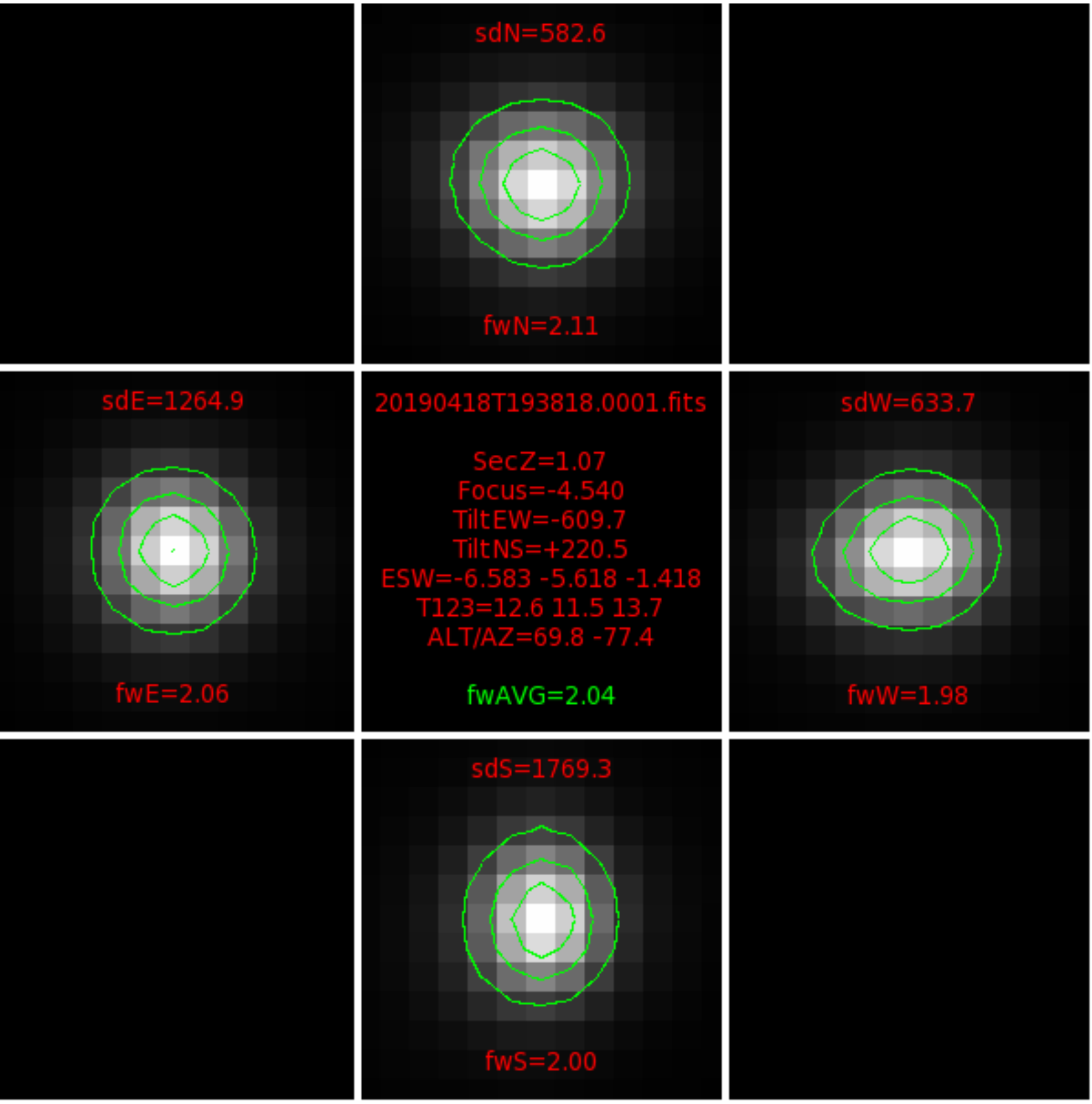
sdN=582.6
fwN=2.11
sdE=1264.9
fwE=2.06
20190418T193818.0001.fits
SecZ=1.07
Focus=-4.540
TiltEW=-609.7
TiltNS=+220.5
ESW=-6.583 -5.618 -1.418
T123=12.6 11.5 13.7
ALT/AZ=69.8 -77.4
fwAVG=2.04
sdW=633.7
fwW=1.98
sdS=1769.3
fwS=2.00
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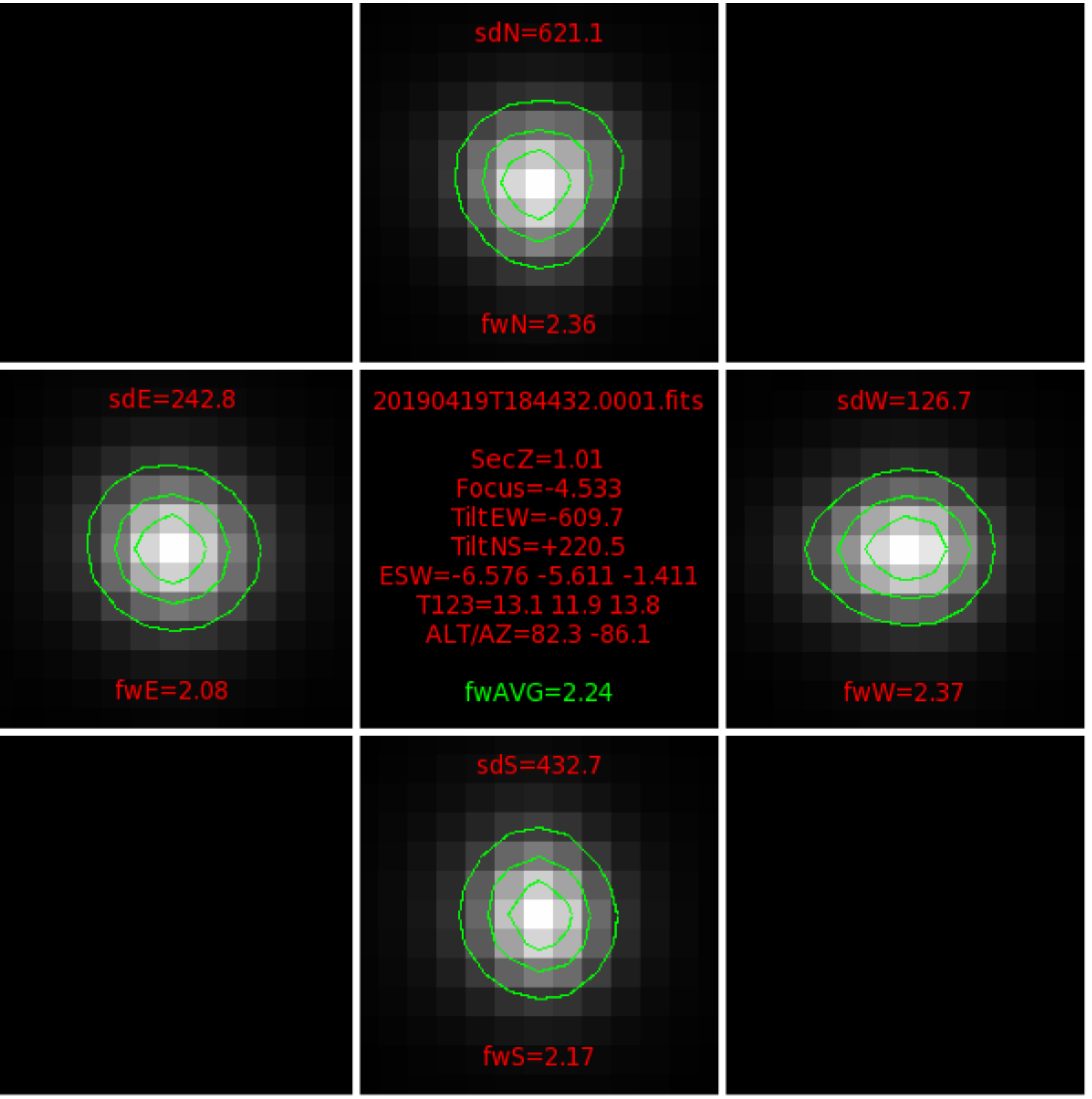
sdN=621.1
fwN=2.36
sdE=242.8
fwE=2.08
20190419T184432.0001.fits
SecZ=1.01
Focus=-4.533
TiltEW=-609.7
TiltNS=+220.5
ESW=-6.576 -5.611 -1.411
T123=13.1 11.9 13.8
ALT/AZ=82.3 -86.1
fwAVG=2.24
sdW=126.7
fwW=2.37
sdS=432.7
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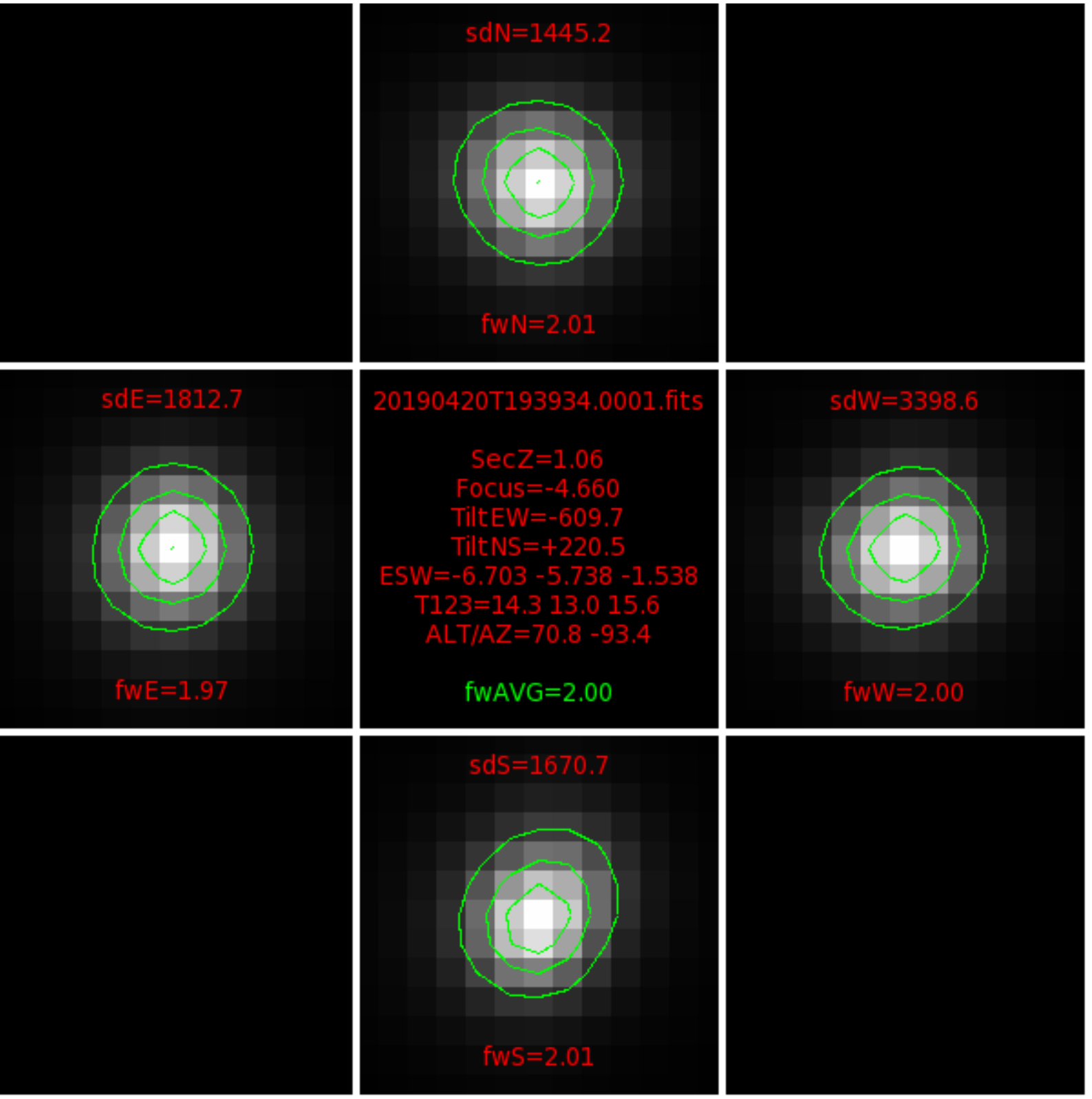
sdN=1445.2
fwN=2.01
sdE=1812.7
fwE=1.97
20190420T193934.0001.fits
SecZ=1.06
Focus=-4.660
TiltEW=-609.7
TiltNS=+220.5
ESW=-6.703 -5.738 -1.538
T123=14.3 13.0 15.6
ALT/AZ=70.8 -93.4
fwAVG=2.00
sdW=3398.6
fwW=2.00
sdS=1670.7
fwS=2.01
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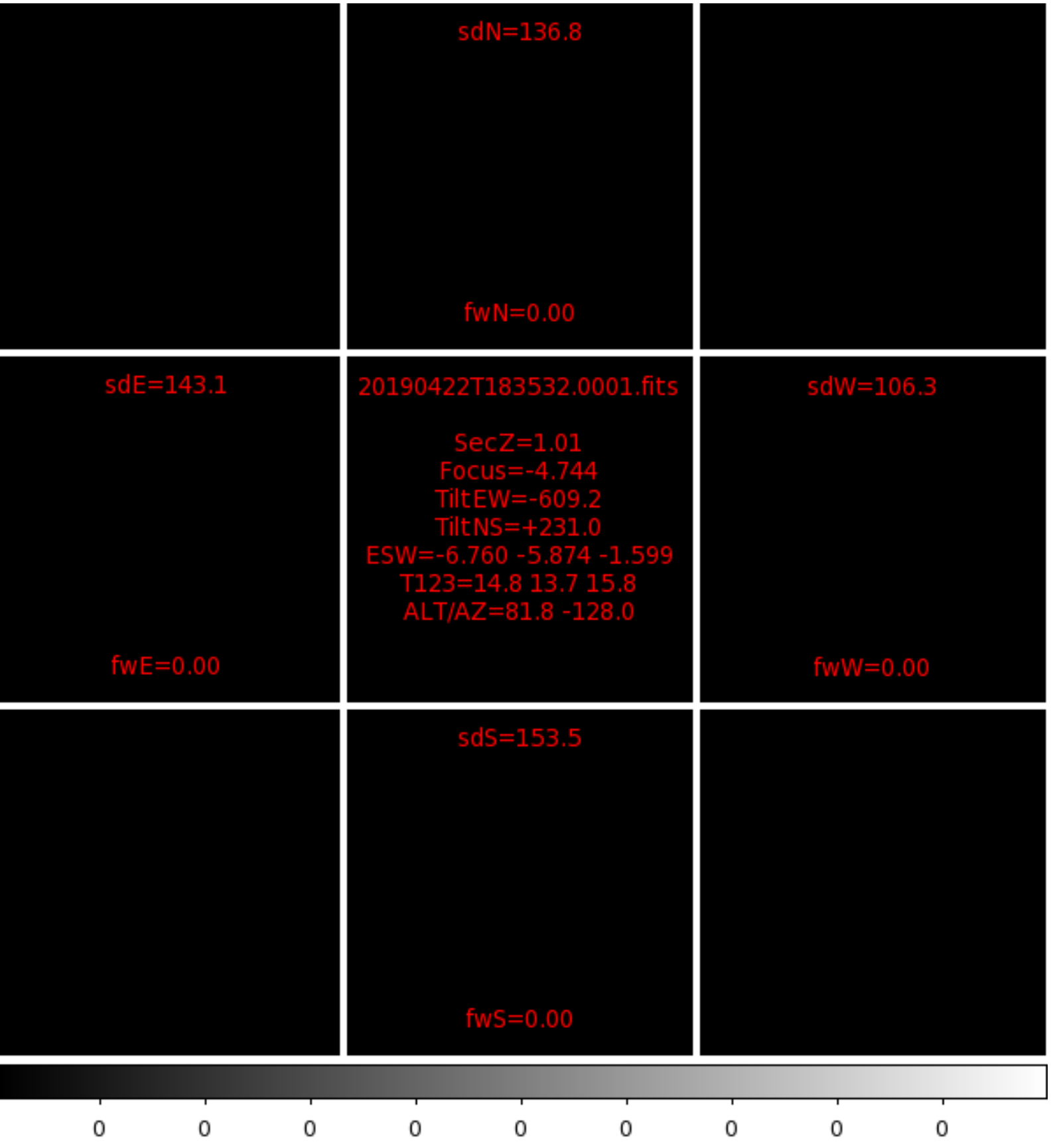
sdN=136.8
fwN=0.00
sdE=143.1
20190422T183532.0001.fits
SecZ=1.01
Focus=-4.744
TiltEW=-609.2
TiltNS=+231.0
ESW=-6.760 -5.874 -1.599
T123=14.8 13.7 15.8
ALT/AZ=81.8 -128.0
sdW=106.3
fwE=0.00
fwW=0.00
sdS=153.5
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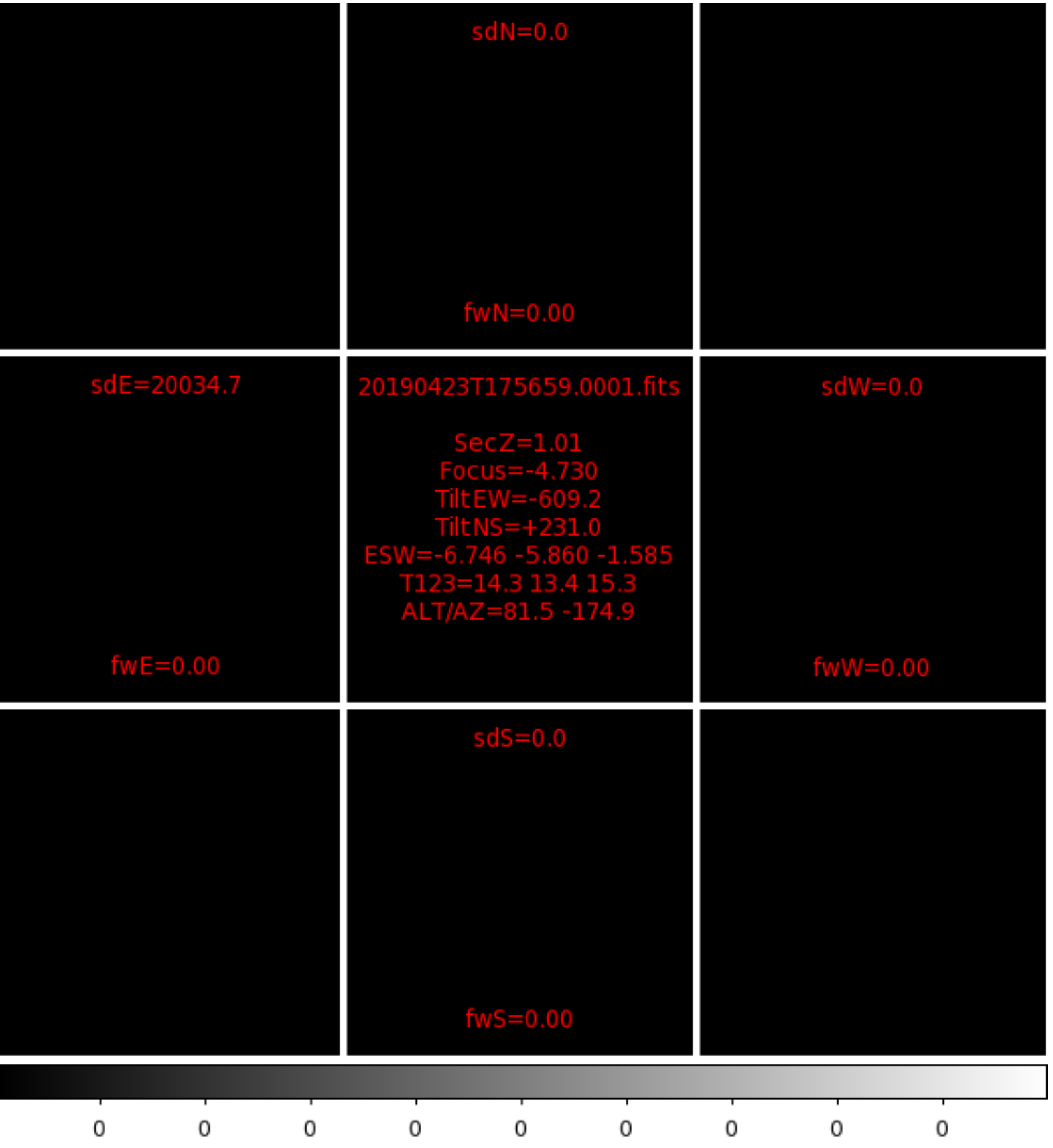
sdN=0.0
fwN=0.00
sdE=20034.7
fwE=0.00
20190423T175659.0001.fits
SecZ=1.01
Focus=-4.730
TiltEW=-609.2
TiltNS=+231.0
ESW=-6.746 -5.860 -1.585
T123=14.3 13.4 15.3
ALT/AZ=81.5 -174.9
sdW=0.0
fwW=0.00
sdS=0.0
fwS=0.00
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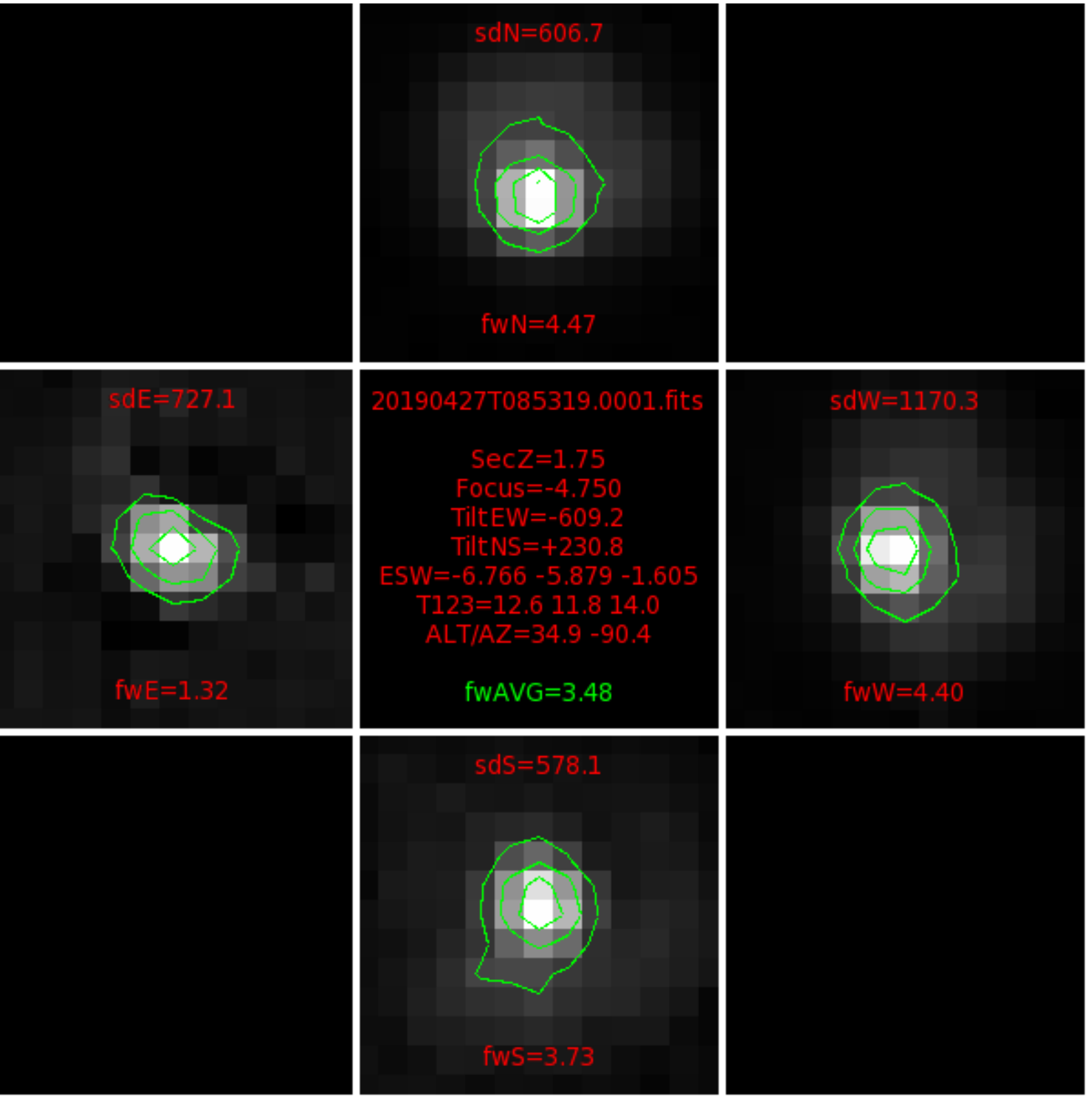
sdN=606.7
fwN=4.47
sdE=727.1
fwE=1.32
20190427T085319.0001.fits
SecZ=1.75
Focus=-4.750
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.766 -5.879 -1.605
T123=12.6 11.8 14.0
ALT/AZ=34.9 -90.4
fwAVG=3.48
sdW=1170.3
fwW=4.40
sdS=578.1
fwS=3.73
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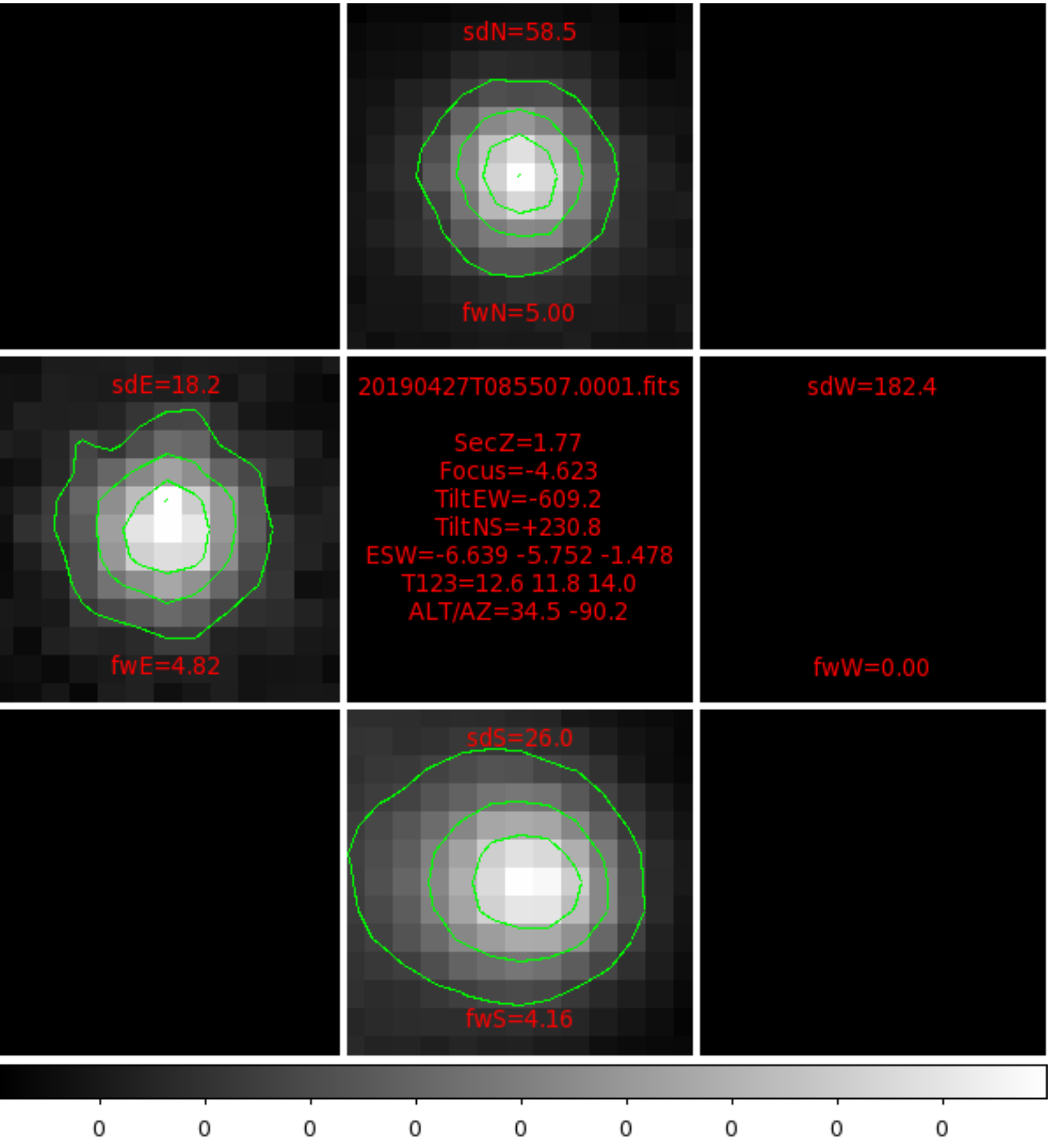
sdN=58.5
fwN=5.00
sdE=18.2
fwE=4.82
20190427T085507.0001.fits
SecZ=1.77
Focus=-4.623
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.639 -5.752 -1.478
T123=12.6 11.8 14.0
ALT/AZ=34.5 -90.2
sdW=182.4
fwW=0.00
sdS=26.0
fwS=4.16
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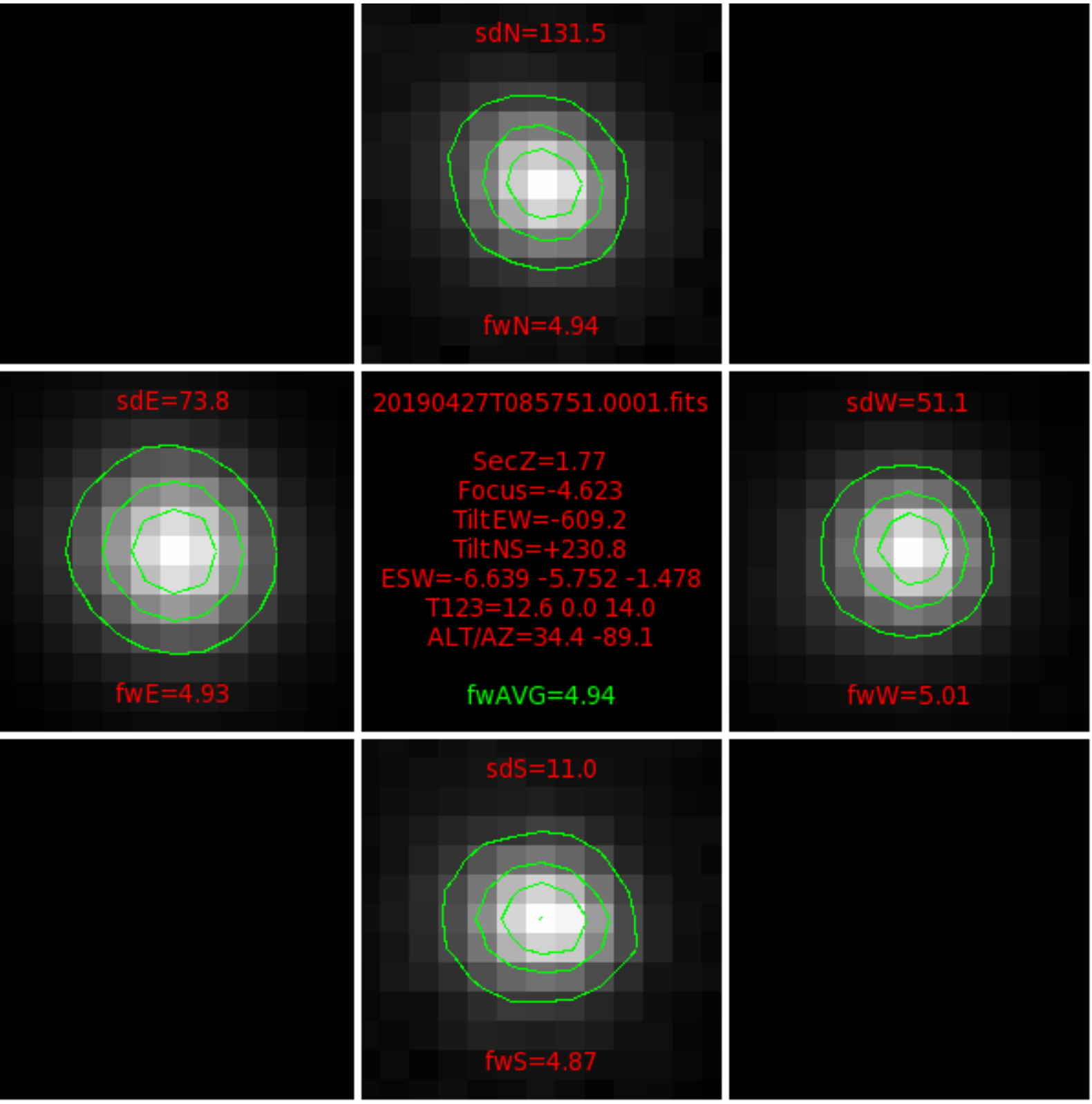
sdN=131.5
fwN=4.94
sdE=73.8
fwE=4.93
20190427T085751.0001.fits
SecZ=1.77
Focus=-4.623
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.639 -5.752 -1.478
T123=12.6 0.0 14.0
ALT/AZ=34.4 -89.1
fwAVG=4.94
sdW=51.1
fwW=5.01
sdS=11.0
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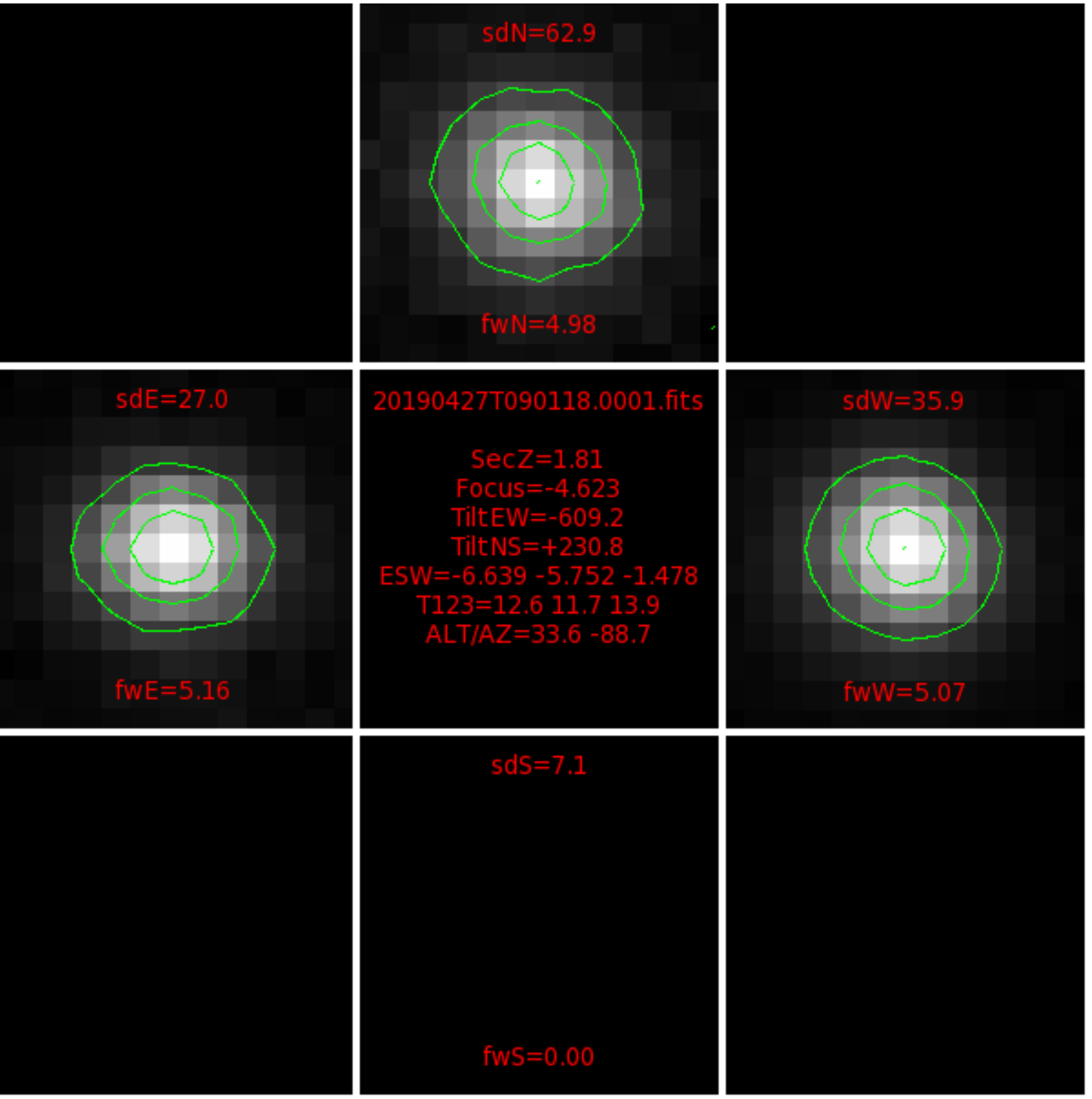
sdN=62.9
fwN=4.98
sdE=27.0
fwE=5.16
20190427T090118.0001.fits
SecZ=1.81
Focus=-4.623
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.639 -5.752 -1.478
T123=12.6 11.7 13.9
ALT/AZ=33.6 -88.7
sdW=35.9
fwW=5.07
sdS=7.1
fwS=0.00
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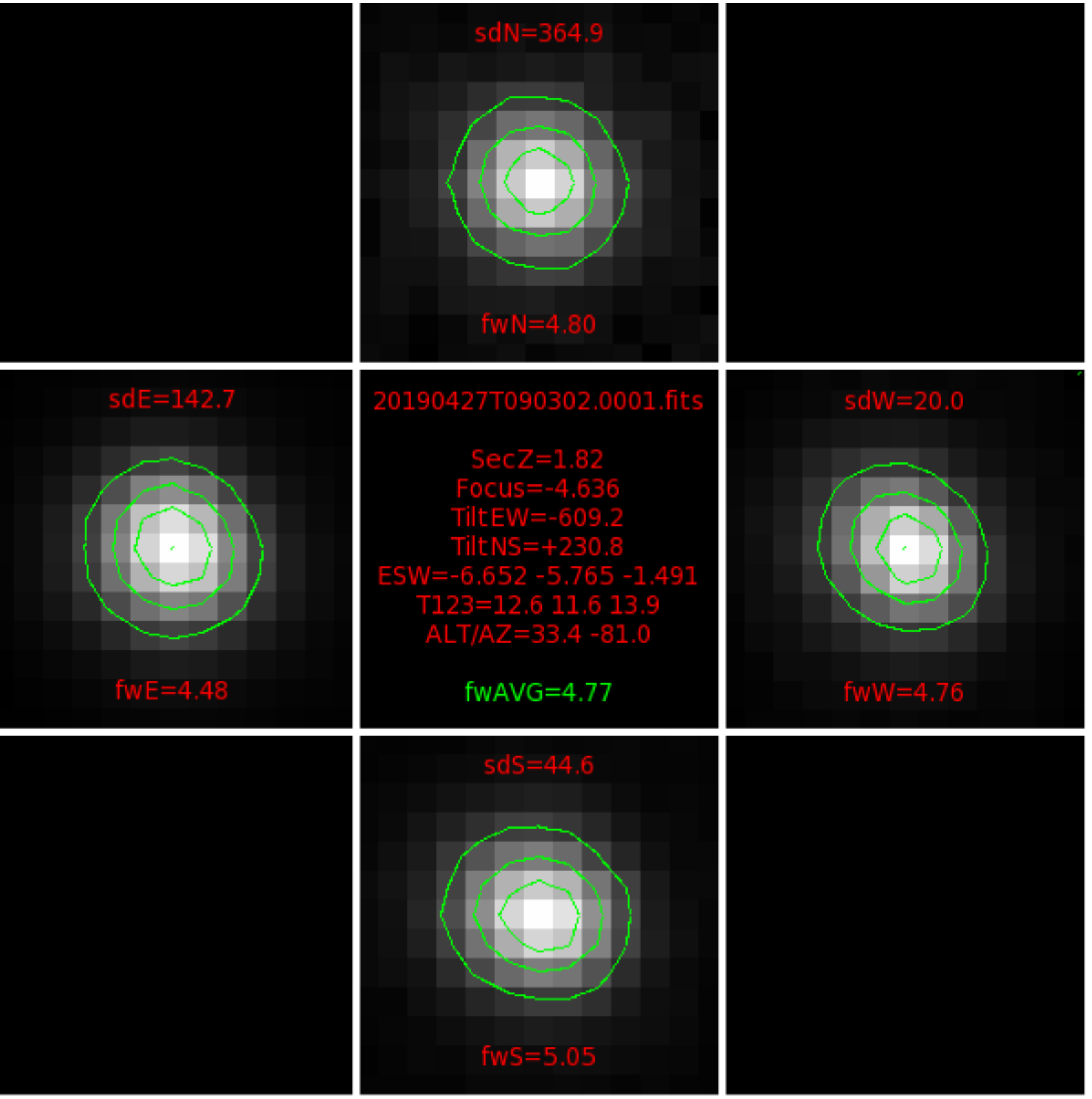
sdN=364.9
fwN=4.80
sdE=142.7
fwE=4.48
20190427T090302.0001.fits
SecZ=1.82
Focus=-4.636
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.652 -5.765 -1.491
T123=12.6 11.6 13.9
ALT/AZ=33.4 -81.0
fwAVG=4.77
sdW=20.0
fwW=4.76
sdS=44.6
fwS=5.05
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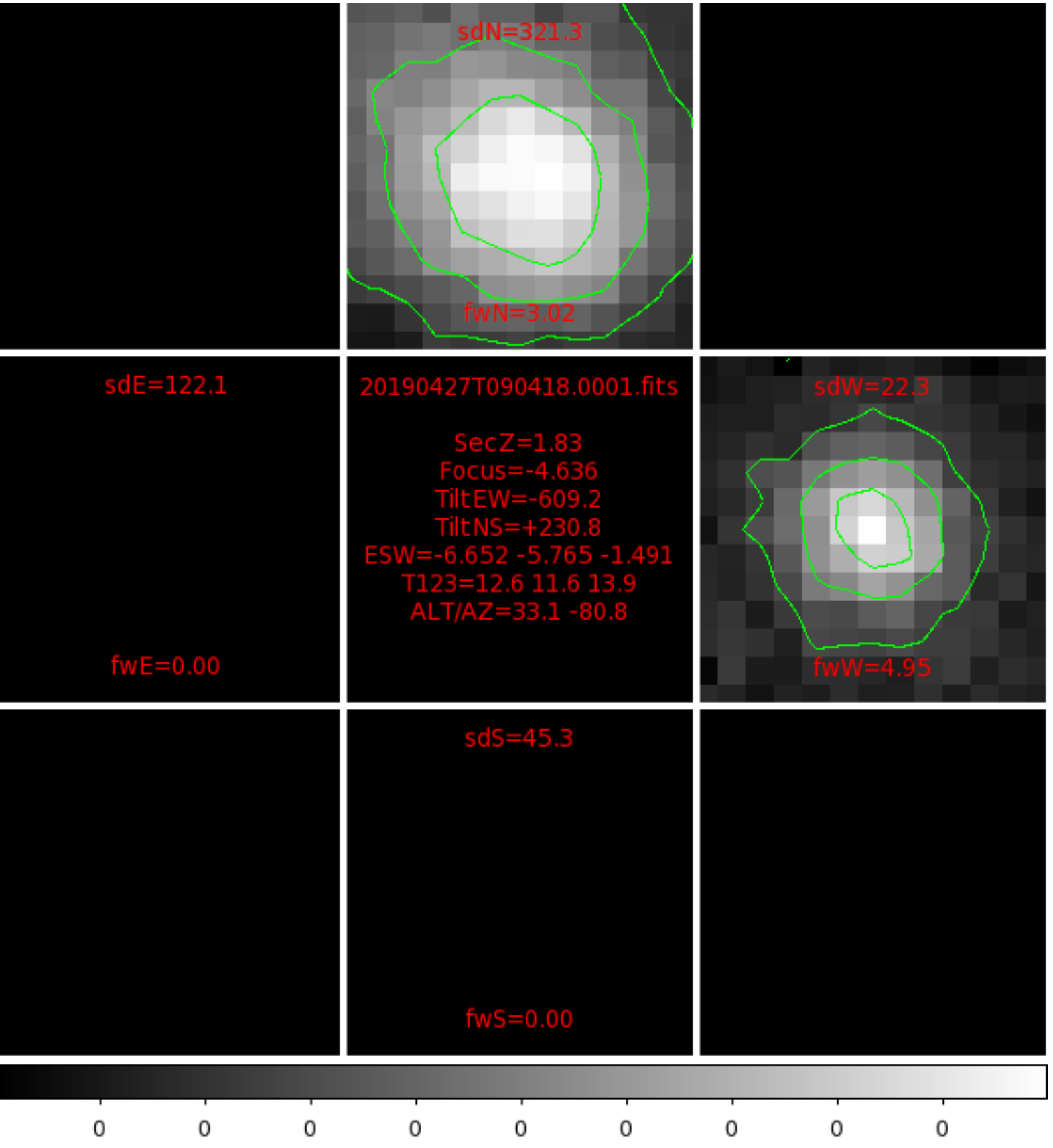
sdN=321.3
fwN=3.02
sdE=122.1
20190427T090418.0001.fits
SecZ=1.83
Focus=-4.636
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.652 -5.765 -1.491
T123=12.6 11.6 13.9
ALT/AZ=33.1 -80.8
sdW=22.3
fwE=0.00
fwW=4.95
sdS=45.3
fwS=0.00
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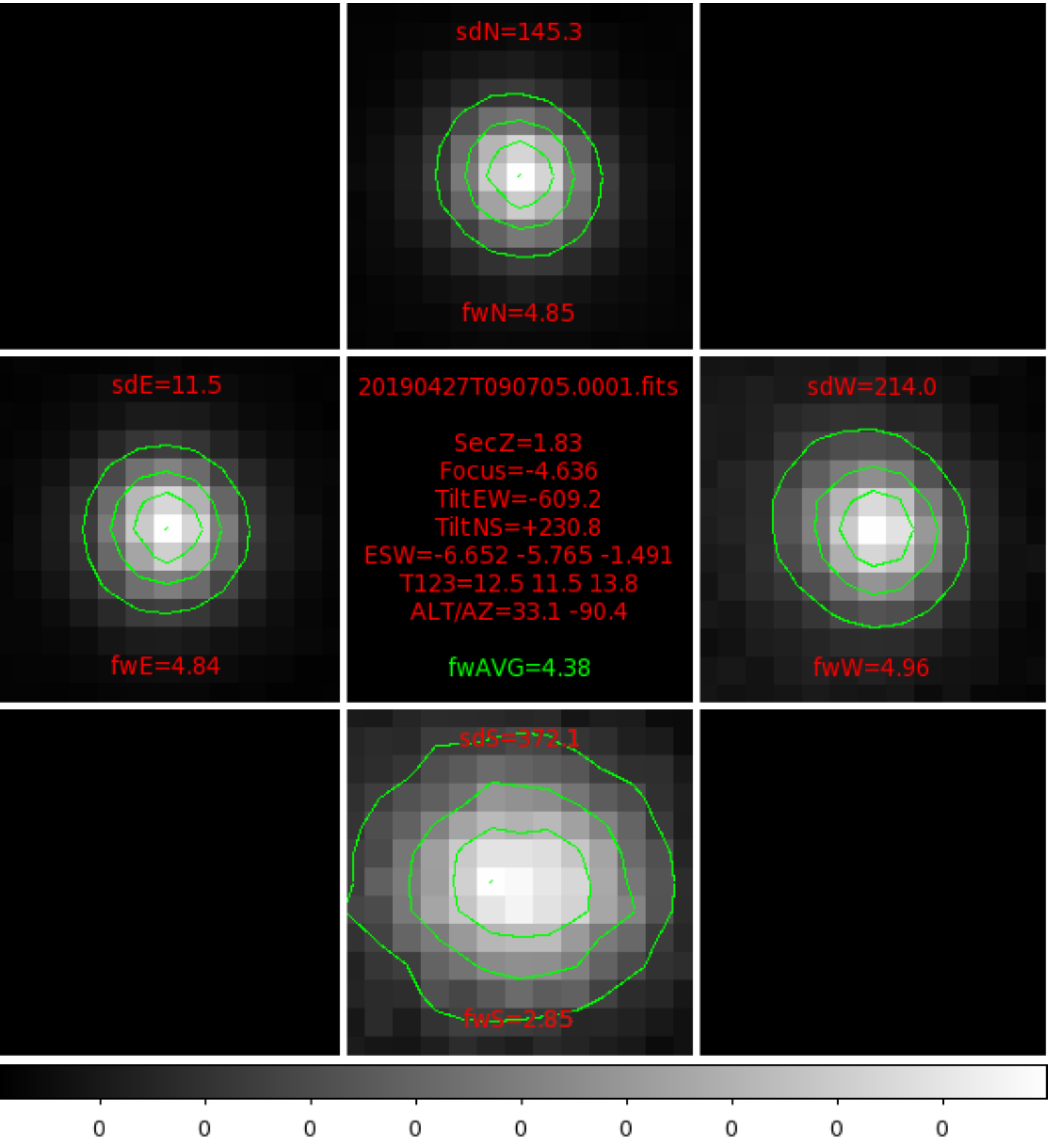
sdN=145.3
fwN=4.85
sdE=11.5
fwE=4.84
20190427T090705.0001.fits
SecZ=1.83
Focus=-4.636
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.652 -5.765 -1.491
T123=12.5 11.5 13.8
ALT/AZ=33.1 -90.4
fwAVG=4.38
sdW=214.0
fwW=4.96
sdS=372.1
fwS=2.85
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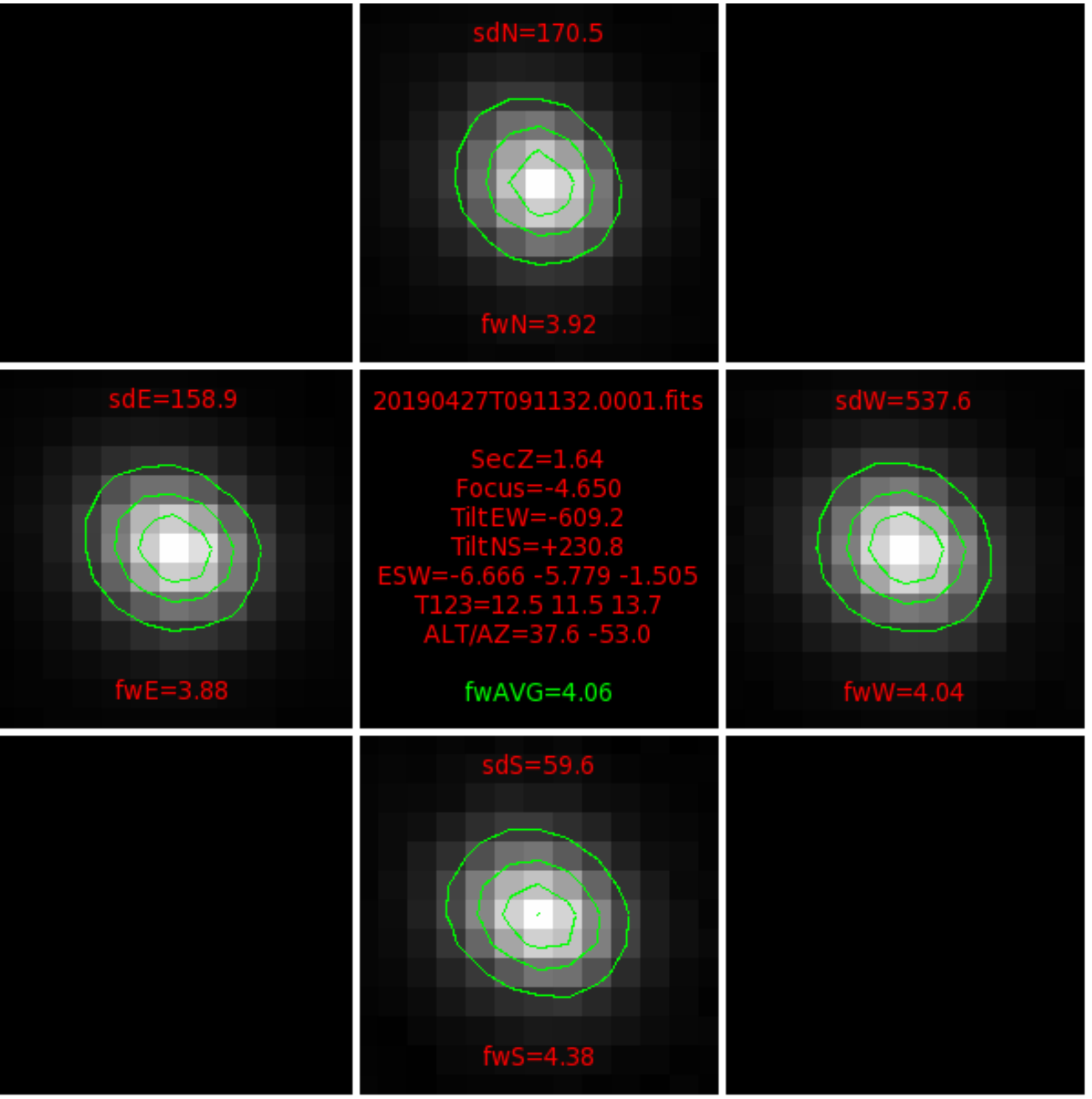
sdN=170.5
fwN=3.92
sdE=158.9
fwE=3.88
20190427T091132.0001.fits
SecZ=1.64
Focus=-4.650
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.666 -5.779 -1.505
T123=12.5 11.5 13.7
ALT/AZ=37.6 -53.0
fwAVG=4.06
sdW=537.6
fwW=4.04
sdS=59.6
fwS=4.38
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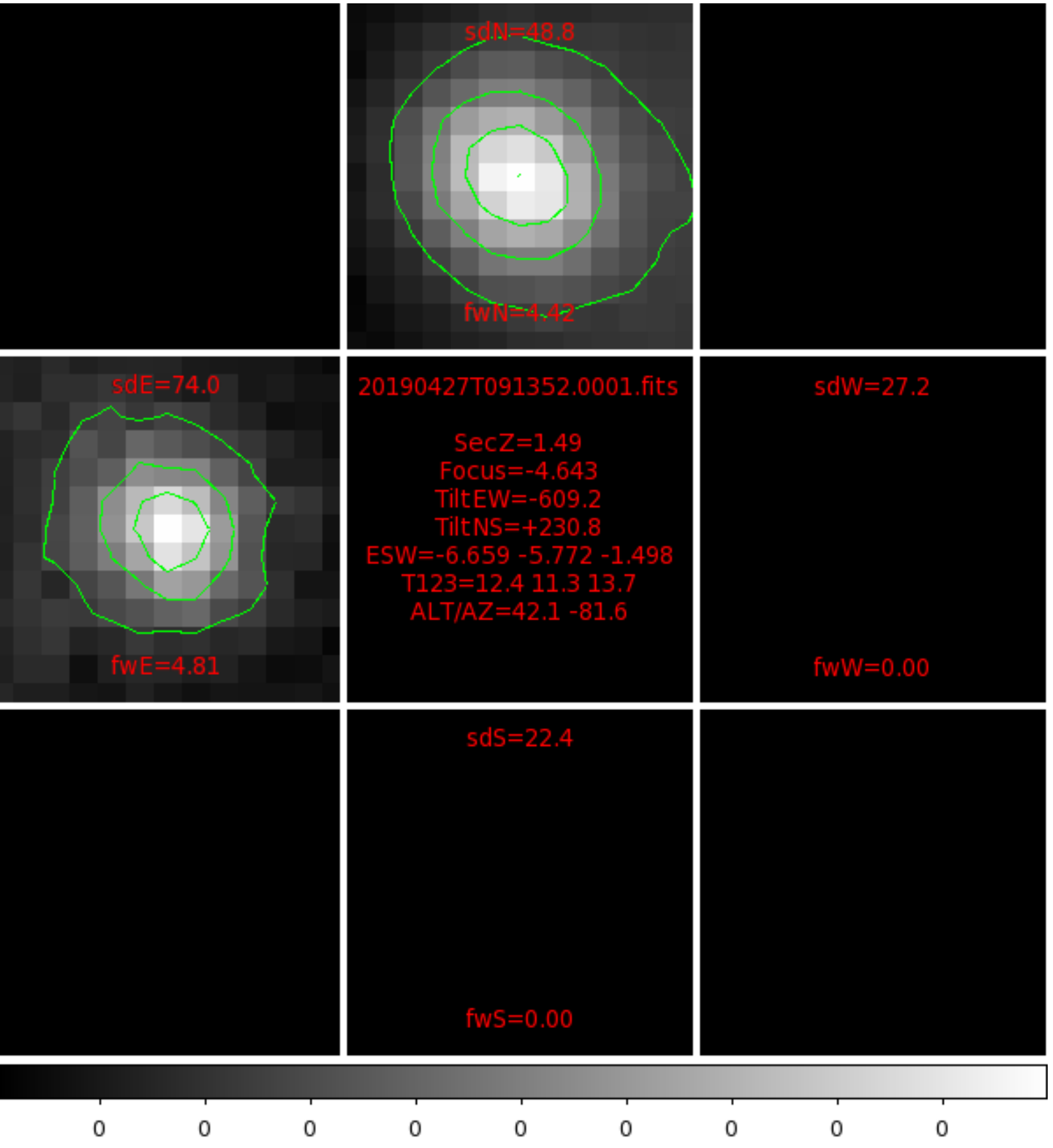
sdN=48.8
fwN=4.42
sdE=74.0
fwE=4.81
20190427T091352.0001.fits
SecZ=1.49
Focus=-4.643
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.659 -5.772 -1.498
T123=12.4 11.3 13.7
ALT/AZ=42.1 -81.6
sdW=27.2
fwW=0.00
sdS=22.4
fwS=0.00
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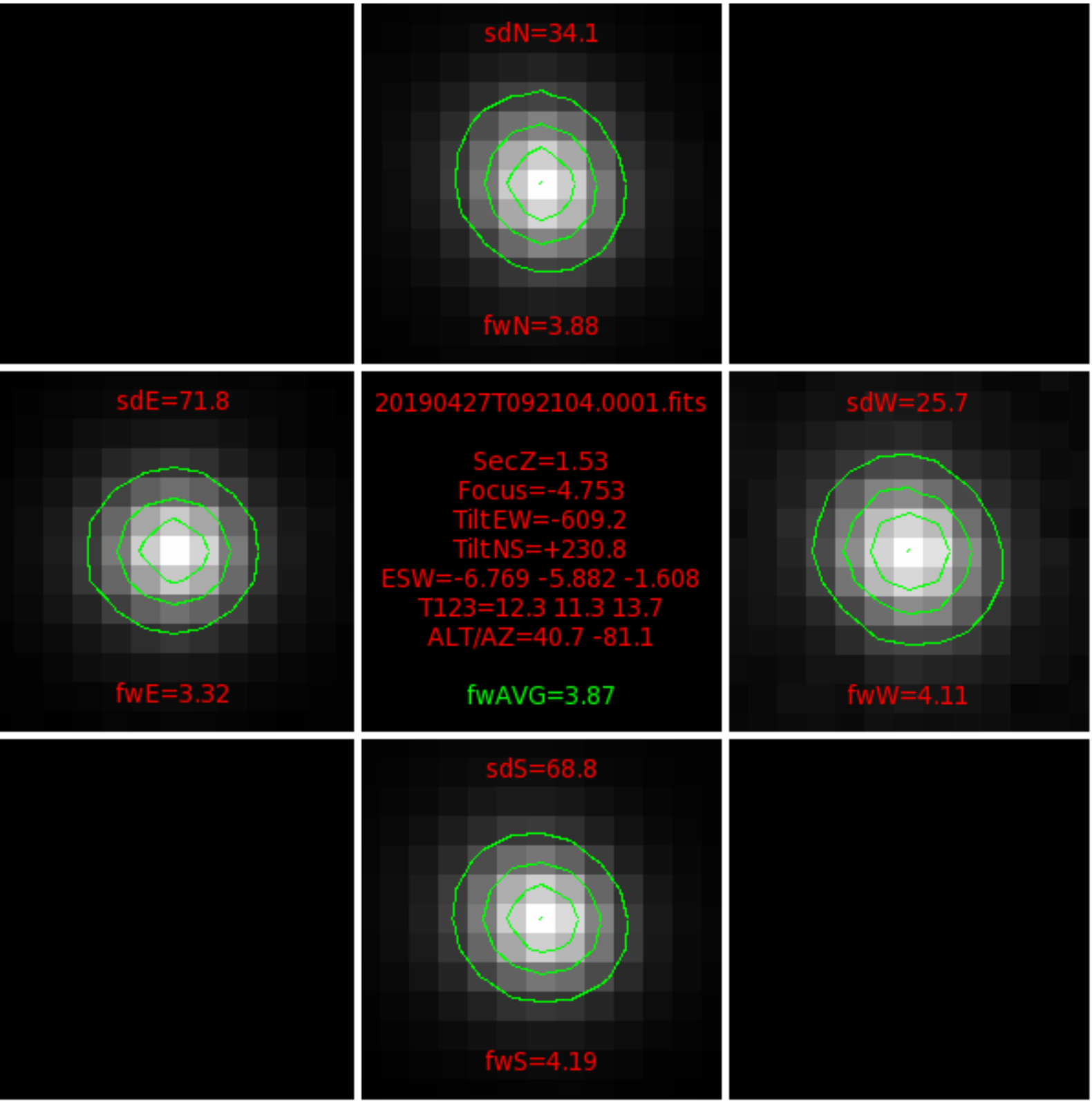
sdN=34.1
fwN=3.88
sdE=71.8
fwE=3.32
20190427T092104.0001.fits
SecZ=1.53
Focus=-4.753
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.769 -5.882 -1.608
T123=12.3 11.3 13.7
ALT/AZ=40.7 -81.1
fwAVG=3.87
sdW=25.7
fwW=4.11
sdS=68.8
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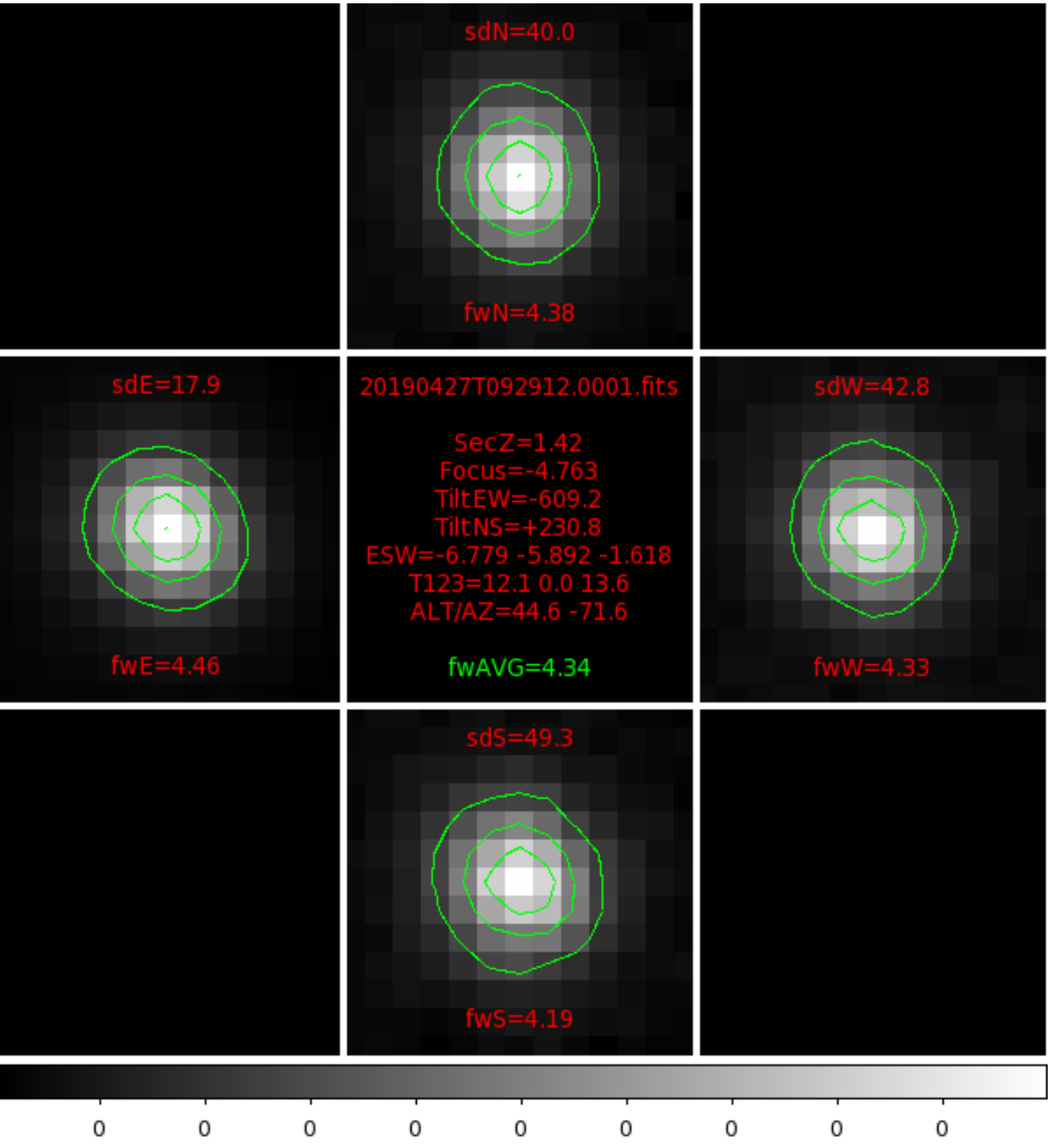
sdN=40.0
fwN=4.38
sdE=17.9
fwE=4.46
20190427T092912.0001.fits
SecZ=1.42
Focus=-4.763
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.779 -5.892 -1.618
T123=12.1 0.0 13.6
ALT/AZ=44.6 -71.6
fwAVG=4.34
sdW=42.8
fwW=4.33
sdS=49.3
fwS=4.19
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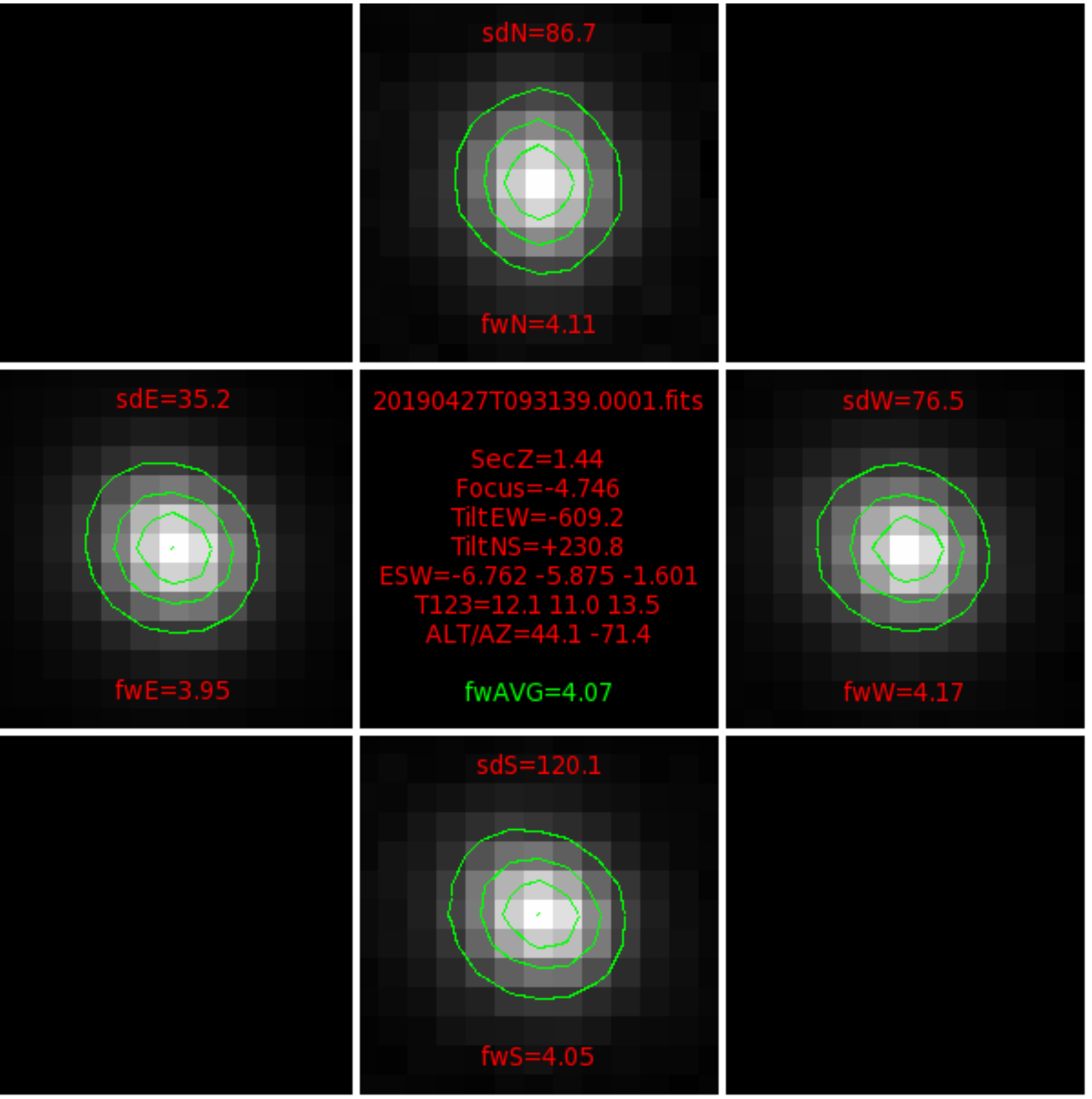
sdN=86.7
fwN=4.11
sdE=35.2
fwE=3.95
20190427T093139.0001.fits
SecZ=1.44
Focus=-4.746
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.762 -5.875 -1.601
T123=12.1 11.0 13.5
ALT/AZ=44.1 -71.4
fwAVG=4.07
sdW=76.5
fwW=4.17
sdS=120.1
fwS=4.05
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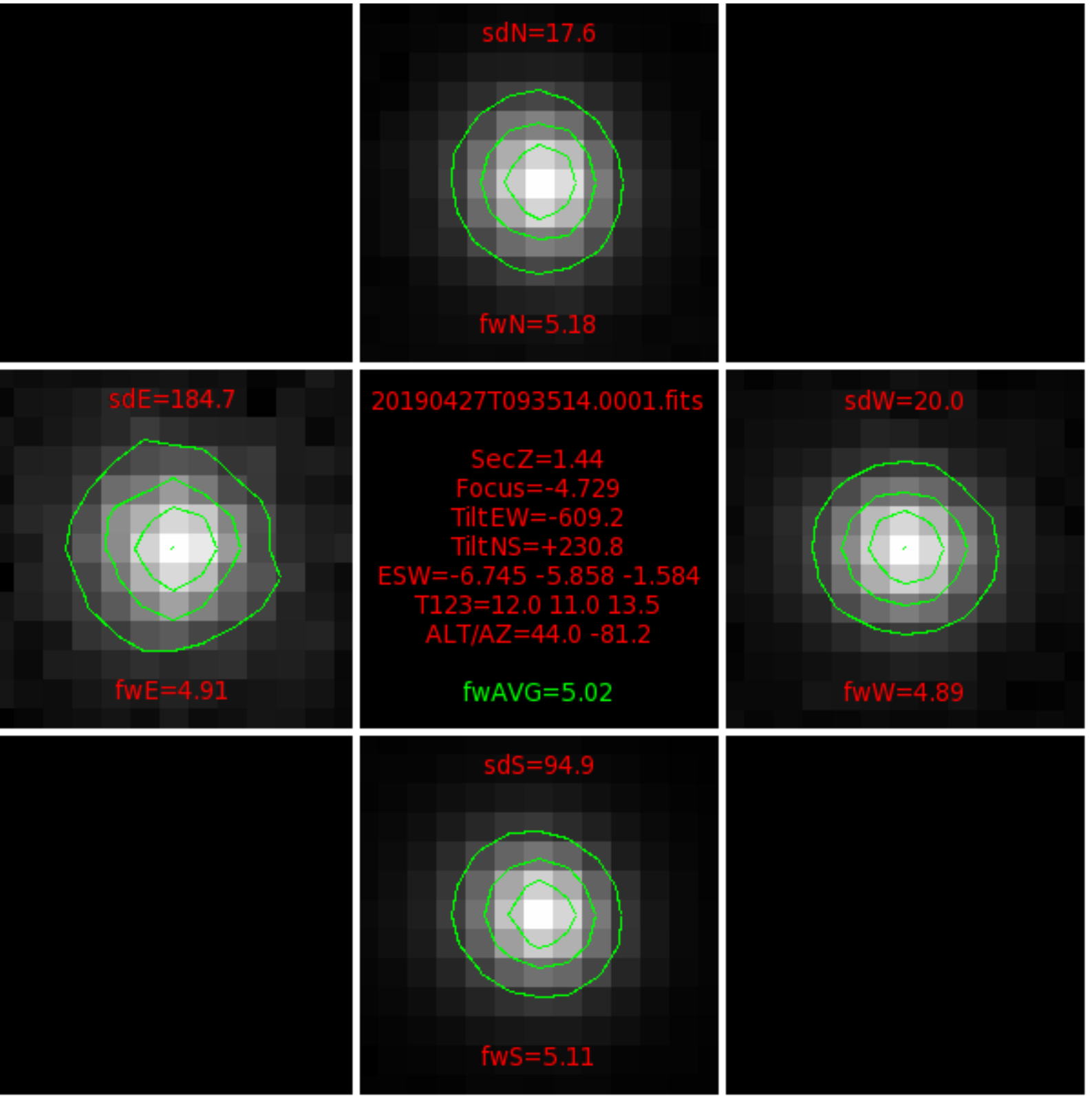
sdN=17.6
fwN=5.18
sdE=184.7
fwE=4.91
20190427T093514.0001.fits
SecZ=1.44
Focus=-4.729
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.745 -5.858 -1.584
T123=12.0 11.0 13.5
ALT/AZ=44.0 -81.2
fwAVG=5.02
sdW=20.0
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sdS=94.9
fwS=5.11
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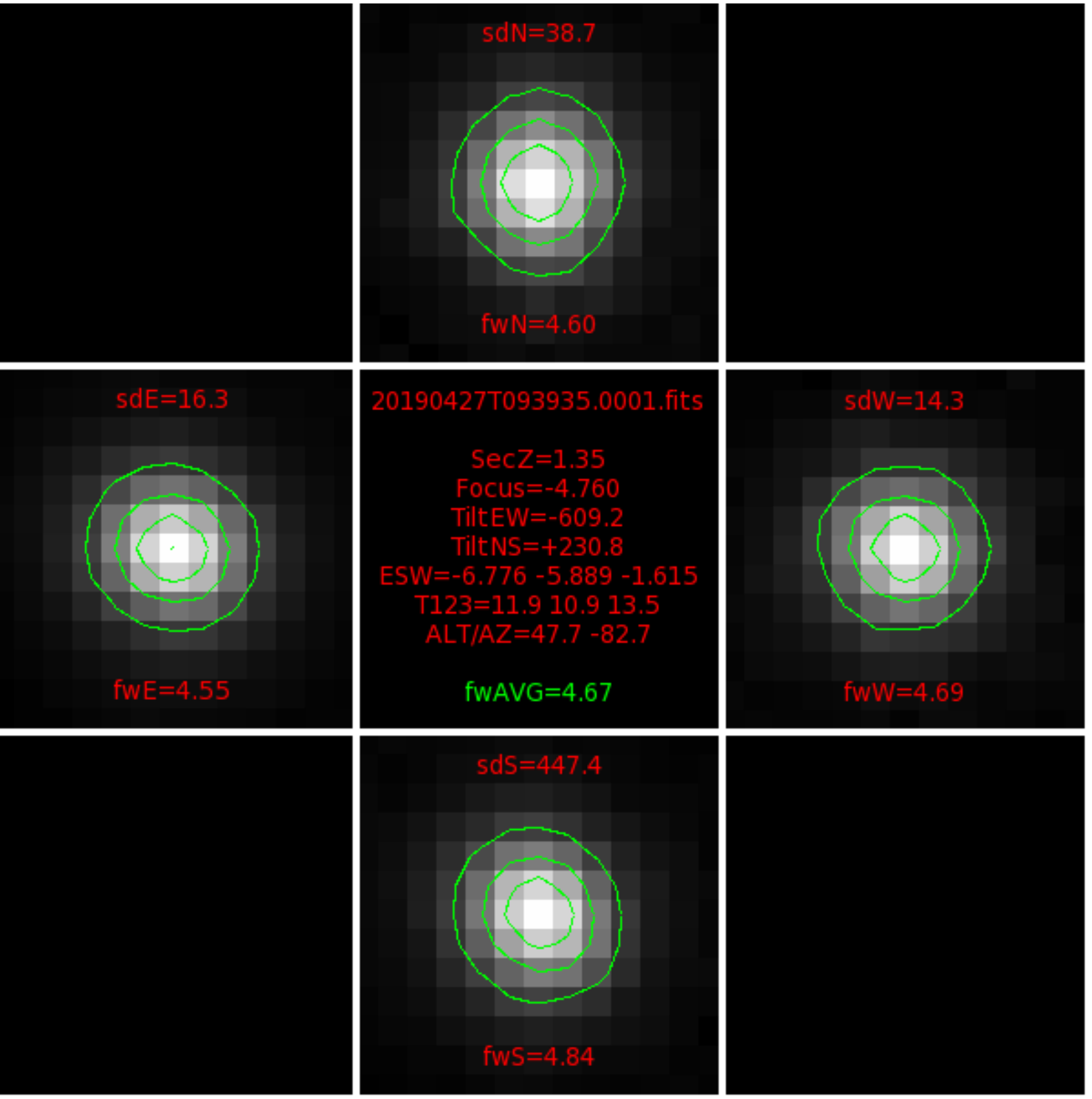
sdN=38.7
fwN=4.60
sdE=16.3
fwE=4.55
20190427T093935.0001.fits
SecZ=1.35
Focus=-4.760
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.776 -5.889 -1.615
T123=11.9 10.9 13.5
ALT/AZ=47.7 -82.7
fwAVG=4.67
sdW=14.3
fwW=4.69
sdS=447.4
fwS=4.84
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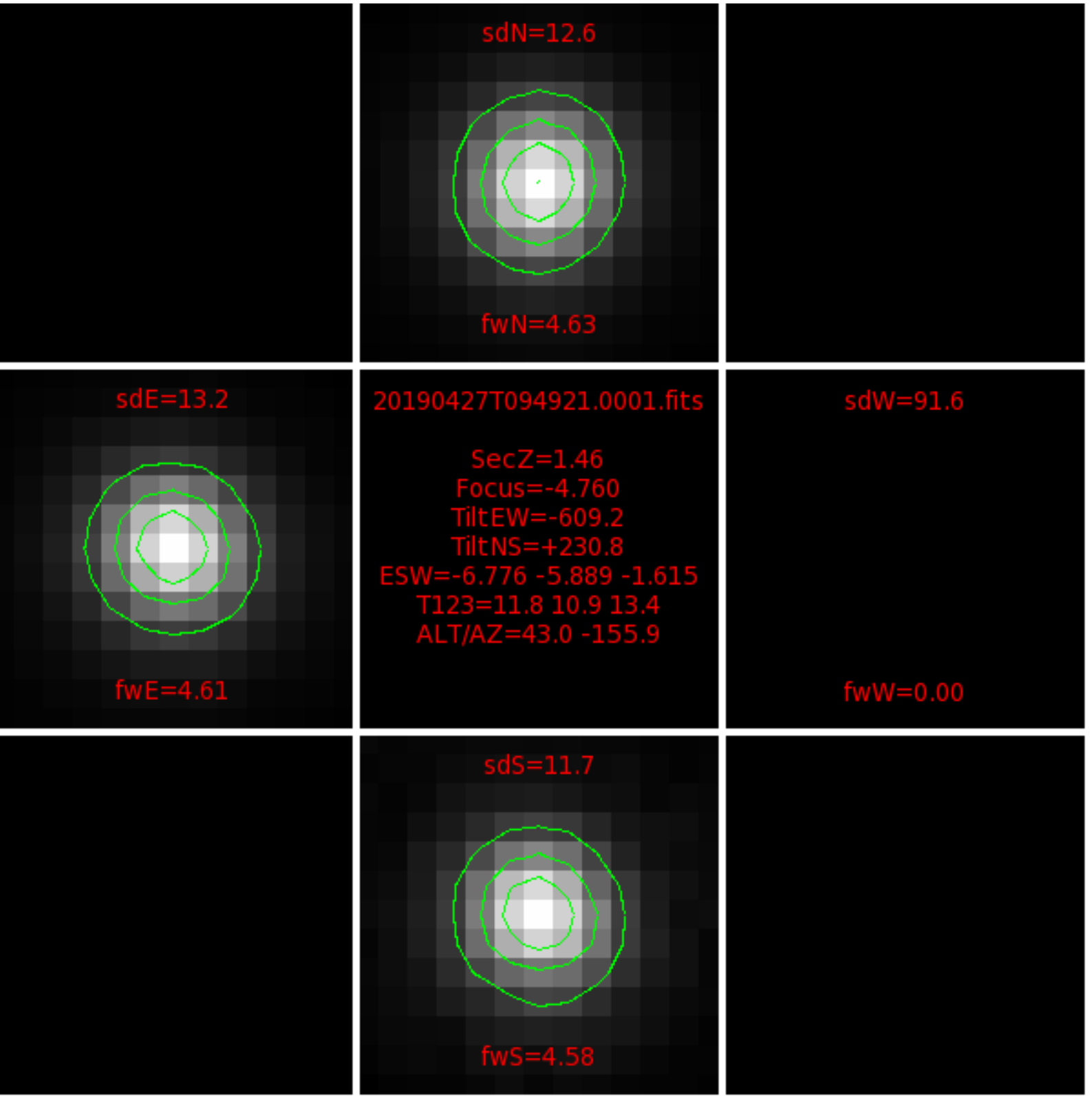
sdN=12.6
fwN=4.63
sdE=13.2
fwE=4.61
20190427T094921.0001.fits
SecZ=1.46
Focus=-4.760
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.776 -5.889 -1.615
T123=11.8 10.9 13.4
ALT/AZ=43.0 -155.9
sdW=91.6
fwW=0.00
sdS=11.7
fwS=4.58
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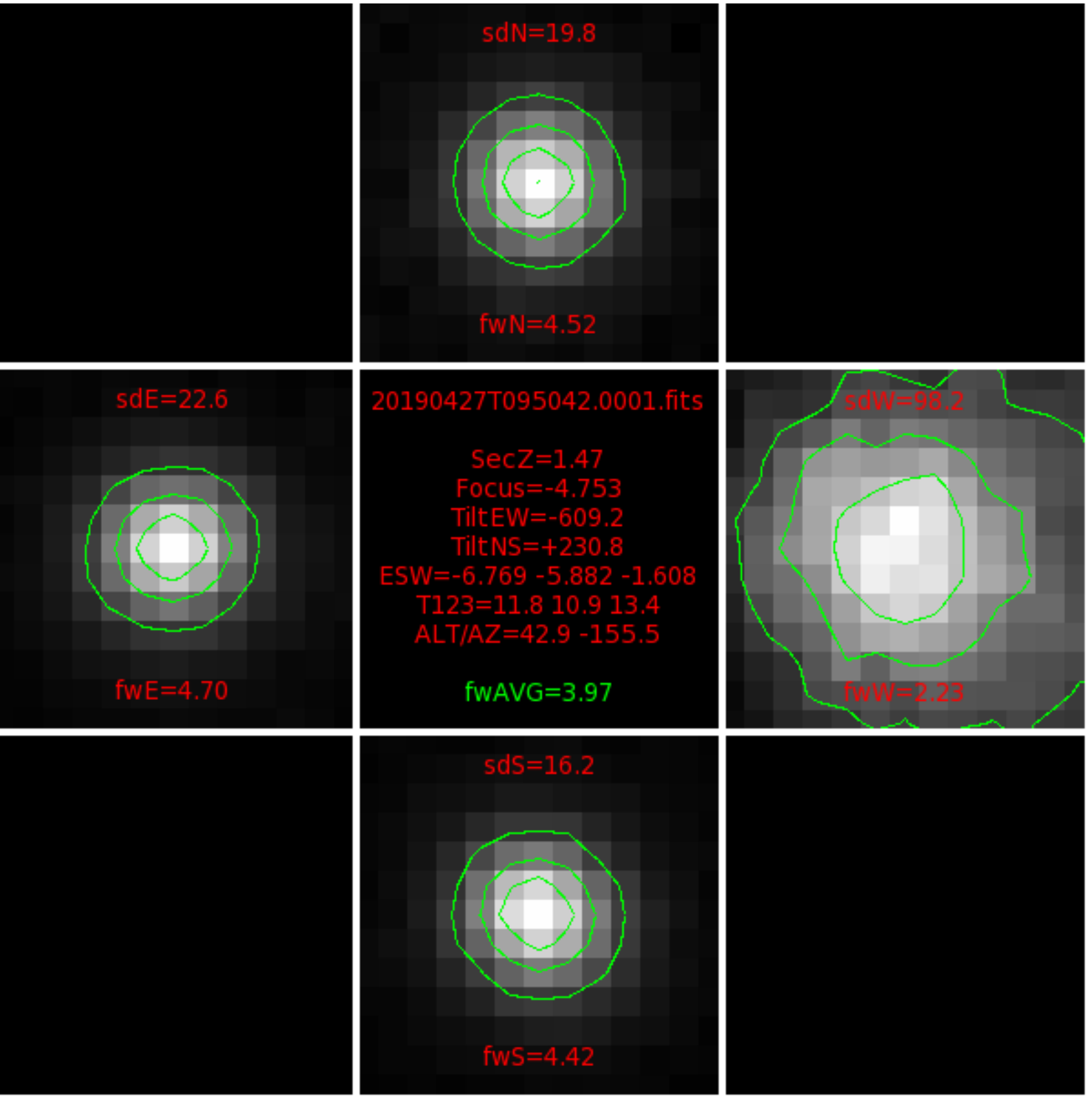
sdN=19.8
fwN=4.52
sdE=22.6
fwE=4.70
20190427T095042.0001.fits
SecZ=1.47
Focus=-4.753
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.769 -5.882 -1.608
T123=11.8 10.9 13.4
ALT/AZ=42.9 -155.5
fwAVG=3.97
sdW=98.2
fwW=2.23
sdS=16.2
fwS=4.42
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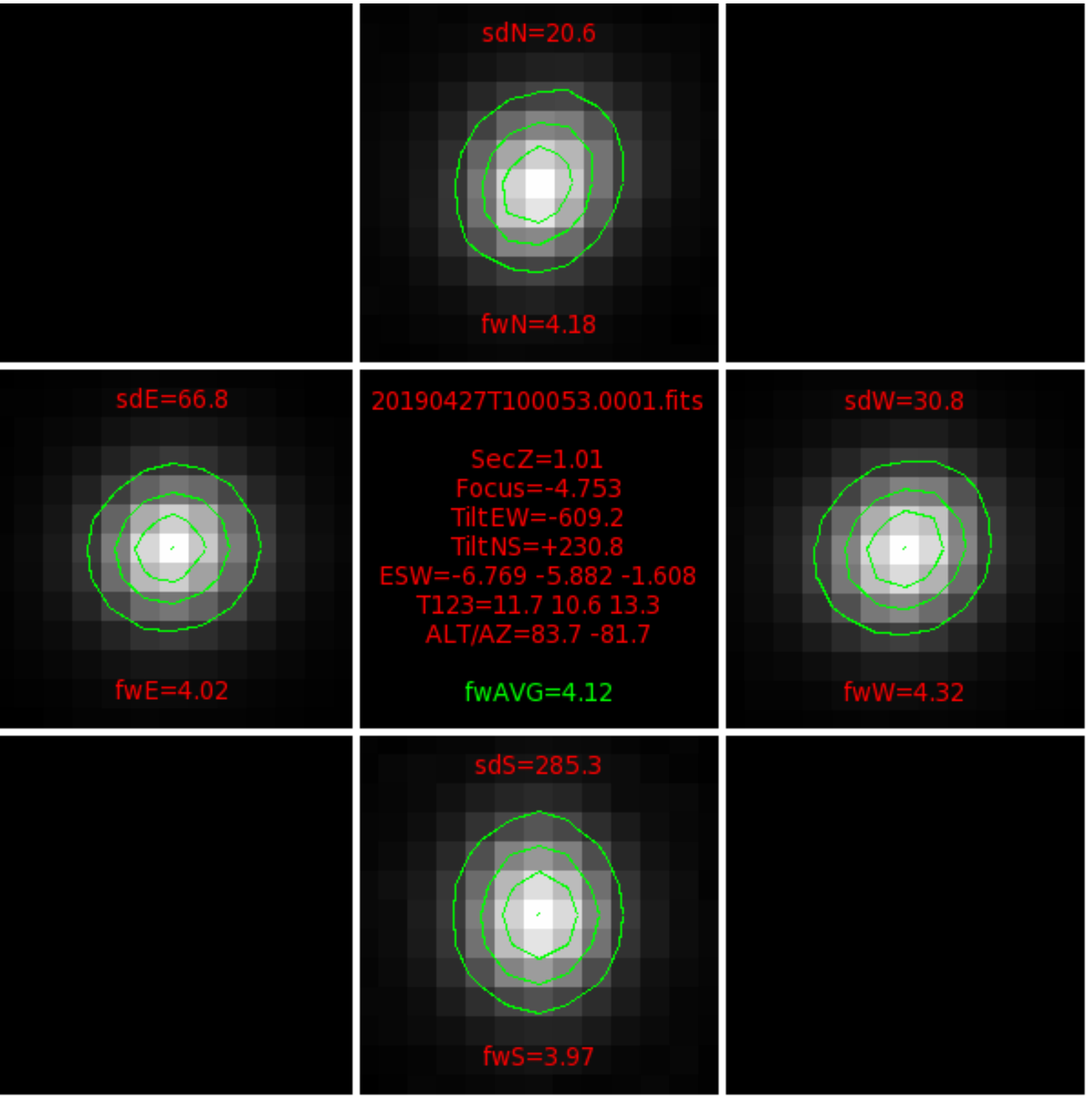
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fwN=4.18
sdE=66.8
fwE=4.02
20190427T100053.0001.fits
SecZ=1.01
Focus=-4.753
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.769 -5.882 -1.608
T123=11.7 10.6 13.3
ALT/AZ=83.7 -81.7
fwAVG=4.12
sdW=30.8
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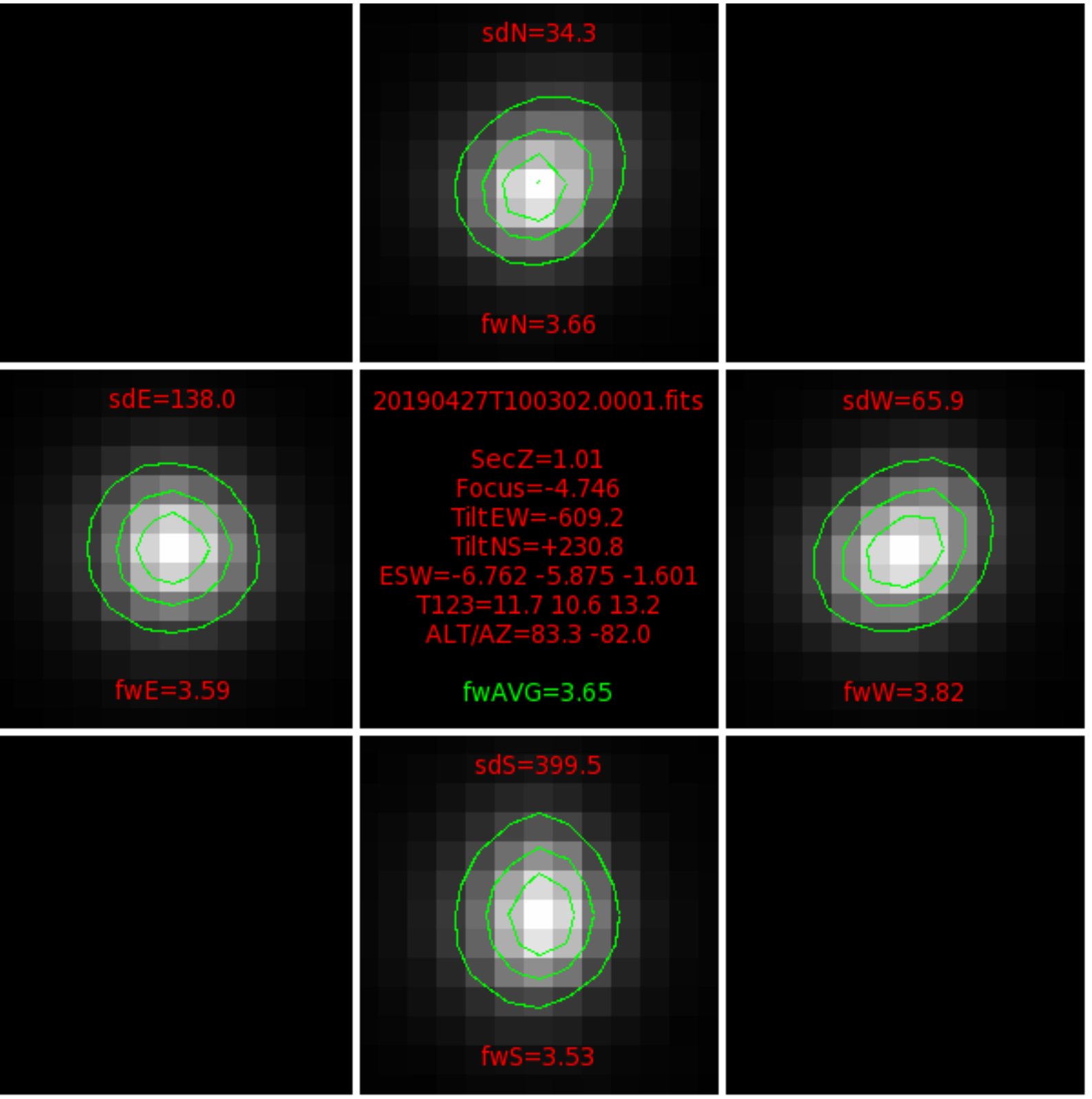
sdN=34.3
fwN=3.66
sdE=138.0
fwE=3.59
20190427T100302.0001.fits
SecZ=1.01
Focus=-4.746
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.762 -5.875 -1.601
T123=11.7 10.6 13.2
ALT/AZ=83.3 -82.0
fwAVG=3.65
sdW=65.9
fwW=3.82
sdS=399.5
fwS=3.53
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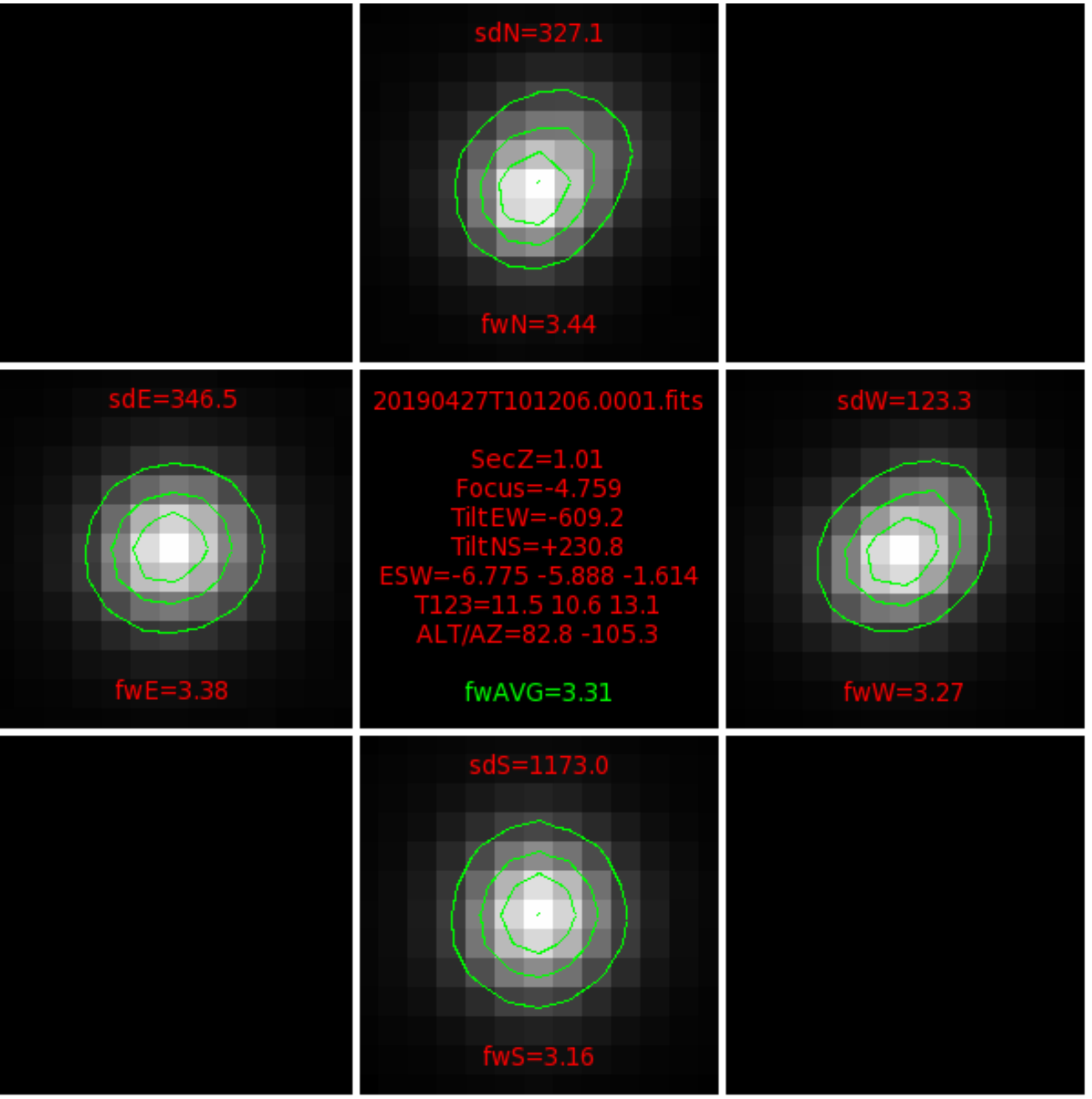
sdN=327.1
fwN=3.44
sdE=346.5
fwE=3.38
20190427T101206.0001.fits
SecZ=1.01
Focus=-4.759
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.775 -5.888 -1.614
T123=11.5 10.6 13.1
ALT/AZ=82.8 -105.3
fwAVG=3.31
sdW=123.3
fwW=3.27
sdS=1173.0
fwS=3.16
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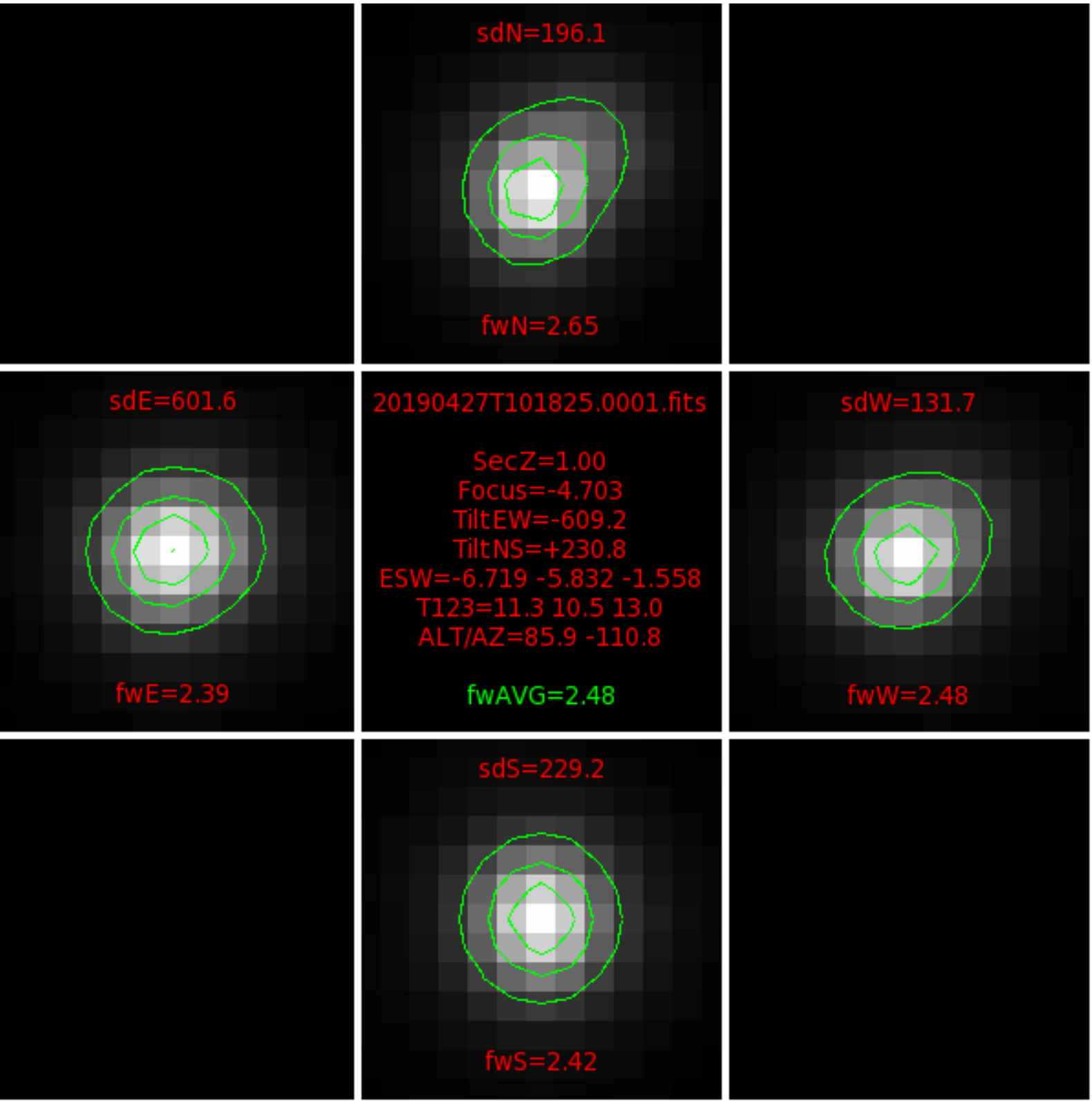
sdN=196.1
fwN=2.65
sdE=601.6
fwE=2.39
20190427T101825.0001.fits
SecZ=1.00
Focus=-4.703
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.719 -5.832 -1.558
T123=11.3 10.5 13.0
ALT/AZ=85.9 -110.8
fwAVG=2.48
sdW=131.7
fwW=2.48
sdS=229.2
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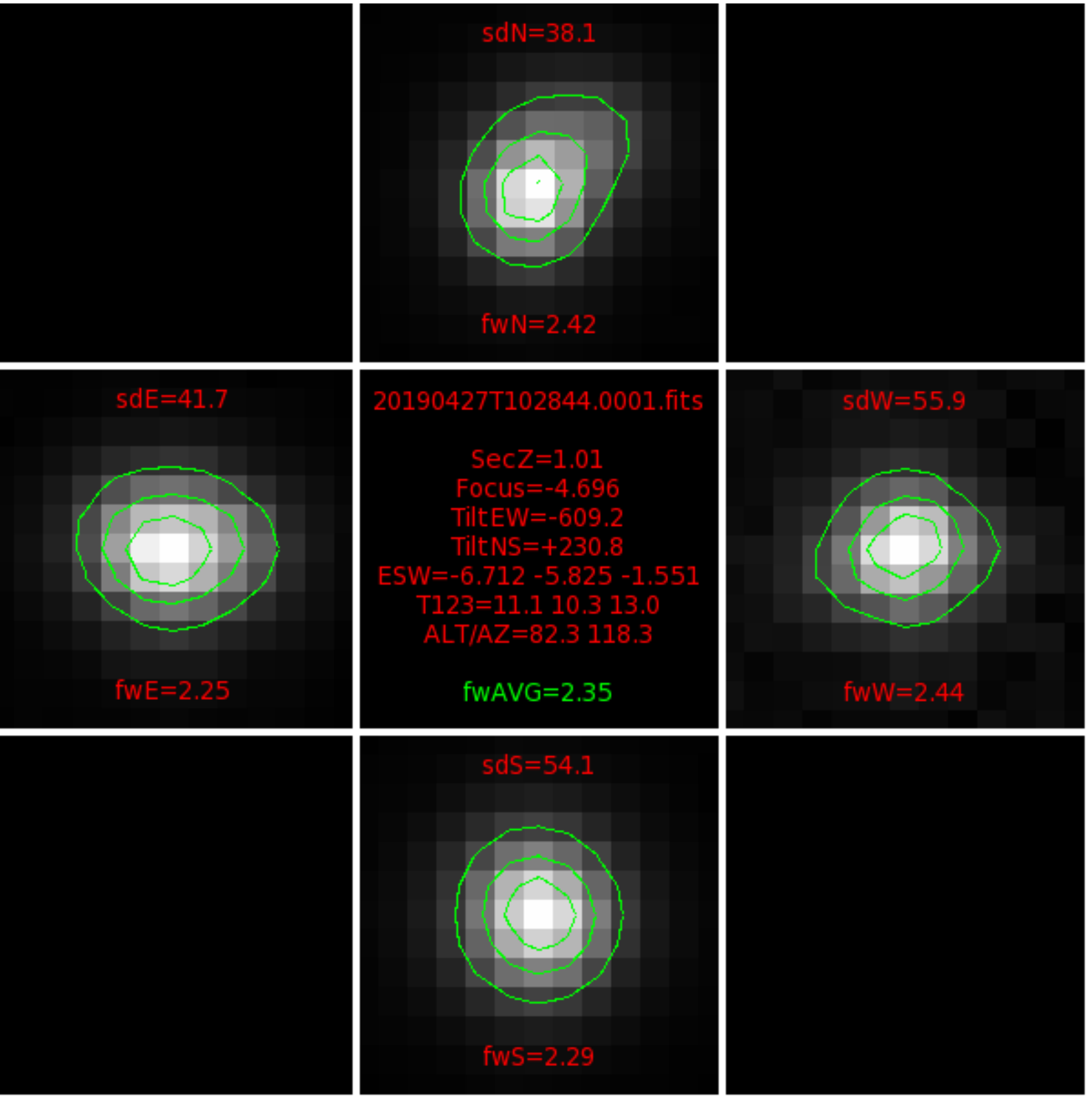
sdN=38.1
fwN=2.42
sdE=41.7
fwE=2.25
20190427T102844.0001.fits
SecZ=1.01
Focus=-4.696
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.712 -5.825 -1.551
T123=11.1 10.3 13.0
ALT/AZ=82.3 118.3
fwAVG=2.35
sdW=55.9
fwW=2.44
sdS=54.1
fwS=2.29
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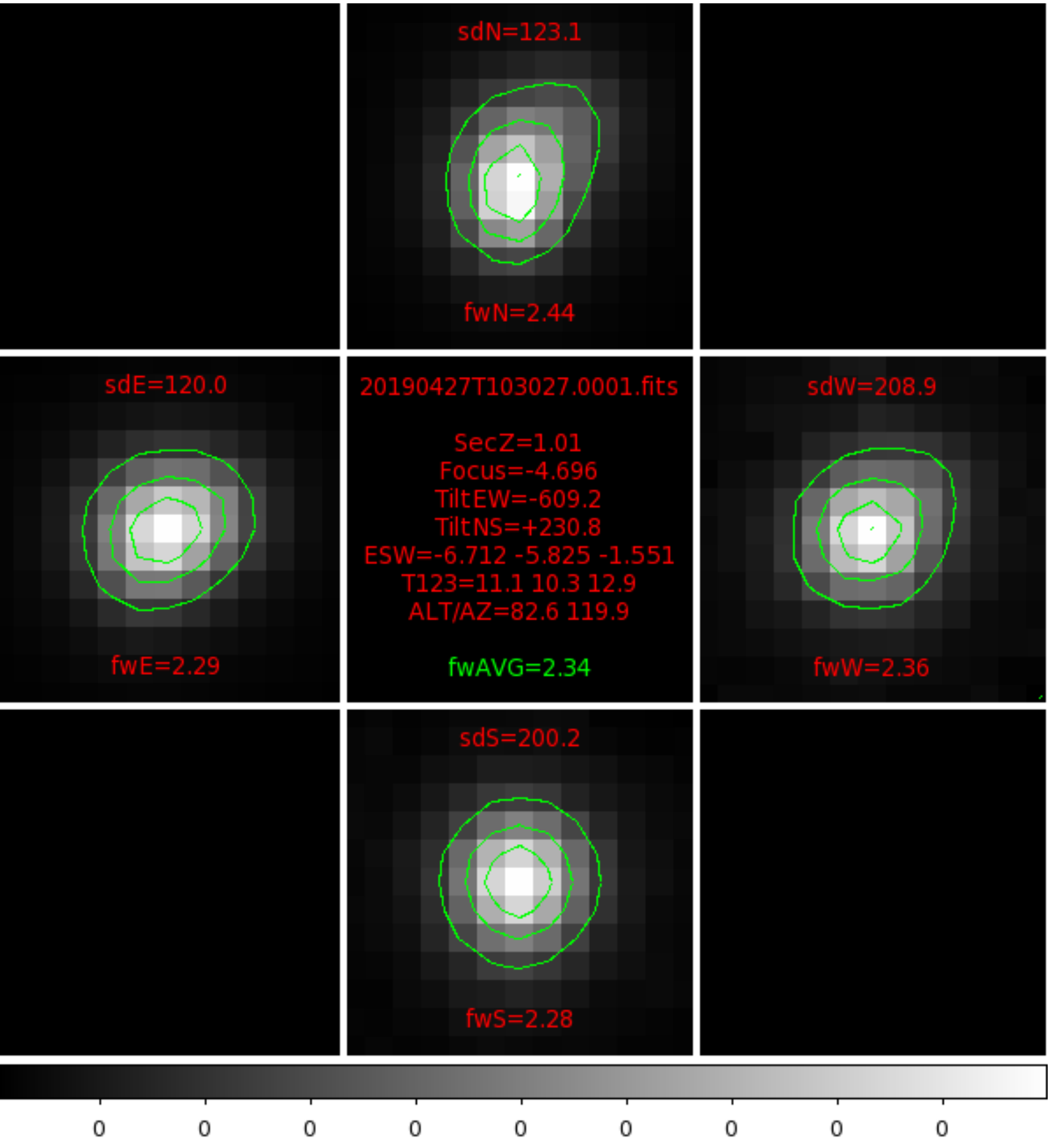
sdN=123.1
fwN=2.44
sdE=120.0
fwE=2.29
20190427T103027.0001.fits
SecZ=1.01
Focus=-4.696
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.712 -5.825 -1.551
T123=11.1 10.3 12.9
ALT/AZ=82.6 119.9
fwAVG=2.34
sdW=208.9
fwW=2.36
sdS=200.2
fwS=2.28
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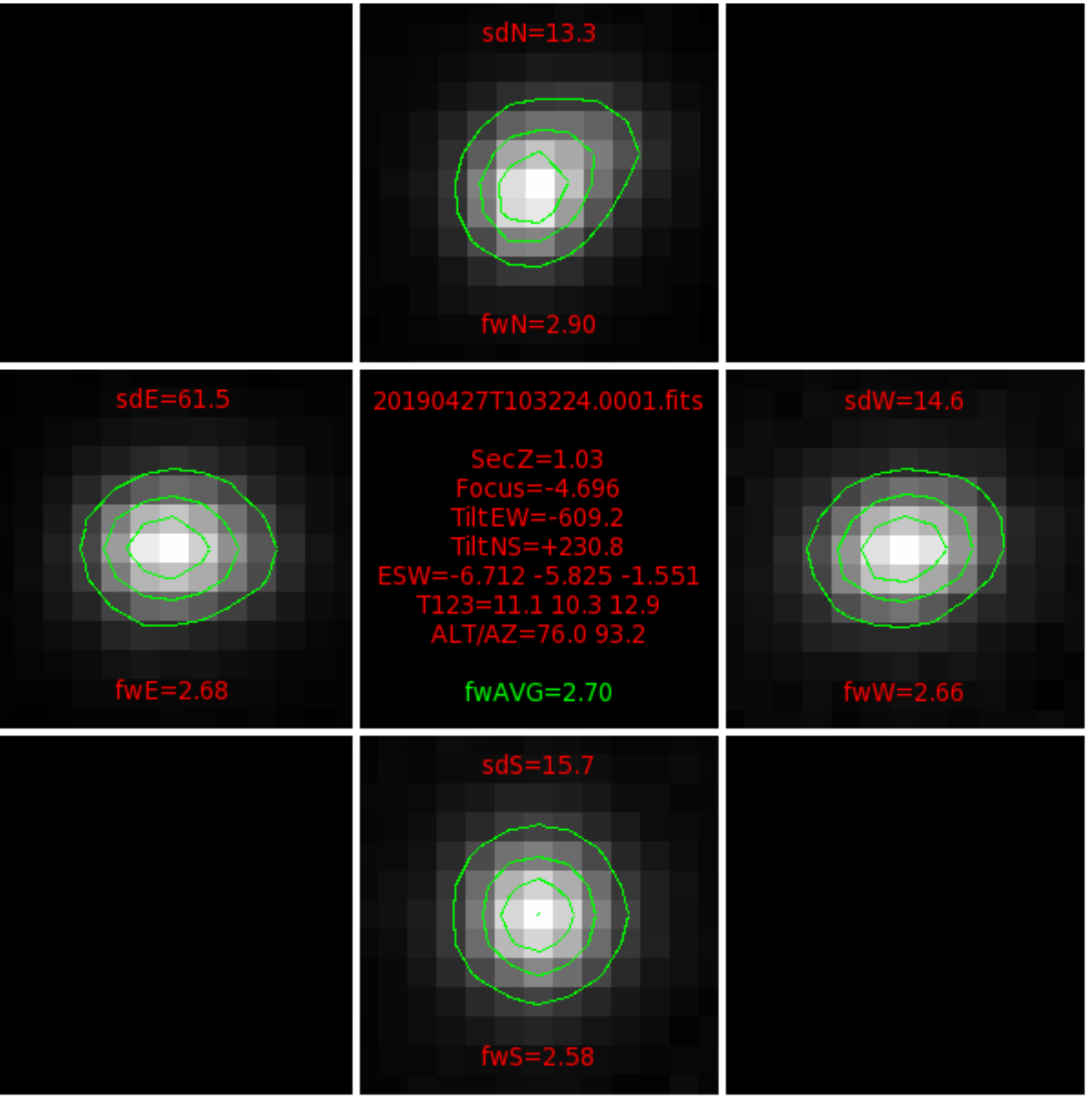
sdN=13.3
fwN=2.90
sdE=61.5
fwE=2.68
20190427T103224.0001.fits
SecZ=1.03
Focus=-4.696
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.712 -5.825 -1.551
T123=11.1 10.3 12.9
ALT/AZ=76.0 93.2
fwAVG=2.70
sdW=14.6
fwW=2.66
sdS=15.7
fwS=2.58
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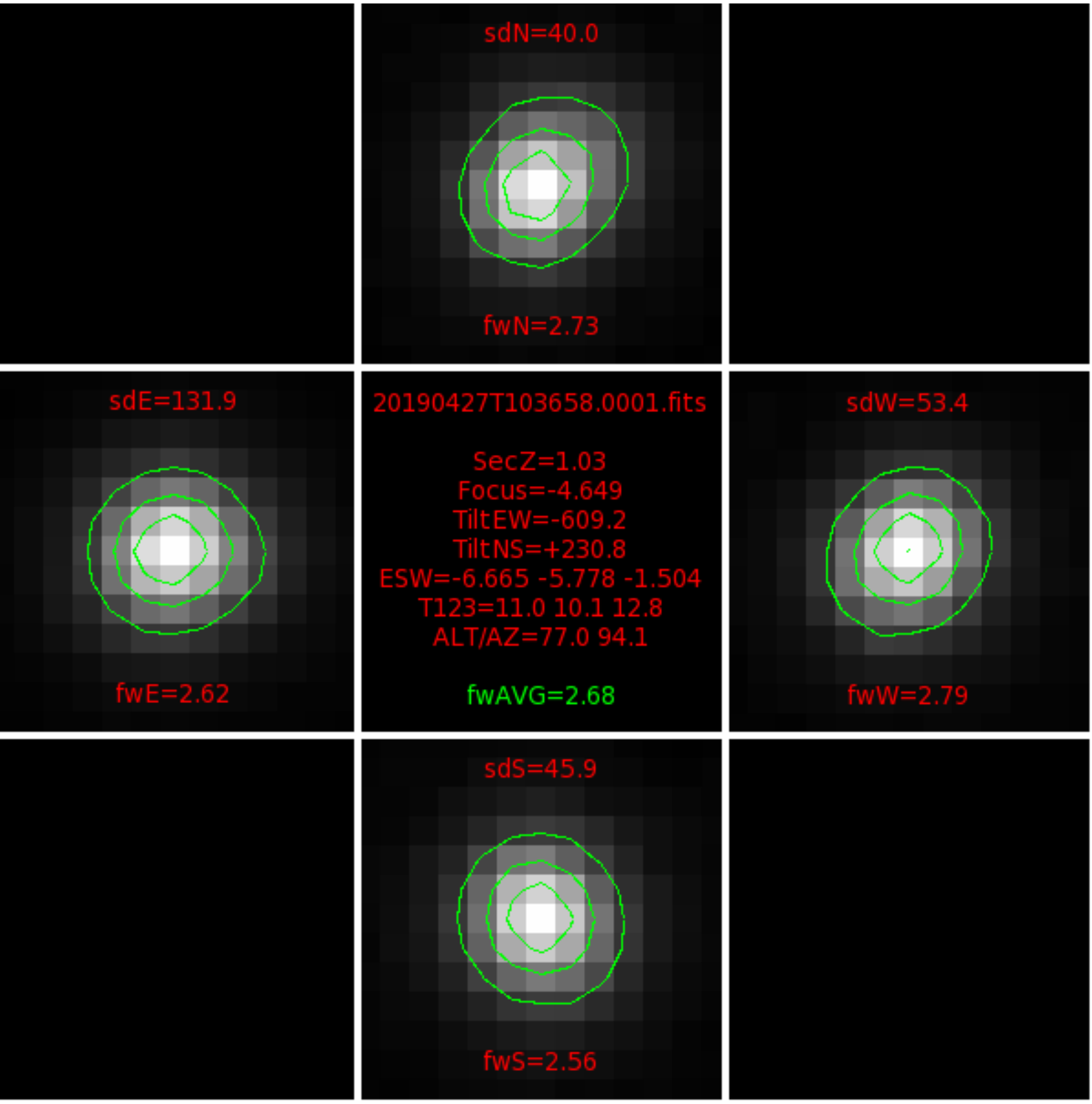
sdN=40.0
fwN=2.73
sdE=131.9
fwE=2.62
20190427T103658.0001.fits
SecZ=1.03
Focus=-4.649
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.665 -5.778 -1.504
T123=11.0 10.1 12.8
ALT/AZ=77.0 94.1
fwAVG=2.68
sdW=53.4
fwW=2.79
sdS=45.9
fwS=2.56
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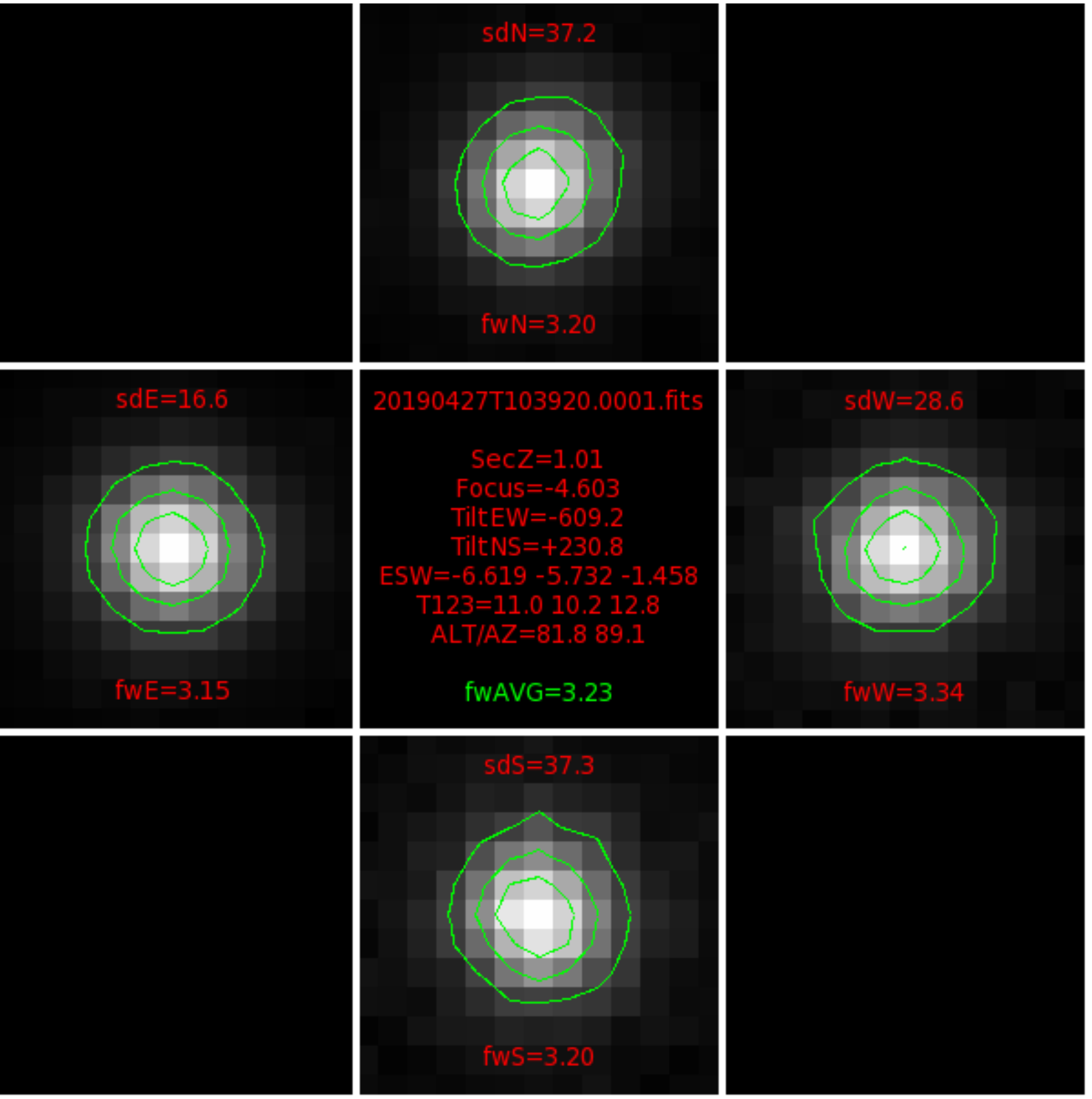
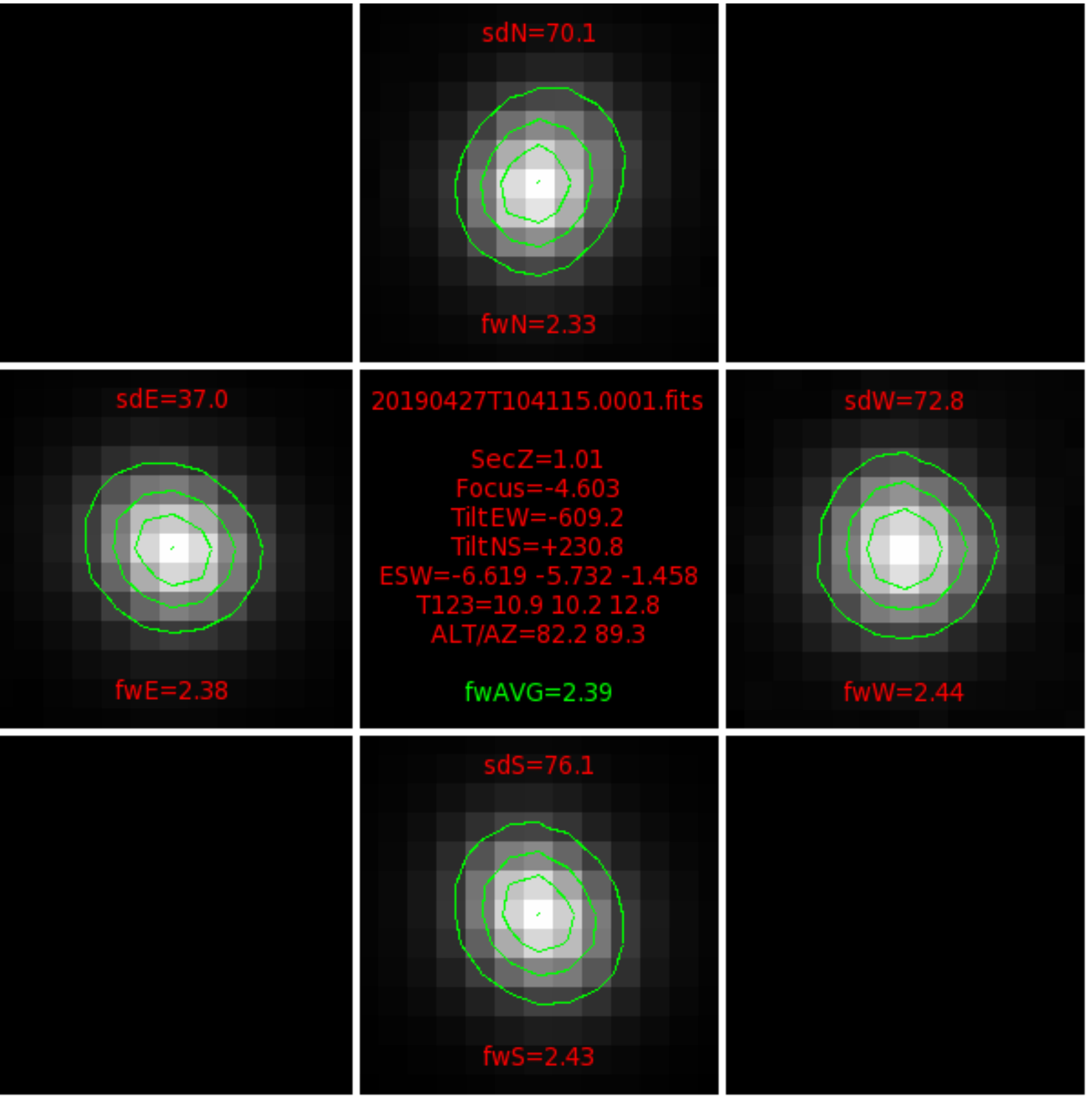

sdN=37.2
fwN=3.20
sdE=16.6
fwE=3.15
20190427T103920.0001.fits
SecZ=1.01
Focus=-4.603
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.619 -5.732 -1.458
T123=11.0 10.2 12.8
ALT/AZ=81.8 89.1
fwAVG=3.23
sdW=28.6
fwW=3.34
sdS=37.3
fwS=3.20
0 0 0 0 0 0 0 0 0


sdN=70.1
fwN=2.33
sdE=37.0
fwE=2.38
20190427T104115.0001.fits
SecZ=1.01
Focus=-4.603
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.619 -5.732 -1.458
T123=10.9 10.2 12.8
ALT/AZ=82.2 89.3
fwAVG=2.39
sdW=72.8
fwW=2.44
sdS=76.1
fwS=2.43
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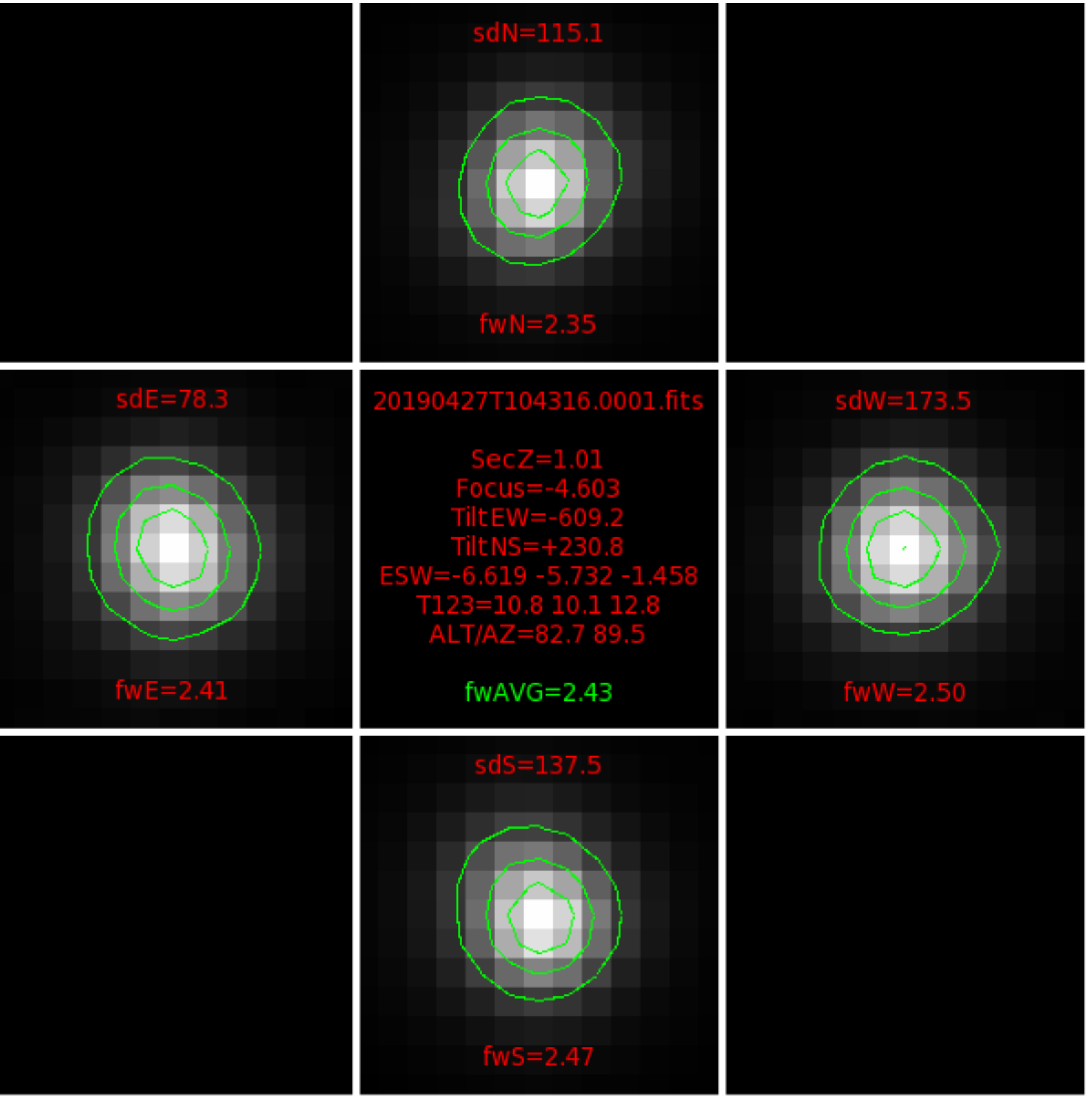
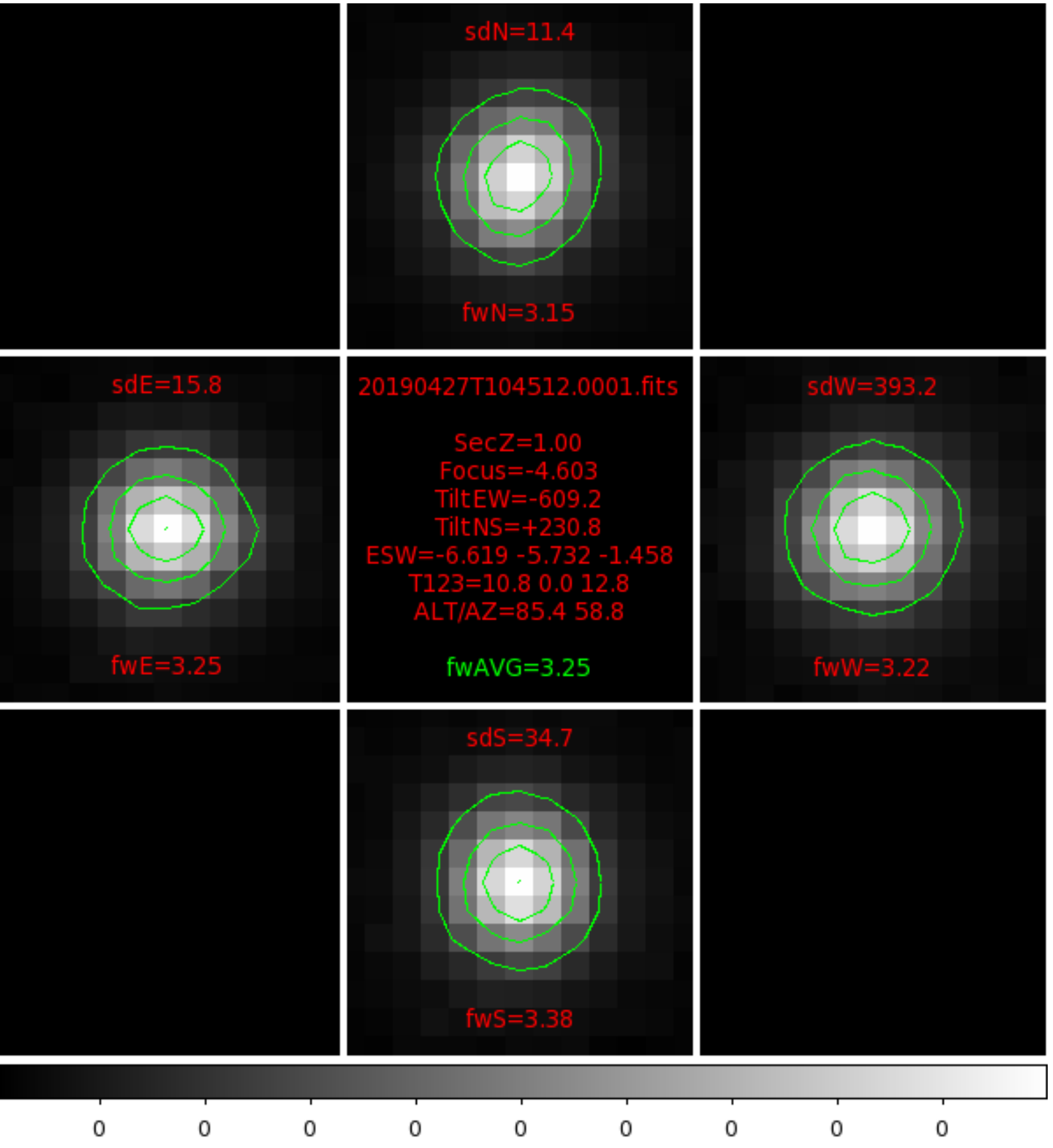
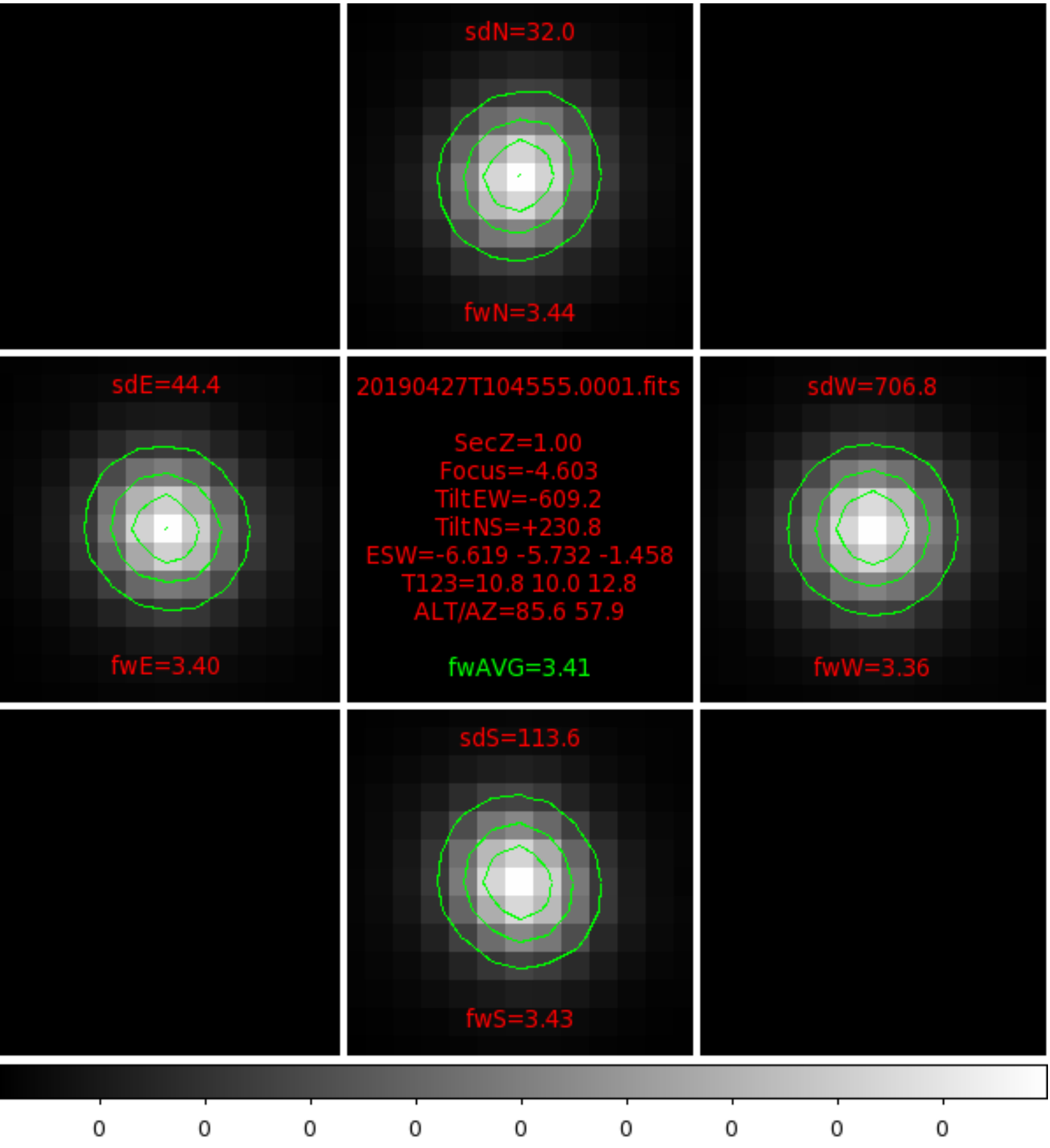
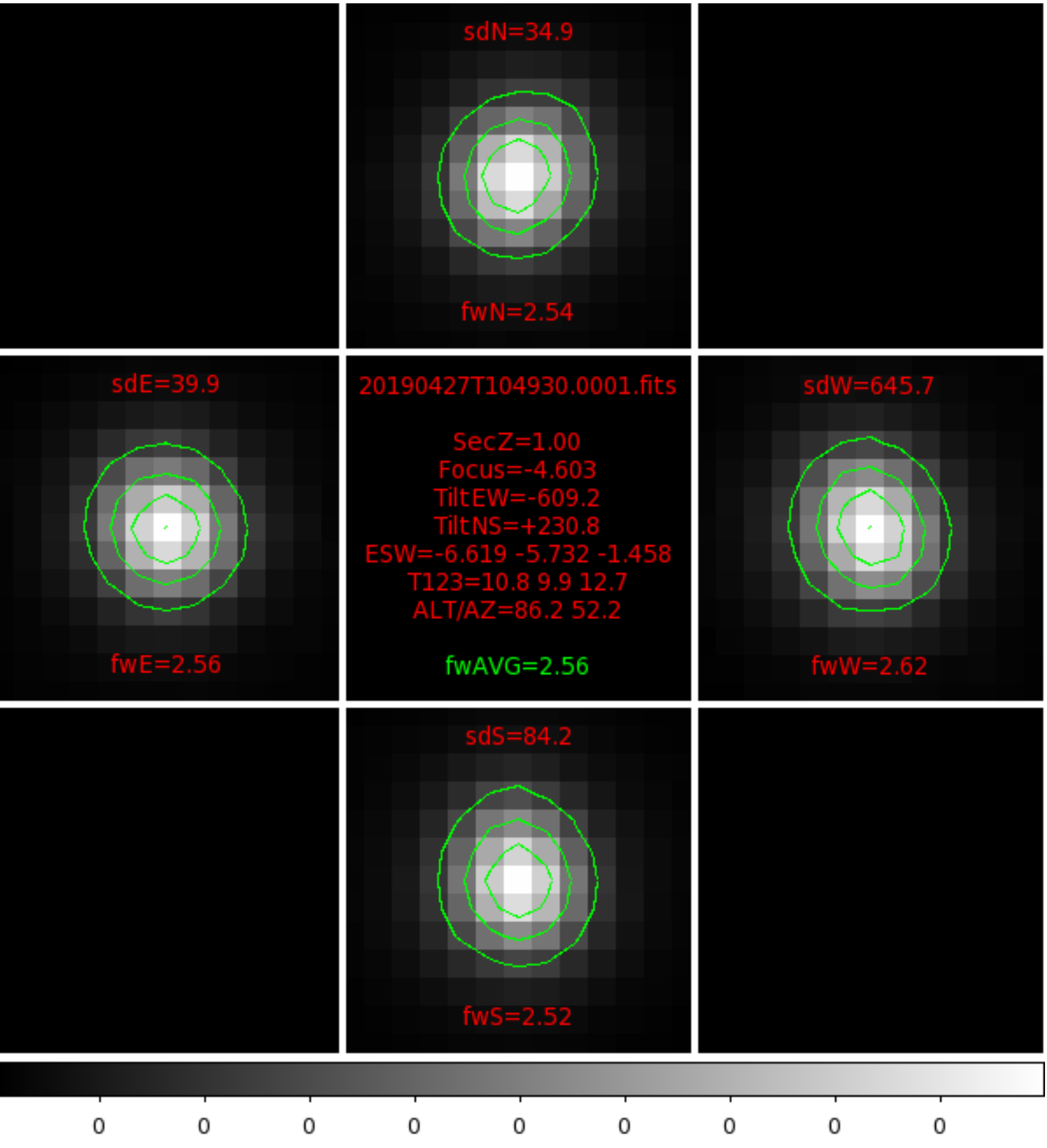
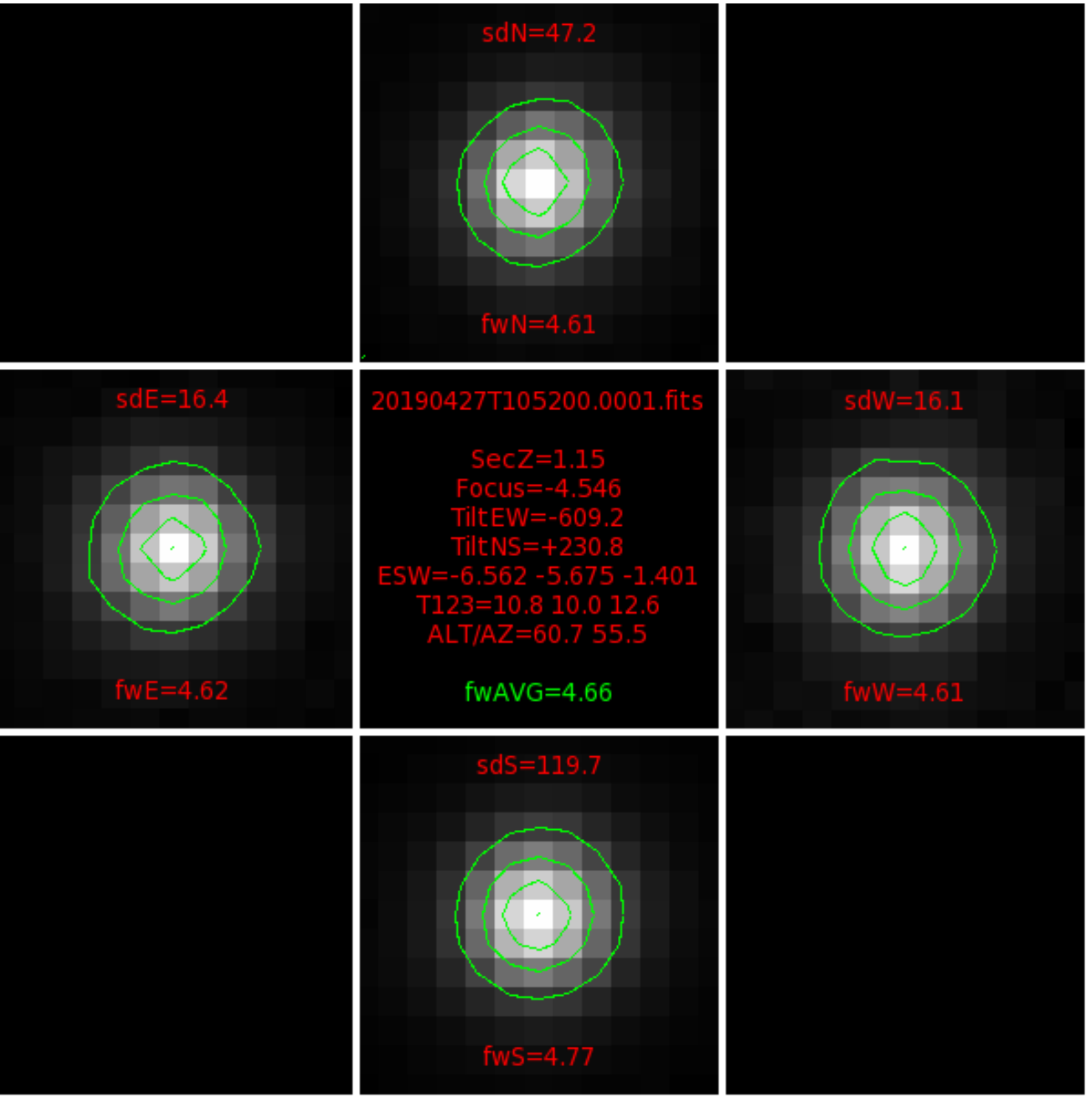
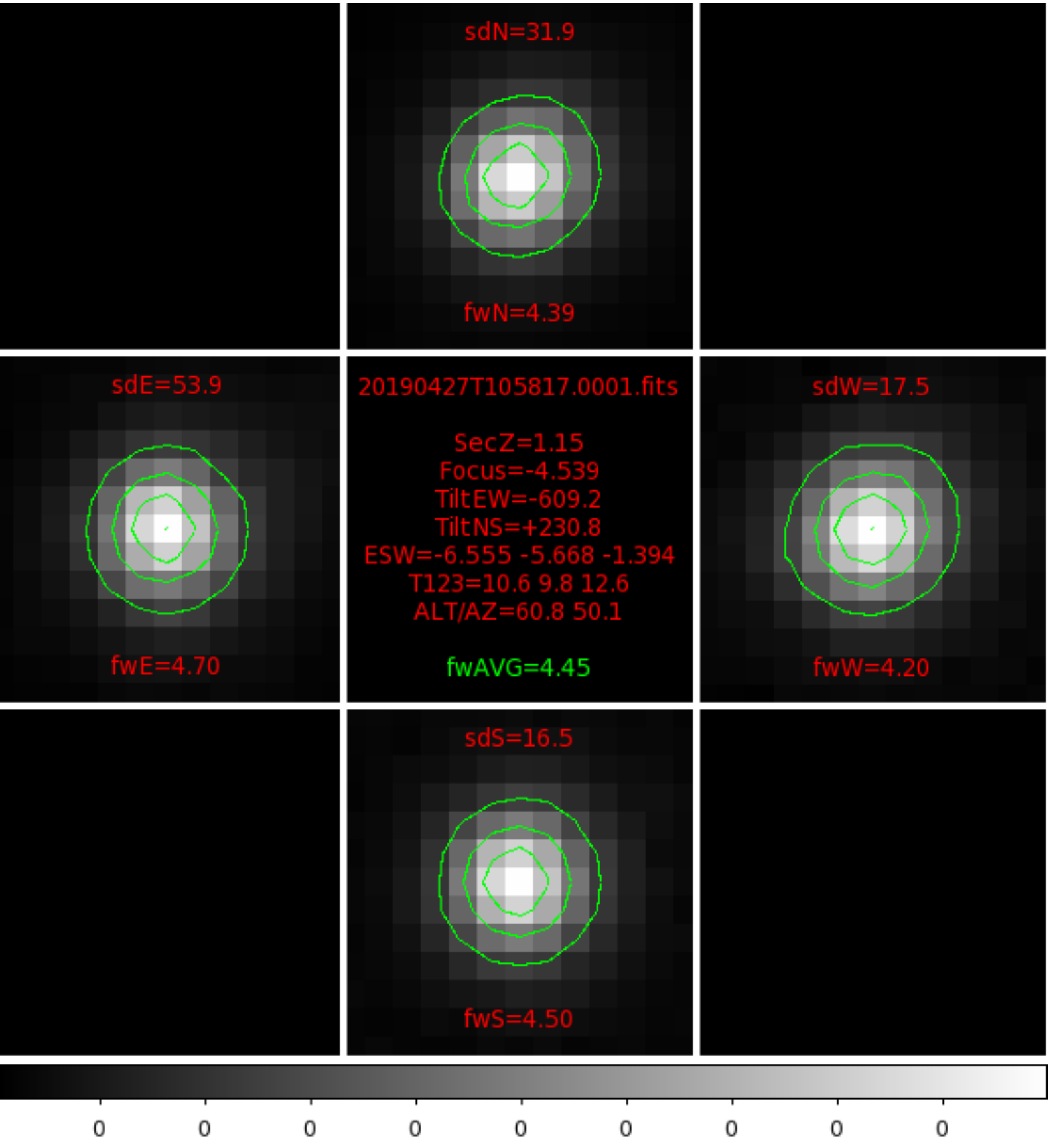

sdN=115.1
fwN=2.35
sdE=78.3
fwE=2.41
20190427T104316.0001.fits
SecZ=1.01
Focus=-4.603
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.619 -5.732 -1.458
T123=10.8 10.1 12.8
ALT/AZ=82.7 89.5
fwAVG=2.43
sdW=173.5
fwW=2.50
sdS=137.5
fwS=2.47
0 0 0 0 0 0 0 0 0

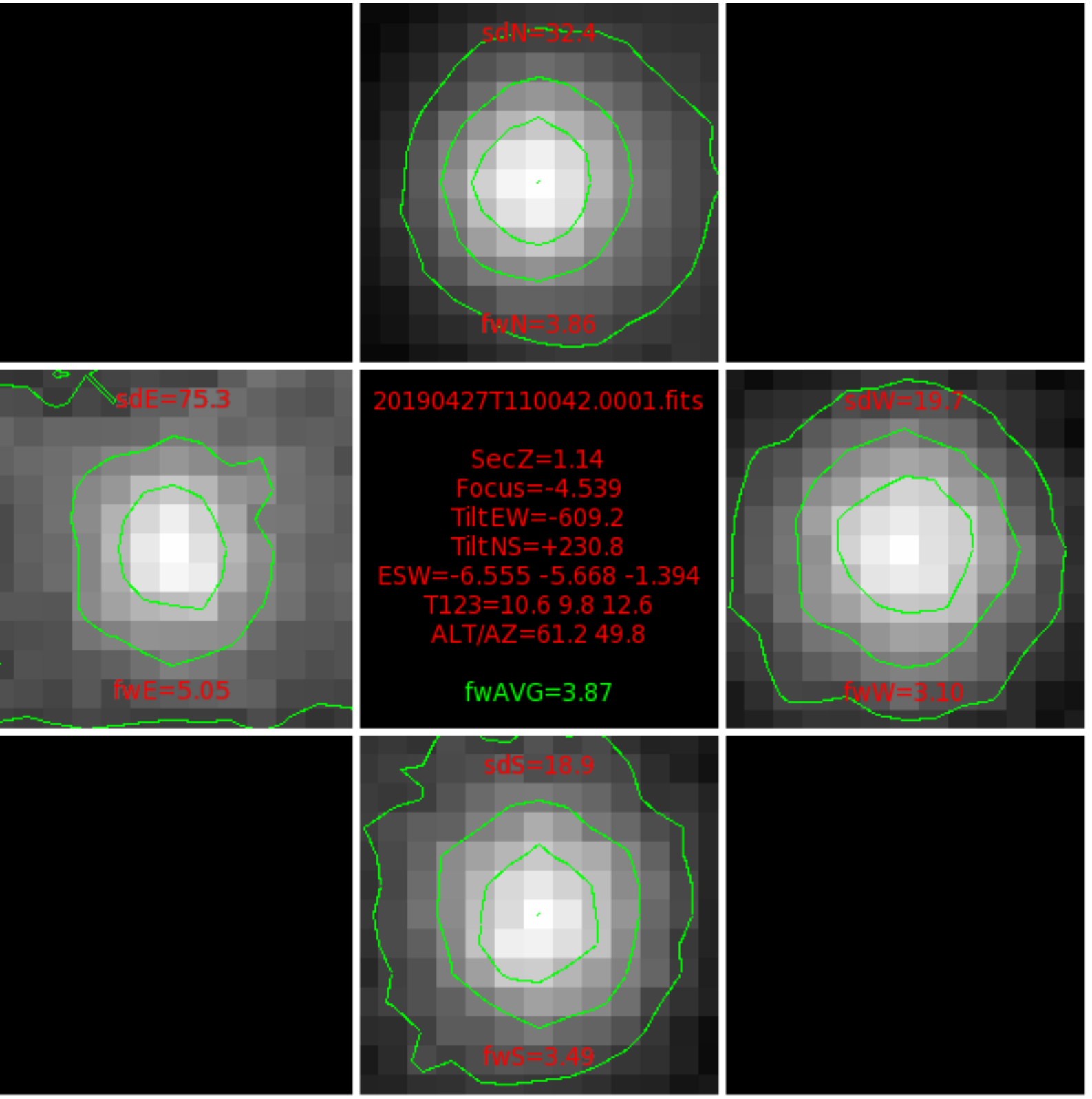

sdN=11.4
fwN=3.15
sdE=15.8
fwE=3.25
20190427T104512.0001.fits
SecZ=1.00
Focus=-4.603
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.619 -5.732 -1.458
T123=10.8 0.0 12.8
ALT/AZ=85.4 58.8
fwAVG=3.25
sdW=393.2
fwW=3.22
sdS=34.7
fwS=3.38
0 0 0 0 0 0 0 0 0

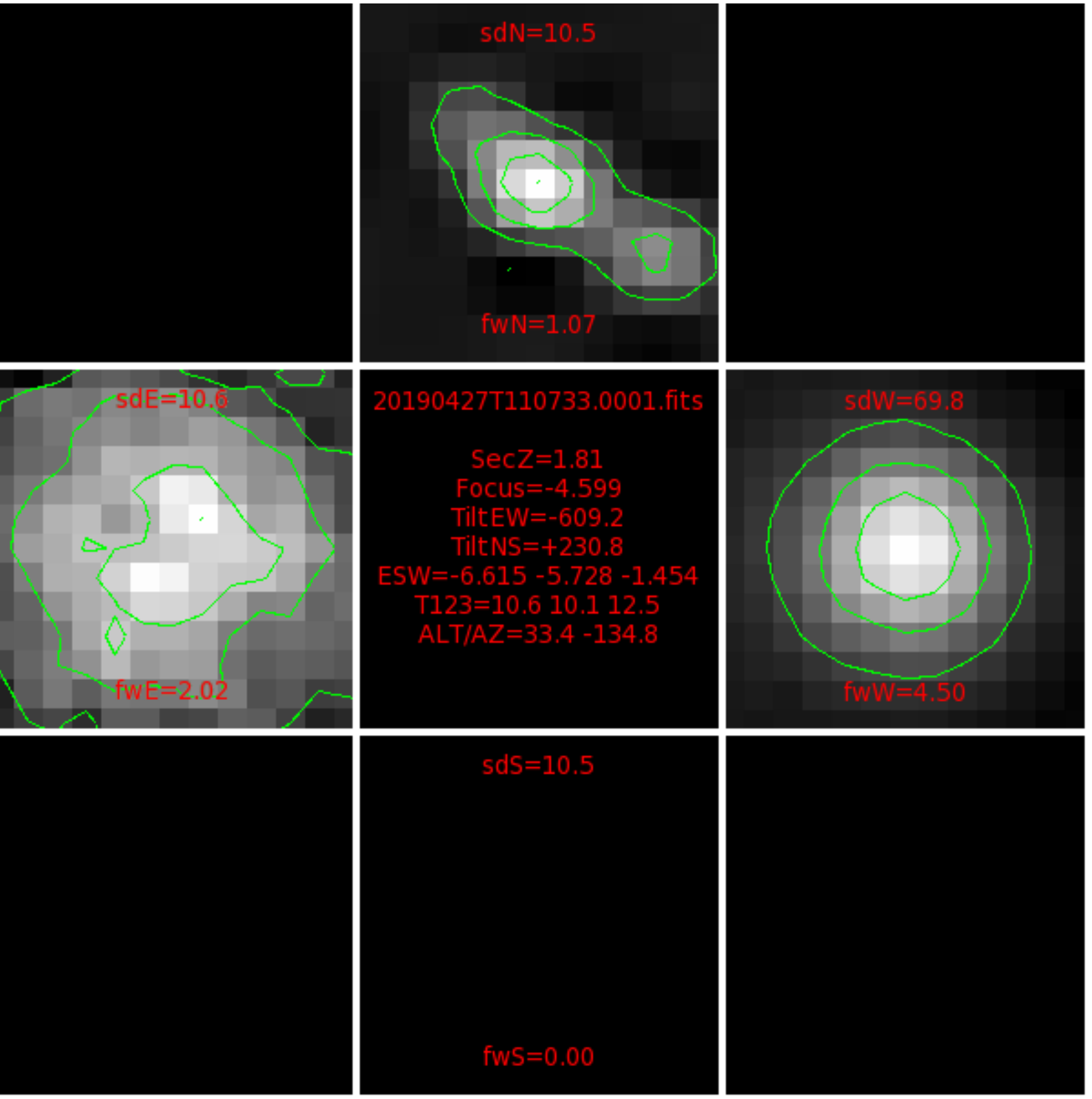

sdN=32.0
fwN=3.44
sdE=44.4
fwE=3.40
20190427T104555.0001.fits
SecZ=1.00
Focus=-4.603
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.619 -5.732 -1.458
T123=10.8 10.0 12.8
ALT/AZ=85.6 57.9
fwAVG=3.41
sdW=706.8
fwW=3.36
sdS=113.6
fwS=3.43
0 0 0 0 0 0 0 0 0

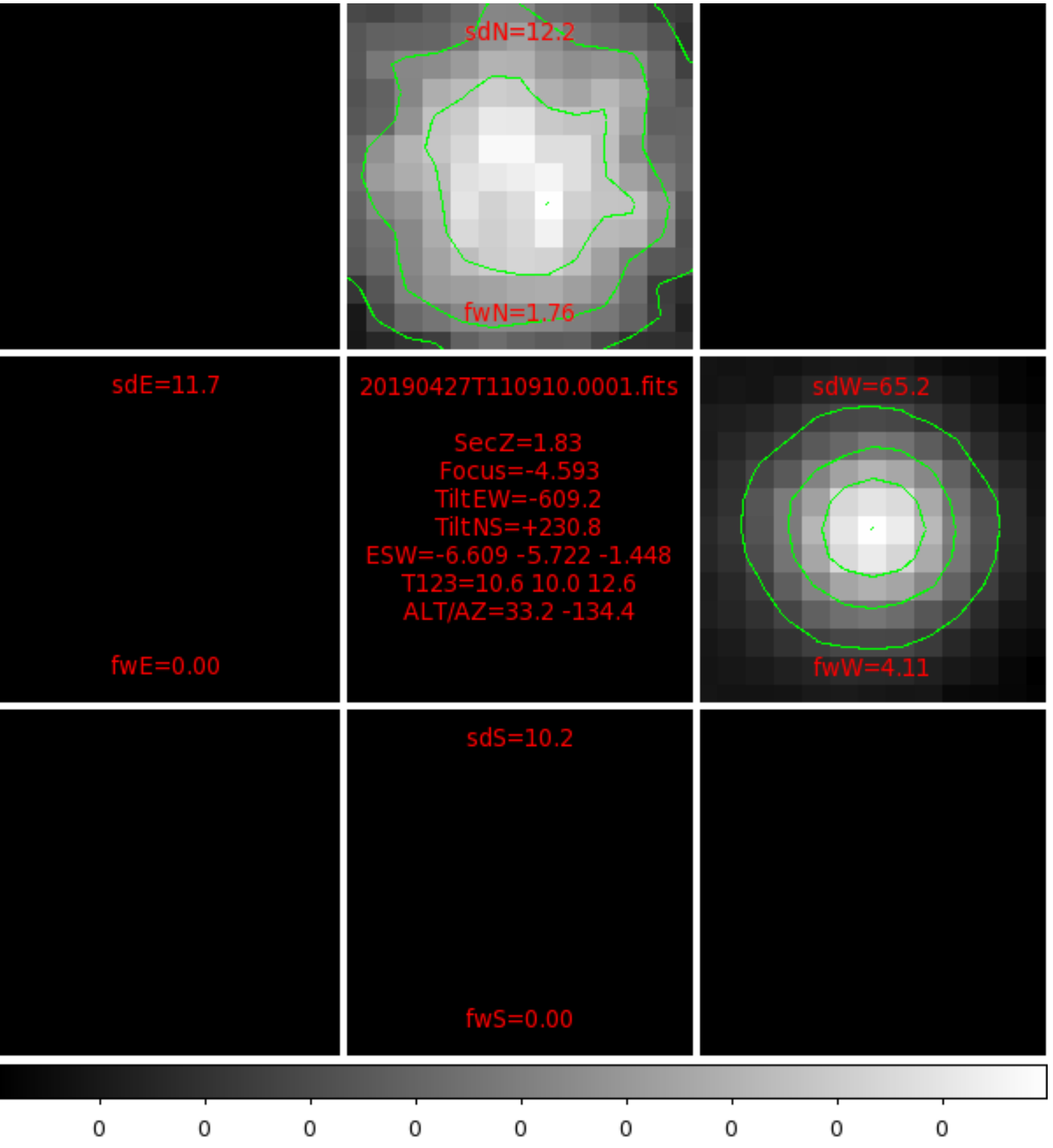

sdN=34.9
fwN=2.54
sdE=39.9
fwE=2.56
20190427T104930.0001.fits
SecZ=1.00
Focus=-4.603
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.619 -5.732 -1.458
T123=10.8 9.9 12.7
ALT/AZ=86.2 52.2
fwAVG=2.56
sdW=645.7
fwW=2.62
sdS=84.2
fwS=2.52
0 0 0 0 0 0 0 0 0

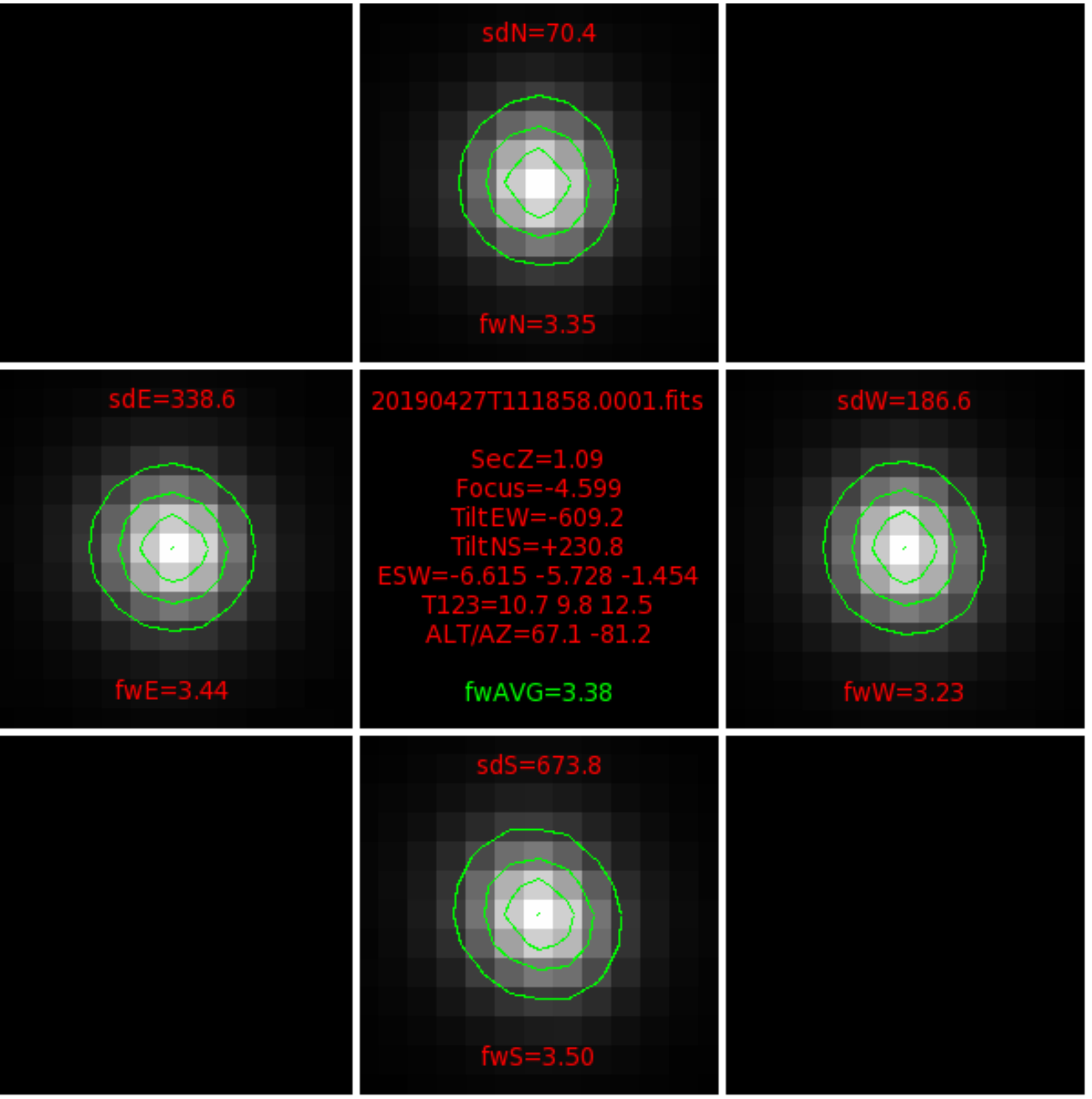

sdN=47.2
fwN=4.61
sdE=16.4
fwE=4.62
20190427T105200.0001.fits
SecZ=1.15
Focus=-4.546
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.562 -5.675 -1.401
T123=10.8 10.0 12.6
ALT/AZ=60.7 55.5
fwAVG=4.66
sdW=16.1
fwW=4.61
sdS=119.7
fwS=4.77
0 0 0 0 0 0 0 0 0


sdN=31.9
fwN=4.39
sdE=53.9
fwE=4.70
20190427T105817.0001.fits
SecZ=1.15
Focus=-4.539
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.555 -5.668 -1.394
T123=10.6 9.8 12.6
ALT/AZ=60.8 50.1
fwAVG=4.45
sdW=17.5
fwW=4.20
sdS=16.5
fwS=4.50
0 0 0 0 0 0 0 0 0


sdN=32.4
fwN=3.86
sdE=75.3
fwE=5.05
20190427T110042.0001.fits
SecZ=1.14
Focus=-4.539
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.555 -5.668 -1.394
T123=10.6 9.8 12.6
ALT/AZ=61.2 49.8
fwAVG=3.87
sdW=19.7
fwW=3.10
sdS=18.9
fwS=3.49
0 0 0 0 0 0 0 0 0


sdN=10.5
fwN=1.07
sdE=10.6
fwE=2.02
20190427T110733.0001.fits
SecZ=1.81
Focus=-4.599
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.615 -5.728 -1.454
T123=10.6 10.1 12.5
ALT/AZ=33.4 -134.8
sdW=69.8
fwW=4.50
sdS=10.5
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=12.2
fwN=1.76
sdE=11.7
fwE=0.00
20190427T110910.0001.fits
SecZ=1.83
Focus=-4.593
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.609 -5.722 -1.448
T123=10.6 10.0 12.6
ALT/AZ=33.2 -134.4
sdW=65.2
fwW=4.11
sdS=10.2
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=70.4
fwN=3.35
sdE=338.6
fwE=3.44
20190427T111858.0001.fits
SecZ=1.09
Focus=-4.599
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.615 -5.728 -1.454
T123=10.7 9.8 12.5
ALT/AZ=67.1 -81.2
fwAVG=3.38
sdW=186.6
fwW=3.23
sdS=673.8
fwS=3.50
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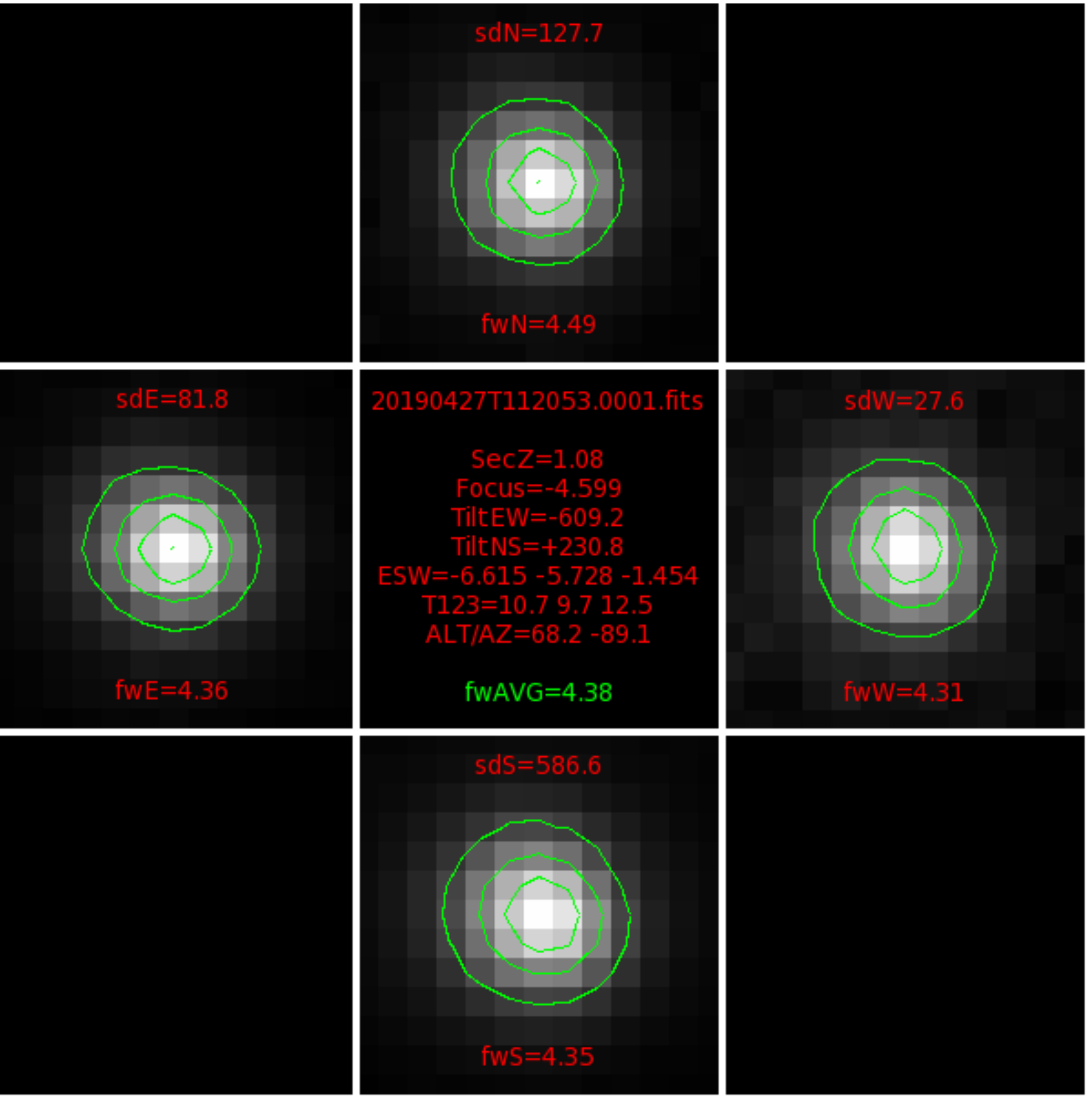
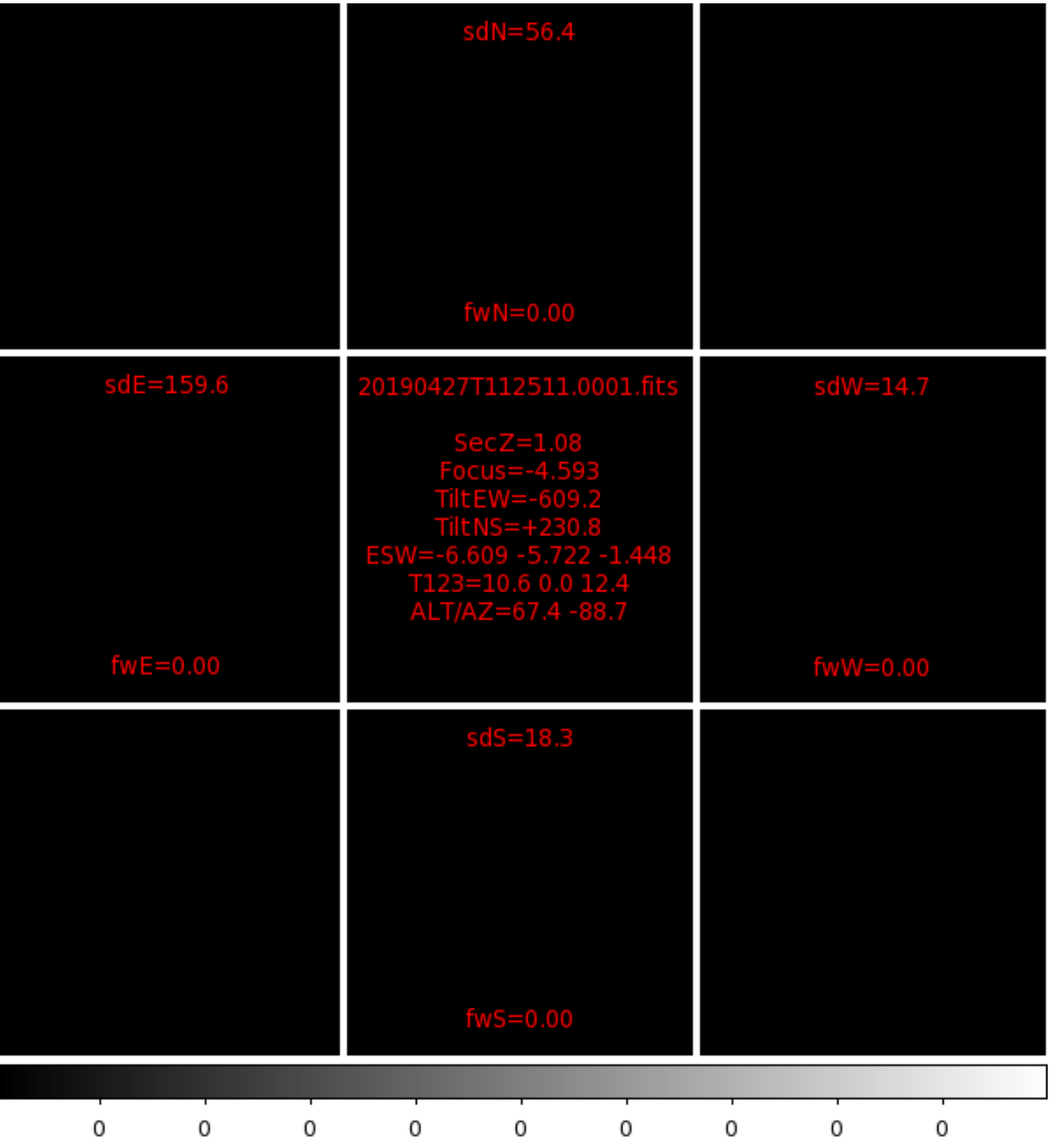

sdN=127.7
fwN=4.49
sdE=81.8
fwE=4.36
20190427T112053.0001.fits
SecZ=1.08
Focus=-4.599
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.615 -5.728 -1.454
T123=10.7 9.7 12.5
ALT/AZ=68.2 -89.1
fwAVG=4.38
sdW=27.6
fwW=4.31
sdS=586.6
fwS=4.35
0 0 0 0 0 0 0 0 0


sdN=56.4
fwN=0.00
sdE=159.6
20190427T112511.0001.fits
SecZ=1.08
Focus=-4.593
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.609 -5.722 -1.448
T123=10.6 0.0 12.4
ALT/AZ=67.4 -88.7
sdW=14.7
fwE=0.00
fwW=0.00
sdS=18.3
fwS=0.00
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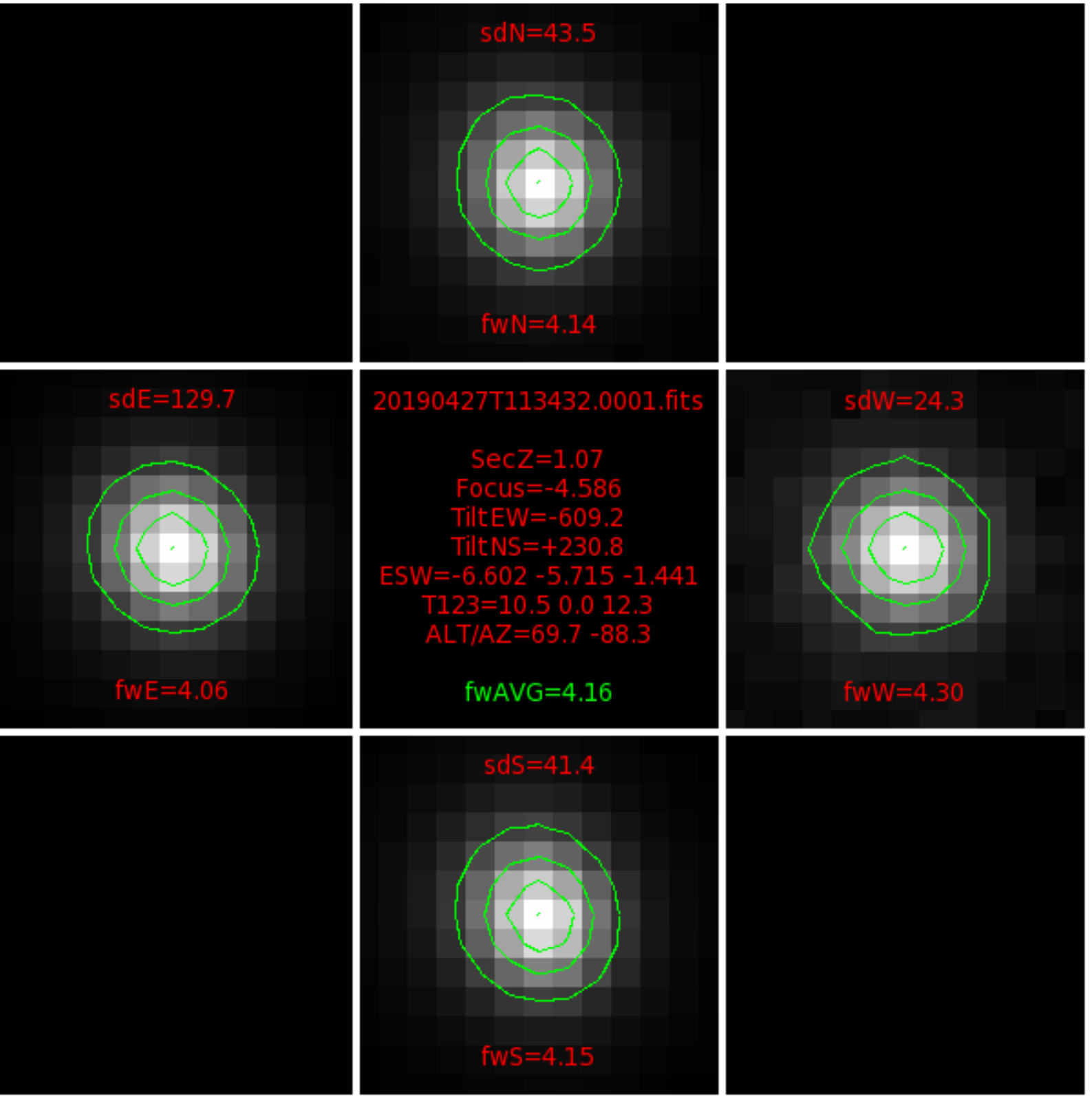
sdN=43.5
fwN=4.14
sdE=129.7
fwE=4.06
20190427T113432.0001.fits
SecZ=1.07
Focus=-4.586
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.602 -5.715 -1.441
T123=10.5 0.0 12.3
ALT/AZ=69.7 -88.3
fwAVG=4.16
sdW=24.3
fwW=4.30
sdS=41.4
fwS=4.15
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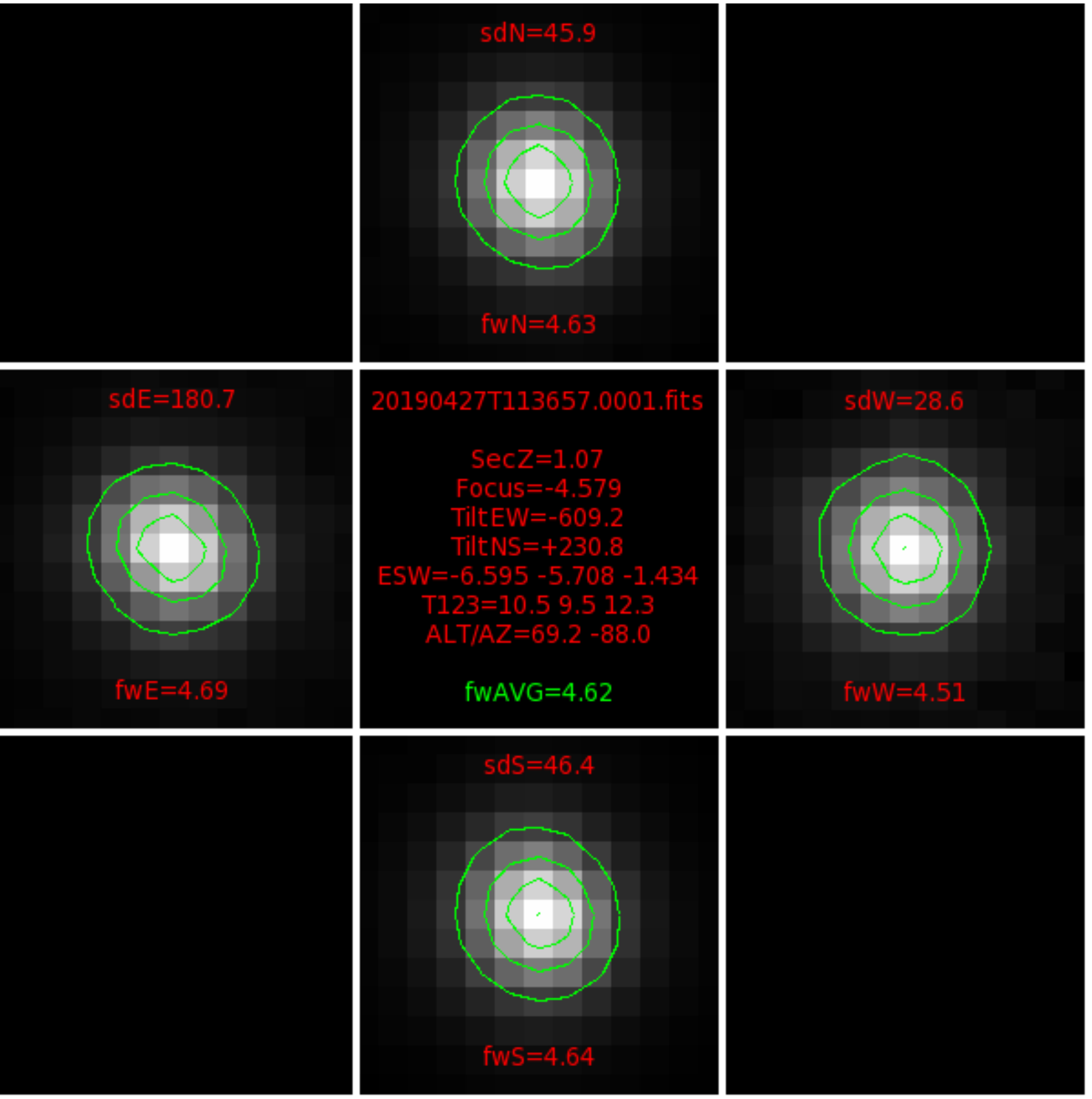
sdN=45.9
fwN=4.63
sdE=180.7
fwE=4.69
20190427T113657.0001.fits
SecZ=1.07
Focus=-4.579
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.595 -5.708 -1.434
T123=10.5 9.5 12.3
ALT/AZ=69.2 -88.0
fwAVG=4.62
sdW=28.6
fwW=4.51
sdS=46.4
fwS=4.64
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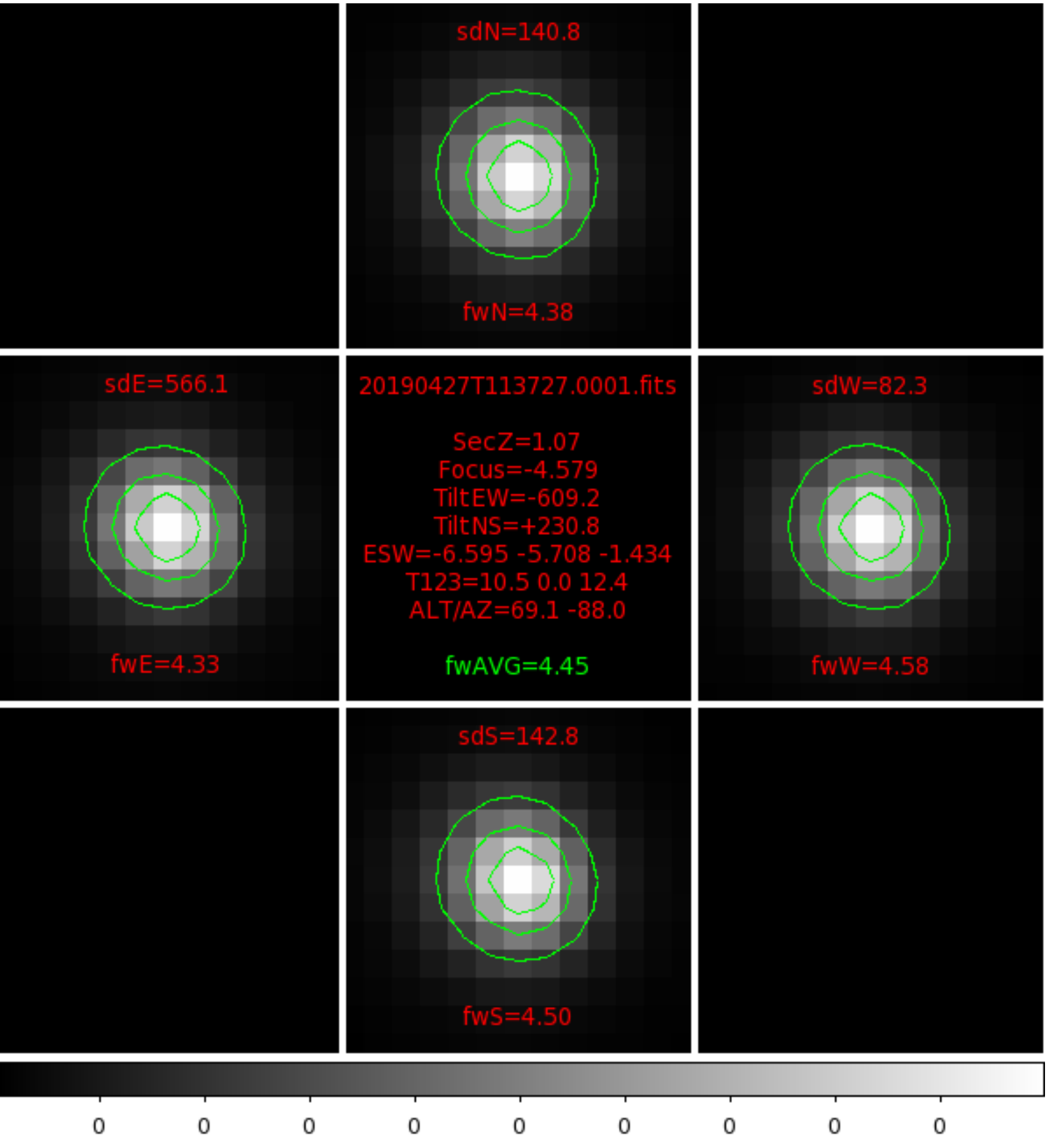
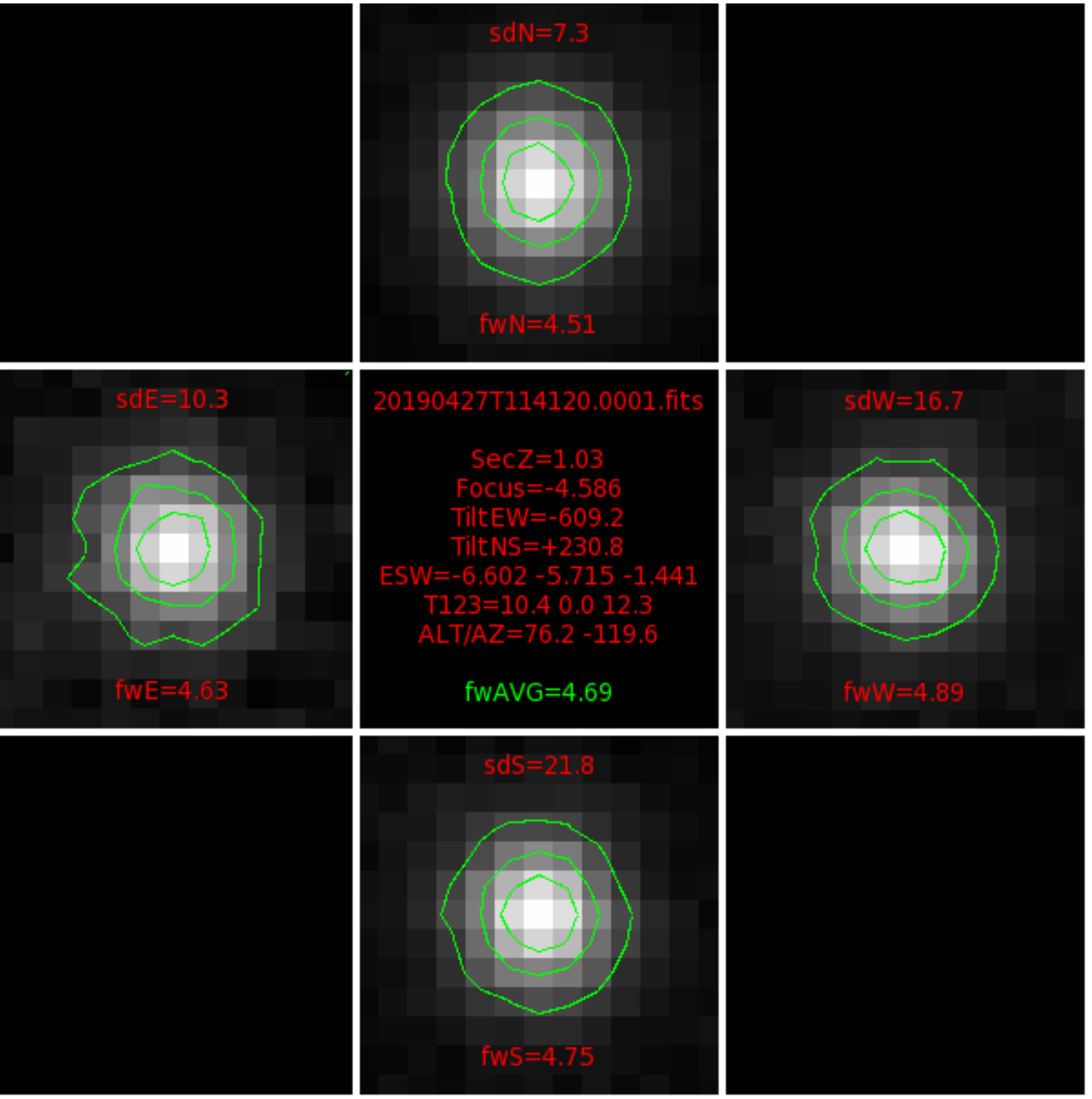

sdN=140.8
fwN=4.38
sdE=566.1
fwE=4.33
20190427T113727.0001.fits
SecZ=1.07
Focus=-4.579
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.595 -5.708 -1.434
T123=10.5 0.0 12.4
ALT/AZ=69.1 -88.0
fwAVG=4.45
sdW=82.3
fwW=4.58
sdS=142.8
fwS=4.50
0 0 0 0 0 0 0 0 0


sdN=7.3
fwN=4.51
sdE=10.3
fwE=4.63
20190427T114120.0001.fits
SecZ=1.03
Focus=-4.586
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.602 -5.715 -1.441
T123=10.4 0.0 12.3
ALT/AZ=76.2 -119.6
fwAVG=4.69
sdW=16.7
fwW=4.89
sdS=21.8
fwS=4.75
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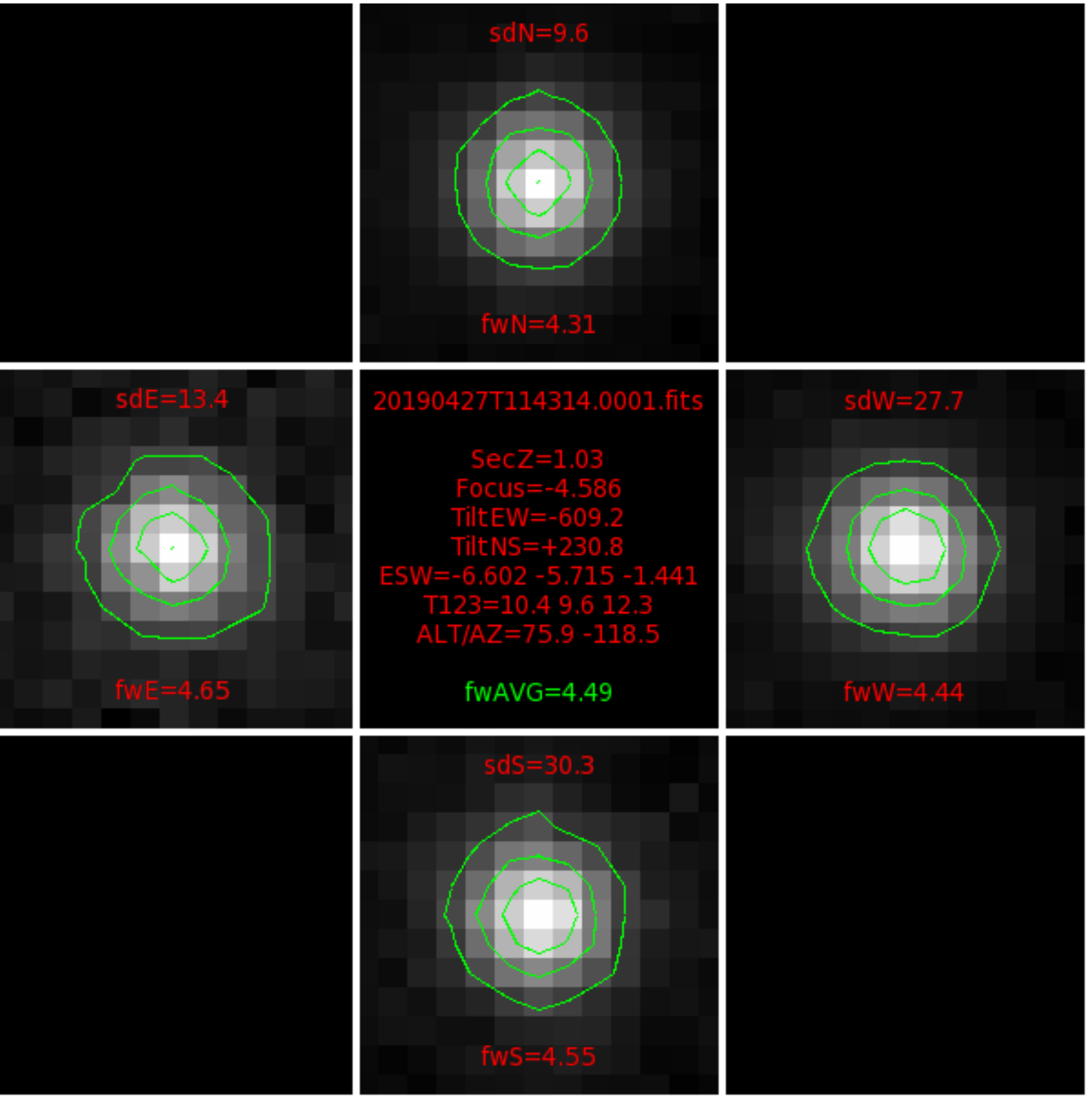
sdN=9.6
fwN=4.31
sdE=13.4
fwE=4.65
20190427T114314.0001.fits
SecZ=1.03
Focus=-4.586
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.602 -5.715 -1.441
T123=10.4 9.6 12.3
ALT/AZ=75.9 -118.5
fwAVG=4.49
sdW=27.7
fwW=4.44
sdS=30.3
fwS=4.55
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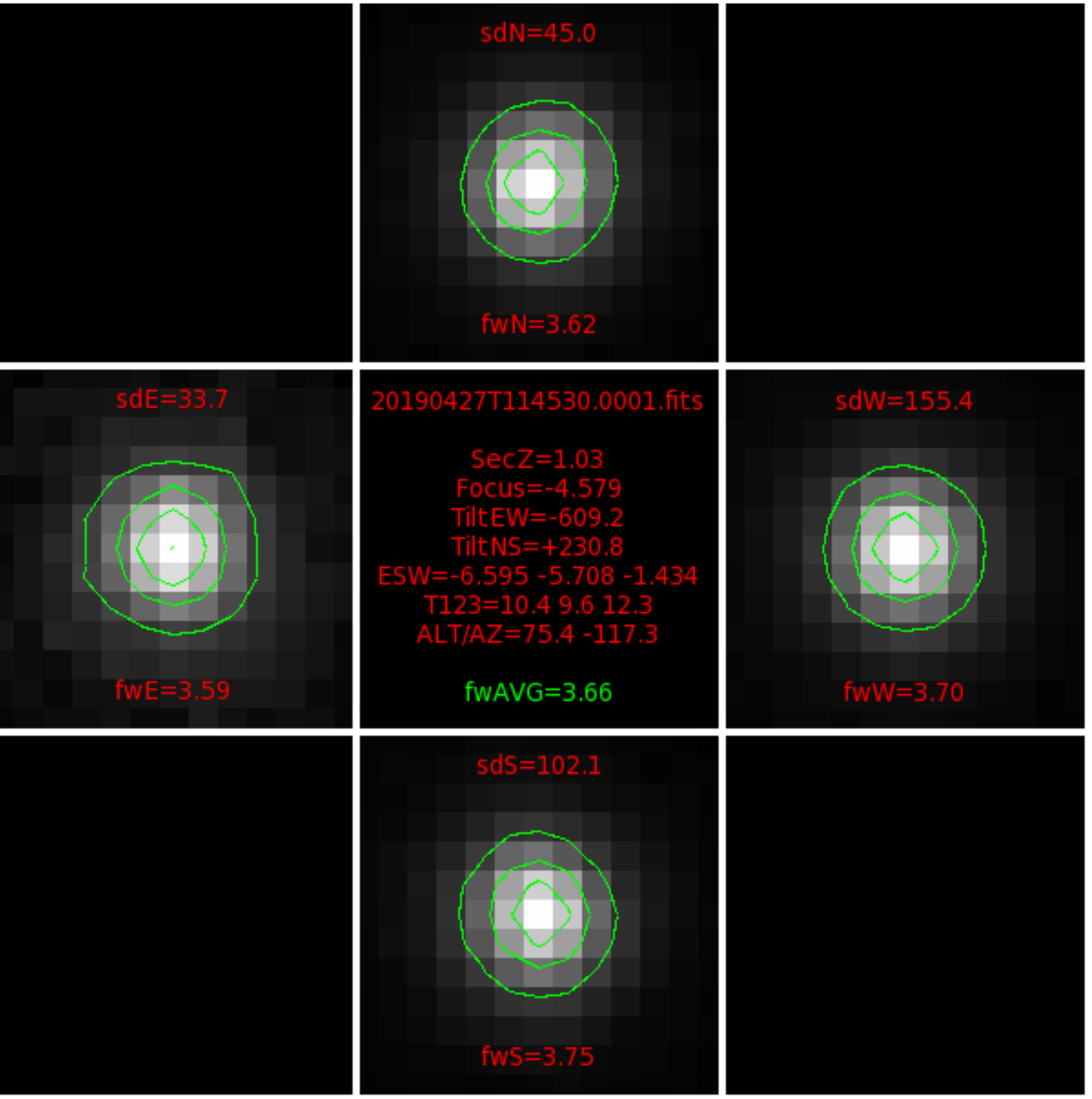
sdN=45.0
fwN=3.62
sdE=33.7
fwE=3.59
20190427T114530.0001.fits
SecZ=1.03
Focus=-4.579
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.595 -5.708 -1.434
T123=10.4 9.6 12.3
ALT/AZ=75.4 -117.3
fwAVG=3.66
sdW=155.4
fwW=3.70
sdS=102.1
fwS=3.75
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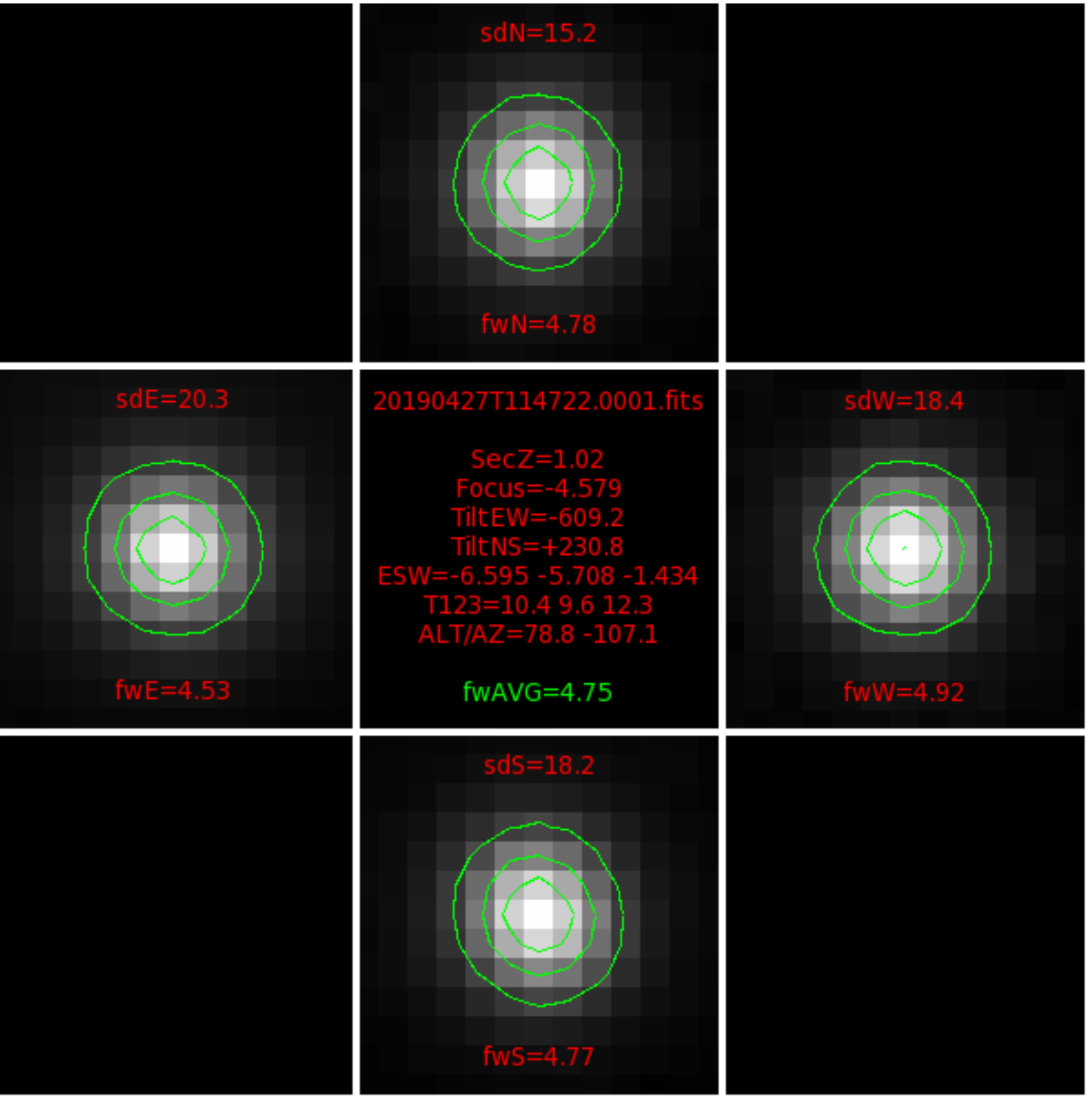
sdN=15.2
fwN=4.78
sdE=20.3
fwE=4.53
20190427T114722.0001.fits
SecZ=1.02
Focus=-4.579
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.595 -5.708 -1.434
T123=10.4 9.6 12.3
ALT/AZ=78.8 -107.1
fwAVG=4.75
sdW=18.4
fwW=4.92
sdS=18.2
fwS=4.77
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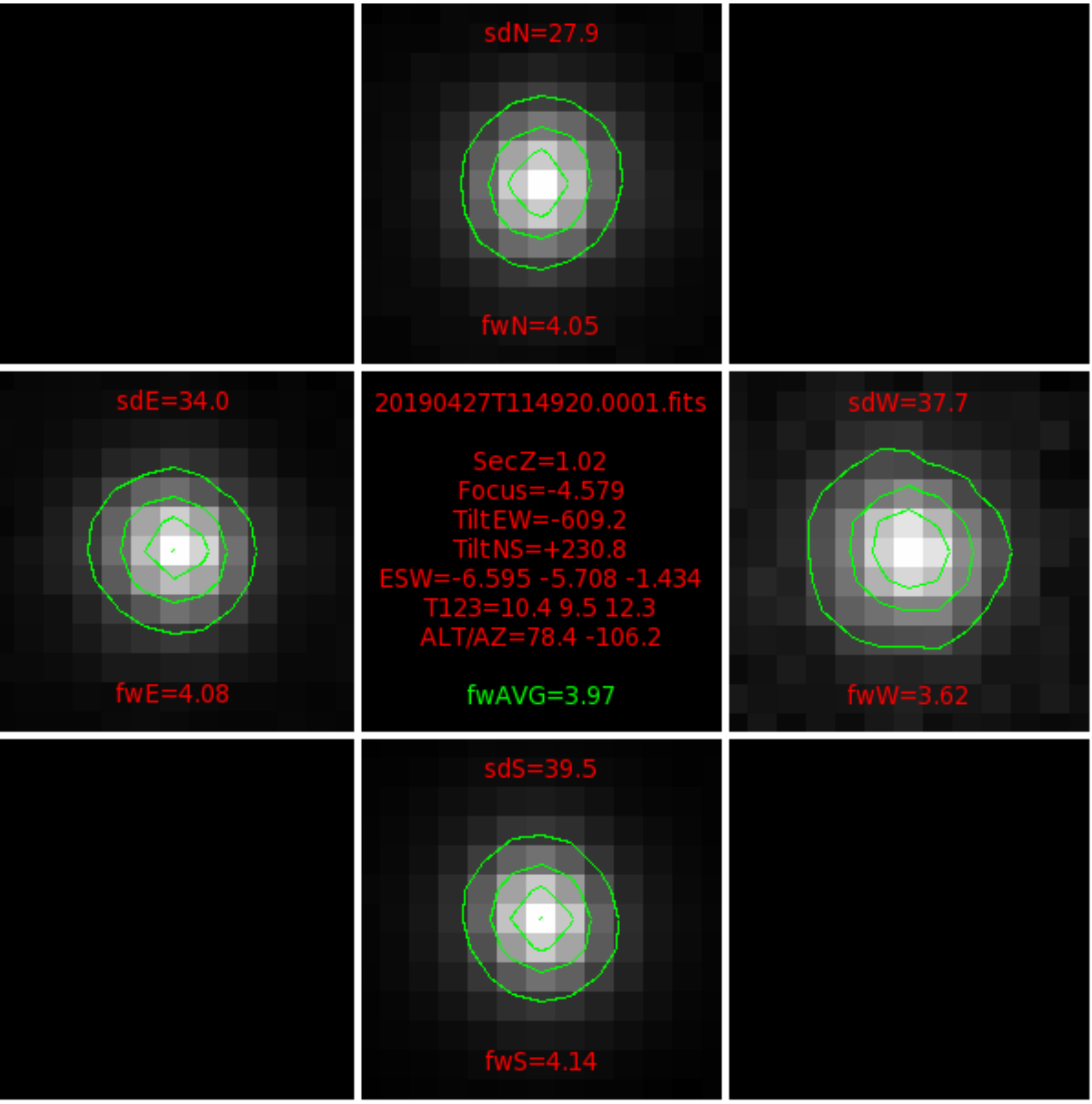
sdN=27.9
fwN=4.05
sdE=34.0
fwE=4.08
20190427T114920.0001.fits
SecZ=1.02
Focus=-4.579
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.595 -5.708 -1.434
T123=10.4 9.5 12.3
ALT/AZ=78.4 -106.2
fwAVG=3.97
sdW=37.7
fwW=3.62
sdS=39.5
fwS=4.14
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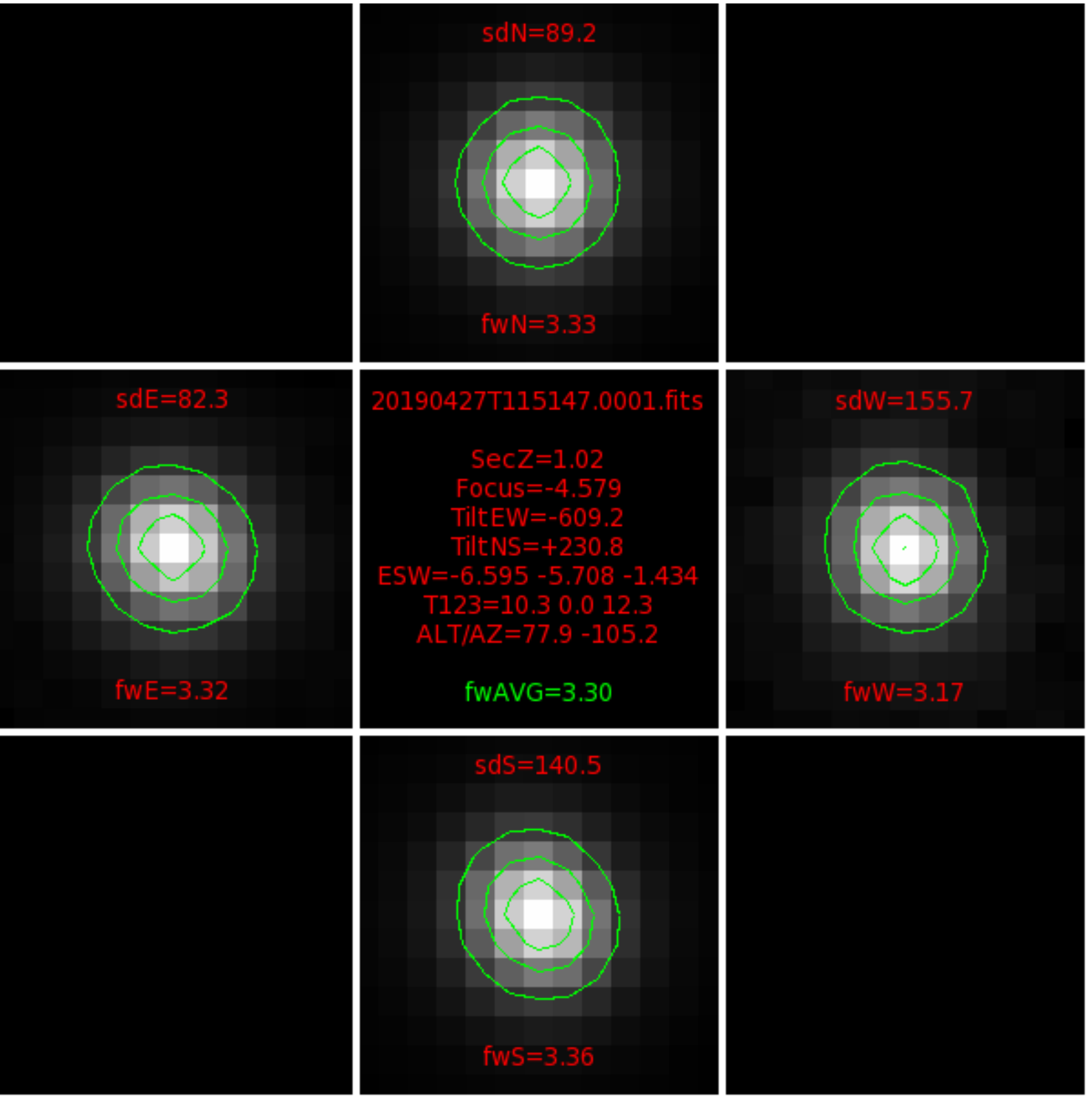
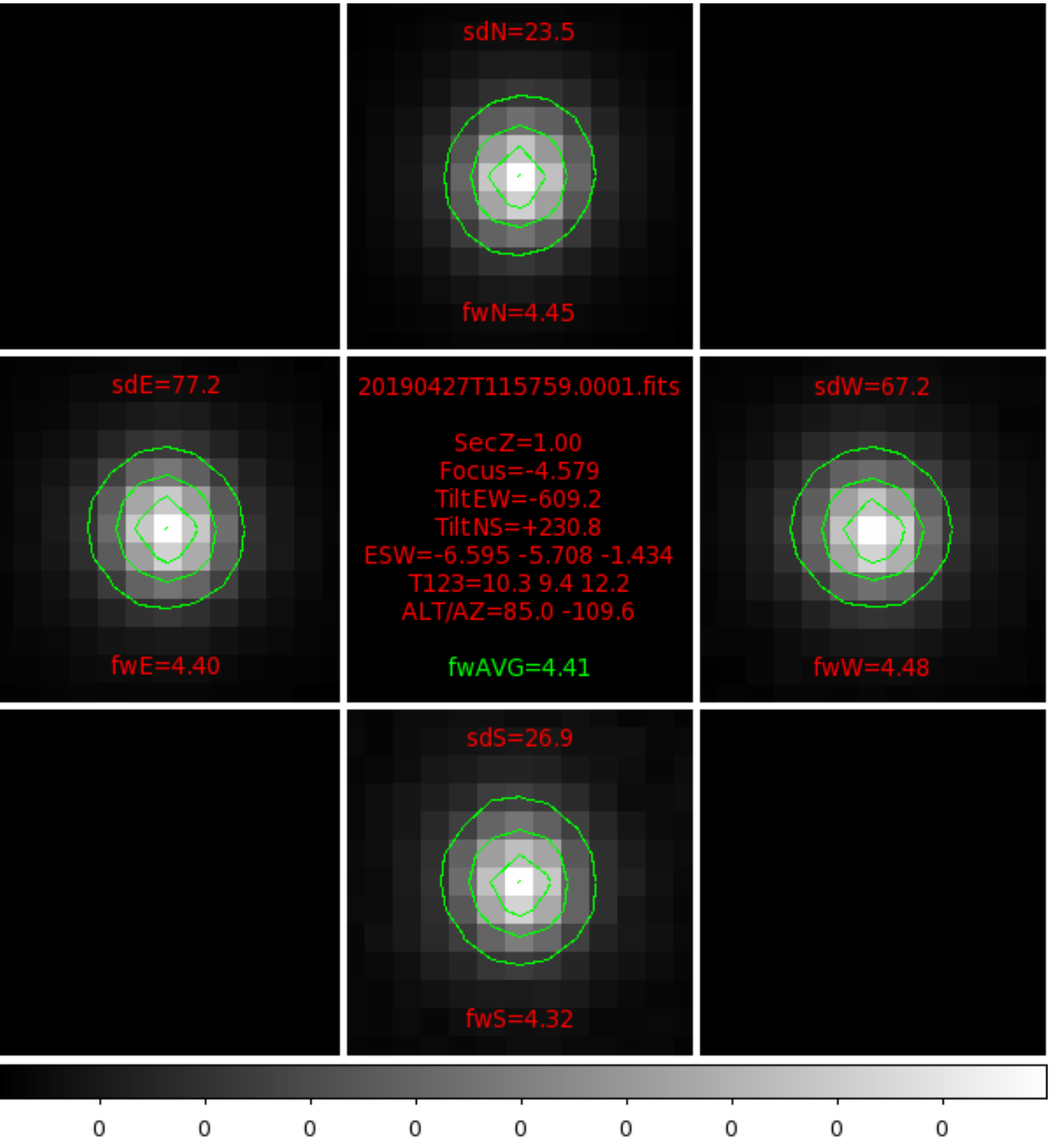

sdN=89.2
fwN=3.33
sdE=82.3
fwE=3.32
20190427T115147.0001.fits
SecZ=1.02
Focus=-4.579
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.595 -5.708 -1.434
T123=10.3 0.0 12.3
ALT/AZ=77.9 -105.2
fwAVG=3.30
sdW=155.7
fwW=3.17
sdS=140.5
fwS=3.36
0 0 0 0 0 0 0 0 0


sdN=23.5
fwN=4.45
sdE=77.2
fwE=4.40
20190427T115759.0001.fits
SecZ=1.00
Focus=-4.579
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.595 -5.708 -1.434
T123=10.3 9.4 12.2
ALT/AZ=85.0 -109.6
fwAVG=4.41
sdW=67.2
fwW=4.48
sdS=26.9
fwS=4.32
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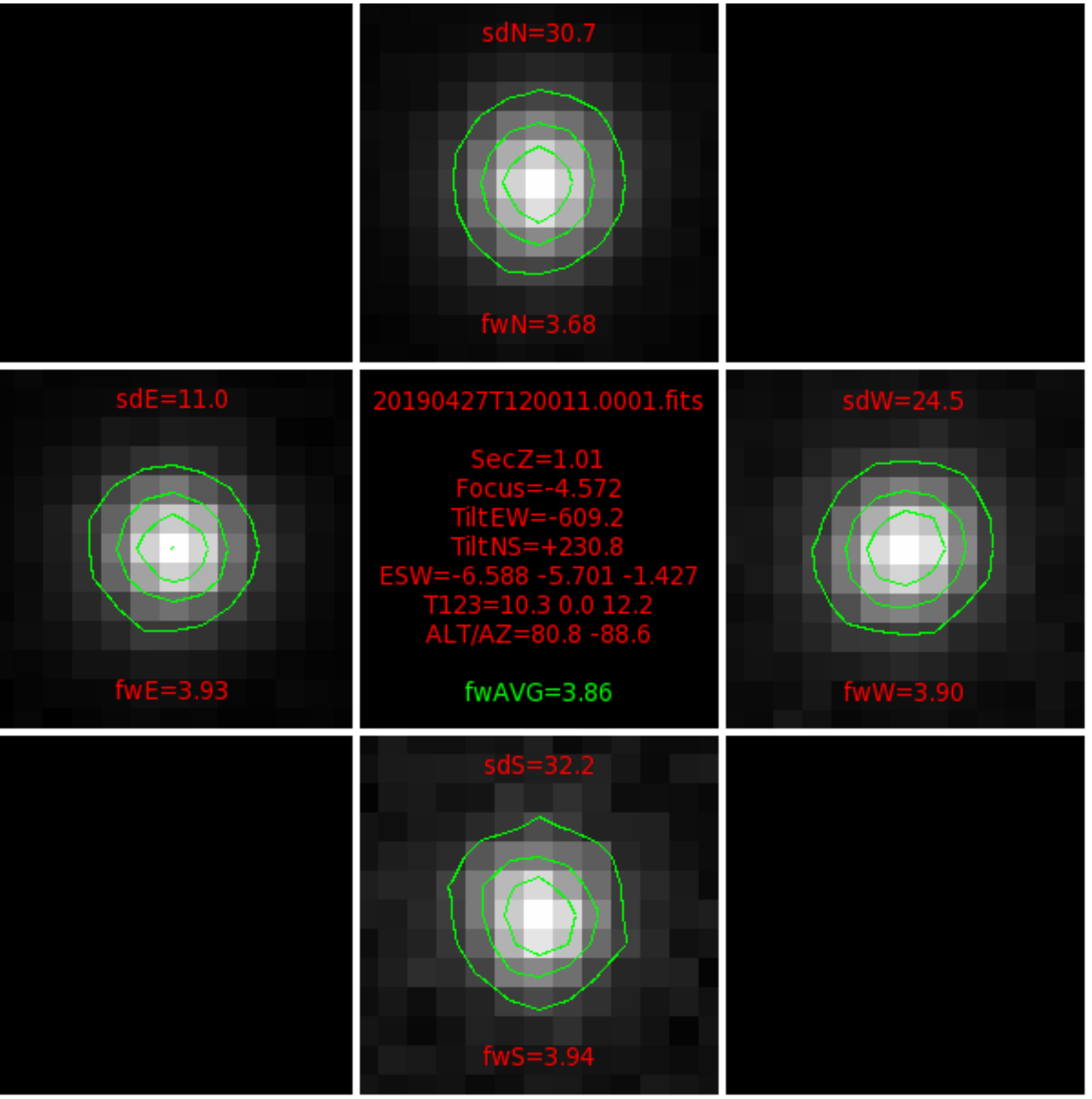
sdN=30.7
fwN=3.68
sdE=11.0
fwE=3.93
20190427T120011.0001.fits
SecZ=1.01
Focus=-4.572
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.588 -5.701 -1.427
T123=10.3 0.0 12.2
ALT/AZ=80.8 -88.6
fwAVG=3.86
sdW=24.5
fwW=3.90
sdS=32.2
fwS=3.94
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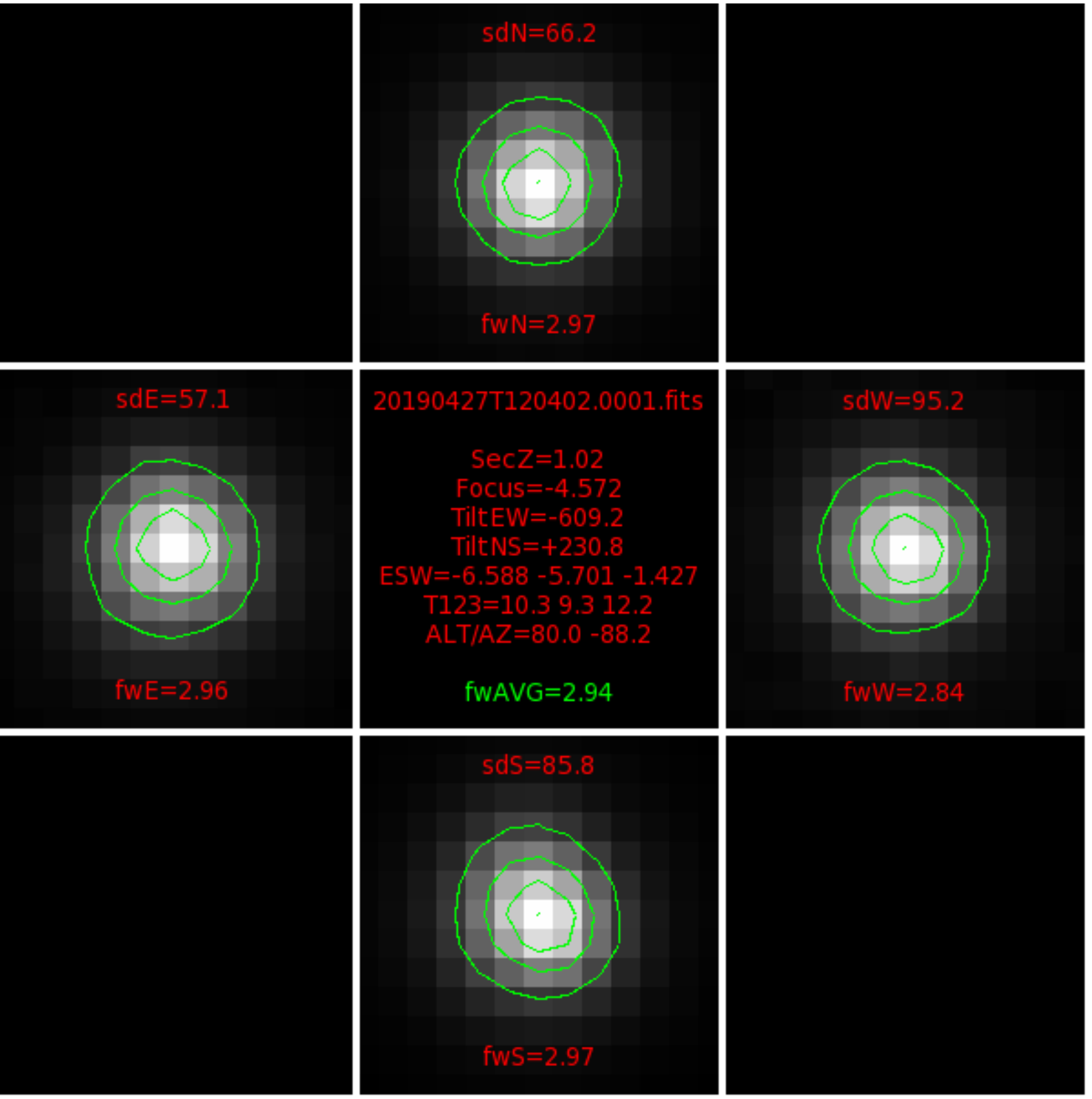
sdN=66.2
fwN=2.97
sdE=57.1
fwE=2.96
20190427T120402.0001.fits
SecZ=1.02
Focus=-4.572
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.588 -5.701 -1.427
T123=10.3 9.3 12.2
ALT/AZ=80.0 -88.2
fwAVG=2.94
sdW=95.2
fwW=2.84
sdS=85.8
fwS=2.97
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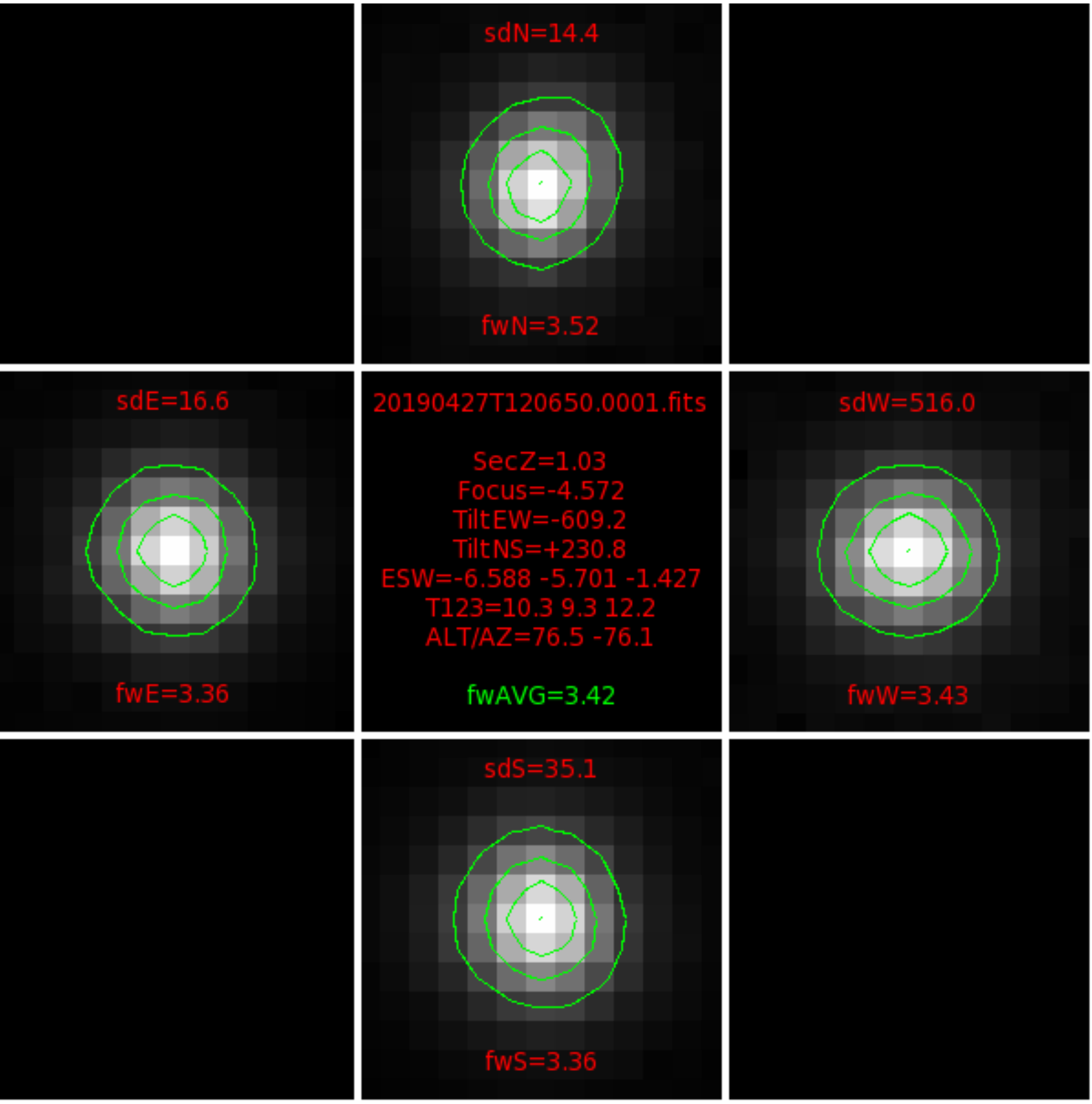
sdN=14.4
fwN=3.52
sdE=16.6
fwE=3.36
20190427T120650.0001.fits
SecZ=1.03
Focus=-4.572
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.588 -5.701 -1.427
T123=10.3 9.3 12.2
ALT/AZ=76.5 -76.1
fwAVG=3.42
sdW=516.0
fwW=3.43
sdS=35.1
fwS=3.36
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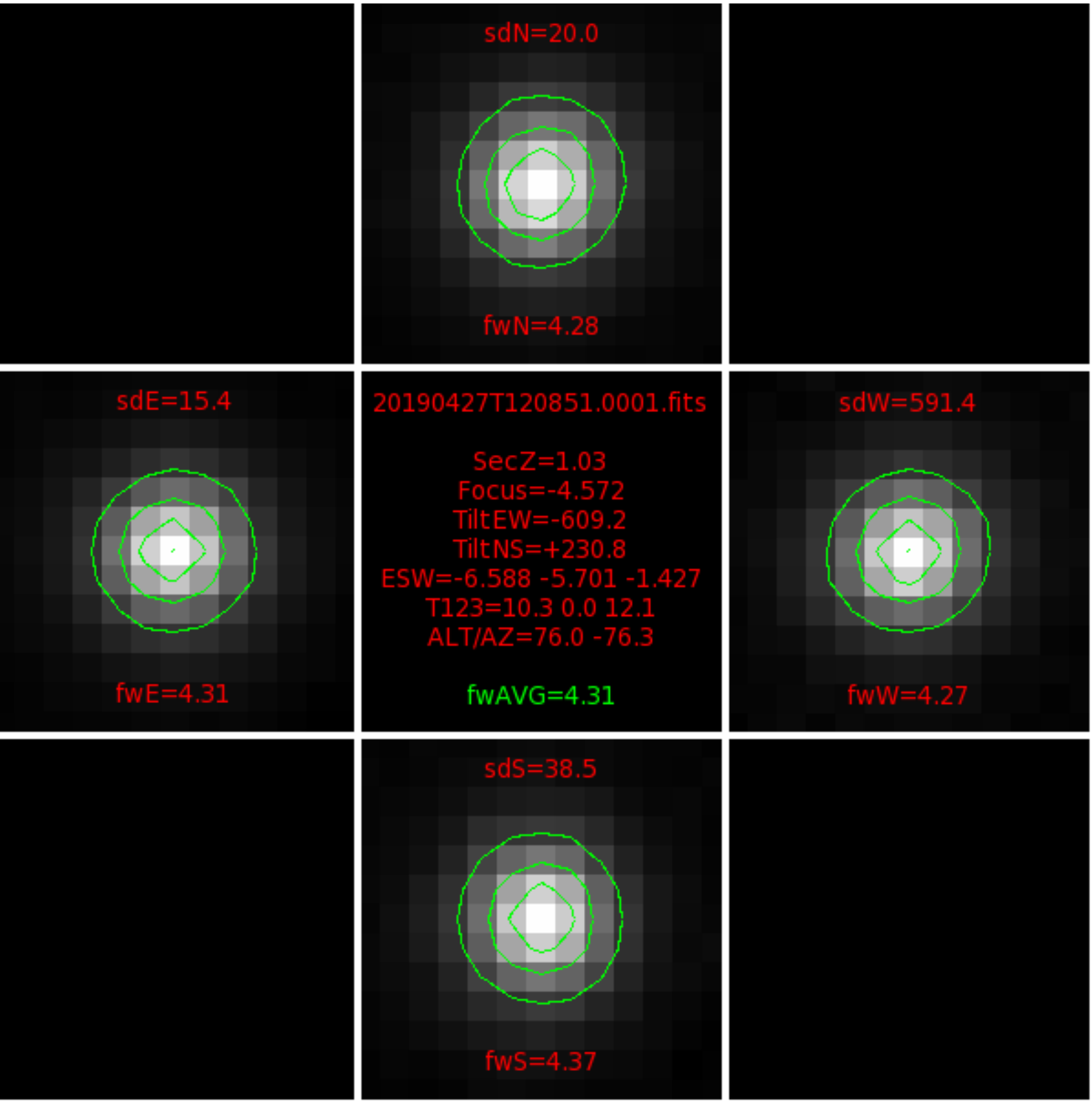
sdN=20.0
fwN=4.28
sdE=15.4
fwE=4.31
20190427T120851.0001.fits
SecZ=1.03
Focus=-4.572
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.588 -5.701 -1.427
T123=10.3 0.0 12.1
ALT/AZ=76.0 -76.3
fwAVG=4.31
sdW=591.4
fwW=4.27
sdS=38.5
fwS=4.37
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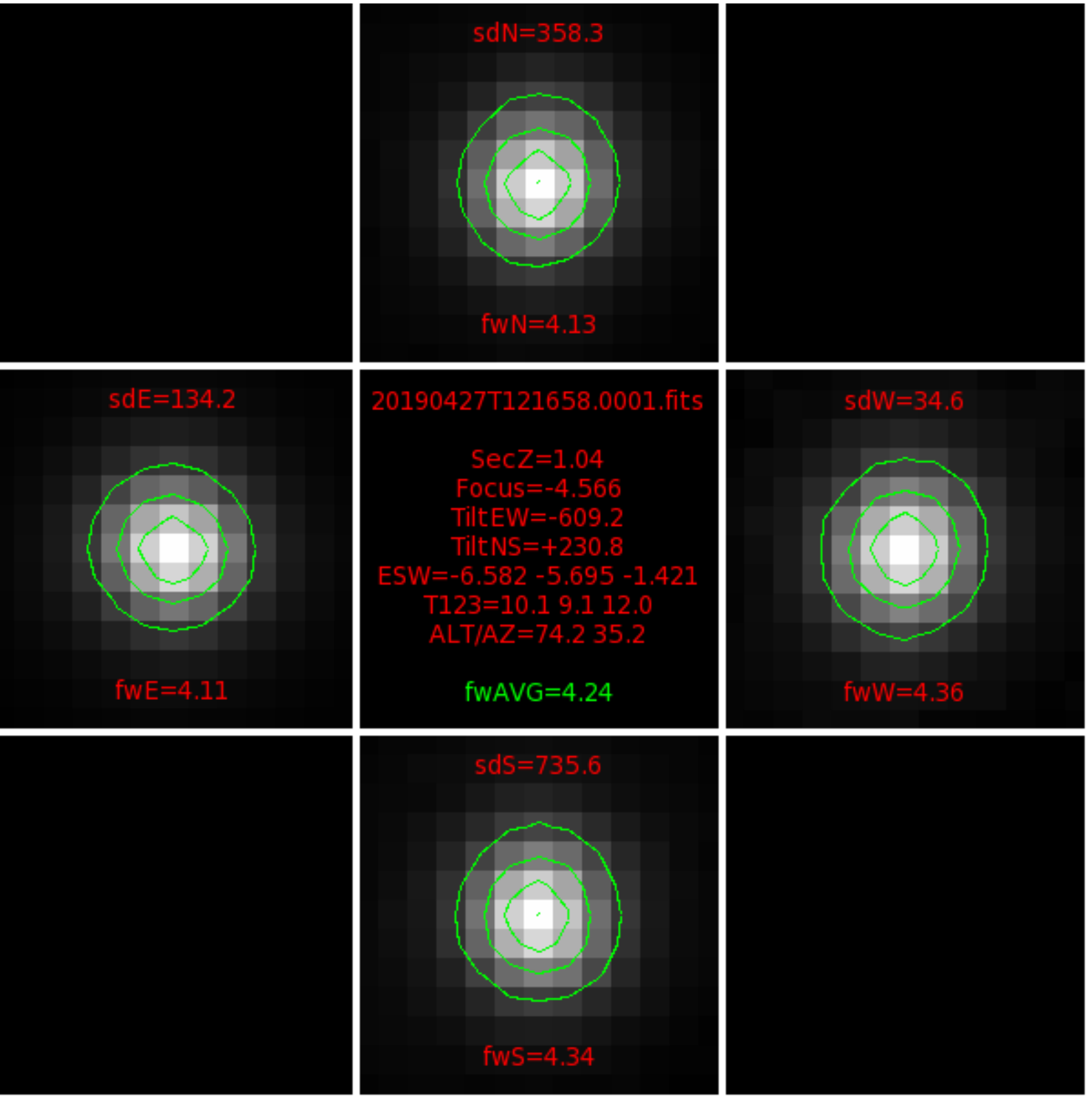
sdN=358.3
fwN=4.13
sdE=134.2
fwE=4.11
20190427T121658.0001.fits
SecZ=1.04
Focus=-4.566
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.582 -5.695 -1.421
T123=10.1 9.1 12.0
ALT/AZ=74.2 35.2
fwAVG=4.24
sdW=34.6
fwW=4.36
sdS=735.6
fwS=4.34
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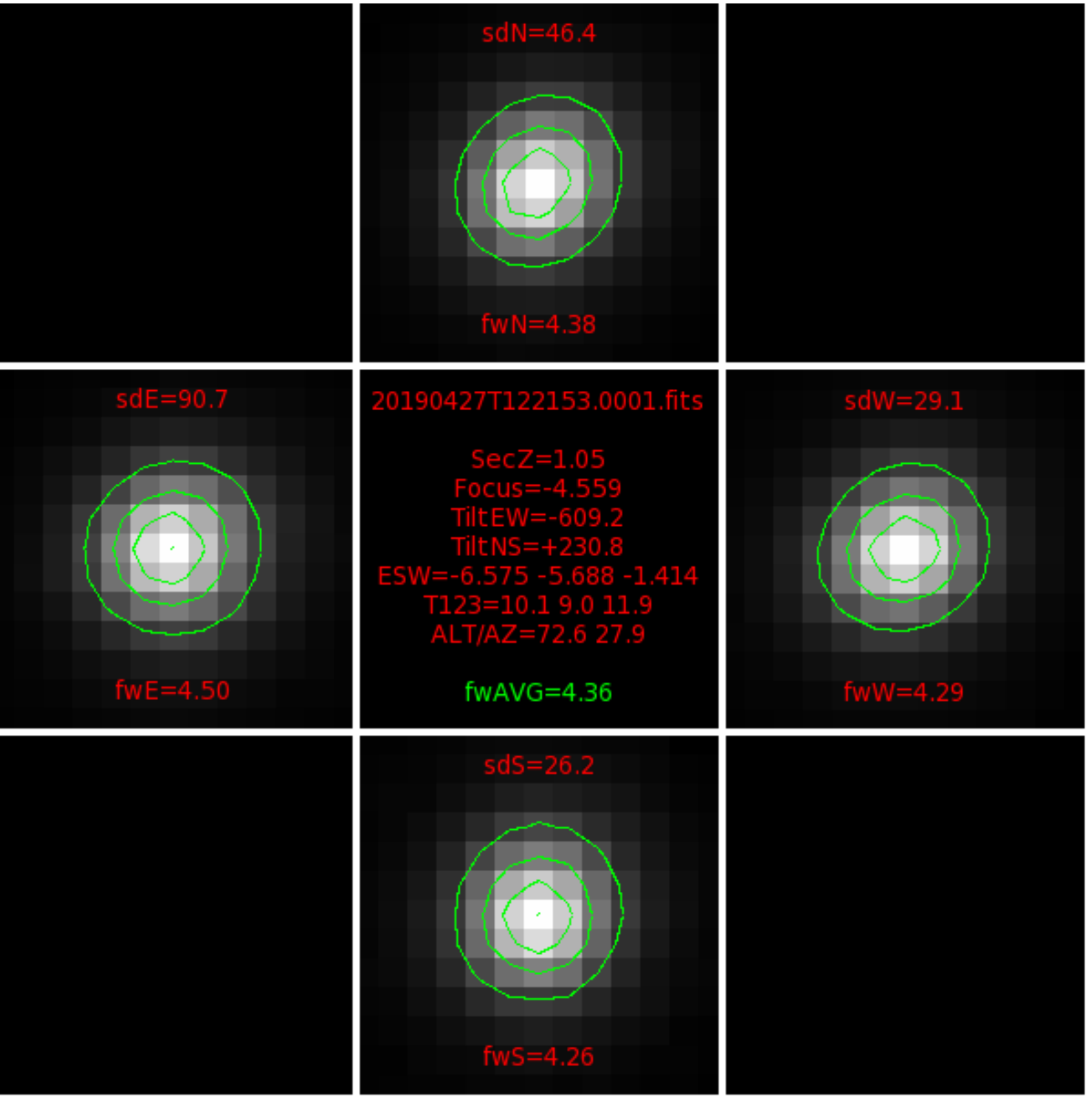
sdN=46.4
fwN=4.38
sdE=90.7
fwE=4.50
20190427T122153.0001.fits
SecZ=1.05
Focus=-4.559
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.575 -5.688 -1.414
T123=10.1 9.0 11.9
ALT/AZ=72.6 27.9
fwAVG=4.36
sdW=29.1
fwW=4.29
sdS=26.2
fwS=4.26
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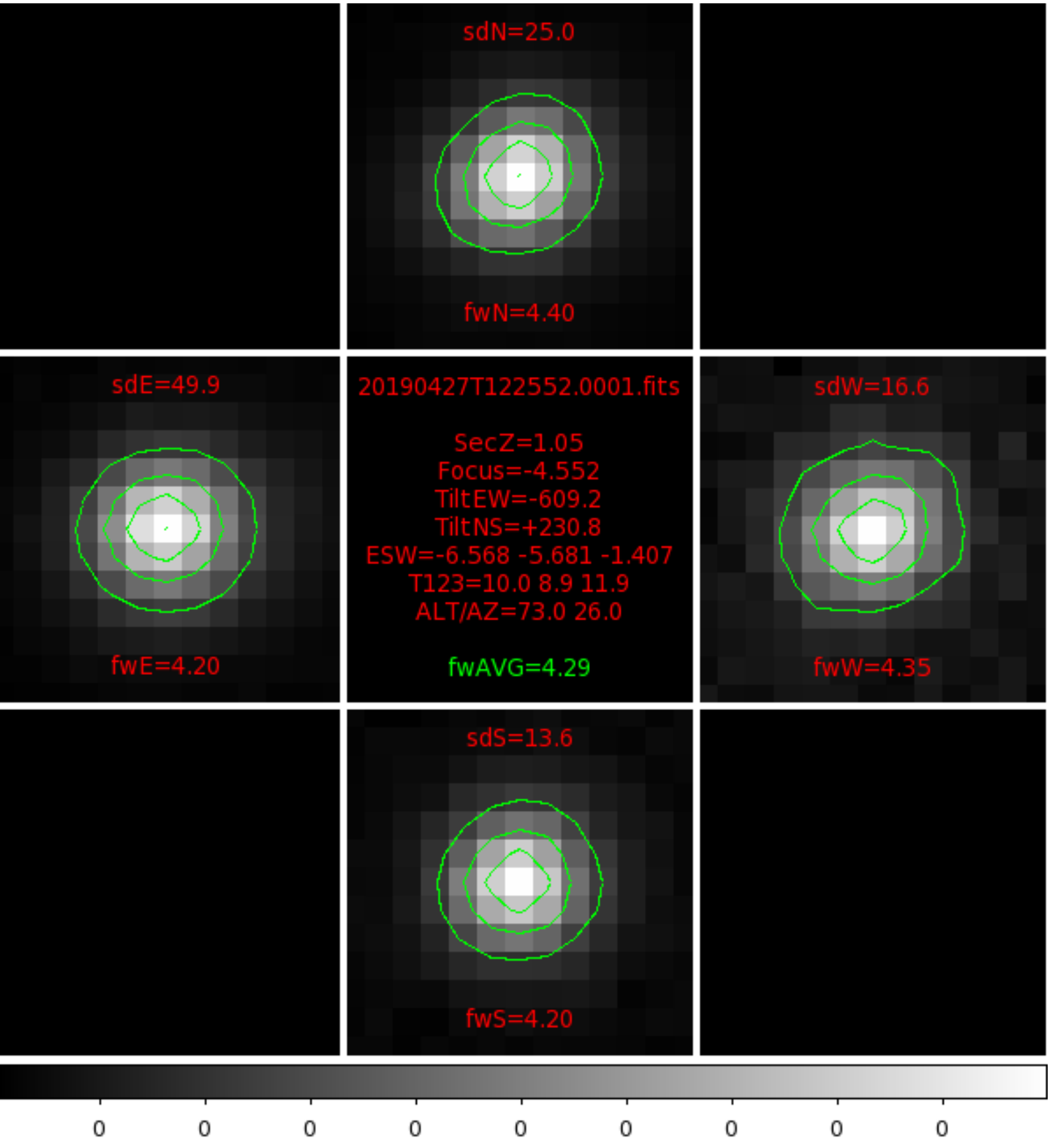
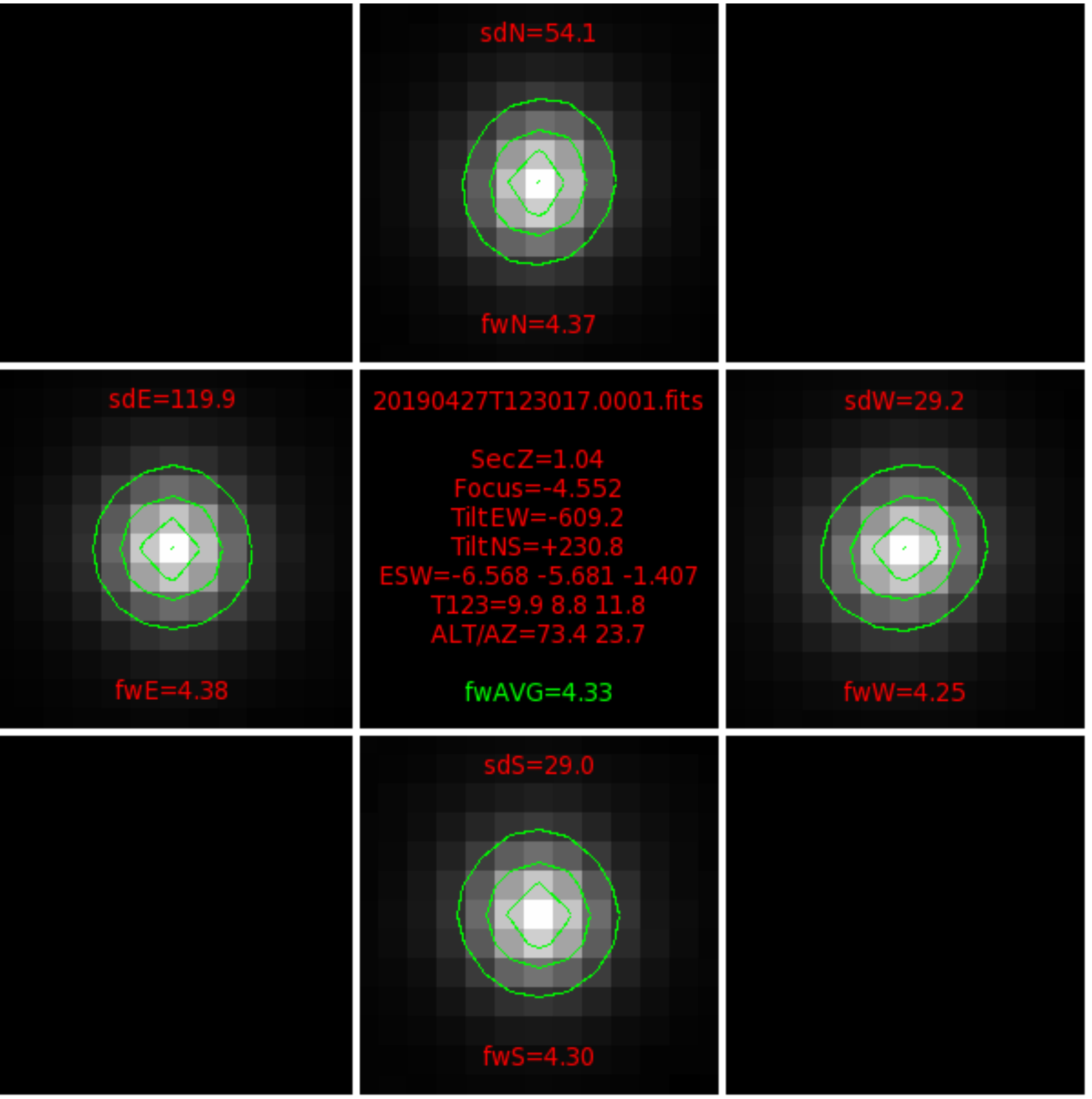

sdN=25.0
fwN=4.40
sdE=49.9
fwE=4.20
20190427T122552.0001.fits
SecZ=1.05
Focus=-4.552
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.568 -5.681 -1.407
T123=10.0 8.9 11.9
ALT/AZ=73.0 26.0
fwAVG=4.29
sdW=16.6
fwW=4.35
sdS=13.6
fwS=4.20
0 0 0 0 0 0 0 0 0


sdN=54.1
fwN=4.37
sdE=119.9
fwE=4.38
20190427T123017.0001.fits
SecZ=1.04
Focus=-4.552
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.568 -5.681 -1.407
T123=9.9 8.8 11.8
ALT/AZ=73.4 23.7
fwAVG=4.33
sdW=29.2
fwW=4.25
sdS=29.0
fwS=4.30
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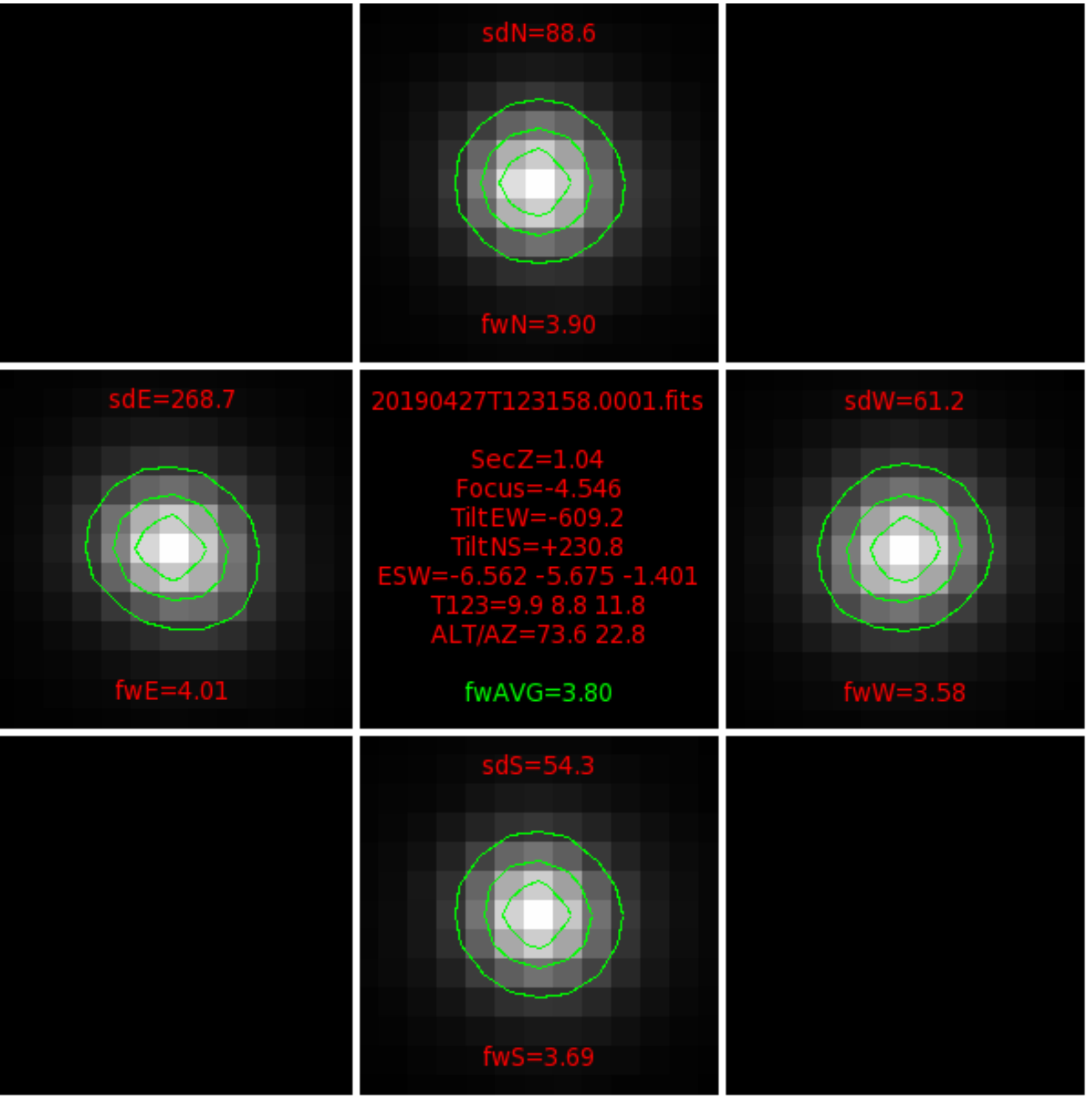
sdN=88.6
fwN=3.90
sdE=268.7
fwE=4.01
20190427T123158.0001.fits
SecZ=1.04
Focus=-4.546
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.562 -5.675 -1.401
T123=9.9 8.8 11.8
ALT/AZ=73.6 22.8
fwAVG=3.80
sdW=61.2
fwW=3.58
sdS=54.3
fwS=3.69
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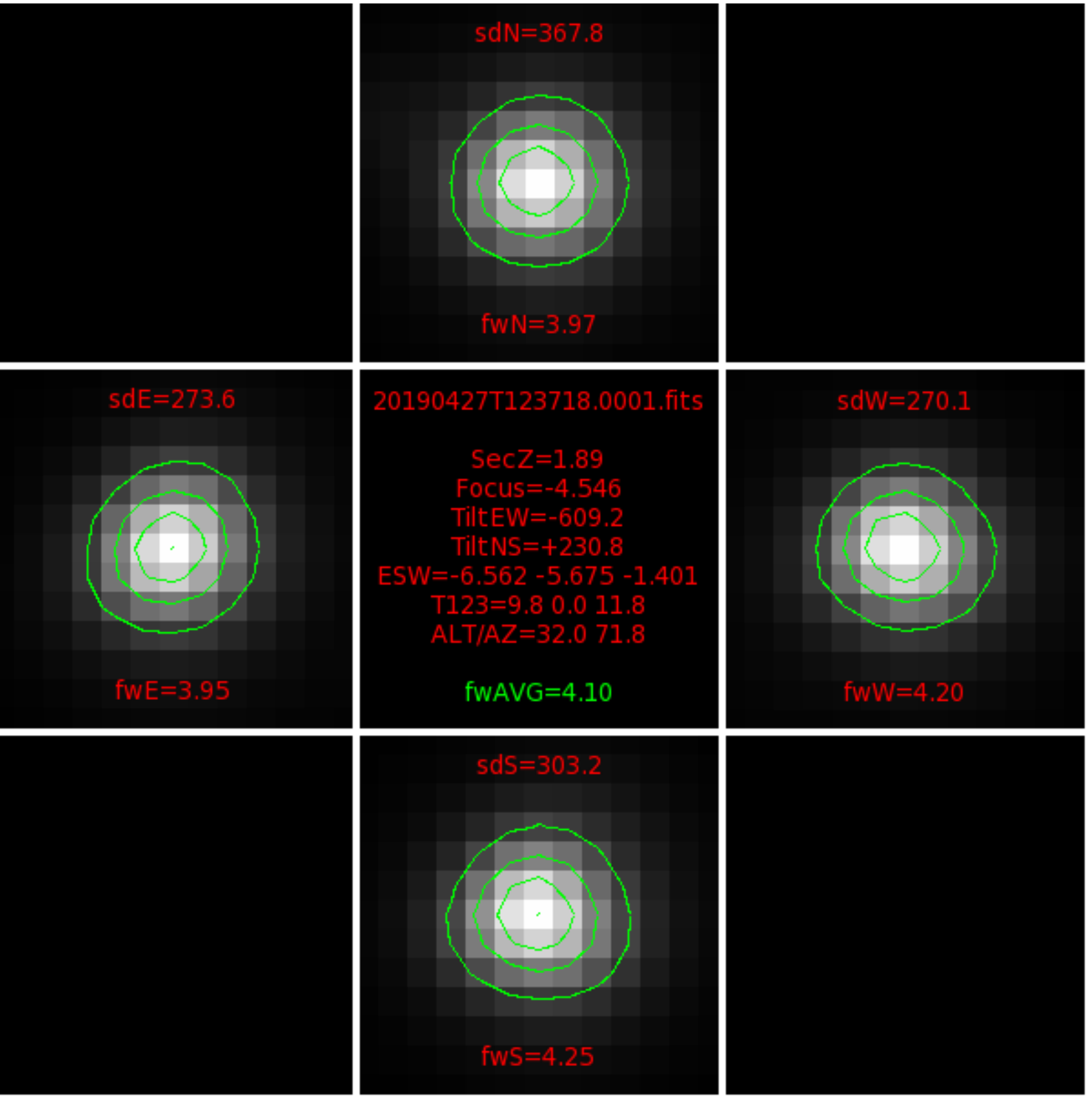
sdN=367.8
fwN=3.97
sdE=273.6
fwE=3.95
20190427T123718.0001.fits
SecZ=1.89
Focus=-4.546
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.562 -5.675 -1.401
T123=9.8 0.0 11.8
ALT/AZ=32.0 71.8
fwAVG=4.10
sdW=270.1
fwW=4.20
sdS=303.2
fwS=4.25
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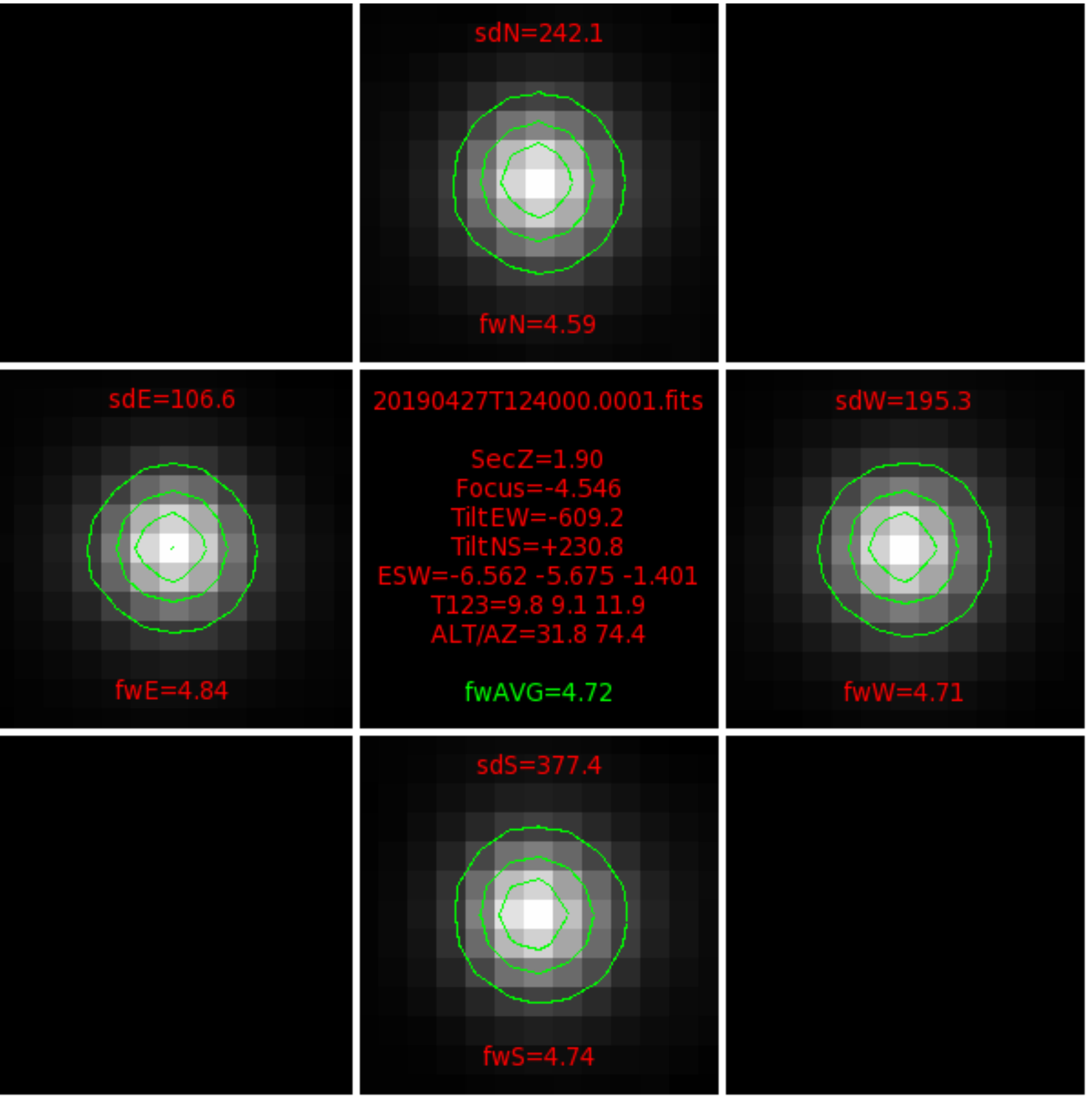
sdN=242.1
fwN=4.59
sdE=106.6
fwE=4.84
20190427T124000.0001.fits
SecZ=1.90
Focus=-4.546
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.562 -5.675 -1.401
T123=9.8 9.1 11.9
ALT/AZ=31.8 74.4
fwAVG=4.72
sdW=195.3
fwW=4.71
sdS=377.4
fwS=4.74
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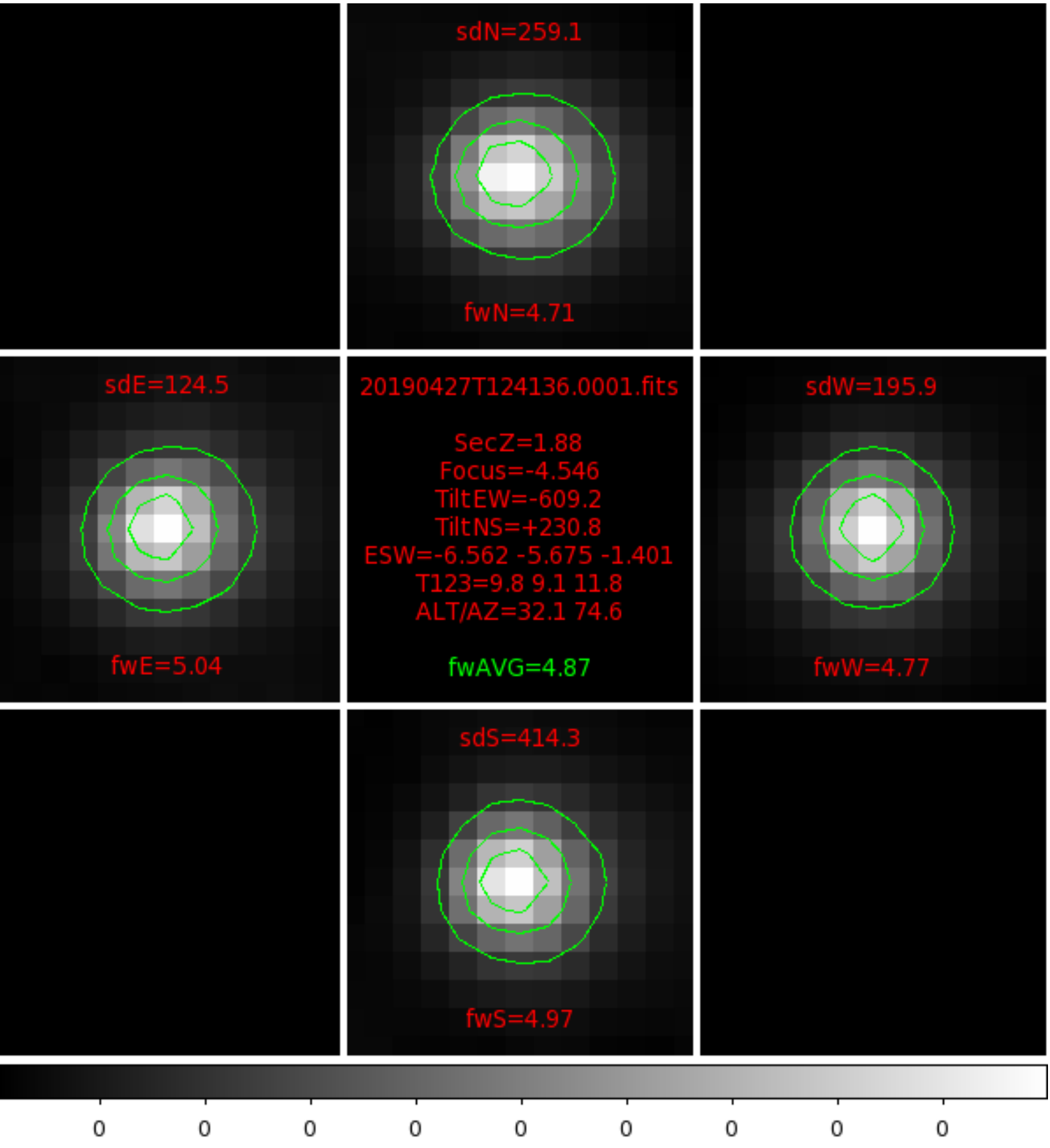
sdN=259.1
fwN=4.71
sdE=124.5
fwE=5.04
20190427T124136.0001.fits
SecZ=1.88
Focus=-4.546
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.562 -5.675 -1.401
T123=9.8 9.1 11.8
ALT/AZ=32.1 74.6
fwAVG=4.87
sdW=195.9
fwW=4.77
sdS=414.3
fwS=4.97
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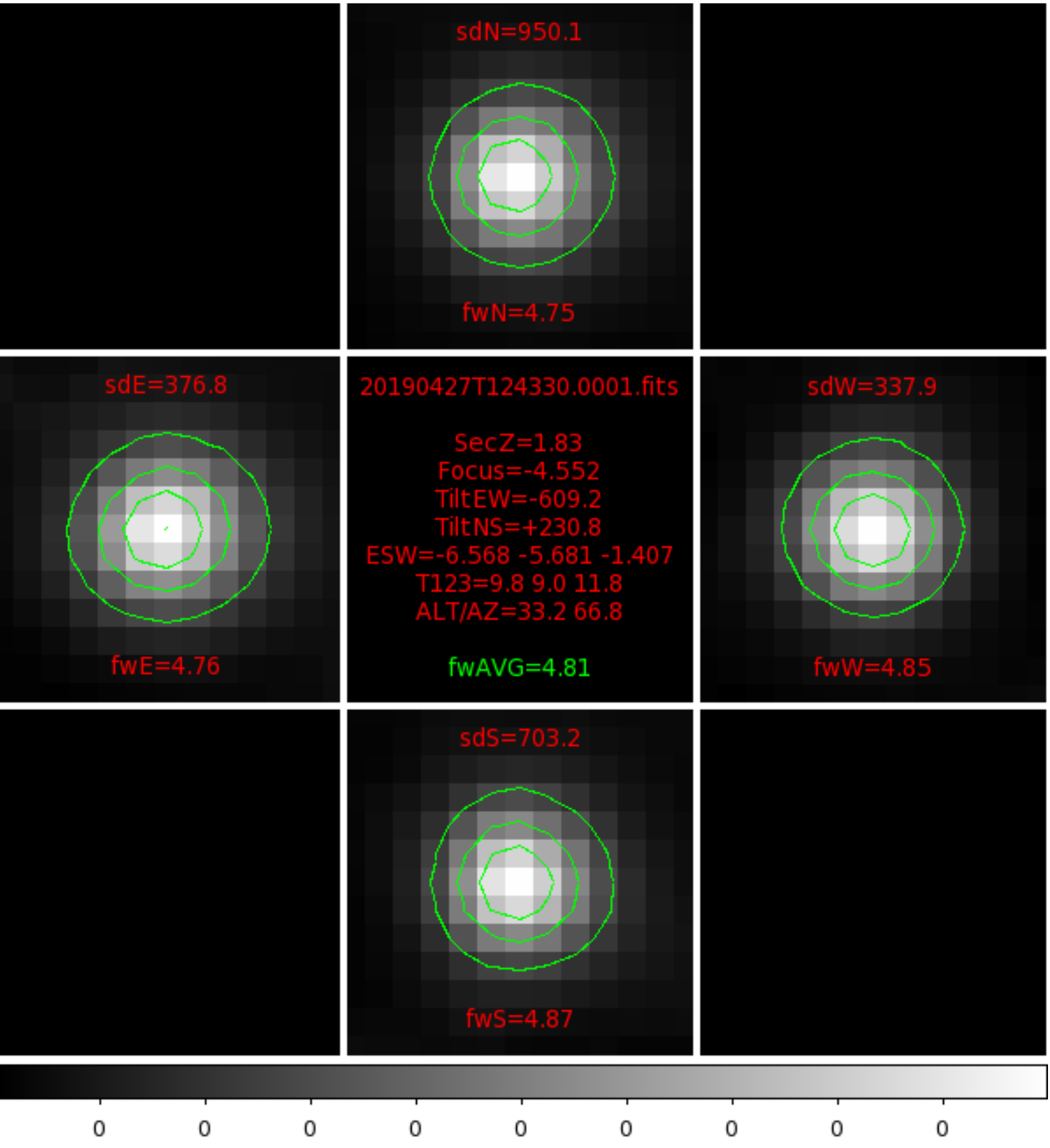
sdN=950.1
fwN=4.75
sdE=376.8
fwE=4.76
20190427T124330.0001.fits
SecZ=1.83
Focus=-4.552
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.568 -5.681 -1.407
T123=9.8 9.0 11.8
ALT/AZ=33.2 66.8
fwAVG=4.81
sdW=337.9
fwW=4.85
sdS=703.2
fwS=4.87
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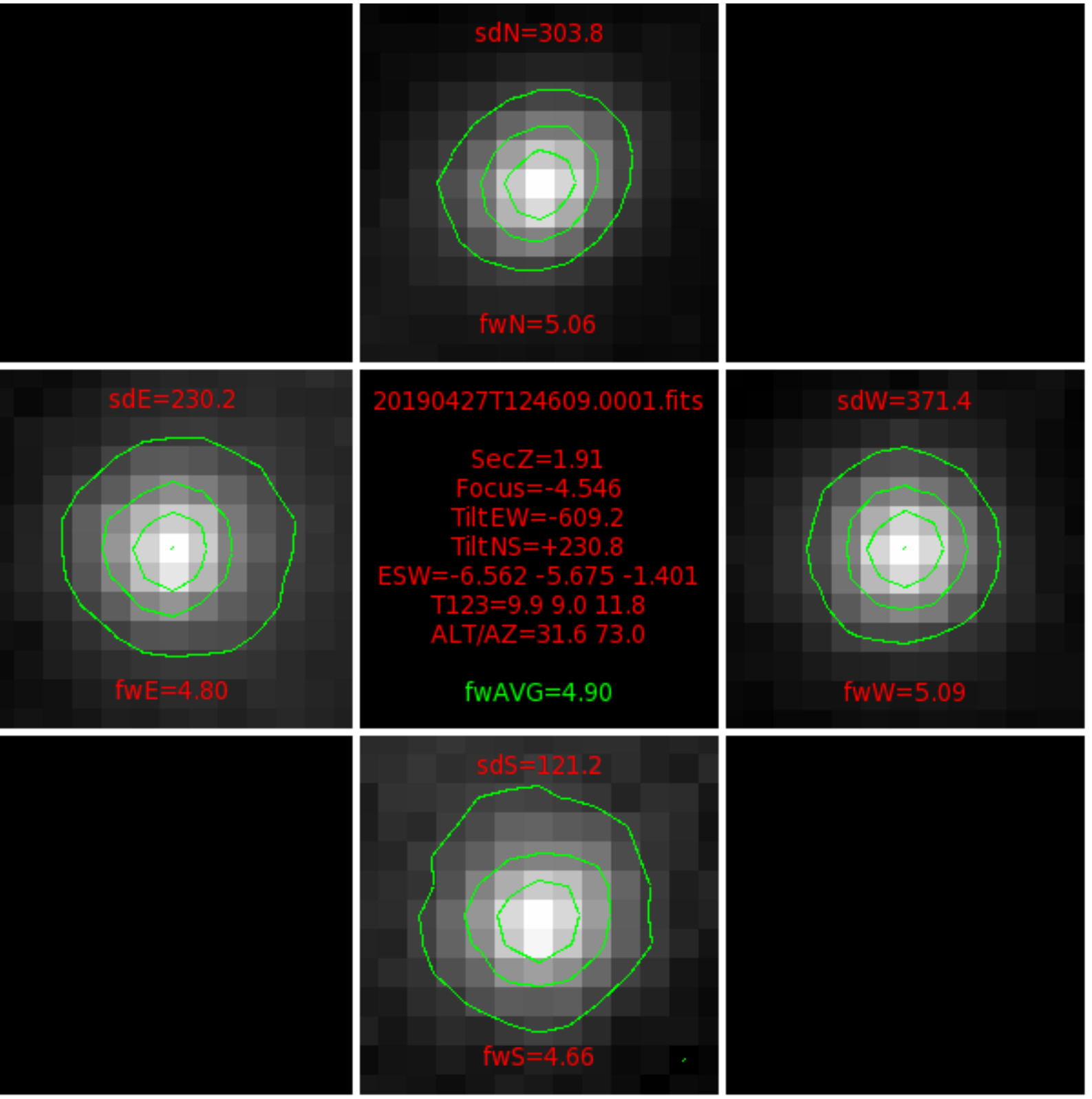
sdN=303.8
fwN=5.06
sdE=230.2
fwE=4.80
20190427T124609.0001.fits
SecZ=1.91
Focus=-4.546
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.562 -5.675 -1.401
T123=9.9 9.0 11.8
ALT/AZ=31.6 73.0
fwAVG=4.90
sdW=371.4
fwW=5.09
sdS=121.2
fwS=4.66
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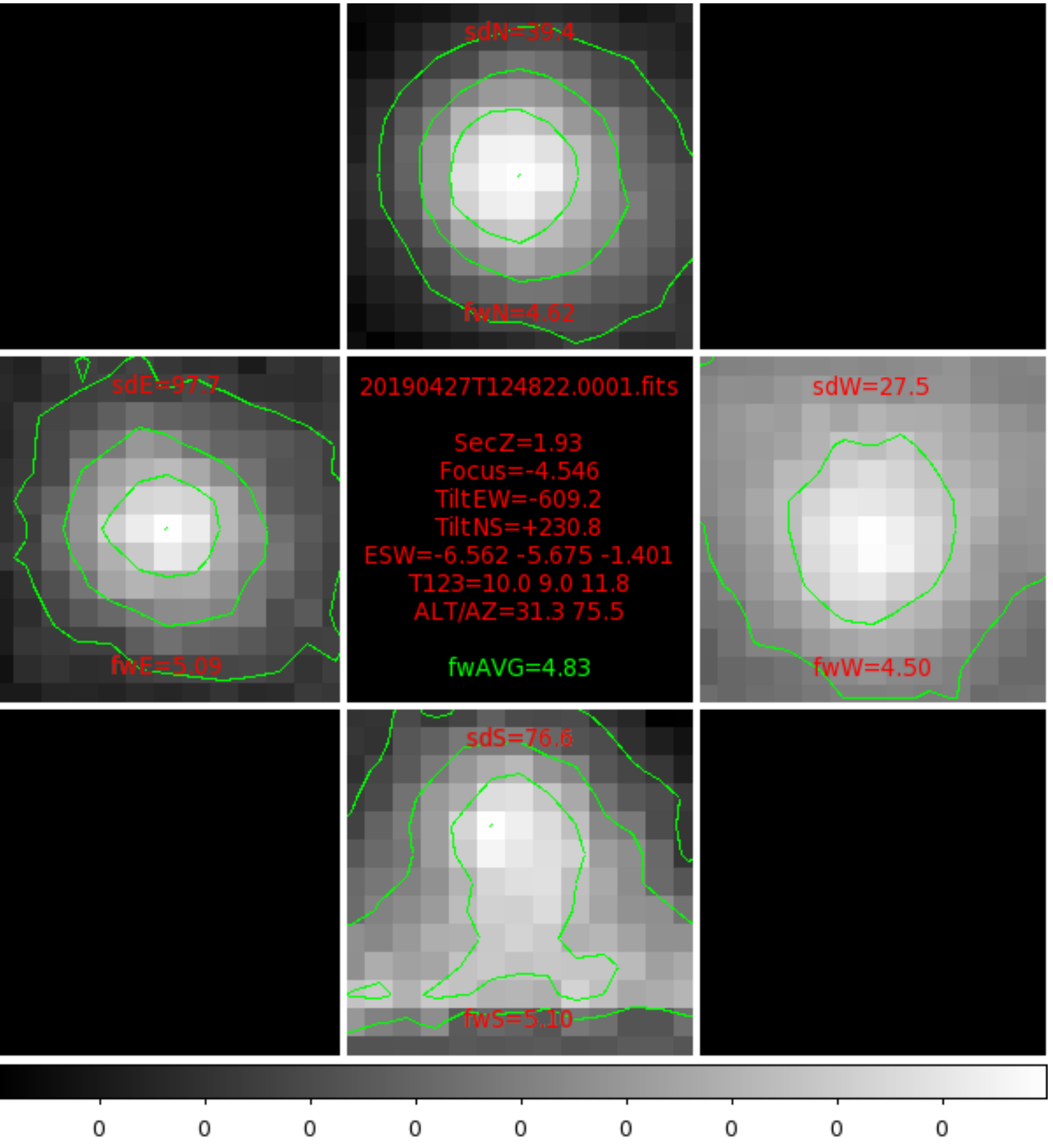
sdN=39.4
fwN=4.62
sdE=97.7
fwE=5.09
20190427T124822.0001.fits
SecZ=1.93
Focus=-4.546
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.562 -5.675 -1.401
T123=10.0 9.0 11.8
ALT/AZ=31.3 75.5
fwAVG=4.83
sdW=27.5
fwW=4.50
sdS=76.6
fwS=5.10
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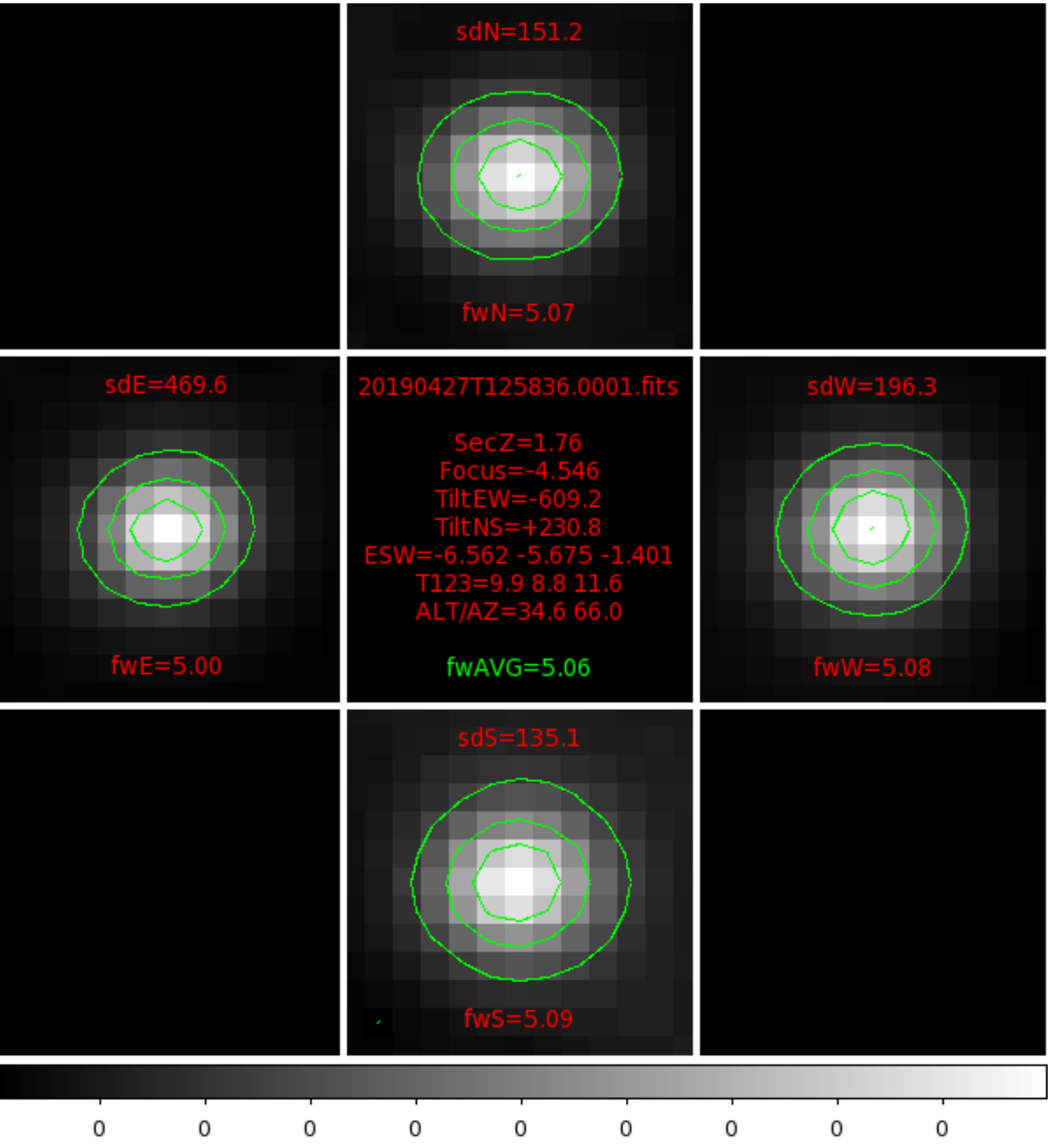
sdN=151.2
fwN=5.07
sdE=469.6
fwE=5.00
20190427T125836.0001.fits
SecZ=1.76
Focus=-4.546
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.562 -5.675 -1.401
T123=9.9 8.8 11.6
ALT/AZ=34.6 66.0
fwAVG=5.06
sdW=196.3
fwW=5.08
sdS=135.1
fwS=5.09
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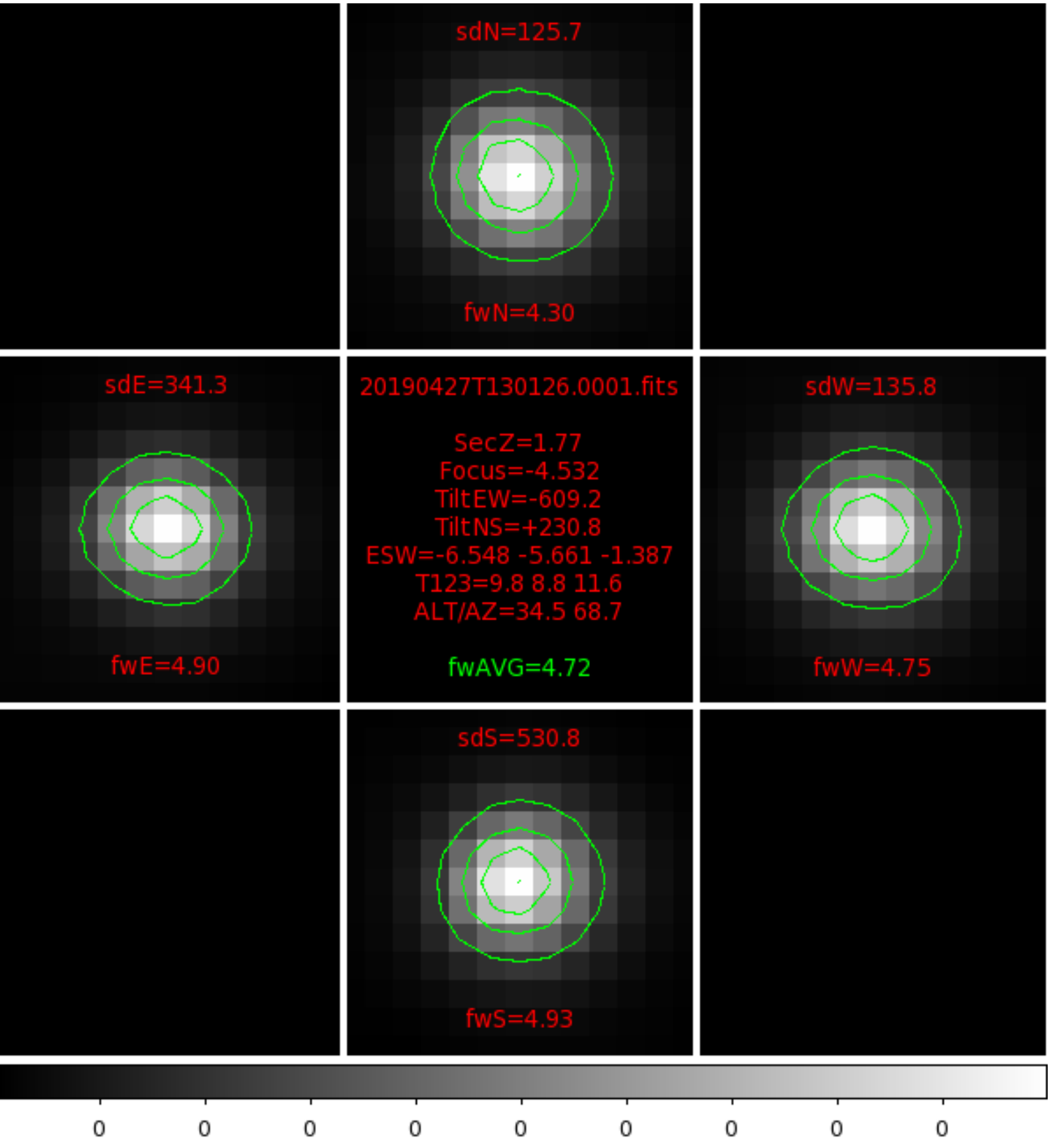
sdN=125.7
fwN=4.30
sdE=341.3
fwE=4.90
20190427T130126.0001.fits
SecZ=1.77
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=9.8 8.8 11.6
ALT/AZ=34.5 68.7
fwAVG=4.72
sdW=135.8
fwW=4.75
sdS=530.8
fwS=4.93
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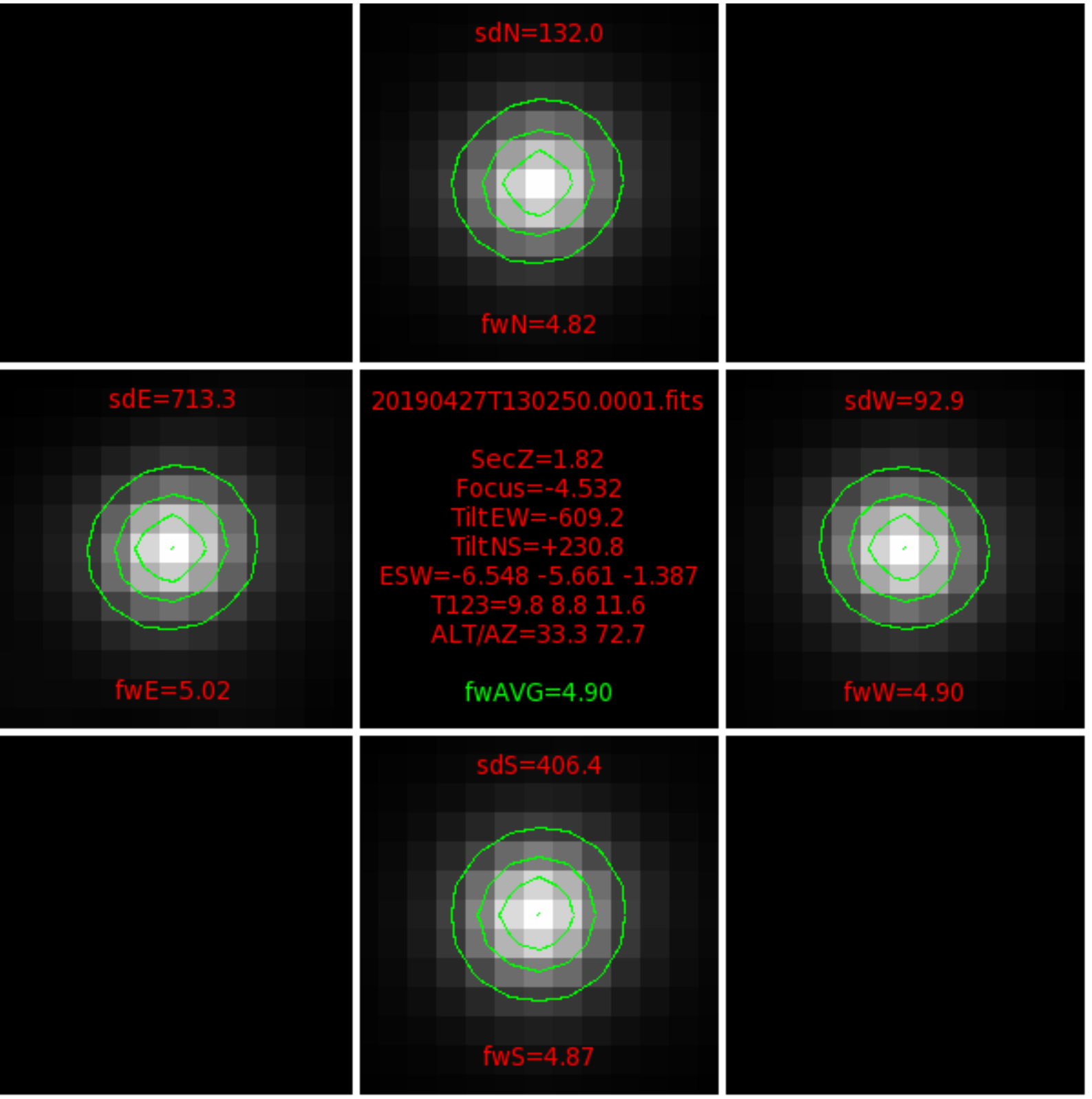
sdN=132.0
fwN=4.82
sdE=713.3
fwE=5.02
20190427T130250.0001.fits
SecZ=1.82
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=9.8 8.8 11.6
ALT/AZ=33.3 72.7
fwAVG=4.90
sdW=92.9
fwW=4.90
sdS=406.4
fwS=4.87
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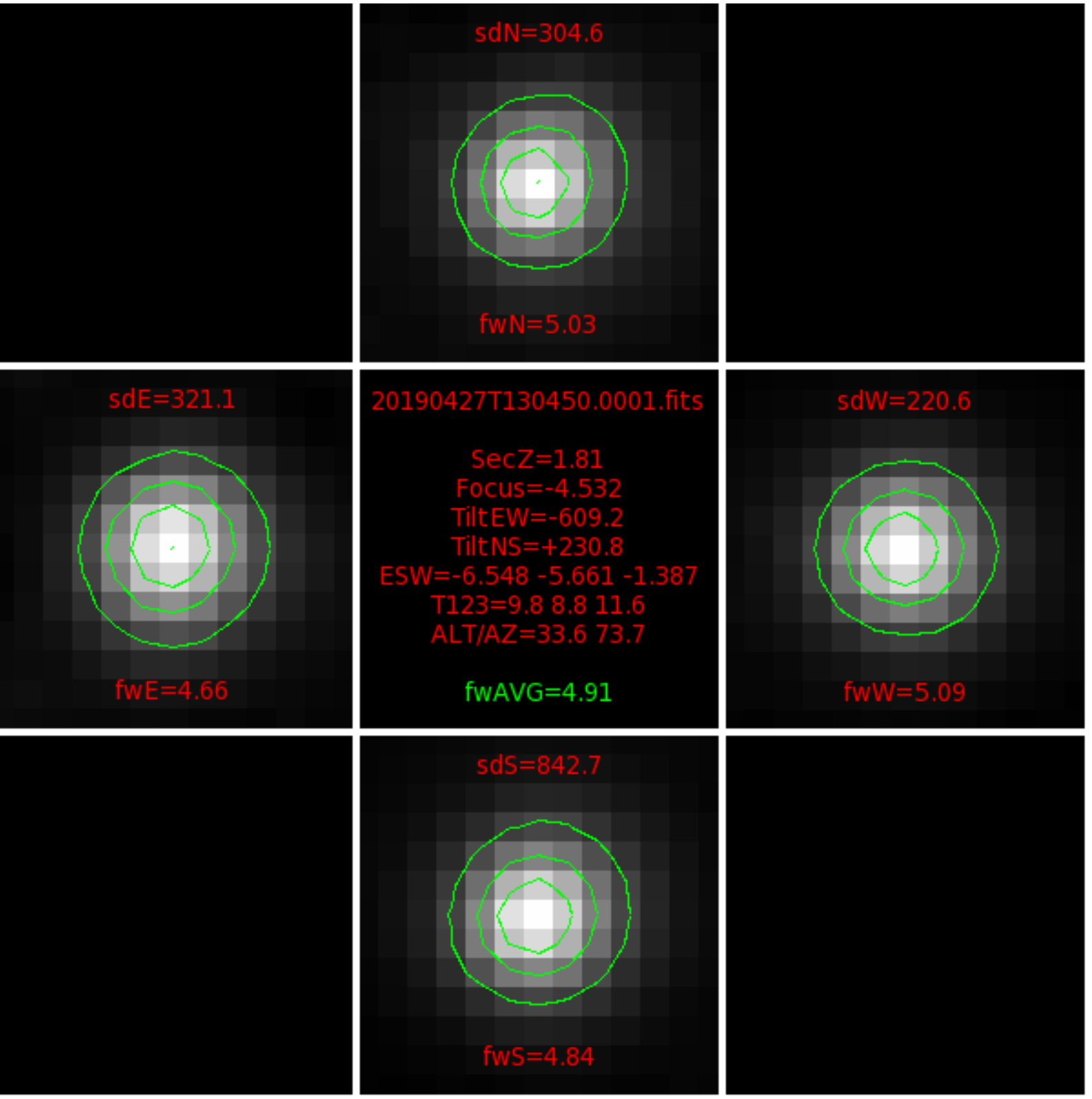
sdN=304.6
fwN=5.03
sdE=321.1
fwE=4.66
20190427T130450.0001.fits
SecZ=1.81
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=9.8 8.8 11.6
ALT/AZ=33.6 73.7
fwAVG=4.91
sdW=220.6
fwW=5.09
sdS=842.7
fwS=4.84
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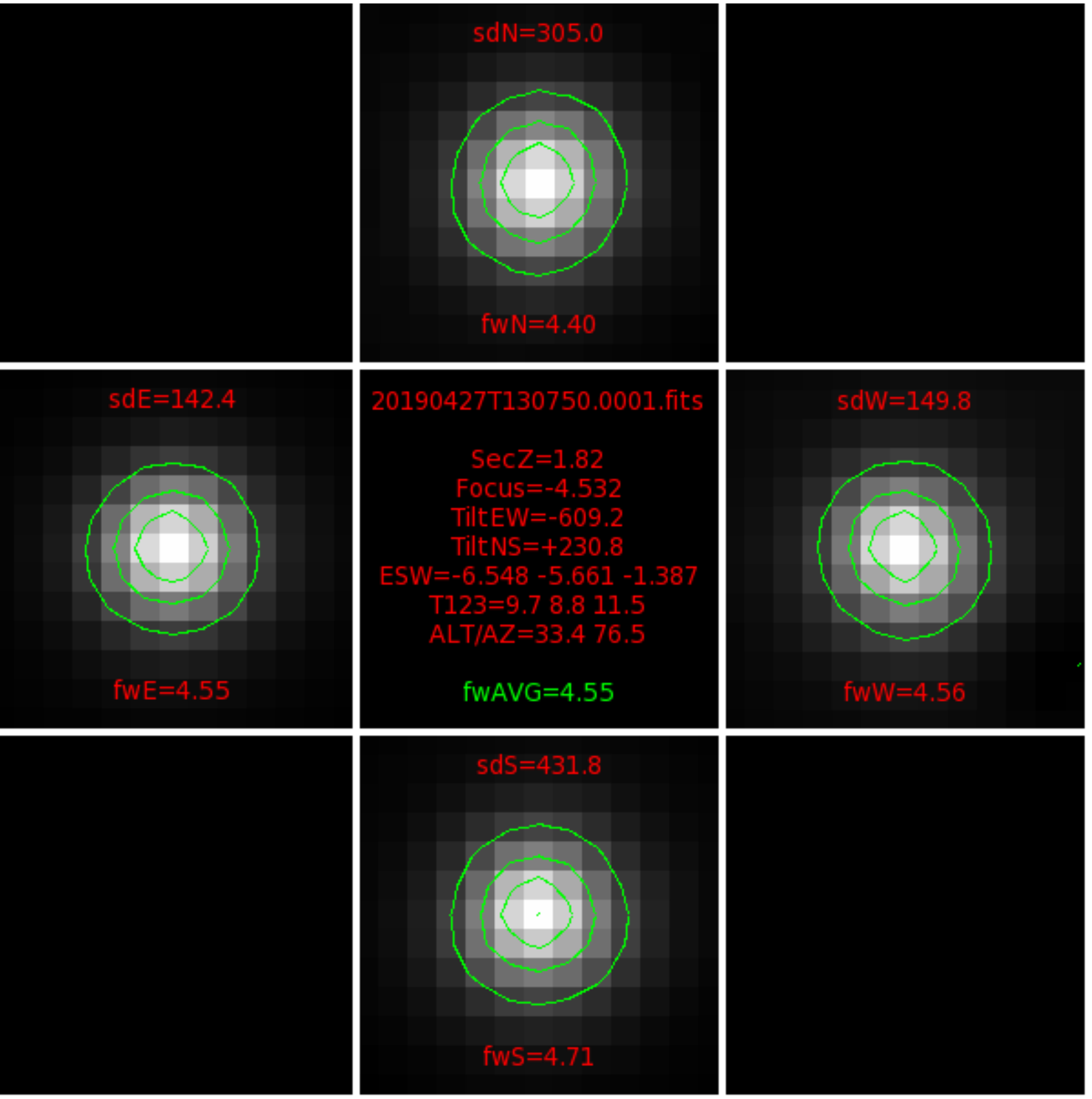
sdN=305.0
fwN=4.40
sdE=142.4
fwE=4.55
20190427T130750.0001.fits
SecZ=1.82
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=9.7 8.8 11.5
ALT/AZ=33.4 76.5
fwAVG=4.55
sdW=149.8
fwW=4.56
sdS=431.8
fwS=4.71
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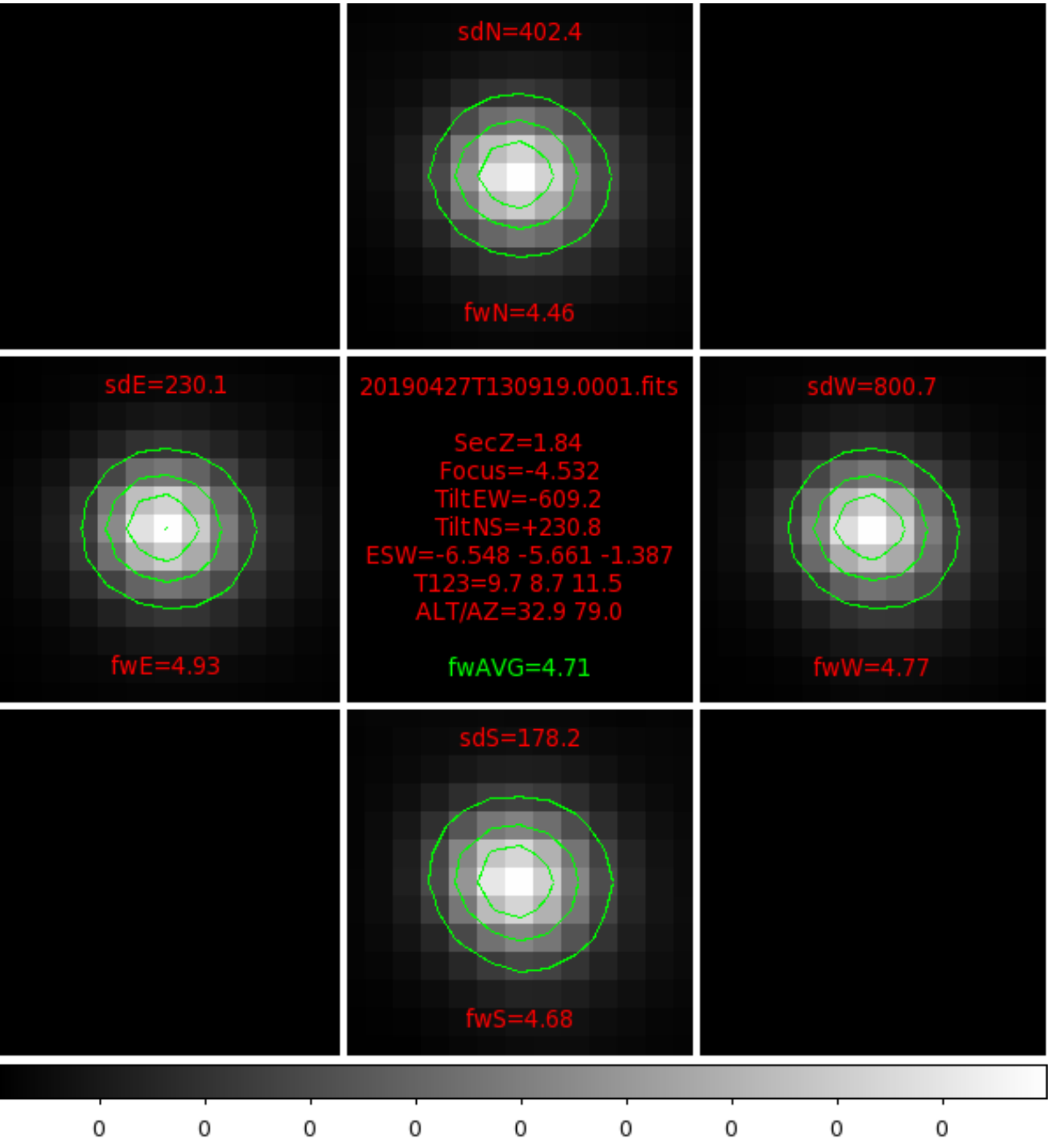
sdN=402.4
fwN=4.46
sdE=230.1
fwE=4.93
20190427T130919.0001.fits
SecZ=1.84
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=9.7 8.7 11.5
ALT/AZ=32.9 79.0
fwAVG=4.71
sdW=800.7
fwW=4.77
sdS=178.2
fwS=4.68
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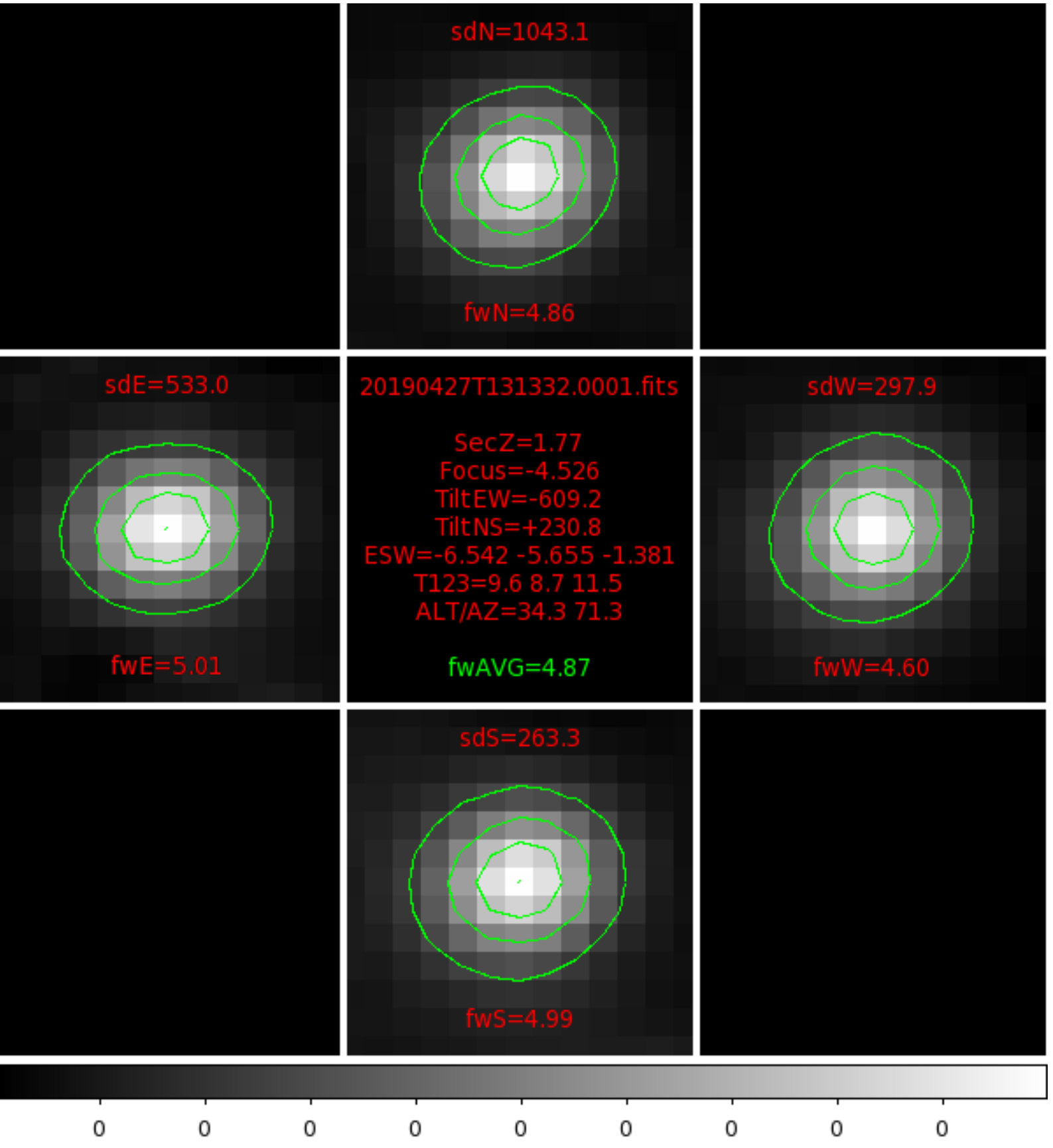
sdN=1043.1
fwN=4.86
sdE=533.0
fwE=5.01
20190427T131332.0001.fits
SecZ=1.77
Focus=-4.526
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.542 -5.655 -1.381
T123=9.6 8.7 11.5
ALT/AZ=34.3 71.3
fwAVG=4.87
sdW=297.9
fwW=4.60
sdS=263.3
fwS=4.99
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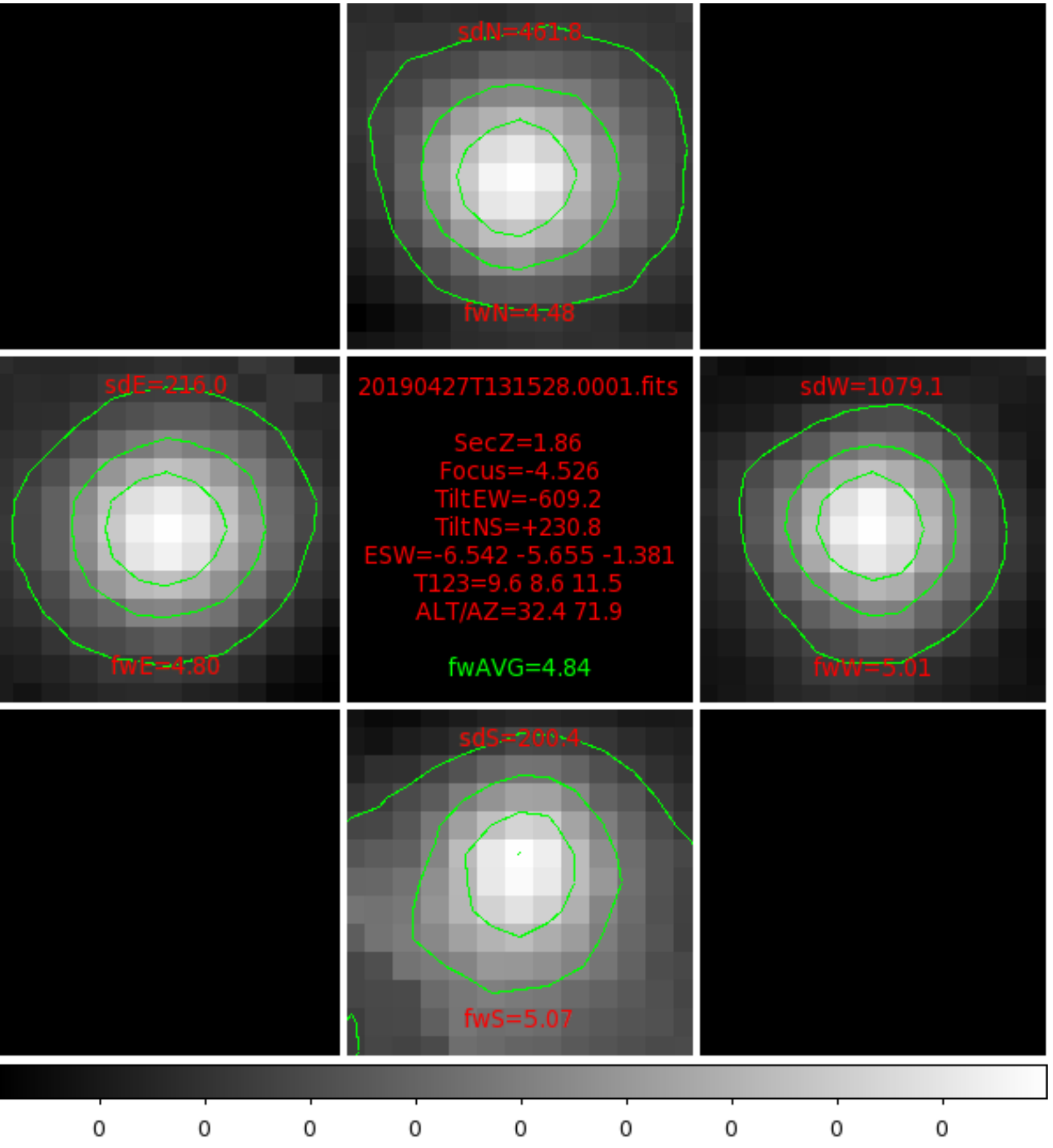
sdN=461.8
fwN=4.48
sdE=216.0
fwE=4.80
20190427T131528.0001.fits
SecZ=1.86
Focus=-4.526
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.542 -5.655 -1.381
T123=9.6 8.6 11.5
ALT/AZ=32.4 71.9
fwAVG=4.84
sdW=1079.1
fwW=5.01
sdS=200.4
fwS=5.07
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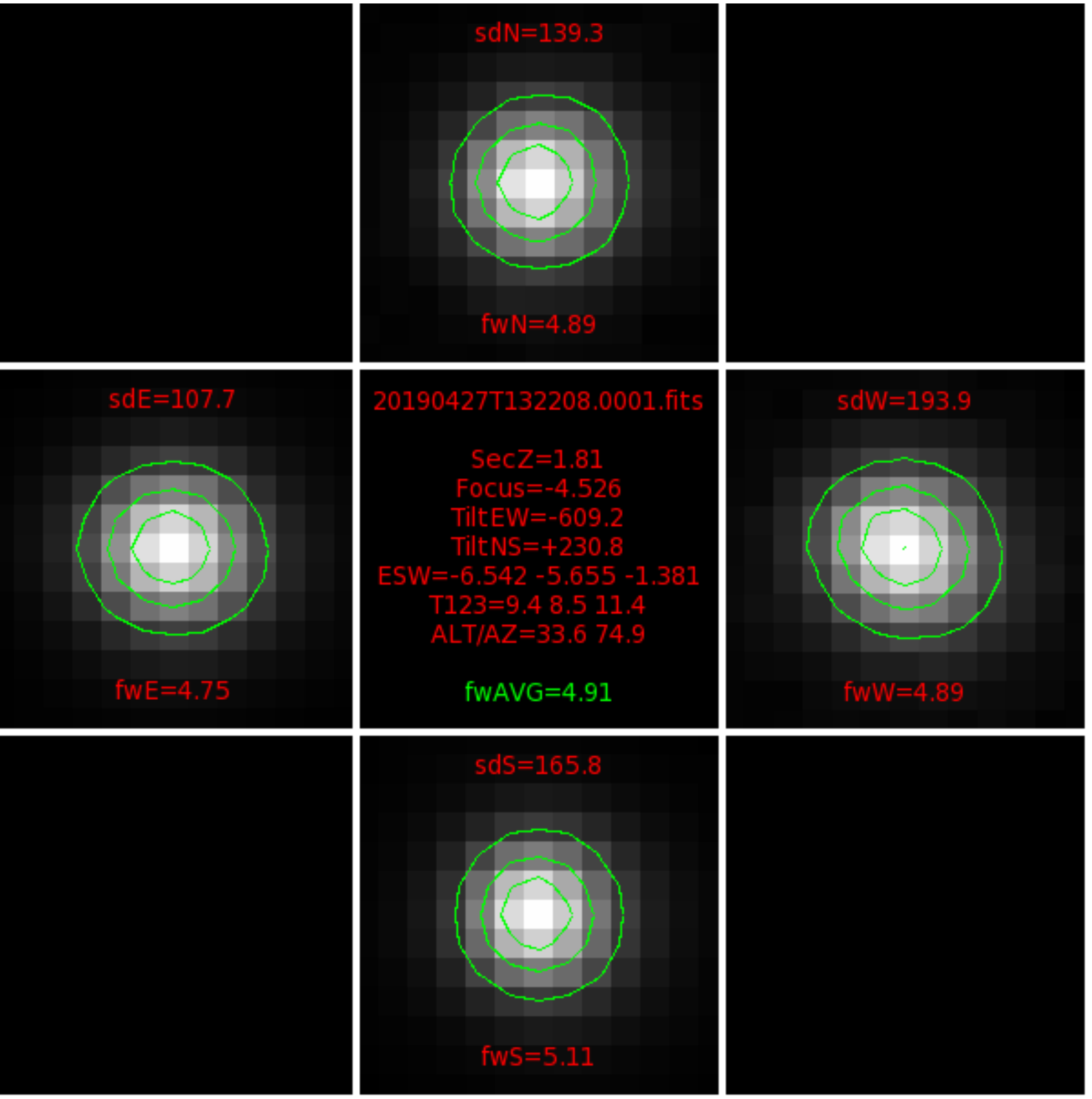
sdN=139.3
fwN=4.89
sdE=107.7
fwE=4.75
20190427T132208.0001.fits
SecZ=1.81
Focus=-4.526
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.542 -5.655 -1.381
T123=9.4 8.5 11.4
ALT/AZ=33.6 74.9
fwAVG=4.91
sdW=193.9
fwW=4.89
sdS=165.8
fwS=5.11
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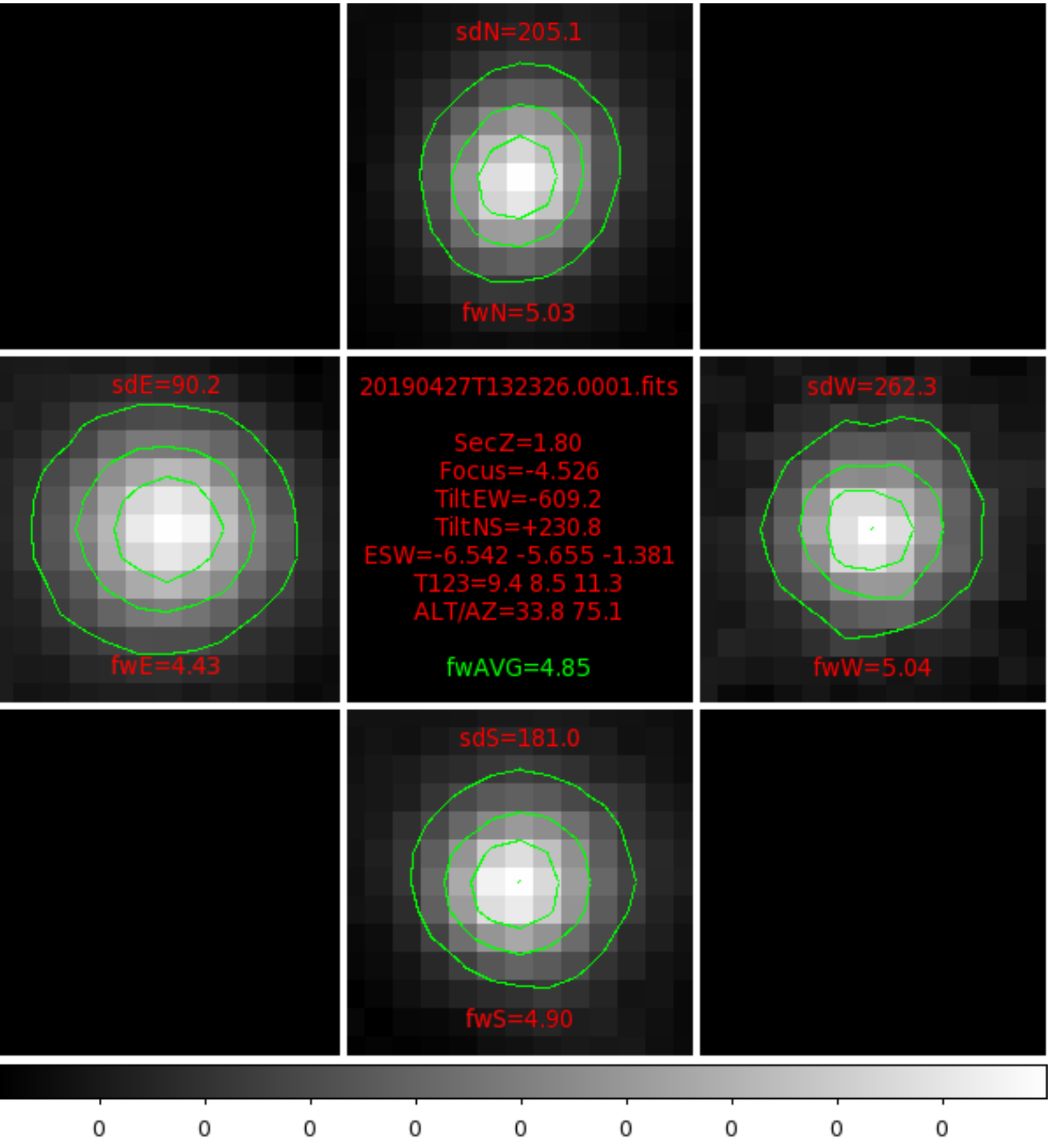
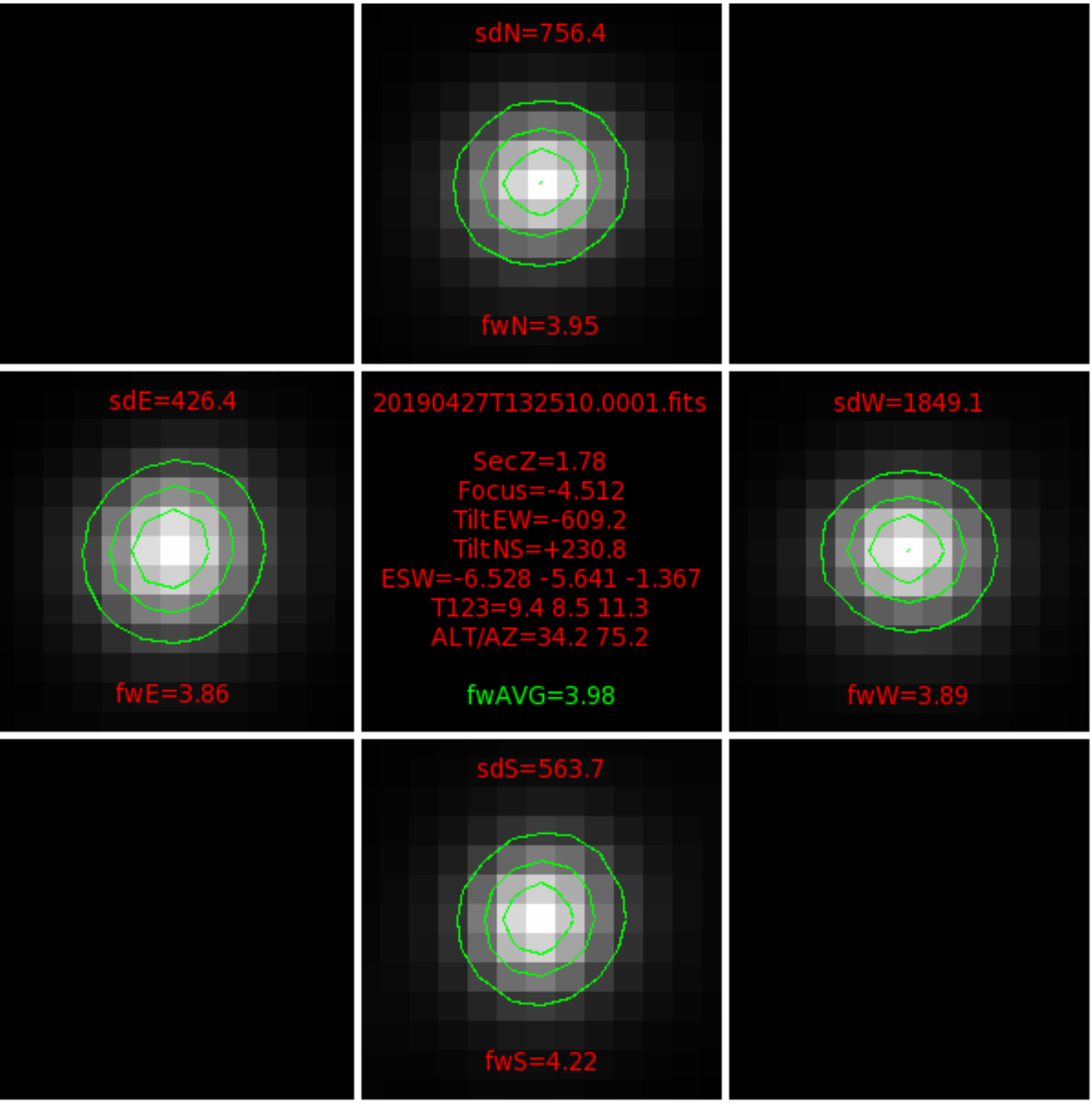

sdN=205.1
fwN=5.03
sdE=90.2
fwE=4.43
20190427T132326.0001.fits
SecZ=1.80
Focus=-4.526
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.542 -5.655 -1.381
T123=9.4 8.5 11.3
ALT/AZ=33.8 75.1
fwAVG=4.85
sdW=262.3
fwW=5.04
sdS=181.0
fwS=4.90
0 0 0 0 0 0 0 0 0


sdN=756.4
fwN=3.95
sdE=426.4
fwE=3.86
20190427T132510.0001.fits
SecZ=1.78
Focus=-4.512
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.528 -5.641 -1.367
T123=9.4 8.5 11.3
ALT/AZ=34.2 75.2
fwAVG=3.98
sdW=1849.1
fwW=3.89
sdS=563.7
fwS=4.22
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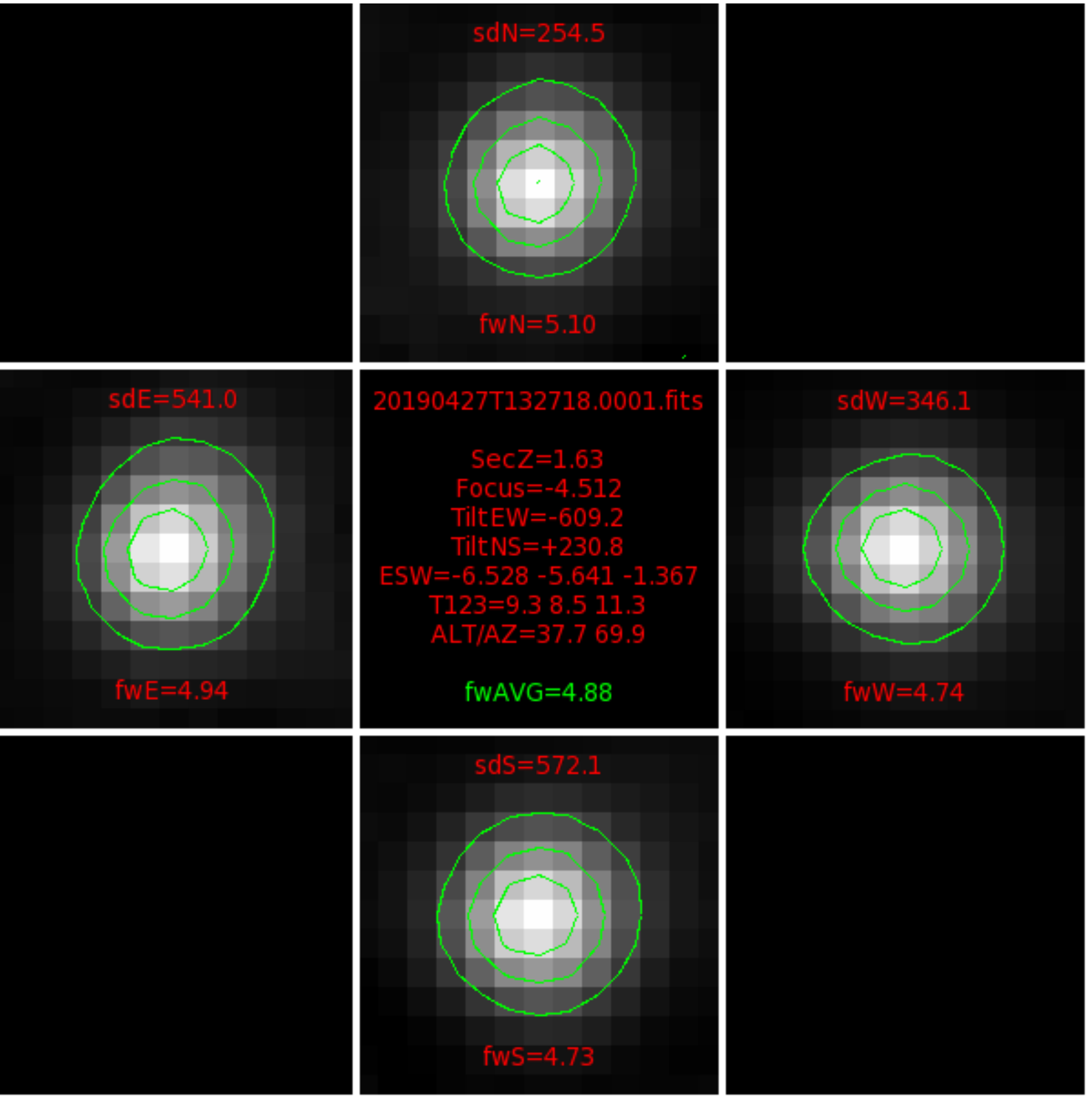
sdN=254.5
fwN=5.10
sdE=541.0
fwE=4.94
20190427T132718.0001.fits
SecZ=1.63
Focus=-4.512
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.528 -5.641 -1.367
T123=9.3 8.5 11.3
ALT/AZ=37.7 69.9
fwAVG=4.88
sdW=346.1
fwW=4.74
sdS=572.1
fwS=4.73
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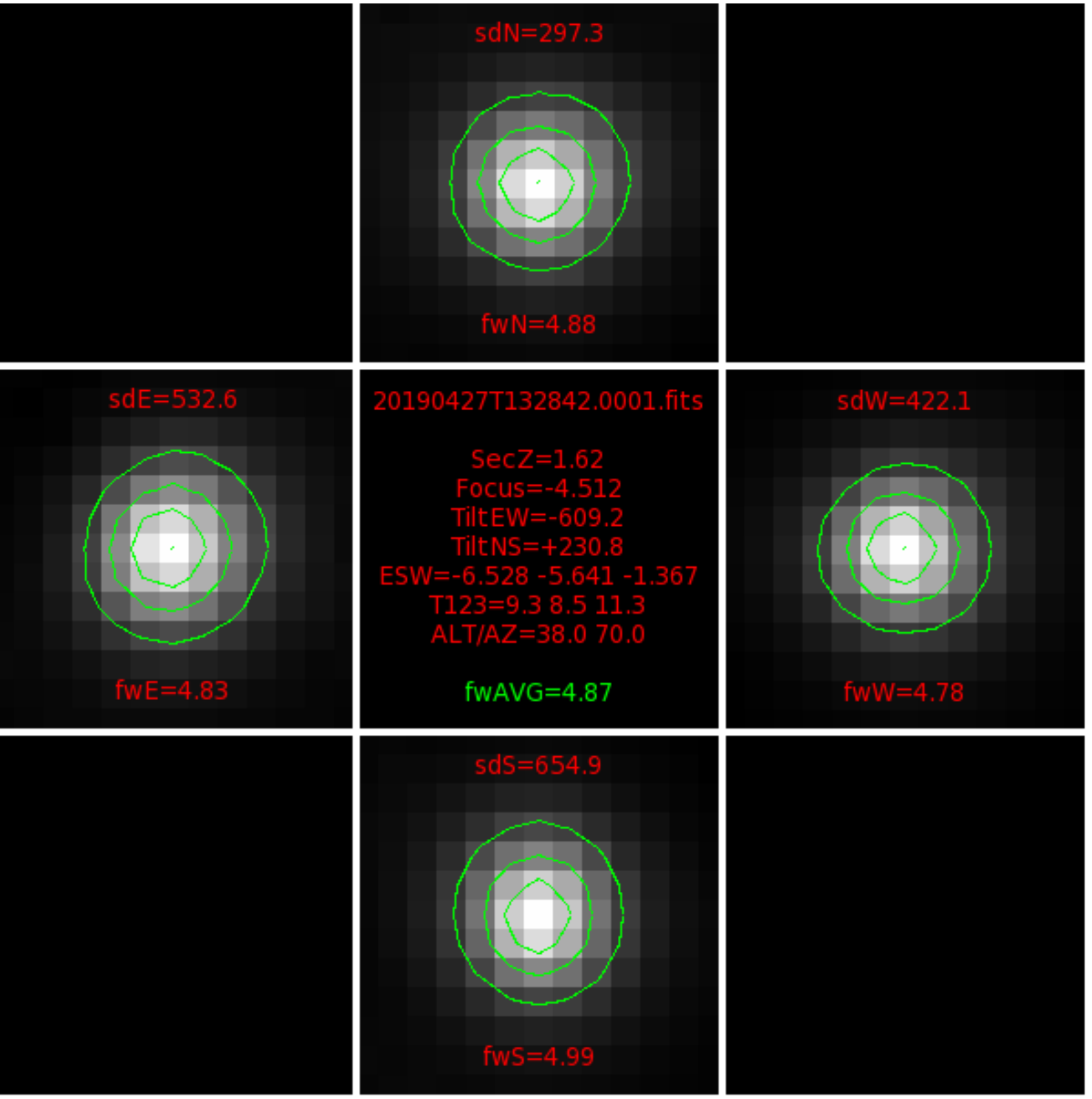
sdN=297.3
fwN=4.88
sdE=532.6
fwE=4.83
20190427T132842.0001.fits
SecZ=1.62
Focus=-4.512
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.528 -5.641 -1.367
T123=9.3 8.5 11.3
ALT/AZ=38.0 70.0
fwAVG=4.87
sdW=422.1
fwW=4.78
sdS=654.9
fwS=4.99
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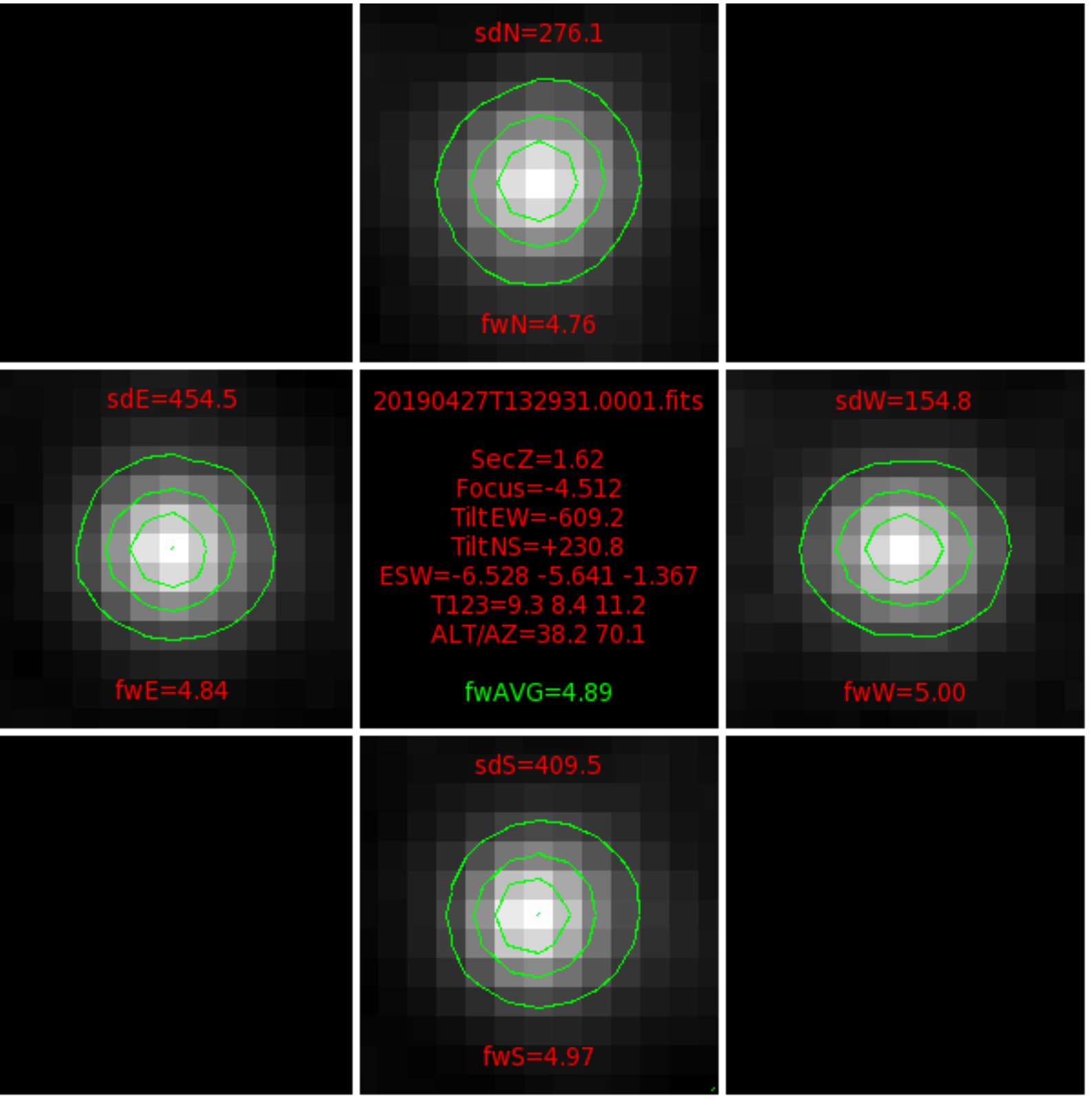
sdN=276.1
fwN=4.76
sdE=454.5
fwE=4.84
20190427T132931.0001.fits
SecZ=1.62
Focus=-4.512
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.528 -5.641 -1.367
T123=9.3 8.4 11.2
ALT/AZ=38.2 70.1
fwAVG=4.89
sdW=154.8
fwW=5.00
sdS=409.5
fwS=4.97
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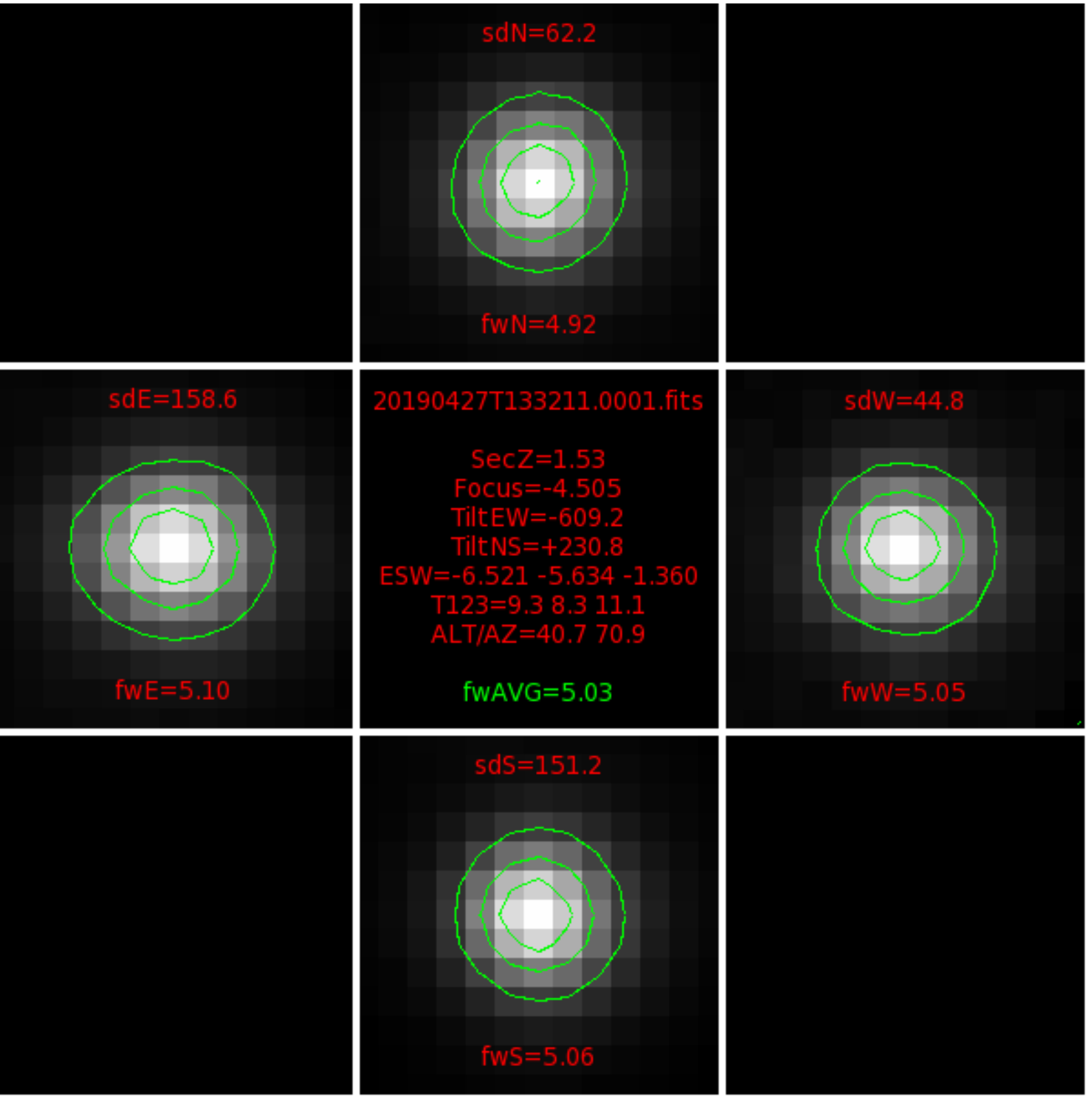
sdN=62.2
fwN=4.92
sdE=158.6
fwE=5.10
20190427T133211.0001.fits
SecZ=1.53
Focus=-4.505
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.521 -5.634 -1.360
T123=9.3 8.3 11.1
ALT/AZ=40.7 70.9
fwAVG=5.03
sdW=44.8
fwW=5.05
sdS=151.2
fwS=5.06
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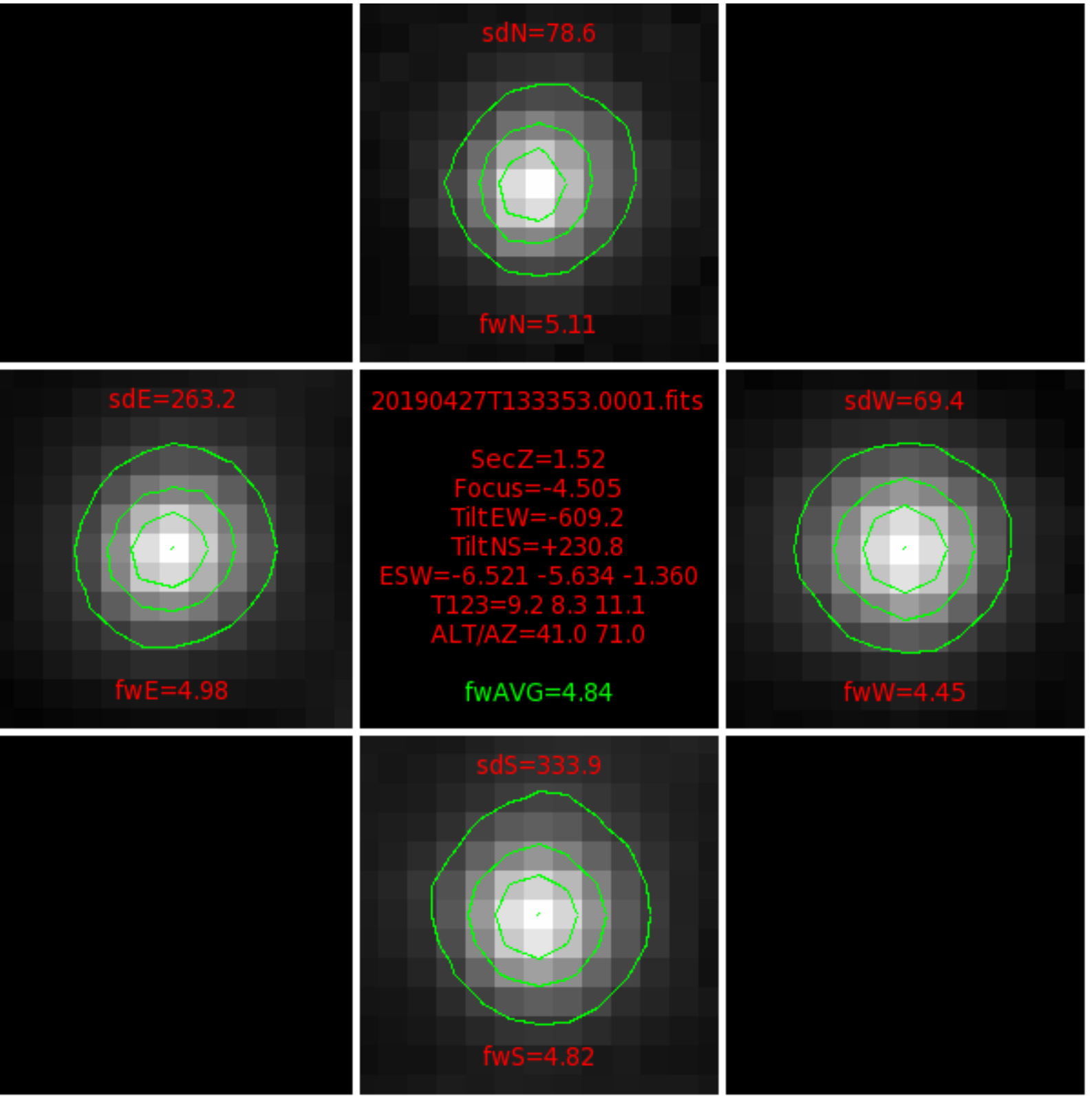
sdN=78.6
fwN=5.11
sdE=263.2
fwE=4.98
20190427T133353.0001.fits
SecZ=1.52
Focus=-4.505
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.521 -5.634 -1.360
T123=9.2 8.3 11.1
ALT/AZ=41.0 71.0
fwAVG=4.84
sdW=69.4
fwW=4.45
sdS=333.9
fwS=4.82
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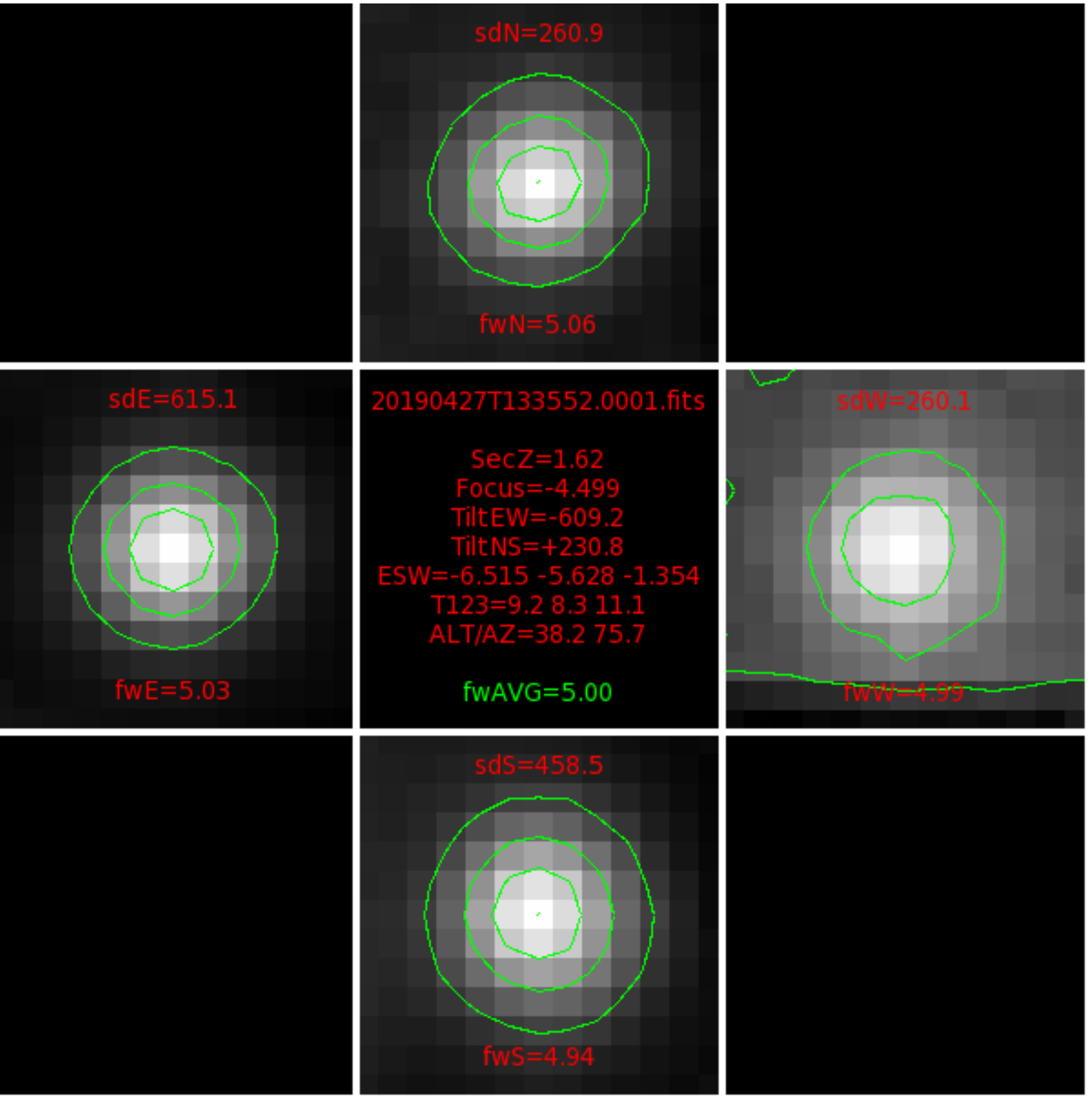
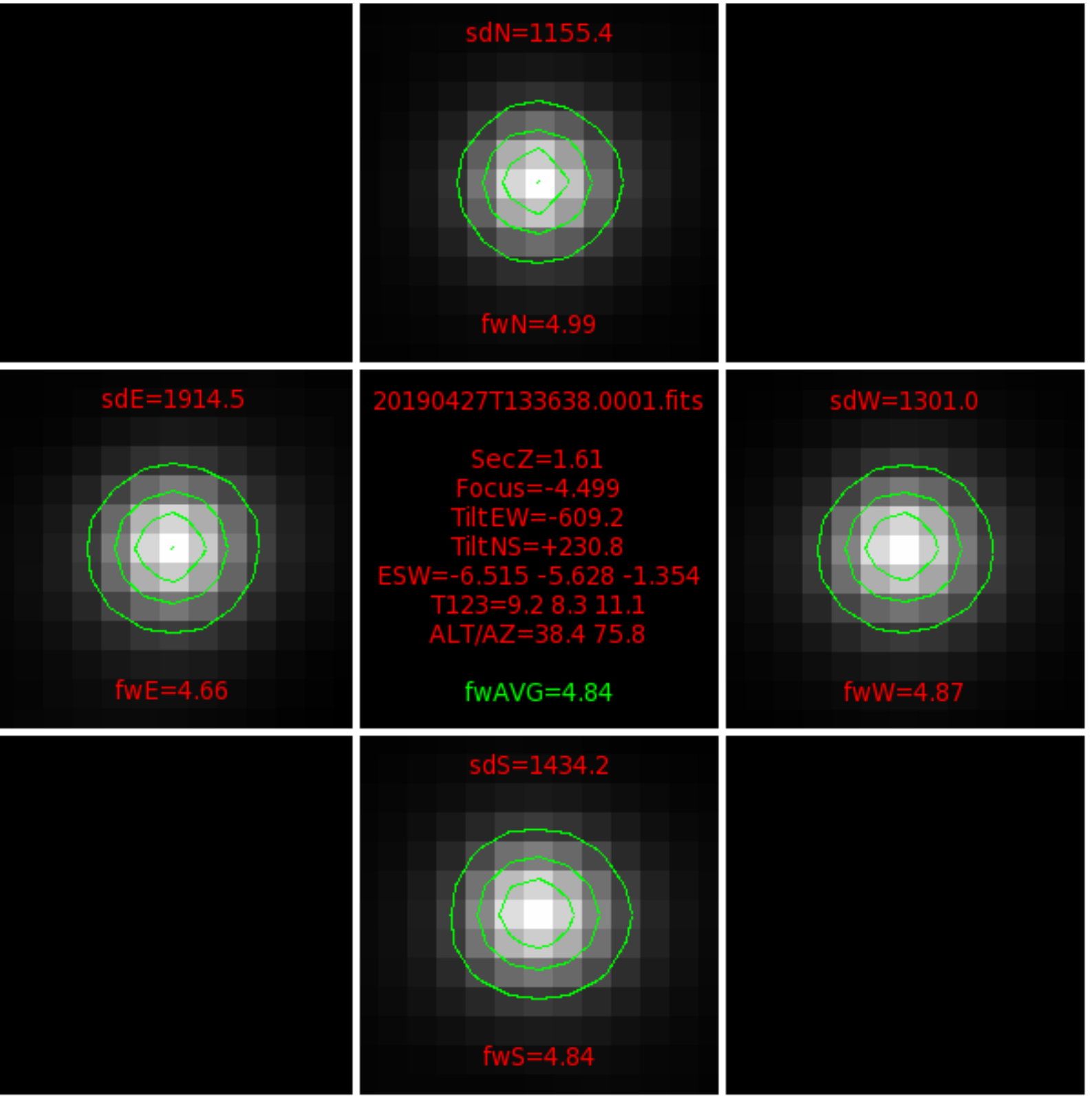
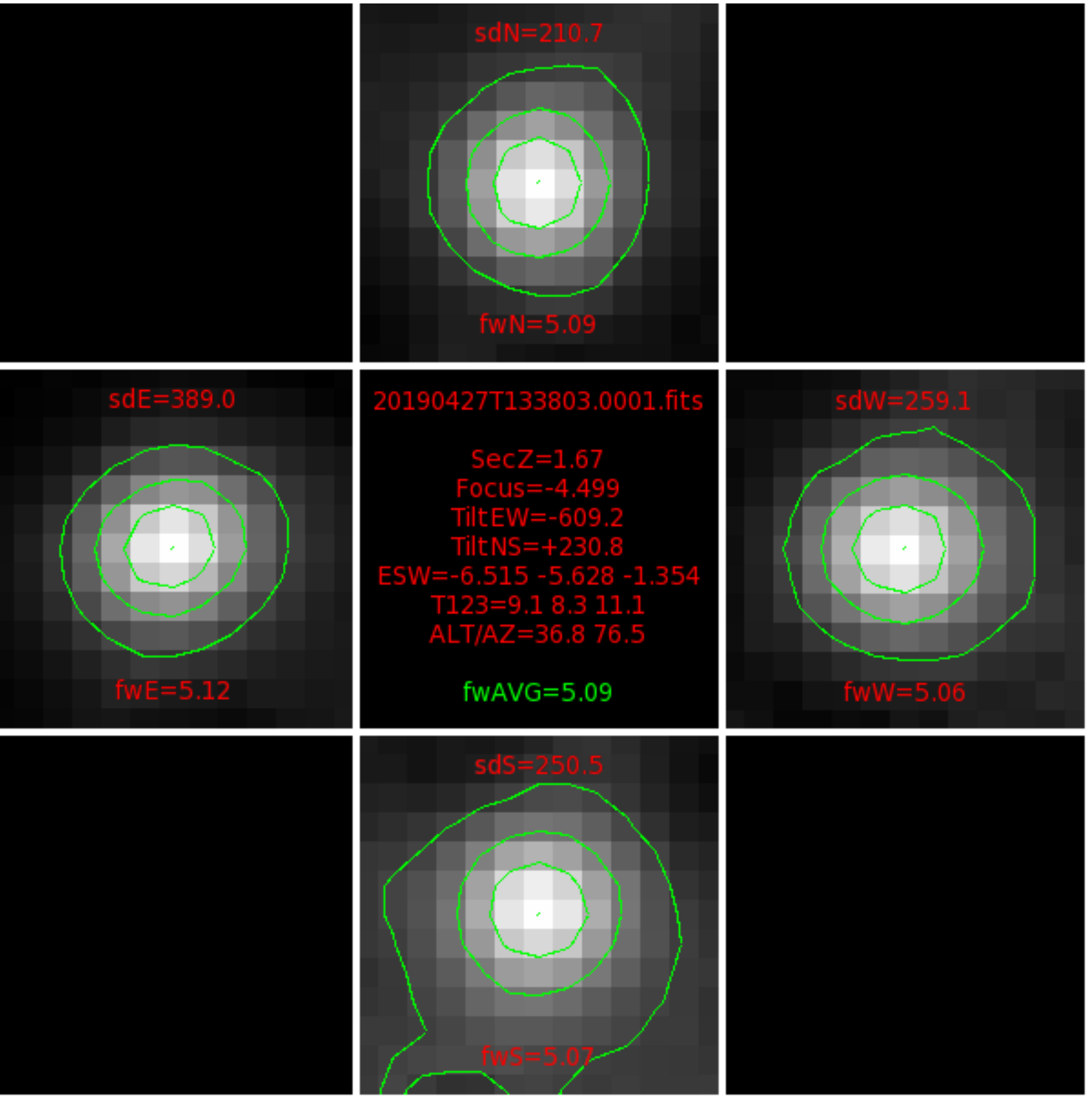

sdN=260.9
fwN=5.06
sdE=615.1
fwE=5.03
20190427T133552.0001.fits
SecZ=1.62
Focus=-4.499
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.515 -5.628 -1.354
T123=9.2 8.3 11.1
ALT/AZ=38.2 75.7
fwAVG=5.00
sdW=260.1
fwW=4.99
sdS=458.5
fwS=4.94
0 0 0 0 0 0 0 0 0


sdN=1155.4
fwN=4.99
sdE=1914.5
fwE=4.66
20190427T133638.0001.fits
SecZ=1.61
Focus=-4.499
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.515 -5.628 -1.354
T123=9.2 8.3 11.1
ALT/AZ=38.4 75.8
fwAVG=4.84
sdW=1301.0
fwW=4.87
sdS=1434.2
fwS=4.84
0 0 0 0 0 0 0 0 0


sdN=210.7
fwN=5.09
sdE=389.0
fwE=5.12
20190427T133803.0001.fits
SecZ=1.67
Focus=-4.499
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.515 -5.628 -1.354
T123=9.1 8.3 11.1
ALT/AZ=36.8 76.5
fwAVG=5.09
sdW=259.1
fwW=5.06
sdS=250.5
fwS=5.07
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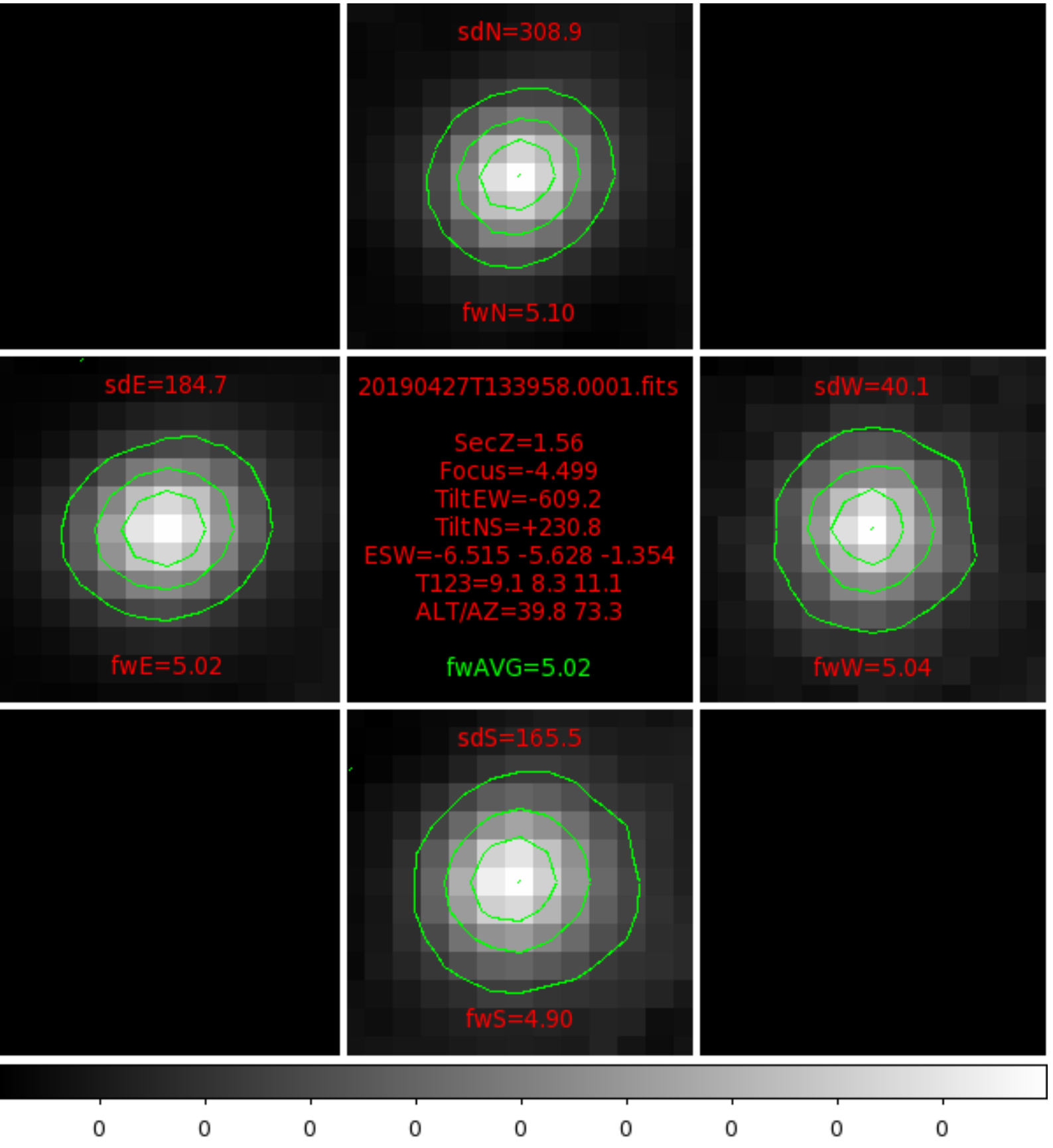
sdN=308.9
fwN=5.10
sdE=184.7
fwE=5.02
20190427T133958.0001.fits
SecZ=1.56
Focus=-4.499
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.515 -5.628 -1.354
T123=9.1 8.3 11.1
ALT/AZ=39.8 73.3
fwAVG=5.02
sdW=40.1
fwW=5.04
sdS=165.5
fwS=4.90
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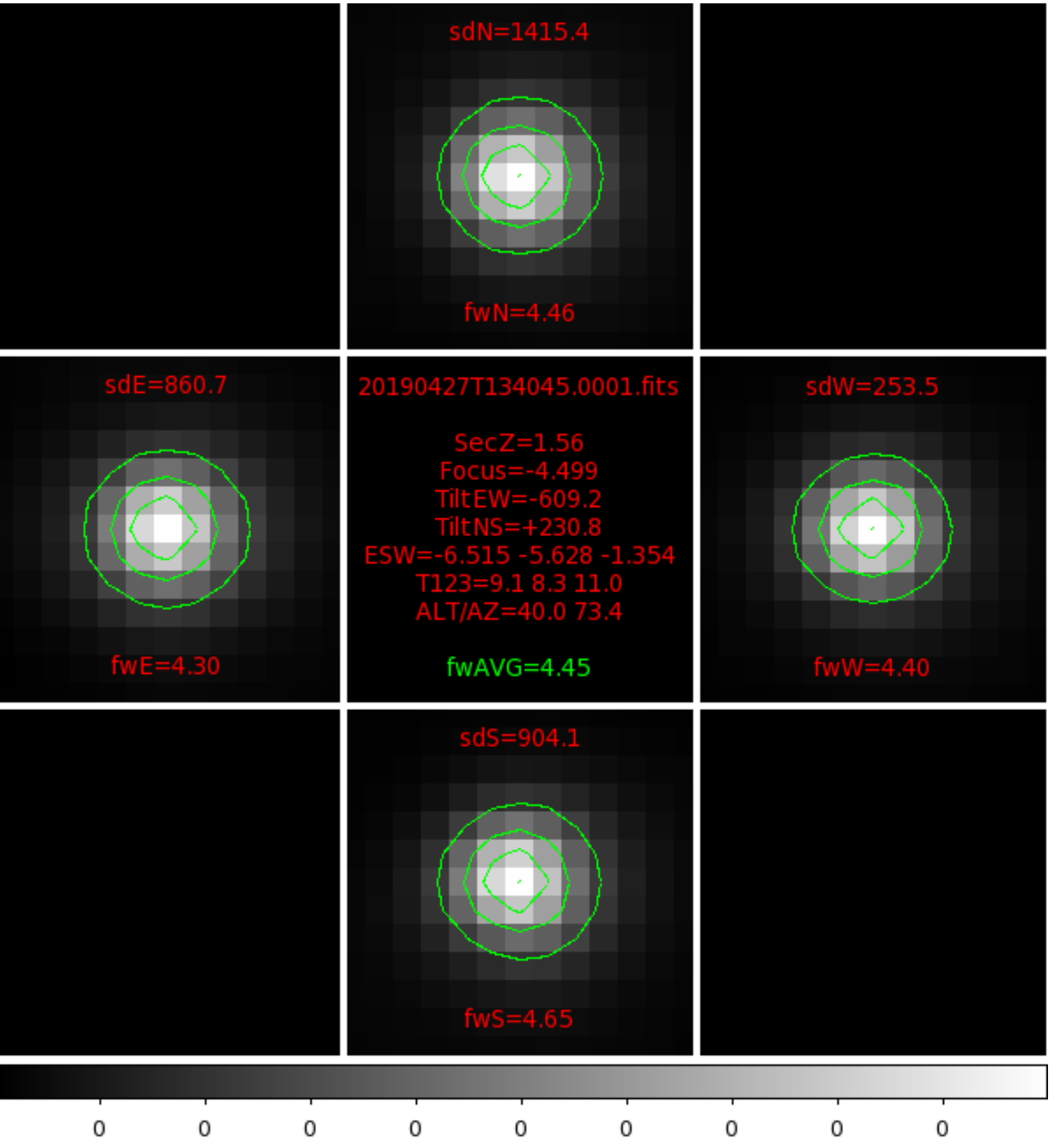
sdN=1415.4
fwN=4.46
sdE=860.7
fwE=4.30
20190427T134045.0001.fits
SecZ=1.56
Focus=-4.499
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.515 -5.628 -1.354
T123=9.1 8.3 11.0
ALT/AZ=40.0 73.4
fwAVG=4.45
sdW=253.5
fwW=4.40
sdS=904.1
fwS=4.65
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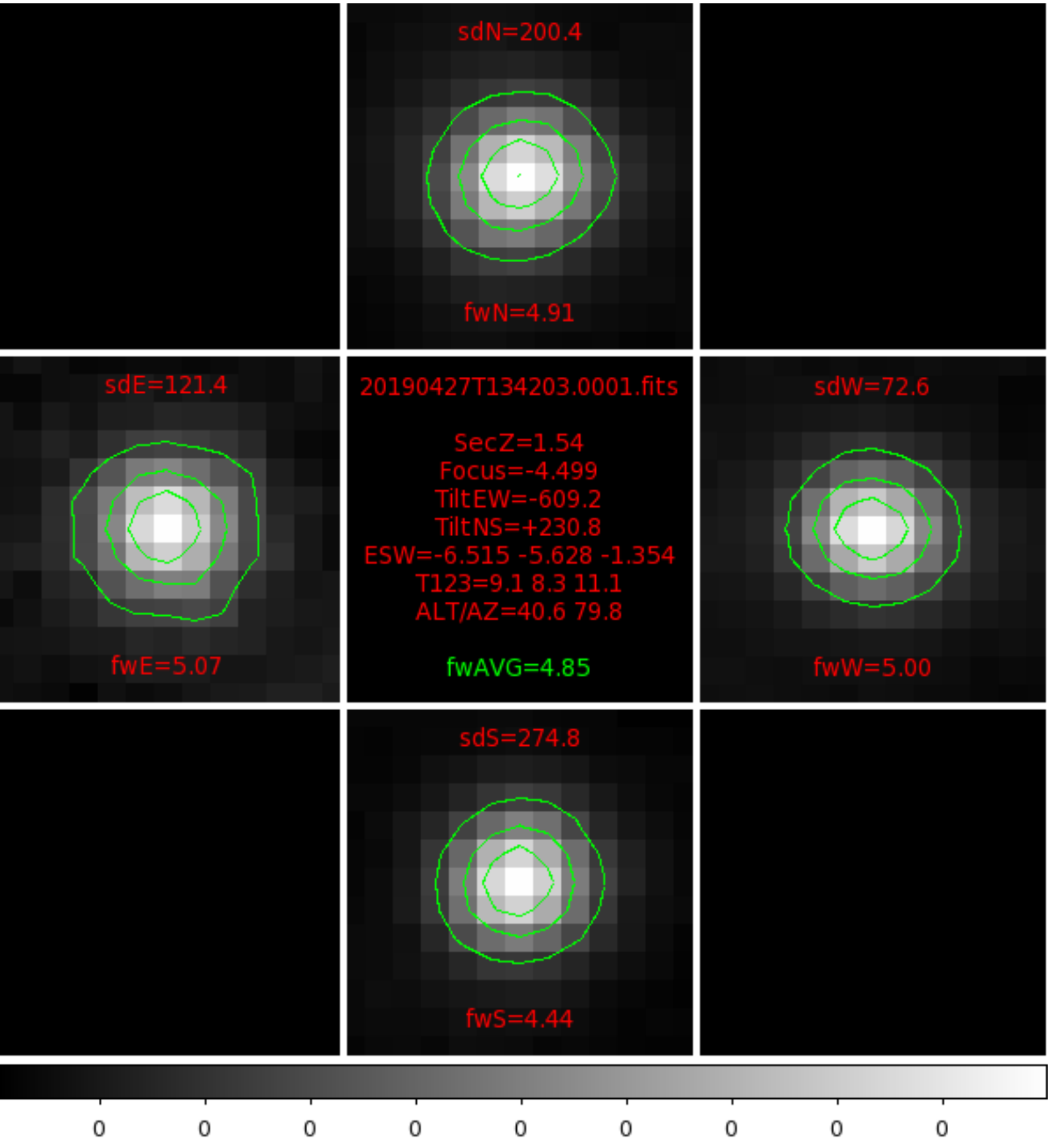
sdN=200.4
fwN=4.91
sdE=121.4
fwE=5.07
20190427T134203.0001.fits
SecZ=1.54
Focus=-4.499
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.515 -5.628 -1.354
T123=9.1 8.3 11.1
ALT/AZ=40.6 79.8
fwAVG=4.85
sdW=72.6
fwW=5.00
sdS=274.8
fwS=4.44
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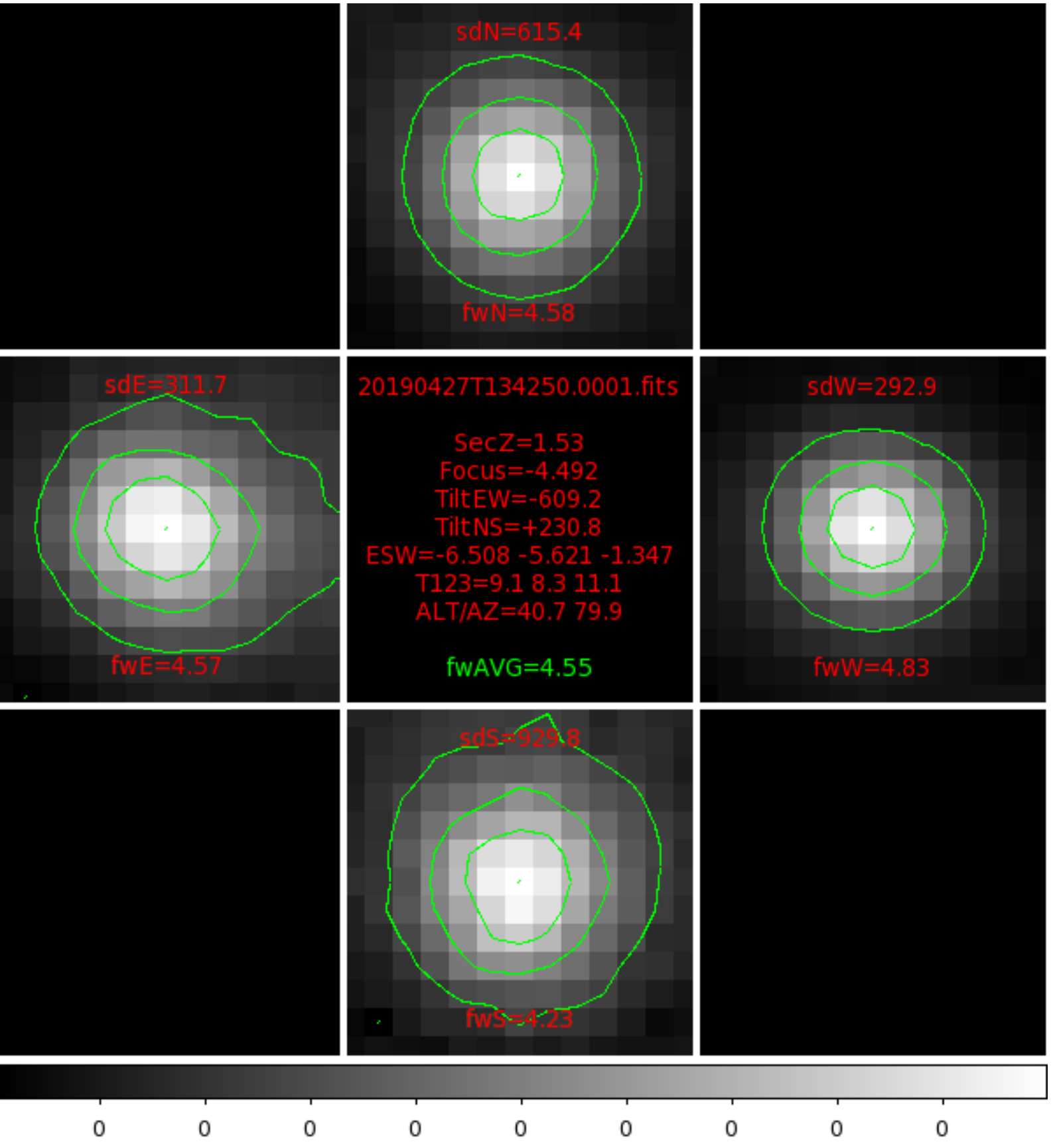
sdN=615.4
fwN=4.58
sdE=311.7
fwE=4.57
20190427T134250.0001.fits
SecZ=1.53
Focus=-4.492
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.508 -5.621 -1.347
T123=9.1 8.3 11.1
ALT/AZ=40.7 79.9
fwAVG=4.55
sdW=292.9
fwW=4.83
sdS=929.8
fwS=4.23
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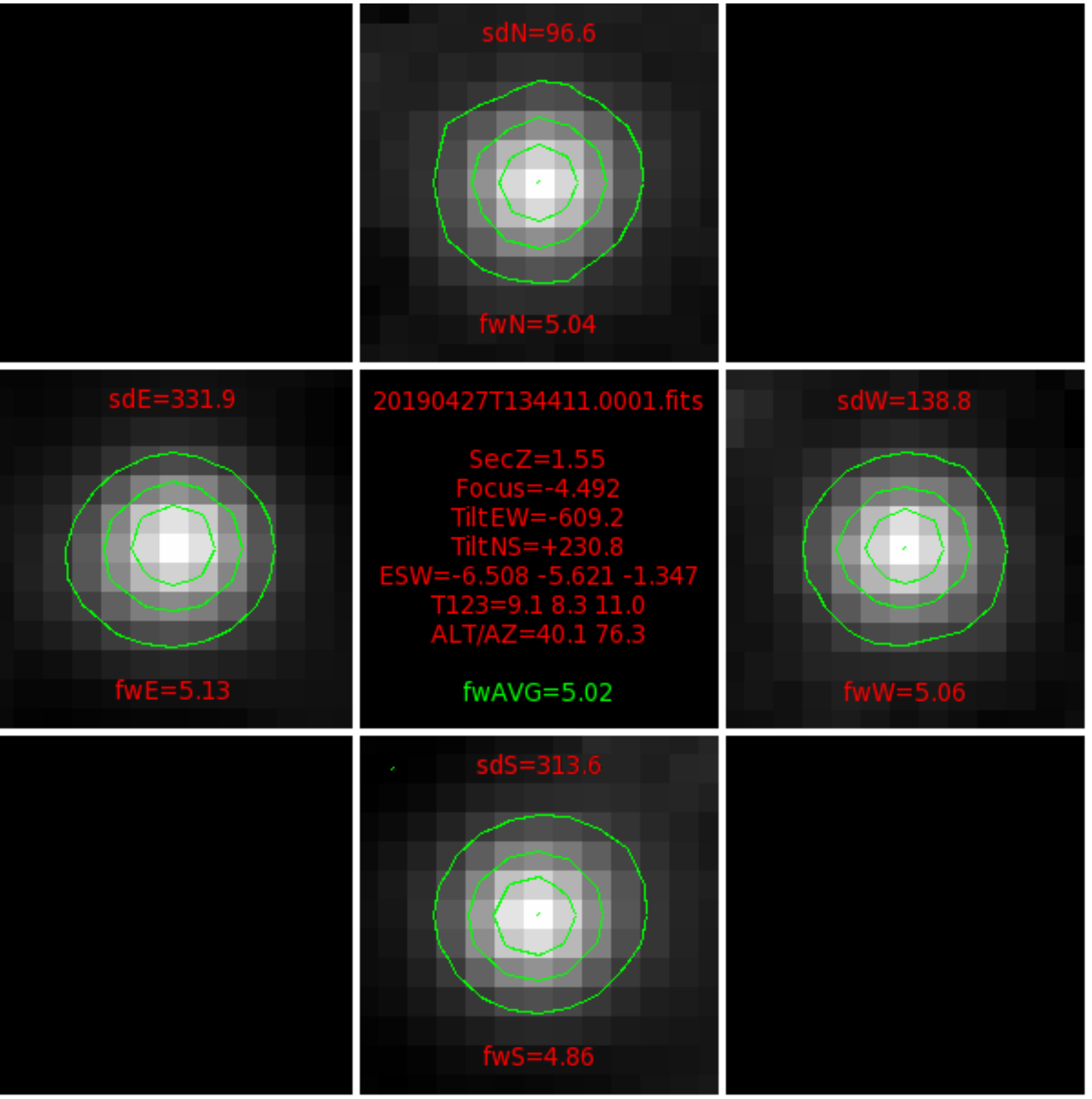
sdN=96.6
fwN=5.04
sdE=331.9
fwE=5.13
20190427T134411.0001.fits
SecZ=1.55
Focus=-4.492
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.508 -5.621 -1.347
T123=9.1 8.3 11.0
ALT/AZ=40.1 76.3
fwAVG=5.02
sdW=138.8
fwW=5.06
sdS=313.6
fwS=4.86
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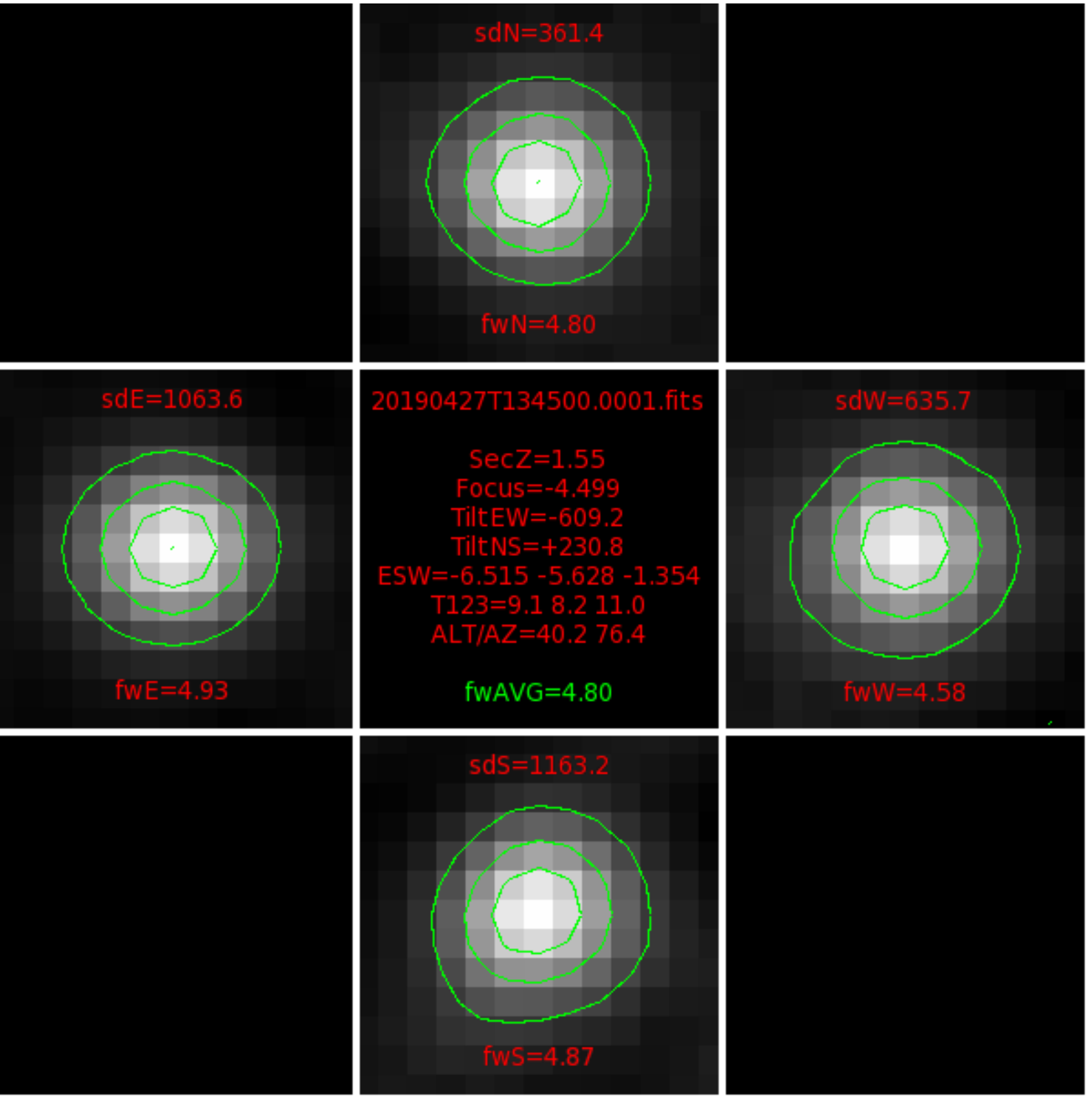
sdN=361.4
fwN=4.80
sdE=1063.6
fwE=4.93
20190427T134500.0001.fits
SecZ=1.55
Focus=-4.499
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.515 -5.628 -1.354
T123=9.1 8.2 11.0
ALT/AZ=40.2 76.4
fwAVG=4.80
sdW=635.7
fwW=4.58
sdS=1163.2
fwS=4.87
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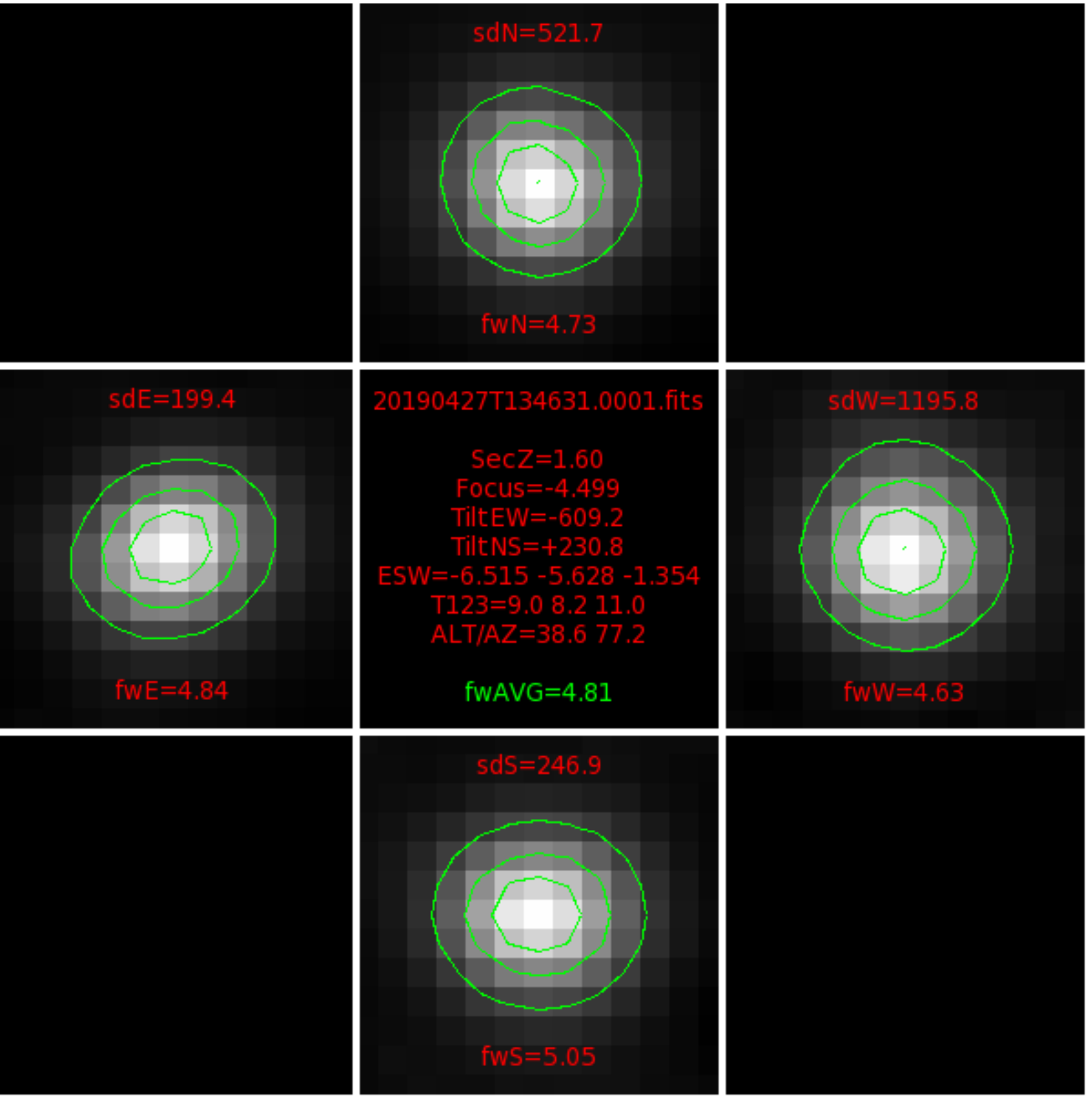
sdN=521.7
fwN=4.73
sdE=199.4
fwE=4.84
20190427T134631.0001.fits
SecZ=1.60
Focus=-4.499
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.515 -5.628 -1.354
T123=9.0 8.2 11.0
ALT/AZ=38.6 77.2
fwAVG=4.81
sdW=1195.8
fwW=4.63
sdS=246.9
fwS=5.05
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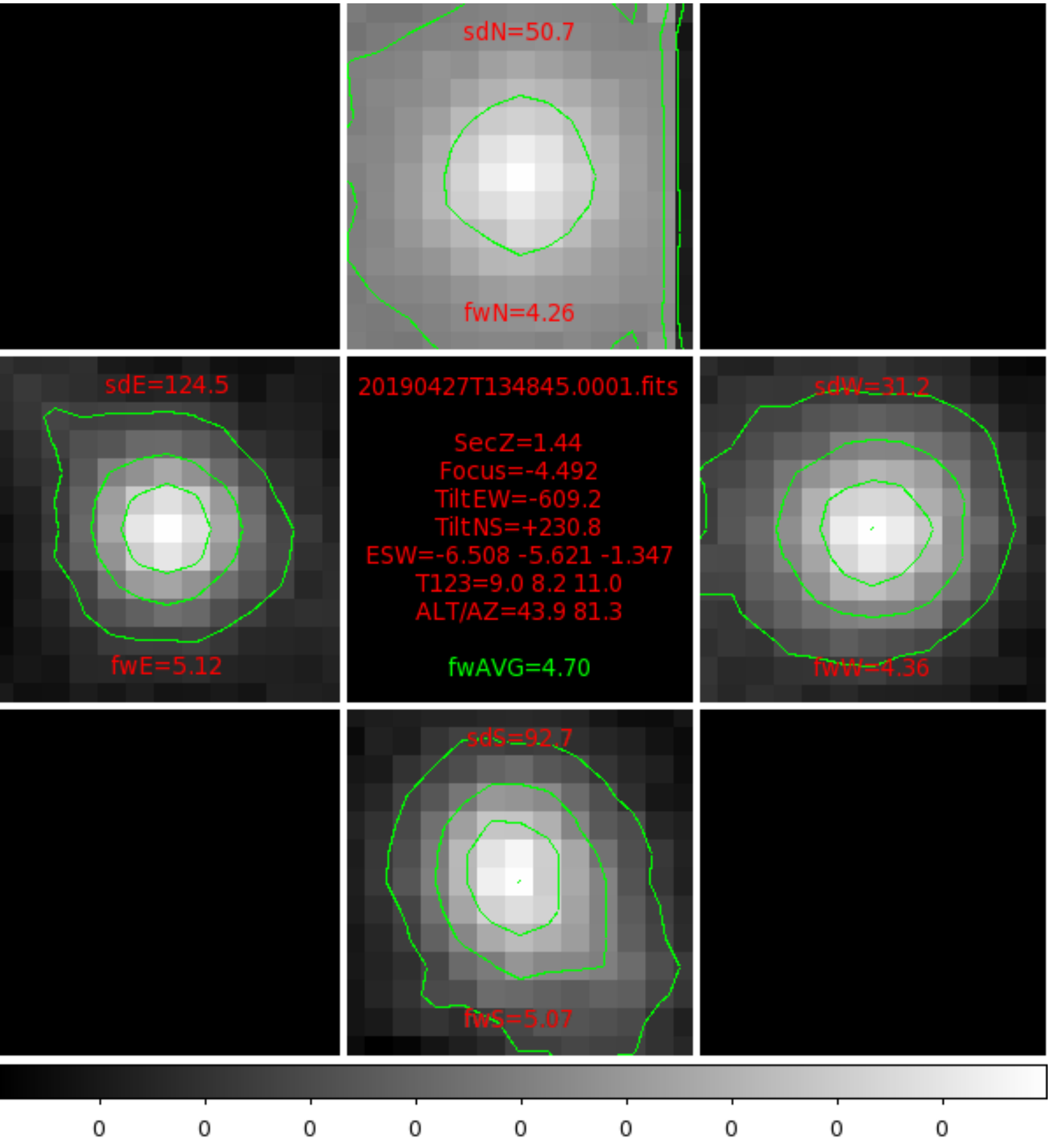
sdN=50.7
fwN=4.26
sdE=124.5
fwE=5.12
20190427T134845.0001.fits
SecZ=1.44
Focus=-4.492
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.508 -5.621 -1.347
T123=9.0 8.2 11.0
ALT/AZ=43.9 81.3
fwAVG=4.70
sdW=31.2
fwW=4.36
sdS=92.7
fwS=5.07
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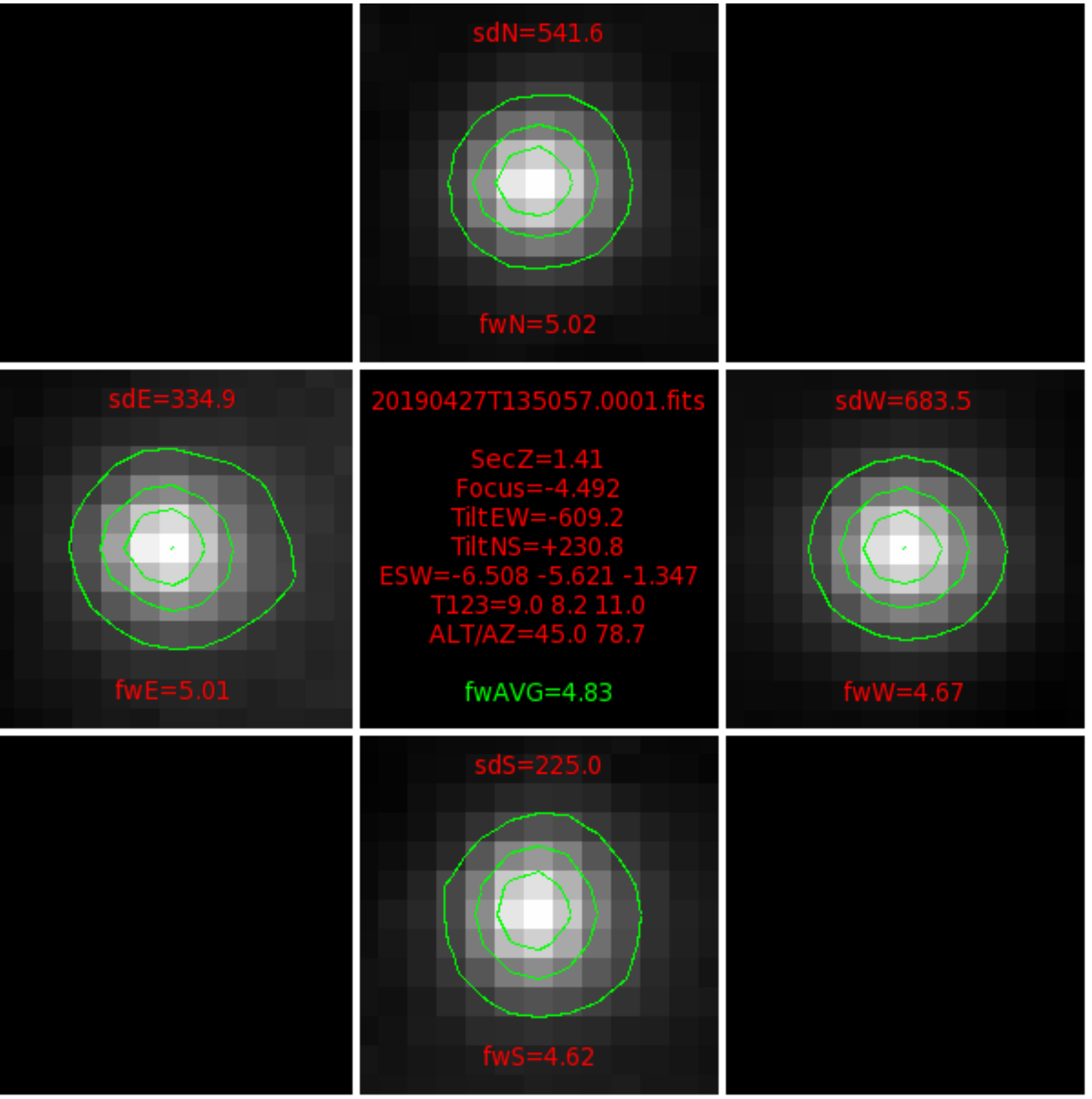
sdN=541.6
fwN=5.02
sdE=334.9
fwE=5.01
20190427T135057.0001.fits
SecZ=1.41
Focus=-4.492
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.508 -5.621 -1.347
T123=9.0 8.2 11.0
ALT/AZ=45.0 78.7
fwAVG=4.83
sdW=683.5
fwW=4.67
sdS=225.0
fwS=4.62
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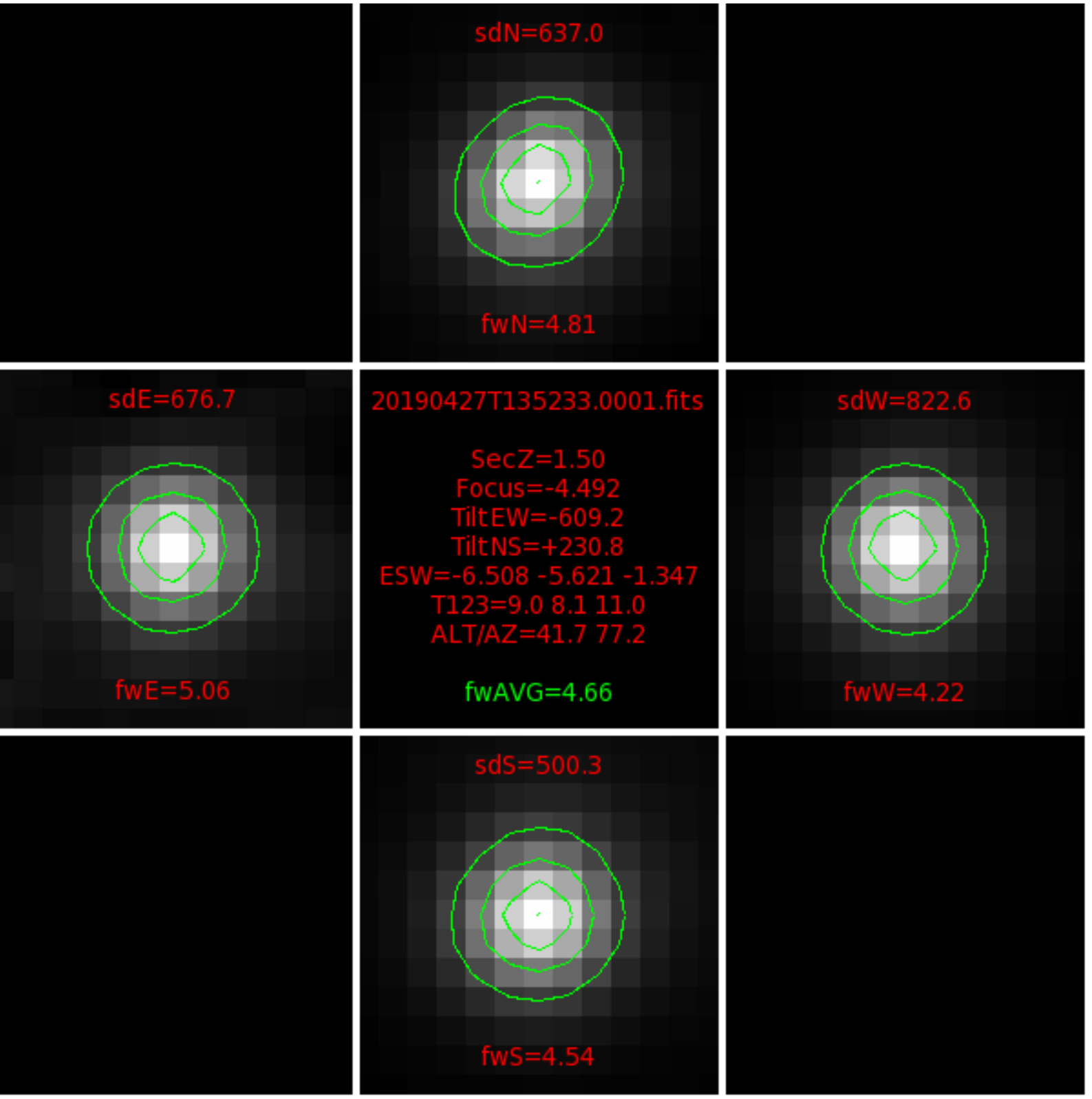
sdN=637.0
fwN=4.81
sdE=676.7
fwE=5.06
20190427T135233.0001.fits
SecZ=1.50
Focus=-4.492
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.508 -5.621 -1.347
T123=9.0 8.1 11.0
ALT/AZ=41.7 77.2
fwAVG=4.66
sdW=822.6
fwW=4.22
sdS=500.3
fwS=4.54
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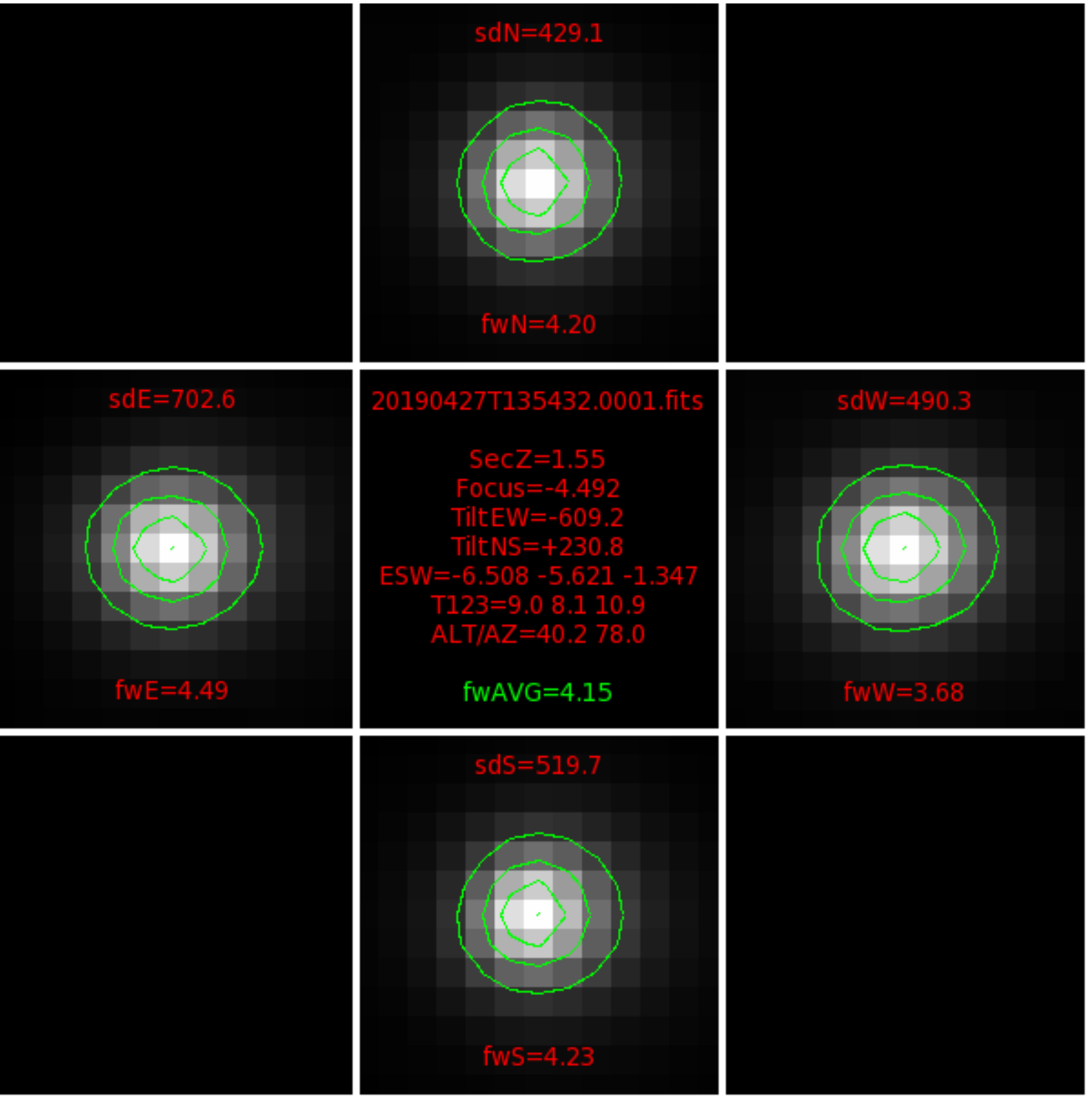
sdN=429.1
fwN=4.20
sdE=702.6
fwE=4.49
20190427T135432.0001.fits
SecZ=1.55
Focus=-4.492
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.508 -5.621 -1.347
T123=9.0 8.1 10.9
ALT/AZ=40.2 78.0
fwAVG=4.15
sdW=490.3
fwW=3.68
sdS=519.7
fwS=4.23
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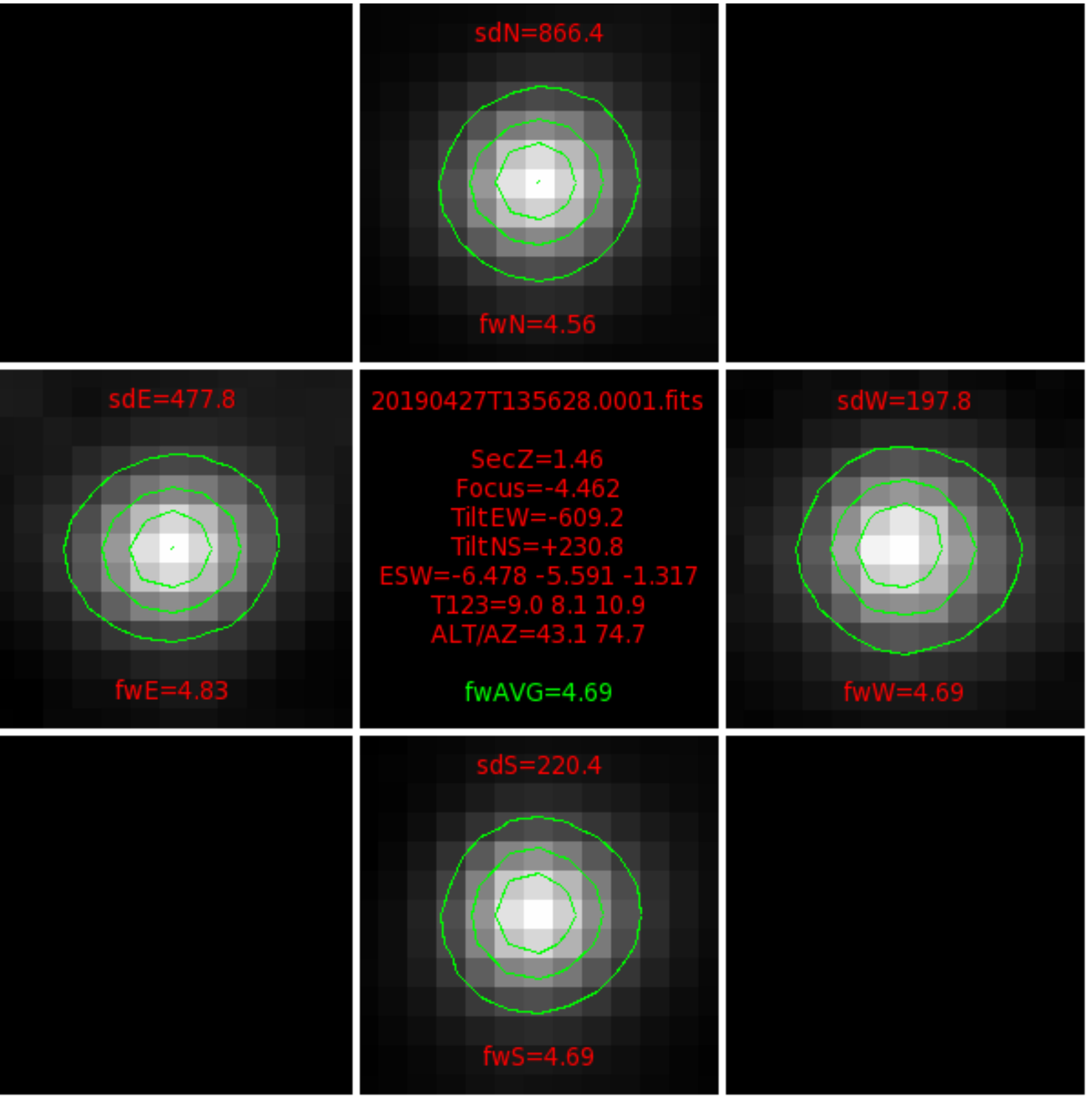
sdN=866.4
fwN=4.56
sdE=477.8
fwE=4.83
20190427T135628.0001.fits
SecZ=1.46
Focus=-4.462
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.478 -5.591 -1.317
T123=9.0 8.1 10.9
ALT/AZ=43.1 74.7
fwAVG=4.69
sdW=197.8
fwW=4.69
sdS=220.4
fwS=4.69
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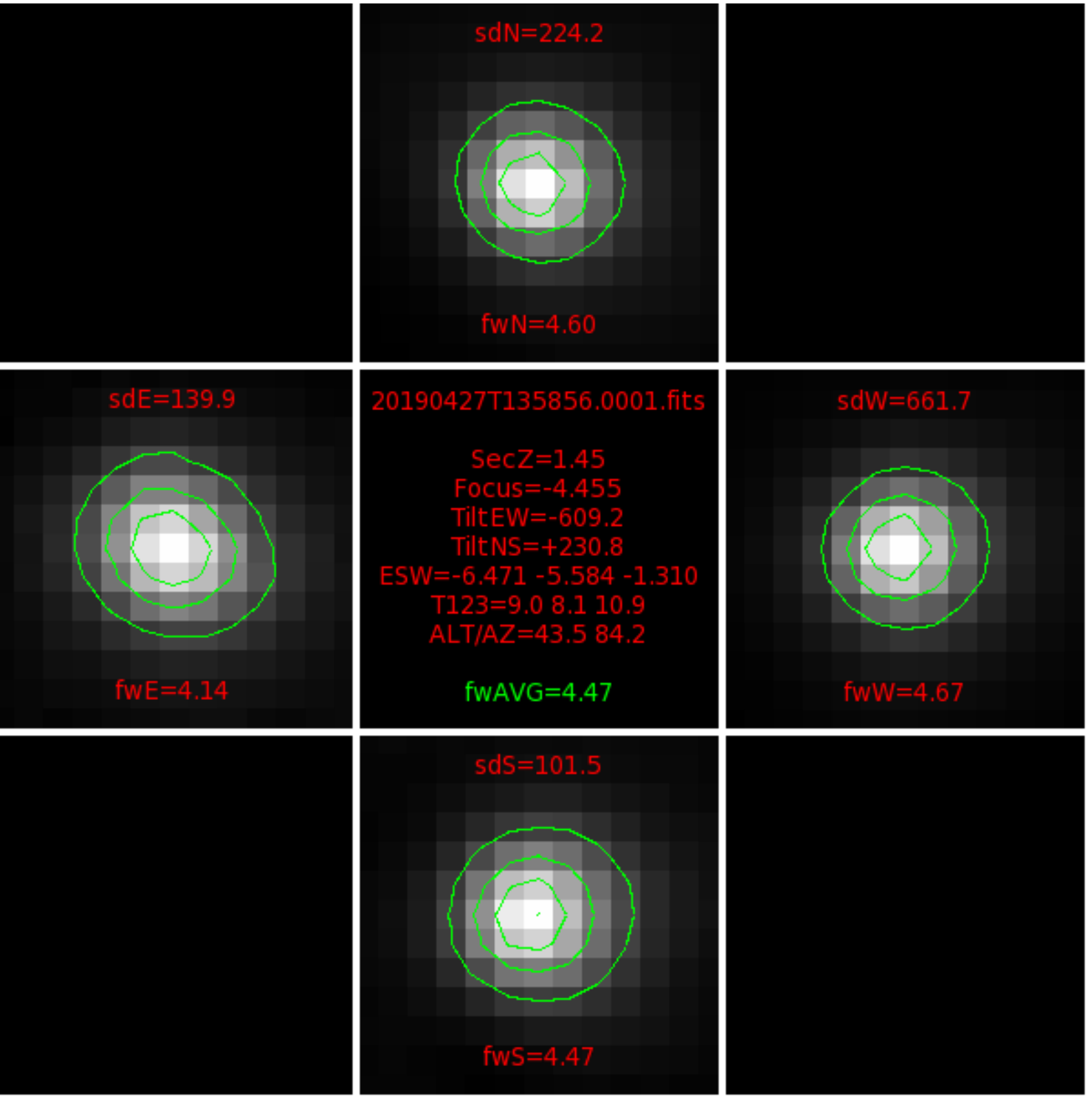
sdN=224.2
fwN=4.60
sdE=139.9
fwE=4.14
20190427T135856.0001.fits
SecZ=1.45
Focus=-4.455
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.471 -5.584 -1.310
T123=9.0 8.1 10.9
ALT/AZ=43.5 84.2
fwAVG=4.47
sdW=661.7
fwW=4.67
sdS=101.5
fwS=4.47
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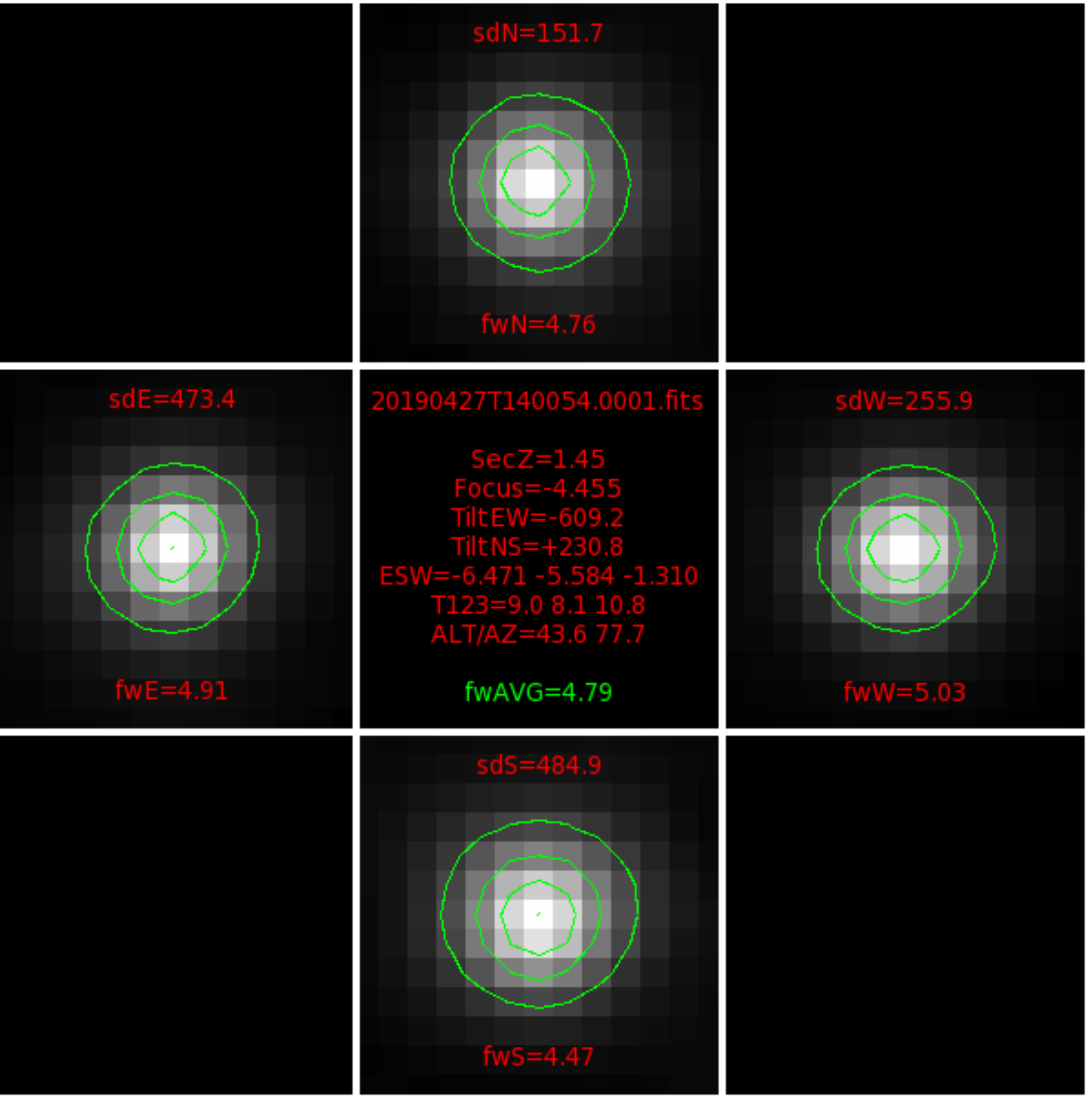
sdN=151.7
fwN=4.76
sdE=473.4
fwE=4.91
20190427T140054.0001.fits
SecZ=1.45
Focus=-4.455
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.471 -5.584 -1.310
T123=9.0 8.1 10.8
ALT/AZ=43.6 77.7
fwAVG=4.79
sdW=255.9
fwW=5.03
sdS=484.9
fwS=4.47
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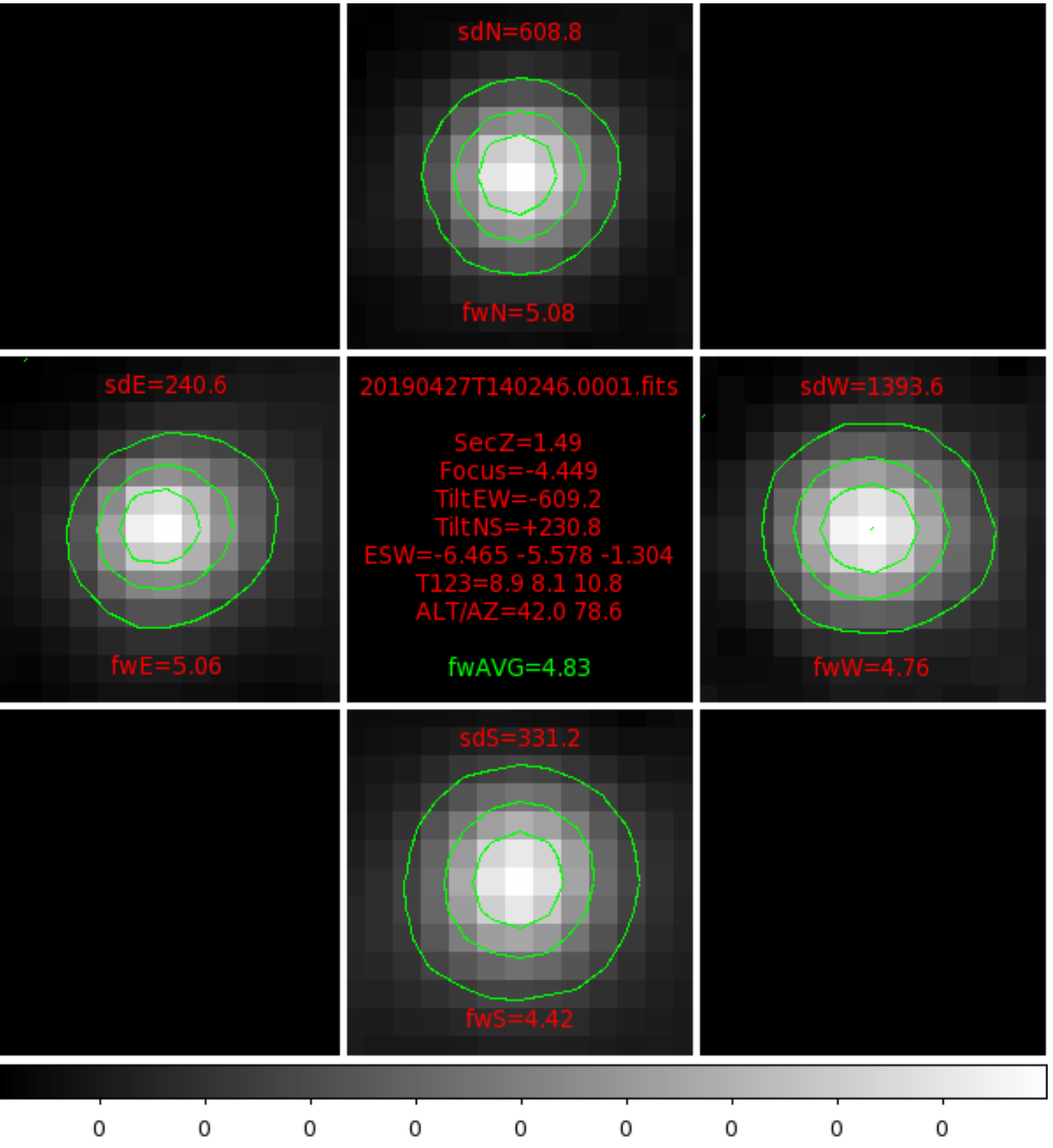
sdN=608.8
fwN=5.08
sdE=240.6
fwE=5.06
20190427T140246.0001.fits
SecZ=1.49
Focus=-4.449
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.465 -5.578 -1.304
T123=8.9 8.1 10.8
ALT/AZ=42.0 78.6
fwAVG=4.83
sdW=1393.6
fwW=4.76
sdS=331.2
fwS=4.42
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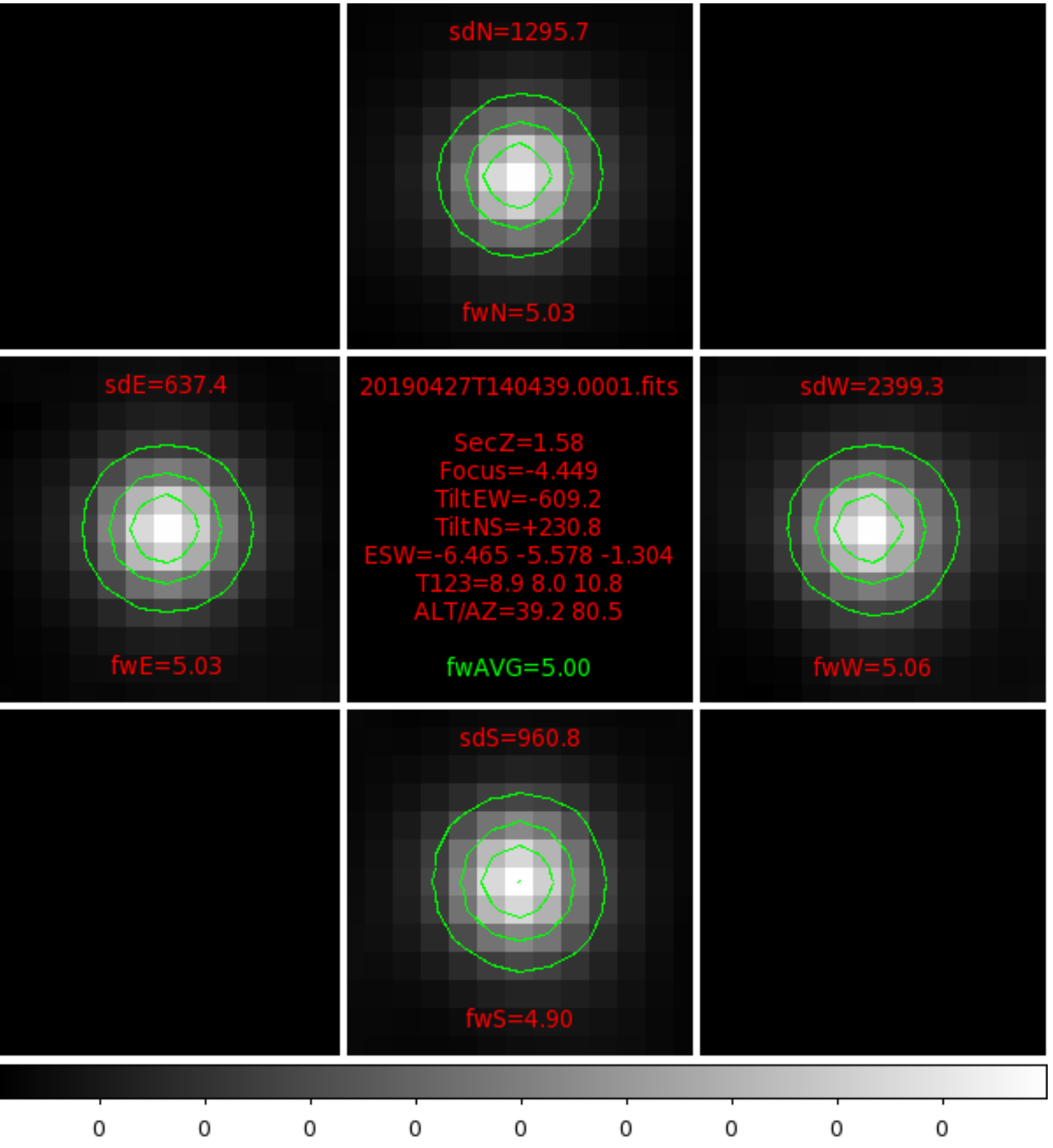
sdN=1295.7
fwN=5.03
sdE=637.4
fwE=5.03
20190427T140439.0001.fits
SecZ=1.58
Focus=-4.449
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.465 -5.578 -1.304
T123=8.9 8.0 10.8
ALT/AZ=39.2 80.5
fwAVG=5.00
sdW=2399.3
fwW=5.06
sdS=960.8
fwS=4.90
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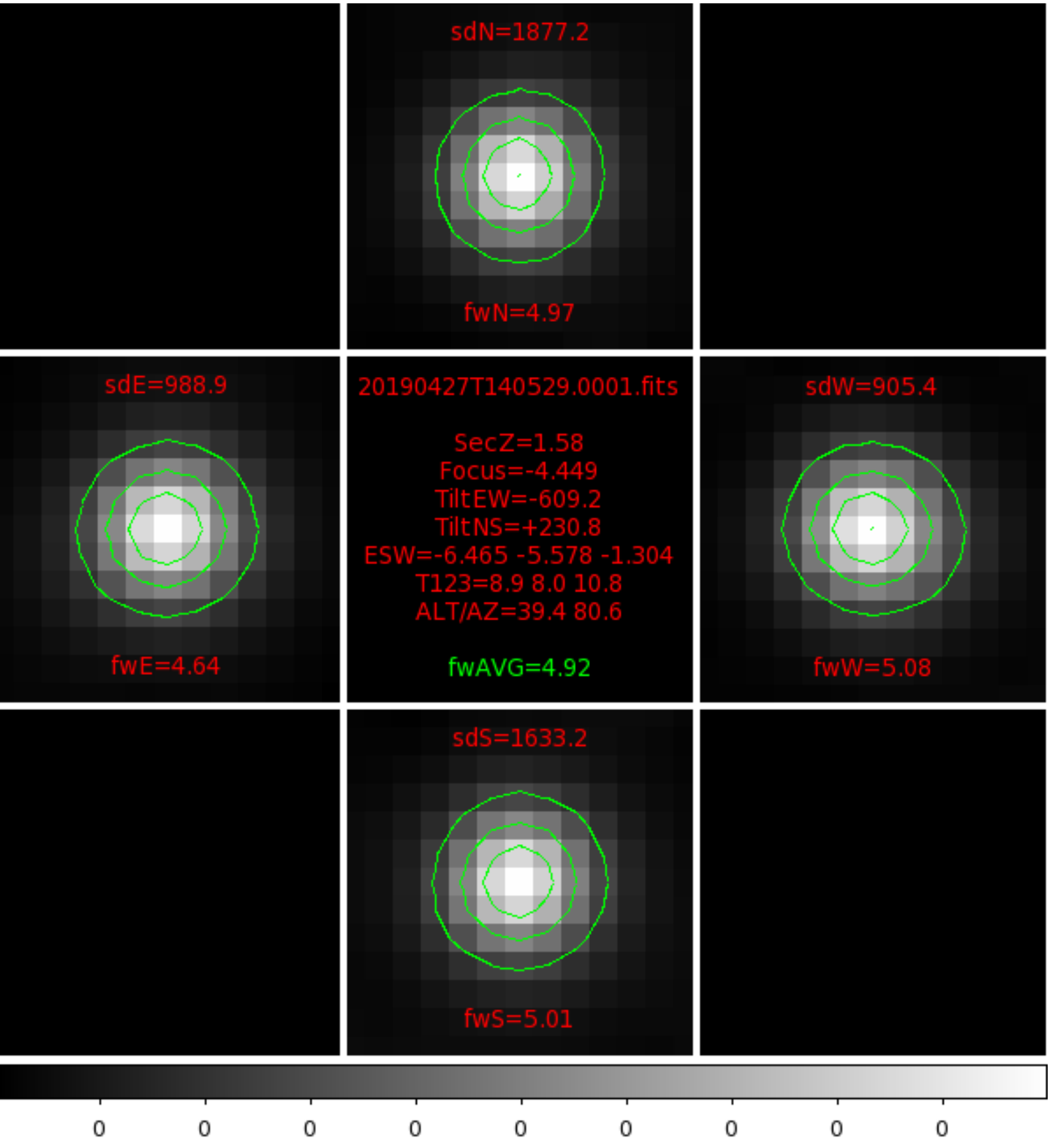
sdN=1877.2
fwN=4.97
sdE=988.9
fwE=4.64
20190427T140529.0001.fits
SecZ=1.58
Focus=-4.449
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.465 -5.578 -1.304
T123=8.9 8.0 10.8
ALT/AZ=39.4 80.6
fwAVG=4.92
sdW=905.4
fwW=5.08
sdS=1633.2
fwS=5.01
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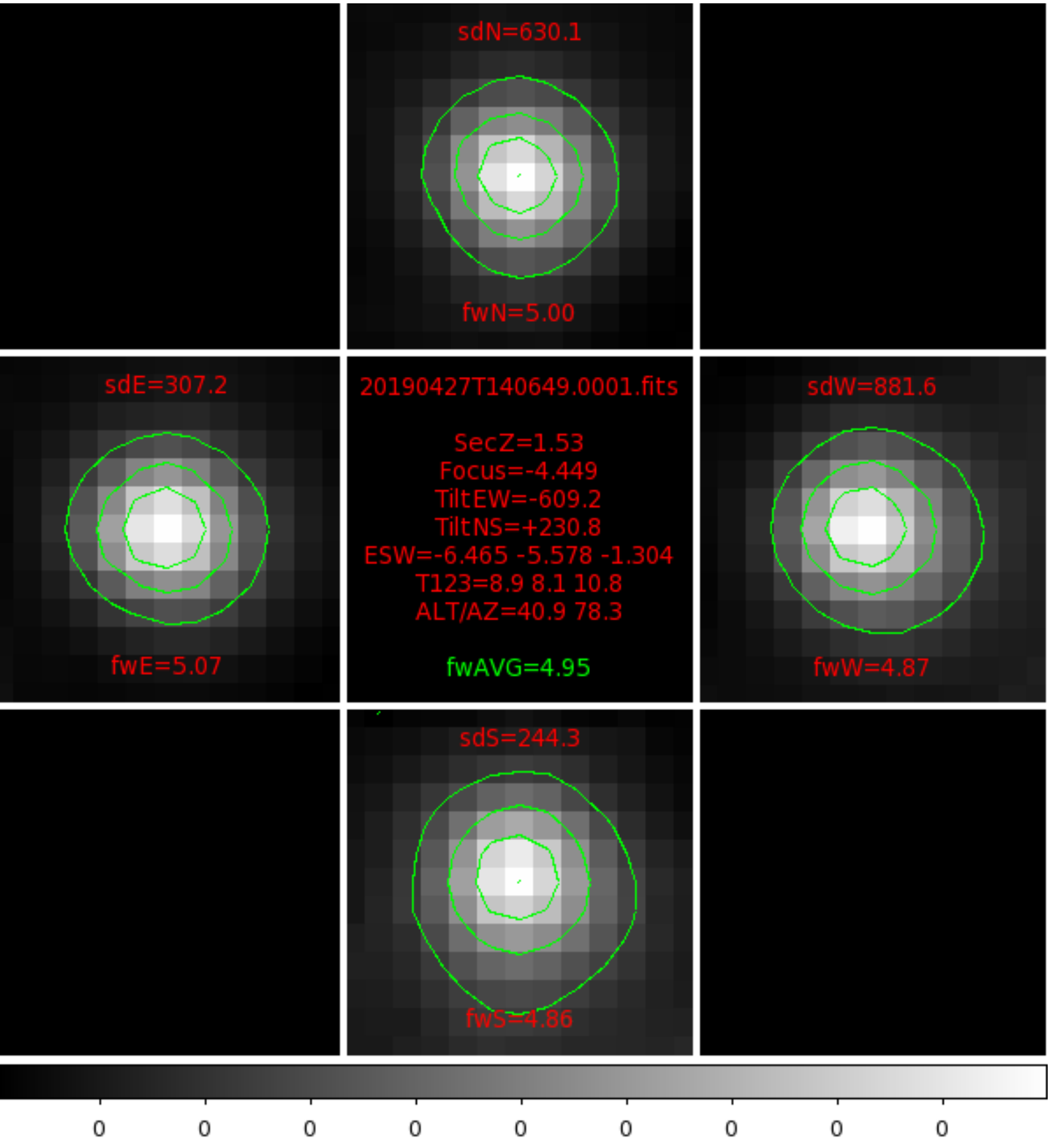
sdN=630.1
fwN=5.00
sdE=307.2
fwE=5.07
20190427T140649.0001.fits
SecZ=1.53
Focus=-4.449
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.465 -5.578 -1.304
T123=8.9 8.1 10.8
ALT/AZ=40.9 78.3
fwAVG=4.95
sdW=881.6
fwW=4.87
sdS=244.3
fwS=4.86
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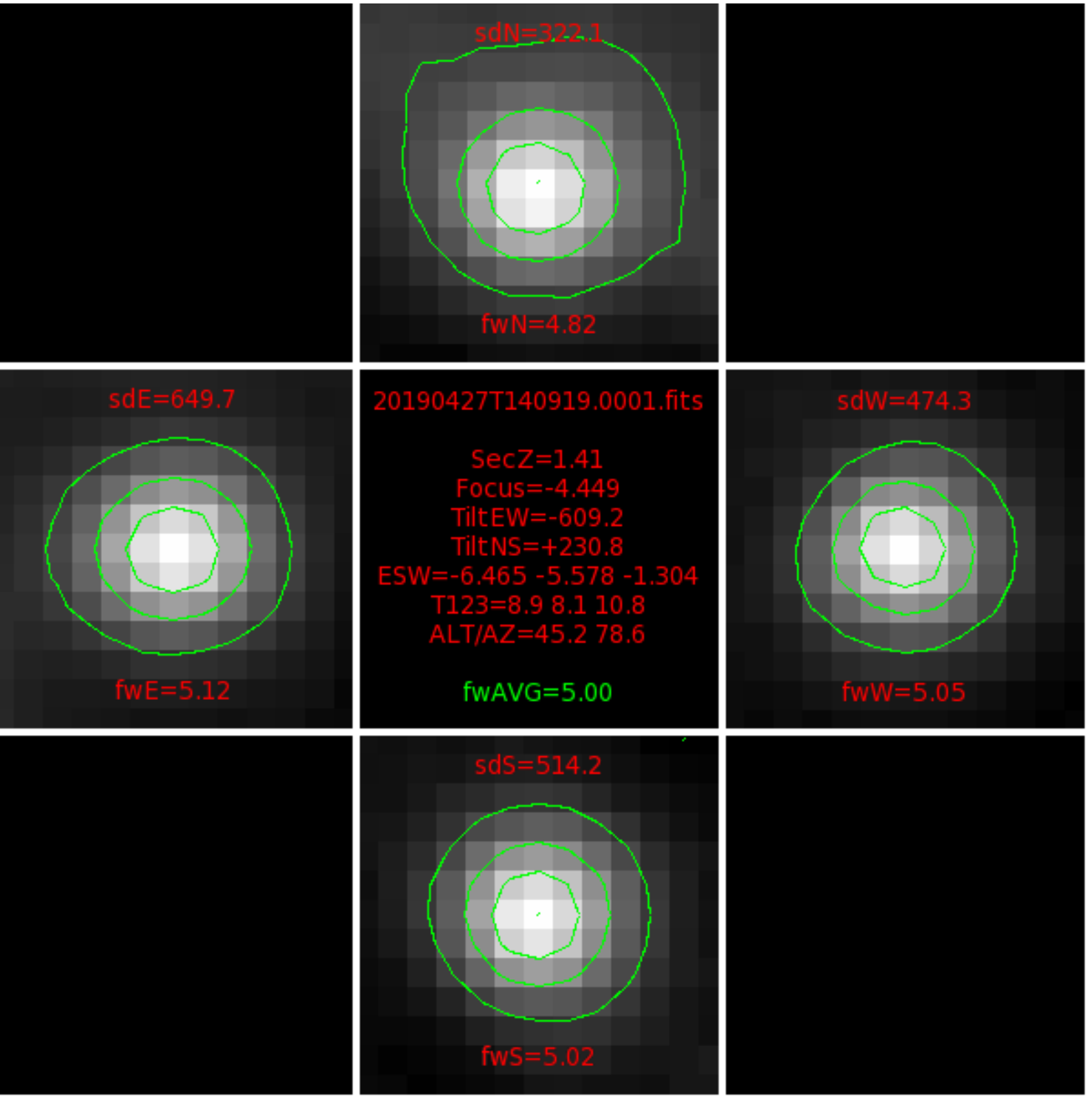
sdN=322.1
fwN=4.82
sdE=649.7
fwE=5.12
20190427T140919.0001.fits
SecZ=1.41
Focus=-4.449
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.465 -5.578 -1.304
T123=8.9 8.1 10.8
ALT/AZ=45.2 78.6
fwAVG=5.00
sdW=474.3
fwW=5.05
sdS=514.2
fwS=5.02
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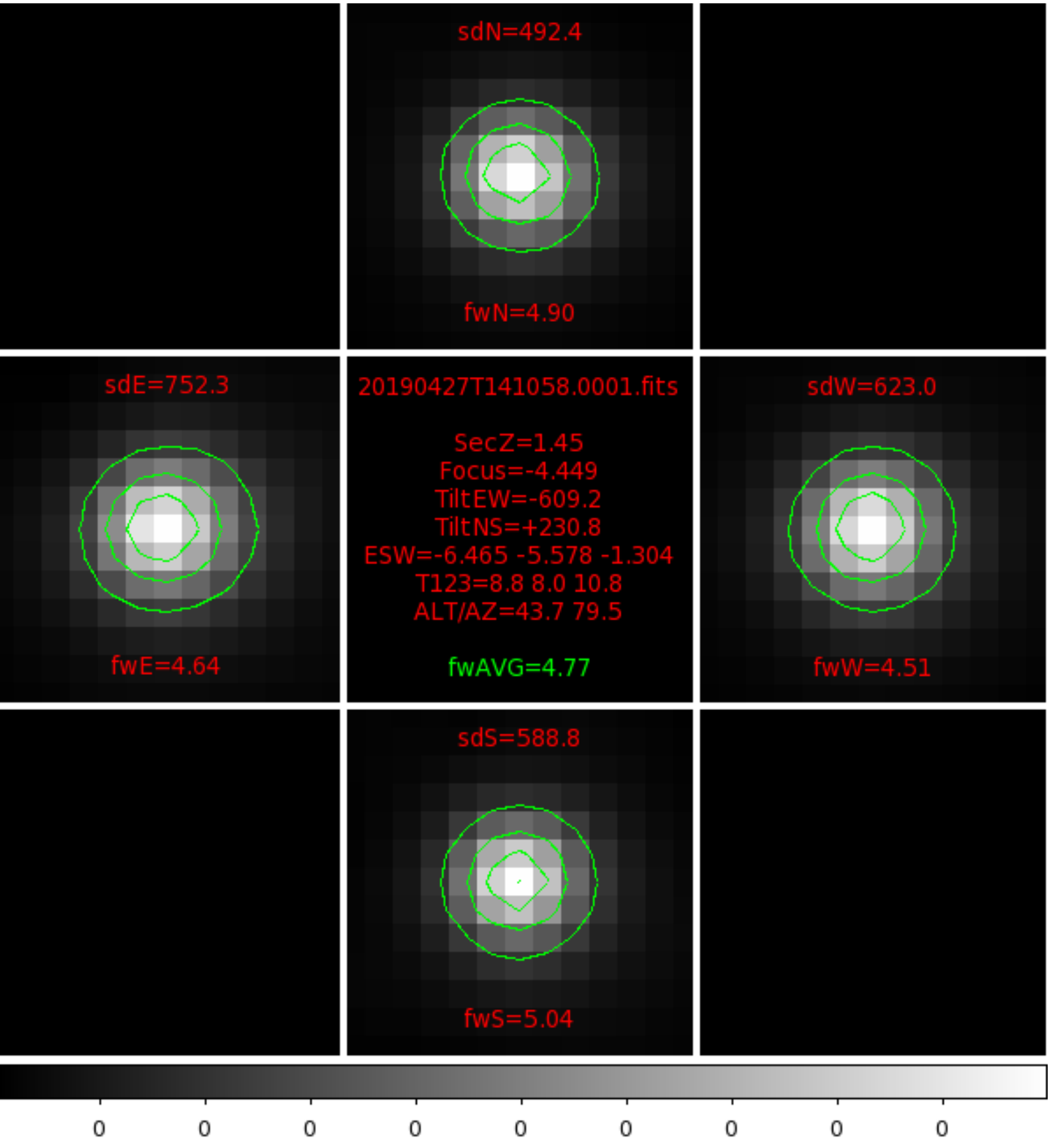
sdN=492.4
fwN=4.90
sdE=752.3
fwE=4.64
20190427T141058.0001.fits
SecZ=1.45
Focus=-4.449
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.465 -5.578 -1.304
T123=8.8 8.0 10.8
ALT/AZ=43.7 79.5
fwAVG=4.77
sdW=623.0
fwW=4.51
sdS=588.8
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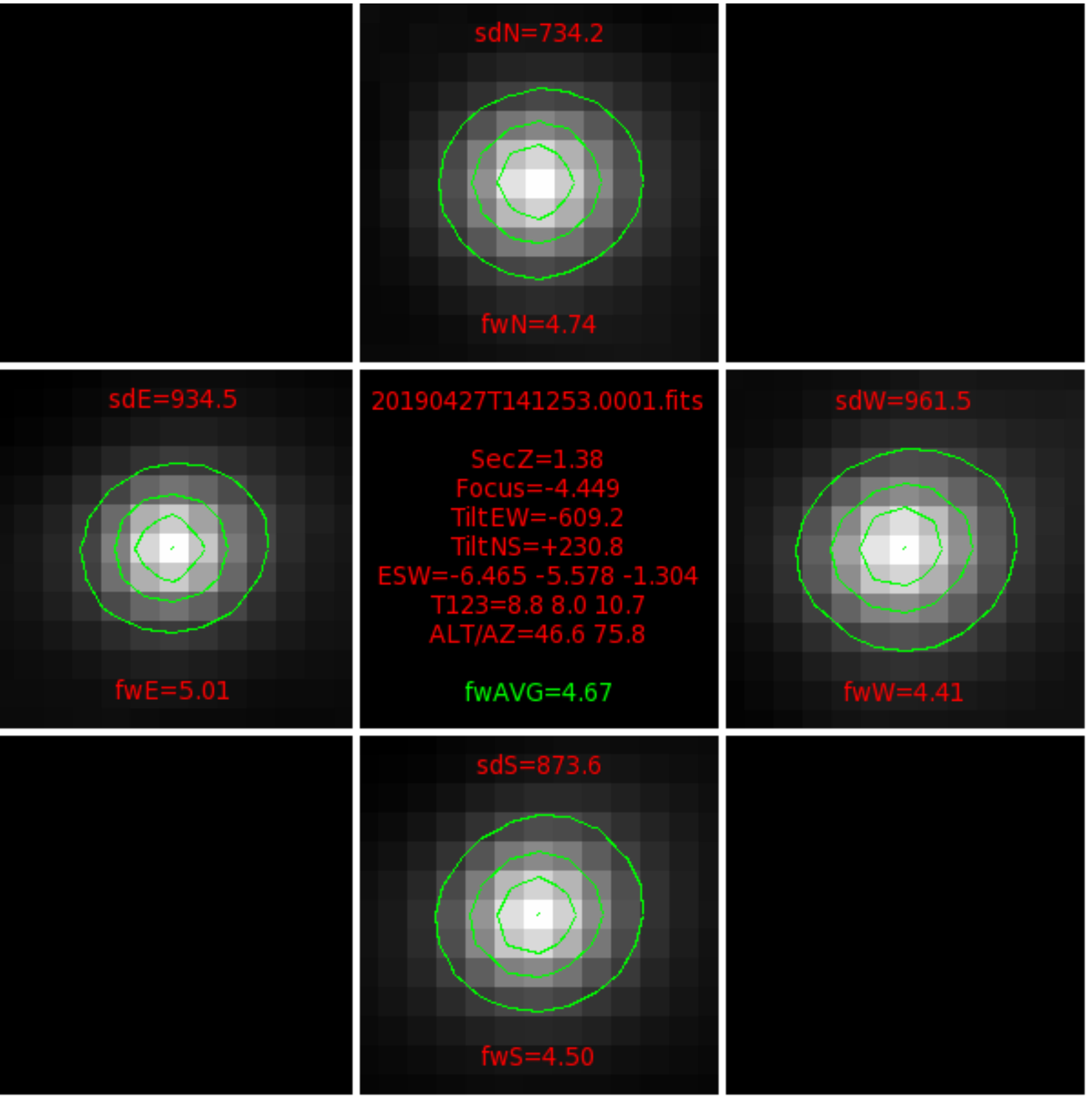
sdN=734.2
fwN=4.74
sdE=934.5
fwE=5.01
20190427T141253.0001.fits
SecZ=1.38
Focus=-4.449
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.465 -5.578 -1.304
T123=8.8 8.0 10.7
ALT/AZ=46.6 75.8
fwAVG=4.67
sdW=961.5
fwW=4.41
sdS=873.6
fwS=4.50
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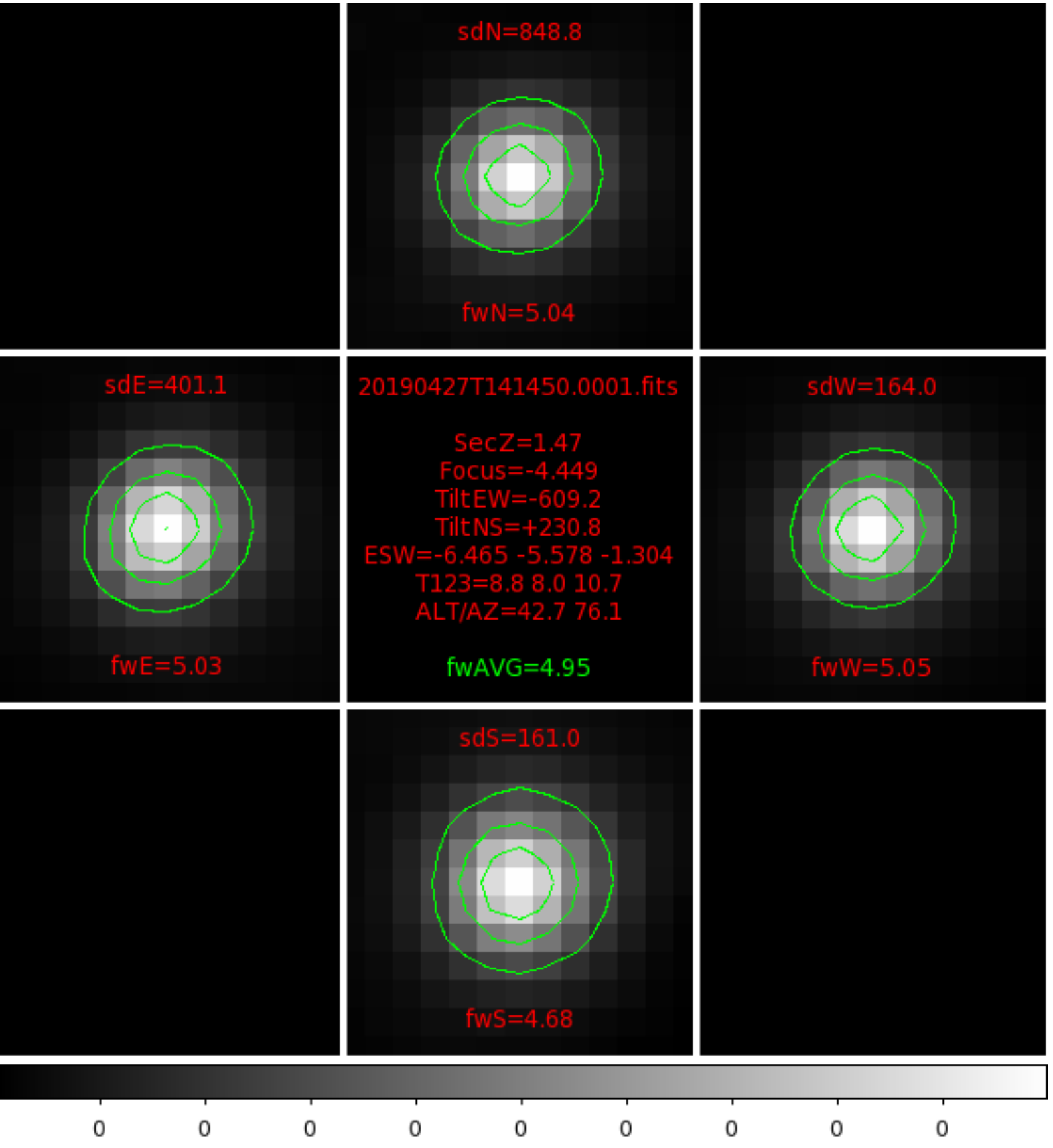
sdN=848.8
fwN=5.04
sdE=401.1
fwE=5.03
20190427T141450.0001.fits
SecZ=1.47
Focus=-4.449
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.465 -5.578 -1.304
T123=8.8 8.0 10.7
ALT/AZ=42.7 76.1
fwAVG=4.95
sdW=164.0
fwW=5.05
sdS=161.0
fwS=4.68
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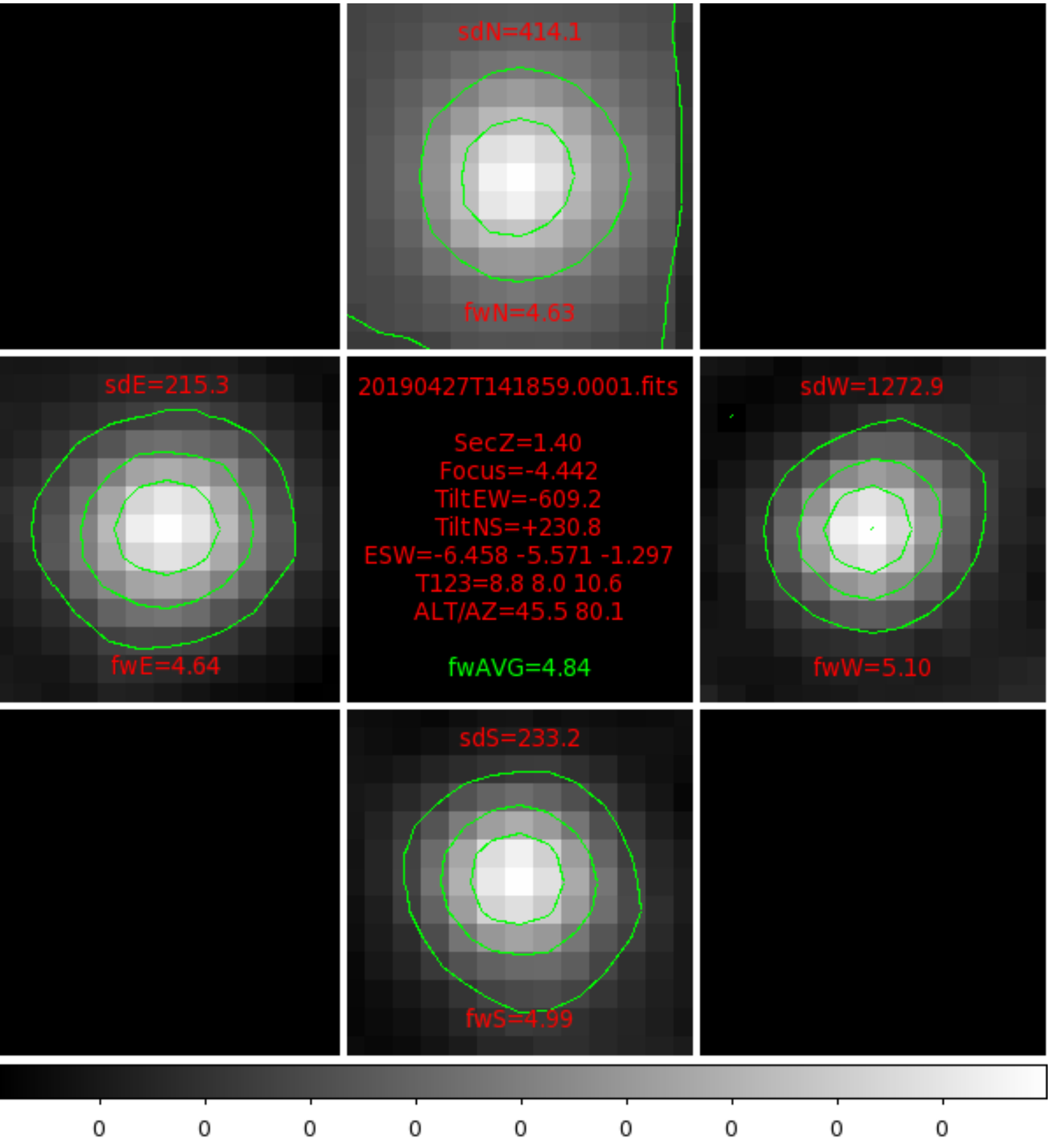
sdN=414.1
fwN=4.63
sdE=215.3
fwE=4.64
20190427T141859.0001.fits
SecZ=1.40
Focus=-4.442
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.458 -5.571 -1.297
T123=8.8 8.0 10.6
ALT/AZ=45.5 80.1
fwAVG=4.84
sdW=1272.9
fwW=5.10
sdS=233.2
fwS=4.99
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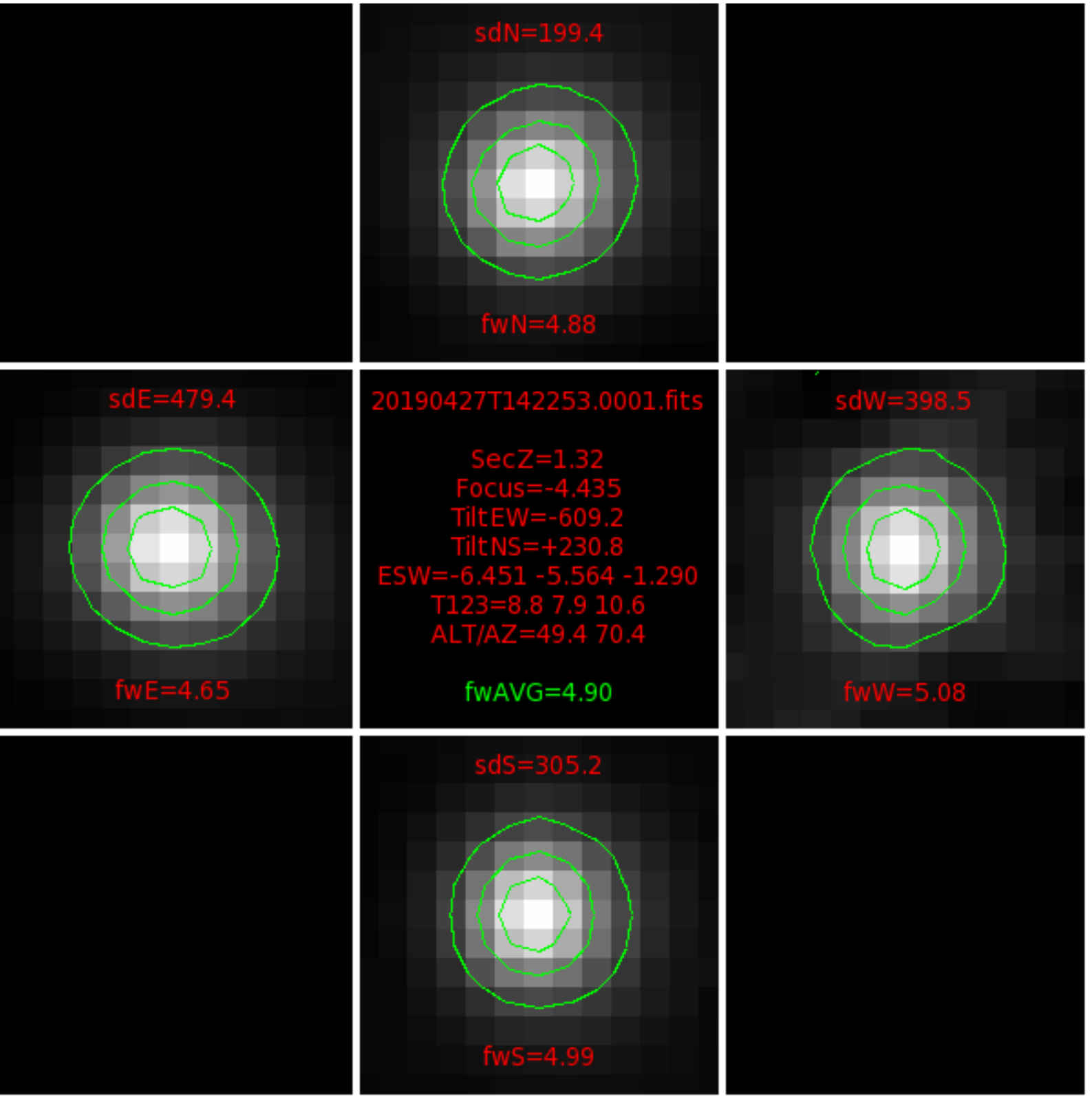
sdN=199.4
fwN=4.88
sdE=479.4
fwE=4.65
20190427T142253.0001.fits
SecZ=1.32
Focus=-4.435
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.451 -5.564 -1.290
T123=8.8 7.9 10.6
ALT/AZ=49.4 70.4
fwAVG=4.90
sdW=398.5
fwW=5.08
sdS=305.2
fwS=4.99
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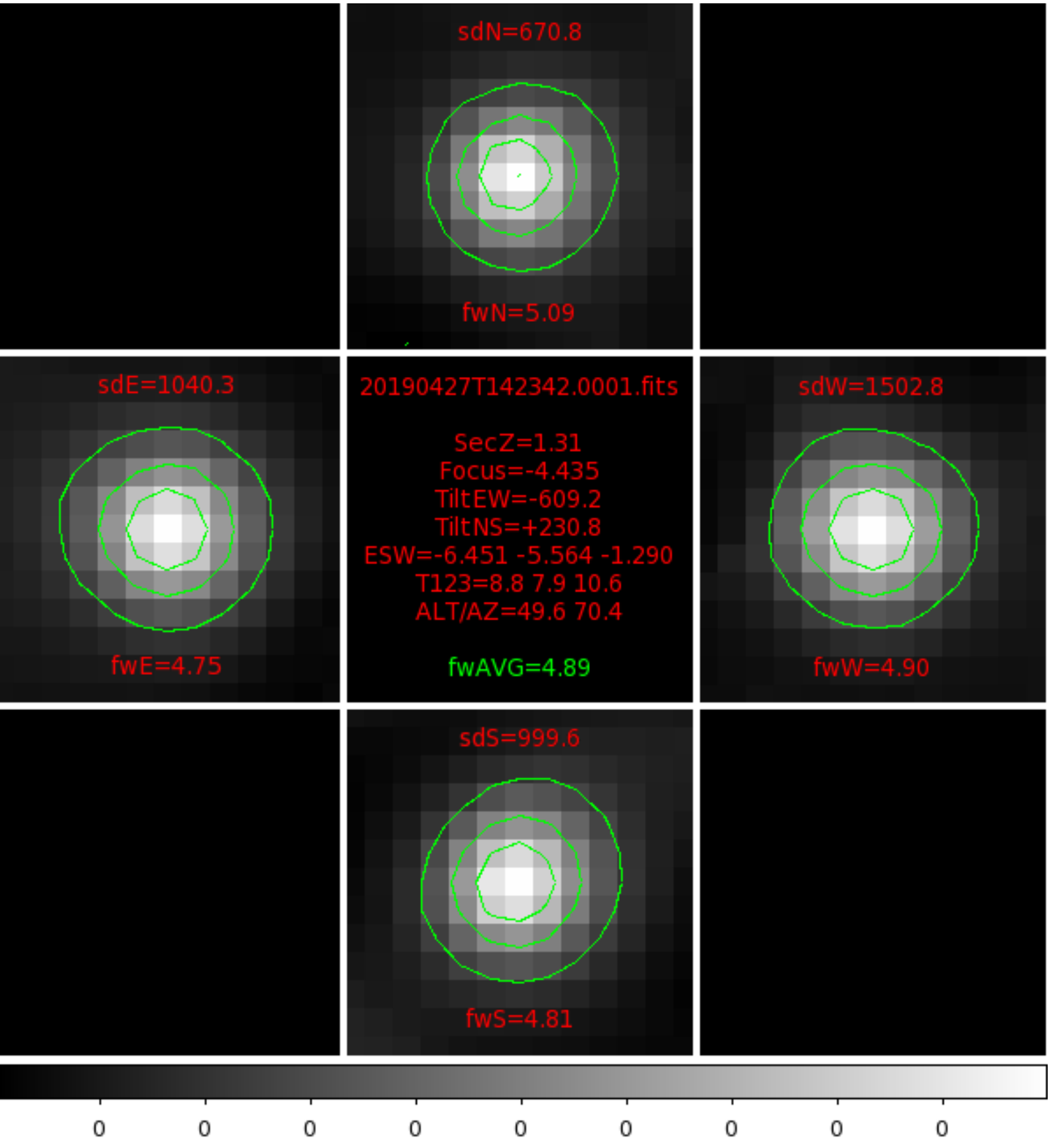
sdN=670.8
fwN=5.09
sdE=1040.3
fwE=4.75
20190427T142342.0001.fits
SecZ=1.31
Focus=-4.435
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.451 -5.564 -1.290
T123=8.8 7.9 10.6
ALT/AZ=49.6 70.4
fwAVG=4.89
sdW=1502.8
fwW=4.90
sdS=999.6
fwS=4.81
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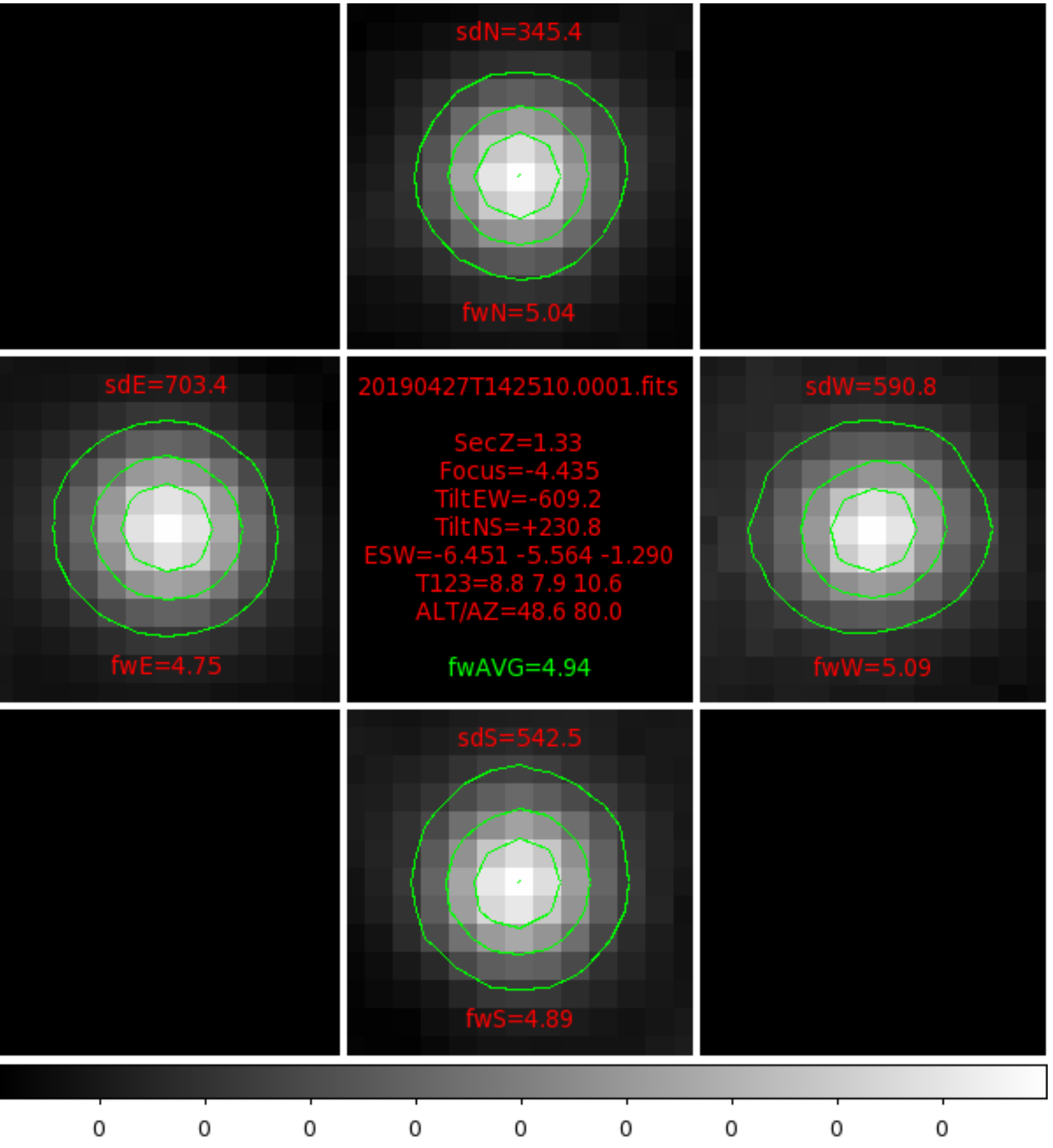
sdN=345.4
fwN=5.04
sdE=703.4
fwE=4.75
20190427T142510.0001.fits
SecZ=1.33
Focus=-4.435
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.451 -5.564 -1.290
T123=8.8 7.9 10.6
ALT/AZ=48.6 80.0
fwAVG=4.94
sdW=590.8
fwW=5.09
sdS=542.5
fwS=4.89
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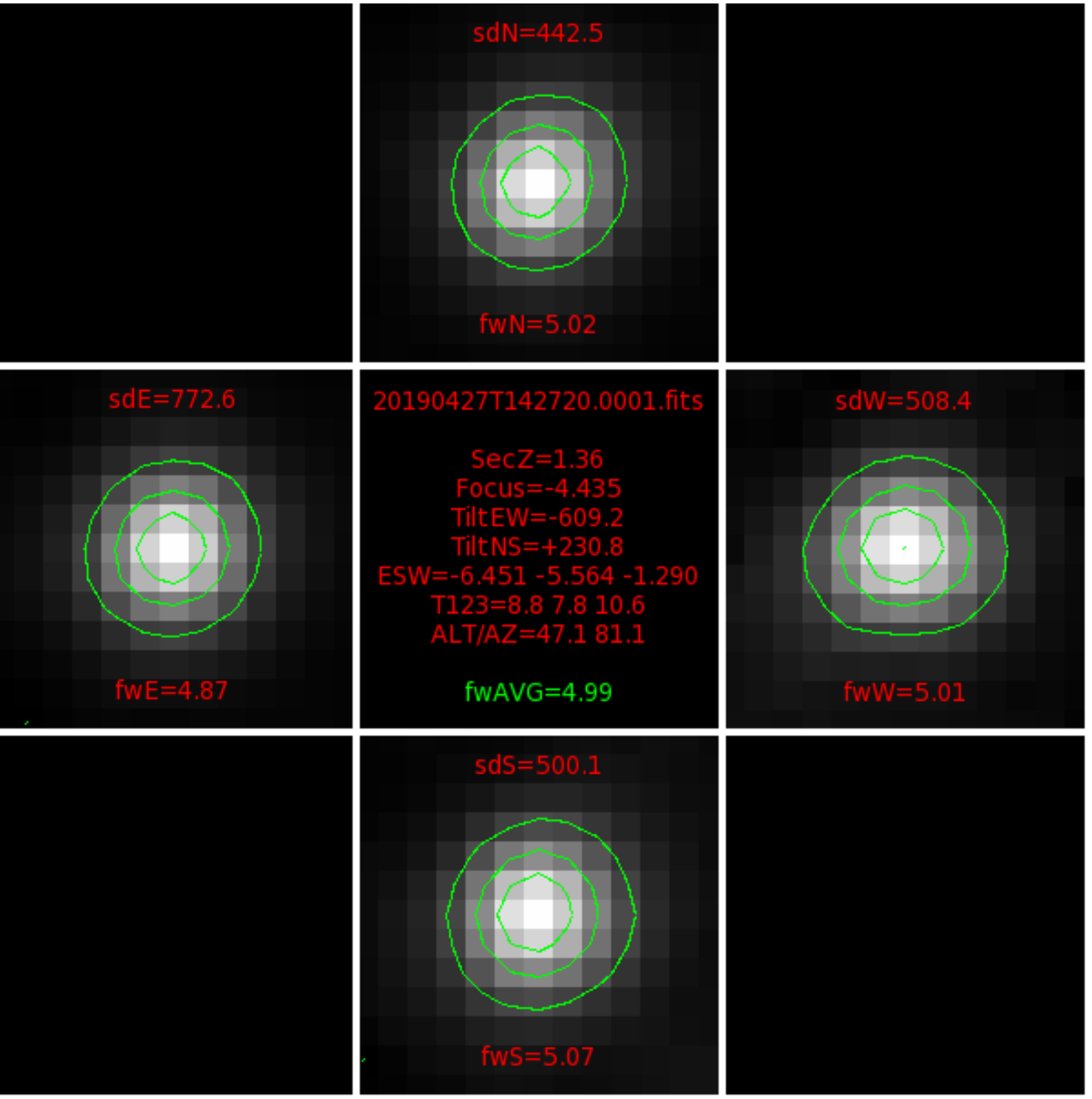
sdN=442.5
fwN=5.02
sdE=772.6
fwE=4.87
20190427T142720.0001.fits
SecZ=1.36
Focus=-4.435
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.451 -5.564 -1.290
T123=8.8 7.8 10.6
ALT/AZ=47.1 81.1
fwAVG=4.99
sdW=508.4
fwW=5.01
sdS=500.1
fwS=5.07
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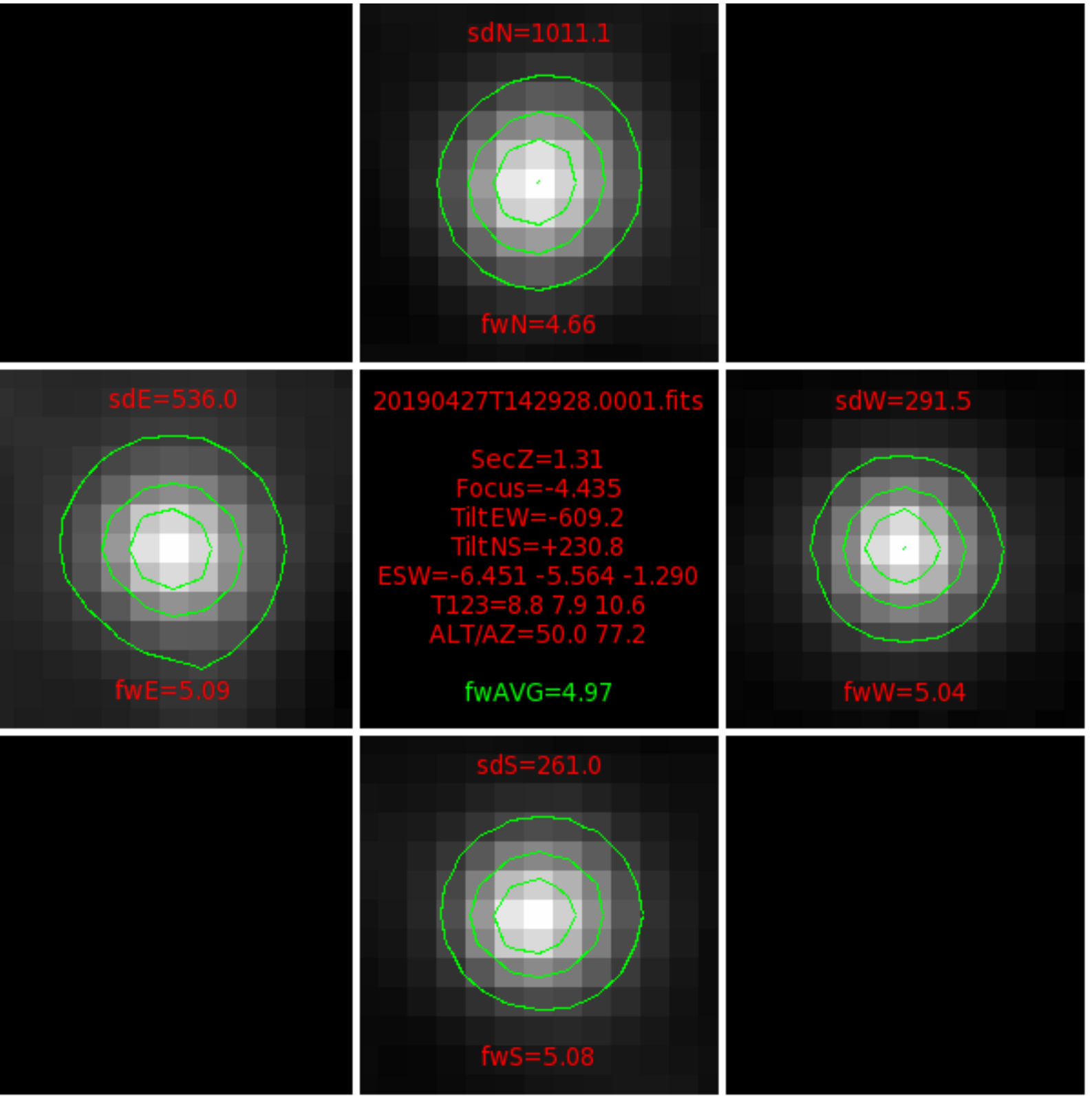
sdN=1011.1
fwN=4.66
sdE=536.0
fwE=5.09
20190427T142928.0001.fits
SecZ=1.31
Focus=-4.435
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.451 -5.564 -1.290
T123=8.8 7.9 10.6
ALT/AZ=50.0 77.2
fwAVG=4.97
sdW=291.5
fwW=5.04
sdS=261.0
fwS=5.08
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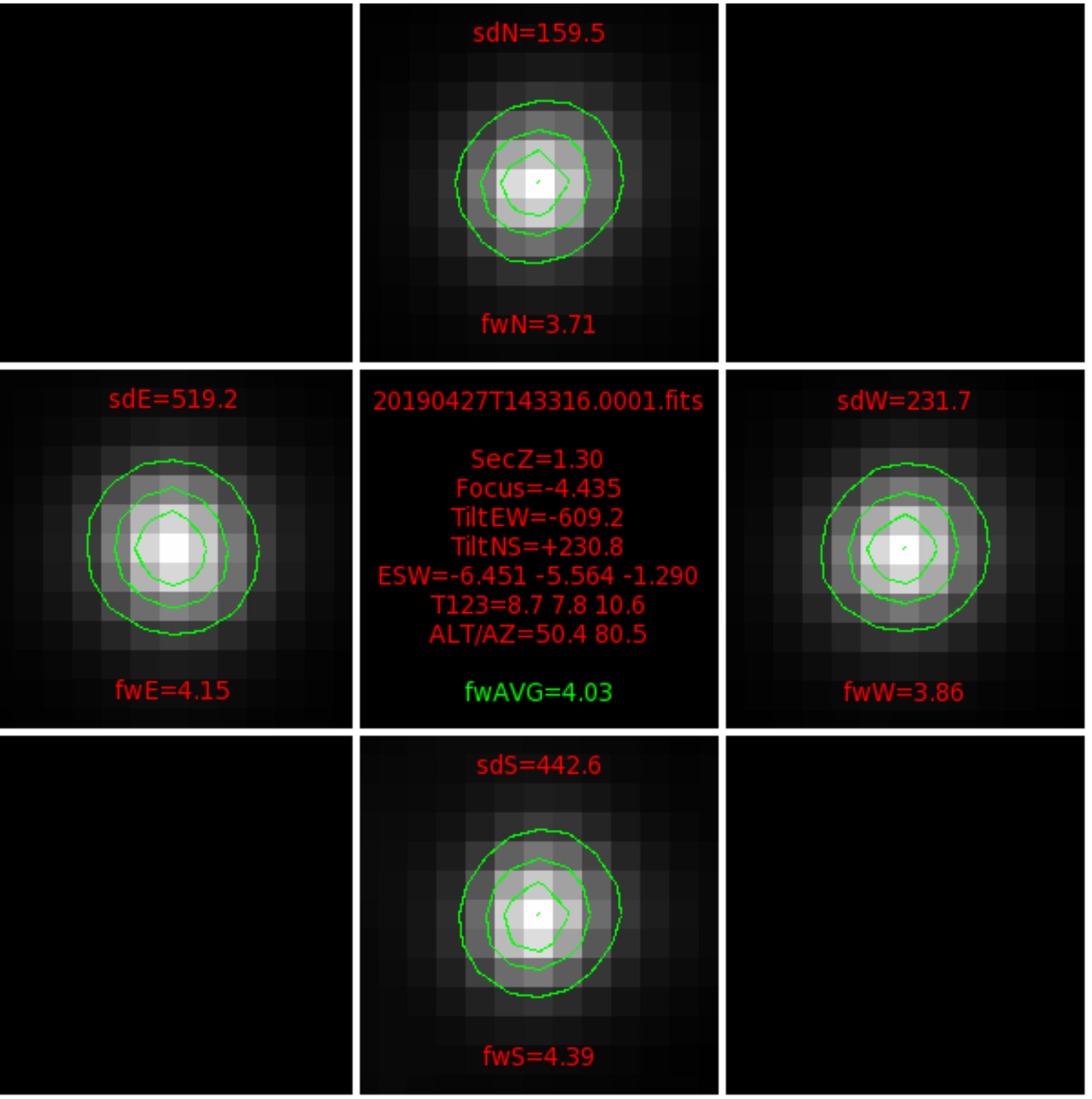
sdN=159.5
fwN=3.71
sdE=519.2
fwE=4.15
20190427T143316.0001.fits
SecZ=1.30
Focus=-4.435
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.451 -5.564 -1.290
T123=8.7 7.8 10.6
ALT/AZ=50.4 80.5
fwAVG=4.03
sdW=231.7
fwW=3.86
sdS=442.6
fwS=4.39
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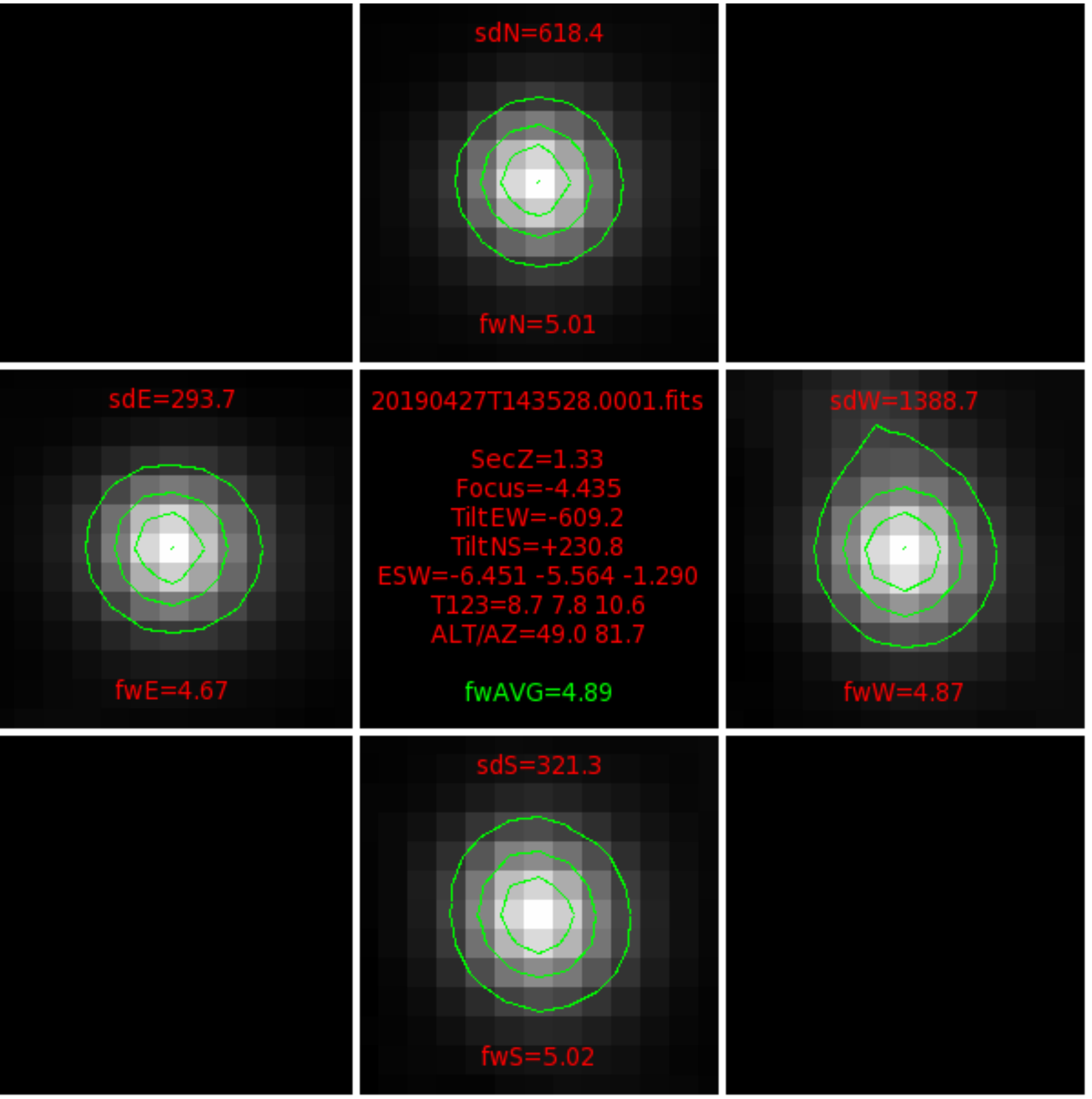
sdN=618.4
fwN=5.01
sdE=293.7
fwE=4.67
20190427T143528.0001.fits
SecZ=1.33
Focus=-4.435
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.451 -5.564 -1.290
T123=8.7 7.8 10.6
ALT/AZ=49.0 81.7
fwAVG=4.89
sdW=1388.7
fwW=4.87
sdS=321.3
fwS=5.02
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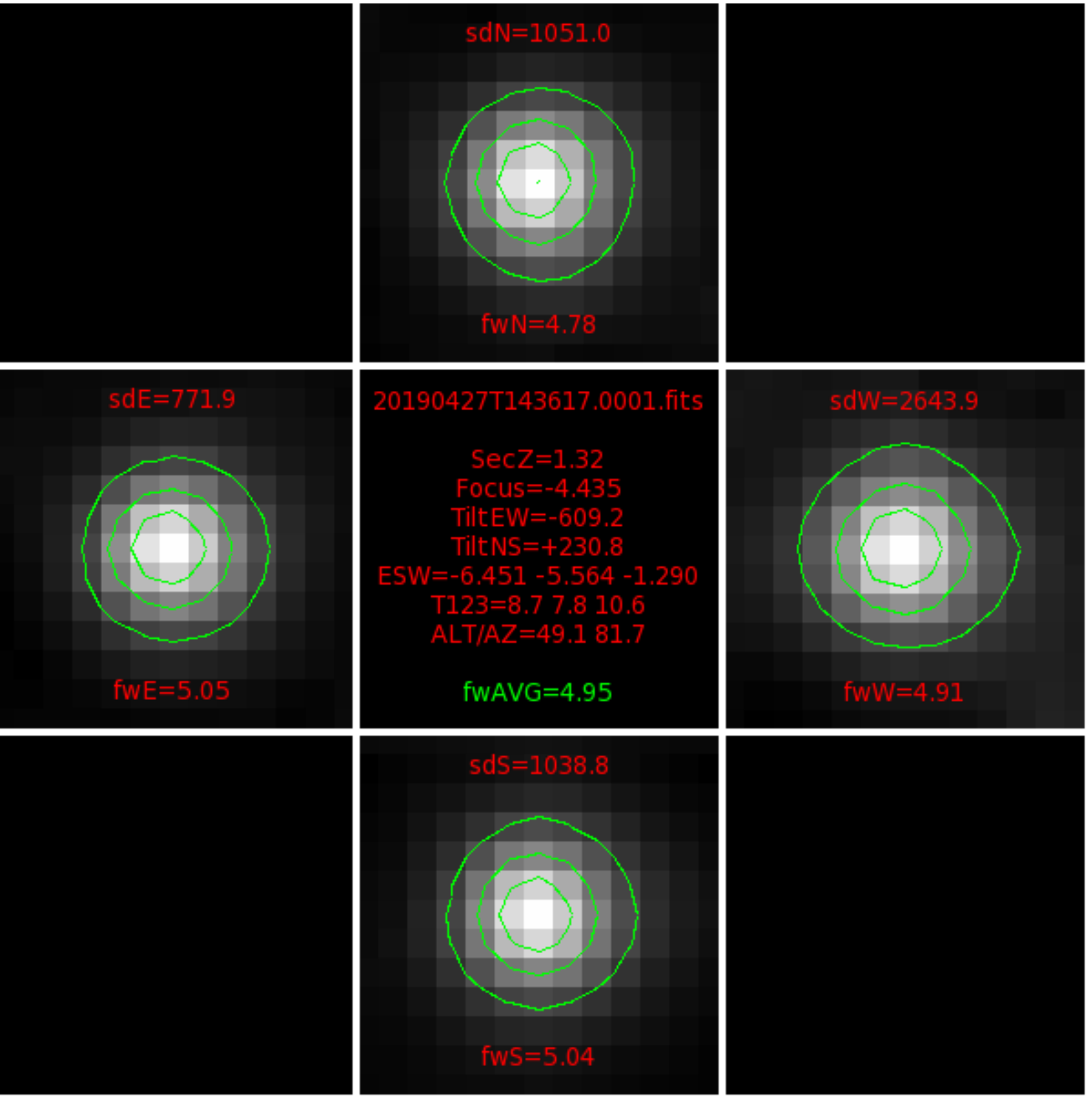
sdN=1051.0
fwN=4.78
sdE=771.9
fwE=5.05
20190427T143617.0001.fits
SecZ=1.32
Focus=-4.435
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.451 -5.564 -1.290
T123=8.7 7.8 10.6
ALT/AZ=49.1 81.7
fwAVG=4.95
sdW=2643.9
fwW=4.91
sdS=1038.8
fwS=5.04
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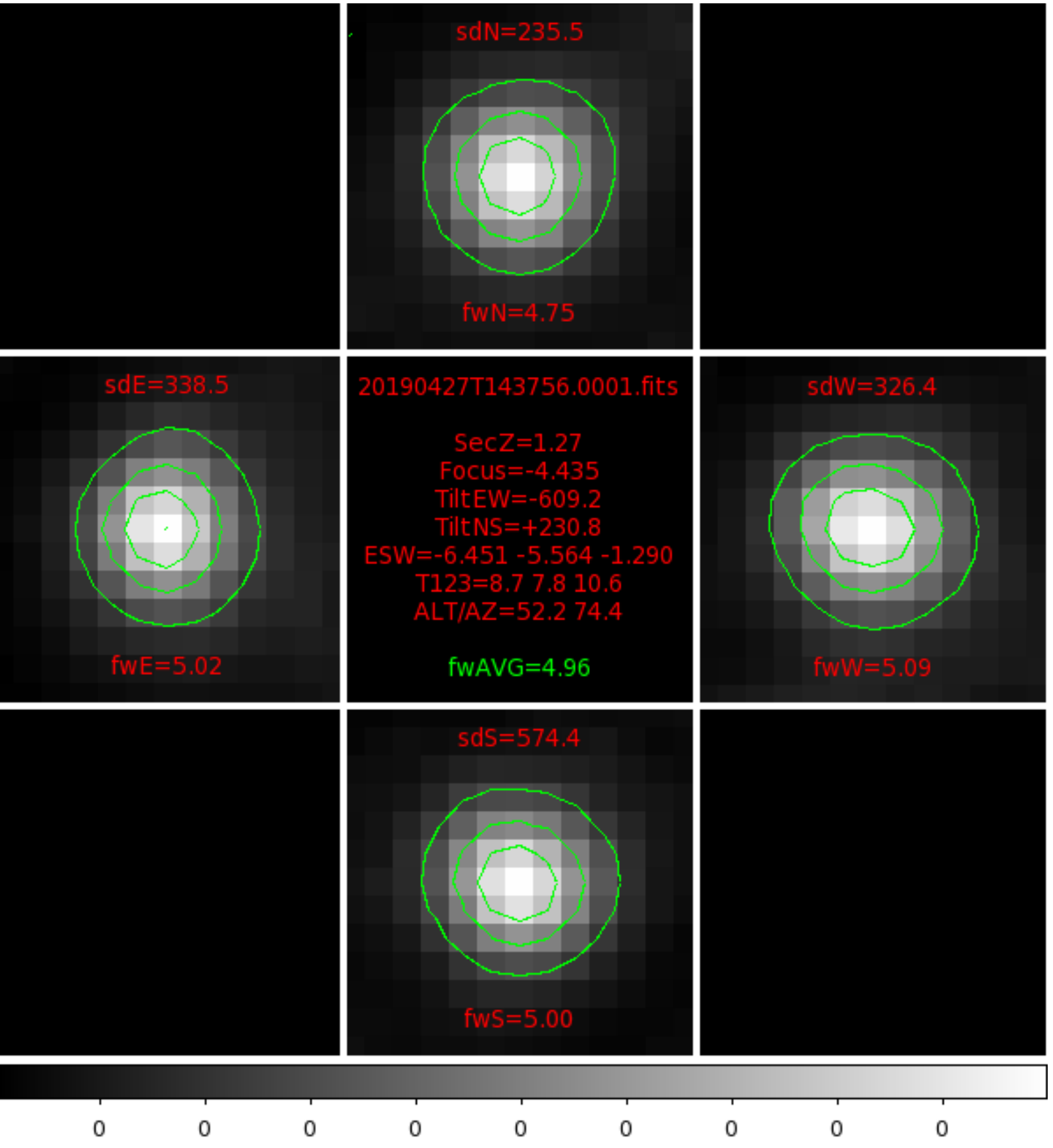
sdN=235.5
fwN=4.75
sdE=338.5
fwE=5.02
20190427T143756.0001.fits
SecZ=1.27
Focus=-4.435
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.451 -5.564 -1.290
T123=8.7 7.8 10.6
ALT/AZ=52.2 74.4
fwAVG=4.96
sdW=326.4
fwW=5.09
sdS=574.4
fwS=5.00
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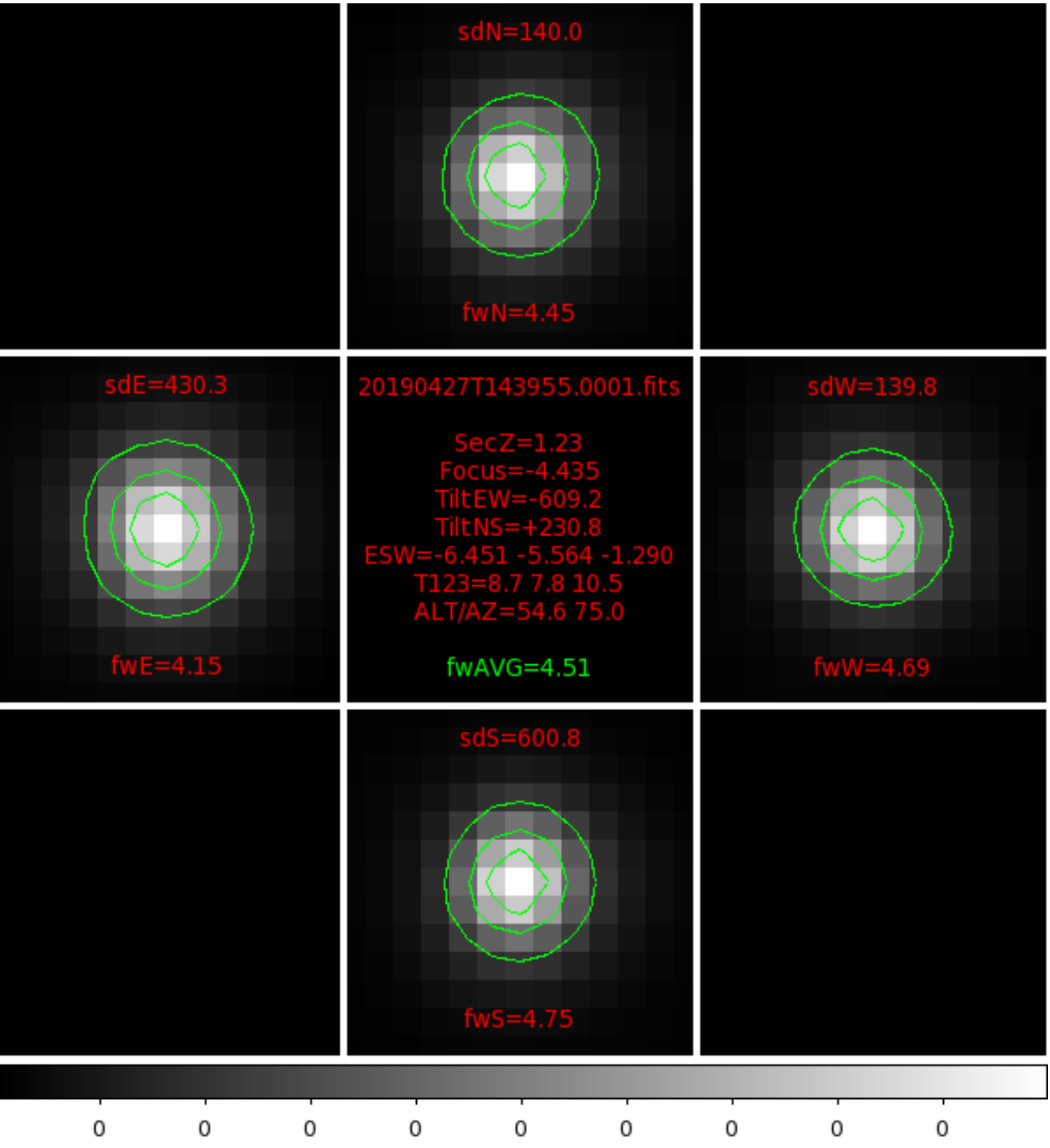
sdN=140.0
fwN=4.45
sdE=430.3
fwE=4.15
20190427T143955.0001.fits
SecZ=1.23
Focus=-4.435
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.451 -5.564 -1.290
T123=8.7 7.8 10.5
ALT/AZ=54.6 75.0
fwAVG=4.51
sdW=139.8
fwW=4.69
sdS=600.8
fwS=4.75
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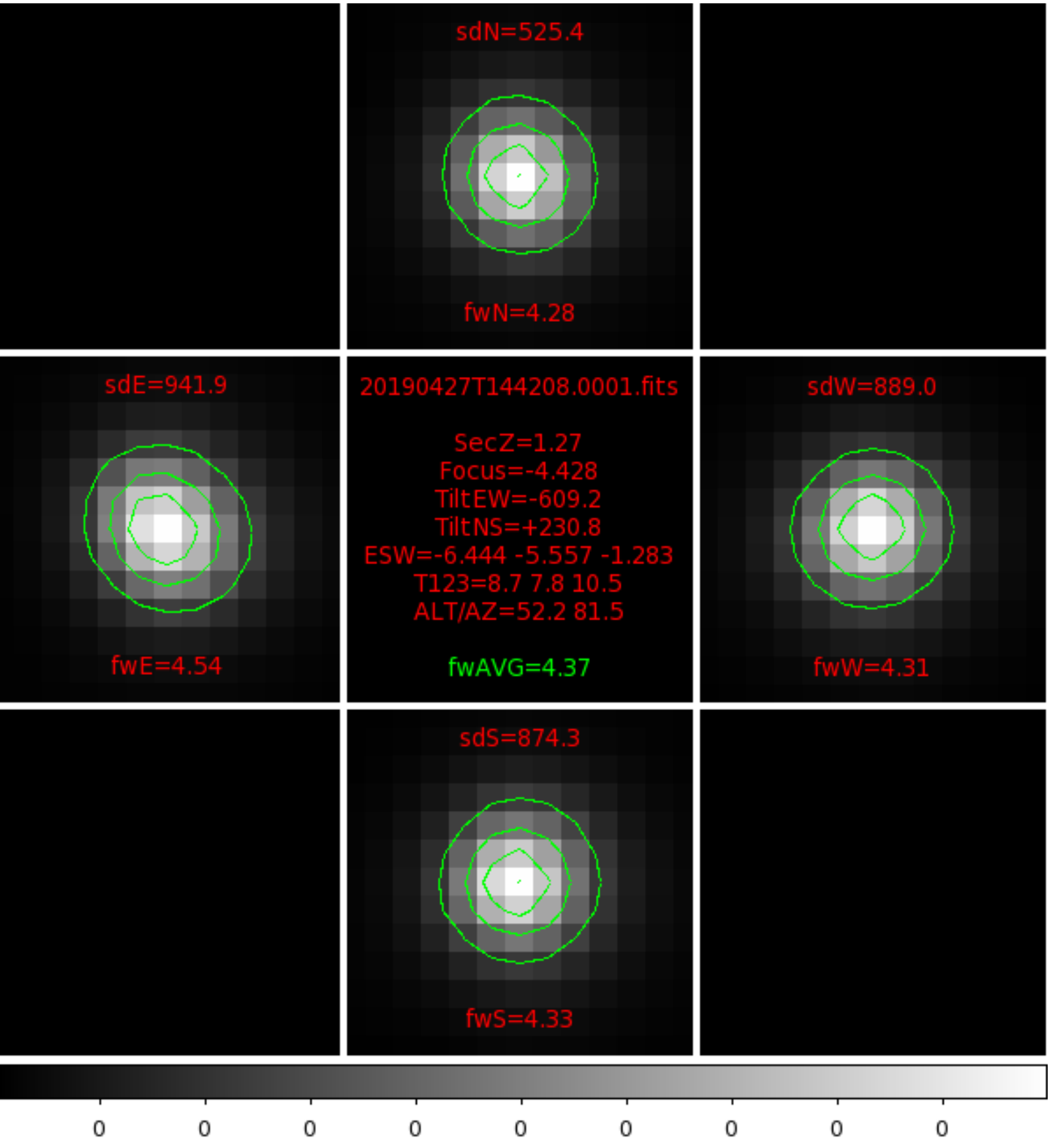
sdN=525.4
fwN=4.28
sdE=941.9
fwE=4.54
20190427T144208.0001.fits
SecZ=1.27
Focus=-4.428
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.444 -5.557 -1.283
T123=8.7 7.8 10.5
ALT/AZ=52.2 81.5
fwAVG=4.37
sdW=889.0
fwW=4.31
sdS=874.3
fwS=4.33
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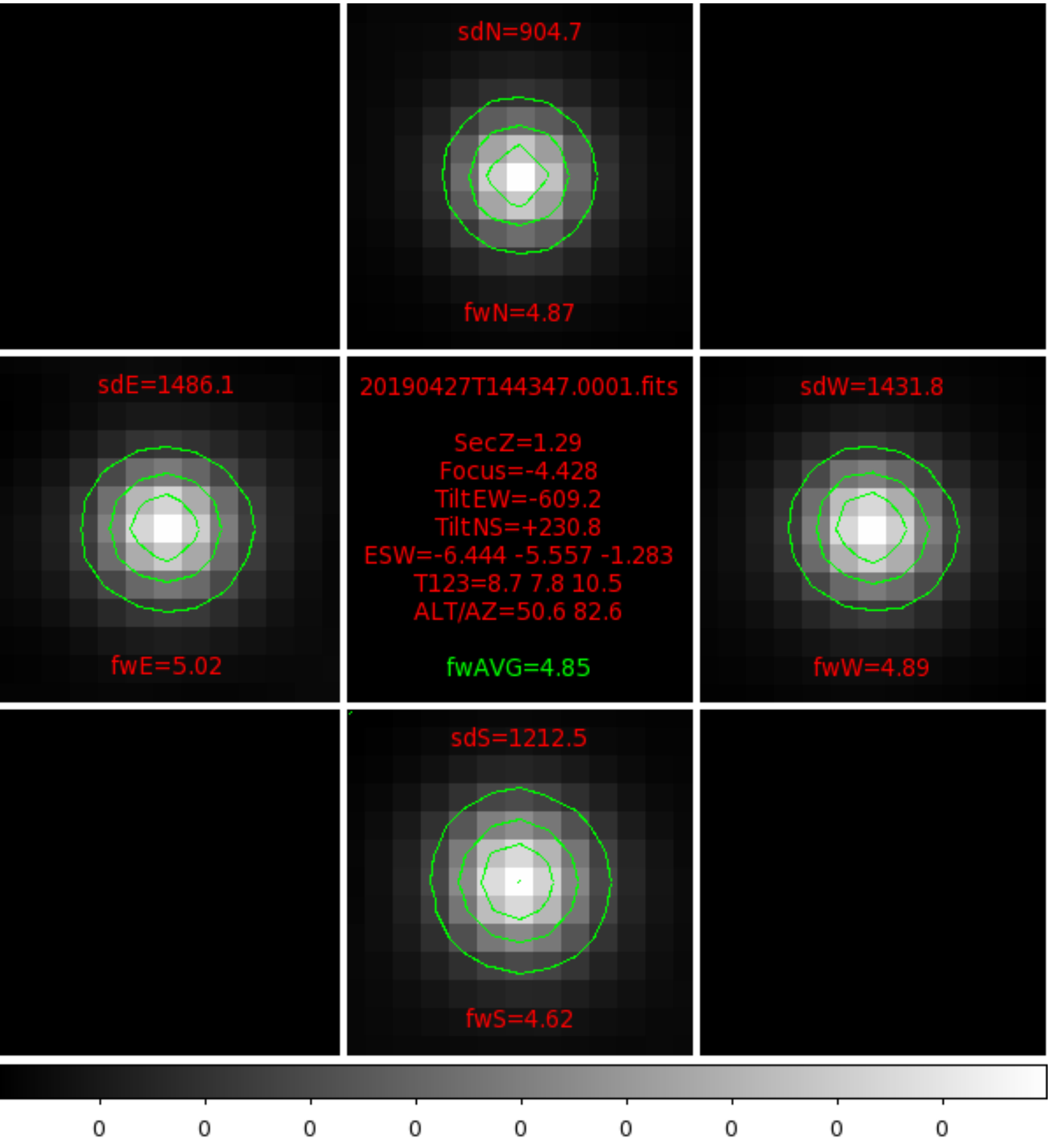
sdN=904.7
fwN=4.87
sdE=1486.1
fwE=5.02
20190427T144347.0001.fits
SecZ=1.29
Focus=-4.428
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.444 -5.557 -1.283
T123=8.7 7.8 10.5
ALT/AZ=50.6 82.6
fwAVG=4.85
sdW=1431.8
fwW=4.89
sdS=1212.5
fwS=4.62
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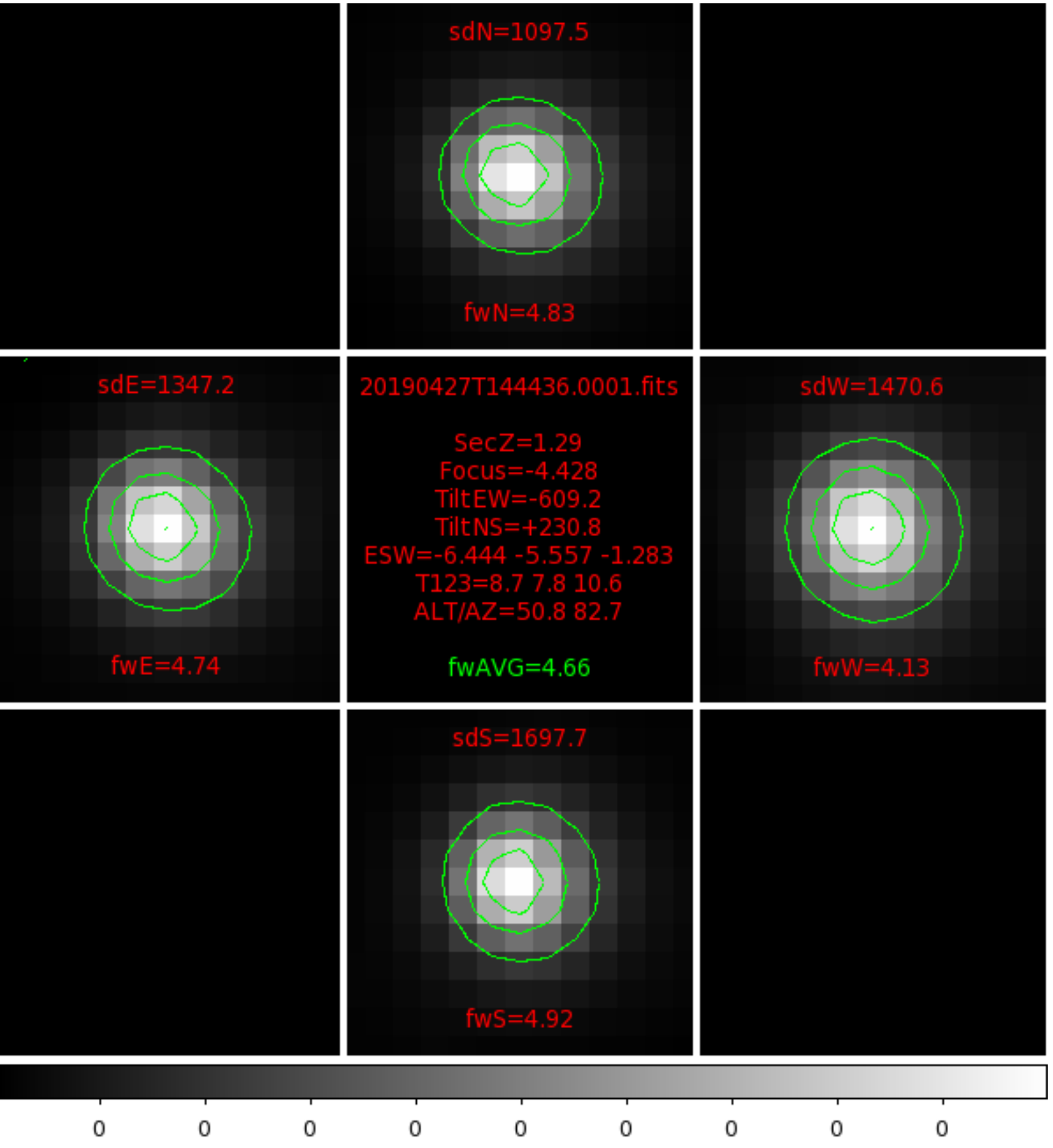
sdN=1097.5
fwN=4.83
sdE=1347.2
fwE=4.74
20190427T144436.0001.fits
SecZ=1.29
Focus=-4.428
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.444 -5.557 -1.283
T123=8.7 7.8 10.6
ALT/AZ=50.8 82.7
fwAVG=4.66
sdW=1470.6
fwW=4.13
sdS=1697.7
fwS=4.92
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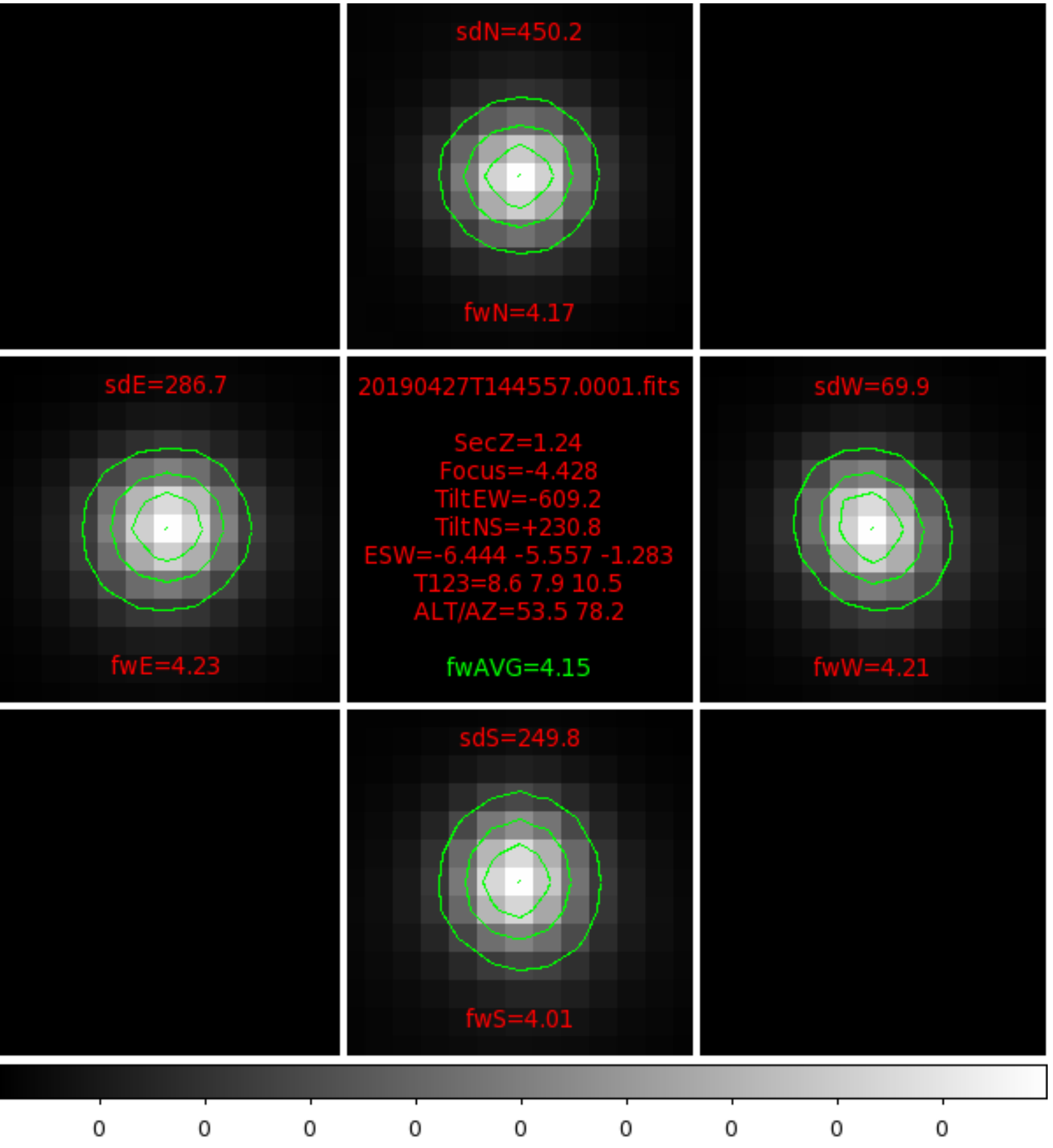
sdN=450.2
fwN=4.17
sdE=286.7
fwE=4.23
20190427T144557.0001.fits
SecZ=1.24
Focus=-4.428
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.444 -5.557 -1.283
T123=8.6 7.9 10.5
ALT/AZ=53.5 78.2
fwAVG=4.15
sdW=69.9
fwW=4.21
sdS=249.8
fwS=4.01
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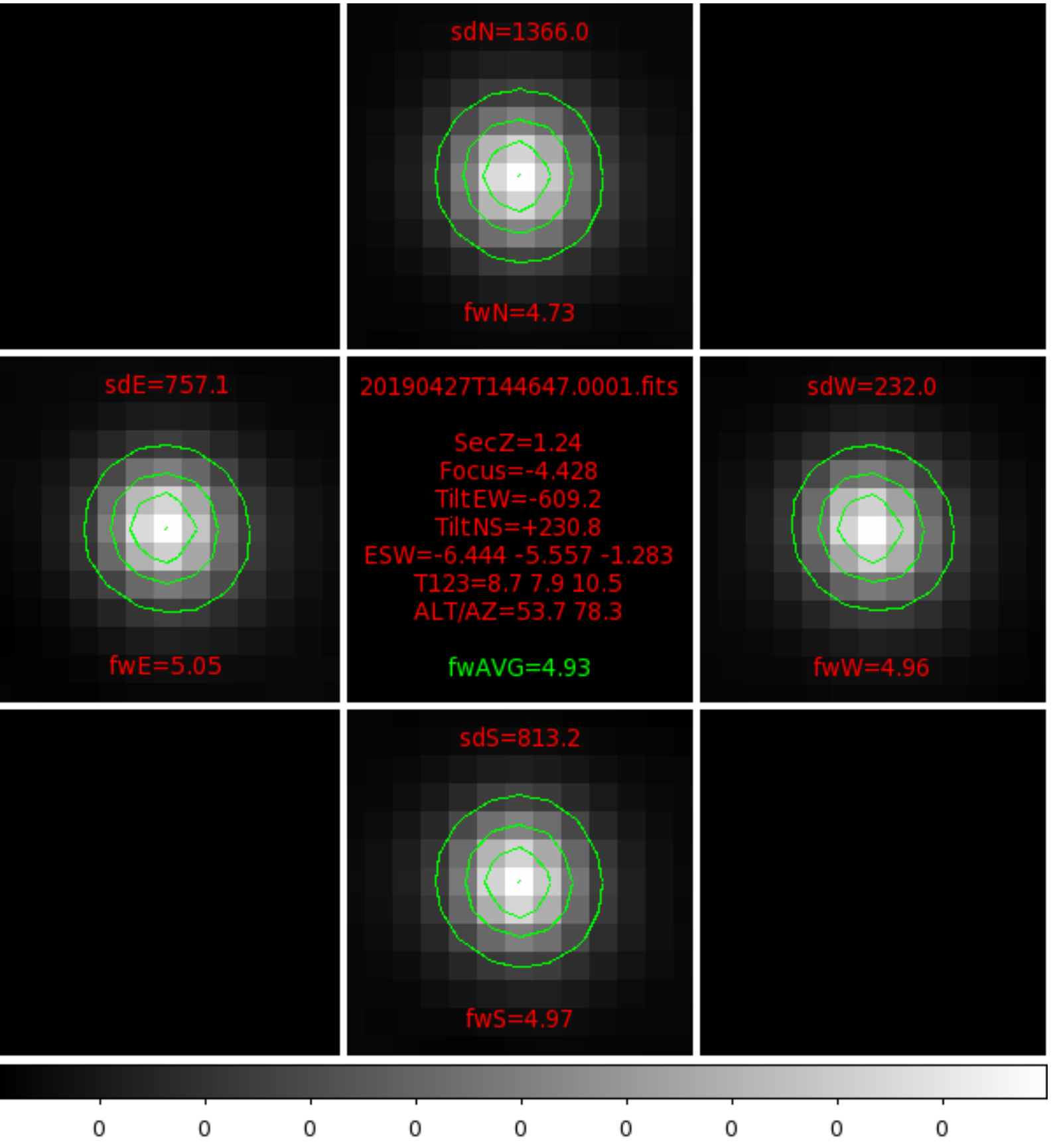
sdN=1366.0
fwN=4.73
sdE=757.1
fwE=5.05
20190427T144647.0001.fits
SecZ=1.24
Focus=-4.428
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.444 -5.557 -1.283
T123=8.7 7.9 10.5
ALT/AZ=53.7 78.3
fwAVG=4.93
sdW=232.0
fwW=4.96
sdS=813.2
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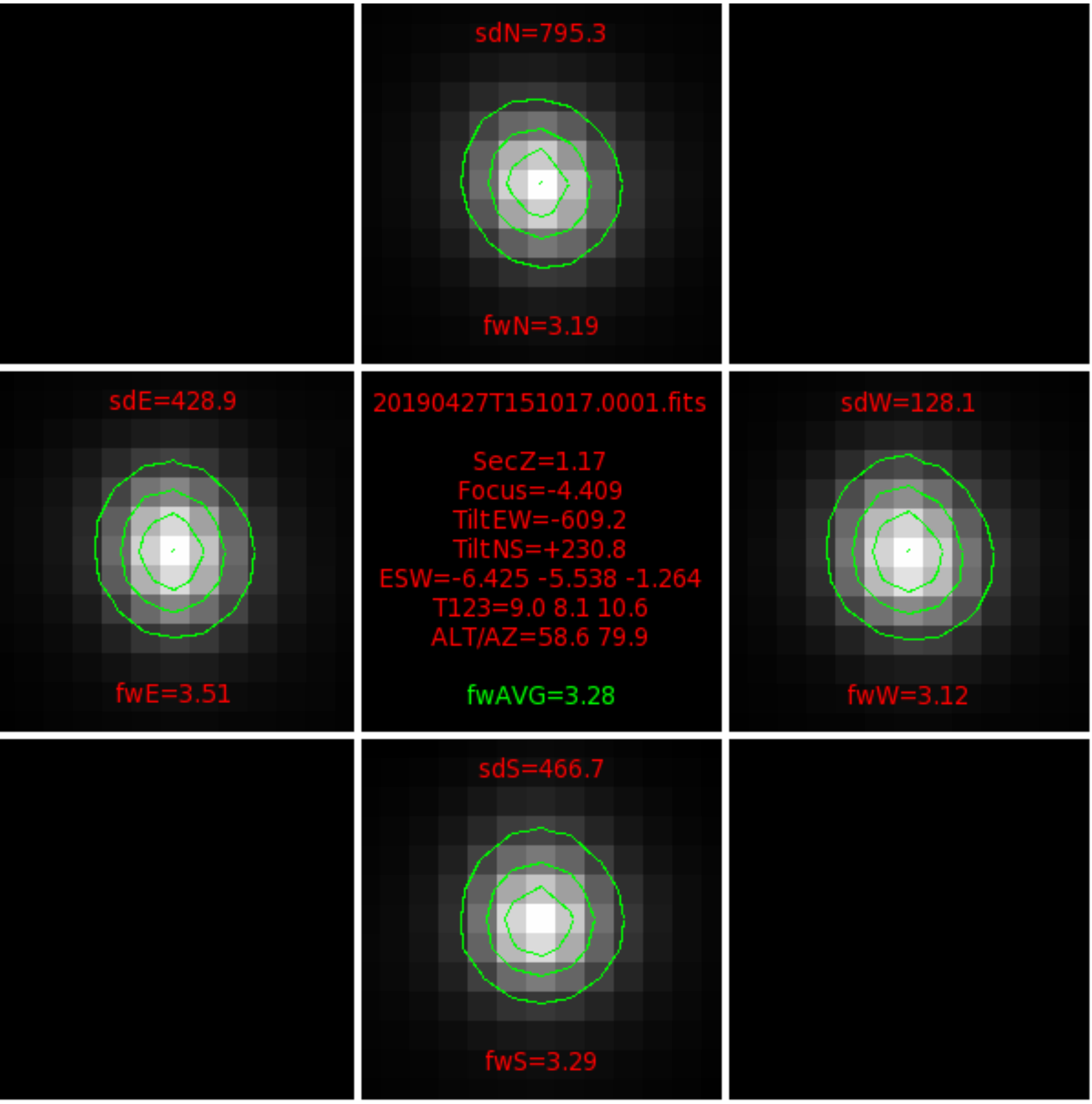
sdN=795.3
fwN=3.19
sdE=428.9
fwE=3.51
20190427T151017.0001.fits
SecZ=1.17
Focus=-4.409
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.425 -5.538 -1.264
T123=9.0 8.1 10.6
ALT/AZ=58.6 79.9
fwAVG=3.28
sdW=128.1
fwW=3.12
sdS=466.7
fwS=3.29
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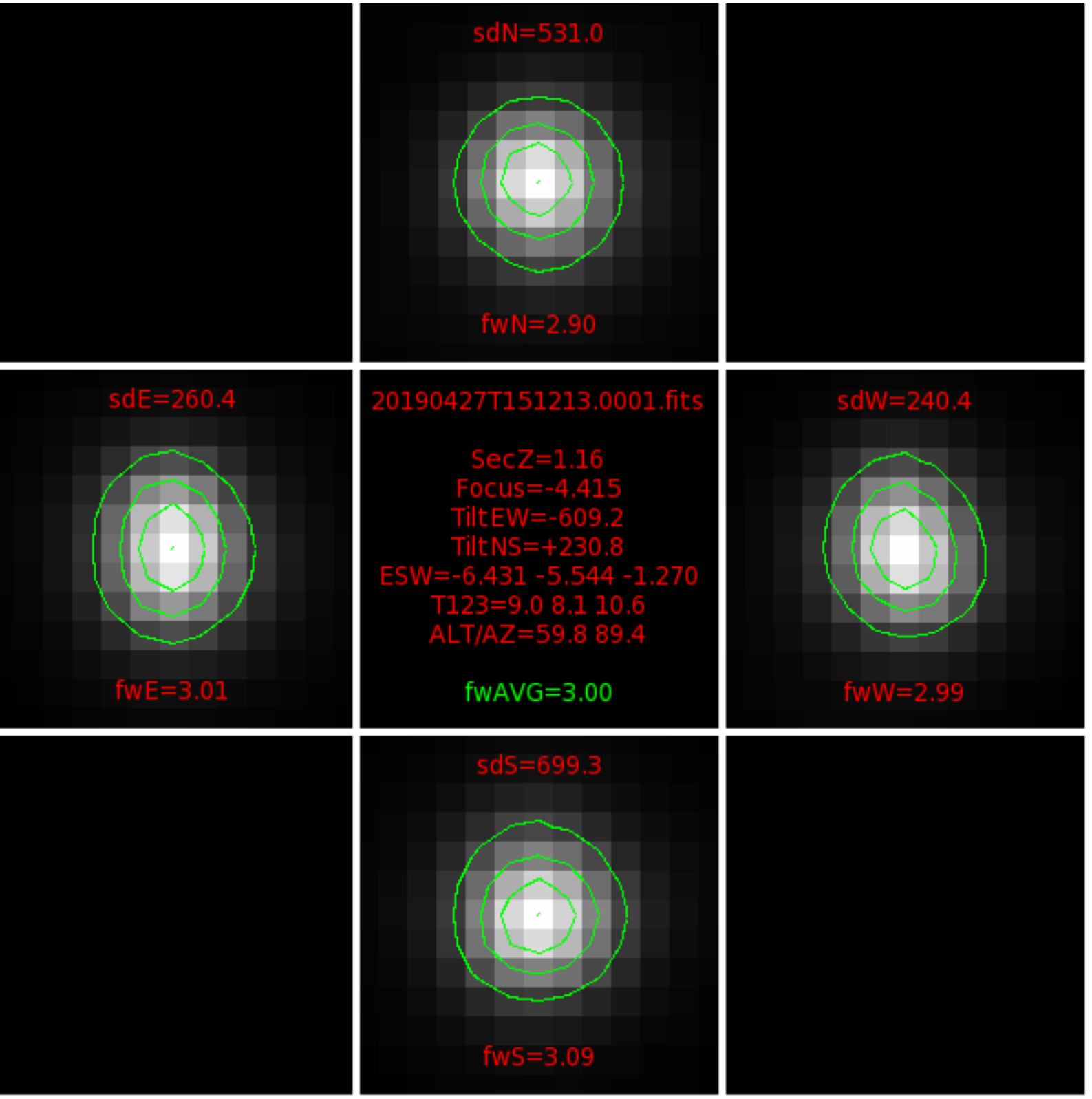
sdN=531.0
fwN=2.90
sdE=260.4
fwE=3.01
20190427T151213.0001.fits
SecZ=1.16
Focus=-4.415
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.431 -5.544 -1.270
T123=9.0 8.1 10.6
ALT/AZ=59.8 89.4
fwAVG=3.00
sdW=240.4
fwW=2.99
sdS=699.3
fwS=3.09
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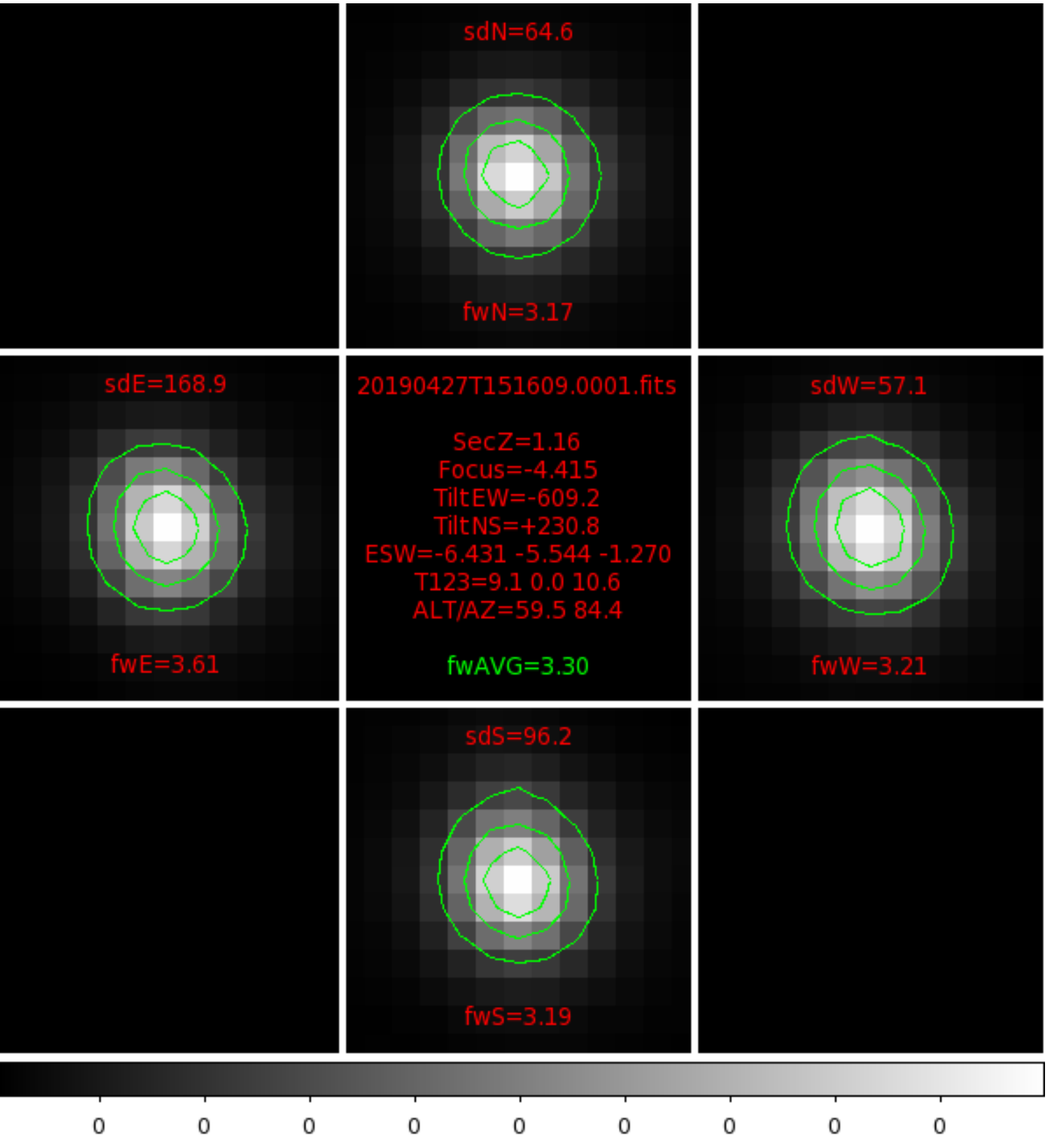
sdN=64.6
fwN=3.17
sdE=168.9
fwE=3.61
20190427T151609.0001.fits
SecZ=1.16
Focus=-4.415
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.431 -5.544 -1.270
T123=9.1 0.0 10.6
ALT/AZ=59.5 84.4
fwAVG=3.30
sdW=57.1
fwW=3.21
sdS=96.2
fwS=3.19
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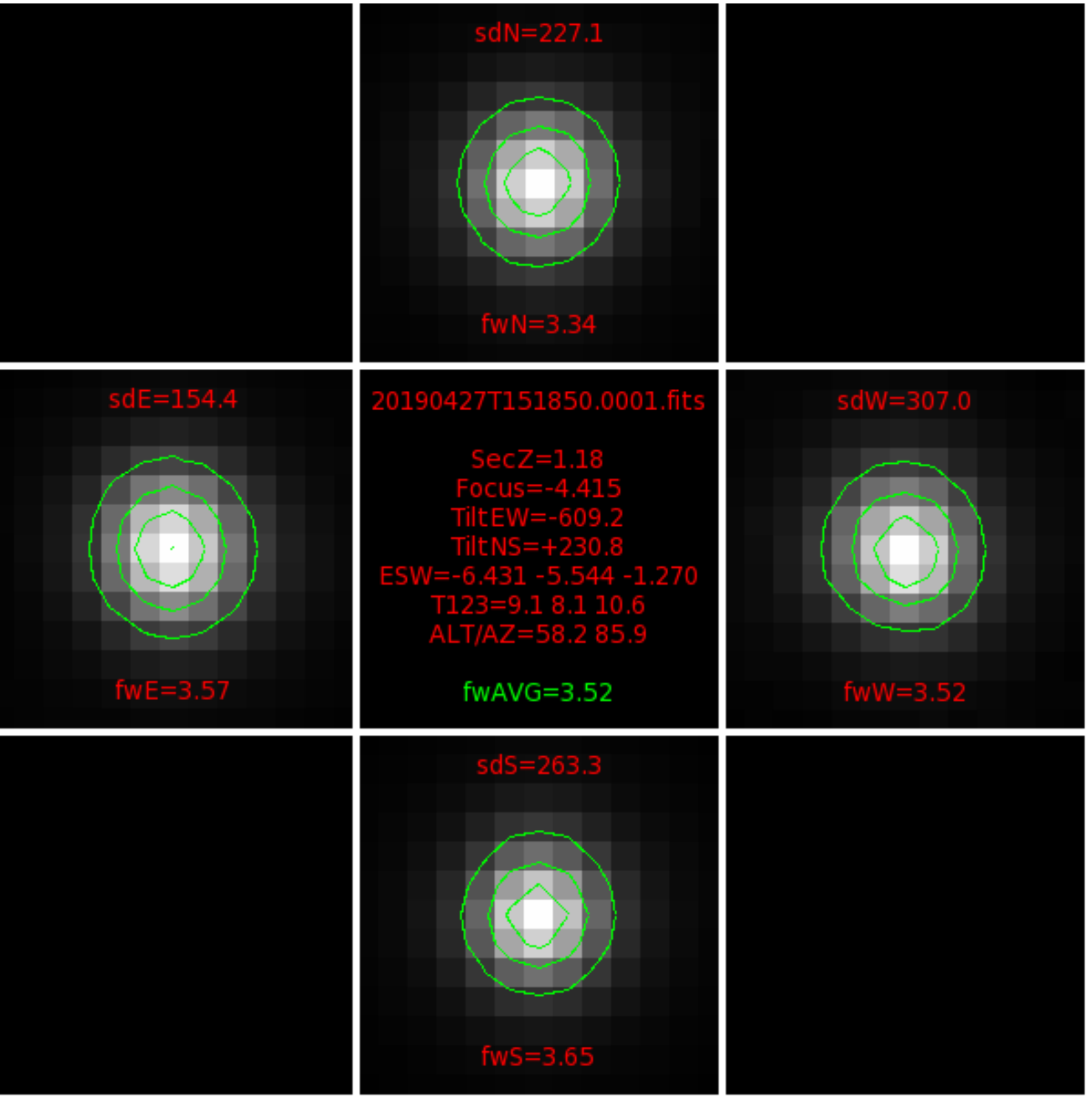
sdN=227.1
fwN=3.34
sdE=154.4
fwE=3.57
20190427T151850.0001.fits
SecZ=1.18
Focus=-4.415
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.431 -5.544 -1.270
T123=9.1 8.1 10.6
ALT/AZ=58.2 85.9
fwAVG=3.52
sdW=307.0
fwW=3.52
sdS=263.3
fwS=3.65
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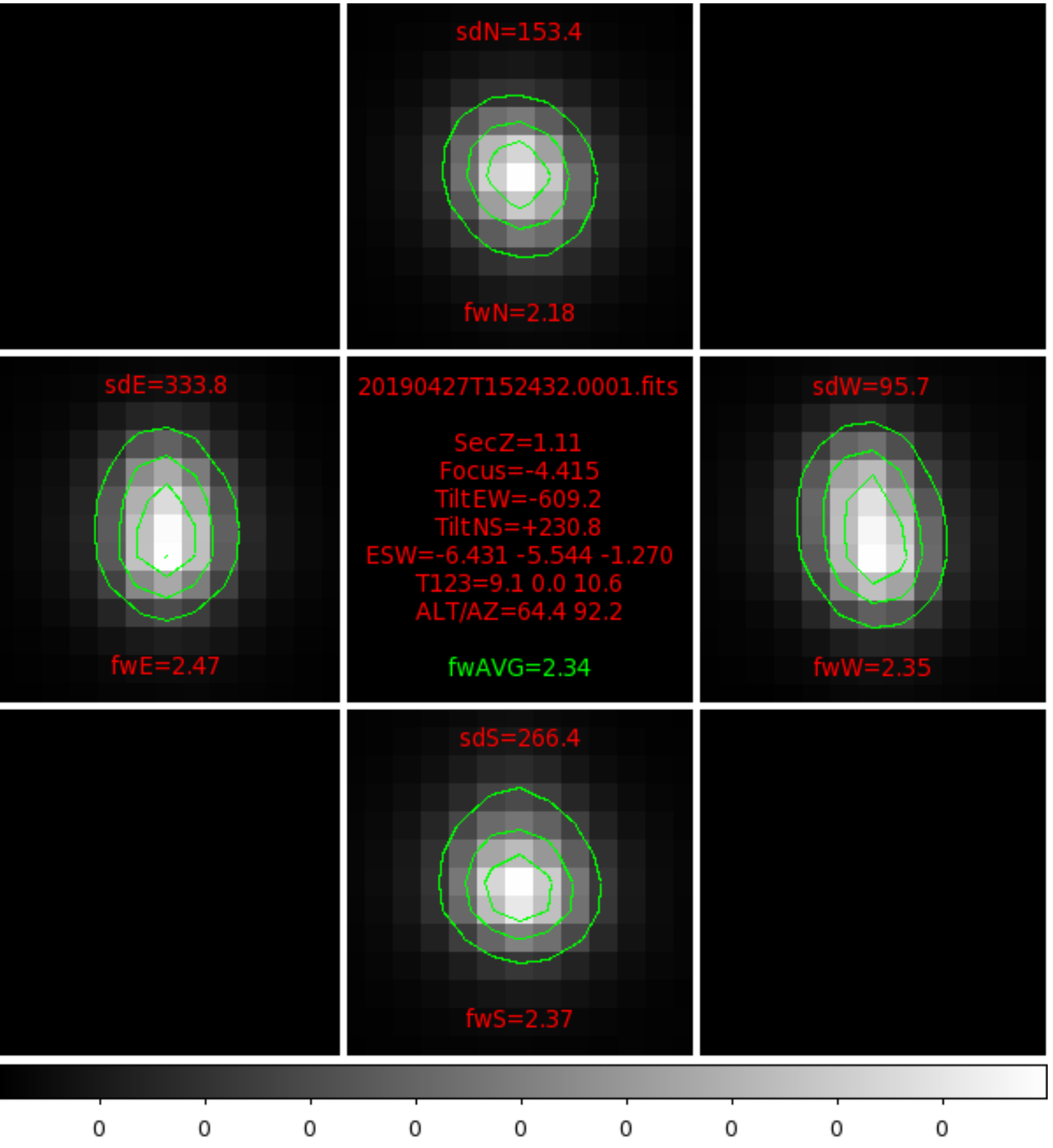
sdN=153.4
fwN=2.18
sdE=333.8
fwE=2.47
20190427T152432.0001.fits
SecZ=1.11
Focus=-4.415
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.431 -5.544 -1.270
T123=9.1 0.0 10.6
ALT/AZ=64.4 92.2
fwAVG=2.34
sdW=95.7
fwW=2.35
sdS=266.4
fwS=2.37
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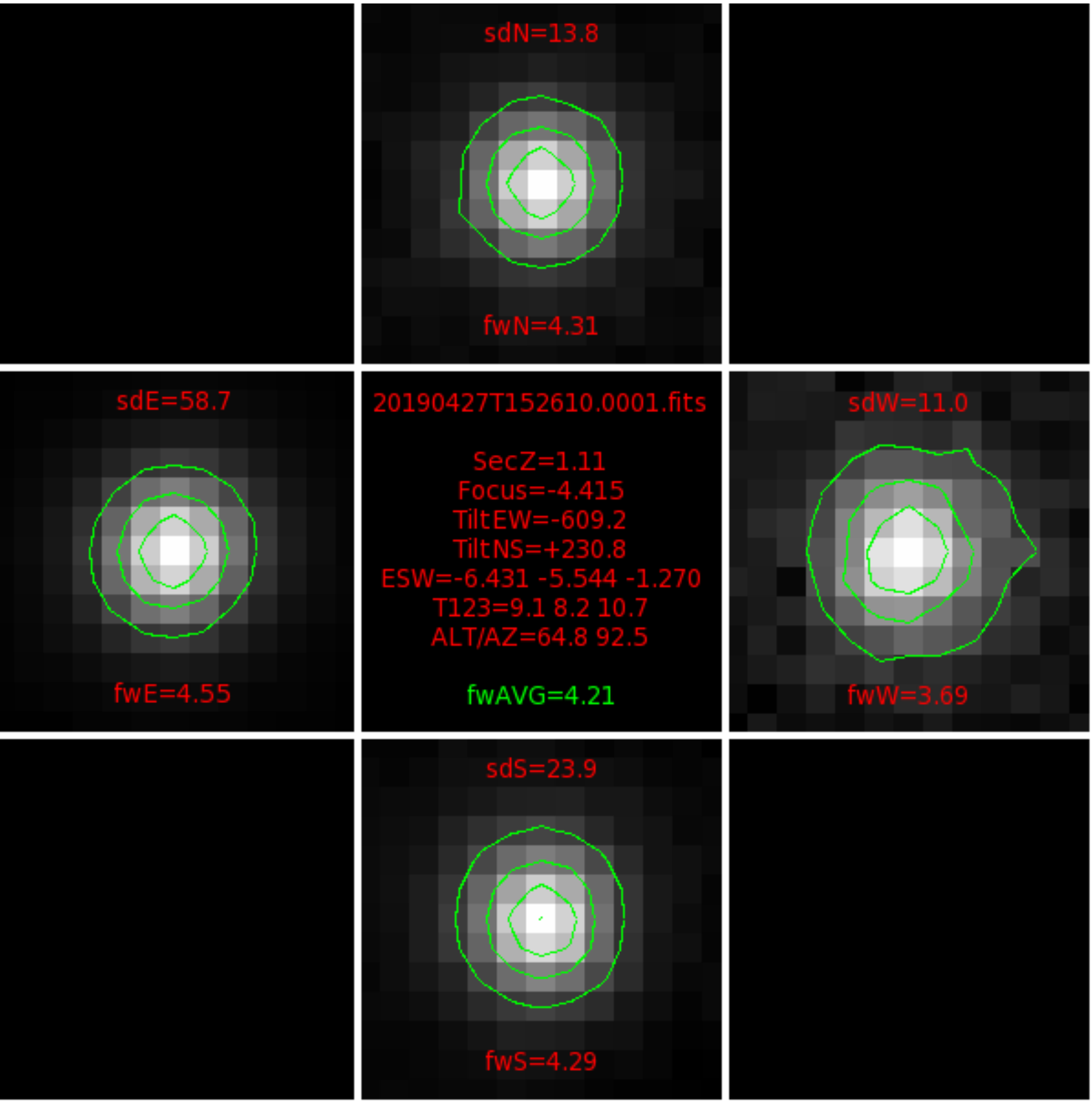
sdN=13.8
fwN=4.31
sdE=58.7
fwE=4.55
20190427T152610.0001.fits
SecZ=1.11
Focus=-4.415
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.431 -5.544 -1.270
T123=9.1 8.2 10.7
ALT/AZ=64.8 92.5
fwAVG=4.21
sdW=11.0
fwW=3.69
sdS=23.9
fwS=4.29
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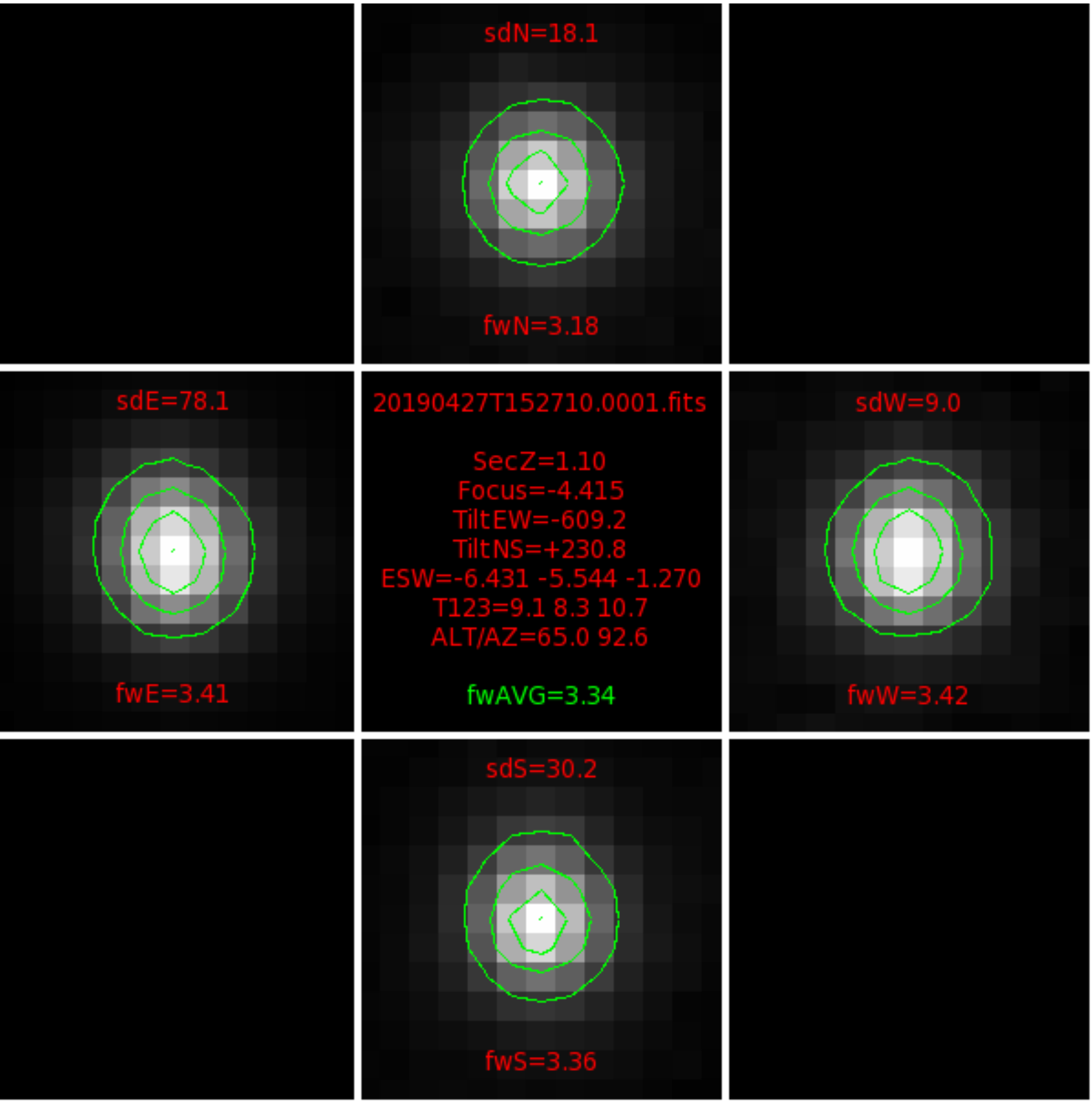
sdN=18.1
fwN=3.18
sdE=78.1
fwE=3.41
20190427T152710.0001.fits
SecZ=1.10
Focus=-4.415
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.431 -5.544 -1.270
T123=9.1 8.3 10.7
ALT/AZ=65.0 92.6
fwAVG=3.34
sdW=9.0
fwW=3.42
sdS=30.2
fwS=3.36
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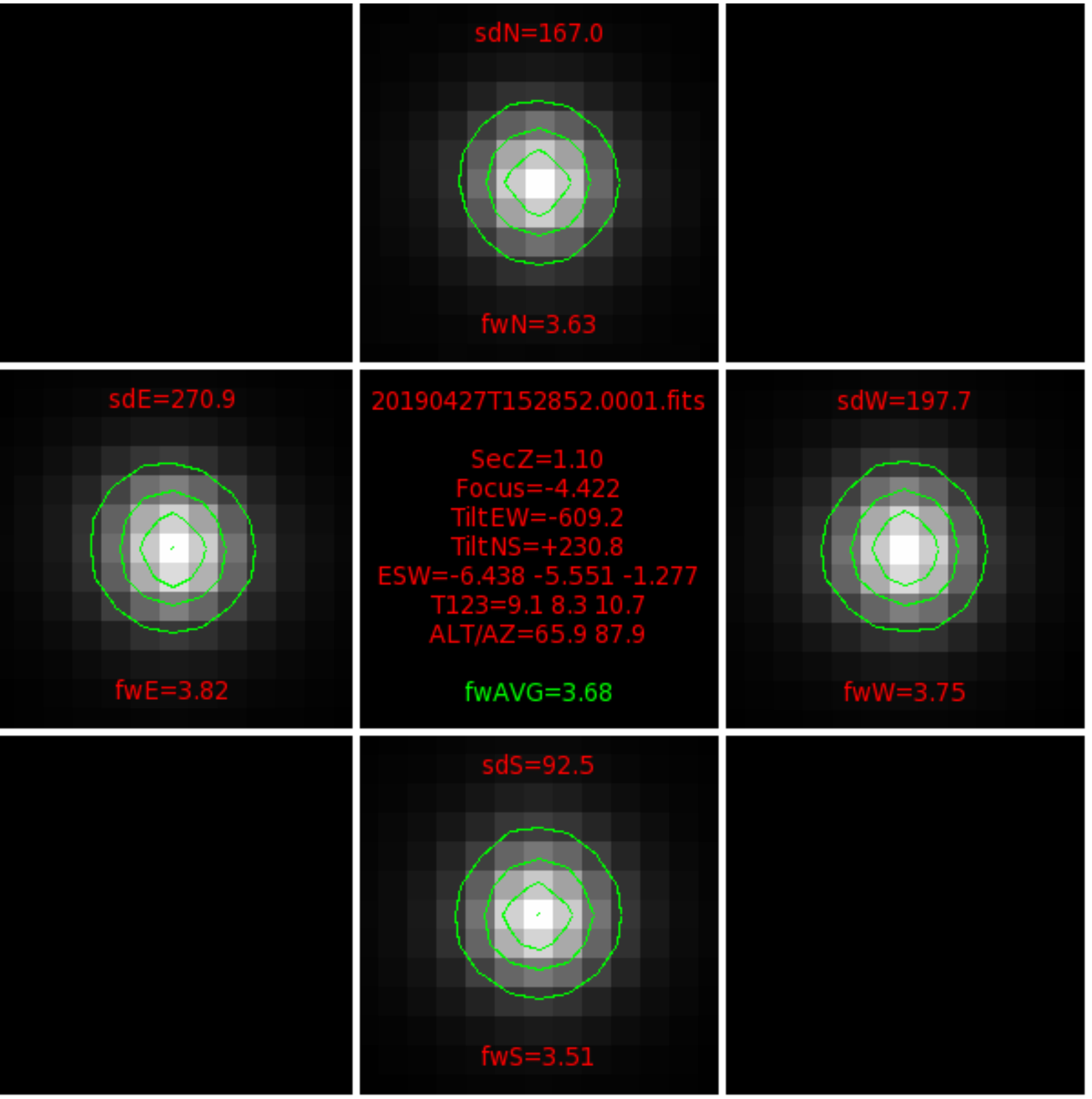
sdN=167.0
fwN=3.63
sdE=270.9
fwE=3.82
20190427T152852.0001.fits
SecZ=1.10
Focus=-4.422
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.438 -5.551 -1.277
T123=9.1 8.3 10.7
ALT/AZ=65.9 87.9
fwAVG=3.68
sdW=197.7
fwW=3.75
sdS=92.5
fwS=3.51
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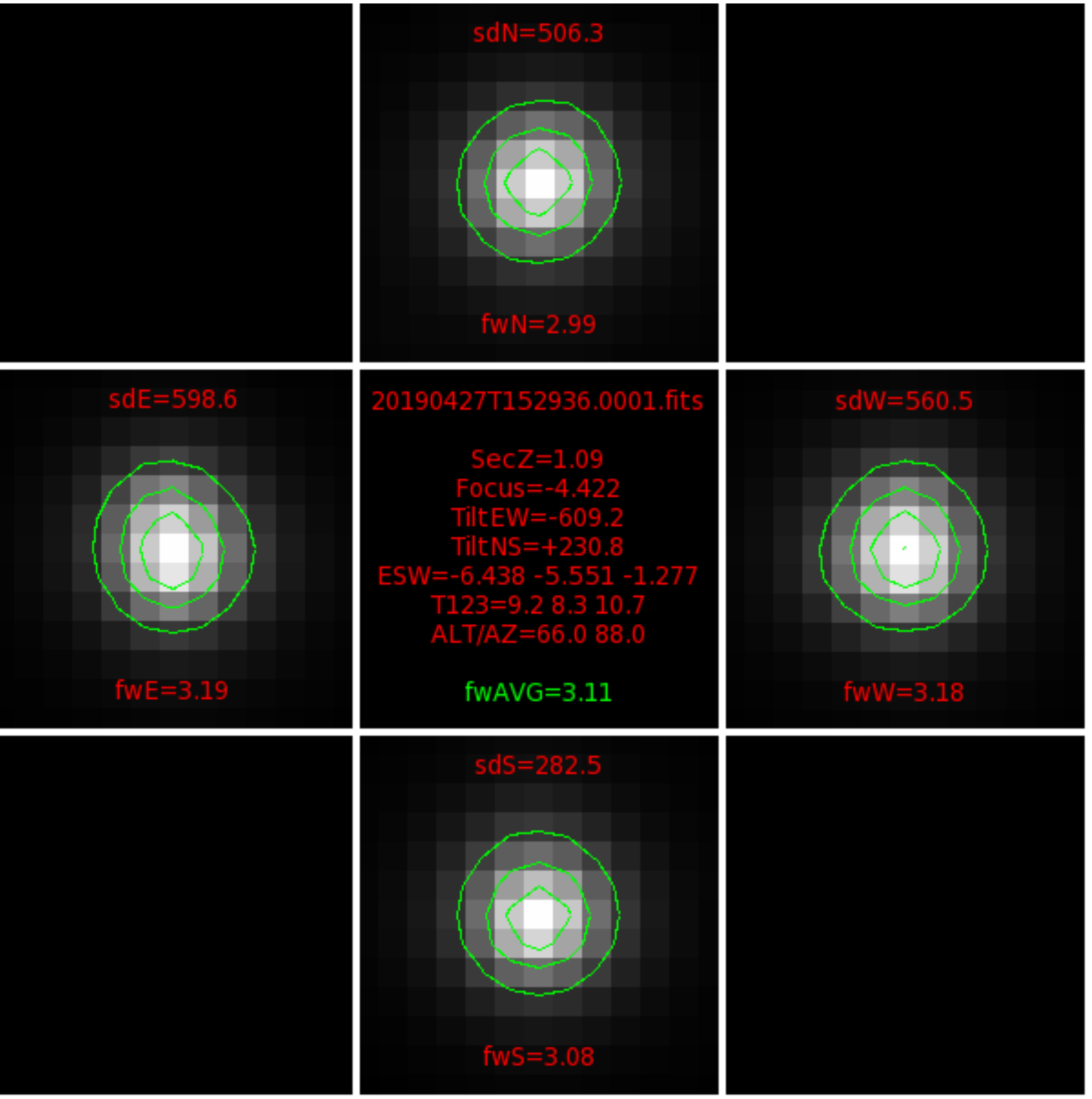
sdN=506.3
fwN=2.99
sdE=598.6
fwE=3.19
20190427T152936.0001.fits
SecZ=1.09
Focus=-4.422
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.438 -5.551 -1.277
T123=9.2 8.3 10.7
ALT/AZ=66.0 88.0
fwAVG=3.11
sdW=560.5
fwW=3.18
sdS=282.5
fwS=3.08
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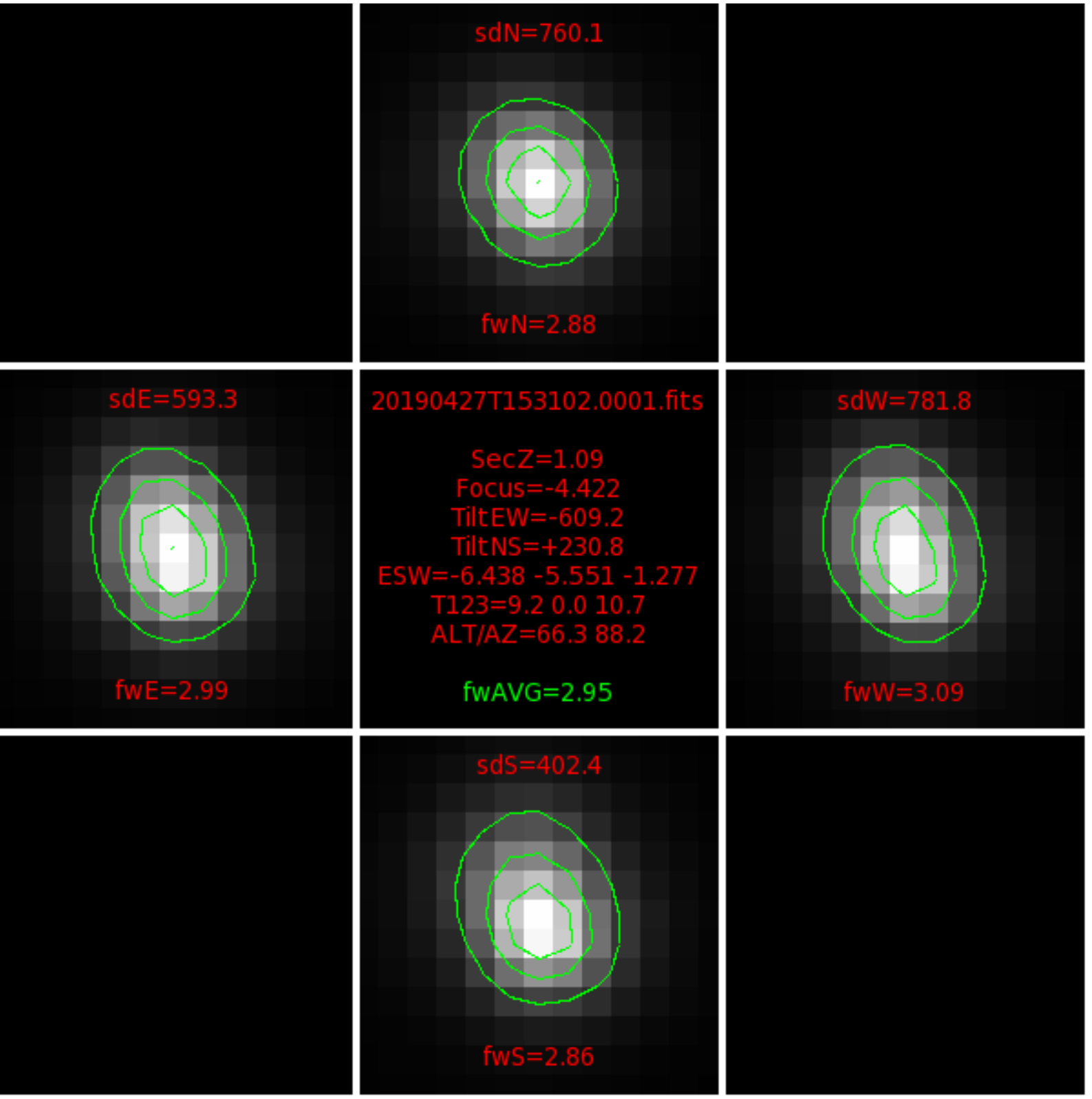
sdN=760.1
fwN=2.88
sdE=593.3
fwE=2.99
20190427T153102.0001.fits
SecZ=1.09
Focus=-4.422
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.438 -5.551 -1.277
T123=9.2 0.0 10.7
ALT/AZ=66.3 88.2
fwAVG=2.95
sdW=781.8
fwW=3.09
sdS=402.4
fwS=2.86
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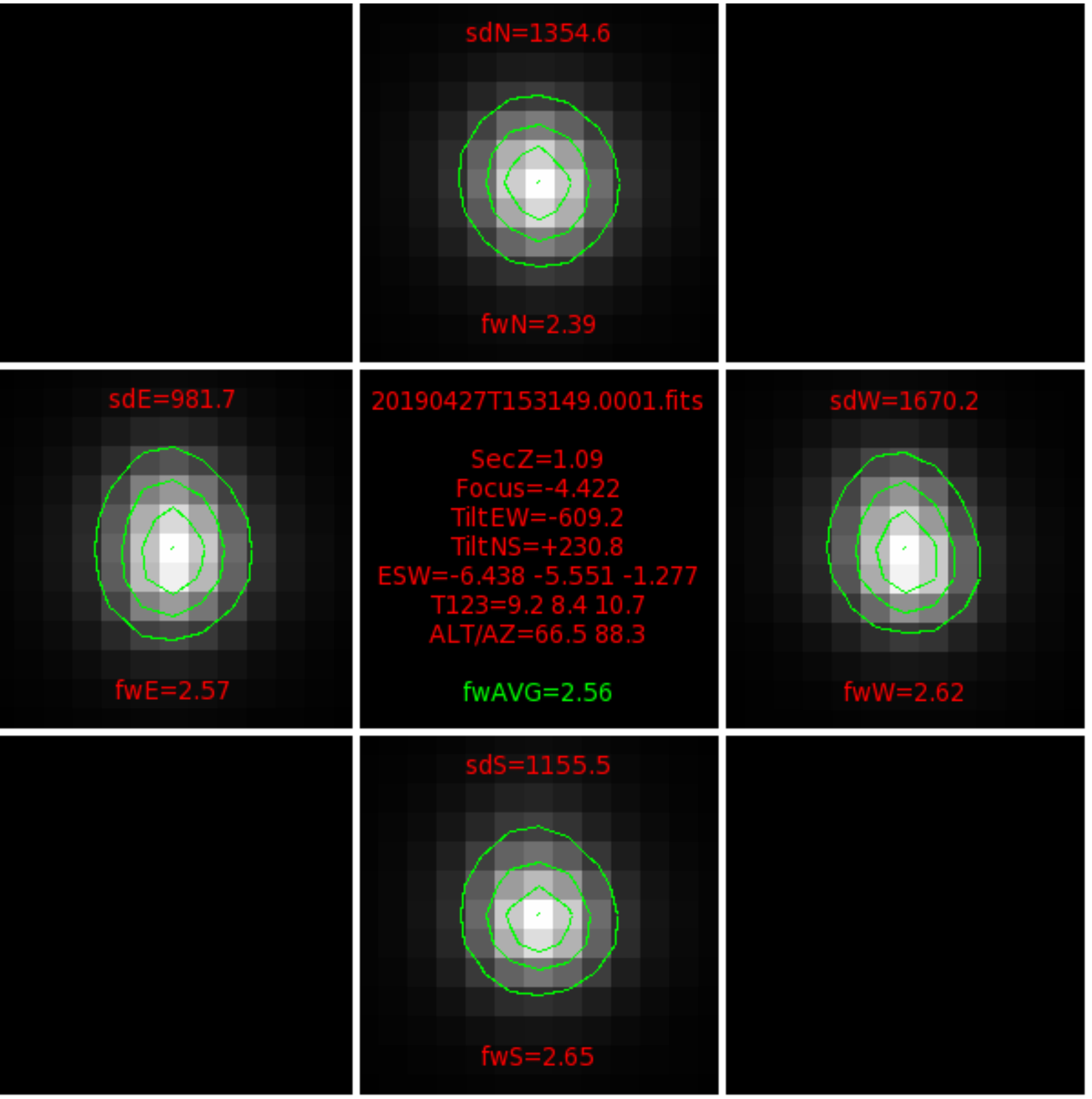
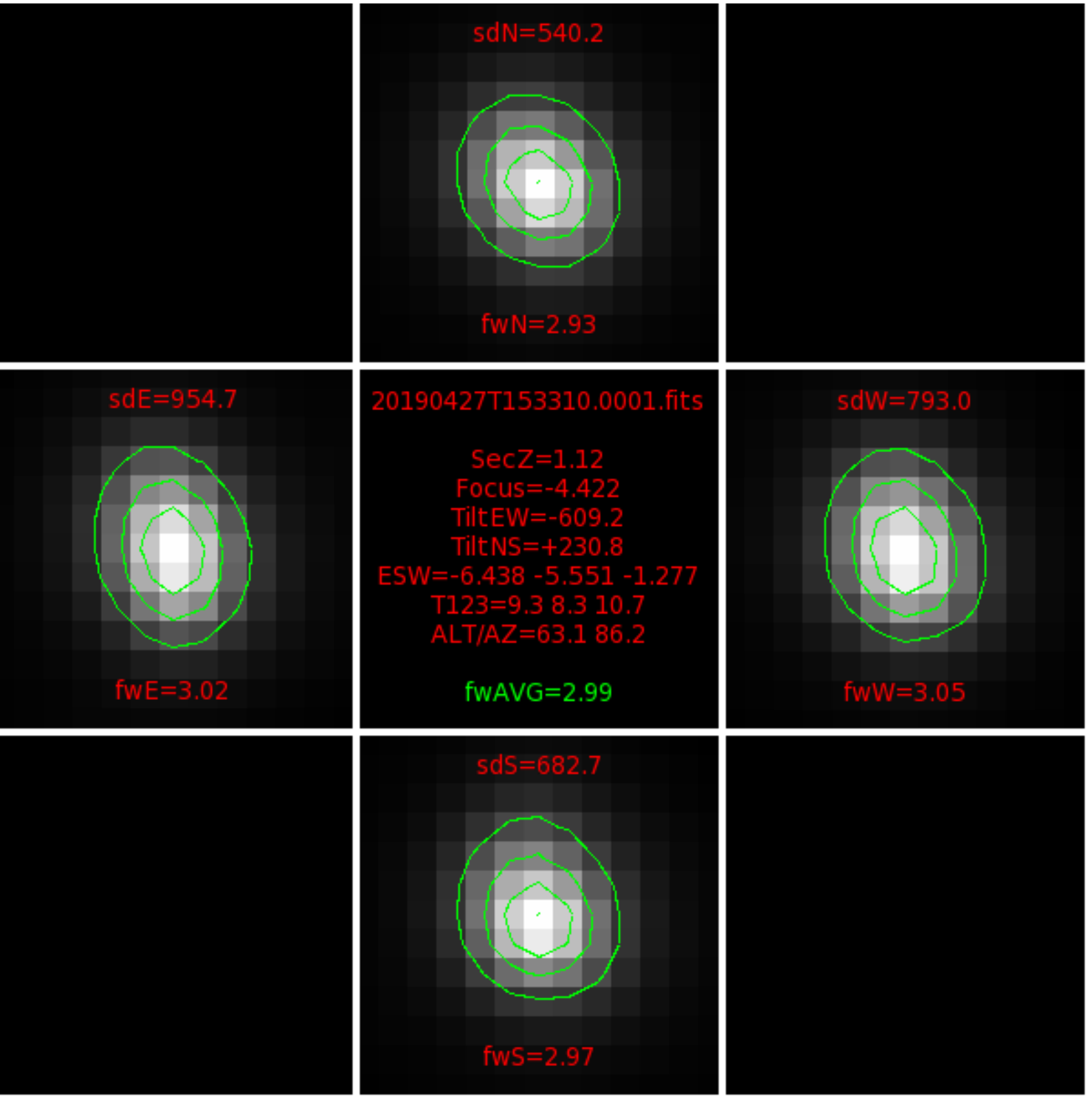

sdN=1354.6
fwN=2.39
sdE=981.7
fwE=2.57
20190427T153149.0001.fits
SecZ=1.09
Focus=-4.422
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.438 -5.551 -1.277
T123=9.2 8.4 10.7
ALT/AZ=66.5 88.3
fwAVG=2.56
sdW=1670.2
fwW=2.62
sdS=1155.5
fwS=2.65
0 0 0 0 0 0 0 0 0


sdN=540.2
fwN=2.93
sdE=954.7
fwE=3.02
20190427T153310.0001.fits
SecZ=1.12
Focus=-4.422
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.438 -5.551 -1.277
T123=9.3 8.3 10.7
ALT/AZ=63.1 86.2
fwAVG=2.99
sdW=793.0
fwW=3.05
sdS=682.7
fwS=2.97
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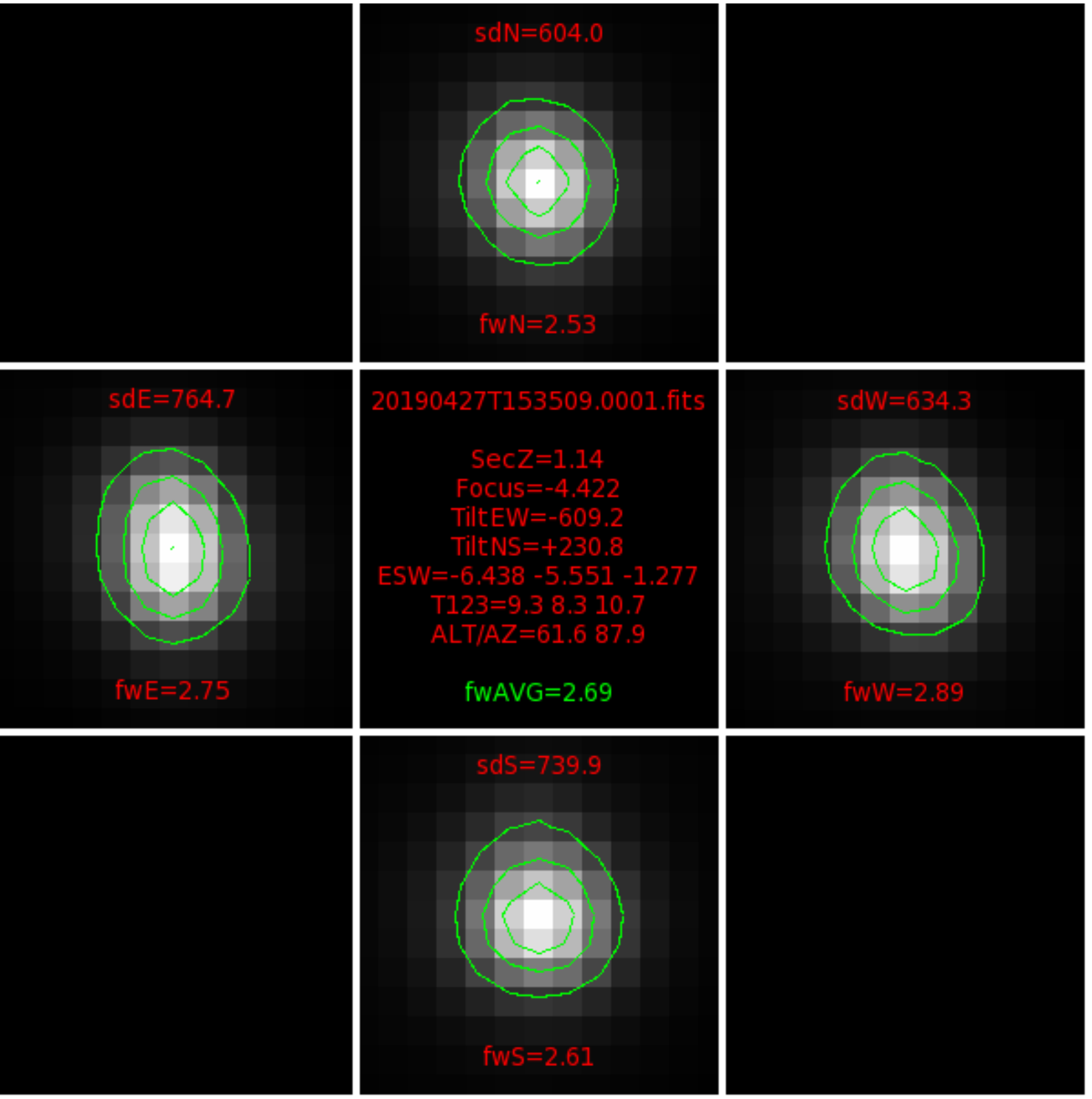
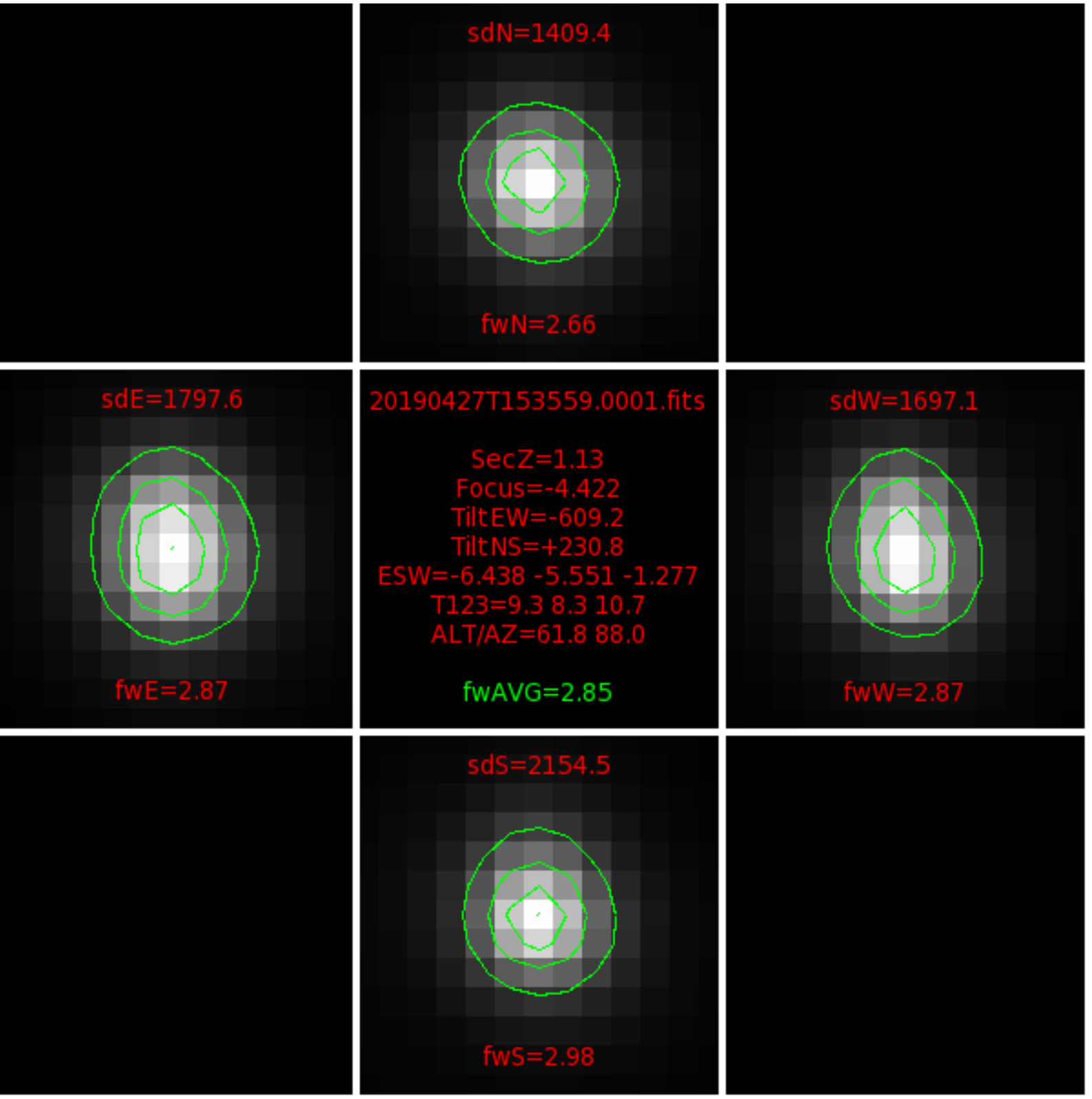

sdN=604.0
fwN=2.53
sdE=764.7
fwE=2.75
20190427T153509.0001.fits
SecZ=1.14
Focus=-4.422
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.438 -5.551 -1.277
T123=9.3 8.3 10.7
ALT/AZ=61.6 87.9
fwAVG=2.69
sdW=634.3
fwW=2.89
sdS=739.9
fwS=2.61
0 0 0 0 0 0 0 0 0


sdN=1409.4
fwN=2.66
sdE=1797.6
fwE=2.87
20190427T153559.0001.fits
SecZ=1.13
Focus=-4.422
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.438 -5.551 -1.277
T123=9.3 8.3 10.7
ALT/AZ=61.8 88.0
fwAVG=2.85
sdW=1697.1
fwW=2.87
sdS=2154.5
fwS=2.98
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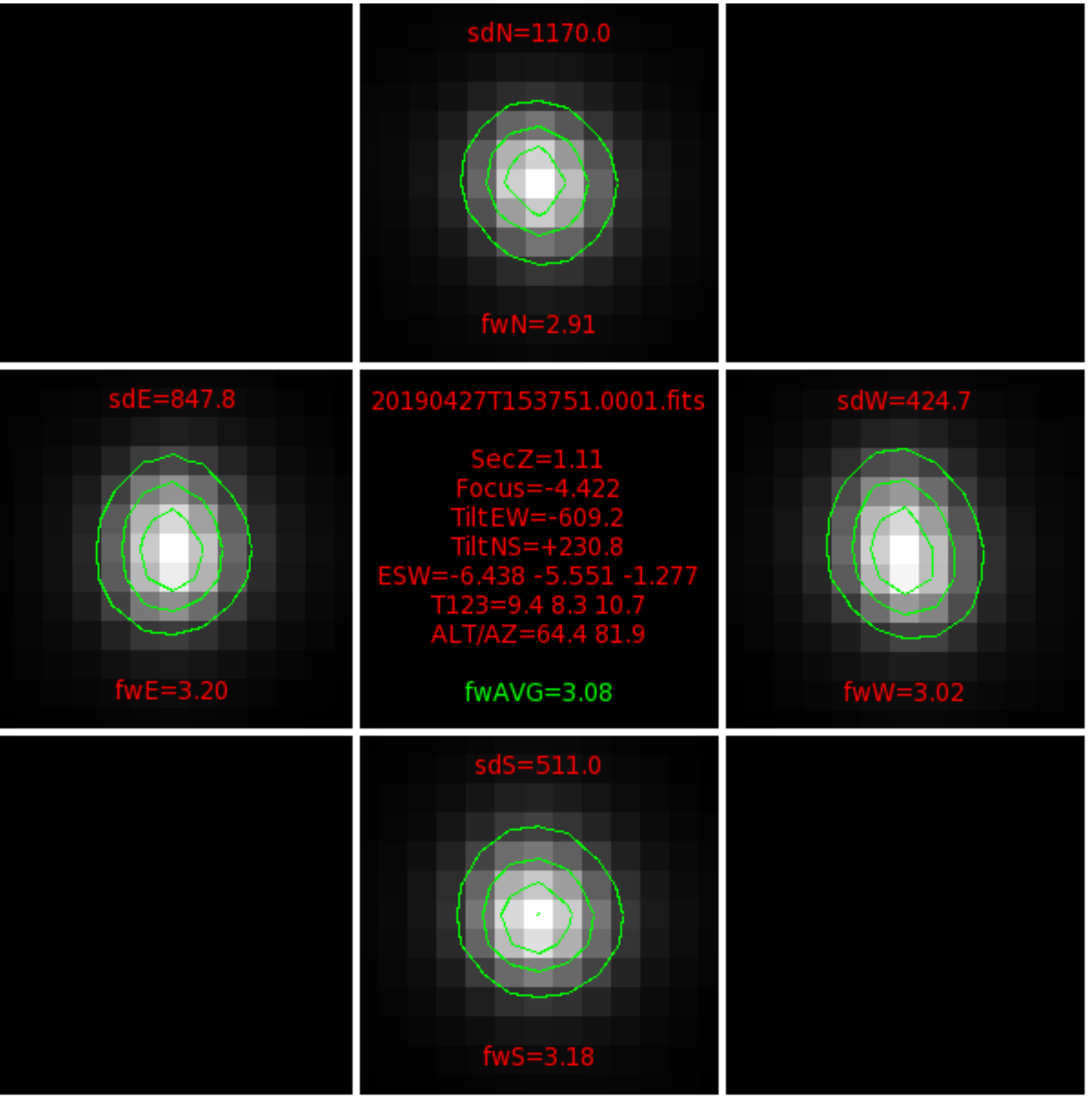
sdN=1170.0
fwN=2.91
sdE=847.8
fwE=3.20
20190427T153751.0001.fits
SecZ=1.11
Focus=-4.422
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.438 -5.551 -1.277
T123=9.4 8.3 10.7
ALT/AZ=64.4 81.9
fwAVG=3.08
sdW=424.7
fwW=3.02
sdS=511.0
fwS=3.18
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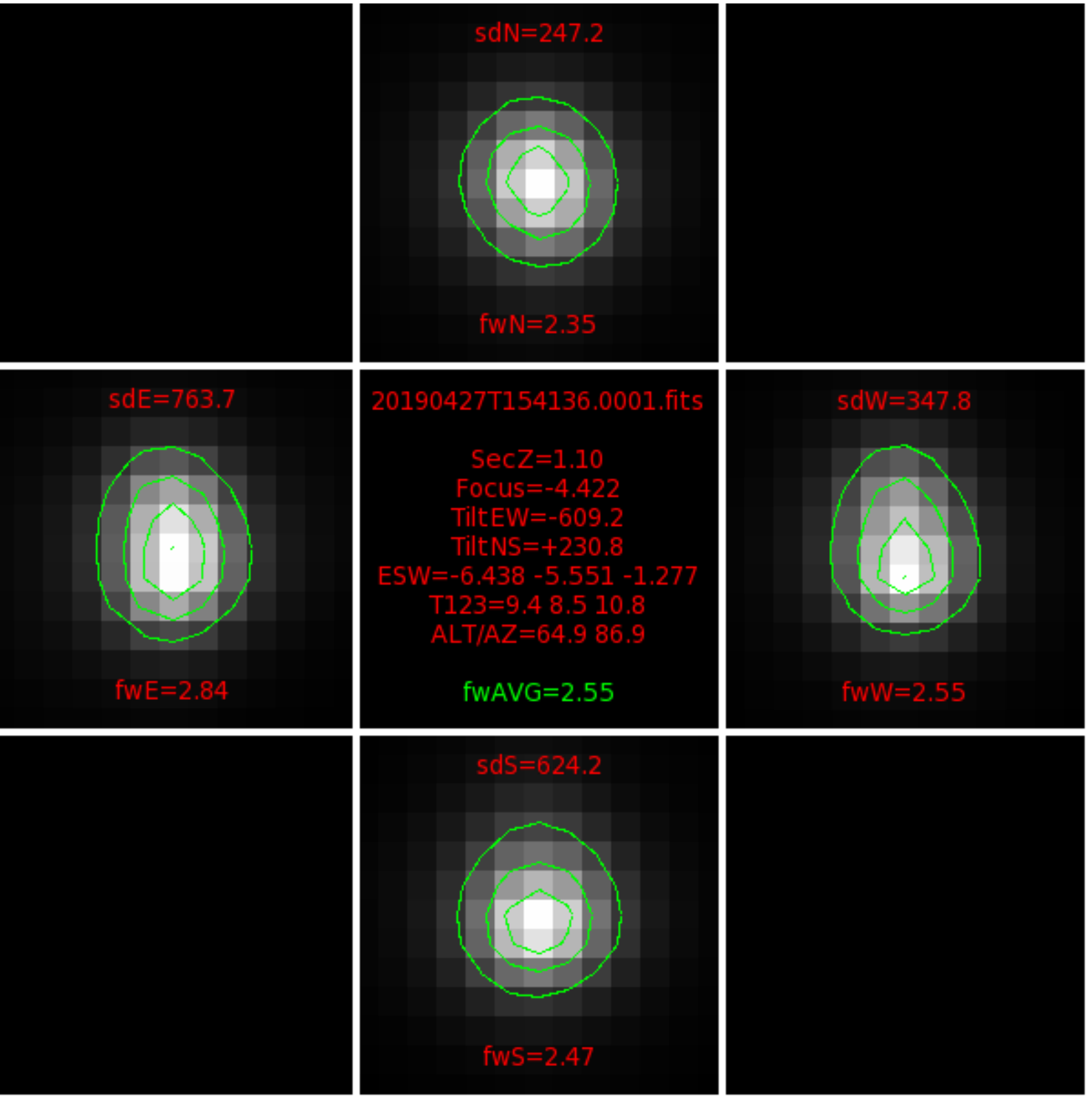
sdN=247.2
fwN=2.35
sdE=763.7
fwE=2.84
20190427T154136.0001.fits
SecZ=1.10
Focus=-4.422
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.438 -5.551 -1.277
T123=9.4 8.5 10.8
ALT/AZ=64.9 86.9
fwAVG=2.55
sdW=347.8
fwW=2.55
sdS=624.2
fwS=2.47
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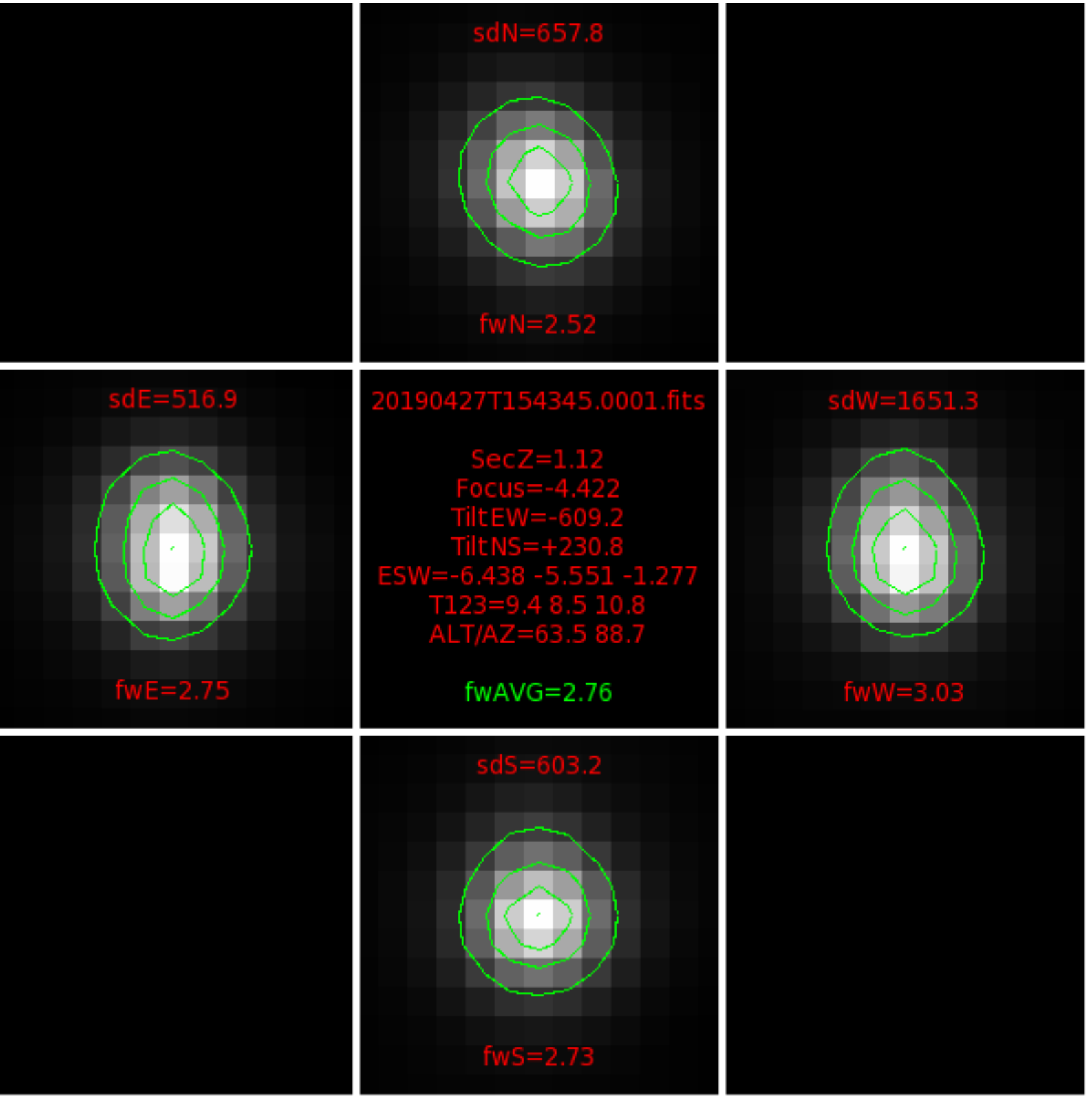
sdN=657.8
fwN=2.52
sdE=516.9
fwE=2.75
20190427T154345.0001.fits
SecZ=1.12
Focus=-4.422
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.438 -5.551 -1.277
T123=9.4 8.5 10.8
ALT/AZ=63.5 88.7
fwAVG=2.76
sdW=1651.3
fwW=3.03
sdS=603.2
fwS=2.73
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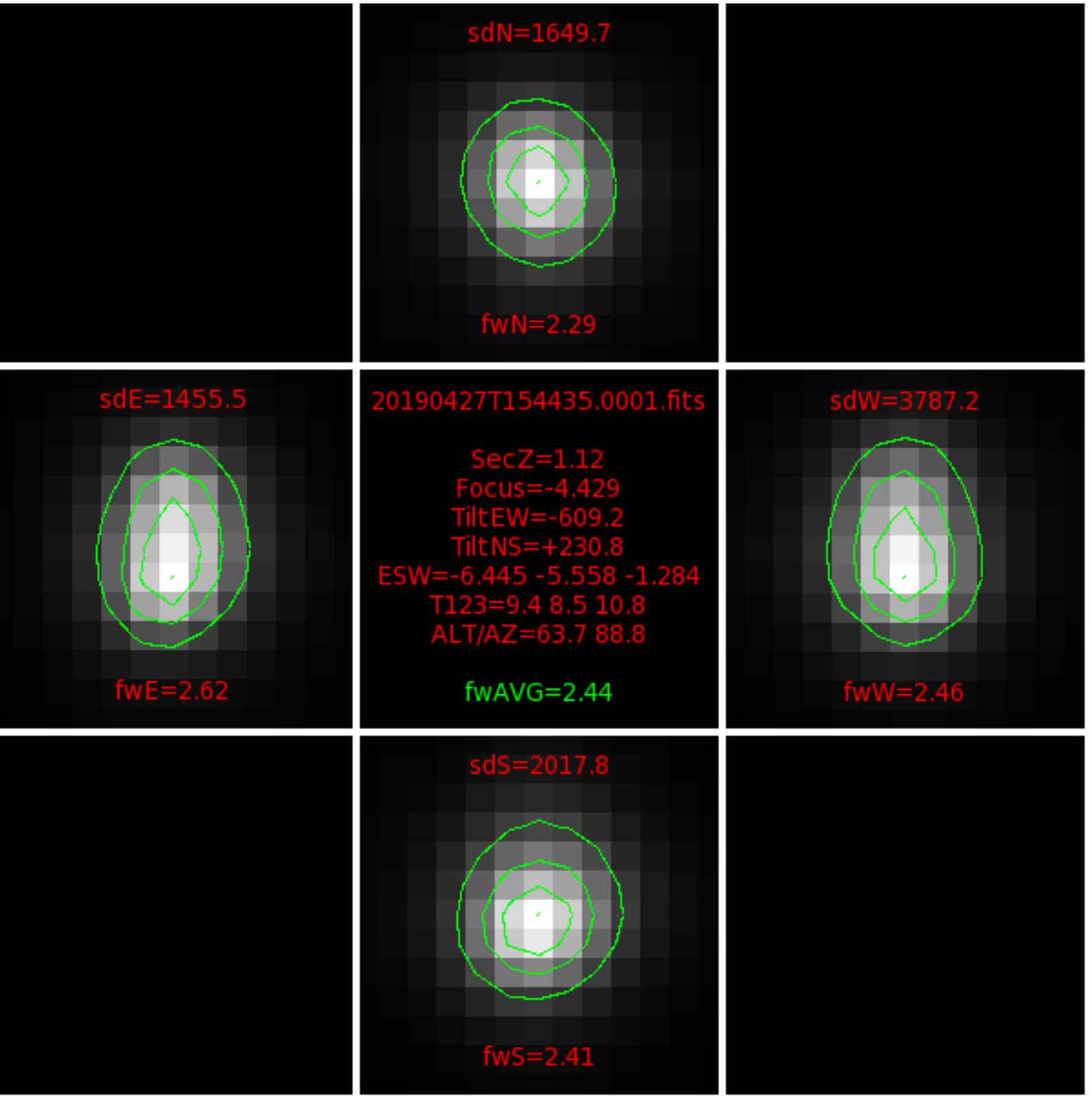
sdN=1649.7
fwN=2.29
sdE=1455.5
fwE=2.62
20190427T154435.0001.fits
SecZ=1.12
Focus=-4.429
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.445 -5.558 -1.284
T123=9.4 8.5 10.8
ALT/AZ=63.7 88.8
fwAVG=2.44
sdW=3787.2
fwW=2.46
sdS=2017.8
fwS=2.41
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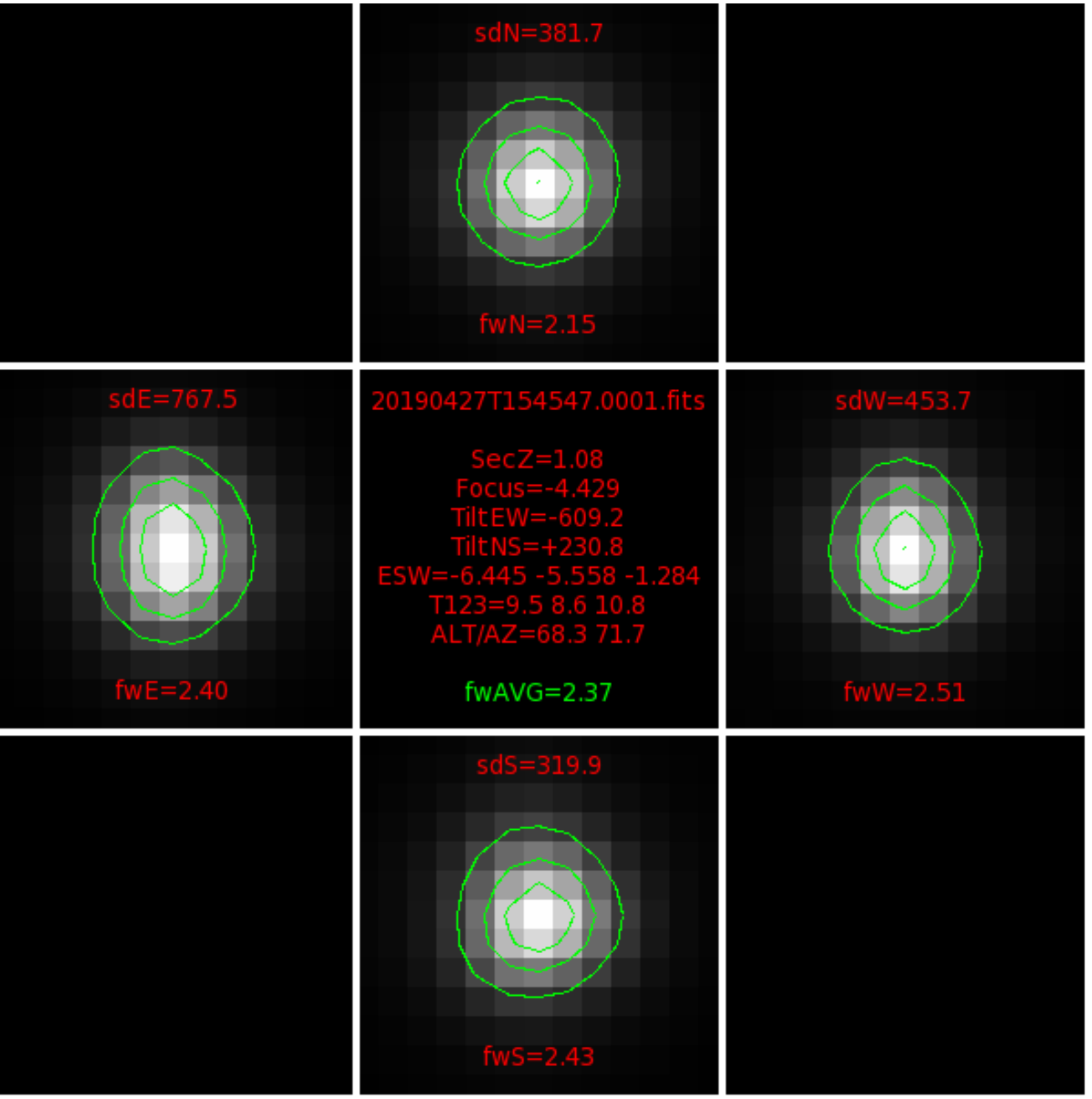
sdN=381.7
fwN=2.15
sdE=767.5
fwE=2.40
20190427T154547.0001.fits
SecZ=1.08
Focus=-4.429
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.445 -5.558 -1.284
T123=9.5 8.6 10.8
ALT/AZ=68.3 71.7
fwAVG=2.37
sdW=453.7
fwW=2.51
sdS=319.9
fwS=2.43
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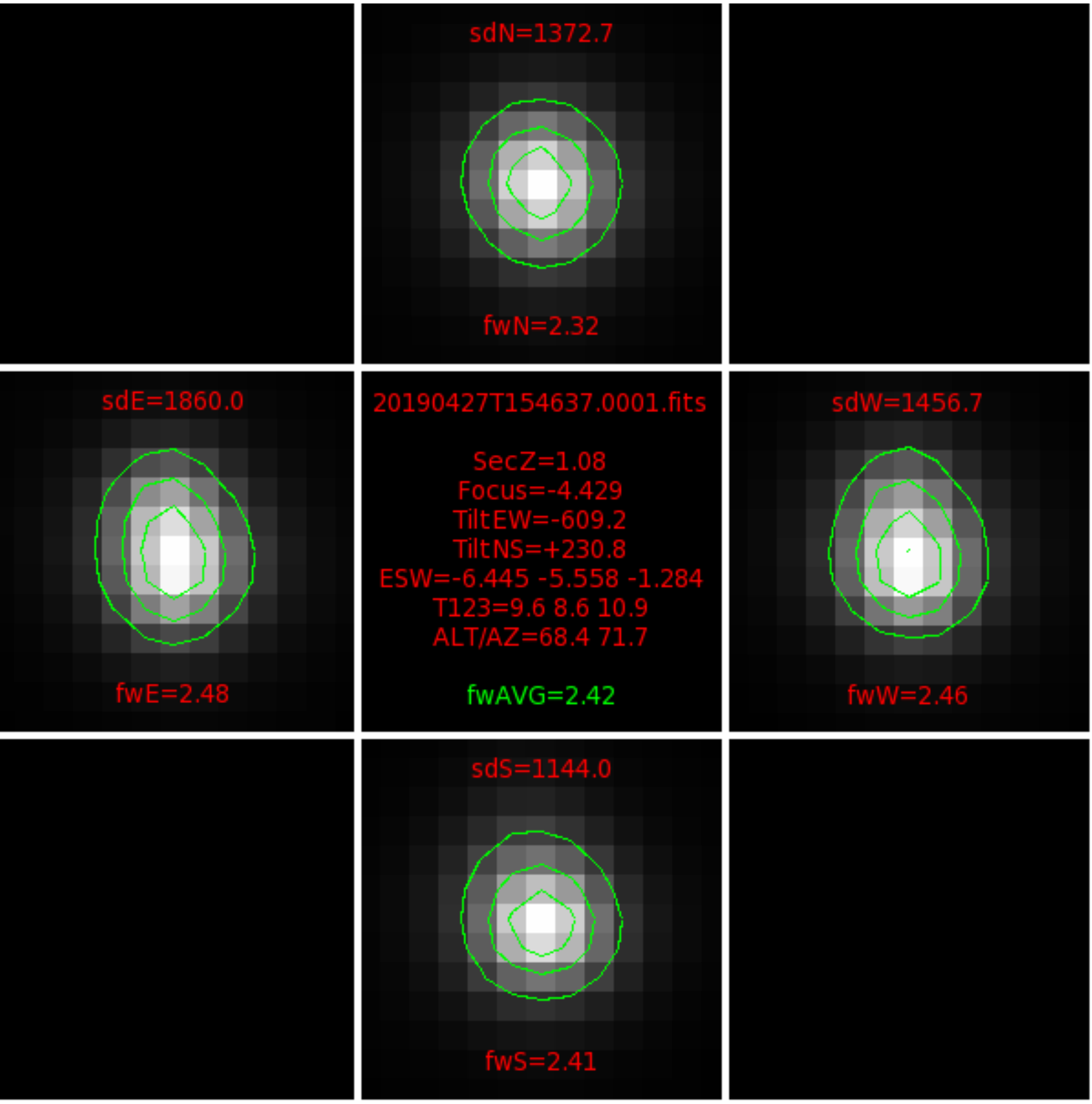
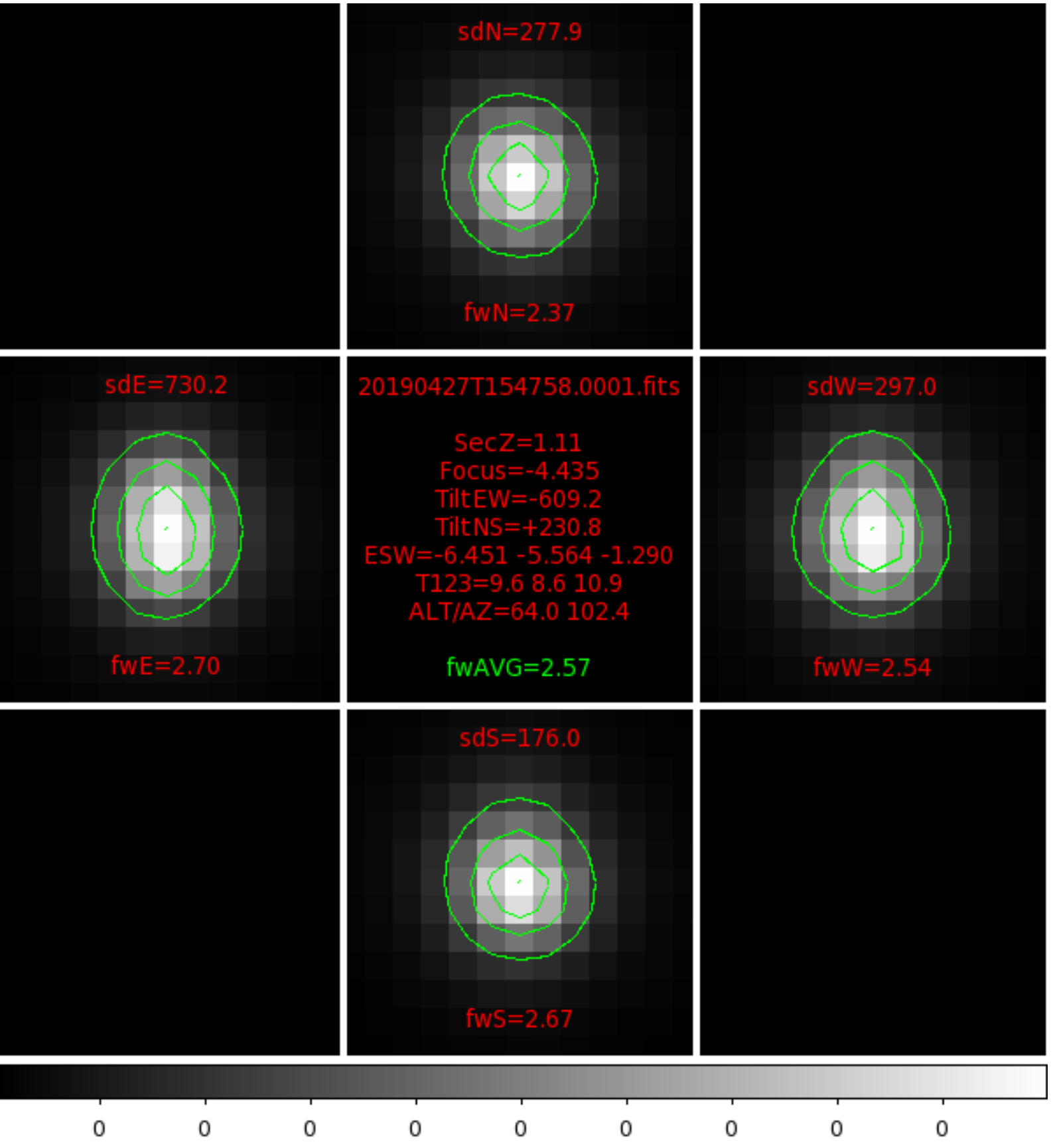
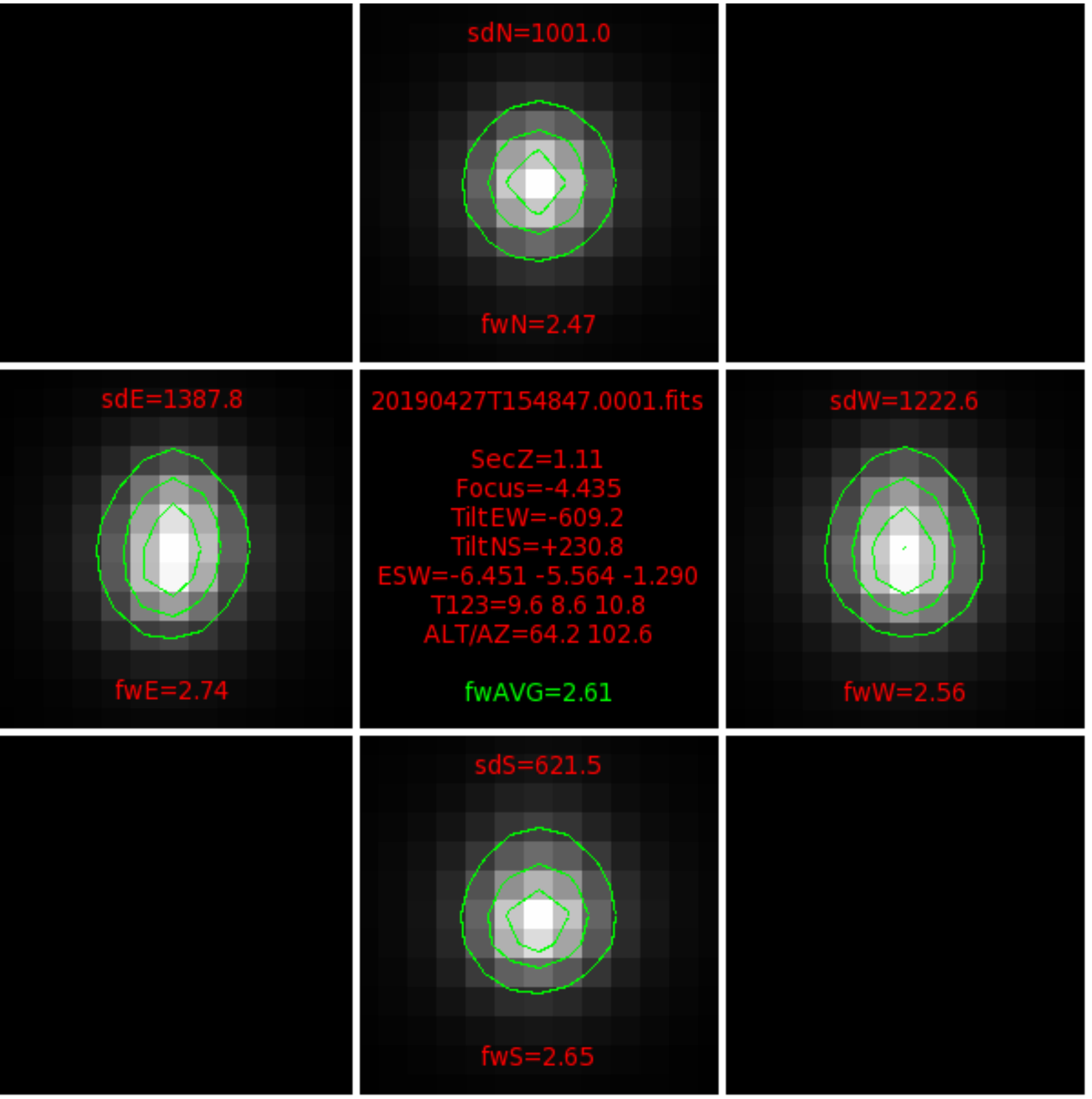

sdN=1372.7
fwN=2.32
sdE=1860.0
fwE=2.48
20190427T154637.0001.fits
SecZ=1.08
Focus=-4.429
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.445 -5.558 -1.284
T123=9.6 8.6 10.9
ALT/AZ=68.4 71.7
fwAVG=2.42
sdW=1456.7
fwW=2.46
sdS=1144.0
fwS=2.41
0 0 0 0 0 0 0 0 0


sdN=277.9
fwN=2.37
sdE=730.2
fwE=2.70
20190427T154758.0001.fits
SecZ=1.11
Focus=-4.435
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.451 -5.564 -1.290
T123=9.6 8.6 10.9
ALT/AZ=64.0 102.4
fwAVG=2.57
sdW=297.0
fwW=2.54
sdS=176.0
fwS=2.67
0 0 0 0 0 0 0 0 0


sdN=1001.0
fwN=2.47
sdE=1387.8
fwE=2.74
20190427T154847.0001.fits
SecZ=1.11
Focus=-4.435
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.451 -5.564 -1.290
T123=9.6 8.6 10.8
ALT/AZ=64.2 102.6
fwAVG=2.61
sdW=1222.6
fwW=2.56
sdS=621.5
fwS=2.65
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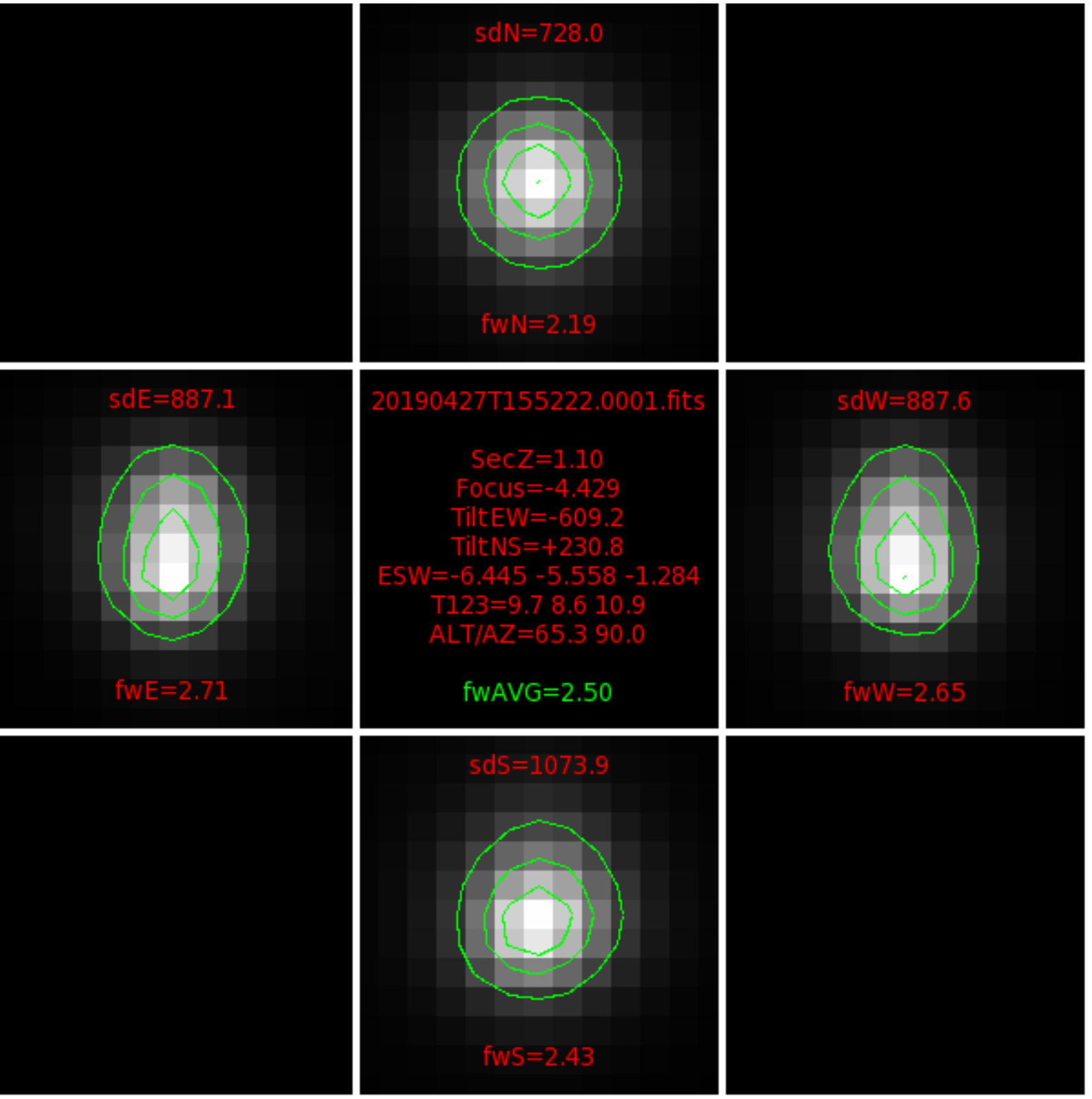
sdN=728.0
fwN=2.19
sdE=887.1
fwE=2.71
20190427T155222.0001.fits
SecZ=1.10
Focus=-4.429
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.445 -5.558 -1.284
T123=9.7 8.6 10.9
ALT/AZ=65.3 90.0
fwAVG=2.50
sdW=887.6
fwW=2.65
sdS=1073.9
fwS=2.43
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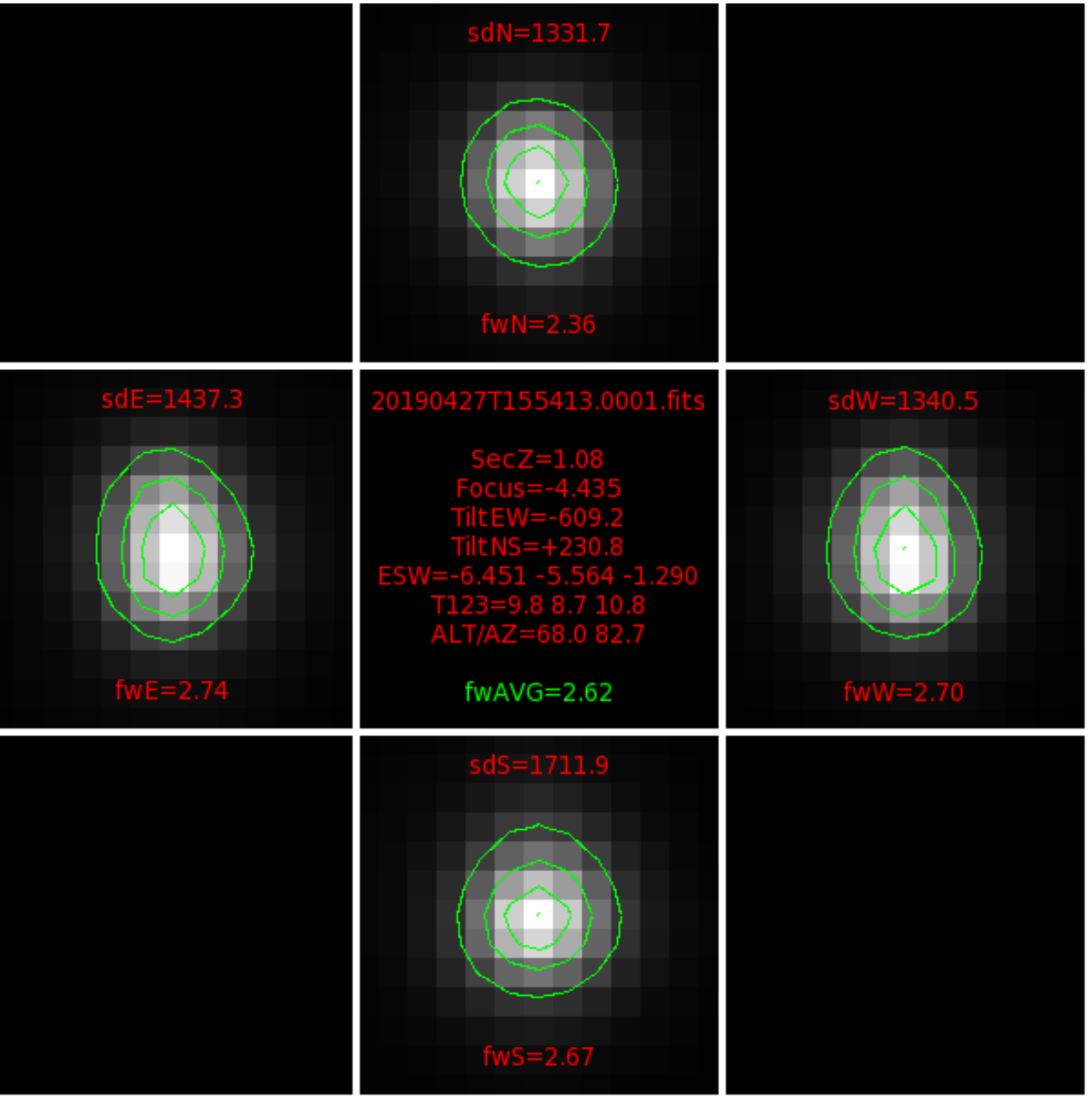
sdN=1331.7
fwN=2.36
sdE=1437.3
fwE=2.74
20190427T155413.0001.fits
SecZ=1.08
Focus=-4.435
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.451 -5.564 -1.290
T123=9.8 8.7 10.8
ALT/AZ=68.0 82.7
fwAVG=2.62
sdW=1340.5
fwW=2.70
sdS=1711.9
fwS=2.67
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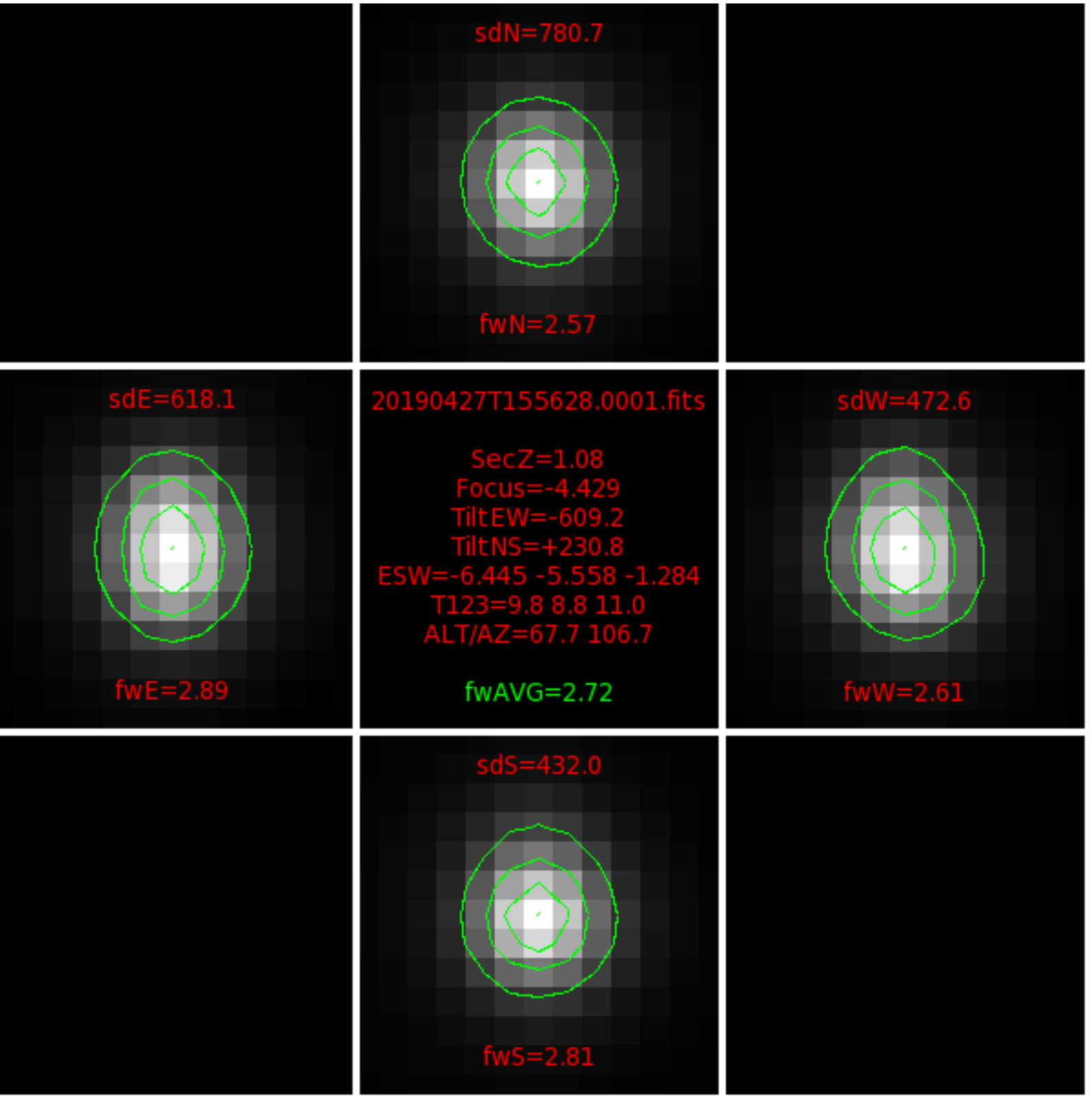
sdN=780.7
fwN=2.57
sdE=618.1
fwE=2.89
20190427T155628.0001.fits
SecZ=1.08
Focus=-4.429
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.445 -5.558 -1.284
T123=9.8 8.8 11.0
ALT/AZ=67.7 106.7
fwAVG=2.72
sdW=472.6
fwW=2.61
sdS=432.0
fwS=2.81
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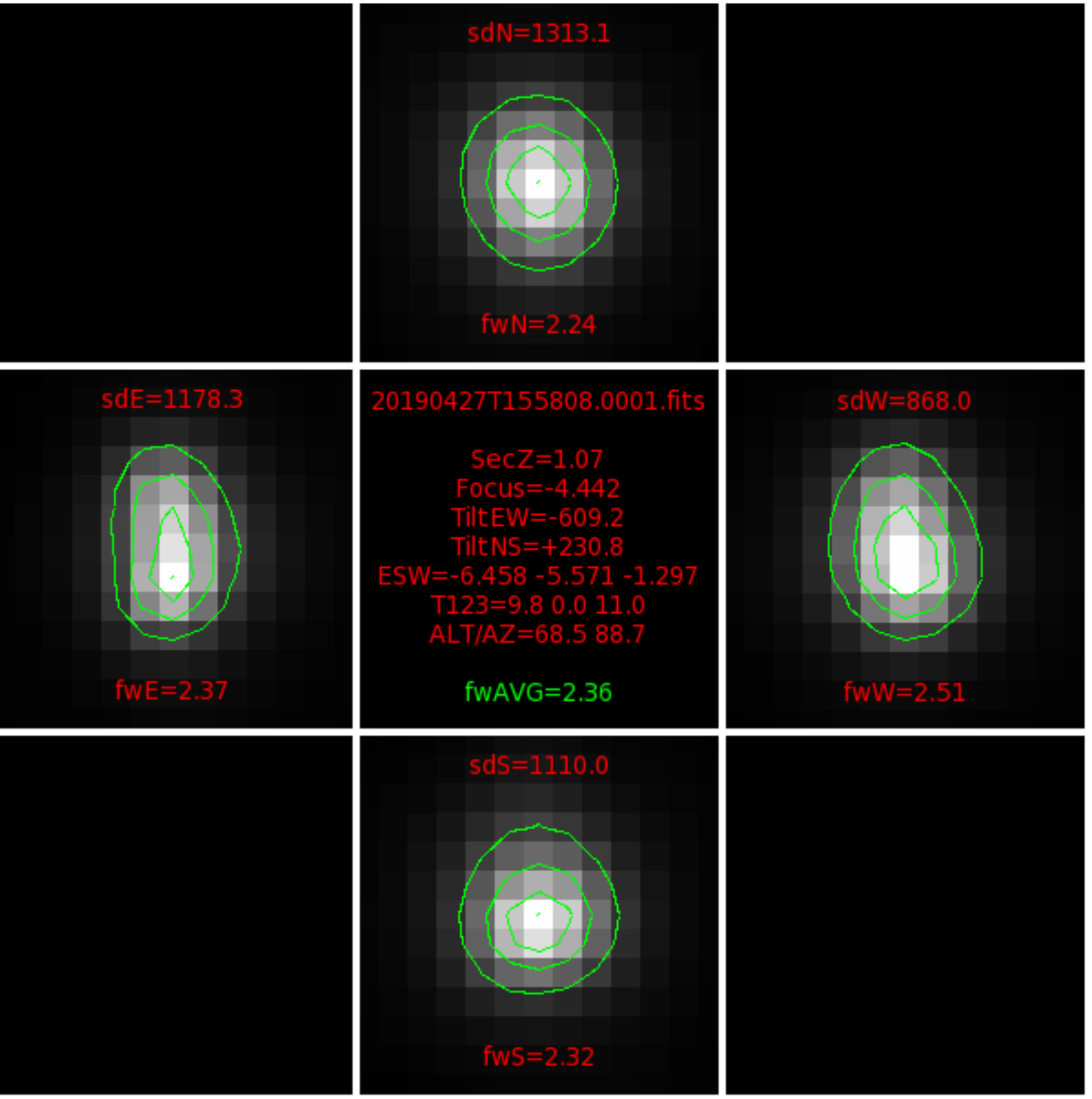
sdN=1313.1
fwN=2.24
sdE=1178.3
fwE=2.37
20190427T155808.0001.fits
SecZ=1.07
Focus=-4.442
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.458 -5.571 -1.297
T123=9.8 0.0 11.0
ALT/AZ=68.5 88.7
fwAVG=2.36
sdW=868.0
fwW=2.51
sdS=1110.0
fwS=2.32
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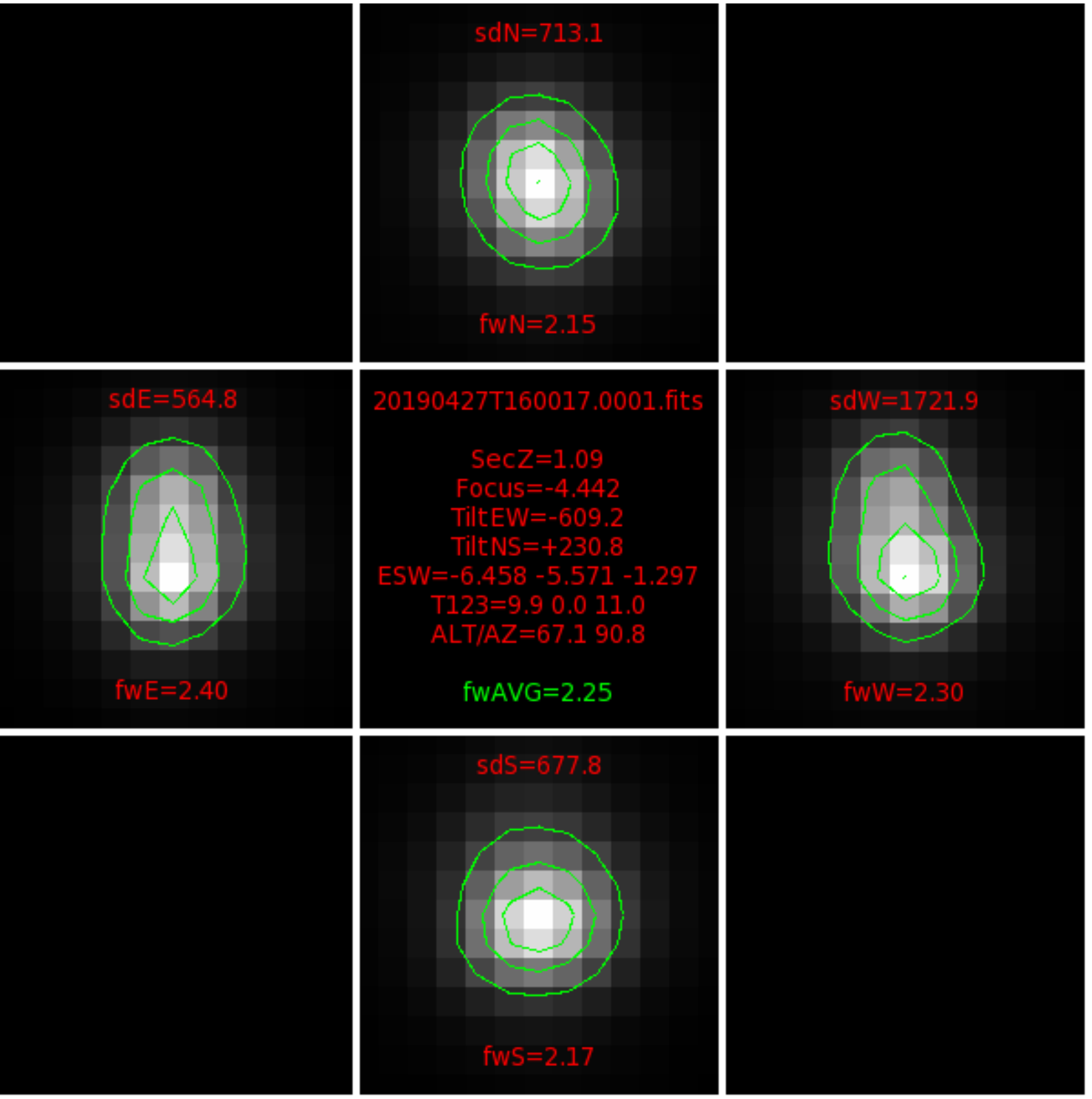
sdN=713.1
fwN=2.15
sdE=564.8
fwE=2.40
20190427T160017.0001.fits
SecZ=1.09
Focus=-4.442
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.458 -5.571 -1.297
T123=9.9 0.0 11.0
ALT/AZ=67.1 90.8
fwAVG=2.25
sdW=1721.9
fwW=2.30
sdS=677.8
fwS=2.17
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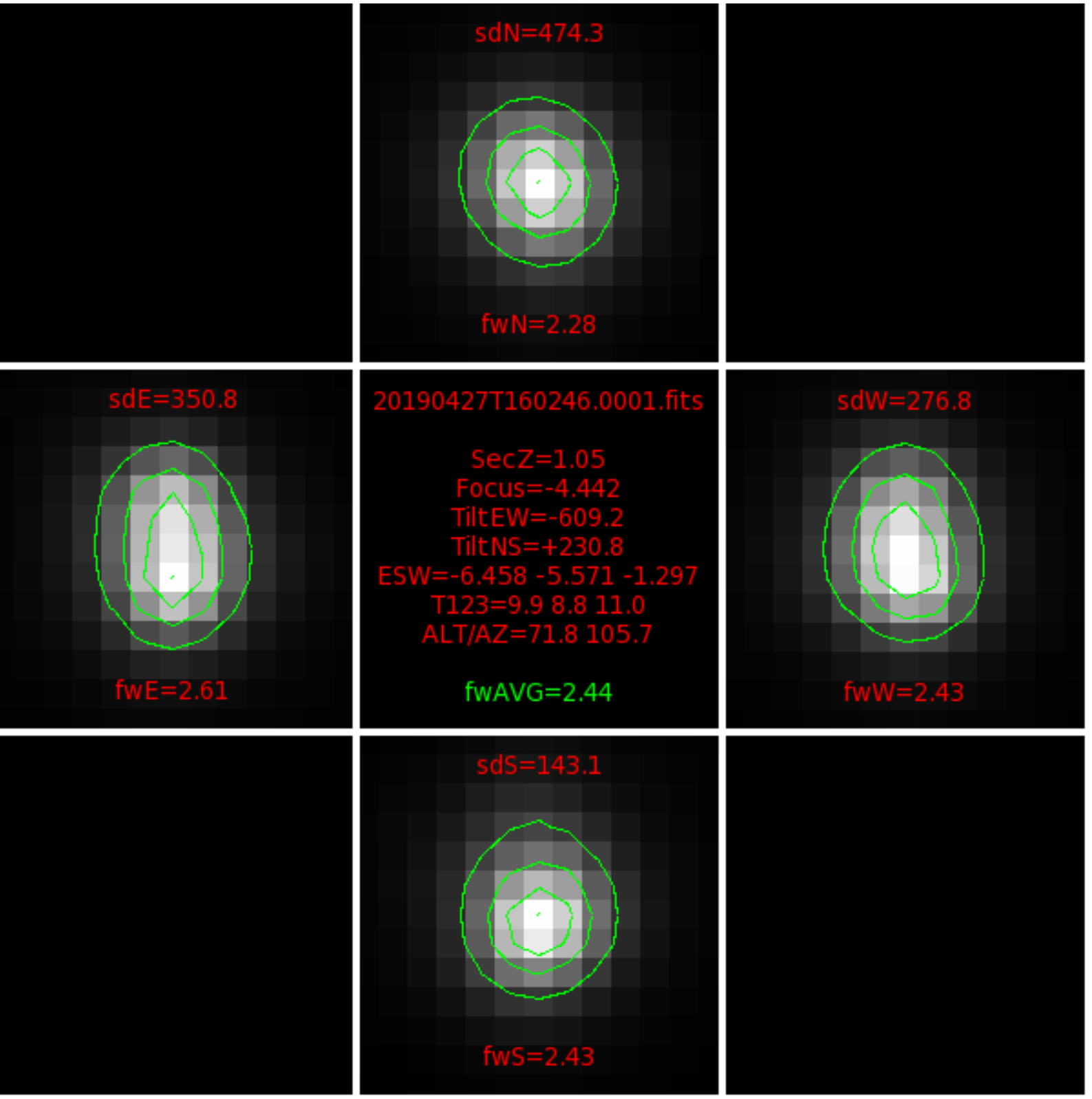
sdN=474.3
fwN=2.28
sdE=350.8
fwE=2.61
20190427T160246.0001.fits
SecZ=1.05
Focus=-4.442
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.458 -5.571 -1.297
T123=9.9 8.8 11.0
ALT/AZ=71.8 105.7
fwAVG=2.44
sdW=276.8
fwW=2.43
sdS=143.1
fwS=2.43
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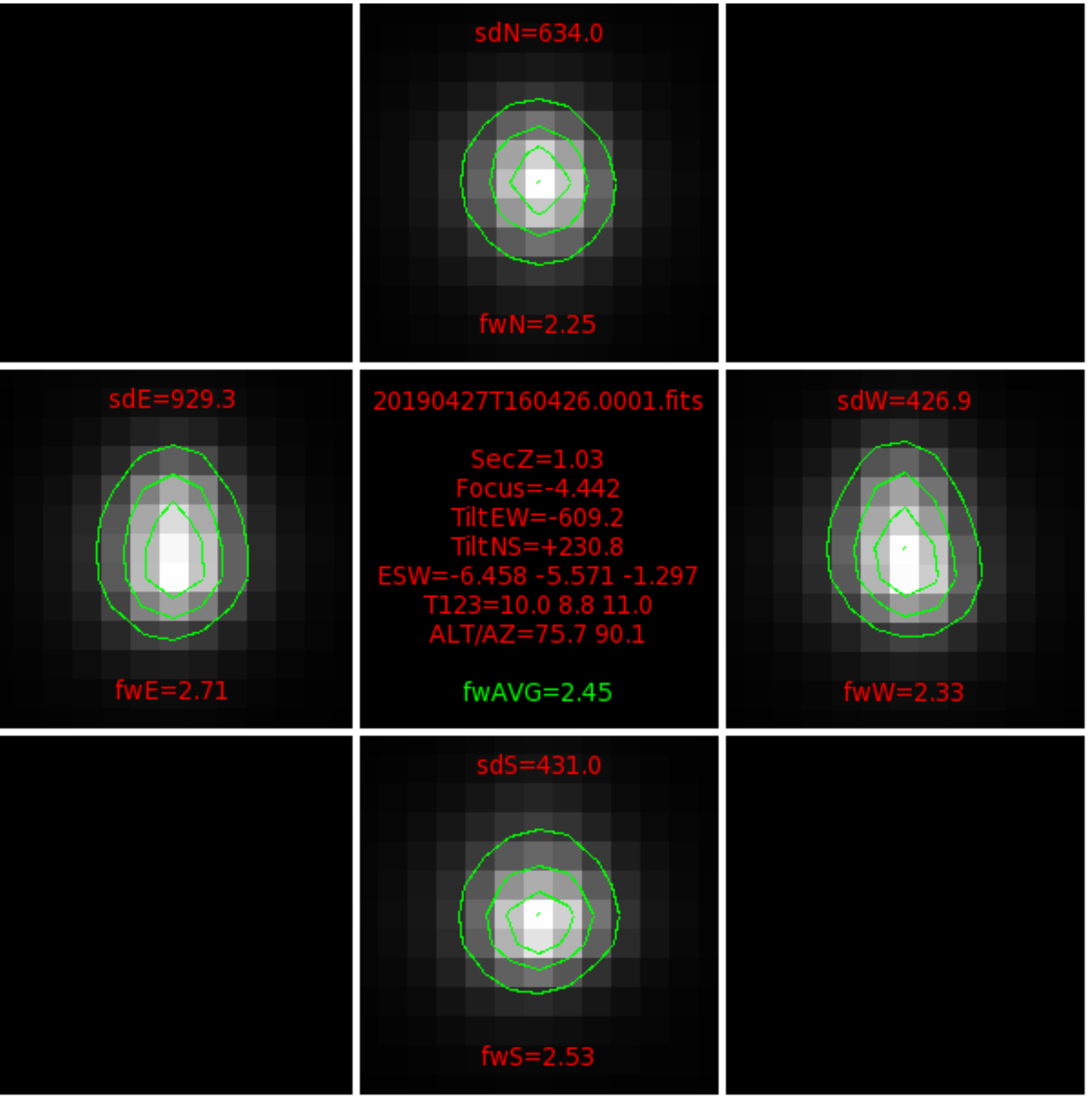
sdN=634.0
fwN=2.25
sdE=929.3
fwE=2.71
20190427T160426.0001.fits
SecZ=1.03
Focus=-4.442
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.458 -5.571 -1.297
T123=10.0 8.8 11.0
ALT/AZ=75.7 90.1
fwAVG=2.45
sdW=426.9
fwW=2.33
sdS=431.0
fwS=2.53
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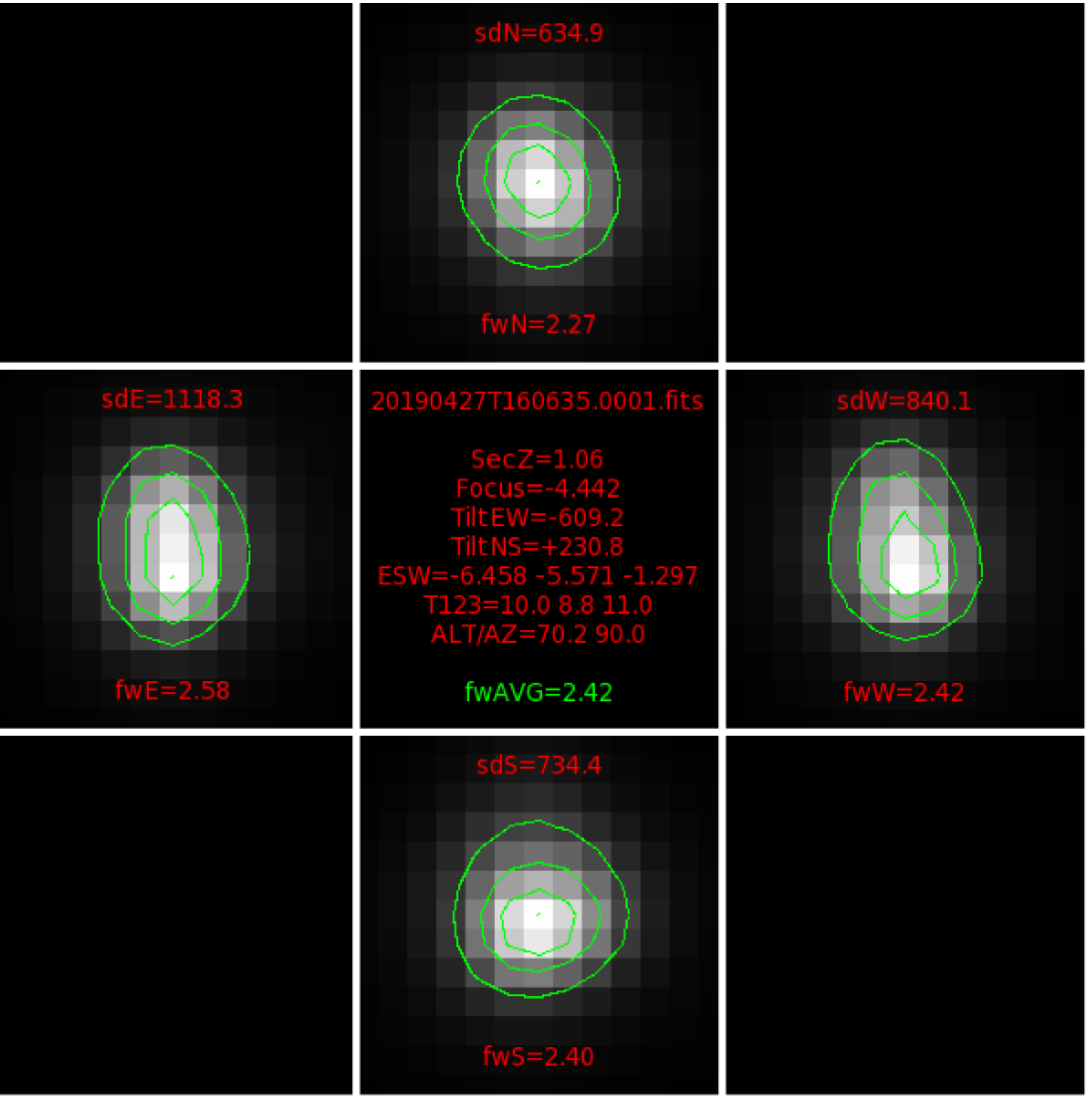
sdN=634.9
fwN=2.27
sdE=1118.3
fwE=2.58
20190427T160635.0001.fits
SecZ=1.06
Focus=-4.442
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.458 -5.571 -1.297
T123=10.0 8.8 11.0
ALT/AZ=70.2 90.0
fwAVG=2.42
sdW=840.1
fwW=2.42
sdS=734.4
fwS=2.40
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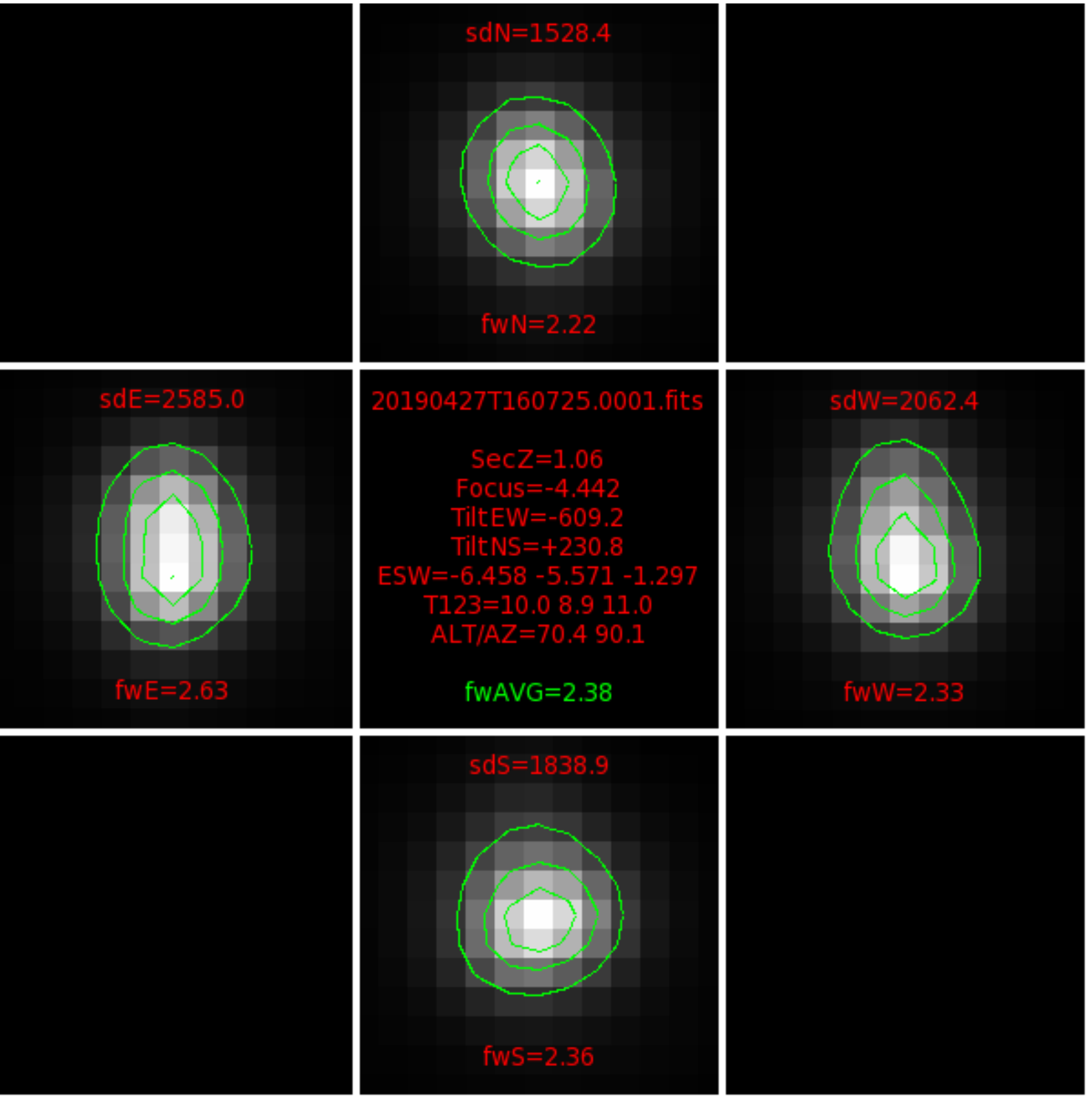
sdN=1528.4
fwN=2.22
sdE=2585.0
fwE=2.63
20190427T160725.0001.fits
SecZ=1.06
Focus=-4.442
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.458 -5.571 -1.297
T123=10.0 8.9 11.0
ALT/AZ=70.4 90.1
fwAVG=2.38
sdW=2062.4
fwW=2.33
sdS=1838.9
fwS=2.36
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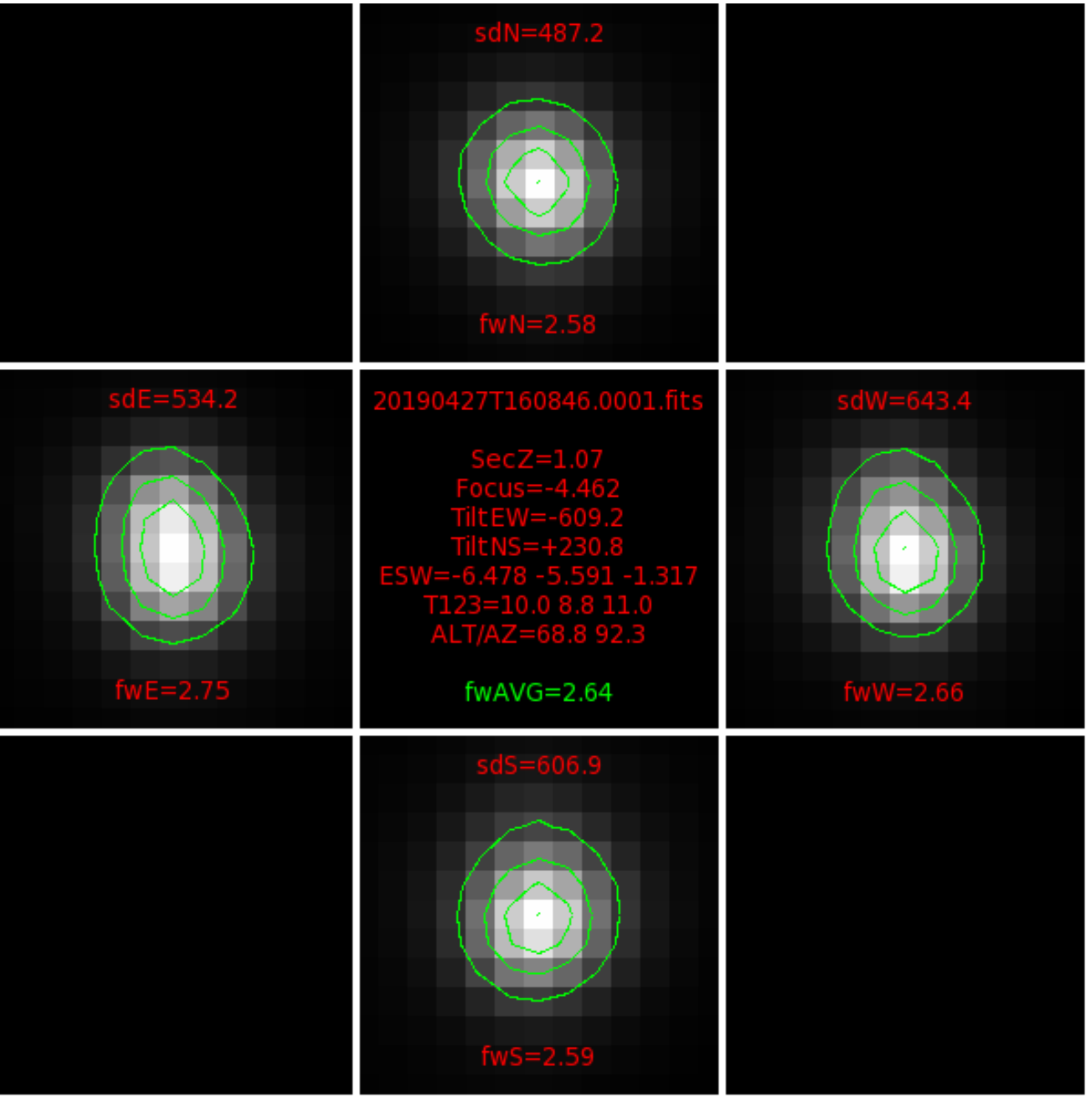
sdN=487.2
fwN=2.58
sdE=534.2
fwE=2.75
20190427T160846.0001.fits
SecZ=1.07
Focus=-4.462
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.478 -5.591 -1.317
T123=10.0 8.8 11.0
ALT/AZ=68.8 92.3
fwAVG=2.64
sdW=643.4
fwW=2.66
sdS=606.9
fwS=2.59
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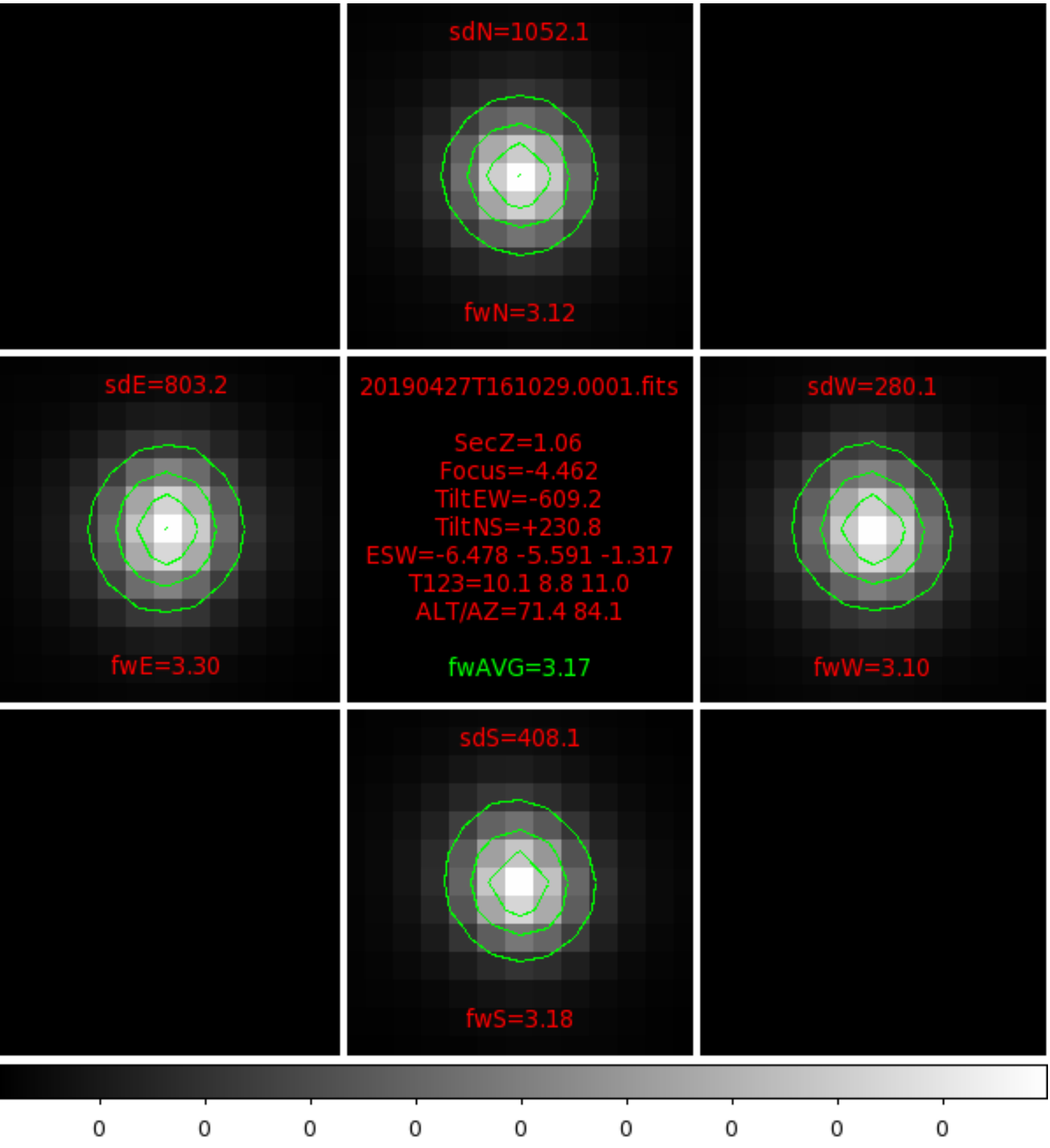
sdN=1052.1
fwN=3.12
sdE=803.2
fwE=3.30
20190427T161029.0001.fits
SecZ=1.06
Focus=-4.462
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.478 -5.591 -1.317
T123=10.1 8.8 11.0
ALT/AZ=71.4 84.1
fwAVG=3.17
sdW=280.1
fwW=3.10
sdS=408.1
fwS=3.18
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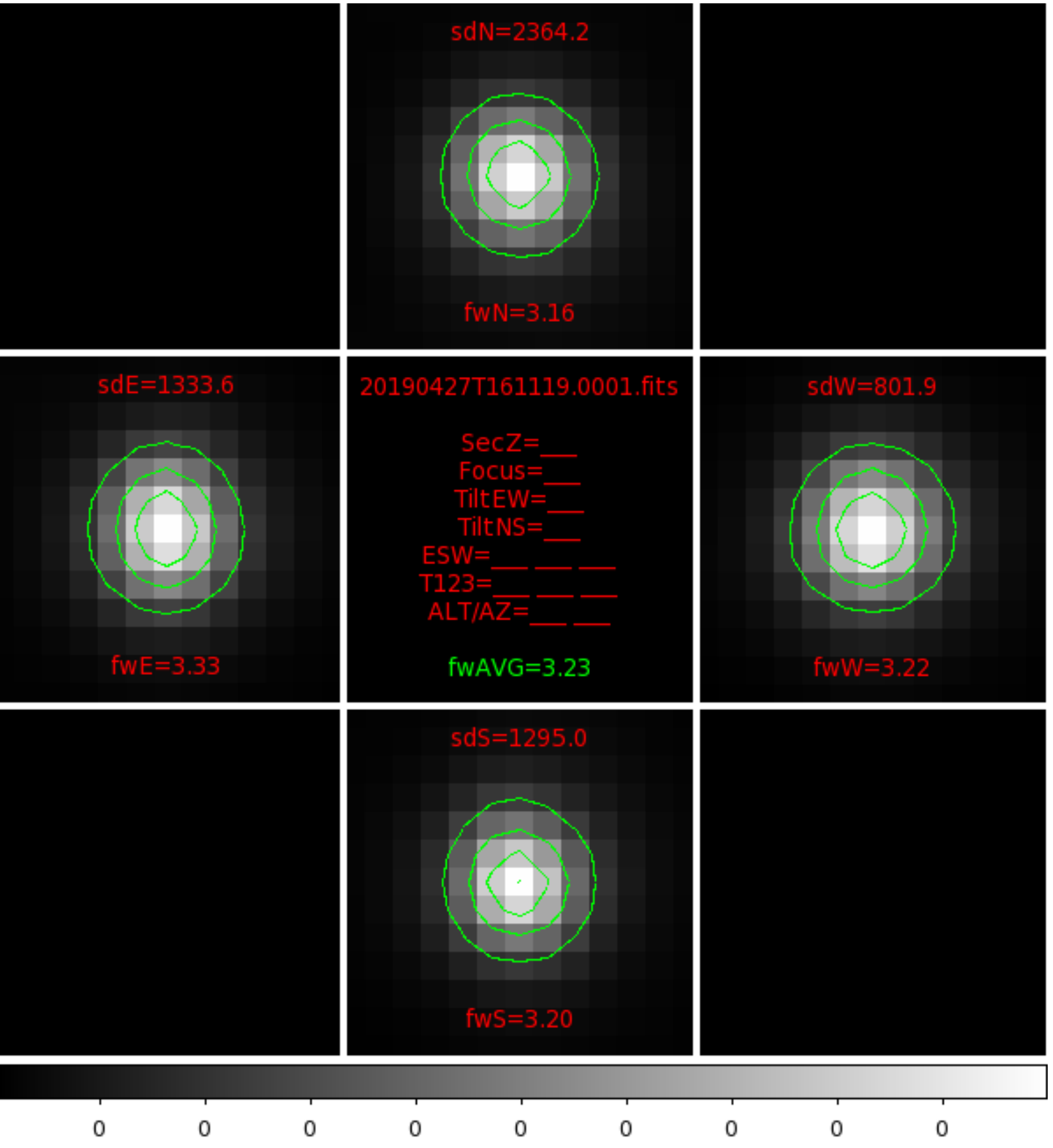
sdN=2364.2
fwN=3.16
sdE=1333.6
fwE=3.33
20190427T161119.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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sdW=801.9
fwW=3.22
sdS=1295.0
fwS=3.20
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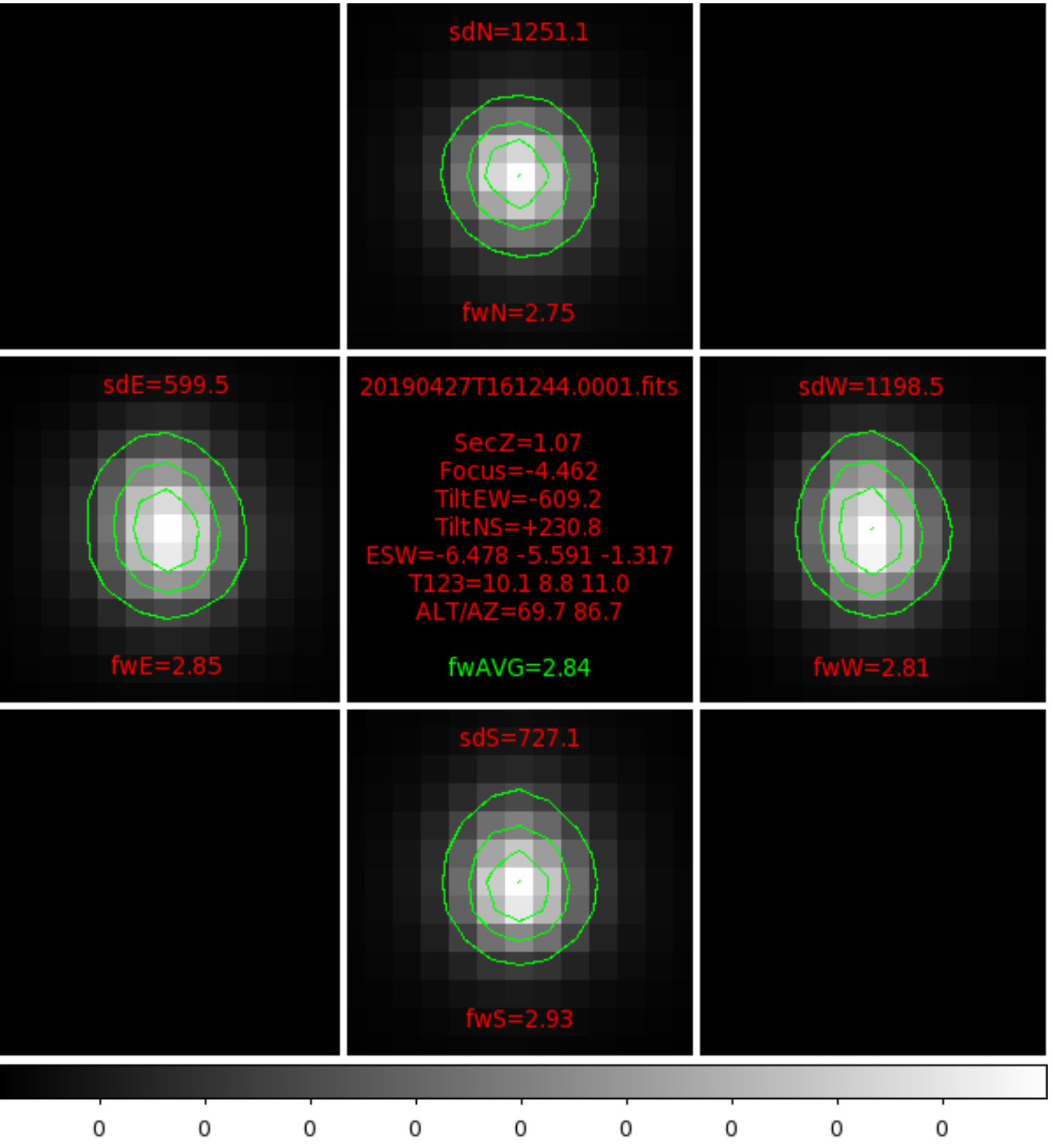
sdN=1251.1
fwN=2.75
sdE=599.5
fwE=2.85
20190427T161244.0001.fits
SecZ=1.07
Focus=-4.462
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.478 -5.591 -1.317
T123=10.1 8.8 11.0
ALT/AZ=69.7 86.7
fwAVG=2.84
sdW=1198.5
fwW=2.81
sdS=727.1
fwS=2.93
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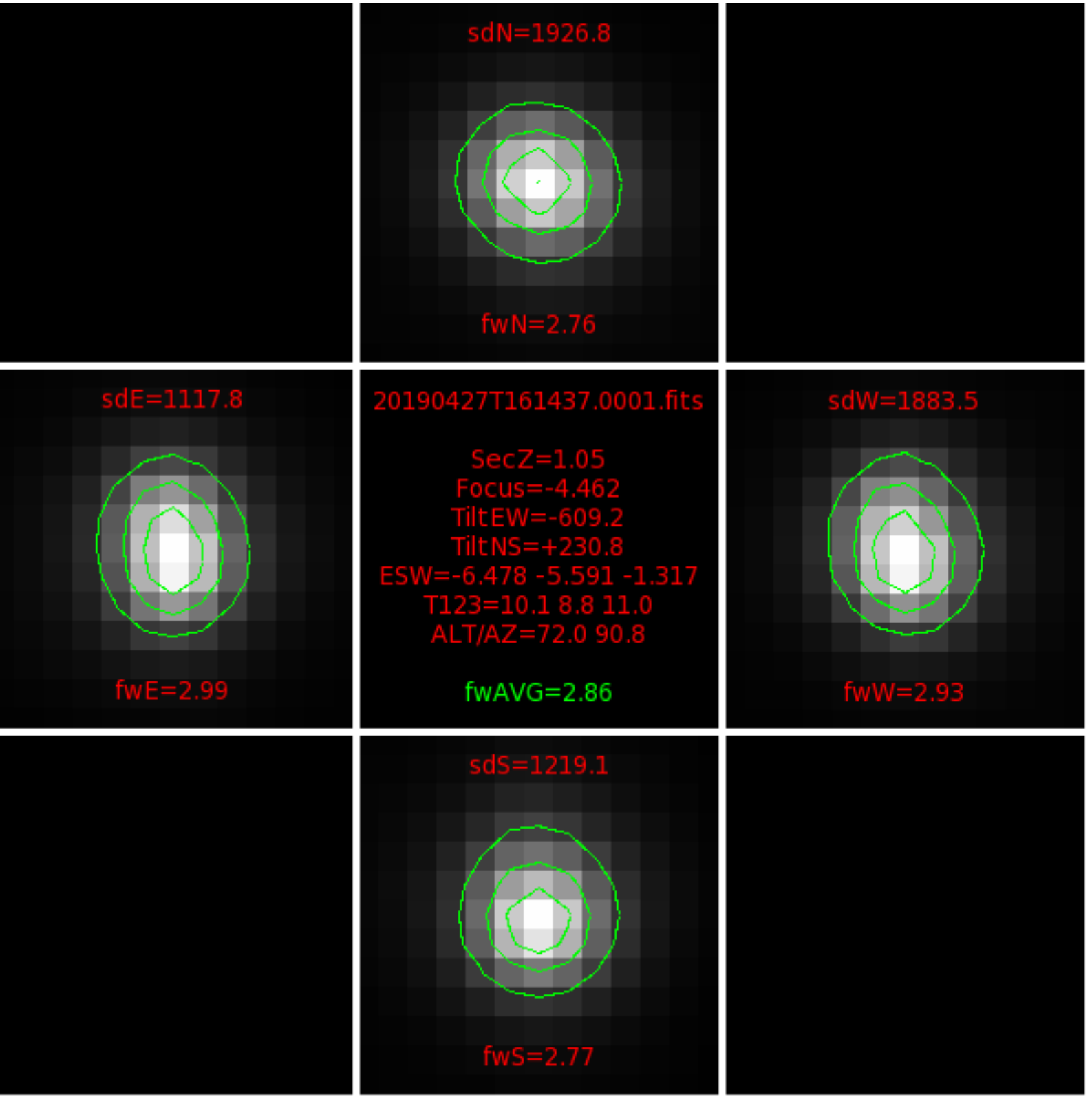
sdN=1926.8
fwN=2.76
sdE=1117.8
fwE=2.99
20190427T161437.0001.fits
SecZ=1.05
Focus=-4.462
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.478 -5.591 -1.317
T123=10.1 8.8 11.0
ALT/AZ=72.0 90.8
fwAVG=2.86
sdW=1883.5
fwW=2.93
sdS=1219.1
fwS=2.77
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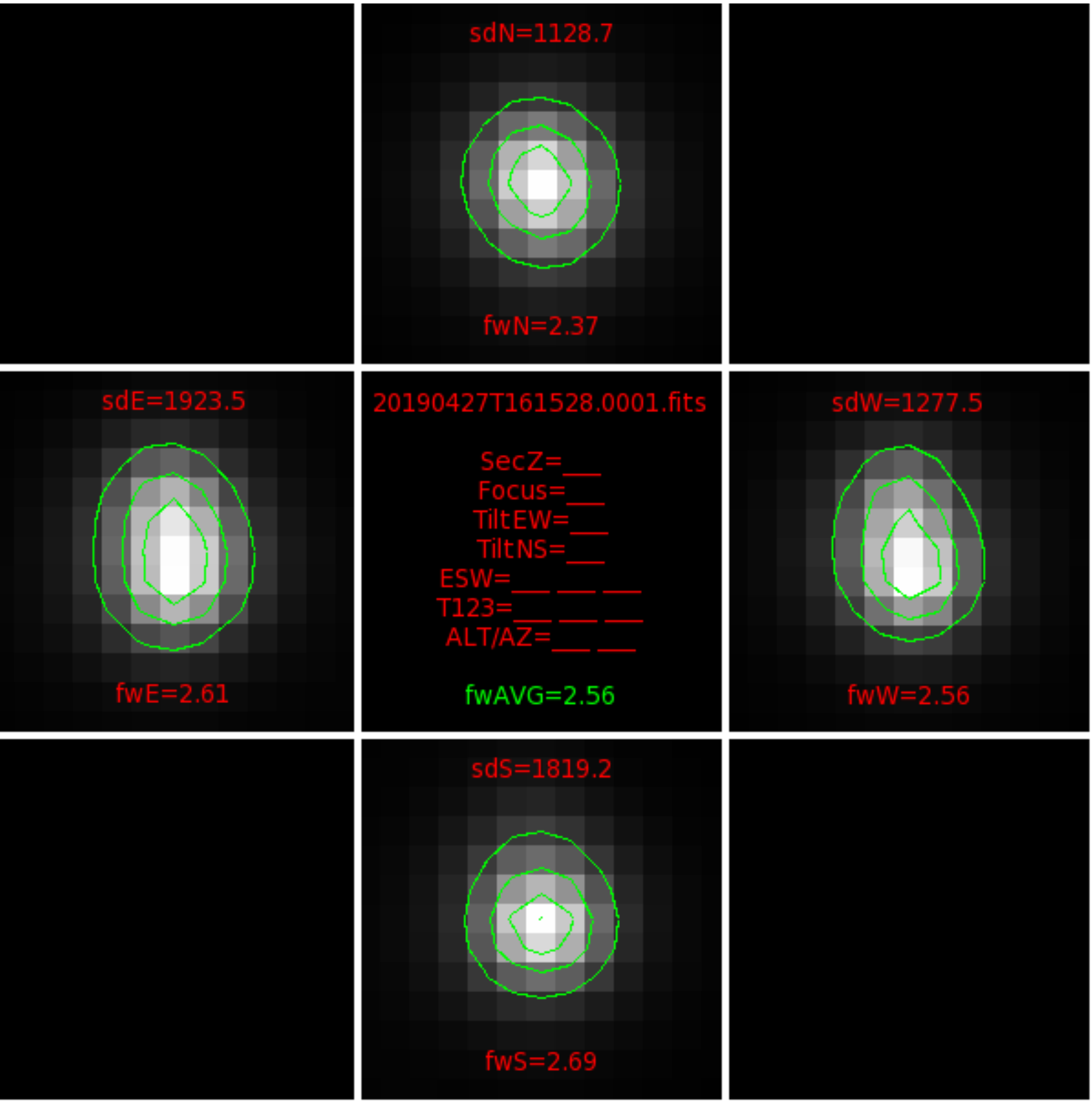
sdN=1128.7
fwN=2.37
sdE=1923.5
fwE=2.61
20190427T161528.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.56
sdW=1277.5
fwW=2.56
sdS=1819.2
fwS=2.69
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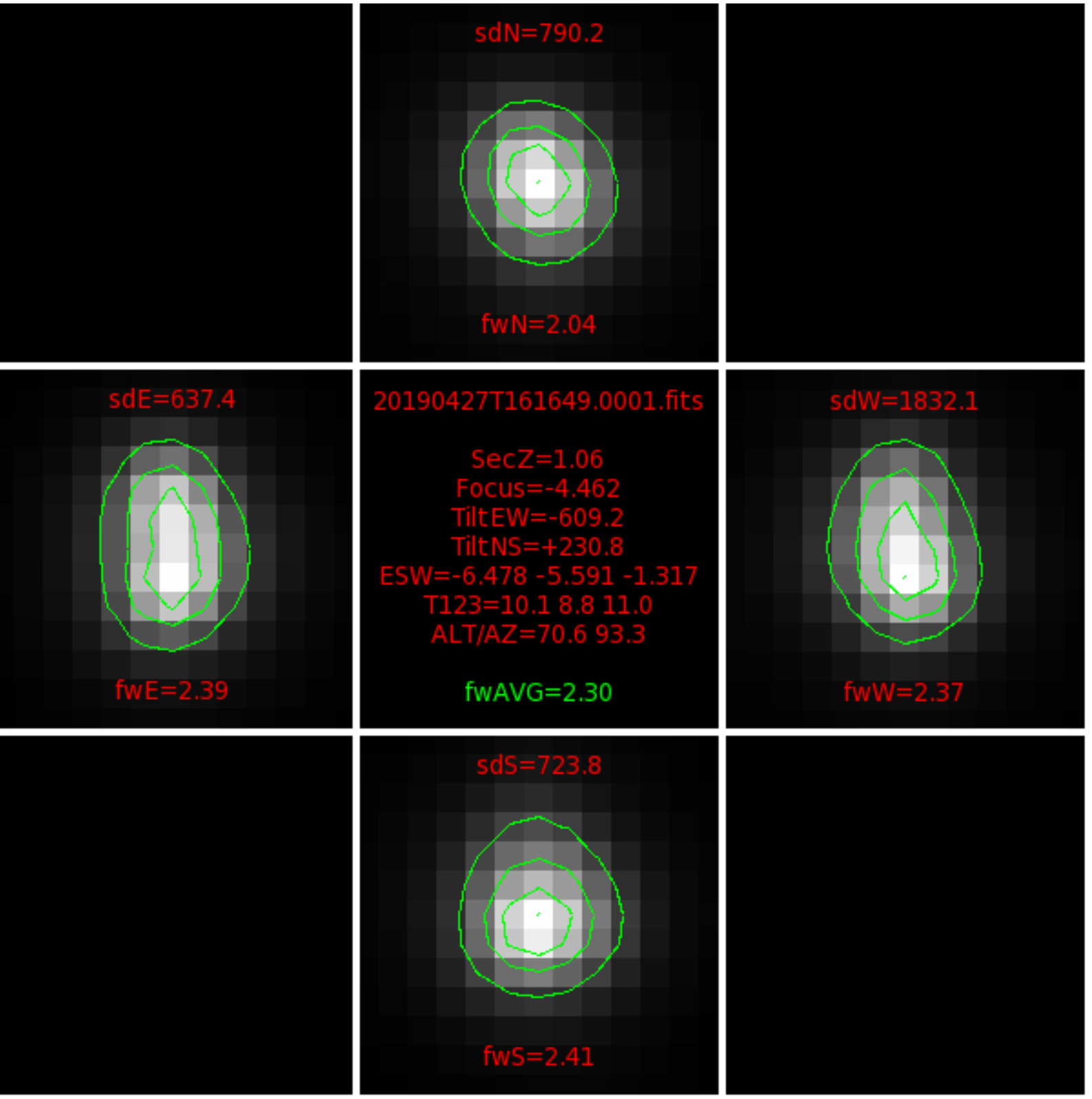
sdN=790.2
fwN=2.04
sdE=637.4
fwE=2.39
20190427T161649.0001.fits
SecZ=1.06
Focus=-4.462
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.478 -5.591 -1.317
T123=10.1 8.8 11.0
ALT/AZ=70.6 93.3
fwAVG=2.30
sdW=1832.1
fwW=2.37
sdS=723.8
fwS=2.41
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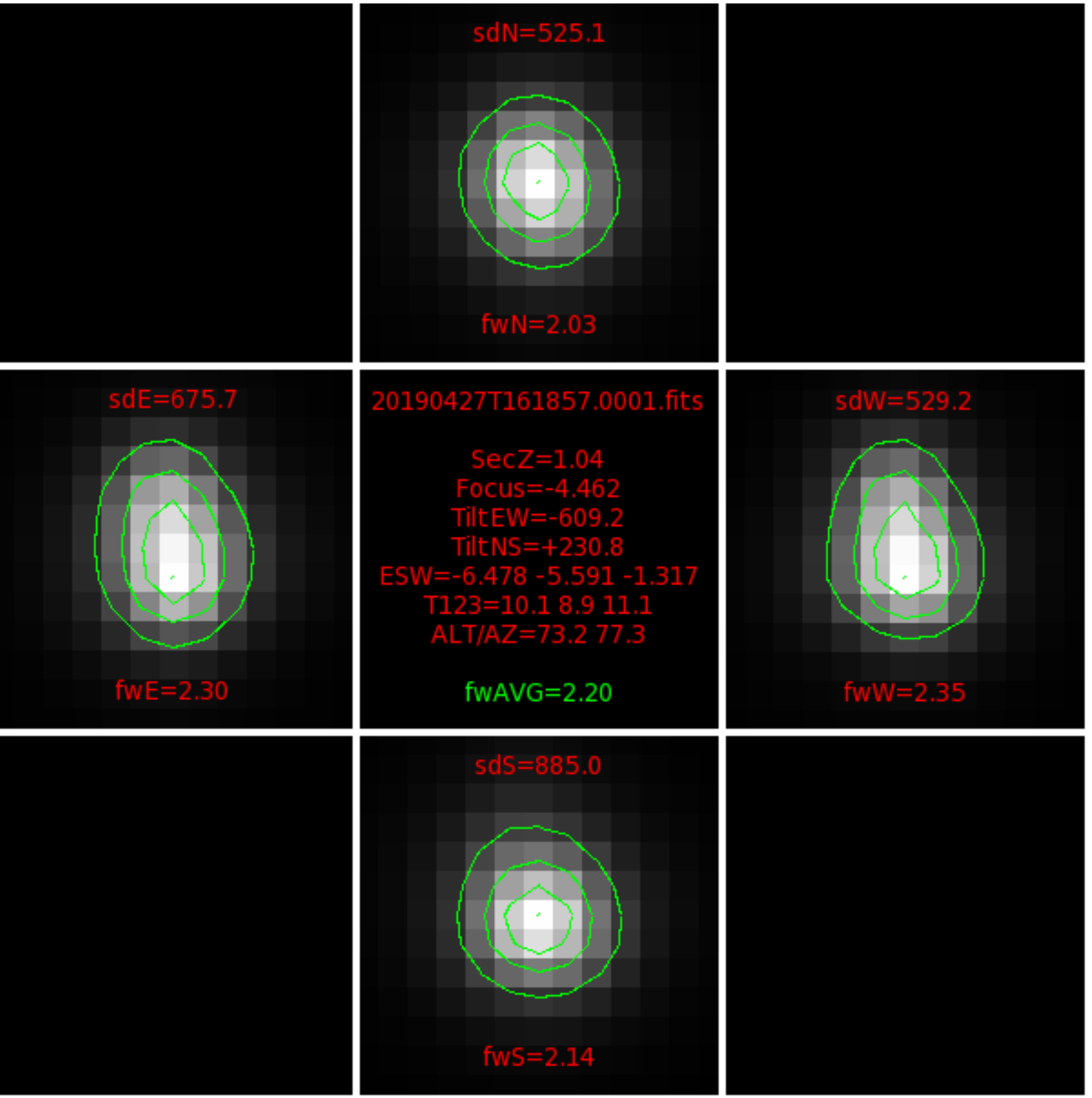
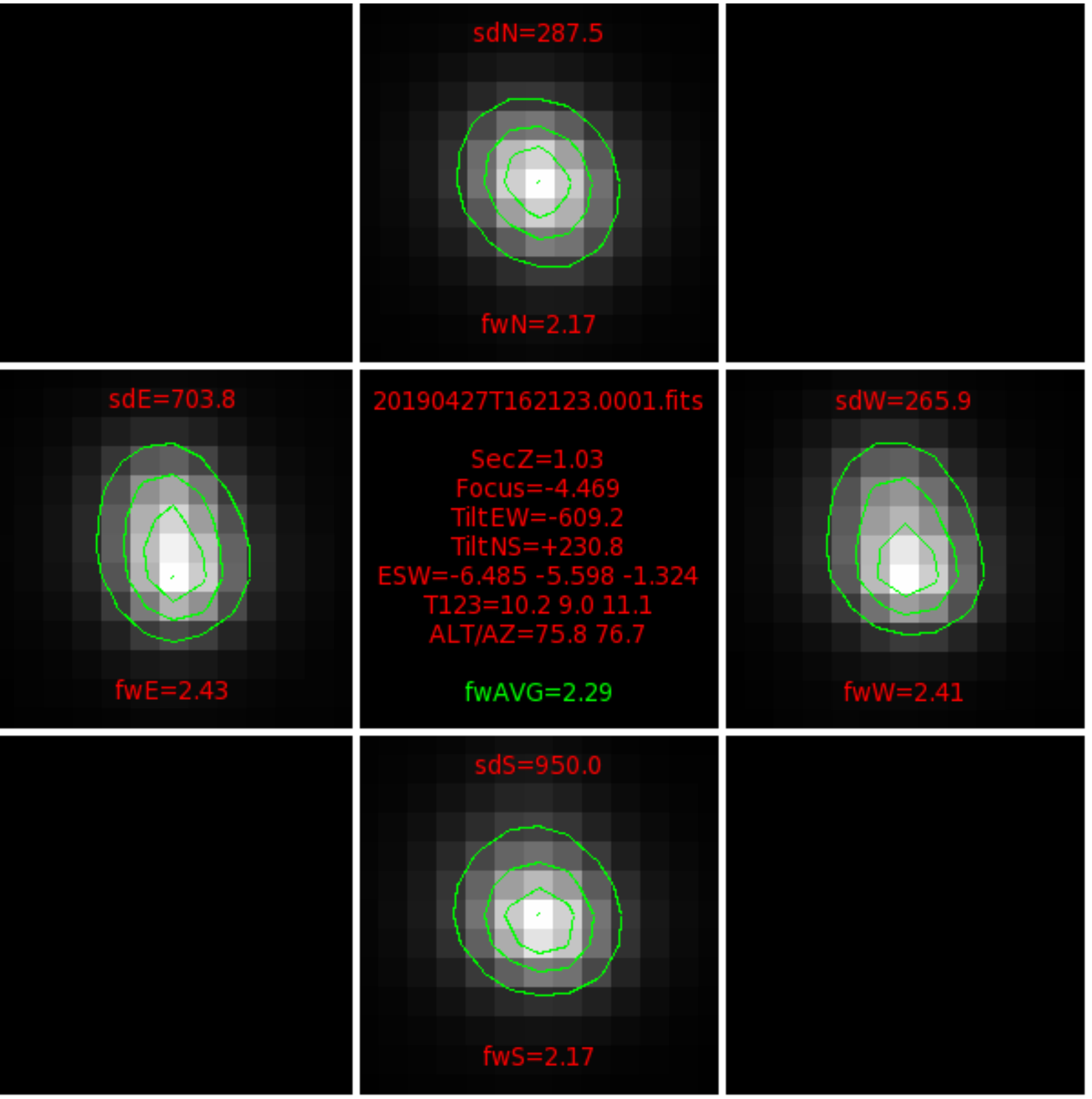
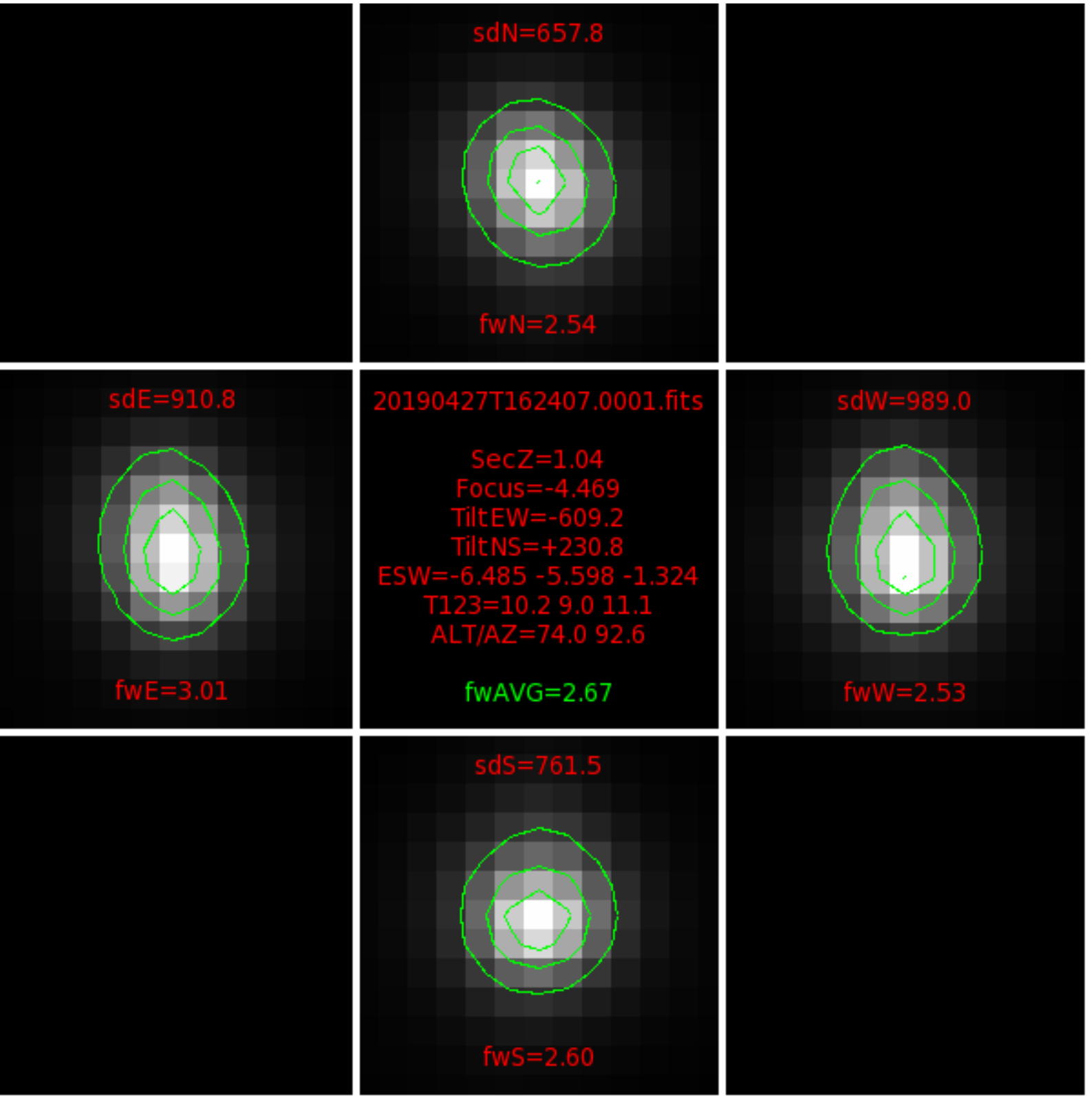

sdN=525.1
fwN=2.03
sdE=675.7
fwE=2.30
20190427T161857.0001.fits
SecZ=1.04
Focus=-4.462
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.478 -5.591 -1.317
T123=10.1 8.9 11.1
ALT/AZ=73.2 77.3
fwAVG=2.20
sdW=529.2
fwW=2.35
sdS=885.0
fwS=2.14
0 0 0 0 0 0 0 0 0


sdN=287.5
fwN=2.17
sdE=703.8
fwE=2.43
20190427T162123.0001.fits
SecZ=1.03
Focus=-4.469
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.485 -5.598 -1.324
T123=10.2 9.0 11.1
ALT/AZ=75.8 76.7
fwAVG=2.29
sdW=265.9
fwW=2.41
sdS=950.0
fwS=2.17
0 0 0 0 0 0 0 0 0


sdN=657.8
fwN=2.54
sdE=910.8
fwE=3.01
20190427T162407.0001.fits
SecZ=1.04
Focus=-4.469
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.485 -5.598 -1.324
T123=10.2 9.0 11.1
ALT/AZ=74.0 92.6
fwAVG=2.67
sdW=989.0
fwW=2.53
sdS=761.5
fwS=2.60
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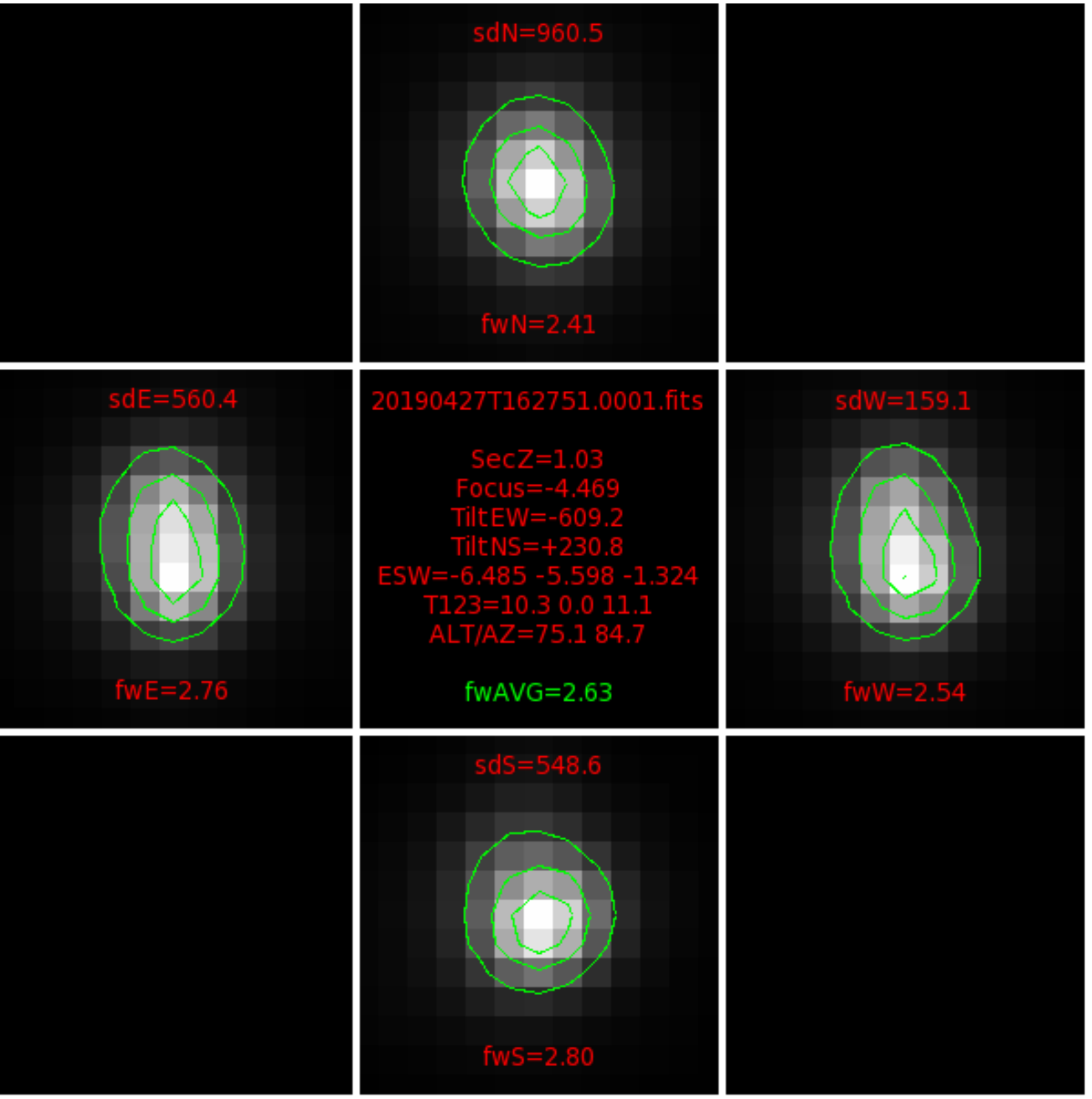
sdN=960.5
fwN=2.41
sdE=560.4
fwE=2.76
20190427T162751.0001.fits
SecZ=1.03
Focus=-4.469
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.485 -5.598 -1.324
T123=10.3 0.0 11.1
ALT/AZ=75.1 84.7
fwAVG=2.63
sdW=159.1
fwW=2.54
sdS=548.6
fwS=2.80
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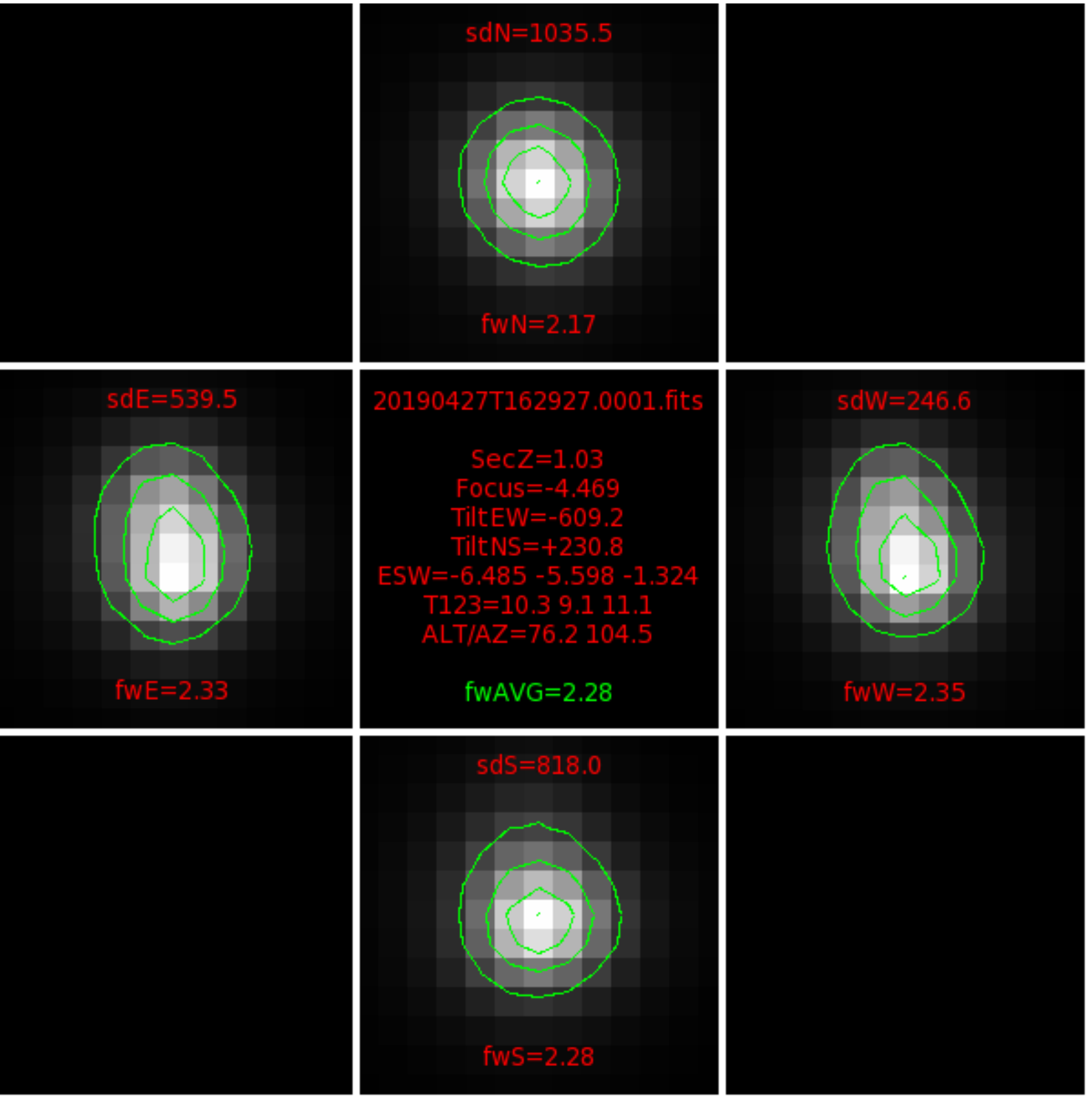
sdN=1035.5
fwN=2.17
sdE=539.5
fwE=2.33
20190427T162927.0001.fits
SecZ=1.03
Focus=-4.469
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.485 -5.598 -1.324
T123=10.3 9.1 11.1
ALT/AZ=76.2 104.5
fwAVG=2.28
sdW=246.6
fwW=2.35
sdS=818.0
fwS=2.28
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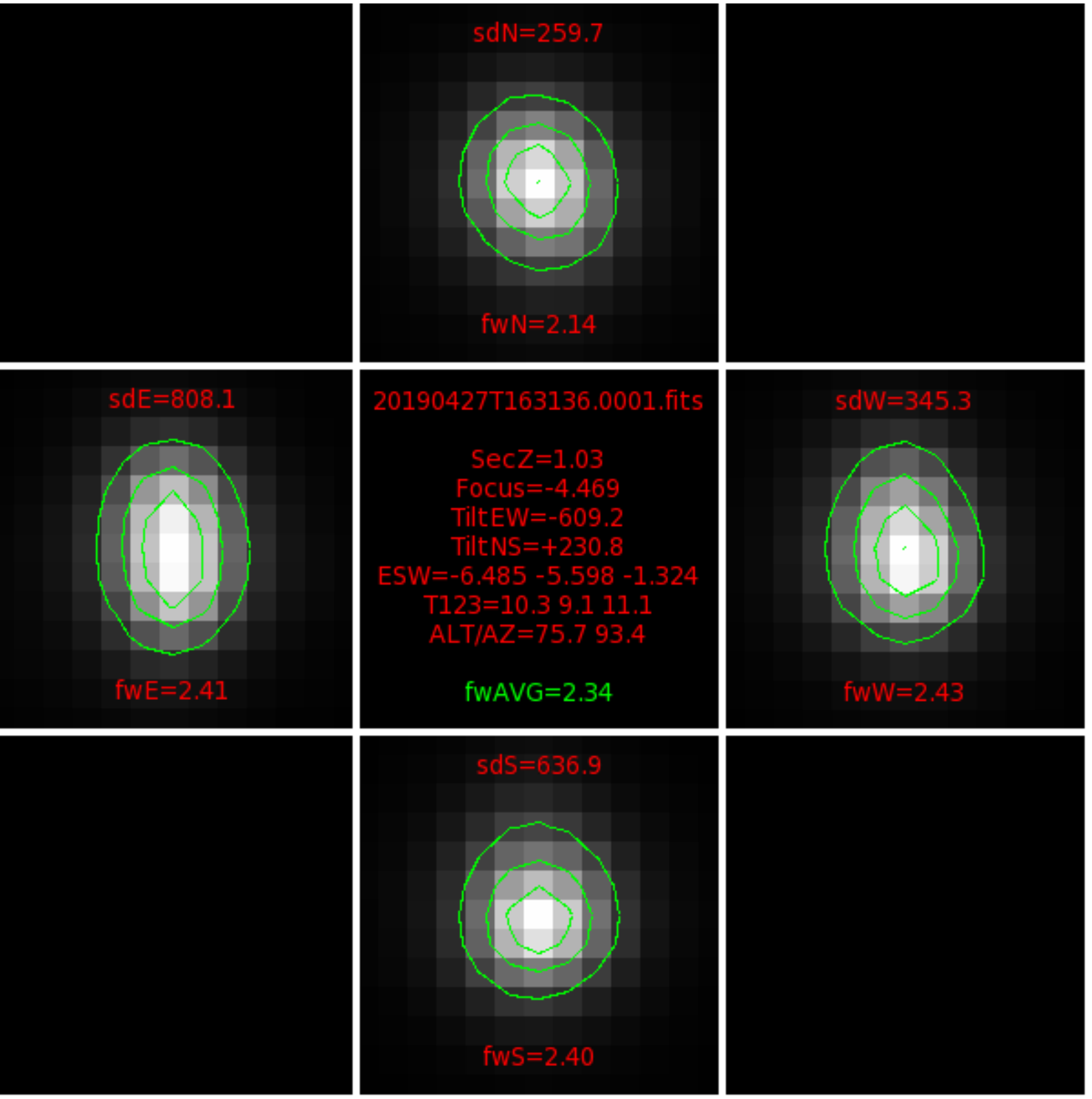
sdN=259.7
fwN=2.14
sdE=808.1
fwE=2.41
20190427T163136.0001.fits
SecZ=1.03
Focus=-4.469
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.485 -5.598 -1.324
T123=10.3 9.1 11.1
ALT/AZ=75.7 93.4
fwAVG=2.34
sdW=345.3
fwW=2.43
sdS=636.9
fwS=2.40
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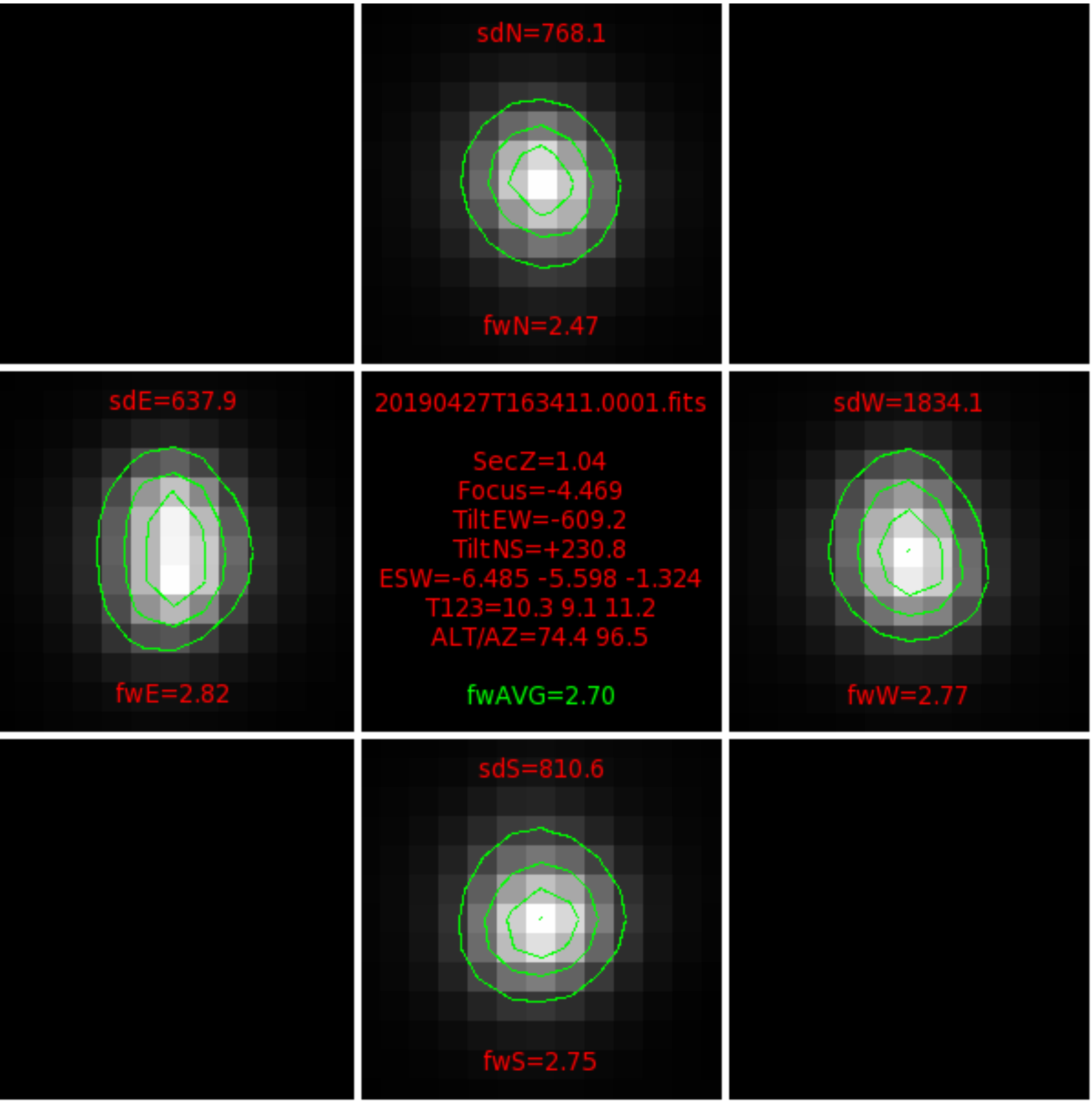
sdN=768.1
fwN=2.47
sdE=637.9
fwE=2.82
20190427T163411.0001.fits
SecZ=1.04
Focus=-4.469
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.485 -5.598 -1.324
T123=10.3 9.1 11.2
ALT/AZ=74.4 96.5
fwAVG=2.70
sdW=1834.1
fwW=2.77
sdS=810.6
fwS=2.75
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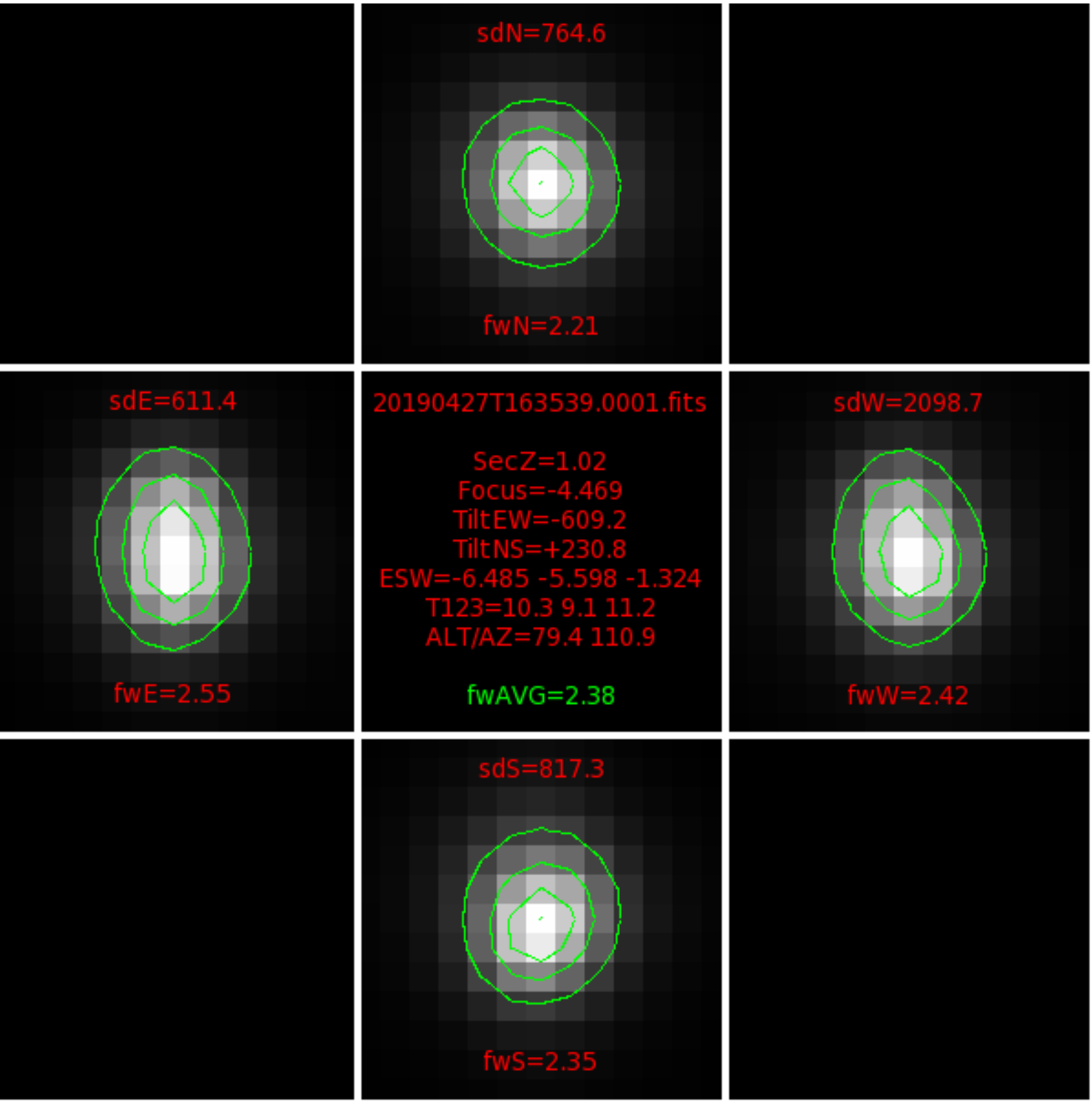
sdN=764.6
fwN=2.21
sdE=611.4
fwE=2.55
20190427T163539.0001.fits
SecZ=1.02
Focus=-4.469
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.485 -5.598 -1.324
T123=10.3 9.1 11.2
ALT/AZ=79.4 110.9
fwAVG=2.38
sdW=2098.7
fwW=2.42
sdS=817.3
fwS=2.35
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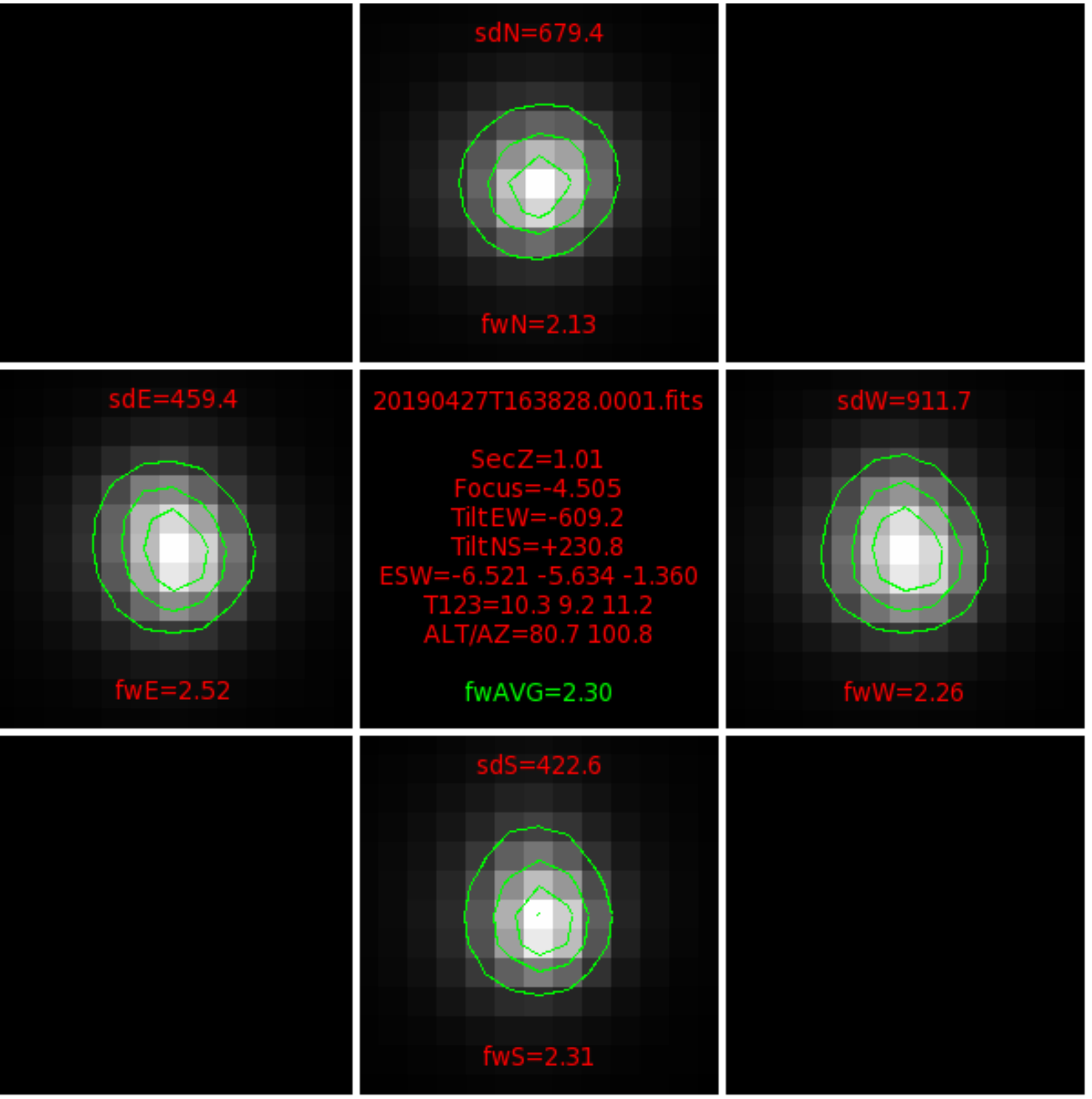
sdN=679.4
fwN=2.13
sdE=459.4
fwE=2.52
20190427T163828.0001.fits
SecZ=1.01
Focus=-4.505
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.521 -5.634 -1.360
T123=10.3 9.2 11.2
ALT/AZ=80.7 100.8
fwAVG=2.30
sdW=911.7
fwW=2.26
sdS=422.6
fwS=2.31
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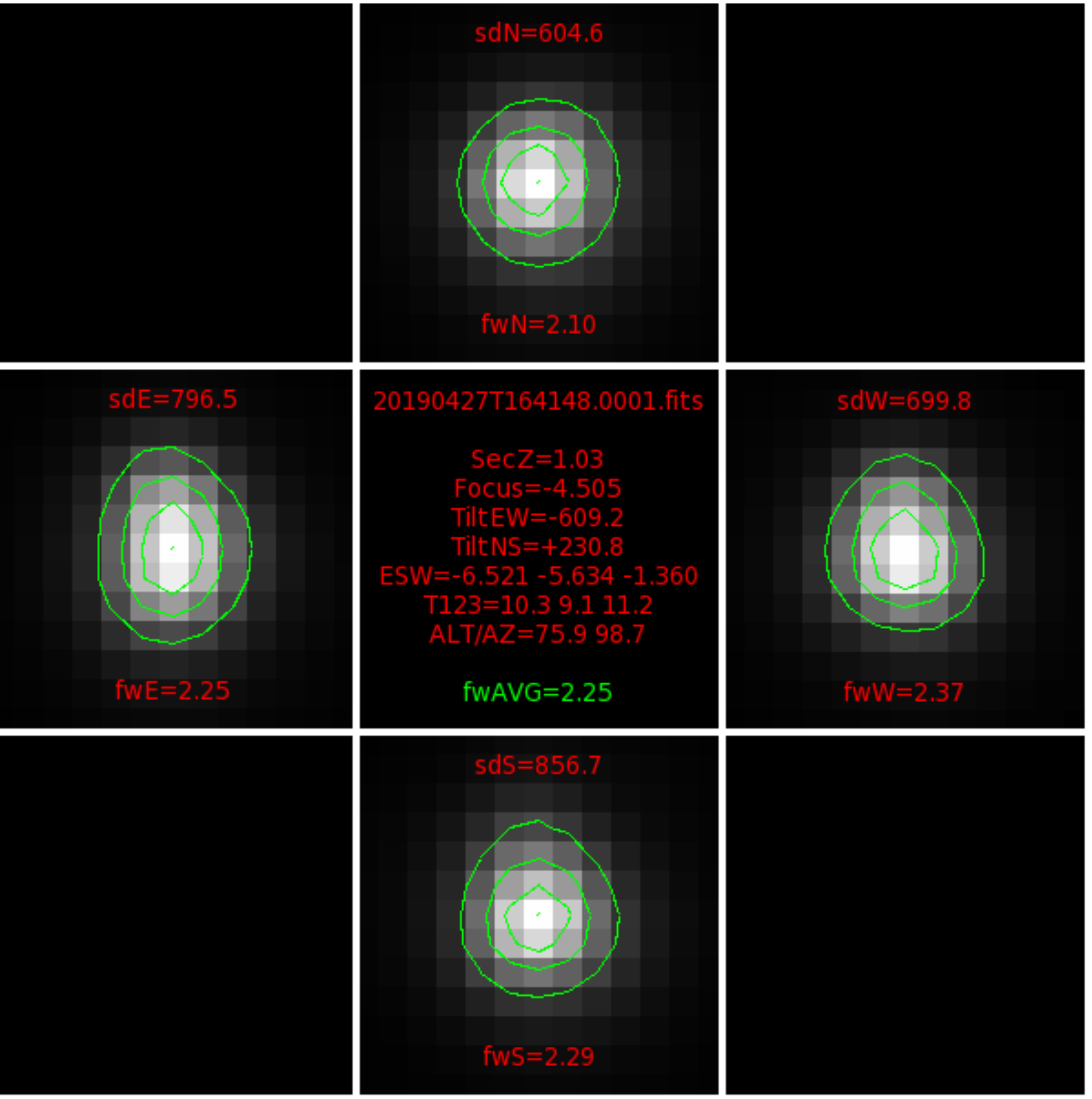
sdN=604.6
fwN=2.10
sdE=796.5
fwE=2.25
20190427T164148.0001.fits
SecZ=1.03
Focus=-4.505
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.521 -5.634 -1.360
T123=10.3 9.1 11.2
ALT/AZ=75.9 98.7
fwAVG=2.25
sdW=699.8
fwW=2.37
sdS=856.7
fwS=2.29
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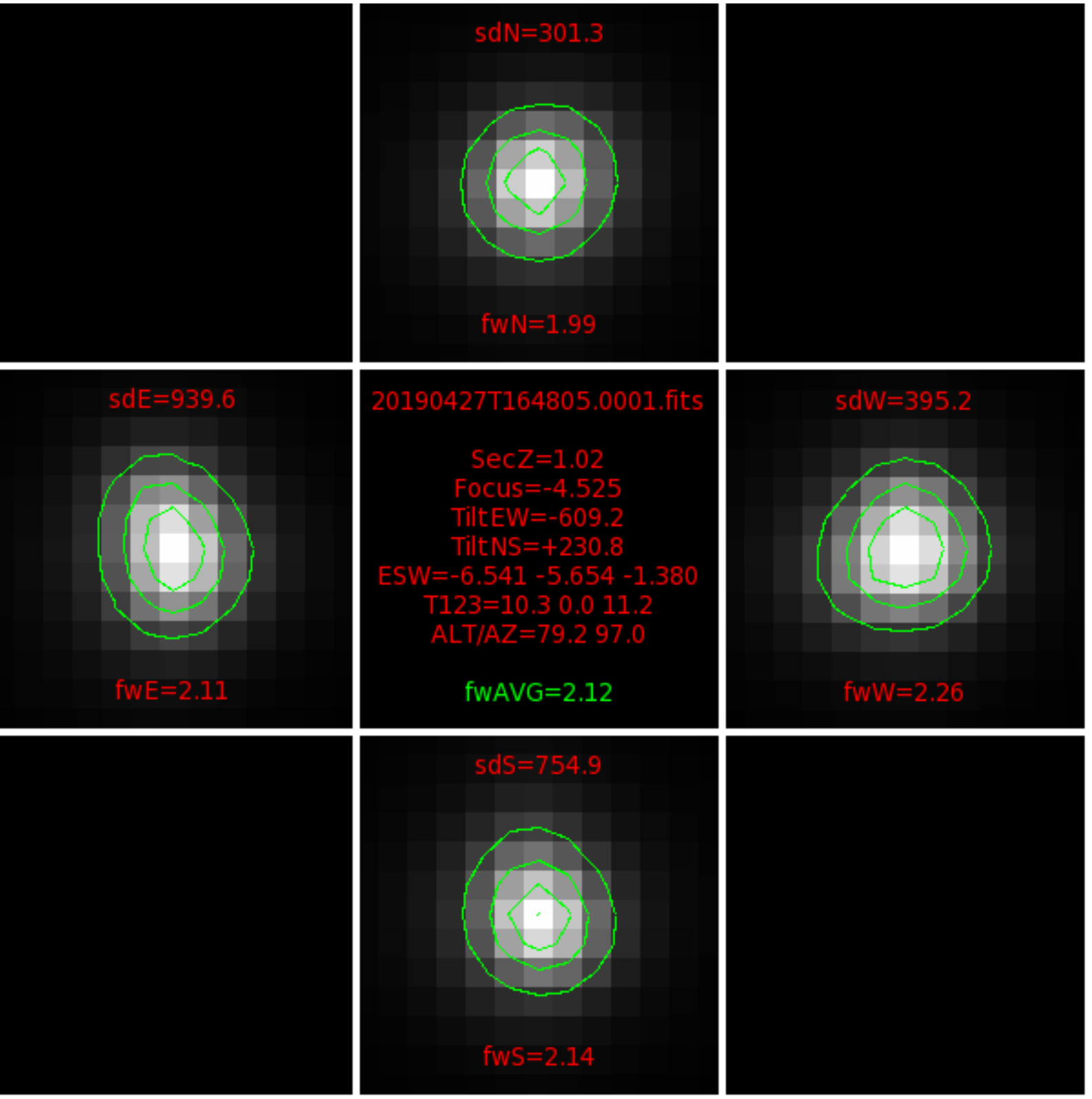
sdN=301.3
fwN=1.99
sdE=939.6
fwE=2.11
20190427T164805.0001.fits
SecZ=1.02
Focus=-4.525
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.541 -5.654 -1.380
T123=10.3 0.0 11.2
ALT/AZ=79.2 97.0
fwAVG=2.12
sdW=395.2
fwW=2.26
sdS=754.9
fwS=2.14
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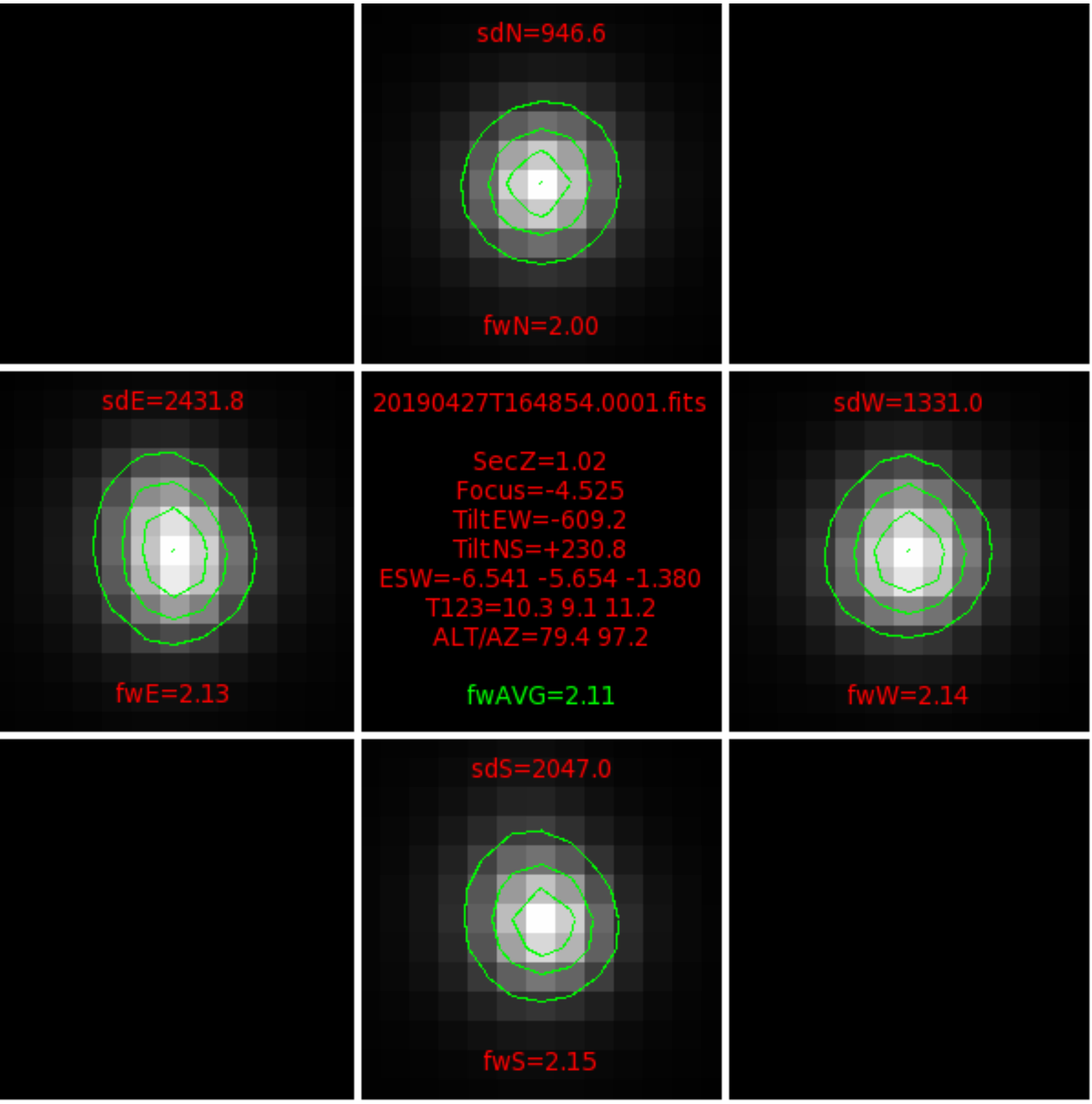
sdN=946.6
fwN=2.00
sdE=2431.8
fwE=2.13
20190427T164854.0001.fits
SecZ=1.02
Focus=-4.525
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.541 -5.654 -1.380
T123=10.3 9.1 11.2
ALT/AZ=79.4 97.2
fwAVG=2.11
sdW=1331.0
fwW=2.14
sdS=2047.0
fwS=2.15
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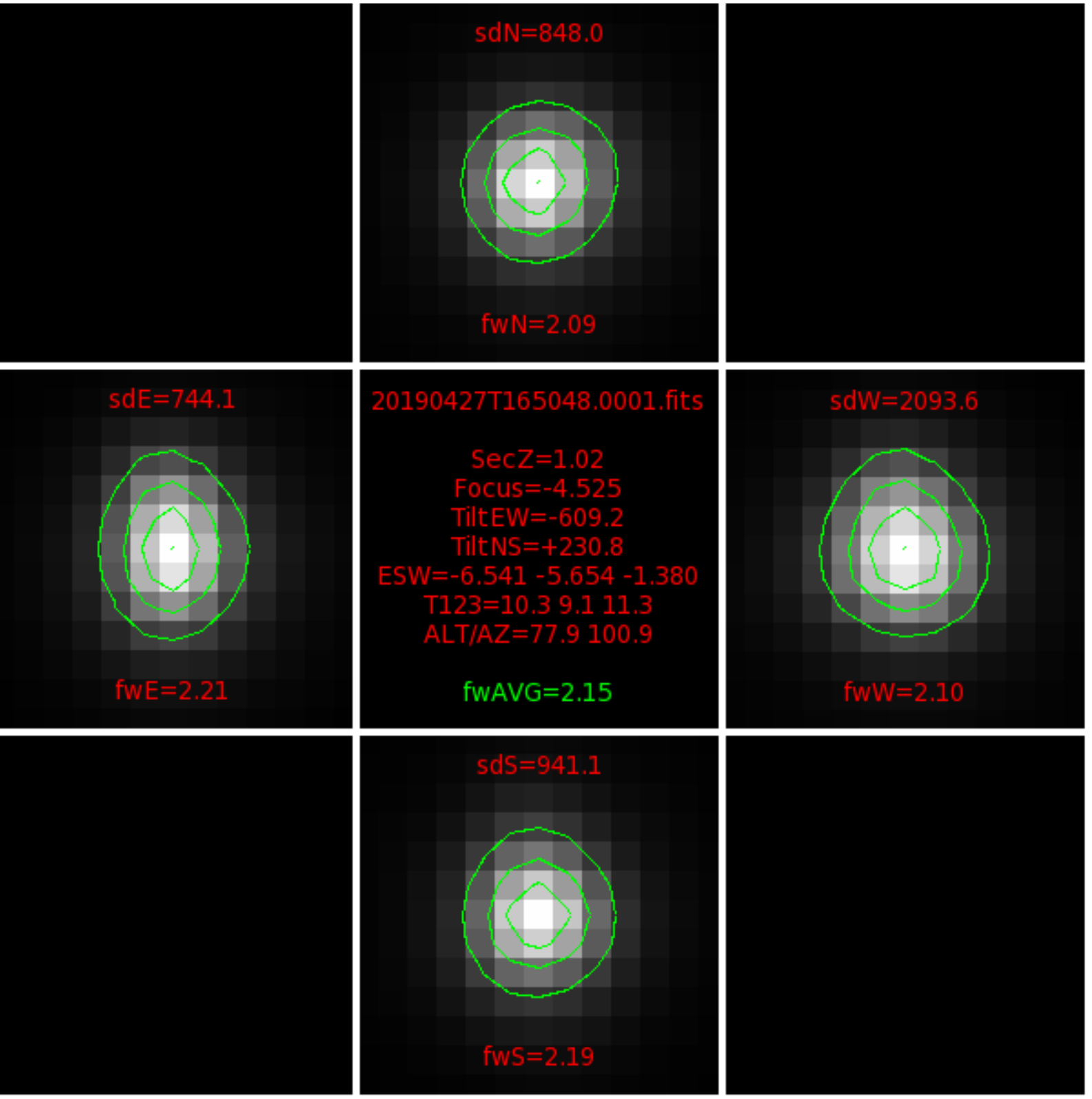
sdN=848.0
fwN=2.09
sdE=744.1
fwE=2.21
20190427T165048.0001.fits
SecZ=1.02
Focus=-4.525
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.541 -5.654 -1.380
T123=10.3 9.1 11.3
ALT/AZ=77.9 100.9
fwAVG=2.15
sdW=2093.6
fwW=2.10
sdS=941.1
fwS=2.19
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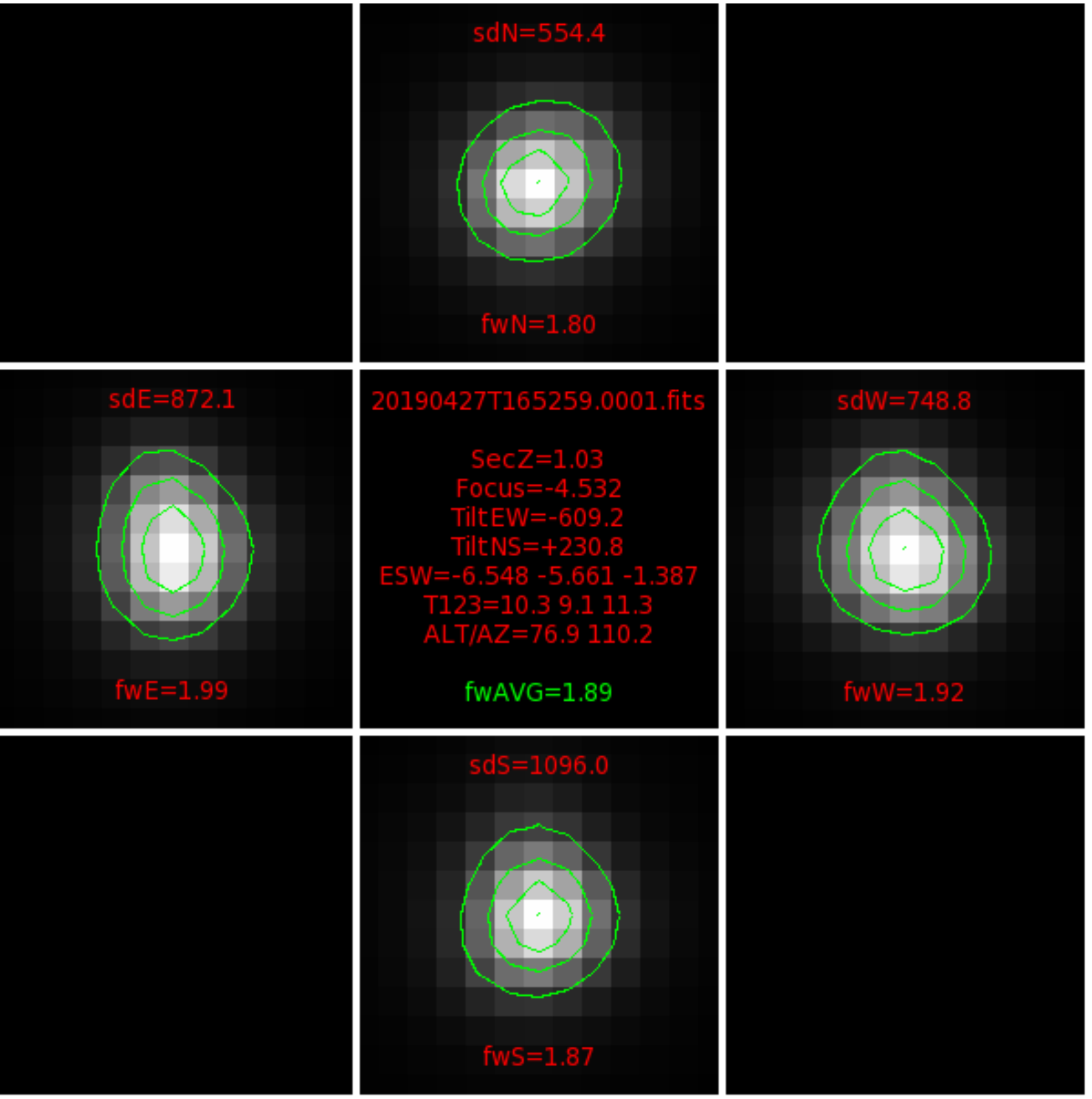
sdN=554.4
fwN=1.80
sdE=872.1
fwE=1.99
20190427T165259.0001.fits
SecZ=1.03
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.1 11.3
ALT/AZ=76.9 110.2
fwAVG=1.89
sdW=748.8
fwW=1.92
sdS=1096.0
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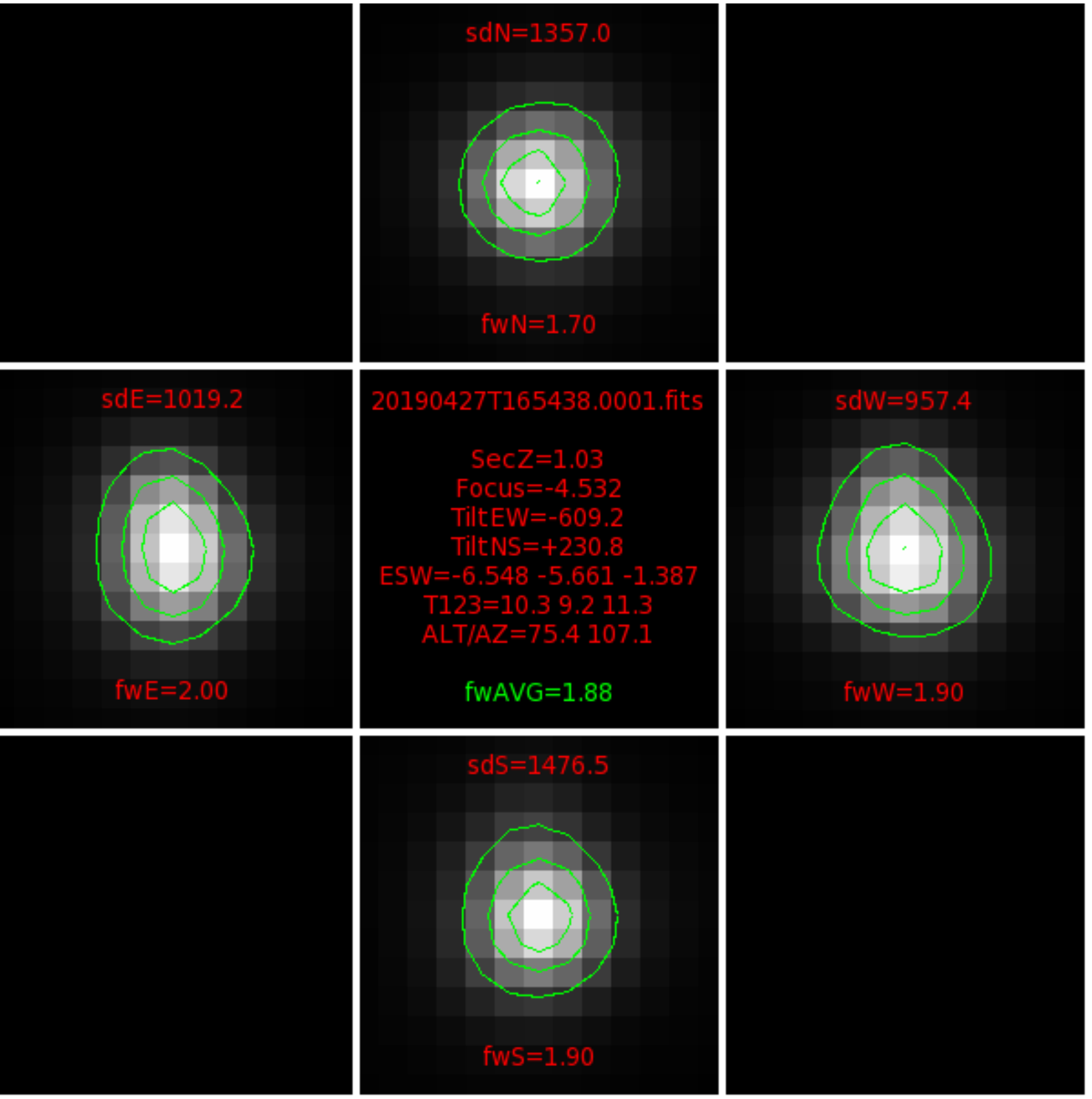
sdN=1357.0
fwN=1.70
sdE=1019.2
fwE=2.00
20190427T165438.0001.fits
SecZ=1.03
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.2 11.3
ALT/AZ=75.4 107.1
fwAVG=1.88
sdW=957.4
fwW=1.90
sdS=1476.5
fwS=1.90
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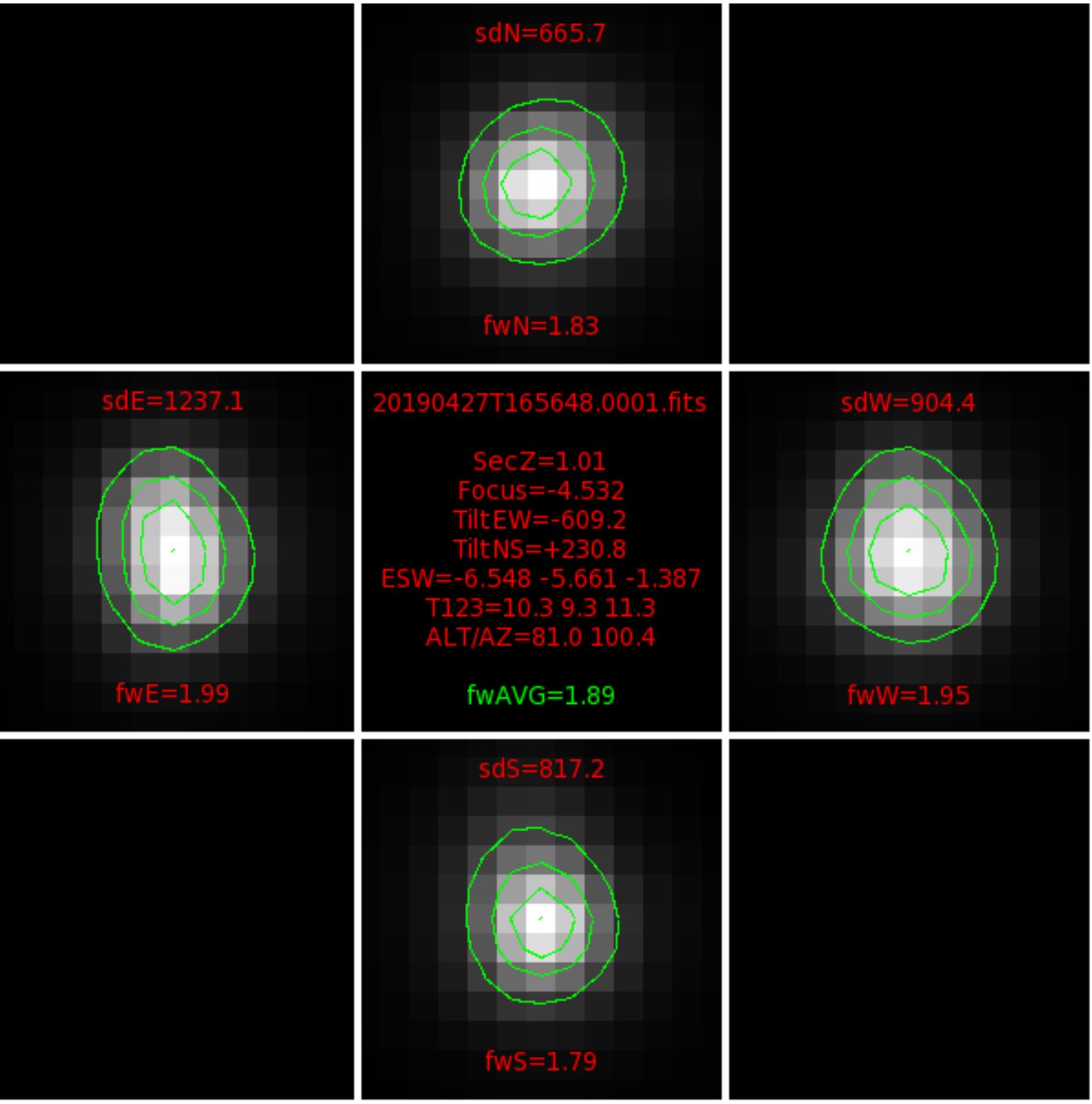
sdN=665.7
fwN=1.83
sdE=1237.1
fwE=1.99
20190427T165648.0001.fits
SecZ=1.01
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.3 11.3
ALT/AZ=81.0 100.4
fwAVG=1.89
sdW=904.4
fwW=1.95
sdS=817.2
fwS=1.79
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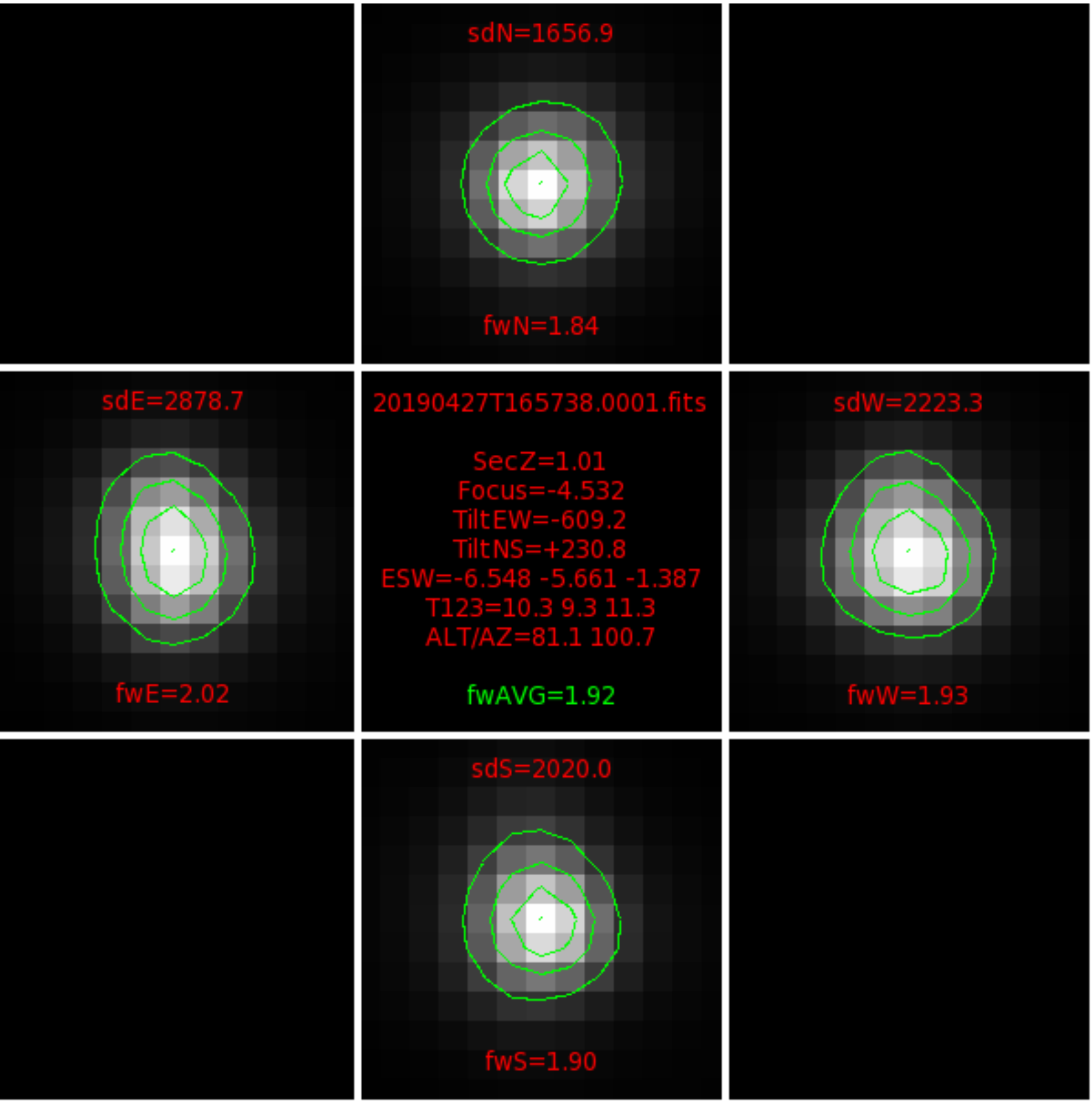
sdN=1656.9
fwN=1.84
sdE=2878.7
fwE=2.02
20190427T165738.0001.fits
SecZ=1.01
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.3 11.3
ALT/AZ=81.1 100.7
fwAVG=1.92
sdW=2223.3
fwW=1.93
sdS=2020.0
fwS=1.90
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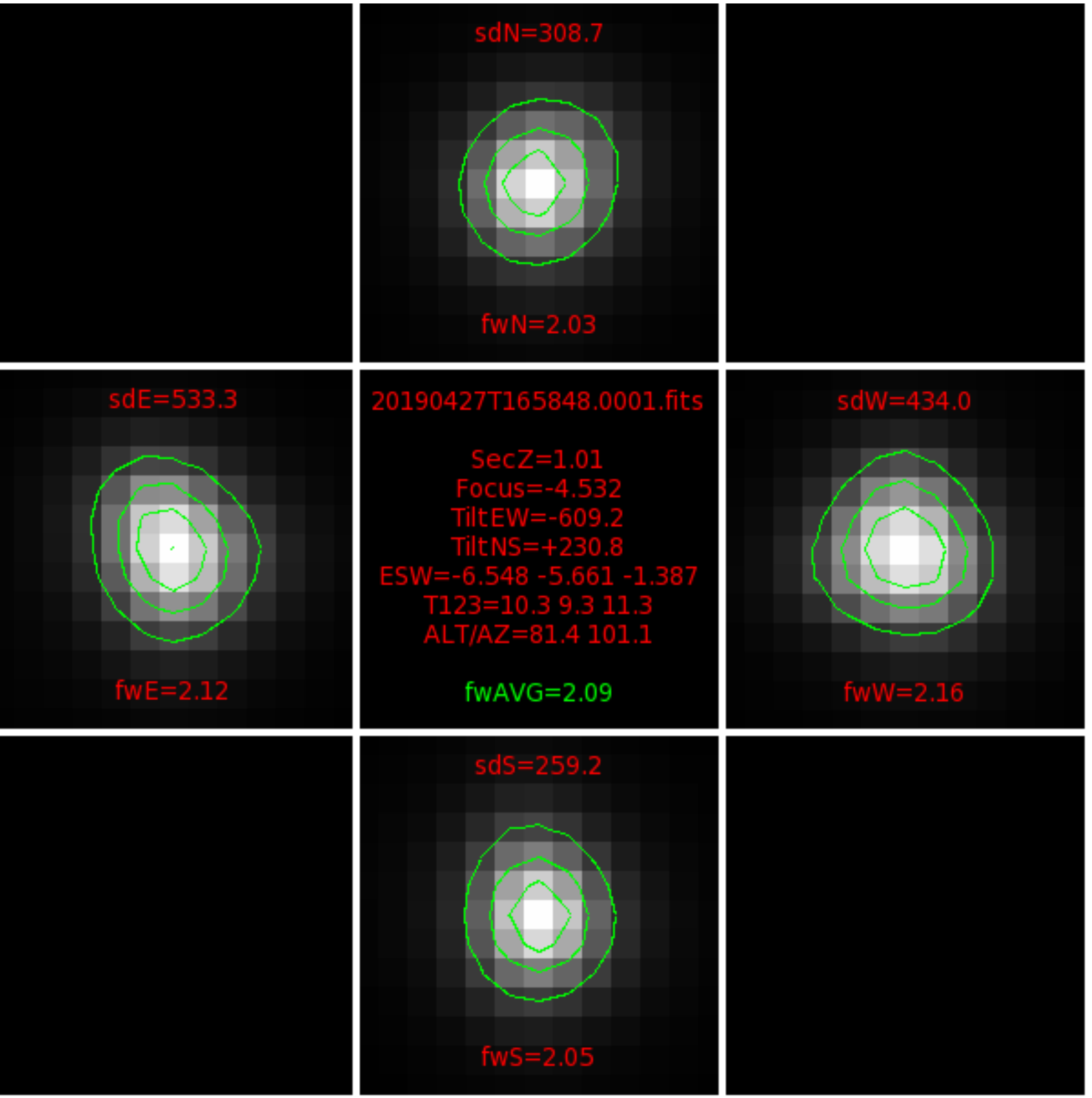
sdN=308.7
fwN=2.03
sdE=533.3
fwE=2.12
20190427T165848.0001.fits
SecZ=1.01
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.3 11.3
ALT/AZ=81.4 101.1
fwAVG=2.09
sdW=434.0
fwW=2.16
sdS=259.2
fwS=2.05
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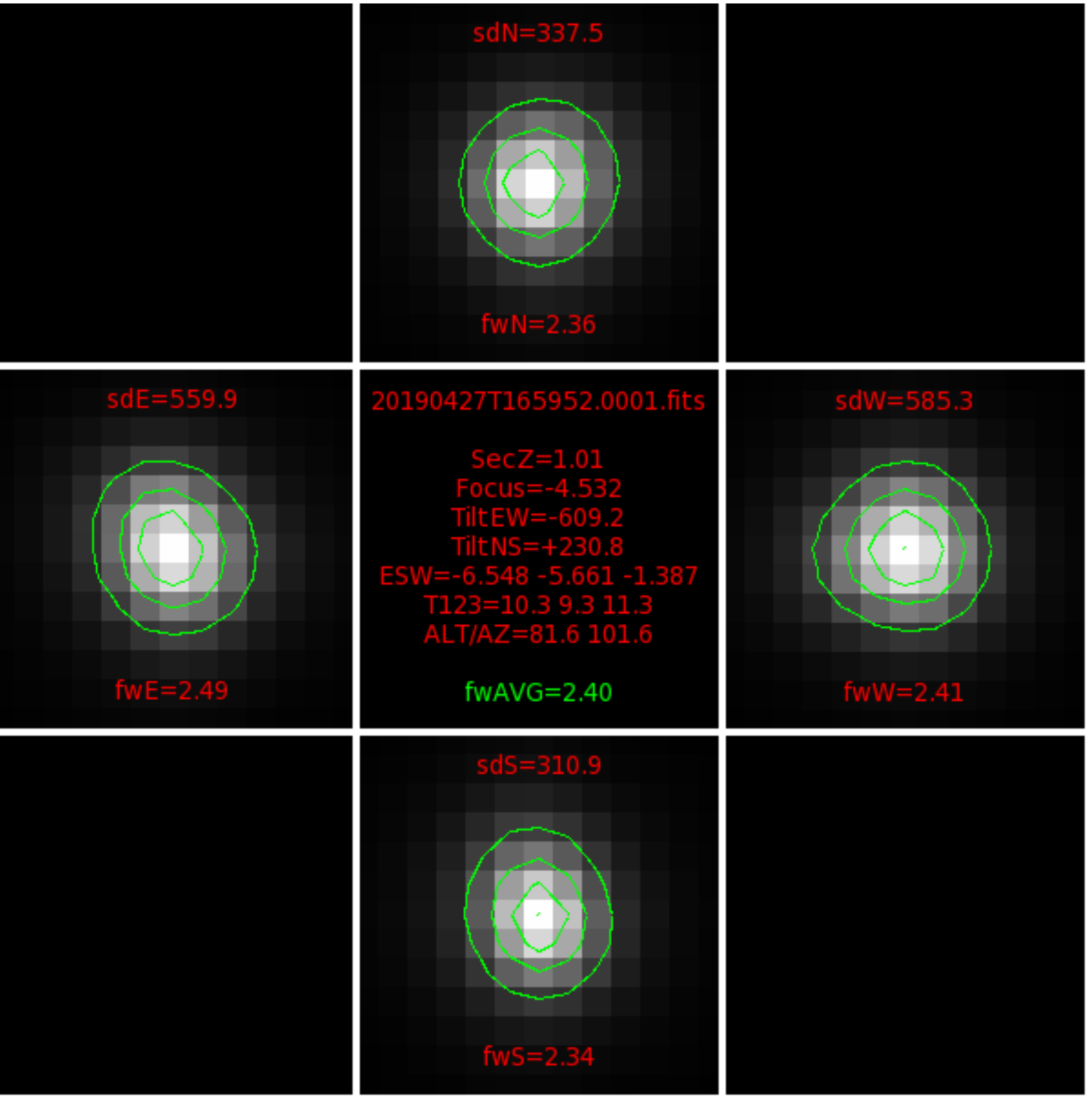
sdN=337.5
fwN=2.36
sdE=559.9
fwE=2.49
20190427T165952.0001.fits
SecZ=1.01
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.3 11.3
ALT/AZ=81.6 101.6
fwAVG=2.40
sdW=585.3
fwW=2.41
sdS=310.9
fwS=2.34
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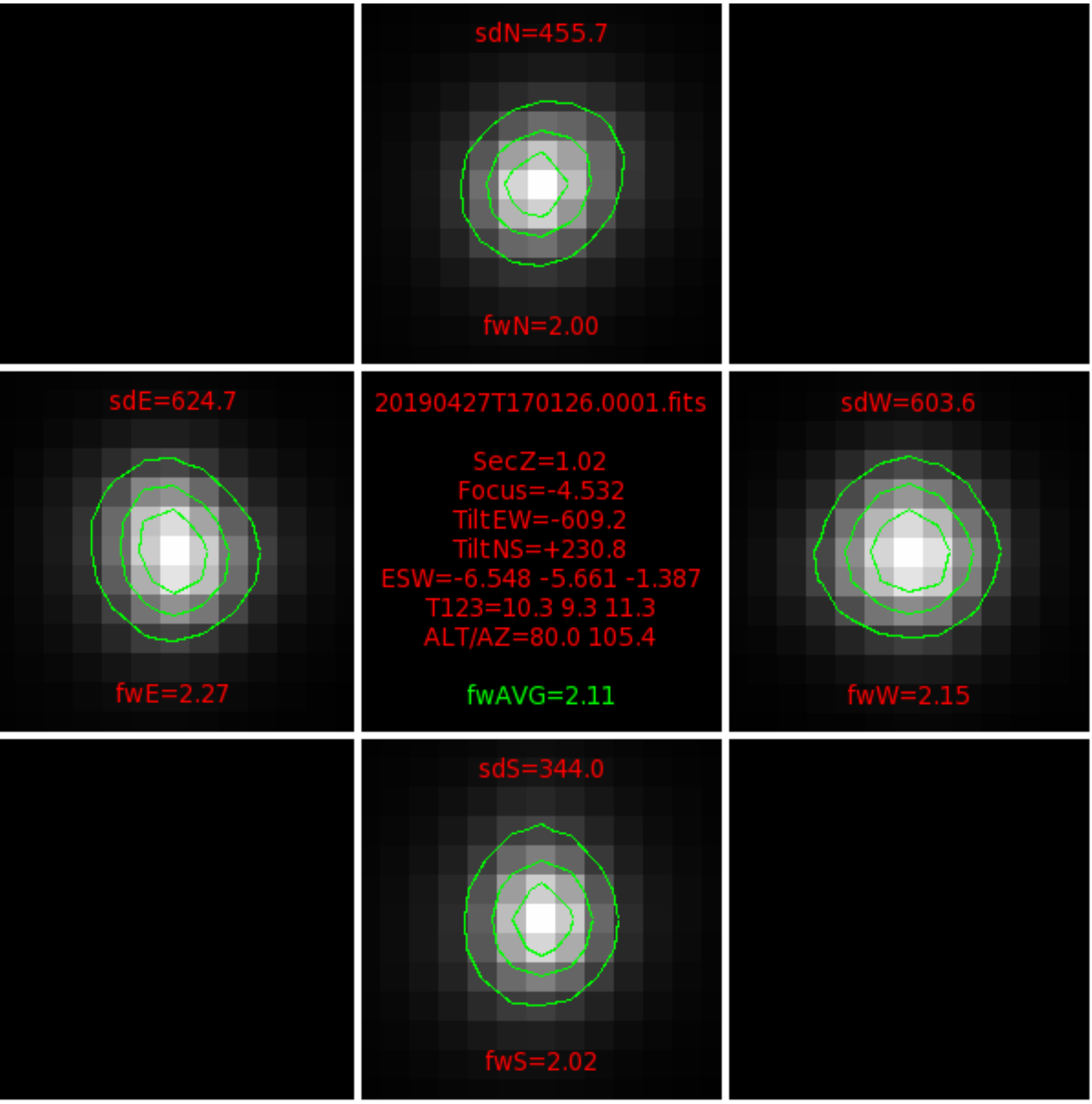
sdN=455.7
fwN=2.00
sdE=624.7
fwE=2.27
20190427T170126.0001.fits
SecZ=1.02
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.3 11.3
ALT/AZ=80.0 105.4
fwAVG=2.11
sdW=603.6
fwW=2.15
sdS=344.0
fwS=2.02
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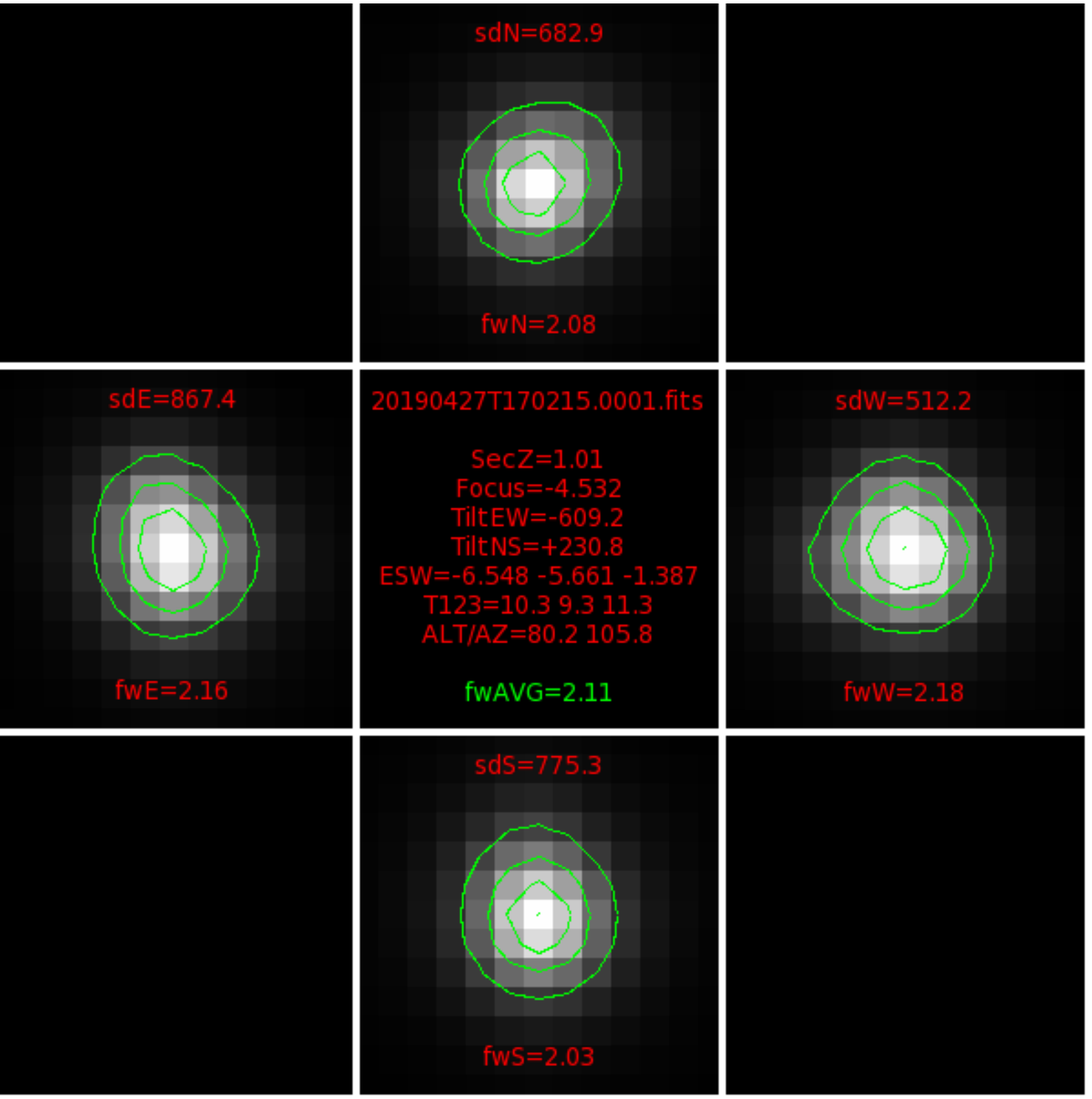
sdN=682.9
fwN=2.08
sdE=867.4
fwE=2.16
20190427T170215.0001.fits
SecZ=1.01
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.3 11.3
ALT/AZ=80.2 105.8
fwAVG=2.11
sdW=512.2
fwW=2.18
sdS=775.3
fwS=2.03
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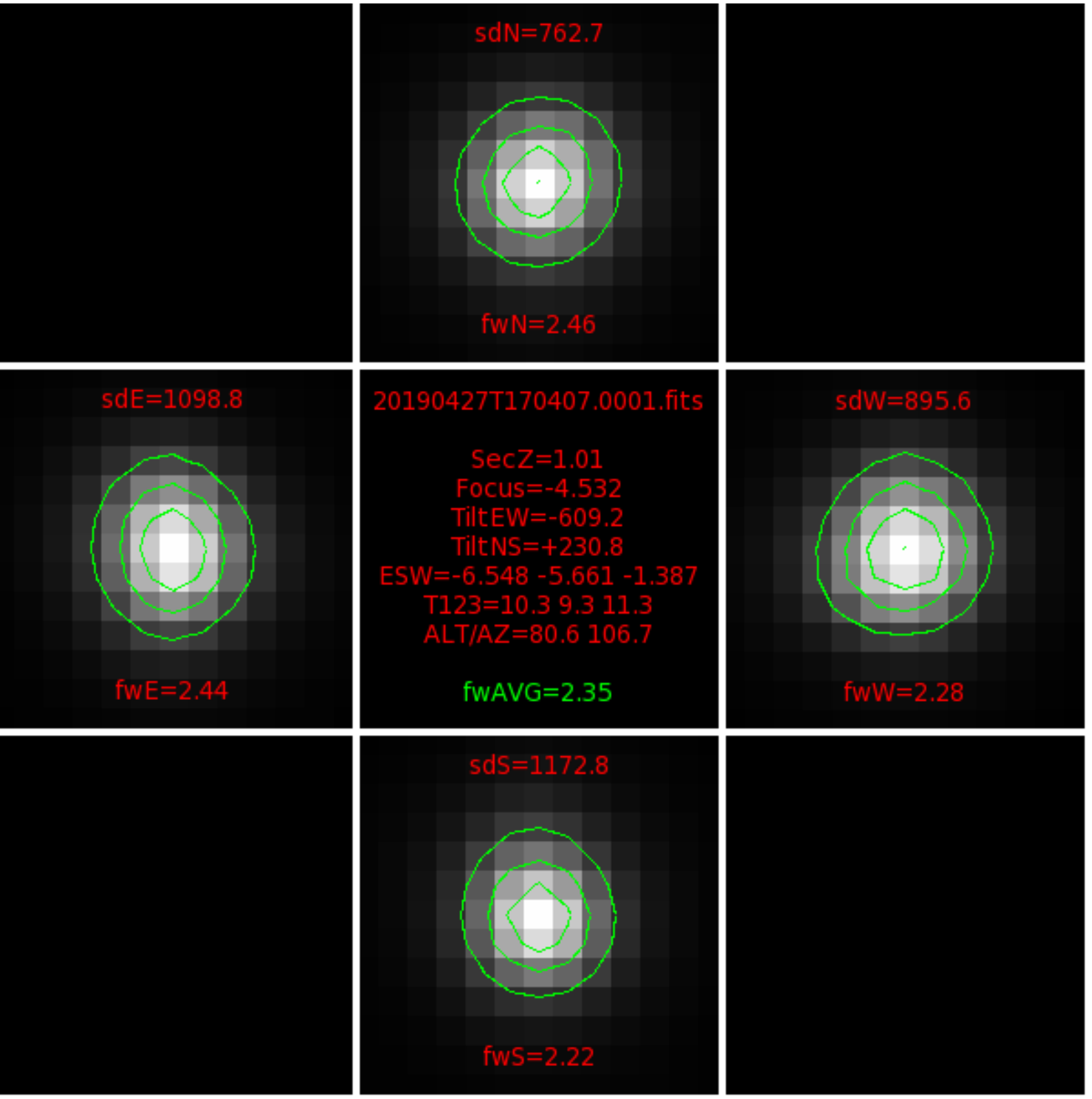
sdN=762.7
fwN=2.46
sdE=1098.8
fwE=2.44
20190427T170407.0001.fits
SecZ=1.01
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.3 11.3
ALT/AZ=80.6 106.7
fwAVG=2.35
sdW=895.6
fwW=2.28
sdS=1172.8
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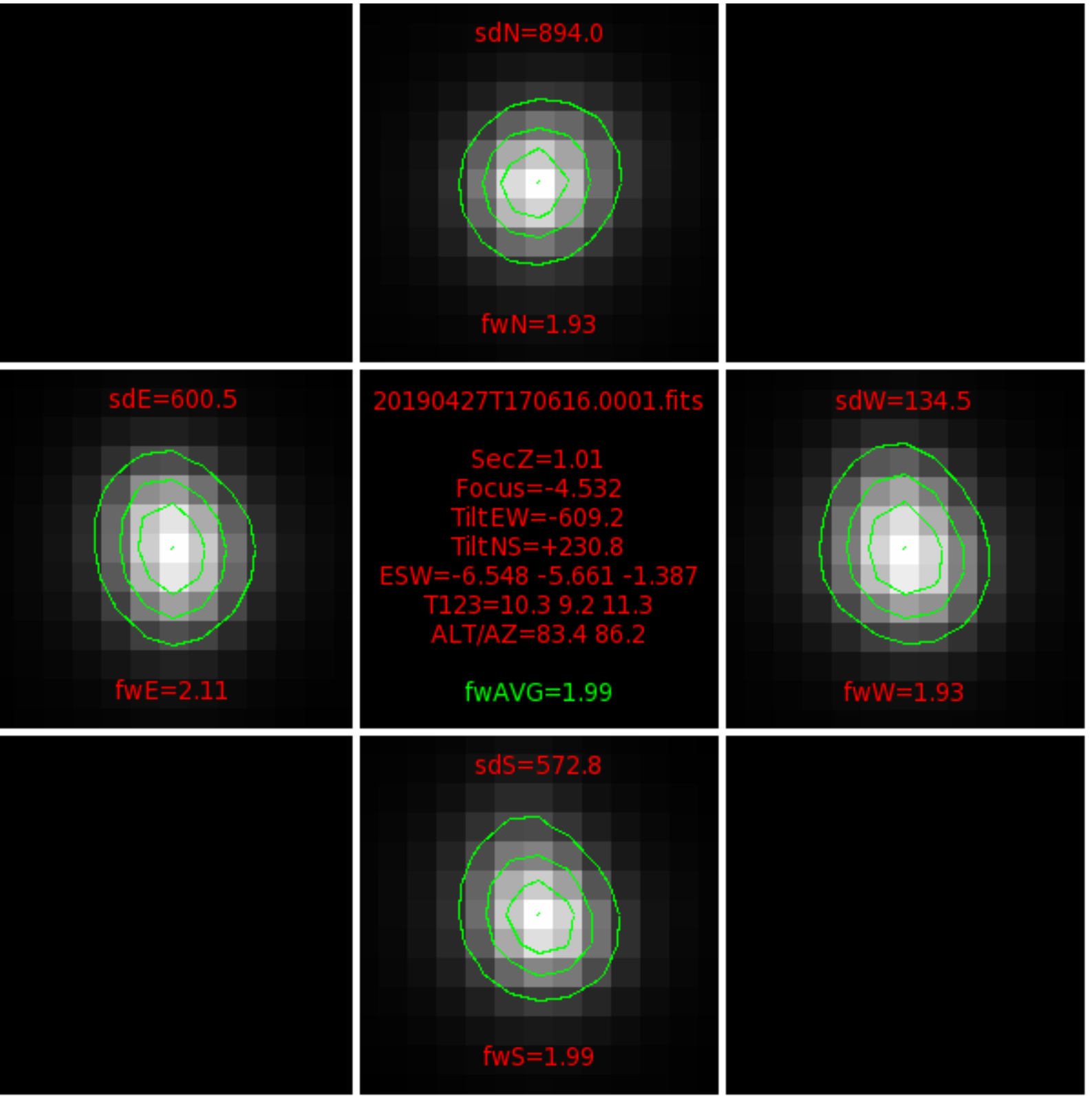
sdN=894.0
fwN=1.93
sdE=600.5
fwE=2.11
20190427T170616.0001.fits
SecZ=1.01
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.2 11.3
ALT/AZ=83.4 86.2
fwAVG=1.99
sdW=134.5
fwW=1.93
sdS=572.8
fwS=1.99
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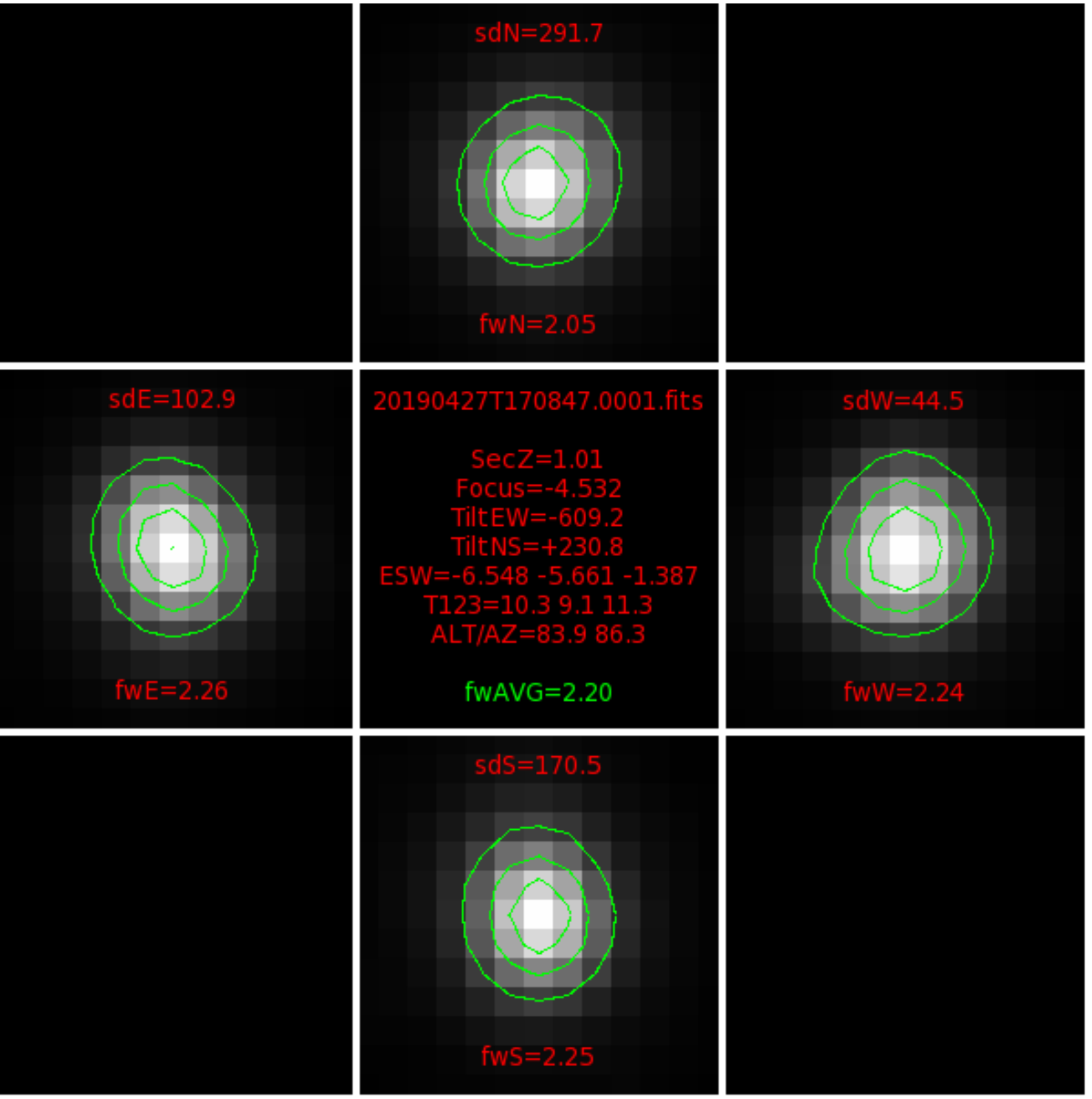
sdN=291.7
fwN=2.05
sdE=102.9
fwE=2.26
20190427T170847.0001.fits
SecZ=1.01
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.1 11.3
ALT/AZ=83.9 86.3
fwAVG=2.20
sdW=44.5
fwW=2.24
sdS=170.5
fwS=2.25
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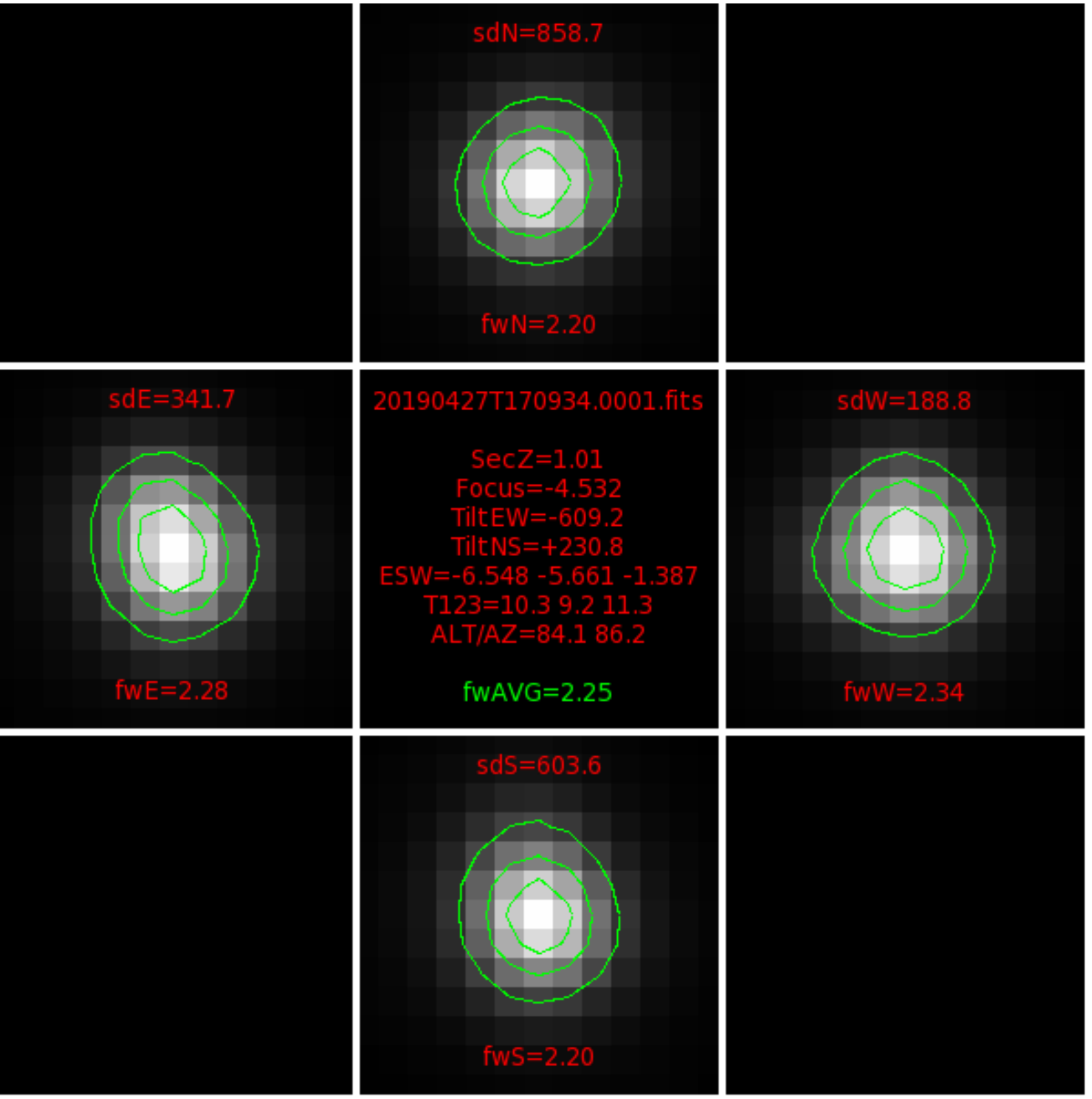
sdN=858.7
fwN=2.20
sdE=341.7
fwE=2.28
20190427T170934.0001.fits
SecZ=1.01
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.2 11.3
ALT/AZ=84.1 86.2
fwAVG=2.25
sdW=188.8
fwW=2.34
sdS=603.6
fwS=2.20
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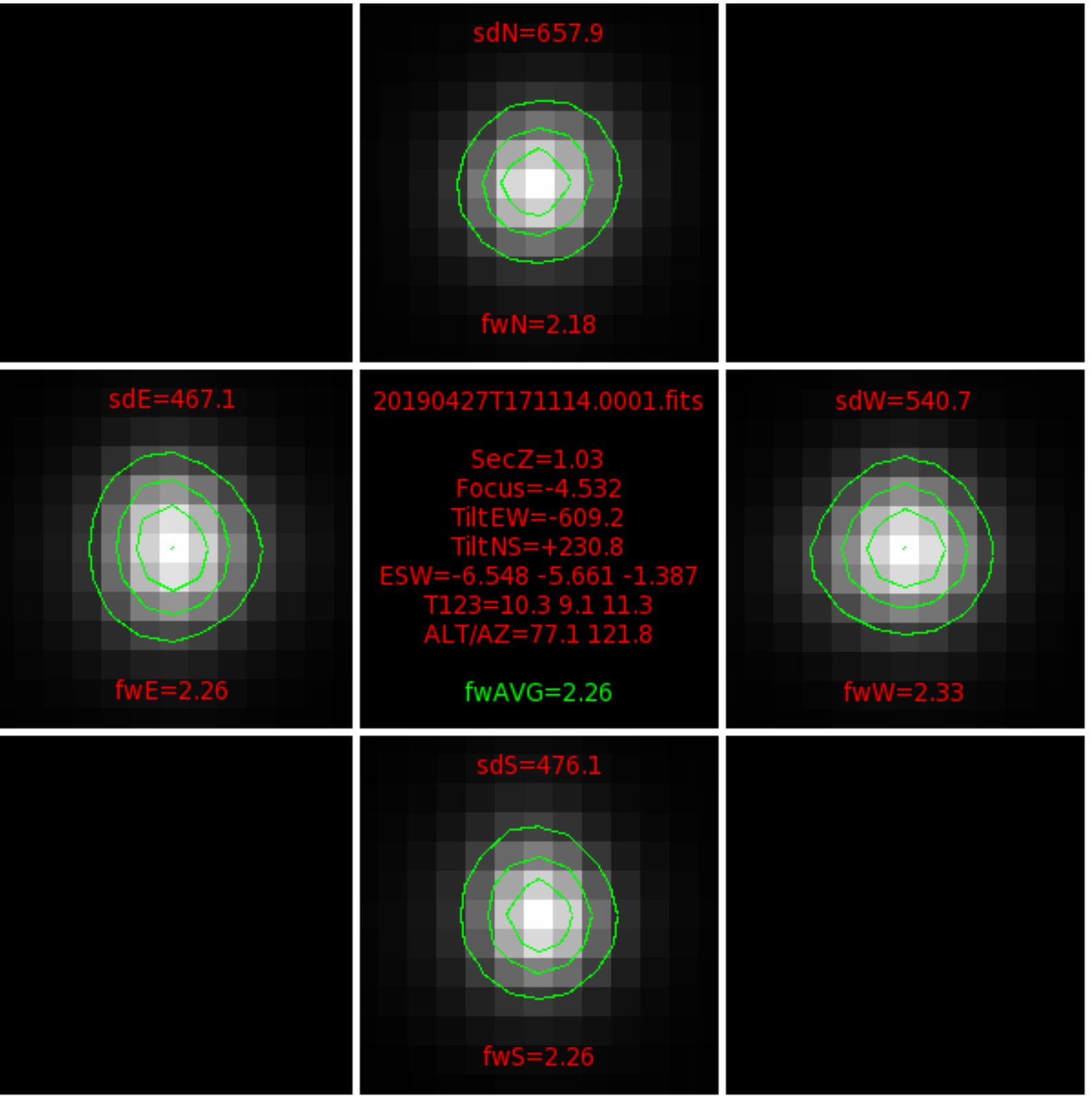
sdN=657.9
fwN=2.18
sdE=467.1
fwE=2.26
20190427T171114.0001.fits
SecZ=1.03
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.1 11.3
ALT/AZ=77.1 121.8
fwAVG=2.26
sdW=540.7
fwW=2.33
sdS=476.1
fwS=2.26
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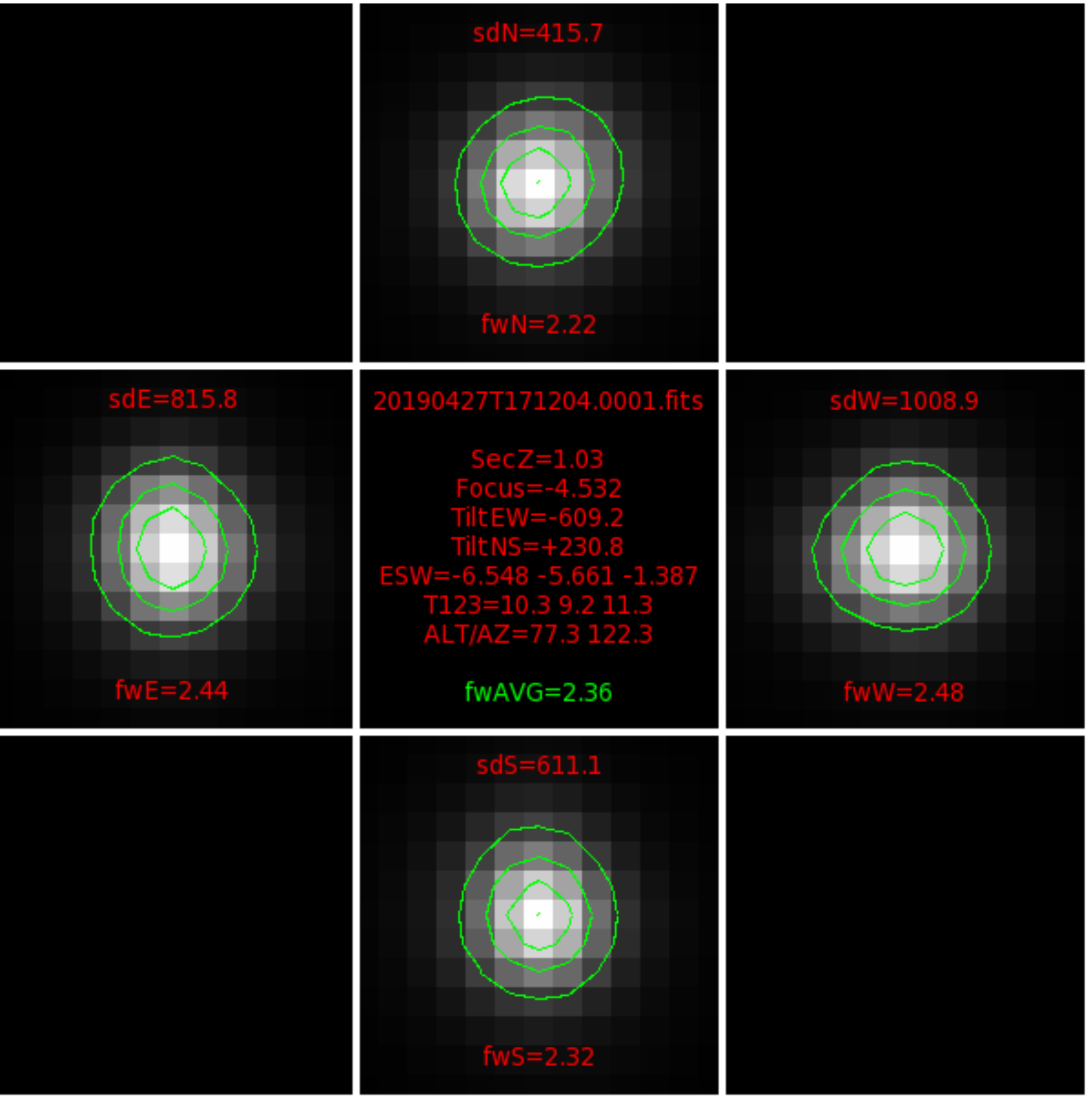
sdN=415.7
fwN=2.22
sdE=815.8
fwE=2.44
20190427T171204.0001.fits
SecZ=1.03
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.2 11.3
ALT/AZ=77.3 122.3
fwAVG=2.36
sdW=1008.9
fwW=2.48
sdS=611.1
fwS=2.32
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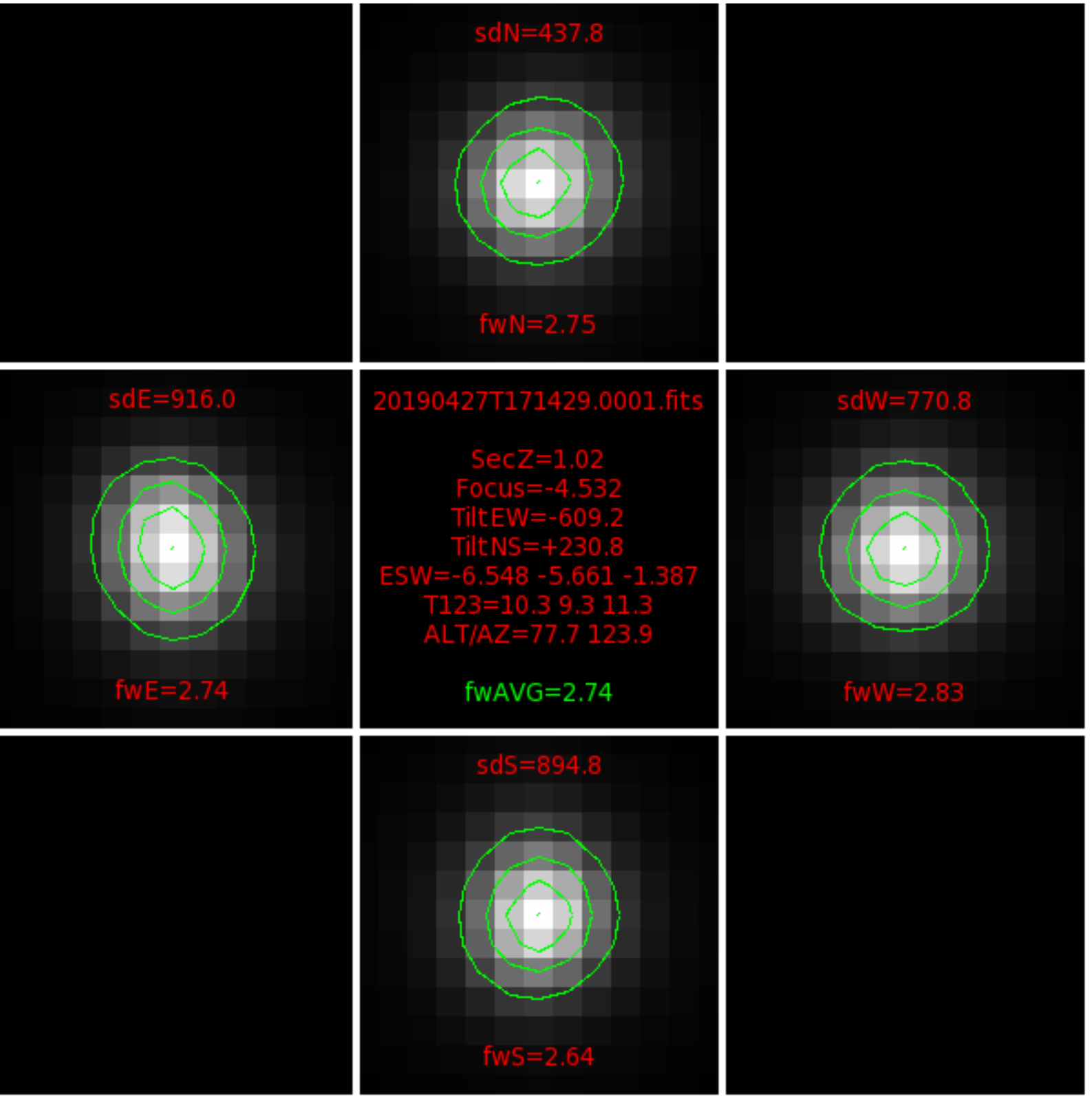
sdN=437.8
fwN=2.75
sdE=916.0
fwE=2.74
20190427T171429.0001.fits
SecZ=1.02
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.3 11.3
ALT/AZ=77.7 123.9
fwAVG=2.74
sdW=770.8
fwW=2.83
sdS=894.8
fwS=2.64
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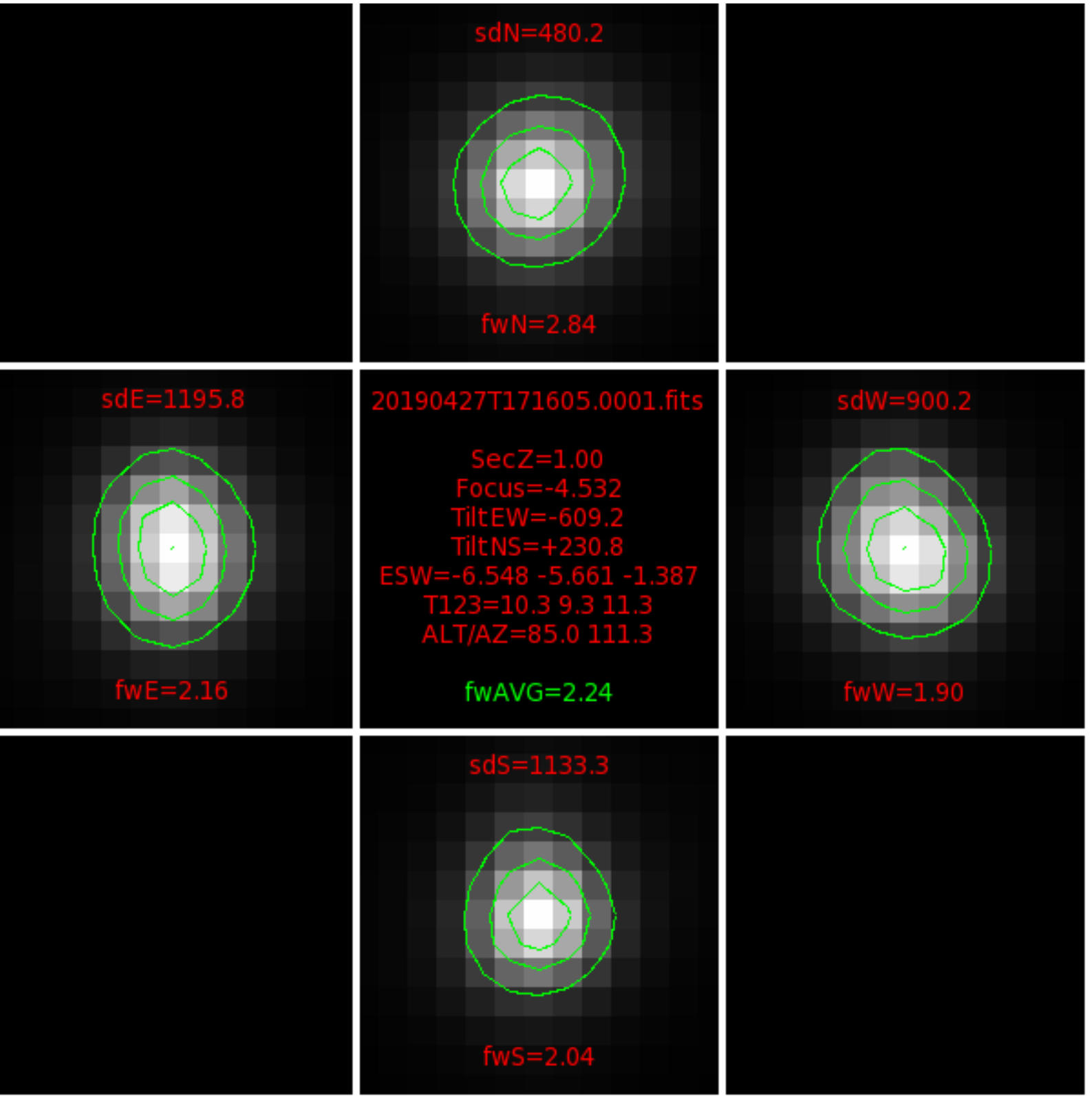
sdN=480.2
fwN=2.84
sdE=1195.8
fwE=2.16
20190427T171605.0001.fits
SecZ=1.00
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.3 11.3
ALT/AZ=85.0 111.3
fwAVG=2.24
sdW=900.2
fwW=1.90
sdS=1133.3
fwS=2.04
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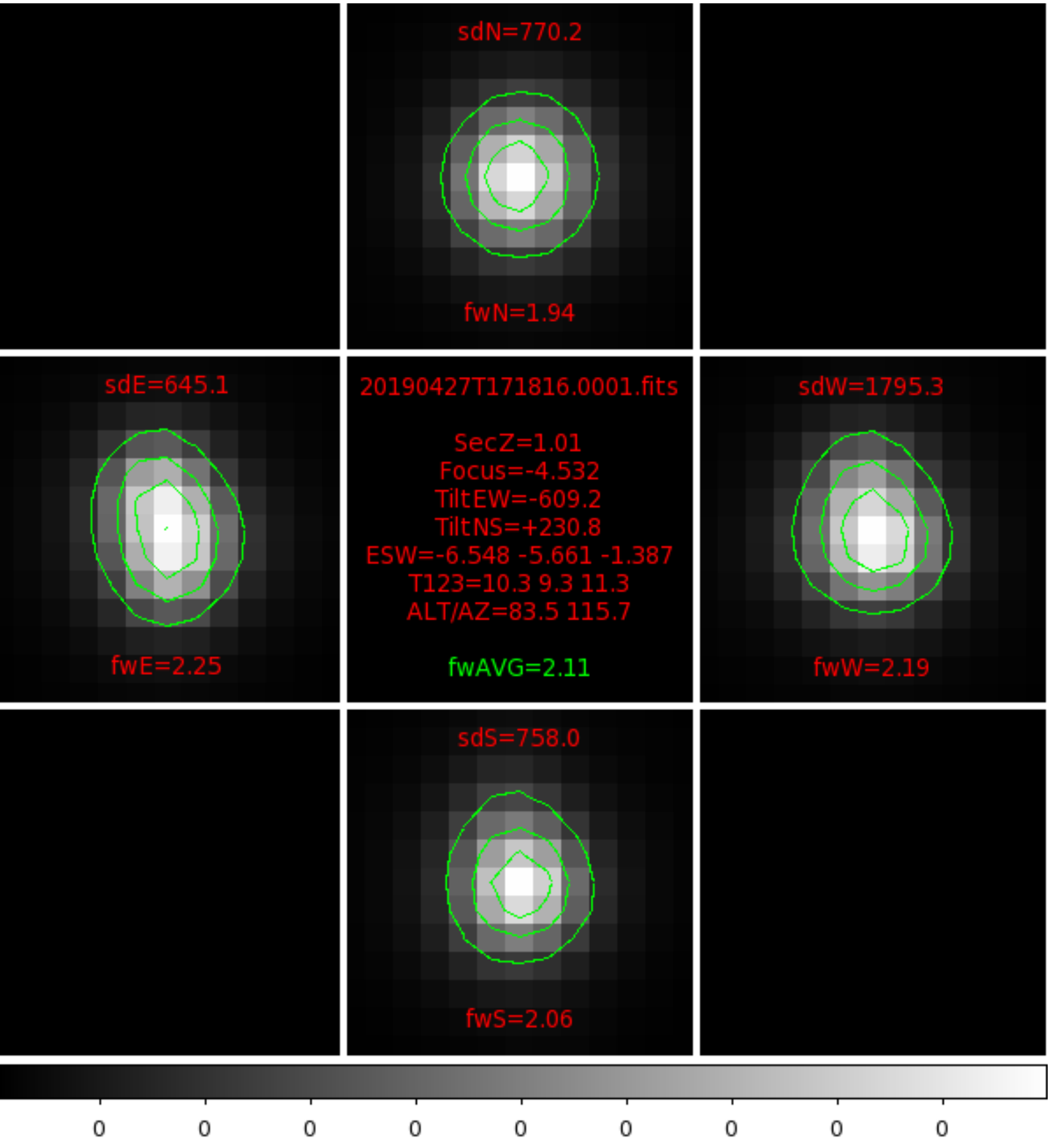
sdN=770.2
fwN=1.94
sdE=645.1
fwE=2.25
20190427T171816.0001.fits
SecZ=1.01
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.3 11.3
ALT/AZ=83.5 115.7
fwAVG=2.11
sdW=1795.3
fwW=2.19
sdS=758.0
fwS=2.06
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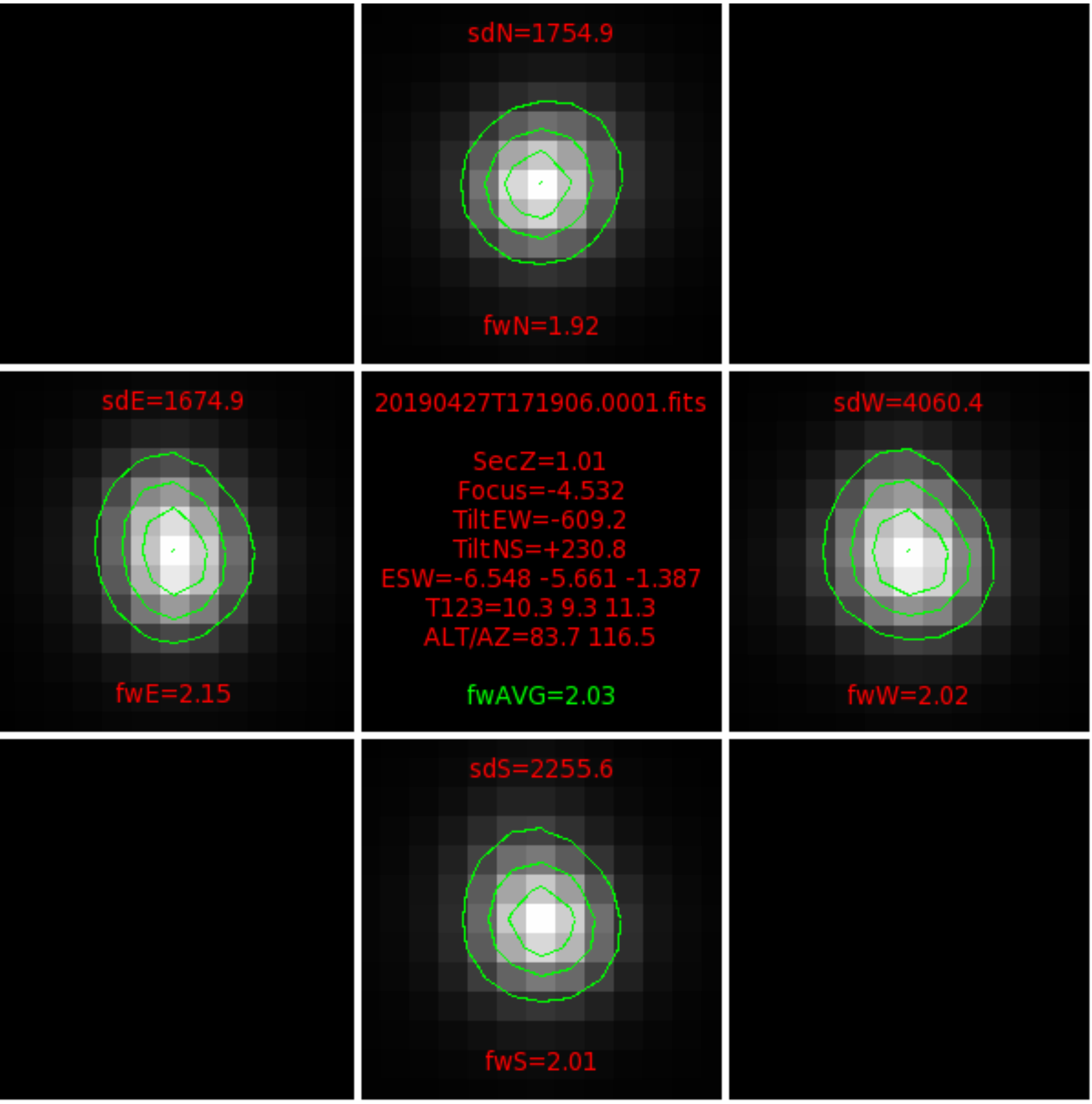
sdN=1754.9
fwN=1.92
sdE=1674.9
fwE=2.15
20190427T171906.0001.fits
SecZ=1.01
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.3 11.3
ALT/AZ=83.7 116.5
fwAVG=2.03
sdW=4060.4
fwW=2.02
sdS=2255.6
fwS=2.01
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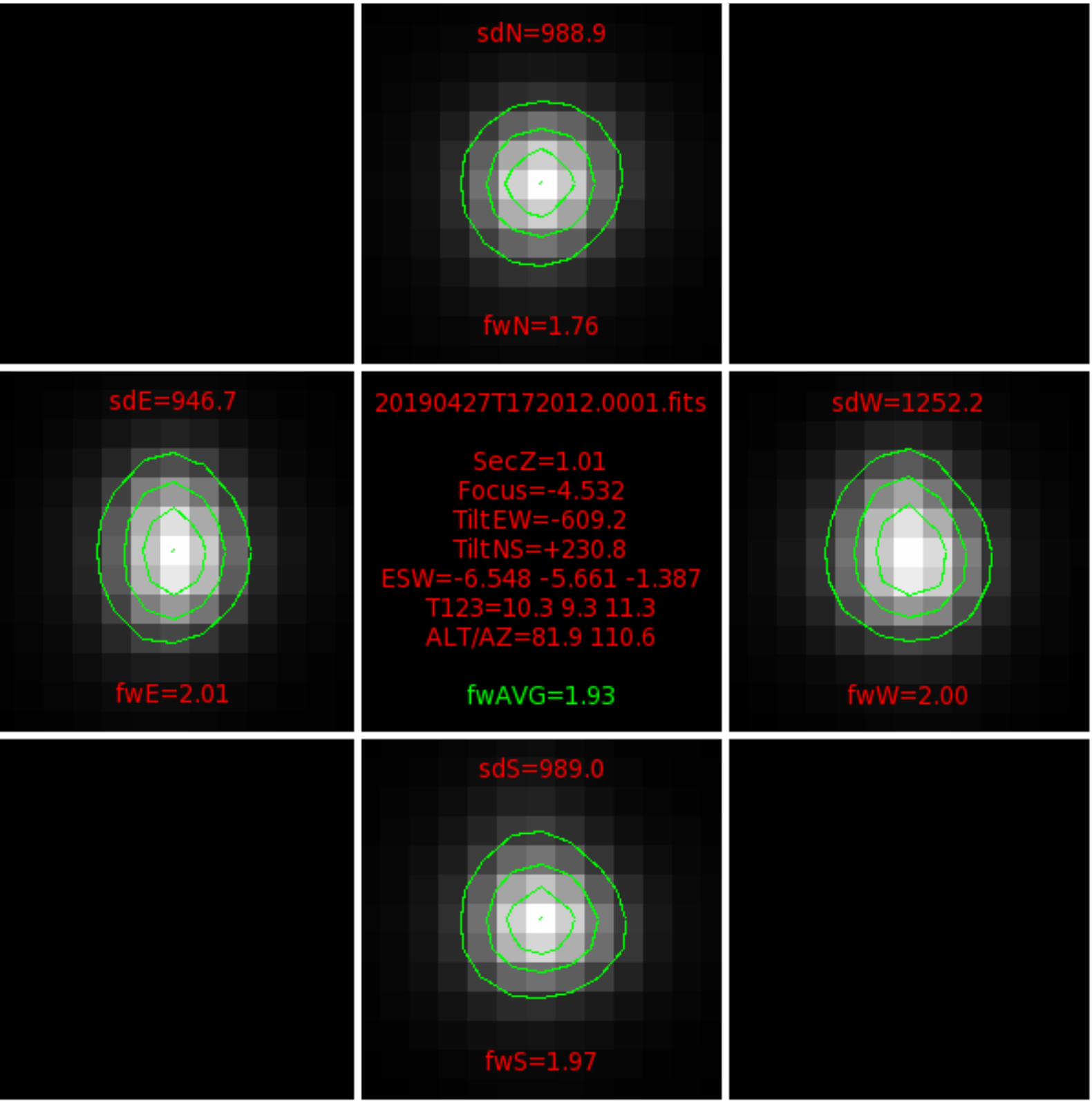
sdN=988.9
fwN=1.76
sdE=946.7
fwE=2.01
20190427T172012.0001.fits
SecZ=1.01
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.3 11.3
ALT/AZ=81.9 110.6
fwAVG=1.93
sdW=1252.2
fwW=2.00
sdS=989.0
fwS=1.97
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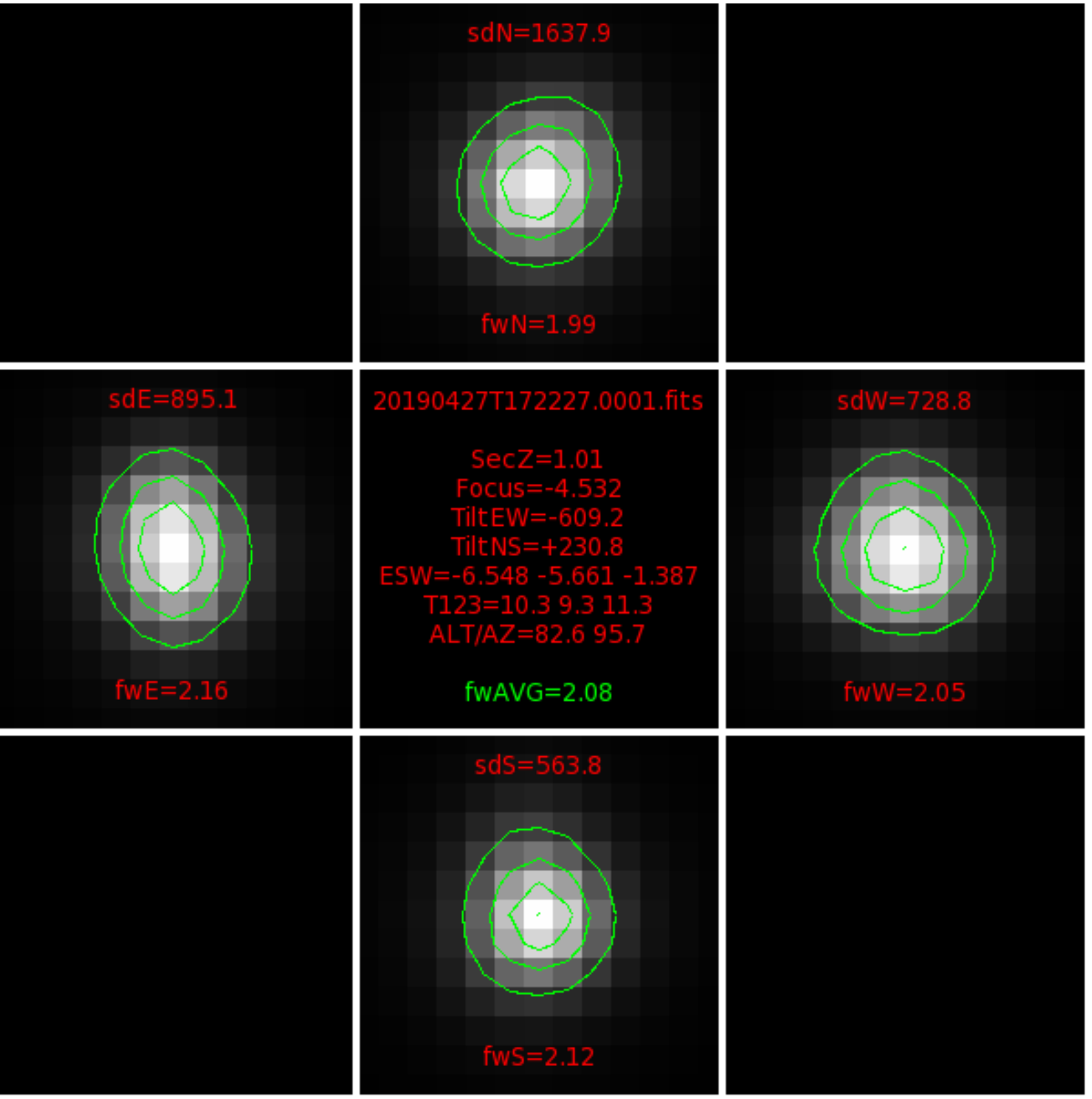
sdN=1637.9
fwN=1.99
sdE=895.1
fwE=2.16
20190427T172227.0001.fits
SecZ=1.01
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.3 11.3
ALT/AZ=82.6 95.7
fwAVG=2.08
sdW=728.8
fwW=2.05
sdS=563.8
fwS=2.12
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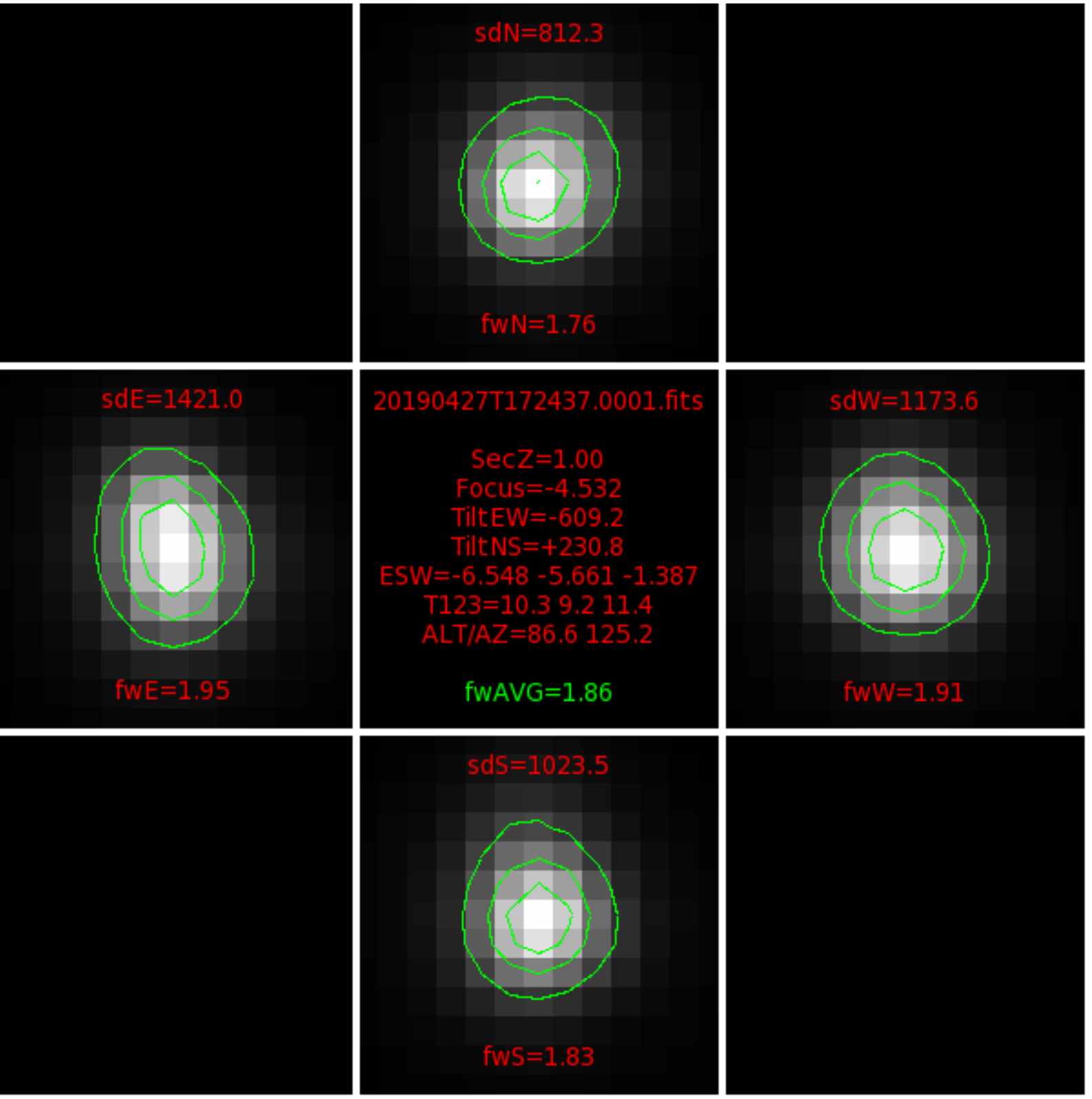
sdN=812.3
fwN=1.76
sdE=1421.0
fwE=1.95
20190427T172437.0001.fits
SecZ=1.00
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.2 11.4
ALT/AZ=86.6 125.2
fwAVG=1.86
sdW=1173.6
fwW=1.91
sdS=1023.5
fwS=1.83
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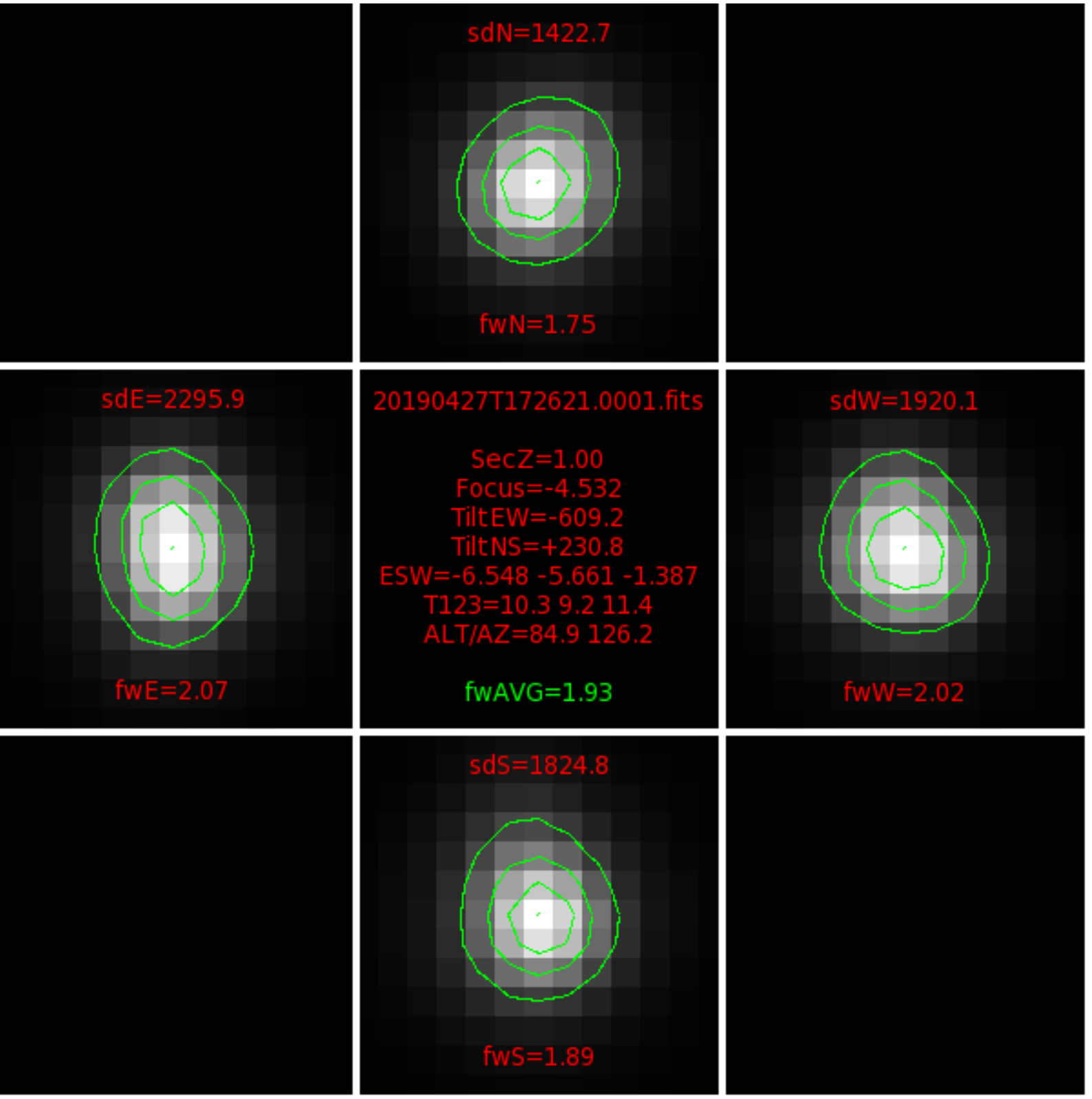
sdN=1422.7
fwN=1.75
sdE=2295.9
fwE=2.07
20190427T172621.0001.fits
SecZ=1.00
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.2 11.4
ALT/AZ=84.9 126.2
fwAVG=1.93
sdW=1920.1
fwW=2.02
sdS=1824.8
fwS=1.89
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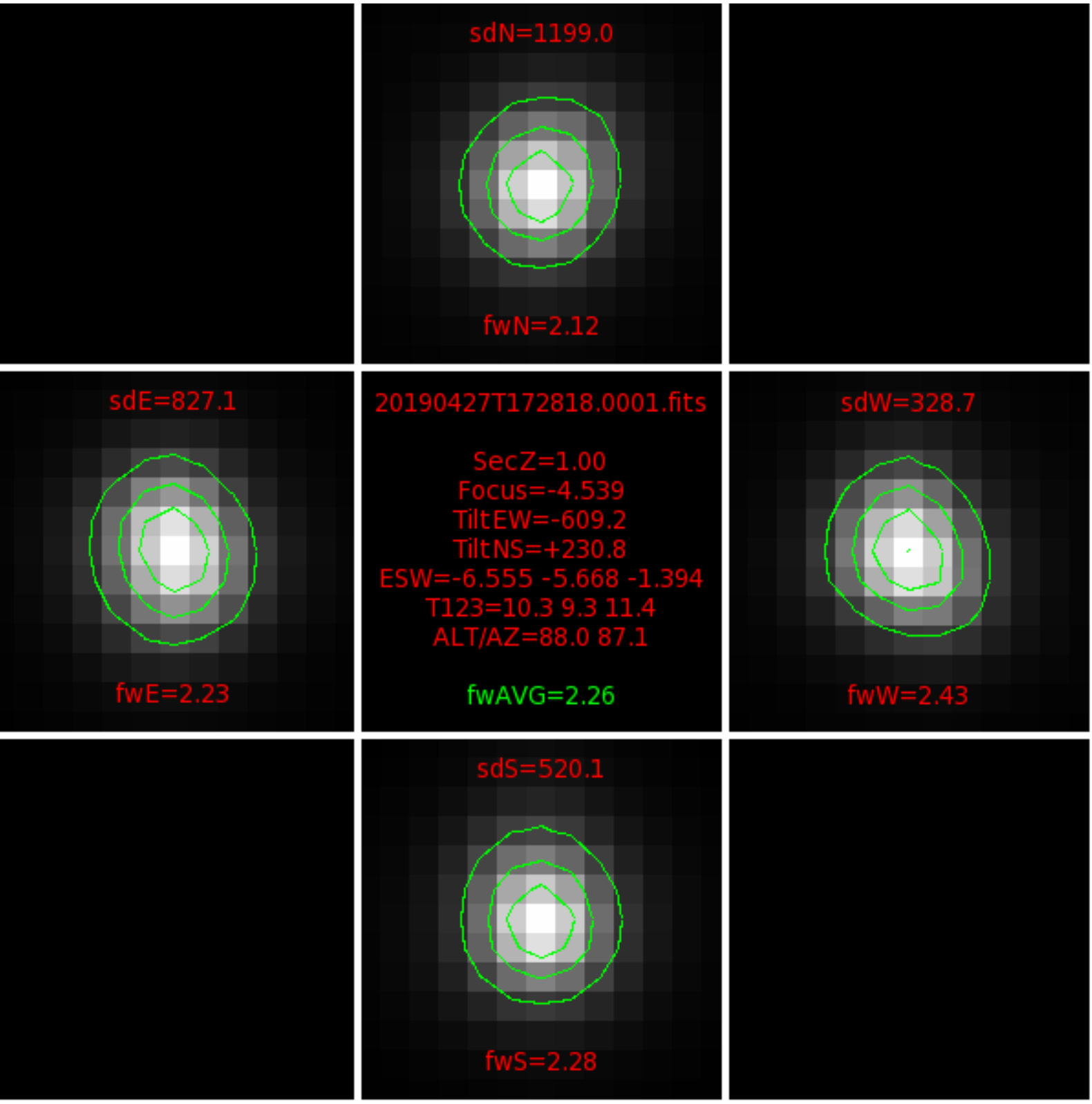
sdN=1199.0
fwN=2.12
sdE=827.1
fwE=2.23
20190427T172818.0001.fits
SecZ=1.00
Focus=-4.539
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.555 -5.668 -1.394
T123=10.3 9.3 11.4
ALT/AZ=88.0 87.1
fwAVG=2.26
sdW=328.7
fwW=2.43
sdS=520.1
fwS=2.28
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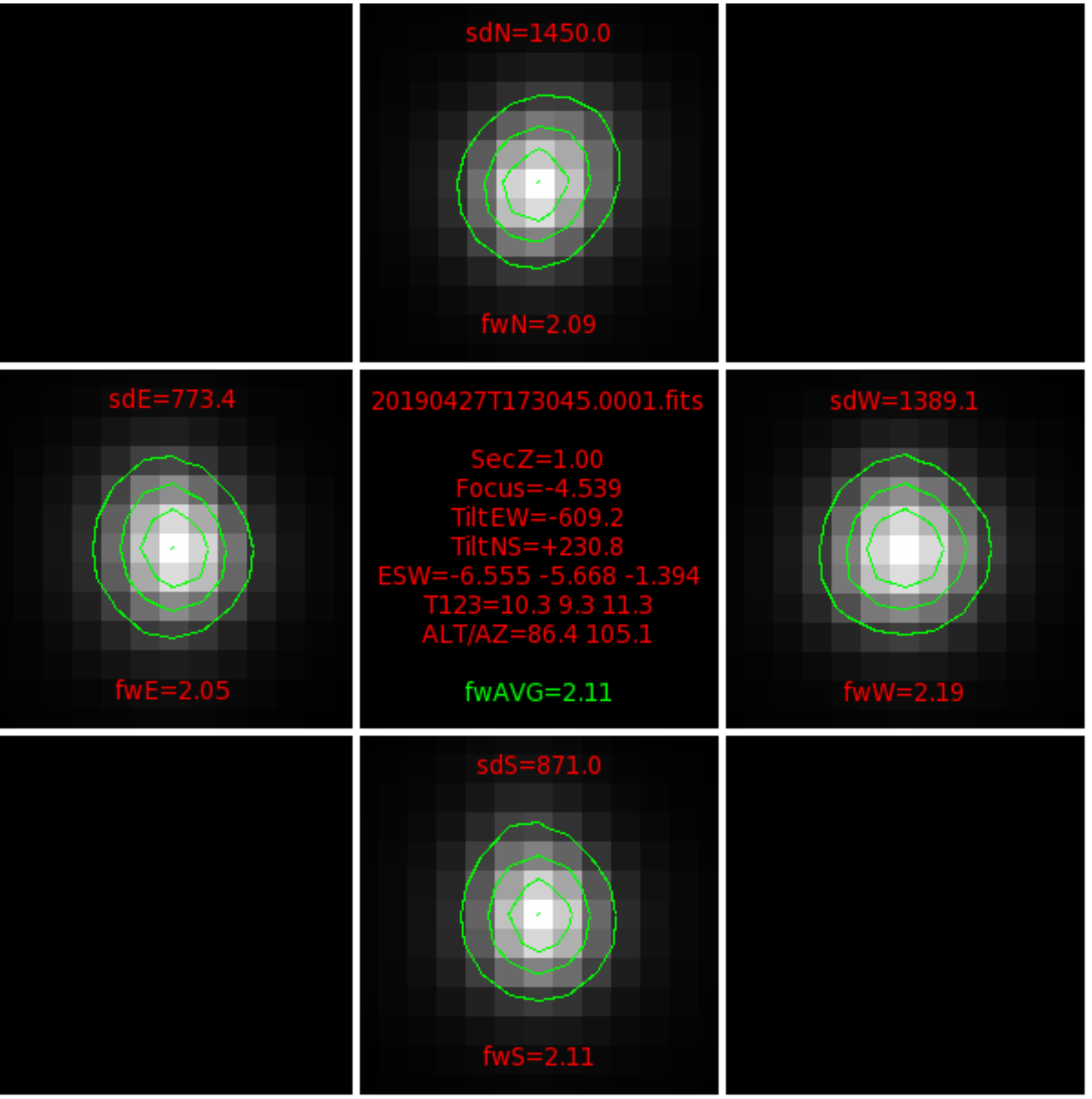
sdN=1450.0
fwN=2.09
sdE=773.4
fwE=2.05
20190427T173045.0001.fits
SecZ=1.00
Focus=-4.539
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.555 -5.668 -1.394
T123=10.3 9.3 11.3
ALT/AZ=86.4 105.1
fwAVG=2.11
sdW=1389.1
fwW=2.19
sdS=871.0
fwS=2.11
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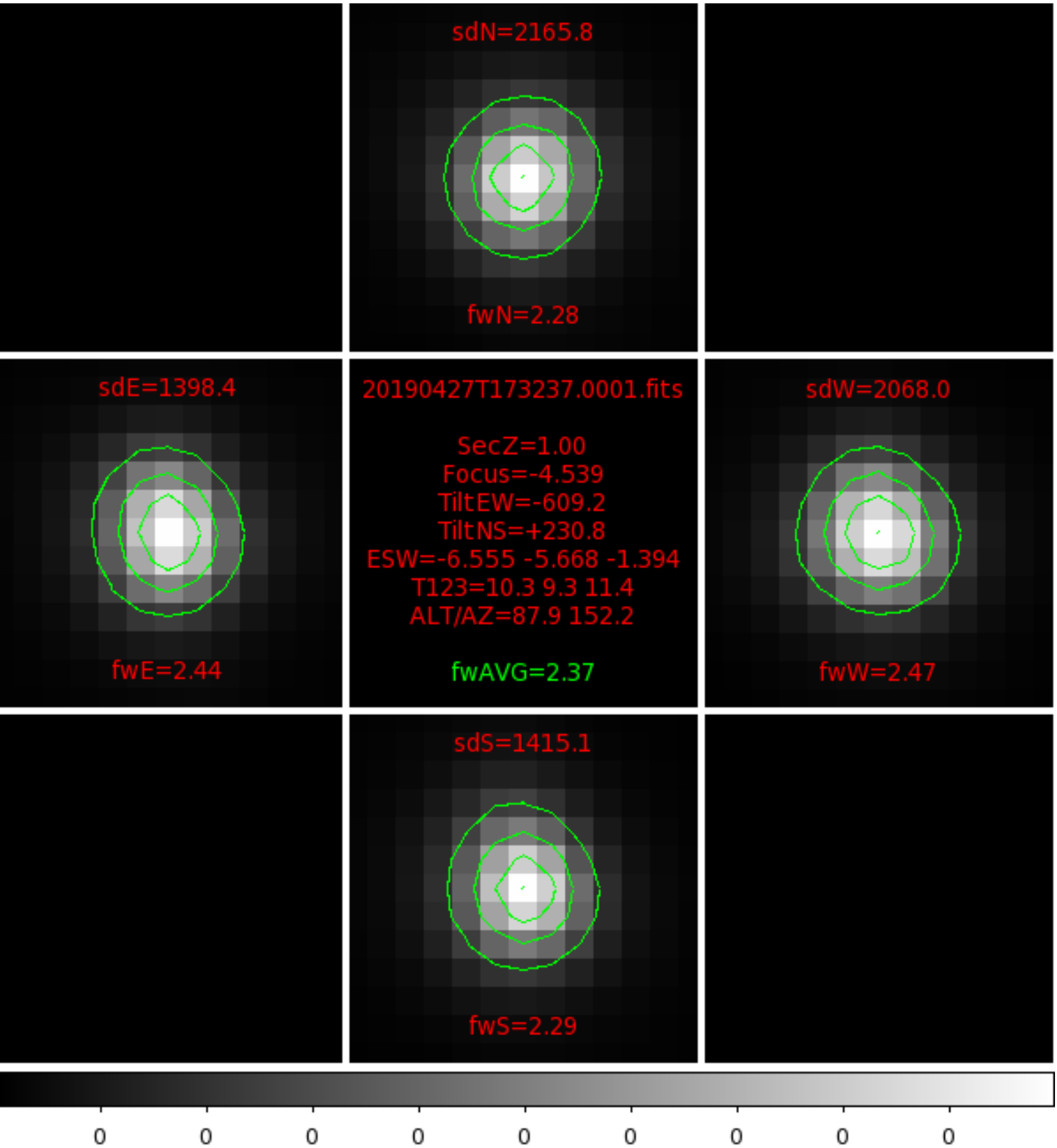
sdN=2165.8
fwN=2.28
sdE=1398.4
fwE=2.44
20190427T173237.0001.fits
SecZ=1.00
Focus=-4.539
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.555 -5.668 -1.394
T123=10.3 9.3 11.4
ALT/AZ=87.9 152.2
fwAVG=2.37
sdW=2068.0
fwW=2.47
sdS=1415.1
fwS=2.29
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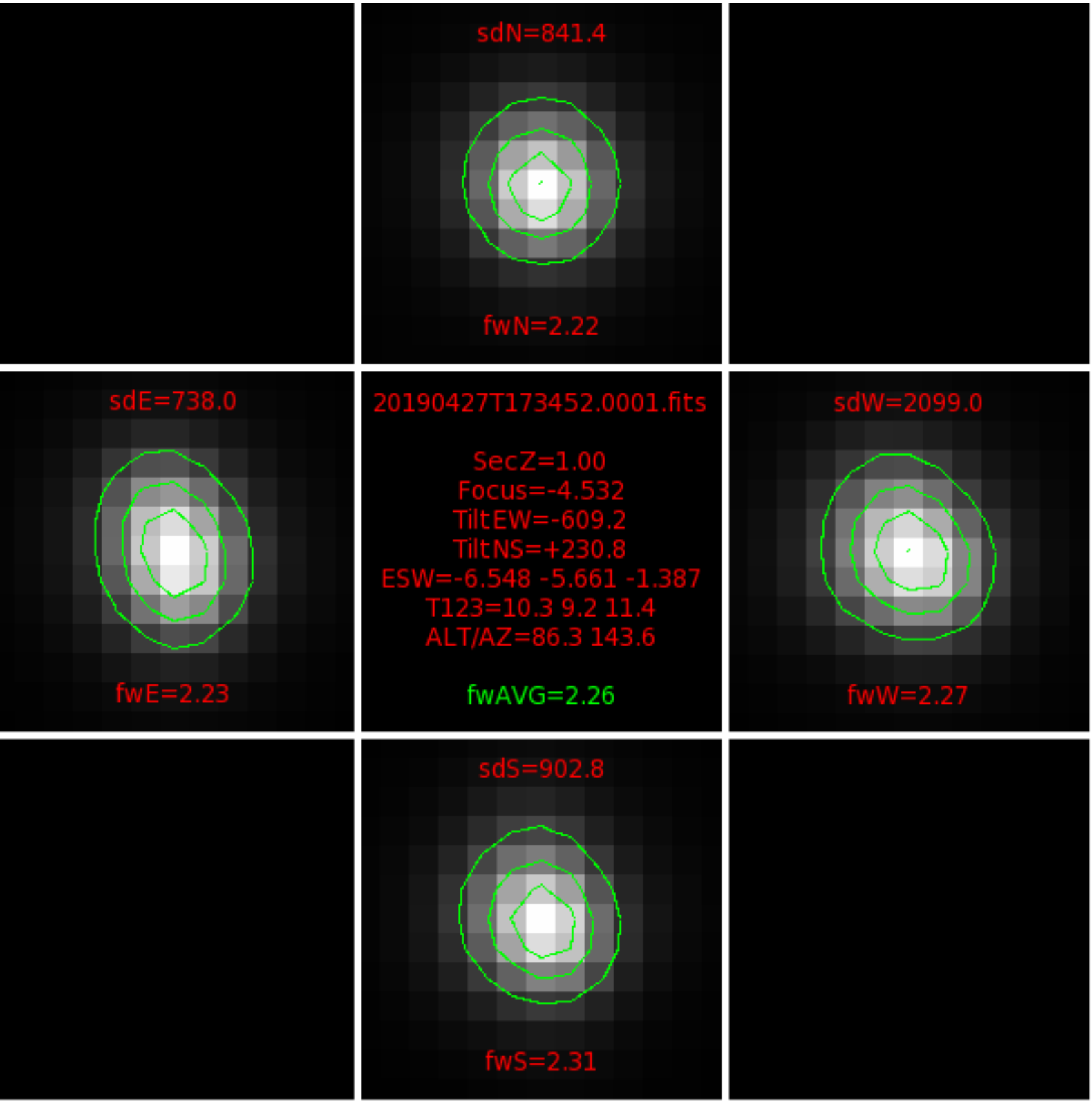
sdN=841.4
fwN=2.22
sdE=738.0
fwE=2.23
20190427T173452.0001.fits
SecZ=1.00
Focus=-4.532
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.548 -5.661 -1.387
T123=10.3 9.2 11.4
ALT/AZ=86.3 143.6
fwAVG=2.26
sdW=2099.0
fwW=2.27
sdS=902.8
fwS=2.31
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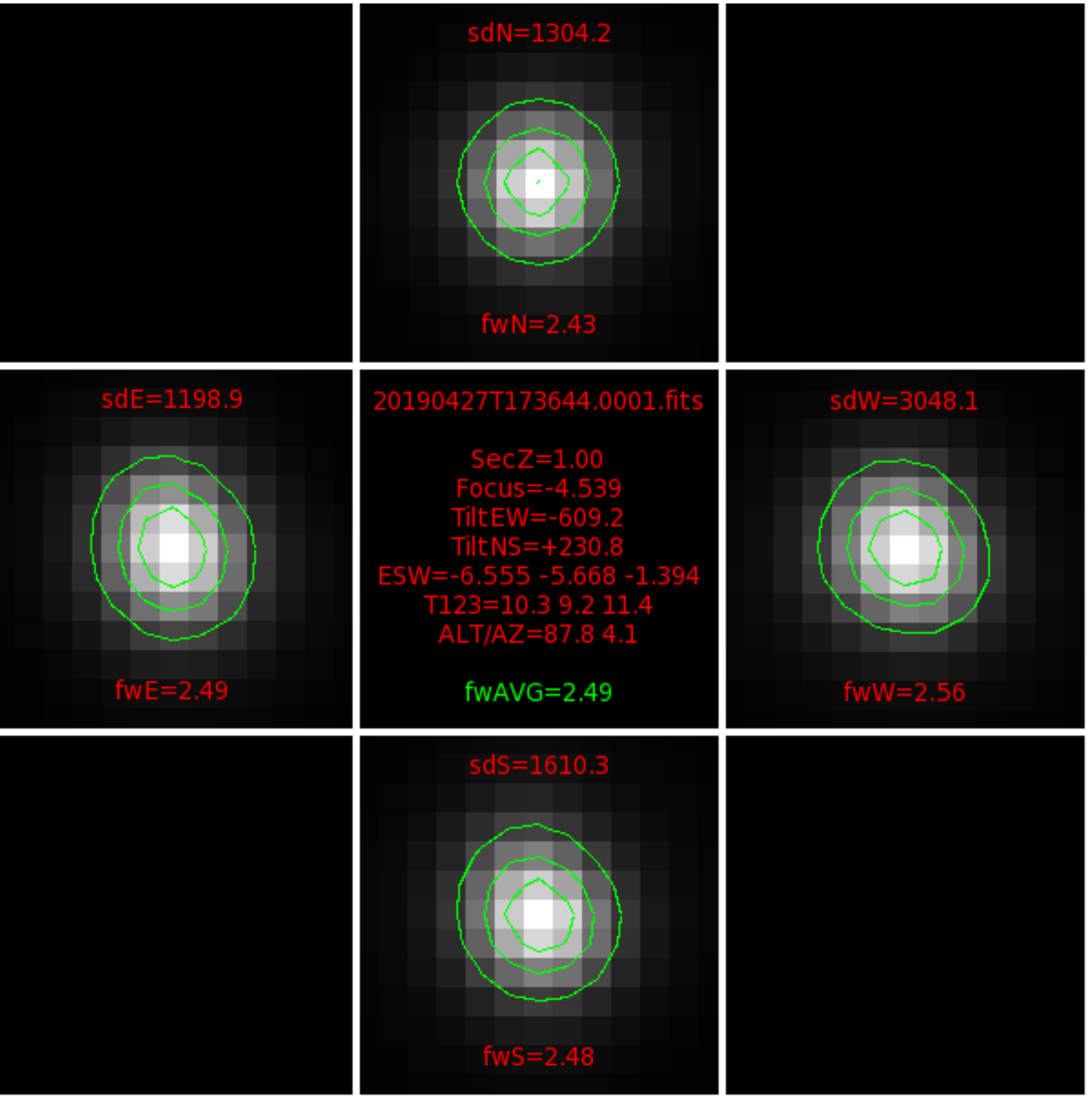
sdN=1304.2
fwN=2.43
sdE=1198.9
fwE=2.49
20190427T173644.0001.fits
SecZ=1.00
Focus=-4.539
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.555 -5.668 -1.394
T123=10.3 9.2 11.4
ALT/AZ=87.8 4.1
fwAVG=2.49
sdW=3048.1
fwW=2.56
sdS=1610.3
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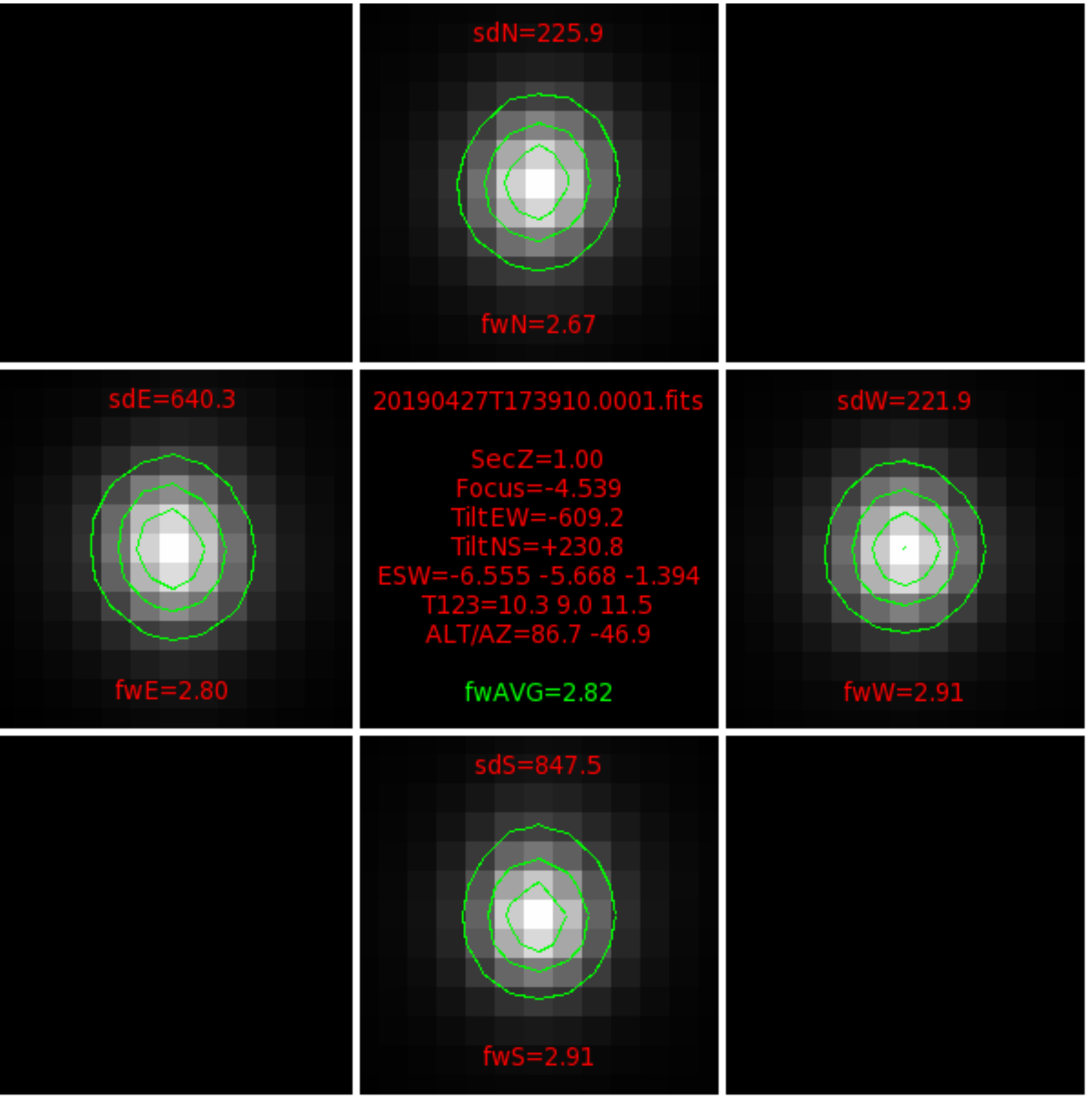
sdN=225.9
fwN=2.67
sdE=640.3
fwE=2.80
20190427T173910.0001.fits
SecZ=1.00
Focus=-4.539
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.555 -5.668 -1.394
T123=10.3 9.0 11.5
ALT/AZ=86.7 -46.9
fwAVG=2.82
sdW=221.9
fwW=2.91
sdS=847.5
fwS=2.91
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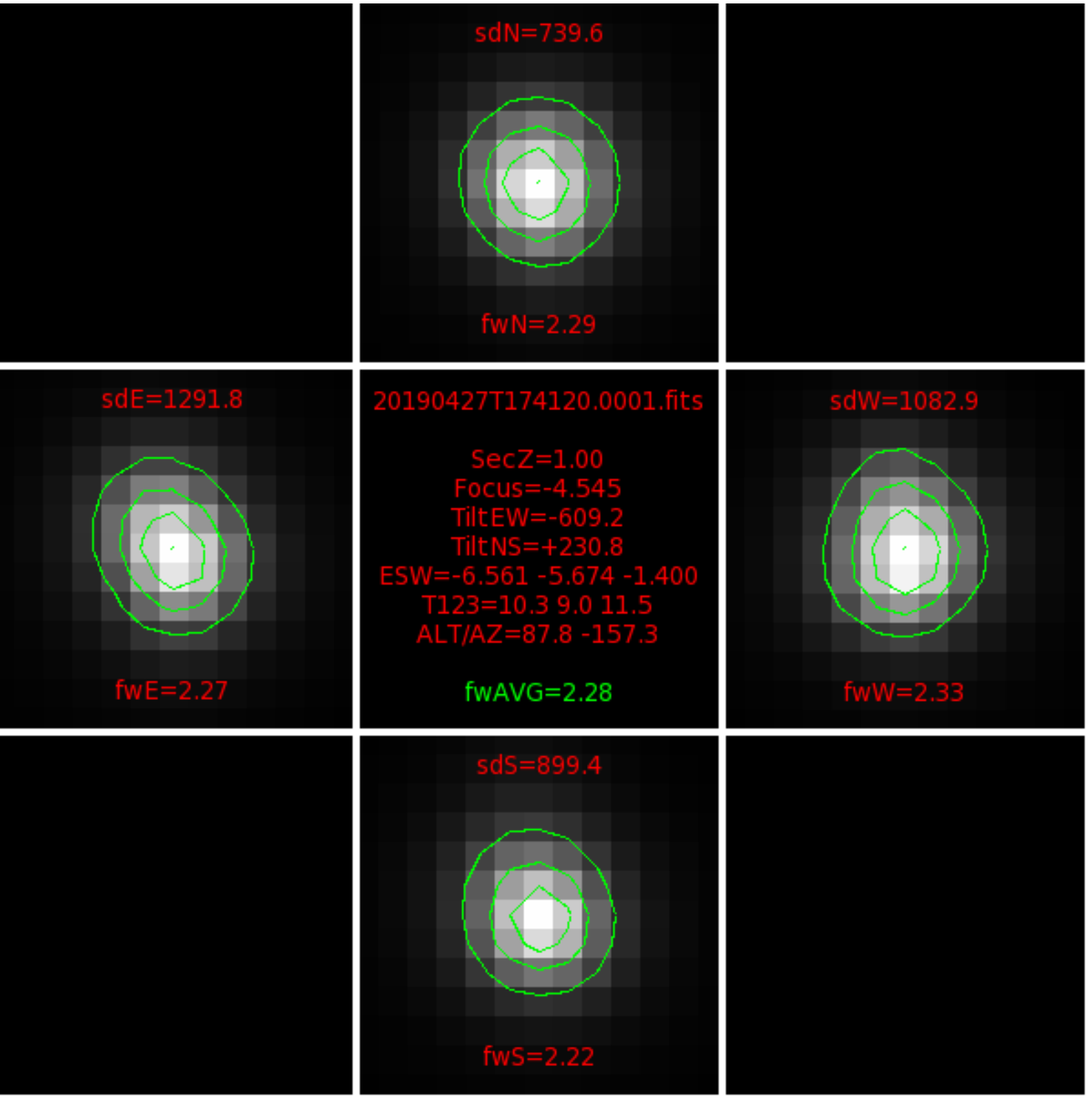
sdN=739.6
fwN=2.29
sdE=1291.8
fwE=2.27
20190427T174120.0001.fits
SecZ=1.00
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.3 9.0 11.5
ALT/AZ=87.8 -157.3
fwAVG=2.28
sdW=1082.9
fwW=2.33
sdS=899.4
fwS=2.22
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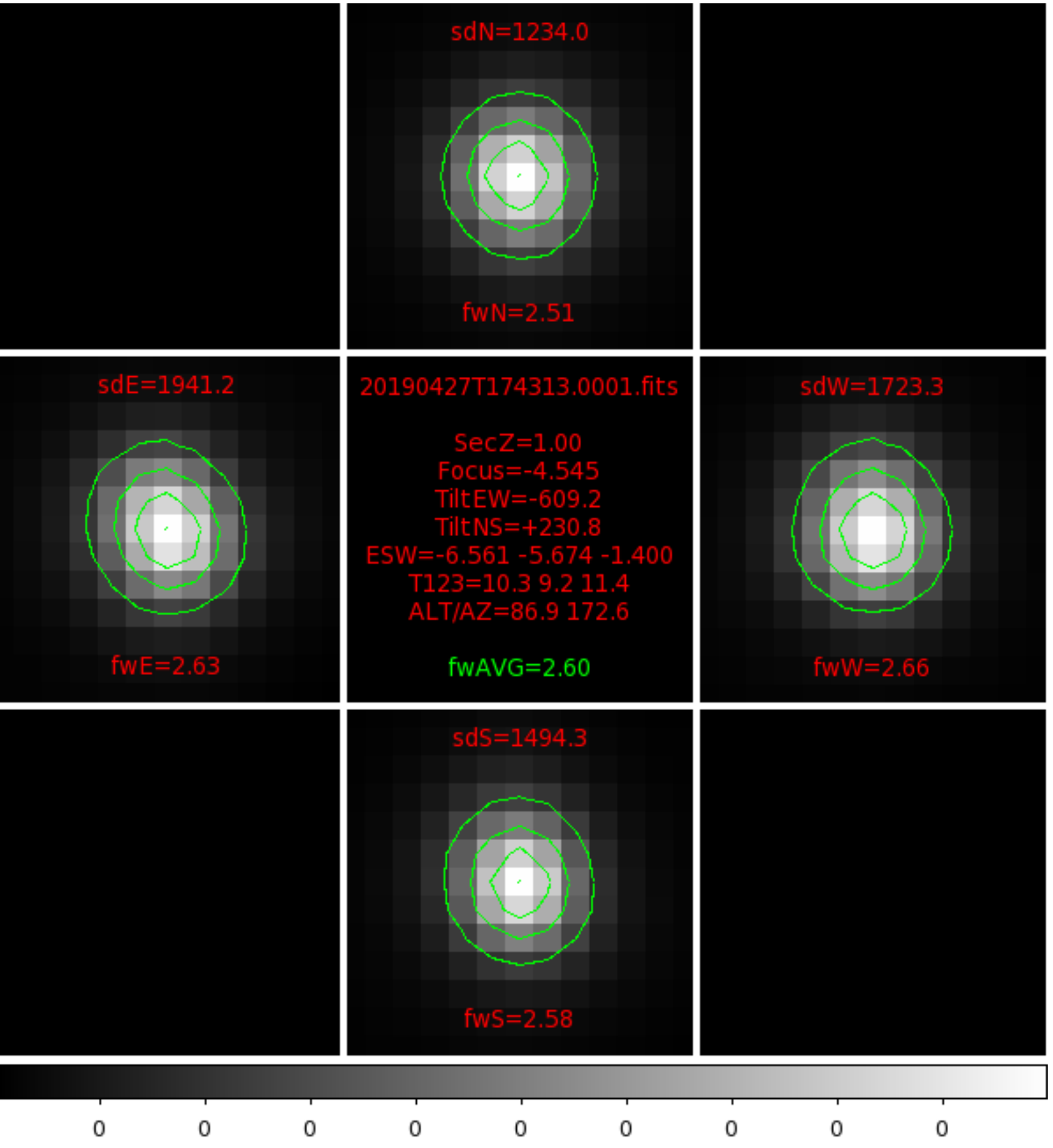
sdN=1234.0
fwN=2.51
sdE=1941.2
fwE=2.63
20190427T174313.0001.fits
SecZ=1.00
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.3 9.2 11.4
ALT/AZ=86.9 172.6
fwAVG=2.60
sdW=1723.3
fwW=2.66
sdS=1494.3
fwS=2.58
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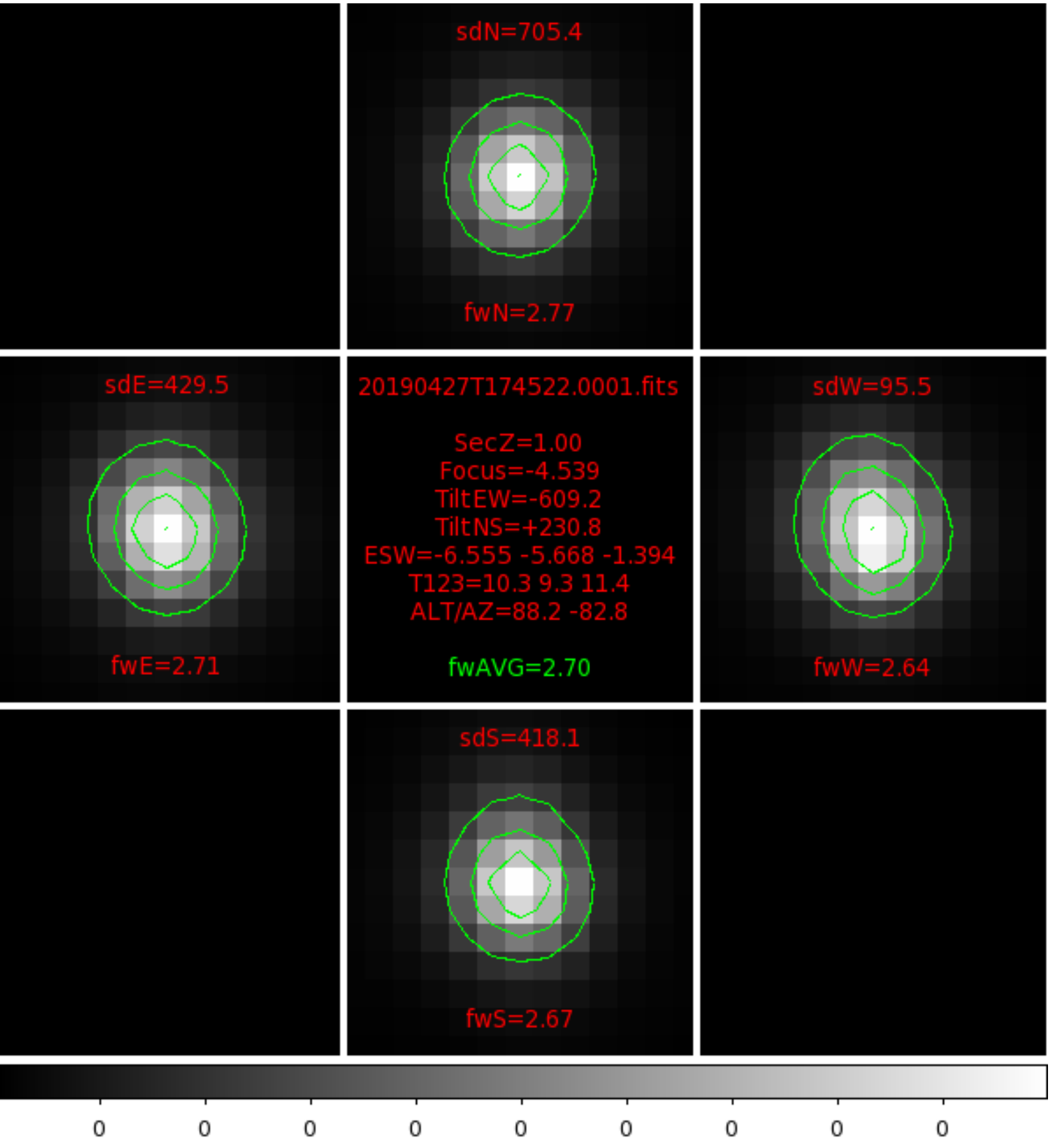
sdN=705.4
fwN=2.77
sdE=429.5
fwE=2.71
20190427T174522.0001.fits
SecZ=1.00
Focus=-4.539
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.555 -5.668 -1.394
T123=10.3 9.3 11.4
ALT/AZ=88.2 -82.8
fwAVG=2.70
sdW=95.5
fwW=2.64
sdS=418.1
fwS=2.67
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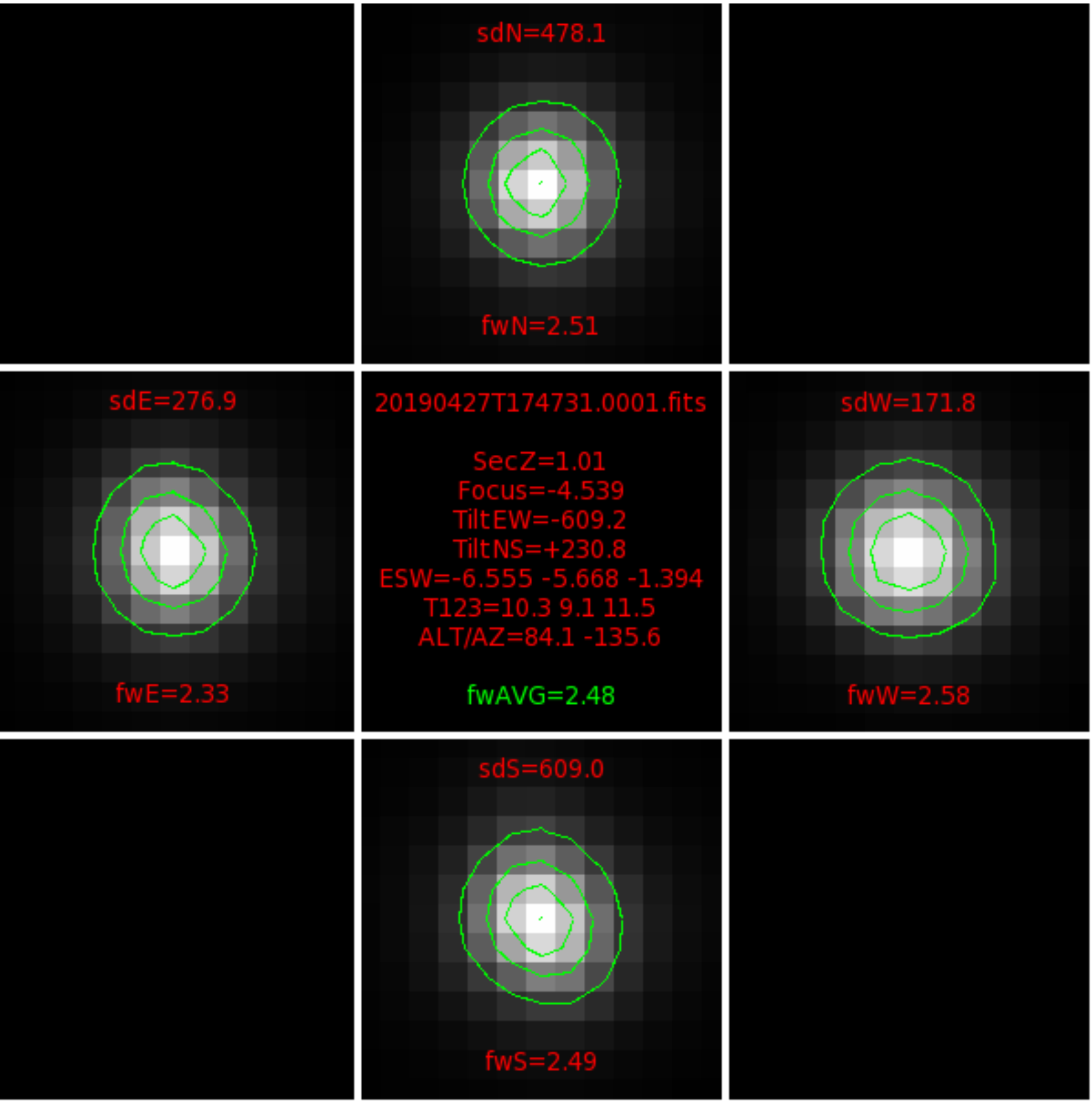
sdN=478.1
fwN=2.51
sdE=276.9
fwE=2.33
20190427T174731.0001.fits
SecZ=1.01
Focus=-4.539
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.555 -5.668 -1.394
T123=10.3 9.1 11.5
ALT/AZ=84.1 -135.6
fwAVG=2.48
sdW=171.8
fwW=2.58
sdS=609.0
fwS=2.49
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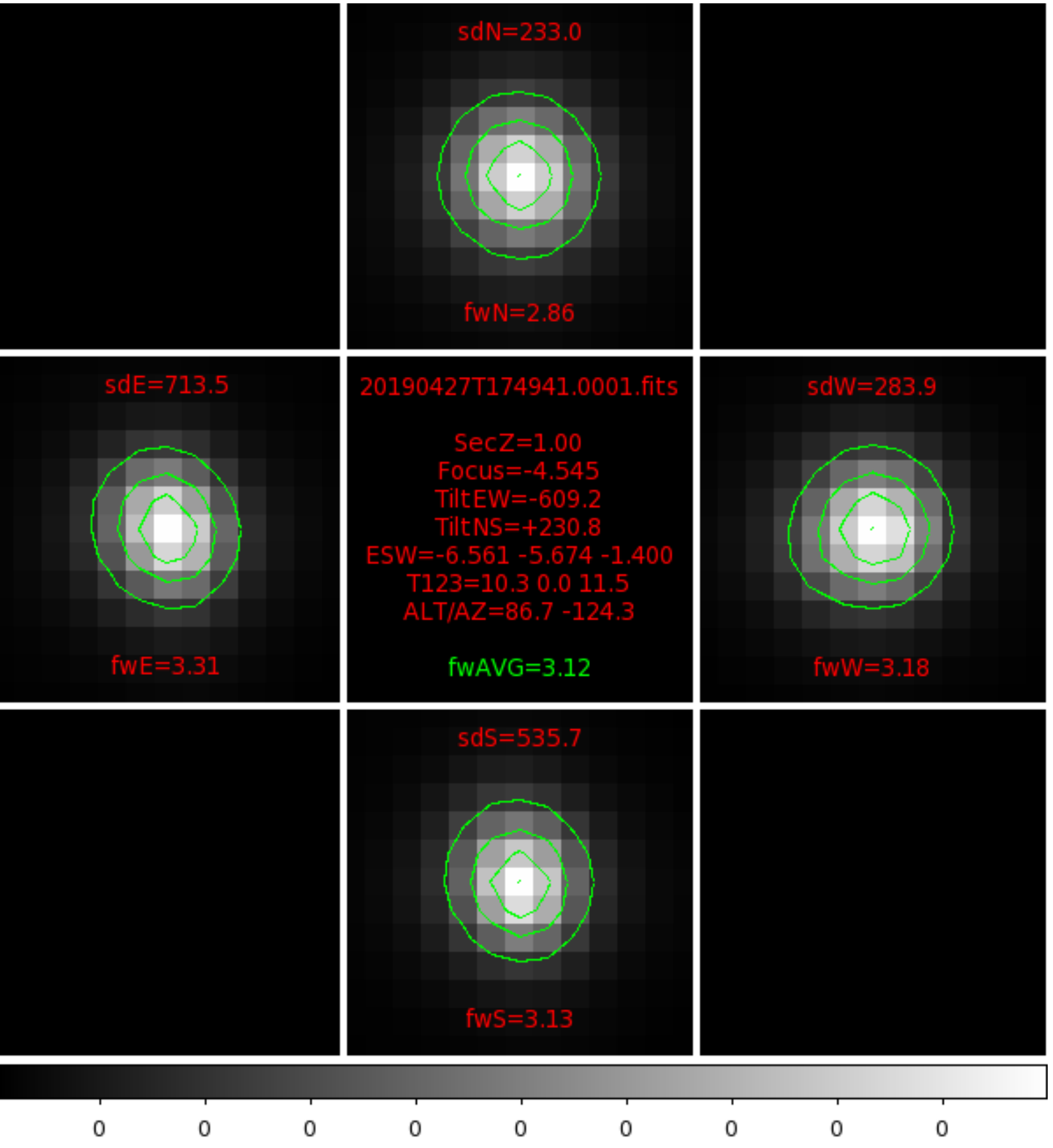
sdN=233.0
fwN=2.86
sdE=713.5
fwE=3.31
20190427T174941.0001.fits
SecZ=1.00
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.3 0.0 11.5
ALT/AZ=86.7 -124.3
fwAVG=3.12
sdW=283.9
fwW=3.18
sdS=535.7
fwS=3.13
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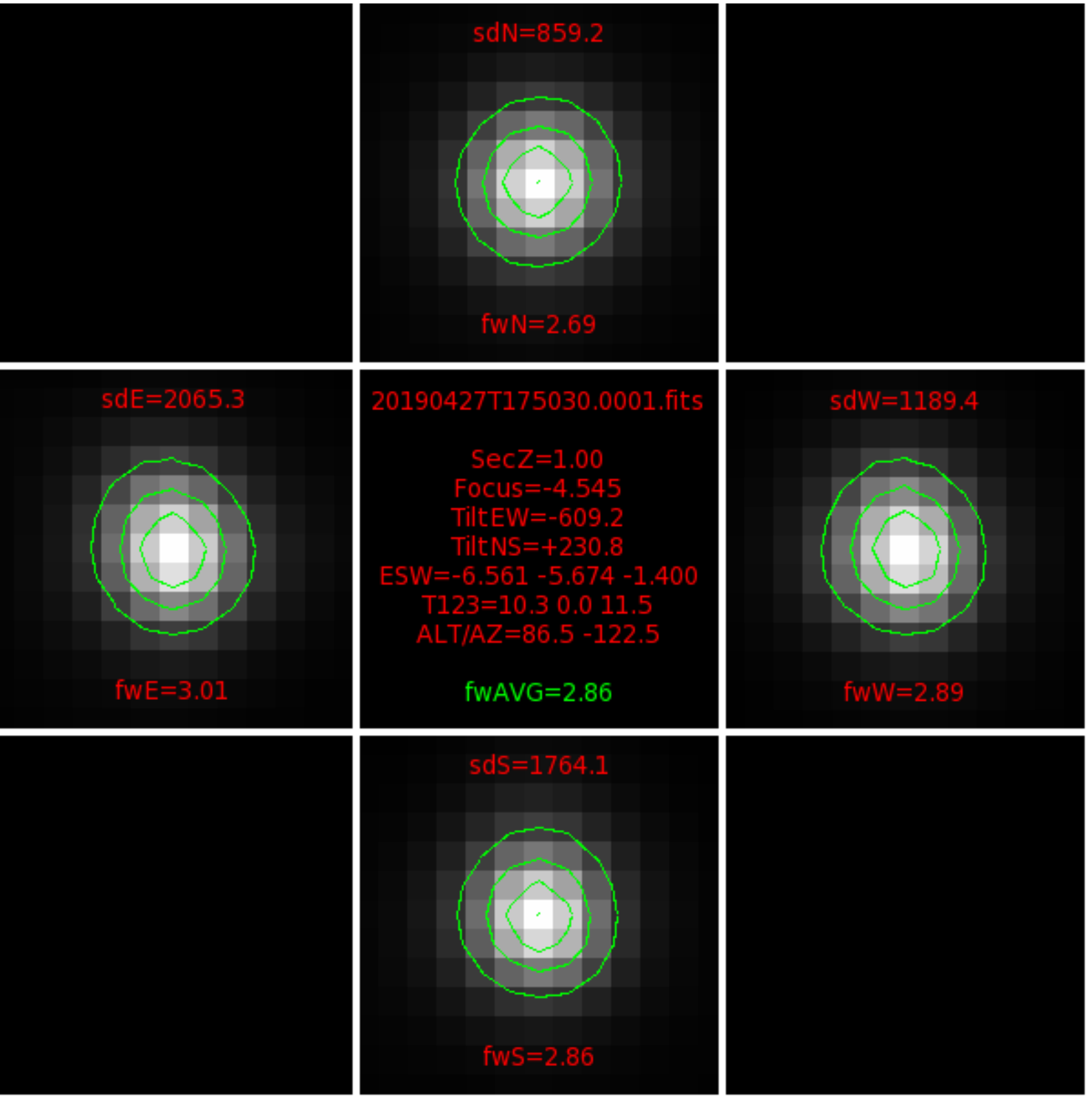
sdN=859.2
fwN=2.69
sdE=2065.3
fwE=3.01
20190427T175030.0001.fits
SecZ=1.00
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.3 0.0 11.5
ALT/AZ=86.5 -122.5
fwAVG=2.86
sdW=1189.4
fwW=2.89
sdS=1764.1
fwS=2.86
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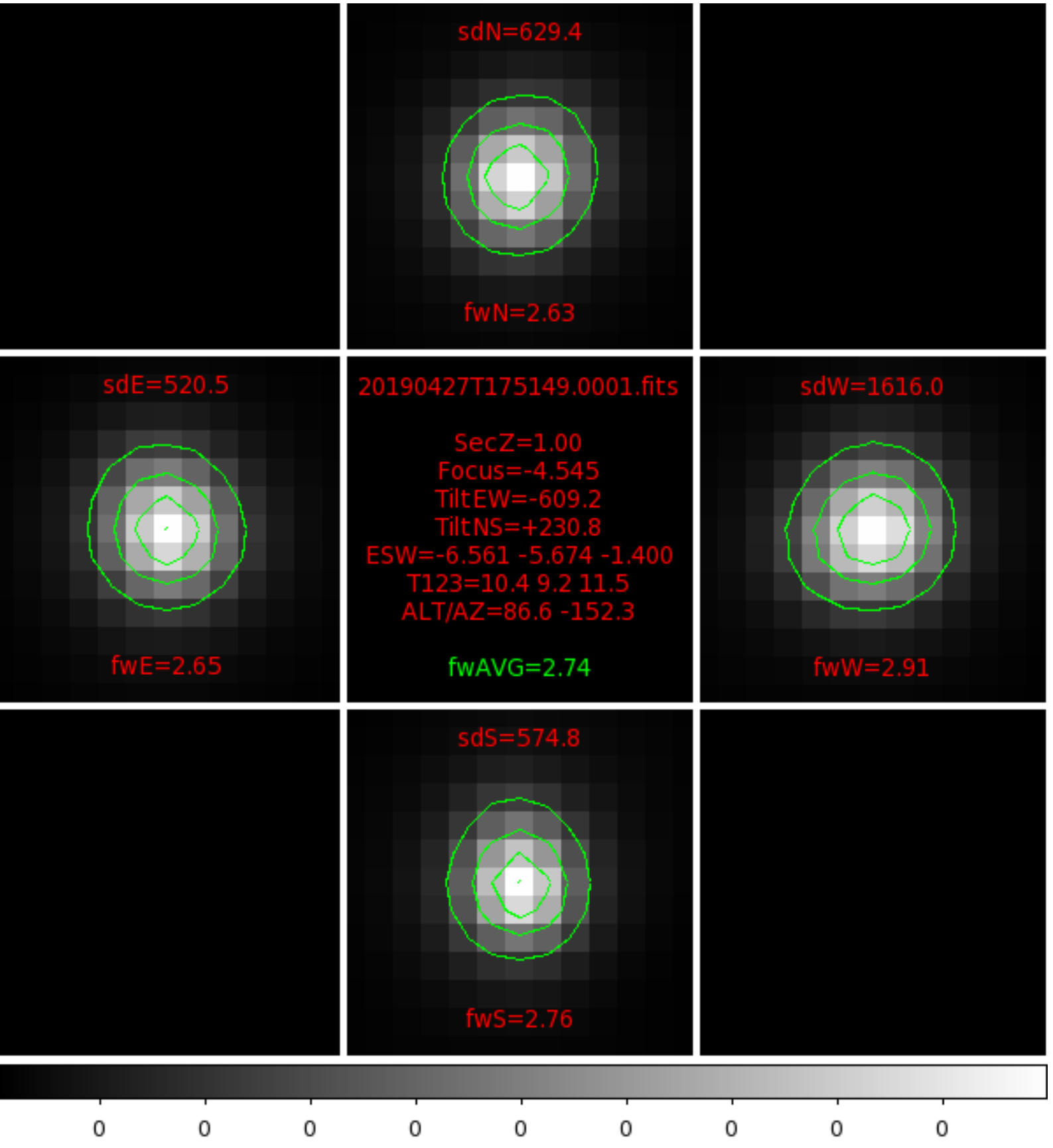
sdN=629.4
fwN=2.63
sdE=520.5
fwE=2.65
20190427T175149.0001.fits
SecZ=1.00
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.4 9.2 11.5
ALT/AZ=86.6 -152.3
fwAVG=2.74
sdW=1616.0
fwW=2.91
sdS=574.8
fwS=2.76
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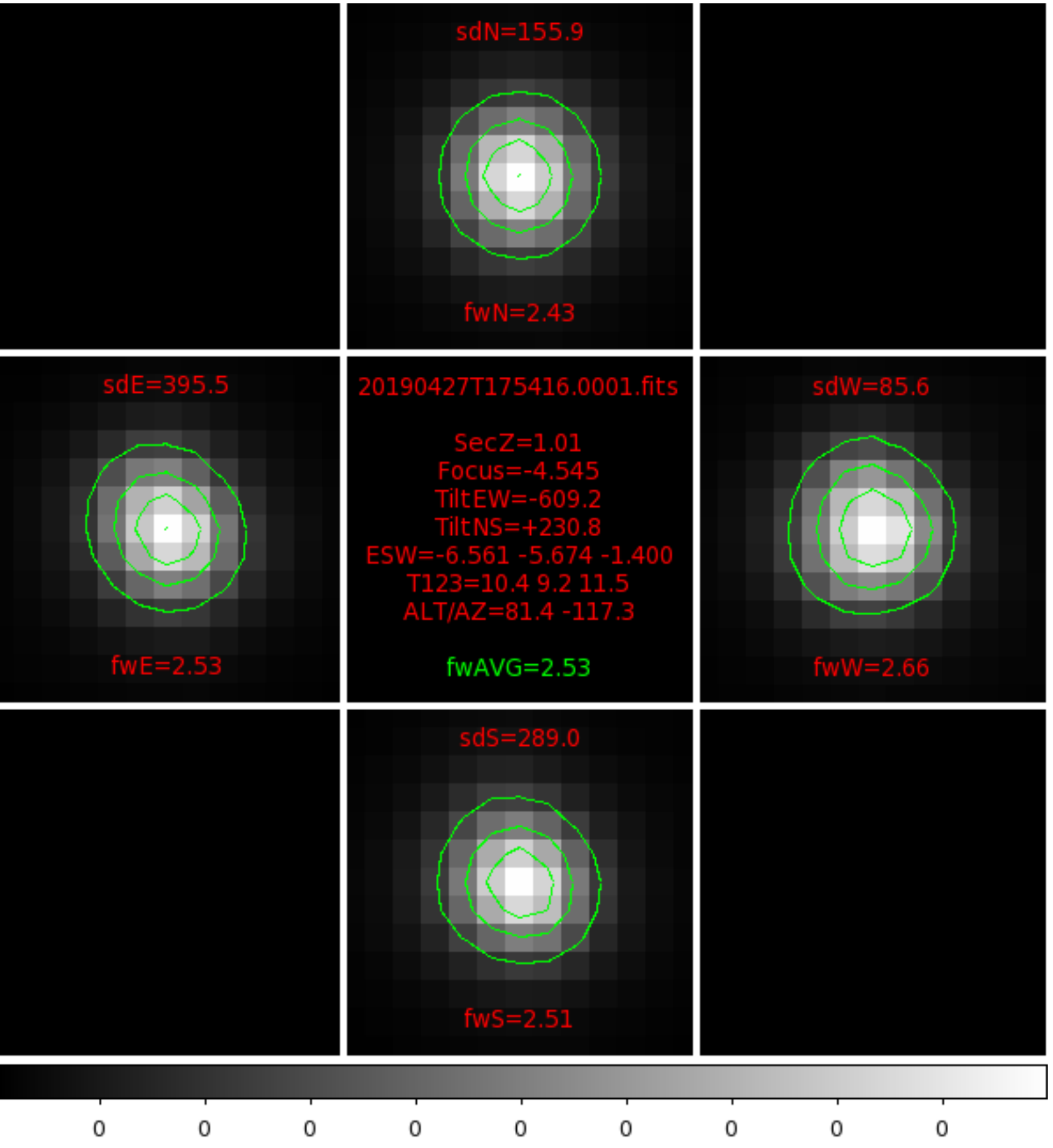
sdN=155.9
fwN=2.43
sdE=395.5
fwE=2.53
20190427T175416.0001.fits
SecZ=1.01
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.4 9.2 11.5
ALT/AZ=81.4 -117.3
fwAVG=2.53
sdW=85.6
fwW=2.66
sdS=289.0
fwS=2.51
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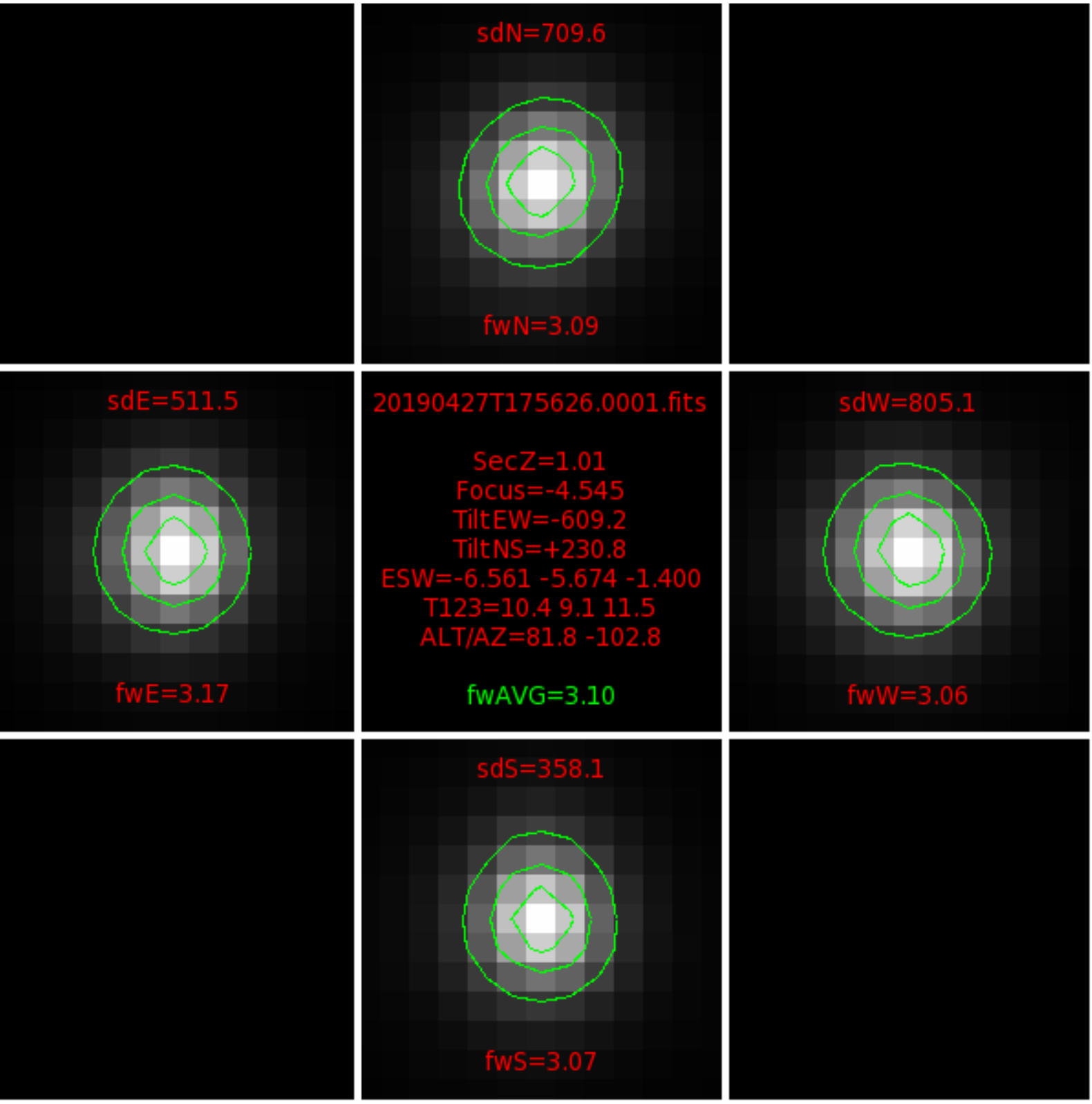
sdN=709.6
fwN=3.09
sdE=511.5
fwE=3.17
20190427T175626.0001.fits
SecZ=1.01
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.4 9.1 11.5
ALT/AZ=81.8 -102.8
fwAVG=3.10
sdW=805.1
fwW=3.06
sdS=358.1
fwS=3.07
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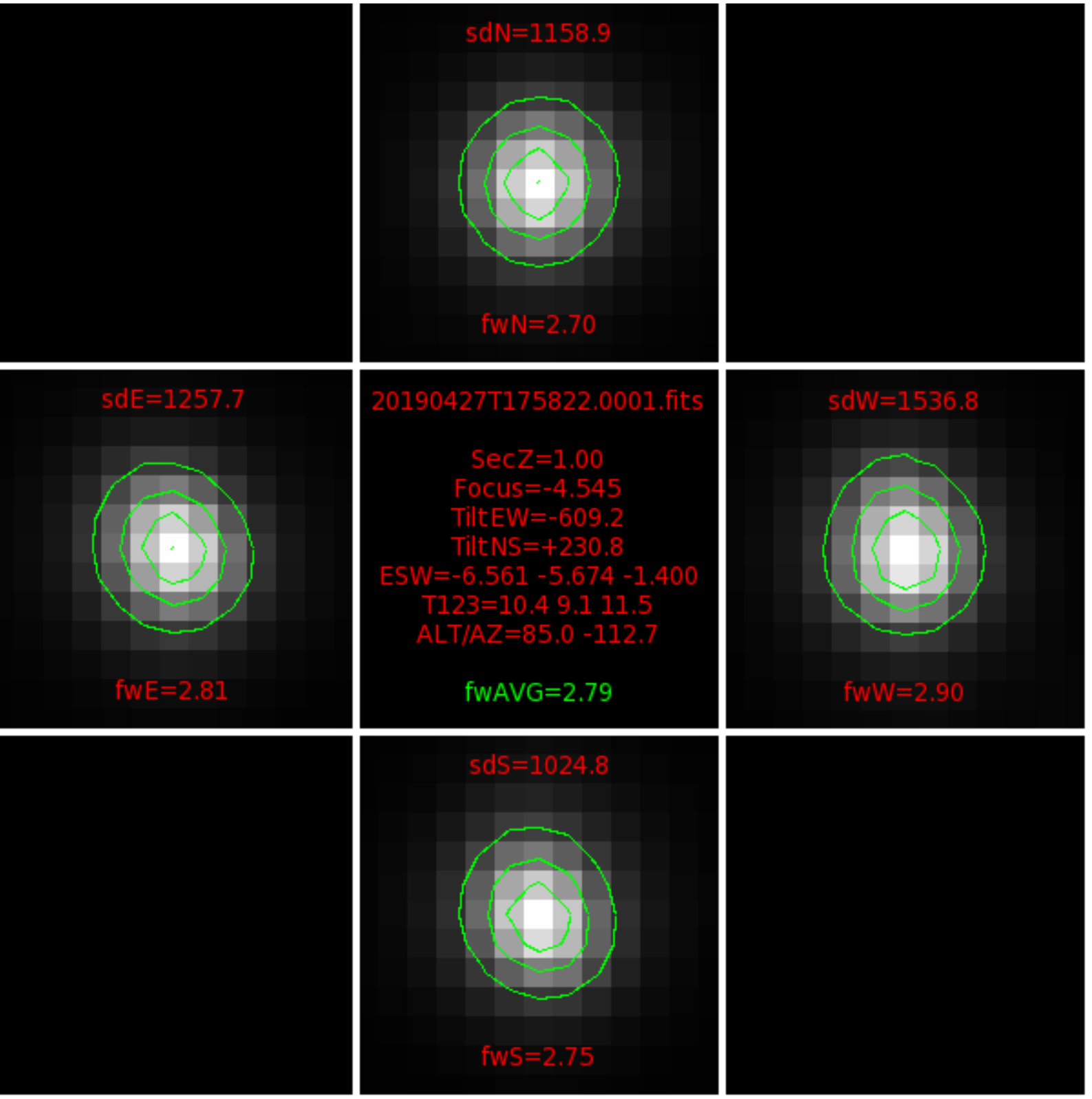
sdN=1158.9
fwN=2.70
sdE=1257.7
fwE=2.81
20190427T175822.0001.fits
SecZ=1.00
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.4 9.1 11.5
ALT/AZ=85.0 -112.7
fwAVG=2.79
sdW=1536.8
fwW=2.90
sdS=1024.8
fwS=2.75
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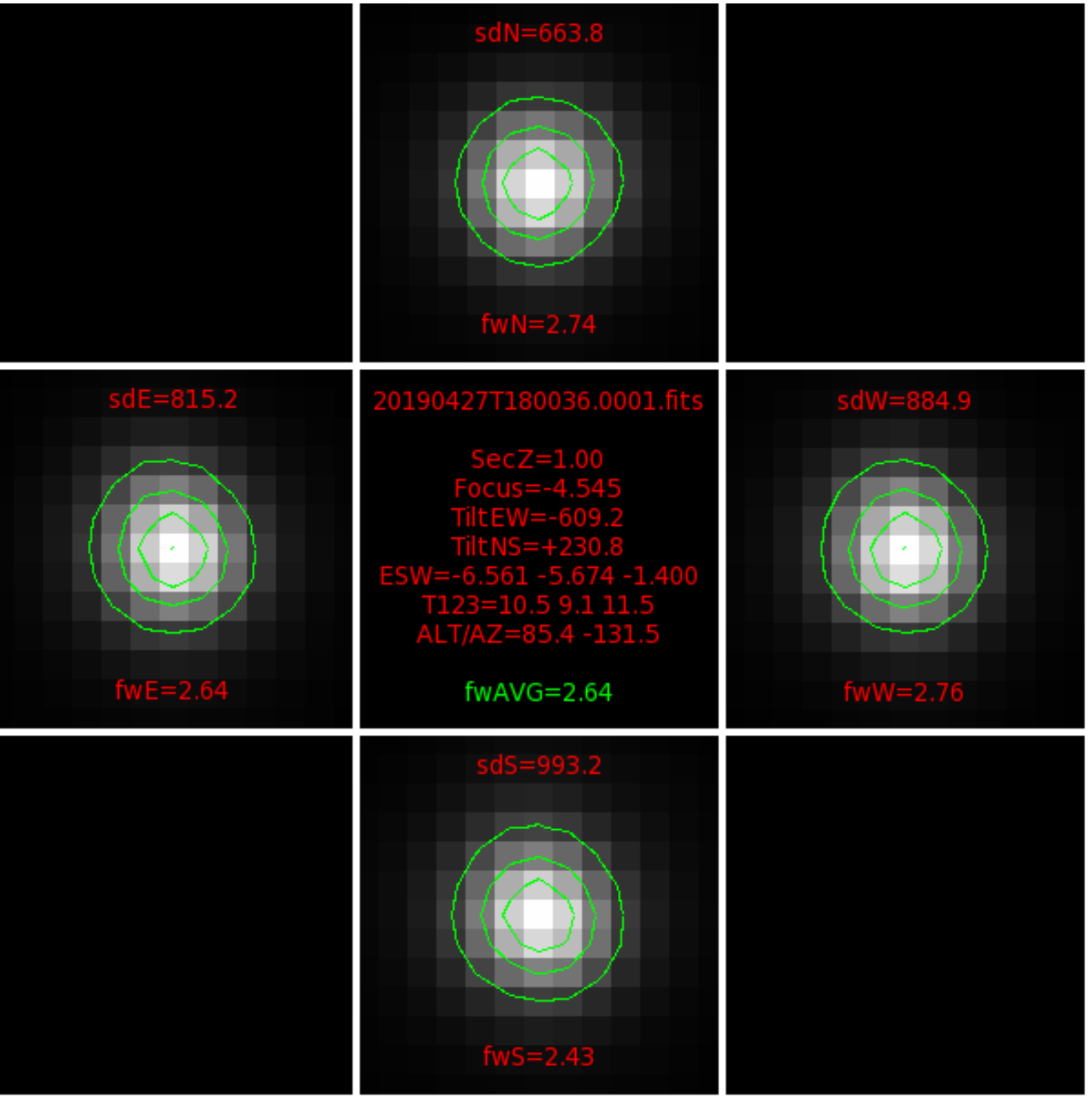
sdN=663.8
fwN=2.74
sdE=815.2
fwE=2.64
20190427T180036.0001.fits
SecZ=1.00
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.5 9.1 11.5
ALT/AZ=85.4 -131.5
fwAVG=2.64
sdW=884.9
fwW=2.76
sdS=993.2
fwS=2.43
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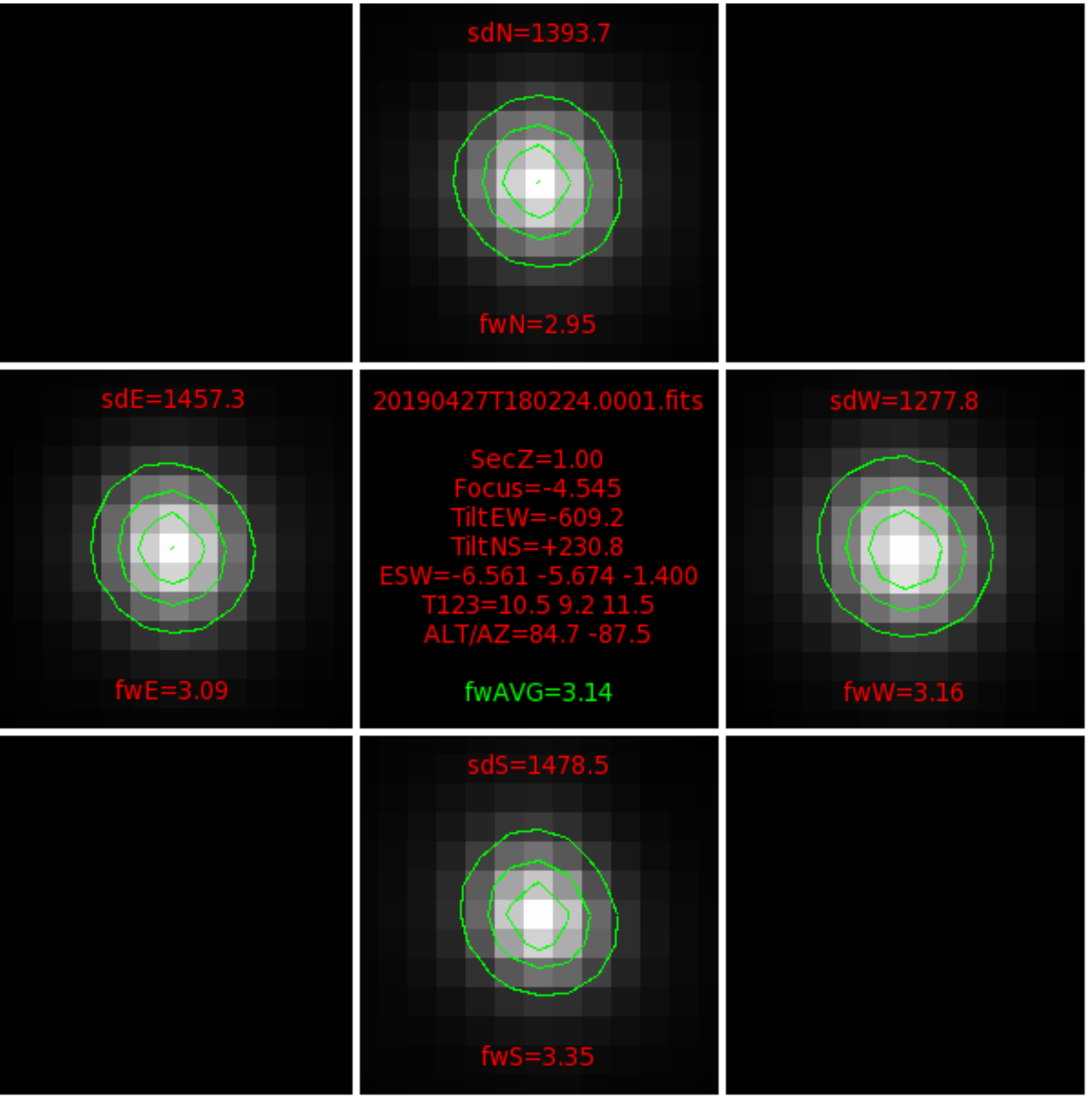
sdN=1393.7
fwN=2.95
sdE=1457.3
fwE=3.09
20190427T180224.0001.fits
SecZ=1.00
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.5 9.2 11.5
ALT/AZ=84.7 -87.5
fwAVG=3.14
sdW=1277.8
fwW=3.16
sdS=1478.5
fwS=3.35
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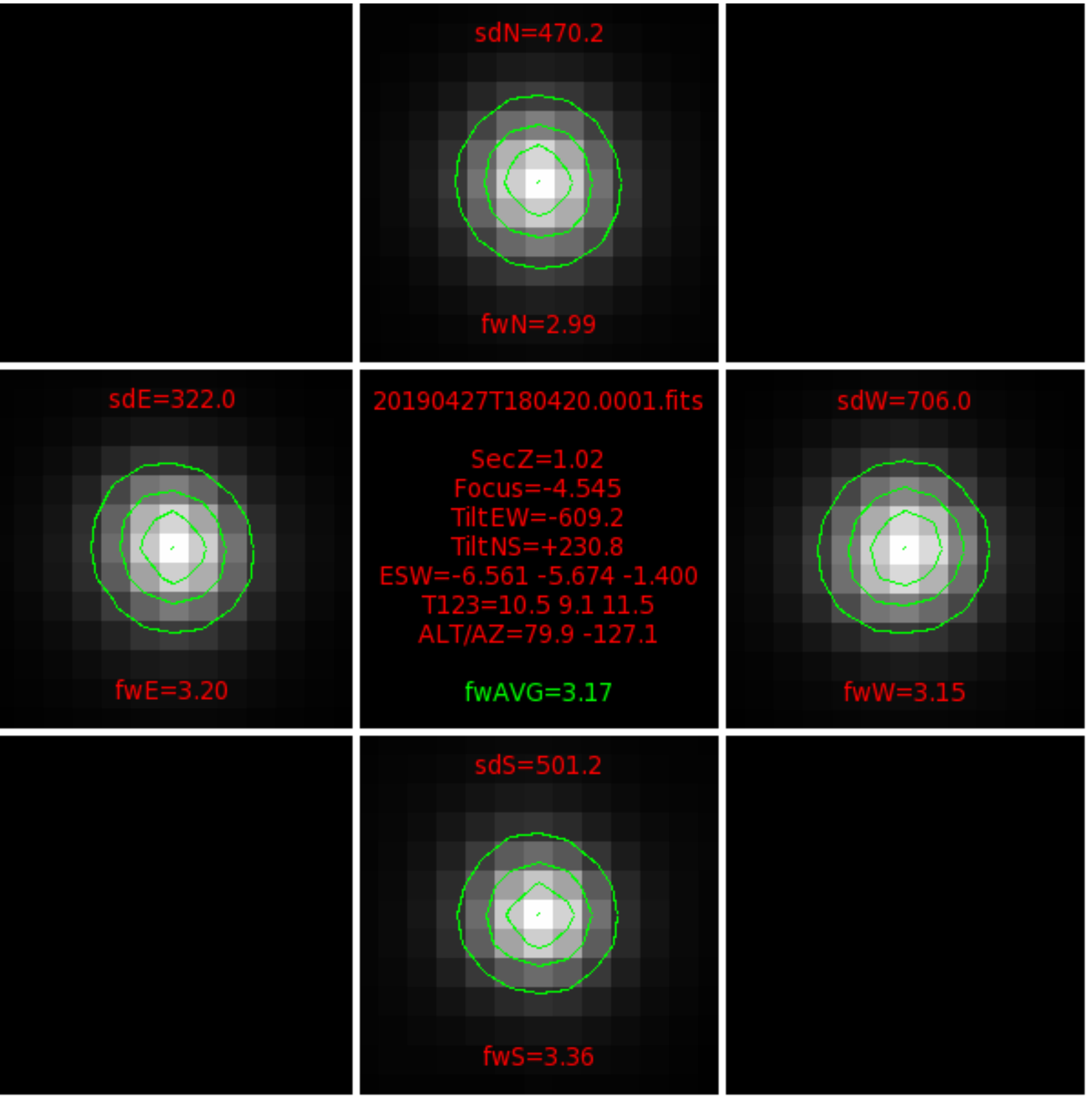
sdN=470.2
fwN=2.99
sdE=322.0
fwE=3.20
20190427T180420.0001.fits
SecZ=1.02
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.5 9.1 11.5
ALT/AZ=79.9 -127.1
fwAVG=3.17
sdW=706.0
fwW=3.15
sdS=501.2
fwS=3.36
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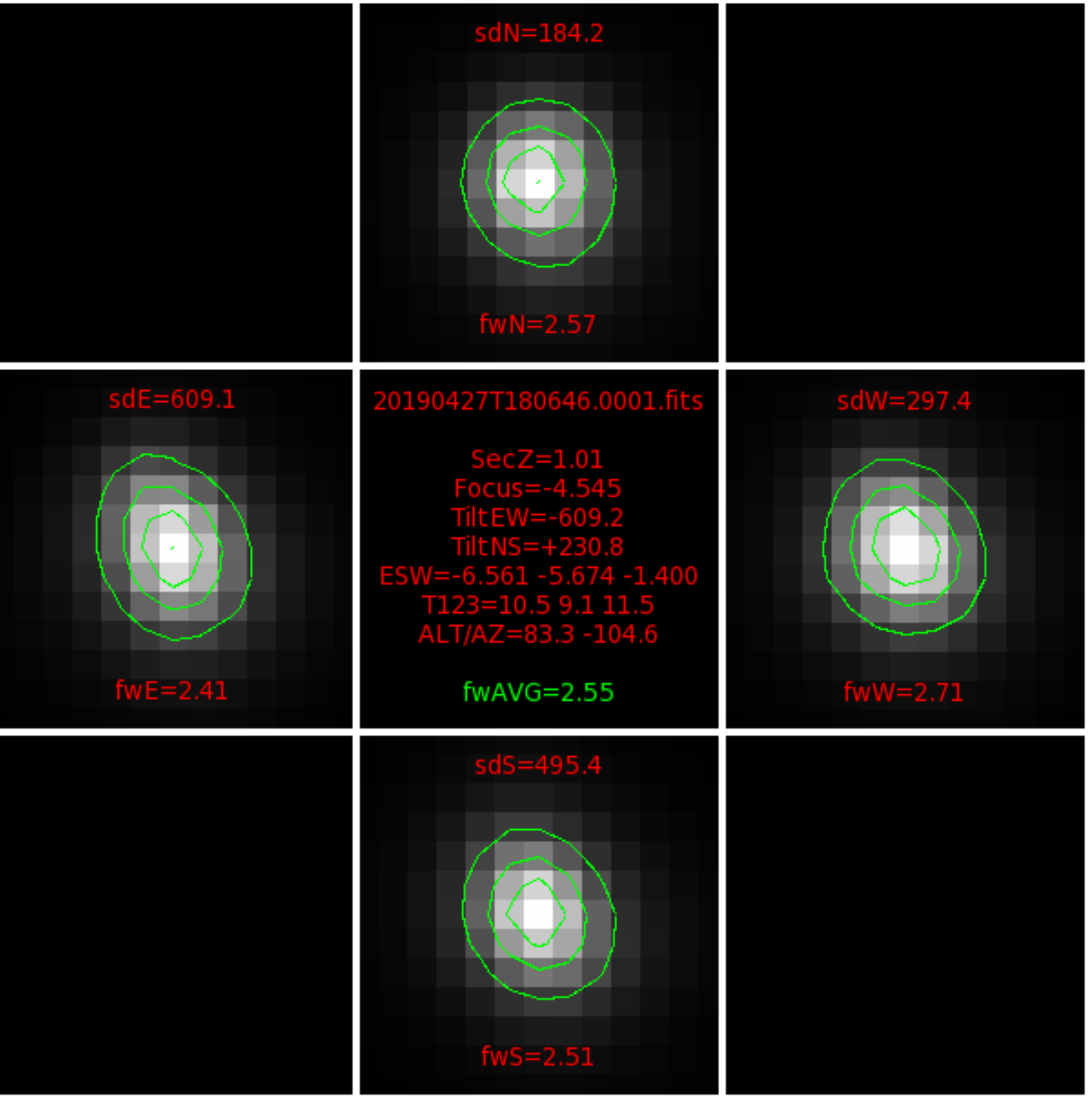
sdN=184.2
fwN=2.57
sdE=609.1
fwE=2.41
20190427T180646.0001.fits
SecZ=1.01
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.5 9.1 11.5
ALT/AZ=83.3 -104.6
fwAVG=2.55
sdW=297.4
fwW=2.71
sdS=495.4
fwS=2.51
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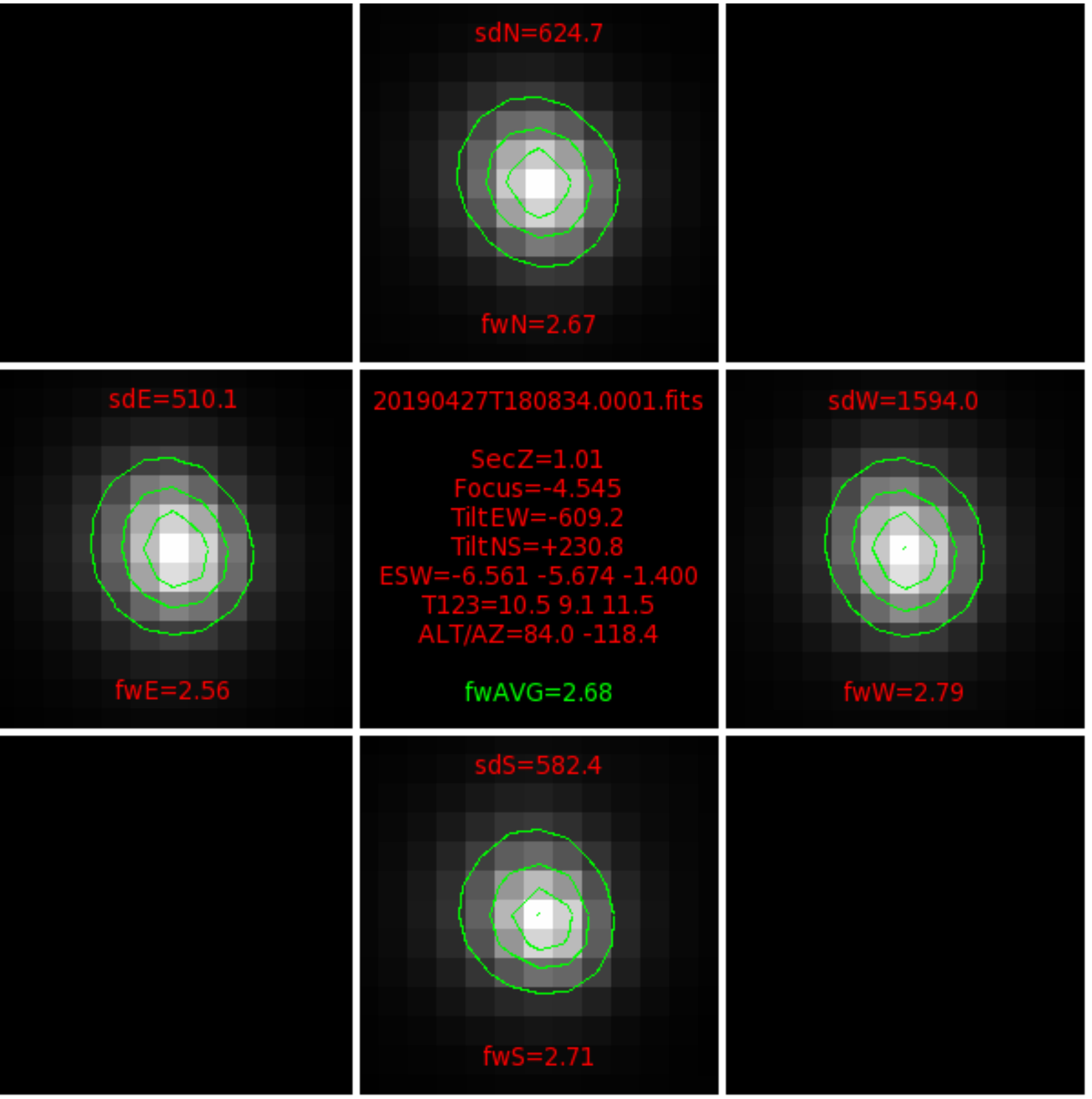
sdN=624.7
fwN=2.67
sdE=510.1
fwE=2.56
20190427T180834.0001.fits
SecZ=1.01
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.5 9.1 11.5
ALT/AZ=84.0 -118.4
fwAVG=2.68
sdW=1594.0
fwW=2.79
sdS=582.4
fwS=2.71
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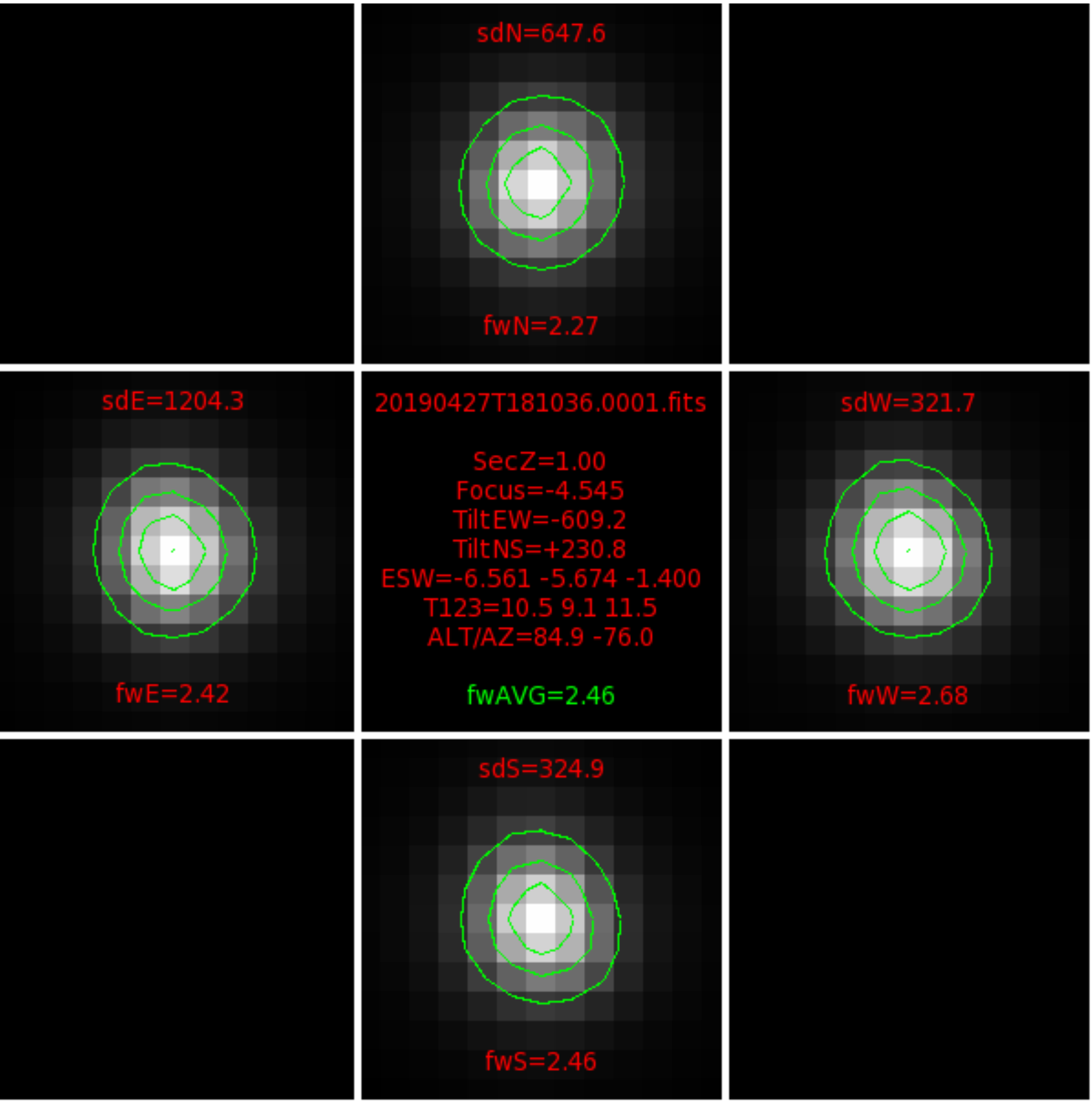
sdN=647.6
fwN=2.27
sdE=1204.3
fwE=2.42
20190427T181036.0001.fits
SecZ=1.00
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.5 9.1 11.5
ALT/AZ=84.9 -76.0
fwAVG=2.46
sdW=321.7
fwW=2.68
sdS=324.9
fwS=2.46
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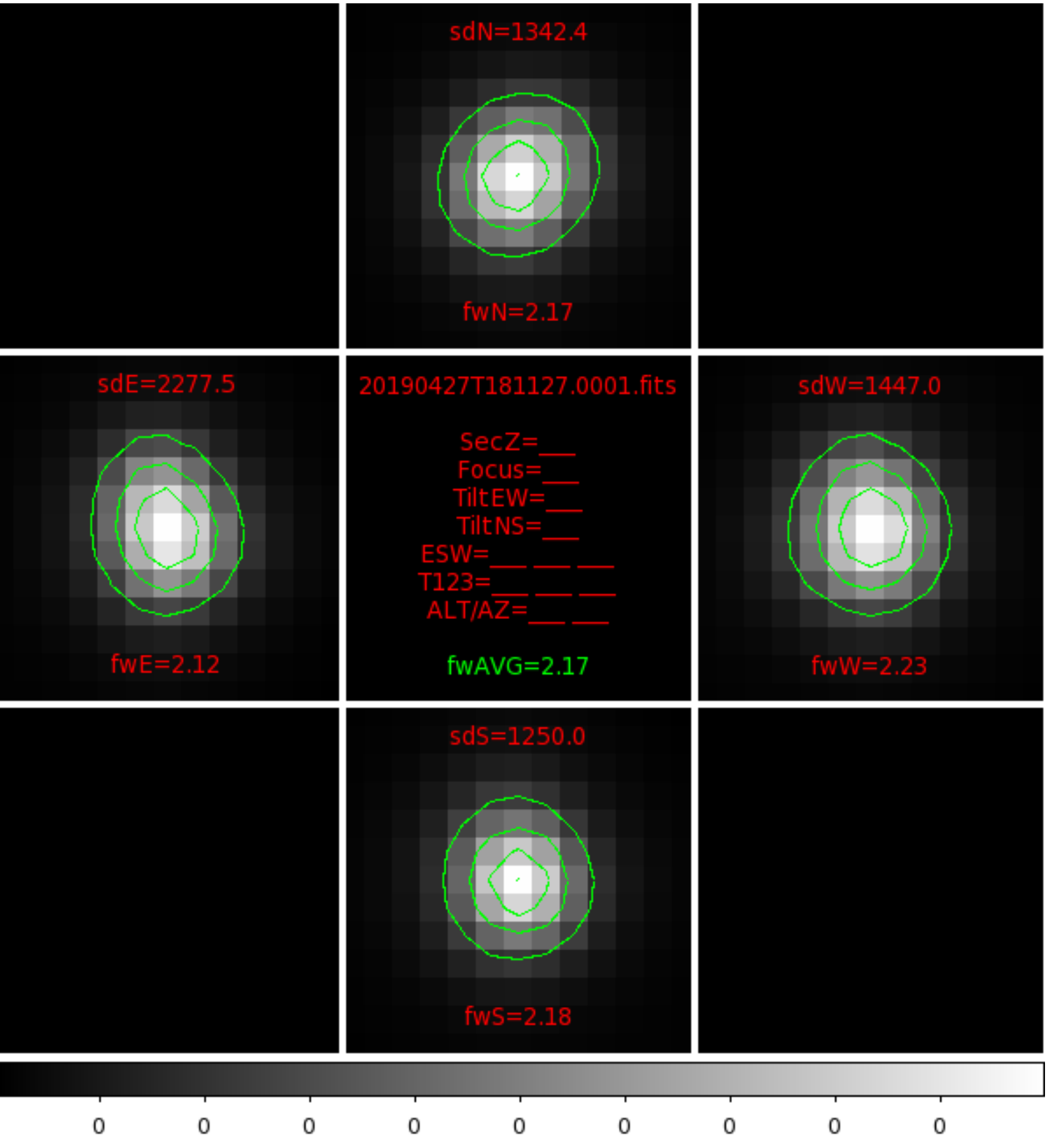
sdN=1342.4
fwN=2.17
sdE=2277.5
fwE=2.12
20190427T181127.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.17
sdW=1447.0
fwW=2.23
sdS=1250.0
fwS=2.18
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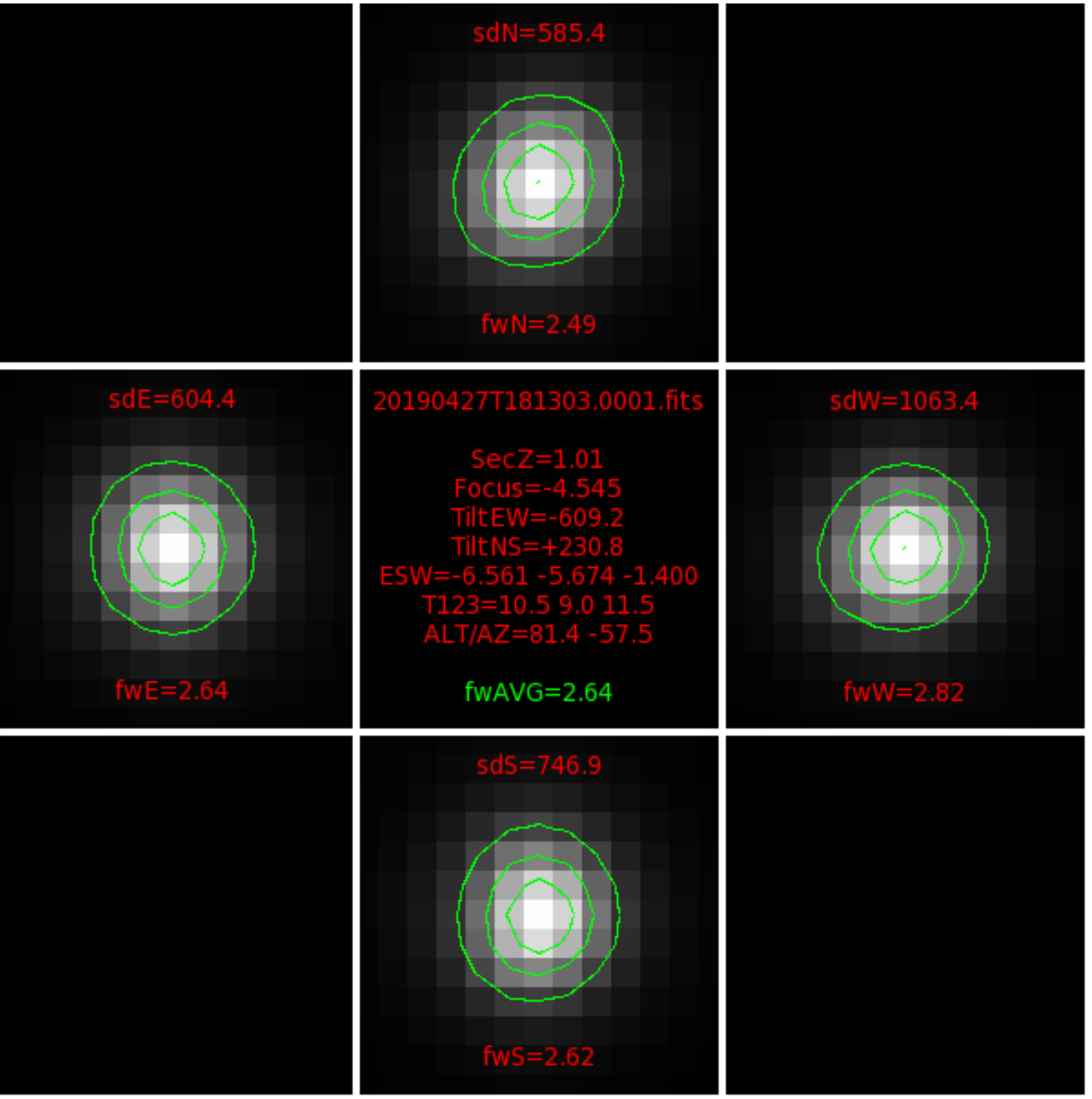
sdN=585.4
fwN=2.49
sdE=604.4
fwE=2.64
20190427T181303.0001.fits
SecZ=1.01
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.5 9.0 11.5
ALT/AZ=81.4 -57.5
fwAVG=2.64
sdW=1063.4
fwW=2.82
sdS=746.9
fwS=2.62
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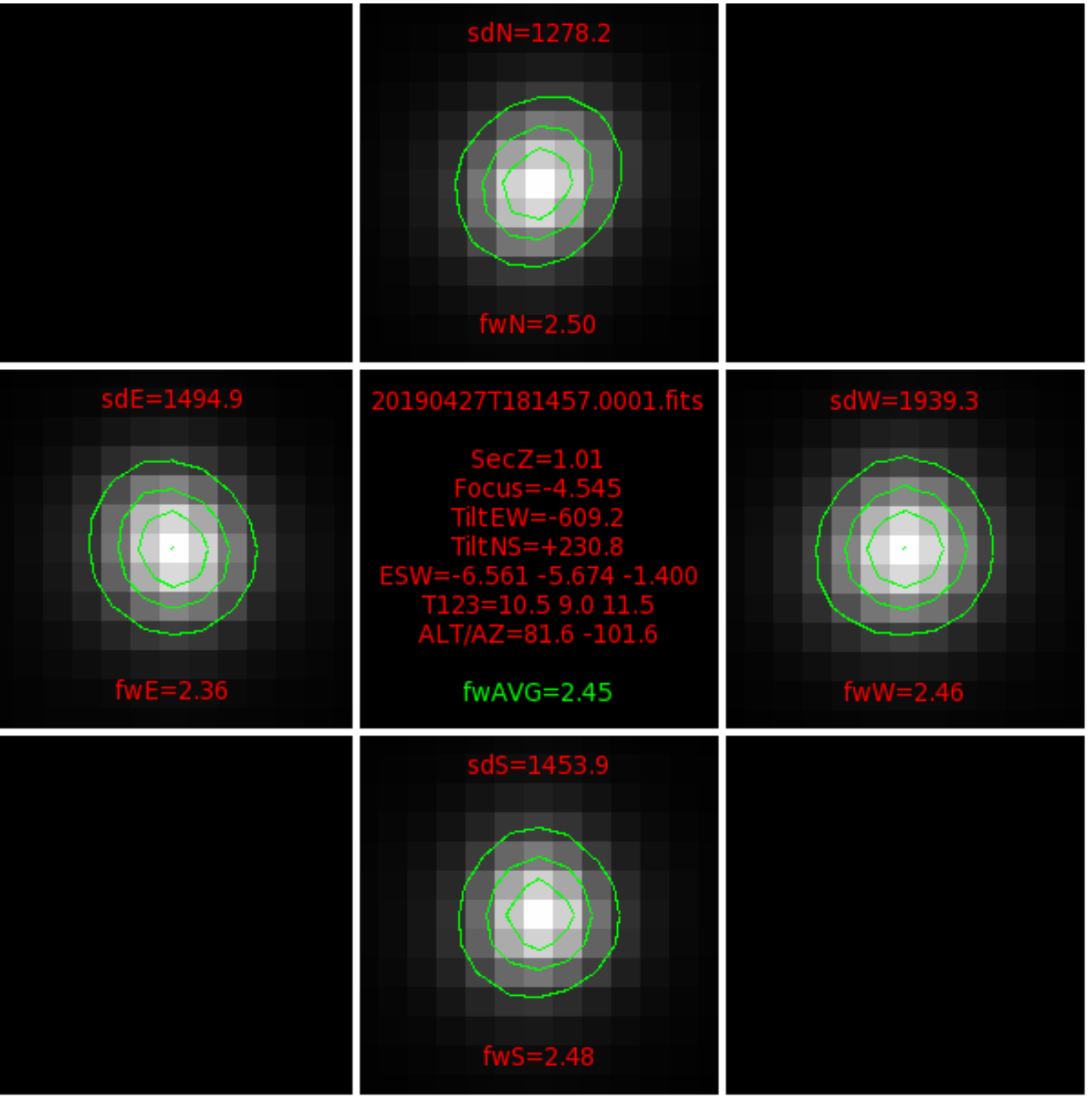
sdN=1278.2
fwN=2.50
sdE=1494.9
fwE=2.36
20190427T181457.0001.fits
SecZ=1.01
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.5 9.0 11.5
ALT/AZ=81.6 -101.6
fwAVG=2.45
sdW=1939.3
fwW=2.46
sdS=1453.9
fwS=2.48
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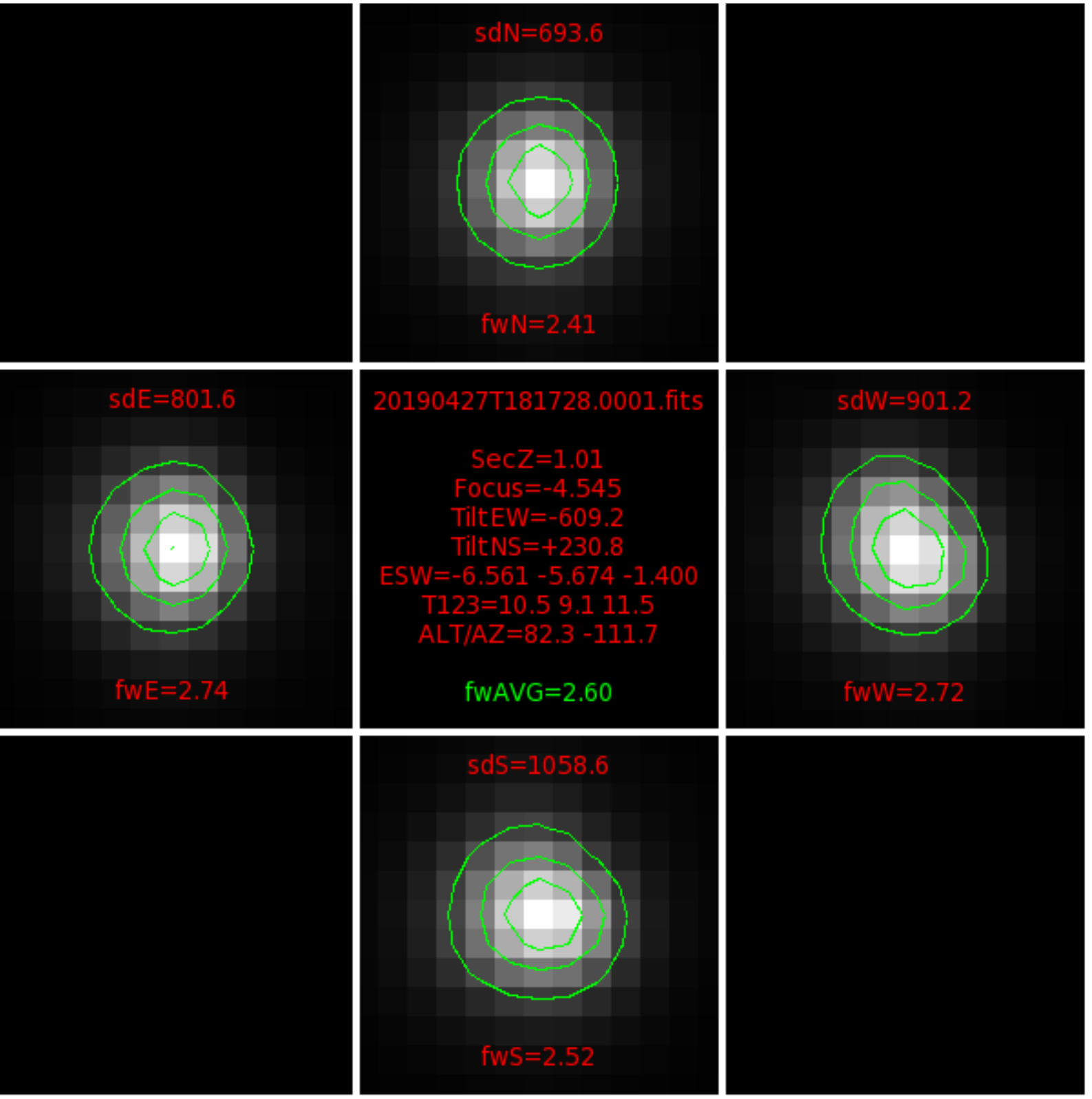
sdN=693.6
fwN=2.41
sdE=801.6
fwE=2.74
20190427T181728.0001.fits
SecZ=1.01
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.5 9.1 11.5
ALT/AZ=82.3 -111.7
fwAVG=2.60
sdW=901.2
fwW=2.72
sdS=1058.6
fwS=2.52
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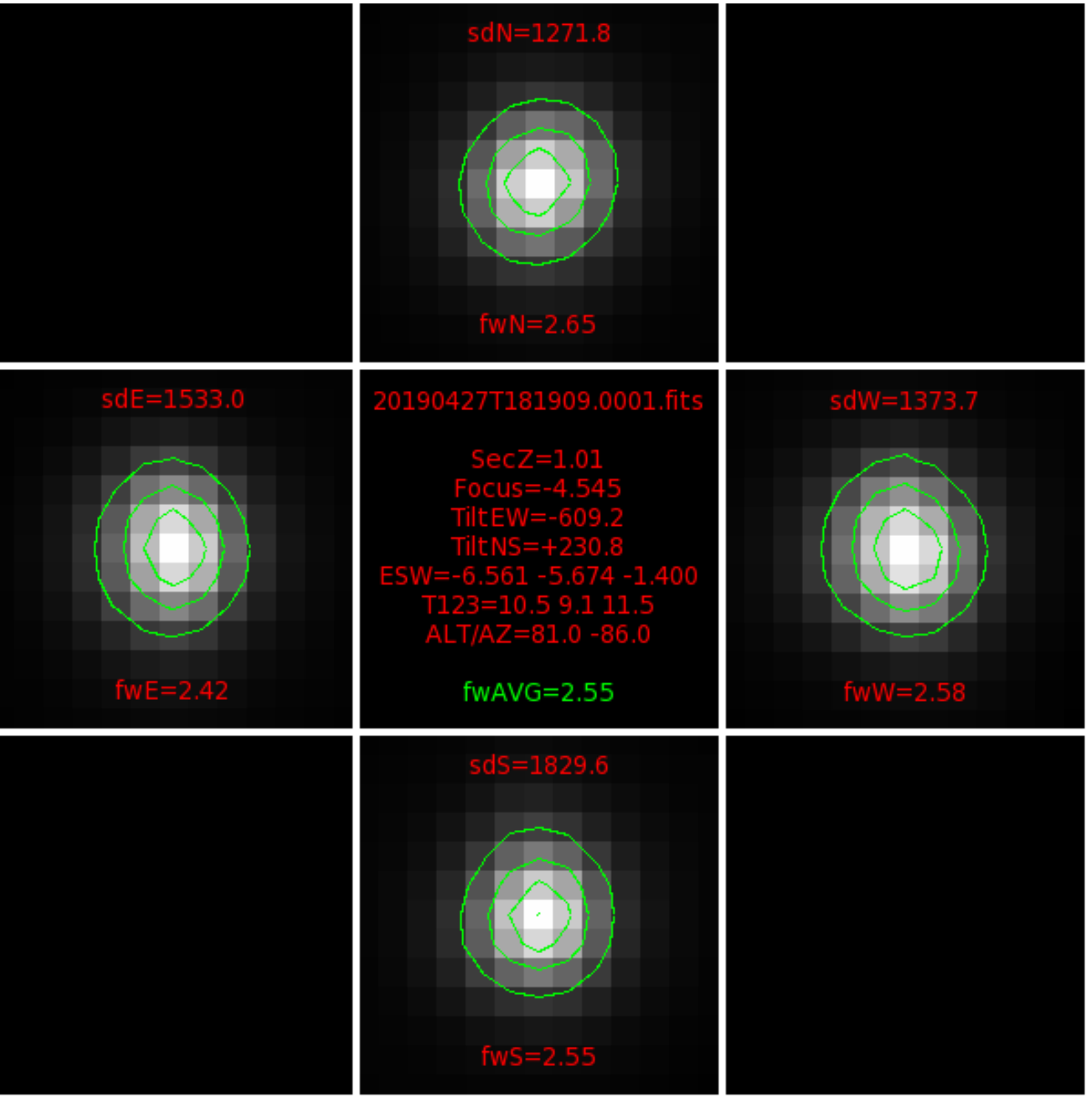
sdN=1271.8
fwN=2.65
sdE=1533.0
fwE=2.42
20190427T181909.0001.fits
SecZ=1.01
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.5 9.1 11.5
ALT/AZ=81.0 -86.0
fwAVG=2.55
sdW=1373.7
fwW=2.58
sdS=1829.6
fwS=2.55
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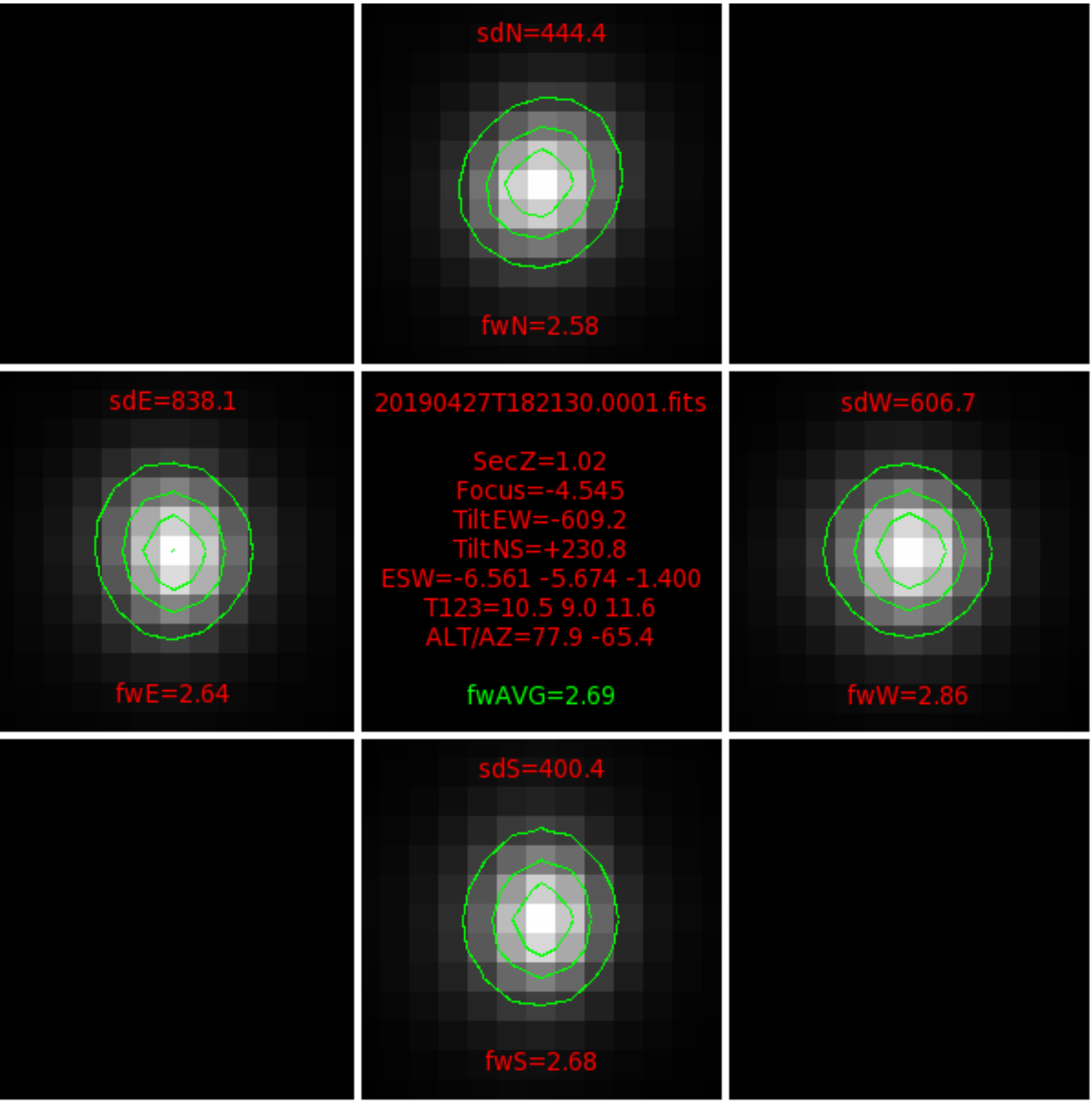
sdN=444.4
fwN=2.58
sdE=838.1
fwE=2.64
20190427T182130.0001.fits
SecZ=1.02
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.5 9.0 11.6
ALT/AZ=77.9 -65.4
fwAVG=2.69
sdW=606.7
fwW=2.86
sdS=400.4
fwS=2.68
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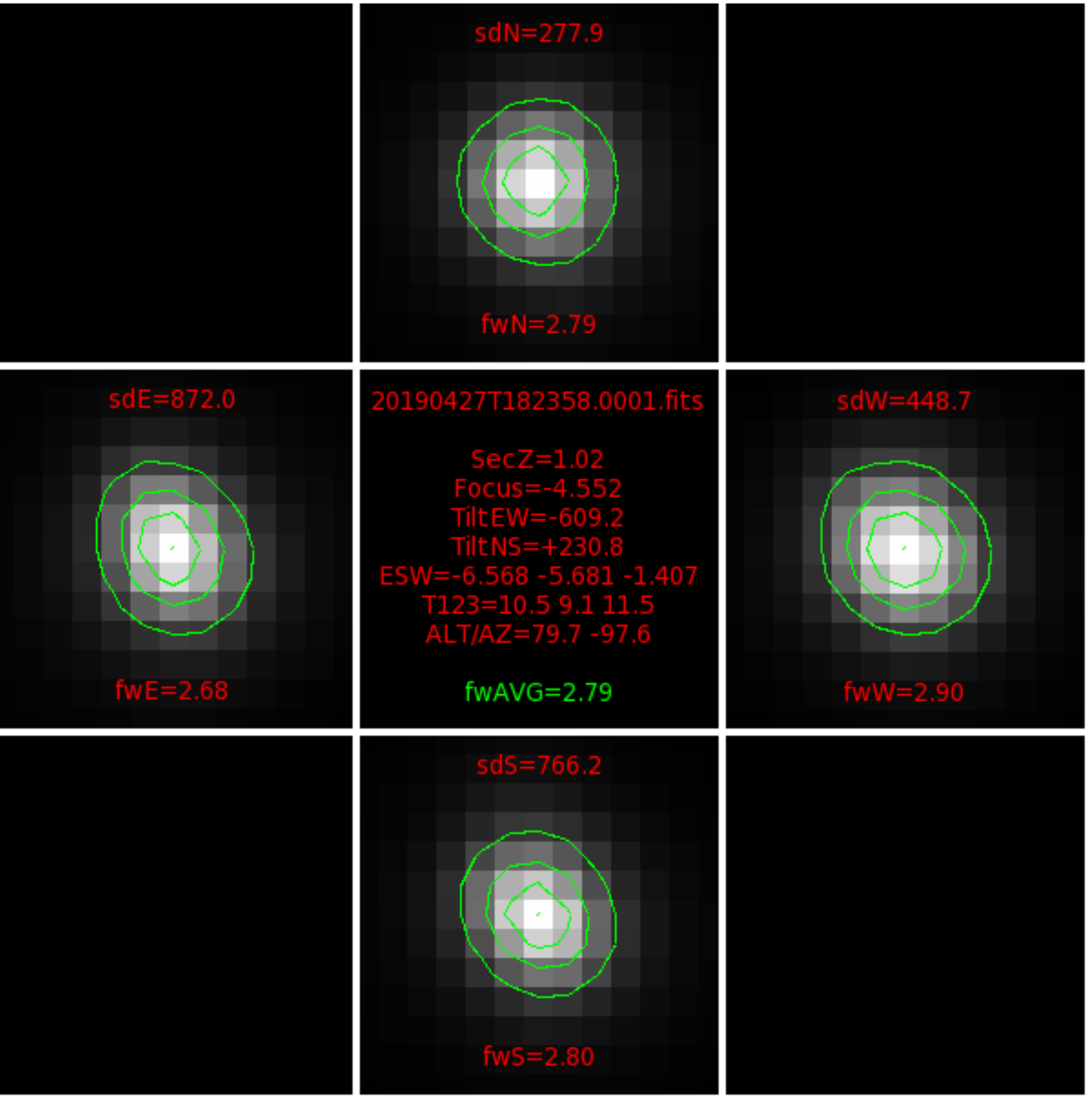
sdN=277.9
fwN=2.79
sdE=872.0
fwE=2.68
20190427T182358.0001.fits
SecZ=1.02
Focus=-4.552
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.568 -5.681 -1.407
T123=10.5 9.1 11.5
ALT/AZ=79.7 -97.6
fwAVG=2.79
sdW=448.7
fwW=2.90
sdS=766.2
fwS=2.80
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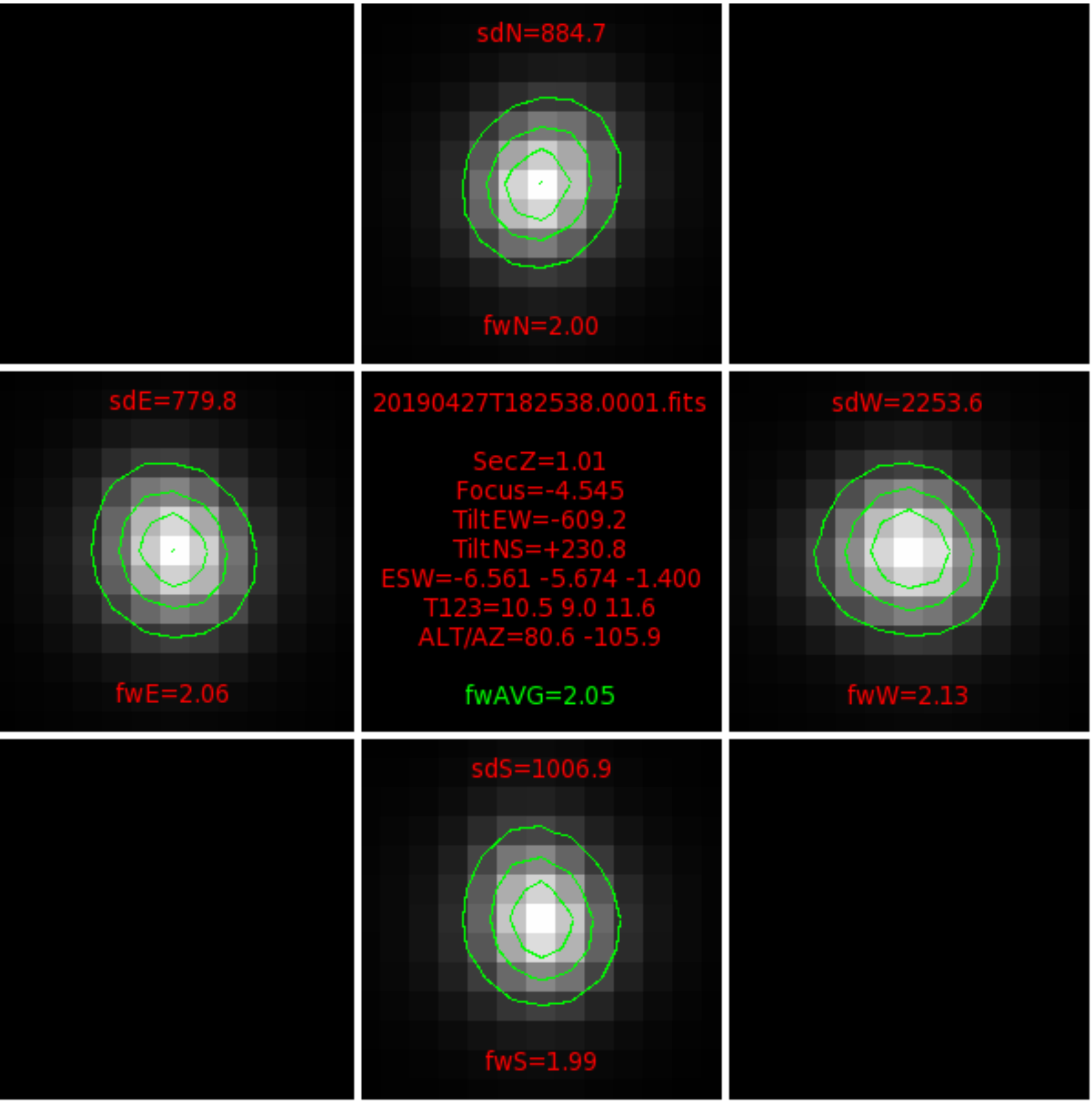
sdN=884.7
fwN=2.00
sdE=779.8
fwE=2.06
20190427T182538.0001.fits
SecZ=1.01
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.5 9.0 11.6
ALT/AZ=80.6 -105.9
fwAVG=2.05
sdW=2253.6
fwW=2.13
sdS=1006.9
fwS=1.99
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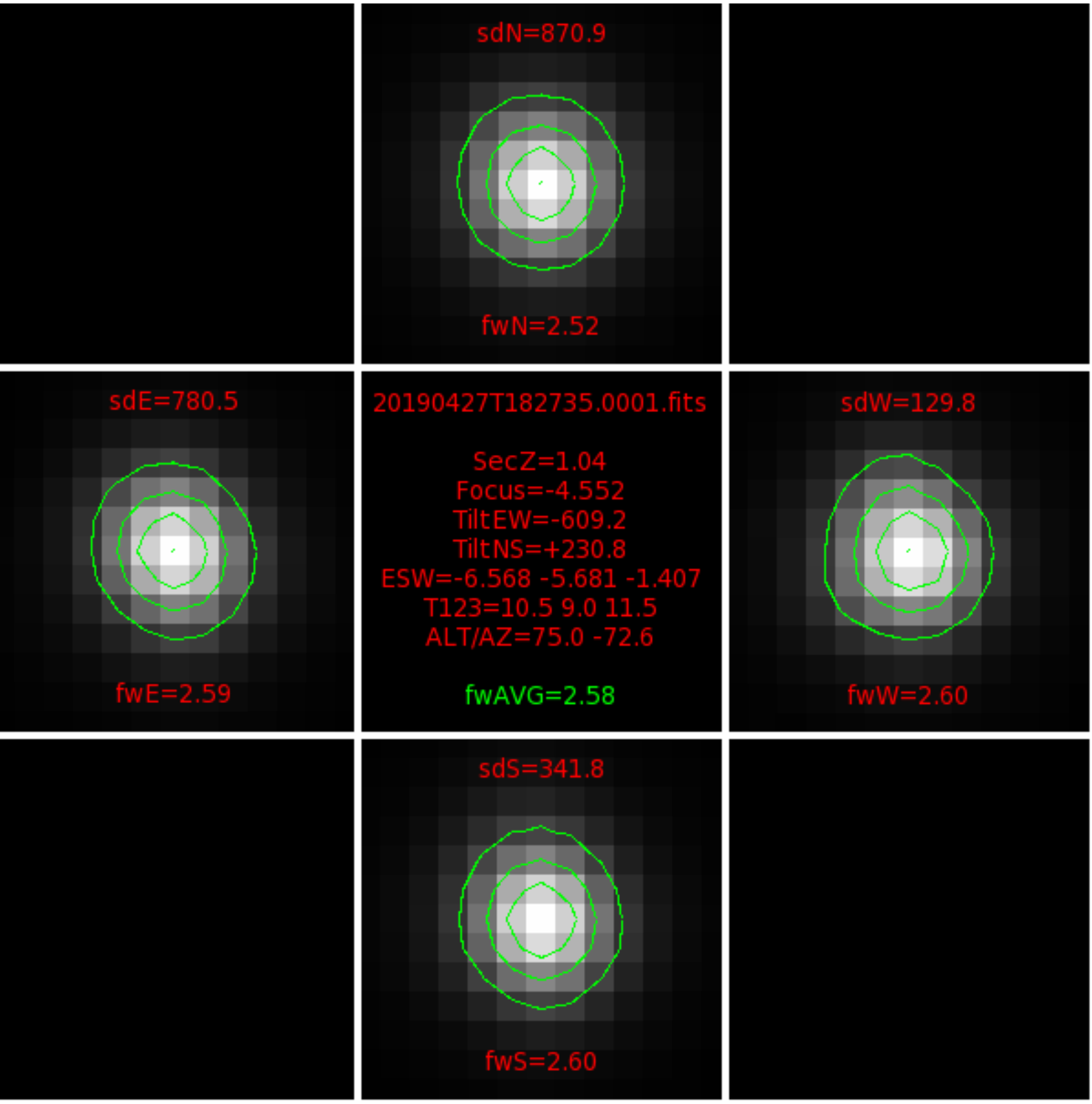
sdN=870.9
fwN=2.52
sdE=780.5
fwE=2.59
20190427T182735.0001.fits
SecZ=1.04
Focus=-4.552
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.568 -5.681 -1.407
T123=10.5 9.0 11.5
ALT/AZ=75.0 -72.6
fwAVG=2.58
sdW=129.8
fwW=2.60
sdS=341.8
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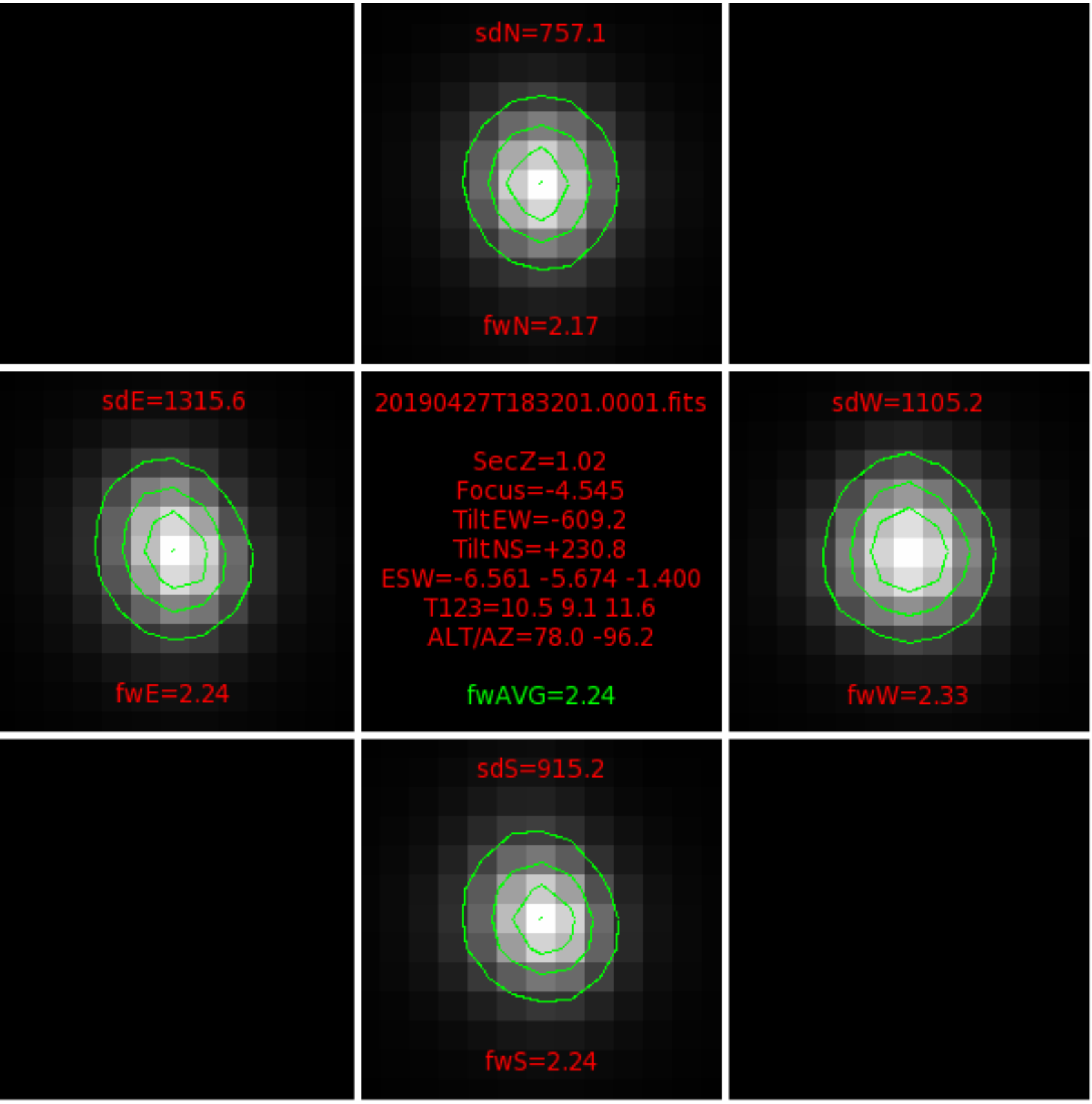
sdN=757.1
fwN=2.17
sdE=1315.6
fwE=2.24
20190427T183201.0001.fits
SecZ=1.02
Focus=-4.545
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.561 -5.674 -1.400
T123=10.5 9.1 11.6
ALT/AZ=78.0 -96.2
fwAVG=2.24
sdW=1105.2
fwW=2.33
sdS=915.2
fwS=2.24
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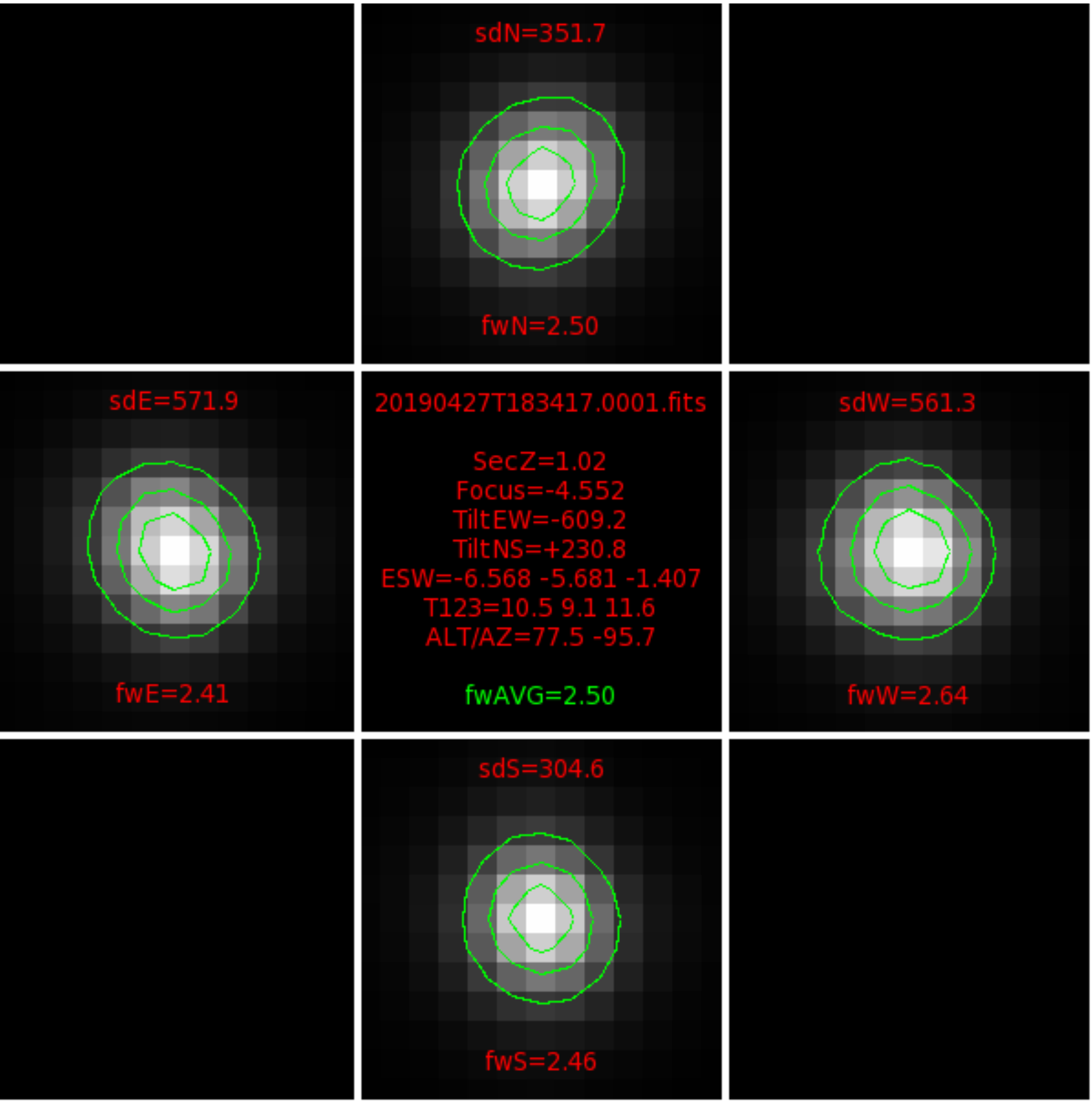
sdN=351.7
fwN=2.50
sdE=571.9
fwE=2.41
20190427T183417.0001.fits
SecZ=1.02
Focus=-4.552
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.568 -5.681 -1.407
T123=10.5 9.1 11.6
ALT/AZ=77.5 -95.7
fwAVG=2.50
sdW=561.3
fwW=2.64
sdS=304.6
fwS=2.46
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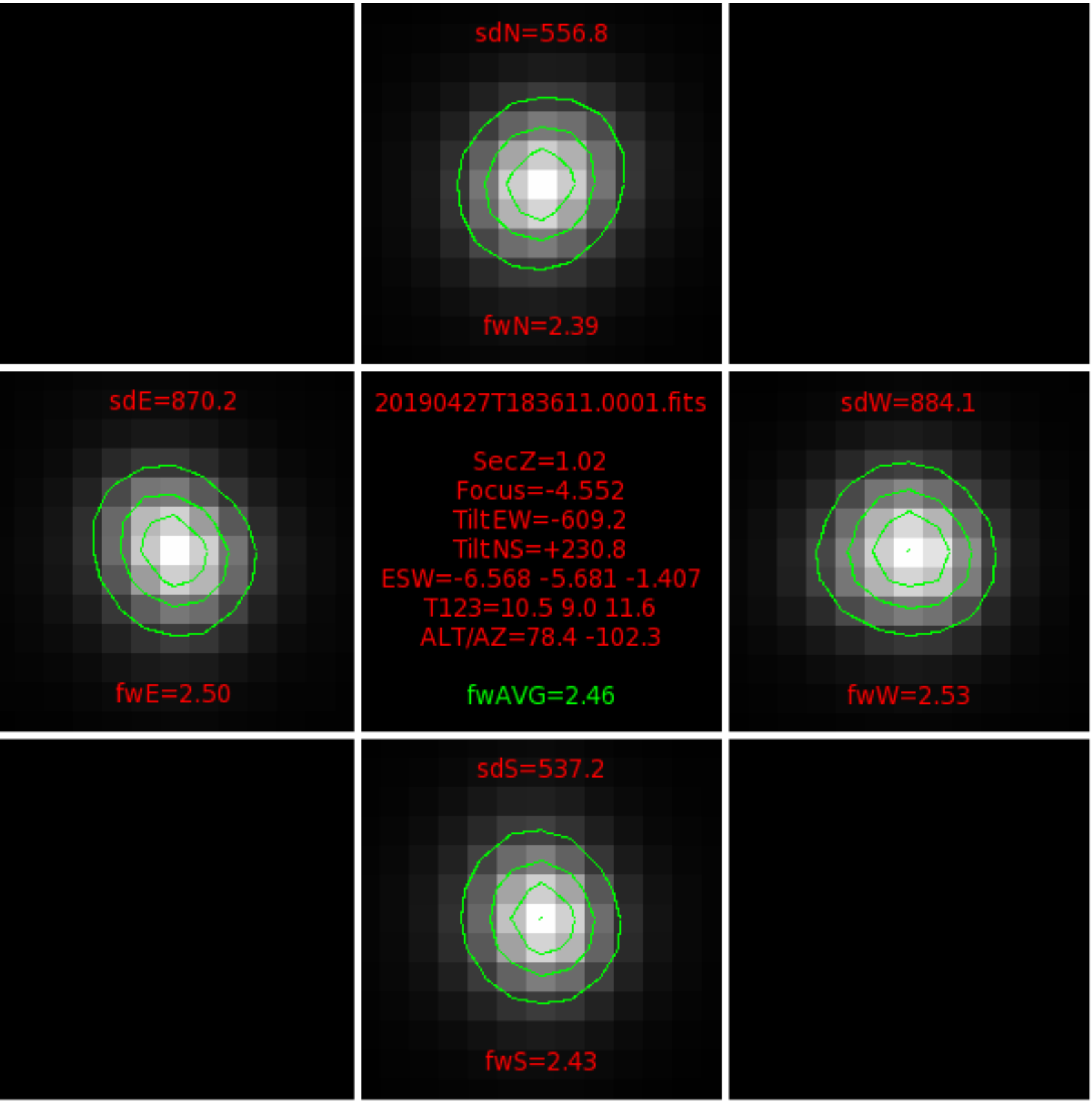
sdN=556.8
fwN=2.39
sdE=870.2
fwE=2.50
20190427T183611.0001.fits
SecZ=1.02
Focus=-4.552
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.568 -5.681 -1.407
T123=10.5 9.0 11.6
ALT/AZ=78.4 -102.3
fwAVG=2.46
sdW=884.1
fwW=2.53
sdS=537.2
fwS=2.43
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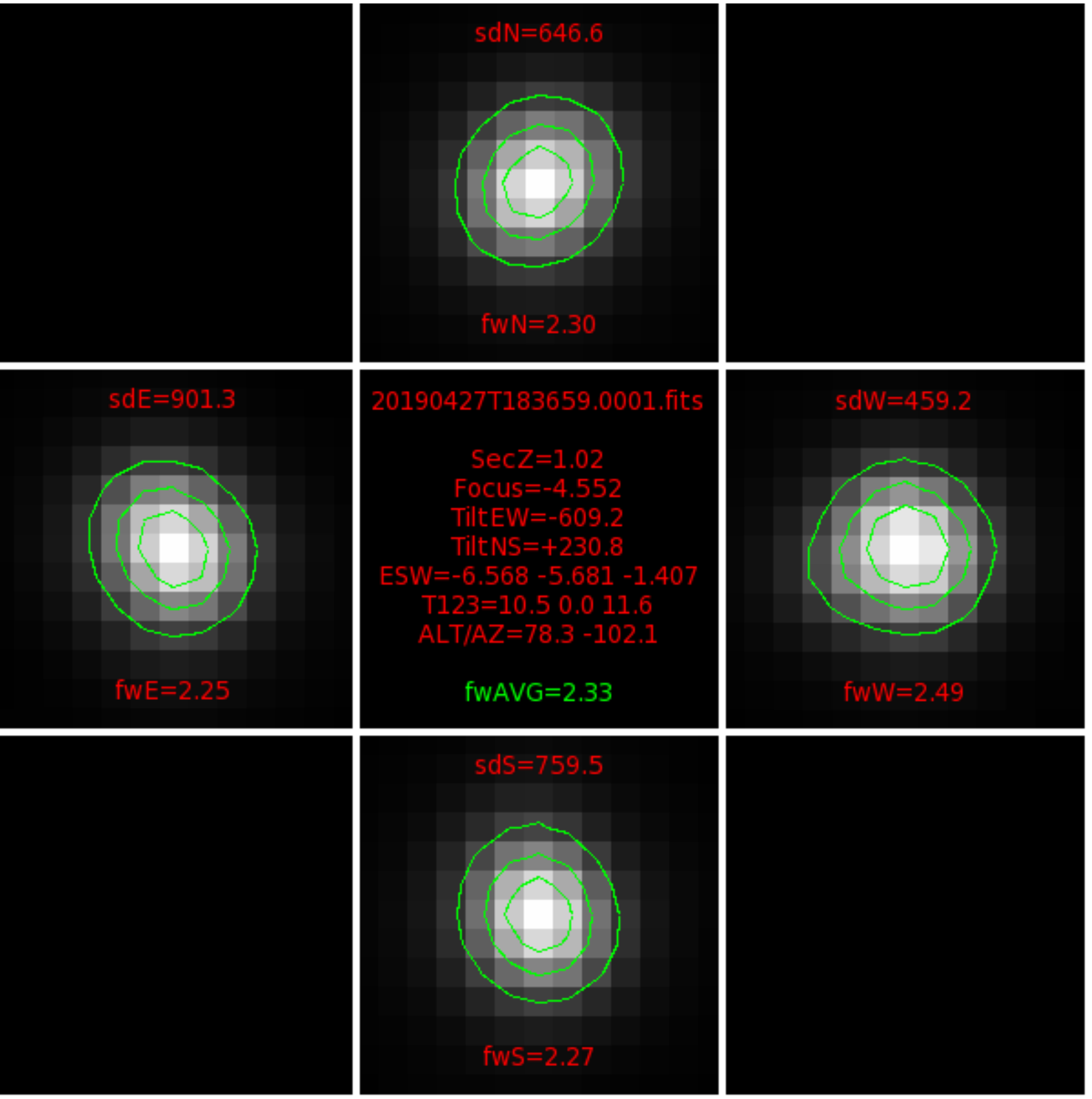
sdN=646.6
fwN=2.30
sdE=901.3
fwE=2.25
20190427T183659.0001.fits
SecZ=1.02
Focus=-4.552
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.568 -5.681 -1.407
T123=10.5 0.0 11.6
ALT/AZ=78.3 -102.1
fwAVG=2.33
sdW=459.2
fwW=2.49
sdS=759.5
fwS=2.27
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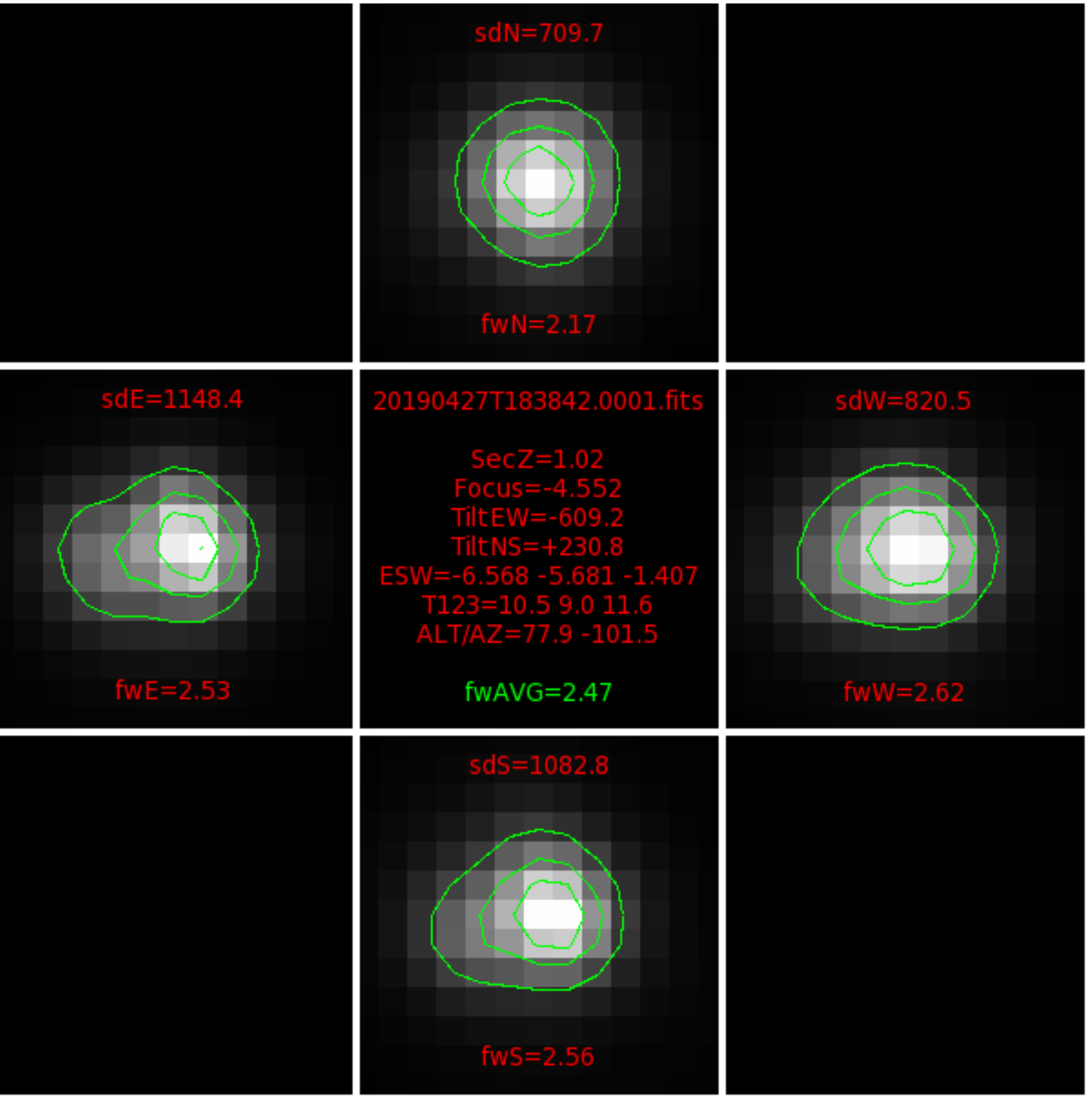
sdN=709.7
fwN=2.17
sdE=1148.4
fwE=2.53
20190427T183842.0001.fits
SecZ=1.02
Focus=-4.552
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.568 -5.681 -1.407
T123=10.5 9.0 11.6
ALT/AZ=77.9 -101.5
fwAVG=2.47
sdW=820.5
fwW=2.62
sdS=1082.8
fwS=2.56
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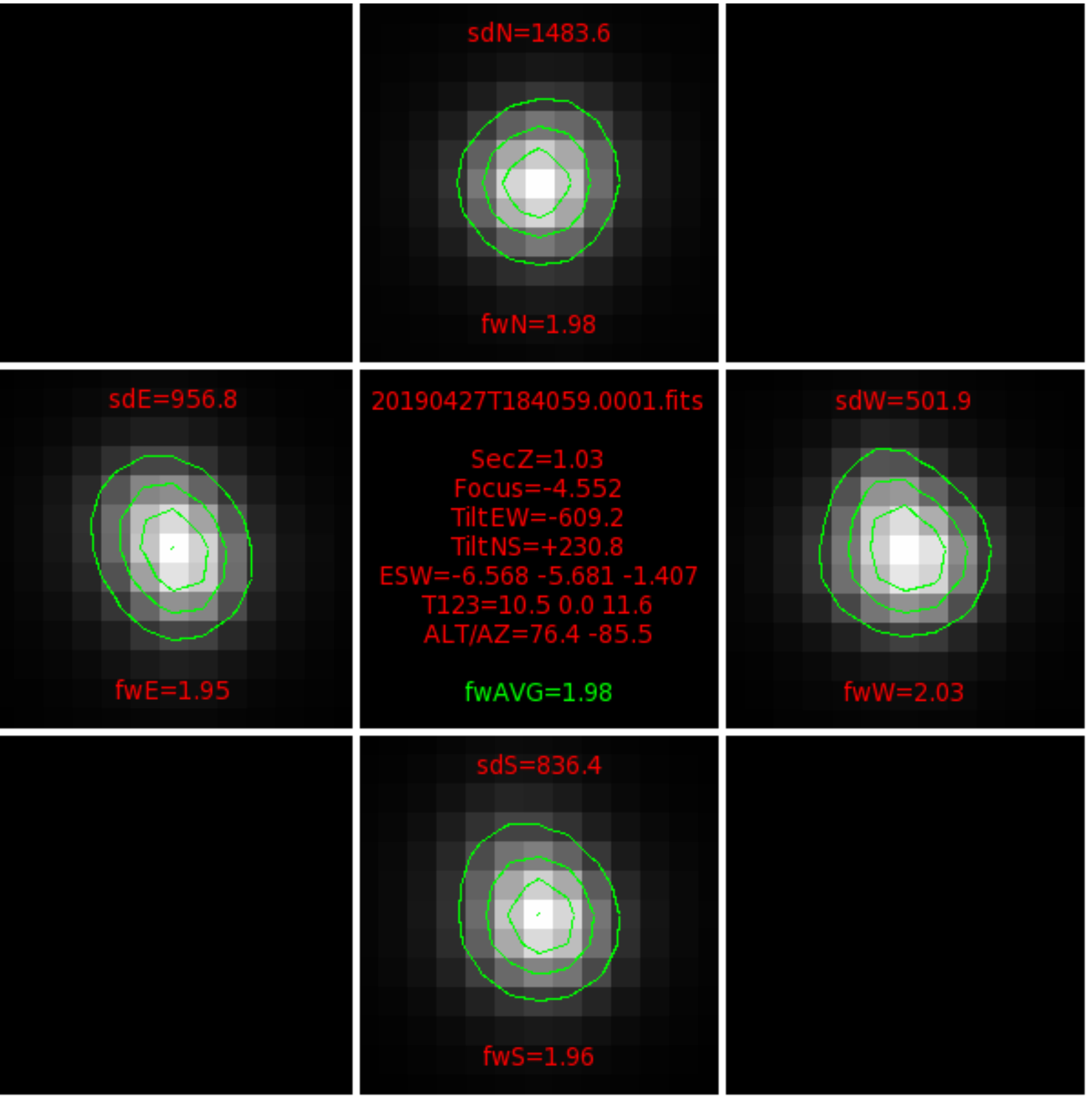
sdN=1483.6
fwN=1.98
sdE=956.8
fwE=1.95
20190427T184059.0001.fits
SecZ=1.03
Focus=-4.552
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.568 -5.681 -1.407
T123=10.5 0.0 11.6
ALT/AZ=76.4 -85.5
fwAVG=1.98
sdW=501.9
fwW=2.03
sdS=836.4
fwS=1.96
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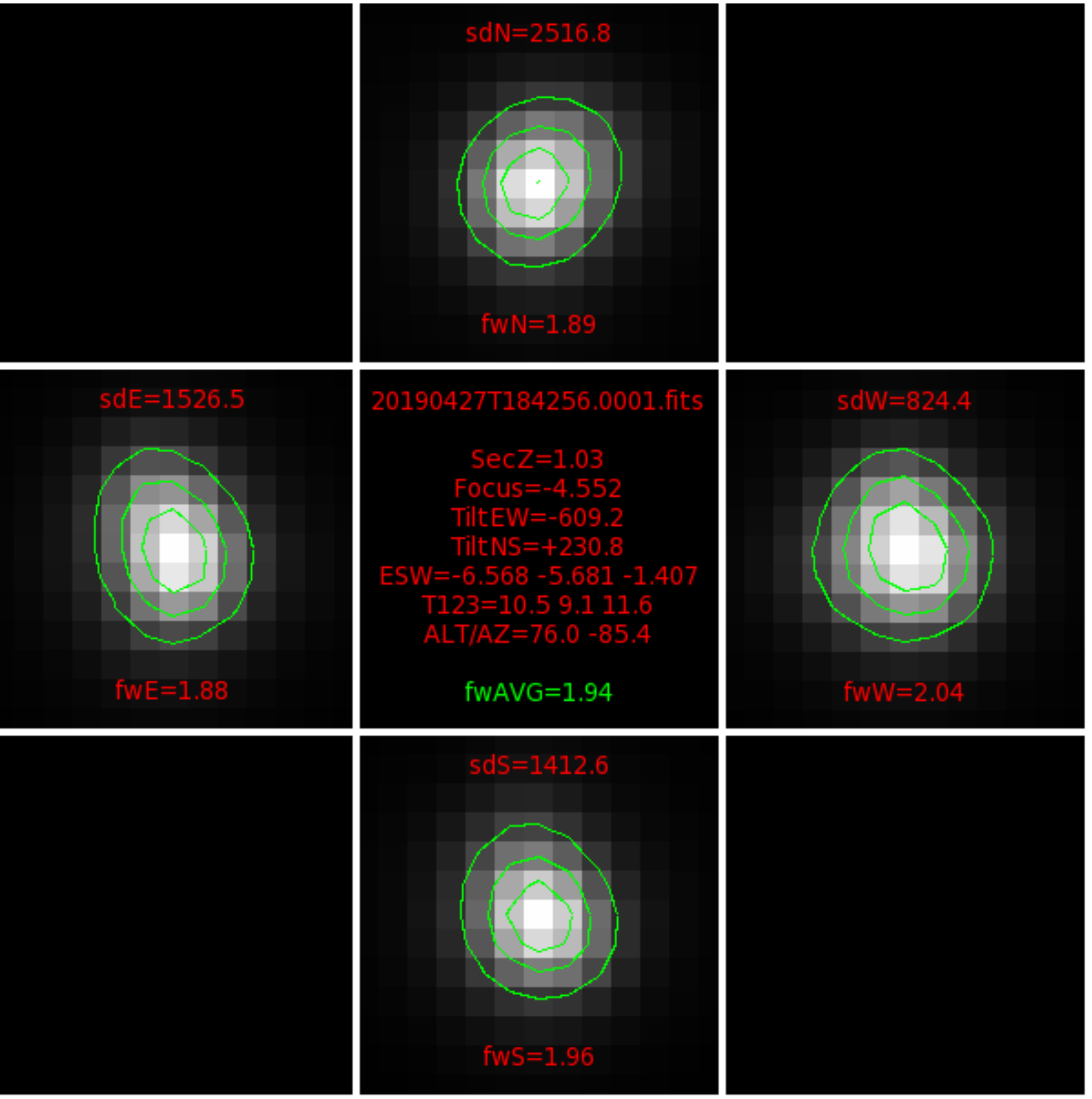
sdN=2516.8
fwN=1.89
sdE=1526.5
fwE=1.88
20190427T184256.0001.fits
SecZ=1.03
Focus=-4.552
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.568 -5.681 -1.407
T123=10.5 9.1 11.6
ALT/AZ=76.0 -85.4
fwAVG=1.94
sdW=824.4
fwW=2.04
sdS=1412.6
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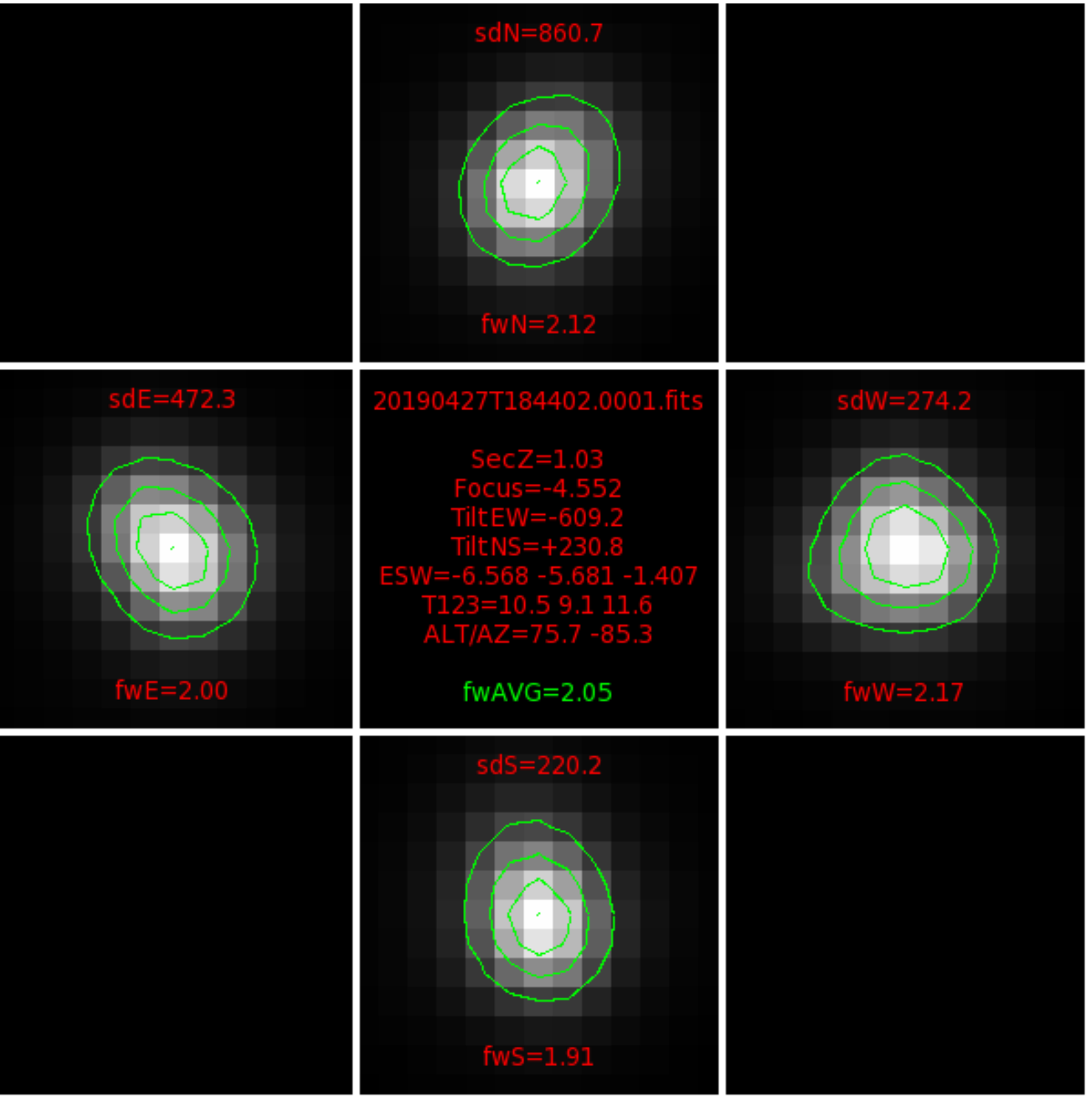
sdN=860.7
fwN=2.12
sdE=472.3
fwE=2.00
20190427T184402.0001.fits
SecZ=1.03
Focus=-4.552
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.568 -5.681 -1.407
T123=10.5 9.1 11.6
ALT/AZ=75.7 -85.3
fwAVG=2.05
sdW=274.2
fwW=2.17
sdS=220.2
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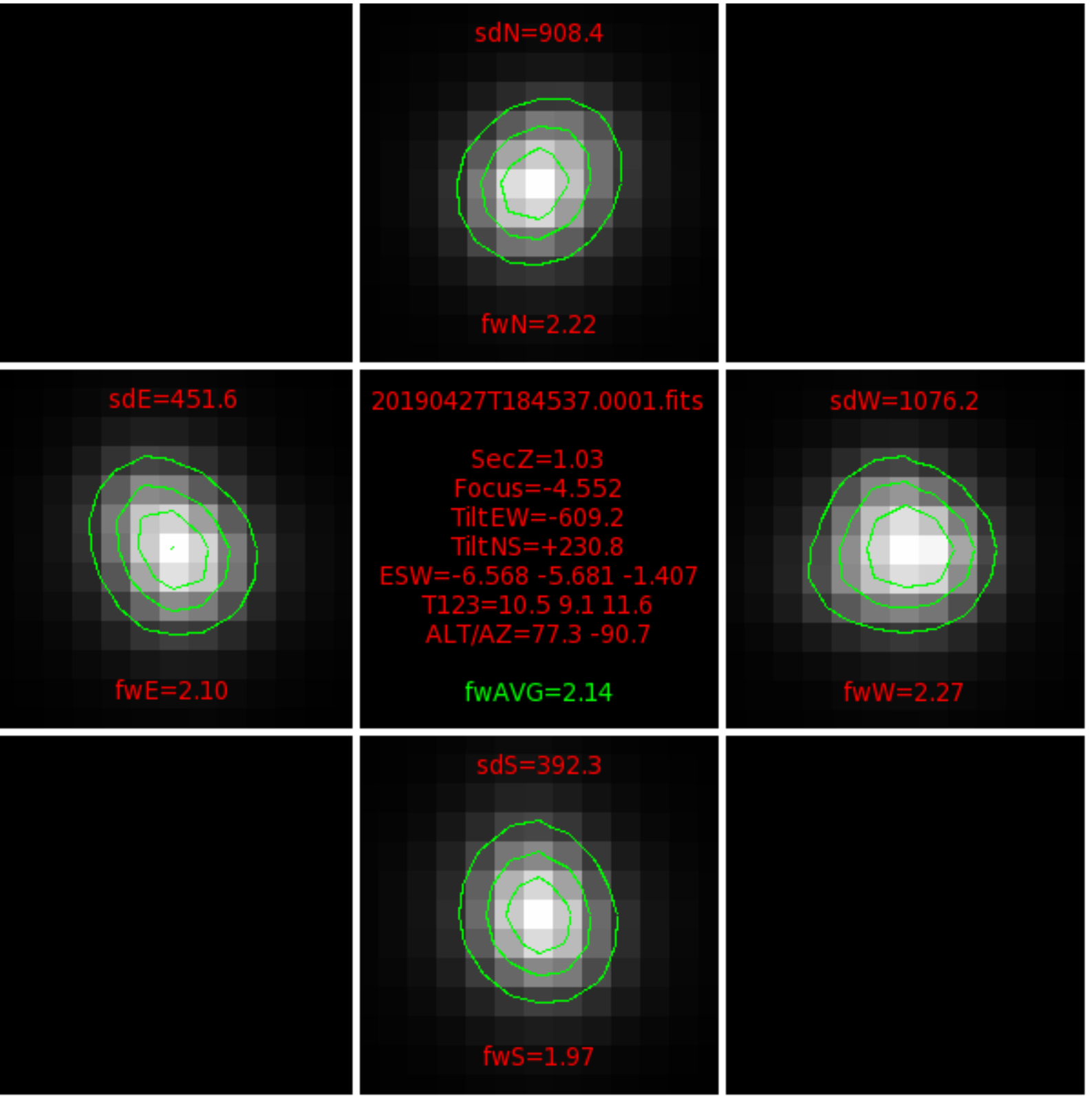
sdN=908.4
fwN=2.22
sdE=451.6
fwE=2.10
20190427T184537.0001.fits
SecZ=1.03
Focus=-4.552
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.568 -5.681 -1.407
T123=10.5 9.1 11.6
ALT/AZ=77.3 -90.7
fwAVG=2.14
sdW=1076.2
fwW=2.27
sdS=392.3
fwS=1.97
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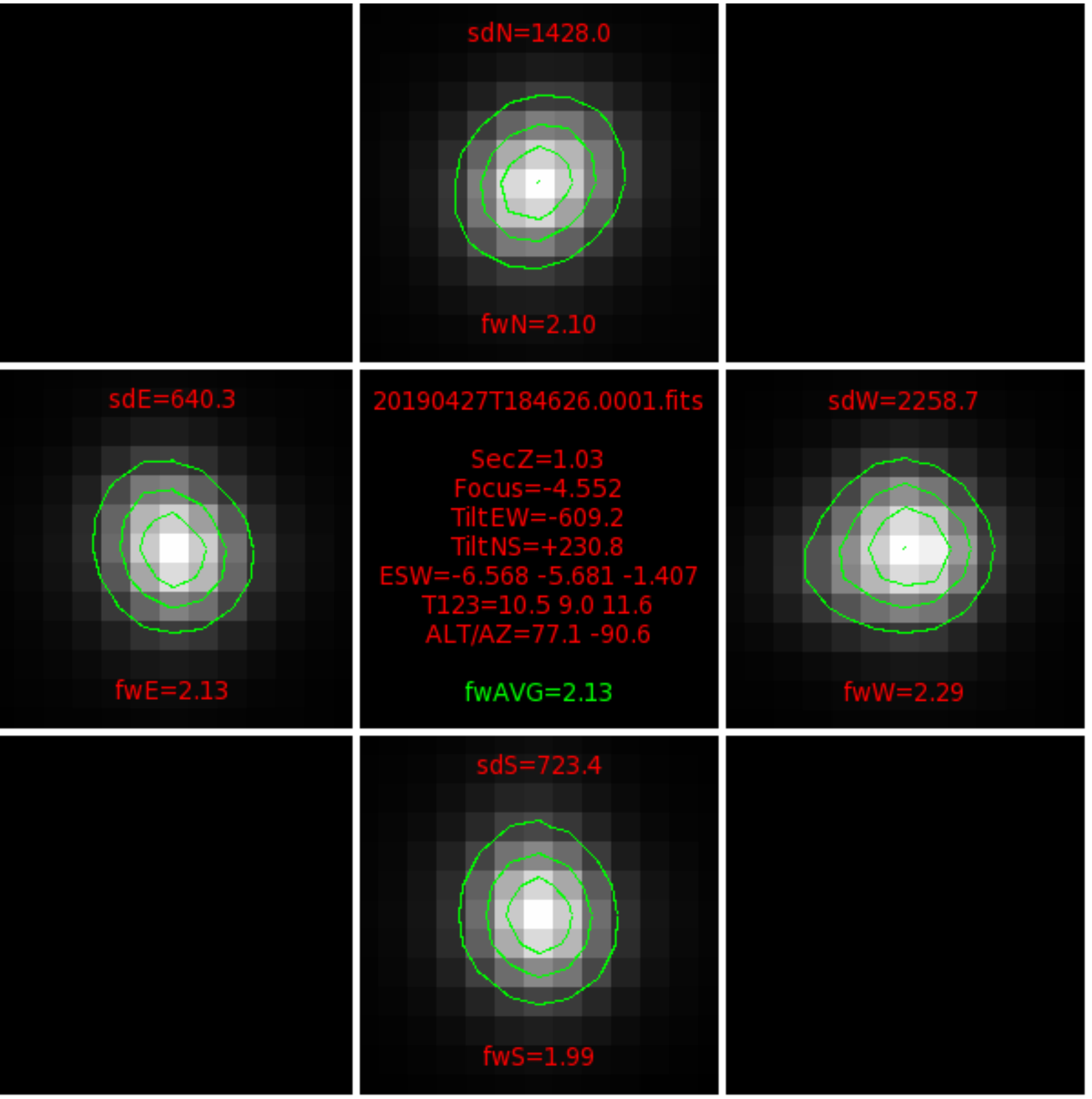
sdN=1428.0
fwN=2.10
sdE=640.3
fwE=2.13
20190427T184626.0001.fits
SecZ=1.03
Focus=-4.552
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.568 -5.681 -1.407
T123=10.5 9.0 11.6
ALT/AZ=77.1 -90.6
fwAVG=2.13
sdW=2258.7
fwW=2.29
sdS=723.4
fwS=1.99
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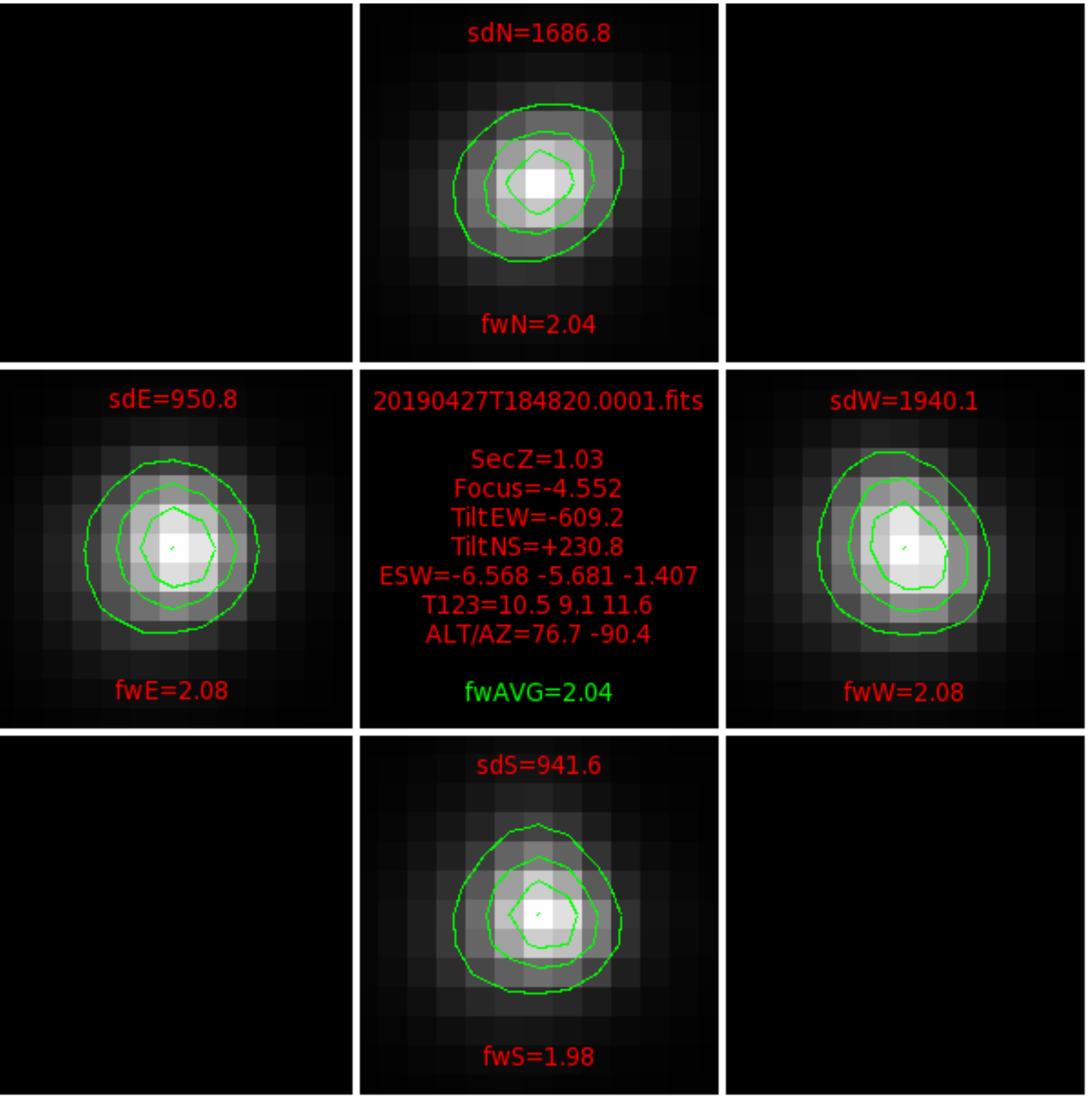
sdN=1686.8
fwN=2.04
sdE=950.8
fwE=2.08
20190427T184820.0001.fits
SecZ=1.03
Focus=-4.552
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.568 -5.681 -1.407
T123=10.5 9.1 11.6
ALT/AZ=76.7 -90.4
fwAVG=2.04
sdW=1940.1
fwW=2.08
sdS=941.6
fwS=1.98
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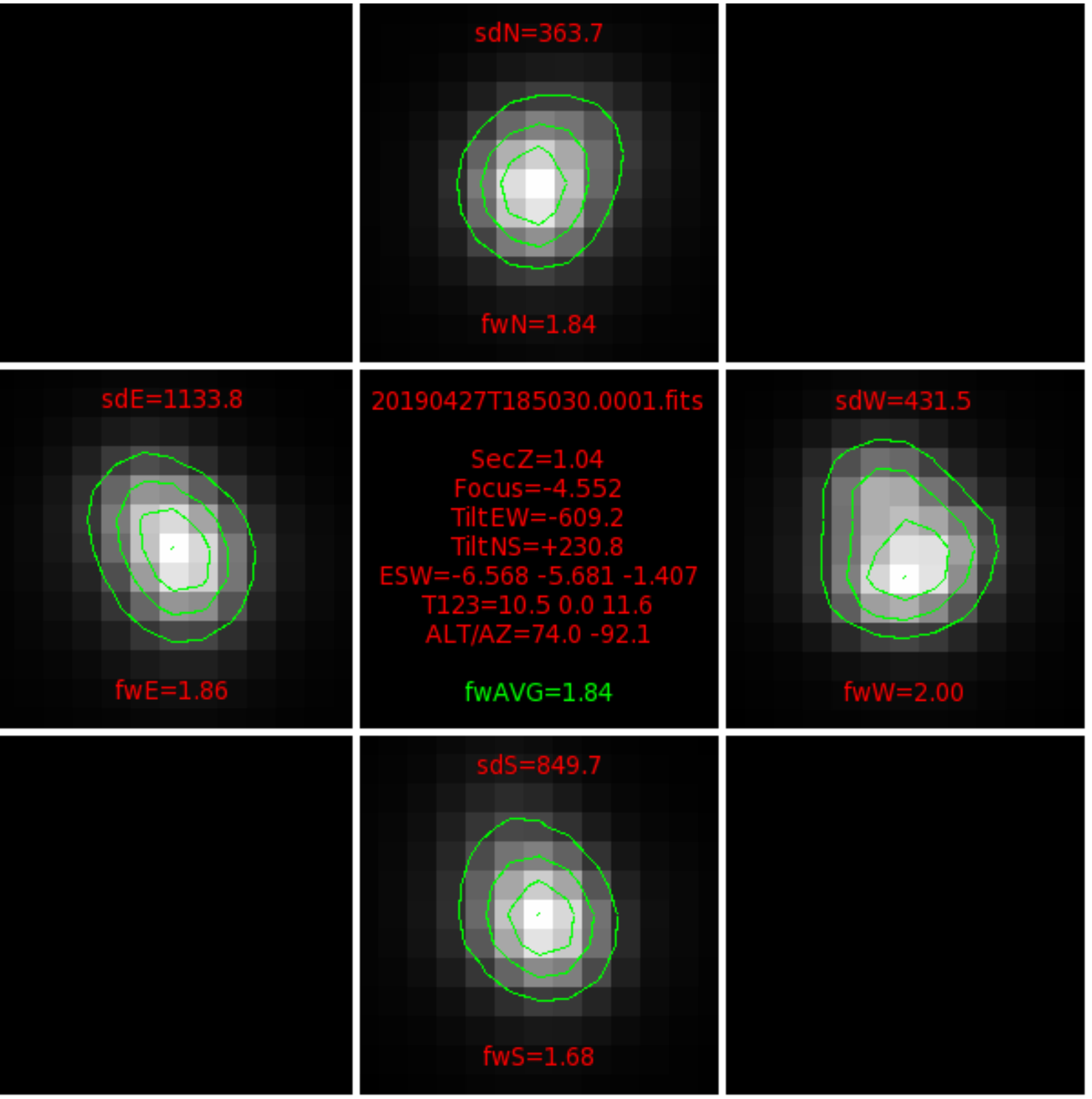
sdN=363.7
fwN=1.84
sdE=1133.8
fwE=1.86
20190427T185030.0001.fits
SecZ=1.04
Focus=-4.552
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.568 -5.681 -1.407
T123=10.5 0.0 11.6
ALT/AZ=74.0 -92.1
fwAVG=1.84
sdW=431.5
fwW=2.00
sdS=849.7
fwS=1.68
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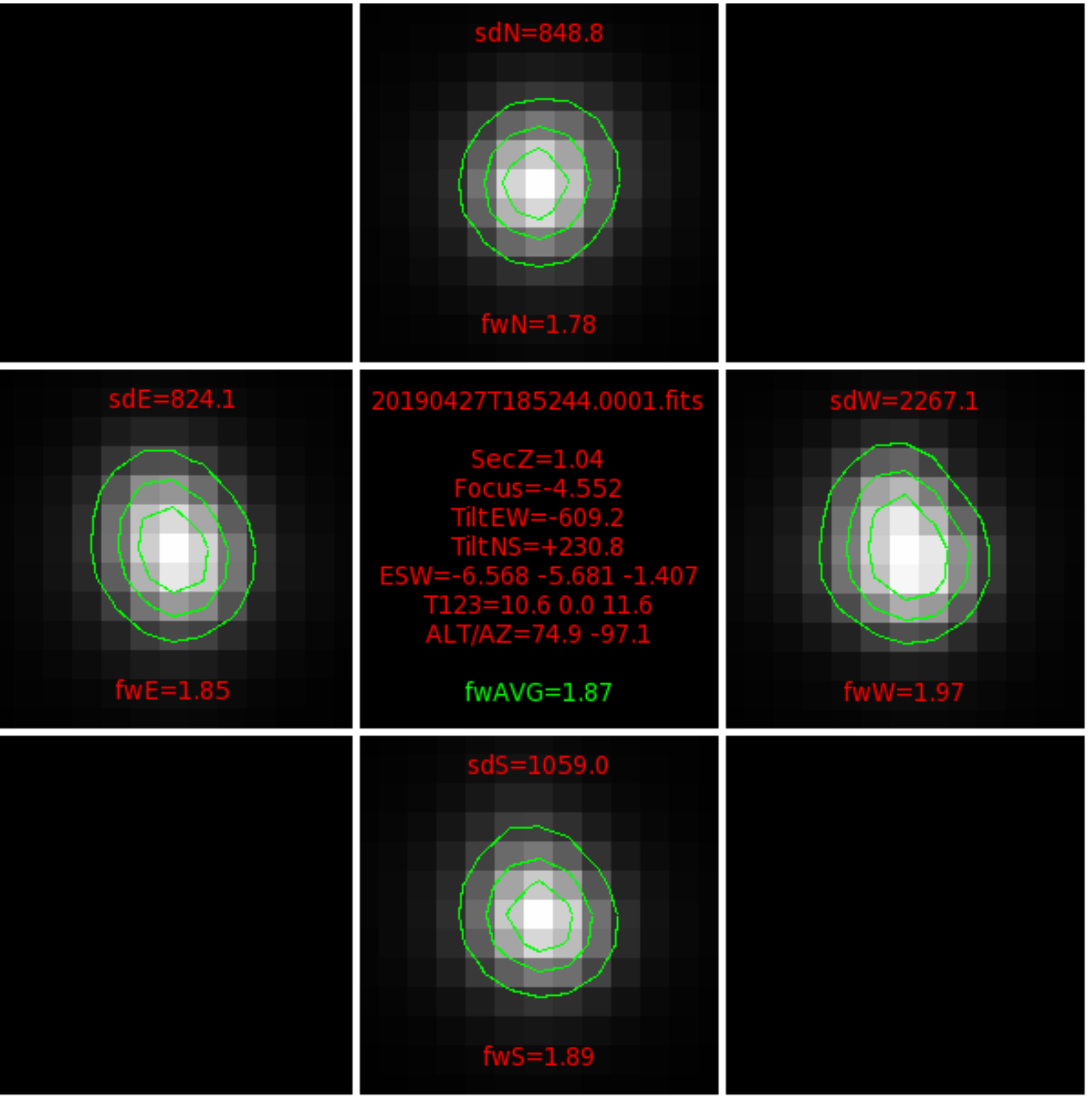
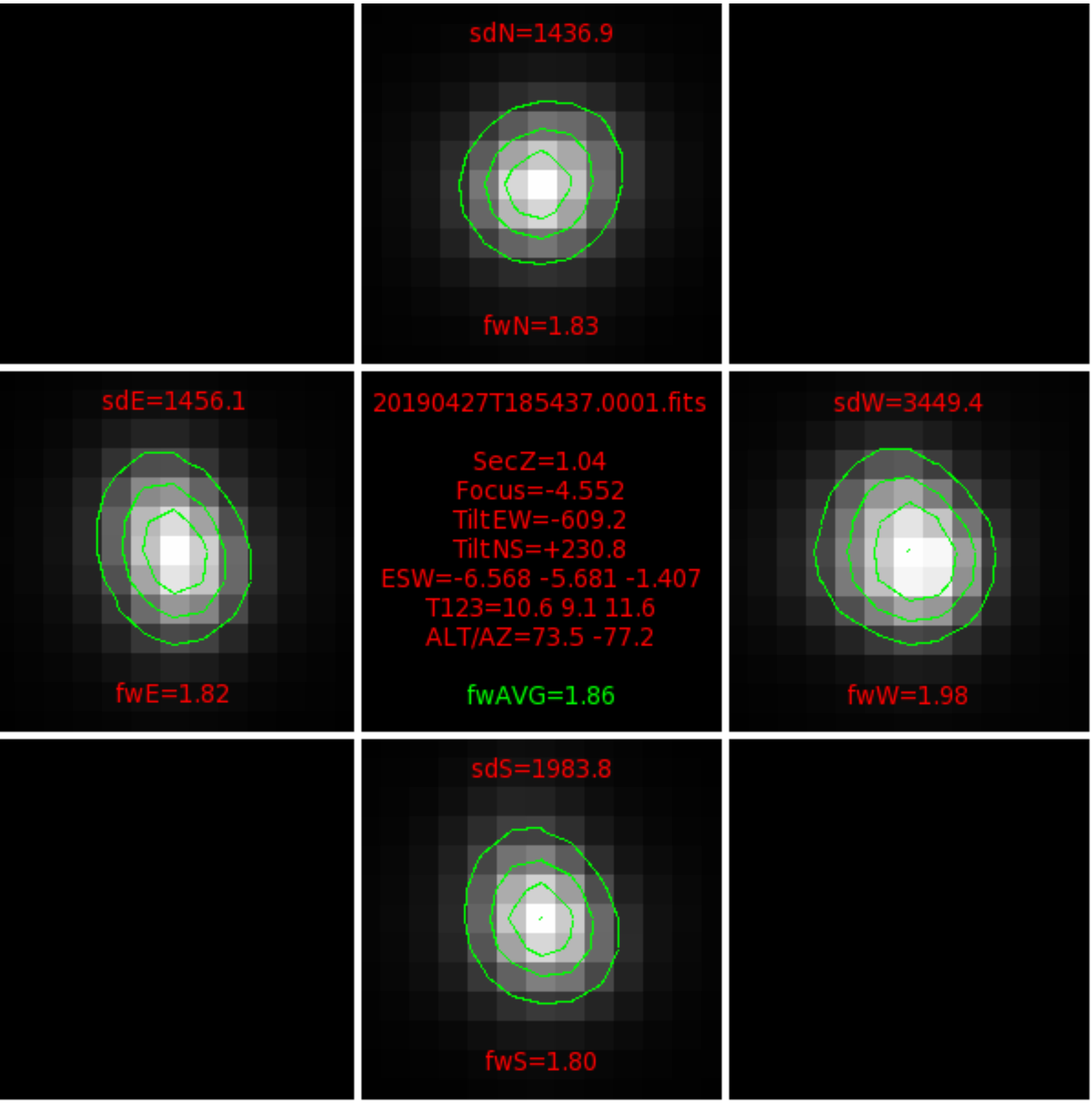

sdN=848.8
fwN=1.78
sdE=824.1
fwE=1.85
20190427T185244.0001.fits
SecZ=1.04
Focus=-4.552
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.568 -5.681 -1.407
T123=10.6 0.0 11.6
ALT/AZ=74.9 -97.1
fwAVG=1.87
sdW=2267.1
fwW=1.97
sdS=1059.0
fwS=1.89
0 0 0 0 0 0 0 0 0


sdN=1436.9
fwN=1.83
sdE=1456.1
fwE=1.82
20190427T185437.0001.fits
SecZ=1.04
Focus=-4.552
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.568 -5.681 -1.407
T123=10.6 9.1 11.6
ALT/AZ=73.5 -77.2
fwAVG=1.86
sdW=3449.4
fwW=1.98
sdS=1983.8
fwS=1.80
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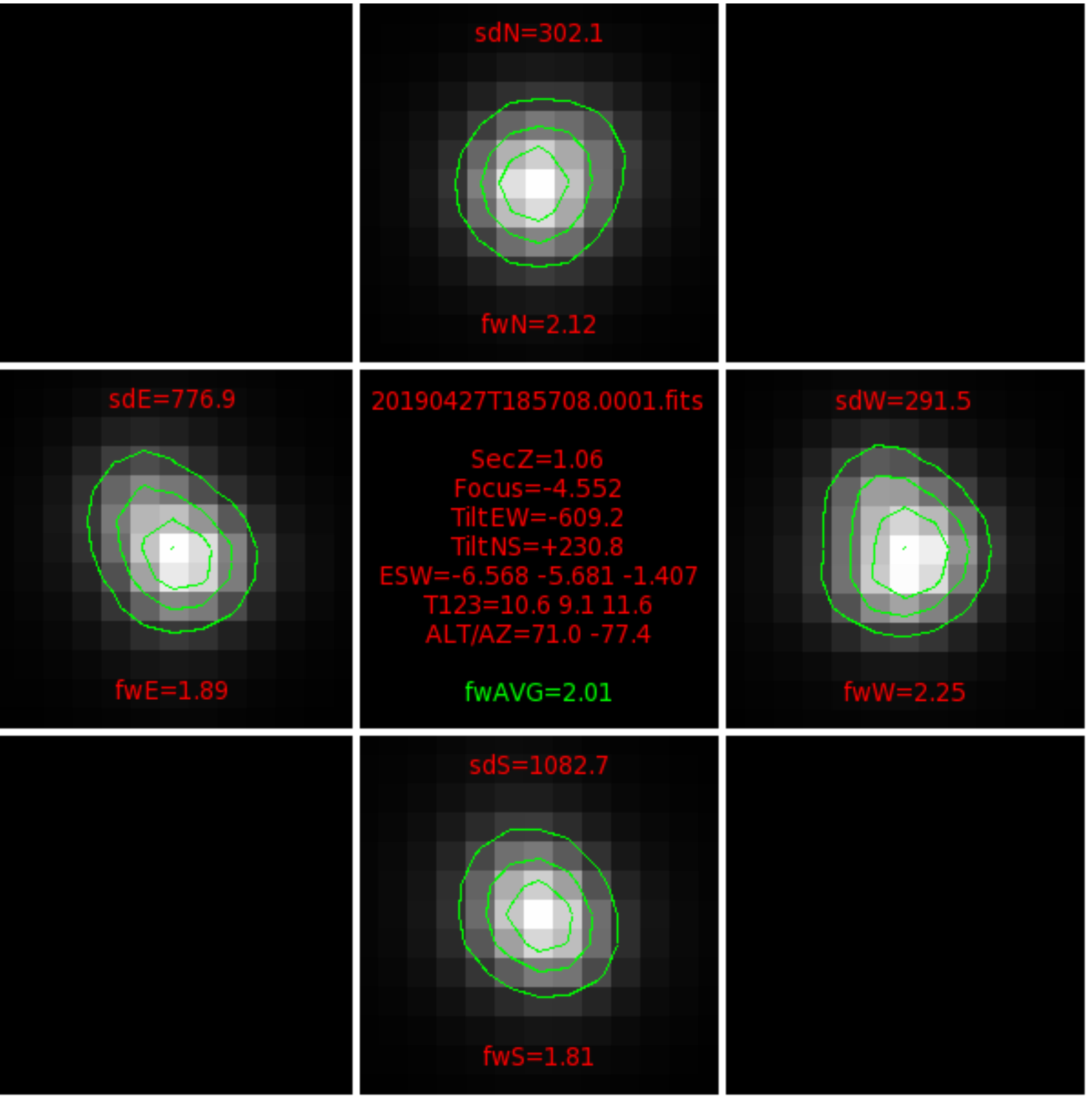
sdN=302.1
fwN=2.12
sdE=776.9
fwE=1.89
20190427T185708.0001.fits
SecZ=1.06
Focus=-4.552
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.568 -5.681 -1.407
T123=10.6 9.1 11.6
ALT/AZ=71.0 -77.4
fwAVG=2.01
sdW=291.5
fwW=2.25
sdS=1082.7
fwS=1.81
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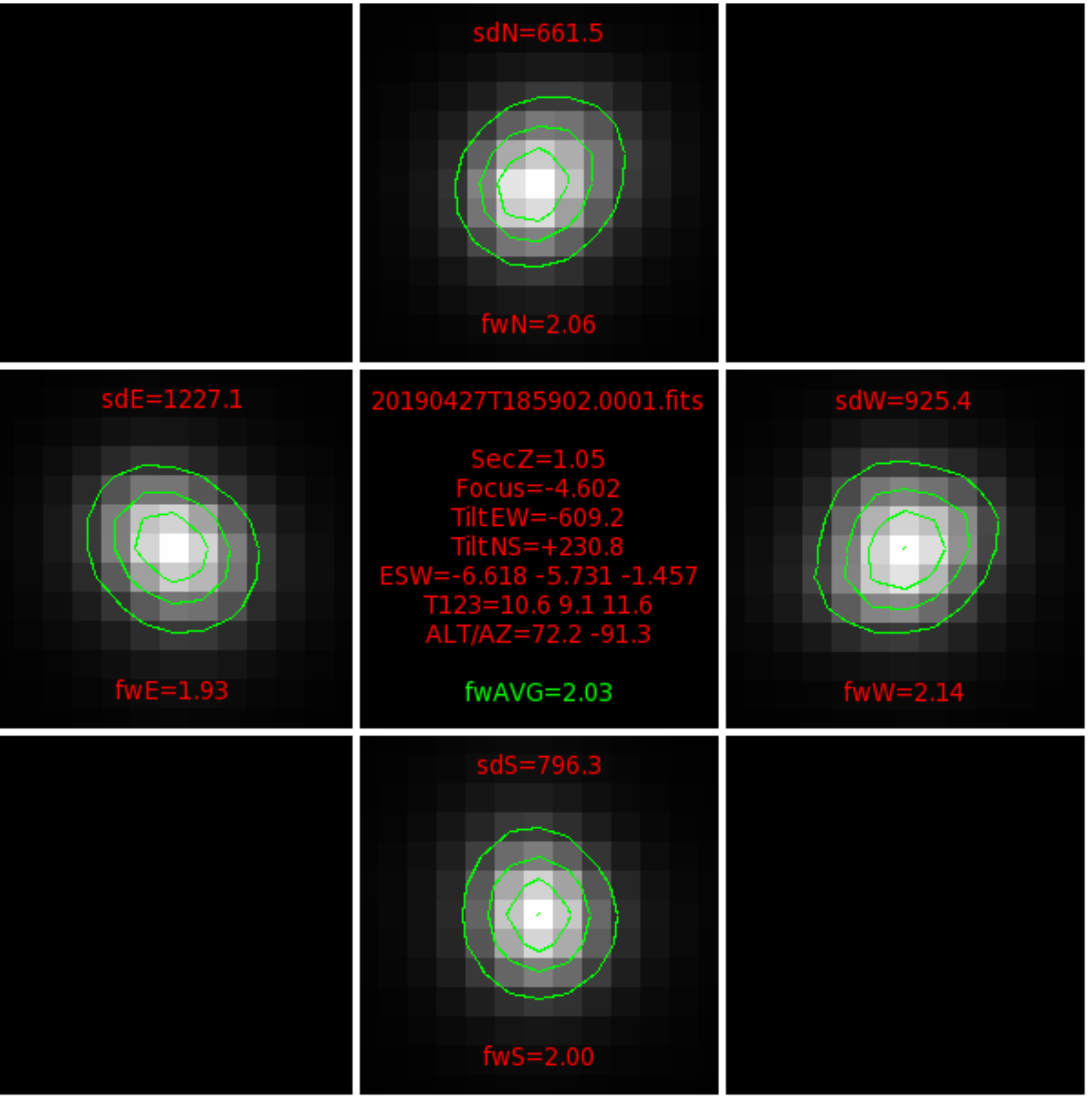
sdN=661.5
fwN=2.06
sdE=1227.1
fwE=1.93
20190427T185902.0001.fits
SecZ=1.05
Focus=-4.602
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.618 -5.731 -1.457
T123=10.6 9.1 11.6
ALT/AZ=72.2 -91.3
fwAVG=2.03
sdW=925.4
fwW=2.14
sdS=796.3
fwS=2.00
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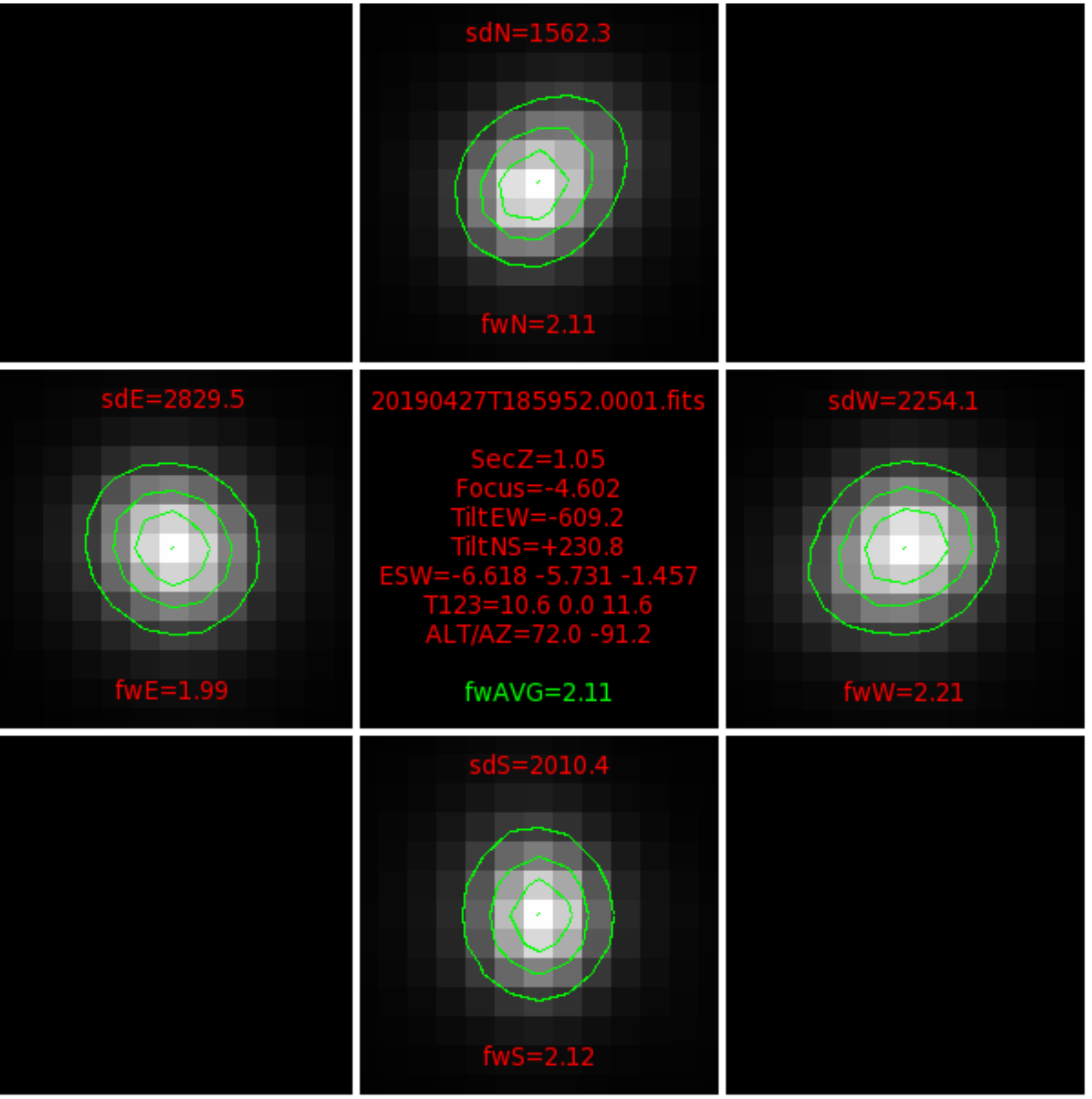
sdN=1562.3
fwN=2.11
sdE=2829.5
fwE=1.99
20190427T185952.0001.fits
SecZ=1.05
Focus=-4.602
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.618 -5.731 -1.457
T123=10.6 0.0 11.6
ALT/AZ=72.0 -91.2
fwAVG=2.11
sdW=2254.1
fwW=2.21
sdS=2010.4
fwS=2.12
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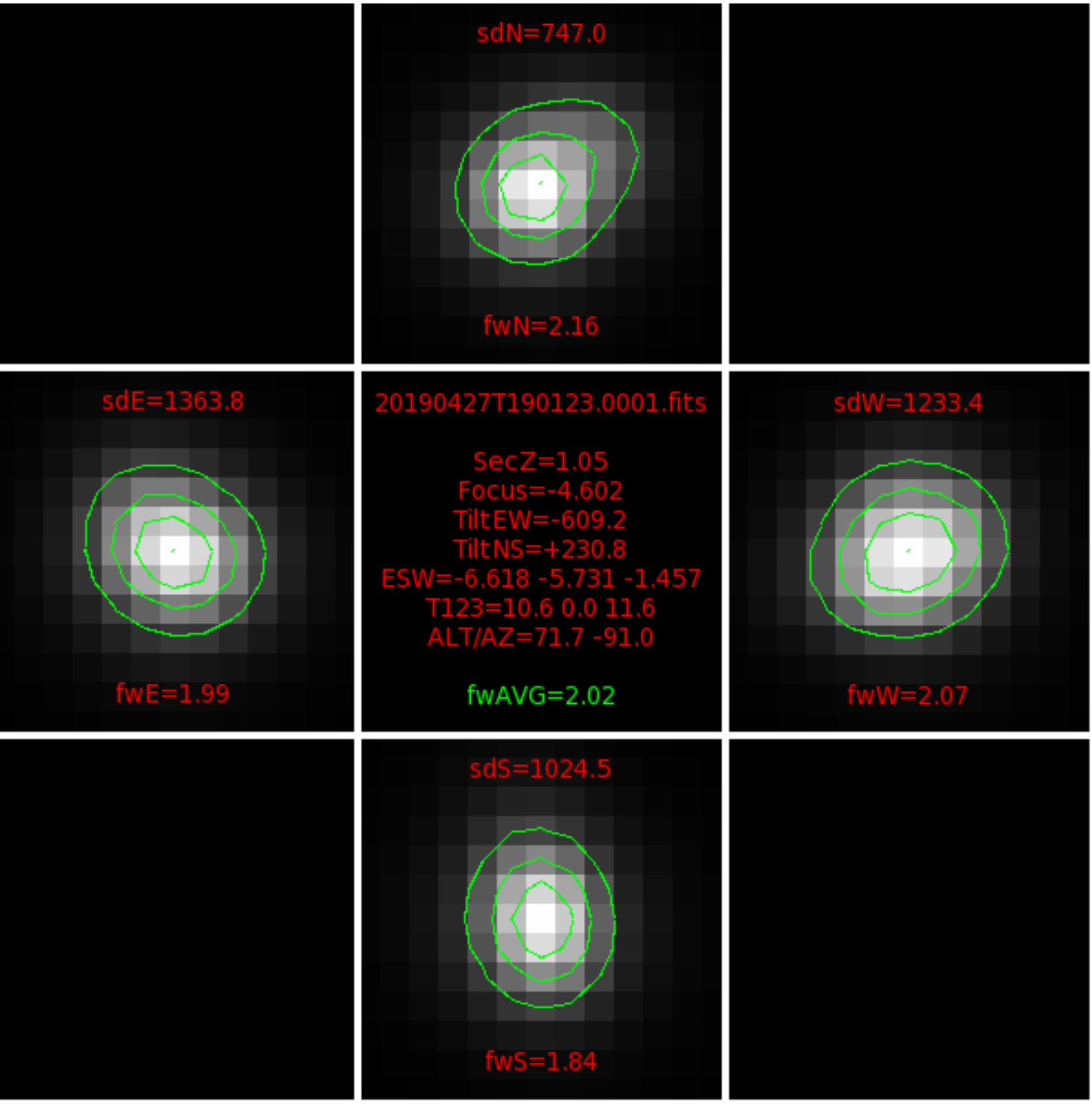
sdN=747.0
fwN=2.16
sdE=1363.8
fwE=1.99
20190427T190123.0001.fits
SecZ=1.05
Focus=-4.602
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.618 -5.731 -1.457
T123=10.6 0.0 11.6
ALT/AZ=71.7 -91.0
fwAVG=2.02
sdW=1233.4
fwW=2.07
sdS=1024.5
fwS=1.84
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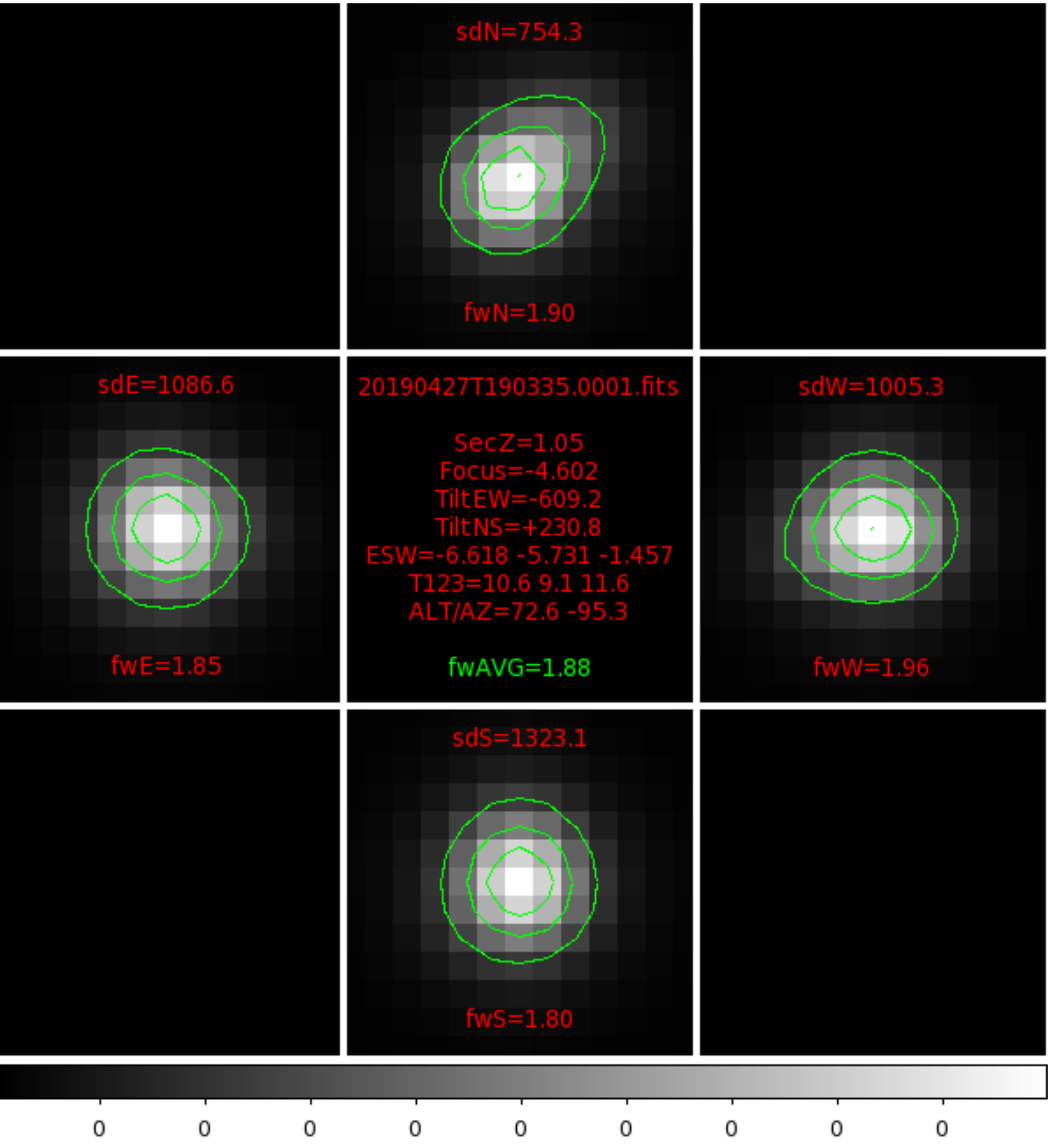
sdN=754.3
fwN=1.90
sdE=1086.6
fwE=1.85
20190427T190335.0001.fits
SecZ=1.05
Focus=-4.602
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.618 -5.731 -1.457
T123=10.6 9.1 11.6
ALT/AZ=72.6 -95.3
fwAVG=1.88
sdW=1005.3
fwW=1.96
sdS=1323.1
fwS=1.80
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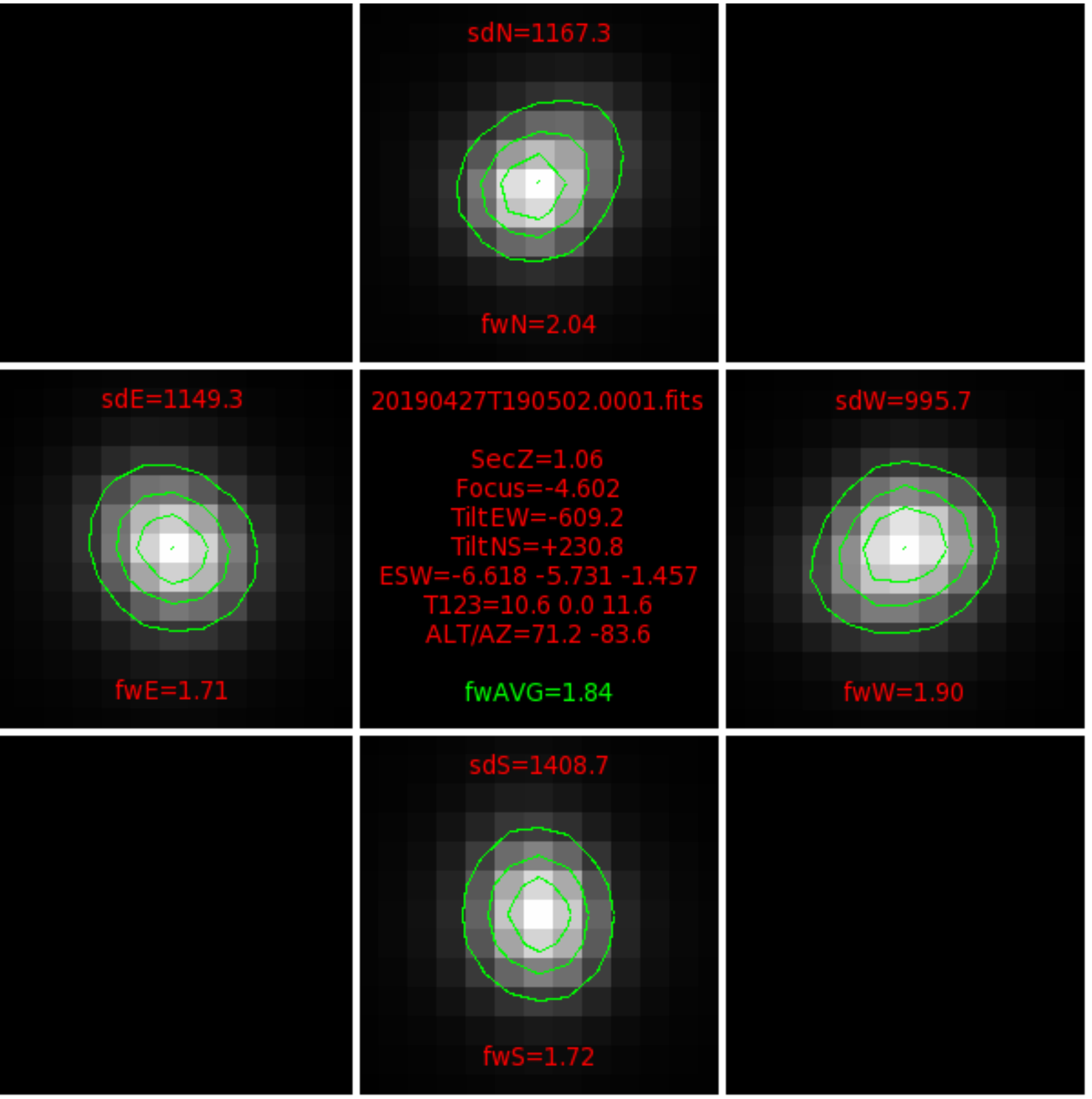
sdN=1167.3
fwN=2.04
sdE=1149.3
fwE=1.71
20190427T190502.0001.fits
SecZ=1.06
Focus=-4.602
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.618 -5.731 -1.457
T123=10.6 0.0 11.6
ALT/AZ=71.2 -83.6
fwAVG=1.84
sdW=995.7
fwW=1.90
sdS=1408.7
fwS=1.72
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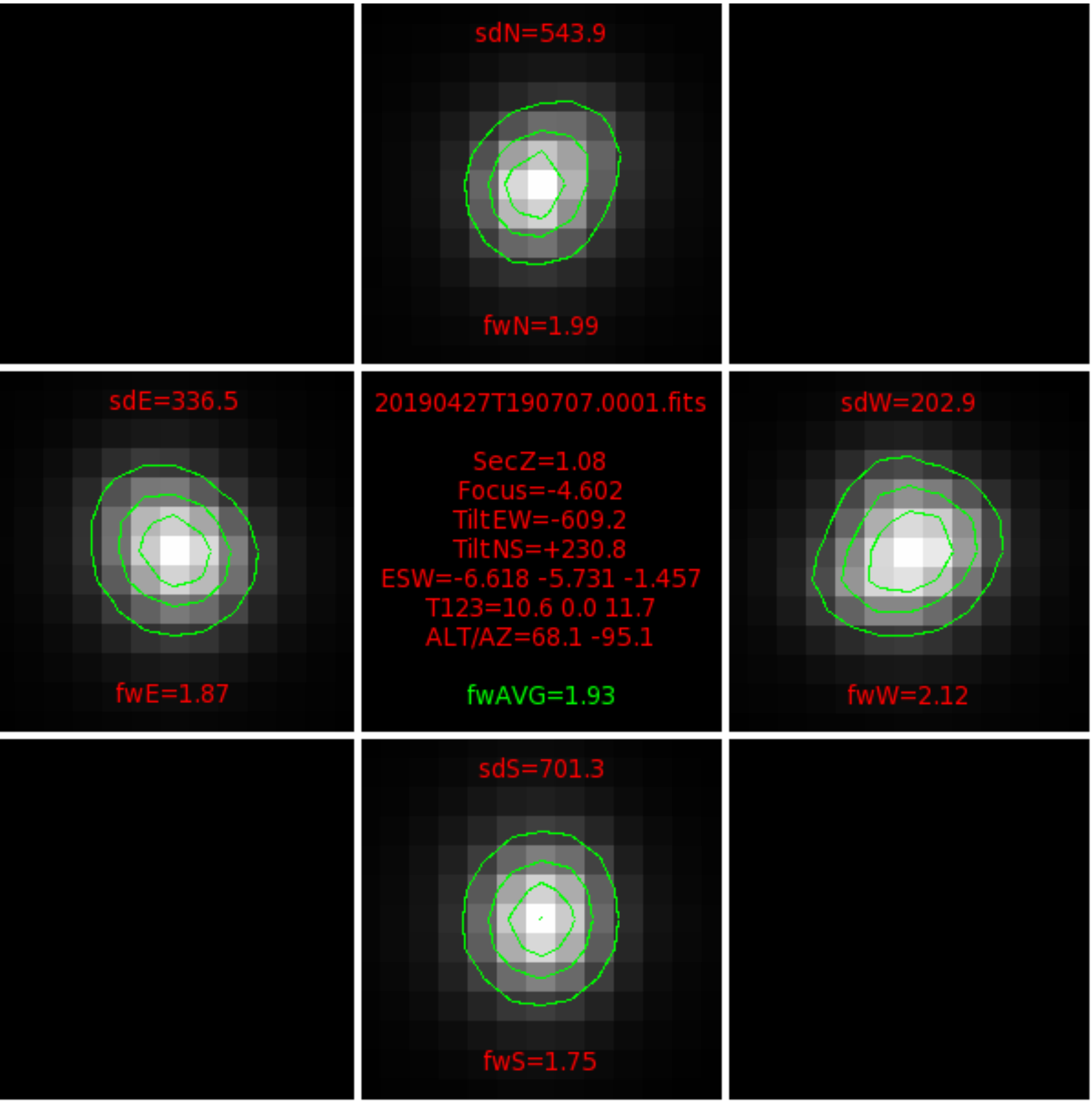
sdN=543.9
fwN=1.99
sdE=336.5
fwE=1.87
20190427T190707.0001.fits
SecZ=1.08
Focus=-4.602
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.618 -5.731 -1.457
T123=10.6 0.0 11.7
ALT/AZ=68.1 -95.1
fwAVG=1.93
sdW=202.9
fwW=2.12
sdS=701.3
fwS=1.75
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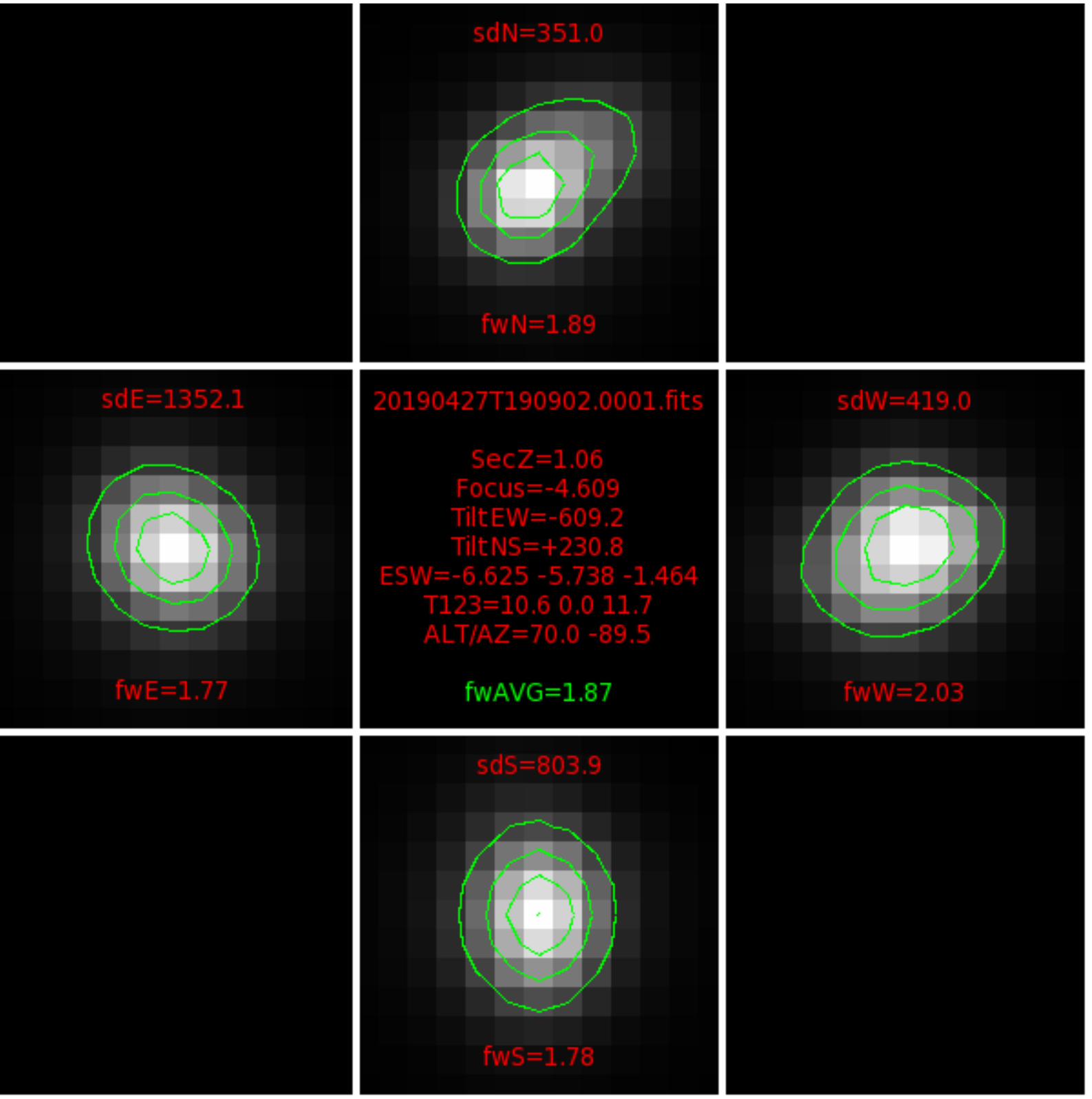
sdN=351.0
fwN=1.89
sdE=1352.1
fwE=1.77
20190427T190902.0001.fits
SecZ=1.06
Focus=-4.609
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.625 -5.738 -1.464
T123=10.6 0.0 11.7
ALT/AZ=70.0 -89.5
fwAVG=1.87
sdW=419.0
fwW=2.03
sdS=803.9
fwS=1.78
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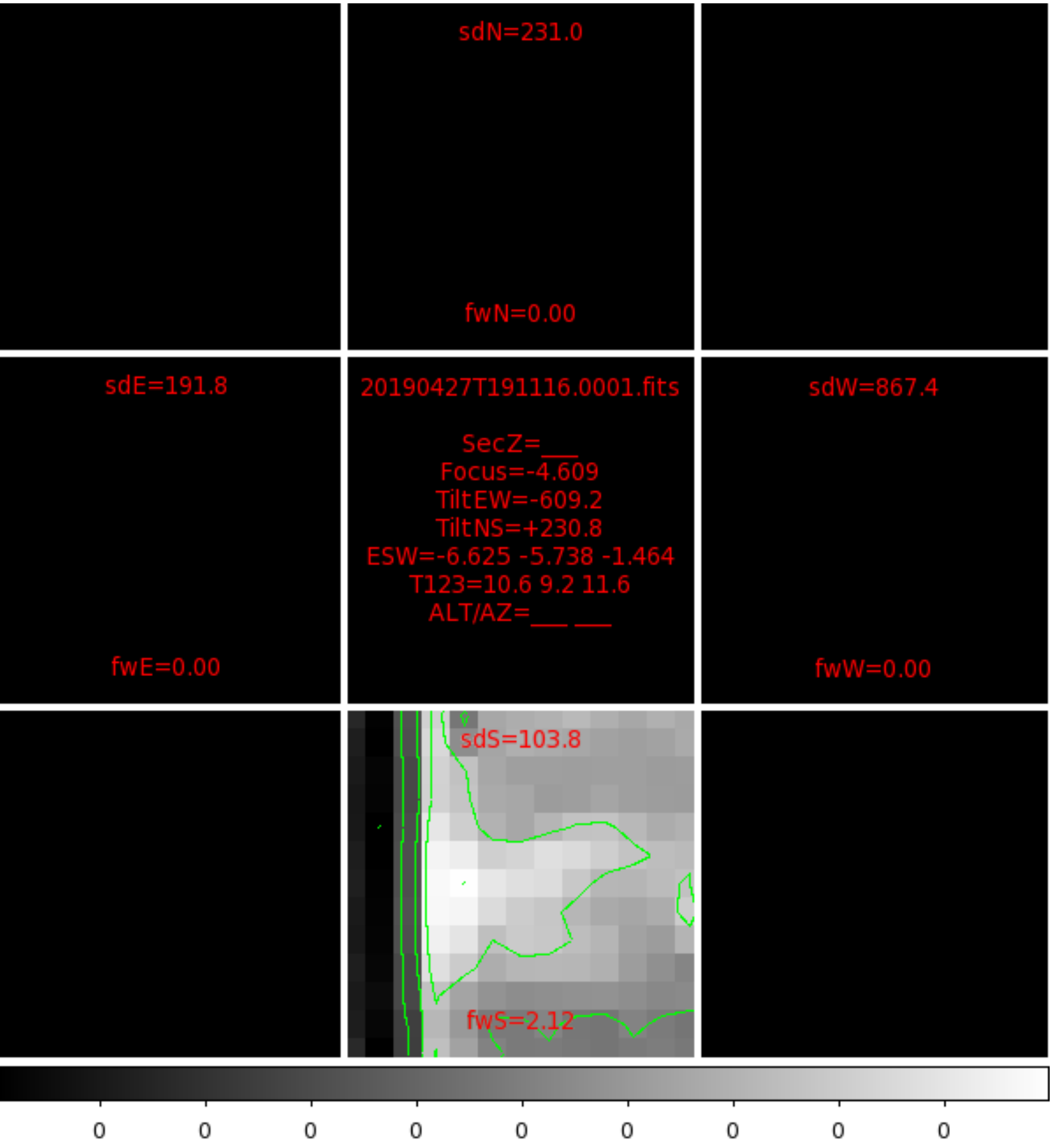
sdN=231.0
fwN=0.00
sdE=191.8
20190427T191116.0001.fits
SecZ=___
Focus=-4.609
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.625 -5.738 -1.464
T123=10.6 9.2 11.6
ALT/AZ=___ ___
sdW=867.4
fwE=0.00
fwW=0.00
sdS=103.8
fwS=2.12
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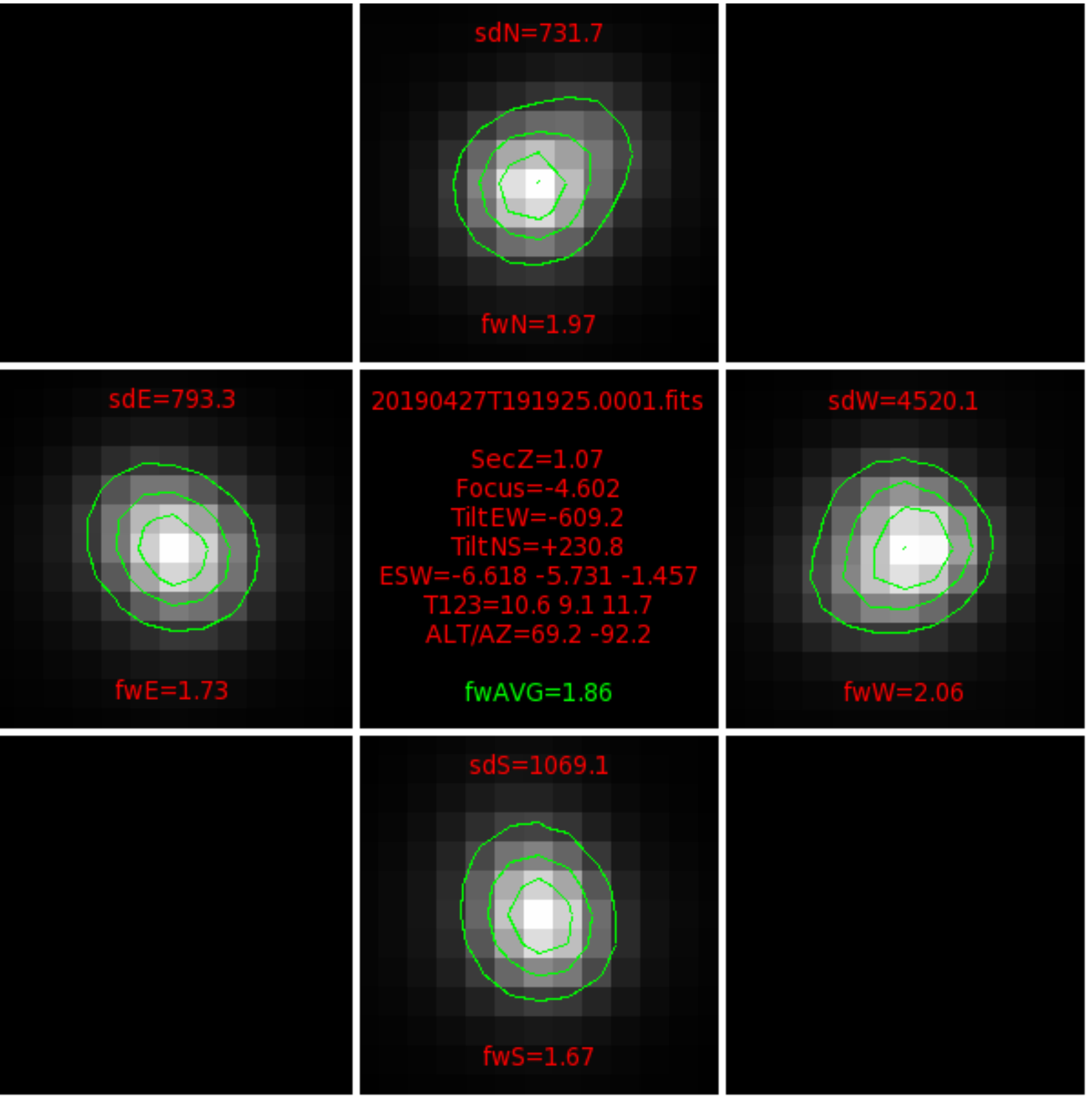
sdN=731.7
fwN=1.97
sdE=793.3
fwE=1.73
20190427T191925.0001.fits
SecZ=1.07
Focus=-4.602
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.618 -5.731 -1.457
T123=10.6 9.1 11.7
ALT/AZ=69.2 -92.2
fwAVG=1.86
sdW=4520.1
fwW=2.06
sdS=1069.1
fwS=1.67
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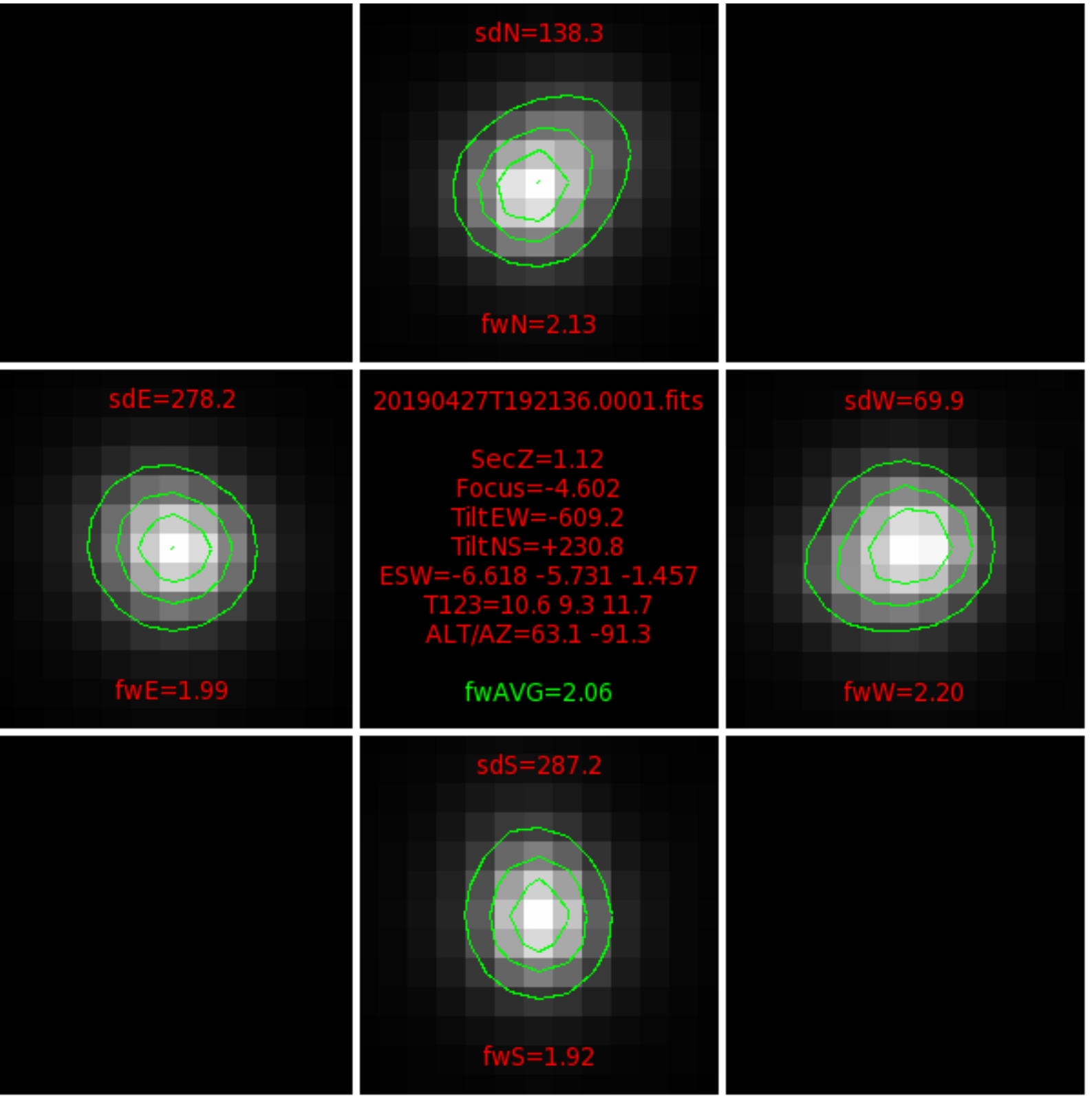
sdN=138.3
fwN=2.13
sdE=278.2
fwE=1.99
20190427T192136.0001.fits
SecZ=1.12
Focus=-4.602
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.618 -5.731 -1.457
T123=10.6 9.3 11.7
ALT/AZ=63.1 -91.3
fwAVG=2.06
sdW=69.9
fwW=2.20
sdS=287.2
fwS=1.92
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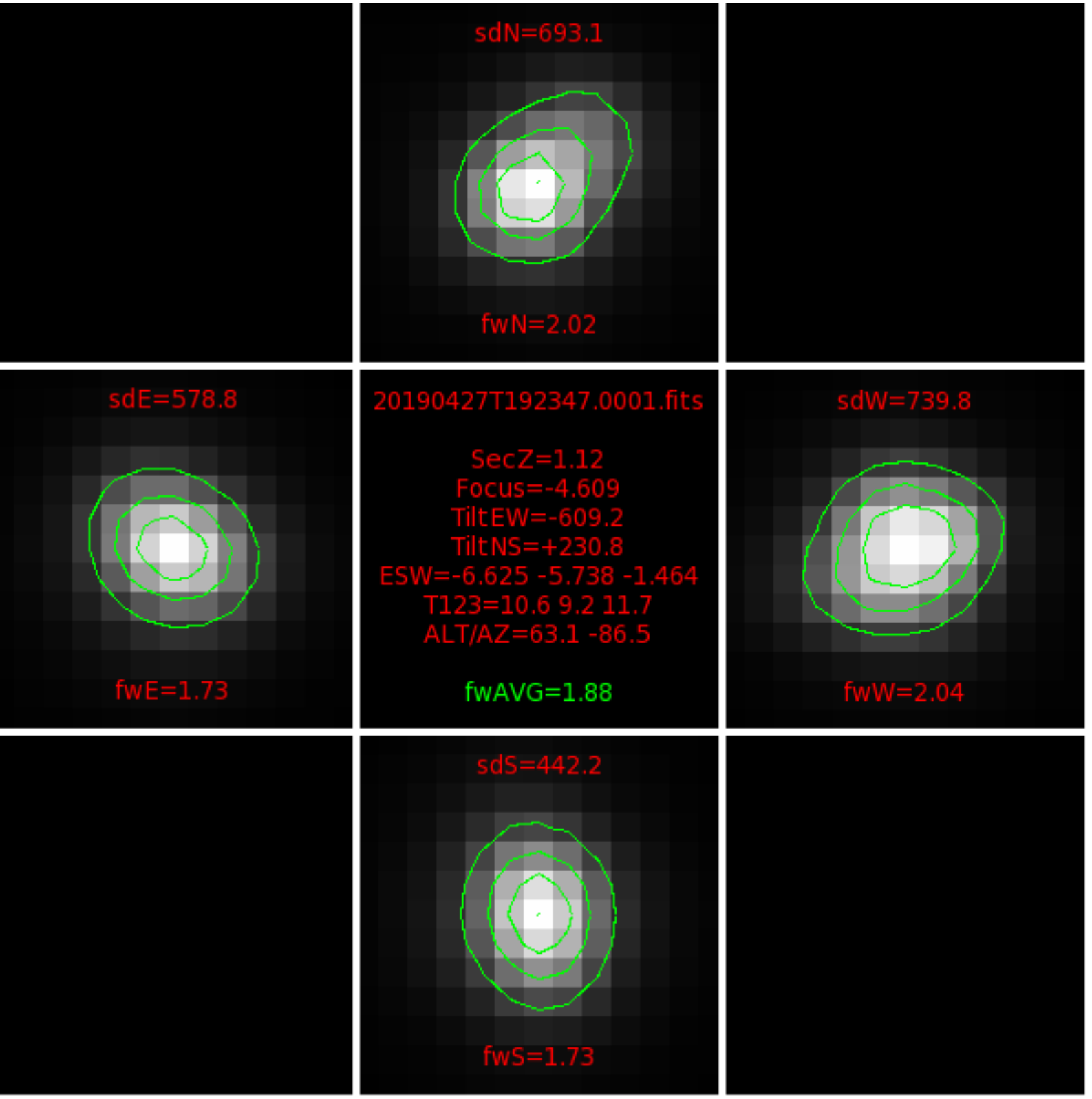
sdN=693.1
fwN=2.02
sdE=578.8
fwE=1.73
20190427T192347.0001.fits
SecZ=1.12
Focus=-4.609
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.625 -5.738 -1.464
T123=10.6 9.2 11.7
ALT/AZ=63.1 -86.5
fwAVG=1.88
sdW=739.8
fwW=2.04
sdS=442.2
fwS=1.73
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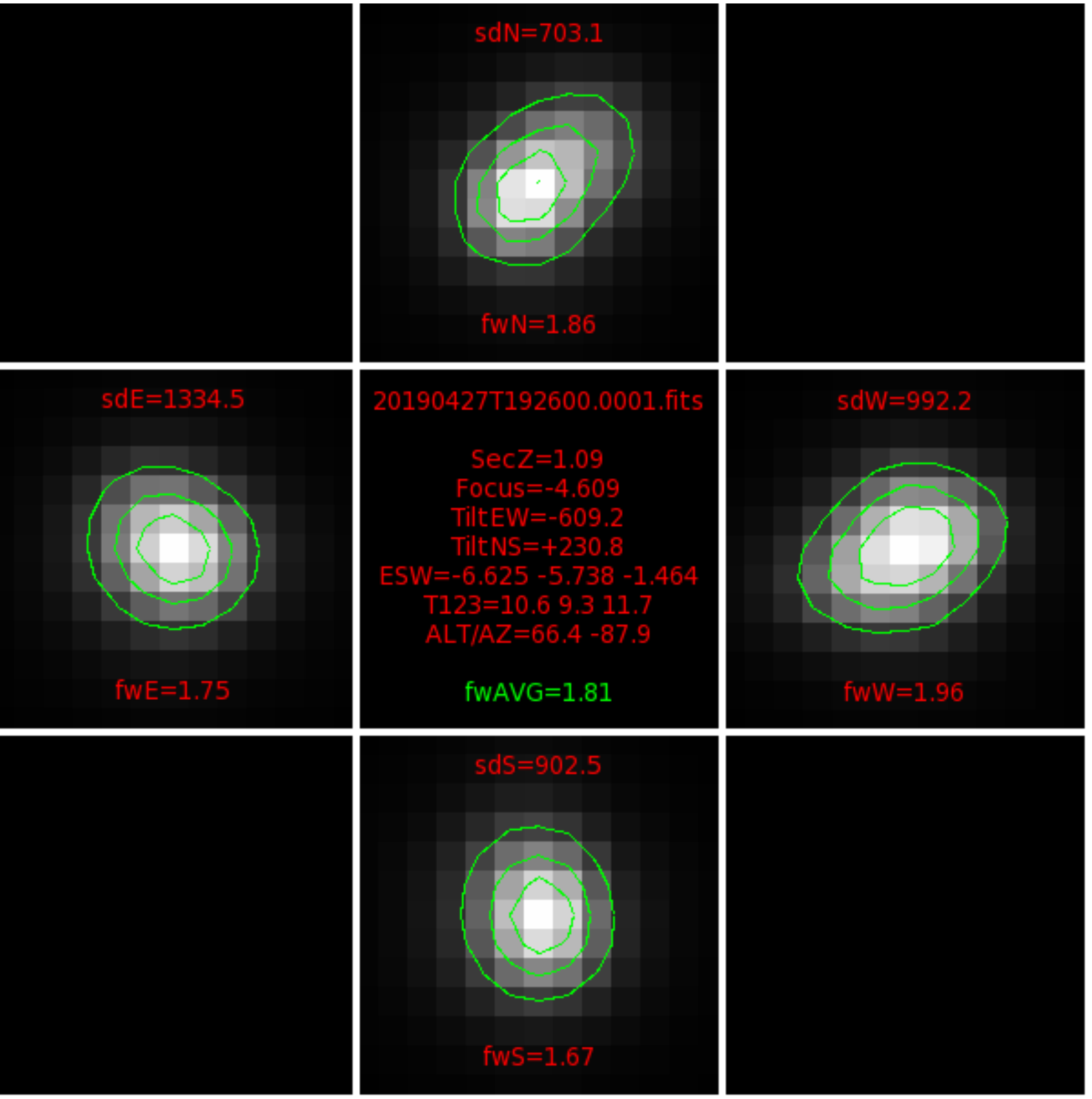
sdN=703.1
fwN=1.86
sdE=1334.5
fwE=1.75
20190427T192600.0001.fits
SecZ=1.09
Focus=-4.609
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.625 -5.738 -1.464
T123=10.6 9.3 11.7
ALT/AZ=66.4 -87.9
fwAVG=1.81
sdW=992.2
fwW=1.96
sdS=902.5
fwS=1.67
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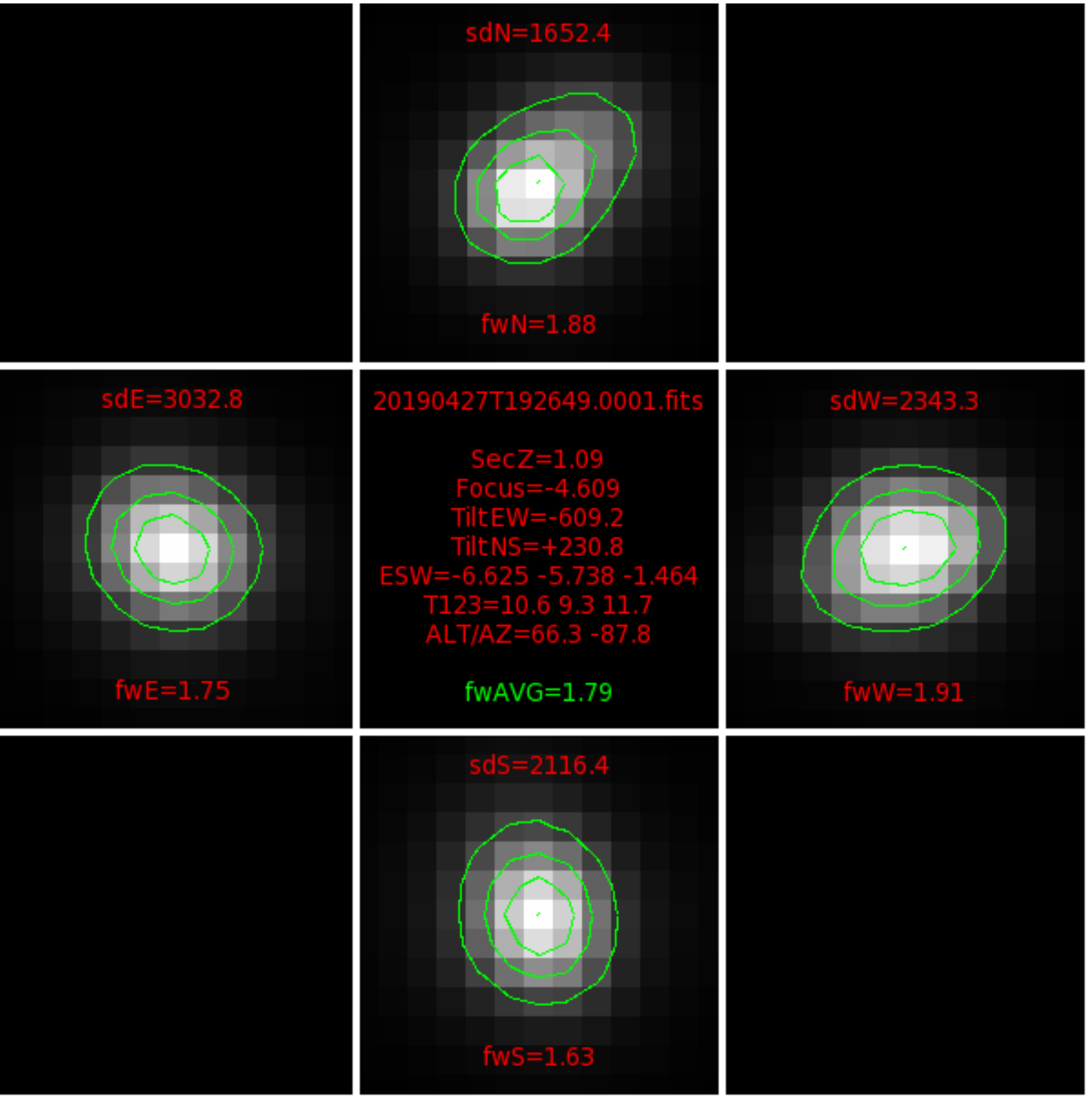
sdN=1652.4
fwN=1.88
sdE=3032.8
fwE=1.75
20190427T192649.0001.fits
SecZ=1.09
Focus=-4.609
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.625 -5.738 -1.464
T123=10.6 9.3 11.7
ALT/AZ=66.3 -87.8
fwAVG=1.79
sdW=2343.3
fwW=1.91
sdS=2116.4
fwS=1.63
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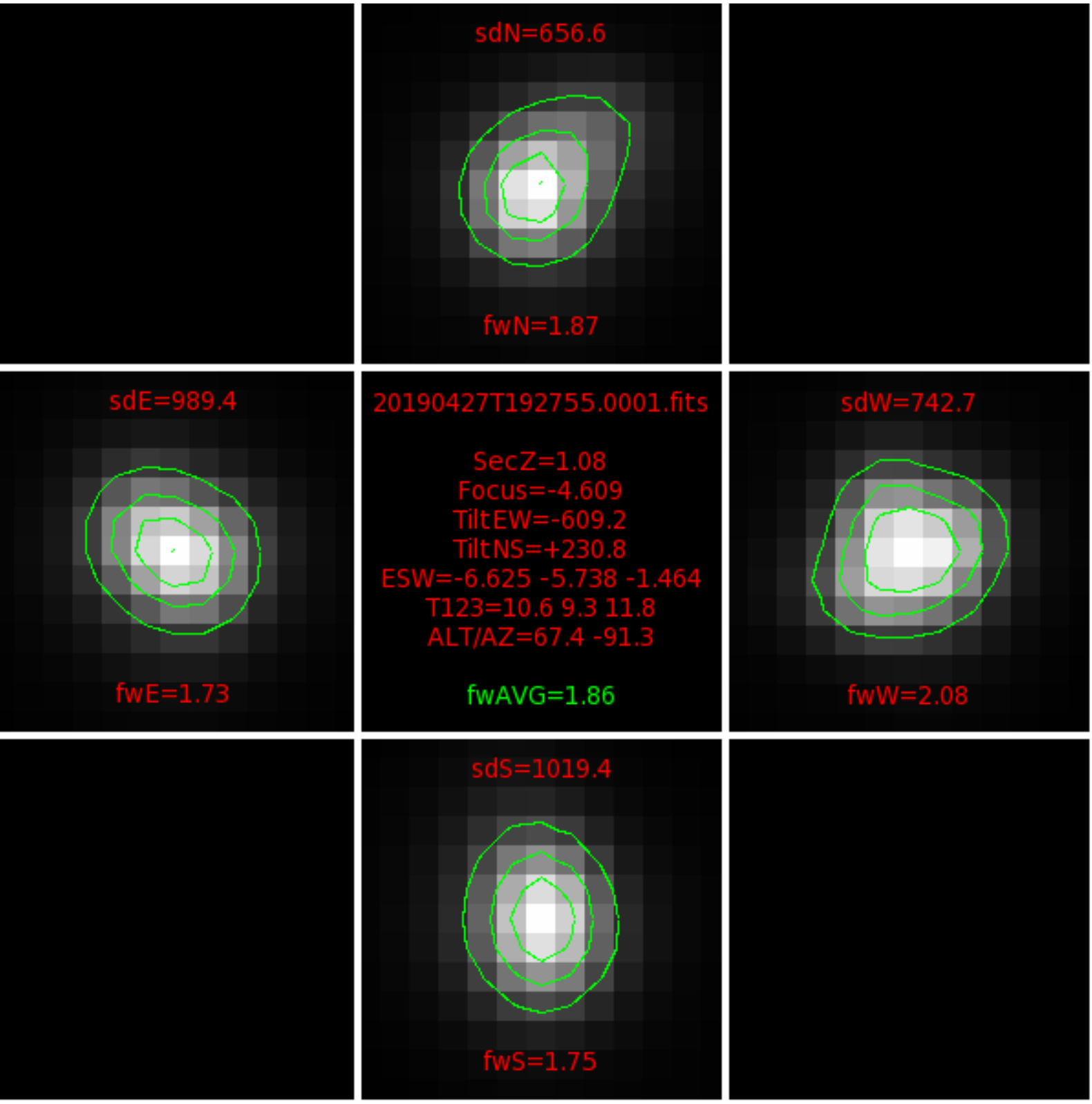
sdN=656.6
fwN=1.87
sdE=989.4
fwE=1.73
20190427T192755.0001.fits
SecZ=1.08
Focus=-4.609
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.625 -5.738 -1.464
T123=10.6 9.3 11.8
ALT/AZ=67.4 -91.3
fwAVG=1.86
sdW=742.7
fwW=2.08
sdS=1019.4
fwS=1.75
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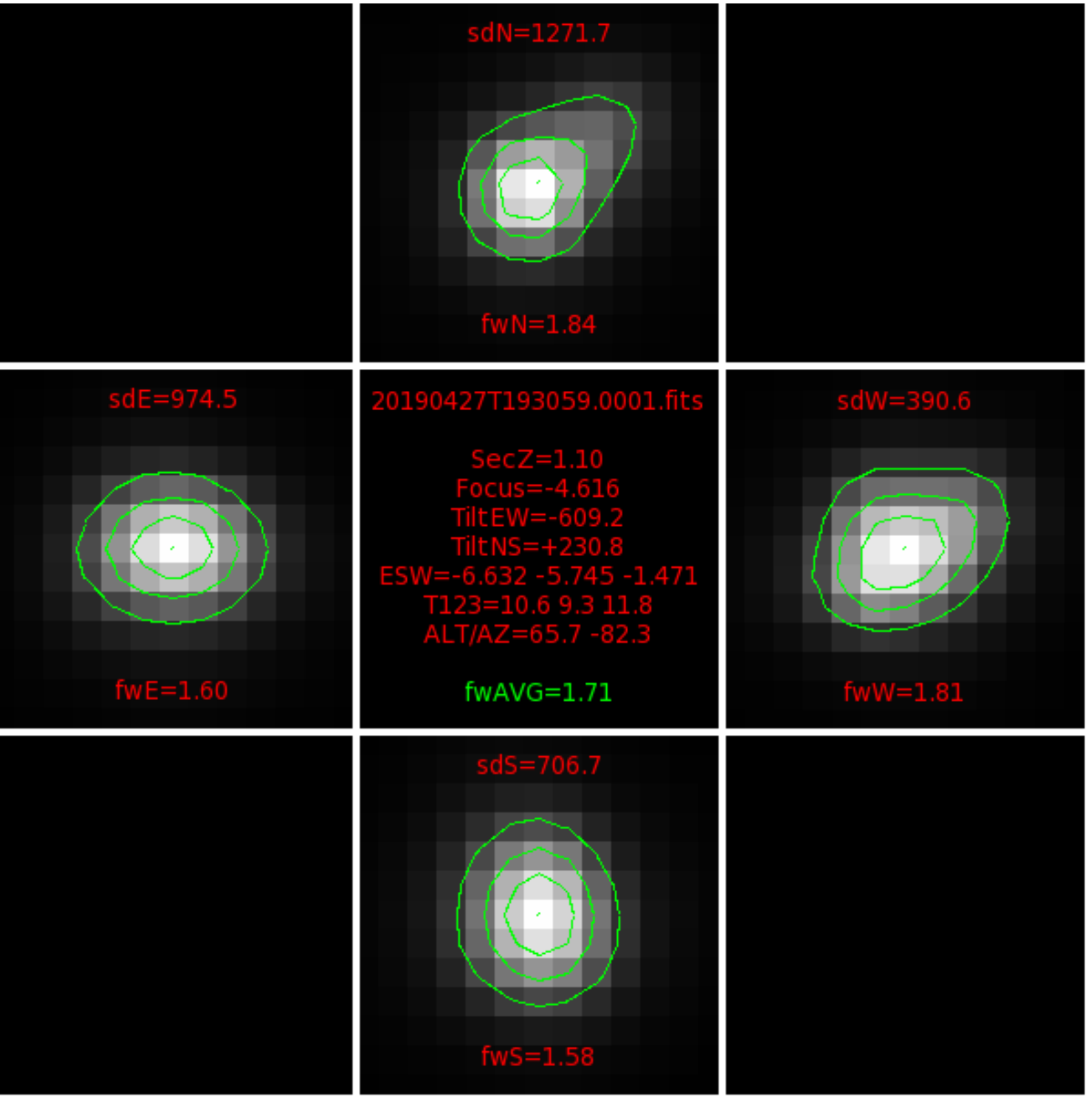
sdN=1271.7
fwN=1.84
sdE=974.5
fwE=1.60
20190427T193059.0001.fits
SecZ=1.10
Focus=-4.616
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.632 -5.745 -1.471
T123=10.6 9.3 11.8
ALT/AZ=65.7 -82.3
fwAVG=1.71
sdW=390.6
fwW=1.81
sdS=706.7
fwS=1.58
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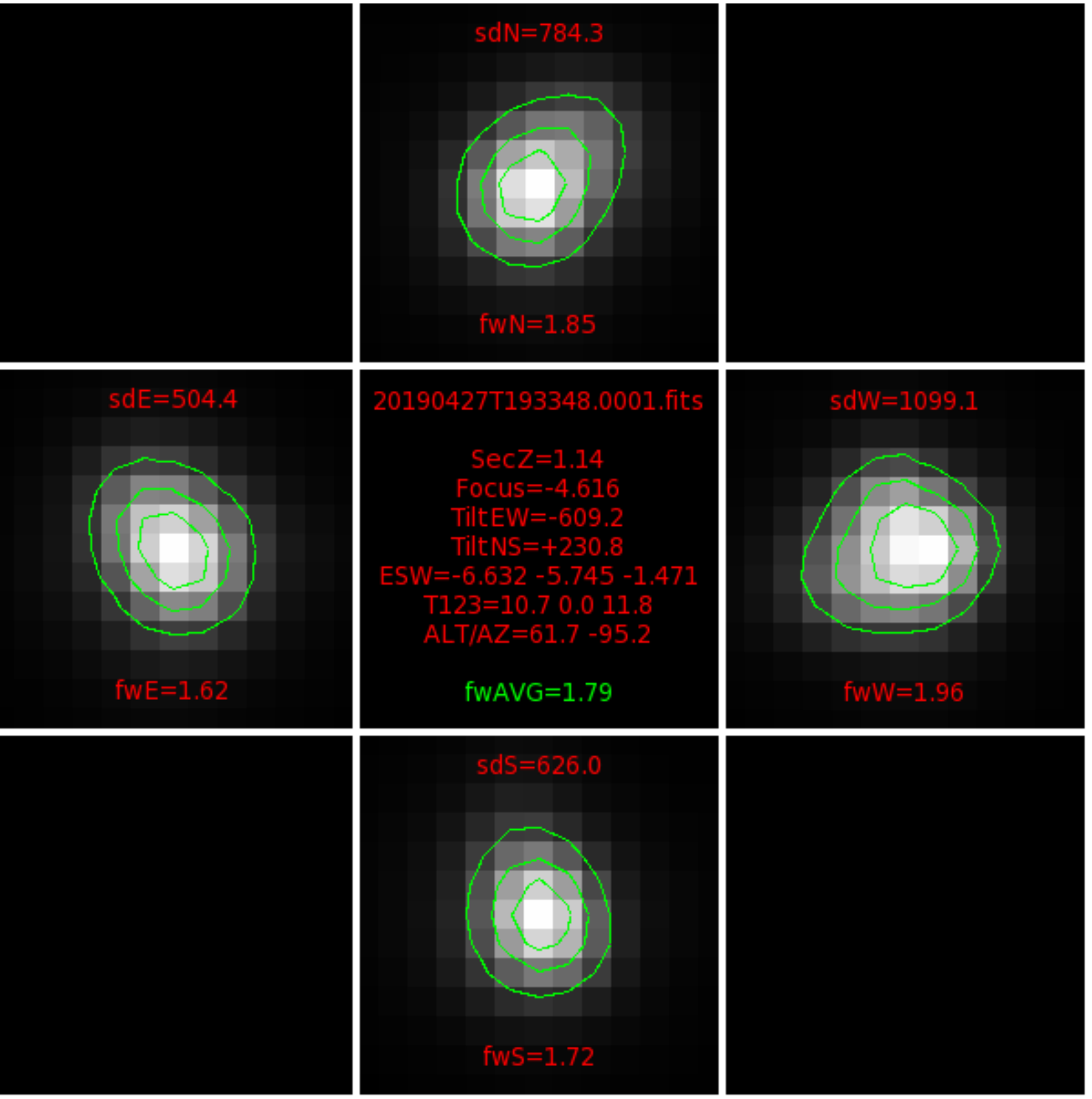
sdN=784.3
fwN=1.85
sdE=504.4
fwE=1.62
20190427T193348.0001.fits
SecZ=1.14
Focus=-4.616
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.632 -5.745 -1.471
T123=10.7 0.0 11.8
ALT/AZ=61.7 -95.2
fwAVG=1.79
sdW=1099.1
fwW=1.96
sdS=626.0
fwS=1.72
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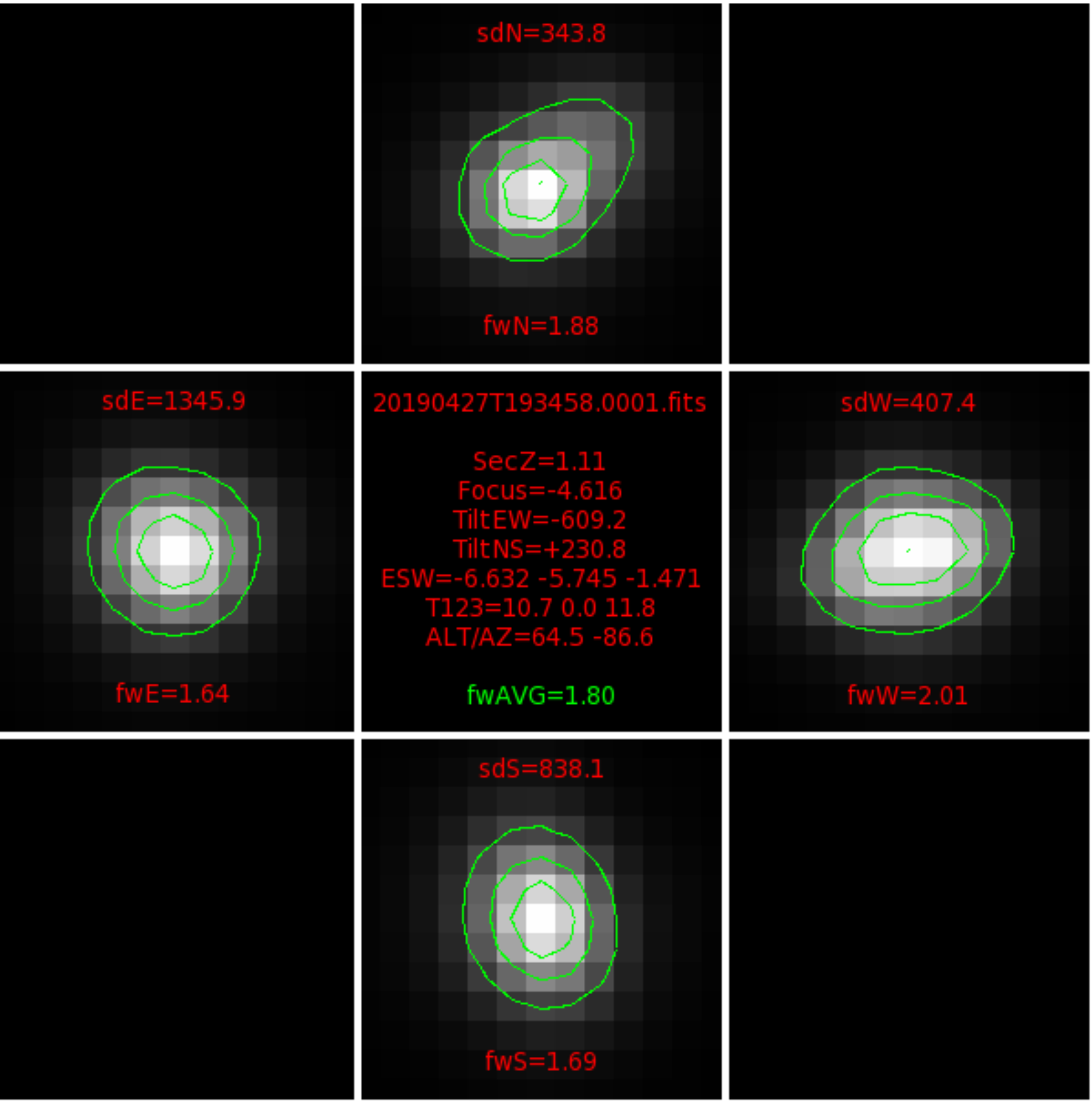
sdN=343.8
fwN=1.88
sdE=1345.9
fwE=1.64
20190427T193458.0001.fits
SecZ=1.11
Focus=-4.616
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.632 -5.745 -1.471
T123=10.7 0.0 11.8
ALT/AZ=64.5 -86.6
fwAVG=1.80
sdW=407.4
fwW=2.01
sdS=838.1
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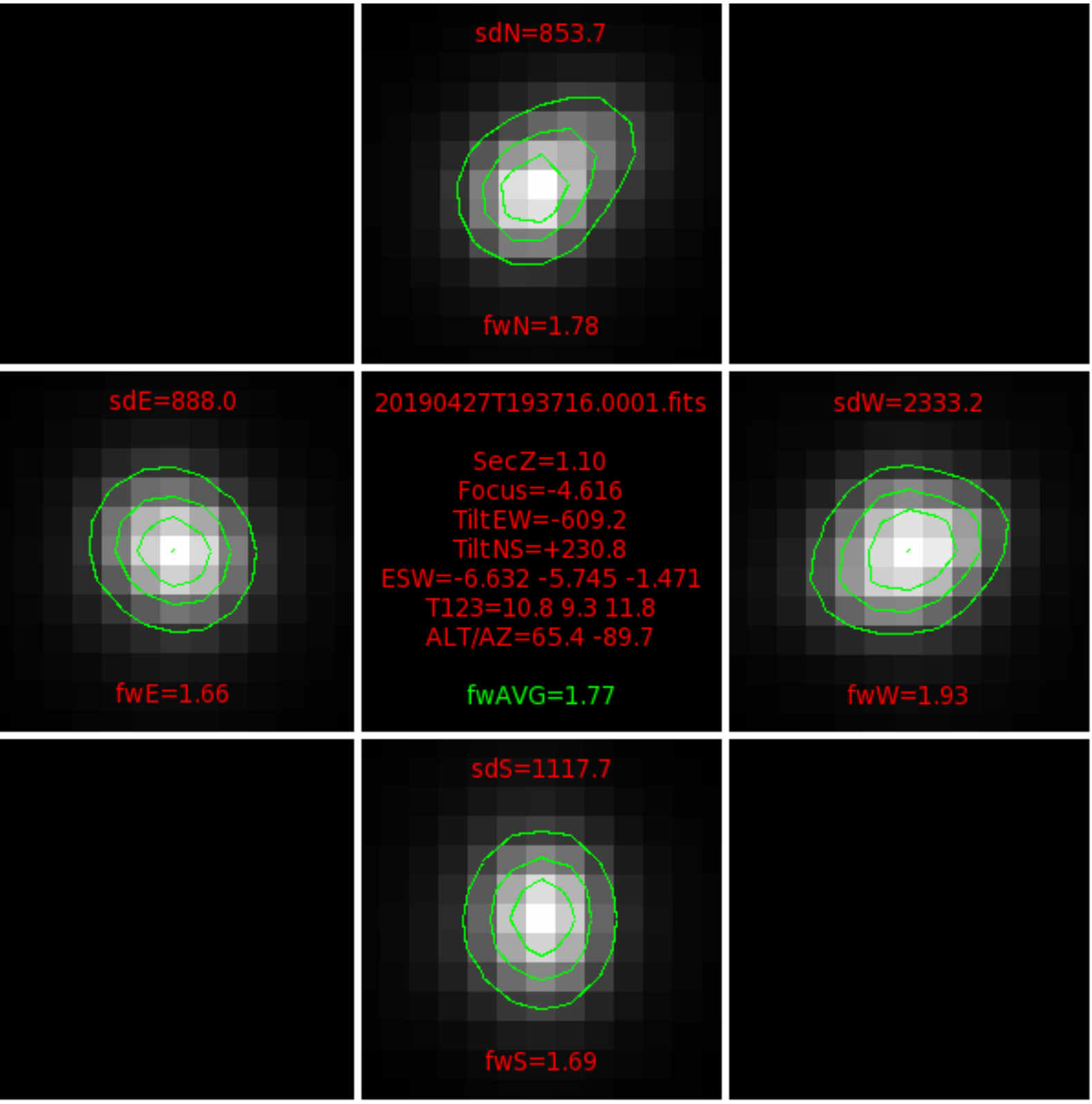
sdN=853.7
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sdE=888.0
fwE=1.66
20190427T193716.0001.fits
SecZ=1.10
Focus=-4.616
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.632 -5.745 -1.471
T123=10.8 9.3 11.8
ALT/AZ=65.4 -89.7
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sdW=2333.2
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sdS=1117.7
fwS=1.69
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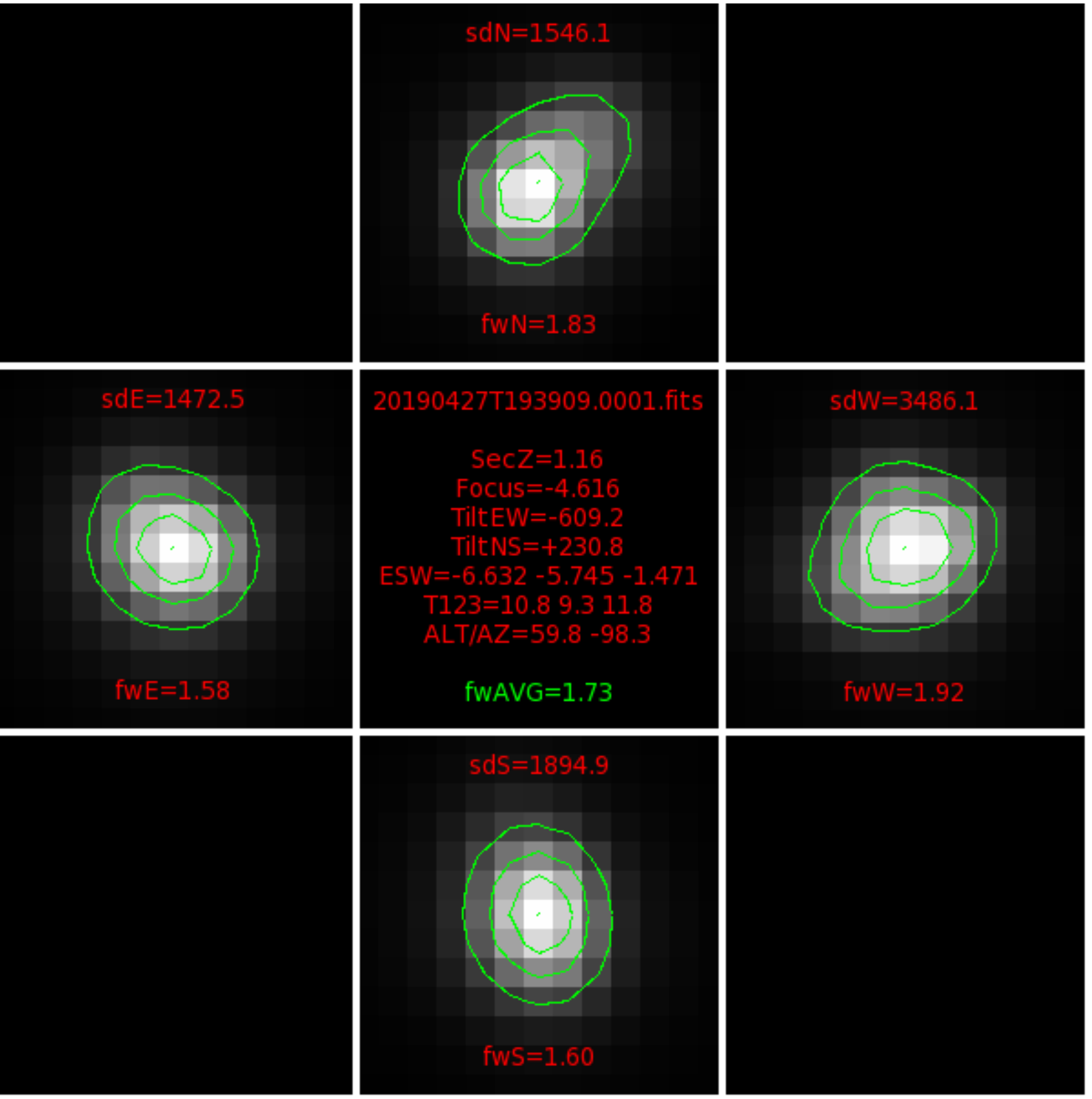
sdN=1546.1
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sdE=1472.5
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20190427T193909.0001.fits
SecZ=1.16
Focus=-4.616
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.632 -5.745 -1.471
T123=10.8 9.3 11.8
ALT/AZ=59.8 -98.3
fwAVG=1.73
sdW=3486.1
fwW=1.92
sdS=1894.9
fwS=1.60
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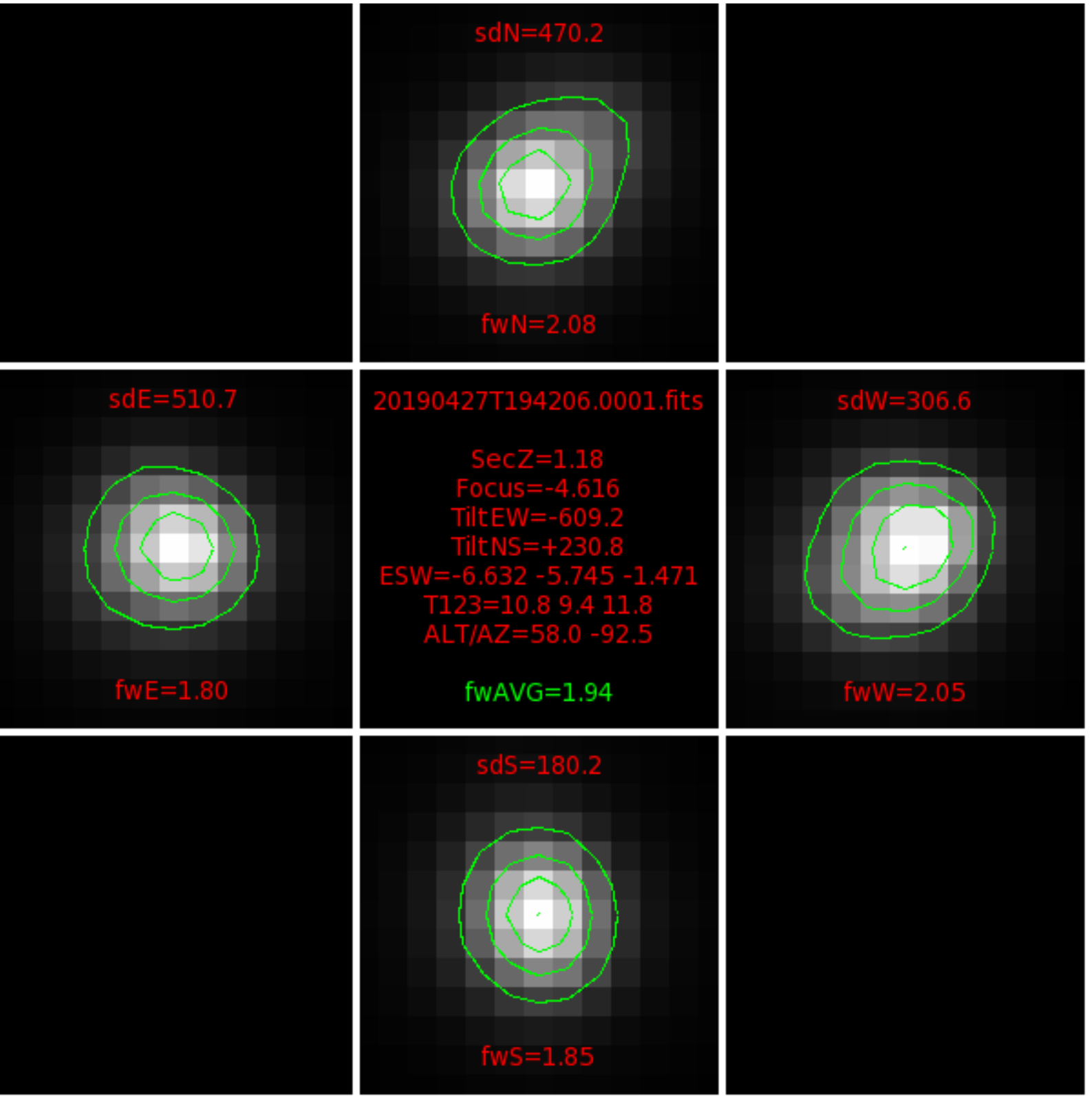
sdN=470.2
fwN=2.08
sdE=510.7
fwE=1.80
20190427T194206.0001.fits
SecZ=1.18
Focus=-4.616
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.632 -5.745 -1.471
T123=10.8 9.4 11.8
ALT/AZ=58.0 -92.5
fwAVG=1.94
sdW=306.6
fwW=2.05
sdS=180.2
fwS=1.85
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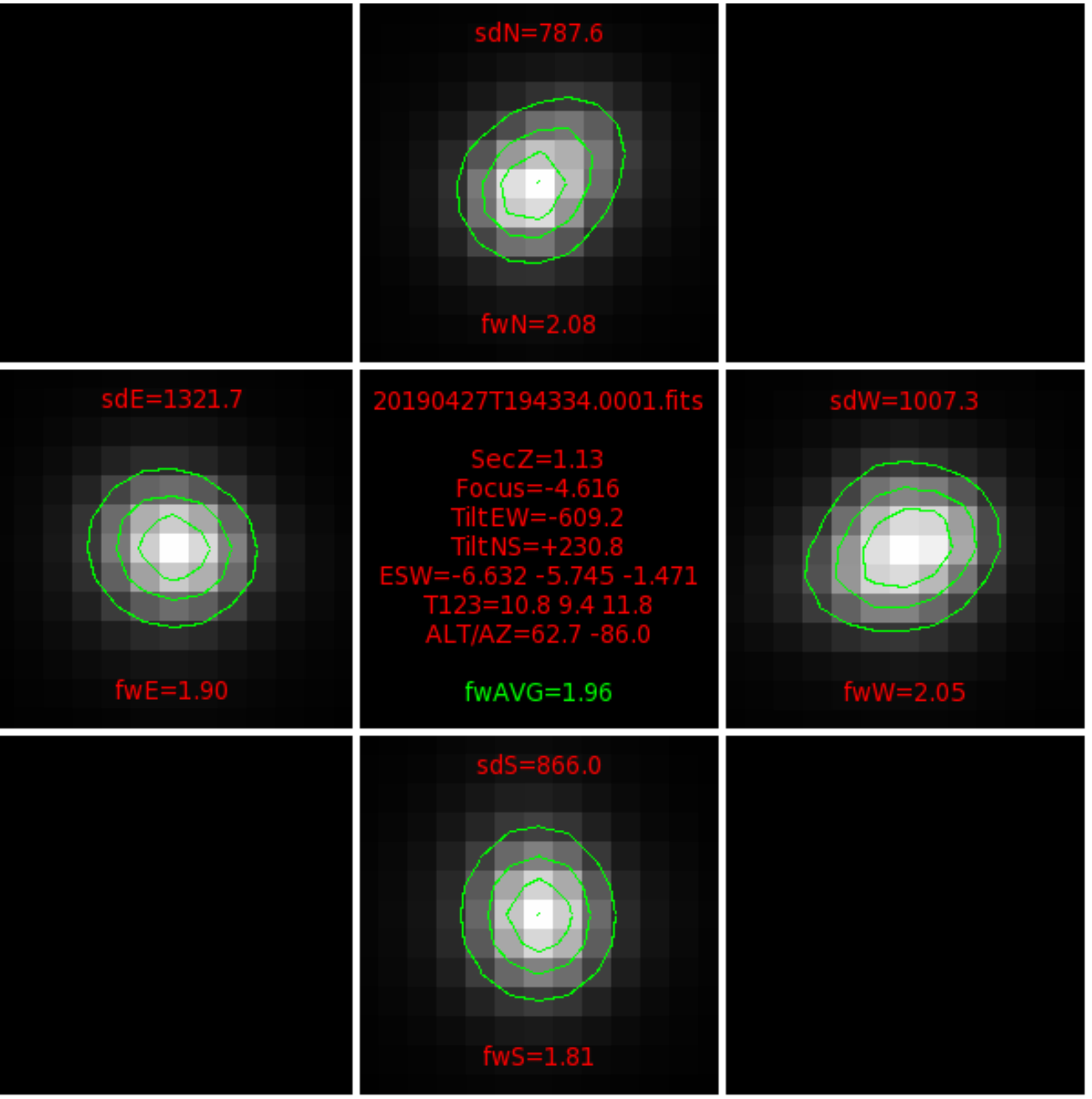
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sdE=1321.7
fwE=1.90
20190427T194334.0001.fits
SecZ=1.13
Focus=-4.616
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.632 -5.745 -1.471
T123=10.8 9.4 11.8
ALT/AZ=62.7 -86.0
fwAVG=1.96
sdW=1007.3
fwW=2.05
sdS=866.0
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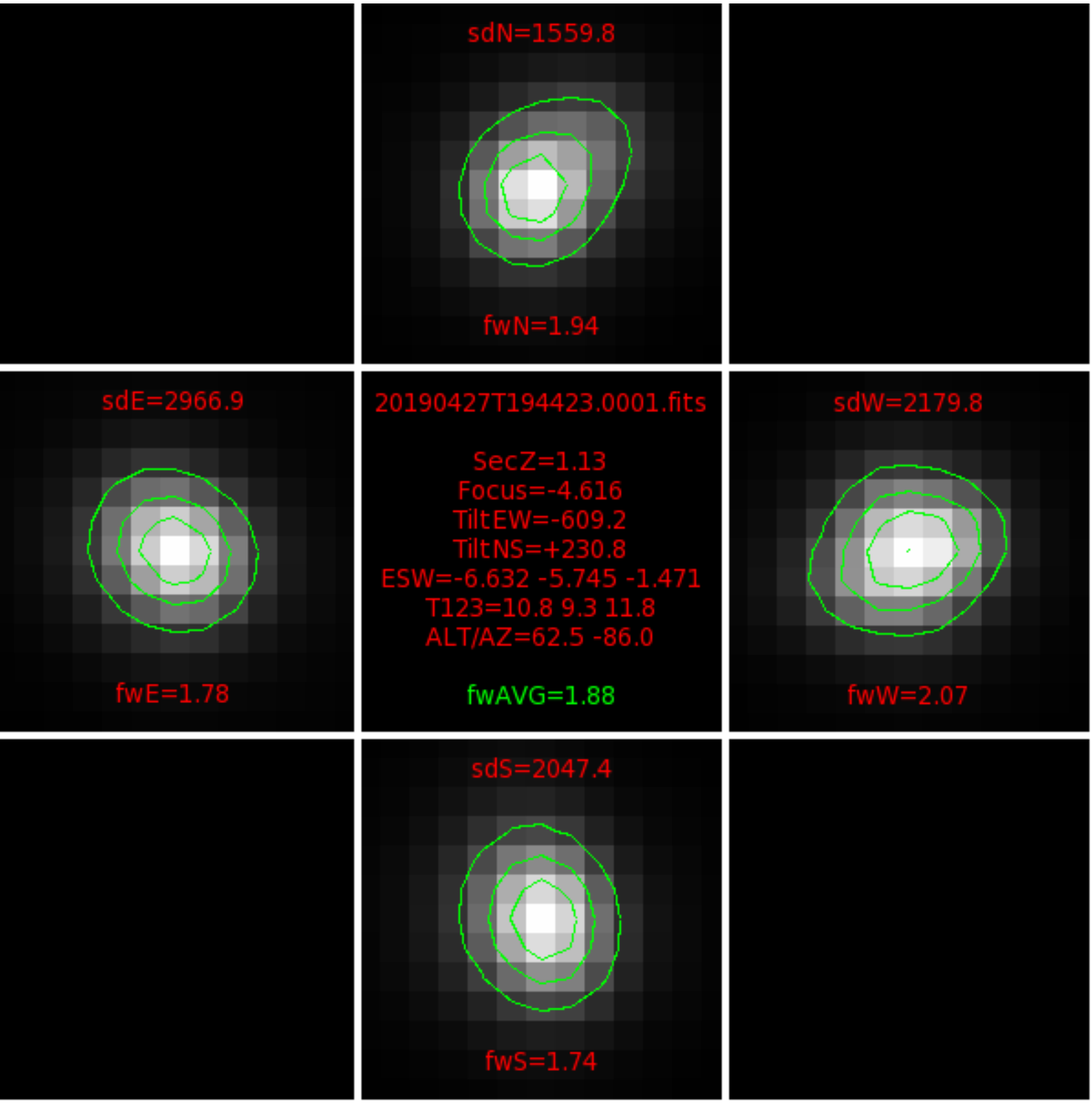
sdN=1559.8
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sdE=2966.9
fwE=1.78
20190427T194423.0001.fits
SecZ=1.13
Focus=-4.616
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.632 -5.745 -1.471
T123=10.8 9.3 11.8
ALT/AZ=62.5 -86.0
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sdW=2179.8
fwW=2.07
sdS=2047.4
fwS=1.74
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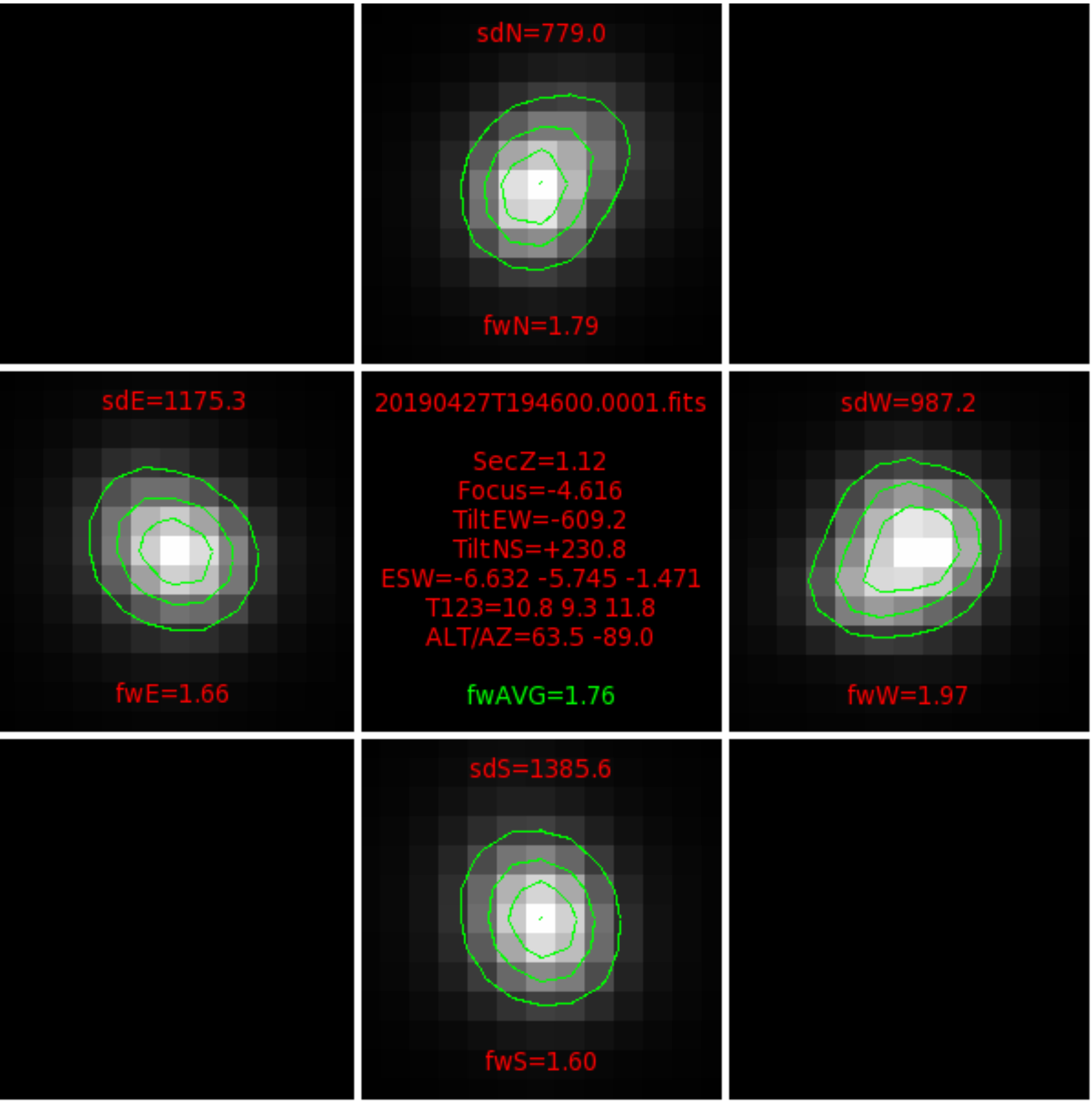
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fwN=1.79
sdE=1175.3
fwE=1.66
20190427T194600.0001.fits
SecZ=1.12
Focus=-4.616
TiltEW=-609.2
TiltNS=+230.8
ESW=-6.632 -5.745 -1.471
T123=10.8 9.3 11.8
ALT/AZ=63.5 -89.0
fwAVG=1.76
sdW=987.2
fwW=1.97
sdS=1385.6
fwS=1.60
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