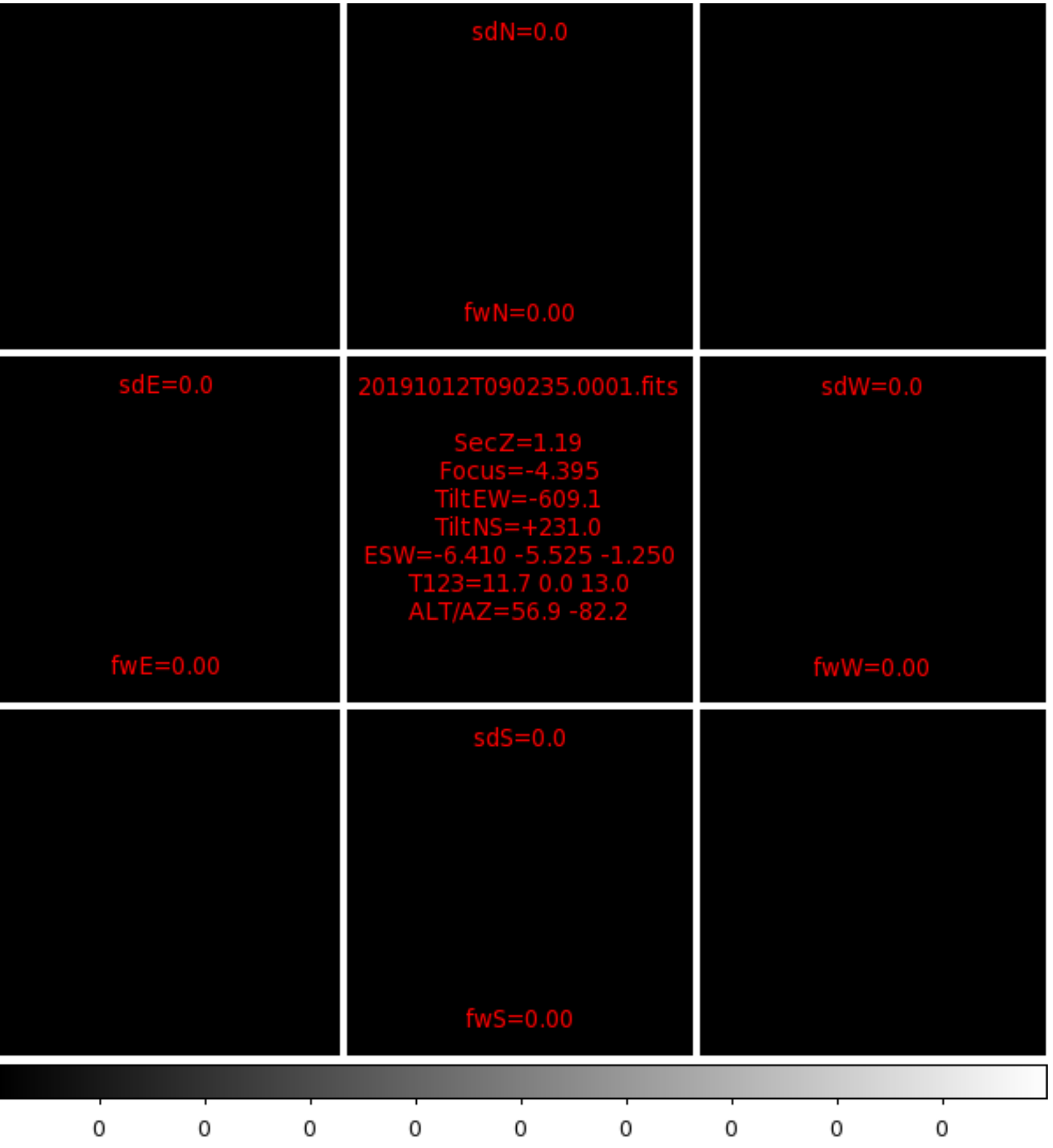
sdN=0.0
fwN=0.00
sdE=0.0
20191012T090235.0001.fits
SecZ=1.19
Focus=-4.395
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.410 -5.525 -1.250
T123=11.7 0.0 13.0
ALT/AZ=56.9 -82.2
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
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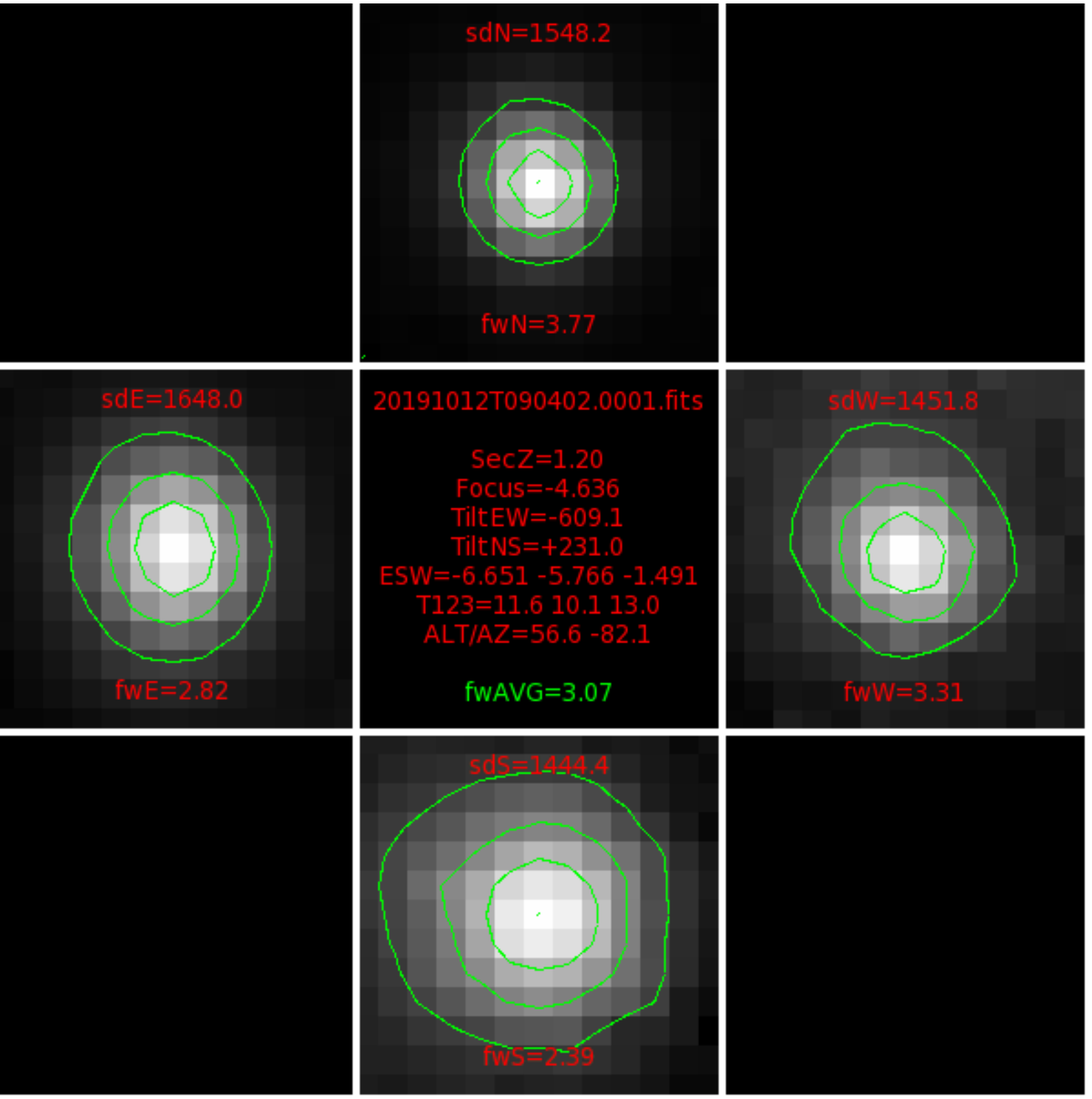
sdN=1548.2
fwN=3.77
sdE=1648.0
fwE=2.82
20191012T090402.0001.fits
SecZ=1.20
Focus=-4.636
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.651 -5.766 -1.491
T123=11.6 10.1 13.0
ALT/AZ=56.6 -82.1
fwAVG=3.07
sdW=1451.8
fwW=3.31
sdS=1444.4
fwS=2.39
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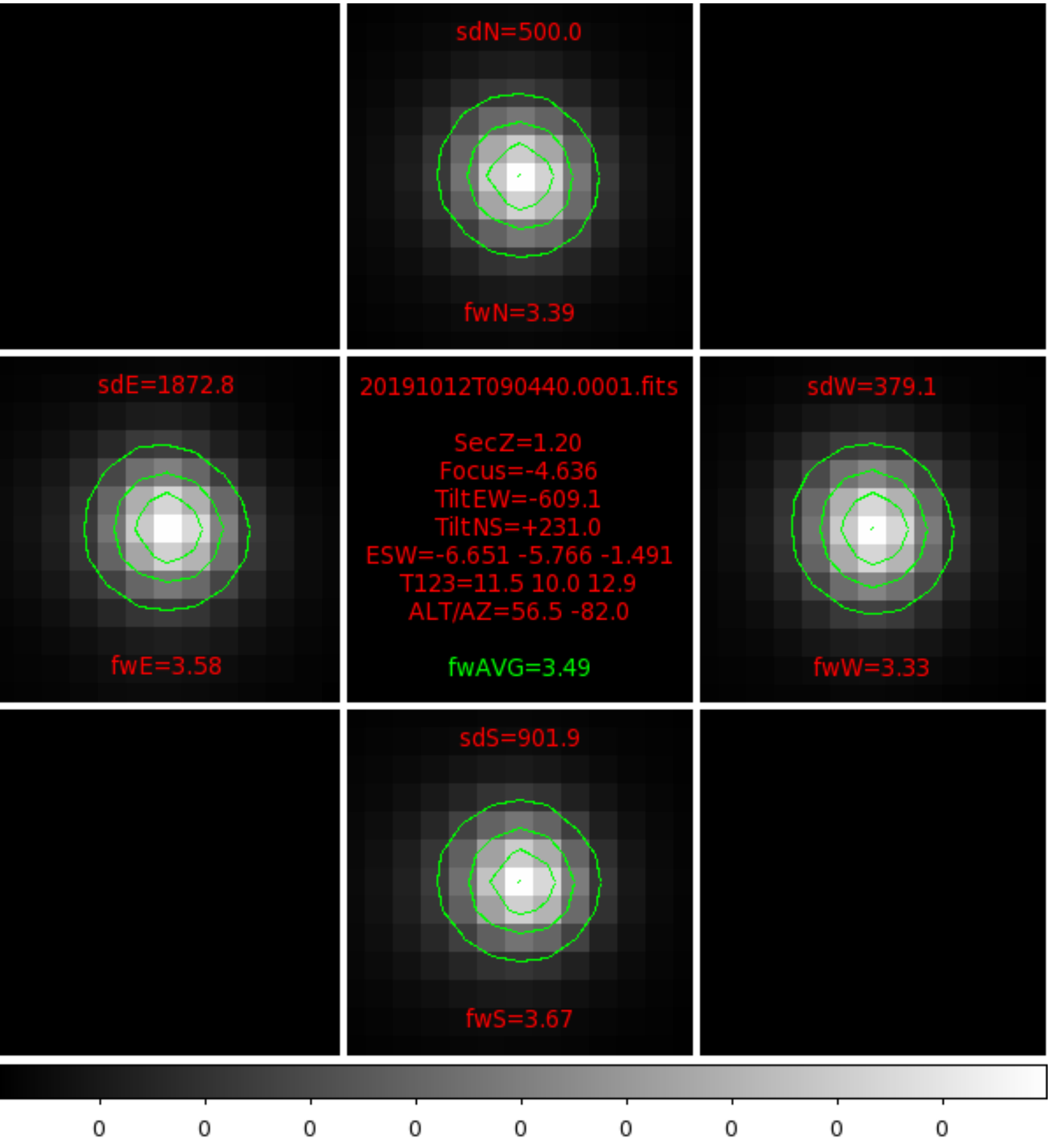
sdN=500.0
fwN=3.39
sdE=1872.8
fwE=3.58
20191012T090440.0001.fits
SecZ=1.20
Focus=-4.636
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.651 -5.766 -1.491
T123=11.5 10.0 12.9
ALT/AZ=56.5 -82.0
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sdW=379.1
fwW=3.33
sdS=901.9
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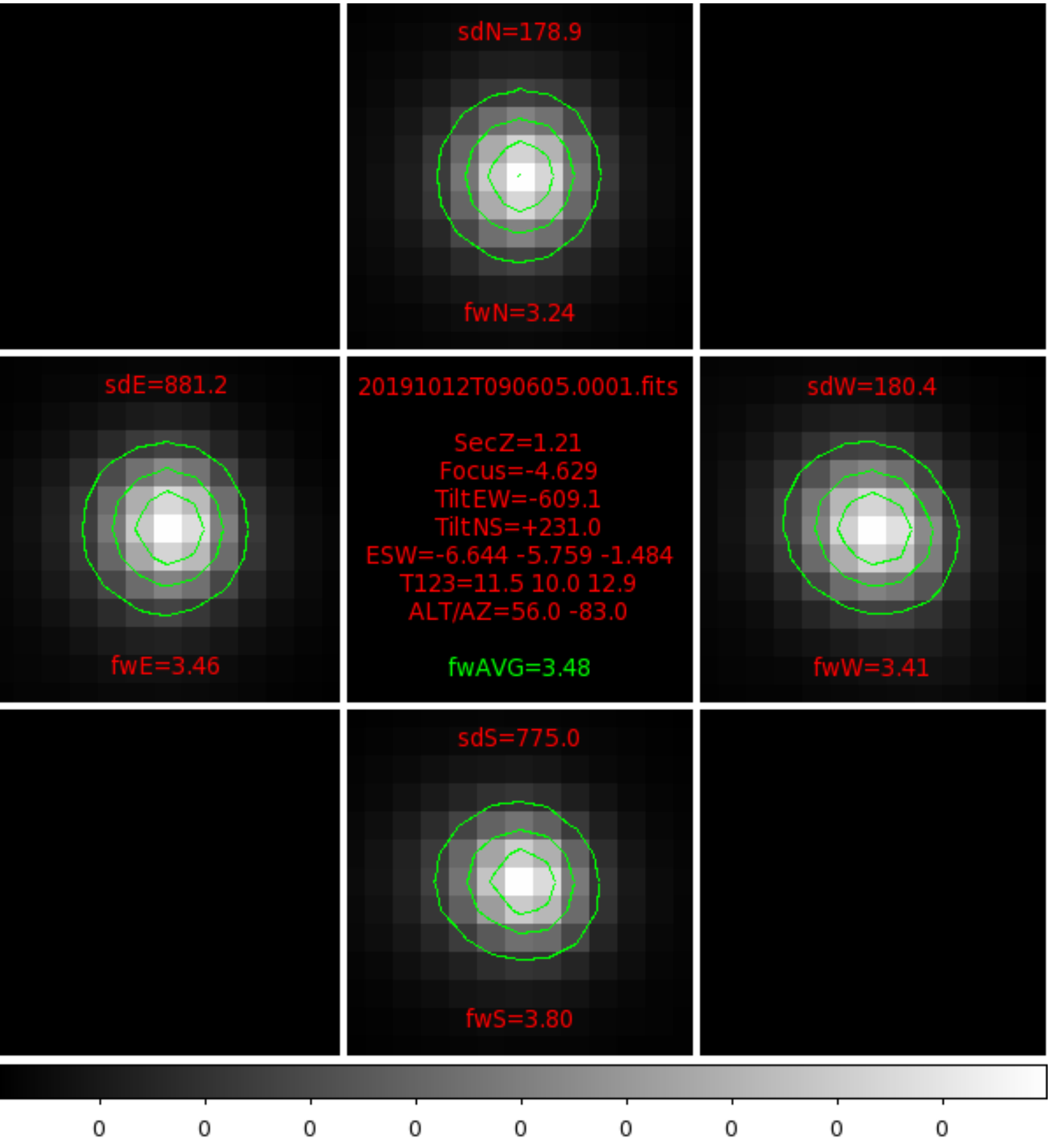
sdN=178.9
fwN=3.24
sdE=881.2
fwE=3.46
20191012T090605.0001.fits
SecZ=1.21
Focus=-4.629
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.644 -5.759 -1.484
T123=11.5 10.0 12.9
ALT/AZ=56.0 -83.0
fwAVG=3.48
sdW=180.4
fwW=3.41
sdS=775.0
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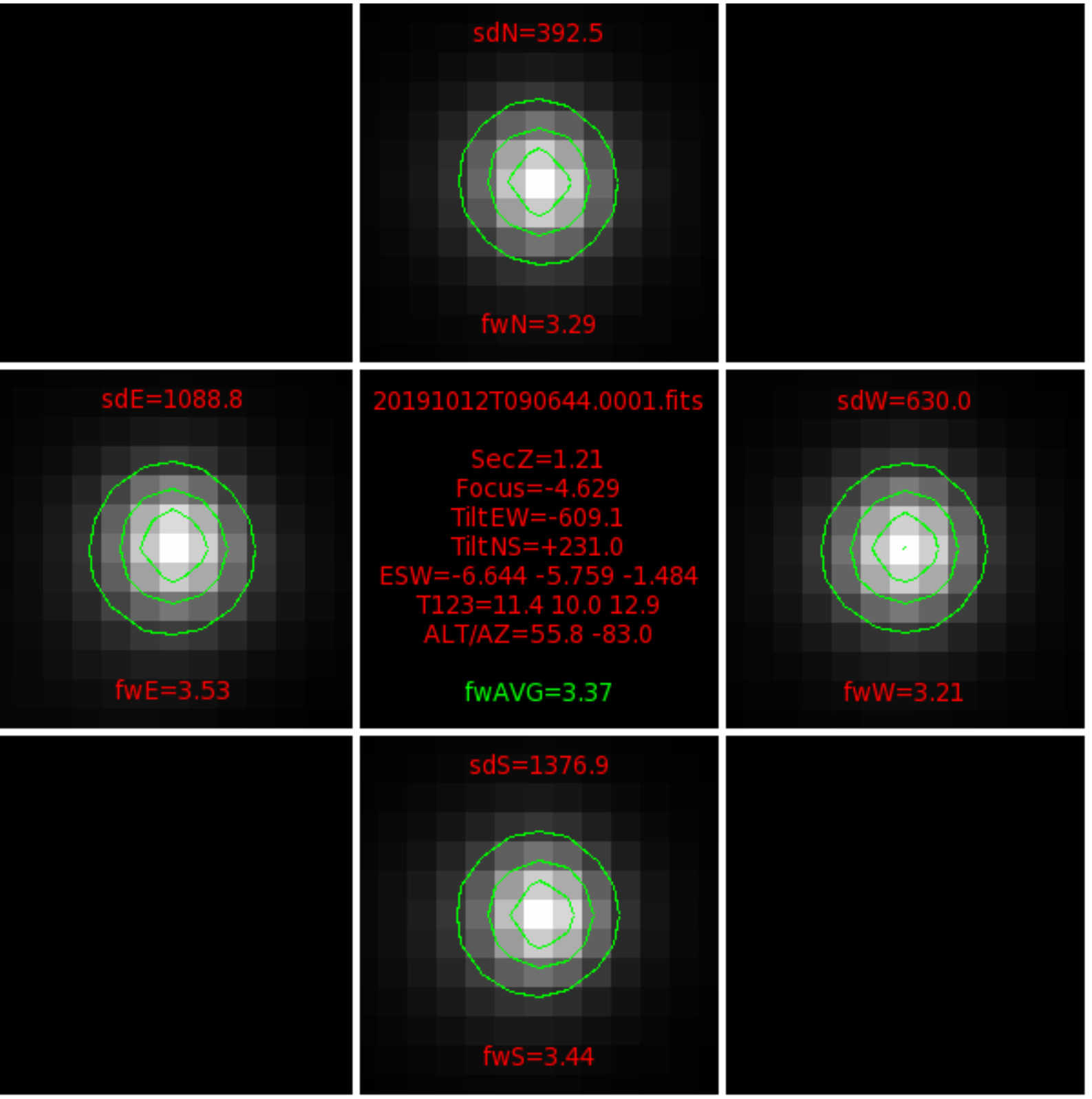
sdN=392.5
fwN=3.29
sdE=1088.8
fwE=3.53
20191012T090644.0001.fits
SecZ=1.21
Focus=-4.629
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.644 -5.759 -1.484
T123=11.4 10.0 12.9
ALT/AZ=55.8 -83.0
fwAVG=3.37
sdW=630.0
fwW=3.21
sdS=1376.9
fwS=3.44
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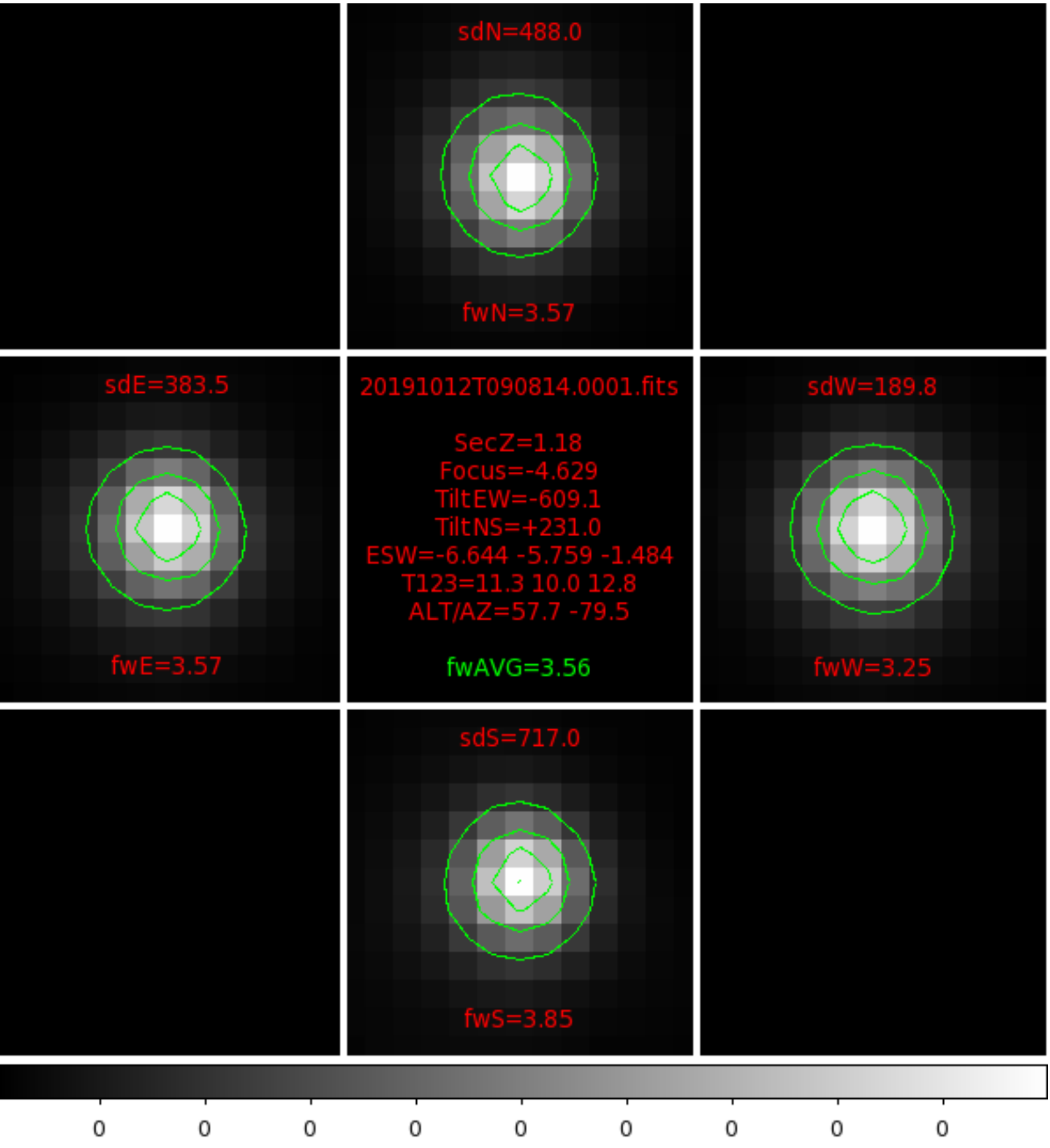
sdN=488.0
fwN=3.57
sdE=383.5
fwE=3.57
20191012T090814.0001.fits
SecZ=1.18
Focus=-4.629
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.644 -5.759 -1.484
T123=11.3 10.0 12.8
ALT/AZ=57.7 -79.5
fwAVG=3.56
sdW=189.8
fwW=3.25
sdS=717.0
fwS=3.85
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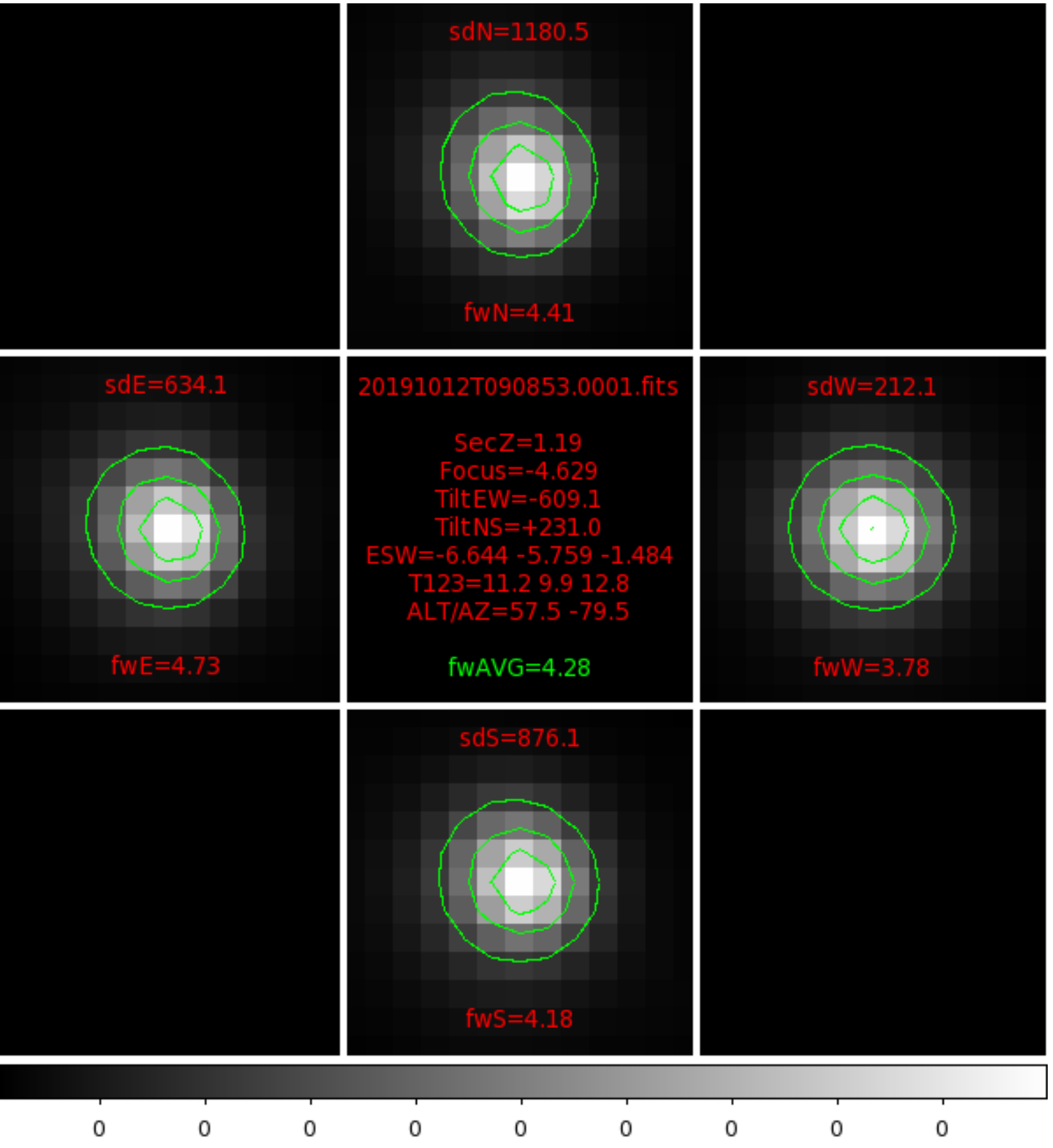
sdN=1180.5
fwN=4.41
sdE=634.1
fwE=4.73
20191012T090853.0001.fits
SecZ=1.19
Focus=-4.629
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.644 -5.759 -1.484
T123=11.2 9.9 12.8
ALT/AZ=57.5 -79.5
fwAVG=4.28
sdW=212.1
fwW=3.78
sdS=876.1
fwS=4.18
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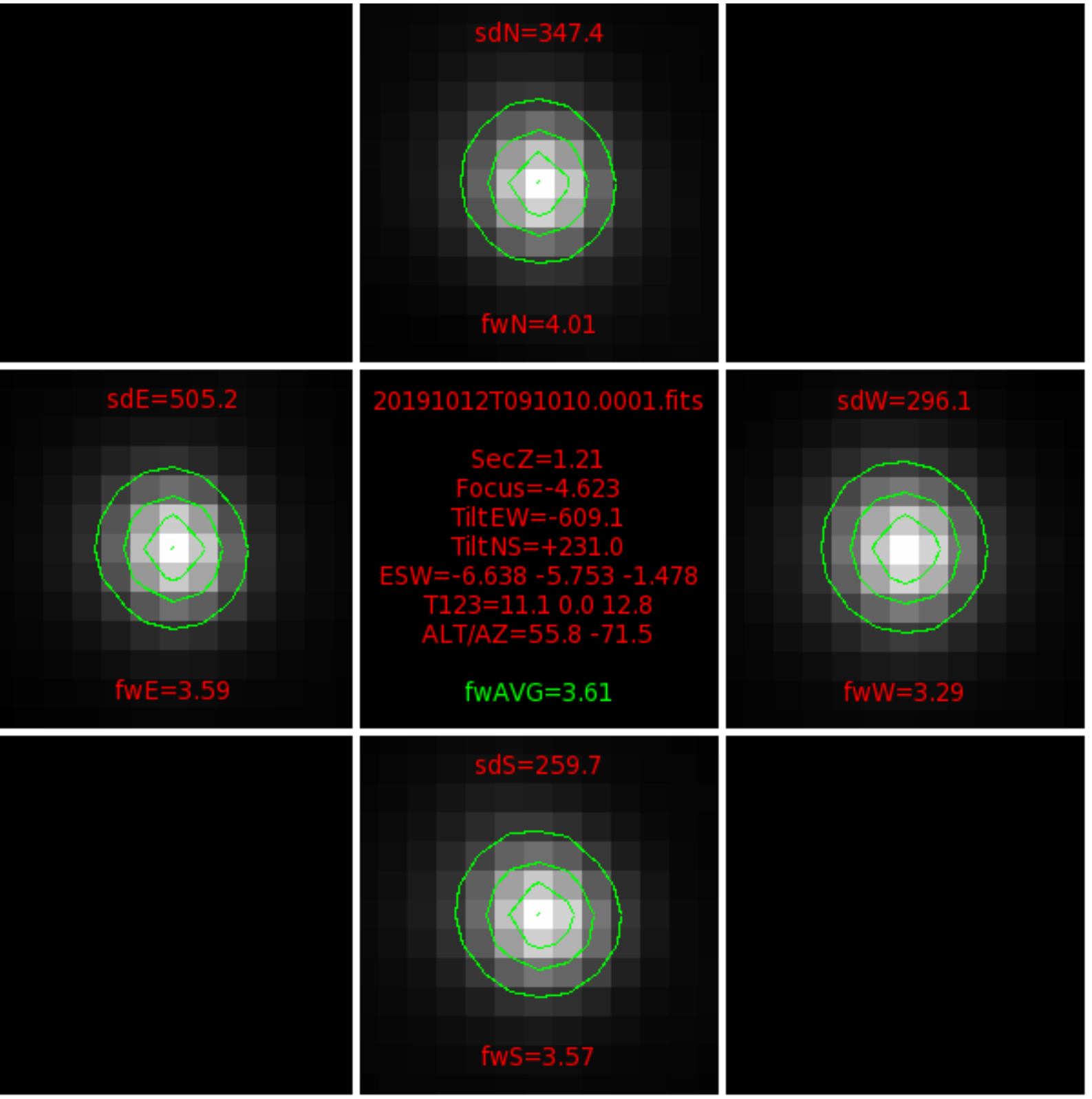
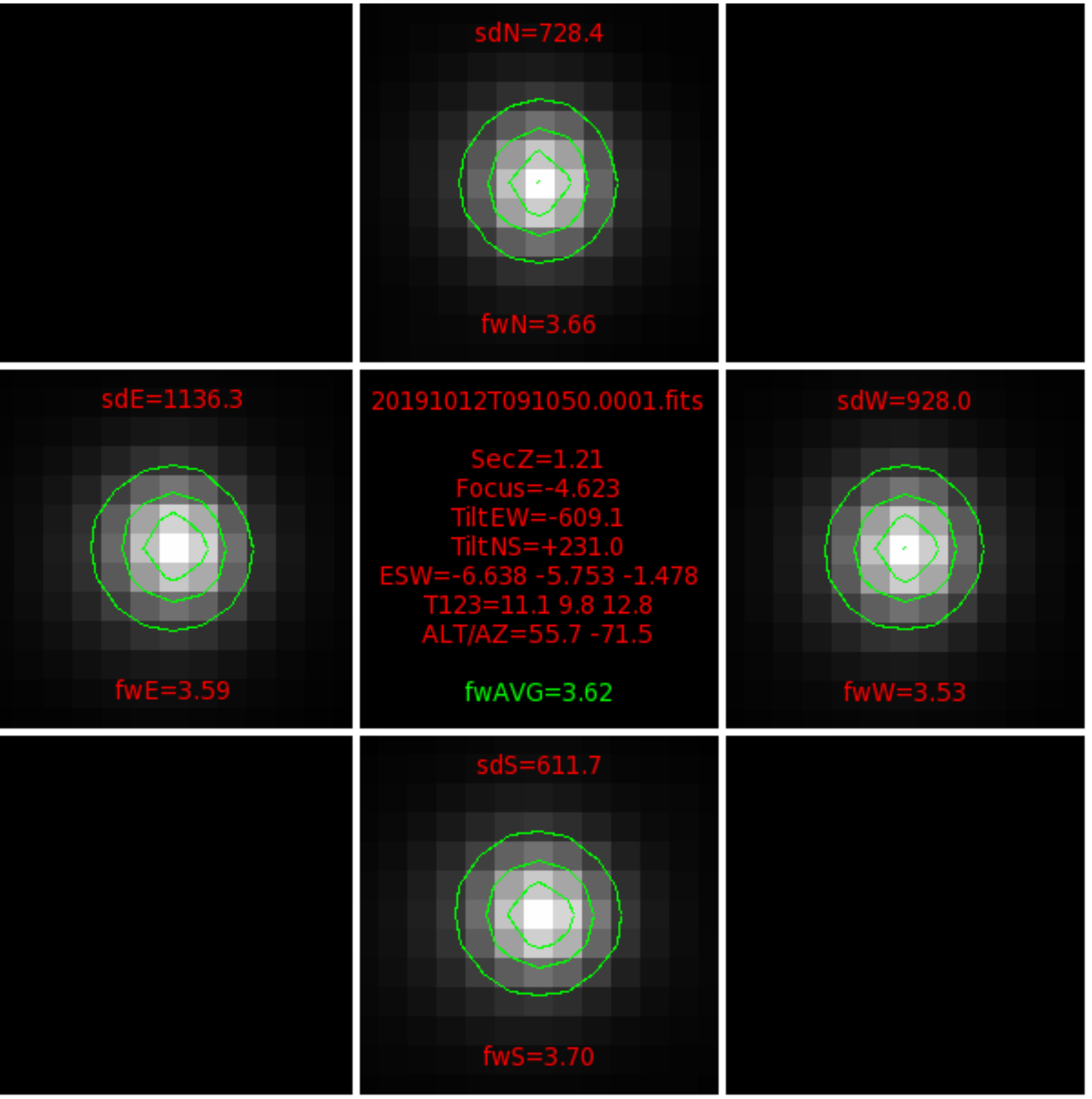
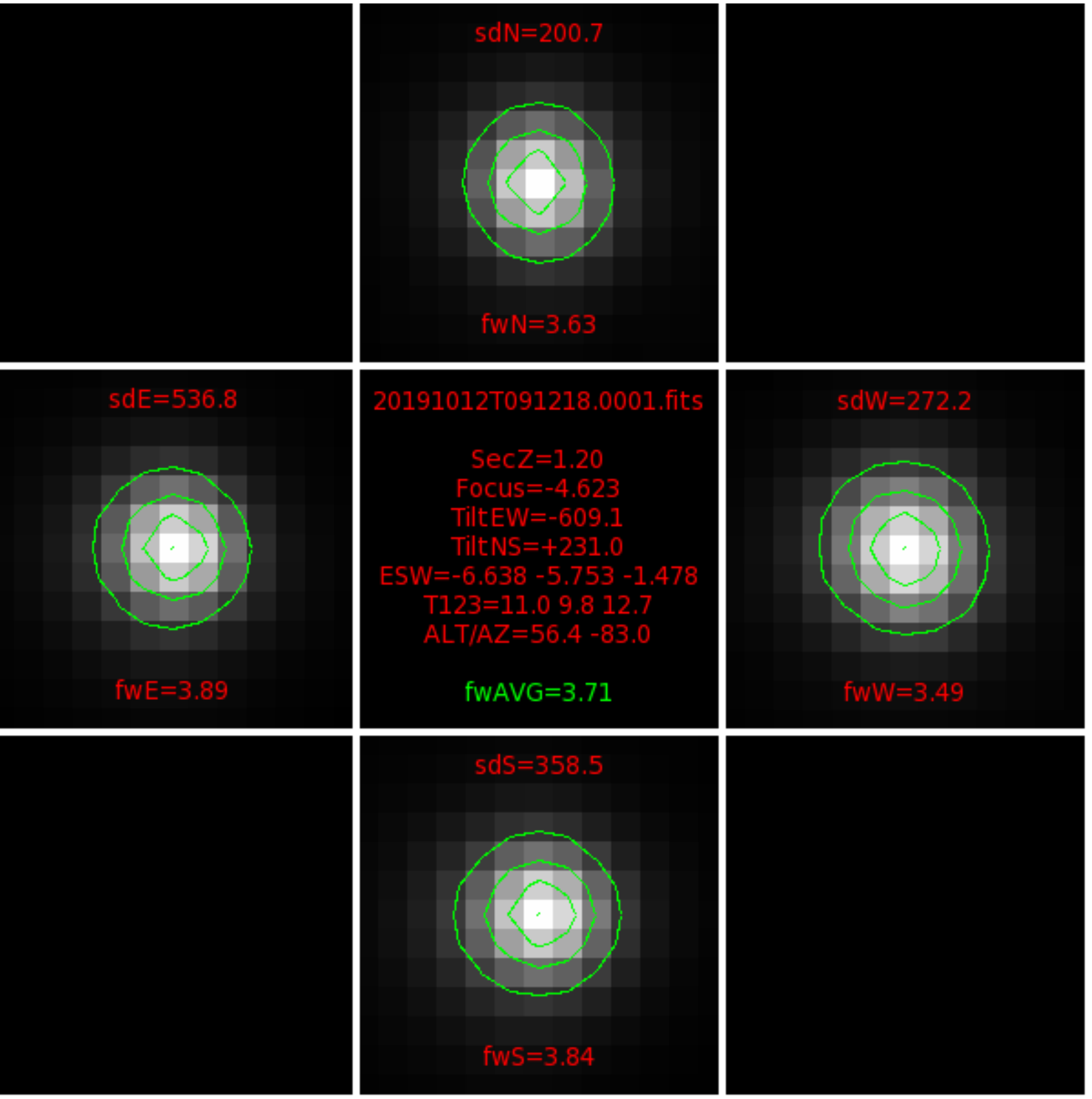

sdN=347.4
fwN=4.01
sdE=505.2
fwE=3.59
20191012T091010.0001.fits
SecZ=1.21
Focus=-4.623
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.638 -5.753 -1.478
T123=11.1 0.0 12.8
ALT/AZ=55.8 -71.5
fwAVG=3.61
sdW=296.1
fwW=3.29
sdS=259.7
fwS=3.57
0 0 0 0 0 0 0 0 0


sdN=728.4
fwN=3.66
sdE=1136.3
fwE=3.59
20191012T091050.0001.fits
SecZ=1.21
Focus=-4.623
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.638 -5.753 -1.478
T123=11.1 9.8 12.8
ALT/AZ=55.7 -71.5
fwAVG=3.62
sdW=928.0
fwW=3.53
sdS=611.7
fwS=3.70
0 0 0 0 0 0 0 0 0


sdN=200.7
fwN=3.63
sdE=536.8
fwE=3.89
20191012T091218.0001.fits
SecZ=1.20
Focus=-4.623
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.638 -5.753 -1.478
T123=11.0 9.8 12.7
ALT/AZ=56.4 -83.0
fwAVG=3.71
sdW=272.2
fwW=3.49
sdS=358.5
fwS=3.84
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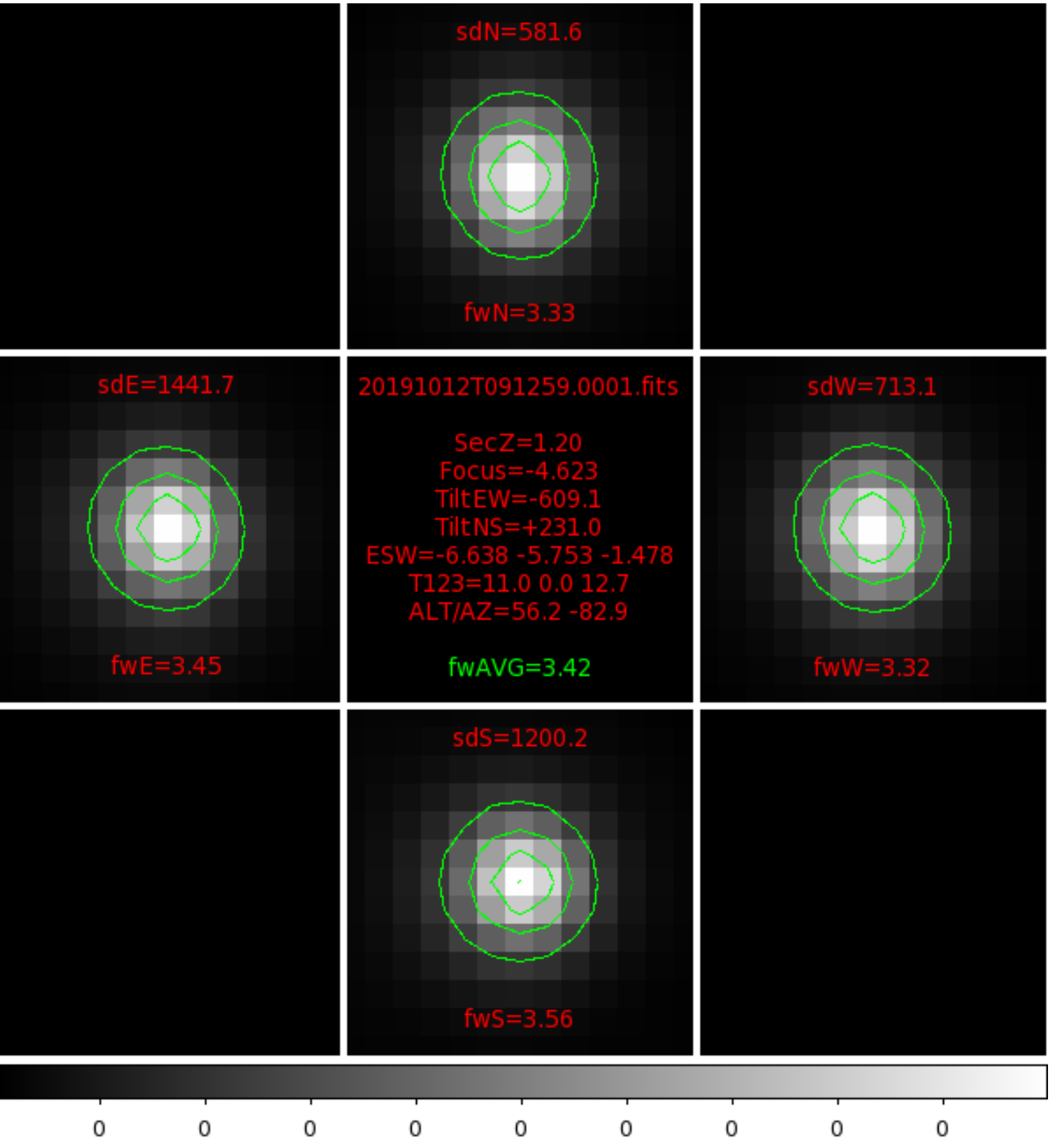
sdN=581.6
fwN=3.33
sdE=1441.7
fwE=3.45
20191012T091259.0001.fits
SecZ=1.20
Focus=-4.623
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.638 -5.753 -1.478
T123=11.0 0.0 12.7
ALT/AZ=56.2 -82.9
fwAVG=3.42
sdW=713.1
fwW=3.32
sdS=1200.2
fwS=3.56
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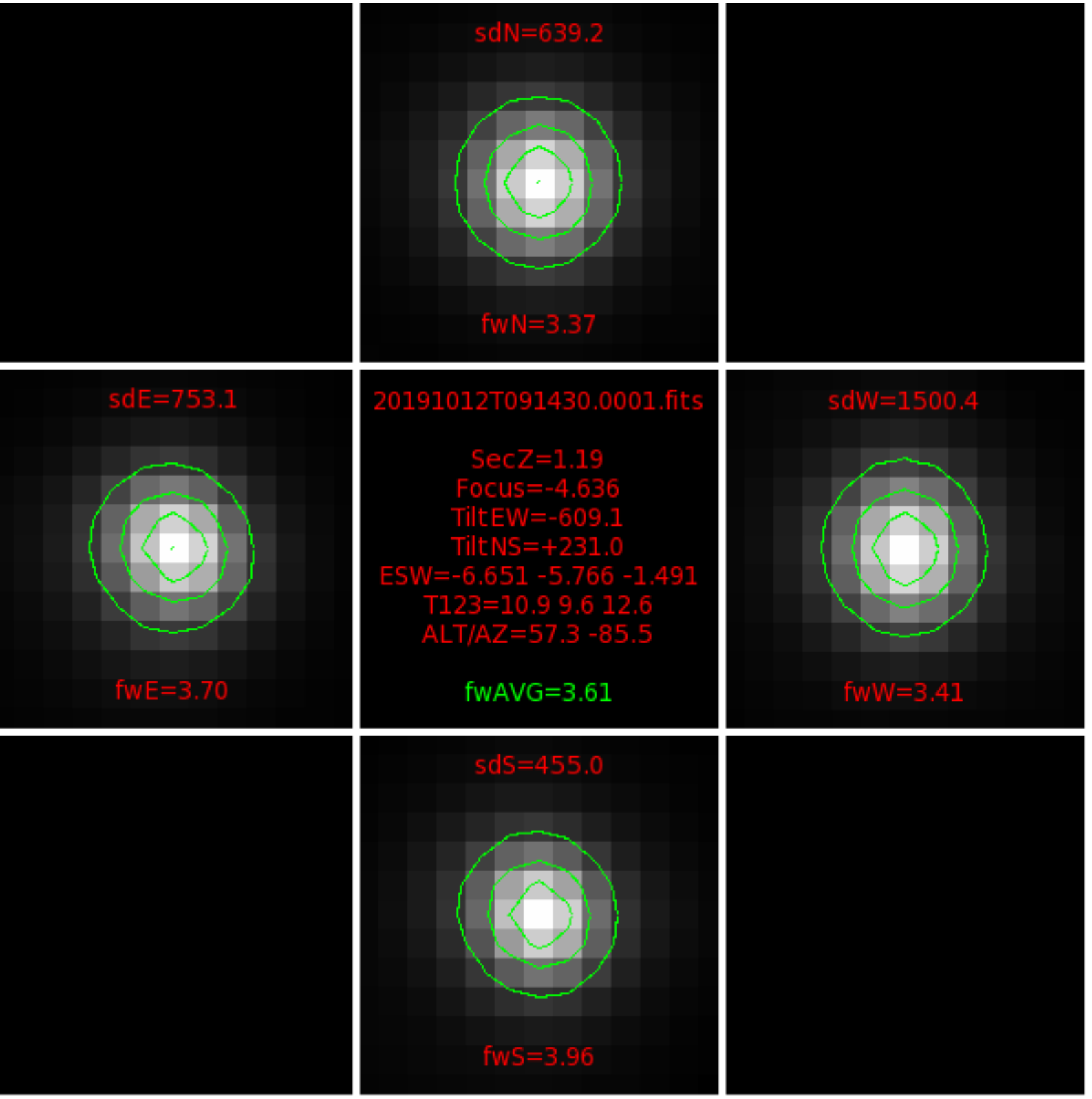
sdN=639.2
fwN=3.37
sdE=753.1
fwE=3.70
20191012T091430.0001.fits
SecZ=1.19
Focus=-4.636
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.651 -5.766 -1.491
T123=10.9 9.6 12.6
ALT/AZ=57.3 -85.5
fwAVG=3.61
sdW=1500.4
fwW=3.41
sdS=455.0
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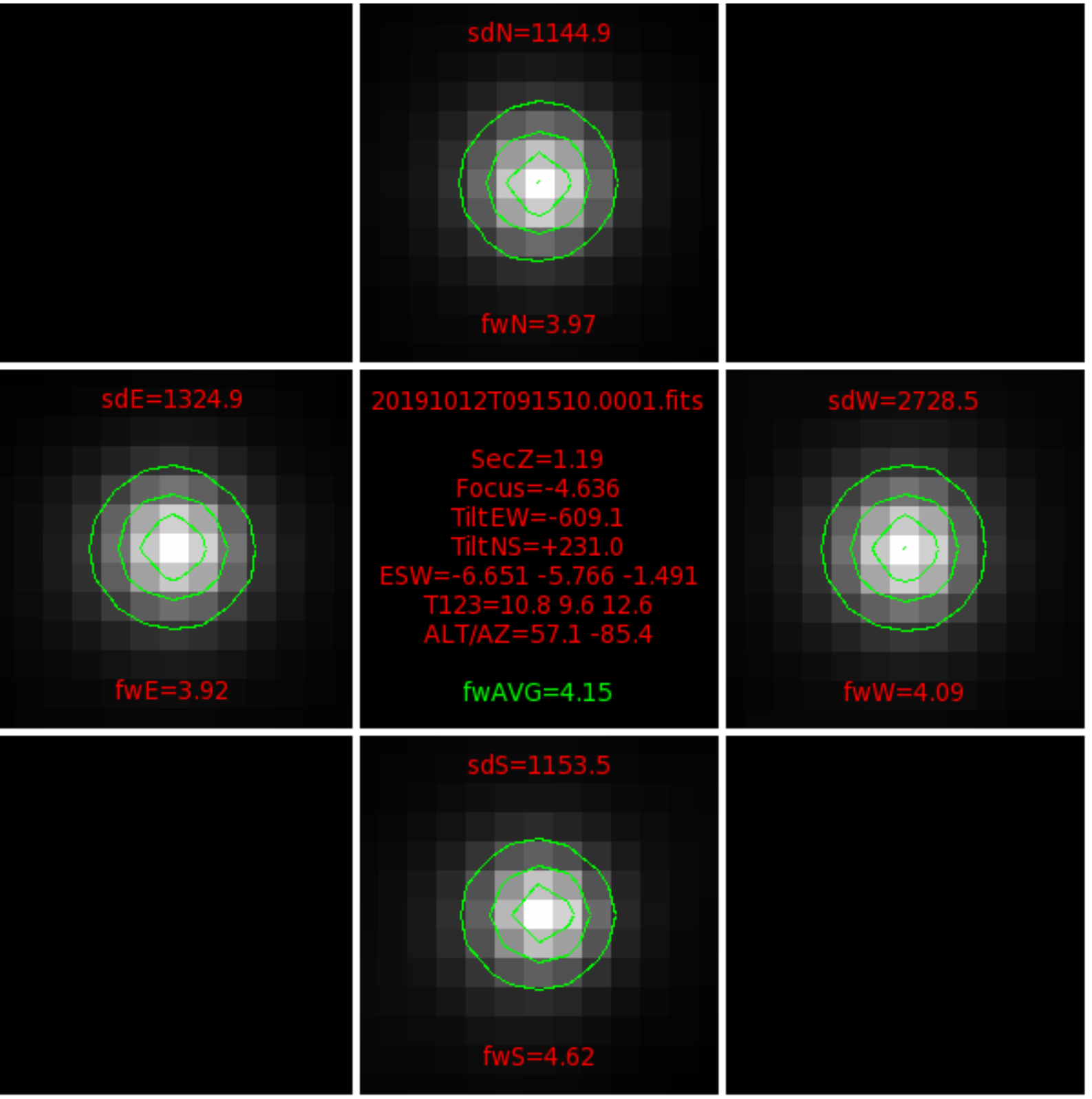
sdN=1144.9
fwN=3.97
sdE=1324.9
fwE=3.92
20191012T091510.0001.fits
SecZ=1.19
Focus=-4.636
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.651 -5.766 -1.491
T123=10.8 9.6 12.6
ALT/AZ=57.1 -85.4
fwAVG=4.15
sdW=2728.5
fwW=4.09
sdS=1153.5
fwS=4.62
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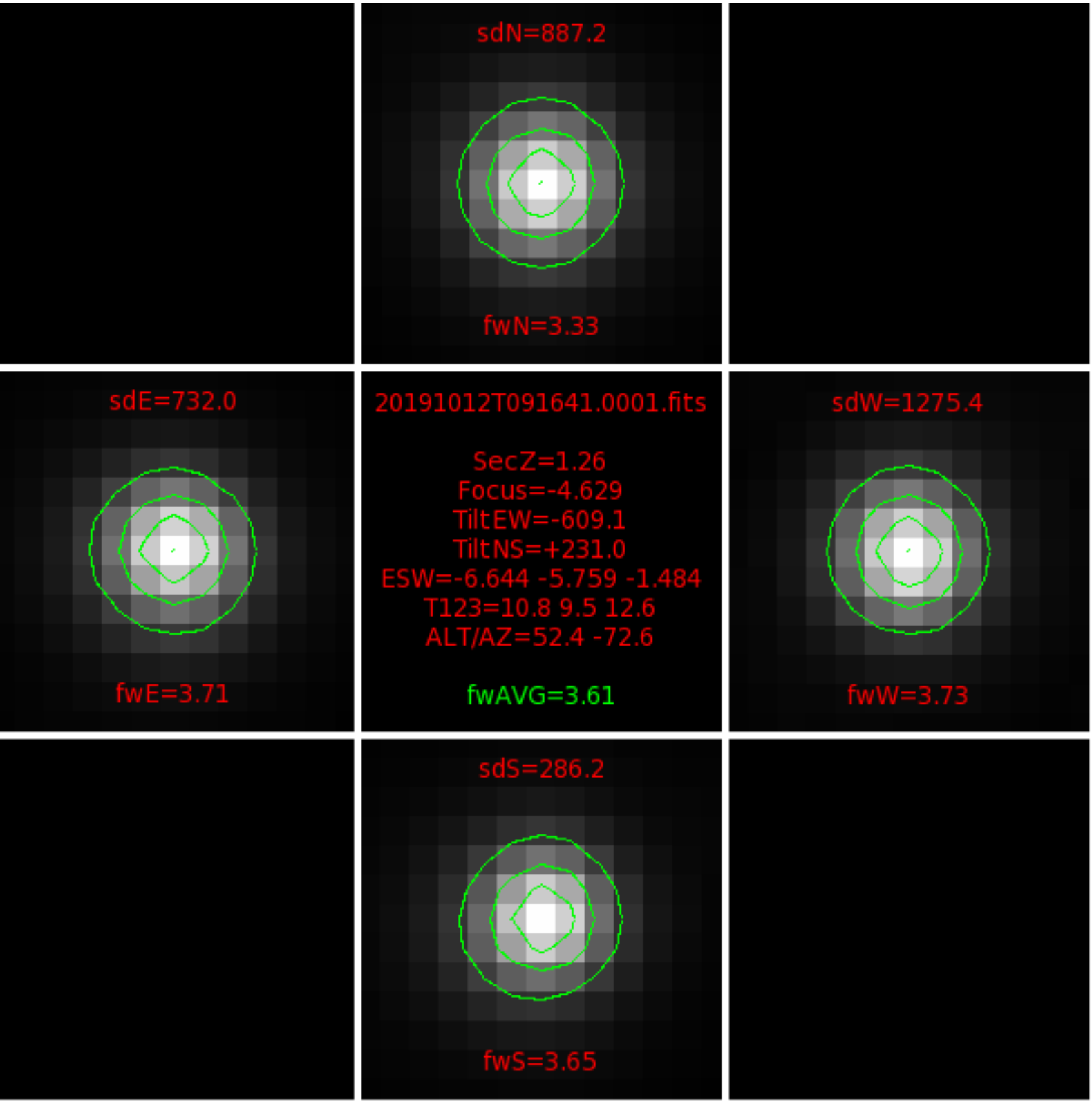
sdN=887.2
fwN=3.33
sdE=732.0
fwE=3.71
20191012T091641.0001.fits
SecZ=1.26
Focus=-4.629
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.644 -5.759 -1.484
T123=10.8 9.5 12.6
ALT/AZ=52.4 -72.6
fwAVG=3.61
sdW=1275.4
fwW=3.73
sdS=286.2
fwS=3.65
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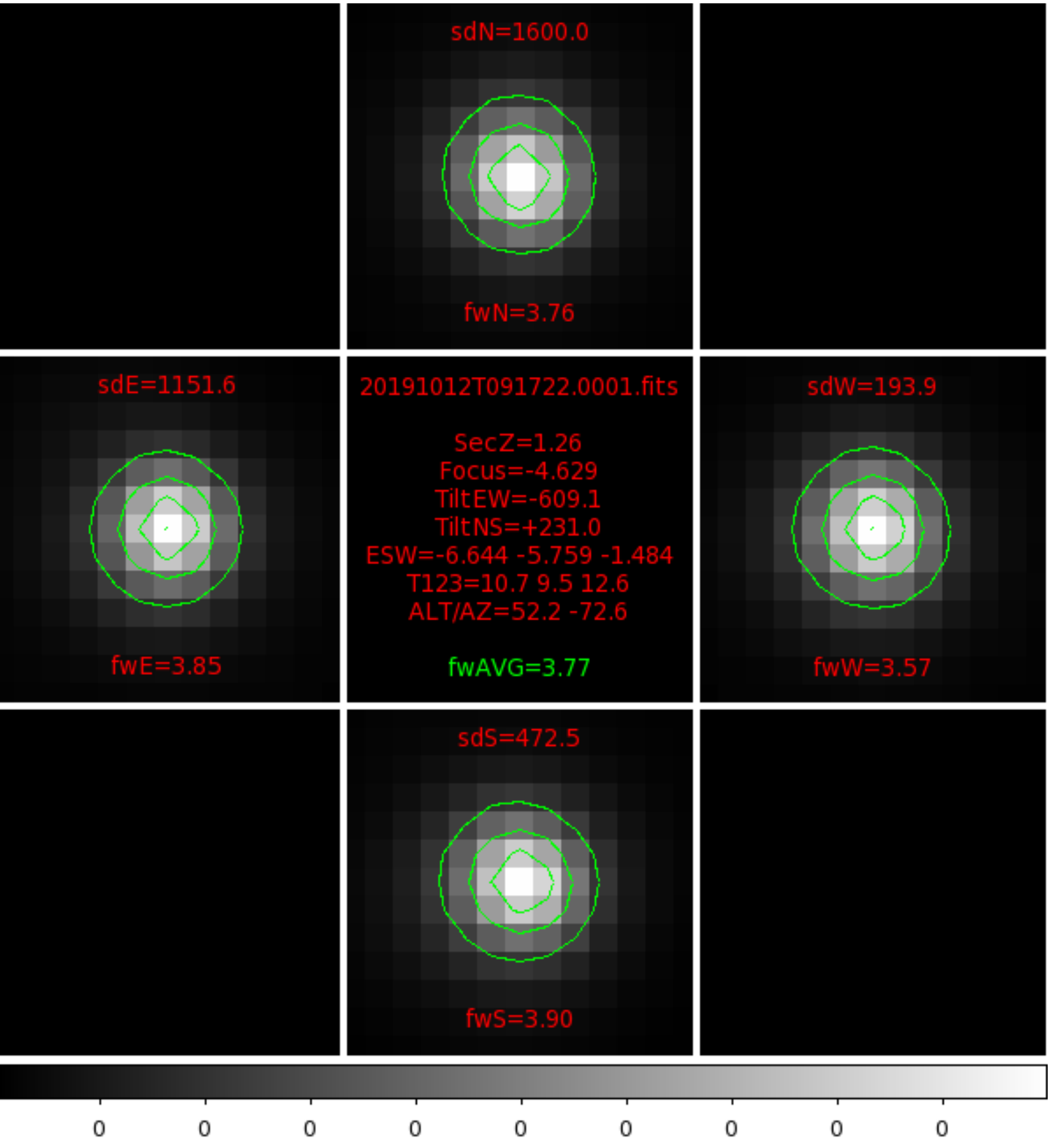
sdN=1600.0
fwN=3.76
sdE=1151.6
fwE=3.85
20191012T091722.0001.fits
SecZ=1.26
Focus=-4.629
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.644 -5.759 -1.484
T123=10.7 9.5 12.6
ALT/AZ=52.2 -72.6
fwAVG=3.77
sdW=193.9
fwW=3.57
sdS=472.5
fwS=3.90
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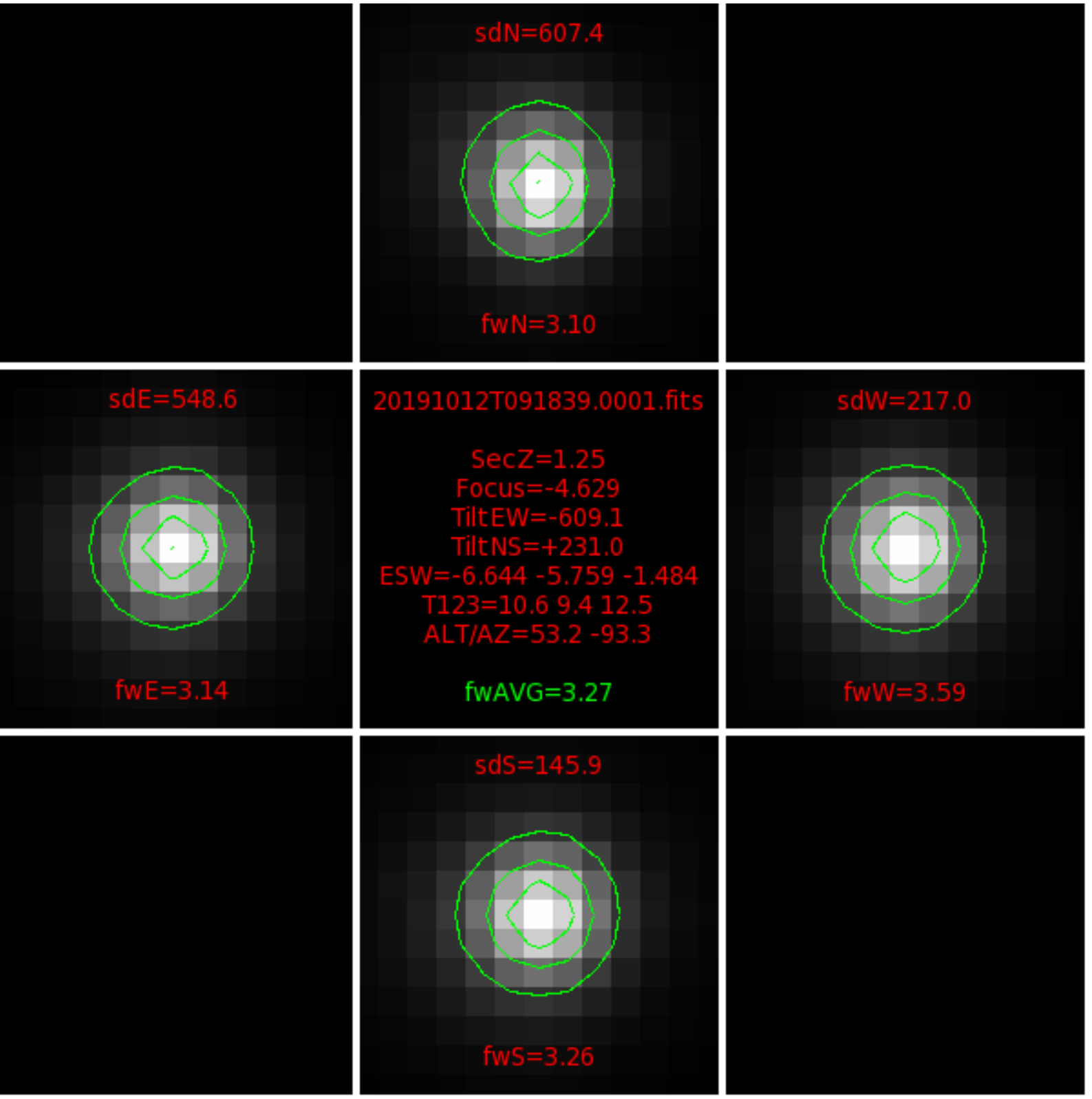
sdN=607.4
fwN=3.10
sdE=548.6
fwE=3.14
20191012T091839.0001.fits
SecZ=1.25
Focus=-4.629
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.644 -5.759 -1.484
T123=10.6 9.4 12.5
ALT/AZ=53.2 -93.3
fwAVG=3.27
sdW=217.0
fwW=3.59
sdS=145.9
fwS=3.26
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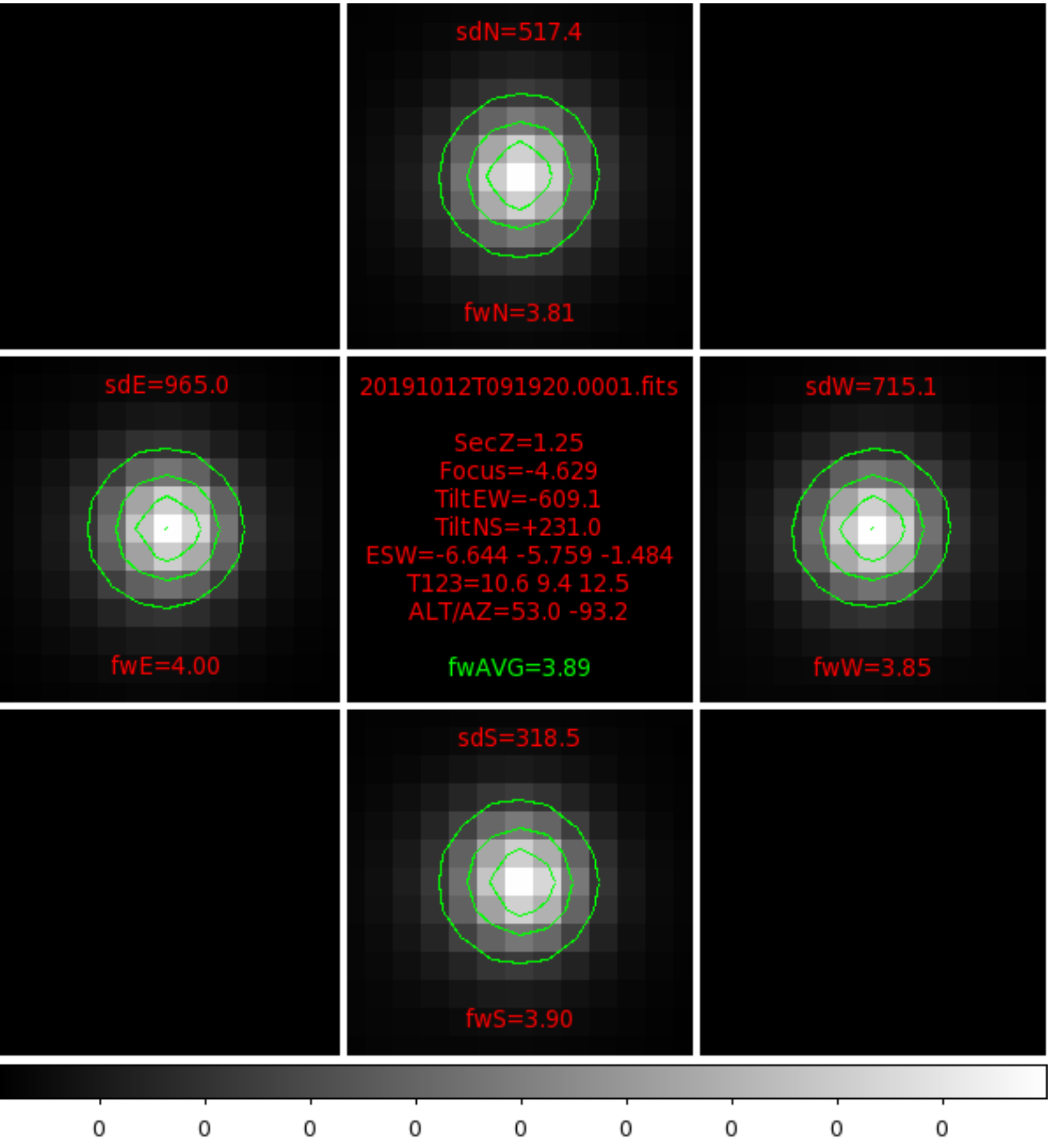
sdN=517.4
fwN=3.81
sdE=965.0
fwE=4.00
20191012T091920.0001.fits
SecZ=1.25
Focus=-4.629
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.644 -5.759 -1.484
T123=10.6 9.4 12.5
ALT/AZ=53.0 -93.2
fwAVG=3.89
sdW=715.1
fwW=3.85
sdS=318.5
fwS=3.90
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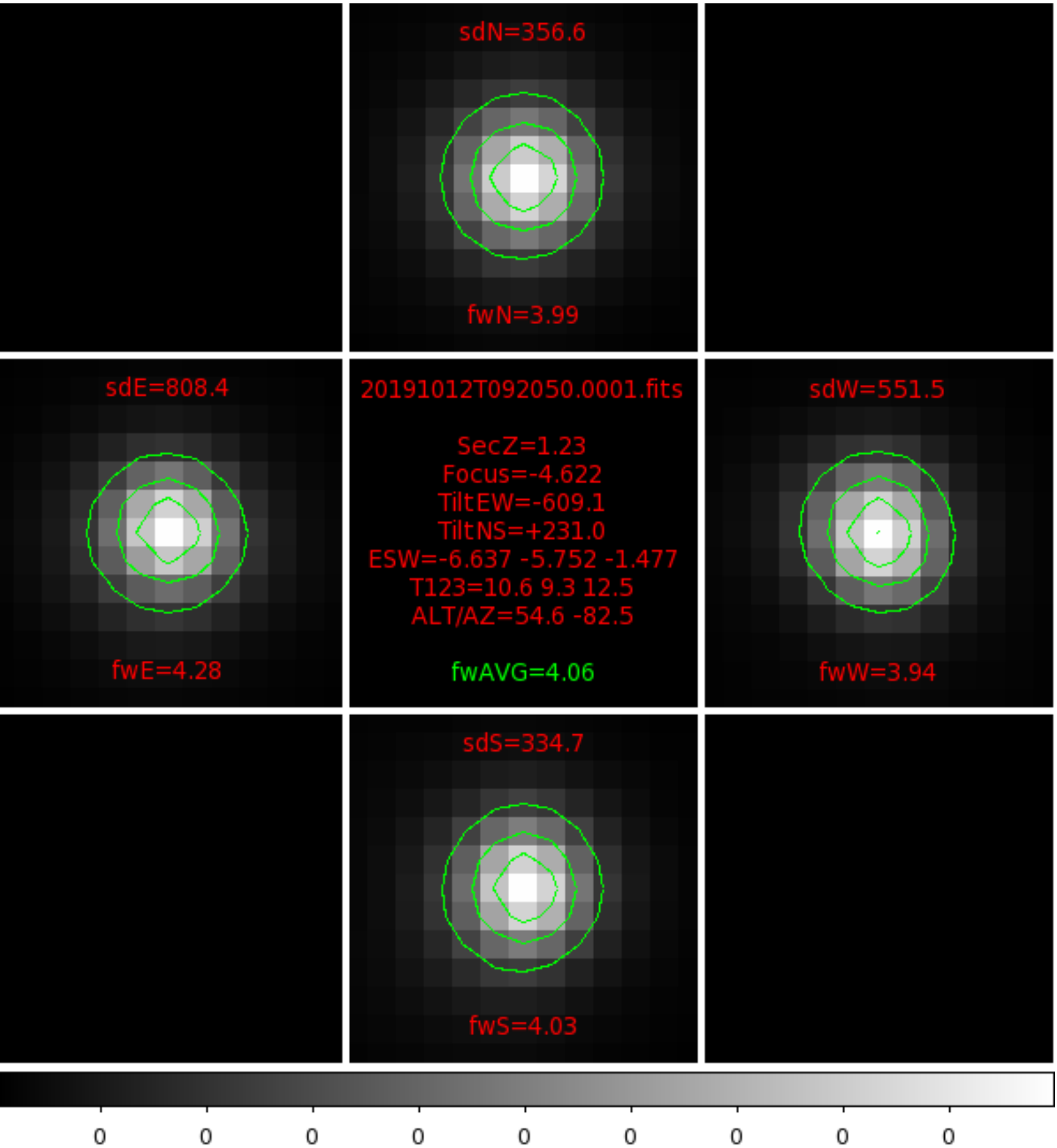
sdN=356.6
fwN=3.99
sdE=808.4
fwE=4.28
20191012T092050.0001.fits
SecZ=1.23
Focus=-4.622
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.637 -5.752 -1.477
T123=10.6 9.3 12.5
ALT/AZ=54.6 -82.5
fwAVG=4.06
sdW=551.5
fwW=3.94
sdS=334.7
fwS=4.03
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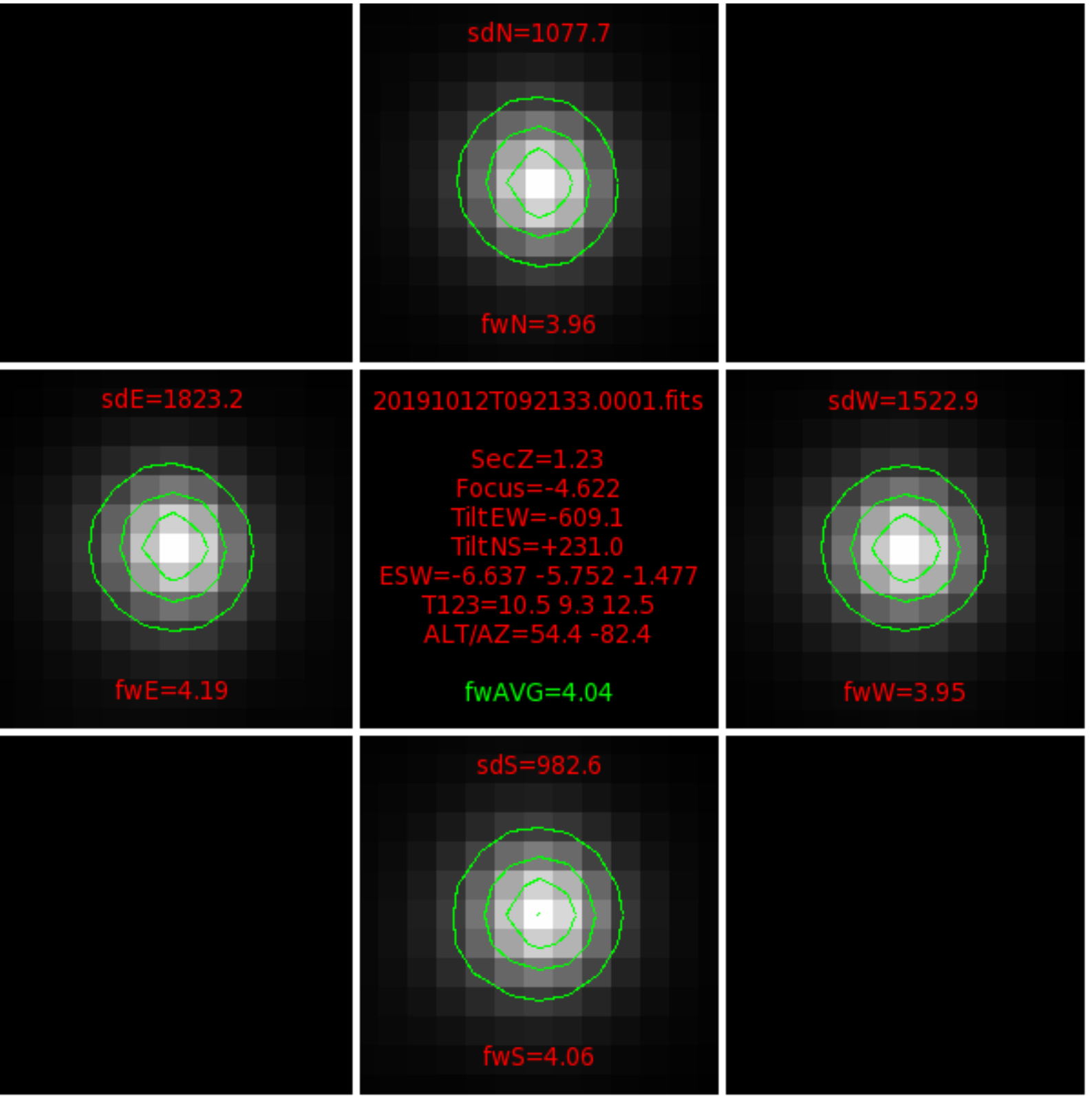
sdN=1077.7
fwN=3.96
sdE=1823.2
fwE=4.19
20191012T092133.0001.fits
SecZ=1.23
Focus=-4.622
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.637 -5.752 -1.477
T123=10.5 9.3 12.5
ALT/AZ=54.4 -82.4
fwAVG=4.04
sdW=1522.9
fwW=3.95
sdS=982.6
fwS=4.06
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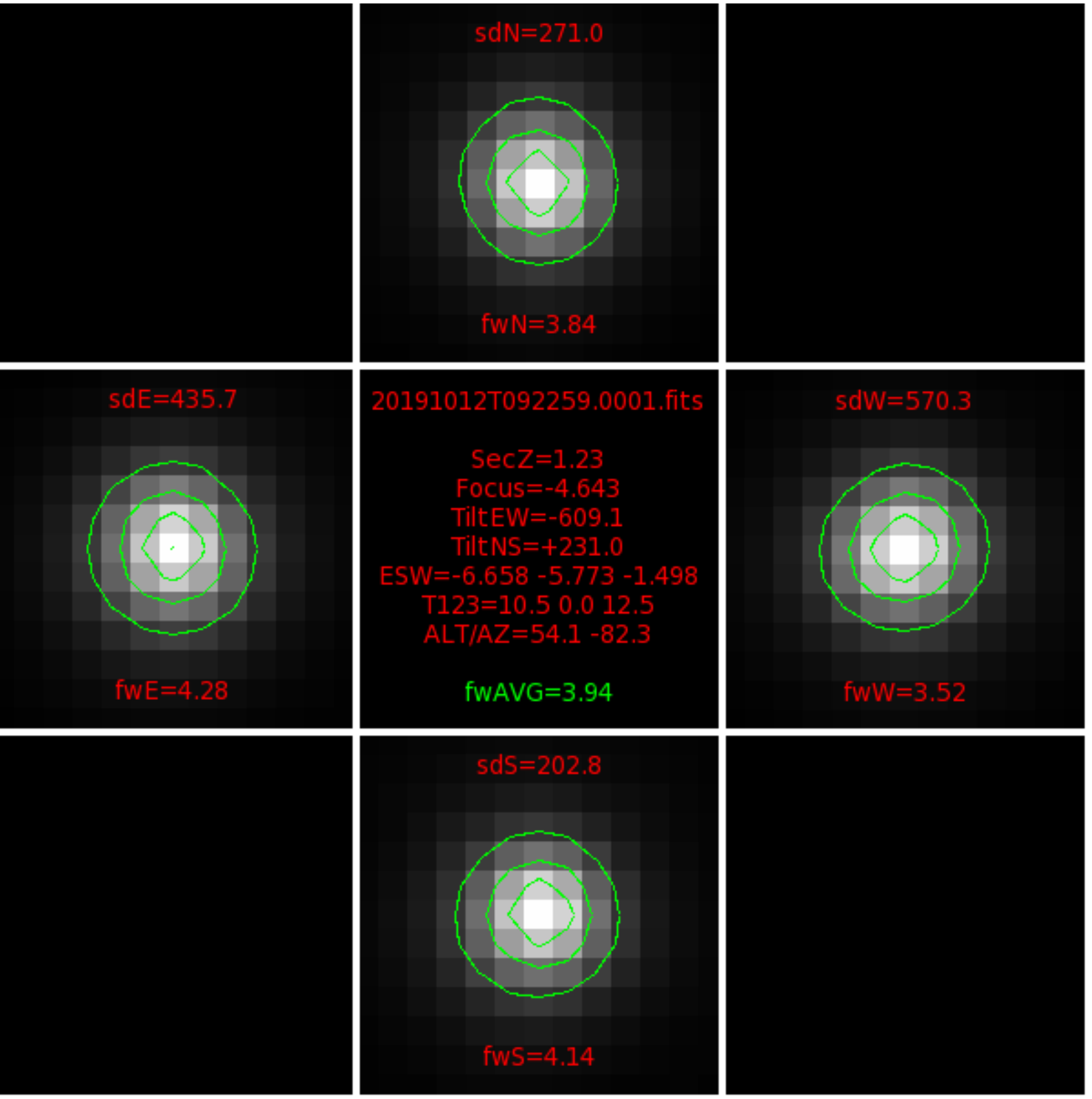
sdN=271.0
fwN=3.84
sdE=435.7
fwE=4.28
20191012T092259.0001.fits
SecZ=1.23
Focus=-4.643
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.658 -5.773 -1.498
T123=10.5 0.0 12.5
ALT/AZ=54.1 -82.3
fwAVG=3.94
sdW=570.3
fwW=3.52
sdS=202.8
fwS=4.14
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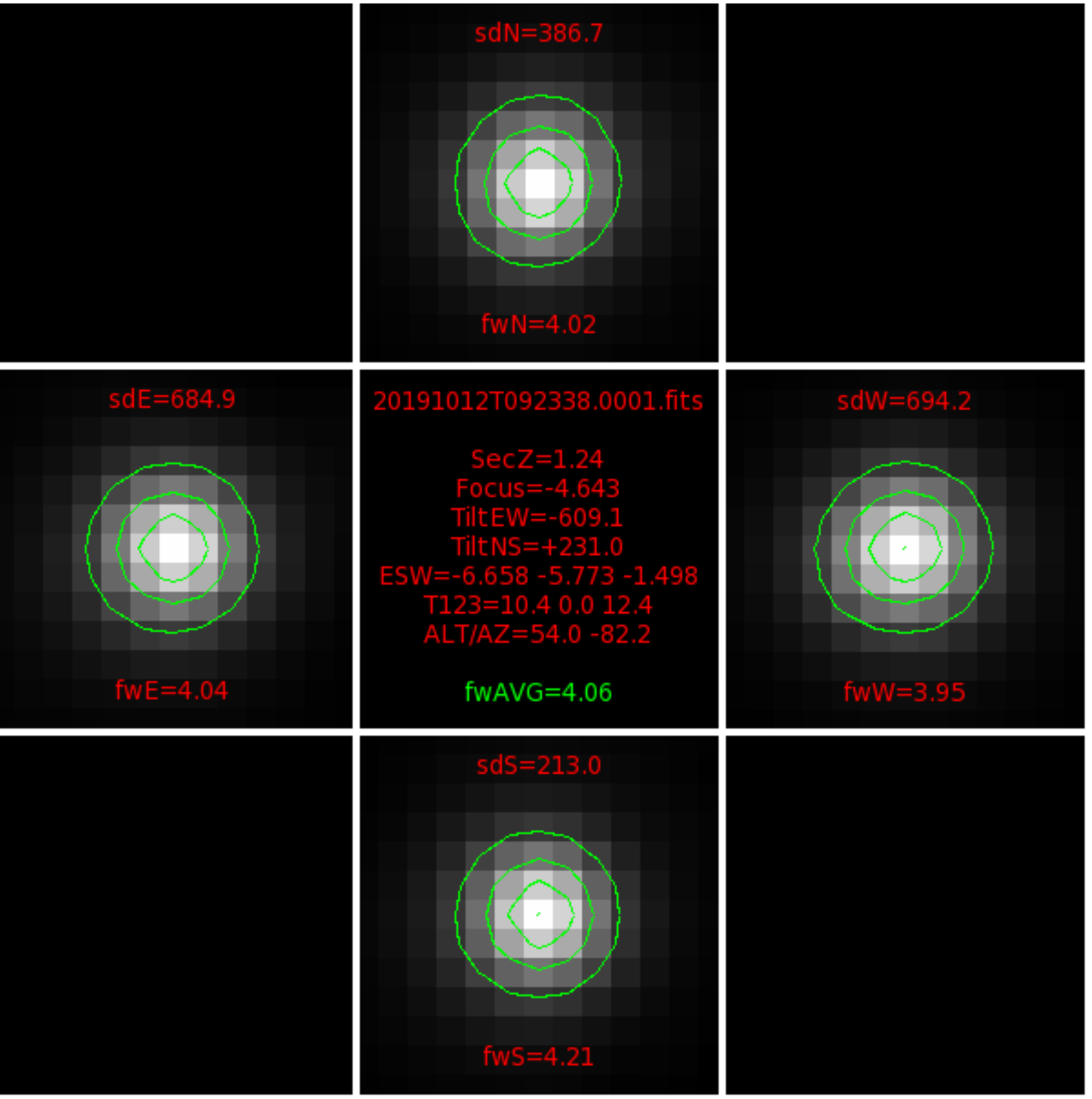
sdN=386.7
fwN=4.02
sdE=684.9
fwE=4.04
20191012T092338.0001.fits
SecZ=1.24
Focus=-4.643
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.658 -5.773 -1.498
T123=10.4 0.0 12.4
ALT/AZ=54.0 -82.2
fwAVG=4.06
sdW=694.2
fwW=3.95
sdS=213.0
fwS=4.21
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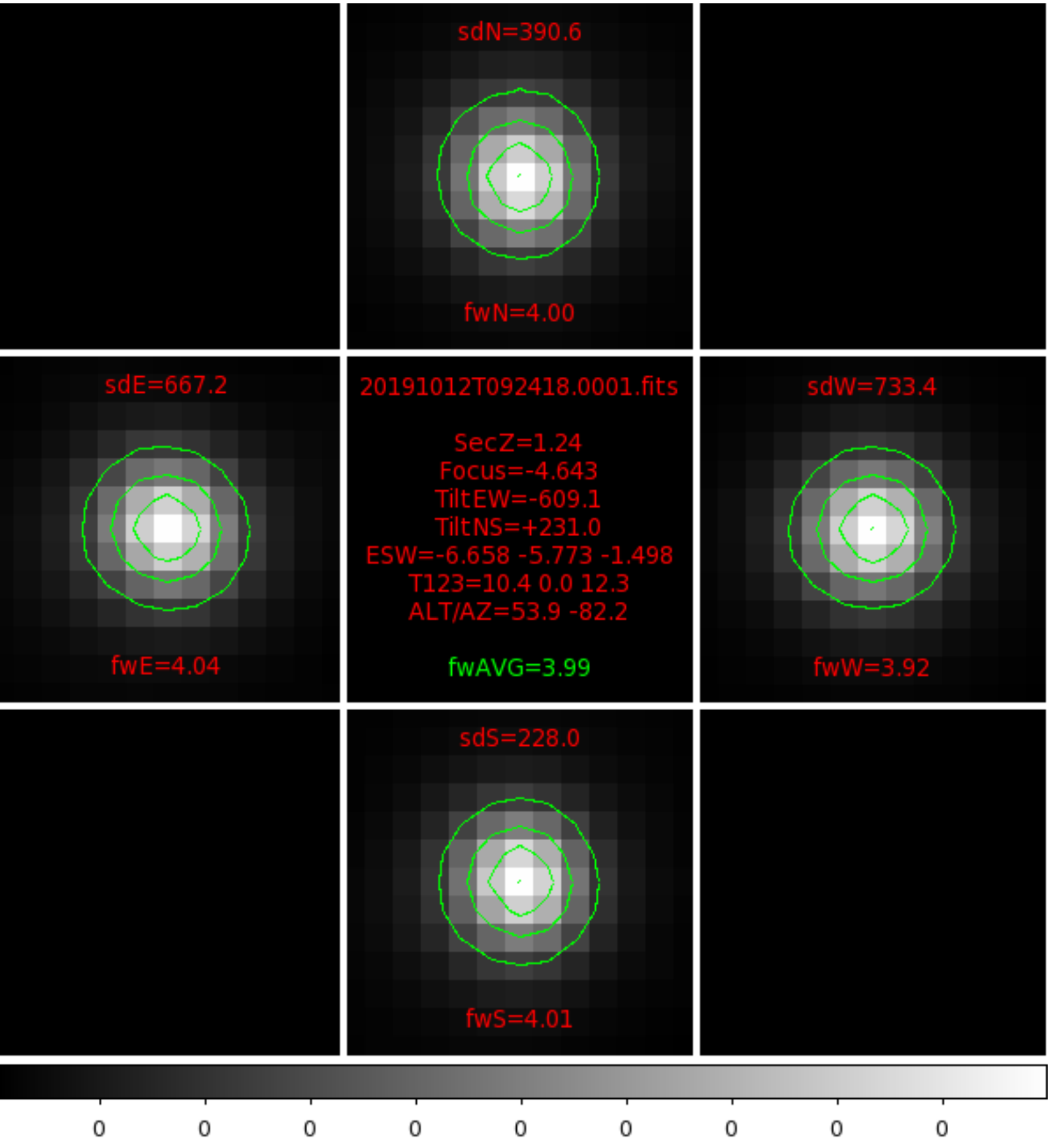
sdN=390.6
fwN=4.00
sdE=667.2
fwE=4.04
20191012T092418.0001.fits
SecZ=1.24
Focus=-4.643
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.658 -5.773 -1.498
T123=10.4 0.0 12.3
ALT/AZ=53.9 -82.2
fwAVG=3.99
sdW=733.4
fwW=3.92
sdS=228.0
fwS=4.01
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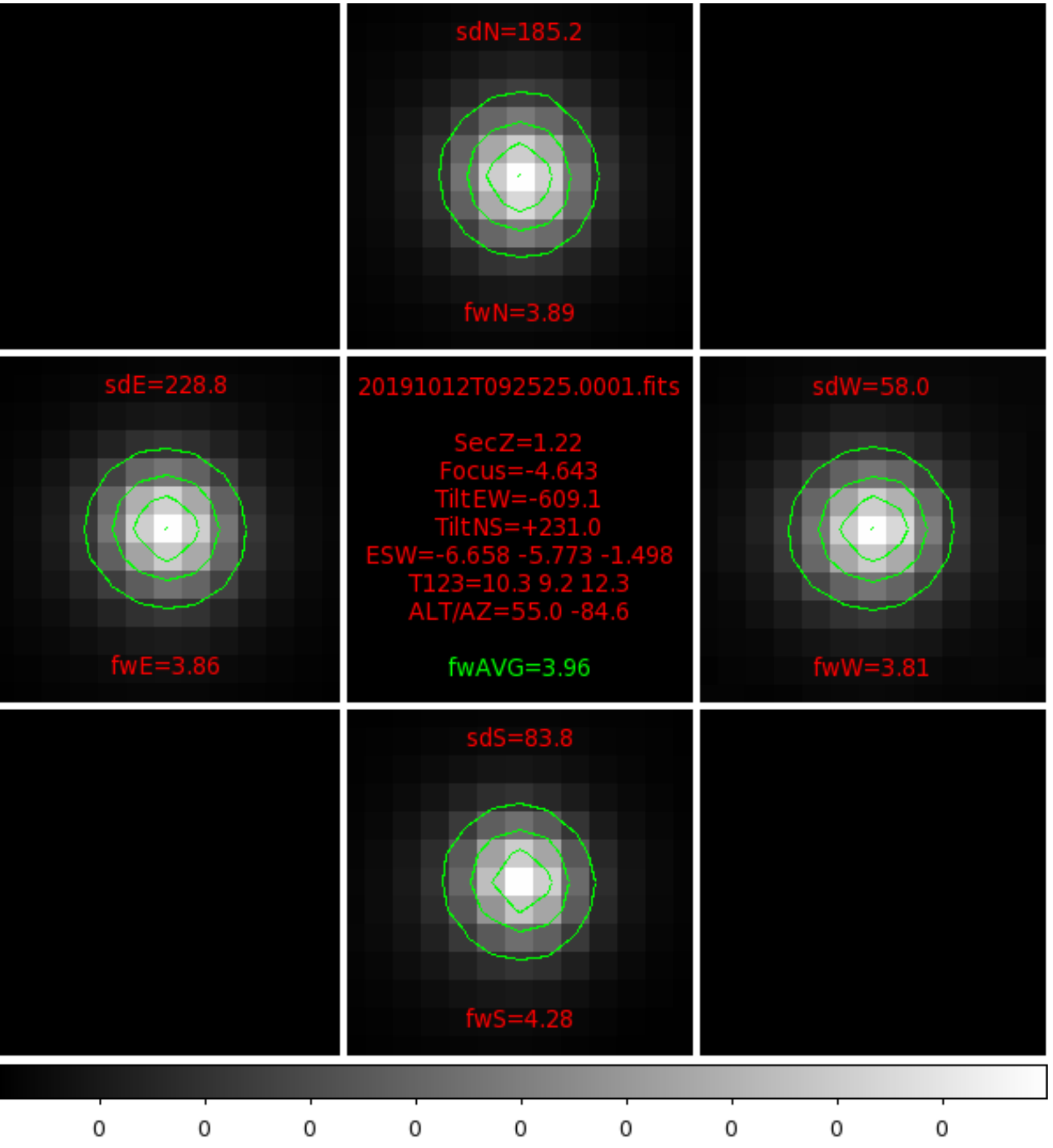
sdN=185.2
fwN=3.89
sdE=228.8
fwE=3.86
20191012T092525.0001.fits
SecZ=1.22
Focus=-4.643
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.658 -5.773 -1.498
T123=10.3 9.2 12.3
ALT/AZ=55.0 -84.6
fwAVG=3.96
sdW=58.0
fwW=3.81
sdS=83.8
fwS=4.28
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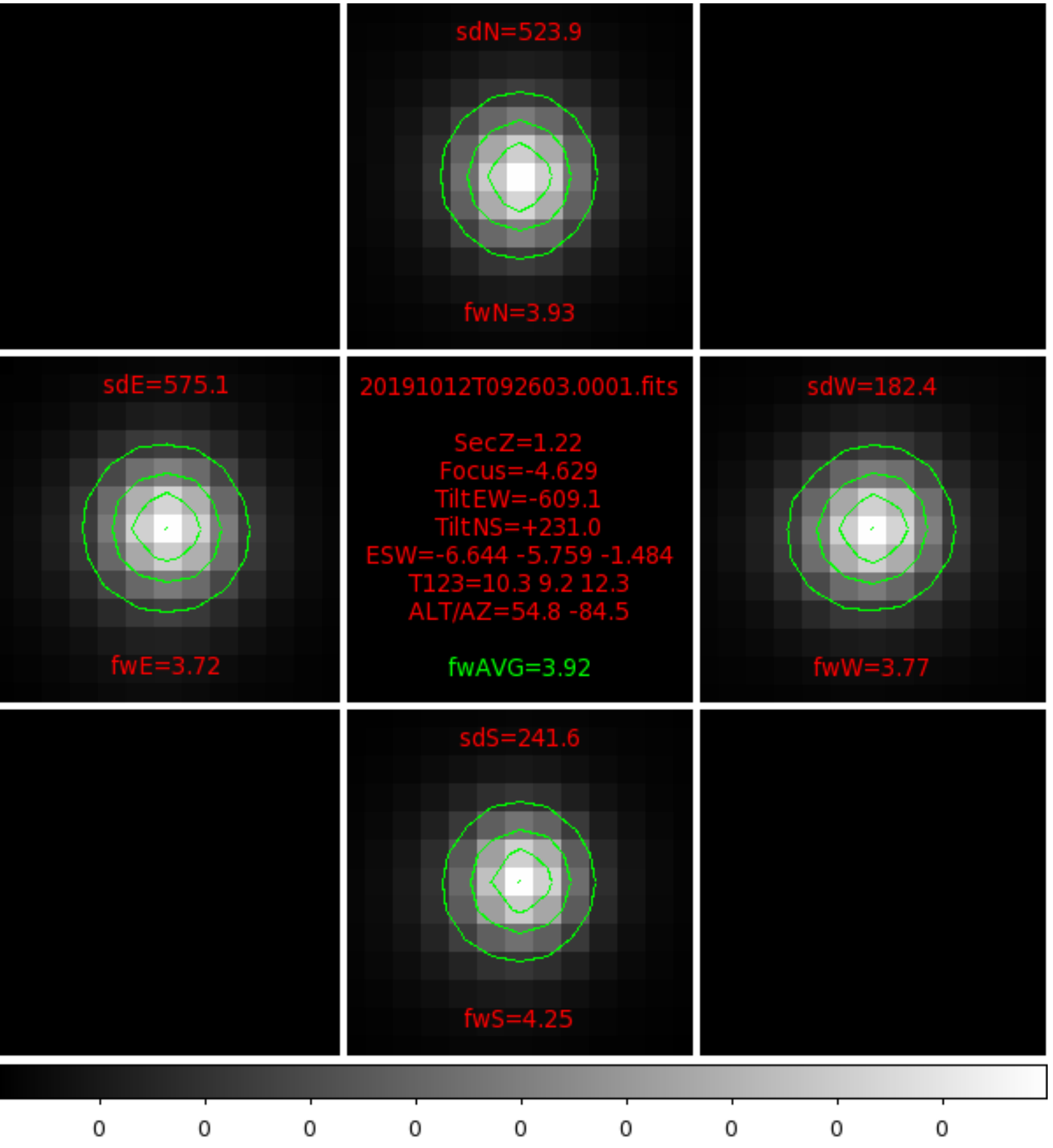
sdN=523.9
fwN=3.93
sdE=575.1
fwE=3.72
20191012T092603.0001.fits
SecZ=1.22
Focus=-4.629
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.644 -5.759 -1.484
T123=10.3 9.2 12.3
ALT/AZ=54.8 -84.5
fwAVG=3.92
sdW=182.4
fwW=3.77
sdS=241.6
fwS=4.25
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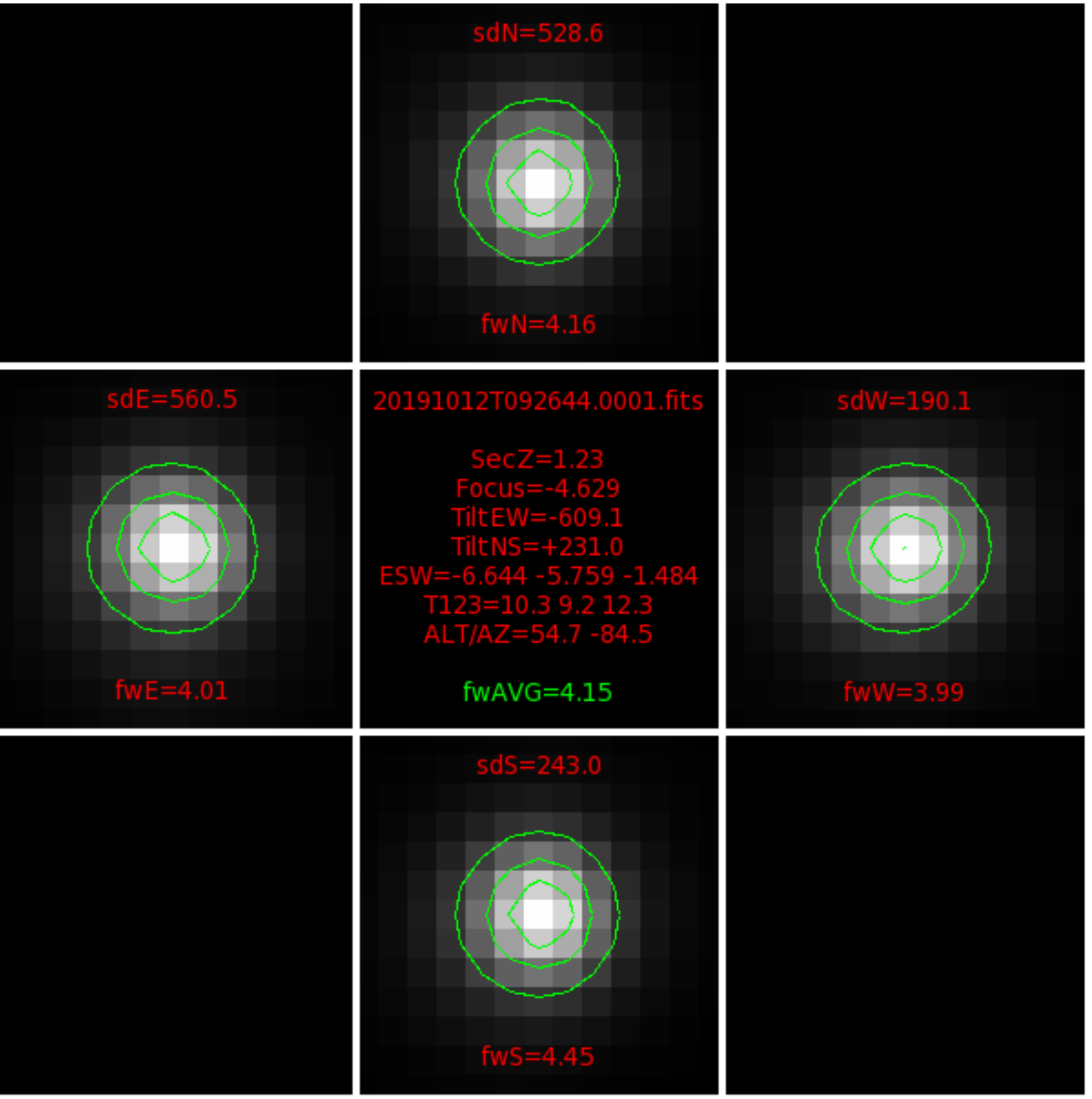
sdN=528.6
fwN=4.16
sdE=560.5
fwE=4.01
20191012T092644.0001.fits
SecZ=1.23
Focus=-4.629
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.644 -5.759 -1.484
T123=10.3 9.2 12.3
ALT/AZ=54.7 -84.5
fwAVG=4.15
sdW=190.1
fwW=3.99
sdS=243.0
fwS=4.45
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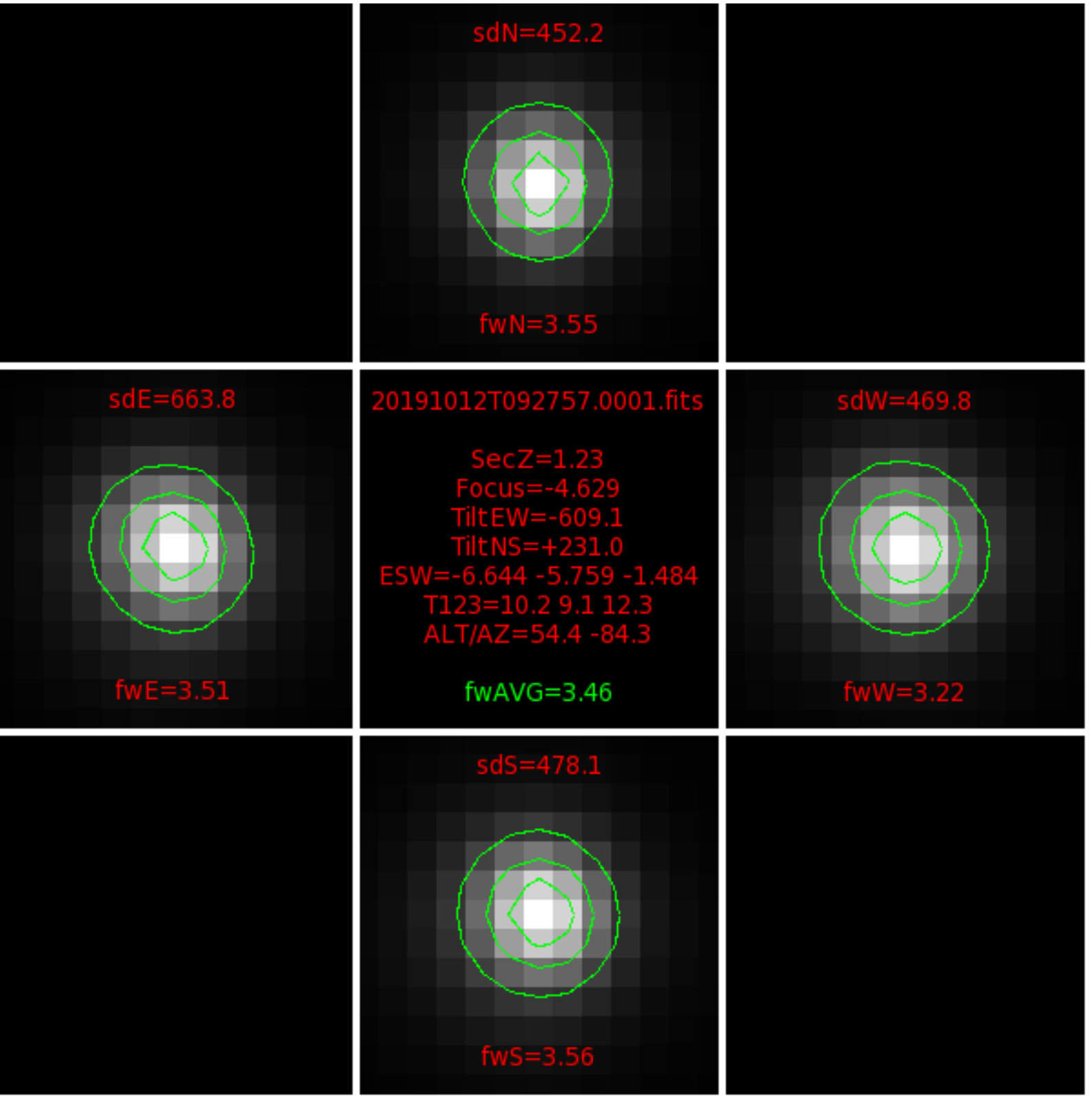
sdN=452.2
fwN=3.55
sdE=663.8
fwE=3.51
20191012T092757.0001.fits
SecZ=1.23
Focus=-4.629
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.644 -5.759 -1.484
T123=10.2 9.1 12.3
ALT/AZ=54.4 -84.3
fwAVG=3.46
sdW=469.8
fwW=3.22
sdS=478.1
fwS=3.56
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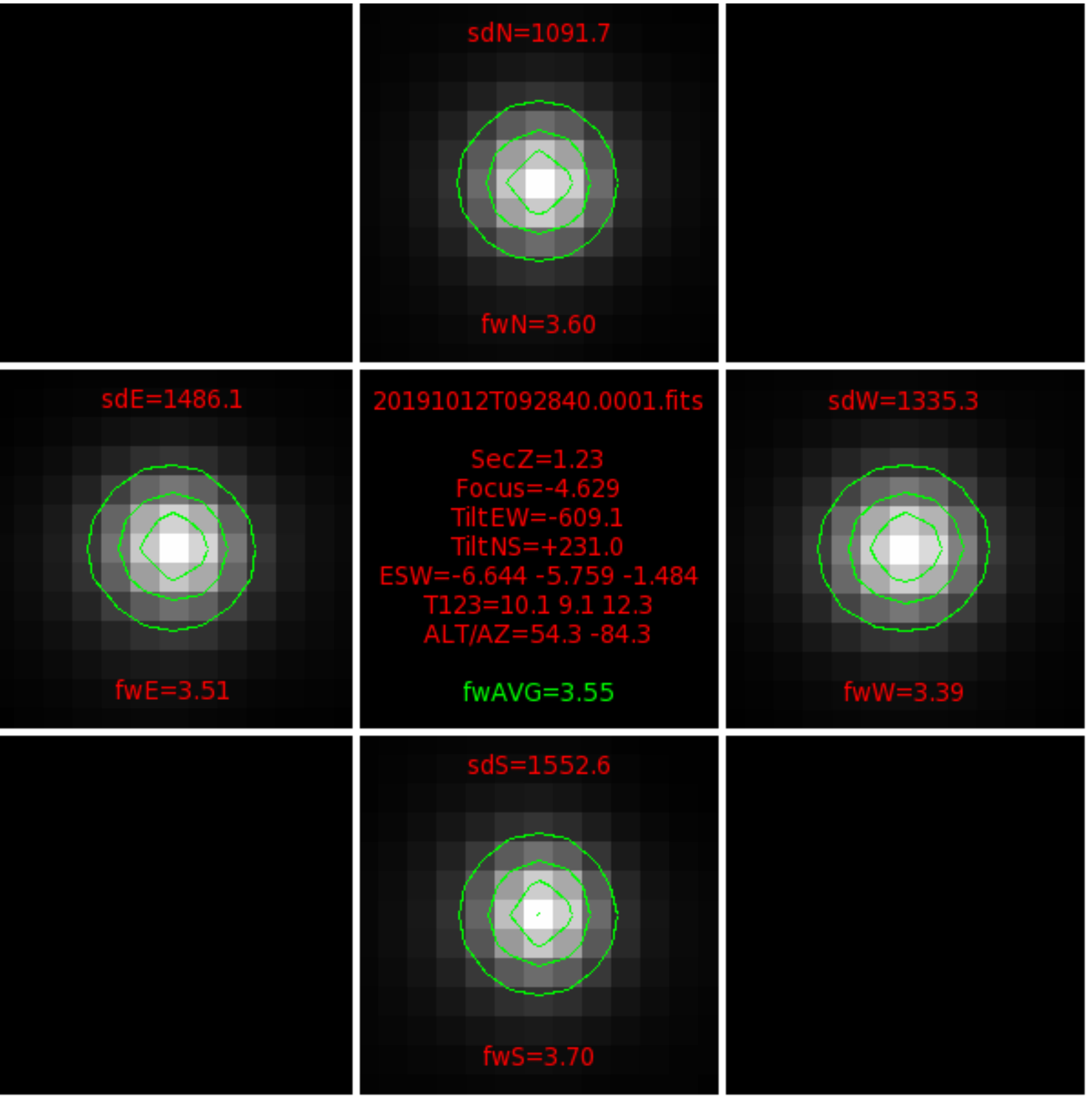
sdN=1091.7
fwN=3.60
sdE=1486.1
fwE=3.51
20191012T092840.0001.fits
SecZ=1.23
Focus=-4.629
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.644 -5.759 -1.484
T123=10.1 9.1 12.3
ALT/AZ=54.3 -84.3
fwAVG=3.55
sdW=1335.3
fwW=3.39
sdS=1552.6
fwS=3.70
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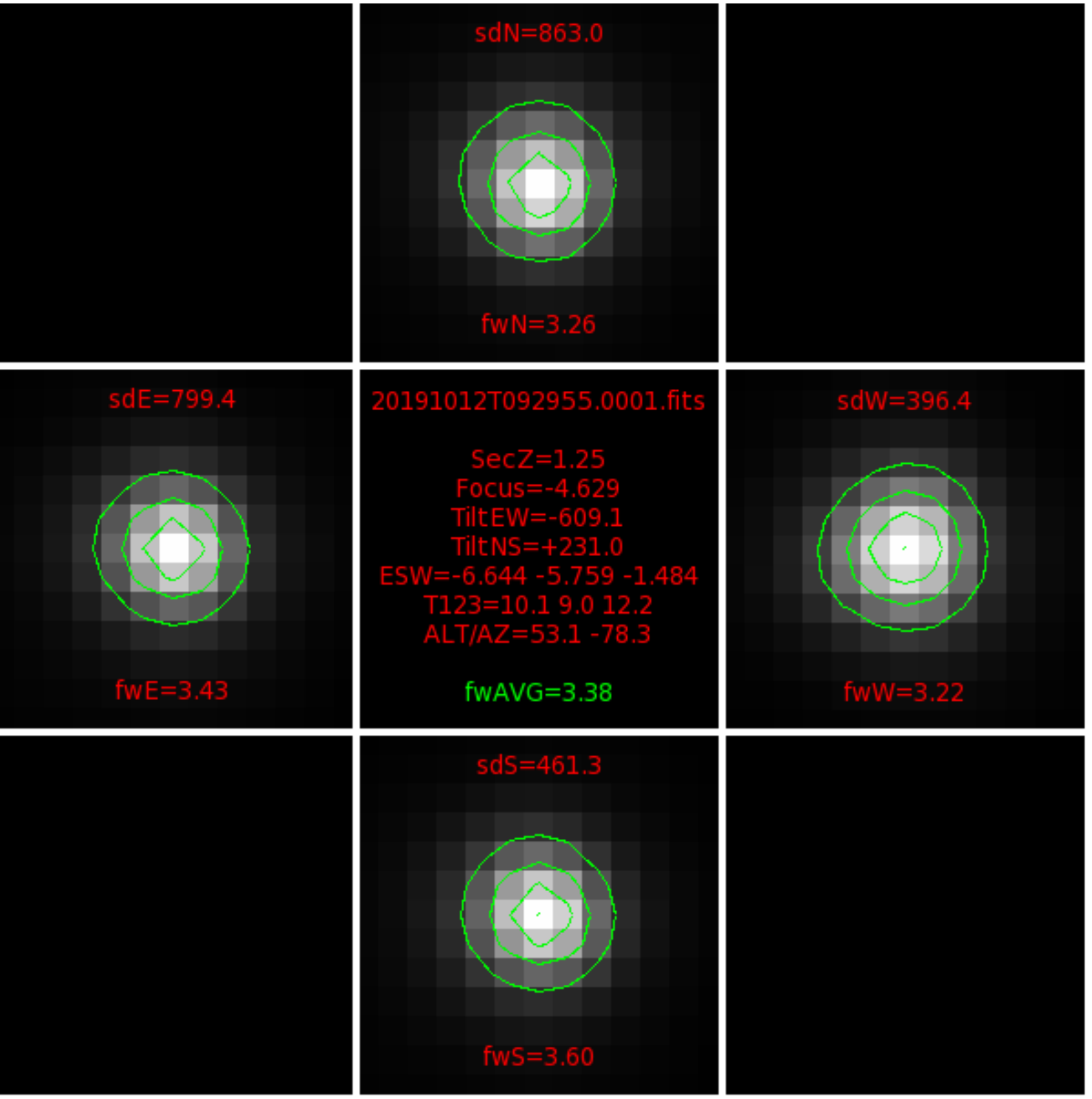
sdN=863.0
fwN=3.26
sdE=799.4
fwE=3.43
20191012T092955.0001.fits
SecZ=1.25
Focus=-4.629
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.644 -5.759 -1.484
T123=10.1 9.0 12.2
ALT/AZ=53.1 -78.3
fwAVG=3.38
sdW=396.4
fwW=3.22
sdS=461.3
fwS=3.60
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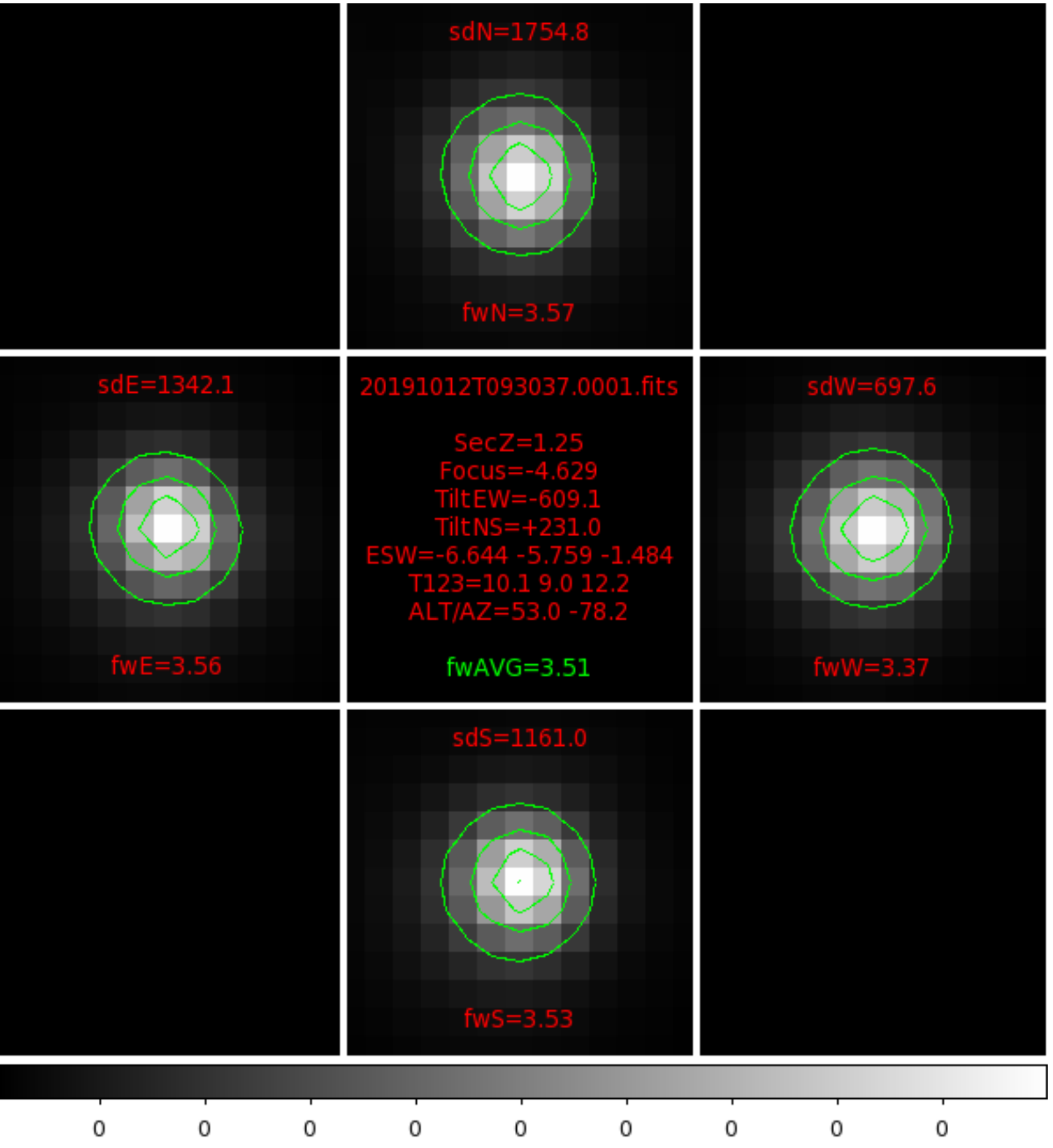
sdN=1754.8
fwN=3.57
sdE=1342.1
fwE=3.56
20191012T093037.0001.fits
SecZ=1.25
Focus=-4.629
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.644 -5.759 -1.484
T123=10.1 9.0 12.2
ALT/AZ=53.0 -78.2
fwAVG=3.51
sdW=697.6
fwW=3.37
sdS=1161.0
fwS=3.53
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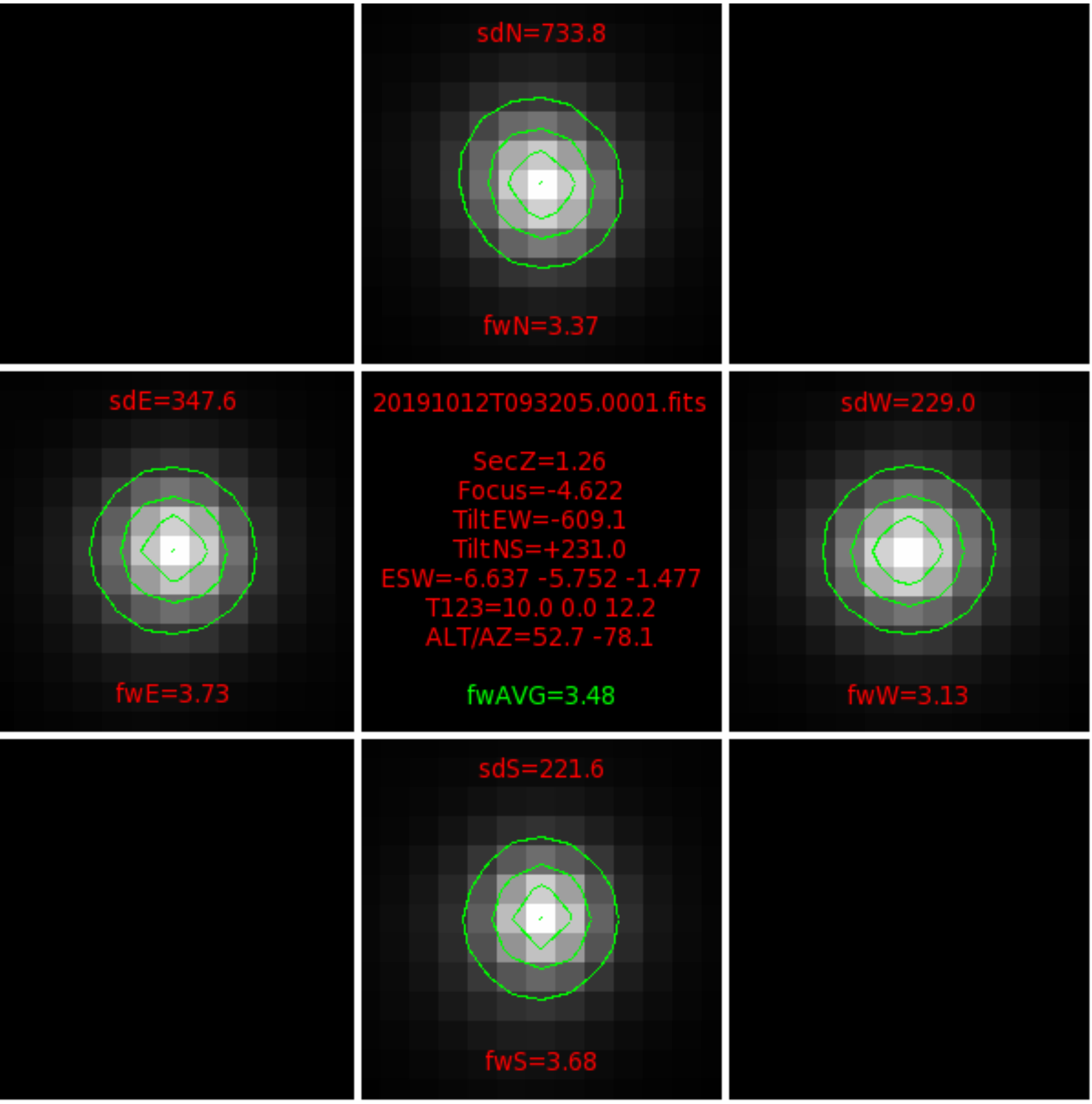
sdN=733.8
fwN=3.37
sdE=347.6
fwE=3.73
20191012T093205.0001.fits
SecZ=1.26
Focus=-4.622
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.637 -5.752 -1.477
T123=10.0 0.0 12.2
ALT/AZ=52.7 -78.1
fwAVG=3.48
sdW=229.0
fwW=3.13
sdS=221.6
fwS=3.68
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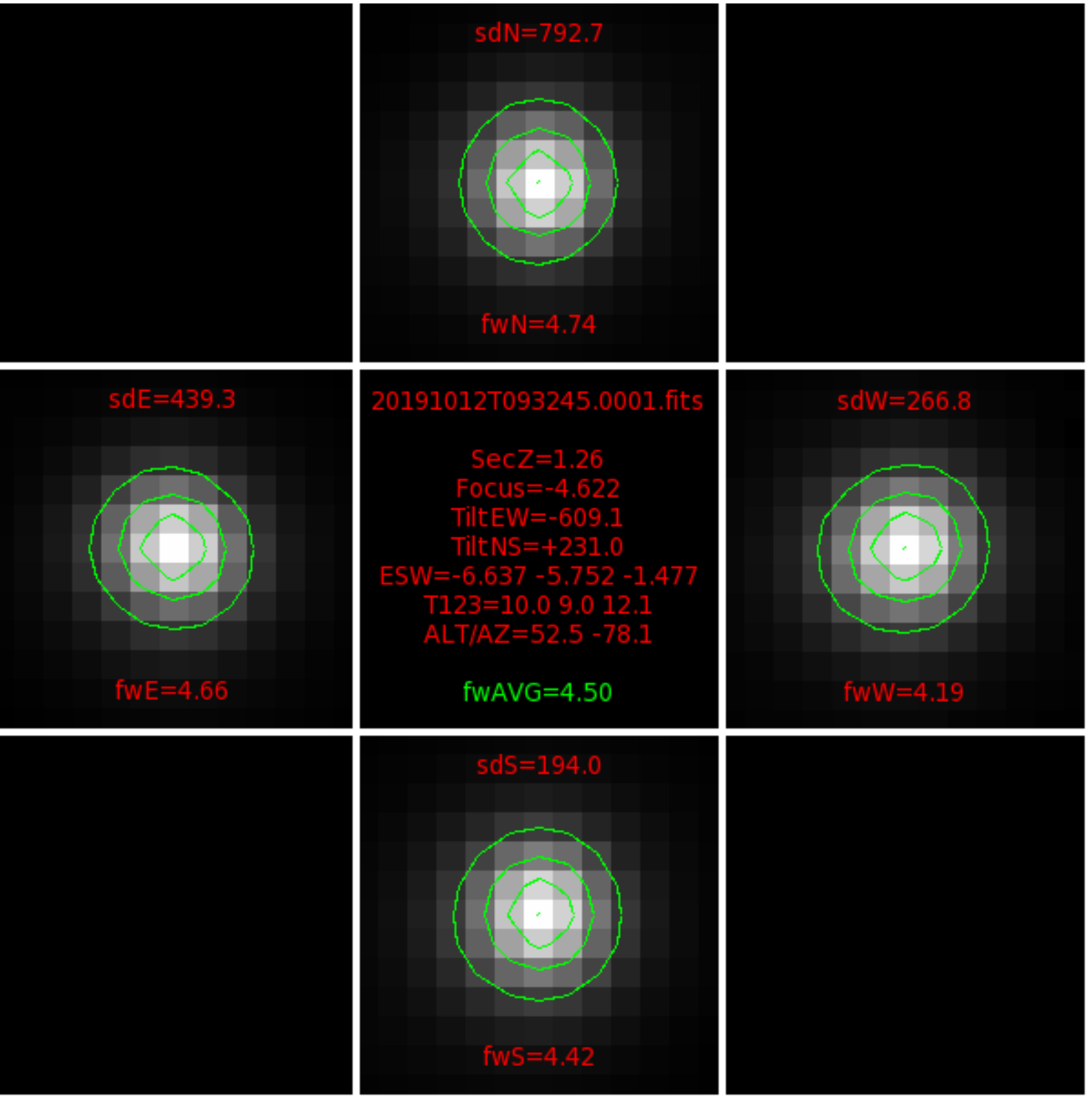
sdN=792.7
fwN=4.74
sdE=439.3
fwE=4.66
20191012T093245.0001.fits
SecZ=1.26
Focus=-4.622
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.637 -5.752 -1.477
T123=10.0 9.0 12.1
ALT/AZ=52.5 -78.1
fwAVG=4.50
sdW=266.8
fwW=4.19
sdS=194.0
fwS=4.42
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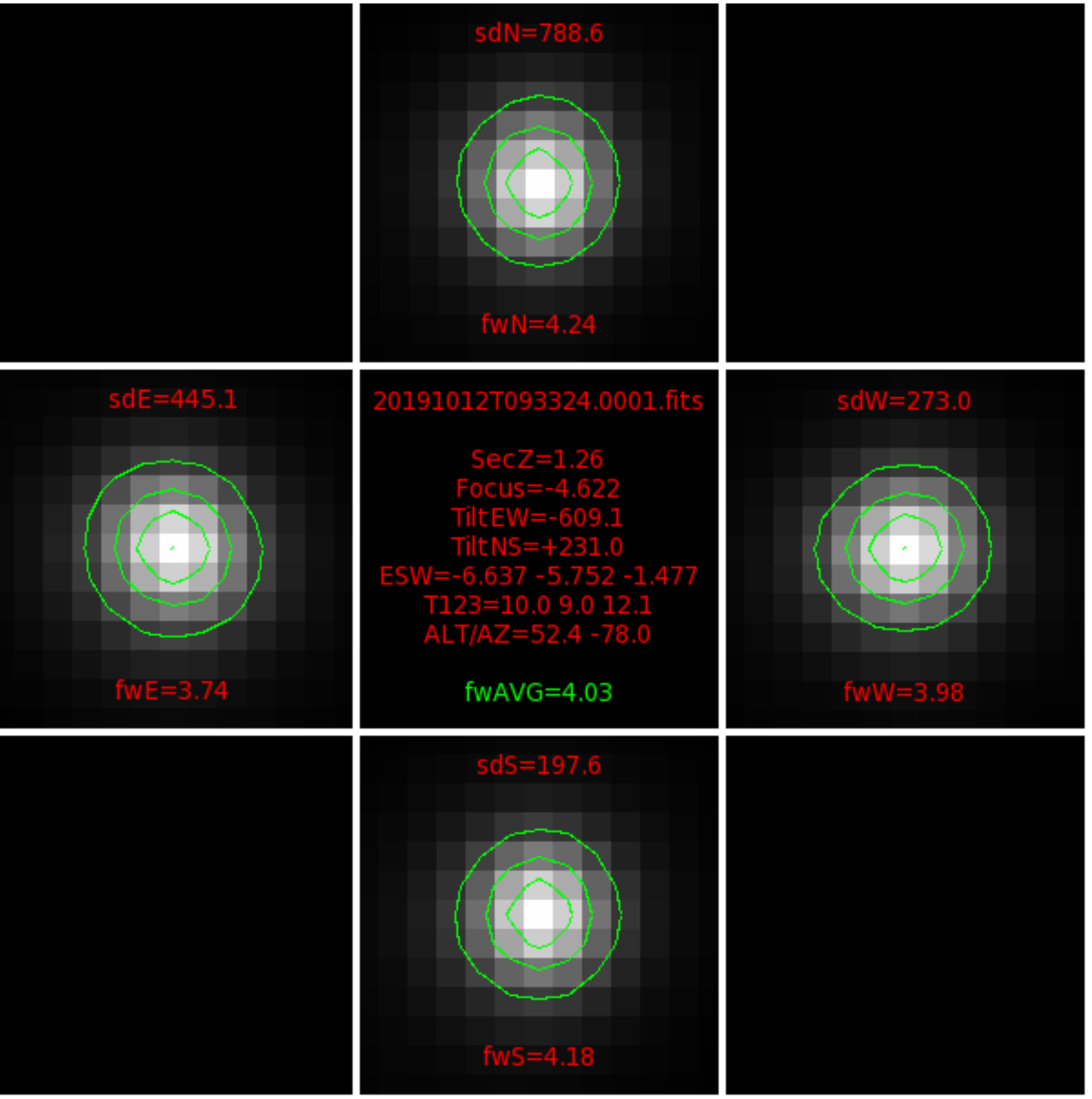
sdN=788.6
fwN=4.24
sdE=445.1
fwE=3.74
20191012T093324.0001.fits
SecZ=1.26
Focus=-4.622
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.637 -5.752 -1.477
T123=10.0 9.0 12.1
ALT/AZ=52.4 -78.0
fwAVG=4.03
sdW=273.0
fwW=3.98
sdS=197.6
fwS=4.18
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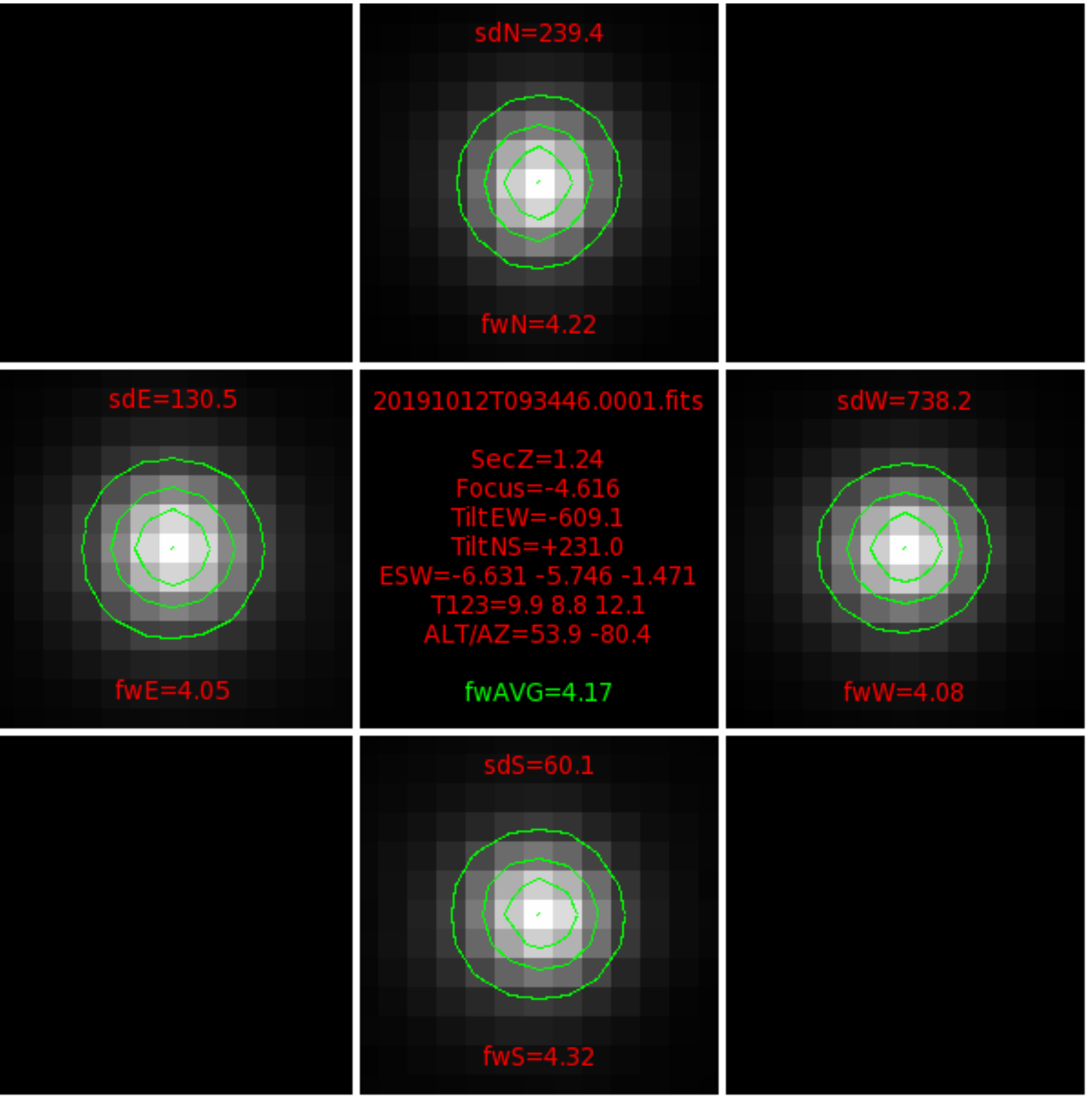
sdN=239.4
fwN=4.22
sdE=130.5
fwE=4.05
20191012T093446.0001.fits
SecZ=1.24
Focus=-4.616
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.631 -5.746 -1.471
T123=9.9 8.8 12.1
ALT/AZ=53.9 -80.4
fwAVG=4.17
sdW=738.2
fwW=4.08
sdS=60.1
fwS=4.32
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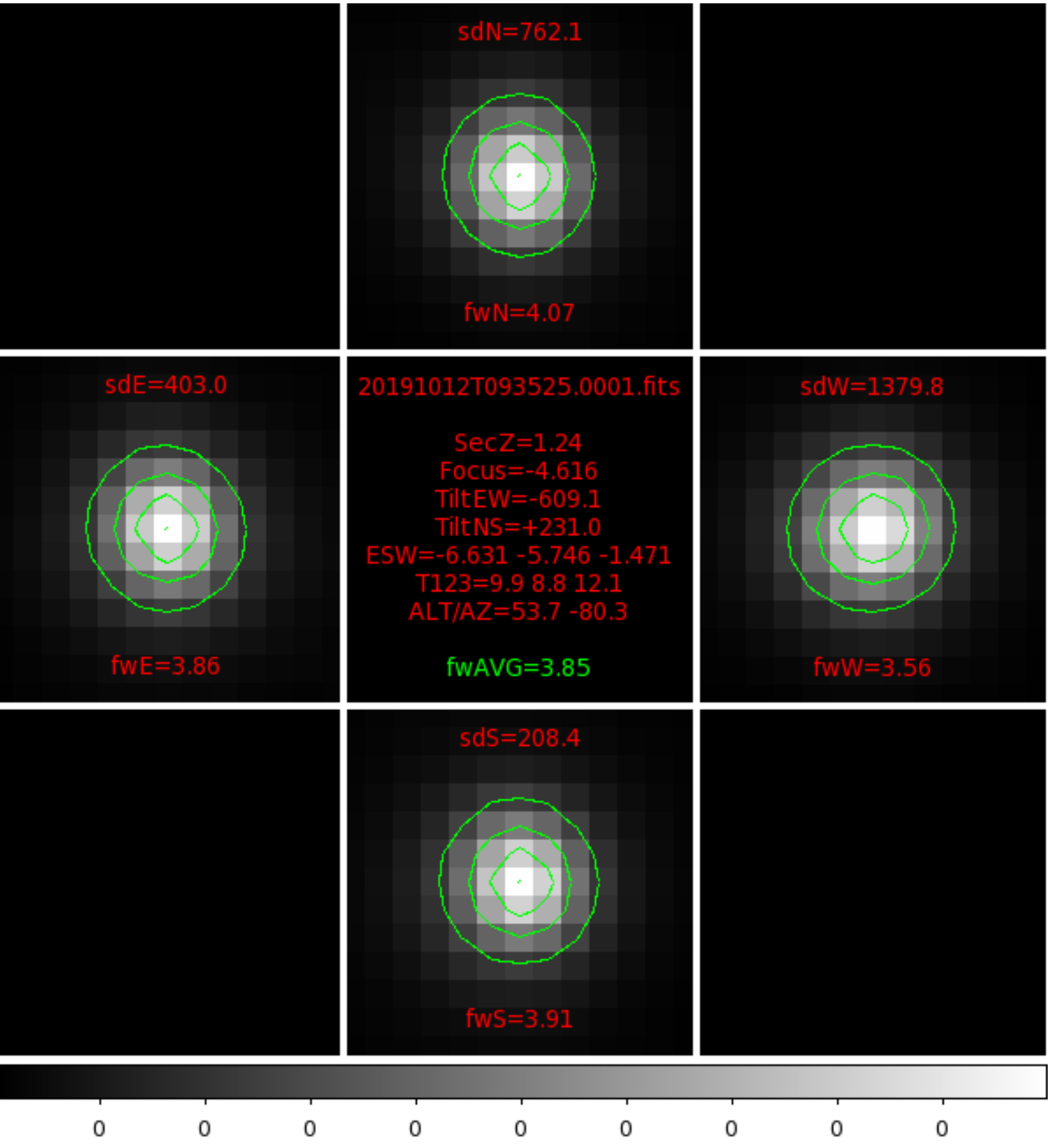
sdN=762.1
fwN=4.07
sdE=403.0
fwE=3.86
20191012T093525.0001.fits
SecZ=1.24
Focus=-4.616
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.631 -5.746 -1.471
T123=9.9 8.8 12.1
ALT/AZ=53.7 -80.3
fwAVG=3.85
sdW=1379.8
fwW=3.56
sdS=208.4
fwS=3.91
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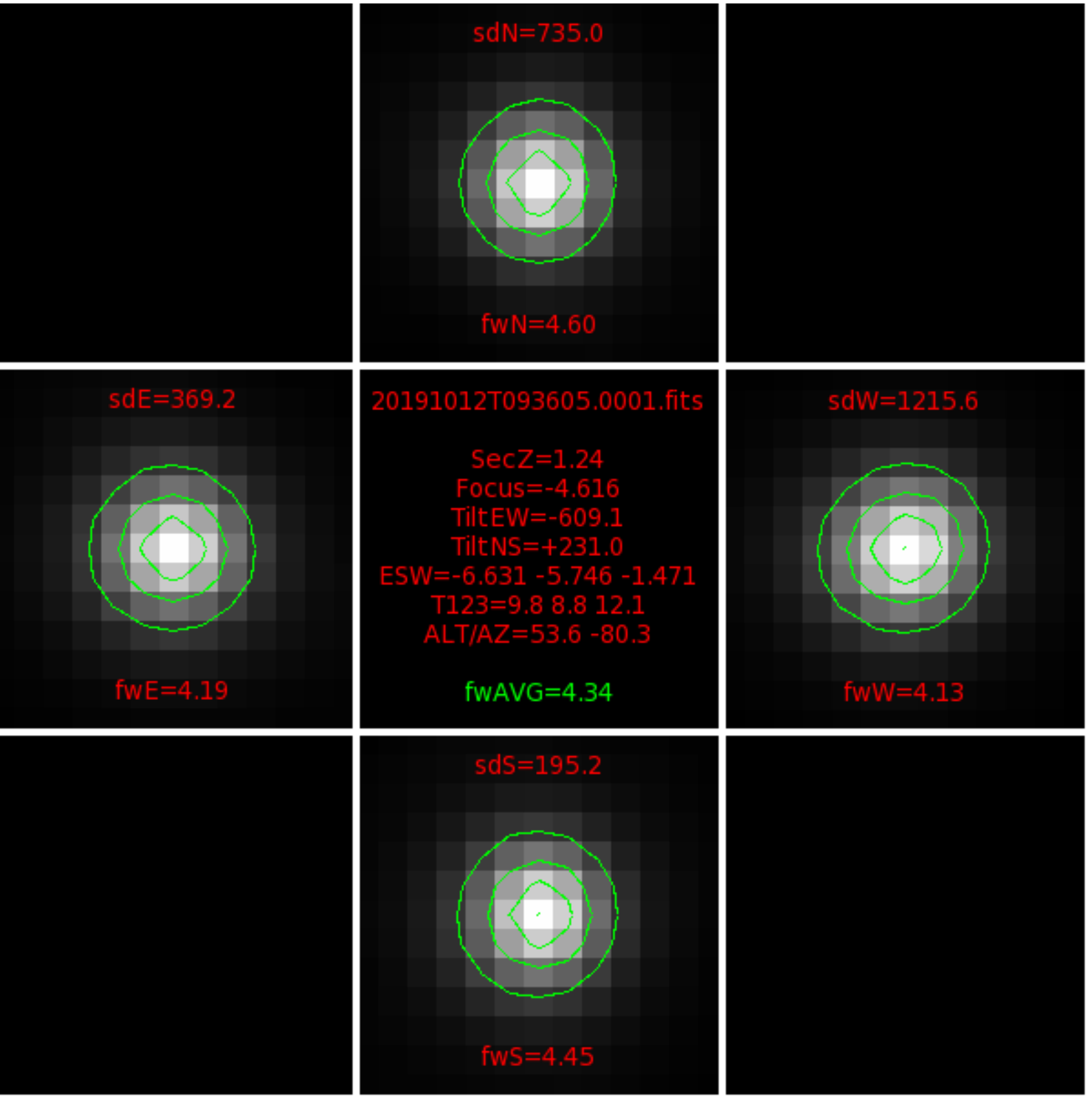
sdN=735.0
fwN=4.60
sdE=369.2
fwE=4.19
20191012T093605.0001.fits
SecZ=1.24
Focus=-4.616
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.631 -5.746 -1.471
T123=9.8 8.8 12.1
ALT/AZ=53.6 -80.3
fwAVG=4.34
sdW=1215.6
fwW=4.13
sdS=195.2
fwS=4.45
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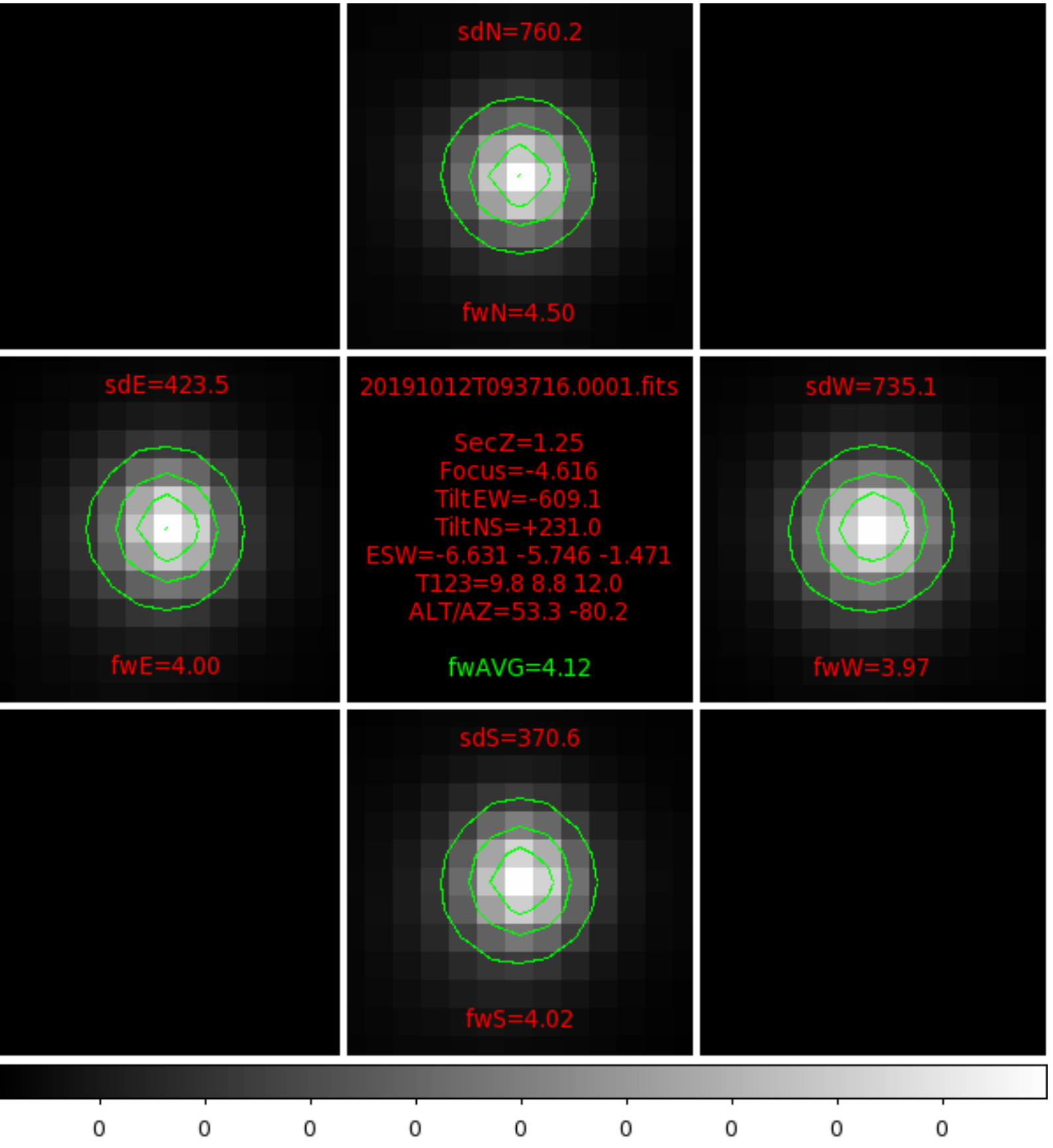
sdN=760.2
fwN=4.50
sdE=423.5
fwE=4.00
20191012T093716.0001.fits
SecZ=1.25
Focus=-4.616
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.631 -5.746 -1.471
T123=9.8 8.8 12.0
ALT/AZ=53.3 -80.2
fwAVG=4.12
sdW=735.1
fwW=3.97
sdS=370.6
fwS=4.02
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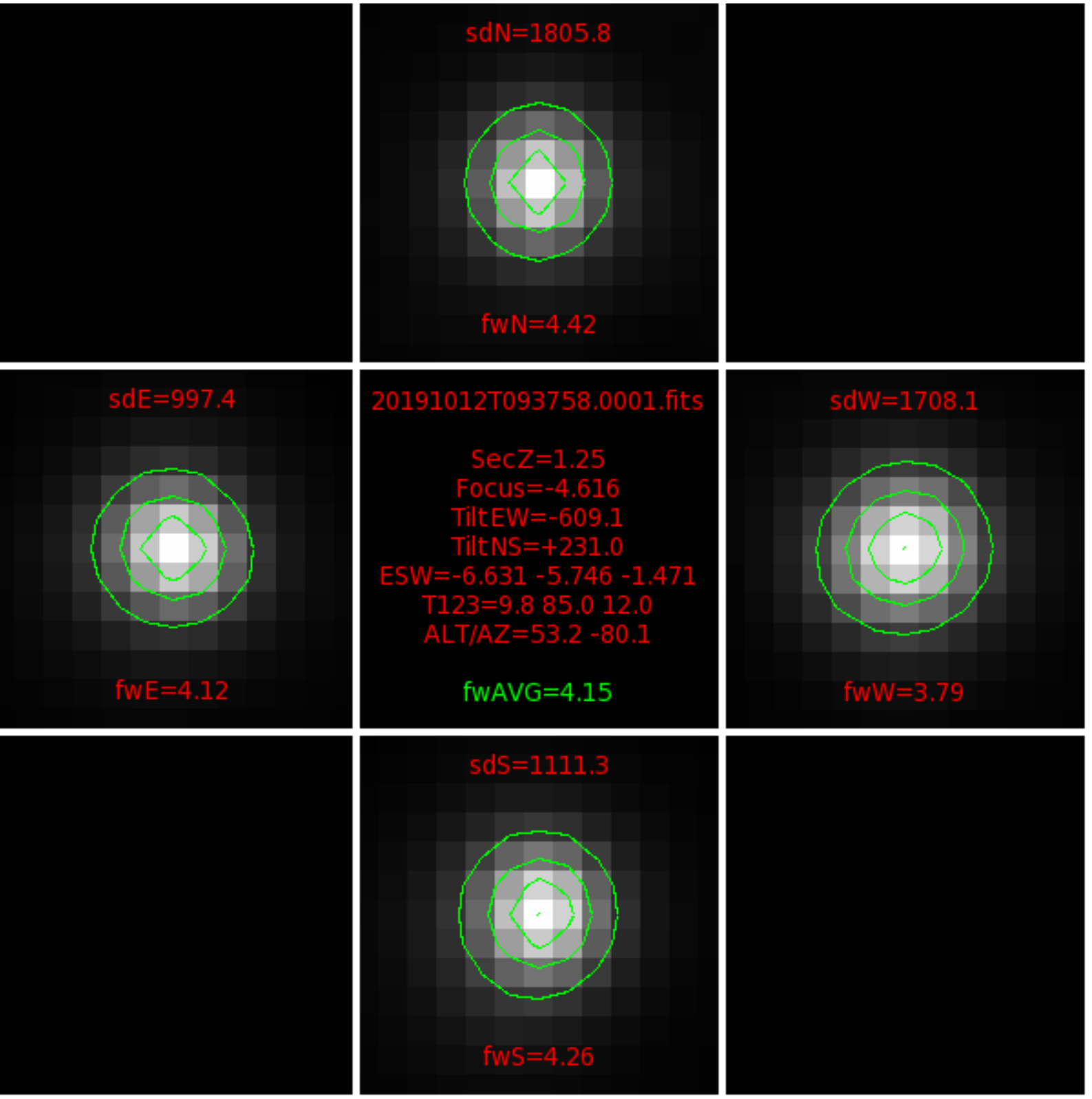
sdN=1805.8
fwN=4.42
sdE=997.4
fwE=4.12
20191012T093758.0001.fits
SecZ=1.25
Focus=-4.616
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.631 -5.746 -1.471
T123=9.8 85.0 12.0
ALT/AZ=53.2 -80.1
fwAVG=4.15
sdW=1708.1
fwW=3.79
sdS=1111.3
fwS=4.26
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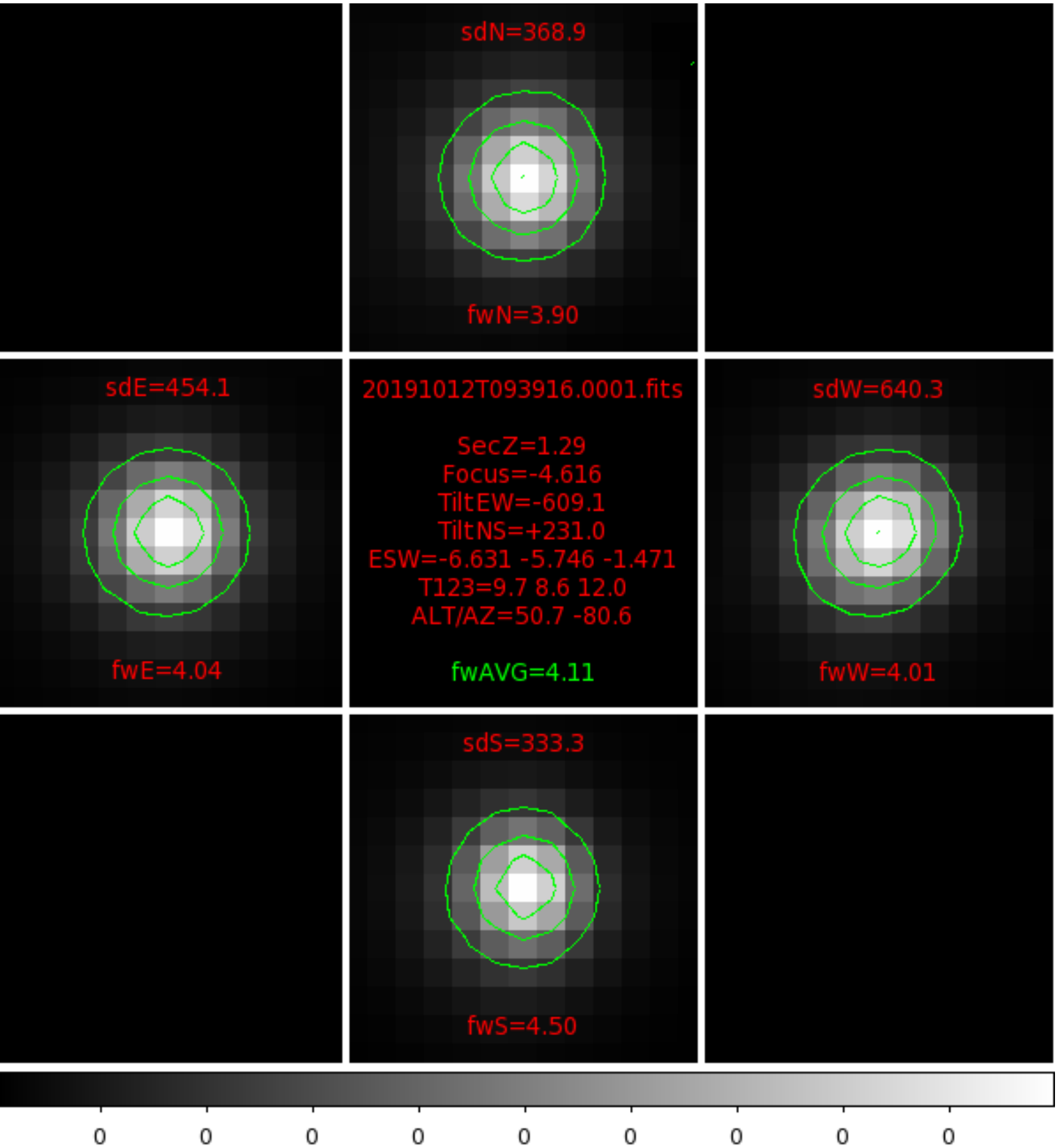
sdN=368.9
fwN=3.90
sdE=454.1
fwE=4.04
20191012T093916.0001.fits
SecZ=1.29
Focus=-4.616
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.631 -5.746 -1.471
T123=9.7 8.6 12.0
ALT/AZ=50.7 -80.6
fwAVG=4.11
sdW=640.3
fwW=4.01
sdS=333.3
fwS=4.50
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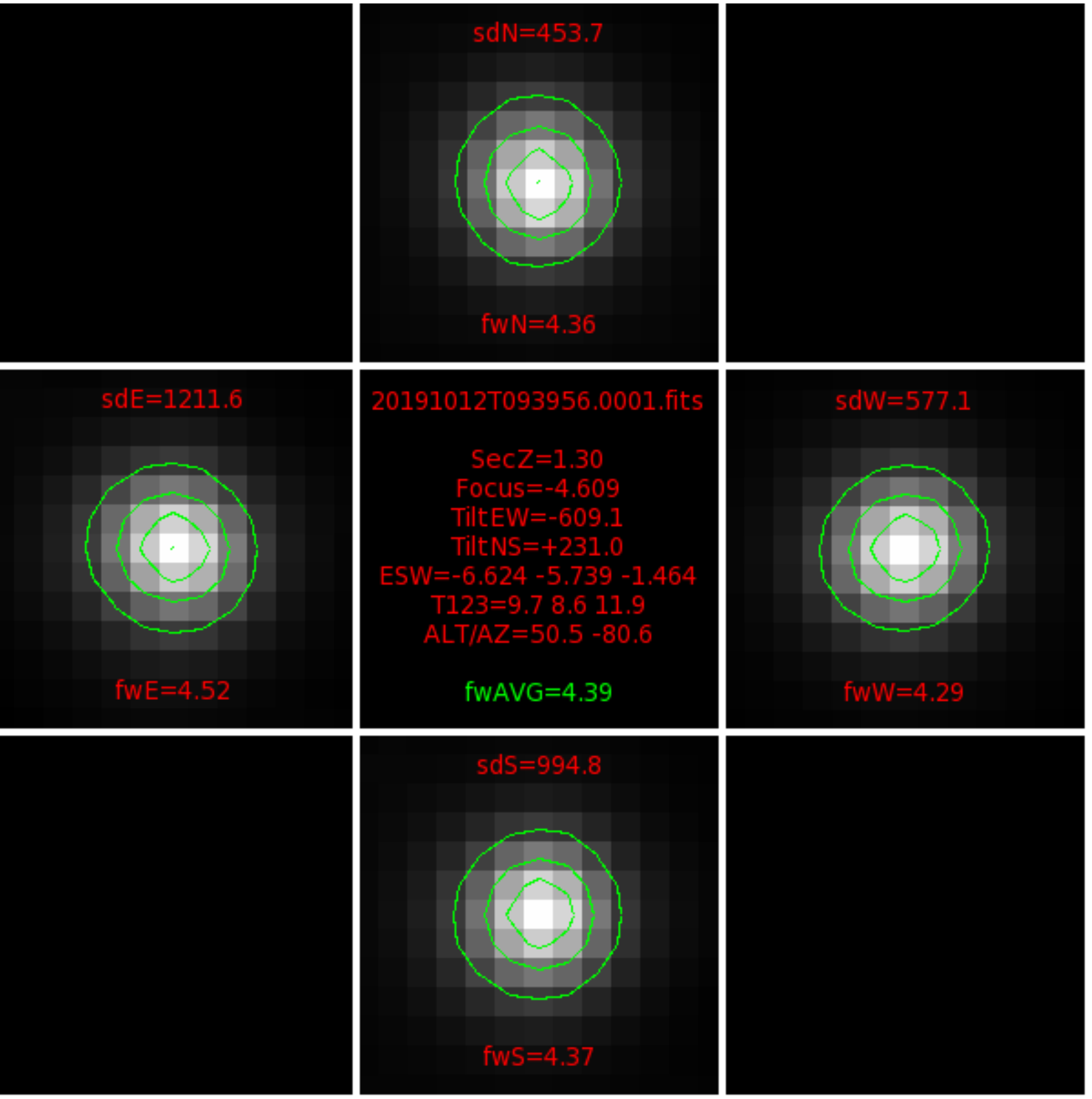
sdN=453.7
fwN=4.36
sdE=1211.6
fwE=4.52
20191012T093956.0001.fits
SecZ=1.30
Focus=-4.609
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.624 -5.739 -1.464
T123=9.7 8.6 11.9
ALT/AZ=50.5 -80.6
fwAVG=4.39
sdW=577.1
fwW=4.29
sdS=994.8
fwS=4.37
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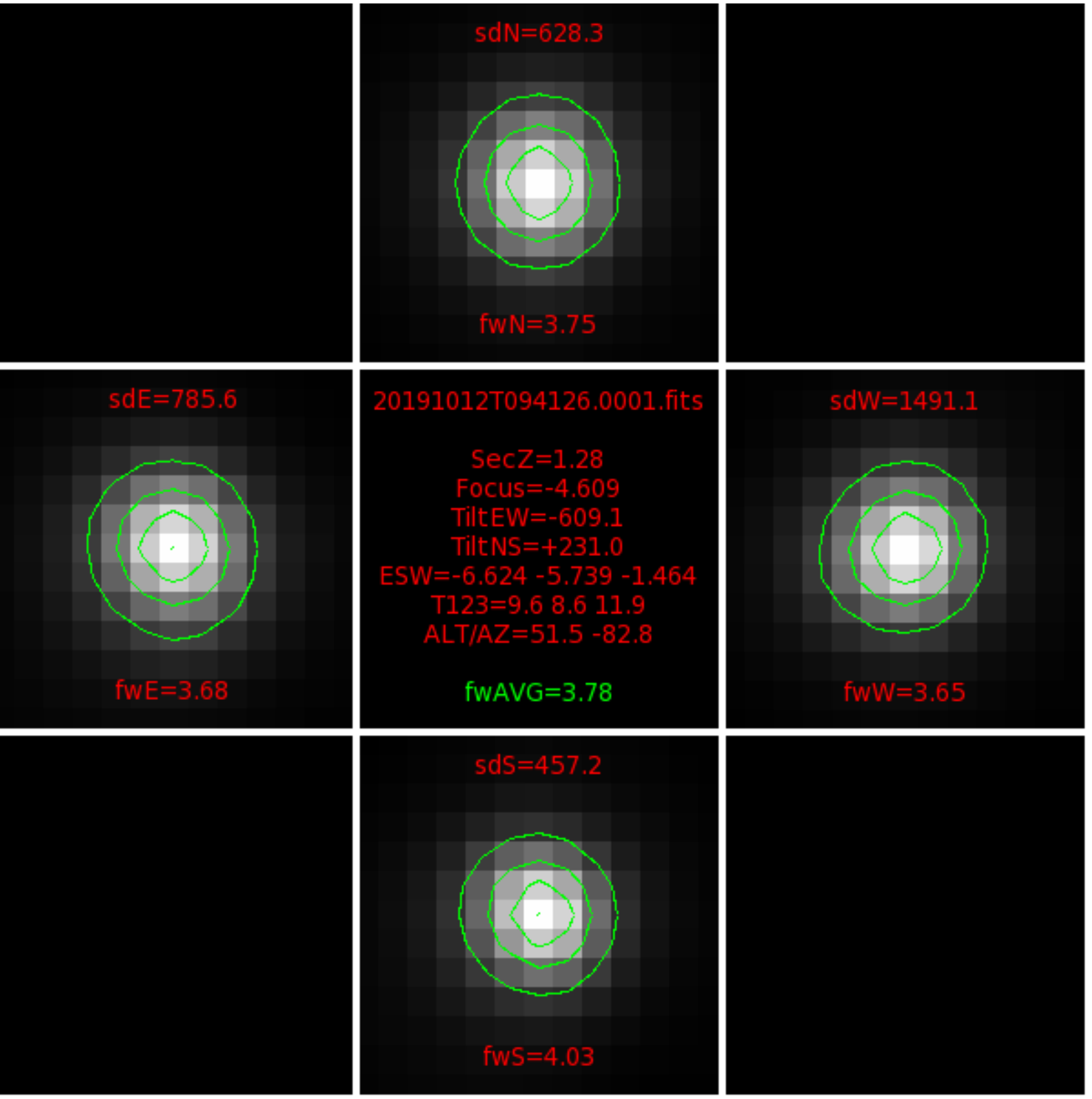
sdN=628.3
fwN=3.75
sdE=785.6
fwE=3.68
20191012T094126.0001.fits
SecZ=1.28
Focus=-4.609
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.624 -5.739 -1.464
T123=9.6 8.6 11.9
ALT/AZ=51.5 -82.8
fwAVG=3.78
sdW=1491.1
fwW=3.65
sdS=457.2
fwS=4.03
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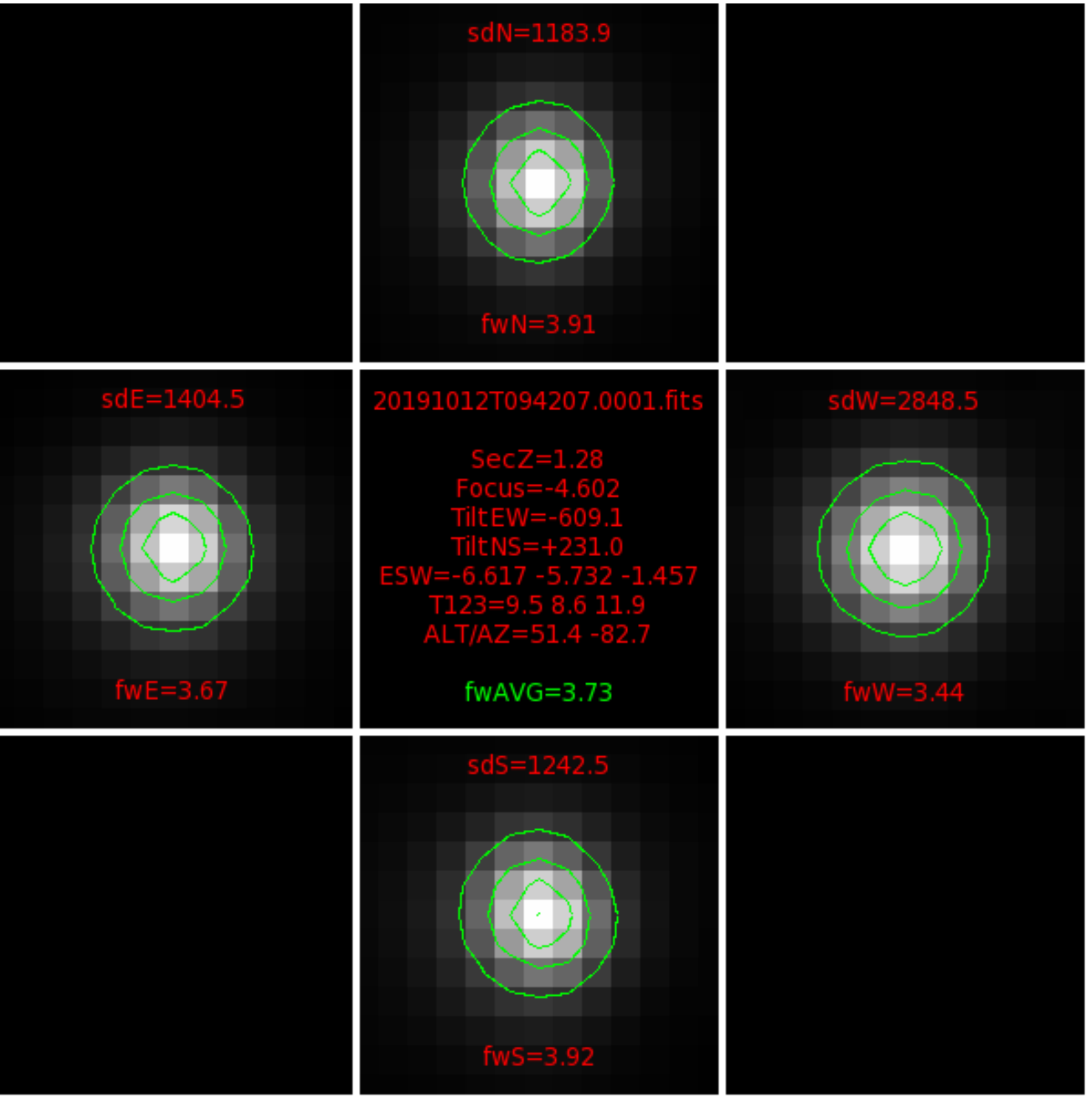
sdN=1183.9
fwN=3.91
sdE=1404.5
fwE=3.67
20191012T094207.0001.fits
SecZ=1.28
Focus=-4.602
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.617 -5.732 -1.457
T123=9.5 8.6 11.9
ALT/AZ=51.4 -82.7
fwAVG=3.73
sdW=2848.5
fwW=3.44
sdS=1242.5
fwS=3.92
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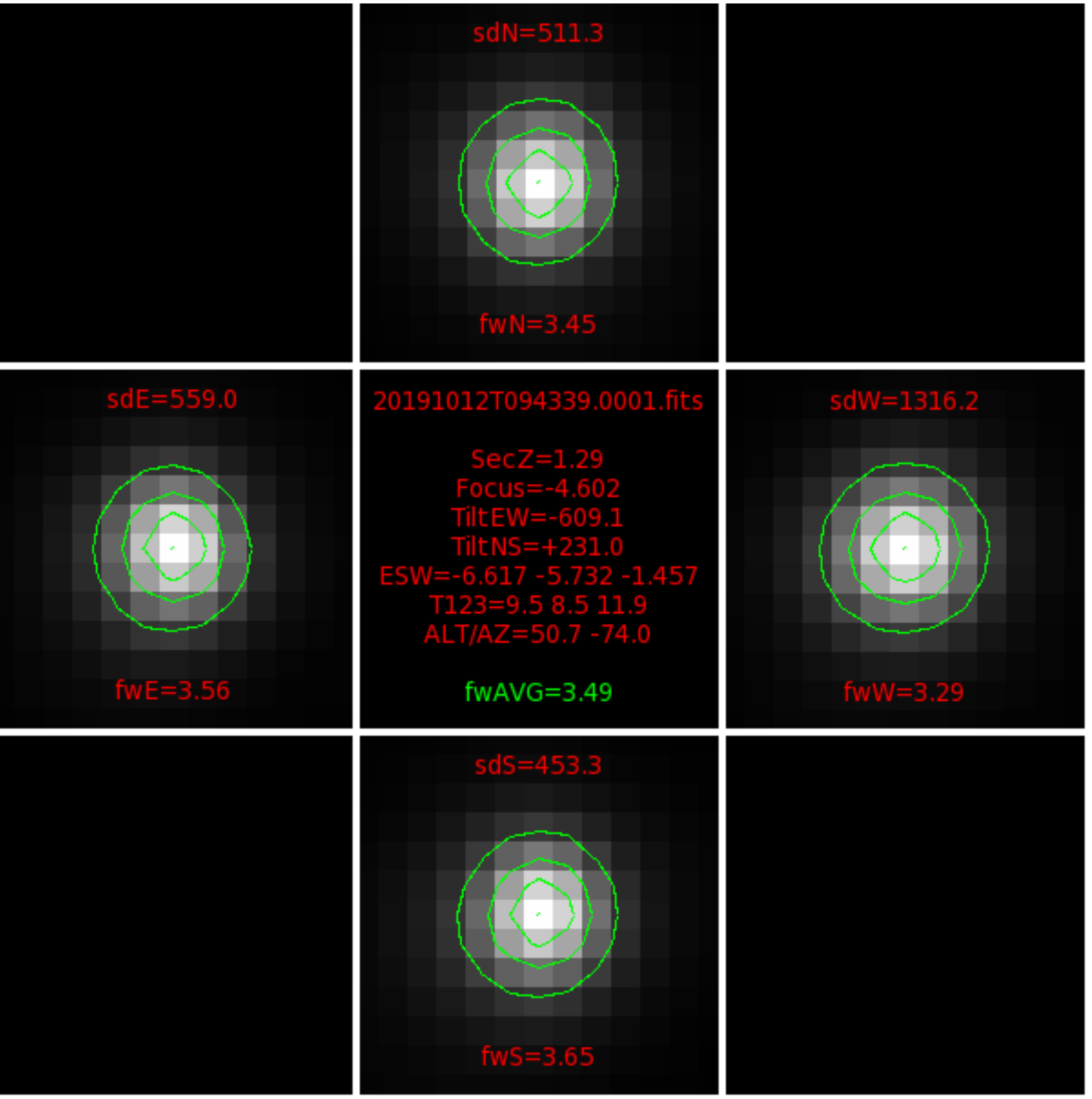
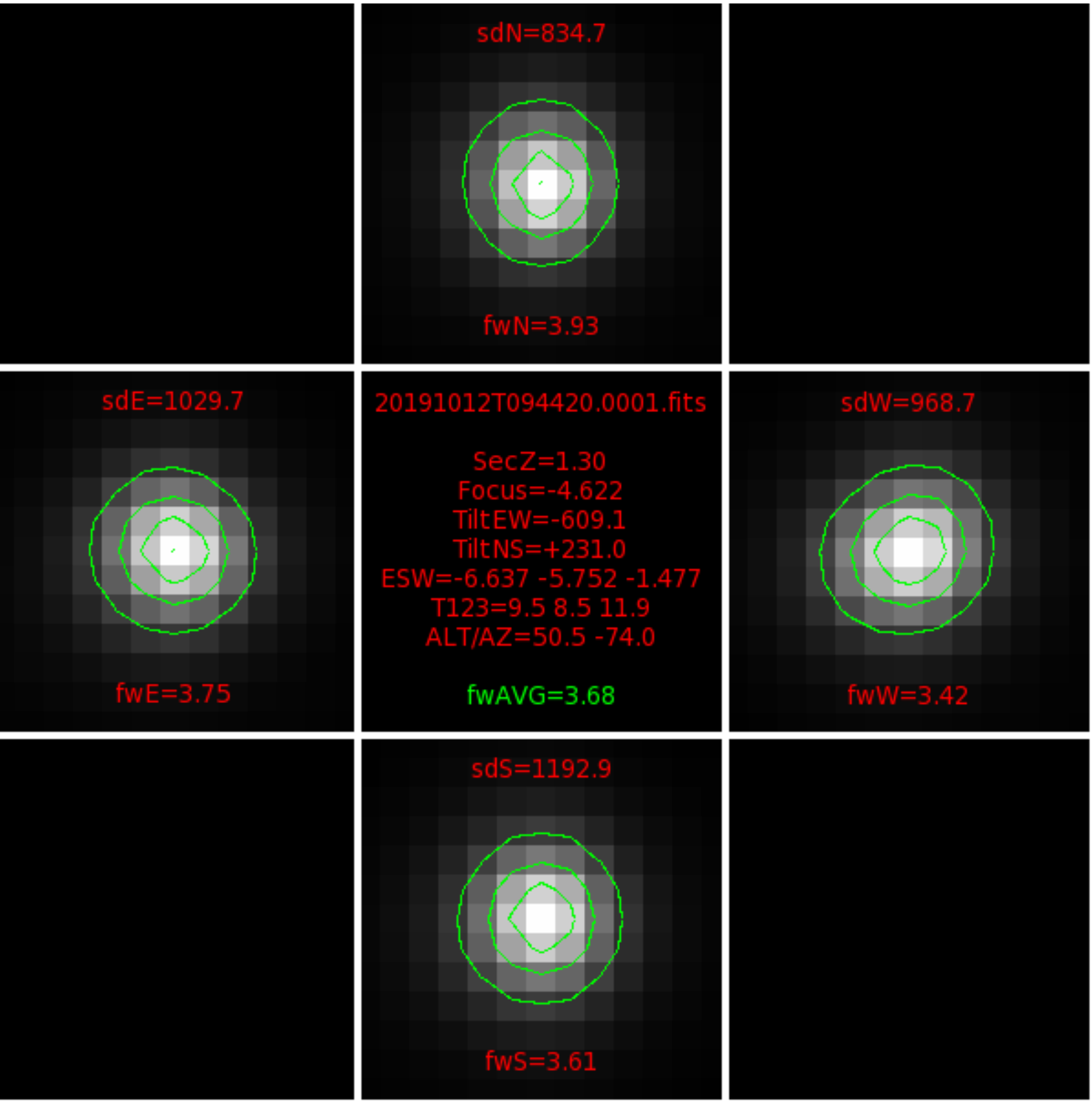

sdN=511.3
fwN=3.45
sdE=559.0
fwE=3.56
20191012T094339.0001.fits
SecZ=1.29
Focus=-4.602
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.617 -5.732 -1.457
T123=9.5 8.5 11.9
ALT/AZ=50.7 -74.0
fwAVG=3.49
sdW=1316.2
fwW=3.29
sdS=453.3
fwS=3.65
0 0 0 0 0 0 0 0 0


sdN=834.7
fwN=3.93
sdE=1029.7
fwE=3.75
20191012T094420.0001.fits
SecZ=1.30
Focus=-4.622
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.637 -5.752 -1.477
T123=9.5 8.5 11.9
ALT/AZ=50.5 -74.0
fwAVG=3.68
sdW=968.7
fwW=3.42
sdS=1192.9
fwS=3.61
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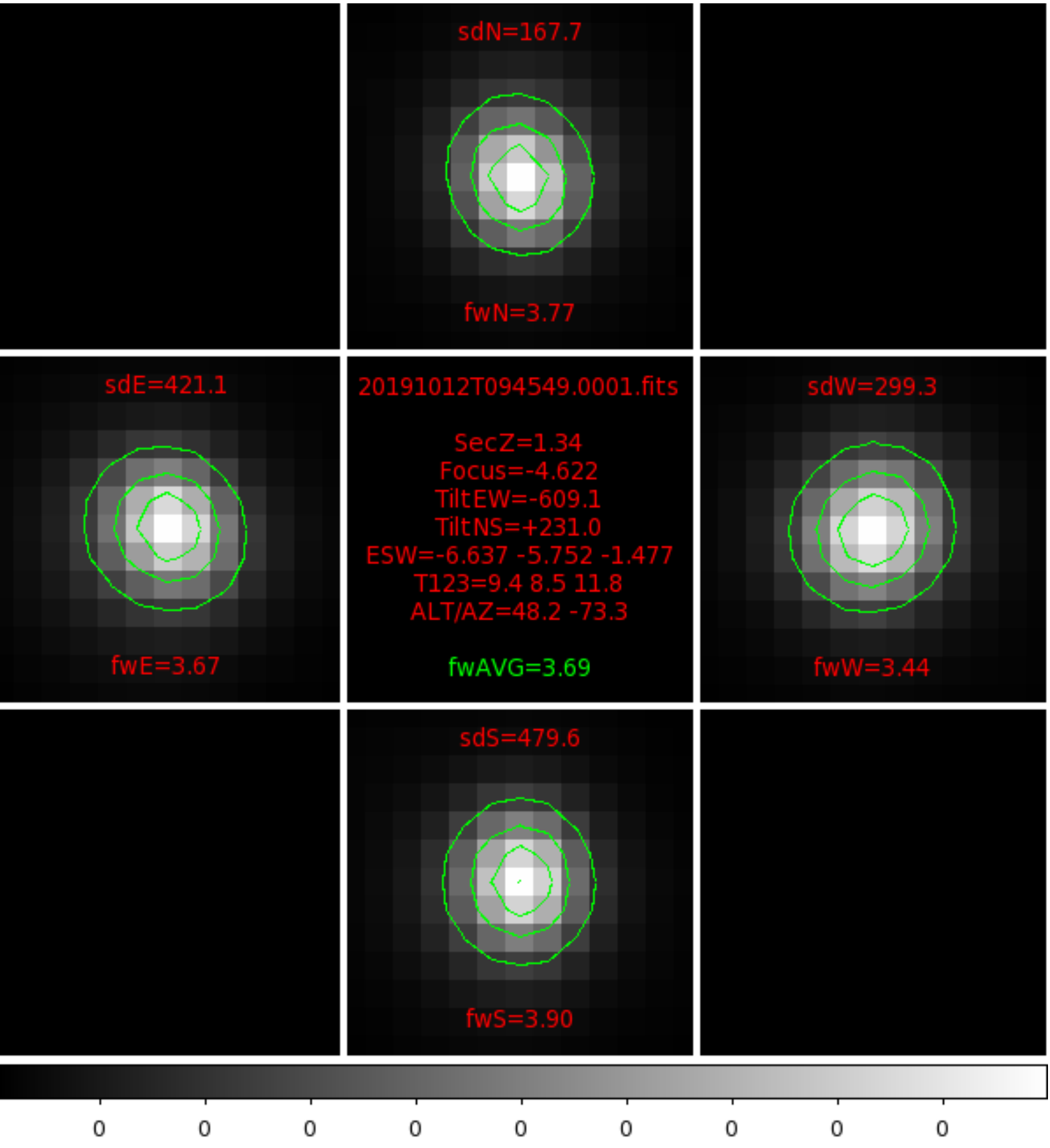
sdN=167.7
fwN=3.77
sdE=421.1
fwE=3.67
20191012T094549.0001.fits
SecZ=1.34
Focus=-4.622
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.637 -5.752 -1.477
T123=9.4 8.5 11.8
ALT/AZ=48.2 -73.3
fwAVG=3.69
sdW=299.3
fwW=3.44
sdS=479.6
fwS=3.90
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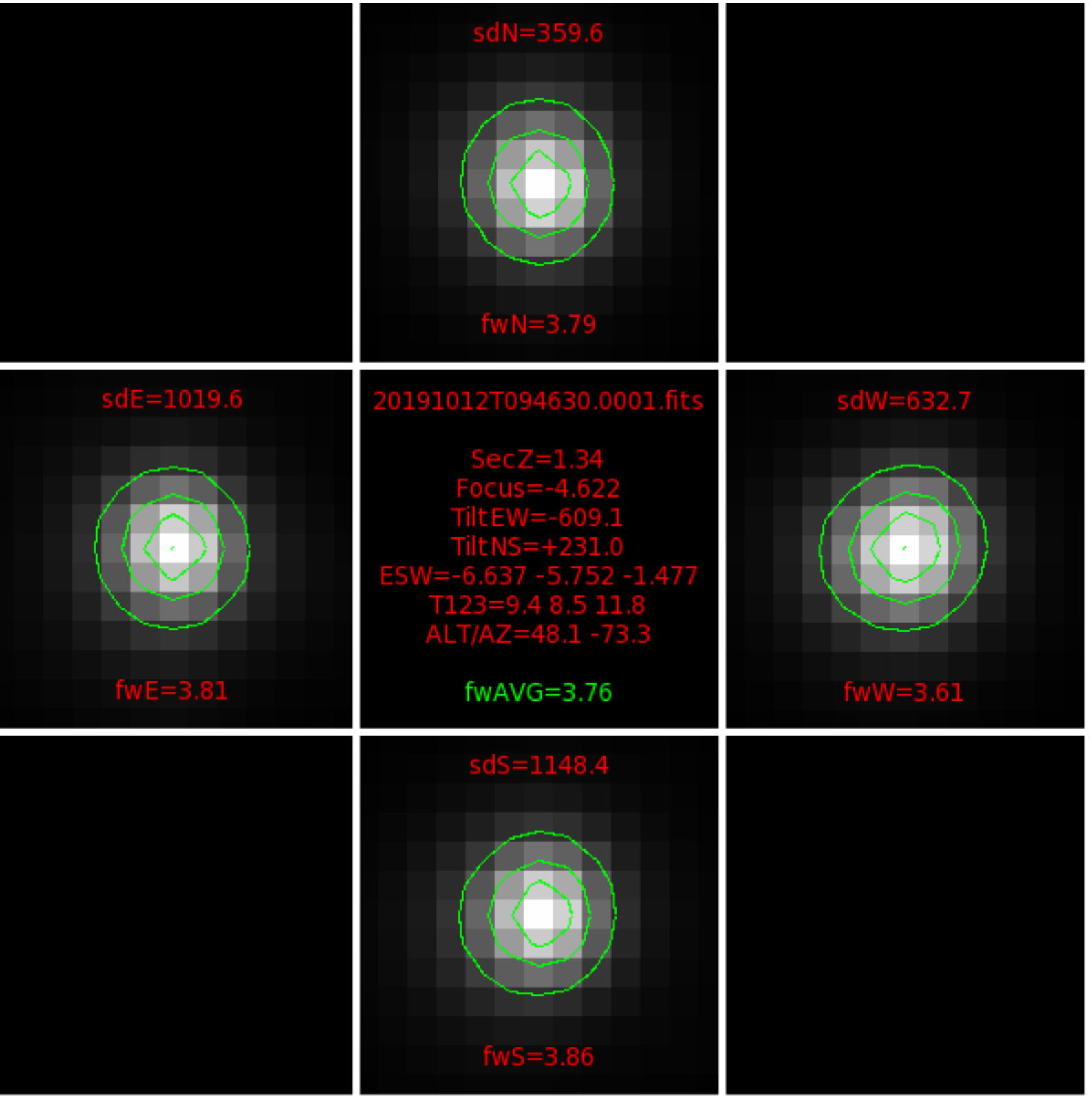
sdN=359.6
fwN=3.79
sdE=1019.6
fwE=3.81
20191012T094630.0001.fits
SecZ=1.34
Focus=-4.622
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.637 -5.752 -1.477
T123=9.4 8.5 11.8
ALT/AZ=48.1 -73.3
fwAVG=3.76
sdW=632.7
fwW=3.61
sdS=1148.4
fwS=3.86
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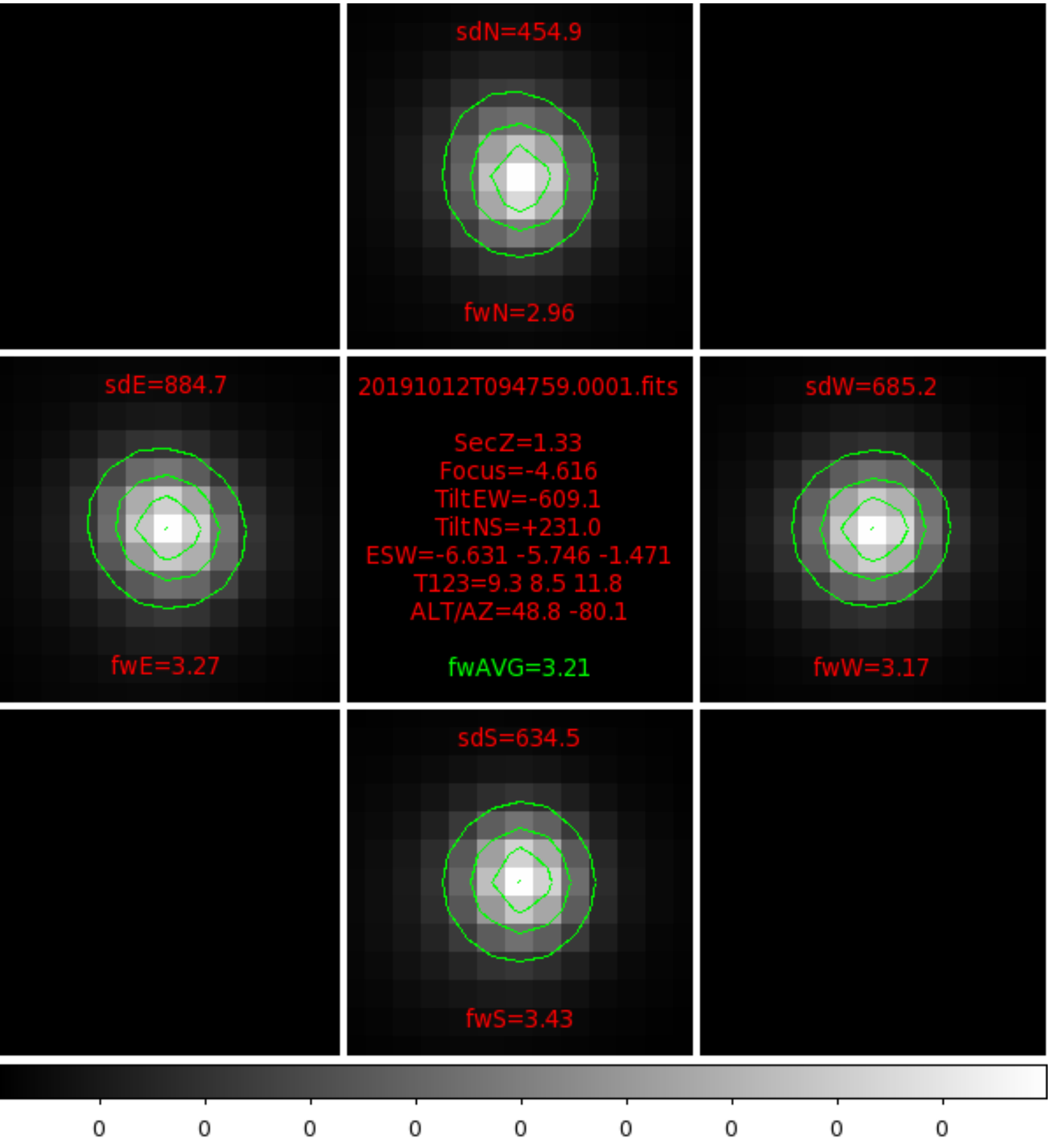
sdN=454.9
fwN=2.96
sdE=884.7
fwE=3.27
20191012T094759.0001.fits
SecZ=1.33
Focus=-4.616
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.631 -5.746 -1.471
T123=9.3 8.5 11.8
ALT/AZ=48.8 -80.1
fwAVG=3.21
sdW=685.2
fwW=3.17
sdS=634.5
fwS=3.43
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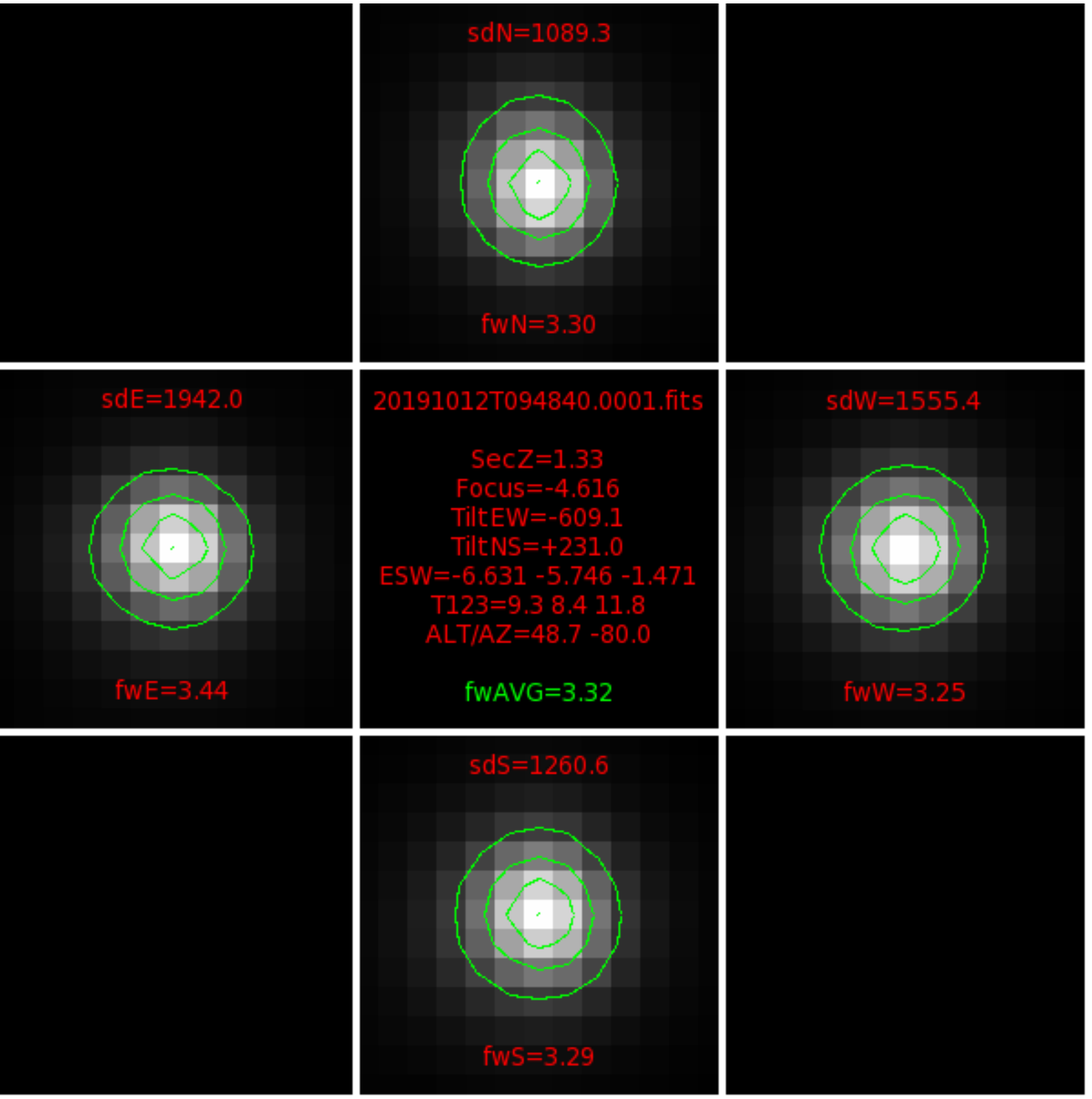
sdN=1089.3
fwN=3.30
sdE=1942.0
fwE=3.44
20191012T094840.0001.fits
SecZ=1.33
Focus=-4.616
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.631 -5.746 -1.471
T123=9.3 8.4 11.8
ALT/AZ=48.7 -80.0
fwAVG=3.32
sdW=1555.4
fwW=3.25
sdS=1260.6
fwS=3.29
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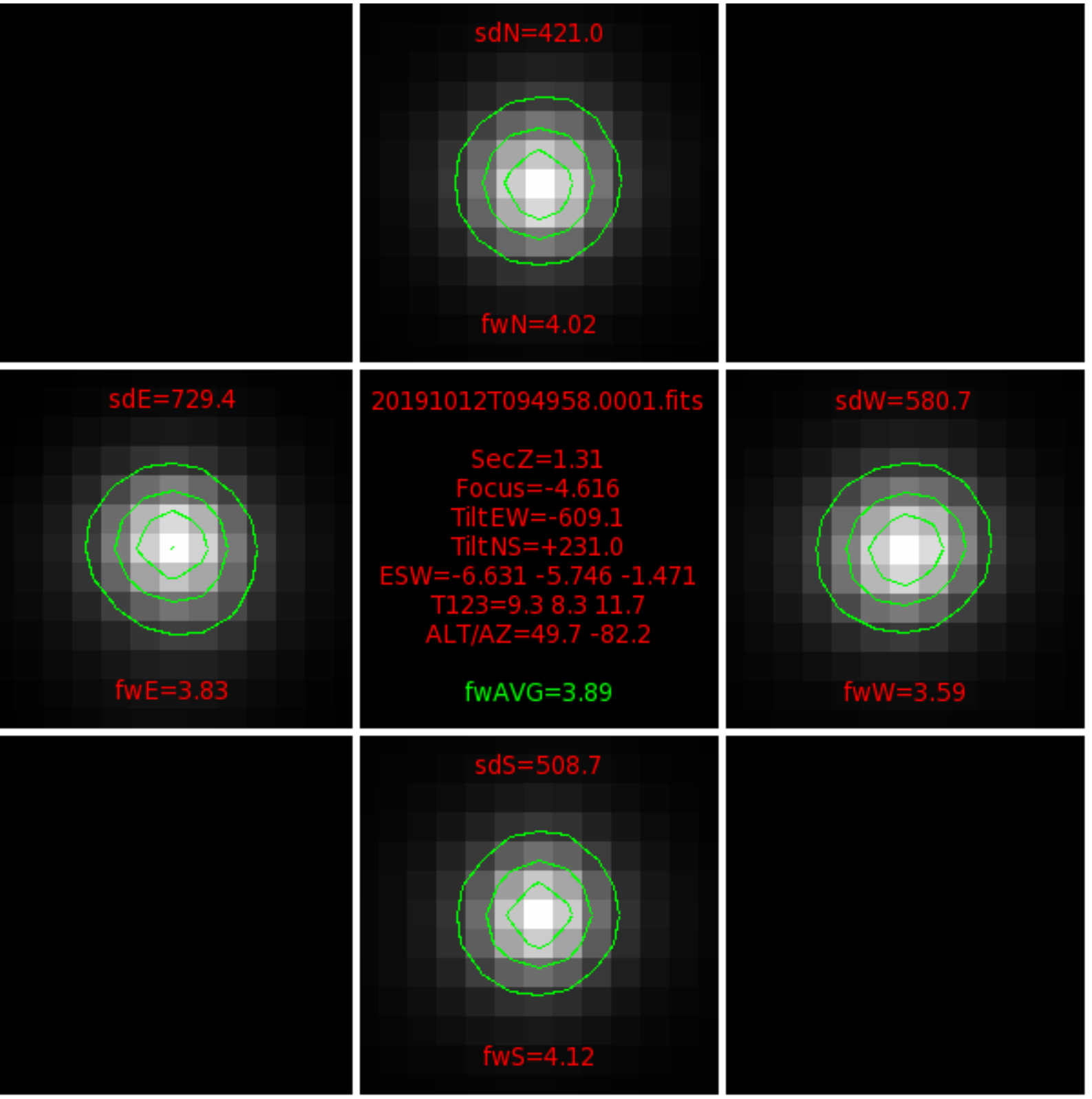
sdN=421.0
fwN=4.02
sdE=729.4
fwE=3.83
20191012T094958.0001.fits
SecZ=1.31
Focus=-4.616
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.631 -5.746 -1.471
T123=9.3 8.3 11.7
ALT/AZ=49.7 -82.2
fwAVG=3.89
sdW=580.7
fwW=3.59
sdS=508.7
fwS=4.12
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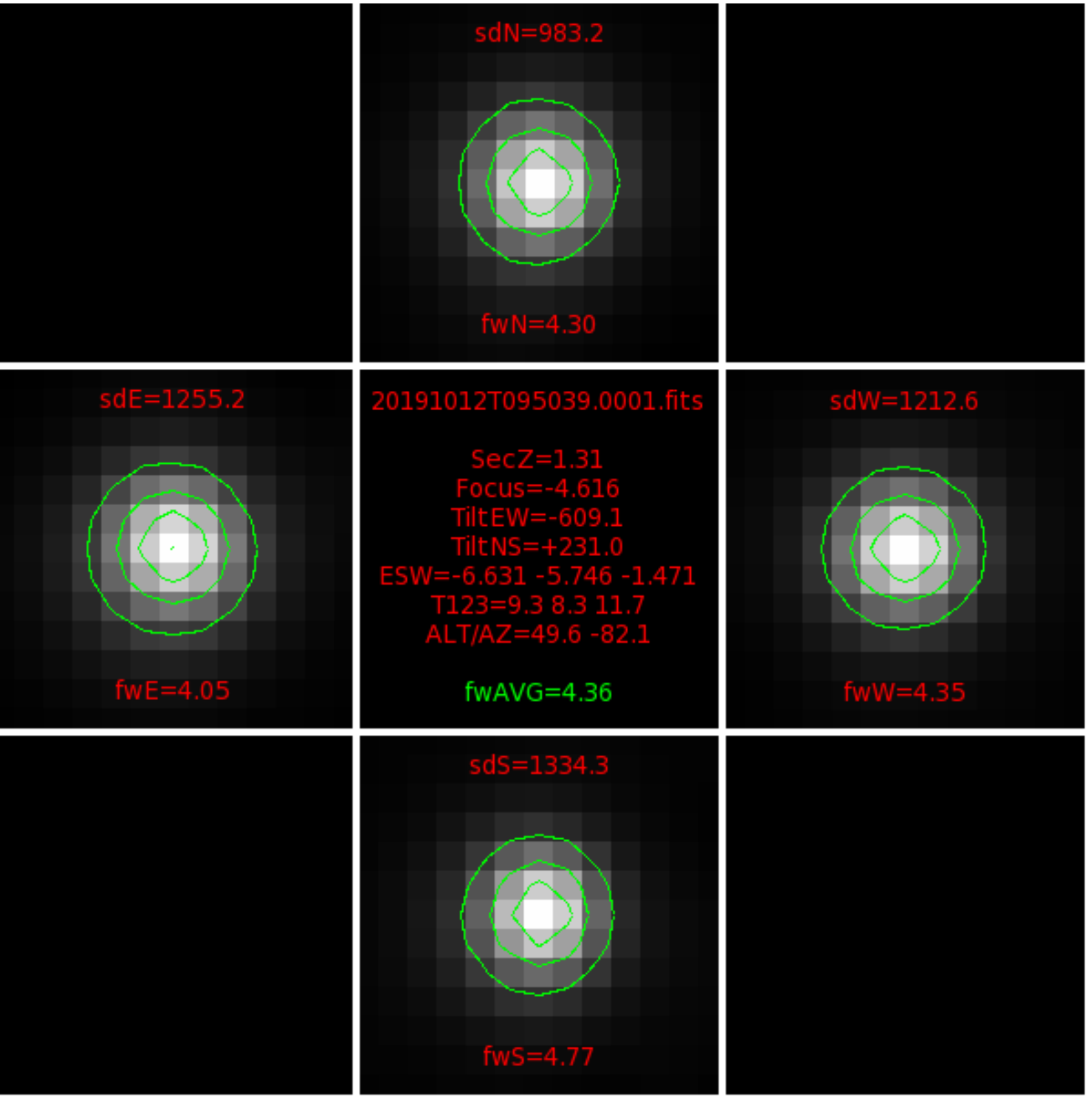
sdN=983.2
fwN=4.30
sdE=1255.2
fwE=4.05
20191012T095039.0001.fits
SecZ=1.31
Focus=-4.616
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.631 -5.746 -1.471
T123=9.3 8.3 11.7
ALT/AZ=49.6 -82.1
fwAVG=4.36
sdW=1212.6
fwW=4.35
sdS=1334.3
fwS=4.77
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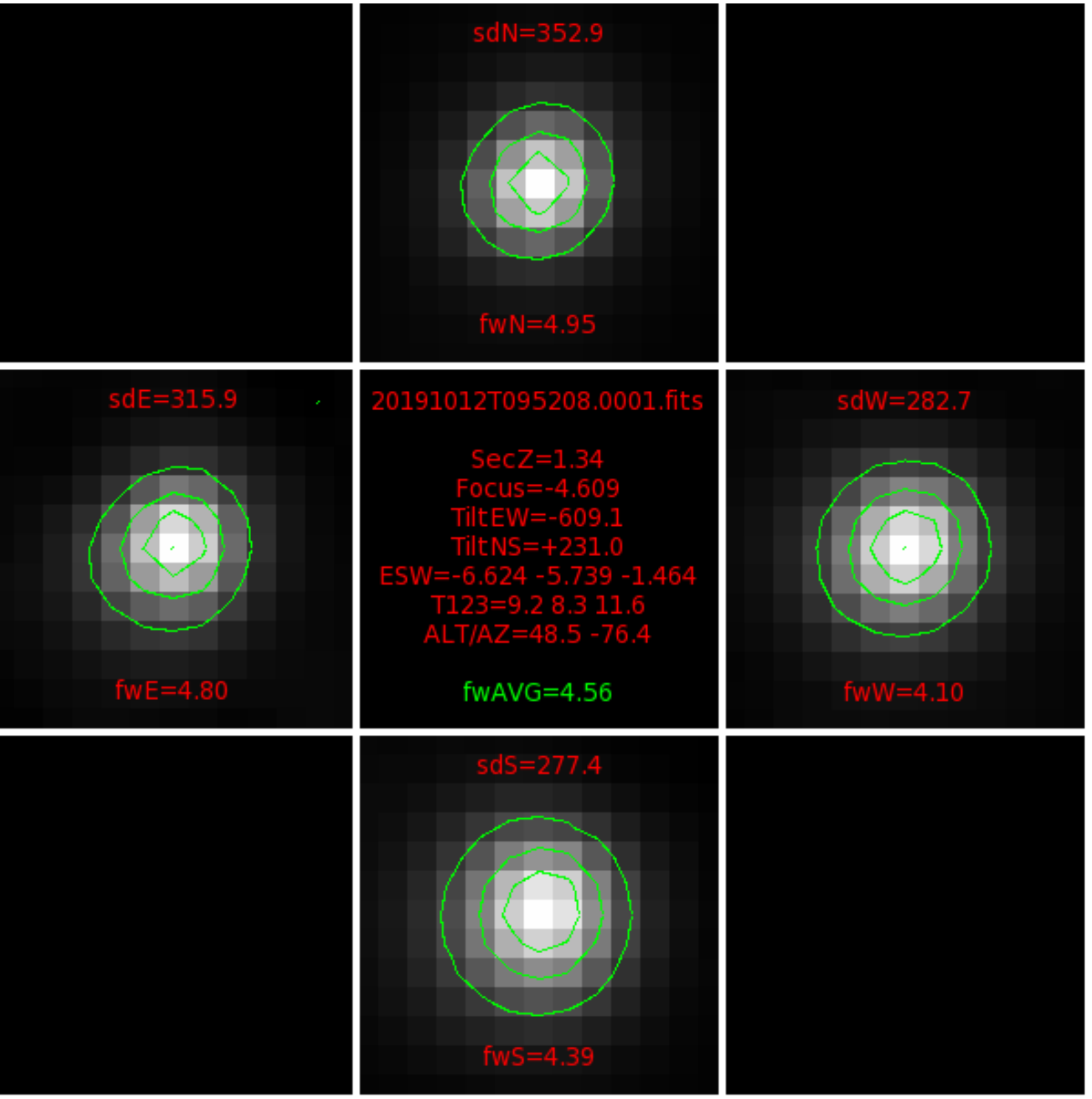
sdN=352.9
fwN=4.95
sdE=315.9
fwE=4.80
20191012T095208.0001.fits
SecZ=1.34
Focus=-4.609
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.624 -5.739 -1.464
T123=9.2 8.3 11.6
ALT/AZ=48.5 -76.4
fwAVG=4.56
sdW=282.7
fwW=4.10
sdS=277.4
fwS=4.39
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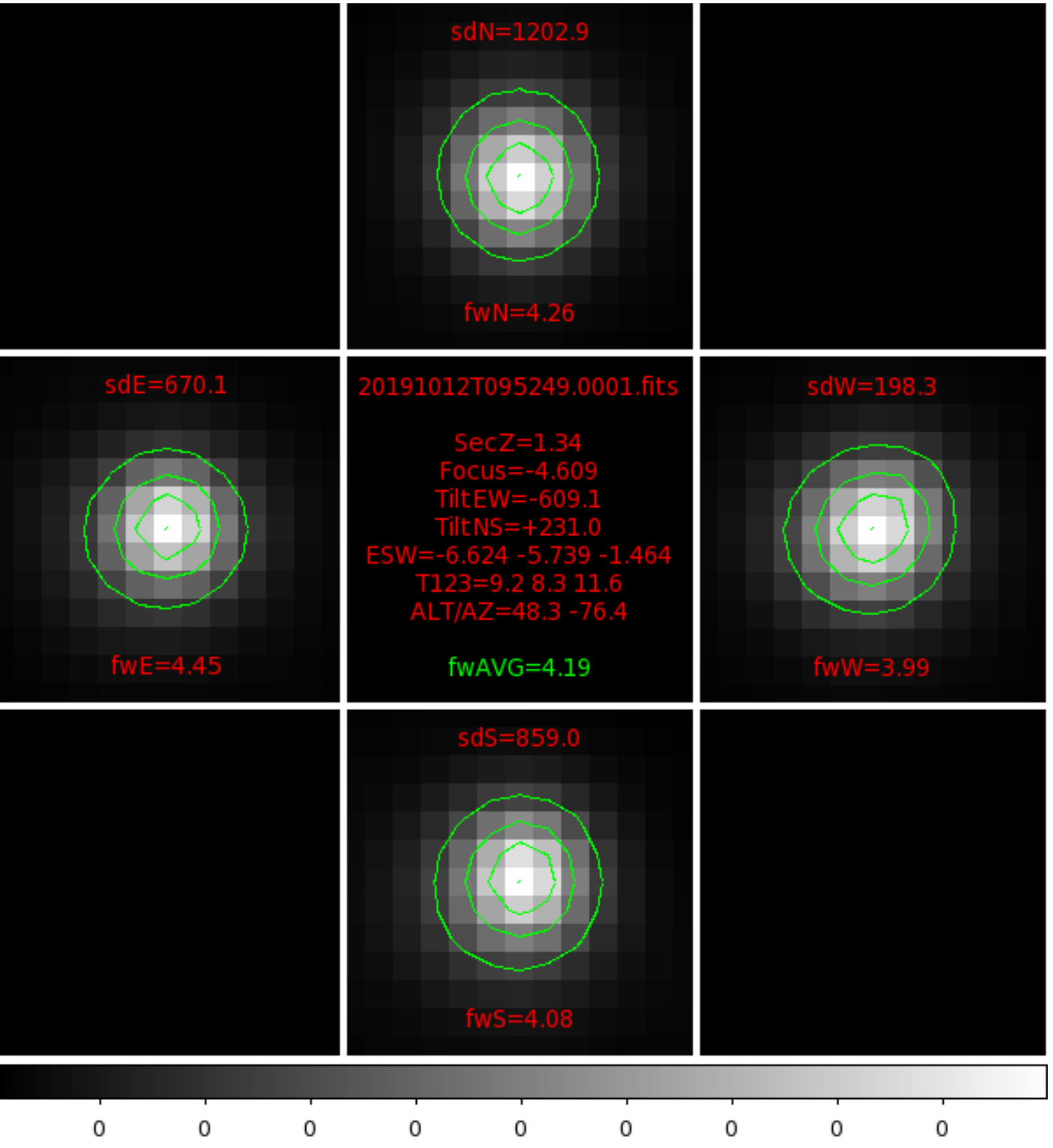
sdN=1202.9
fwN=4.26
sdE=670.1
fwE=4.45
20191012T095249.0001.fits
SecZ=1.34
Focus=-4.609
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.624 -5.739 -1.464
T123=9.2 8.3 11.6
ALT/AZ=48.3 -76.4
fwAVG=4.19
sdW=198.3
fwW=3.99
sdS=859.0
fwS=4.08
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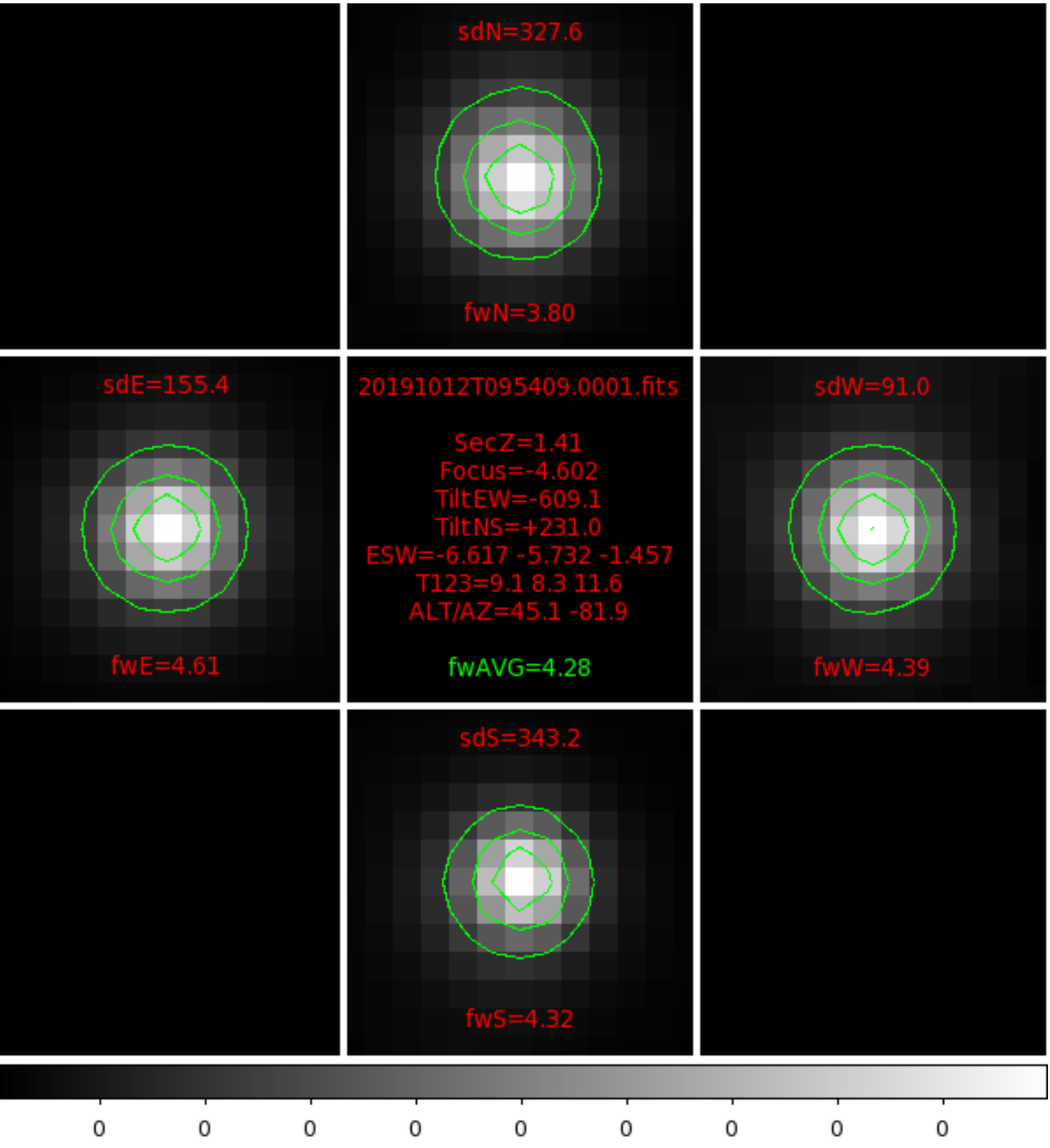
sdN=327.6
fwN=3.80
sdE=155.4
fwE=4.61
20191012T095409.0001.fits
SecZ=1.41
Focus=-4.602
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.617 -5.732 -1.457
T123=9.1 8.3 11.6
ALT/AZ=45.1 -81.9
fwAVG=4.28
sdW=91.0
fwW=4.39
sdS=343.2
fwS=4.32
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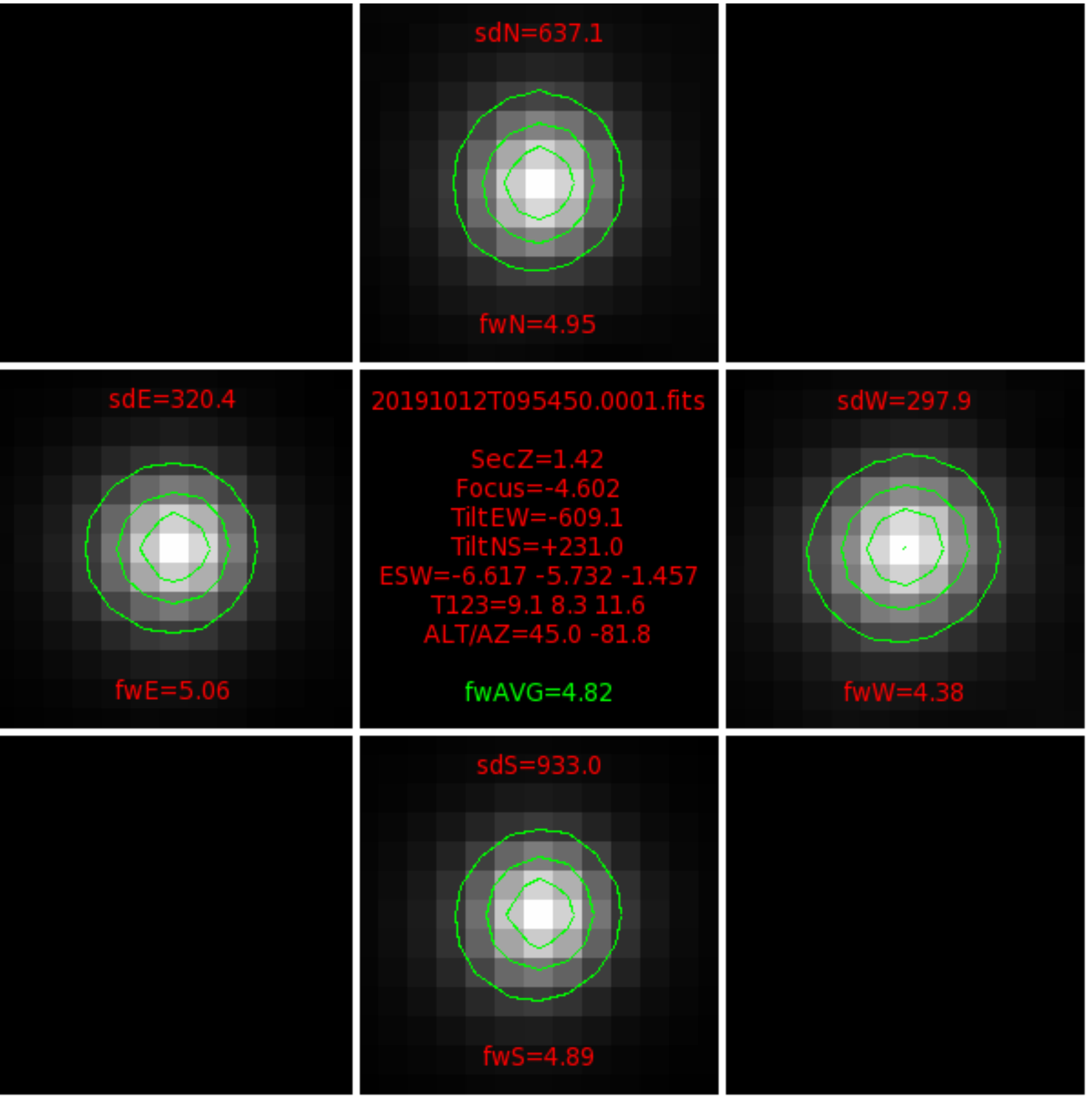
sdN=637.1
fwN=4.95
sdE=320.4
fwE=5.06
20191012T095450.0001.fits
SecZ=1.42
Focus=-4.602
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.617 -5.732 -1.457
T123=9.1 8.3 11.6
ALT/AZ=45.0 -81.8
fwAVG=4.82
sdW=297.9
fwW=4.38
sdS=933.0
fwS=4.89
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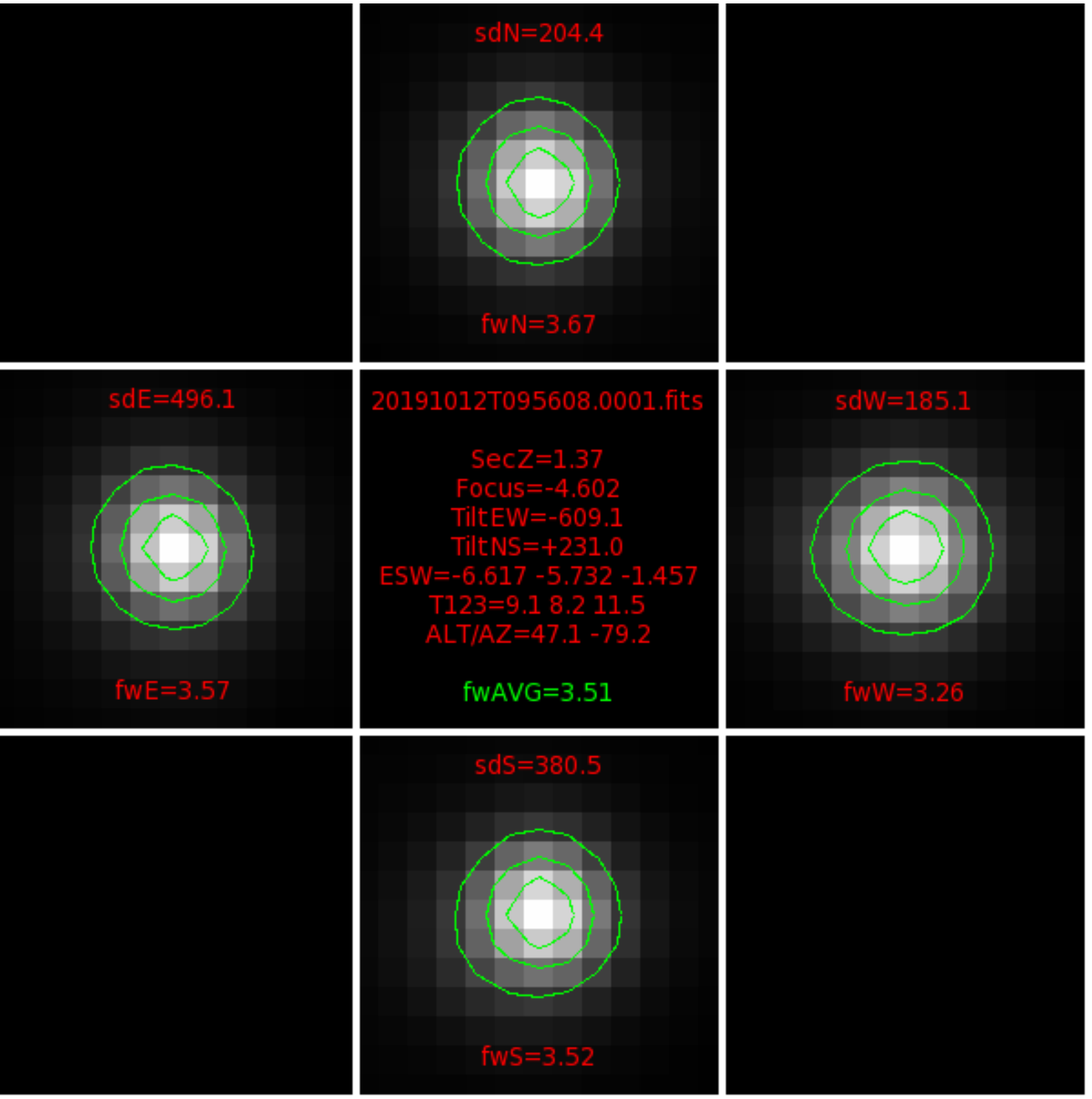
sdN=204.4
fwN=3.67
sdE=496.1
fwE=3.57
20191012T095608.0001.fits
SecZ=1.37
Focus=-4.602
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.617 -5.732 -1.457
T123=9.1 8.2 11.5
ALT/AZ=47.1 -79.2
fwAVG=3.51
sdW=185.1
fwW=3.26
sdS=380.5
fwS=3.52
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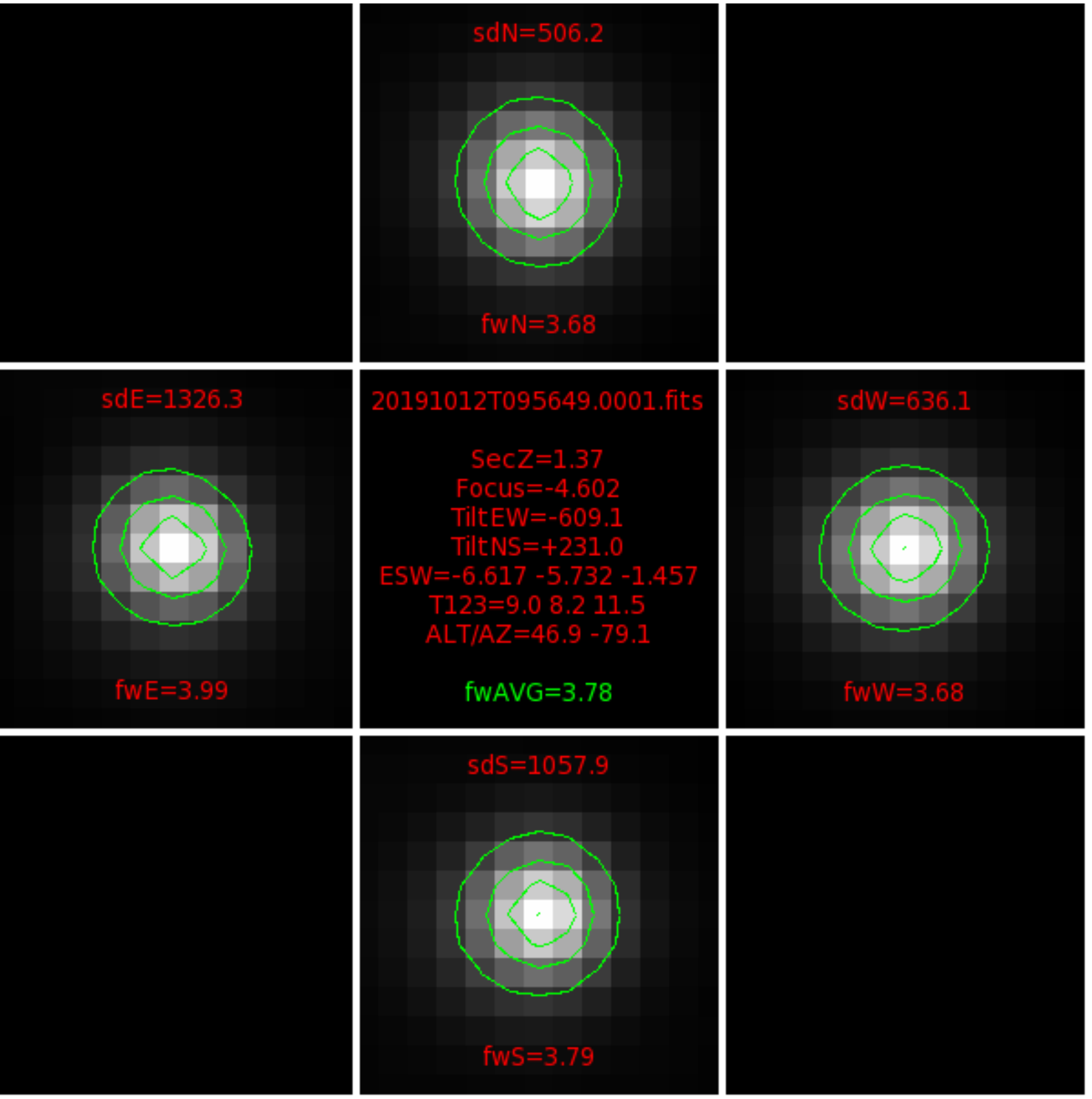
sdN=506.2
fwN=3.68
sdE=1326.3
fwE=3.99
20191012T095649.0001.fits
SecZ=1.37
Focus=-4.602
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.617 -5.732 -1.457
T123=9.0 8.2 11.5
ALT/AZ=46.9 -79.1
fwAVG=3.78
sdW=636.1
fwW=3.68
sdS=1057.9
fwS=3.79
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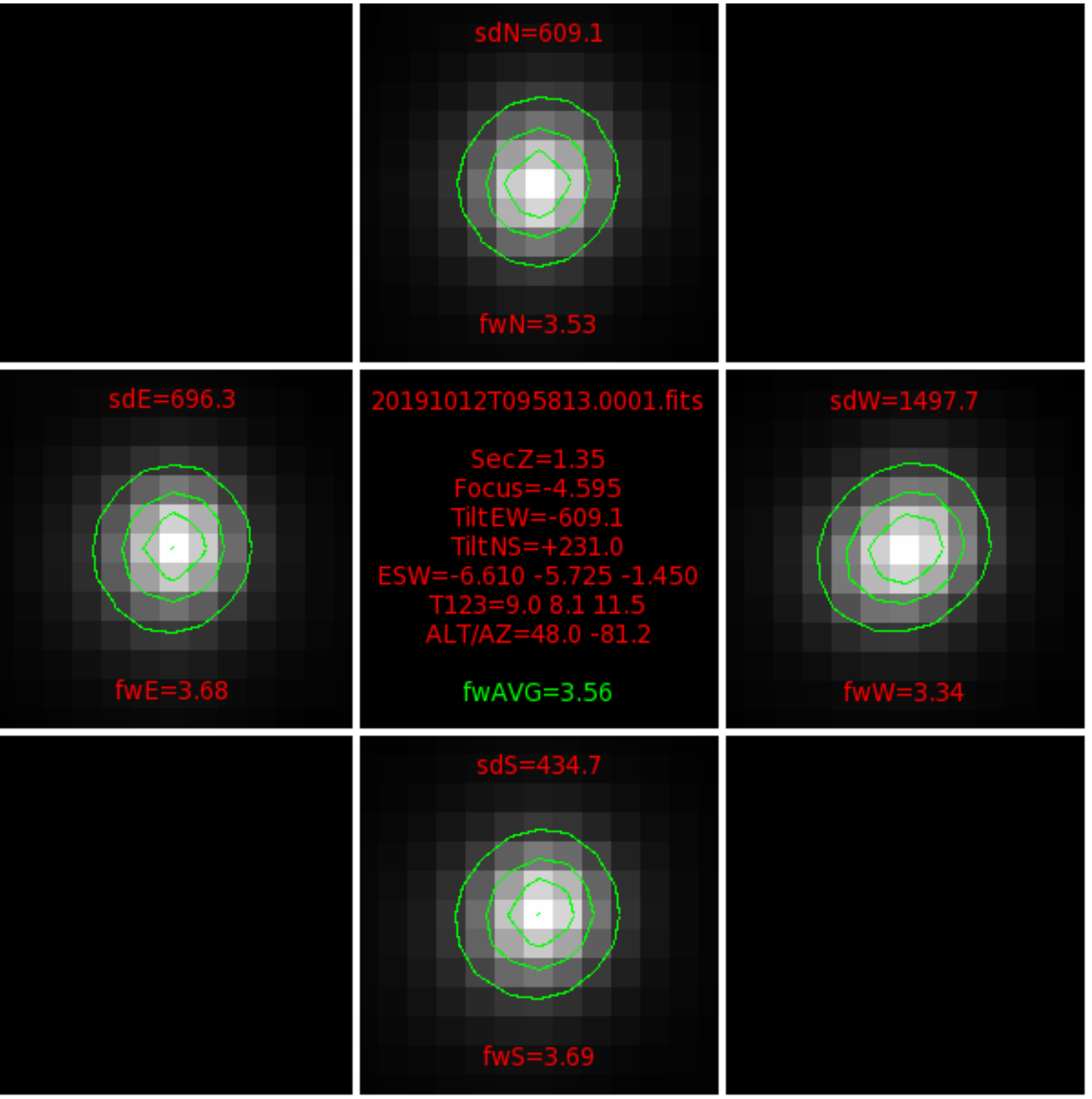
sdN=609.1
fwN=3.53
sdE=696.3
fwE=3.68
20191012T095813.0001.fits
SecZ=1.35
Focus=-4.595
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.610 -5.725 -1.450
T123=9.0 8.1 11.5
ALT/AZ=48.0 -81.2
fwAVG=3.56
sdW=1497.7
fwW=3.34
sdS=434.7
fwS=3.69
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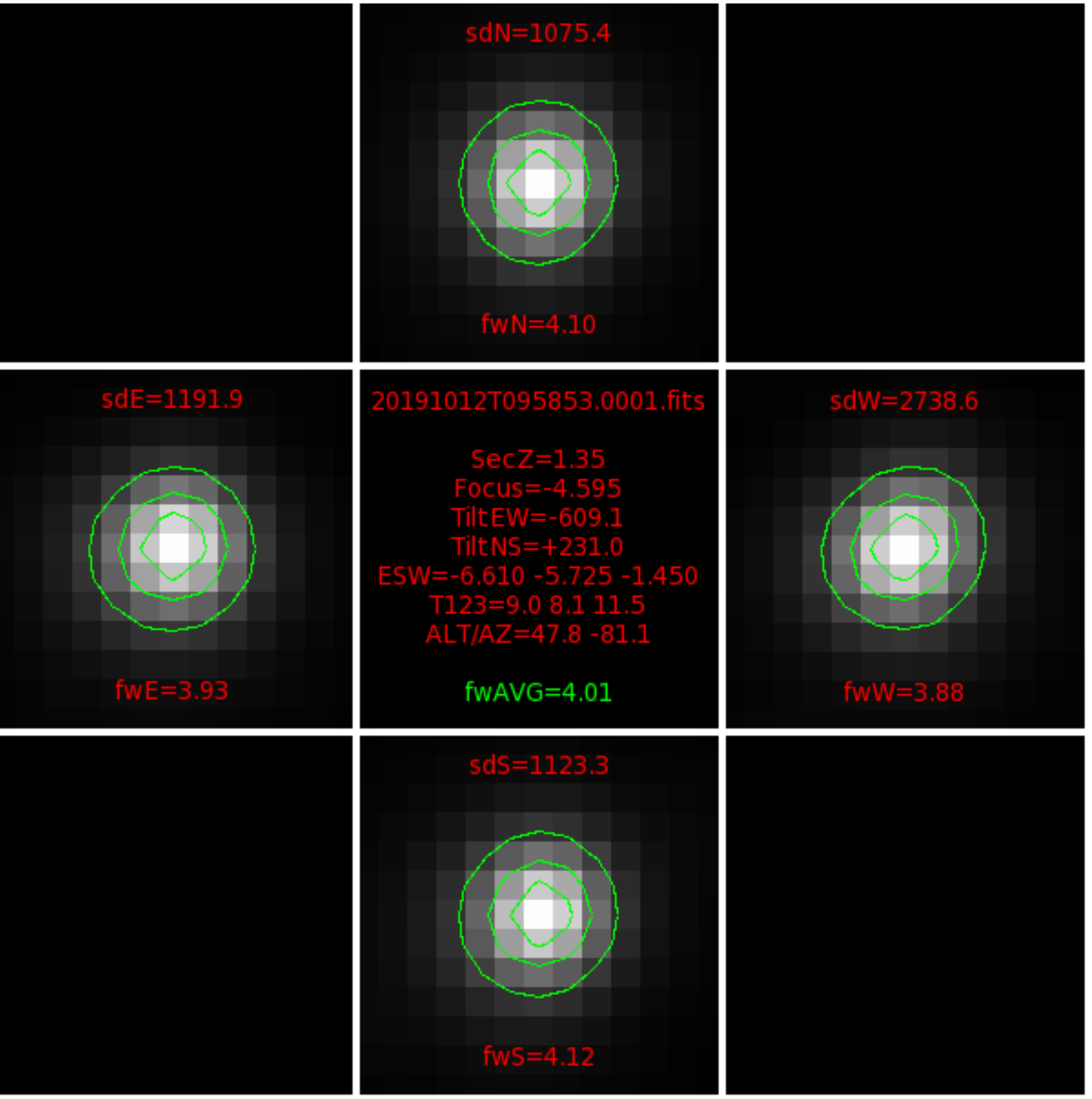
sdN=1075.4
fwN=4.10
sdE=1191.9
fwE=3.93
20191012T095853.0001.fits
SecZ=1.35
Focus=-4.595
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.610 -5.725 -1.450
T123=9.0 8.1 11.5
ALT/AZ=47.8 -81.1
fwAVG=4.01
sdW=2738.6
fwW=3.88
sdS=1123.3
fwS=4.12
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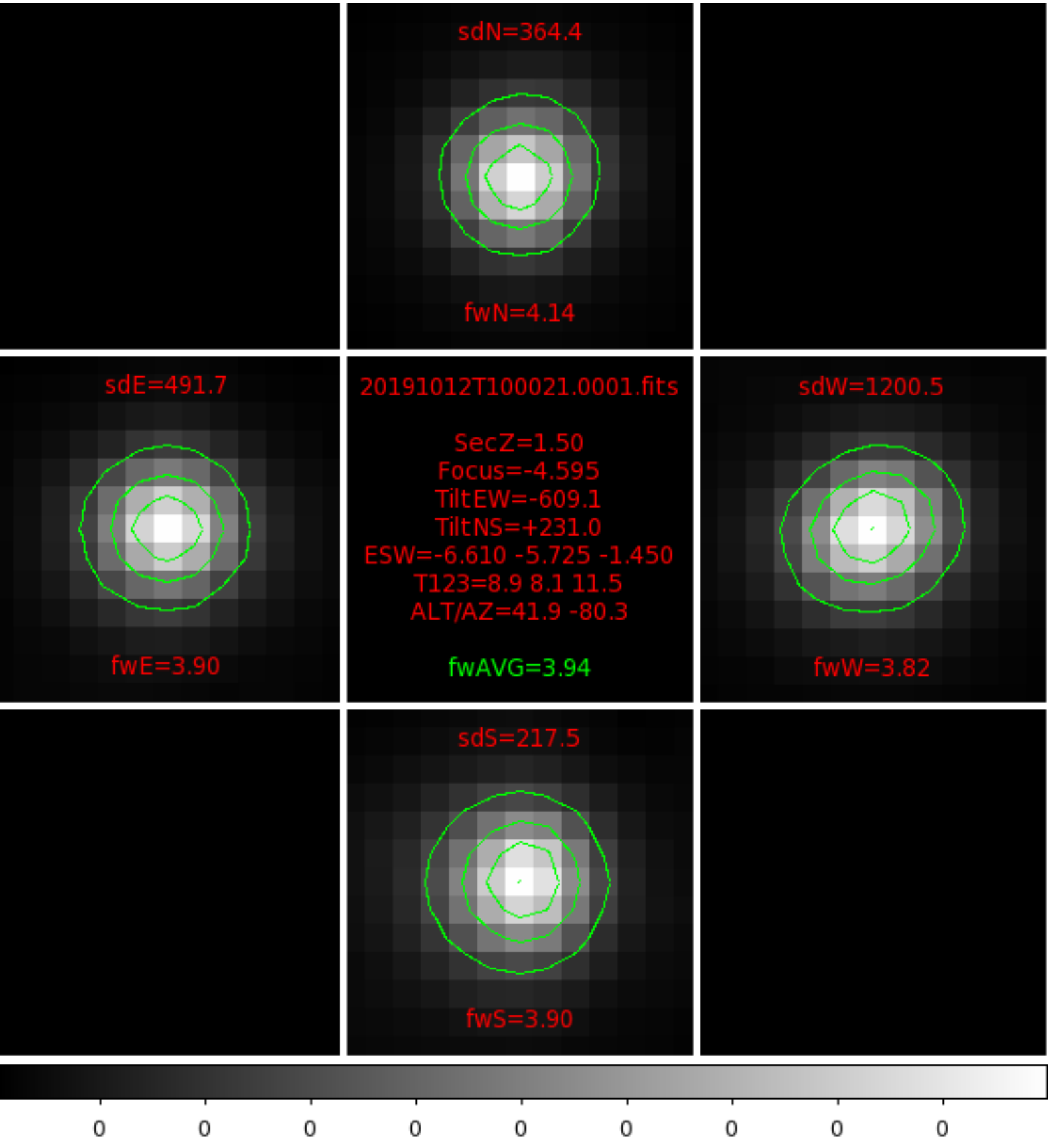
sdN=364.4
fwN=4.14
sdE=491.7
fwE=3.90
20191012T100021.0001.fits
SecZ=1.50
Focus=-4.595
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.610 -5.725 -1.450
T123=8.9 8.1 11.5
ALT/AZ=41.9 -80.3
fwAVG=3.94
sdW=1200.5
fwW=3.82
sdS=217.5
fwS=3.90
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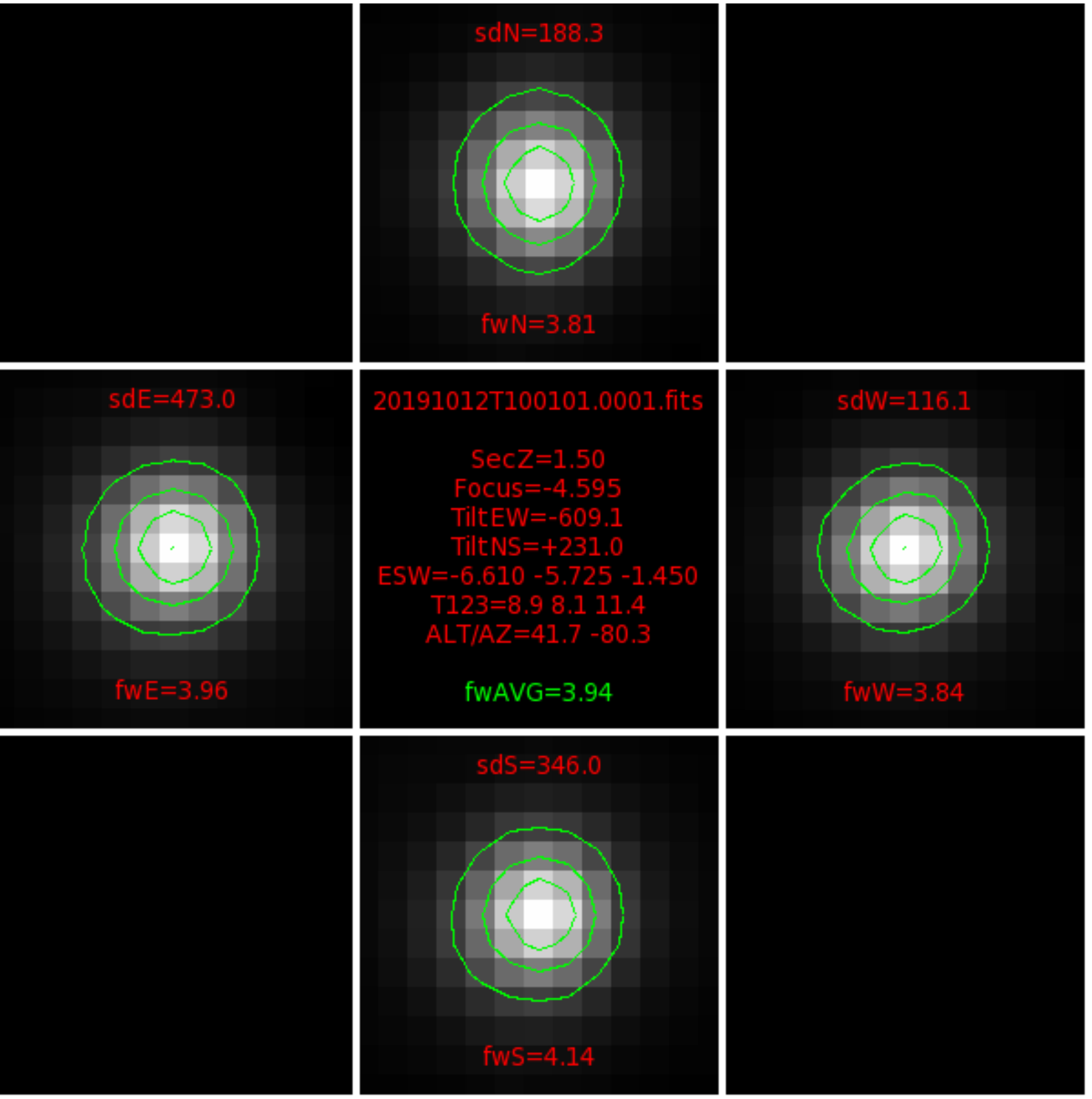
sdN=188.3
fwN=3.81
sdE=473.0
fwE=3.96
20191012T100101.0001.fits
SecZ=1.50
Focus=-4.595
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.610 -5.725 -1.450
T123=8.9 8.1 11.4
ALT/AZ=41.7 -80.3
fwAVG=3.94
sdW=116.1
fwW=3.84
sdS=346.0
fwS=4.14
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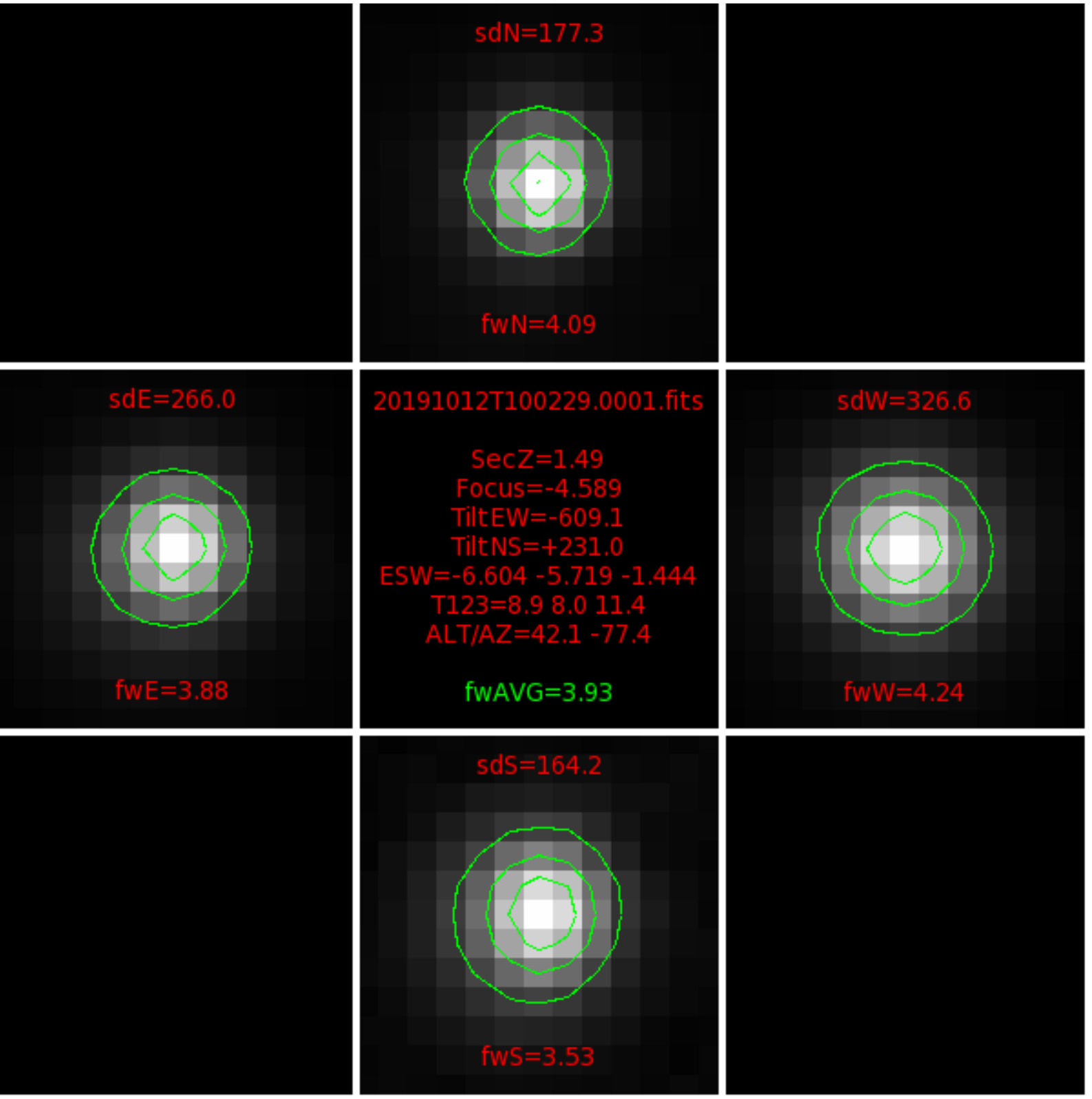
sdN=177.3
fwN=4.09
sdE=266.0
fwE=3.88
20191012T100229.0001.fits
SecZ=1.49
Focus=-4.589
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.604 -5.719 -1.444
T123=8.9 8.0 11.4
ALT/AZ=42.1 -77.4
fwAVG=3.93
sdW=326.6
fwW=4.24
sdS=164.2
fwS=3.53
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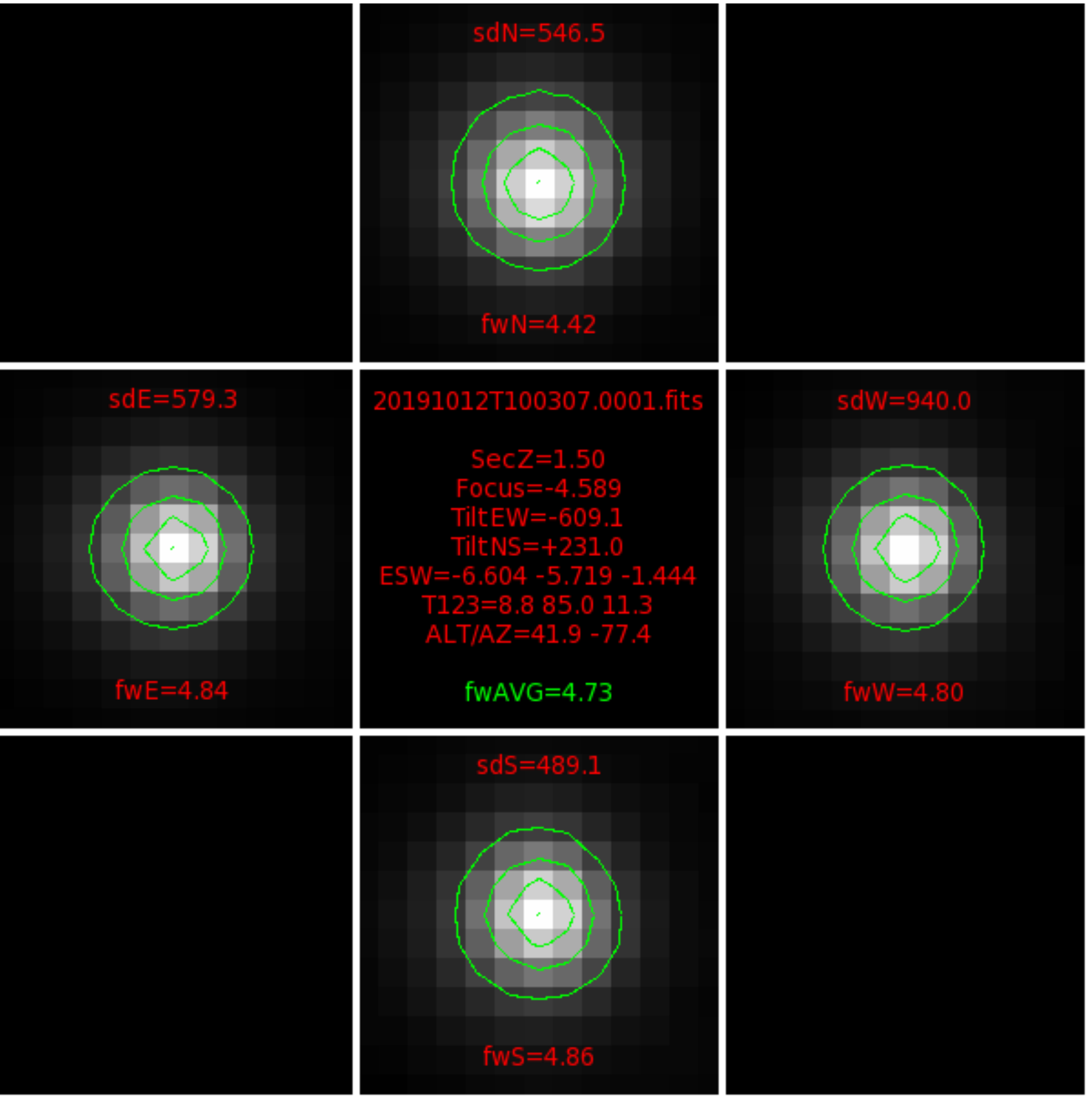
sdN=546.5
fwN=4.42
sdE=579.3
fwE=4.84
20191012T100307.0001.fits
SecZ=1.50
Focus=-4.589
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.604 -5.719 -1.444
T123=8.8 85.0 11.3
ALT/AZ=41.9 -77.4
fwAVG=4.73
sdW=940.0
fwW=4.80
sdS=489.1
fwS=4.86
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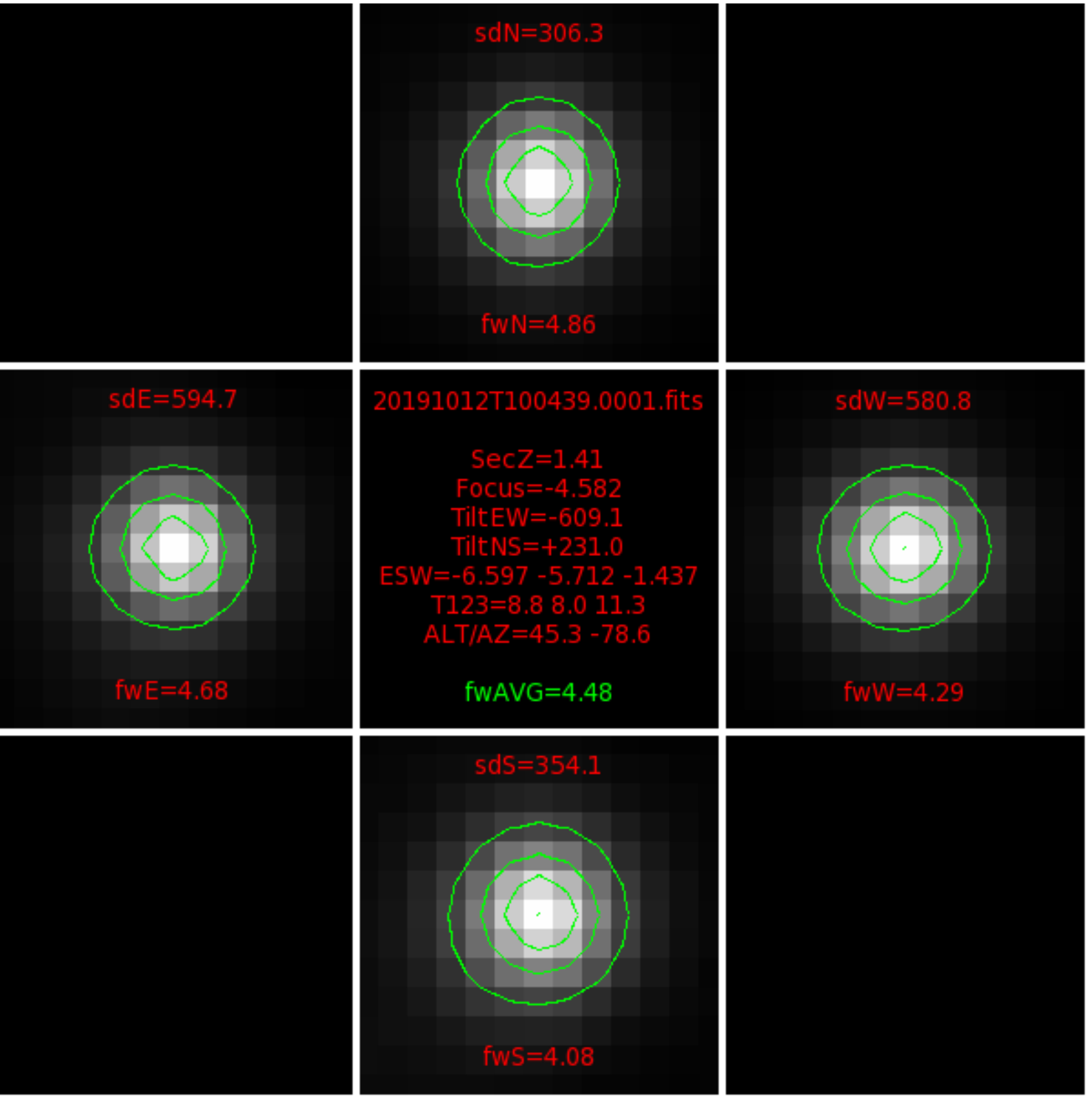
sdN=306.3
fwN=4.86
sdE=594.7
fwE=4.68
20191012T100439.0001.fits
SecZ=1.41
Focus=-4.582
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.597 -5.712 -1.437
T123=8.8 8.0 11.3
ALT/AZ=45.3 -78.6
fwAVG=4.48
sdW=580.8
fwW=4.29
sdS=354.1
fwS=4.08
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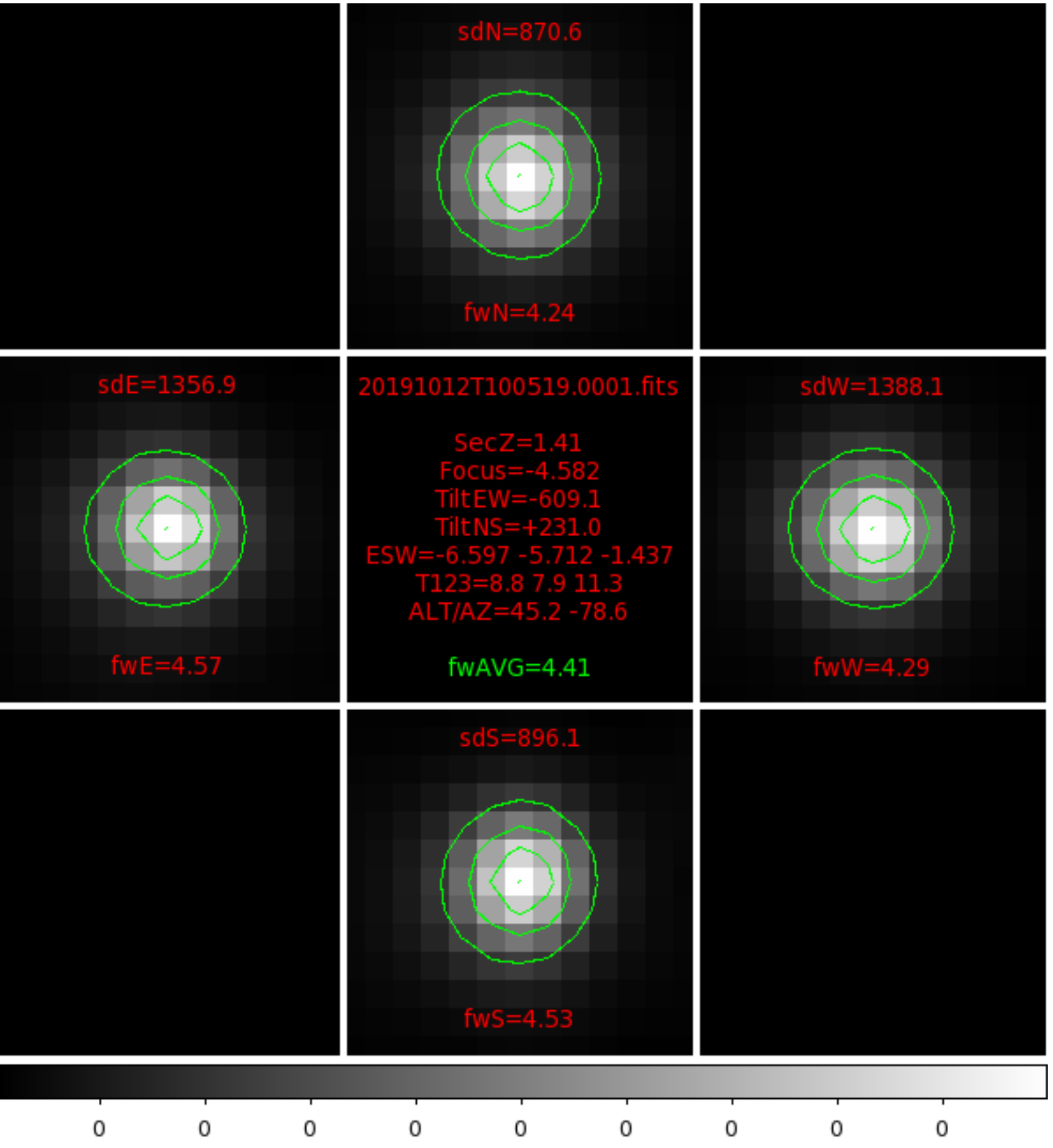
sdN=870.6
fwN=4.24
sdE=1356.9
fwE=4.57
20191012T100519.0001.fits
SecZ=1.41
Focus=-4.582
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.597 -5.712 -1.437
T123=8.8 7.9 11.3
ALT/AZ=45.2 -78.6
fwAVG=4.41
sdW=1388.1
fwW=4.29
sdS=896.1
fwS=4.53
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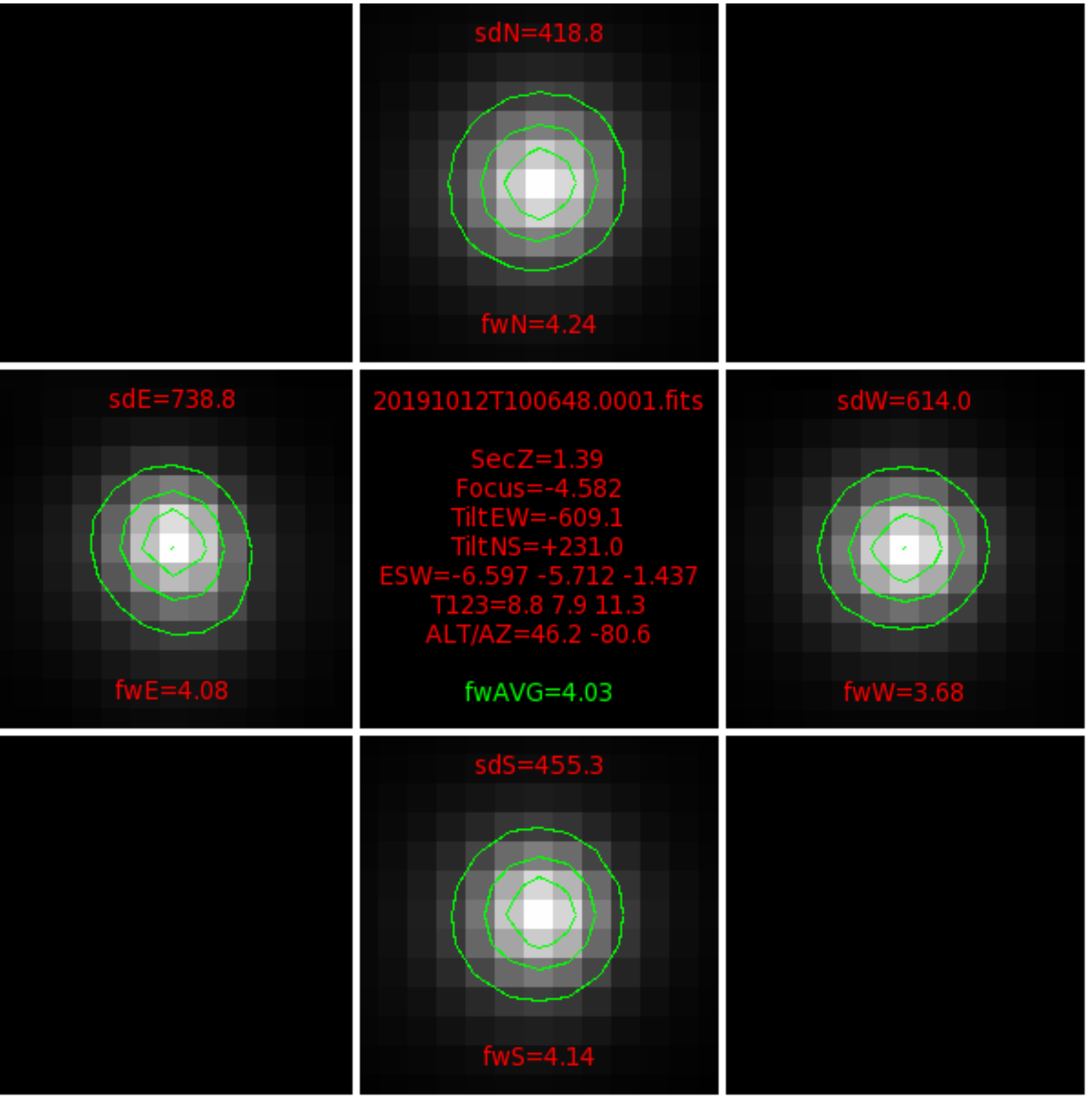
sdN=418.8
fwN=4.24
sdE=738.8
fwE=4.08
20191012T100648.0001.fits
SecZ=1.39
Focus=-4.582
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.597 -5.712 -1.437
T123=8.8 7.9 11.3
ALT/AZ=46.2 -80.6
fwAVG=4.03
sdW=614.0
fwW=3.68
sdS=455.3
fwS=4.14
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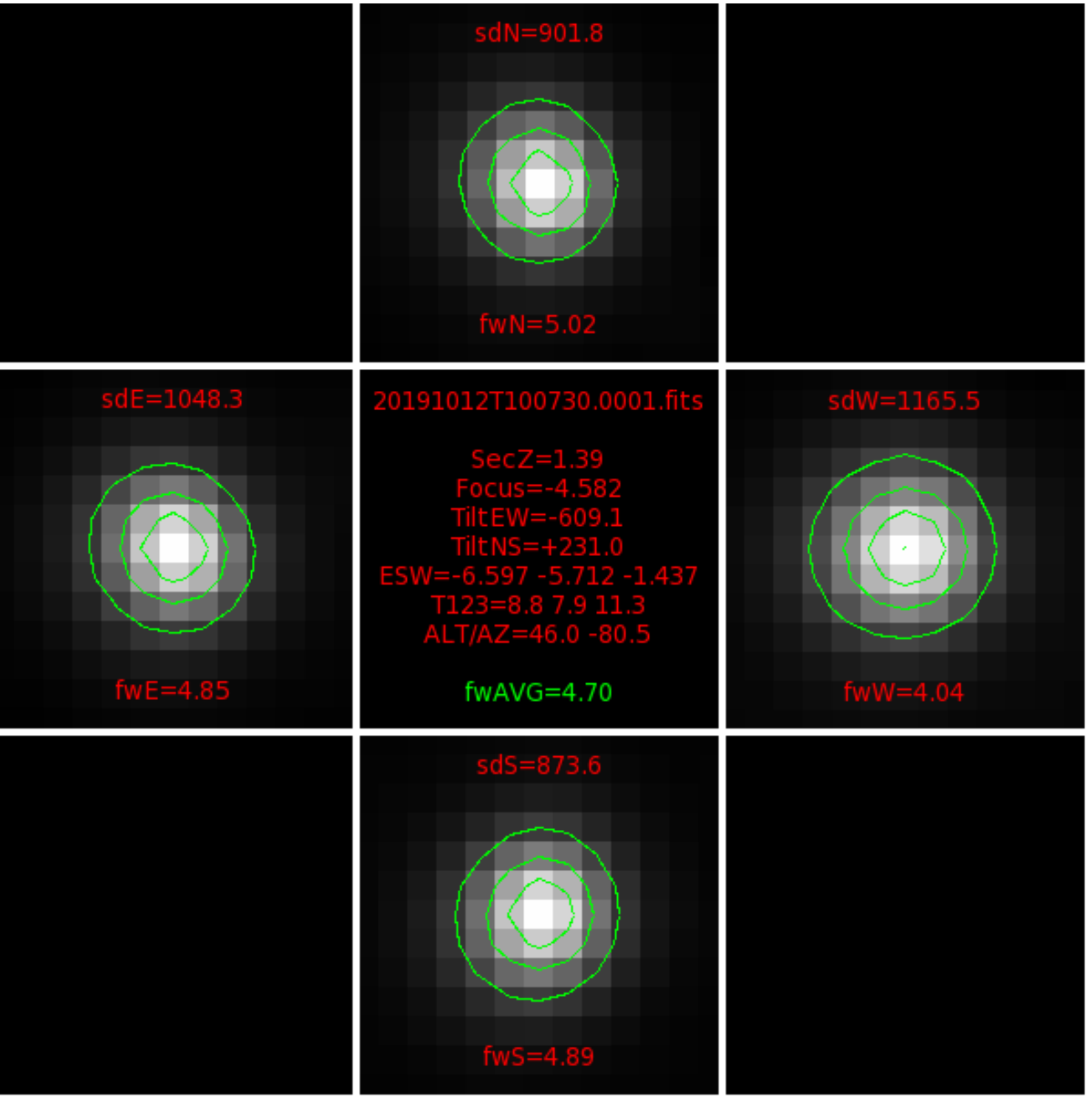
sdN=901.8
fwN=5.02
sdE=1048.3
fwE=4.85
20191012T100730.0001.fits
SecZ=1.39
Focus=-4.582
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.597 -5.712 -1.437
T123=8.8 7.9 11.3
ALT/AZ=46.0 -80.5
fwAVG=4.70
sdW=1165.5
fwW=4.04
sdS=873.6
fwS=4.89
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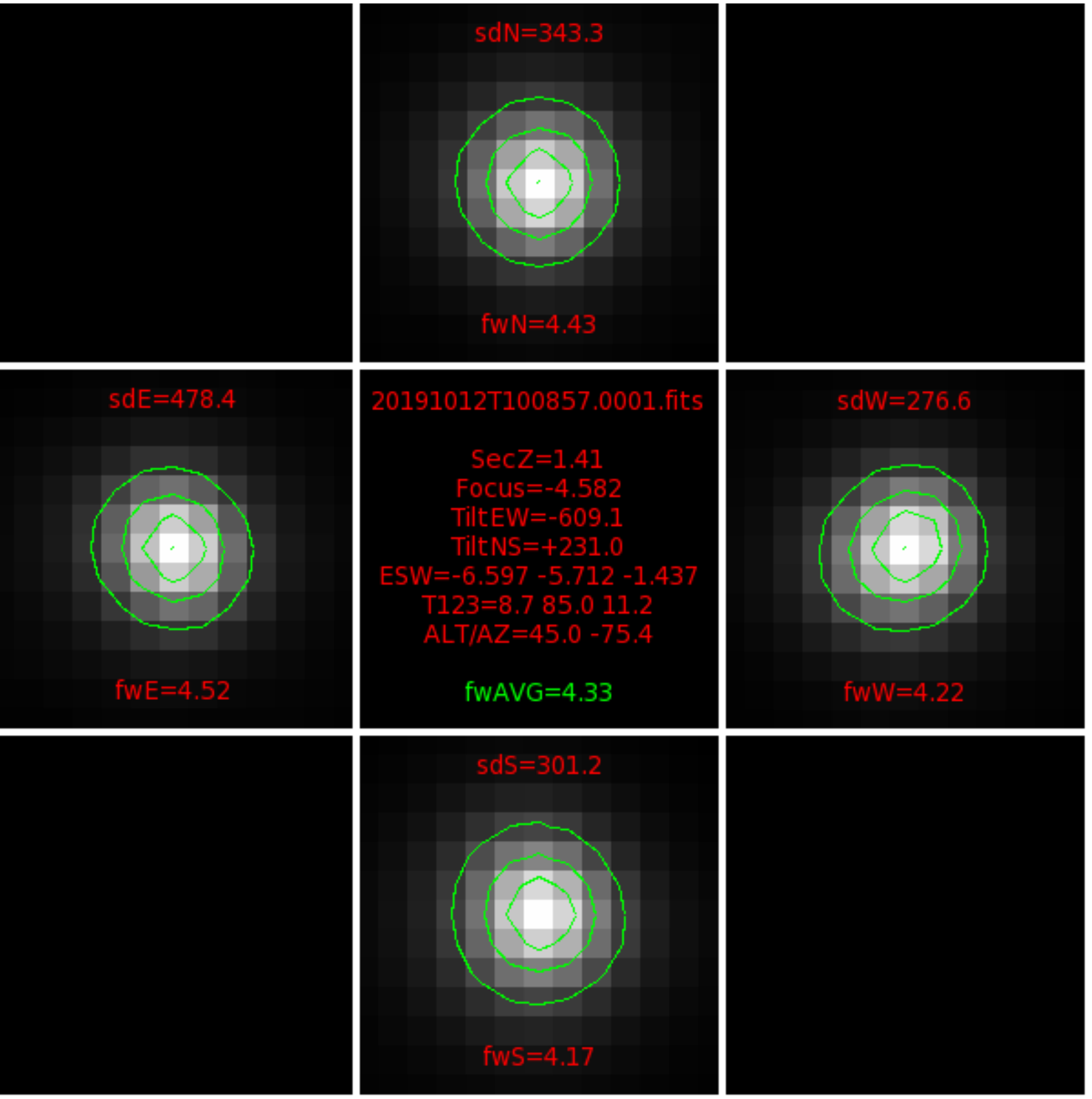
sdN=343.3
fwN=4.43
sdE=478.4
fwE=4.52
20191012T100857.0001.fits
SecZ=1.41
Focus=-4.582
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.597 -5.712 -1.437
T123=8.7 85.0 11.2
ALT/AZ=45.0 -75.4
fwAVG=4.33
sdW=276.6
fwW=4.22
sdS=301.2
fwS=4.17
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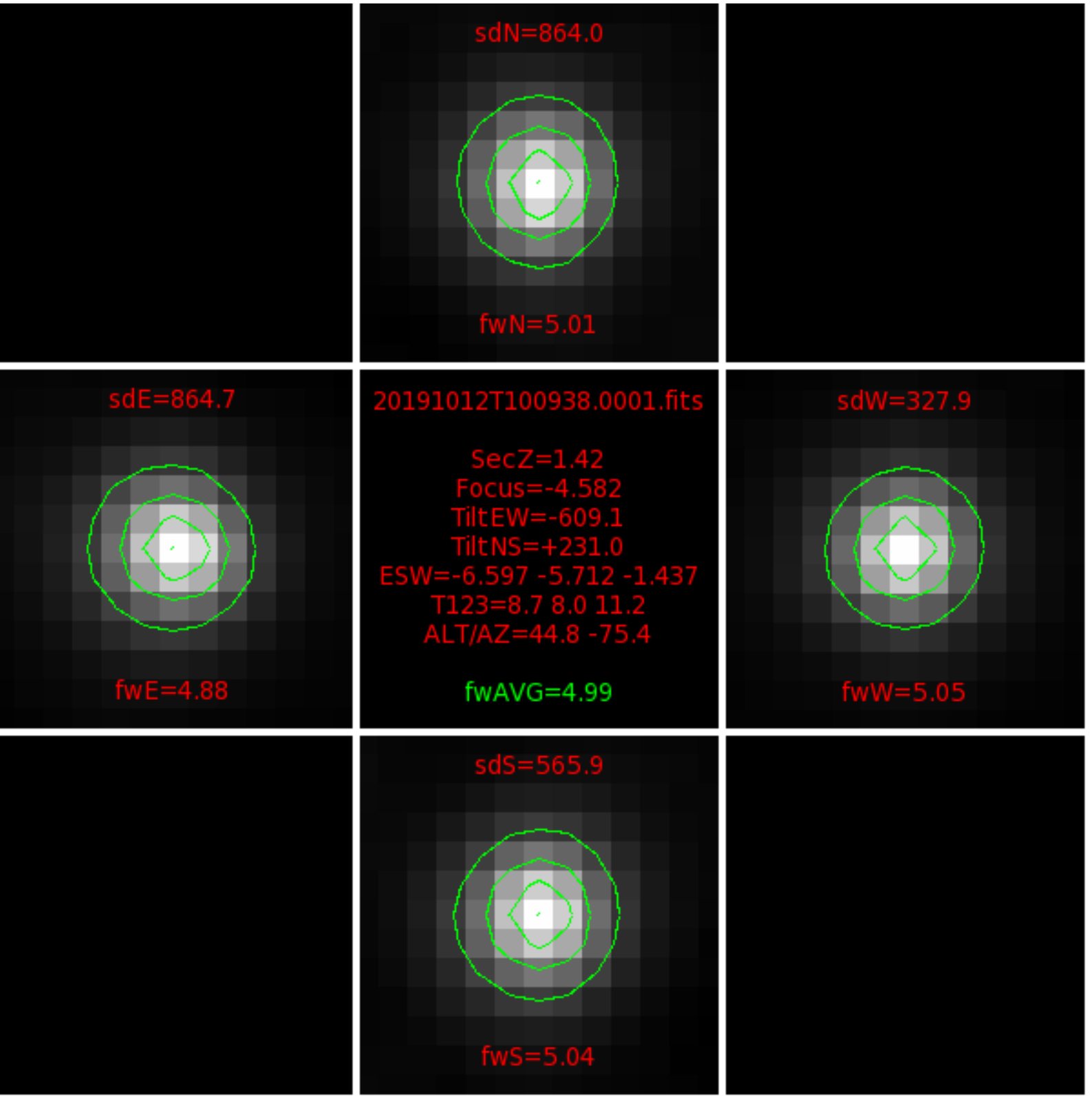
sdN=864.0
fwN=5.01
sdE=864.7
fwE=4.88
20191012T100938.0001.fits
SecZ=1.42
Focus=-4.582
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.597 -5.712 -1.437
T123=8.7 8.0 11.2
ALT/AZ=44.8 -75.4
fwAVG=4.99
sdW=327.9
fwW=5.05
sdS=565.9
fwS=5.04
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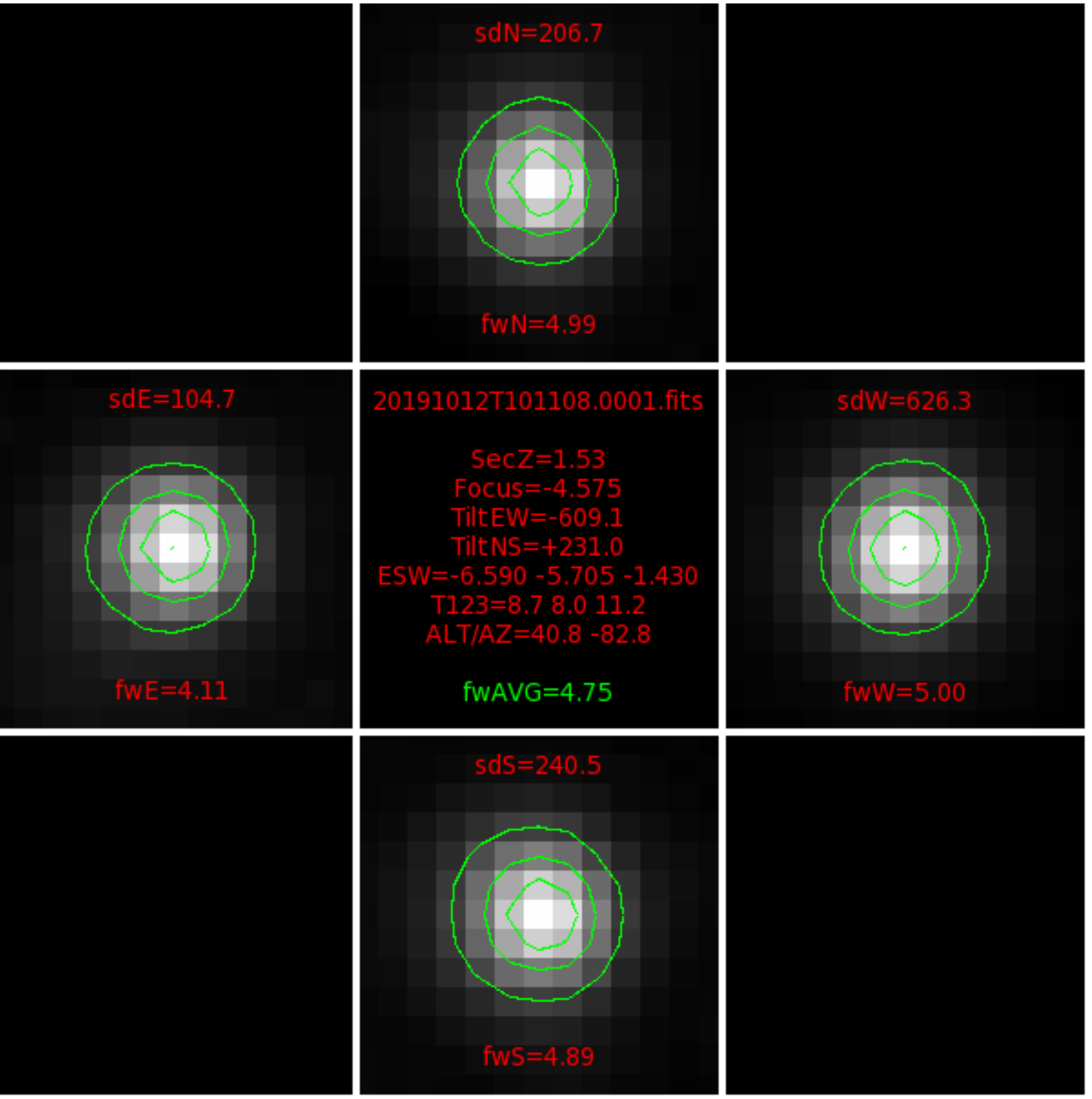
sdN=206.7
fwN=4.99
sdE=104.7
fwE=4.11
20191012T101108.0001.fits
SecZ=1.53
Focus=-4.575
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.590 -5.705 -1.430
T123=8.7 8.0 11.2
ALT/AZ=40.8 -82.8
fwAVG=4.75
sdW=626.3
fwW=5.00
sdS=240.5
fwS=4.89
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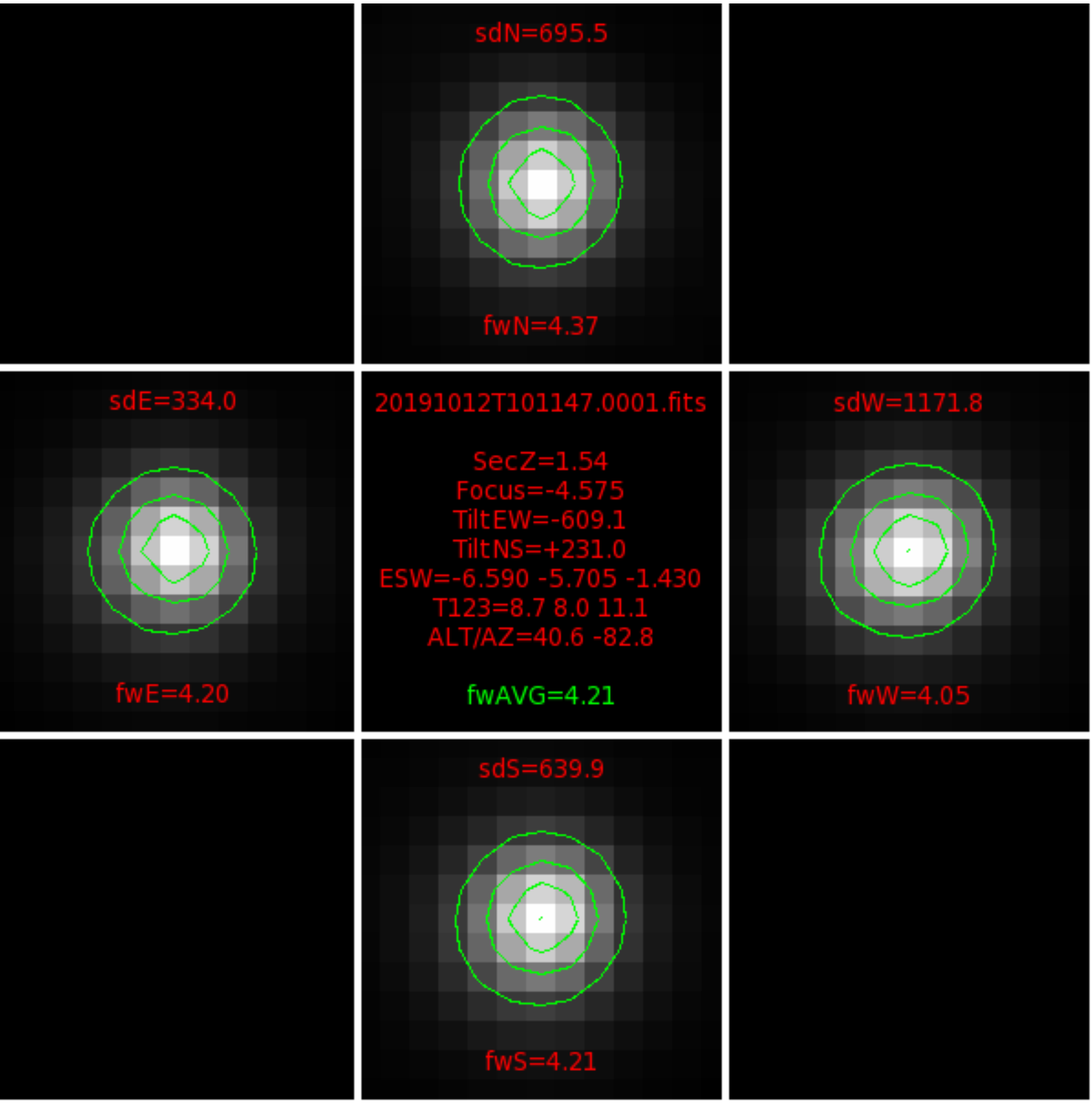
sdN=695.5
fwN=4.37
sdE=334.0
fwE=4.20
20191012T101147.0001.fits
SecZ=1.54
Focus=-4.575
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.590 -5.705 -1.430
T123=8.7 8.0 11.1
ALT/AZ=40.6 -82.8
fwAVG=4.21
sdW=1171.8
fwW=4.05
sdS=639.9
fwS=4.21
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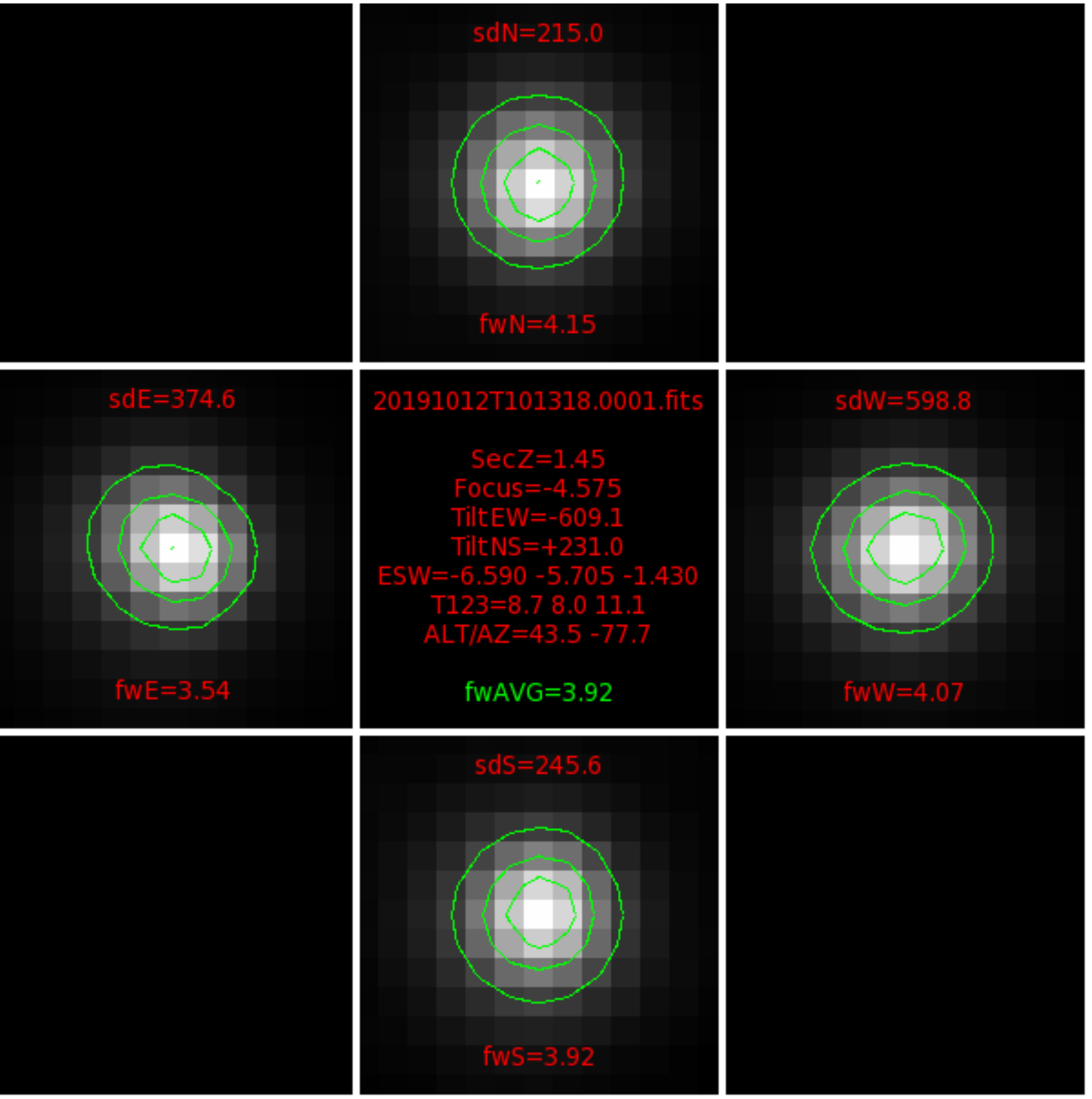
sdN=215.0
fwN=4.15
sdE=374.6
fwE=3.54
20191012T101318.0001.fits
SecZ=1.45
Focus=-4.575
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.590 -5.705 -1.430
T123=8.7 8.0 11.1
ALT/AZ=43.5 -77.7
fwAVG=3.92
sdW=598.8
fwW=4.07
sdS=245.6
fwS=3.92
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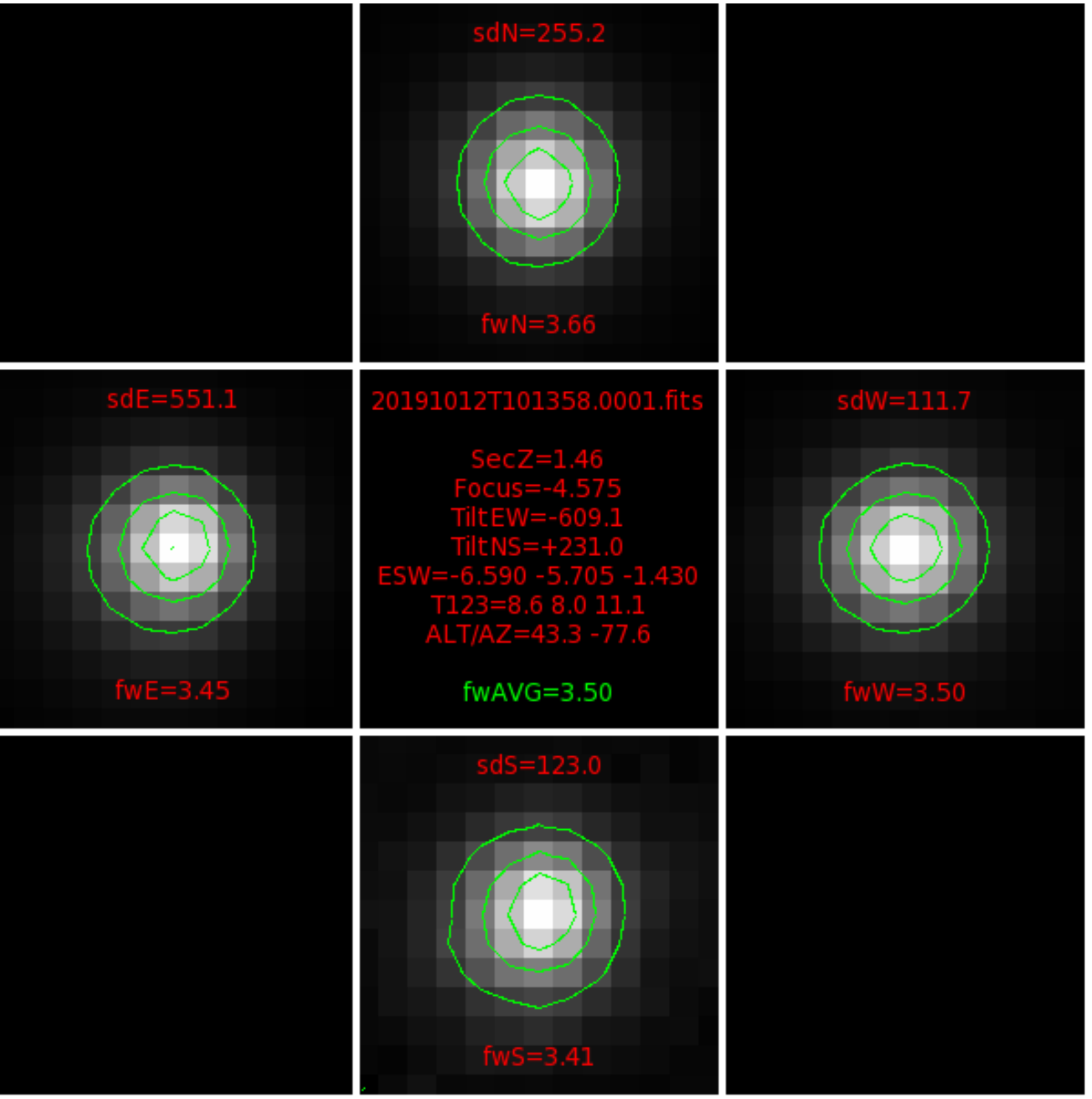
sdN=255.2
fwN=3.66
sdE=551.1
fwE=3.45
20191012T101358.0001.fits
SecZ=1.46
Focus=-4.575
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.590 -5.705 -1.430
T123=8.6 8.0 11.1
ALT/AZ=43.3 -77.6
fwAVG=3.50
sdW=111.7
fwW=3.50
sdS=123.0
fwS=3.41
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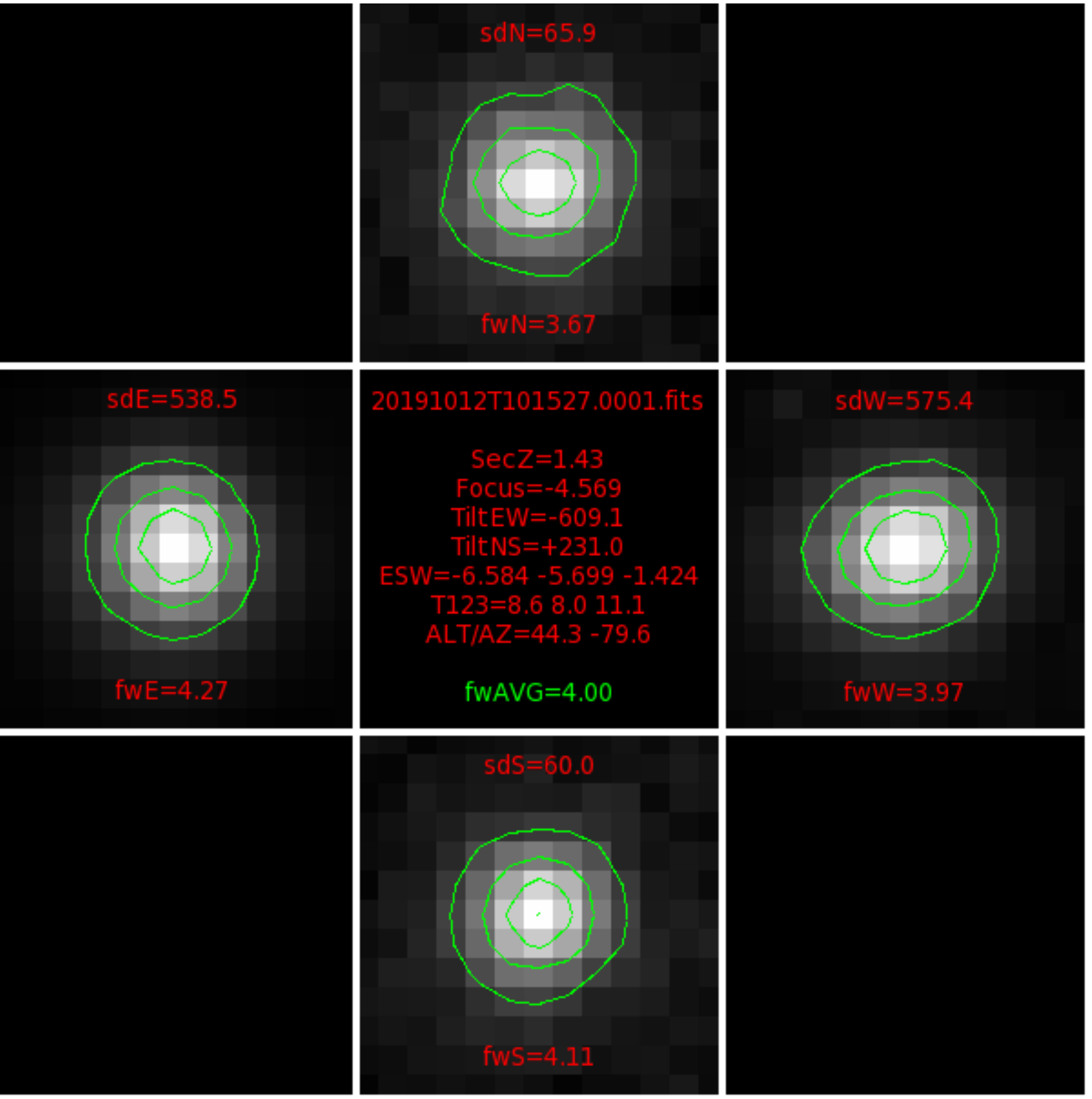
sdN=65.9
fwN=3.67
sdE=538.5
fwE=4.27
20191012T101527.0001.fits
SecZ=1.43
Focus=-4.569
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.584 -5.699 -1.424
T123=8.6 8.0 11.1
ALT/AZ=44.3 -79.6
fwAVG=4.00
sdW=575.4
fwW=3.97
sdS=60.0
fwS=4.11
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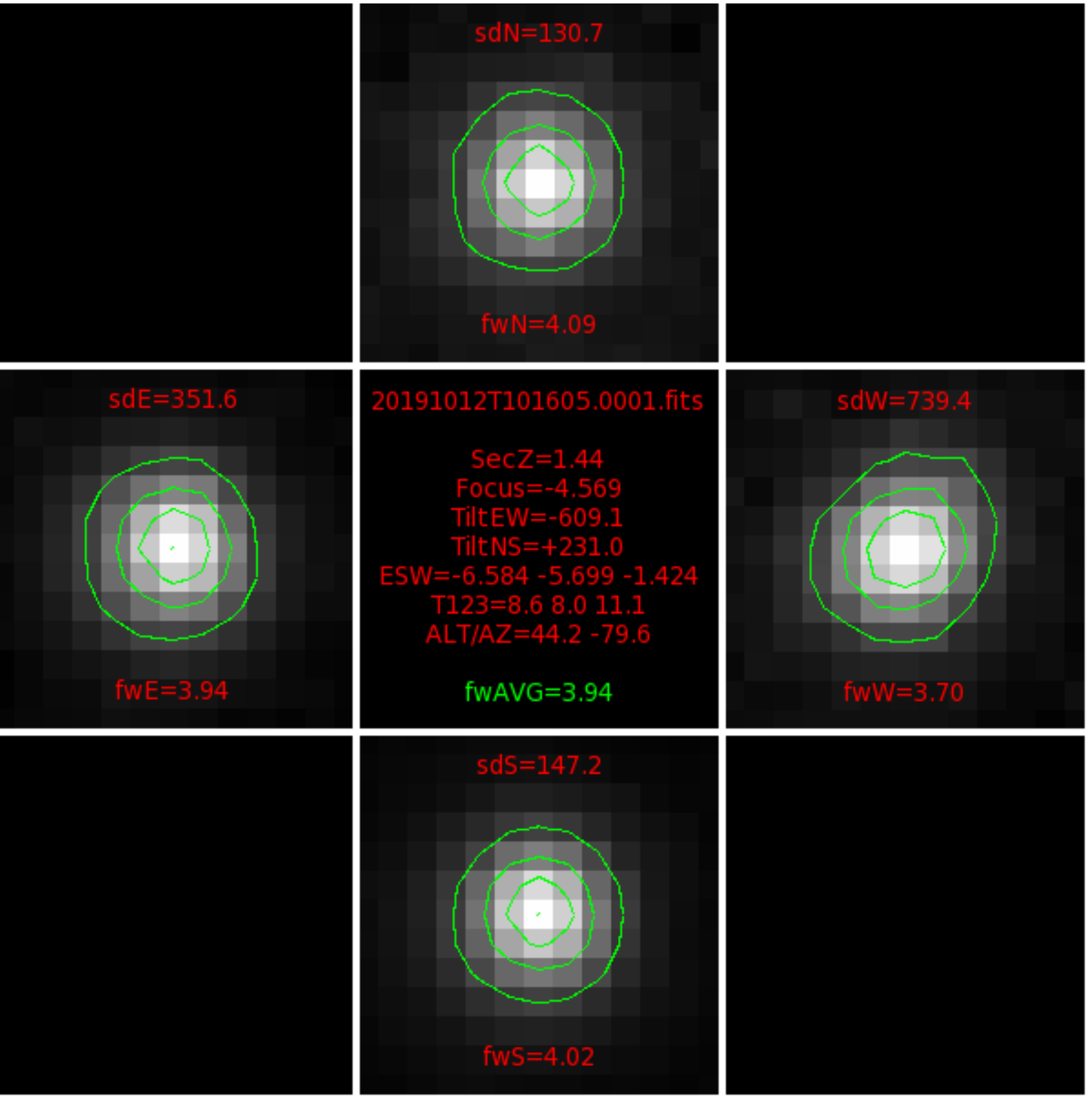
sdN=130.7
fwN=4.09
sdE=351.6
fwE=3.94
20191012T101605.0001.fits
SecZ=1.44
Focus=-4.569
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.584 -5.699 -1.424
T123=8.6 8.0 11.1
ALT/AZ=44.2 -79.6
fwAVG=3.94
sdW=739.4
fwW=3.70
sdS=147.2
fwS=4.02
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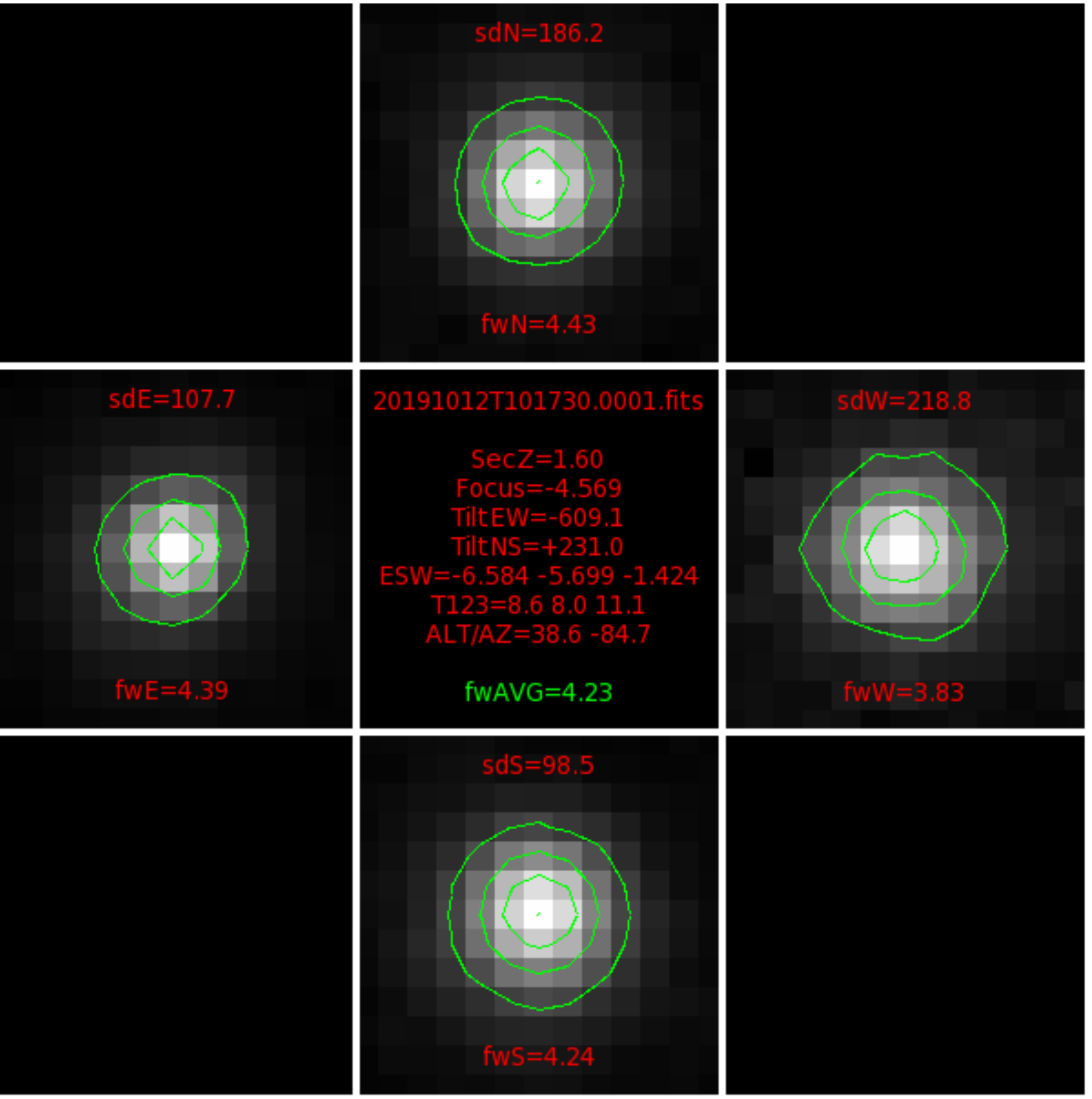
sdN=186.2
fwN=4.43
sdE=107.7
fwE=4.39
20191012T101730.0001.fits
SecZ=1.60
Focus=-4.569
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.584 -5.699 -1.424
T123=8.6 8.0 11.1
ALT/AZ=38.6 -84.7
fwAVG=4.23
sdW=218.8
fwW=3.83
sdS=98.5
fwS=4.24
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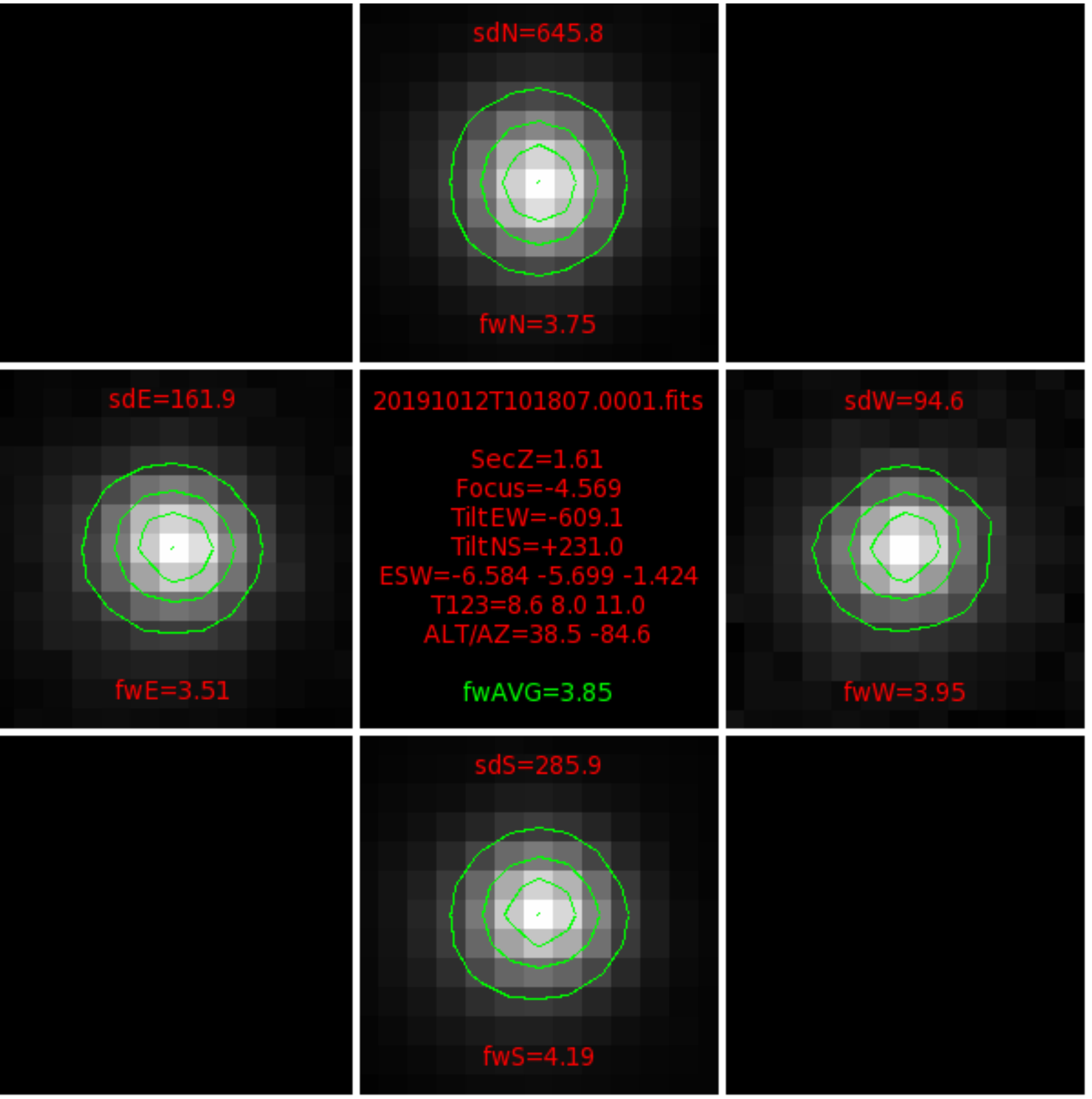
sdN=645.8
fwN=3.75
sdE=161.9
fwE=3.51
20191012T101807.0001.fits
SecZ=1.61
Focus=-4.569
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.584 -5.699 -1.424
T123=8.6 8.0 11.0
ALT/AZ=38.5 -84.6
fwAVG=3.85
sdW=94.6
fwW=3.95
sdS=285.9
fwS=4.19
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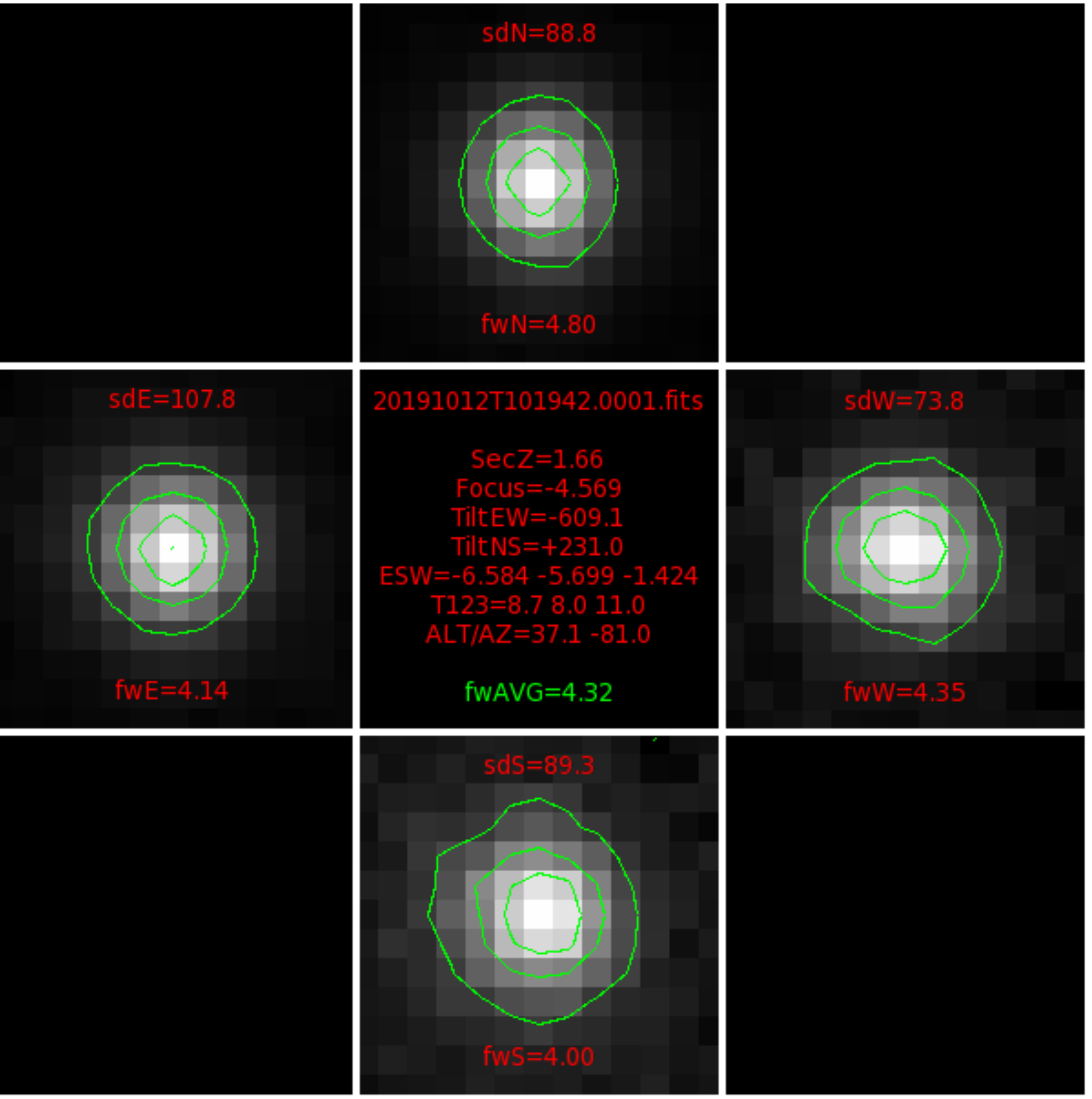
sdN=88.8
fwN=4.80
sdE=107.8
fwE=4.14
20191012T101942.0001.fits
SecZ=1.66
Focus=-4.569
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.584 -5.699 -1.424
T123=8.7 8.0 11.0
ALT/AZ=37.1 -81.0
fwAVG=4.32
sdW=73.8
fwW=4.35
sdS=89.3
fwS=4.00
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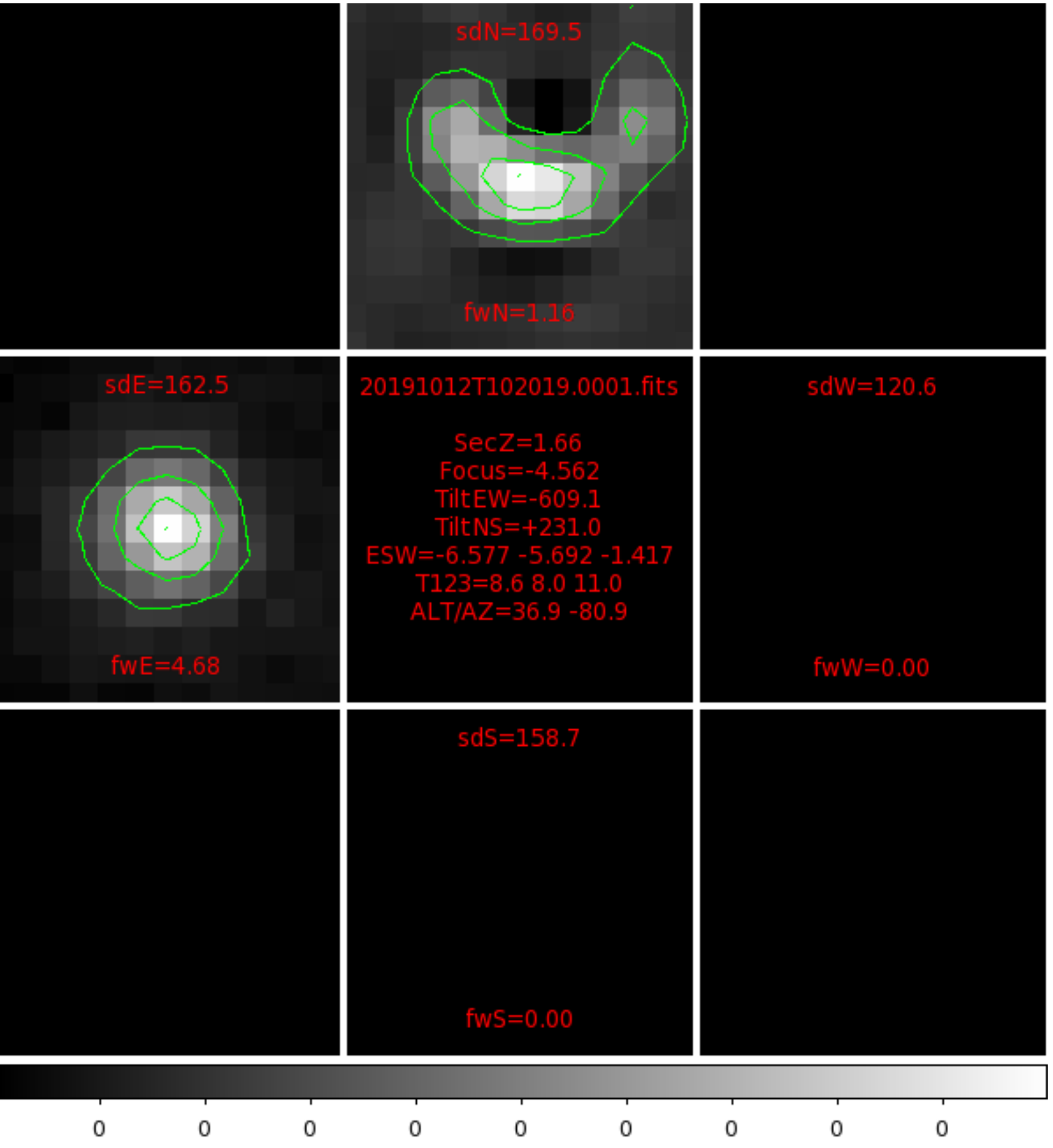
sdN=169.5
fwN=1.16
sdE=162.5
fwE=4.68
20191012T102019.0001.fits
SecZ=1.66
Focus=-4.562
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.577 -5.692 -1.417
T123=8.6 8.0 11.0
ALT/AZ=36.9 -80.9
sdW=120.6
fwW=0.00
sdS=158.7
fwS=0.00
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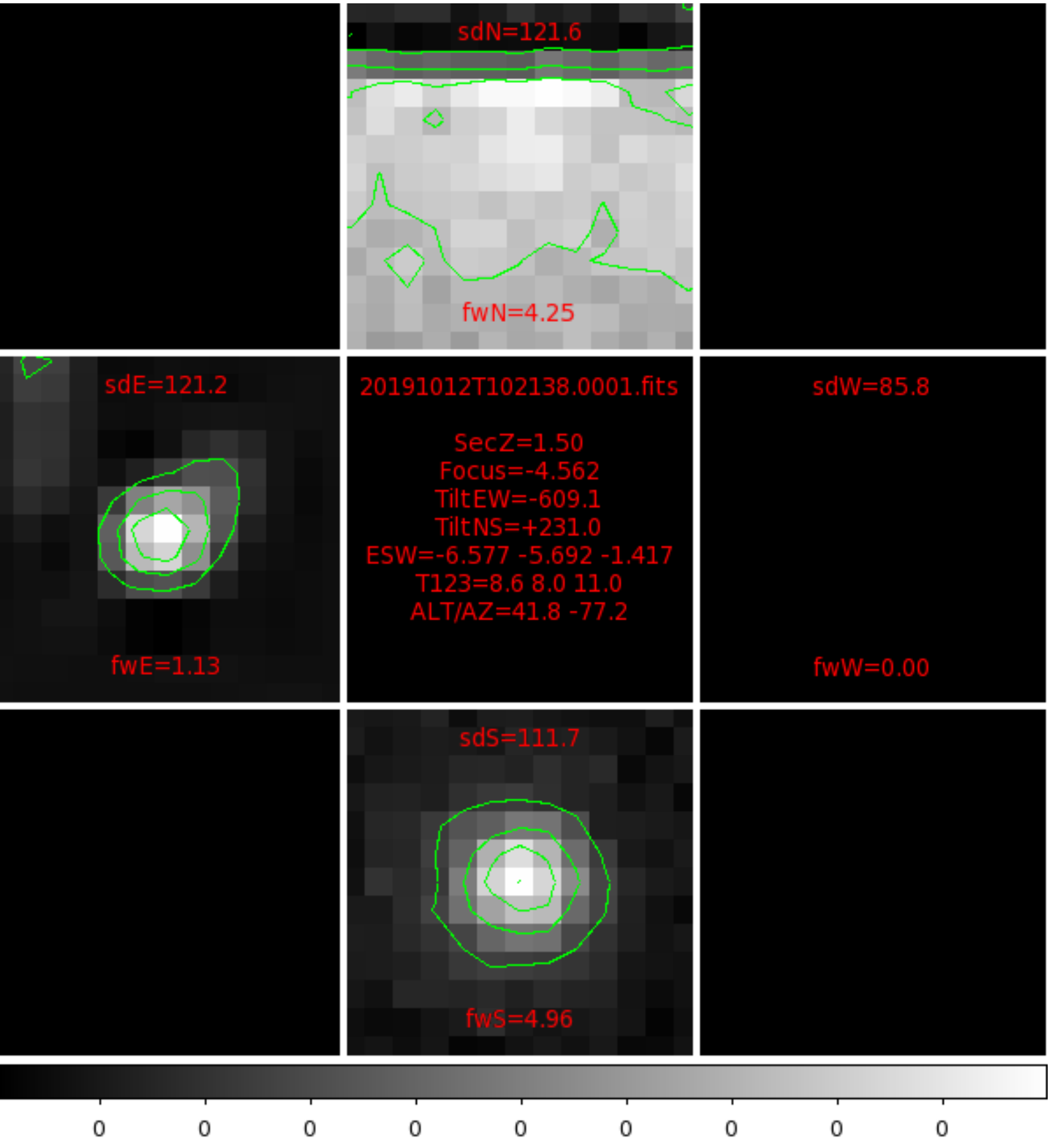
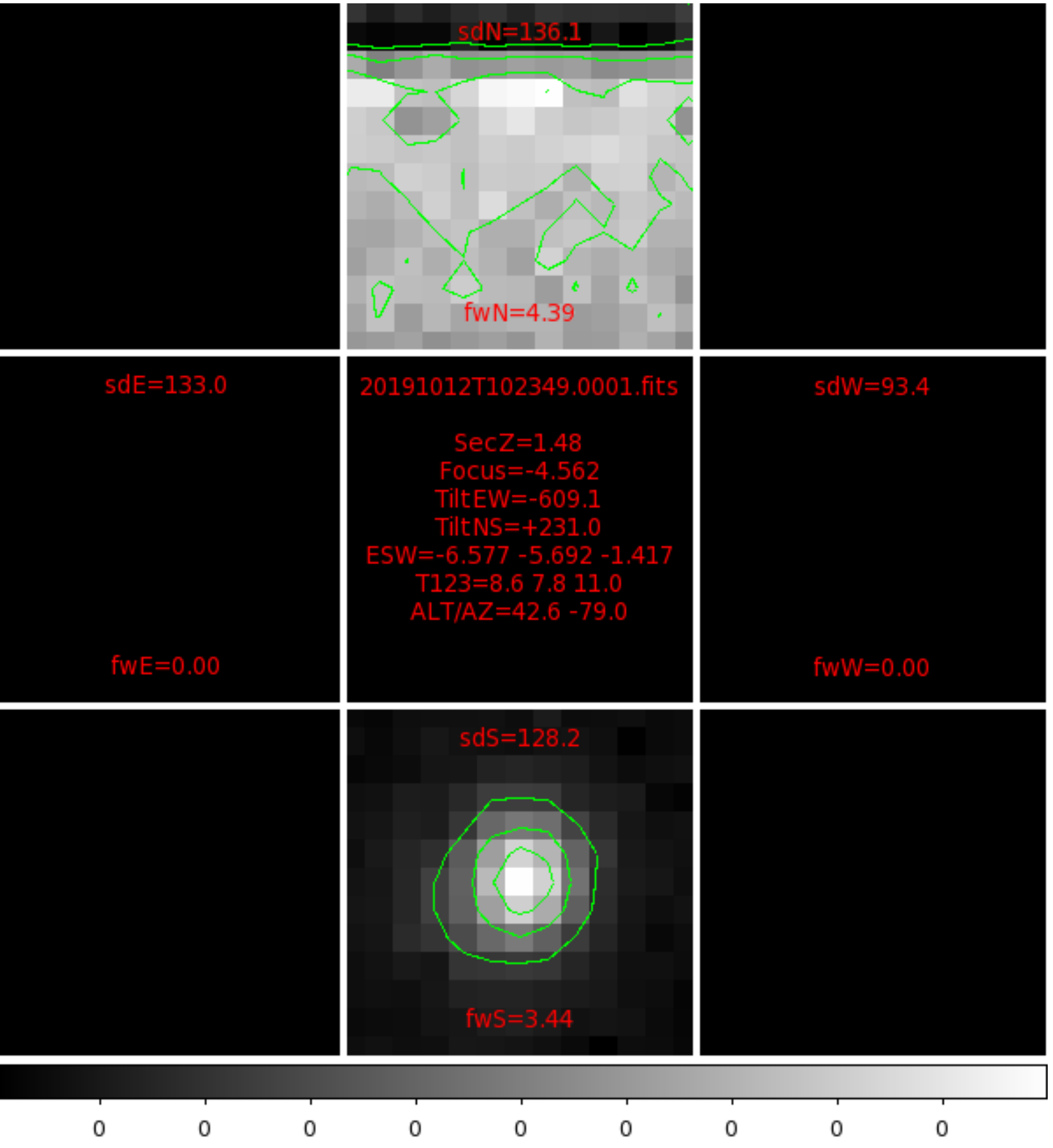

sdN=121.6
fwN=4.25
sdE=121.2
fwE=1.13
20191012T102138.0001.fits
SecZ=1.50
Focus=-4.562
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.577 -5.692 -1.417
T123=8.6 8.0 11.0
ALT/AZ=41.8 -77.2
sdW=85.8
fwW=0.00
sdS=111.7
fwS=4.96
0 0 0 0 0 0 0 0 0

sdN=174.4
fwN=0.00
sdE=169.7
20191012T102214.0001.fits
SecZ=1.51
Focus=-4.562
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.577 -5.692 -1.417
T123=8.6 7.9 11.0
ALT/AZ=41.6 -77.1
sdW=121.1
fwE=0.00
fwW=0.00
sdS=165.3
fwS=3.96
0 0 0 0 0 0 0 0 0


sdN=136.1
fwN=4.39
sdE=133.0
20191012T102349.0001.fits
SecZ=1.48
Focus=-4.562
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.577 -5.692 -1.417
T123=8.6 7.8 11.0
ALT/AZ=42.6 -79.0
sdW=93.4
fwE=0.00
fwW=0.00
sdS=128.2
fwS=3.44
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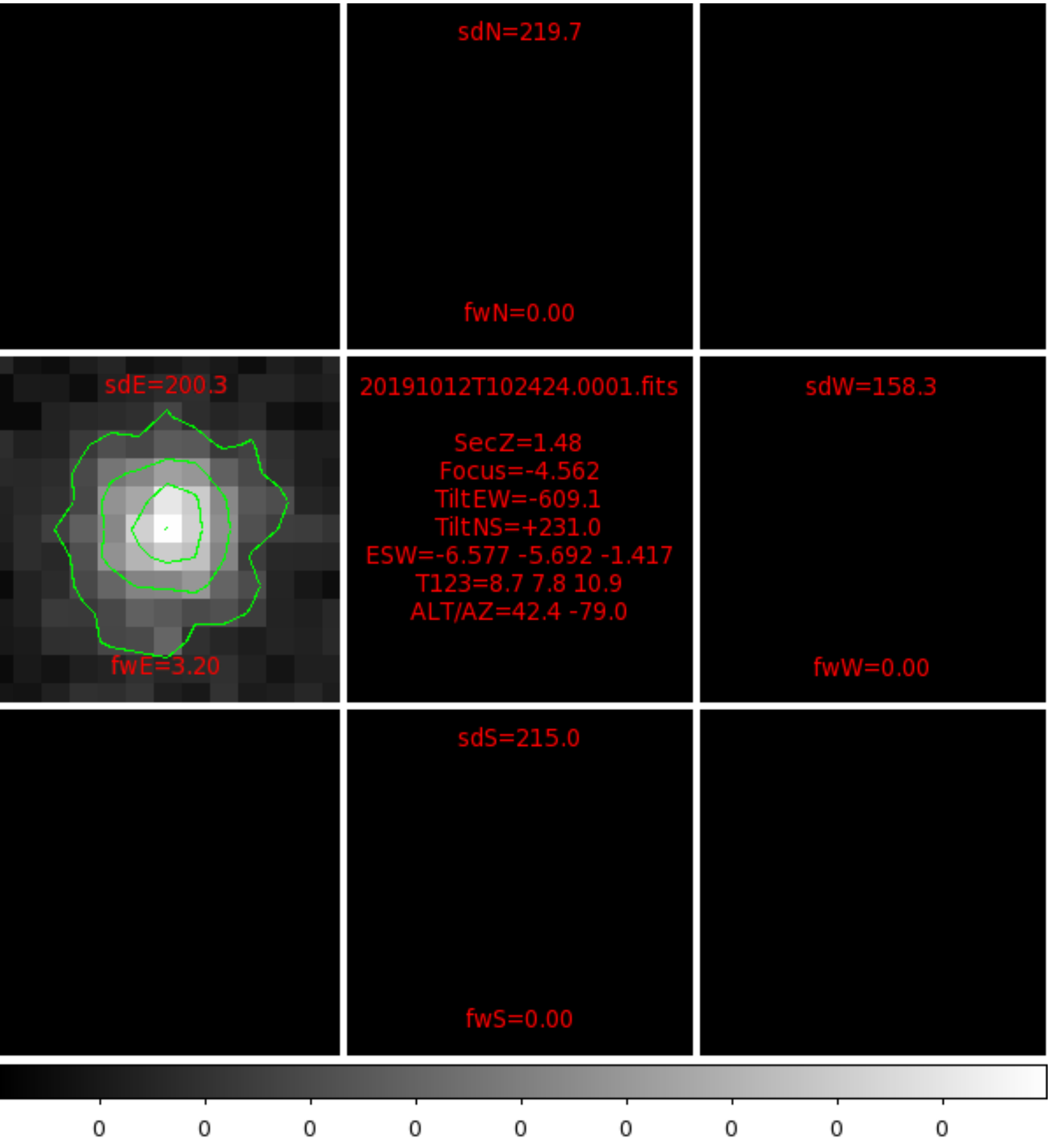
sdN=219.7
fwN=0.00
sdE=200.3
fwE=3.20
20191012T102424.0001.fits
SecZ=1.48
Focus=-4.562
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.577 -5.692 -1.417
T123=8.7 7.8 10.9
ALT/AZ=42.4 -79.0
sdW=158.3
fwW=0.00
sdS=215.0
fwS=0.00
0 0 0 0 0 0 0 0 0

sdN=128.8
fwN=4.73
sdE=121.9
20191012T102818.0001.fits
SecZ=1.53
Focus=-4.555
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.570 -5.685 -1.410
T123=8.6 7.8 10.8
ALT/AZ=41.0 -73.7
sdW=91.8
fwE=0.00
fwW=0.00
sdS=117.5
fwS=0.00
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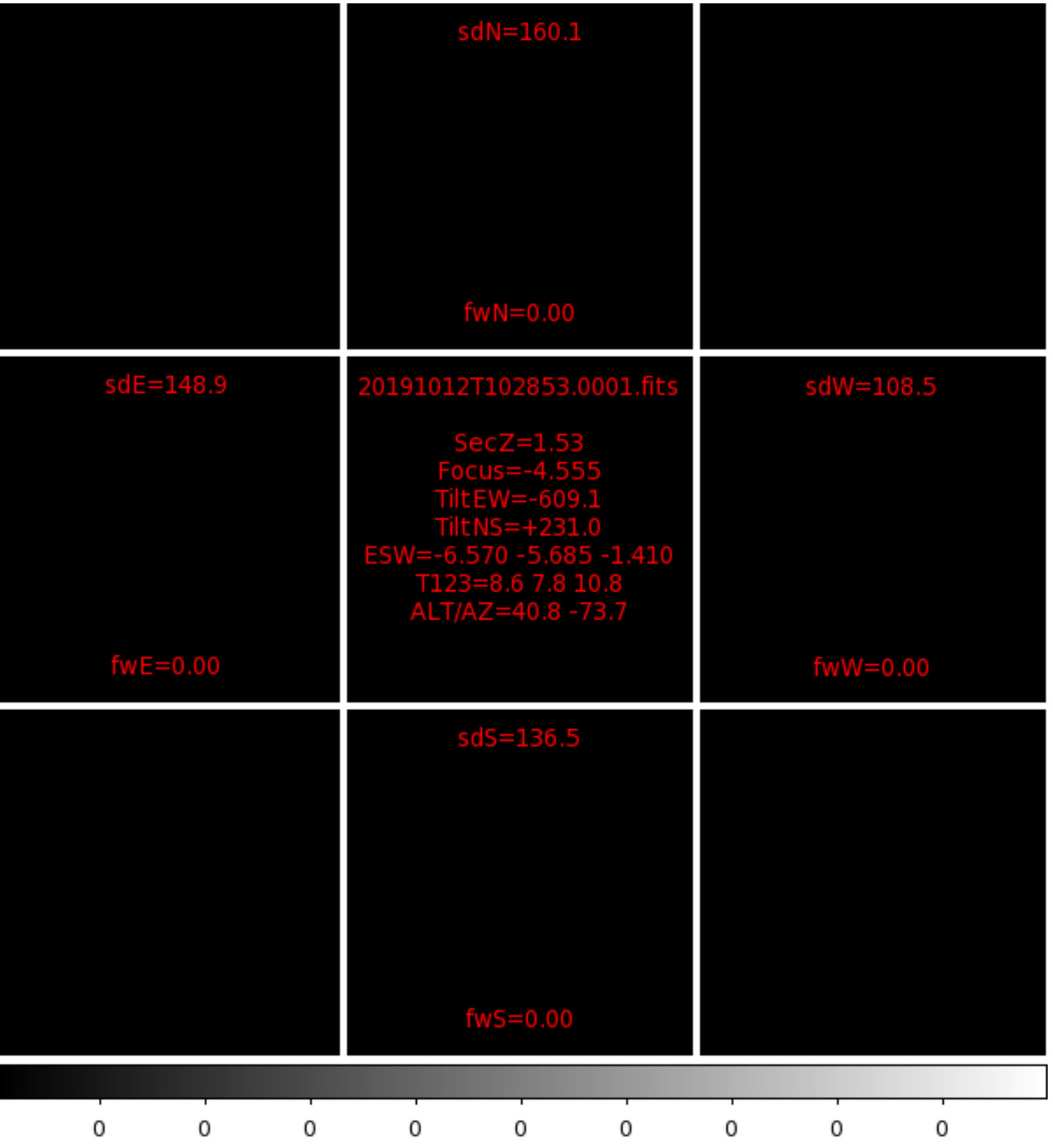
sdN=160.1
fwN=0.00
sdE=148.9
20191012T102853.0001.fits
SecZ=1.53
Focus=-4.555
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.570 -5.685 -1.410
T123=8.6 7.8 10.8
ALT/AZ=40.8 -73.7
sdW=108.5
fwE=0.00
fwW=0.00
sdS=136.5
fwS=0.00
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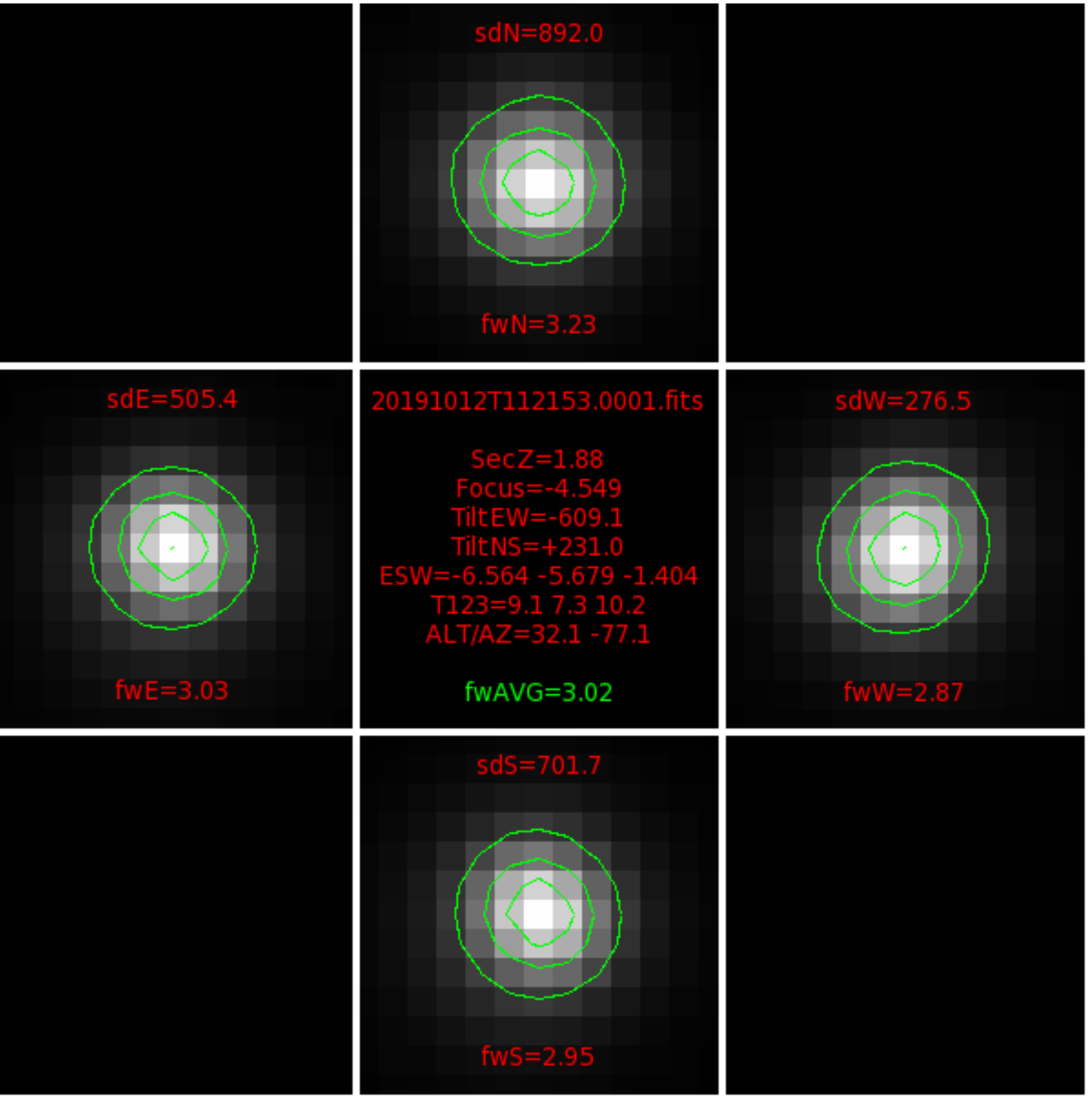
sdN=892.0
fwN=3.23
sdE=505.4
fwE=3.03
20191012T112153.0001.fits
SecZ=1.88
Focus=-4.549
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.564 -5.679 -1.404
T123=9.1 7.3 10.2
ALT/AZ=32.1 -77.1
fwAVG=3.02
sdW=276.5
fwW=2.87
sdS=701.7
fwS=2.95
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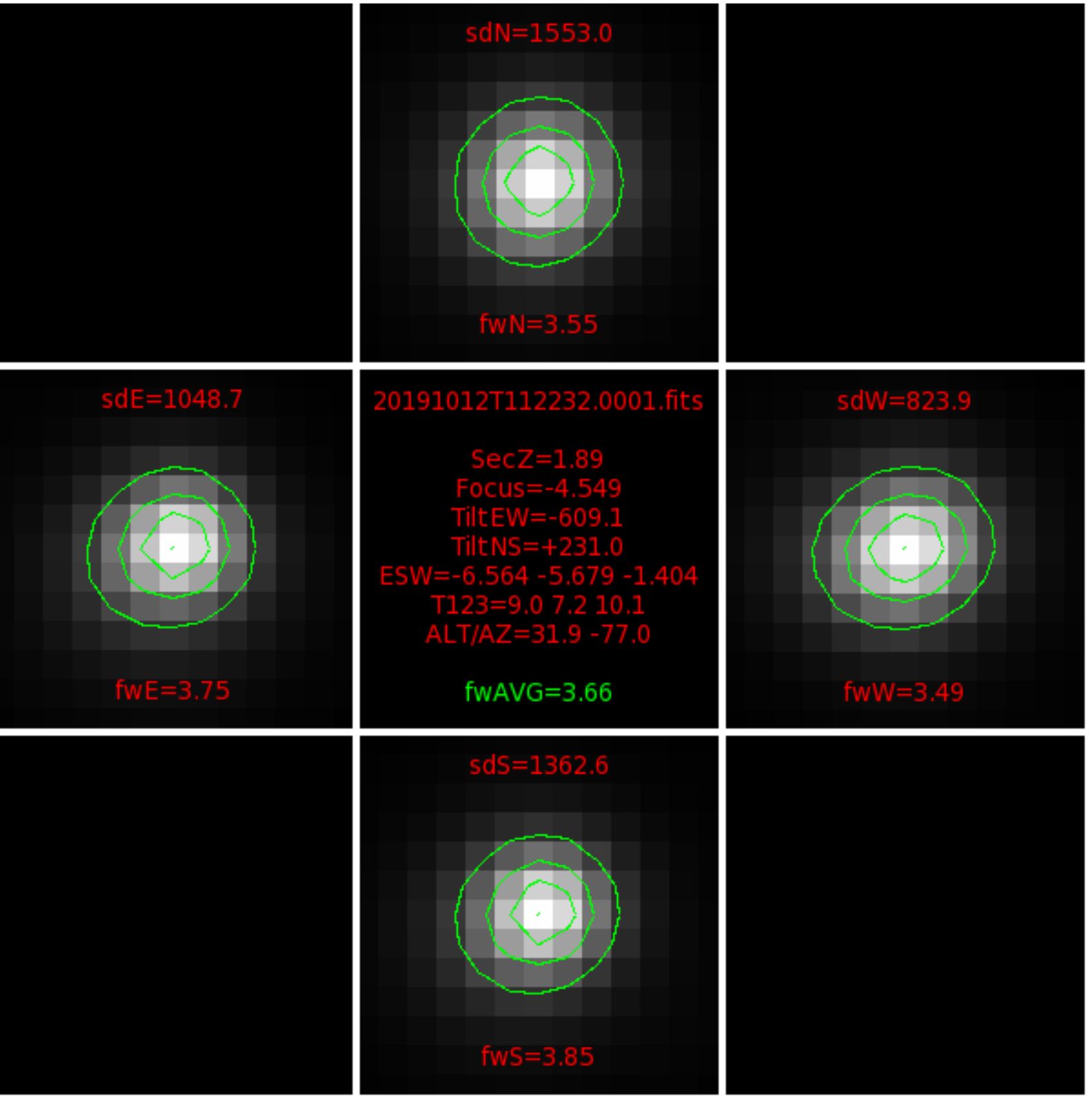
sdN=1553.0
fwN=3.55
sdE=1048.7
fwE=3.75
20191012T112232.0001.fits
SecZ=1.89
Focus=-4.549
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.564 -5.679 -1.404
T123=9.0 7.2 10.1
ALT/AZ=31.9 -77.0
fwAVG=3.66
sdW=823.9
fwW=3.49
sdS=1362.6
fwS=3.85
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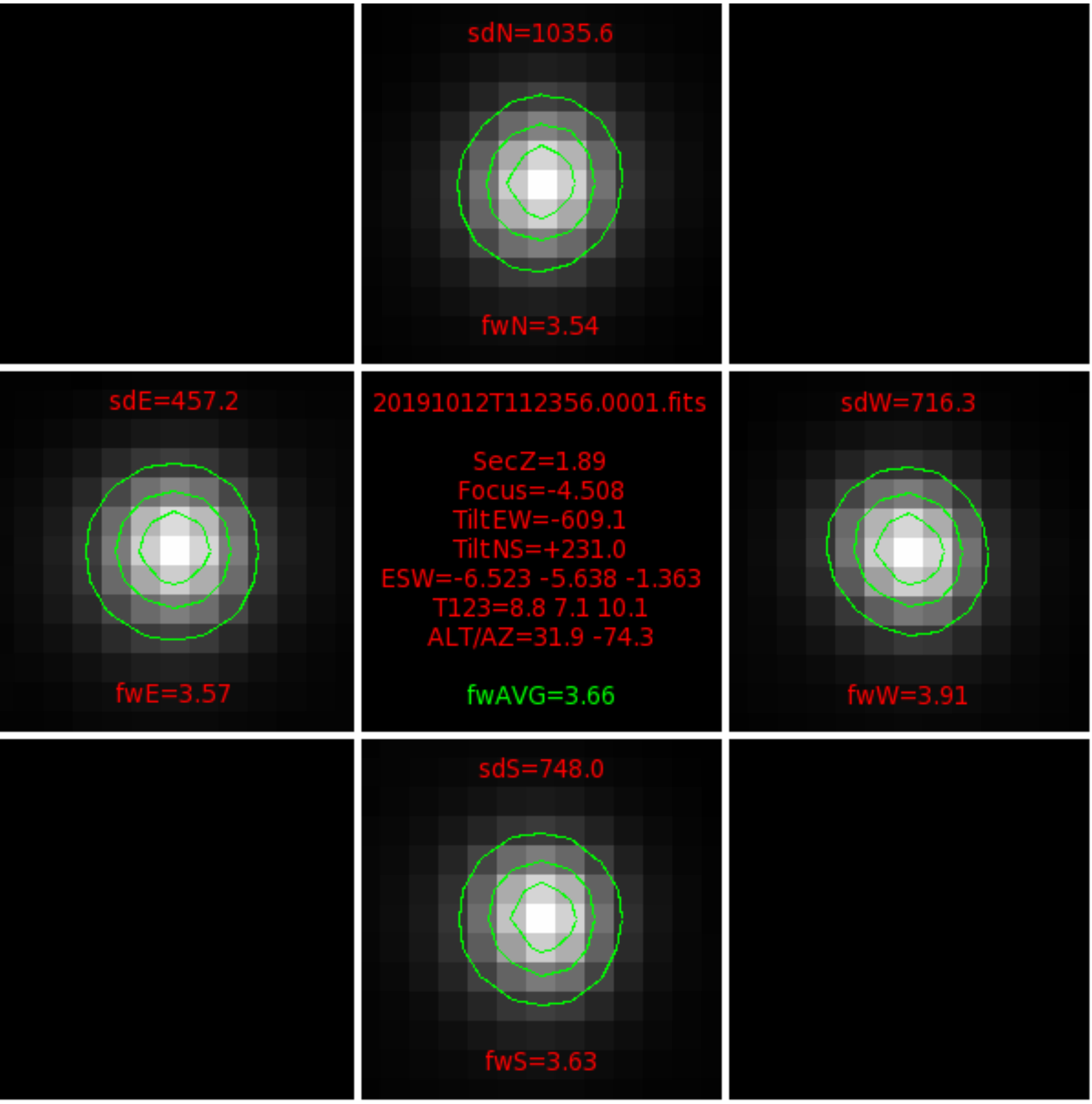
sdN=1035.6
fwN=3.54
sdE=457.2
fwE=3.57
20191012T112356.0001.fits
SecZ=1.89
Focus=-4.508
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.523 -5.638 -1.363
T123=8.8 7.1 10.1
ALT/AZ=31.9 -74.3
fwAVG=3.66
sdW=716.3
fwW=3.91
sdS=748.0
fwS=3.63
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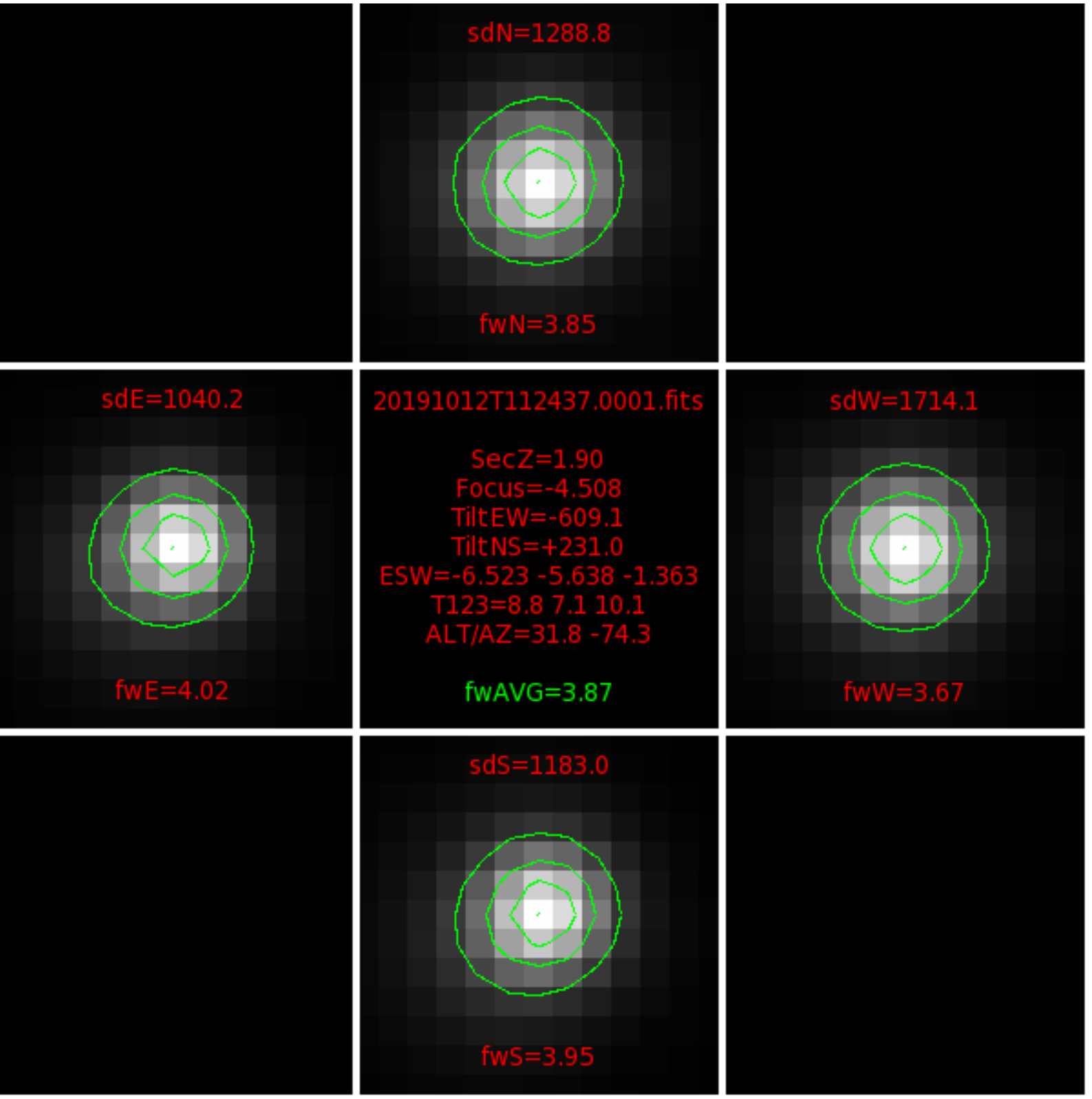
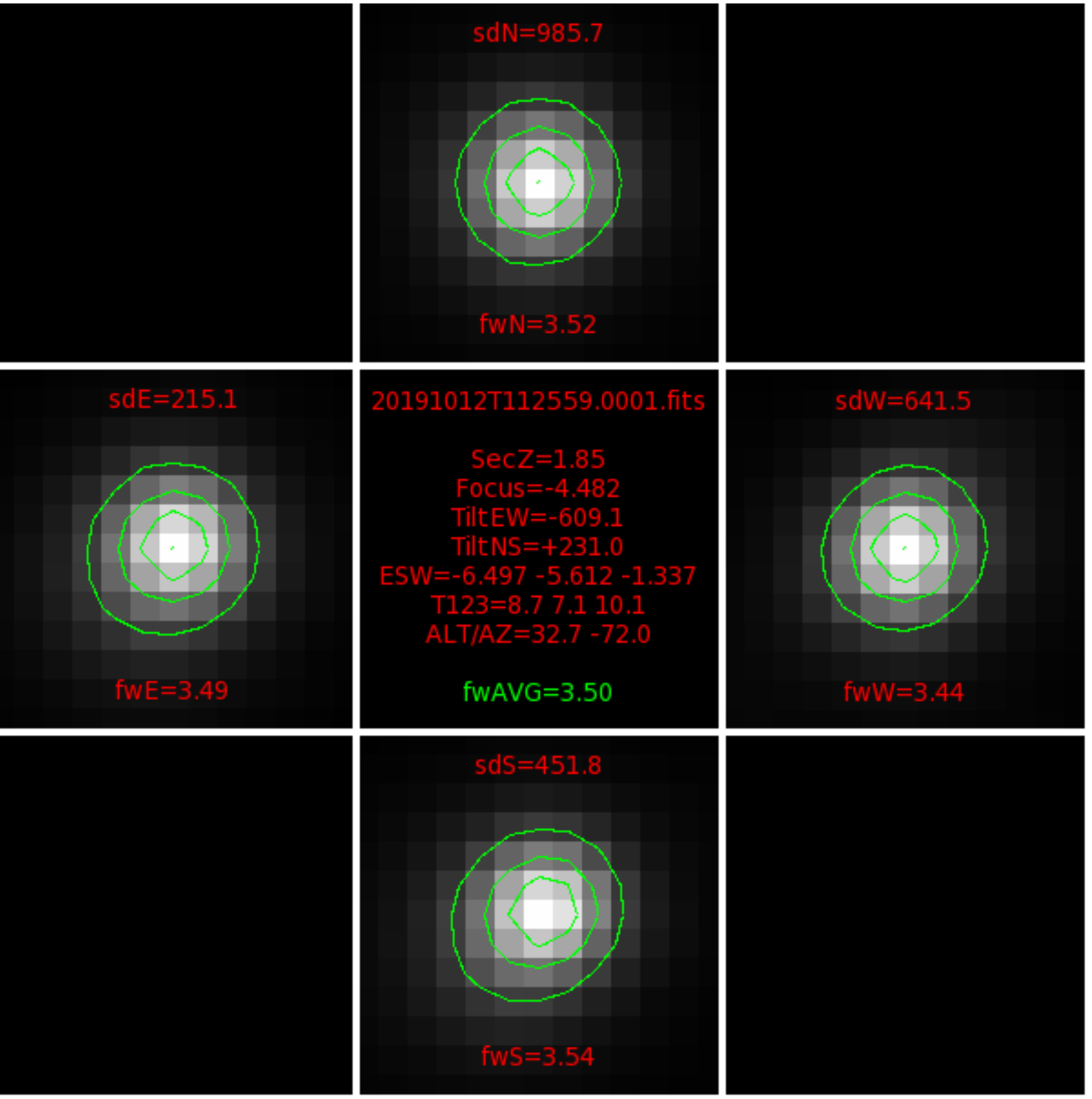

sdN=1288.8
fwN=3.85
sdE=1040.2
fwE=4.02
20191012T112437.0001.fits
SecZ=1.90
Focus=-4.508
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.523 -5.638 -1.363
T123=8.8 7.1 10.1
ALT/AZ=31.8 -74.3
fwAVG=3.87
sdW=1714.1
fwW=3.67
sdS=1183.0
fwS=3.95
0 0 0 0 0 0 0 0 0


sdN=985.7
fwN=3.52
sdE=215.1
fwE=3.49
20191012T112559.0001.fits
SecZ=1.85
Focus=-4.482
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.497 -5.612 -1.337
T123=8.7 7.1 10.1
ALT/AZ=32.7 -72.0
fwAVG=3.50
sdW=641.5
fwW=3.44
sdS=451.8
fwS=3.54
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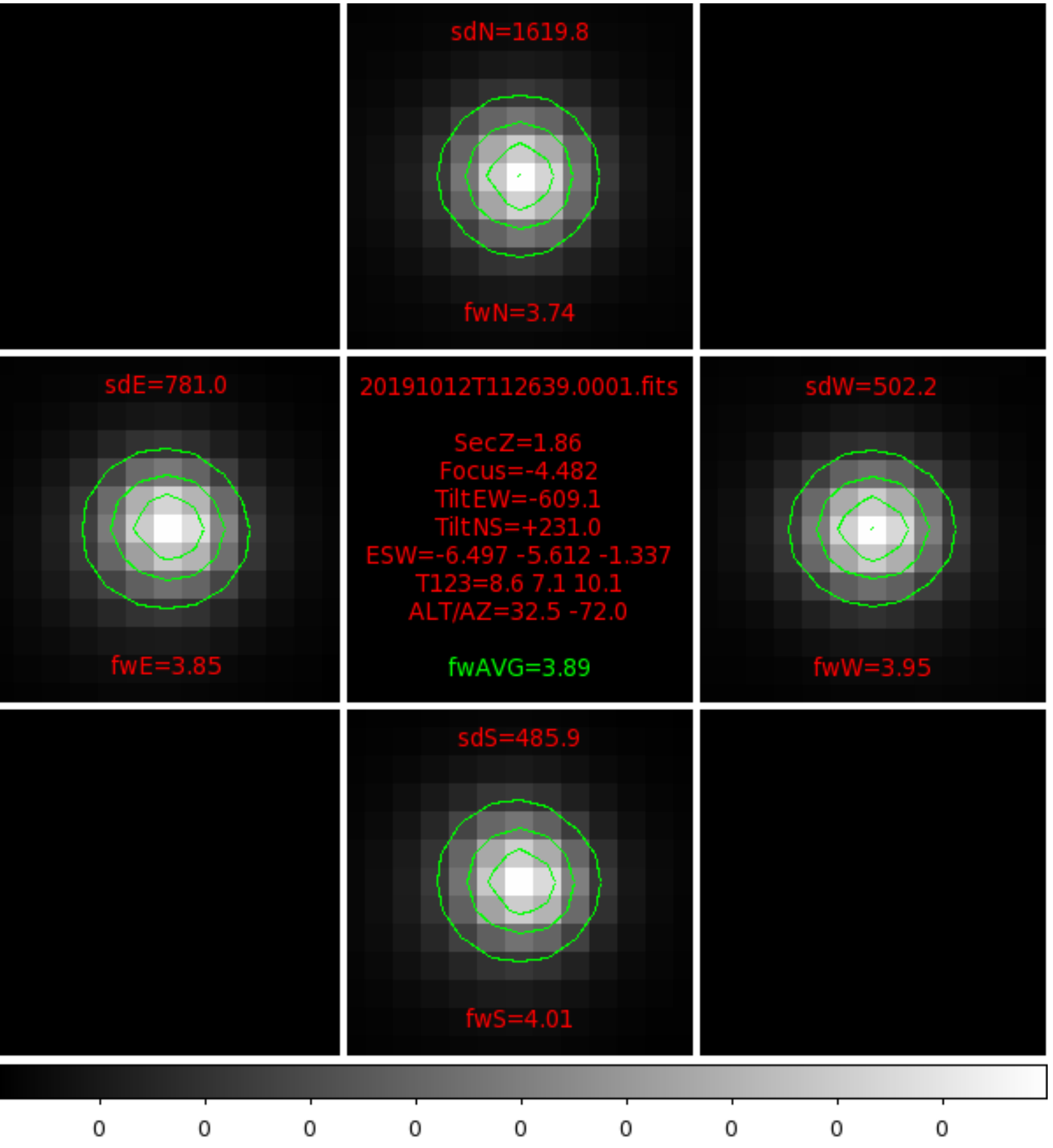
sdN=1619.8
fwN=3.74
sdE=781.0
fwE=3.85
20191012T112639.0001.fits
SecZ=1.86
Focus=-4.482
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.497 -5.612 -1.337
T123=8.6 7.1 10.1
ALT/AZ=32.5 -72.0
fwAVG=3.89
sdW=502.2
fwW=3.95
sdS=485.9
fwS=4.01
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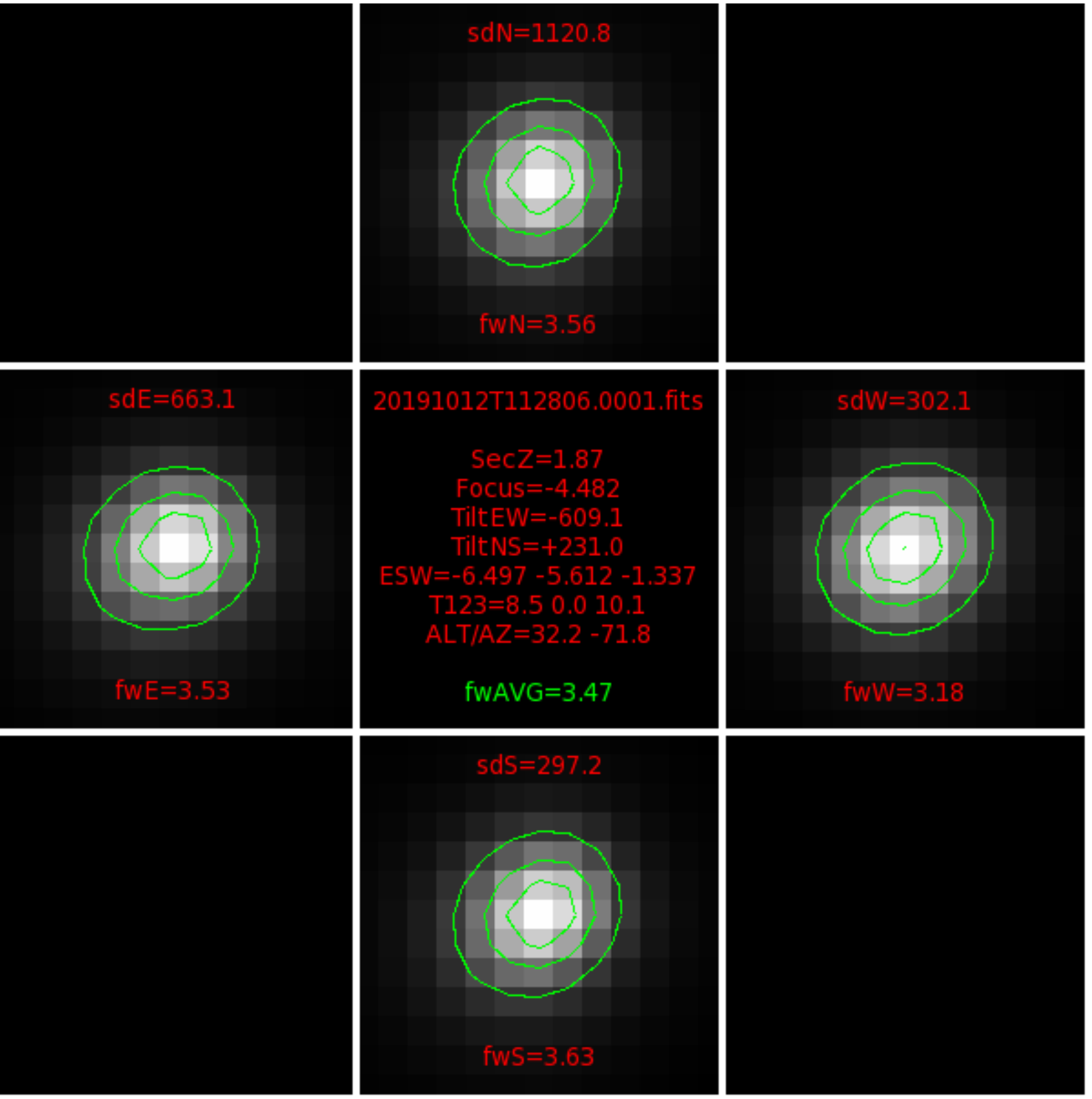
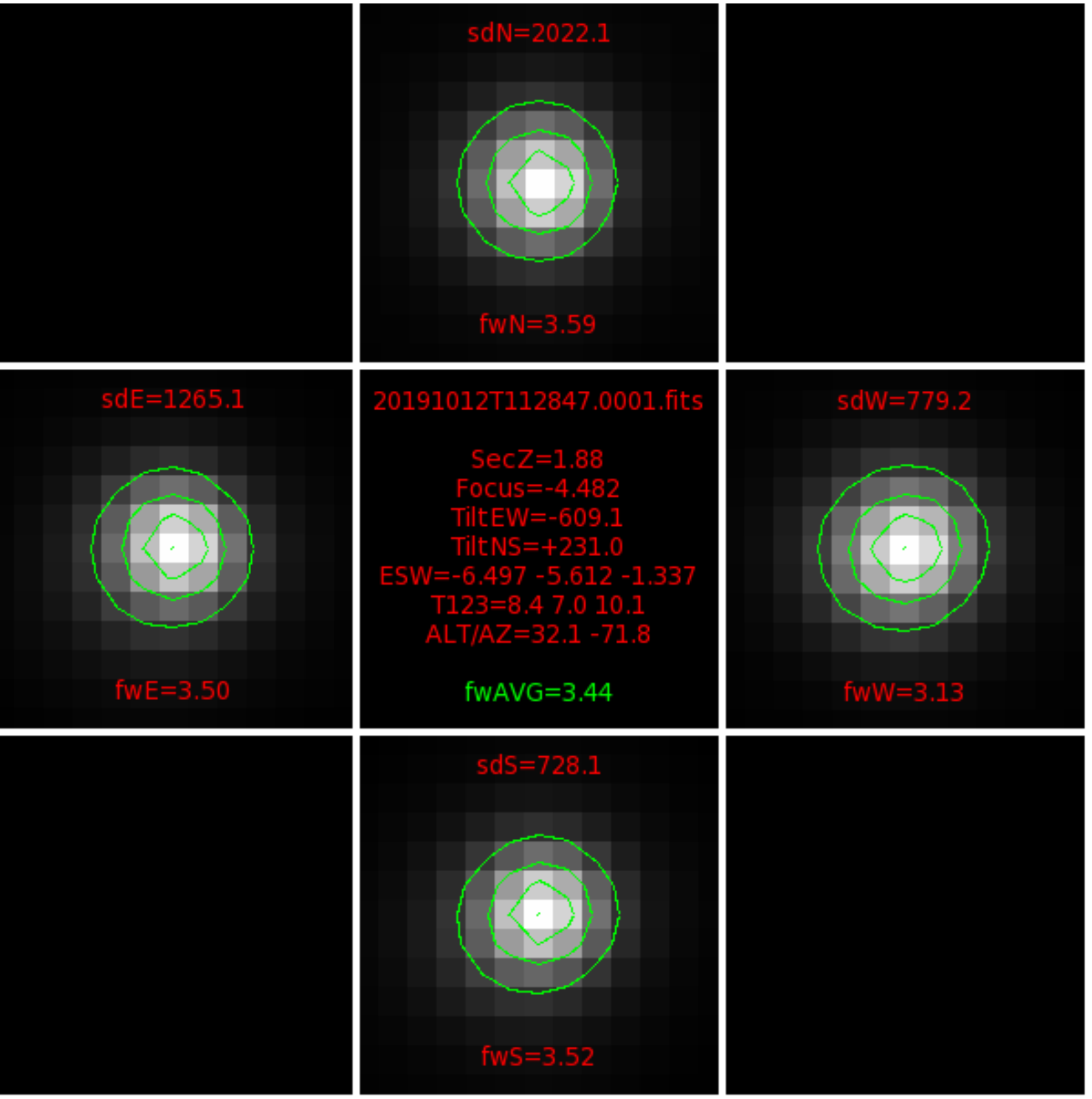

sdN=1120.8
fwN=3.56
sdE=663.1
fwE=3.53
20191012T112806.0001.fits
SecZ=1.87
Focus=-4.482
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.497 -5.612 -1.337
T123=8.5 0.0 10.1
ALT/AZ=32.2 -71.8
fwAVG=3.47
sdW=302.1
fwW=3.18
sdS=297.2
fwS=3.63
0 0 0 0 0 0 0 0 0


sdN=2022.1
fwN=3.59
sdE=1265.1
fwE=3.50
20191012T112847.0001.fits
SecZ=1.88
Focus=-4.482
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.497 -5.612 -1.337
T123=8.4 7.0 10.1
ALT/AZ=32.1 -71.8
fwAVG=3.44
sdW=779.2
fwW=3.13
sdS=728.1
fwS=3.52
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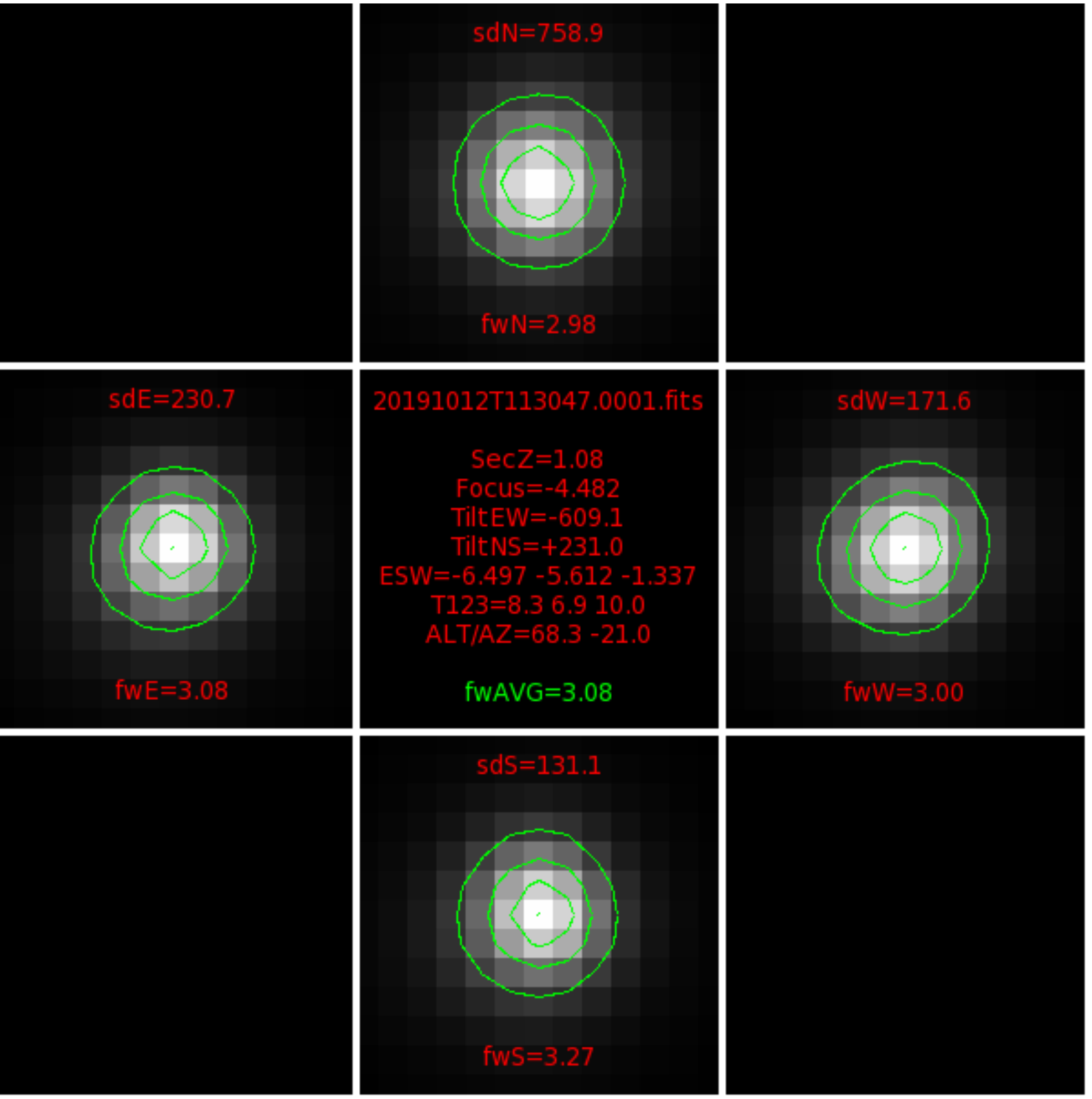
sdN=758.9
fwN=2.98
sdE=230.7
fwE=3.08
20191012T113047.0001.fits
SecZ=1.08
Focus=-4.482
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.497 -5.612 -1.337
T123=8.3 6.9 10.0
ALT/AZ=68.3 -21.0
fwAVG=3.08
sdW=171.6
fwW=3.00
sdS=131.1
fwS=3.27
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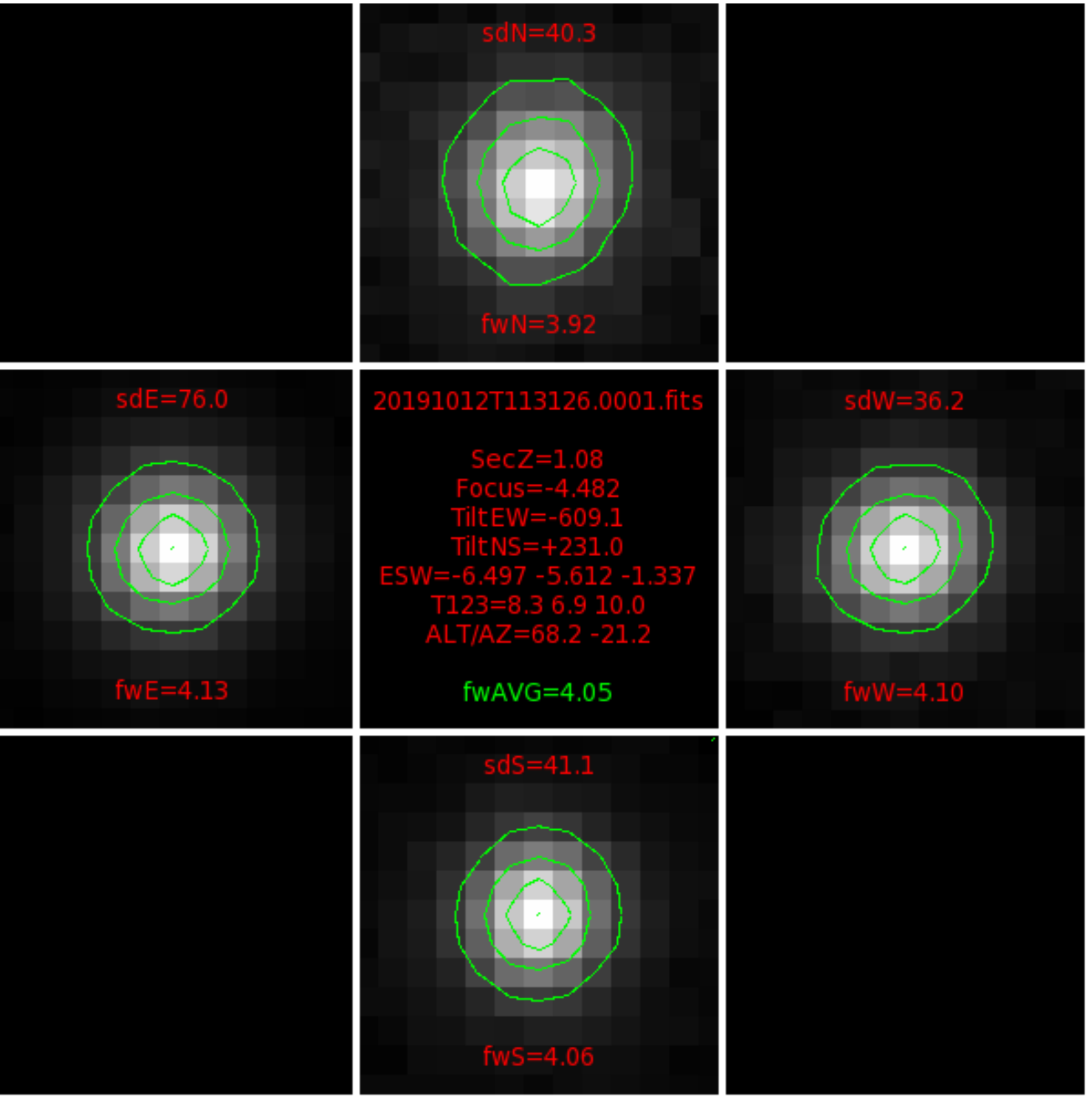
sdN=40.3
fwN=3.92
sdE=76.0
fwE=4.13
20191012T113126.0001.fits
SecZ=1.08
Focus=-4.482
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.497 -5.612 -1.337
T123=8.3 6.9 10.0
ALT/AZ=68.2 -21.2
fwAVG=4.05
sdW=36.2
fwW=4.10
sdS=41.1
fwS=4.06
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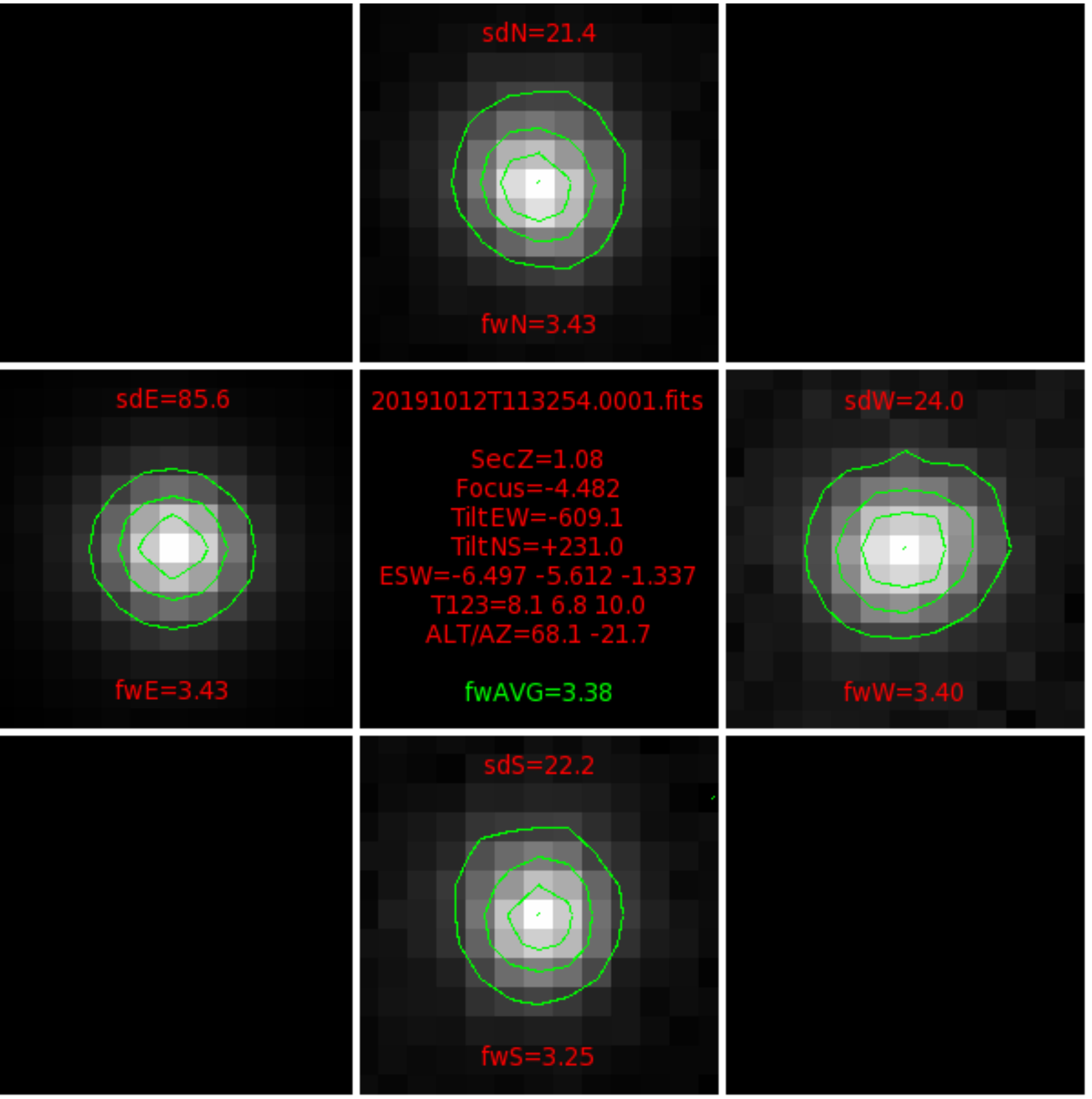
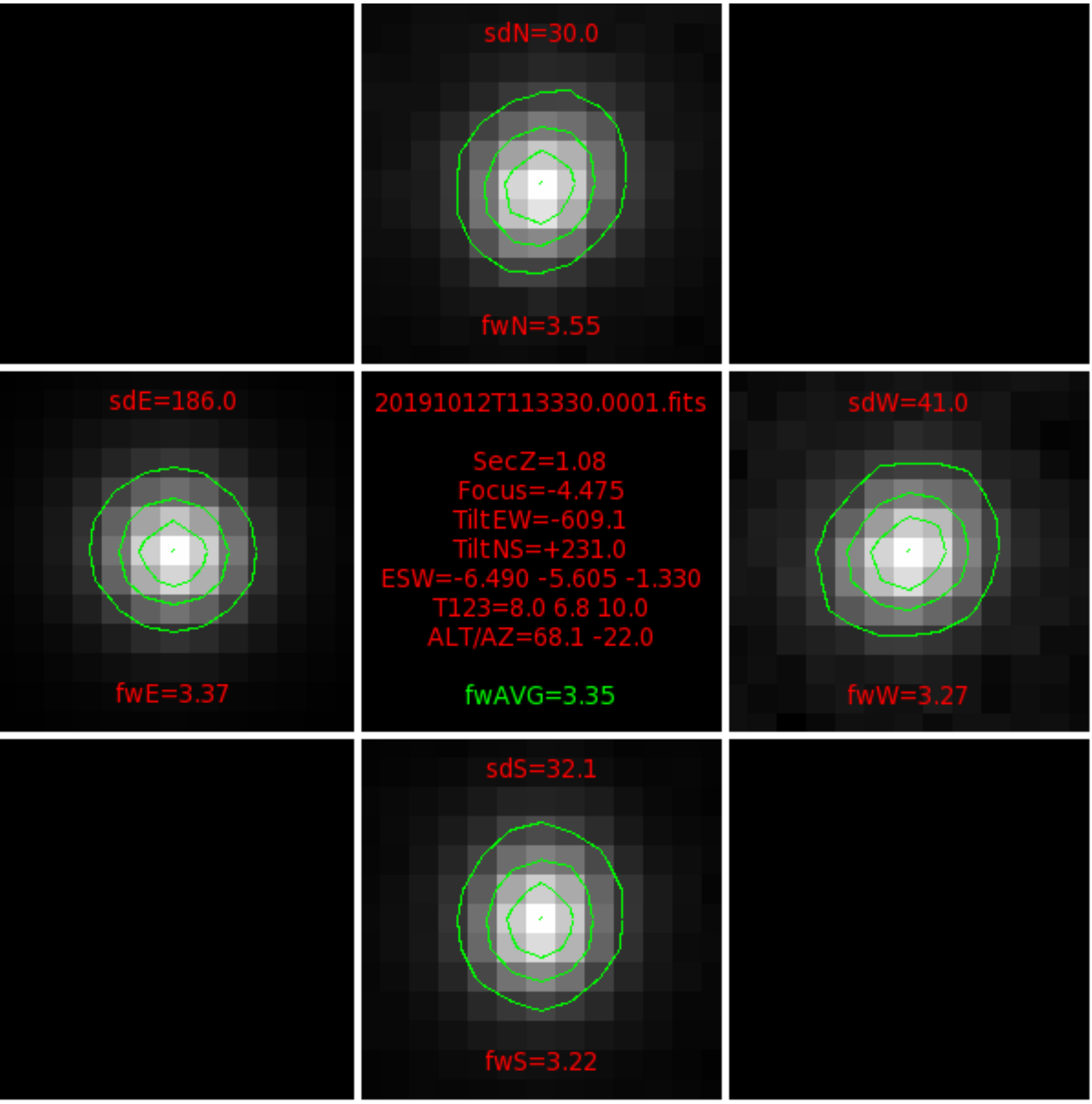

sdN=21.4
fwN=3.43
sdE=85.6
fwE=3.43
20191012T113254.0001.fits
SecZ=1.08
Focus=-4.482
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.497 -5.612 -1.337
T123=8.1 6.8 10.0
ALT/AZ=68.1 -21.7
fwAVG=3.38
sdW=24.0
fwW=3.40
sdS=22.2
fwS=3.25
0 0 0 0 0 0 0 0 0


sdN=30.0
fwN=3.55
sdE=186.0
fwE=3.37
20191012T113330.0001.fits
SecZ=1.08
Focus=-4.475
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.490 -5.605 -1.330
T123=8.0 6.8 10.0
ALT/AZ=68.1 -22.0
fwAVG=3.35
sdW=41.0
fwW=3.27
sdS=32.1
fwS=3.22
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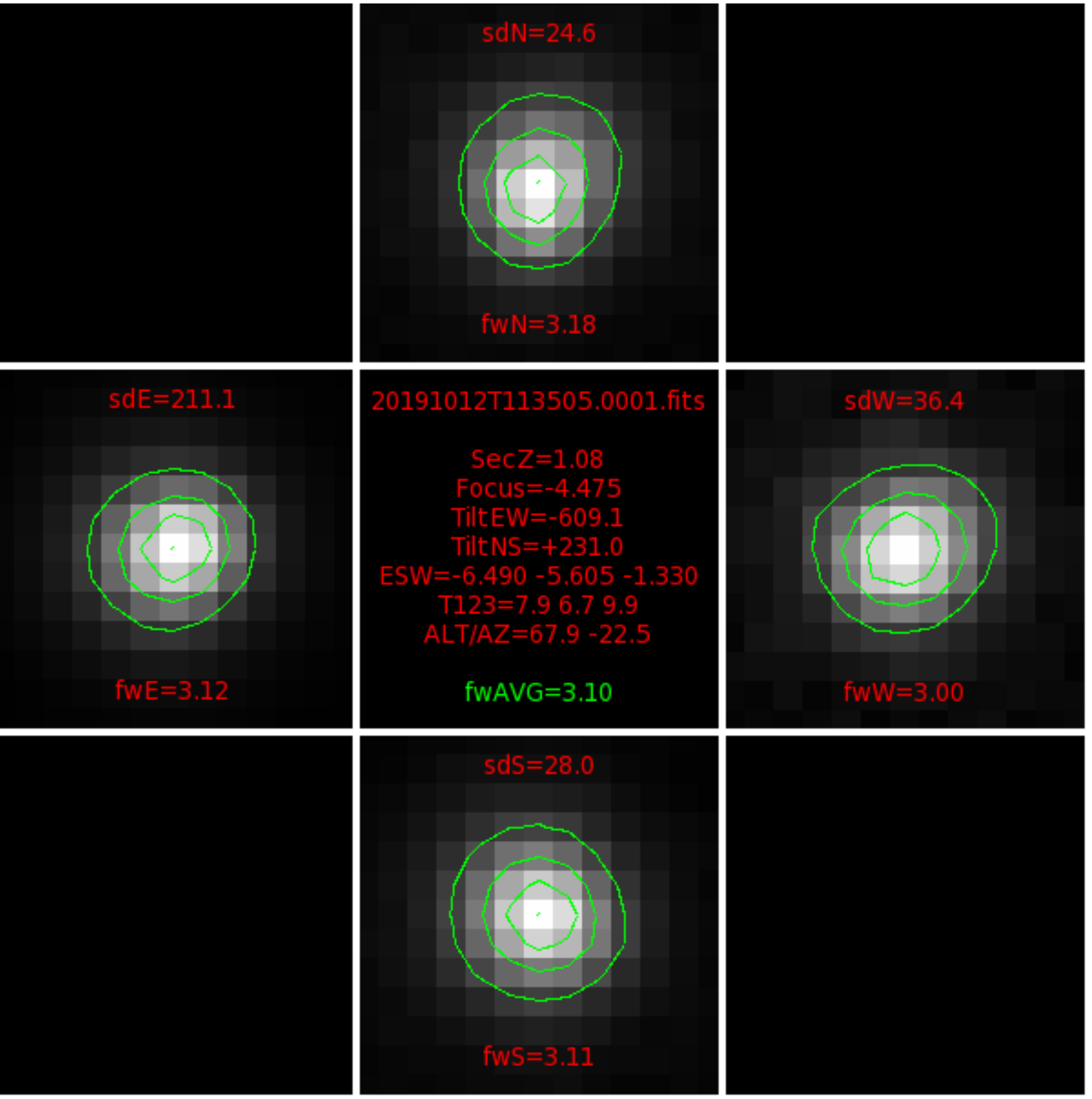
sdN=24.6
fwN=3.18
sdE=211.1
fwE=3.12
20191012T113505.0001.fits
SecZ=1.08
Focus=-4.475
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.490 -5.605 -1.330
T123=7.9 6.7 9.9
ALT/AZ=67.9 -22.5
fwAVG=3.10
sdW=36.4
fwW=3.00
sdS=28.0
fwS=3.11
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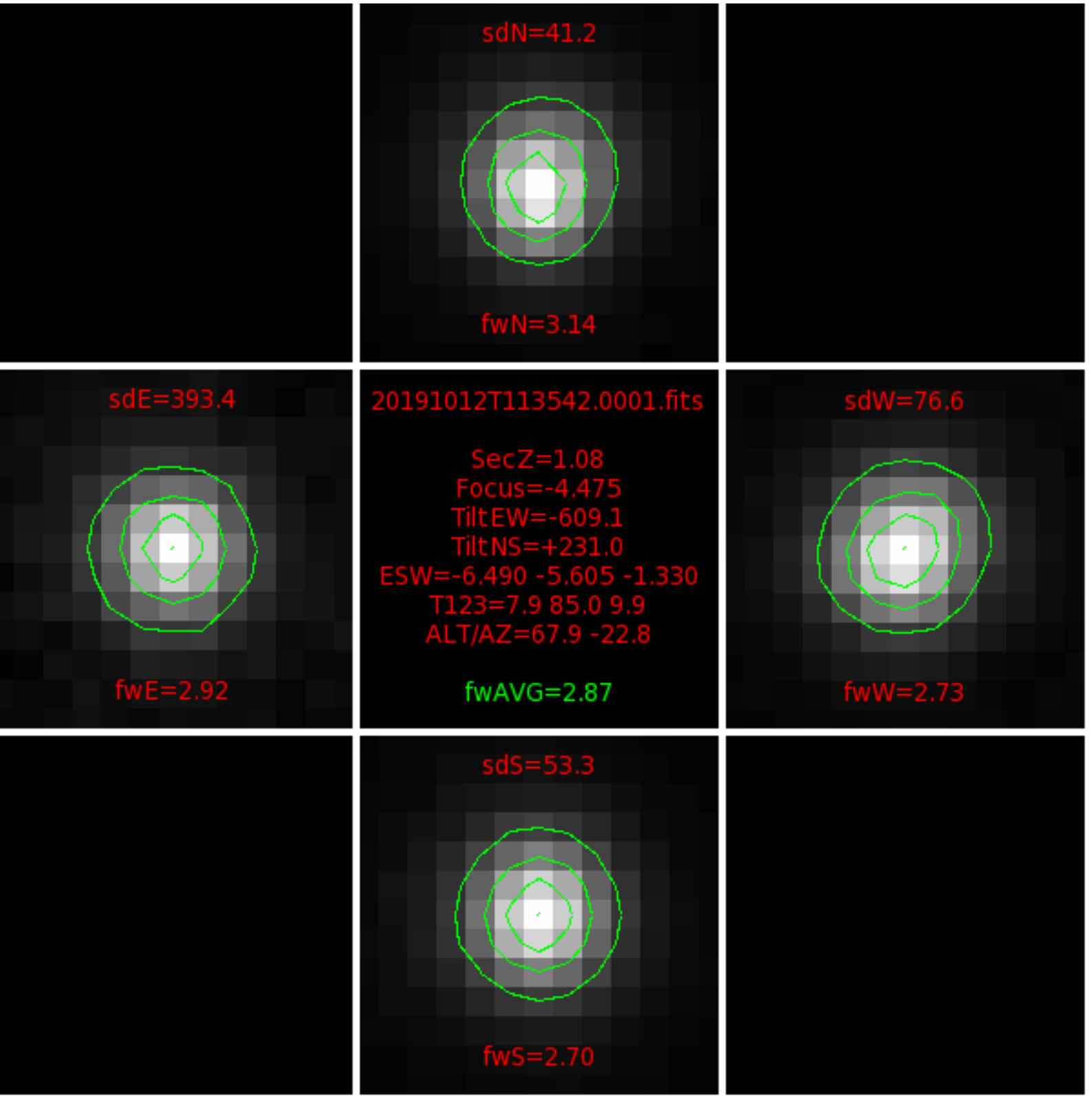
sdN=41.2
fwN=3.14
sdE=393.4
fwE=2.92
20191012T113542.0001.fits
SecZ=1.08
Focus=-4.475
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.490 -5.605 -1.330
T123=7.9 85.0 9.9
ALT/AZ=67.9 -22.8
fwAVG=2.87
sdW=76.6
fwW=2.73
sdS=53.3
fwS=2.70
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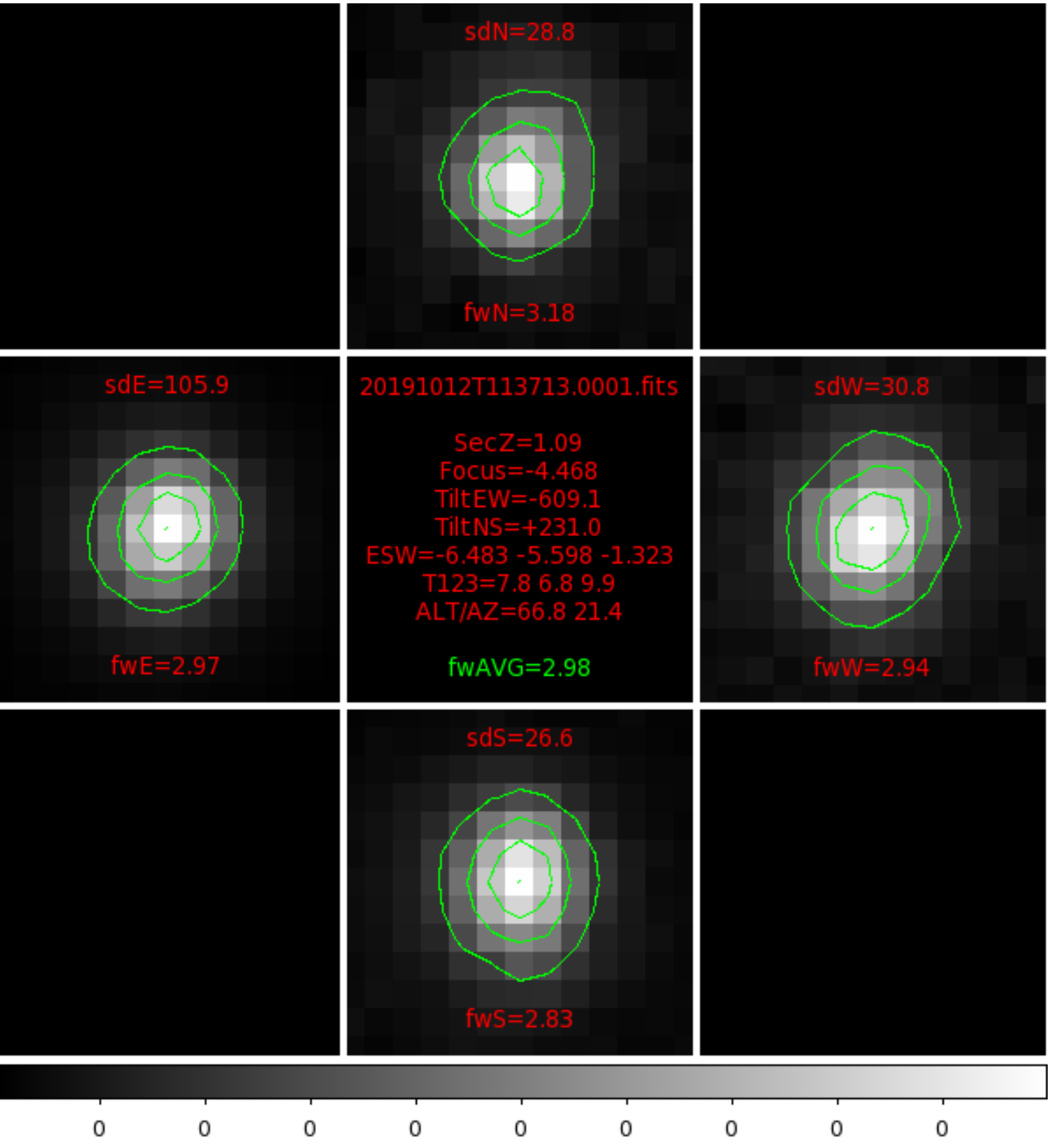
sdN=28.8
fwN=3.18
sdE=105.9
fwE=2.97
20191012T113713.0001.fits
SecZ=1.09
Focus=-4.468
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.483 -5.598 -1.323
T123=7.8 6.8 9.9
ALT/AZ=66.8 21.4
fwAVG=2.98
sdW=30.8
fwW=2.94
sdS=26.6
fwS=2.83
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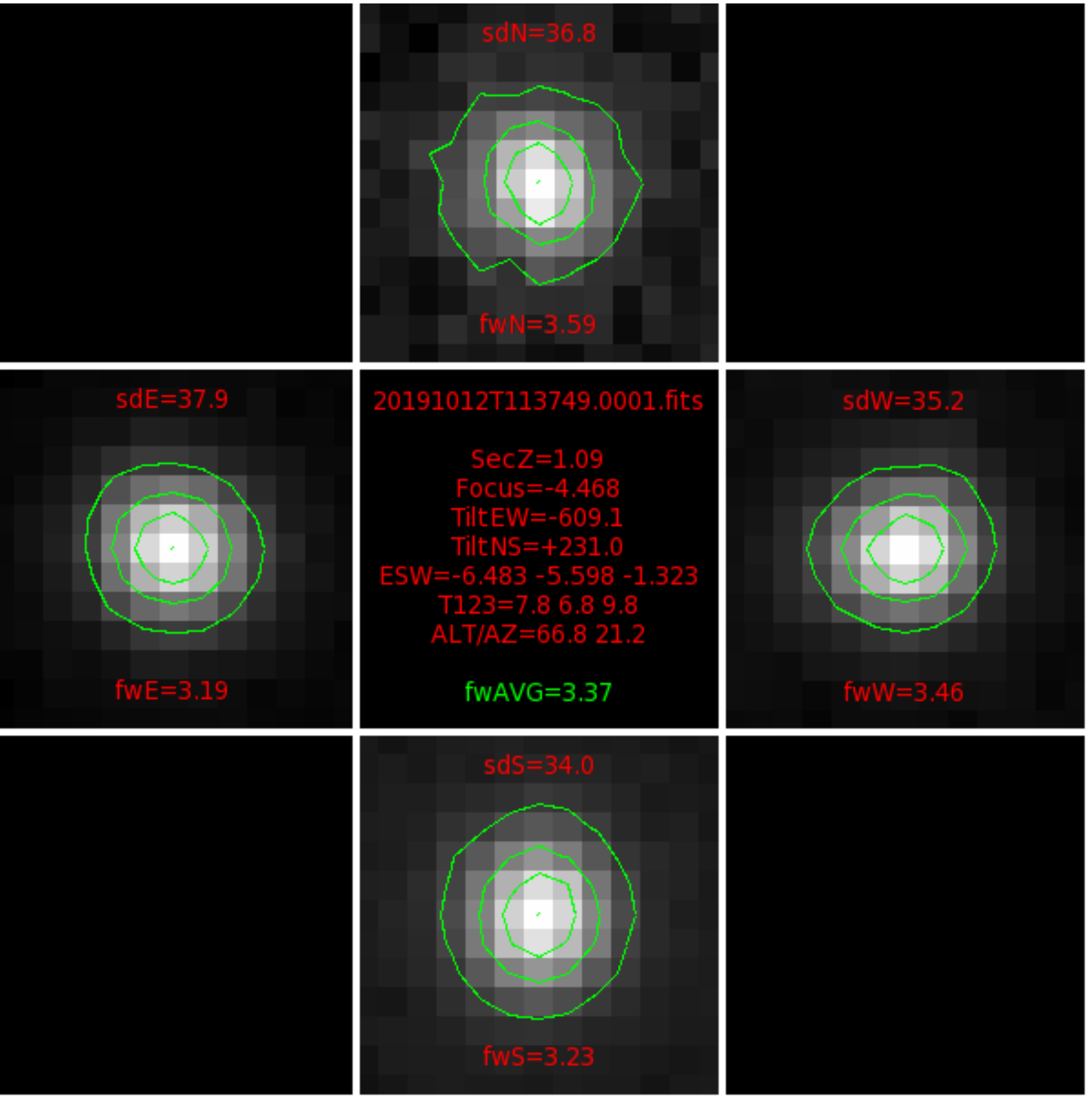
sdN=36.8
fwN=3.59
sdE=37.9
fwE=3.19
20191012T113749.0001.fits
SecZ=1.09
Focus=-4.468
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.483 -5.598 -1.323
T123=7.8 6.8 9.8
ALT/AZ=66.8 21.2
fwAVG=3.37
sdW=35.2
fwW=3.46
sdS=34.0
fwS=3.23
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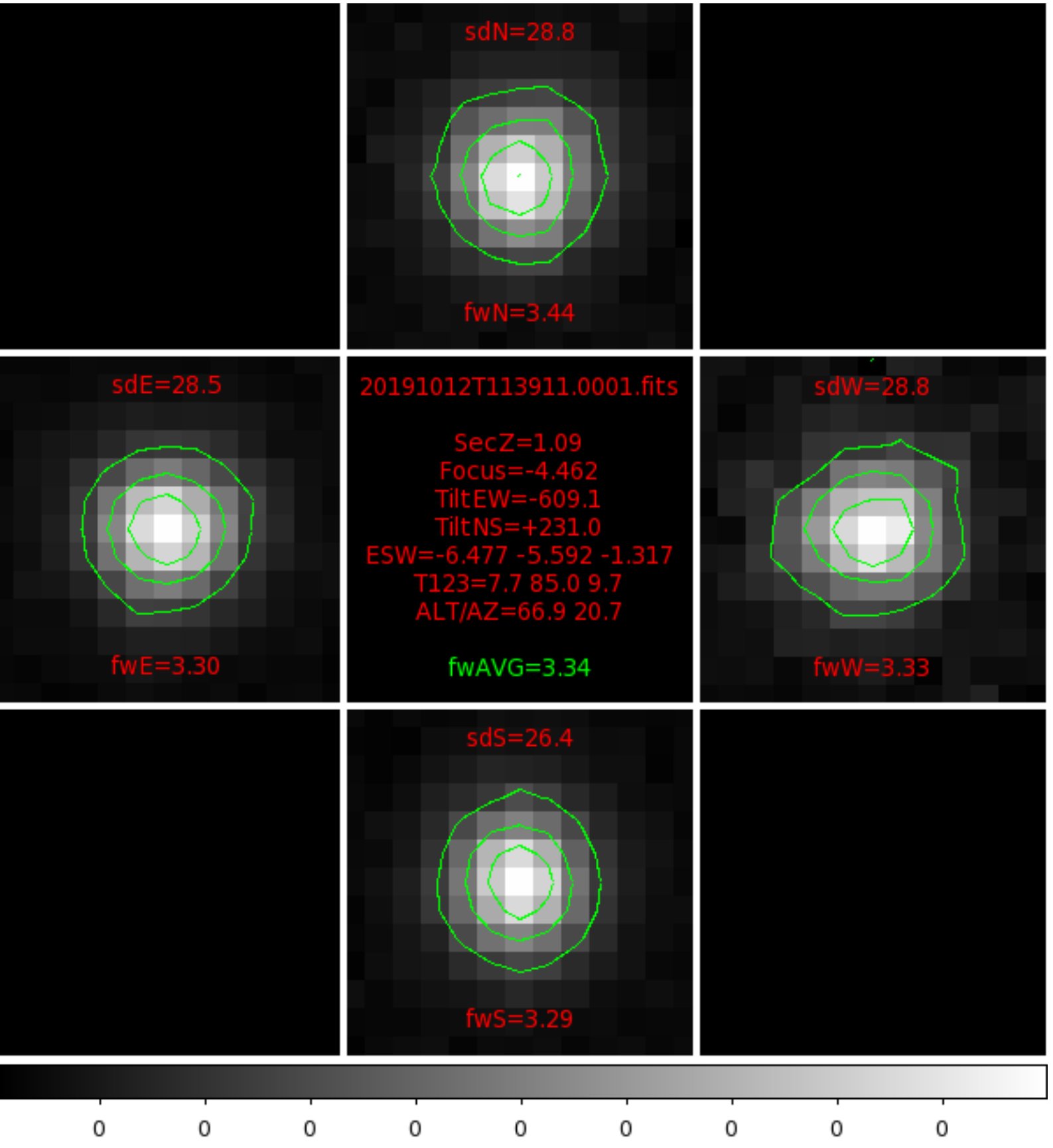
sdN=28.8
fwN=3.44
sdE=28.5
fwE=3.30
20191012T113911.0001.fits
SecZ=1.09
Focus=-4.462
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.477 -5.592 -1.317
T123=7.7 85.0 9.7
ALT/AZ=66.9 20.7
fwAVG=3.34
sdW=28.8
fwW=3.33
sdS=26.4
fwS=3.29
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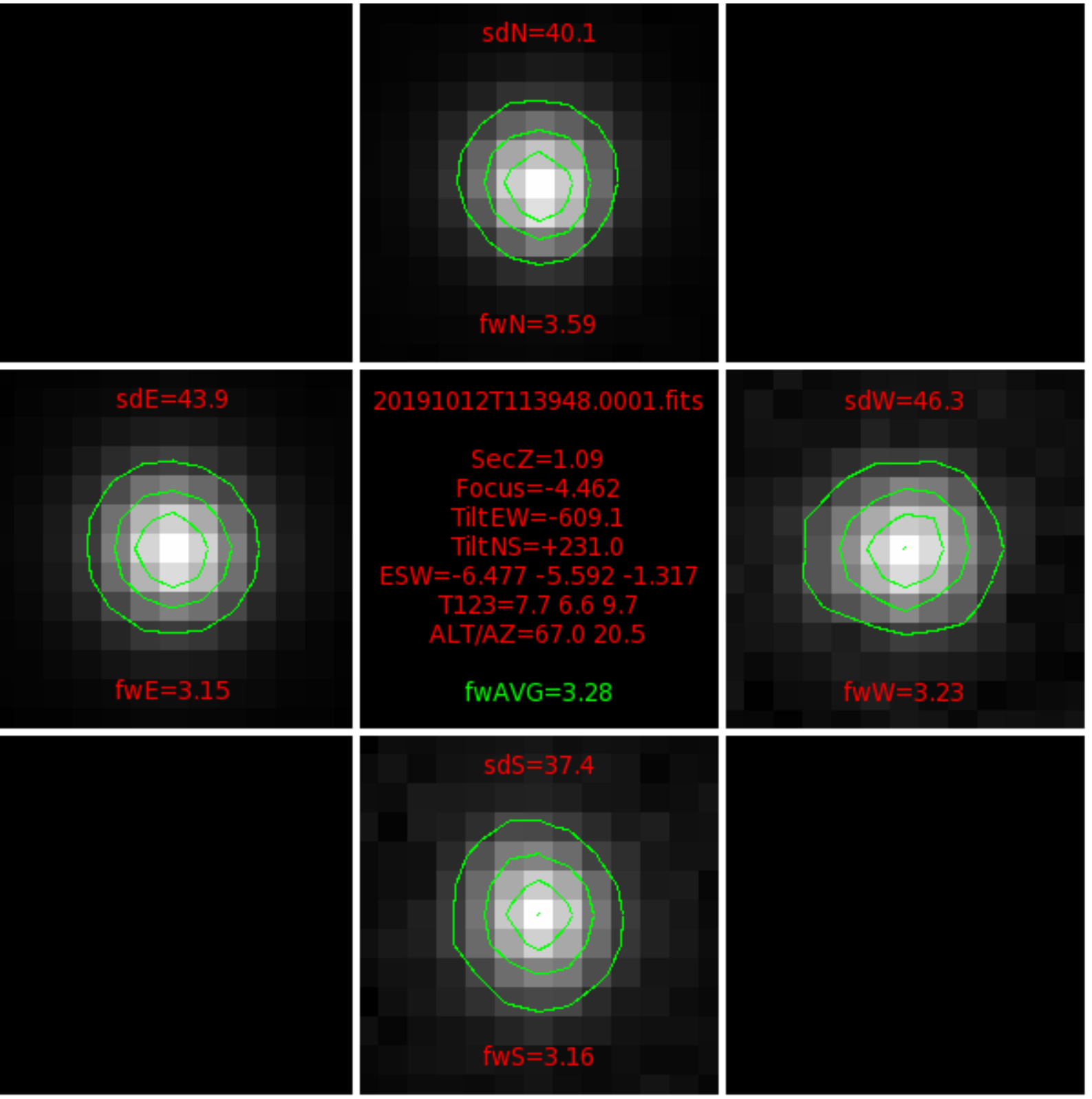
sdN=40.1
fwN=3.59
sdE=43.9
fwE=3.15
20191012T113948.0001.fits
SecZ=1.09
Focus=-4.462
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.477 -5.592 -1.317
T123=7.7 6.6 9.7
ALT/AZ=67.0 20.5
fwAVG=3.28
sdW=46.3
fwW=3.23
sdS=37.4
fwS=3.16
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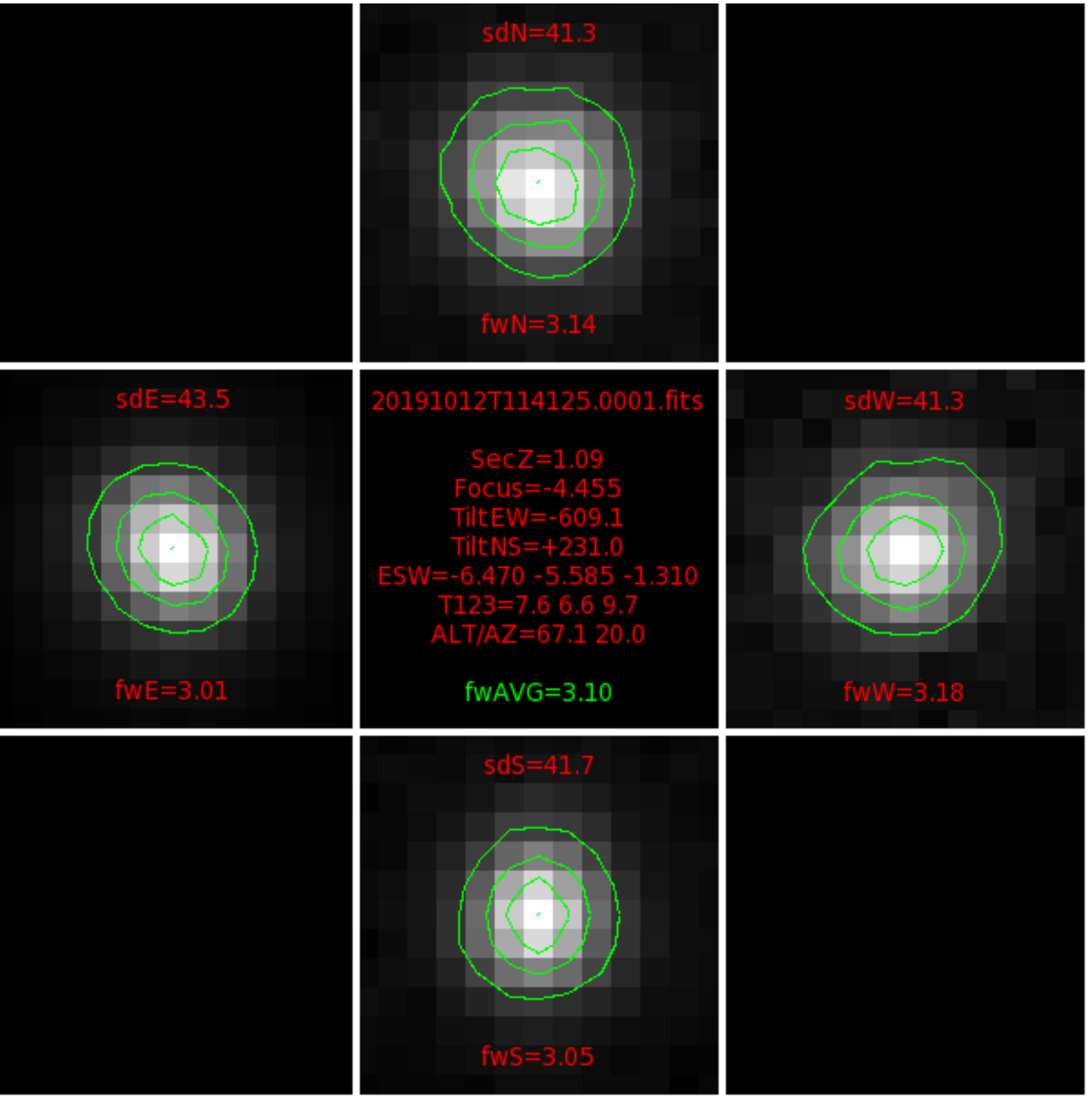
sdN=41.3
fwN=3.14
sdE=43.5
fwE=3.01
20191012T114125.0001.fits
SecZ=1.09
Focus=-4.455
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.470 -5.585 -1.310
T123=7.6 6.6 9.7
ALT/AZ=67.1 20.0
fwAVG=3.10
sdW=41.3
fwW=3.18
sdS=41.7
fwS=3.05
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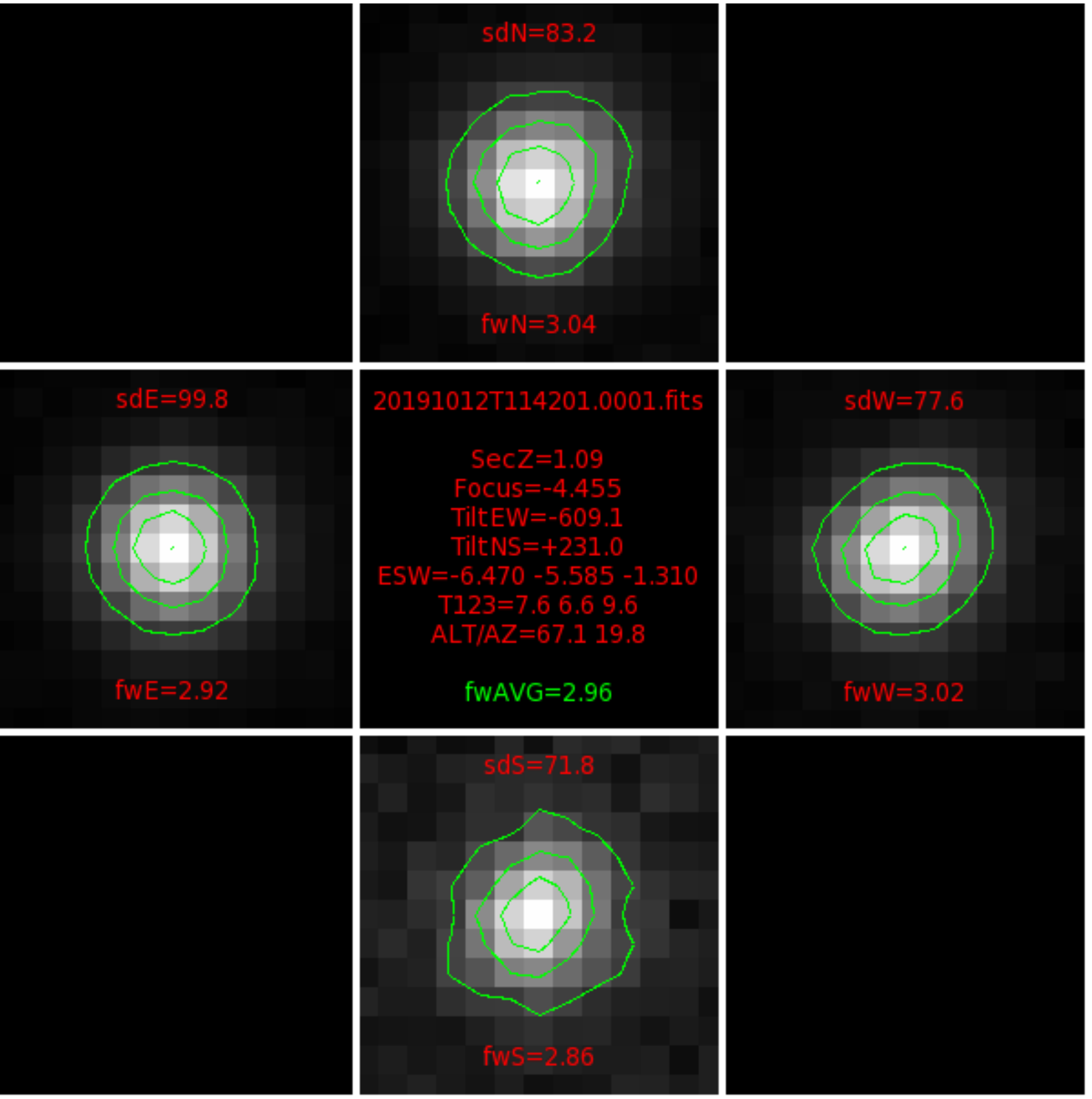
sdN=83.2
fwN=3.04
sdE=99.8
fwE=2.92
20191012T114201.0001.fits
SecZ=1.09
Focus=-4.455
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.470 -5.585 -1.310
T123=7.6 6.6 9.6
ALT/AZ=67.1 19.8
fwAVG=2.96
sdW=77.6
fwW=3.02
sdS=71.8
fwS=2.86
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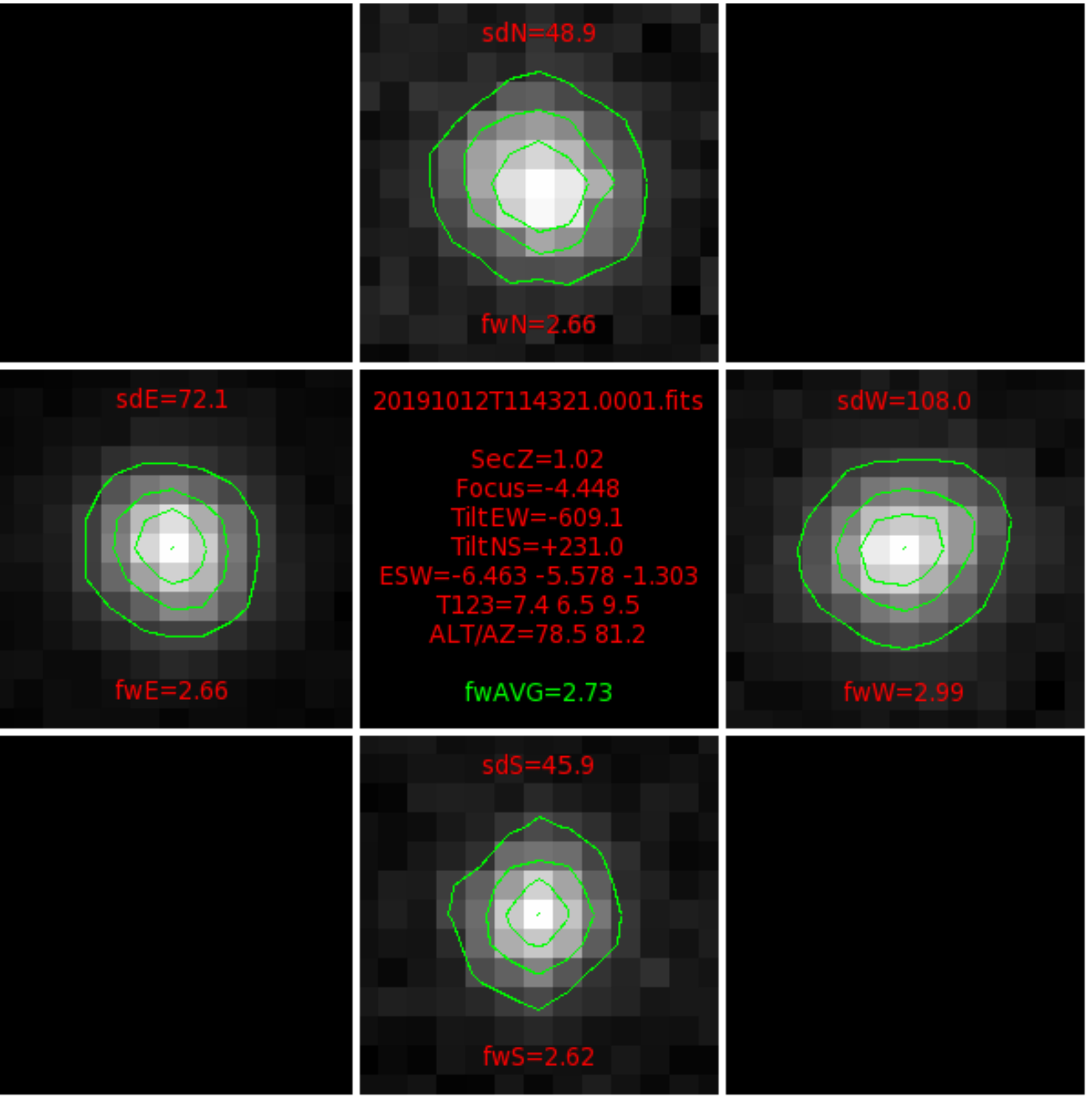
sdN=48.9
fwN=2.66
sdE=72.1
fwE=2.66
20191012T114321.0001.fits
SecZ=1.02
Focus=-4.448
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.463 -5.578 -1.303
T123=7.4 6.5 9.5
ALT/AZ=78.5 81.2
fwAVG=2.73
sdW=108.0
fwW=2.99
sdS=45.9
fwS=2.62
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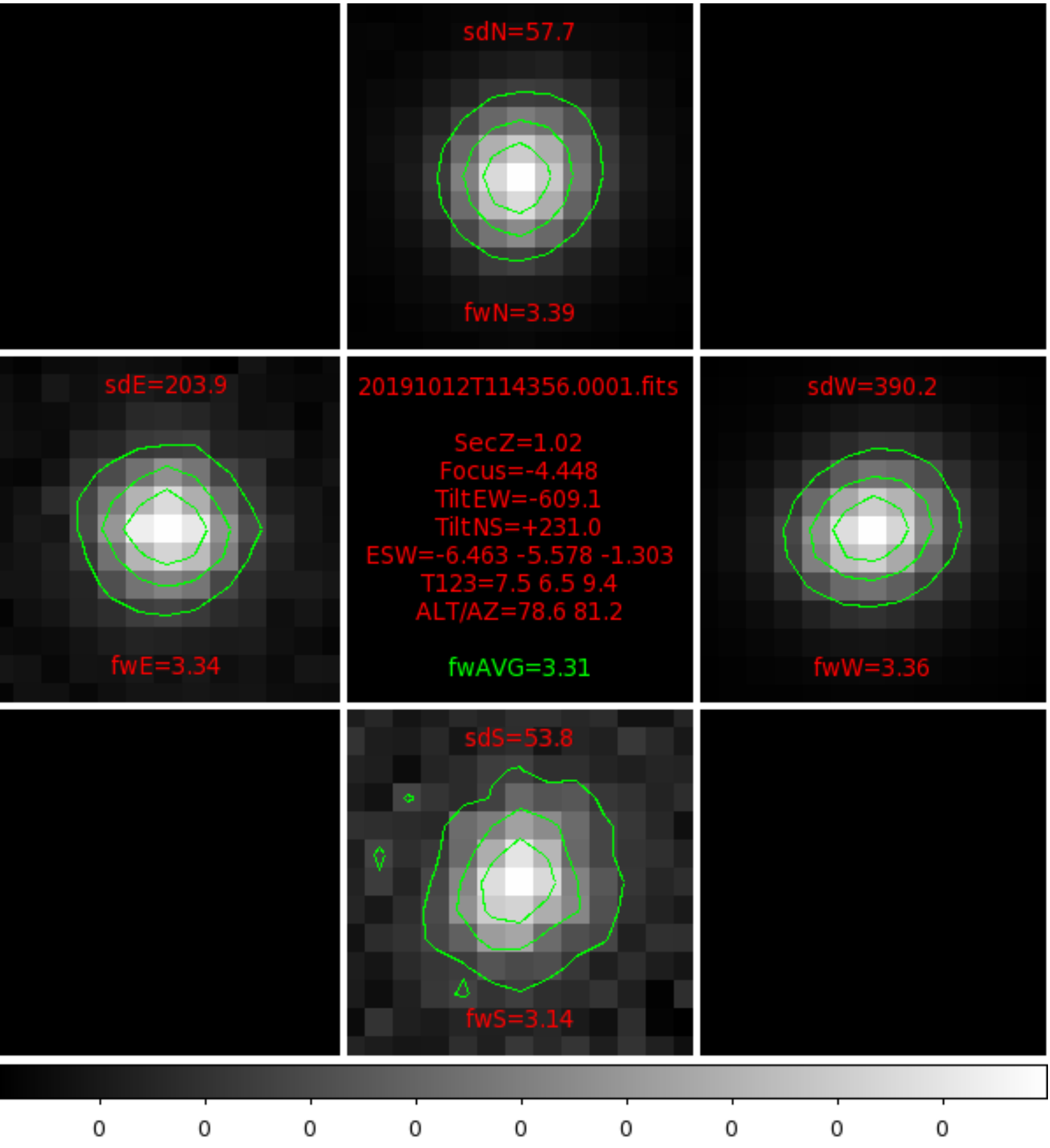
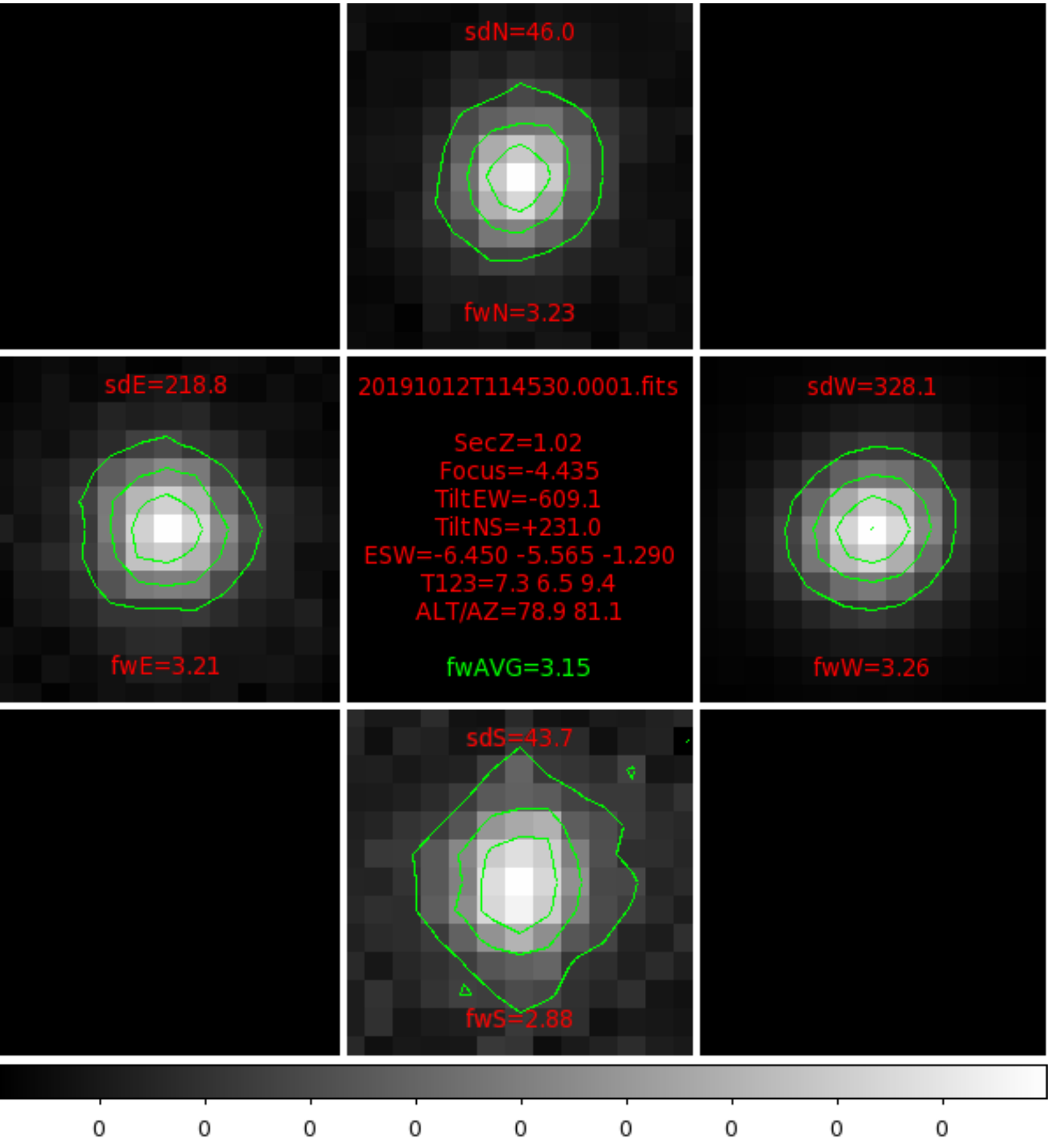

sdN=57.7
fwN=3.39
sdE=203.9
fwE=3.34
20191012T114356.0001.fits
SecZ=1.02
Focus=-4.448
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.463 -5.578 -1.303
T123=7.5 6.5 9.4
ALT/AZ=78.6 81.2
fwAVG=3.31
sdW=390.2
fwW=3.36
sdS=53.8
fwS=3.14
0 0 0 0 0 0 0 0 0


sdN=46.0
fwN=3.23
sdE=218.8
fwE=3.21
20191012T114530.0001.fits
SecZ=1.02
Focus=-4.435
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.450 -5.565 -1.290
T123=7.3 6.5 9.4
ALT/AZ=78.9 81.1
fwAVG=3.15
sdW=328.1
fwW=3.26
sdS=43.7
fwS=2.88
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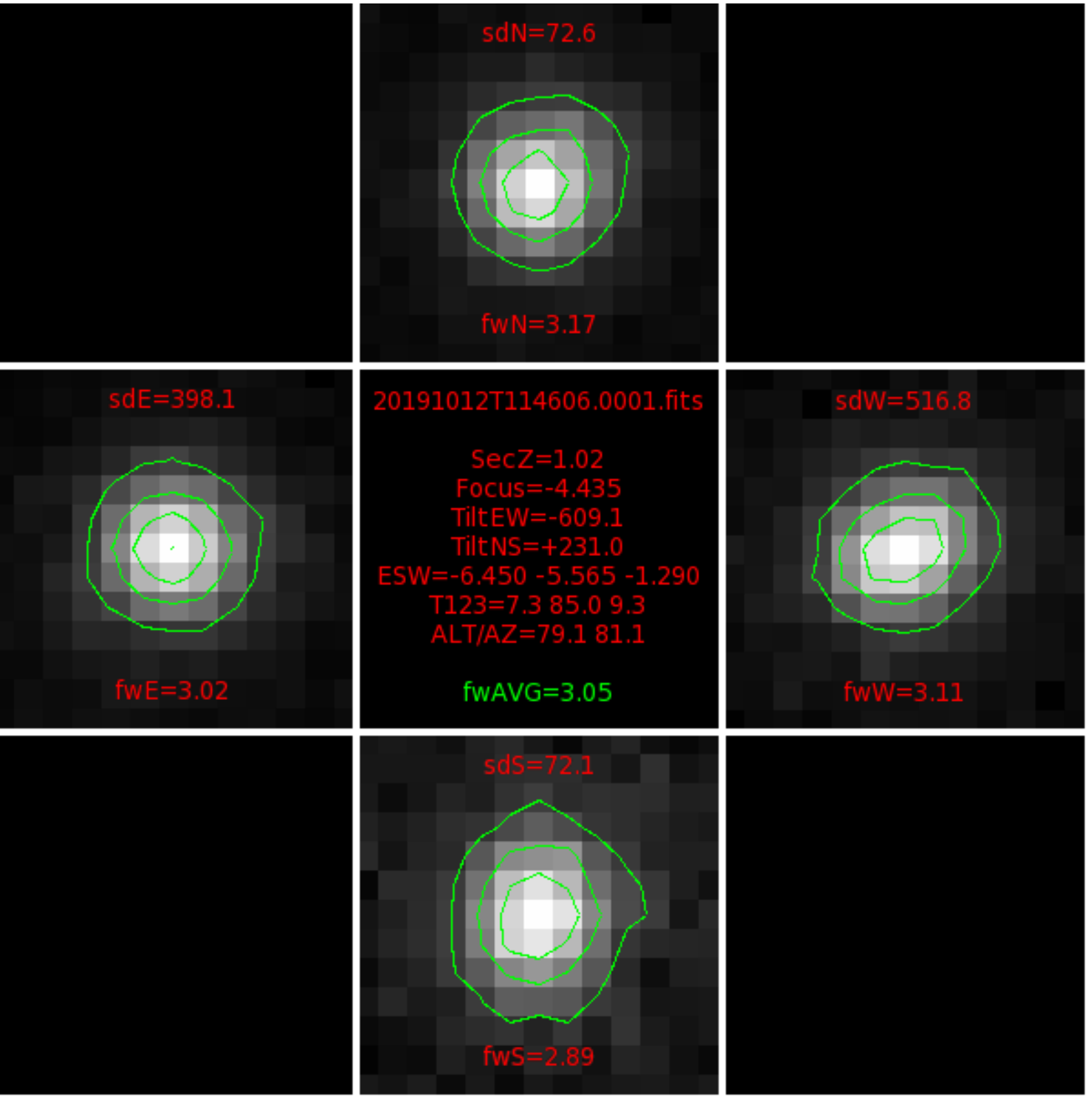
sdN=72.6
fwN=3.17
sdE=398.1
fwE=3.02
20191012T114606.0001.fits
SecZ=1.02
Focus=-4.435
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.450 -5.565 -1.290
T123=7.3 85.0 9.3
ALT/AZ=79.1 81.1
fwAVG=3.05
sdW=516.8
fwW=3.11
sdS=72.1
fwS=2.89
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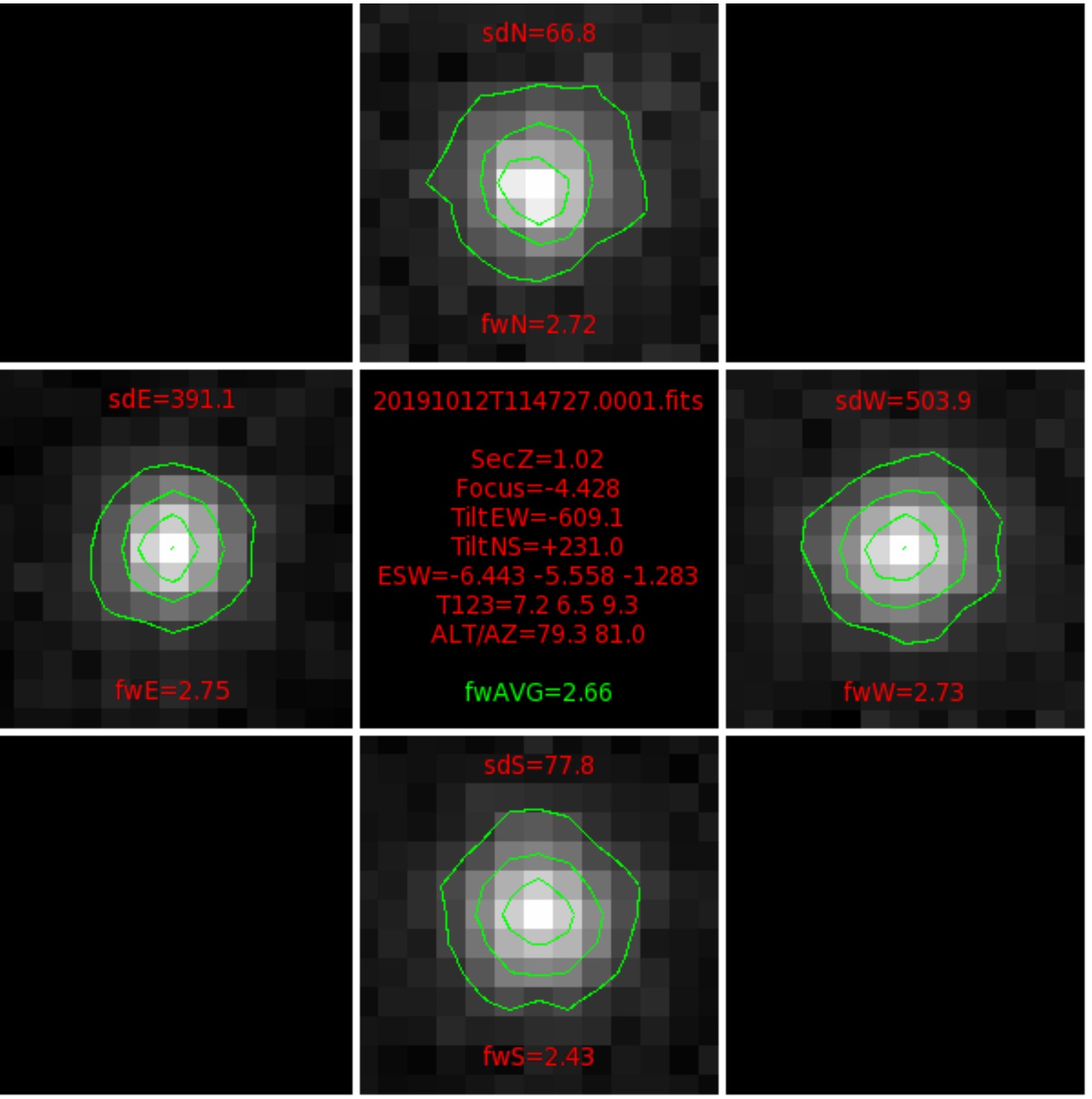
sdN=66.8
fwN=2.72
sdE=391.1
fwE=2.75
20191012T114727.0001.fits
SecZ=1.02
Focus=-4.428
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.443 -5.558 -1.283
T123=7.2 6.5 9.3
ALT/AZ=79.3 81.0
fwAVG=2.66
sdW=503.9
fwW=2.73
sdS=77.8
fwS=2.43
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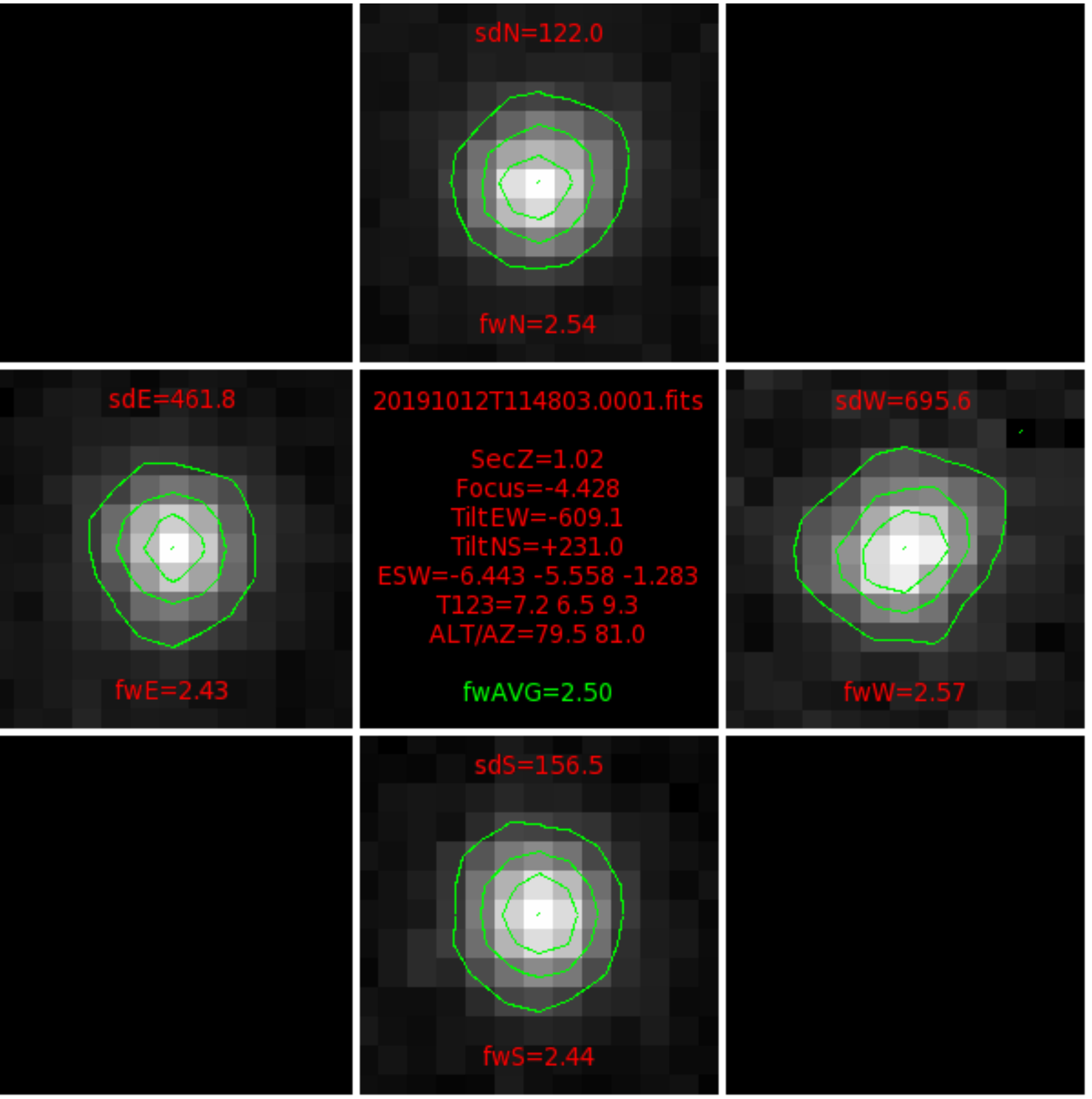
sdN=122.0
fwN=2.54
sdE=461.8
fwE=2.43
20191012T114803.0001.fits
SecZ=1.02
Focus=-4.428
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.443 -5.558 -1.283
T123=7.2 6.5 9.3
ALT/AZ=79.5 81.0
fwAVG=2.50
sdW=695.6
fwW=2.57
sdS=156.5
fwS=2.44
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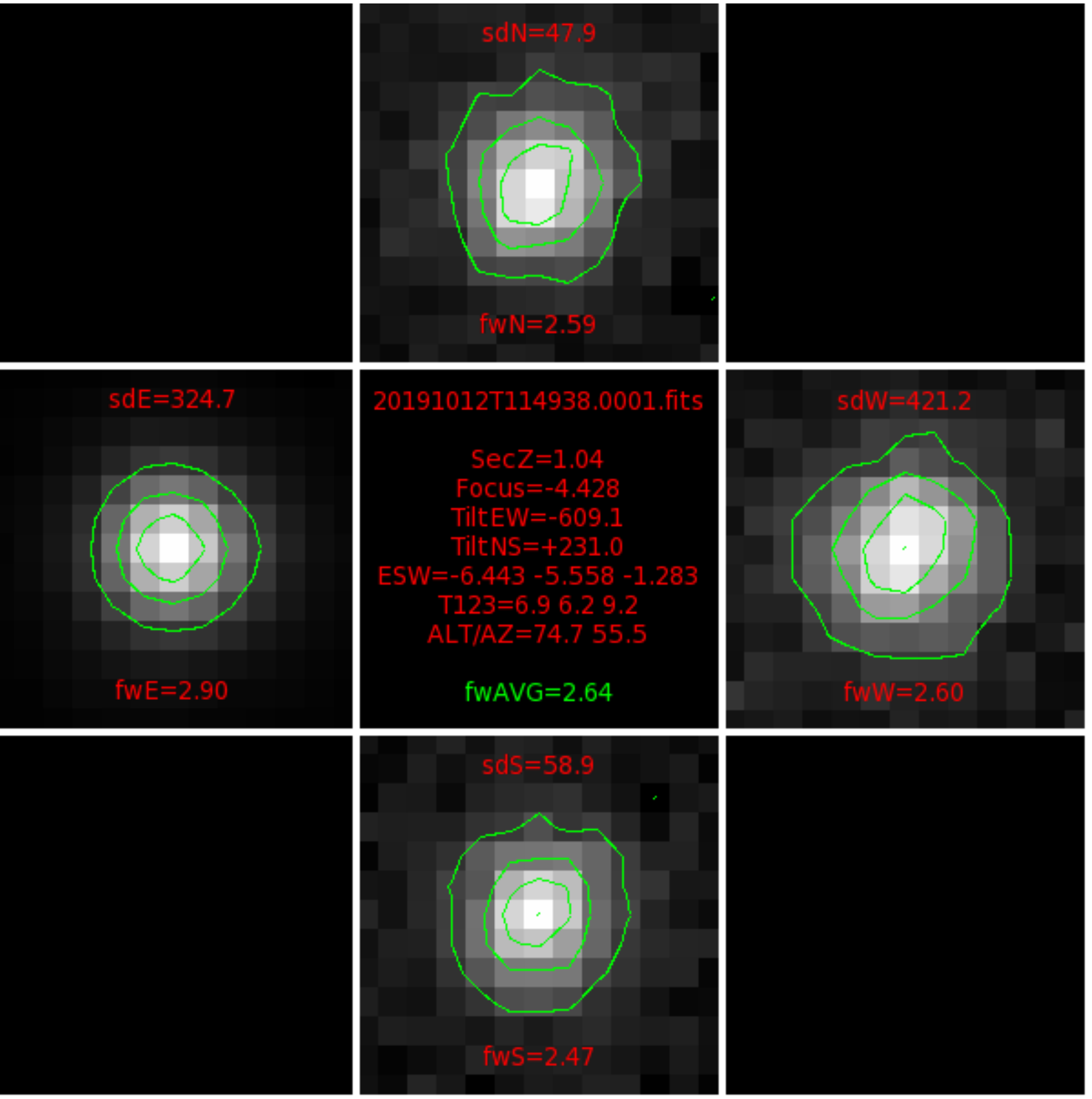
sdN=47.9
fwN=2.59
sdE=324.7
fwE=2.90
20191012T114938.0001.fits
SecZ=1.04
Focus=-4.428
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.443 -5.558 -1.283
T123=6.9 6.2 9.2
ALT/AZ=74.7 55.5
fwAVG=2.64
sdW=421.2
fwW=2.60
sdS=58.9
fwS=2.47
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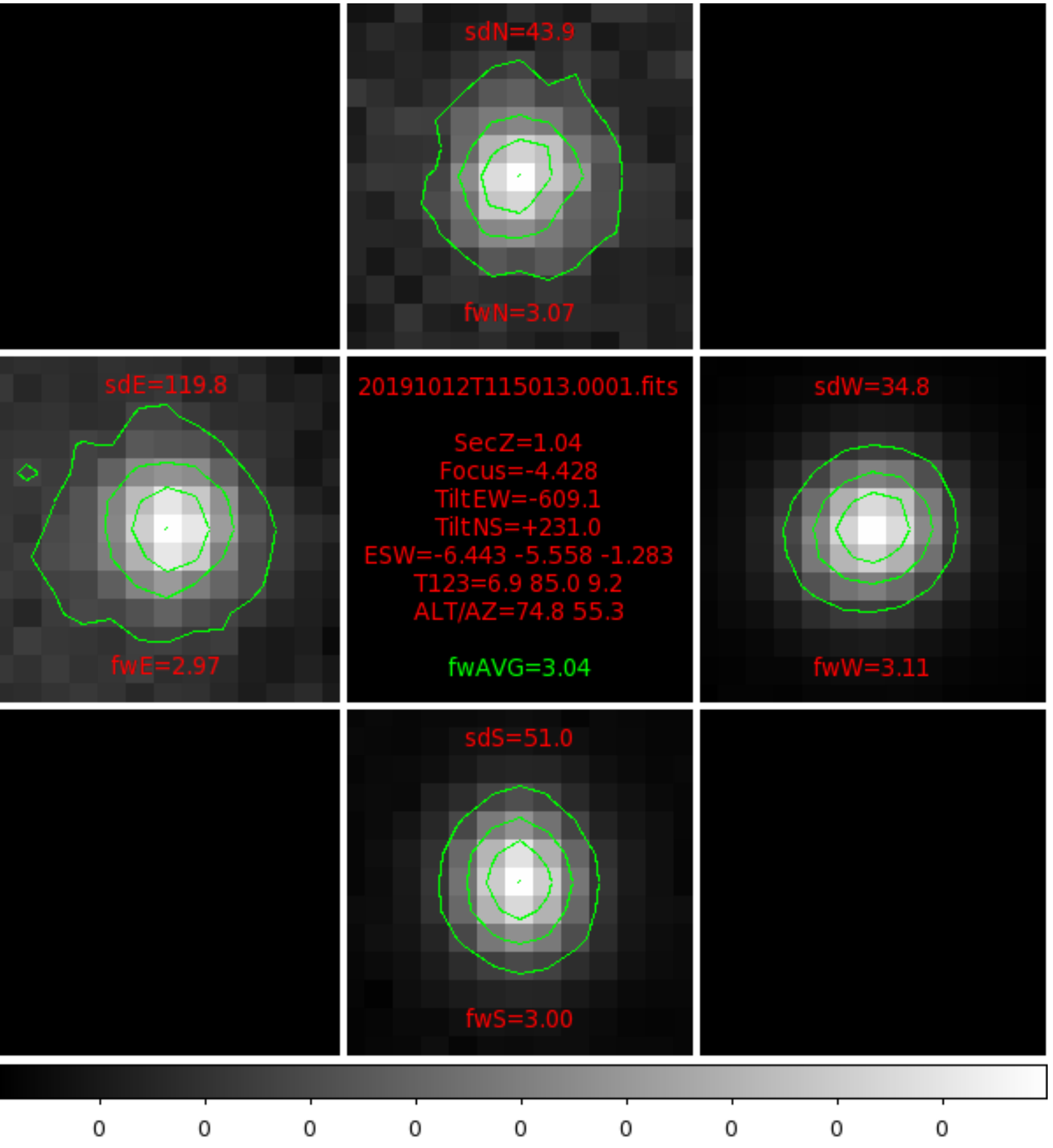
sdN=43.9
fwN=3.07
sdE=119.8
fwE=2.97
20191012T115013.0001.fits
SecZ=1.04
Focus=-4.428
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.443 -5.558 -1.283
T123=6.9 85.0 9.2
ALT/AZ=74.8 55.3
fwAVG=3.04
sdW=34.8
fwW=3.11
sdS=51.0
fwS=3.00
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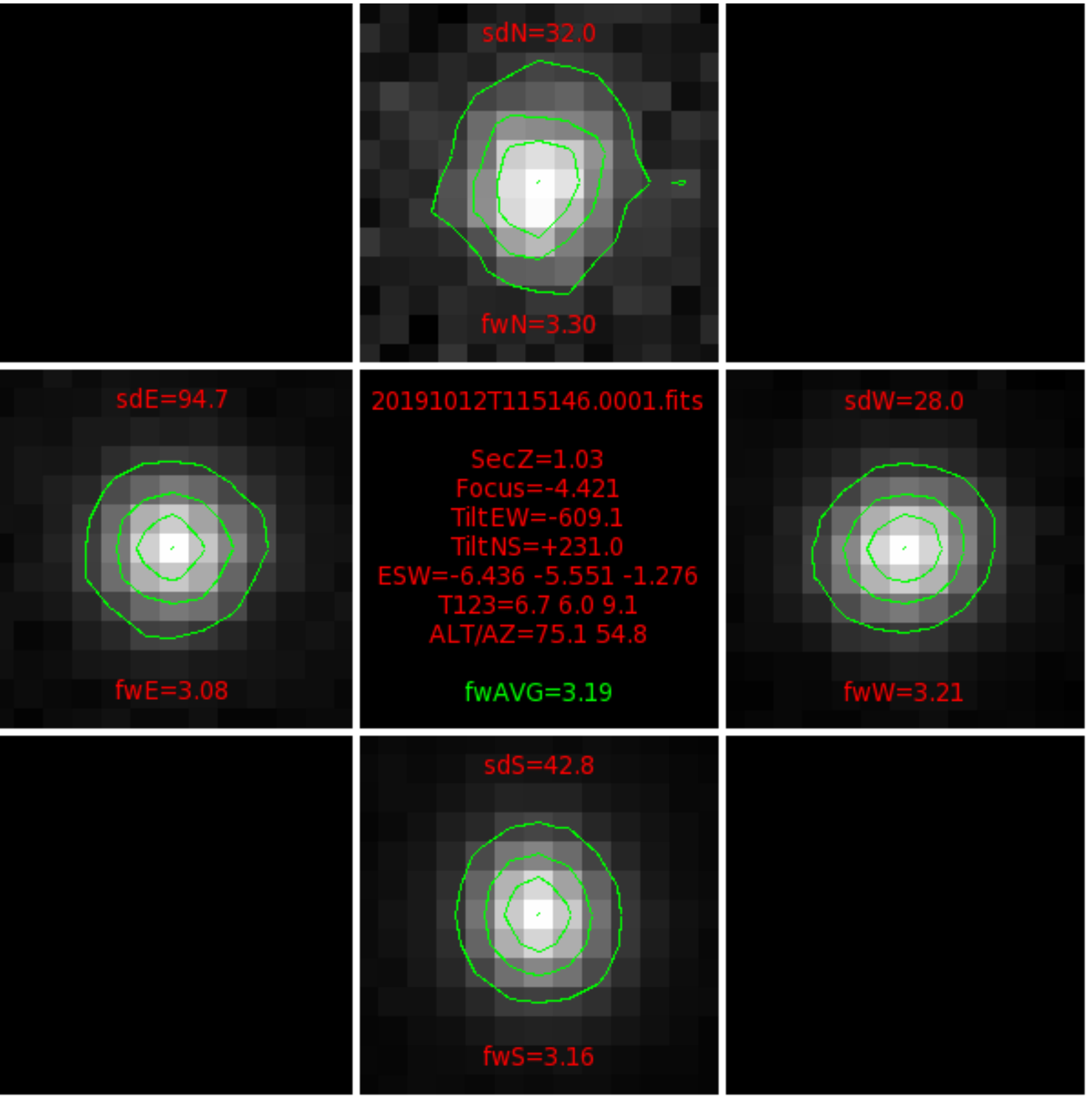
sdN=32.0
fwN=3.30
sdE=94.7
fwE=3.08
20191012T115146.0001.fits
SecZ=1.03
Focus=-4.421
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.436 -5.551 -1.276
T123=6.7 6.0 9.1
ALT/AZ=75.1 54.8
fwAVG=3.19
sdW=28.0
fwW=3.21
sdS=42.8
fwS=3.16
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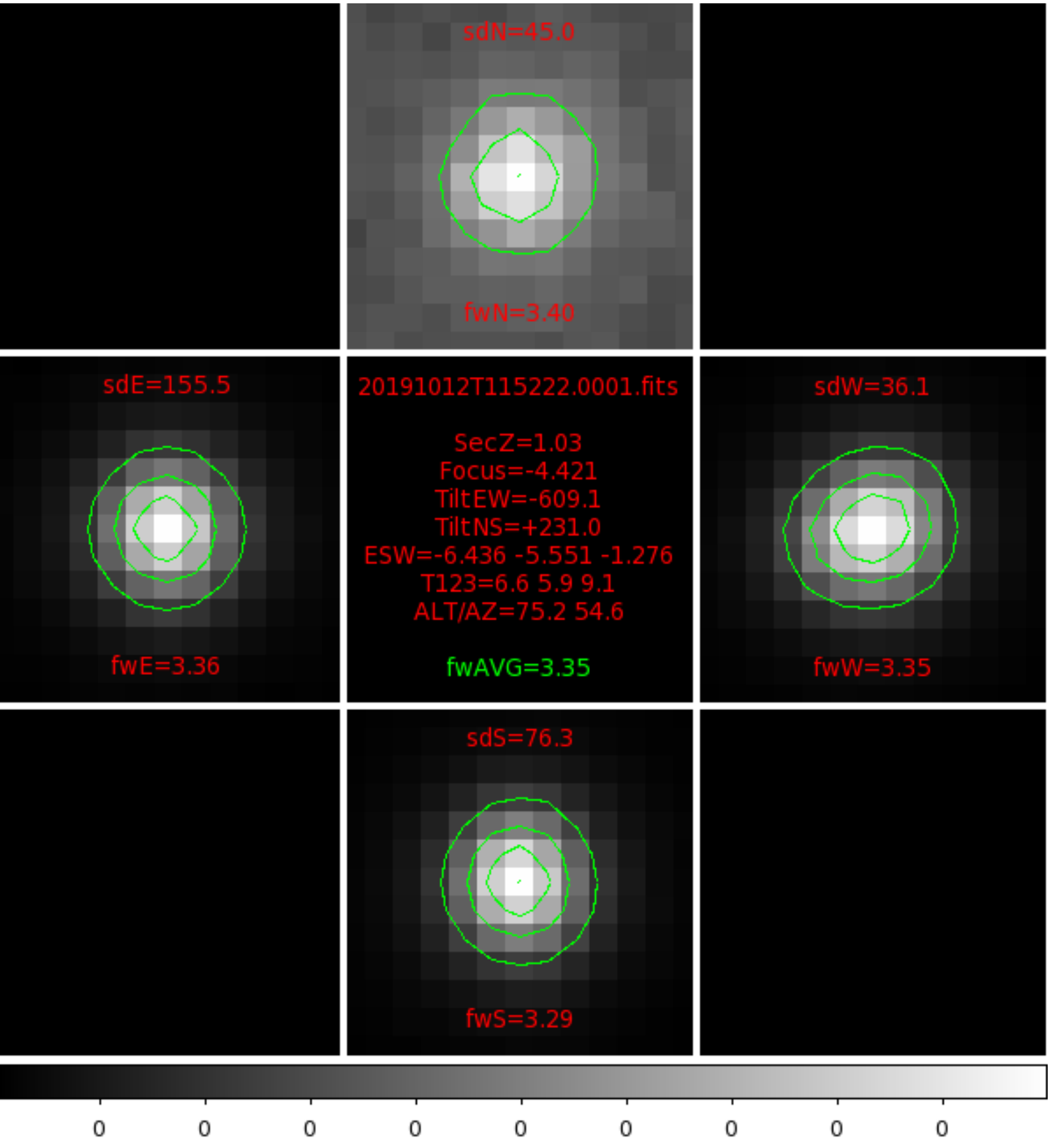
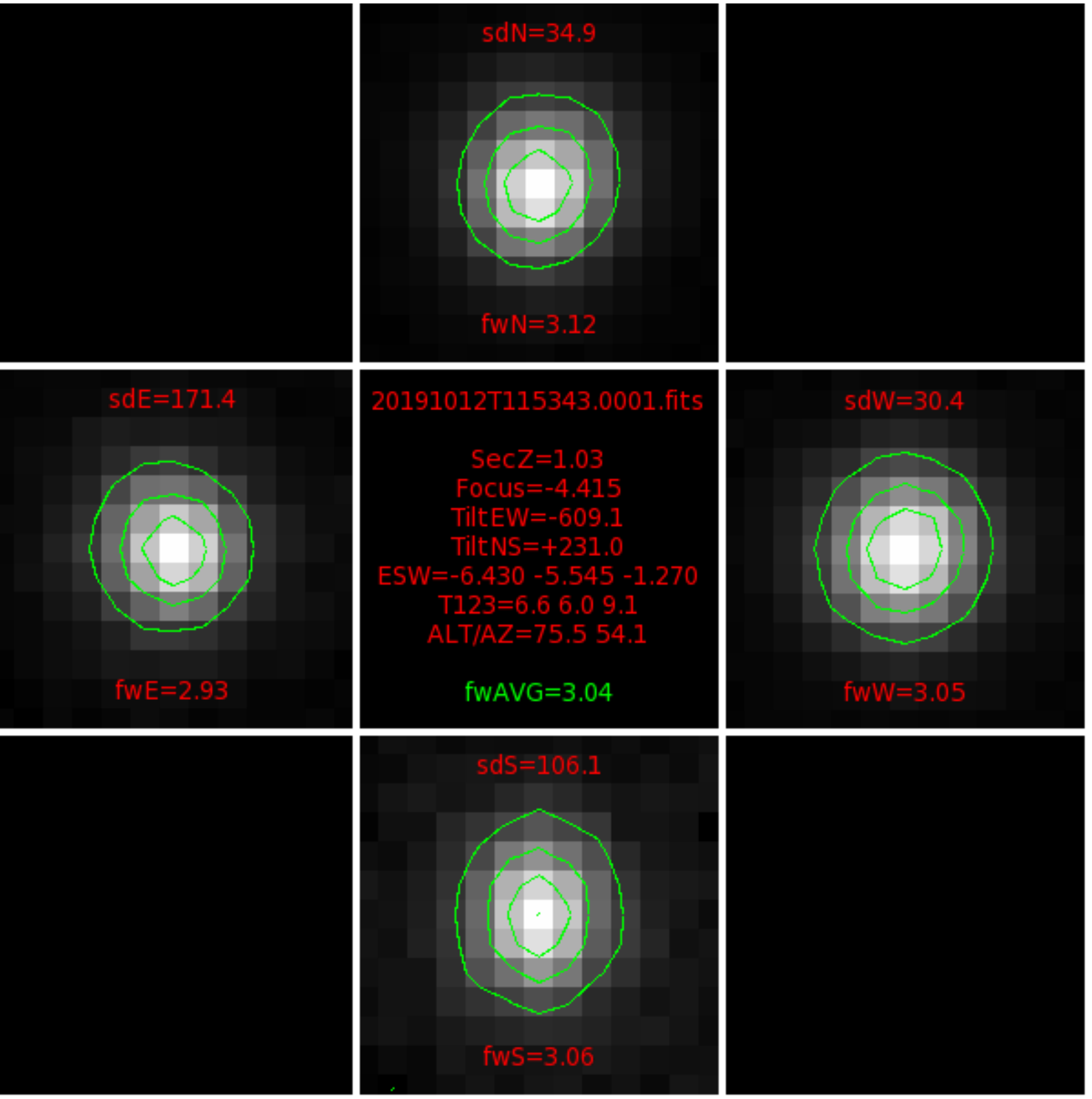

sdN=45.0
fwN=3.40
sdE=155.5
fwE=3.36
20191012T115222.0001.fits
SecZ=1.03
Focus=-4.421
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.436 -5.551 -1.276
T123=6.6 5.9 9.1
ALT/AZ=75.2 54.6
fwAVG=3.35
sdW=36.1
fwW=3.35
sdS=76.3
fwS=3.29
0 0 0 0 0 0 0 0 0


sdN=34.9
fwN=3.12
sdE=171.4
fwE=2.93
20191012T115343.0001.fits
SecZ=1.03
Focus=-4.415
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.430 -5.545 -1.270
T123=6.6 6.0 9.1
ALT/AZ=75.5 54.1
fwAVG=3.04
sdW=30.4
fwW=3.05
sdS=106.1
fwS=3.06
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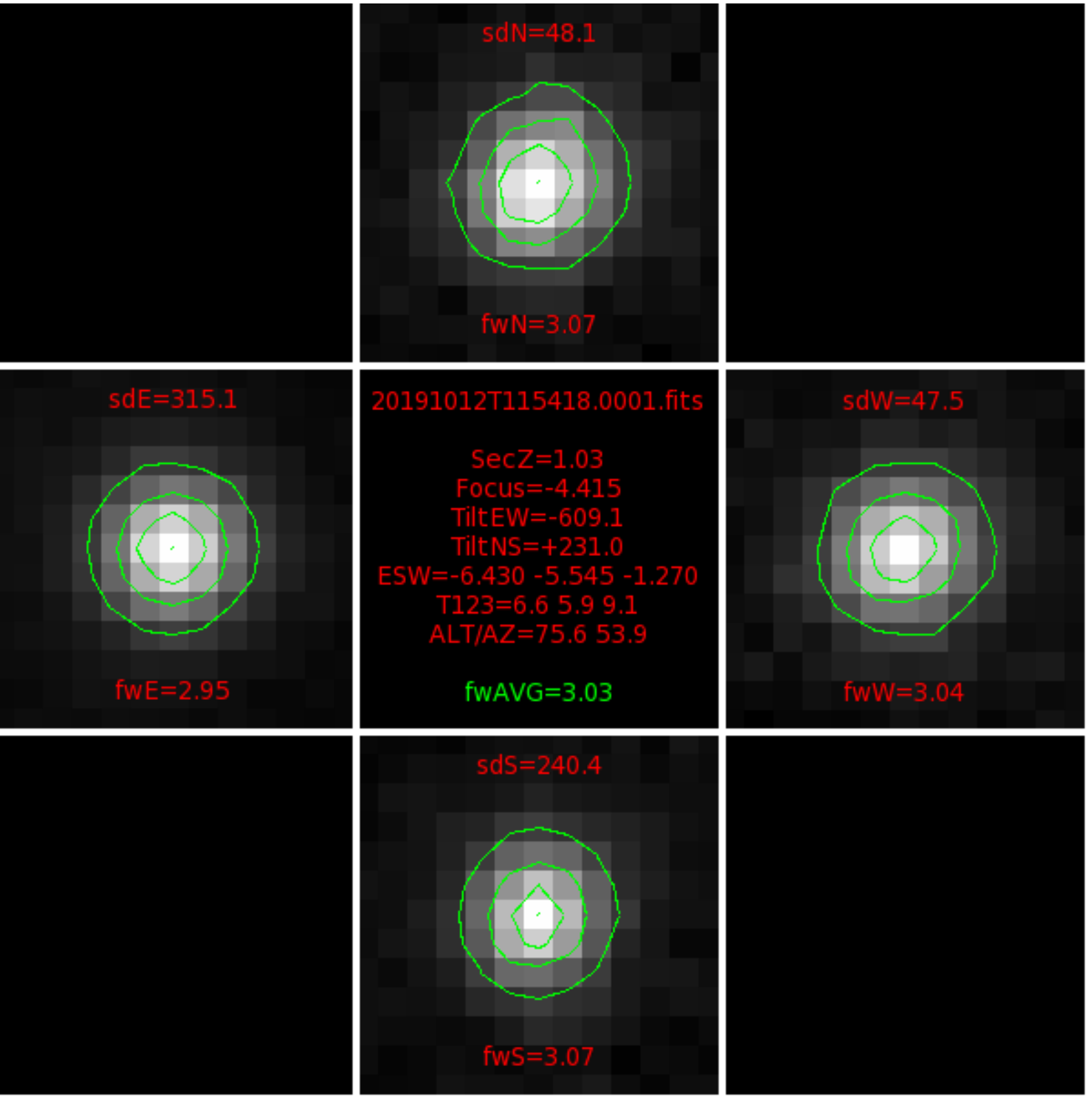
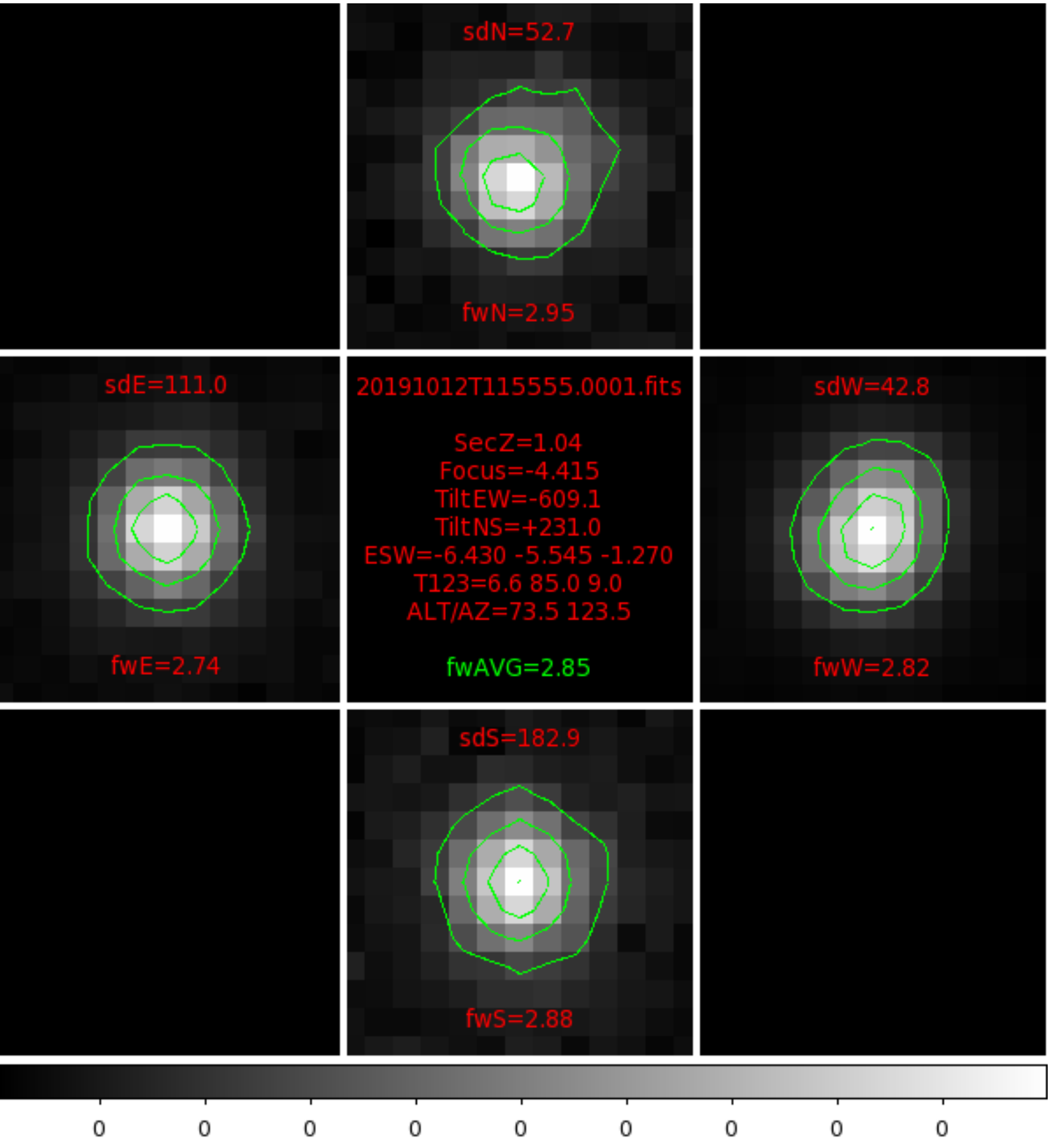

sdN=48.1
fwN=3.07
sdE=315.1
fwE=2.95
20191012T115418.0001.fits
SecZ=1.03
Focus=-4.415
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.430 -5.545 -1.270
T123=6.6 5.9 9.1
ALT/AZ=75.6 53.9
fwAVG=3.03
sdW=47.5
fwW=3.04
sdS=240.4
fwS=3.07
0 0 0 0 0 0 0 0 0


sdN=52.7
fwN=2.95
sdE=111.0
fwE=2.74
20191012T115555.0001.fits
SecZ=1.04
Focus=-4.415
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.430 -5.545 -1.270
T123=6.6 85.0 9.0
ALT/AZ=73.5 123.5
fwAVG=2.85
sdW=42.8
fwW=2.82
sdS=182.9
fwS=2.88
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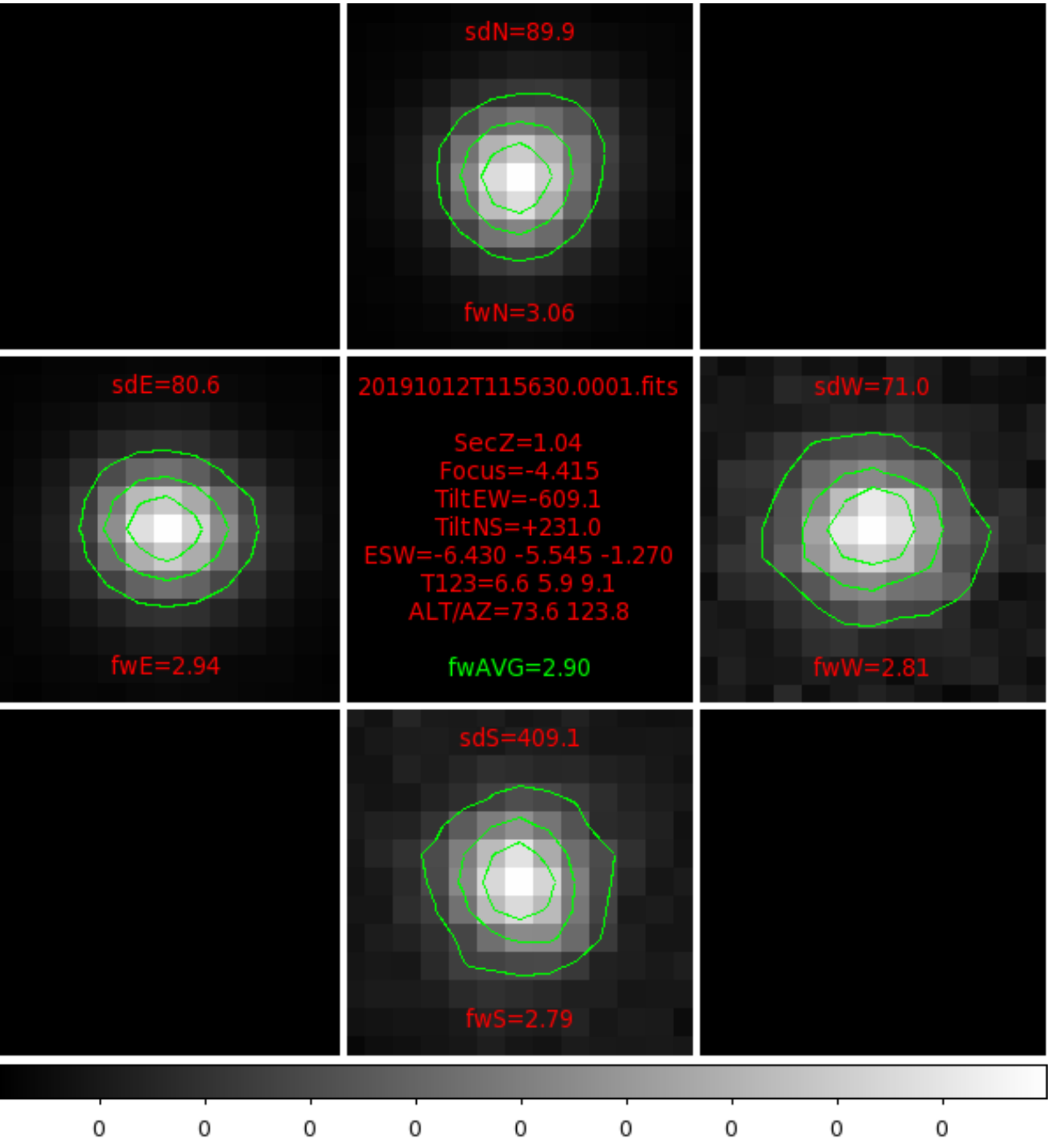
sdN=89.9
fwN=3.06
sdE=80.6
fwE=2.94
20191012T115630.0001.fits
SecZ=1.04
Focus=-4.415
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.430 -5.545 -1.270
T123=6.6 5.9 9.1
ALT/AZ=73.6 123.8
fwAVG=2.90
sdW=71.0
fwW=2.81
sdS=409.1
fwS=2.79
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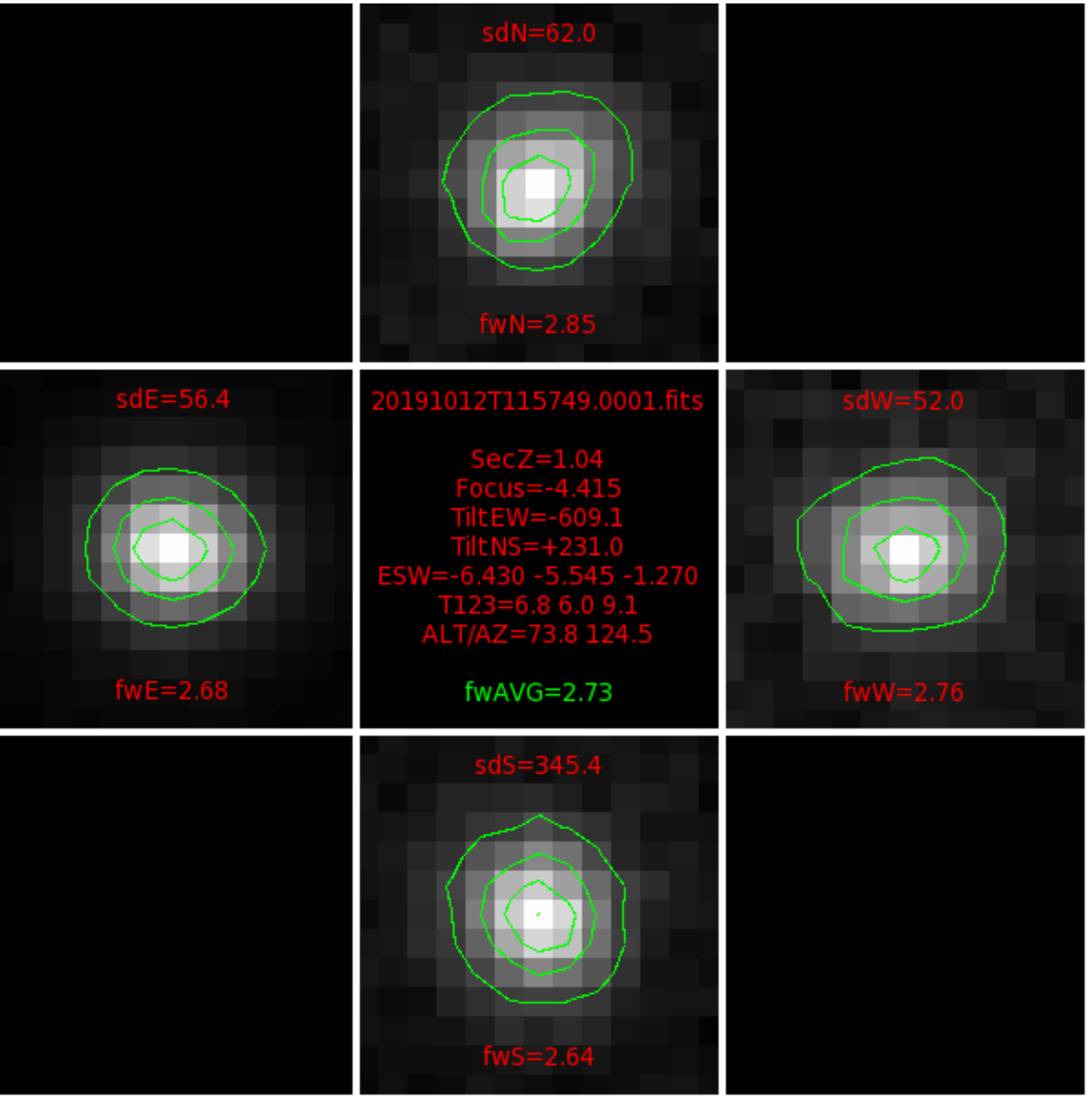
sdN=62.0
fwN=2.85
sdE=56.4
fwE=2.68
20191012T115749.0001.fits
SecZ=1.04
Focus=-4.415
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.430 -5.545 -1.270
T123=6.8 6.0 9.1
ALT/AZ=73.8 124.5
fwAVG=2.73
sdW=52.0
fwW=2.76
sdS=345.4
fwS=2.64
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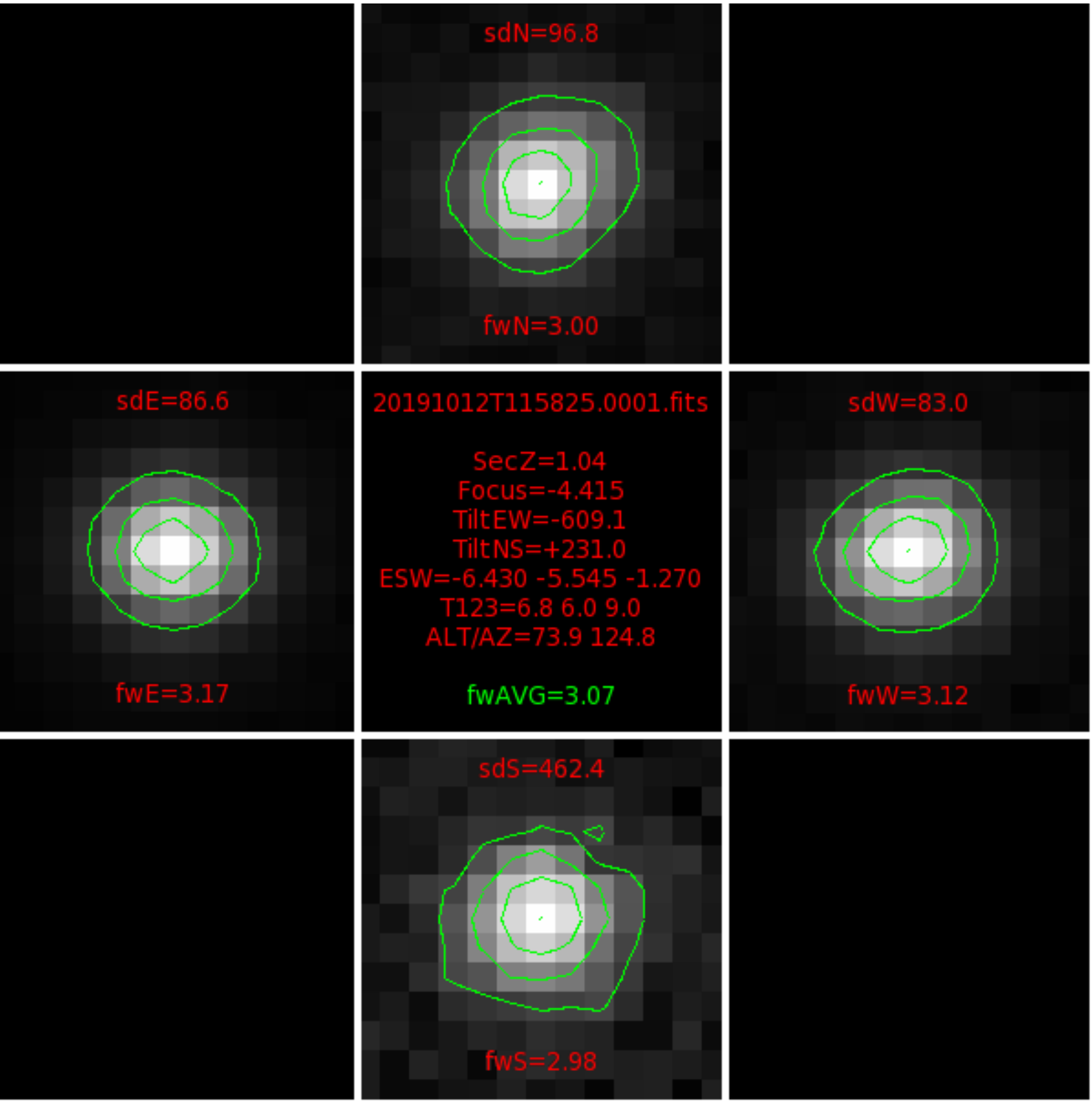
sdN=96.8
fwN=3.00
sdE=86.6
fwE=3.17
20191012T115825.0001.fits
SecZ=1.04
Focus=-4.415
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.430 -5.545 -1.270
T123=6.8 6.0 9.0
ALT/AZ=73.9 124.8
fwAVG=3.07
sdW=83.0
fwW=3.12
sdS=462.4
fwS=2.98
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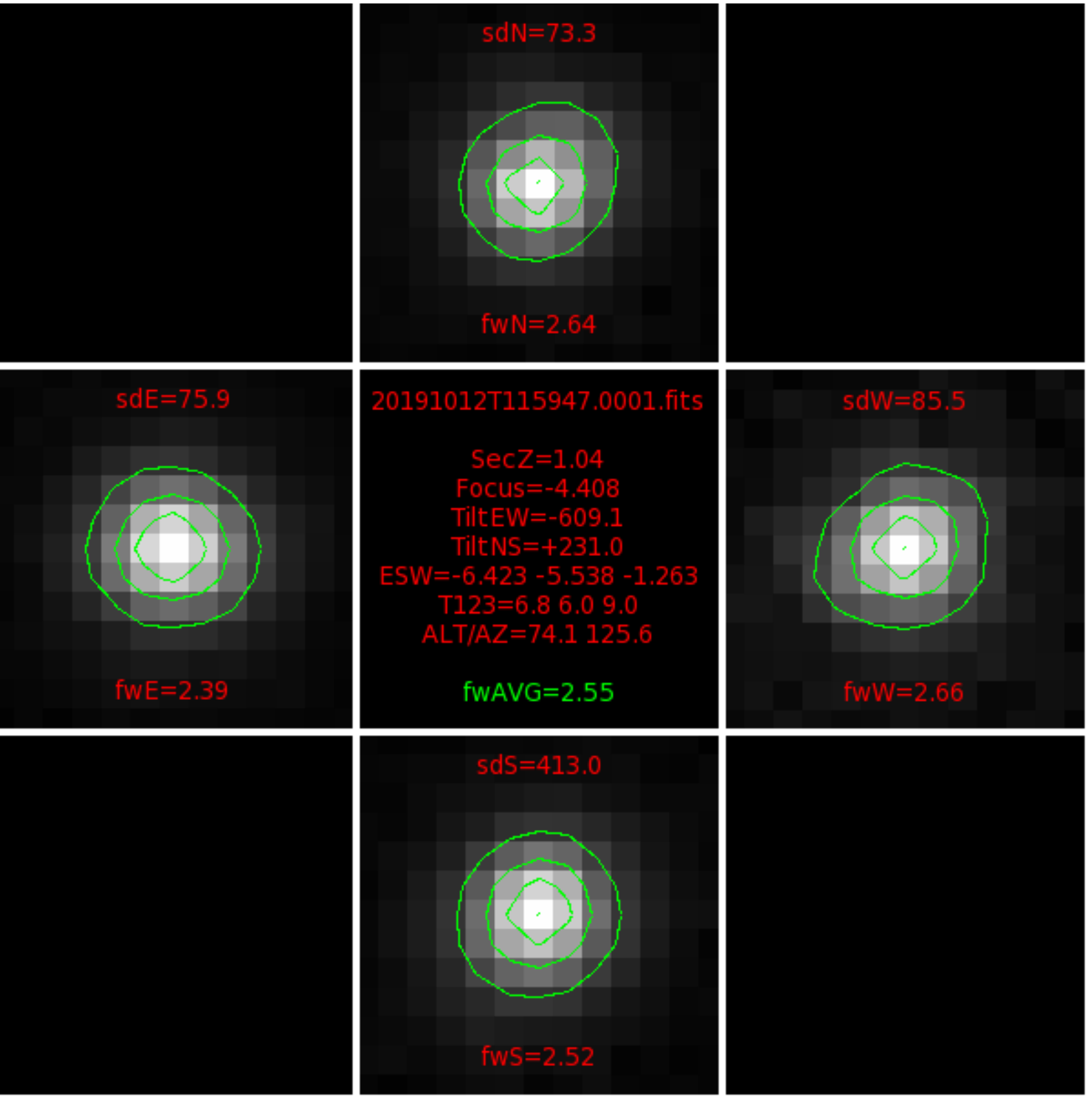
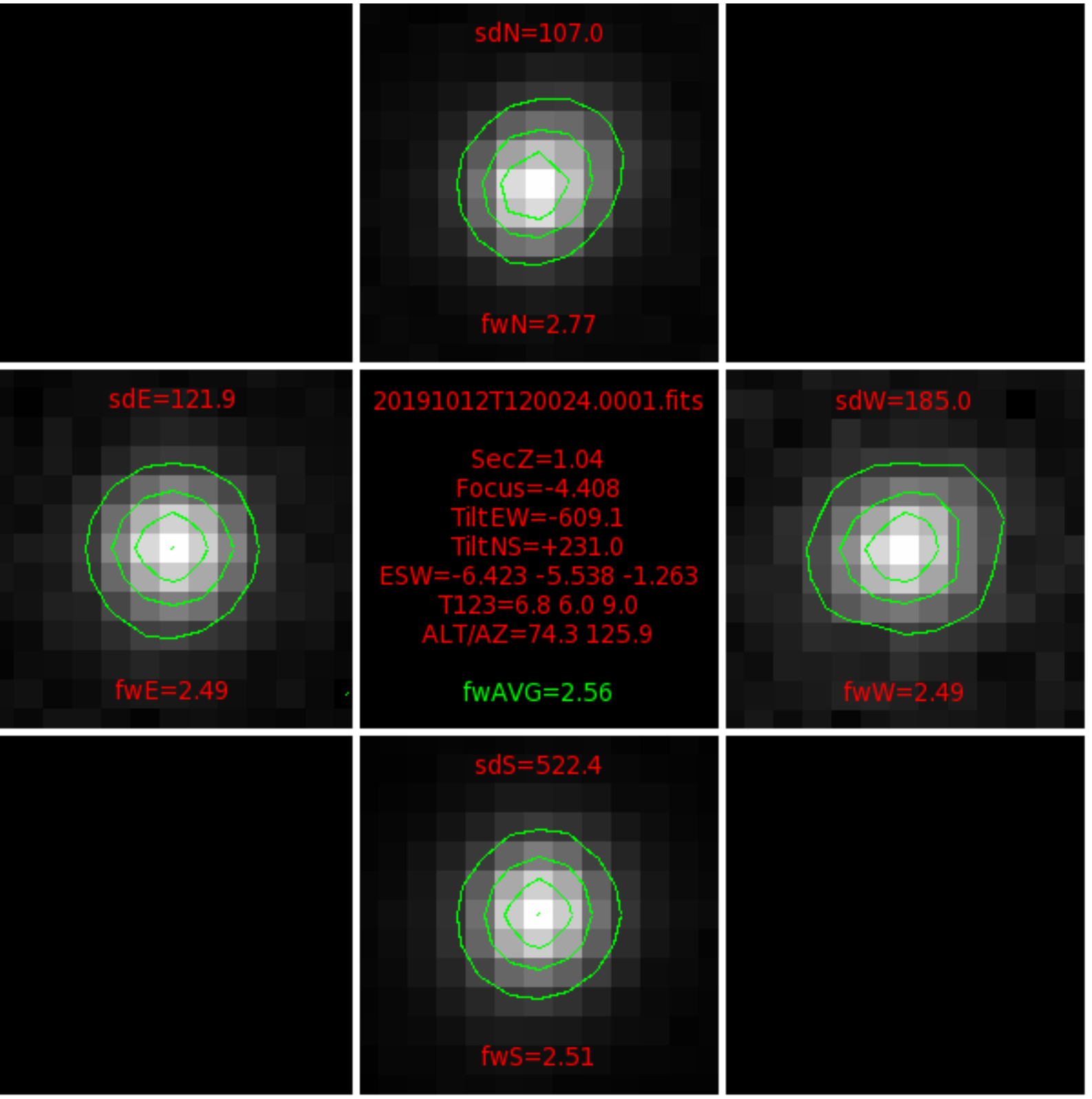
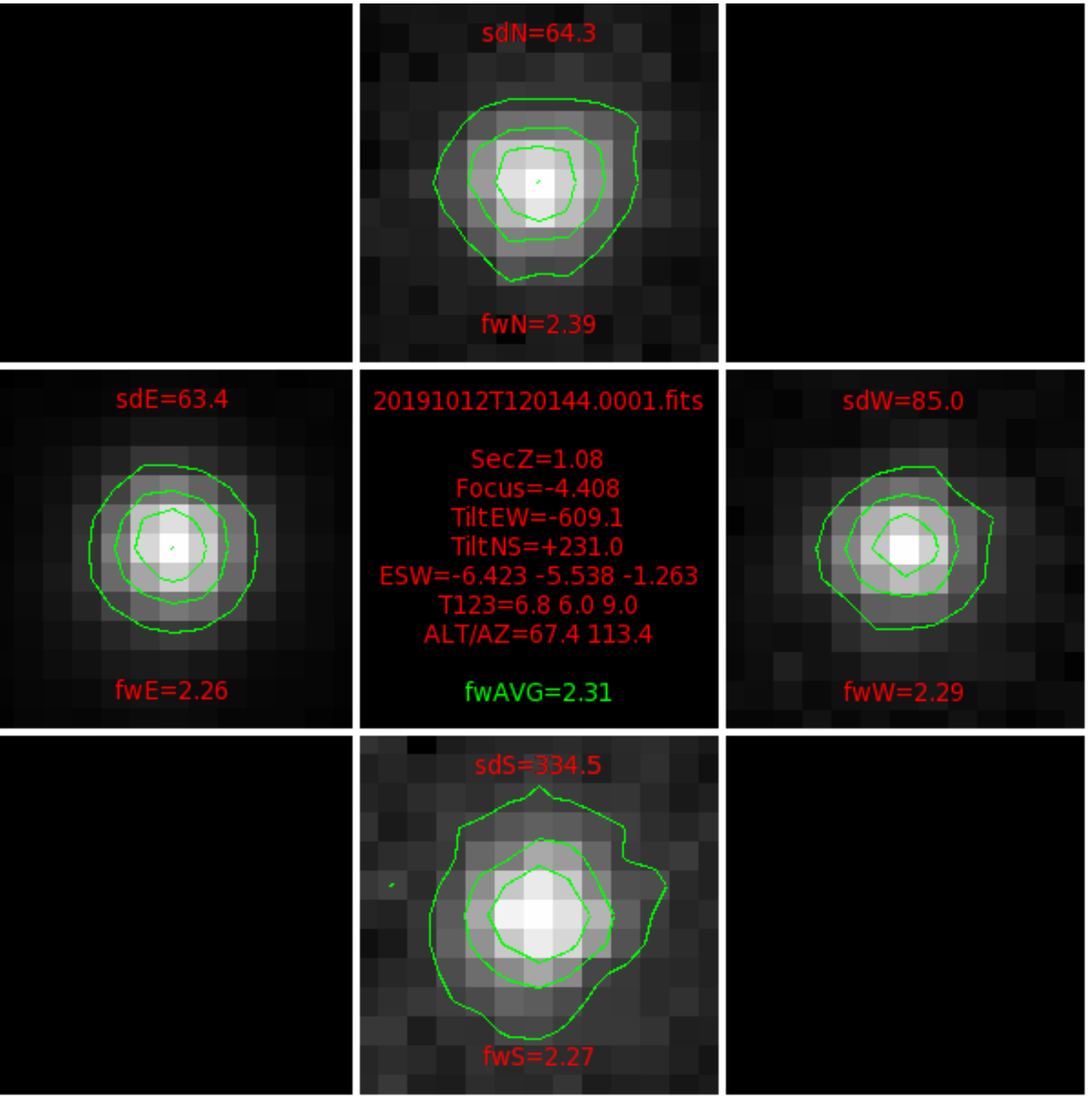

sdN=73.3
fwN=2.64
sdE=75.9
fwE=2.39
20191012T115947.0001.fits
SecZ=1.04
Focus=-4.408
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.423 -5.538 -1.263
T123=6.8 6.0 9.0
ALT/AZ=74.1 125.6
fwAVG=2.55
sdW=85.5
fwW=2.66
sdS=413.0
fwS=2.52
0 0 0 0 0 0 0 0 0


sdN=107.0
fwN=2.77
sdE=121.9
fwE=2.49
20191012T120024.0001.fits
SecZ=1.04
Focus=-4.408
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.423 -5.538 -1.263
T123=6.8 6.0 9.0
ALT/AZ=74.3 125.9
fwAVG=2.56
sdW=185.0
fwW=2.49
sdS=522.4
fwS=2.51
0 0 0 0 0 0 0 0 0


sdN=64.3
fwN=2.39
sdE=63.4
fwE=2.26
20191012T120144.0001.fits
SecZ=1.08
Focus=-4.408
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.423 -5.538 -1.263
T123=6.8 6.0 9.0
ALT/AZ=67.4 113.4
fwAVG=2.31
sdW=85.0
fwW=2.29
sdS=334.5
fwS=2.27
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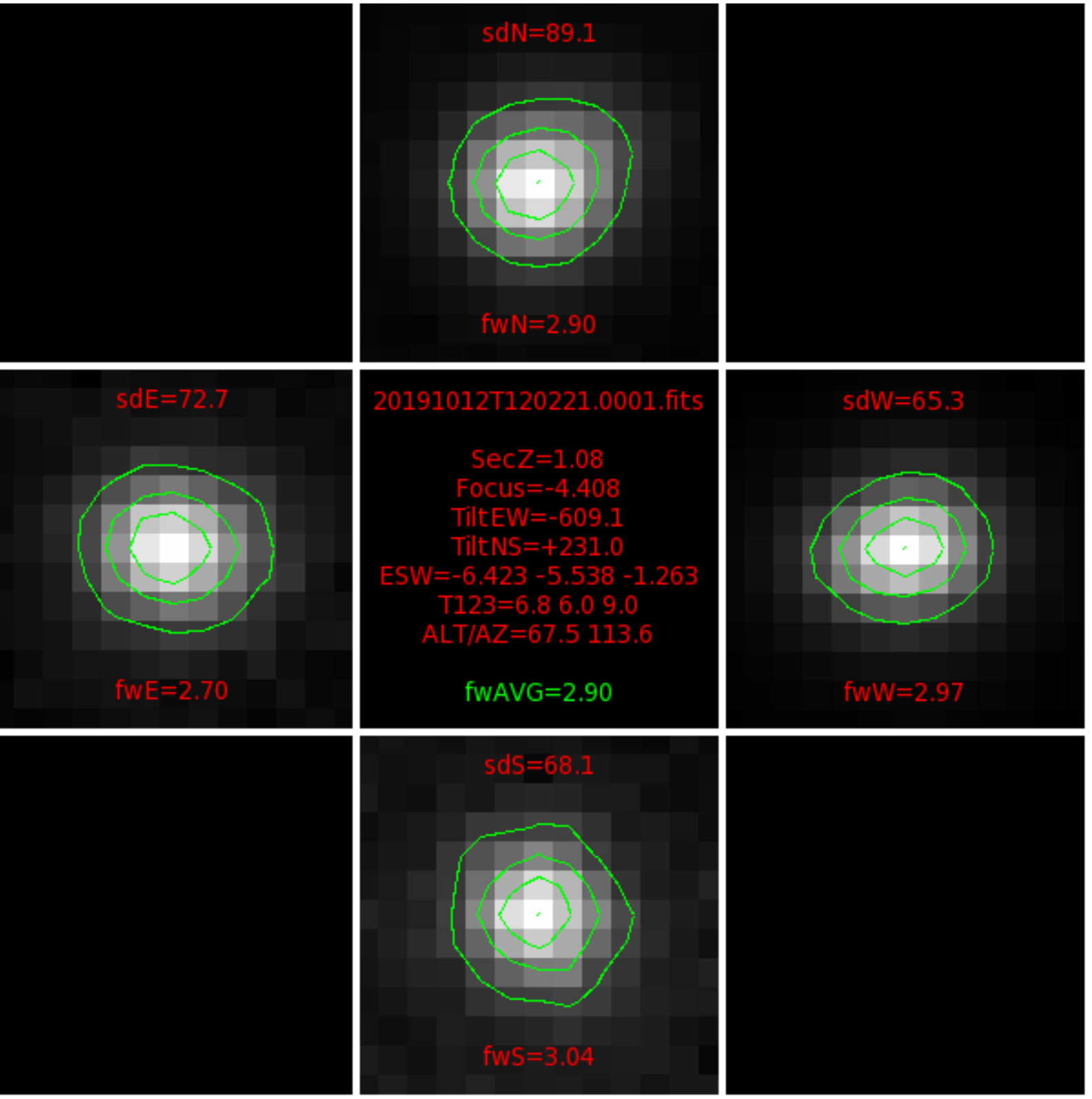
sdN=89.1
fwN=2.90
sdE=72.7
fwE=2.70
20191012T120221.0001.fits
SecZ=1.08
Focus=-4.408
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.423 -5.538 -1.263
T123=6.8 6.0 9.0
ALT/AZ=67.5 113.6
fwAVG=2.90
sdW=65.3
fwW=2.97
sdS=68.1
fwS=3.04
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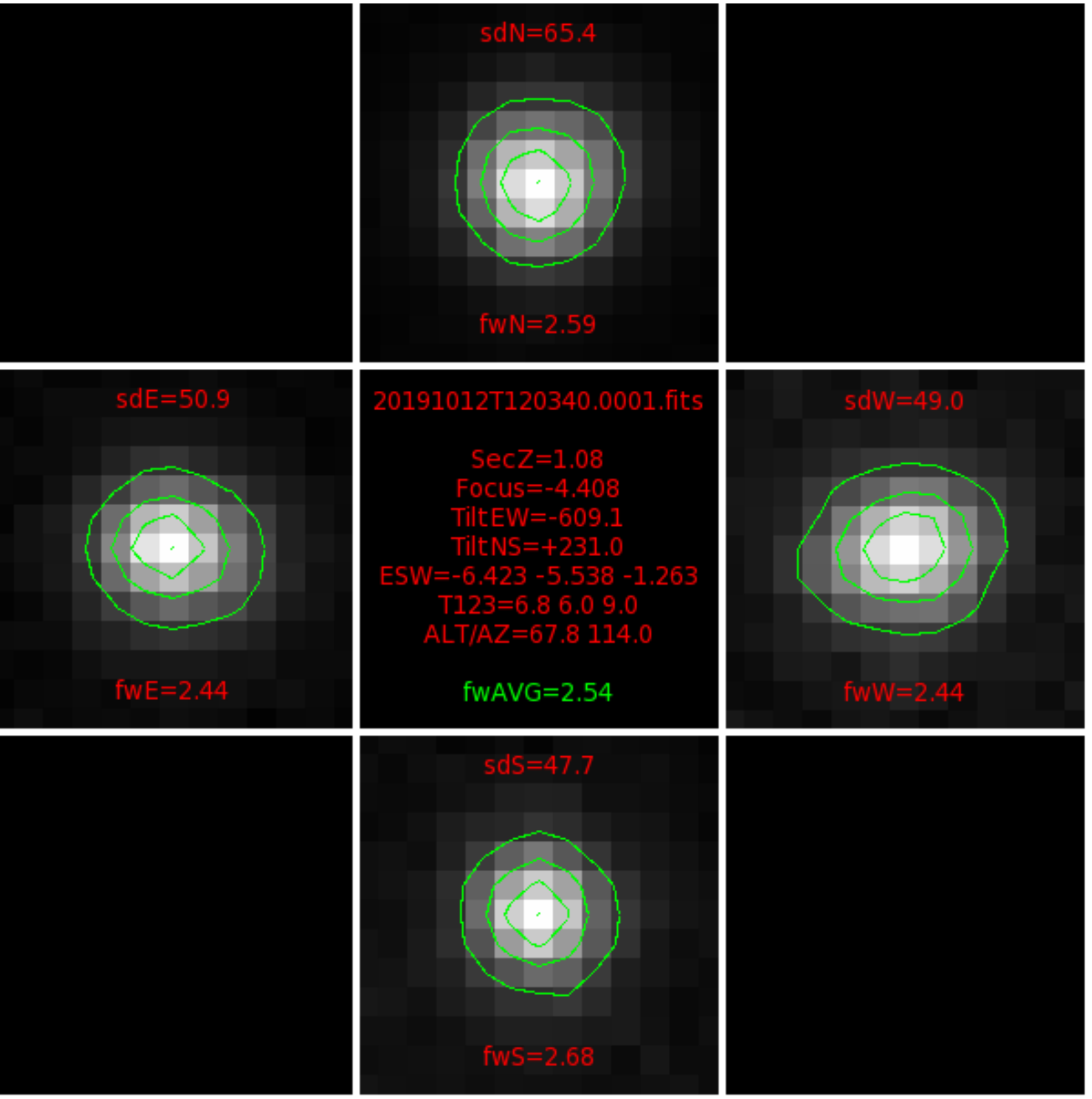
sdN=65.4
fwN=2.59
sdE=50.9
fwE=2.44
20191012T120340.0001.fits
SecZ=1.08
Focus=-4.408
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.423 -5.538 -1.263
T123=6.8 6.0 9.0
ALT/AZ=67.8 114.0
fwAVG=2.54
sdW=49.0
fwW=2.44
sdS=47.7
fwS=2.68
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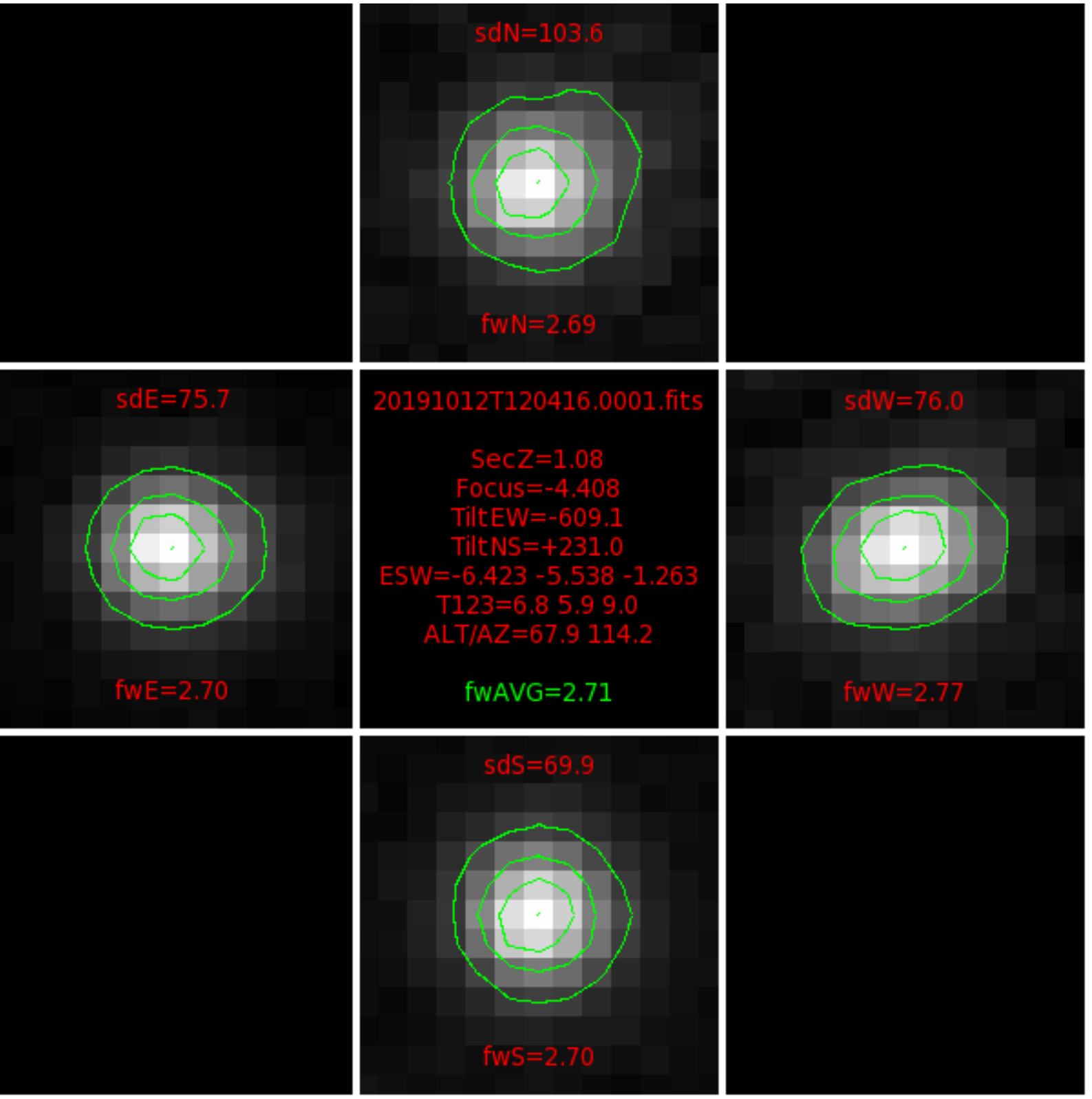
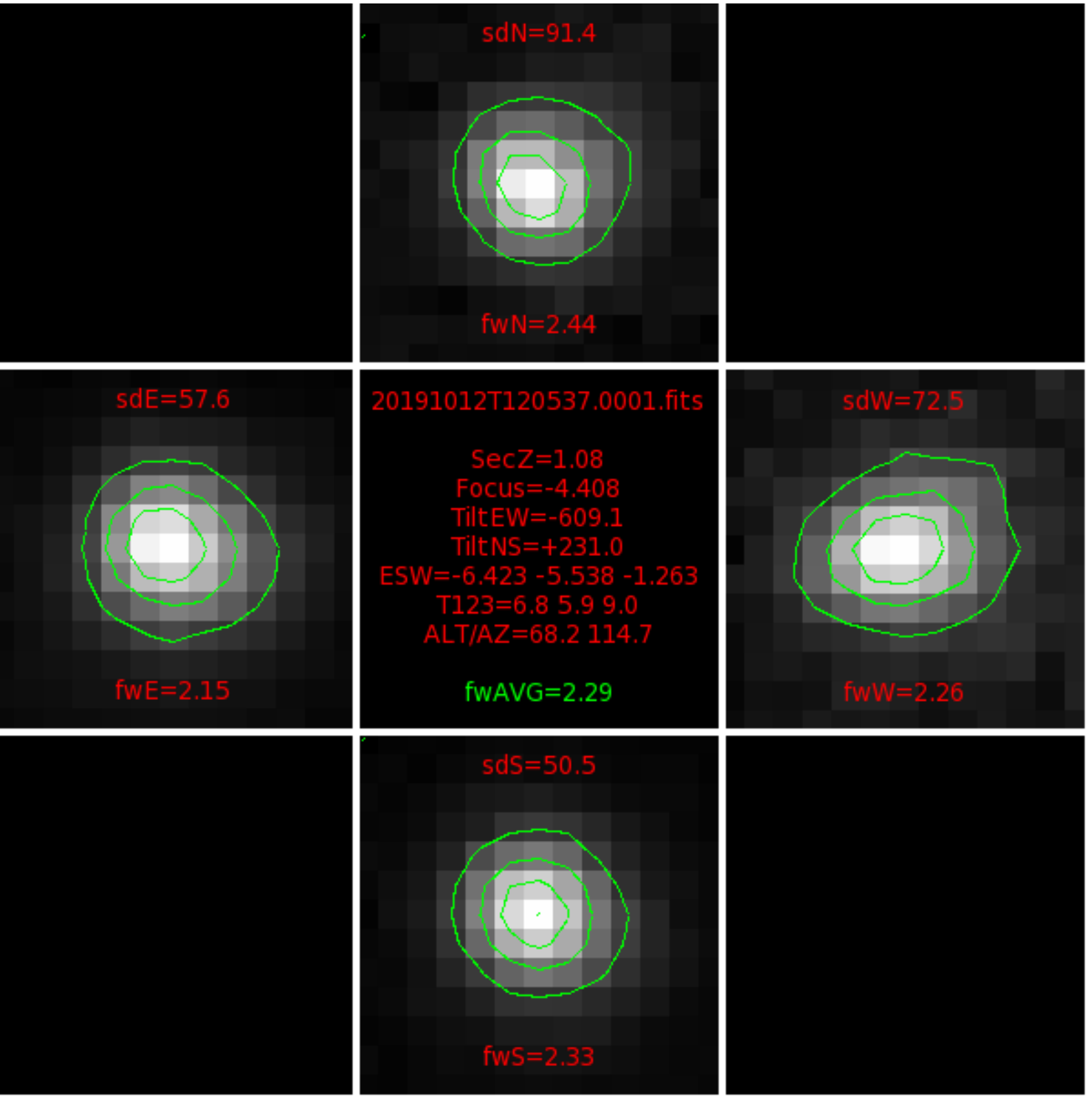

sdN=103.6
fwN=2.69
sdE=75.7
fwE=2.70
20191012T120416.0001.fits
SecZ=1.08
Focus=-4.408
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.423 -5.538 -1.263
T123=6.8 5.9 9.0
ALT/AZ=67.9 114.2
fwAVG=2.71
sdW=76.0
fwW=2.77
sdS=69.9
fwS=2.70
0 0 0 0 0 0 0 0 0


sdN=91.4
fwN=2.44
sdE=57.6
fwE=2.15
20191012T120537.0001.fits
SecZ=1.08
Focus=-4.408
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.423 -5.538 -1.263
T123=6.8 5.9 9.0
ALT/AZ=68.2 114.7
fwAVG=2.29
sdW=72.5
fwW=2.26
sdS=50.5
fwS=2.33
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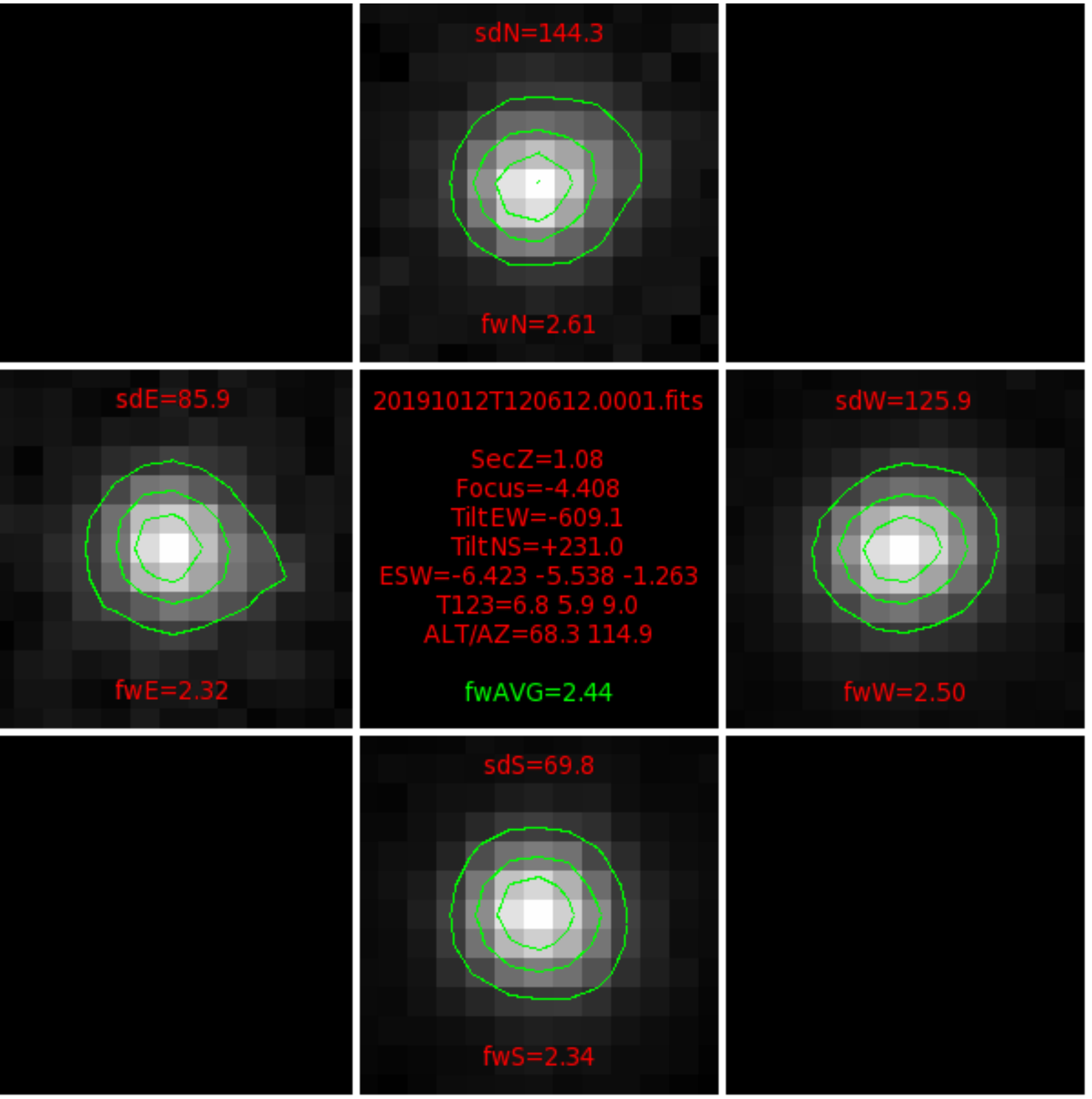
sdN=144.3
fwN=2.61
sdE=85.9
fwE=2.32
20191012T120612.0001.fits
SecZ=1.08
Focus=-4.408
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.423 -5.538 -1.263
T123=6.8 5.9 9.0
ALT/AZ=68.3 114.9
fwAVG=2.44
sdW=125.9
fwW=2.50
sdS=69.8
fwS=2.34
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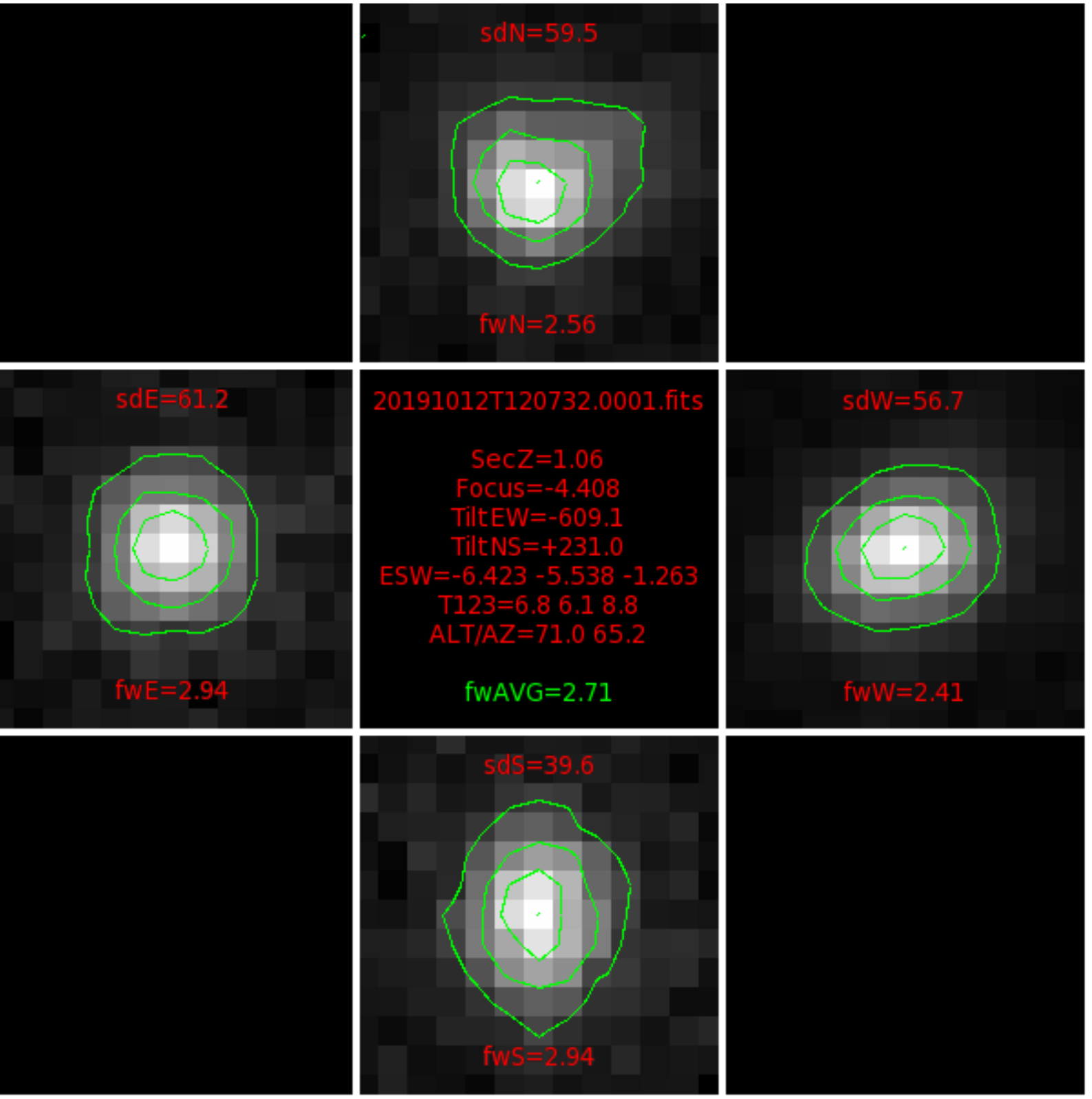
sdN=59.5
fwN=2.56
sdE=61.2
fwE=2.94
20191012T120732.0001.fits
SecZ=1.06
Focus=-4.408
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.423 -5.538 -1.263
T123=6.8 6.1 8.8
ALT/AZ=71.0 65.2
fwAVG=2.71
sdW=56.7
fwW=2.41
sdS=39.6
fwS=2.94
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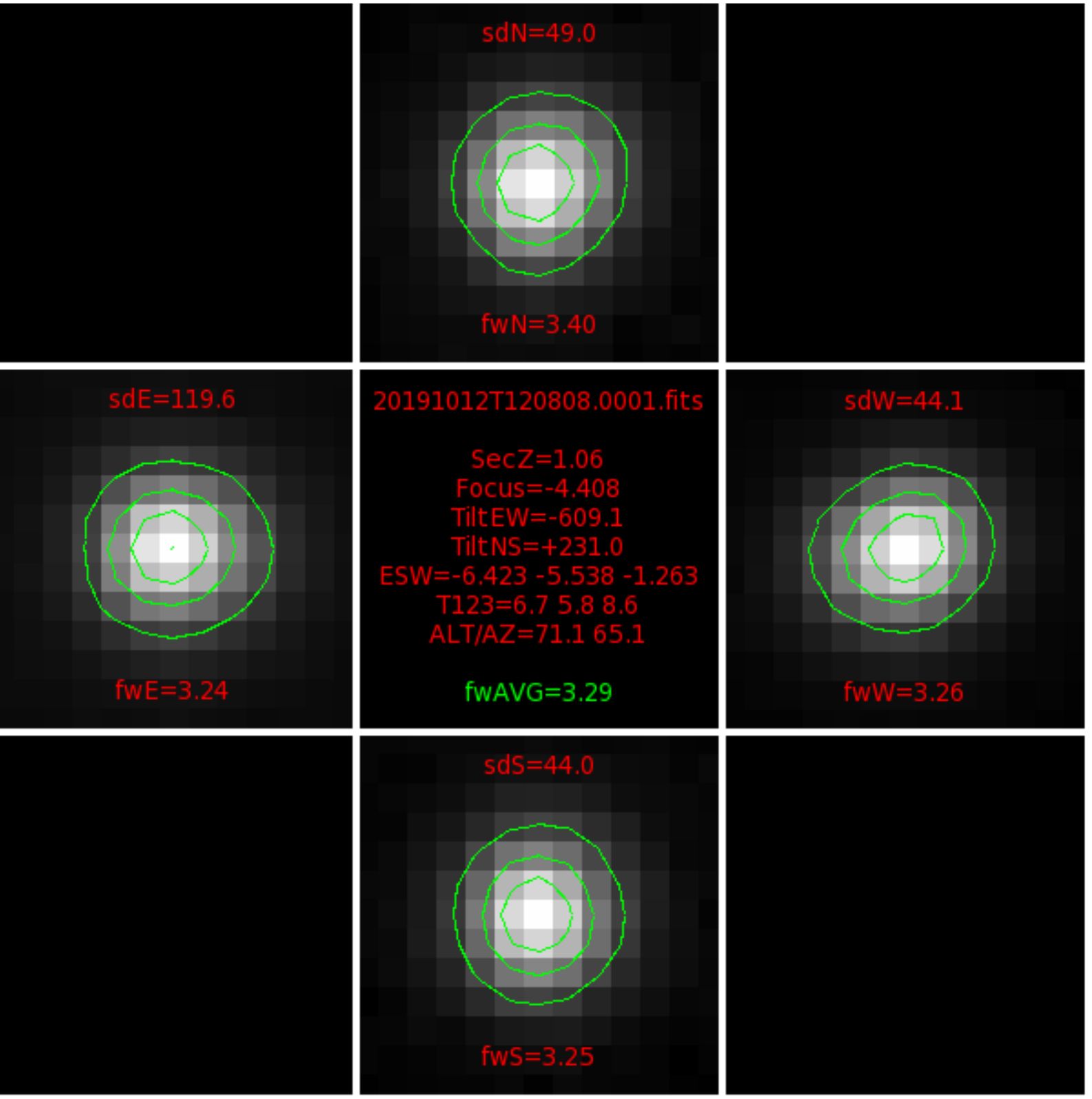
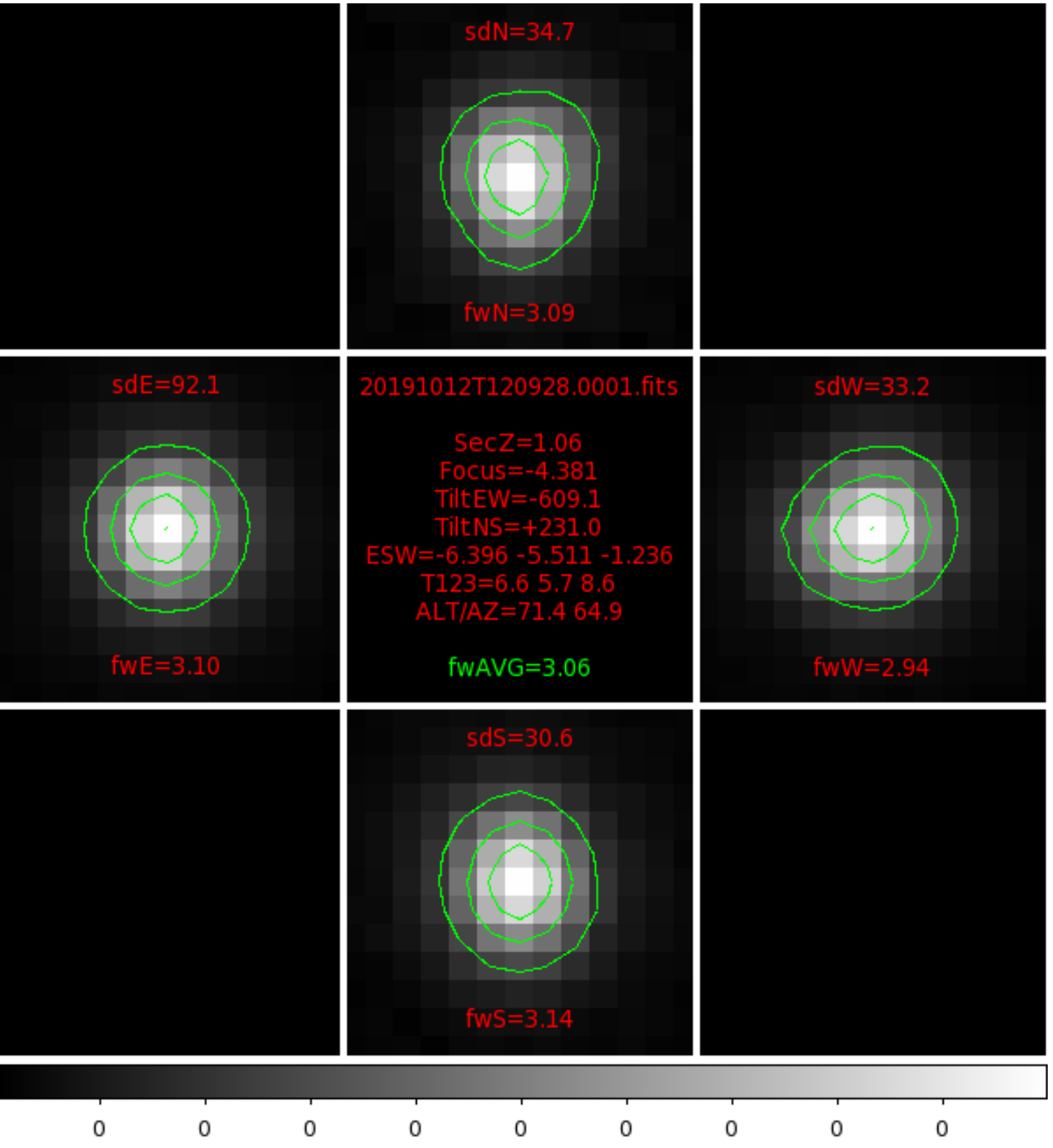

sdN=49.0
fwN=3.40
sdE=119.6
fwE=3.24
20191012T120808.0001.fits
SecZ=1.06
Focus=-4.408
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.423 -5.538 -1.263
T123=6.7 5.8 8.6
ALT/AZ=71.1 65.1
fwAVG=3.29
sdW=44.1
fwW=3.26
sdS=44.0
fwS=3.25
0 0 0 0 0 0 0 0 0


sdN=34.7
fwN=3.09
sdE=92.1
fwE=3.10
20191012T120928.0001.fits
SecZ=1.06
Focus=-4.381
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.396 -5.511 -1.236
T123=6.6 5.7 8.6
ALT/AZ=71.4 64.9
fwAVG=3.06
sdW=33.2
fwW=2.94
sdS=30.6
fwS=3.14
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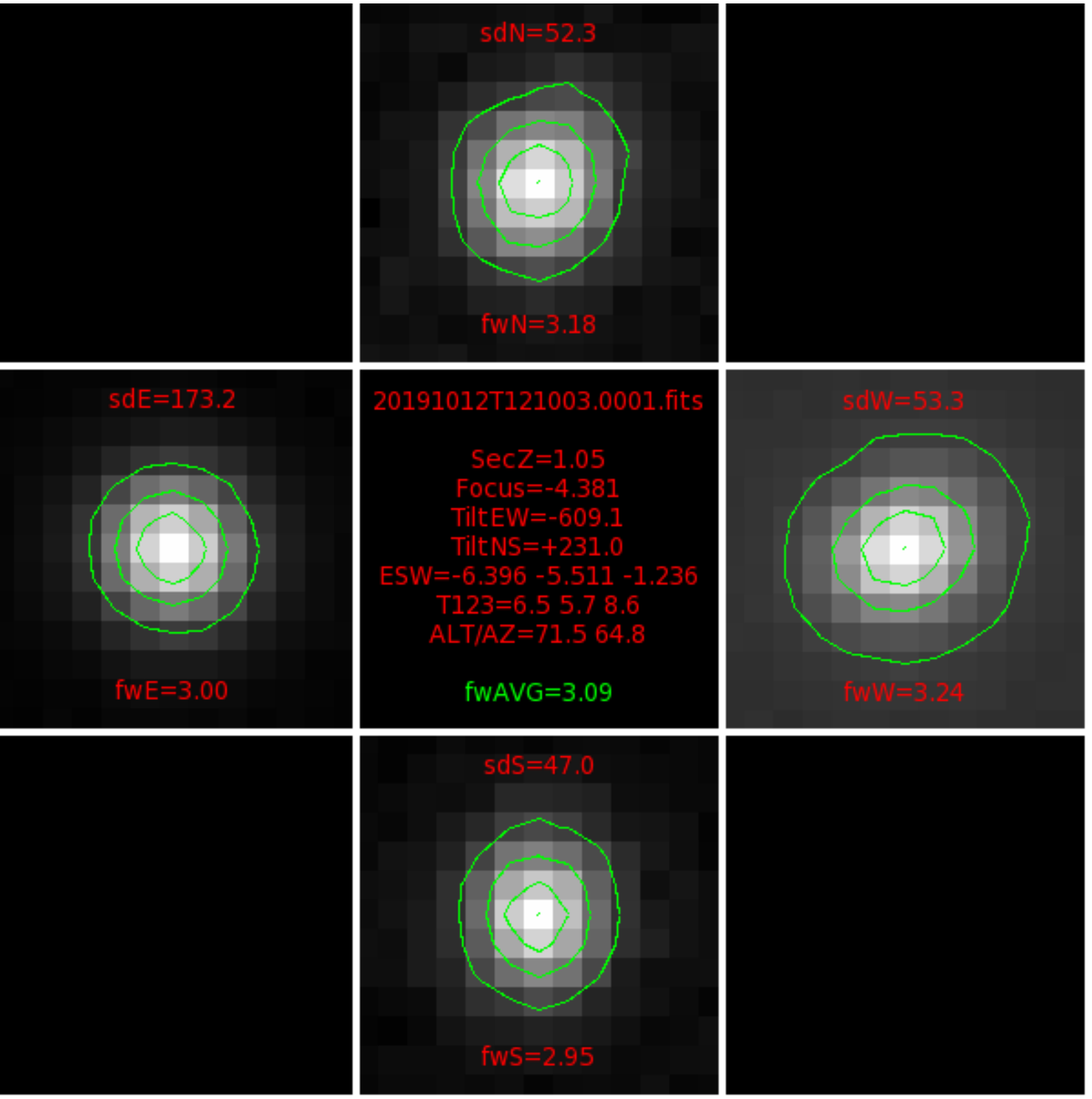
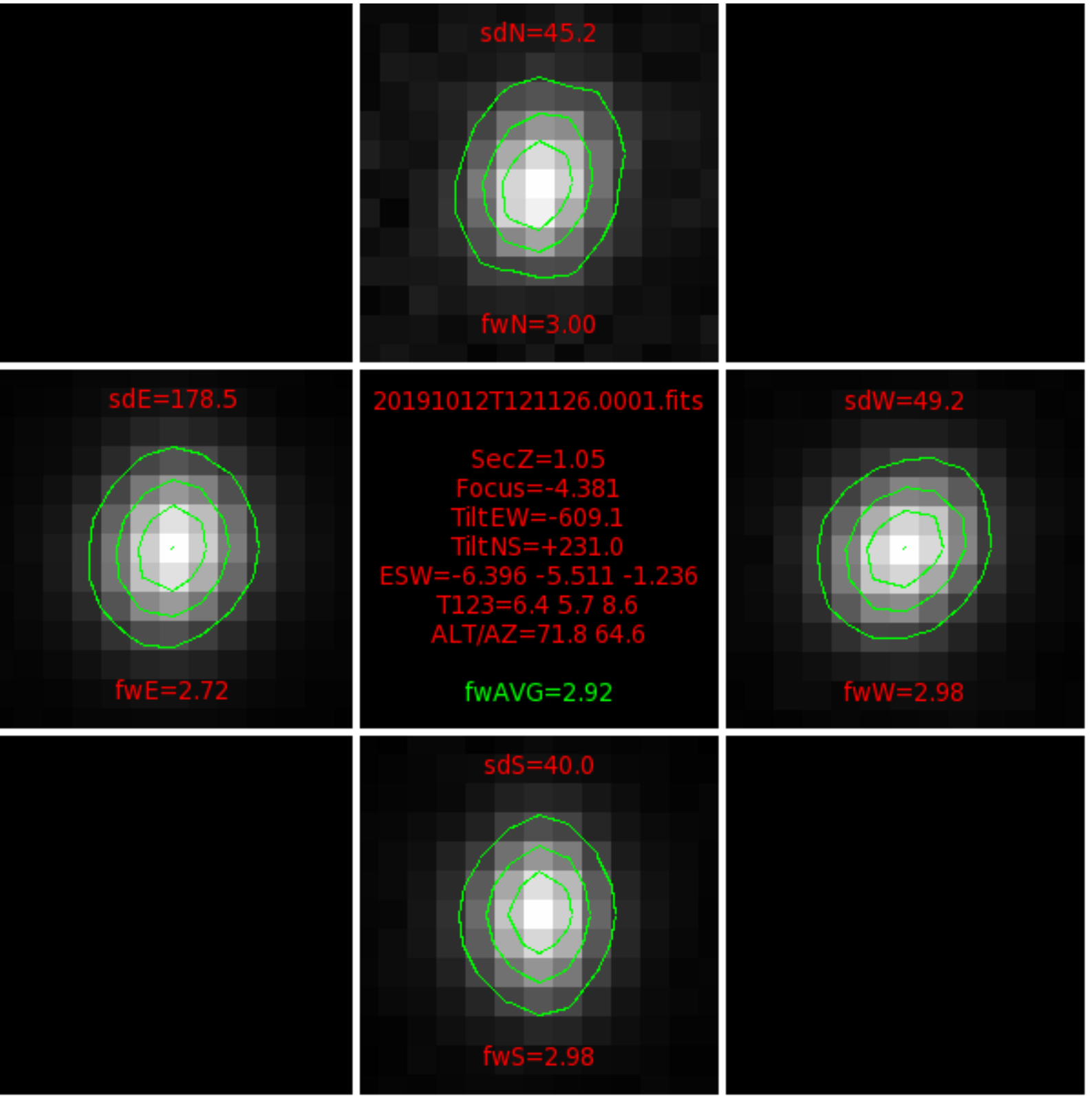

sdN=52.3
fwN=3.18
sdE=173.2
fwE=3.00
20191012T121003.0001.fits
SecZ=1.05
Focus=-4.381
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.396 -5.511 -1.236
T123=6.5 5.7 8.6
ALT/AZ=71.5 64.8
fwAVG=3.09
sdW=53.3
fwW=3.24
sdS=47.0
fwS=2.95
0 0 0 0 0 0 0 0 0


sdN=45.2
fwN=3.00
sdE=178.5
fwE=2.72
20191012T121126.0001.fits
SecZ=1.05
Focus=-4.381
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.396 -5.511 -1.236
T123=6.4 5.7 8.6
ALT/AZ=71.8 64.6
fwAVG=2.92
sdW=49.2
fwW=2.98
sdS=40.0
fwS=2.98
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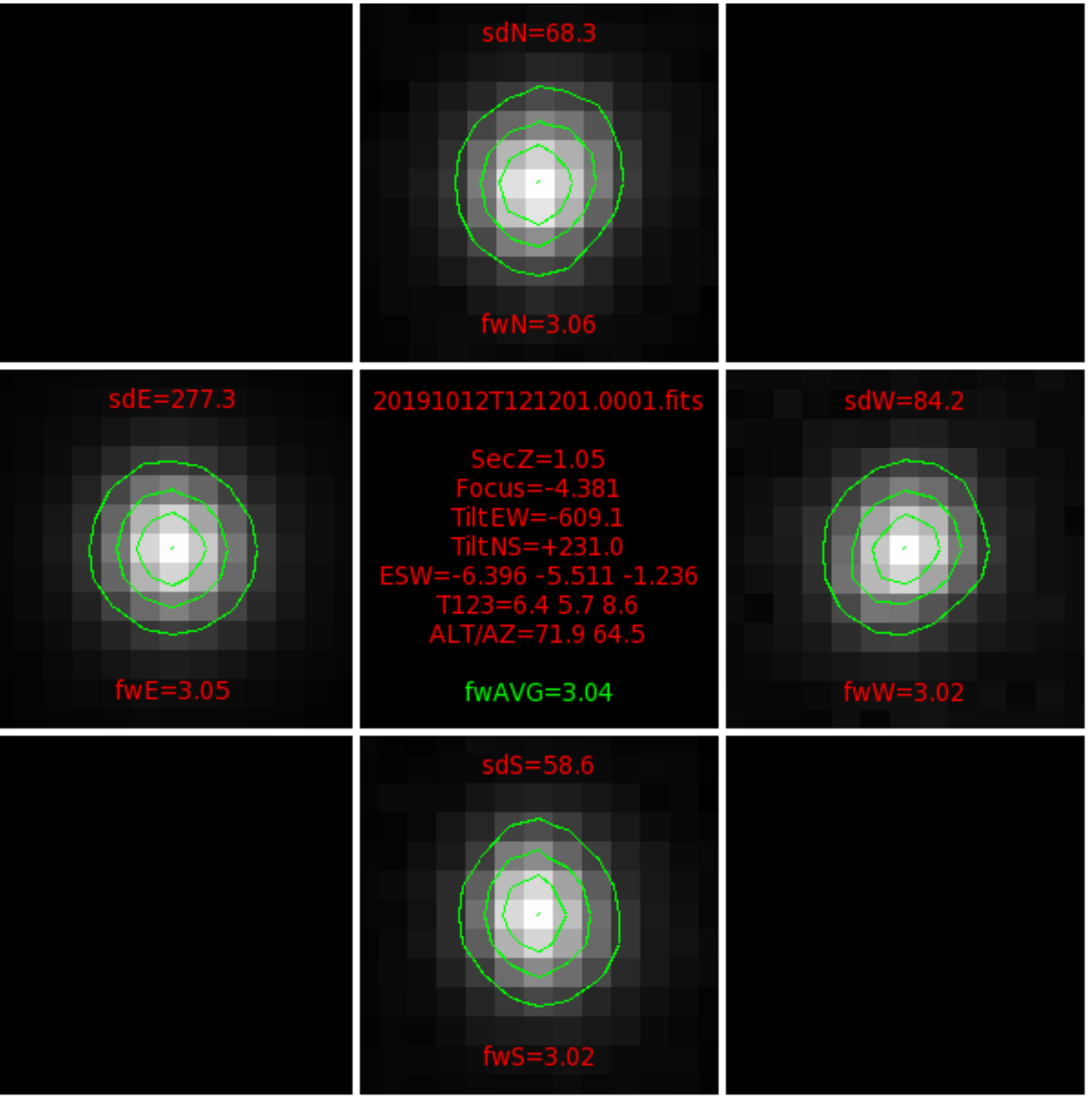
sdN=68.3
fwN=3.06
sdE=277.3
fwE=3.05
20191012T121201.0001.fits
SecZ=1.05
Focus=-4.381
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.396 -5.511 -1.236
T123=6.4 5.7 8.6
ALT/AZ=71.9 64.5
fwAVG=3.04
sdW=84.2
fwW=3.02
sdS=58.6
fwS=3.02
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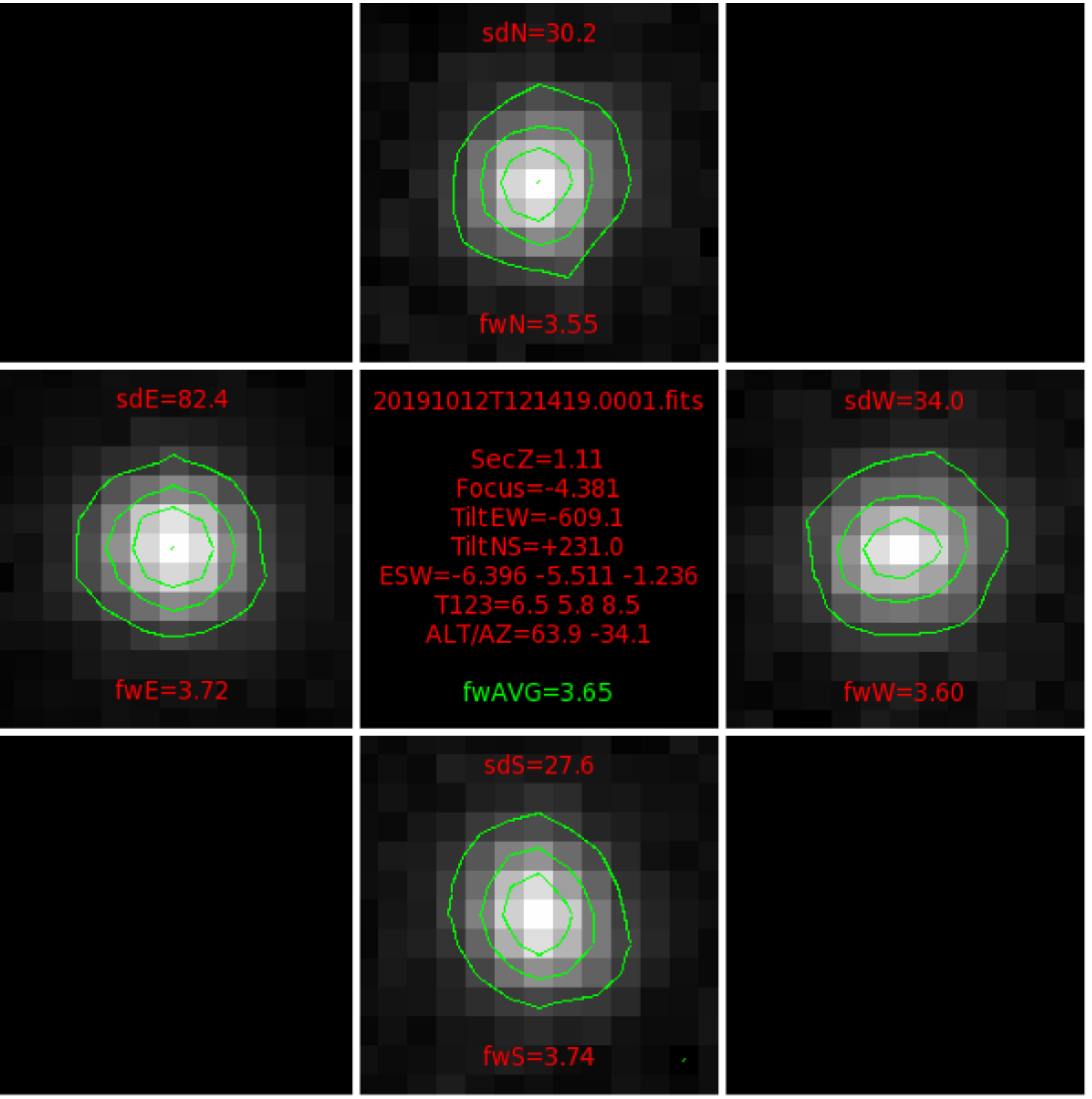
sdN=30.2
fwN=3.55
sdE=82.4
fwE=3.72
20191012T121419.0001.fits
SecZ=1.11
Focus=-4.381
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.396 -5.511 -1.236
T123=6.5 5.8 8.5
ALT/AZ=63.9 -34.1
fwAVG=3.65
sdW=34.0
fwW=3.60
sdS=27.6
fwS=3.74
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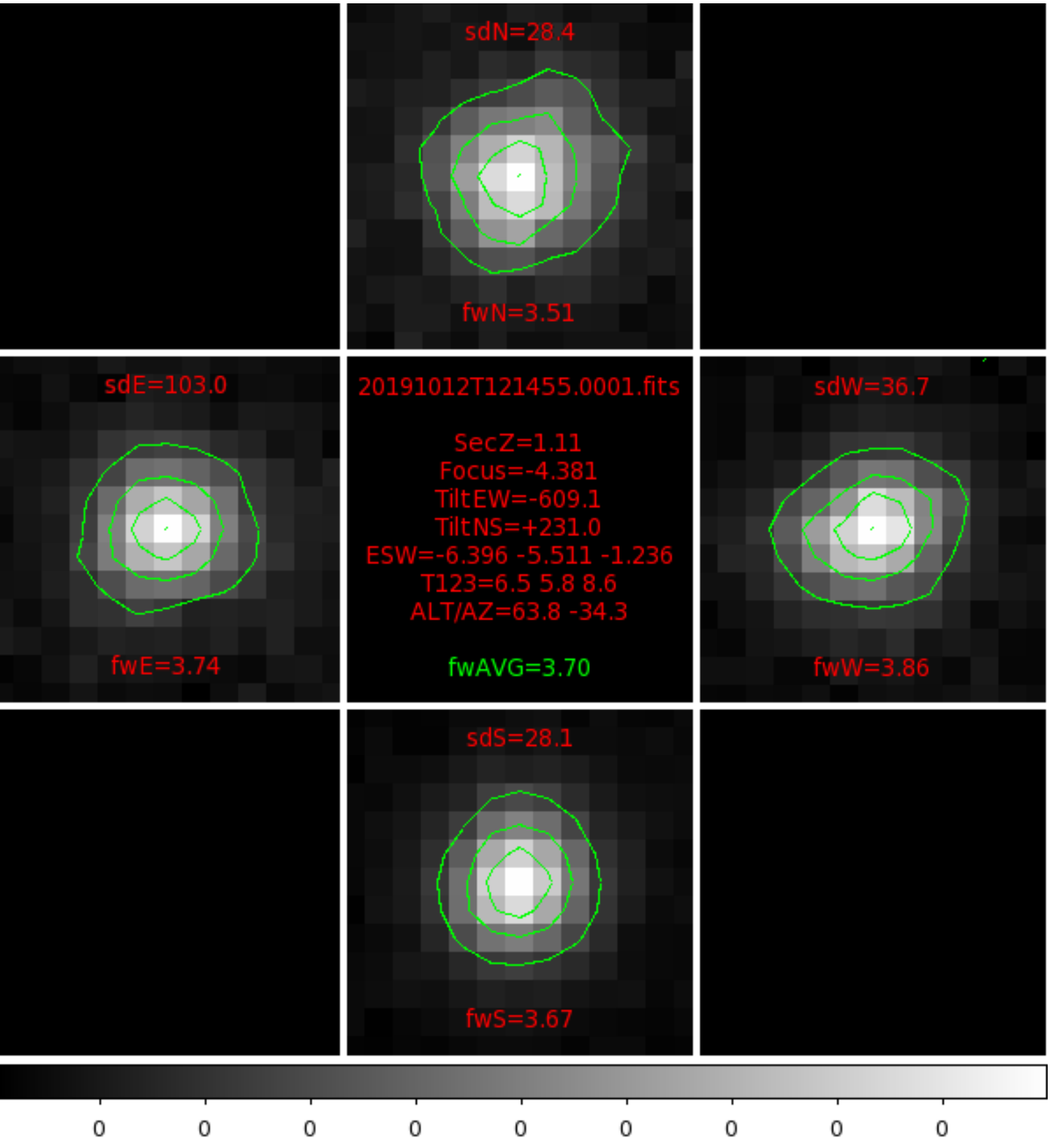
sdN=28.4
fwN=3.51
sdE=103.0
fwE=3.74
20191012T121455.0001.fits
SecZ=1.11
Focus=-4.381
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.396 -5.511 -1.236
T123=6.5 5.8 8.6
ALT/AZ=63.8 -34.3
fwAVG=3.70
sdW=36.7
fwW=3.86
sdS=28.1
fwS=3.67
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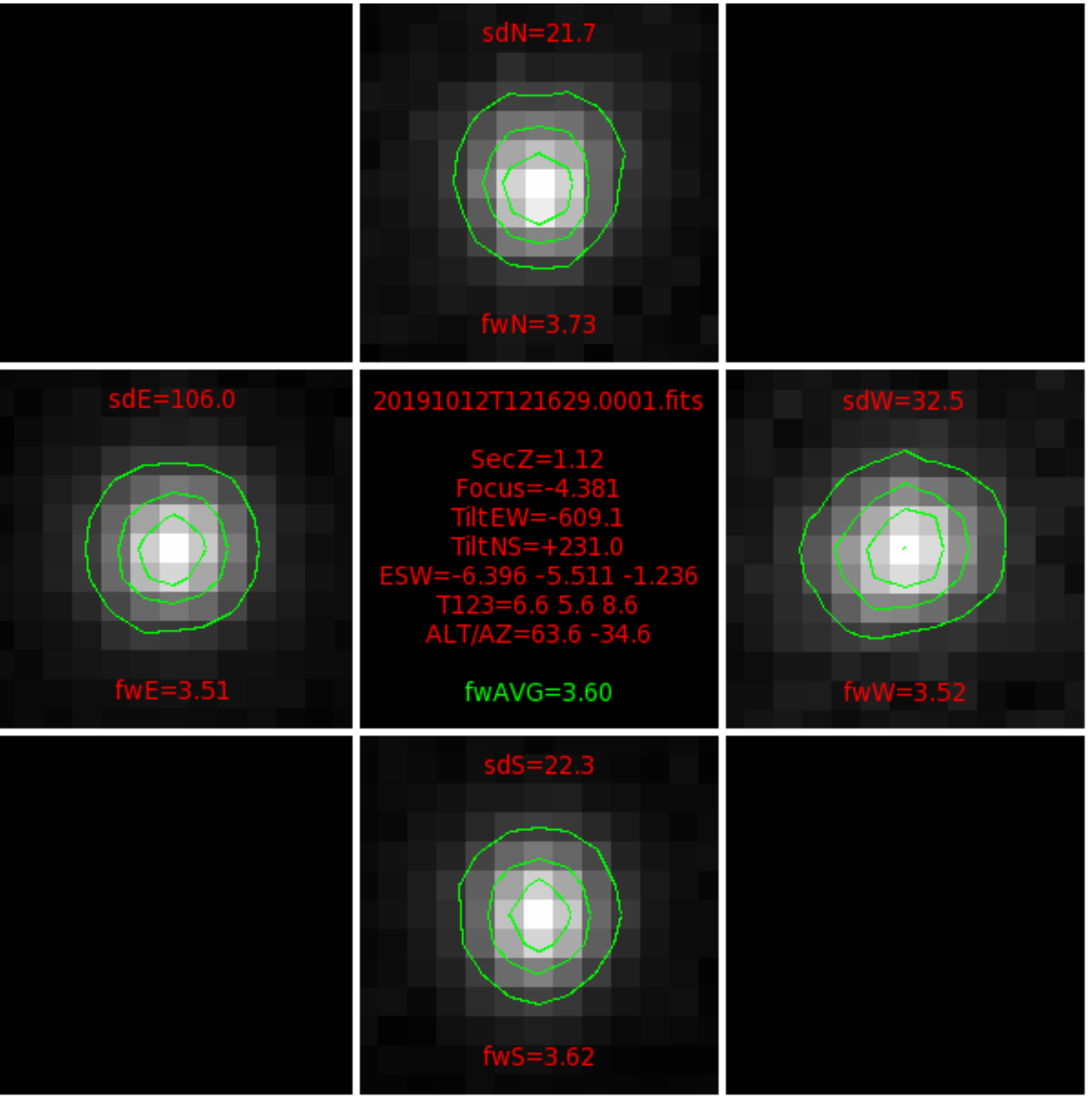
sdN=21.7
fwN=3.73
sdE=106.0
fwE=3.51
20191012T121629.0001.fits
SecZ=1.12
Focus=-4.381
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.396 -5.511 -1.236
T123=6.6 5.6 8.6
ALT/AZ=63.6 -34.6
fwAVG=3.60
sdW=32.5
fwW=3.52
sdS=22.3
fwS=3.62
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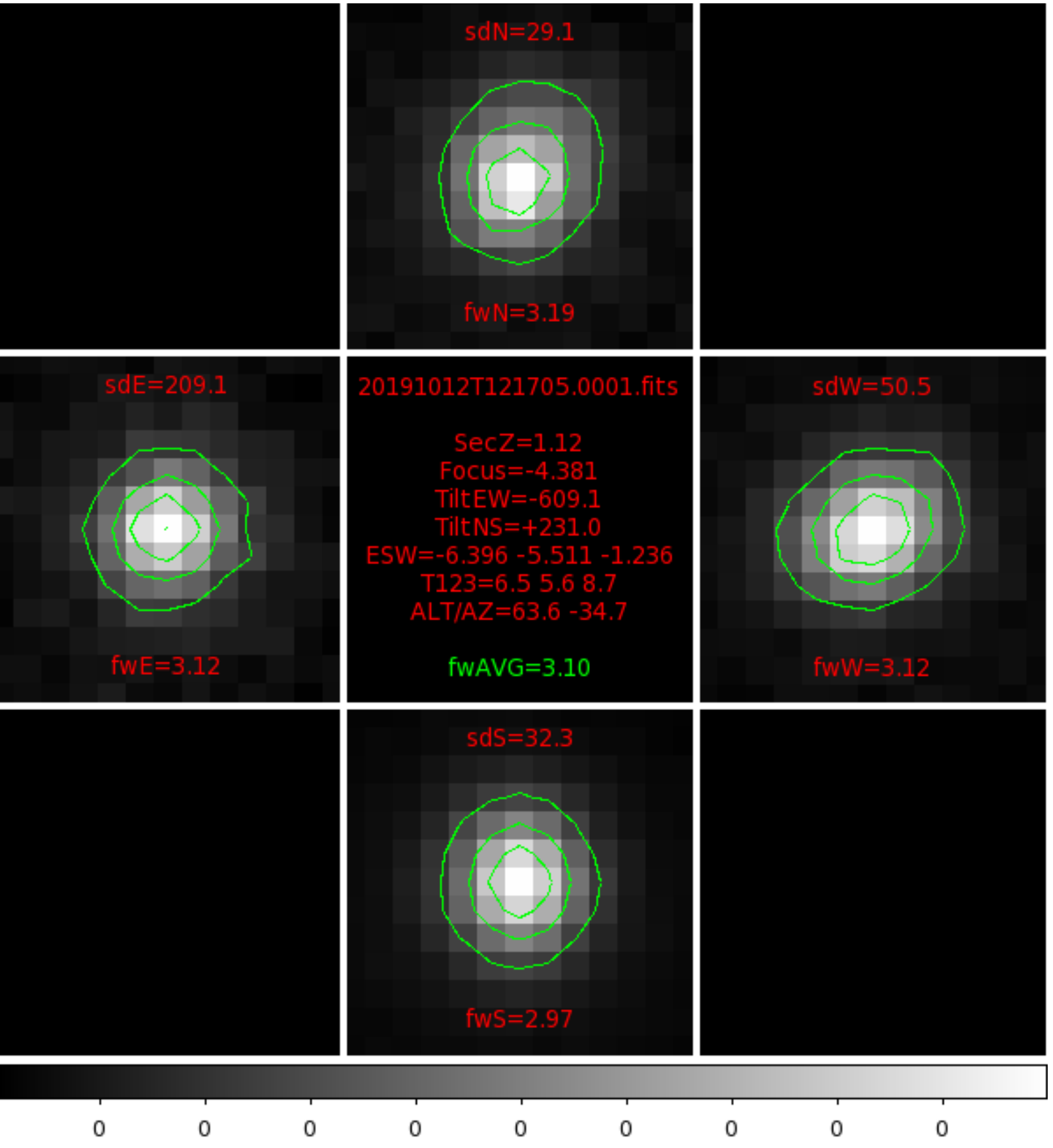
sdN=29.1
fwN=3.19
sdE=209.1
fwE=3.12
20191012T121705.0001.fits
SecZ=1.12
Focus=-4.381
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.396 -5.511 -1.236
T123=6.5 5.6 8.7
ALT/AZ=63.6 -34.7
fwAVG=3.10
sdW=50.5
fwW=3.12
sdS=32.3
fwS=2.97
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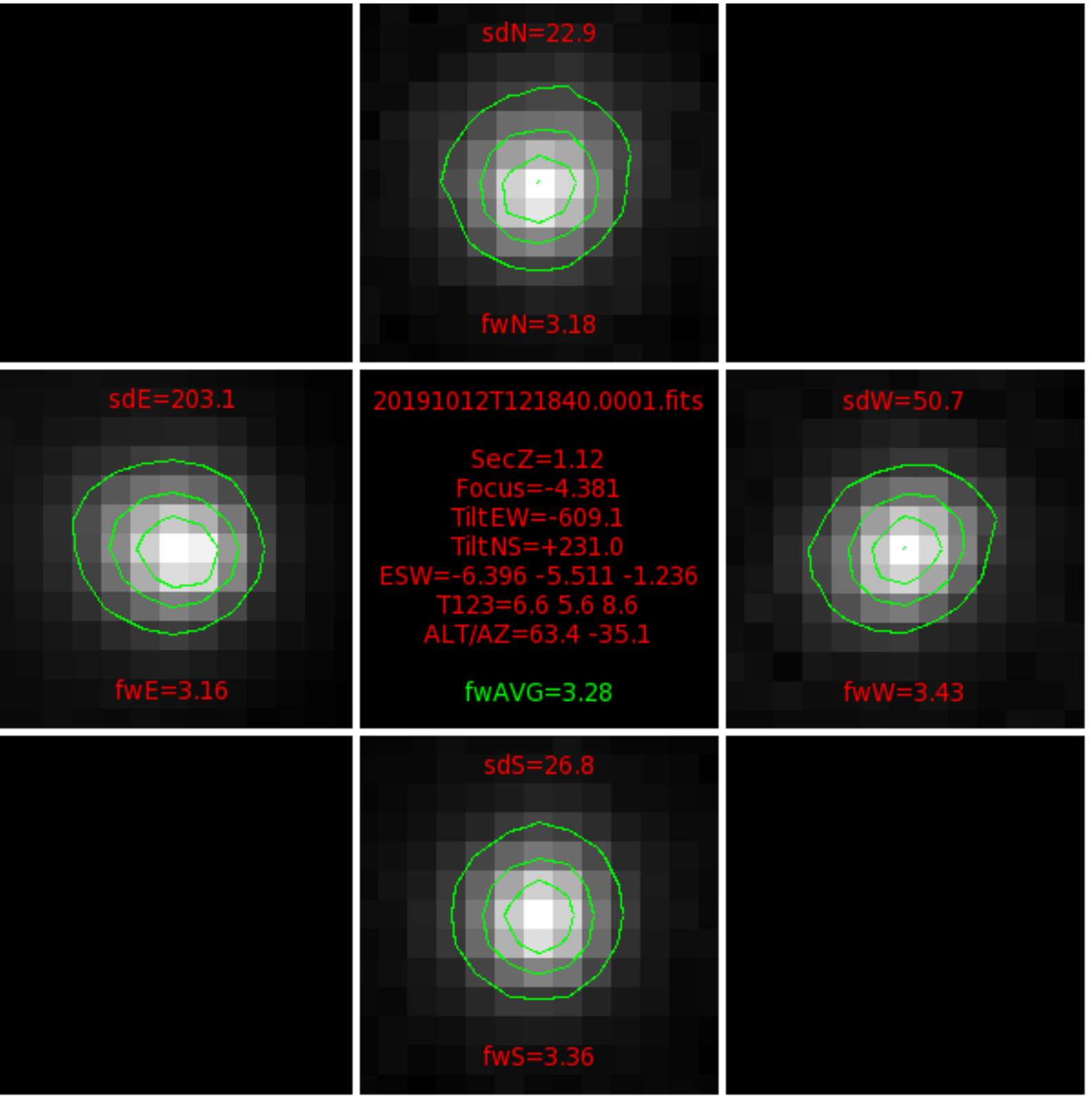
sdN=22.9
fwN=3.18
sdE=203.1
fwE=3.16
20191012T121840.0001.fits
SecZ=1.12
Focus=-4.381
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.396 -5.511 -1.236
T123=6.6 5.6 8.6
ALT/AZ=63.4 -35.1
fwAVG=3.28
sdW=50.7
fwW=3.43
sdS=26.8
fwS=3.36
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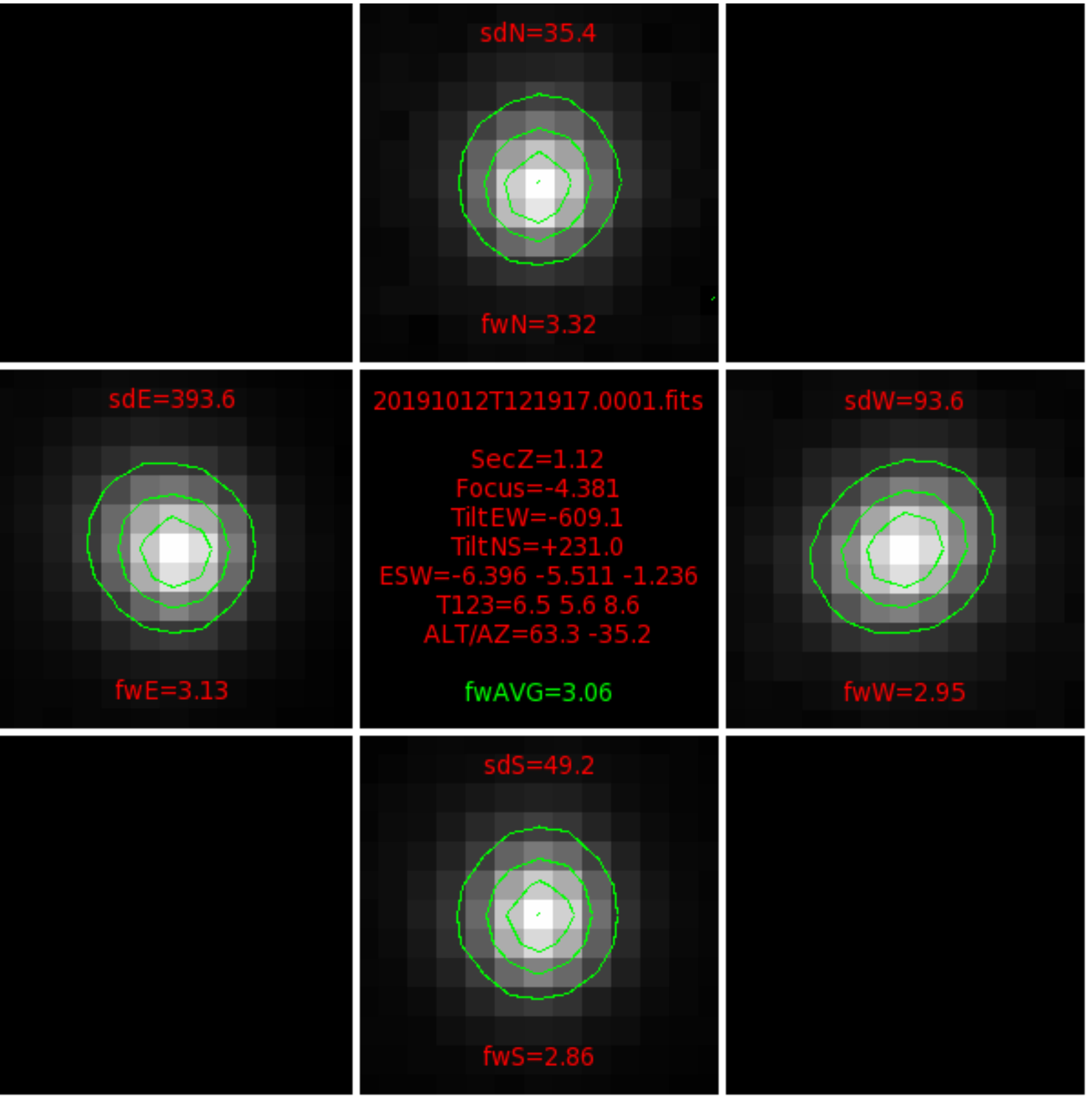
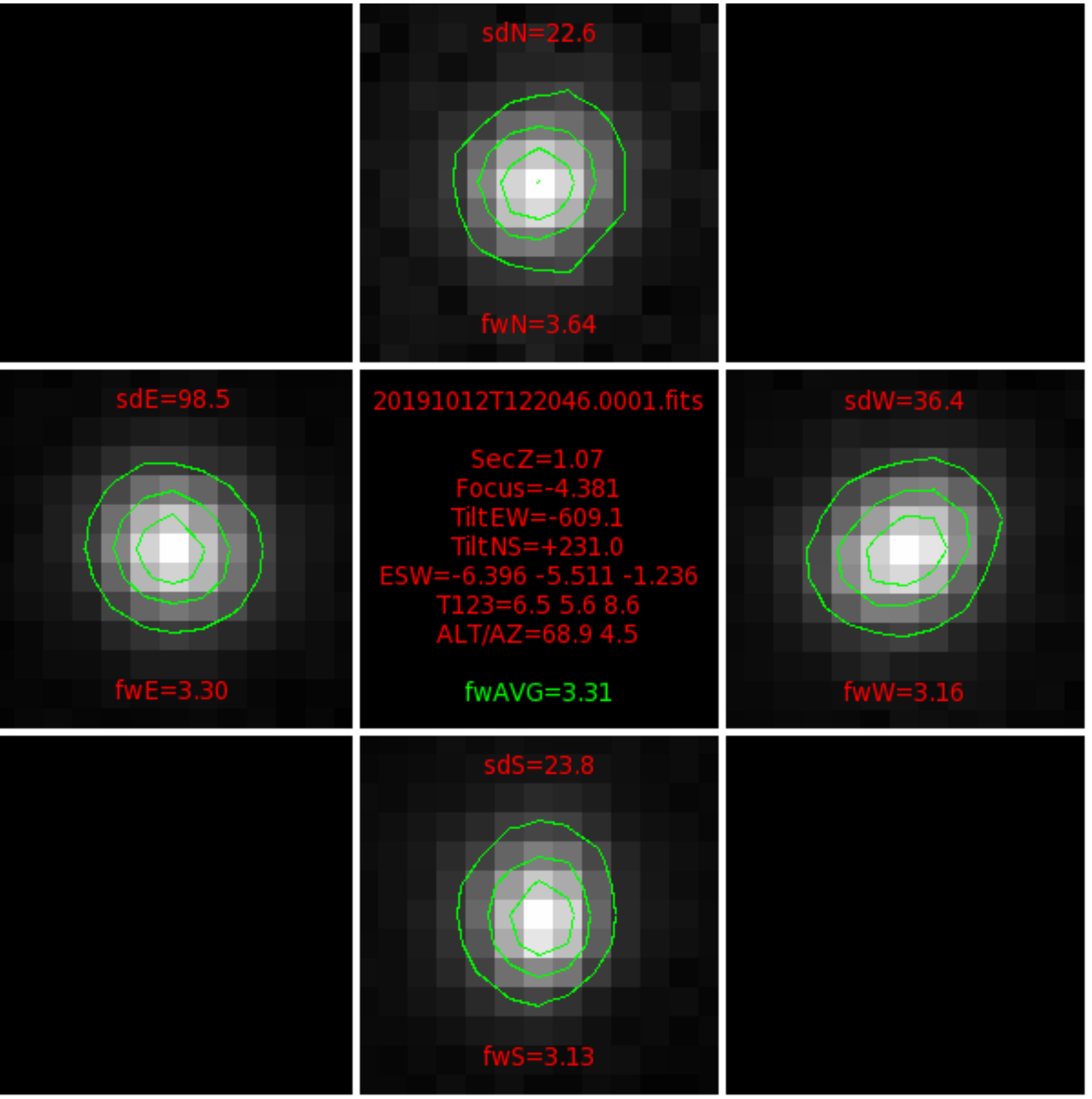
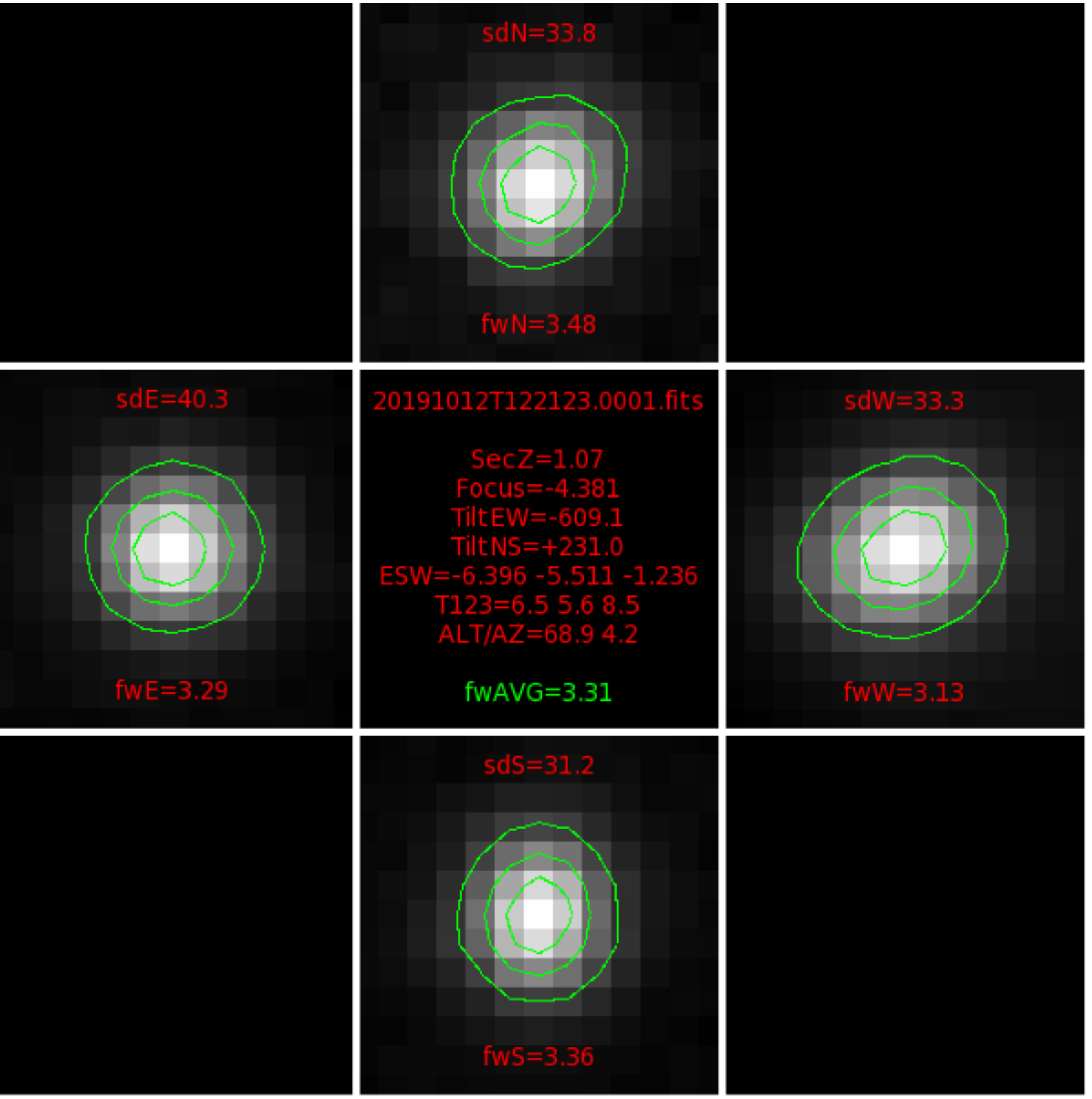
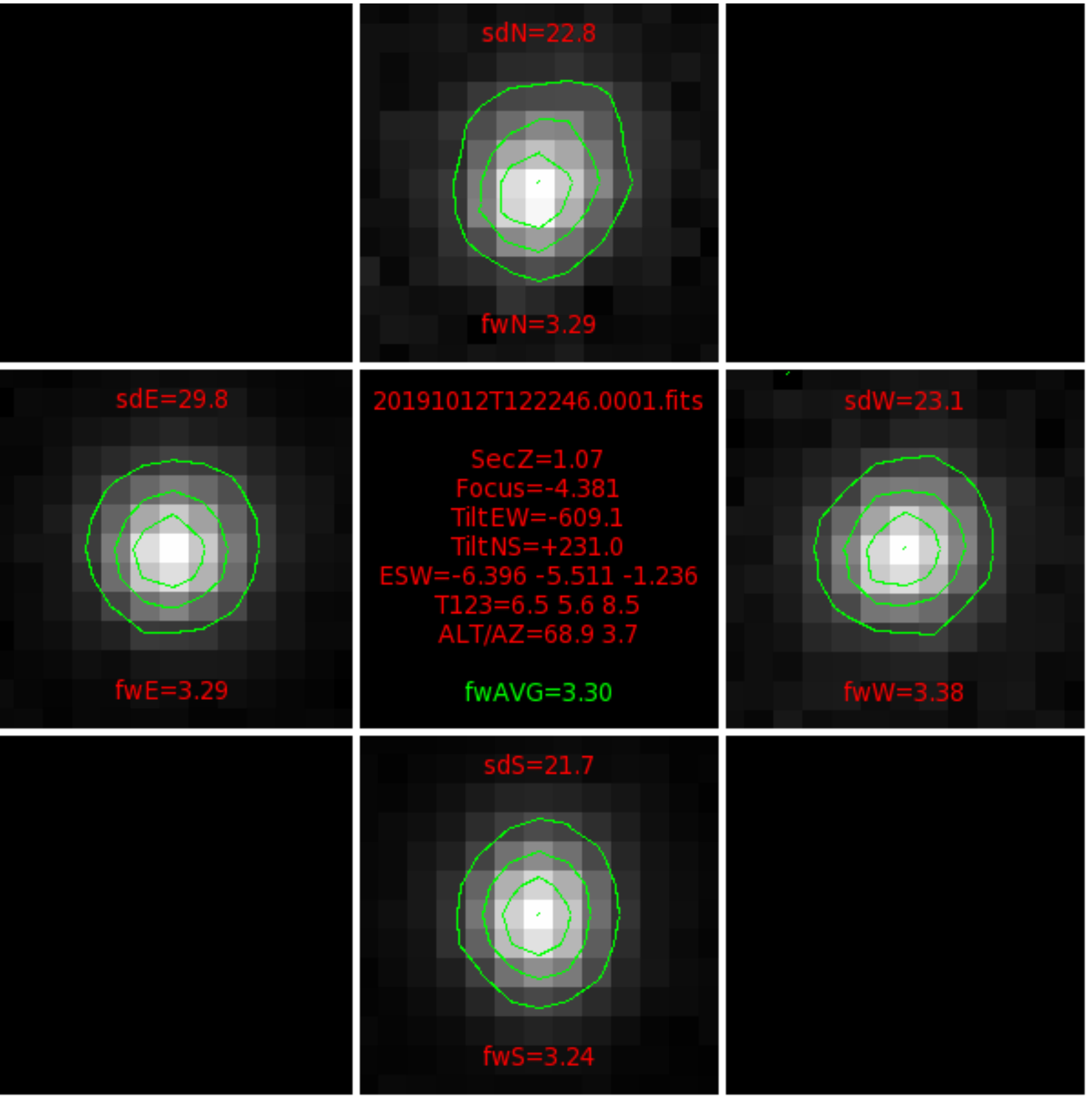

sdN=35.4
fwN=3.32
sdE=393.6
fwE=3.13
20191012T121917.0001.fits
SecZ=1.12
Focus=-4.381
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.396 -5.511 -1.236
T123=6.5 5.6 8.6
ALT/AZ=63.3 -35.2
fwAVG=3.06
sdW=93.6
fwW=2.95
sdS=49.2
fwS=2.86
0 0 0 0 0 0 0 0 0


sdN=22.6
fwN=3.64
sdE=98.5
fwE=3.30
20191012T122046.0001.fits
SecZ=1.07
Focus=-4.381
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.396 -5.511 -1.236
T123=6.5 5.6 8.6
ALT/AZ=68.9 4.5
fwAVG=3.31
sdW=36.4
fwW=3.16
sdS=23.8
fwS=3.13
0 0 0 0 0 0 0 0 0


sdN=33.8
fwN=3.48
sdE=40.3
fwE=3.29
20191012T122123.0001.fits
SecZ=1.07
Focus=-4.381
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.396 -5.511 -1.236
T123=6.5 5.6 8.5
ALT/AZ=68.9 4.2
fwAVG=3.31
sdW=33.3
fwW=3.13
sdS=31.2
fwS=3.36
0 0 0 0 0 0 0 0 0


sdN=22.8
fwN=3.29
sdE=29.8
fwE=3.29
20191012T122246.0001.fits
SecZ=1.07
Focus=-4.381
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.396 -5.511 -1.236
T123=6.5 5.6 8.5
ALT/AZ=68.9 3.7
fwAVG=3.30
sdW=23.1
fwW=3.38
sdS=21.7
fwS=3.24
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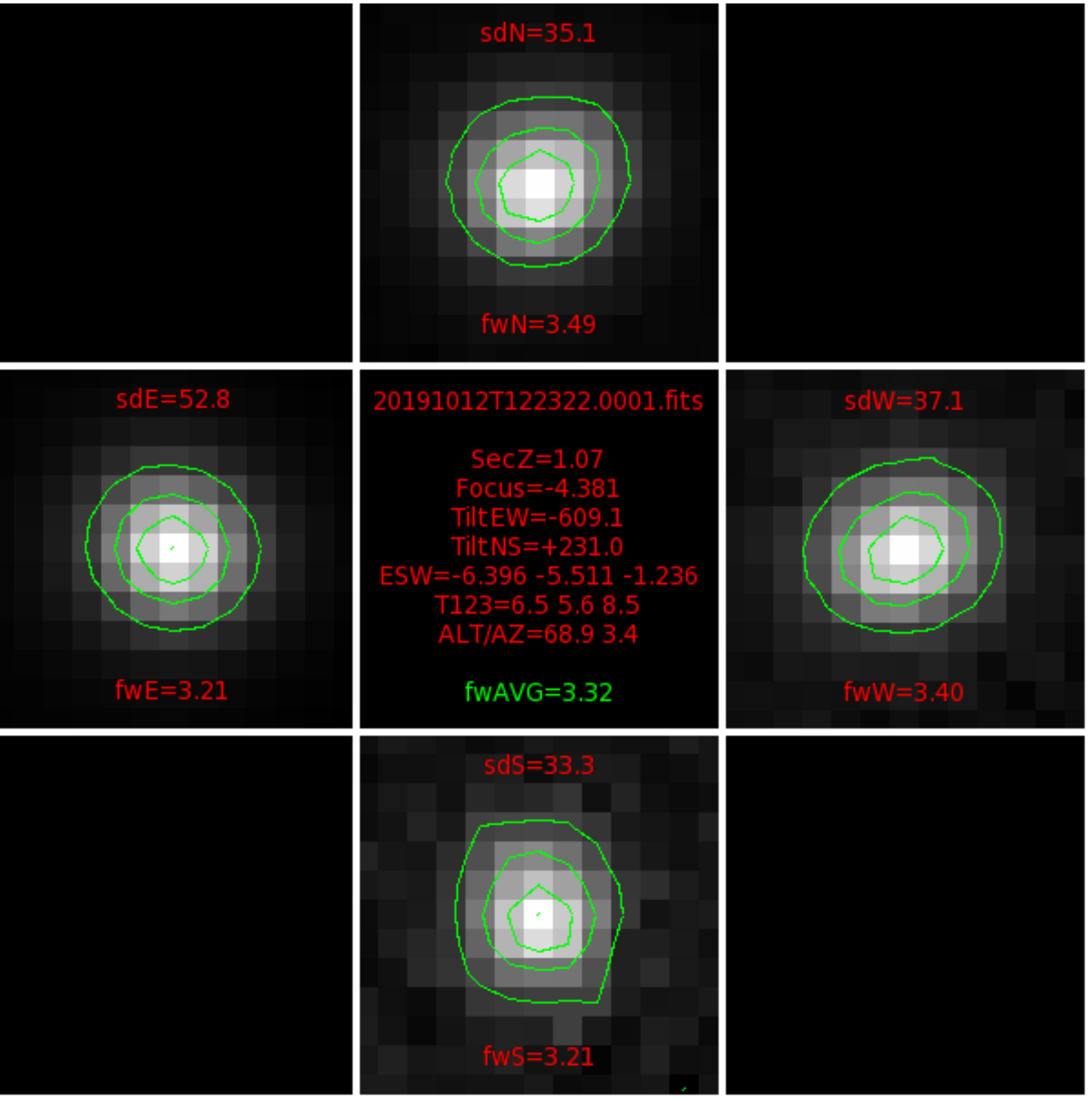
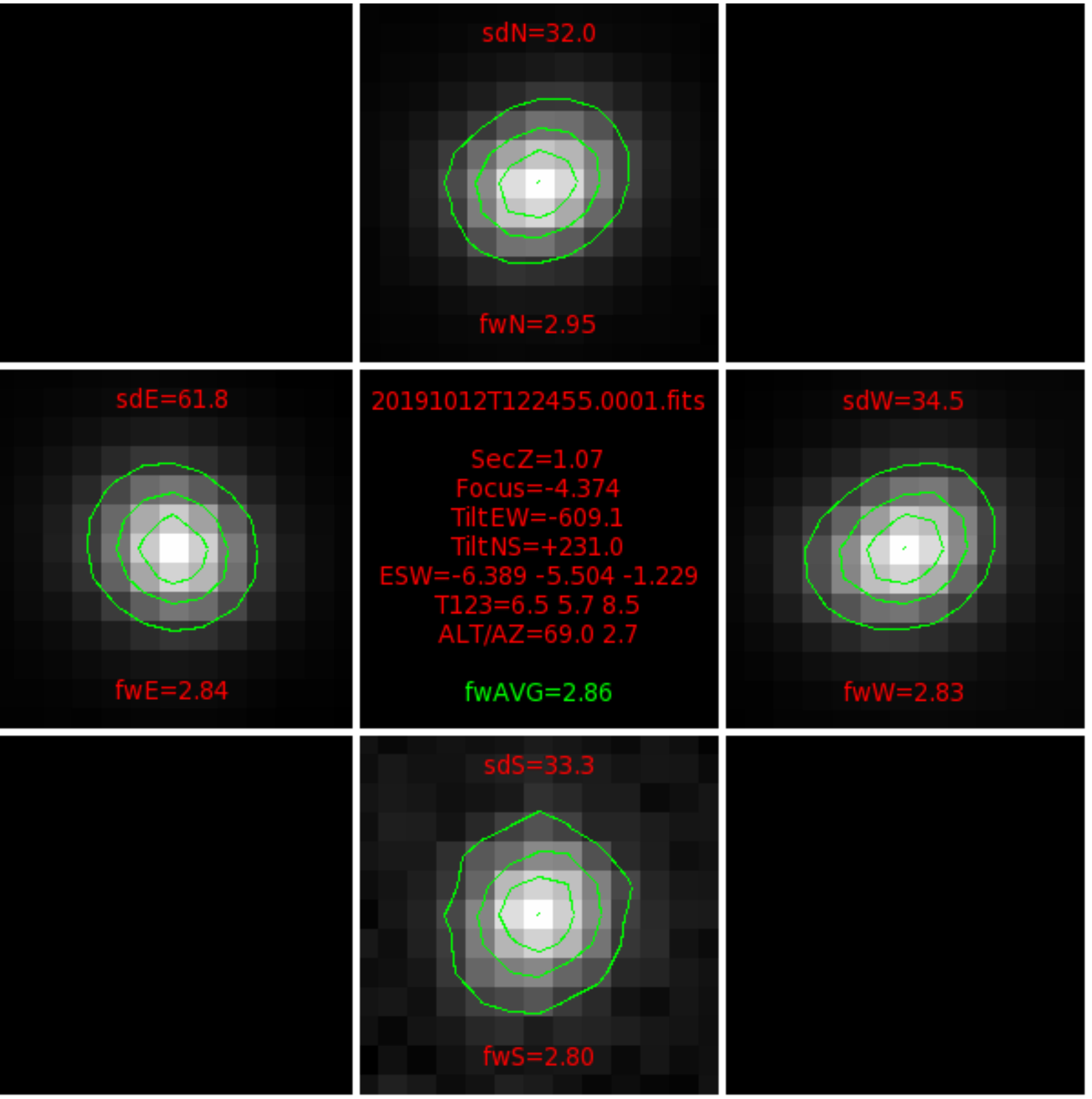
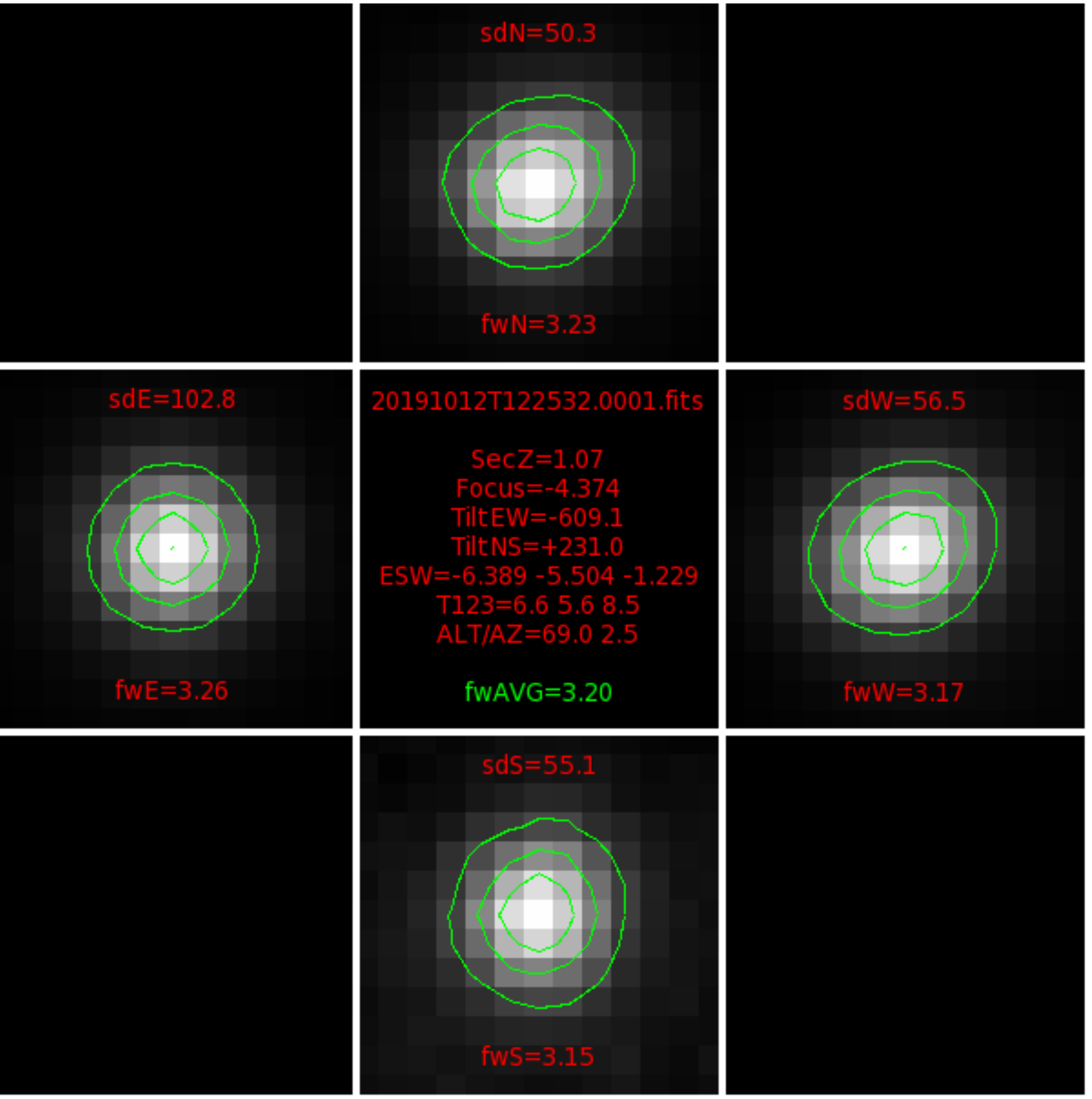
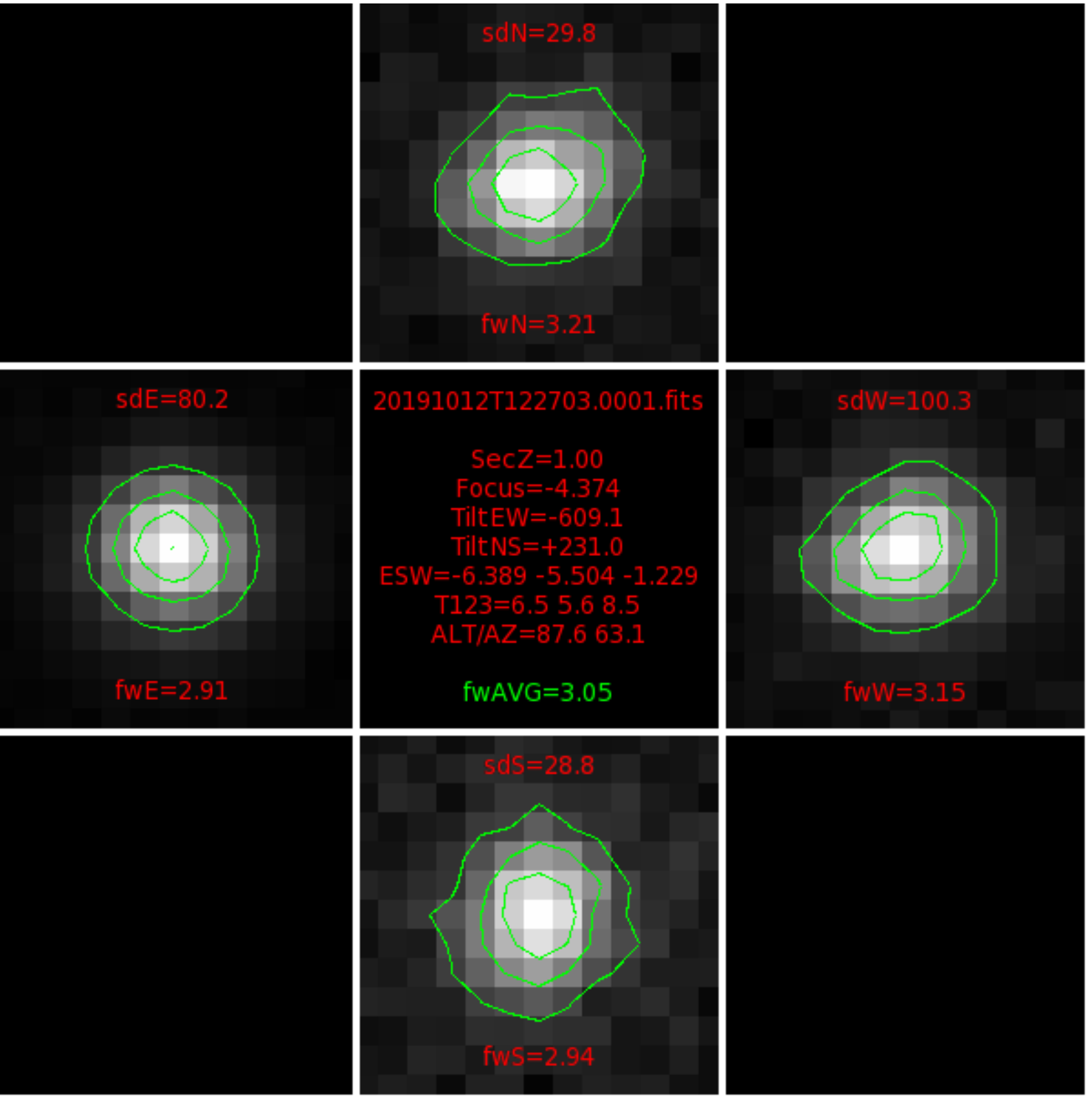

sdN=35.1
fwN=3.49
sdE=52.8
fwE=3.21
20191012T122322.0001.fits
SecZ=1.07
Focus=-4.381
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.396 -5.511 -1.236
T123=6.5 5.6 8.5
ALT/AZ=68.9 3.4
fwAVG=3.32
sdW=37.1
fwW=3.40
sdS=33.3
fwS=3.21
0 0 0 0 0 0 0 0 0


sdN=32.0
fwN=2.95
sdE=61.8
fwE=2.84
20191012T122455.0001.fits
SecZ=1.07
Focus=-4.374
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.389 -5.504 -1.229
T123=6.5 5.7 8.5
ALT/AZ=69.0 2.7
fwAVG=2.86
sdW=34.5
fwW=2.83
sdS=33.3
fwS=2.80
0 0 0 0 0 0 0 0 0


sdN=50.3
fwN=3.23
sdE=102.8
fwE=3.26
20191012T122532.0001.fits
SecZ=1.07
Focus=-4.374
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.389 -5.504 -1.229
T123=6.6 5.6 8.5
ALT/AZ=69.0 2.5
fwAVG=3.20
sdW=56.5
fwW=3.17
sdS=55.1
fwS=3.15
0 0 0 0 0 0 0 0 0


sdN=29.8
fwN=3.21
sdE=80.2
fwE=2.91
20191012T122703.0001.fits
SecZ=1.00
Focus=-4.374
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.389 -5.504 -1.229
T123=6.5 5.6 8.5
ALT/AZ=87.6 63.1
fwAVG=3.05
sdW=100.3
fwW=3.15
sdS=28.8
fwS=2.94
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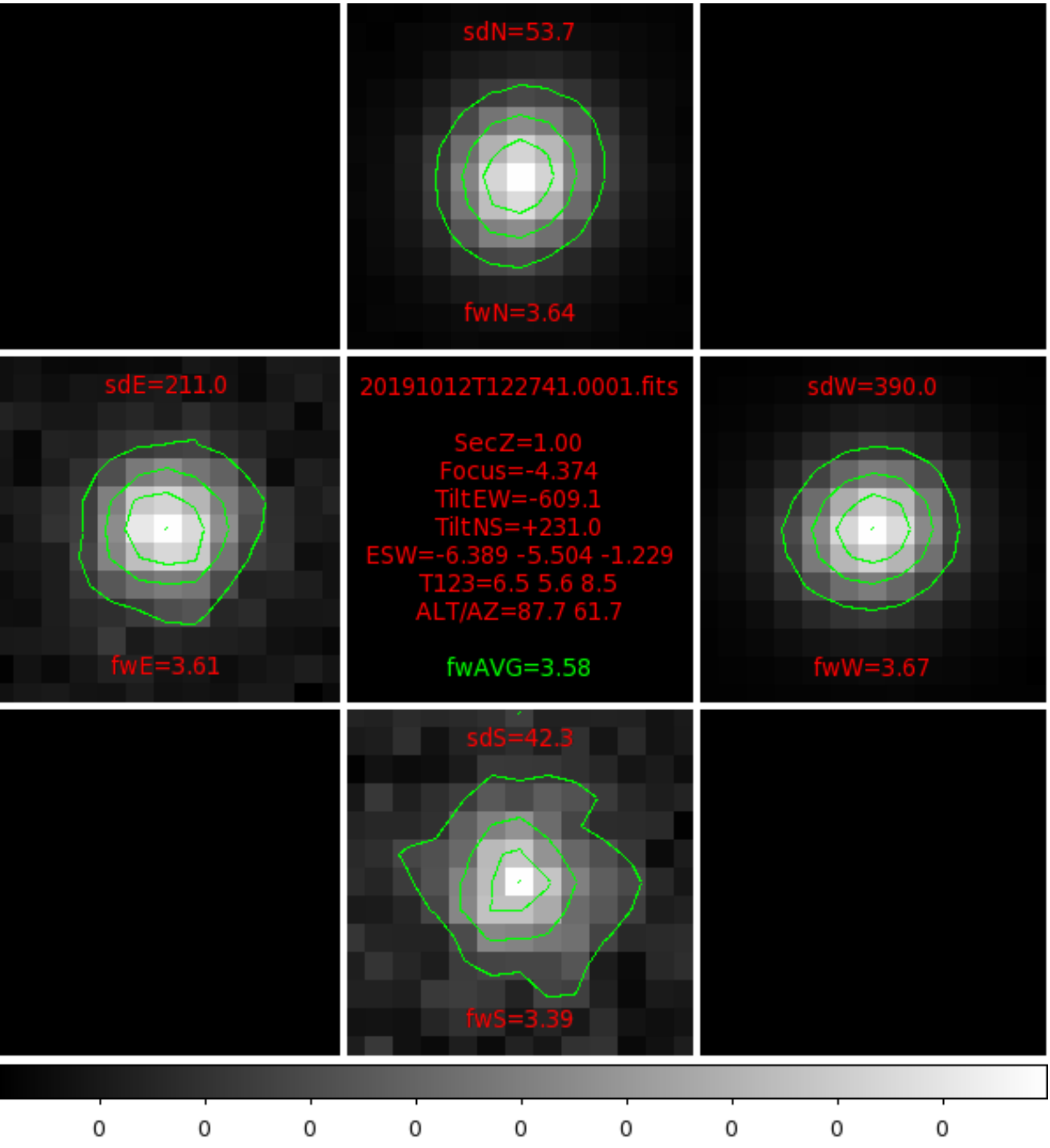
sdN=53.7
fwN=3.64
sdE=211.0
fwE=3.61
20191012T122741.0001.fits
SecZ=1.00
Focus=-4.374
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.389 -5.504 -1.229
T123=6.5 5.6 8.5
ALT/AZ=87.7 61.7
fwAVG=3.58
sdW=390.0
fwW=3.67
sdS=42.3
fwS=3.39
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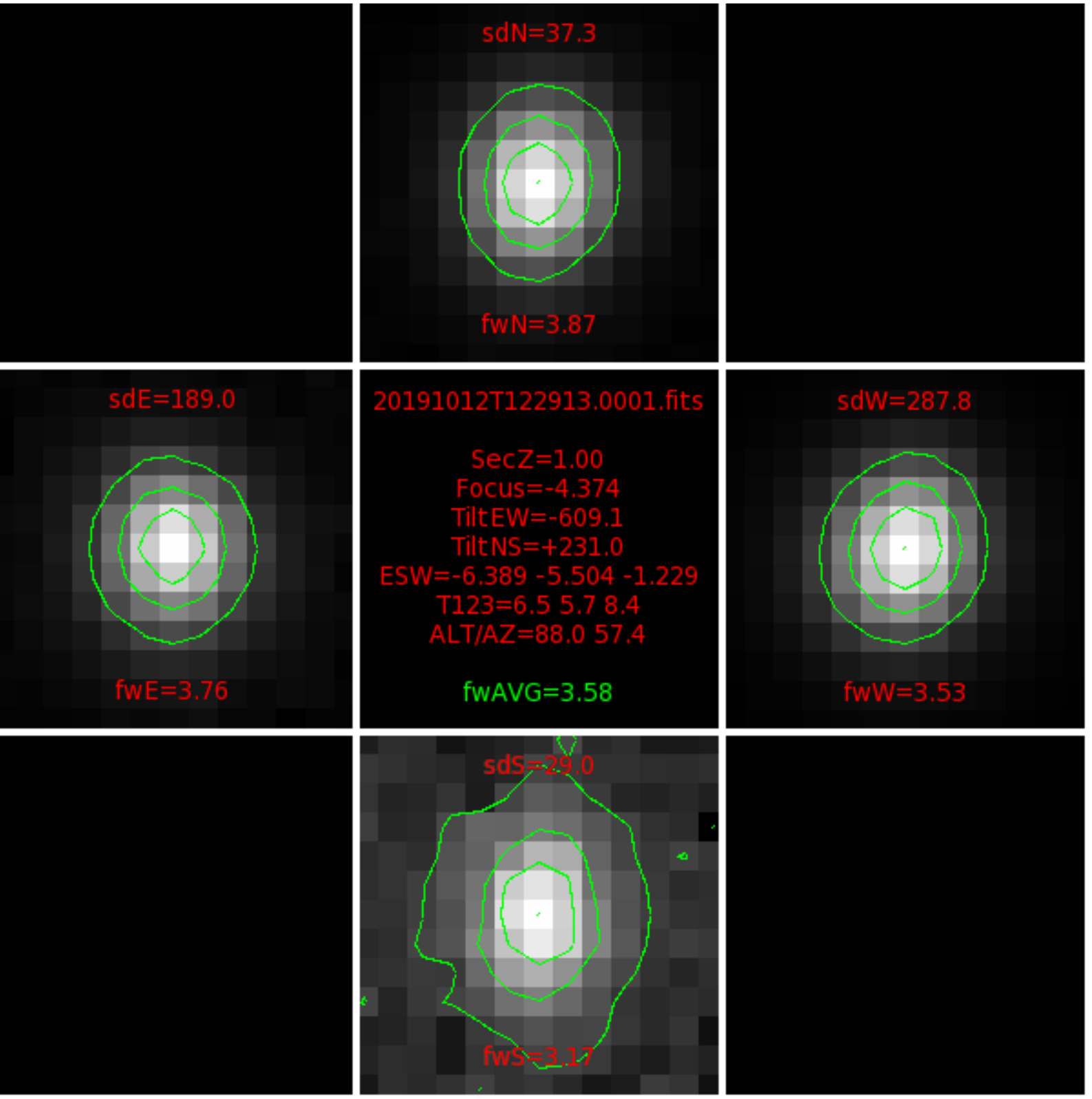
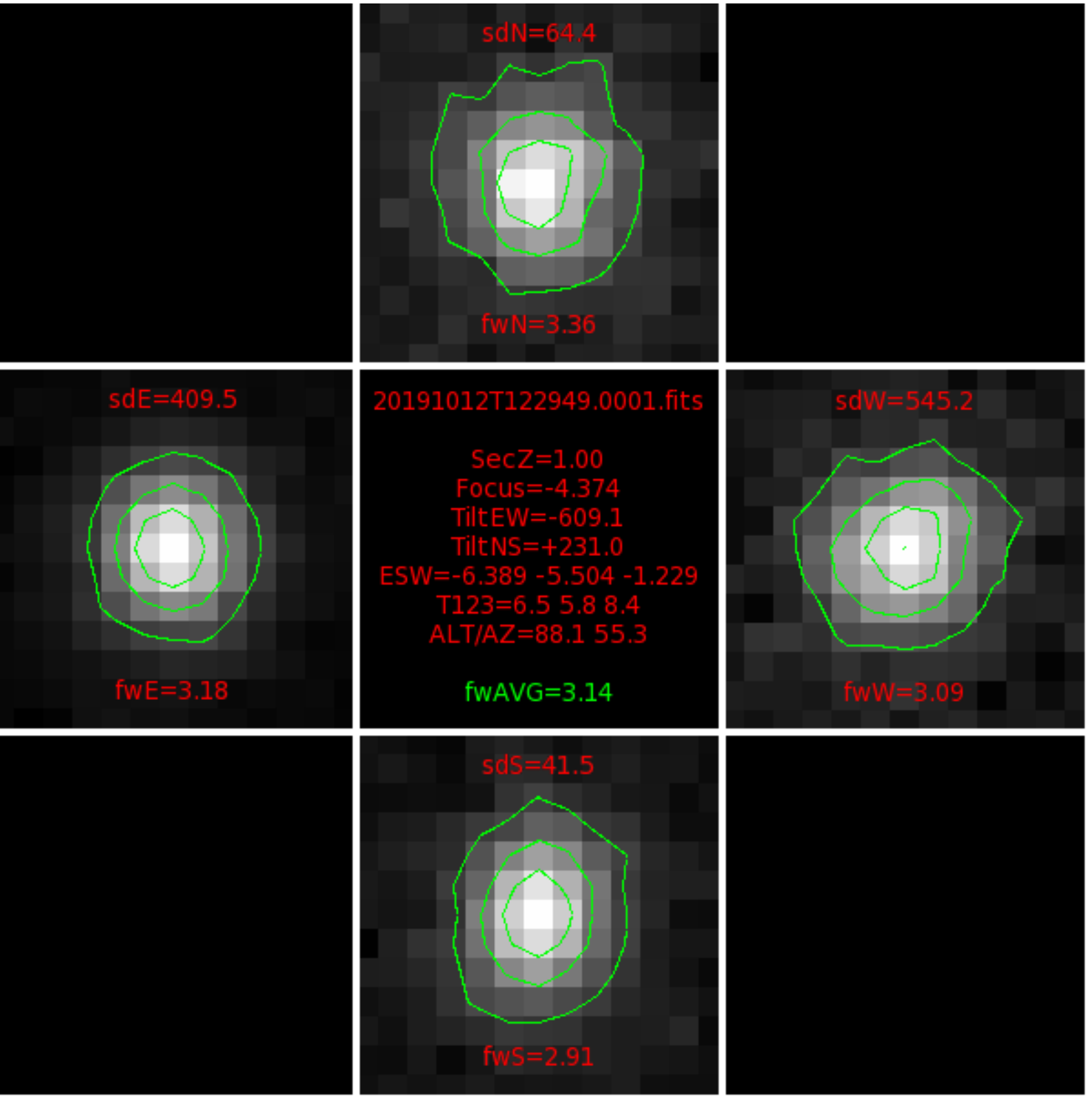

sdN=37.3
fwN=3.87
sdE=189.0
fwE=3.76
20191012T122913.0001.fits
SecZ=1.00
Focus=-4.374
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.389 -5.504 -1.229
T123=6.5 5.7 8.4
ALT/AZ=88.0 57.4
fwAVG=3.58
sdW=287.8
fwW=3.53
sdS=29.0
fwS=3.17
0 0 0 0 0 0 0 0 0


sdN=64.4
fwN=3.36
sdE=409.5
fwE=3.18
20191012T122949.0001.fits
SecZ=1.00
Focus=-4.374
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.389 -5.504 -1.229
T123=6.5 5.8 8.4
ALT/AZ=88.1 55.3
fwAVG=3.14
sdW=545.2
fwW=3.09
sdS=41.5
fwS=2.91
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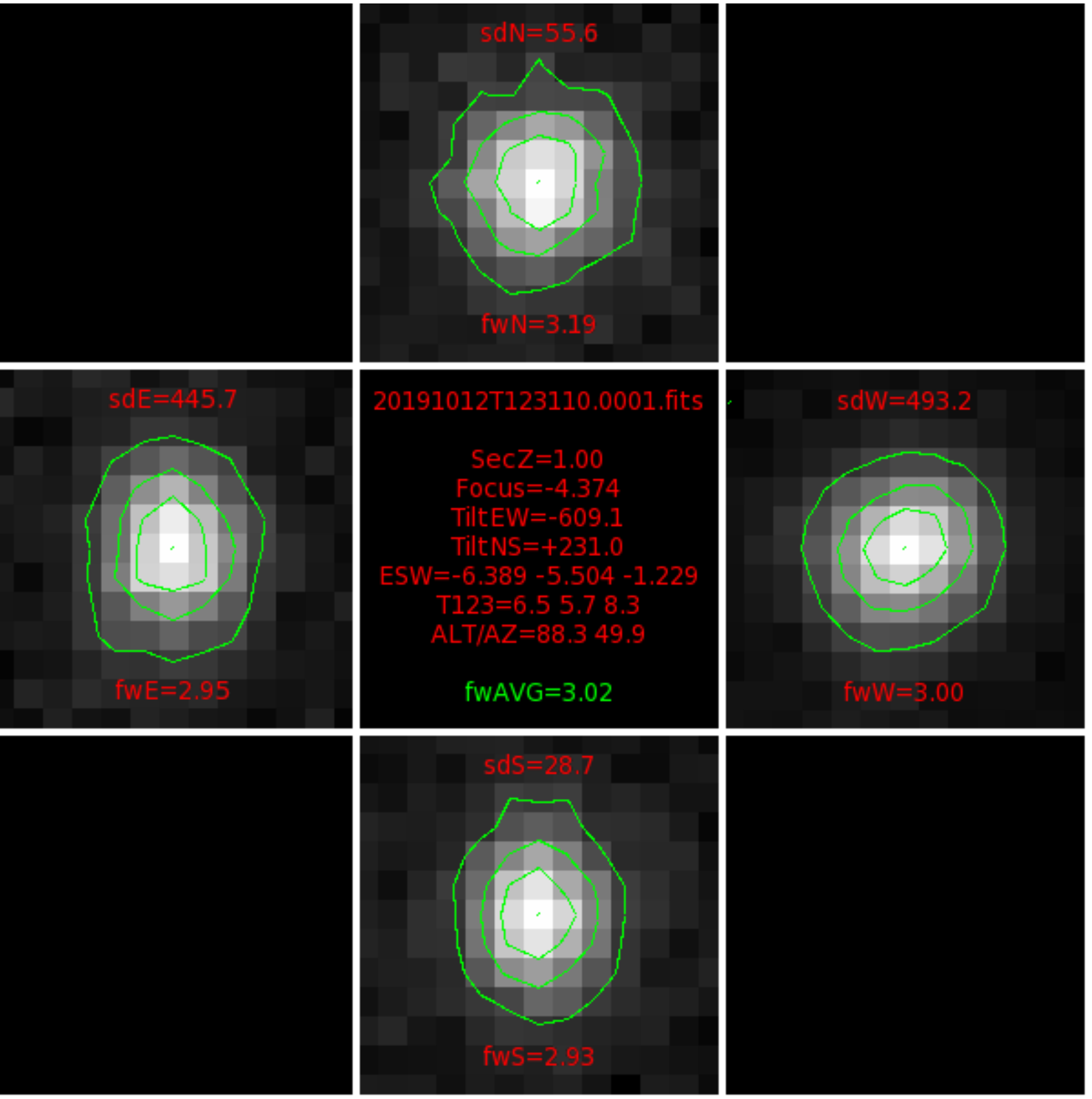
sdN=55.6
fwN=3.19
sdE=445.7
fwE=2.95
20191012T123110.0001.fits
SecZ=1.00
Focus=-4.374
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.389 -5.504 -1.229
T123=6.5 5.7 8.3
ALT/AZ=88.3 49.9
fwAVG=3.02
sdW=493.2
fwW=3.00
sdS=28.7
fwS=2.93
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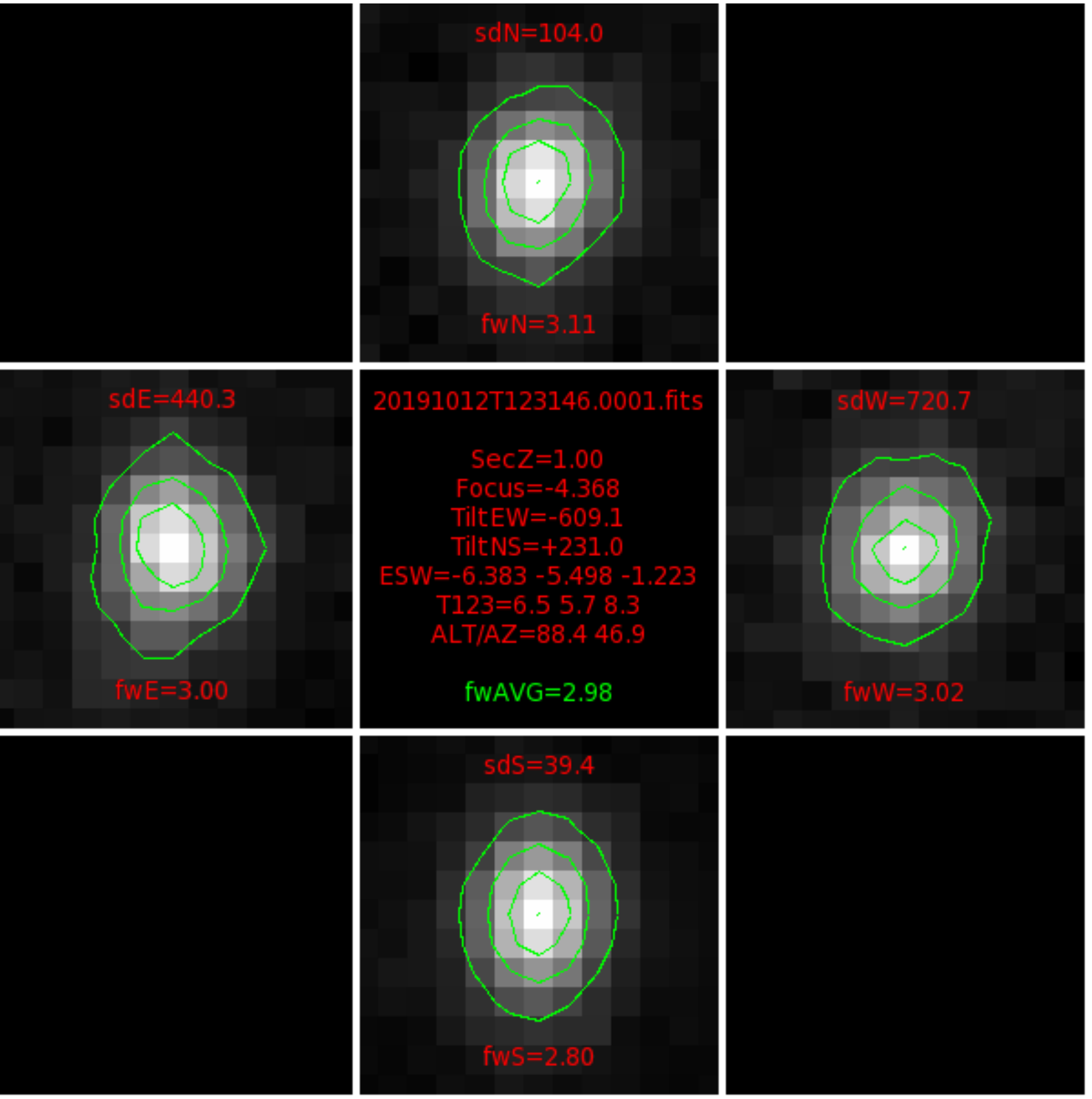
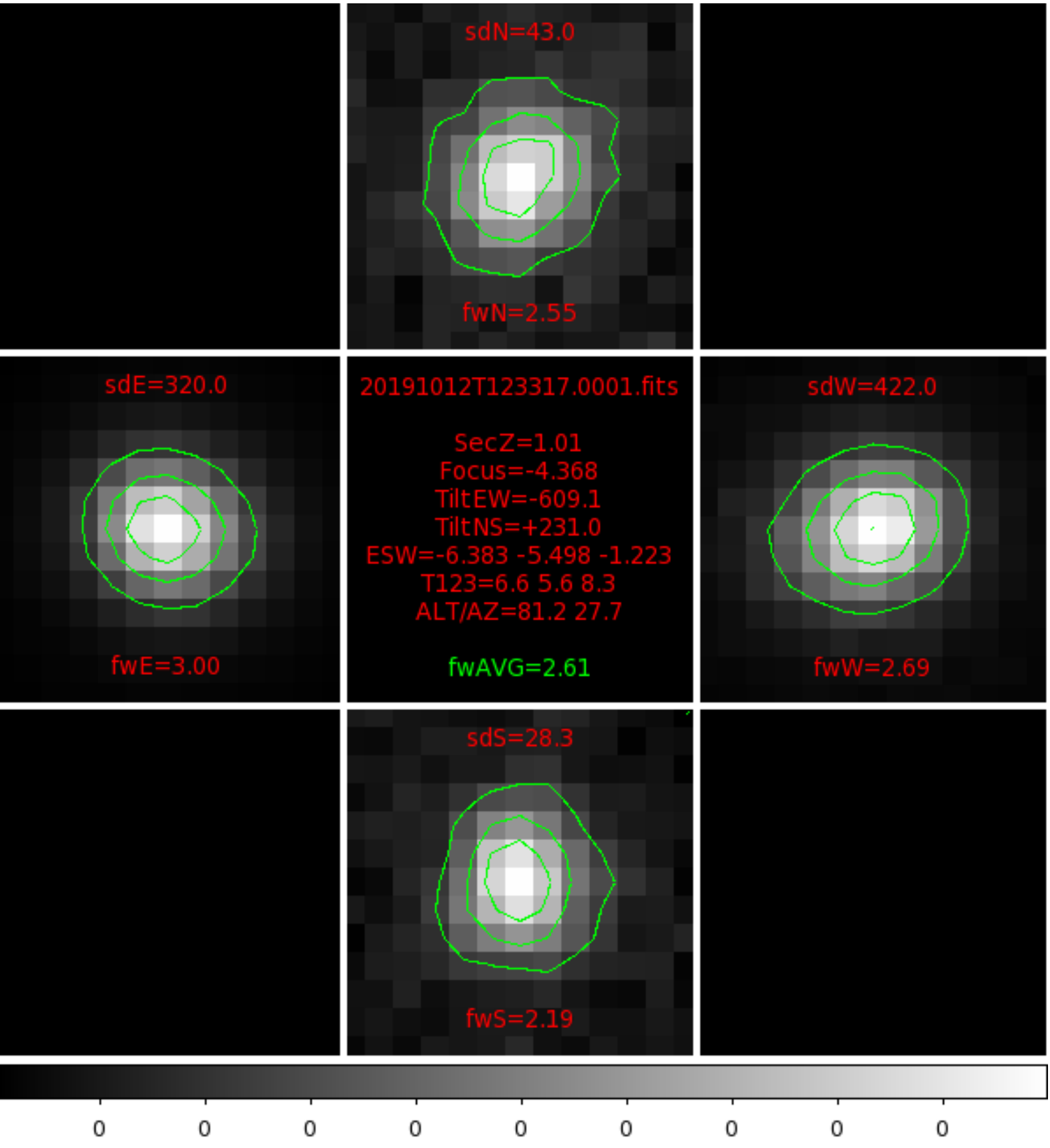

sdN=104.0
fwN=3.11
sdE=440.3
fwE=3.00
20191012T123146.0001.fits
SecZ=1.00
Focus=-4.368
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.383 -5.498 -1.223
T123=6.5 5.7 8.3
ALT/AZ=88.4 46.9
fwAVG=2.98
sdW=720.7
fwW=3.02
sdS=39.4
fwS=2.80
0 0 0 0 0 0 0 0 0


sdN=43.0
fwN=2.55
sdE=320.0
fwE=3.00
20191012T123317.0001.fits
SecZ=1.01
Focus=-4.368
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.383 -5.498 -1.223
T123=6.6 5.6 8.3
ALT/AZ=81.2 27.7
fwAVG=2.61
sdW=422.0
fwW=2.69
sdS=28.3
fwS=2.19
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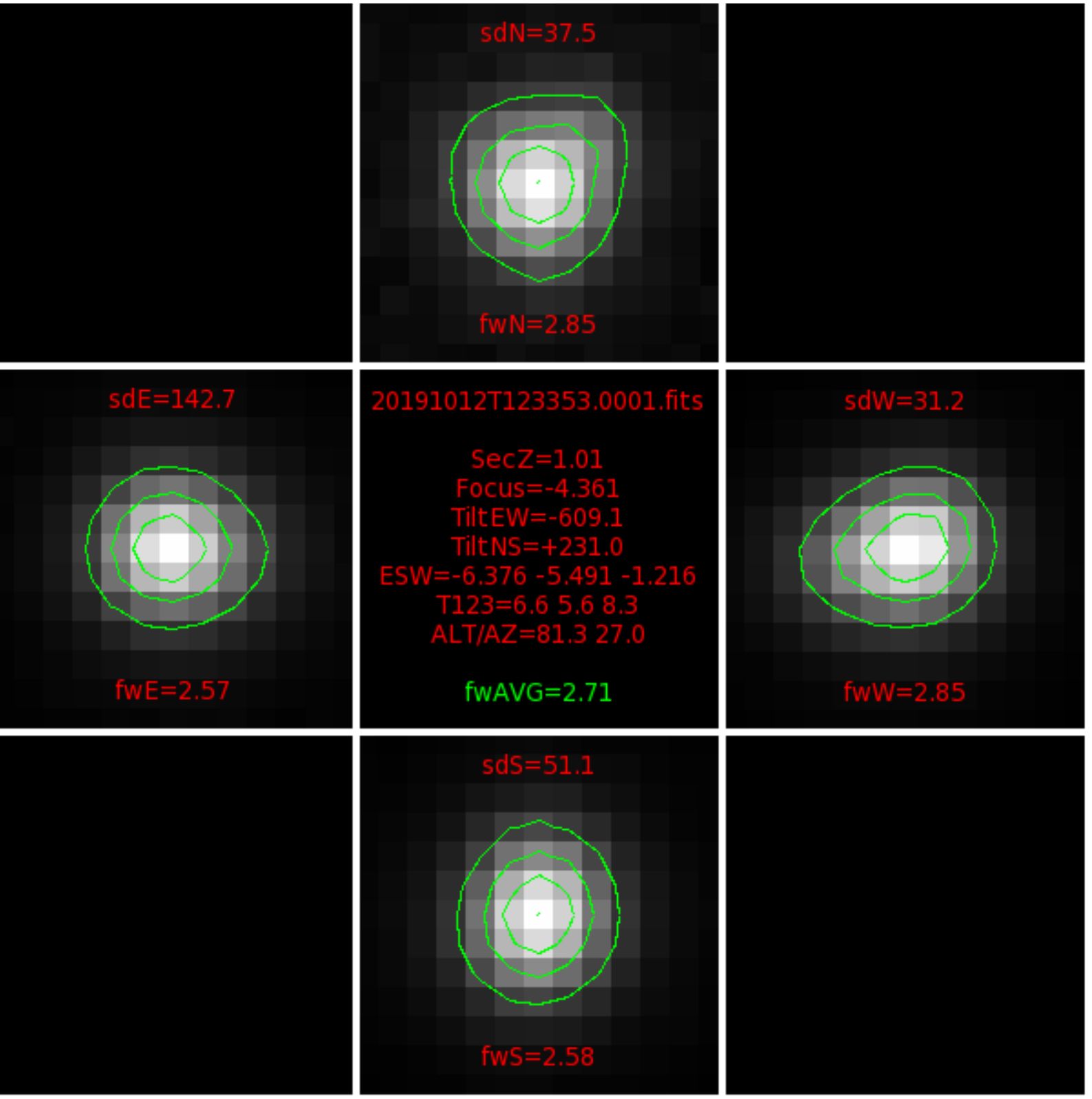
sdN=37.5
fwN=2.85
sdE=142.7
fwE=2.57
20191012T123353.0001.fits
SecZ=1.01
Focus=-4.361
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.376 -5.491 -1.216
T123=6.6 5.6 8.3
ALT/AZ=81.3 27.0
fwAVG=2.71
sdW=31.2
fwW=2.85
sdS=51.1
fwS=2.58
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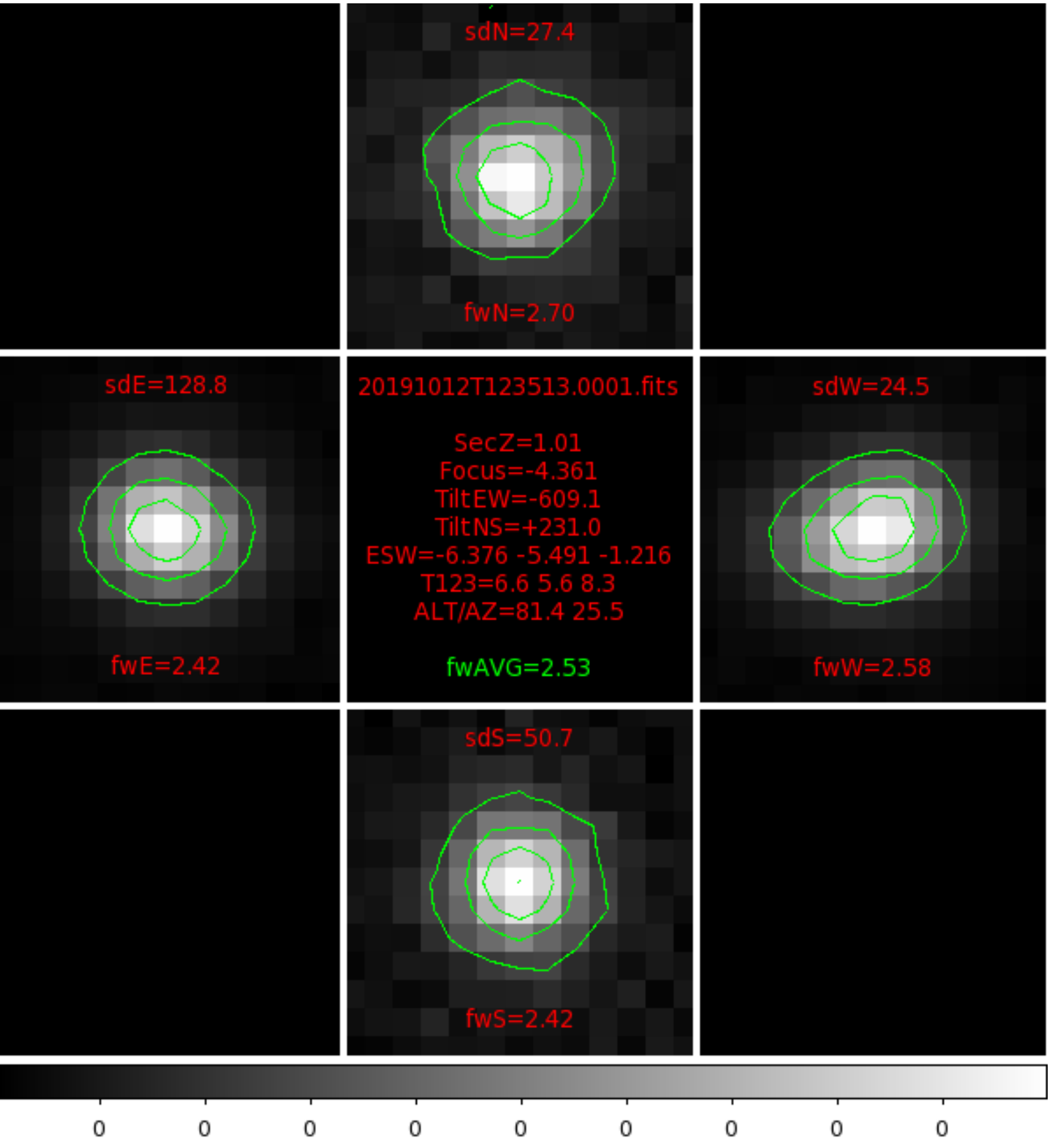
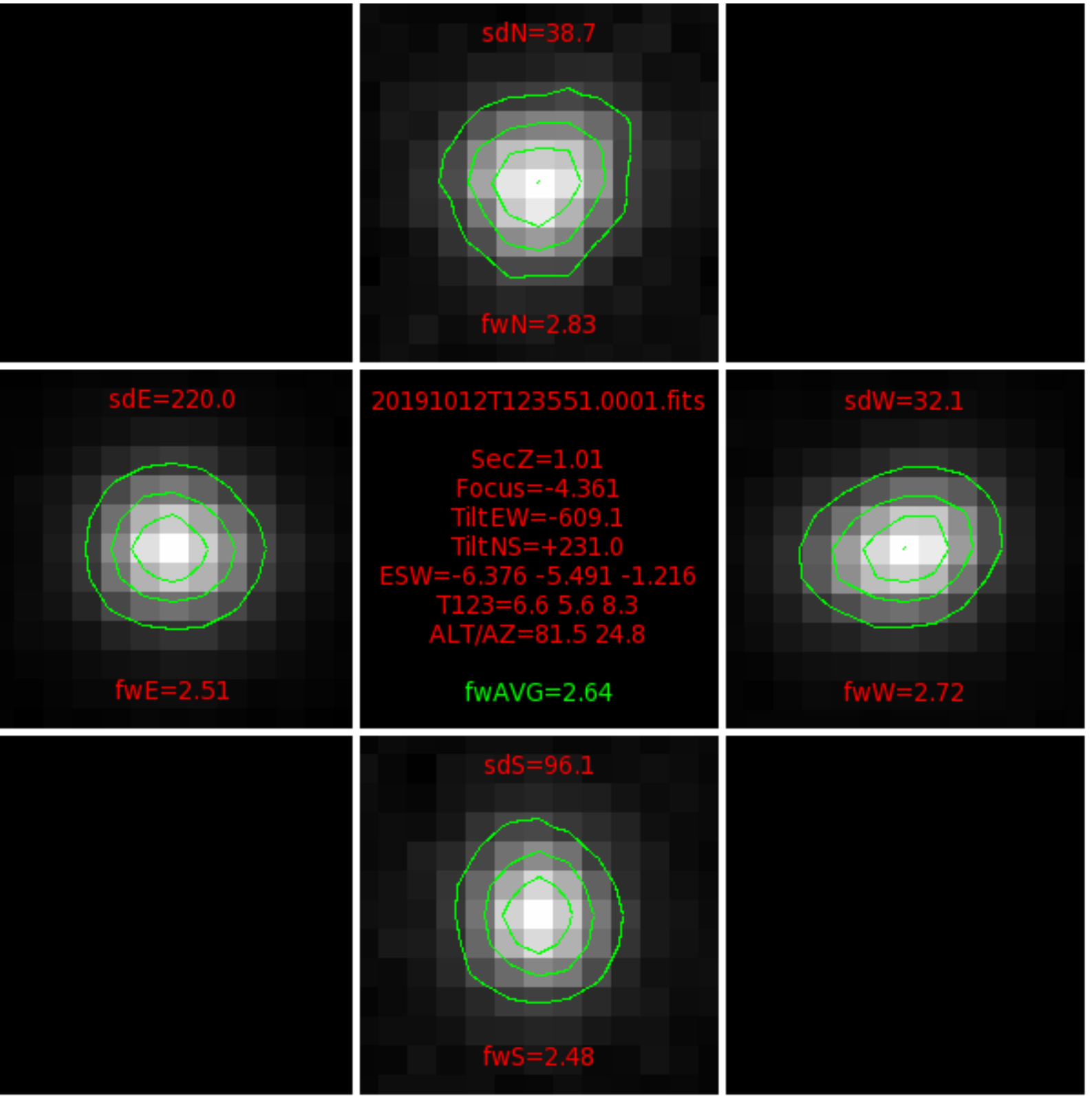

sdN=27.4
fwN=2.70
sdE=128.8
fwE=2.42
20191012T123513.0001.fits
SecZ=1.01
Focus=-4.361
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.376 -5.491 -1.216
T123=6.6 5.6 8.3
ALT/AZ=81.4 25.5
fwAVG=2.53
sdW=24.5
fwW=2.58
sdS=50.7
fwS=2.42
0 0 0 0 0 0 0 0 0


sdN=38.7
fwN=2.83
sdE=220.0
fwE=2.51
20191012T123551.0001.fits
SecZ=1.01
Focus=-4.361
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.376 -5.491 -1.216
T123=6.6 5.6 8.3
ALT/AZ=81.5 24.8
fwAVG=2.64
sdW=32.1
fwW=2.72
sdS=96.1
fwS=2.48
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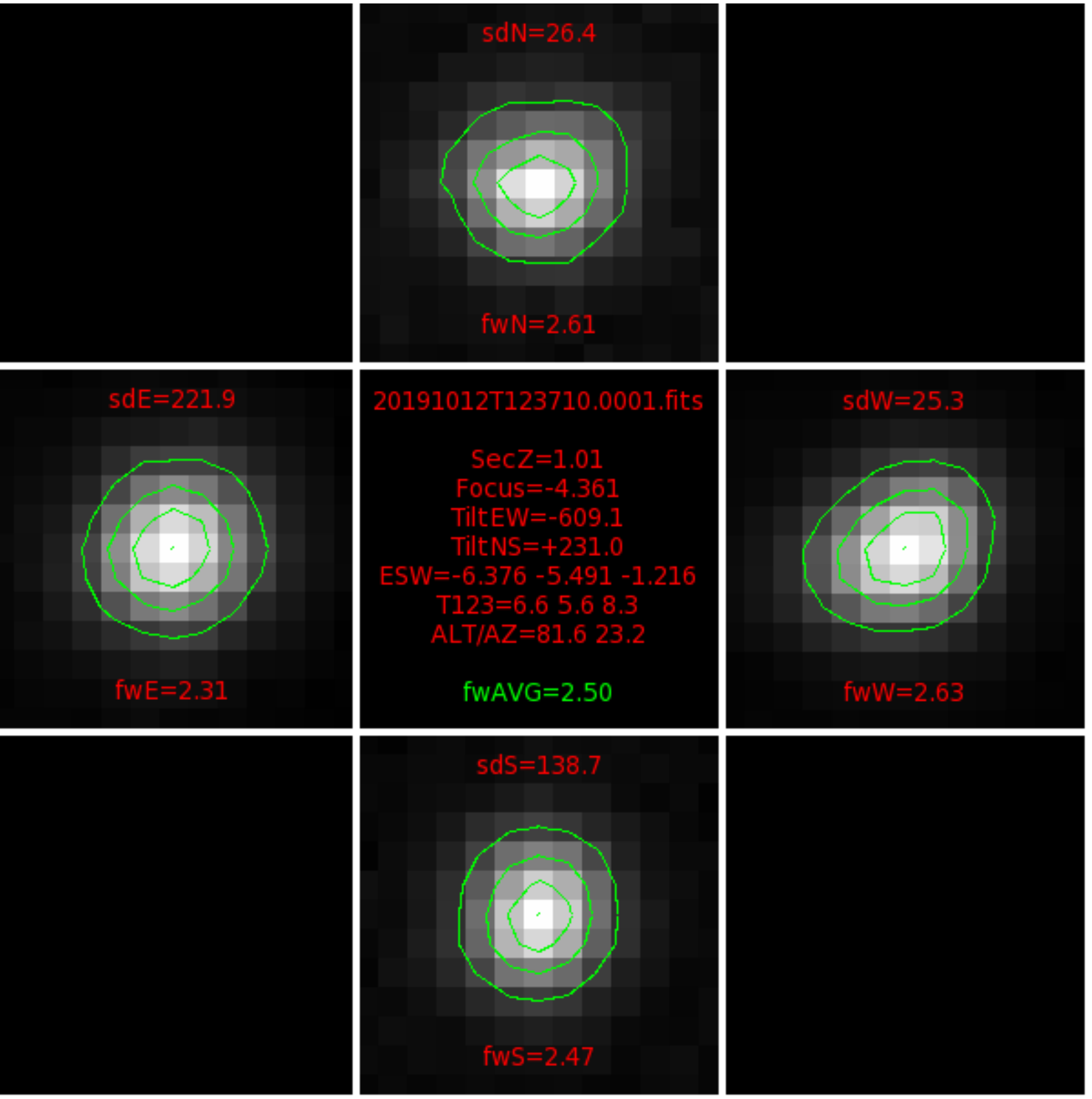
sdN=26.4
fwN=2.61
sdE=221.9
fwE=2.31
20191012T123710.0001.fits
SecZ=1.01
Focus=-4.361
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.376 -5.491 -1.216
T123=6.6 5.6 8.3
ALT/AZ=81.6 23.2
fwAVG=2.50
sdW=25.3
fwW=2.63
sdS=138.7
fwS=2.47
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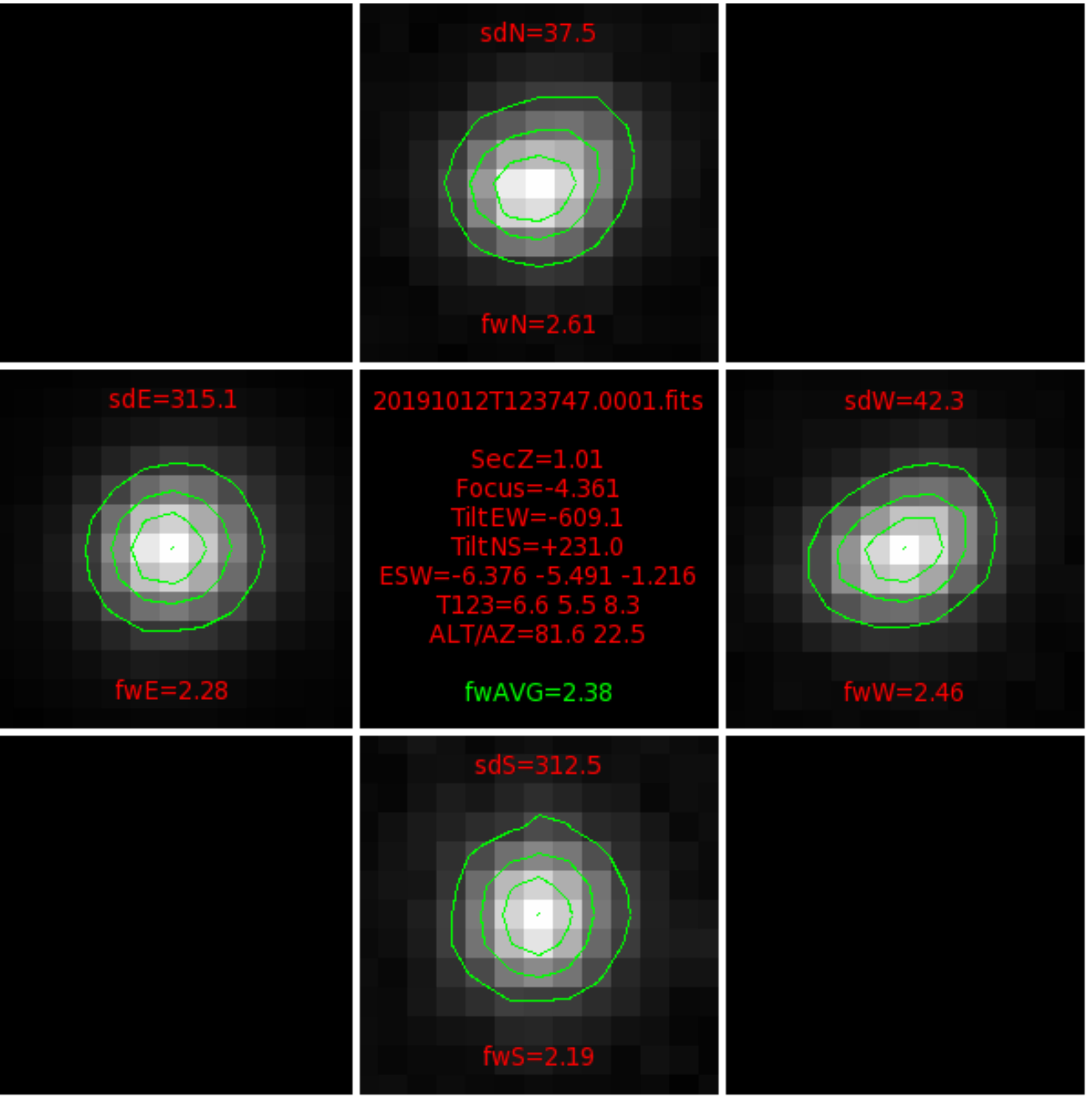
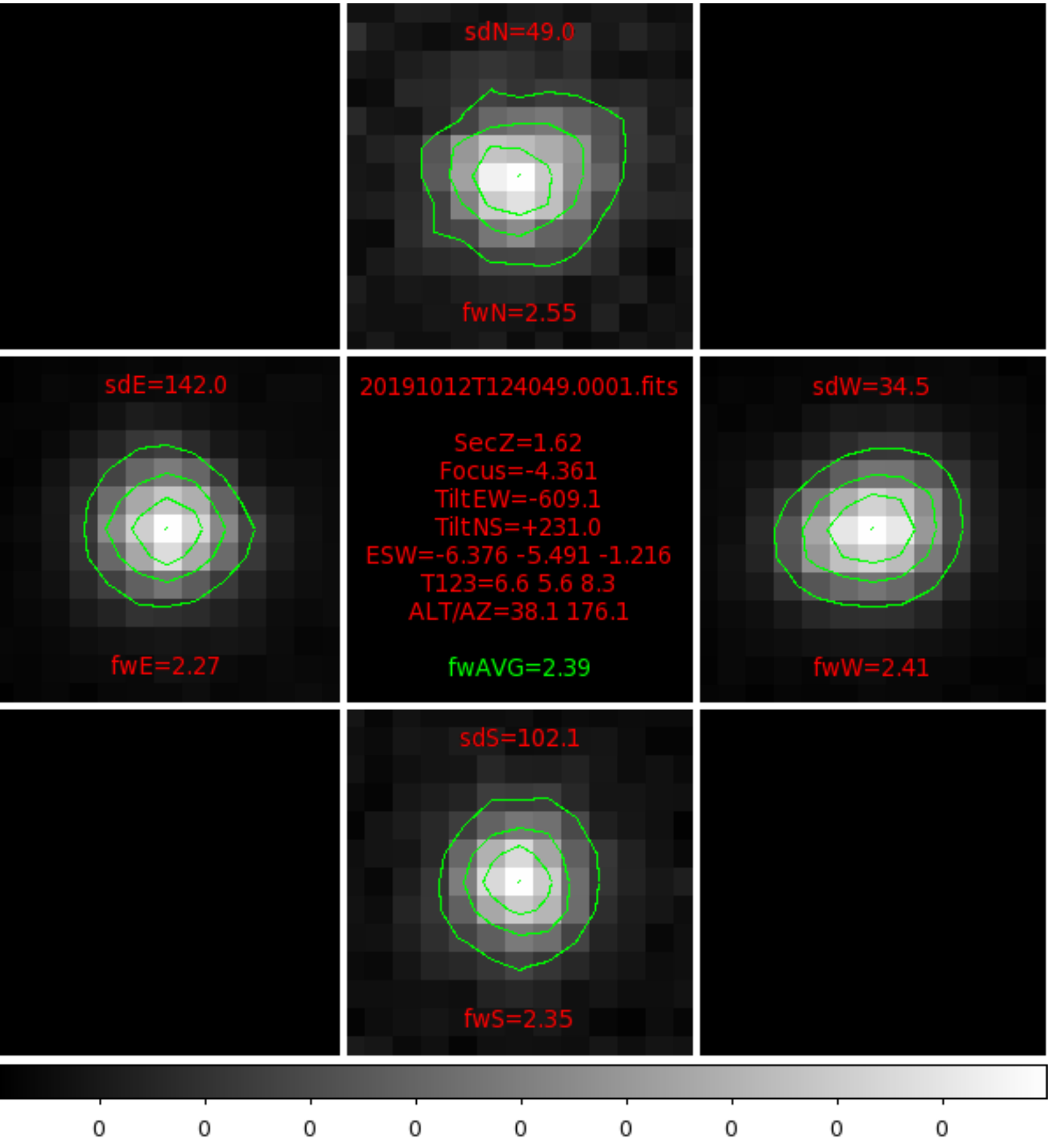

sdN=37.5
fwN=2.61
sdE=315.1
fwE=2.28
20191012T123747.0001.fits
SecZ=1.01
Focus=-4.361
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.376 -5.491 -1.216
T123=6.6 5.5 8.3
ALT/AZ=81.6 22.5
fwAVG=2.38
sdW=42.3
fwW=2.46
sdS=312.5
fwS=2.19
0 0 0 0 0 0 0 0 0


sdN=49.0
fwN=2.55
sdE=142.0
fwE=2.27
20191012T124049.0001.fits
SecZ=1.62
Focus=-4.361
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.376 -5.491 -1.216
T123=6.6 5.6 8.3
ALT/AZ=38.1 176.1
fwAVG=2.39
sdW=34.5
fwW=2.41
sdS=102.1
fwS=2.35
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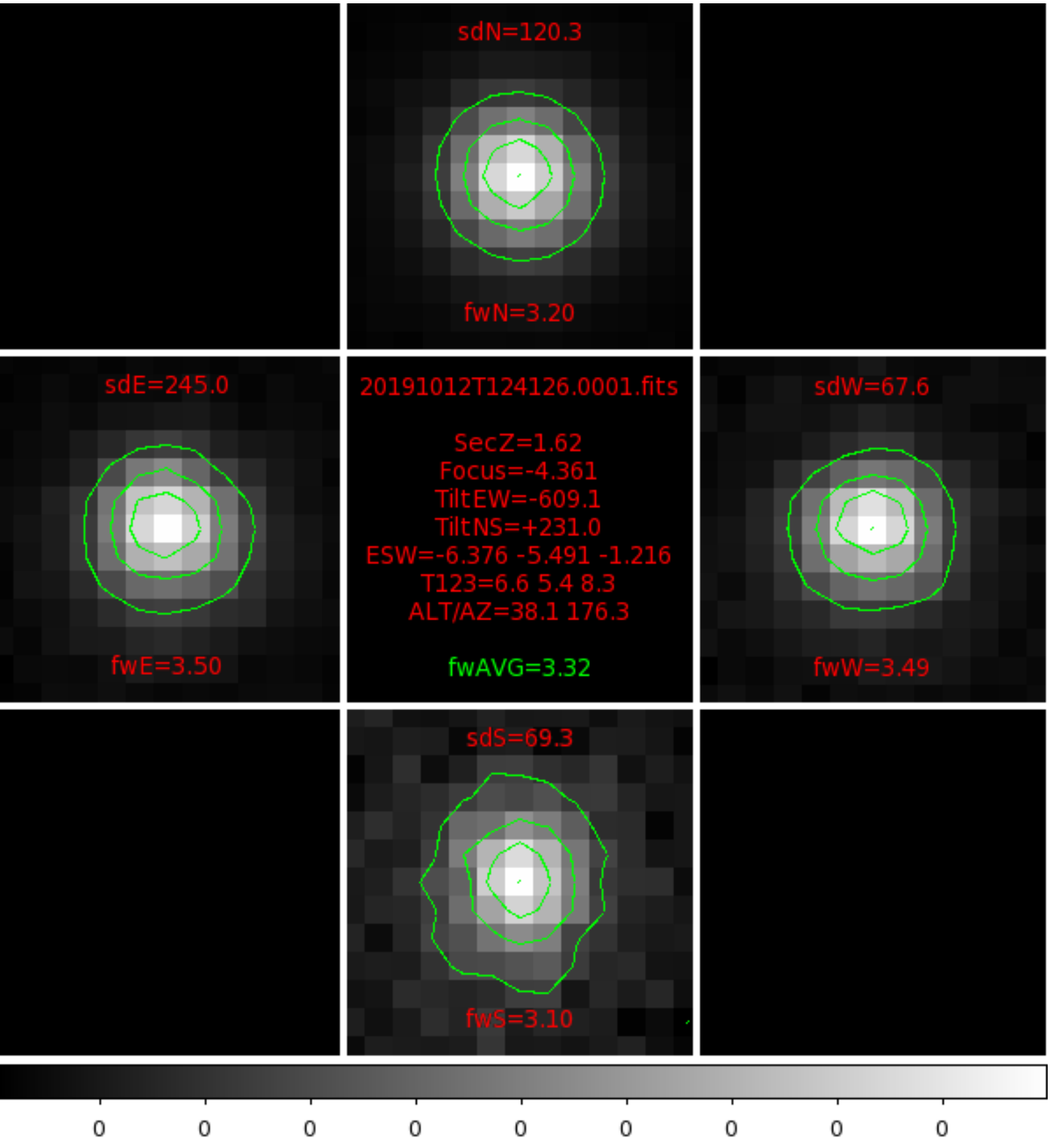
sdN=120.3
fwN=3.20
sdE=245.0
fwE=3.50
20191012T124126.0001.fits
SecZ=1.62
Focus=-4.361
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.376 -5.491 -1.216
T123=6.6 5.4 8.3
ALT/AZ=38.1 176.3
fwAVG=3.32
sdW=67.6
fwW=3.49
sdS=69.3
fwS=3.10
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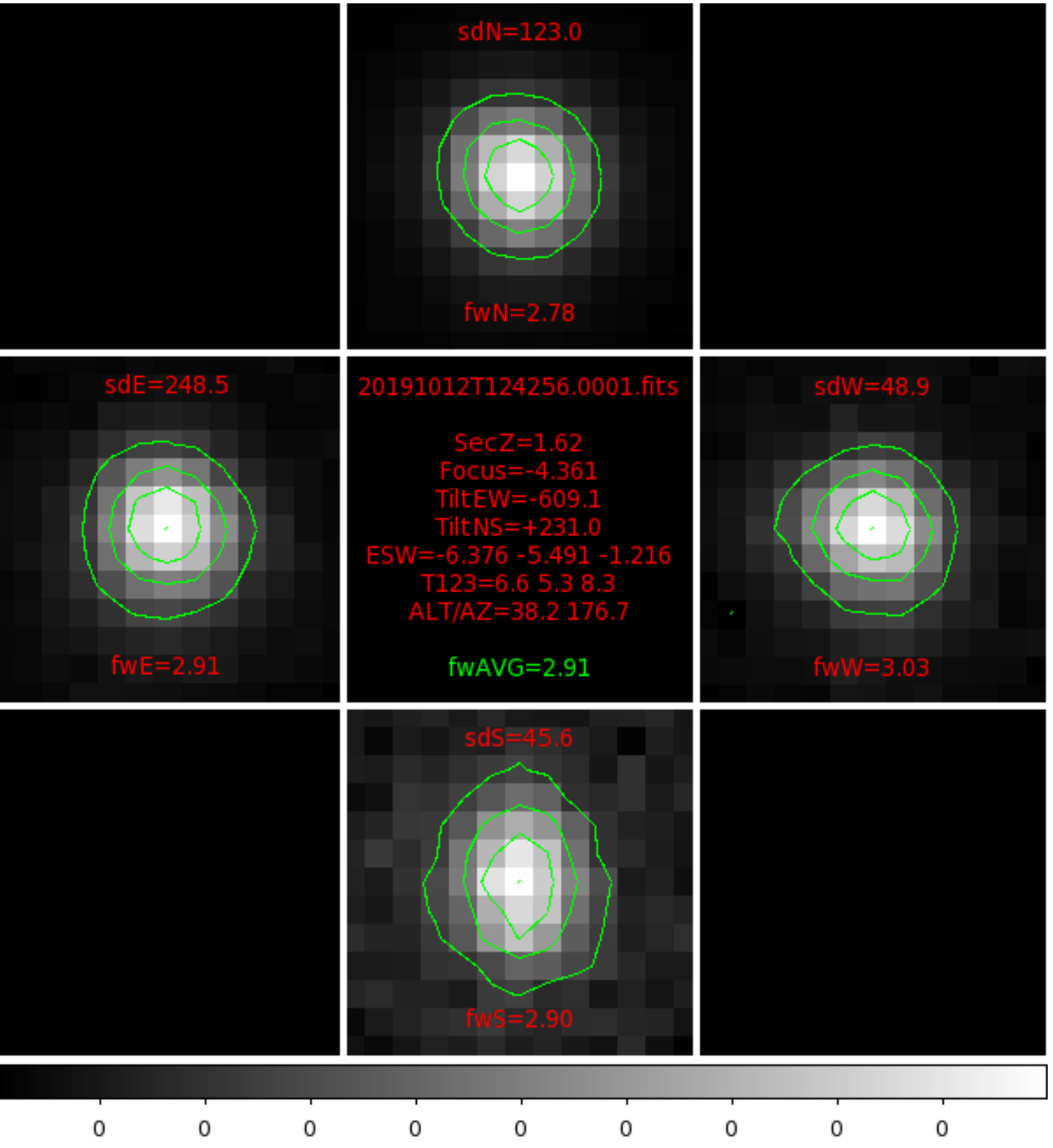
sdN=123.0
fwN=2.78
sdE=248.5
fwE=2.91
20191012T124256.0001.fits
SecZ=1.62
Focus=-4.361
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.376 -5.491 -1.216
T123=6.6 5.3 8.3
ALT/AZ=38.2 176.7
fwAVG=2.91
sdW=48.9
fwW=3.03
sdS=45.6
fwS=2.90
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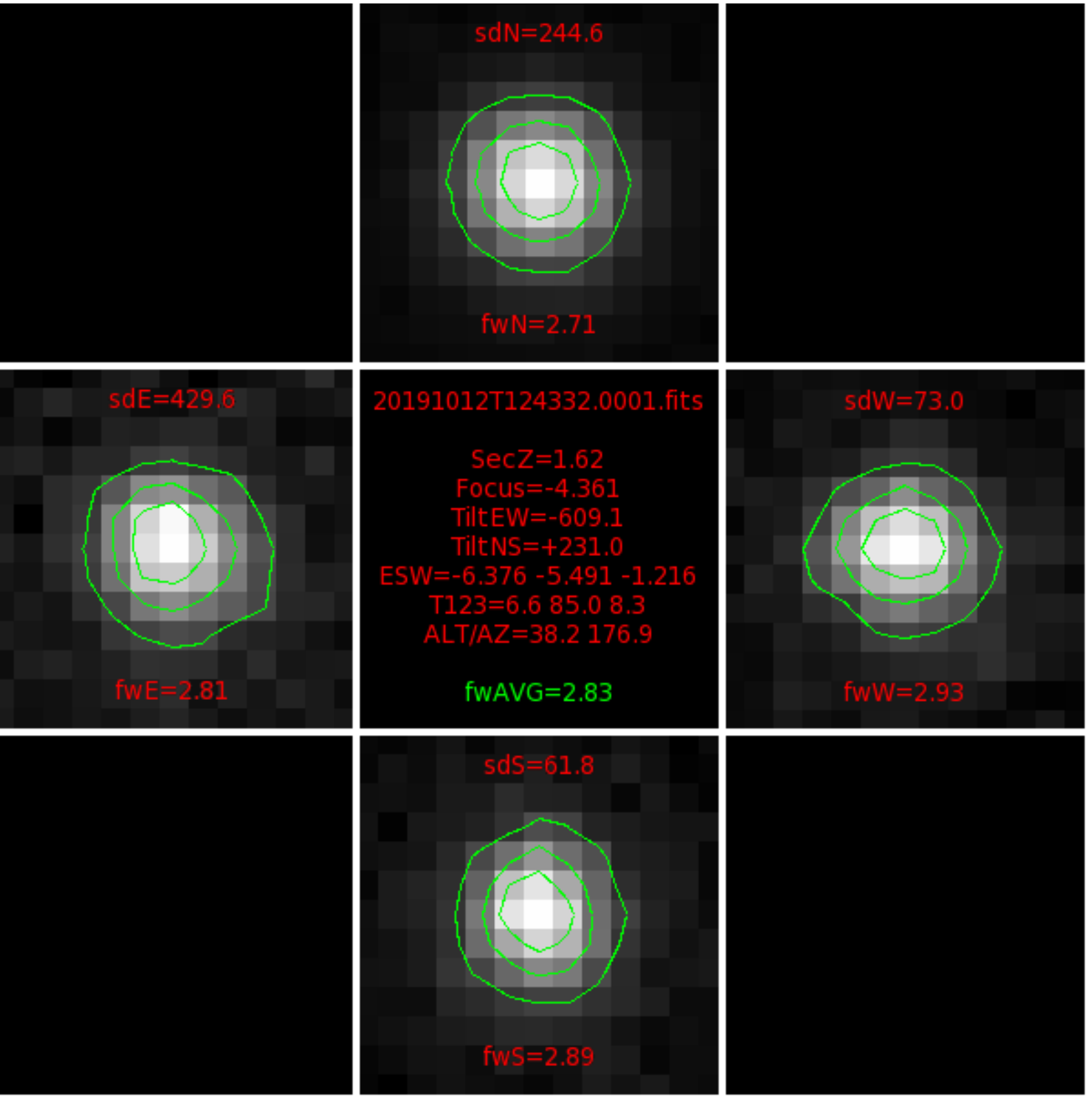
sdN=244.6
fwN=2.71
sdE=429.6
fwE=2.81
20191012T124332.0001.fits
SecZ=1.62
Focus=-4.361
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.376 -5.491 -1.216
T123=6.6 85.0 8.3
ALT/AZ=38.2 176.9
fwAVG=2.83
sdW=73.0
fwW=2.93
sdS=61.8
fwS=2.89
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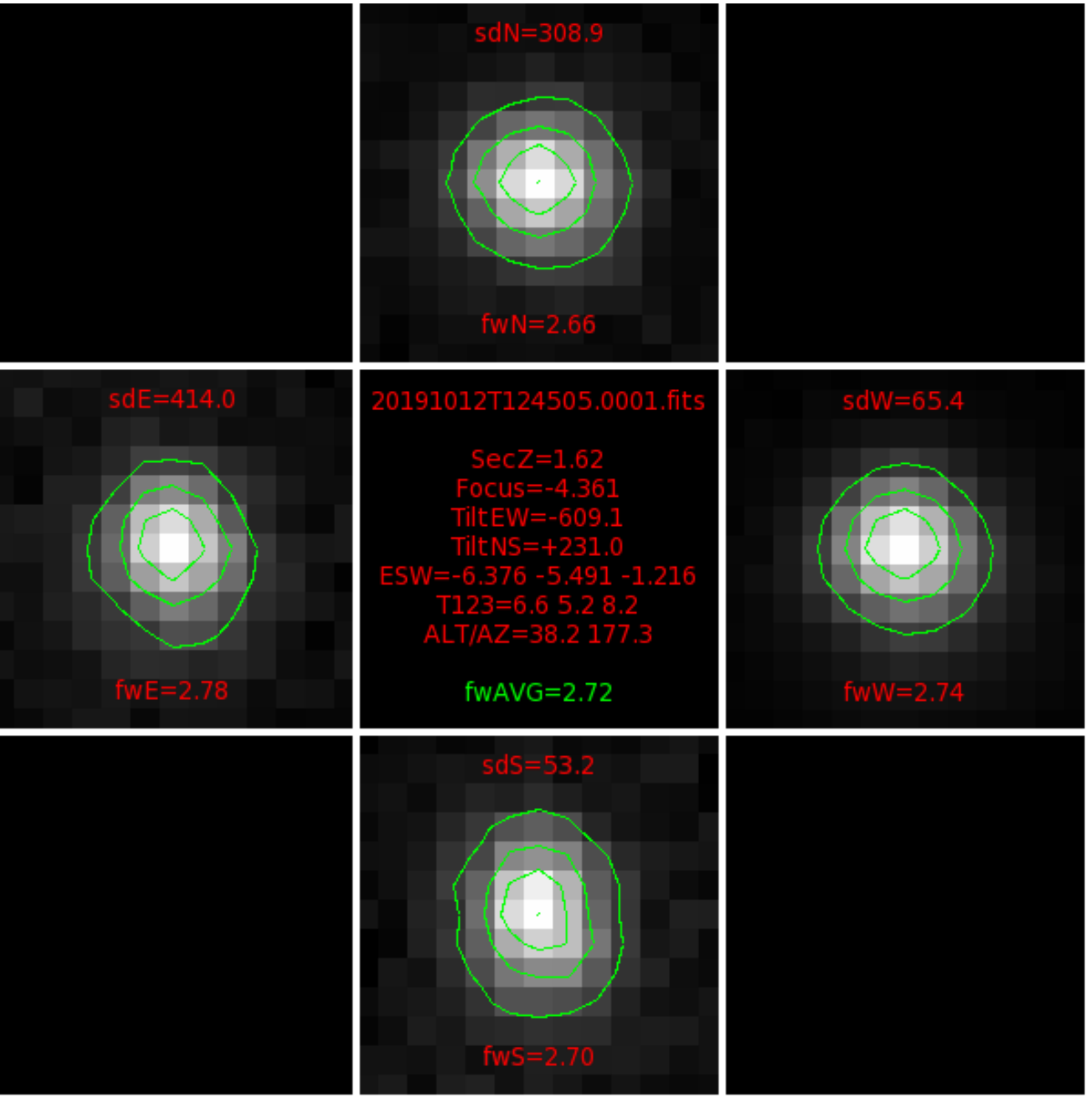
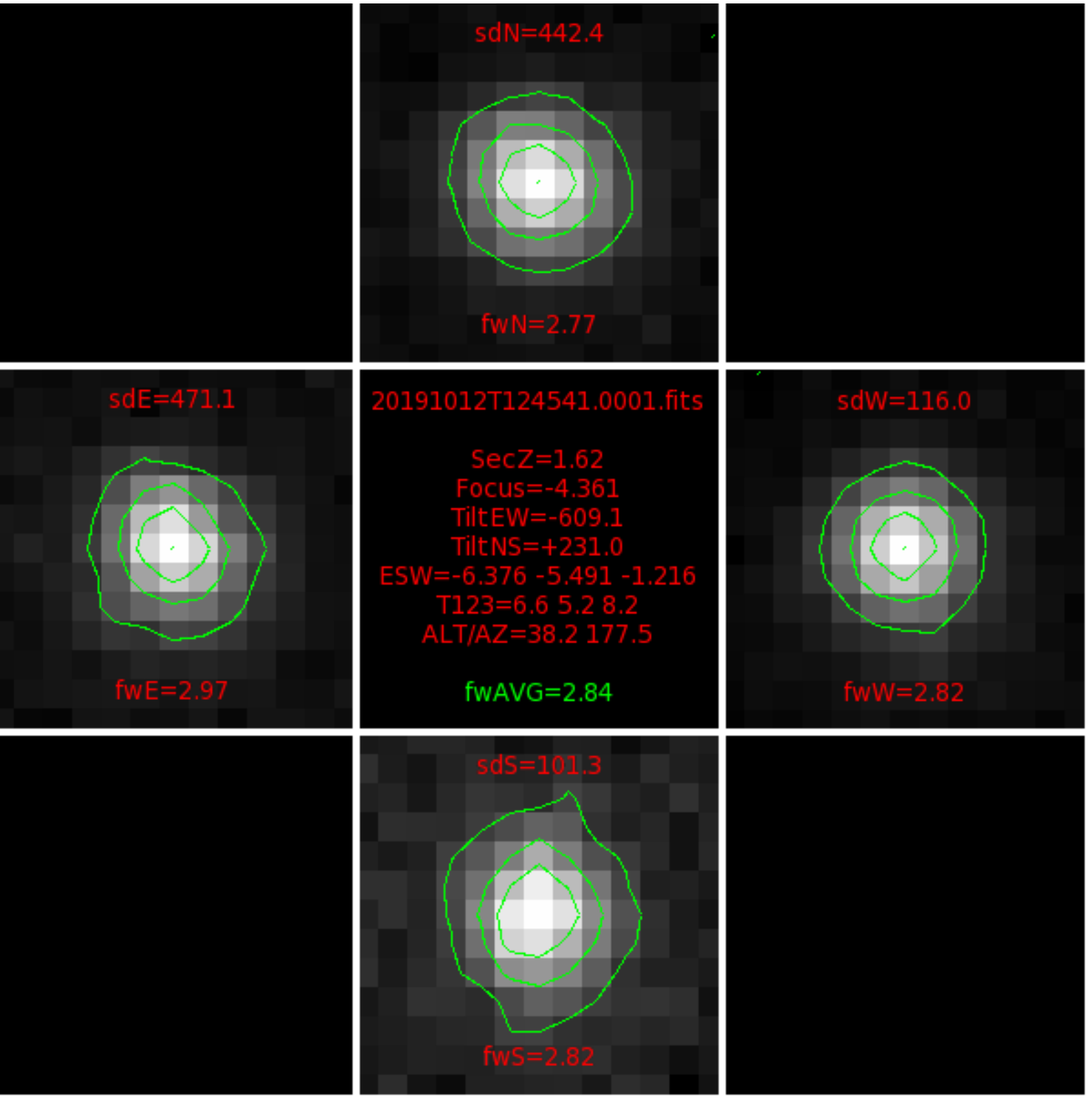

sdN=308.9
fwN=2.66
sdE=414.0
fwE=2.78
20191012T124505.0001.fits
SecZ=1.62
Focus=-4.361
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.376 -5.491 -1.216
T123=6.6 5.2 8.2
ALT/AZ=38.2 177.3
fwAVG=2.72
sdW=65.4
fwW=2.74
sdS=53.2
fwS=2.70
0 0 0 0 0 0 0 0 0


sdN=442.4
fwN=2.77
sdE=471.1
fwE=2.97
20191012T124541.0001.fits
SecZ=1.62
Focus=-4.361
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.376 -5.491 -1.216
T123=6.6 5.2 8.2
ALT/AZ=38.2 177.5
fwAVG=2.84
sdW=116.0
fwW=2.82
sdS=101.3
fwS=2.82
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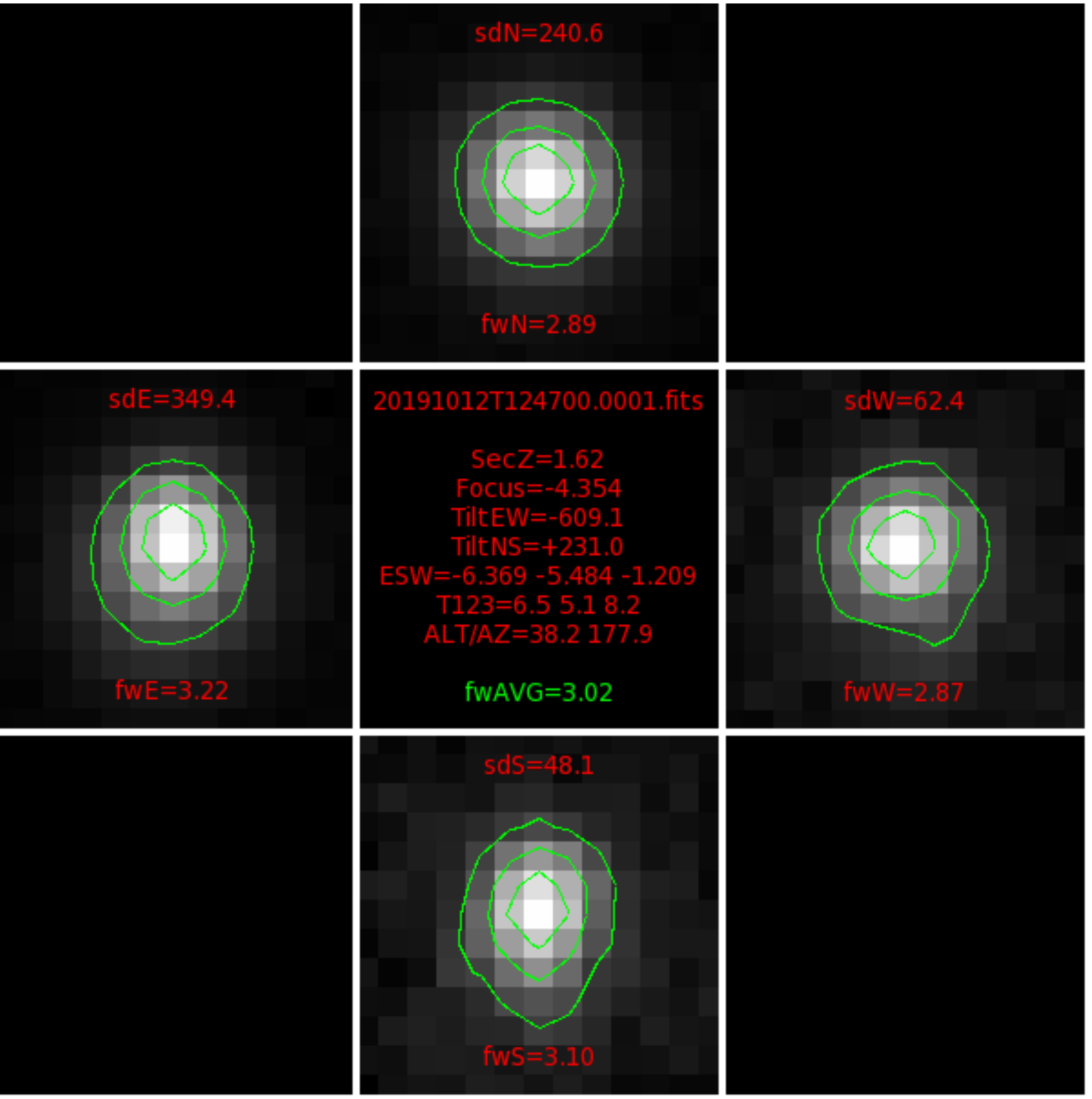
sdN=240.6
fwN=2.89
sdE=349.4
fwE=3.22
20191012T124700.0001.fits
SecZ=1.62
Focus=-4.354
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.369 -5.484 -1.209
T123=6.5 5.1 8.2
ALT/AZ=38.2 177.9
fwAVG=3.02
sdW=62.4
fwW=2.87
sdS=48.1
fwS=3.10
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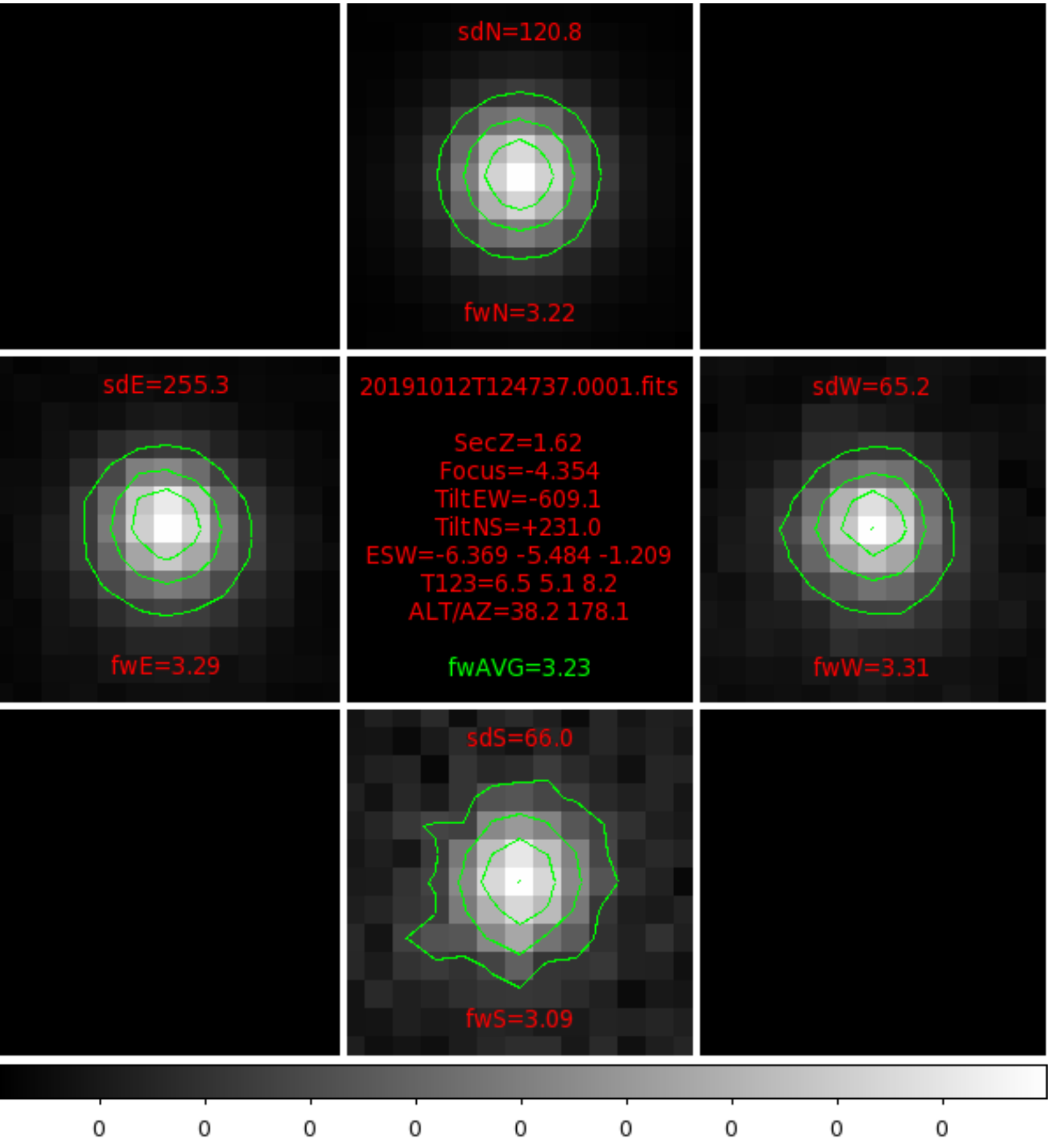
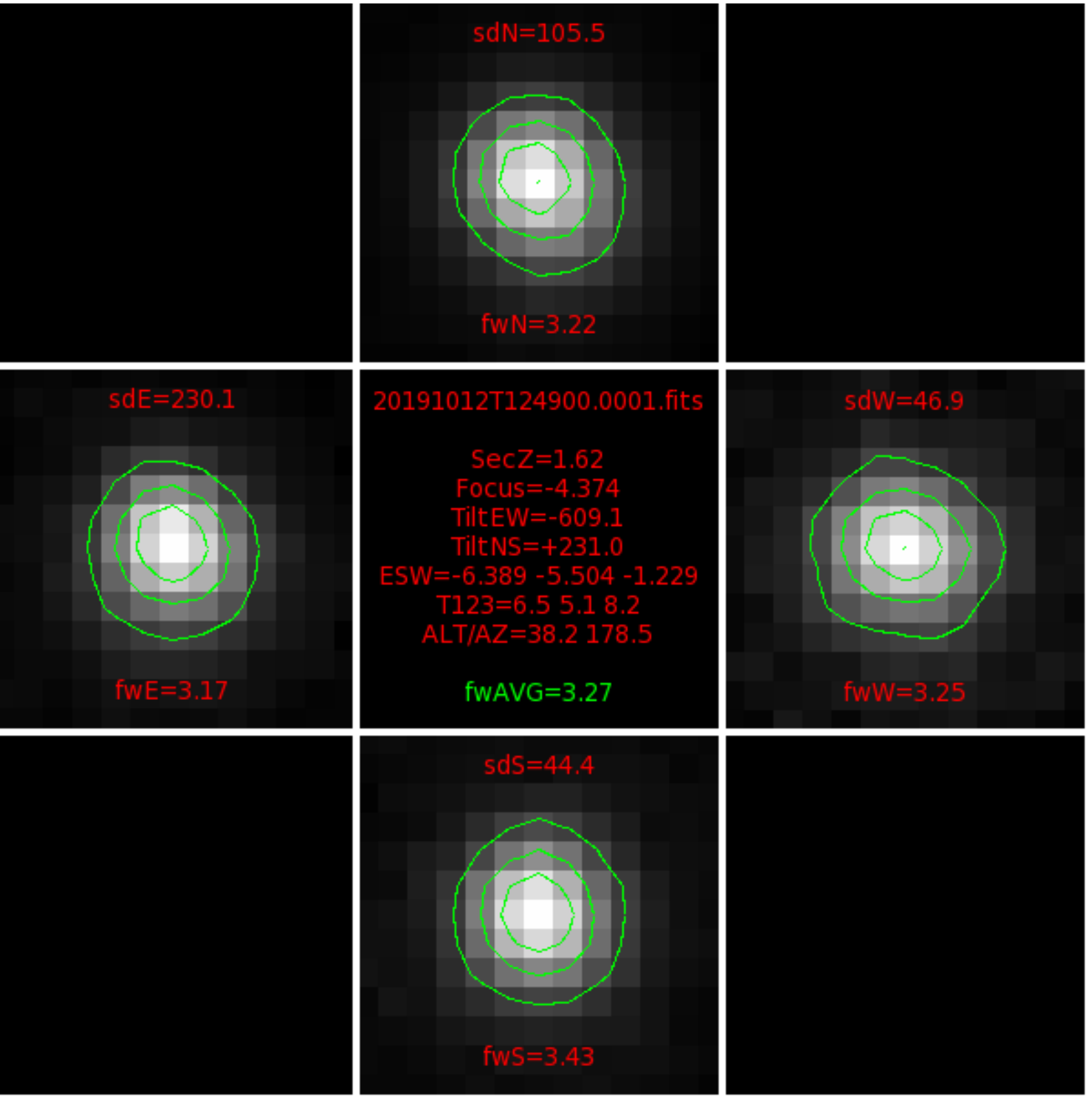

sdN=120.8
fwN=3.22
sdE=255.3
fwE=3.29
20191012T124737.0001.fits
SecZ=1.62
Focus=-4.354
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.369 -5.484 -1.209
T123=6.5 5.1 8.2
ALT/AZ=38.2 178.1
fwAVG=3.23
sdW=65.2
fwW=3.31
sdS=66.0
fwS=3.09
0 0 0 0 0 0 0 0 0


sdN=105.5
fwN=3.22
sdE=230.1
fwE=3.17
20191012T124900.0001.fits
SecZ=1.62
Focus=-4.374
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.389 -5.504 -1.229
T123=6.5 5.1 8.2
ALT/AZ=38.2 178.5
fwAVG=3.27
sdW=46.9
fwW=3.25
sdS=44.4
fwS=3.43
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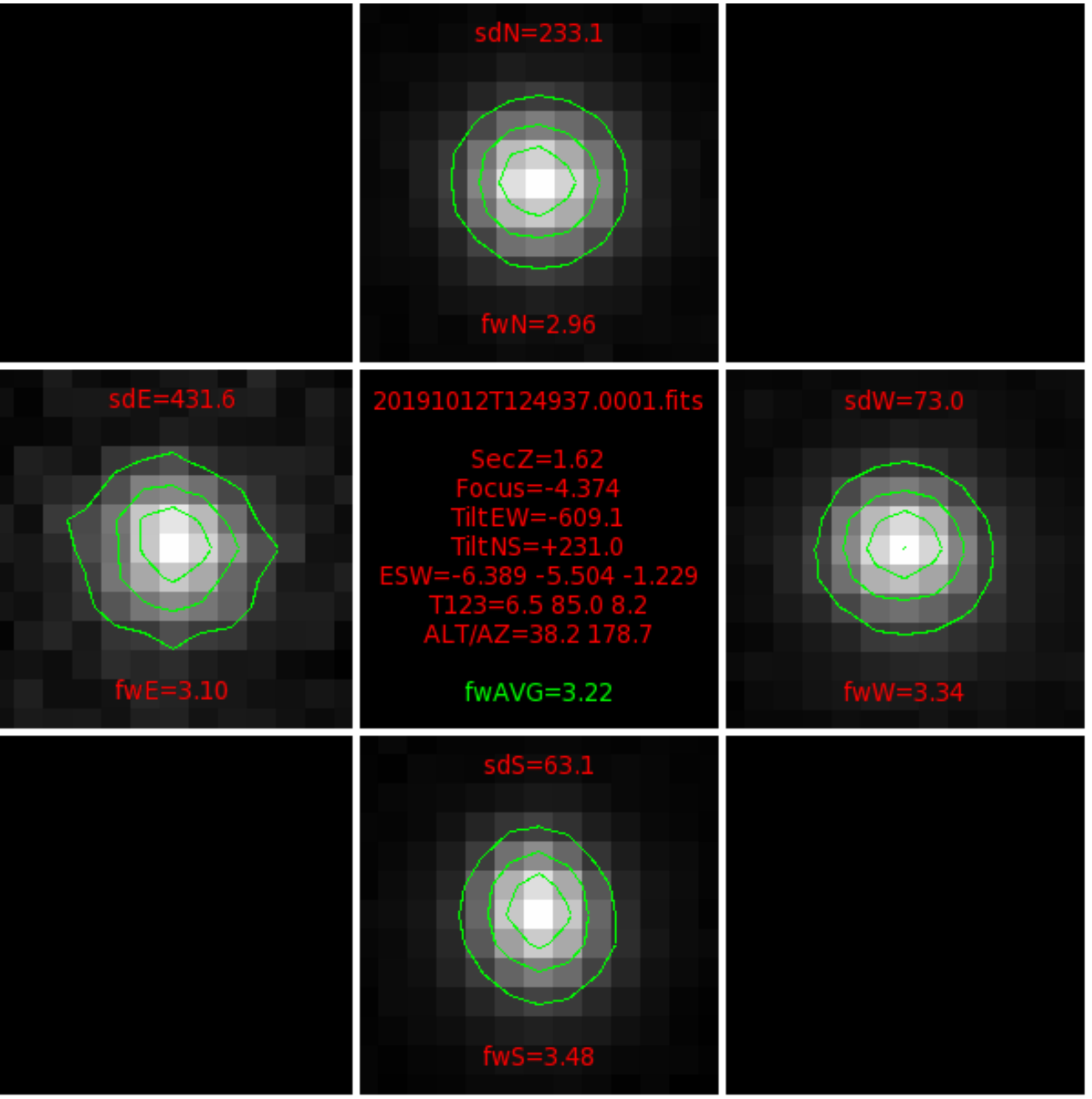
sdN=233.1
fwN=2.96
sdE=431.6
fwE=3.10
20191012T124937.0001.fits
SecZ=1.62
Focus=-4.374
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.389 -5.504 -1.229
T123=6.5 85.0 8.2
ALT/AZ=38.2 178.7
fwAVG=3.22
sdW=73.0
fwW=3.34
sdS=63.1
fwS=3.48
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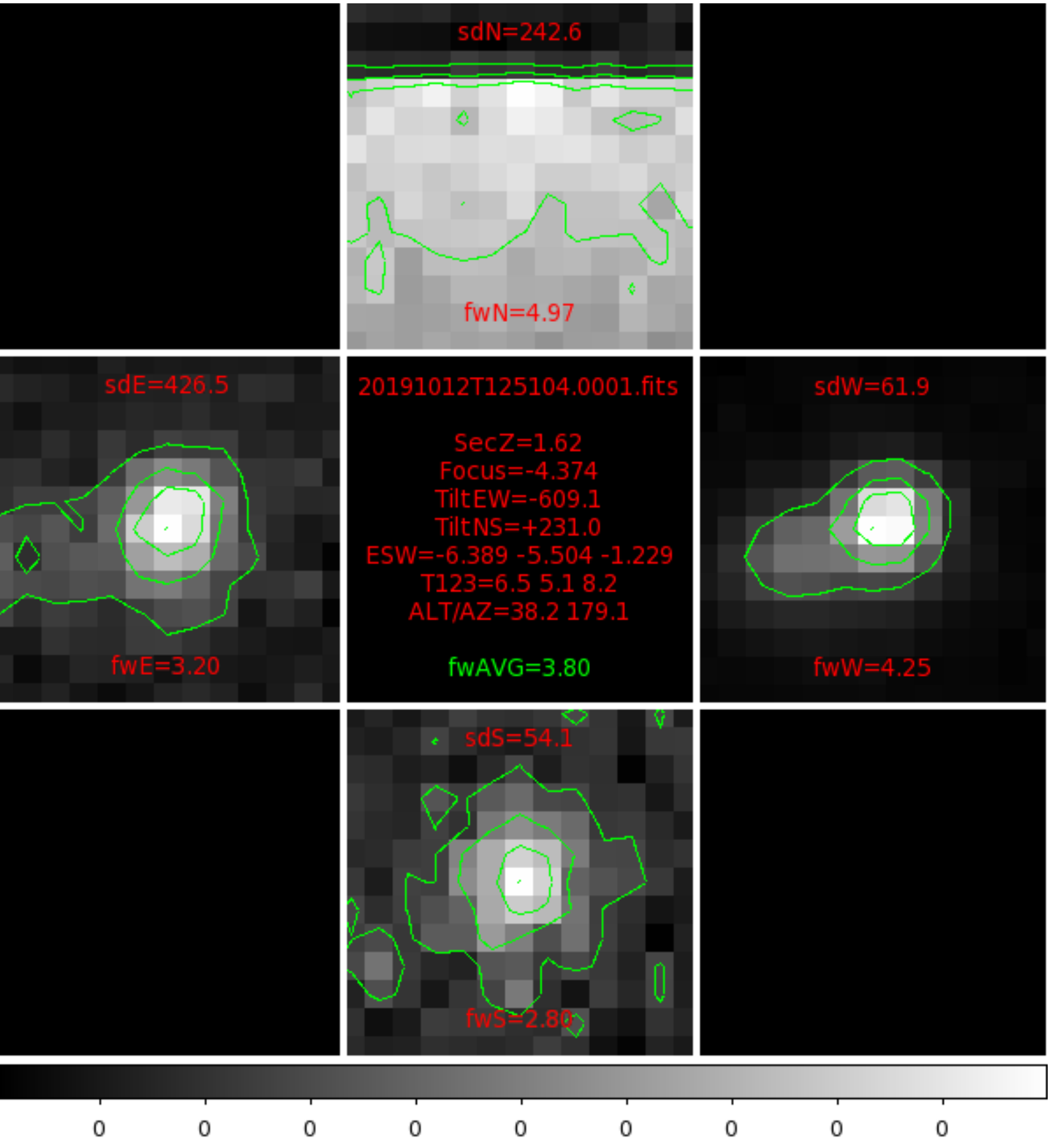
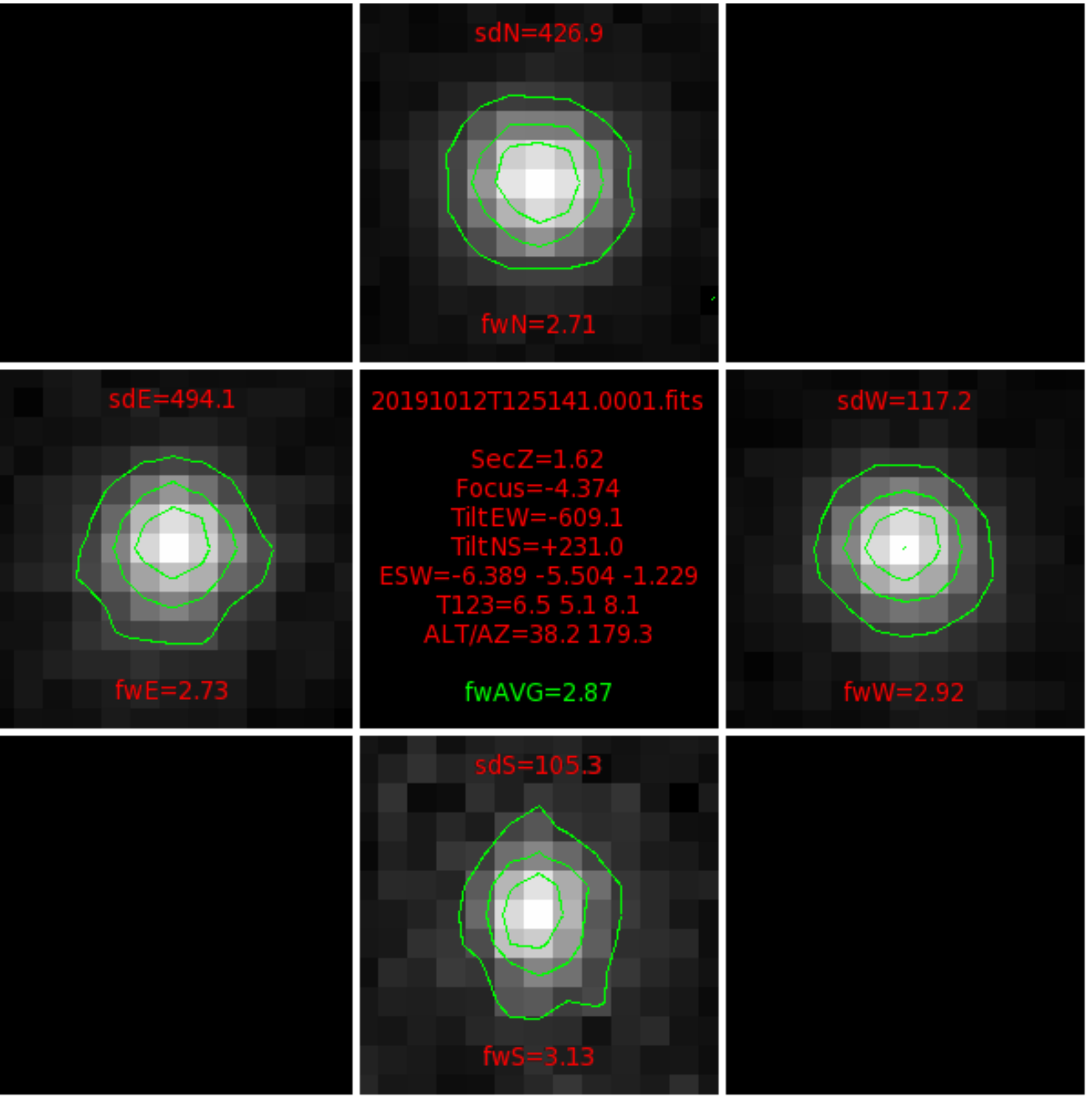

sdN=242.6
fwN=4.97
sdE=426.5
fwE=3.20
20191012T125104.0001.fits
SecZ=1.62
Focus=-4.374
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.389 -5.504 -1.229
T123=6.5 5.1 8.2
ALT/AZ=38.2 179.1
fwAVG=3.80
sdW=61.9
fwW=4.25
sdS=54.1
fwS=2.80
0 0 0 0 0 0 0 0 0


sdN=426.9
fwN=2.71
sdE=494.1
fwE=2.73
20191012T125141.0001.fits
SecZ=1.62
Focus=-4.374
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.389 -5.504 -1.229
T123=6.5 5.1 8.1
ALT/AZ=38.2 179.3
fwAVG=2.87
sdW=117.2
fwW=2.92
sdS=105.3
fwS=3.13
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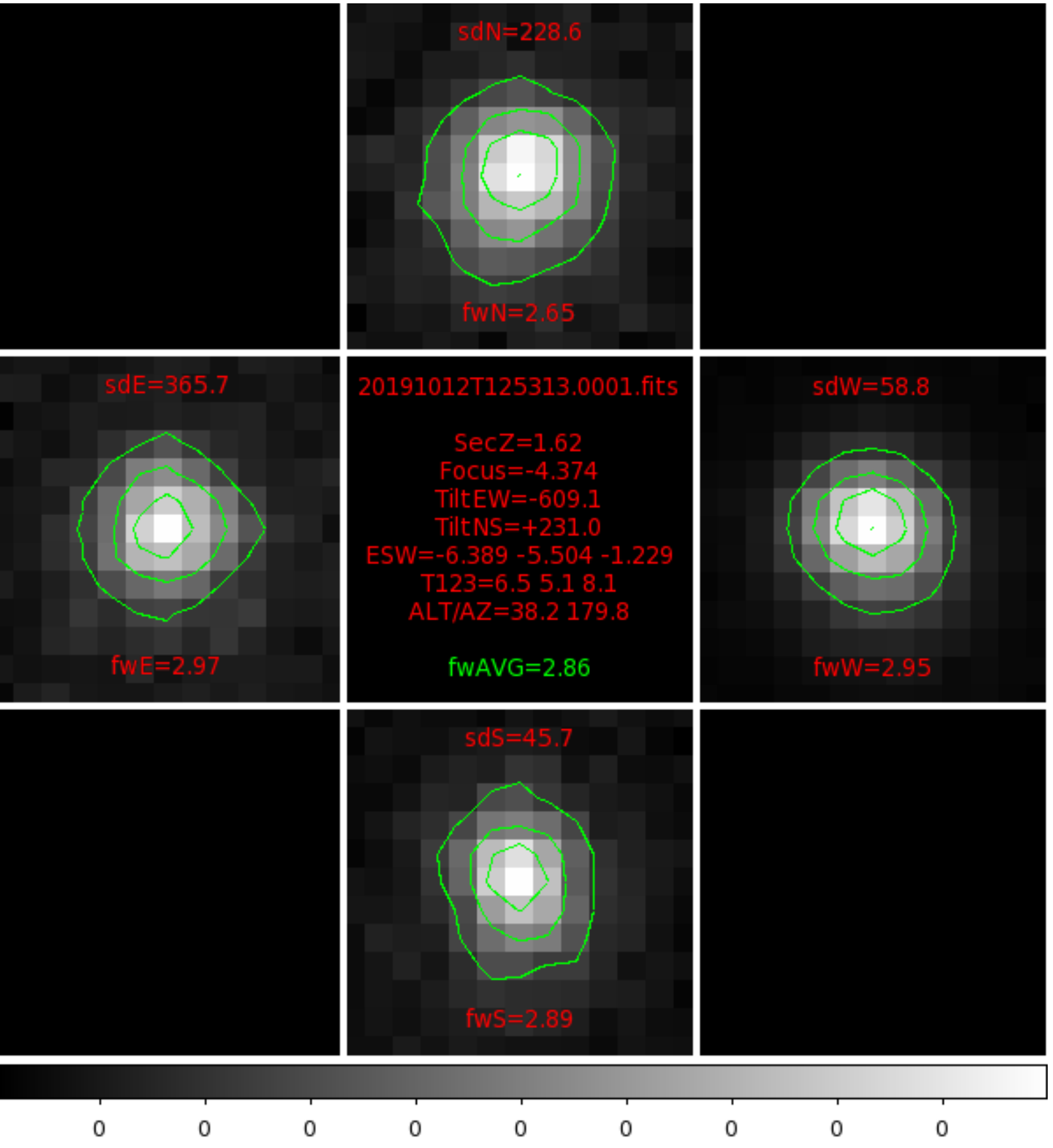
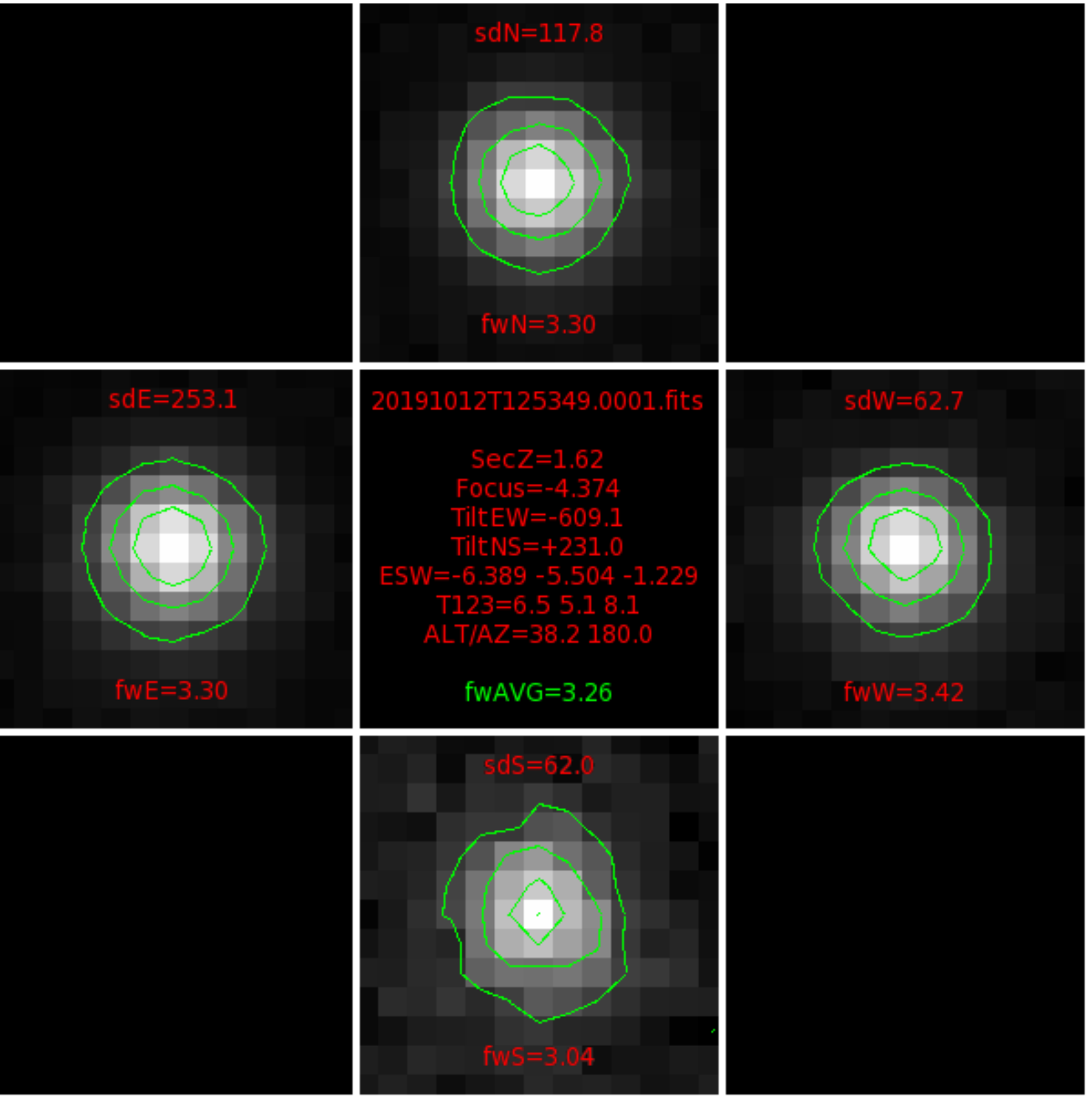
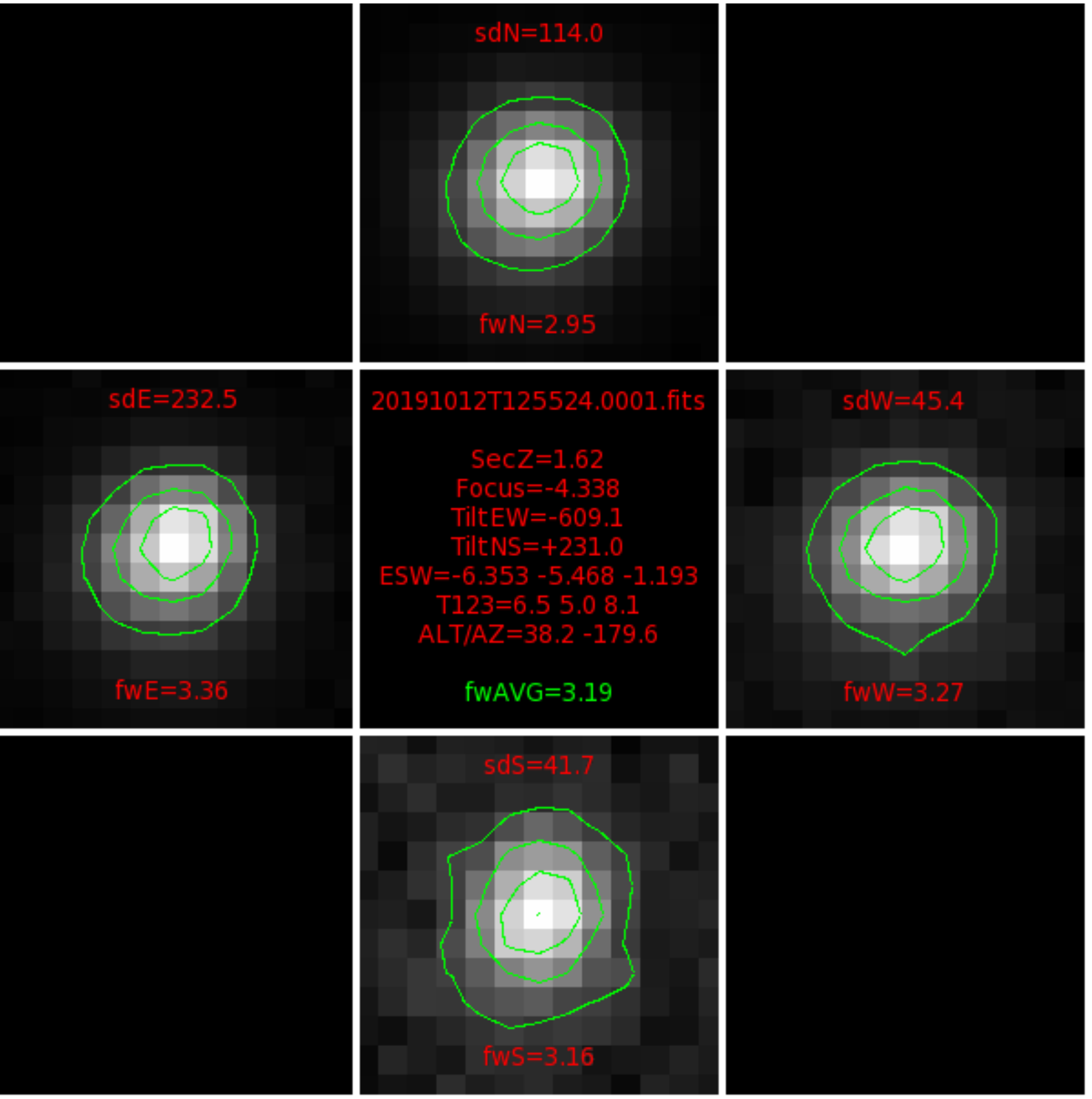
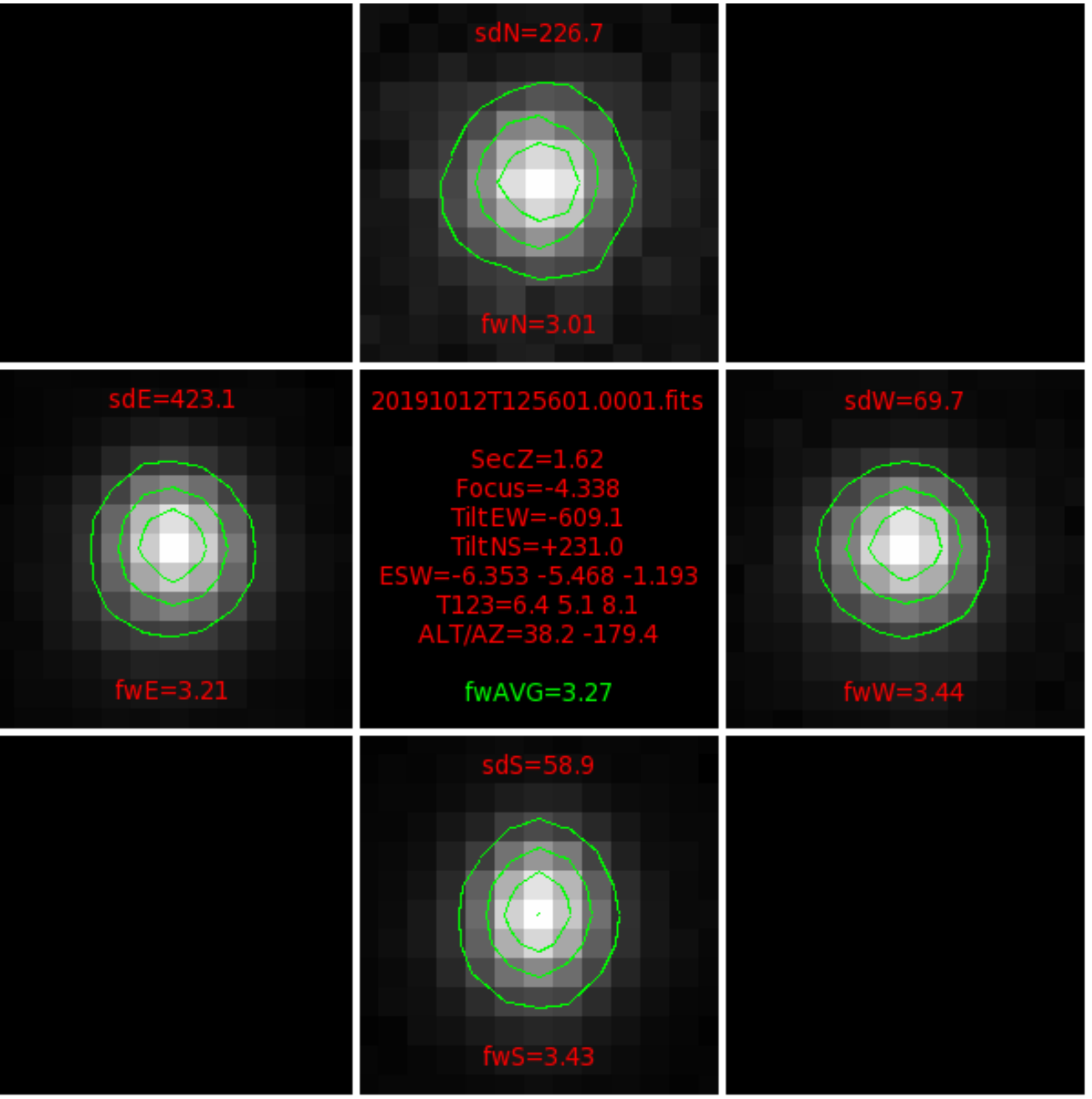
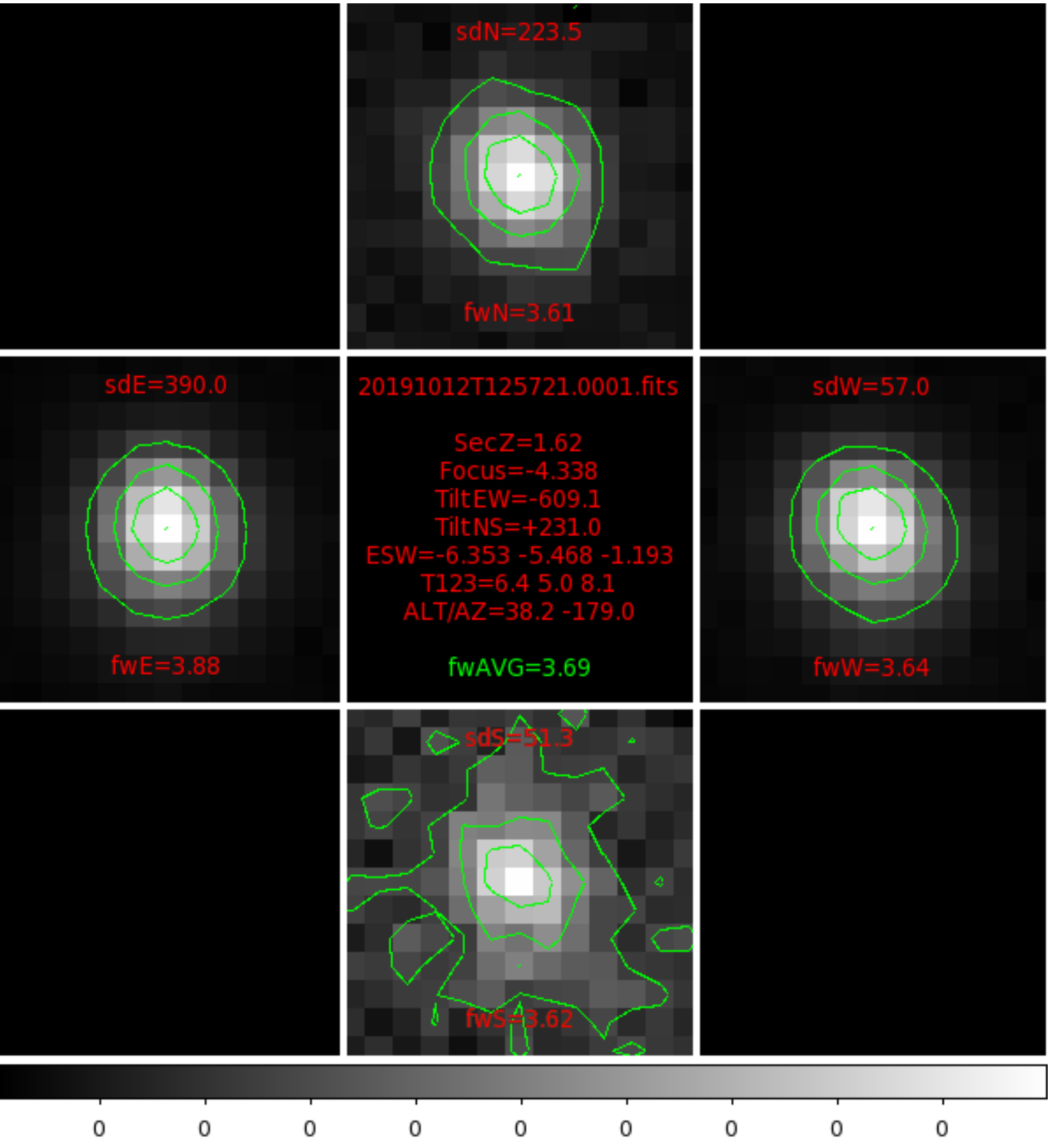
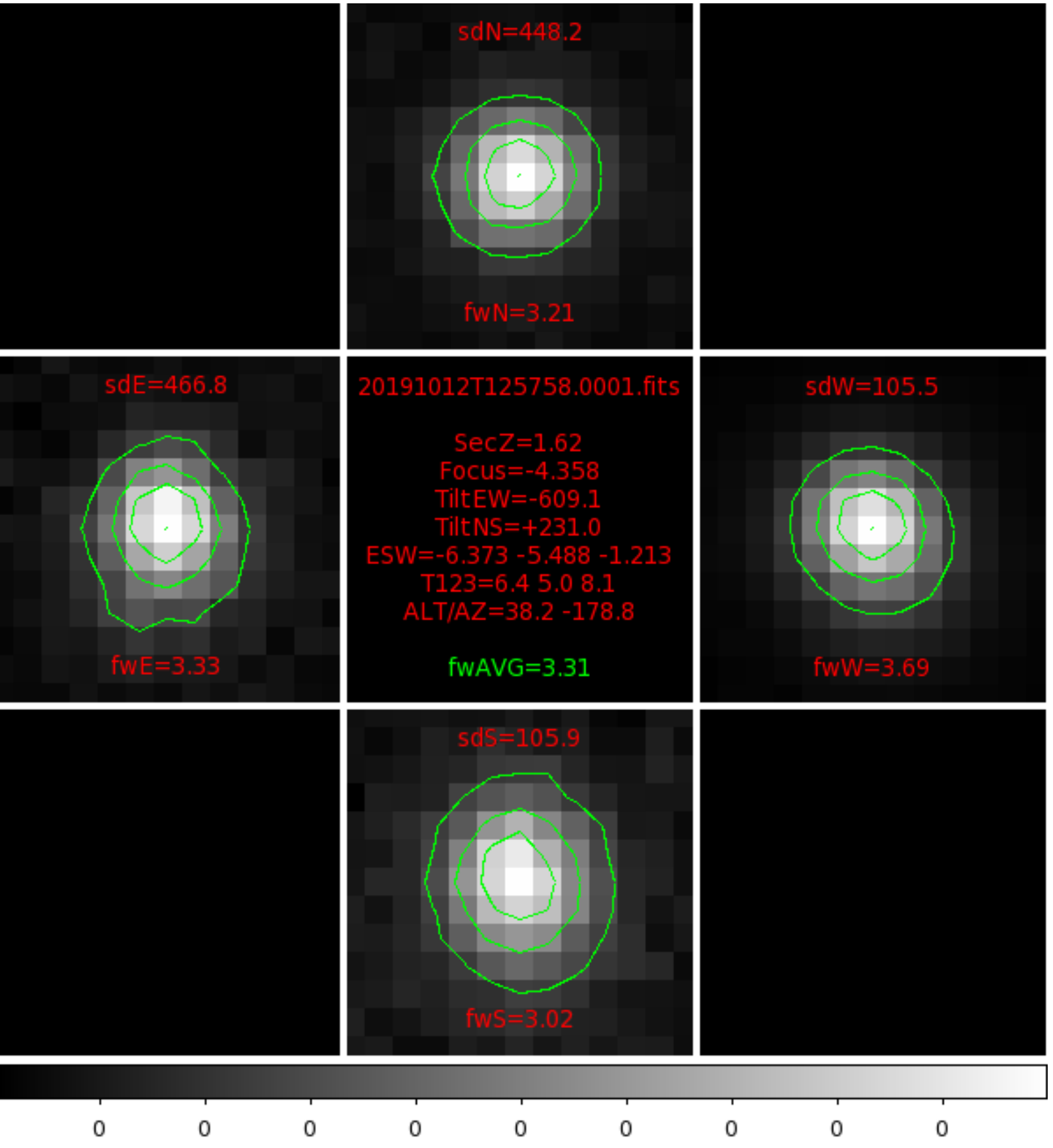

sdN=228.6
fwN=2.65
sdE=365.7
fwE=2.97
20191012T125313.0001.fits
SecZ=1.62
Focus=-4.374
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.389 -5.504 -1.229
T123=6.5 5.1 8.1
ALT/AZ=38.2 179.8
fwAVG=2.86
sdW=58.8
fwW=2.95
sdS=45.7
fwS=2.89
0 0 0 0 0 0 0 0 0

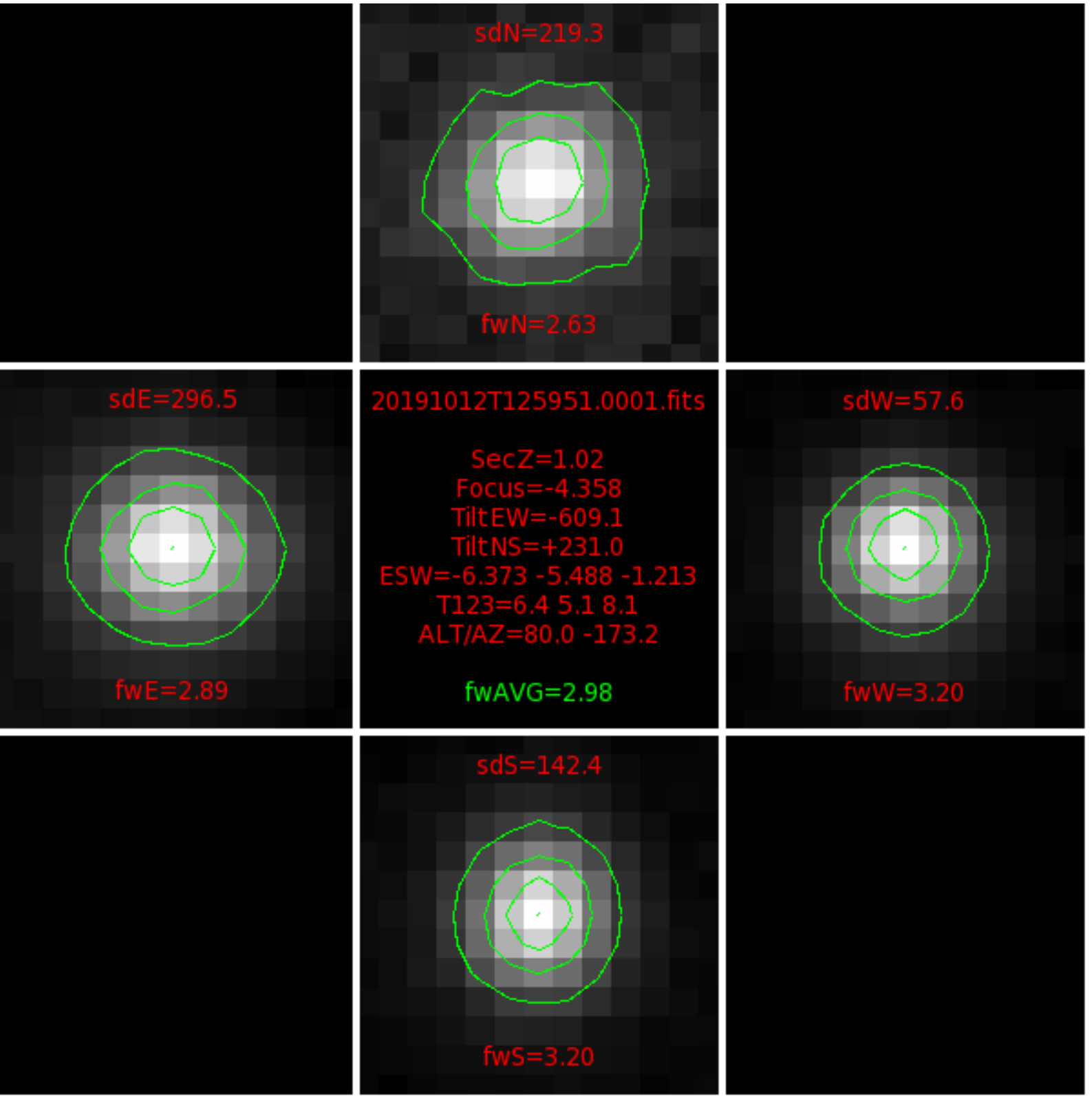

sdN=117.8
fwN=3.30
sdE=253.1
fwE=3.30
20191012T125349.0001.fits
SecZ=1.62
Focus=-4.374
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.389 -5.504 -1.229
T123=6.5 5.1 8.1
ALT/AZ=38.2 180.0
fwAVG=3.26
sdW=62.7
fwW=3.42
sdS=62.0
fwS=3.04
0 0 0 0 0 0 0 0 0

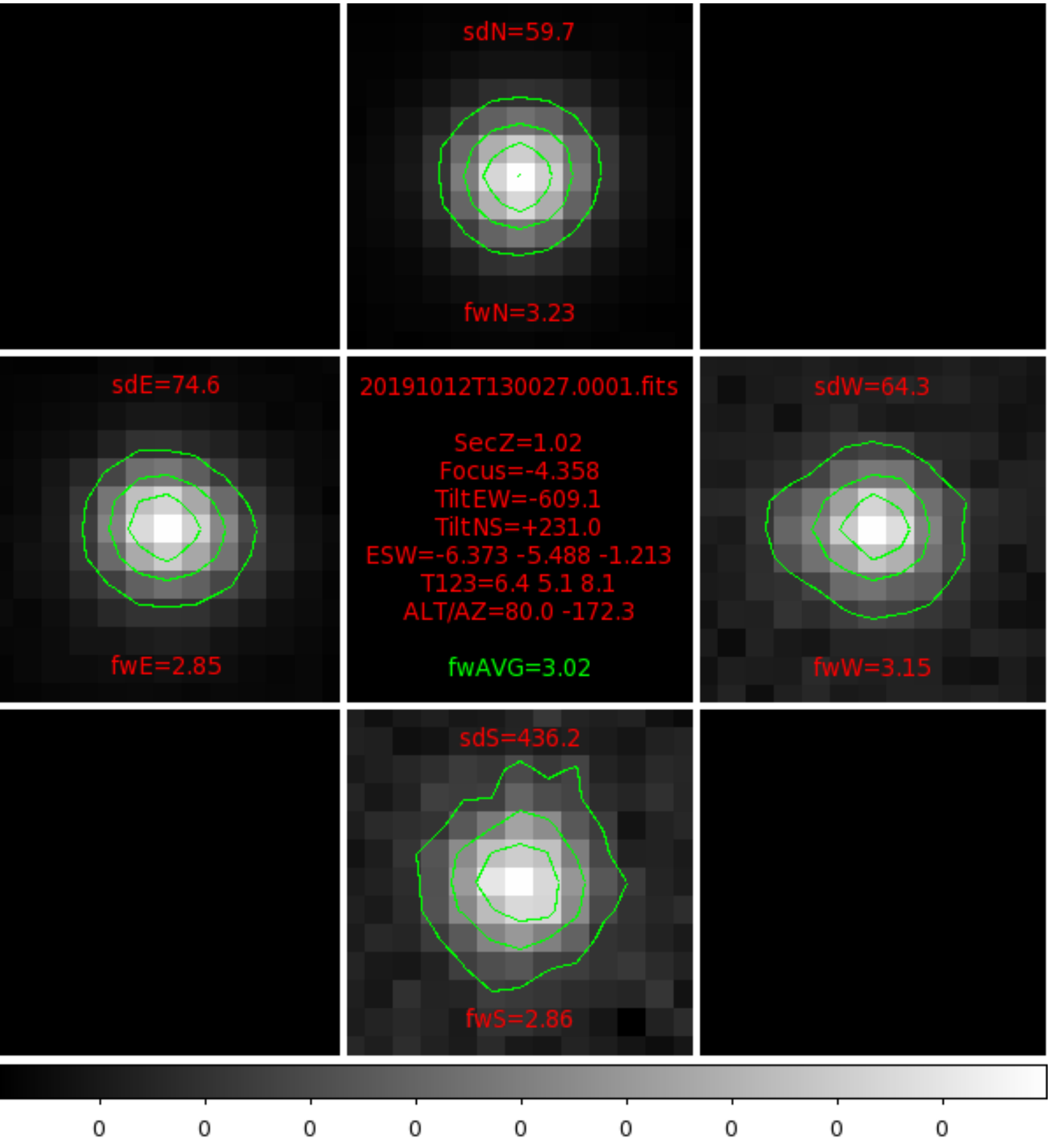

sdN=114.0
fwN=2.95
sdE=232.5
fwE=3.36
20191012T125524.0001.fits
SecZ=1.62
Focus=-4.338
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.353 -5.468 -1.193
T123=6.5 5.0 8.1
ALT/AZ=38.2 -179.6
fwAVG=3.19
sdW=45.4
fwW=3.27
sdS=41.7
fwS=3.16
0 0 0 0 0 0 0 0 0

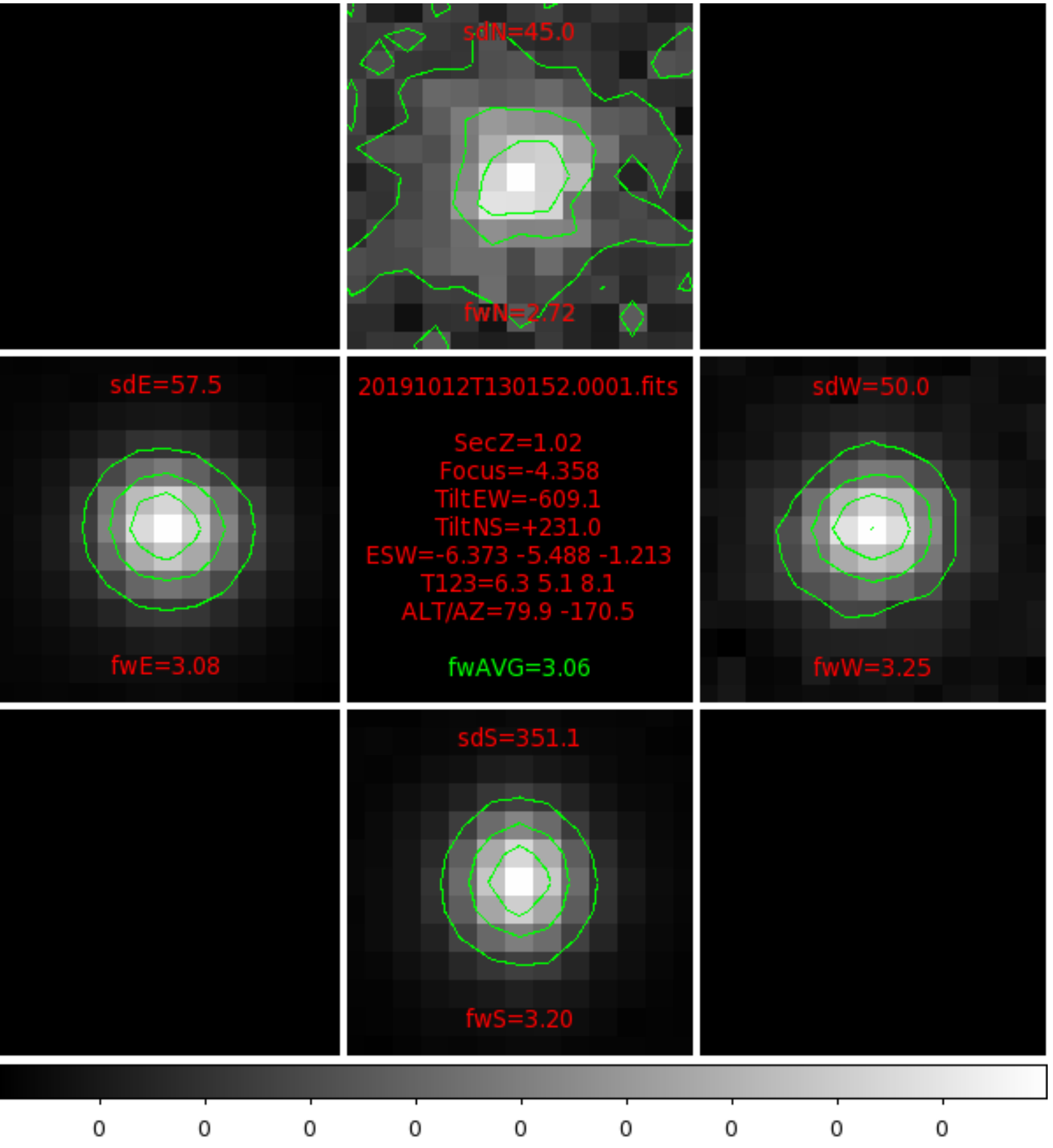

sdN=226.7
fwN=3.01
sdE=423.1
fwE=3.21
20191012T125601.0001.fits
SecZ=1.62
Focus=-4.338
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.353 -5.468 -1.193
T123=6.4 5.1 8.1
ALT/AZ=38.2 -179.4
fwAVG=3.27
sdW=69.7
fwW=3.44
sdS=58.9
fwS=3.43
0 0 0 0 0 0 0 0 0

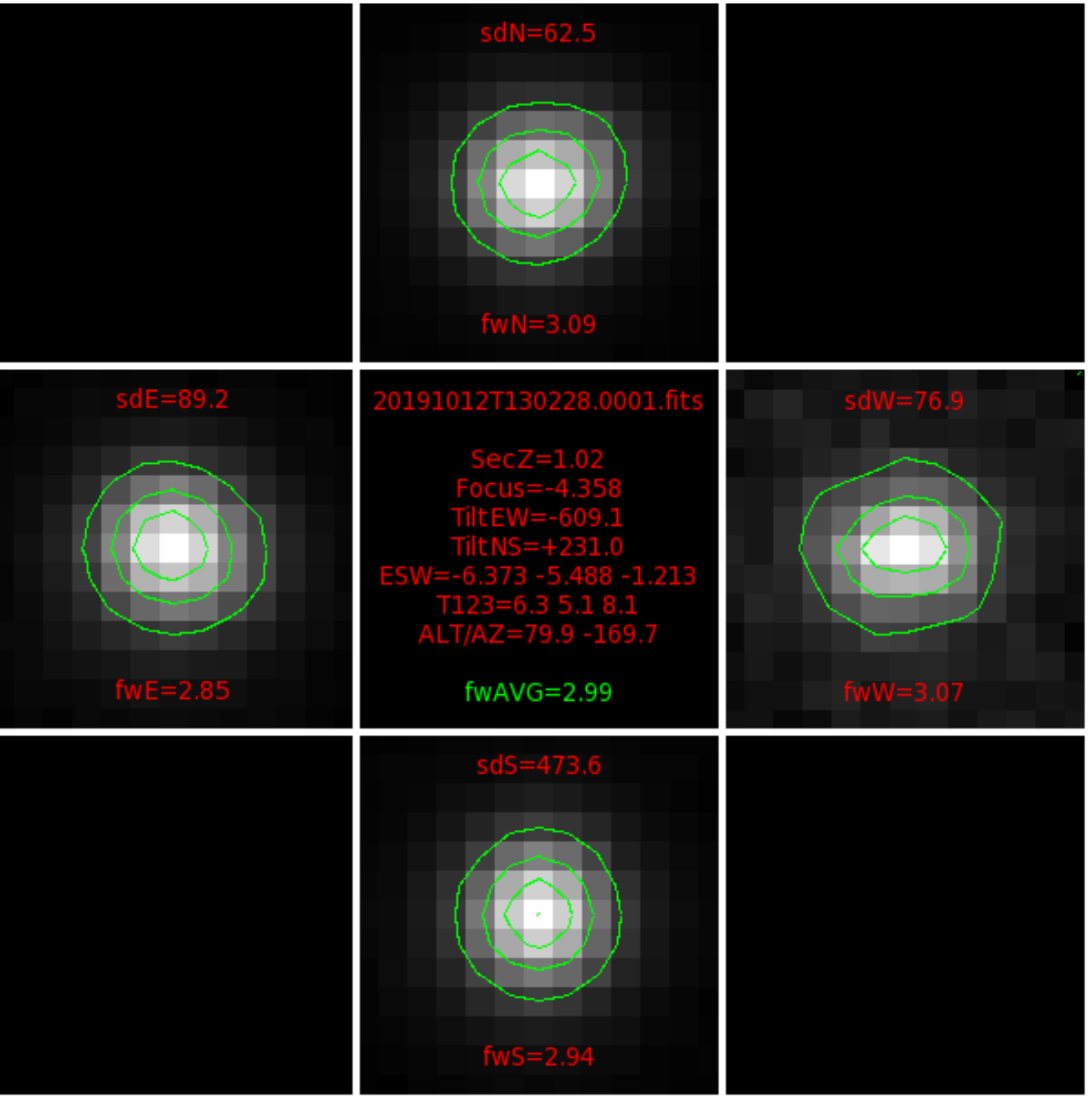

sdN=223.5
fwN=3.61
sdE=390.0
fwE=3.88
20191012T125721.0001.fits
SecZ=1.62
Focus=-4.338
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.353 -5.468 -1.193
T123=6.4 5.0 8.1
ALT/AZ=38.2 -179.0
fwAVG=3.69
sdW=57.0
fwW=3.64
sdS=51.3
fwS=3.62
0 0 0 0 0 0 0 0 0

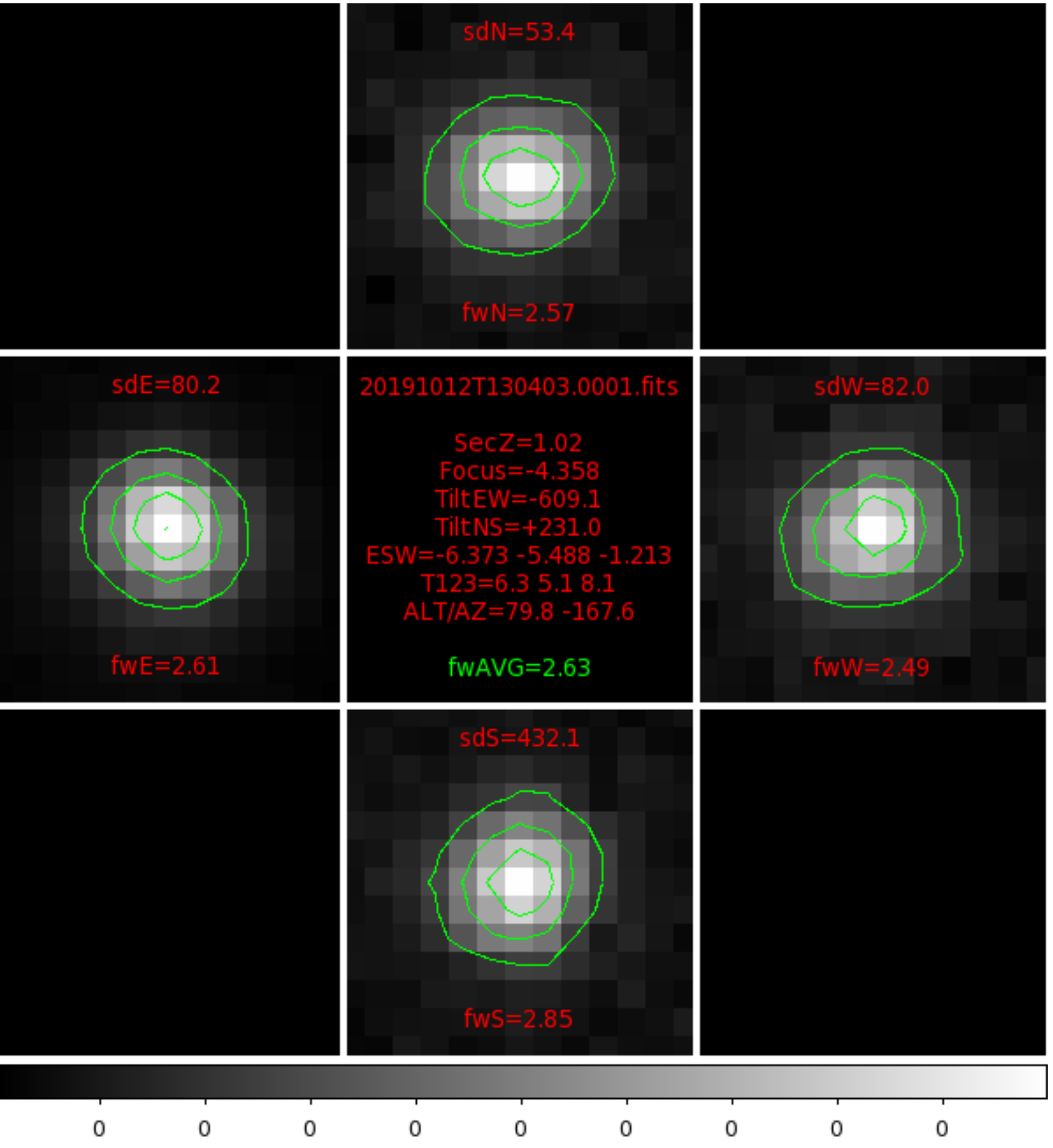

sdN=448.2
fwN=3.21
sdE=466.8
fwE=3.33
20191012T125758.0001.fits
SecZ=1.62
Focus=-4.358
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.373 -5.488 -1.213
T123=6.4 5.0 8.1
ALT/AZ=38.2 -178.8
fwAVG=3.31
sdW=105.5
fwW=3.69
sdS=105.9
fwS=3.02
0 0 0 0 0 0 0 0 0

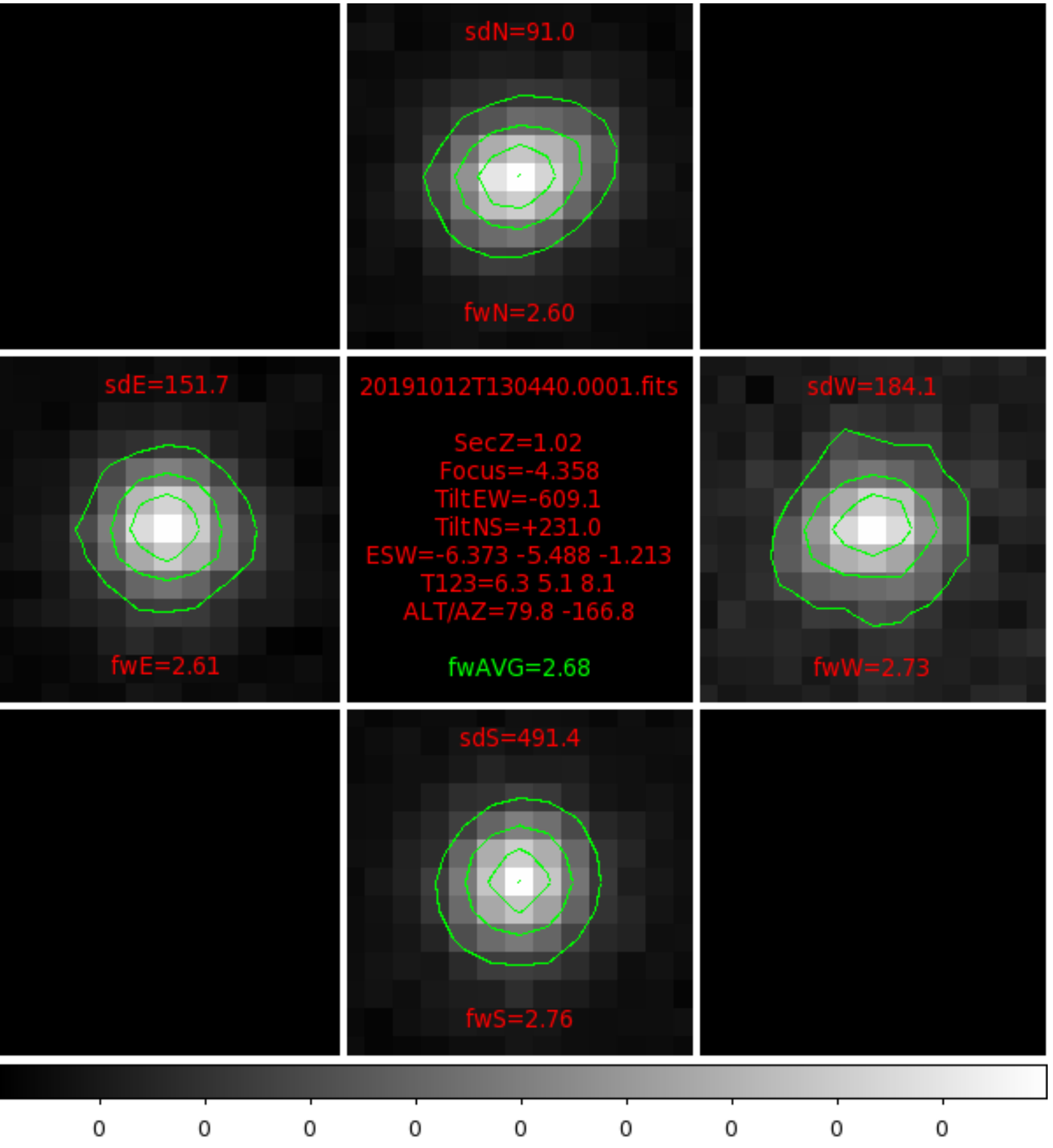

sdN=219.3
fwN=2.63
sdE=296.5
fwE=2.89
20191012T125951.0001.fits
SecZ=1.02
Focus=-4.358
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.373 -5.488 -1.213
T123=6.4 5.1 8.1
ALT/AZ=80.0 -173.2
fwAVG=2.98
sdW=57.6
fwW=3.20
sdS=142.4
fwS=3.20
0 0 0 0 0 0 0 0 0


sdN=59.7
fwN=3.23
sdE=74.6
fwE=2.85
20191012T130027.0001.fits
SecZ=1.02
Focus=-4.358
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.373 -5.488 -1.213
T123=6.4 5.1 8.1
ALT/AZ=80.0 -172.3
fwAVG=3.02
sdW=64.3
fwW=3.15
sdS=436.2
fwS=2.86
0 0 0 0 0 0 0 0 0


sdN=45.0
fwN=2.72
sdE=57.5
fwE=3.08
20191012T130152.0001.fits
SecZ=1.02
Focus=-4.358
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.373 -5.488 -1.213
T123=6.3 5.1 8.1
ALT/AZ=79.9 -170.5
fwAVG=3.06
sdW=50.0
fwW=3.25
sdS=351.1
fwS=3.20
0 0 0 0 0 0 0 0 0


sdN=62.5
fwN=3.09
sdE=89.2
fwE=2.85
20191012T130228.0001.fits
SecZ=1.02
Focus=-4.358
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.373 -5.488 -1.213
T123=6.3 5.1 8.1
ALT/AZ=79.9 -169.7
fwAVG=2.99
sdW=76.9
fwW=3.07
sdS=473.6
fwS=2.94
0 0 0 0 0 0 0 0 0


sdN=53.4
fwN=2.57
sdE=80.2
fwE=2.61
20191012T130403.0001.fits
SecZ=1.02
Focus=-4.358
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.373 -5.488 -1.213
T123=6.3 5.1 8.1
ALT/AZ=79.8 -167.6
fwAVG=2.63
sdW=82.0
fwW=2.49
sdS=432.1
fwS=2.85
0 0 0 0 0 0 0 0 0


sdN=91.0
fwN=2.60
sdE=151.7
fwE=2.61
20191012T130440.0001.fits
SecZ=1.02
Focus=-4.358
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.373 -5.488 -1.213
T123=6.3 5.1 8.1
ALT/AZ=79.8 -166.8
fwAVG=2.68
sdW=184.1
fwW=2.73
sdS=491.4
fwS=2.76
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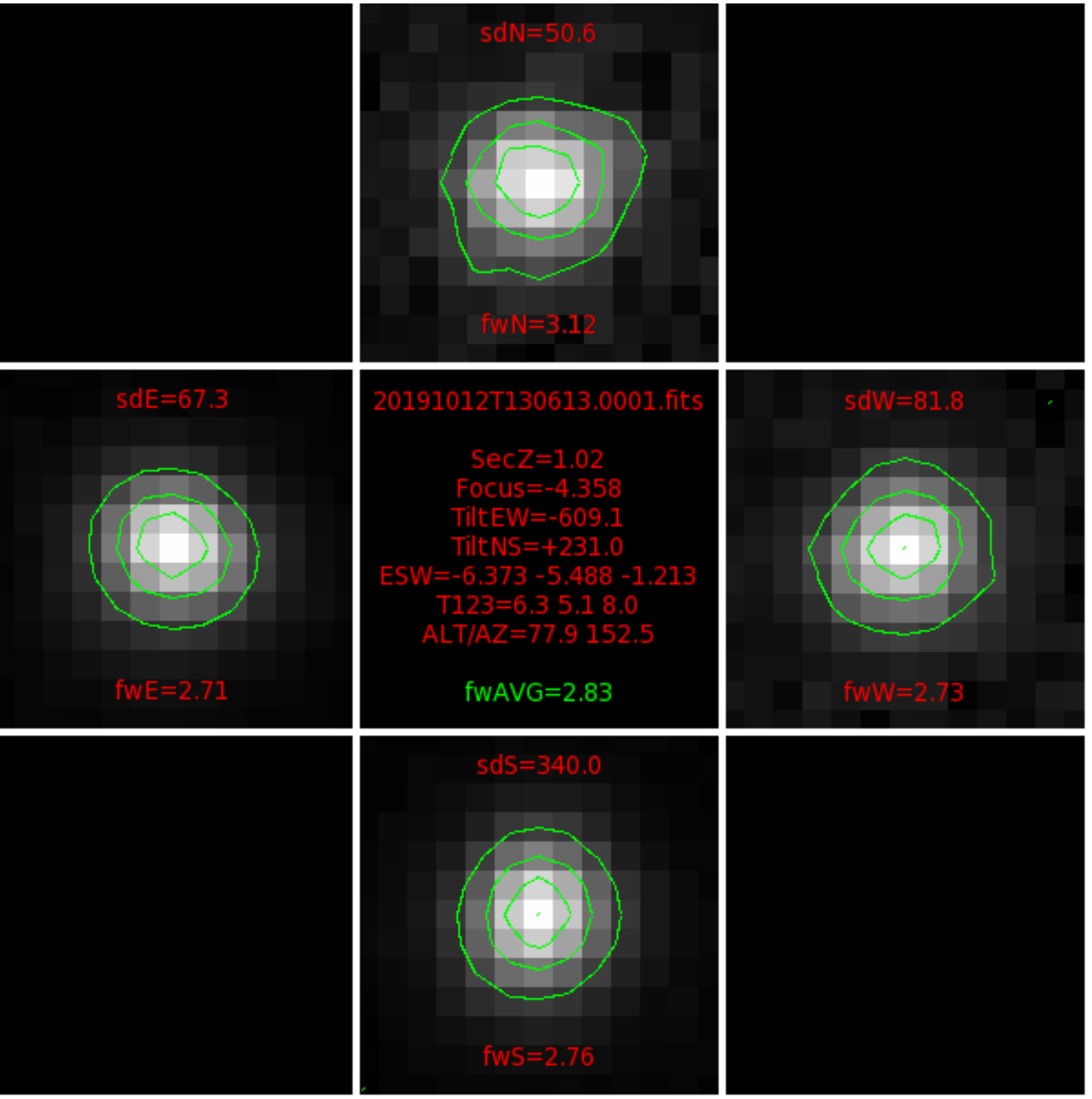
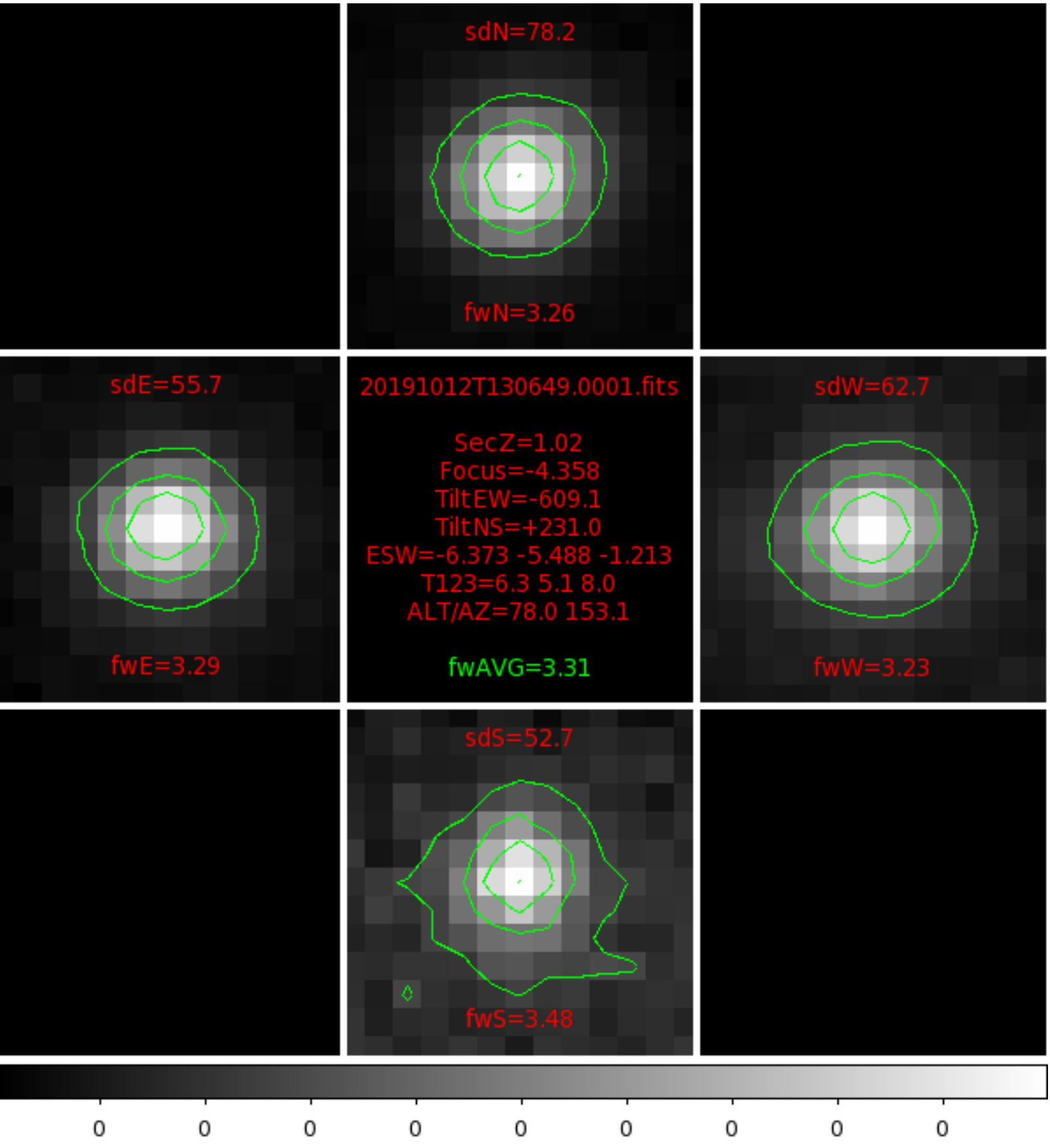
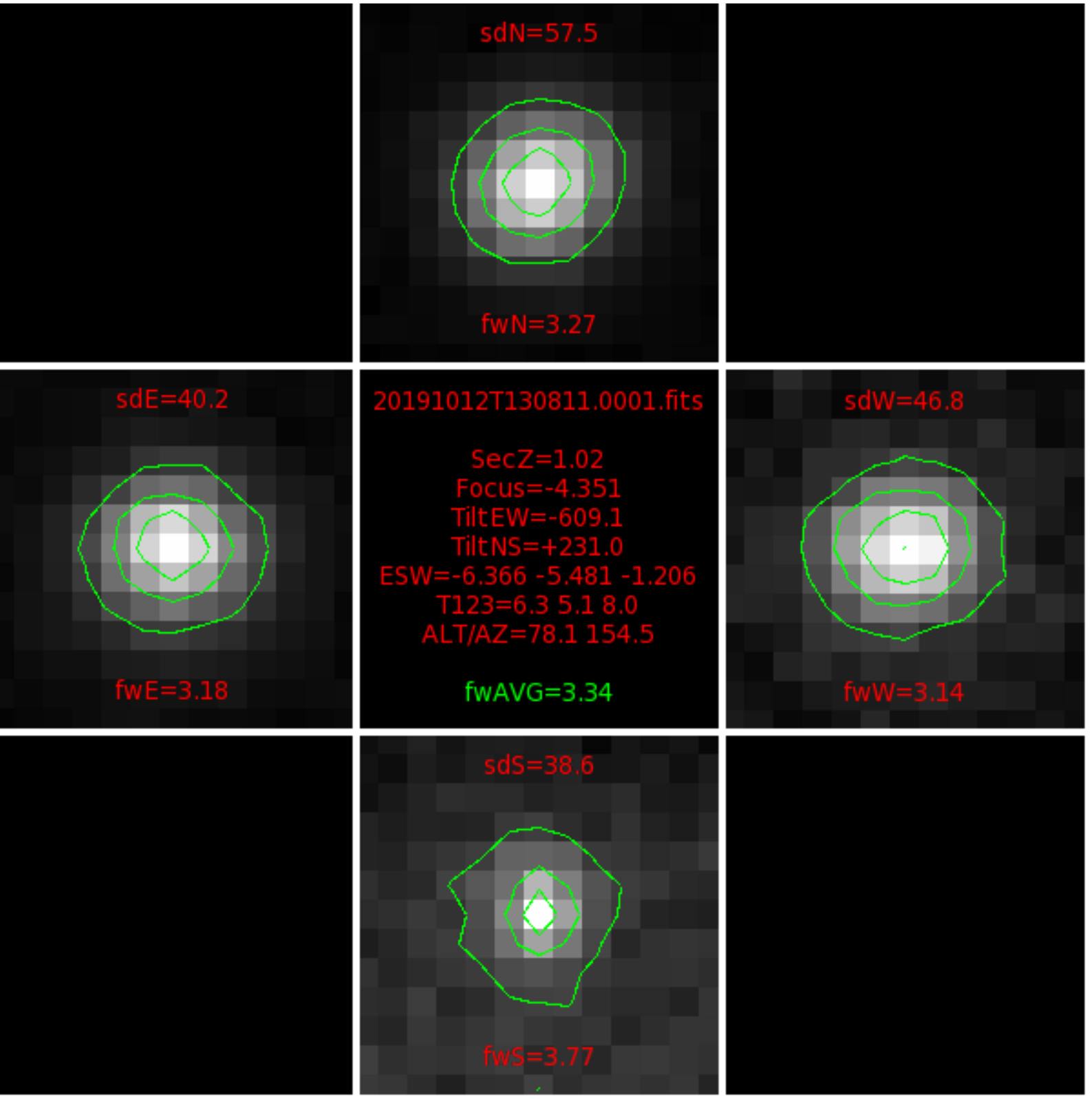

sdN=50.6
fwN=3.12
sdE=67.3
fwE=2.71
20191012T130613.0001.fits
SecZ=1.02
Focus=-4.358
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.373 -5.488 -1.213
T123=6.3 5.1 8.0
ALT/AZ=77.9 152.5
fwAVG=2.83
sdW=81.8
fwW=2.73
sdS=340.0
fwS=2.76
0 0 0 0 0 0 0 0 0


sdN=78.2
fwN=3.26
sdE=55.7
fwE=3.29
20191012T130649.0001.fits
SecZ=1.02
Focus=-4.358
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.373 -5.488 -1.213
T123=6.3 5.1 8.0
ALT/AZ=78.0 153.1
fwAVG=3.31
sdW=62.7
fwW=3.23
sdS=52.7
fwS=3.48
0 0 0 0 0 0 0 0 0


sdN=57.5
fwN=3.27
sdE=40.2
fwE=3.18
20191012T130811.0001.fits
SecZ=1.02
Focus=-4.351
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.366 -5.481 -1.206
T123=6.3 5.1 8.0
ALT/AZ=78.1 154.5
fwAVG=3.34
sdW=46.8
fwW=3.14
sdS=38.6
fwS=3.77
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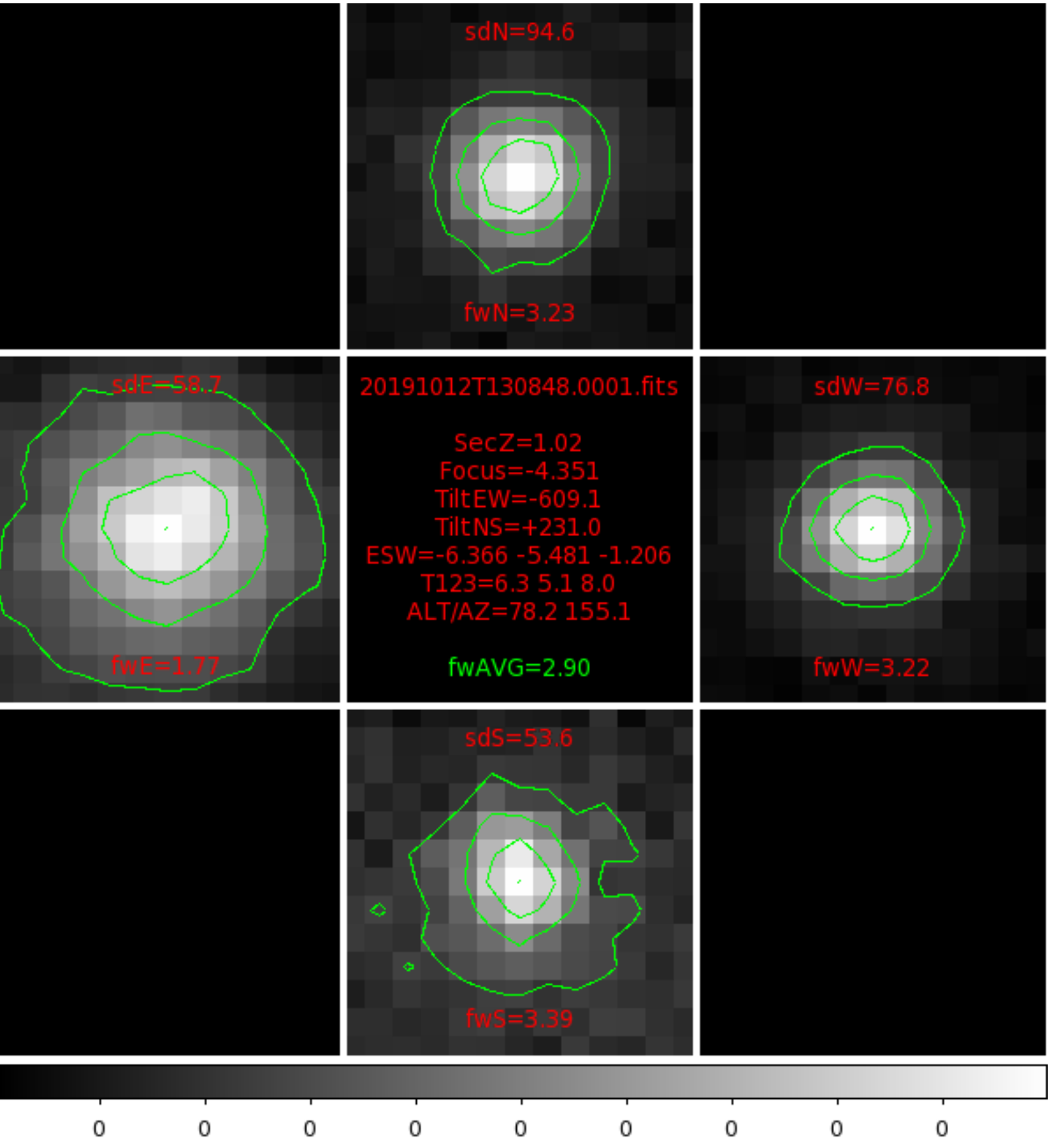
sdN=94.6
fwN=3.23
sdE=58.7
fwE=1.77
20191012T130848.0001.fits
SecZ=1.02
Focus=-4.351
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.366 -5.481 -1.206
T123=6.3 5.1 8.0
ALT/AZ=78.2 155.1
fwAVG=2.90
sdW=76.8
fwW=3.22
sdS=53.6
fwS=3.39
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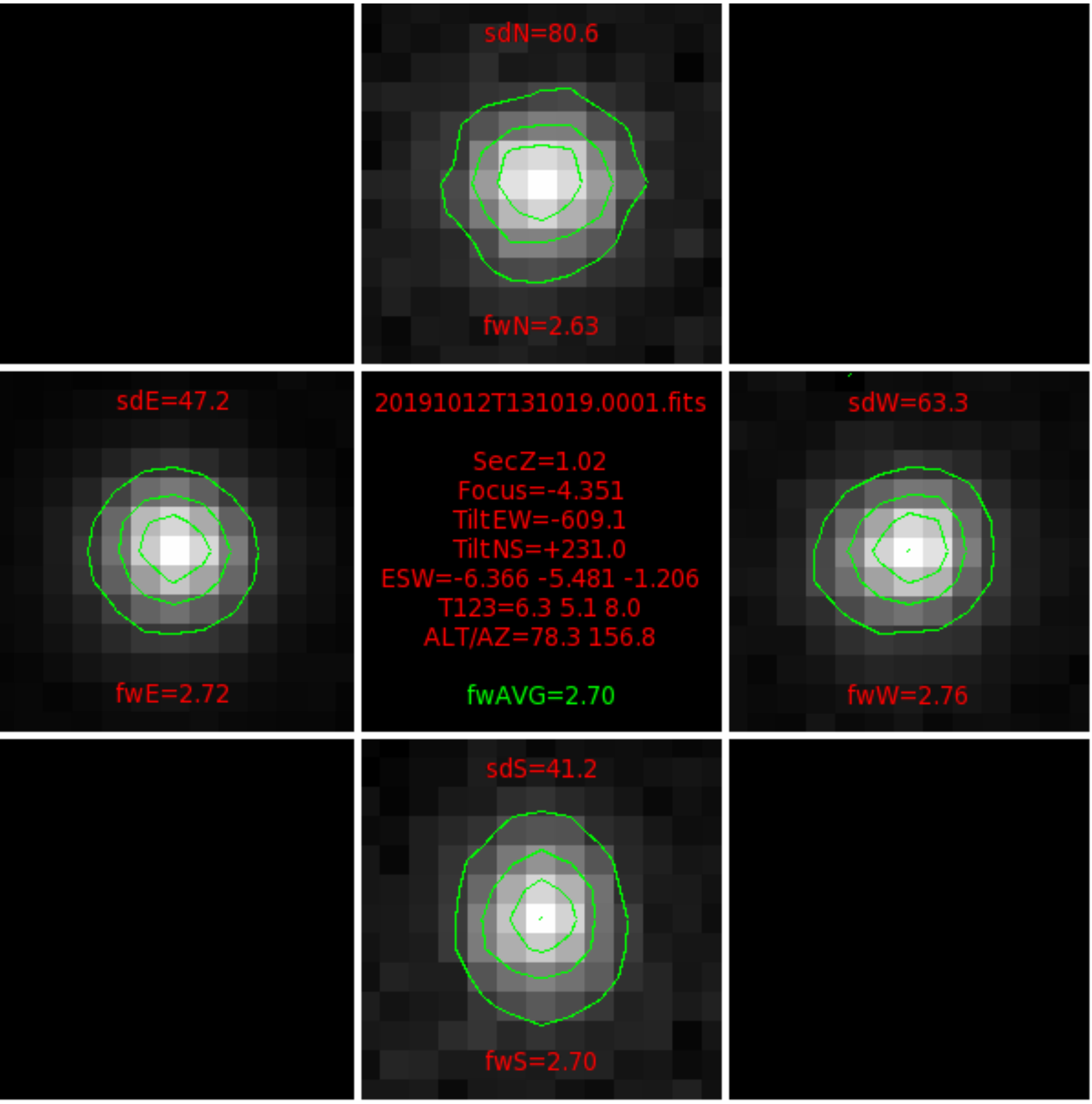
sdN=80.6
fwN=2.63
sdE=47.2
fwE=2.72
20191012T131019.0001.fits
SecZ=1.02
Focus=-4.351
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.366 -5.481 -1.206
T123=6.3 5.1 8.0
ALT/AZ=78.3 156.8
fwAVG=2.70
sdW=63.3
fwW=2.76
sdS=41.2
fwS=2.70
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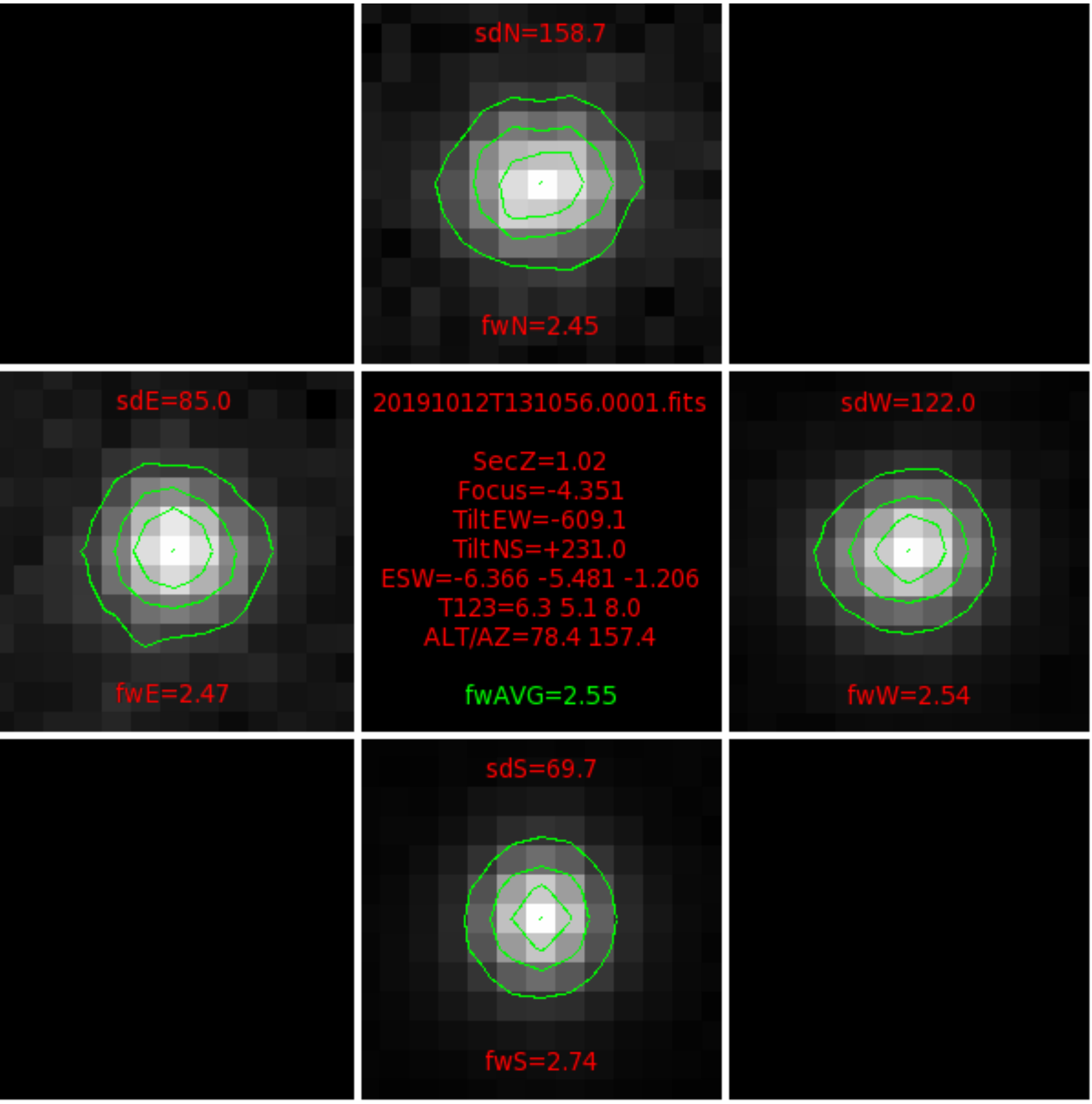
sdN=158.7
fwN=2.45
sdE=85.0
fwE=2.47
20191012T131056.0001.fits
SecZ=1.02
Focus=-4.351
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.366 -5.481 -1.206
T123=6.3 5.1 8.0
ALT/AZ=78.4 157.4
fwAVG=2.55
sdW=122.0
fwW=2.54
sdS=69.7
fwS=2.74
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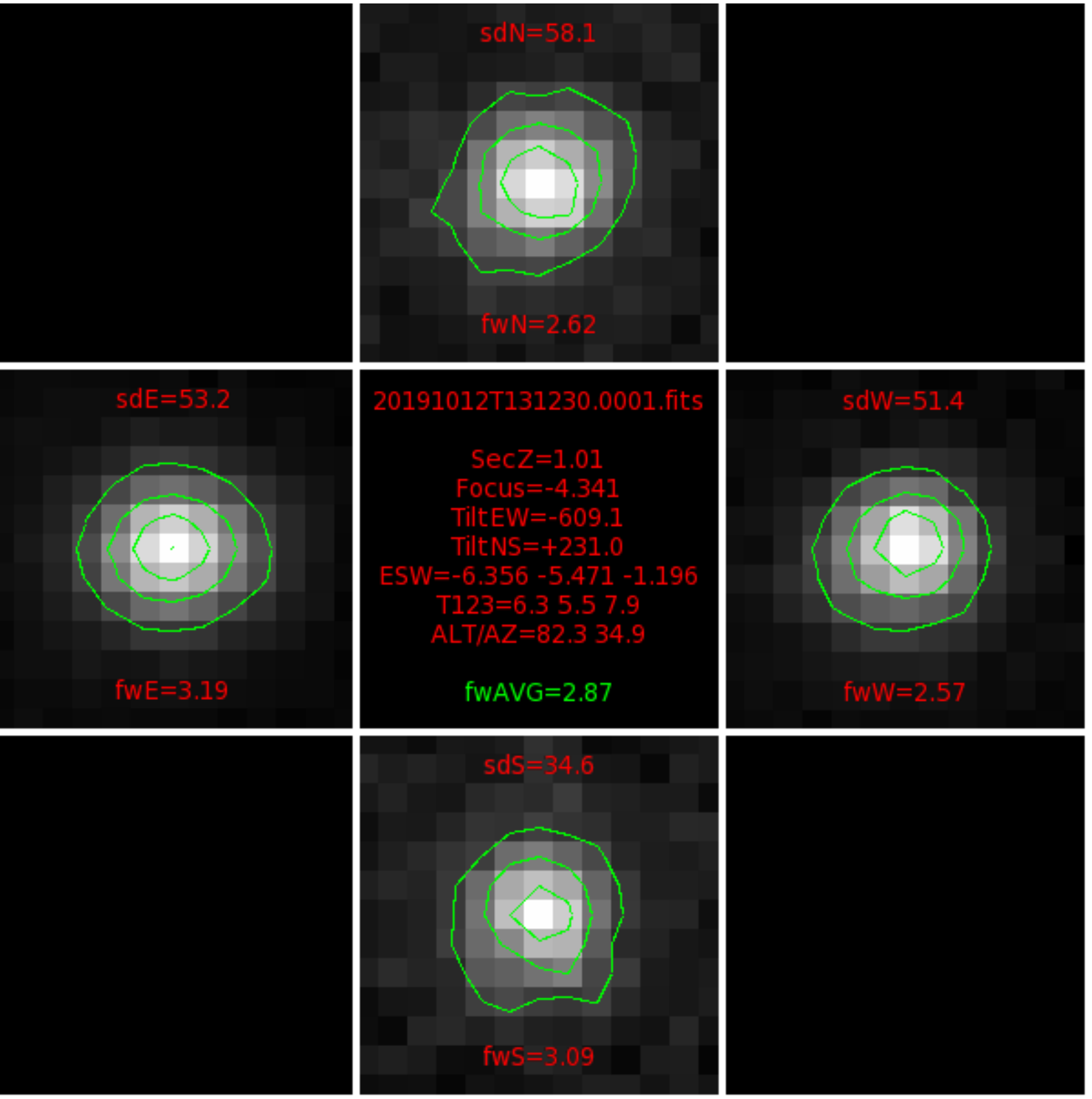
sdN=58.1
fwN=2.62
sdE=53.2
fwE=3.19
20191012T131230.0001.fits
SecZ=1.01
Focus=-4.341
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.356 -5.471 -1.196
T123=6.3 5.5 7.9
ALT/AZ=82.3 34.9
fwAVG=2.87
sdW=51.4
fwW=2.57
sdS=34.6
fwS=3.09
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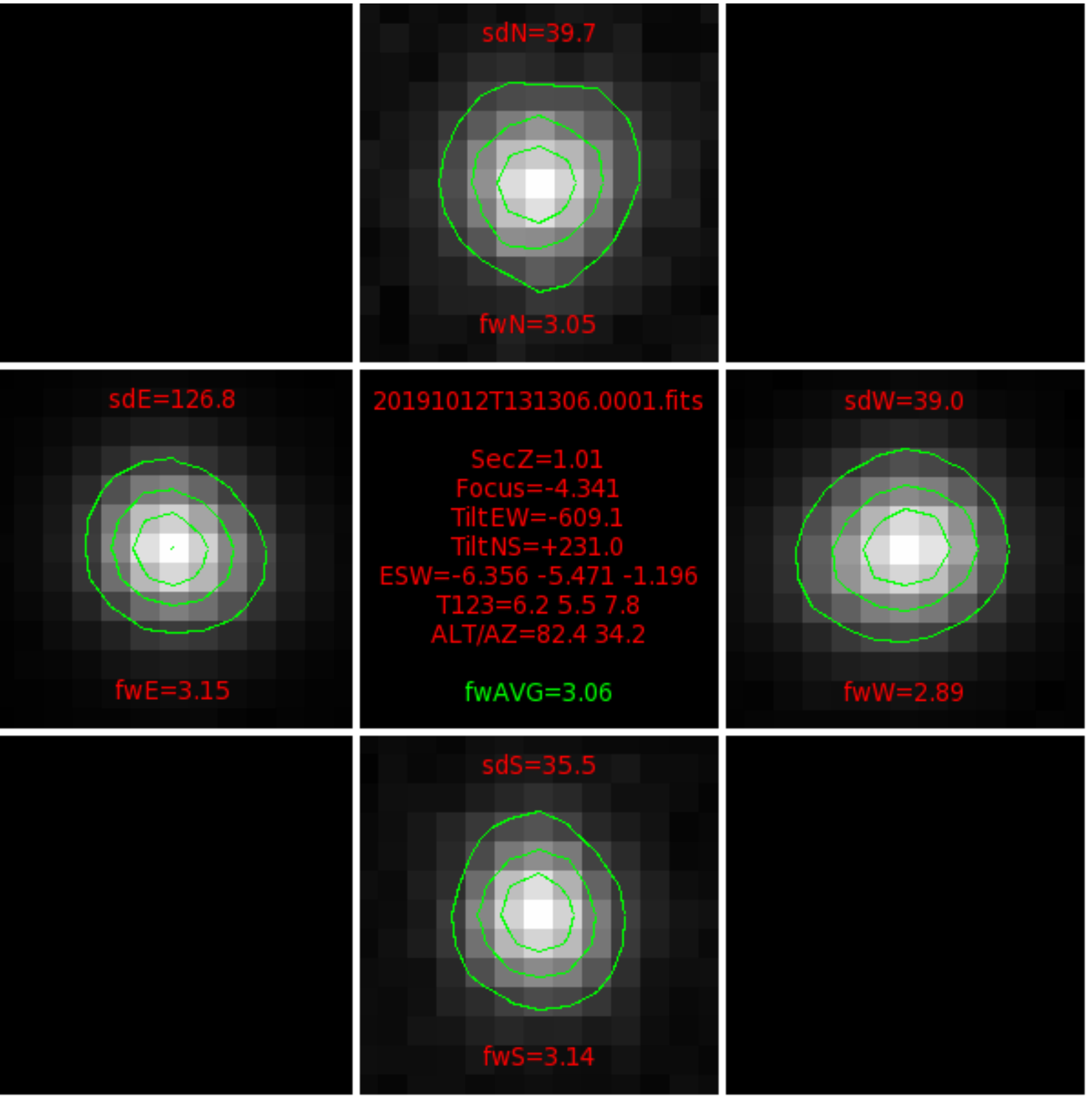
sdN=39.7
fwN=3.05
sdE=126.8
fwE=3.15
20191012T131306.0001.fits
SecZ=1.01
Focus=-4.341
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.356 -5.471 -1.196
T123=6.2 5.5 7.8
ALT/AZ=82.4 34.2
fwAVG=3.06
sdW=39.0
fwW=2.89
sdS=35.5
fwS=3.14
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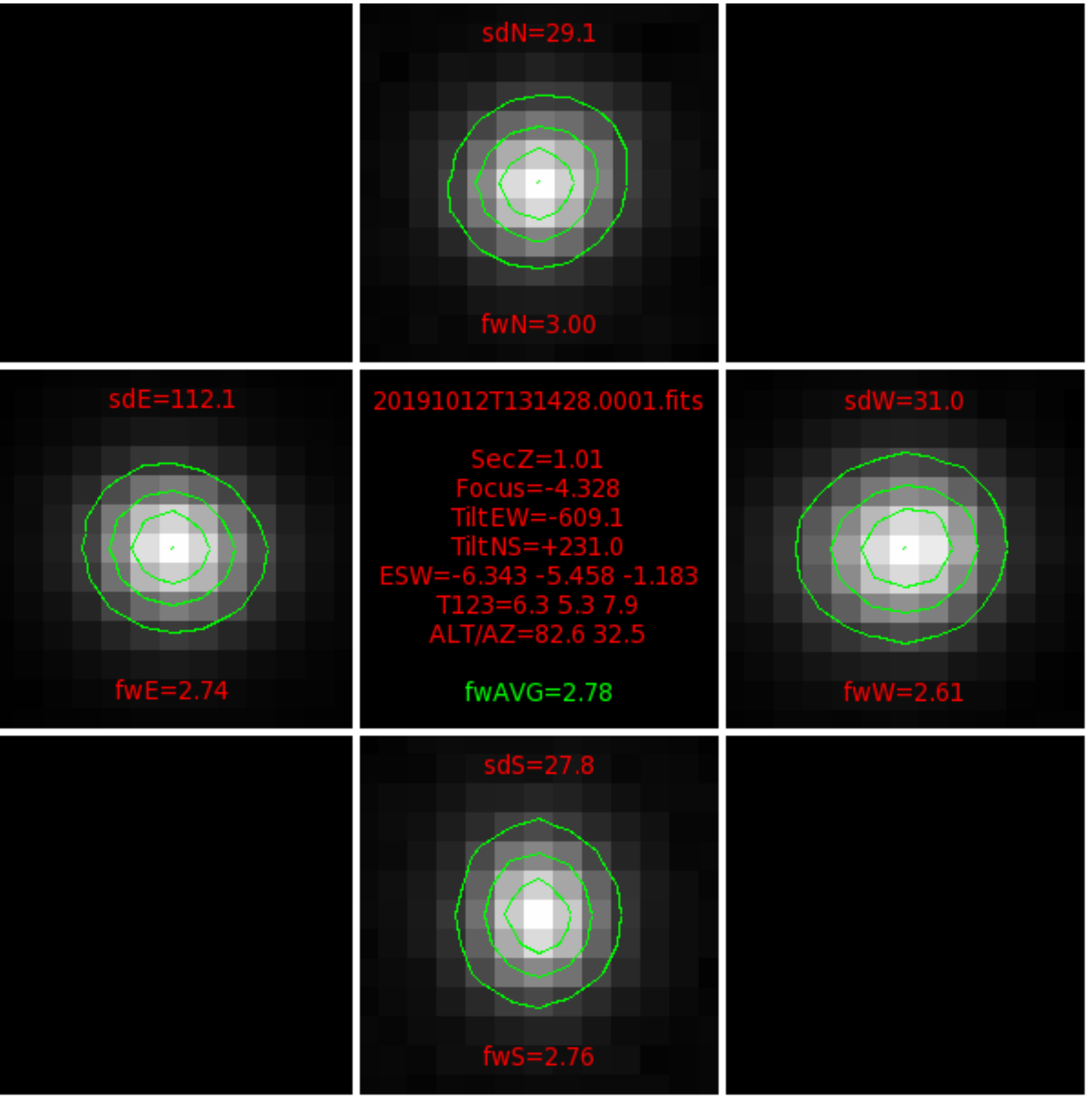
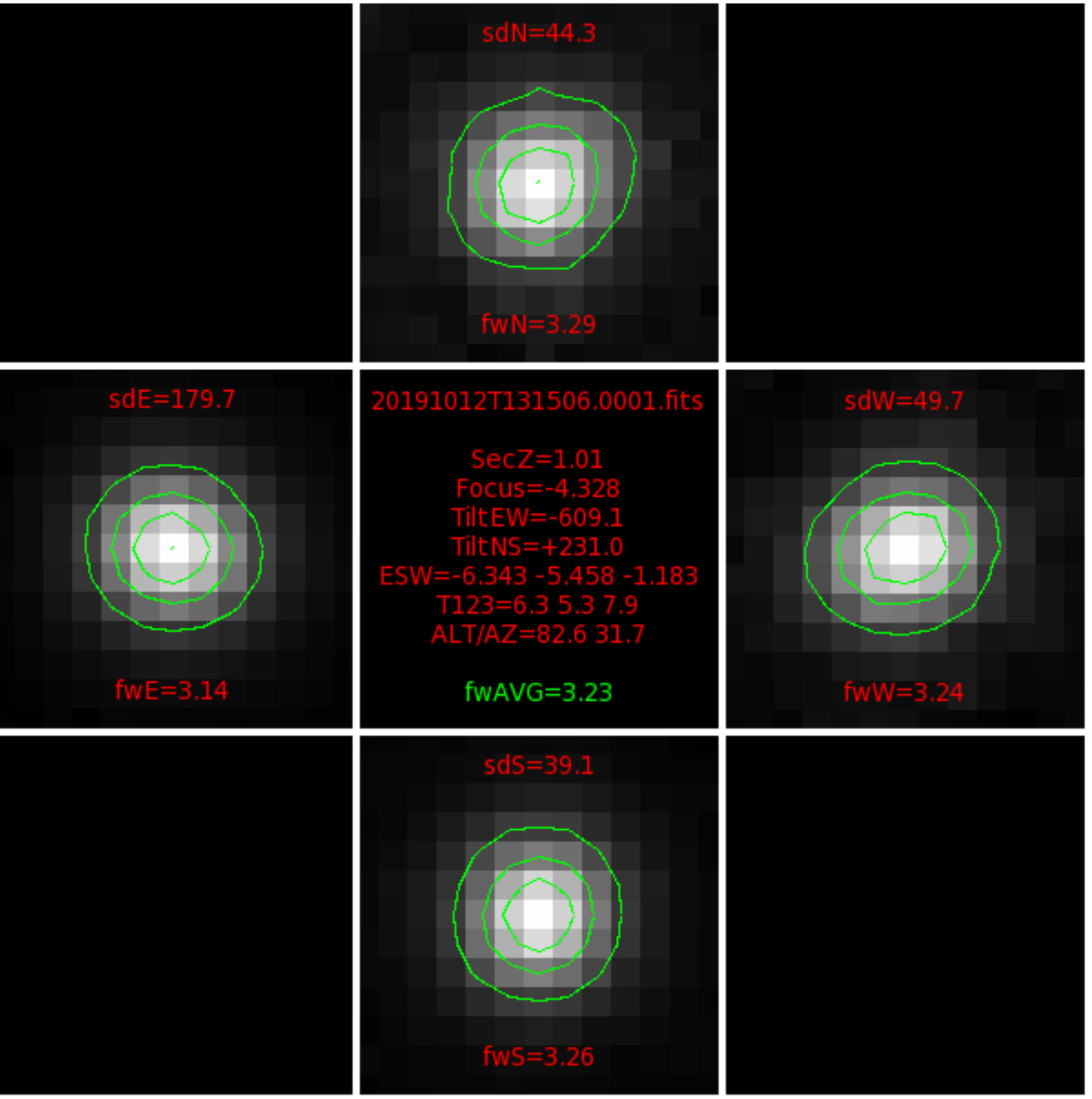

sdN=29.1
fwN=3.00
sdE=112.1
fwE=2.74
20191012T131428.0001.fits
SecZ=1.01
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.3 5.3 7.9
ALT/AZ=82.6 32.5
fwAVG=2.78
sdW=31.0
fwW=2.61
sdS=27.8
fwS=2.76
0 0 0 0 0 0 0 0 0


sdN=44.3
fwN=3.29
sdE=179.7
fwE=3.14
20191012T131506.0001.fits
SecZ=1.01
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.3 5.3 7.9
ALT/AZ=82.6 31.7
fwAVG=3.23
sdW=49.7
fwW=3.24
sdS=39.1
fwS=3.26
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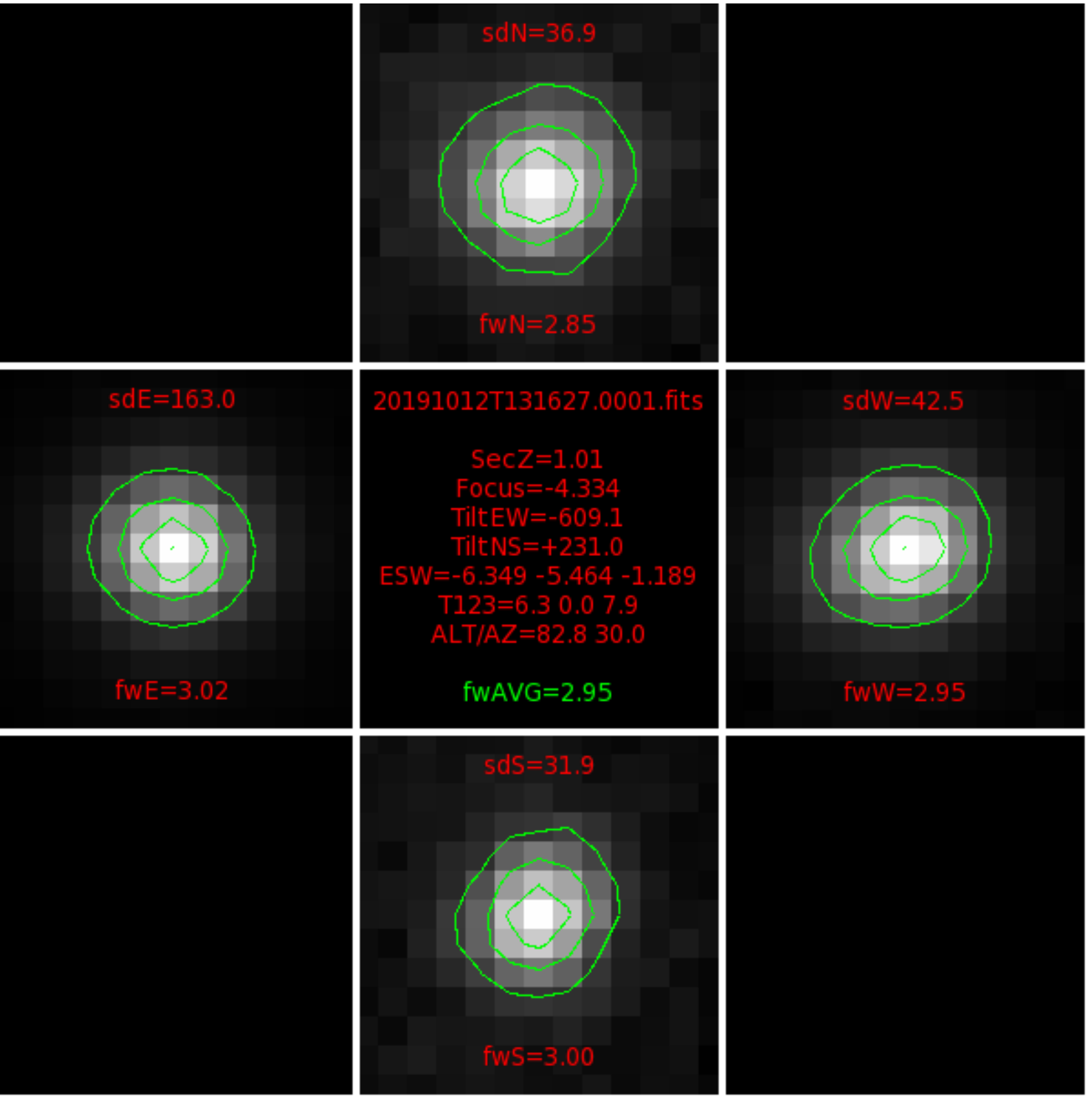
sdN=36.9
fwN=2.85
sdE=163.0
fwE=3.02
20191012T131627.0001.fits
SecZ=1.01
Focus=-4.334
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.349 -5.464 -1.189
T123=6.3 0.0 7.9
ALT/AZ=82.8 30.0
fwAVG=2.95
sdW=42.5
fwW=2.95
sdS=31.9
fwS=3.00
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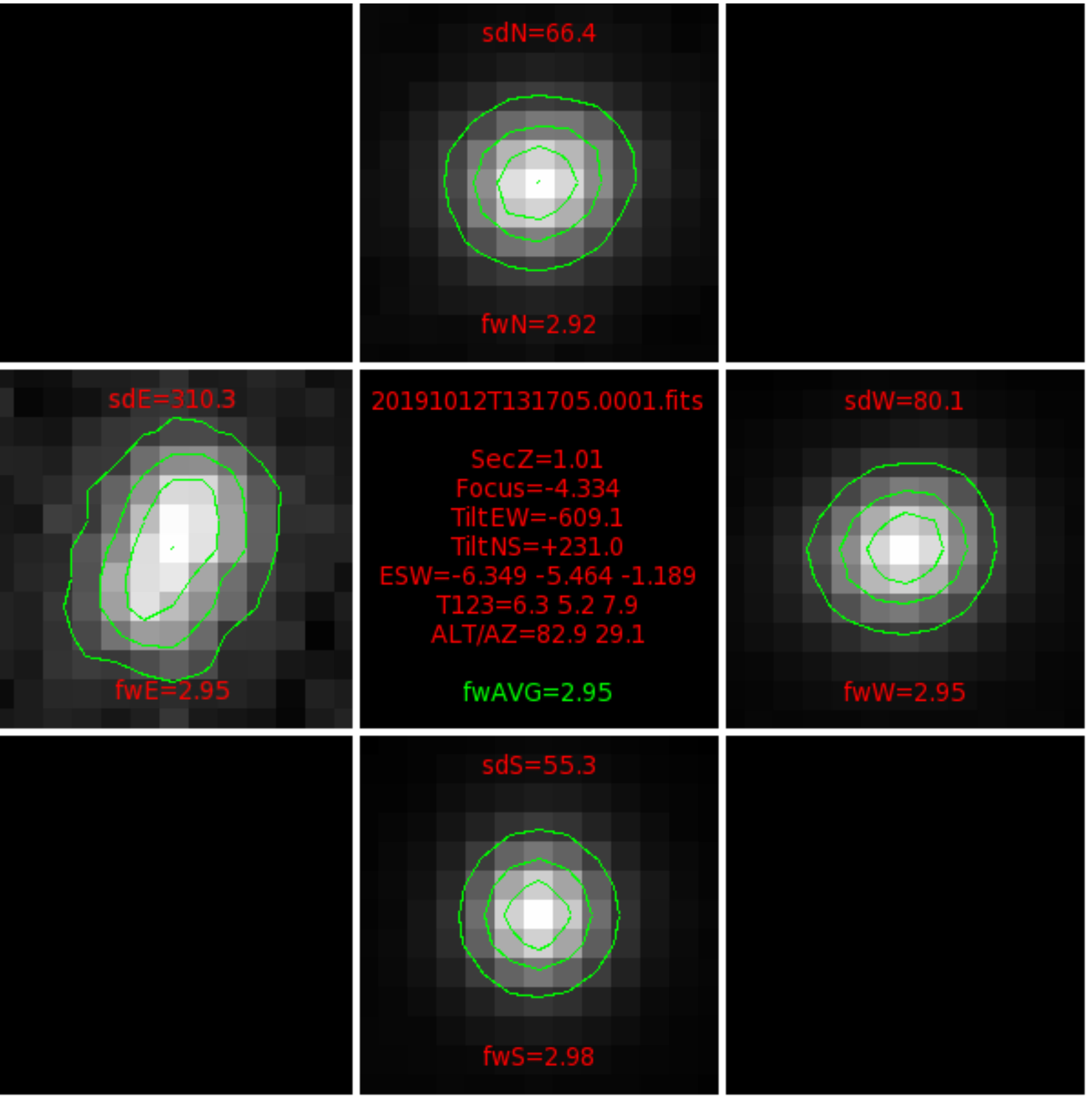
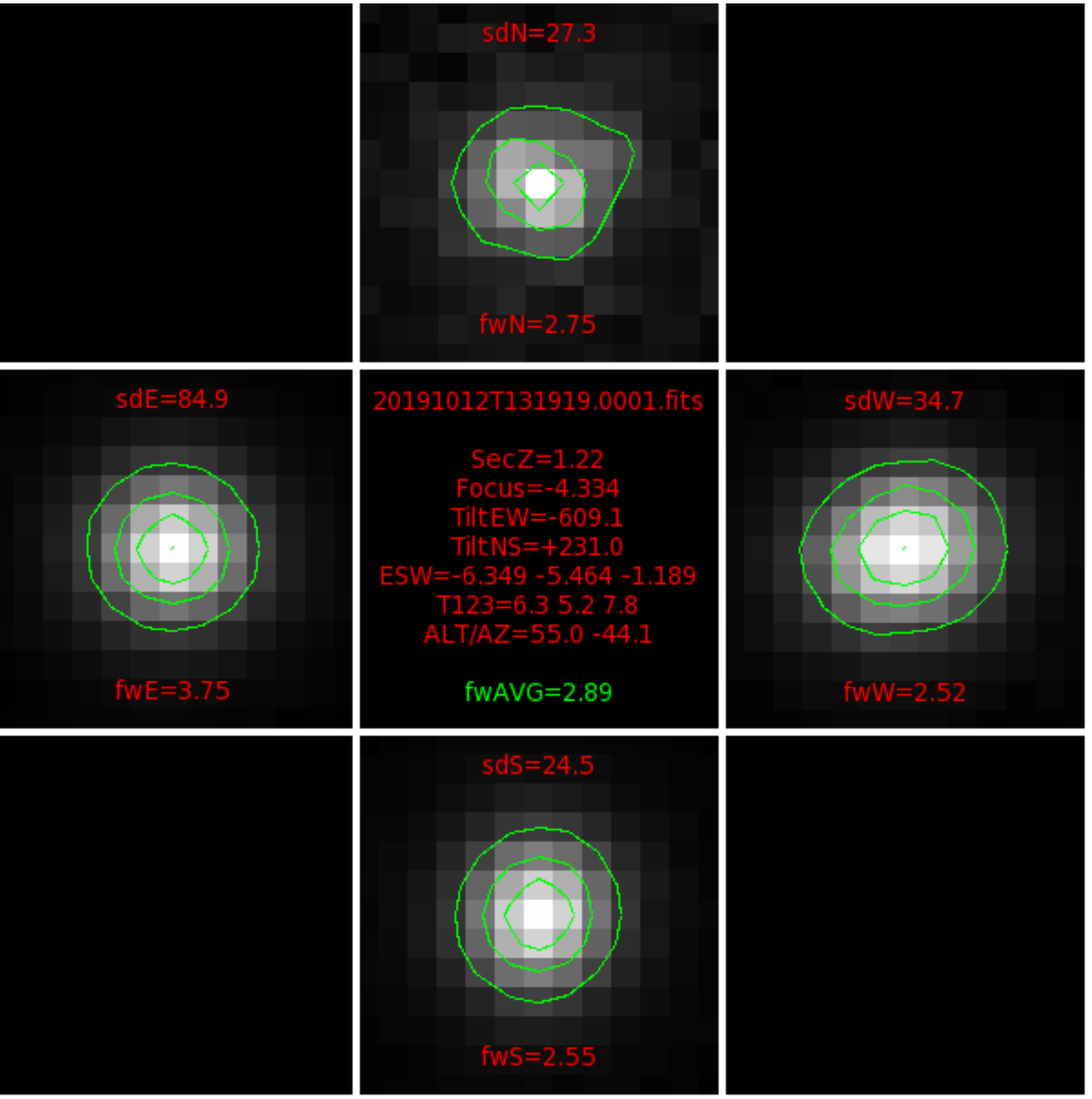

sdN=66.4
fwN=2.92
sdE=310.3
fwE=2.95
20191012T131705.0001.fits
SecZ=1.01
Focus=-4.334
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.349 -5.464 -1.189
T123=6.3 5.2 7.9
ALT/AZ=82.9 29.1
fwAVG=2.95
sdW=80.1
fwW=2.95
sdS=55.3
fwS=2.98
0 0 0 0 0 0 0 0 0


sdN=27.3
fwN=2.75
sdE=84.9
fwE=3.75
20191012T131919.0001.fits
SecZ=1.22
Focus=-4.334
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.349 -5.464 -1.189
T123=6.3 5.2 7.8
ALT/AZ=55.0 -44.1
fwAVG=2.89
sdW=34.7
fwW=2.52
sdS=24.5
fwS=2.55
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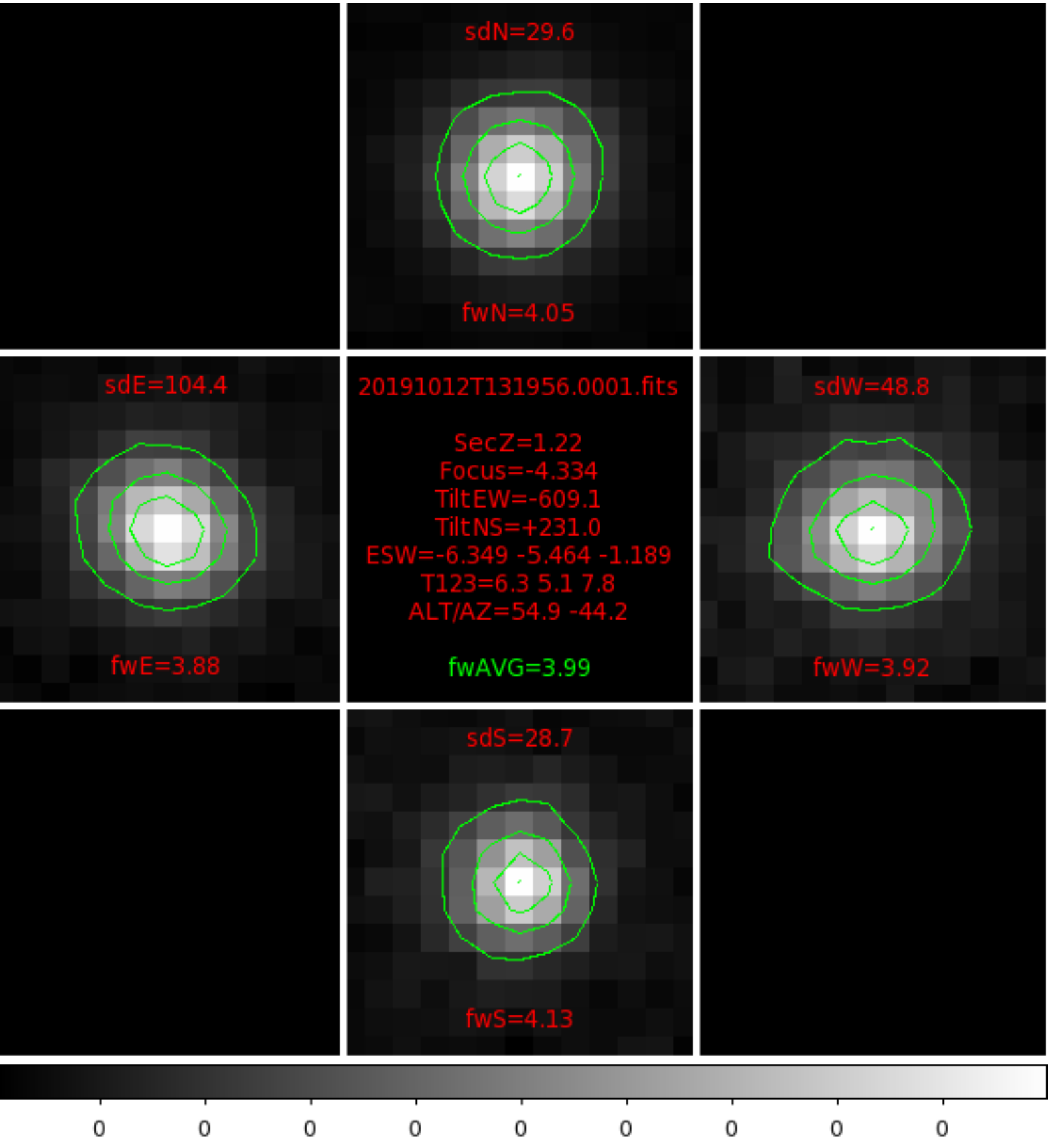
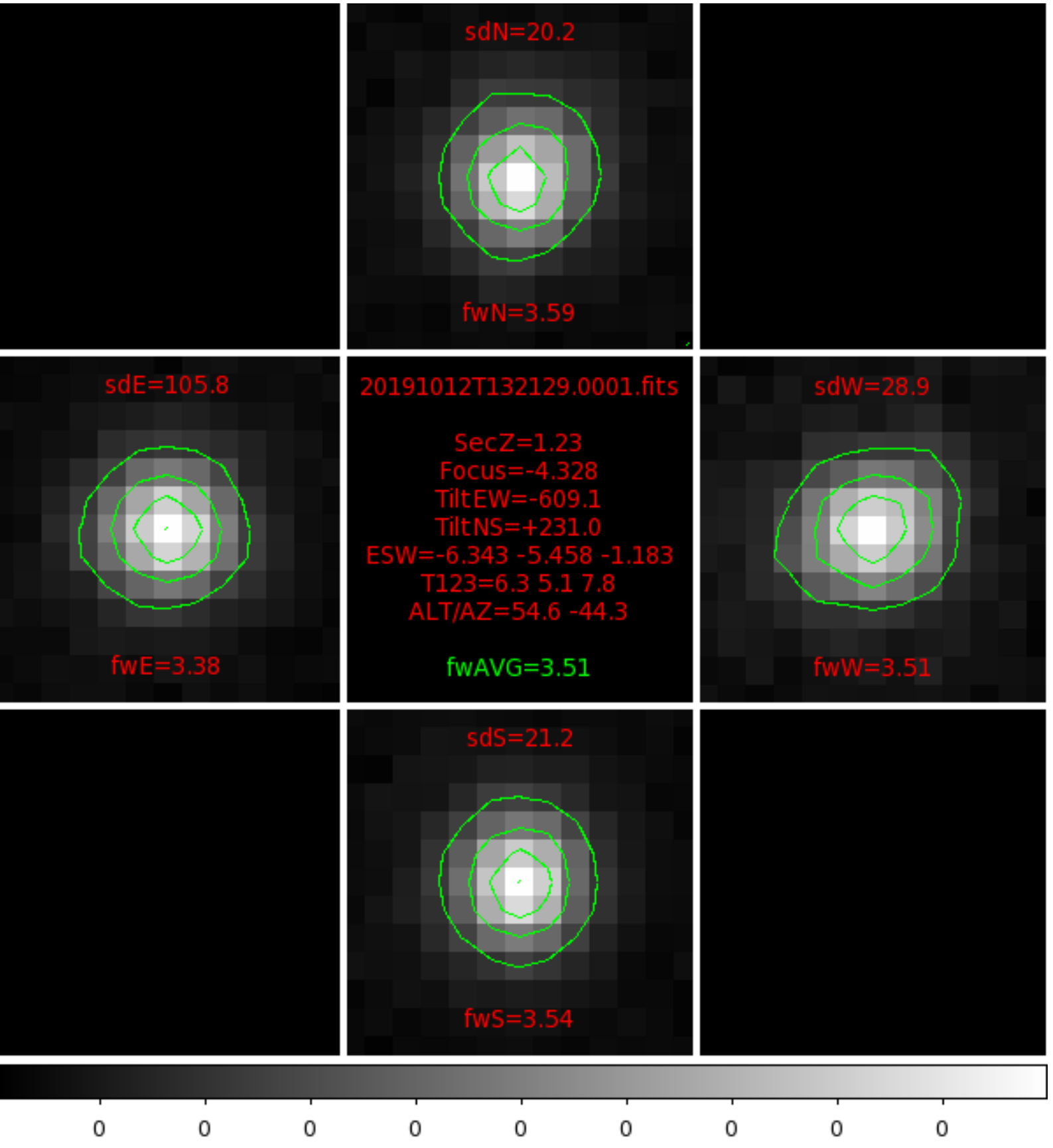

sdN=29.6
fwN=4.05
sdE=104.4
fwE=3.88
20191012T131956.0001.fits
SecZ=1.22
Focus=-4.334
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.349 -5.464 -1.189
T123=6.3 5.1 7.8
ALT/AZ=54.9 -44.2
fwAVG=3.99
sdW=48.8
fwW=3.92
sdS=28.7
fwS=4.13
0 0 0 0 0 0 0 0 0


sdN=20.2
fwN=3.59
sdE=105.8
fwE=3.38
20191012T132129.0001.fits
SecZ=1.23
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.3 5.1 7.8
ALT/AZ=54.6 -44.3
fwAVG=3.51
sdW=28.9
fwW=3.51
sdS=21.2
fwS=3.54
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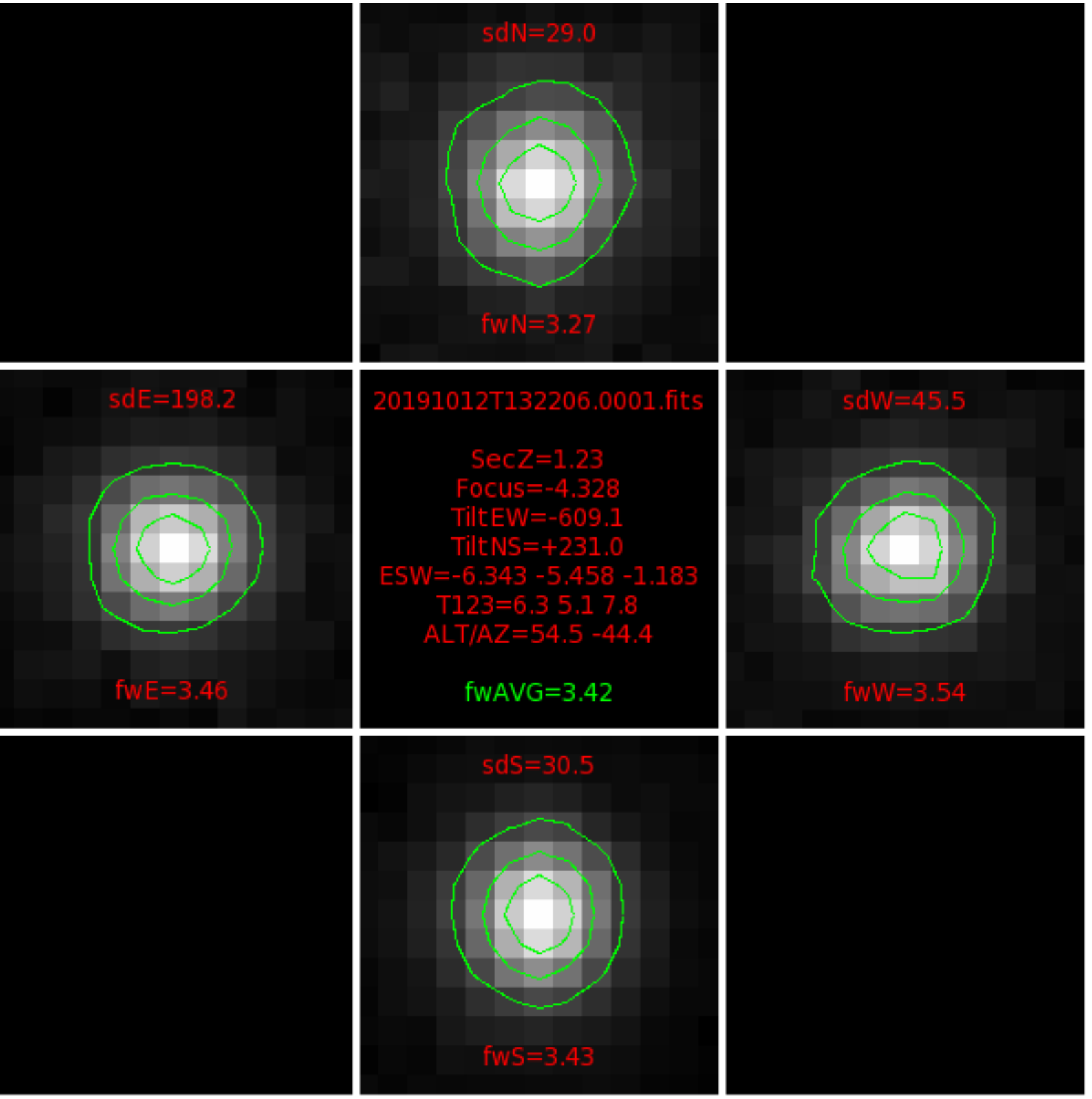
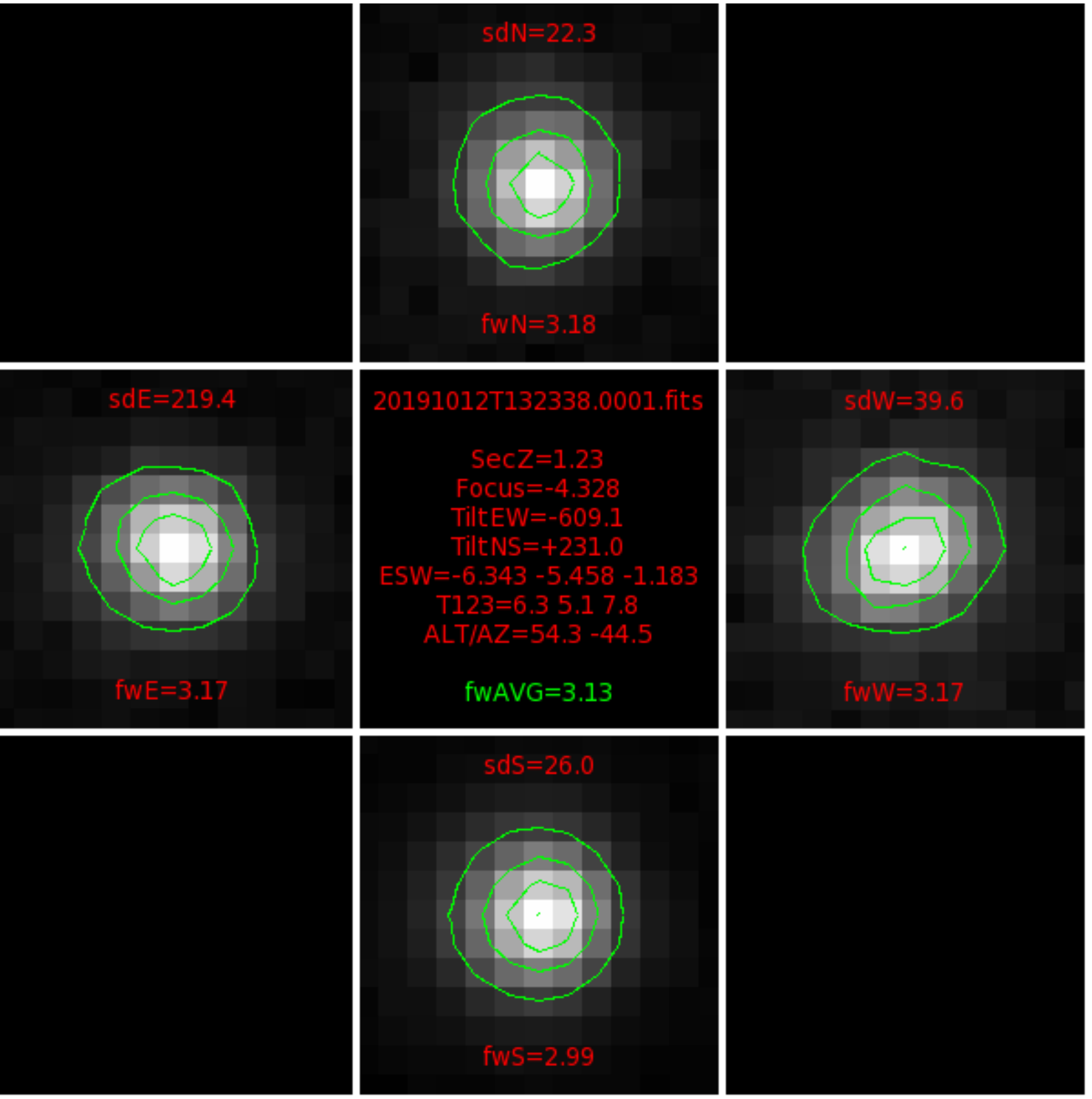
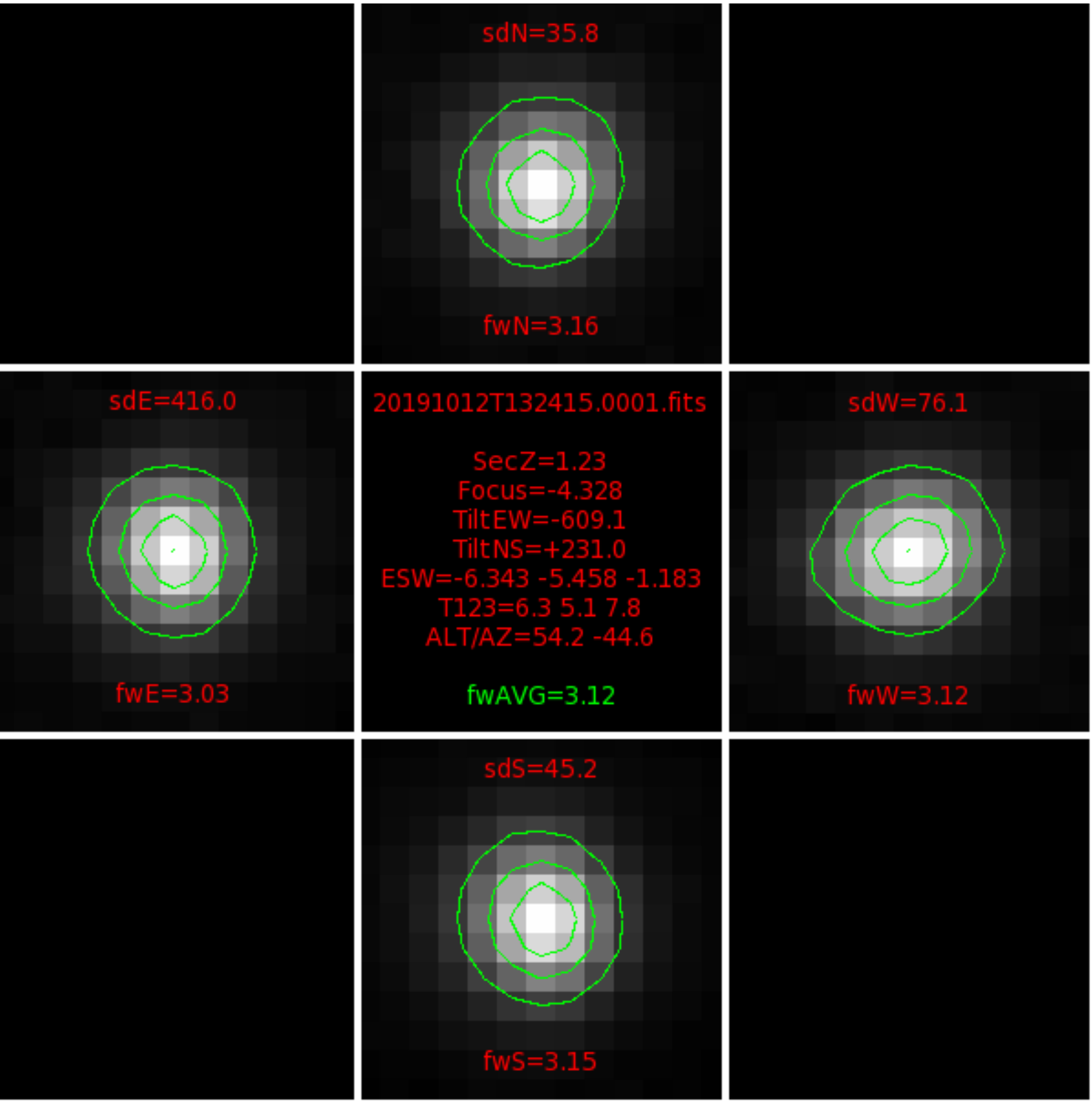

sdN=29.0
fwN=3.27
sdE=198.2
fwE=3.46
20191012T132206.0001.fits
SecZ=1.23
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.3 5.1 7.8
ALT/AZ=54.5 -44.4
fwAVG=3.42
sdW=45.5
fwW=3.54
sdS=30.5
fwS=3.43
0 0 0 0 0 0 0 0 0


sdN=22.3
fwN=3.18
sdE=219.4
fwE=3.17
20191012T132338.0001.fits
SecZ=1.23
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.3 5.1 7.8
ALT/AZ=54.3 -44.5
fwAVG=3.13
sdW=39.6
fwW=3.17
sdS=26.0
fwS=2.99
0 0 0 0 0 0 0 0 0


sdN=35.8
fwN=3.16
sdE=416.0
fwE=3.03
20191012T132415.0001.fits
SecZ=1.23
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.3 5.1 7.8
ALT/AZ=54.2 -44.6
fwAVG=3.12
sdW=76.1
fwW=3.12
sdS=45.2
fwS=3.15
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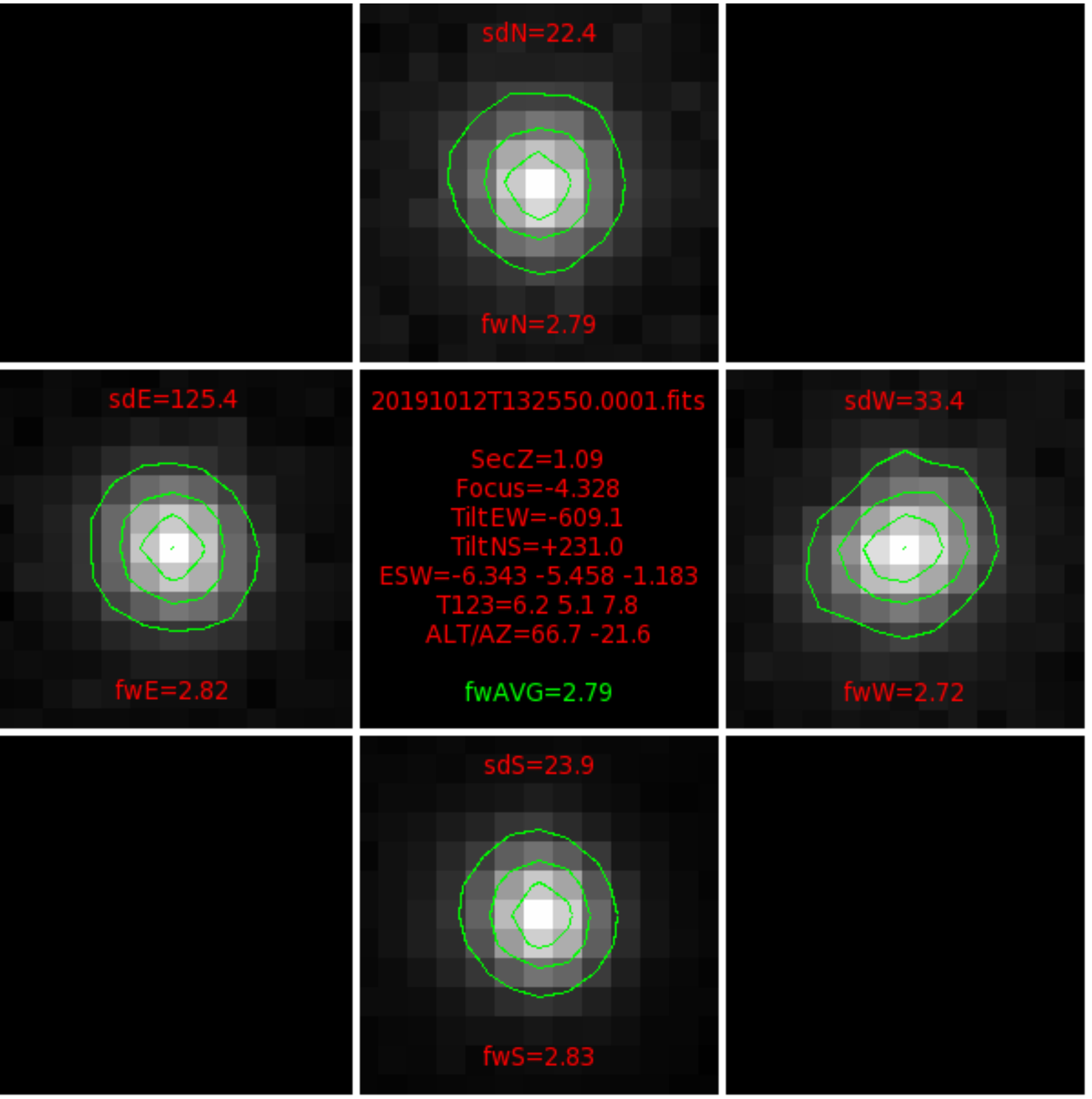
sdN=22.4
fwN=2.79
sdE=125.4
fwE=2.82
20191012T132550.0001.fits
SecZ=1.09
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.2 5.1 7.8
ALT/AZ=66.7 -21.6
fwAVG=2.79
sdW=33.4
fwW=2.72
sdS=23.9
fwS=2.83
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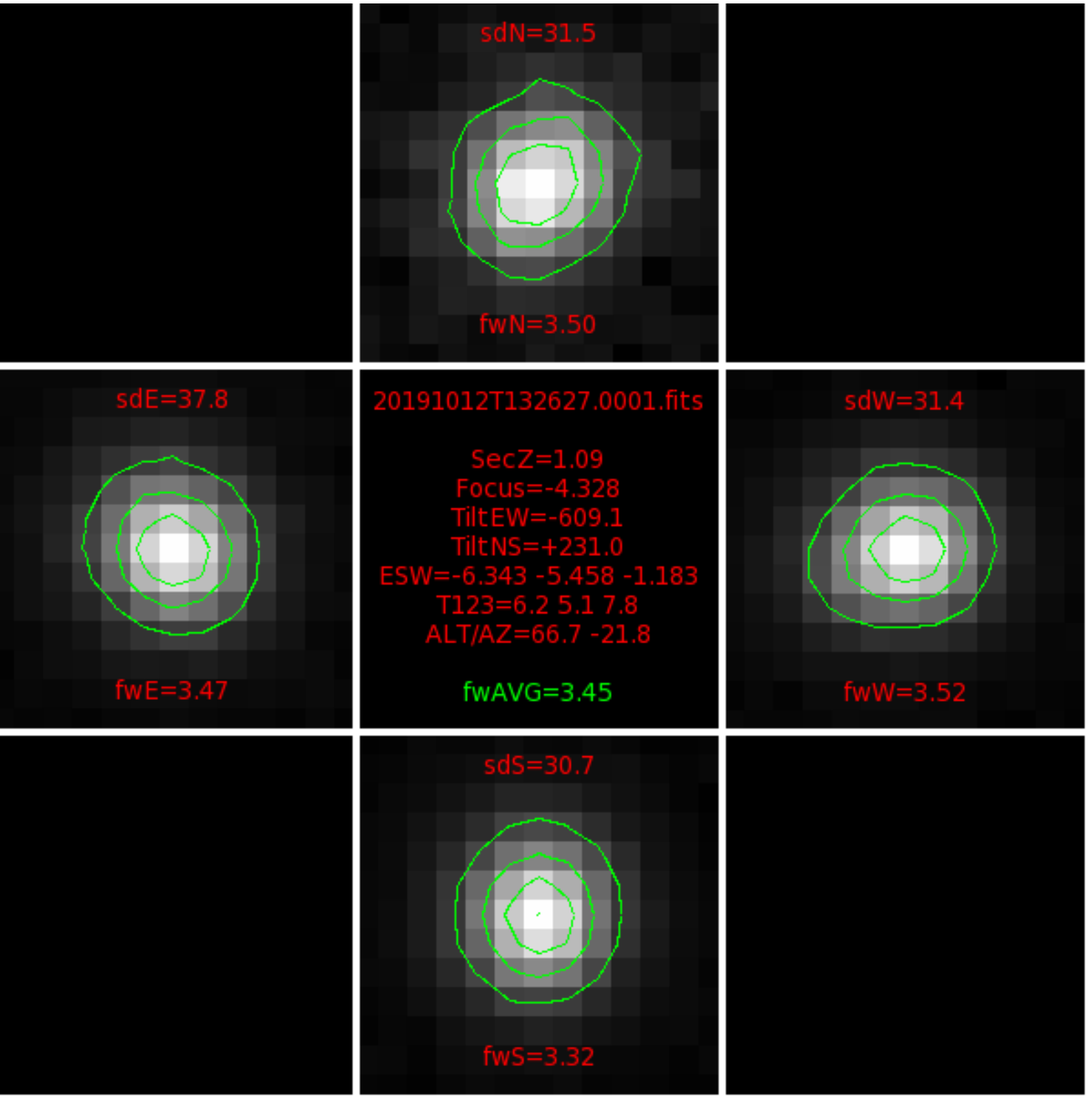
sdN=31.5
fwN=3.50
sdE=37.8
fwE=3.47
20191012T132627.0001.fits
SecZ=1.09
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.2 5.1 7.8
ALT/AZ=66.7 -21.8
fwAVG=3.45
sdW=31.4
fwW=3.52
sdS=30.7
fwS=3.32
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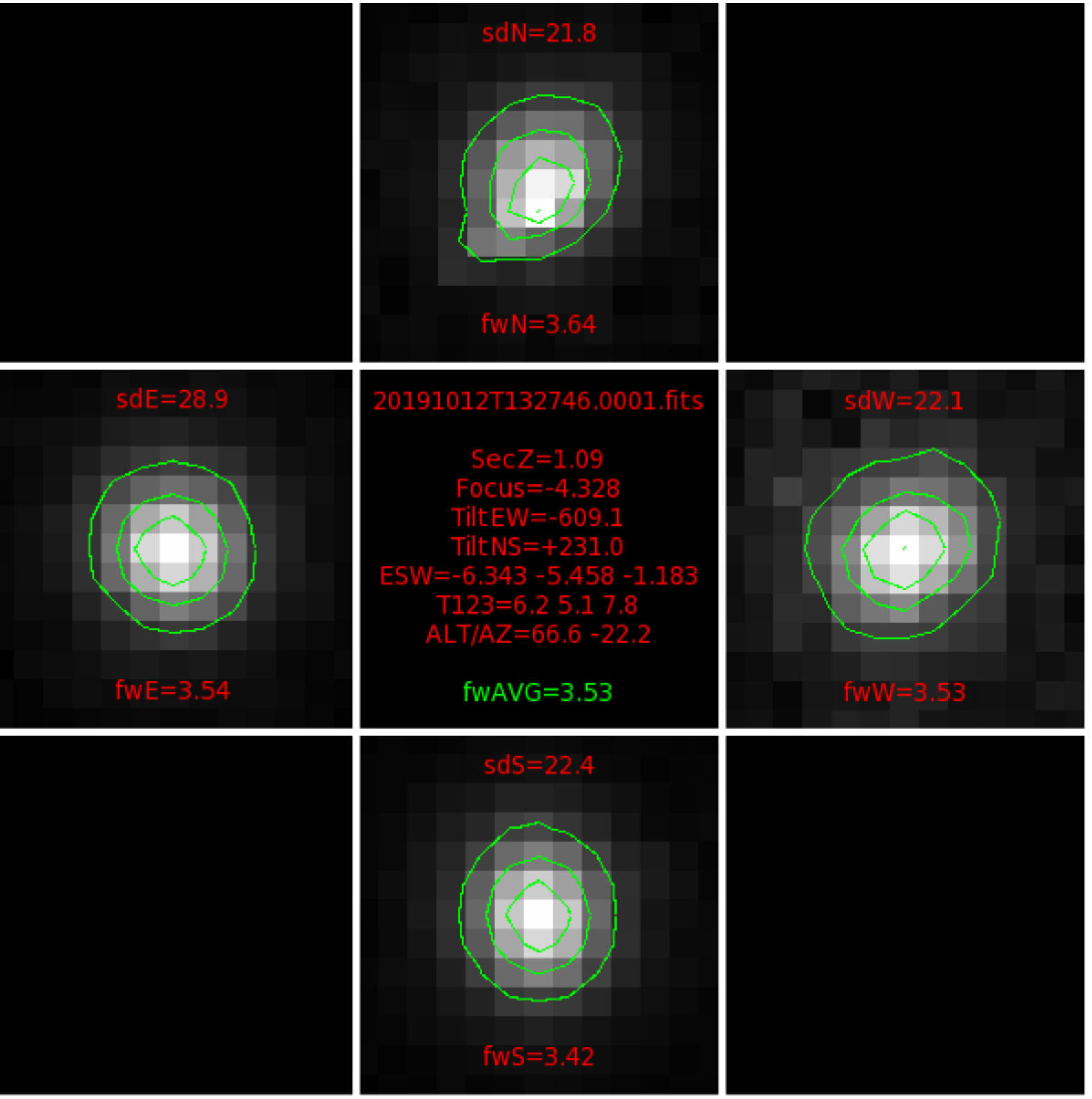
sdN=21.8
fwN=3.64
sdE=28.9
fwE=3.54
20191012T132746.0001.fits
SecZ=1.09
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.2 5.1 7.8
ALT/AZ=66.6 -22.2
fwAVG=3.53
sdW=22.1
fwW=3.53
sdS=22.4
fwS=3.42
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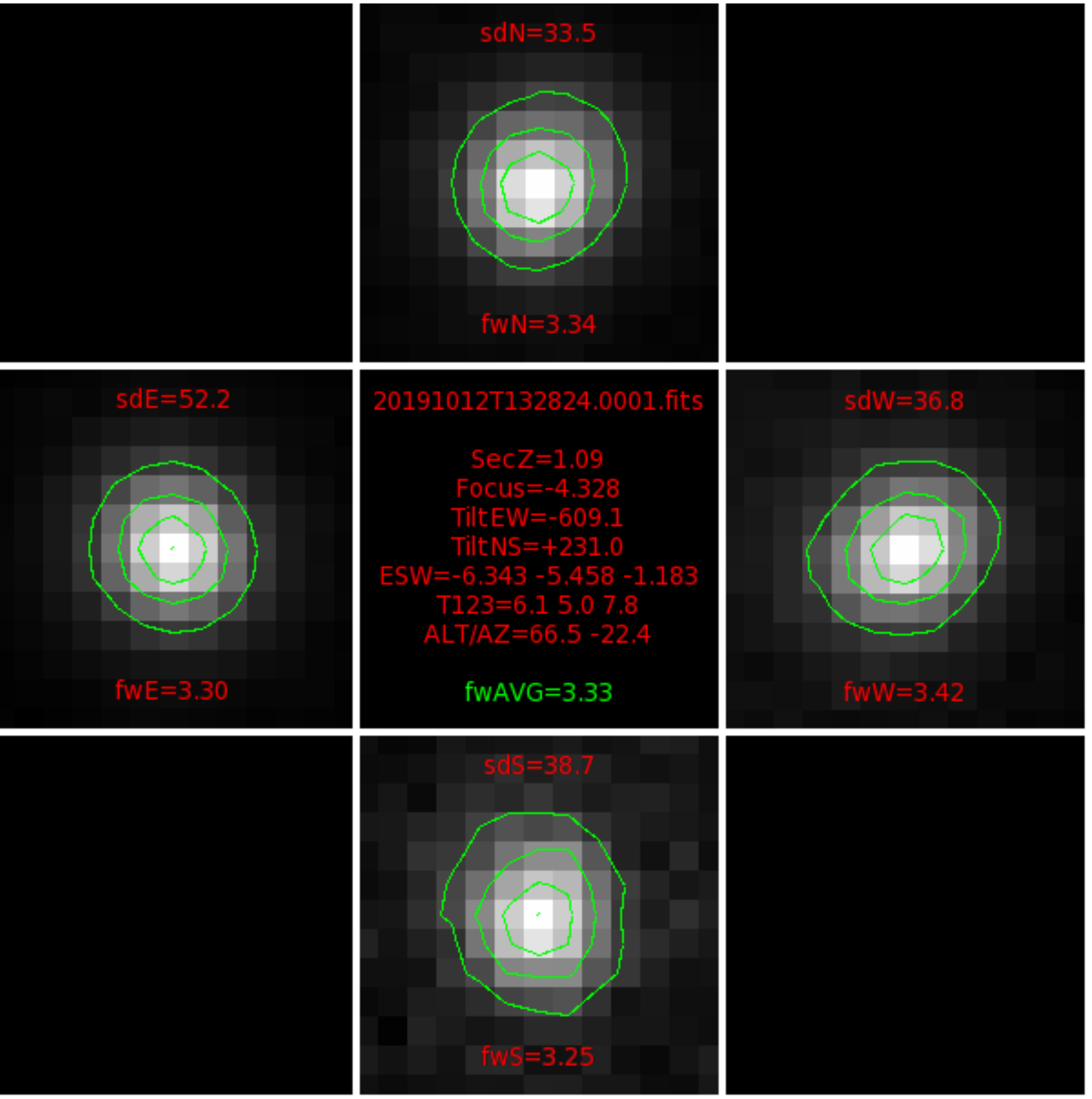
sdN=33.5
fwN=3.34
sdE=52.2
fwE=3.30
20191012T132824.0001.fits
SecZ=1.09
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.1 5.0 7.8
ALT/AZ=66.5 -22.4
fwAVG=3.33
sdW=36.8
fwW=3.42
sdS=38.7
fwS=3.25
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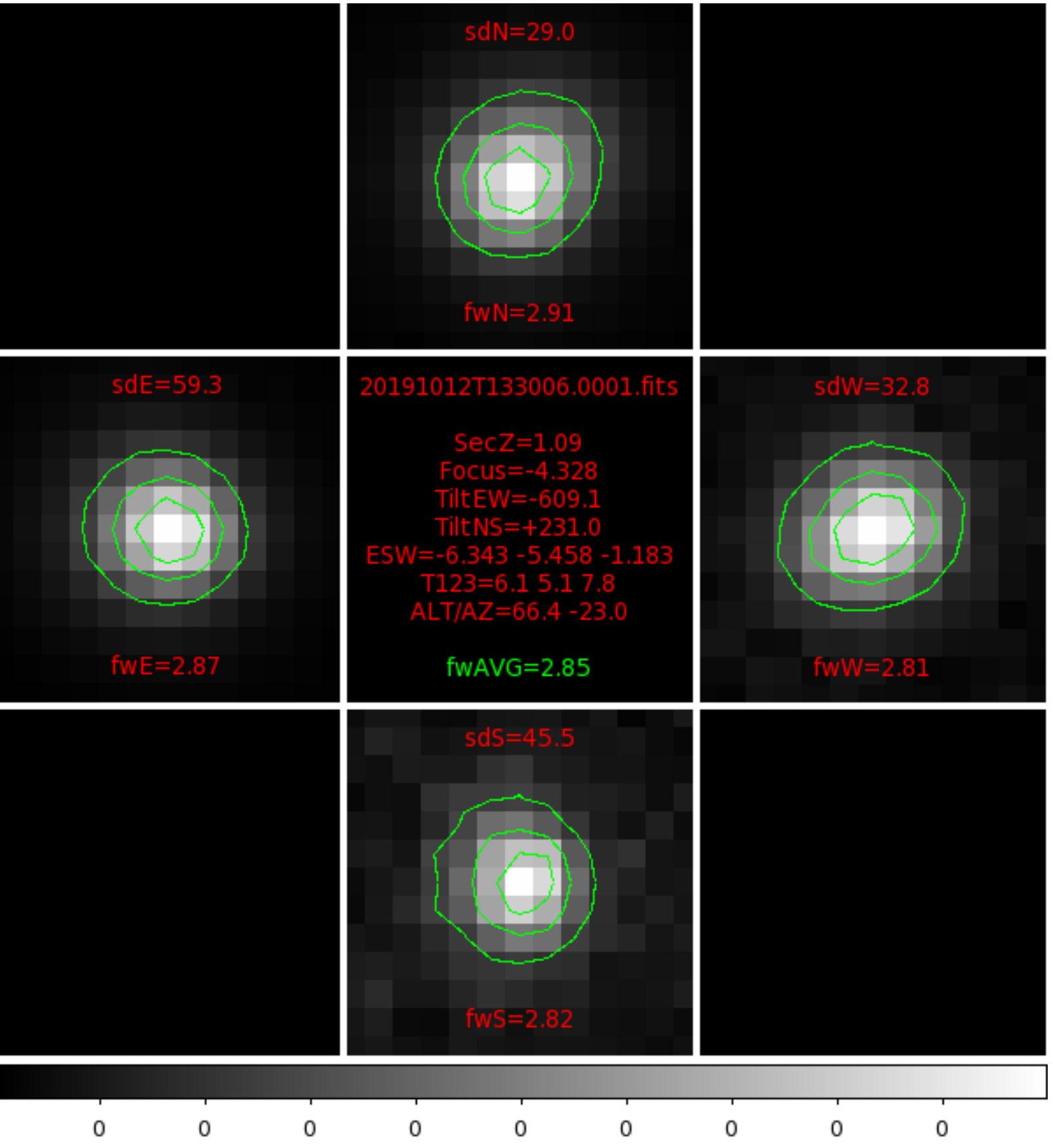
sdN=29.0
fwN=2.91
sdE=59.3
fwE=2.87
20191012T133006.0001.fits
SecZ=1.09
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.1 5.1 7.8
ALT/AZ=66.4 -23.0
fwAVG=2.85
sdW=32.8
fwW=2.81
sdS=45.5
fwS=2.82
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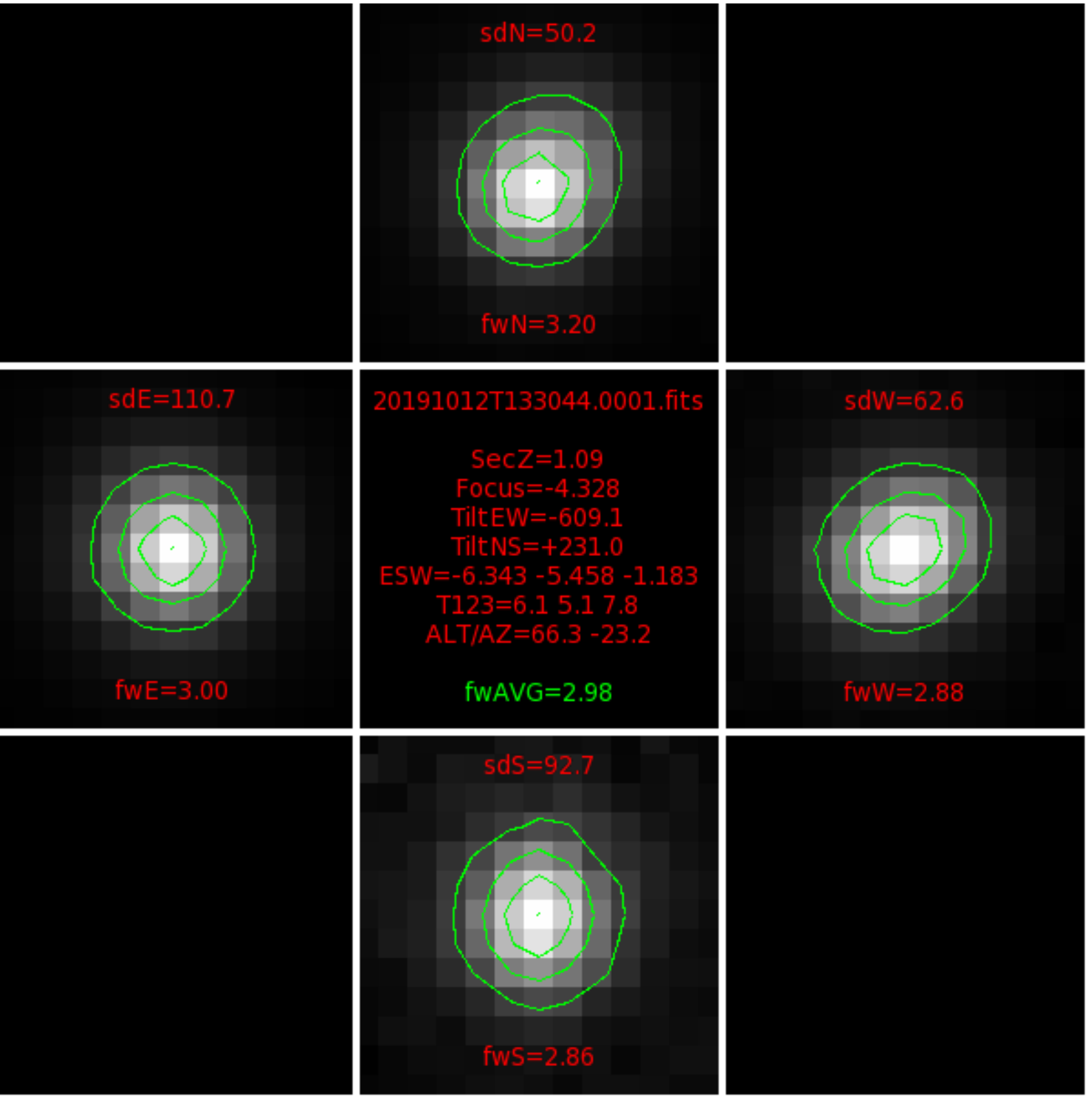
sdN=50.2
fwN=3.20
sdE=110.7
fwE=3.00
20191012T133044.0001.fits
SecZ=1.09
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.1 5.1 7.8
ALT/AZ=66.3 -23.2
fwAVG=2.98
sdW=62.6
fwW=2.88
sdS=92.7
fwS=2.86
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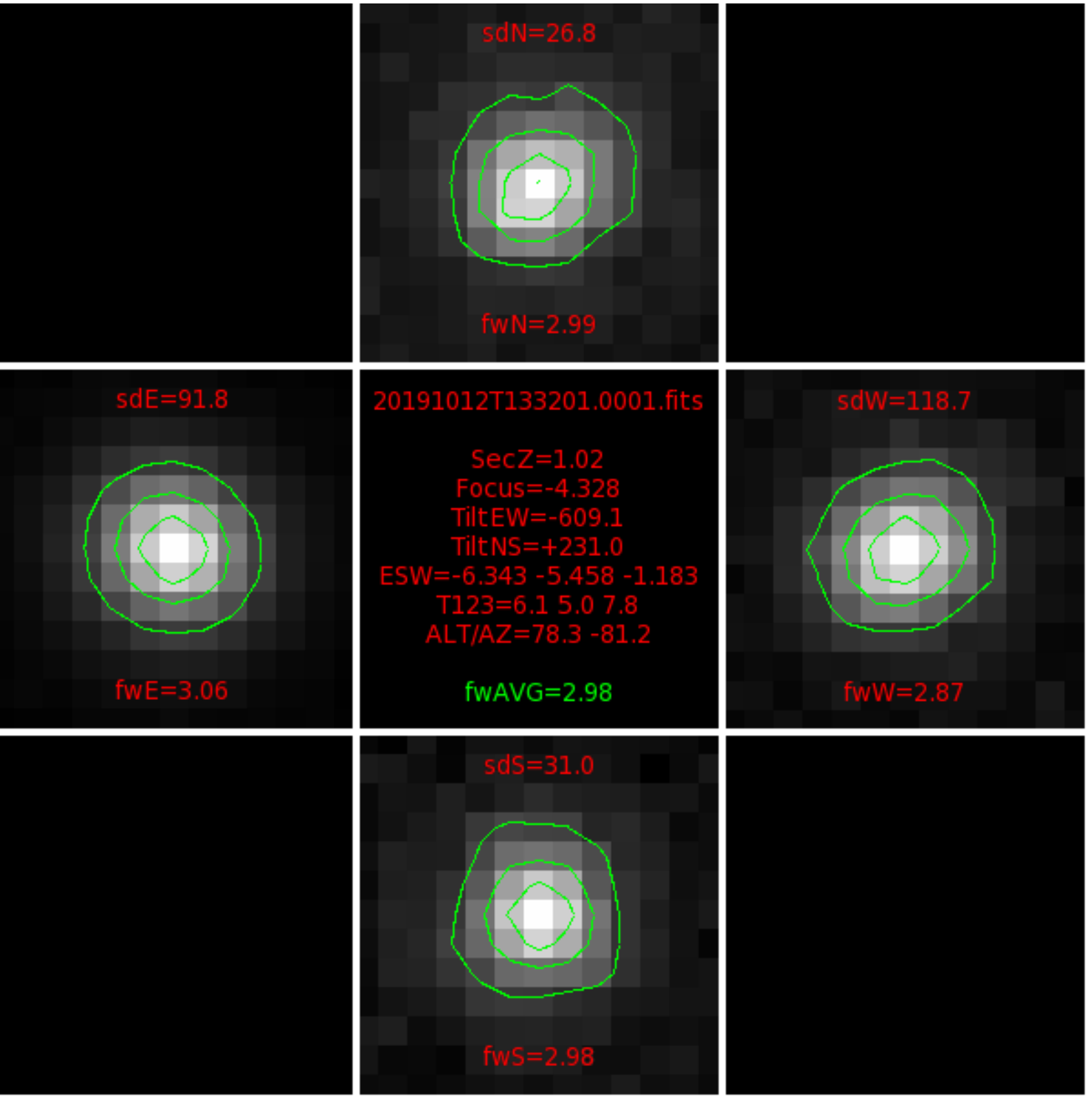
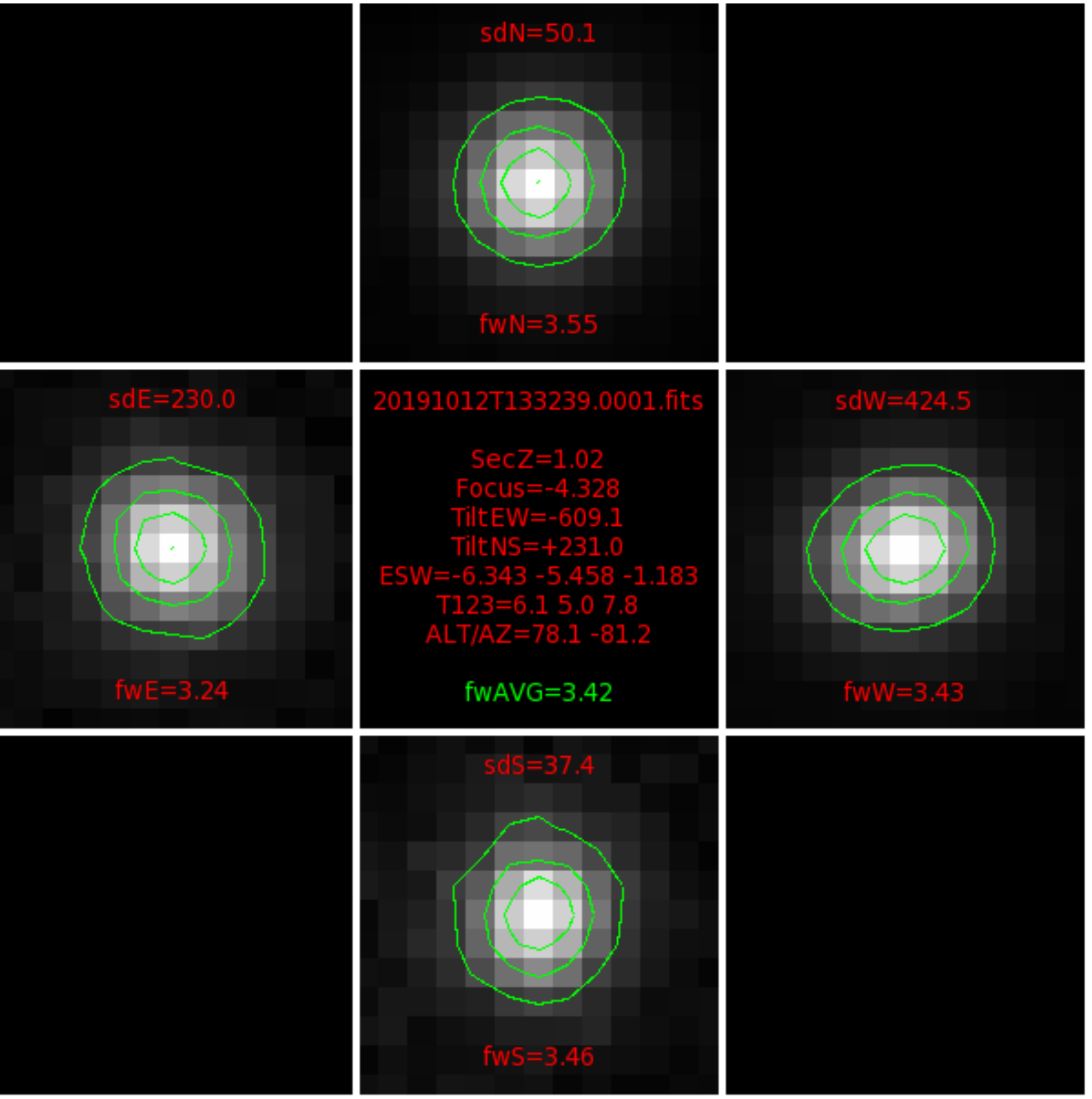

sdN=26.8
fwN=2.99
sdE=91.8
fwE=3.06
20191012T133201.0001.fits
SecZ=1.02
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.1 5.0 7.8
ALT/AZ=78.3 -81.2
fwAVG=2.98
sdW=118.7
fwW=2.87
sdS=31.0
fwS=2.98
0 0 0 0 0 0 0 0 0


sdN=50.1
fwN=3.55
sdE=230.0
fwE=3.24
20191012T133239.0001.fits
SecZ=1.02
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.1 5.0 7.8
ALT/AZ=78.1 -81.2
fwAVG=3.42
sdW=424.5
fwW=3.43
sdS=37.4
fwS=3.46
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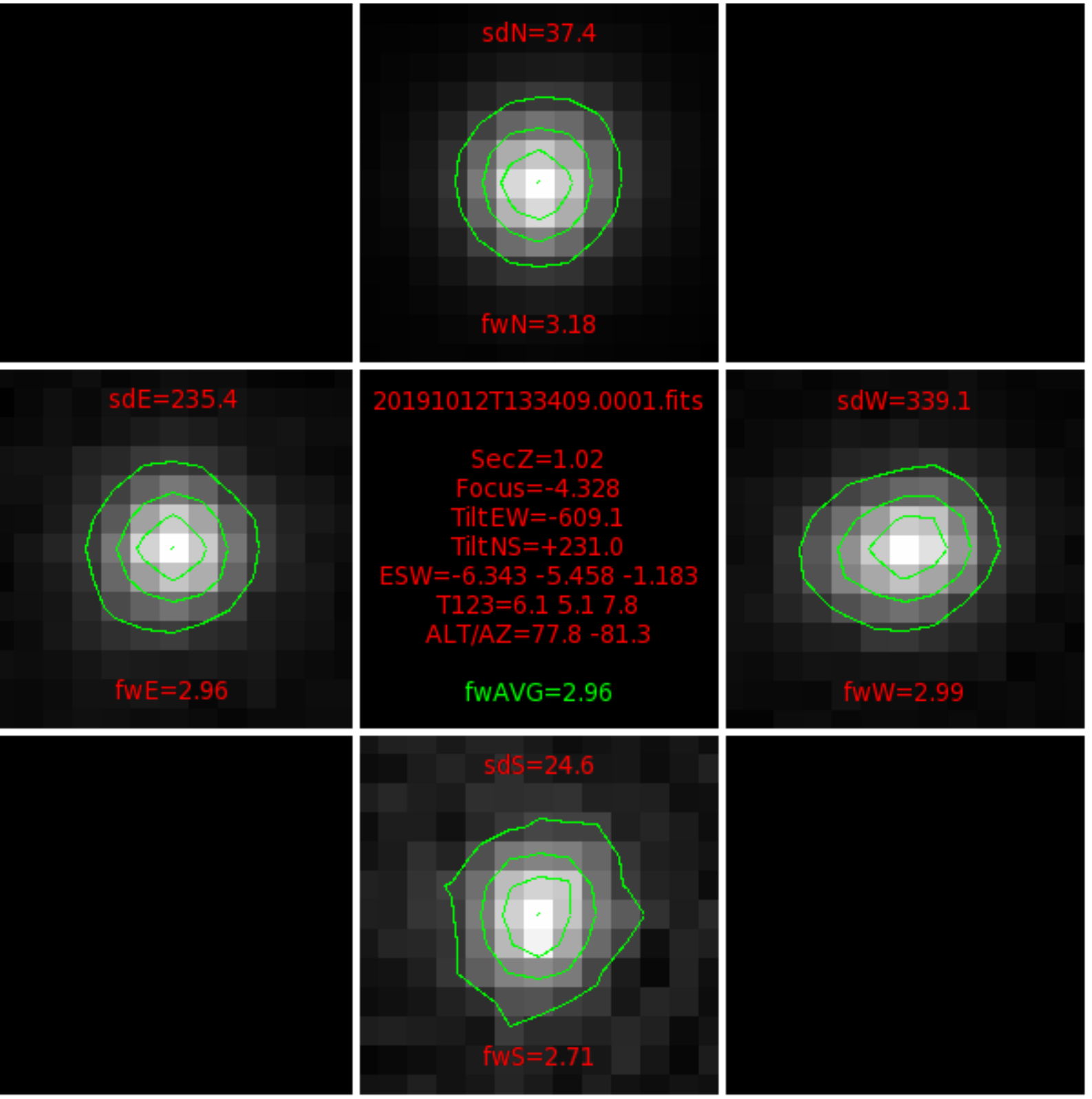
sdN=37.4
fwN=3.18
sdE=235.4
fwE=2.96
20191012T133409.0001.fits
SecZ=1.02
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.1 5.1 7.8
ALT/AZ=77.8 -81.3
fwAVG=2.96
sdW=339.1
fwW=2.99
sdS=24.6
fwS=2.71
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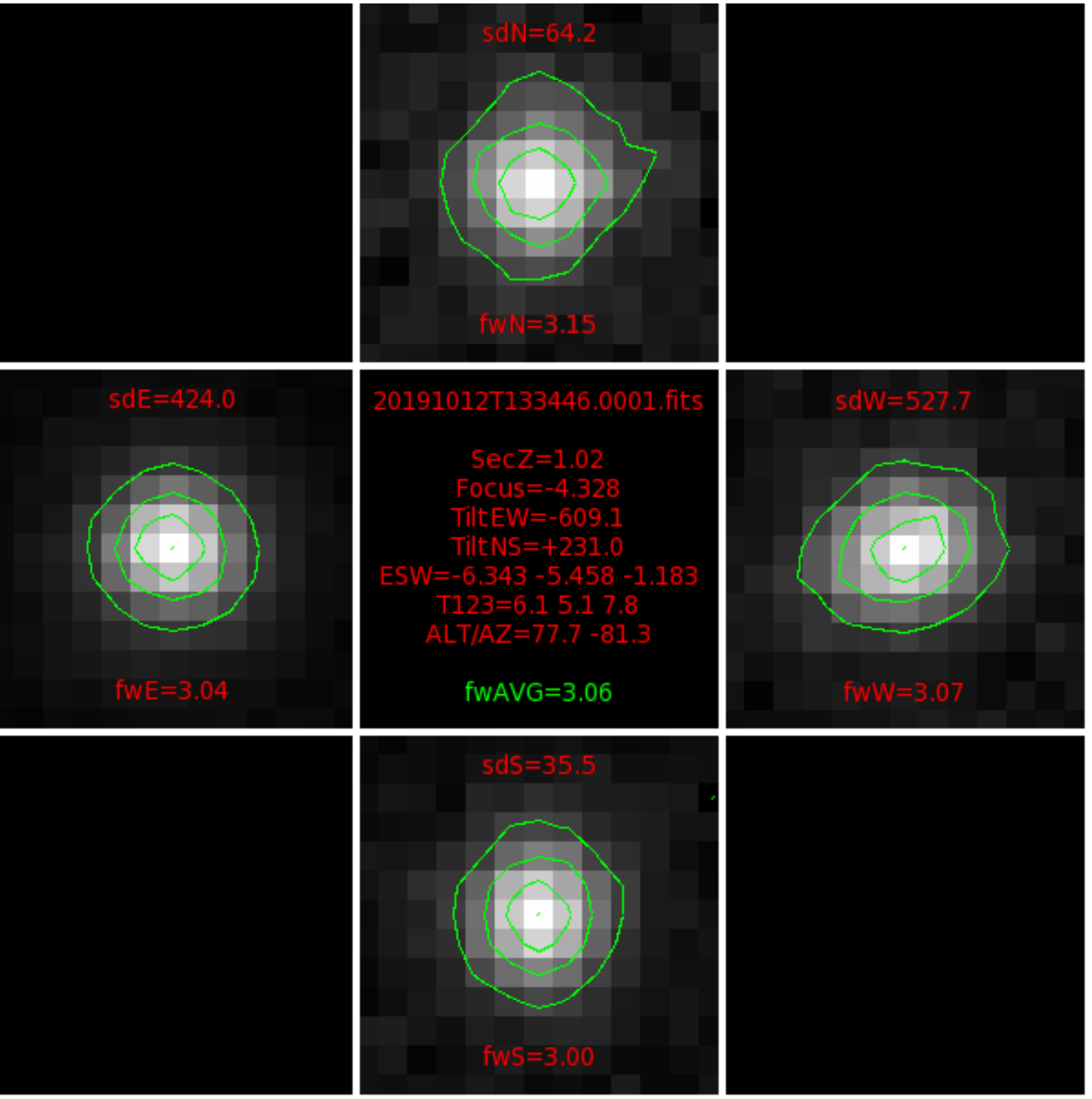
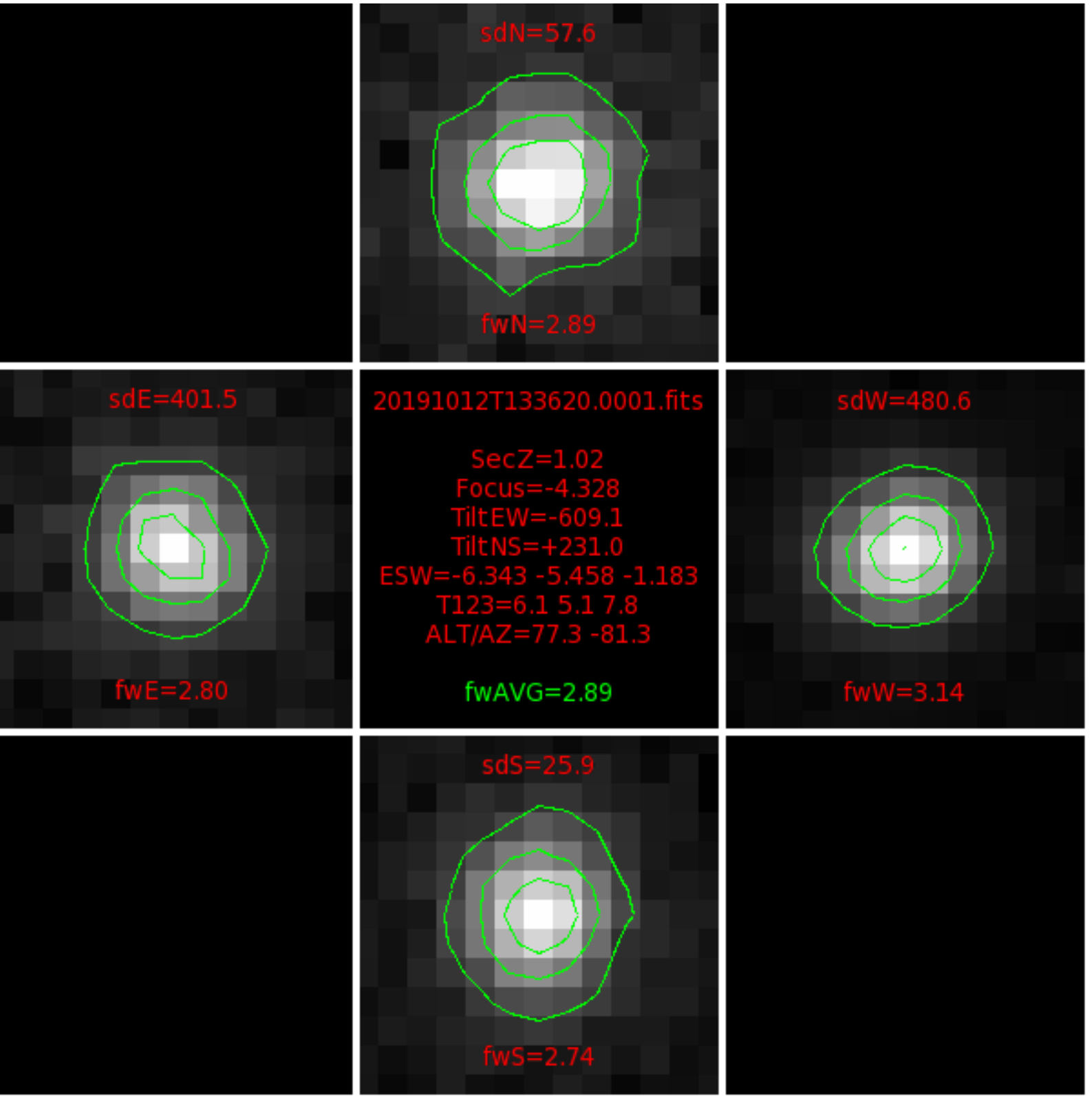

sdN=64.2
fwN=3.15
sdE=424.0
fwE=3.04
20191012T133446.0001.fits
SecZ=1.02
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.1 5.1 7.8
ALT/AZ=77.7 -81.3
fwAVG=3.06
sdW=527.7
fwW=3.07
sdS=35.5
fwS=3.00
0 0 0 0 0 0 0 0 0


sdN=57.6
fwN=2.89
sdE=401.5
fwE=2.80
20191012T133620.0001.fits
SecZ=1.02
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.1 5.1 7.8
ALT/AZ=77.3 -81.3
fwAVG=2.89
sdW=480.6
fwW=3.14
sdS=25.9
fwS=2.74
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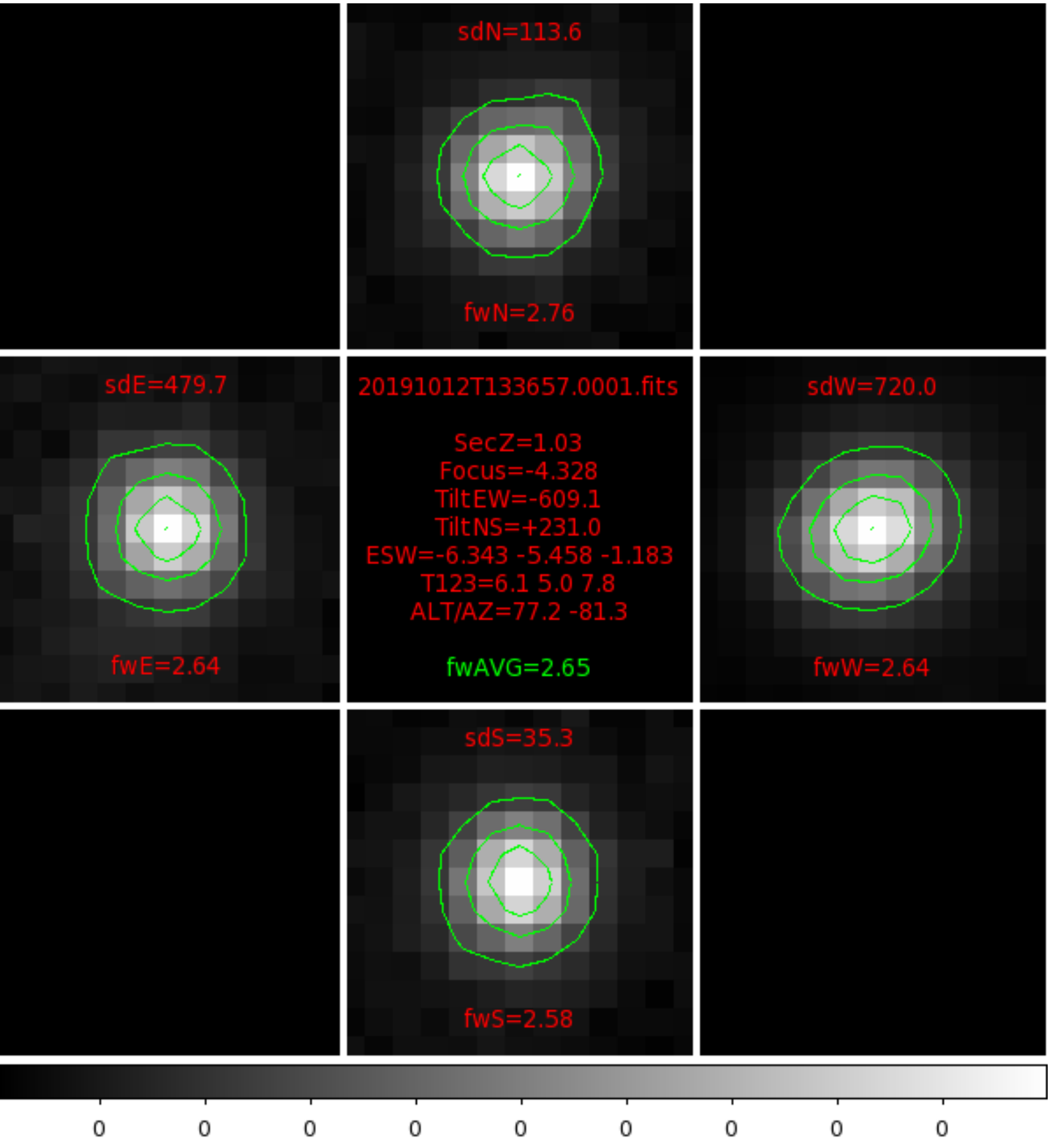
sdN=113.6
fwN=2.76
sdE=479.7
fwE=2.64
20191012T133657.0001.fits
SecZ=1.03
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.1 5.0 7.8
ALT/AZ=77.2 -81.3
fwAVG=2.65
sdW=720.0
fwW=2.64
sdS=35.3
fwS=2.58
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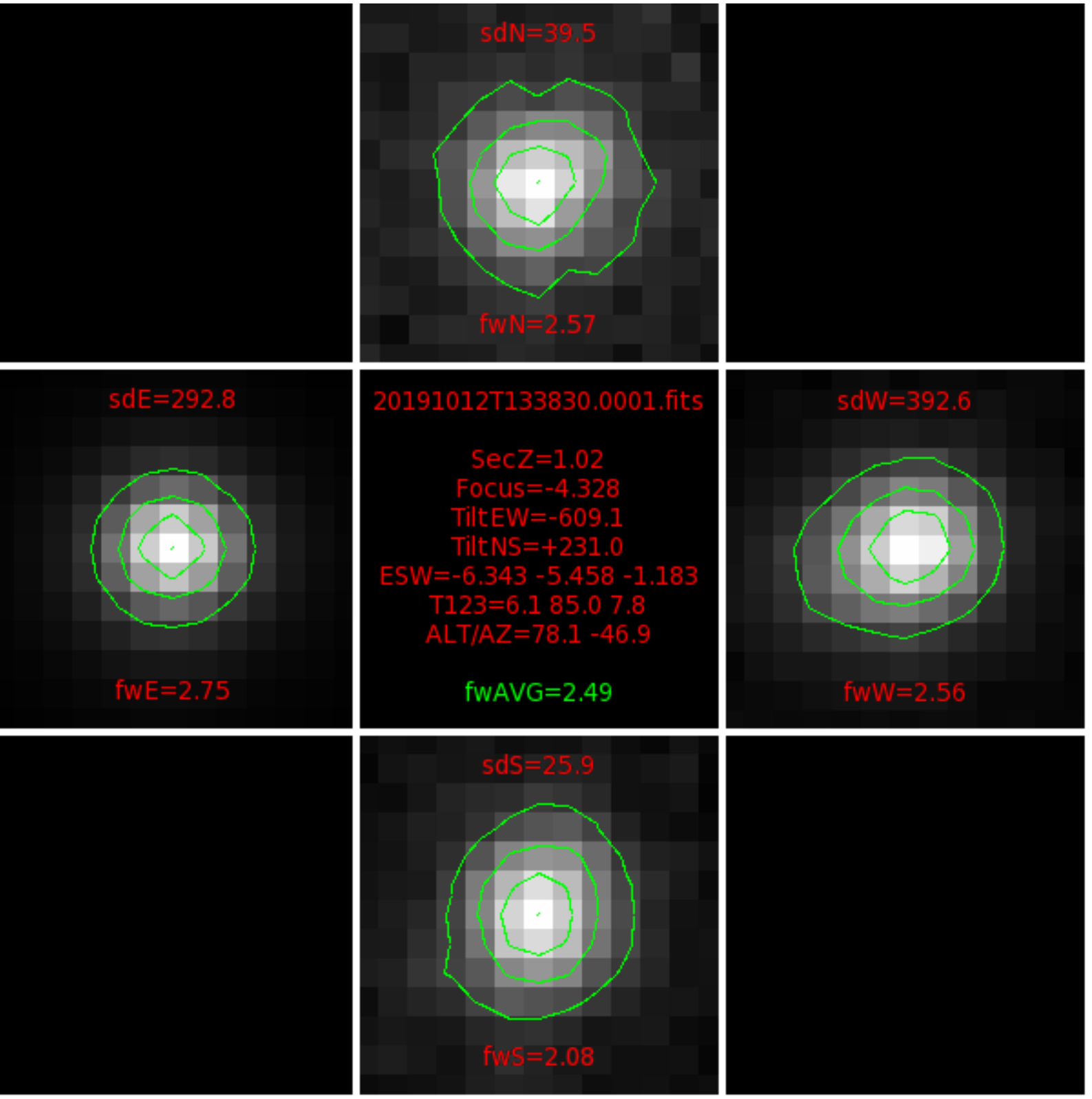
sdN=39.5
fwN=2.57
sdE=292.8
fwE=2.75
20191012T133830.0001.fits
SecZ=1.02
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.1 85.0 7.8
ALT/AZ=78.1 -46.9
fwAVG=2.49
sdW=392.6
fwW=2.56
sdS=25.9
fwS=2.08
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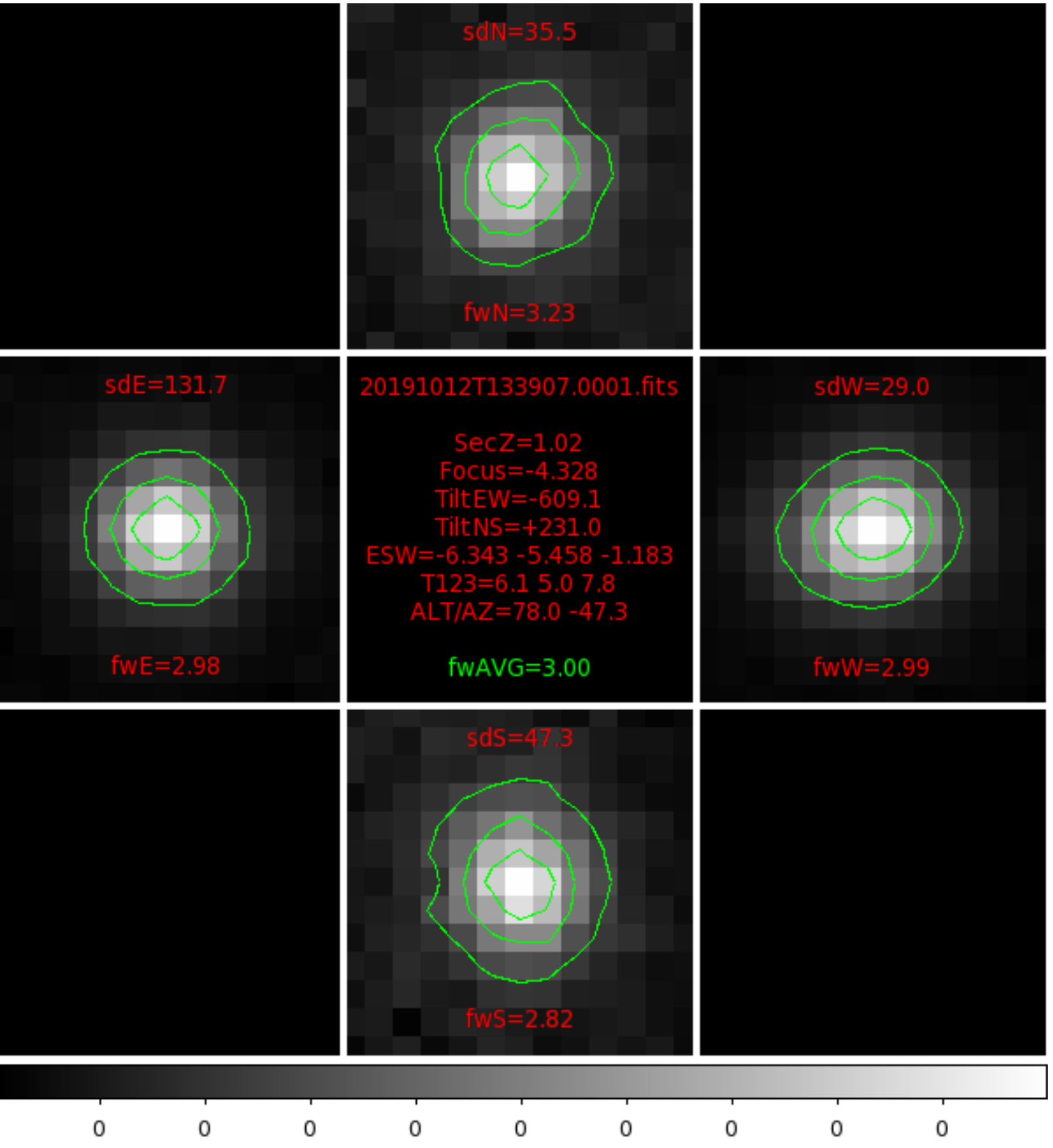
sdN=35.5
fwN=3.23
sdE=131.7
fwE=2.98
20191012T133907.0001.fits
SecZ=1.02
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.1 5.0 7.8
ALT/AZ=78.0 -47.3
fwAVG=3.00
sdW=29.0
fwW=2.99
sdS=47.3
fwS=2.82
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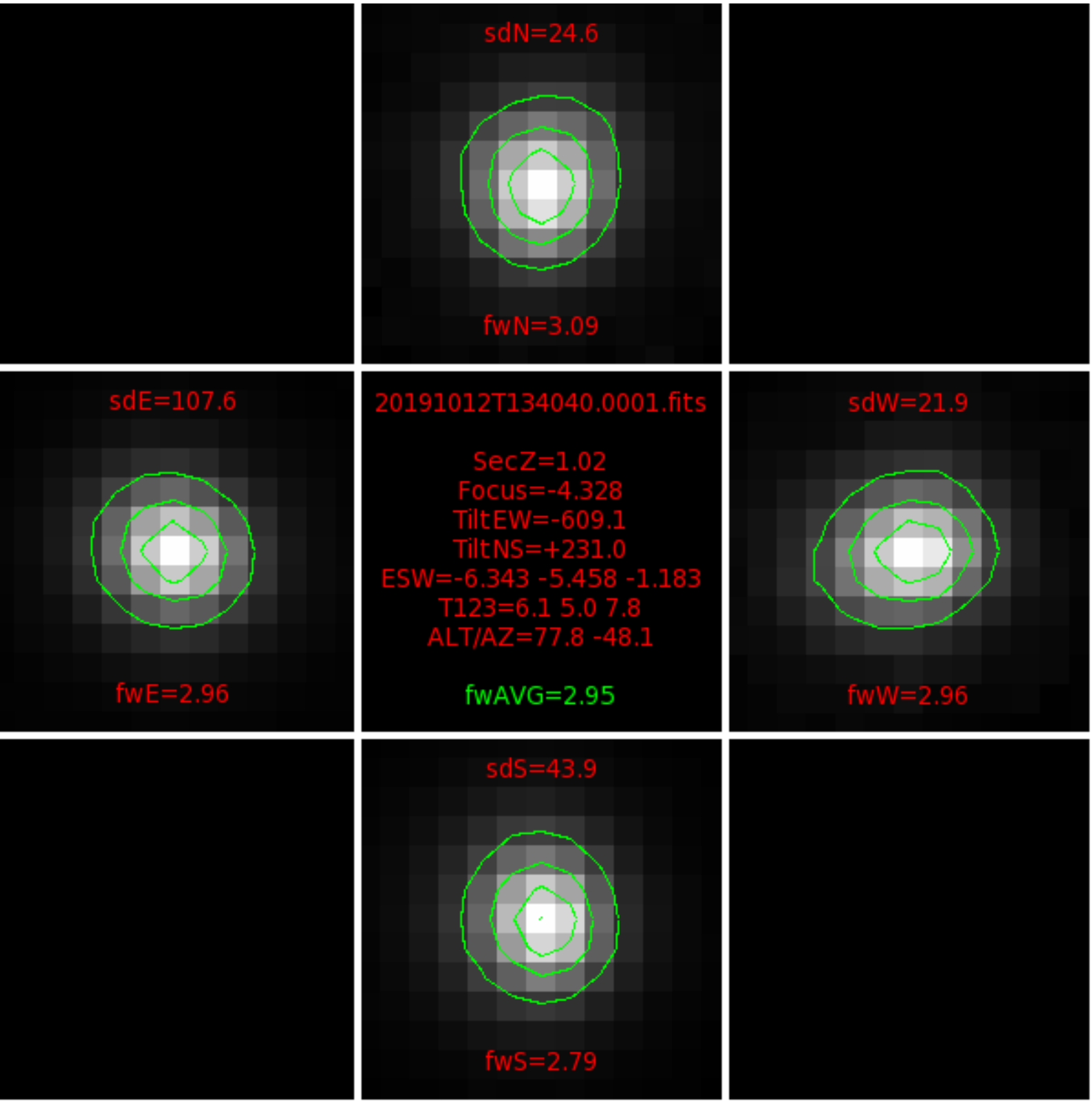
sdN=24.6
fwN=3.09
sdE=107.6
fwE=2.96
20191012T134040.0001.fits
SecZ=1.02
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.1 5.0 7.8
ALT/AZ=77.8 -48.1
fwAVG=2.95
sdW=21.9
fwW=2.96
sdS=43.9
fwS=2.79
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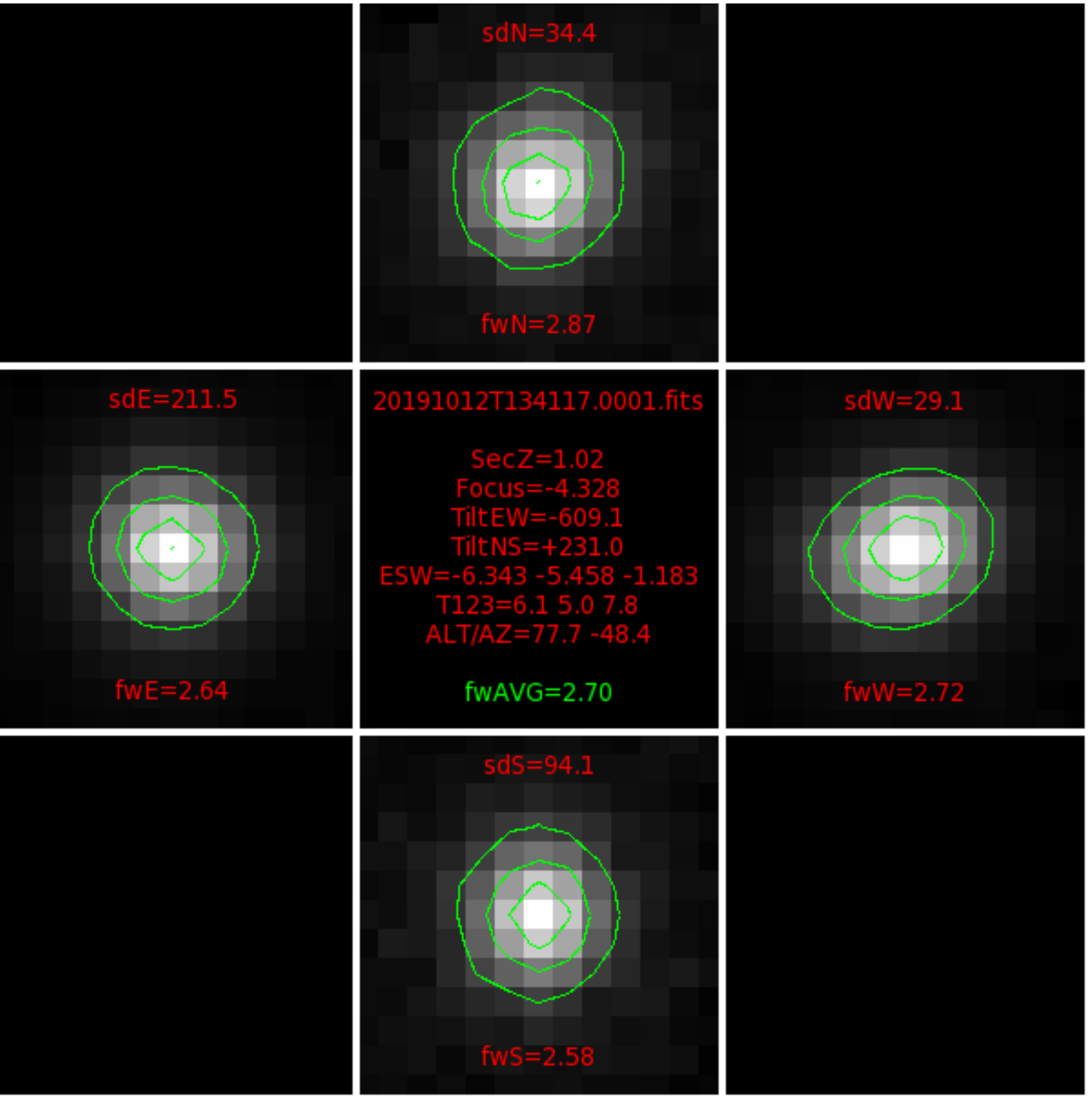
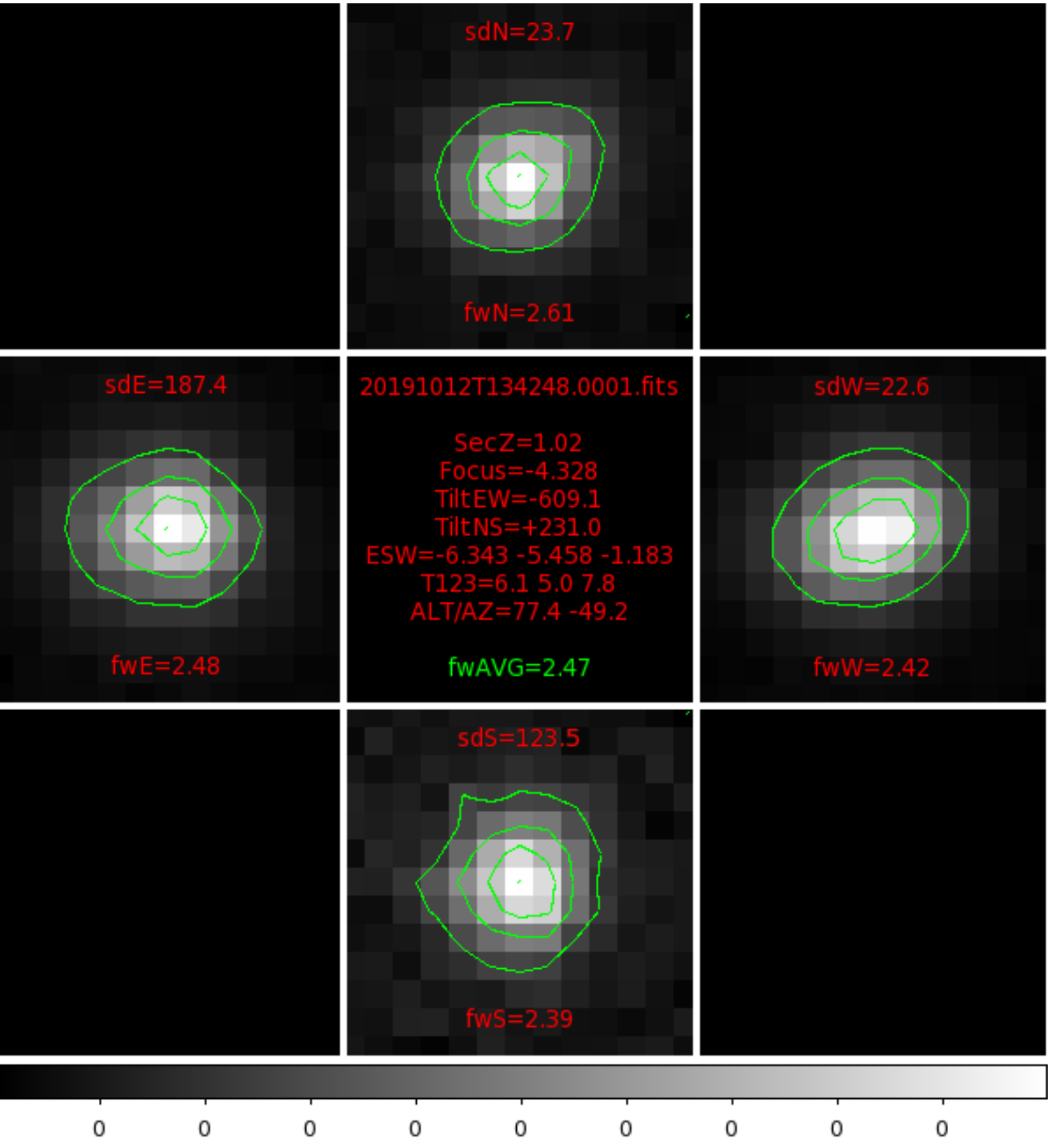
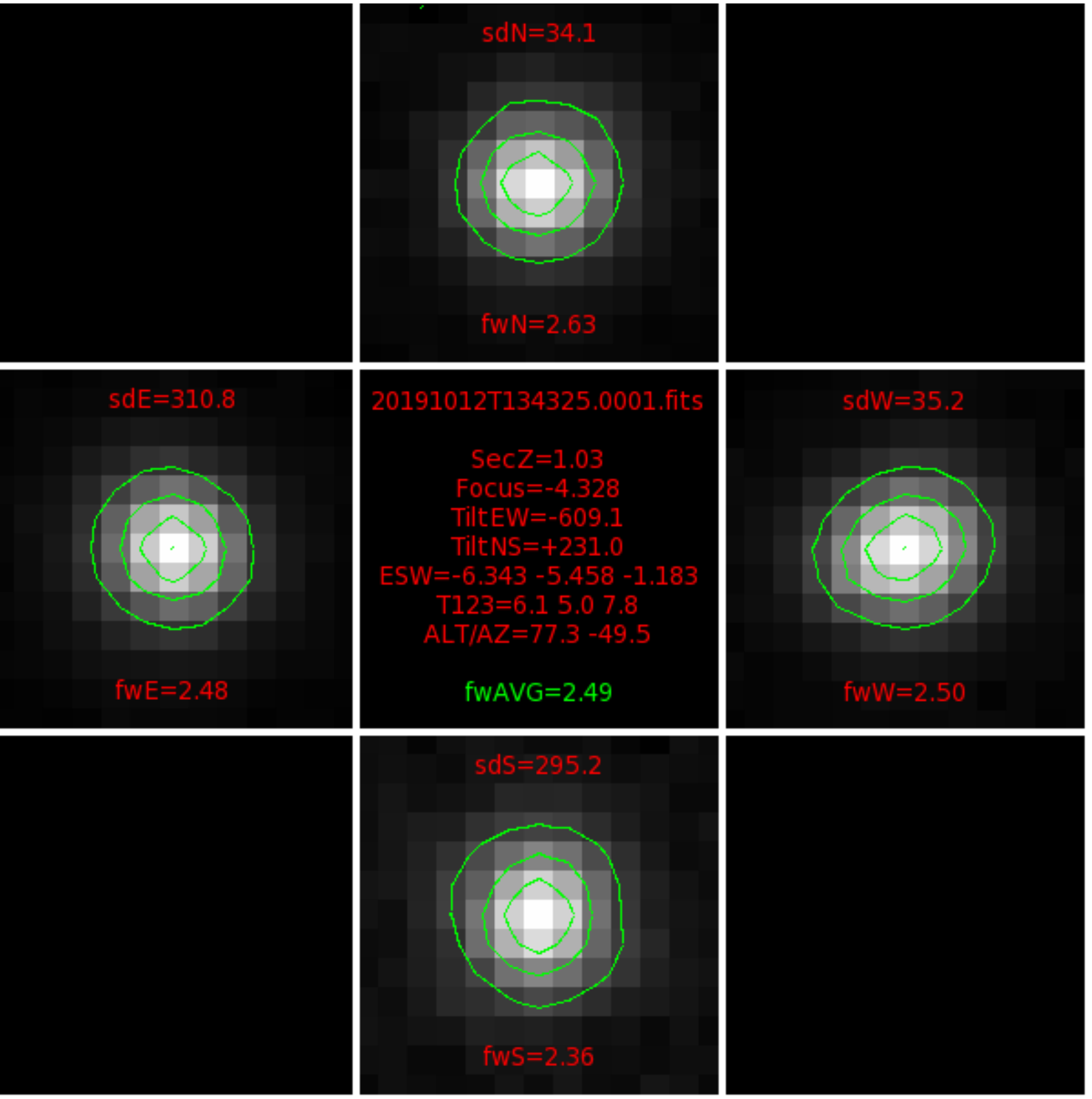
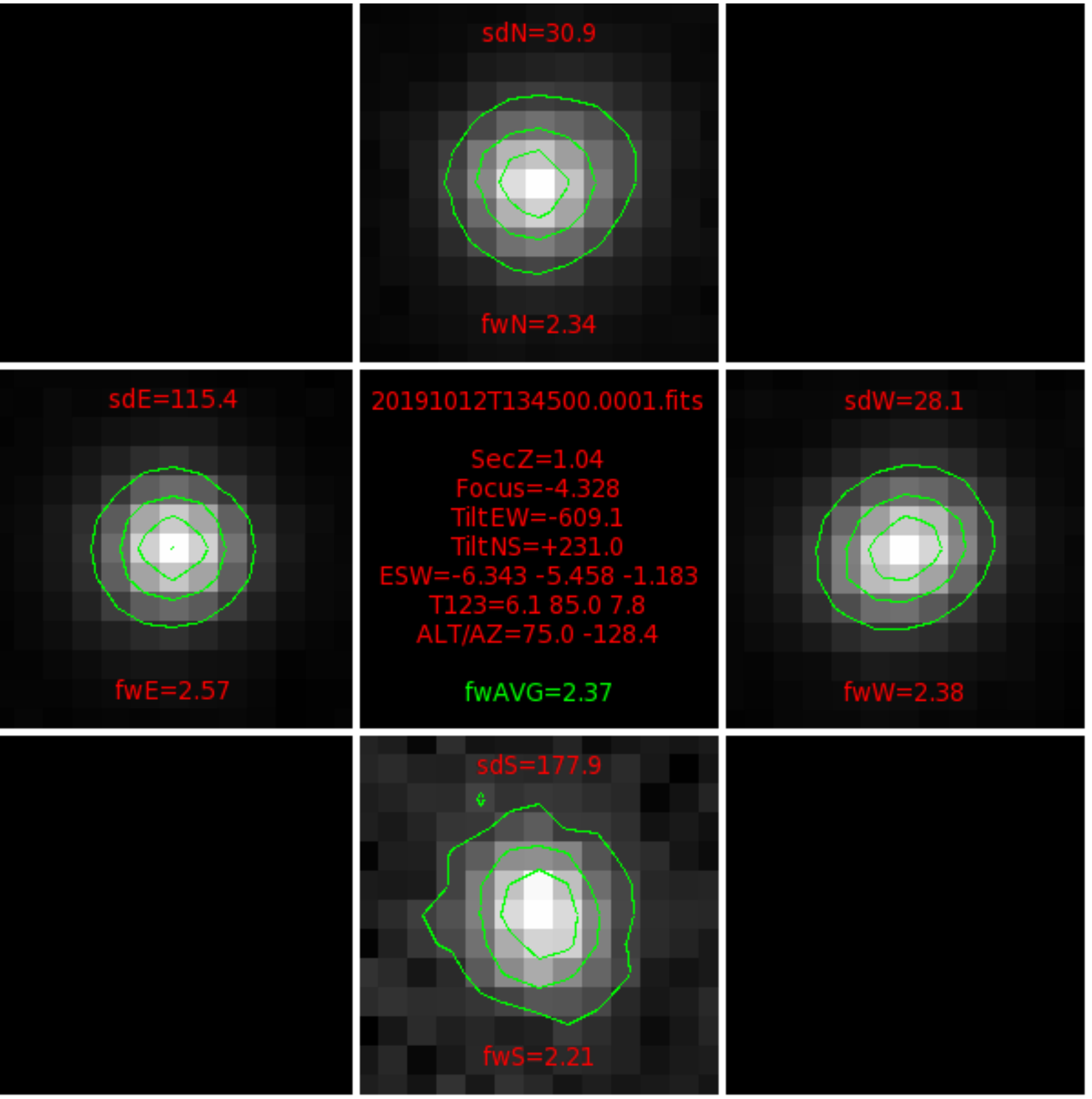
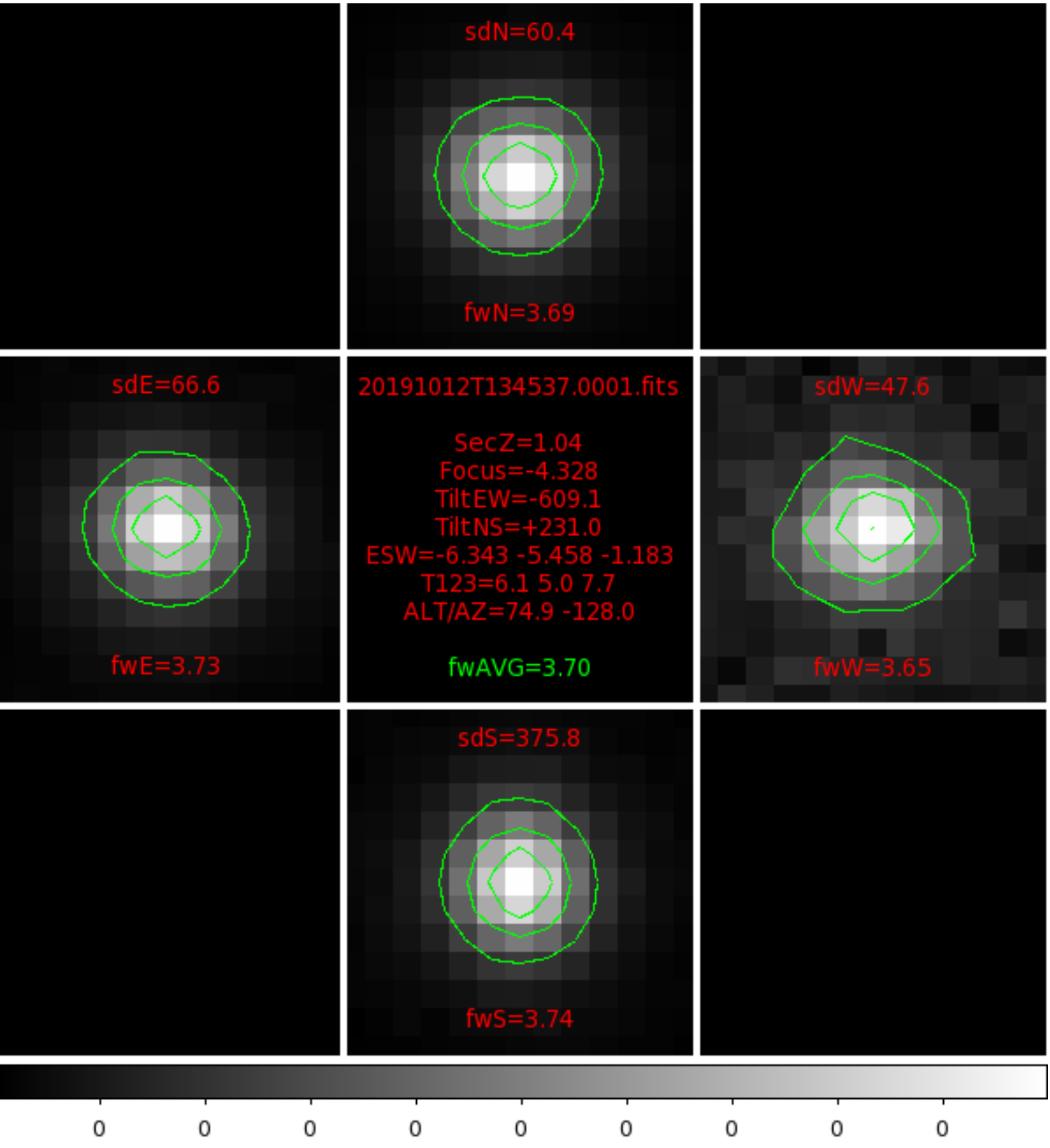

sdN=34.4
fwN=2.87
sdE=211.5
fwE=2.64
20191012T134117.0001.fits
SecZ=1.02
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.1 5.0 7.8
ALT/AZ=77.7 -48.4
fwAVG=2.70
sdW=29.1
fwW=2.72
sdS=94.1
fwS=2.58
0 0 0 0 0 0 0 0 0


sdN=23.7
fwN=2.61
sdE=187.4
fwE=2.48
20191012T134248.0001.fits
SecZ=1.02
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.1 5.0 7.8
ALT/AZ=77.4 -49.2
fwAVG=2.47
sdW=22.6
fwW=2.42
sdS=123.5
fwS=2.39
0 0 0 0 0 0 0 0 0


sdN=34.1
fwN=2.63
sdE=310.8
fwE=2.48
20191012T134325.0001.fits
SecZ=1.03
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.1 5.0 7.8
ALT/AZ=77.3 -49.5
fwAVG=2.49
sdW=35.2
fwW=2.50
sdS=295.2
fwS=2.36
0 0 0 0 0 0 0 0 0


sdN=30.9
fwN=2.34
sdE=115.4
fwE=2.57
20191012T134500.0001.fits
SecZ=1.04
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.1 85.0 7.8
ALT/AZ=75.0 -128.4
fwAVG=2.37
sdW=28.1
fwW=2.38
sdS=177.9
fwS=2.21
0 0 0 0 0 0 0 0 0


sdN=60.4
fwN=3.69
sdE=66.6
fwE=3.73
20191012T134537.0001.fits
SecZ=1.04
Focus=-4.328
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.343 -5.458 -1.183
T123=6.1 5.0 7.7
ALT/AZ=74.9 -128.0
fwAVG=3.70
sdW=47.6
fwW=3.65
sdS=375.8
fwS=3.74
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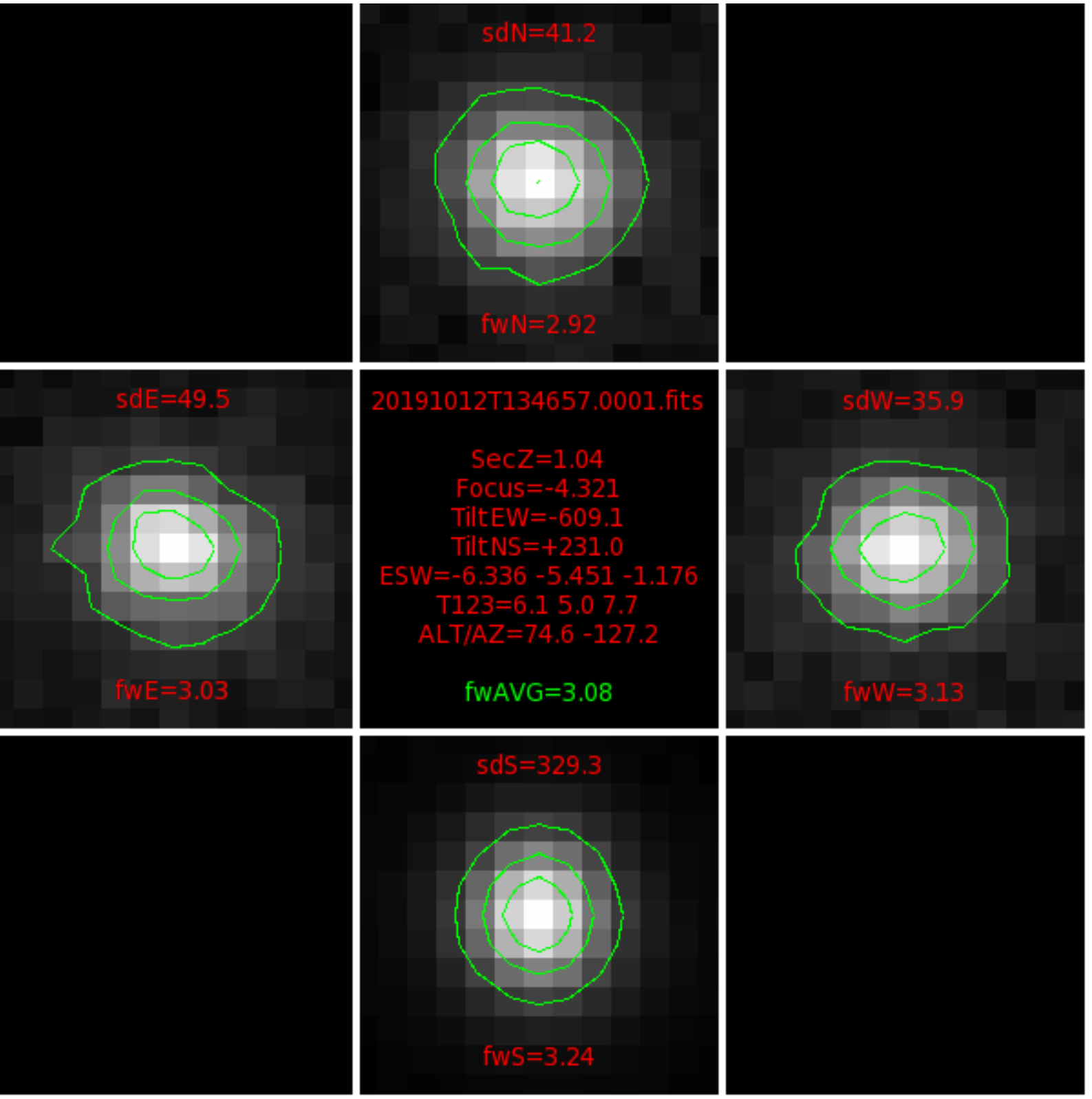
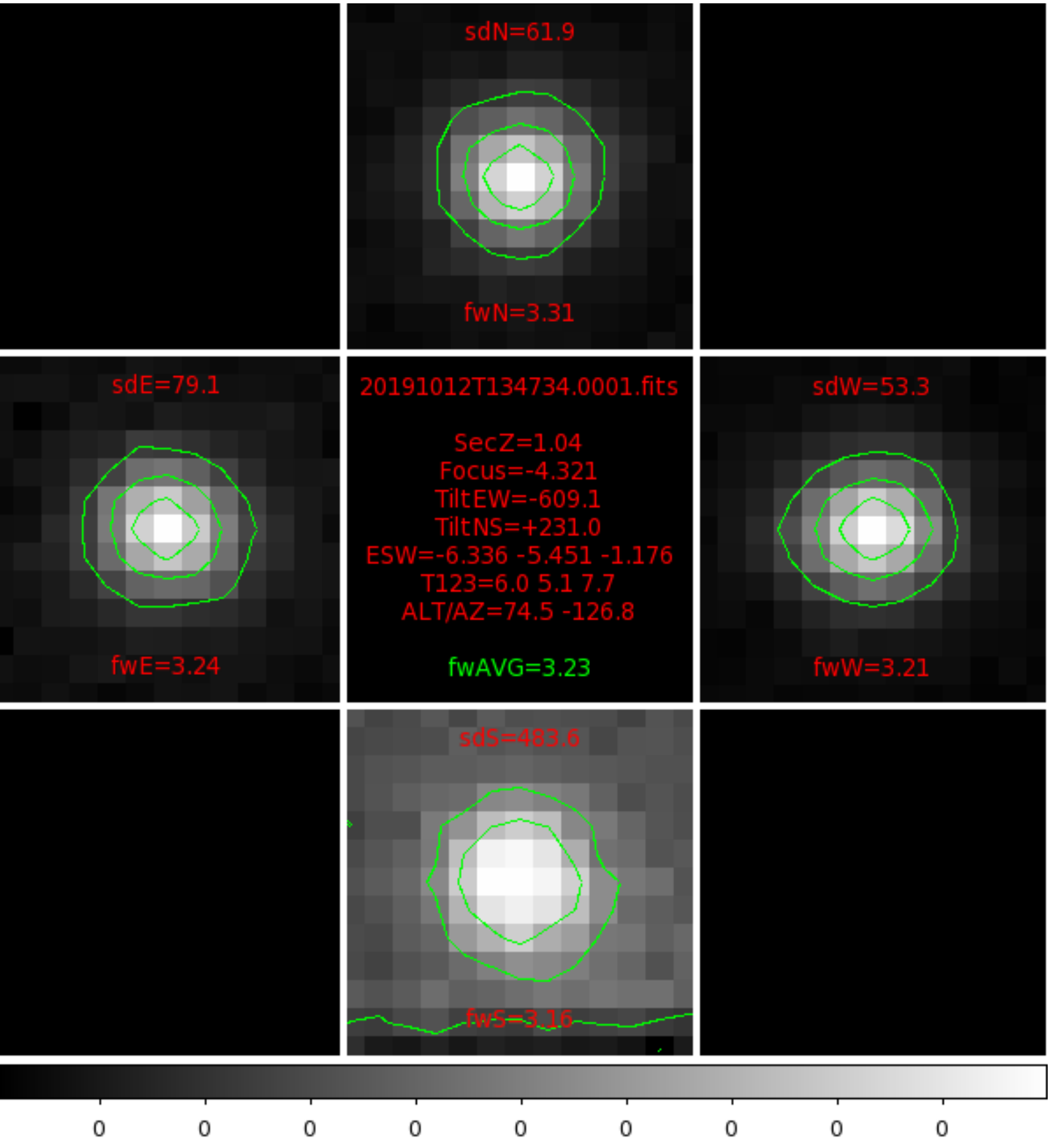
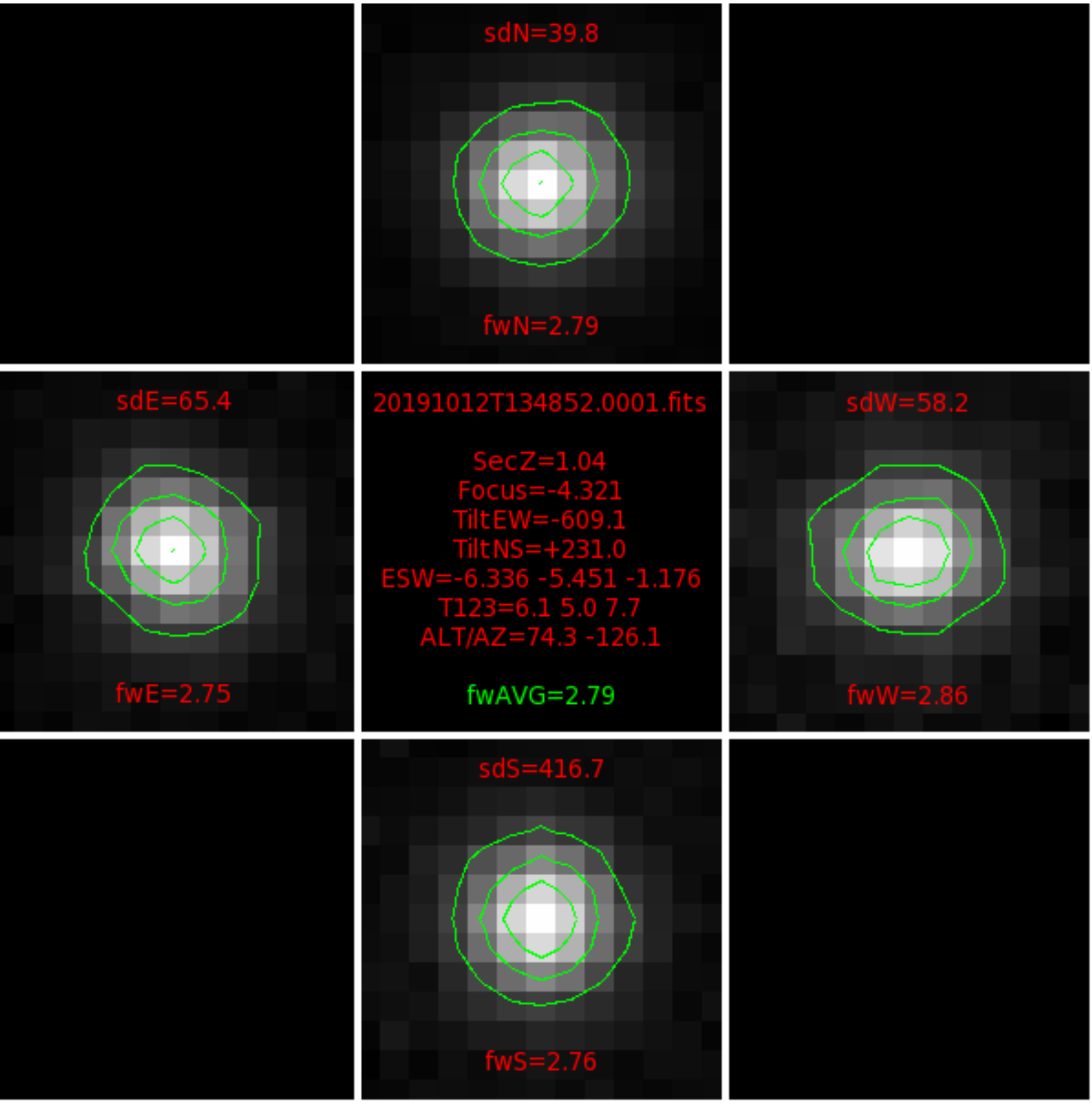

sdN=41.2
fwN=2.92
sdE=49.5
fwE=3.03
20191012T134657.0001.fits
SecZ=1.04
Focus=-4.321
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.336 -5.451 -1.176
T123=6.1 5.0 7.7
ALT/AZ=74.6 -127.2
fwAVG=3.08
sdW=35.9
fwW=3.13
sdS=329.3
fwS=3.24
0 0 0 0 0 0 0 0 0


sdN=61.9
fwN=3.31
sdE=79.1
fwE=3.24
20191012T134734.0001.fits
SecZ=1.04
Focus=-4.321
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.336 -5.451 -1.176
T123=6.0 5.1 7.7
ALT/AZ=74.5 -126.8
fwAVG=3.23
sdW=53.3
fwW=3.21
sdS=483.6
fwS=3.16
0 0 0 0 0 0 0 0 0


sdN=39.8
fwN=2.79
sdE=65.4
fwE=2.75
20191012T134852.0001.fits
SecZ=1.04
Focus=-4.321
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.336 -5.451 -1.176
T123=6.1 5.0 7.7
ALT/AZ=74.3 -126.1
fwAVG=2.79
sdW=58.2
fwW=2.86
sdS=416.7
fwS=2.76
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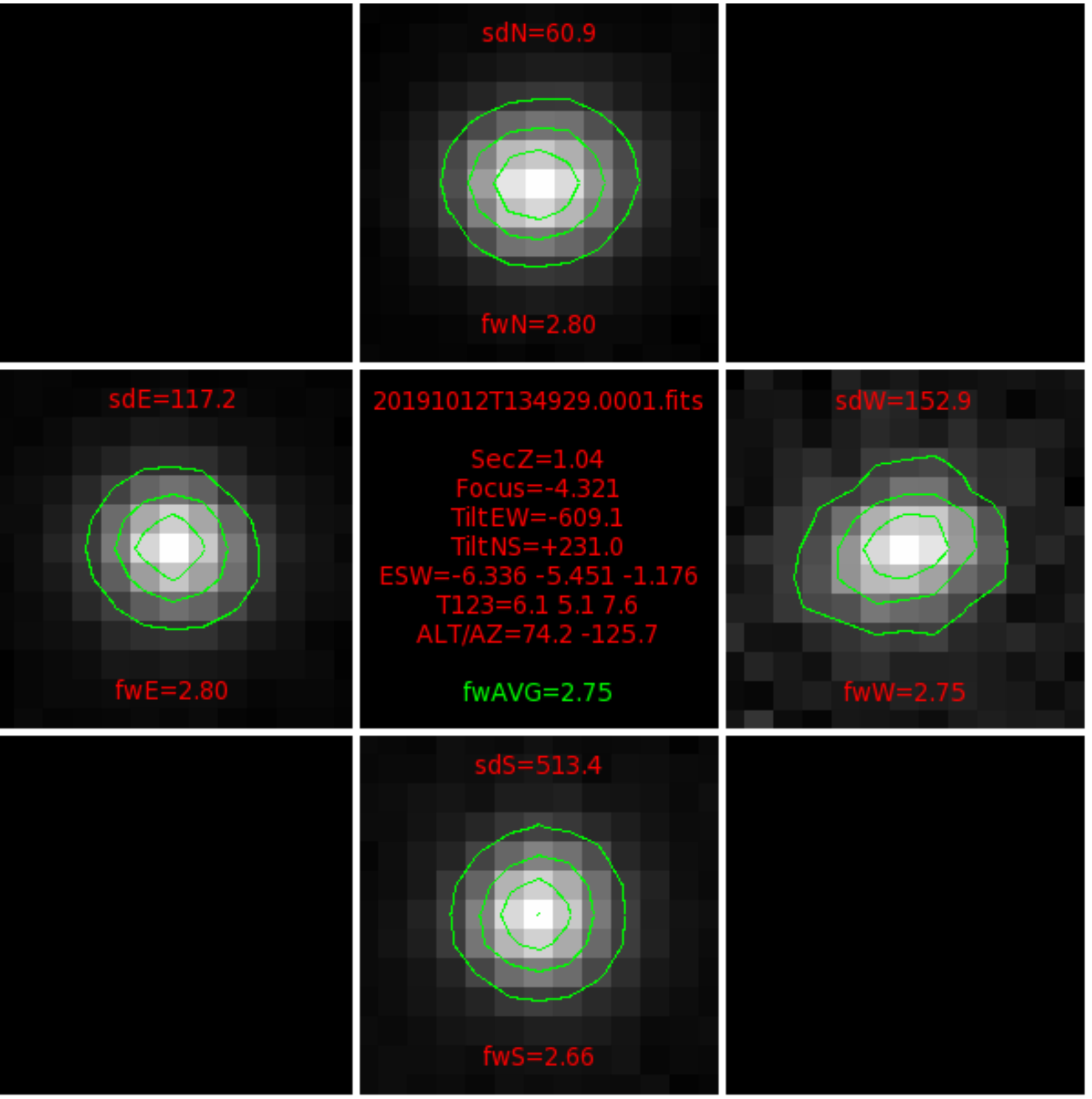
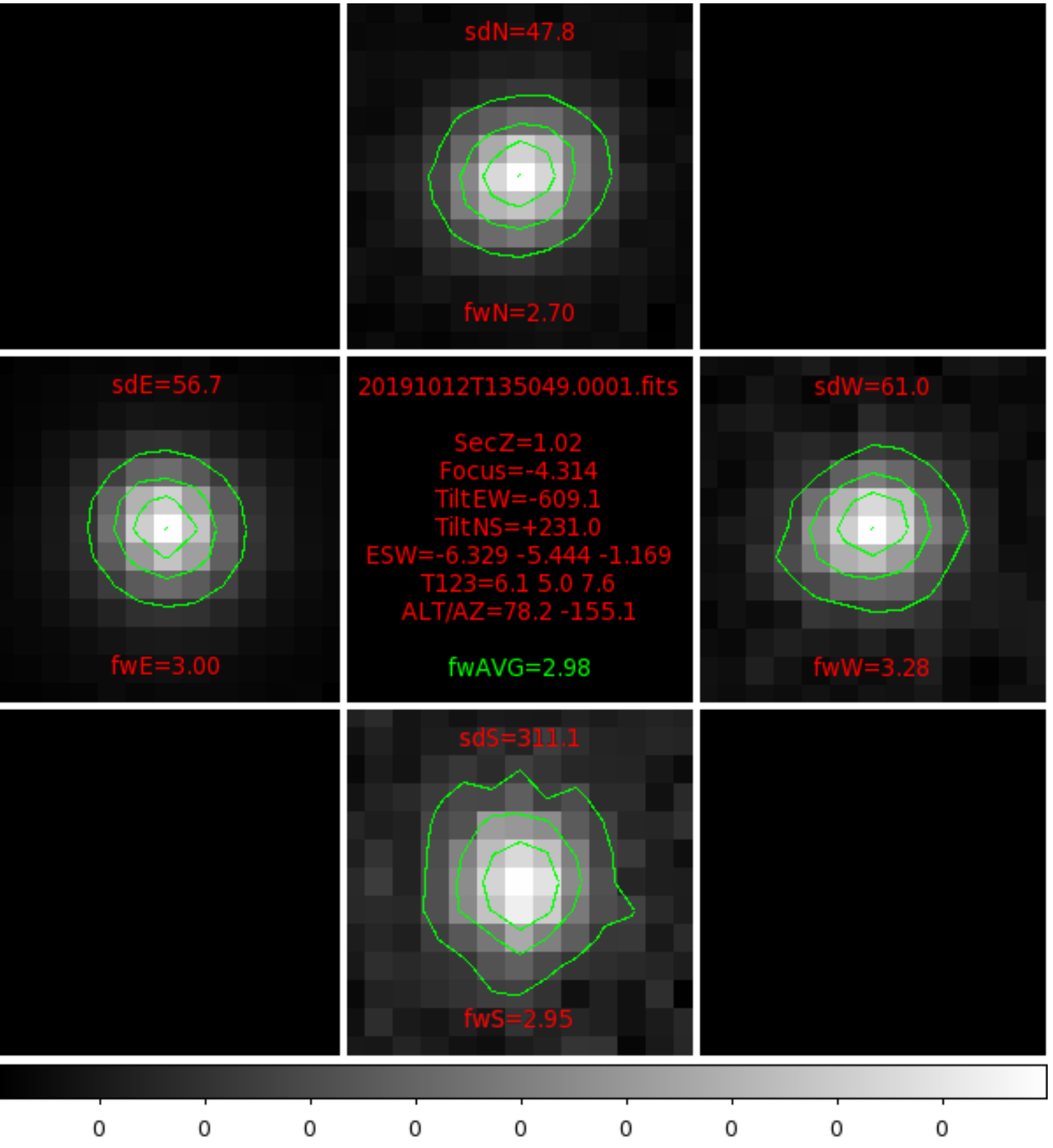

sdN=60.9
fwN=2.80
sdE=117.2
fwE=2.80
20191012T134929.0001.fits
SecZ=1.04
Focus=-4.321
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.336 -5.451 -1.176
T123=6.1 5.1 7.6
ALT/AZ=74.2 -125.7
fwAVG=2.75
sdW=152.9
fwW=2.75
sdS=513.4
fwS=2.66
0 0 0 0 0 0 0 0 0


sdN=47.8
fwN=2.70
sdE=56.7
fwE=3.00
20191012T135049.0001.fits
SecZ=1.02
Focus=-4.314
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.329 -5.444 -1.169
T123=6.1 5.0 7.6
ALT/AZ=78.2 -155.1
fwAVG=2.98
sdW=61.0
fwW=3.28
sdS=311.1
fwS=2.95
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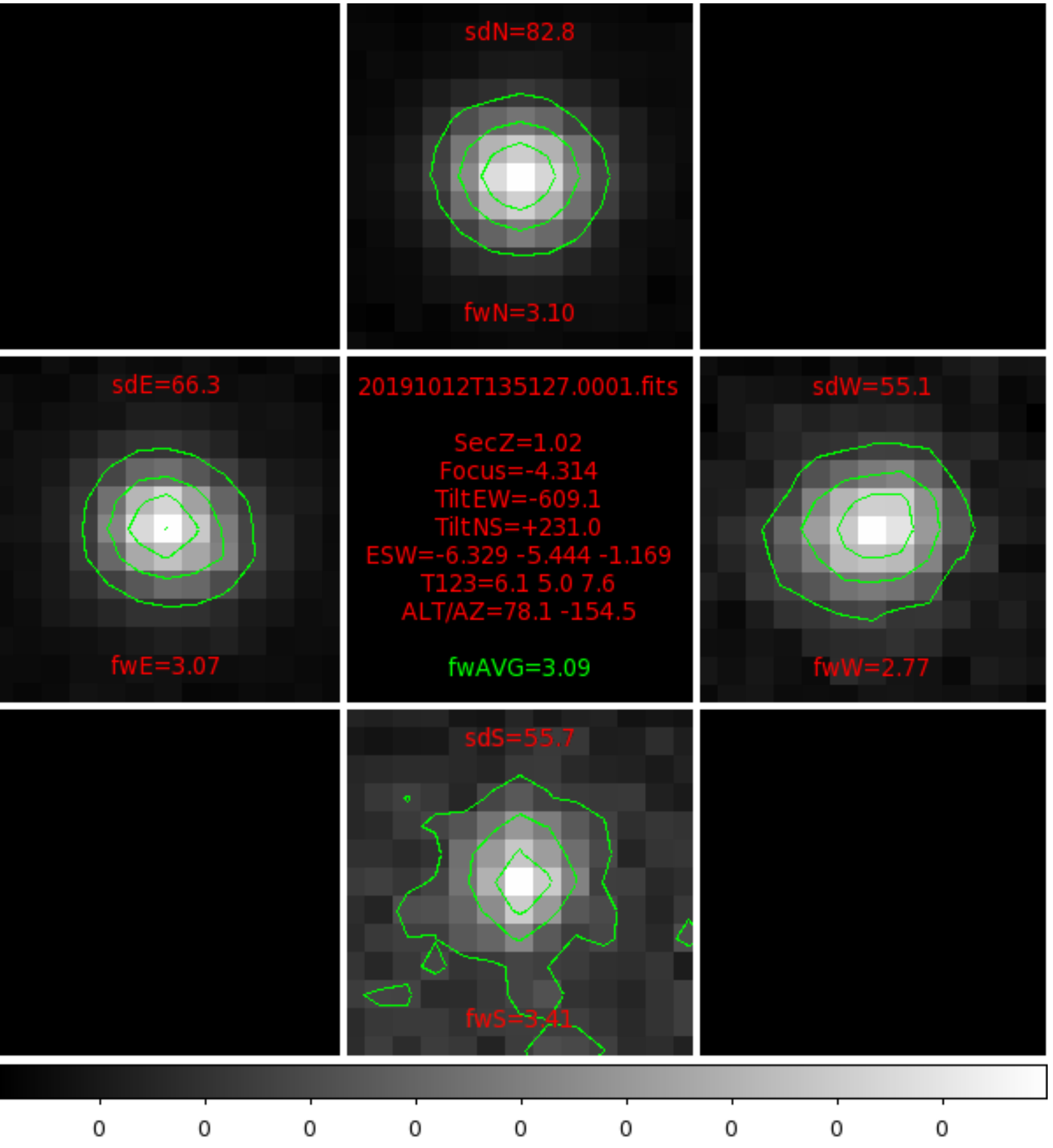
sdN=82.8
fwN=3.10
sdE=66.3
fwE=3.07
20191012T135127.0001.fits
SecZ=1.02
Focus=-4.314
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.329 -5.444 -1.169
T123=6.1 5.0 7.6
ALT/AZ=78.1 -154.5
fwAVG=3.09
sdW=55.1
fwW=2.77
sdS=55.7
fwS=3.41
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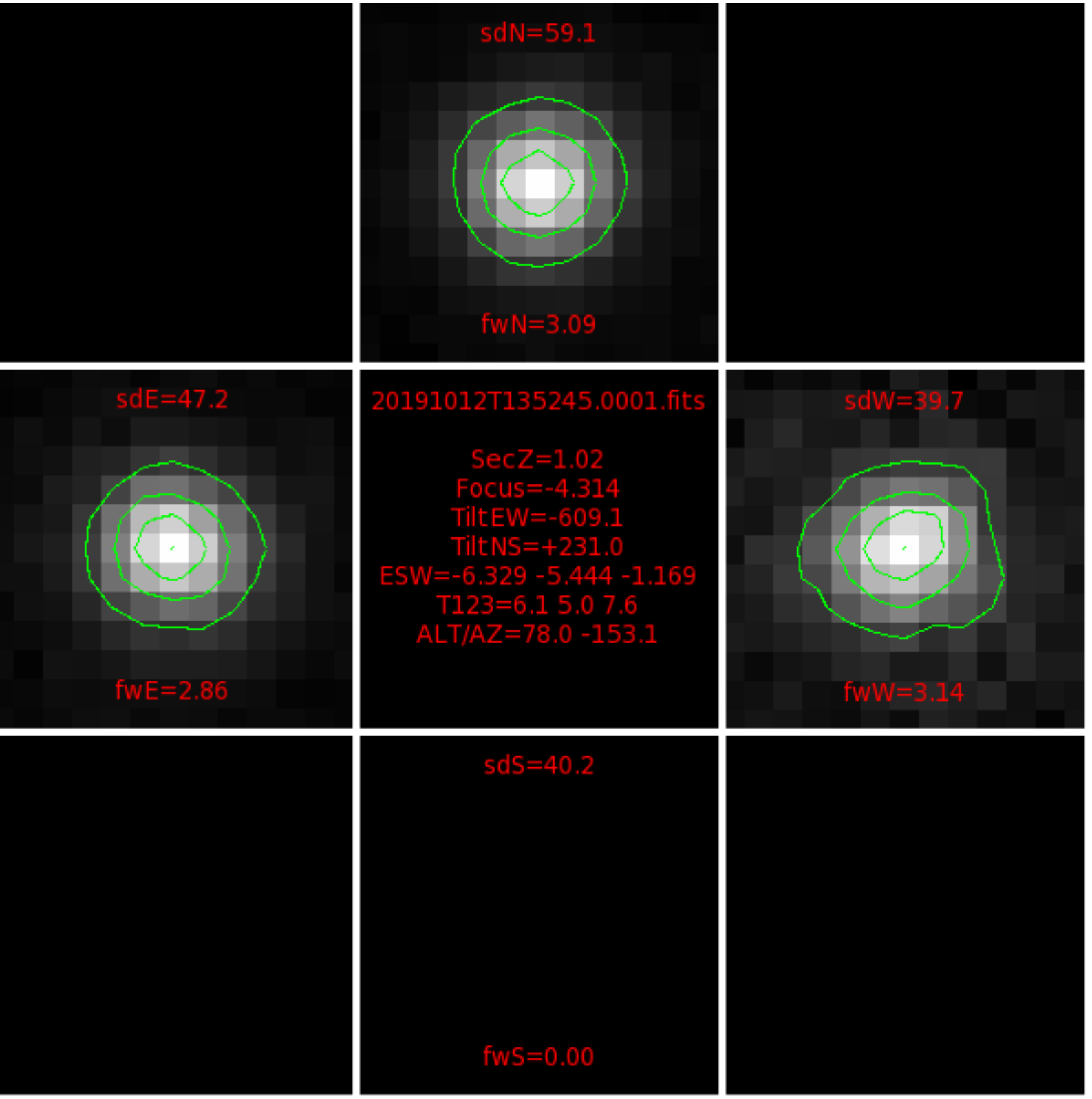
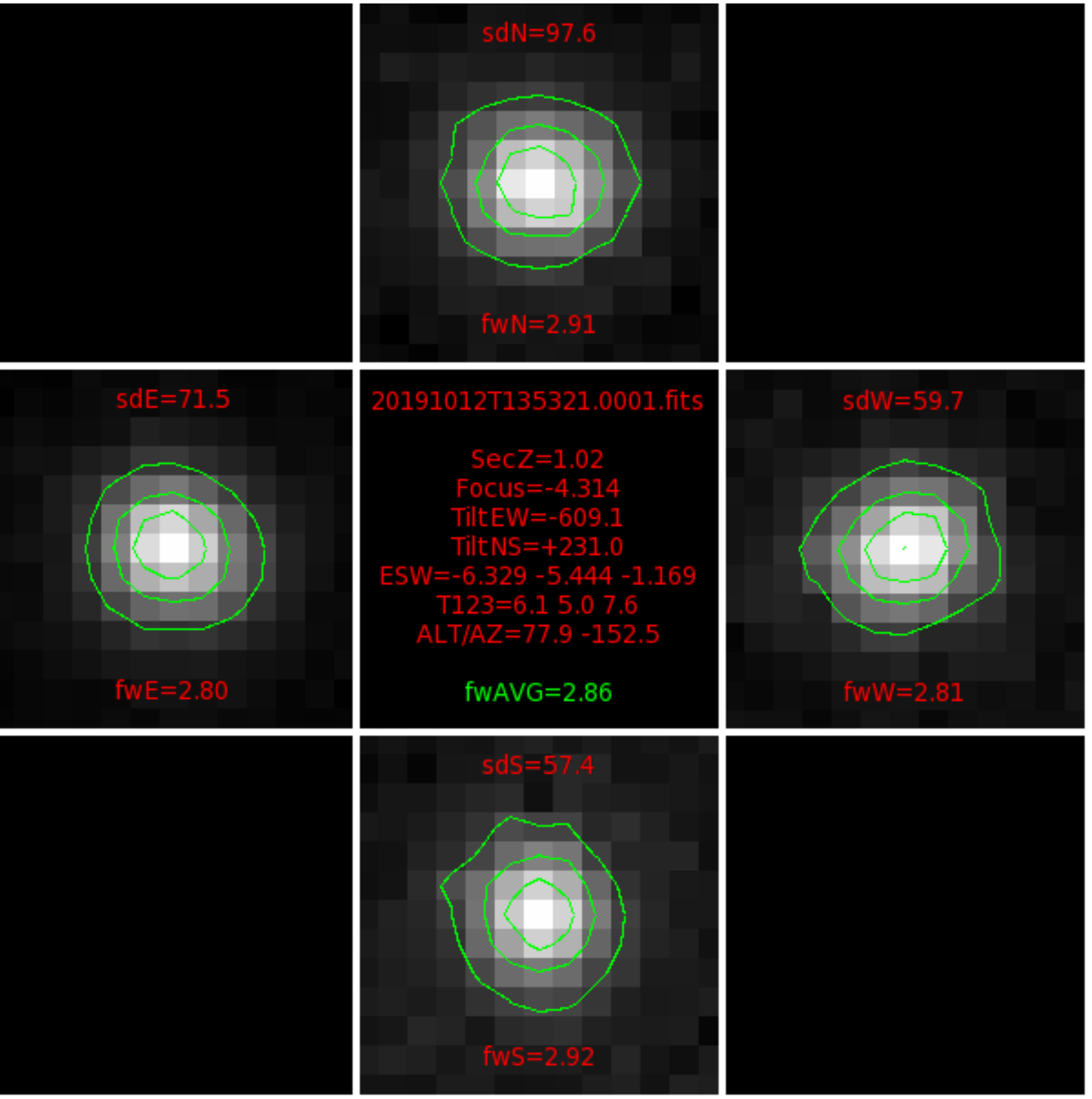
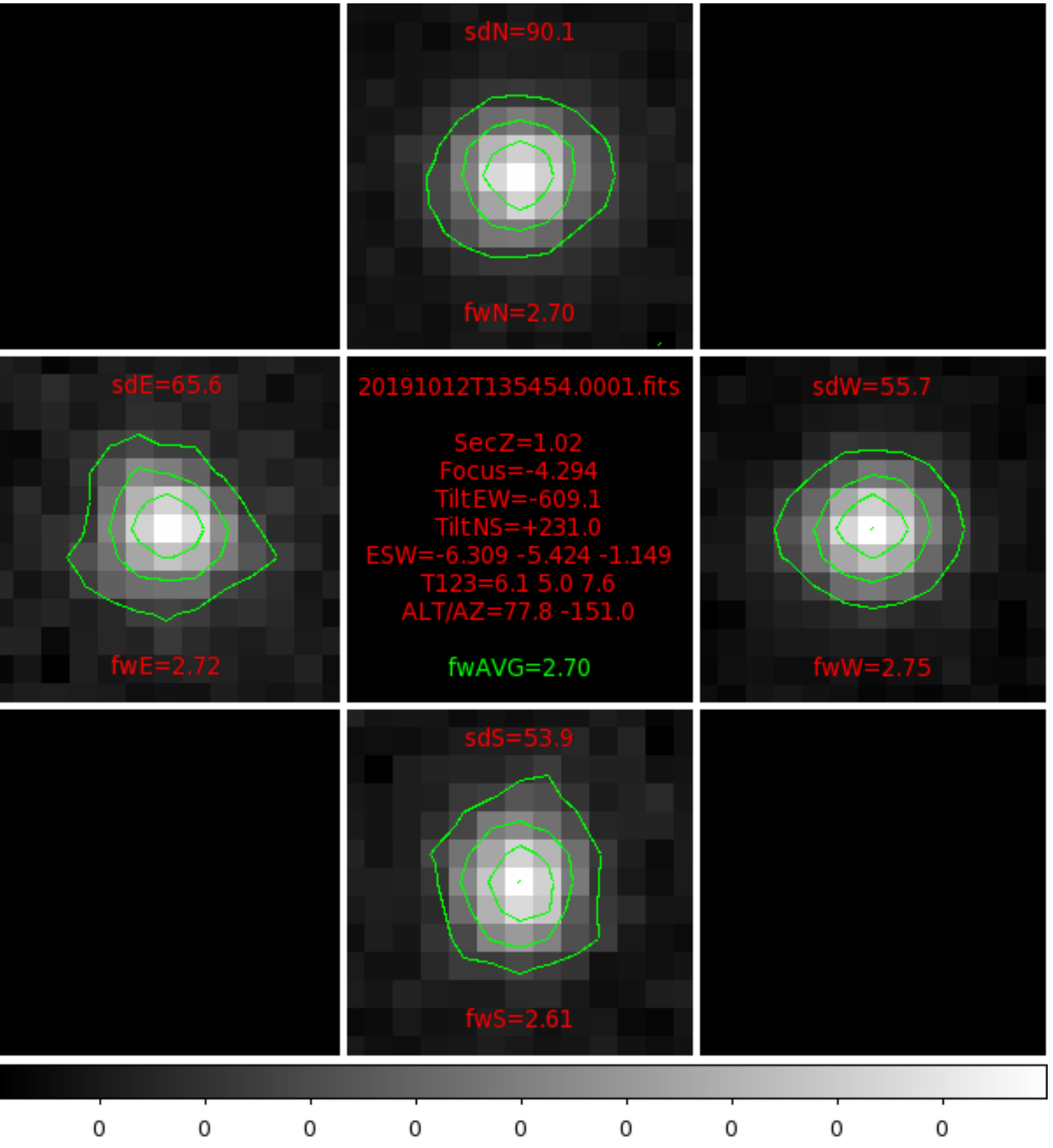
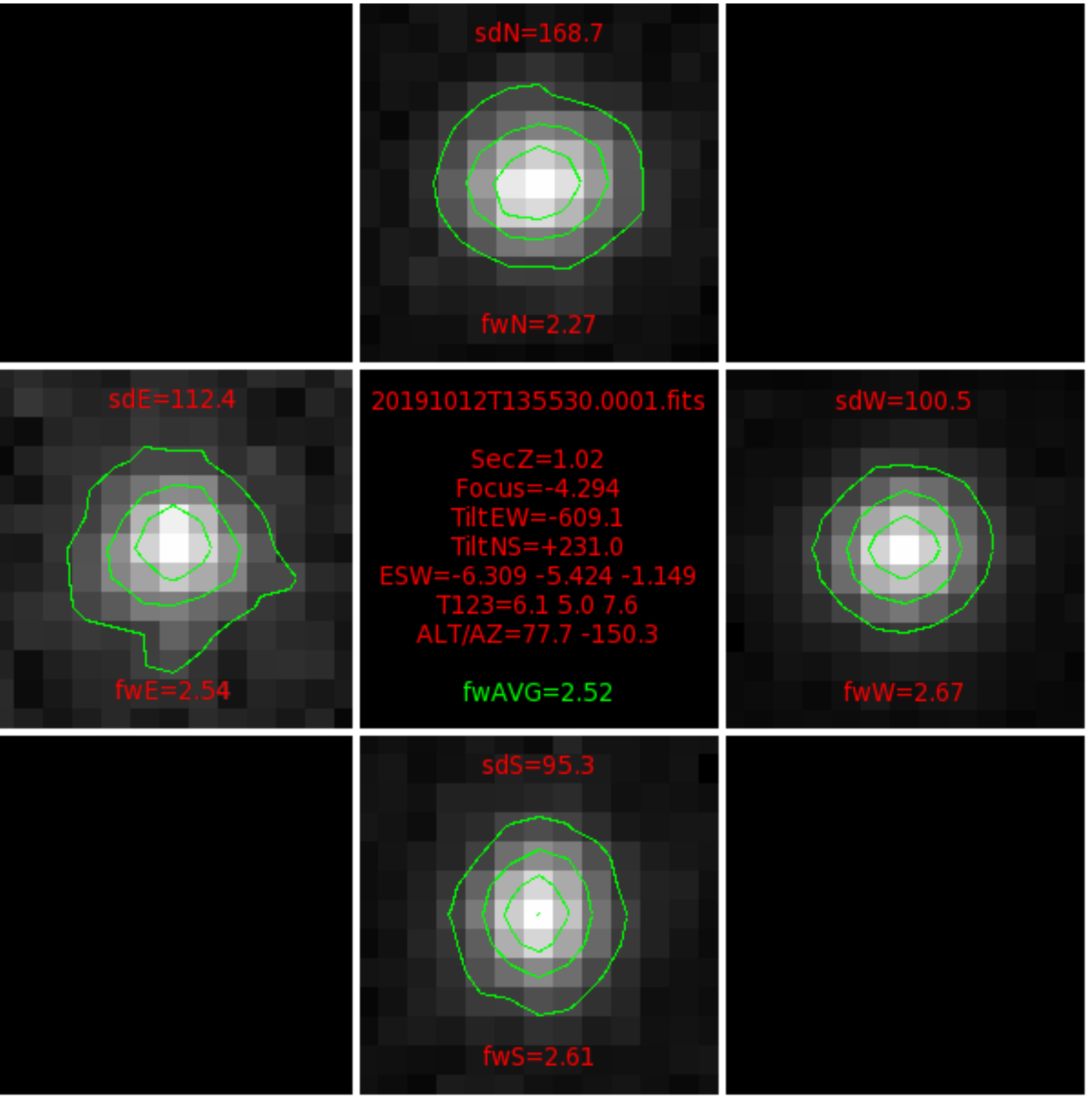
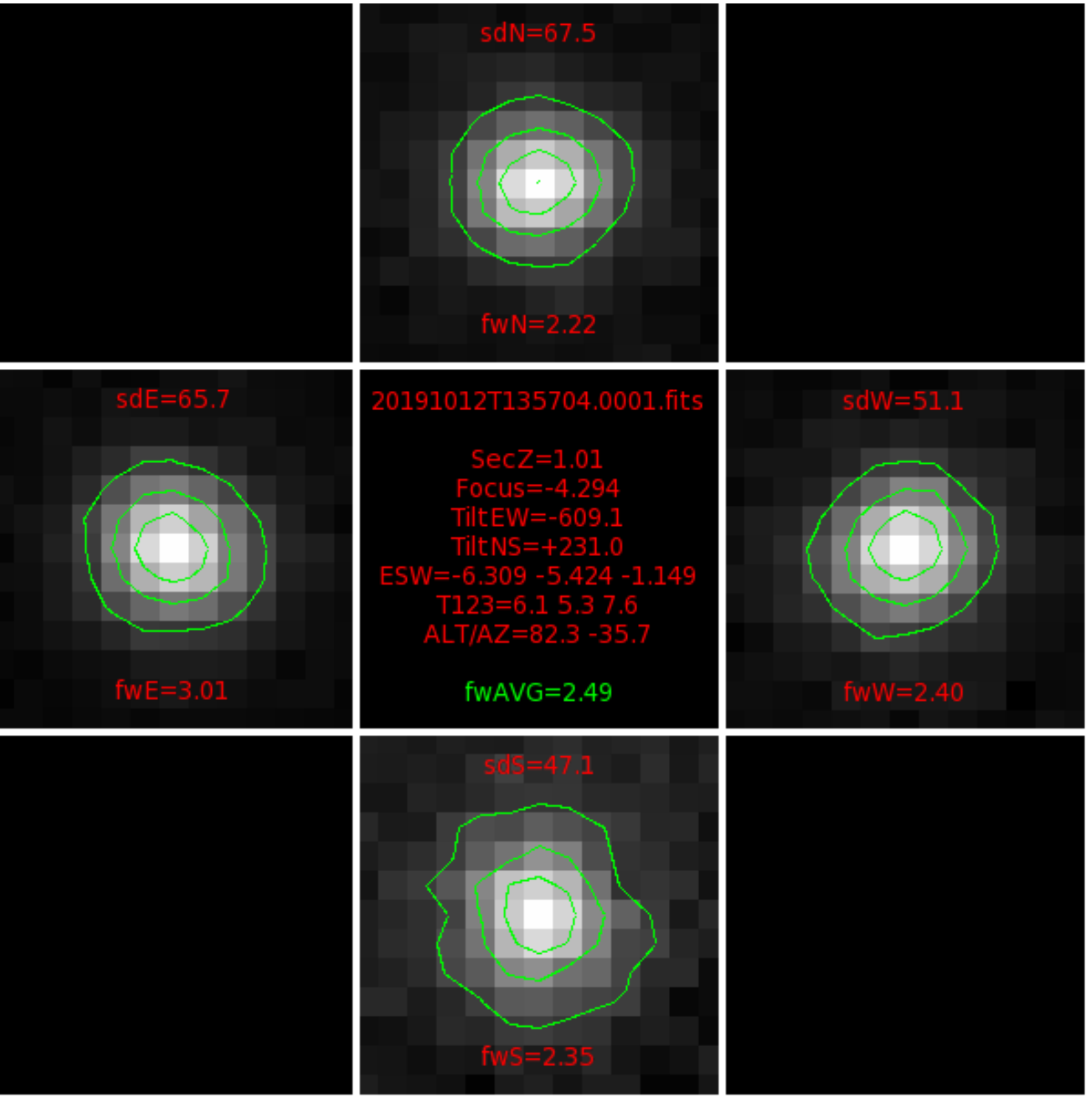
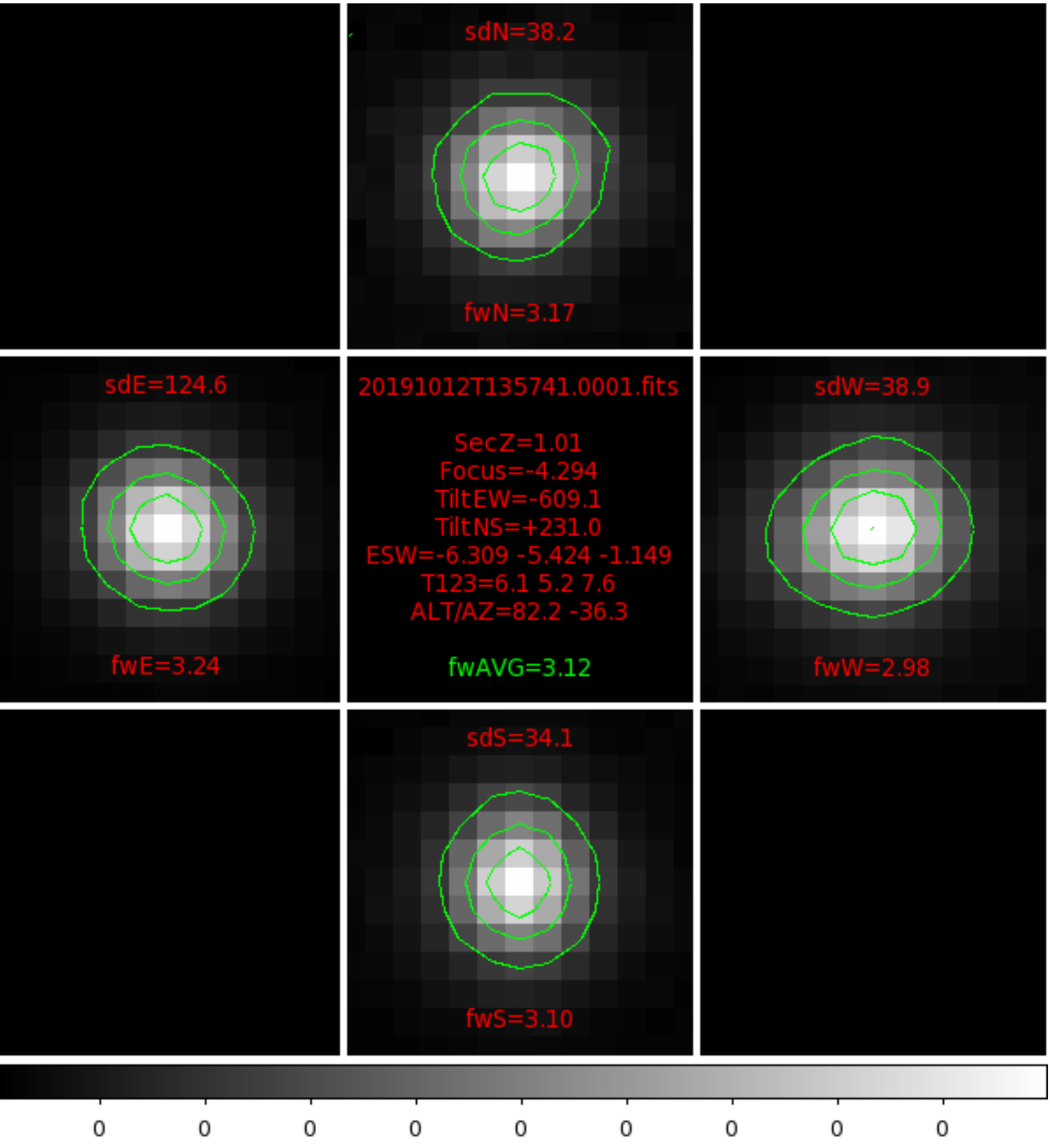

sdN=59.1
fwN=3.09
sdE=47.2
fwE=2.86
20191012T135245.0001.fits
SecZ=1.02
Focus=-4.314
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.329 -5.444 -1.169
T123=6.1 5.0 7.6
ALT/AZ=78.0 -153.1
sdW=39.7
fwW=3.14
sdS=40.2
fwS=0.00
0 0 0 0 0 0 0 0 0

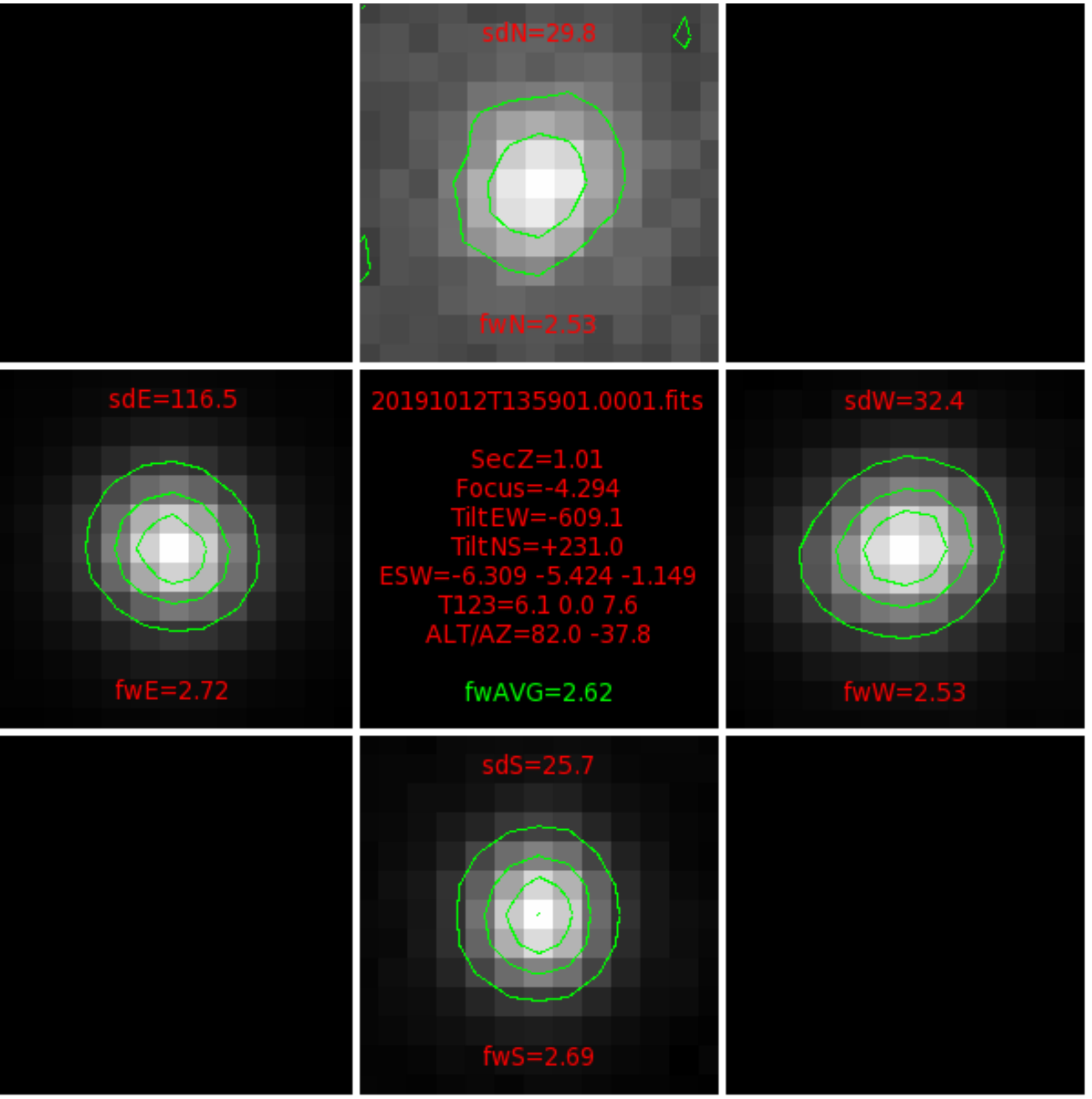

sdN=97.6
fwN=2.91
sdE=71.5
fwE=2.80
20191012T135321.0001.fits
SecZ=1.02
Focus=-4.314
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.329 -5.444 -1.169
T123=6.1 5.0 7.6
ALT/AZ=77.9 -152.5
fwAVG=2.86
sdW=59.7
fwW=2.81
sdS=57.4
fwS=2.92
0 0 0 0 0 0 0 0 0


sdN=90.1
fwN=2.70
sdE=65.6
fwE=2.72
20191012T135454.0001.fits
SecZ=1.02
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.1 5.0 7.6
ALT/AZ=77.8 -151.0
fwAVG=2.70
sdW=55.7
fwW=2.75
sdS=53.9
fwS=2.61
0 0 0 0 0 0 0 0 0


sdN=168.7
fwN=2.27
sdE=112.4
fwE=2.54
20191012T135530.0001.fits
SecZ=1.02
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.1 5.0 7.6
ALT/AZ=77.7 -150.3
fwAVG=2.52
sdW=100.5
fwW=2.67
sdS=95.3
fwS=2.61
0 0 0 0 0 0 0 0 0


sdN=67.5
fwN=2.22
sdE=65.7
fwE=3.01
20191012T135704.0001.fits
SecZ=1.01
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.1 5.3 7.6
ALT/AZ=82.3 -35.7
fwAVG=2.49
sdW=51.1
fwW=2.40
sdS=47.1
fwS=2.35
0 0 0 0 0 0 0 0 0


sdN=38.2
fwN=3.17
sdE=124.6
fwE=3.24
20191012T135741.0001.fits
SecZ=1.01
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.1 5.2 7.6
ALT/AZ=82.2 -36.3
fwAVG=3.12
sdW=38.9
fwW=2.98
sdS=34.1
fwS=3.10
0 0 0 0 0 0 0 0 0


sdN=29.8
fwN=2.53
sdE=116.5
fwE=2.72
20191012T135901.0001.fits
SecZ=1.01
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.1 0.0 7.6
ALT/AZ=82.0 -37.8
fwAVG=2.62
sdW=32.4
fwW=2.53
sdS=25.7
fwS=2.69
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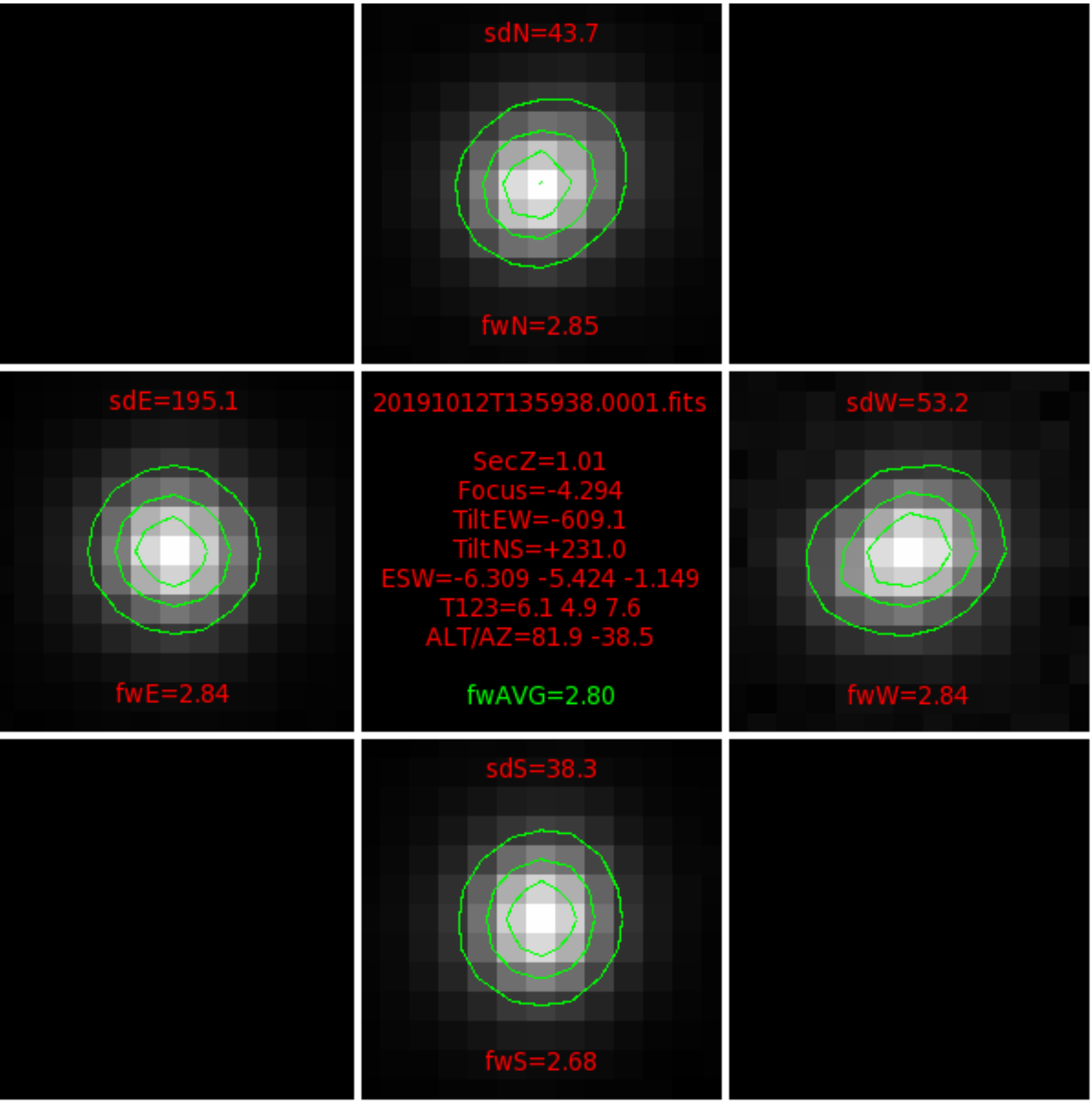
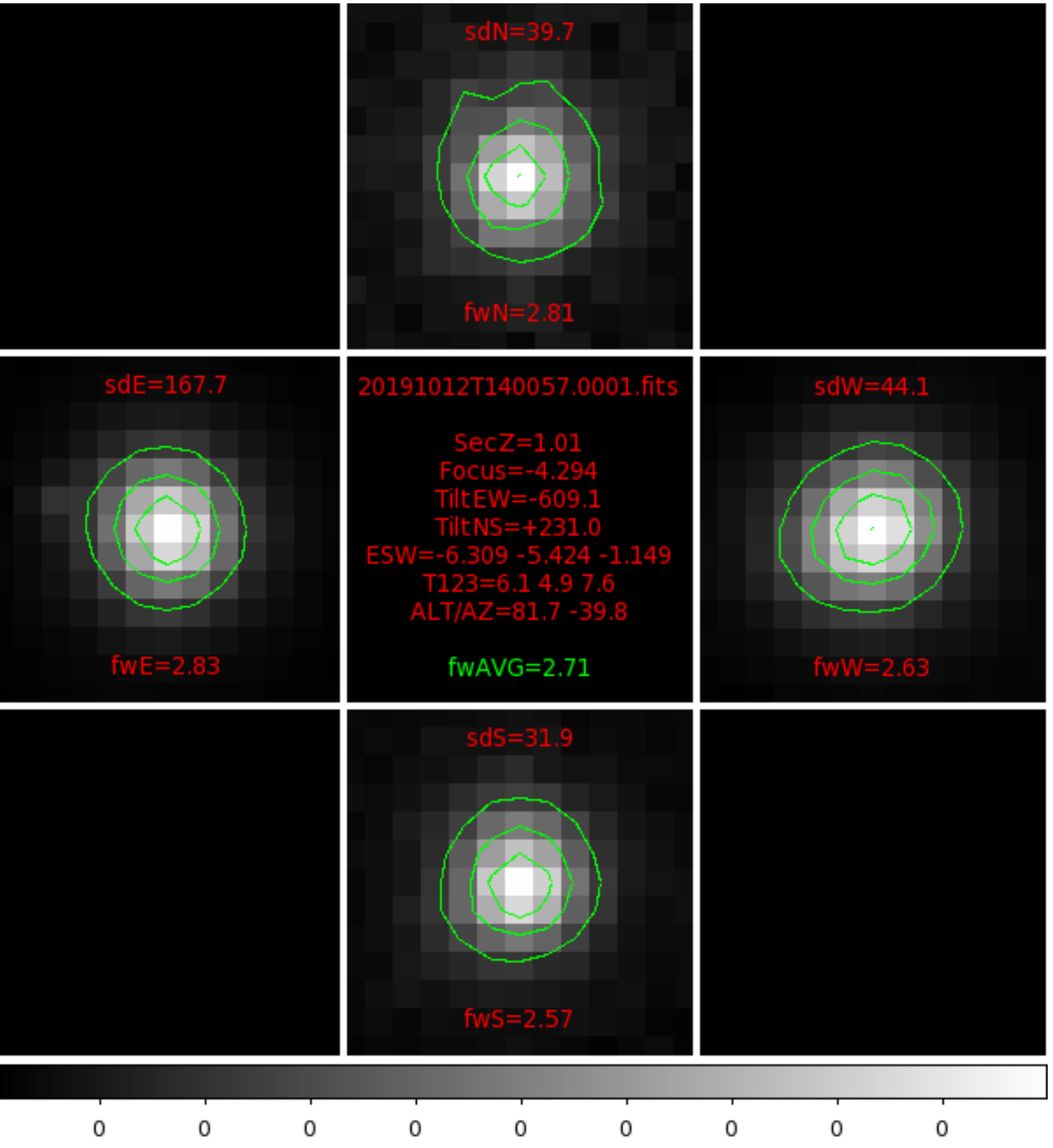

sdN=43.7
fwN=2.85
sdE=195.1
fwE=2.84
20191012T135938.0001.fits
SecZ=1.01
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.1 4.9 7.6
ALT/AZ=81.9 -38.5
fwAVG=2.80
sdW=53.2
fwW=2.84
sdS=38.3
fwS=2.68
0 0 0 0 0 0 0 0 0


sdN=39.7
fwN=2.81
sdE=167.7
fwE=2.83
20191012T140057.0001.fits
SecZ=1.01
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.1 4.9 7.6
ALT/AZ=81.7 -39.8
fwAVG=2.71
sdW=44.1
fwW=2.63
sdS=31.9
fwS=2.57
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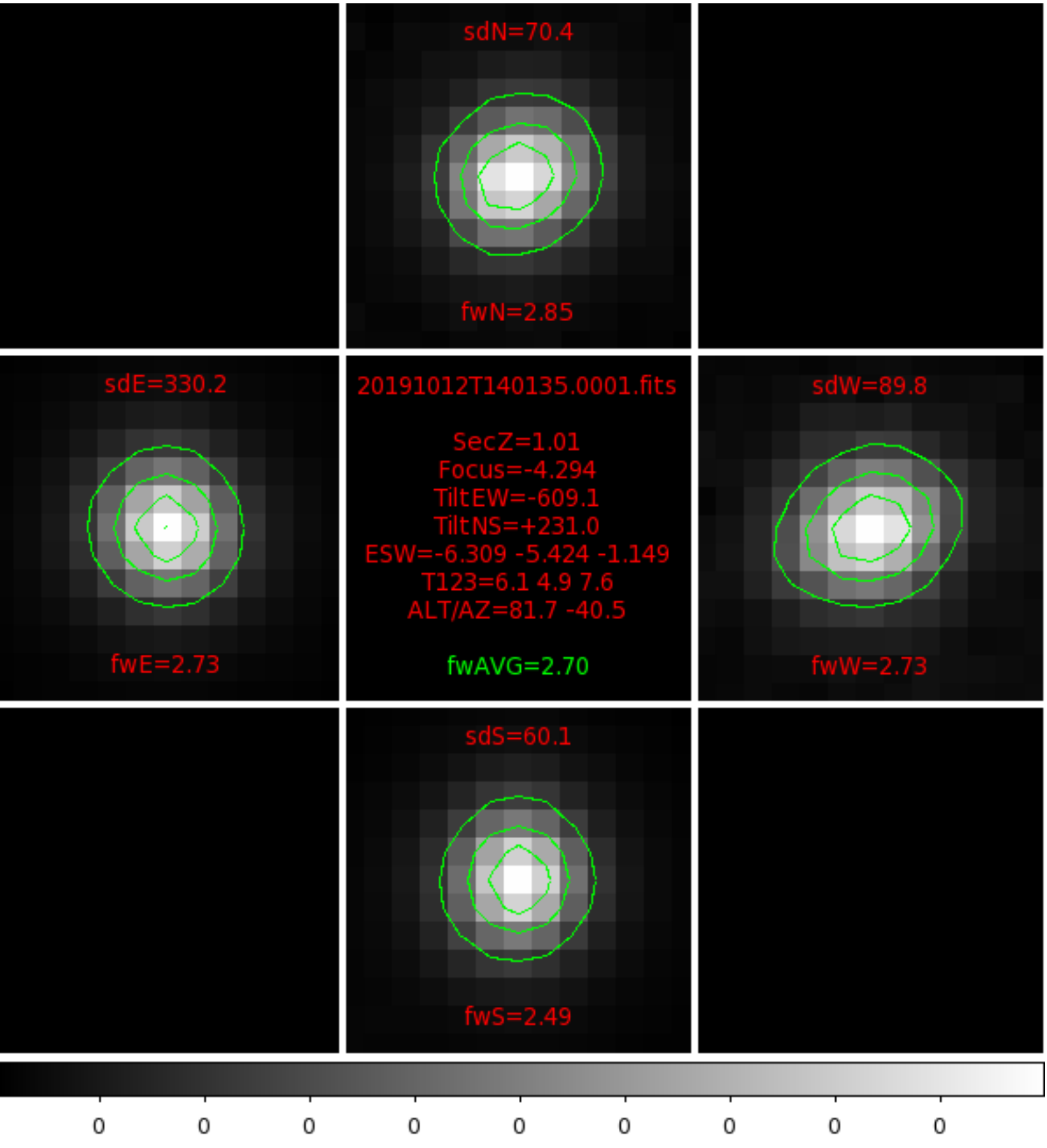
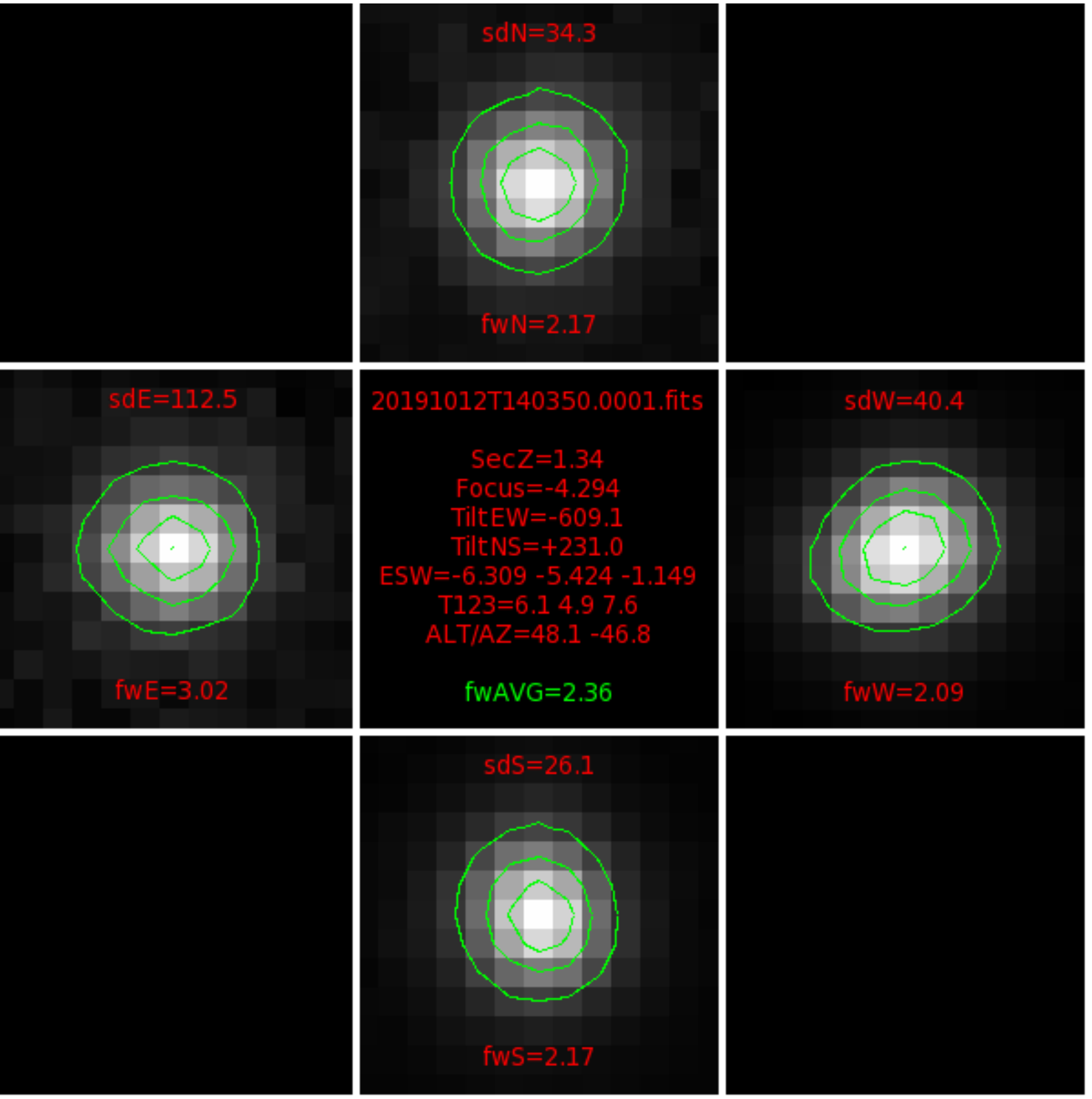

sdN=70.4
fwN=2.85
sdE=330.2
fwE=2.73
20191012T140135.0001.fits
SecZ=1.01
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.1 4.9 7.6
ALT/AZ=81.7 -40.5
fwAVG=2.70
sdW=89.8
fwW=2.73
sdS=60.1
fwS=2.49
0 0 0 0 0 0 0 0 0


sdN=34.3
fwN=2.17
sdE=112.5
fwE=3.02
20191012T140350.0001.fits
SecZ=1.34
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.1 4.9 7.6
ALT/AZ=48.1 -46.8
fwAVG=2.36
sdW=40.4
fwW=2.09
sdS=26.1
fwS=2.17
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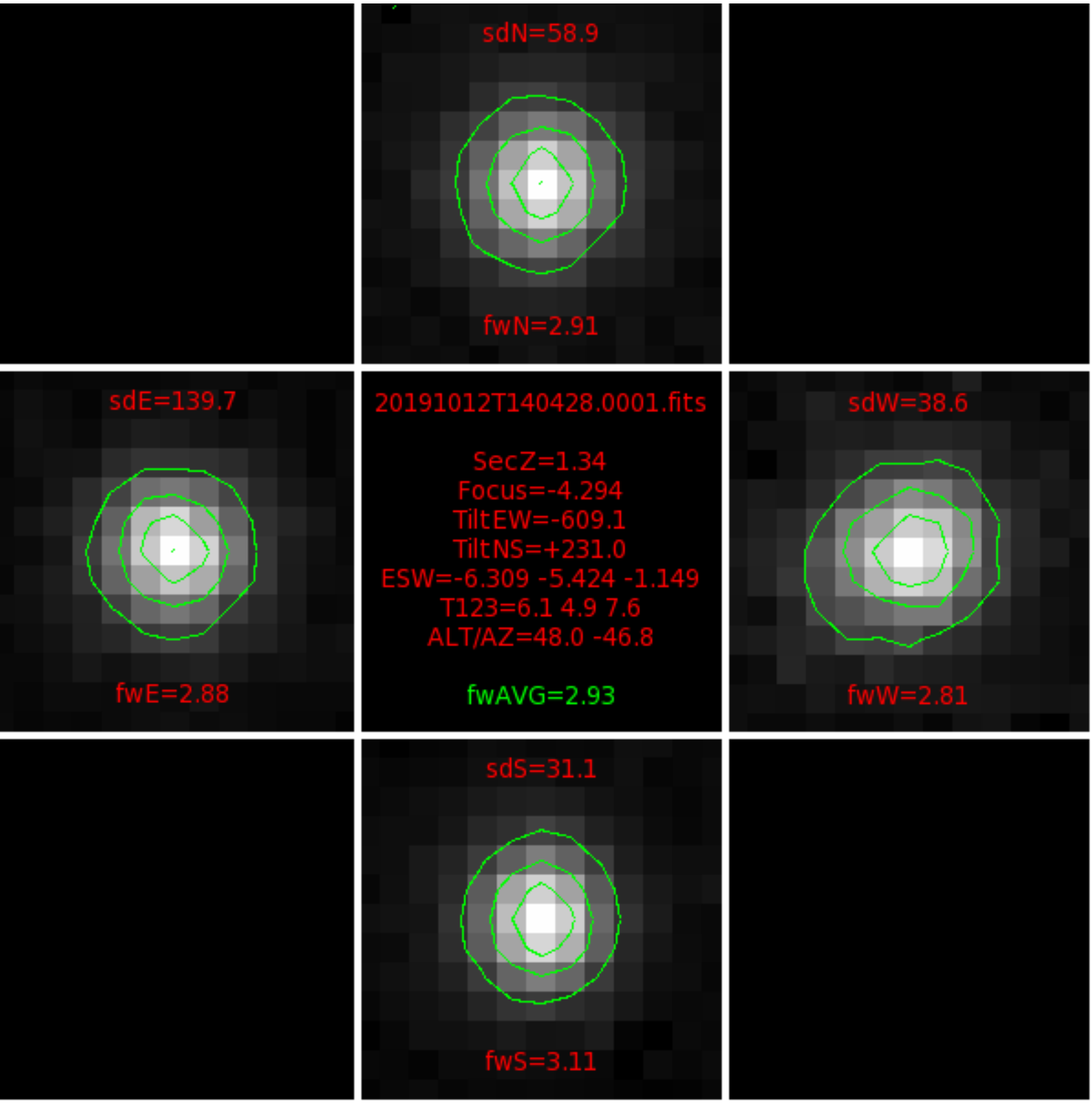
sdN=58.9
fwN=2.91
sdE=139.7
fwE=2.88
20191012T140428.0001.fits
SecZ=1.34
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.1 4.9 7.6
ALT/AZ=48.0 -46.8
fwAVG=2.93
sdW=38.6
fwW=2.81
sdS=31.1
fwS=3.11
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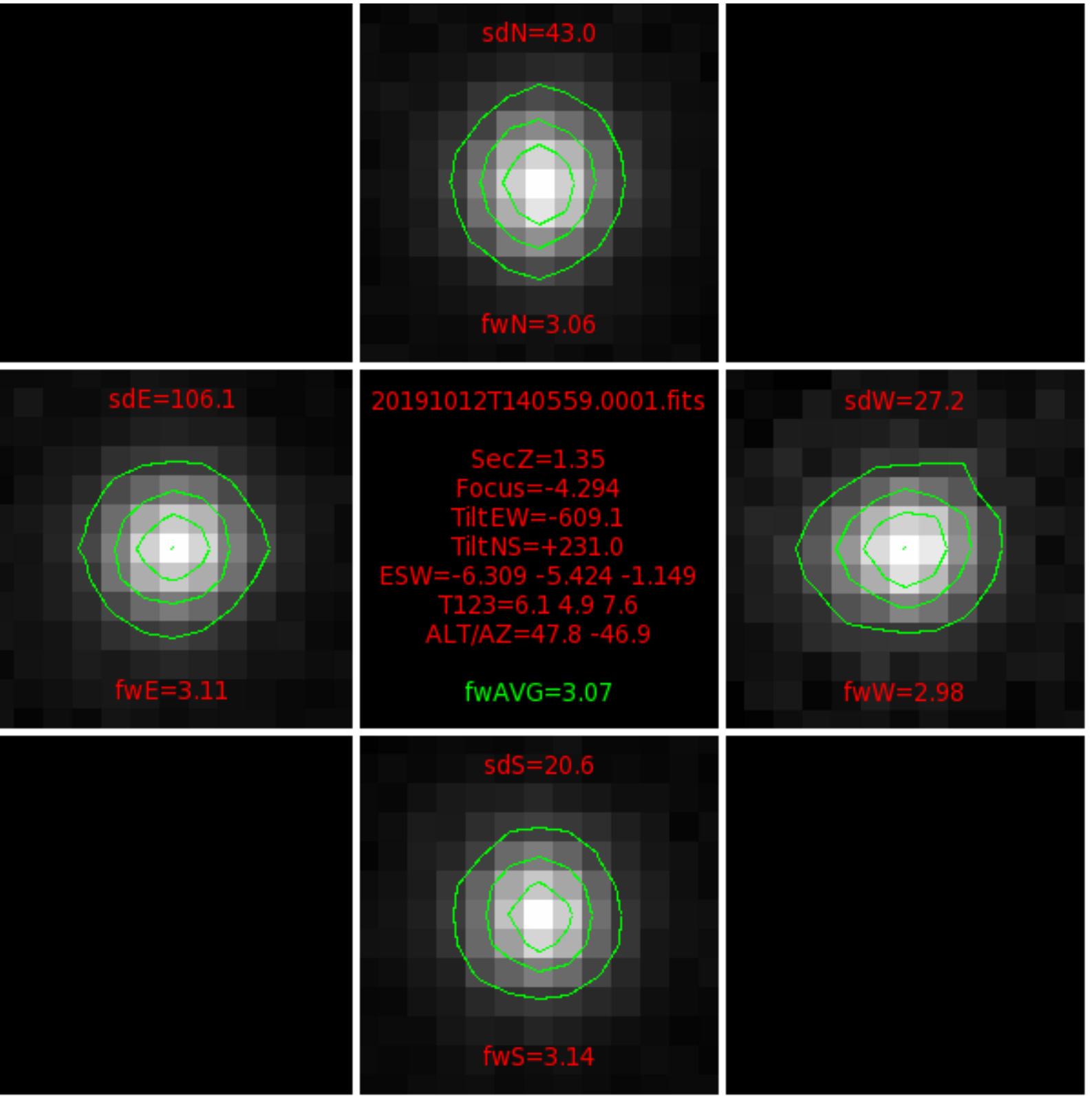
sdN=43.0
fwN=3.06
sdE=106.1
fwE=3.11
20191012T140559.0001.fits
SecZ=1.35
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.1 4.9 7.6
ALT/AZ=47.8 -46.9
fwAVG=3.07
sdW=27.2
fwW=2.98
sdS=20.6
fwS=3.14
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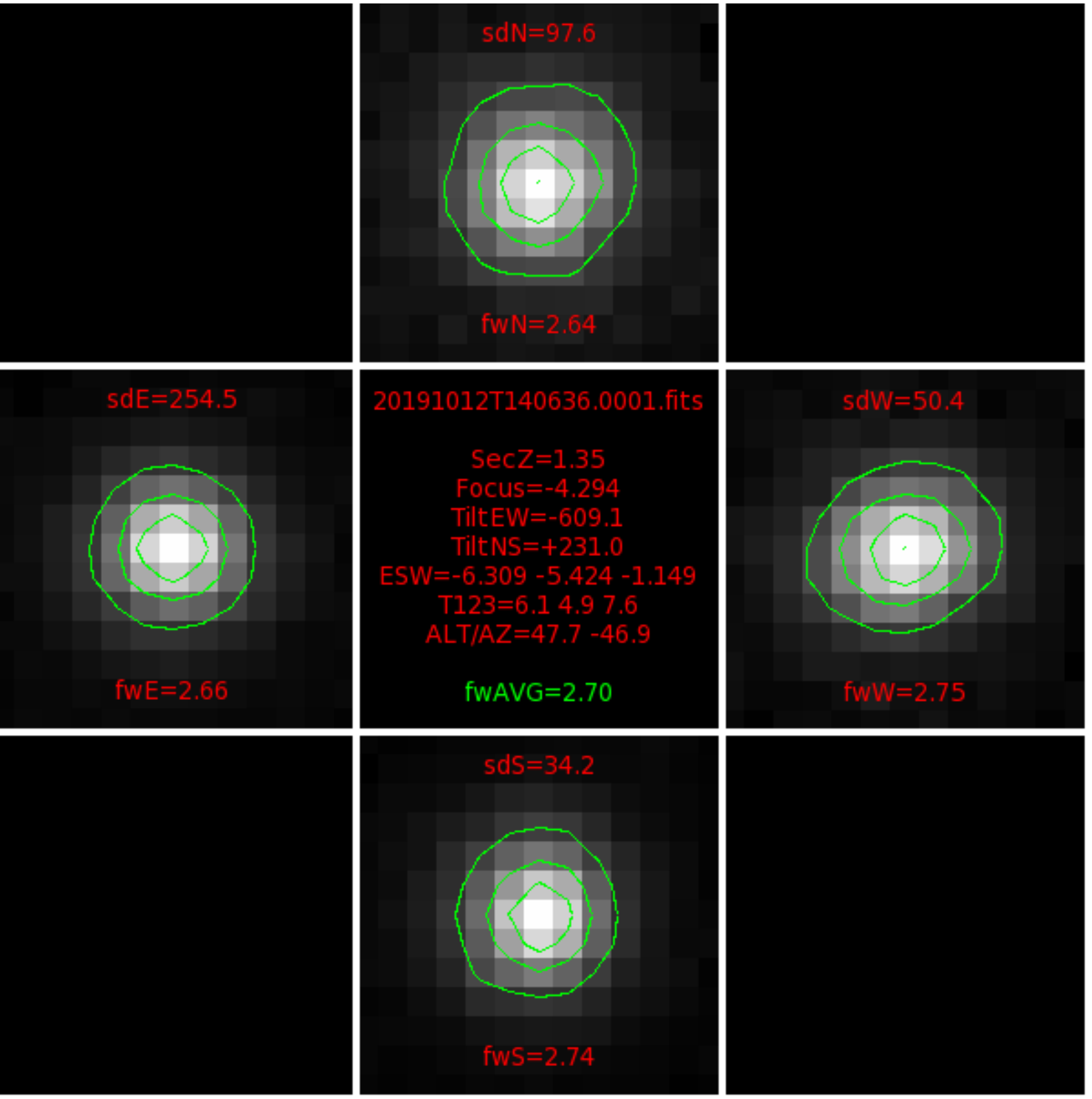
sdN=97.6
fwN=2.64
sdE=254.5
fwE=2.66
20191012T140636.0001.fits
SecZ=1.35
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.1 4.9 7.6
ALT/AZ=47.7 -46.9
fwAVG=2.70
sdW=50.4
fwW=2.75
sdS=34.2
fwS=2.74
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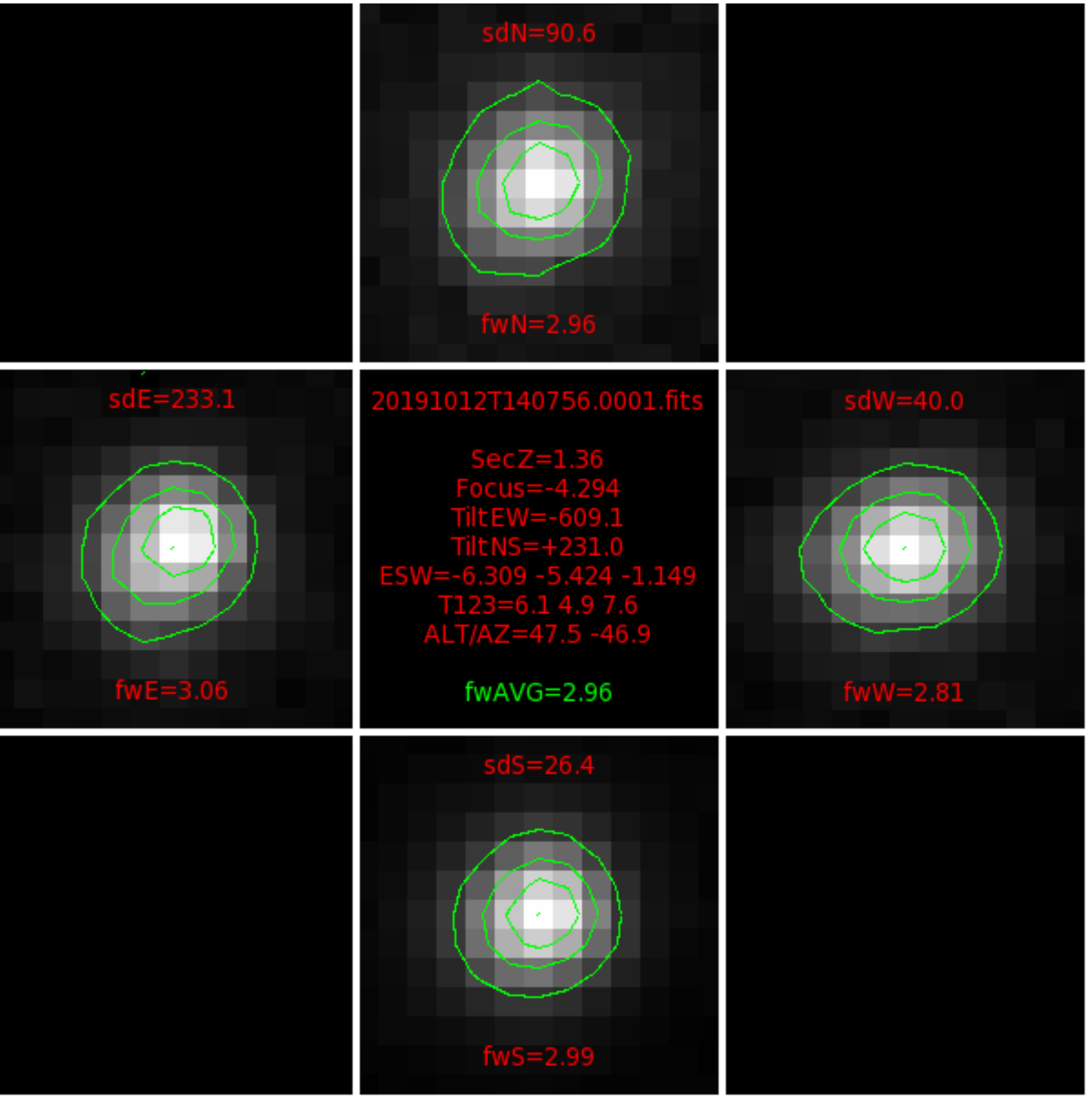
sdN=90.6
fwN=2.96
sdE=233.1
fwE=3.06
20191012T140756.0001.fits
SecZ=1.36
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.1 4.9 7.6
ALT/AZ=47.5 -46.9
fwAVG=2.96
sdW=40.0
fwW=2.81
sdS=26.4
fwS=2.99
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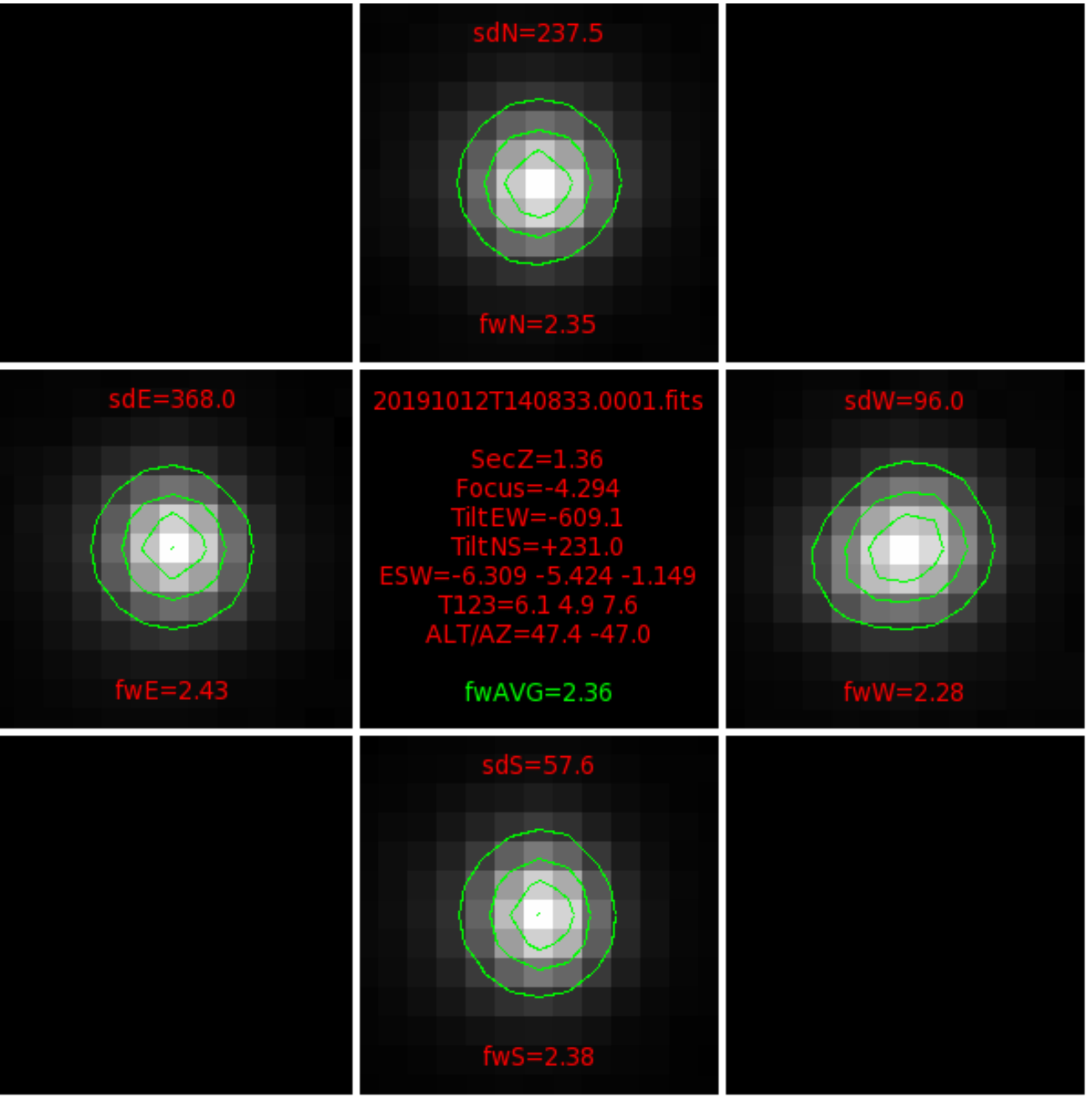
sdN=237.5
fwN=2.35
sdE=368.0
fwE=2.43
20191012T140833.0001.fits
SecZ=1.36
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.1 4.9 7.6
ALT/AZ=47.4 -47.0
fwAVG=2.36
sdW=96.0
fwW=2.28
sdS=57.6
fwS=2.38
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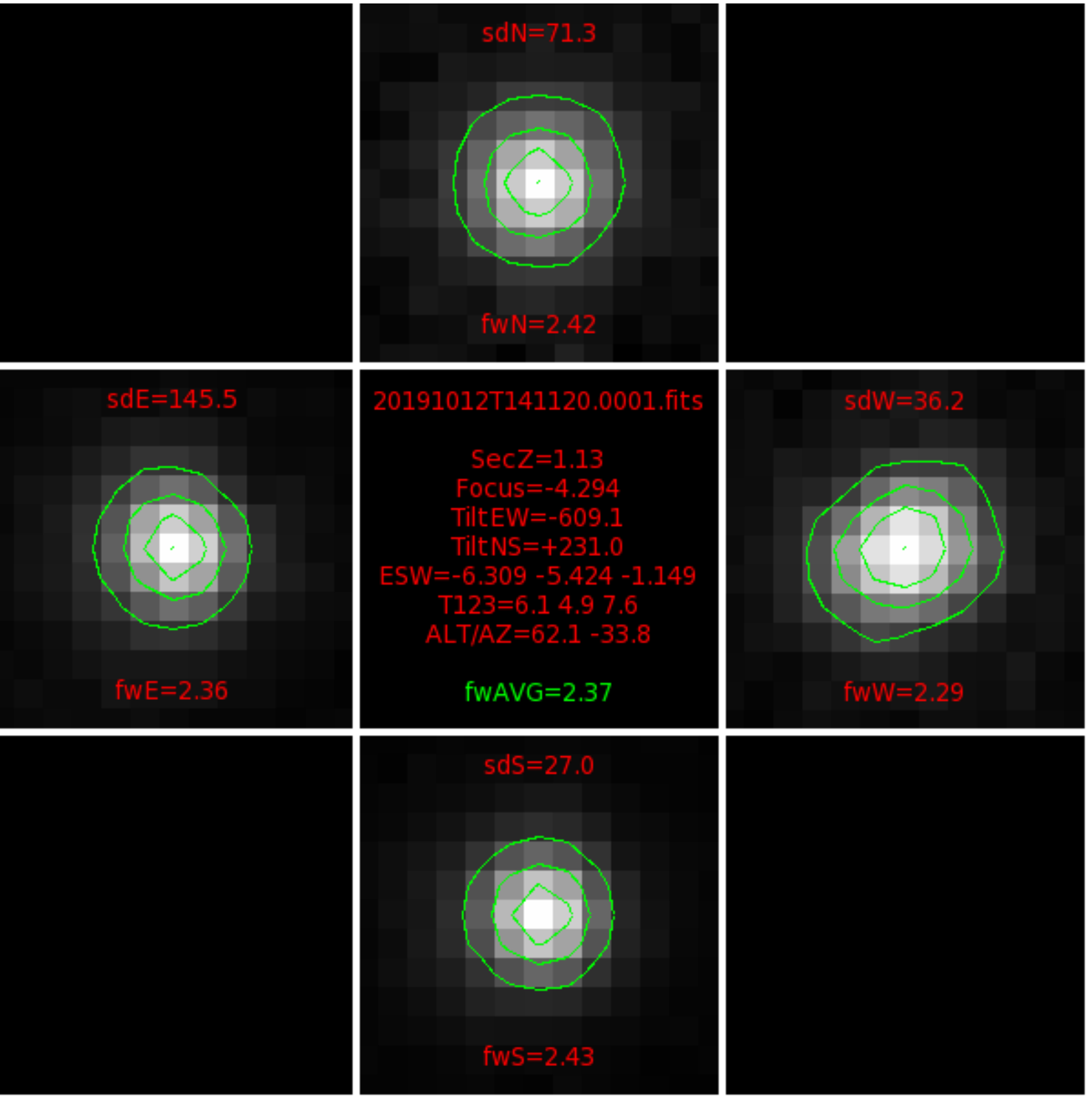
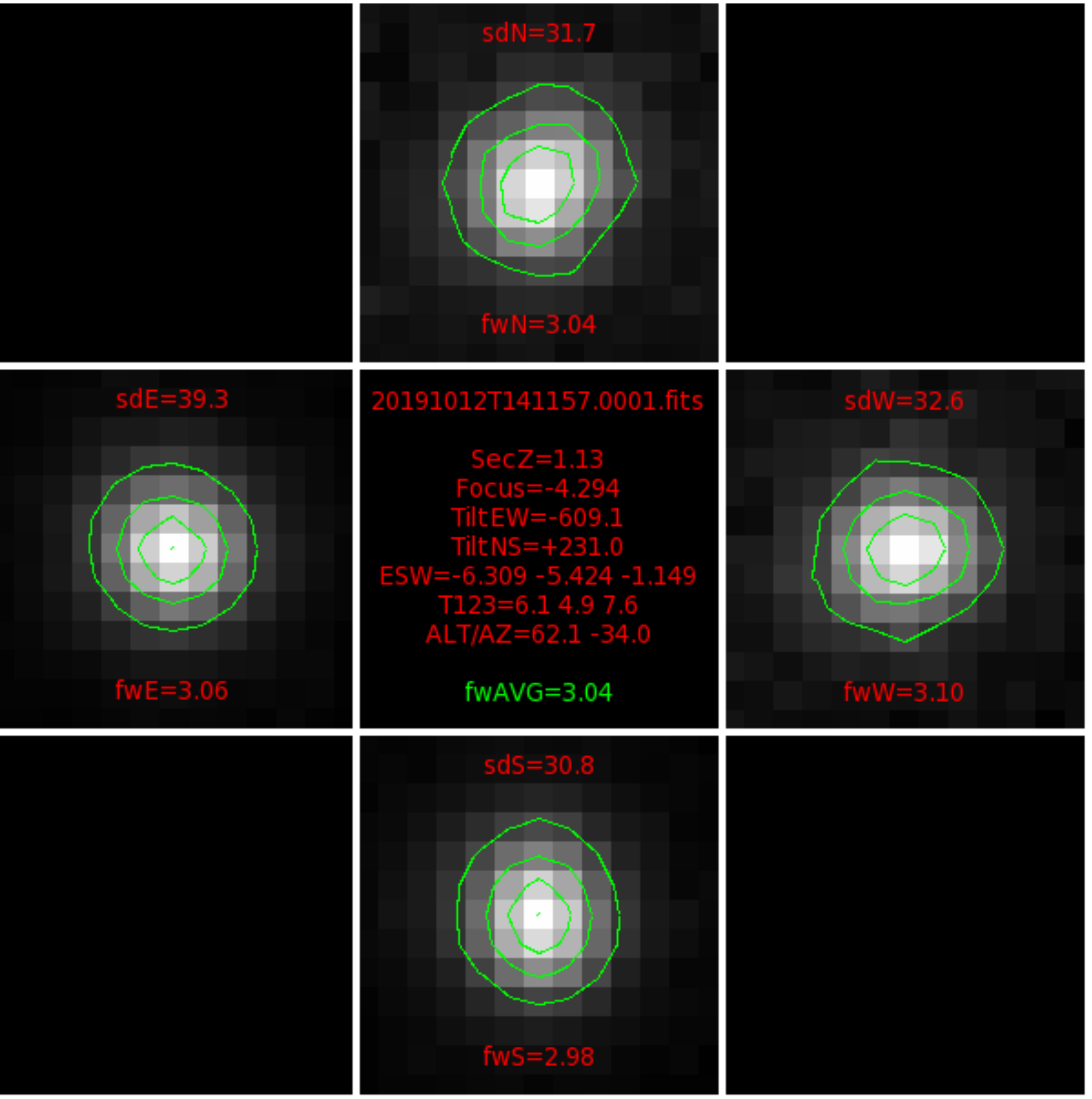
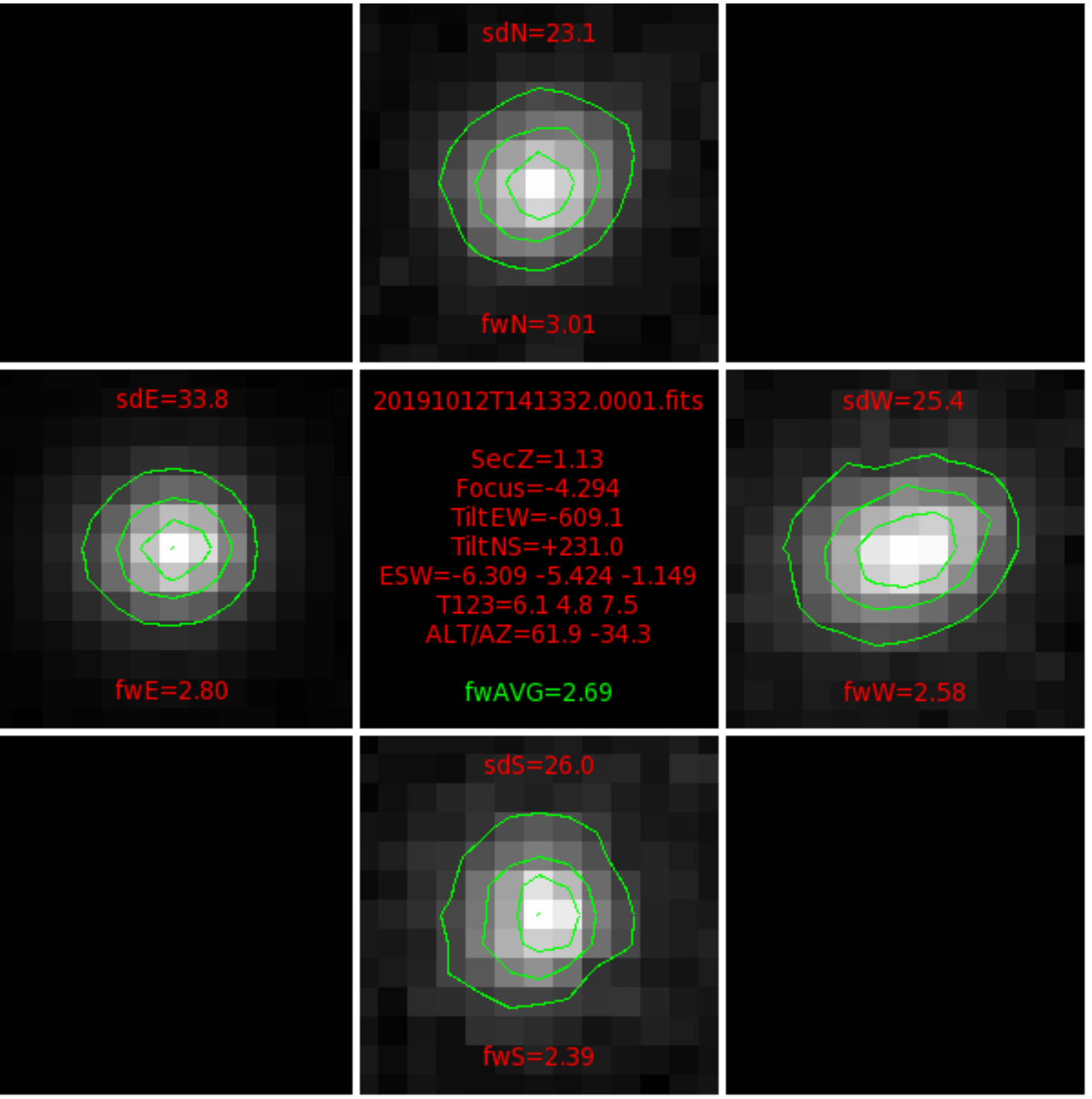

sdN=71.3
fwN=2.42
sdE=145.5
fwE=2.36
20191012T141120.0001.fits
SecZ=1.13
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.1 4.9 7.6
ALT/AZ=62.1 -33.8
fwAVG=2.37
sdW=36.2
fwW=2.29
sdS=27.0
fwS=2.43
0 0 0 0 0 0 0 0 0


sdN=31.7
fwN=3.04
sdE=39.3
fwE=3.06
20191012T141157.0001.fits
SecZ=1.13
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.1 4.9 7.6
ALT/AZ=62.1 -34.0
fwAVG=3.04
sdW=32.6
fwW=3.10
sdS=30.8
fwS=2.98
0 0 0 0 0 0 0 0 0


sdN=23.1
fwN=3.01
sdE=33.8
fwE=2.80
20191012T141332.0001.fits
SecZ=1.13
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.1 4.8 7.5
ALT/AZ=61.9 -34.3
fwAVG=2.69
sdW=25.4
fwW=2.58
sdS=26.0
fwS=2.39
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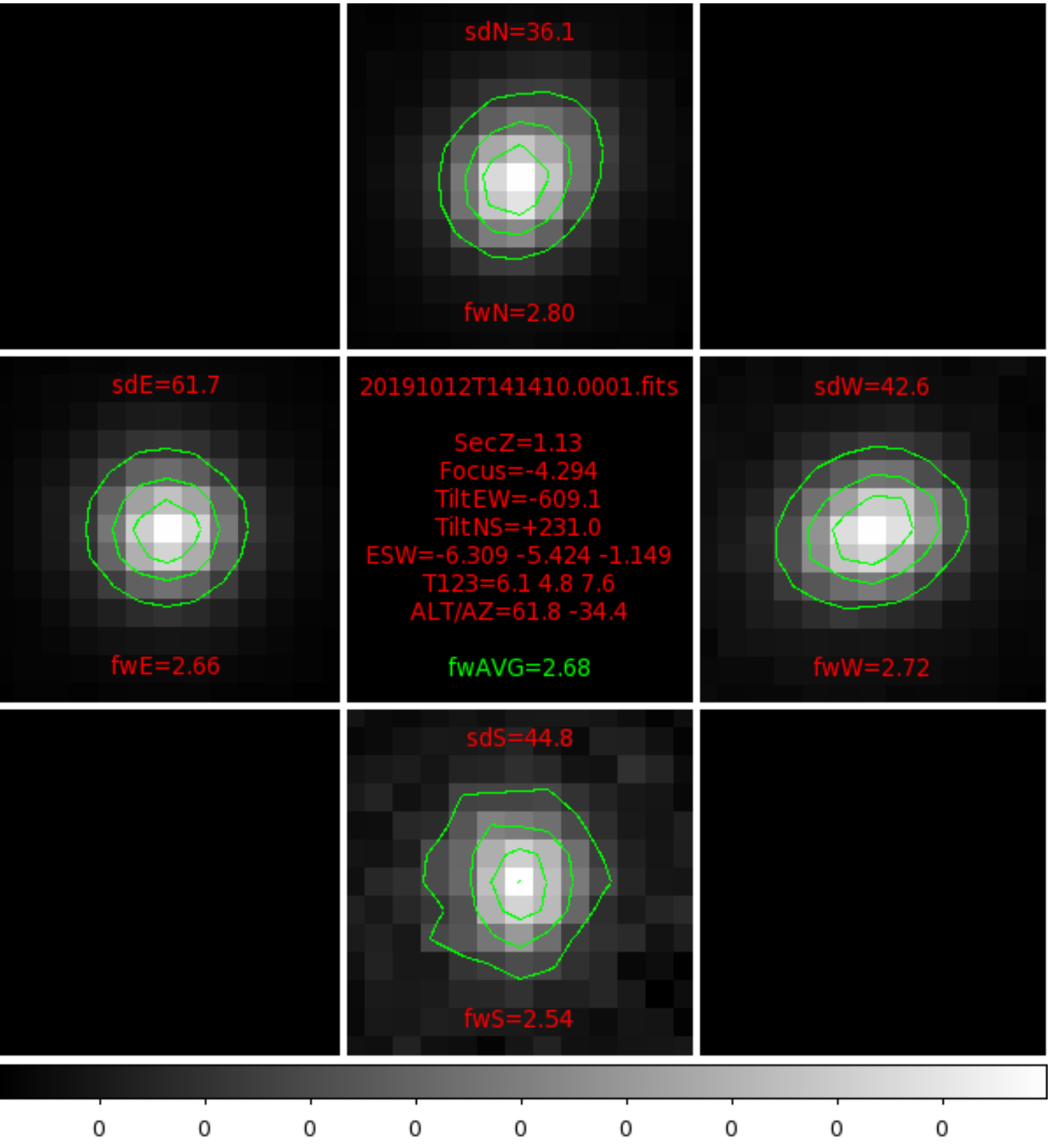
sdN=36.1
fwN=2.80
sdE=61.7
fwE=2.66
20191012T141410.0001.fits
SecZ=1.13
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.1 4.8 7.6
ALT/AZ=61.8 -34.4
fwAVG=2.68
sdW=42.6
fwW=2.72
sdS=44.8
fwS=2.54
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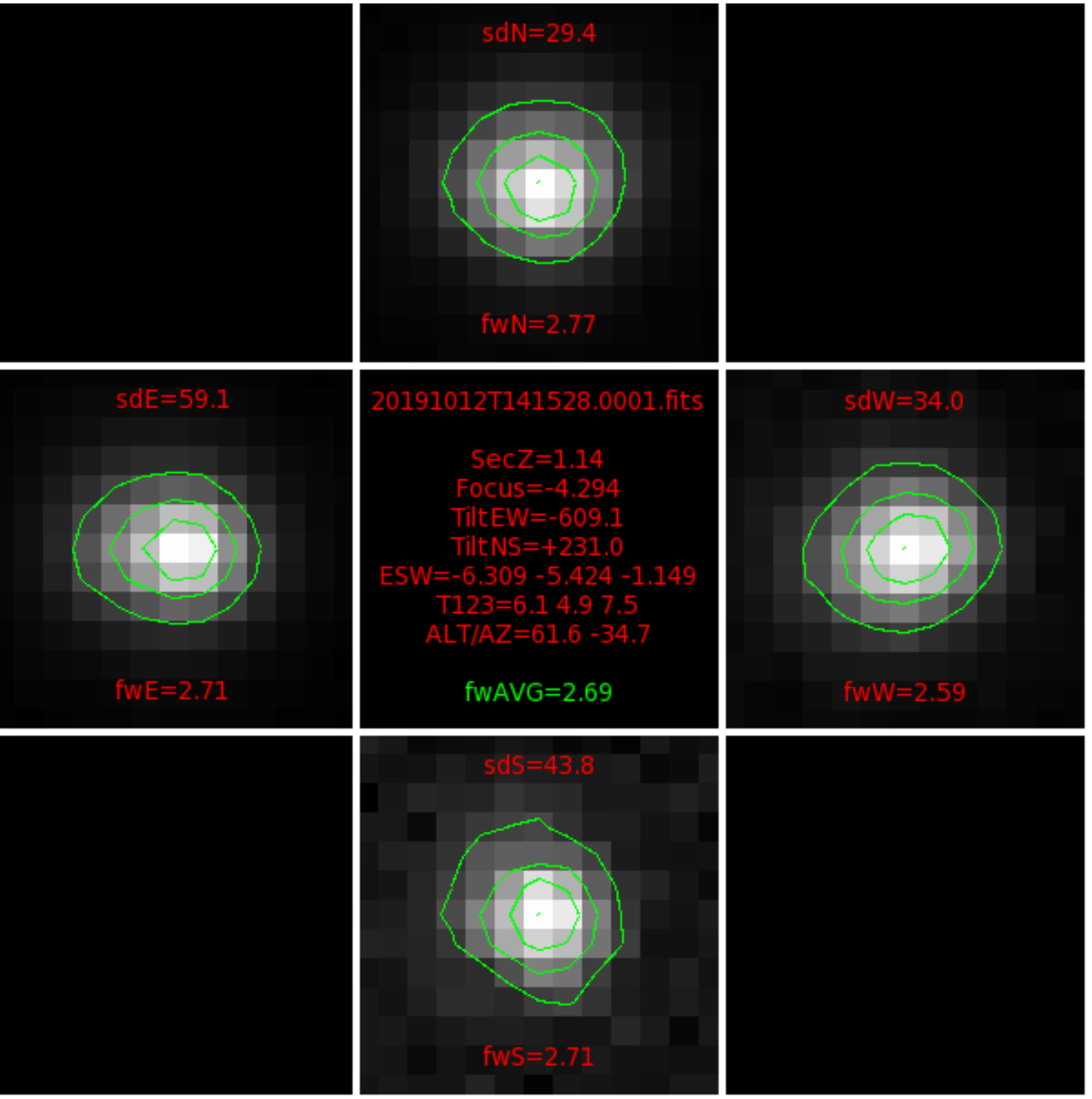
sdN=29.4
fwN=2.77
sdE=59.1
fwE=2.71
20191012T141528.0001.fits
SecZ=1.14
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.1 4.9 7.5
ALT/AZ=61.6 -34.7
fwAVG=2.69
sdW=34.0
fwW=2.59
sdS=43.8
fwS=2.71
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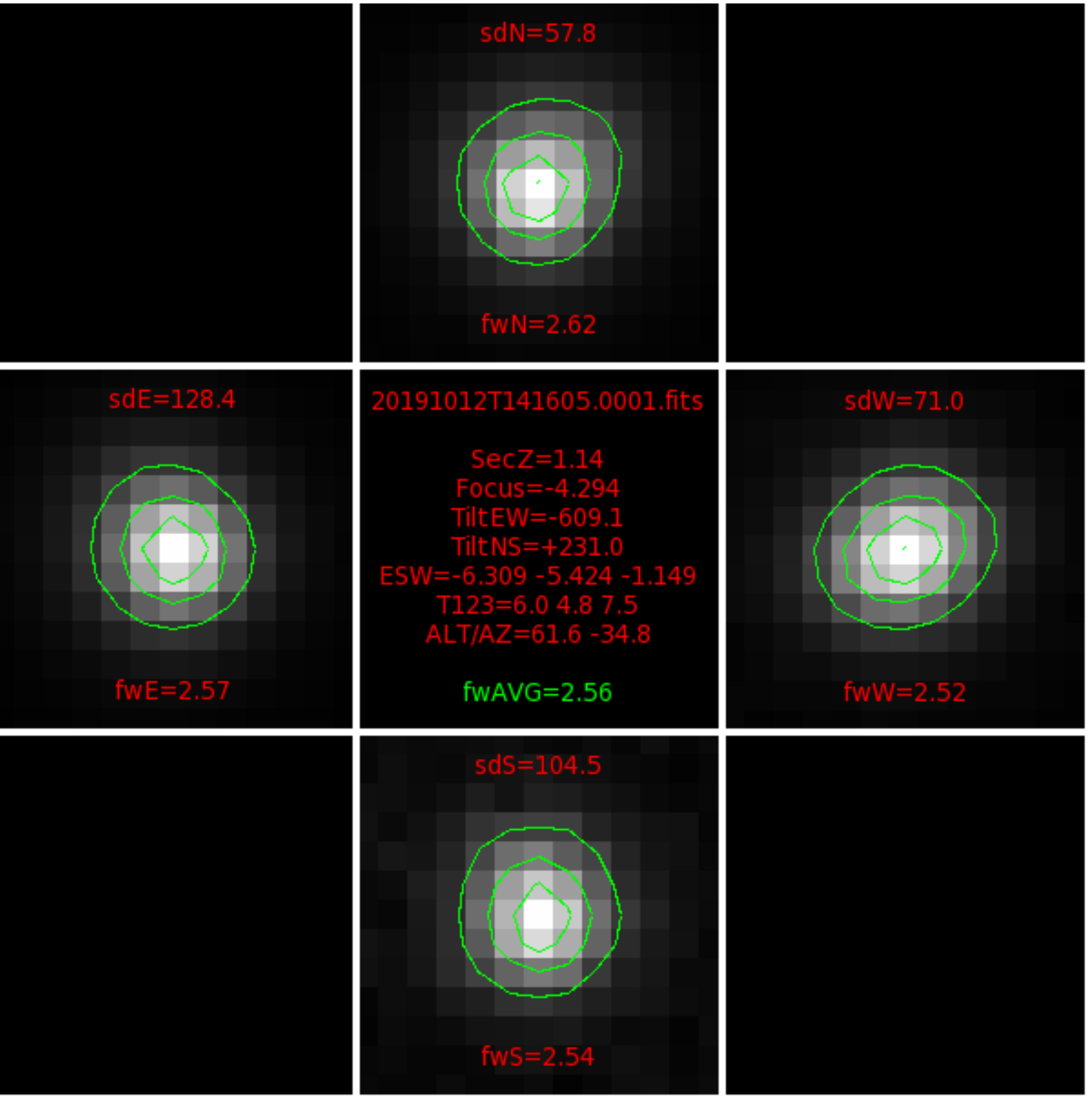
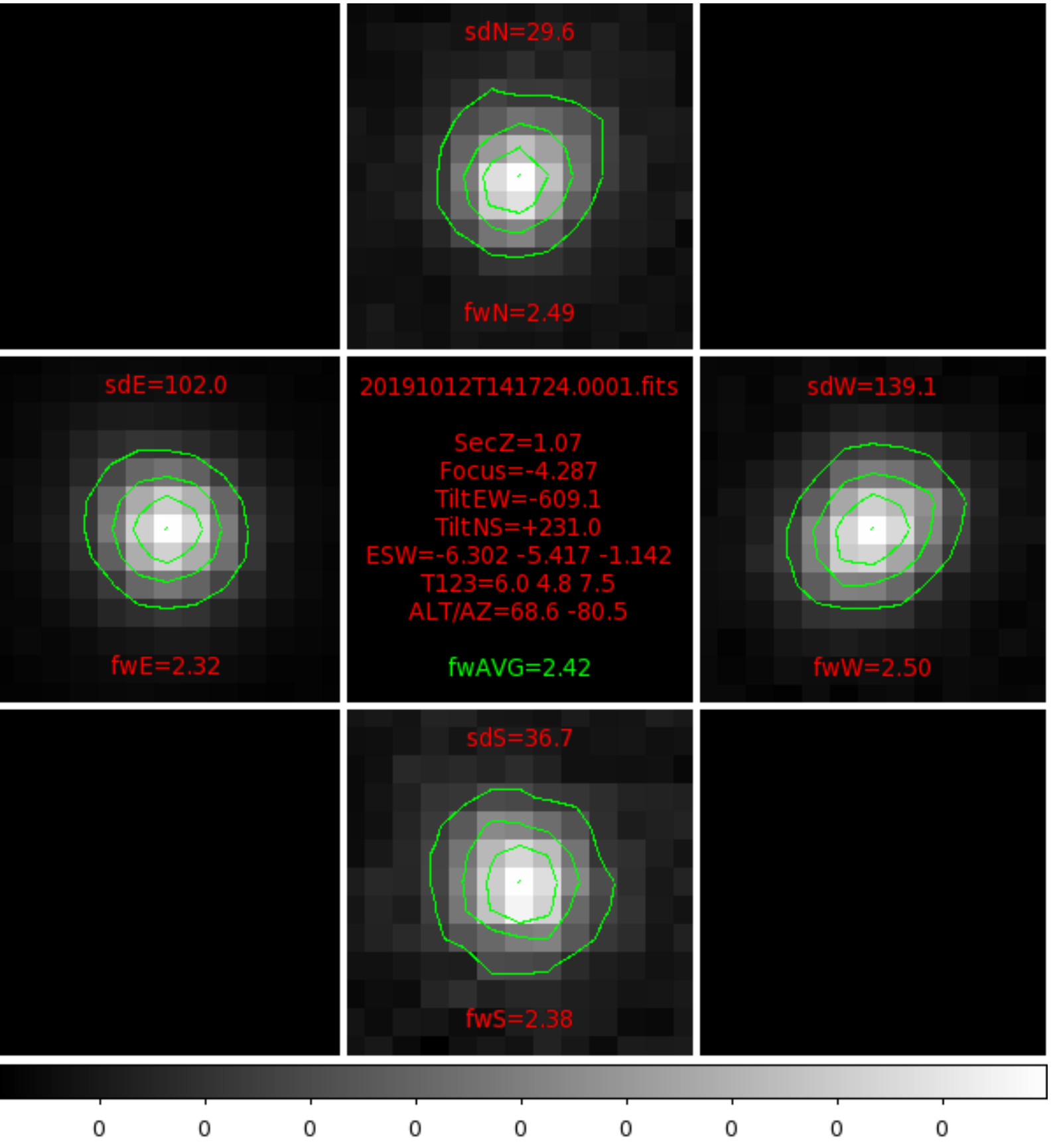

sdN=57.8
fwN=2.62
sdE=128.4
fwE=2.57
20191012T141605.0001.fits
SecZ=1.14
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.0 4.8 7.5
ALT/AZ=61.6 -34.8
fwAVG=2.56
sdW=71.0
fwW=2.52
sdS=104.5
fwS=2.54
0 0 0 0 0 0 0 0 0


sdN=29.6
fwN=2.49
sdE=102.0
fwE=2.32
20191012T141724.0001.fits
SecZ=1.07
Focus=-4.287
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.302 -5.417 -1.142
T123=6.0 4.8 7.5
ALT/AZ=68.6 -80.5
fwAVG=2.42
sdW=139.1
fwW=2.50
sdS=36.7
fwS=2.38
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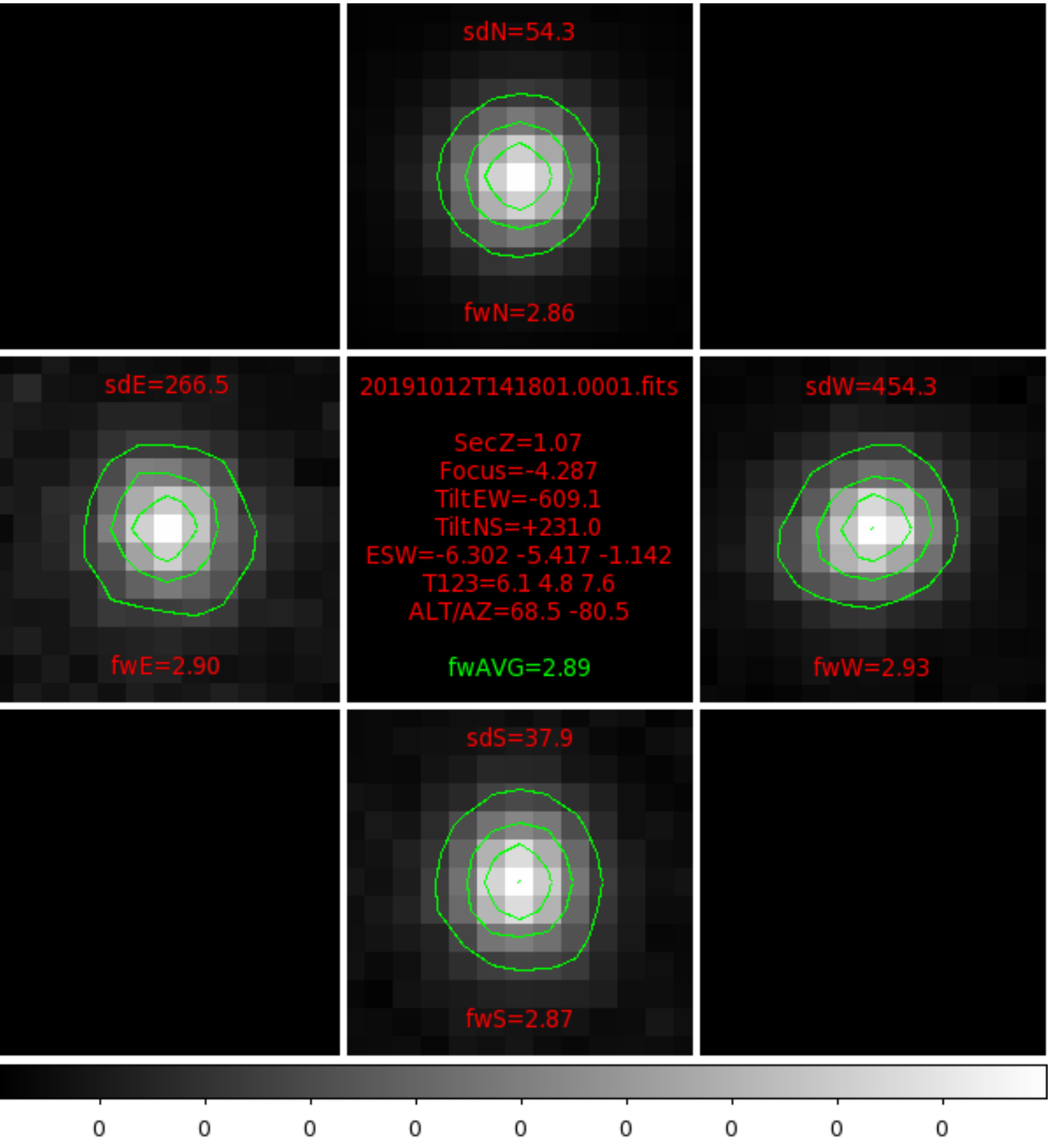
sdN=54.3
fwN=2.86
sdE=266.5
fwE=2.90
20191012T141801.0001.fits
SecZ=1.07
Focus=-4.287
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.302 -5.417 -1.142
T123=6.1 4.8 7.6
ALT/AZ=68.5 -80.5
fwAVG=2.89
sdW=454.3
fwW=2.93
sdS=37.9
fwS=2.87
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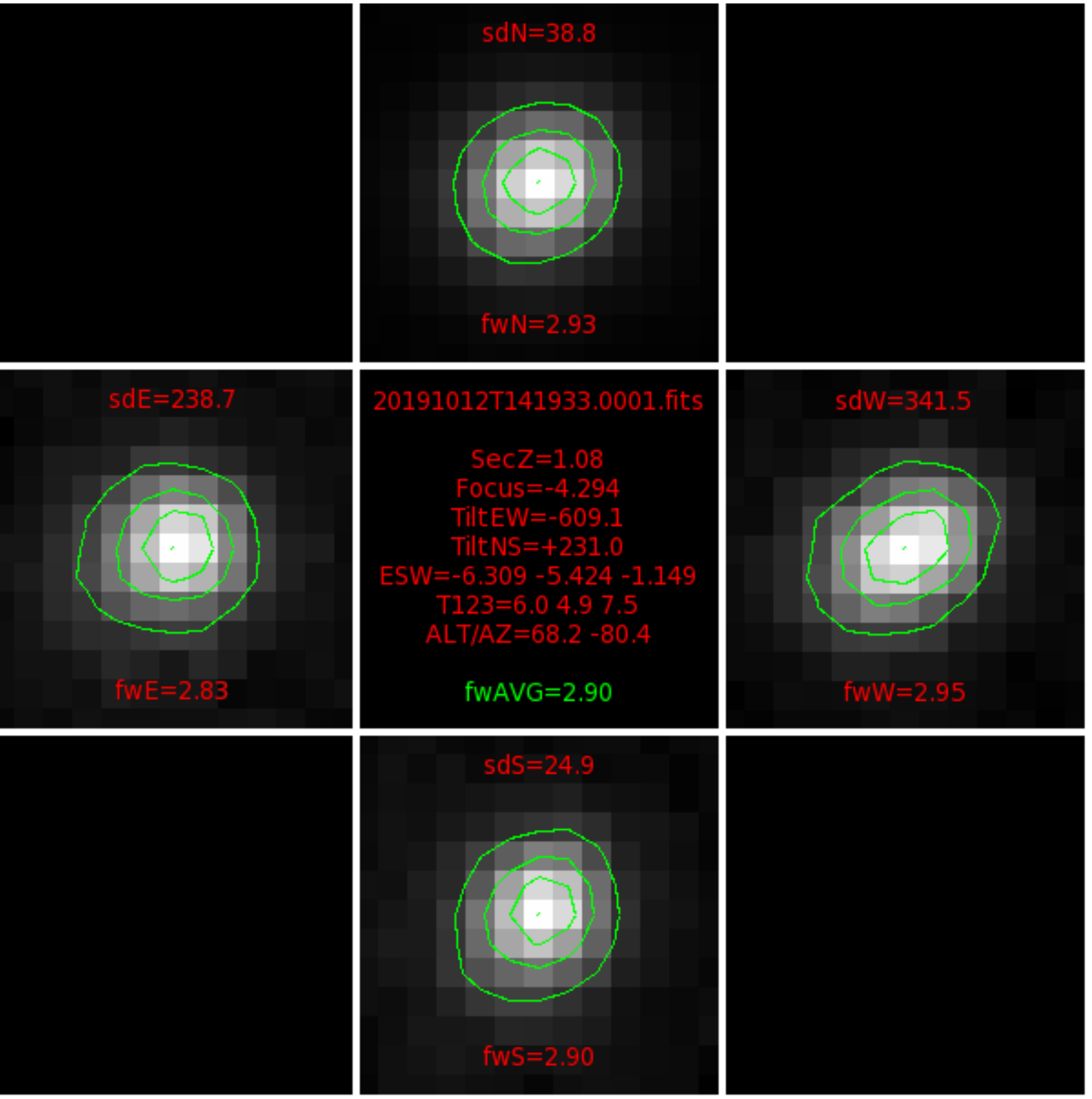
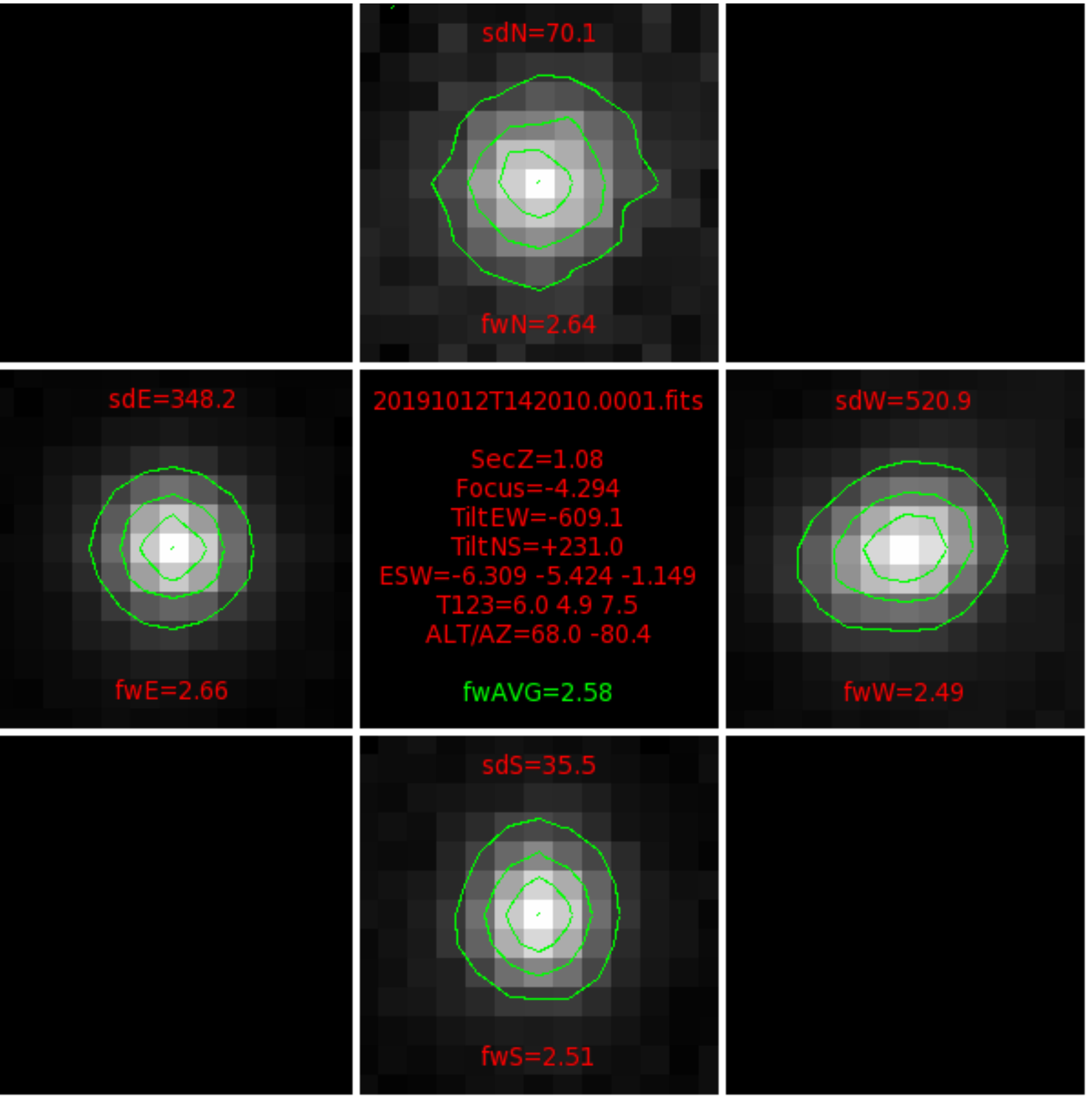
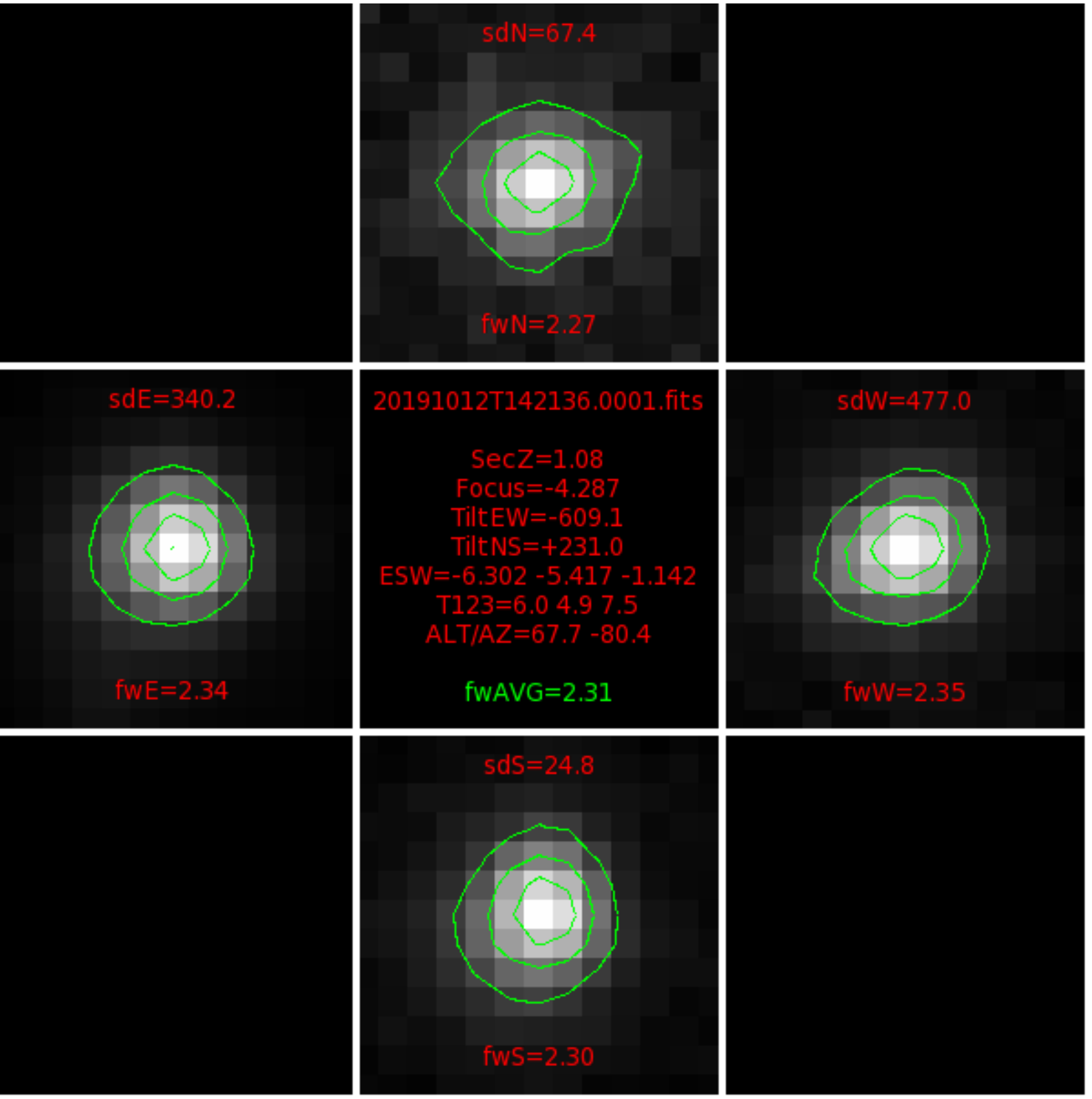

sdN=38.8
fwN=2.93
sdE=238.7
fwE=2.83
20191012T141933.0001.fits
SecZ=1.08
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.0 4.9 7.5
ALT/AZ=68.2 -80.4
fwAVG=2.90
sdW=341.5
fwW=2.95
sdS=24.9
fwS=2.90
0 0 0 0 0 0 0 0 0


sdN=70.1
fwN=2.64
sdE=348.2
fwE=2.66
20191012T142010.0001.fits
SecZ=1.08
Focus=-4.294
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.309 -5.424 -1.149
T123=6.0 4.9 7.5
ALT/AZ=68.0 -80.4
fwAVG=2.58
sdW=520.9
fwW=2.49
sdS=35.5
fwS=2.51
0 0 0 0 0 0 0 0 0


sdN=67.4
fwN=2.27
sdE=340.2
fwE=2.34
20191012T142136.0001.fits
SecZ=1.08
Focus=-4.287
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.302 -5.417 -1.142
T123=6.0 4.9 7.5
ALT/AZ=67.7 -80.4
fwAVG=2.31
sdW=477.0
fwW=2.35
sdS=24.8
fwS=2.30
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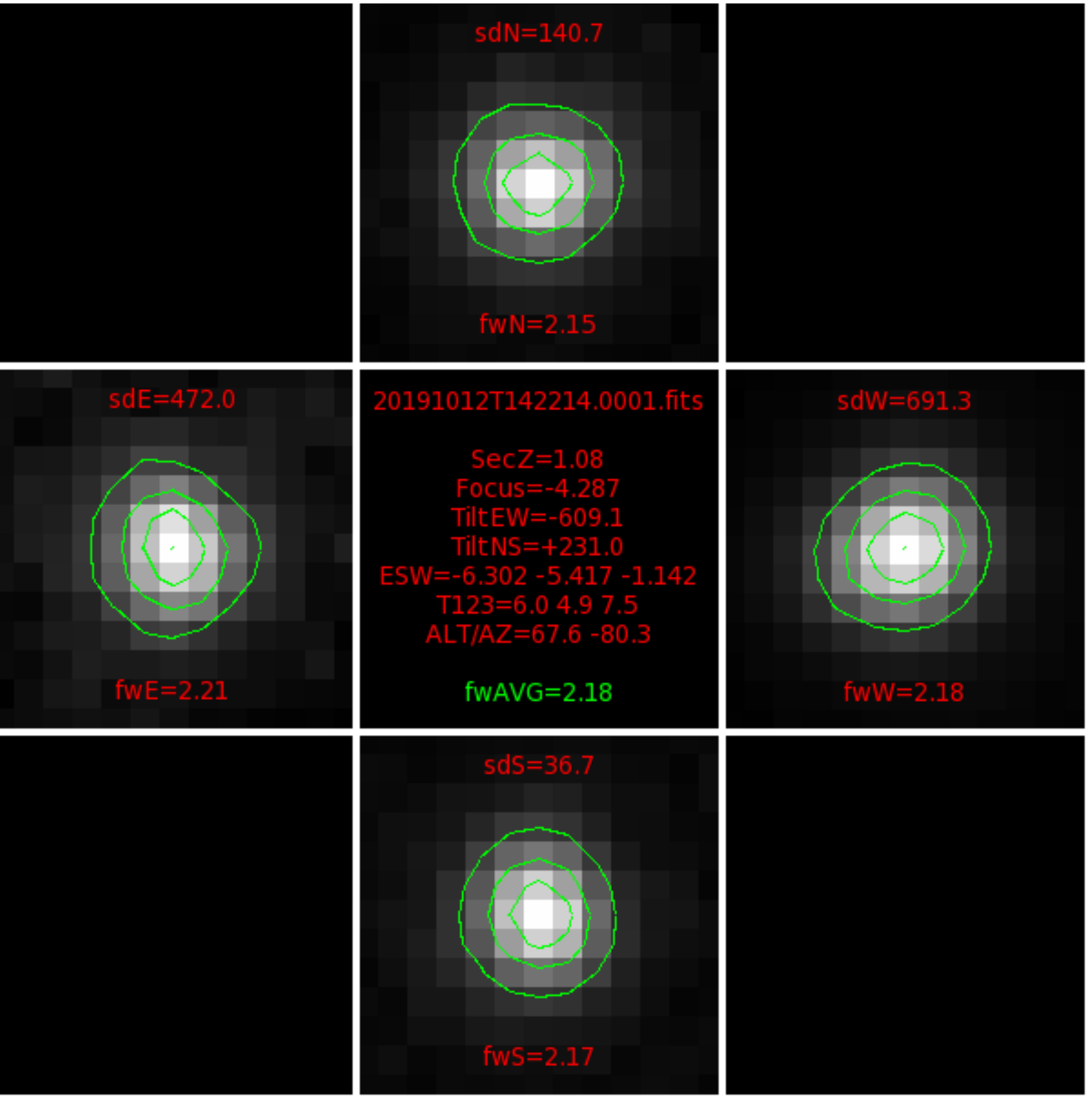
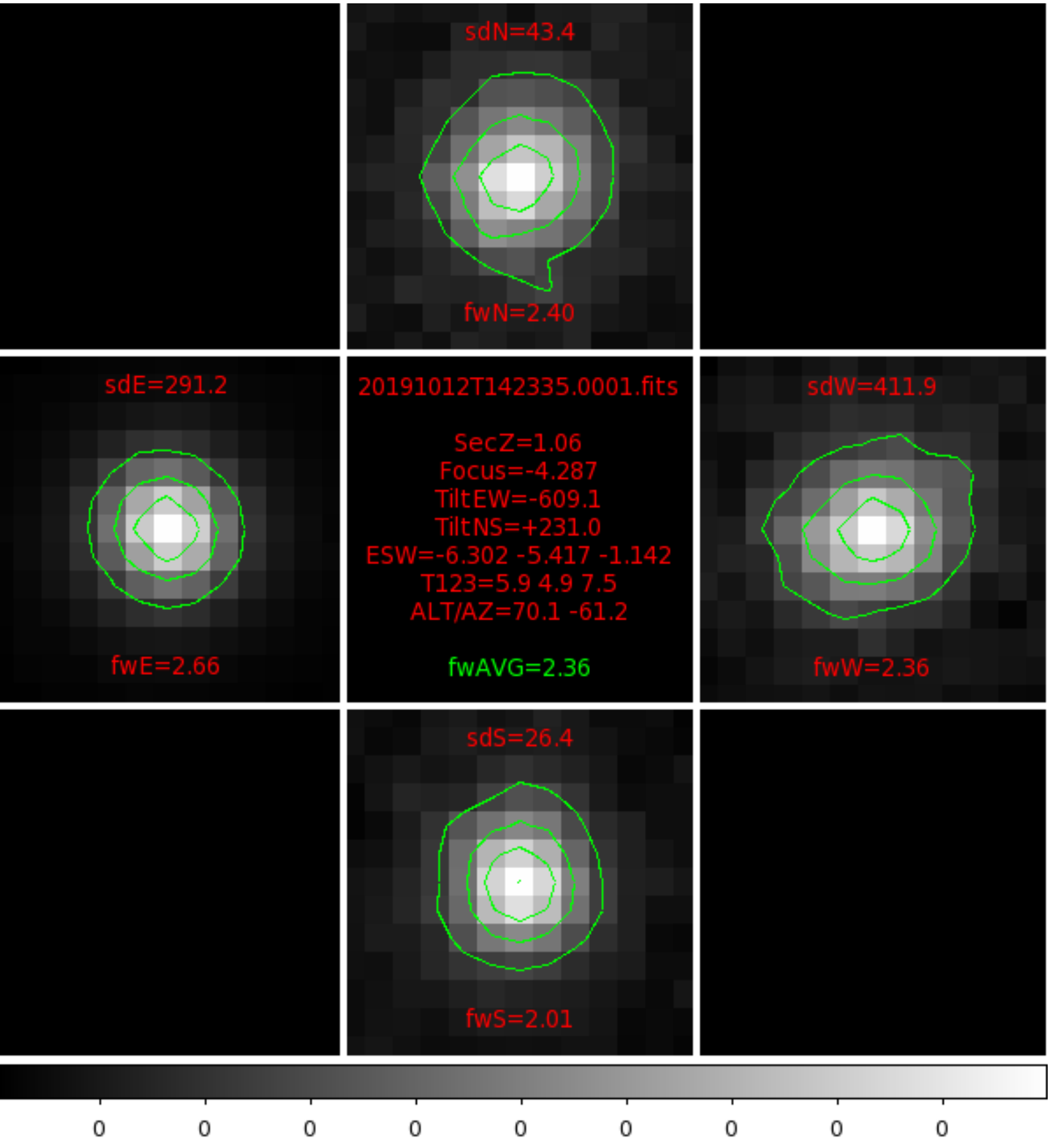
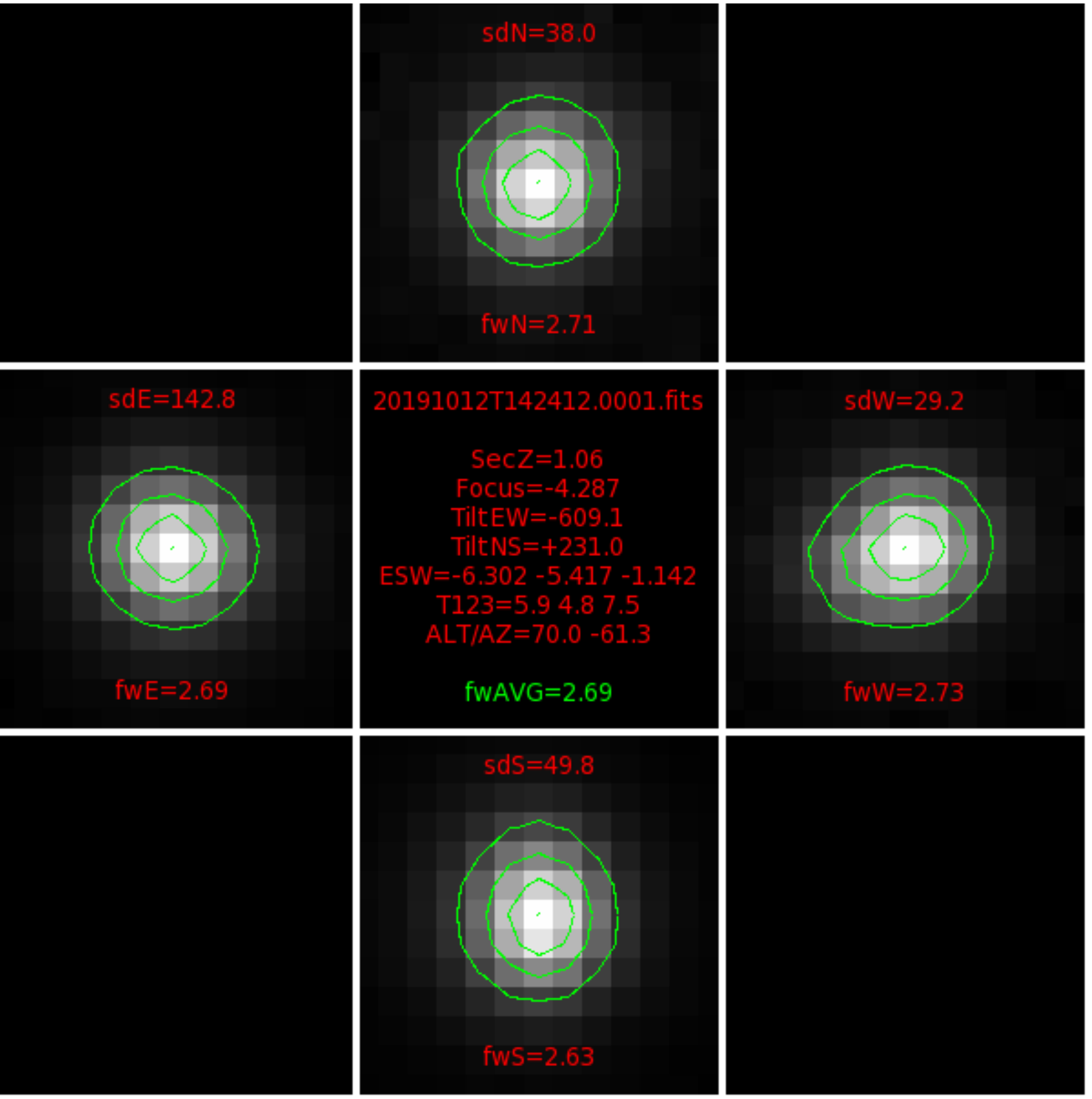

sdN=140.7
fwN=2.15
sdE=472.0
fwE=2.21
20191012T142214.0001.fits
SecZ=1.08
Focus=-4.287
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.302 -5.417 -1.142
T123=6.0 4.9 7.5
ALT/AZ=67.6 -80.3
fwAVG=2.18
sdW=691.3
fwW=2.18
sdS=36.7
fwS=2.17
0 0 0 0 0 0 0 0 0


sdN=43.4
fwN=2.40
sdE=291.2
fwE=2.66
20191012T142335.0001.fits
SecZ=1.06
Focus=-4.287
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.302 -5.417 -1.142
T123=5.9 4.9 7.5
ALT/AZ=70.1 -61.2
fwAVG=2.36
sdW=411.9
fwW=2.36
sdS=26.4
fwS=2.01
0 0 0 0 0 0 0 0 0


sdN=38.0
fwN=2.71
sdE=142.8
fwE=2.69
20191012T142412.0001.fits
SecZ=1.06
Focus=-4.287
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.302 -5.417 -1.142
T123=5.9 4.8 7.5
ALT/AZ=70.0 -61.3
fwAVG=2.69
sdW=29.2
fwW=2.73
sdS=49.8
fwS=2.63
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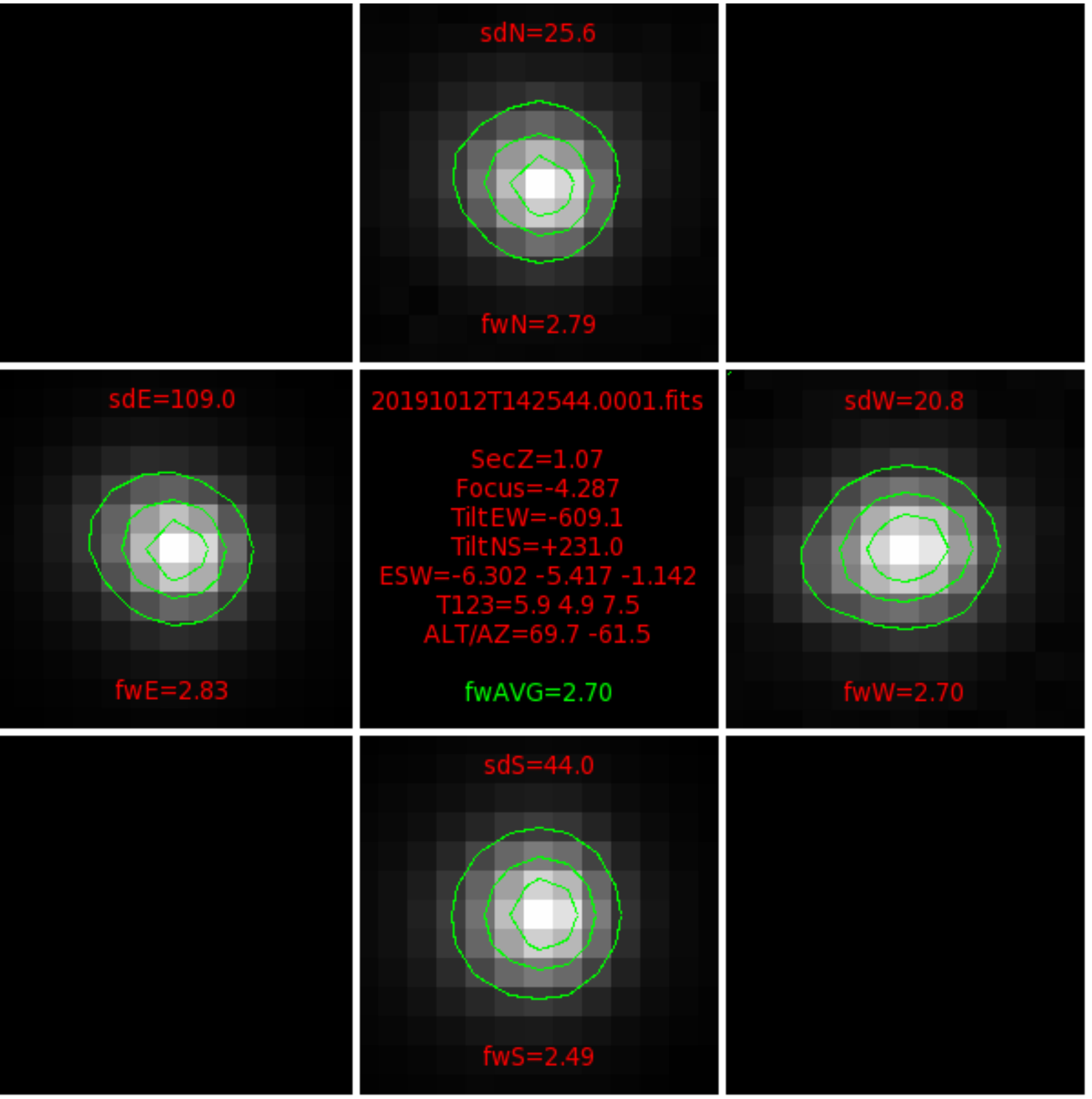
sdN=25.6
fwN=2.79
sdE=109.0
fwE=2.83
20191012T142544.0001.fits
SecZ=1.07
Focus=-4.287
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.302 -5.417 -1.142
T123=5.9 4.9 7.5
ALT/AZ=69.7 -61.5
fwAVG=2.70
sdW=20.8
fwW=2.70
sdS=44.0
fwS=2.49
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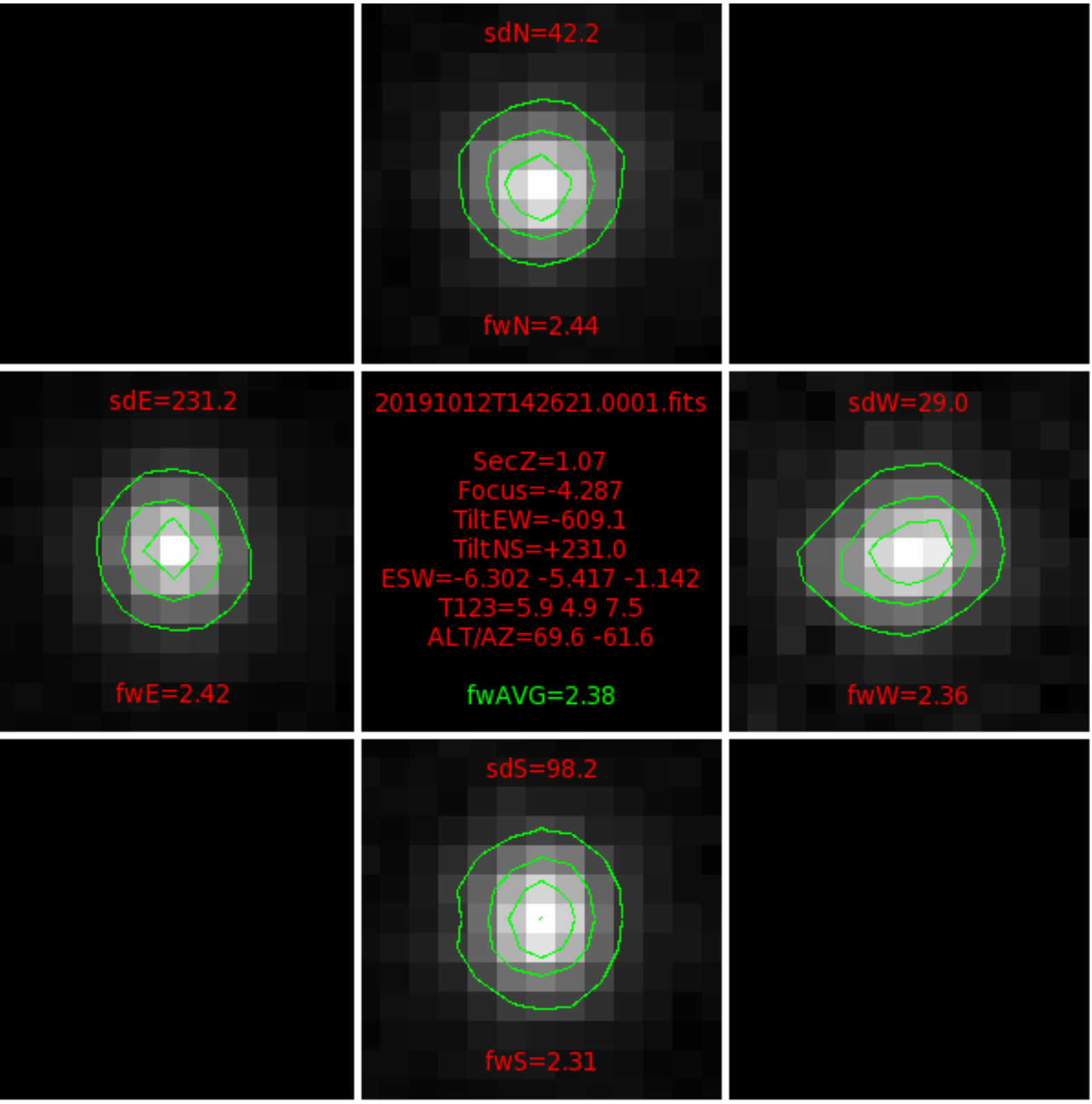
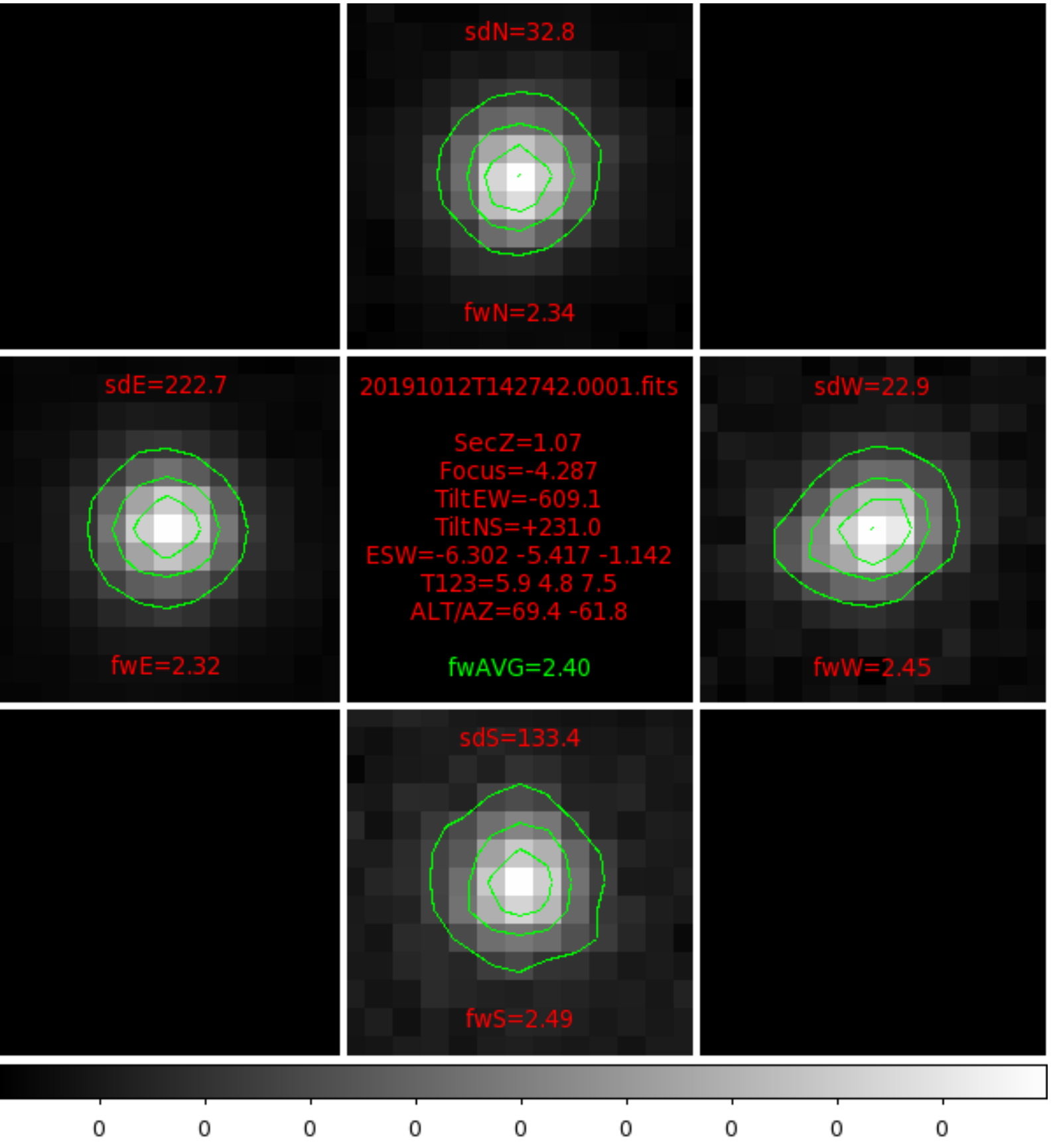
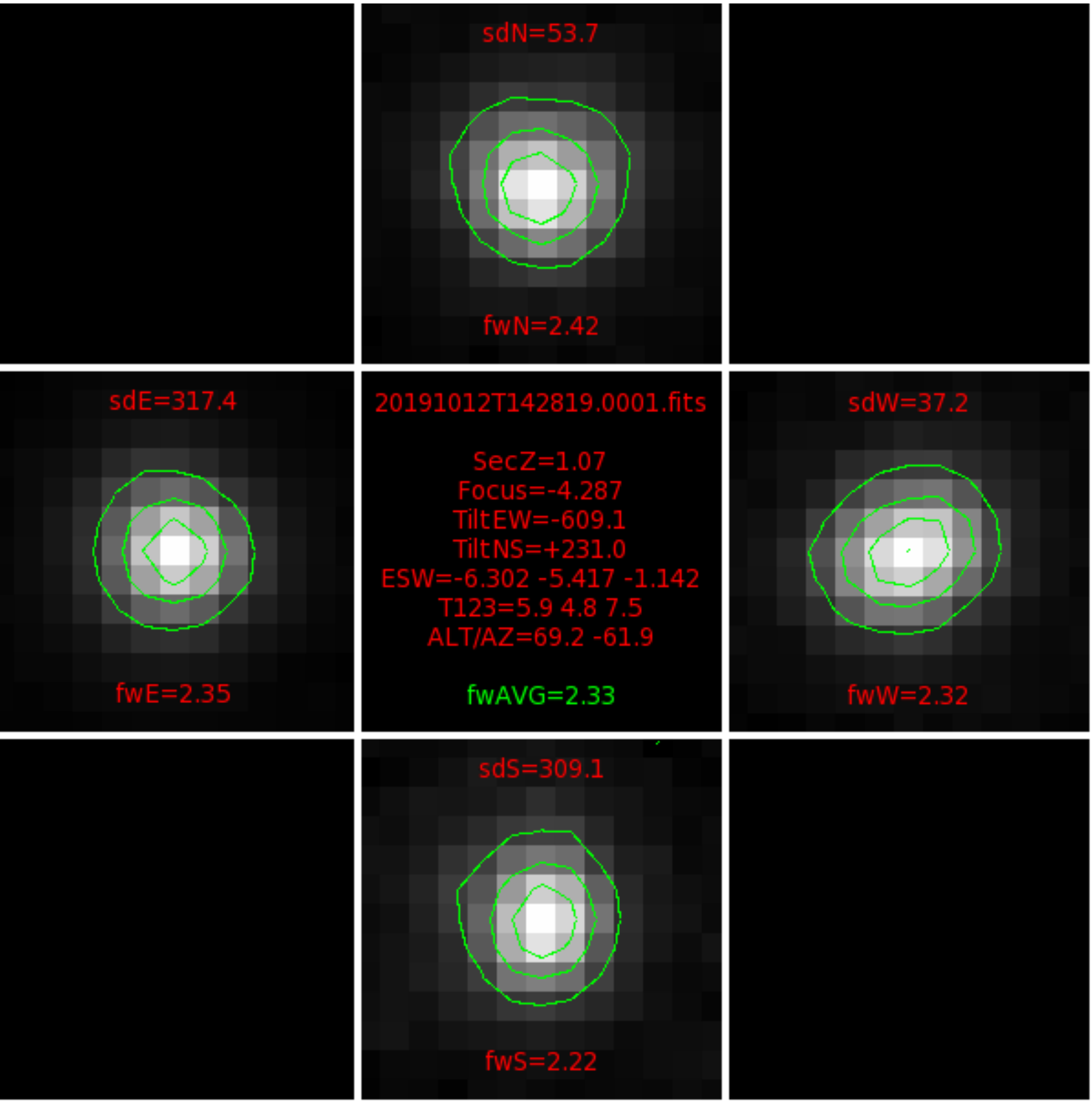

sdN=42.2
fwN=2.44
sdE=231.2
fwE=2.42
20191012T142621.0001.fits
SecZ=1.07
Focus=-4.287
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.302 -5.417 -1.142
T123=5.9 4.9 7.5
ALT/AZ=69.6 -61.6
fwAVG=2.38
sdW=29.0
fwW=2.36
sdS=98.2
fwS=2.31
0 0 0 0 0 0 0 0 0


sdN=32.8
fwN=2.34
sdE=222.7
fwE=2.32
20191012T142742.0001.fits
SecZ=1.07
Focus=-4.287
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.302 -5.417 -1.142
T123=5.9 4.8 7.5
ALT/AZ=69.4 -61.8
fwAVG=2.40
sdW=22.9
fwW=2.45
sdS=133.4
fwS=2.49
0 0 0 0 0 0 0 0 0


sdN=53.7
fwN=2.42
sdE=317.4
fwE=2.35
20191012T142819.0001.fits
SecZ=1.07
Focus=-4.287
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.302 -5.417 -1.142
T123=5.9 4.8 7.5
ALT/AZ=69.2 -61.9
fwAVG=2.33
sdW=37.2
fwW=2.32
sdS=309.1
fwS=2.22
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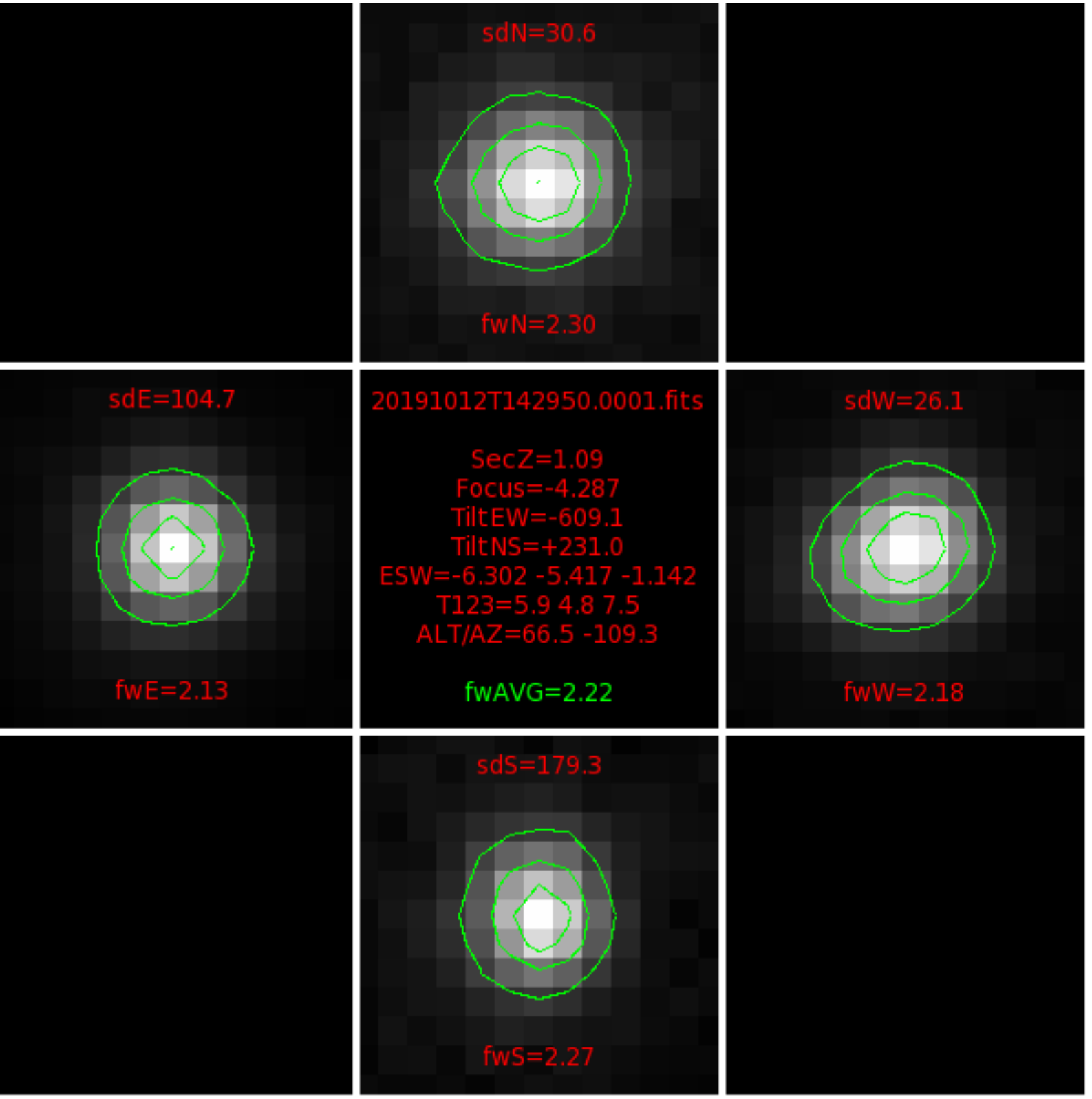
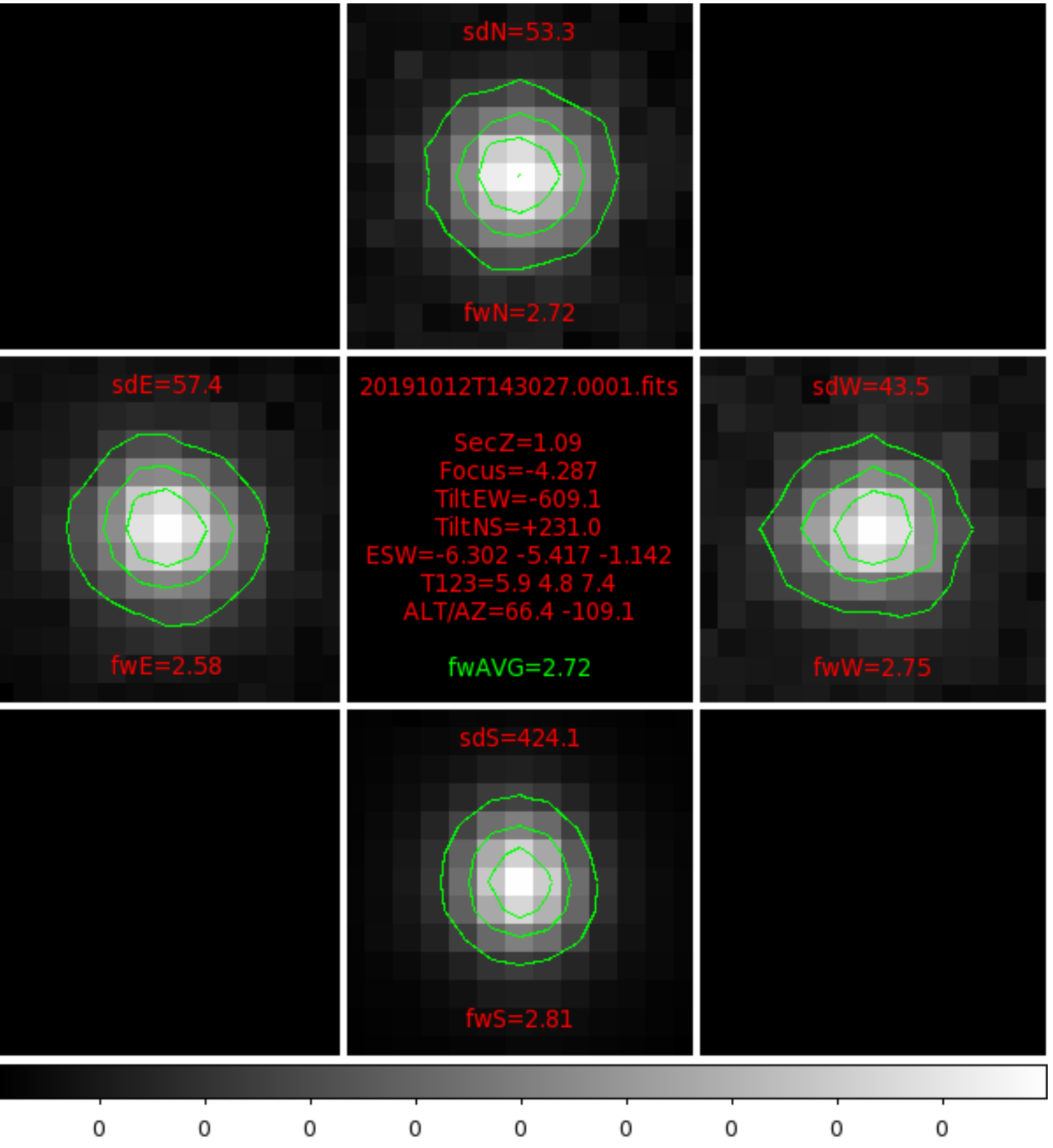
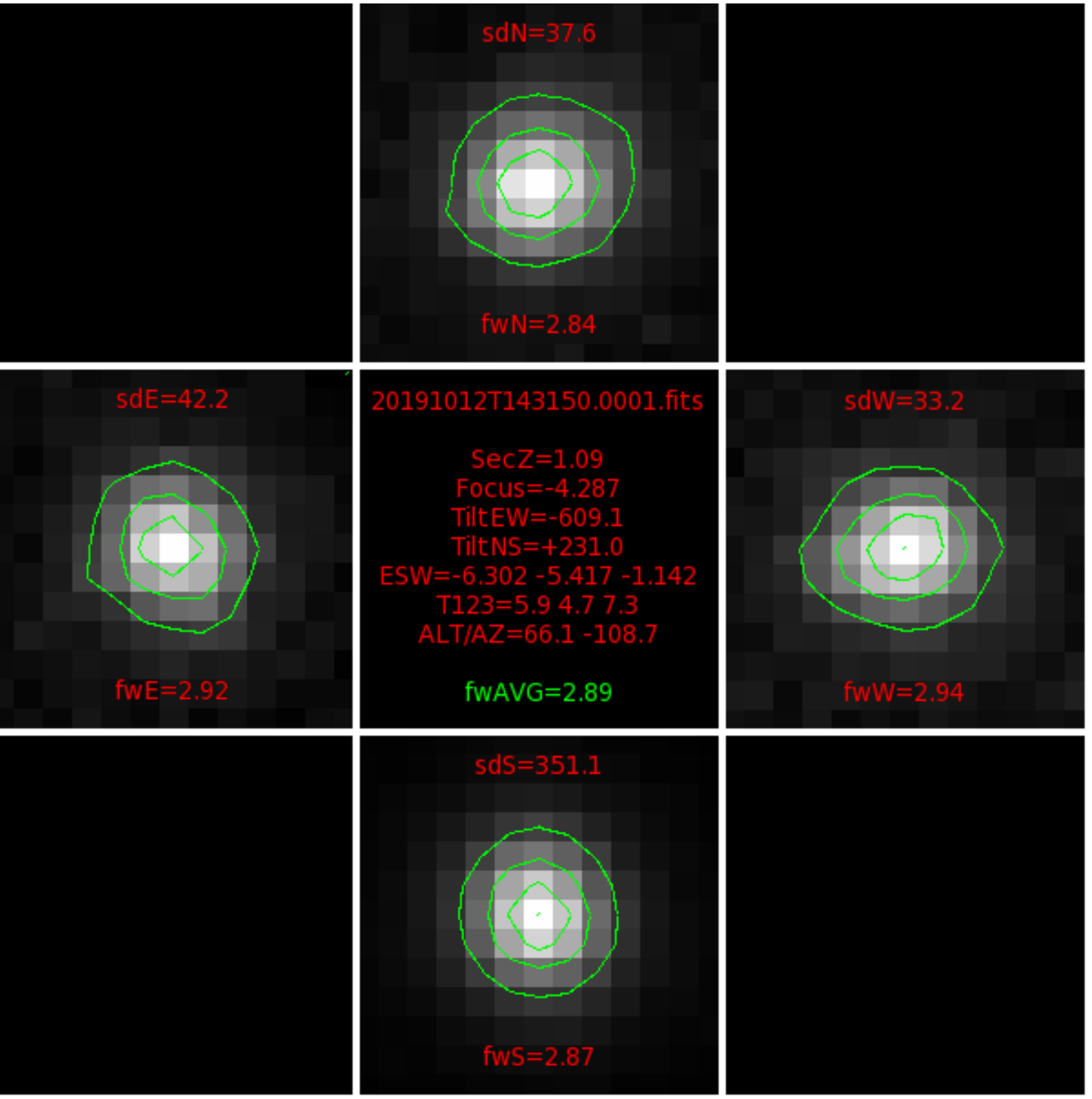

sdN=30.6
fwN=2.30
sdE=104.7
fwE=2.13
20191012T142950.0001.fits
SecZ=1.09
Focus=-4.287
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.302 -5.417 -1.142
T123=5.9 4.8 7.5
ALT/AZ=66.5 -109.3
fwAVG=2.22
sdW=26.1
fwW=2.18
sdS=179.3
fwS=2.27
0 0 0 0 0 0 0 0 0


sdN=53.3
fwN=2.72
sdE=57.4
fwE=2.58
20191012T143027.0001.fits
SecZ=1.09
Focus=-4.287
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.302 -5.417 -1.142
T123=5.9 4.8 7.4
ALT/AZ=66.4 -109.1
fwAVG=2.72
sdW=43.5
fwW=2.75
sdS=424.1
fwS=2.81
0 0 0 0 0 0 0 0 0


sdN=37.6
fwN=2.84
sdE=42.2
fwE=2.92
20191012T143150.0001.fits
SecZ=1.09
Focus=-4.287
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.302 -5.417 -1.142
T123=5.9 4.7 7.3
ALT/AZ=66.1 -108.7
fwAVG=2.89
sdW=33.2
fwW=2.94
sdS=351.1
fwS=2.87
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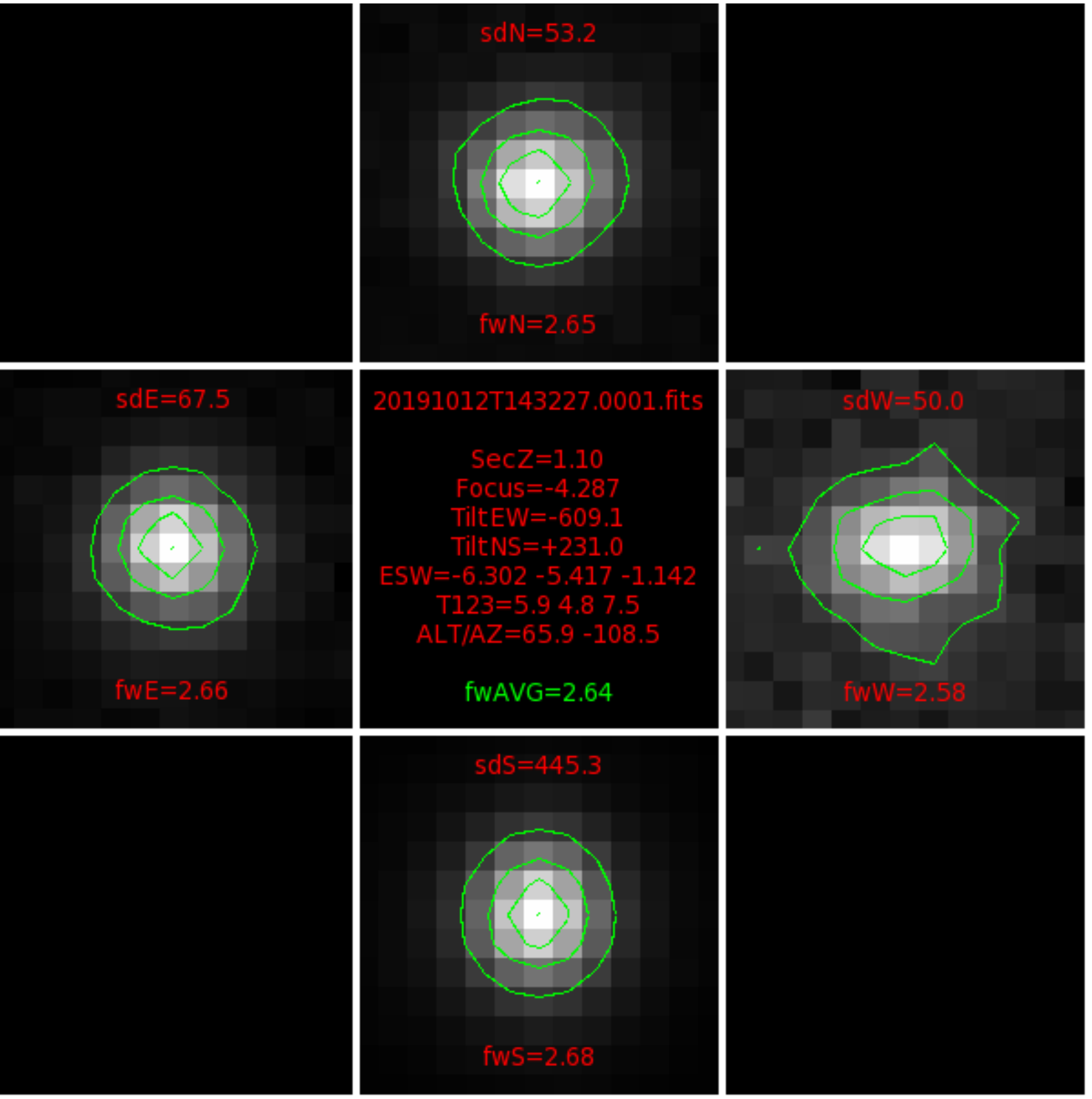
sdN=53.2
fwN=2.65
sdE=67.5
fwE=2.66
20191012T143227.0001.fits
SecZ=1.10
Focus=-4.287
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.302 -5.417 -1.142
T123=5.9 4.8 7.5
ALT/AZ=65.9 -108.5
fwAVG=2.64
sdW=50.0
fwW=2.58
sdS=445.3
fwS=2.68
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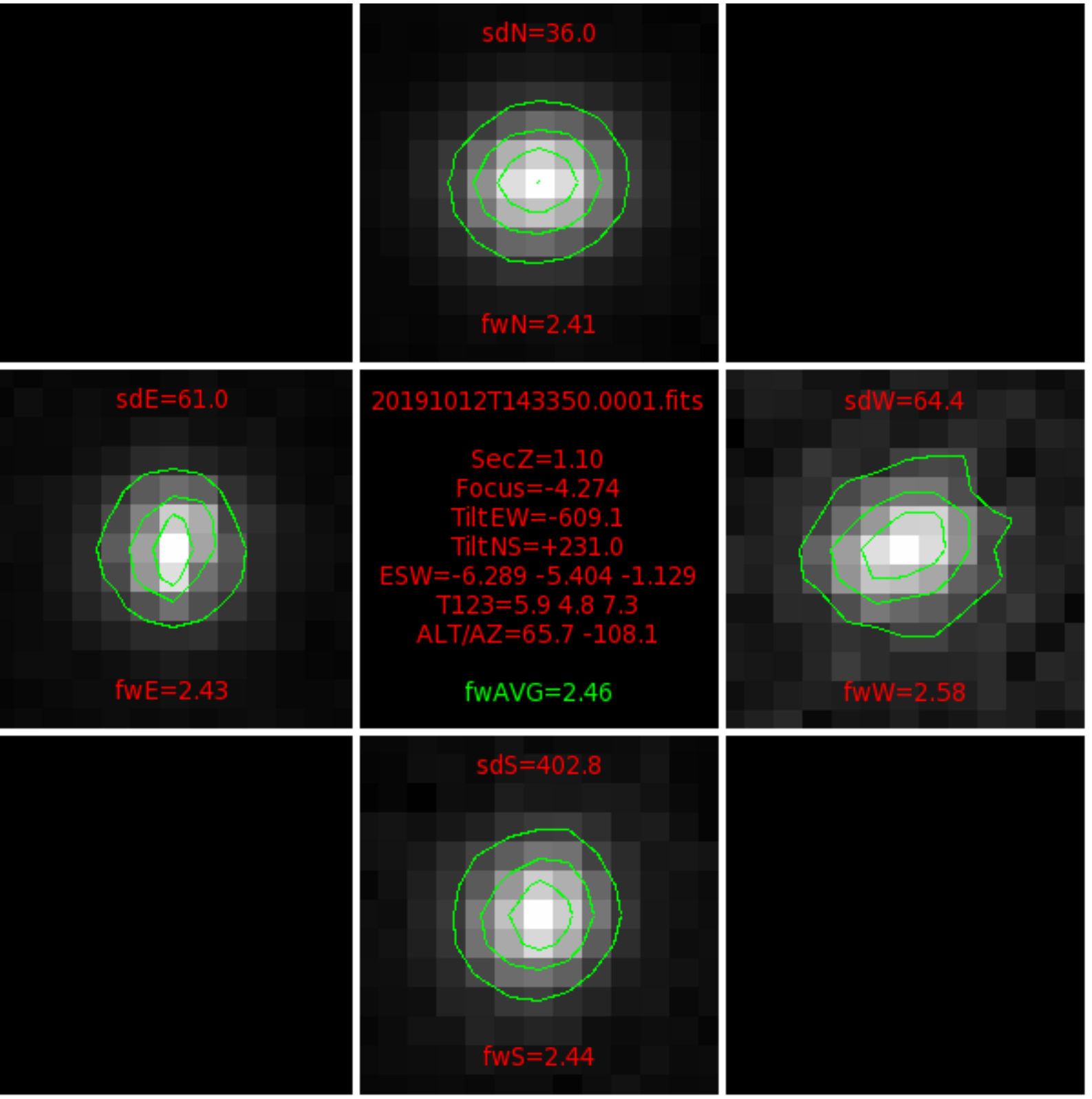
sdN=36.0
fwN=2.41
sdE=61.0
fwE=2.43
20191012T143350.0001.fits
SecZ=1.10
Focus=-4.274
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.289 -5.404 -1.129
T123=5.9 4.8 7.3
ALT/AZ=65.7 -108.1
fwAVG=2.46
sdW=64.4
fwW=2.58
sdS=402.8
fwS=2.44
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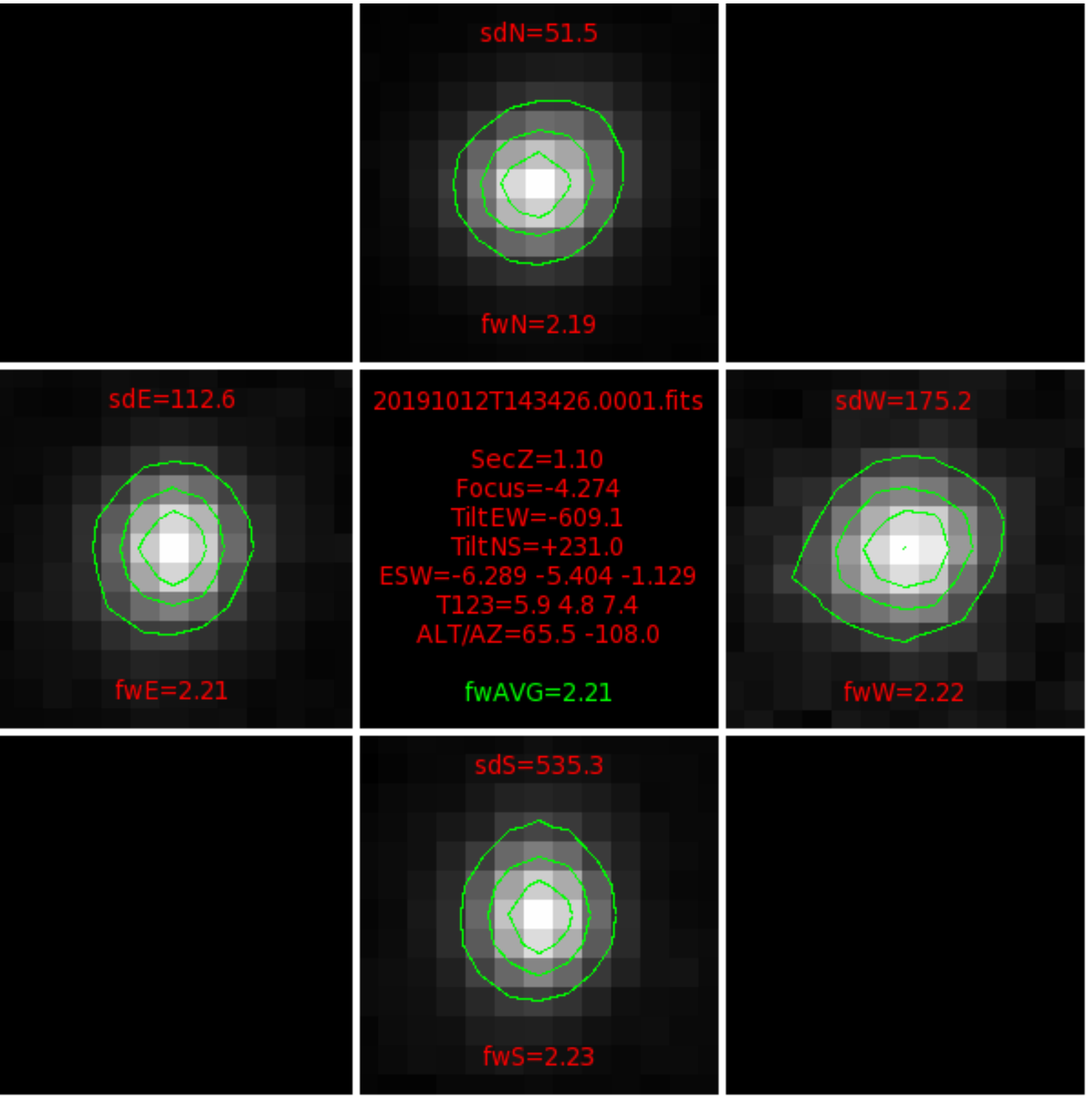
sdN=51.5
fwN=2.19
sdE=112.6
fwE=2.21
20191012T143426.0001.fits
SecZ=1.10
Focus=-4.274
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.289 -5.404 -1.129
T123=5.9 4.8 7.4
ALT/AZ=65.5 -108.0
fwAVG=2.21
sdW=175.2
fwW=2.22
sdS=535.3
fwS=2.23
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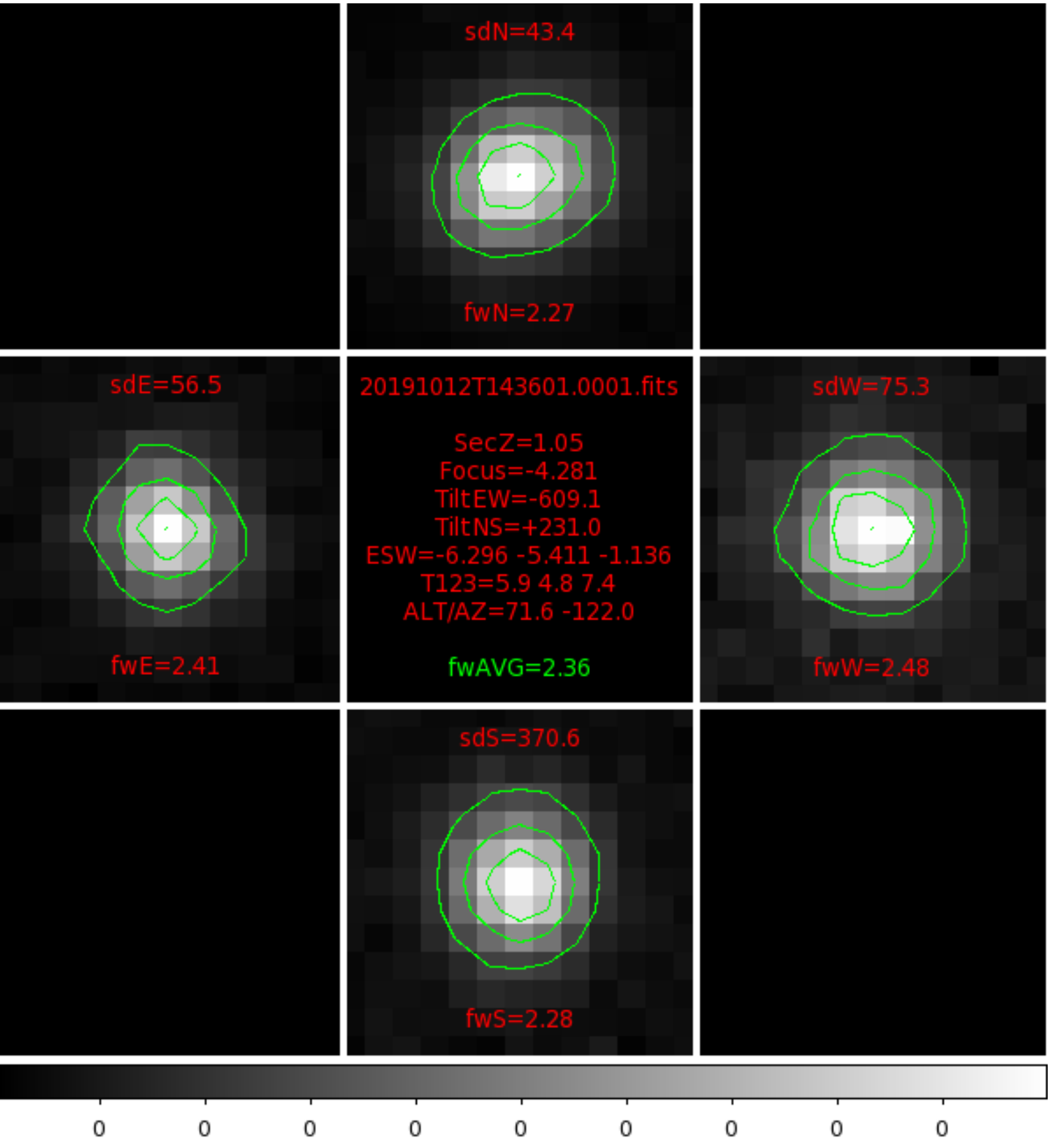
sdN=43.4
fwN=2.27
sdE=56.5
fwE=2.41
20191012T143601.0001.fits
SecZ=1.05
Focus=-4.281
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.296 -5.411 -1.136
T123=5.9 4.8 7.4
ALT/AZ=71.6 -122.0
fwAVG=2.36
sdW=75.3
fwW=2.48
sdS=370.6
fwS=2.28
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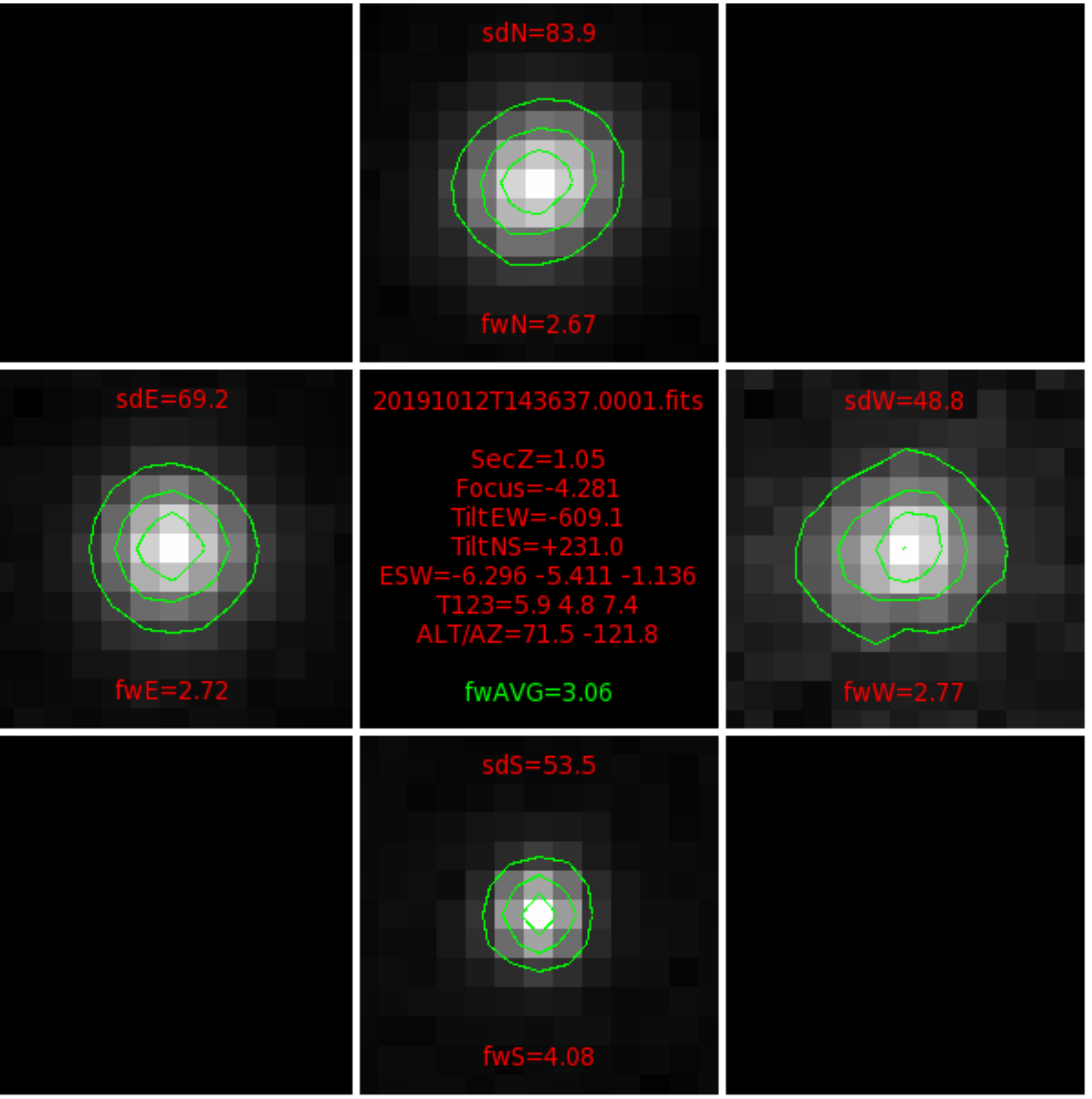
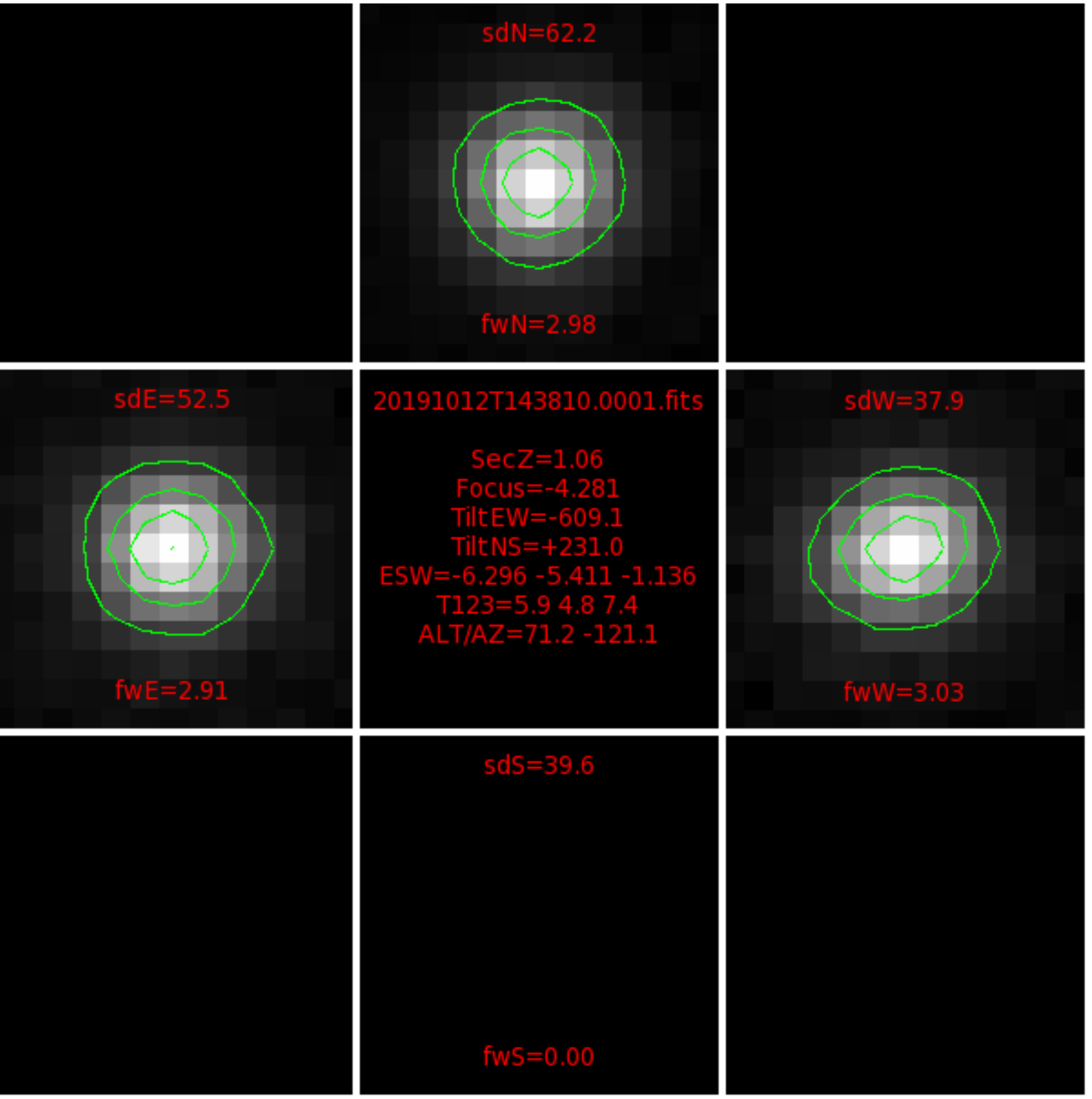
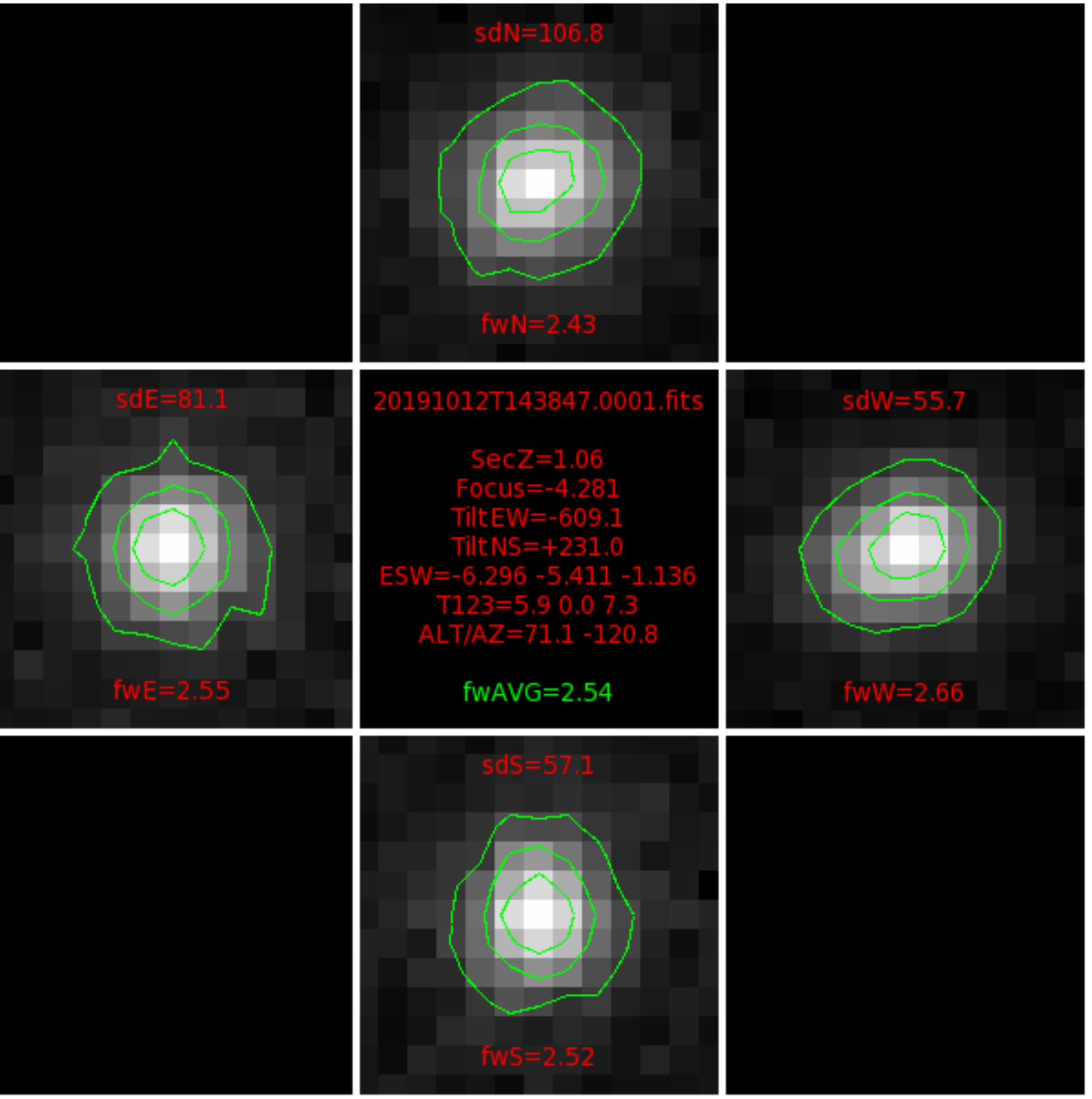
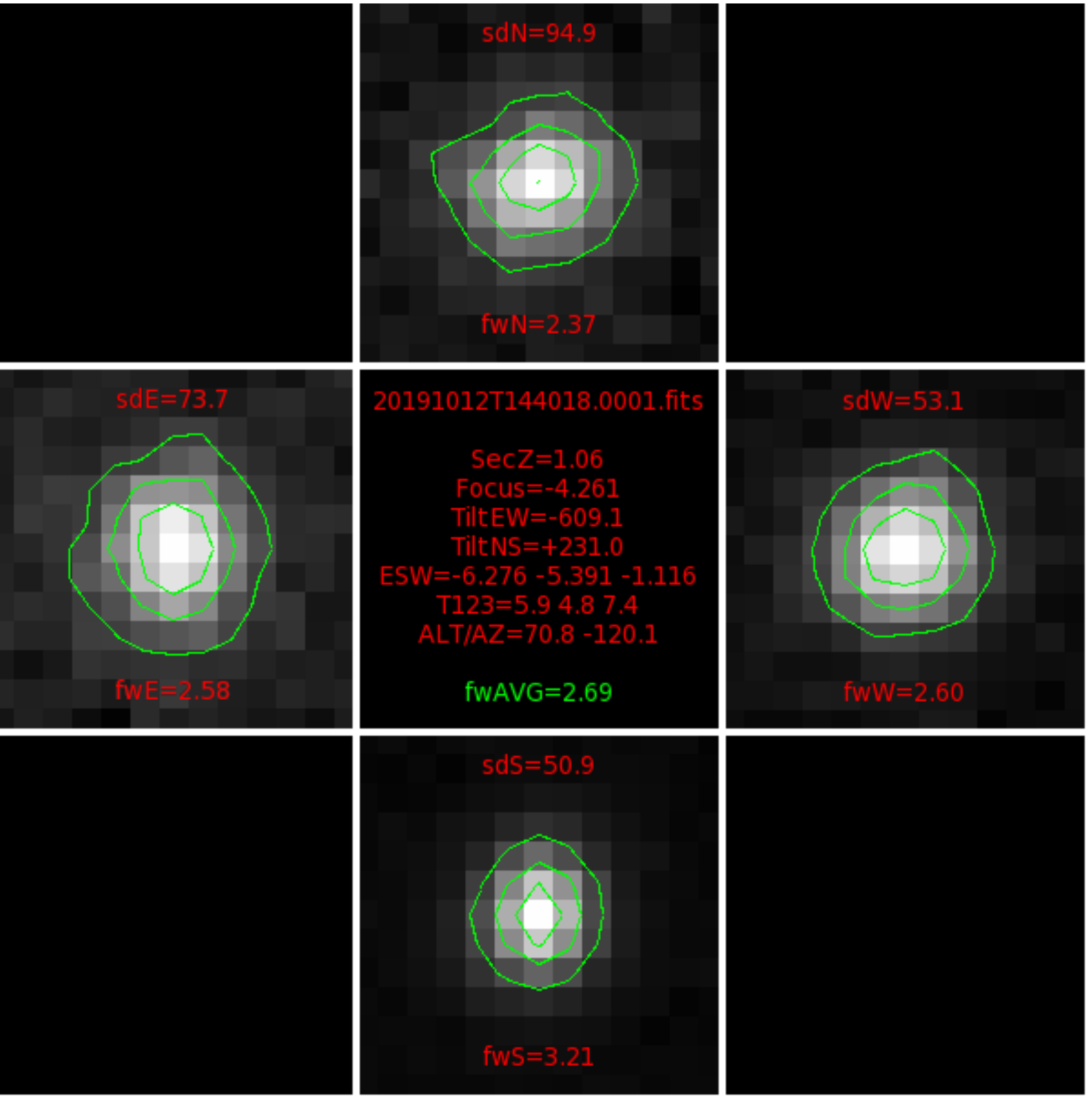

sdN=83.9
fwN=2.67
sdE=69.2
fwE=2.72
20191012T143637.0001.fits
SecZ=1.05
Focus=-4.281
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.296 -5.411 -1.136
T123=5.9 4.8 7.4
ALT/AZ=71.5 -121.8
fwAVG=3.06
sdW=48.8
fwW=2.77
sdS=53.5
fwS=4.08
0 0 0 0 0 0 0 0 0


sdN=62.2
fwN=2.98
sdE=52.5
fwE=2.91
20191012T143810.0001.fits
SecZ=1.06
Focus=-4.281
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.296 -5.411 -1.136
T123=5.9 4.8 7.4
ALT/AZ=71.2 -121.1
sdW=37.9
fwW=3.03
sdS=39.6
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=106.8
fwN=2.43
sdE=81.1
fwE=2.55
20191012T143847.0001.fits
SecZ=1.06
Focus=-4.281
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.296 -5.411 -1.136
T123=5.9 0.0 7.3
ALT/AZ=71.1 -120.8
fwAVG=2.54
sdW=55.7
fwW=2.66
sdS=57.1
fwS=2.52
0 0 0 0 0 0 0 0 0


sdN=94.9
fwN=2.37
sdE=73.7
fwE=2.58
20191012T144018.0001.fits
SecZ=1.06
Focus=-4.261
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.276 -5.391 -1.116
T123=5.9 4.8 7.4
ALT/AZ=70.8 -120.1
fwAVG=2.69
sdW=53.1
fwW=2.60
sdS=50.9
fwS=3.21
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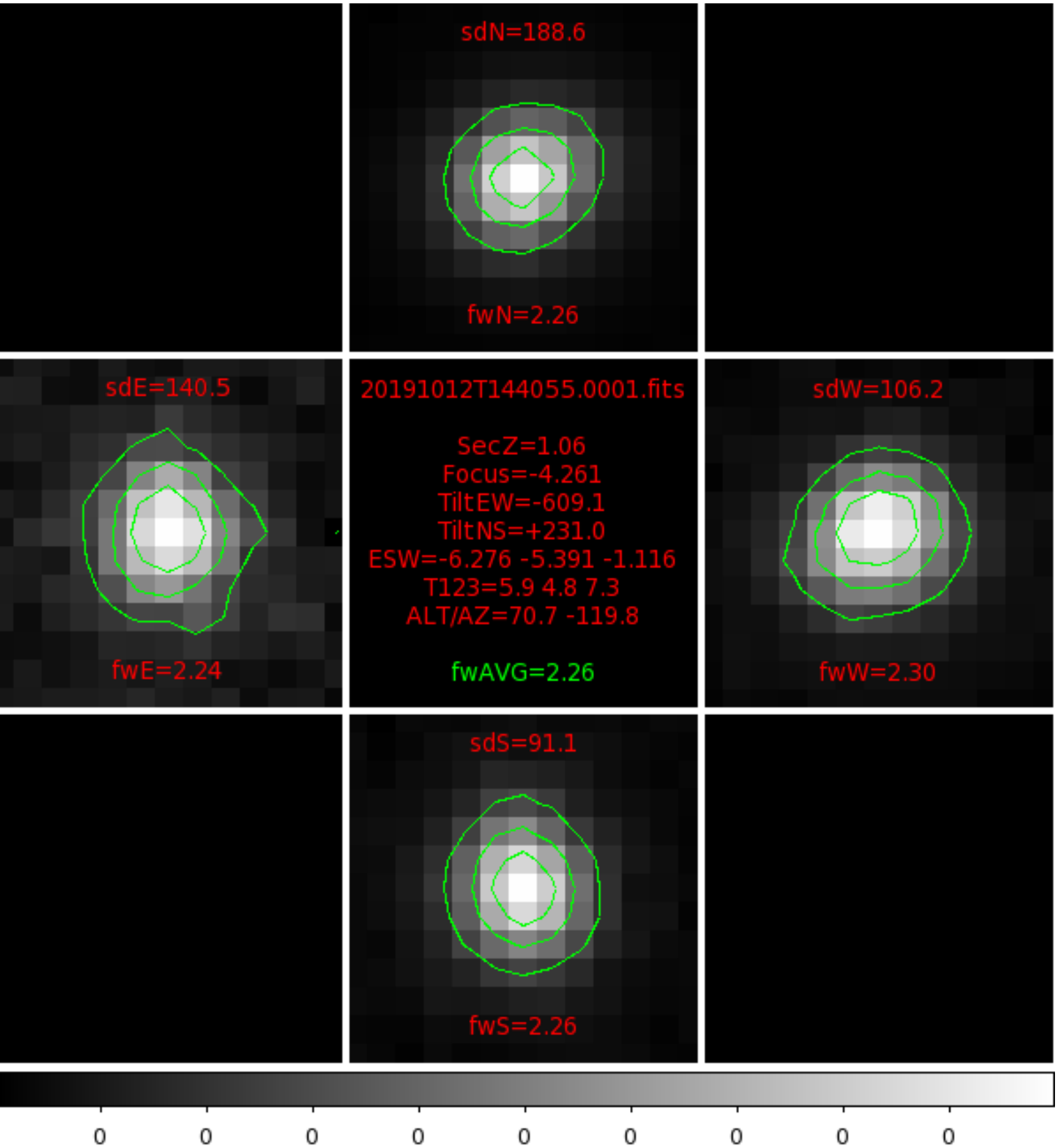
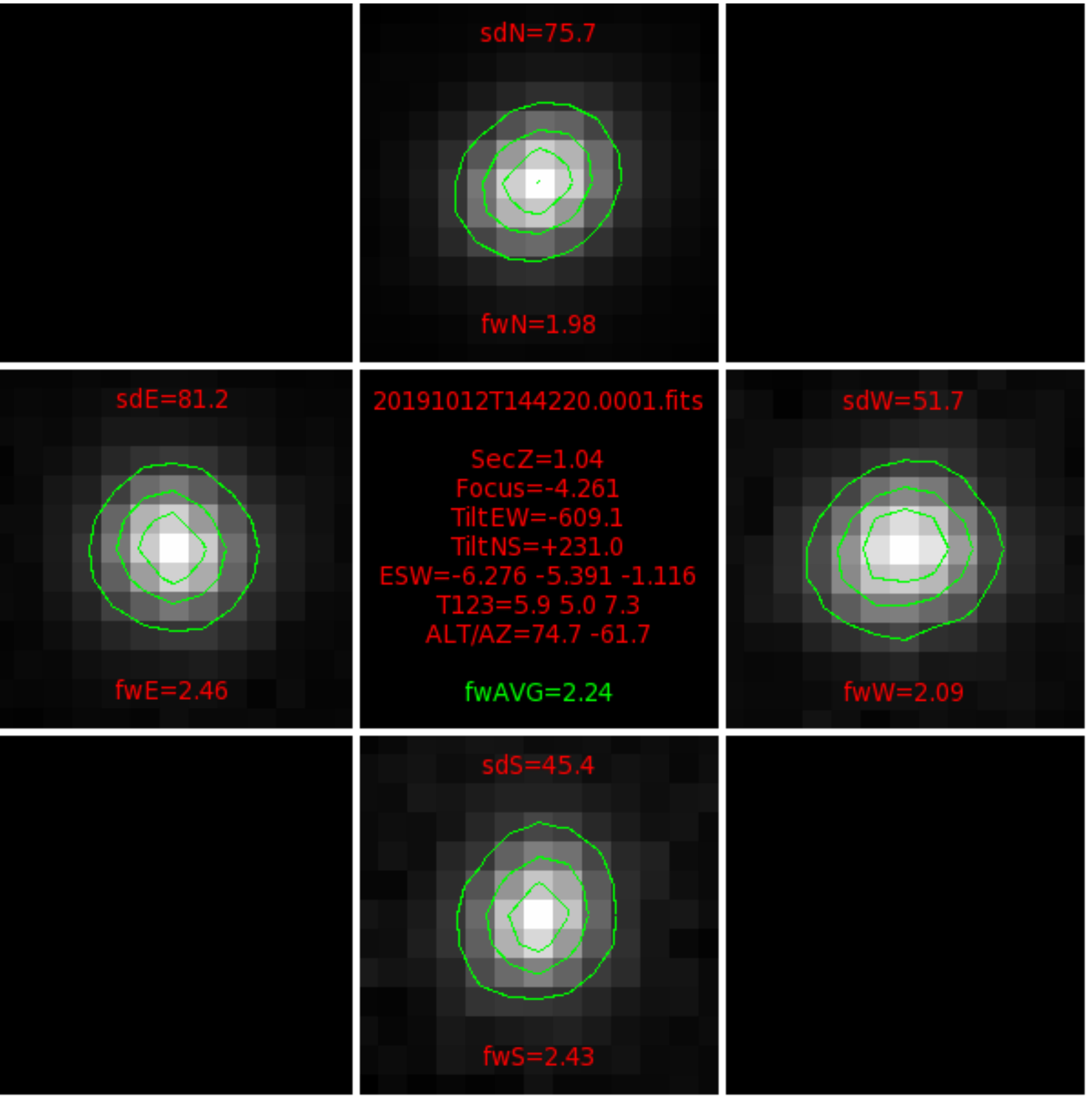

sdN=188.6
fwN=2.26
sdE=140.5
fwE=2.24
20191012T144055.0001.fits
SecZ=1.06
Focus=-4.261
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.276 -5.391 -1.116
T123=5.9 4.8 7.3
ALT/AZ=70.7 -119.8
fwAVG=2.26
sdW=106.2
fwW=2.30
sdS=91.1
fwS=2.26
0 0 0 0 0 0 0 0 0


sdN=75.7
fwN=1.98
sdE=81.2
fwE=2.46
20191012T144220.0001.fits
SecZ=1.04
Focus=-4.261
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.276 -5.391 -1.116
T123=5.9 5.0 7.3
ALT/AZ=74.7 -61.7
fwAVG=2.24
sdW=51.7
fwW=2.09
sdS=45.4
fwS=2.43
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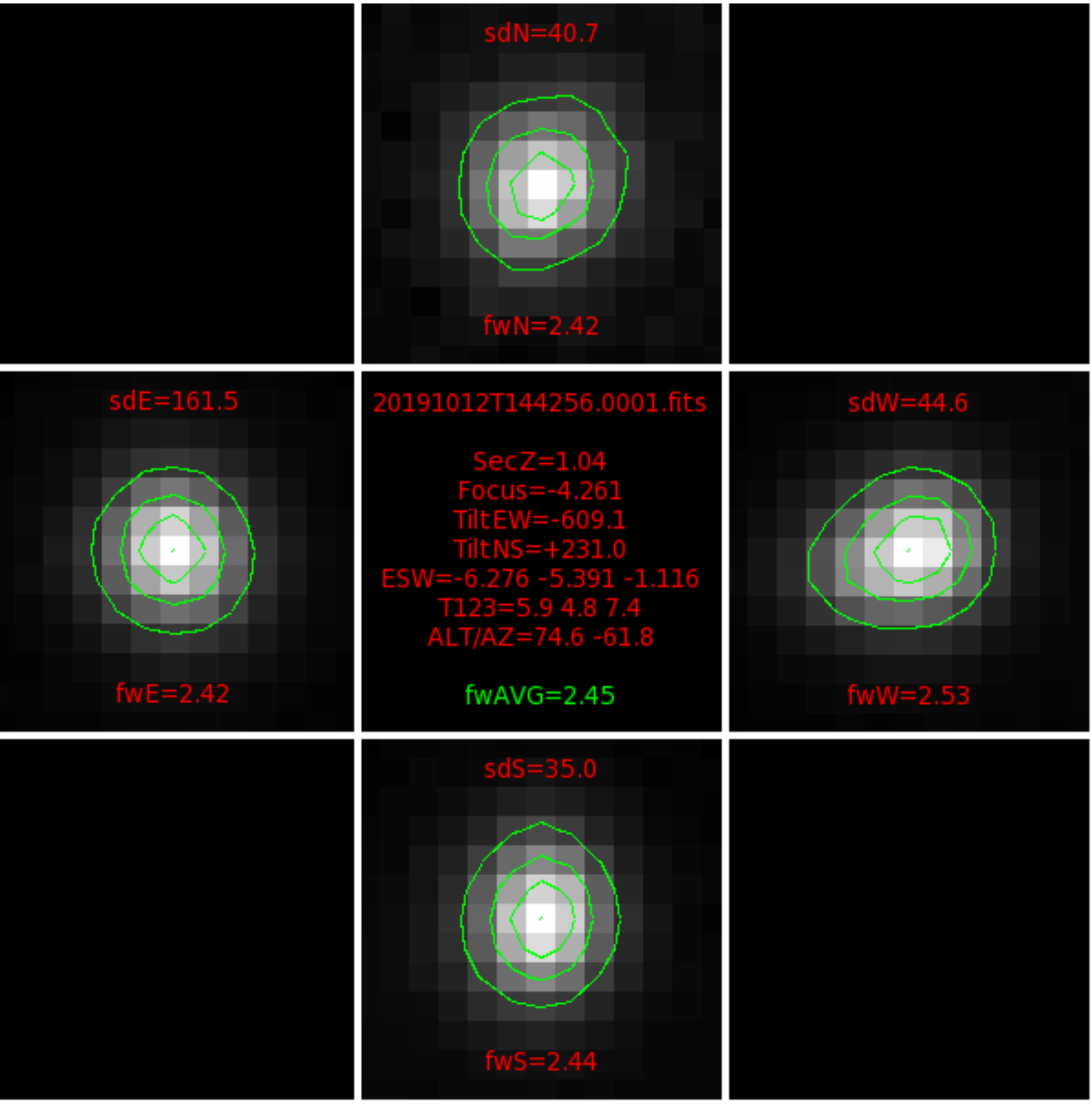
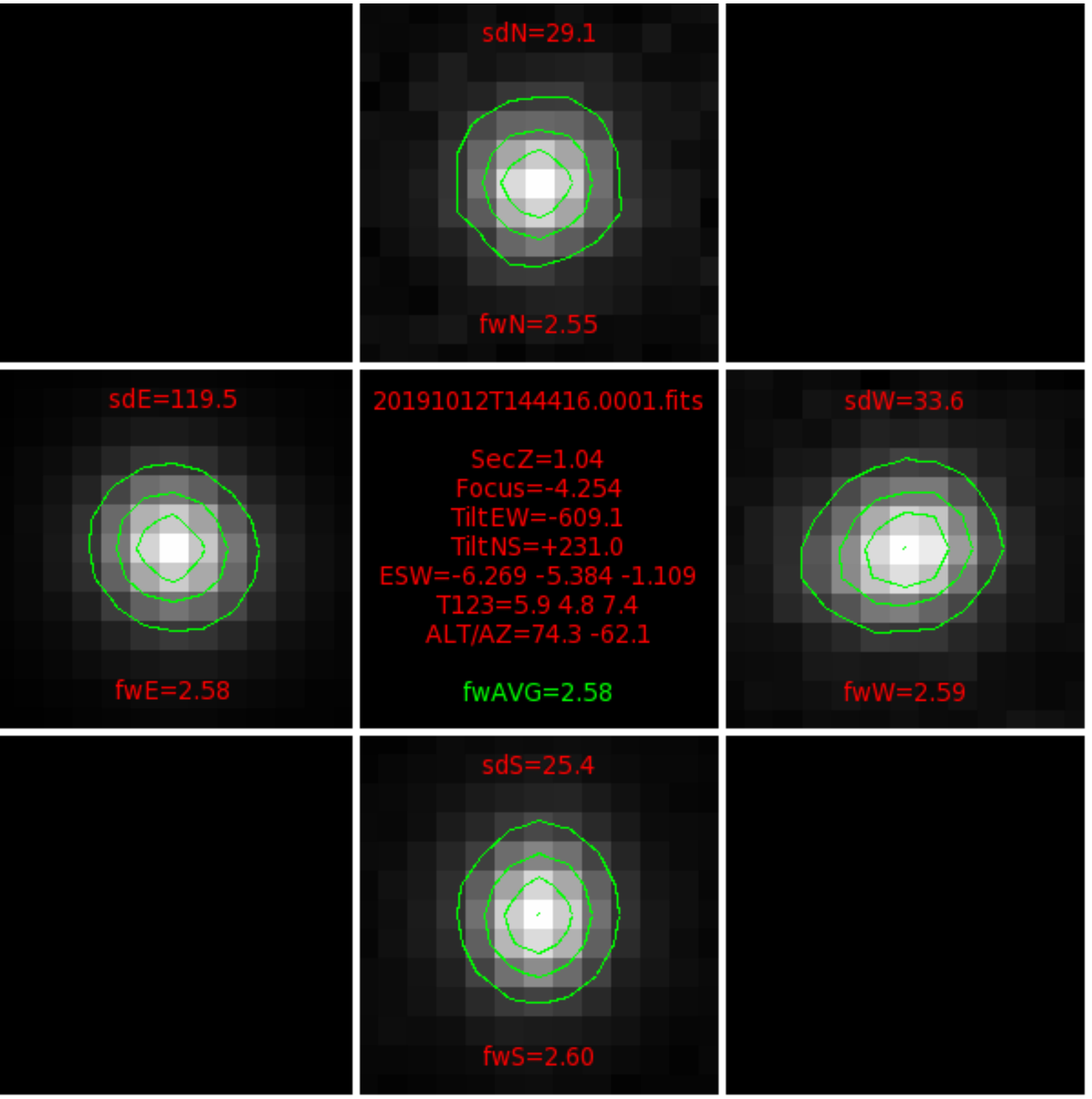

sdN=40.7
fwN=2.42
sdE=161.5
fwE=2.42
20191012T144256.0001.fits
SecZ=1.04
Focus=-4.261
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.276 -5.391 -1.116
T123=5.9 4.8 7.4
ALT/AZ=74.6 -61.8
fwAVG=2.45
sdW=44.6
fwW=2.53
sdS=35.0
fwS=2.44
0 0 0 0 0 0 0 0 0


sdN=29.1
fwN=2.55
sdE=119.5
fwE=2.58
20191012T144416.0001.fits
SecZ=1.04
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.8 7.4
ALT/AZ=74.3 -62.1
fwAVG=2.58
sdW=33.6
fwW=2.59
sdS=25.4
fwS=2.60
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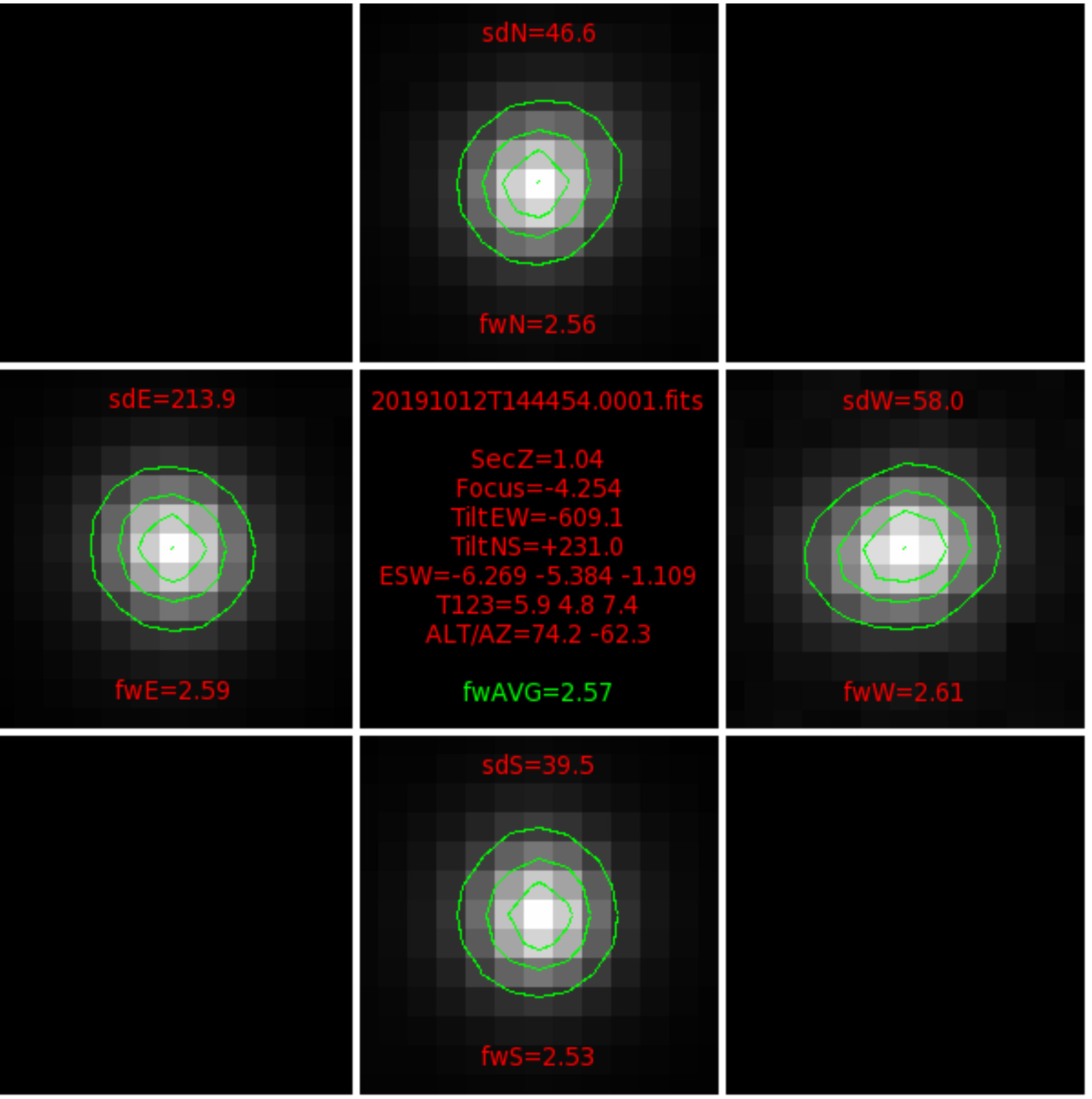
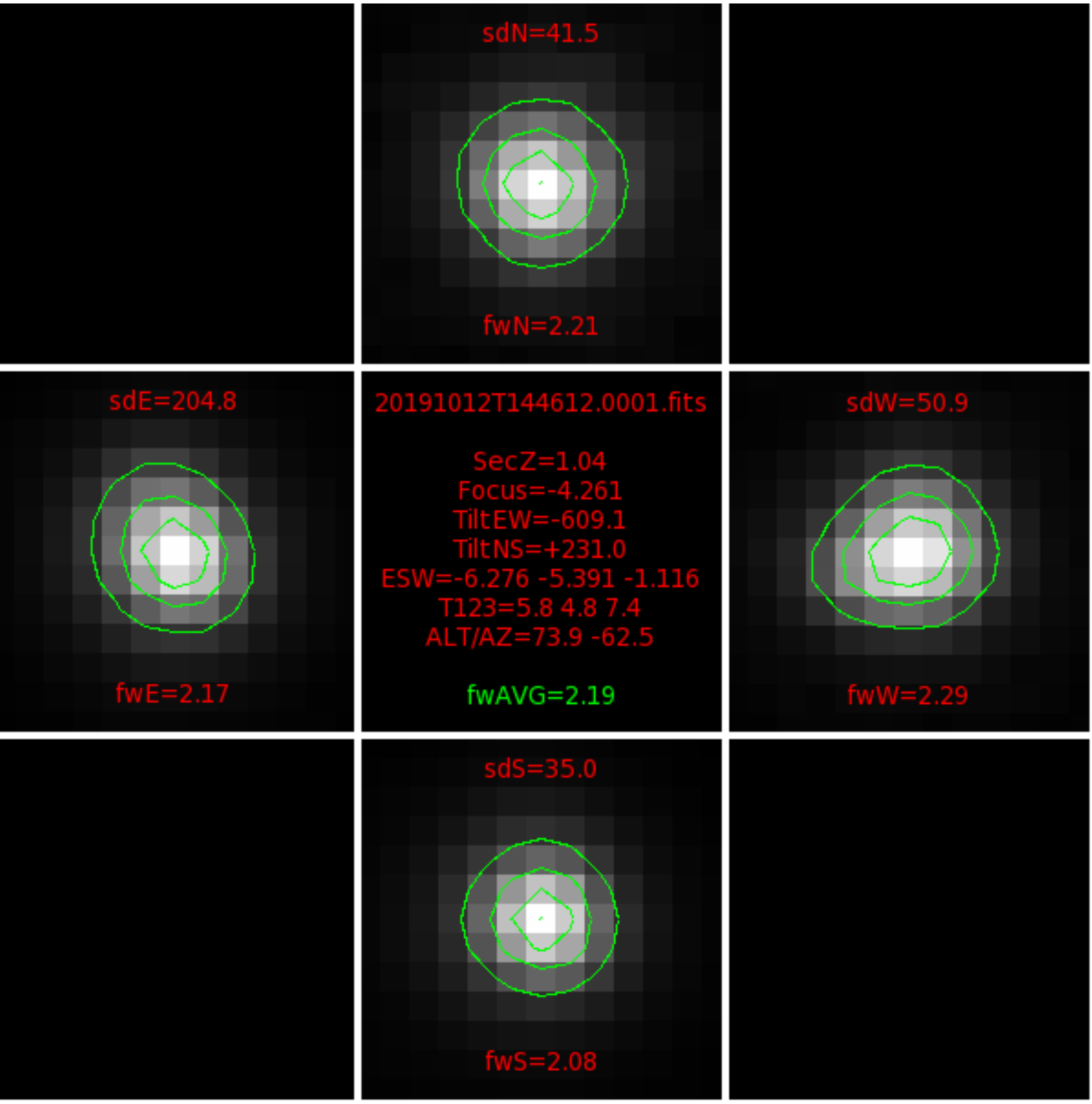
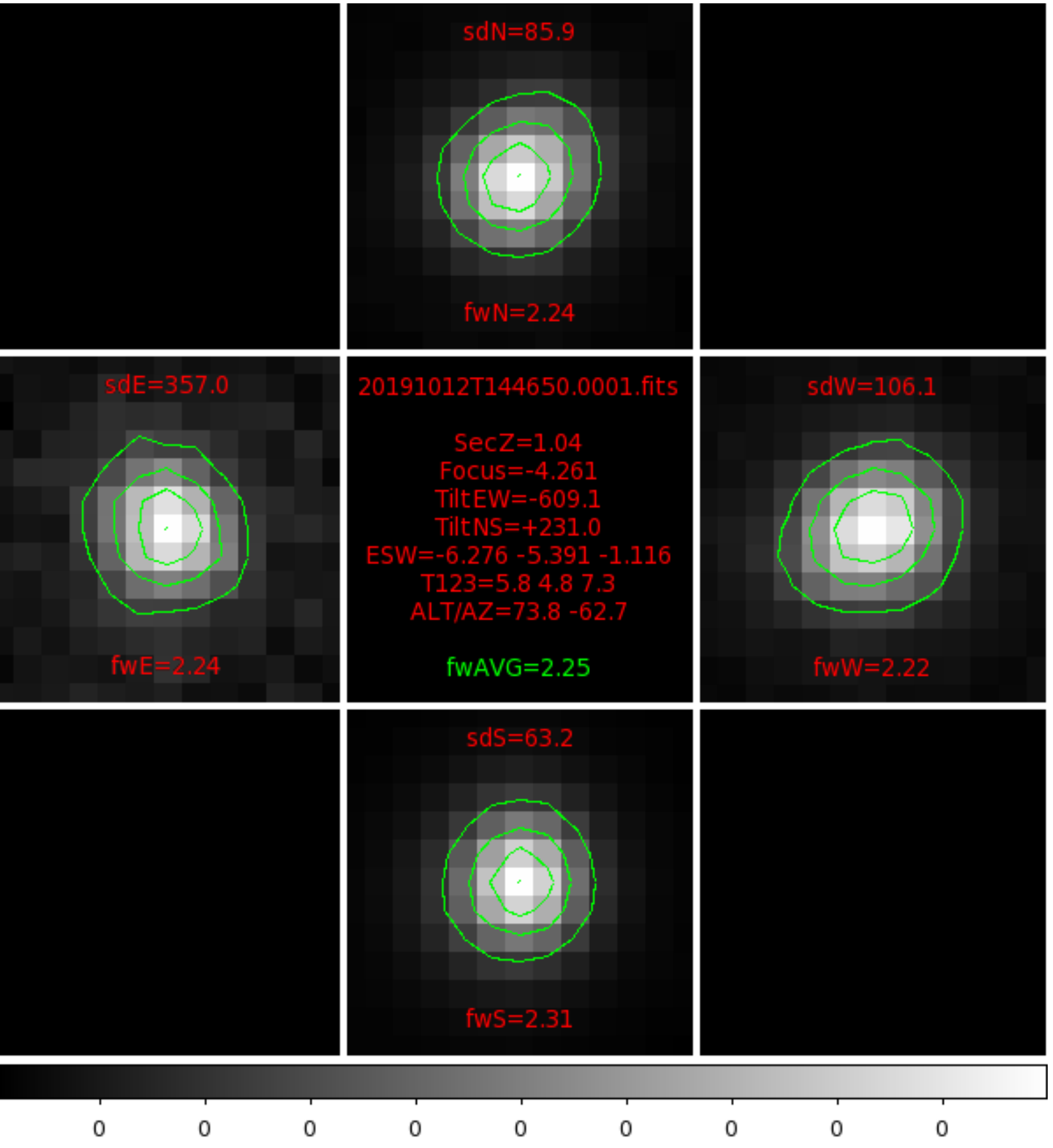

sdN=46.6
fwN=2.56
sdE=213.9
fwE=2.59
20191012T144454.0001.fits
SecZ=1.04
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.8 7.4
ALT/AZ=74.2 -62.3
fwAVG=2.57
sdW=58.0
fwW=2.61
sdS=39.5
fwS=2.53
0 0 0 0 0 0 0 0 0


sdN=41.5
fwN=2.21
sdE=204.8
fwE=2.17
20191012T144612.0001.fits
SecZ=1.04
Focus=-4.261
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.276 -5.391 -1.116
T123=5.8 4.8 7.4
ALT/AZ=73.9 -62.5
fwAVG=2.19
sdW=50.9
fwW=2.29
sdS=35.0
fwS=2.08
0 0 0 0 0 0 0 0 0


sdN=85.9
fwN=2.24
sdE=357.0
fwE=2.24
20191012T144650.0001.fits
SecZ=1.04
Focus=-4.261
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.276 -5.391 -1.116
T123=5.8 4.8 7.3
ALT/AZ=73.8 -62.7
fwAVG=2.25
sdW=106.1
fwW=2.22
sdS=63.2
fwS=2.31
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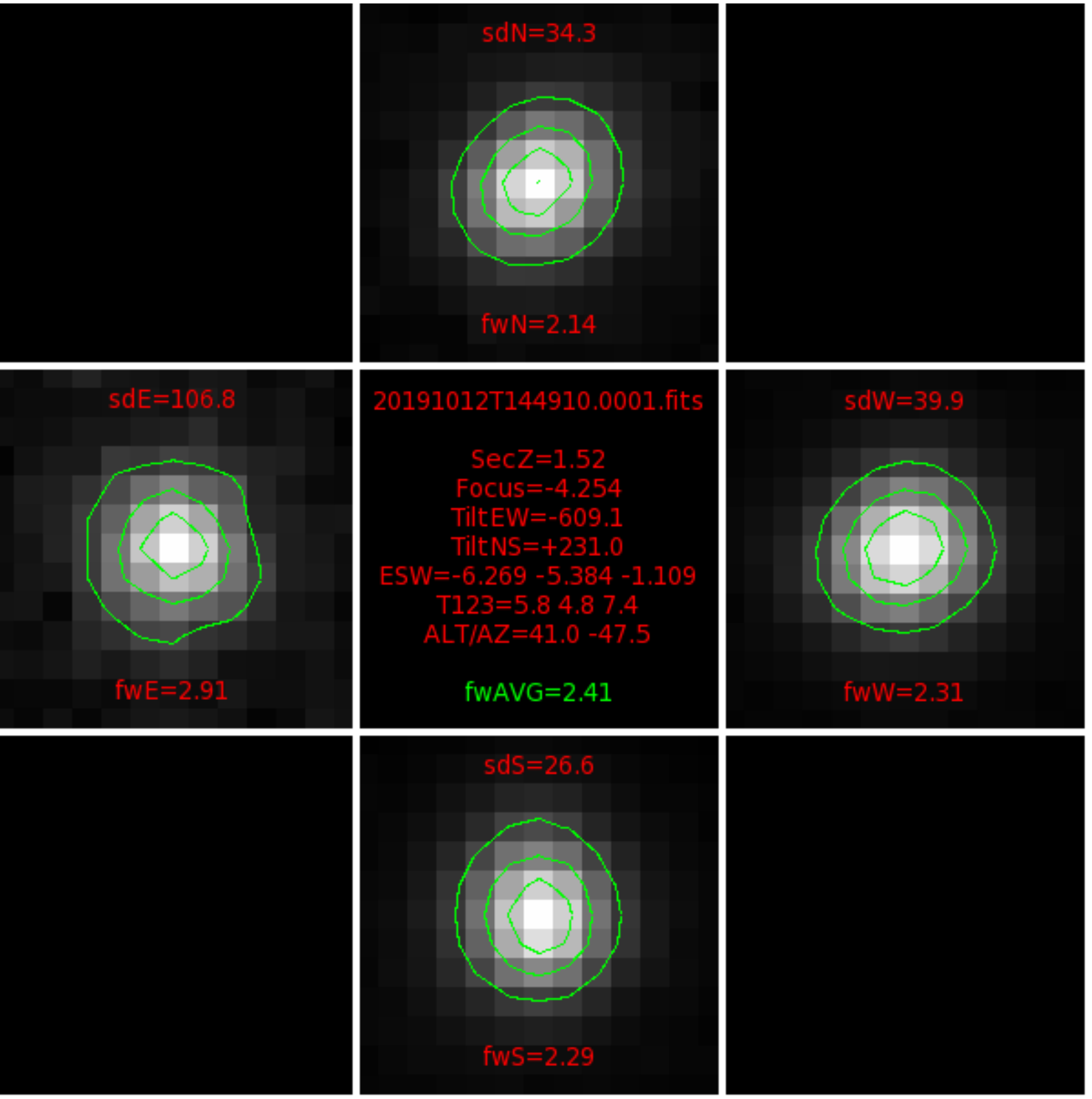
sdN=34.3
fwN=2.14
sdE=106.8
fwE=2.91
20191012T144910.0001.fits
SecZ=1.52
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.8 4.8 7.4
ALT/AZ=41.0 -47.5
fwAVG=2.41
sdW=39.9
fwW=2.31
sdS=26.6
fwS=2.29
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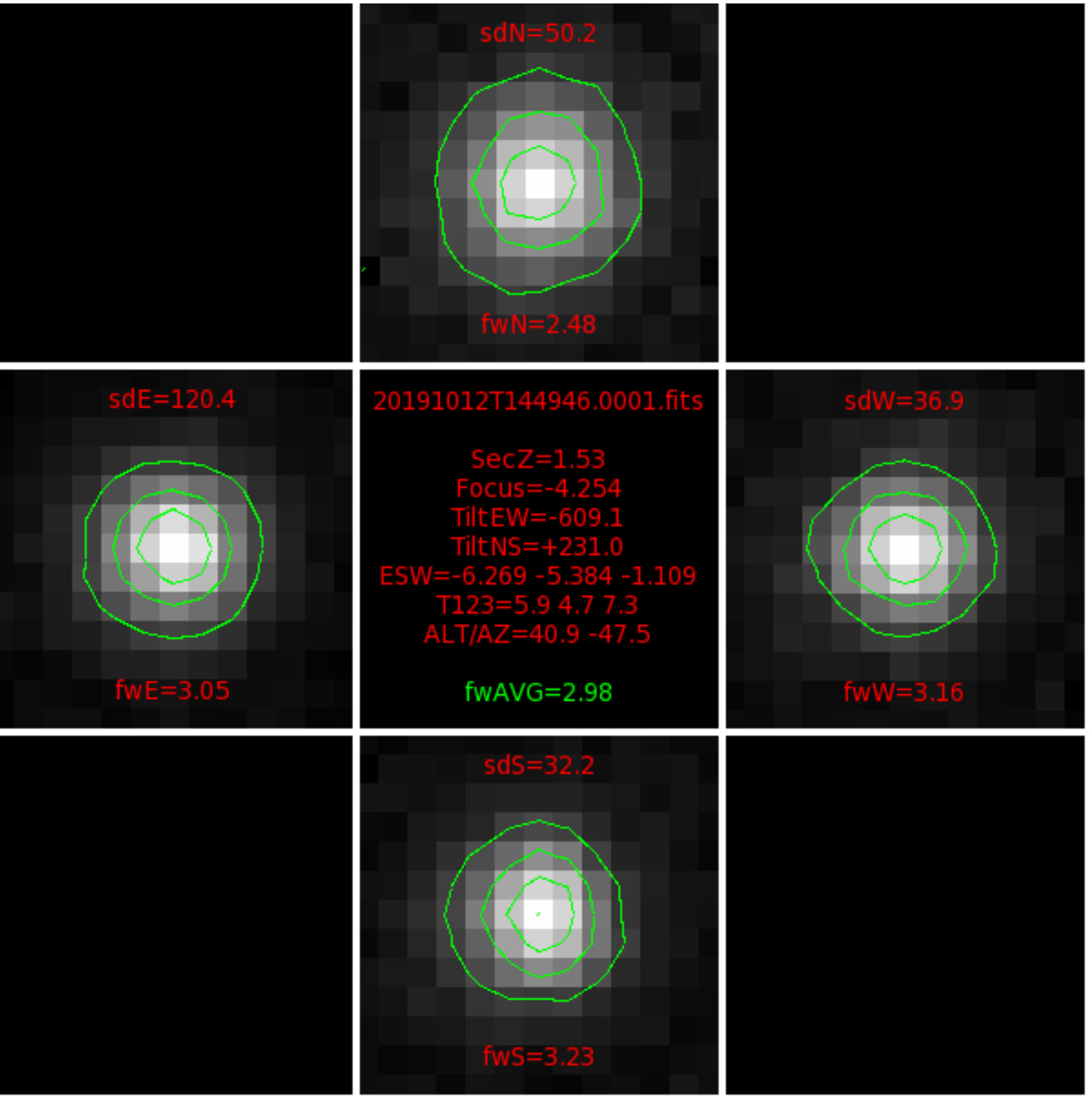
sdN=50.2
fwN=2.48
sdE=120.4
fwE=3.05
20191012T144946.0001.fits
SecZ=1.53
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.7 7.3
ALT/AZ=40.9 -47.5
fwAVG=2.98
sdW=36.9
fwW=3.16
sdS=32.2
fwS=3.23
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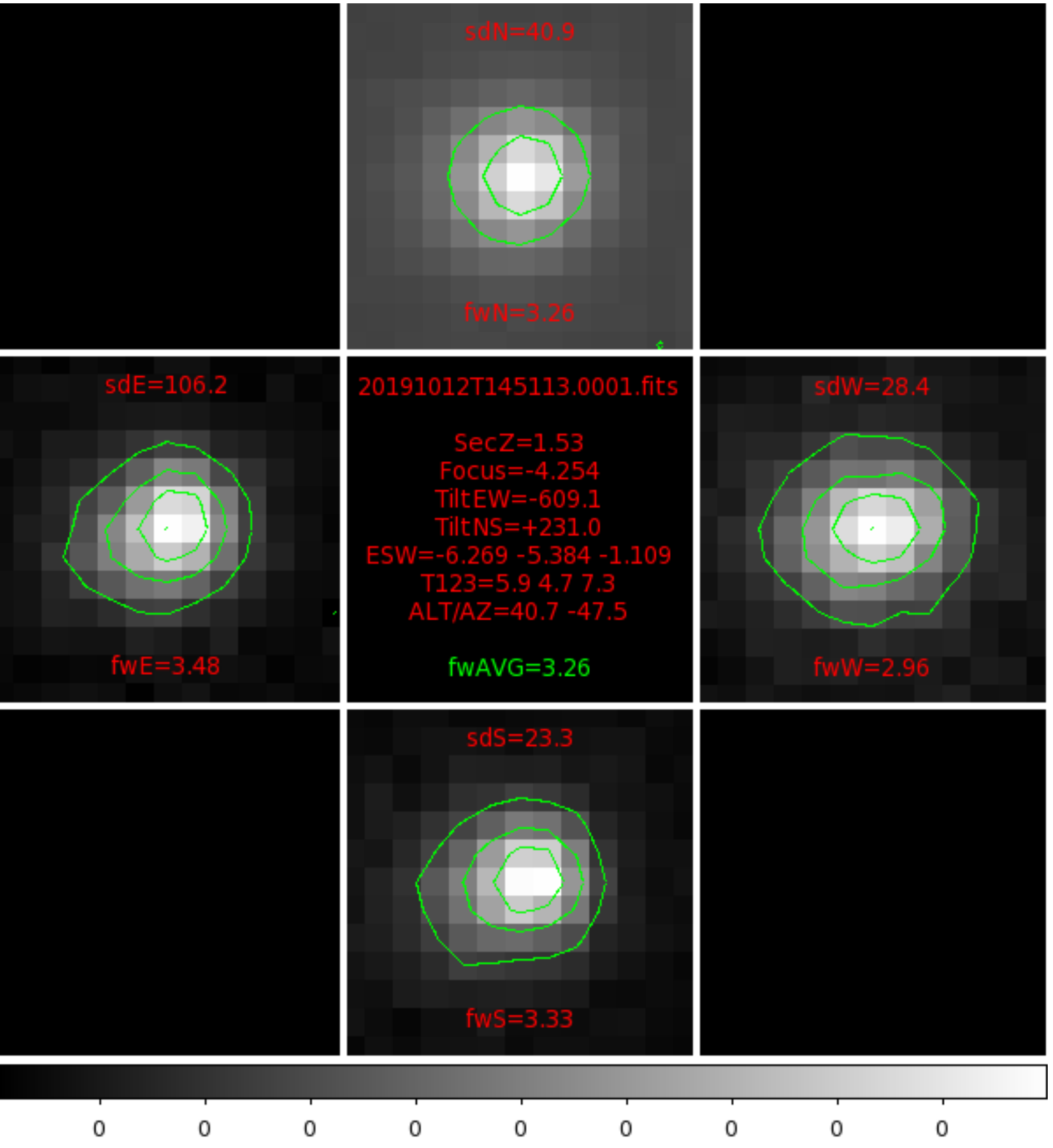
sdN=40.9
fwN=3.26
sdE=106.2
fwE=3.48
20191012T145113.0001.fits
SecZ=1.53
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.7 7.3
ALT/AZ=40.7 -47.5
fwAVG=3.26
sdW=28.4
fwW=2.96
sdS=23.3
fwS=3.33
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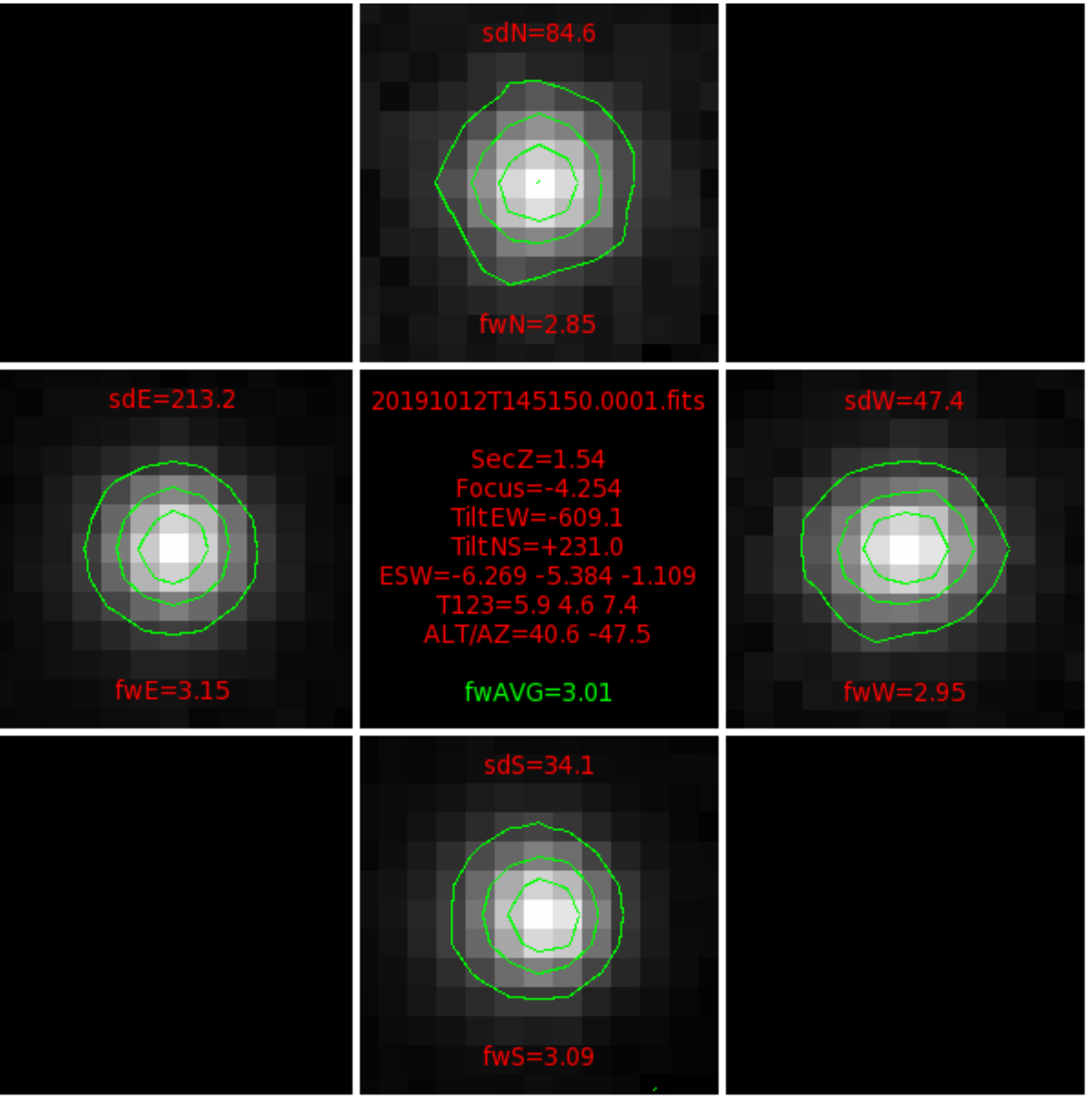
sdN=84.6
fwN=2.85
sdE=213.2
fwE=3.15
20191012T145150.0001.fits
SecZ=1.54
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.6 7.4
ALT/AZ=40.6 -47.5
fwAVG=3.01
sdW=47.4
fwW=2.95
sdS=34.1
fwS=3.09
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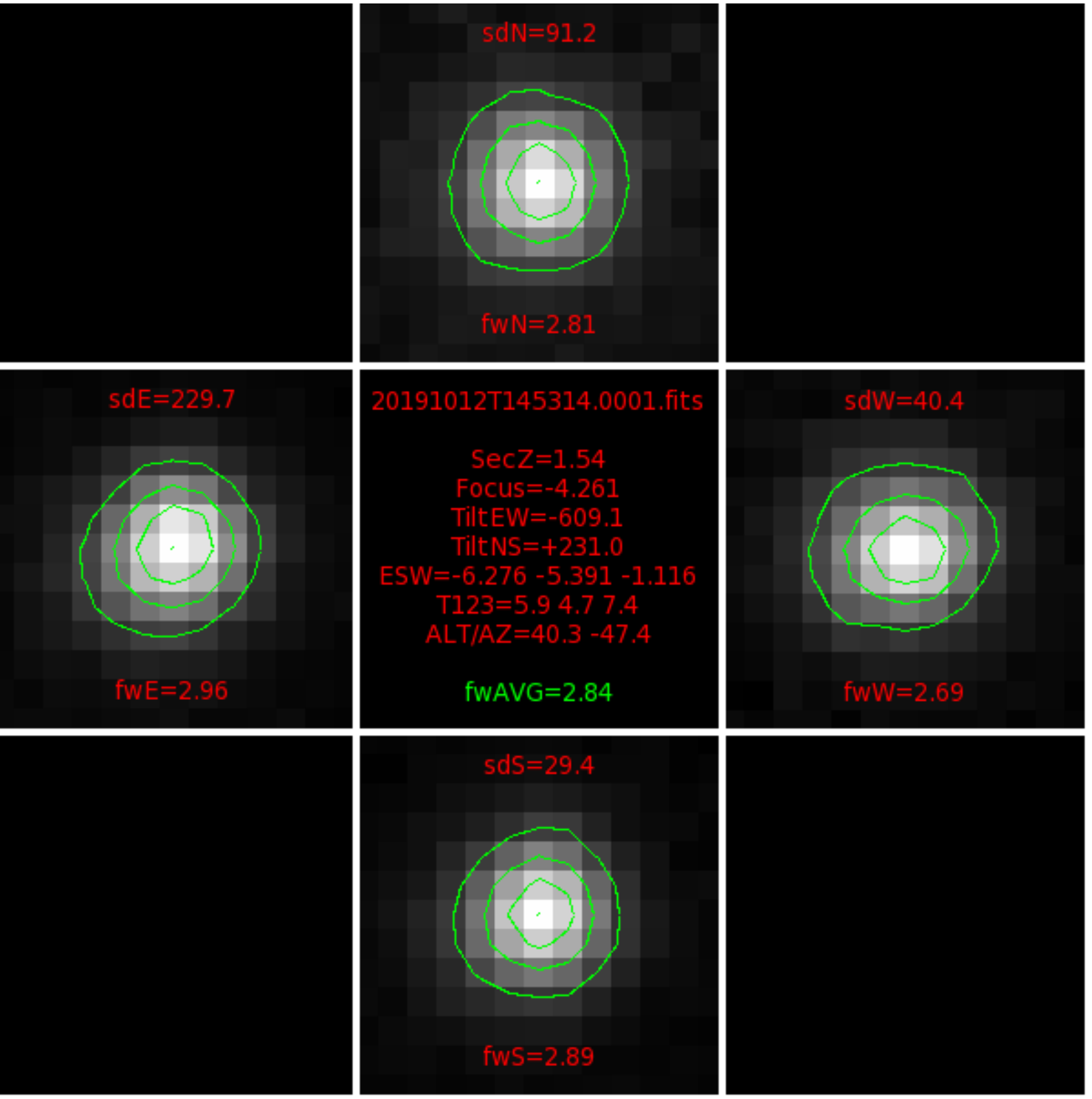
sdN=91.2
fwN=2.81
sdE=229.7
fwE=2.96
20191012T145314.0001.fits
SecZ=1.54
Focus=-4.261
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.276 -5.391 -1.116
T123=5.9 4.7 7.4
ALT/AZ=40.3 -47.4
fwAVG=2.84
sdW=40.4
fwW=2.69
sdS=29.4
fwS=2.89
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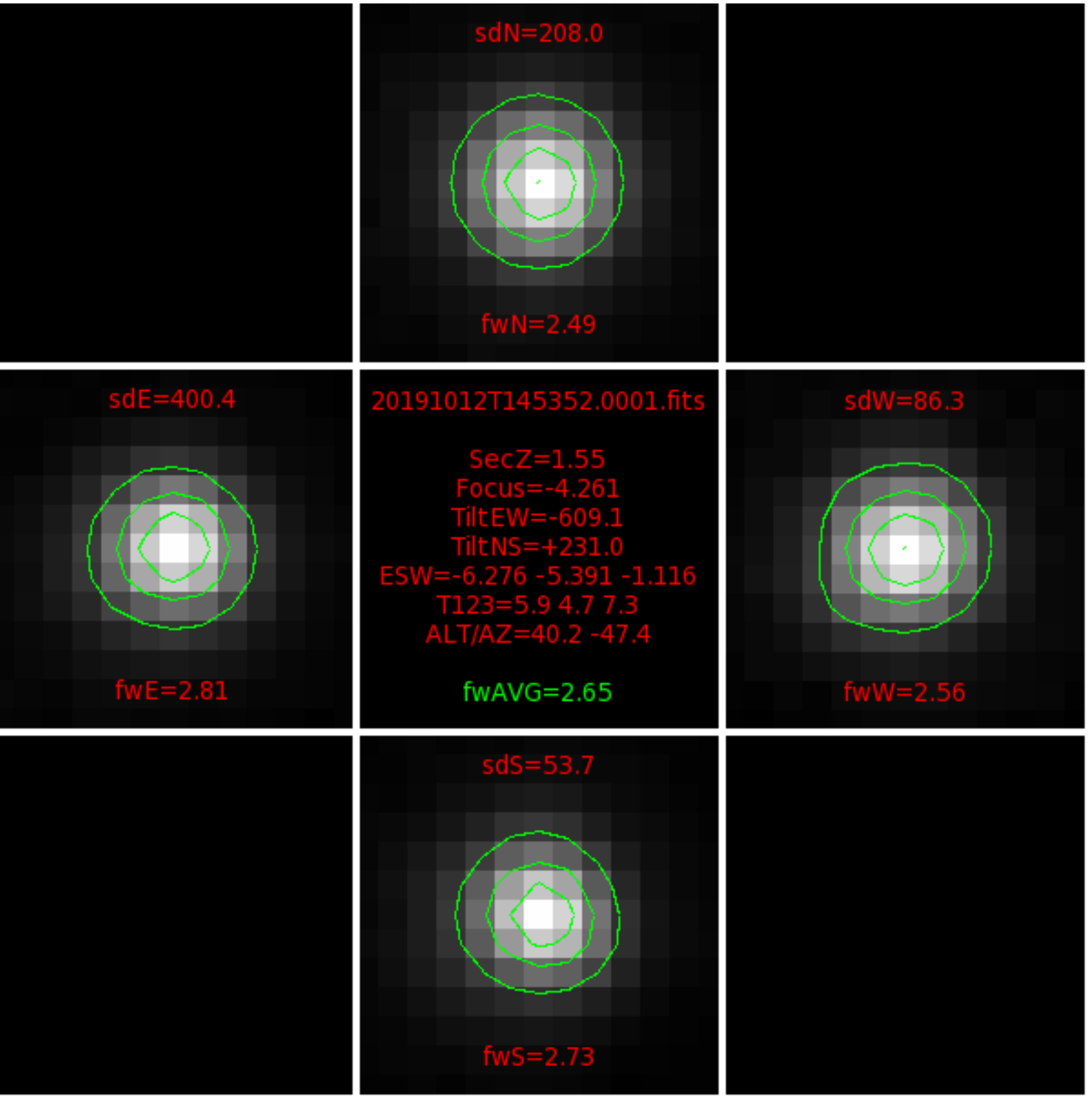
sdN=208.0
fwN=2.49
sdE=400.4
fwE=2.81
20191012T145352.0001.fits
SecZ=1.55
Focus=-4.261
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.276 -5.391 -1.116
T123=5.9 4.7 7.3
ALT/AZ=40.2 -47.4
fwAVG=2.65
sdW=86.3
fwW=2.56
sdS=53.7
fwS=2.73
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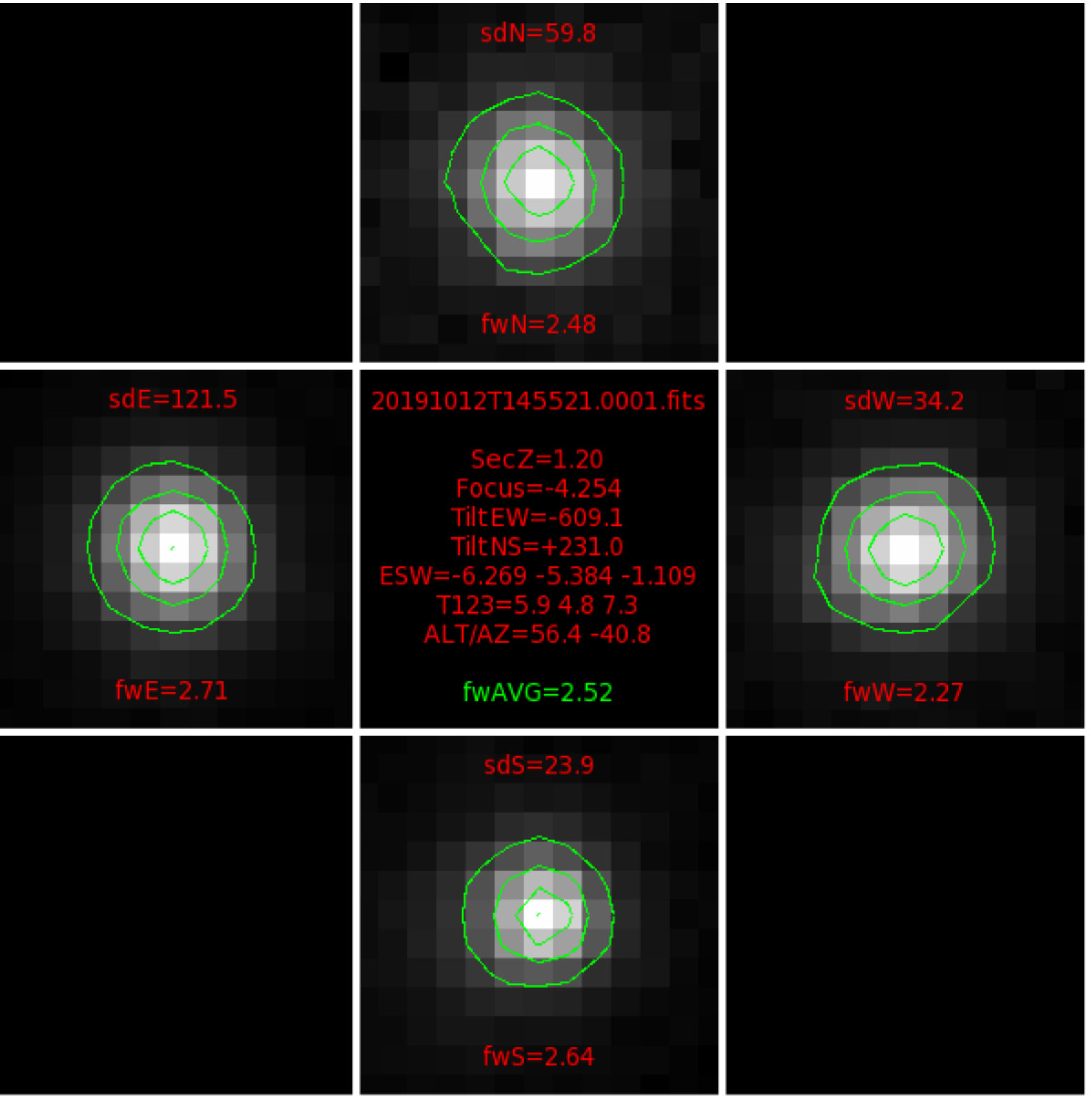
sdN=59.8
fwN=2.48
sdE=121.5
fwE=2.71
20191012T145521.0001.fits
SecZ=1.20
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.8 7.3
ALT/AZ=56.4 -40.8
fwAVG=2.52
sdW=34.2
fwW=2.27
sdS=23.9
fwS=2.64
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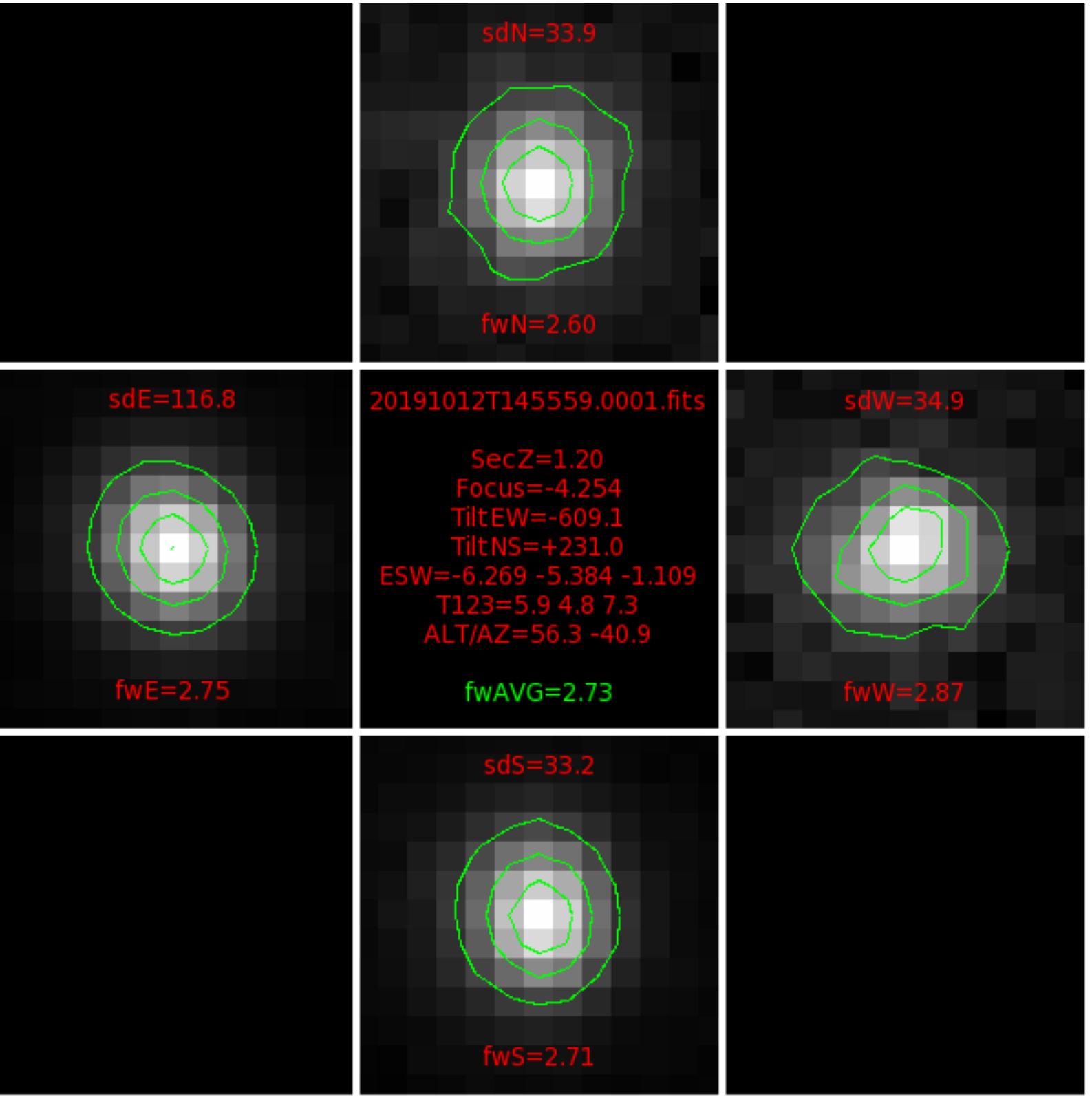
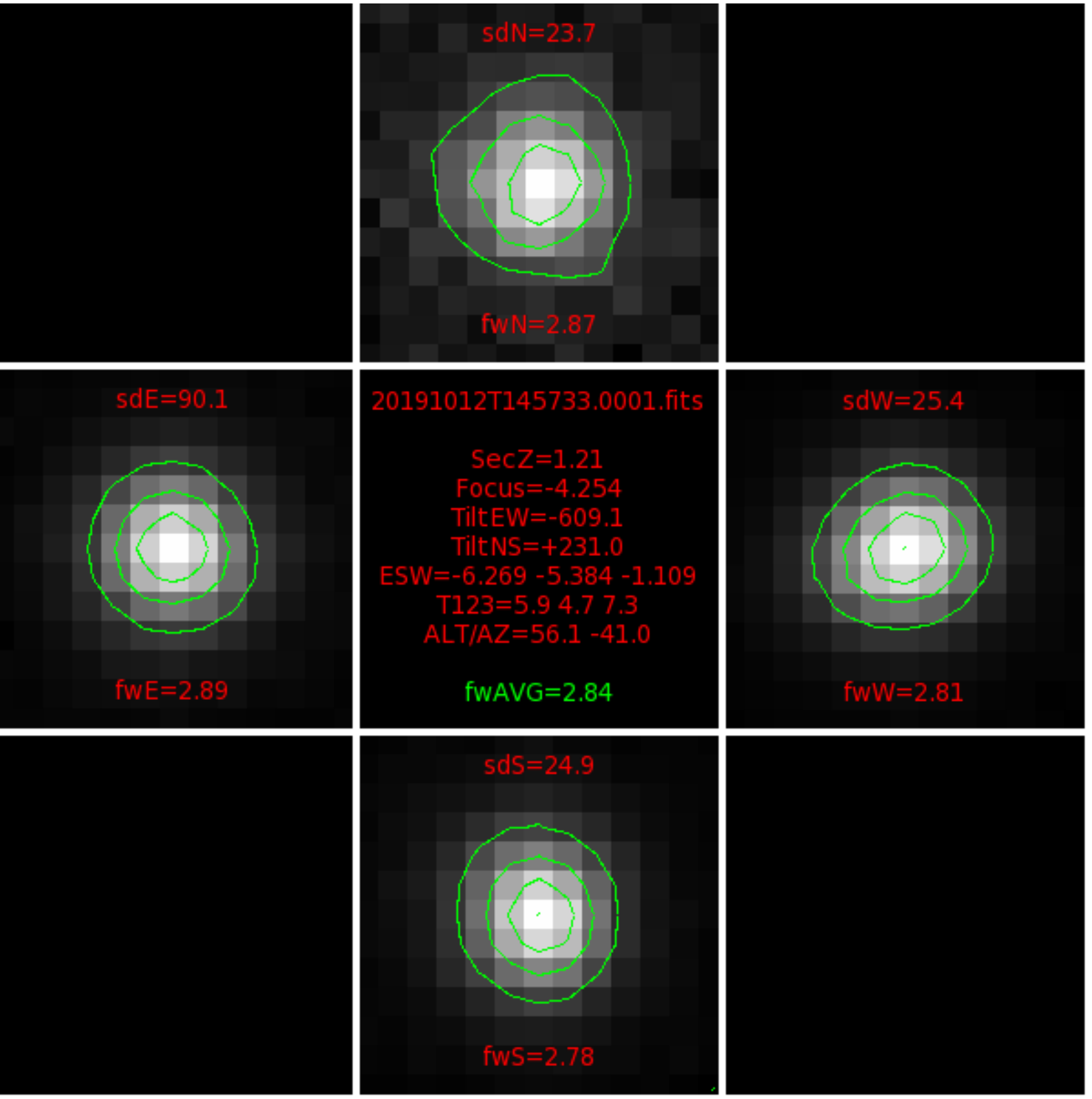
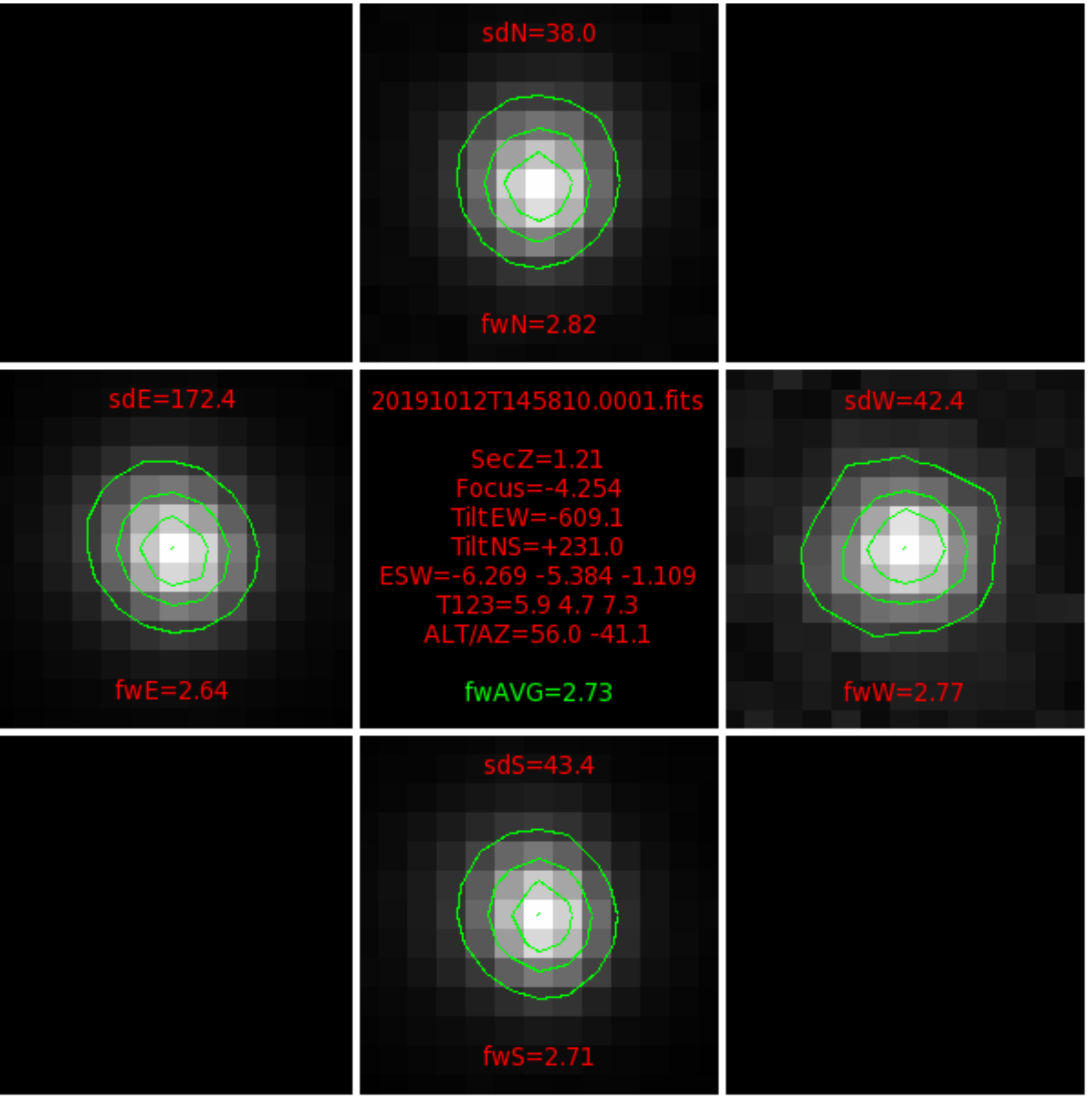
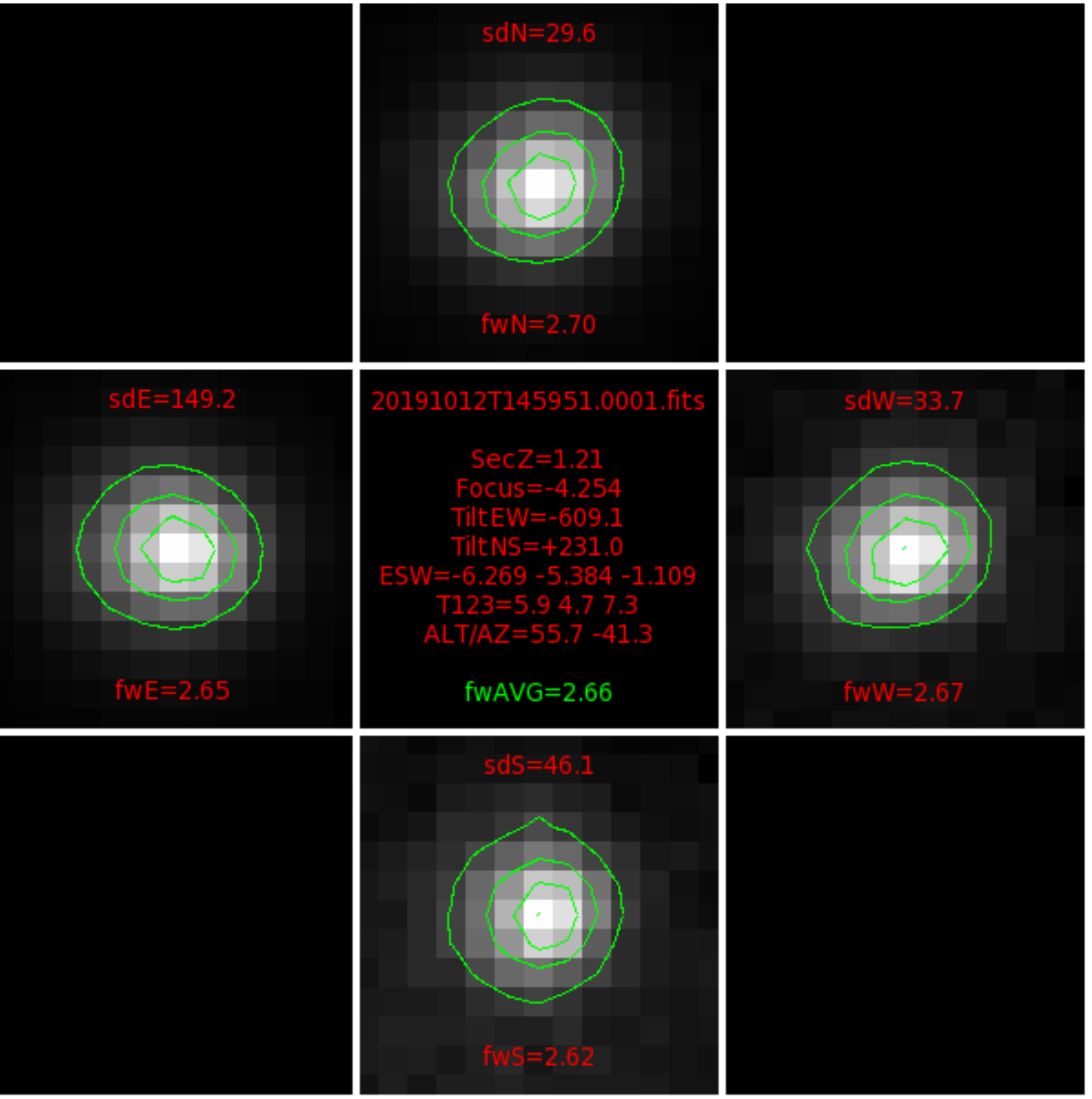

sdN=33.9
fwN=2.60
sdE=116.8
fwE=2.75
20191012T145559.0001.fits
SecZ=1.20
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.8 7.3
ALT/AZ=56.3 -40.9
fwAVG=2.73
sdW=34.9
fwW=2.87
sdS=33.2
fwS=2.71
0 0 0 0 0 0 0 0 0


sdN=23.7
fwN=2.87
sdE=90.1
fwE=2.89
20191012T145733.0001.fits
SecZ=1.21
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.7 7.3
ALT/AZ=56.1 -41.0
fwAVG=2.84
sdW=25.4
fwW=2.81
sdS=24.9
fwS=2.78
0 0 0 0 0 0 0 0 0


sdN=38.0
fwN=2.82
sdE=172.4
fwE=2.64
20191012T145810.0001.fits
SecZ=1.21
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.7 7.3
ALT/AZ=56.0 -41.1
fwAVG=2.73
sdW=42.4
fwW=2.77
sdS=43.4
fwS=2.71
0 0 0 0 0 0 0 0 0


sdN=29.6
fwN=2.70
sdE=149.2
fwE=2.65
20191012T145951.0001.fits
SecZ=1.21
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.7 7.3
ALT/AZ=55.7 -41.3
fwAVG=2.66
sdW=33.7
fwW=2.67
sdS=46.1
fwS=2.62
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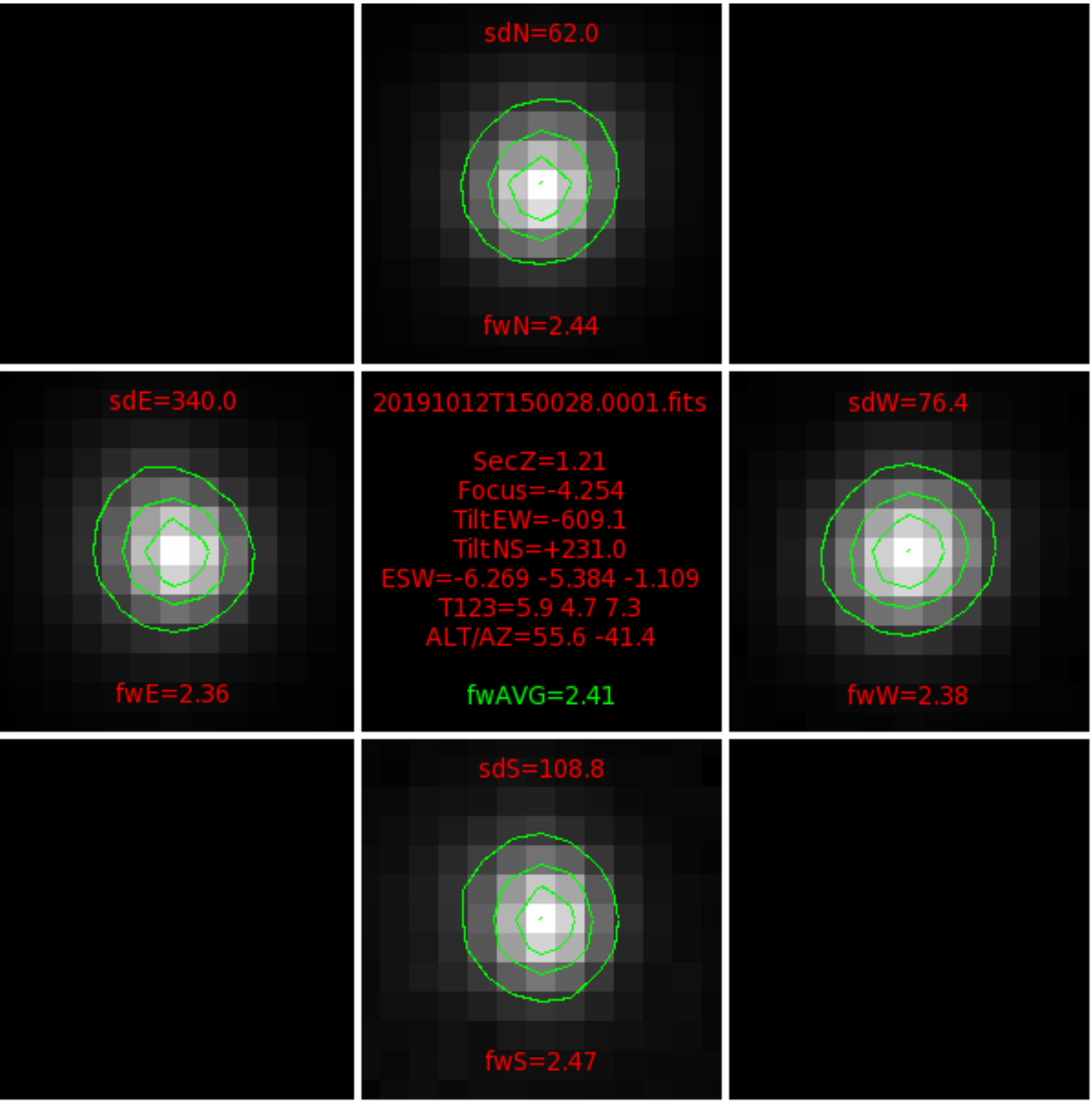
sdN=62.0
fwN=2.44
sdE=340.0
fwE=2.36
20191012T150028.0001.fits
SecZ=1.21
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.7 7.3
ALT/AZ=55.6 -41.4
fwAVG=2.41
sdW=76.4
fwW=2.38
sdS=108.8
fwS=2.47
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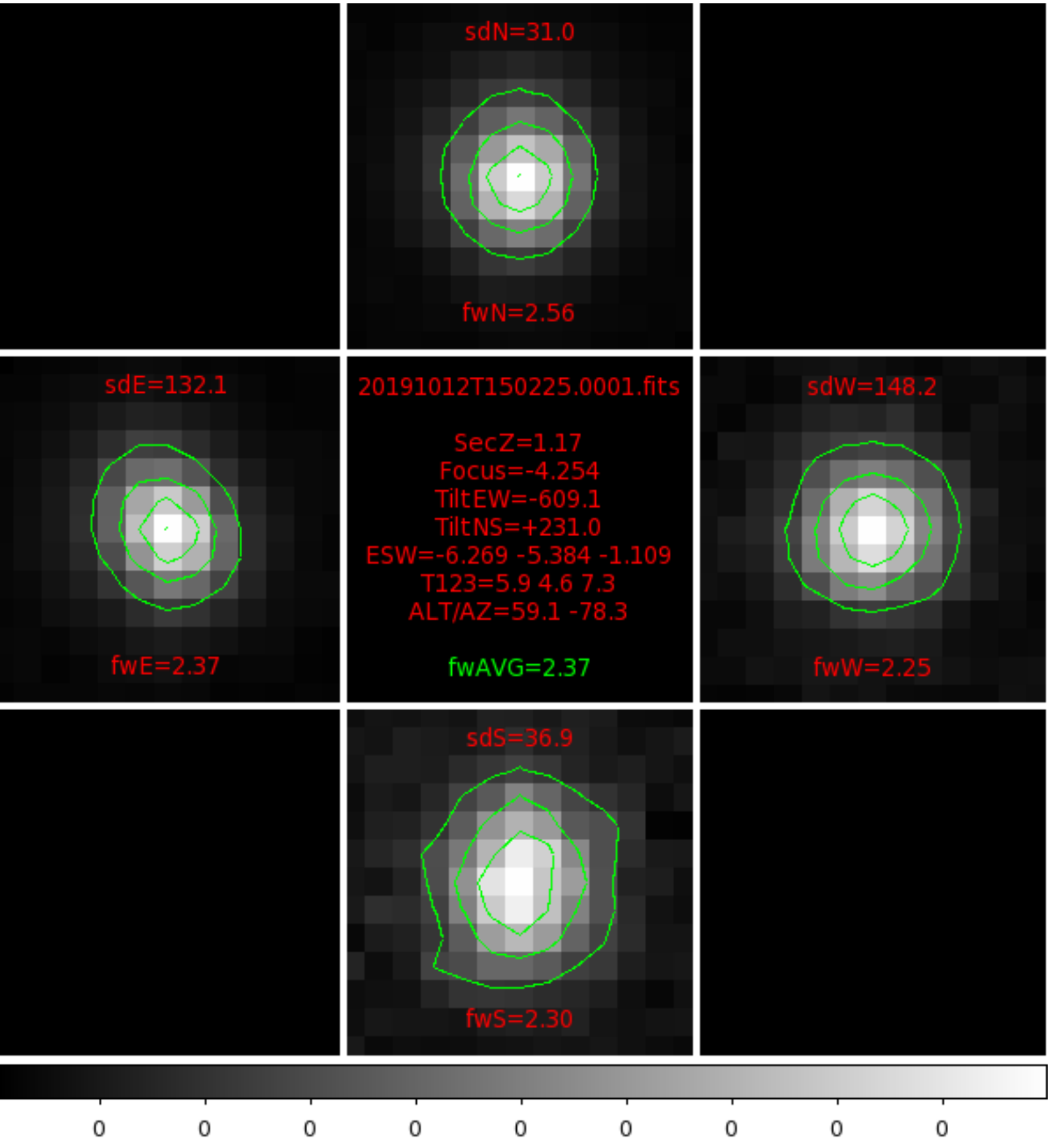
sdN=31.0
fwN=2.56
sdE=132.1
fwE=2.37
20191012T150225.0001.fits
SecZ=1.17
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.6 7.3
ALT/AZ=59.1 -78.3
fwAVG=2.37
sdW=148.2
fwW=2.25
sdS=36.9
fwS=2.30
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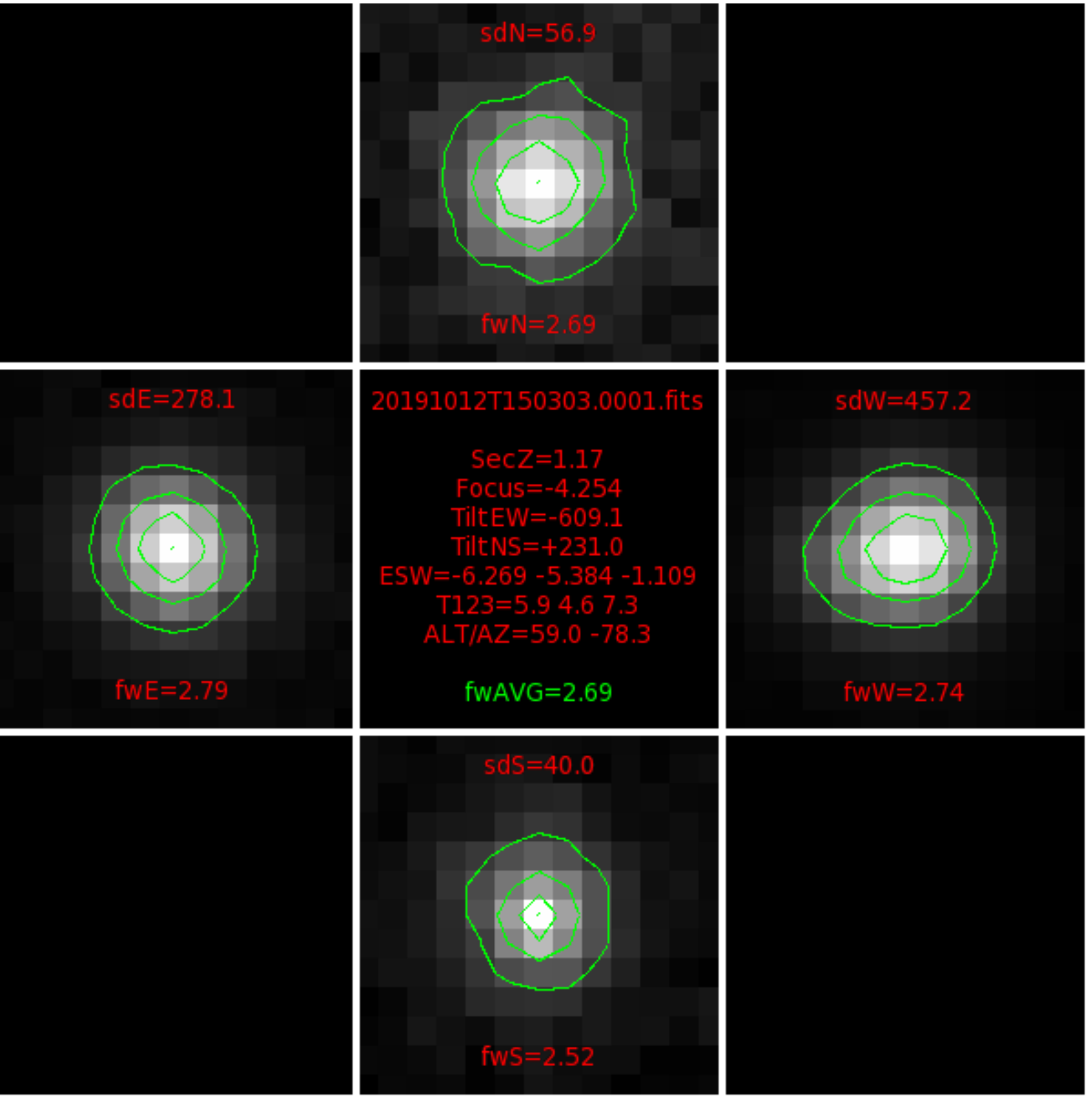
sdN=56.9
fwN=2.69
sdE=278.1
fwE=2.79
20191012T150303.0001.fits
SecZ=1.17
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.6 7.3
ALT/AZ=59.0 -78.3
fwAVG=2.69
sdW=457.2
fwW=2.74
sdS=40.0
fwS=2.52
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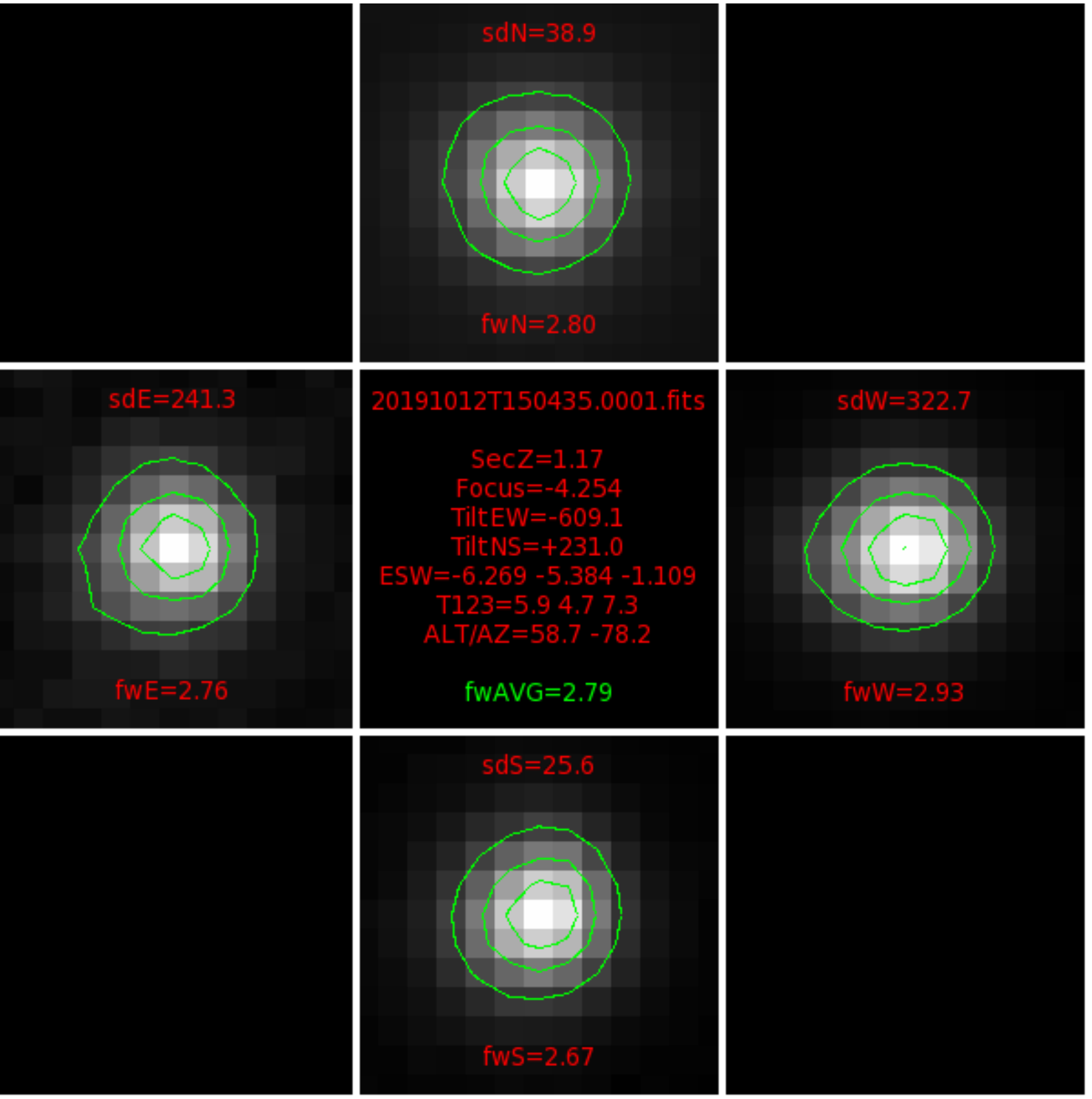
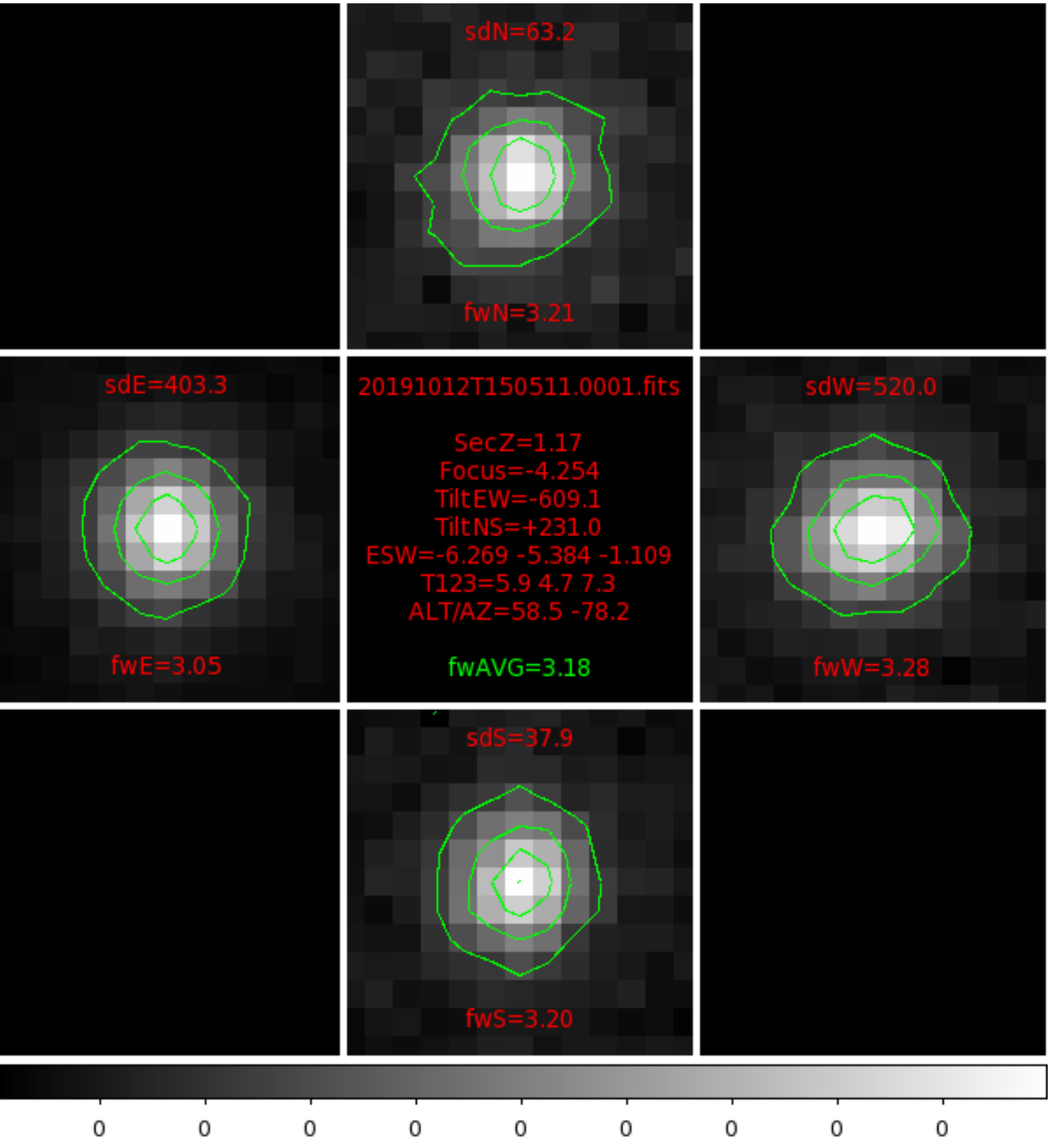
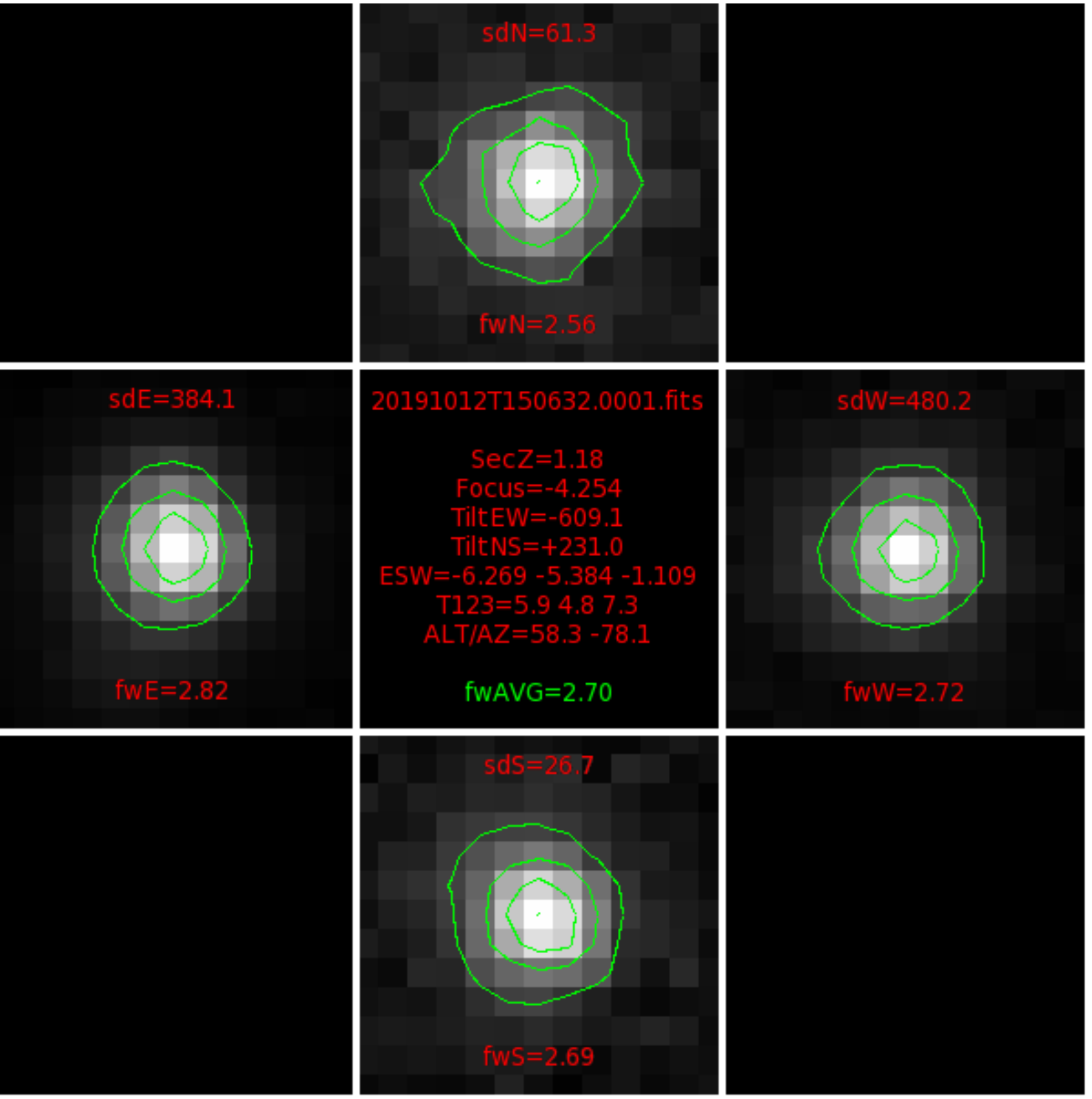
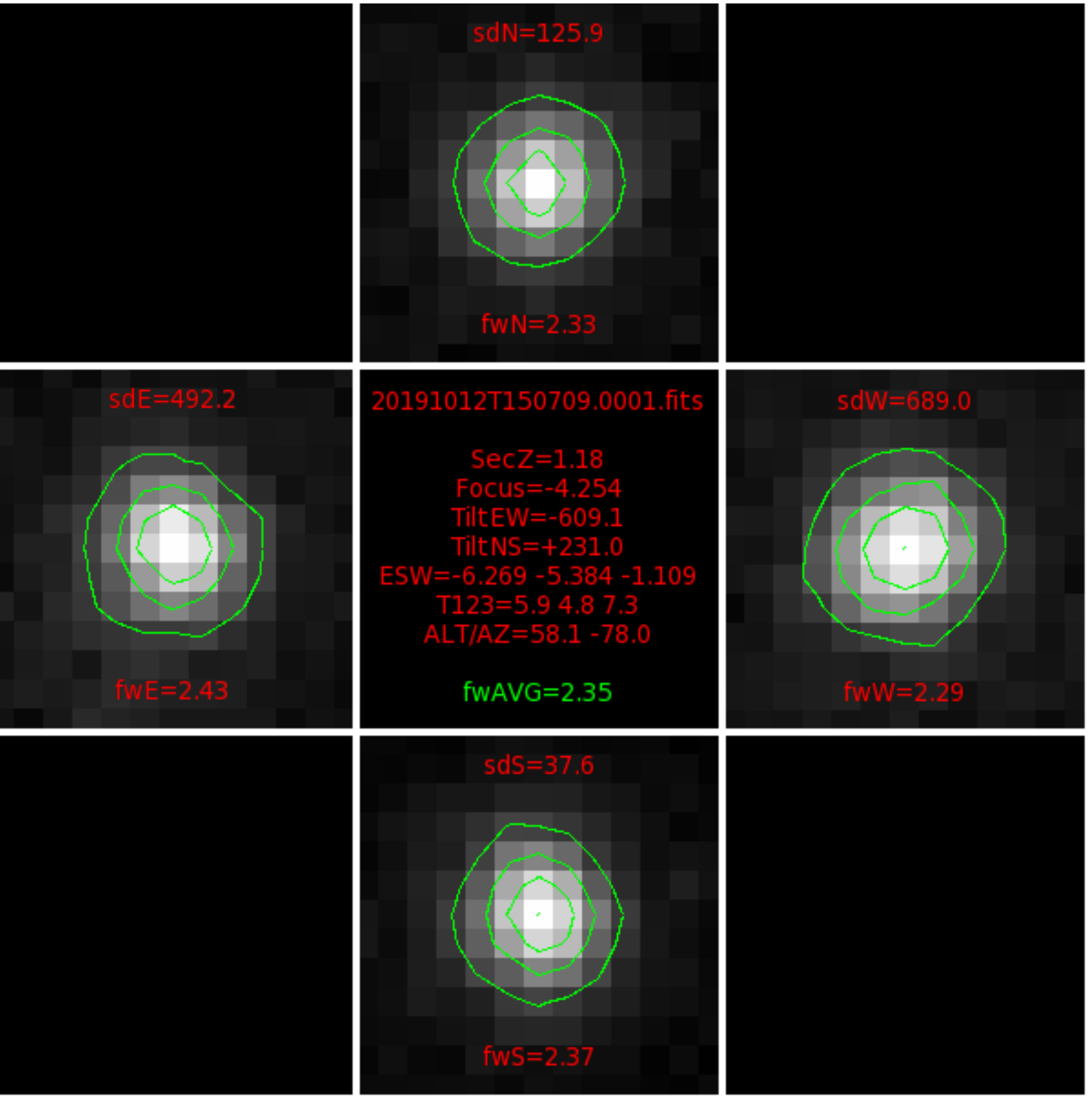
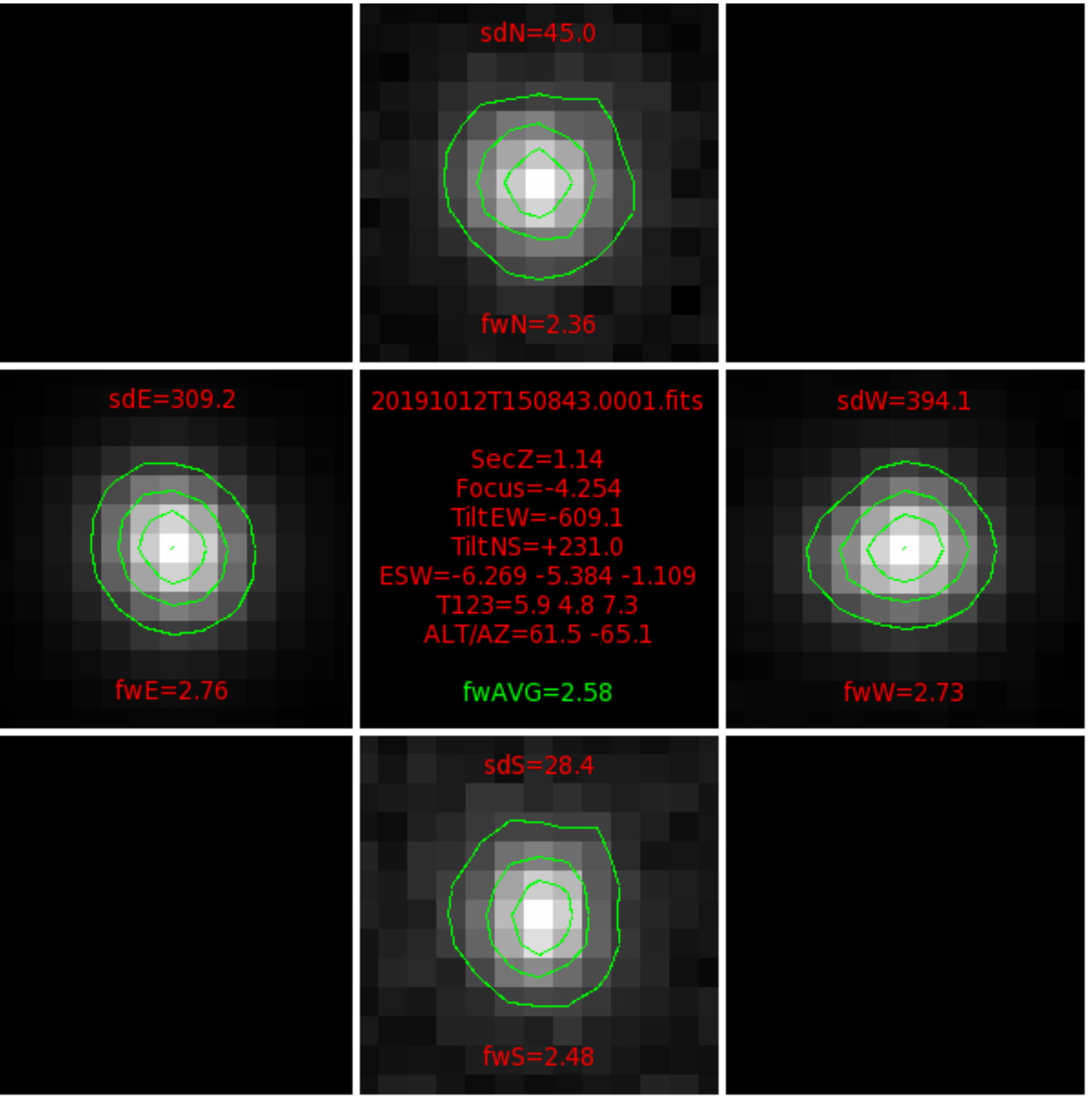
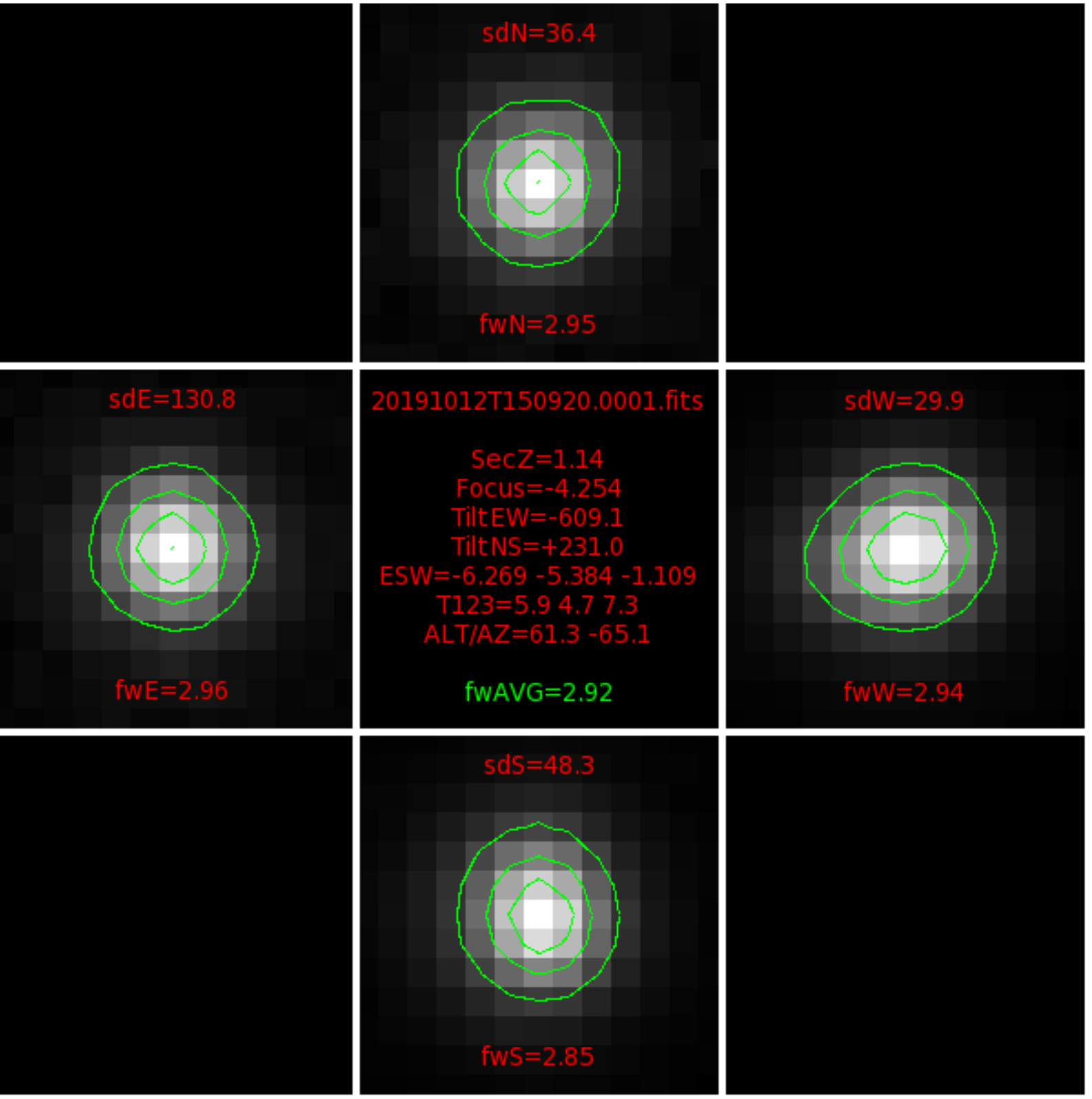

sdN=38.9
fwN=2.80
sdE=241.3
fwE=2.76
20191012T150435.0001.fits
SecZ=1.17
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.7 7.3
ALT/AZ=58.7 -78.2
fwAVG=2.79
sdW=322.7
fwW=2.93
sdS=25.6
fwS=2.67
0 0 0 0 0 0 0 0 0

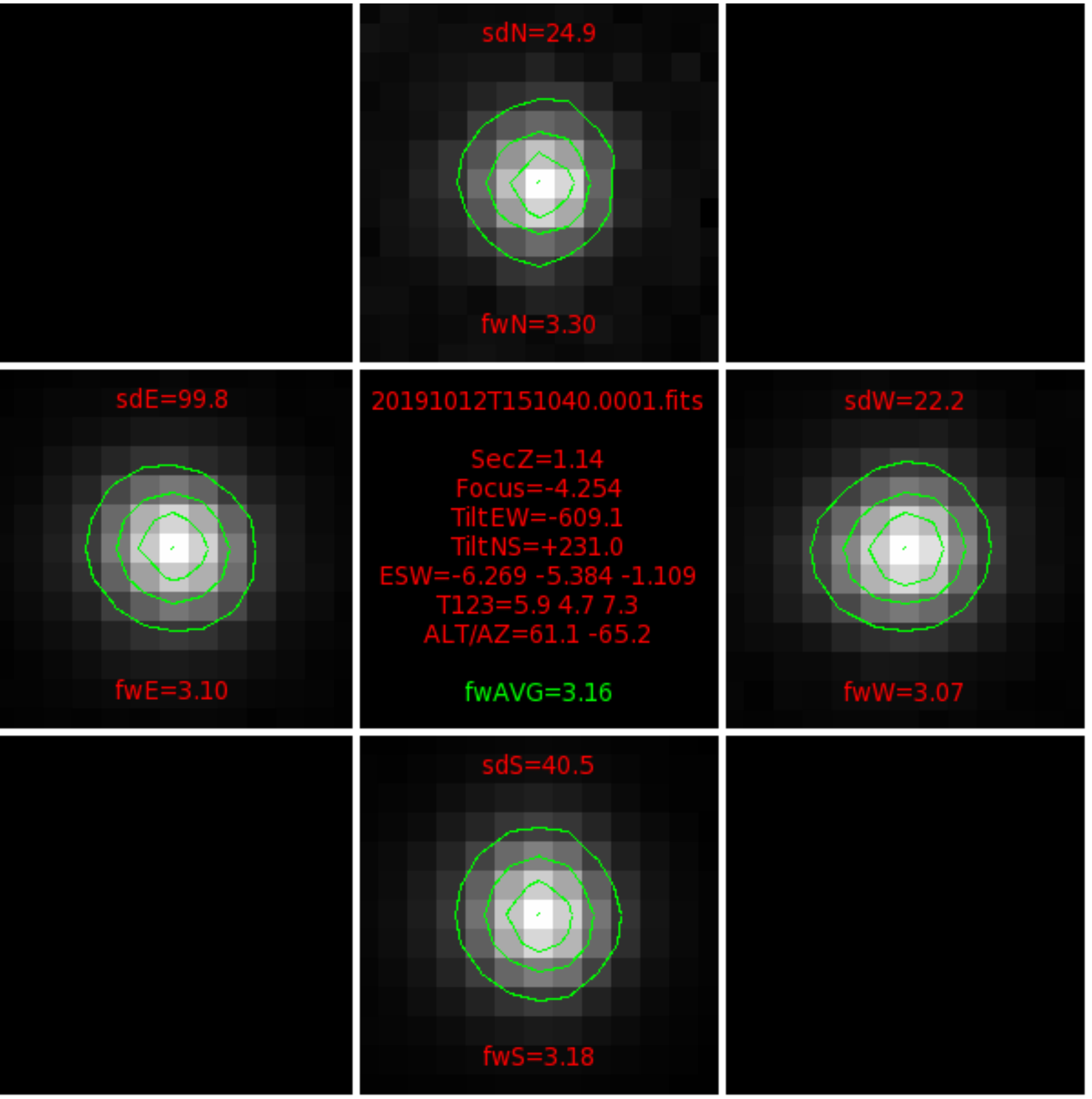

sdN=63.2
fwN=3.21
sdE=403.3
fwE=3.05
20191012T150511.0001.fits
SecZ=1.17
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.7 7.3
ALT/AZ=58.5 -78.2
fwAVG=3.18
sdW=520.0
fwW=3.28
sdS=37.9
fwS=3.20
0 0 0 0 0 0 0 0 0

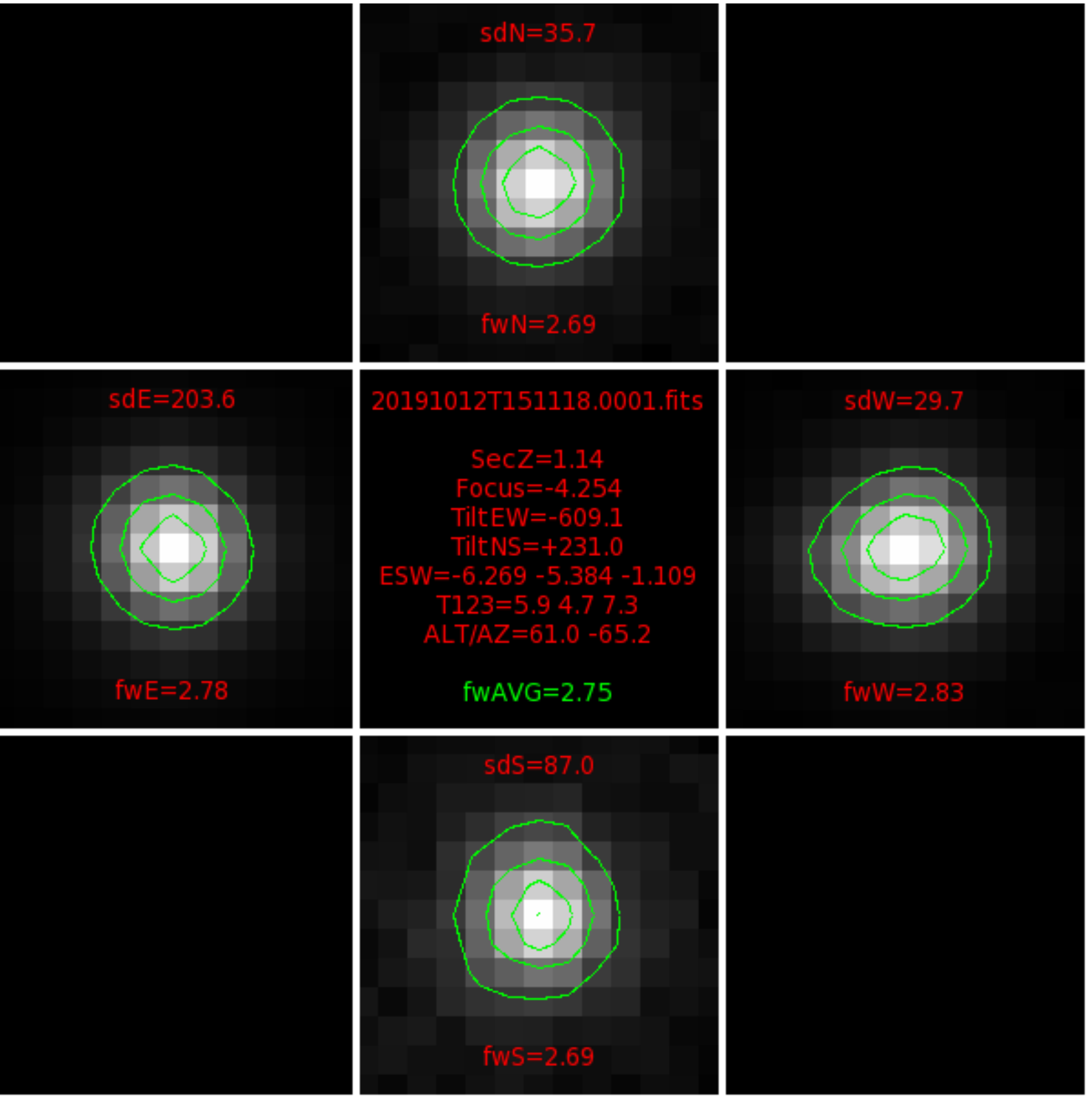

sdN=61.3
fwN=2.56
sdE=384.1
fwE=2.82
20191012T150632.0001.fits
SecZ=1.18
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.8 7.3
ALT/AZ=58.3 -78.1
fwAVG=2.70
sdW=480.2
fwW=2.72
sdS=26.7
fwS=2.69
0 0 0 0 0 0 0 0 0

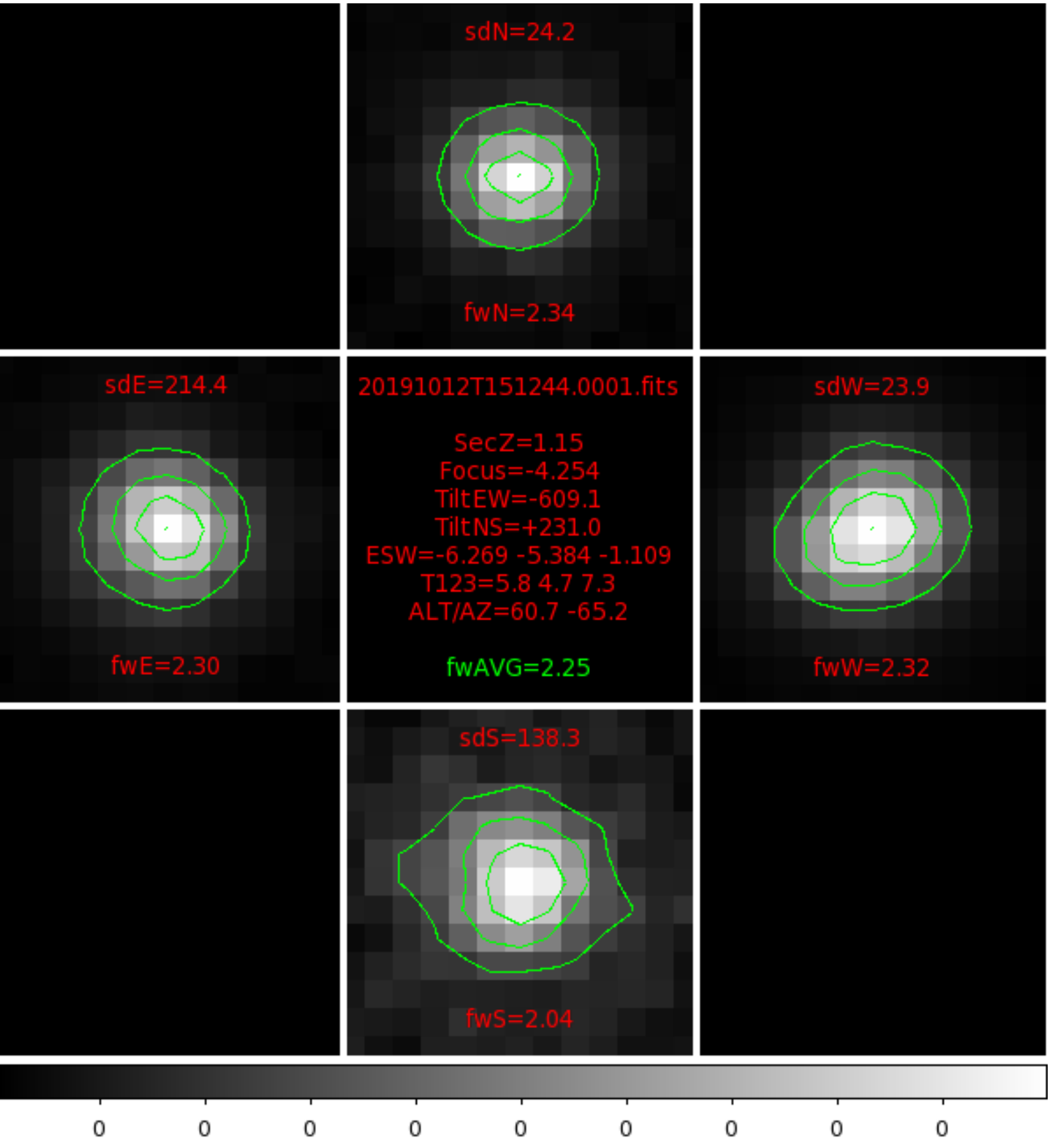

sdN=125.9
fwN=2.33
sdE=492.2
fwE=2.43
20191012T150709.0001.fits
SecZ=1.18
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.8 7.3
ALT/AZ=58.1 -78.0
fwAVG=2.35
sdW=689.0
fwW=2.29
sdS=37.6
fwS=2.37
0 0 0 0 0 0 0 0 0

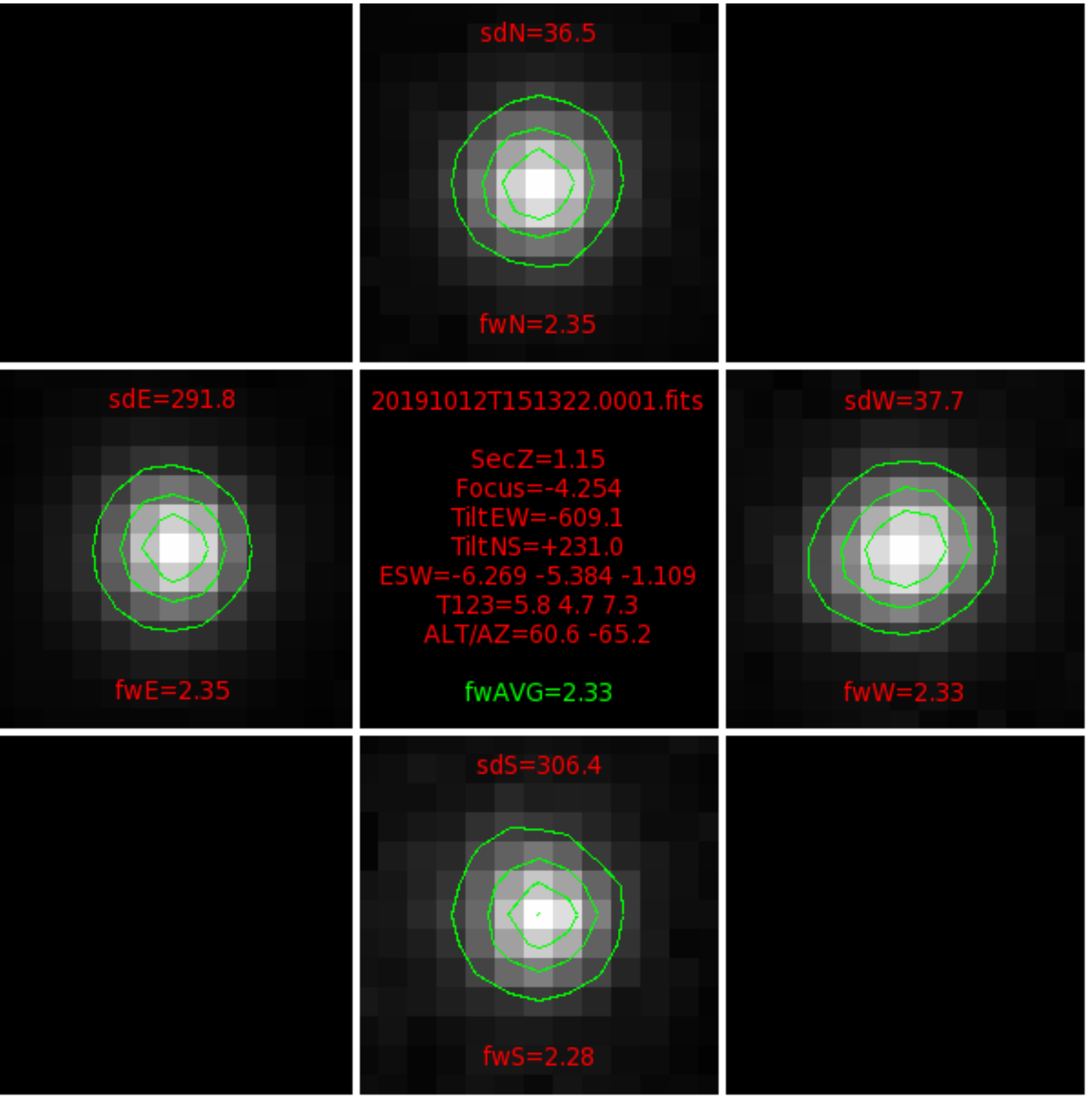

sdN=45.0
fwN=2.36
sdE=309.2
fwE=2.76
20191012T150843.0001.fits
SecZ=1.14
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.8 7.3
ALT/AZ=61.5 -65.1
fwAVG=2.58
sdW=394.1
fwW=2.73
sdS=28.4
fwS=2.48
0 0 0 0 0 0 0 0 0

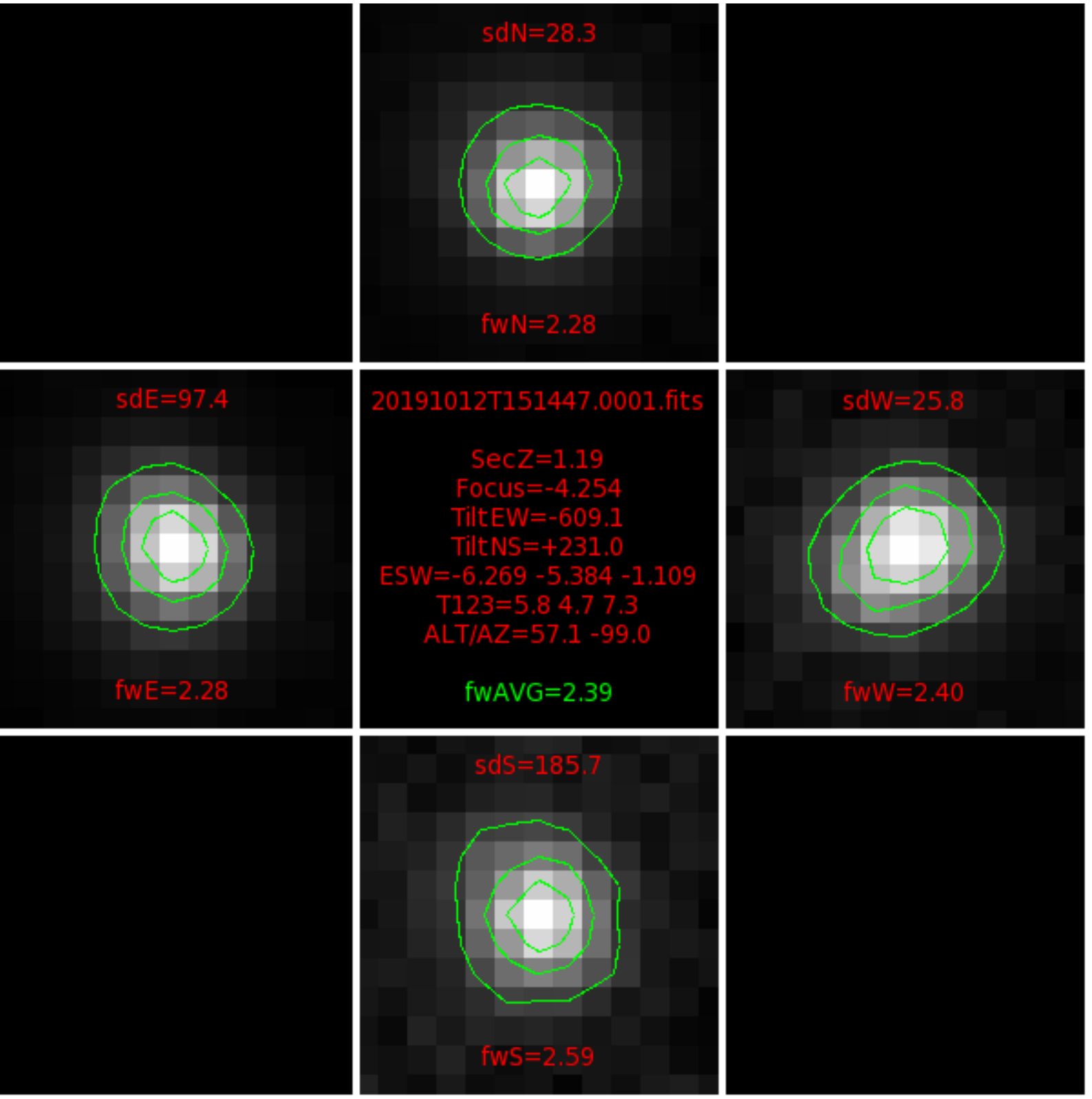

sdN=36.4
fwN=2.95
sdE=130.8
fwE=2.96
20191012T150920.0001.fits
SecZ=1.14
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.7 7.3
ALT/AZ=61.3 -65.1
fwAVG=2.92
sdW=29.9
fwW=2.94
sdS=48.3
fwS=2.85
0 0 0 0 0 0 0 0 0

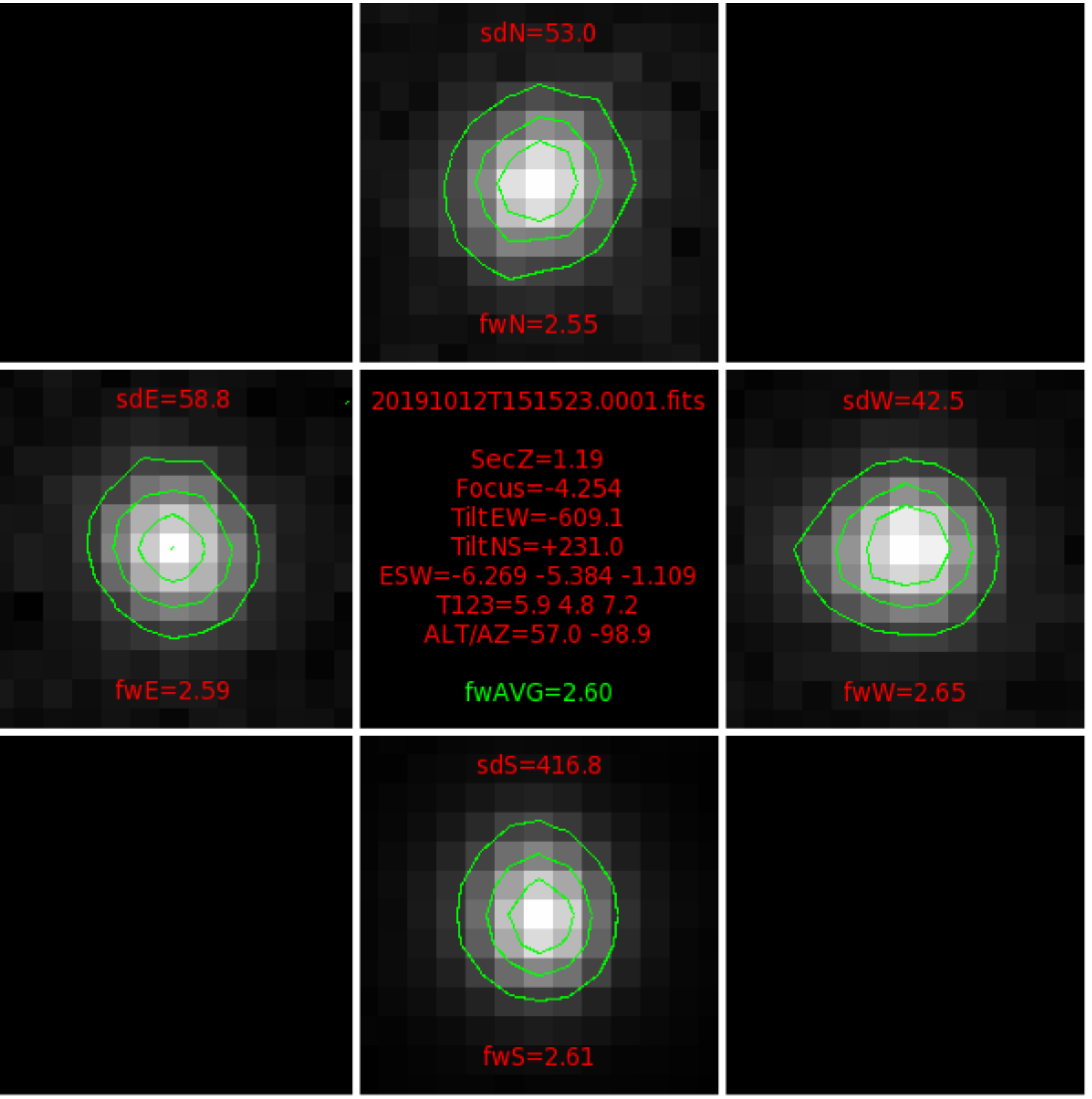

sdN=24.9
fwN=3.30
sdE=99.8
fwE=3.10
20191012T151040.0001.fits
SecZ=1.14
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.7 7.3
ALT/AZ=61.1 -65.2
fwAVG=3.16
sdW=22.2
fwW=3.07
sdS=40.5
fwS=3.18
0 0 0 0 0 0 0 0 0

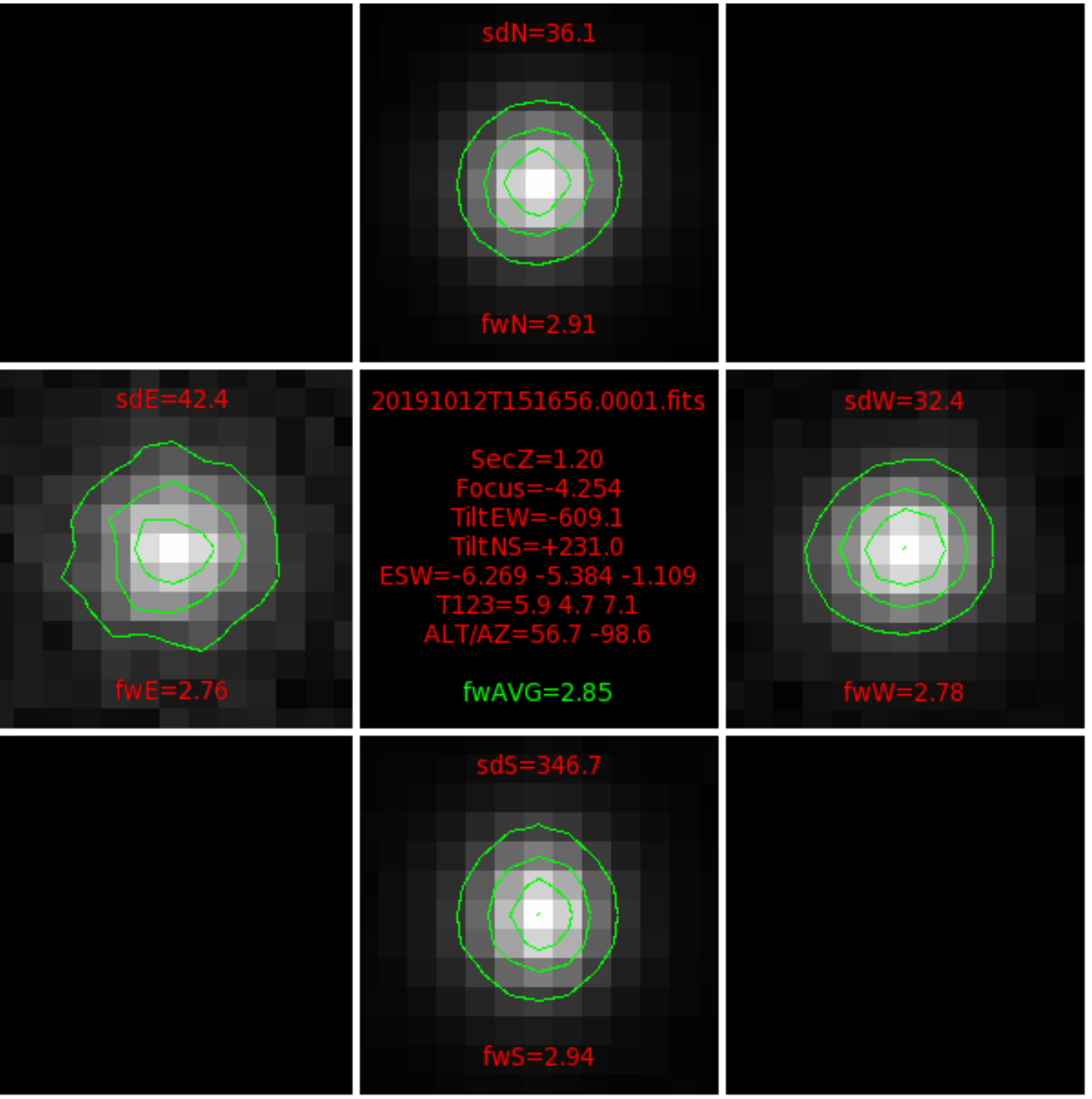

sdN=35.7
fwN=2.69
sdE=203.6
fwE=2.78
20191012T151118.0001.fits
SecZ=1.14
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.7 7.3
ALT/AZ=61.0 -65.2
fwAVG=2.75
sdW=29.7
fwW=2.83
sdS=87.0
fwS=2.69
0 0 0 0 0 0 0 0 0


sdN=24.2
fwN=2.34
sdE=214.4
fwE=2.30
20191012T151244.0001.fits
SecZ=1.15
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.8 4.7 7.3
ALT/AZ=60.7 -65.2
fwAVG=2.25
sdW=23.9
fwW=2.32
sdS=138.3
fwS=2.04
0 0 0 0 0 0 0 0 0


sdN=36.5
fwN=2.35
sdE=291.8
fwE=2.35
20191012T151322.0001.fits
SecZ=1.15
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.8 4.7 7.3
ALT/AZ=60.6 -65.2
fwAVG=2.33
sdW=37.7
fwW=2.33
sdS=306.4
fwS=2.28
0 0 0 0 0 0 0 0 0


sdN=28.3
fwN=2.28
sdE=97.4
fwE=2.28
20191012T151447.0001.fits
SecZ=1.19
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.8 4.7 7.3
ALT/AZ=57.1 -99.0
fwAVG=2.39
sdW=25.8
fwW=2.40
sdS=185.7
fwS=2.59
0 0 0 0 0 0 0 0 0


sdN=53.0
fwN=2.55
sdE=58.8
fwE=2.59
20191012T151523.0001.fits
SecZ=1.19
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.8 7.2
ALT/AZ=57.0 -98.9
fwAVG=2.60
sdW=42.5
fwW=2.65
sdS=416.8
fwS=2.61
0 0 0 0 0 0 0 0 0


sdN=36.1
fwN=2.91
sdE=42.4
fwE=2.76
20191012T151656.0001.fits
SecZ=1.20
Focus=-4.254
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.269 -5.384 -1.109
T123=5.9 4.7 7.1
ALT/AZ=56.7 -98.6
fwAVG=2.85
sdW=32.4
fwW=2.78
sdS=346.7
fwS=2.94
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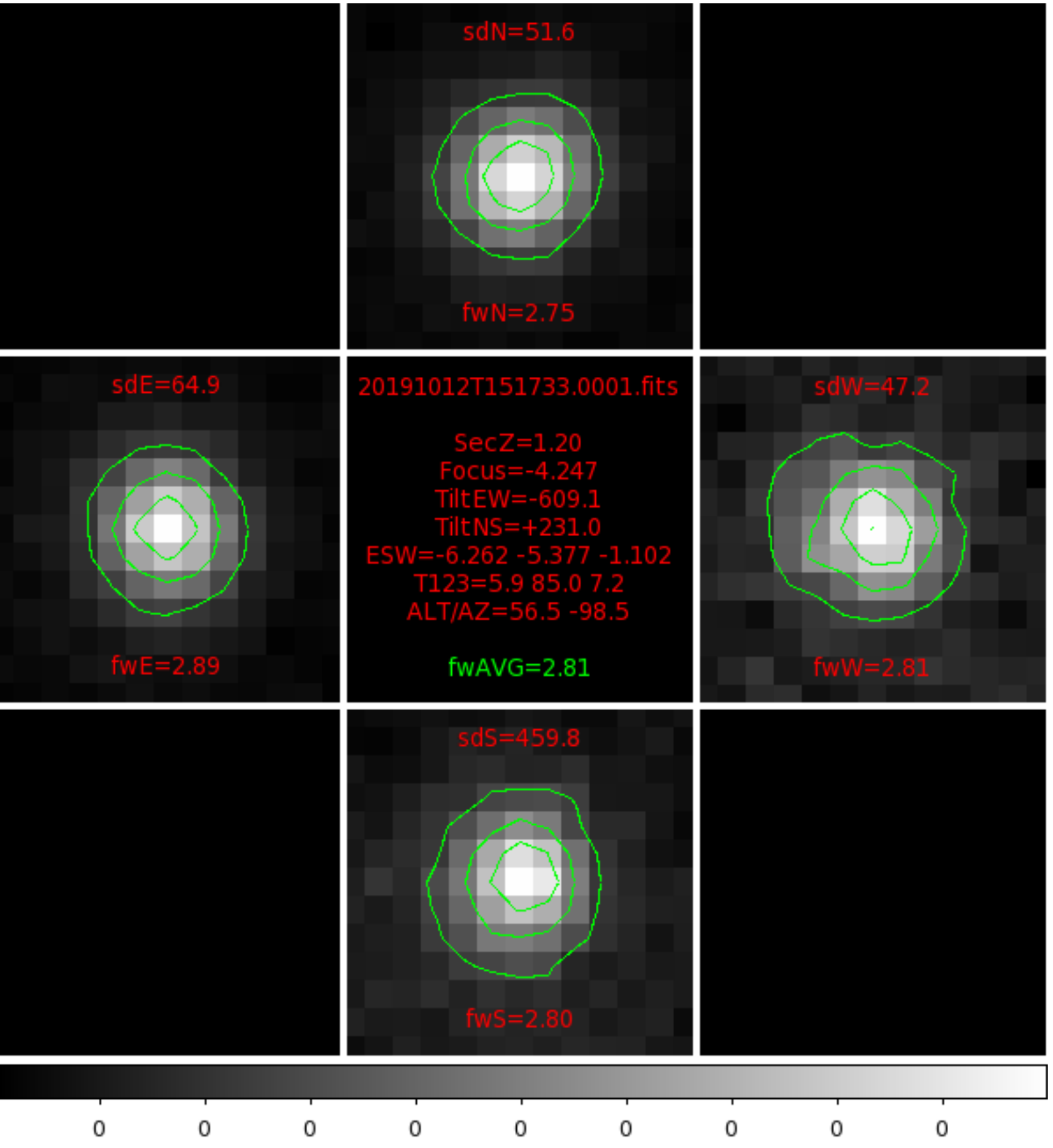
sdN=51.6
fwN=2.75
sdE=64.9
fwE=2.89
20191012T151733.0001.fits
SecZ=1.20
Focus=-4.247
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.262 -5.377 -1.102
T123=5.9 85.0 7.2
ALT/AZ=56.5 -98.5
fwAVG=2.81
sdW=47.2
fwW=2.81
sdS=459.8
fwS=2.80
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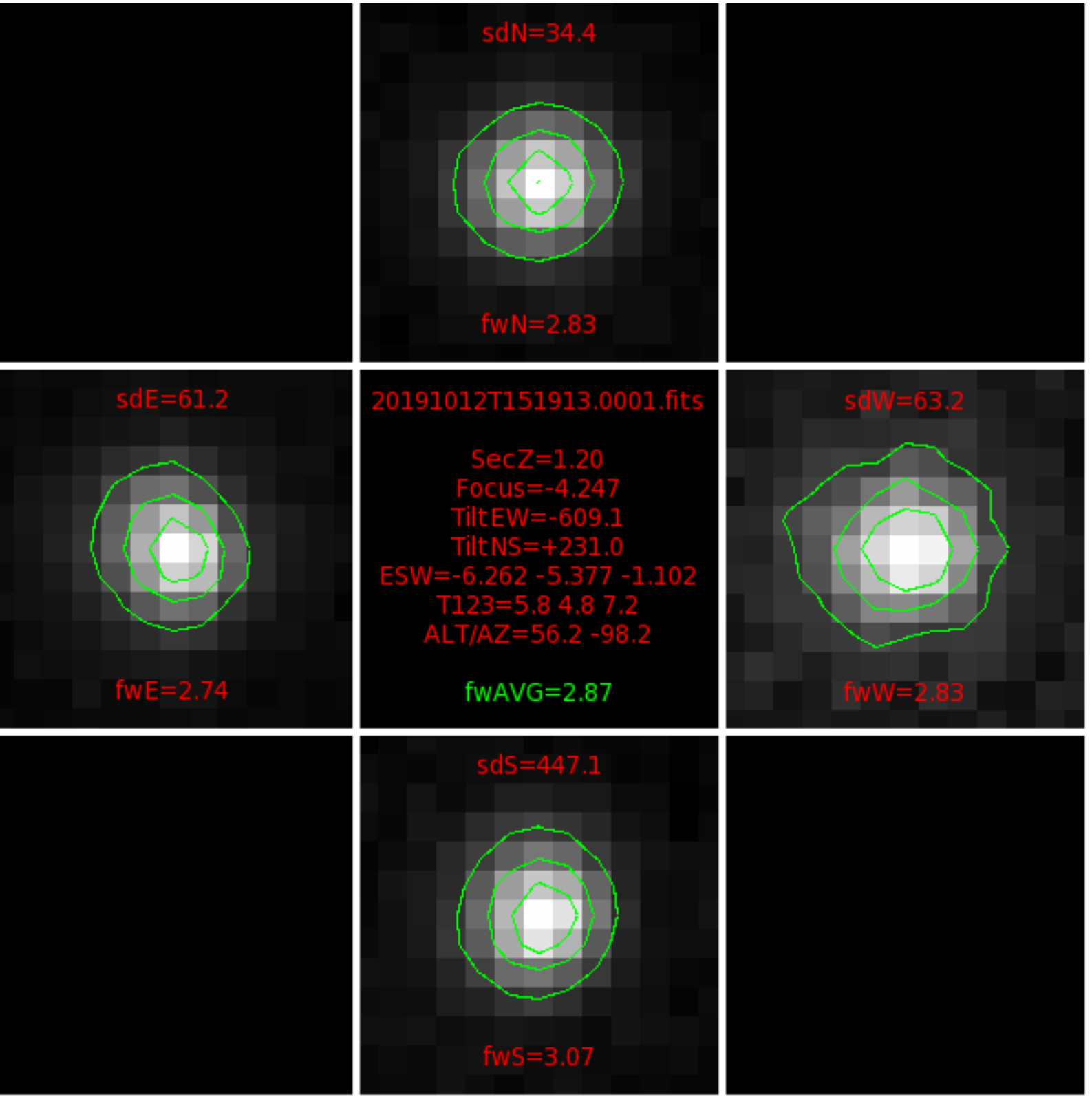
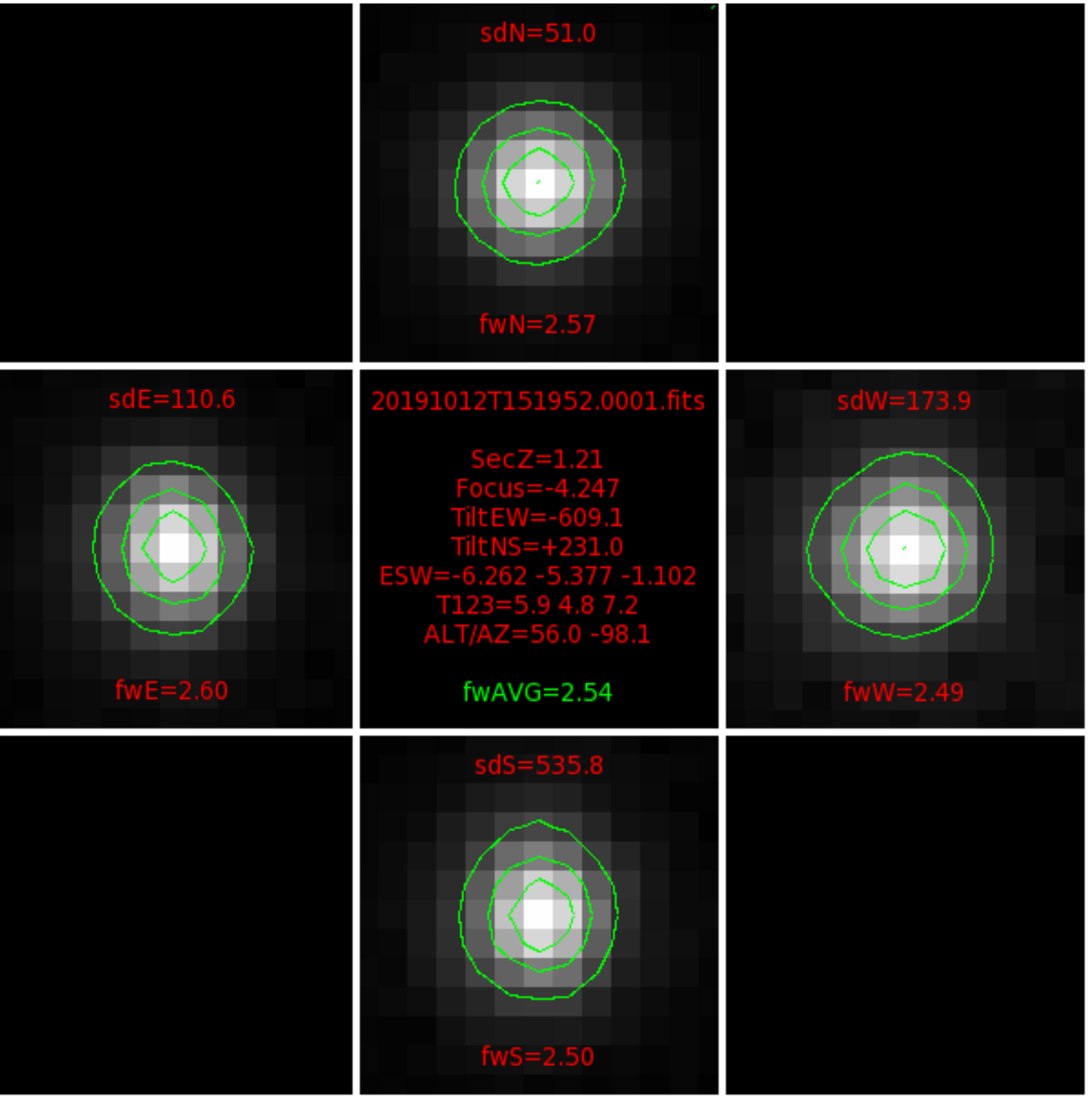

sdN=34.4
fwN=2.83
sdE=61.2
fwE=2.74
20191012T151913.0001.fits
SecZ=1.20
Focus=-4.247
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.262 -5.377 -1.102
T123=5.8 4.8 7.2
ALT/AZ=56.2 -98.2
fwAVG=2.87
sdW=63.2
fwW=2.83
sdS=447.1
fwS=3.07
0 0 0 0 0 0 0 0 0


sdN=51.0
fwN=2.57
sdE=110.6
fwE=2.60
20191012T151952.0001.fits
SecZ=1.21
Focus=-4.247
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.262 -5.377 -1.102
T123=5.9 4.8 7.2
ALT/AZ=56.0 -98.1
fwAVG=2.54
sdW=173.9
fwW=2.49
sdS=535.8
fwS=2.50
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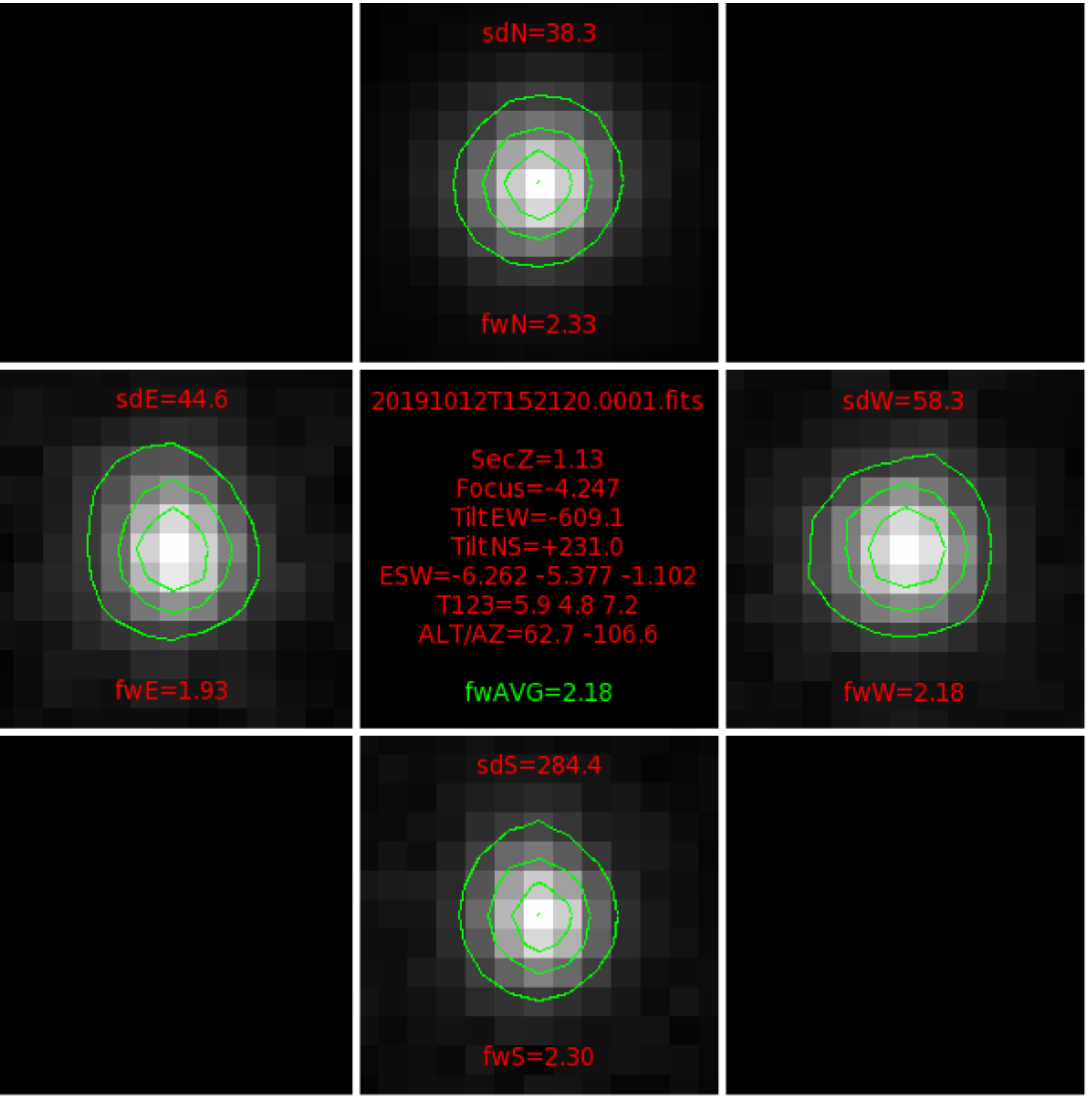
sdN=38.3
fwN=2.33
sdE=44.6
fwE=1.93
20191012T152120.0001.fits
SecZ=1.13
Focus=-4.247
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.262 -5.377 -1.102
T123=5.9 4.8 7.2
ALT/AZ=62.7 -106.6
fwAVG=2.18
sdW=58.3
fwW=2.18
sdS=284.4
fwS=2.30
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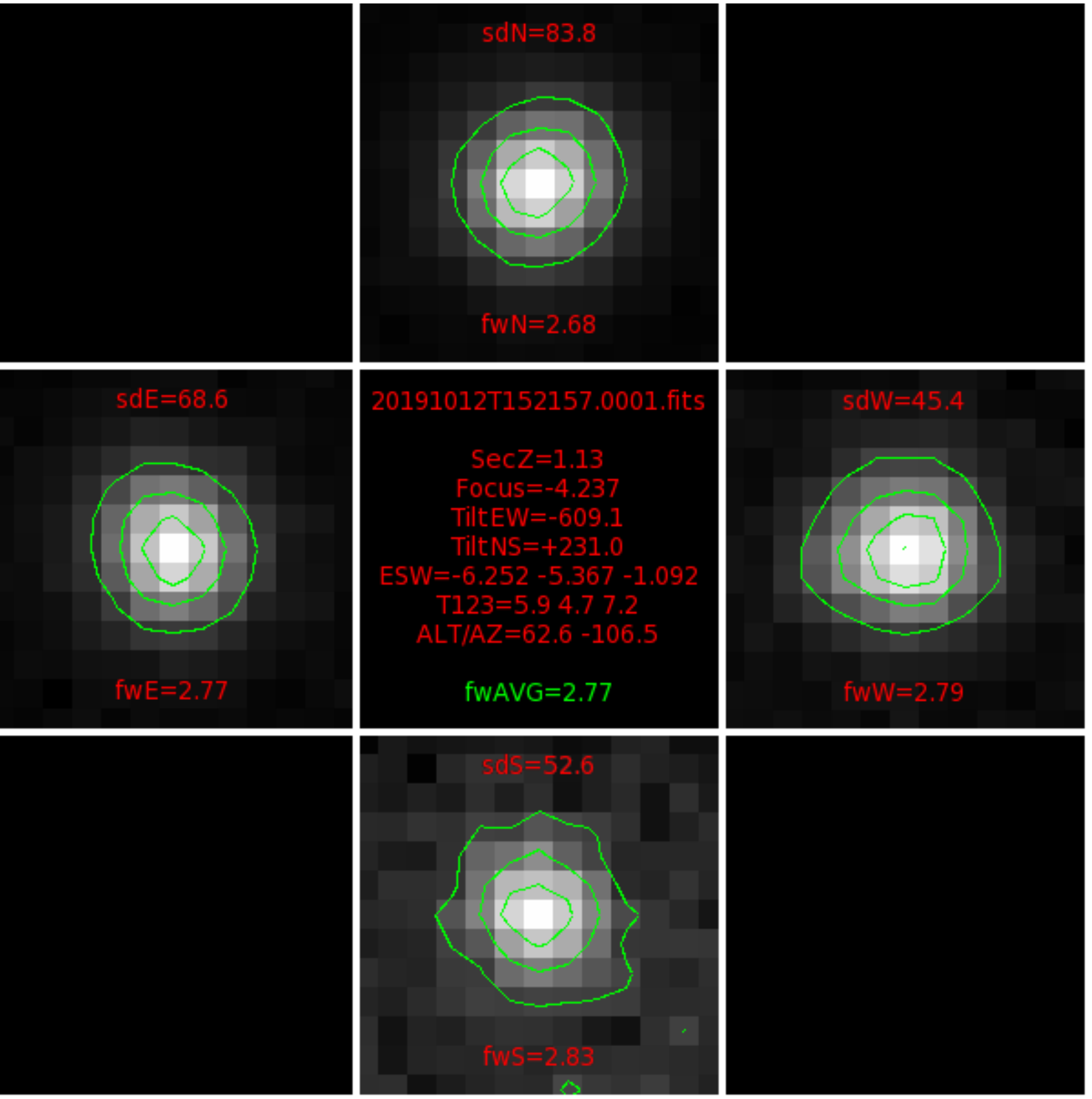
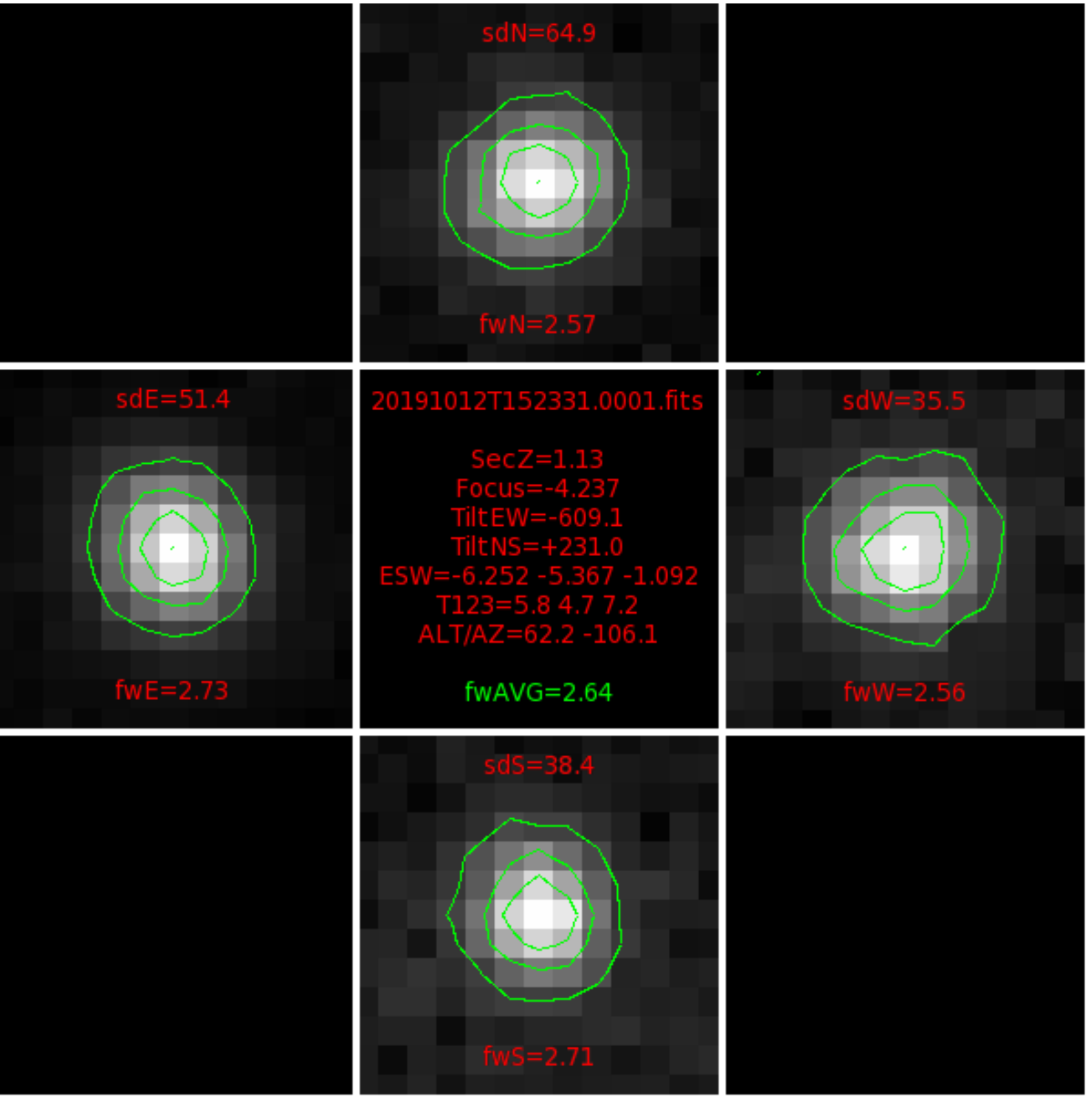
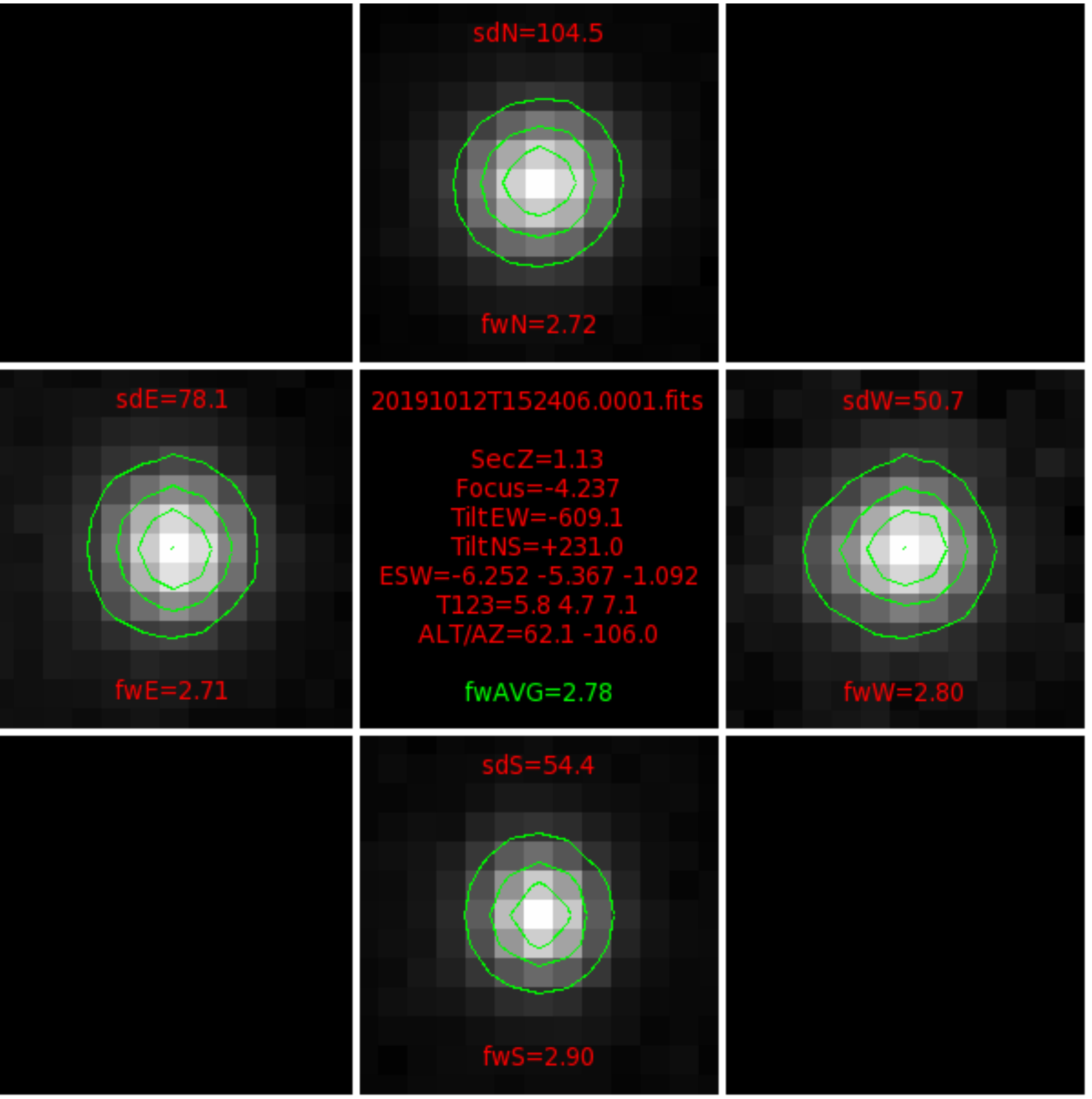

sdN=83.8
fwN=2.68
sdE=68.6
fwE=2.77
20191012T152157.0001.fits
SecZ=1.13
Focus=-4.237
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.252 -5.367 -1.092
T123=5.9 4.7 7.2
ALT/AZ=62.6 -106.5
fwAVG=2.77
sdW=45.4
fwW=2.79
sdS=52.6
fwS=2.83
0 0 0 0 0 0 0 0 0


sdN=64.9
fwN=2.57
sdE=51.4
fwE=2.73
20191012T152331.0001.fits
SecZ=1.13
Focus=-4.237
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.252 -5.367 -1.092
T123=5.8 4.7 7.2
ALT/AZ=62.2 -106.1
fwAVG=2.64
sdW=35.5
fwW=2.56
sdS=38.4
fwS=2.71
0 0 0 0 0 0 0 0 0


sdN=104.5
fwN=2.72
sdE=78.1
fwE=2.71
20191012T152406.0001.fits
SecZ=1.13
Focus=-4.237
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.252 -5.367 -1.092
T123=5.8 4.7 7.1
ALT/AZ=62.1 -106.0
fwAVG=2.78
sdW=50.7
fwW=2.80
sdS=54.4
fwS=2.90
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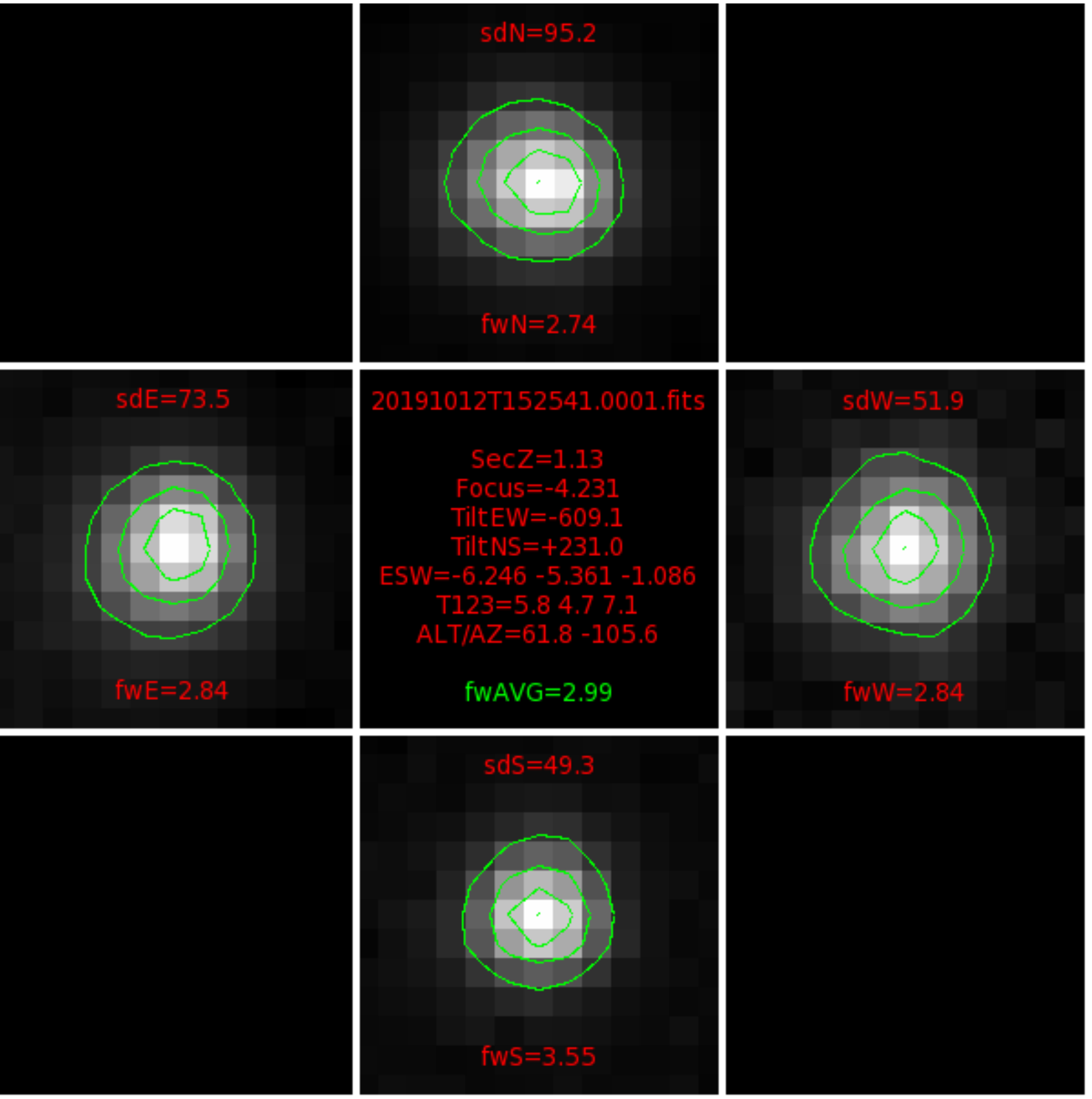
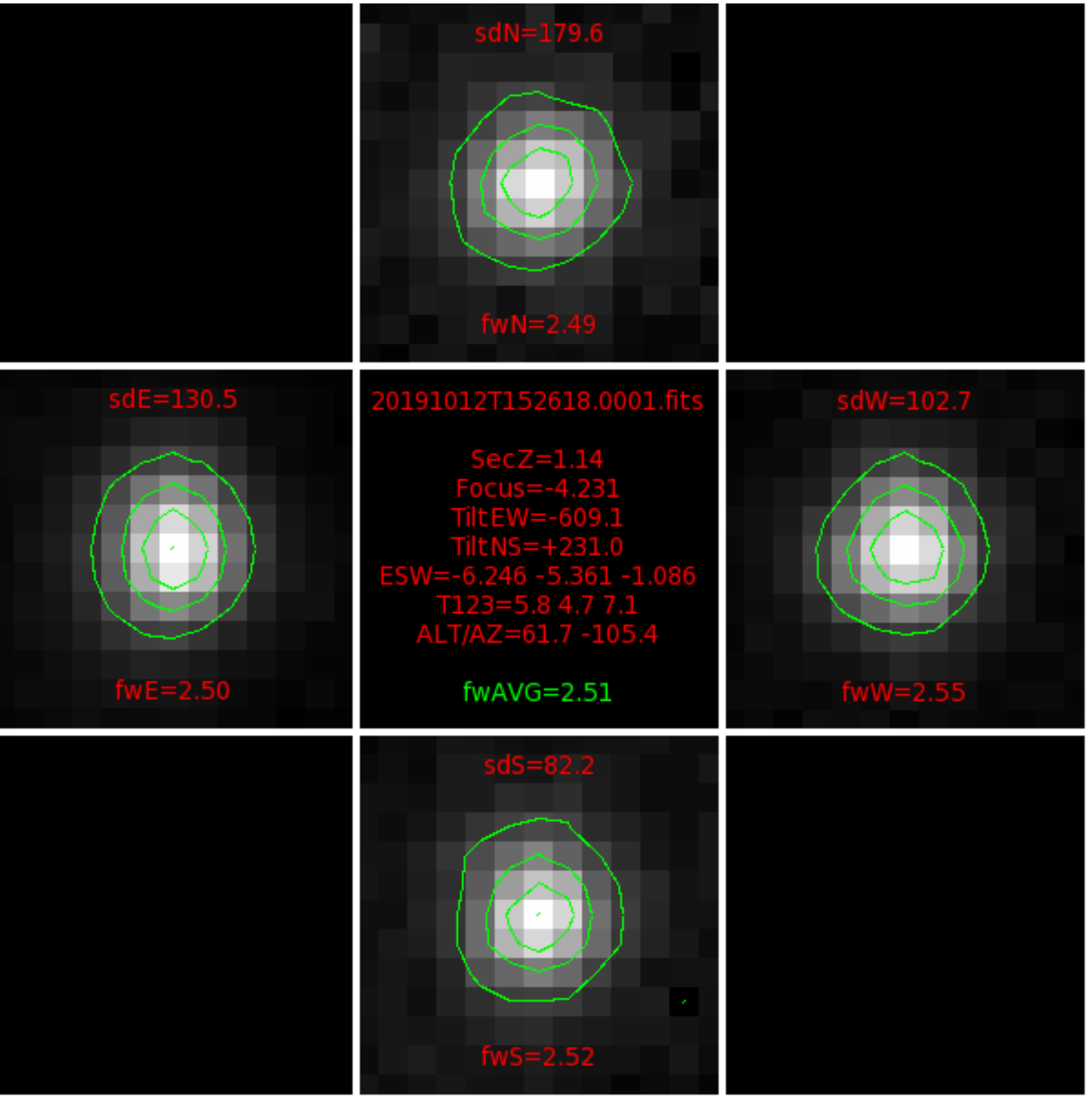
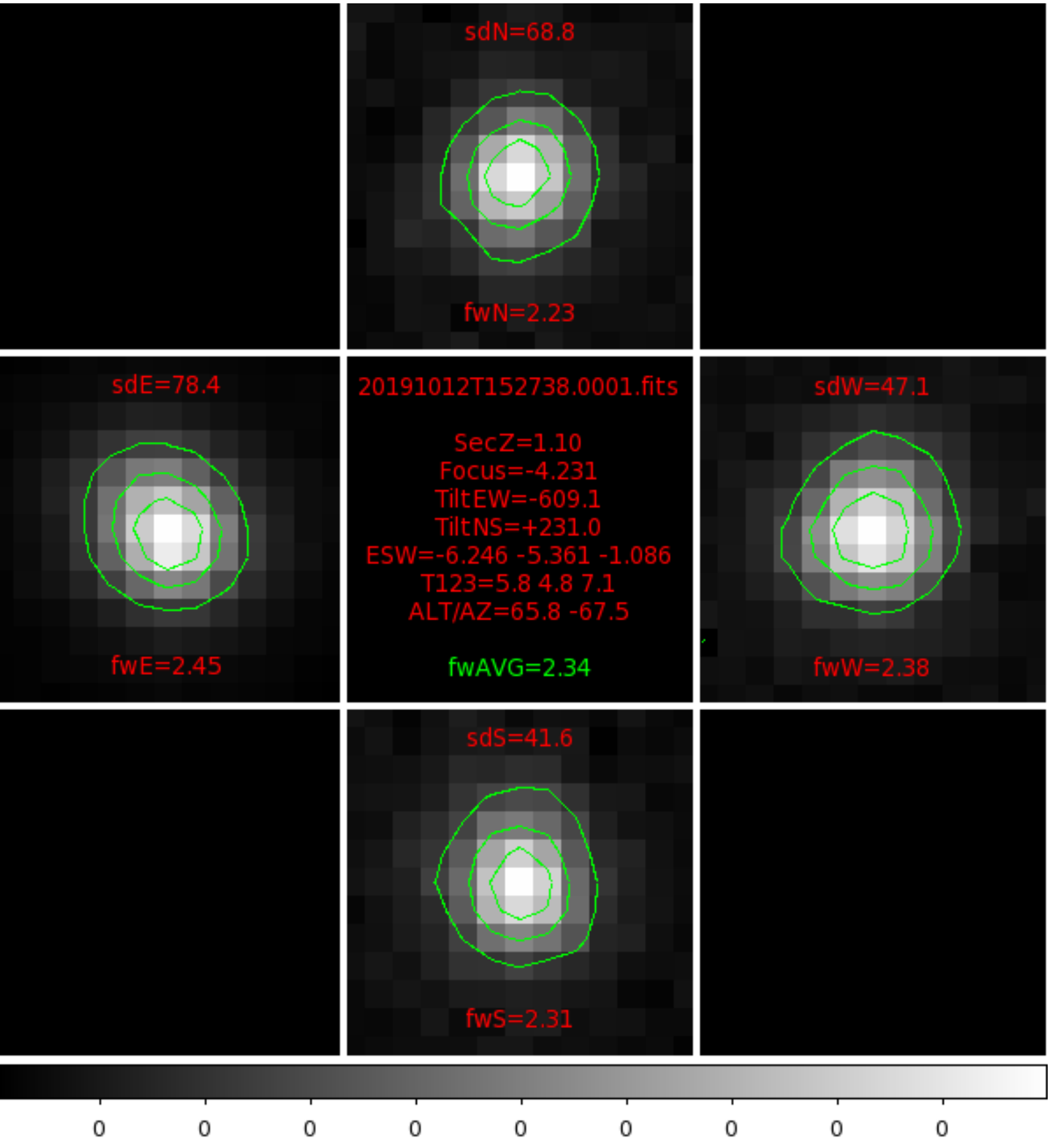

sdN=95.2
fwN=2.74
sdE=73.5
fwE=2.84
20191012T152541.0001.fits
SecZ=1.13
Focus=-4.231
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.246 -5.361 -1.086
T123=5.8 4.7 7.1
ALT/AZ=61.8 -105.6
fwAVG=2.99
sdW=51.9
fwW=2.84
sdS=49.3
fwS=3.55
0 0 0 0 0 0 0 0 0


sdN=179.6
fwN=2.49
sdE=130.5
fwE=2.50
20191012T152618.0001.fits
SecZ=1.14
Focus=-4.231
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.246 -5.361 -1.086
T123=5.8 4.7 7.1
ALT/AZ=61.7 -105.4
fwAVG=2.51
sdW=102.7
fwW=2.55
sdS=82.2
fwS=2.52
0 0 0 0 0 0 0 0 0


sdN=68.8
fwN=2.23
sdE=78.4
fwE=2.45
20191012T152738.0001.fits
SecZ=1.10
Focus=-4.231
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.246 -5.361 -1.086
T123=5.8 4.8 7.1
ALT/AZ=65.8 -67.5
fwAVG=2.34
sdW=47.1
fwW=2.38
sdS=41.6
fwS=2.31
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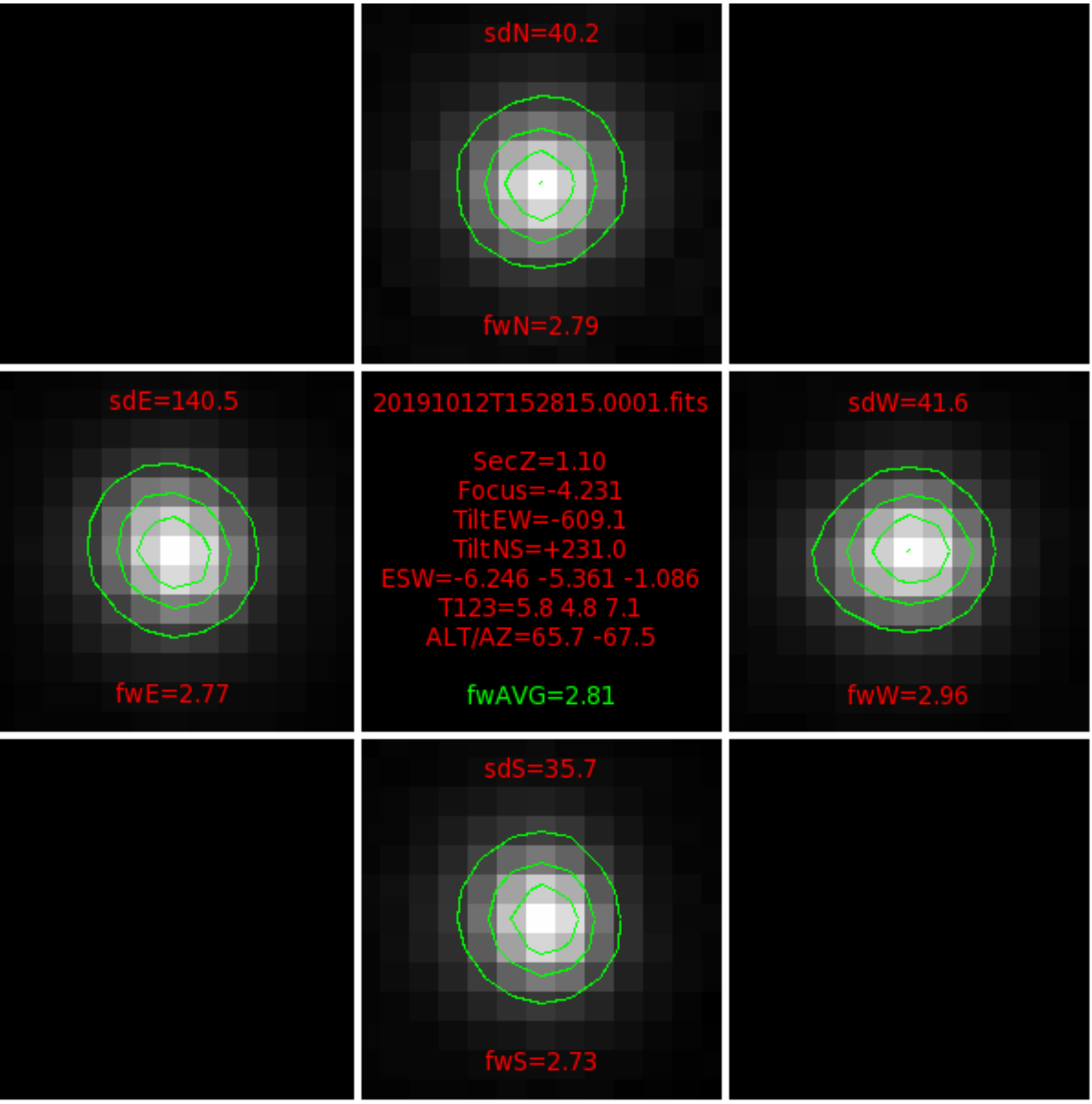
sdN=40.2
fwN=2.79
sdE=140.5
fwE=2.77
20191012T152815.0001.fits
SecZ=1.10
Focus=-4.231
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.246 -5.361 -1.086
T123=5.8 4.8 7.1
ALT/AZ=65.7 -67.5
fwAVG=2.81
sdW=41.6
fwW=2.96
sdS=35.7
fwS=2.73
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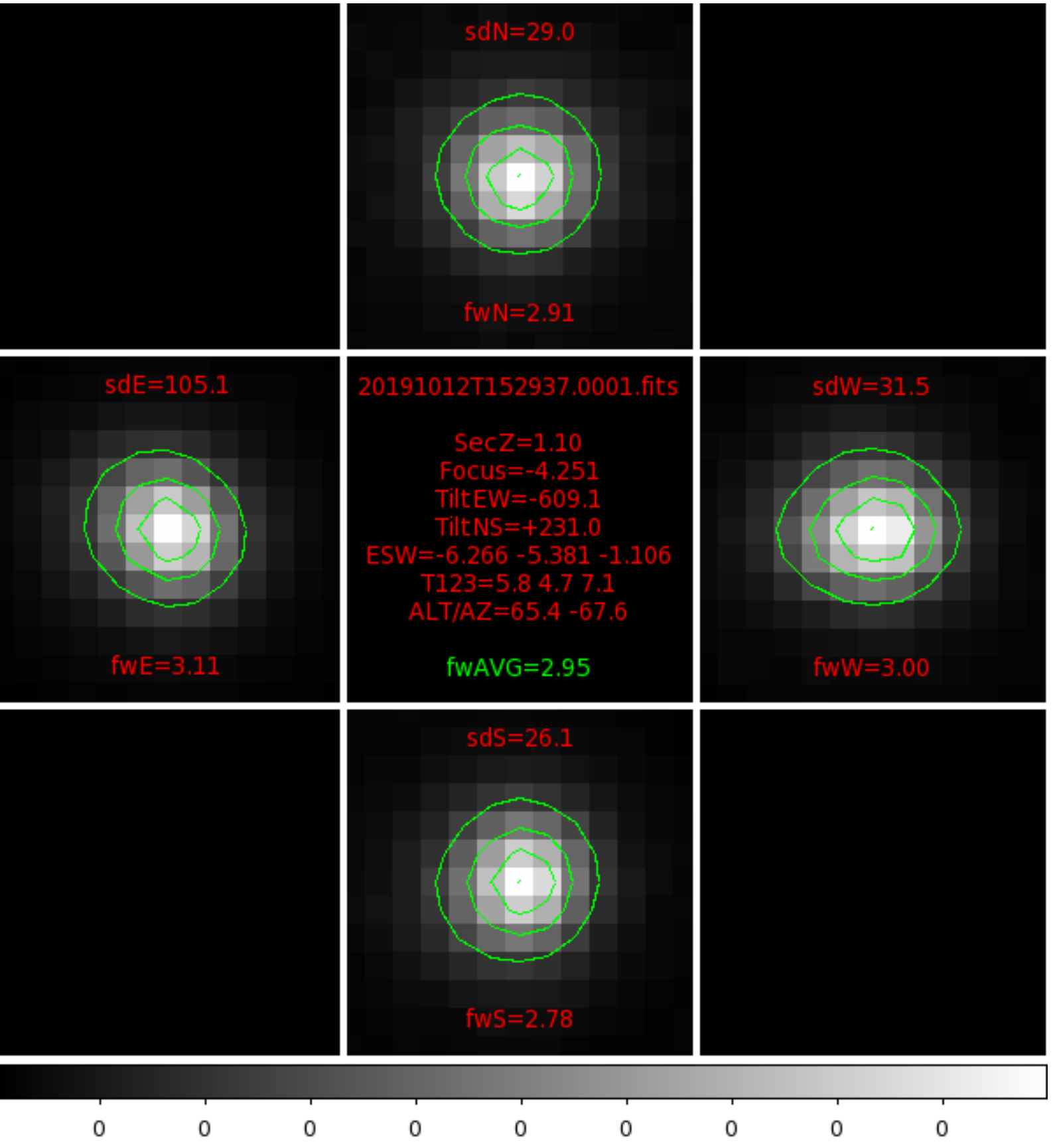
sdN=29.0
fwN=2.91
sdE=105.1
fwE=3.11
20191012T152937.0001.fits
SecZ=1.10
Focus=-4.251
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.266 -5.381 -1.106
T123=5.8 4.7 7.1
ALT/AZ=65.4 -67.6
fwAVG=2.95
sdW=31.5
fwW=3.00
sdS=26.1
fwS=2.78
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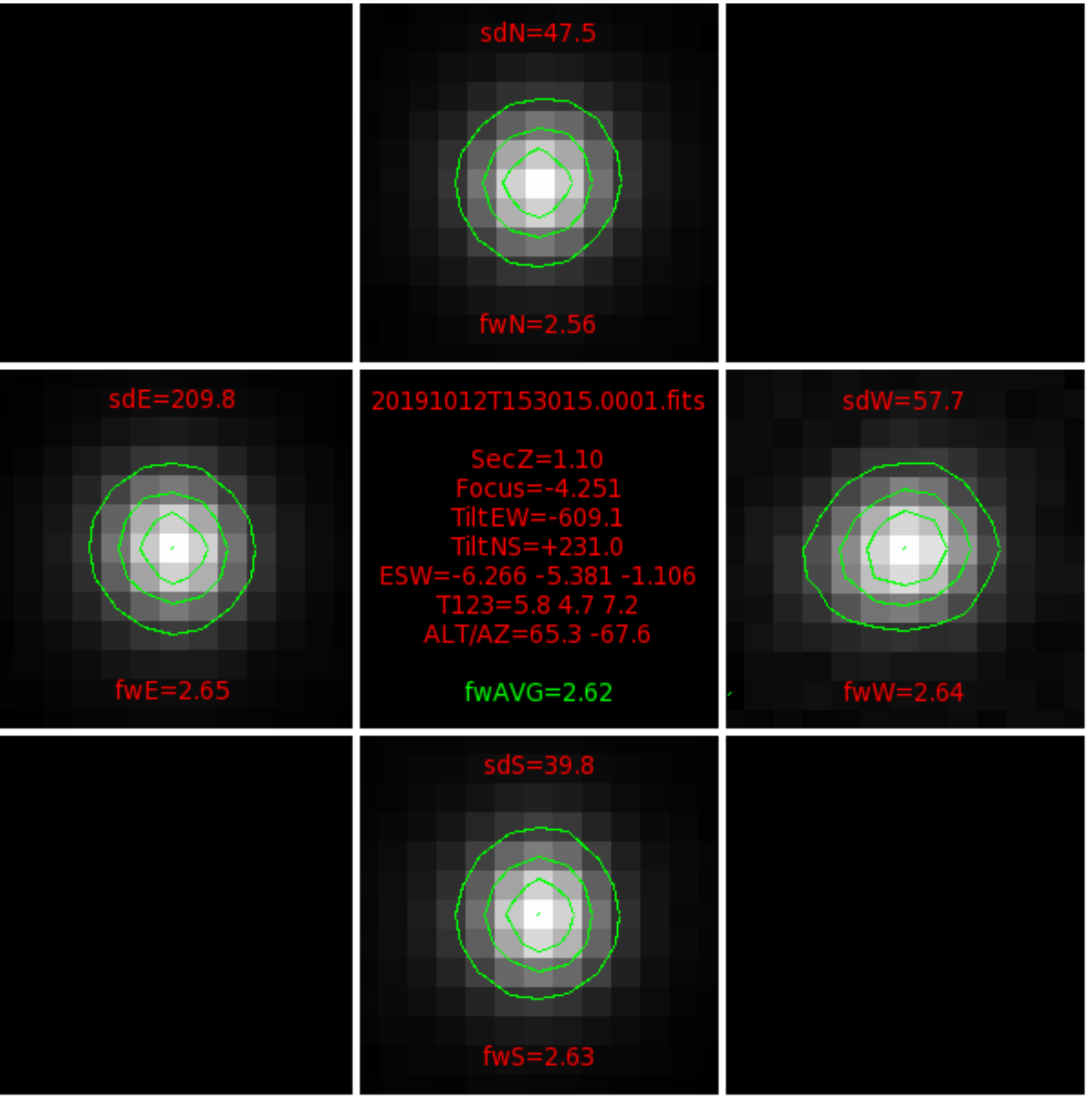
sdN=47.5
fwN=2.56
sdE=209.8
fwE=2.65
20191012T153015.0001.fits
SecZ=1.10
Focus=-4.251
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.266 -5.381 -1.106
T123=5.8 4.7 7.2
ALT/AZ=65.3 -67.6
fwAVG=2.62
sdW=57.7
fwW=2.64
sdS=39.8
fwS=2.63
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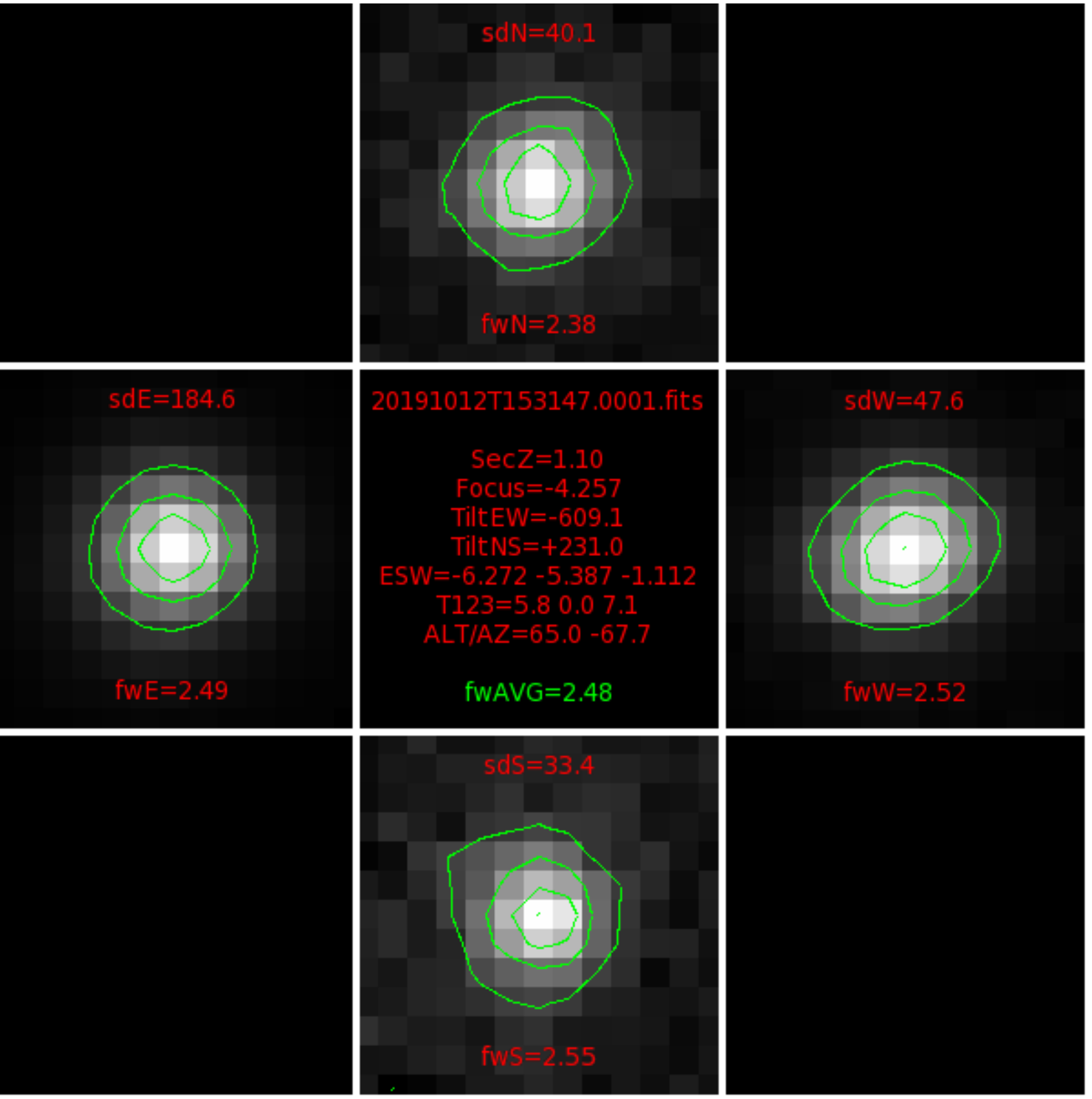
sdN=40.1
fwN=2.38
sdE=184.6
fwE=2.49
20191012T153147.0001.fits
SecZ=1.10
Focus=-4.257
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.272 -5.387 -1.112
T123=5.8 0.0 7.1
ALT/AZ=65.0 -67.7
fwAVG=2.48
sdW=47.6
fwW=2.52
sdS=33.4
fwS=2.55
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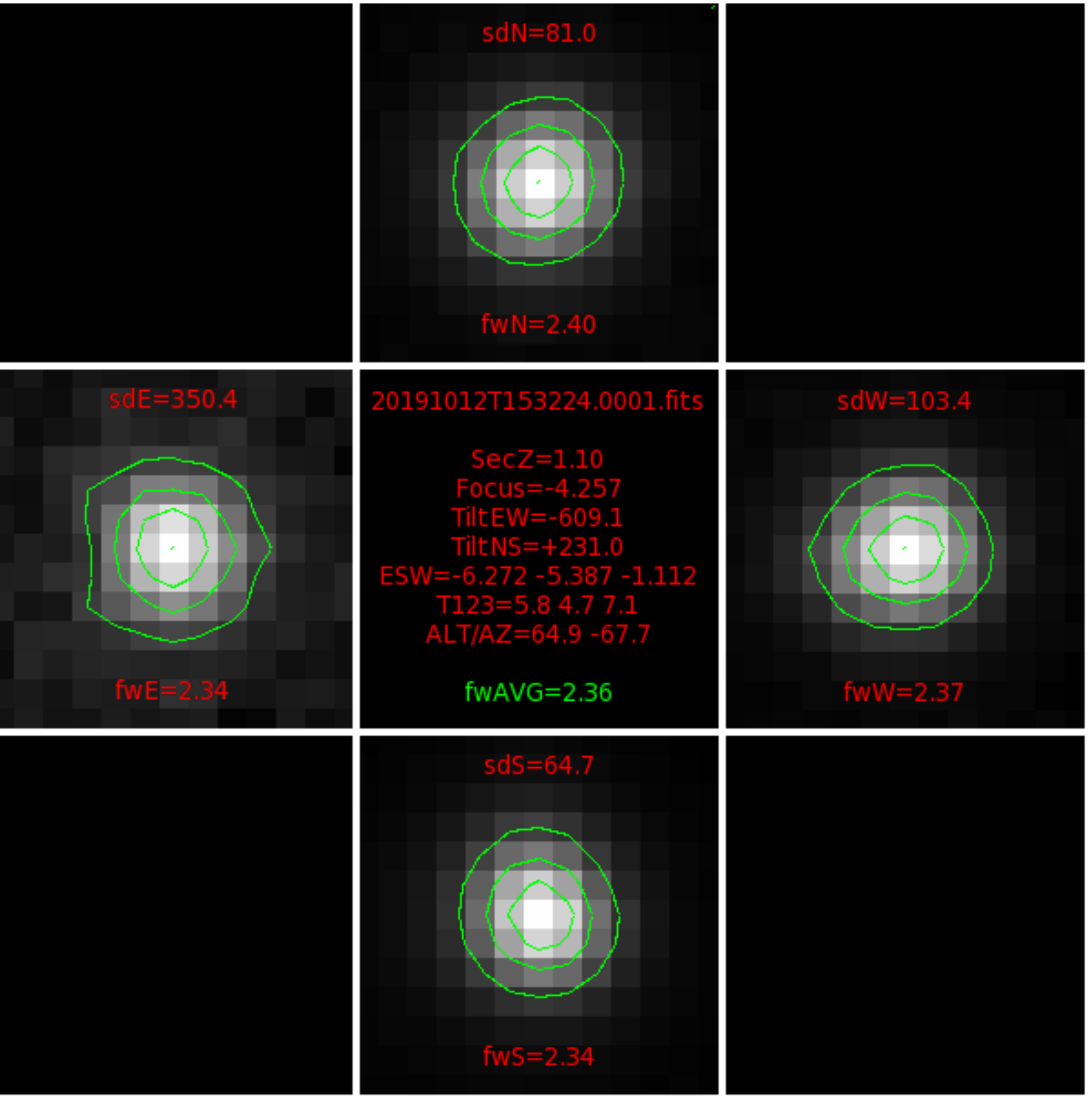
sdN=81.0
fwN=2.40
sdE=350.4
fwE=2.34
20191012T153224.0001.fits
SecZ=1.10
Focus=-4.257
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.272 -5.387 -1.112
T123=5.8 4.7 7.1
ALT/AZ=64.9 -67.7
fwAVG=2.36
sdW=103.4
fwW=2.37
sdS=64.7
fwS=2.34
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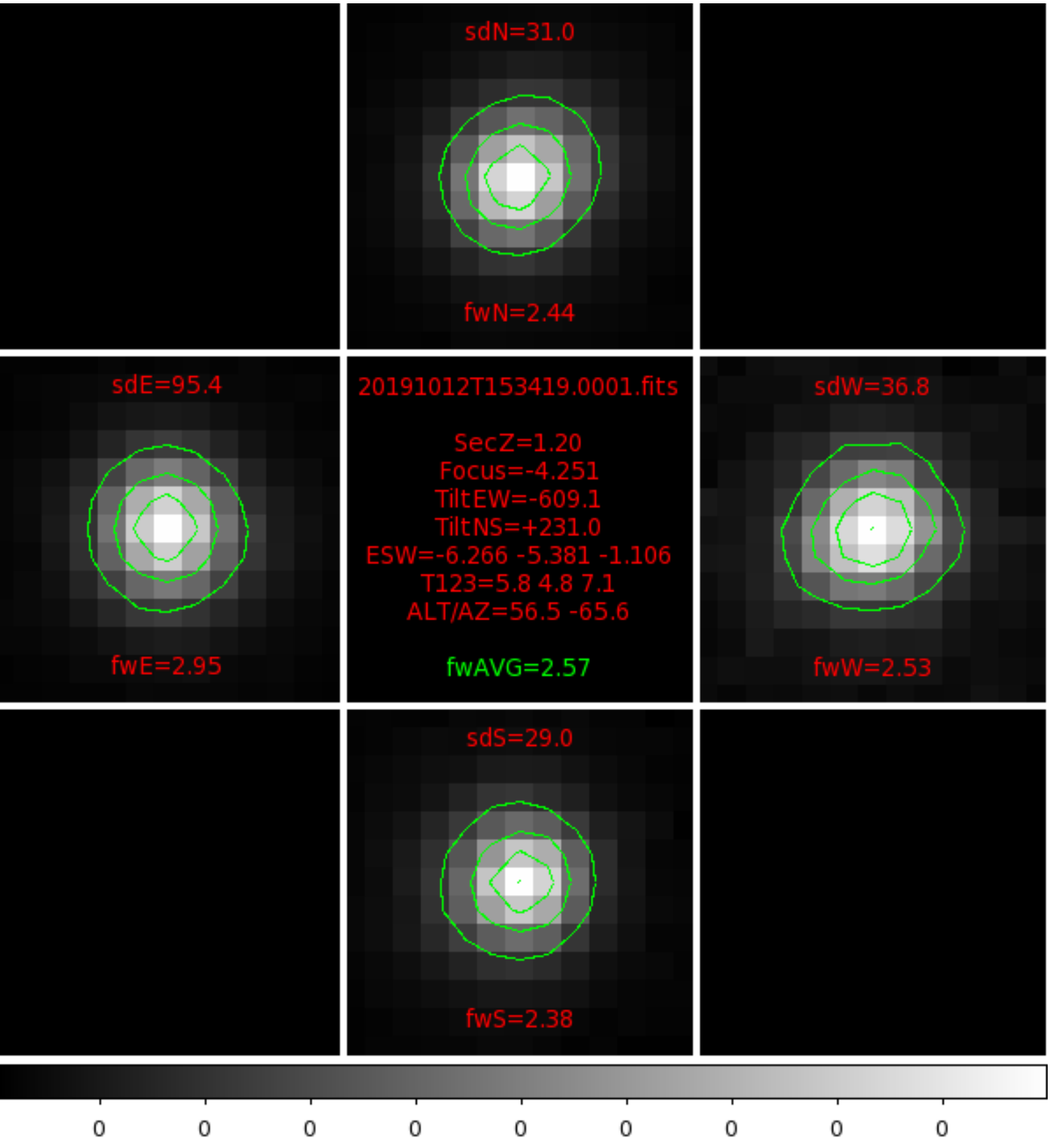
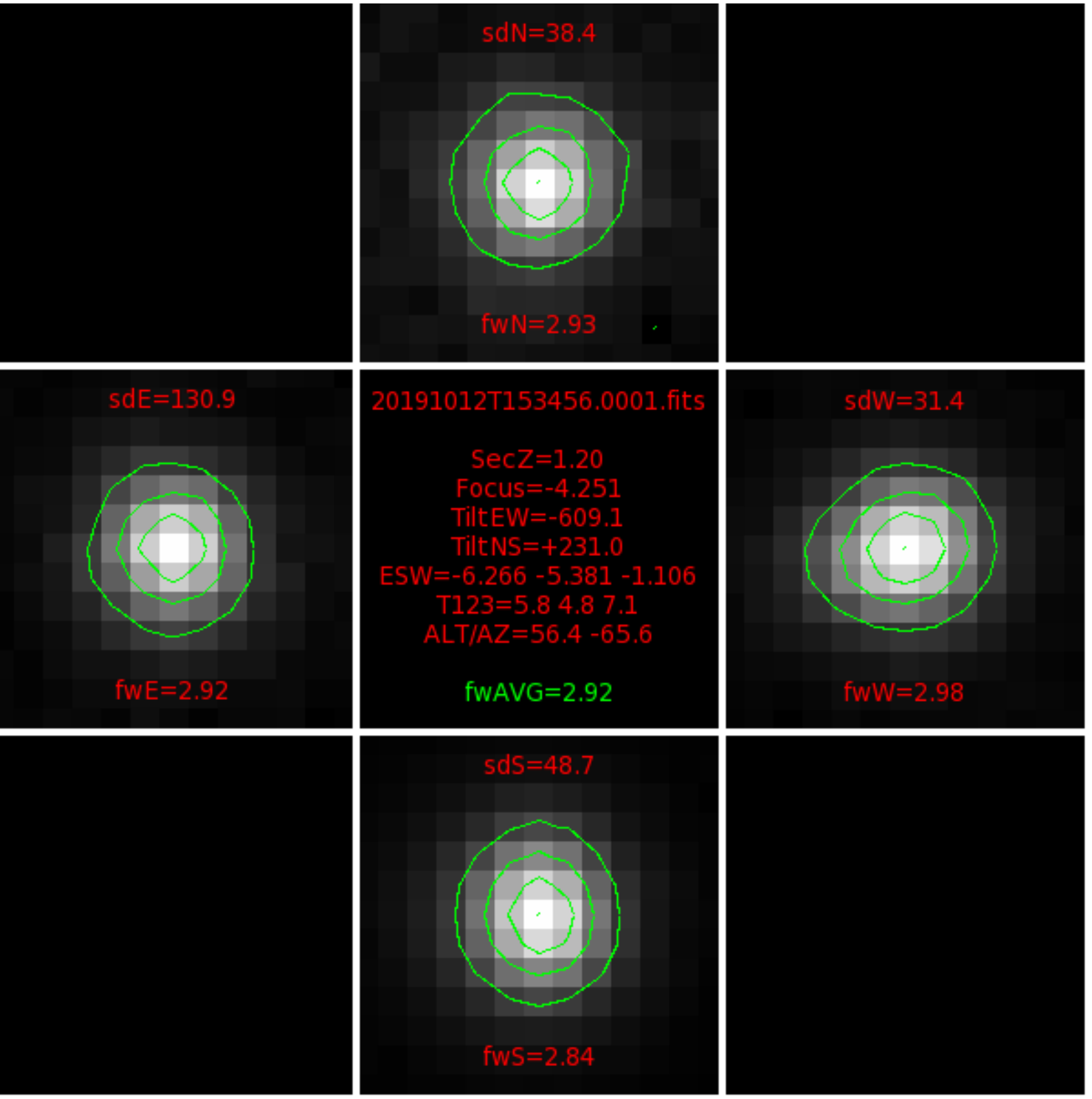
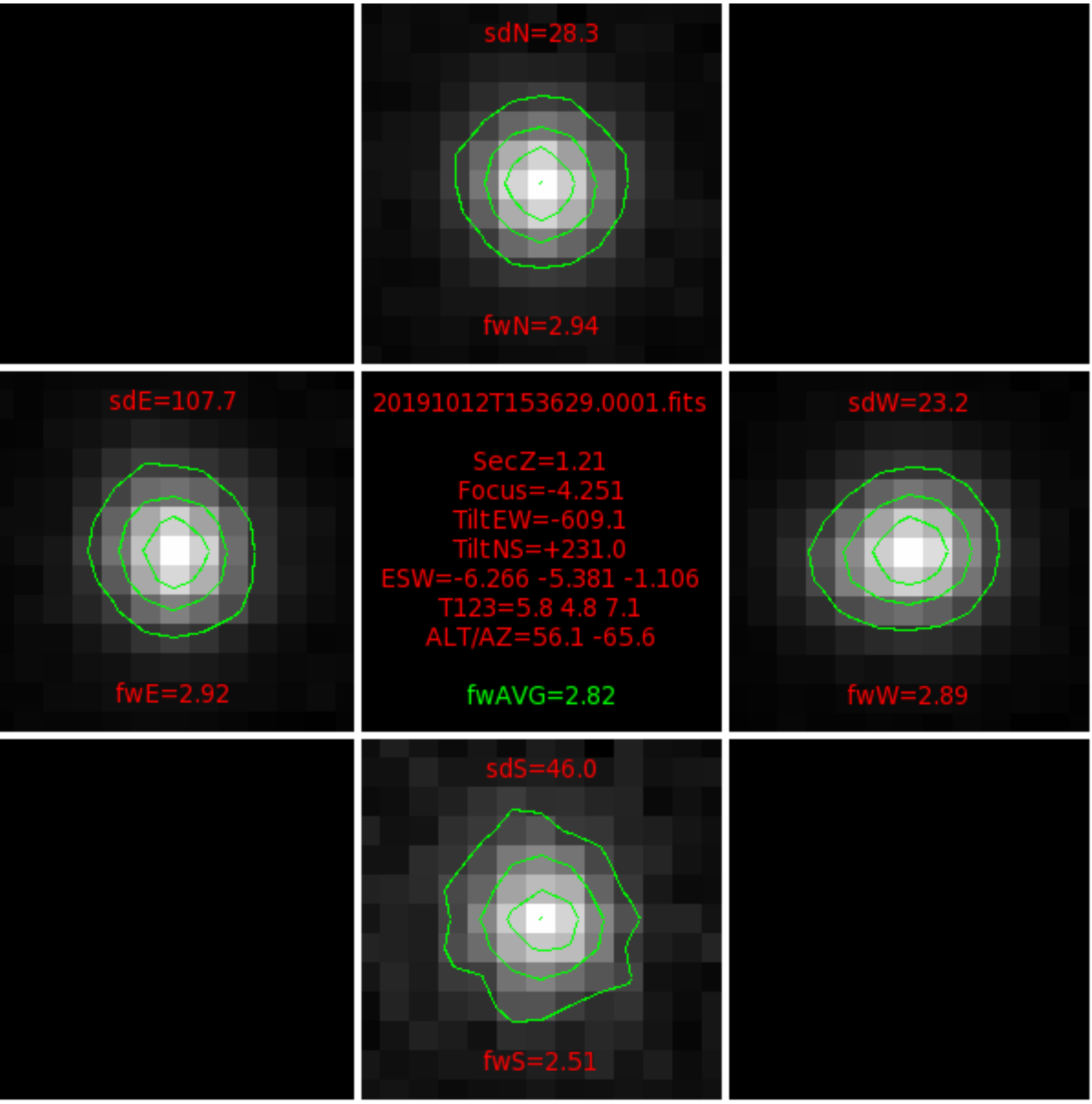
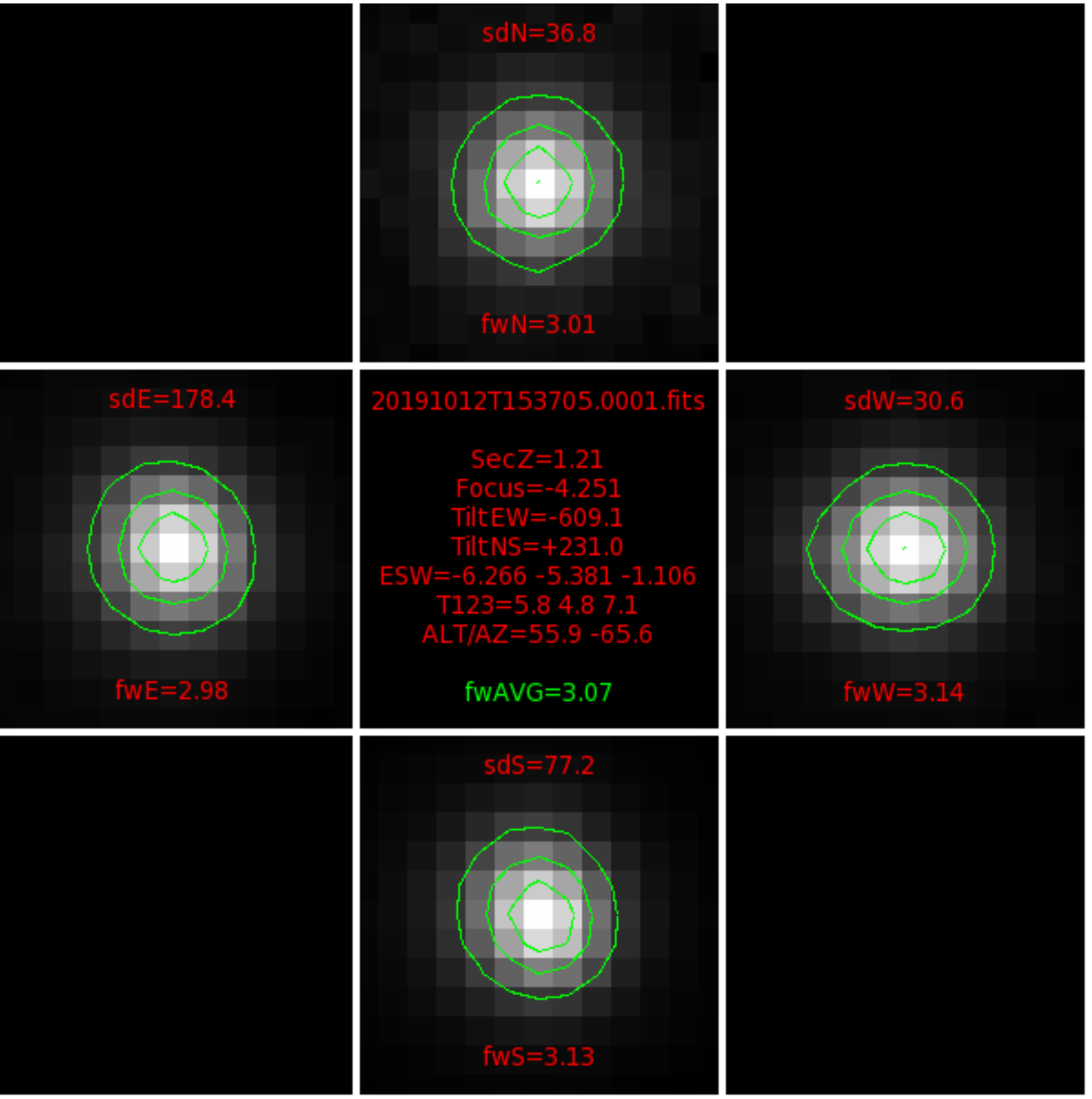
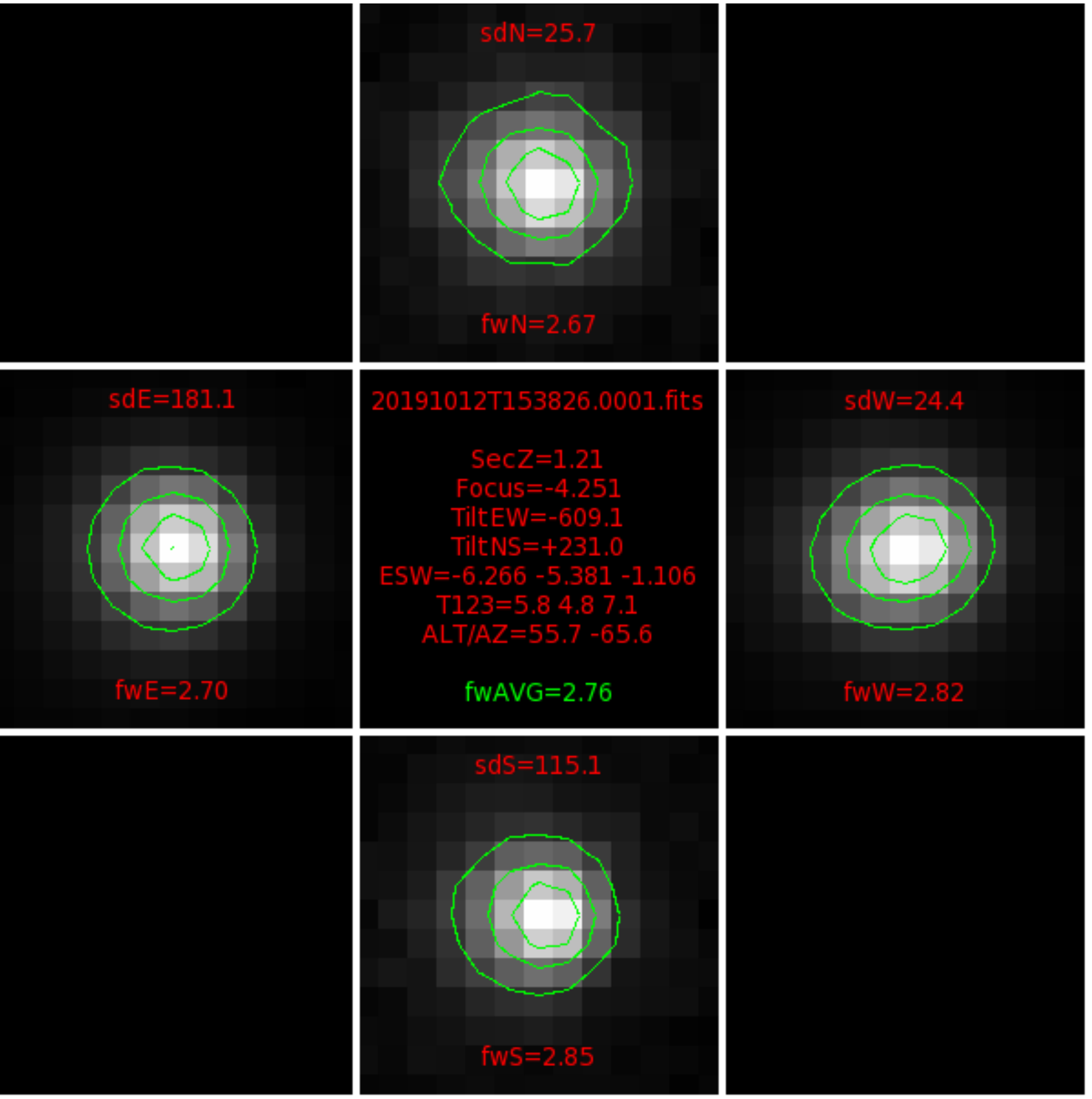
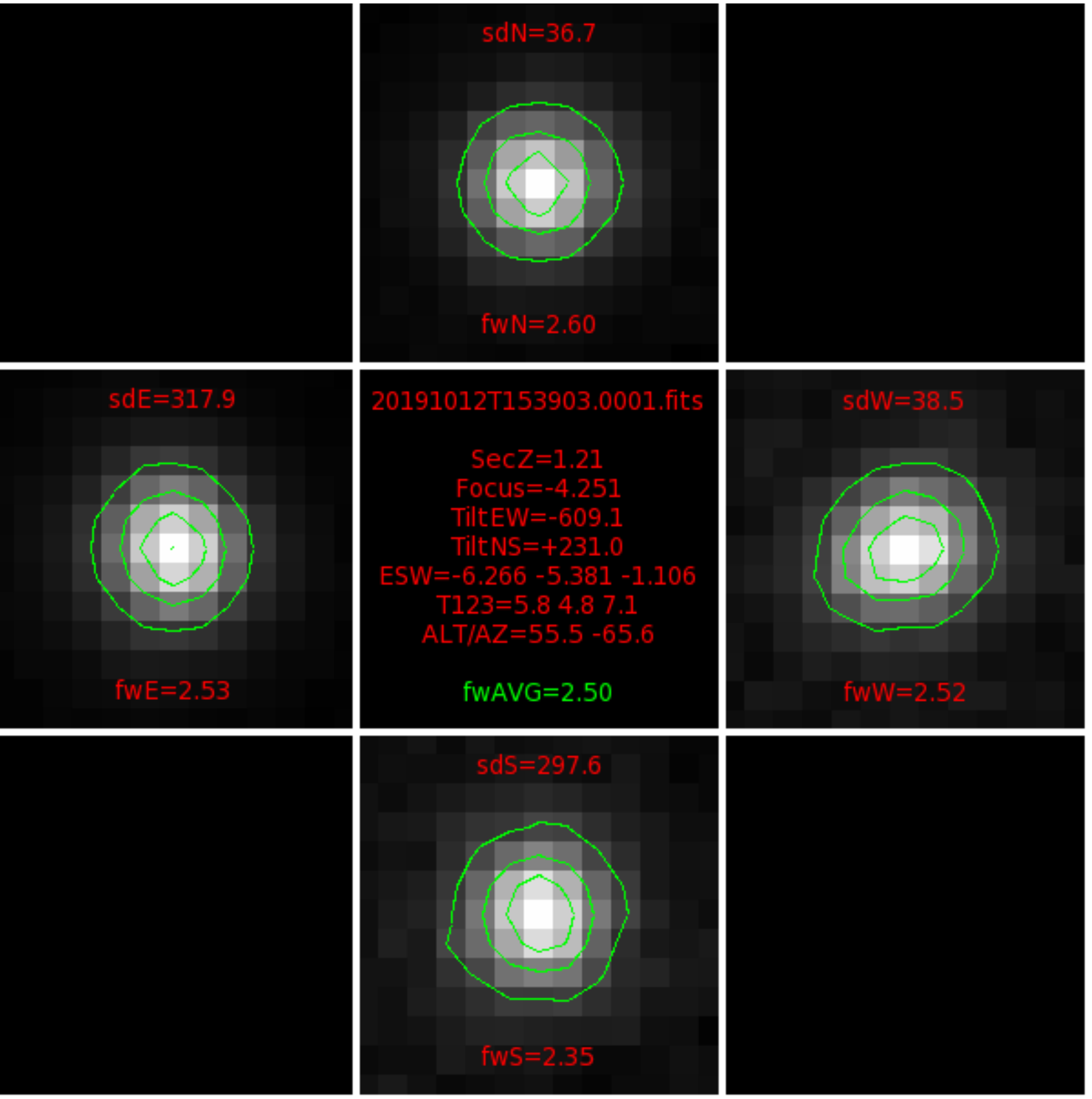

sdN=31.0
fwN=2.44
sdE=95.4
fwE=2.95
20191012T153419.0001.fits
SecZ=1.20
Focus=-4.251
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.266 -5.381 -1.106
T123=5.8 4.8 7.1
ALT/AZ=56.5 -65.6
fwAVG=2.57
sdW=36.8
fwW=2.53
sdS=29.0
fwS=2.38
0 0 0 0 0 0 0 0 0

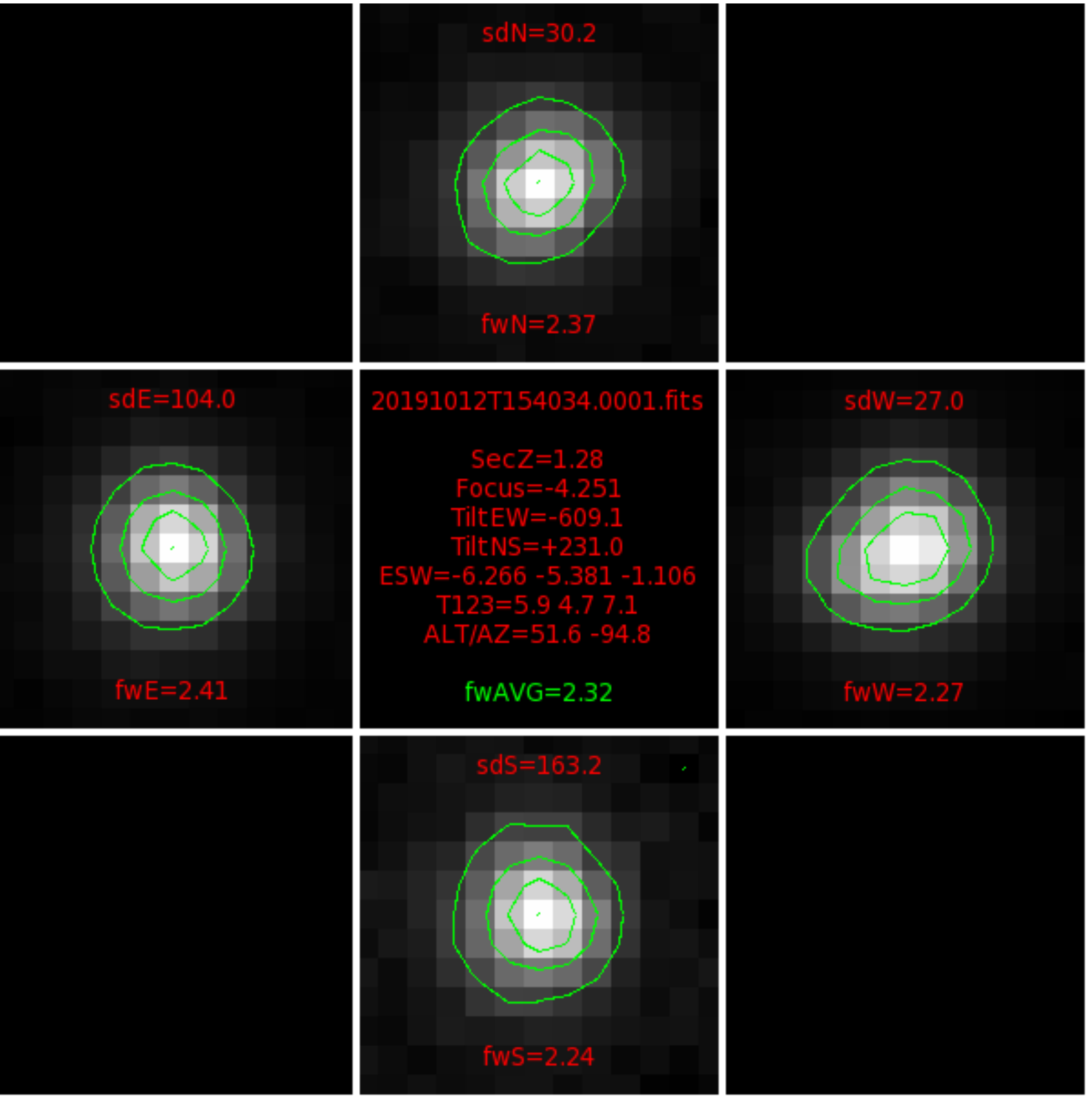

sdN=38.4
fwN=2.93
sdE=130.9
fwE=2.92
20191012T153456.0001.fits
SecZ=1.20
Focus=-4.251
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.266 -5.381 -1.106
T123=5.8 4.8 7.1
ALT/AZ=56.4 -65.6
fwAVG=2.92
sdW=31.4
fwW=2.98
sdS=48.7
fwS=2.84
0 0 0 0 0 0 0 0 0


sdN=28.3
fwN=2.94
sdE=107.7
fwE=2.92
20191012T153629.0001.fits
SecZ=1.21
Focus=-4.251
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.266 -5.381 -1.106
T123=5.8 4.8 7.1
ALT/AZ=56.1 -65.6
fwAVG=2.82
sdW=23.2
fwW=2.89
sdS=46.0
fwS=2.51
0 0 0 0 0 0 0 0 0


sdN=36.8
fwN=3.01
sdE=178.4
fwE=2.98
20191012T153705.0001.fits
SecZ=1.21
Focus=-4.251
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.266 -5.381 -1.106
T123=5.8 4.8 7.1
ALT/AZ=55.9 -65.6
fwAVG=3.07
sdW=30.6
fwW=3.14
sdS=77.2
fwS=3.13
0 0 0 0 0 0 0 0 0


sdN=25.7
fwN=2.67
sdE=181.1
fwE=2.70
20191012T153826.0001.fits
SecZ=1.21
Focus=-4.251
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.266 -5.381 -1.106
T123=5.8 4.8 7.1
ALT/AZ=55.7 -65.6
fwAVG=2.76
sdW=24.4
fwW=2.82
sdS=115.1
fwS=2.85
0 0 0 0 0 0 0 0 0


sdN=36.7
fwN=2.60
sdE=317.9
fwE=2.53
20191012T153903.0001.fits
SecZ=1.21
Focus=-4.251
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.266 -5.381 -1.106
T123=5.8 4.8 7.1
ALT/AZ=55.5 -65.6
fwAVG=2.50
sdW=38.5
fwW=2.52
sdS=297.6
fwS=2.35
0 0 0 0 0 0 0 0 0


sdN=30.2
fwN=2.37
sdE=104.0
fwE=2.41
20191012T154034.0001.fits
SecZ=1.28
Focus=-4.251
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.266 -5.381 -1.106
T123=5.9 4.7 7.1
ALT/AZ=51.6 -94.8
fwAVG=2.32
sdW=27.0
fwW=2.27
sdS=163.2
fwS=2.24
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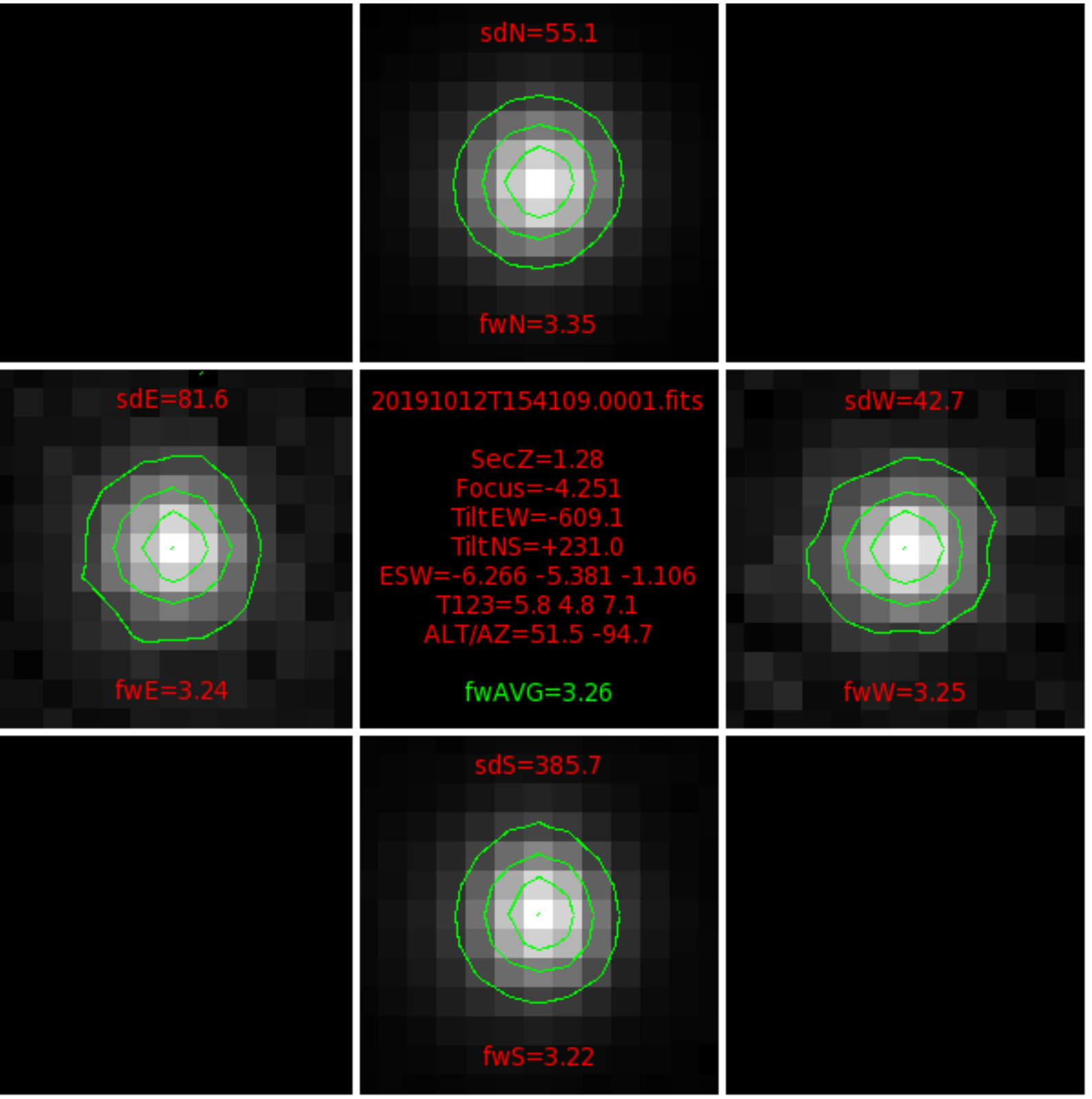
sdN=55.1
fwN=3.35
sdE=81.6
fwE=3.24
20191012T154109.0001.fits
SecZ=1.28
Focus=-4.251
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.266 -5.381 -1.106
T123=5.8 4.8 7.1
ALT/AZ=51.5 -94.7
fwAVG=3.26
sdW=42.7
fwW=3.25
sdS=385.7
fwS=3.22
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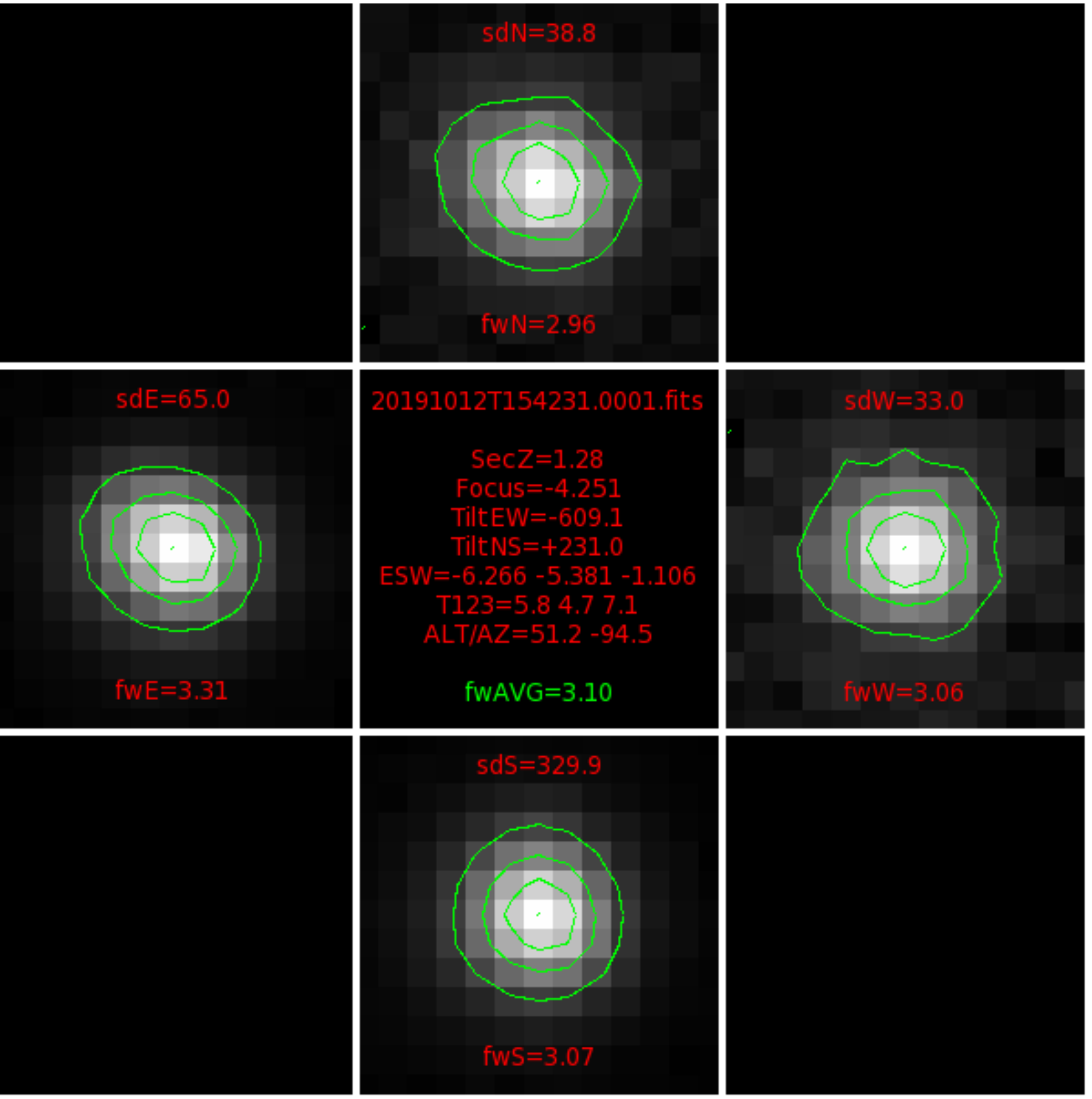
sdN=38.8
fwN=2.96
sdE=65.0
fwE=3.31
20191012T154231.0001.fits
SecZ=1.28
Focus=-4.251
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.266 -5.381 -1.106
T123=5.8 4.7 7.1
ALT/AZ=51.2 -94.5
fwAVG=3.10
sdW=33.0
fwW=3.06
sdS=329.9
fwS=3.07
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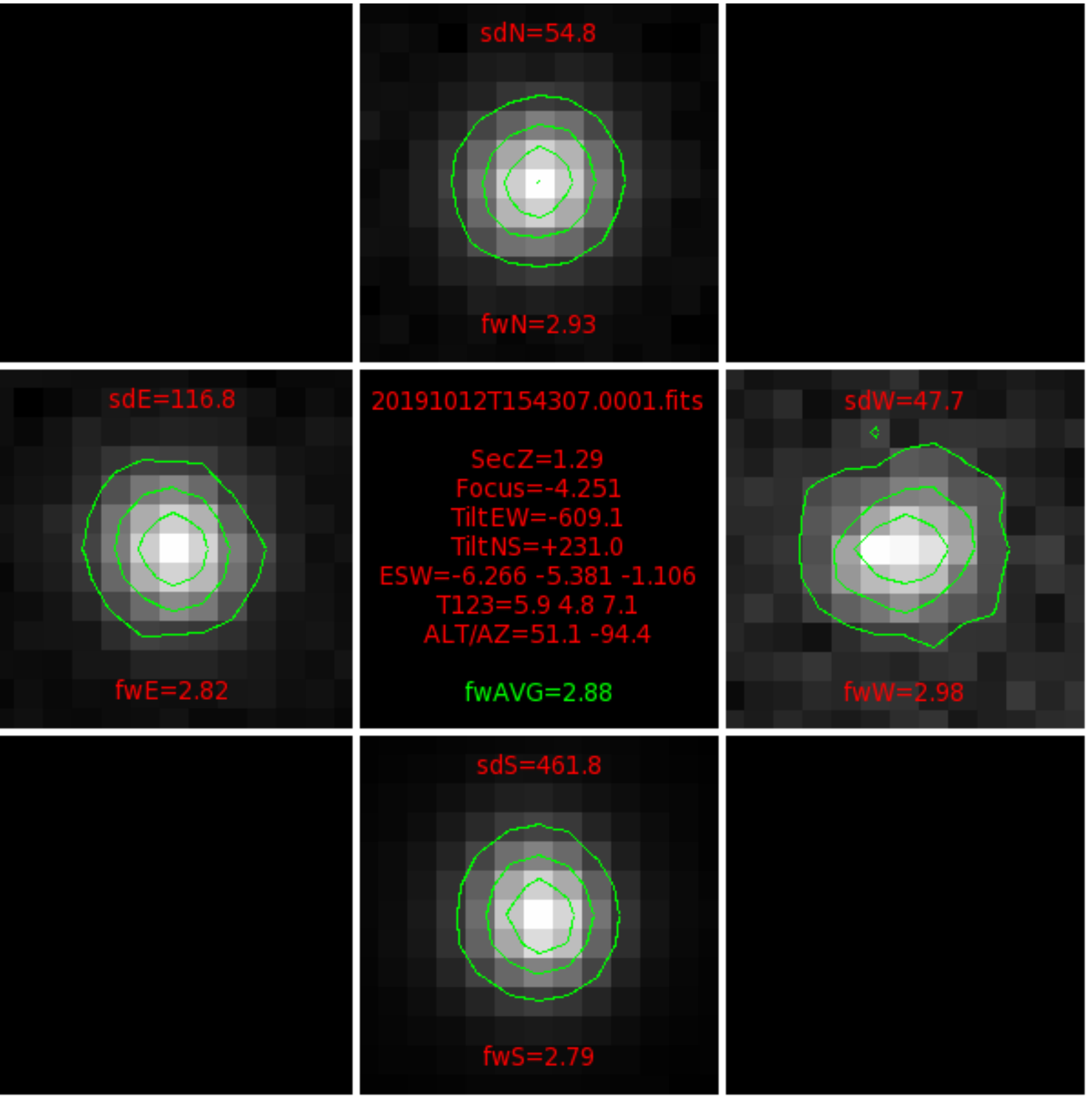
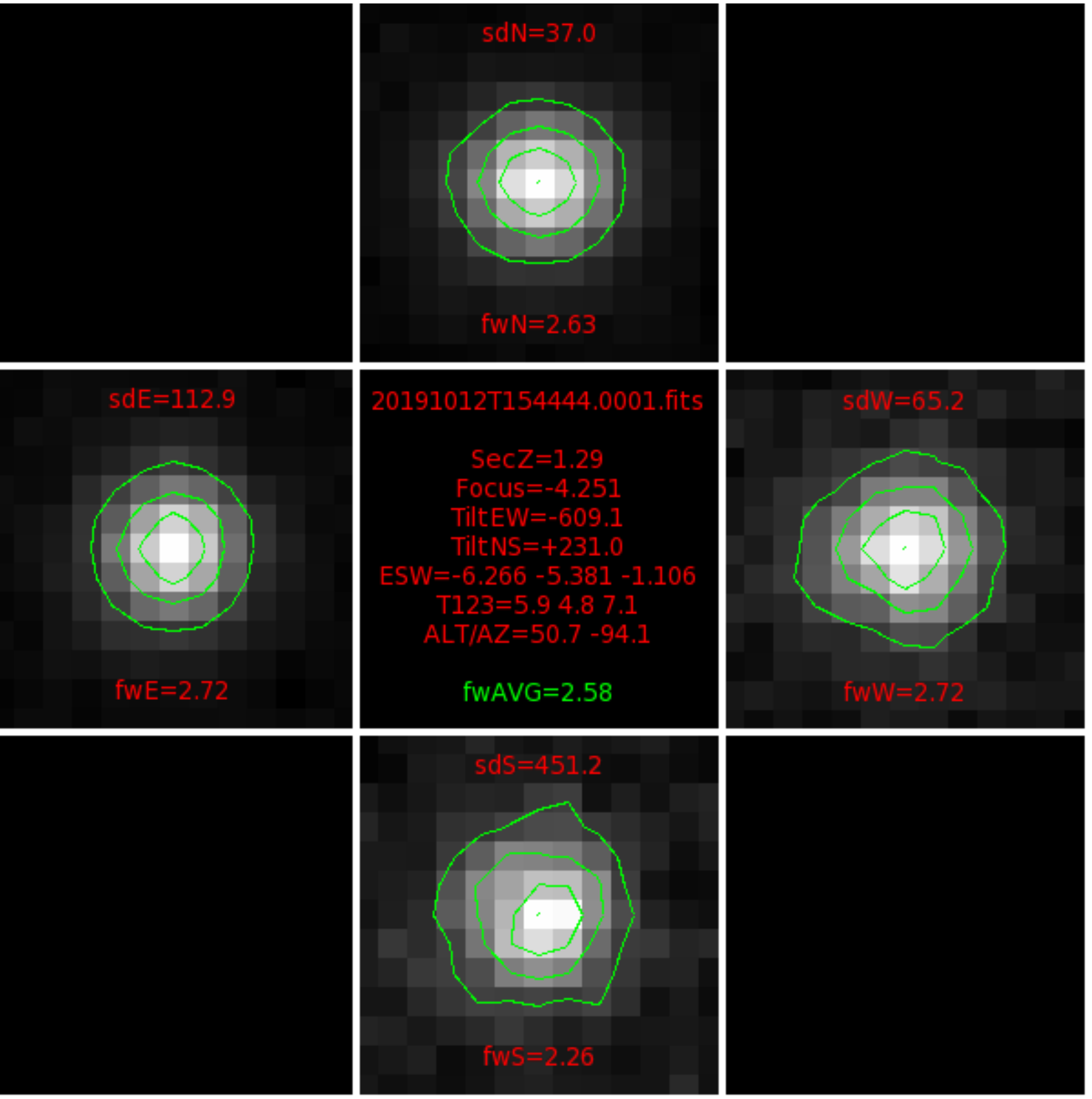

sdN=54.8
fwN=2.93
sdE=116.8
fwE=2.82
20191012T154307.0001.fits
SecZ=1.29
Focus=-4.251
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.266 -5.381 -1.106
T123=5.9 4.8 7.1
ALT/AZ=51.1 -94.4
fwAVG=2.88
sdW=47.7
fwW=2.98
sdS=461.8
fwS=2.79
0 0 0 0 0 0 0 0 0


sdN=37.0
fwN=2.63
sdE=112.9
fwE=2.72
20191012T154444.0001.fits
SecZ=1.29
Focus=-4.251
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.266 -5.381 -1.106
T123=5.9 4.8 7.1
ALT/AZ=50.7 -94.1
fwAVG=2.58
sdW=65.2
fwW=2.72
sdS=451.2
fwS=2.26
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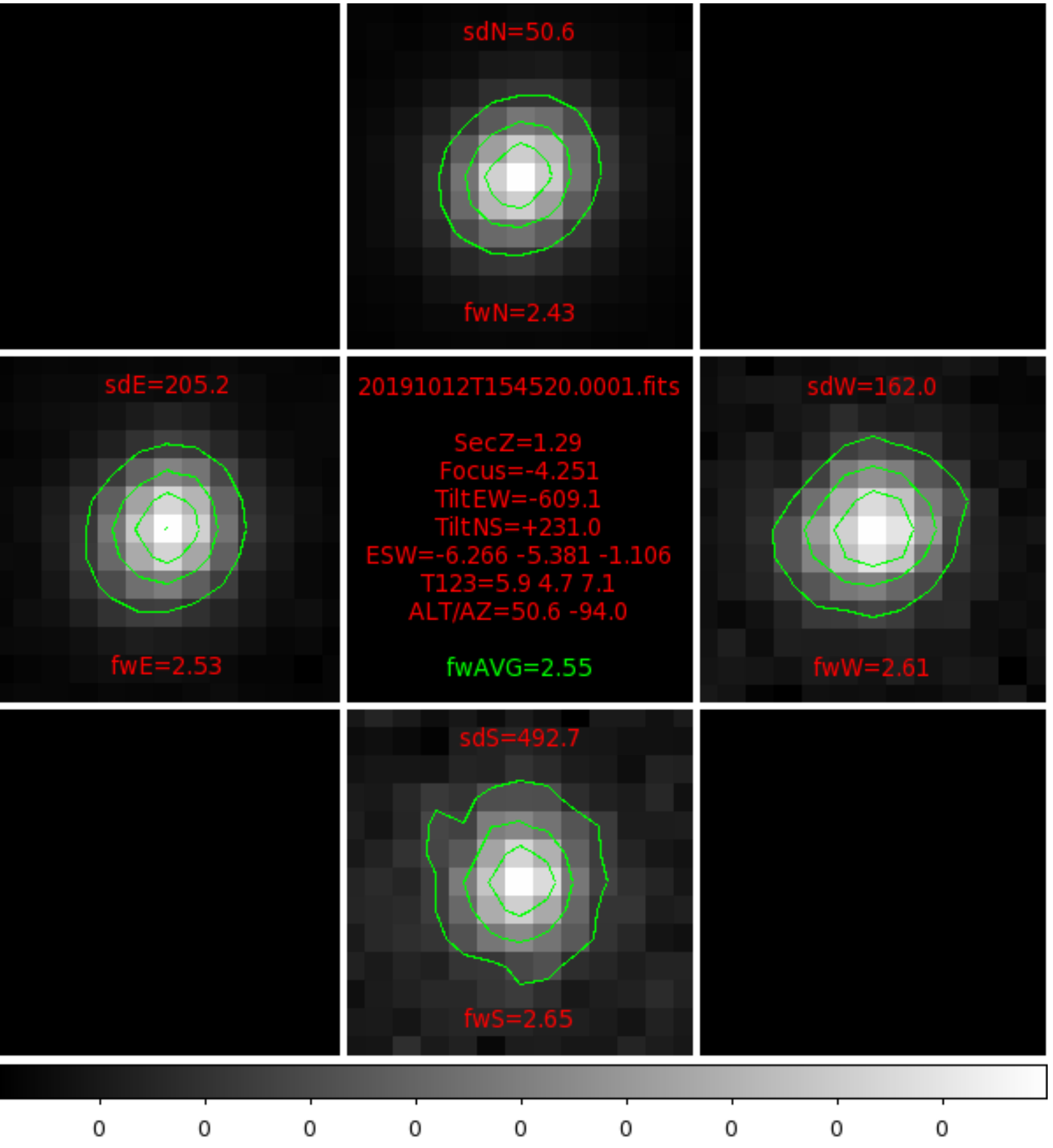
sdN=50.6
fwN=2.43
sdE=205.2
fwE=2.53
20191012T154520.0001.fits
SecZ=1.29
Focus=-4.251
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.266 -5.381 -1.106
T123=5.9 4.7 7.1
ALT/AZ=50.6 -94.0
fwAVG=2.55
sdW=162.0
fwW=2.61
sdS=492.7
fwS=2.65
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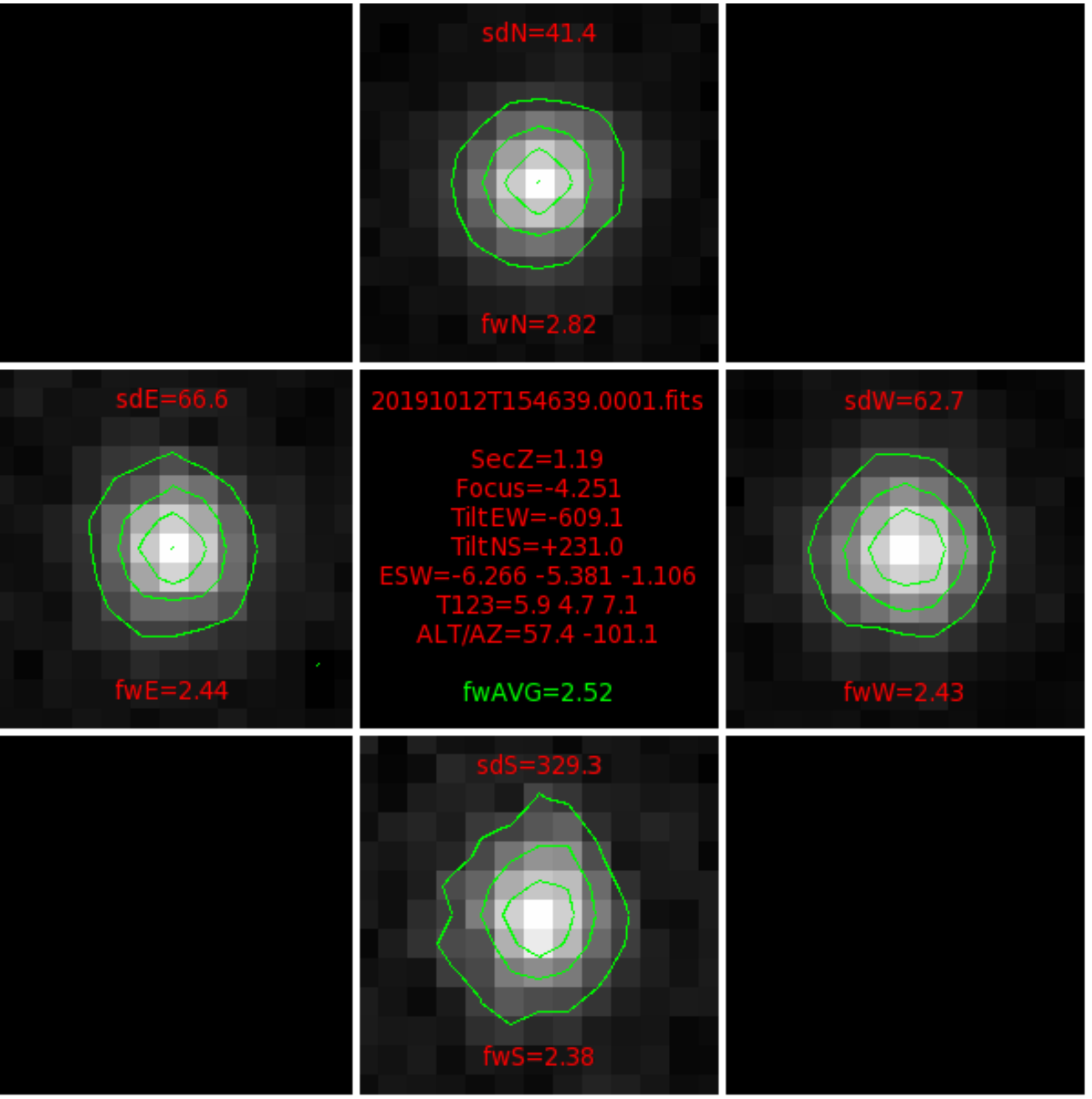
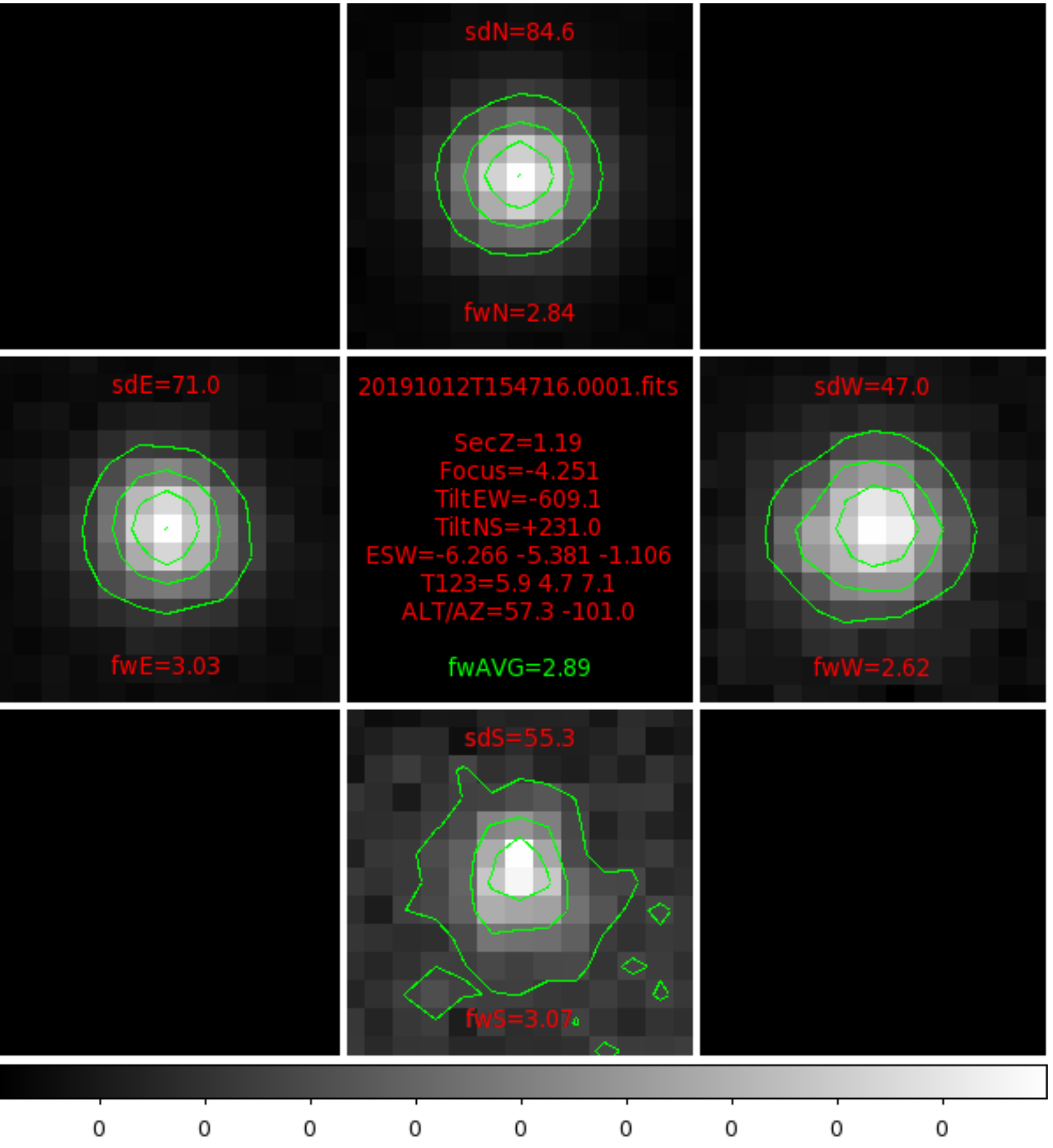

sdN=41.4
fwN=2.82
sdE=66.6
fwE=2.44
20191012T154639.0001.fits
SecZ=1.19
Focus=-4.251
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.266 -5.381 -1.106
T123=5.9 4.7 7.1
ALT/AZ=57.4 -101.1
fwAVG=2.52
sdW=62.7
fwW=2.43
sdS=329.3
fwS=2.38
0 0 0 0 0 0 0 0 0


sdN=84.6
fwN=2.84
sdE=71.0
fwE=3.03
20191012T154716.0001.fits
SecZ=1.19
Focus=-4.251
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.266 -5.381 -1.106
T123=5.9 4.7 7.1
ALT/AZ=57.3 -101.0
fwAVG=2.89
sdW=47.0
fwW=2.62
sdS=55.3
fwS=3.07
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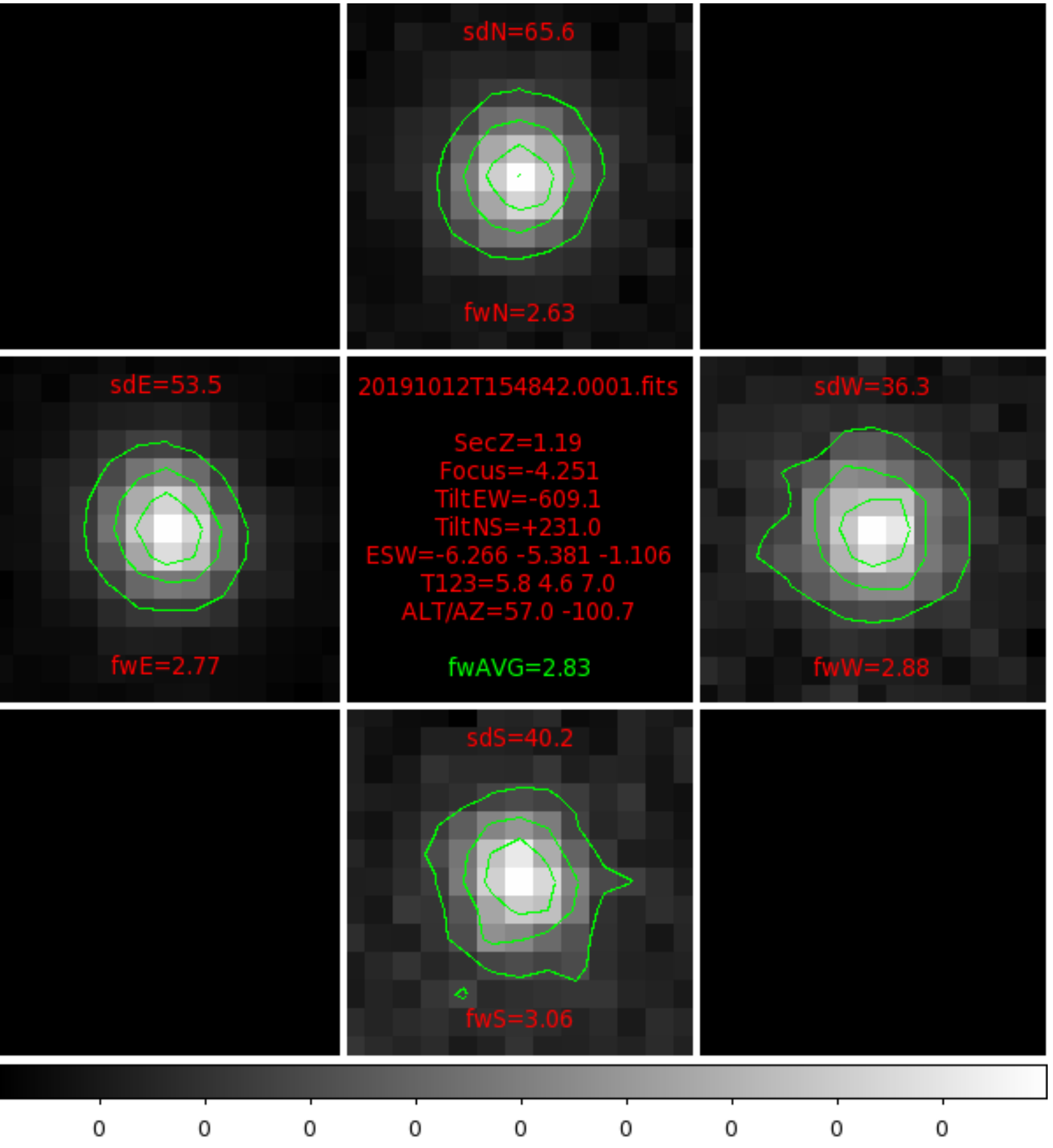
sdN=65.6
fwN=2.63
sdE=53.5
fwE=2.77
20191012T154842.0001.fits
SecZ=1.19
Focus=-4.251
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.266 -5.381 -1.106
T123=5.8 4.6 7.0
ALT/AZ=57.0 -100.7
fwAVG=2.83
sdW=36.3
fwW=2.88
sdS=40.2
fwS=3.06
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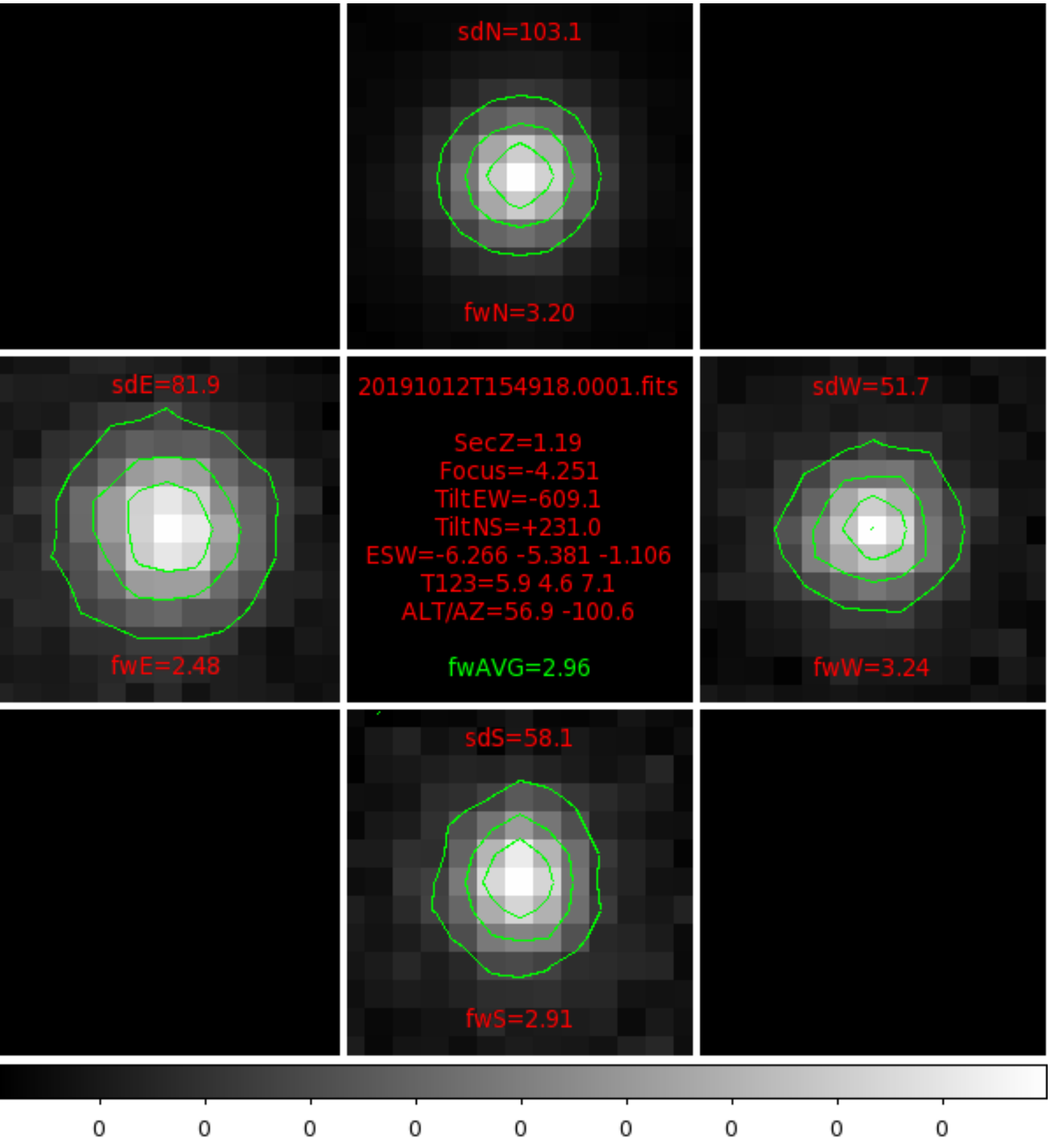
sdN=103.1
fwN=3.20
sdE=81.9
fwE=2.48
20191012T154918.0001.fits
SecZ=1.19
Focus=-4.251
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.266 -5.381 -1.106
T123=5.9 4.6 7.1
ALT/AZ=56.9 -100.6
fwAVG=2.96
sdW=51.7
fwW=3.24
sdS=58.1
fwS=2.91
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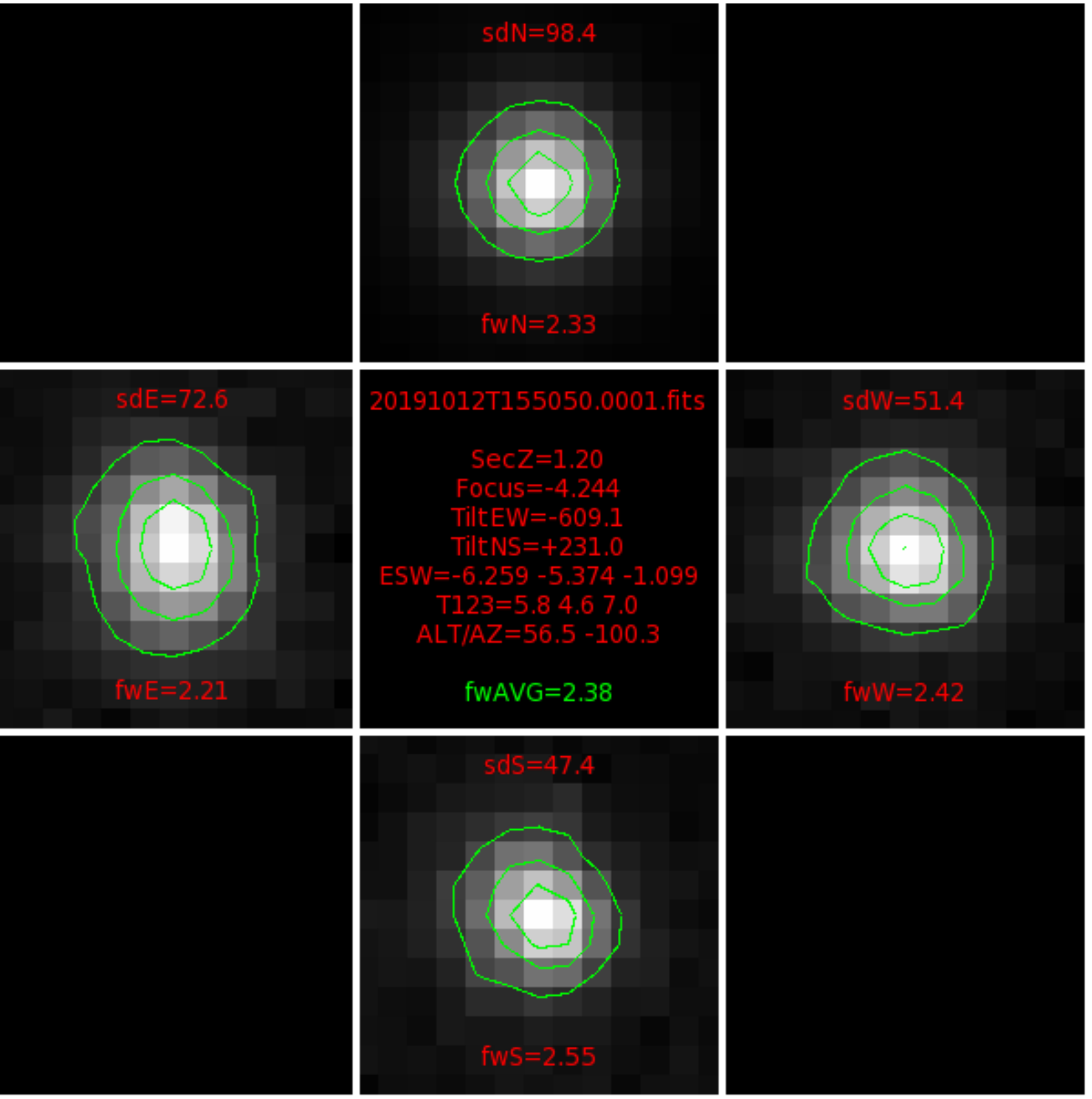
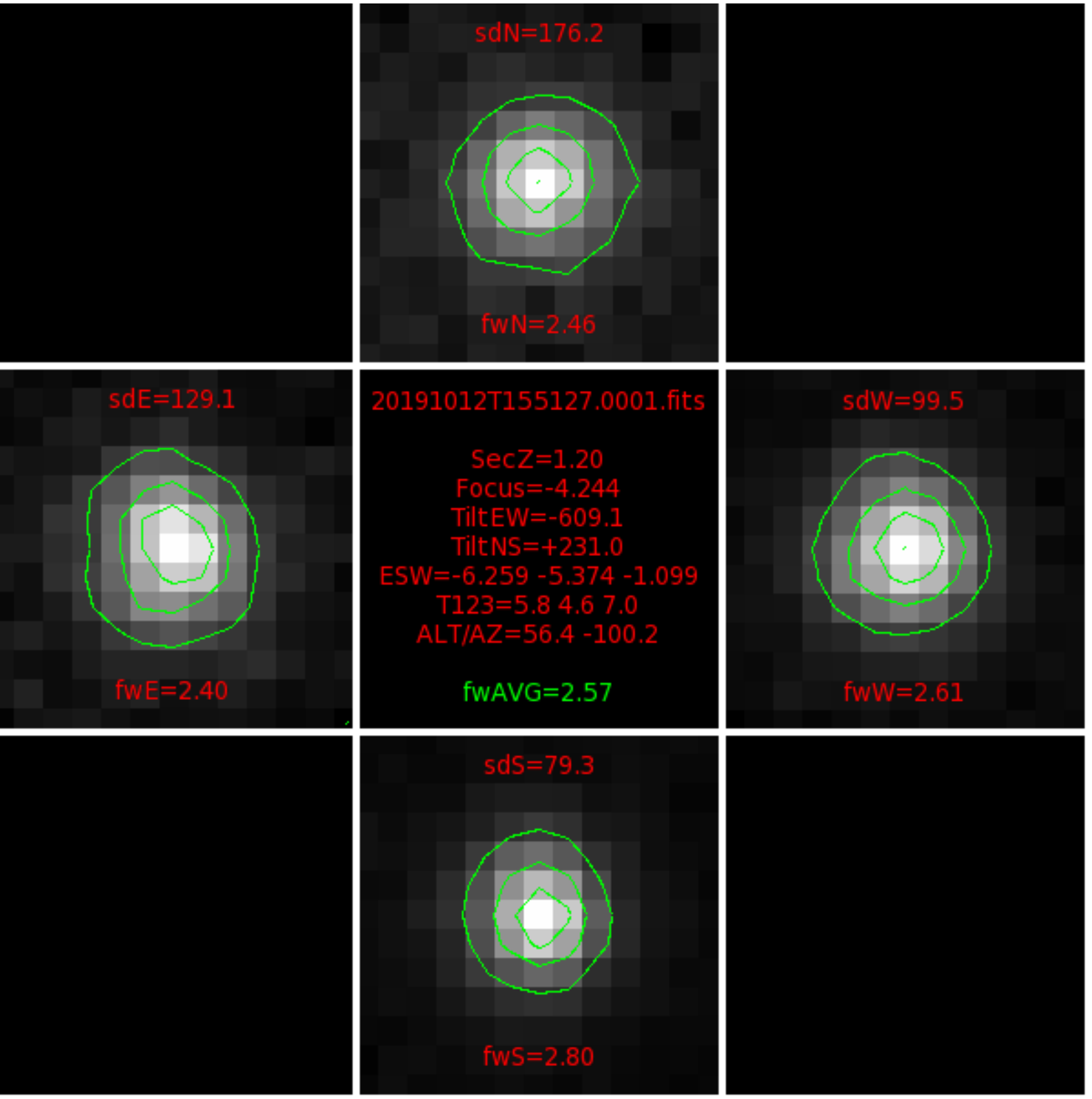

sdN=98.4
fwN=2.33
sdE=72.6
fwE=2.21
20191012T155050.0001.fits
SecZ=1.20
Focus=-4.244
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.259 -5.374 -1.099
T123=5.8 4.6 7.0
ALT/AZ=56.5 -100.3
fwAVG=2.38
sdW=51.4
fwW=2.42
sdS=47.4
fwS=2.55
0 0 0 0 0 0 0 0 0


sdN=176.2
fwN=2.46
sdE=129.1
fwE=2.40
20191012T155127.0001.fits
SecZ=1.20
Focus=-4.244
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.259 -5.374 -1.099
T123=5.8 4.6 7.0
ALT/AZ=56.4 -100.2
fwAVG=2.57
sdW=99.5
fwW=2.61
sdS=79.3
fwS=2.80
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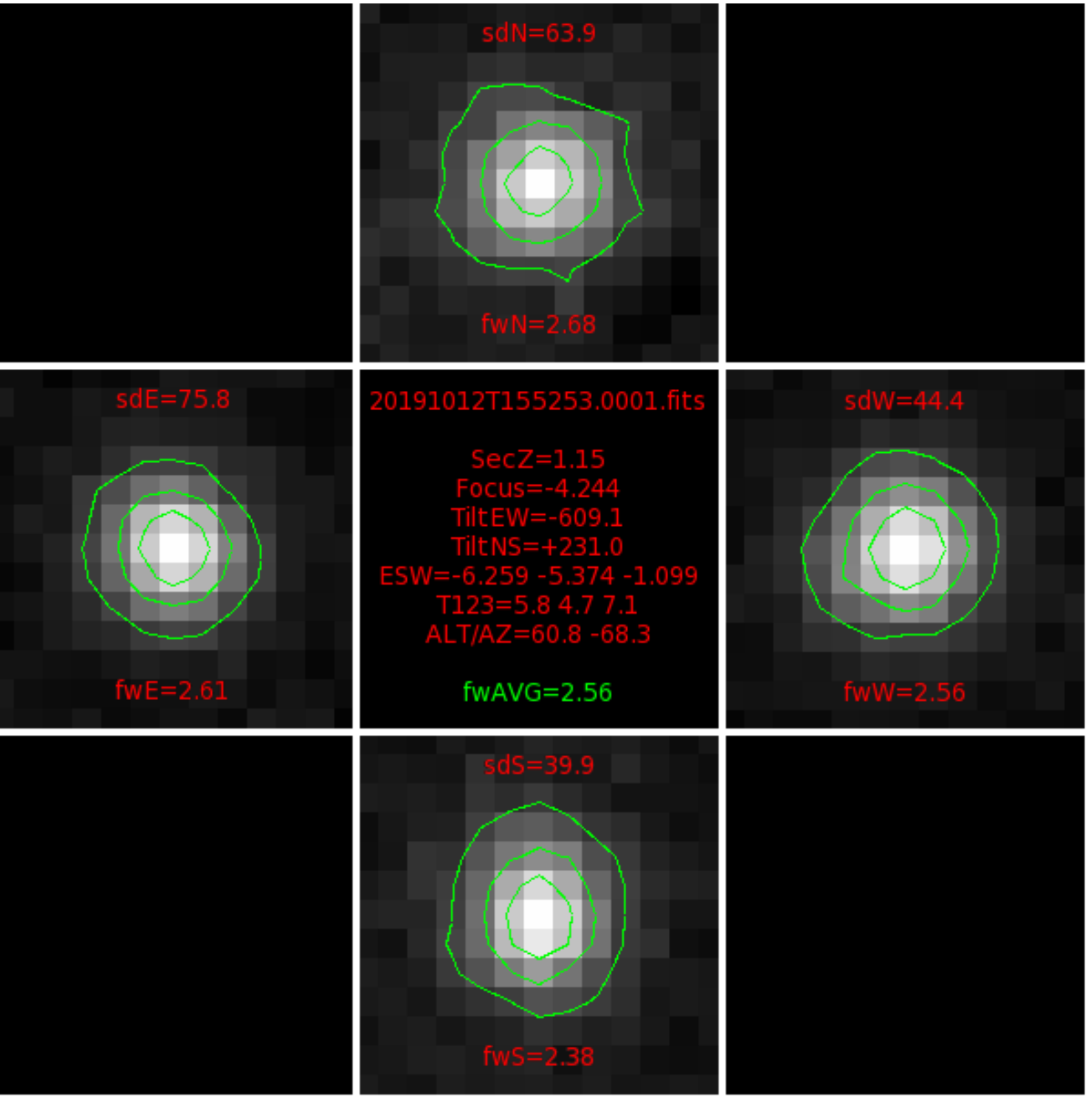
sdN=63.9
fwN=2.68
sdE=75.8
fwE=2.61
20191012T155253.0001.fits
SecZ=1.15
Focus=-4.244
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.259 -5.374 -1.099
T123=5.8 4.7 7.1
ALT/AZ=60.8 -68.3
fwAVG=2.56
sdW=44.4
fwW=2.56
sdS=39.9
fwS=2.38
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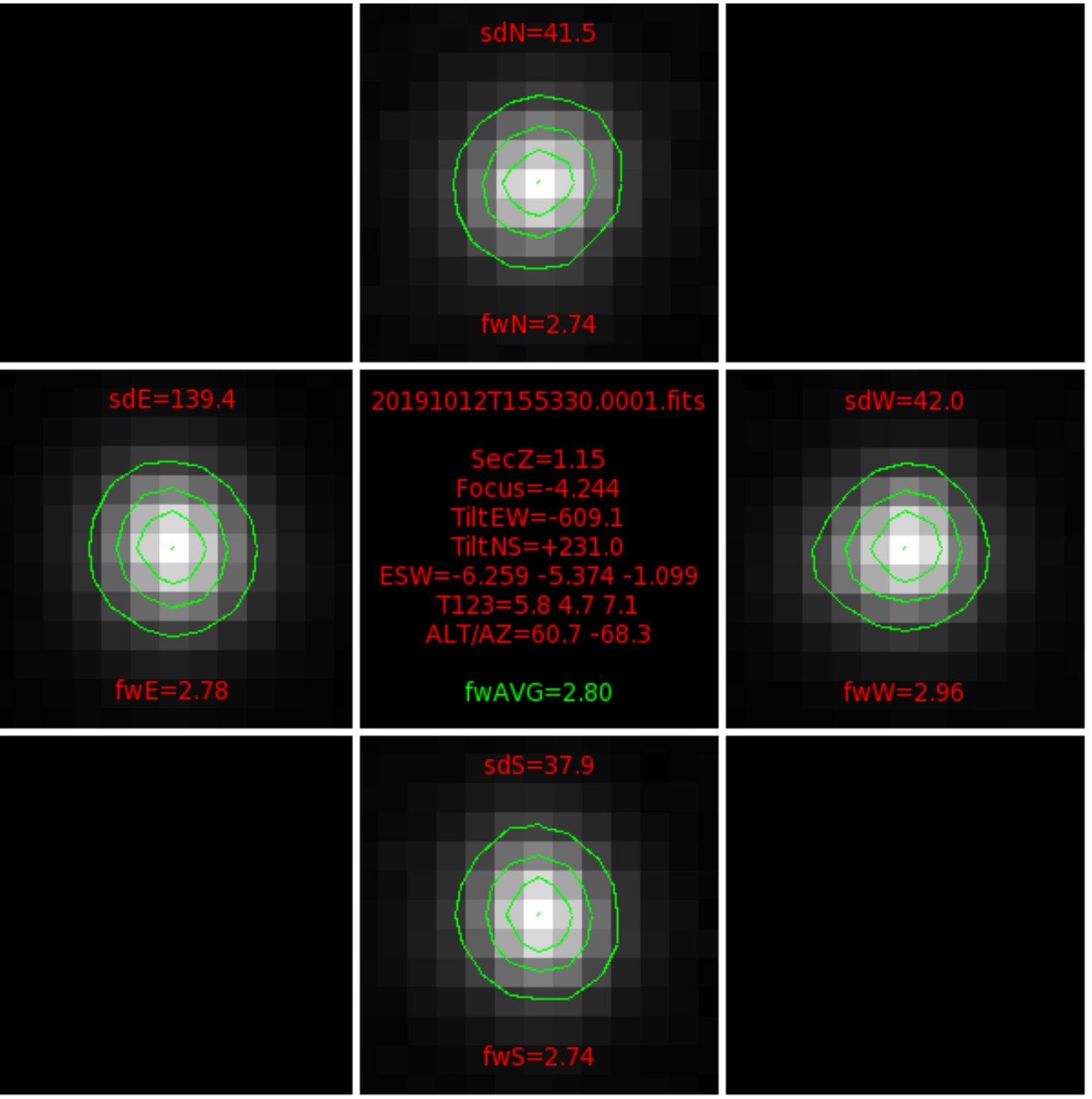
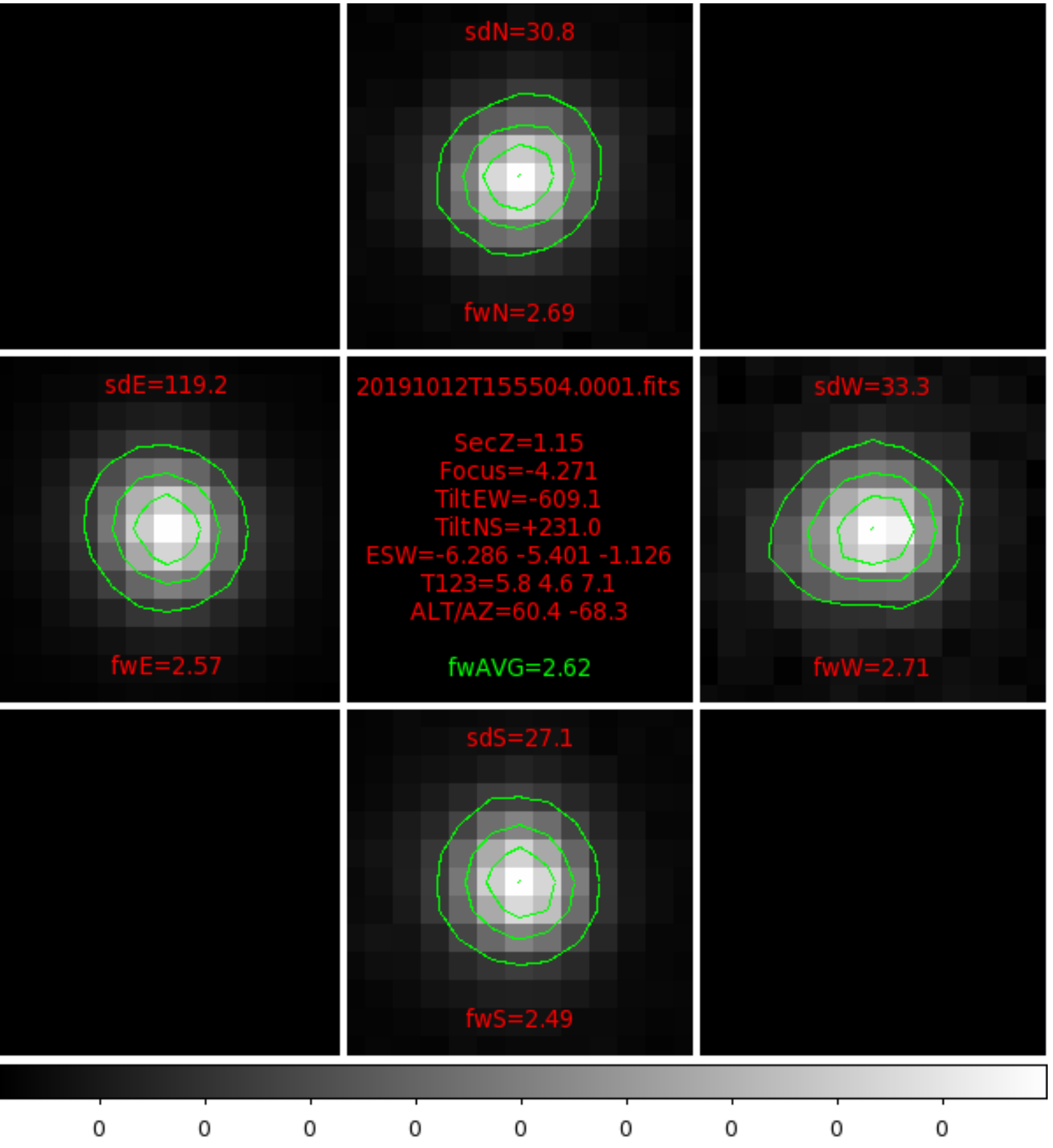

sdN=41.5
fwN=2.74
sdE=139.4
fwE=2.78
20191012T155330.0001.fits
SecZ=1.15
Focus=-4.244
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.259 -5.374 -1.099
T123=5.8 4.7 7.1
ALT/AZ=60.7 -68.3
fwAVG=2.80
sdW=42.0
fwW=2.96
sdS=37.9
fwS=2.74
0 0 0 0 0 0 0 0 0


sdN=30.8
fwN=2.69
sdE=119.2
fwE=2.57
20191012T155504.0001.fits
SecZ=1.15
Focus=-4.271
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.286 -5.401 -1.126
T123=5.8 4.6 7.1
ALT/AZ=60.4 -68.3
fwAVG=2.62
sdW=33.3
fwW=2.71
sdS=27.1
fwS=2.49
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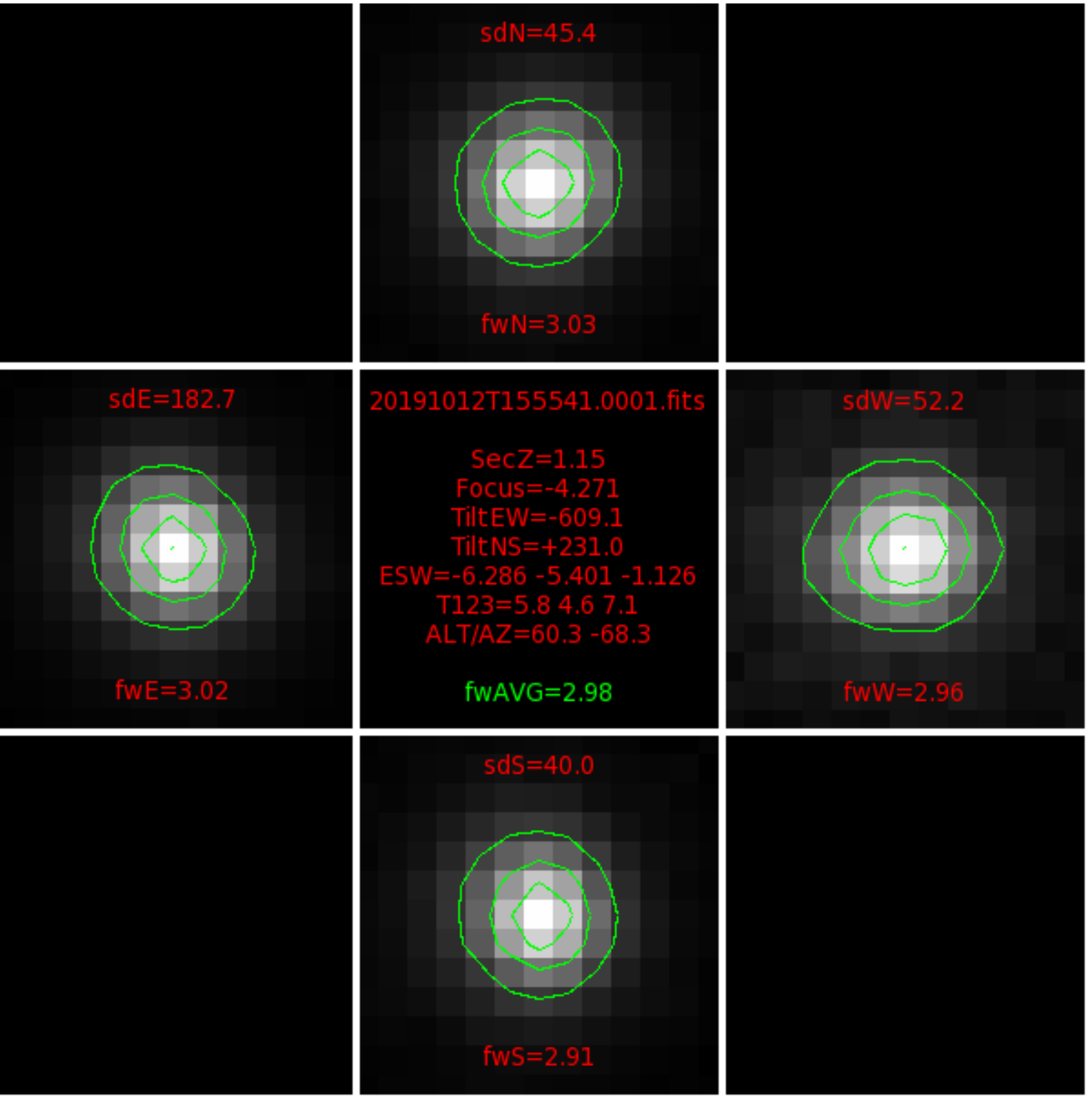
sdN=45.4
fwN=3.03
sdE=182.7
fwE=3.02
20191012T155541.0001.fits
SecZ=1.15
Focus=-4.271
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.286 -5.401 -1.126
T123=5.8 4.6 7.1
ALT/AZ=60.3 -68.3
fwAVG=2.98
sdW=52.2
fwW=2.96
sdS=40.0
fwS=2.91
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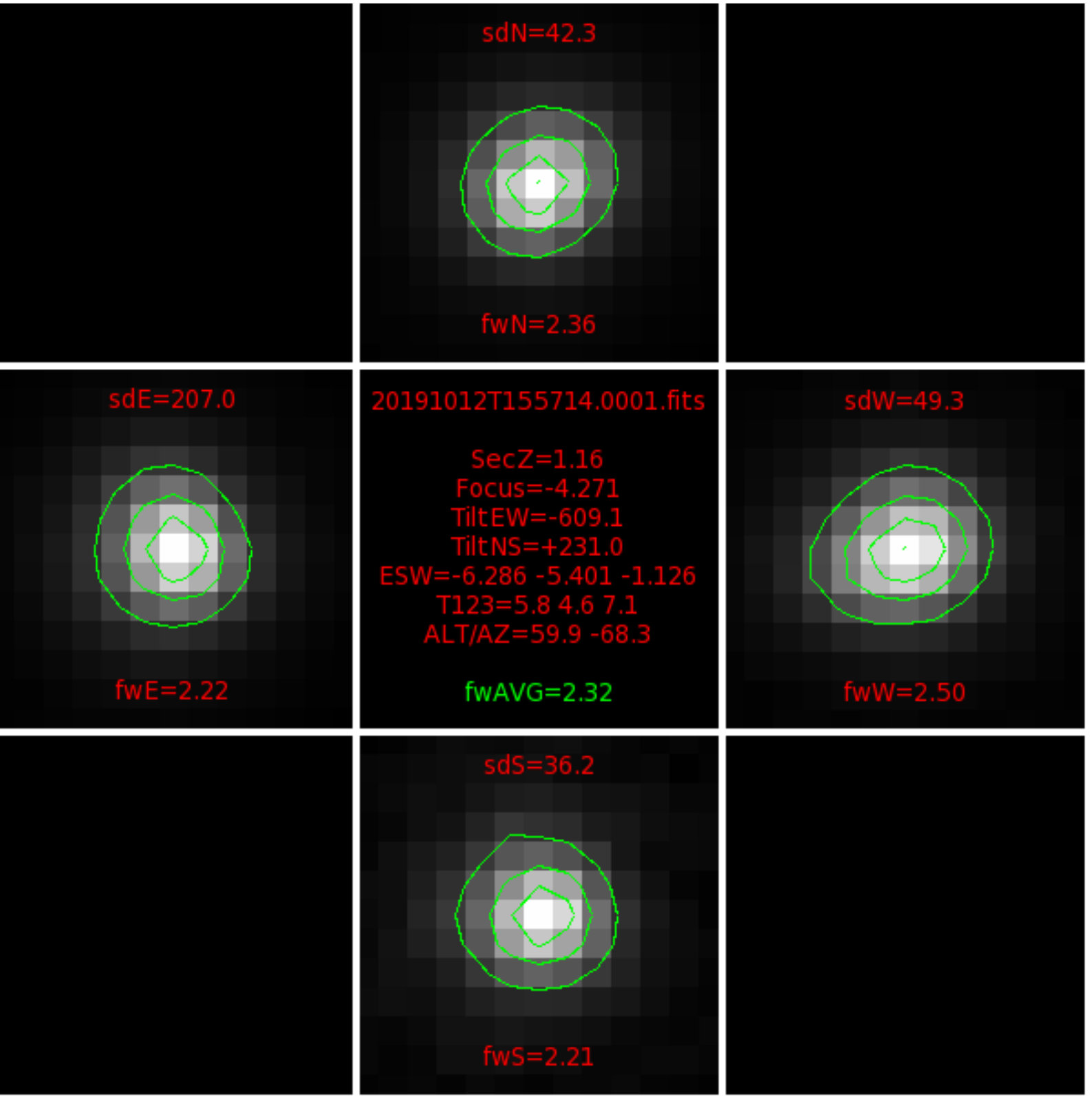
sdN=42.3
fwN=2.36
sdE=207.0
fwE=2.22
20191012T155714.0001.fits
SecZ=1.16
Focus=-4.271
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.286 -5.401 -1.126
T123=5.8 4.6 7.1
ALT/AZ=59.9 -68.3
fwAVG=2.32
sdW=49.3
fwW=2.50
sdS=36.2
fwS=2.21
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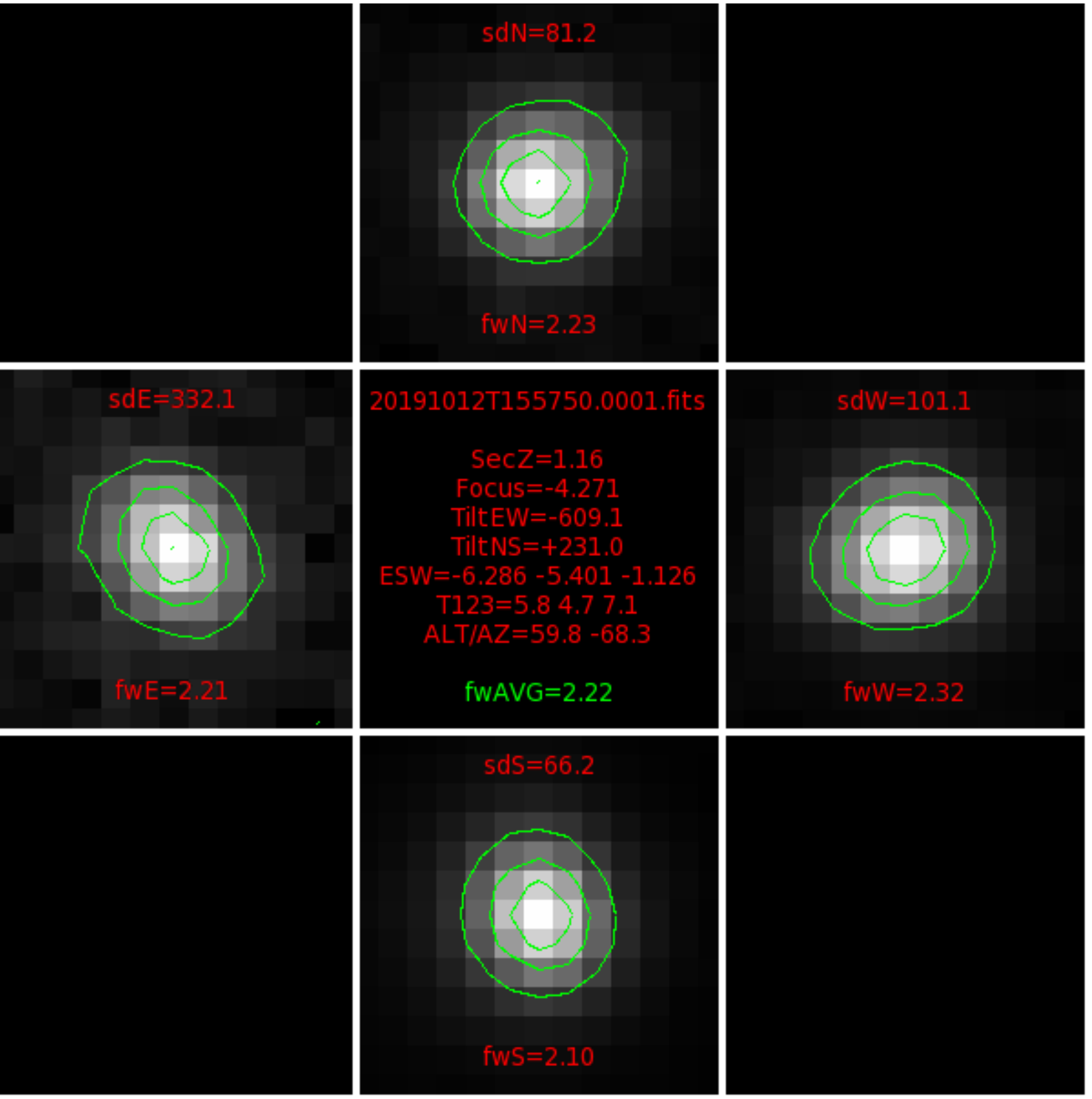
sdN=81.2
fwN=2.23
sdE=332.1
fwE=2.21
20191012T155750.0001.fits
SecZ=1.16
Focus=-4.271
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.286 -5.401 -1.126
T123=5.8 4.7 7.1
ALT/AZ=59.8 -68.3
fwAVG=2.22
sdW=101.1
fwW=2.32
sdS=66.2
fwS=2.10
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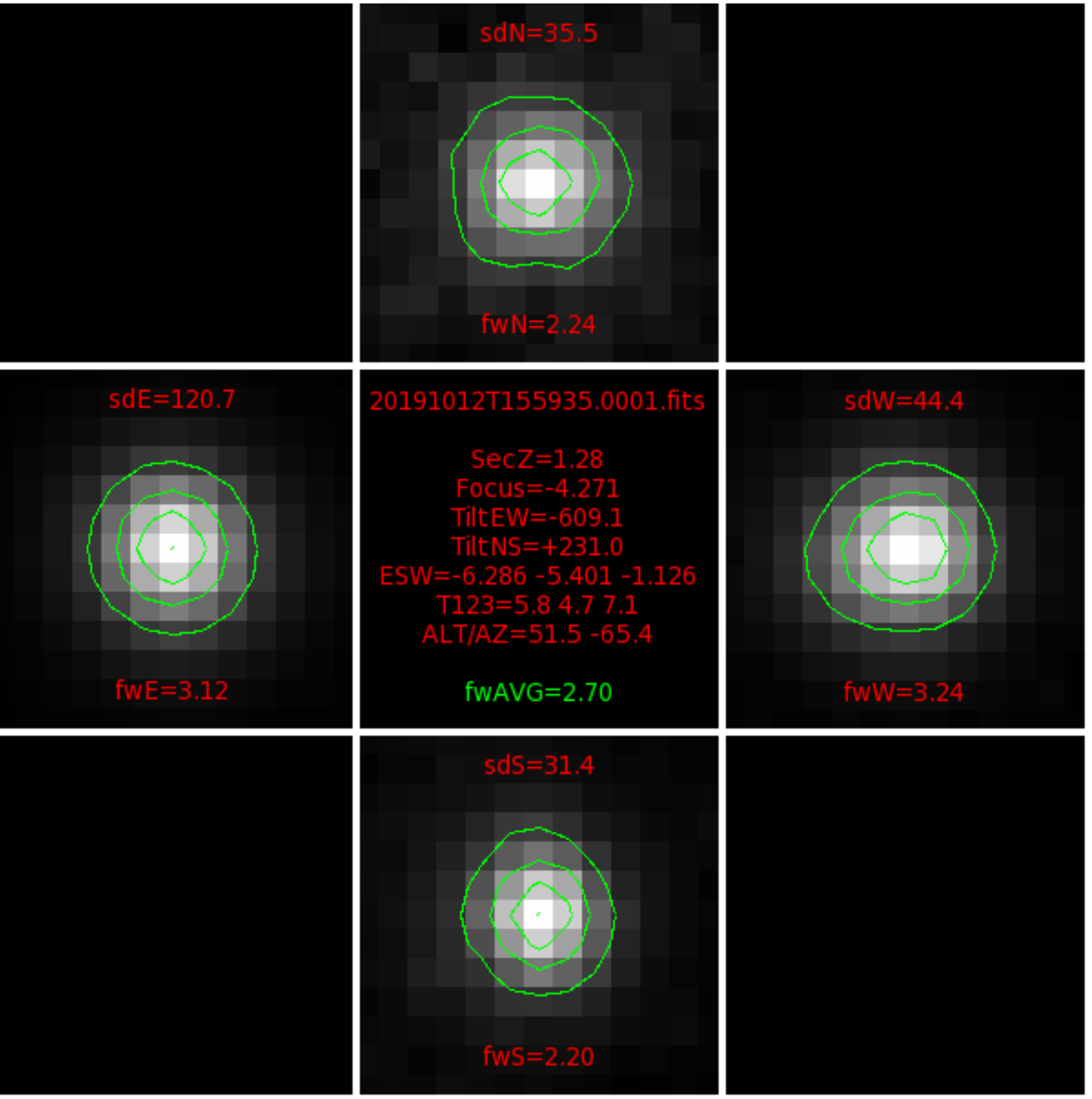
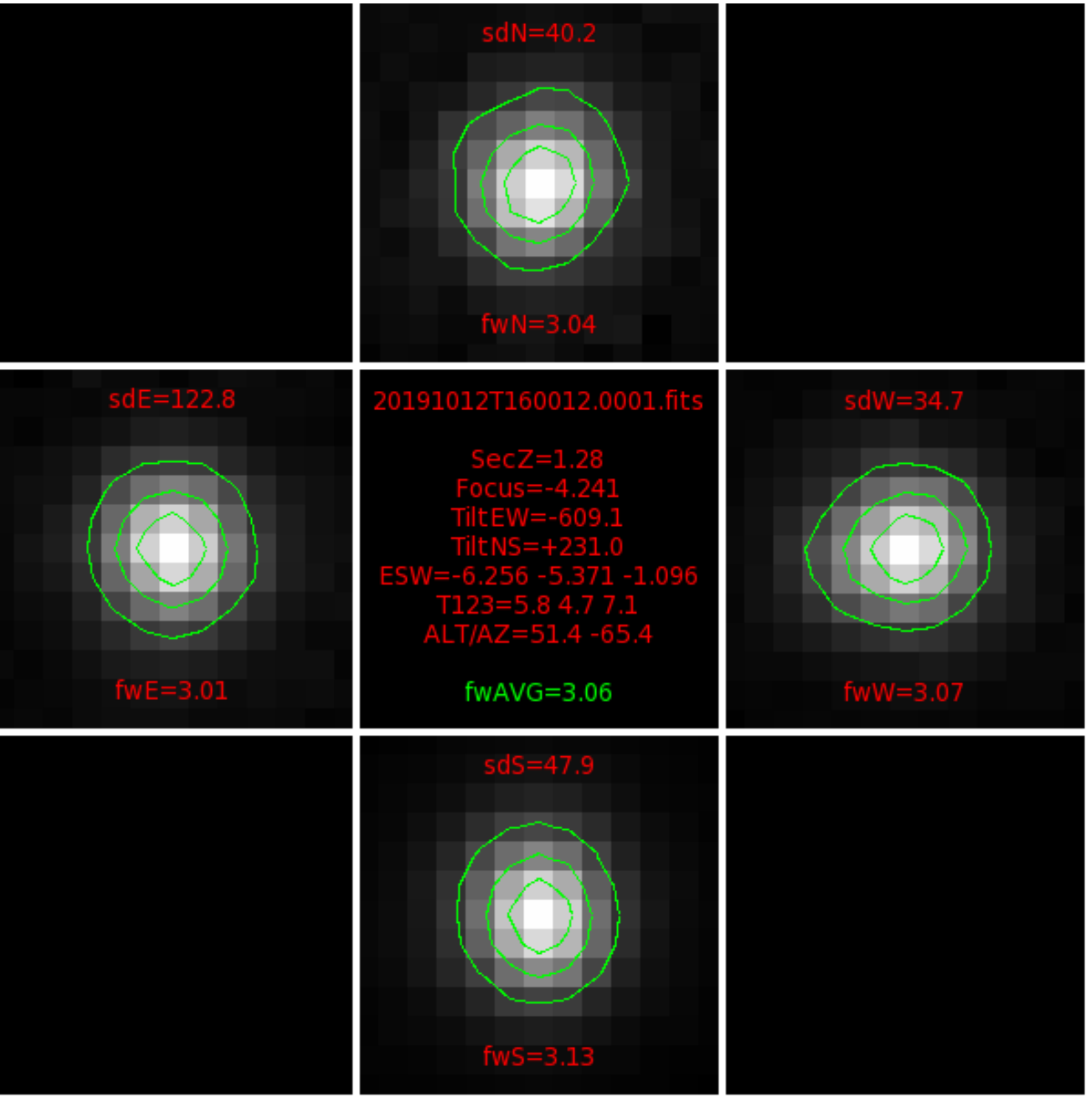

sdN=35.5
fwN=2.24
sdE=120.7
fwE=3.12
20191012T155935.0001.fits
SecZ=1.28
Focus=-4.271
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.286 -5.401 -1.126
T123=5.8 4.7 7.1
ALT/AZ=51.5 -65.4
fwAVG=2.70
sdW=44.4
fwW=3.24
sdS=31.4
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=40.2
fwN=3.04
sdE=122.8
fwE=3.01
20191012T160012.0001.fits
SecZ=1.28
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.7 7.1
ALT/AZ=51.4 -65.4
fwAVG=3.06
sdW=34.7
fwW=3.07
sdS=47.9
fwS=3.13
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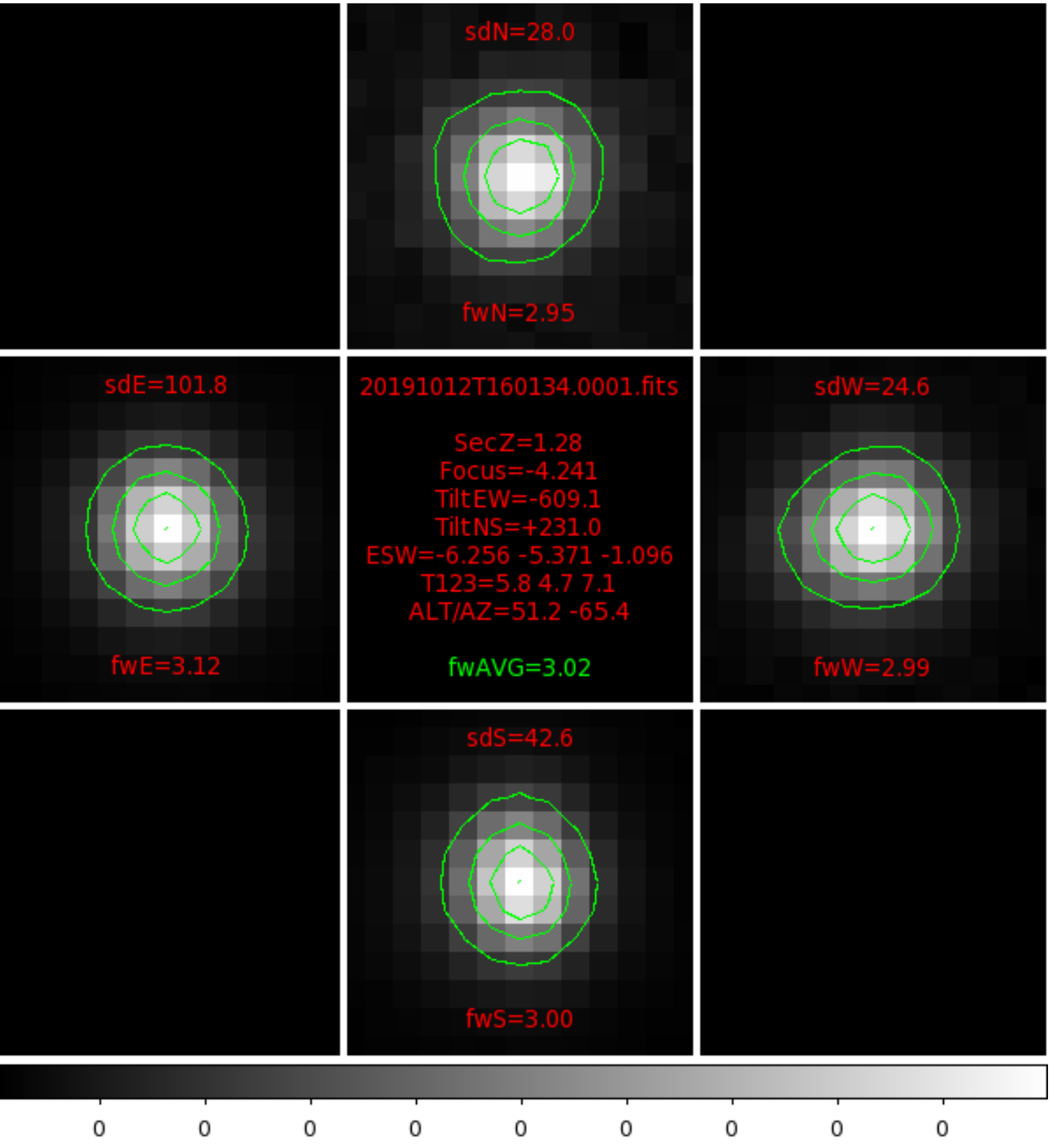
sdN=28.0
fwN=2.95
sdE=101.8
fwE=3.12
20191012T160134.0001.fits
SecZ=1.28
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.7 7.1
ALT/AZ=51.2 -65.4
fwAVG=3.02
sdW=24.6
fwW=2.99
sdS=42.6
fwS=3.00
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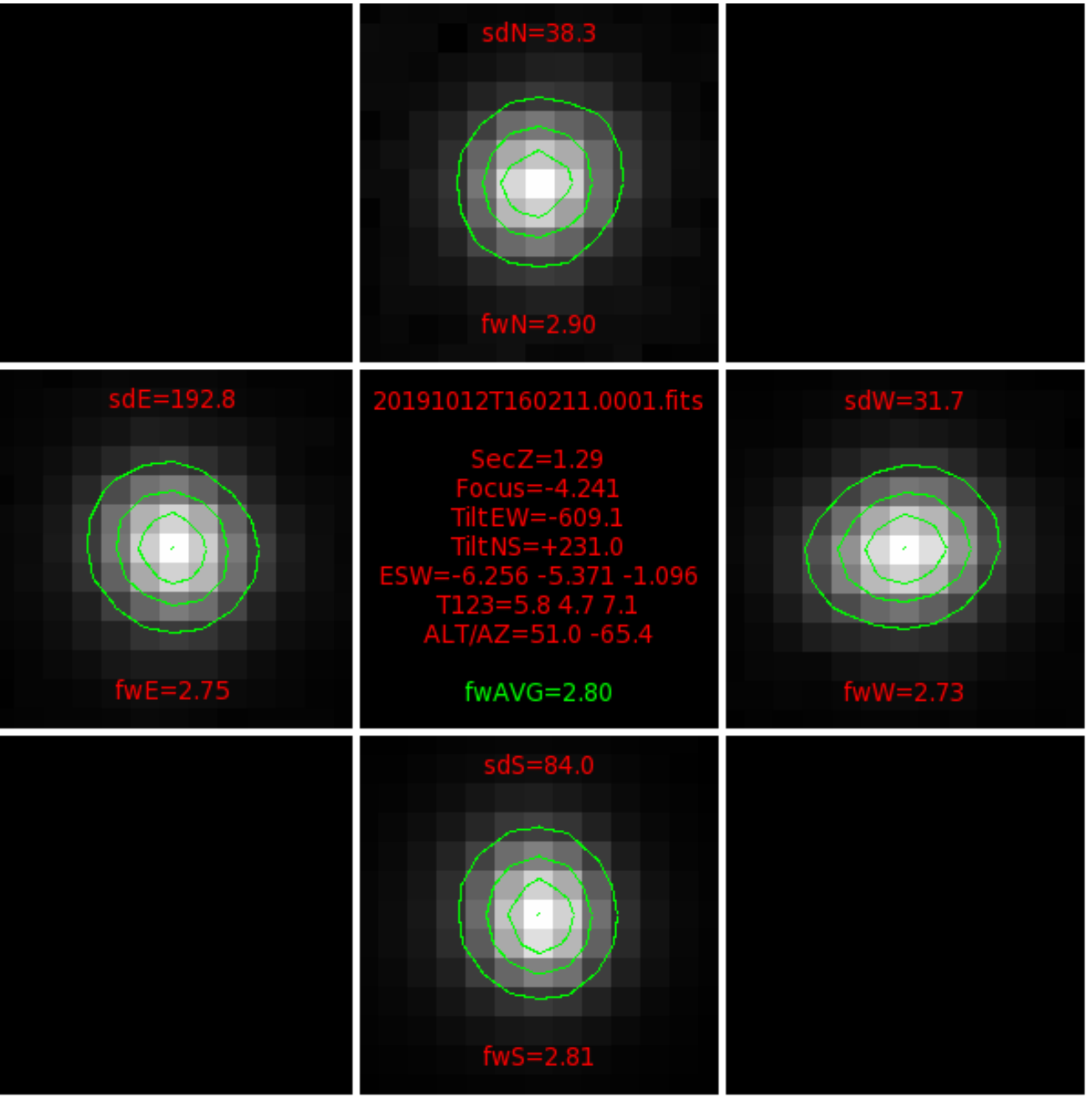
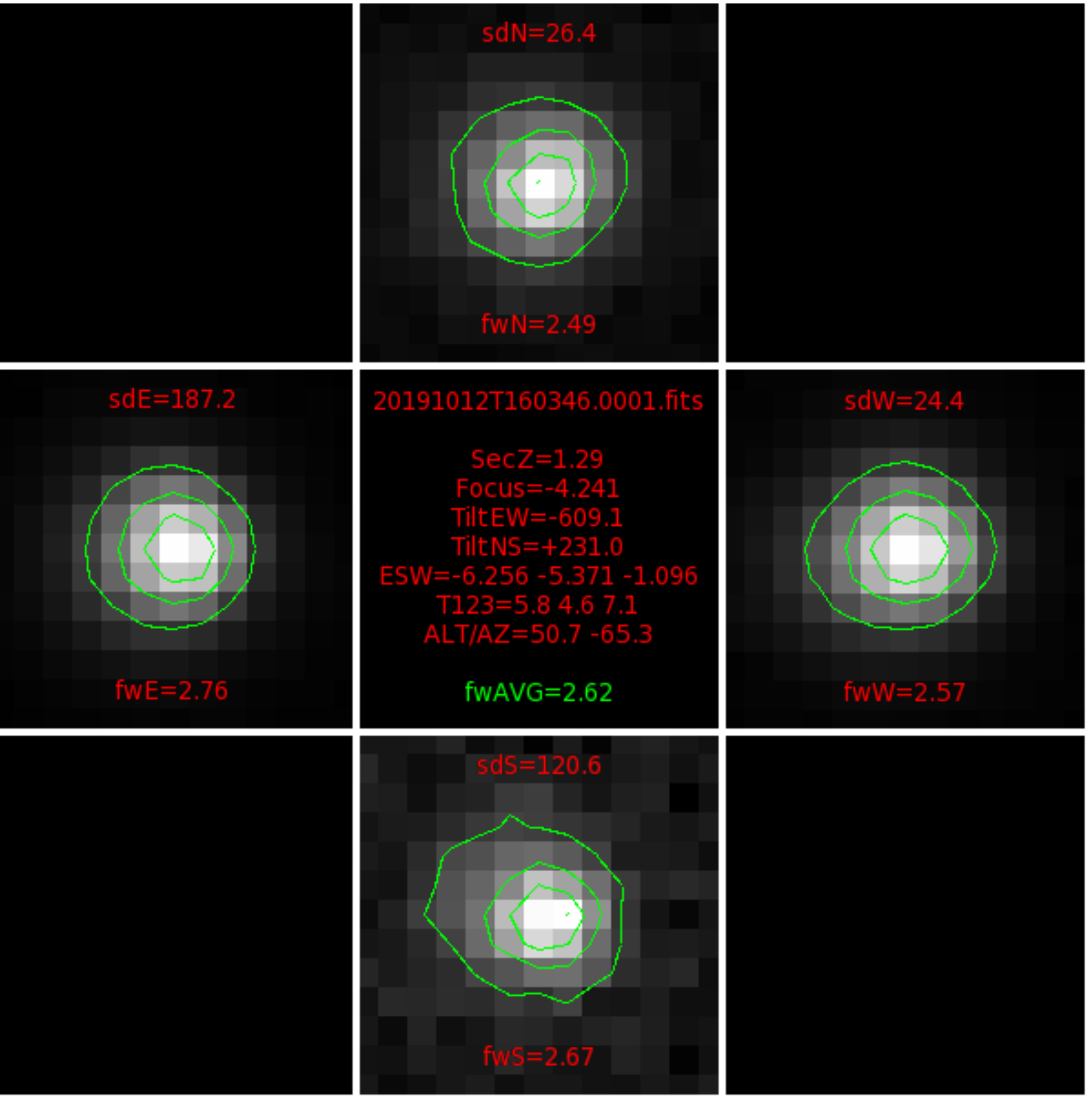
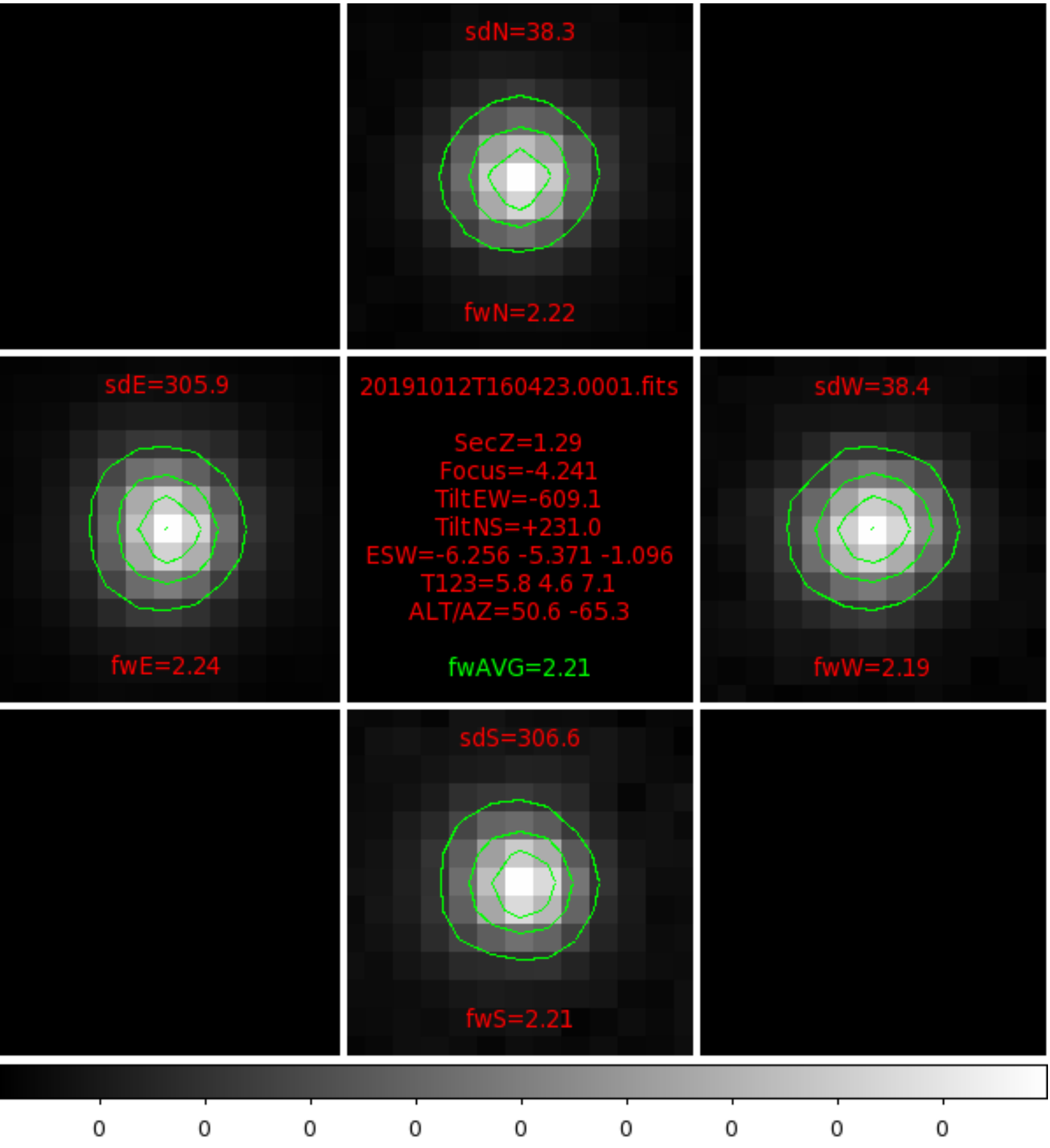
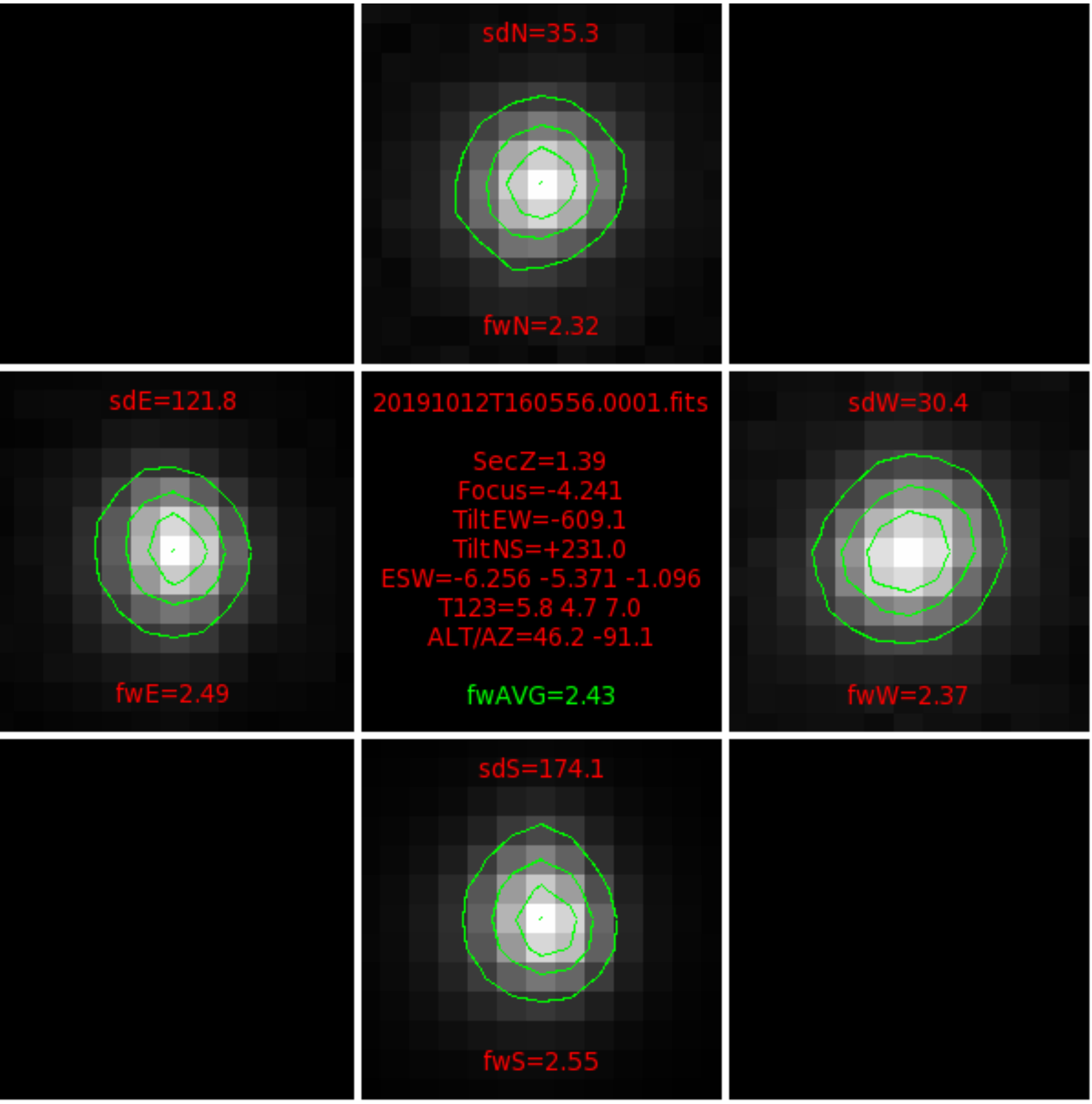
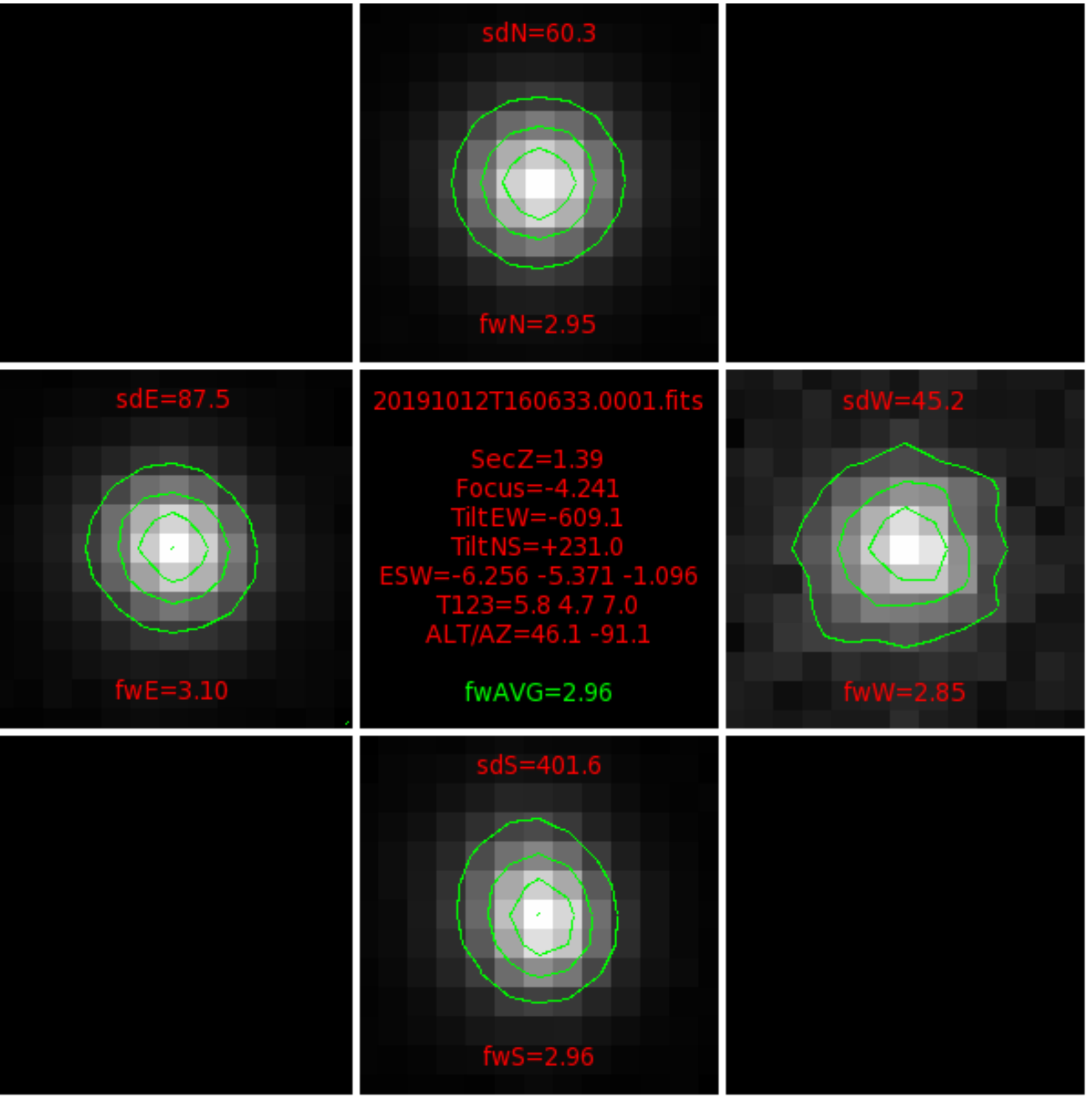
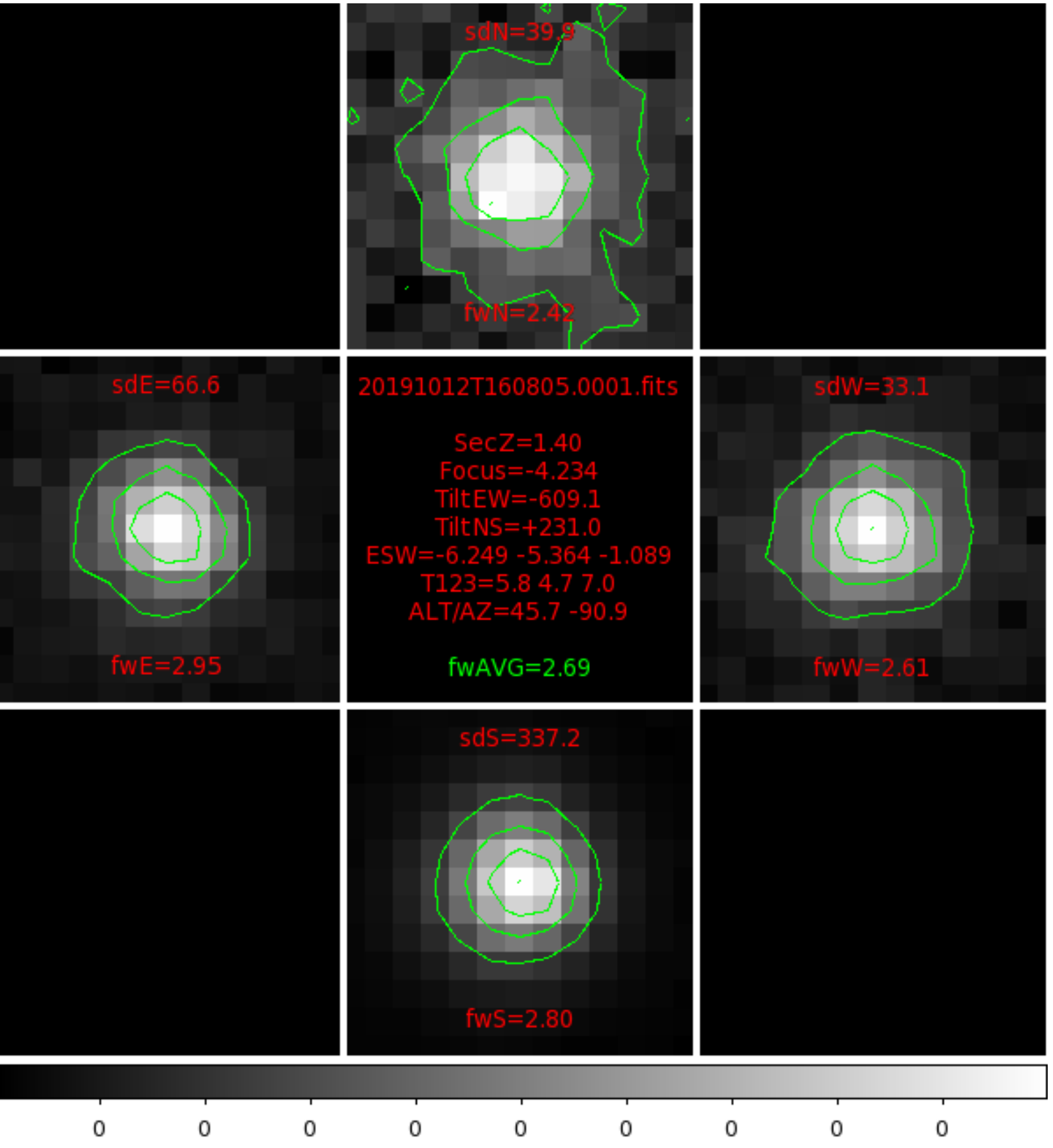

sdN=38.3
fwN=2.90
sdE=192.8
fwE=2.75
20191012T160211.0001.fits
SecZ=1.29
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.7 7.1
ALT/AZ=51.0 -65.4
fwAVG=2.80
sdW=31.7
fwW=2.73
sdS=84.0
fwS=2.81
0 0 0 0 0 0 0 0 0

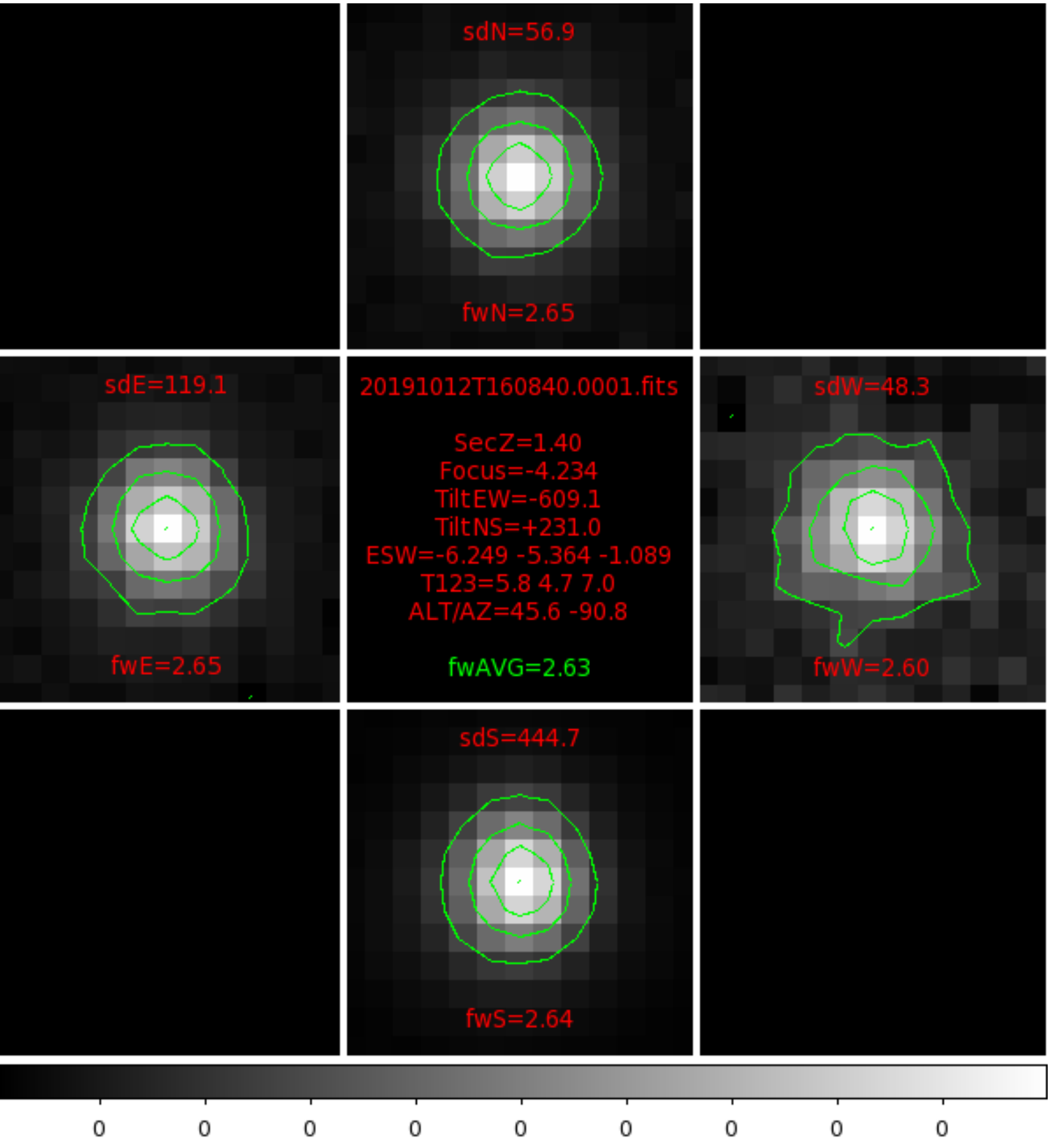

sdN=26.4
fwN=2.49
sdE=187.2
fwE=2.76
20191012T160346.0001.fits
SecZ=1.29
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.6 7.1
ALT/AZ=50.7 -65.3
fwAVG=2.62
sdW=24.4
fwW=2.57
sdS=120.6
fwS=2.67
0 0 0 0 0 0 0 0 0

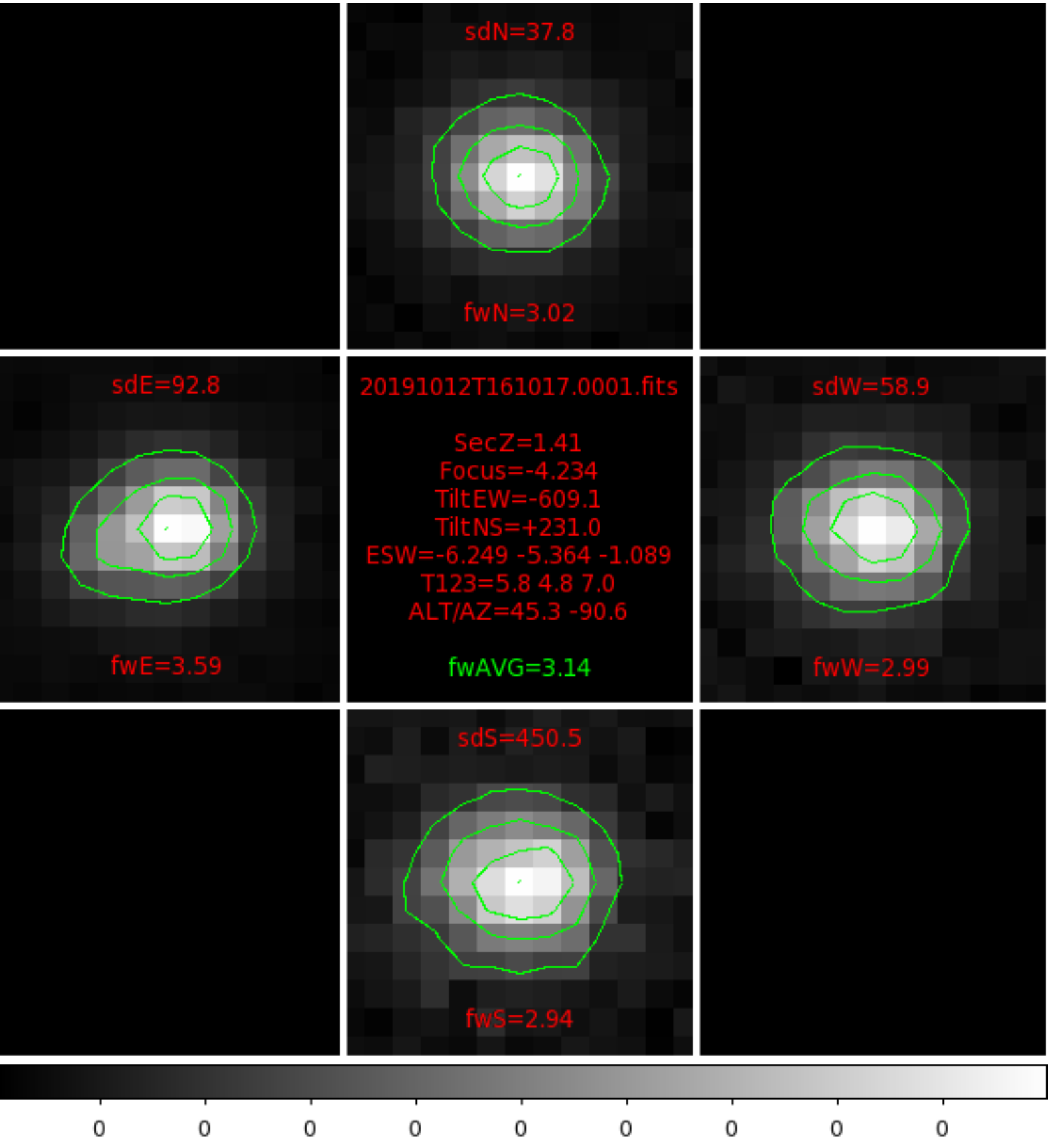

sdN=38.3
fwN=2.22
sdE=305.9
fwE=2.24
20191012T160423.0001.fits
SecZ=1.29
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.6 7.1
ALT/AZ=50.6 -65.3
fwAVG=2.21
sdW=38.4
fwW=2.19
sdS=306.6
fwS=2.21
0 0 0 0 0 0 0 0 0


sdN=35.3
fwN=2.32
sdE=121.8
fwE=2.49
20191012T160556.0001.fits
SecZ=1.39
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.7 7.0
ALT/AZ=46.2 -91.1
fwAVG=2.43
sdW=30.4
fwW=2.37
sdS=174.1
fwS=2.55
0 0 0 0 0 0 0 0 0


sdN=60.3
fwN=2.95
sdE=87.5
fwE=3.10
20191012T160633.0001.fits
SecZ=1.39
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.7 7.0
ALT/AZ=46.1 -91.1
fwAVG=2.96
sdW=45.2
fwW=2.85
sdS=401.6
fwS=2.96
0 0 0 0 0 0 0 0 0


sdN=39.9
fwN=2.42
sdE=66.6
fwE=2.95
20191012T160805.0001.fits
SecZ=1.40
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.7 7.0
ALT/AZ=45.7 -90.9
fwAVG=2.69
sdW=33.1
fwW=2.61
sdS=337.2
fwS=2.80
0 0 0 0 0 0 0 0 0


sdN=56.9
fwN=2.65
sdE=119.1
fwE=2.65
20191012T160840.0001.fits
SecZ=1.40
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.7 7.0
ALT/AZ=45.6 -90.8
fwAVG=2.63
sdW=48.3
fwW=2.60
sdS=444.7
fwS=2.64
0 0 0 0 0 0 0 0 0


sdN=37.8
fwN=3.02
sdE=92.8
fwE=3.59
20191012T161017.0001.fits
SecZ=1.41
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.8 7.0
ALT/AZ=45.3 -90.6
fwAVG=3.14
sdW=58.9
fwW=2.99
sdS=450.5
fwS=2.94
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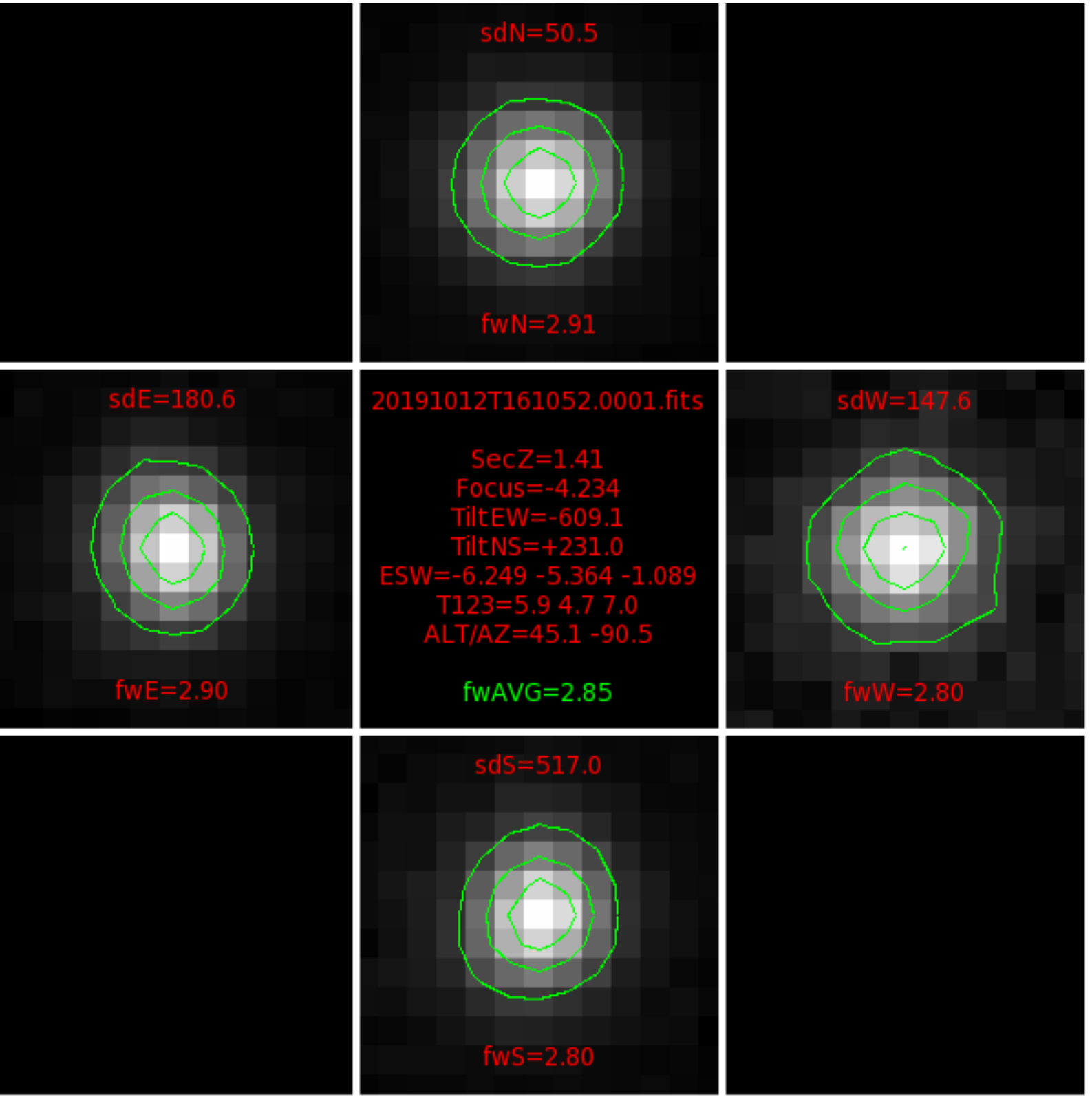
sdN=50.5
fwN=2.91
sdE=180.6
fwE=2.90
20191012T161052.0001.fits
SecZ=1.41
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.9 4.7 7.0
ALT/AZ=45.1 -90.5
fwAVG=2.85
sdW=147.6
fwW=2.80
sdS=517.0
fwS=2.80
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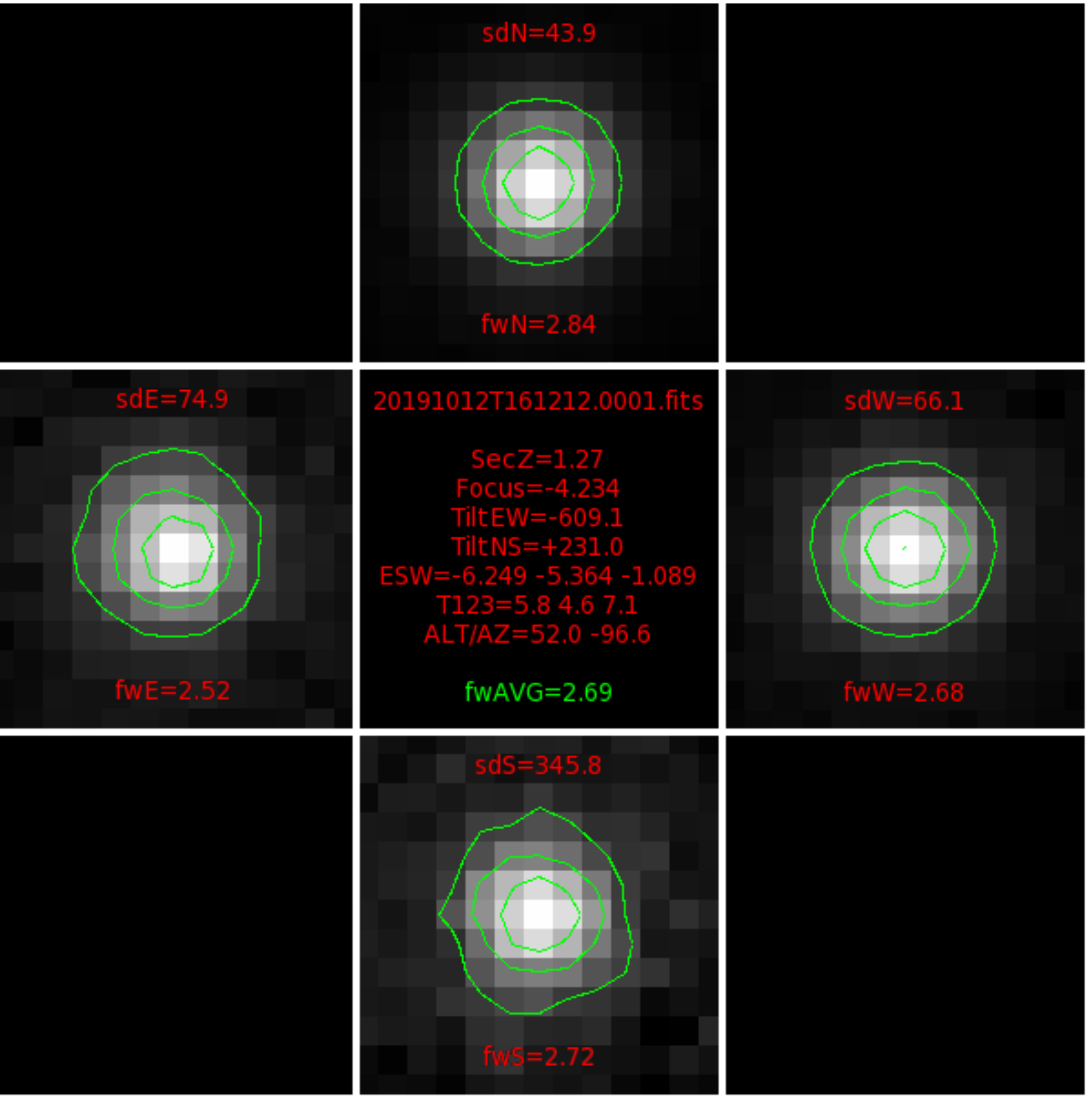
sdN=43.9
fwN=2.84
sdE=74.9
fwE=2.52
20191012T161212.0001.fits
SecZ=1.27
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 7.1
ALT/AZ=52.0 -96.6
fwAVG=2.69
sdW=66.1
fwW=2.68
sdS=345.8
fwS=2.72
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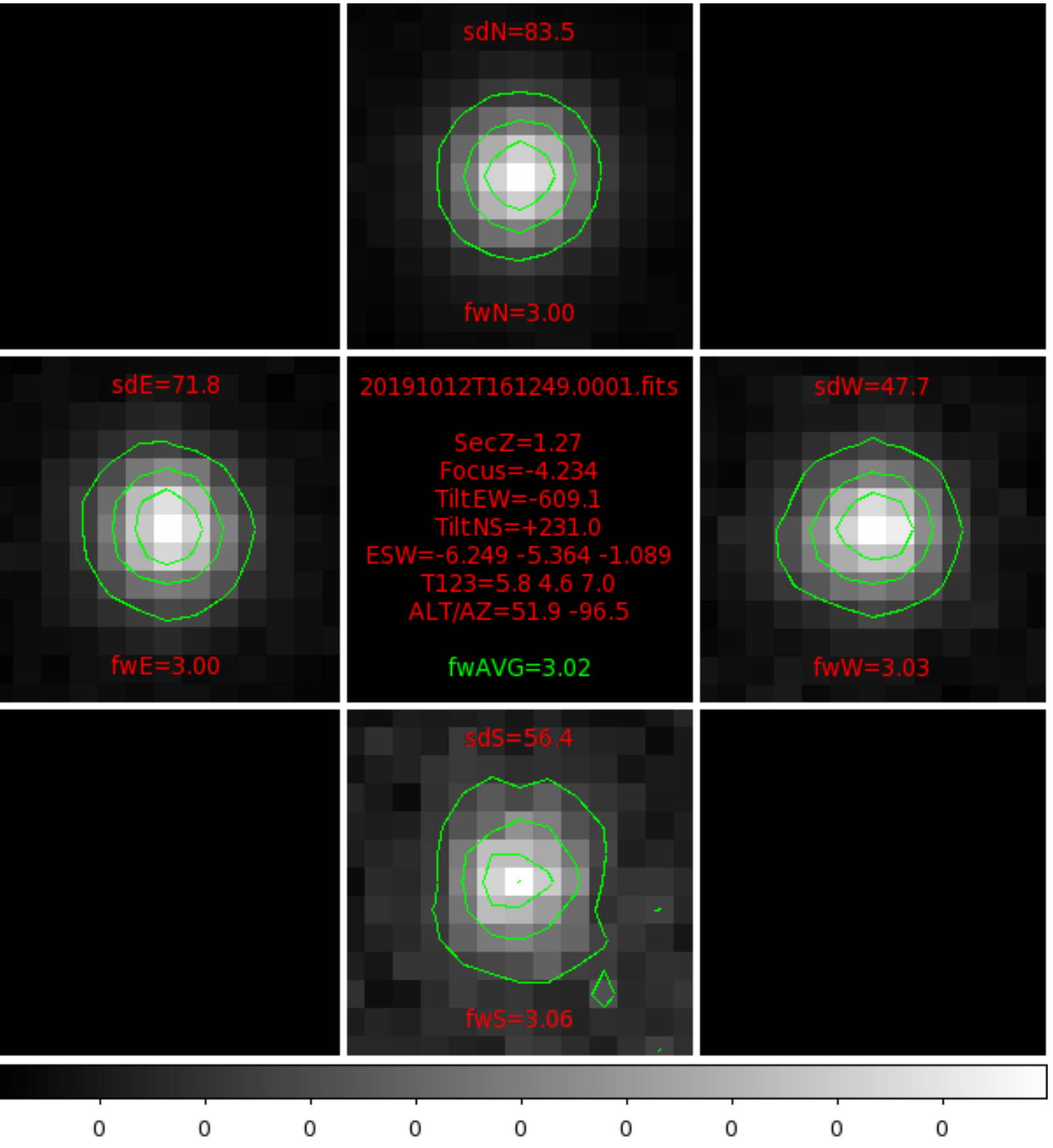
sdN=83.5
fwN=3.00
sdE=71.8
fwE=3.00
20191012T161249.0001.fits
SecZ=1.27
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 7.0
ALT/AZ=51.9 -96.5
fwAVG=3.02
sdW=47.7
fwW=3.03
sdS=56.4
fwS=3.06
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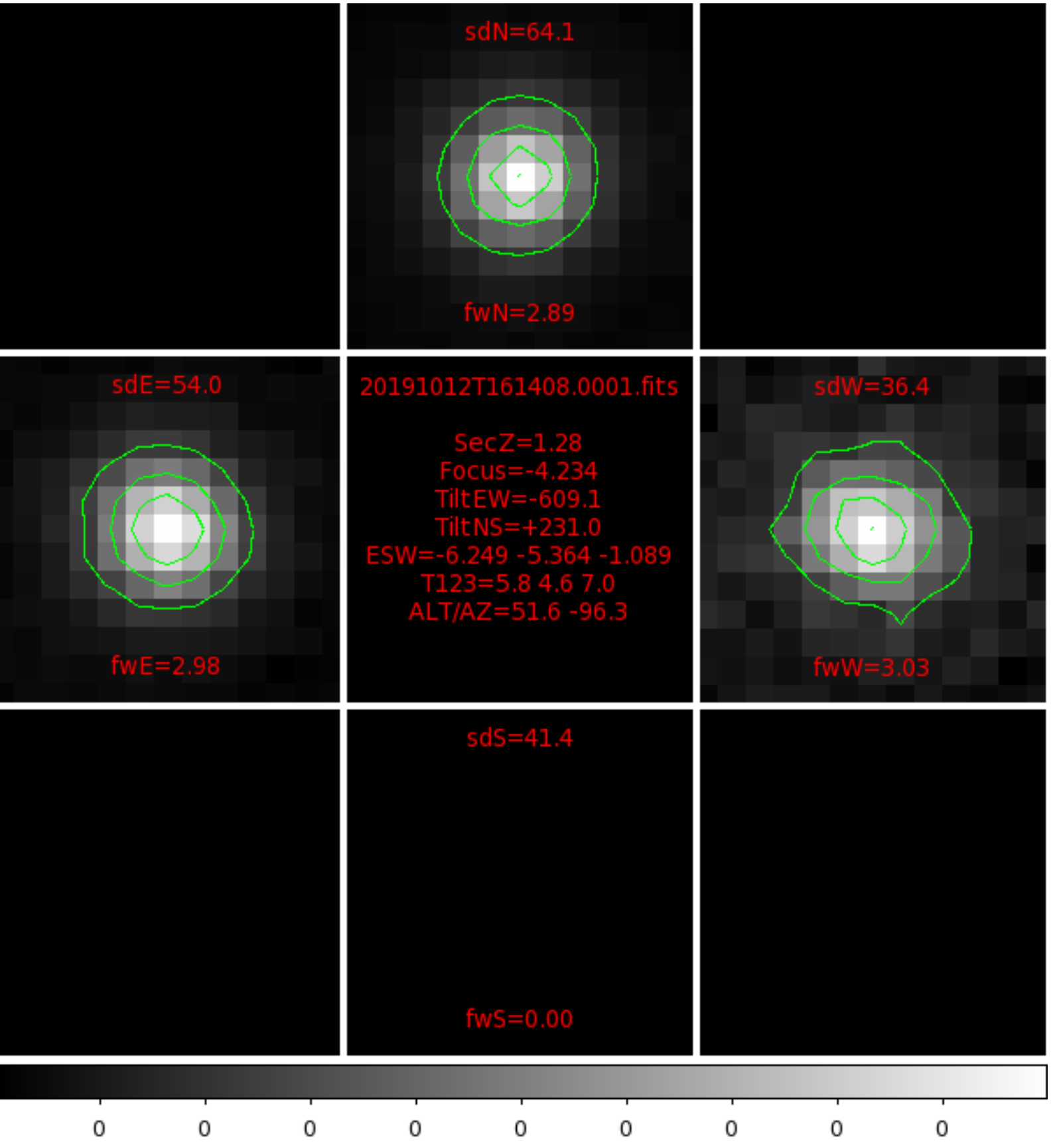
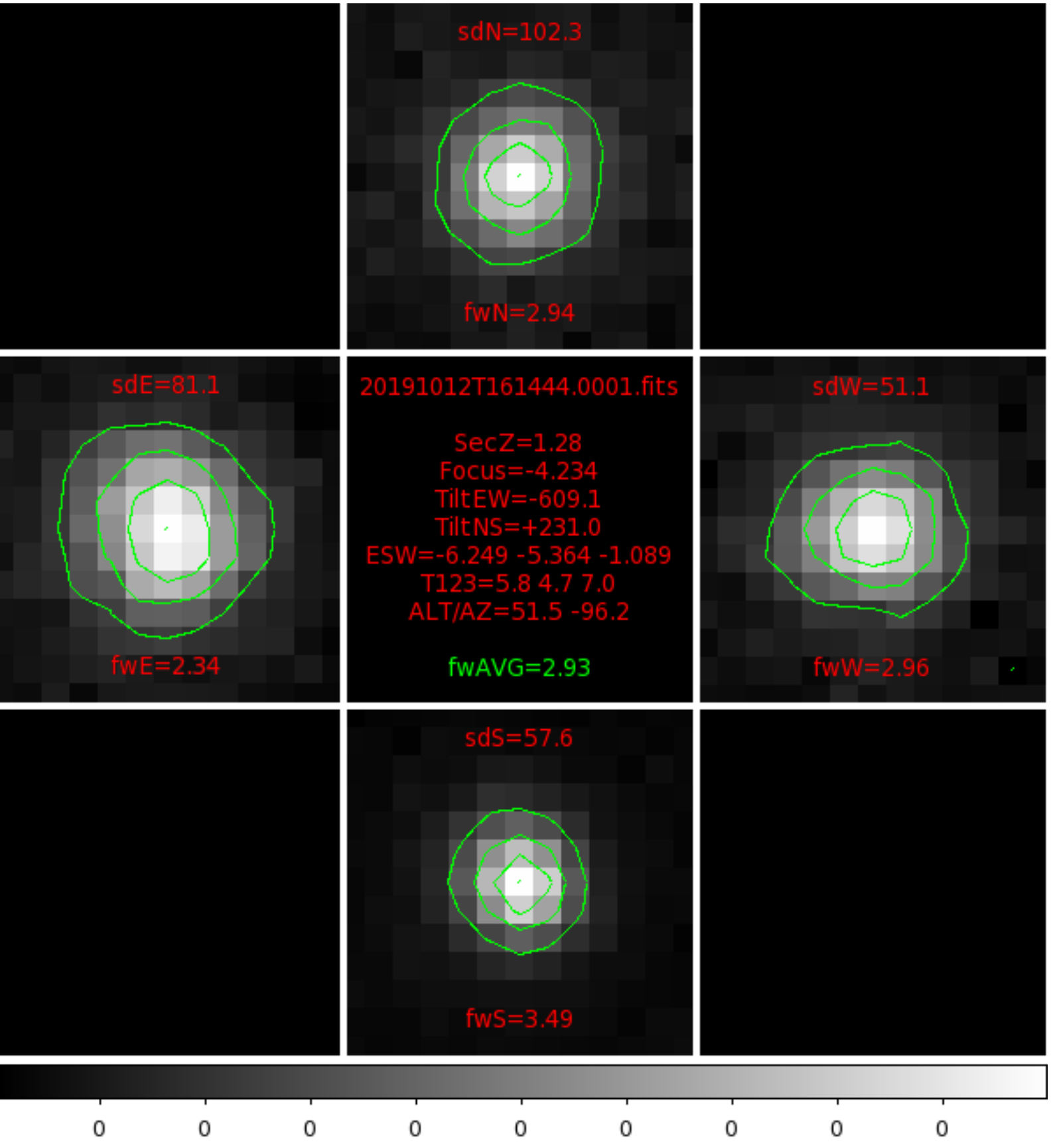
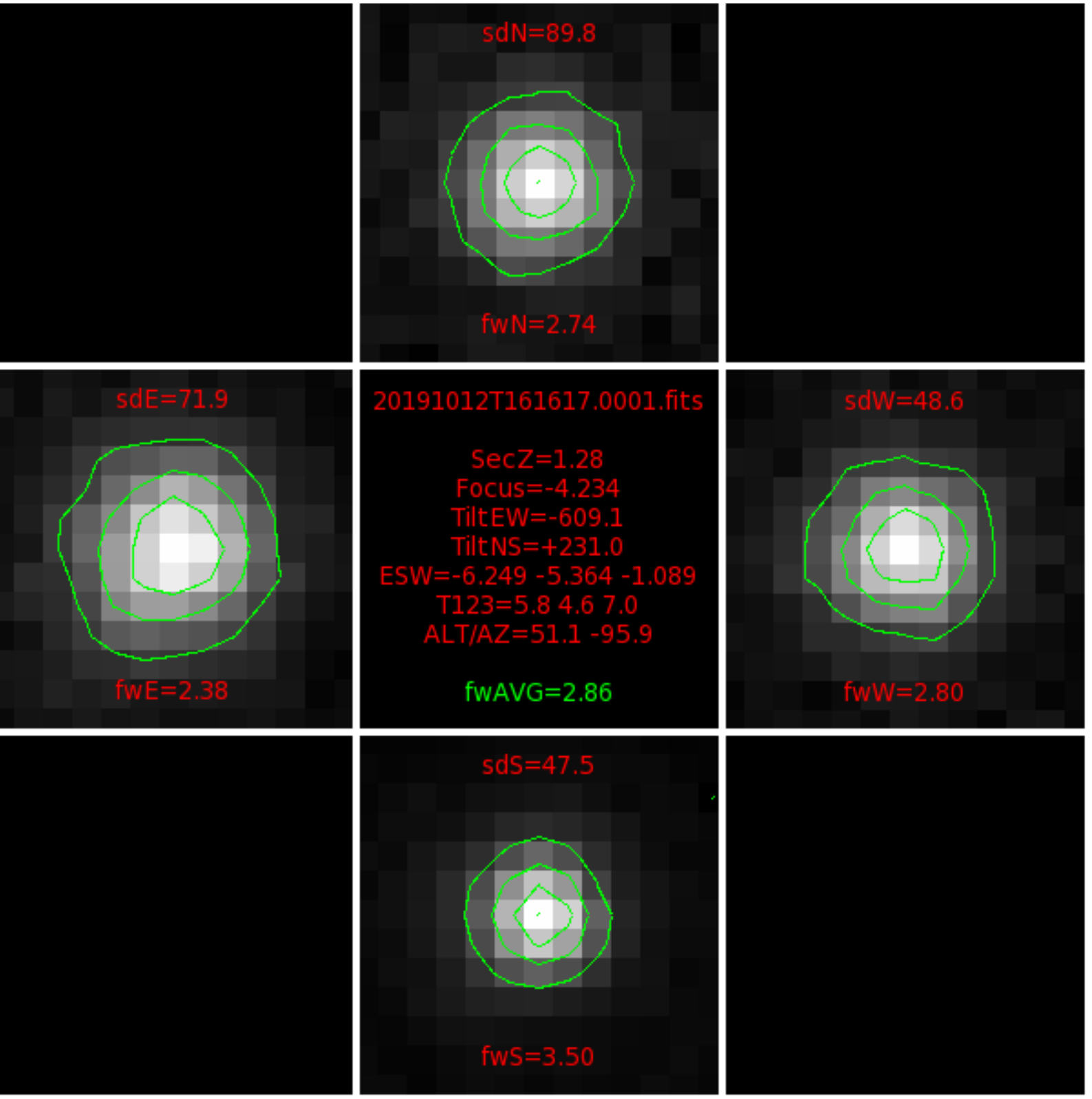

sdN=64.1
fwN=2.89
sdE=54.0
fwE=2.98
20191012T161408.0001.fits
SecZ=1.28
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 7.0
ALT/AZ=51.6 -96.3
sdW=36.4
fwW=3.03
sdS=41.4
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=102.3
fwN=2.94
sdE=81.1
fwE=2.34
20191012T161444.0001.fits
SecZ=1.28
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.7 7.0
ALT/AZ=51.5 -96.2
fwAVG=2.93
sdW=51.1
fwW=2.96
sdS=57.6
fwS=3.49
0 0 0 0 0 0 0 0 0


sdN=89.8
fwN=2.74
sdE=71.9
fwE=2.38
20191012T161617.0001.fits
SecZ=1.28
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 7.0
ALT/AZ=51.1 -95.9
fwAVG=2.86
sdW=48.6
fwW=2.80
sdS=47.5
fwS=3.50
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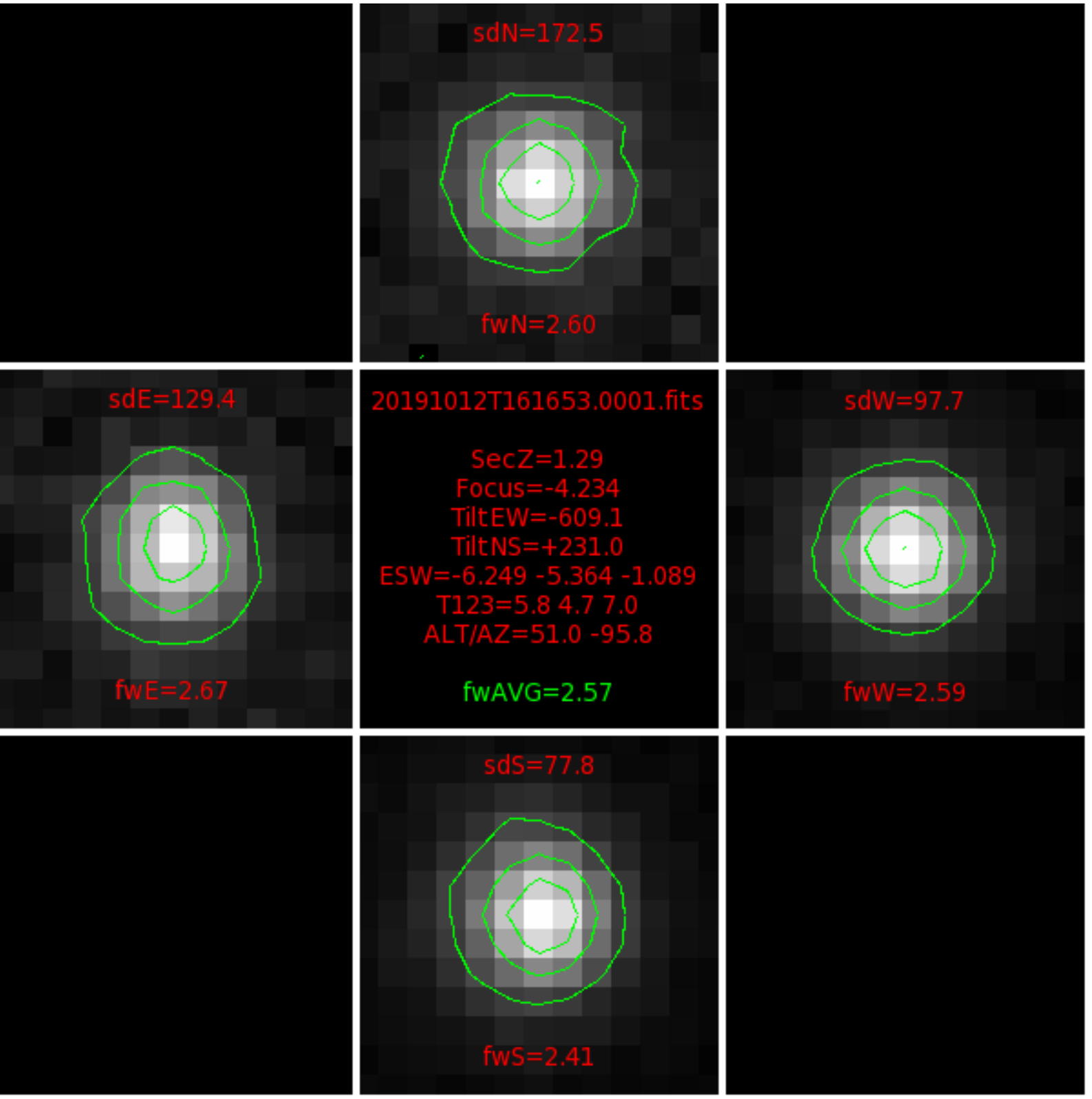
sdN=172.5
fwN=2.60
sdE=129.4
fwE=2.67
20191012T161653.0001.fits
SecZ=1.29
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.7 7.0
ALT/AZ=51.0 -95.8
fwAVG=2.57
sdW=97.7
fwW=2.59
sdS=77.8
fwS=2.41
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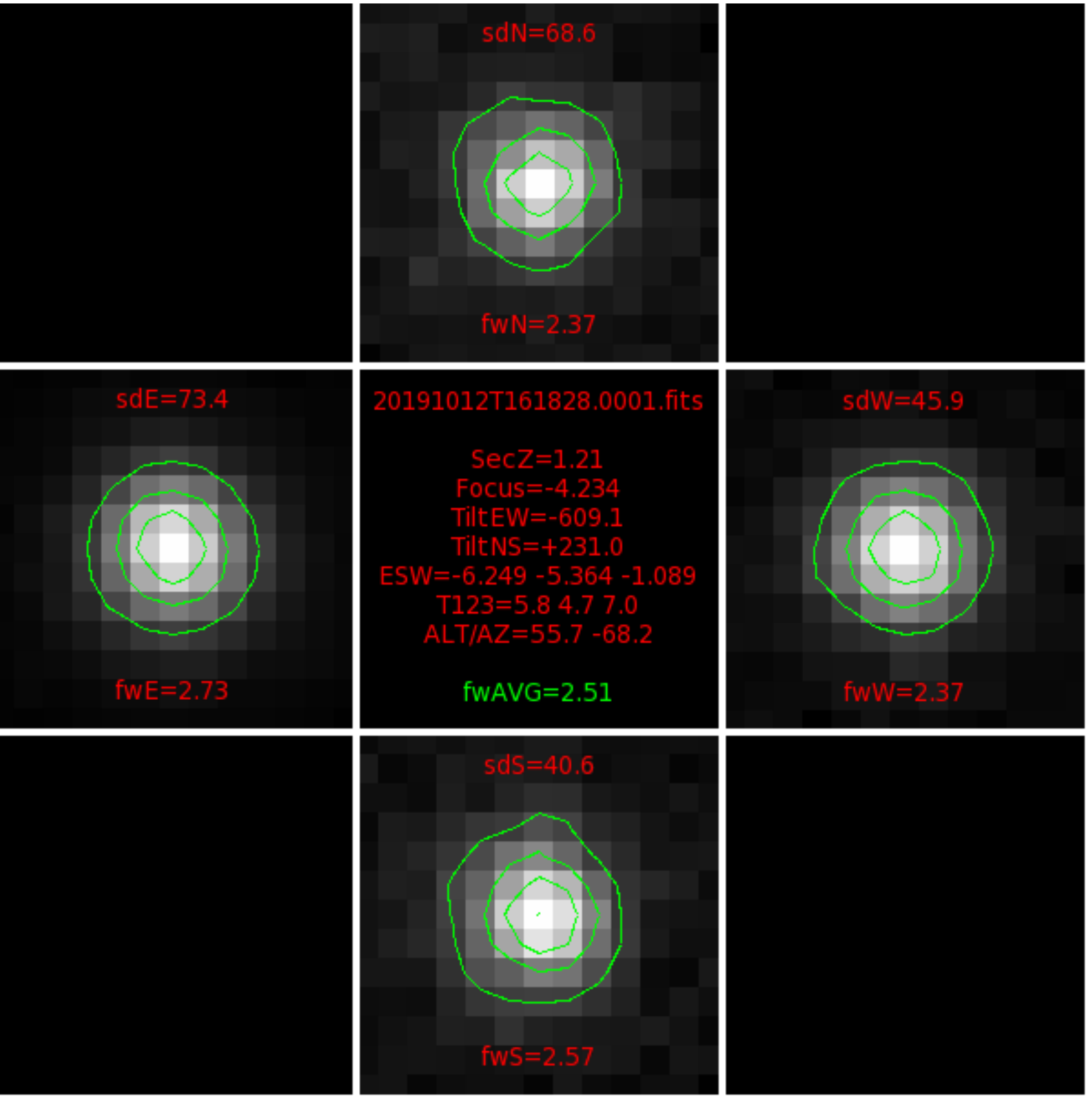
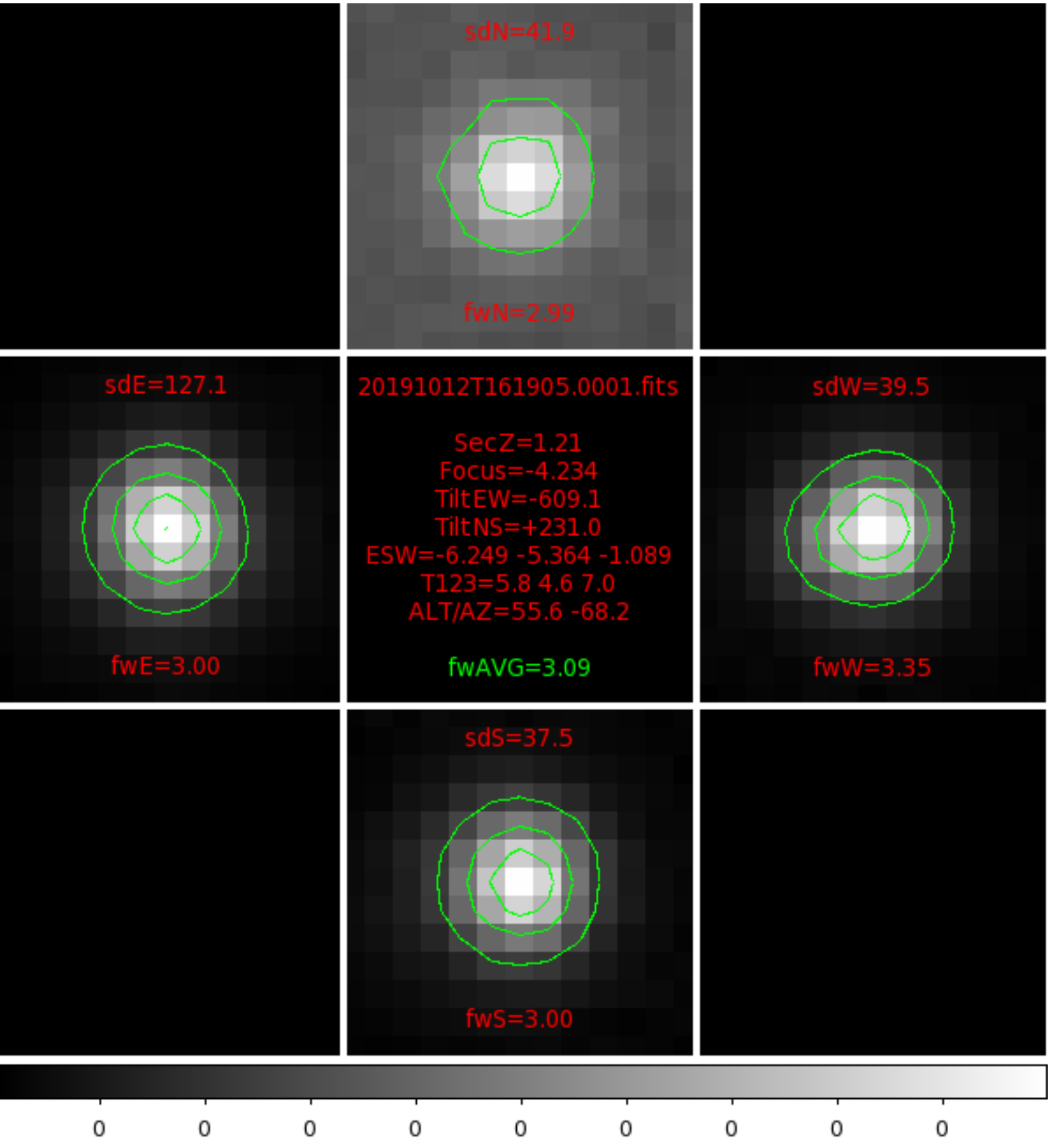
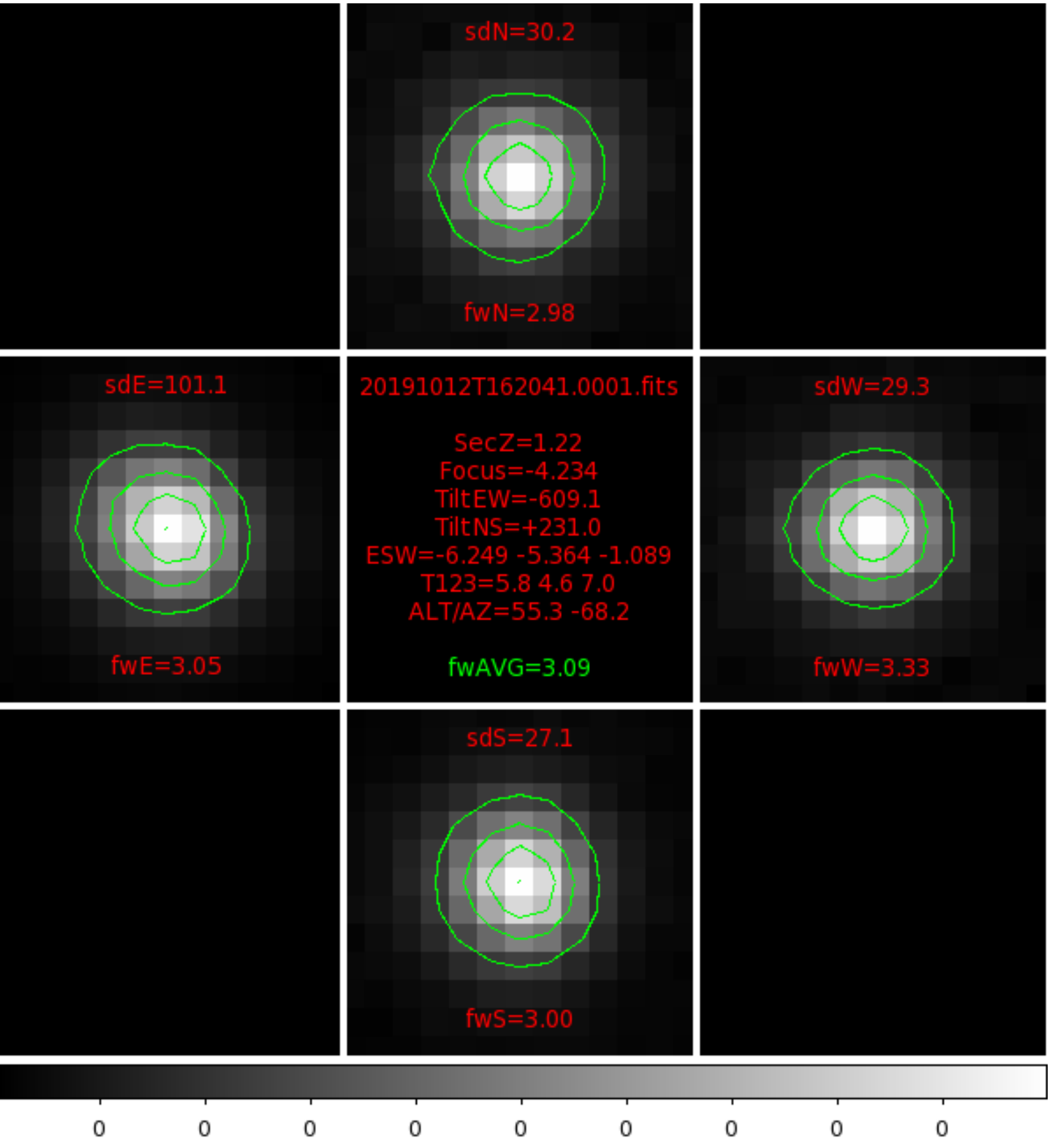

sdN=68.6
fwN=2.37
sdE=73.4
fwE=2.73
20191012T161828.0001.fits
SecZ=1.21
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.7 7.0
ALT/AZ=55.7 -68.2
fwAVG=2.51
sdW=45.9
fwW=2.37
sdS=40.6
fwS=2.57
0 0 0 0 0 0 0 0 0


sdN=41.9
fwN=2.99
sdE=127.1
fwE=3.00
20191012T161905.0001.fits
SecZ=1.21
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 7.0
ALT/AZ=55.6 -68.2
fwAVG=3.09
sdW=39.5
fwW=3.35
sdS=37.5
fwS=3.00
0 0 0 0 0 0 0 0 0


sdN=30.2
fwN=2.98
sdE=101.1
fwE=3.05
20191012T162041.0001.fits
SecZ=1.22
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 7.0
ALT/AZ=55.3 -68.2
fwAVG=3.09
sdW=29.3
fwW=3.33
sdS=27.1
fwS=3.00
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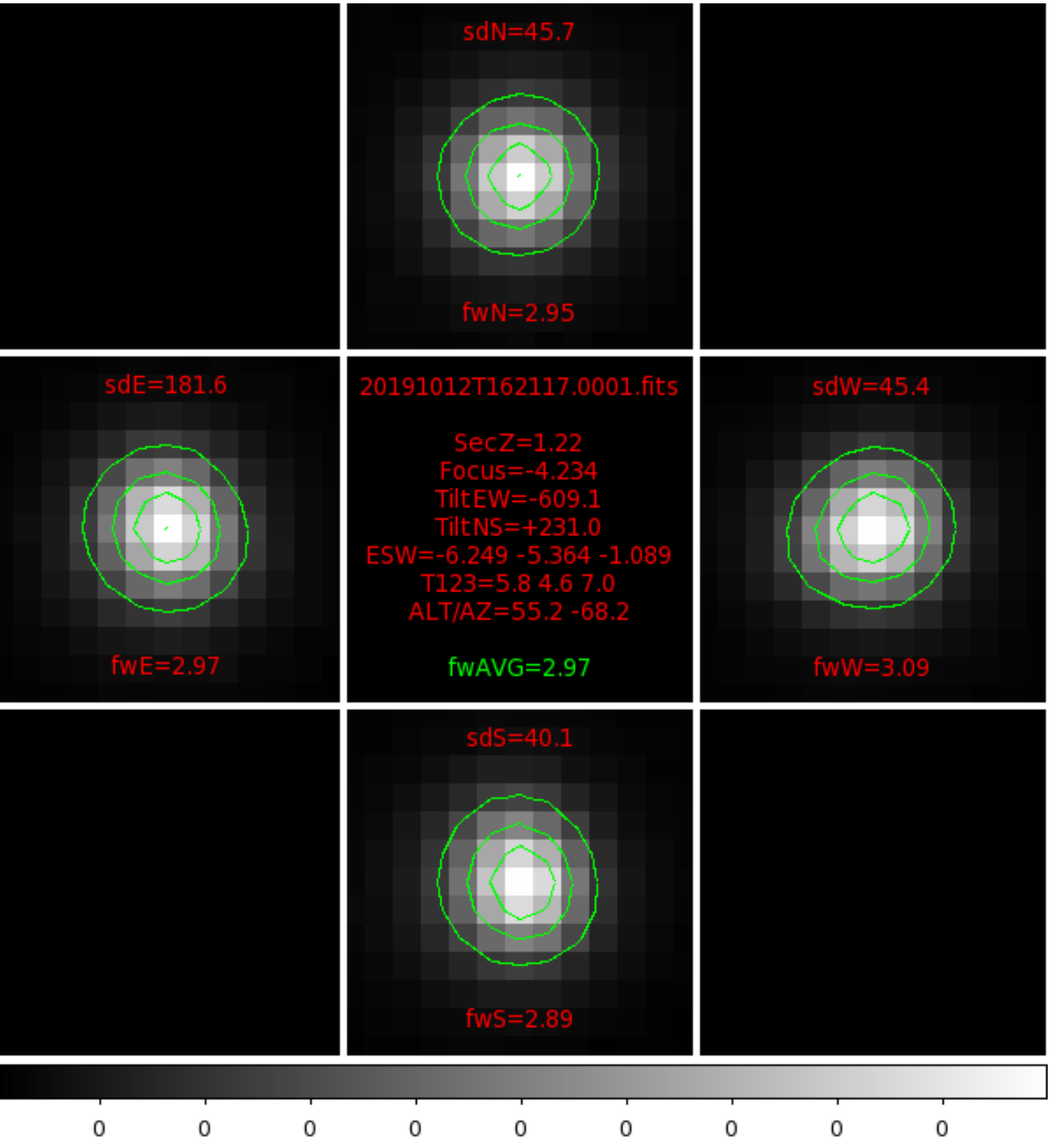
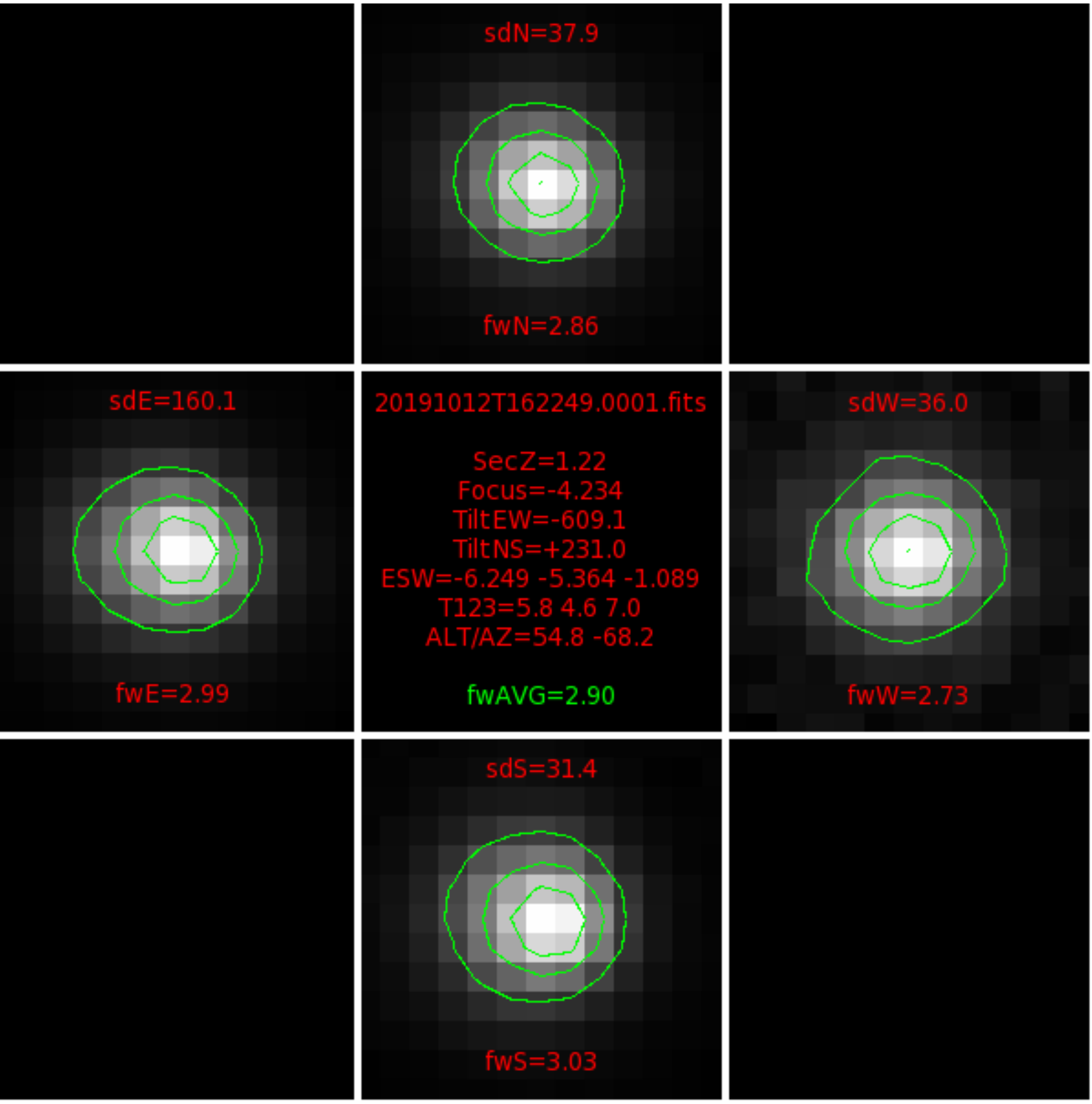

sdN=45.7
fwN=2.95
sdE=181.6
fwE=2.97
20191012T162117.0001.fits
SecZ=1.22
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 7.0
ALT/AZ=55.2 -68.2
fwAVG=2.97
sdW=45.4
fwW=3.09
sdS=40.1
fwS=2.89
0 0 0 0 0 0 0 0 0


sdN=37.9
fwN=2.86
sdE=160.1
fwE=2.99
20191012T162249.0001.fits
SecZ=1.22
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 7.0
ALT/AZ=54.8 -68.2
fwAVG=2.90
sdW=36.0
fwW=2.73
sdS=31.4
fwS=3.03
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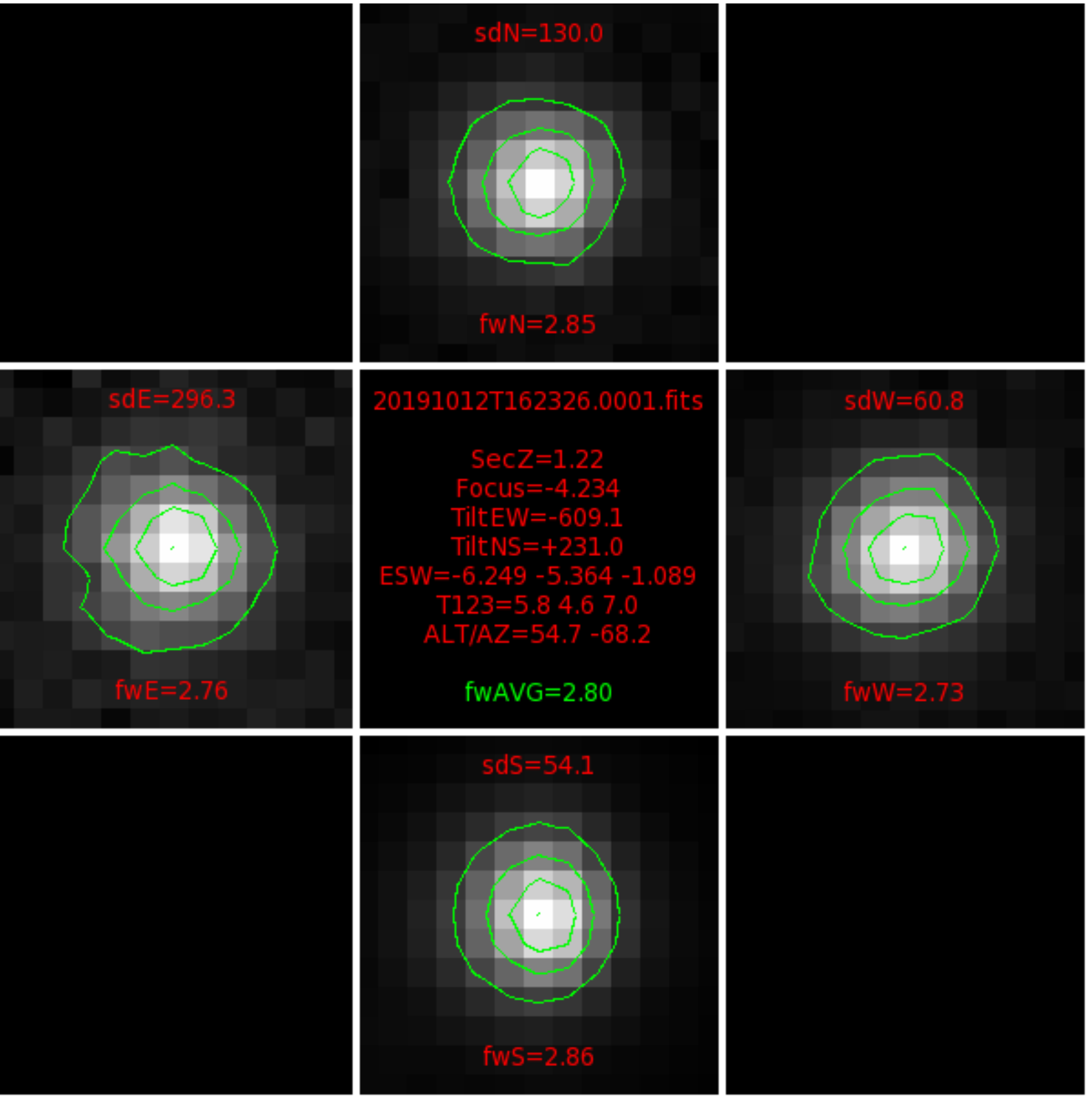
sdN=130.0
fwN=2.85
sdE=296.3
fwE=2.76
20191012T162326.0001.fits
SecZ=1.22
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 7.0
ALT/AZ=54.7 -68.2
fwAVG=2.80
sdW=60.8
fwW=2.73
sdS=54.1
fwS=2.86
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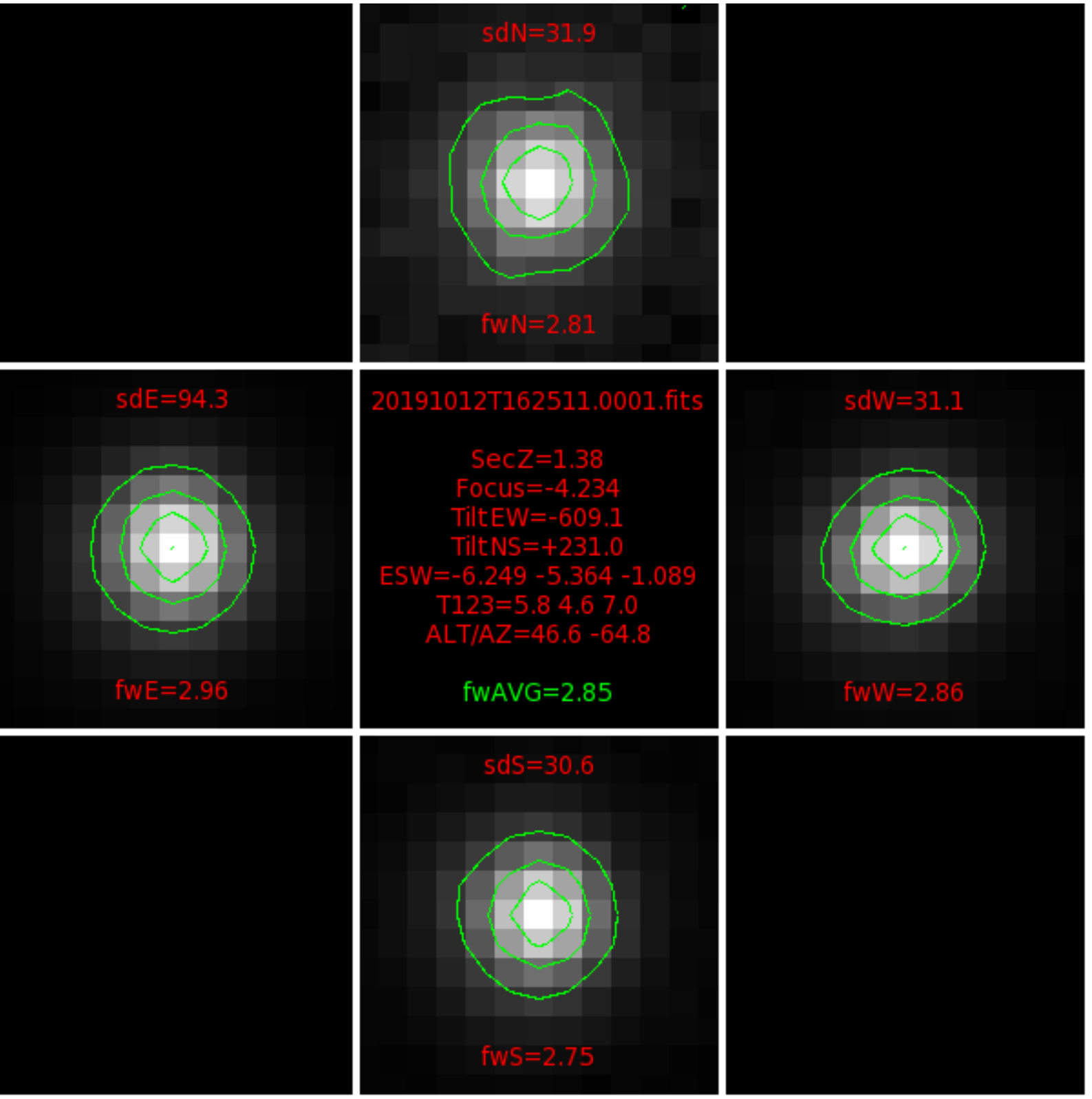
sdN=31.9
fwN=2.81
sdE=94.3
fwE=2.96
20191012T162511.0001.fits
SecZ=1.38
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 7.0
ALT/AZ=46.6 -64.8
fwAVG=2.85
sdW=31.1
fwW=2.86
sdS=30.6
fwS=2.75
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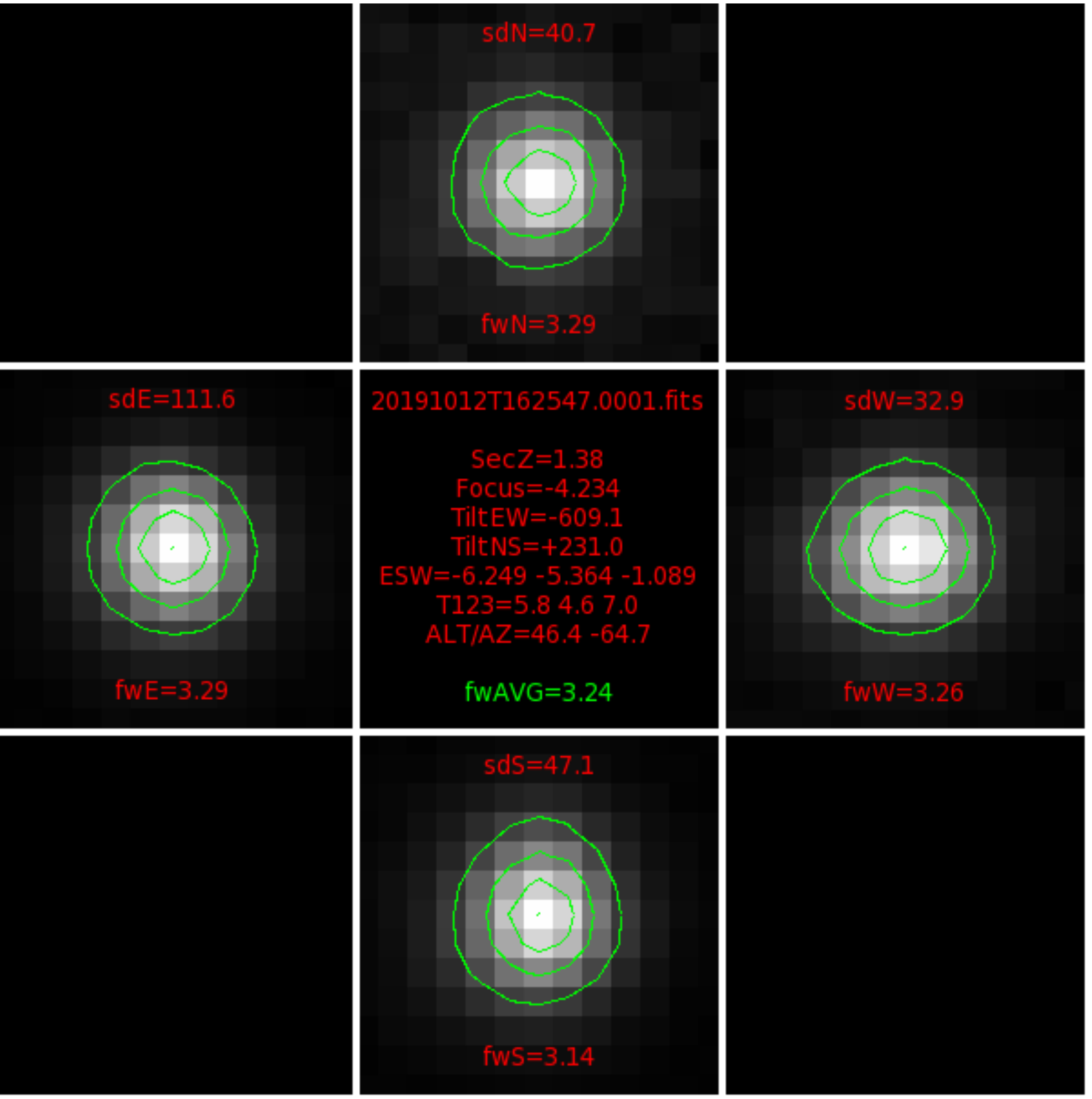
sdN=40.7
fwN=3.29
sdE=111.6
fwE=3.29
20191012T162547.0001.fits
SecZ=1.38
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 7.0
ALT/AZ=46.4 -64.7
fwAVG=3.24
sdW=32.9
fwW=3.26
sdS=47.1
fwS=3.14
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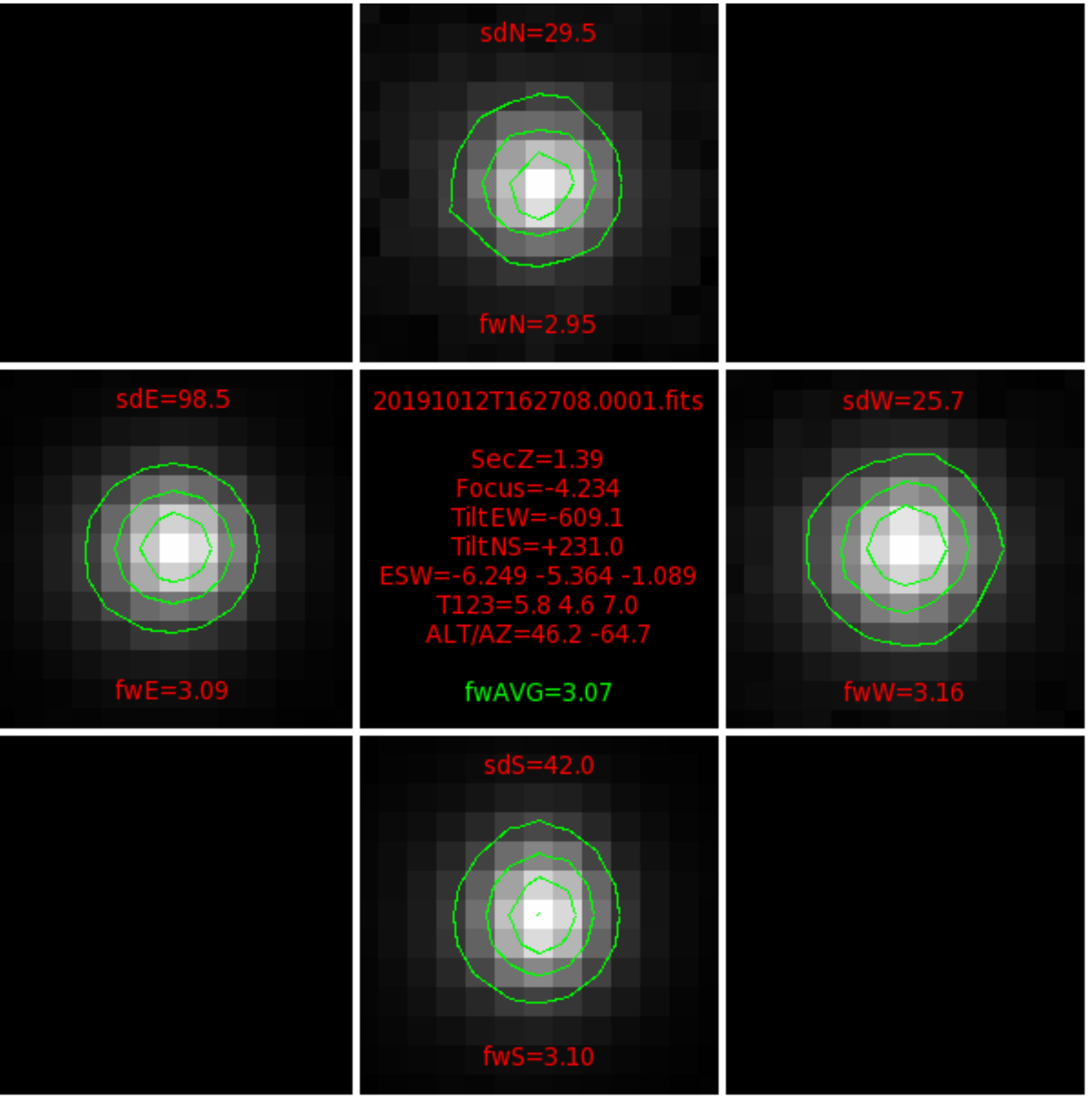
sdN=29.5
fwN=2.95
sdE=98.5
fwE=3.09
20191012T162708.0001.fits
SecZ=1.39
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 7.0
ALT/AZ=46.2 -64.7
fwAVG=3.07
sdW=25.7
fwW=3.16
sdS=42.0
fwS=3.10
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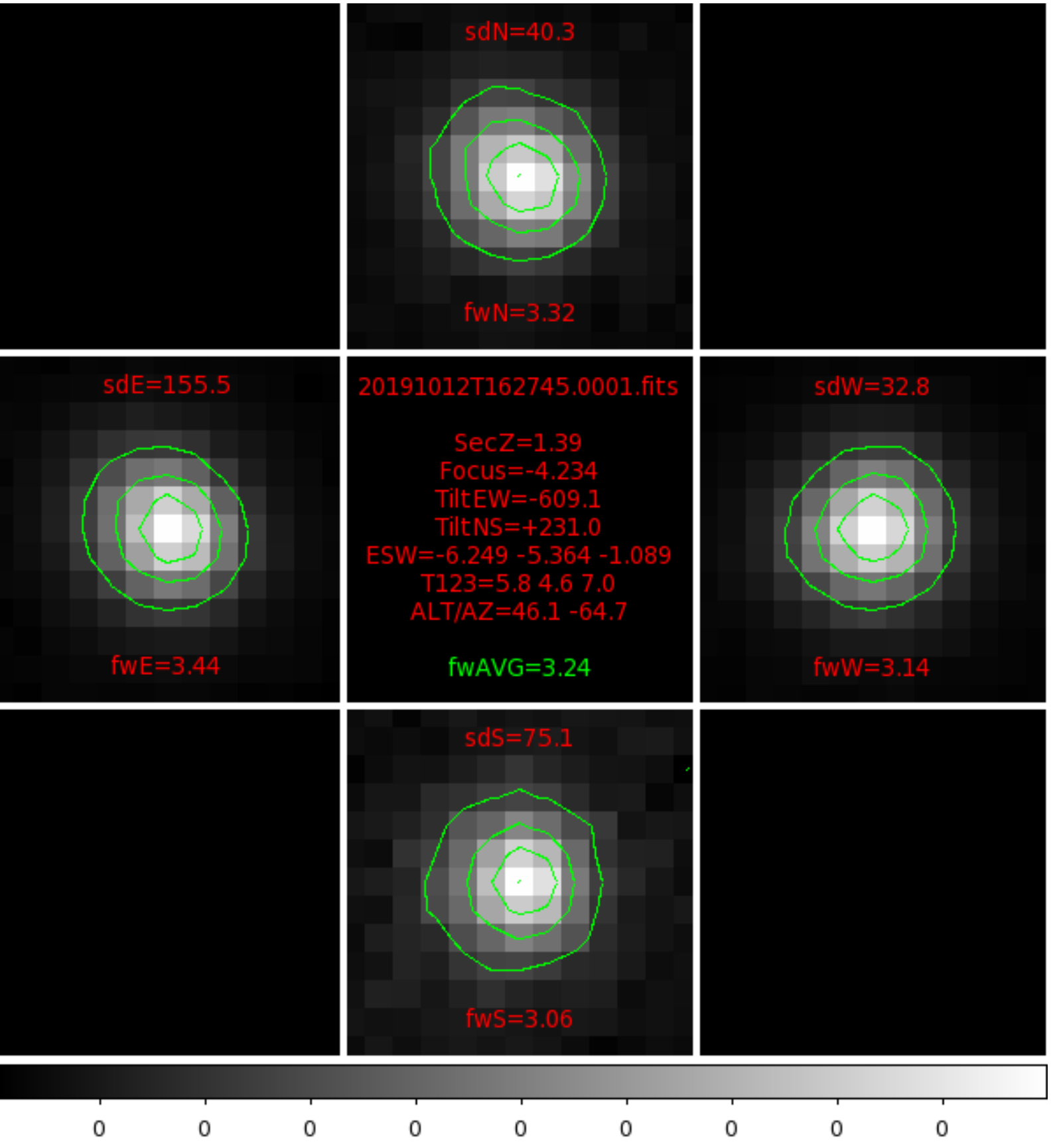
sdN=40.3
fwN=3.32
sdE=155.5
fwE=3.44
20191012T162745.0001.fits
SecZ=1.39
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 7.0
ALT/AZ=46.1 -64.7
fwAVG=3.24
sdW=32.8
fwW=3.14
sdS=75.1
fwS=3.06
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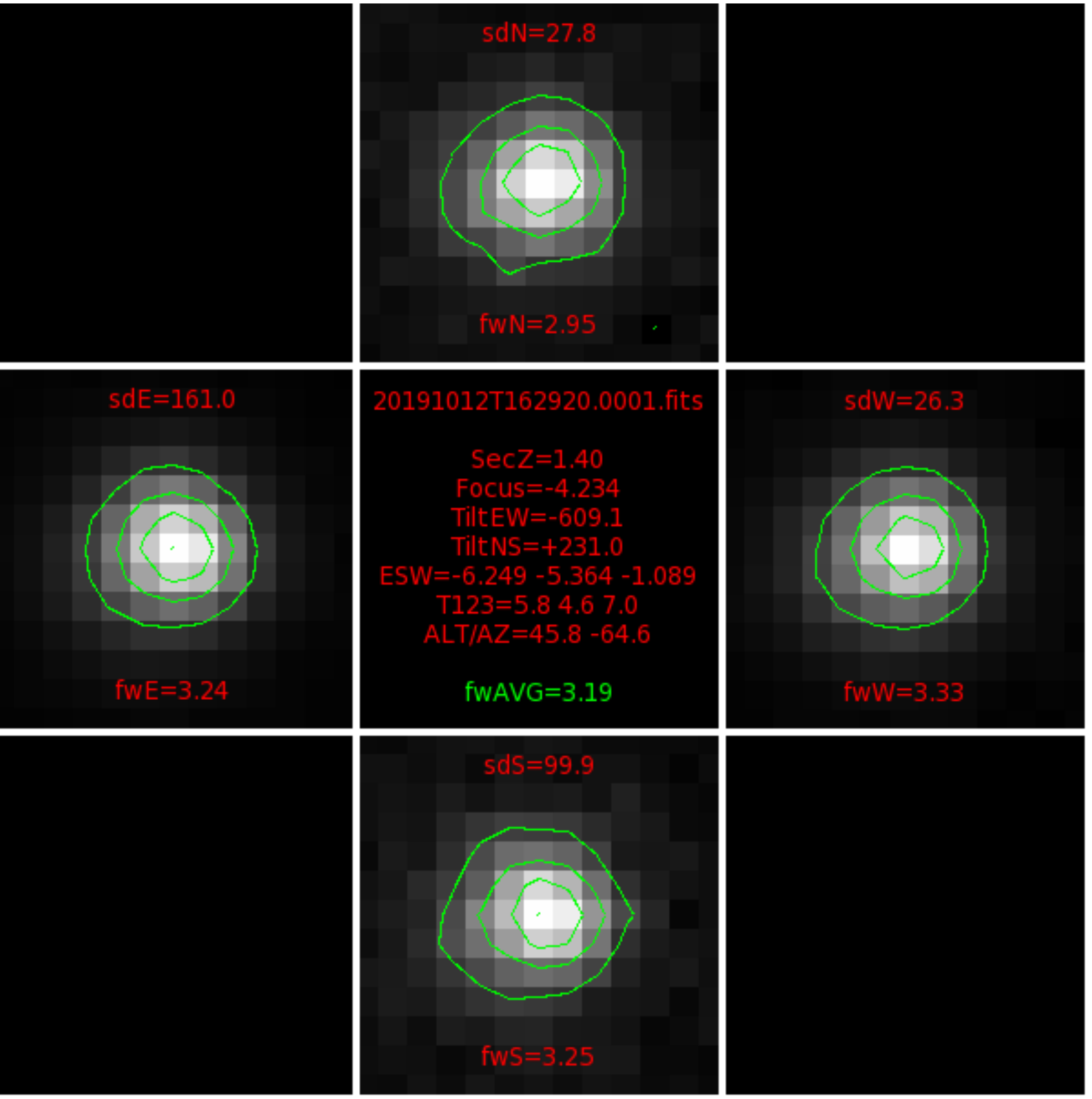
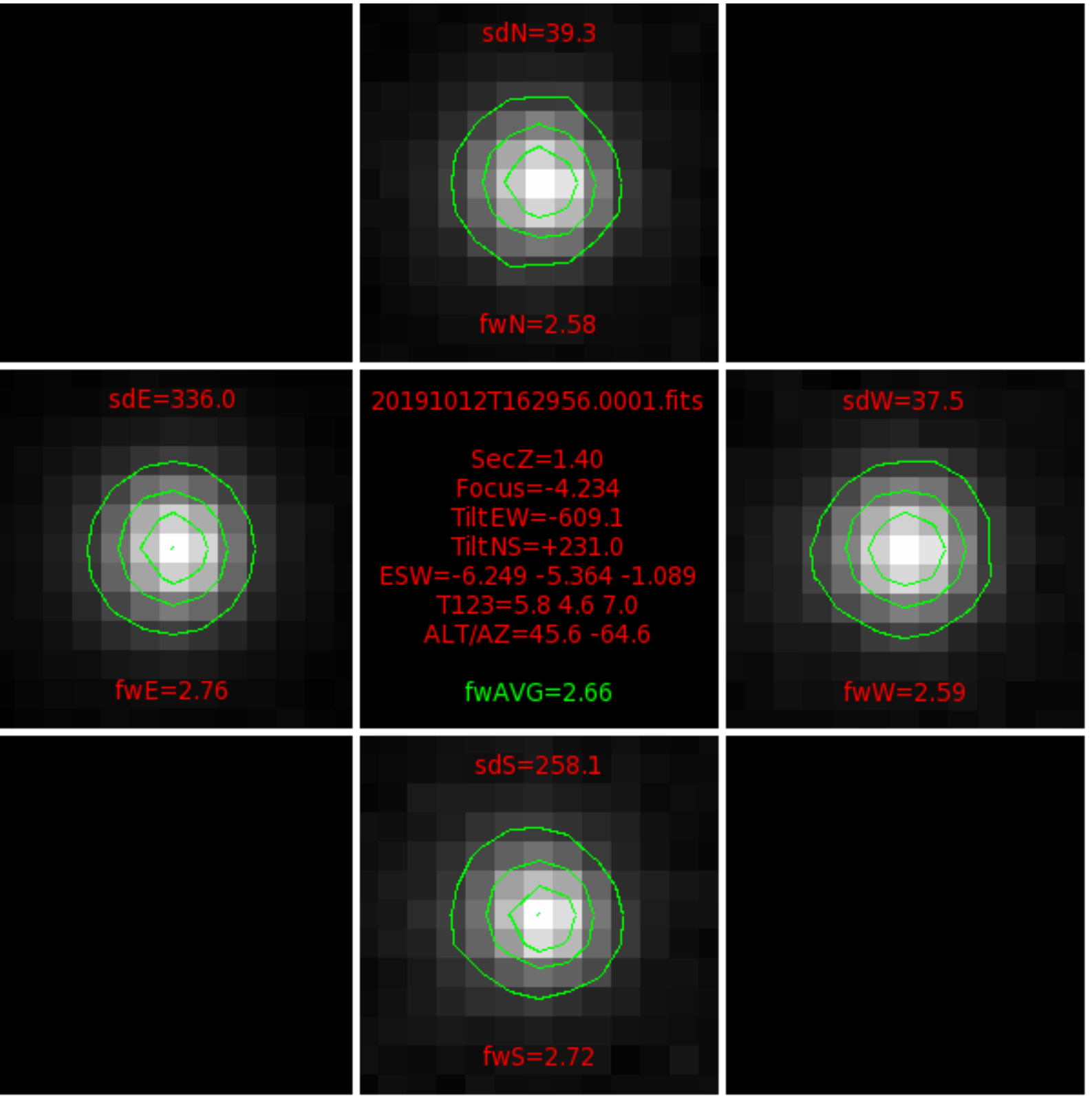
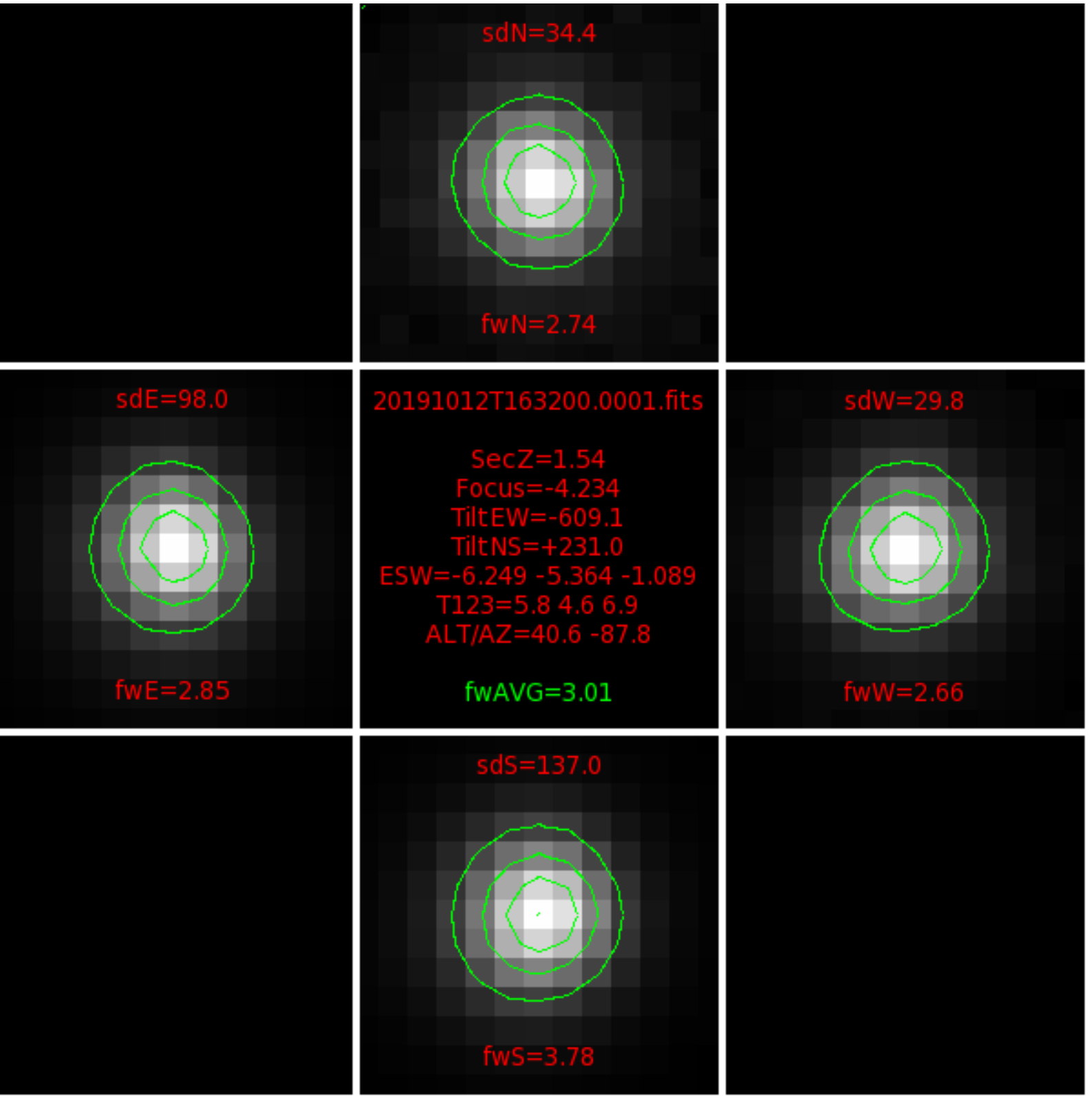

sdN=27.8
fwN=2.95
sdE=161.0
fwE=3.24
20191012T162920.0001.fits
SecZ=1.40
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 7.0
ALT/AZ=45.8 -64.6
fwAVG=3.19
sdW=26.3
fwW=3.33
sdS=99.9
fwS=3.25
0 0 0 0 0 0 0 0 0


sdN=39.3
fwN=2.58
sdE=336.0
fwE=2.76
20191012T162956.0001.fits
SecZ=1.40
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 7.0
ALT/AZ=45.6 -64.6
fwAVG=2.66
sdW=37.5
fwW=2.59
sdS=258.1
fwS=2.72
0 0 0 0 0 0 0 0 0


sdN=34.4
fwN=2.74
sdE=98.0
fwE=2.85
20191012T163200.0001.fits
SecZ=1.54
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 6.9
ALT/AZ=40.6 -87.8
fwAVG=3.01
sdW=29.8
fwW=2.66
sdS=137.0
fwS=3.78
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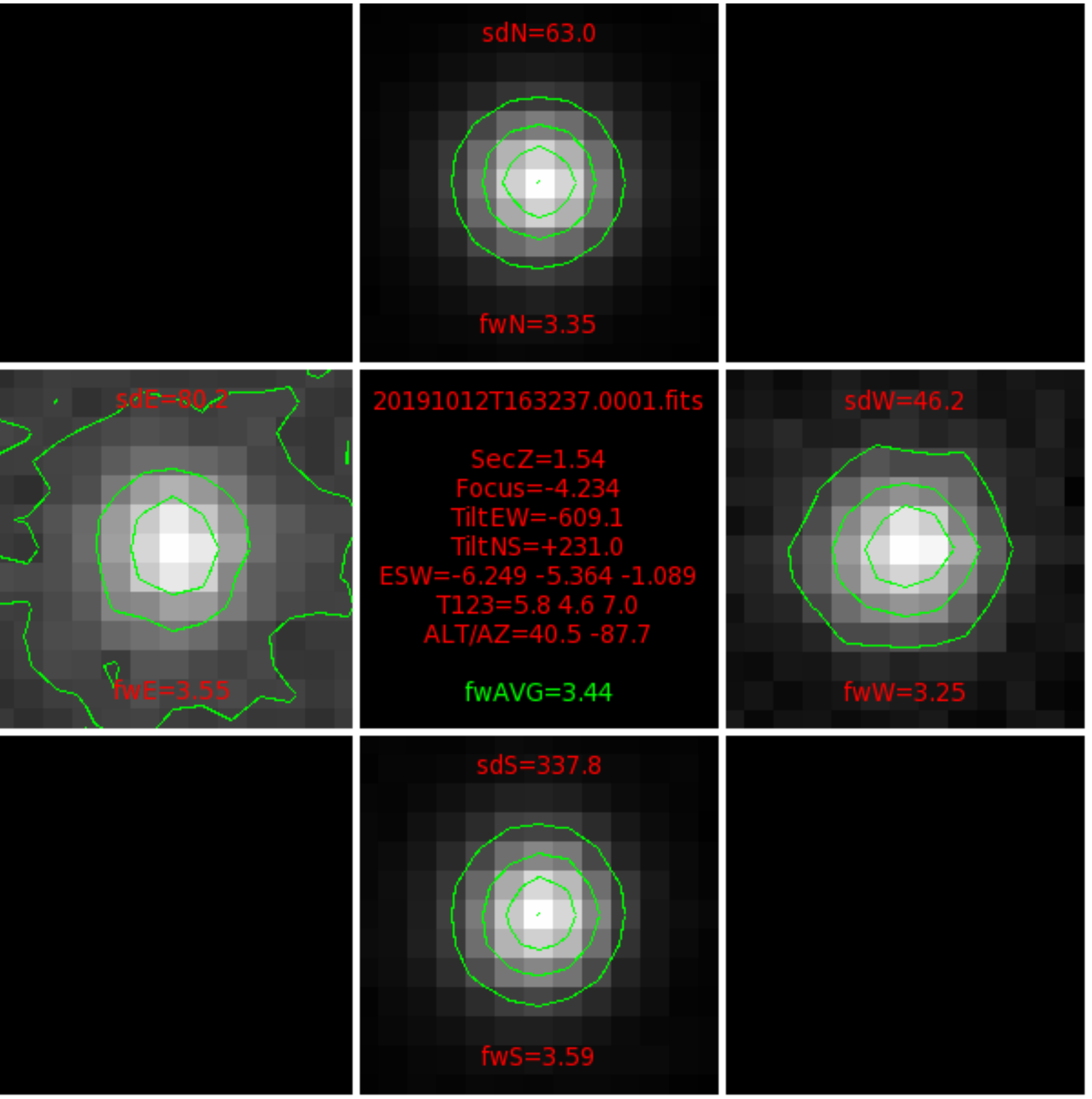
sdN=63.0
fwN=3.35
sdE=80.2
fwE=3.55
20191012T163237.0001.fits
SecZ=1.54
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 7.0
ALT/AZ=40.5 -87.7
fwAVG=3.44
sdW=46.2
fwW=3.25
sdS=337.8
fwS=3.59
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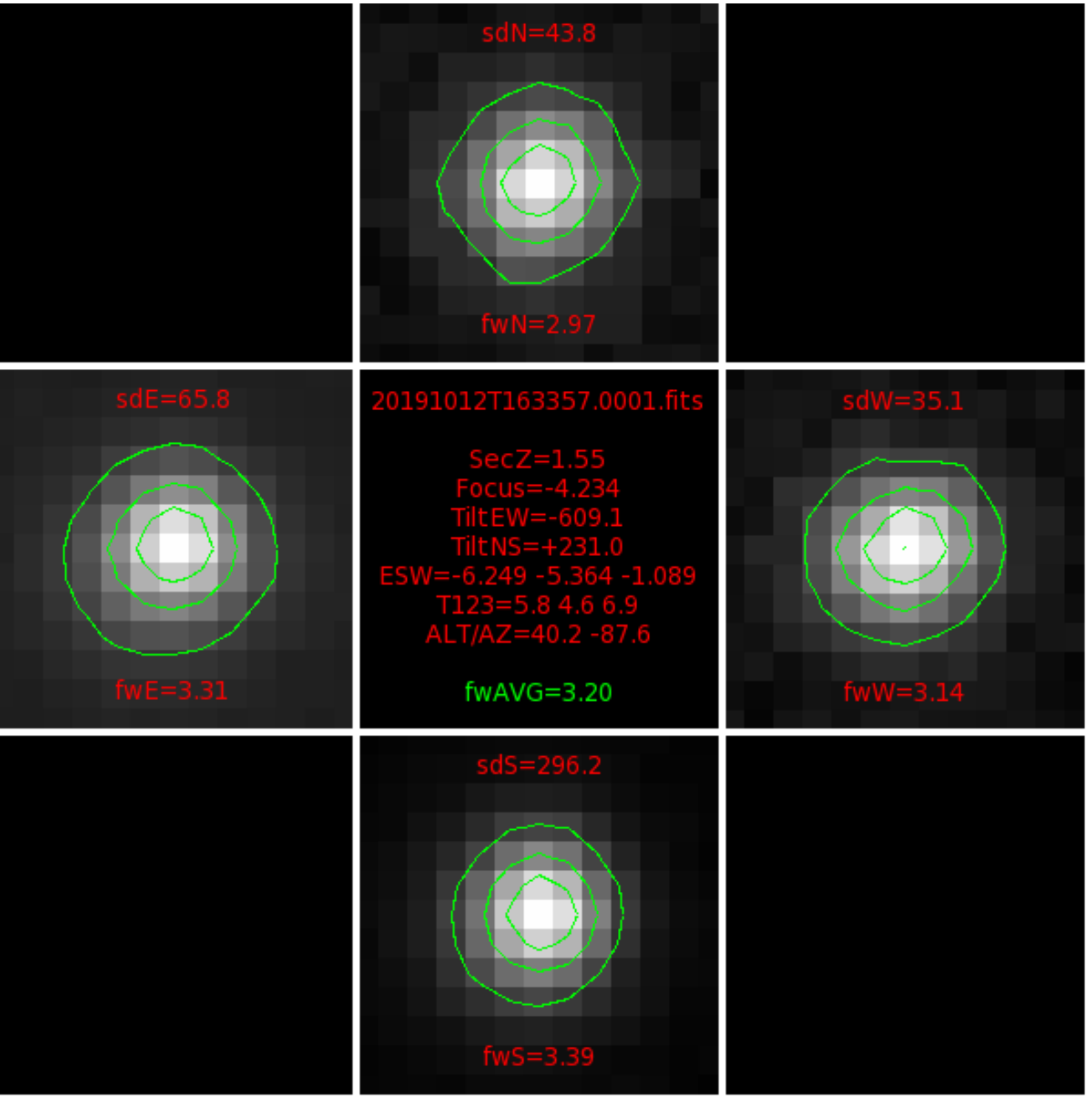
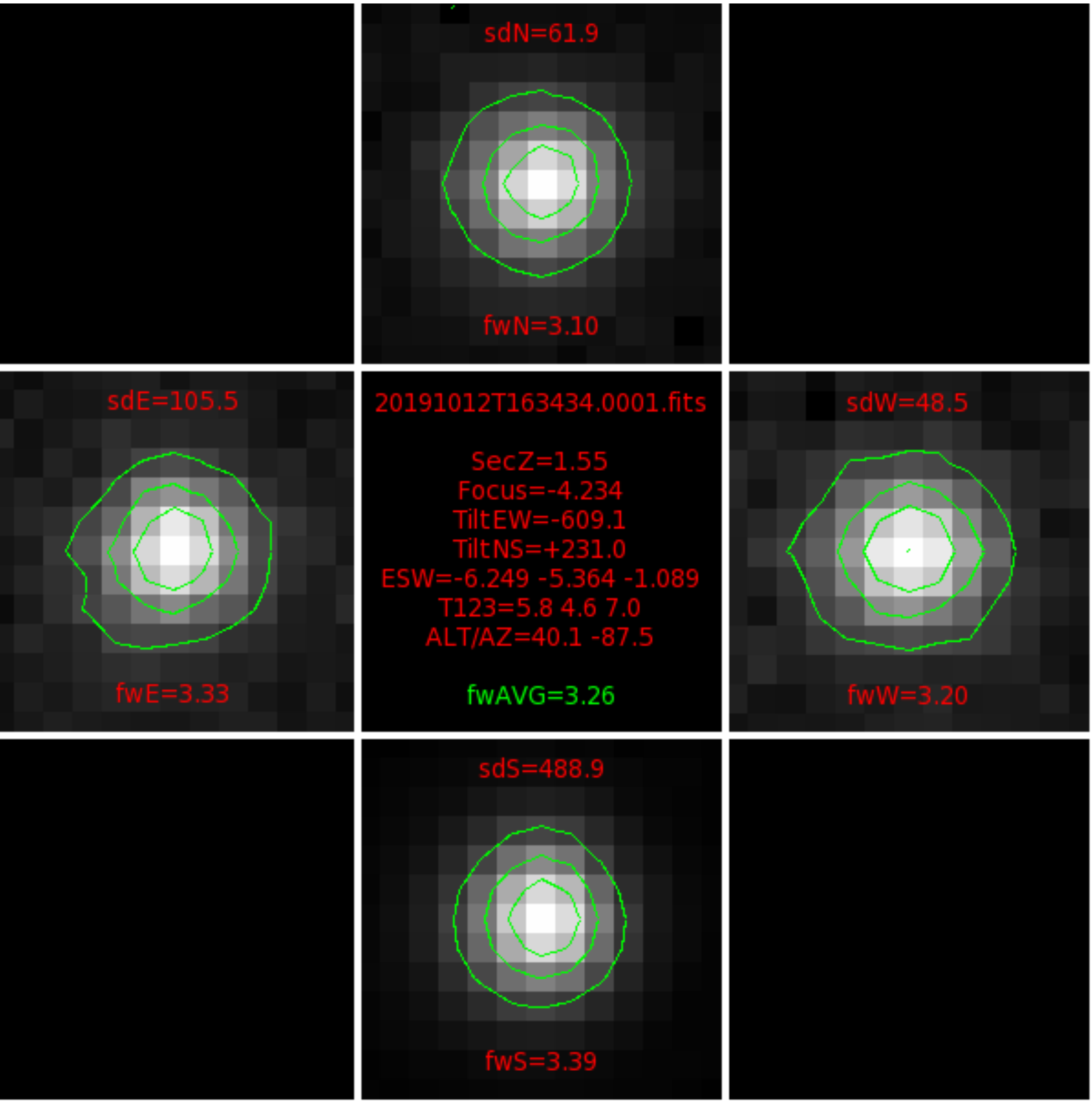
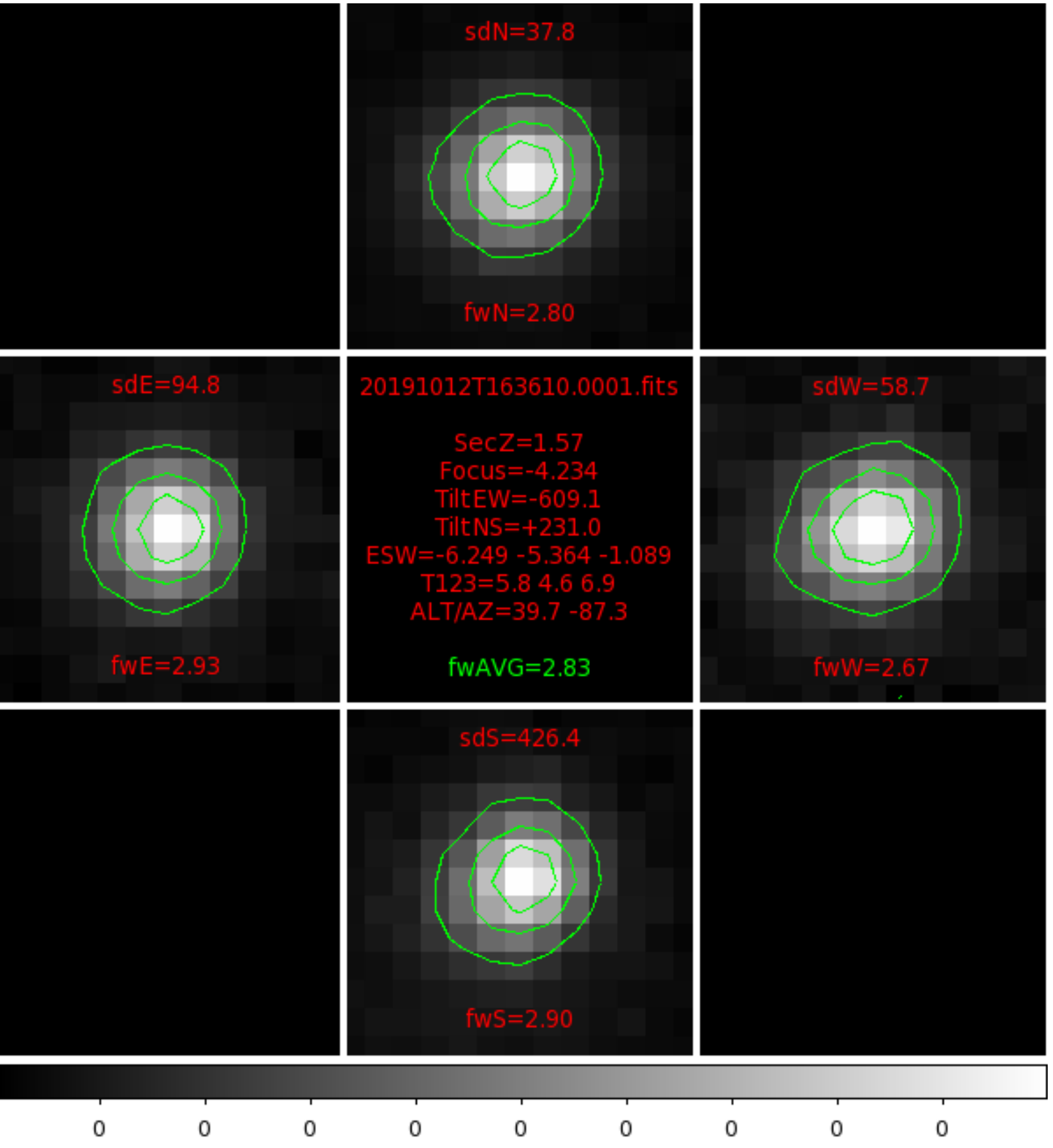
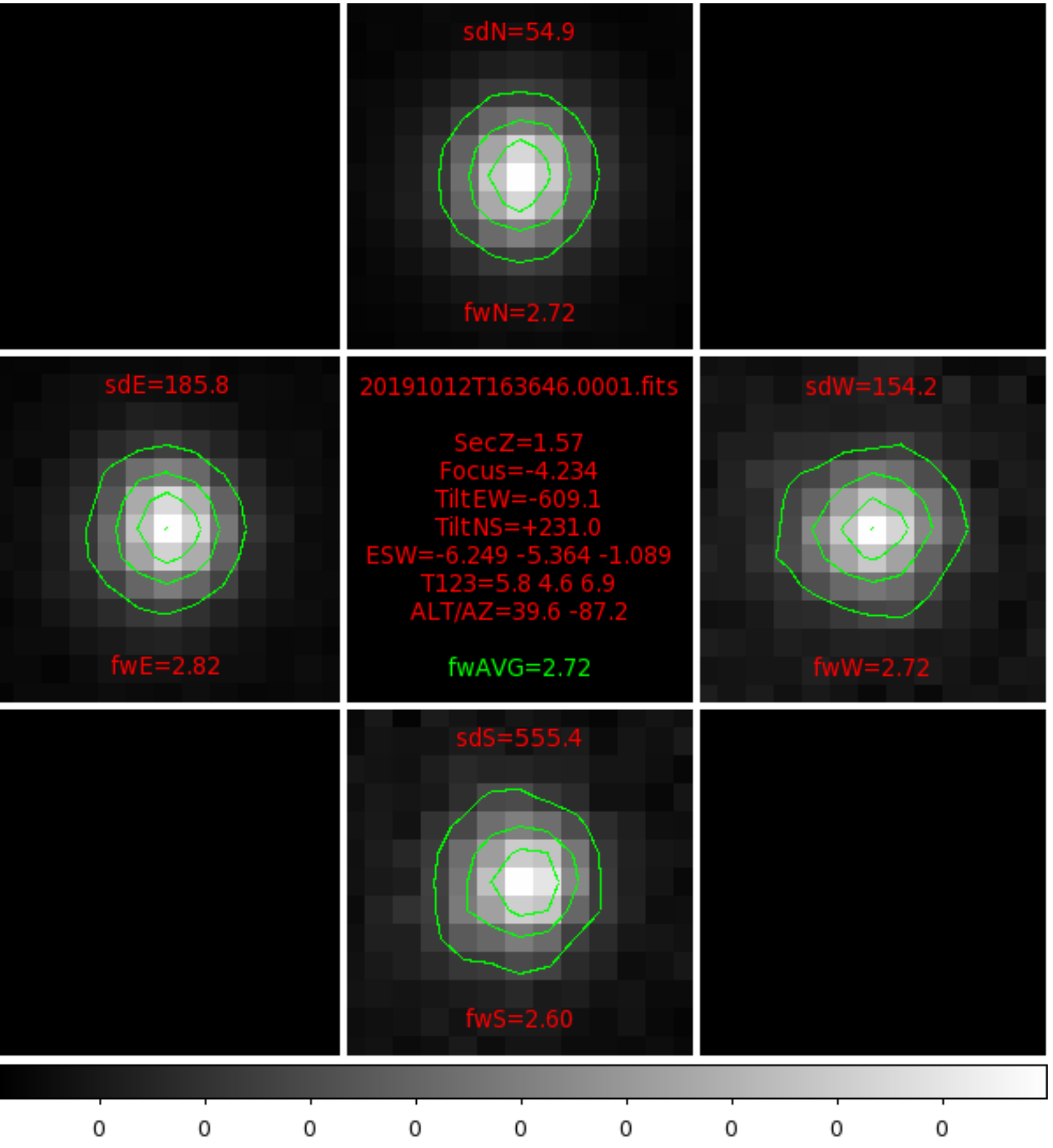

sdN=43.8
fwN=2.97
sdE=65.8
fwE=3.31
20191012T163357.0001.fits
SecZ=1.55
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 6.9
ALT/AZ=40.2 -87.6
fwAVG=3.20
sdW=35.1
fwW=3.14
sdS=296.2
fwS=3.39
0 0 0 0 0 0 0 0 0


sdN=61.9
fwN=3.10
sdE=105.5
fwE=3.33
20191012T163434.0001.fits
SecZ=1.55
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 7.0
ALT/AZ=40.1 -87.5
fwAVG=3.26
sdW=48.5
fwW=3.20
sdS=488.9
fwS=3.39
0 0 0 0 0 0 0 0 0


sdN=37.8
fwN=2.80
sdE=94.8
fwE=2.93
20191012T163610.0001.fits
SecZ=1.57
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 6.9
ALT/AZ=39.7 -87.3
fwAVG=2.83
sdW=58.7
fwW=2.67
sdS=426.4
fwS=2.90
0 0 0 0 0 0 0 0 0


sdN=54.9
fwN=2.72
sdE=185.8
fwE=2.82
20191012T163646.0001.fits
SecZ=1.57
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 6.9
ALT/AZ=39.6 -87.2
fwAVG=2.72
sdW=154.2
fwW=2.72
sdS=555.4
fwS=2.60
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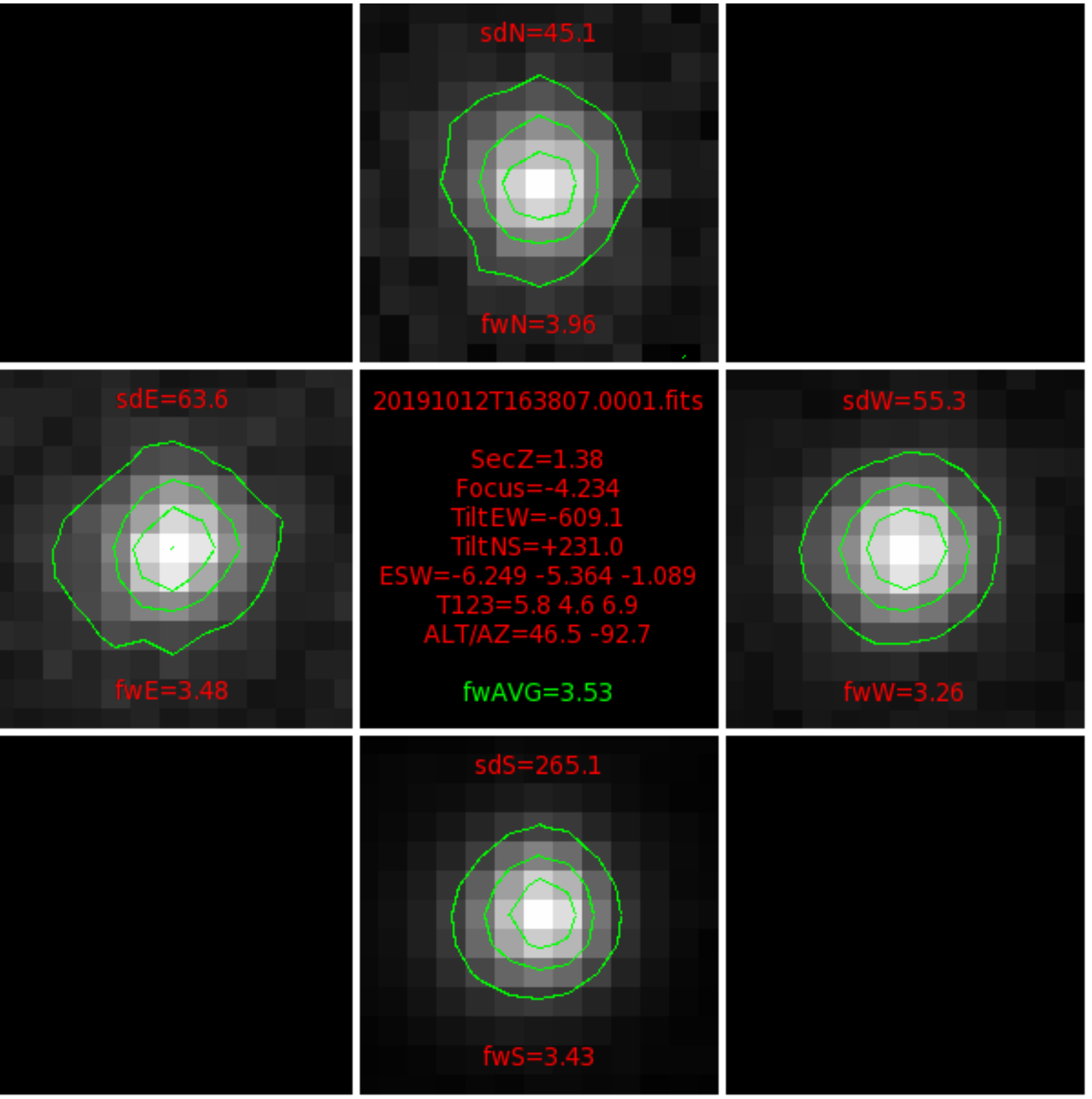
sdN=45.1
fwN=3.96
sdE=63.6
fwE=3.48
20191012T163807.0001.fits
SecZ=1.38
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.6 6.9
ALT/AZ=46.5 -92.7
fwAVG=3.53
sdW=55.3
fwW=3.26
sdS=265.1
fwS=3.43
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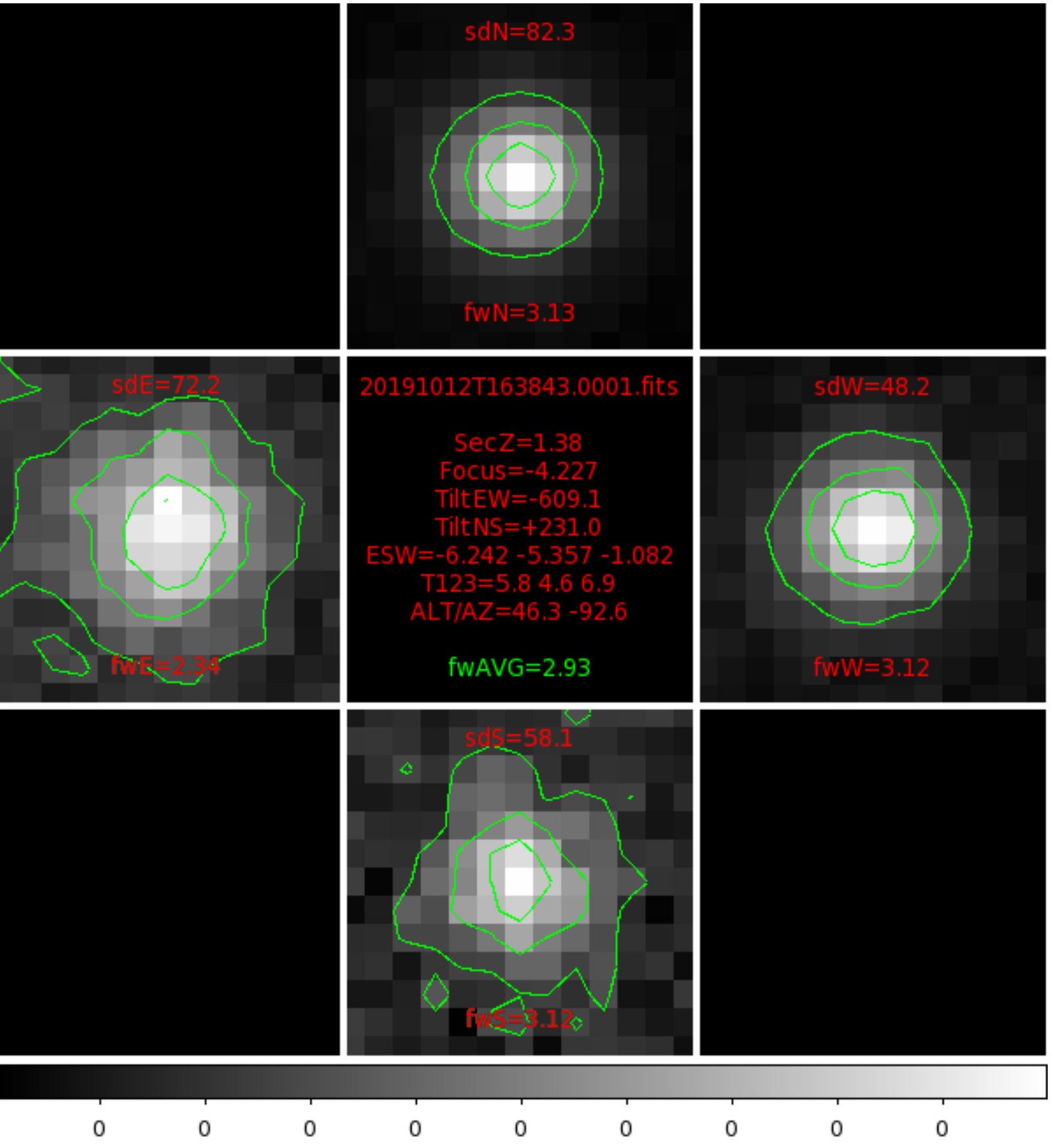
sdN=82.3
fwN=3.13
sdE=72.2
fwE=2.34
20191012T163843.0001.fits
SecZ=1.38
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.6 6.9
ALT/AZ=46.3 -92.6
fwAVG=2.93
sdW=48.2
fwW=3.12
sdS=58.1
fwS=3.12
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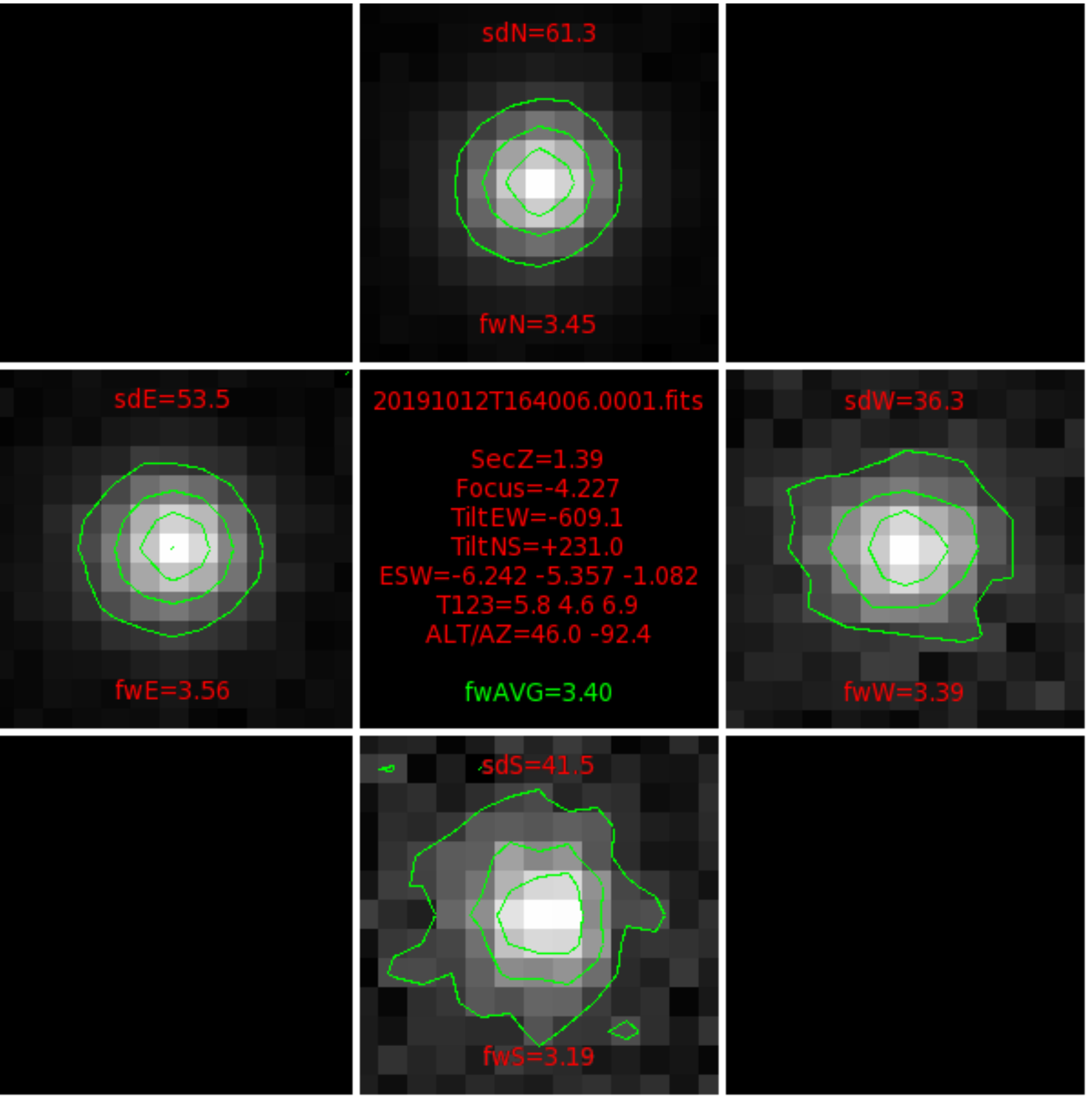
sdN=61.3
fwN=3.45
sdE=53.5
fwE=3.56
20191012T164006.0001.fits
SecZ=1.39
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.6 6.9
ALT/AZ=46.0 -92.4
fwAVG=3.40
sdW=36.3
fwW=3.39
sdS=41.5
fwS=3.19
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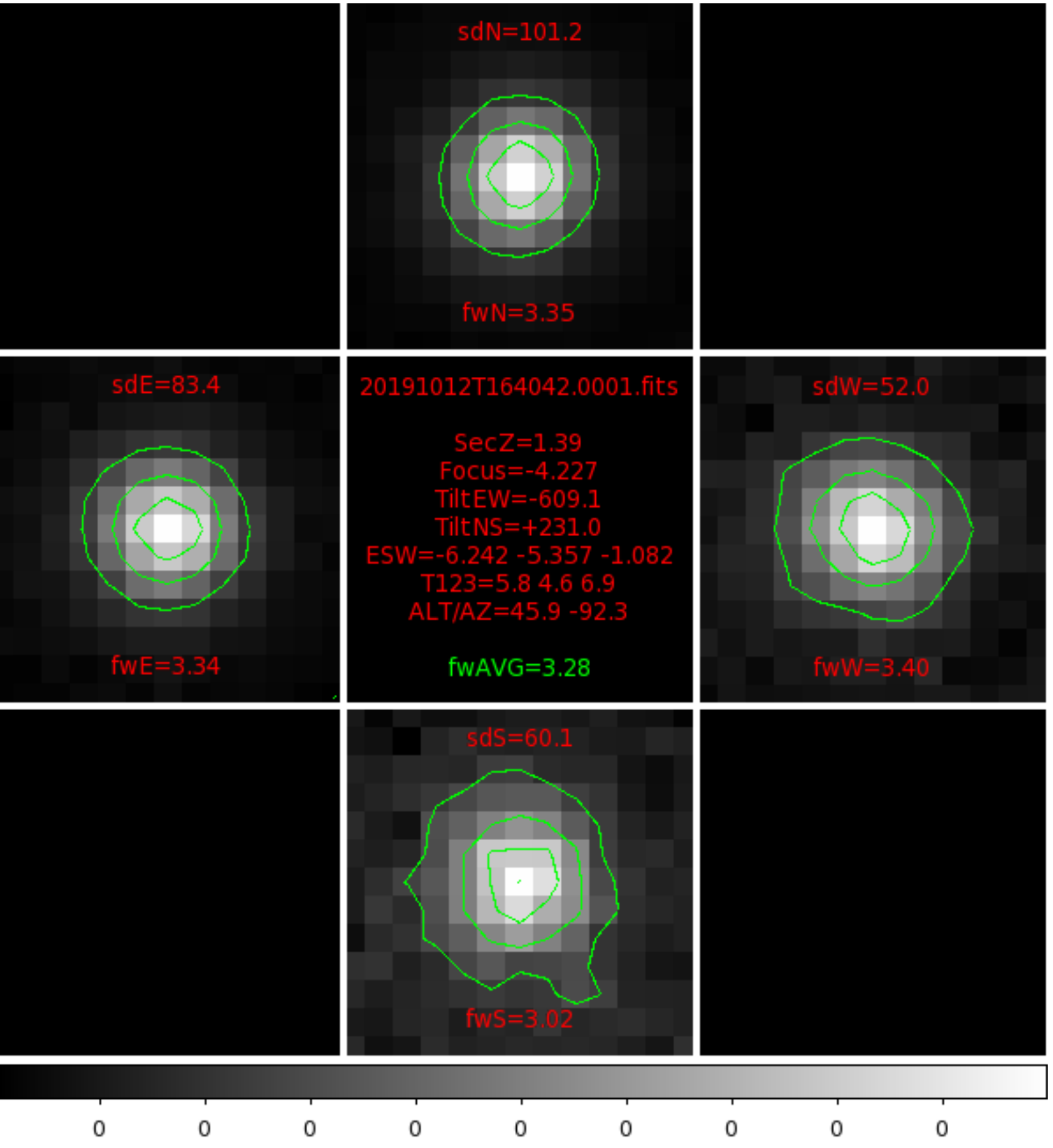
sdN=101.2
fwN=3.35
sdE=83.4
fwE=3.34
20191012T164042.0001.fits
SecZ=1.39
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.6 6.9
ALT/AZ=45.9 -92.3
fwAVG=3.28
sdW=52.0
fwW=3.40
sdS=60.1
fwS=3.02
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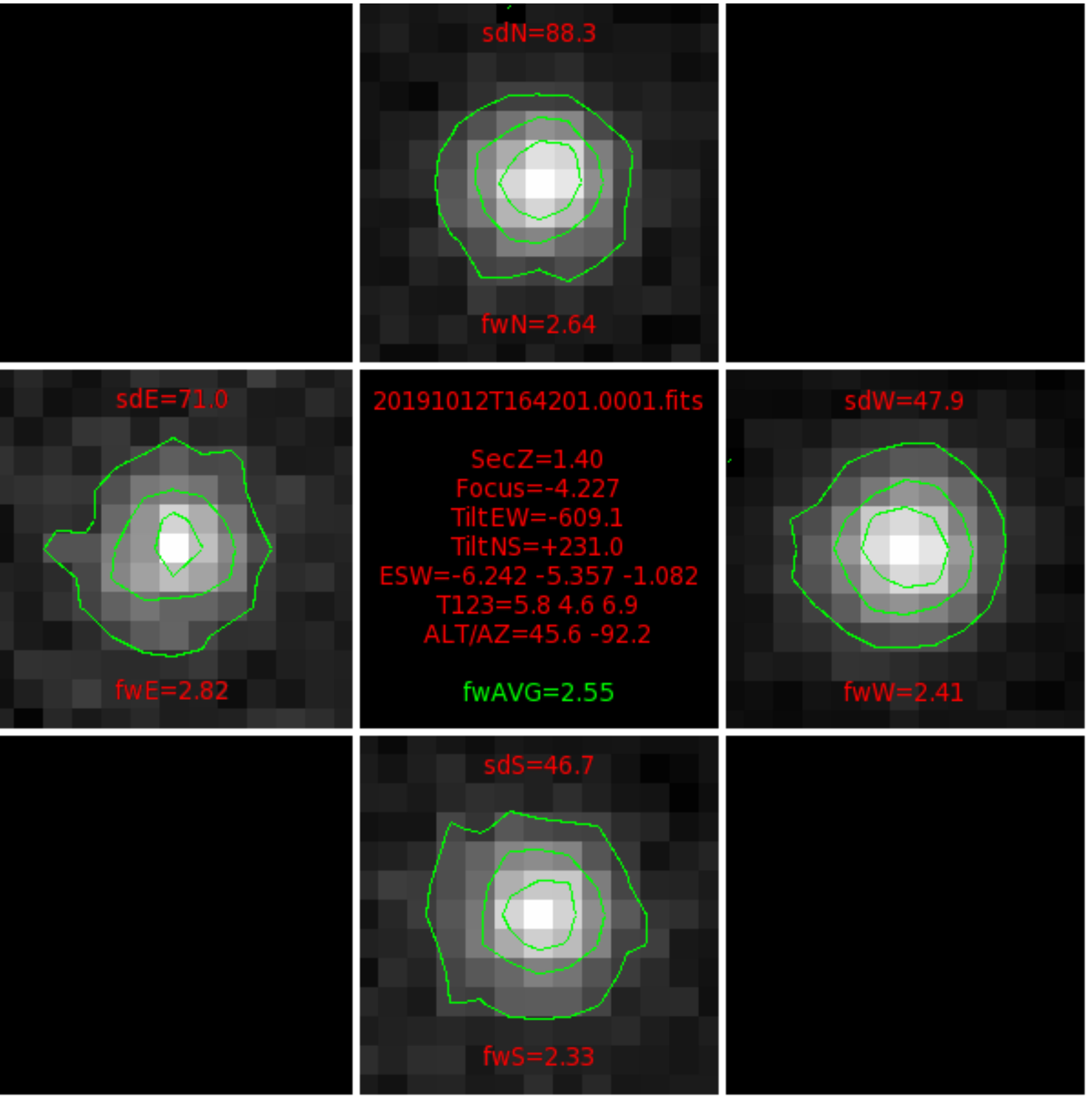
sdN=88.3
fwN=2.64
sdE=71.0
fwE=2.82
20191012T164201.0001.fits
SecZ=1.40
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.6 6.9
ALT/AZ=45.6 -92.2
fwAVG=2.55
sdW=47.9
fwW=2.41
sdS=46.7
fwS=2.33
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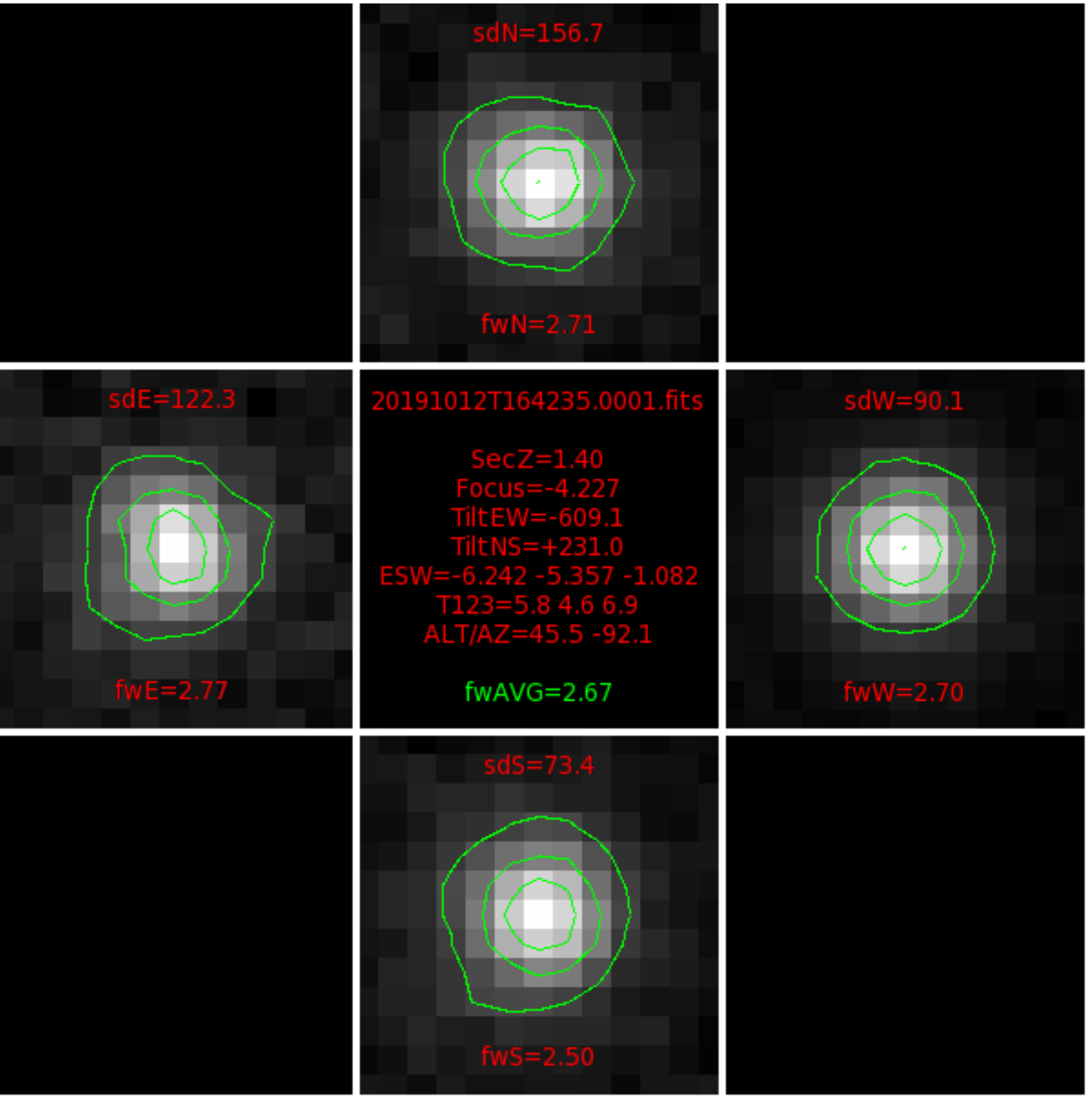
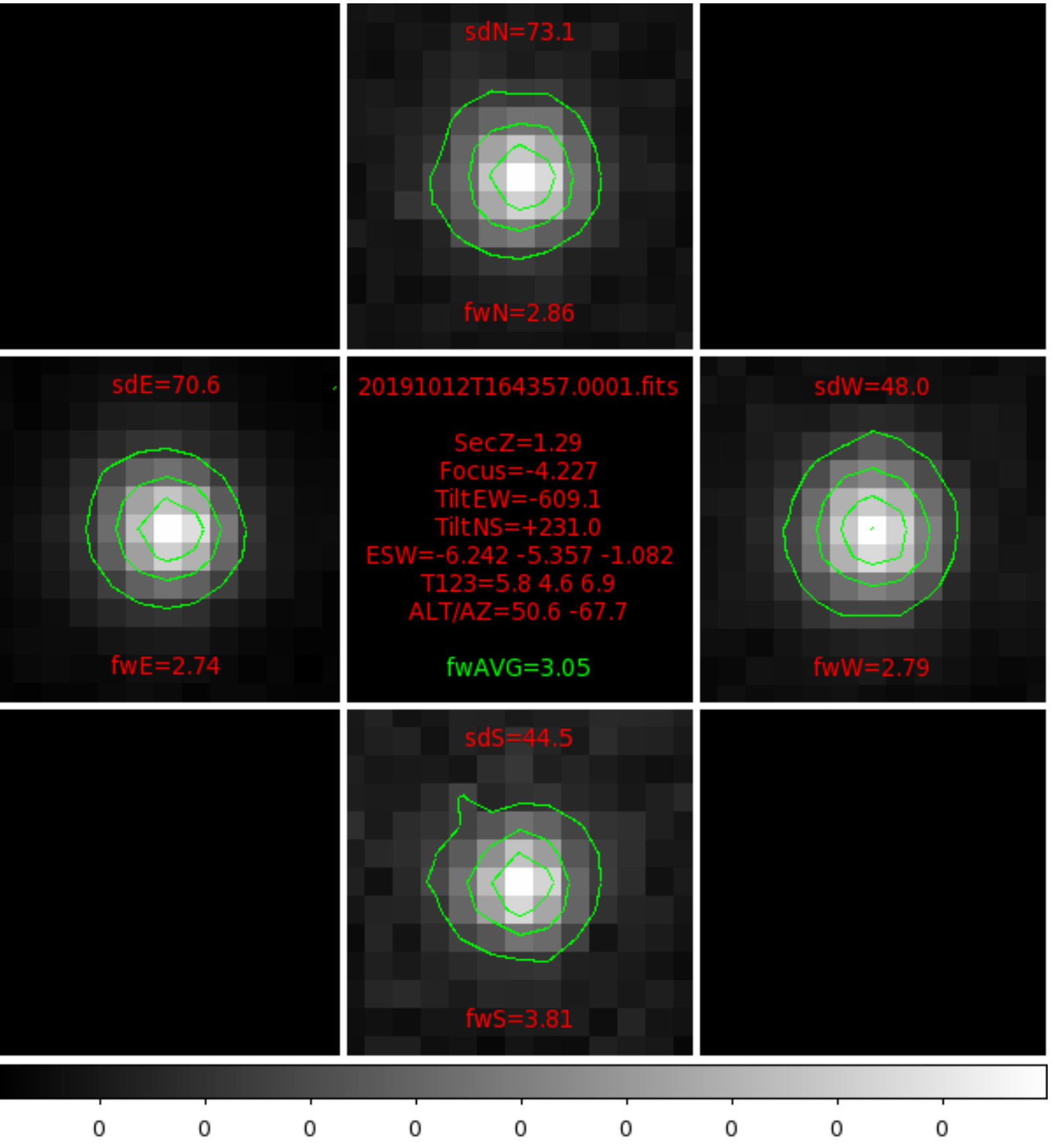

sdN=156.7
fwN=2.71
sdE=122.3
fwE=2.77
20191012T164235.0001.fits
SecZ=1.40
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.6 6.9
ALT/AZ=45.5 -92.1
fwAVG=2.67
sdW=90.1
fwW=2.70
sdS=73.4
fwS=2.50
0 0 0 0 0 0 0 0 0


sdN=73.1
fwN=2.86
sdE=70.6
fwE=2.74
20191012T164357.0001.fits
SecZ=1.29
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.6 6.9
ALT/AZ=50.6 -67.7
fwAVG=3.05
sdW=48.0
fwW=2.79
sdS=44.5
fwS=3.81
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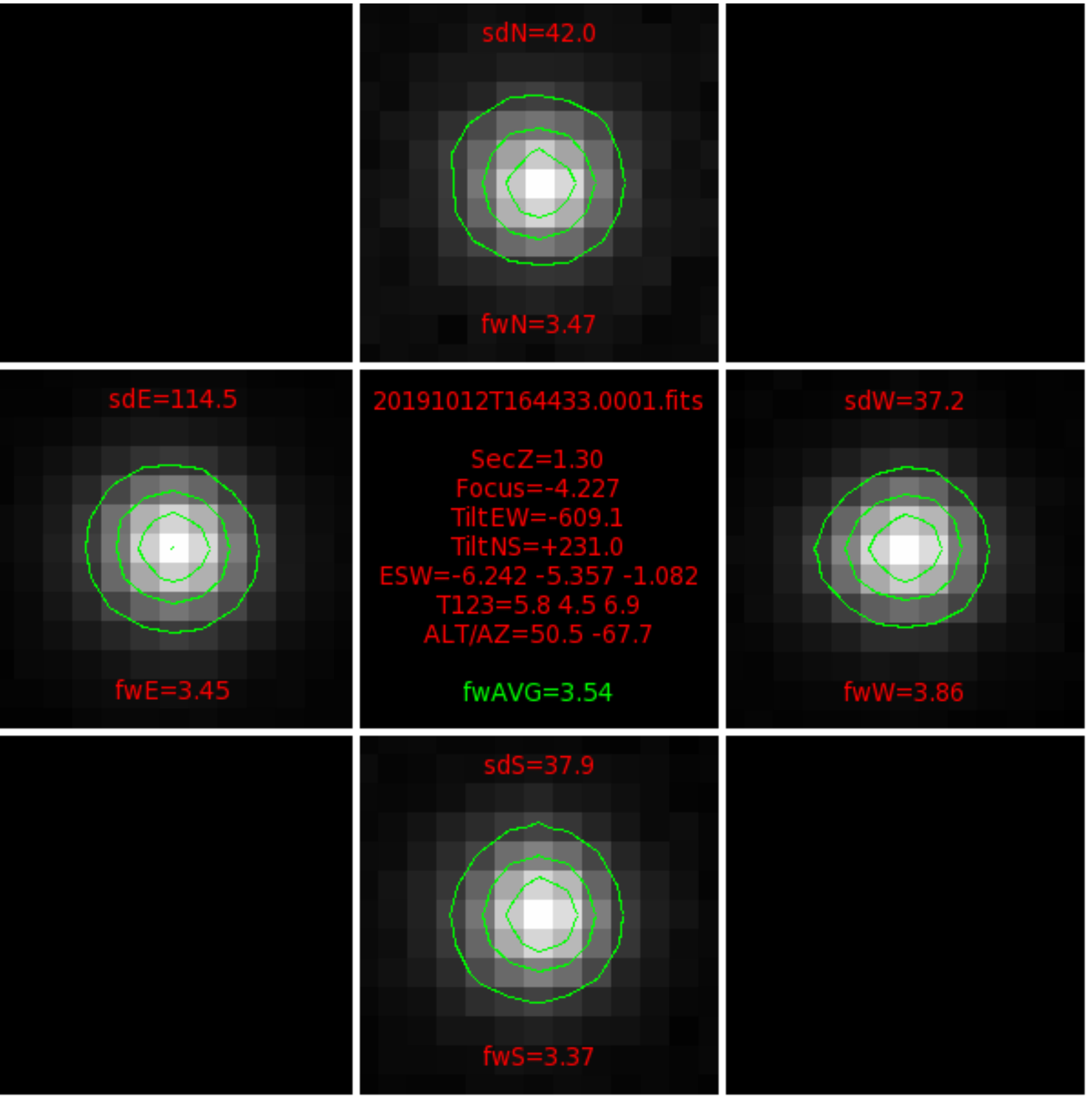
sdN=42.0
fwN=3.47
sdE=114.5
fwE=3.45
20191012T164433.0001.fits
SecZ=1.30
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.5 6.9
ALT/AZ=50.5 -67.7
fwAVG=3.54
sdW=37.2
fwW=3.86
sdS=37.9
fwS=3.37
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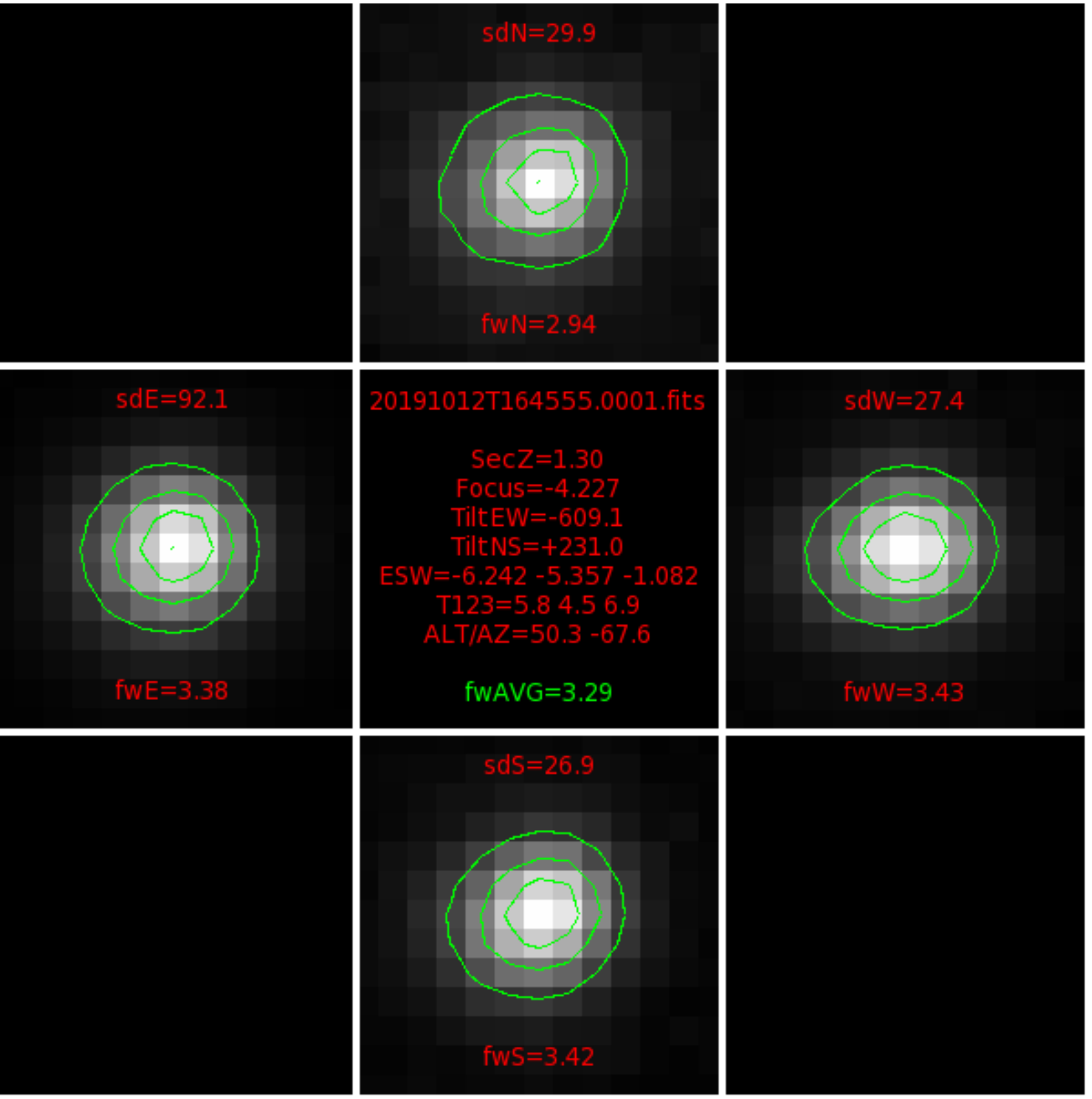
sdN=29.9
fwN=2.94
sdE=92.1
fwE=3.38
20191012T164555.0001.fits
SecZ=1.30
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.5 6.9
ALT/AZ=50.3 -67.6
fwAVG=3.29
sdW=27.4
fwW=3.43
sdS=26.9
fwS=3.42
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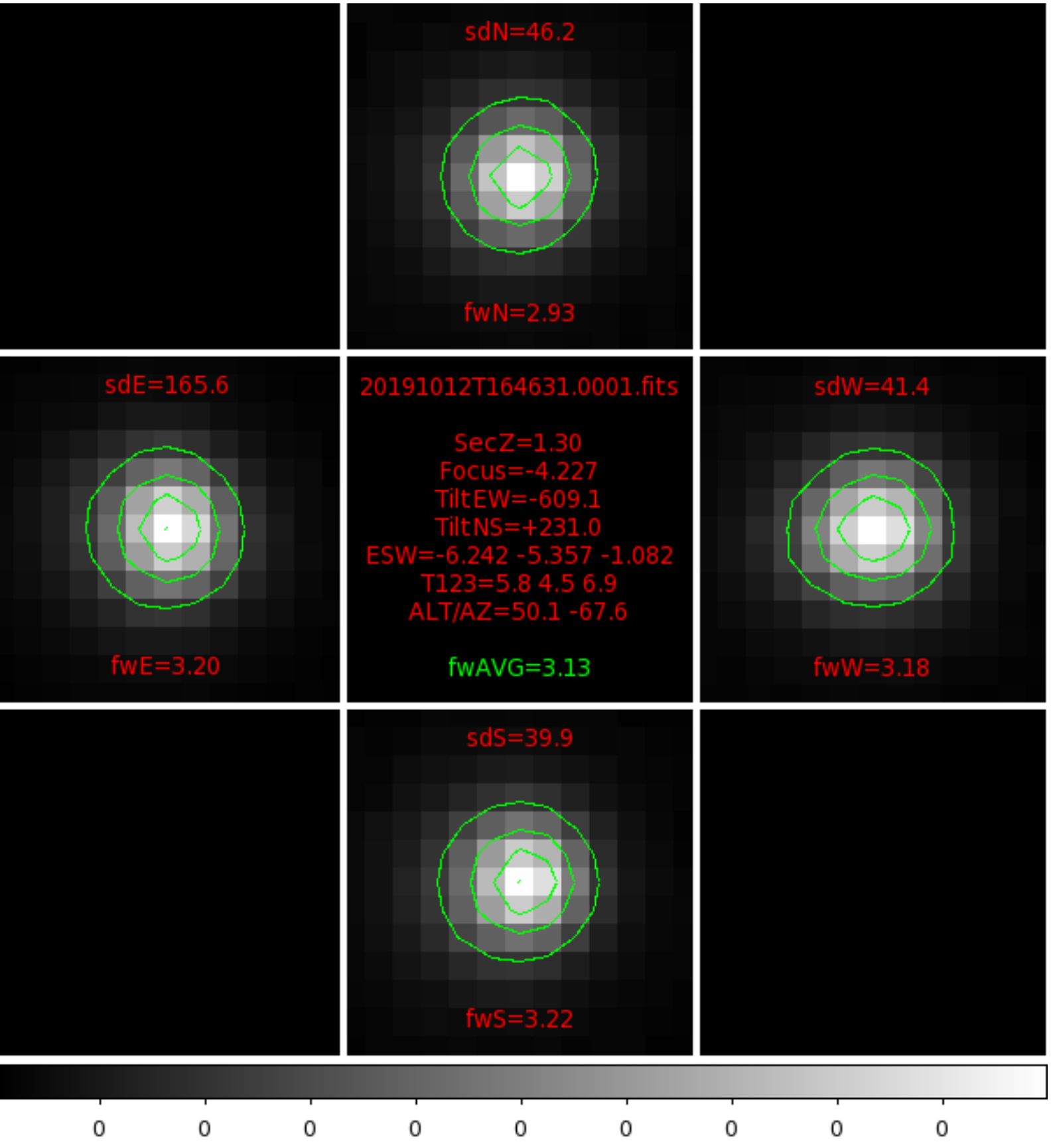
sdN=46.2
fwN=2.93
sdE=165.6
fwE=3.20
20191012T164631.0001.fits
SecZ=1.30
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.5 6.9
ALT/AZ=50.1 -67.6
fwAVG=3.13
sdW=41.4
fwW=3.18
sdS=39.9
fwS=3.22
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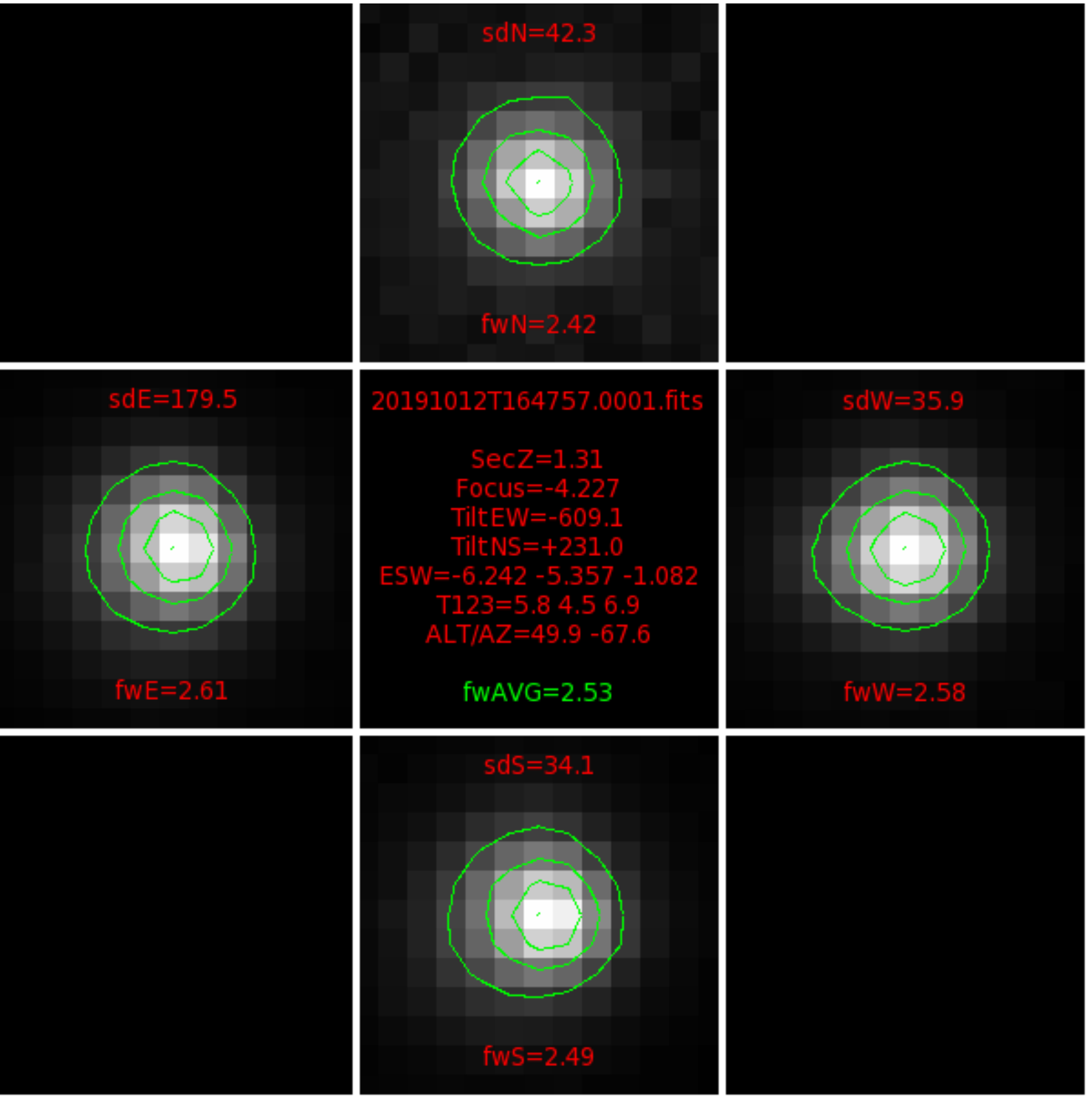
sdN=42.3
fwN=2.42
sdE=179.5
fwE=2.61
20191012T164757.0001.fits
SecZ=1.31
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.5 6.9
ALT/AZ=49.9 -67.6
fwAVG=2.53
sdW=35.9
fwW=2.58
sdS=34.1
fwS=2.49
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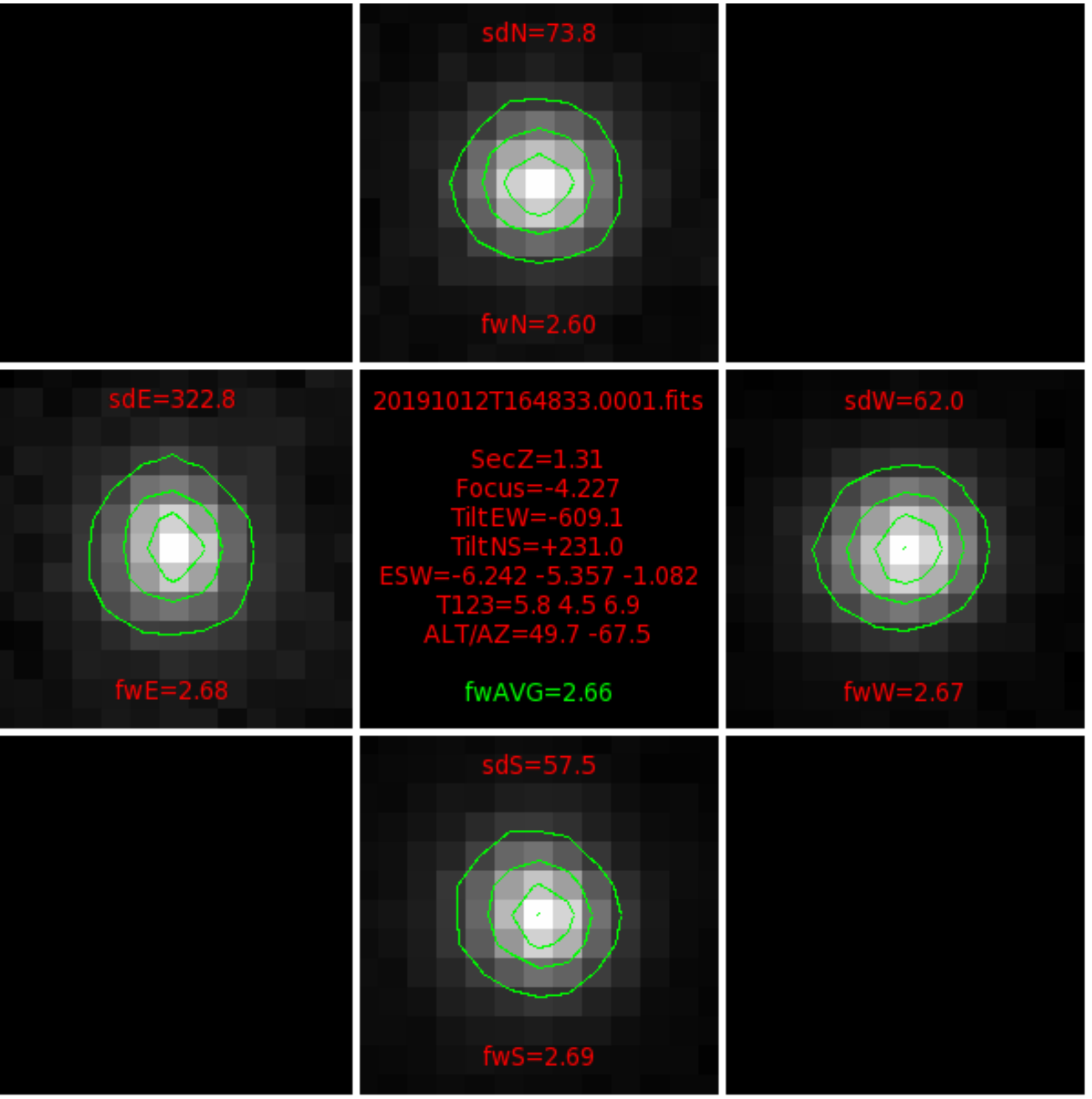
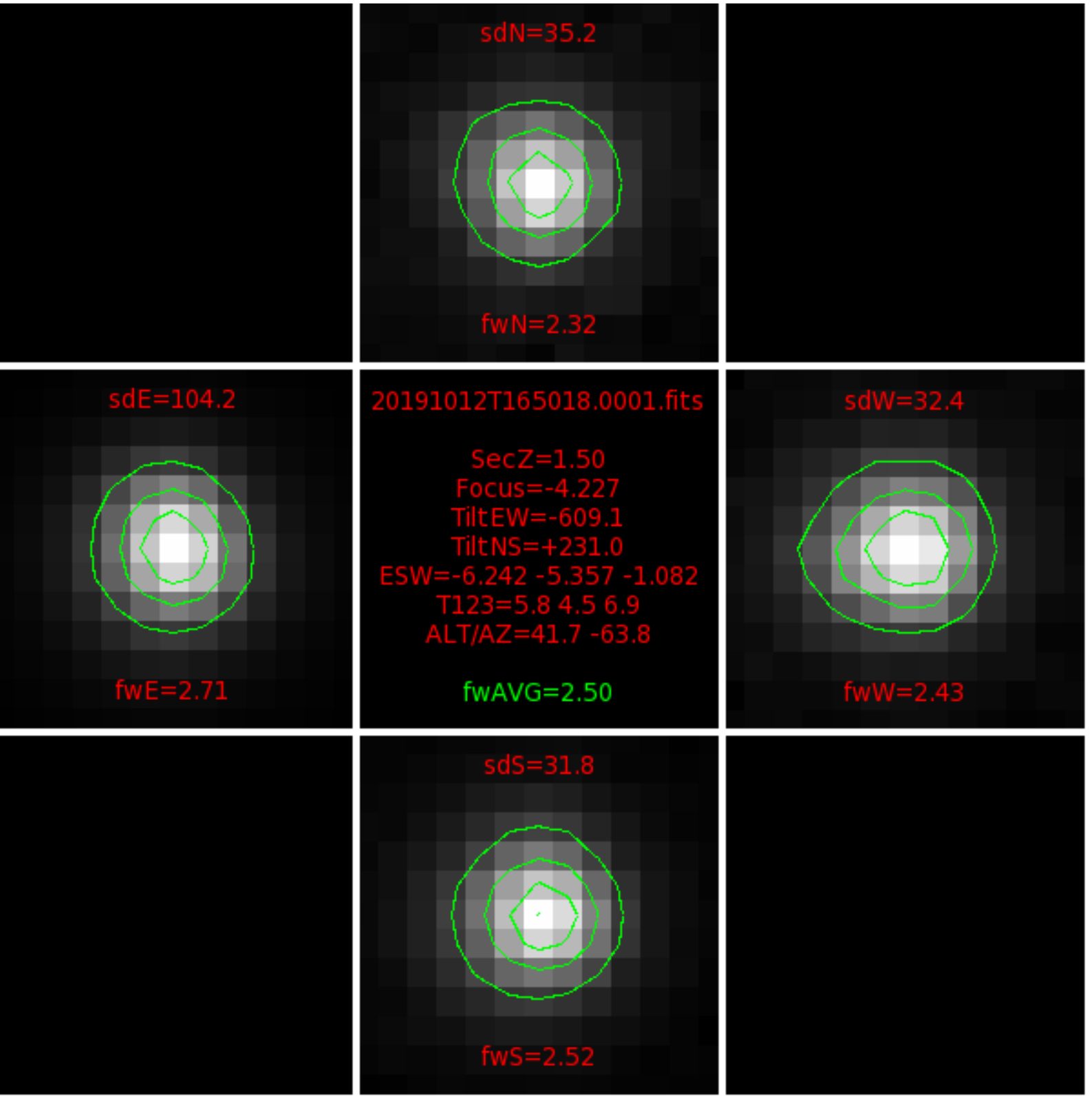

sdN=73.8
fwN=2.60
sdE=322.8
fwE=2.68
20191012T164833.0001.fits
SecZ=1.31
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.5 6.9
ALT/AZ=49.7 -67.5
fwAVG=2.66
sdW=62.0
fwW=2.67
sdS=57.5
fwS=2.69
0 0 0 0 0 0 0 0 0


sdN=35.2
fwN=2.32
sdE=104.2
fwE=2.71
20191012T165018.0001.fits
SecZ=1.50
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.5 6.9
ALT/AZ=41.7 -63.8
fwAVG=2.50
sdW=32.4
fwW=2.43
sdS=31.8
fwS=2.52
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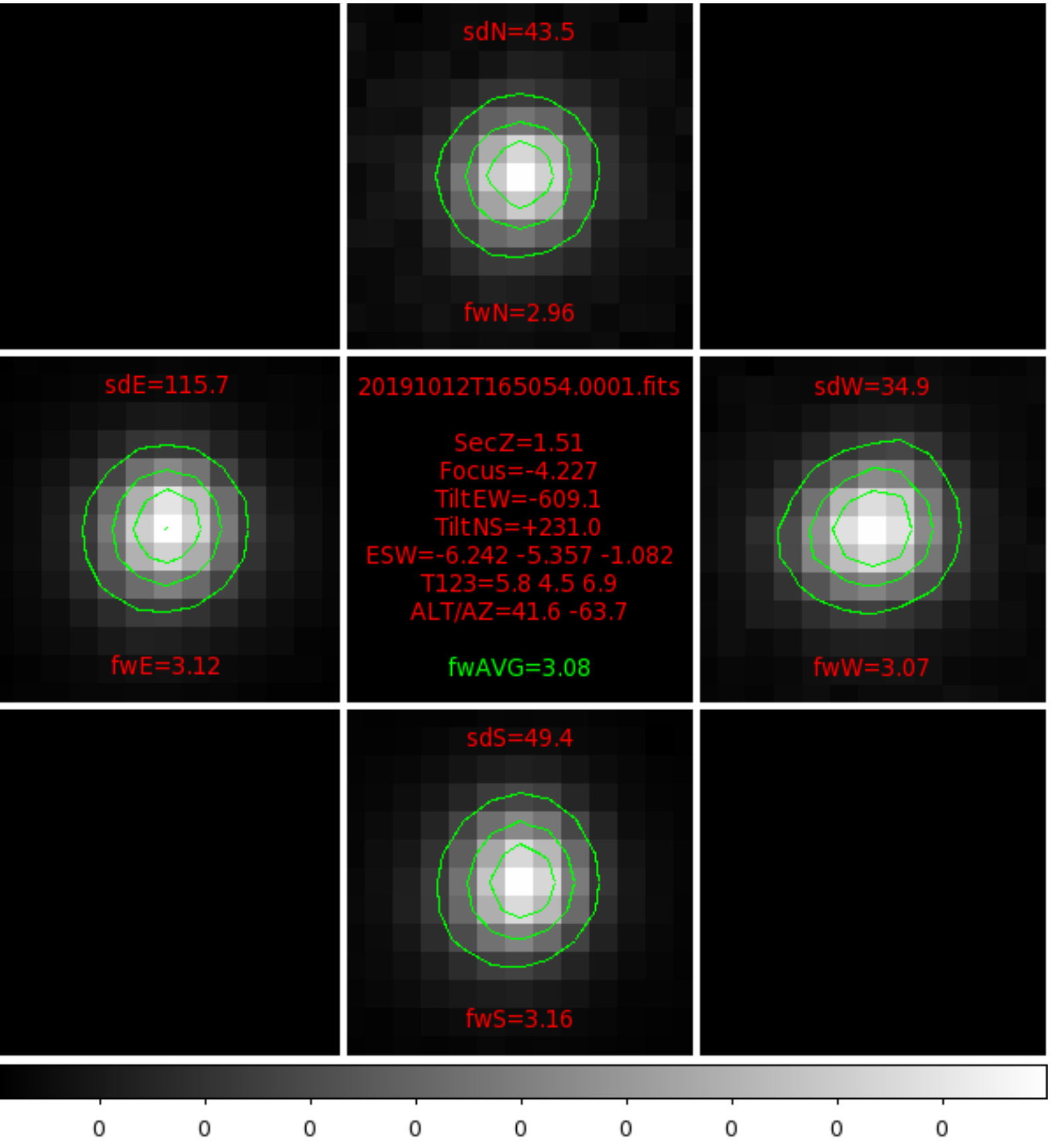
sdN=43.5
fwN=2.96
sdE=115.7
fwE=3.12
20191012T165054.0001.fits
SecZ=1.51
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.5 6.9
ALT/AZ=41.6 -63.7
fwAVG=3.08
sdW=34.9
fwW=3.07
sdS=49.4
fwS=3.16
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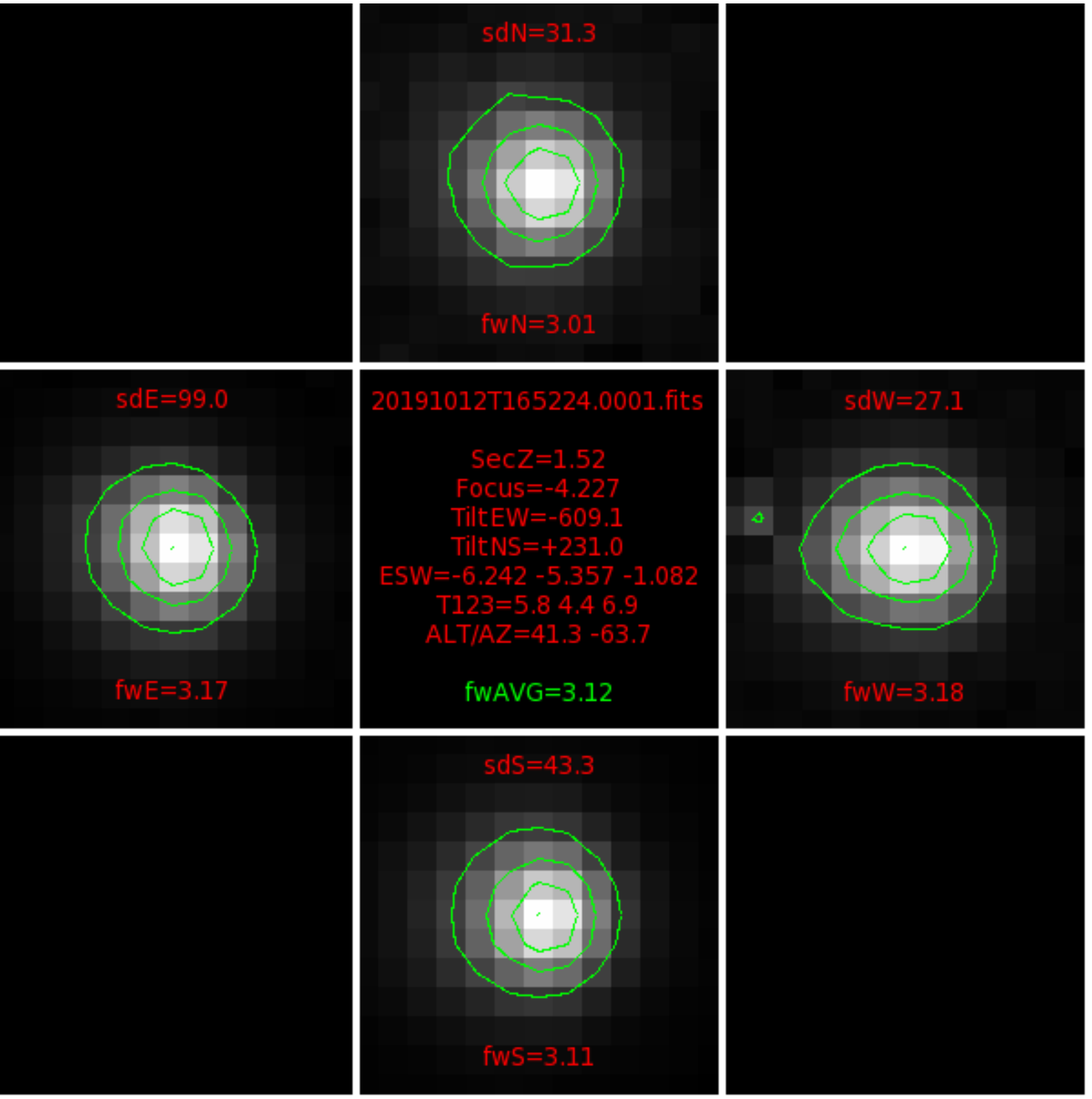
sdN=31.3
fwN=3.01
sdE=99.0
fwE=3.17
20191012T165224.0001.fits
SecZ=1.52
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.4 6.9
ALT/AZ=41.3 -63.7
fwAVG=3.12
sdW=27.1
fwW=3.18
sdS=43.3
fwS=3.11
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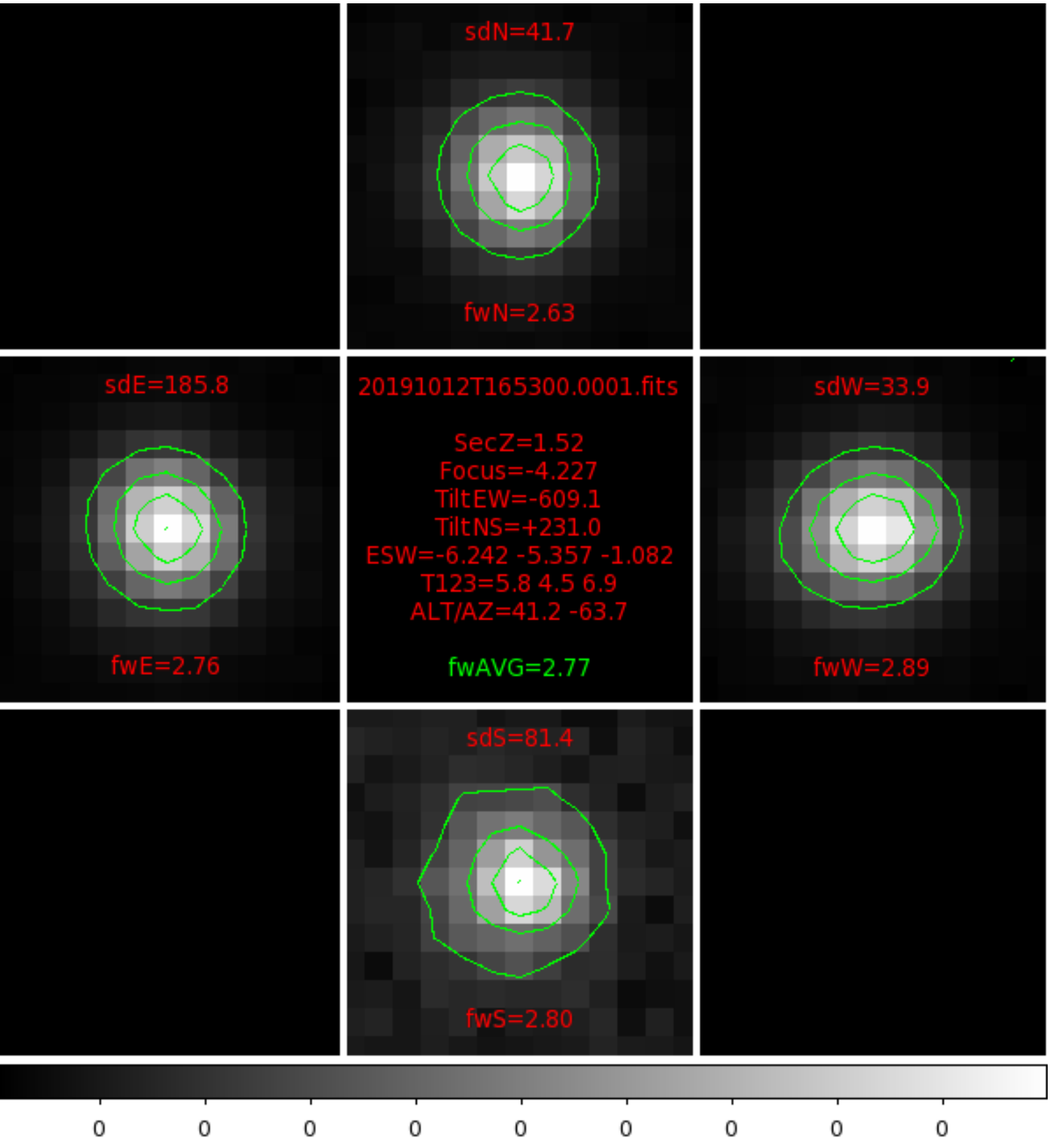
sdN=41.7
fwN=2.63
sdE=185.8
fwE=2.76
20191012T165300.0001.fits
SecZ=1.52
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.5 6.9
ALT/AZ=41.2 -63.7
fwAVG=2.77
sdW=33.9
fwW=2.89
sdS=81.4
fwS=2.80
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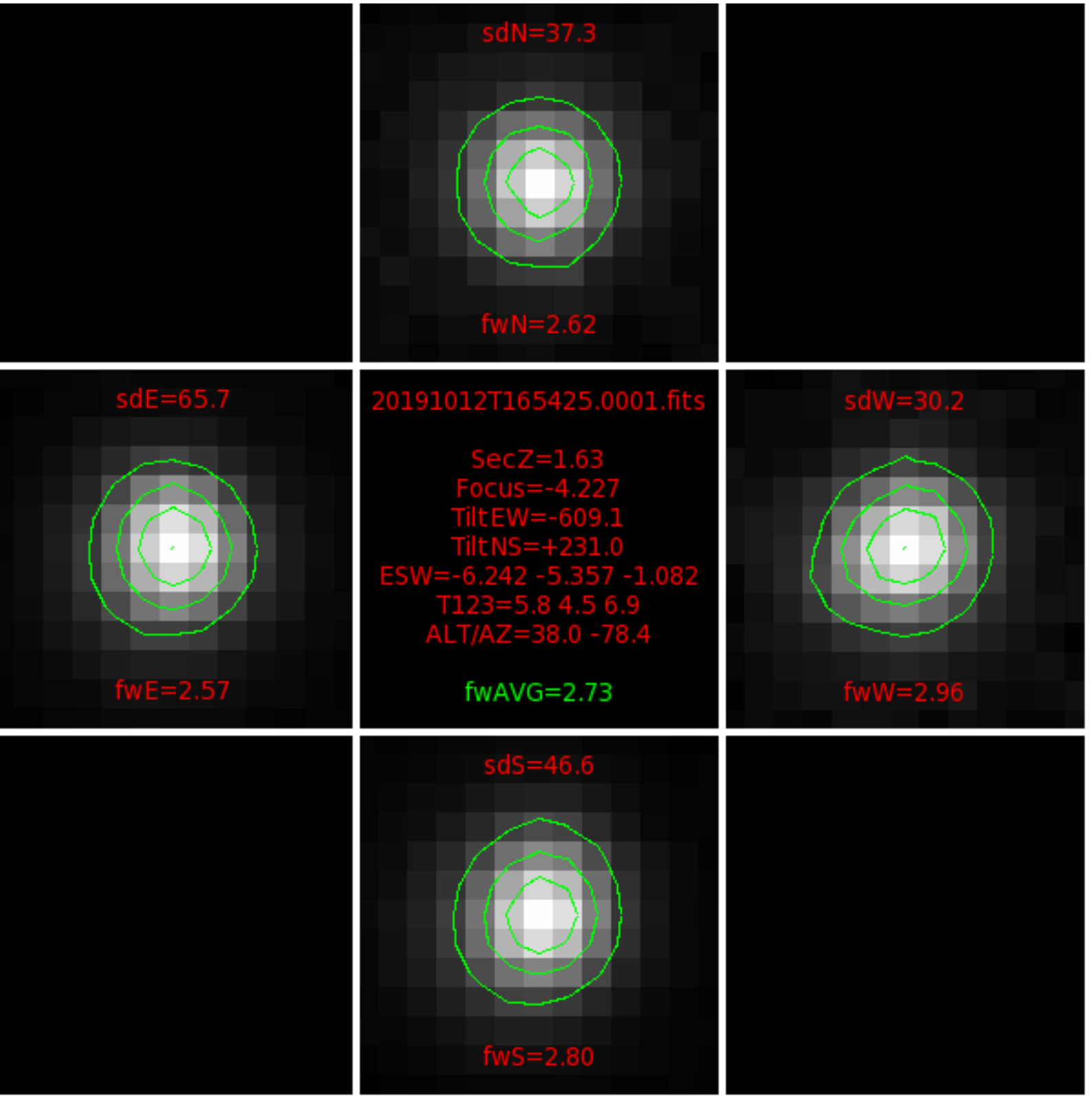
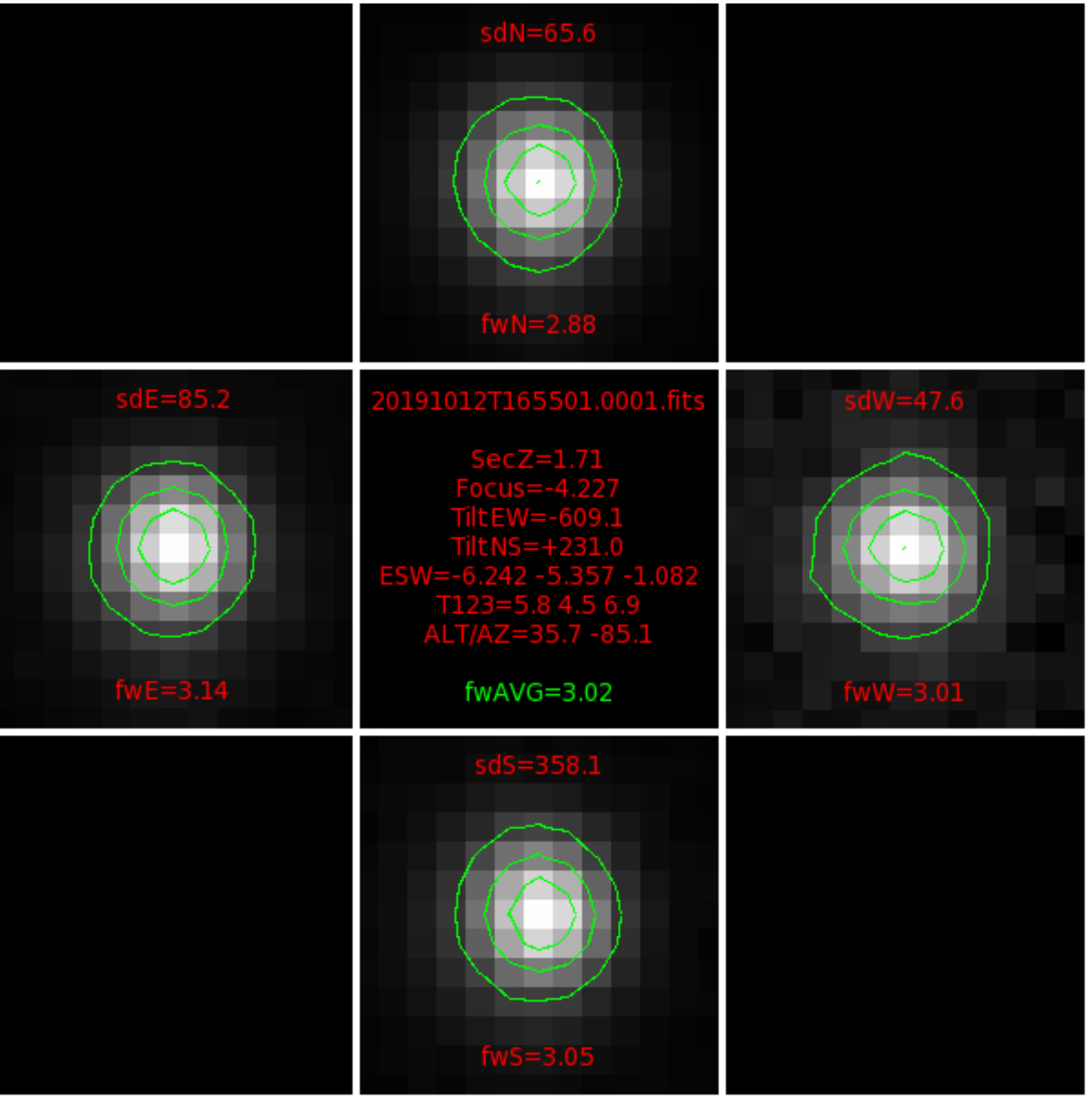

sdN=37.3
fwN=2.62
sdE=65.7
fwE=2.57
20191012T165425.0001.fits
SecZ=1.63
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.5 6.9
ALT/AZ=38.0 -78.4
fwAVG=2.73
sdW=30.2
fwW=2.96
sdS=46.6
fwS=2.80
0 0 0 0 0 0 0 0 0


sdN=65.6
fwN=2.88
sdE=85.2
fwE=3.14
20191012T165501.0001.fits
SecZ=1.71
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.5 6.9
ALT/AZ=35.7 -85.1
fwAVG=3.02
sdW=47.6
fwW=3.01
sdS=358.1
fwS=3.05
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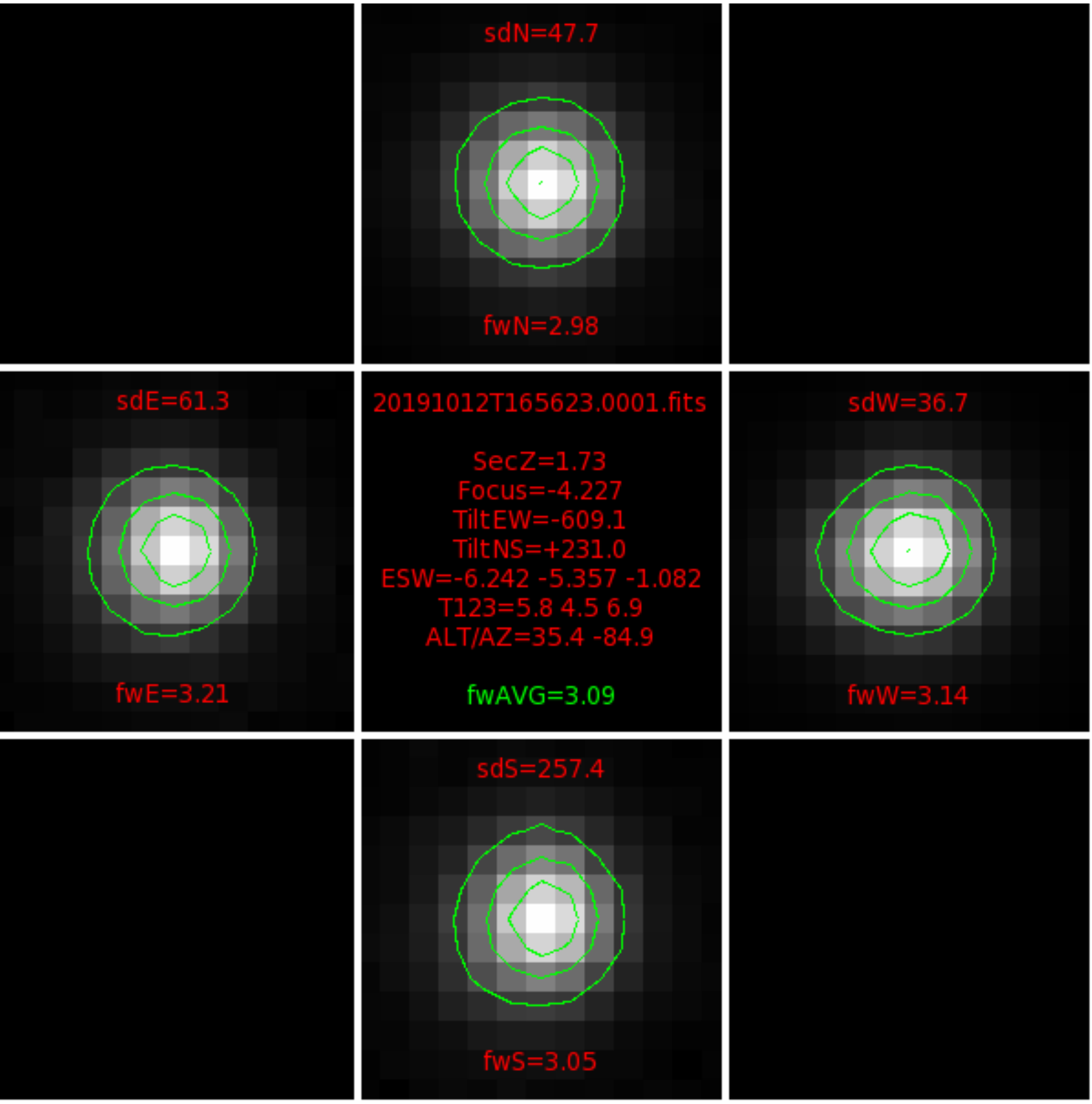
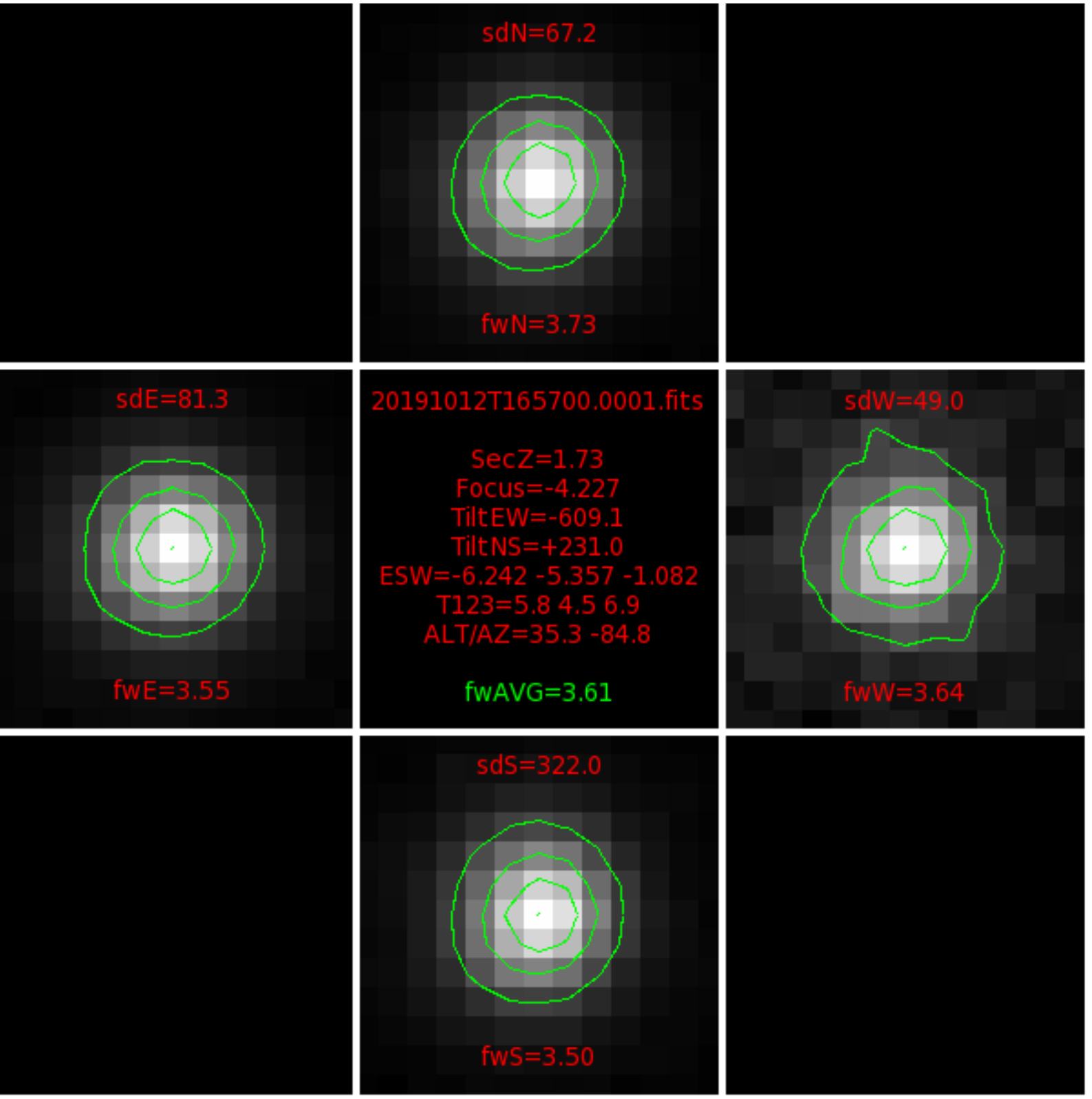
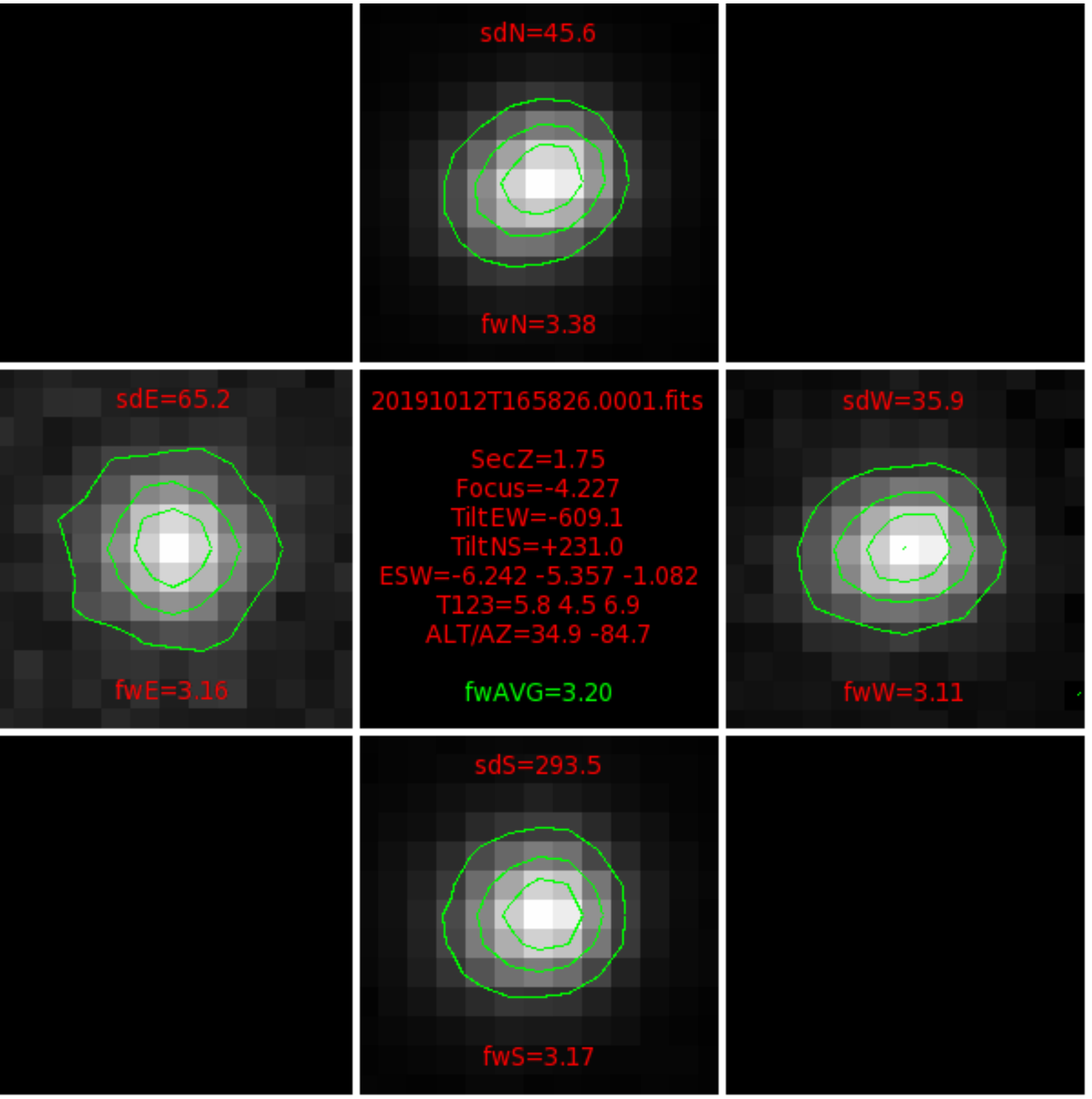
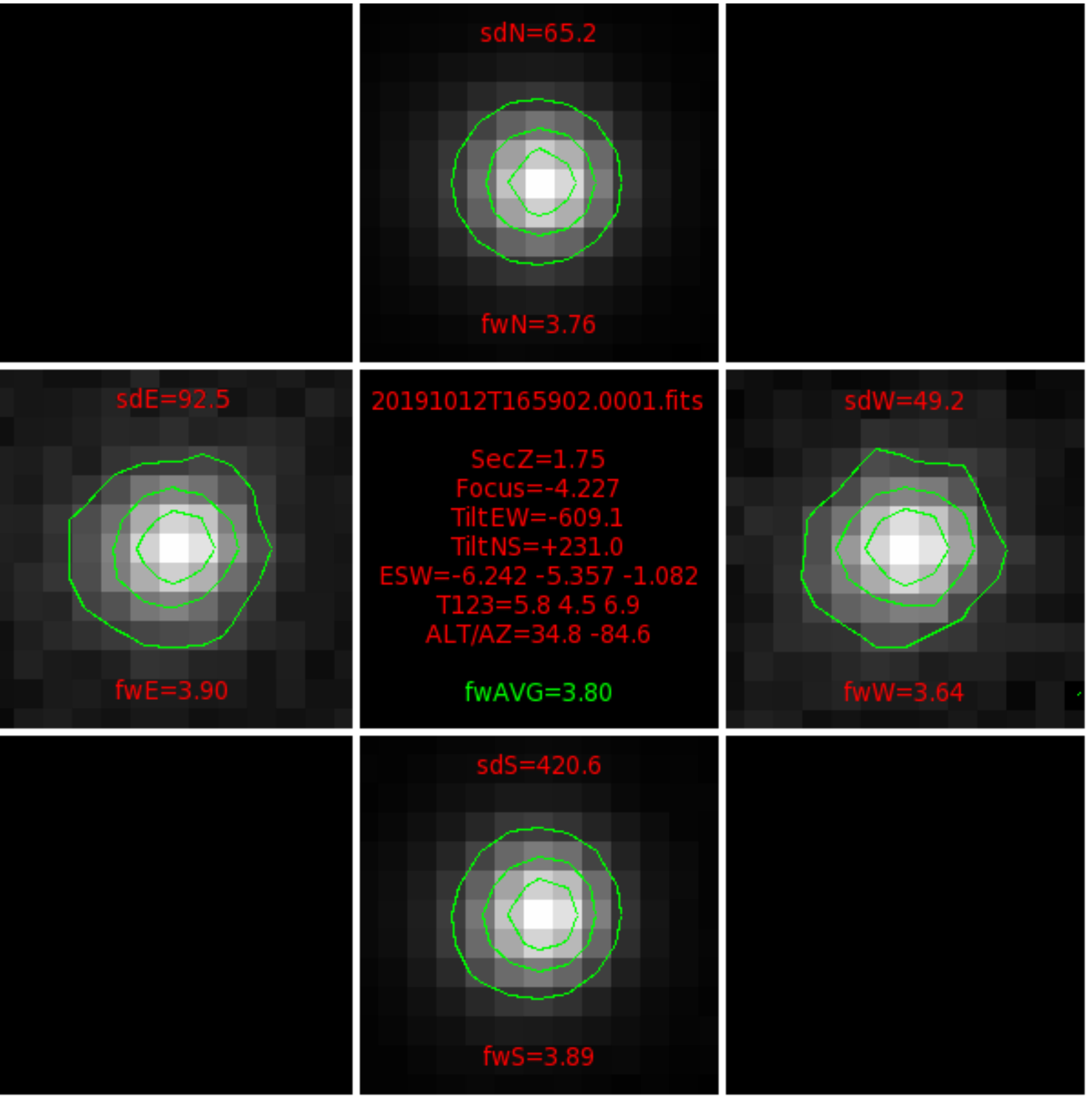
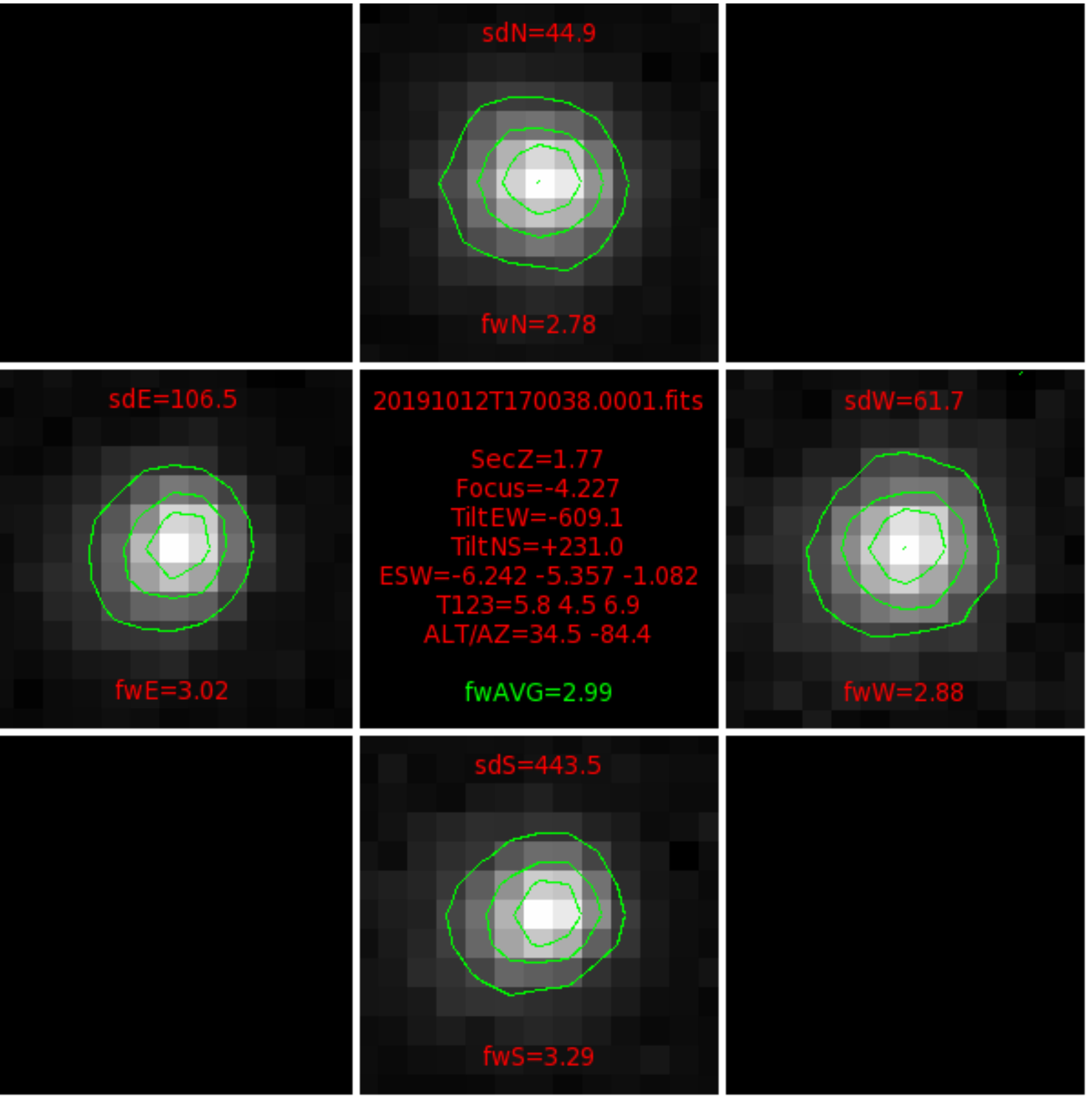

sdN=47.7
fwN=2.98
sdE=61.3
fwE=3.21
20191012T165623.0001.fits
SecZ=1.73
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.5 6.9
ALT/AZ=35.4 -84.9
fwAVG=3.09
sdW=36.7
fwW=3.14
sdS=257.4
fwS=3.05
0 0 0 0 0 0 0 0 0


sdN=67.2
fwN=3.73
sdE=81.3
fwE=3.55
20191012T165700.0001.fits
SecZ=1.73
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.5 6.9
ALT/AZ=35.3 -84.8
fwAVG=3.61
sdW=49.0
fwW=3.64
sdS=322.0
fwS=3.50
0 0 0 0 0 0 0 0 0


sdN=45.6
fwN=3.38
sdE=65.2
fwE=3.16
20191012T165826.0001.fits
SecZ=1.75
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.5 6.9
ALT/AZ=34.9 -84.7
fwAVG=3.20
sdW=35.9
fwW=3.11
sdS=293.5
fwS=3.17
0 0 0 0 0 0 0 0 0


sdN=65.2
fwN=3.76
sdE=92.5
fwE=3.90
20191012T165902.0001.fits
SecZ=1.75
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.5 6.9
ALT/AZ=34.8 -84.6
fwAVG=3.80
sdW=49.2
fwW=3.64
sdS=420.6
fwS=3.89
0 0 0 0 0 0 0 0 0


sdN=44.9
fwN=2.78
sdE=106.5
fwE=3.02
20191012T170038.0001.fits
SecZ=1.77
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.5 6.9
ALT/AZ=34.5 -84.4
fwAVG=2.99
sdW=61.7
fwW=2.88
sdS=443.5
fwS=3.29
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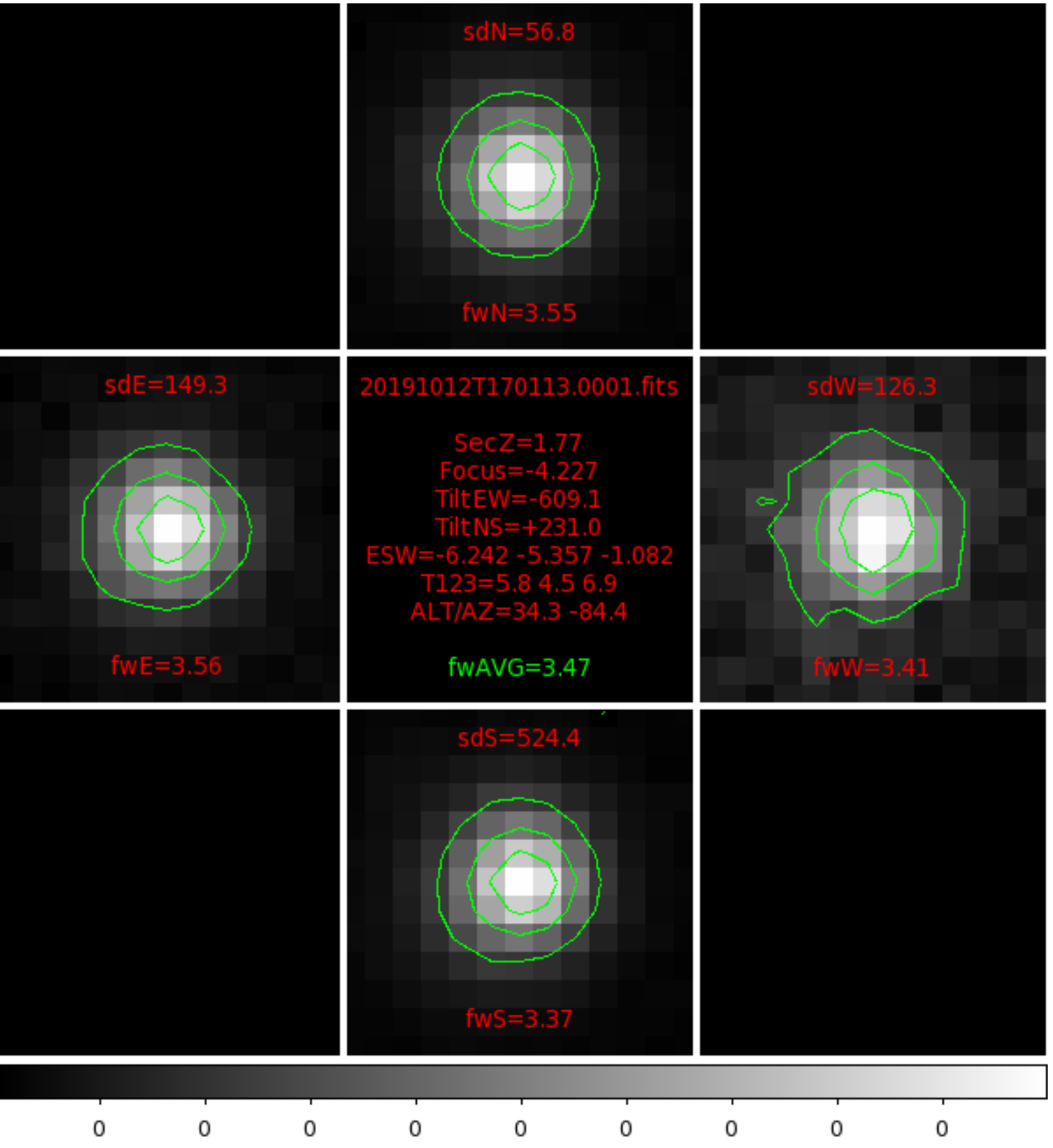
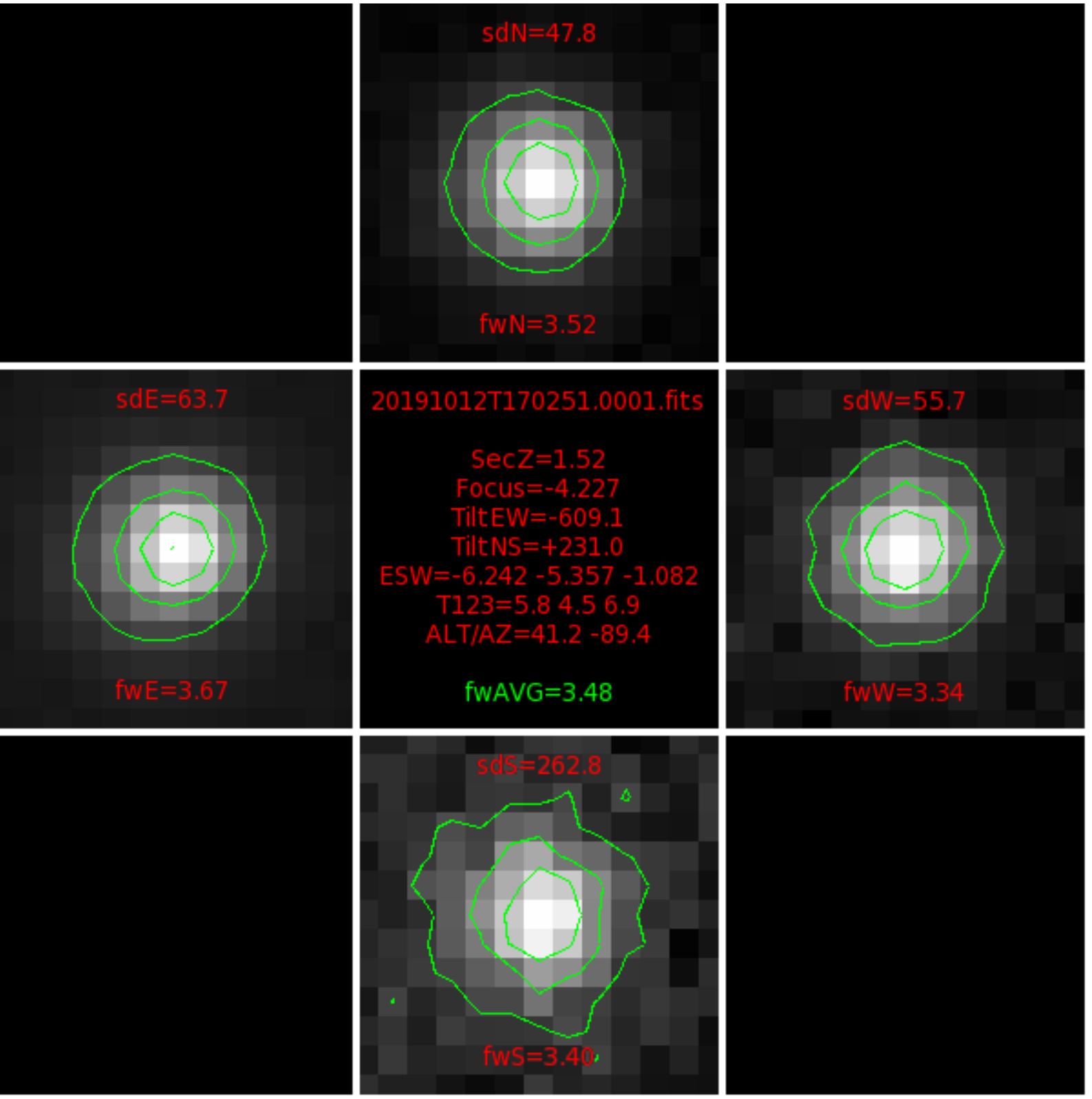

sdN=56.8
fwN=3.55
sdE=149.3
fwE=3.56
20191012T170113.0001.fits
SecZ=1.77
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.5 6.9
ALT/AZ=34.3 -84.4
fwAVG=3.47
sdW=126.3
fwW=3.41
sdS=524.4
fwS=3.37
0 0 0 0 0 0 0 0 0


sdN=47.8
fwN=3.52
sdE=63.7
fwE=3.67
20191012T170251.0001.fits
SecZ=1.52
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.5 6.9
ALT/AZ=41.2 -89.4
fwAVG=3.48
sdW=55.7
fwW=3.34
sdS=262.8
fwS=3.40
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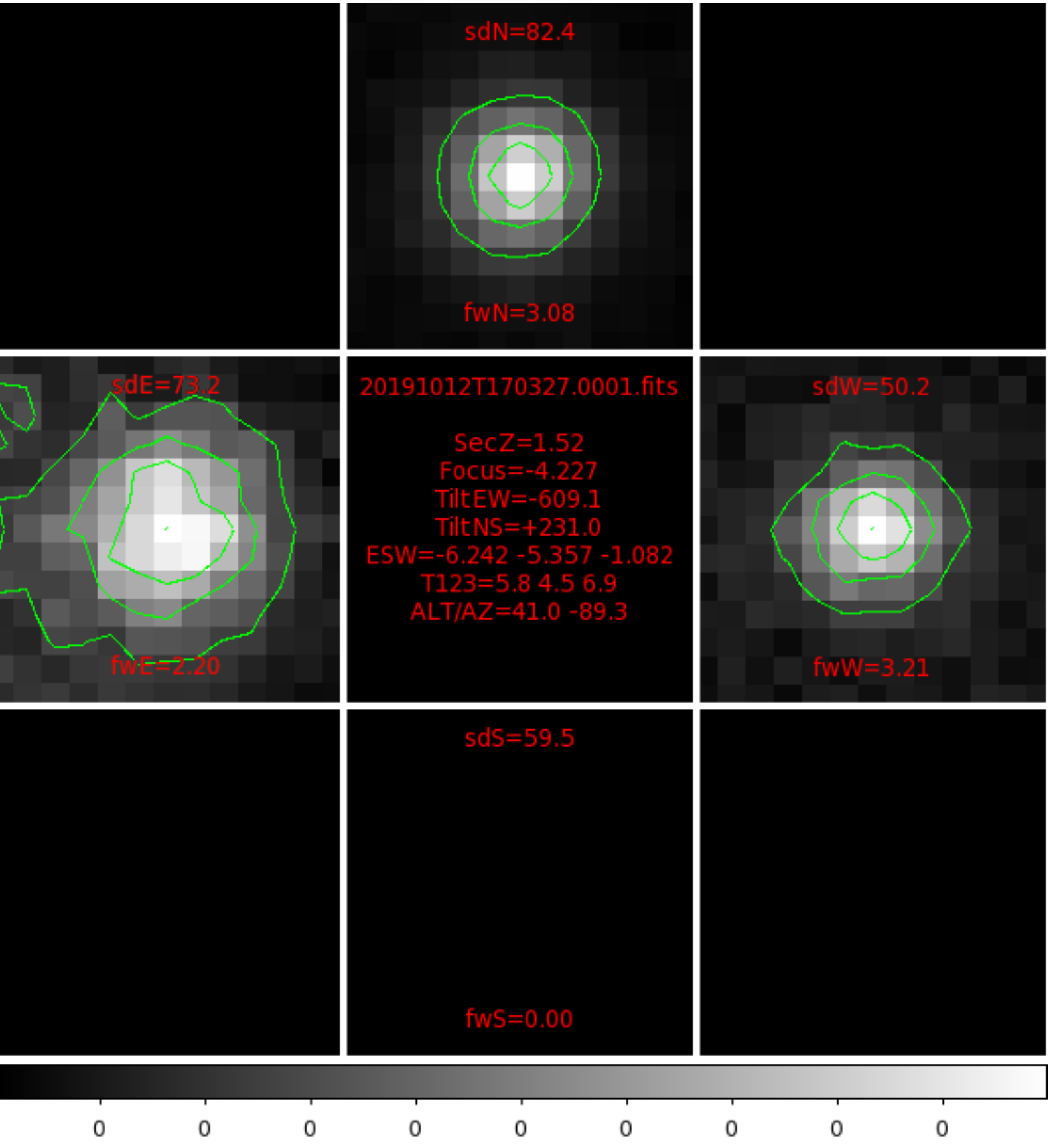
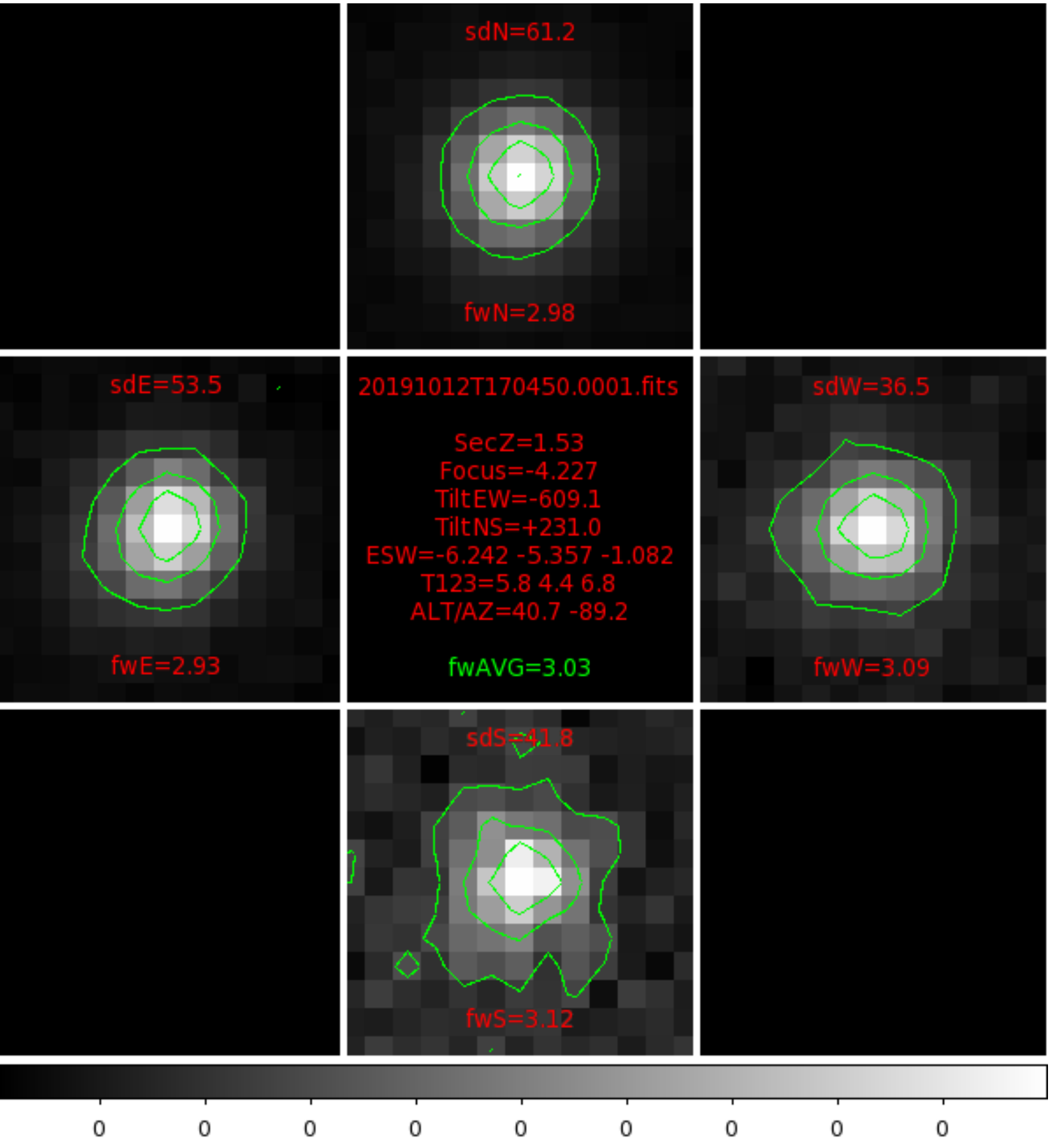

sdN=82.4
fwN=3.08
sdE=73.2
fwE=2.20
20191012T170327.0001.fits
SecZ=1.52
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.5 6.9
ALT/AZ=41.0 -89.3
sdW=50.2
fwW=3.21
sdS=59.5
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=61.2
fwN=2.98
sdE=53.5
fwE=2.93
20191012T170450.0001.fits
SecZ=1.53
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.4 6.8
ALT/AZ=40.7 -89.2
fwAVG=3.03
sdW=36.5
fwW=3.09
sdS=41.8
fwS=3.12
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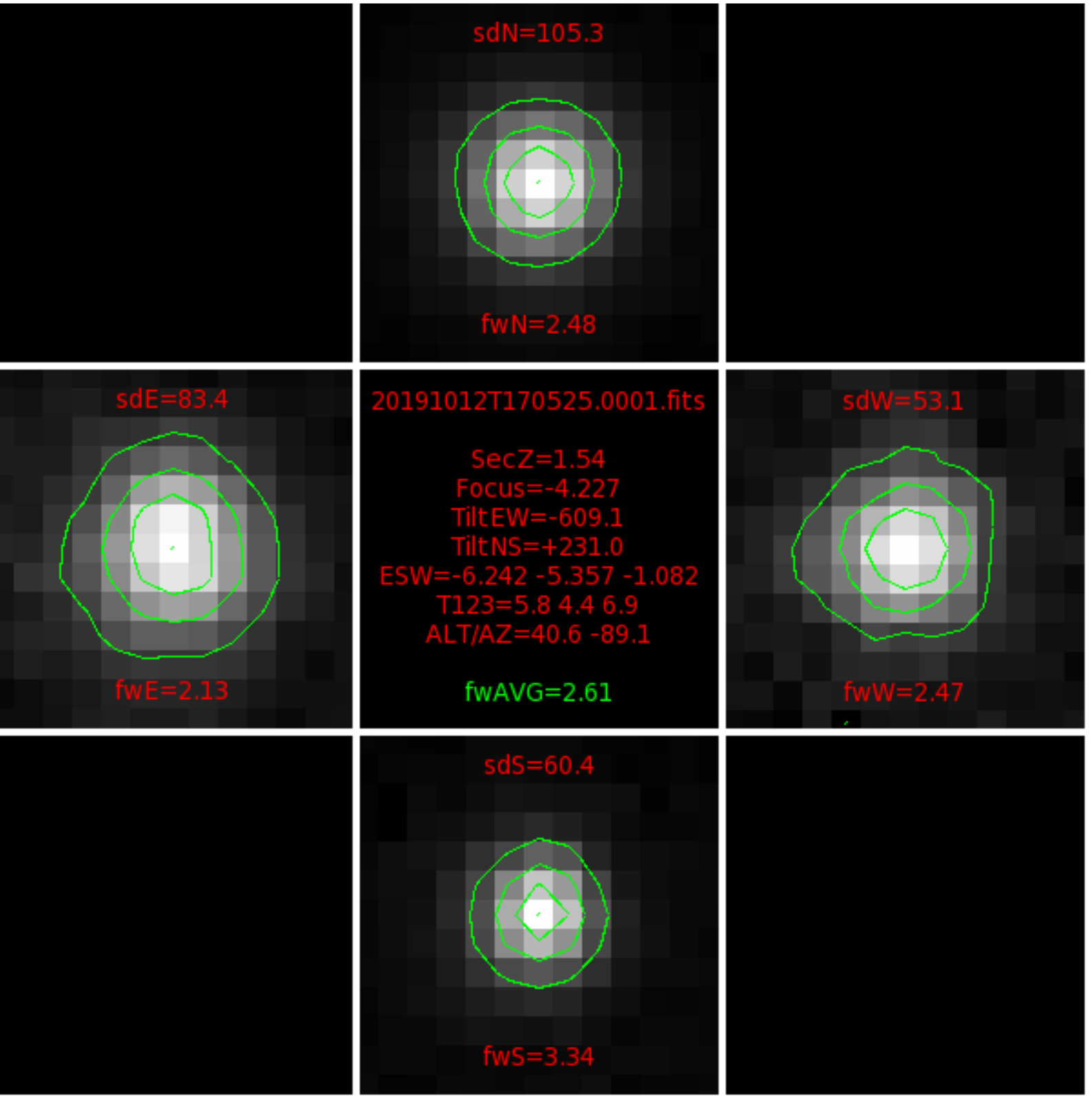
sdN=105.3
fwN=2.48
sdE=83.4
fwE=2.13
20191012T170525.0001.fits
SecZ=1.54
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.8 4.4 6.9
ALT/AZ=40.6 -89.1
fwAVG=2.61
sdW=53.1
fwW=2.47
sdS=60.4
fwS=3.34
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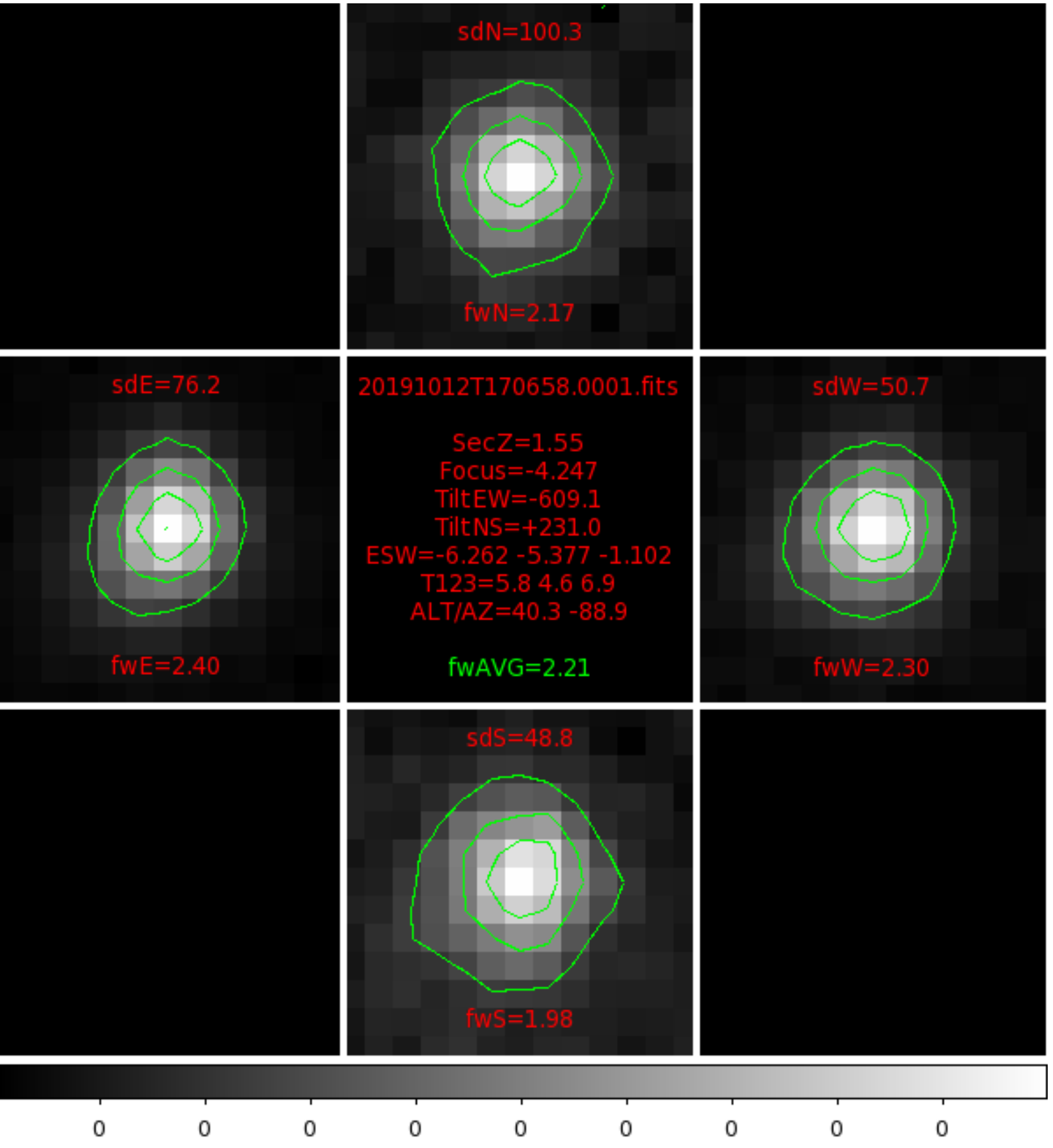
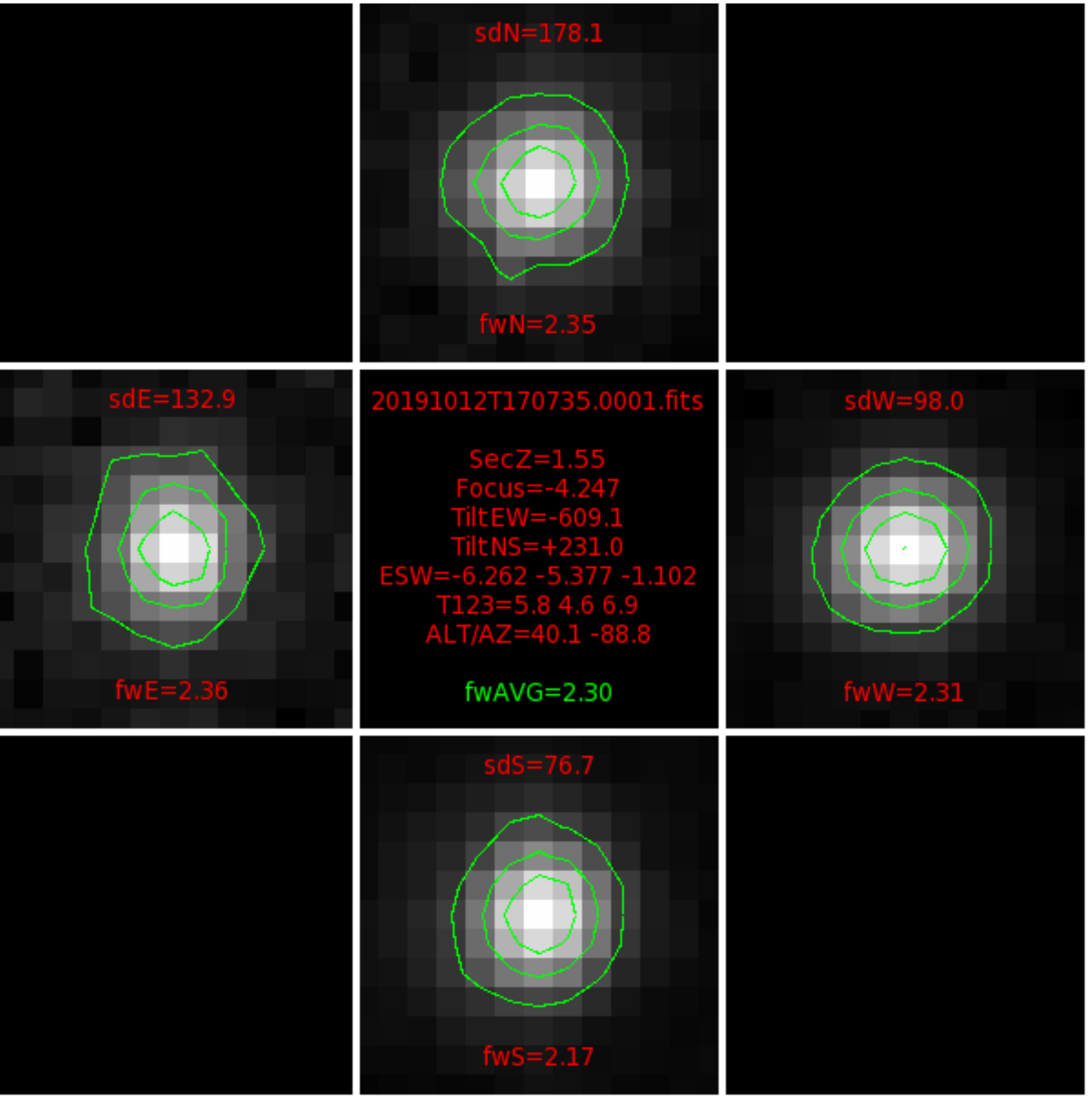

sdN=100.3
fwN=2.17
sdE=76.2
fwE=2.40
20191012T170658.0001.fits
SecZ=1.55
Focus=-4.247
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.262 -5.377 -1.102
T123=5.8 4.6 6.9
ALT/AZ=40.3 -88.9
fwAVG=2.21
sdW=50.7
fwW=2.30
sdS=48.8
fwS=1.98
0 0 0 0 0 0 0 0 0


sdN=178.1
fwN=2.35
sdE=132.9
fwE=2.36
20191012T170735.0001.fits
SecZ=1.55
Focus=-4.247
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.262 -5.377 -1.102
T123=5.8 4.6 6.9
ALT/AZ=40.1 -88.8
fwAVG=2.30
sdW=98.0
fwW=2.31
sdS=76.7
fwS=2.17
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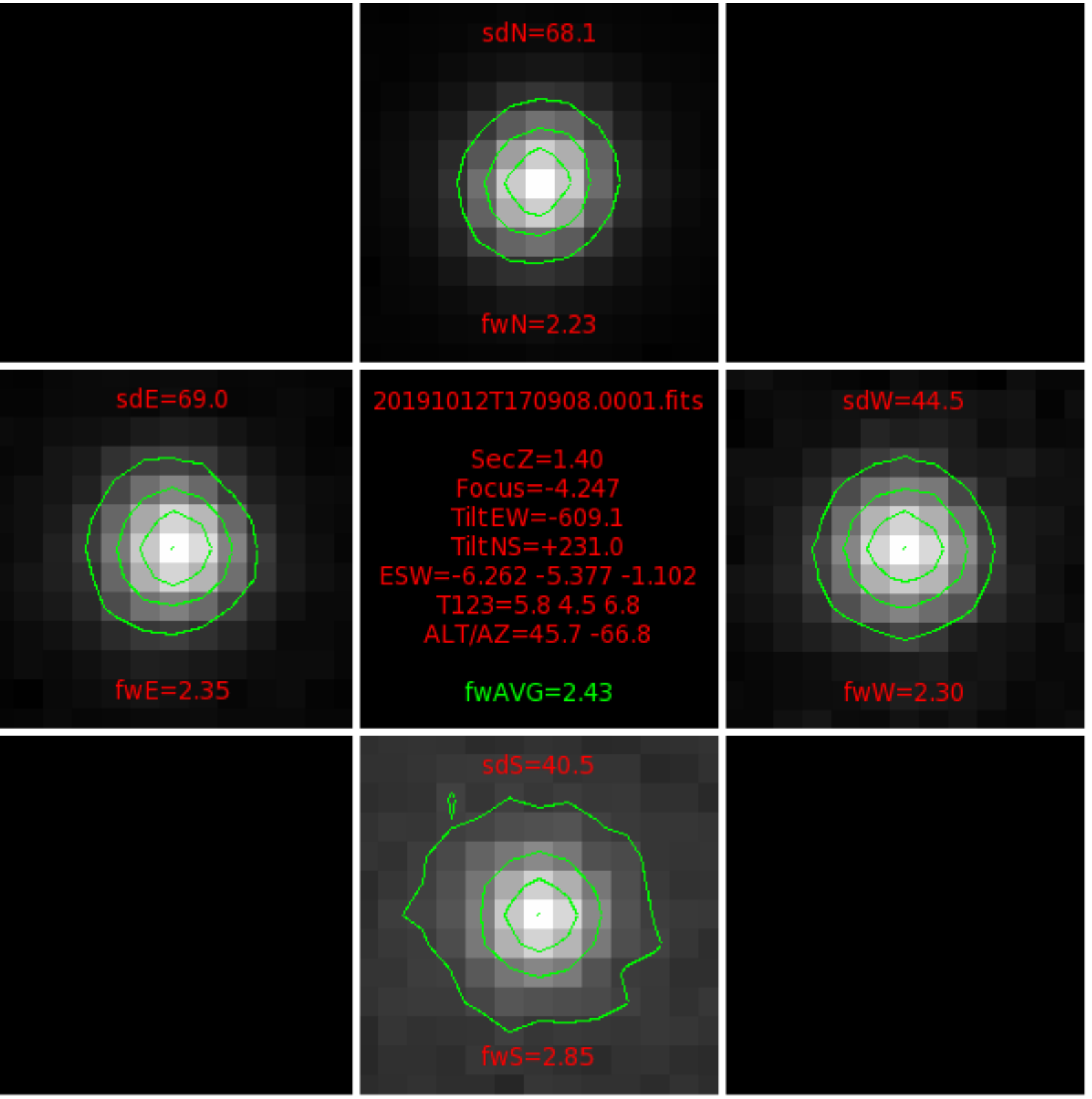
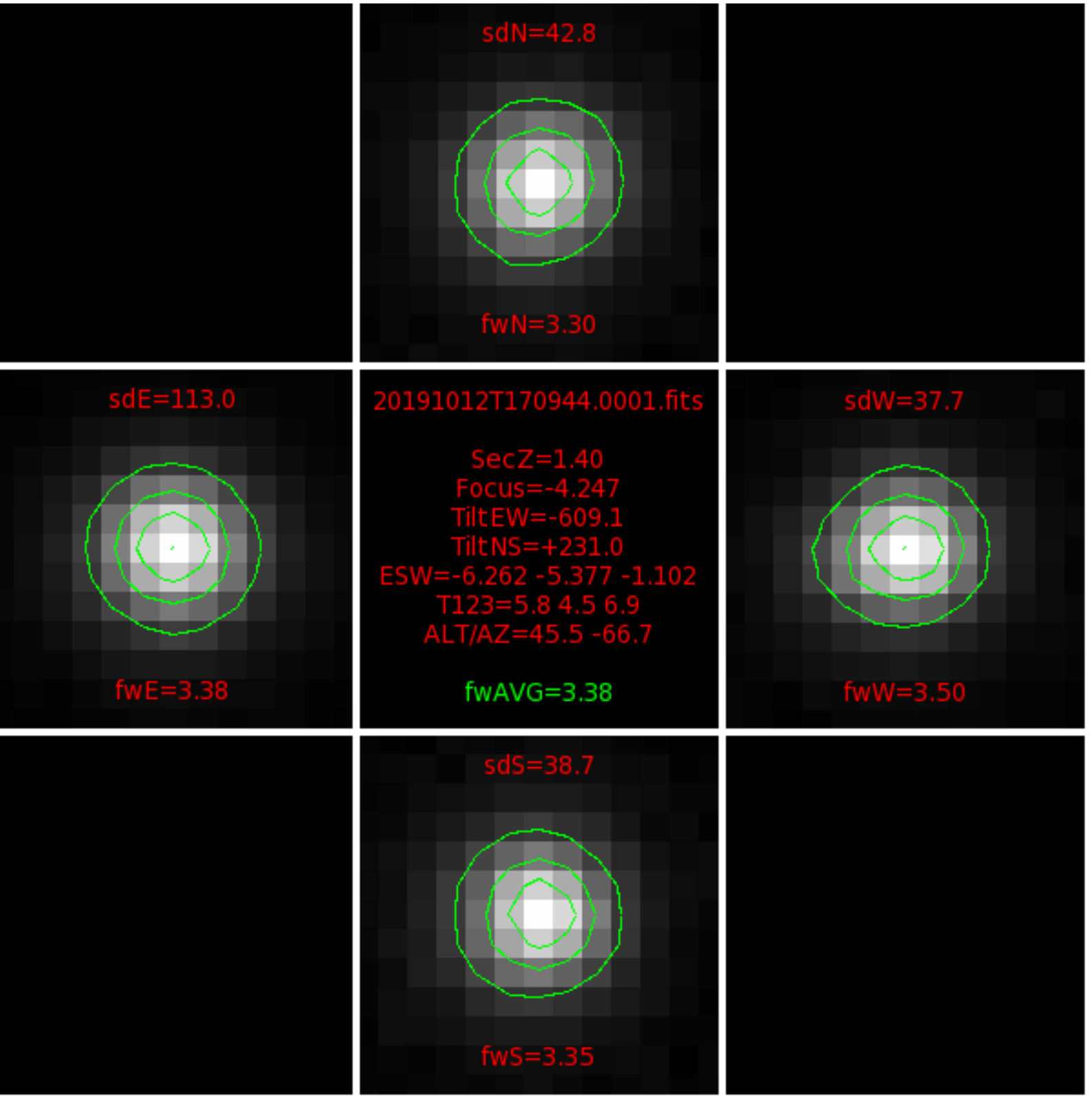

sdN=68.1
fwN=2.23
sdE=69.0
fwE=2.35
20191012T170908.0001.fits
SecZ=1.40
Focus=-4.247
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.262 -5.377 -1.102
T123=5.8 4.5 6.8
ALT/AZ=45.7 -66.8
fwAVG=2.43
sdW=44.5
fwW=2.30
sdS=40.5
fwS=2.85
0 0 0 0 0 0 0 0 0


sdN=42.8
fwN=3.30
sdE=113.0
fwE=3.38
20191012T170944.0001.fits
SecZ=1.40
Focus=-4.247
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.262 -5.377 -1.102
T123=5.8 4.5 6.9
ALT/AZ=45.5 -66.7
fwAVG=3.38
sdW=37.7
fwW=3.50
sdS=38.7
fwS=3.35
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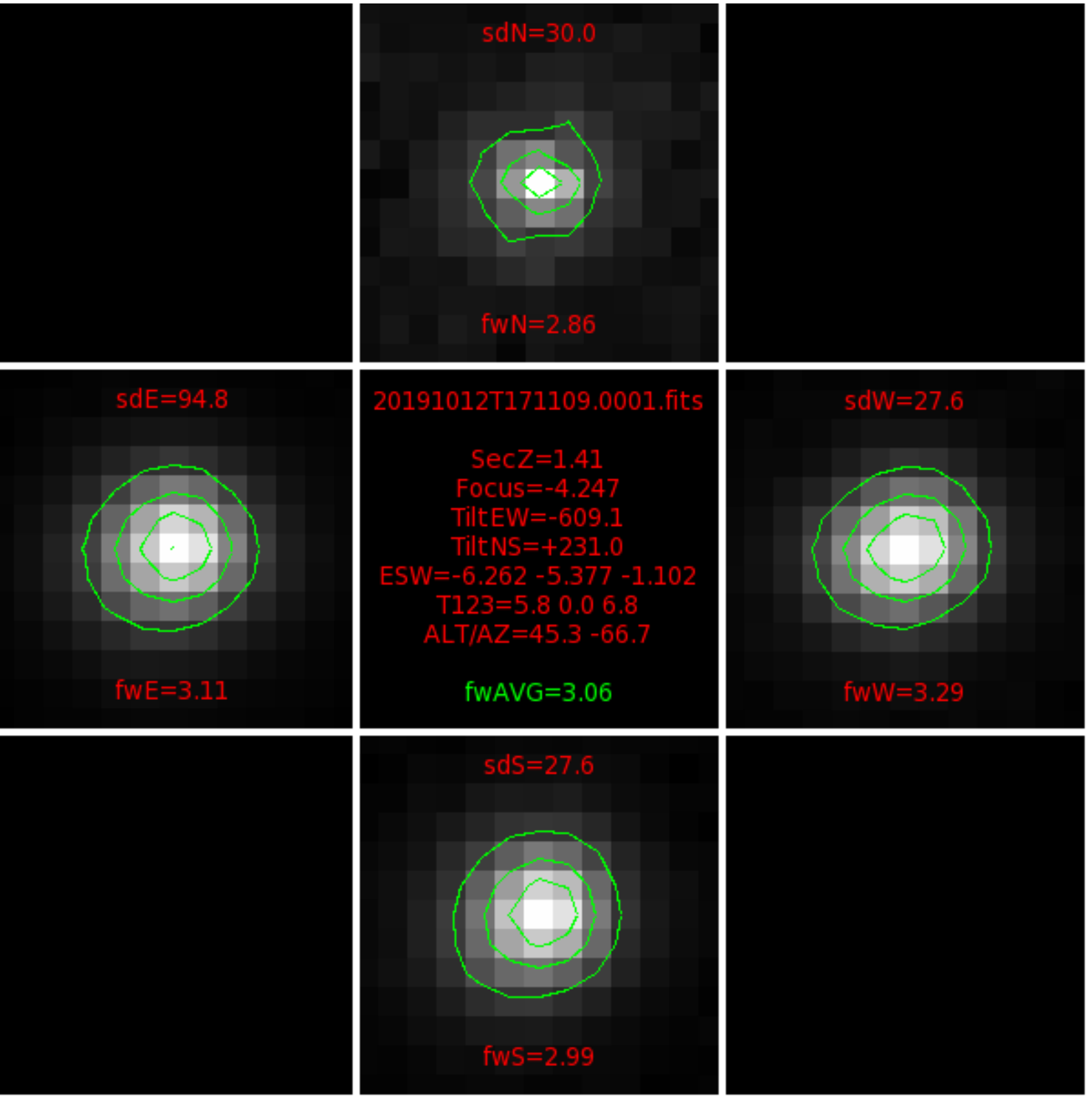
sdN=30.0
fwN=2.86
sdE=94.8
fwE=3.11
20191012T171109.0001.fits
SecZ=1.41
Focus=-4.247
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.262 -5.377 -1.102
T123=5.8 0.0 6.8
ALT/AZ=45.3 -66.7
fwAVG=3.06
sdW=27.6
fwW=3.29
sdS=27.6
fwS=2.99
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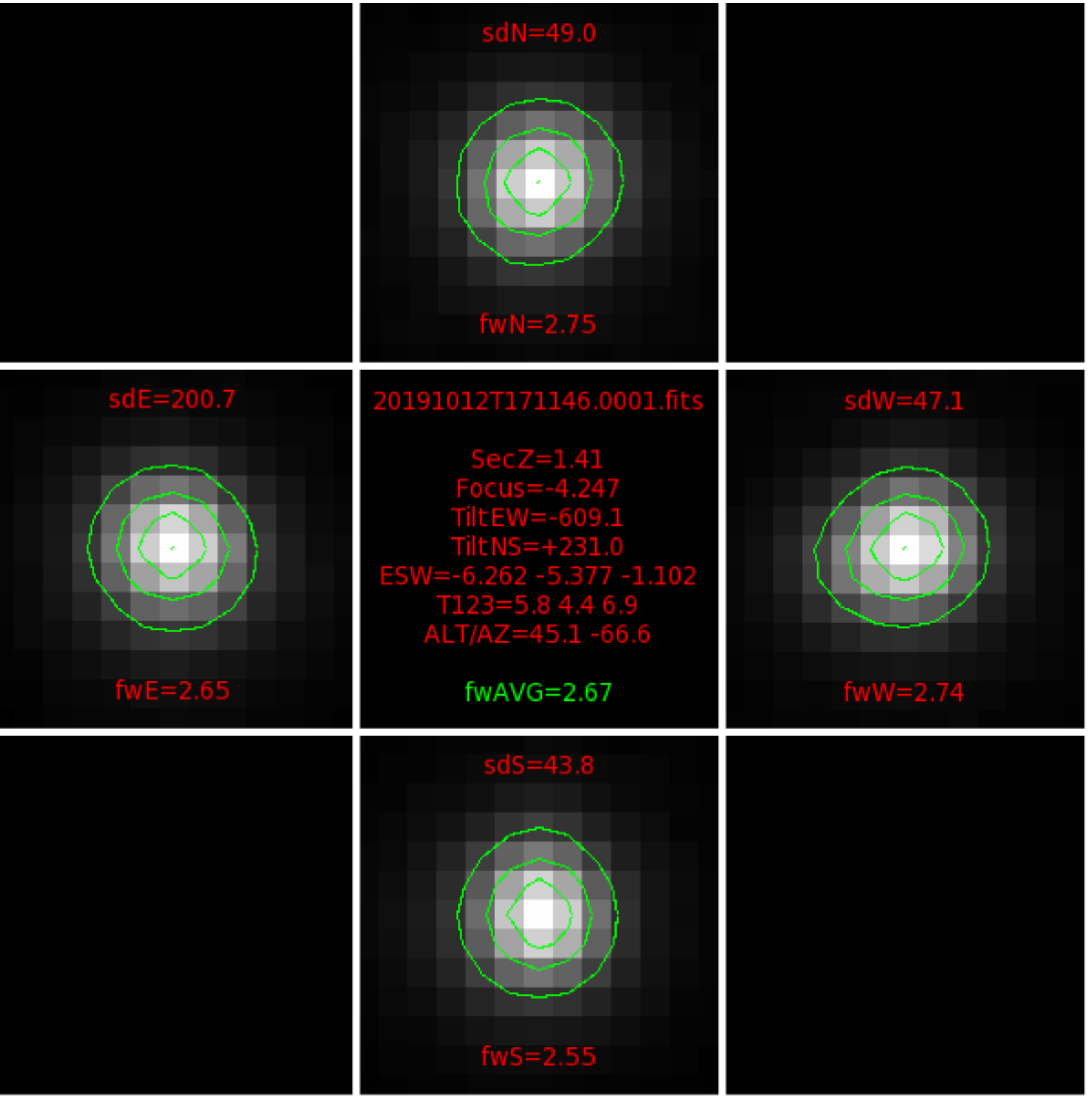
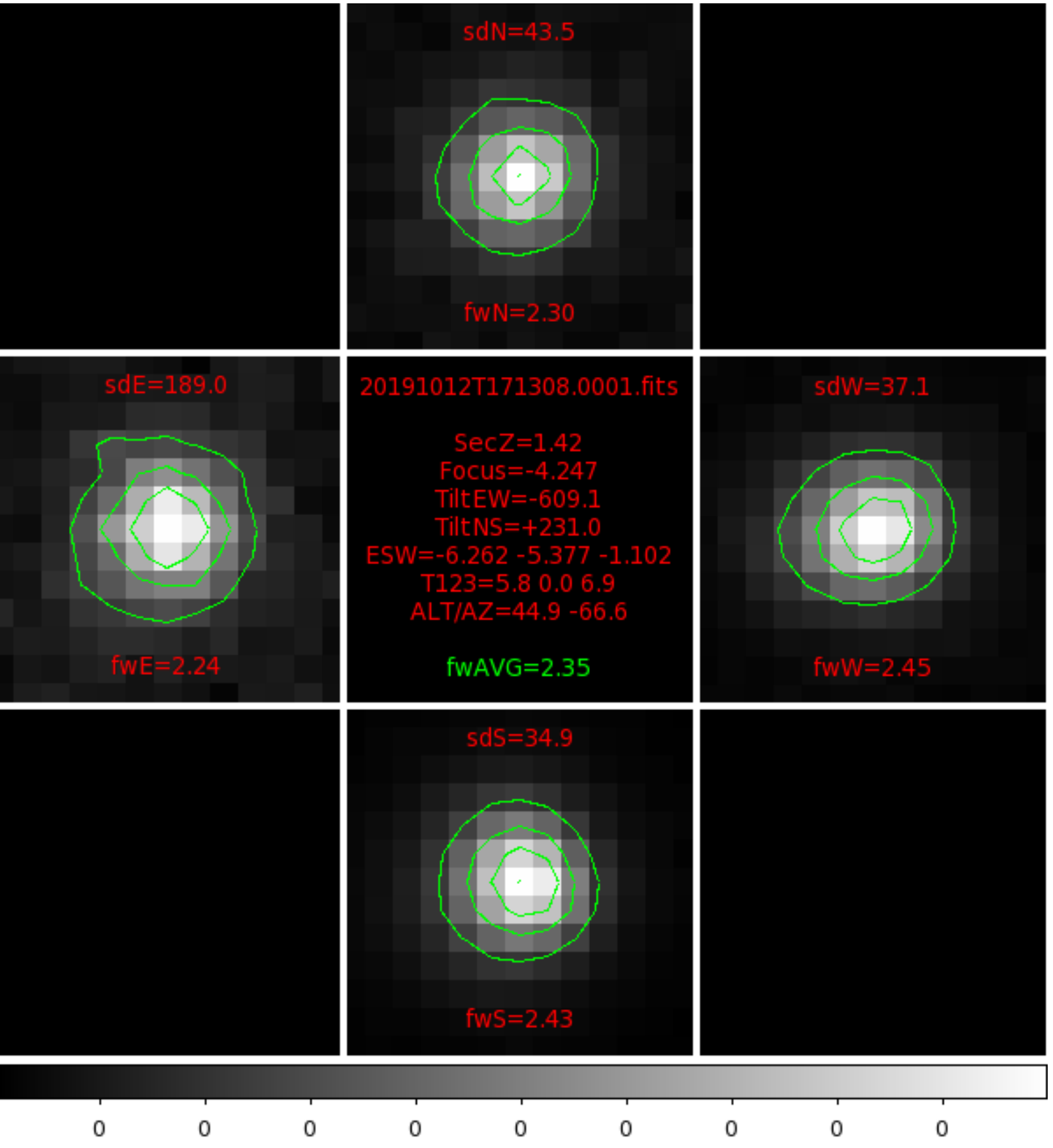
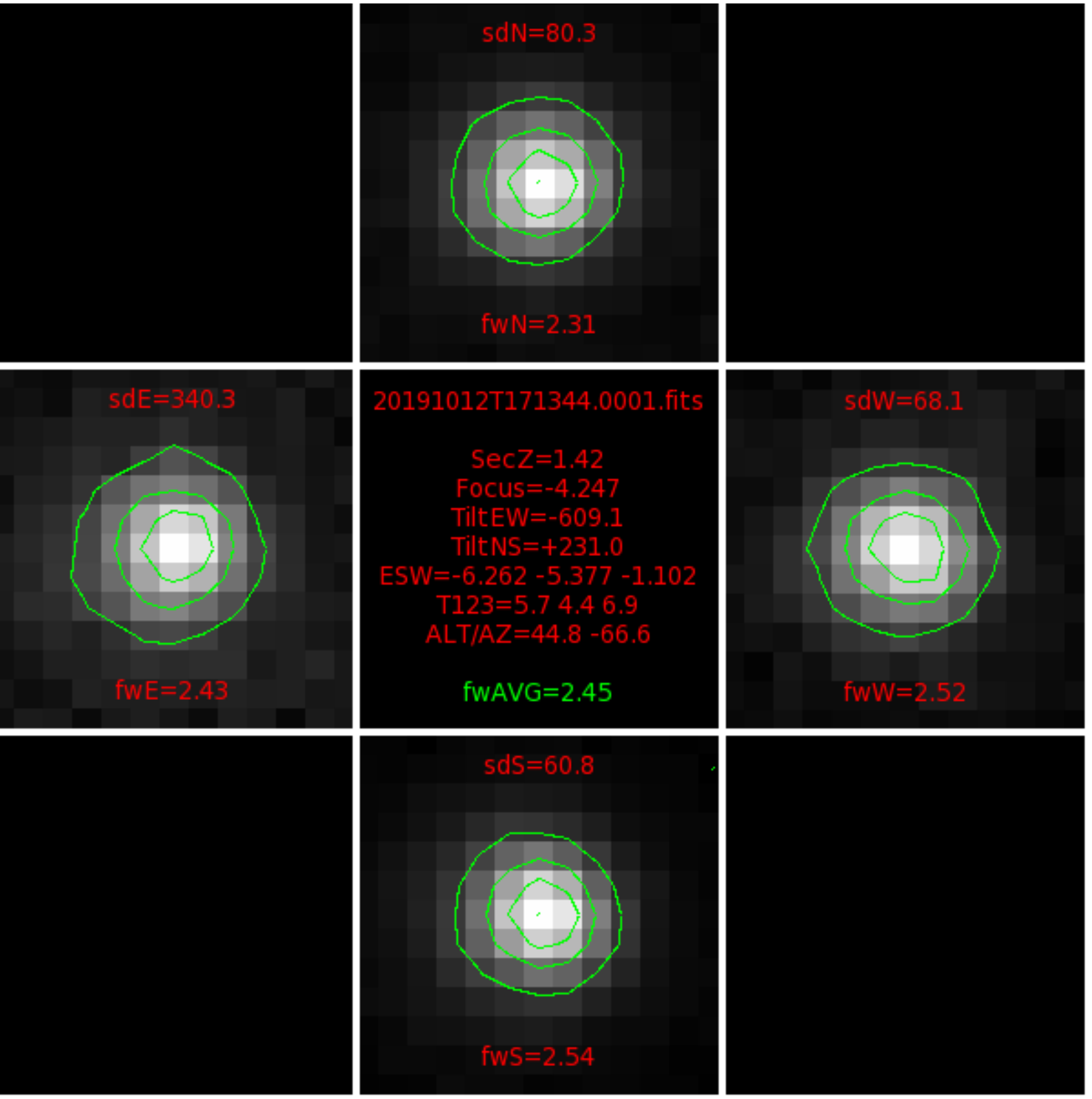

sdN=49.0
fwN=2.75
sdE=200.7
fwE=2.65
20191012T171146.0001.fits
SecZ=1.41
Focus=-4.247
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.262 -5.377 -1.102
T123=5.8 4.4 6.9
ALT/AZ=45.1 -66.6
fwAVG=2.67
sdW=47.1
fwW=2.74
sdS=43.8
fwS=2.55
0 0 0 0 0 0 0 0 0


sdN=43.5
fwN=2.30
sdE=189.0
fwE=2.24
20191012T171308.0001.fits
SecZ=1.42
Focus=-4.247
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.262 -5.377 -1.102
T123=5.8 0.0 6.9
ALT/AZ=44.9 -66.6
fwAVG=2.35
sdW=37.1
fwW=2.45
sdS=34.9
fwS=2.43
0 0 0 0 0 0 0 0 0


sdN=80.3
fwN=2.31
sdE=340.3
fwE=2.43
20191012T171344.0001.fits
SecZ=1.42
Focus=-4.247
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.262 -5.377 -1.102
T123=5.7 4.4 6.9
ALT/AZ=44.8 -66.6
fwAVG=2.45
sdW=68.1
fwW=2.52
sdS=60.8
fwS=2.54
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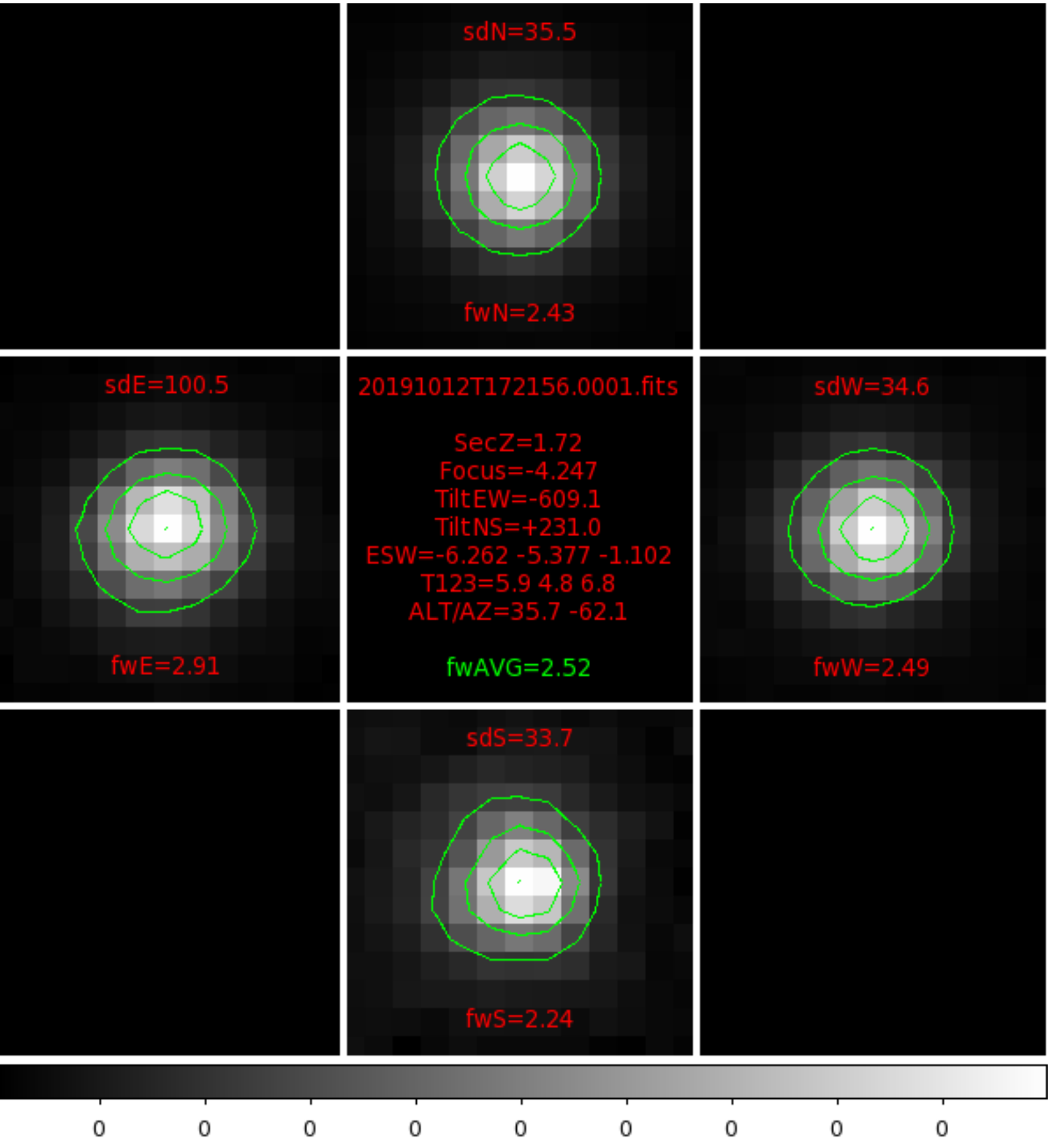
sdN=35.5
fwN=2.43
sdE=100.5
fwE=2.91
20191012T172156.0001.fits
SecZ=1.72
Focus=-4.247
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.262 -5.377 -1.102
T123=5.9 4.8 6.8
ALT/AZ=35.7 -62.1
fwAVG=2.52
sdW=34.6
fwW=2.49
sdS=33.7
fwS=2.24
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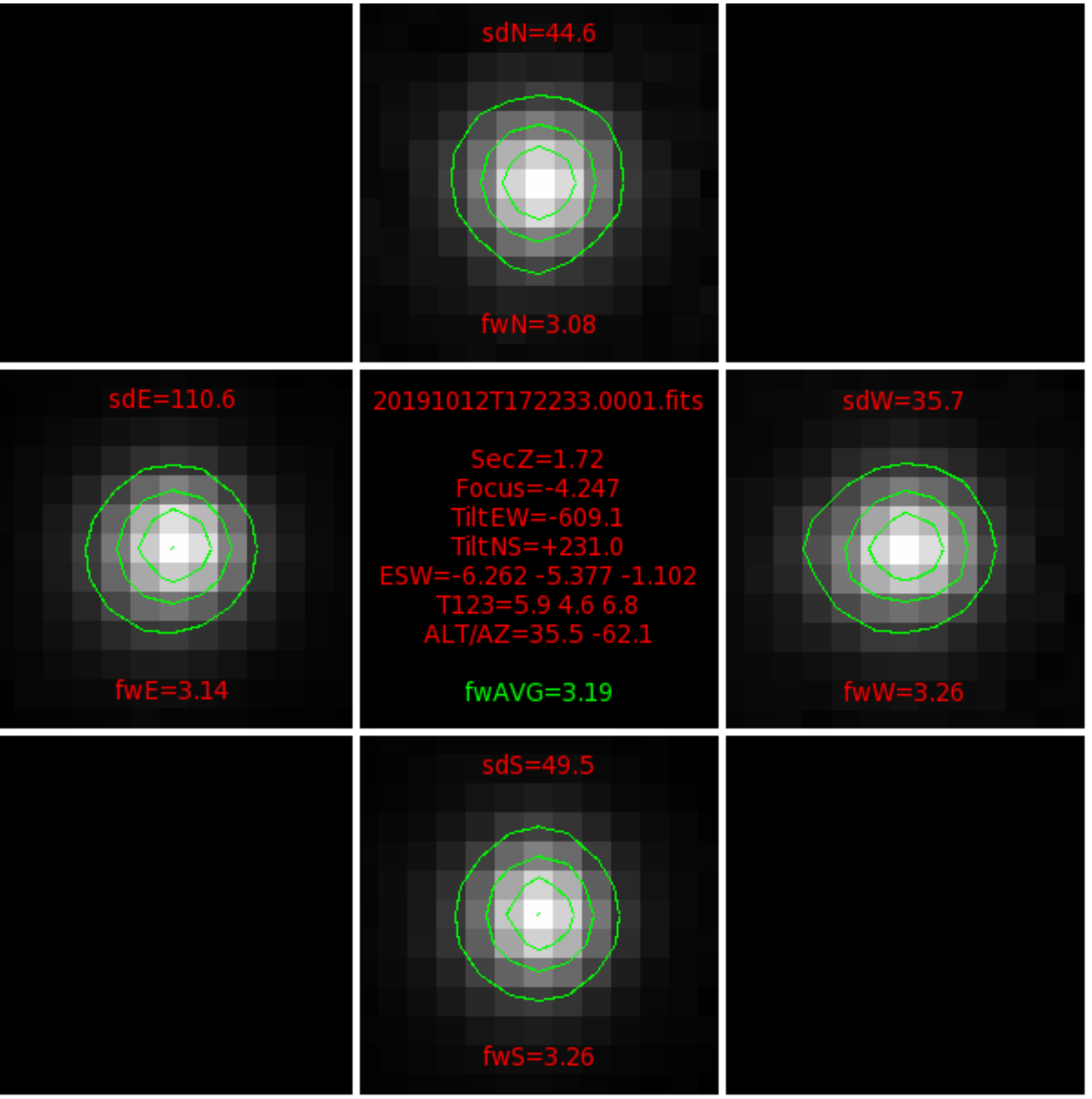
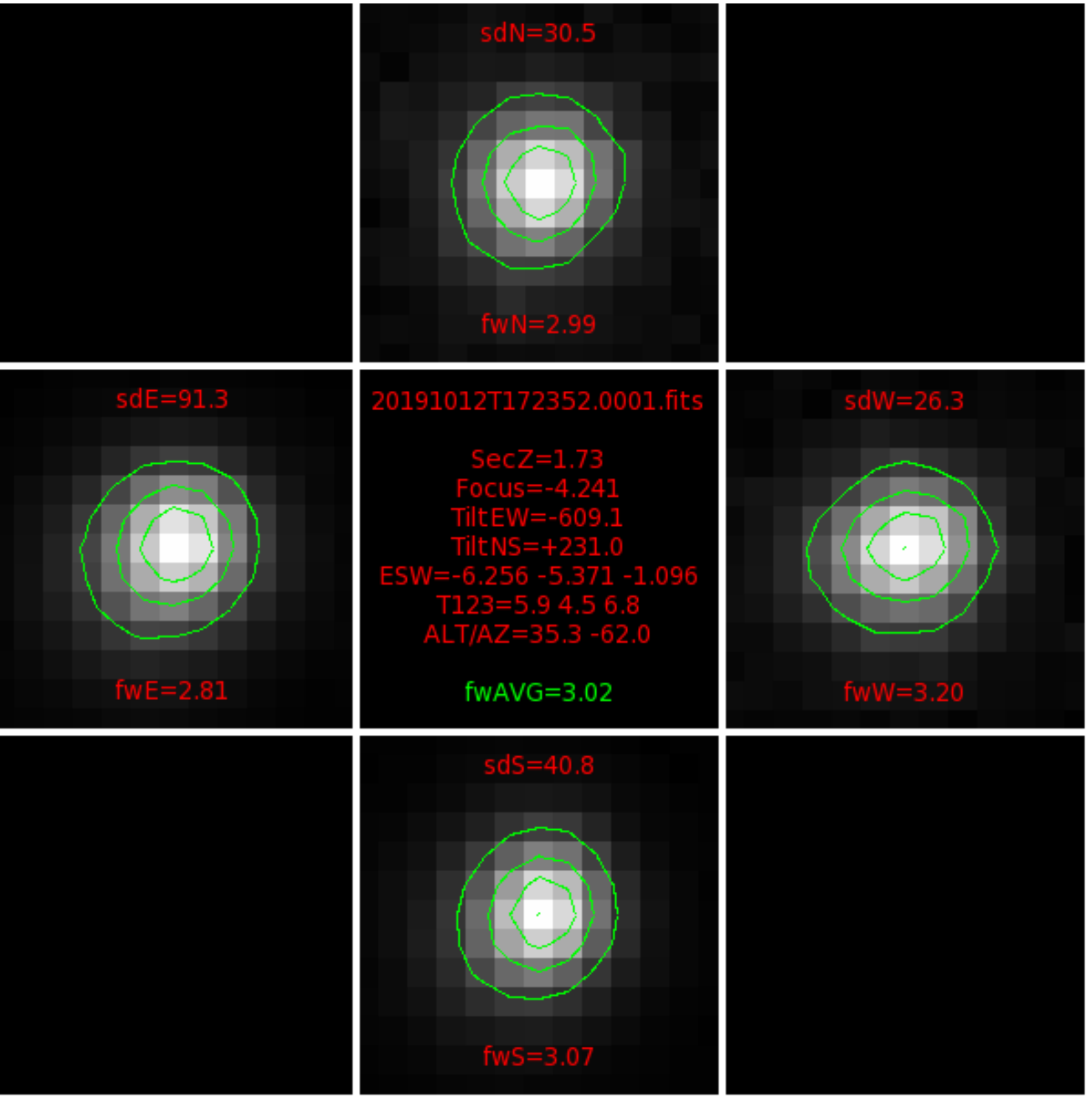
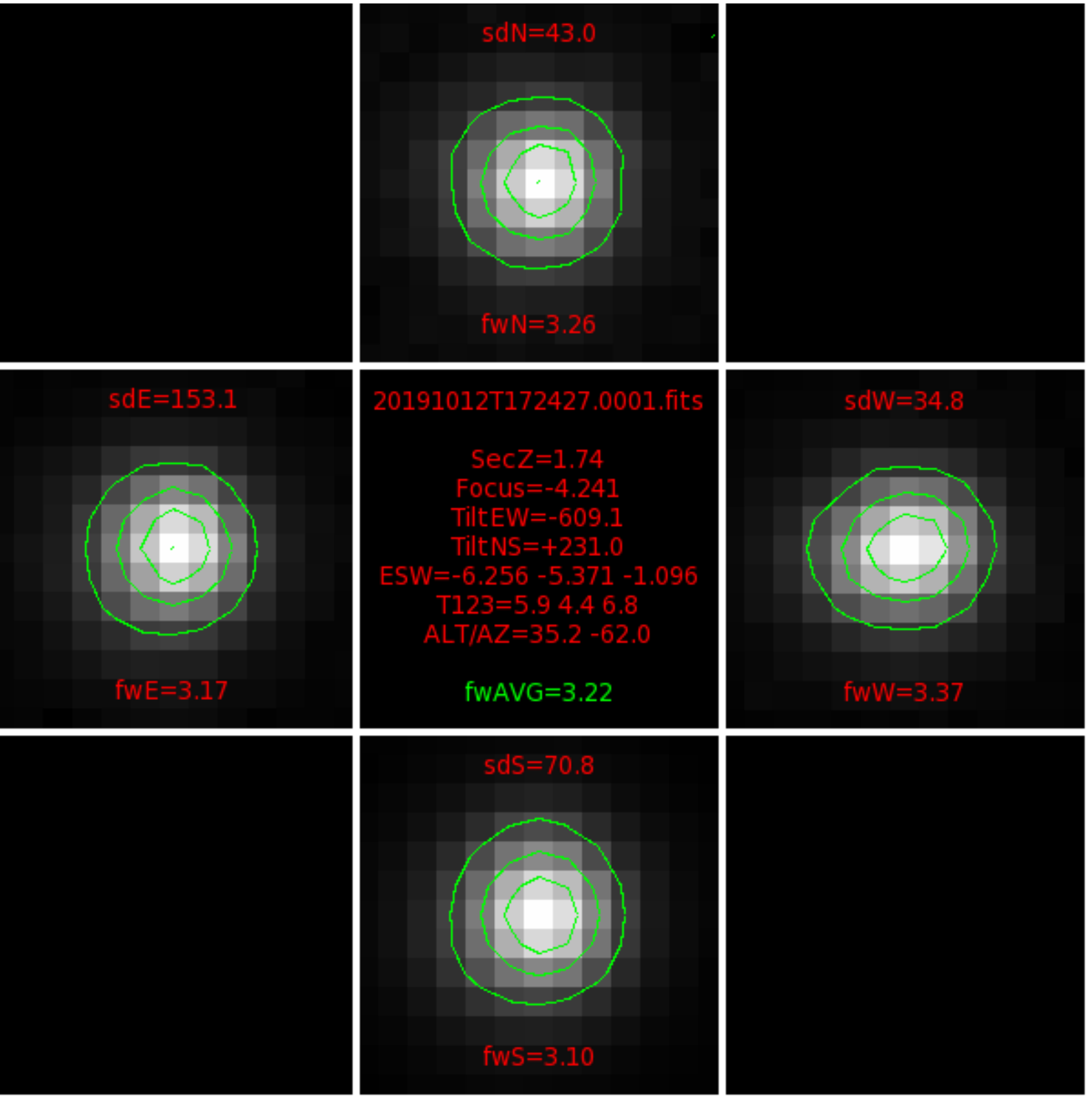

sdN=44.6
fwN=3.08
sdE=110.6
fwE=3.14
20191012T172233.0001.fits
SecZ=1.72
Focus=-4.247
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.262 -5.377 -1.102
T123=5.9 4.6 6.8
ALT/AZ=35.5 -62.1
fwAVG=3.19
sdW=35.7
fwW=3.26
sdS=49.5
fwS=3.26
0 0 0 0 0 0 0 0 0


sdN=30.5
fwN=2.99
sdE=91.3
fwE=2.81
20191012T172352.0001.fits
SecZ=1.73
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.9 4.5 6.8
ALT/AZ=35.3 -62.0
fwAVG=3.02
sdW=26.3
fwW=3.20
sdS=40.8
fwS=3.07
0 0 0 0 0 0 0 0 0


sdN=43.0
fwN=3.26
sdE=153.1
fwE=3.17
20191012T172427.0001.fits
SecZ=1.74
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.9 4.4 6.8
ALT/AZ=35.2 -62.0
fwAVG=3.22
sdW=34.8
fwW=3.37
sdS=70.8
fwS=3.10
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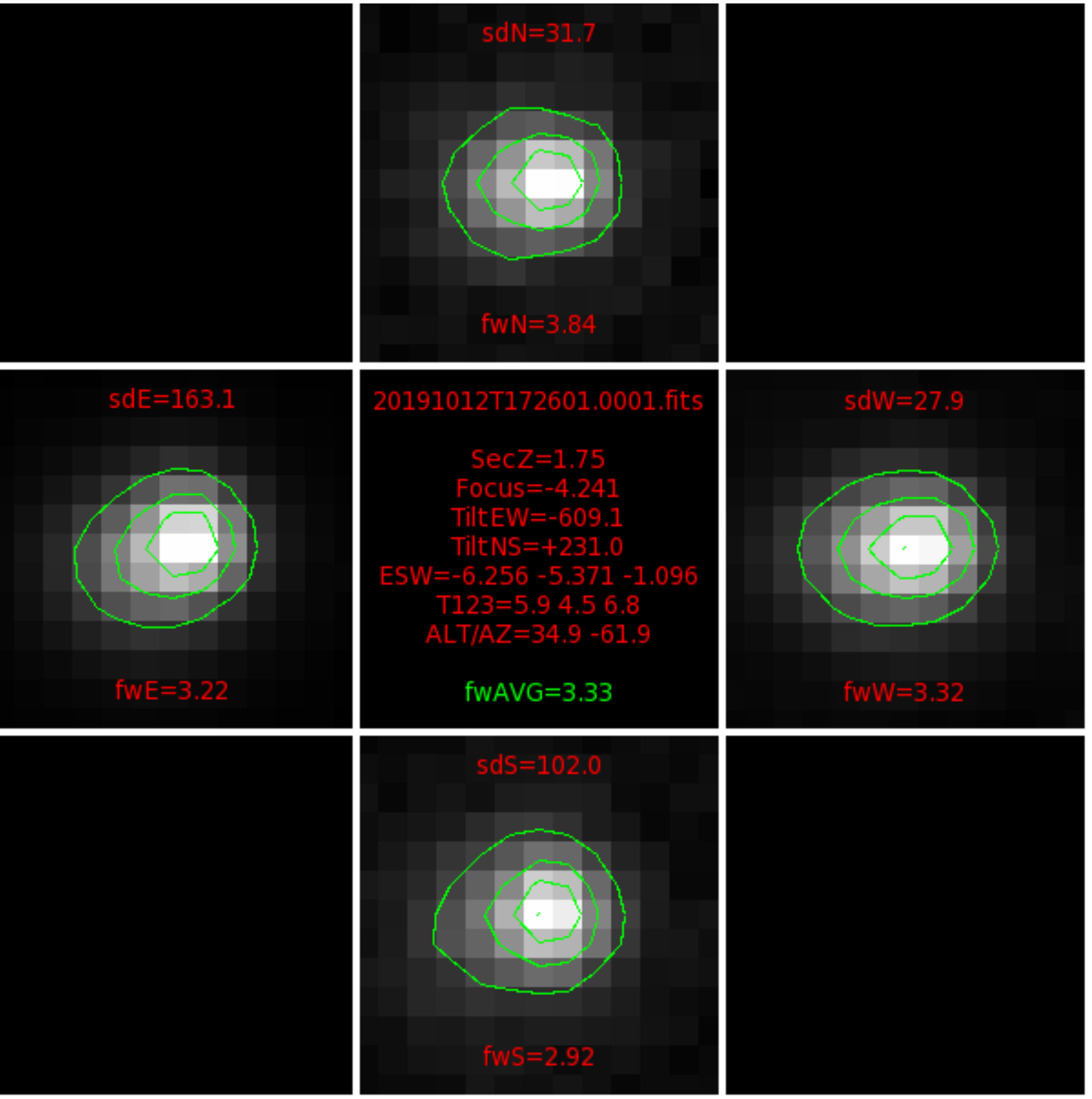
sdN=31.7
fwN=3.84
sdE=163.1
fwE=3.22
20191012T172601.0001.fits
SecZ=1.75
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.9 4.5 6.8
ALT/AZ=34.9 -61.9
fwAVG=3.33
sdW=27.9
fwW=3.32
sdS=102.0
fwS=2.92
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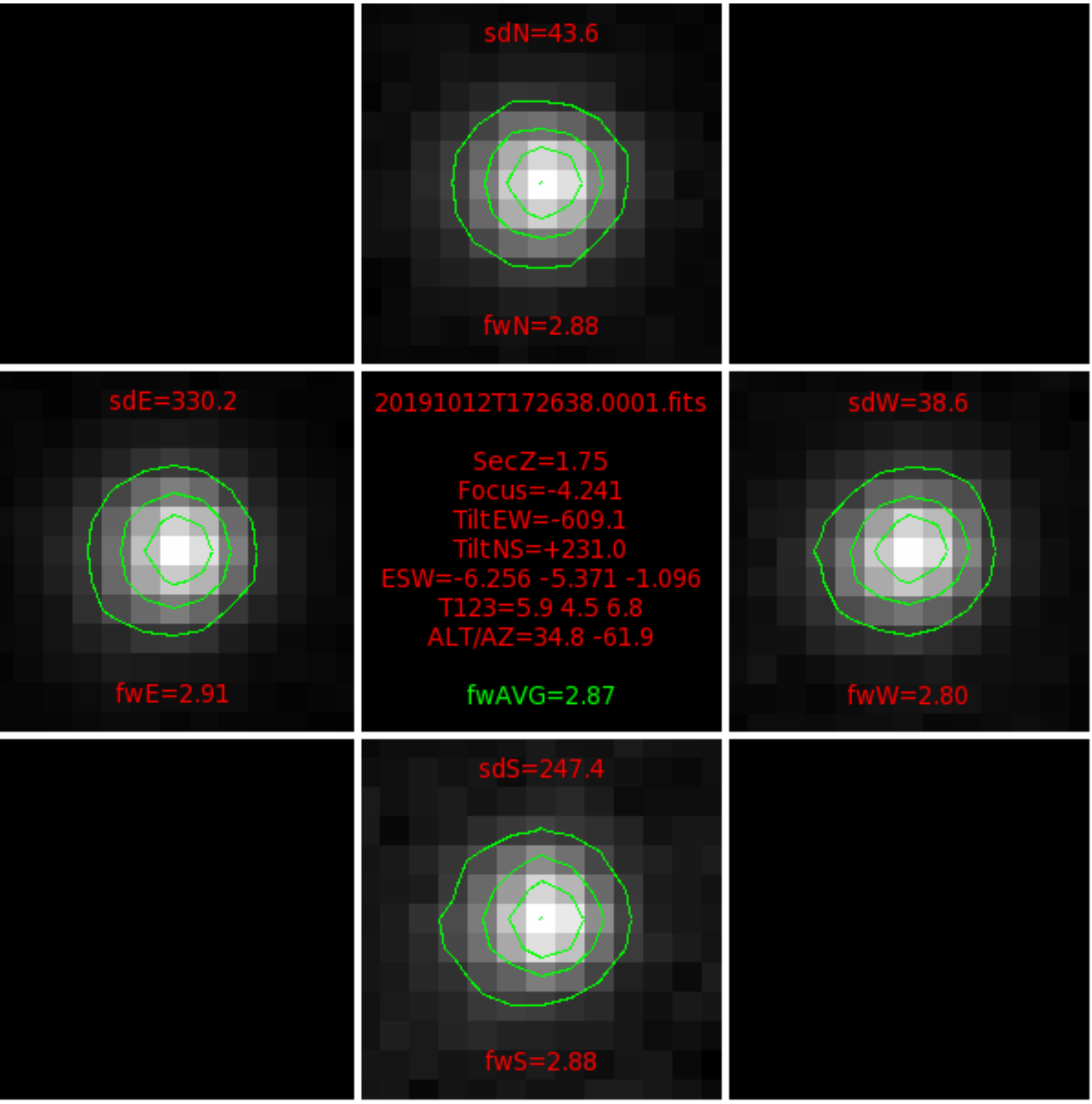
sdN=43.6
fwN=2.88
sdE=330.2
fwE=2.91
20191012T172638.0001.fits
SecZ=1.75
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.9 4.5 6.8
ALT/AZ=34.8 -61.9
fwAVG=2.87
sdW=38.6
fwW=2.80
sdS=247.4
fwS=2.88
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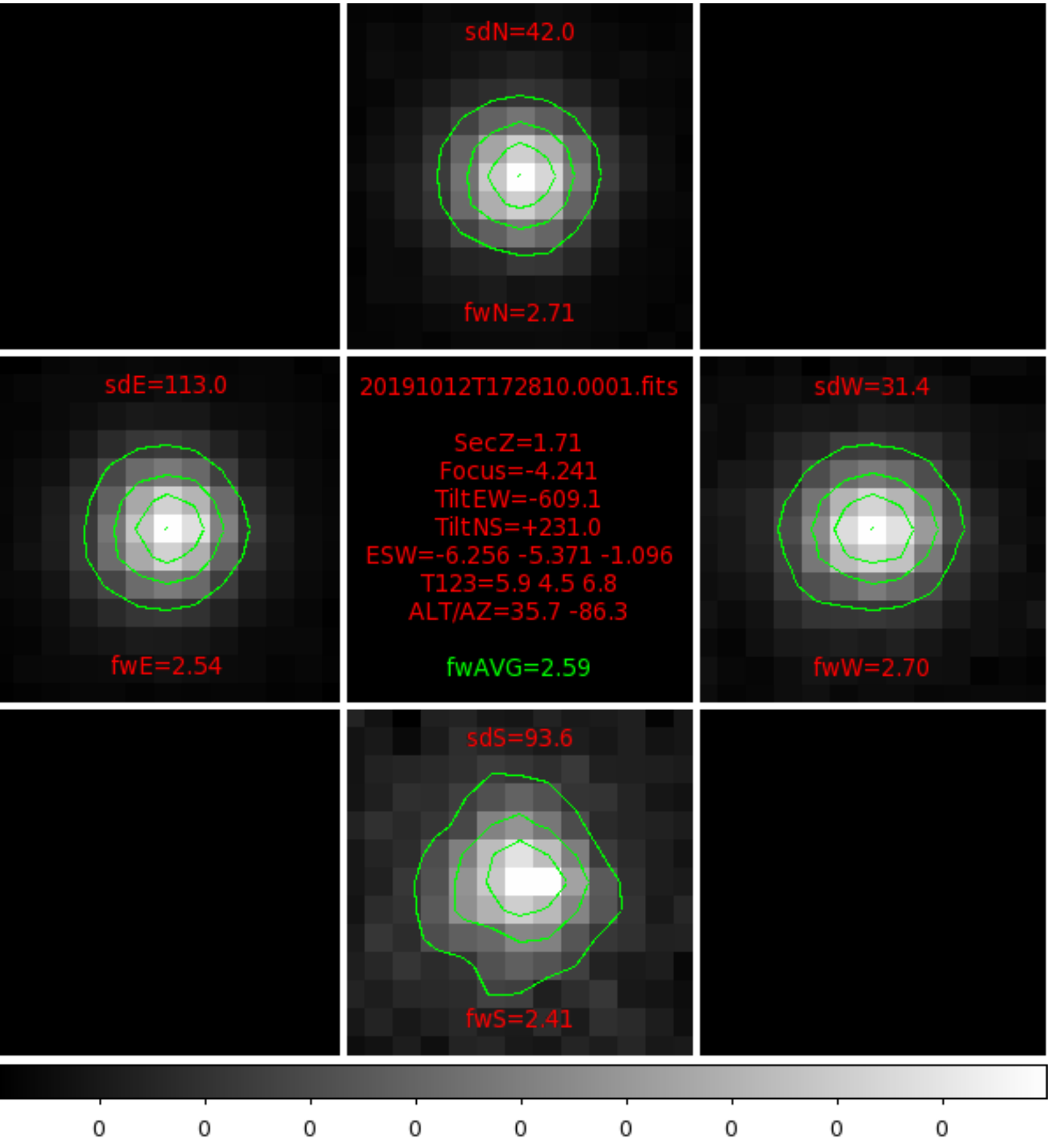
sdN=42.0
fwN=2.71
sdE=113.0
fwE=2.54
20191012T172810.0001.fits
SecZ=1.71
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.9 4.5 6.8
ALT/AZ=35.7 -86.3
fwAVG=2.59
sdW=31.4
fwW=2.70
sdS=93.6
fwS=2.41
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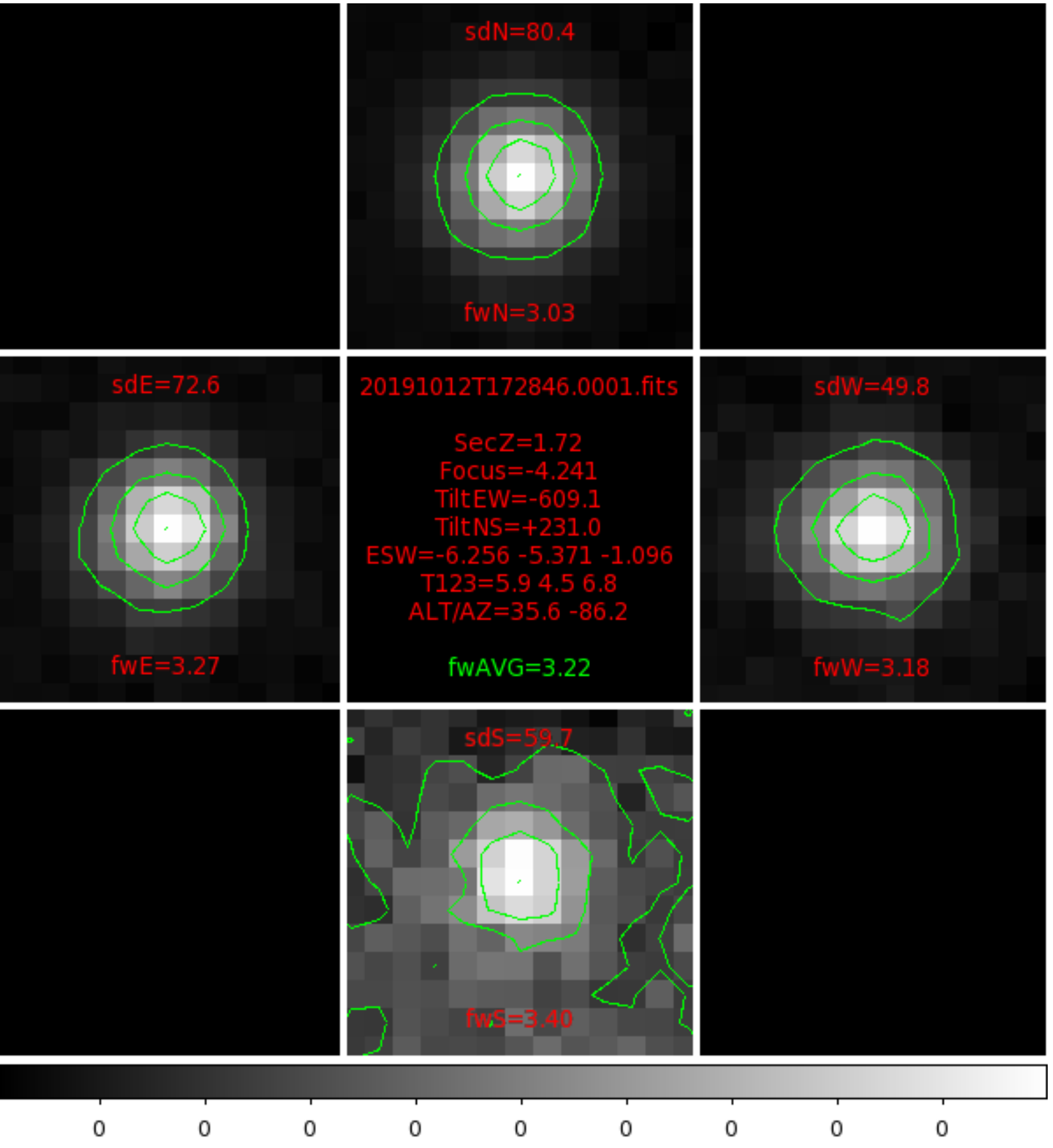
sdN=80.4
fwN=3.03
sdE=72.6
fwE=3.27
20191012T172846.0001.fits
SecZ=1.72
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.9 4.5 6.8
ALT/AZ=35.6 -86.2
fwAVG=3.22
sdW=49.8
fwW=3.18
sdS=59.7
fwS=3.40
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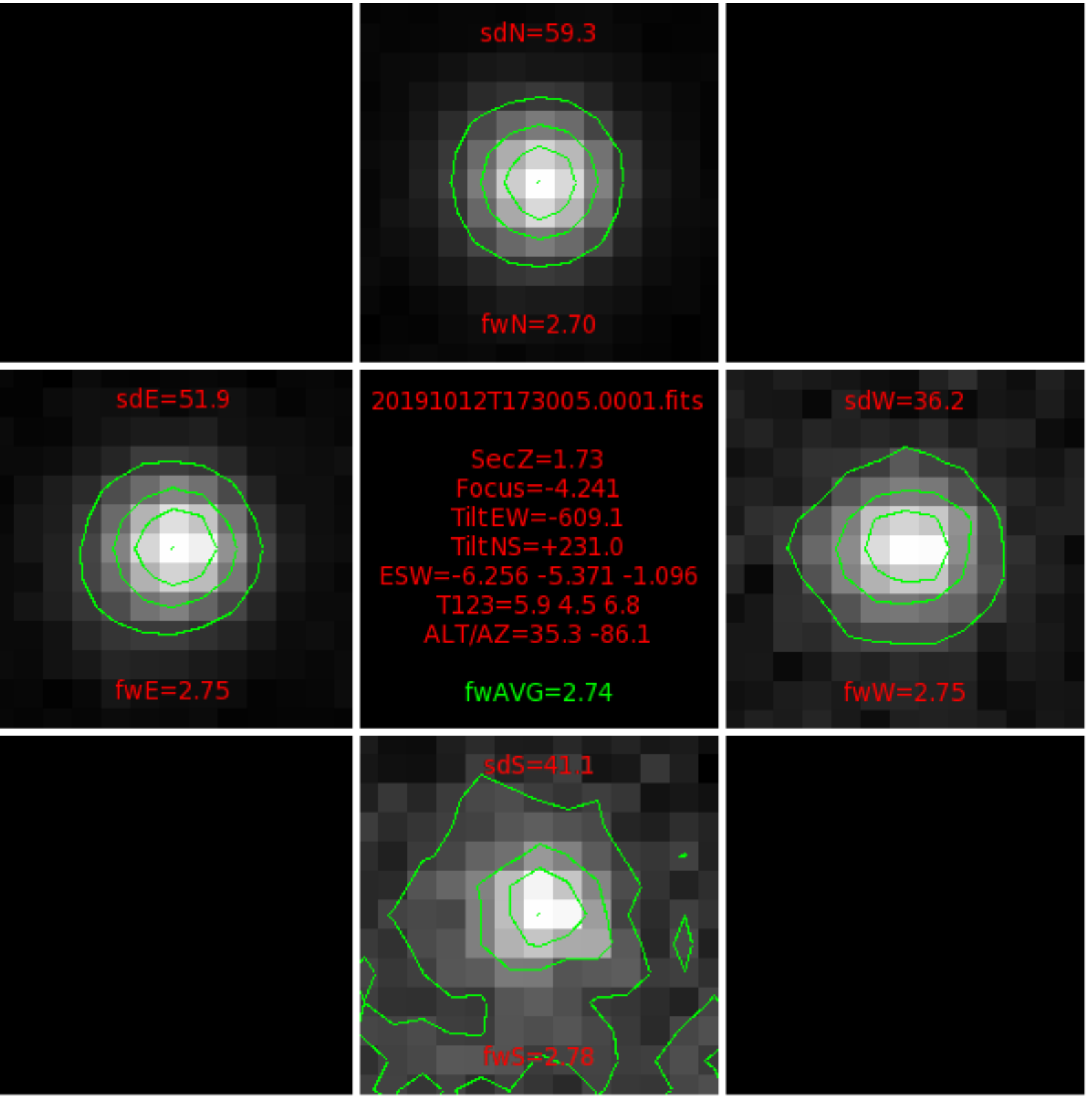
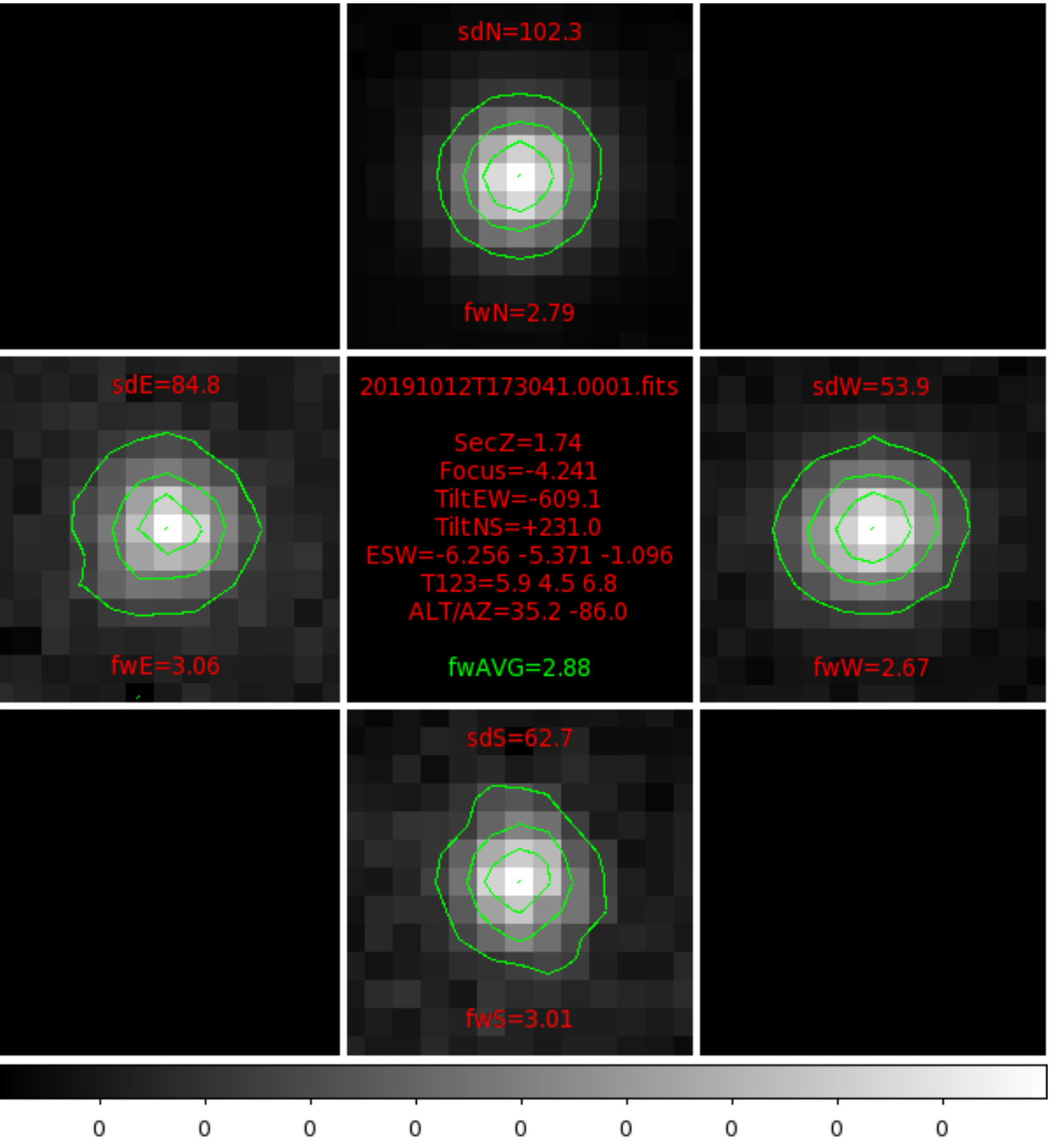

sdN=59.3
fwN=2.70
sdE=51.9
fwE=2.75
20191012T173005.0001.fits
SecZ=1.73
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.9 4.5 6.8
ALT/AZ=35.3 -86.1
fwAVG=2.74
sdW=36.2
fwW=2.75
sdS=41.1
fwS=2.78
0 0 0 0 0 0 0 0 0


sdN=102.3
fwN=2.79
sdE=84.8
fwE=3.06
20191012T173041.0001.fits
SecZ=1.74
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.9 4.5 6.8
ALT/AZ=35.2 -86.0
fwAVG=2.88
sdW=53.9
fwW=2.67
sdS=62.7
fwS=3.01
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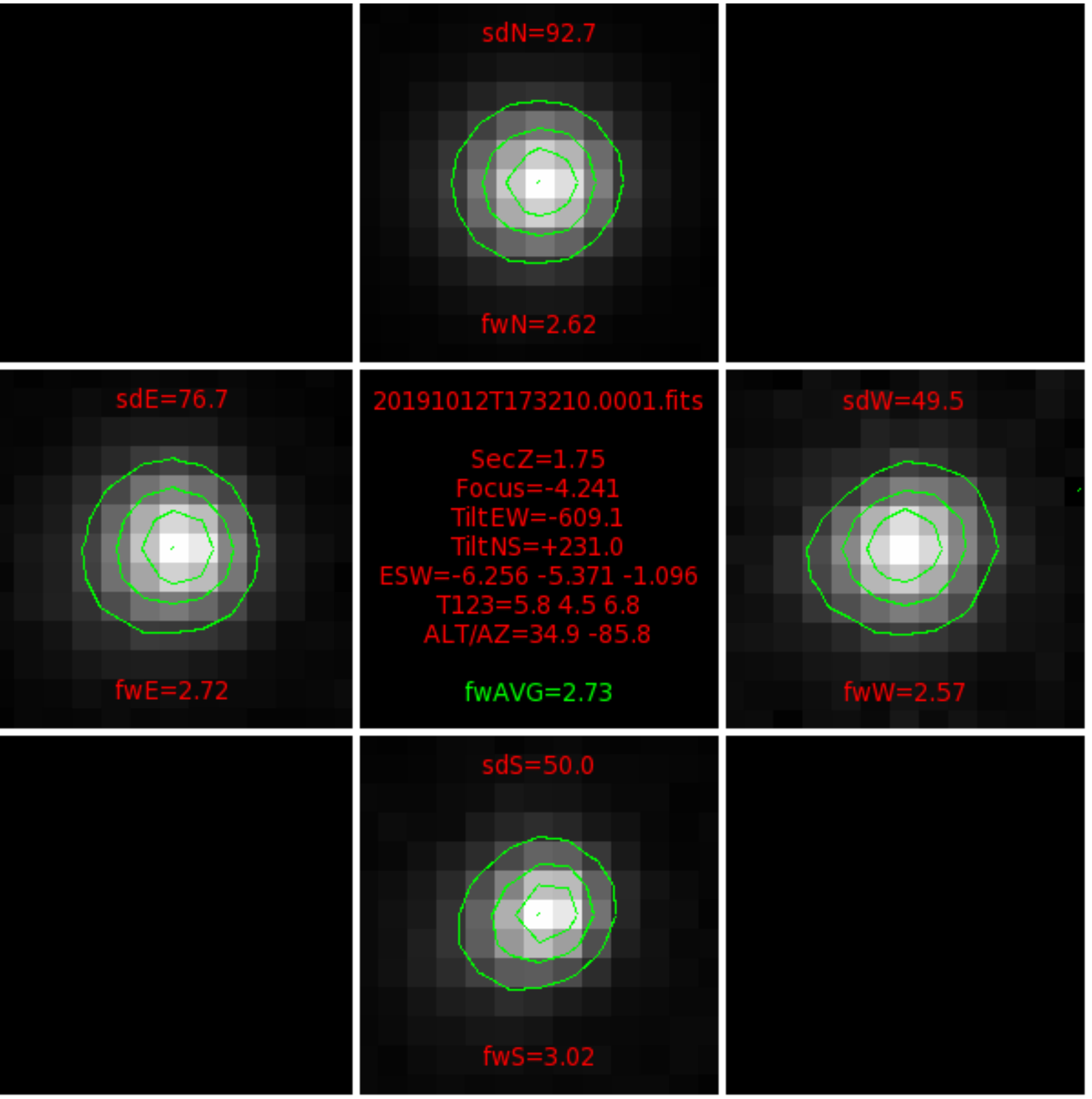
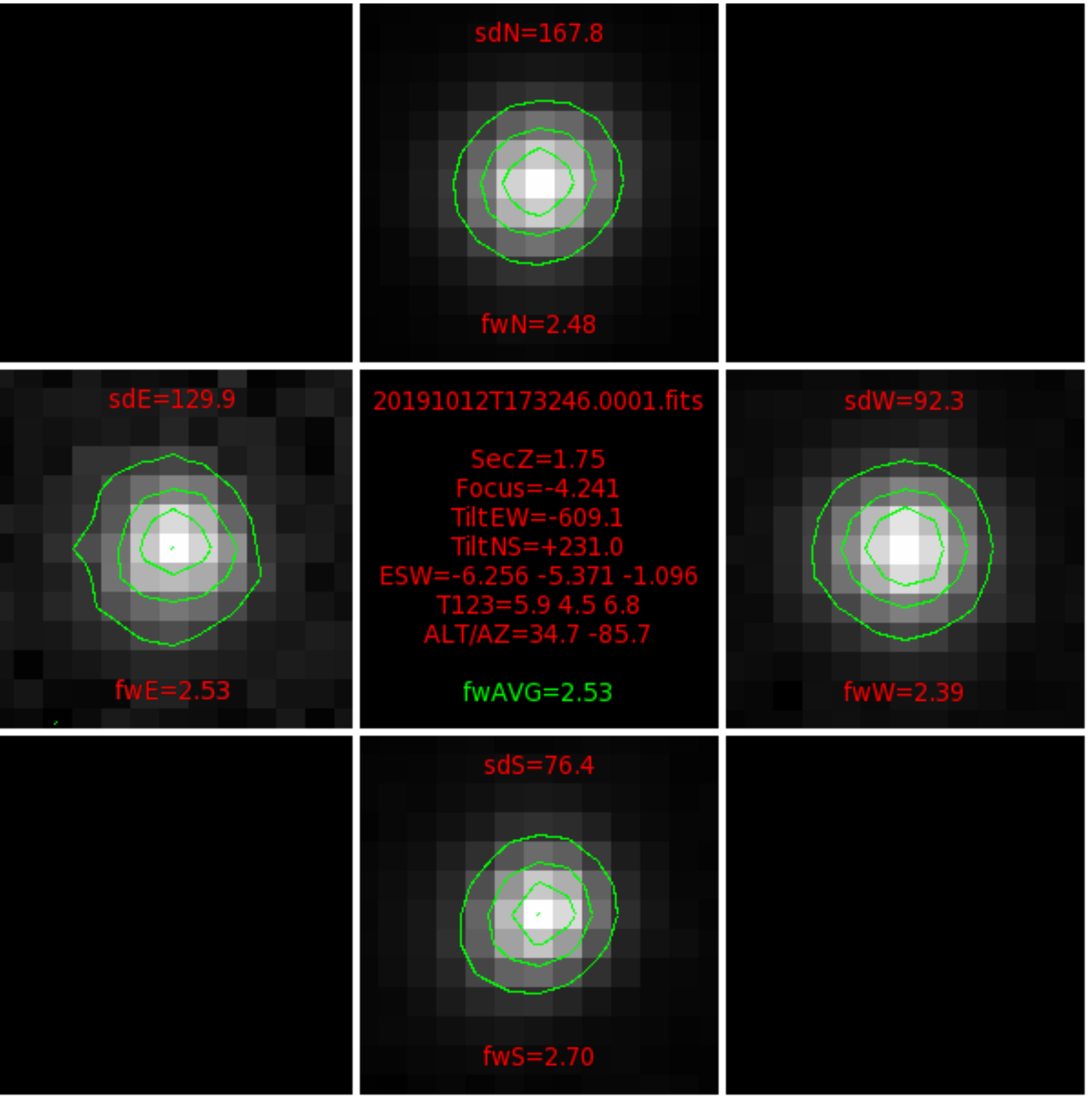
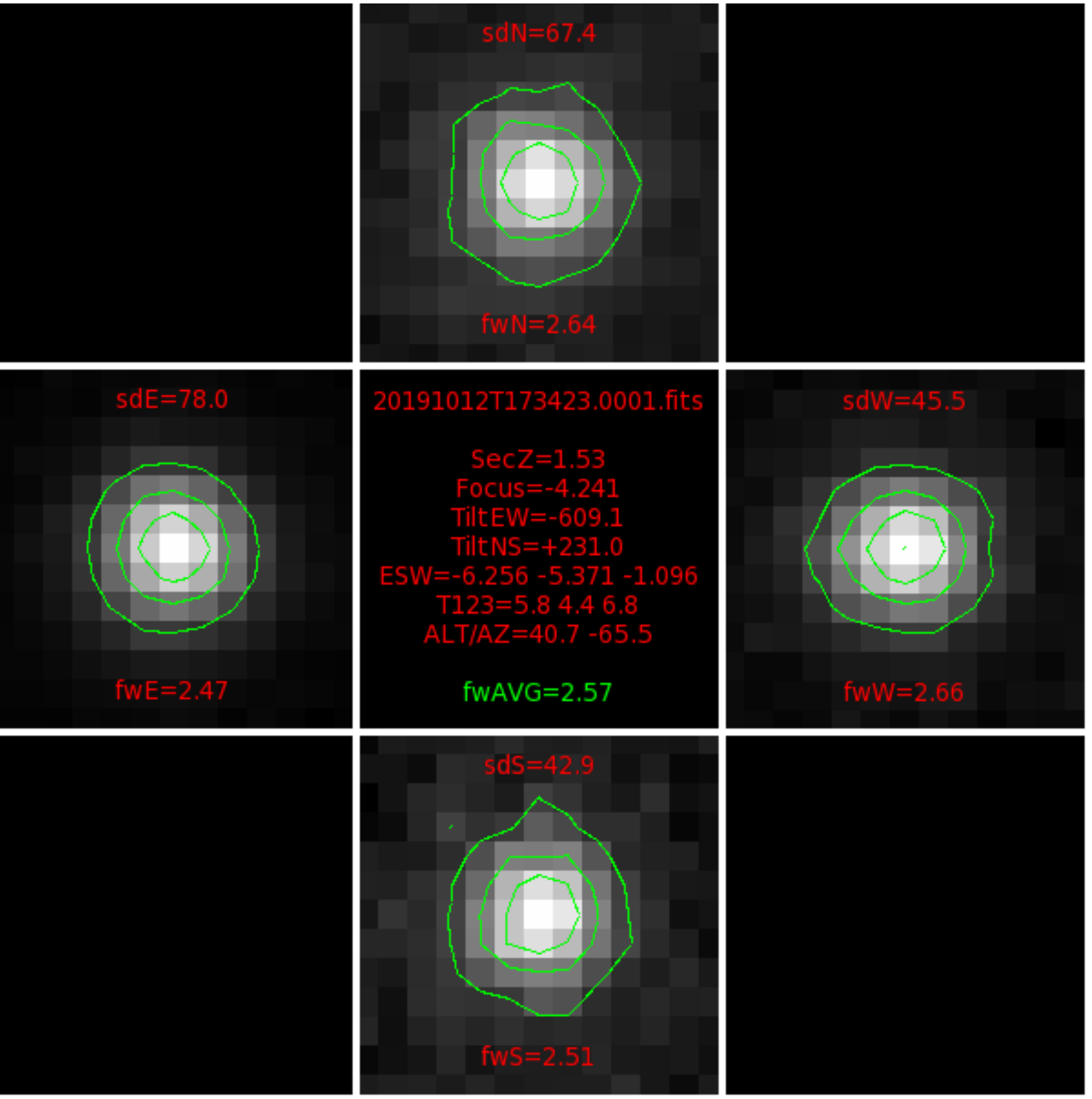
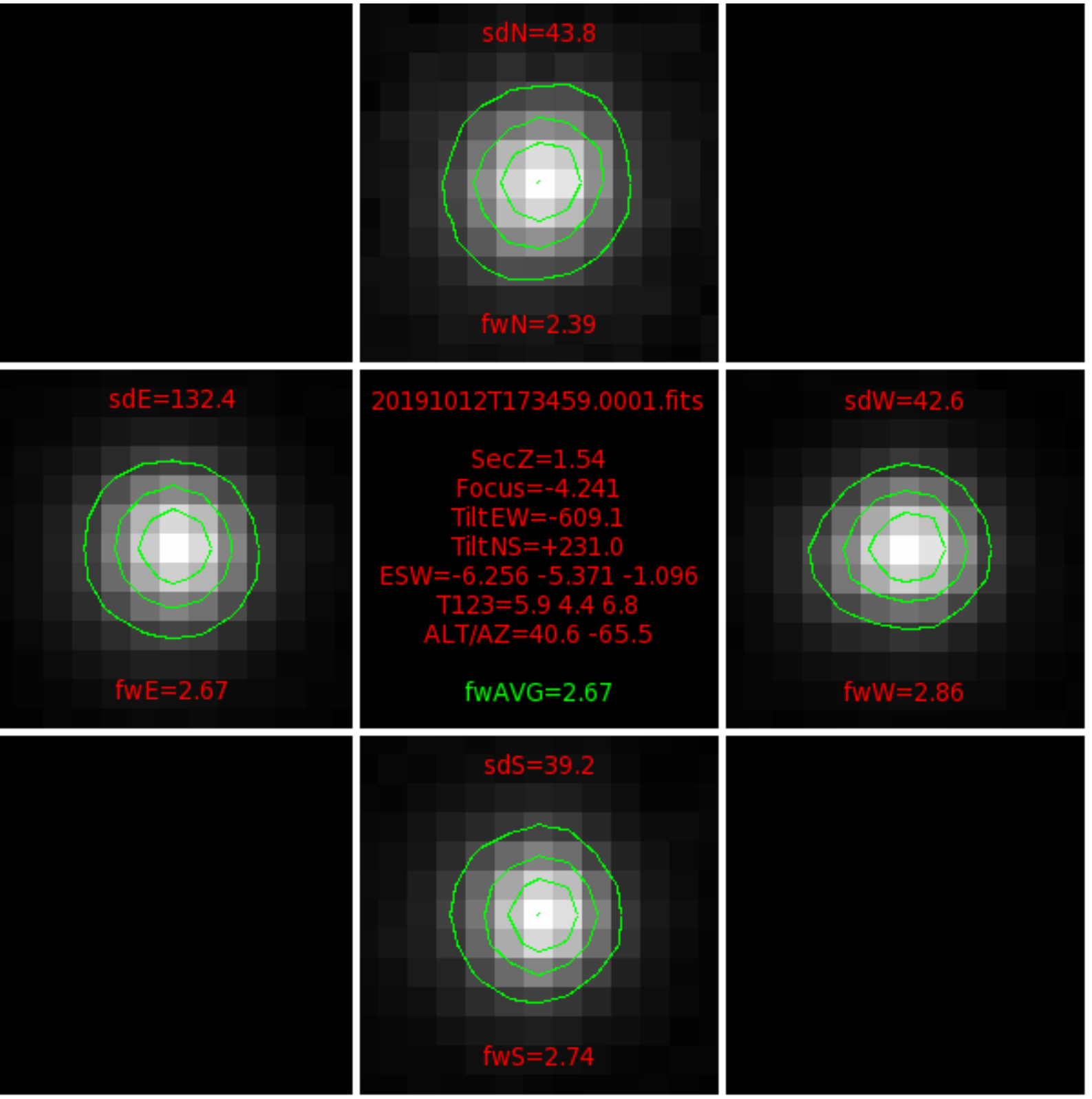

sdN=92.7
fwN=2.62
sdE=76.7
fwE=2.72
20191012T173210.0001.fits
SecZ=1.75
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.5 6.8
ALT/AZ=34.9 -85.8
fwAVG=2.73
sdW=49.5
fwW=2.57
sdS=50.0
fwS=3.02
0 0 0 0 0 0 0 0 0


sdN=167.8
fwN=2.48
sdE=129.9
fwE=2.53
20191012T173246.0001.fits
SecZ=1.75
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.9 4.5 6.8
ALT/AZ=34.7 -85.7
fwAVG=2.53
sdW=92.3
fwW=2.39
sdS=76.4
fwS=2.70
0 0 0 0 0 0 0 0 0


sdN=67.4
fwN=2.64
sdE=78.0
fwE=2.47
20191012T173423.0001.fits
SecZ=1.53
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.4 6.8
ALT/AZ=40.7 -65.5
fwAVG=2.57
sdW=45.5
fwW=2.66
sdS=42.9
fwS=2.51
0 0 0 0 0 0 0 0 0


sdN=43.8
fwN=2.39
sdE=132.4
fwE=2.67
20191012T173459.0001.fits
SecZ=1.54
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.9 4.4 6.8
ALT/AZ=40.6 -65.5
fwAVG=2.67
sdW=42.6
fwW=2.86
sdS=39.2
fwS=2.74
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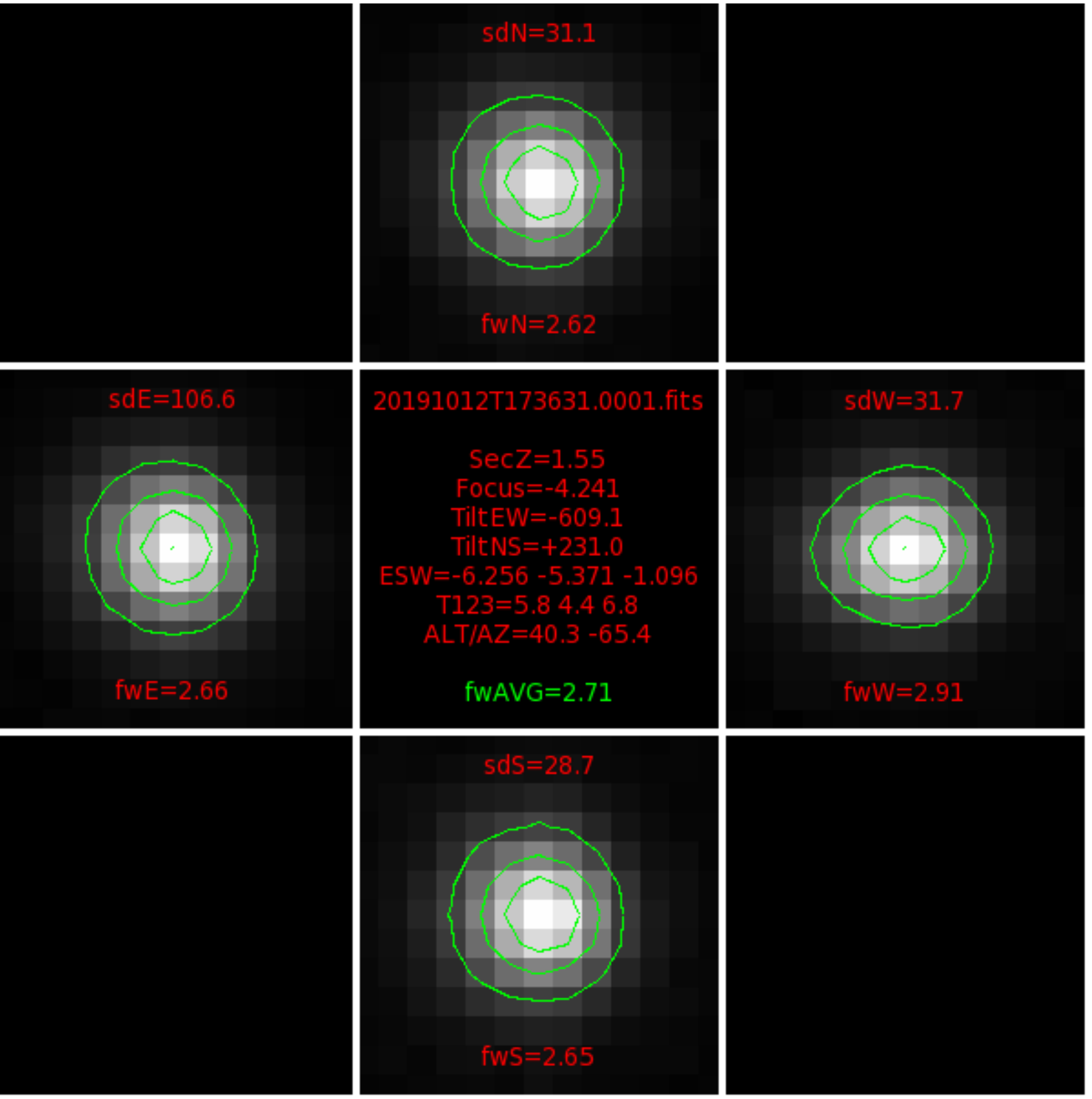
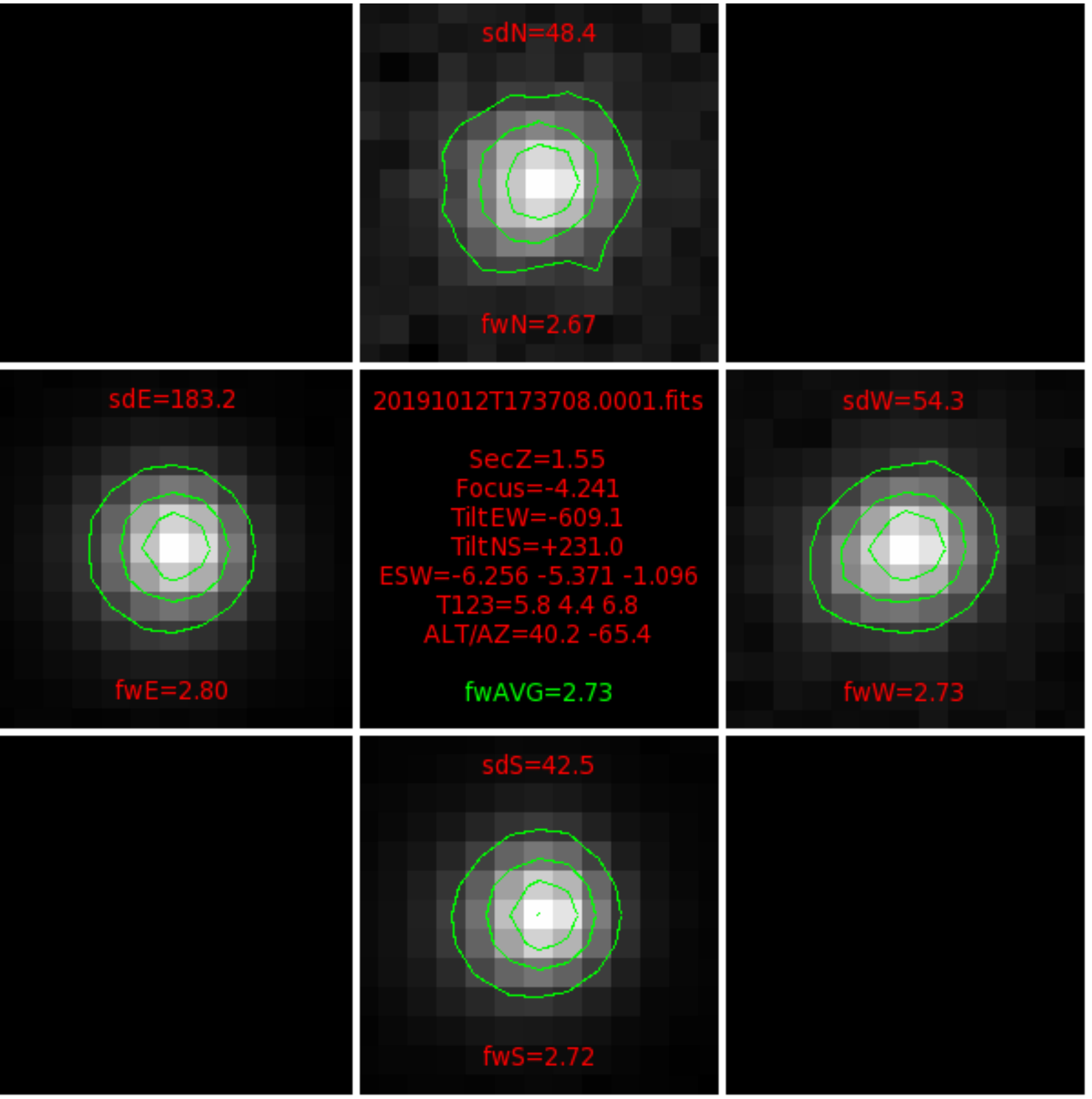
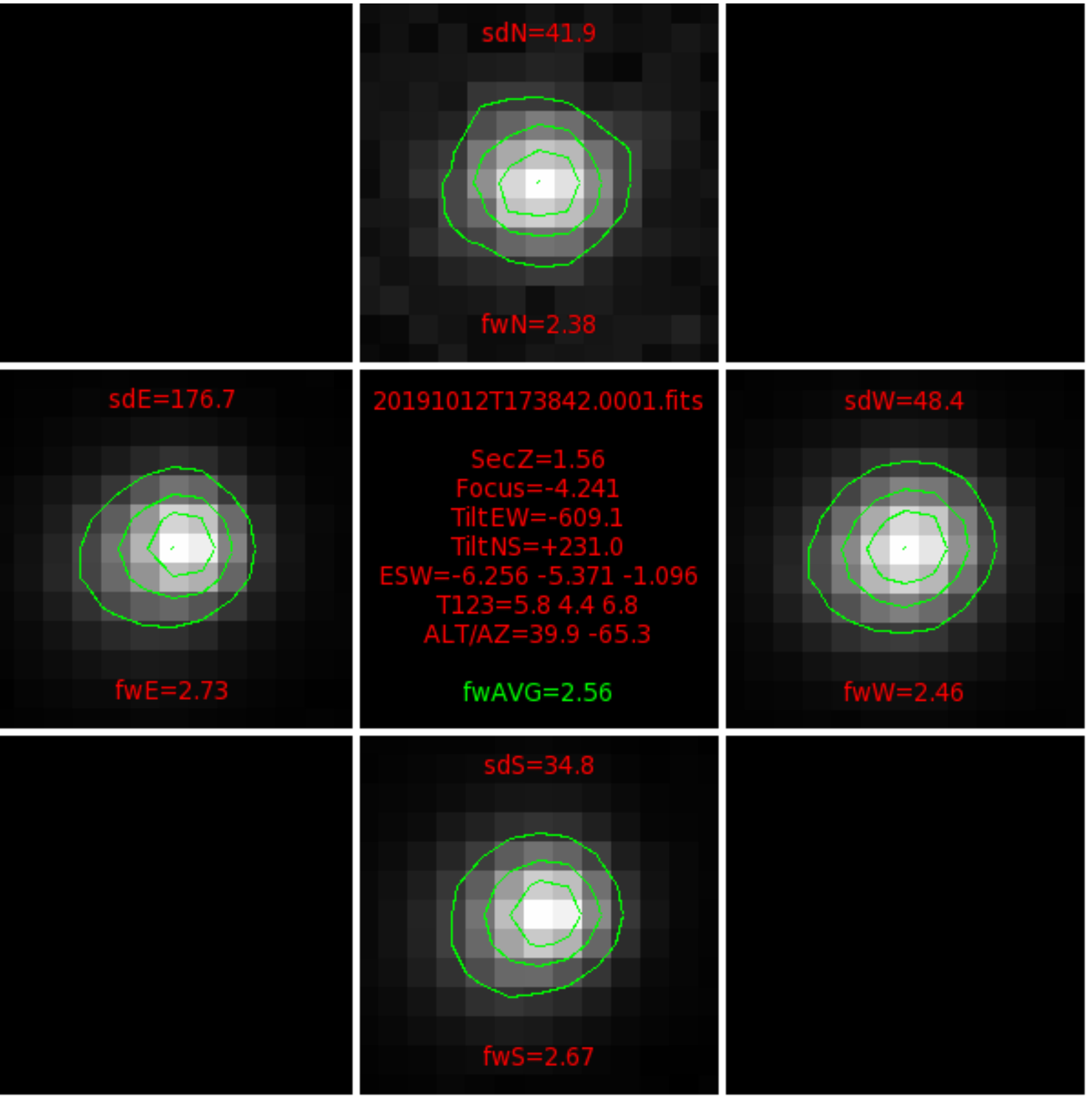
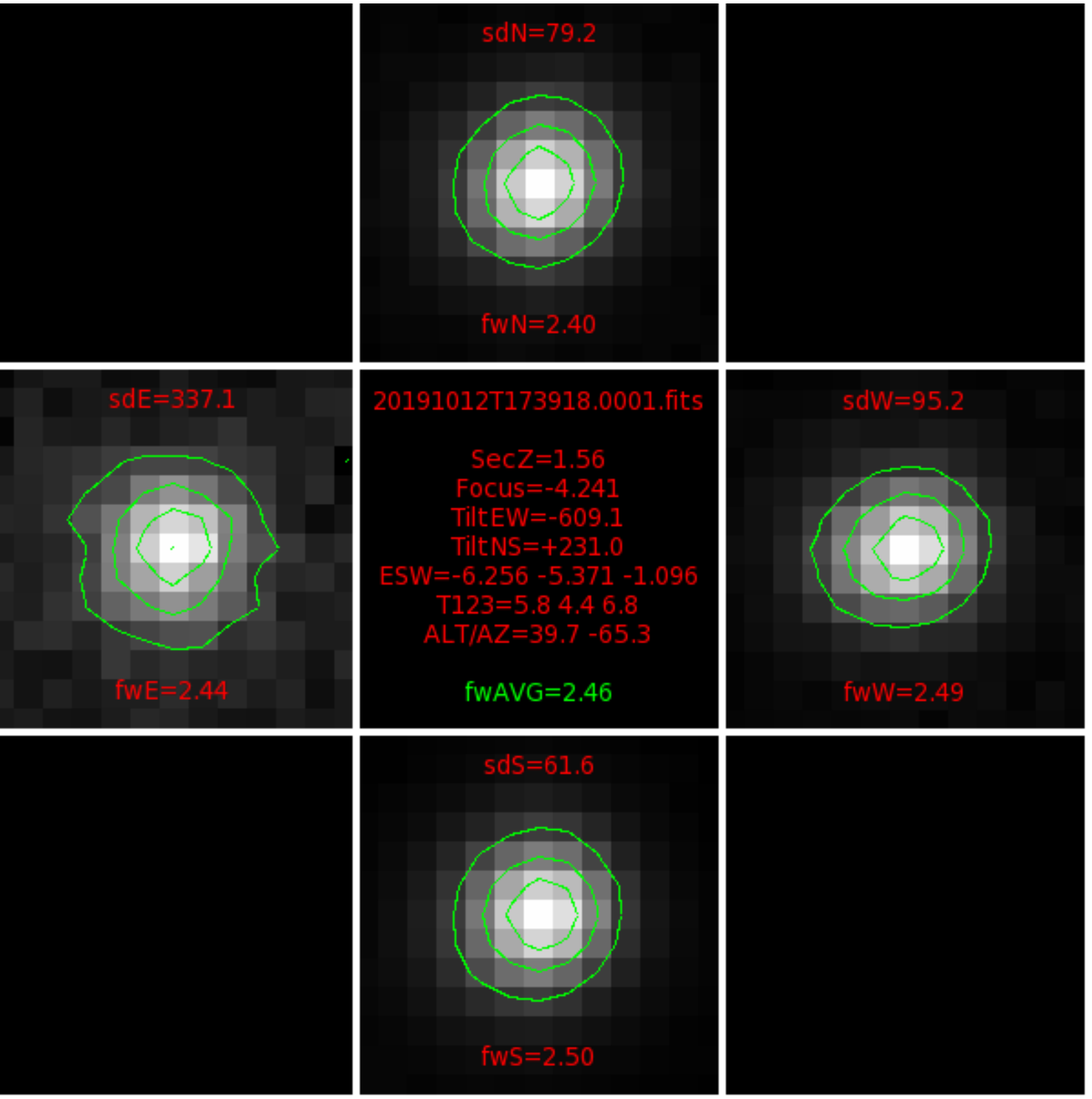
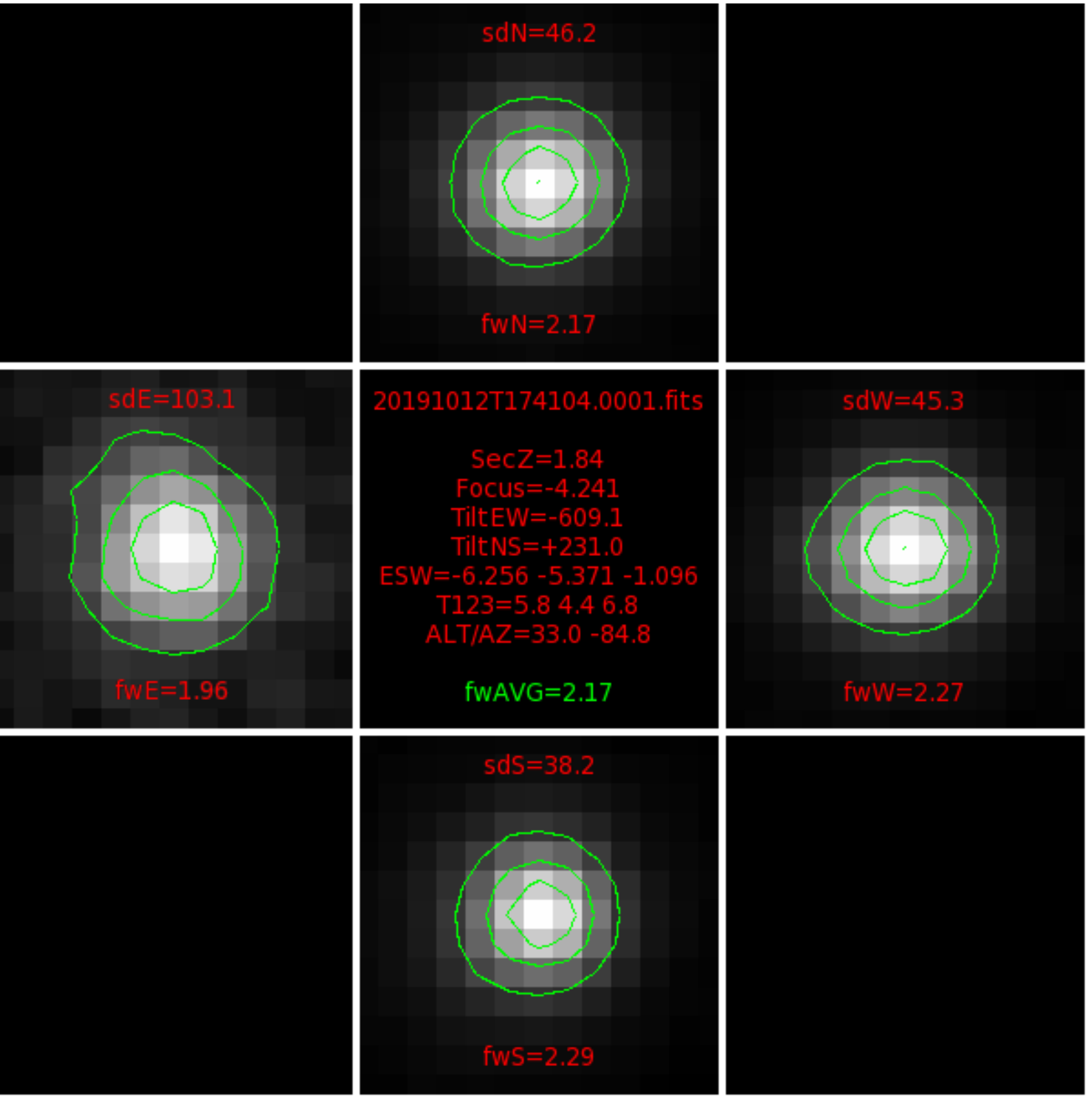
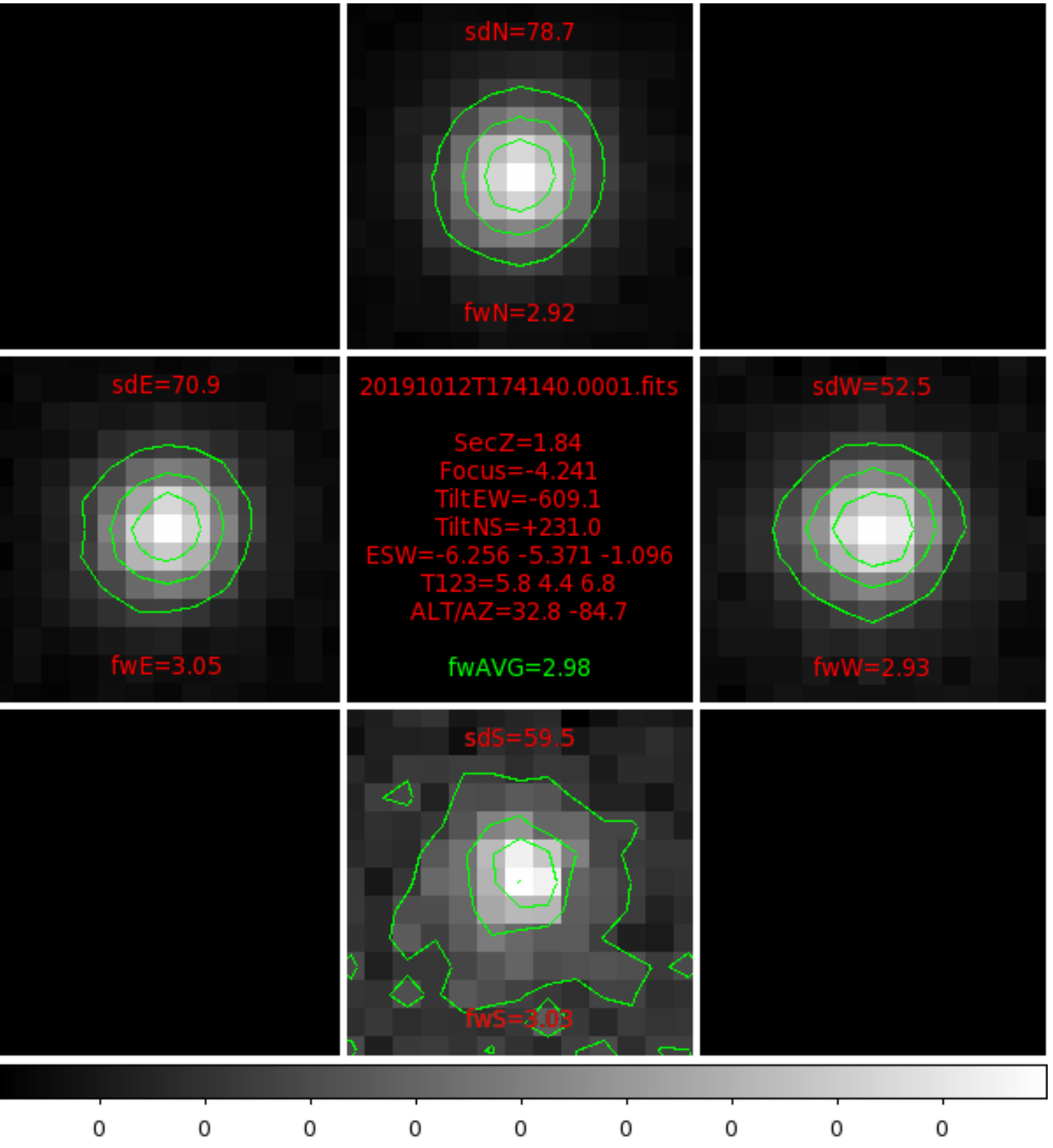

sdN=31.1
fwN=2.62
sdE=106.6
fwE=2.66
20191012T173631.0001.fits
SecZ=1.55
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.4 6.8
ALT/AZ=40.3 -65.4
fwAVG=2.71
sdW=31.7
fwW=2.91
sdS=28.7
fwS=2.65
0 0 0 0 0 0 0 0 0

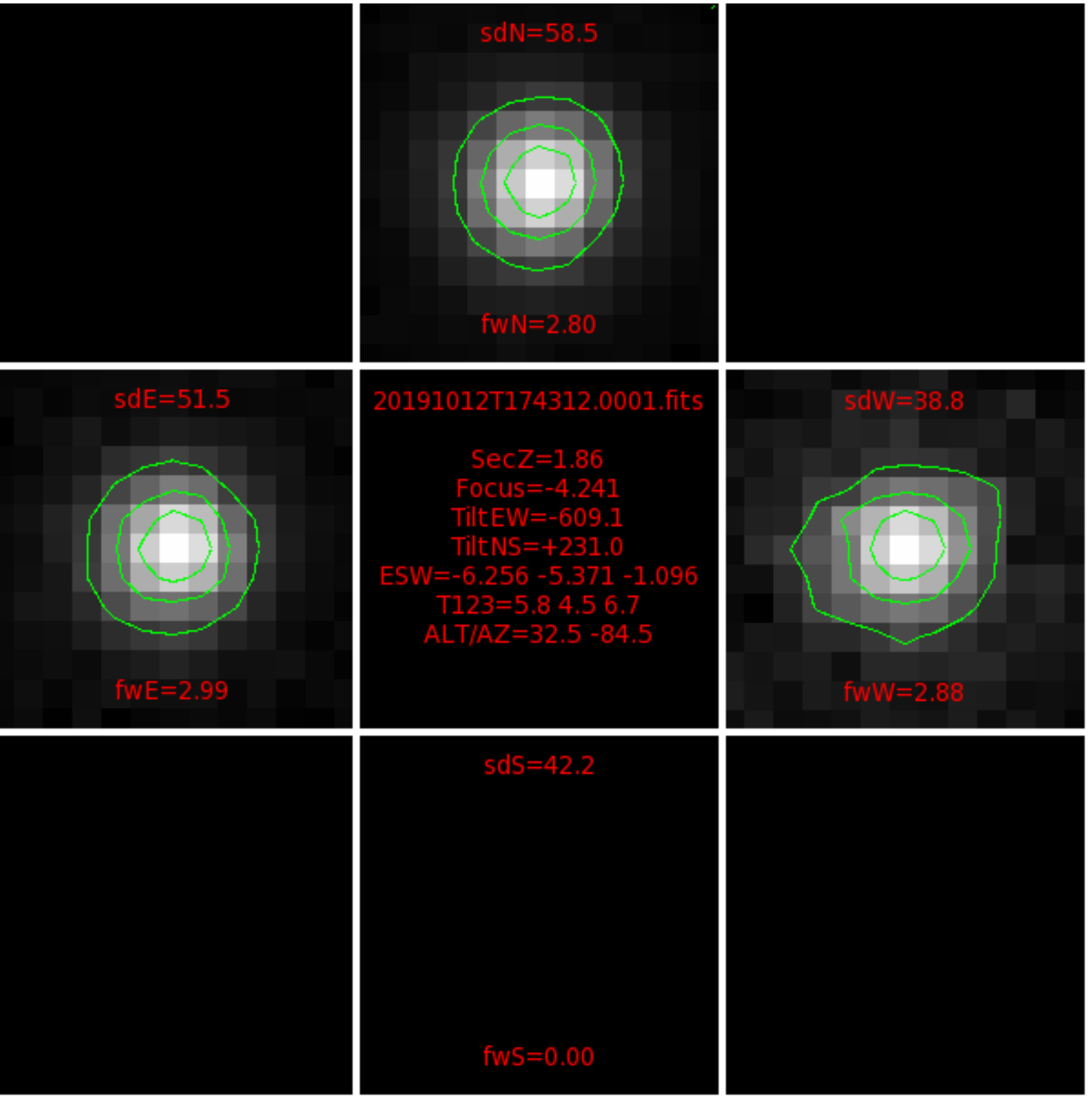

sdN=48.4
fwN=2.67
sdE=183.2
fwE=2.80
20191012T173708.0001.fits
SecZ=1.55
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.4 6.8
ALT/AZ=40.2 -65.4
fwAVG=2.73
sdW=54.3
fwW=2.73
sdS=42.5
fwS=2.72
0 0 0 0 0 0 0 0 0

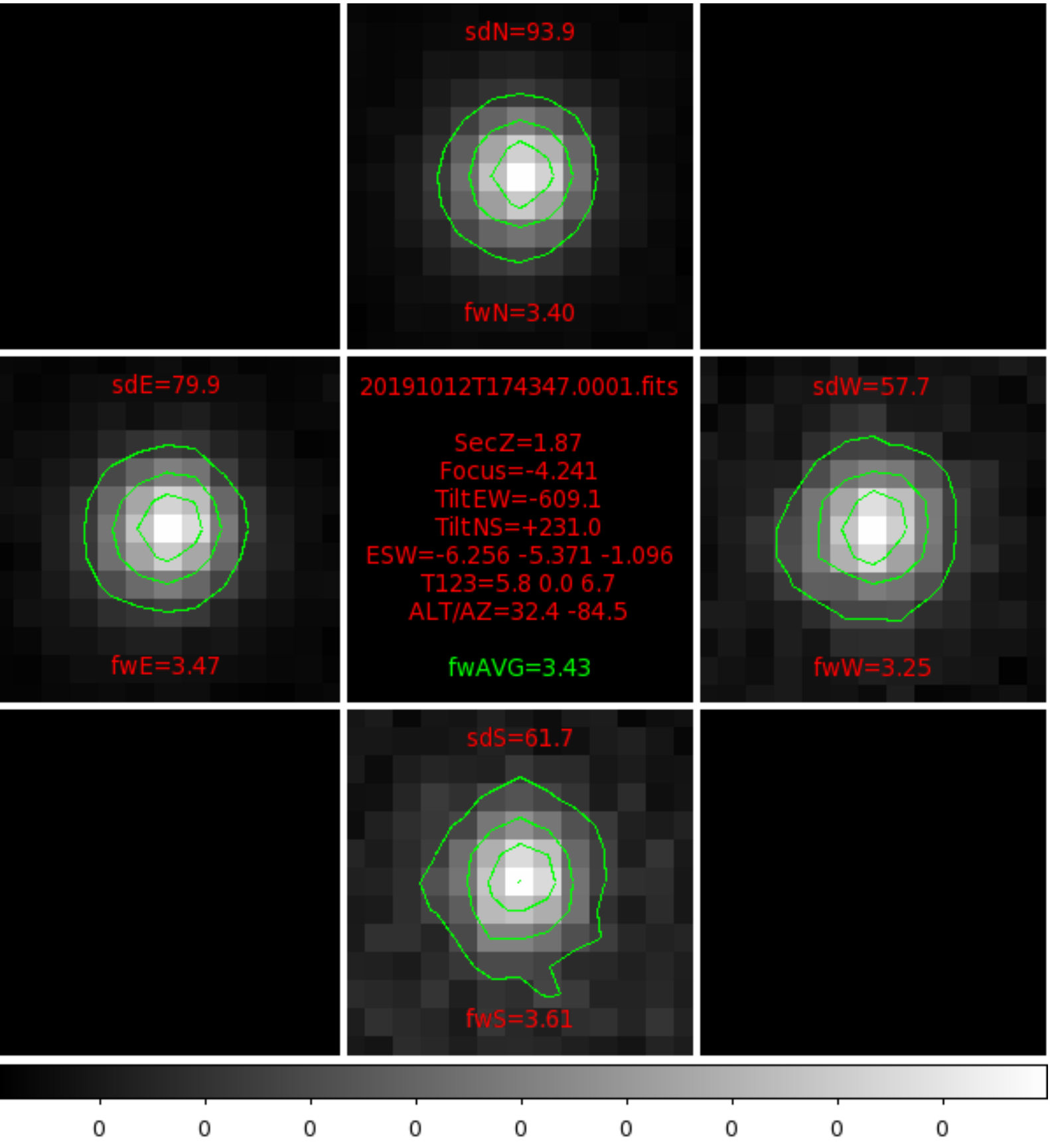

sdN=41.9
fwN=2.38
sdE=176.7
fwE=2.73
20191012T173842.0001.fits
SecZ=1.56
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.4 6.8
ALT/AZ=39.9 -65.3
fwAVG=2.56
sdW=48.4
fwW=2.46
sdS=34.8
fwS=2.67
0 0 0 0 0 0 0 0 0

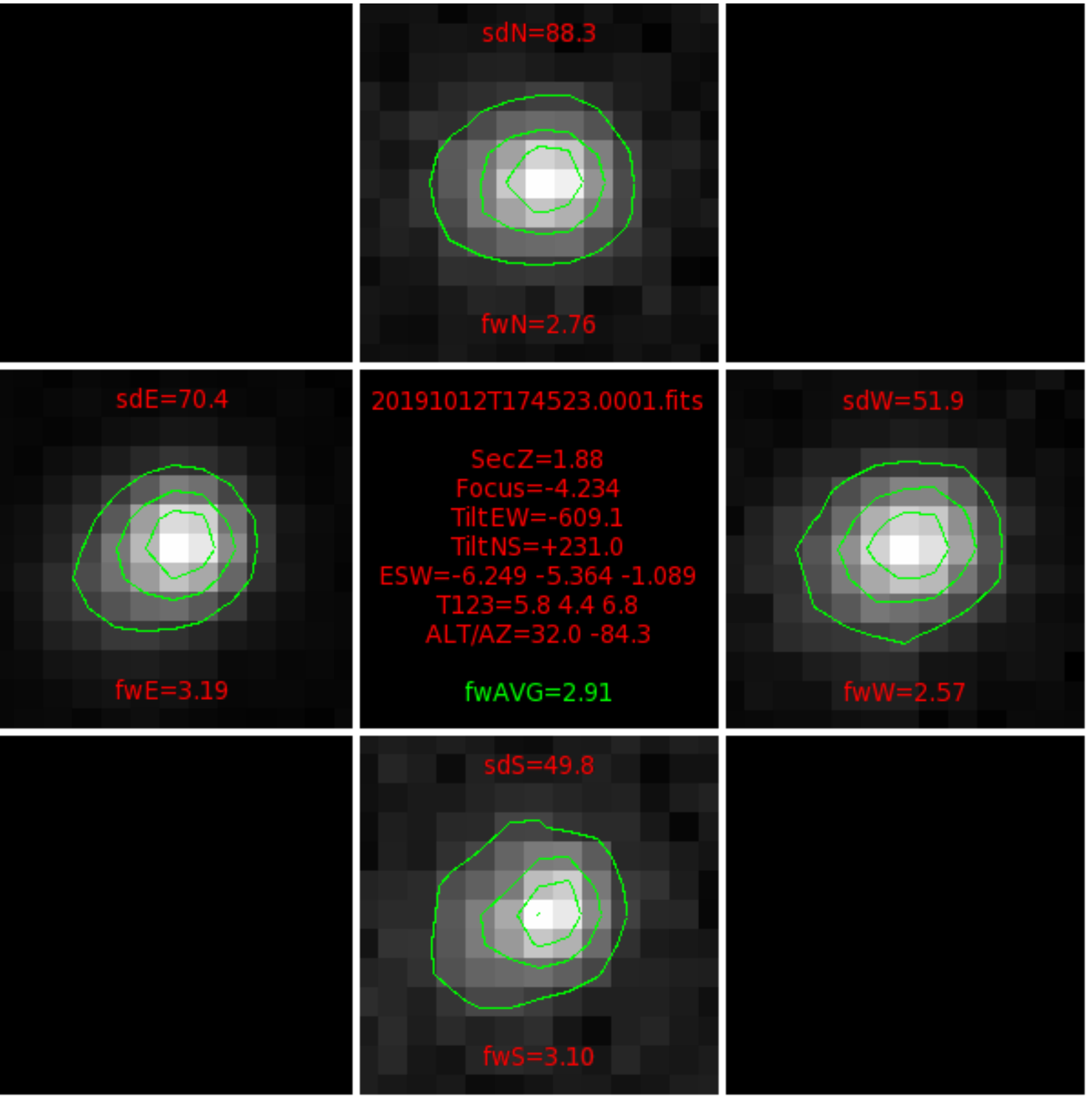

sdN=79.2
fwN=2.40
sdE=337.1
fwE=2.44
20191012T173918.0001.fits
SecZ=1.56
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.4 6.8
ALT/AZ=39.7 -65.3
fwAVG=2.46
sdW=95.2
fwW=2.49
sdS=61.6
fwS=2.50
0 0 0 0 0 0 0 0 0


sdN=46.2
fwN=2.17
sdE=103.1
fwE=1.96
20191012T174104.0001.fits
SecZ=1.84
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.4 6.8
ALT/AZ=33.0 -84.8
fwAVG=2.17
sdW=45.3
fwW=2.27
sdS=38.2
fwS=2.29
0 0 0 0 0 0 0 0 0


sdN=78.7
fwN=2.92
sdE=70.9
fwE=3.05
20191012T174140.0001.fits
SecZ=1.84
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.4 6.8
ALT/AZ=32.8 -84.7
fwAVG=2.98
sdW=52.5
fwW=2.93
sdS=59.5
fwS=3.03
0 0 0 0 0 0 0 0 0


sdN=58.5
fwN=2.80
sdE=51.5
fwE=2.99
20191012T174312.0001.fits
SecZ=1.86
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.5 6.7
ALT/AZ=32.5 -84.5
sdW=38.8
fwW=2.88
sdS=42.2
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=93.9
fwN=3.40
sdE=79.9
fwE=3.47
20191012T174347.0001.fits
SecZ=1.87
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 0.0 6.7
ALT/AZ=32.4 -84.5
fwAVG=3.43
sdW=57.7
fwW=3.25
sdS=61.7
fwS=3.61
0 0 0 0 0 0 0 0 0


sdN=88.3
fwN=2.76
sdE=70.4
fwE=3.19
20191012T174523.0001.fits
SecZ=1.88
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.4 6.8
ALT/AZ=32.0 -84.3
fwAVG=2.91
sdW=51.9
fwW=2.57
sdS=49.8
fwS=3.10
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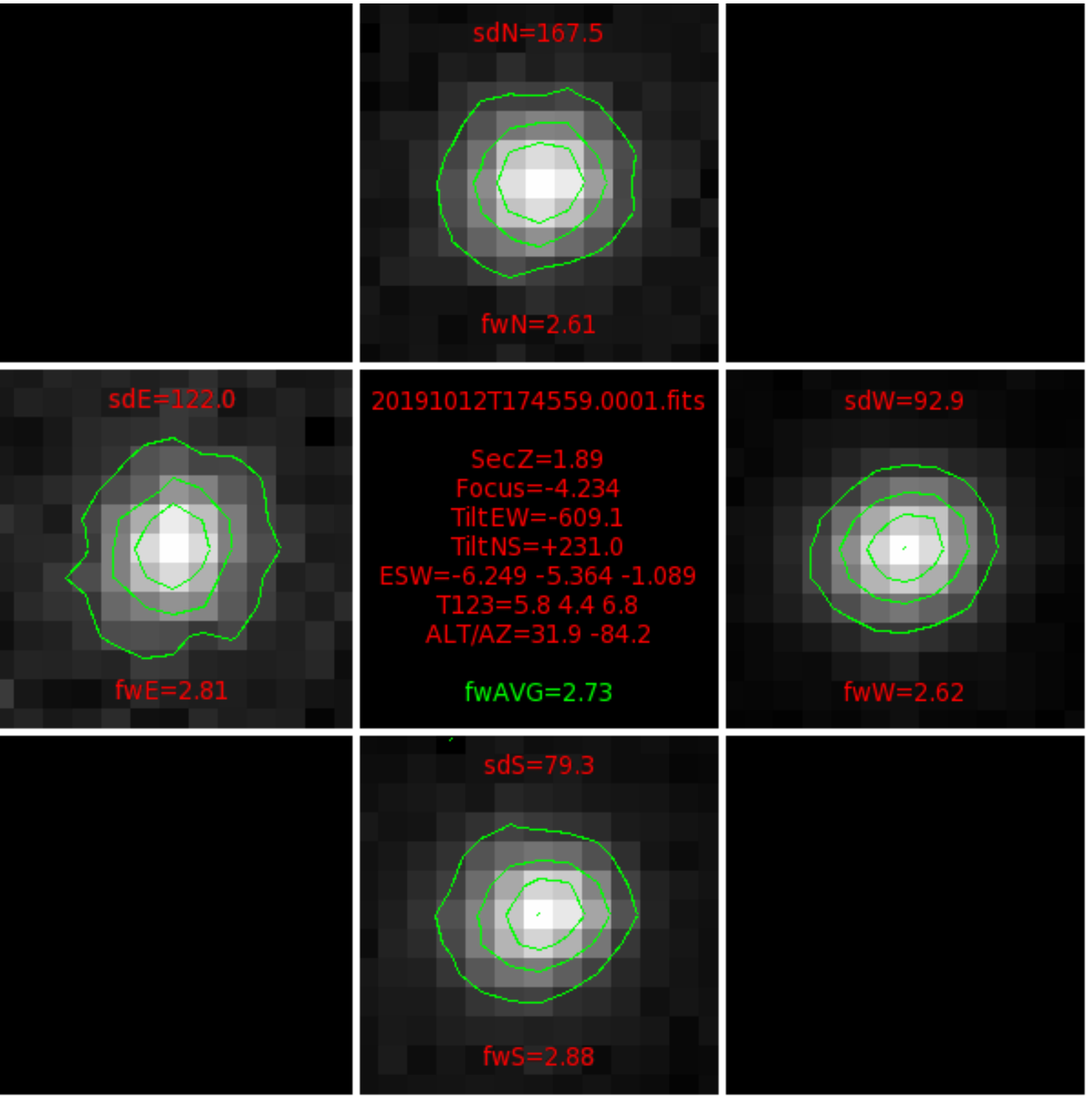
sdN=167.5
fwN=2.61
sdE=122.0
fwE=2.81
20191012T174559.0001.fits
SecZ=1.89
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.4 6.8
ALT/AZ=31.9 -84.2
fwAVG=2.73
sdW=92.9
fwW=2.62
sdS=79.3
fwS=2.88
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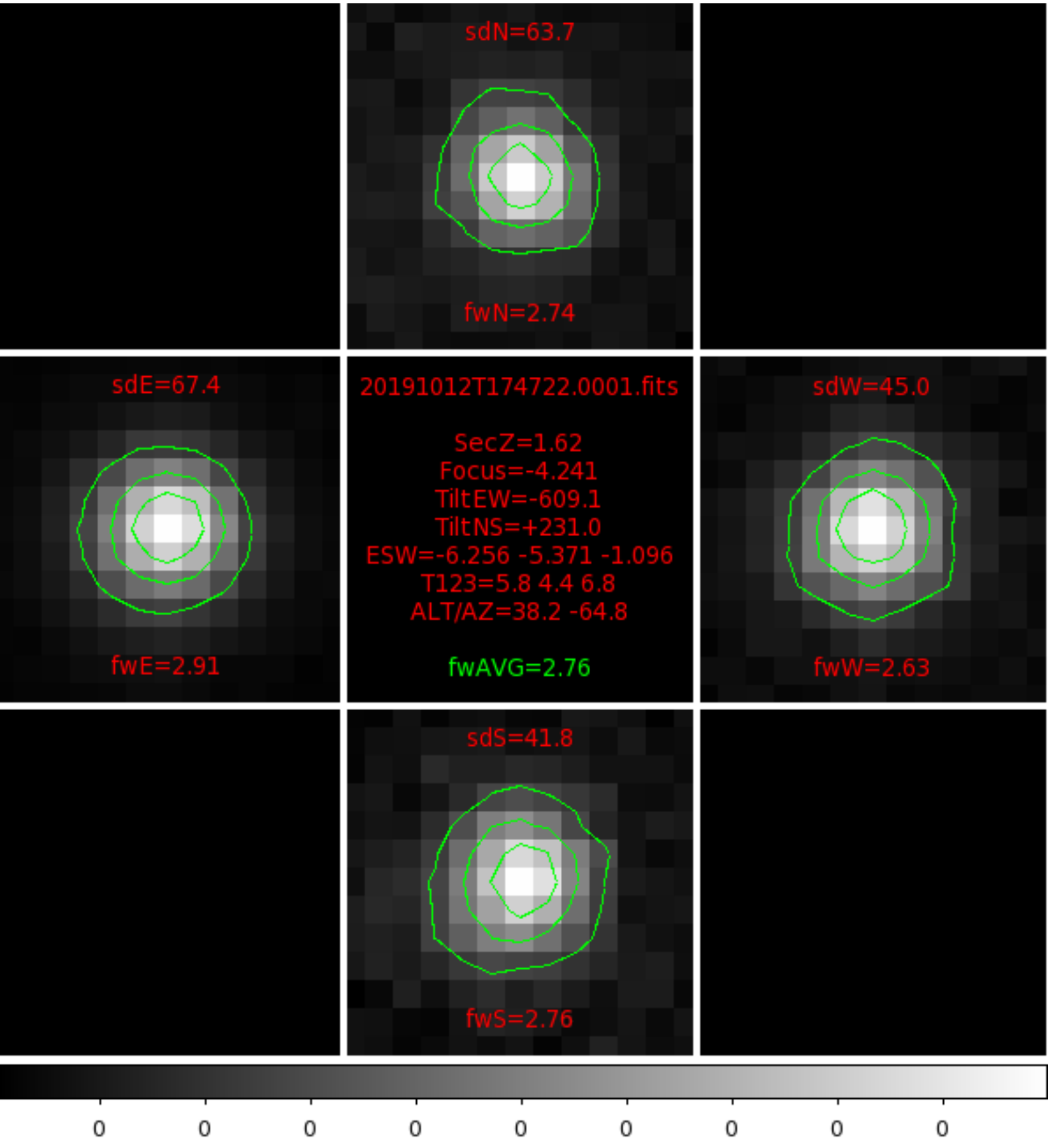
sdN=63.7
fwN=2.74
sdE=67.4
fwE=2.91
20191012T174722.0001.fits
SecZ=1.62
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.4 6.8
ALT/AZ=38.2 -64.8
fwAVG=2.76
sdW=45.0
fwW=2.63
sdS=41.8
fwS=2.76
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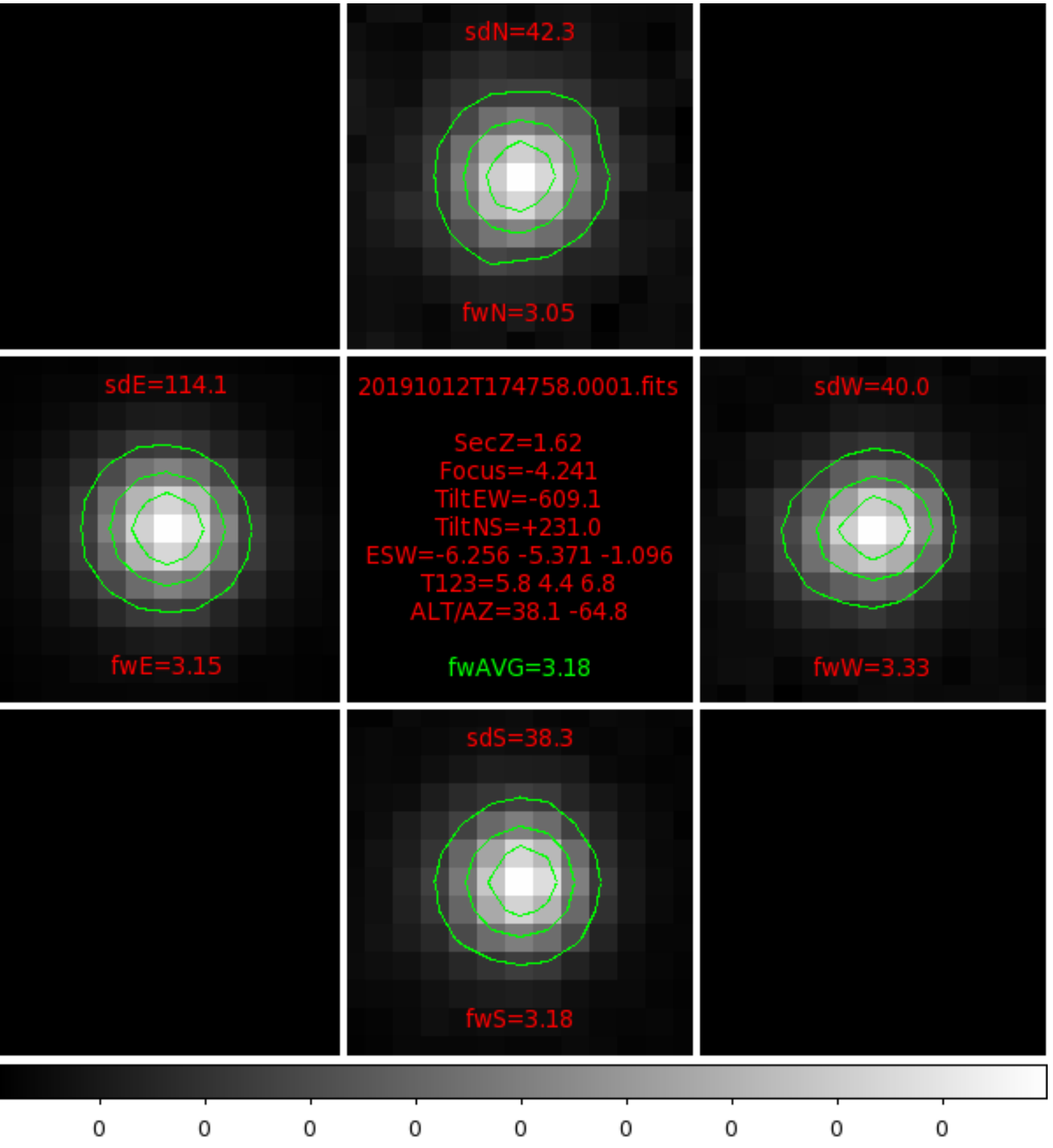
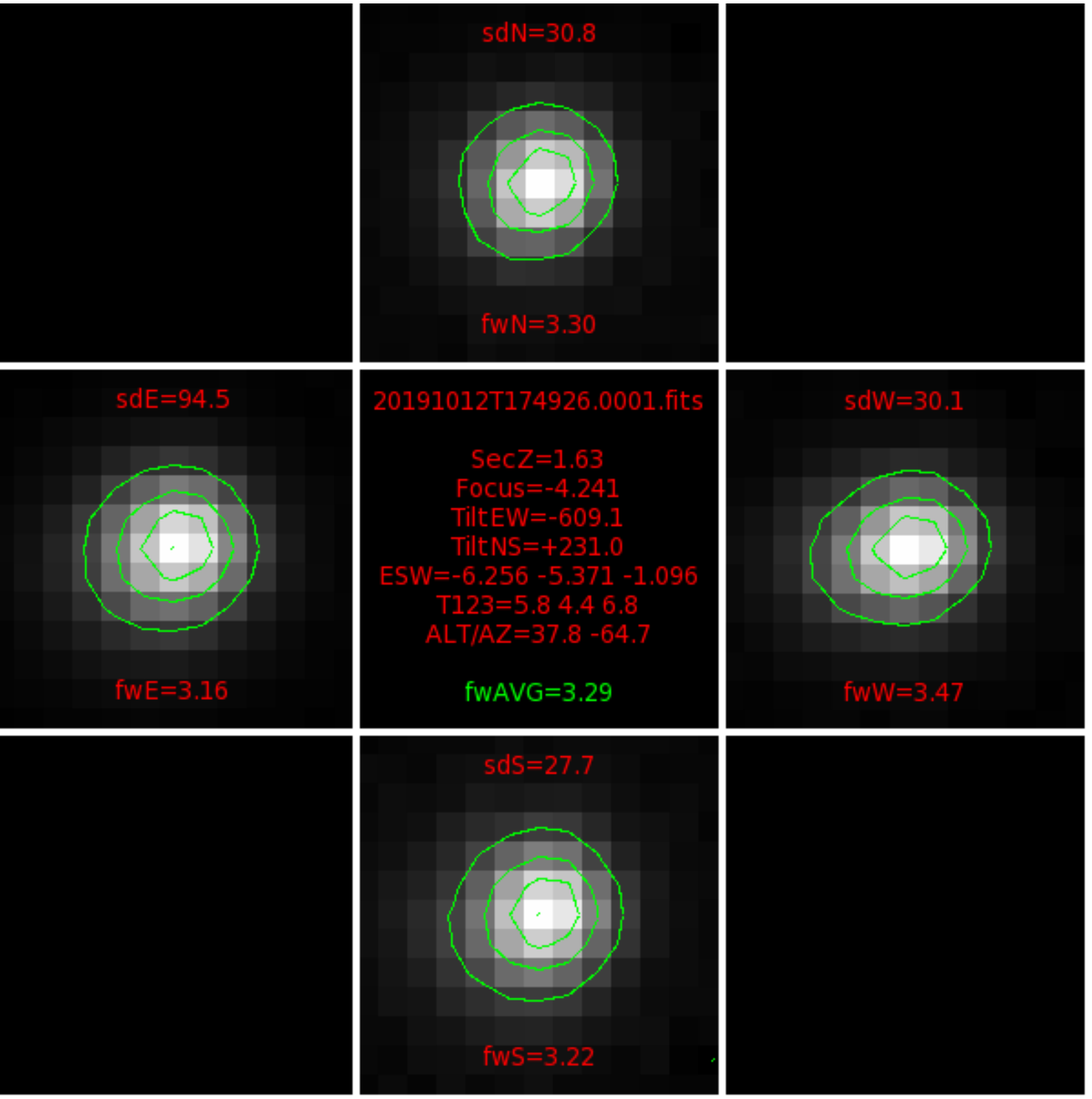

sdN=42.3
fwN=3.05
sdE=114.1
fwE=3.15
20191012T174758.0001.fits
SecZ=1.62
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.4 6.8
ALT/AZ=38.1 -64.8
fwAVG=3.18
sdW=40.0
fwW=3.33
sdS=38.3
fwS=3.18
0 0 0 0 0 0 0 0 0


sdN=30.8
fwN=3.30
sdE=94.5
fwE=3.16
20191012T174926.0001.fits
SecZ=1.63
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.4 6.8
ALT/AZ=37.8 -64.7
fwAVG=3.29
sdW=30.1
fwW=3.47
sdS=27.7
fwS=3.22
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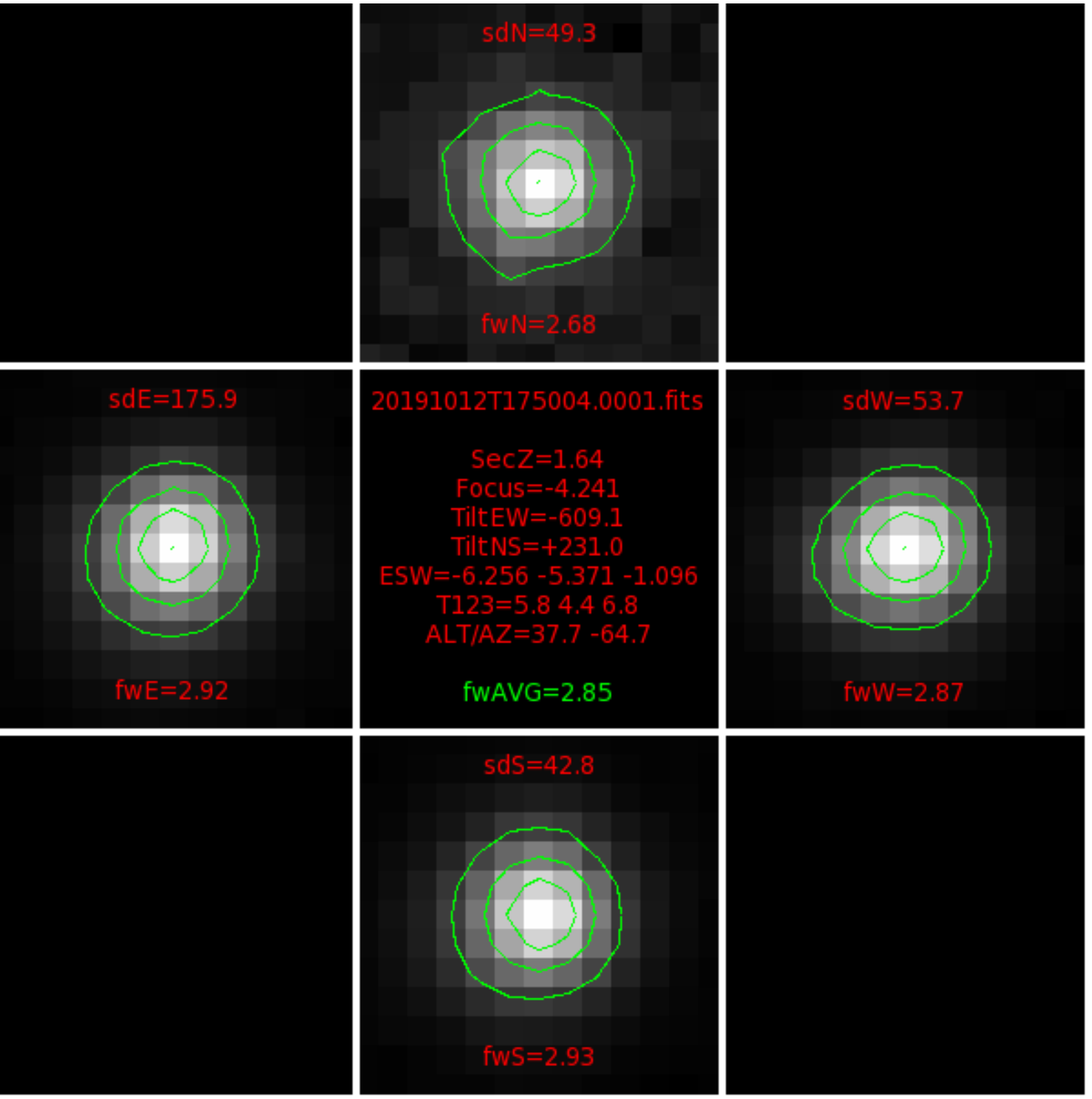
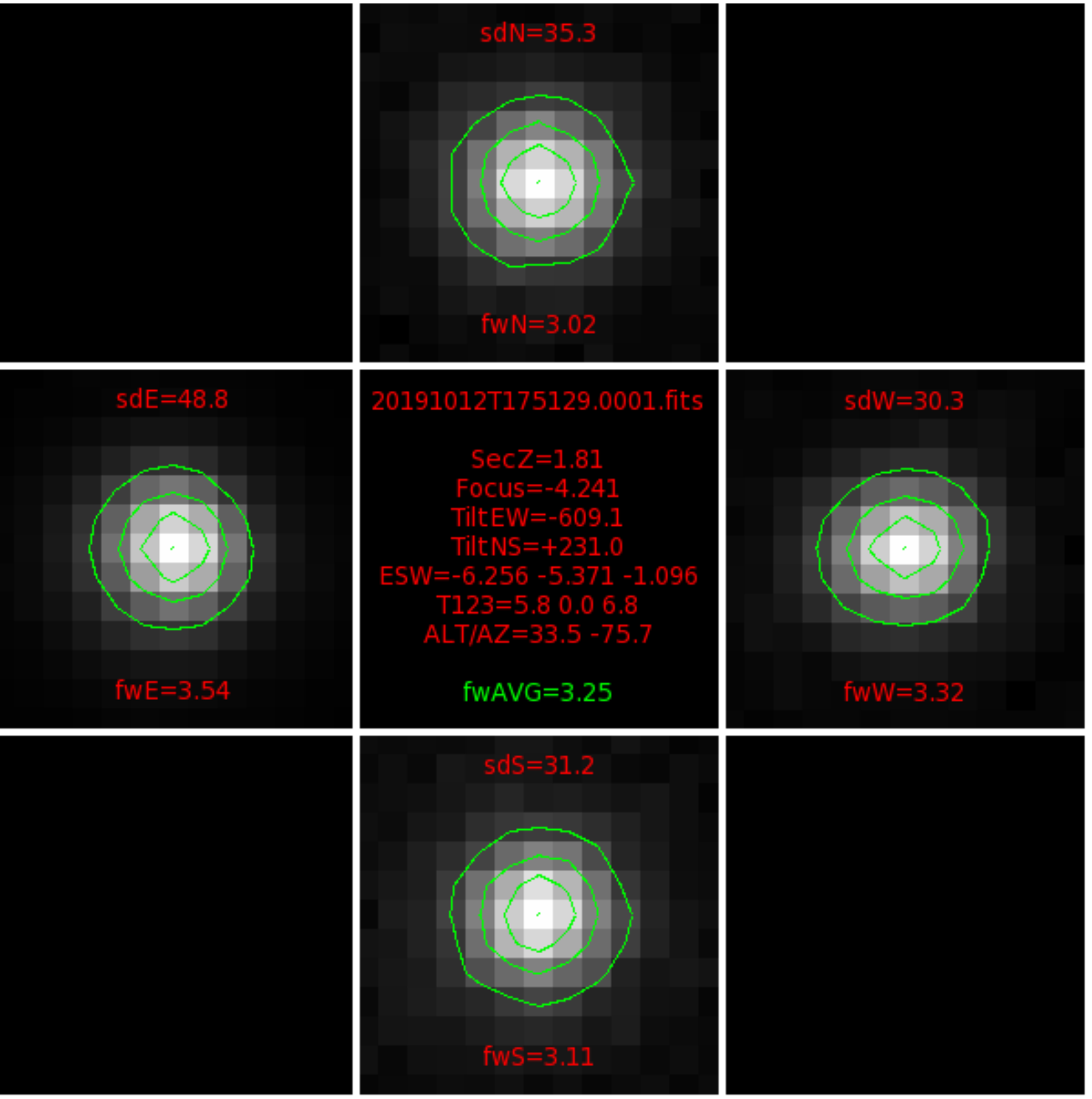

sdN=49.3
fwN=2.68
sdE=175.9
fwE=2.92
20191012T175004.0001.fits
SecZ=1.64
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.4 6.8
ALT/AZ=37.7 -64.7
fwAVG=2.85
sdW=53.7
fwW=2.87
sdS=42.8
fwS=2.93
0 0 0 0 0 0 0 0 0


sdN=35.3
fwN=3.02
sdE=48.8
fwE=3.54
20191012T175129.0001.fits
SecZ=1.81
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 0.0 6.8
ALT/AZ=33.5 -75.7
fwAVG=3.25
sdW=30.3
fwW=3.32
sdS=31.2
fwS=3.11
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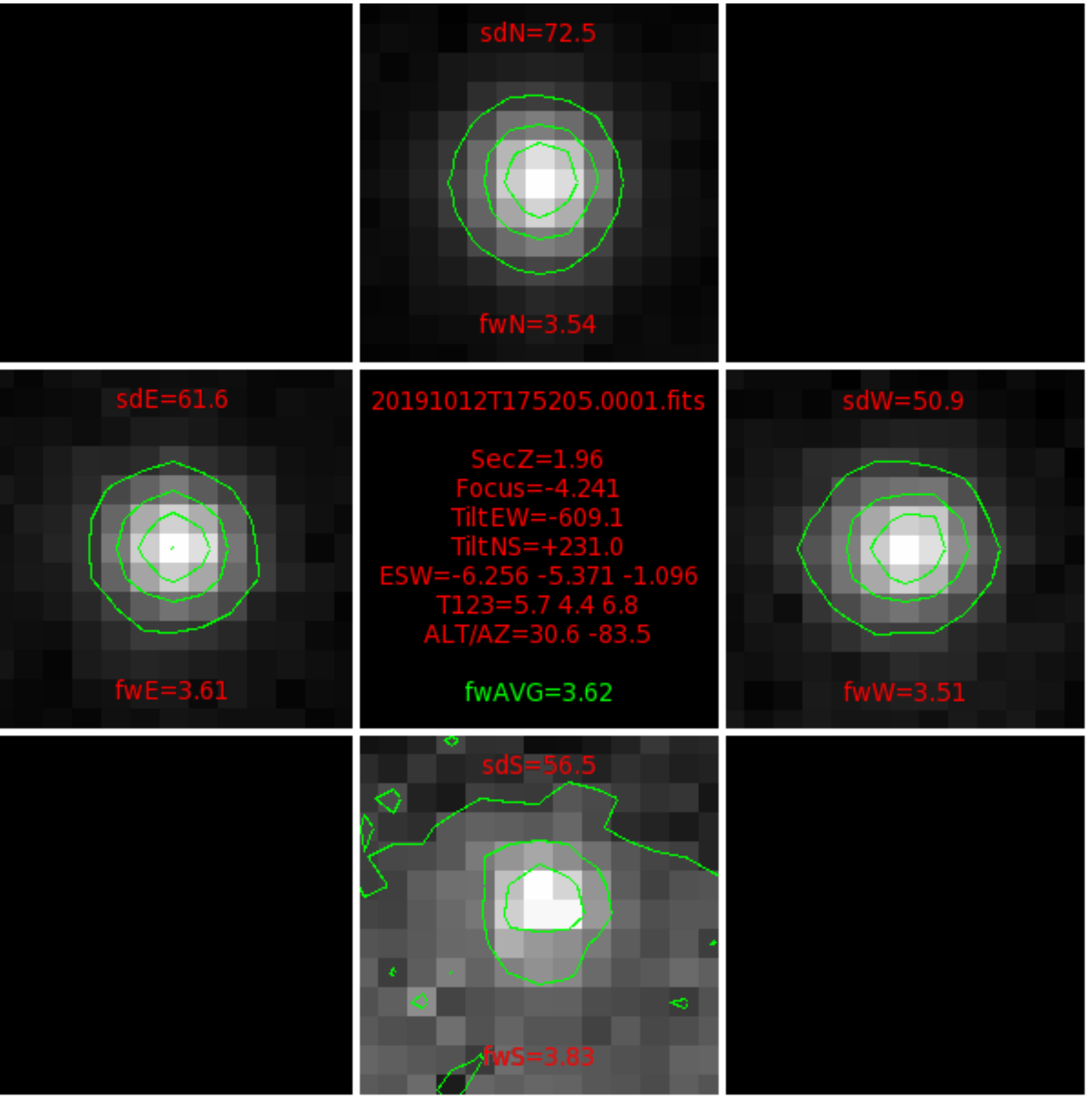
sdN=72.5
fwN=3.54
sdE=61.6
fwE=3.61
20191012T175205.0001.fits
SecZ=1.96
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.7 4.4 6.8
ALT/AZ=30.6 -83.5
fwAVG=3.62
sdW=50.9
fwW=3.51
sdS=56.5
fwS=3.83
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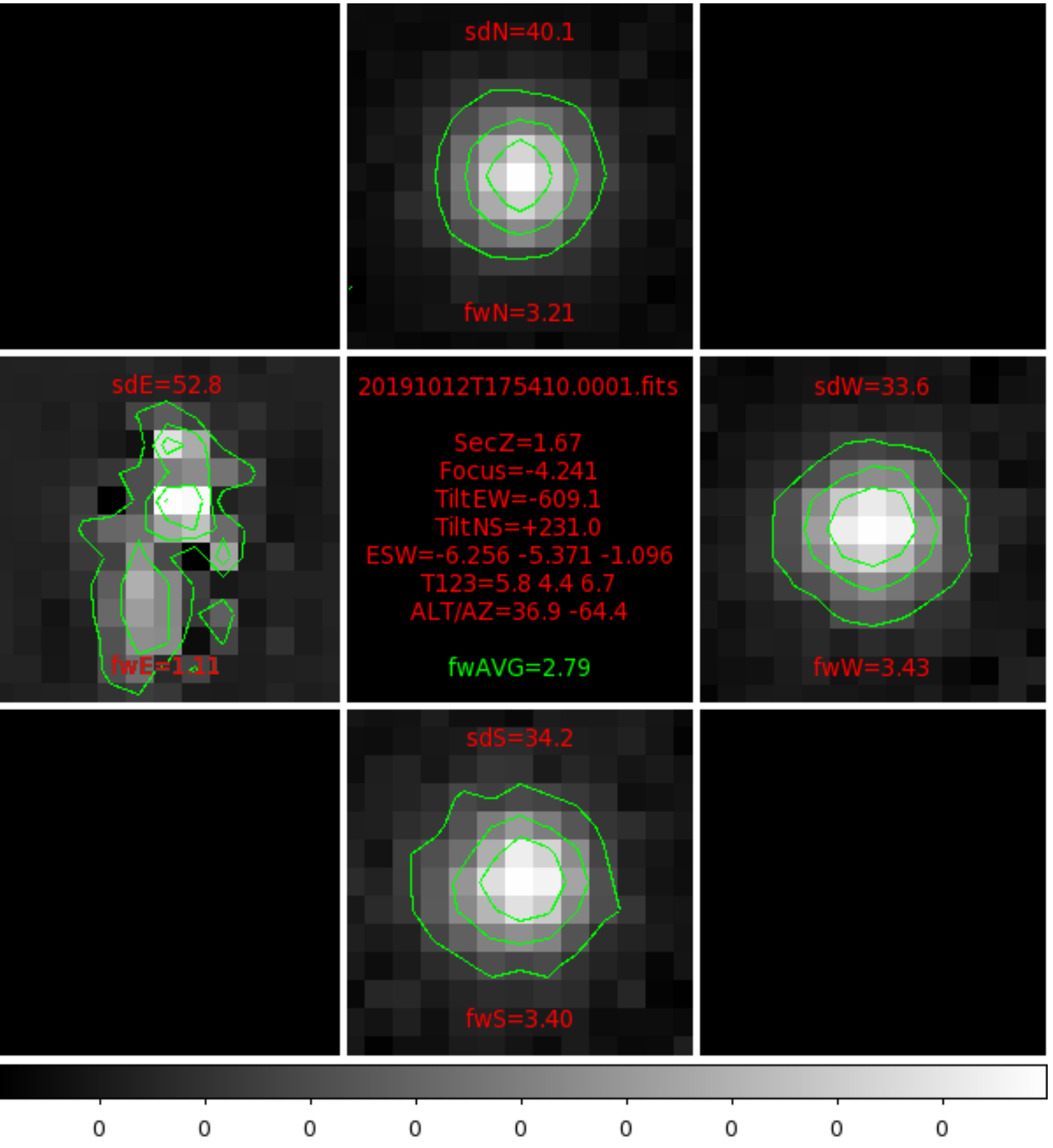
sdN=40.1
fwN=3.21
sdE=52.8
fwE=1.11
20191012T175410.0001.fits
SecZ=1.67
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.4 6.7
ALT/AZ=36.9 -64.4
fwAVG=2.79
sdW=33.6
fwW=3.43
sdS=34.2
fwS=3.40
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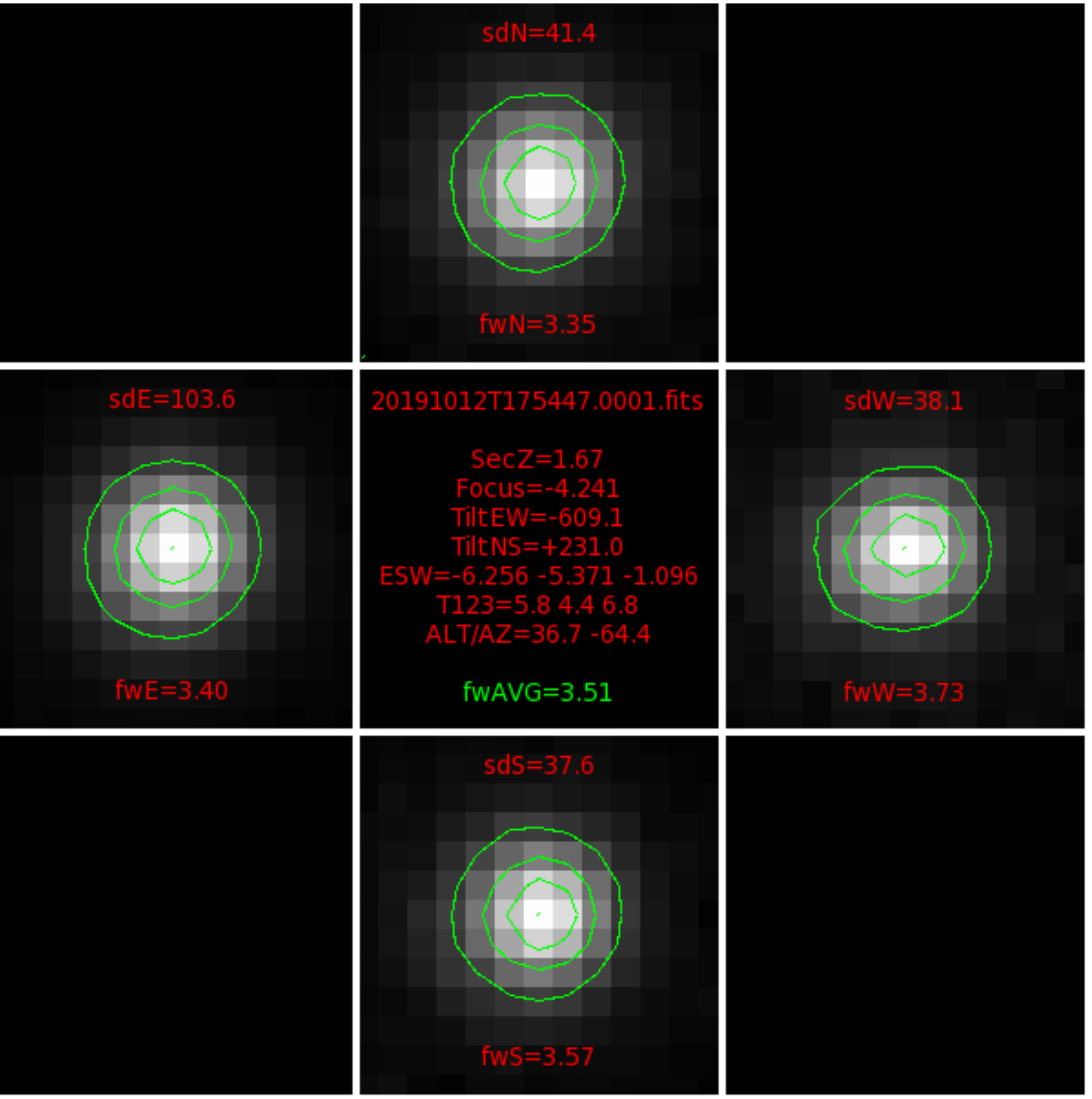
sdN=41.4
fwN=3.35
sdE=103.6
fwE=3.40
20191012T175447.0001.fits
SecZ=1.67
Focus=-4.241
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.256 -5.371 -1.096
T123=5.8 4.4 6.8
ALT/AZ=36.7 -64.4
fwAVG=3.51
sdW=38.1
fwW=3.73
sdS=37.6
fwS=3.57
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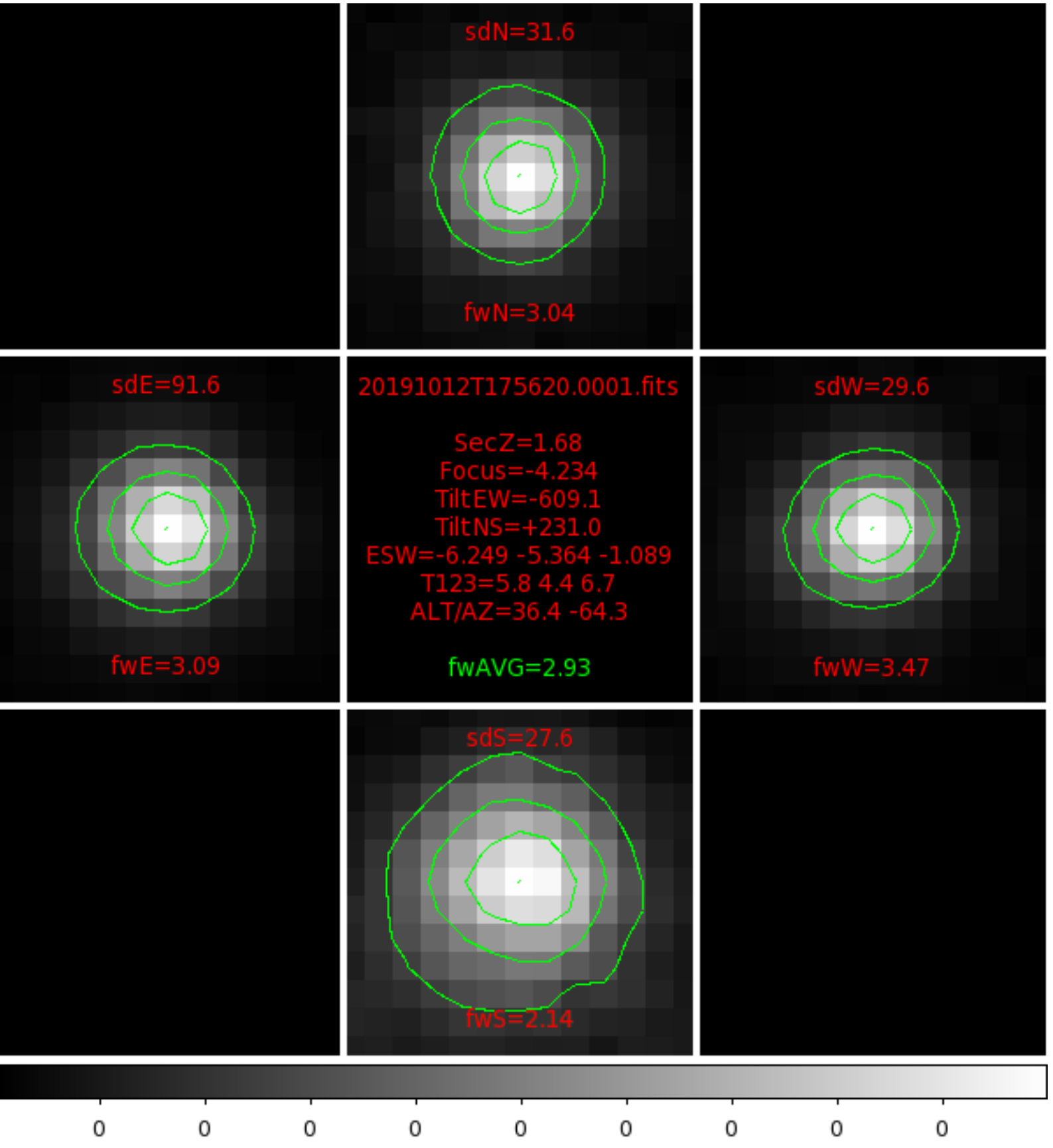
sdN=31.6
fwN=3.04
sdE=91.6
fwE=3.09
20191012T175620.0001.fits
SecZ=1.68
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.8 4.4 6.7
ALT/AZ=36.4 -64.3
fwAVG=2.93
sdW=29.6
fwW=3.47
sdS=27.6
fwS=2.14
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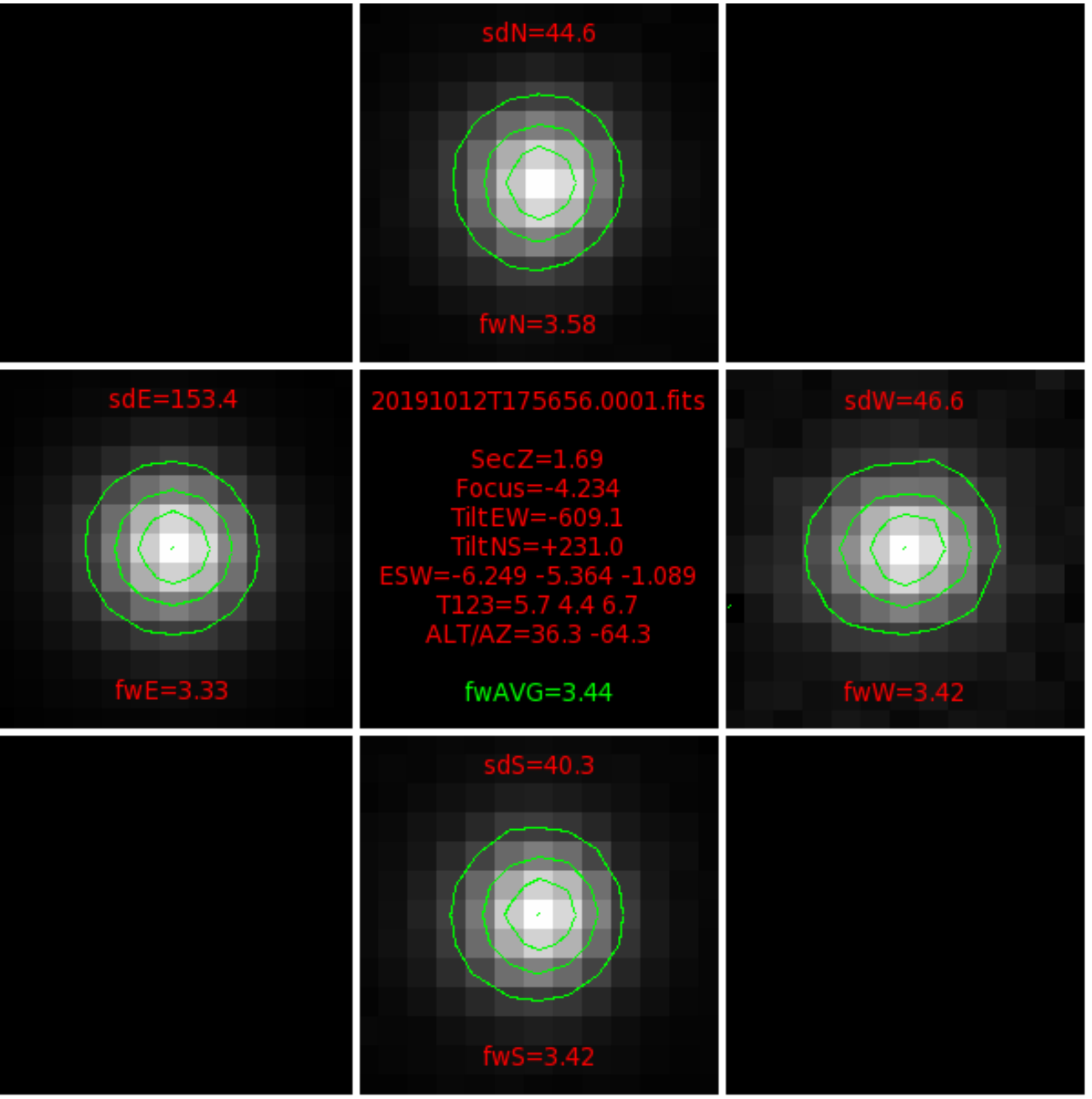
sdN=44.6
fwN=3.58
sdE=153.4
fwE=3.33
20191012T175656.0001.fits
SecZ=1.69
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.7 4.4 6.7
ALT/AZ=36.3 -64.3
fwAVG=3.44
sdW=46.6
fwW=3.42
sdS=40.3
fwS=3.42
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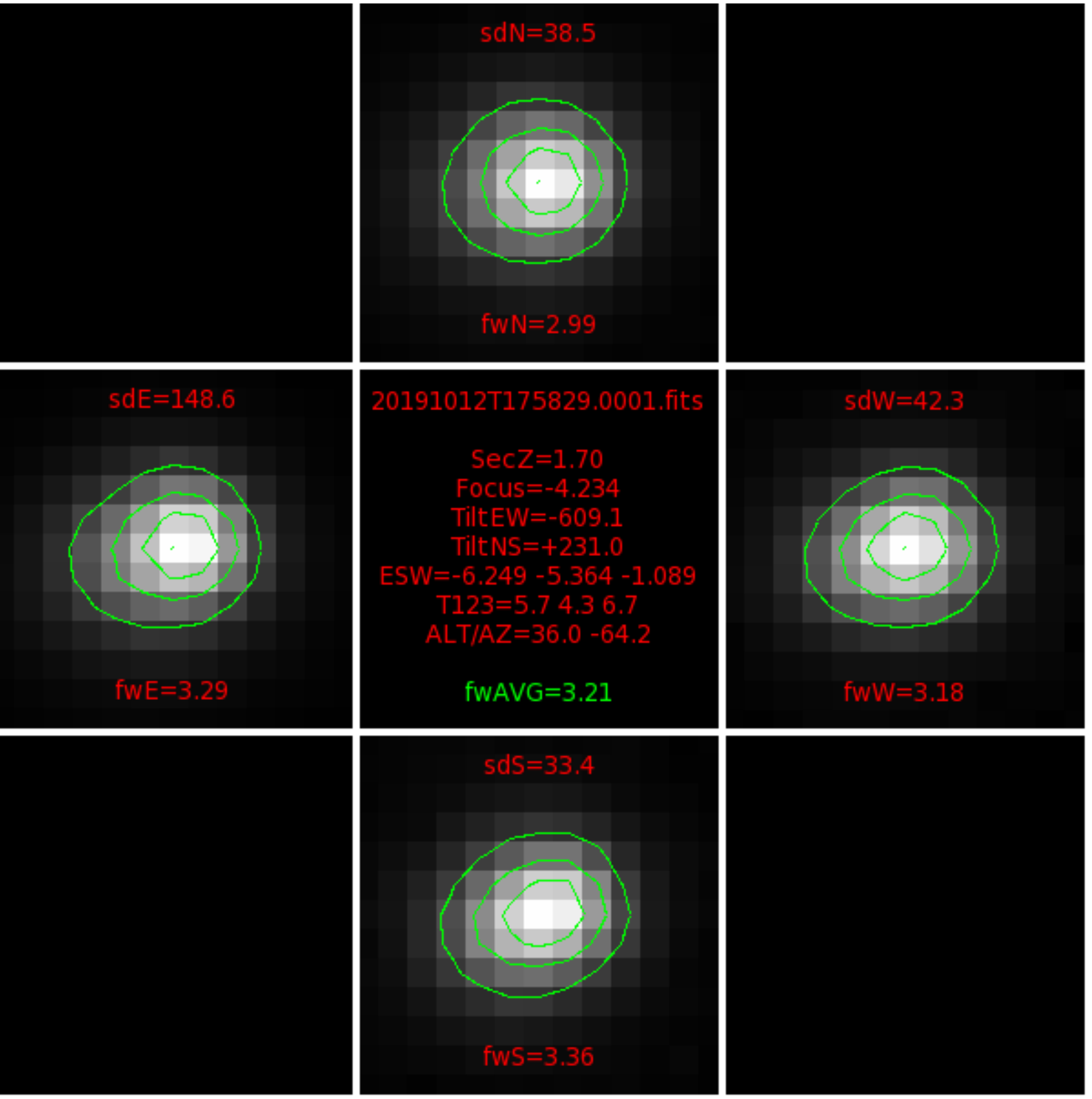
sdN=38.5
fwN=2.99
sdE=148.6
fwE=3.29
20191012T175829.0001.fits
SecZ=1.70
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.7 4.3 6.7
ALT/AZ=36.0 -64.2
fwAVG=3.21
sdW=42.3
fwW=3.18
sdS=33.4
fwS=3.36
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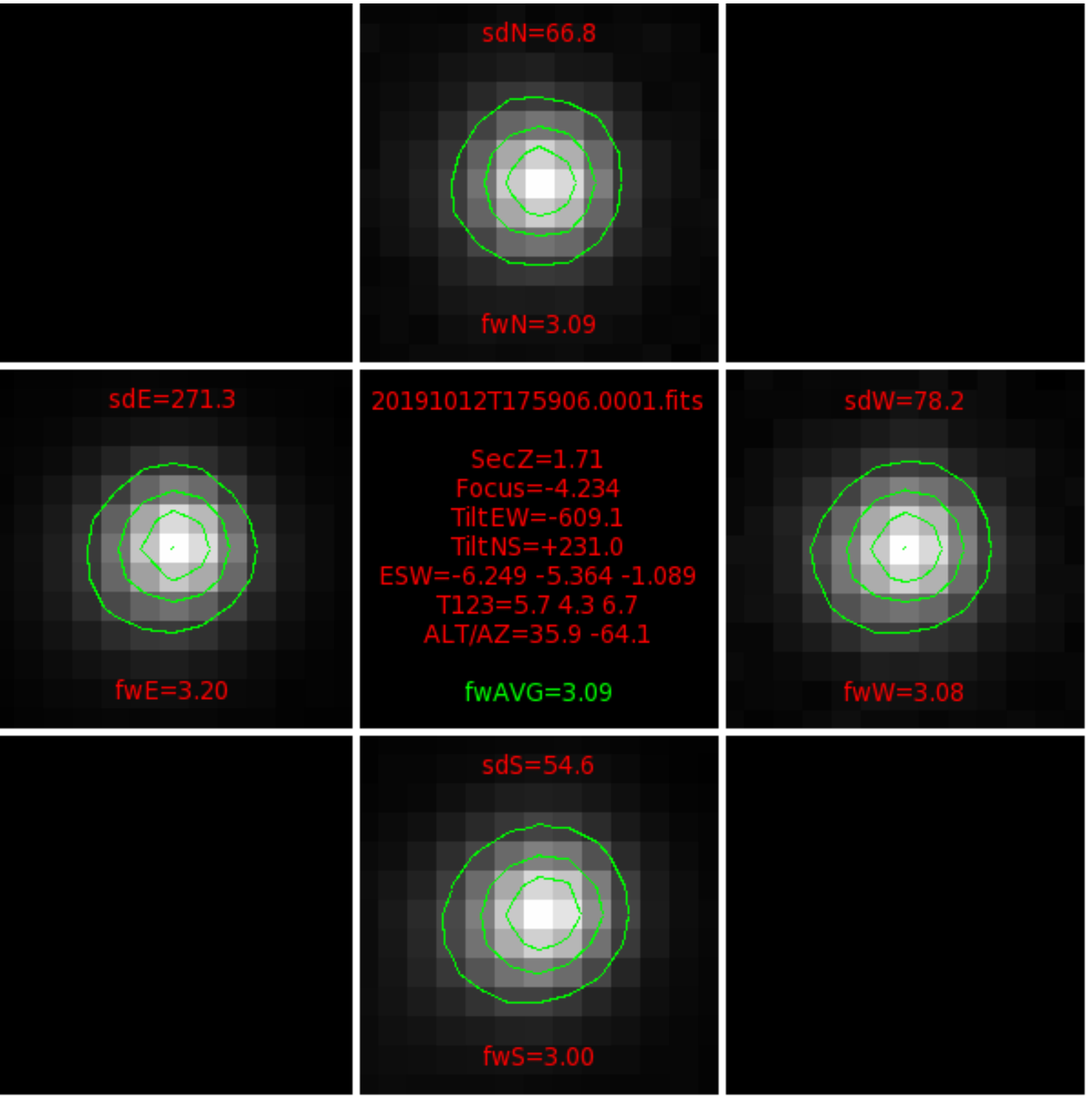
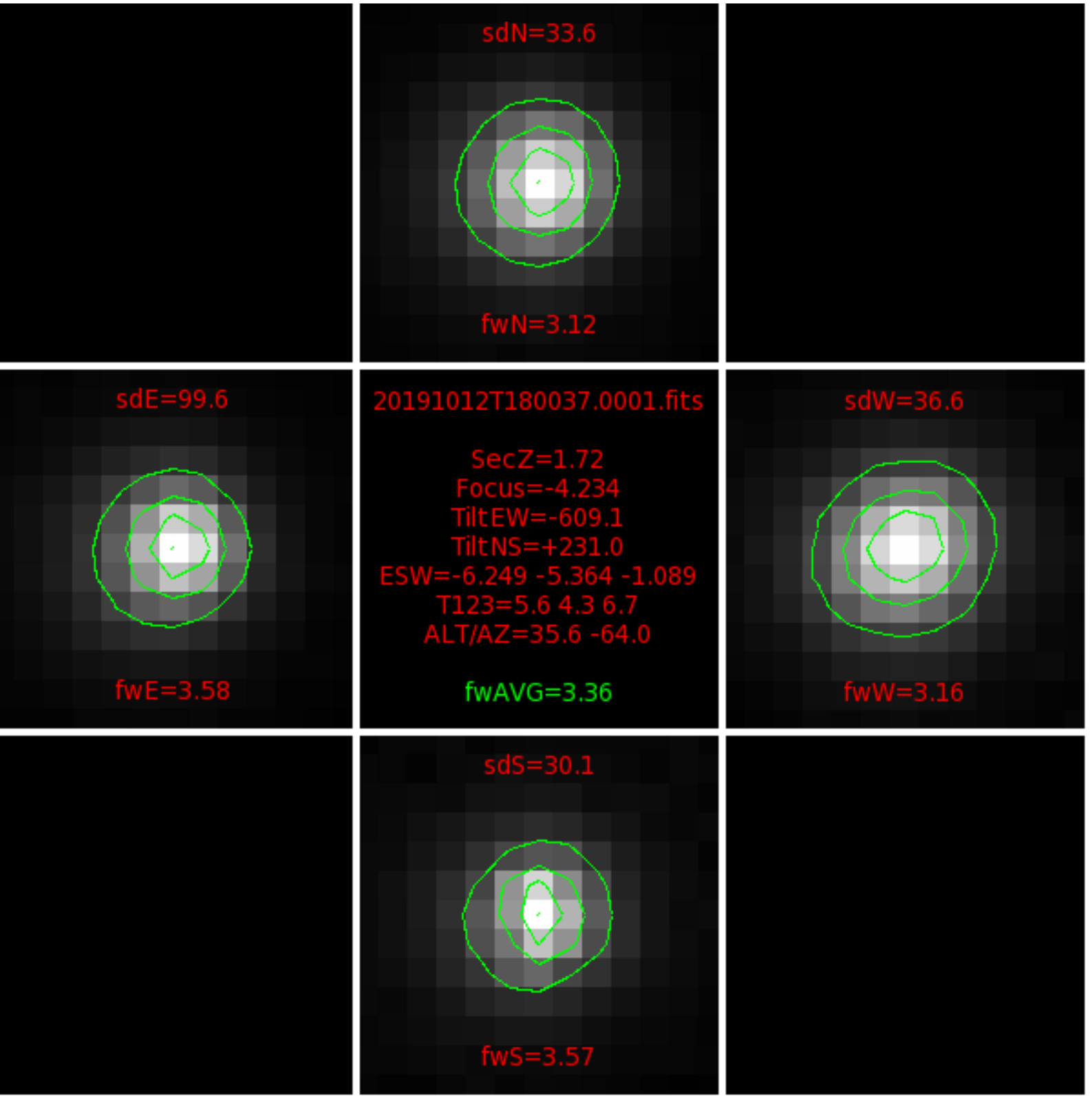
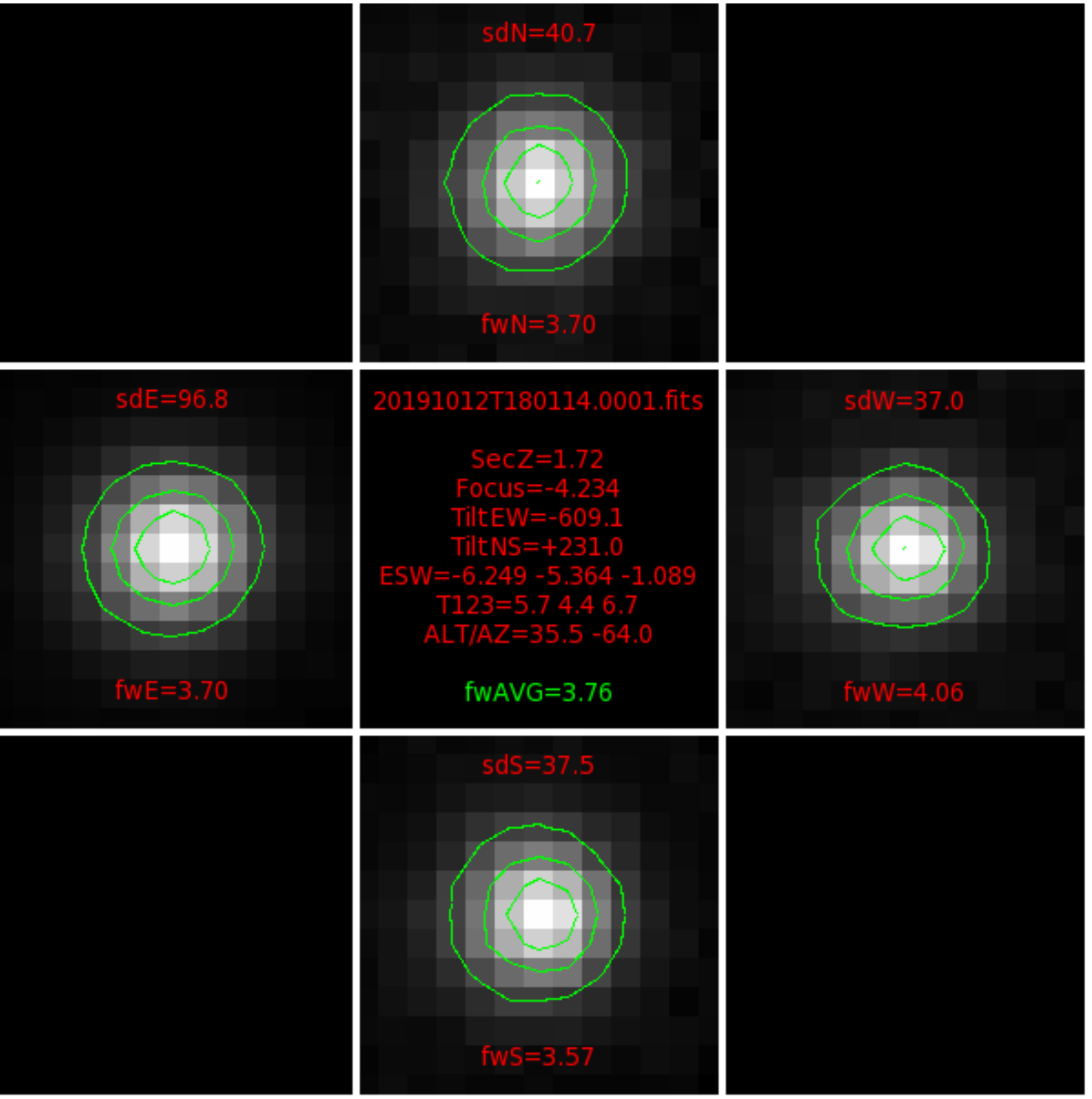
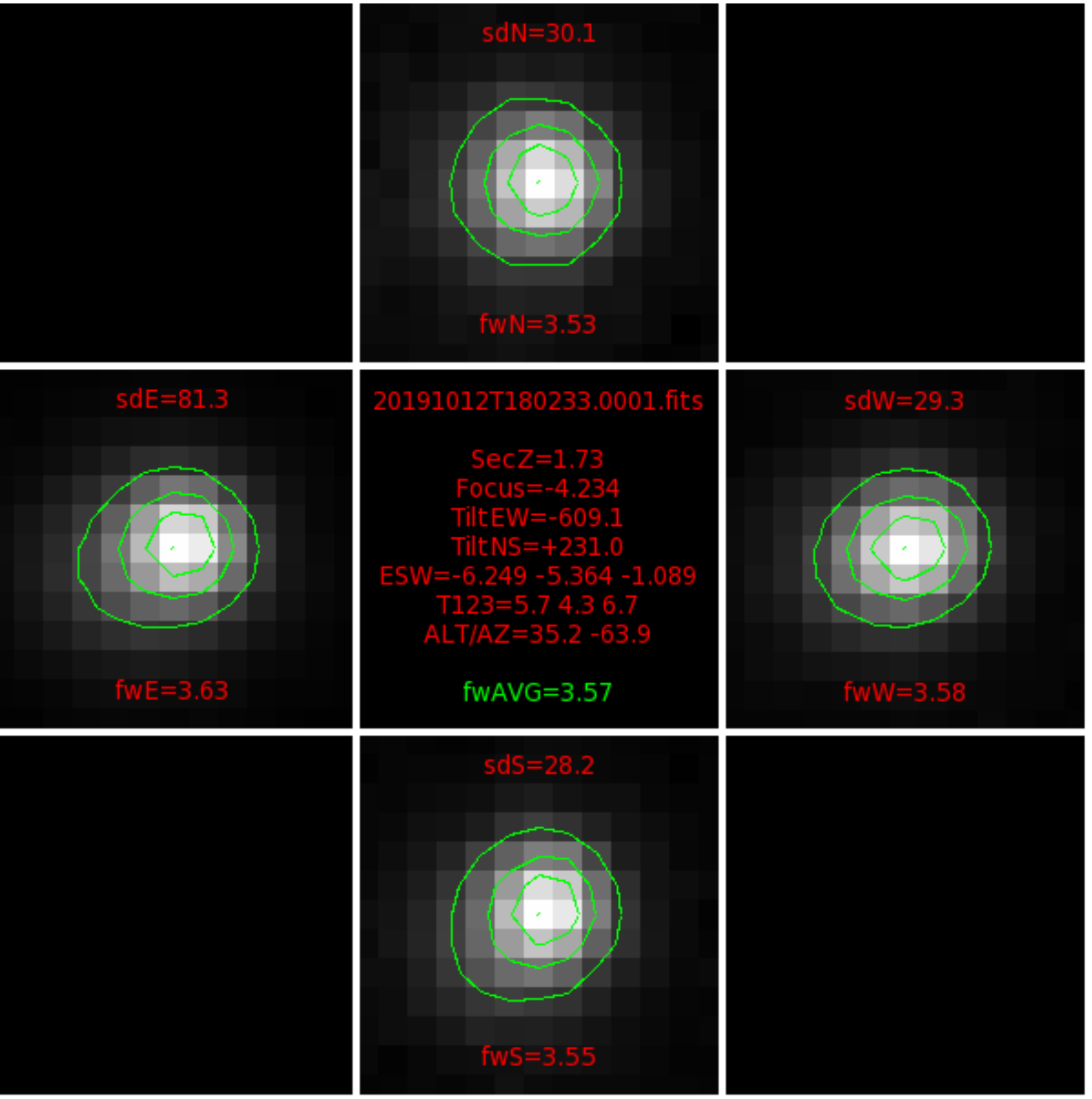
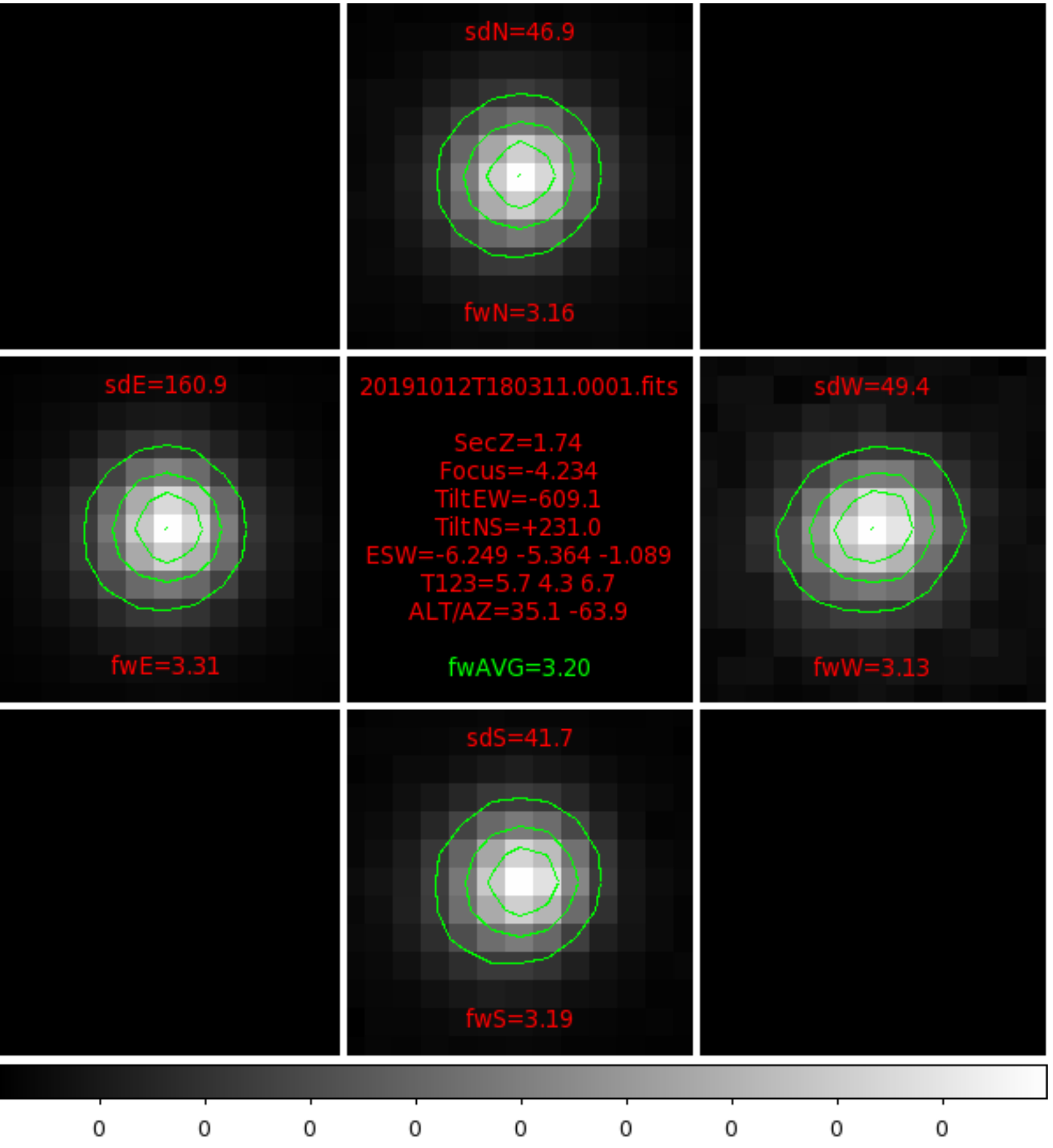
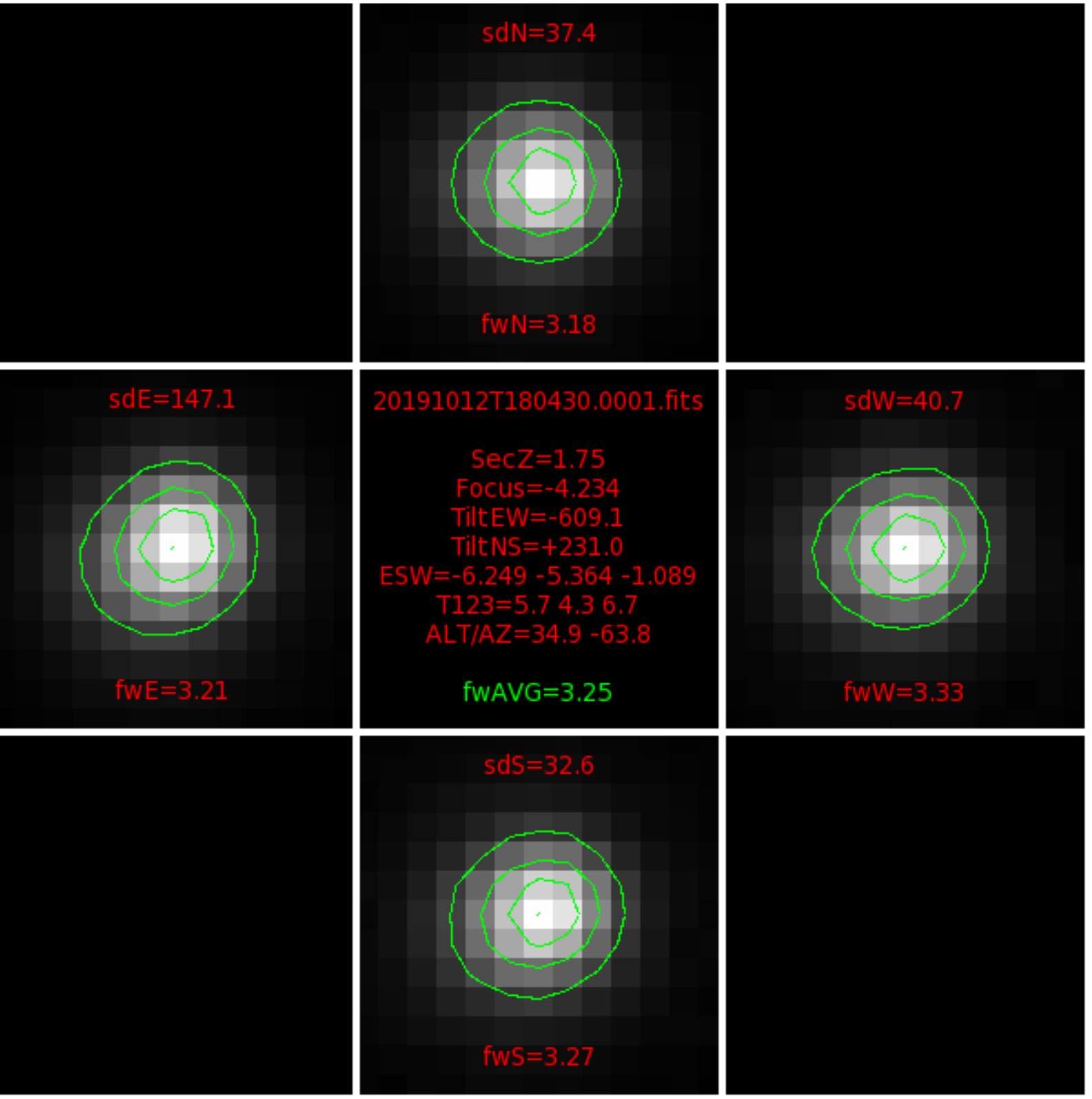

sdN=66.8
fwN=3.09
sdE=271.3
fwE=3.20
20191012T175906.0001.fits
SecZ=1.71
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.7 4.3 6.7
ALT/AZ=35.9 -64.1
fwAVG=3.09
sdW=78.2
fwW=3.08
sdS=54.6
fwS=3.00
0 0 0 0 0 0 0 0 0

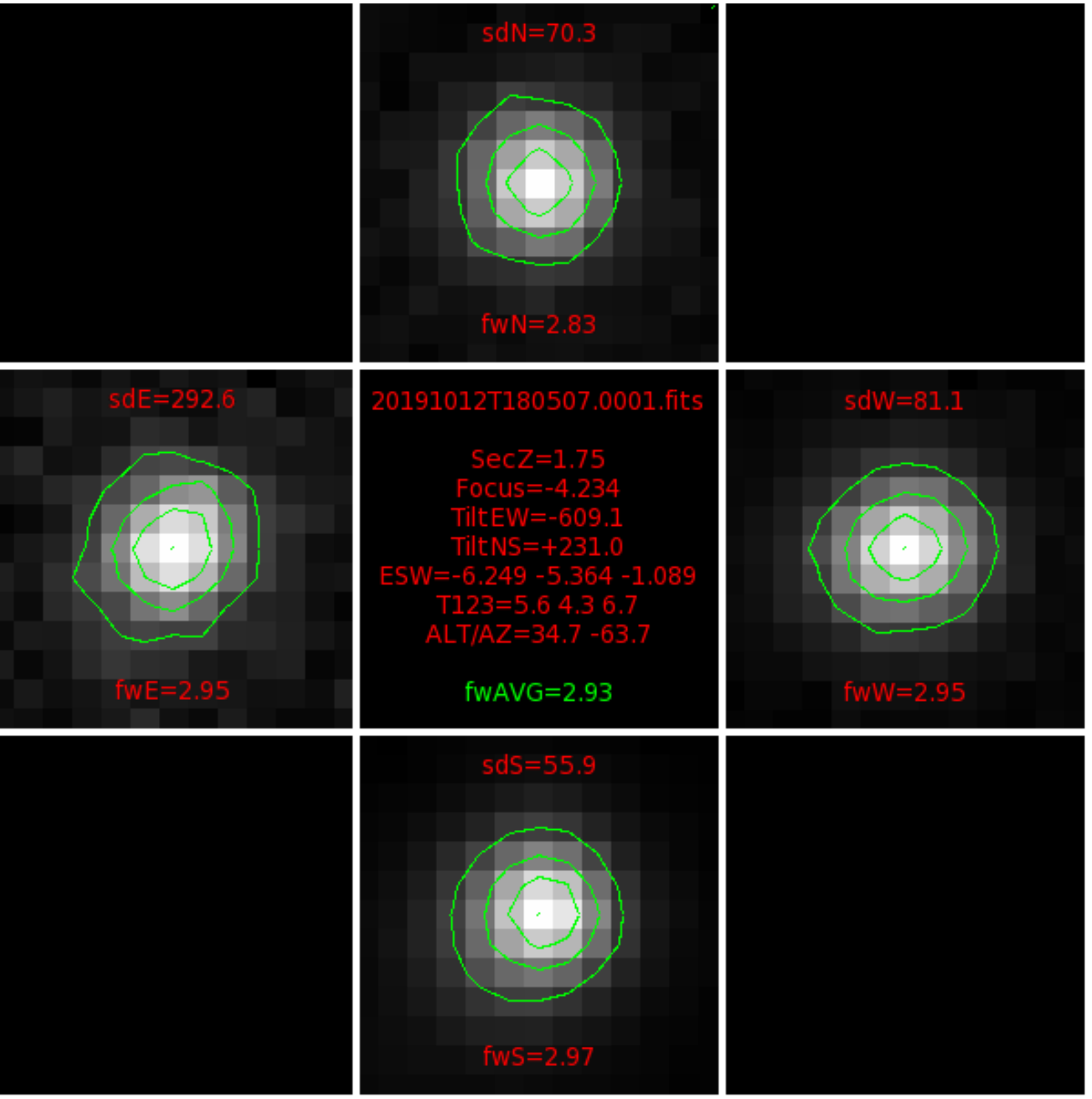

sdN=33.6
fwN=3.12
sdE=99.6
fwE=3.58
20191012T180037.0001.fits
SecZ=1.72
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.6 4.3 6.7
ALT/AZ=35.6 -64.0
fwAVG=3.36
sdW=36.6
fwW=3.16
sdS=30.1
fwS=3.57
0 0 0 0 0 0 0 0 0


sdN=40.7
fwN=3.70
sdE=96.8
fwE=3.70
20191012T180114.0001.fits
SecZ=1.72
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.7 4.4 6.7
ALT/AZ=35.5 -64.0
fwAVG=3.76
sdW=37.0
fwW=4.06
sdS=37.5
fwS=3.57
0 0 0 0 0 0 0 0 0


sdN=30.1
fwN=3.53
sdE=81.3
fwE=3.63
20191012T180233.0001.fits
SecZ=1.73
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.7 4.3 6.7
ALT/AZ=35.2 -63.9
fwAVG=3.57
sdW=29.3
fwW=3.58
sdS=28.2
fwS=3.55
0 0 0 0 0 0 0 0 0


sdN=46.9
fwN=3.16
sdE=160.9
fwE=3.31
20191012T180311.0001.fits
SecZ=1.74
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.7 4.3 6.7
ALT/AZ=35.1 -63.9
fwAVG=3.20
sdW=49.4
fwW=3.13
sdS=41.7
fwS=3.19
0 0 0 0 0 0 0 0 0


sdN=37.4
fwN=3.18
sdE=147.1
fwE=3.21
20191012T180430.0001.fits
SecZ=1.75
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.7 4.3 6.7
ALT/AZ=34.9 -63.8
fwAVG=3.25
sdW=40.7
fwW=3.33
sdS=32.6
fwS=3.27
0 0 0 0 0 0 0 0 0


sdN=70.3
fwN=2.83
sdE=292.6
fwE=2.95
20191012T180507.0001.fits
SecZ=1.75
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.6 4.3 6.7
ALT/AZ=34.7 -63.7
fwAVG=2.93
sdW=81.1
fwW=2.95
sdS=55.9
fwS=2.97
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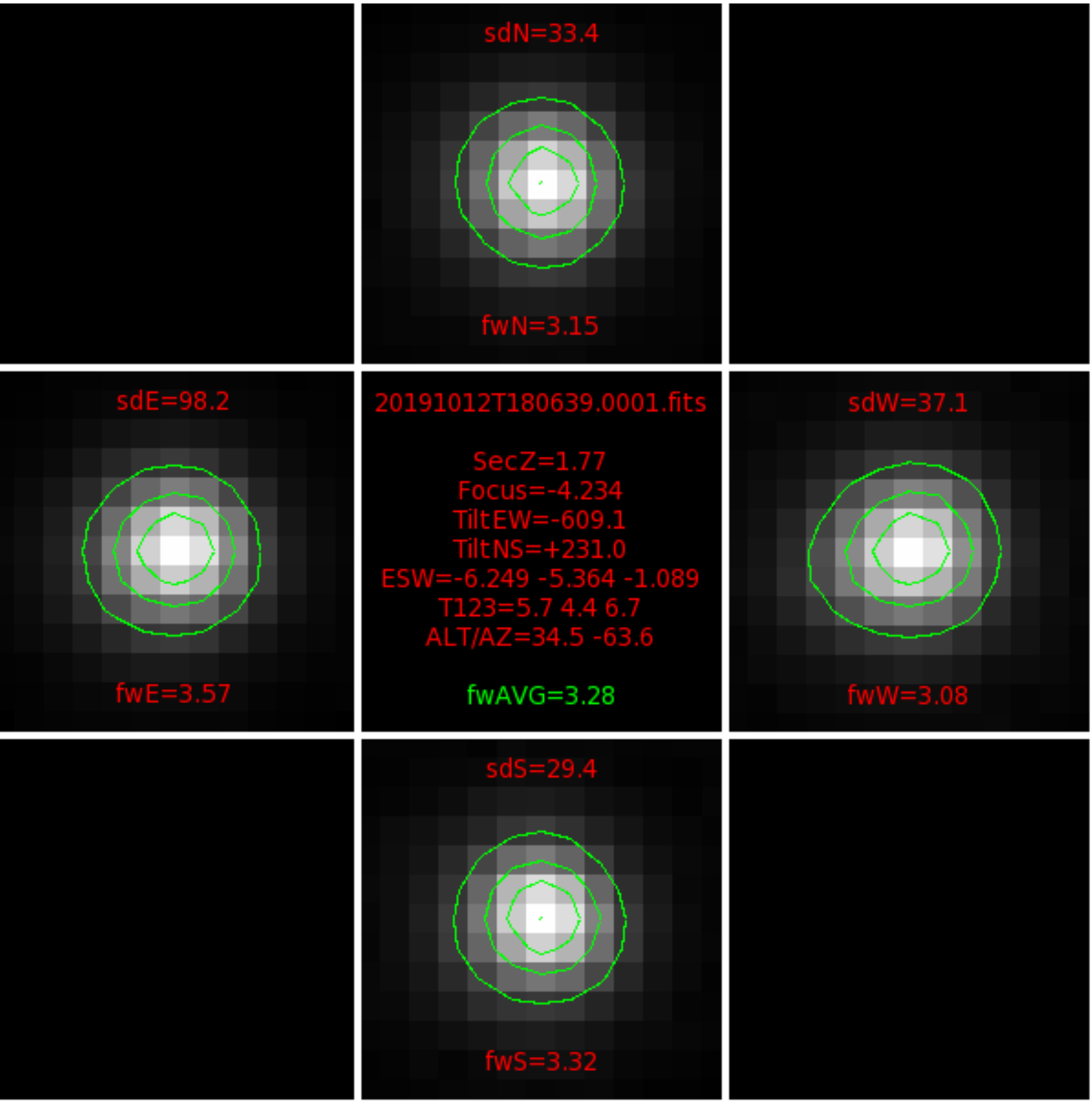
sdN=33.4
fwN=3.15
sdE=98.2
fwE=3.57
20191012T180639.0001.fits
SecZ=1.77
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.7 4.4 6.7
ALT/AZ=34.5 -63.6
fwAVG=3.28
sdW=37.1
fwW=3.08
sdS=29.4
fwS=3.32
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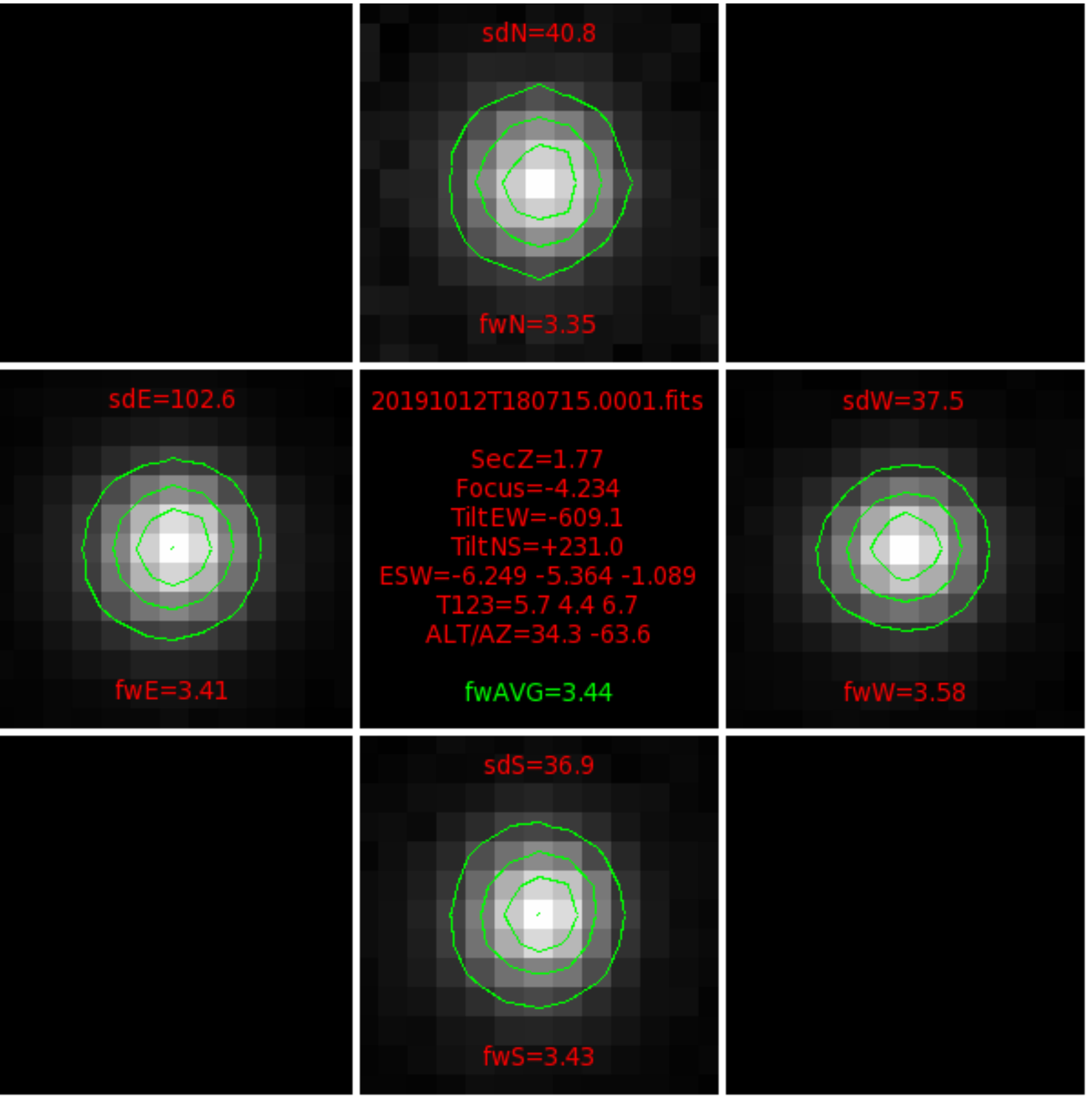
sdN=40.8
fwN=3.35
sdE=102.6
fwE=3.41
20191012T180715.0001.fits
SecZ=1.77
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.7 4.4 6.7
ALT/AZ=34.3 -63.6
fwAVG=3.44
sdW=37.5
fwW=3.58
sdS=36.9
fwS=3.43
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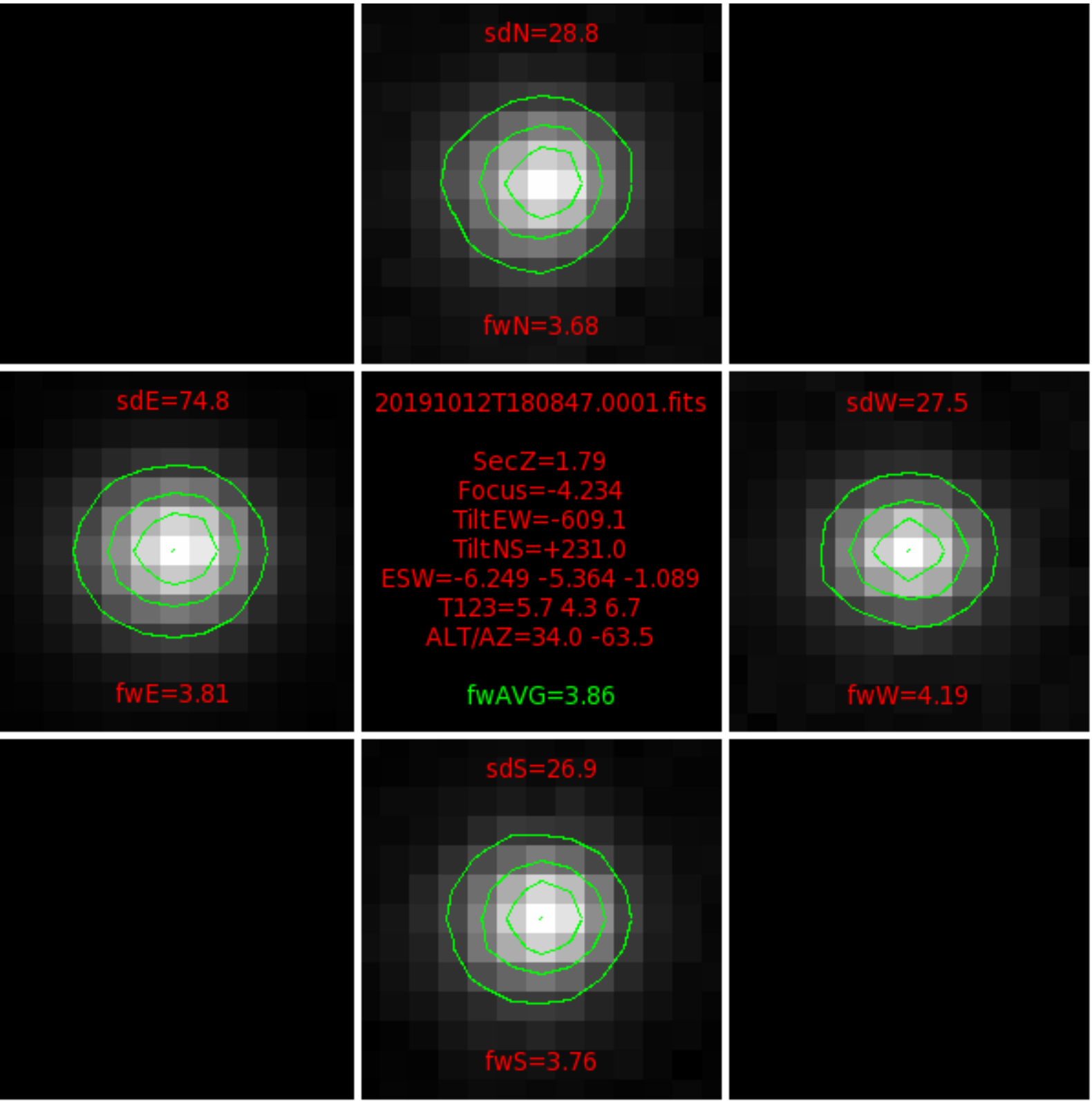
sdN=28.8
fwN=3.68
sdE=74.8
fwE=3.81
20191012T180847.0001.fits
SecZ=1.79
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.7 4.3 6.7
ALT/AZ=34.0 -63.5
fwAVG=3.86
sdW=27.5
fwW=4.19
sdS=26.9
fwS=3.76
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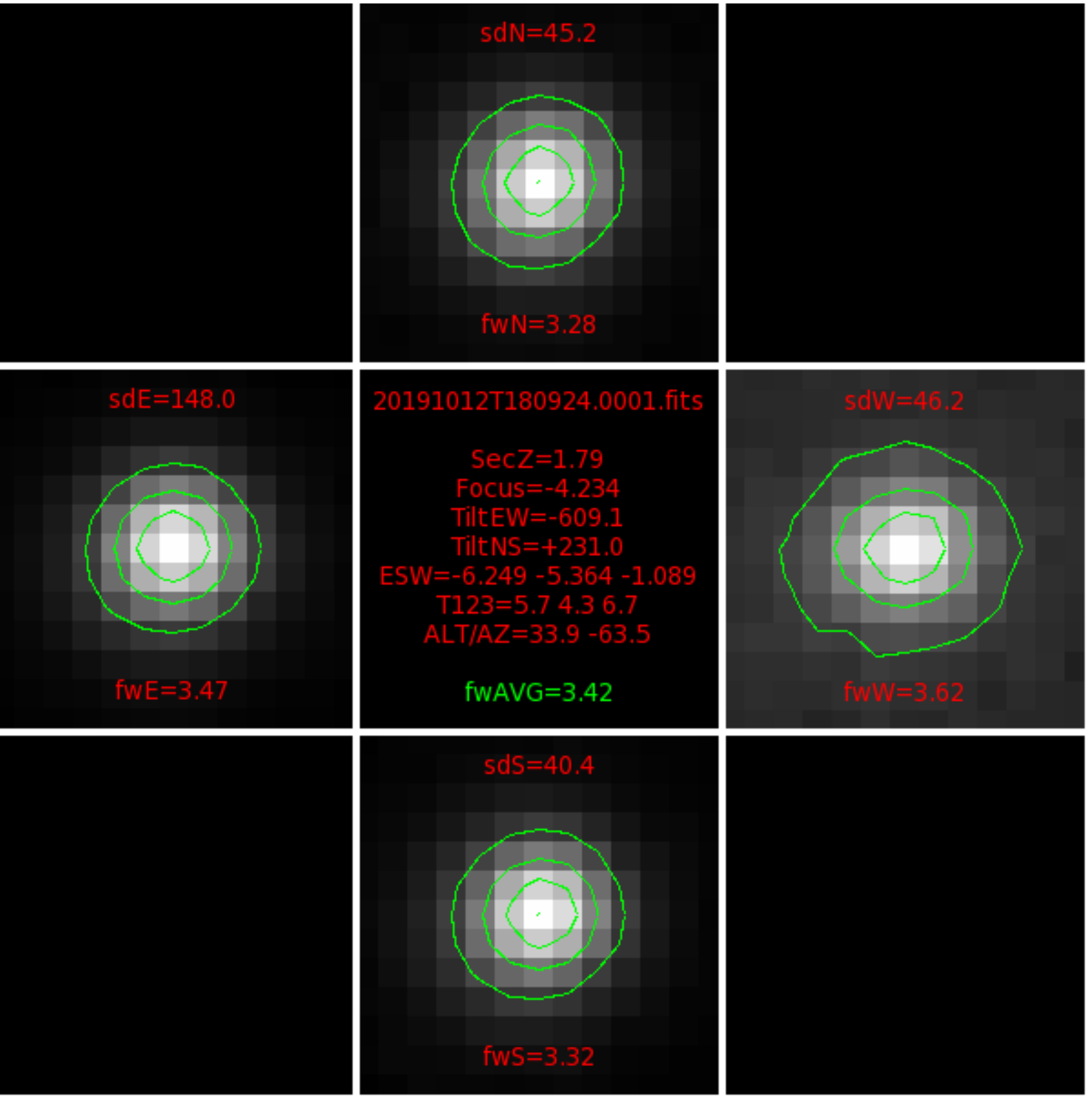
sdN=45.2
fwN=3.28
sdE=148.0
fwE=3.47
20191012T180924.0001.fits
SecZ=1.79
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.7 4.3 6.7
ALT/AZ=33.9 -63.5
fwAVG=3.42
sdW=46.2
fwW=3.62
sdS=40.4
fwS=3.32
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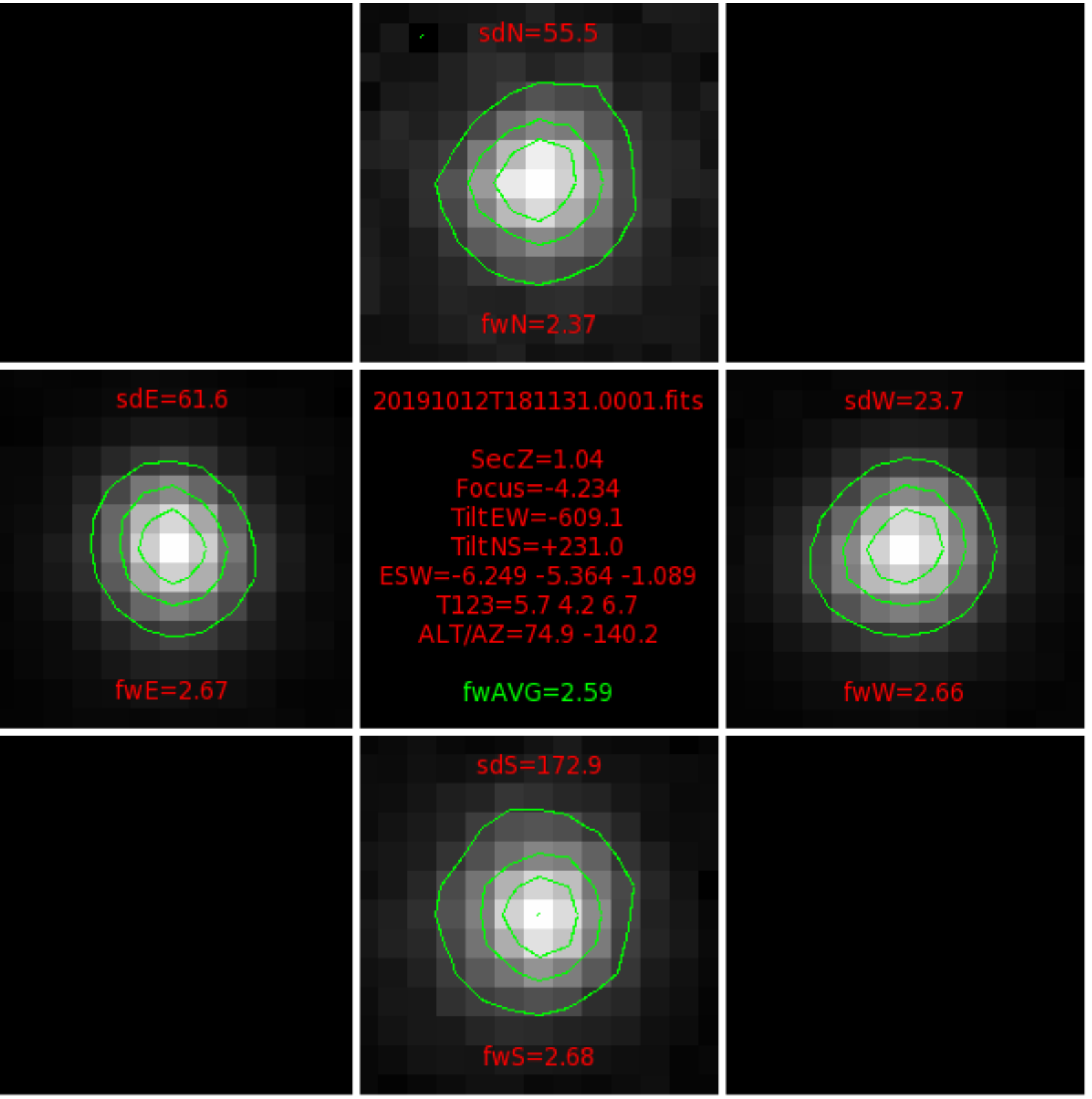
sdN=55.5
fwN=2.37
sdE=61.6
fwE=2.67
20191012T181131.0001.fits
SecZ=1.04
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.7 4.2 6.7
ALT/AZ=74.9 -140.2
fwAVG=2.59
sdW=23.7
fwW=2.66
sdS=172.9
fwS=2.68
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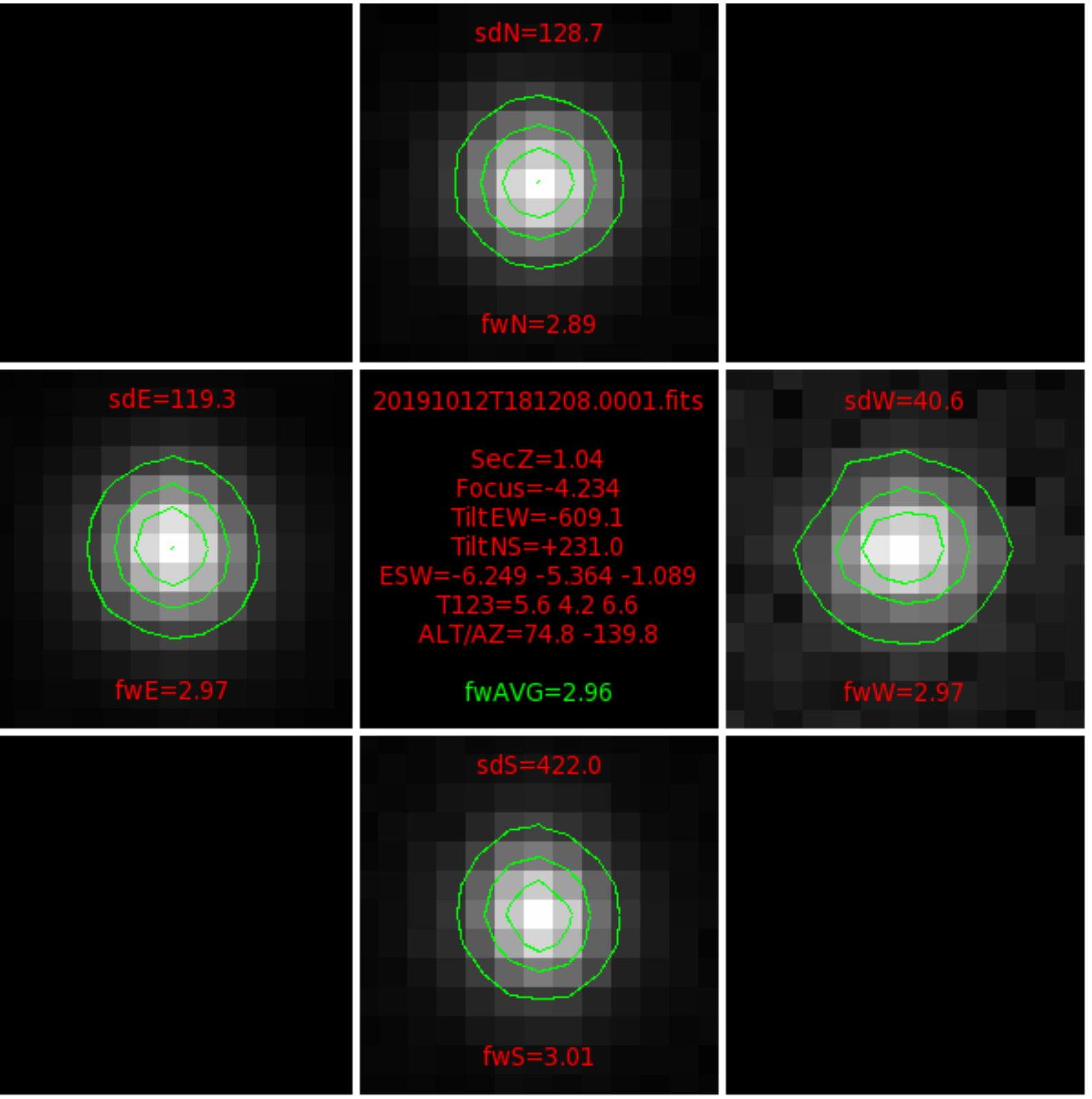
sdN=128.7
fwN=2.89
sdE=119.3
fwE=2.97
20191012T181208.0001.fits
SecZ=1.04
Focus=-4.234
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.249 -5.364 -1.089
T123=5.6 4.2 6.6
ALT/AZ=74.8 -139.8
fwAVG=2.96
sdW=40.6
fwW=2.97
sdS=422.0
fwS=3.01
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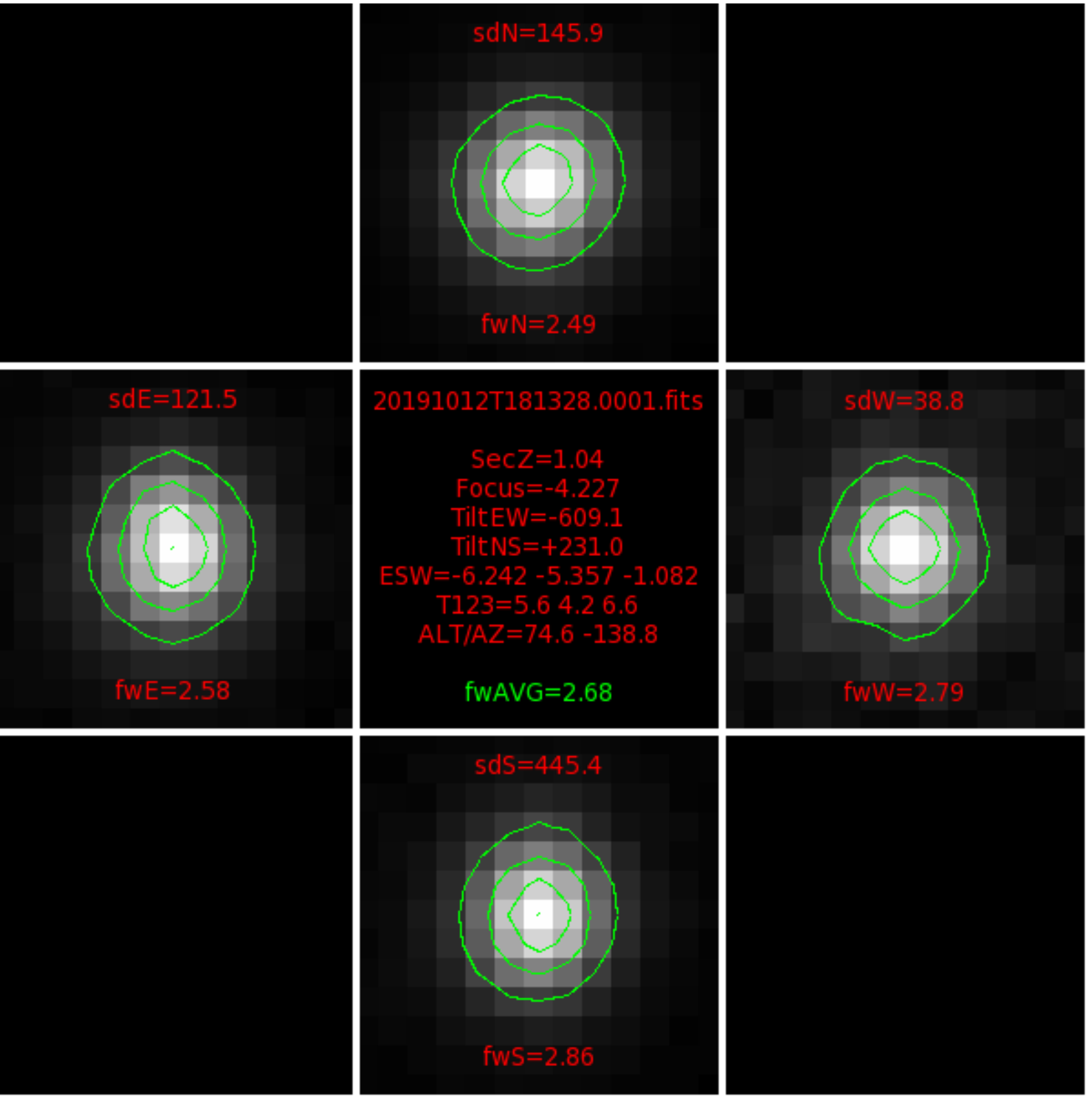
sdN=145.9
fwN=2.49
sdE=121.5
fwE=2.58
20191012T181328.0001.fits
SecZ=1.04
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.6 4.2 6.6
ALT/AZ=74.6 -138.8
fwAVG=2.68
sdW=38.8
fwW=2.79
sdS=445.4
fwS=2.86
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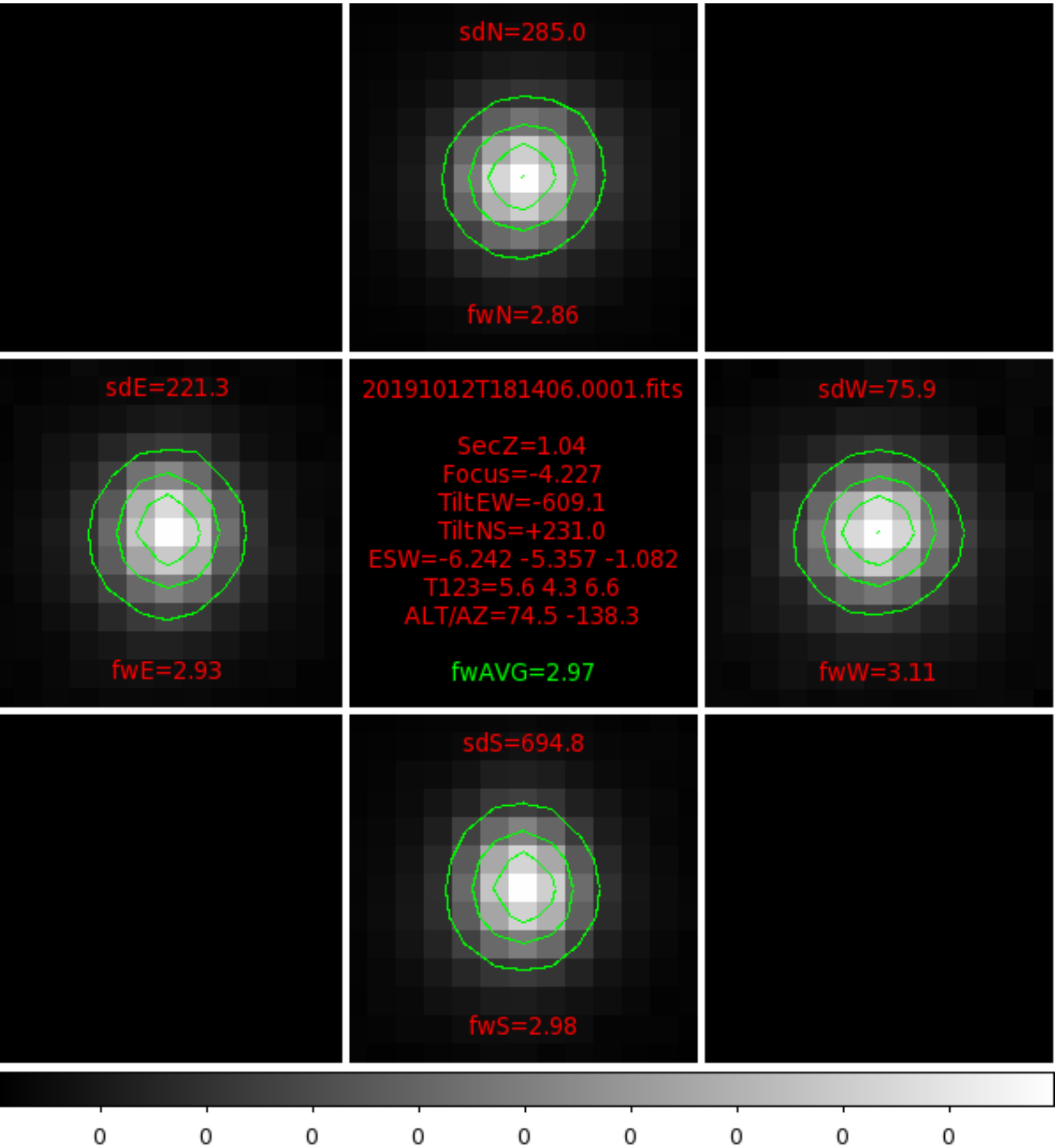
sdN=285.0
fwN=2.86
sdE=221.3
fwE=2.93
20191012T181406.0001.fits
SecZ=1.04
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.6 4.3 6.6
ALT/AZ=74.5 -138.3
fwAVG=2.97
sdW=75.9
fwW=3.11
sdS=694.8
fwS=2.98
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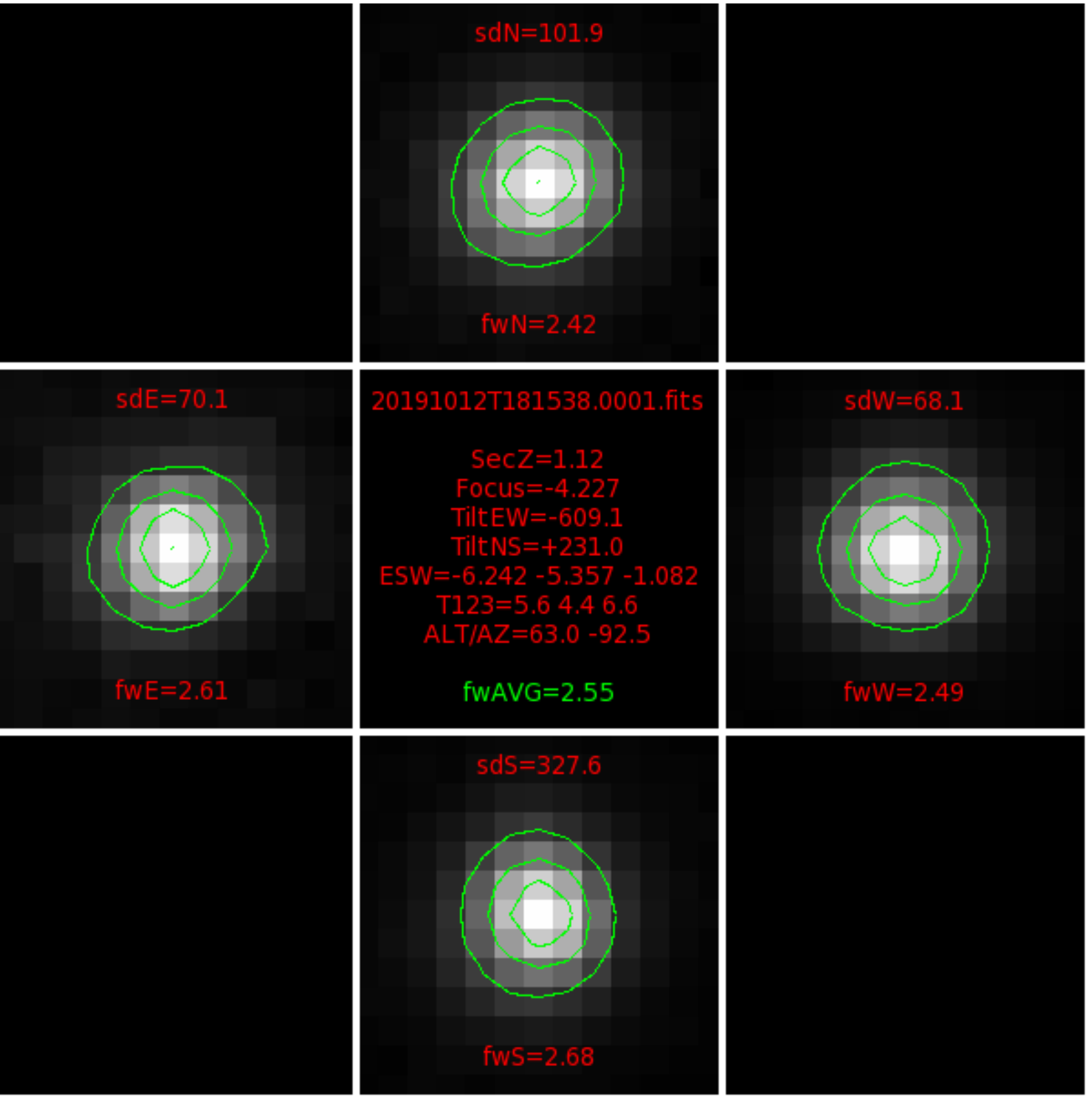
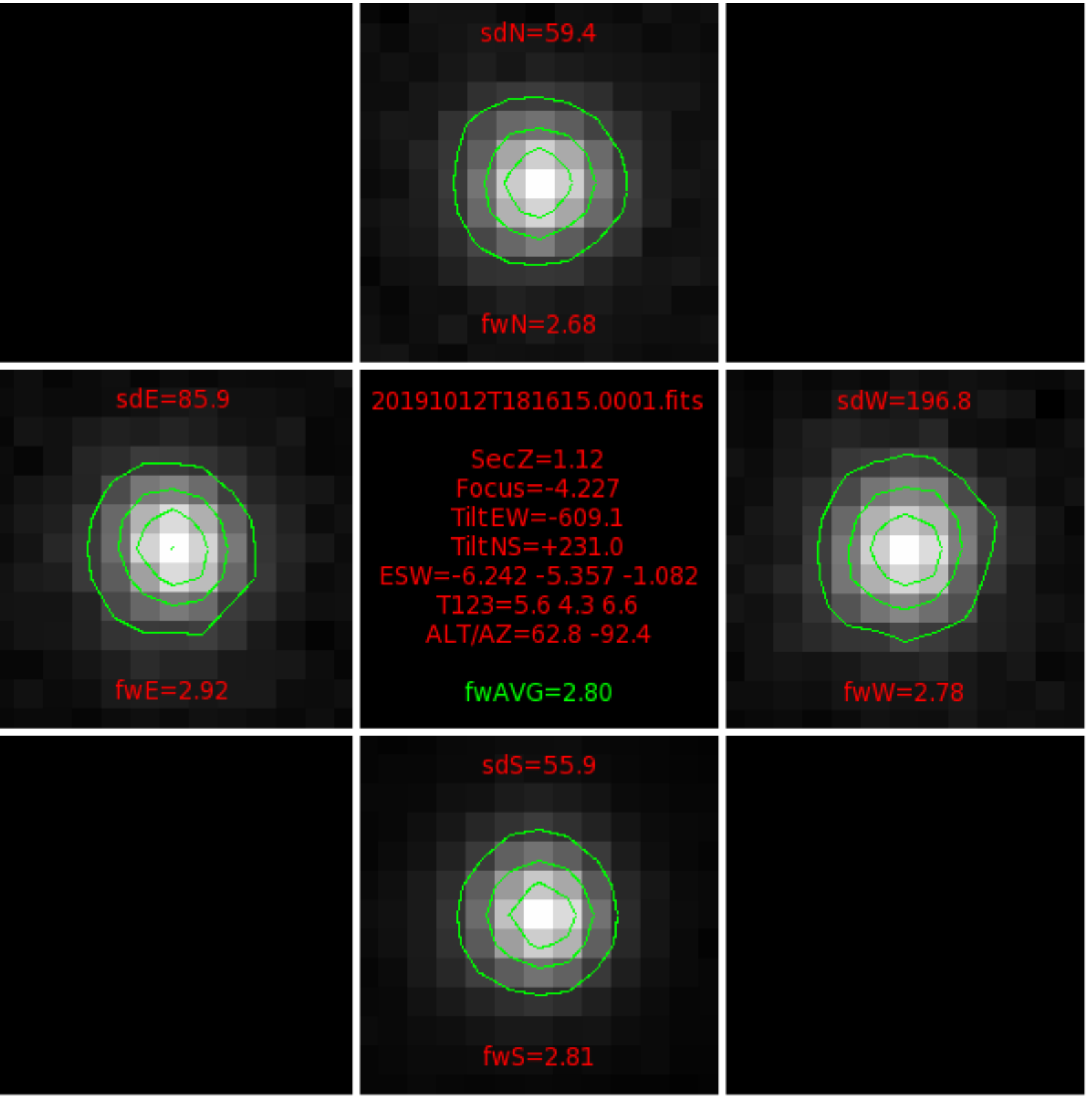

sdN=101.9
fwN=2.42
sdE=70.1
fwE=2.61
20191012T181538.0001.fits
SecZ=1.12
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.6 4.4 6.6
ALT/AZ=63.0 -92.5
fwAVG=2.55
sdW=68.1
fwW=2.49
sdS=327.6
fwS=2.68
0 0 0 0 0 0 0 0 0


sdN=59.4
fwN=2.68
sdE=85.9
fwE=2.92
20191012T181615.0001.fits
SecZ=1.12
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.6 4.3 6.6
ALT/AZ=62.8 -92.4
fwAVG=2.80
sdW=196.8
fwW=2.78
sdS=55.9
fwS=2.81
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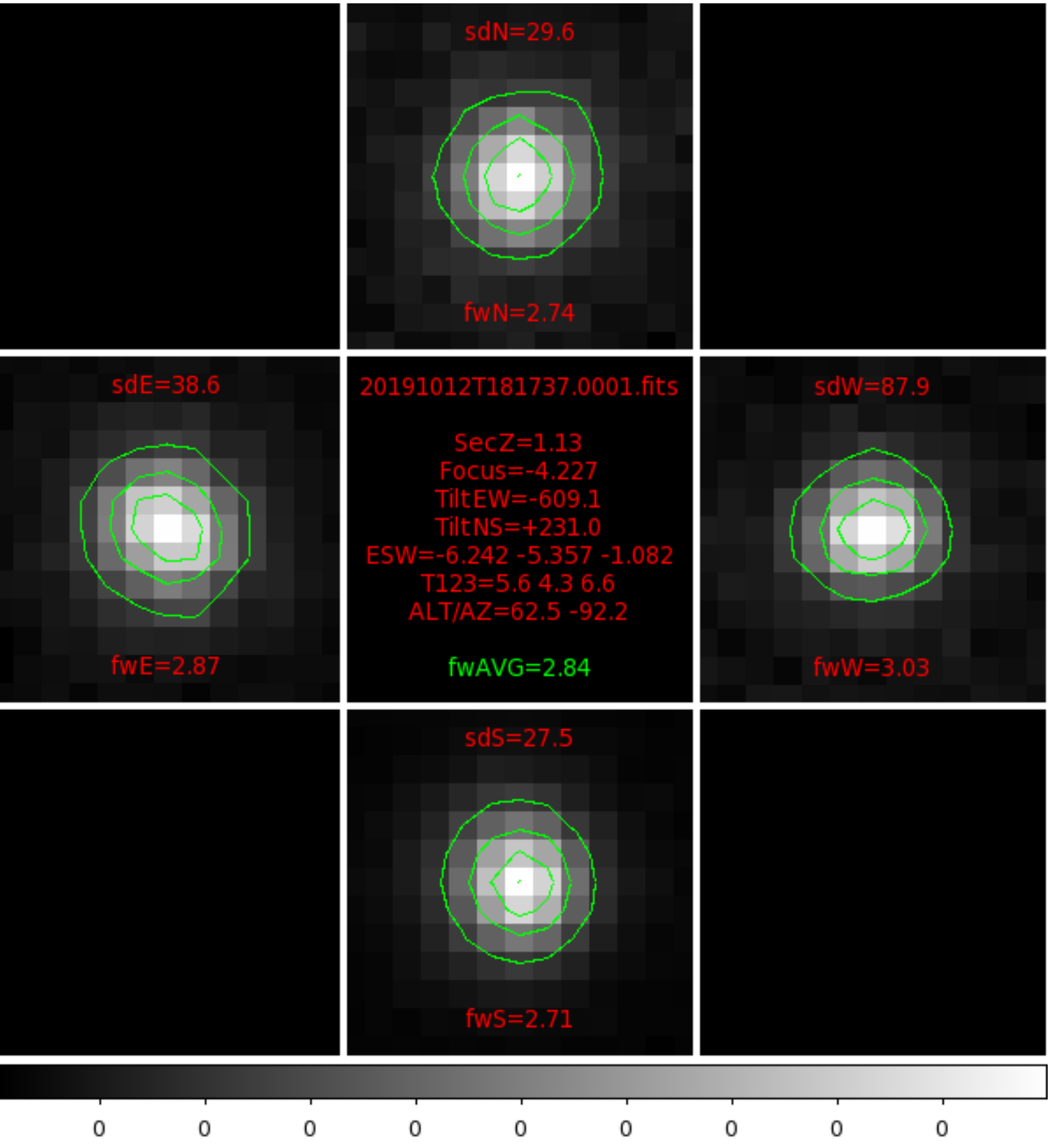
sdN=29.6
fwN=2.74
sdE=38.6
fwE=2.87
20191012T181737.0001.fits
SecZ=1.13
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.6 4.3 6.6
ALT/AZ=62.5 -92.2
fwAVG=2.84
sdW=87.9
fwW=3.03
sdS=27.5
fwS=2.71
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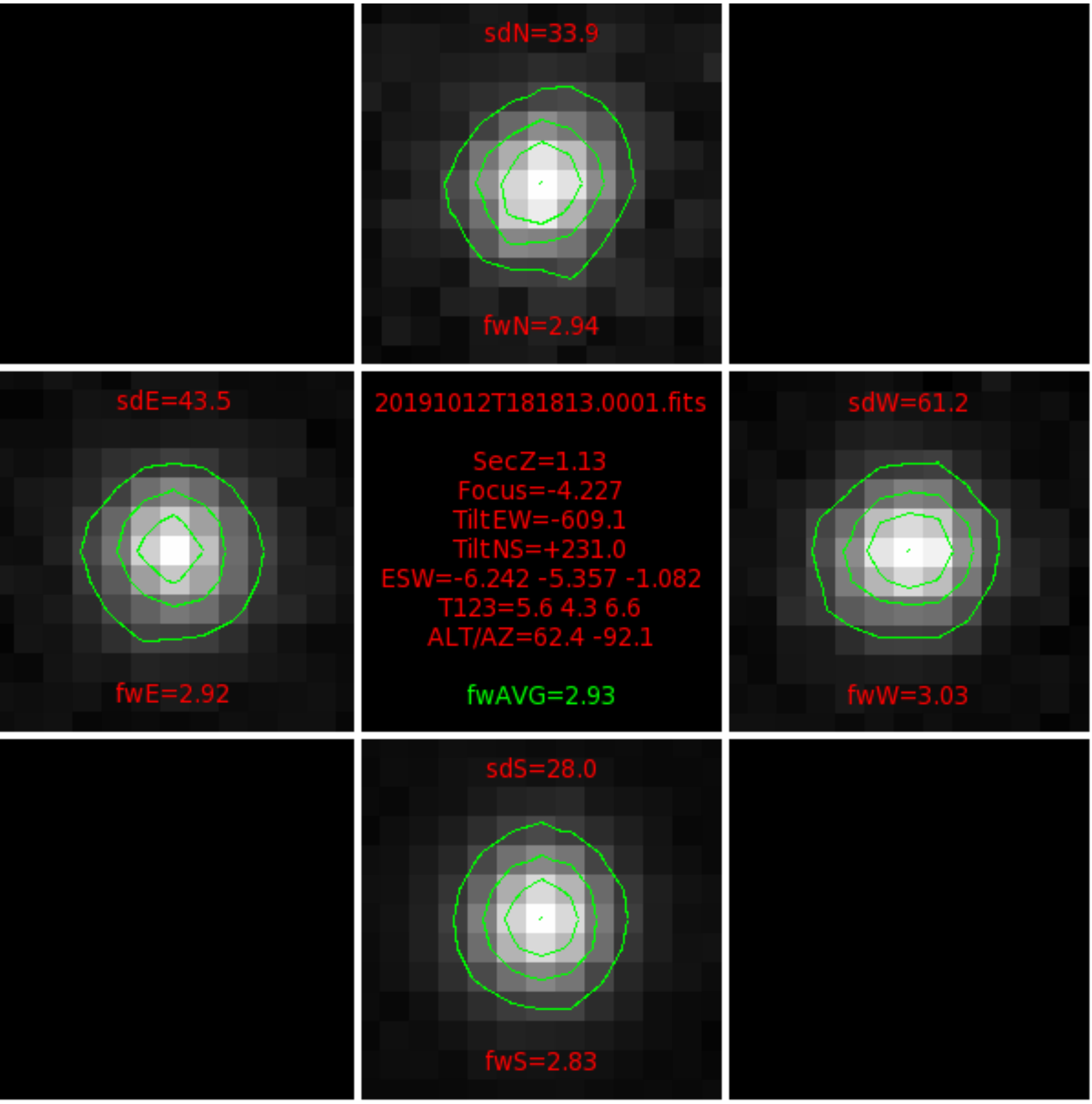
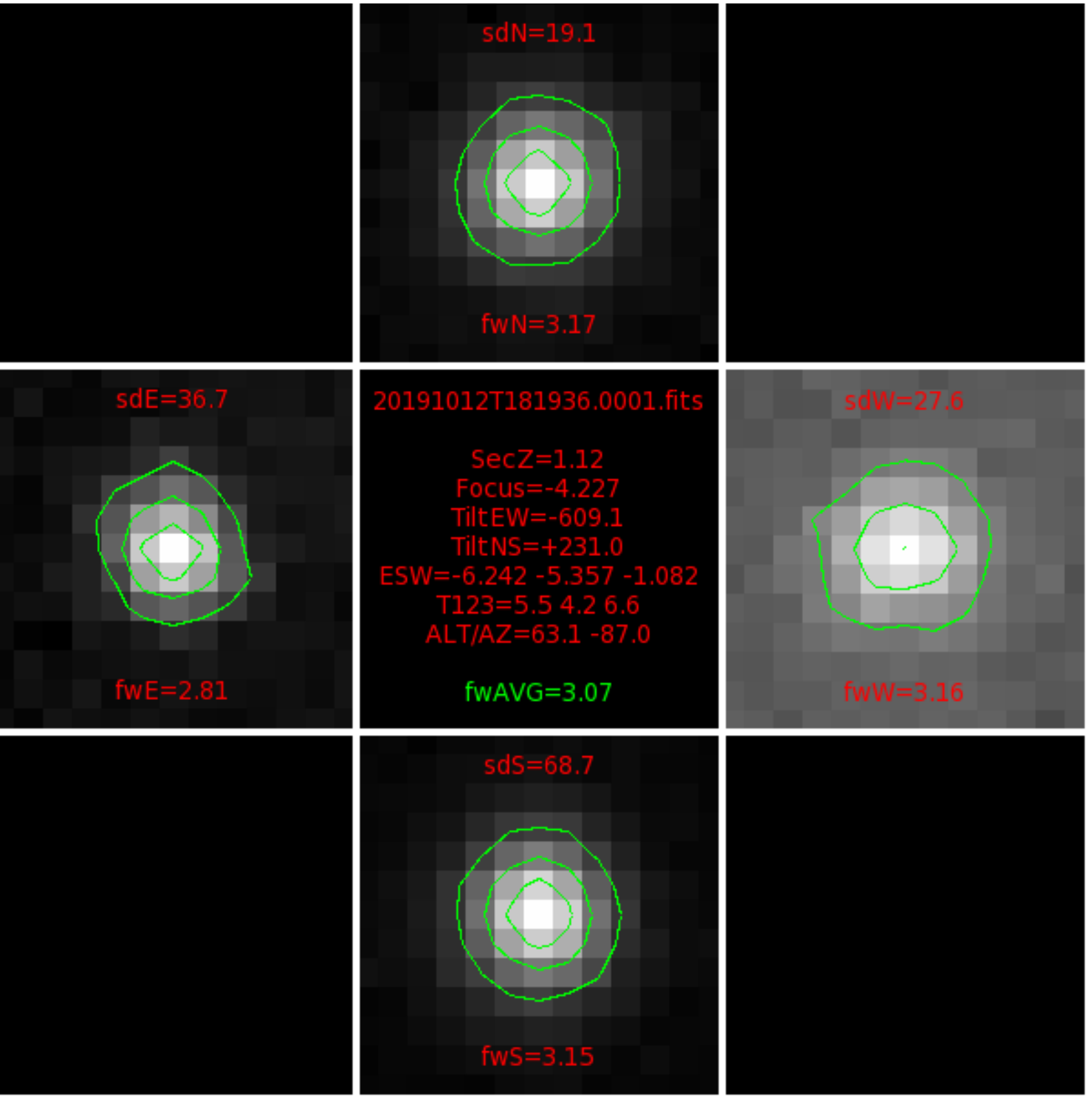

sdN=33.9
fwN=2.94
sdE=43.5
fwE=2.92
20191012T181813.0001.fits
SecZ=1.13
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.6 4.3 6.6
ALT/AZ=62.4 -92.1
fwAVG=2.93
sdW=61.2
fwW=3.03
sdS=28.0
fwS=2.83
0 0 0 0 0 0 0 0 0


sdN=19.1
fwN=3.17
sdE=36.7
fwE=2.81
20191012T181936.0001.fits
SecZ=1.12
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.5 4.2 6.6
ALT/AZ=63.1 -87.0
fwAVG=3.07
sdW=27.6
fwW=3.16
sdS=68.7
fwS=3.15
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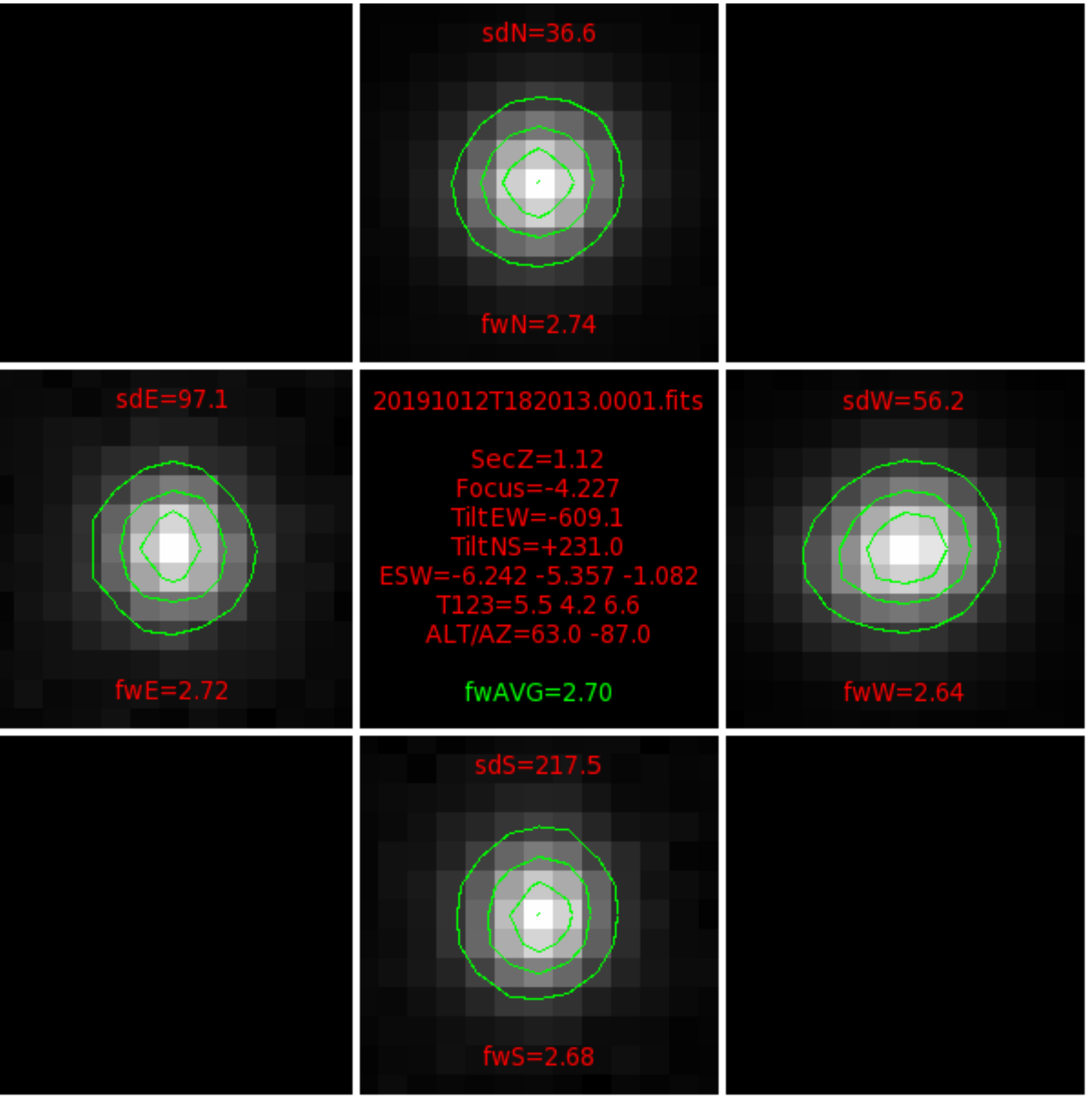
sdN=36.6
fwN=2.74
sdE=97.1
fwE=2.72
20191012T182013.0001.fits
SecZ=1.12
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.5 4.2 6.6
ALT/AZ=63.0 -87.0
fwAVG=2.70
sdW=56.2
fwW=2.64
sdS=217.5
fwS=2.68
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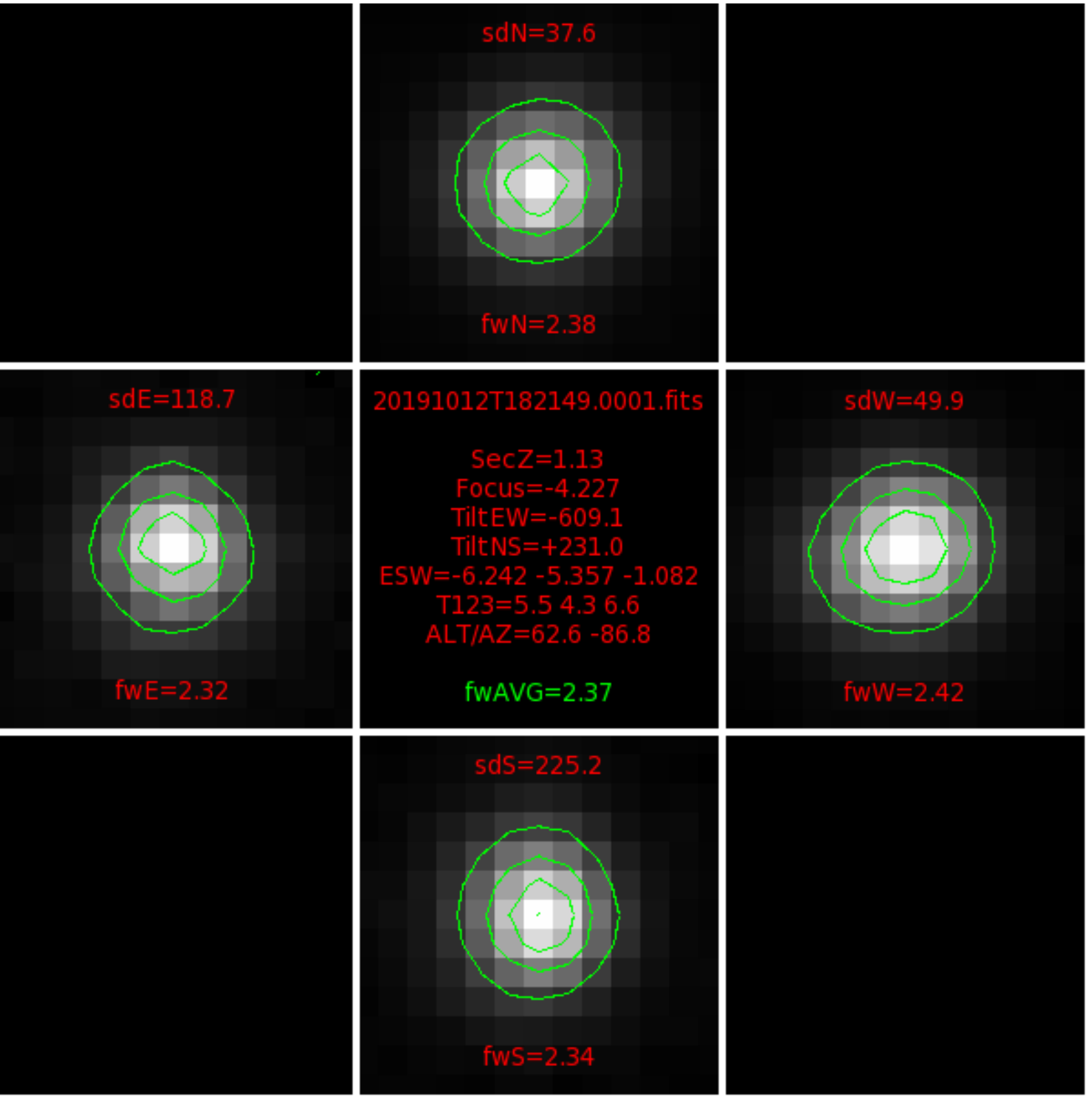
sdN=37.6
fwN=2.38
sdE=118.7
fwE=2.32
20191012T182149.0001.fits
SecZ=1.13
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.5 4.3 6.6
ALT/AZ=62.6 -86.8
fwAVG=2.37
sdW=49.9
fwW=2.42
sdS=225.2
fwS=2.34
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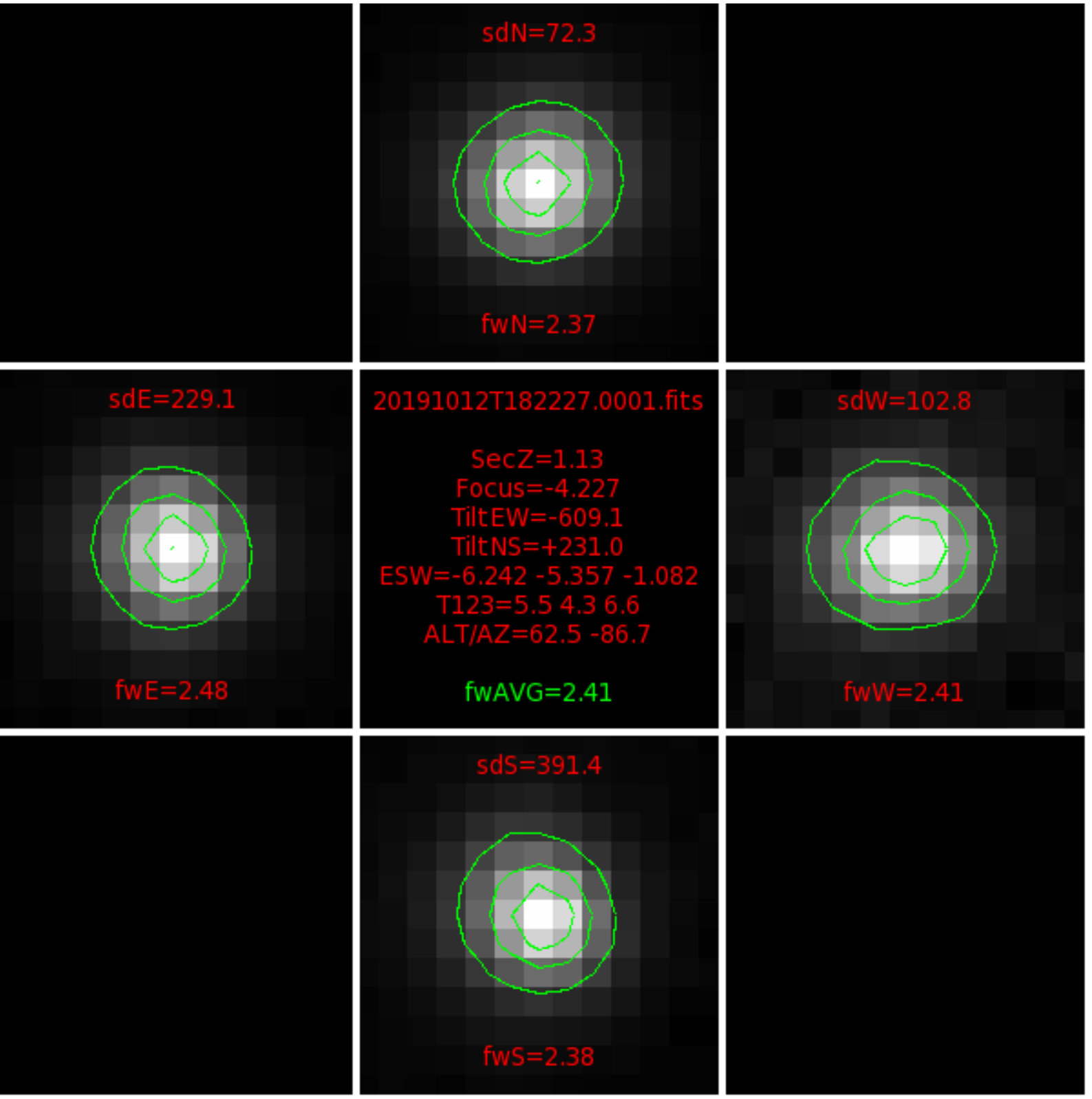
sdN=72.3
fwN=2.37
sdE=229.1
fwE=2.48
20191012T182227.0001.fits
SecZ=1.13
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.5 4.3 6.6
ALT/AZ=62.5 -86.7
fwAVG=2.41
sdW=102.8
fwW=2.41
sdS=391.4
fwS=2.38
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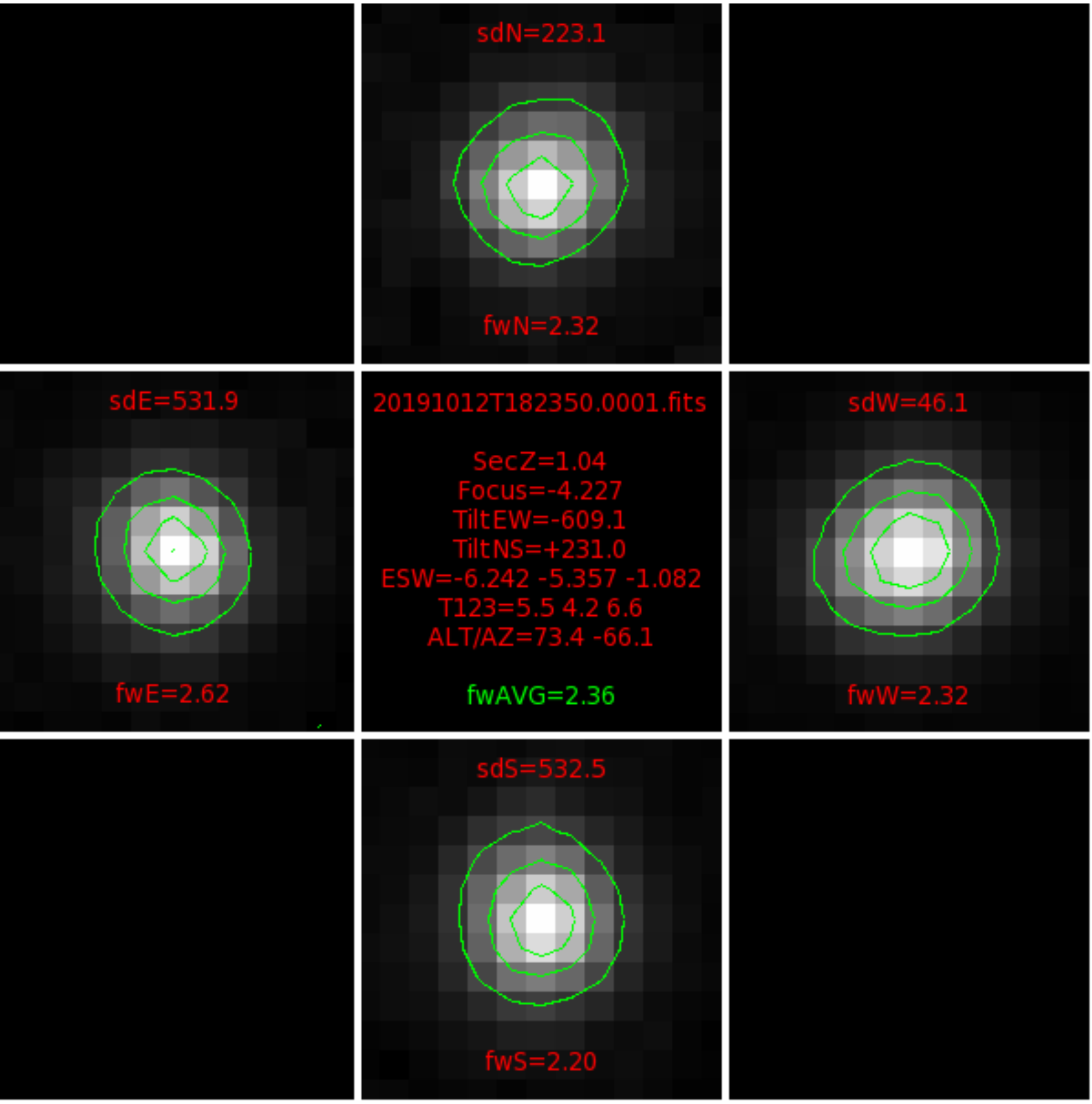
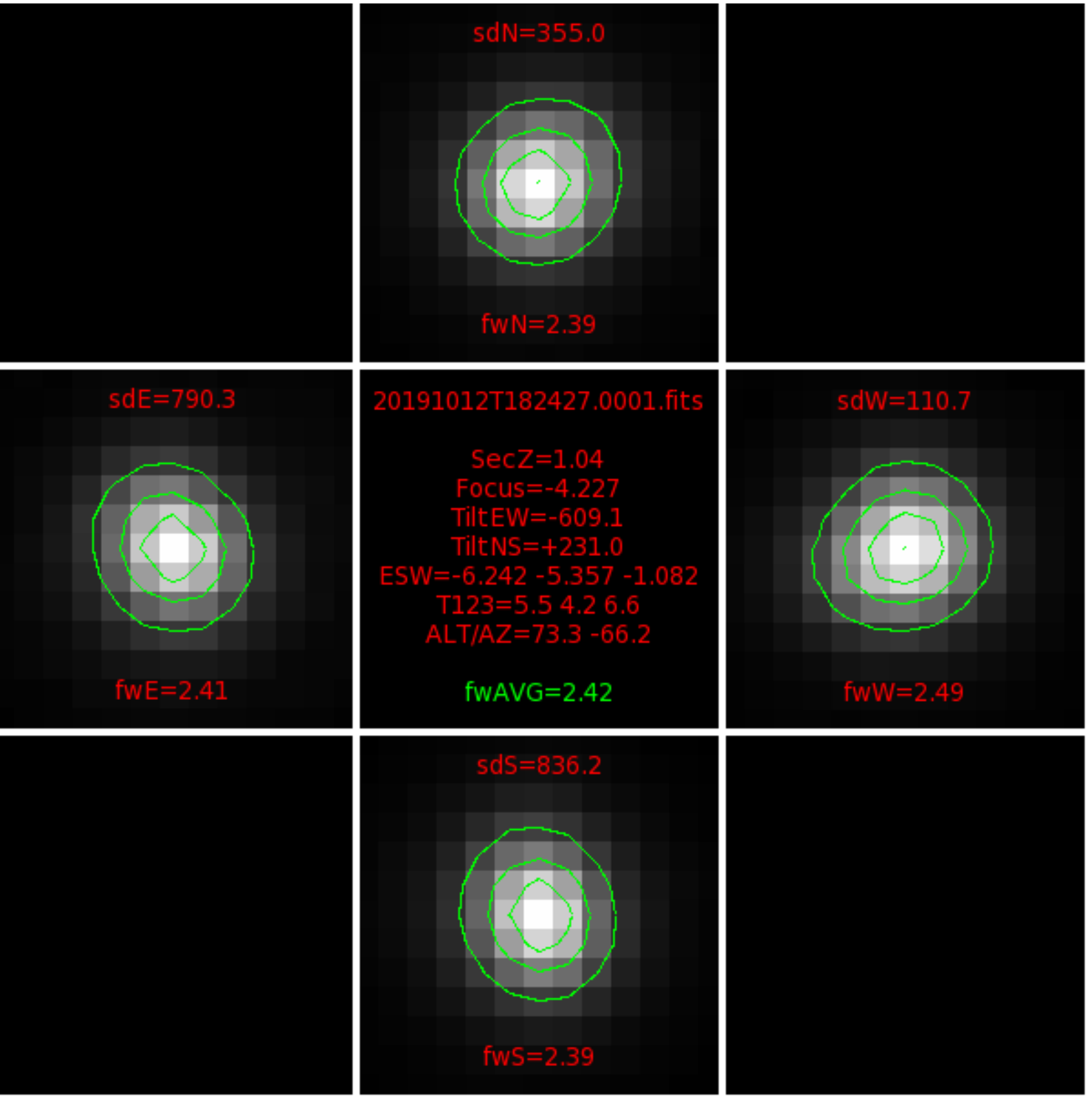

sdN=223.1
fwN=2.32
sdE=531.9
fwE=2.62
20191012T182350.0001.fits
SecZ=1.04
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.5 4.2 6.6
ALT/AZ=73.4 -66.1
fwAVG=2.36
sdW=46.1
fwW=2.32
sdS=532.5
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=355.0
fwN=2.39
sdE=790.3
fwE=2.41
20191012T182427.0001.fits
SecZ=1.04
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.5 4.2 6.6
ALT/AZ=73.3 -66.2
fwAVG=2.42
sdW=110.7
fwW=2.49
sdS=836.2
fwS=2.39
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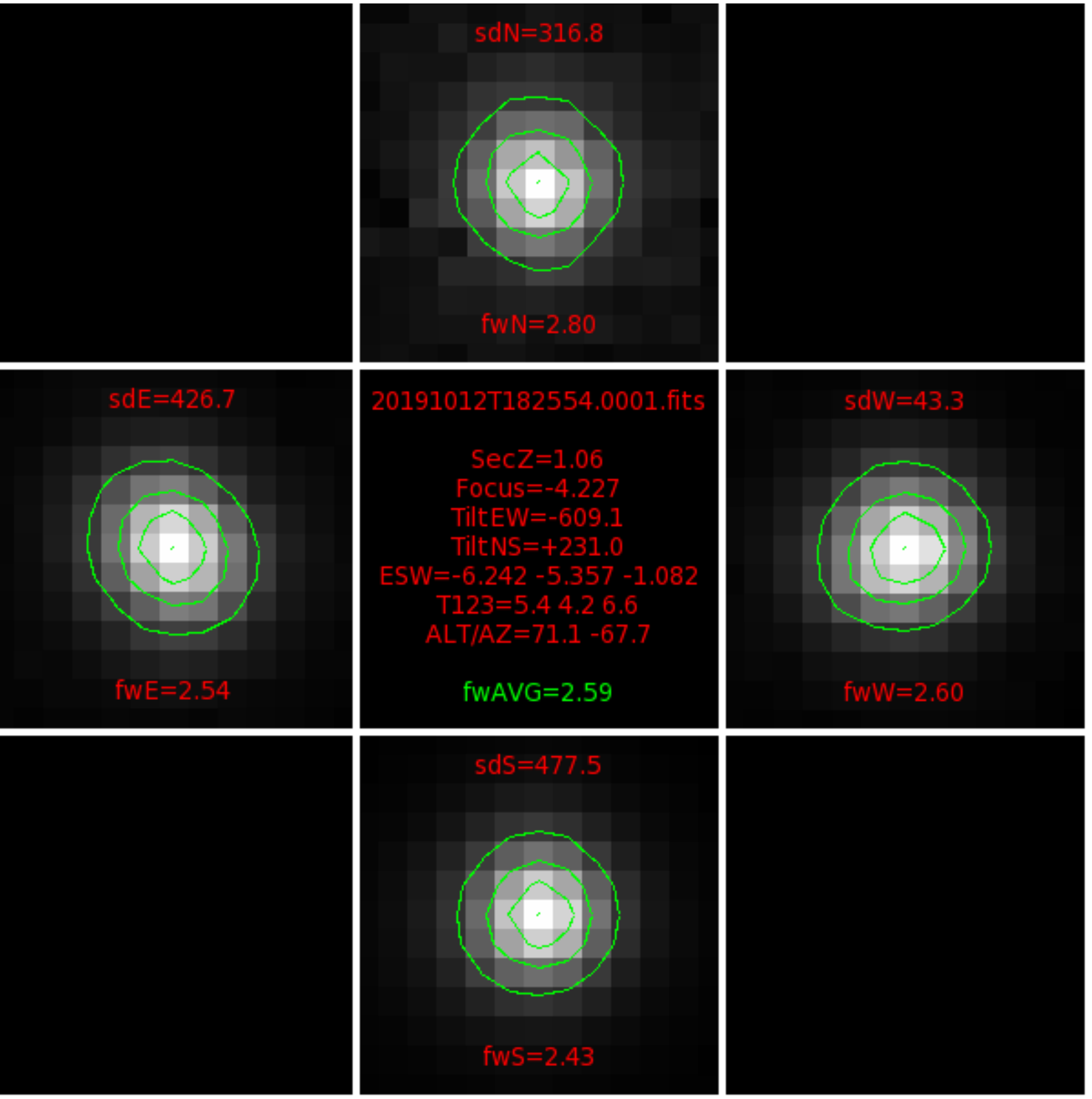
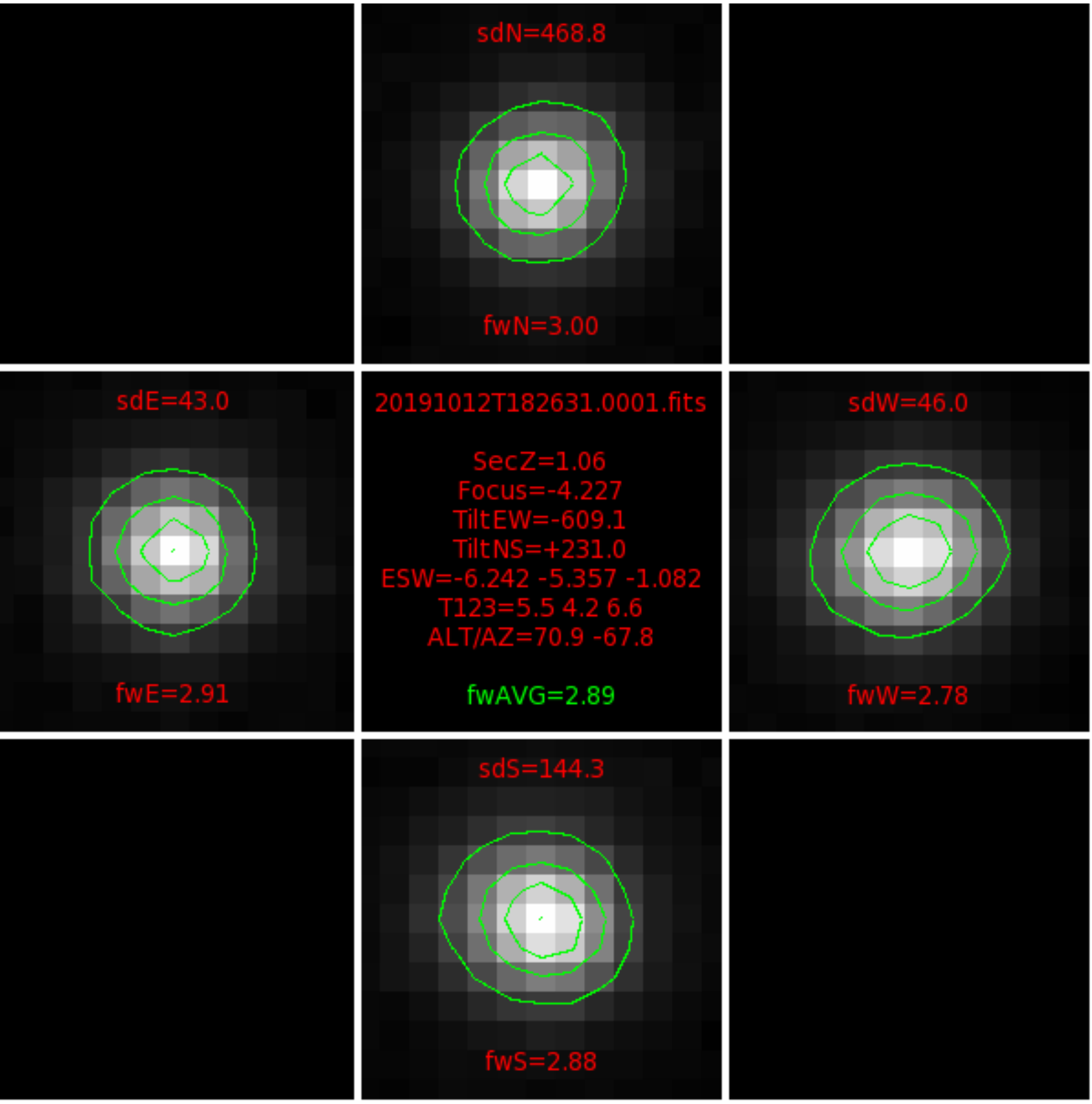
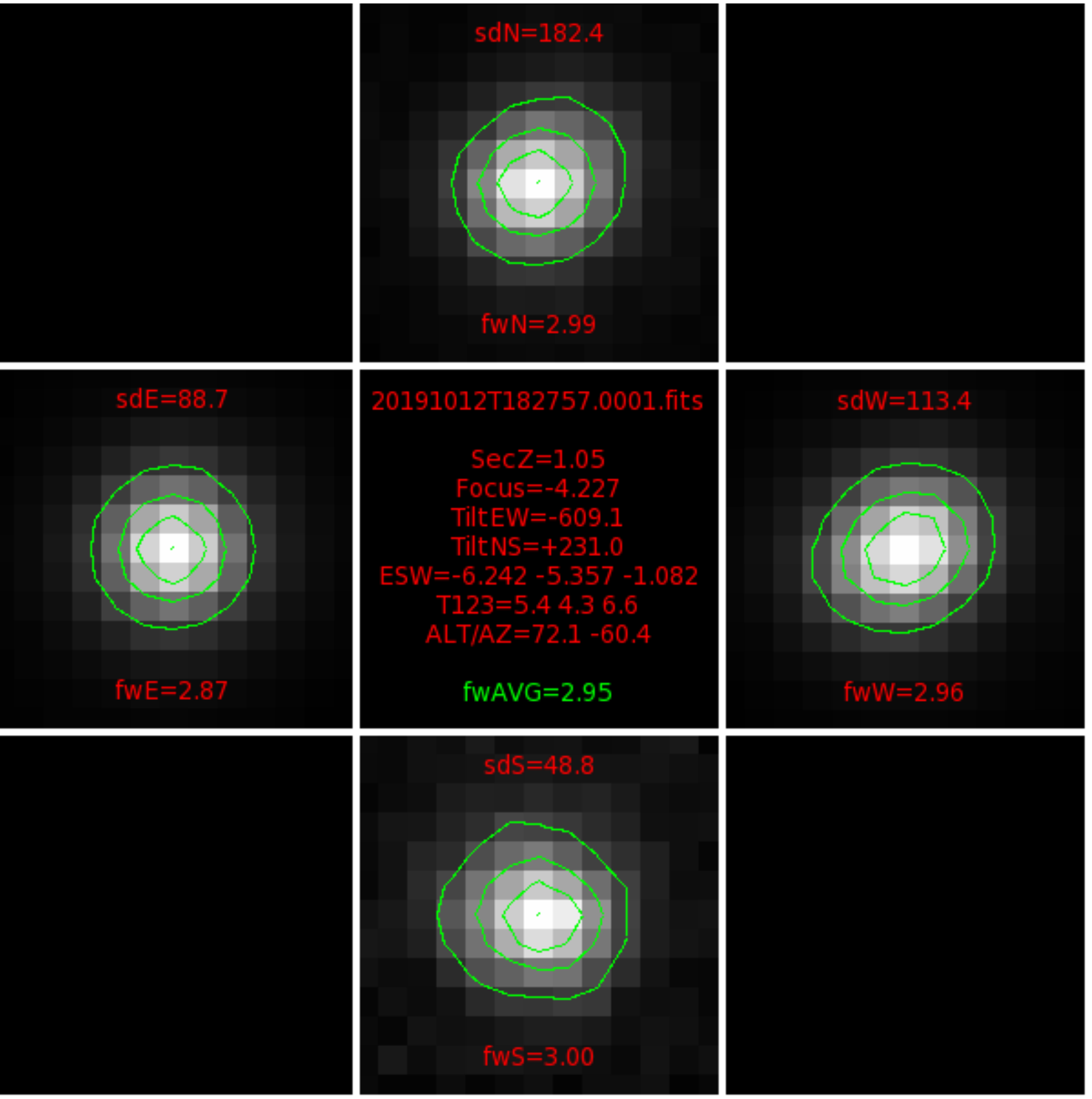
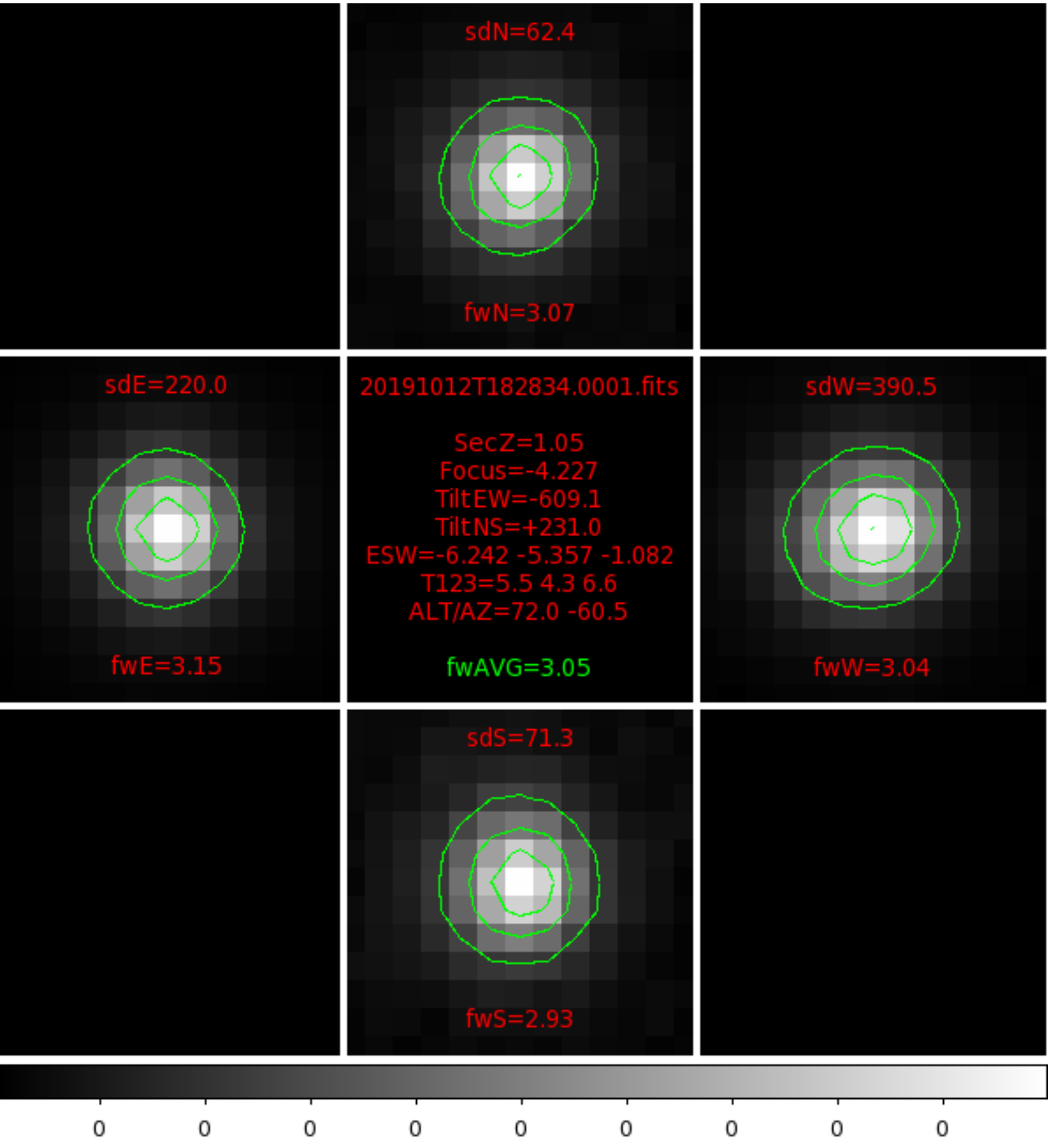

sdN=316.8
fwN=2.80
sdE=426.7
fwE=2.54
20191012T182554.0001.fits
SecZ=1.06
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.4 4.2 6.6
ALT/AZ=71.1 -67.7
fwAVG=2.59
sdW=43.3
fwW=2.60
sdS=477.5
fwS=2.43
0 0 0 0 0 0 0 0 0


sdN=468.8
fwN=3.00
sdE=43.0
fwE=2.91
20191012T182631.0001.fits
SecZ=1.06
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.5 4.2 6.6
ALT/AZ=70.9 -67.8
fwAVG=2.89
sdW=46.0
fwW=2.78
sdS=144.3
fwS=2.88
0 0 0 0 0 0 0 0 0


sdN=182.4
fwN=2.99
sdE=88.7
fwE=2.87
20191012T182757.0001.fits
SecZ=1.05
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.4 4.3 6.6
ALT/AZ=72.1 -60.4
fwAVG=2.95
sdW=113.4
fwW=2.96
sdS=48.8
fwS=3.00
0 0 0 0 0 0 0 0 0


sdN=62.4
fwN=3.07
sdE=220.0
fwE=3.15
20191012T182834.0001.fits
SecZ=1.05
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.5 4.3 6.6
ALT/AZ=72.0 -60.5
fwAVG=3.05
sdW=390.5
fwW=3.04
sdS=71.3
fwS=2.93
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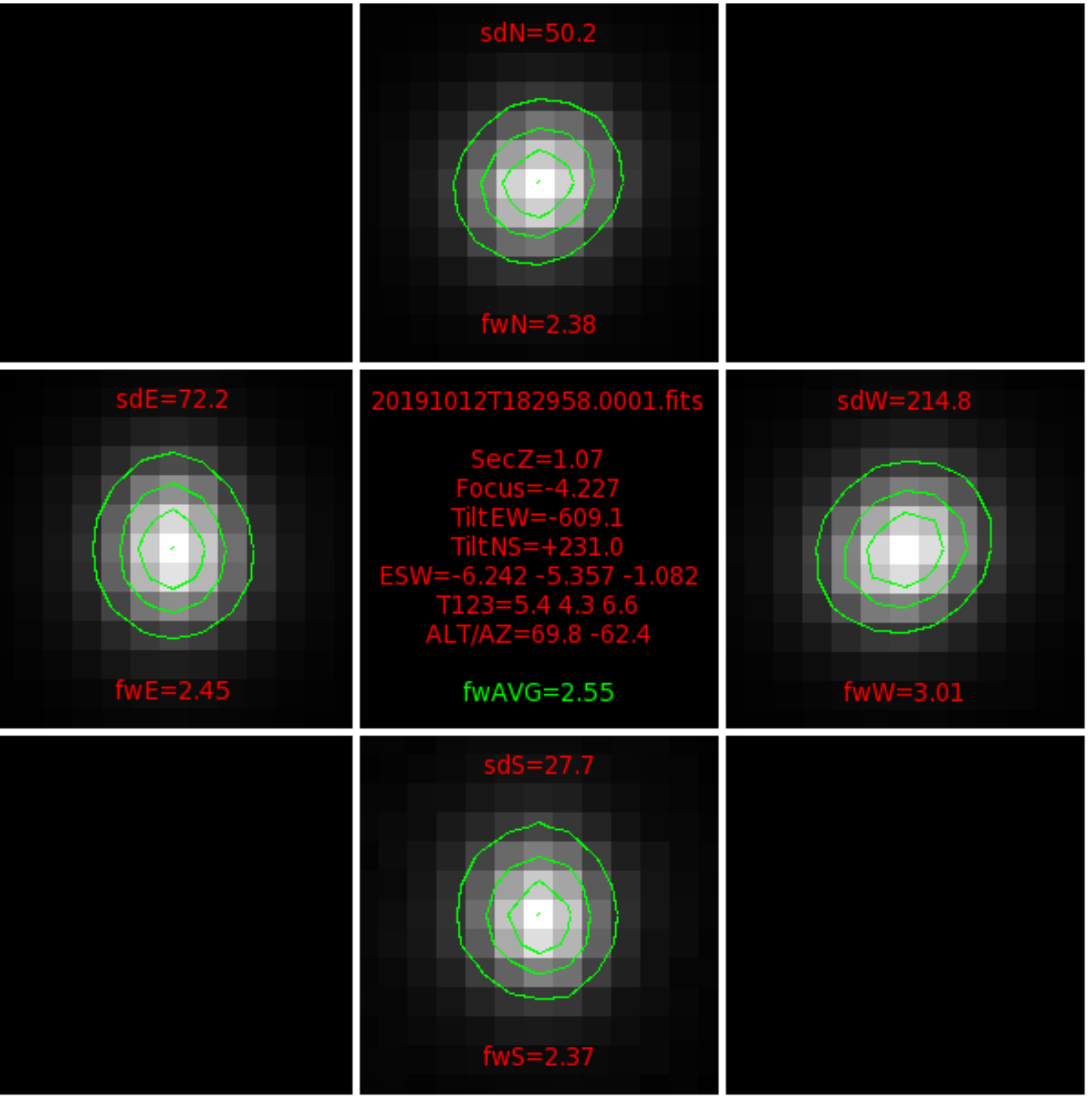
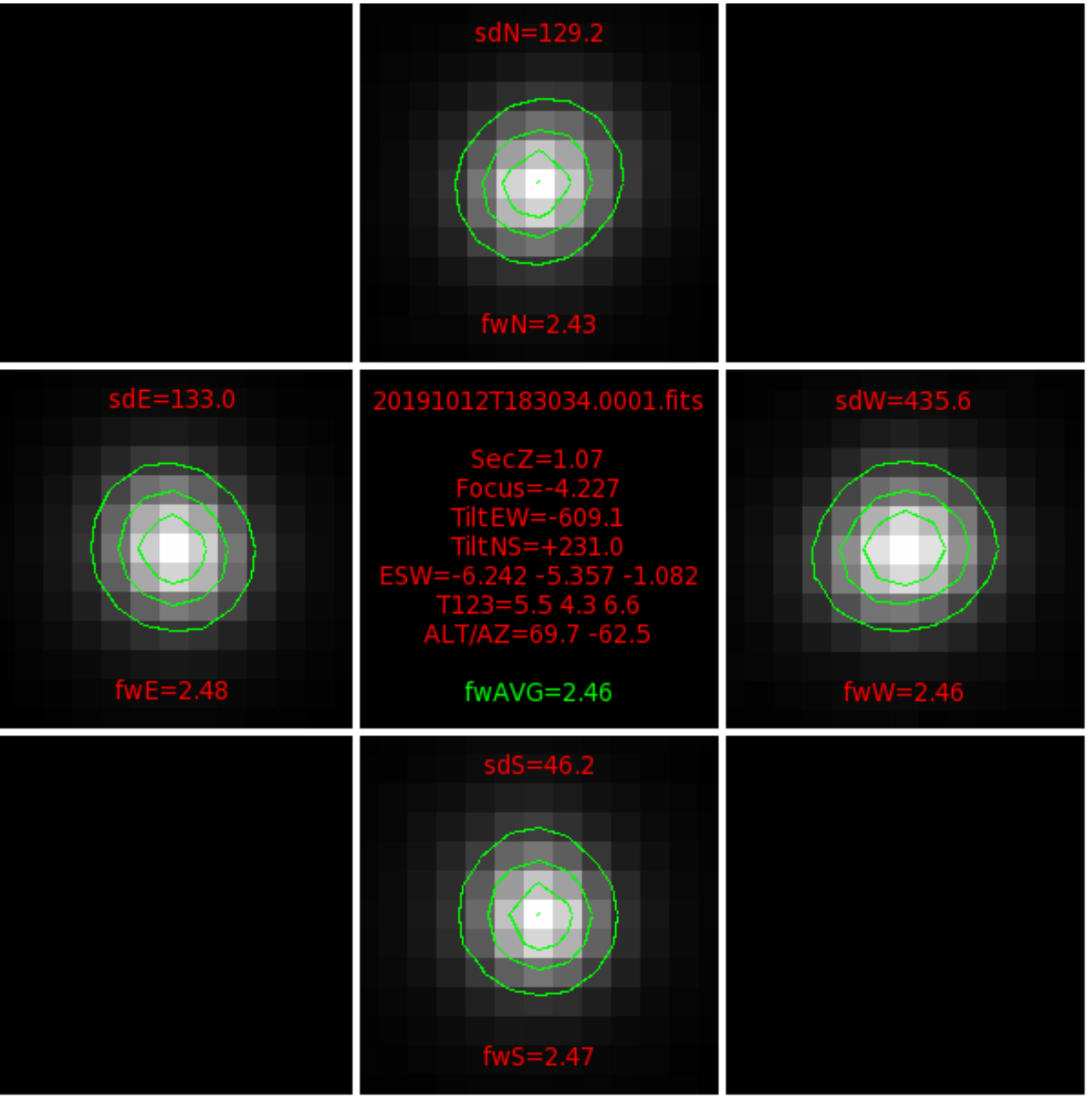
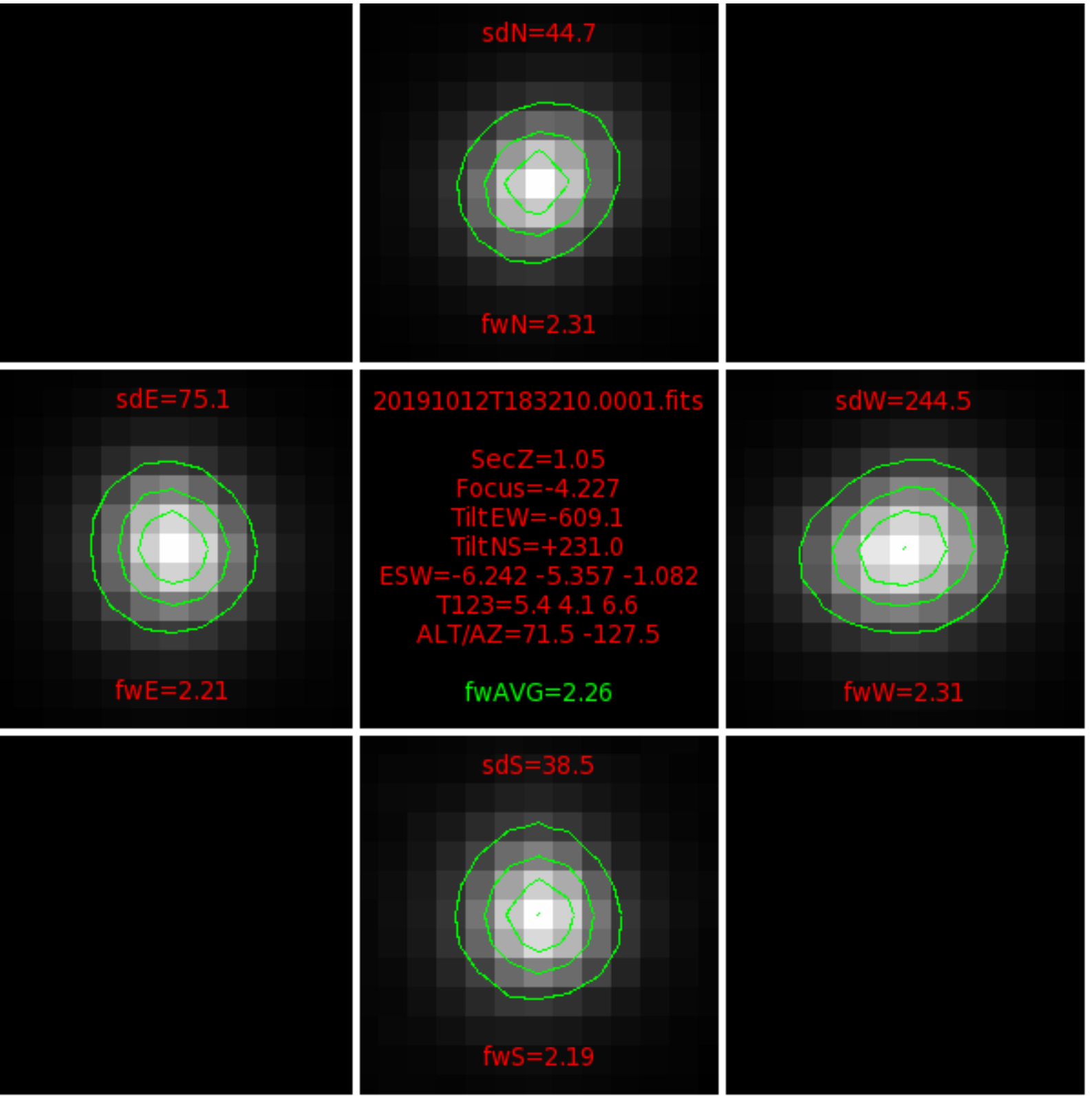
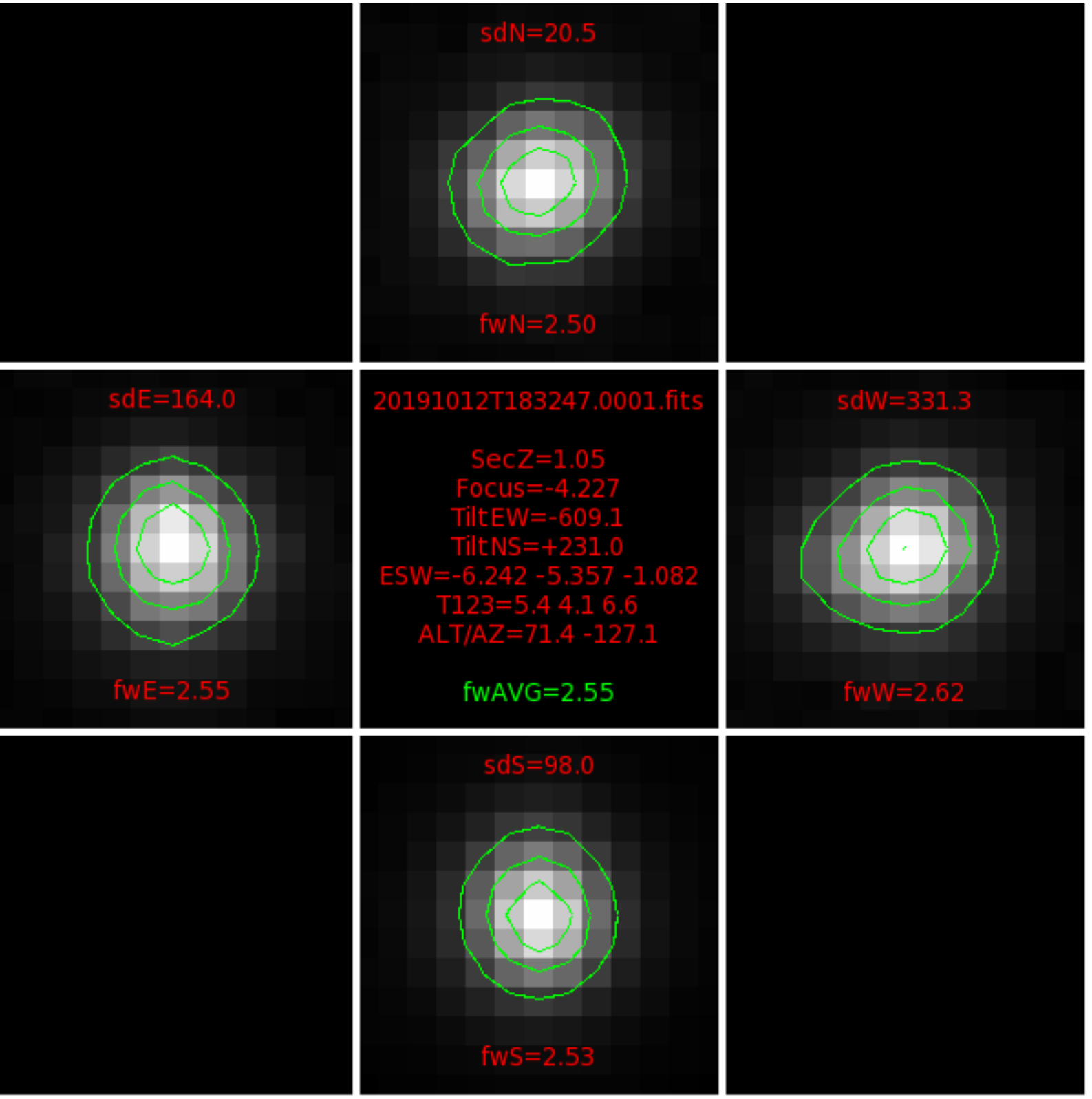
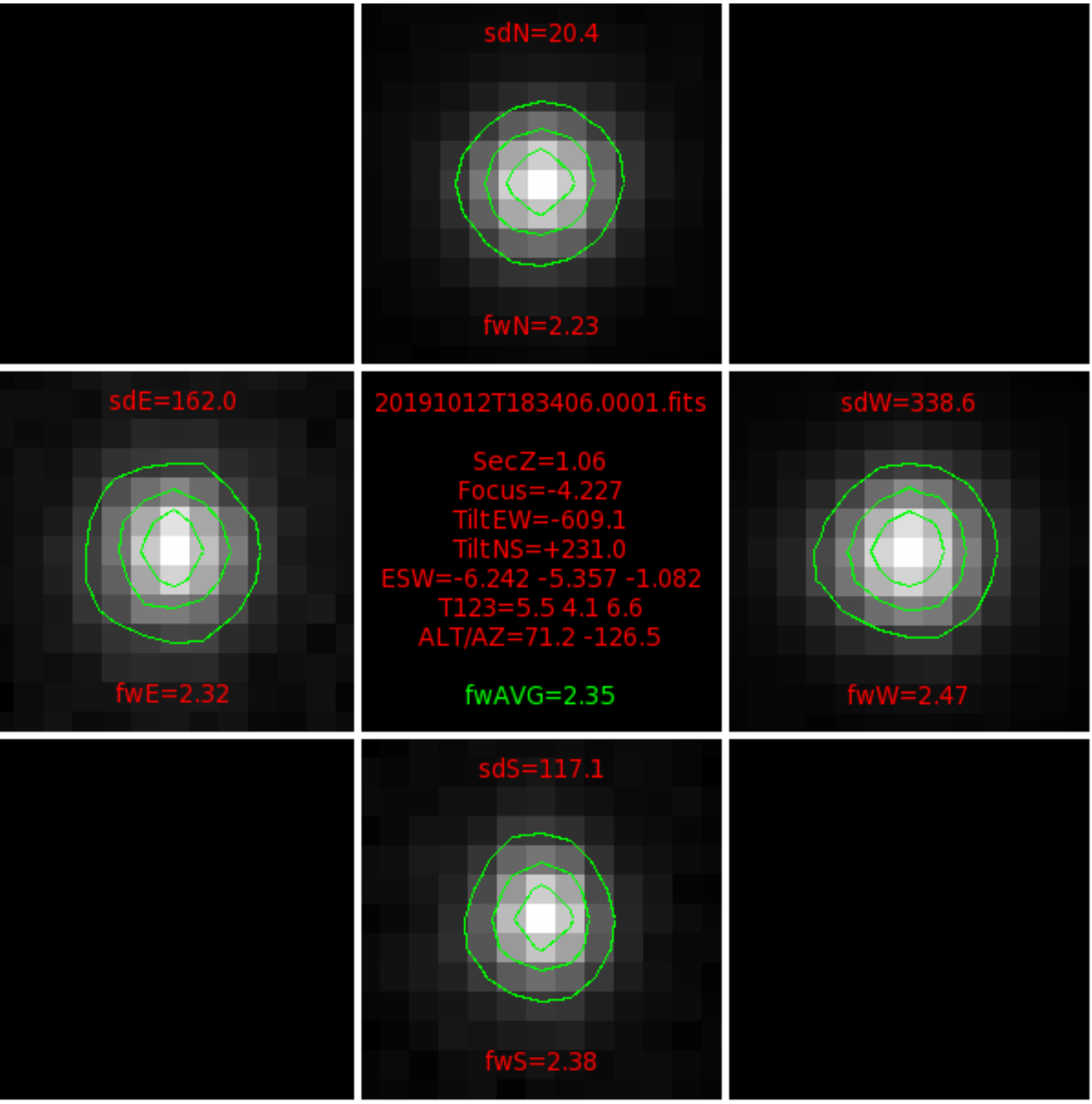
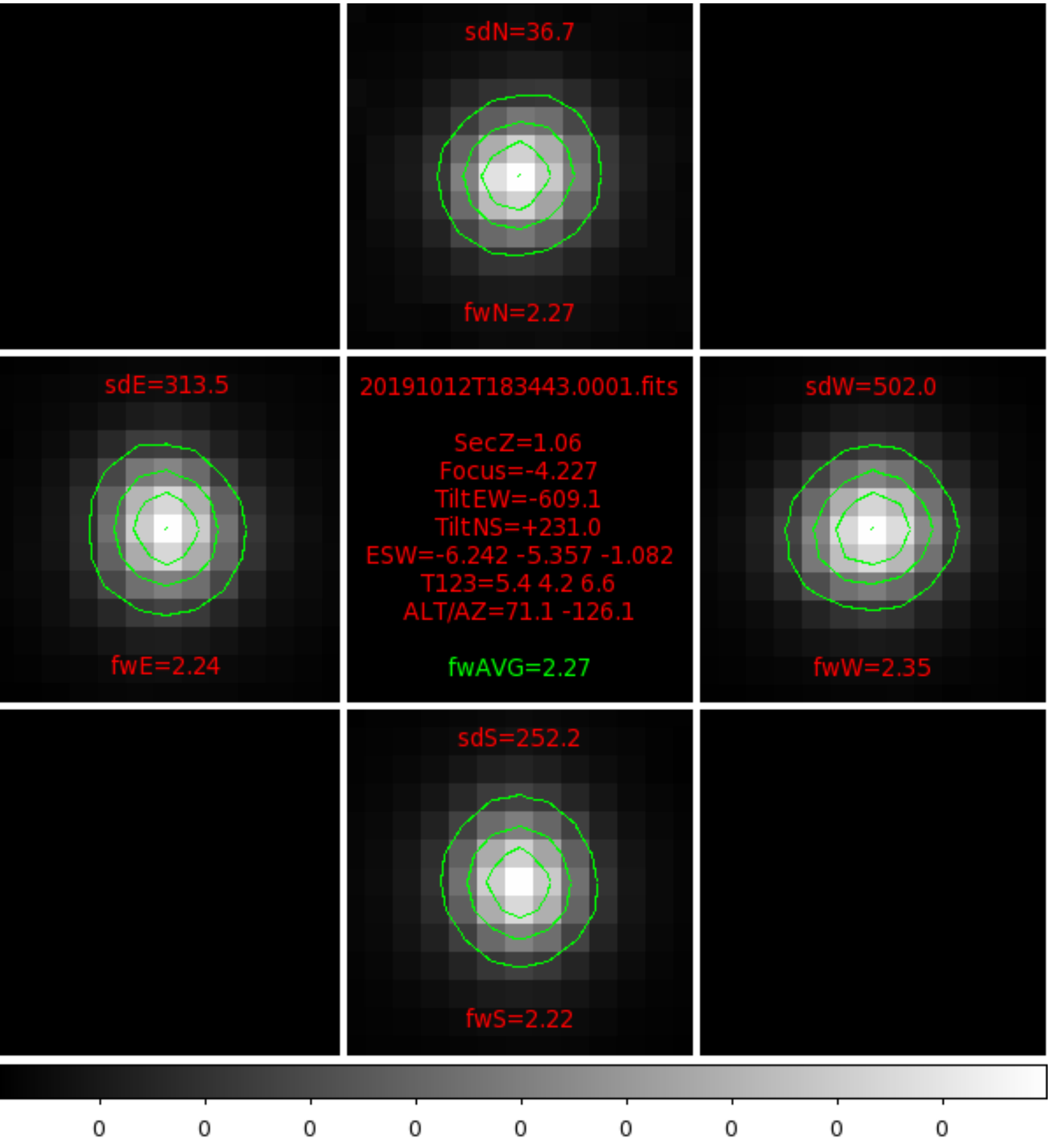

sdN=50.2
fwN=2.38
sdE=72.2
fwE=2.45
20191012T182958.0001.fits
SecZ=1.07
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.4 4.3 6.6
ALT/AZ=69.8 -62.4
fwAVG=2.55
sdW=214.8
fwW=3.01
sdS=27.7
fwS=2.37
0 0 0 0 0 0 0 0 0


sdN=129.2
fwN=2.43
sdE=133.0
fwE=2.48
20191012T183034.0001.fits
SecZ=1.07
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.5 4.3 6.6
ALT/AZ=69.7 -62.5
fwAVG=2.46
sdW=435.6
fwW=2.46
sdS=46.2
fwS=2.47
0 0 0 0 0 0 0 0 0


sdN=44.7
fwN=2.31
sdE=75.1
fwE=2.21
20191012T183210.0001.fits
SecZ=1.05
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.4 4.1 6.6
ALT/AZ=71.5 -127.5
fwAVG=2.26
sdW=244.5
fwW=2.31
sdS=38.5
fwS=2.19
0 0 0 0 0 0 0 0 0


sdN=20.5
fwN=2.50
sdE=164.0
fwE=2.55
20191012T183247.0001.fits
SecZ=1.05
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.4 4.1 6.6
ALT/AZ=71.4 -127.1
fwAVG=2.55
sdW=331.3
fwW=2.62
sdS=98.0
fwS=2.53
0 0 0 0 0 0 0 0 0


sdN=20.4
fwN=2.23
sdE=162.0
fwE=2.32
20191012T183406.0001.fits
SecZ=1.06
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.5 4.1 6.6
ALT/AZ=71.2 -126.5
fwAVG=2.35
sdW=338.6
fwW=2.47
sdS=117.1
fwS=2.38
0 0 0 0 0 0 0 0 0


sdN=36.7
fwN=2.27
sdE=313.5
fwE=2.24
20191012T183443.0001.fits
SecZ=1.06
Focus=-4.227
TiltEW=-609.1
TiltNS=+231.0
ESW=-6.242 -5.357 -1.082
T123=5.4 4.2 6.6
ALT/AZ=71.1 -126.1
fwAVG=2.27
sdW=502.0
fwW=2.35
sdS=252.2
fwS=2.22
0 0 0 0 0 0 0 0 0