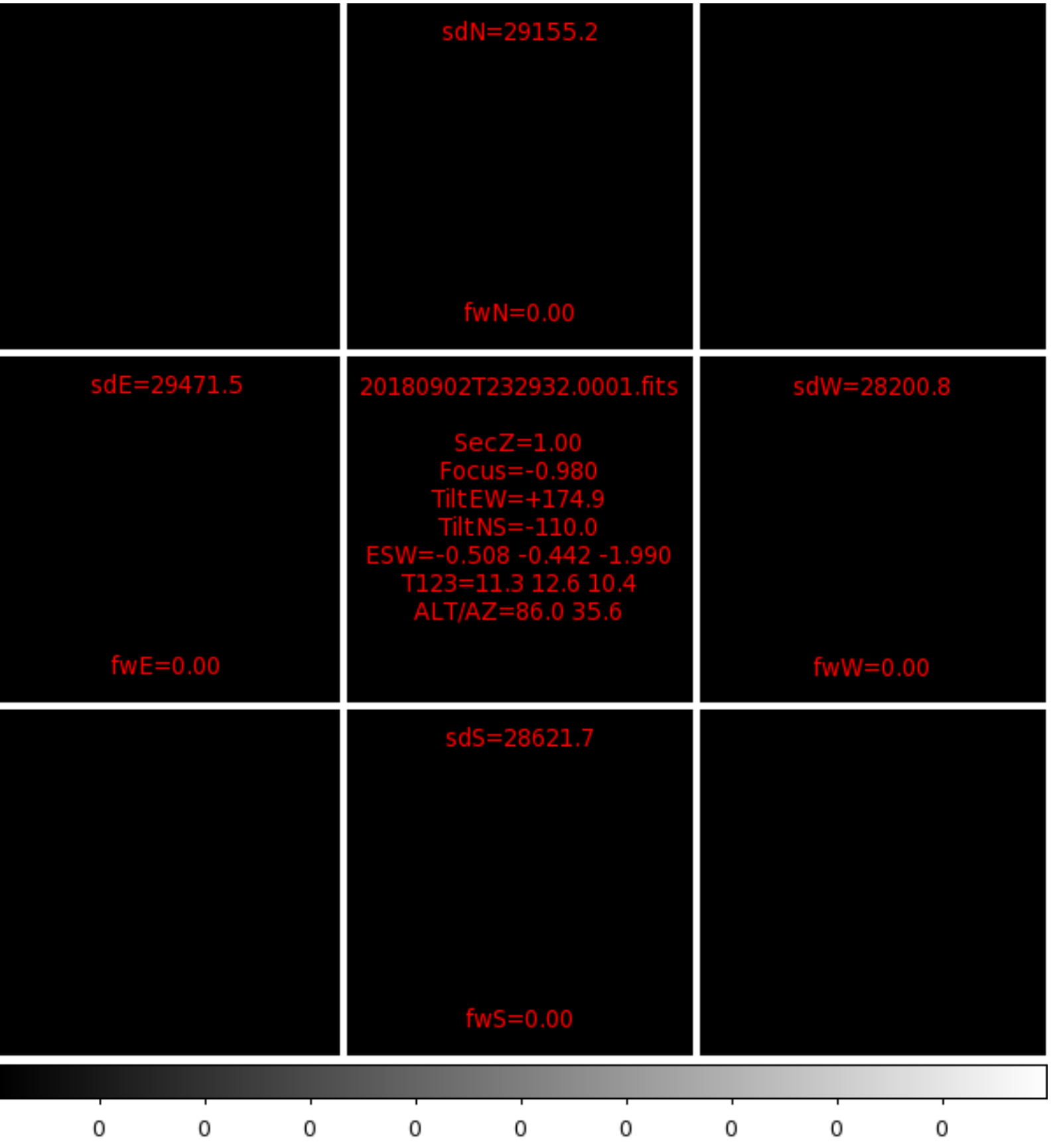
sdN=29155.2
fwN=0.00
sdE=29471.5
fwE=0.00
20180902T232932.0001.fits
SecZ=1.00
Focus=-0.980
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.508 -0.442 -1.990
T123=11.3 12.6 10.4
ALT/AZ=86.0 35.6
sdW=28200.8
fwW=0.00
sdS=28621.7
fwS=0.00
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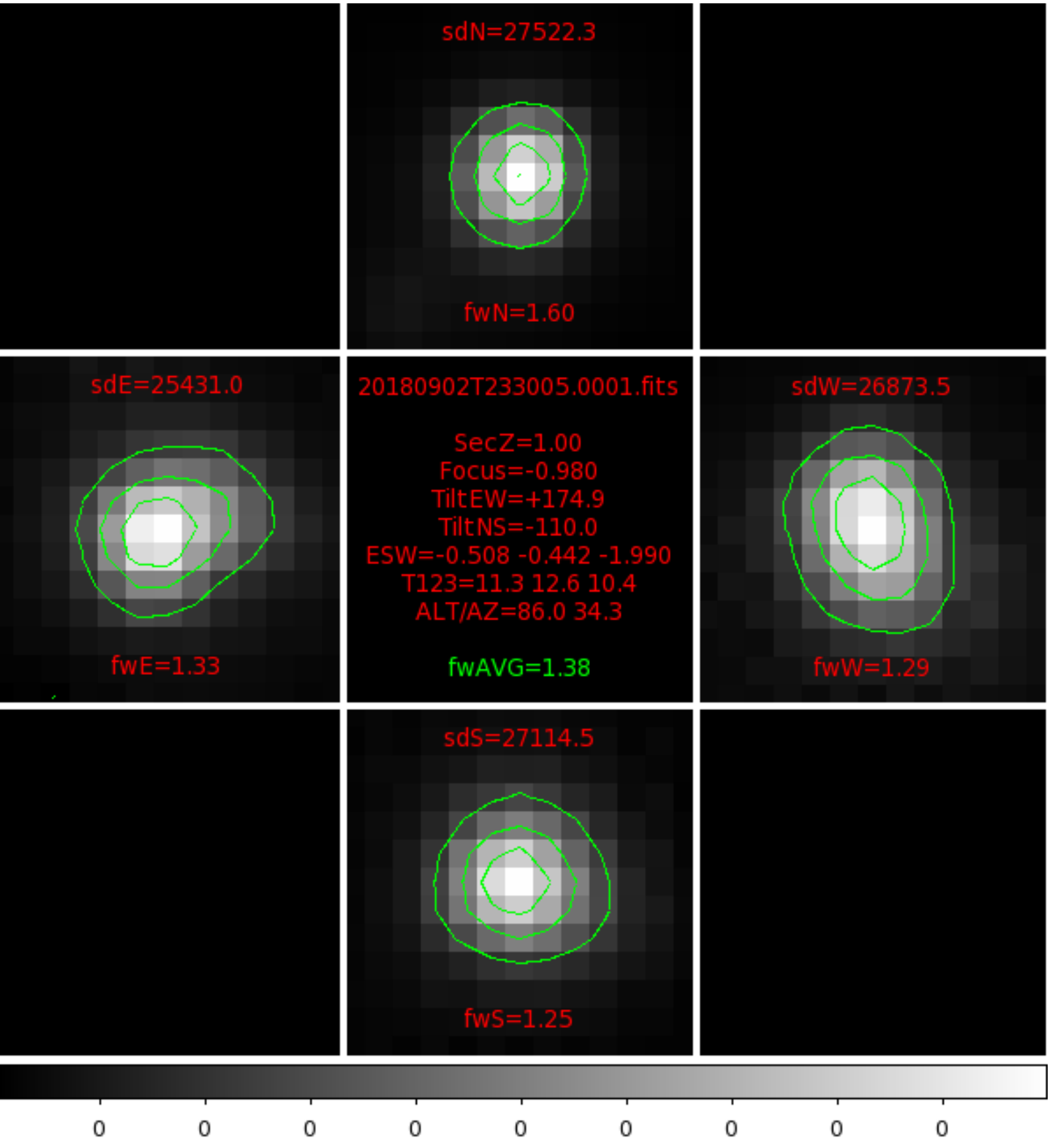
sdN=27522.3
fwN=1.60
sdE=25431.0
fwE=1.33
20180902T233005.0001.fits
SecZ=1.00
Focus=-0.980
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.508 -0.442 -1.990
T123=11.3 12.6 10.4
ALT/AZ=86.0 34.3
fwAVG=1.38
sdW=26873.5
fwW=1.29
sdS=27114.5
fwS=1.25
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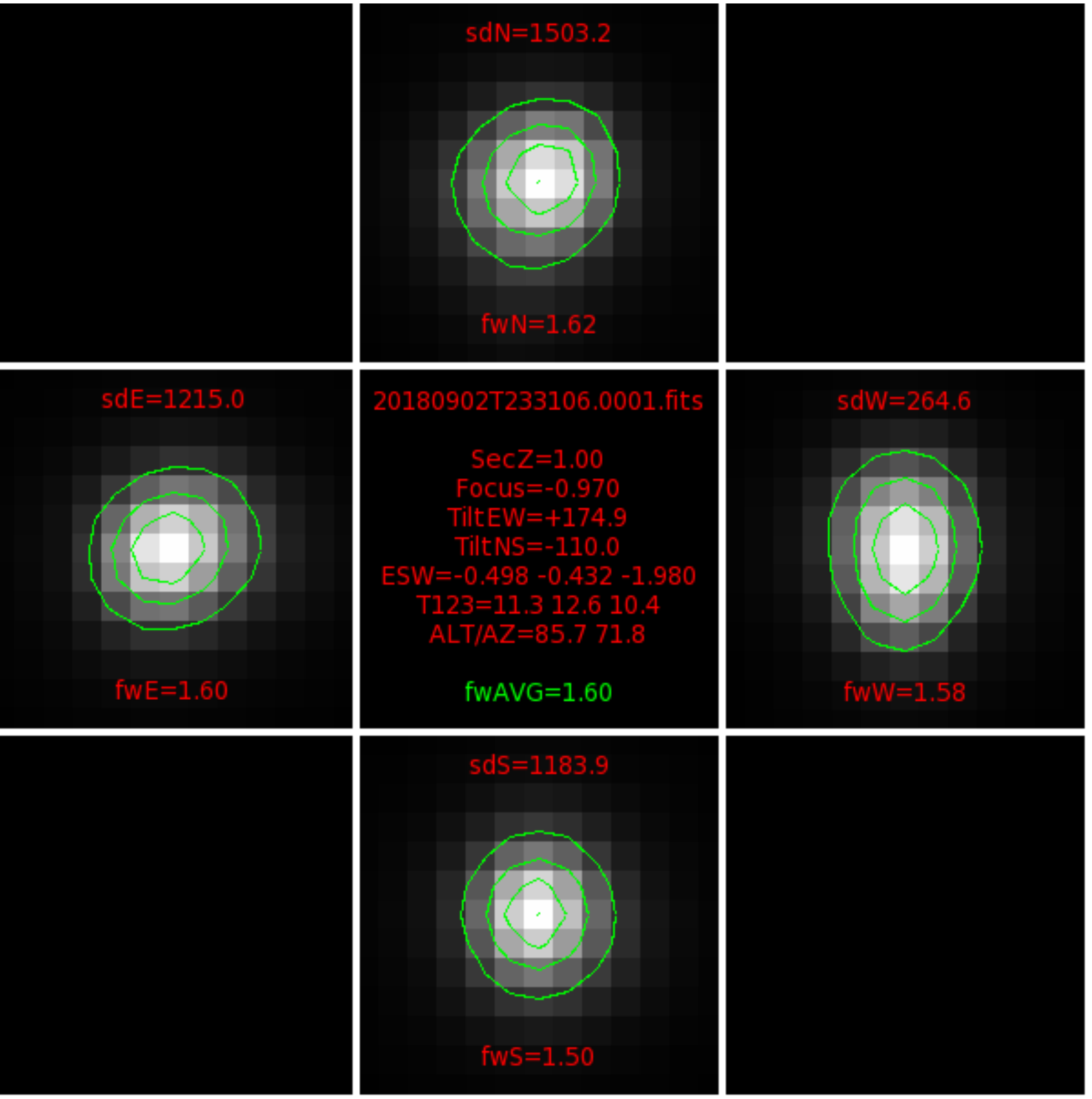
sdN=1503.2
fwN=1.62
sdE=1215.0
fwE=1.60
20180902T233106.0001.fits
SecZ=1.00
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=11.3 12.6 10.4
ALT/AZ=85.7 71.8
fwAVG=1.60
sdW=264.6
fwW=1.58
sdS=1183.9
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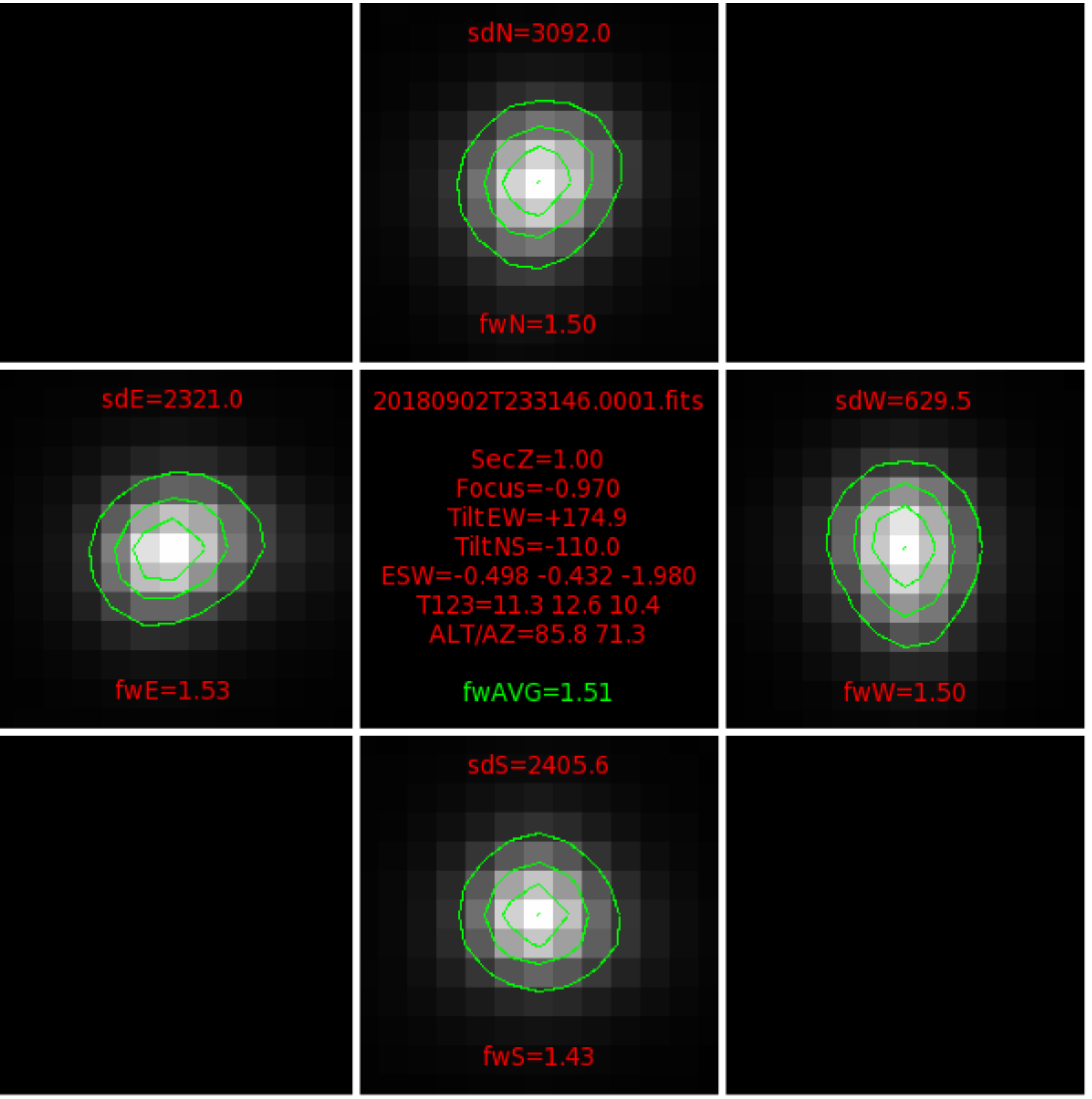
sdN=3092.0
fwN=1.50
sdE=2321.0
fwE=1.53
20180902T233146.0001.fits
SecZ=1.00
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=11.3 12.6 10.4
ALT/AZ=85.8 71.3
fwAVG=1.51
sdW=629.5
fwW=1.50
sdS=2405.6
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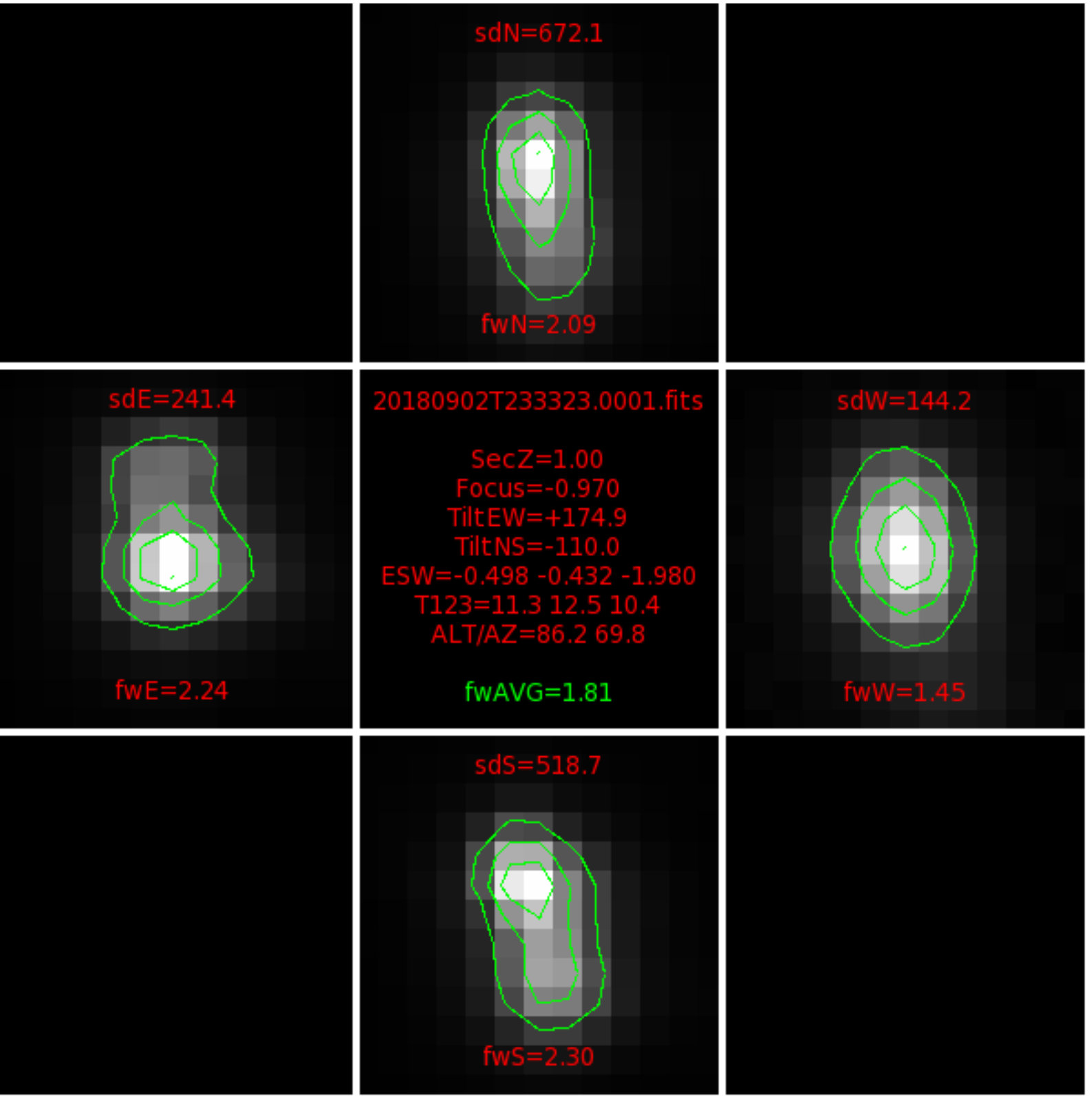
sdN=672.1
fwN=2.09
sdE=241.4
fwE=2.24
20180902T233323.0001.fits
SecZ=1.00
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=11.3 12.5 10.4
ALT/AZ=86.2 69.8
fwAVG=1.81
sdW=144.2
fwW=1.45
sdS=518.7
fwS=2.30
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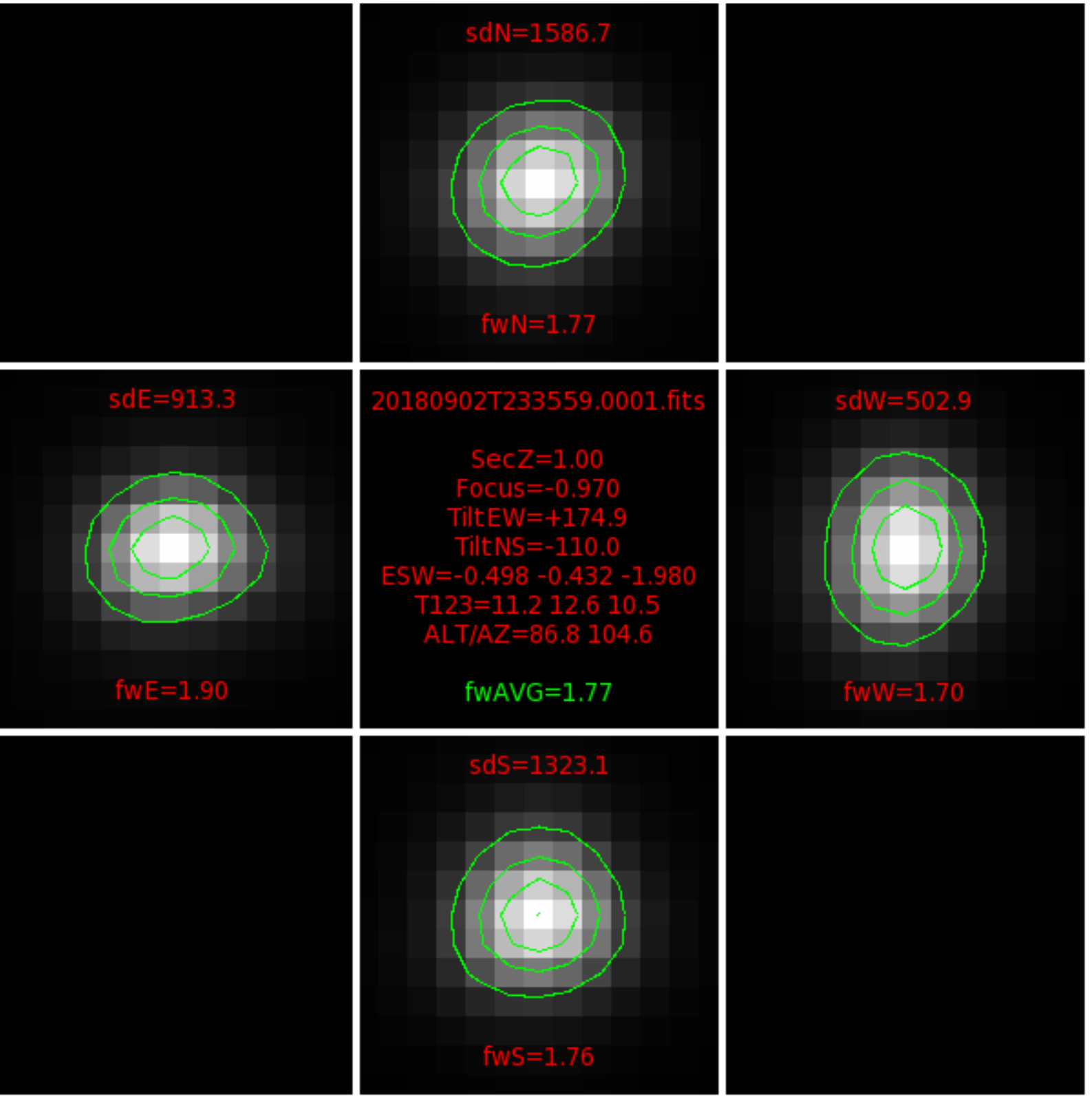
sdN=1586.7
fwN=1.77
sdE=913.3
fwE=1.90
20180902T233559.0001.fits
SecZ=1.00
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=11.2 12.6 10.5
ALT/AZ=86.8 104.6
fwAVG=1.77
sdW=502.9
fwW=1.70
sdS=1323.1
fwS=1.76
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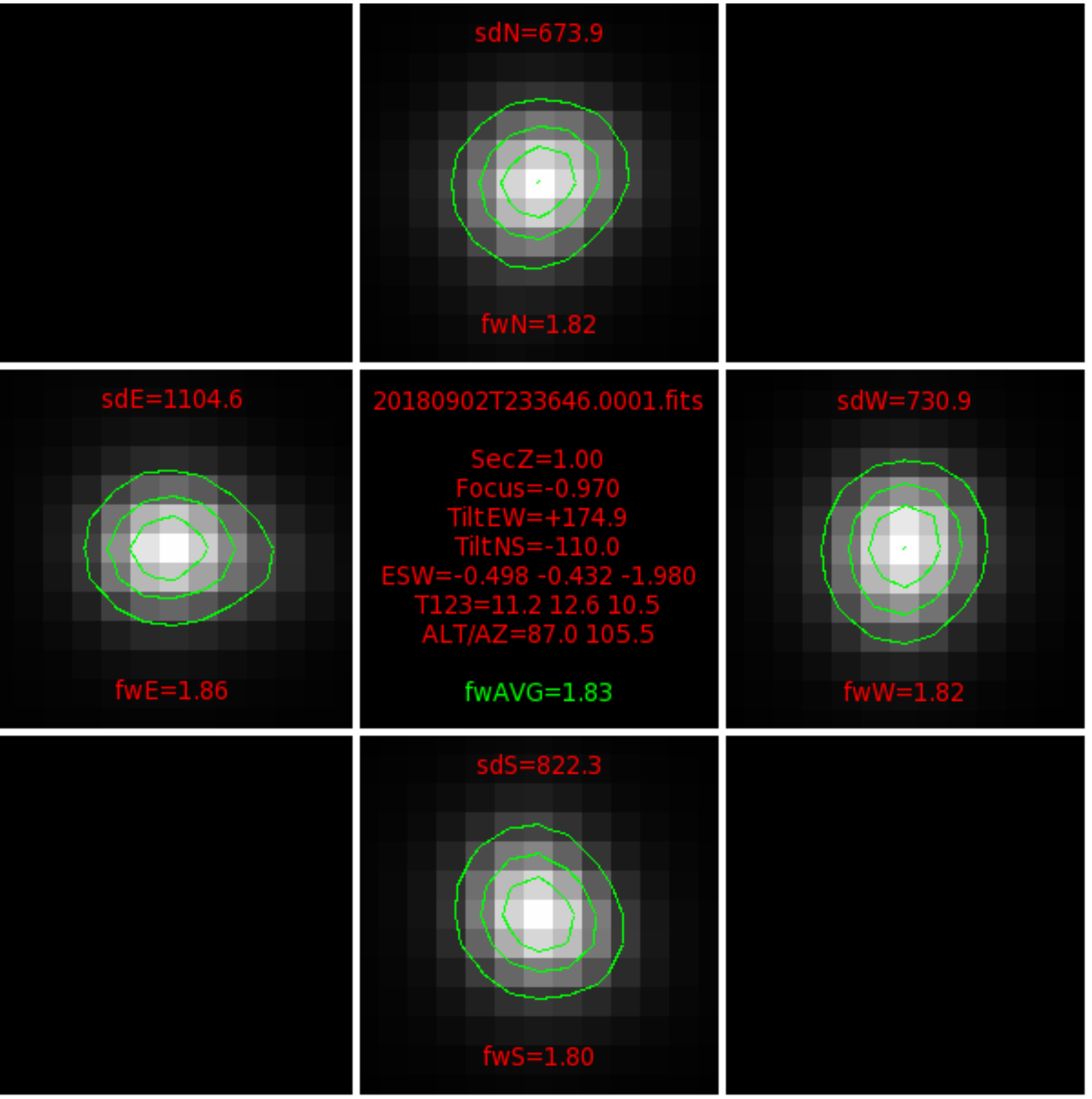
sdN=673.9
fwN=1.82
sdE=1104.6
fwE=1.86
20180902T233646.0001.fits
SecZ=1.00
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=11.2 12.6 10.5
ALT/AZ=87.0 105.5
fwAVG=1.83
sdW=730.9
fwW=1.82
sdS=822.3
fwS=1.80
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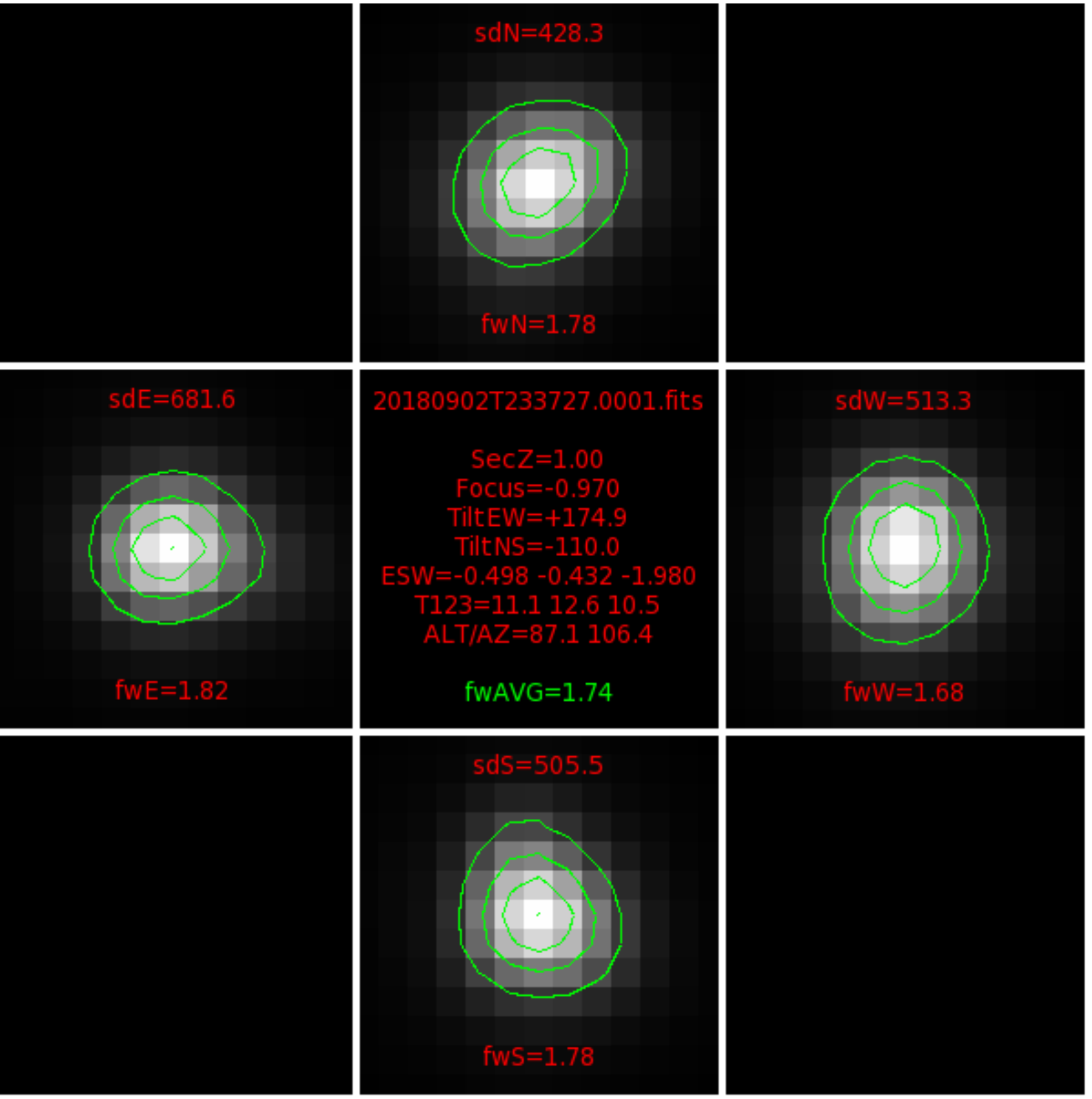
sdN=428.3
fwN=1.78
sdE=681.6
fwE=1.82
20180902T233727.0001.fits
SecZ=1.00
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=11.1 12.6 10.5
ALT/AZ=87.1 106.4
fwAVG=1.74
sdW=513.3
fwW=1.68
sdS=505.5
fwS=1.78
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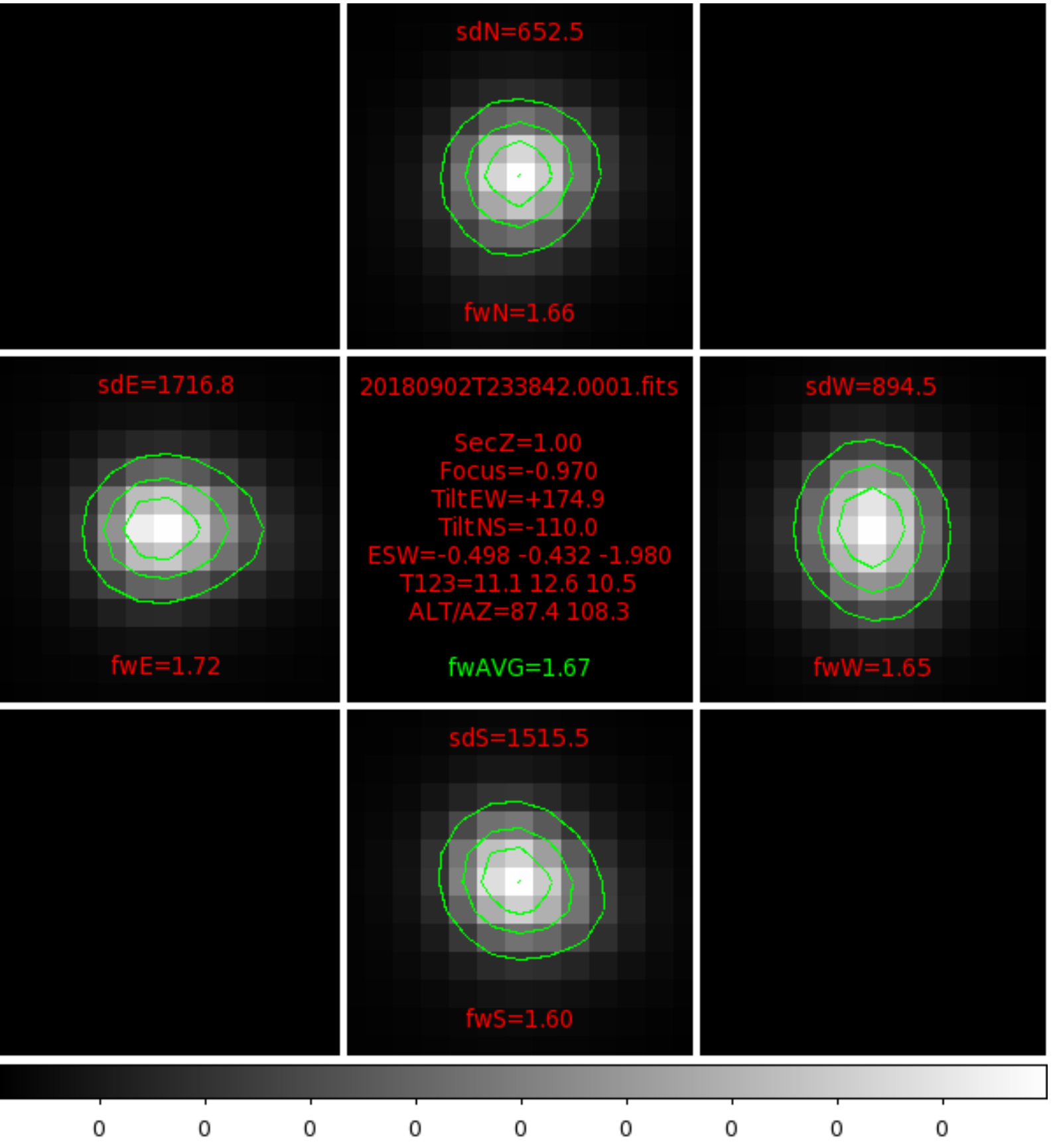
sdN=652.5
fwN=1.66
sdE=1716.8
fwE=1.72
20180902T233842.0001.fits
SecZ=1.00
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=11.1 12.6 10.5
ALT/AZ=87.4 108.3
fwAVG=1.67
sdW=894.5
fwW=1.65
sdS=1515.5
fwS=1.60
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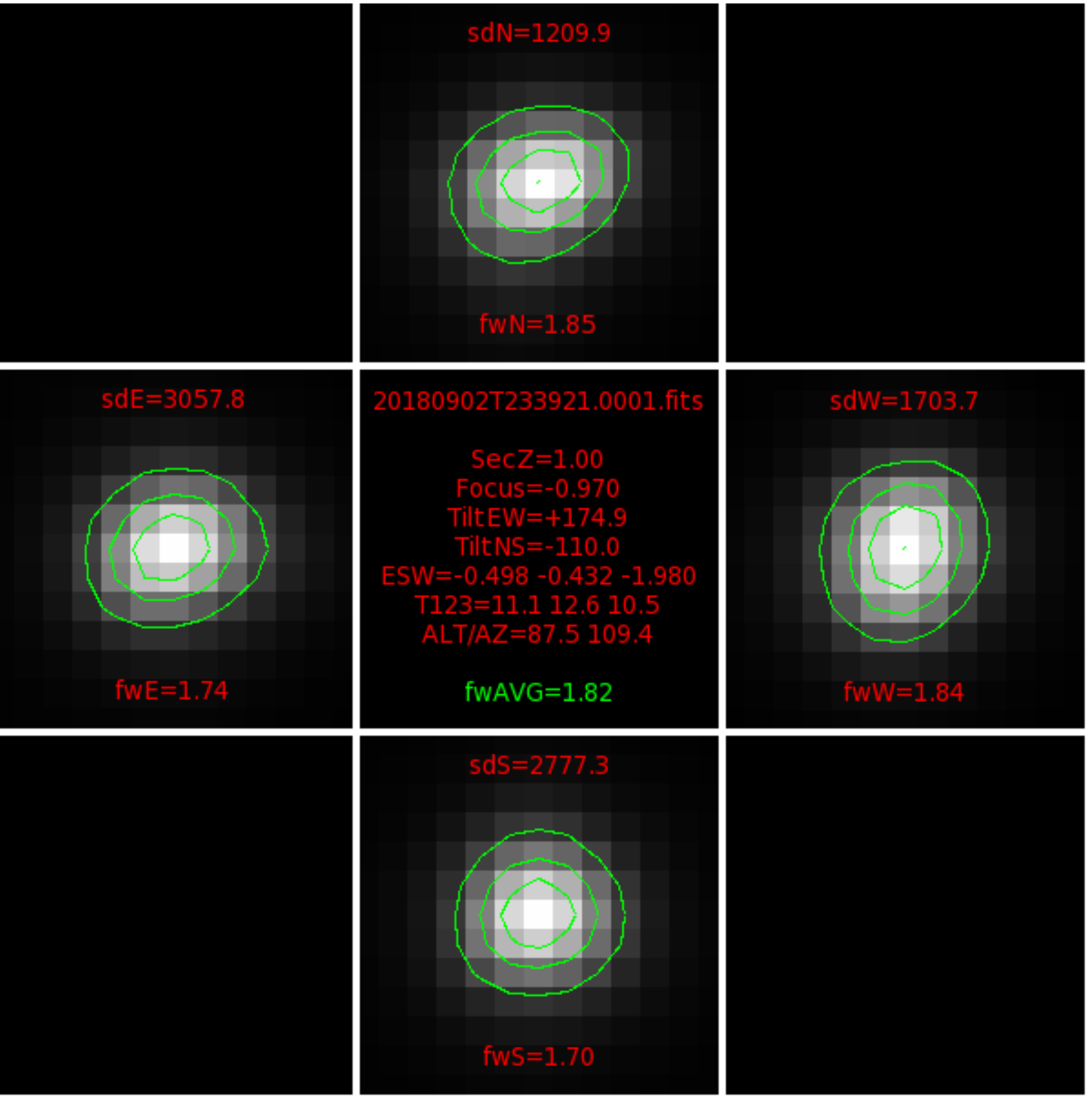
sdN=1209.9
fwN=1.85
sdE=3057.8
fwE=1.74
20180902T233921.0001.fits
SecZ=1.00
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=11.1 12.6 10.5
ALT/AZ=87.5 109.4
fwAVG=1.82
sdW=1703.7
fwW=1.84
sdS=2777.3
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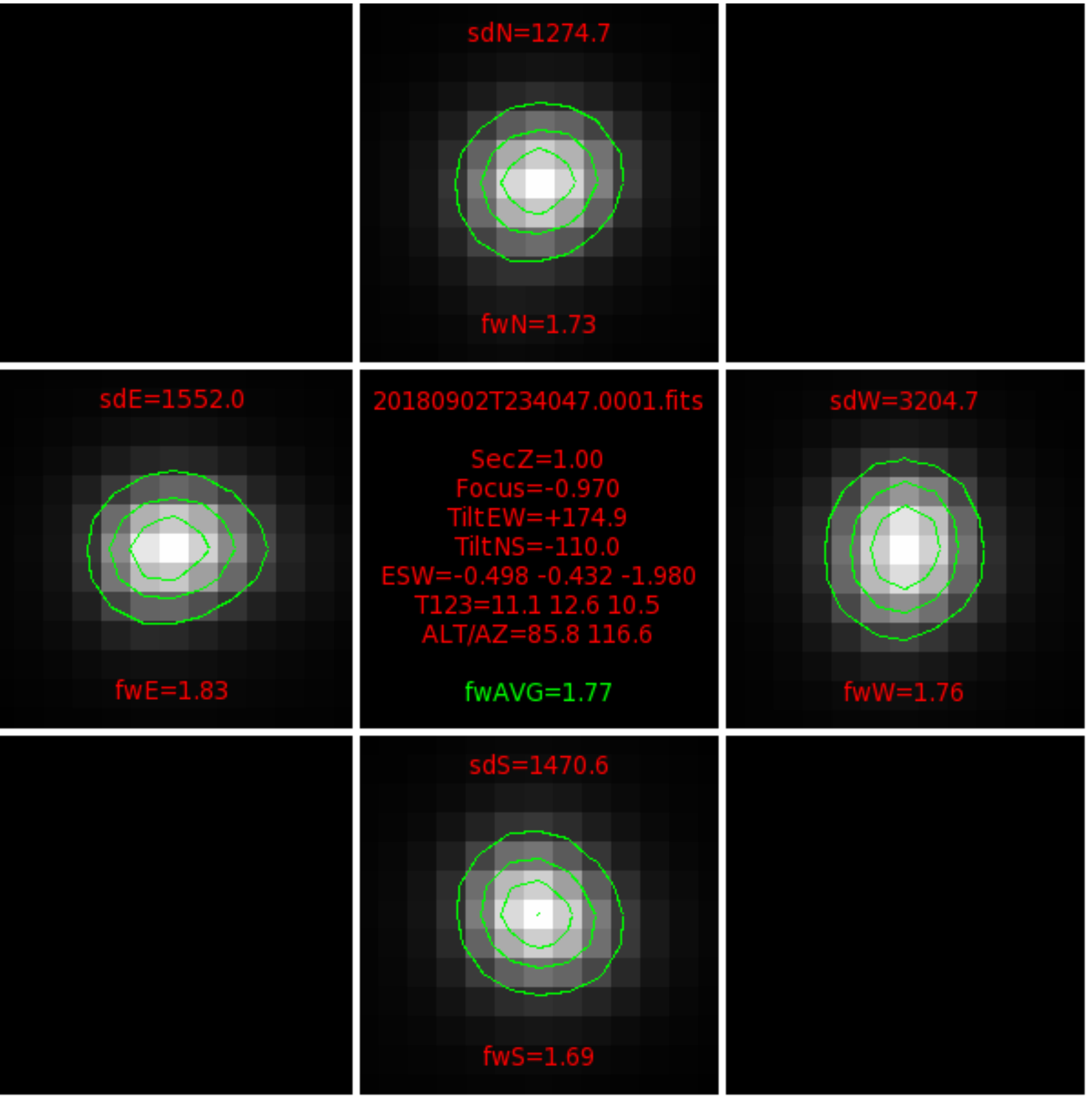
sdN=1274.7
fwN=1.73
sdE=1552.0
fwE=1.83
20180902T234047.0001.fits
SecZ=1.00
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=11.1 12.6 10.5
ALT/AZ=85.8 116.6
fwAVG=1.77
sdW=3204.7
fwW=1.76
sdS=1470.6
fwS=1.69
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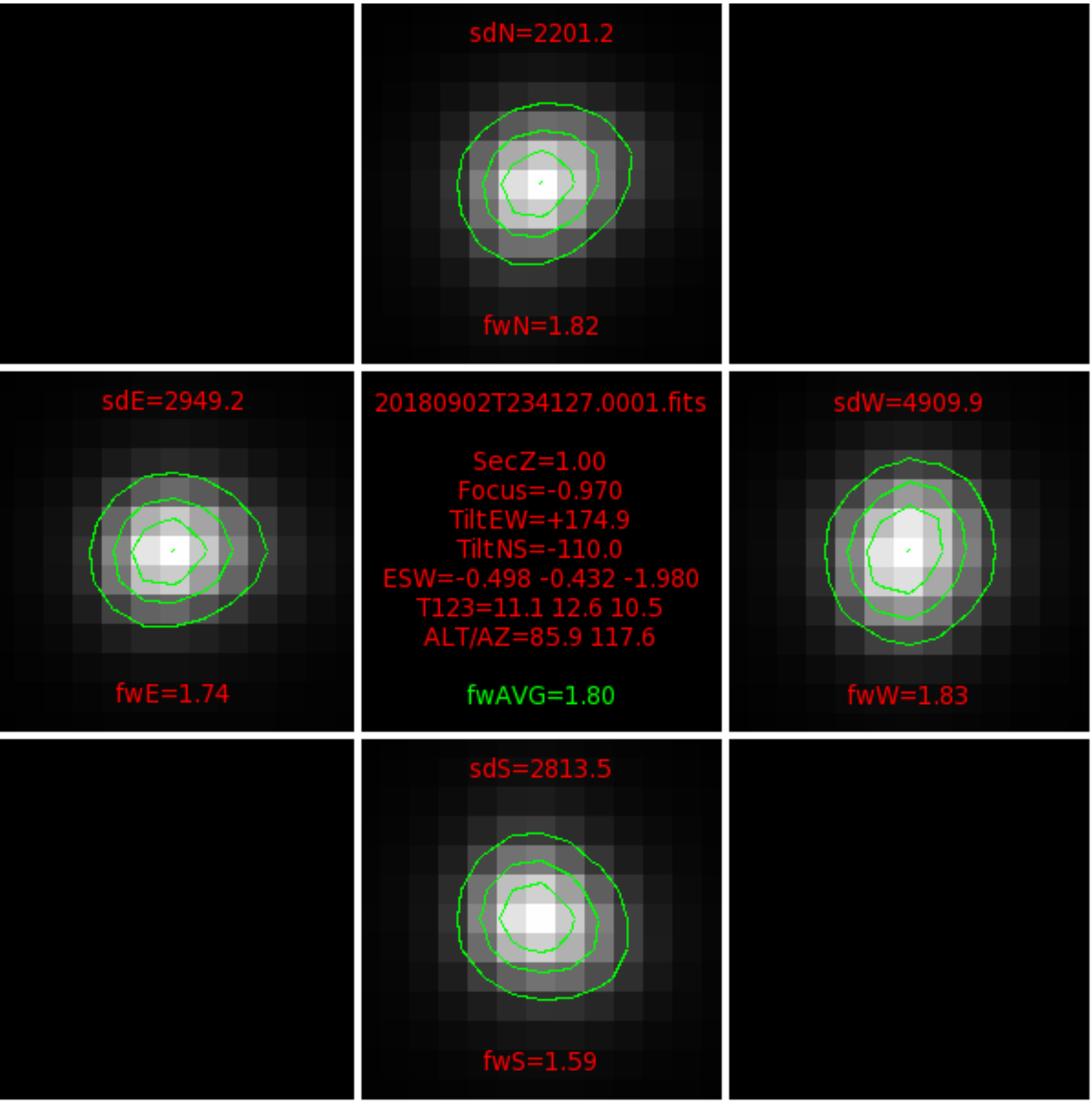
sdN=2201.2
fwN=1.82
sdE=2949.2
fwE=1.74
20180902T234127.0001.fits
SecZ=1.00
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=11.1 12.6 10.5
ALT/AZ=85.9 117.6
fwAVG=1.80
sdW=4909.9
fwW=1.83
sdS=2813.5
fwS=1.59
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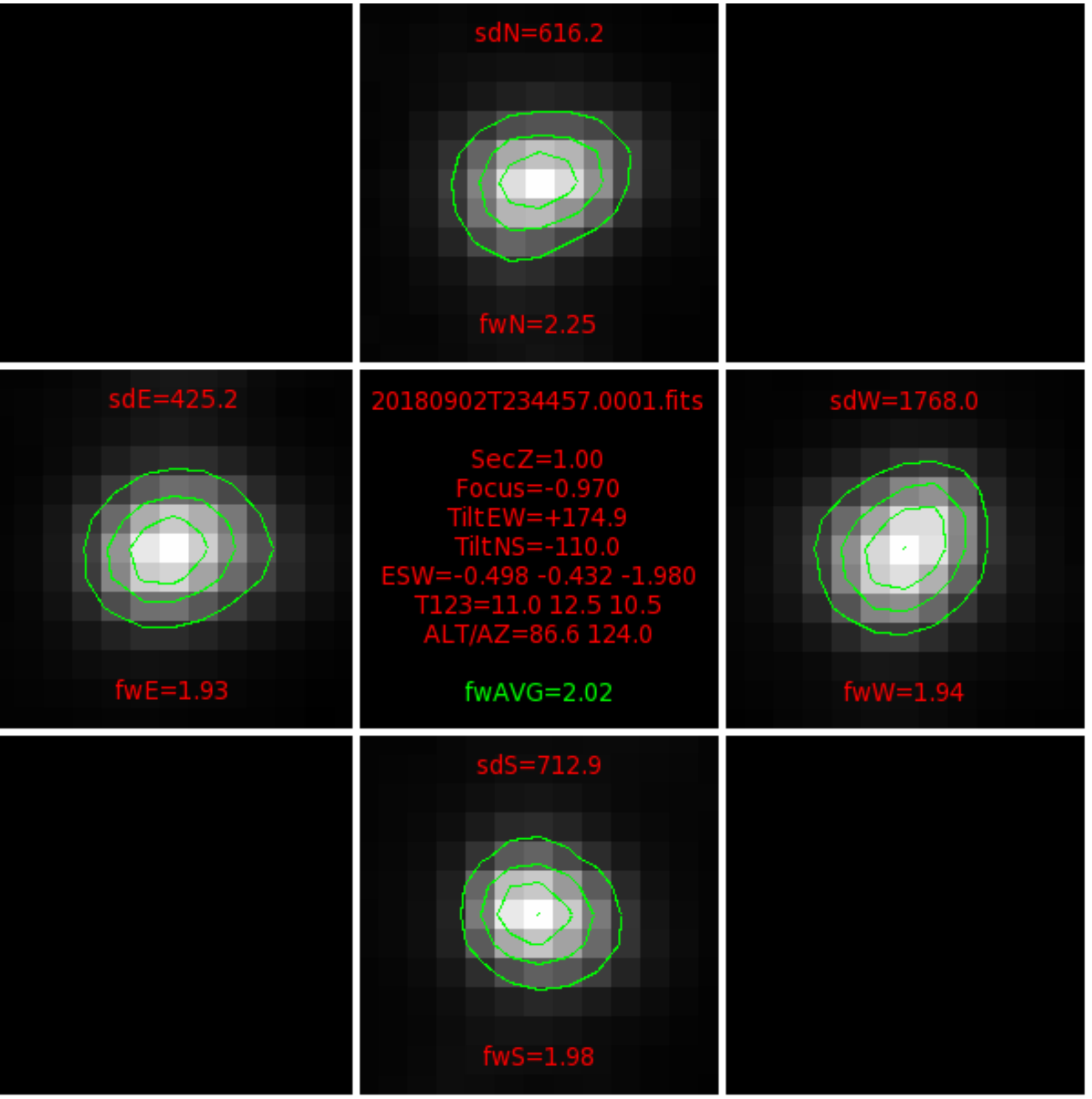
sdN=616.2
fwN=2.25
sdE=425.2
fwE=1.93
20180902T234457.0001.fits
SecZ=1.00
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=11.0 12.5 10.5
ALT/AZ=86.6 124.0
fwAVG=2.02
sdW=1768.0
fwW=1.94
sdS=712.9
fwS=1.98
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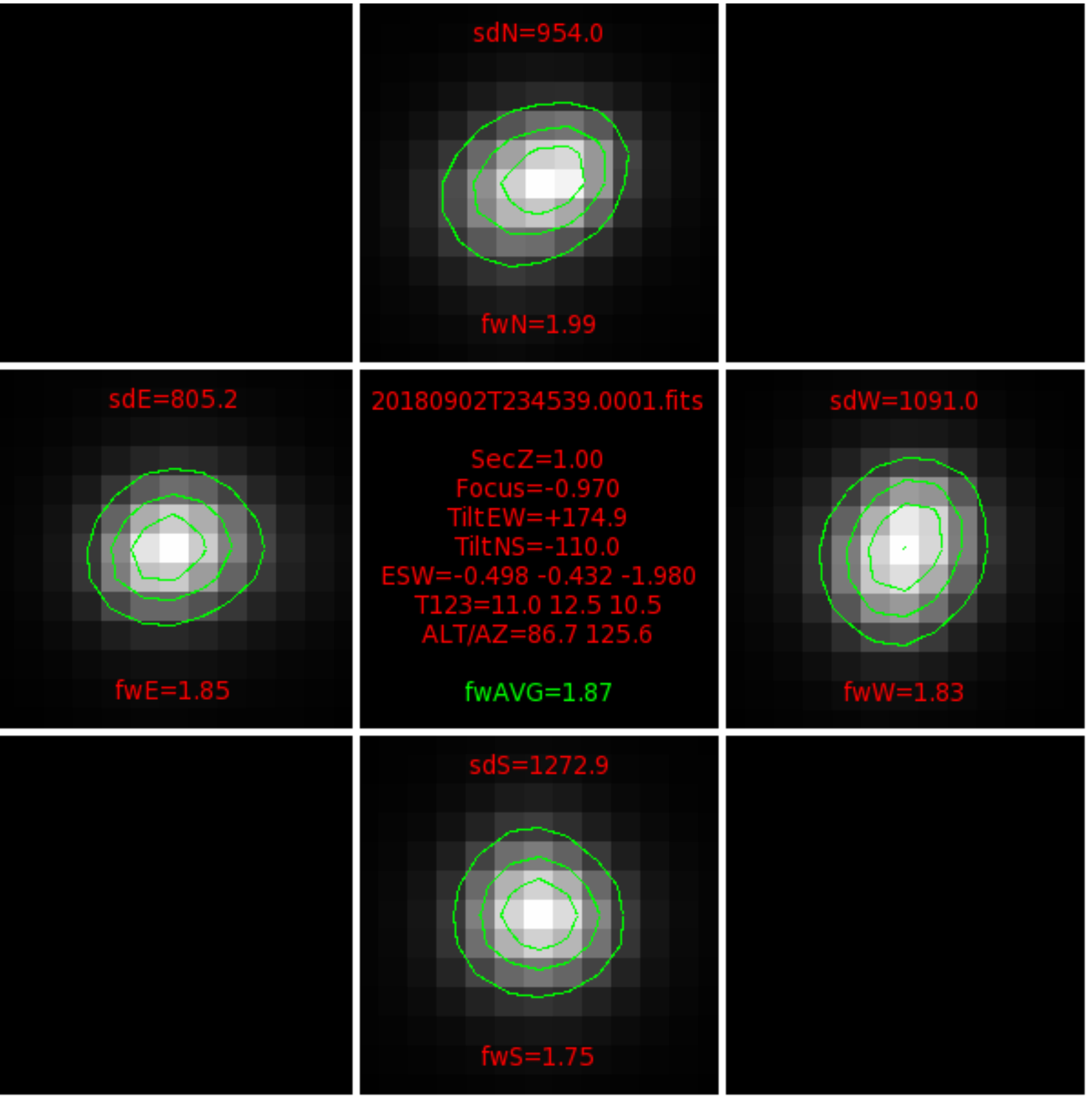
sdN=954.0
fwN=1.99
sdE=805.2
fwE=1.85
20180902T234539.0001.fits
SecZ=1.00
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=11.0 12.5 10.5
ALT/AZ=86.7 125.6
fwAVG=1.87
sdW=1091.0
fwW=1.83
sdS=1272.9
fwS=1.75
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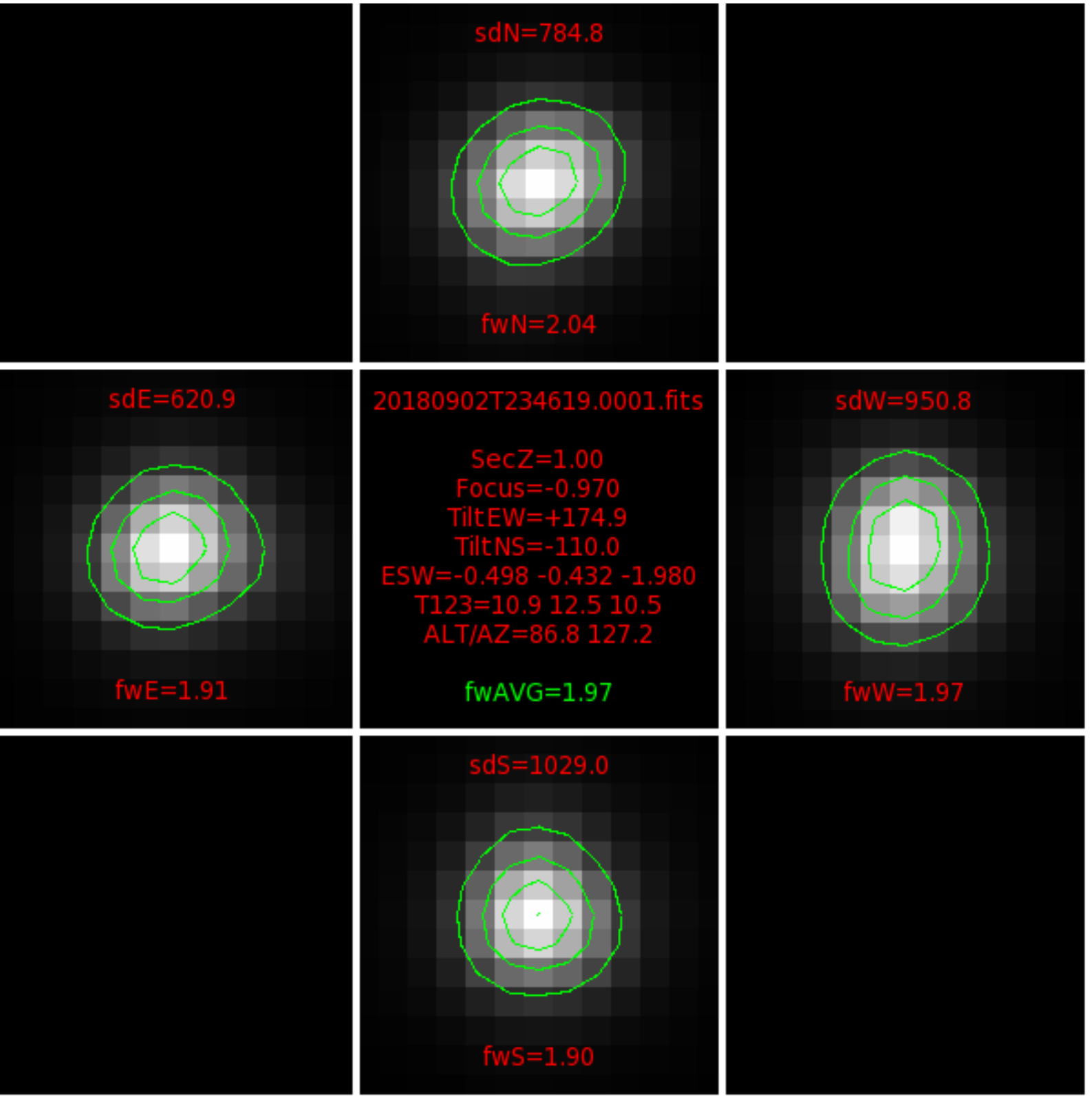
sdN=784.8
fwN=2.04
sdE=620.9
fwE=1.91
20180902T234619.0001.fits
SecZ=1.00
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=10.9 12.5 10.5
ALT/AZ=86.8 127.2
fwAVG=1.97
sdW=950.8
fwW=1.97
sdS=1029.0
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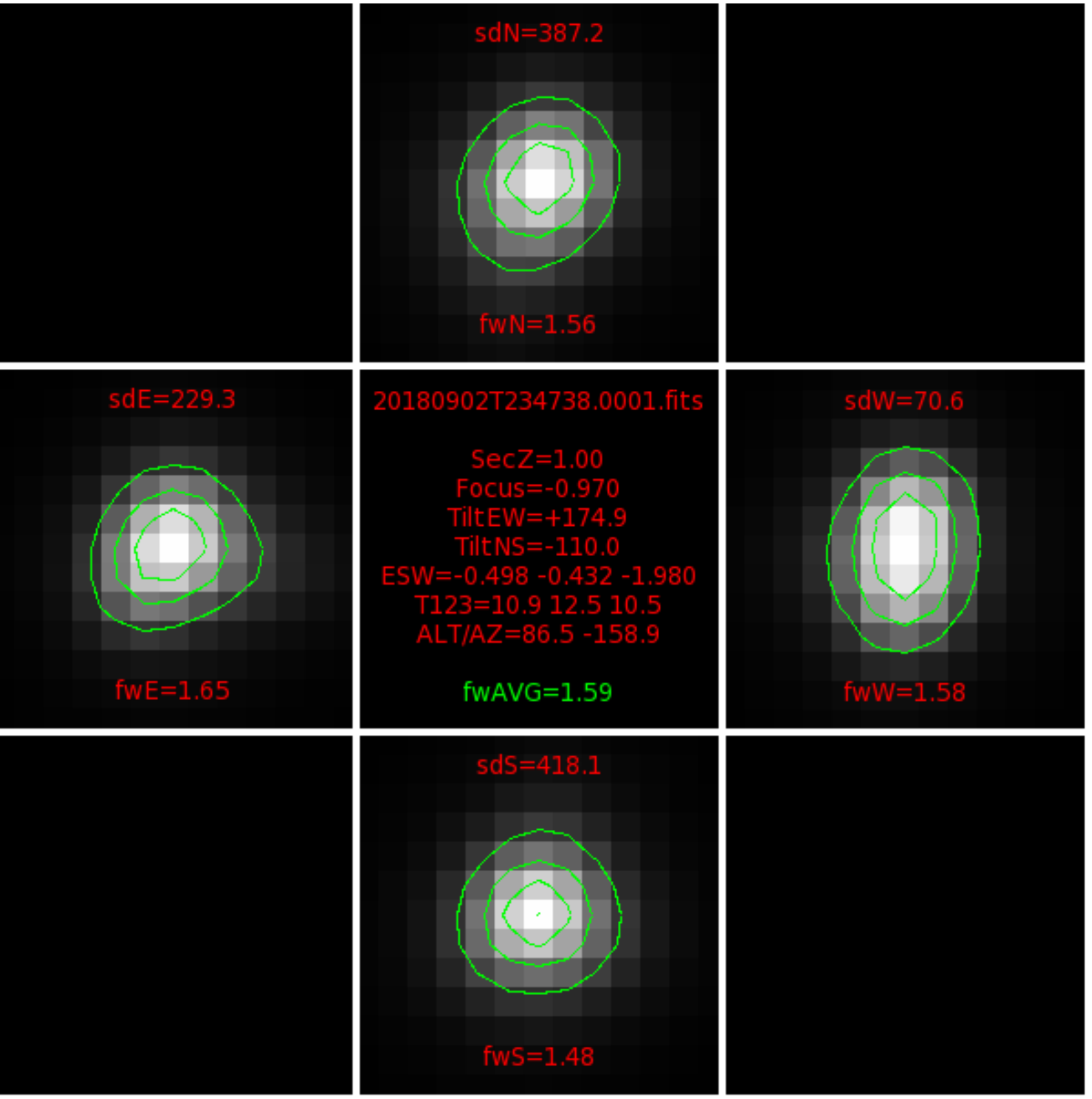
sdN=387.2
fwN=1.56
sdE=229.3
fwE=1.65
20180902T234738.0001.fits
SecZ=1.00
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=10.9 12.5 10.5
ALT/AZ=86.5 -158.9
fwAVG=1.59
sdW=70.6
fwW=1.58
sdS=418.1
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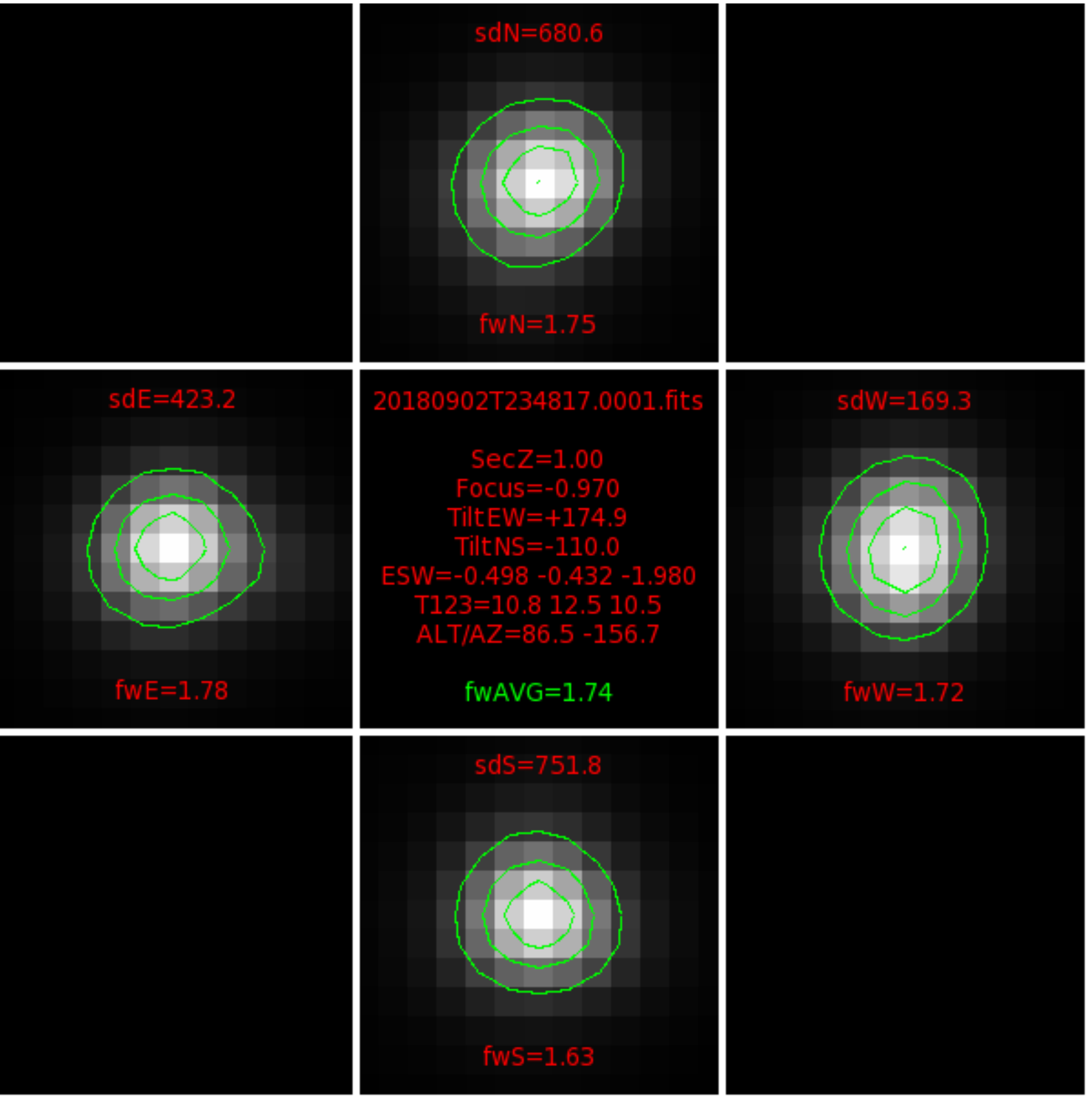
sdN=680.6
fwN=1.75
sdE=423.2
fwE=1.78
20180902T234817.0001.fits
SecZ=1.00
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=10.8 12.5 10.5
ALT/AZ=86.5 -156.7
fwAVG=1.74
sdW=169.3
fwW=1.72
sdS=751.8
fwS=1.63
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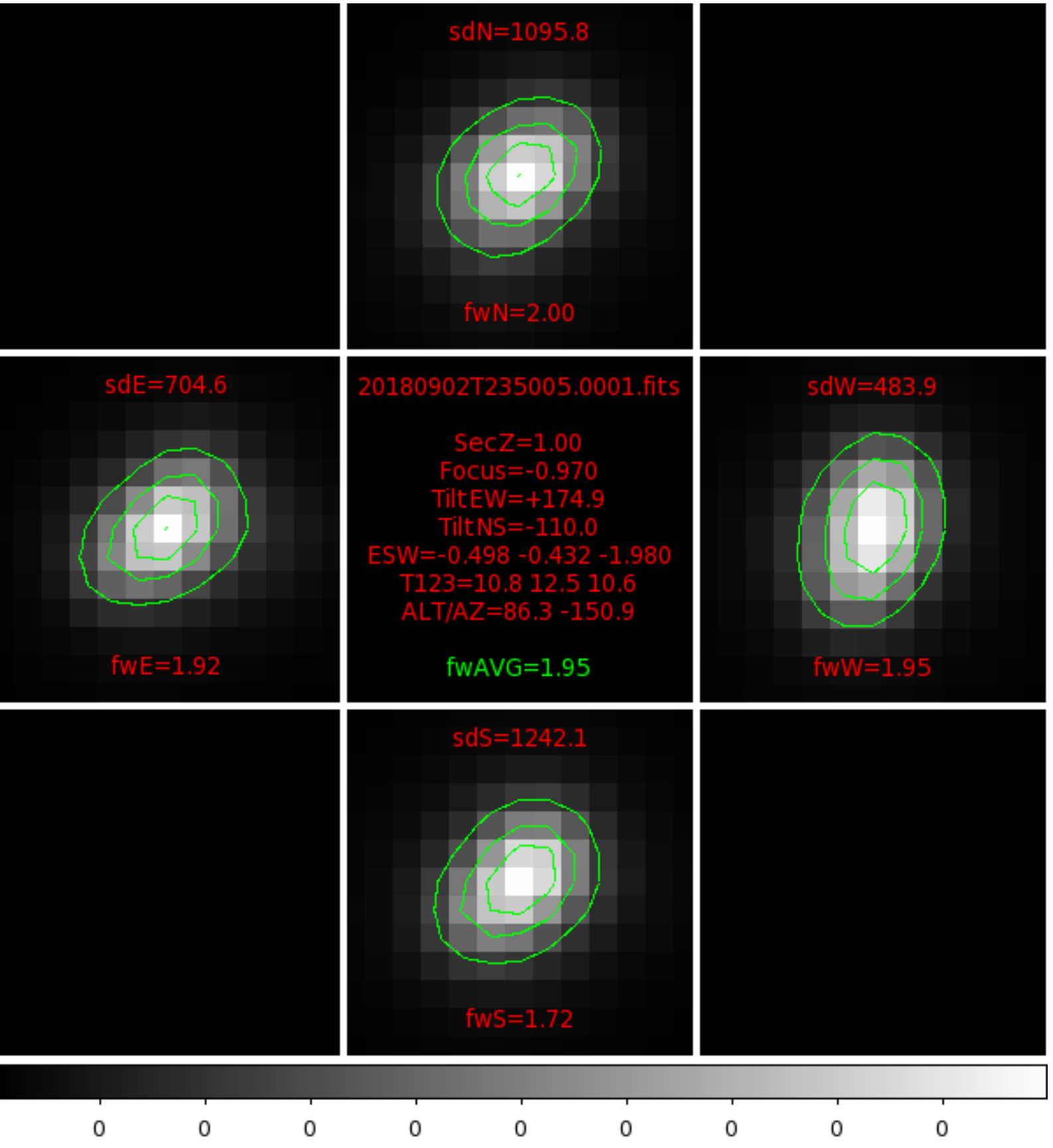
sdN=1095.8
fwN=2.00
sdE=704.6
fwE=1.92
20180902T235005.0001.fits
SecZ=1.00
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=10.8 12.5 10.6
ALT/AZ=86.3 -150.9
fwAVG=1.95
sdW=483.9
fwW=1.95
sdS=1242.1
fwS=1.72
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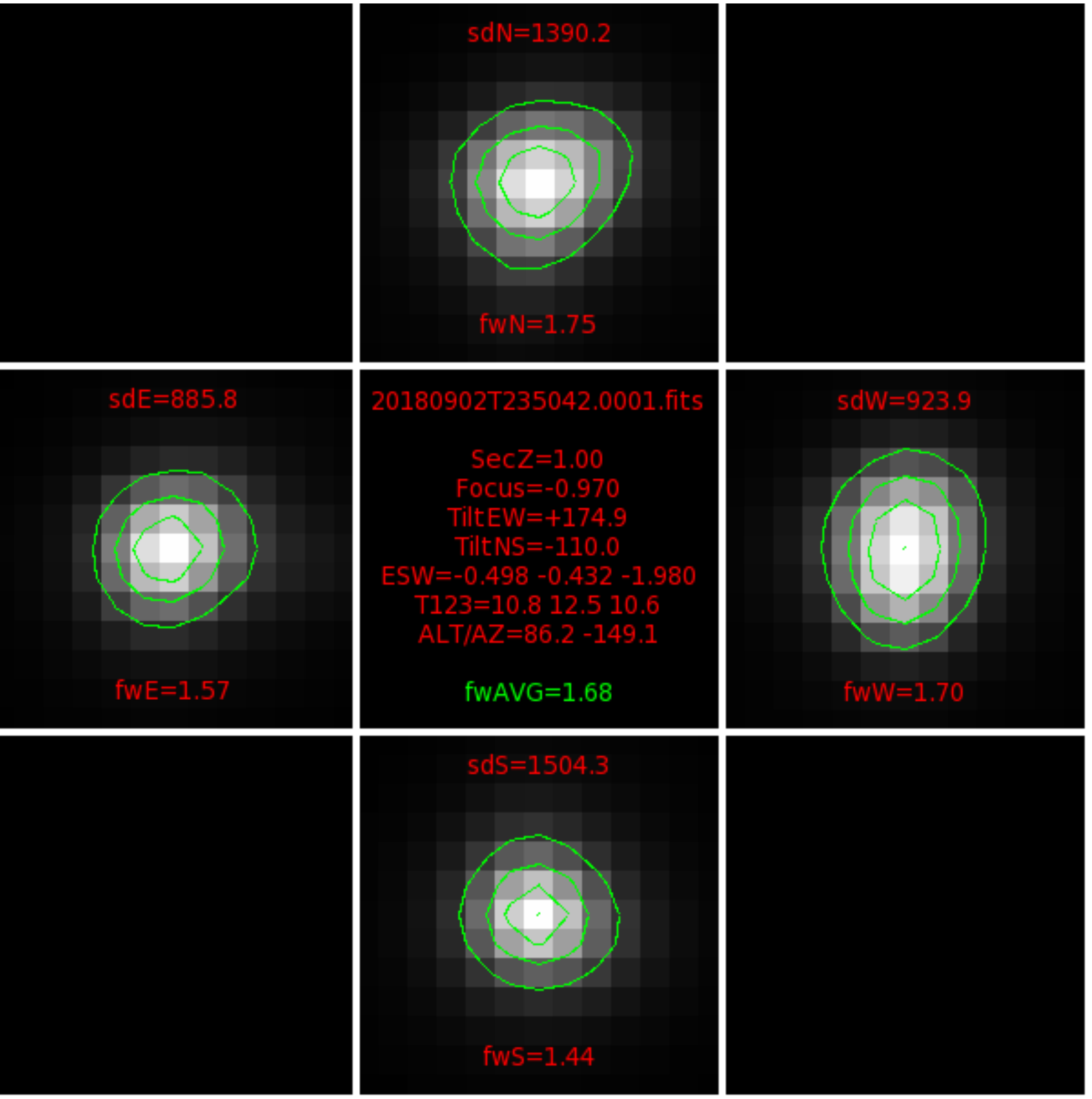
sdN=1390.2
fwN=1.75
sdE=885.8
fwE=1.57
20180902T235042.0001.fits
SecZ=1.00
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=10.8 12.5 10.6
ALT/AZ=86.2 -149.1
fwAVG=1.68
sdW=923.9
fwW=1.70
sdS=1504.3
fwS=1.44
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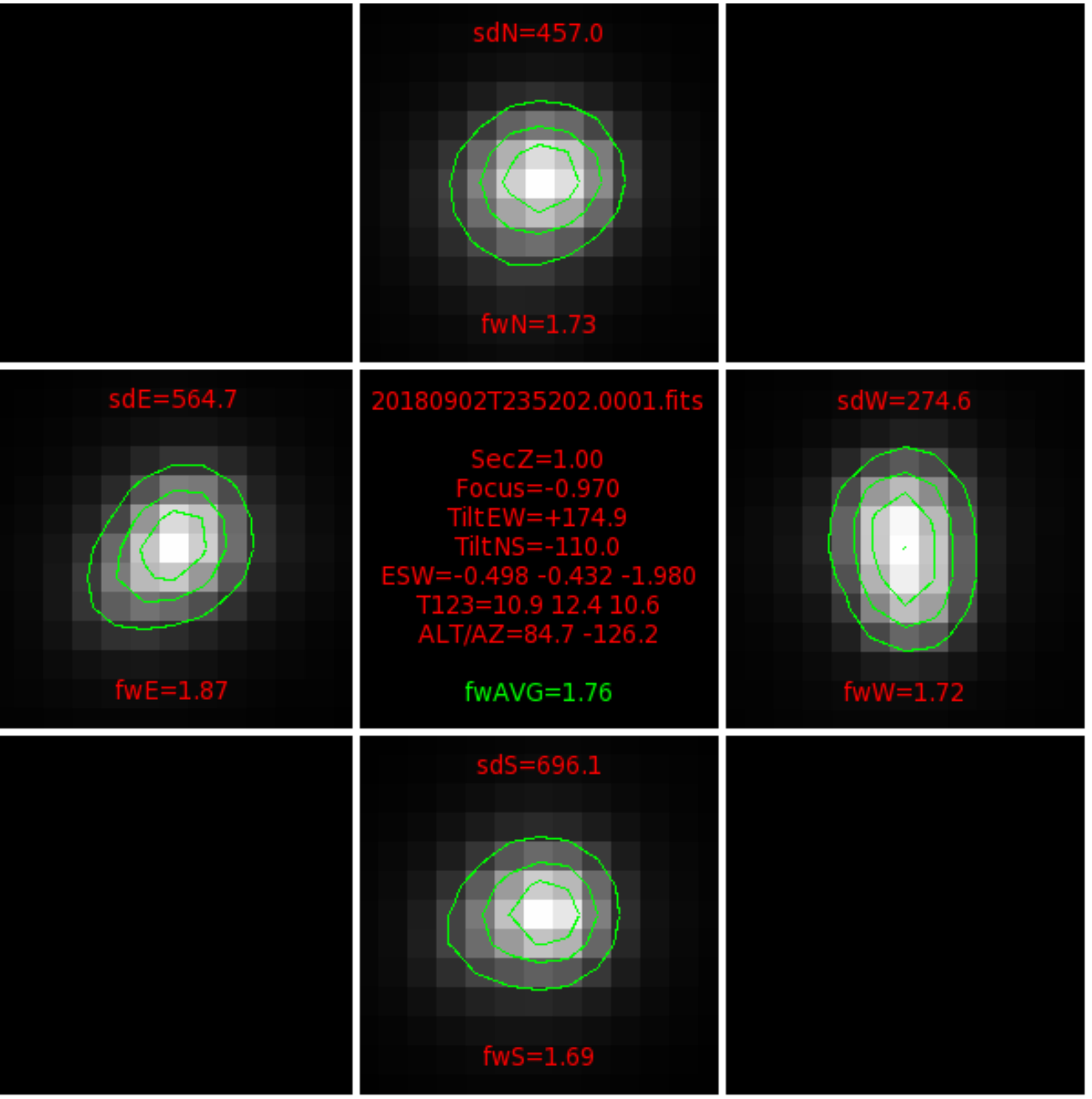
sdN=457.0
fwN=1.73
sdE=564.7
fwE=1.87
20180902T235202.0001.fits
SecZ=1.00
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=10.9 12.4 10.6
ALT/AZ=84.7 -126.2
fwAVG=1.76
sdW=274.6
fwW=1.72
sdS=696.1
fwS=1.69
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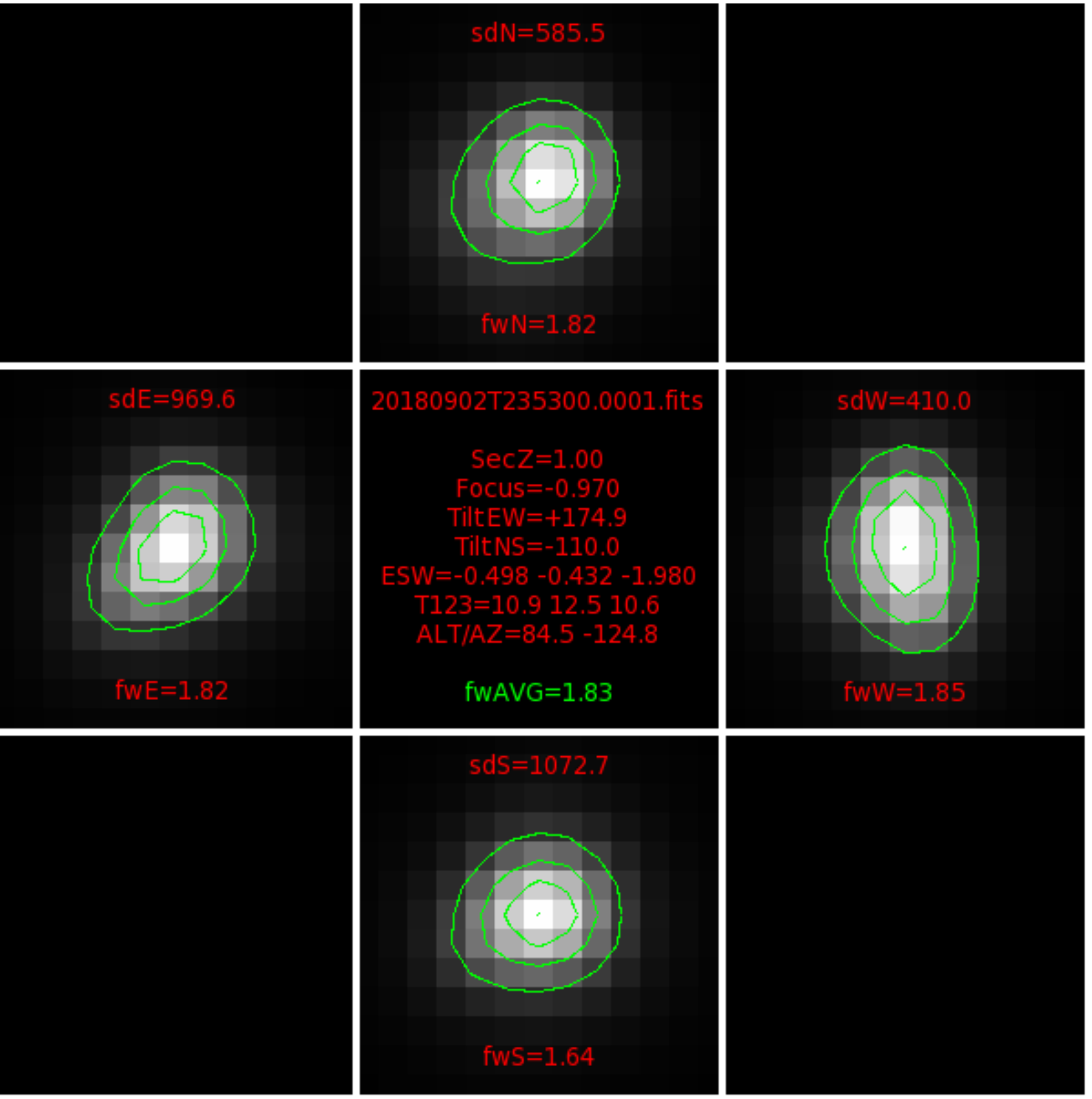
sdN=585.5
fwN=1.82
sdE=969.6
fwE=1.82
20180902T235300.0001.fits
SecZ=1.00
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=10.9 12.5 10.6
ALT/AZ=84.5 -124.8
fwAVG=1.83
sdW=410.0
fwW=1.85
sdS=1072.7
fwS=1.64
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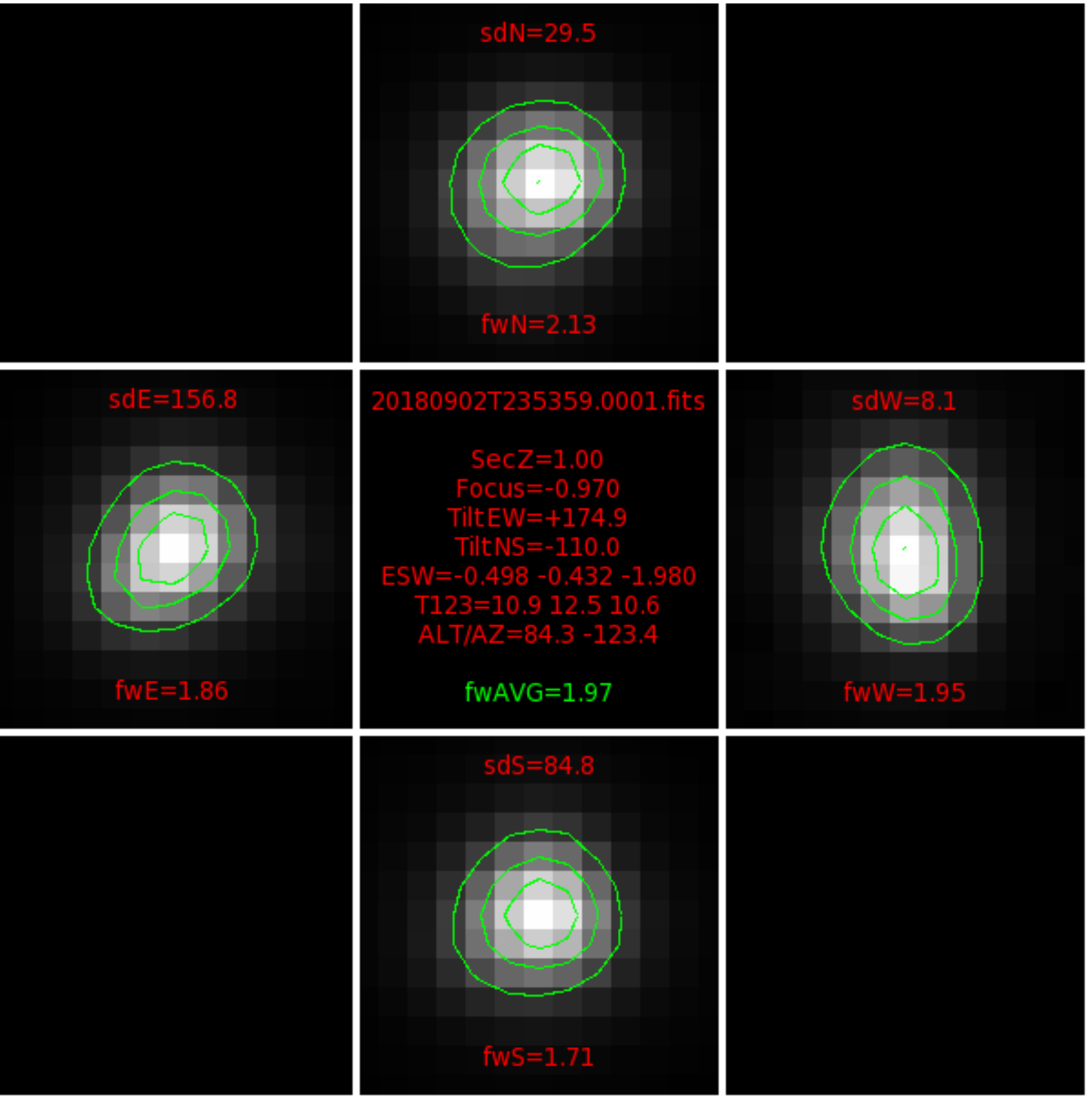
sdN=29.5
fwN=2.13
sdE=156.8
fwE=1.86
20180902T235359.0001.fits
SecZ=1.00
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=10.9 12.5 10.6
ALT/AZ=84.3 -123.4
fwAVG=1.97
sdW=8.1
fwW=1.95
sdS=84.8
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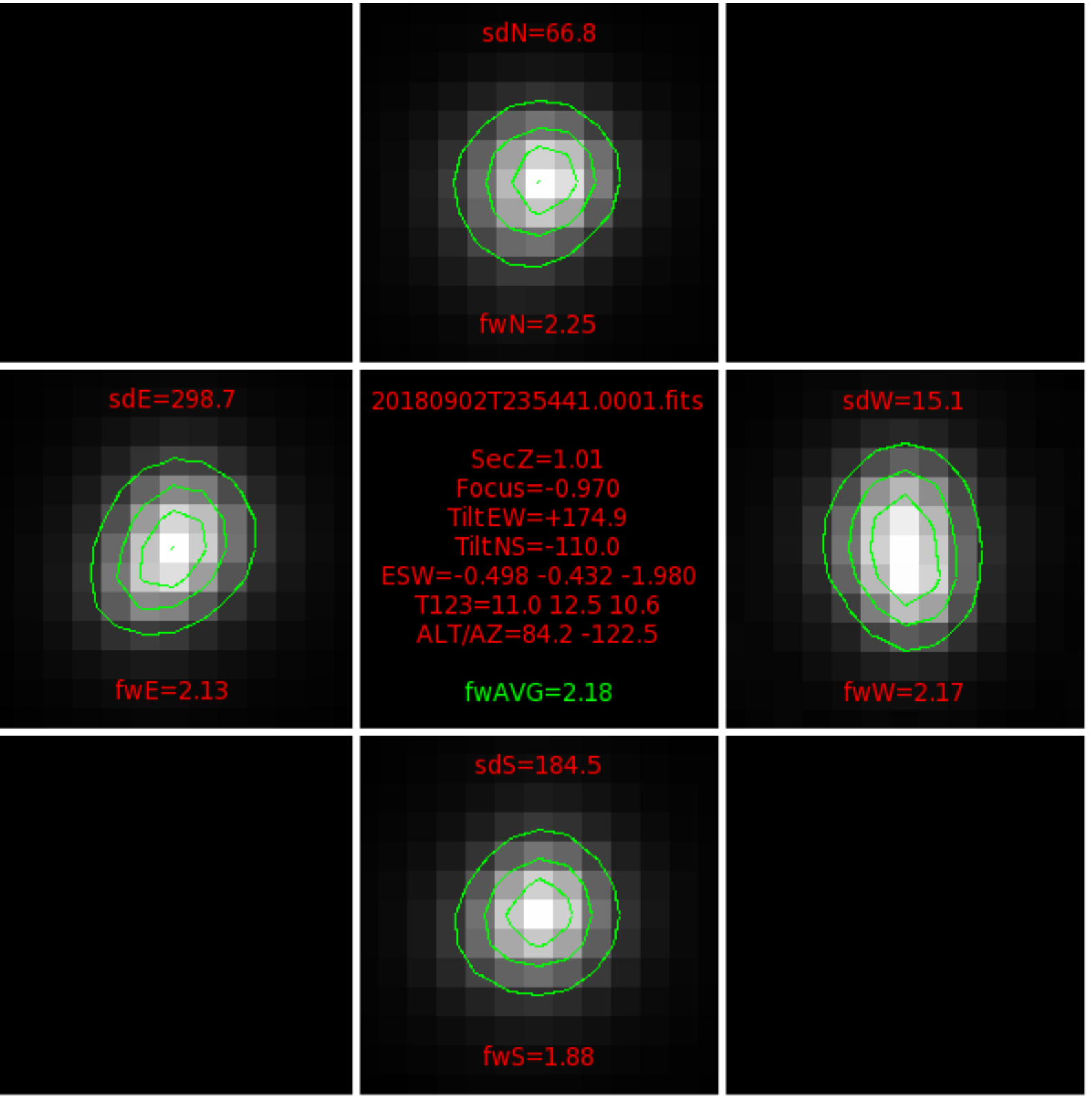
sdN=66.8
fwN=2.25
sdE=298.7
fwE=2.13
20180902T235441.0001.fits
SecZ=1.01
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=11.0 12.5 10.6
ALT/AZ=84.2 -122.5
fwAVG=2.18
sdW=15.1
fwW=2.17
sdS=184.5
fwS=1.88
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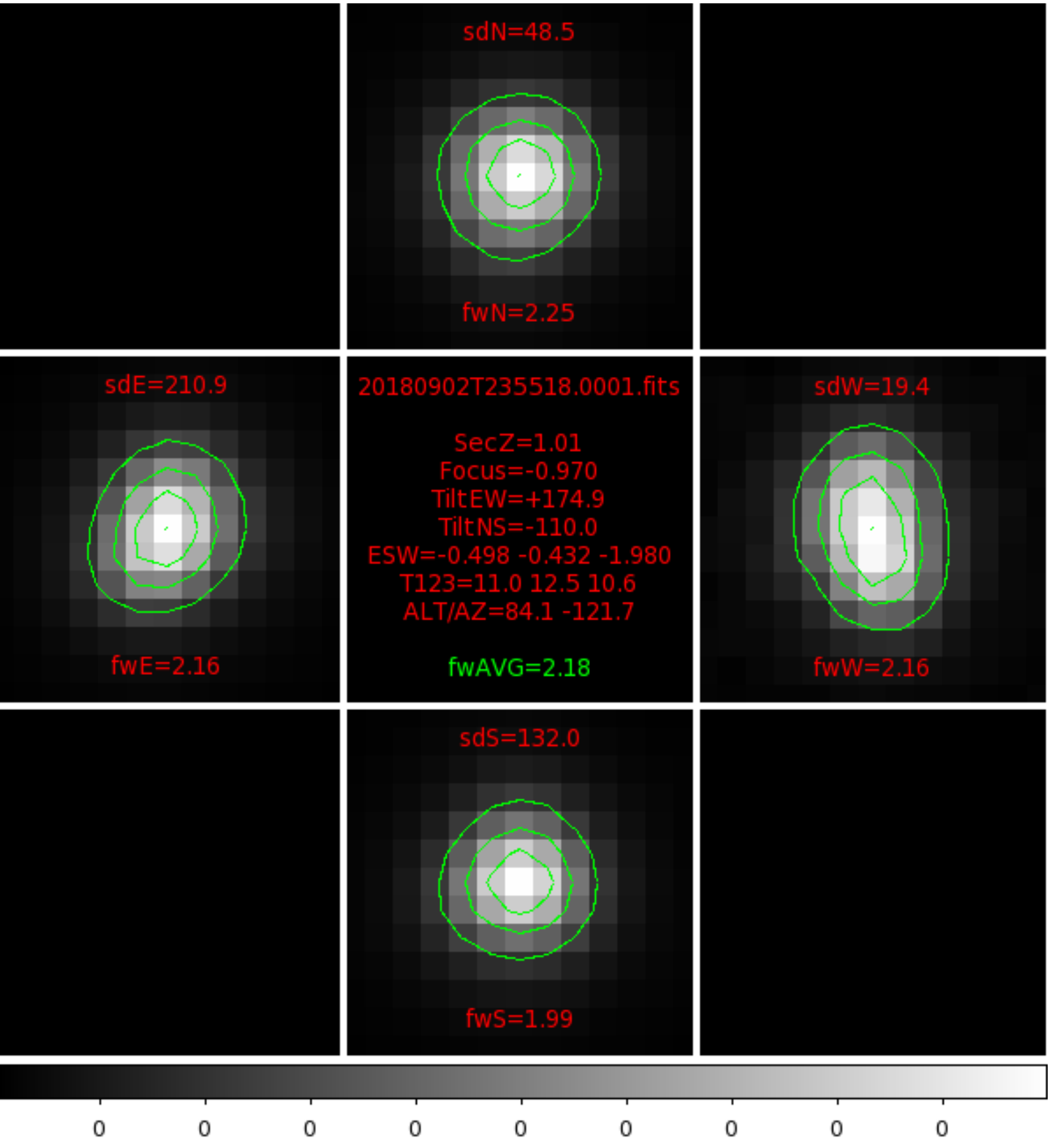
sdN=48.5
fwN=2.25
sdE=210.9
fwE=2.16
20180902T235518.0001.fits
SecZ=1.01
Focus=-0.970
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.498 -0.432 -1.980
T123=11.0 12.5 10.6
ALT/AZ=84.1 -121.7
fwAVG=2.18
sdW=19.4
fwW=2.16
sdS=132.0
fwS=1.99
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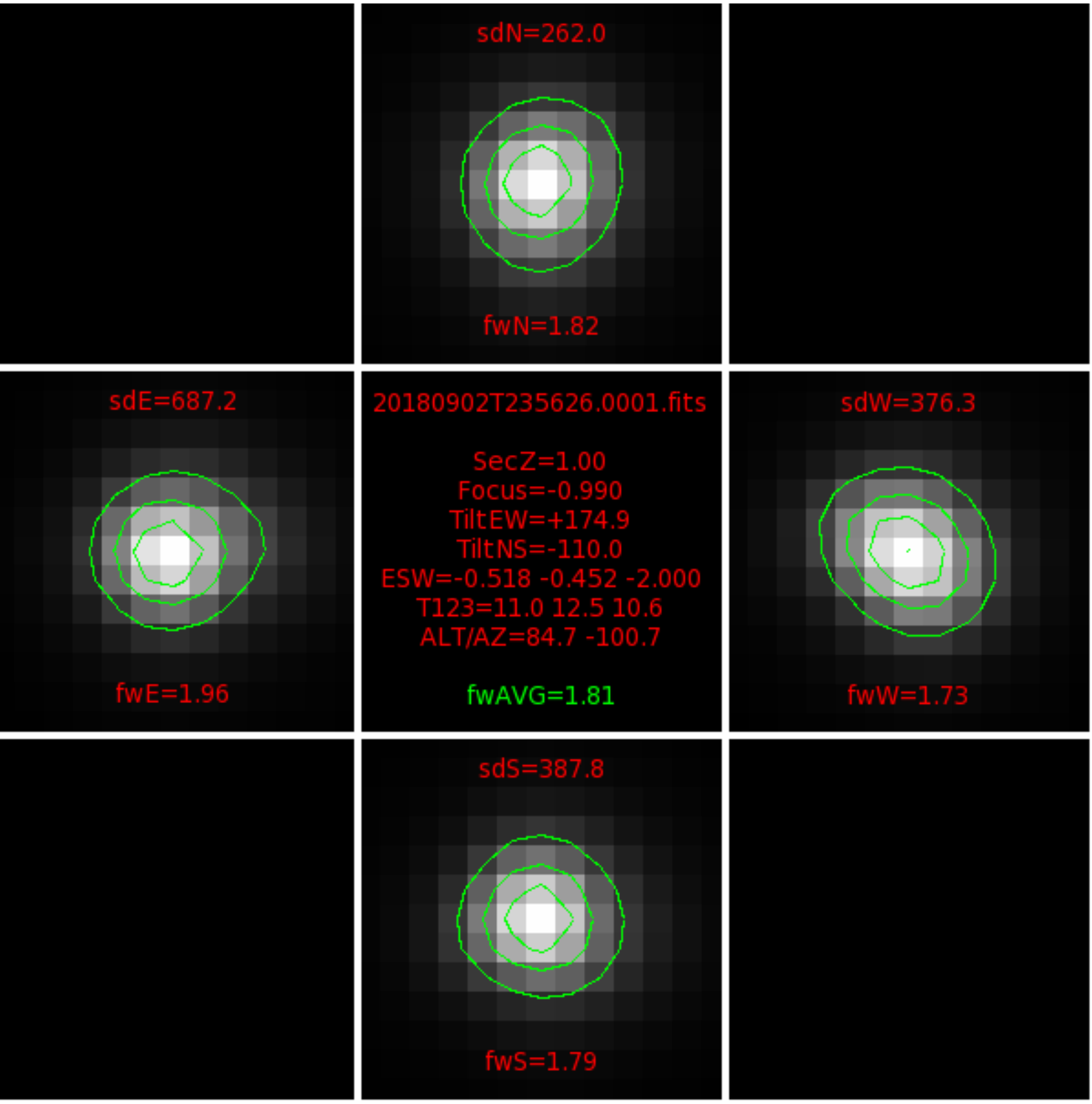
sdN=262.0
fwN=1.82
sdE=687.2
fwE=1.96
20180902T235626.0001.fits
SecZ=1.00
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.0 12.5 10.6
ALT/AZ=84.7 -100.7
fwAVG=1.81
sdW=376.3
fwW=1.73
sdS=387.8
fwS=1.79
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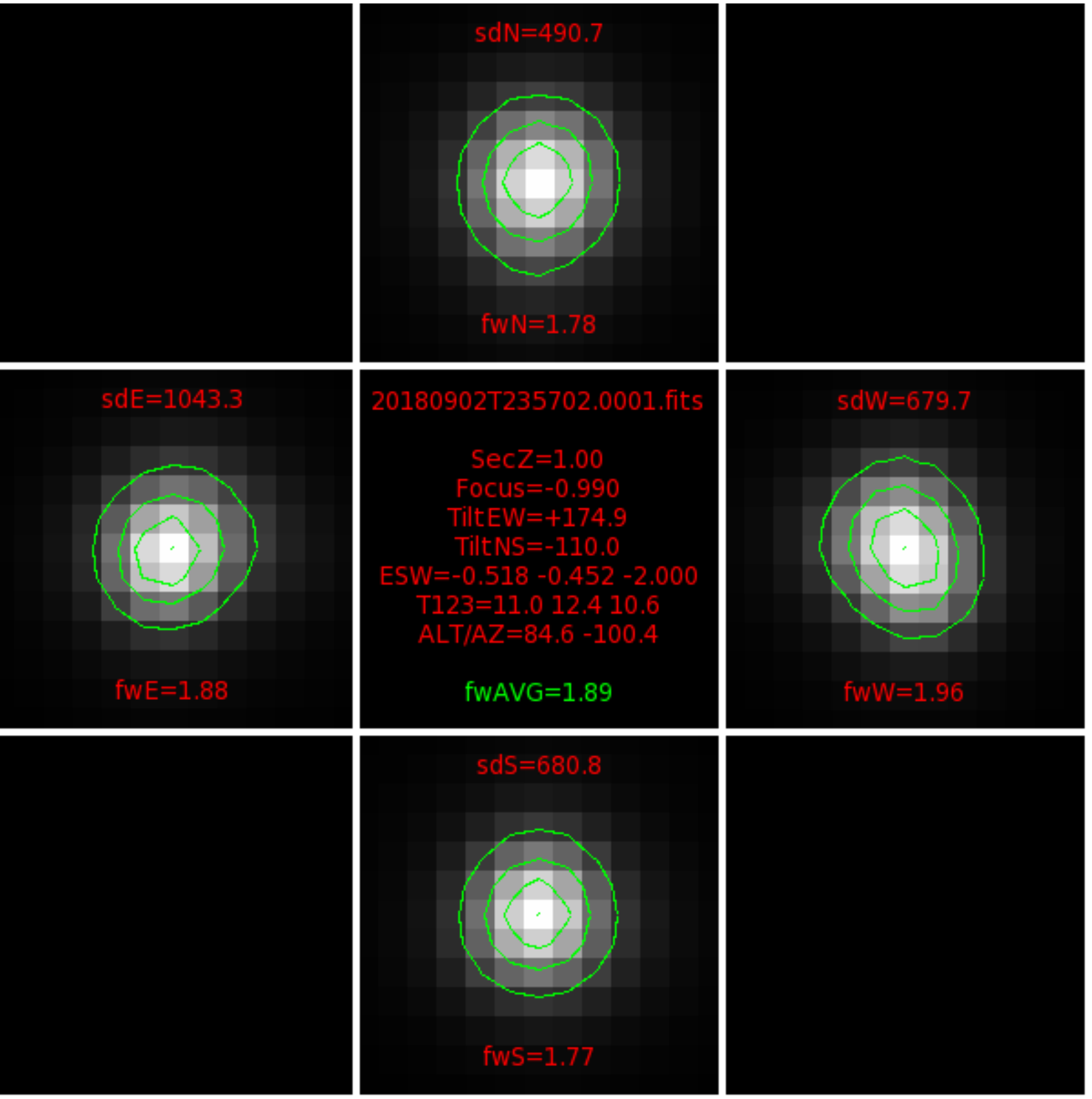
sdN=490.7
fwN=1.78
sdE=1043.3
fwE=1.88
20180902T235702.0001.fits
SecZ=1.00
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.0 12.4 10.6
ALT/AZ=84.6 -100.4
fwAVG=1.89
sdW=679.7
fwW=1.96
sdS=680.8
fwS=1.77
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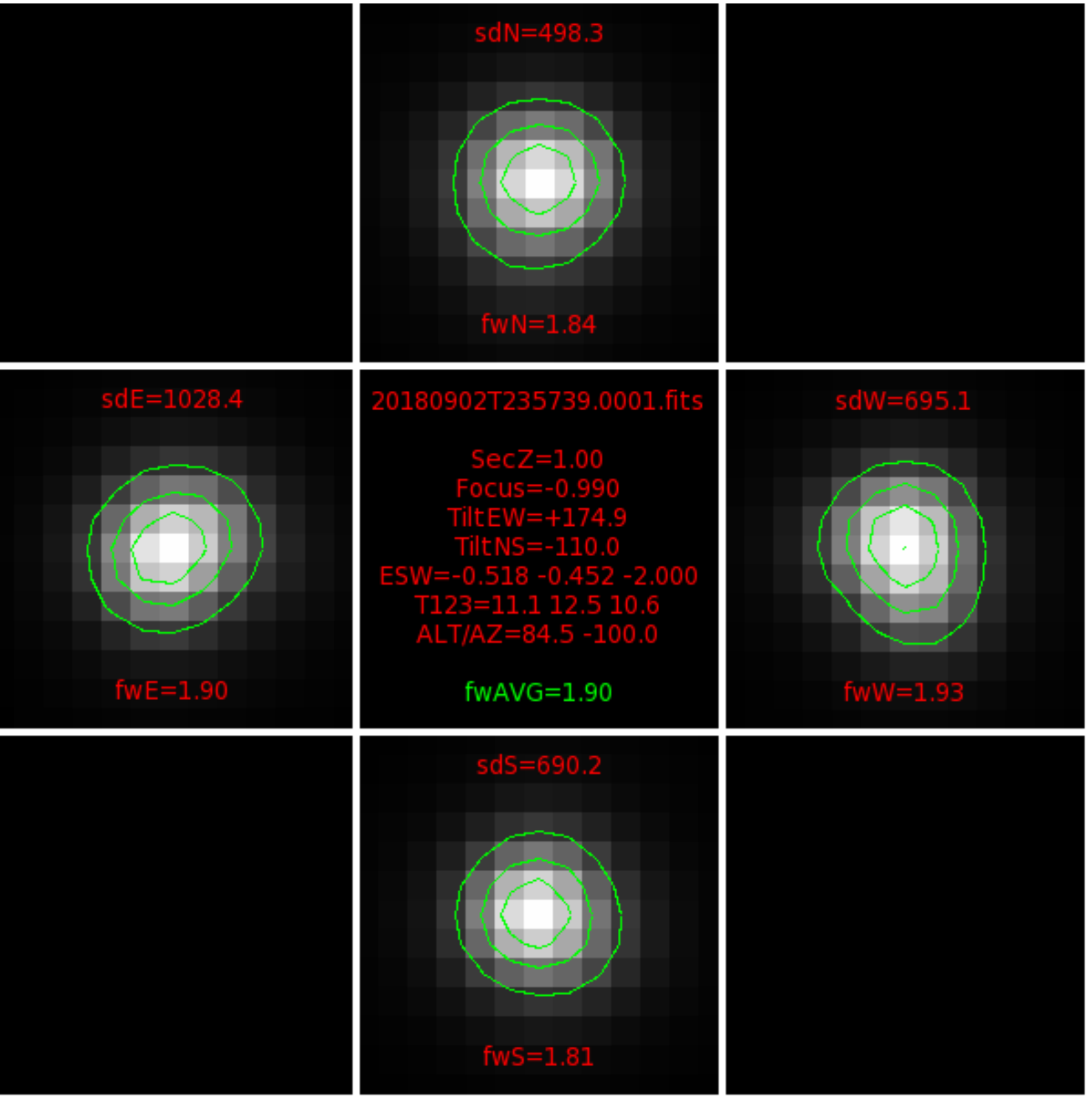
sdN=498.3
fwN=1.84
sdE=1028.4
fwE=1.90
20180902T235739.0001.fits
SecZ=1.00
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.1 12.5 10.6
ALT/AZ=84.5 -100.0
fwAVG=1.90
sdW=695.1
fwW=1.93
sdS=690.2
fwS=1.81
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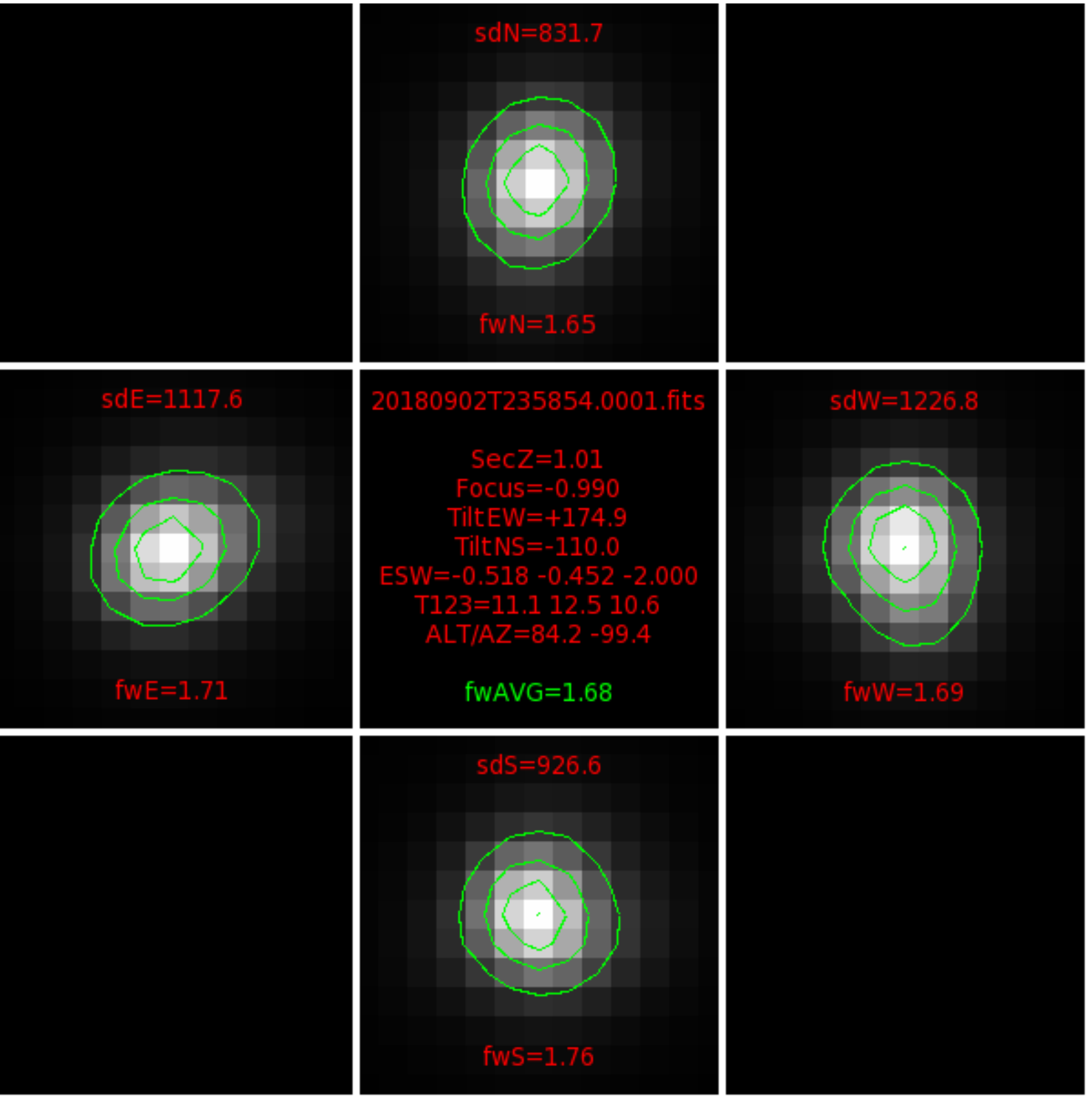
sdN=831.7
fwN=1.65
sdE=1117.6
fwE=1.71
20180902T235854.0001.fits
SecZ=1.01
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.1 12.5 10.6
ALT/AZ=84.2 -99.4
fwAVG=1.68
sdW=1226.8
fwW=1.69
sdS=926.6
fwS=1.76
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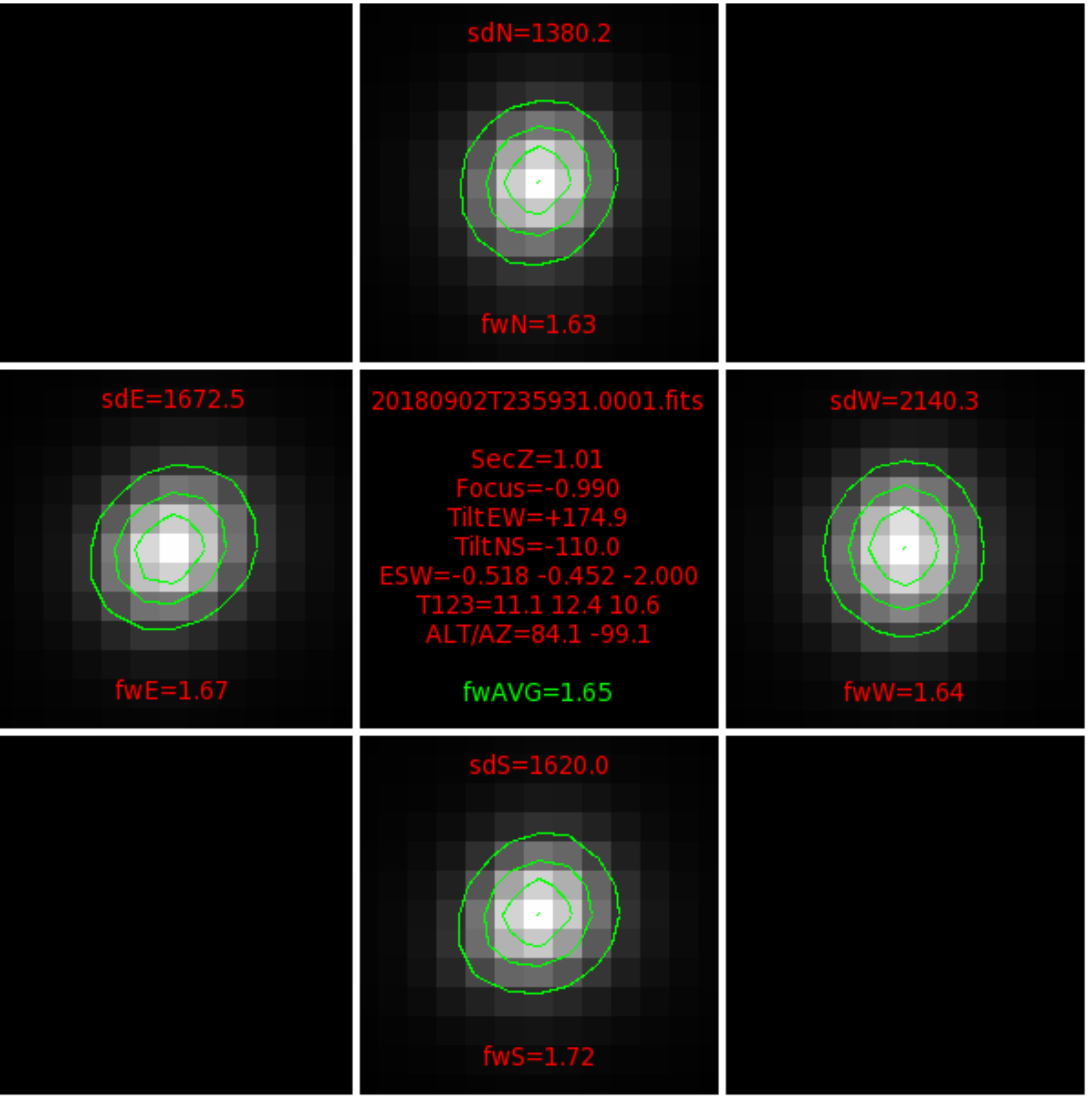
sdN=1380.2
fwN=1.63
sdE=1672.5
fwE=1.67
20180902T235931.0001.fits
SecZ=1.01
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.1 12.4 10.6
ALT/AZ=84.1 -99.1
fwAVG=1.65
sdW=2140.3
fwW=1.64
sdS=1620.0
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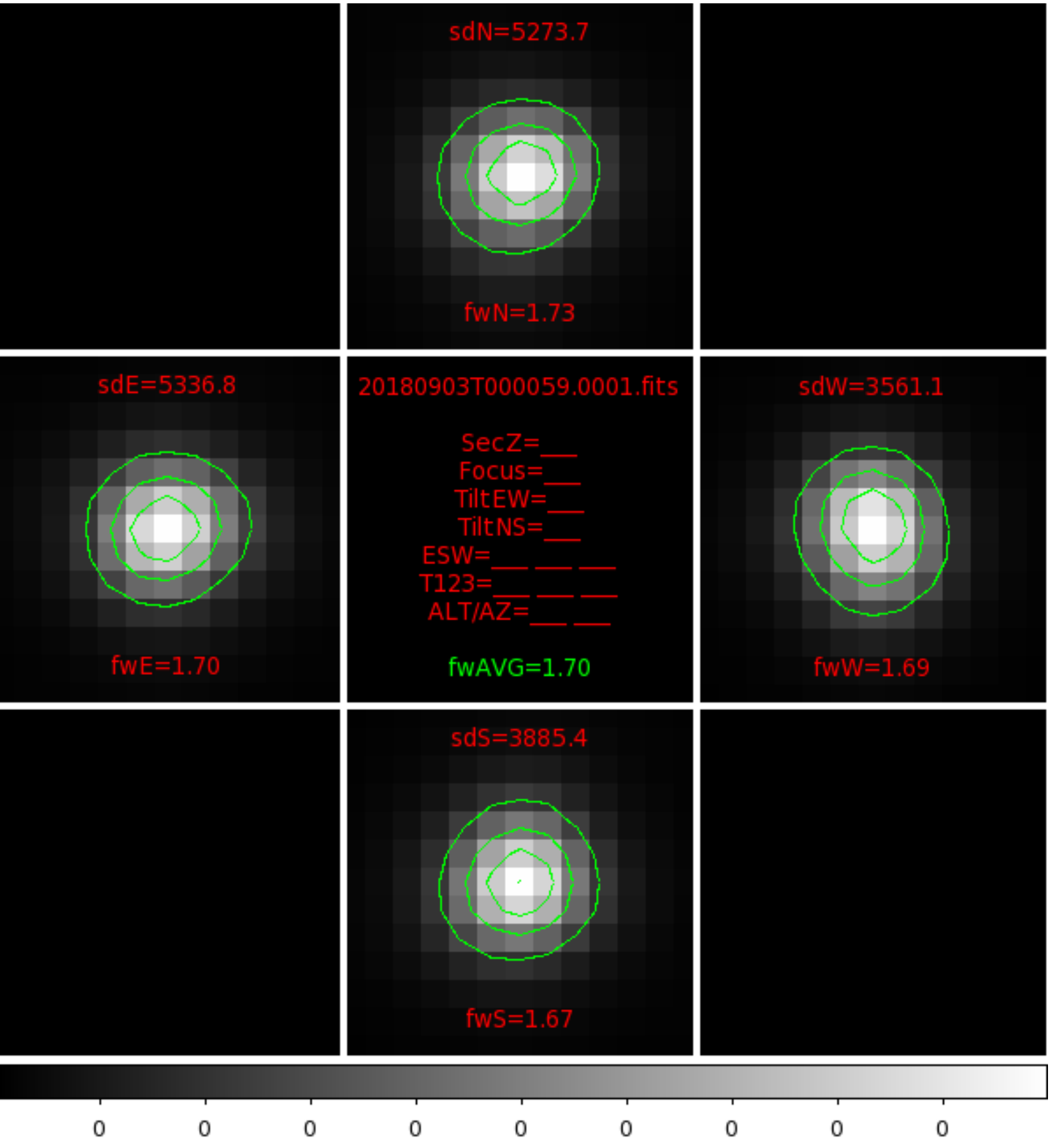
sdN=5273.7
fwN=1.73
sdE=5336.8
fwE=1.70
20180903T000059.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.70
sdW=3561.1
fwW=1.69
sdS=3885.4
fwS=1.67
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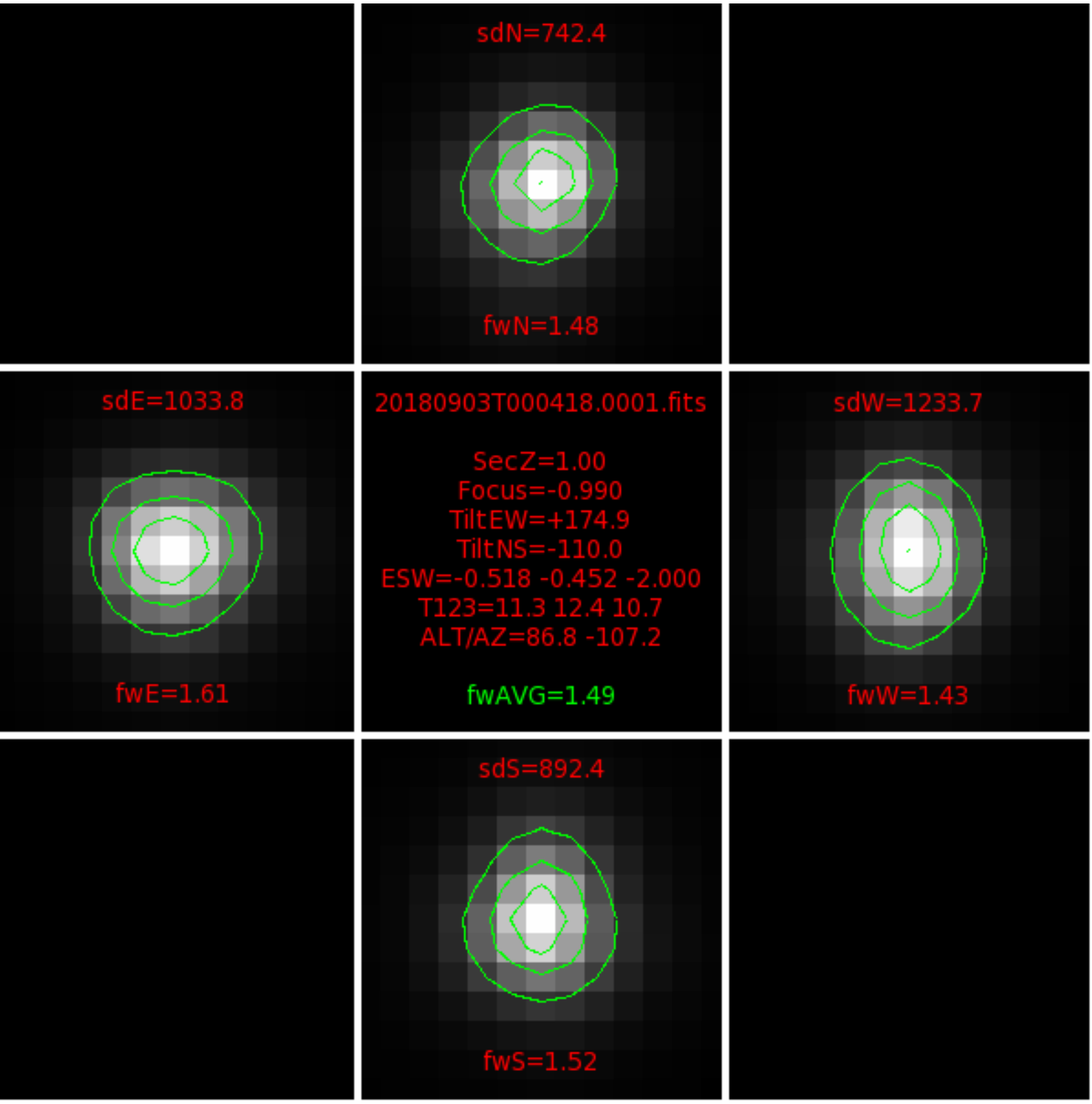
sdN=742.4
fwN=1.48
sdE=1033.8
fwE=1.61
20180903T000418.0001.fits
SecZ=1.00
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.3 12.4 10.7
ALT/AZ=86.8 -107.2
fwAVG=1.49
sdW=1233.7
fwW=1.43
sdS=892.4
fwS=1.52
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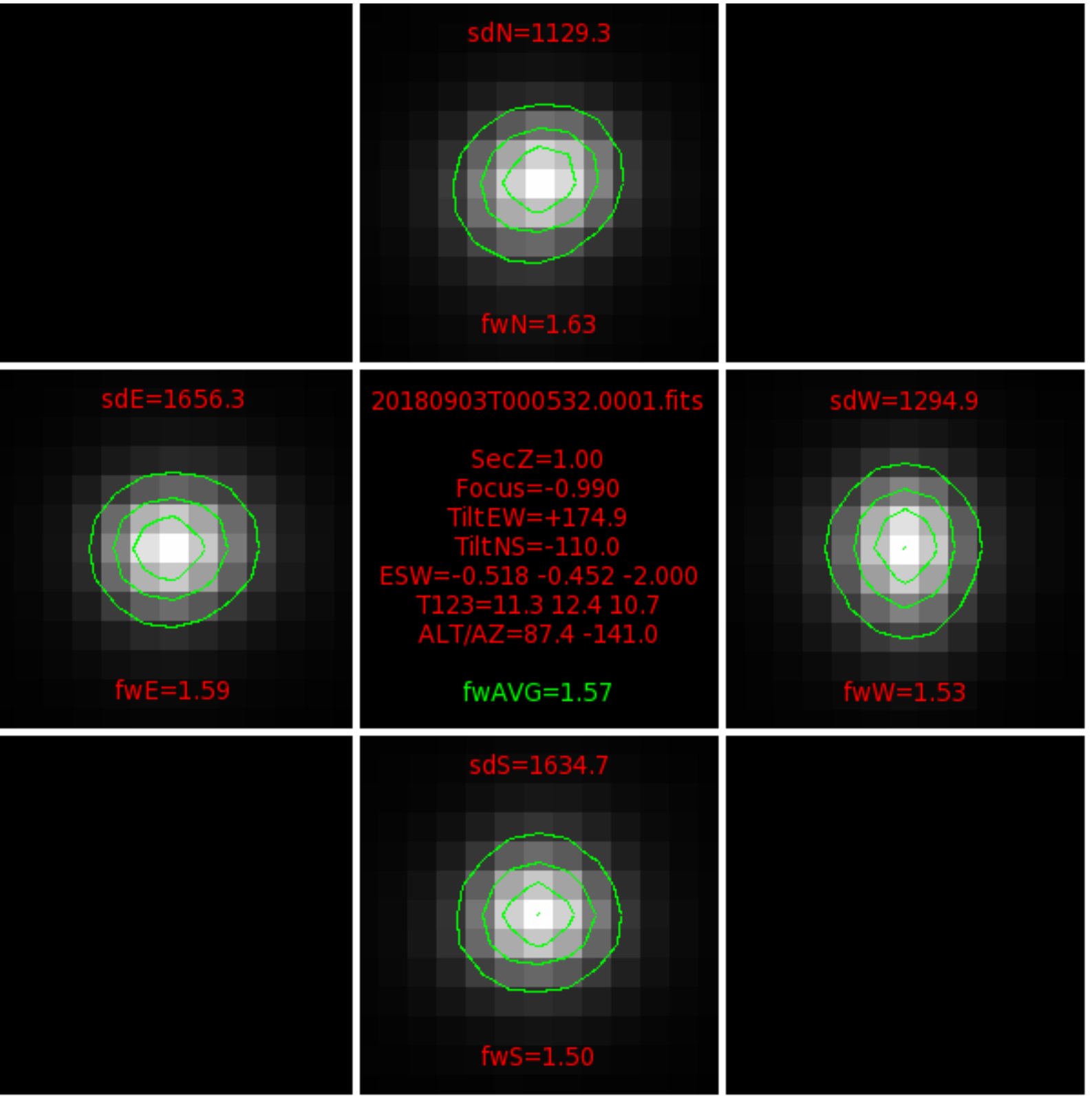
sdN=1129.3
fwN=1.63
sdE=1656.3
fwE=1.59
20180903T000532.0001.fits
SecZ=1.00
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.3 12.4 10.7
ALT/AZ=87.4 -141.0
fwAVG=1.57
sdW=1294.9
fwW=1.53
sdS=1634.7
fwS=1.50
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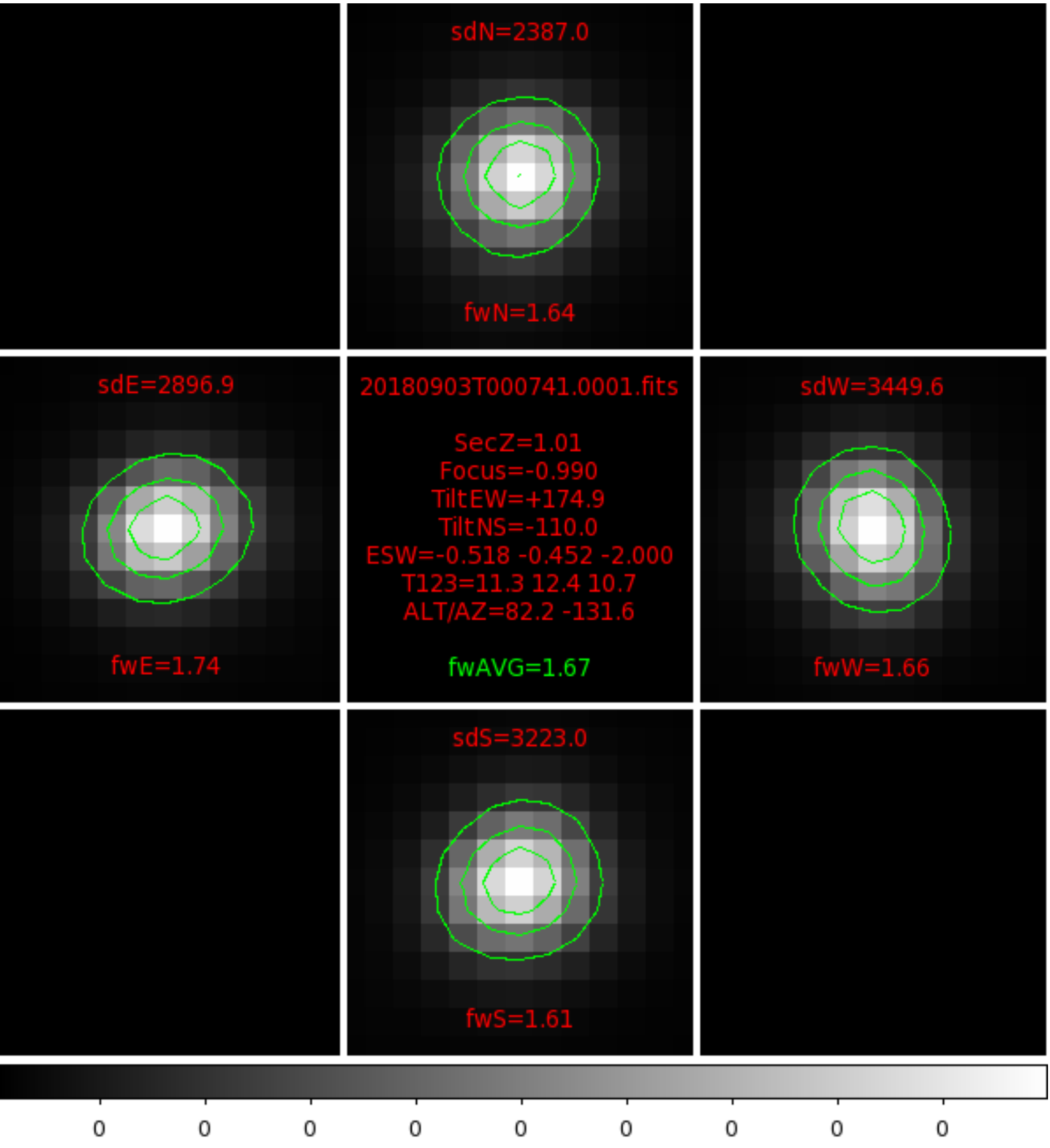
sdN=2387.0
fwN=1.64
sdE=2896.9
fwE=1.74
20180903T000741.0001.fits
SecZ=1.01
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.3 12.4 10.7
ALT/AZ=82.2 -131.6
fwAVG=1.67
sdW=3449.6
fwW=1.66
sdS=3223.0
fwS=1.61
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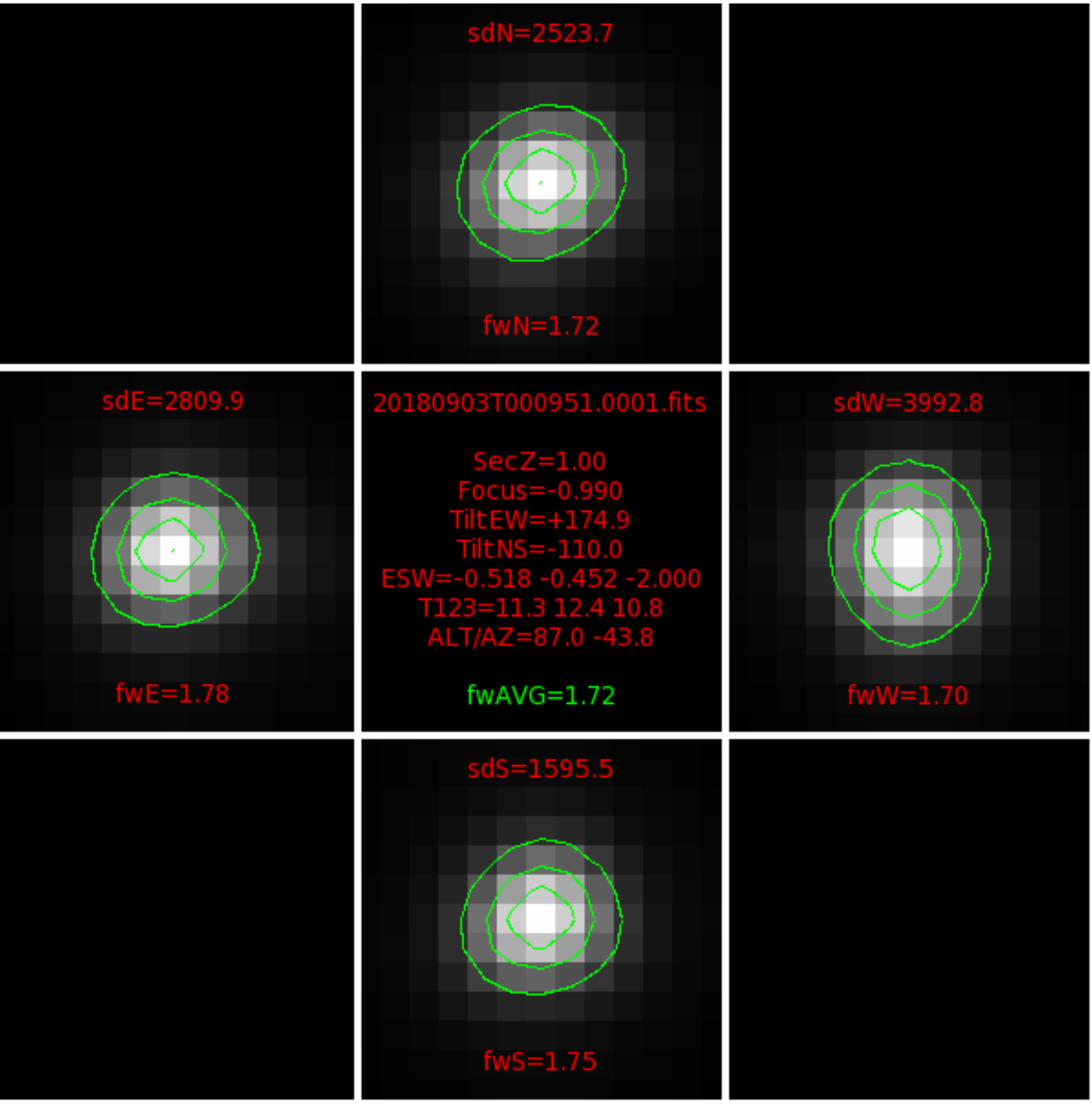
sdN=2523.7
fwN=1.72
sdE=2809.9
fwE=1.78
20180903T000951.0001.fits
SecZ=1.00
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.3 12.4 10.8
ALT/AZ=87.0 -43.8
fwAVG=1.72
sdW=3992.8
fwW=1.70
sdS=1595.5
fwS=1.75
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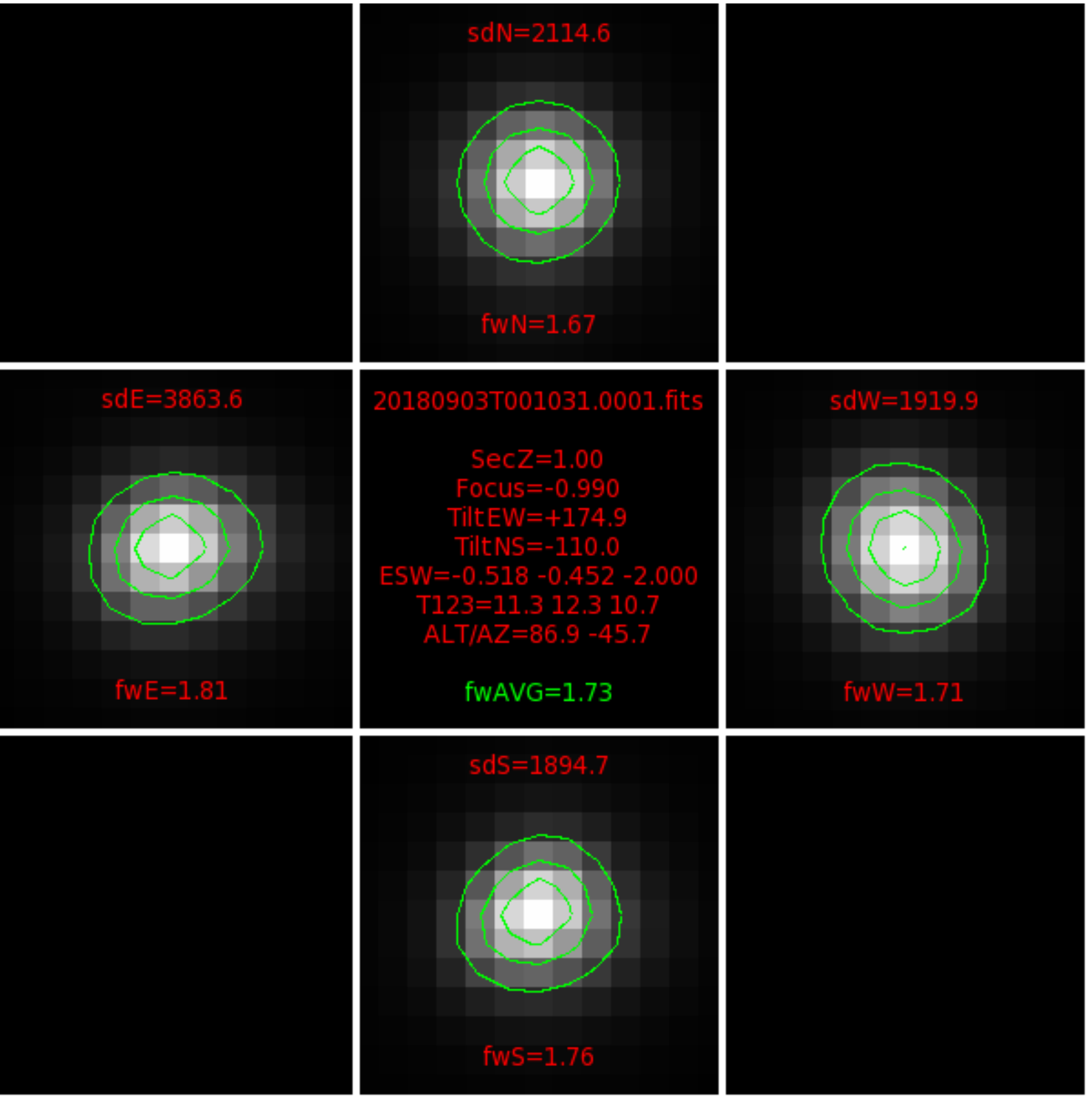
sdN=2114.6
fwN=1.67
sdE=3863.6
fwE=1.81
20180903T001031.0001.fits
SecZ=1.00
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.3 12.3 10.7
ALT/AZ=86.9 -45.7
fwAVG=1.73
sdW=1919.9
fwW=1.71
sdS=1894.7
fwS=1.76
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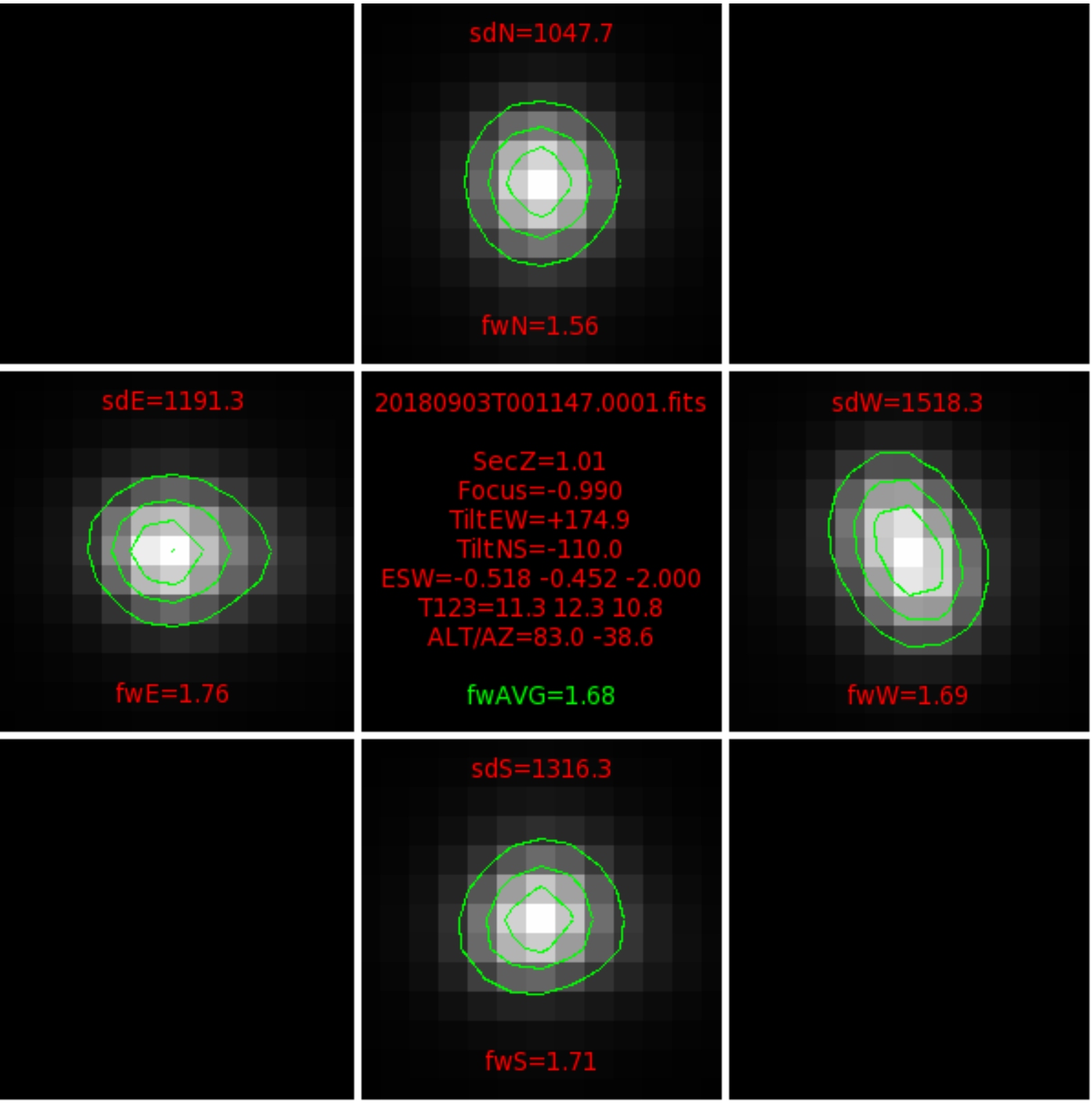
sdN=1047.7
fwN=1.56
sdE=1191.3
fwE=1.76
20180903T001147.0001.fits
SecZ=1.01
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.3 12.3 10.8
ALT/AZ=83.0 -38.6
fwAVG=1.68
sdW=1518.3
fwW=1.69
sdS=1316.3
fwS=1.71
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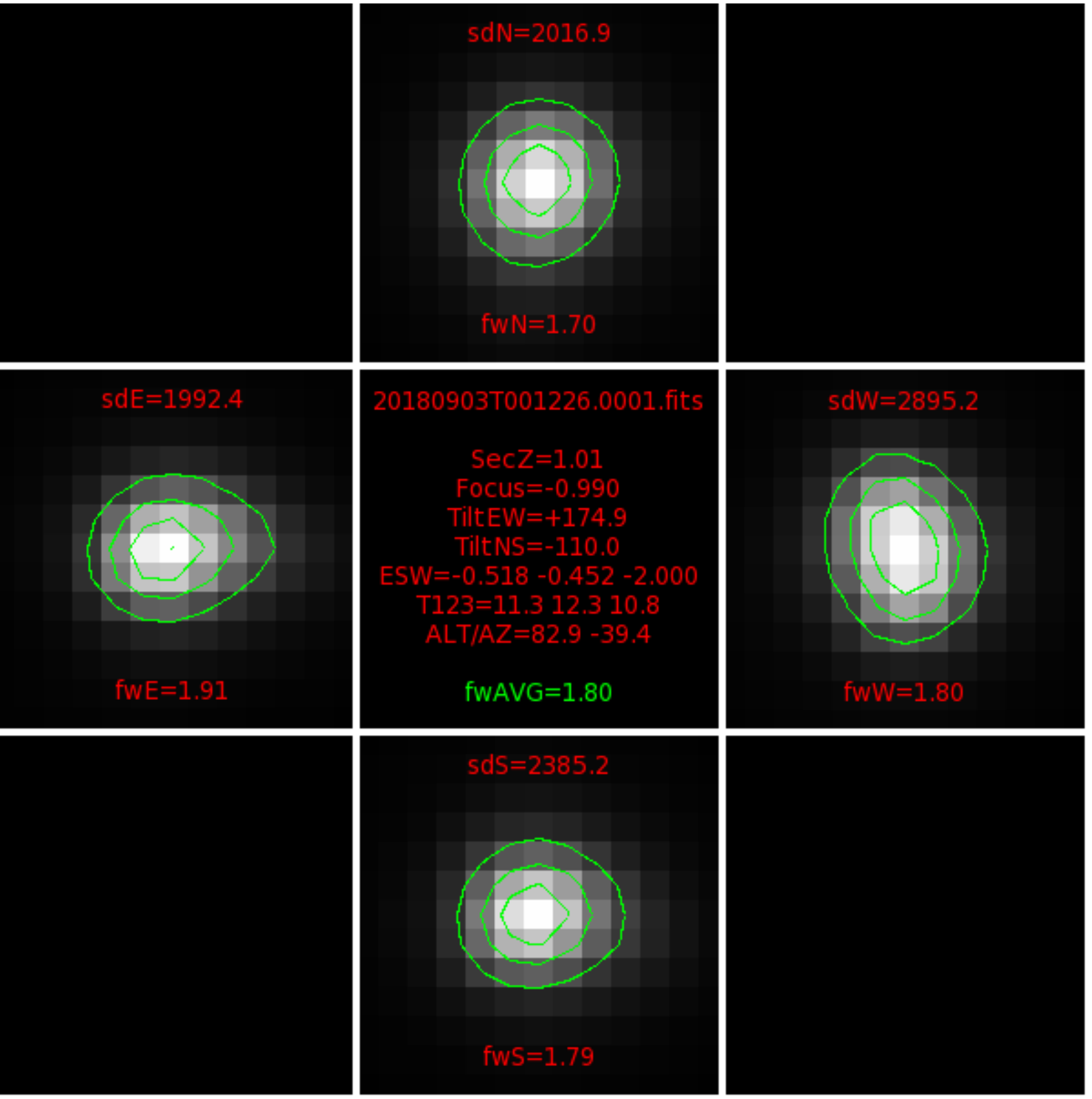
sdN=2016.9
fwN=1.70
sdE=1992.4
fwE=1.91
20180903T001226.0001.fits
SecZ=1.01
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.3 12.3 10.8
ALT/AZ=82.9 -39.4
fwAVG=1.80
sdW=2895.2
fwW=1.80
sdS=2385.2
fwS=1.79
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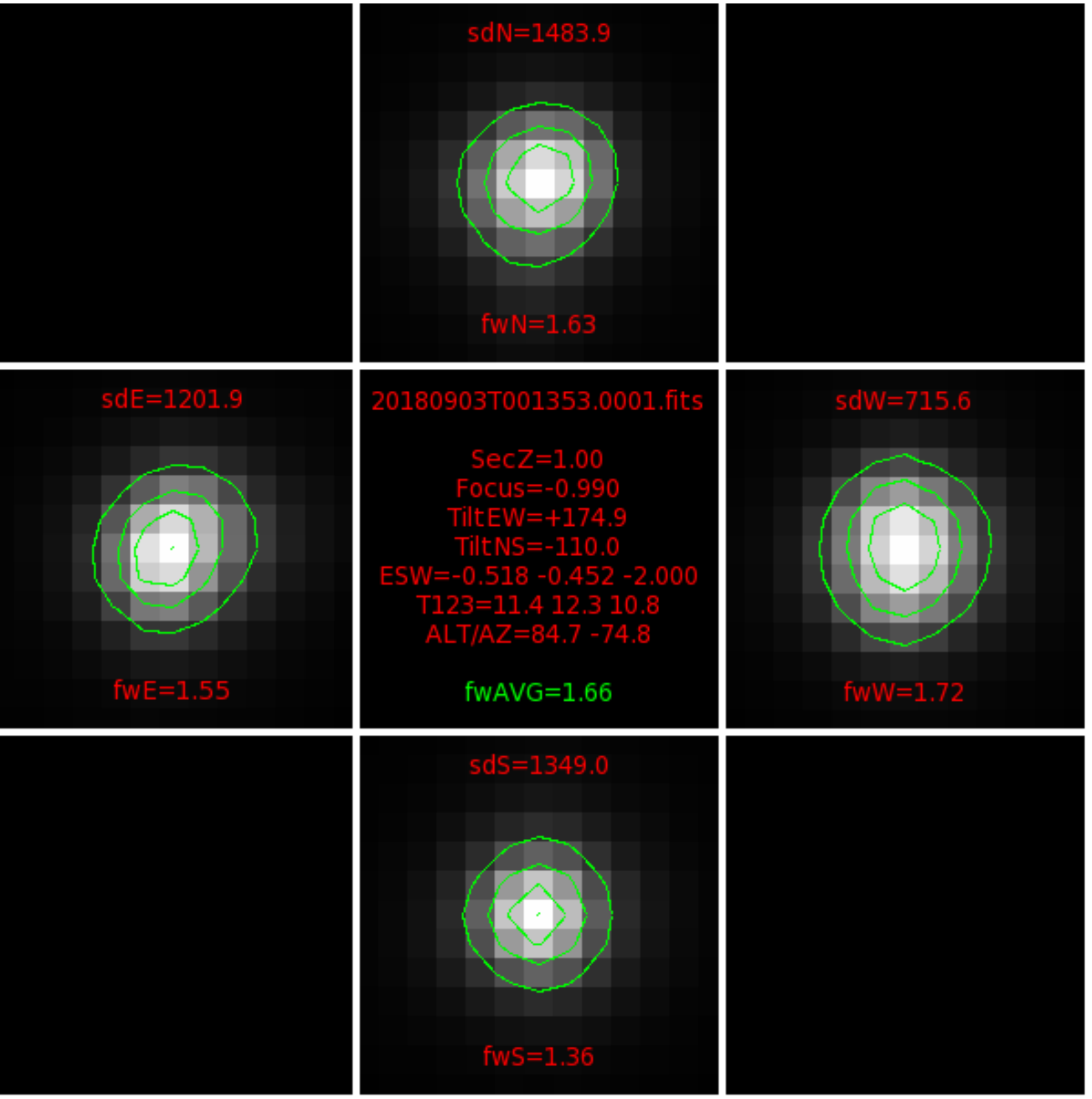
sdN=1483.9
fwN=1.63
sdE=1201.9
fwE=1.55
20180903T001353.0001.fits
SecZ=1.00
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.4 12.3 10.8
ALT/AZ=84.7 -74.8
fwAVG=1.66
sdW=715.6
fwW=1.72
sdS=1349.0
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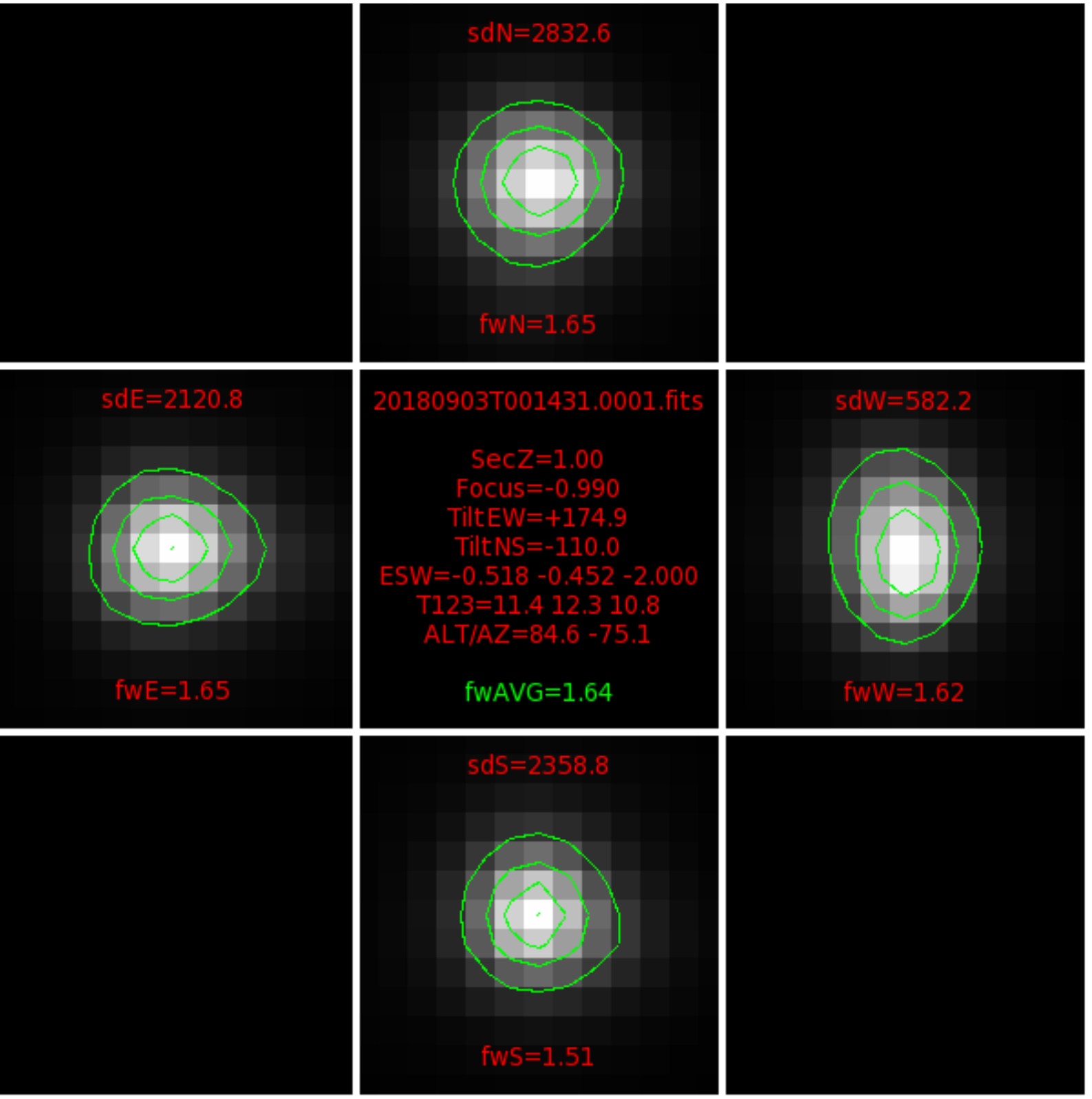
sdN=2832.6
fwN=1.65
sdE=2120.8
fwE=1.65
20180903T001431.0001.fits
SecZ=1.00
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.4 12.3 10.8
ALT/AZ=84.6 -75.1
fwAVG=1.64
sdW=582.2
fwW=1.62
sdS=2358.8
fwS=1.51
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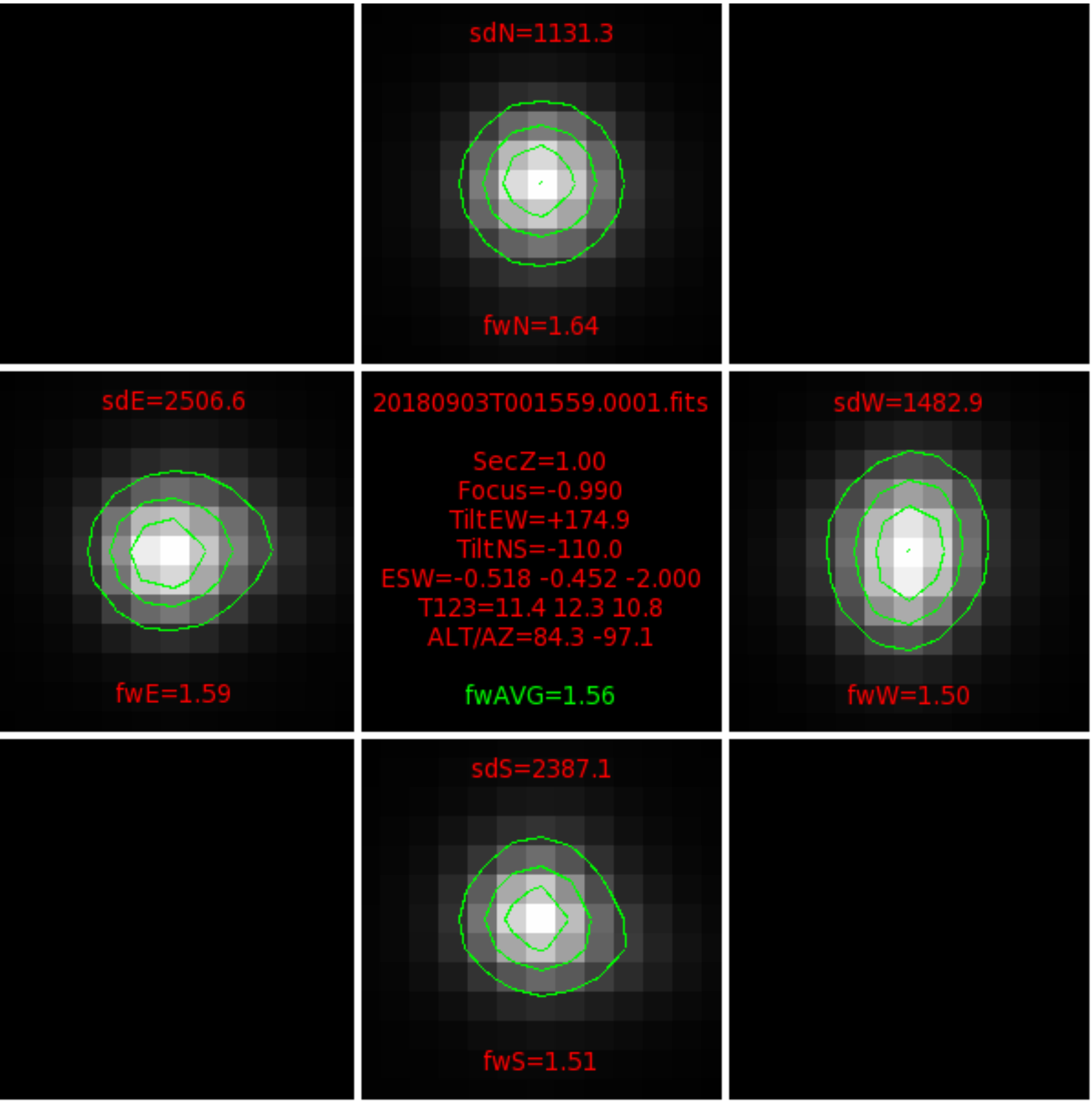
sdN=1131.3
fwN=1.64
sdE=2506.6
fwE=1.59
20180903T001559.0001.fits
SecZ=1.00
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.4 12.3 10.8
ALT/AZ=84.3 -97.1
fwAVG=1.56
sdW=1482.9
fwW=1.50
sdS=2387.1
fwS=1.51
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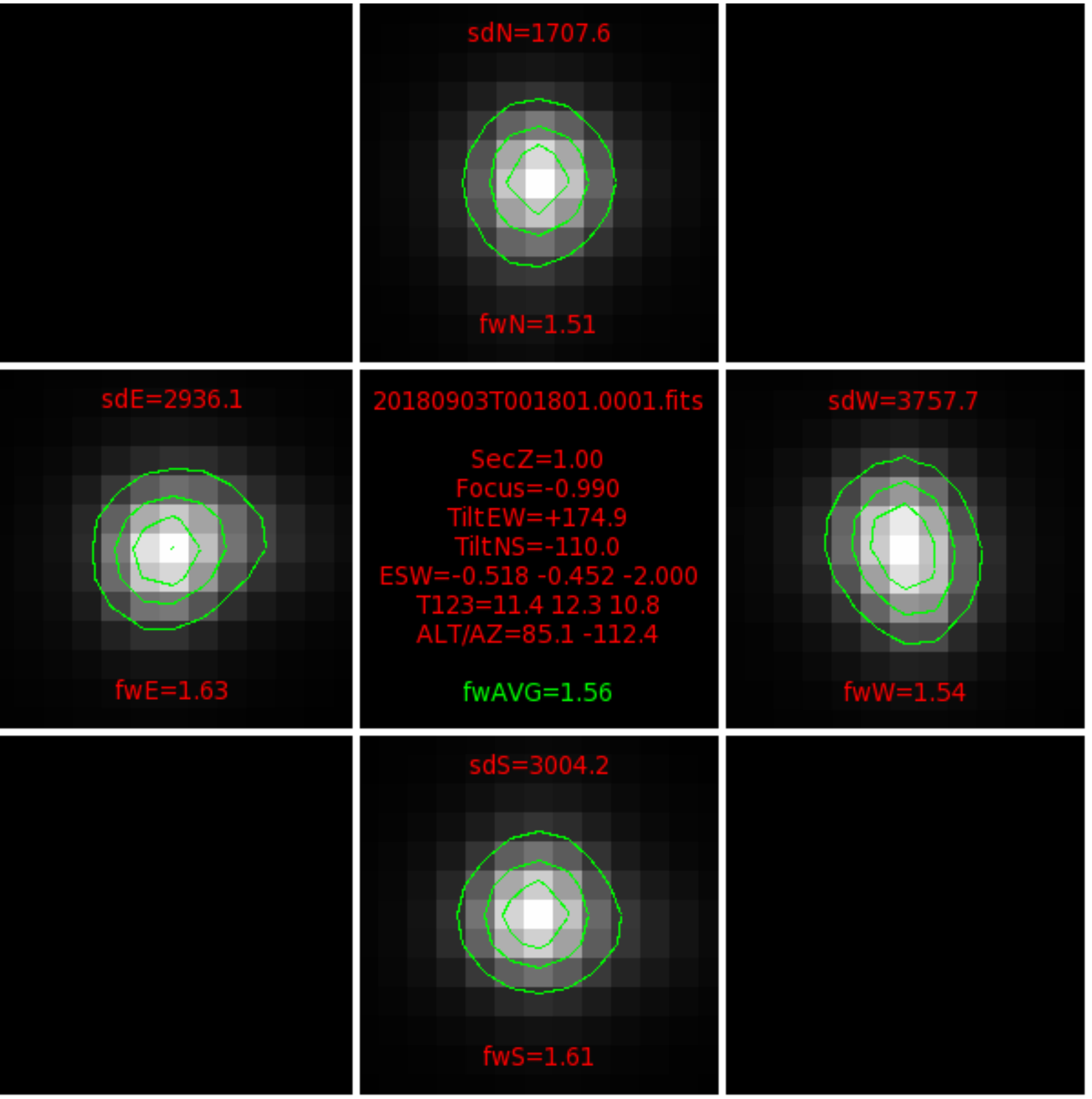
sdN=1707.6
fwN=1.51
sdE=2936.1
fwE=1.63
20180903T001801.0001.fits
SecZ=1.00
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.4 12.3 10.8
ALT/AZ=85.1 -112.4
fwAVG=1.56
sdW=3757.7
fwW=1.54
sdS=3004.2
fwS=1.61
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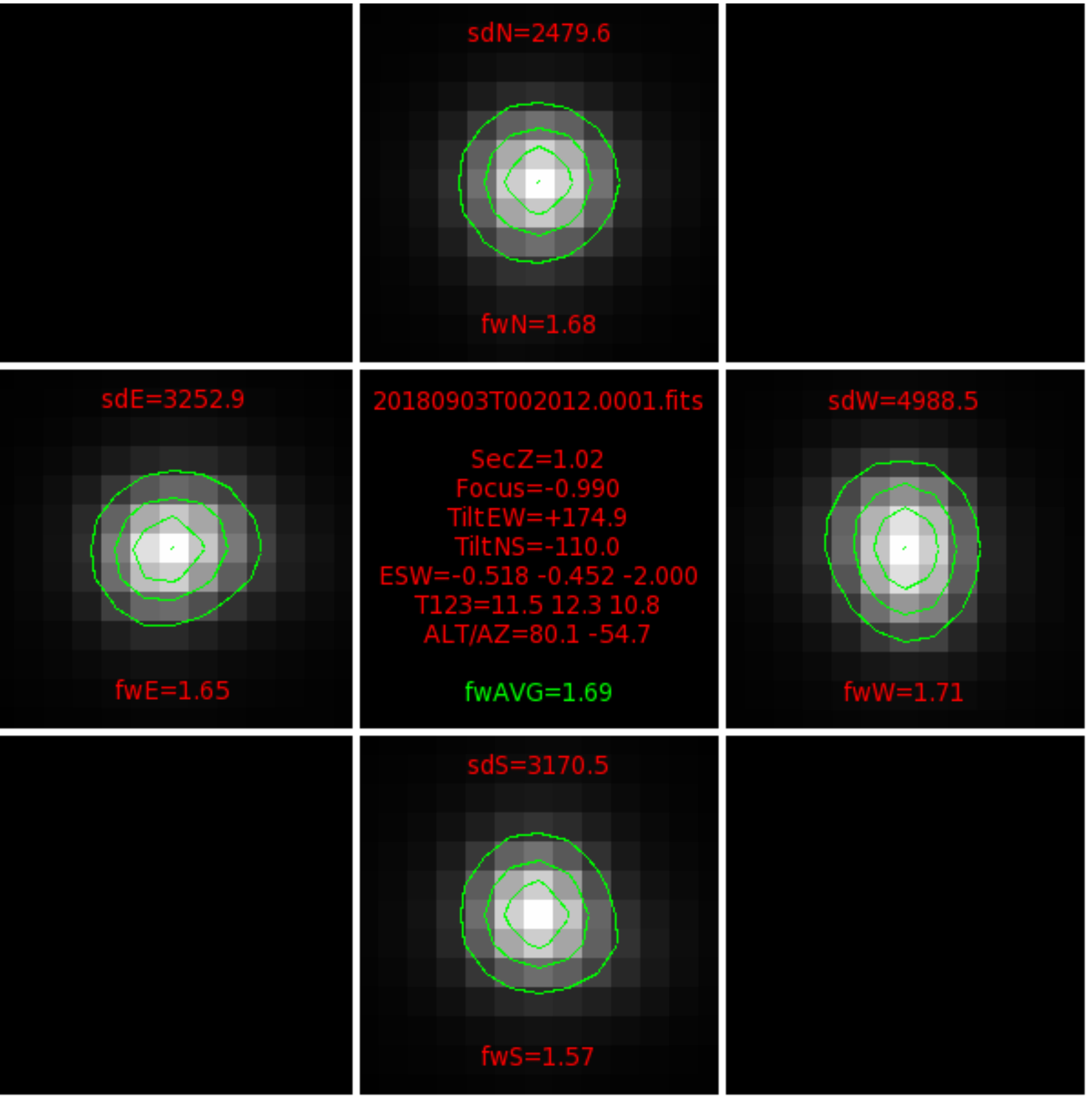
sdN=2479.6
fwN=1.68
sdE=3252.9
fwE=1.65
20180903T002012.0001.fits
SecZ=1.02
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.5 12.3 10.8
ALT/AZ=80.1 -54.7
fwAVG=1.69
sdW=4988.5
fwW=1.71
sdS=3170.5
fwS=1.57
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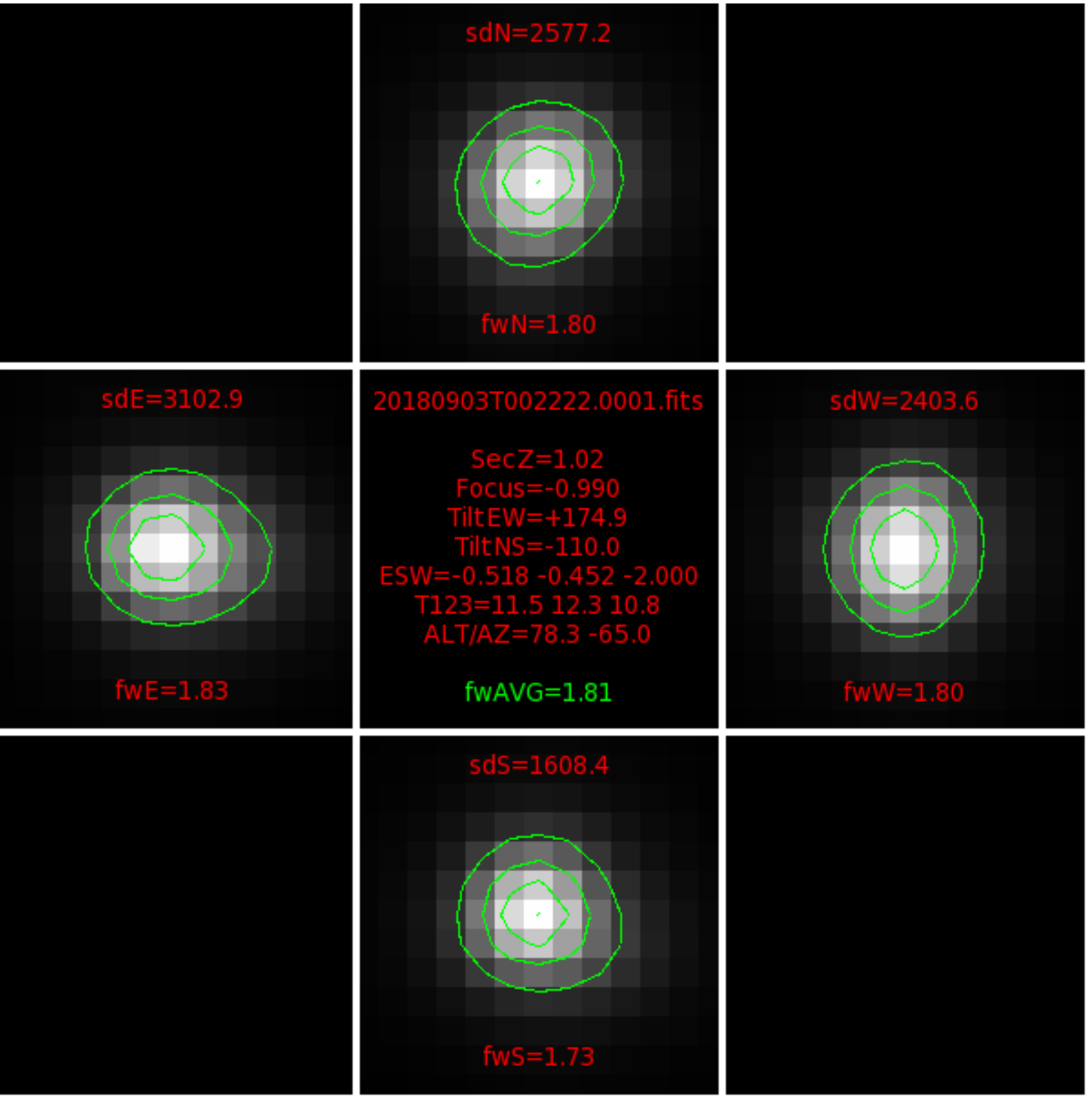
sdN=2577.2
fwN=1.80
sdE=3102.9
fwE=1.83
20180903T002222.0001.fits
SecZ=1.02
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.5 12.3 10.8
ALT/AZ=78.3 -65.0
fwAVG=1.81
sdW=2403.6
fwW=1.80
sdS=1608.4
fwS=1.73
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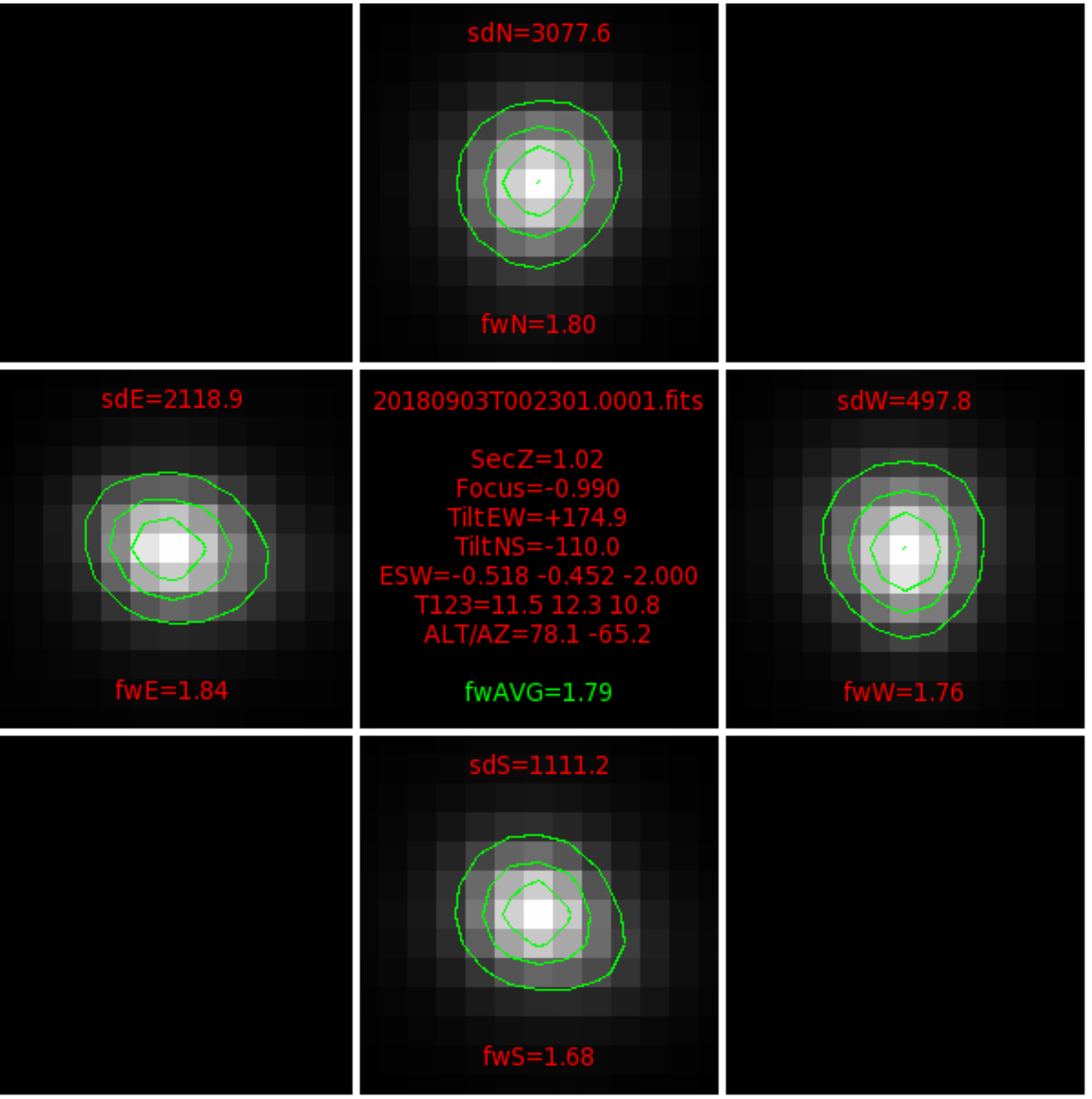
sdN=3077.6
fwN=1.80
sdE=2118.9
fwE=1.84
20180903T002301.0001.fits
SecZ=1.02
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.5 12.3 10.8
ALT/AZ=78.1 -65.2
fwAVG=1.79
sdW=497.8
fwW=1.76
sdS=1111.2
fwS=1.68
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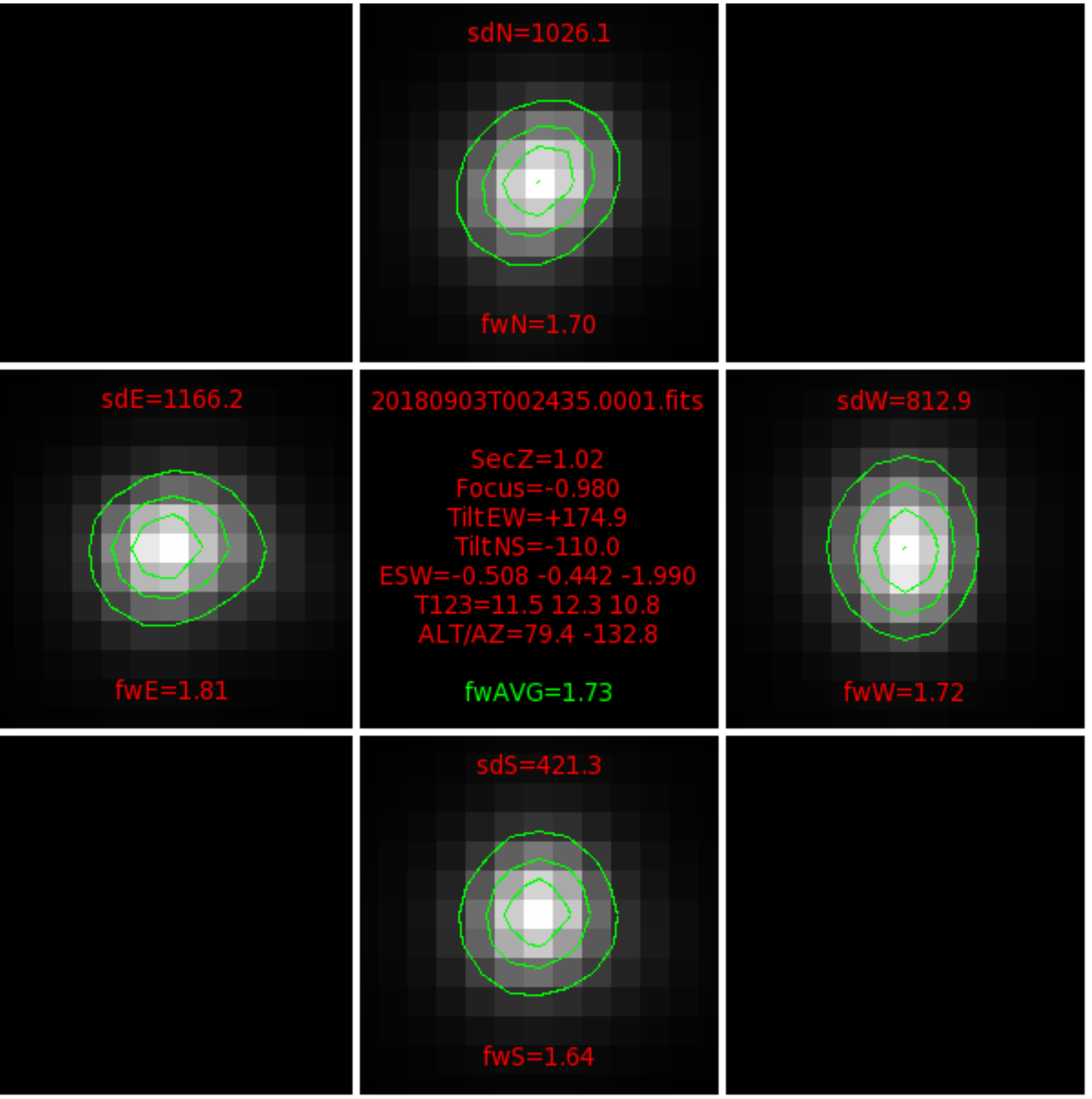
sdN=1026.1
fwN=1.70
sdE=1166.2
fwE=1.81
20180903T002435.0001.fits
SecZ=1.02
Focus=-0.980
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.508 -0.442 -1.990
T123=11.5 12.3 10.8
ALT/AZ=79.4 -132.8
fwAVG=1.73
sdW=812.9
fwW=1.72
sdS=421.3
fwS=1.64
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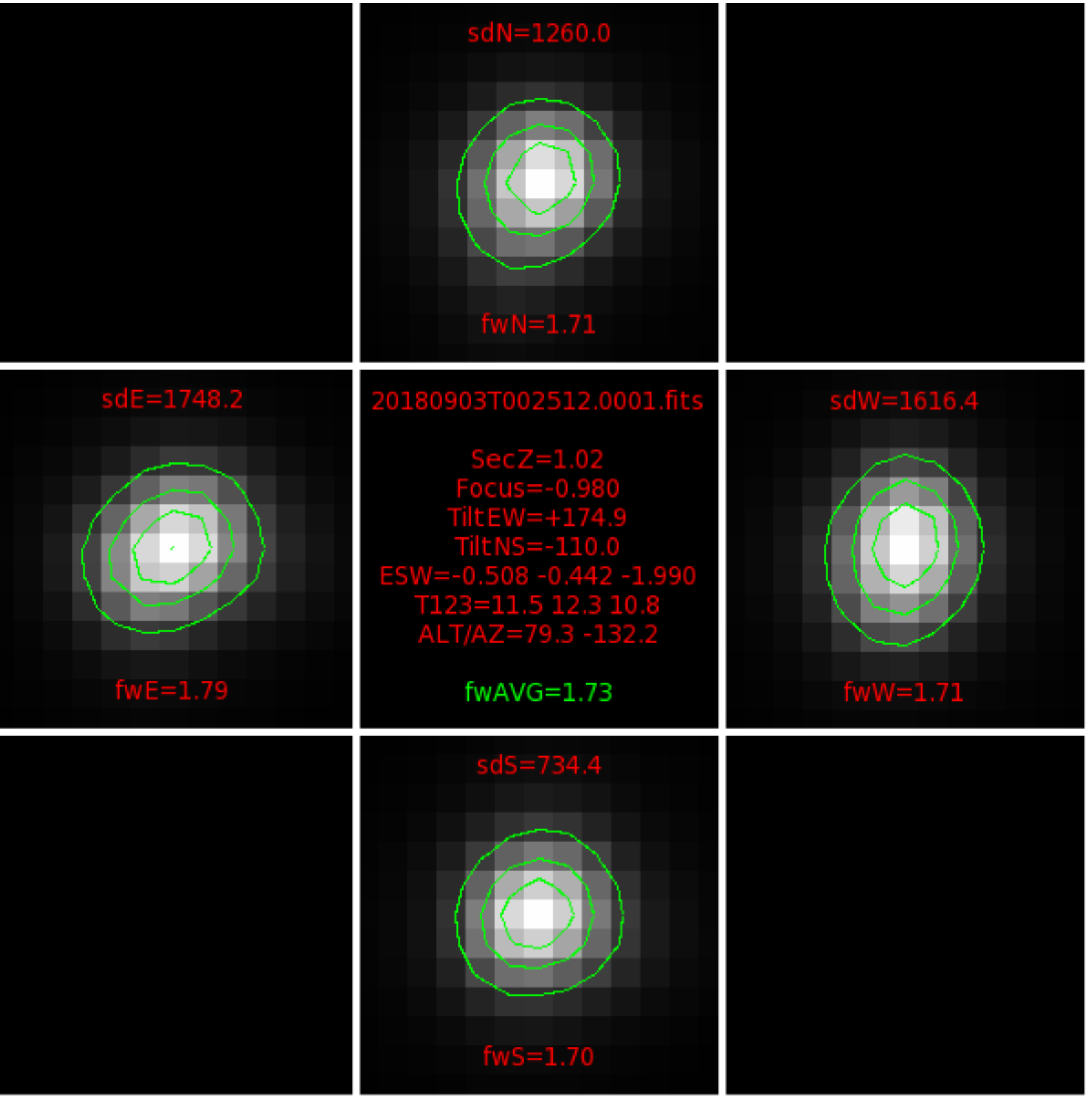
sdN=1260.0
fwN=1.71
sdE=1748.2
fwE=1.79
20180903T002512.0001.fits
SecZ=1.02
Focus=-0.980
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.508 -0.442 -1.990
T123=11.5 12.3 10.8
ALT/AZ=79.3 -132.2
fwAVG=1.73
sdW=1616.4
fwW=1.71
sdS=734.4
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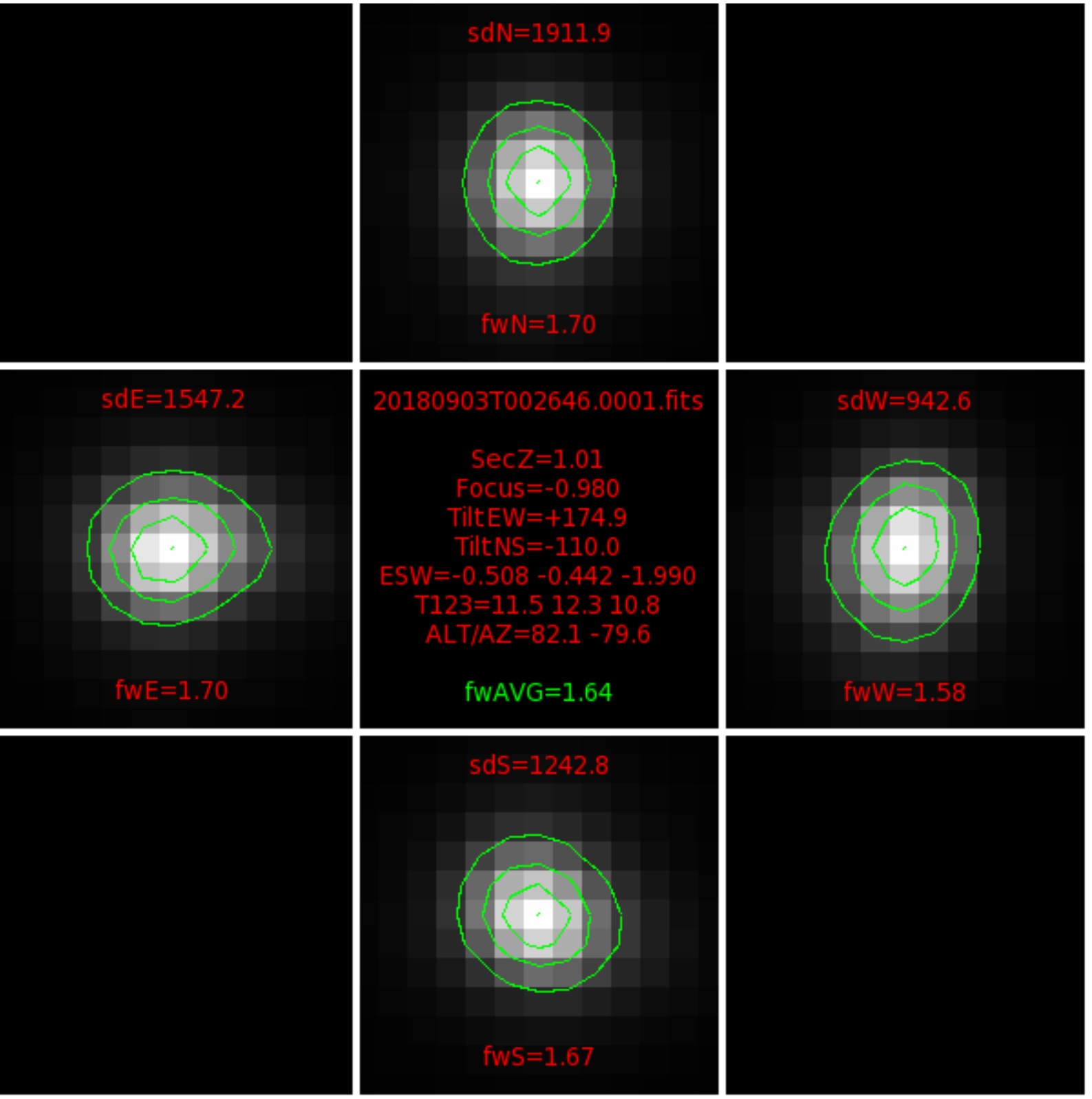
sdN=1911.9
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sdE=1547.2
fwE=1.70
20180903T002646.0001.fits
SecZ=1.01
Focus=-0.980
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.508 -0.442 -1.990
T123=11.5 12.3 10.8
ALT/AZ=82.1 -79.6
fwAVG=1.64
sdW=942.6
fwW=1.58
sdS=1242.8
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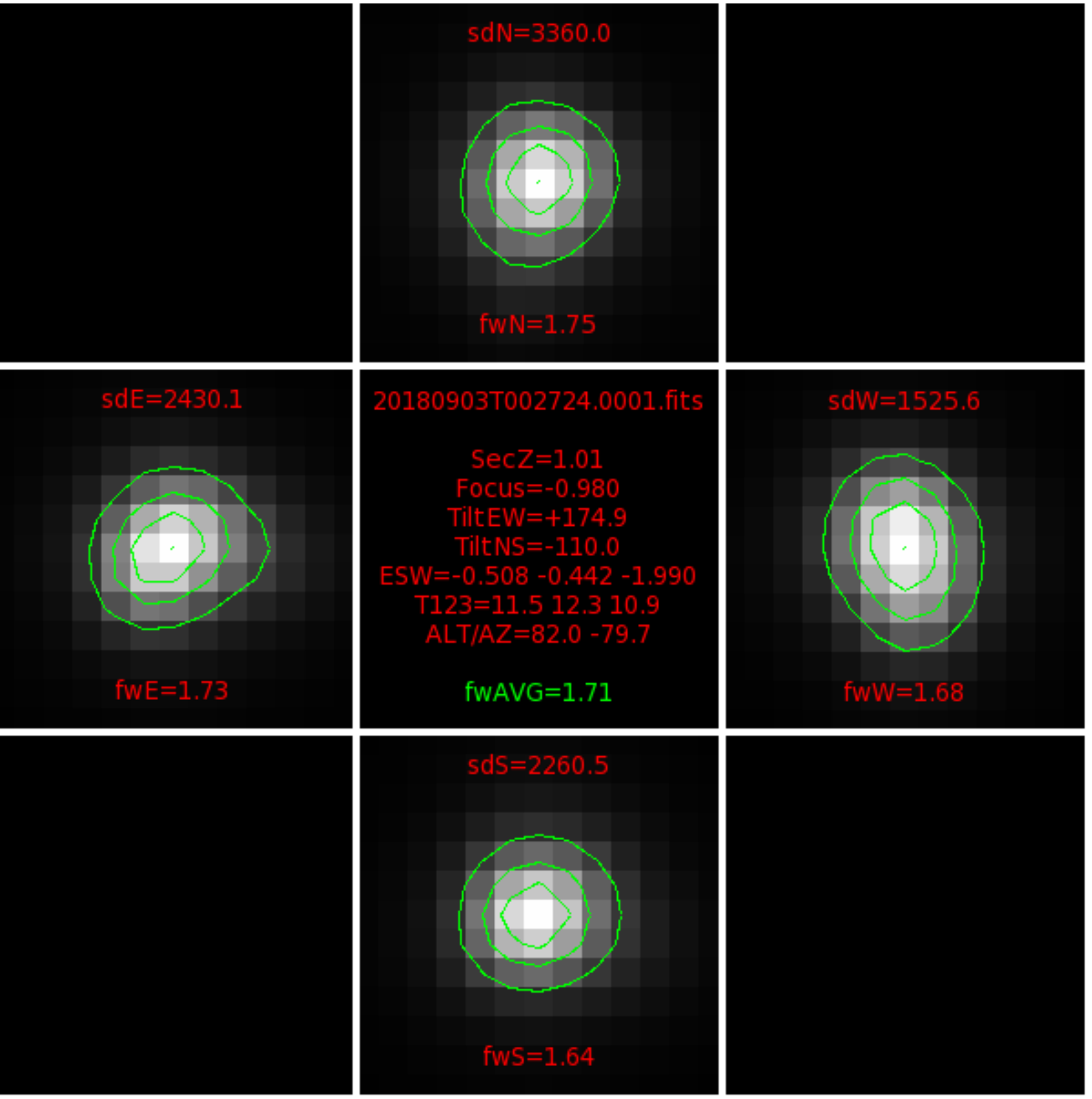
sdN=3360.0
fwN=1.75
sdE=2430.1
fwE=1.73
20180903T002724.0001.fits
SecZ=1.01
Focus=-0.980
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.508 -0.442 -1.990
T123=11.5 12.3 10.9
ALT/AZ=82.0 -79.7
fwAVG=1.71
sdW=1525.6
fwW=1.68
sdS=2260.5
fwS=1.64
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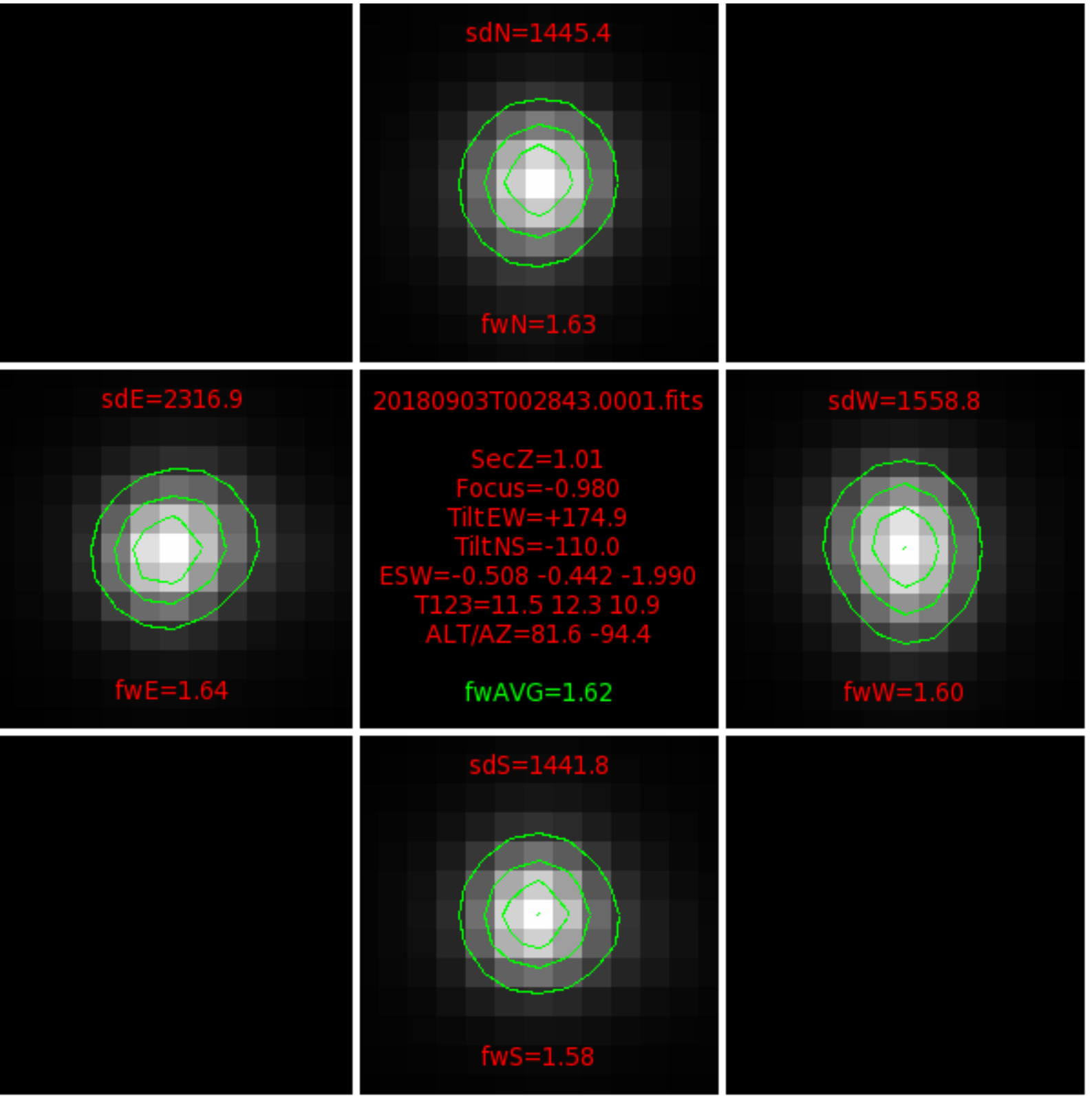
sdN=1445.4
fwN=1.63
sdE=2316.9
fwE=1.64
20180903T002843.0001.fits
SecZ=1.01
Focus=-0.980
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.508 -0.442 -1.990
T123=11.5 12.3 10.9
ALT/AZ=81.6 -94.4
fwAVG=1.62
sdW=1558.8
fwW=1.60
sdS=1441.8
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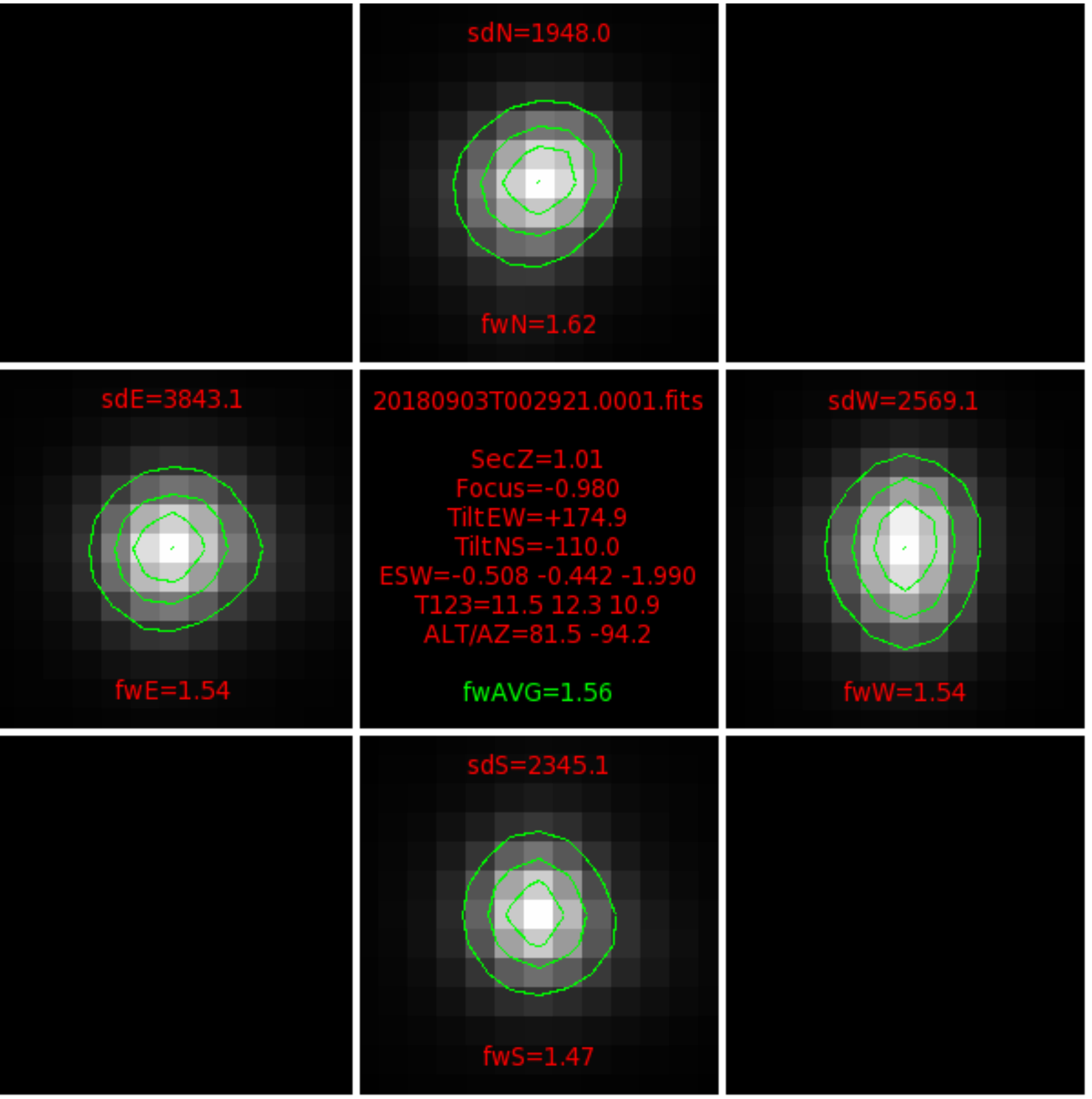
sdN=1948.0
fwN=1.62
sdE=3843.1
fwE=1.54
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SecZ=1.01
Focus=-0.980
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.508 -0.442 -1.990
T123=11.5 12.3 10.9
ALT/AZ=81.5 -94.2
fwAVG=1.56
sdW=2569.1
fwW=1.54
sdS=2345.1
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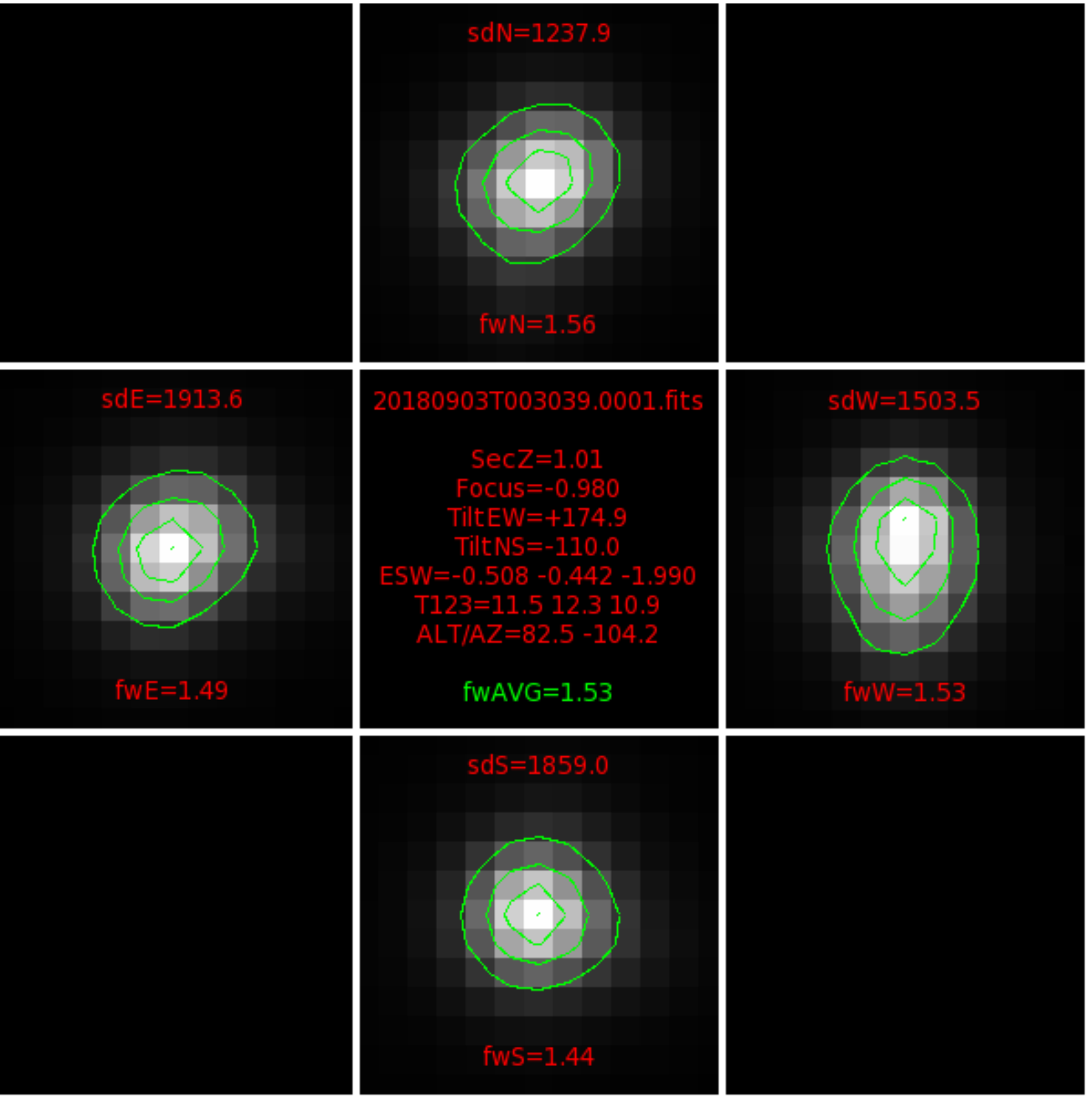
sdN=1237.9
fwN=1.56
sdE=1913.6
fwE=1.49
20180903T003039.0001.fits
SecZ=1.01
Focus=-0.980
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.508 -0.442 -1.990
T123=11.5 12.3 10.9
ALT/AZ=82.5 -104.2
fwAVG=1.53
sdW=1503.5
fwW=1.53
sdS=1859.0
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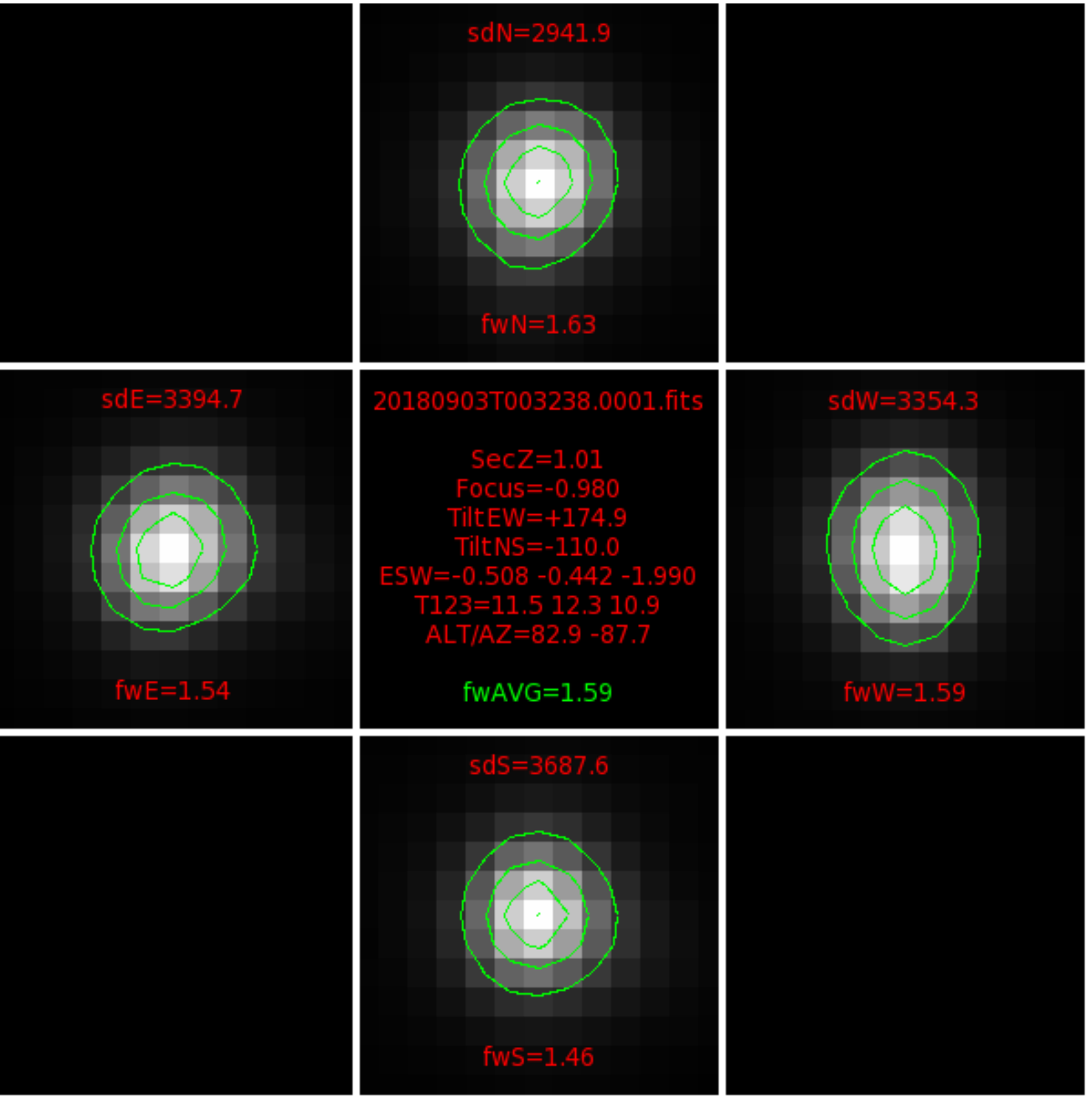
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sdE=3394.7
fwE=1.54
20180903T003238.0001.fits
SecZ=1.01
Focus=-0.980
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.508 -0.442 -1.990
T123=11.5 12.3 10.9
ALT/AZ=82.9 -87.7
fwAVG=1.59
sdW=3354.3
fwW=1.59
sdS=3687.6
fwS=1.46
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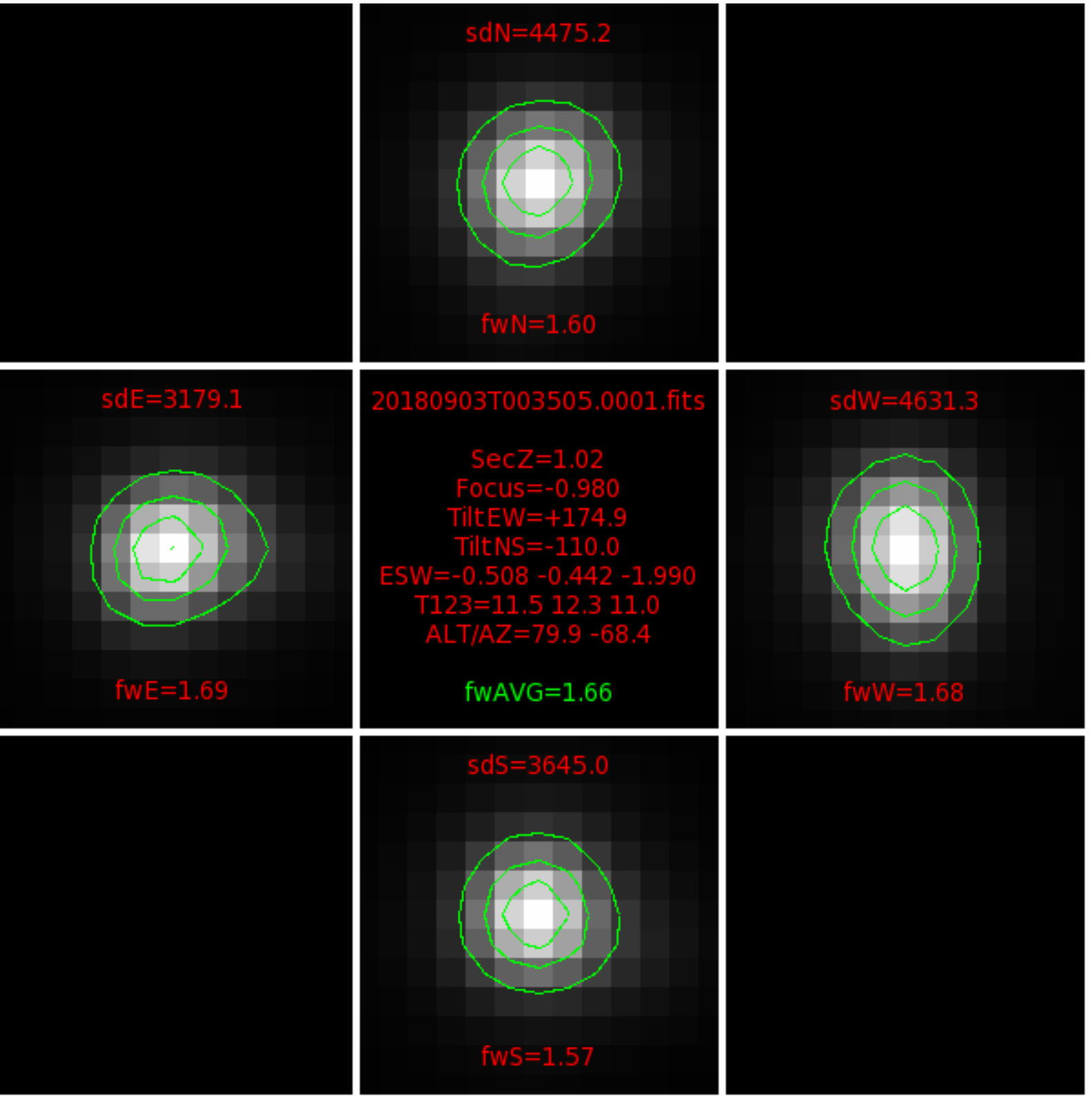
sdN=4475.2
fwN=1.60
sdE=3179.1
fwE=1.69
20180903T003505.0001.fits
SecZ=1.02
Focus=-0.980
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.508 -0.442 -1.990
T123=11.5 12.3 11.0
ALT/AZ=79.9 -68.4
fwAVG=1.66
sdW=4631.3
fwW=1.68
sdS=3645.0
fwS=1.57
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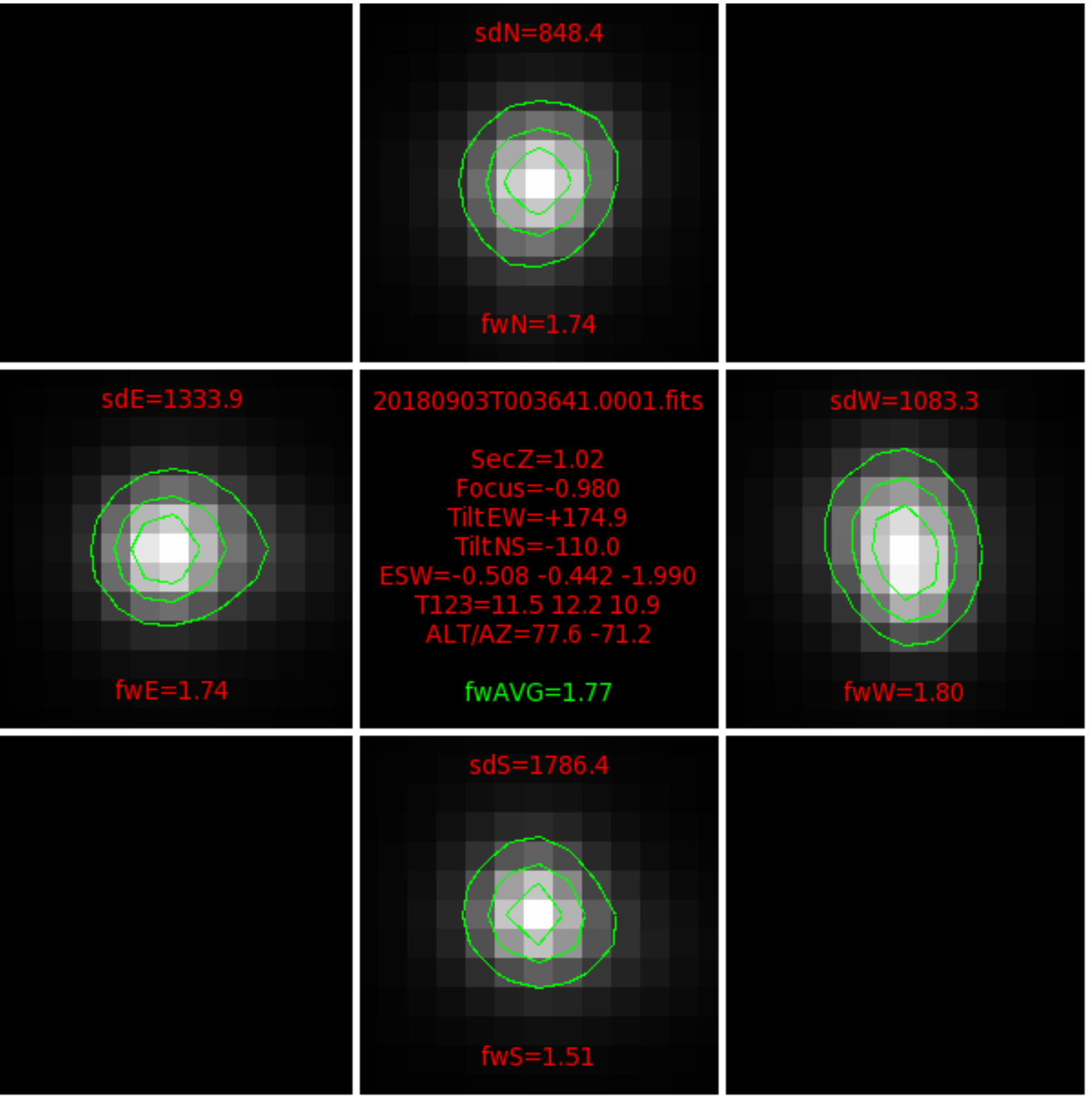
sdN=848.4
fwN=1.74
sdE=1333.9
fwE=1.74
20180903T003641.0001.fits
SecZ=1.02
Focus=-0.980
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.508 -0.442 -1.990
T123=11.5 12.2 10.9
ALT/AZ=77.6 -71.2
fwAVG=1.77
sdW=1083.3
fwW=1.80
sdS=1786.4
fwS=1.51
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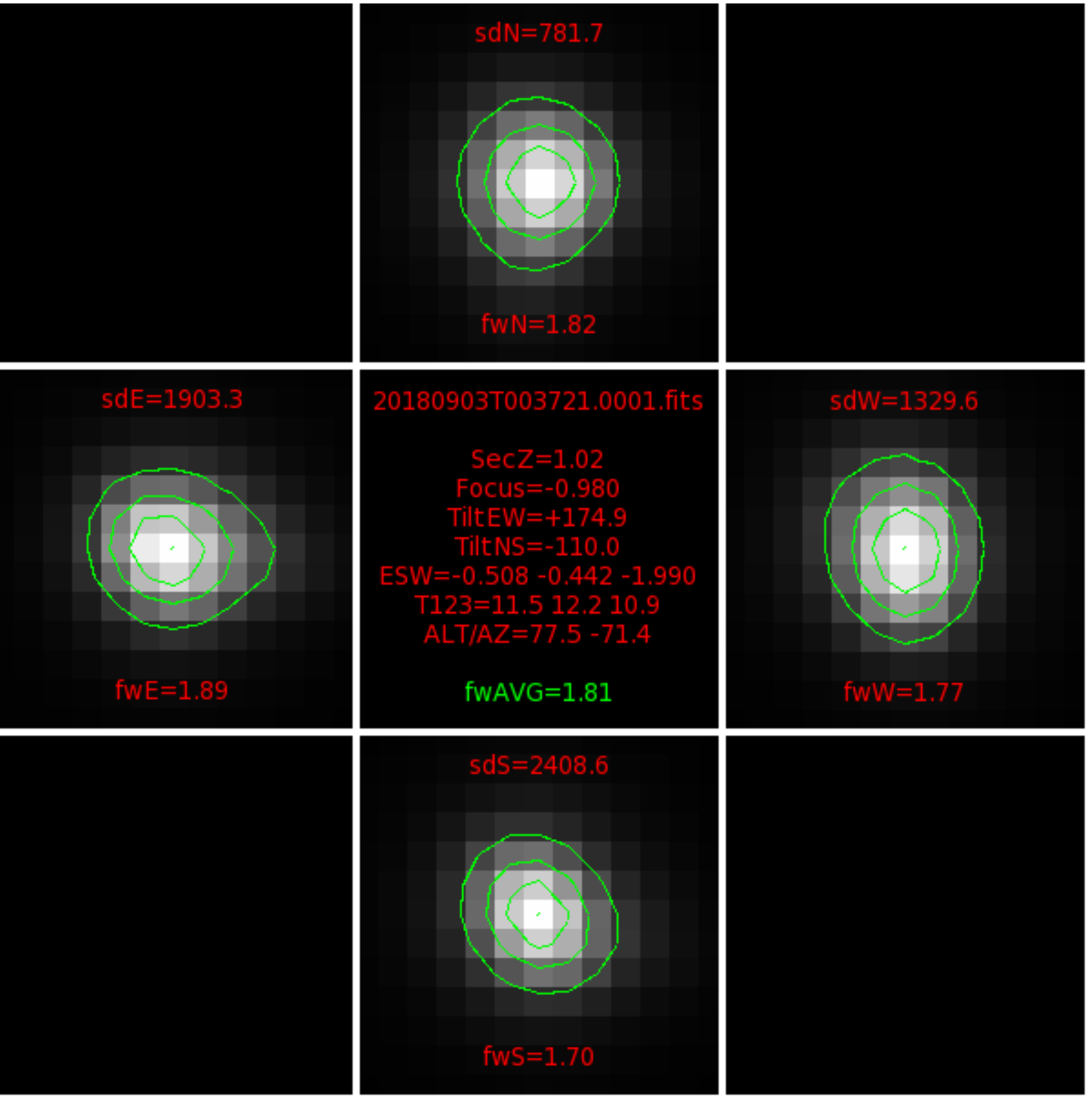
sdN=781.7
fwN=1.82
sdE=1903.3
fwE=1.89
20180903T003721.0001.fits
SecZ=1.02
Focus=-0.980
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.508 -0.442 -1.990
T123=11.5 12.2 10.9
ALT/AZ=77.5 -71.4
fwAVG=1.81
sdW=1329.6
fwW=1.77
sdS=2408.6
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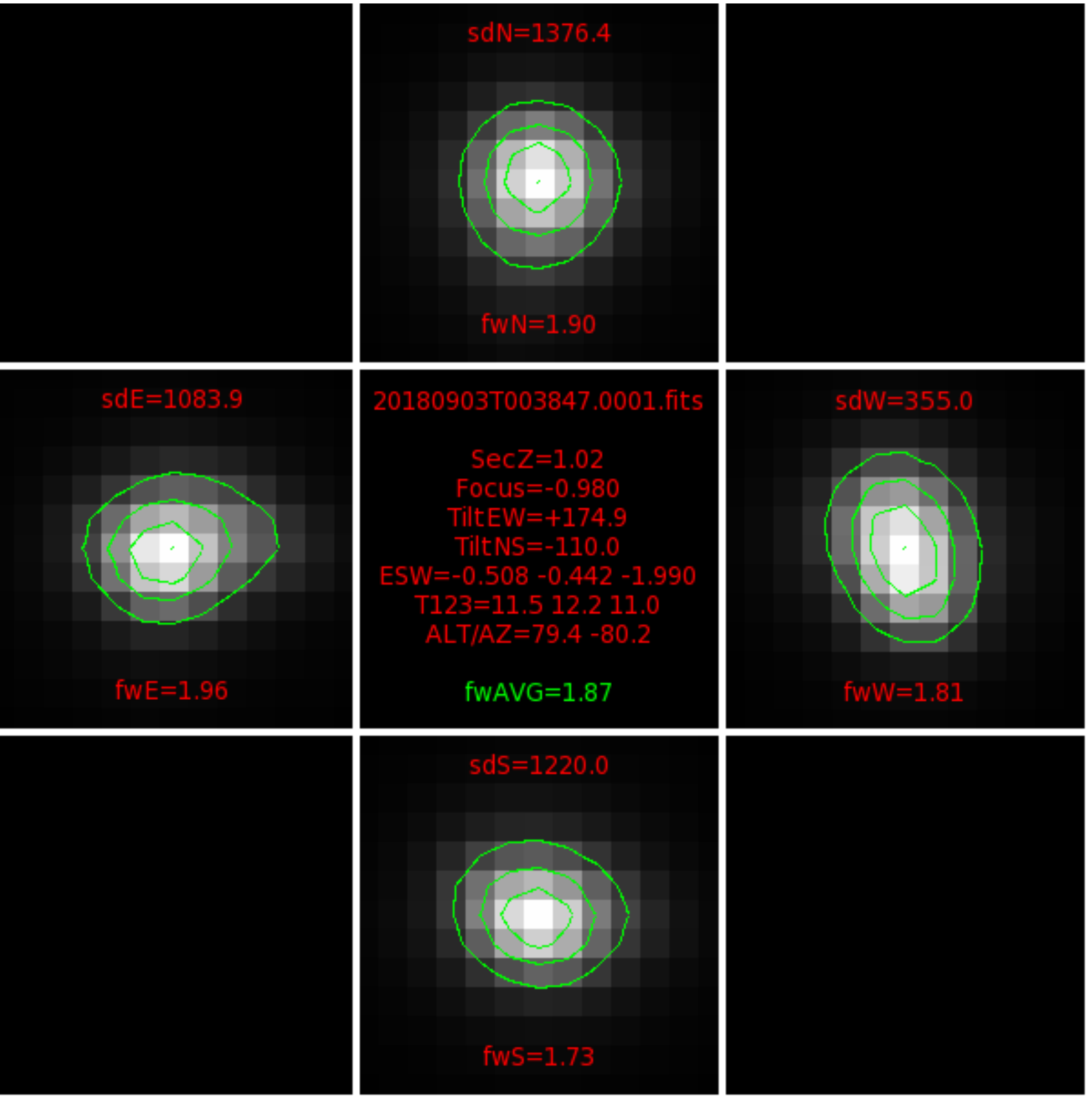
sdN=1376.4
fwN=1.90
sdE=1083.9
fwE=1.96
20180903T003847.0001.fits
SecZ=1.02
Focus=-0.980
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.508 -0.442 -1.990
T123=11.5 12.2 11.0
ALT/AZ=79.4 -80.2
fwAVG=1.87
sdW=355.0
fwW=1.81
sdS=1220.0
fwS=1.73
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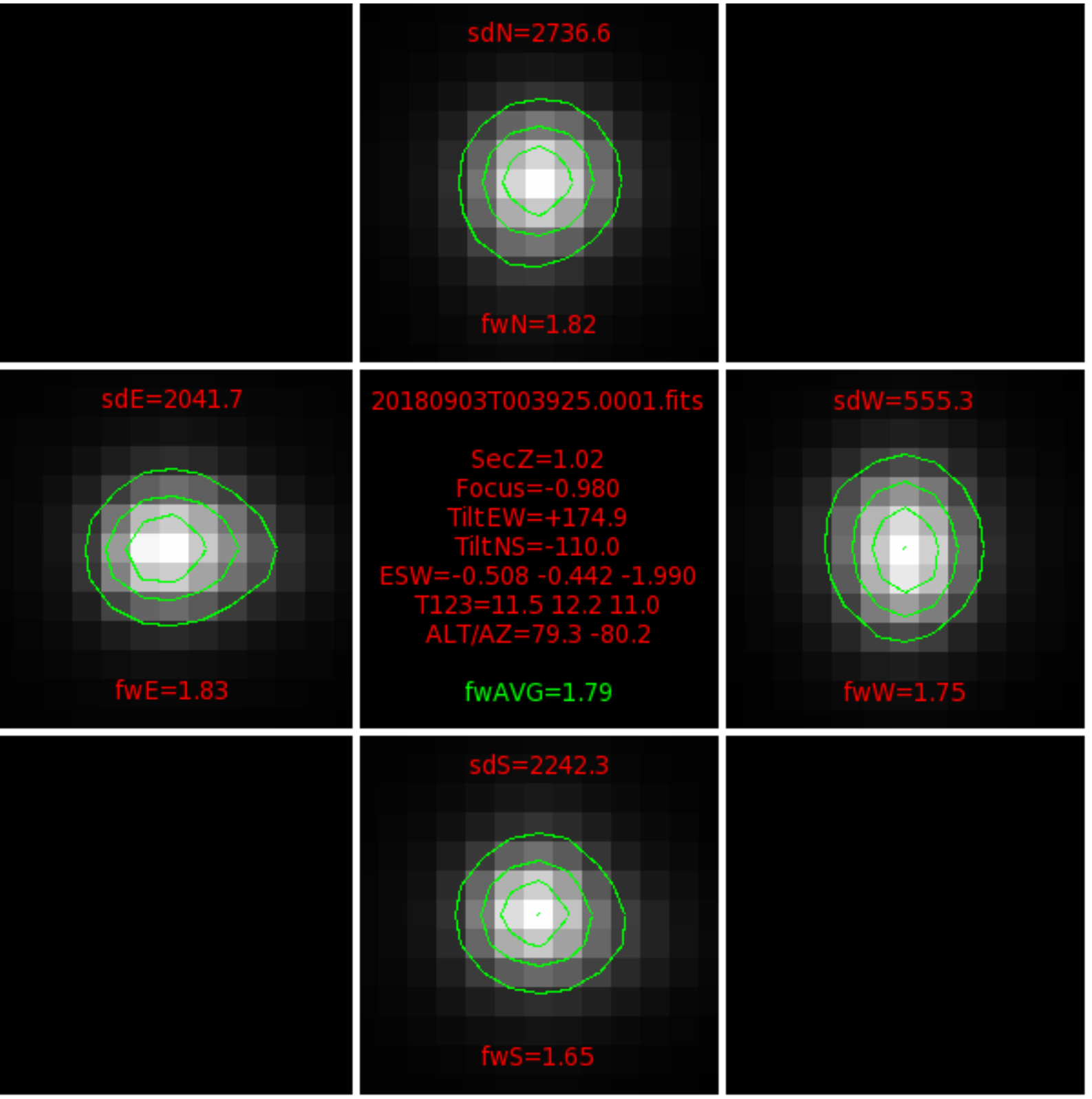
sdN=2736.6
fwN=1.82
sdE=2041.7
fwE=1.83
20180903T003925.0001.fits
SecZ=1.02
Focus=-0.980
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.508 -0.442 -1.990
T123=11.5 12.2 11.0
ALT/AZ=79.3 -80.2
fwAVG=1.79
sdW=555.3
fwW=1.75
sdS=2242.3
fwS=1.65
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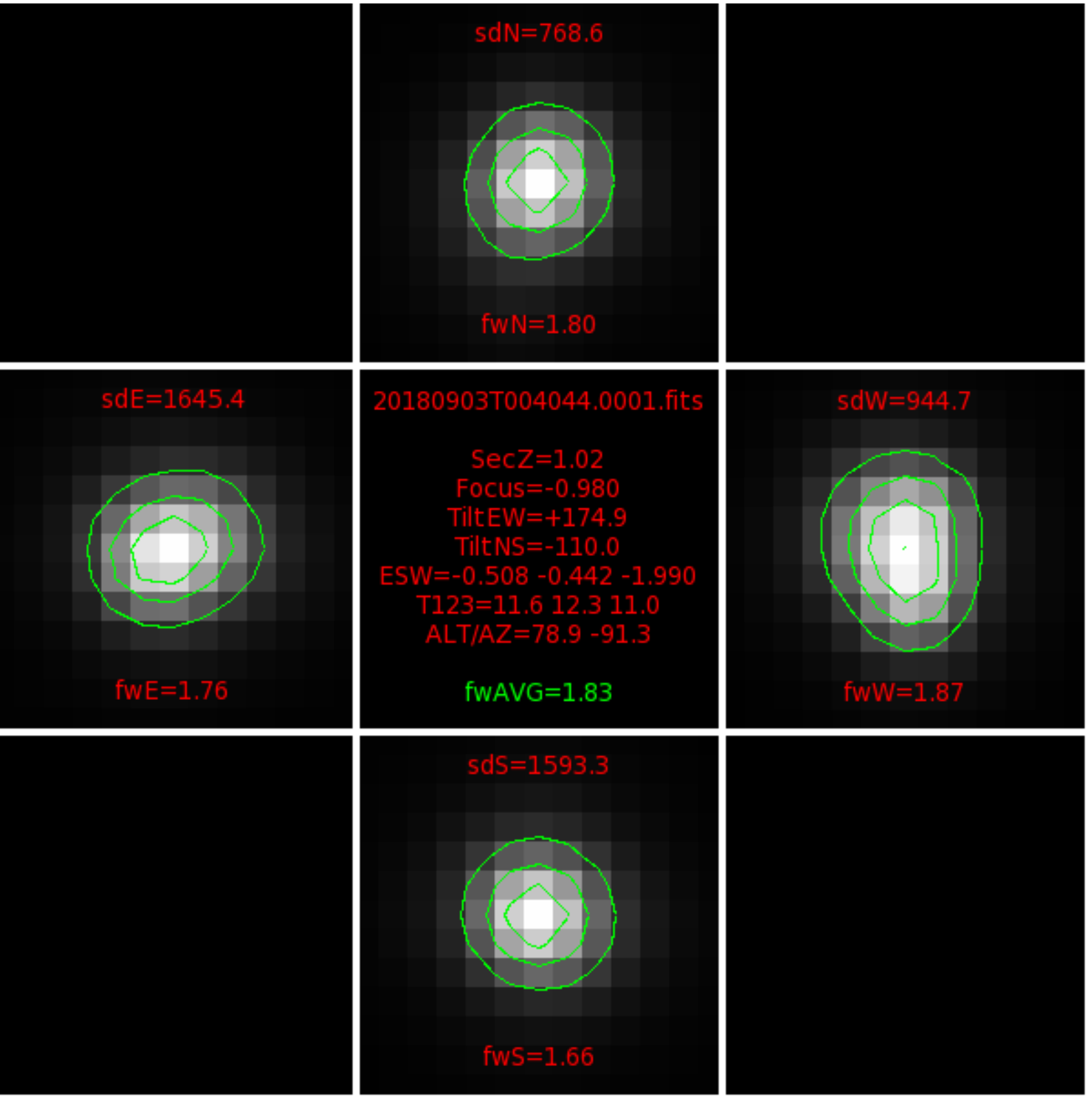
sdN=768.6
fwN=1.80
sdE=1645.4
fwE=1.76
20180903T004044.0001.fits
SecZ=1.02
Focus=-0.980
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.508 -0.442 -1.990
T123=11.6 12.3 11.0
ALT/AZ=78.9 -91.3
fwAVG=1.83
sdW=944.7
fwW=1.87
sdS=1593.3
fwS=1.66
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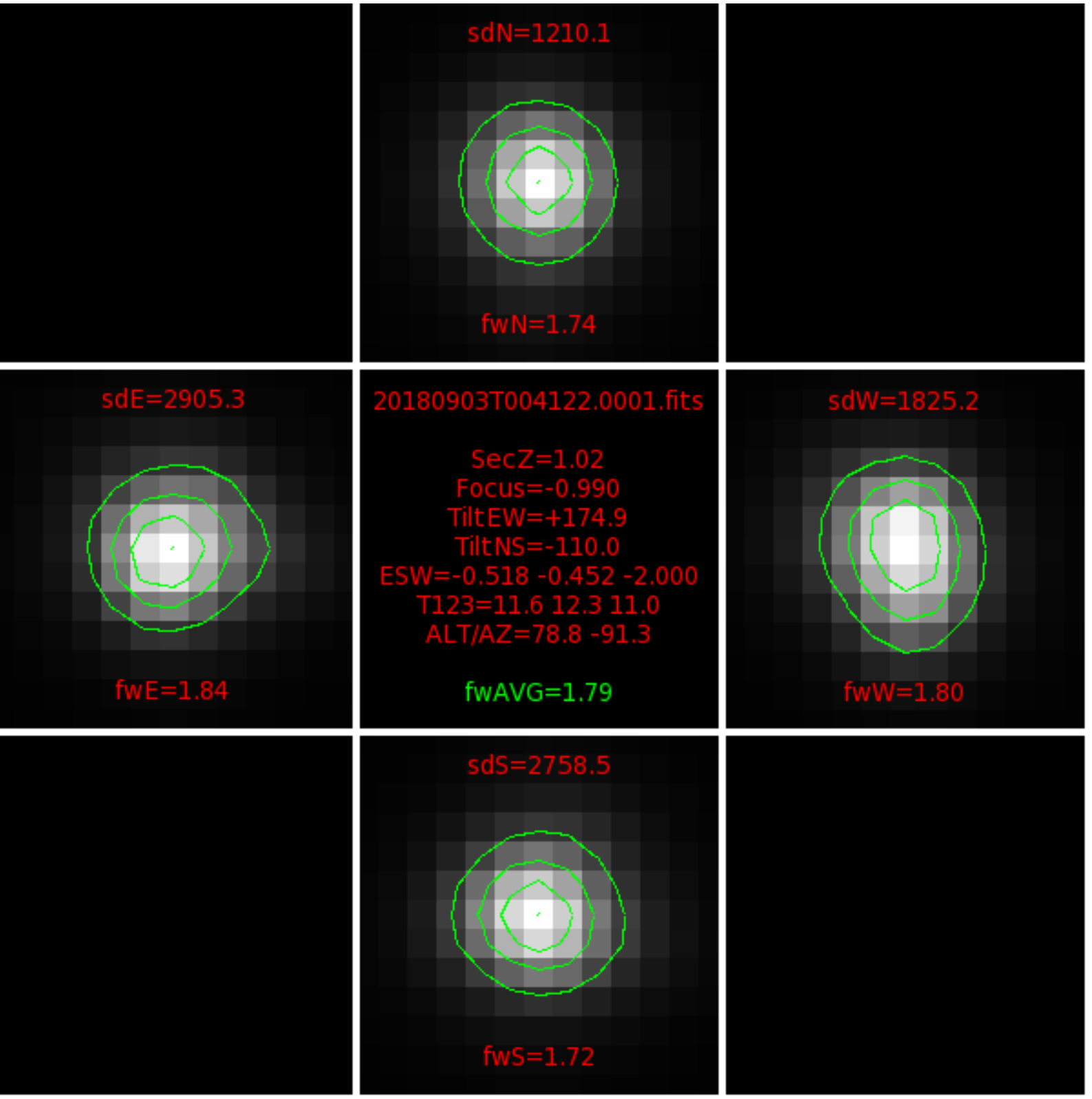
sdN=1210.1
fwN=1.74
sdE=2905.3
fwE=1.84
20180903T004122.0001.fits
SecZ=1.02
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.6 12.3 11.0
ALT/AZ=78.8 -91.3
fwAVG=1.79
sdW=1825.2
fwW=1.80
sdS=2758.5
fwS=1.72
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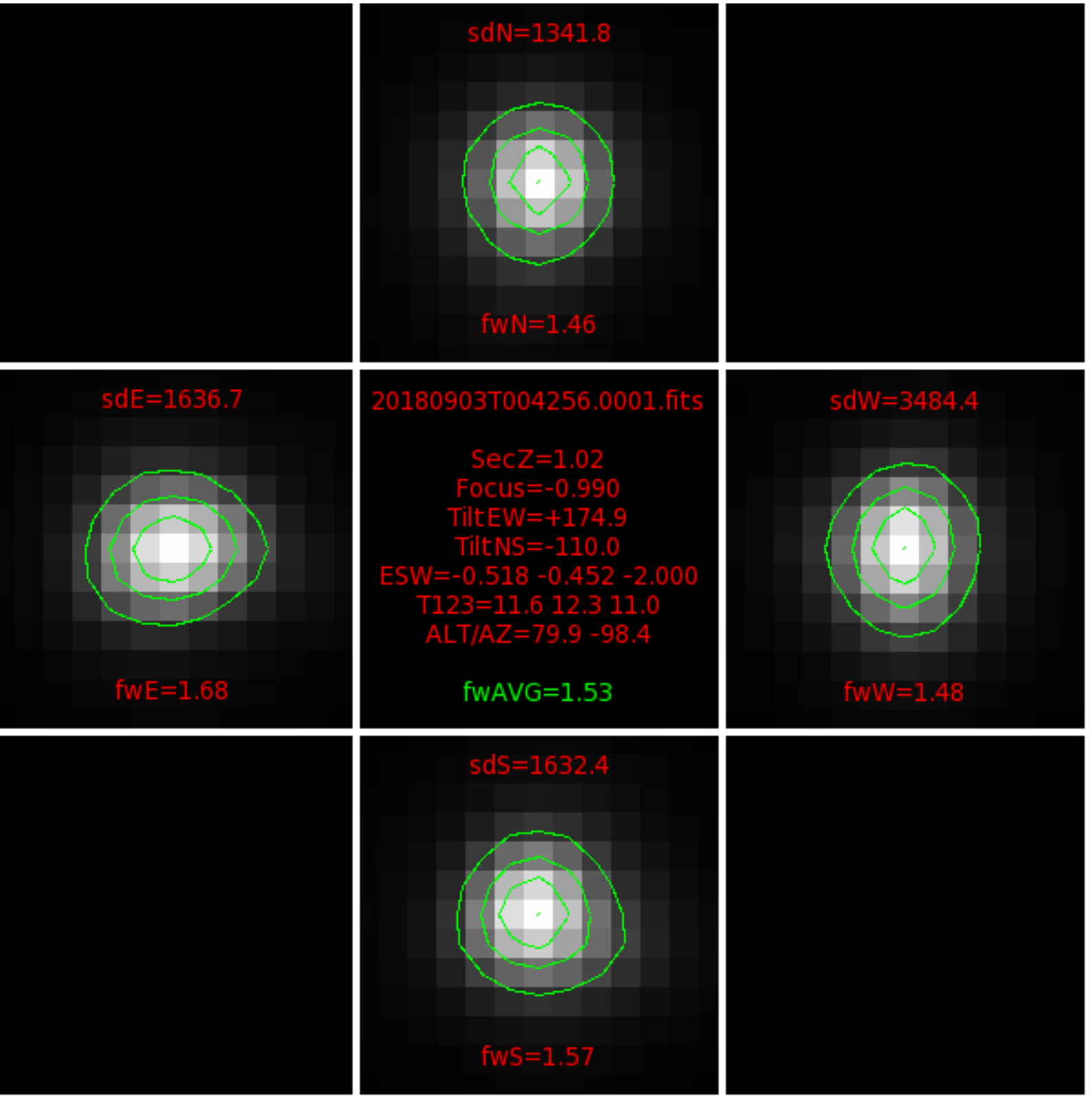
sdN=1341.8
fwN=1.46
sdE=1636.7
fwE=1.68
20180903T004256.0001.fits
SecZ=1.02
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.6 12.3 11.0
ALT/AZ=79.9 -98.4
fwAVG=1.53
sdW=3484.4
fwW=1.48
sdS=1632.4
fwS=1.57
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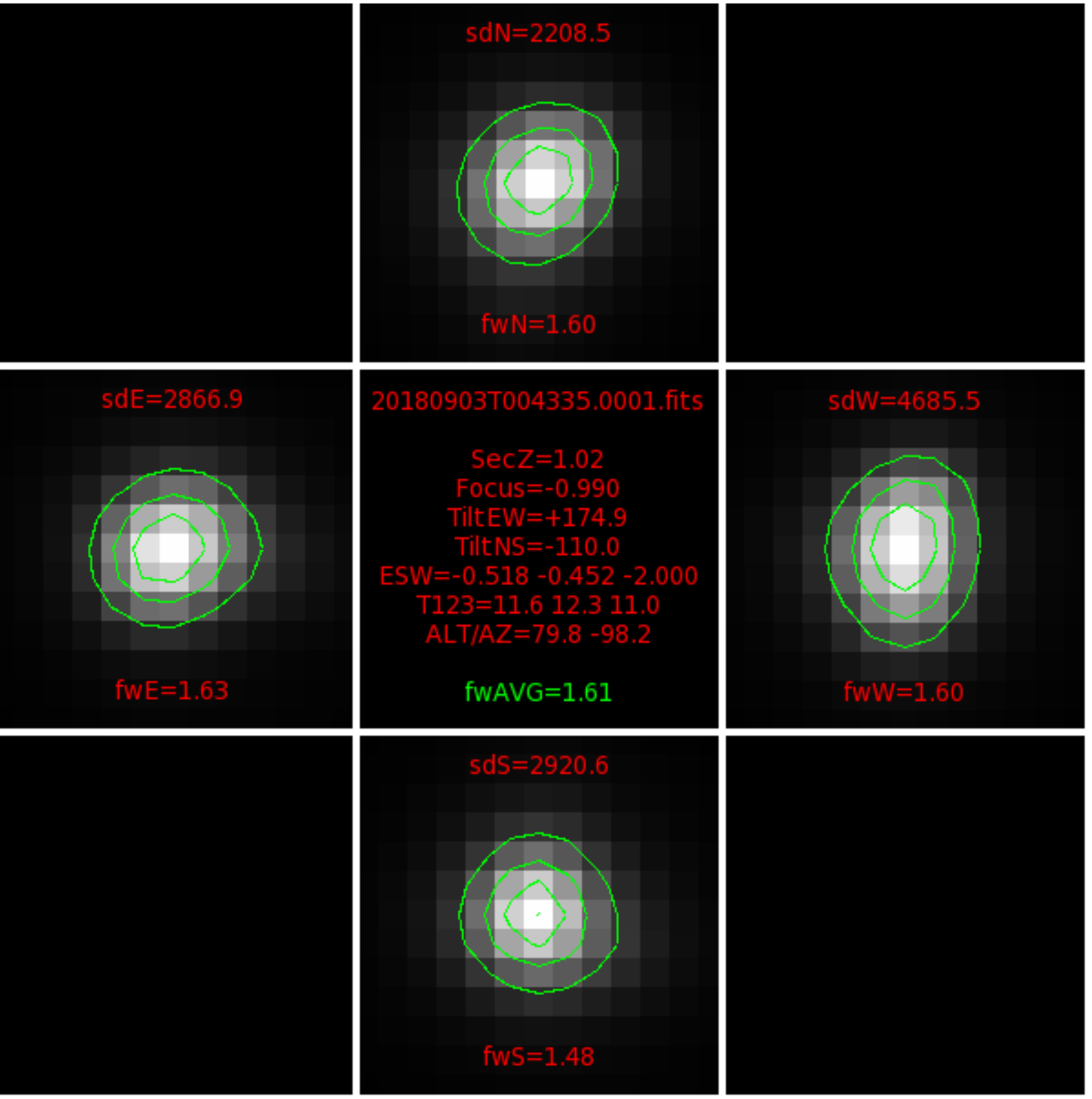
sdN=2208.5
fwN=1.60
sdE=2866.9
fwE=1.63
20180903T004335.0001.fits
SecZ=1.02
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.6 12.3 11.0
ALT/AZ=79.8 -98.2
fwAVG=1.61
sdW=4685.5
fwW=1.60
sdS=2920.6
fwS=1.48
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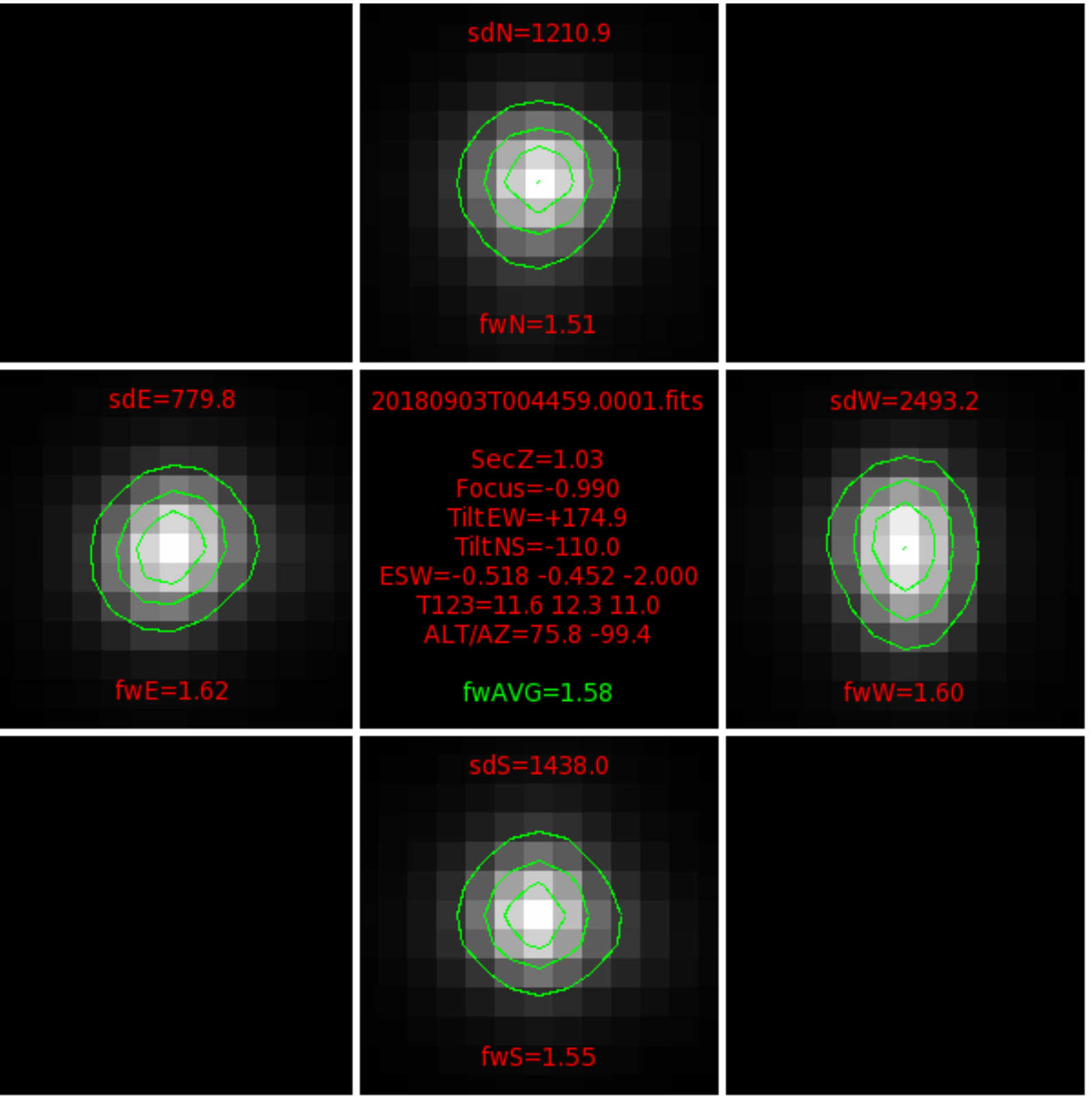
sdN=1210.9
fwN=1.51
sdE=779.8
fwE=1.62
20180903T004459.0001.fits
SecZ=1.03
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.6 12.3 11.0
ALT/AZ=75.8 -99.4
fwAVG=1.58
sdW=2493.2
fwW=1.60
sdS=1438.0
fwS=1.55
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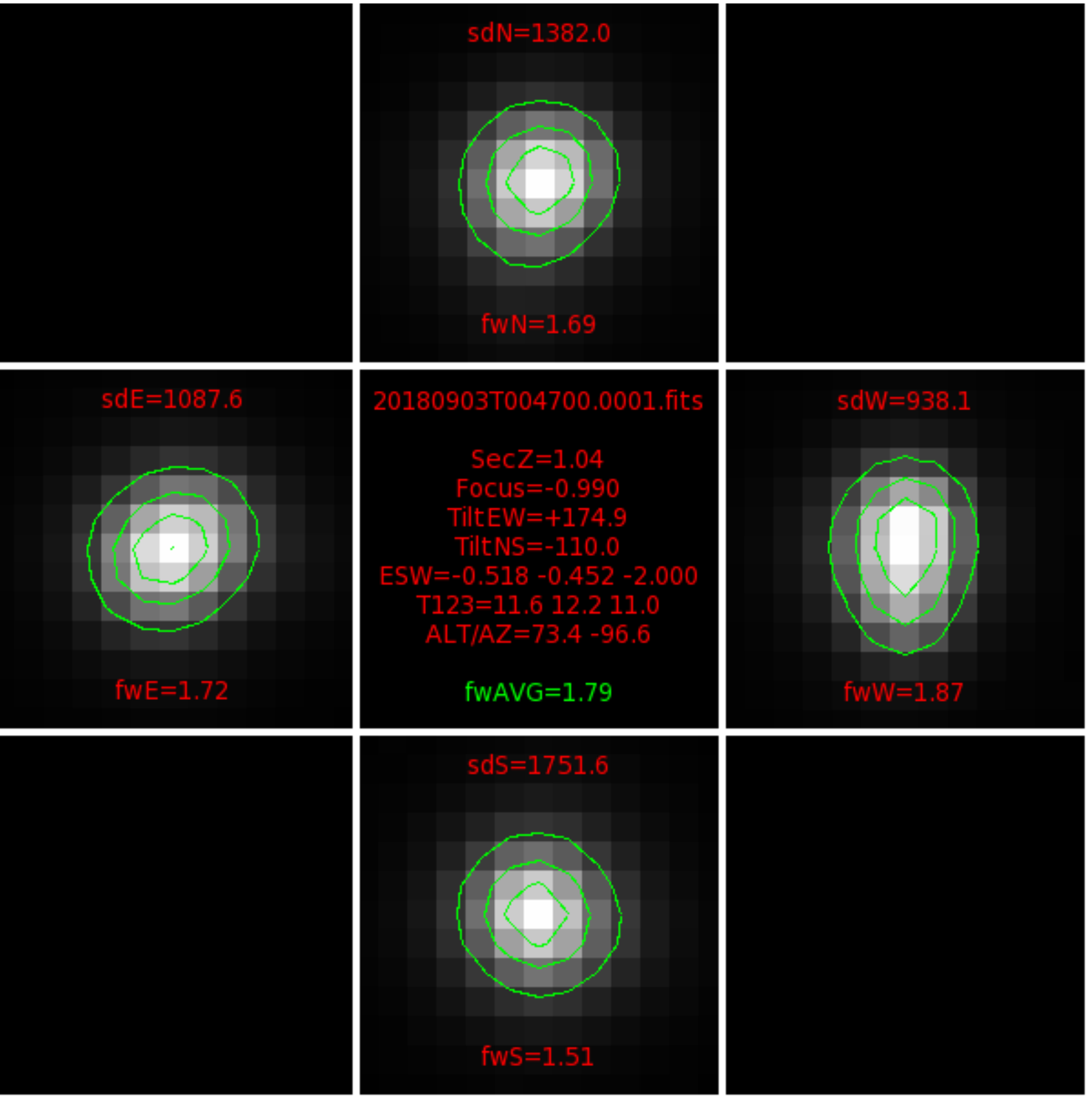
sdN=1382.0
fwN=1.69
sdE=1087.6
fwE=1.72
20180903T004700.0001.fits
SecZ=1.04
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.6 12.2 11.0
ALT/AZ=73.4 -96.6
fwAVG=1.79
sdW=938.1
fwW=1.87
sdS=1751.6
fwS=1.51
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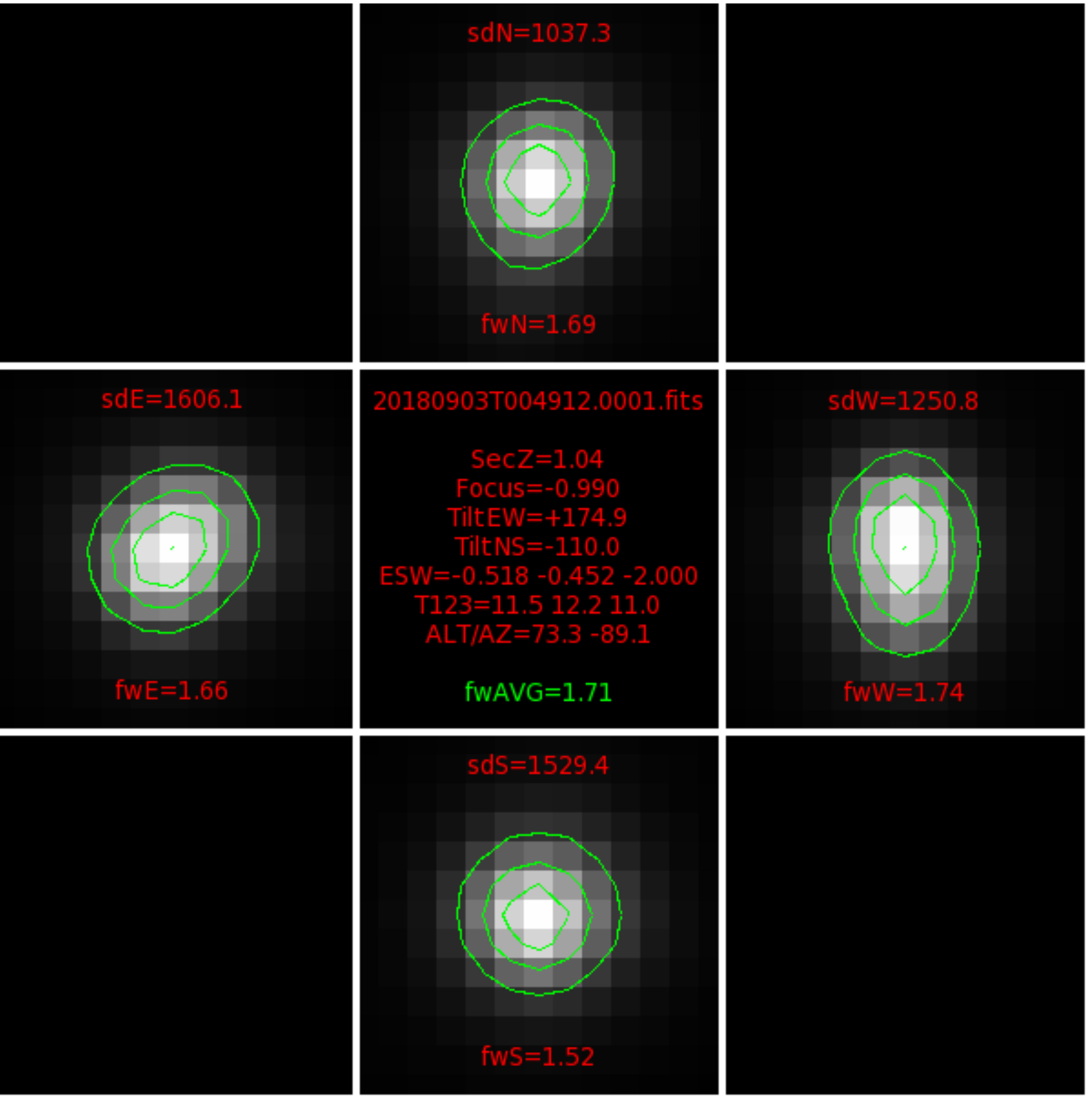
sdN=1037.3
fwN=1.69
sdE=1606.1
fwE=1.66
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SecZ=1.04
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.5 12.2 11.0
ALT/AZ=73.3 -89.1
fwAVG=1.71
sdW=1250.8
fwW=1.74
sdS=1529.4
fwS=1.52
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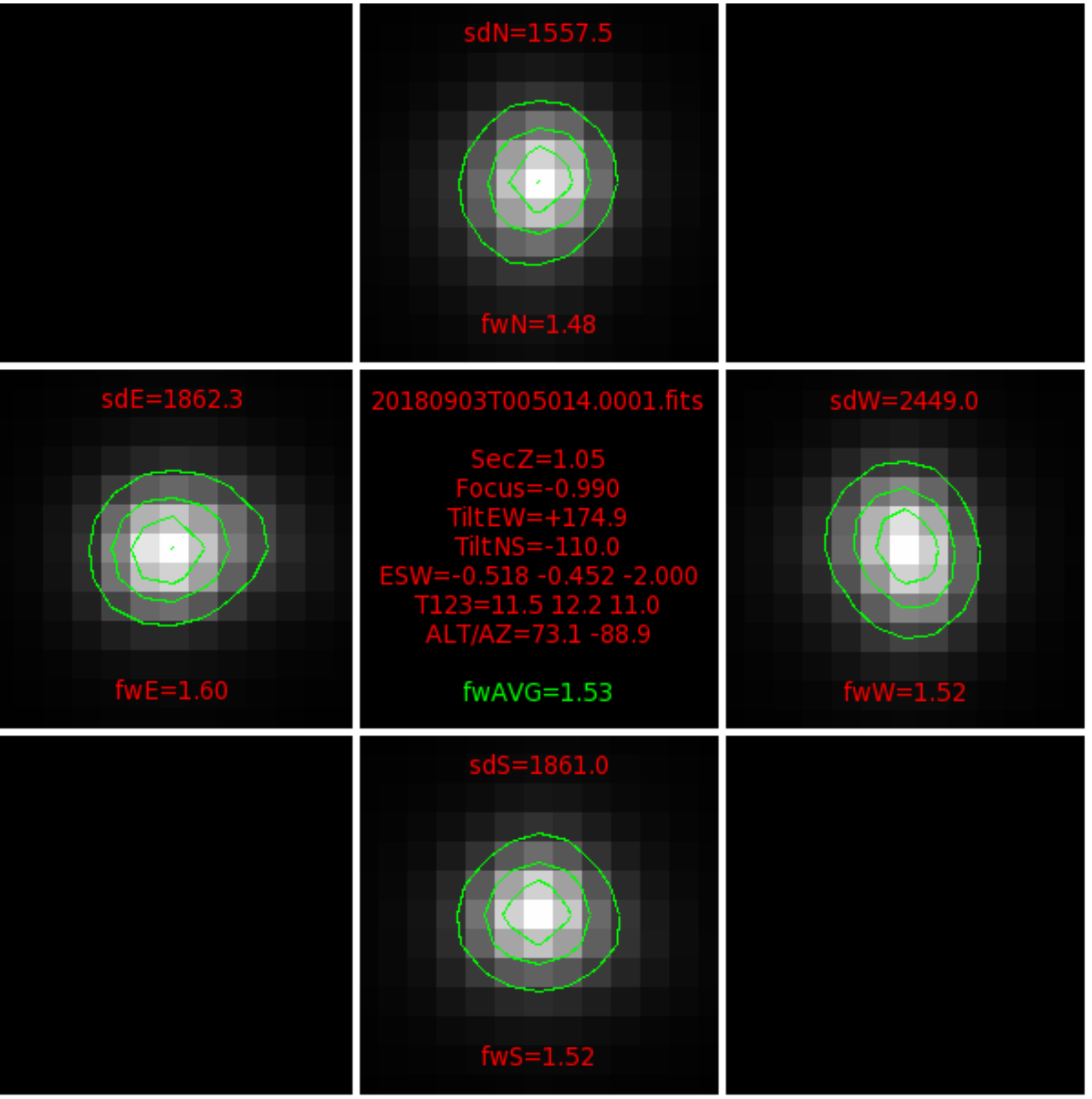
sdN=1557.5
fwN=1.48
sdE=1862.3
fwE=1.60
20180903T005014.0001.fits
SecZ=1.05
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.5 12.2 11.0
ALT/AZ=73.1 -88.9
fwAVG=1.53
sdW=2449.0
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sdS=1861.0
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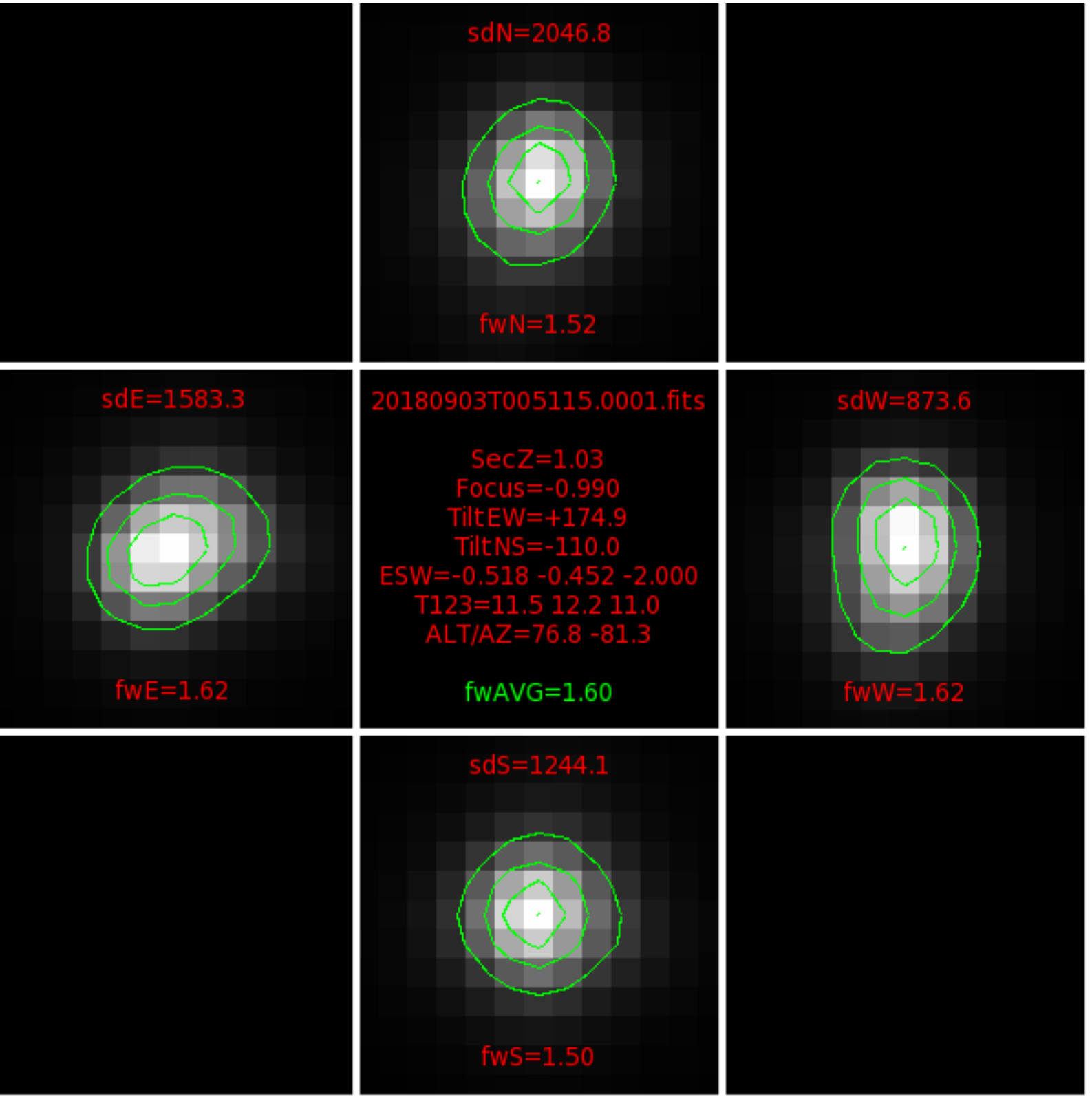
sdN=2046.8
fwN=1.52
sdE=1583.3
fwE=1.62
20180903T005115.0001.fits
SecZ=1.03
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.5 12.2 11.0
ALT/AZ=76.8 -81.3
fwAVG=1.60
sdW=873.6
fwW=1.62
sdS=1244.1
fwS=1.50
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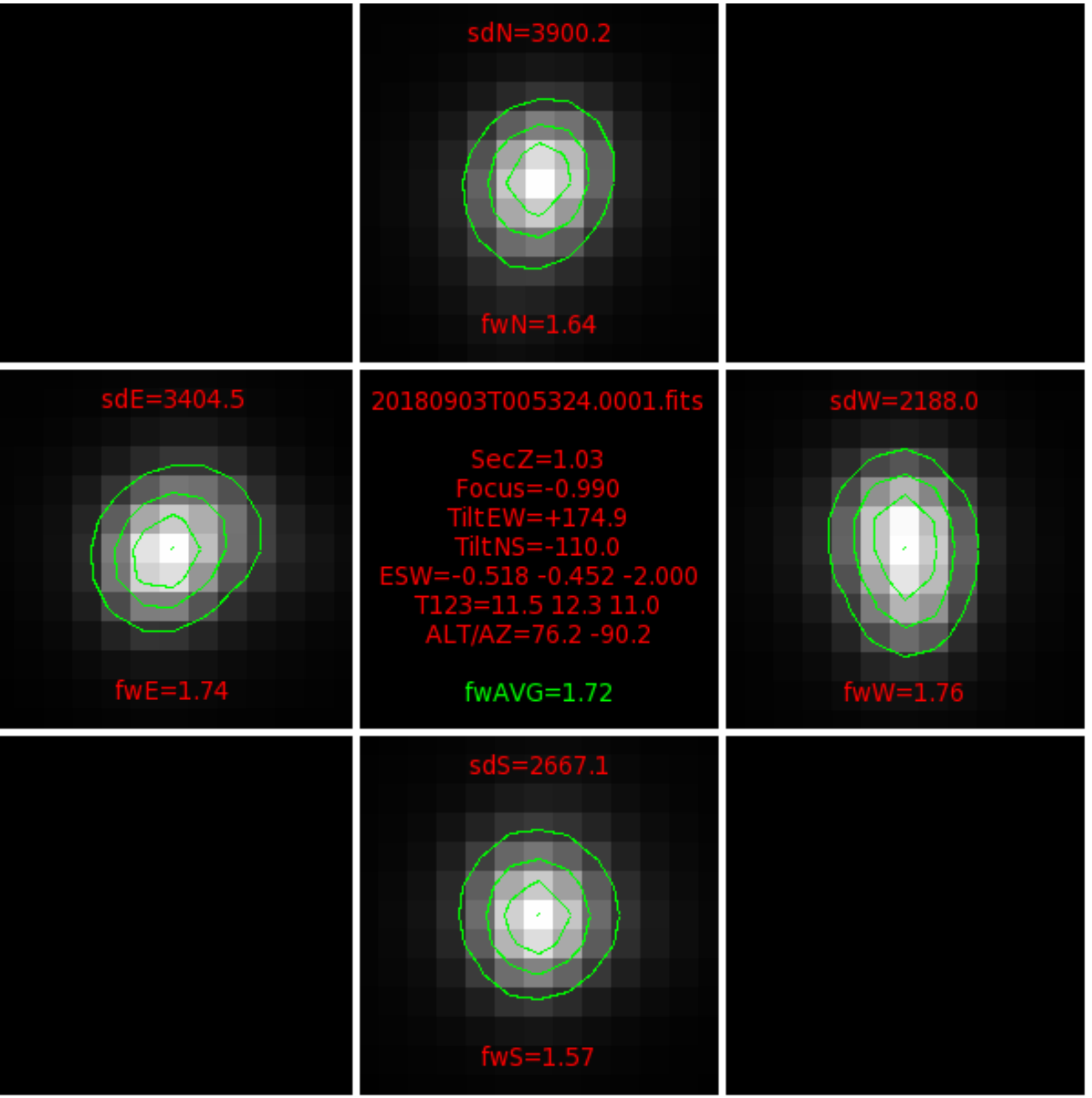
sdN=3900.2
fwN=1.64
sdE=3404.5
fwE=1.74
20180903T005324.0001.fits
SecZ=1.03
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.5 12.3 11.0
ALT/AZ=76.2 -90.2
fwAVG=1.72
sdW=2188.0
fwW=1.76
sdS=2667.1
fwS=1.57
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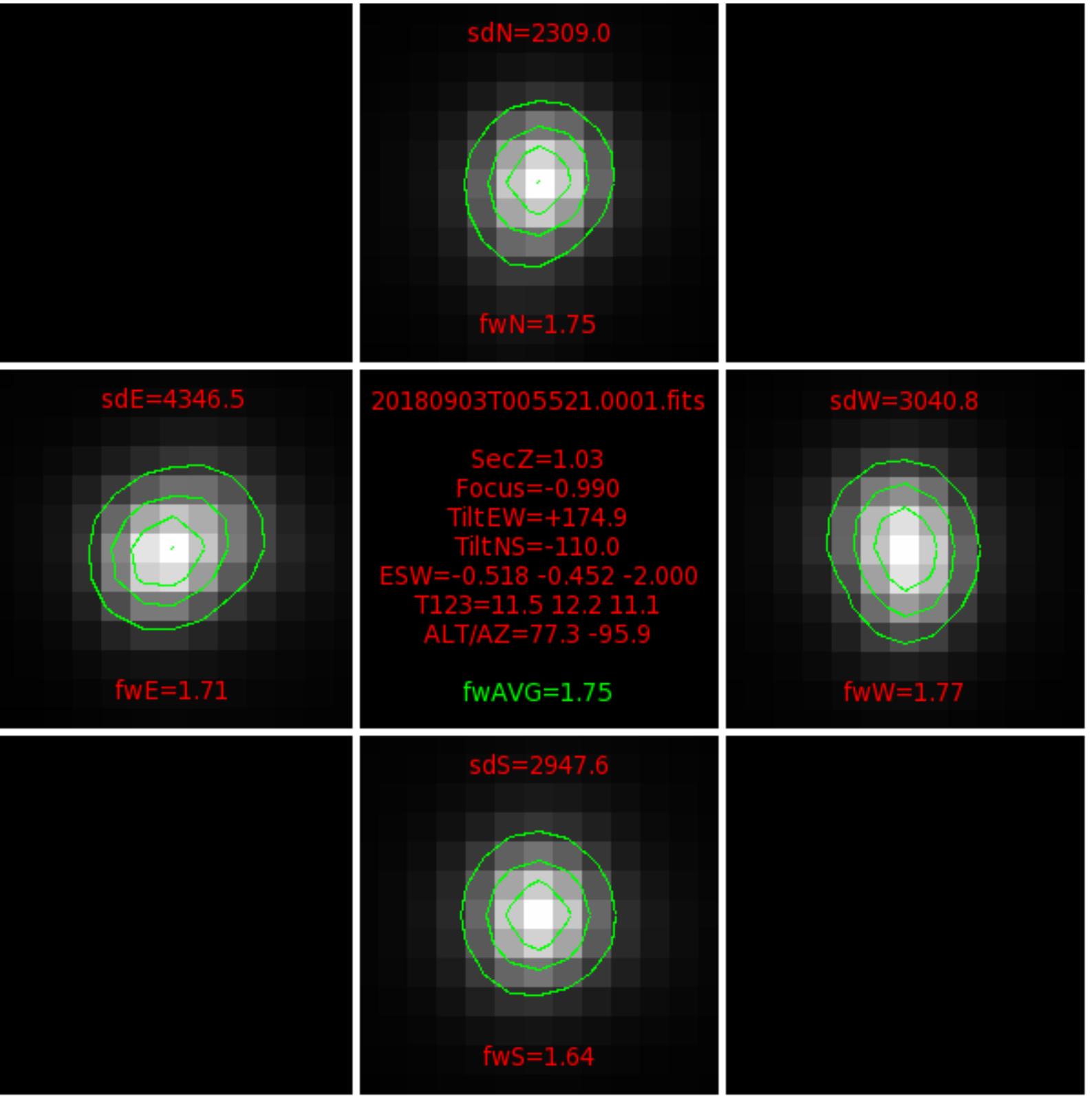
sdN=2309.0
fwN=1.75
sdE=4346.5
fwE=1.71
20180903T005521.0001.fits
SecZ=1.03
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.5 12.2 11.1
ALT/AZ=77.3 -95.9
fwAVG=1.75
sdW=3040.8
fwW=1.77
sdS=2947.6
fwS=1.64
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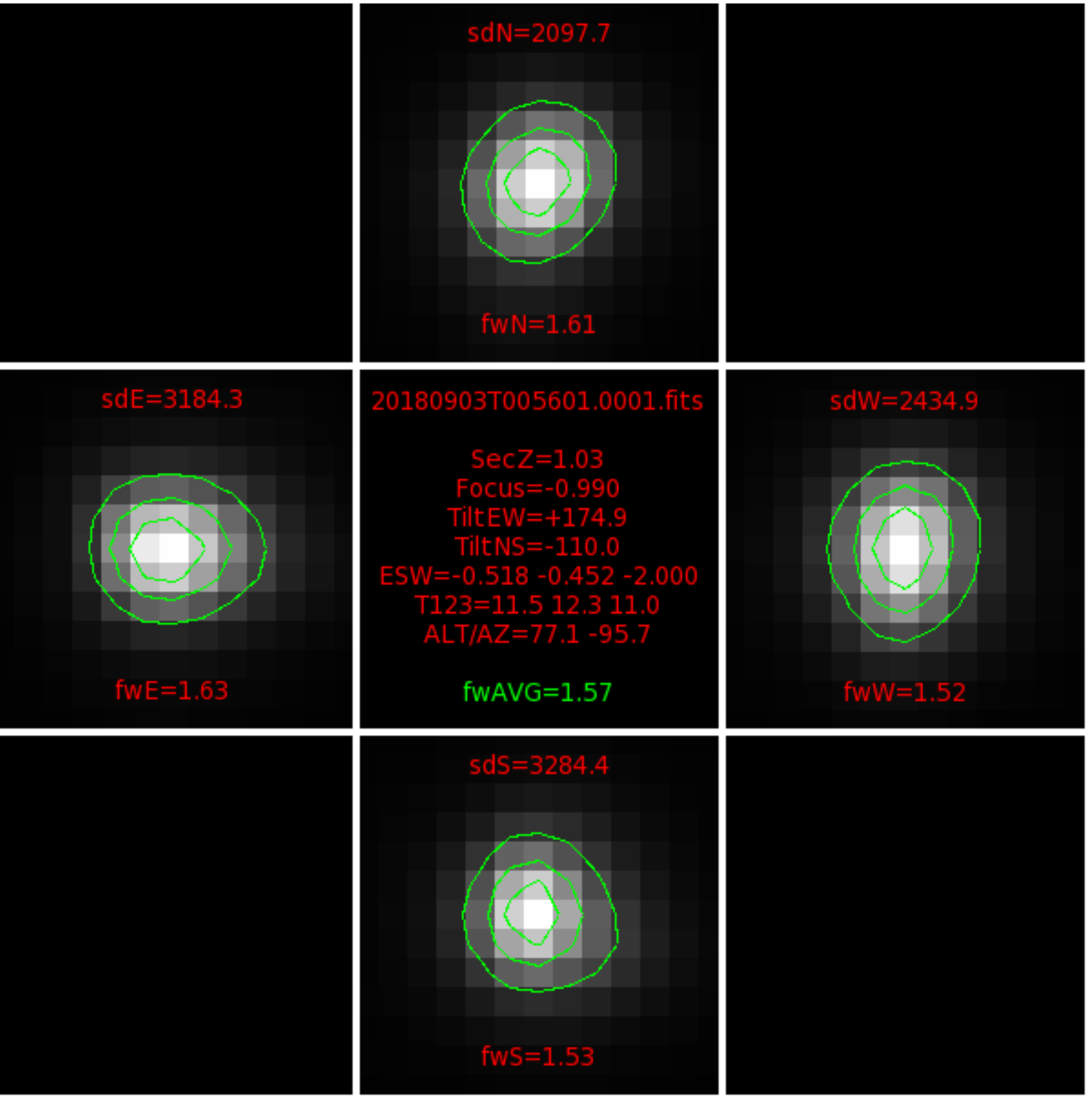
sdN=2097.7
fwN=1.61
sdE=3184.3
fwE=1.63
20180903T005601.0001.fits
SecZ=1.03
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.5 12.3 11.0
ALT/AZ=77.1 -95.7
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sdW=2434.9
fwW=1.52
sdS=3284.4
fwS=1.53
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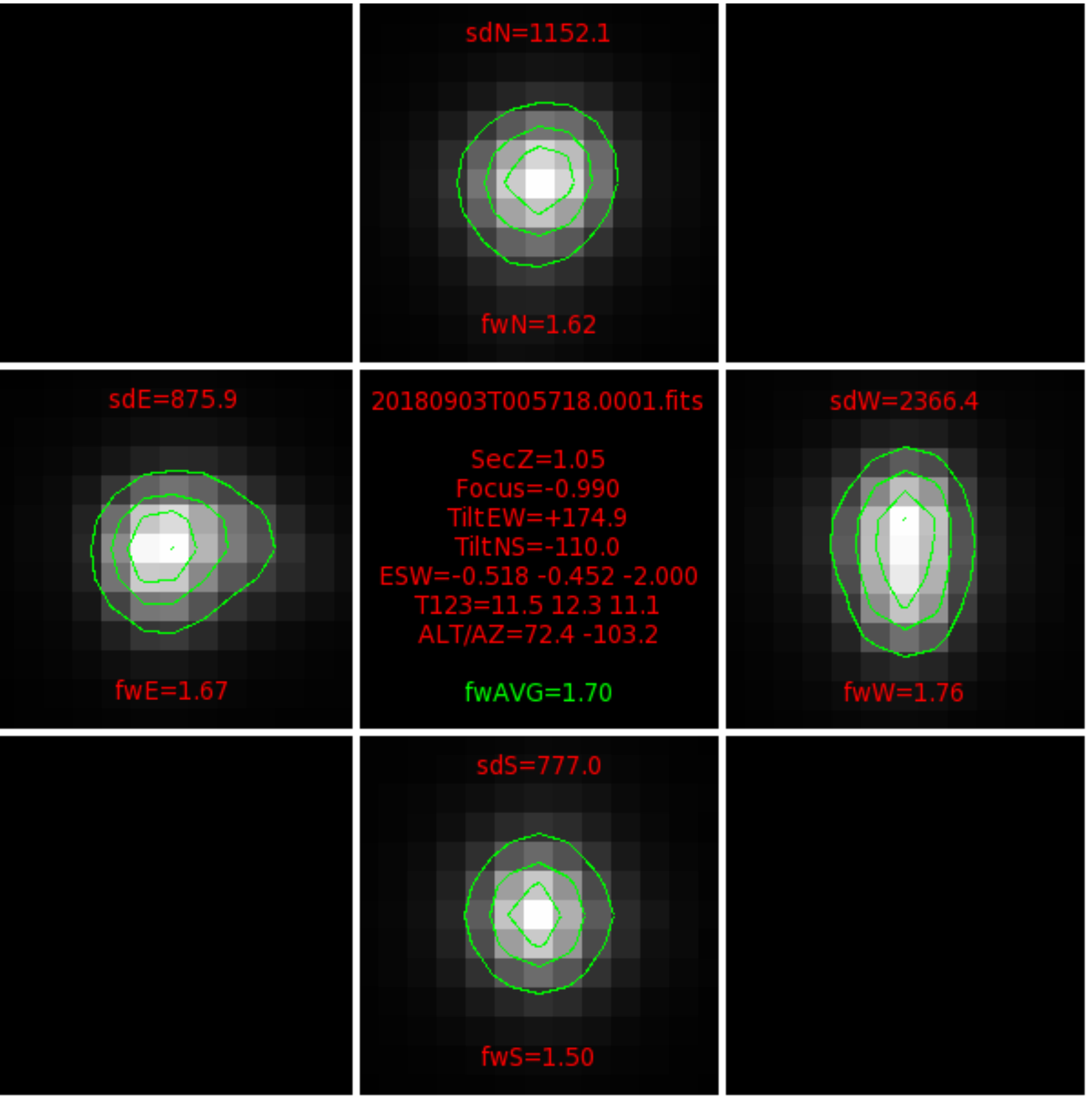
sdN=1152.1
fwN=1.62
sdE=875.9
fwE=1.67
20180903T005718.0001.fits
SecZ=1.05
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.5 12.3 11.1
ALT/AZ=72.4 -103.2
fwAVG=1.70
sdW=2366.4
fwW=1.76
sdS=777.0
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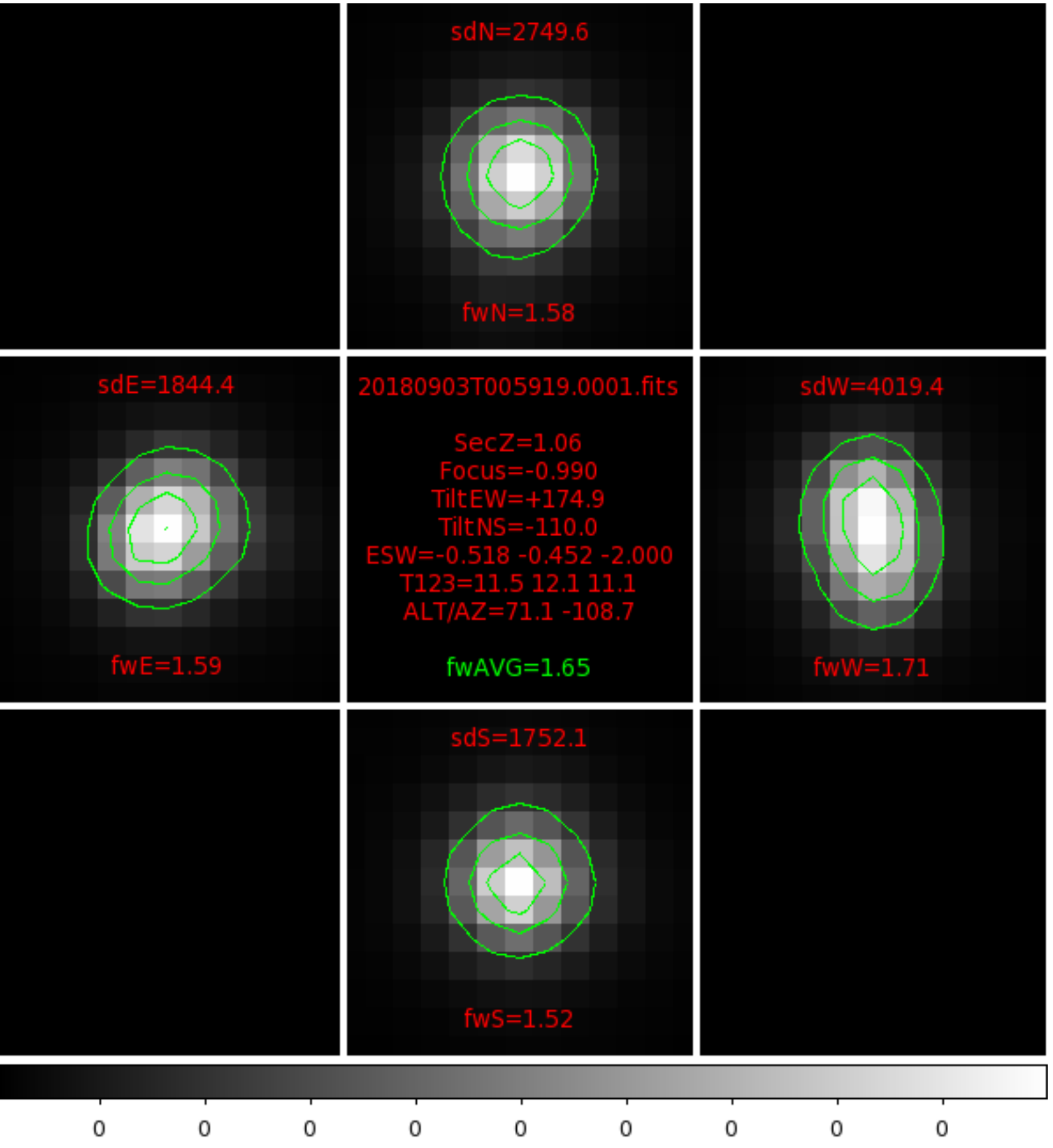
sdN=2749.6
fwN=1.58
sdE=1844.4
fwE=1.59
20180903T005919.0001.fits
SecZ=1.06
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.5 12.1 11.1
ALT/AZ=71.1 -108.7
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sdW=4019.4
fwW=1.71
sdS=1752.1
fwS=1.52
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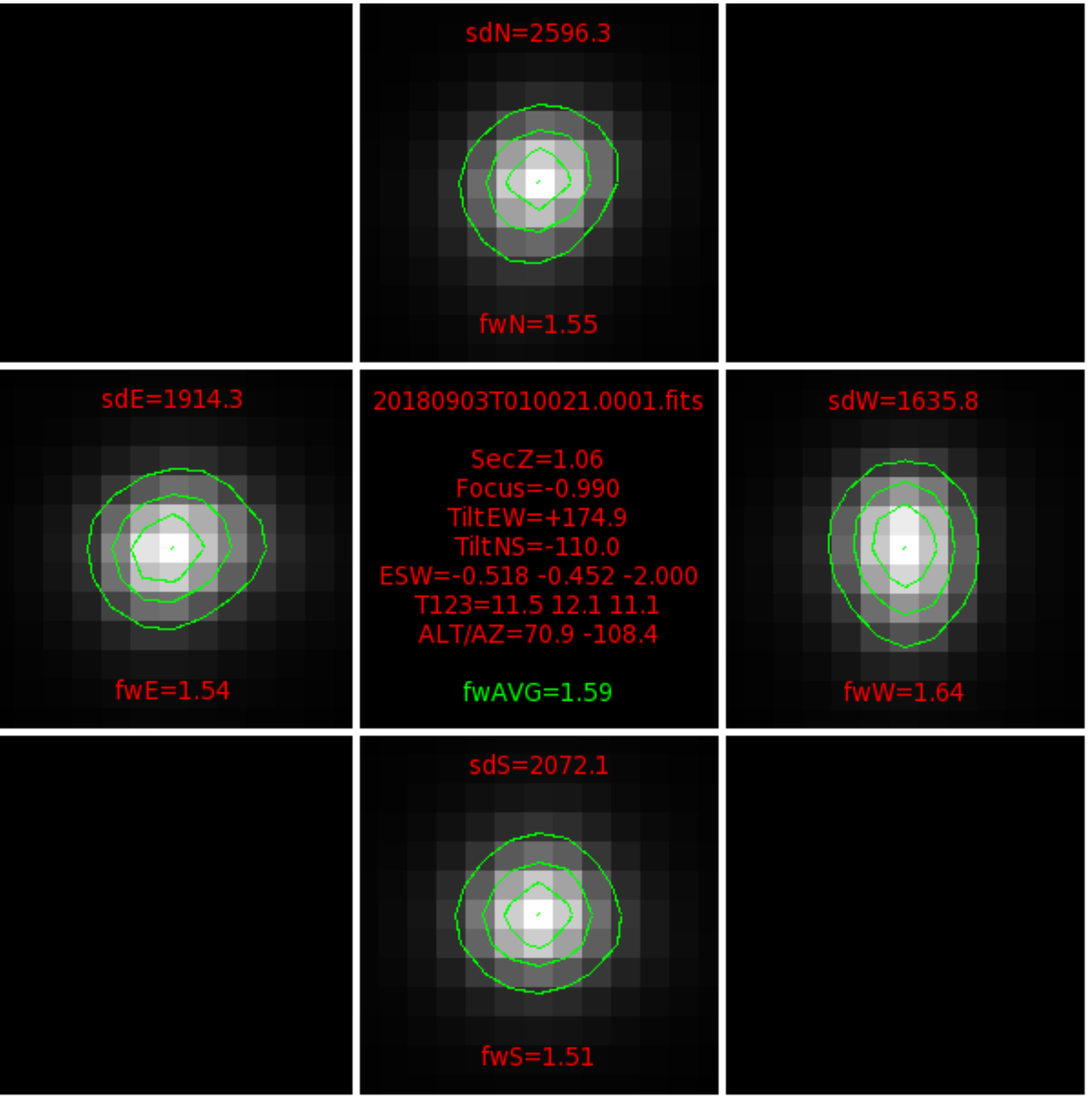
sdN=2596.3
fwN=1.55
sdE=1914.3
fwE=1.54
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SecZ=1.06
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.5 12.1 11.1
ALT/AZ=70.9 -108.4
fwAVG=1.59
sdW=1635.8
fwW=1.64
sdS=2072.1
fwS=1.51
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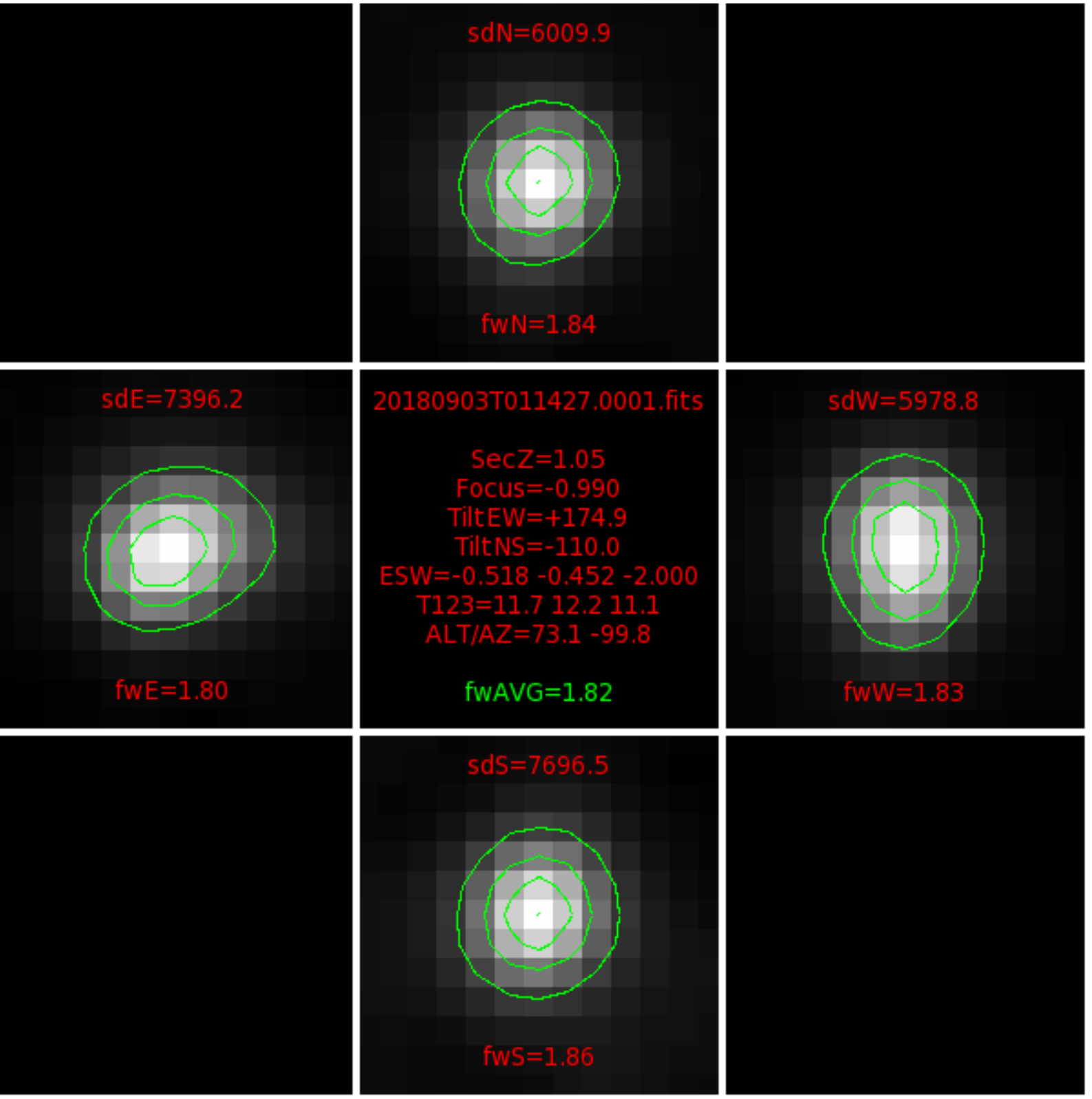
sdN=6009.9
fwN=1.84
sdE=7396.2
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20180903T011427.0001.fits
SecZ=1.05
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.7 12.2 11.1
ALT/AZ=73.1 -99.8
fwAVG=1.82
sdW=5978.8
fwW=1.83
sdS=7696.5
fwS=1.86
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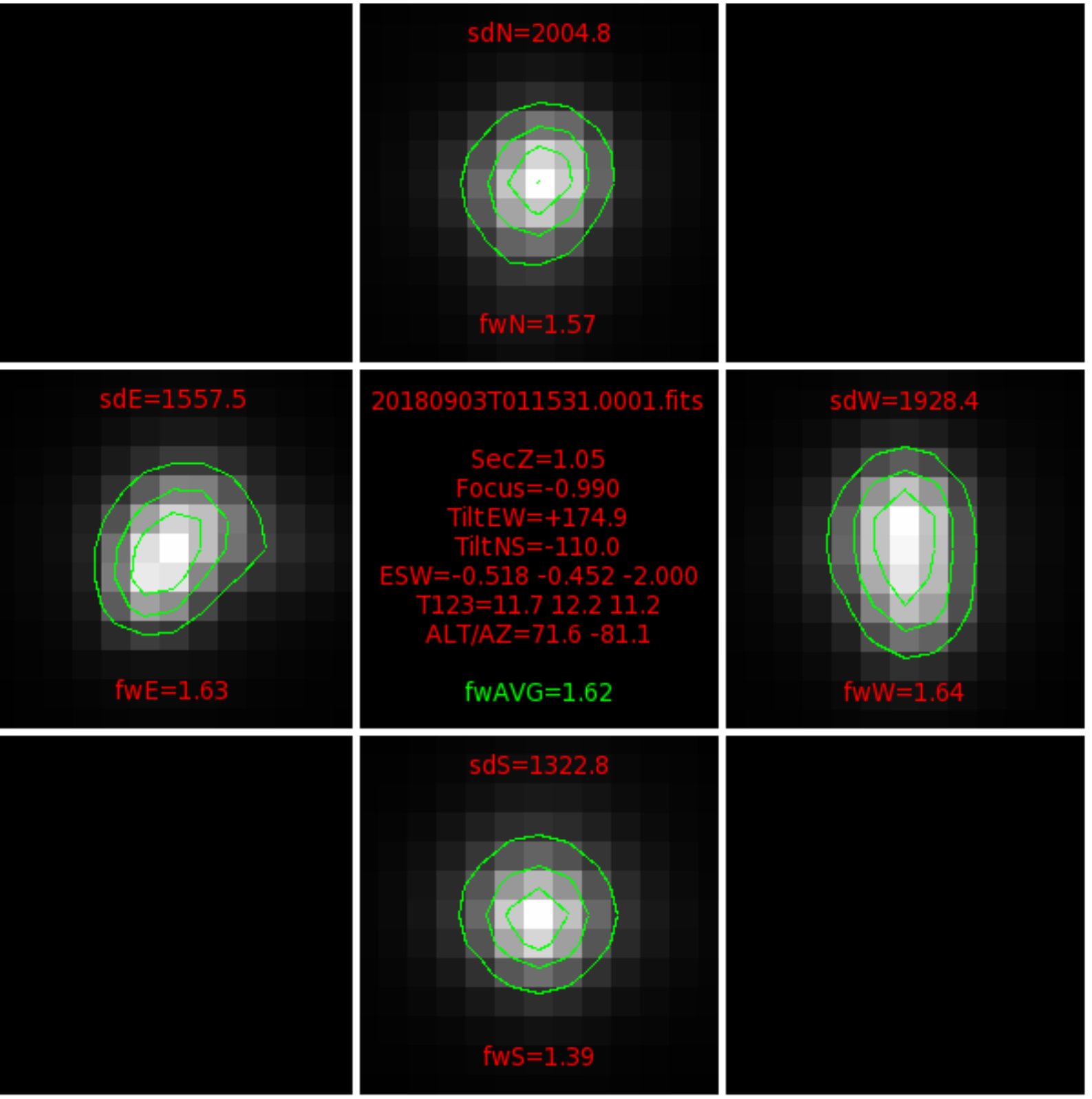
sdN=2004.8
fwN=1.57
sdE=1557.5
fwE=1.63
20180903T011531.0001.fits
SecZ=1.05
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.7 12.2 11.2
ALT/AZ=71.6 -81.1
fwAVG=1.62
sdW=1928.4
fwW=1.64
sdS=1322.8
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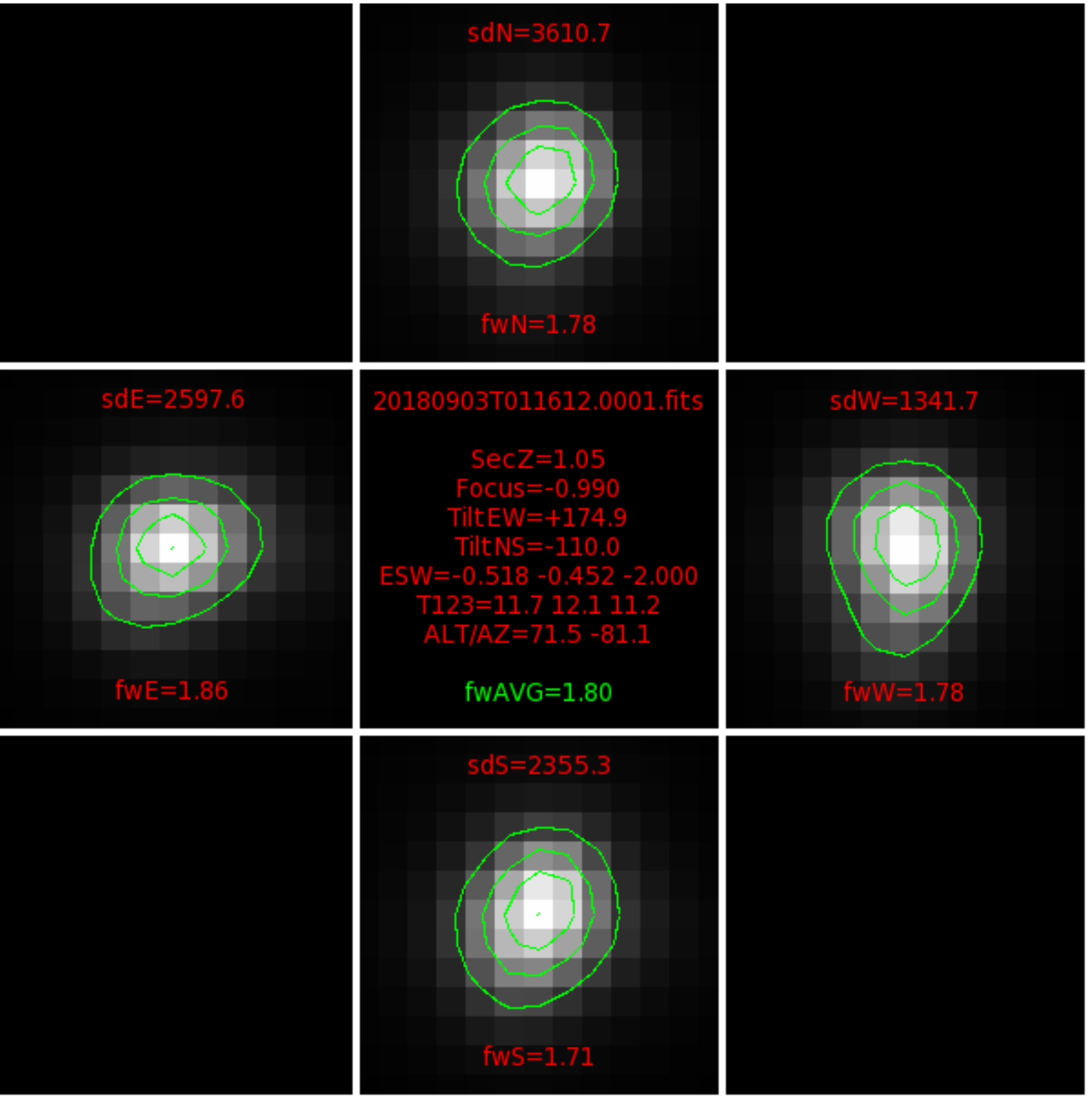
sdN=3610.7
fwN=1.78
sdE=2597.6
fwE=1.86
20180903T011612.0001.fits
SecZ=1.05
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.7 12.1 11.2
ALT/AZ=71.5 -81.1
fwAVG=1.80
sdW=1341.7
fwW=1.78
sdS=2355.3
fwS=1.71
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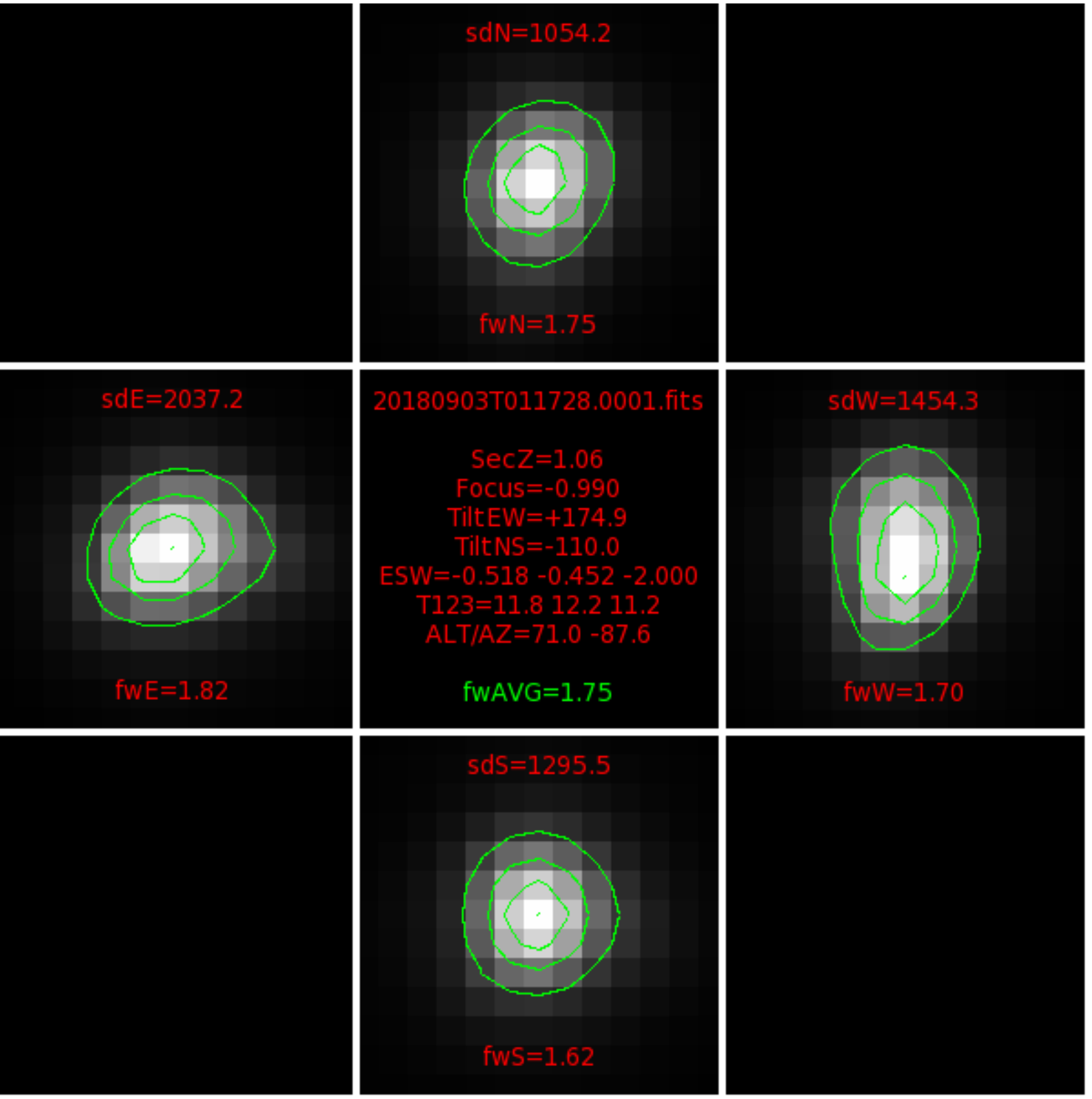
sdN=1054.2
fwN=1.75
sdE=2037.2
fwE=1.82
20180903T011728.0001.fits
SecZ=1.06
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.8 12.2 11.2
ALT/AZ=71.0 -87.6
fwAVG=1.75
sdW=1454.3
fwW=1.70
sdS=1295.5
fwS=1.62
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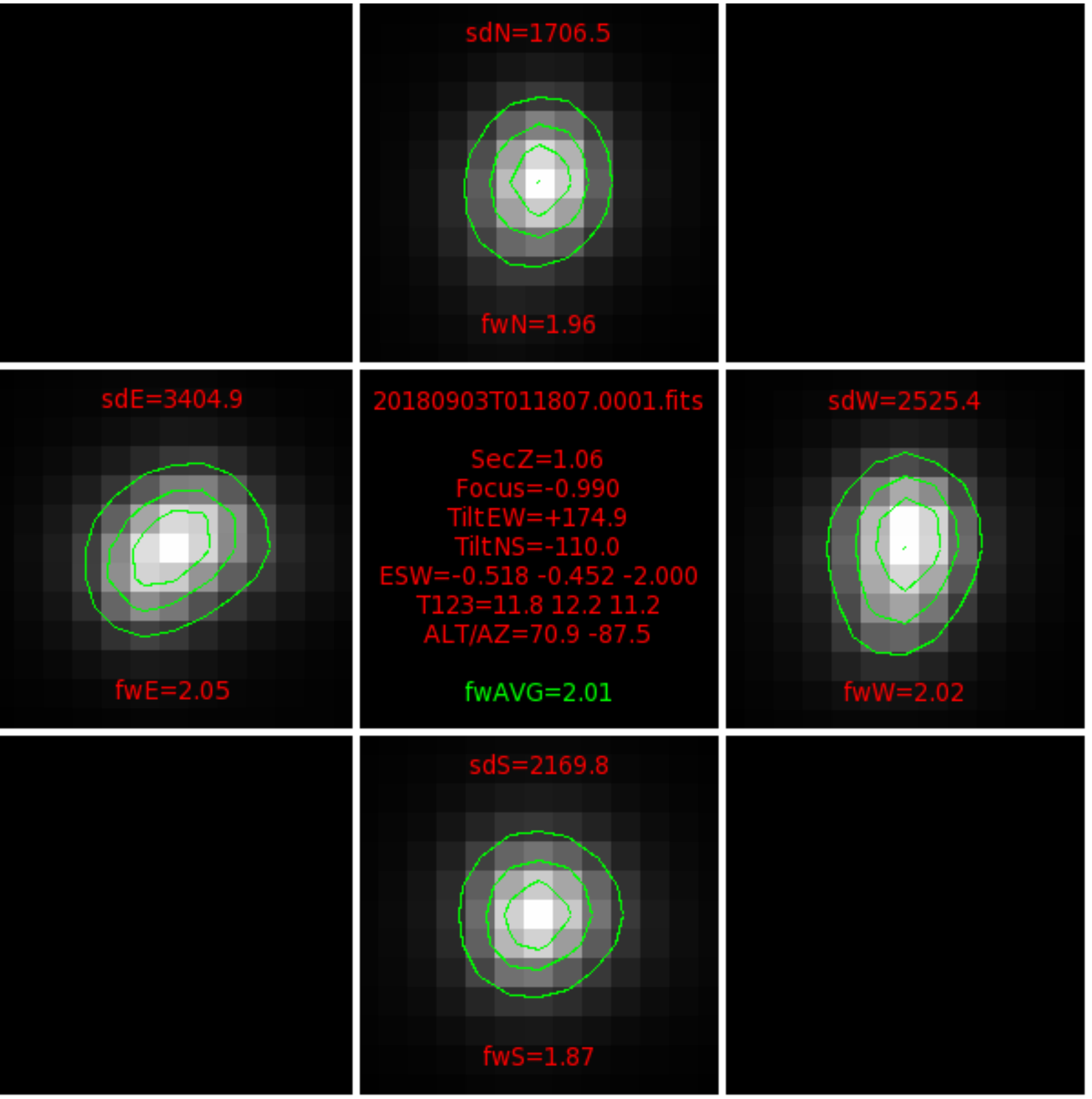
sdN=1706.5
fwN=1.96
sdE=3404.9
fwE=2.05
20180903T011807.0001.fits
SecZ=1.06
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.8 12.2 11.2
ALT/AZ=70.9 -87.5
fwAVG=2.01
sdW=2525.4
fwW=2.02
sdS=2169.8
fwS=1.87
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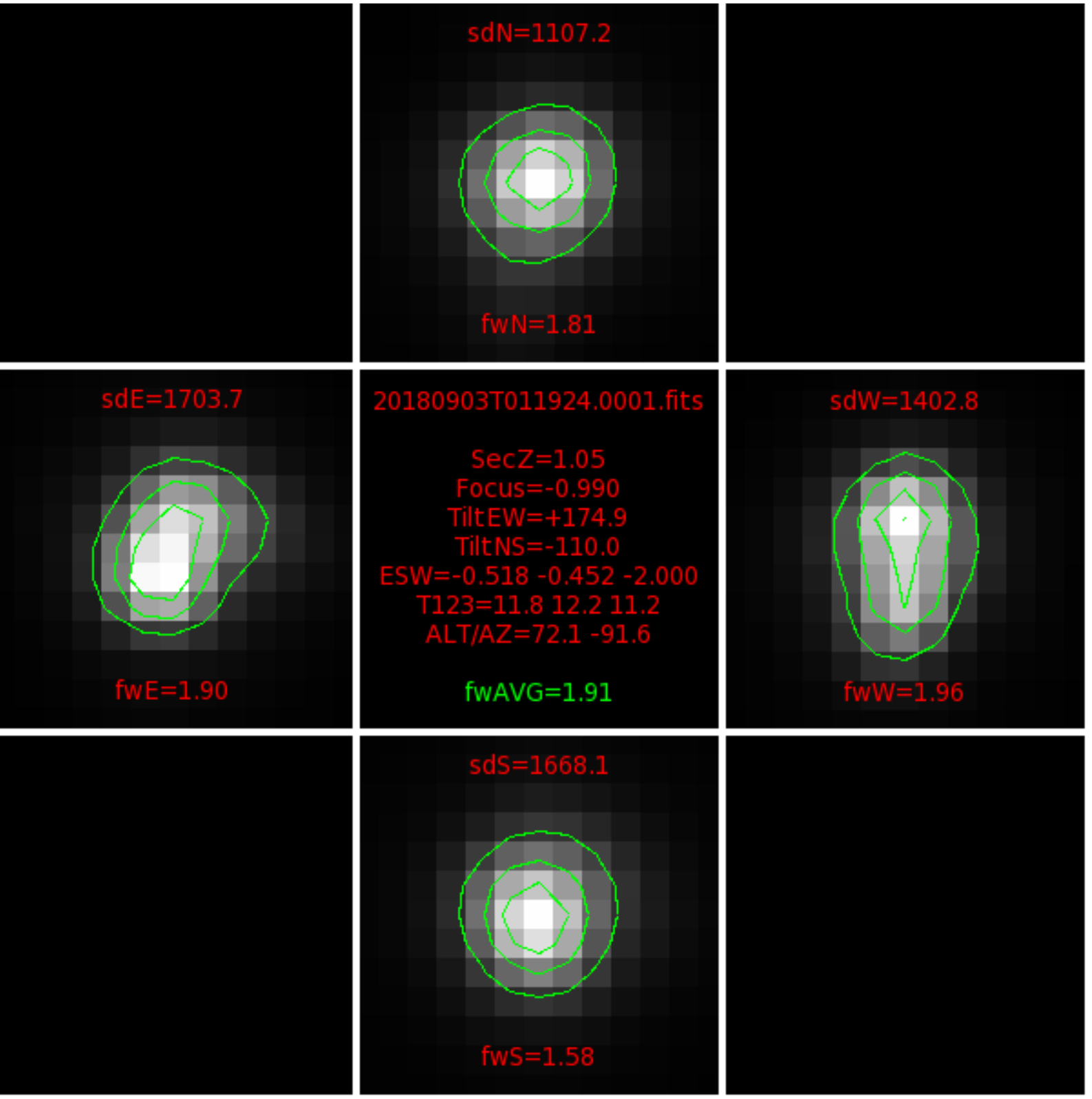
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fwN=1.81
sdE=1703.7
fwE=1.90
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SecZ=1.05
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.8 12.2 11.2
ALT/AZ=72.1 -91.6
fwAVG=1.91
sdW=1402.8
fwW=1.96
sdS=1668.1
fwS=1.58
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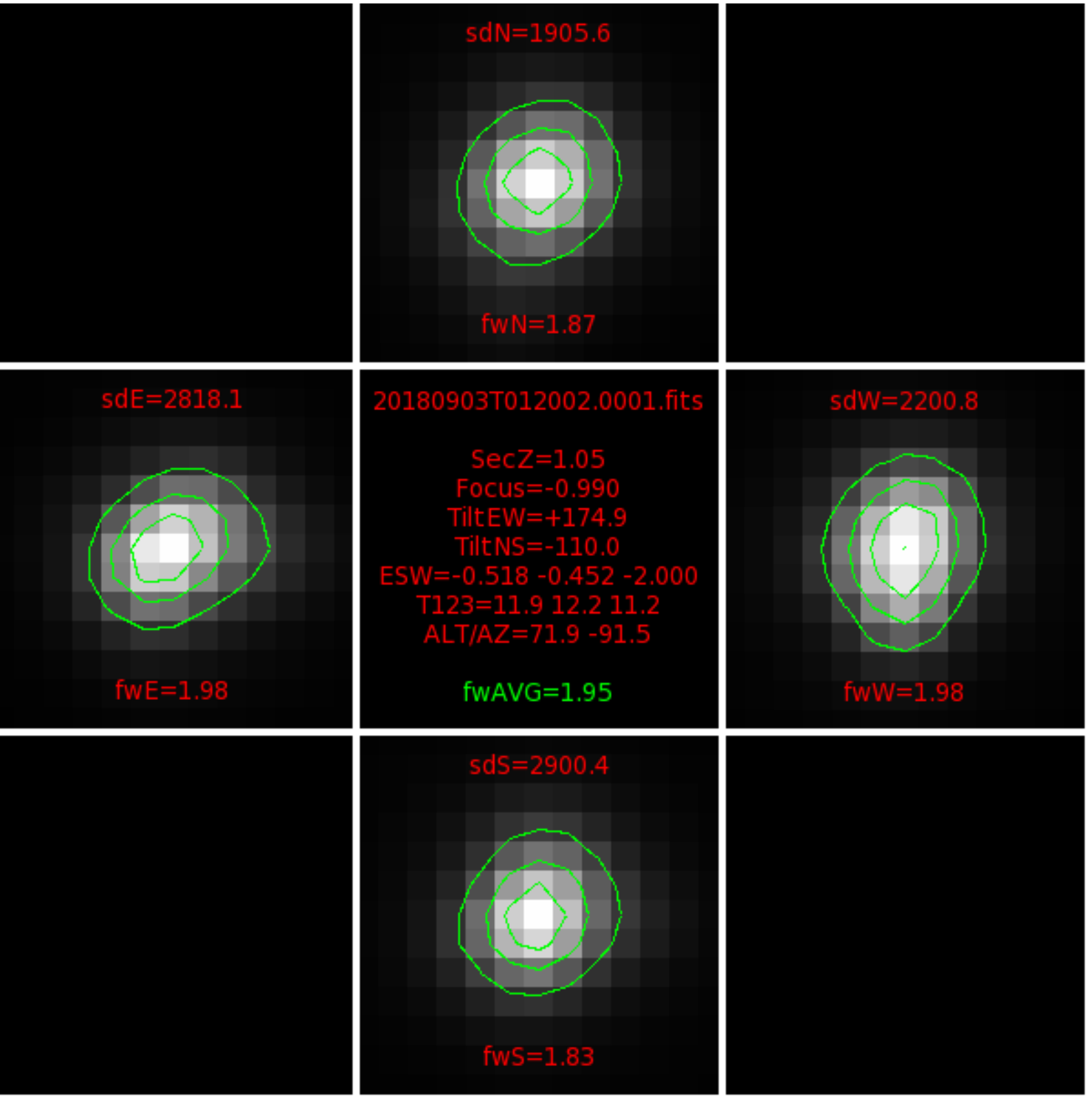
sdN=1905.6
fwN=1.87
sdE=2818.1
fwE=1.98
20180903T012002.0001.fits
SecZ=1.05
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.9 12.2 11.2
ALT/AZ=71.9 -91.5
fwAVG=1.95
sdW=2200.8
fwW=1.98
sdS=2900.4
fwS=1.83
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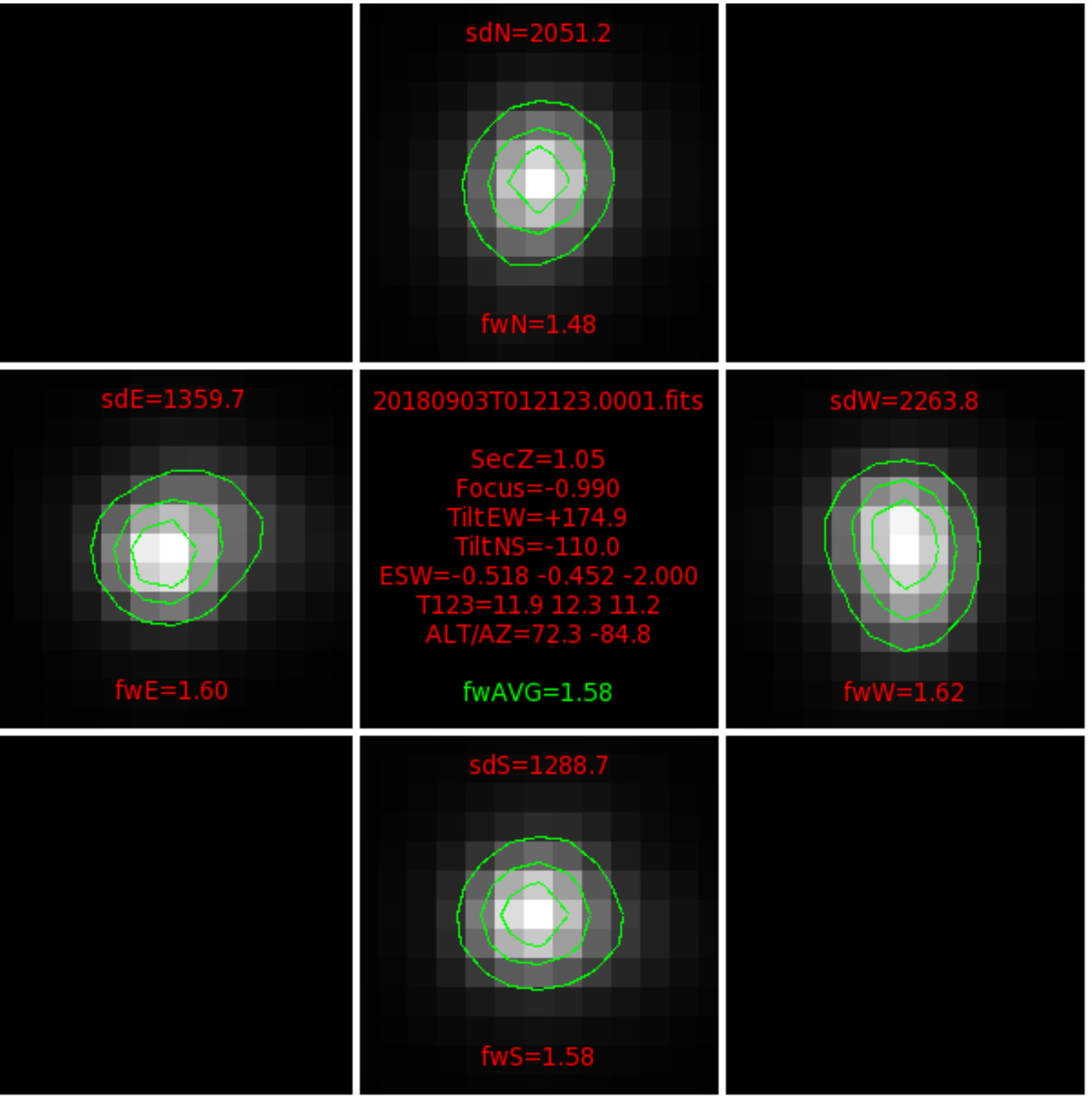
sdN=2051.2
fwN=1.48
sdE=1359.7
fwE=1.60
20180903T012123.0001.fits
SecZ=1.05
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.9 12.3 11.2
ALT/AZ=72.3 -84.8
fwAVG=1.58
sdW=2263.8
fwW=1.62
sdS=1288.7
fwS=1.58
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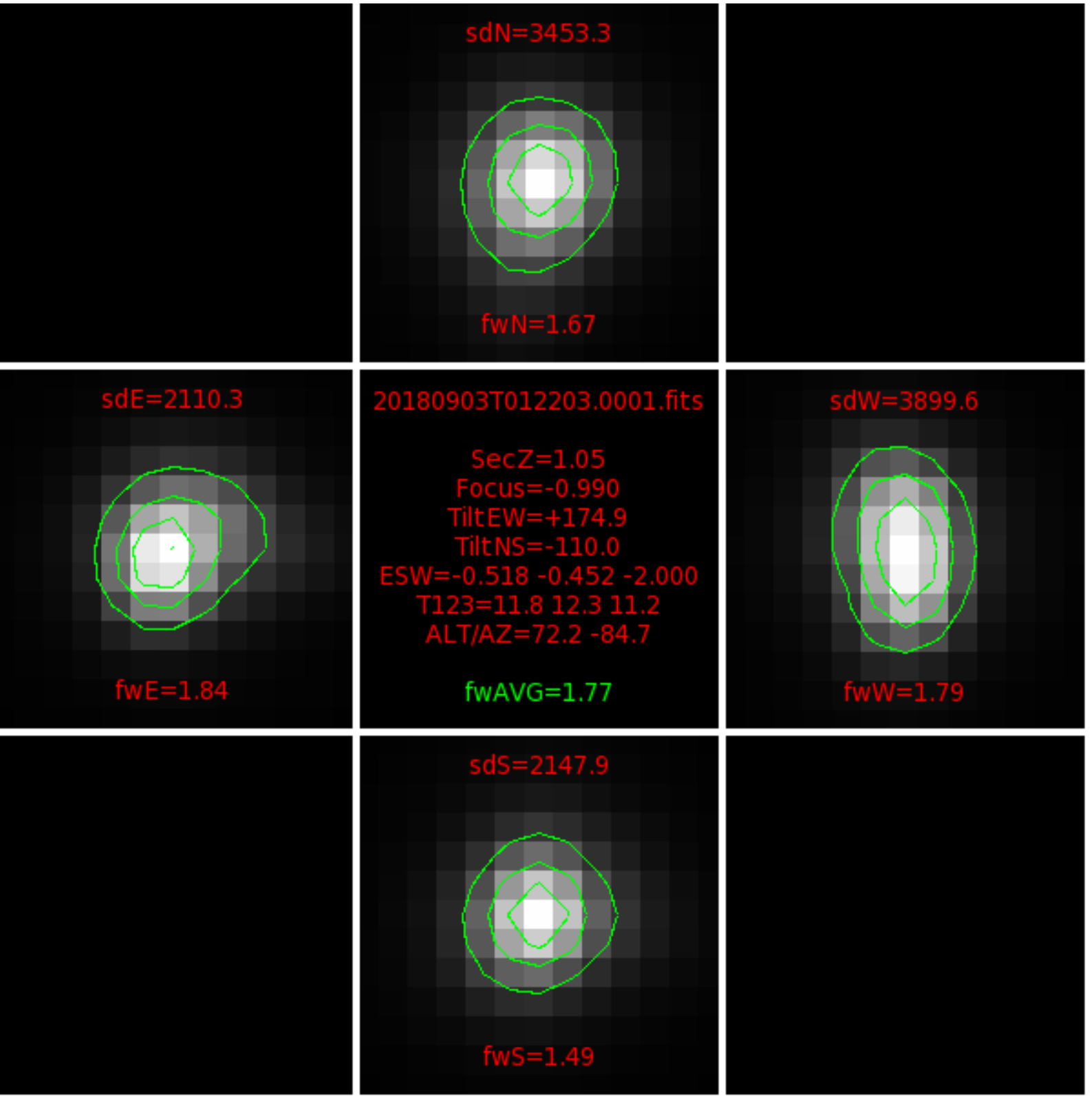
sdN=3453.3
fwN=1.67
sdE=2110.3
fwE=1.84
20180903T012203.0001.fits
SecZ=1.05
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.8 12.3 11.2
ALT/AZ=72.2 -84.7
fwAVG=1.77
sdW=3899.6
fwW=1.79
sdS=2147.9
fwS=1.49
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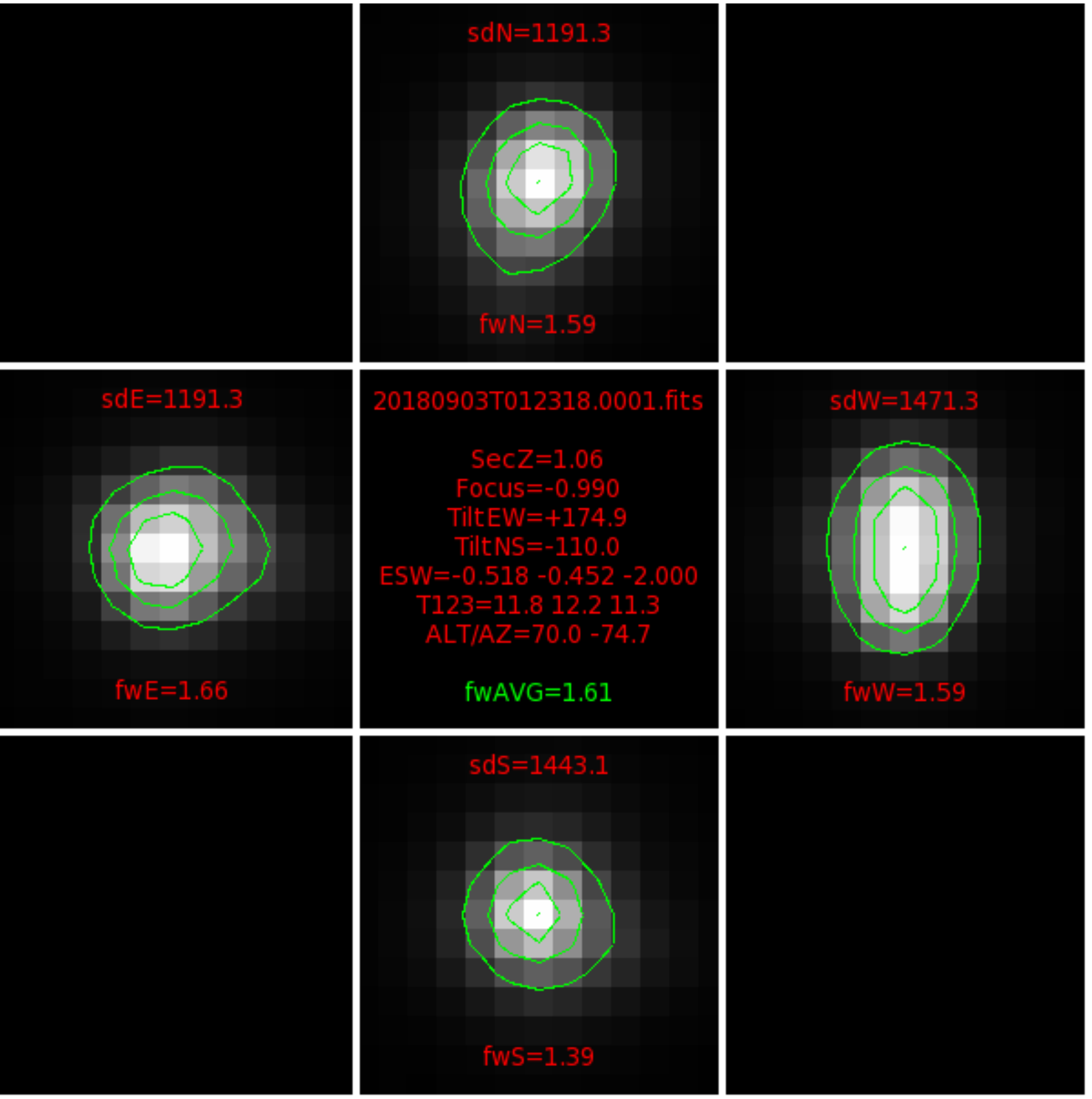
sdN=1191.3
fwN=1.59
sdE=1191.3
fwE=1.66
20180903T012318.0001.fits
SecZ=1.06
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.8 12.2 11.3
ALT/AZ=70.0 -74.7
fwAVG=1.61
sdW=1471.3
fwW=1.59
sdS=1443.1
fwS=1.39
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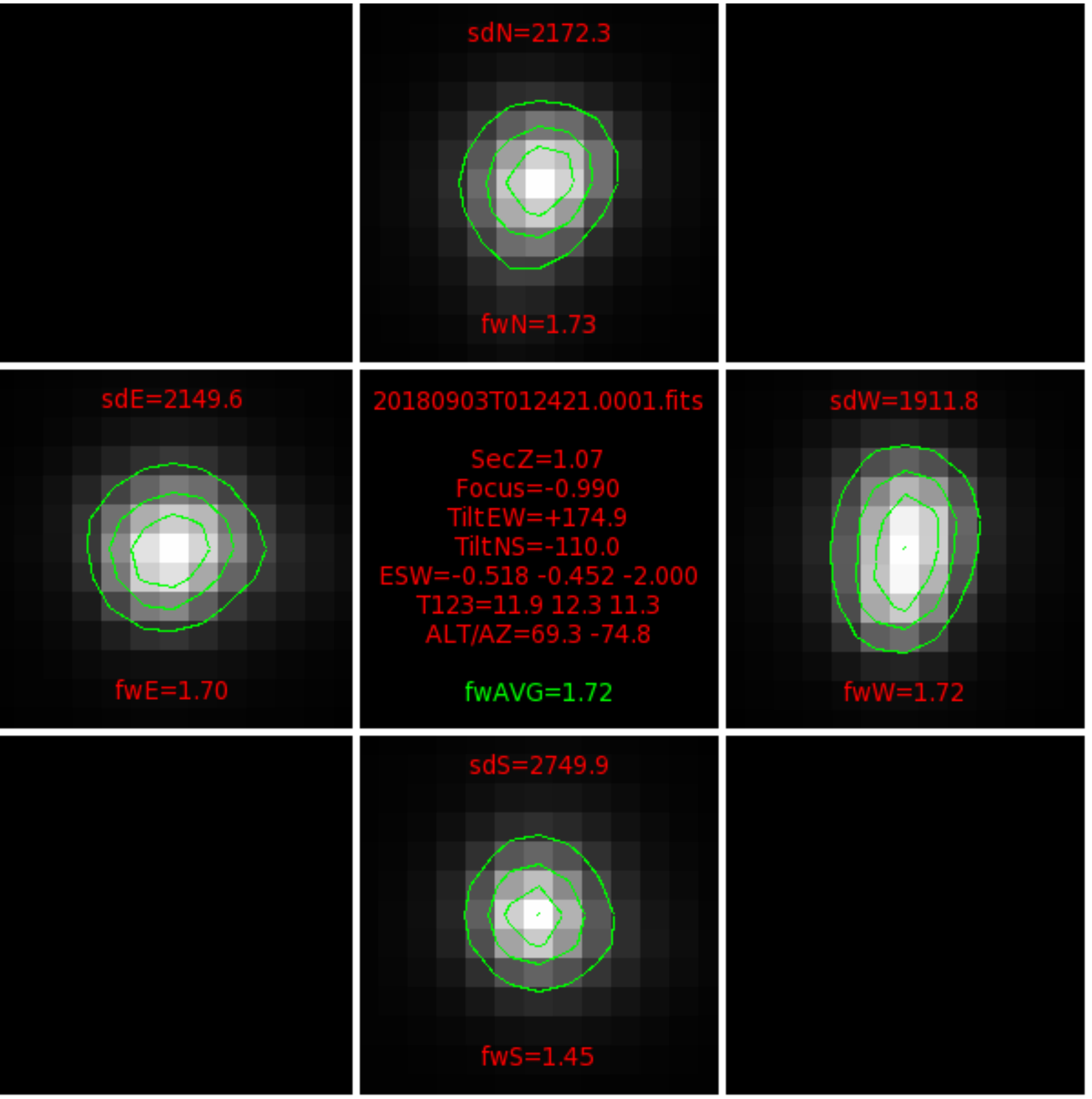
sdN=2172.3
fwN=1.73
sdE=2149.6
fwE=1.70
20180903T012421.0001.fits
SecZ=1.07
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.9 12.3 11.3
ALT/AZ=69.3 -74.8
fwAVG=1.72
sdW=1911.8
fwW=1.72
sdS=2749.9
fwS=1.45
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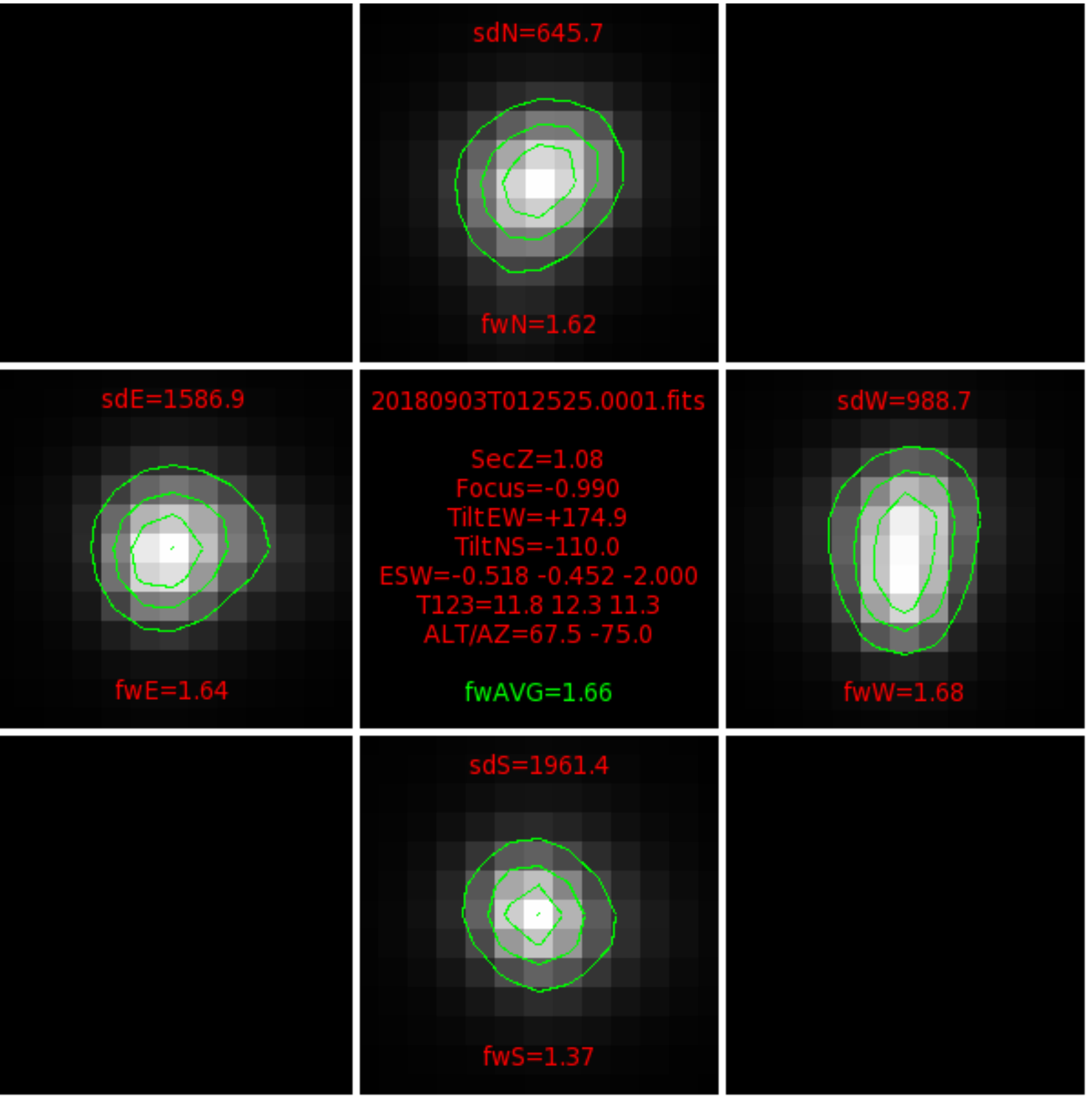
sdN=645.7
fwN=1.62
sdE=1586.9
fwE=1.64
20180903T012525.0001.fits
SecZ=1.08
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.8 12.3 11.3
ALT/AZ=67.5 -75.0
fwAVG=1.66
sdW=988.7
fwW=1.68
sdS=1961.4
fwS=1.37
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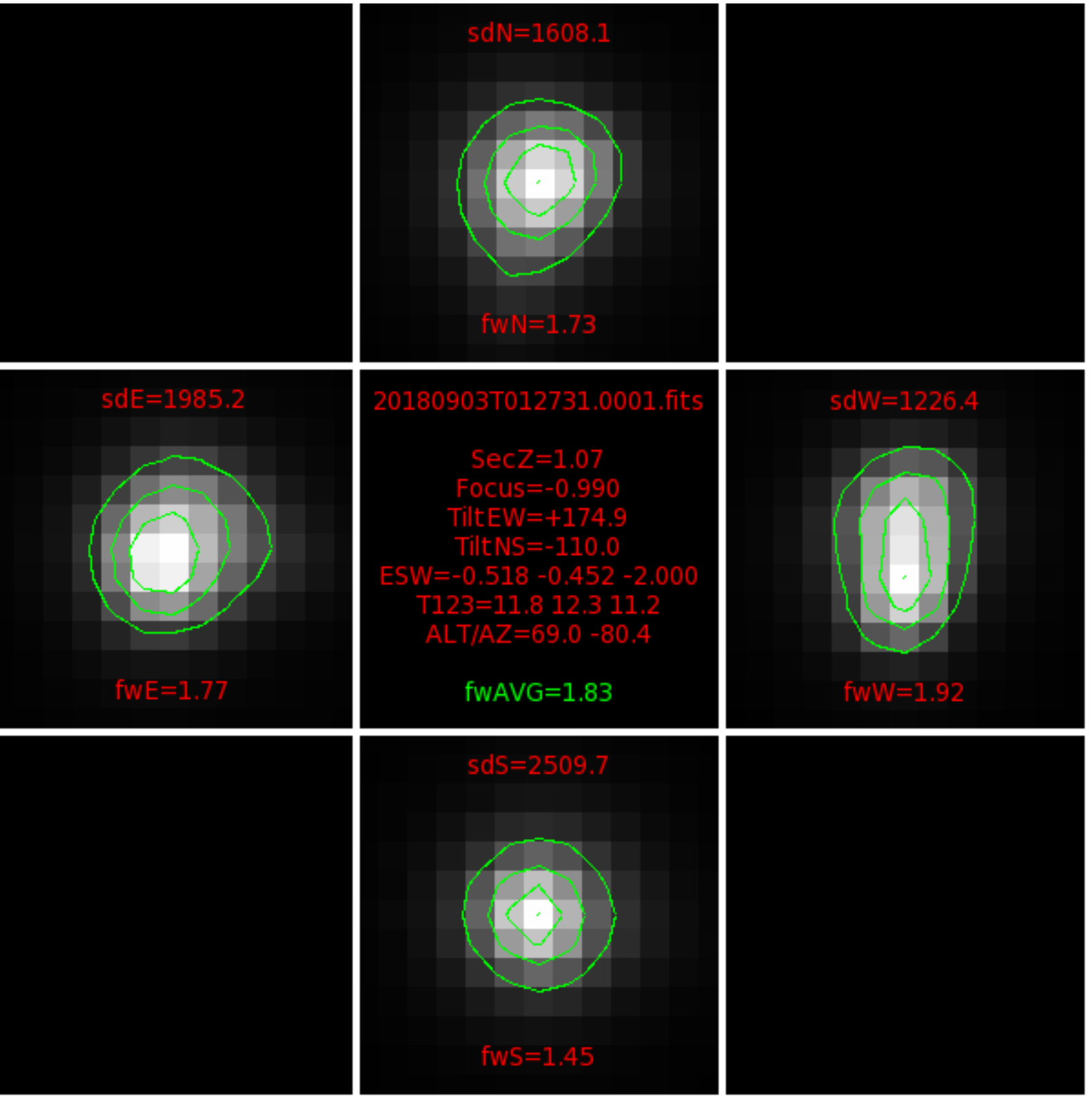
sdN=1608.1
fwN=1.73
sdE=1985.2
fwE=1.77
20180903T012731.0001.fits
SecZ=1.07
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.8 12.3 11.2
ALT/AZ=69.0 -80.4
fwAVG=1.83
sdW=1226.4
fwW=1.92
sdS=2509.7
fwS=1.45
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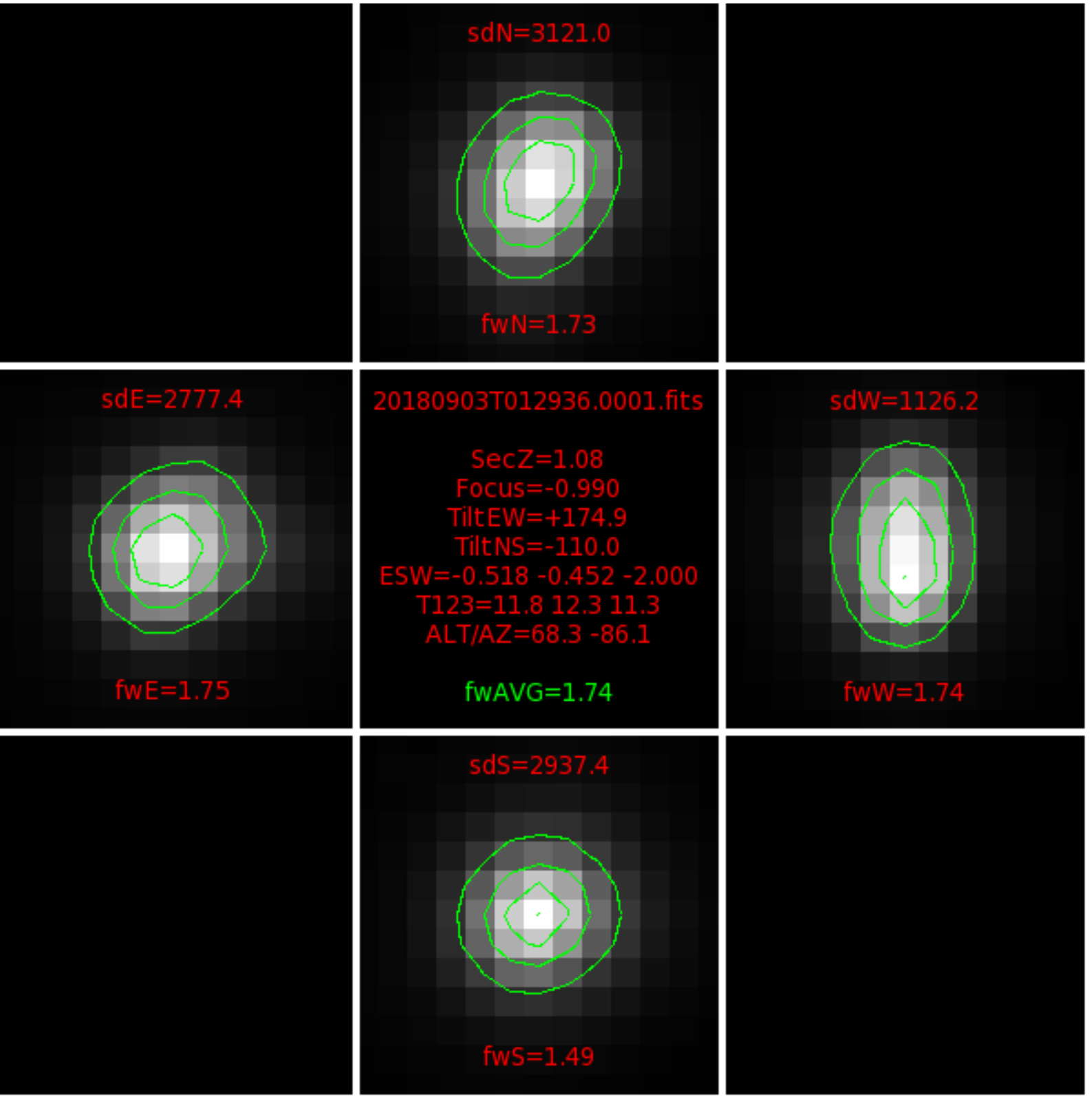
sdN=3121.0
fwN=1.73
sdE=2777.4
fwE=1.75
20180903T012936.0001.fits
SecZ=1.08
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.8 12.3 11.3
ALT/AZ=68.3 -86.1
fwAVG=1.74
sdW=1126.2
fwW=1.74
sdS=2937.4
fwS=1.49
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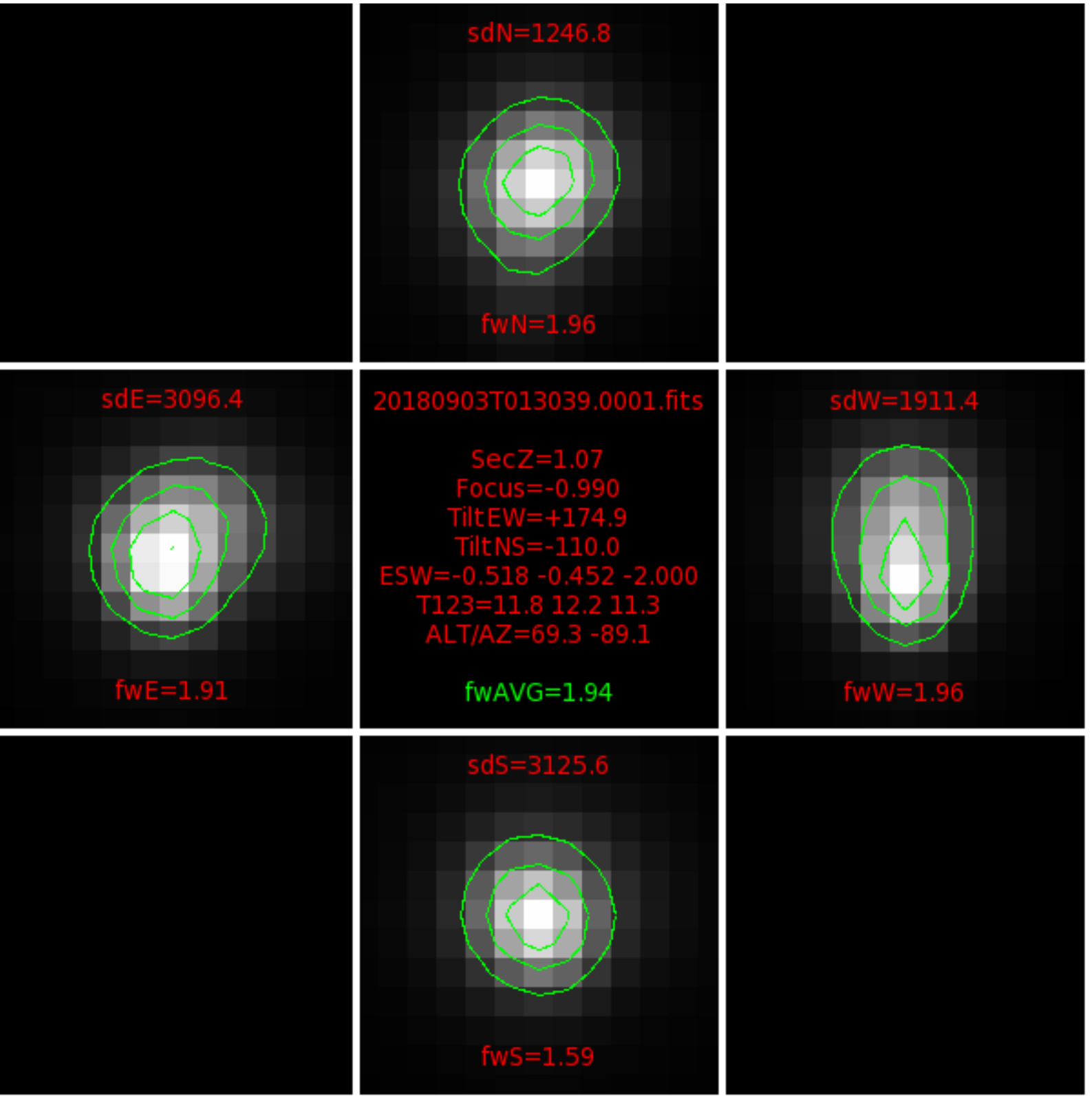
sdN=1246.8
fwN=1.96
sdE=3096.4
fwE=1.91
20180903T013039.0001.fits
SecZ=1.07
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.8 12.2 11.3
ALT/AZ=69.3 -89.1
fwAVG=1.94
sdW=1911.4
fwW=1.96
sdS=3125.6
fwS=1.59
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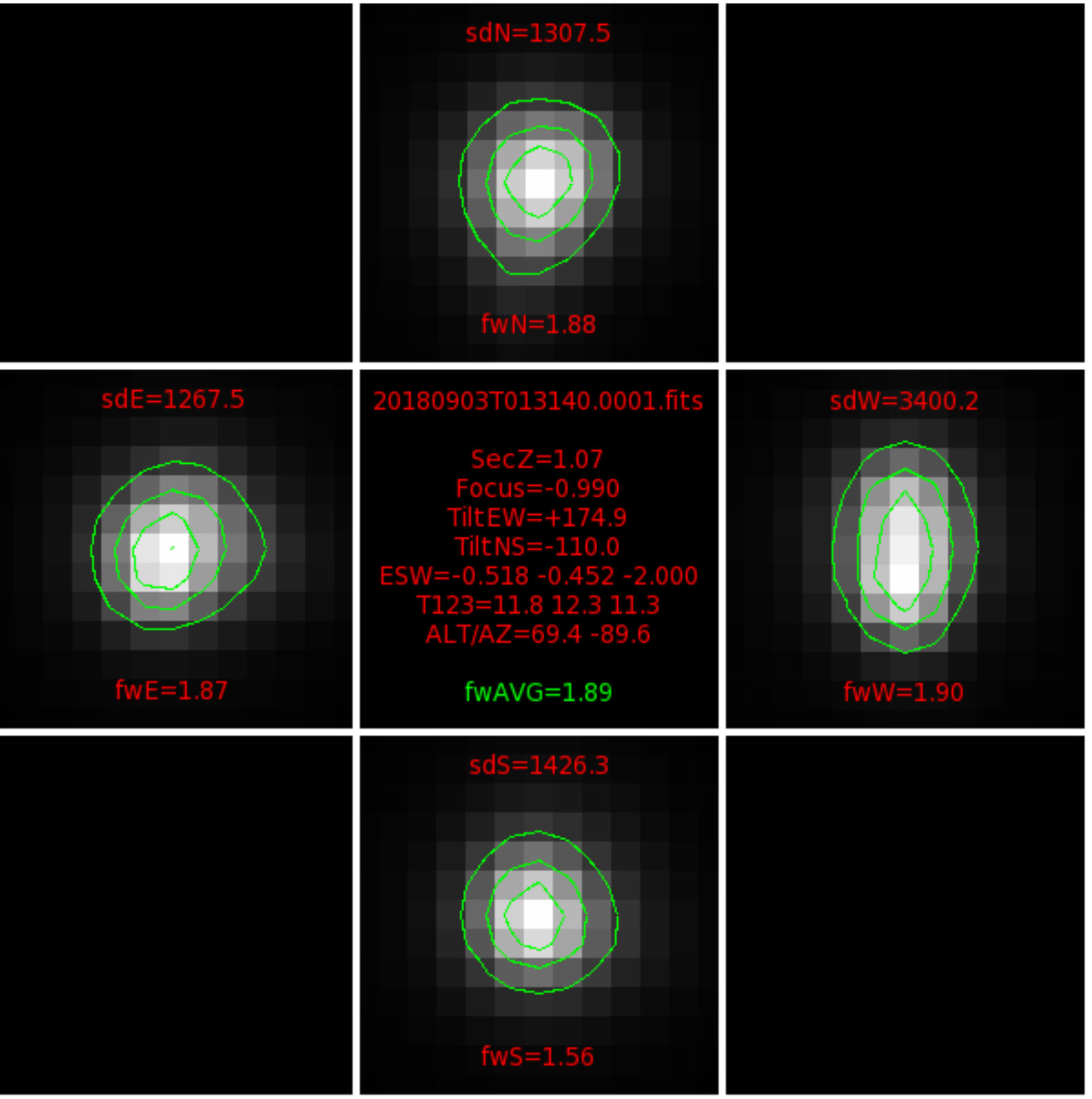
sdN=1307.5
fwN=1.88
sdE=1267.5
fwE=1.87
20180903T013140.0001.fits
SecZ=1.07
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.8 12.3 11.3
ALT/AZ=69.4 -89.6
fwAVG=1.89
sdW=3400.2
fwW=1.90
sdS=1426.3
fwS=1.56
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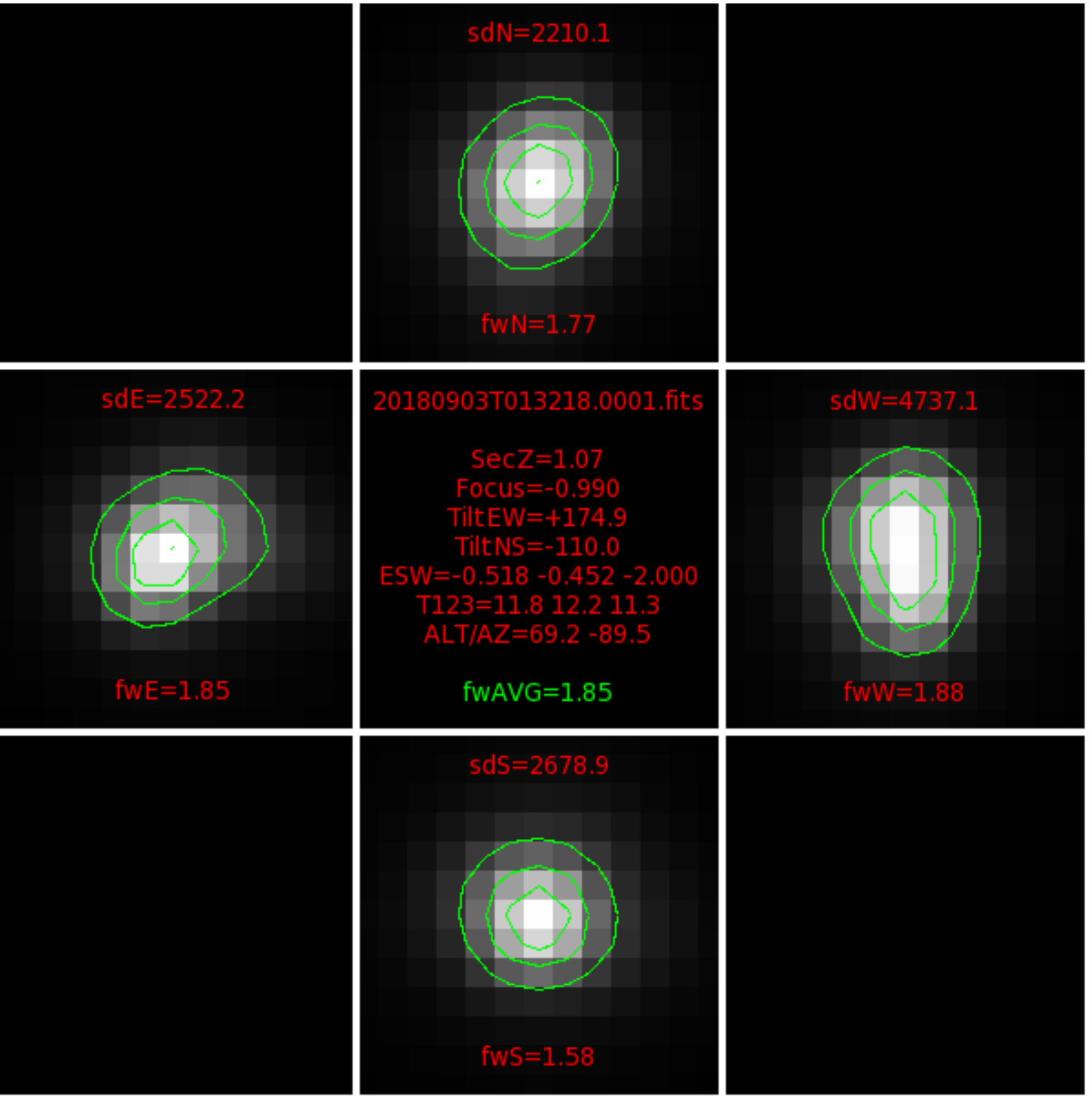
sdN=2210.1
fwN=1.77
sdE=2522.2
fwE=1.85
20180903T013218.0001.fits
SecZ=1.07
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.8 12.2 11.3
ALT/AZ=69.2 -89.5
fwAVG=1.85
sdW=4737.1
fwW=1.88
sdS=2678.9
fwS=1.58
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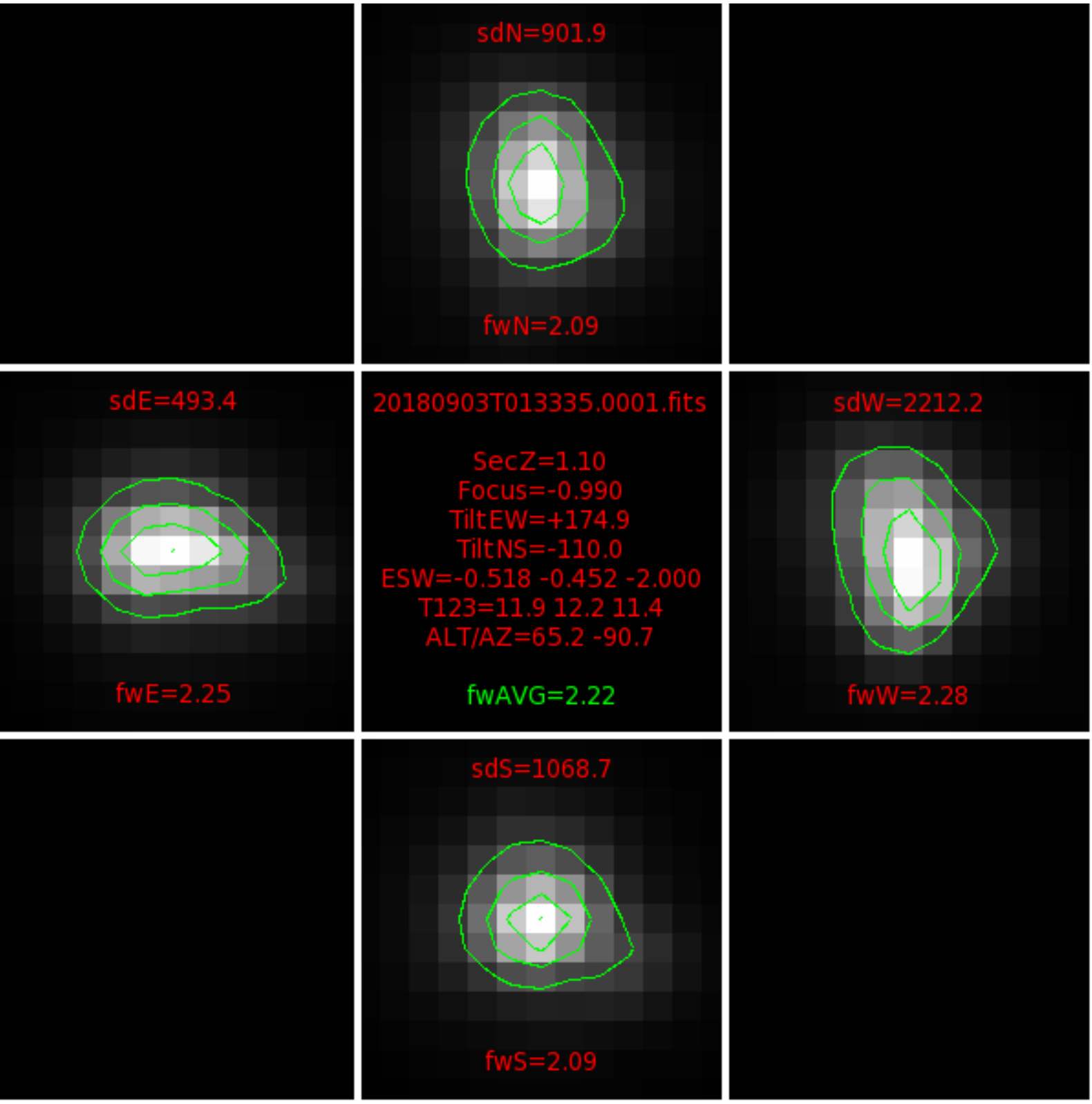
sdN=901.9
fwN=2.09
sdE=493.4
fwE=2.25
20180903T013335.0001.fits
SecZ=1.10
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.9 12.2 11.4
ALT/AZ=65.2 -90.7
fwAVG=2.22
sdW=2212.2
fwW=2.28
sdS=1068.7
fwS=2.09
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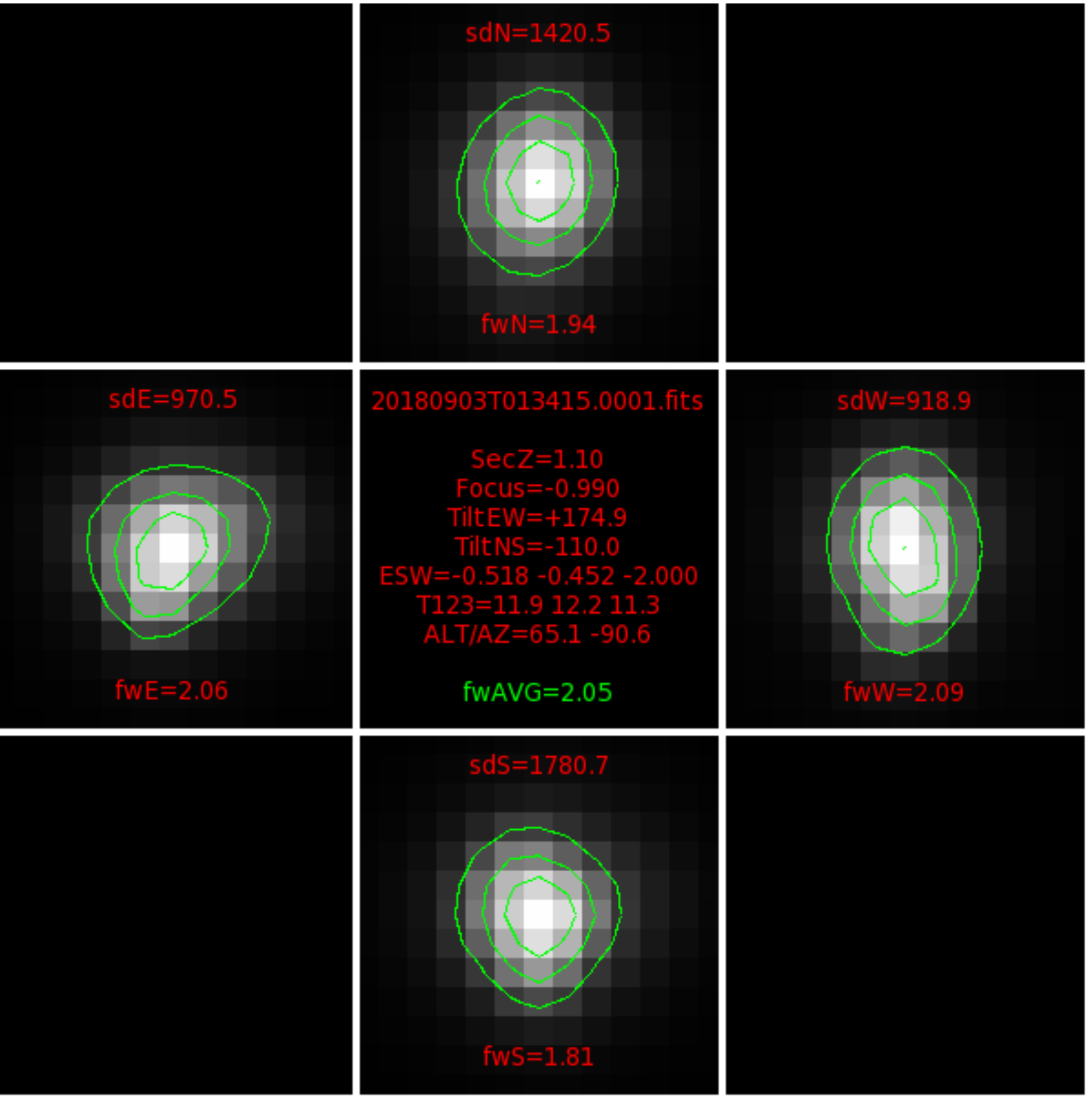
sdN=1420.5
fwN=1.94
sdE=970.5
fwE=2.06
20180903T013415.0001.fits
SecZ=1.10
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=11.9 12.2 11.3
ALT/AZ=65.1 -90.6
fwAVG=2.05
sdW=918.9
fwW=2.09
sdS=1780.7
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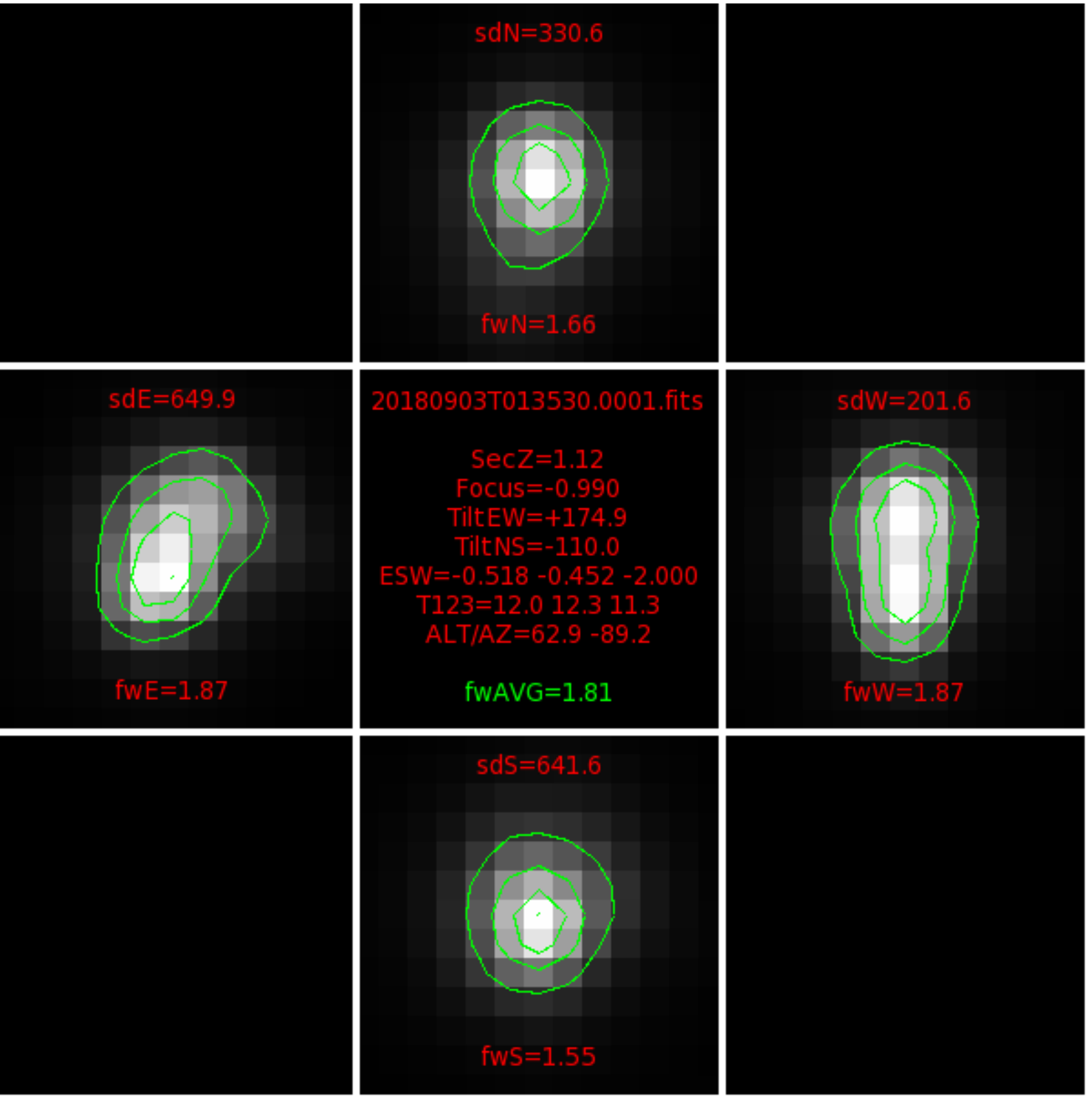
sdN=330.6
fwN=1.66
sdE=649.9
fwE=1.87
20180903T013530.0001.fits
SecZ=1.12
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=12.0 12.3 11.3
ALT/AZ=62.9 -89.2
fwAVG=1.81
sdW=201.6
fwW=1.87
sdS=641.6
fwS=1.55
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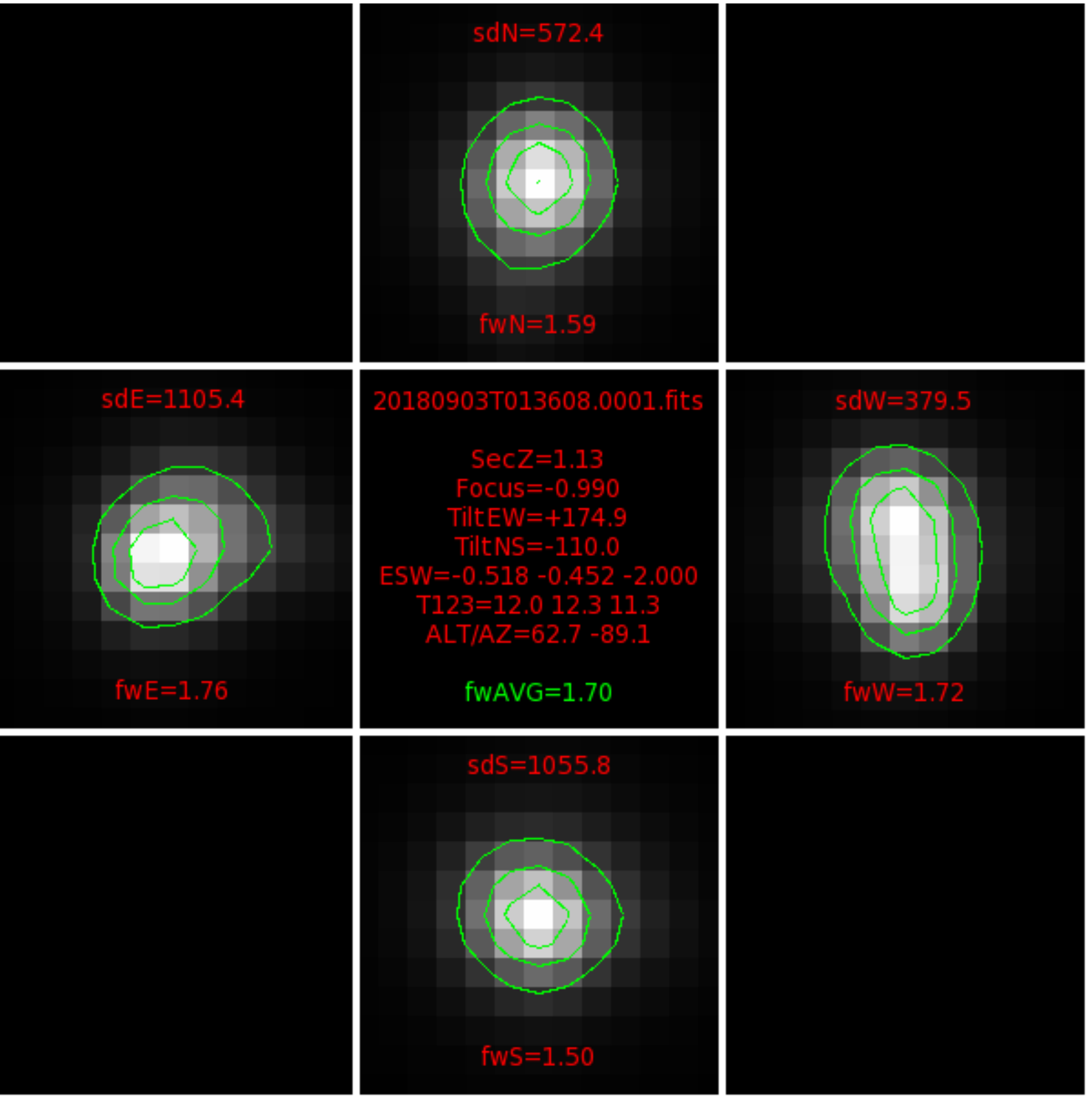
sdN=572.4
fwN=1.59
sdE=1105.4
fwE=1.76
20180903T013608.0001.fits
SecZ=1.13
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=12.0 12.3 11.3
ALT/AZ=62.7 -89.1
fwAVG=1.70
sdW=379.5
fwW=1.72
sdS=1055.8
fwS=1.50
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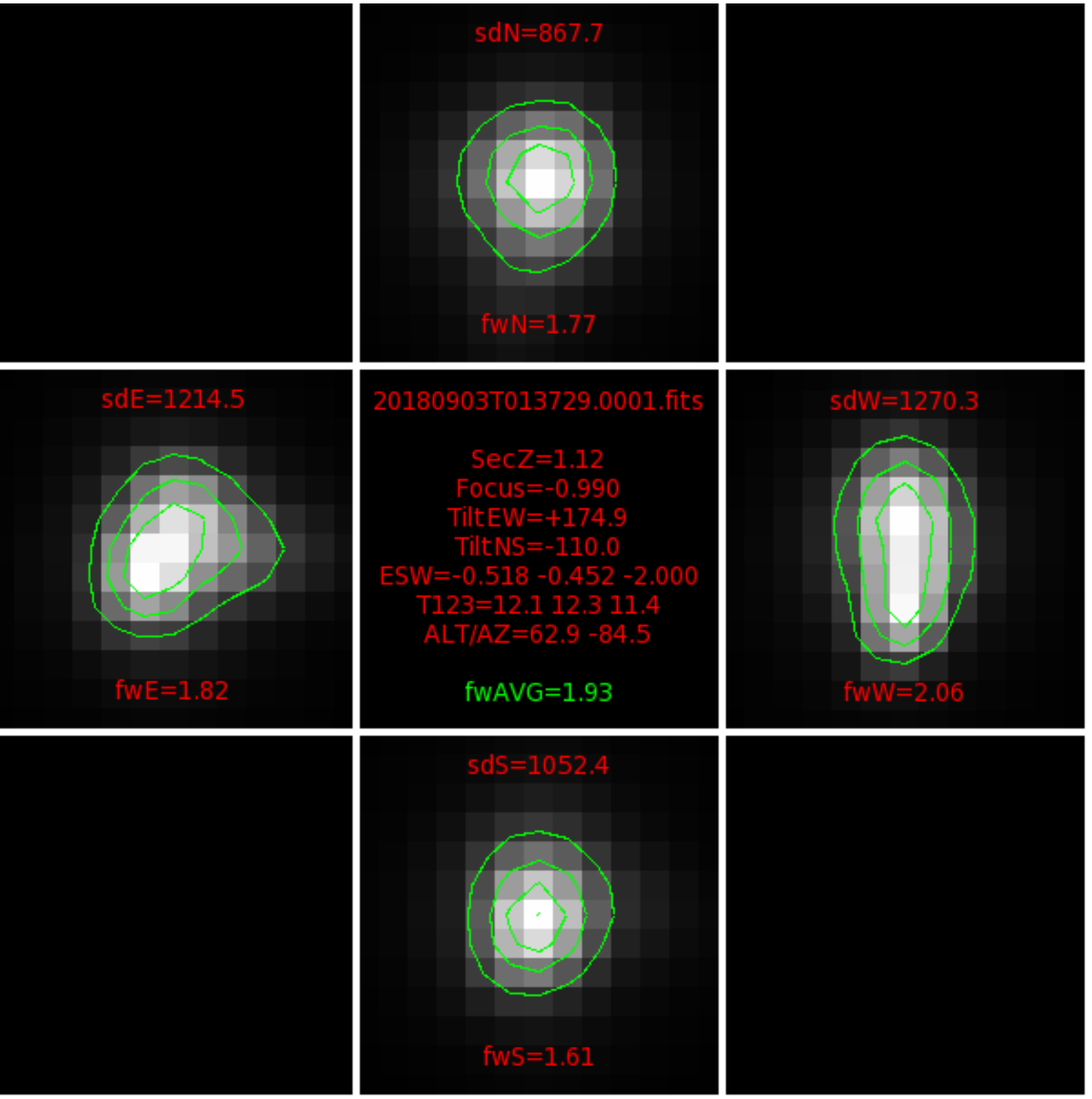
sdN=867.7
fwN=1.77
sdE=1214.5
fwE=1.82
20180903T013729.0001.fits
SecZ=1.12
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=12.1 12.3 11.4
ALT/AZ=62.9 -84.5
fwAVG=1.93
sdW=1270.3
fwW=2.06
sdS=1052.4
fwS=1.61
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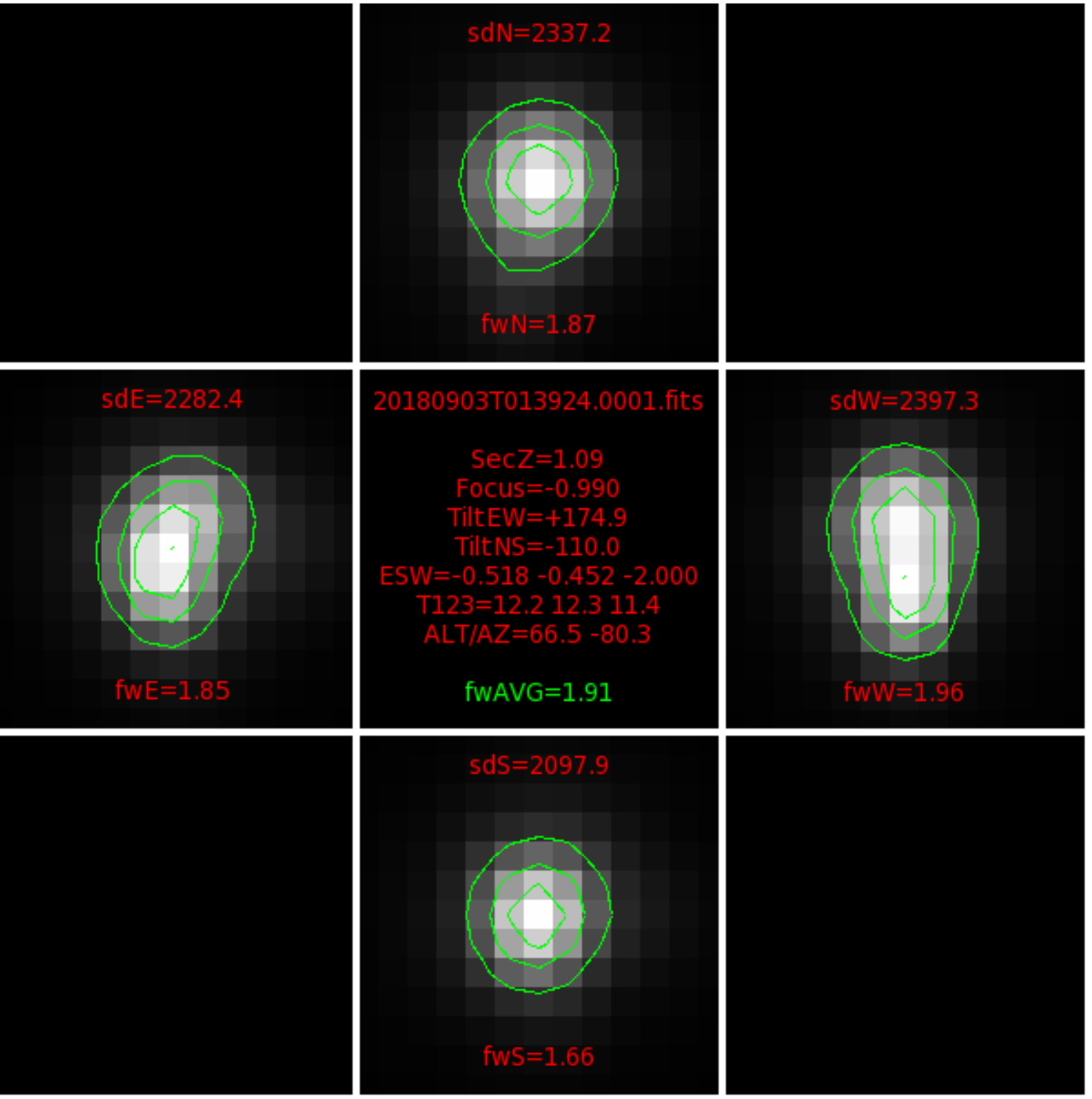
sdN=2337.2
fwN=1.87
sdE=2282.4
fwE=1.85
20180903T013924.0001.fits
SecZ=1.09
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=12.2 12.3 11.4
ALT/AZ=66.5 -80.3
fwAVG=1.91
sdW=2397.3
fwW=1.96
sdS=2097.9
fwS=1.66
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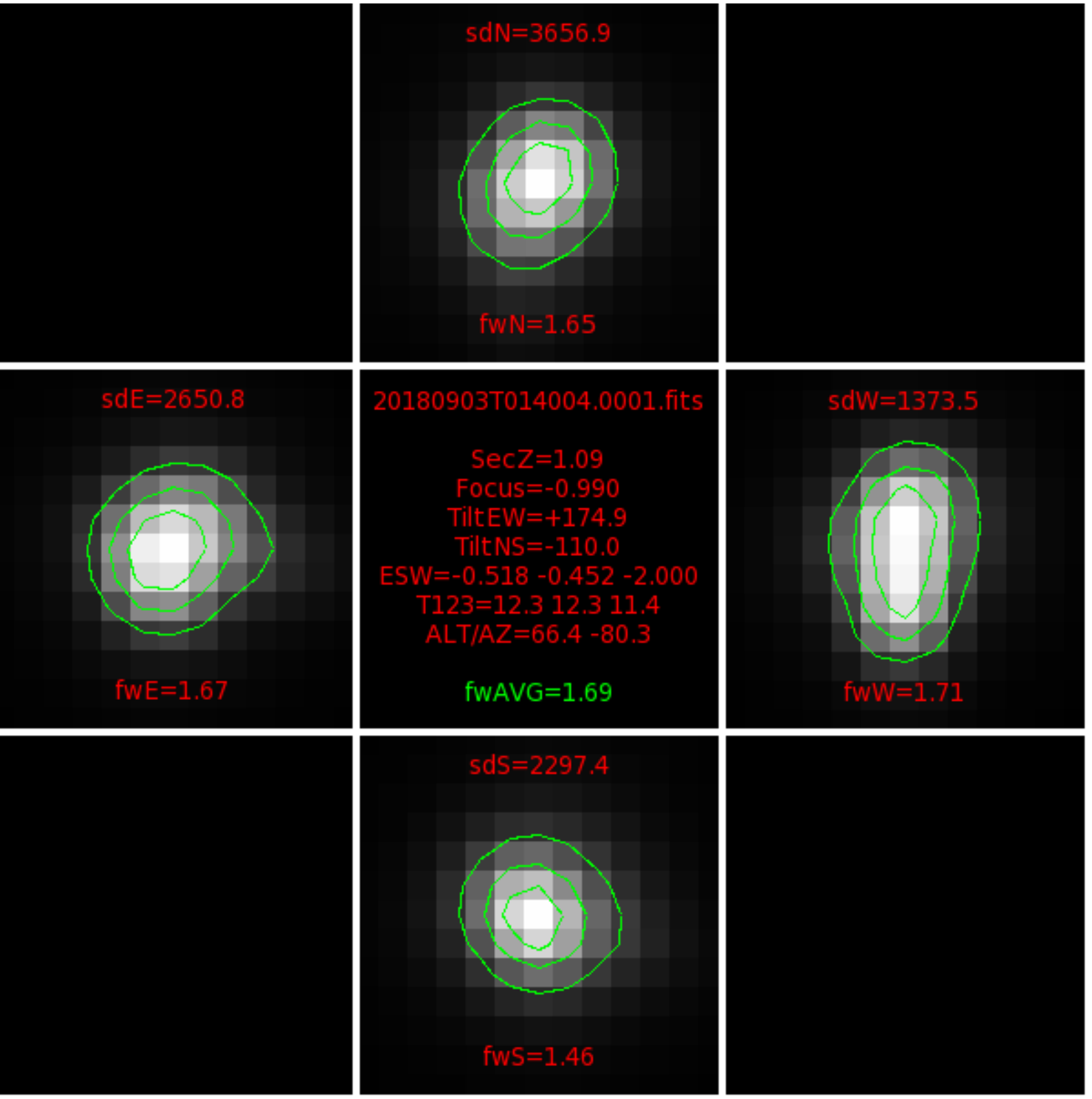
sdN=3656.9
fwN=1.65
sdE=2650.8
fwE=1.67
20180903T014004.0001.fits
SecZ=1.09
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=12.3 12.3 11.4
ALT/AZ=66.4 -80.3
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sdW=1373.5
fwW=1.71
sdS=2297.4
fwS=1.46
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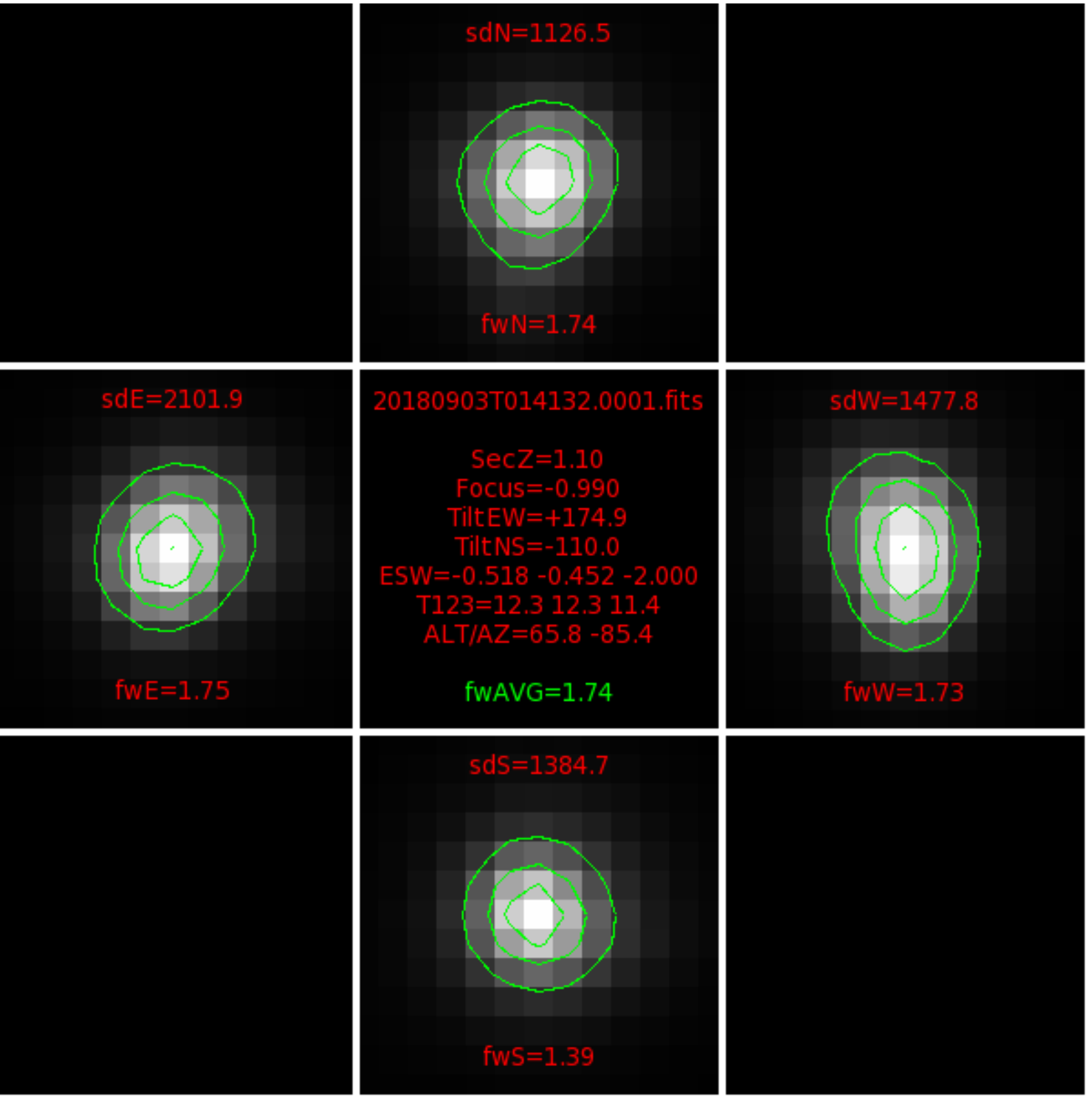
sdN=1126.5
fwN=1.74
sdE=2101.9
fwE=1.75
20180903T014132.0001.fits
SecZ=1.10
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=12.3 12.3 11.4
ALT/AZ=65.8 -85.4
fwAVG=1.74
sdW=1477.8
fwW=1.73
sdS=1384.7
fwS=1.39
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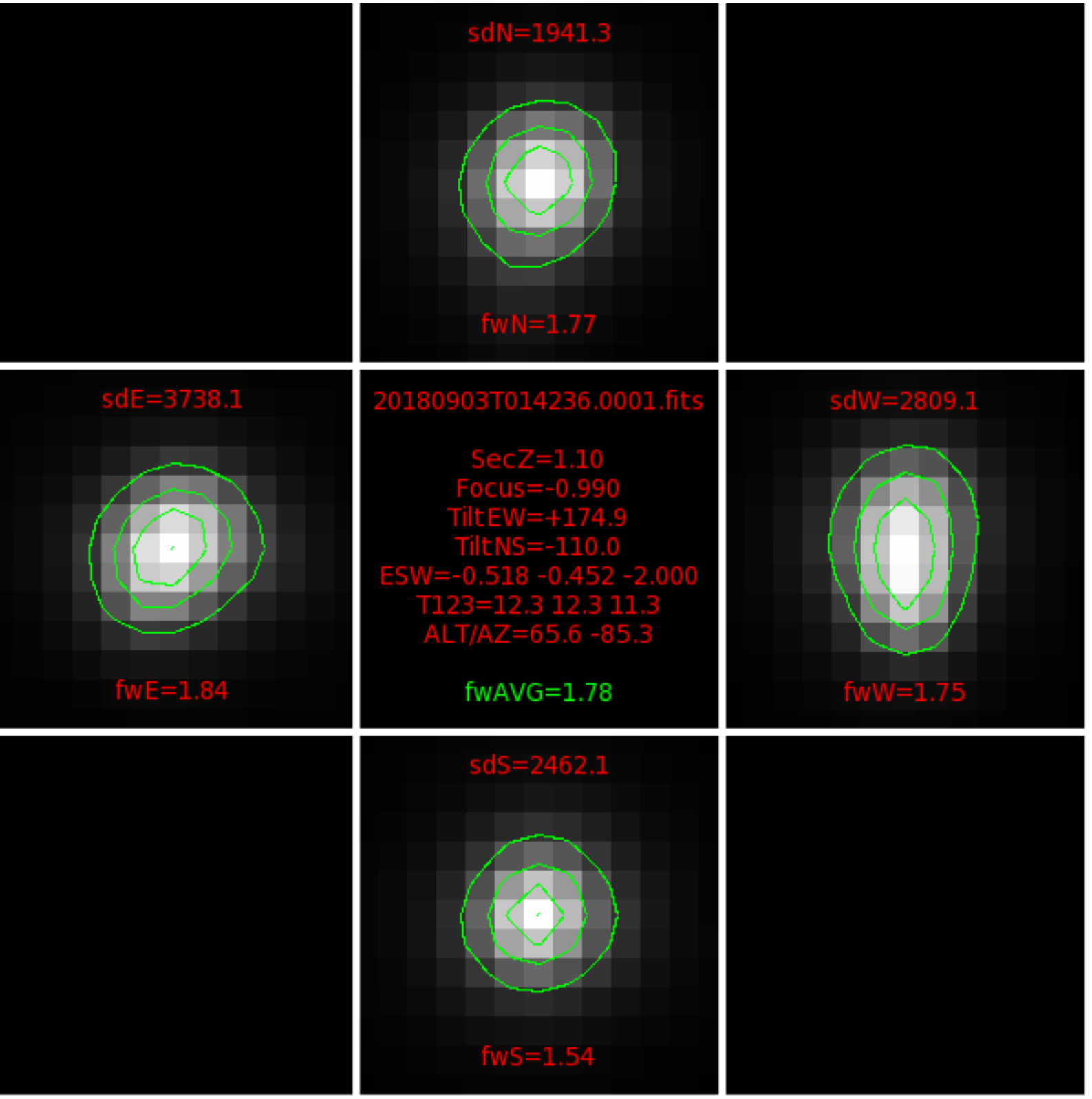
sdN=1941.3
fwN=1.77
sdE=3738.1
fwE=1.84
20180903T014236.0001.fits
SecZ=1.10
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=12.3 12.3 11.3
ALT/AZ=65.6 -85.3
fwAVG=1.78
sdW=2809.1
fwW=1.75
sdS=2462.1
fwS=1.54
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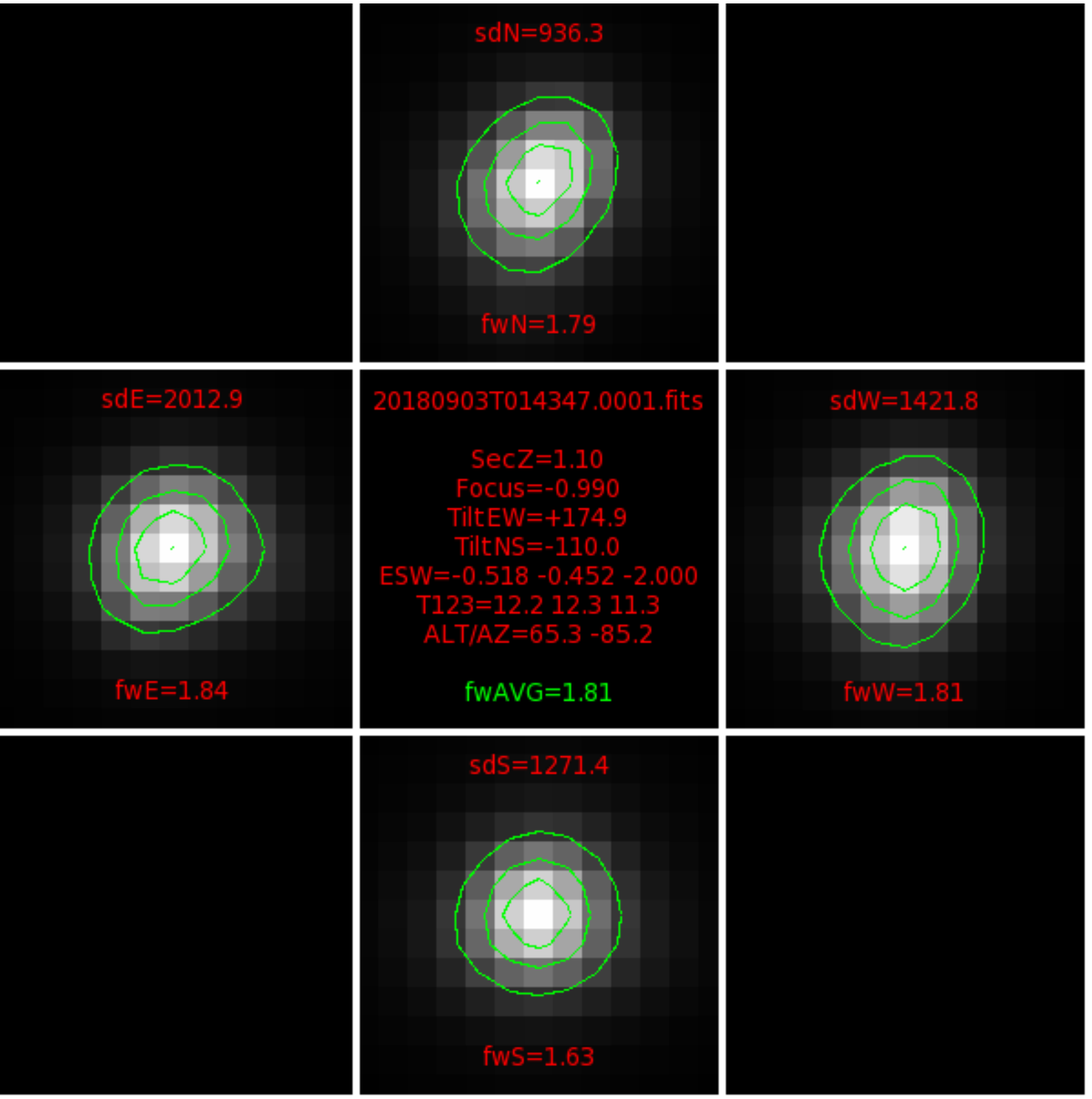
sdN=936.3
fwN=1.79
sdE=2012.9
fwE=1.84
20180903T014347.0001.fits
SecZ=1.10
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=12.2 12.3 11.3
ALT/AZ=65.3 -85.2
fwAVG=1.81
sdW=1421.8
fwW=1.81
sdS=1271.4
fwS=1.63
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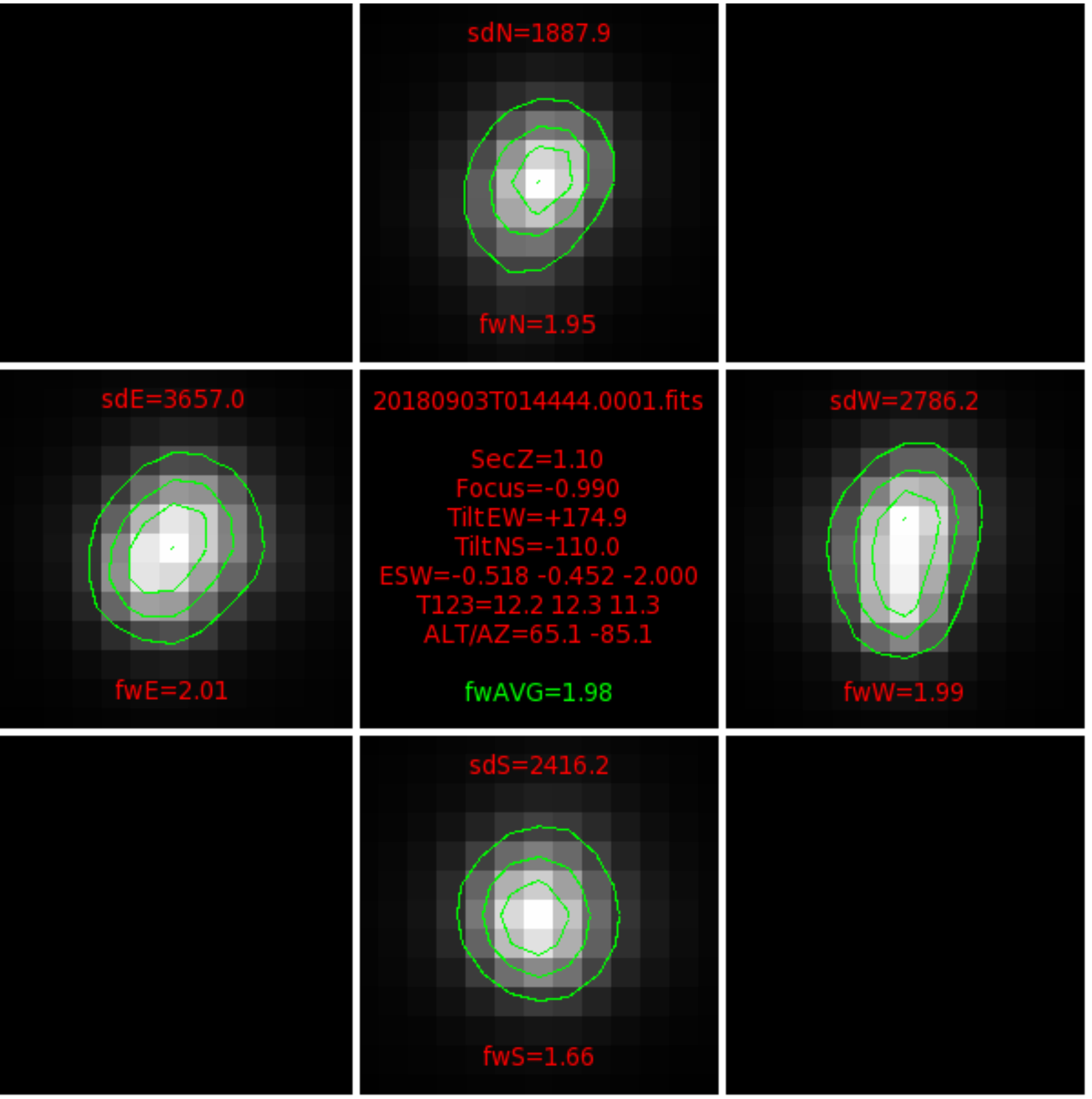
sdN=1887.9
fwN=1.95
sdE=3657.0
fwE=2.01
20180903T014444.0001.fits
SecZ=1.10
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=12.2 12.3 11.3
ALT/AZ=65.1 -85.1
fwAVG=1.98
sdW=2786.2
fwW=1.99
sdS=2416.2
fwS=1.66
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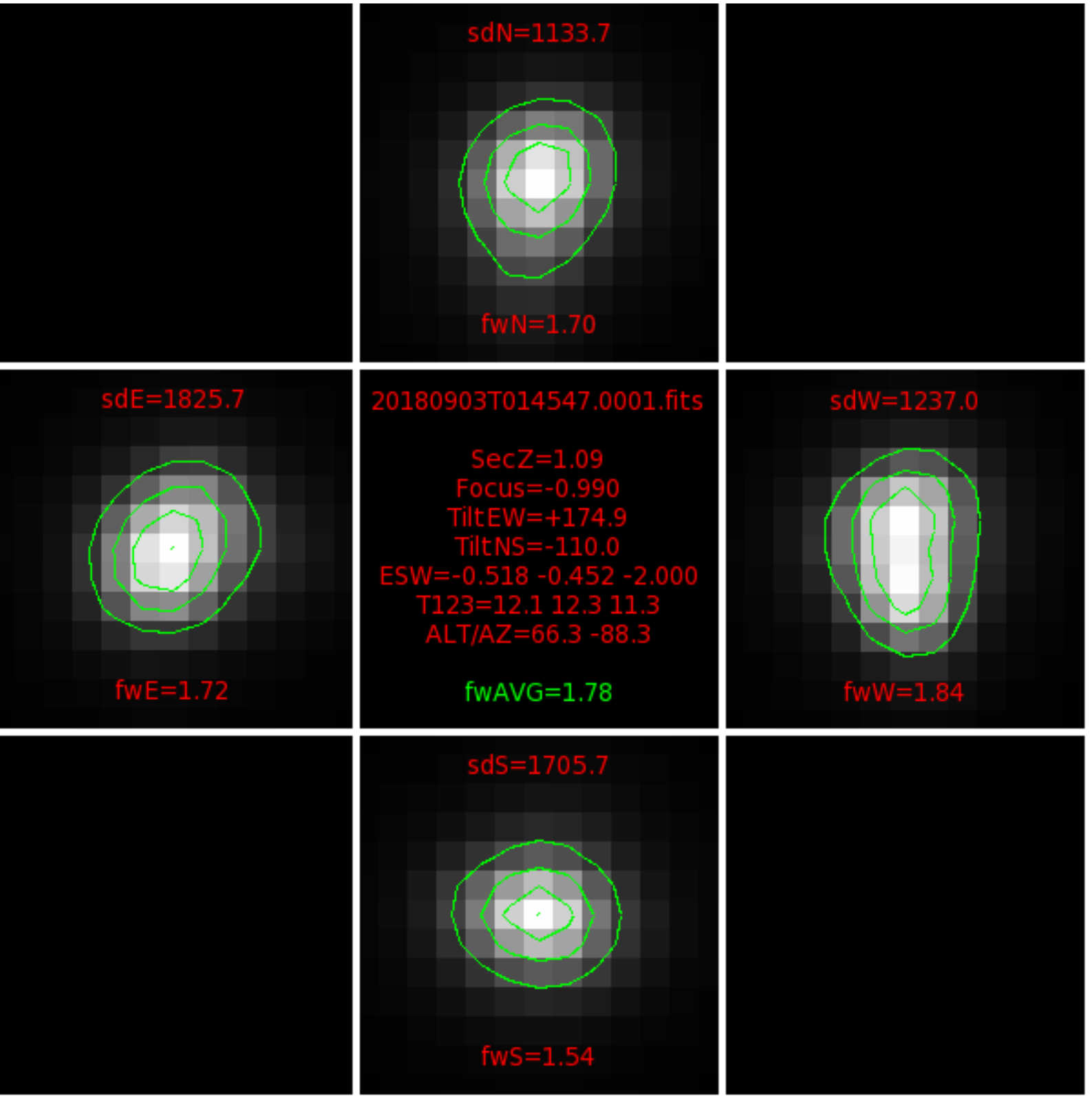
sdN=1133.7
fwN=1.70
sdE=1825.7
fwE=1.72
20180903T014547.0001.fits
SecZ=1.09
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=12.1 12.3 11.3
ALT/AZ=66.3 -88.3
fwAVG=1.78
sdW=1237.0
fwW=1.84
sdS=1705.7
fwS=1.54
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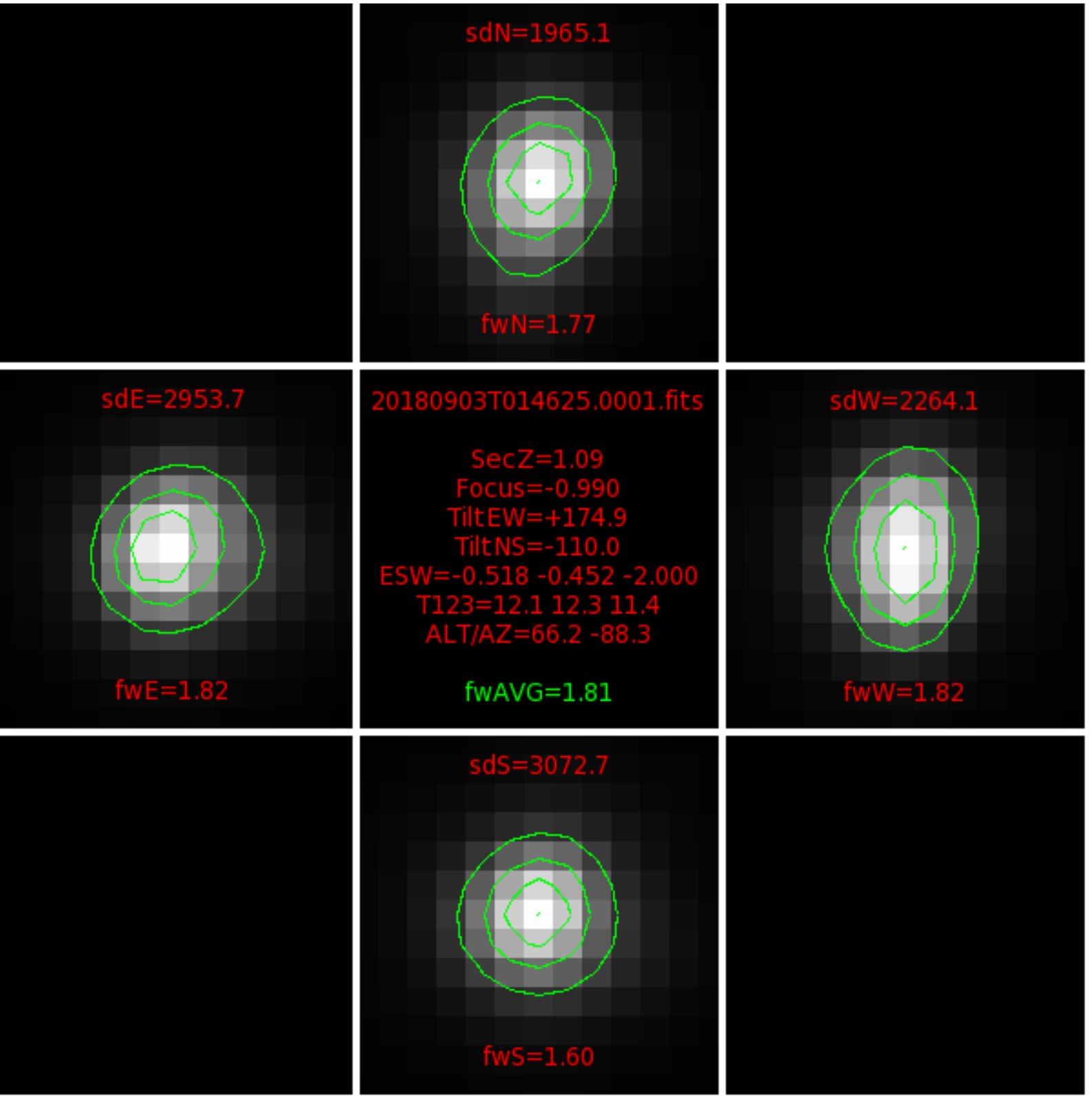
sdN=1965.1
fwN=1.77
sdE=2953.7
fwE=1.82
20180903T014625.0001.fits
SecZ=1.09
Focus=-0.990
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.518 -0.452 -2.000
T123=12.1 12.3 11.4
ALT/AZ=66.2 -88.3
fwAVG=1.81
sdW=2264.1
fwW=1.82
sdS=3072.7
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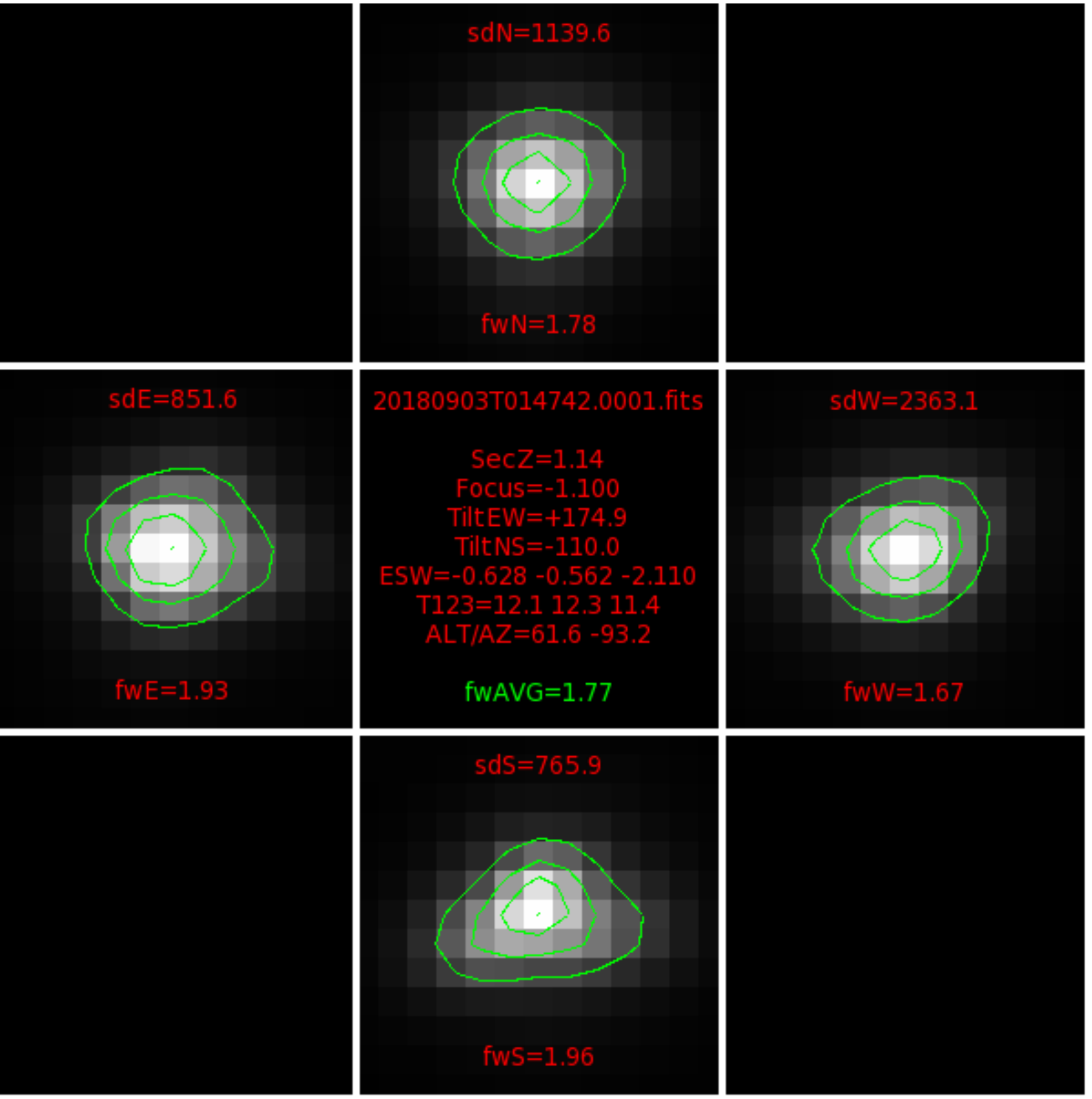
sdN=1139.6
fwN=1.78
sdE=851.6
fwE=1.93
20180903T014742.0001.fits
SecZ=1.14
Focus=-1.100
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.628 -0.562 -2.110
T123=12.1 12.3 11.4
ALT/AZ=61.6 -93.2
fwAVG=1.77
sdW=2363.1
fwW=1.67
sdS=765.9
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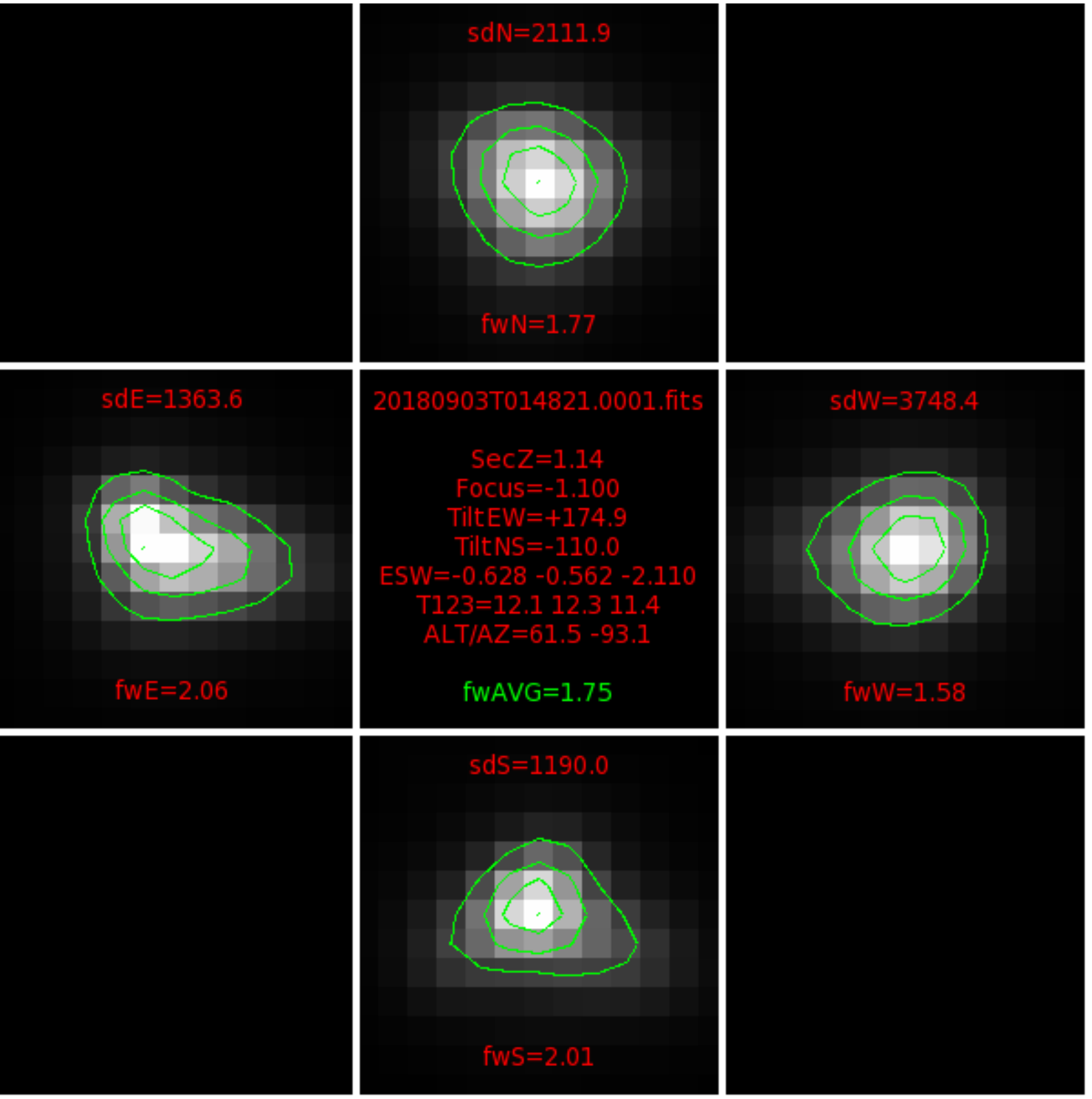
sdN=2111.9
fwN=1.77
sdE=1363.6
fwE=2.06
20180903T014821.0001.fits
SecZ=1.14
Focus=-1.100
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.628 -0.562 -2.110
T123=12.1 12.3 11.4
ALT/AZ=61.5 -93.1
fwAVG=1.75
sdW=3748.4
fwW=1.58
sdS=1190.0
fwS=2.01
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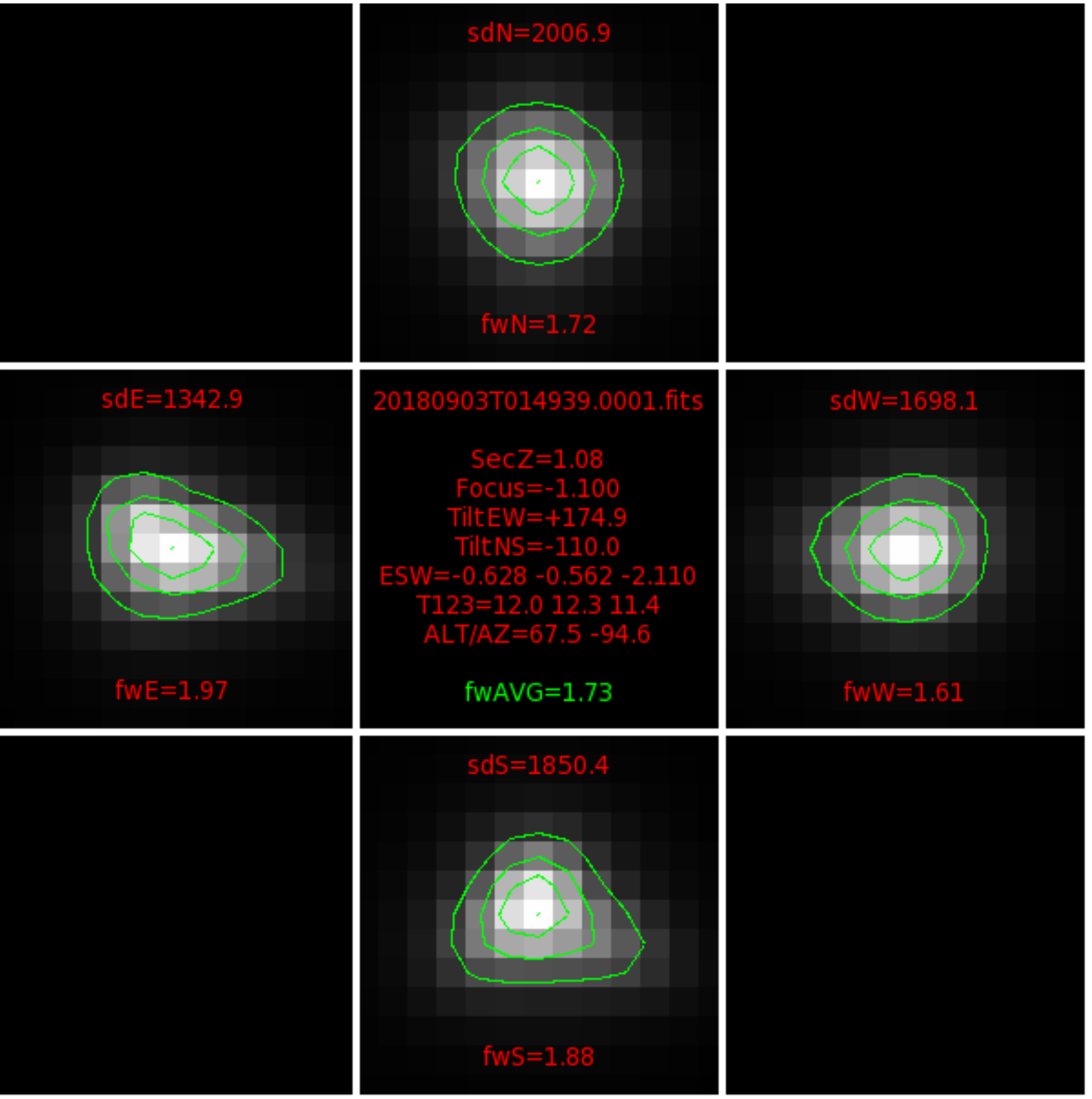
sdN=2006.9
fwN=1.72
sdE=1342.9
fwE=1.97
20180903T014939.0001.fits
SecZ=1.08
Focus=-1.100
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.628 -0.562 -2.110
T123=12.0 12.3 11.4
ALT/AZ=67.5 -94.6
fwAVG=1.73
sdW=1698.1
fwW=1.61
sdS=1850.4
fwS=1.88
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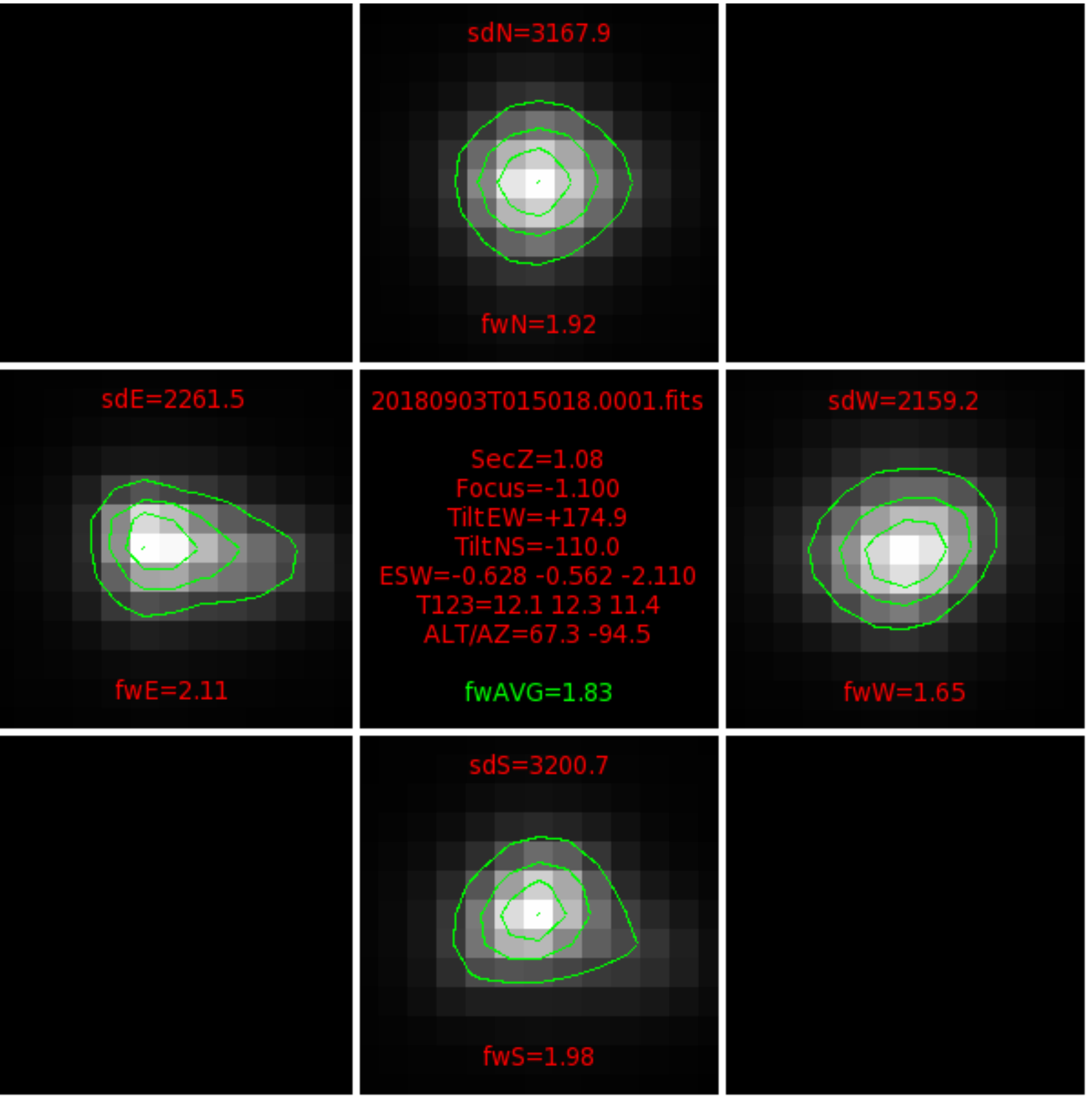
sdN=3167.9
fwN=1.92
sdE=2261.5
fwE=2.11
20180903T015018.0001.fits
SecZ=1.08
Focus=-1.100
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.628 -0.562 -2.110
T123=12.1 12.3 11.4
ALT/AZ=67.3 -94.5
fwAVG=1.83
sdW=2159.2
fwW=1.65
sdS=3200.7
fwS=1.98
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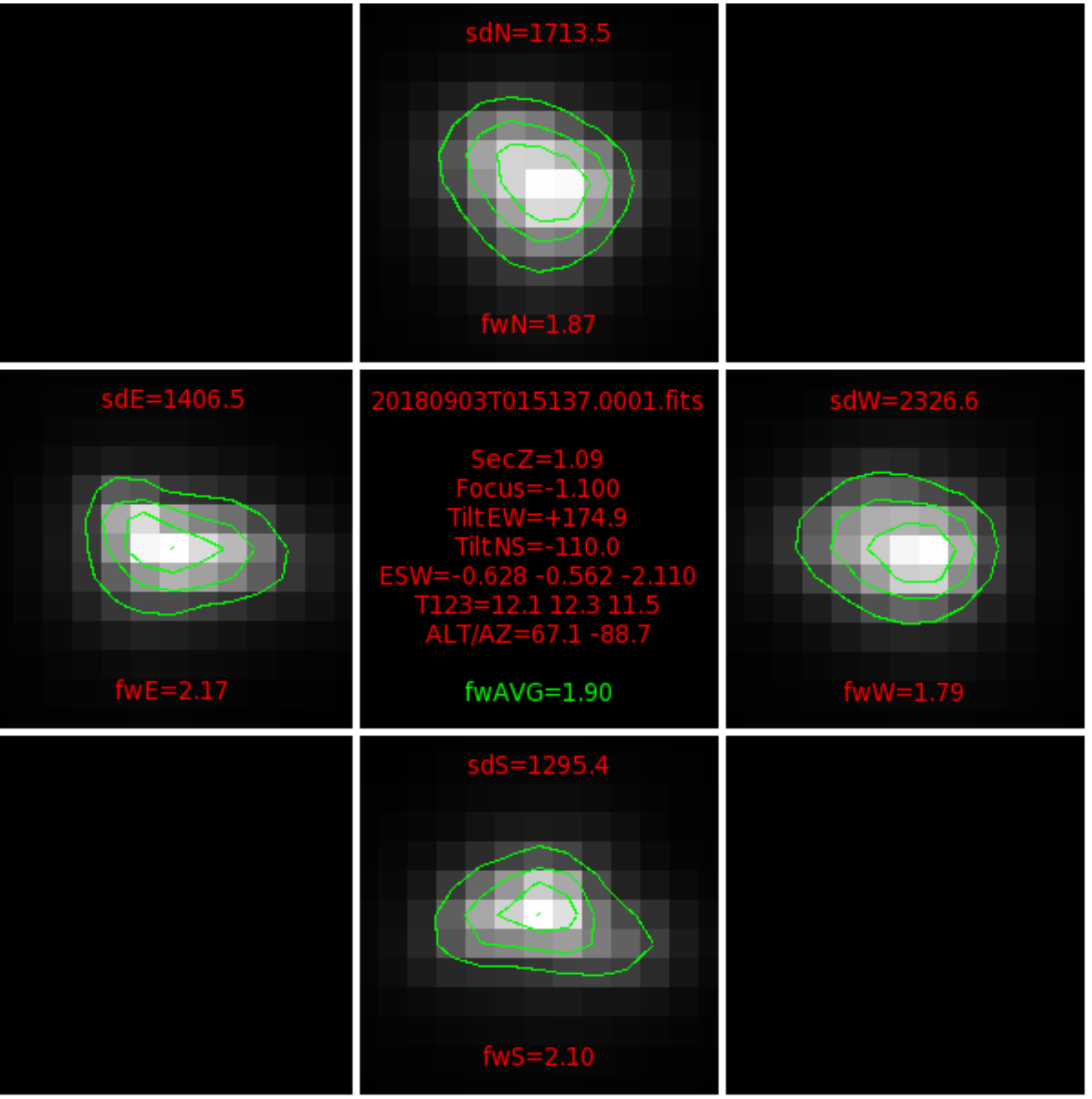
sdN=1713.5
fwN=1.87
sdE=1406.5
fwE=2.17
20180903T015137.0001.fits
SecZ=1.09
Focus=-1.100
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.628 -0.562 -2.110
T123=12.1 12.3 11.5
ALT/AZ=67.1 -88.7
fwAVG=1.90
sdW=2326.6
fwW=1.79
sdS=1295.4
fwS=2.10
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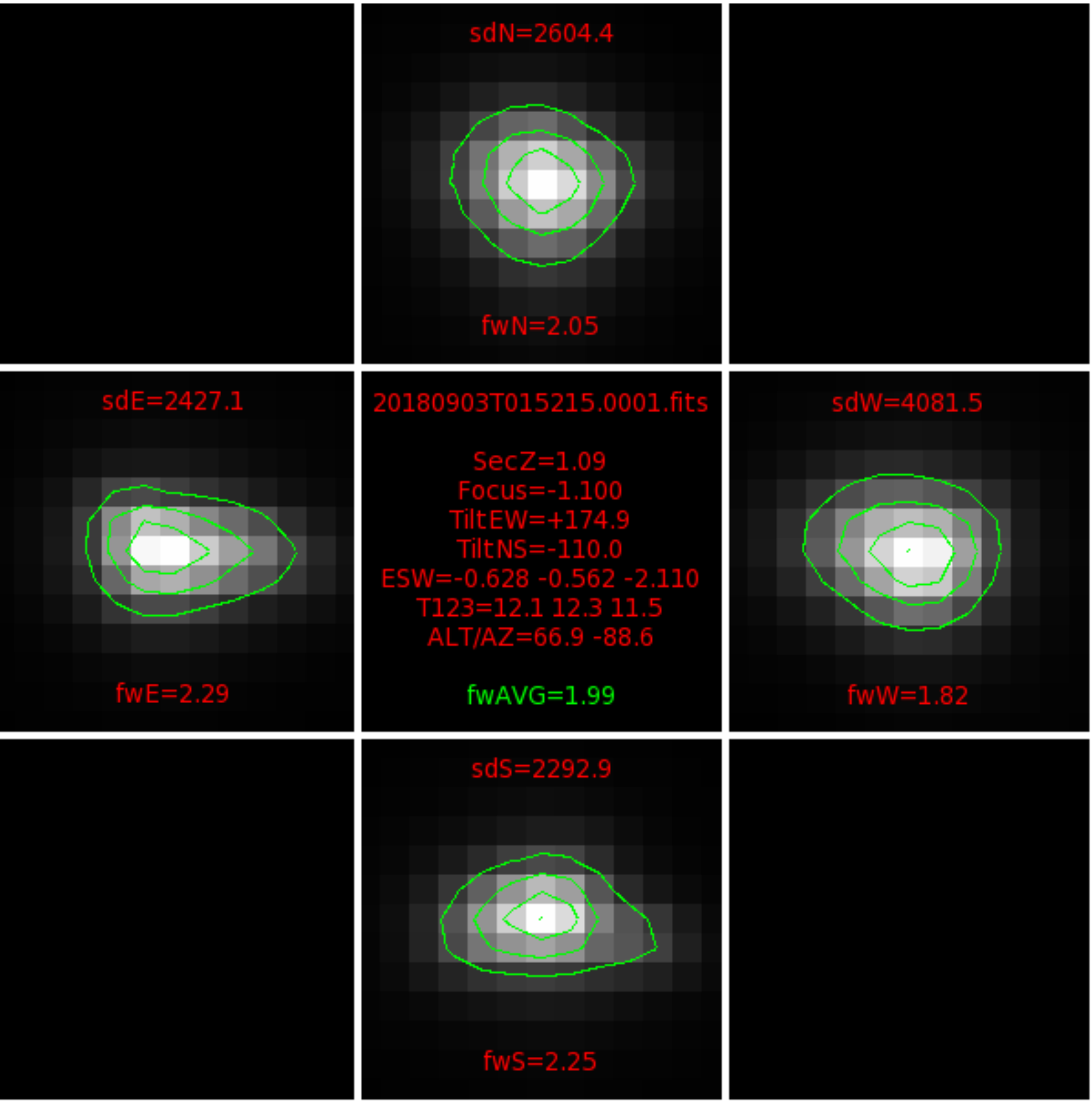
sdN=2604.4
fwN=2.05
sdE=2427.1
fwE=2.29
20180903T015215.0001.fits
SecZ=1.09
Focus=-1.100
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.628 -0.562 -2.110
T123=12.1 12.3 11.5
ALT/AZ=66.9 -88.6
fwAVG=1.99
sdW=4081.5
fwW=1.82
sdS=2292.9
fwS=2.25
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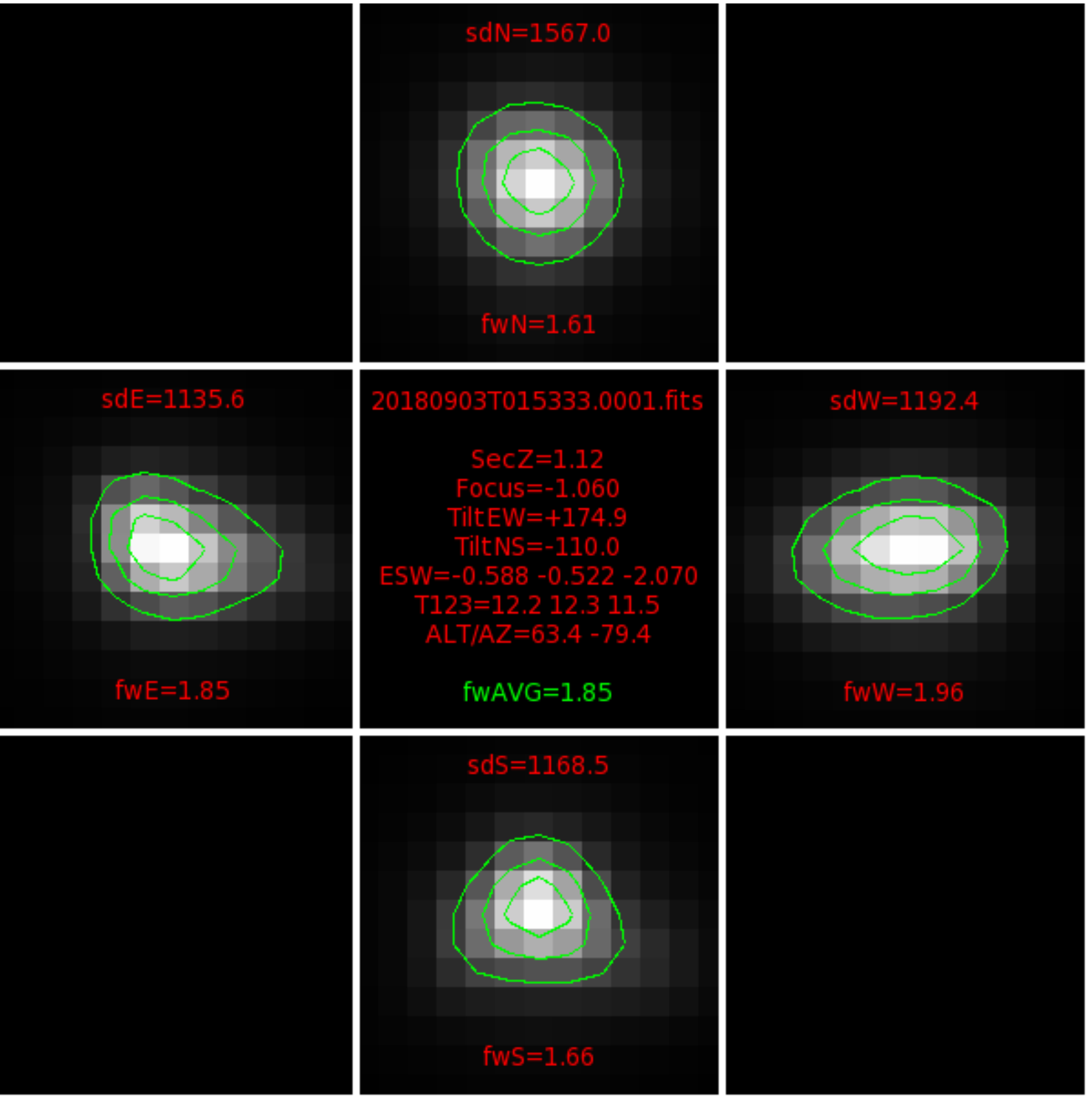
sdN=1567.0
fwN=1.61
sdE=1135.6
fwE=1.85
20180903T015333.0001.fits
SecZ=1.12
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.2 12.3 11.5
ALT/AZ=63.4 -79.4
fwAVG=1.85
sdW=1192.4
fwW=1.96
sdS=1168.5
fwS=1.66
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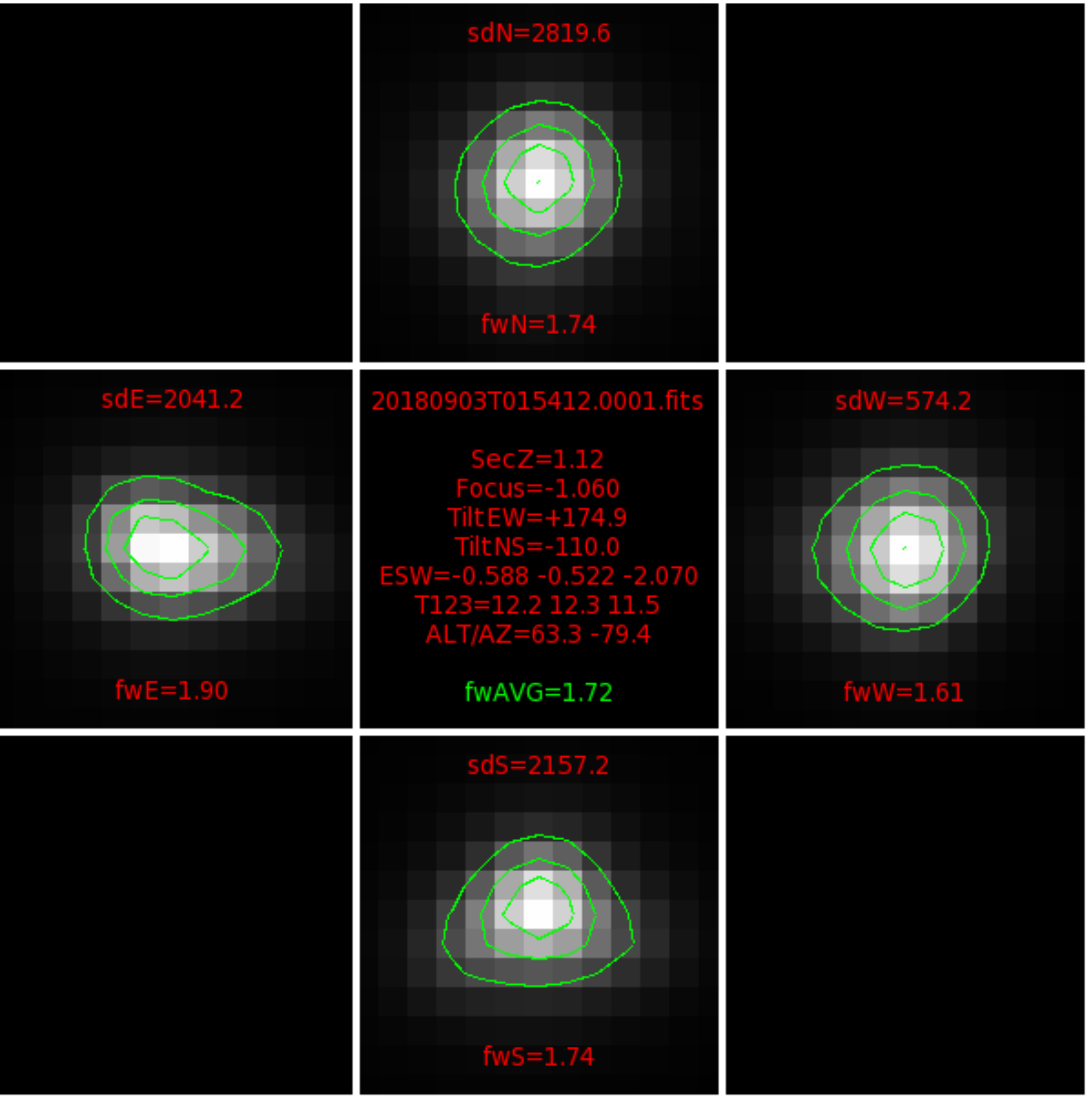
sdN=2819.6
fwN=1.74
sdE=2041.2
fwE=1.90
20180903T015412.0001.fits
SecZ=1.12
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.2 12.3 11.5
ALT/AZ=63.3 -79.4
fwAVG=1.72
sdW=574.2
fwW=1.61
sdS=2157.2
fwS=1.74
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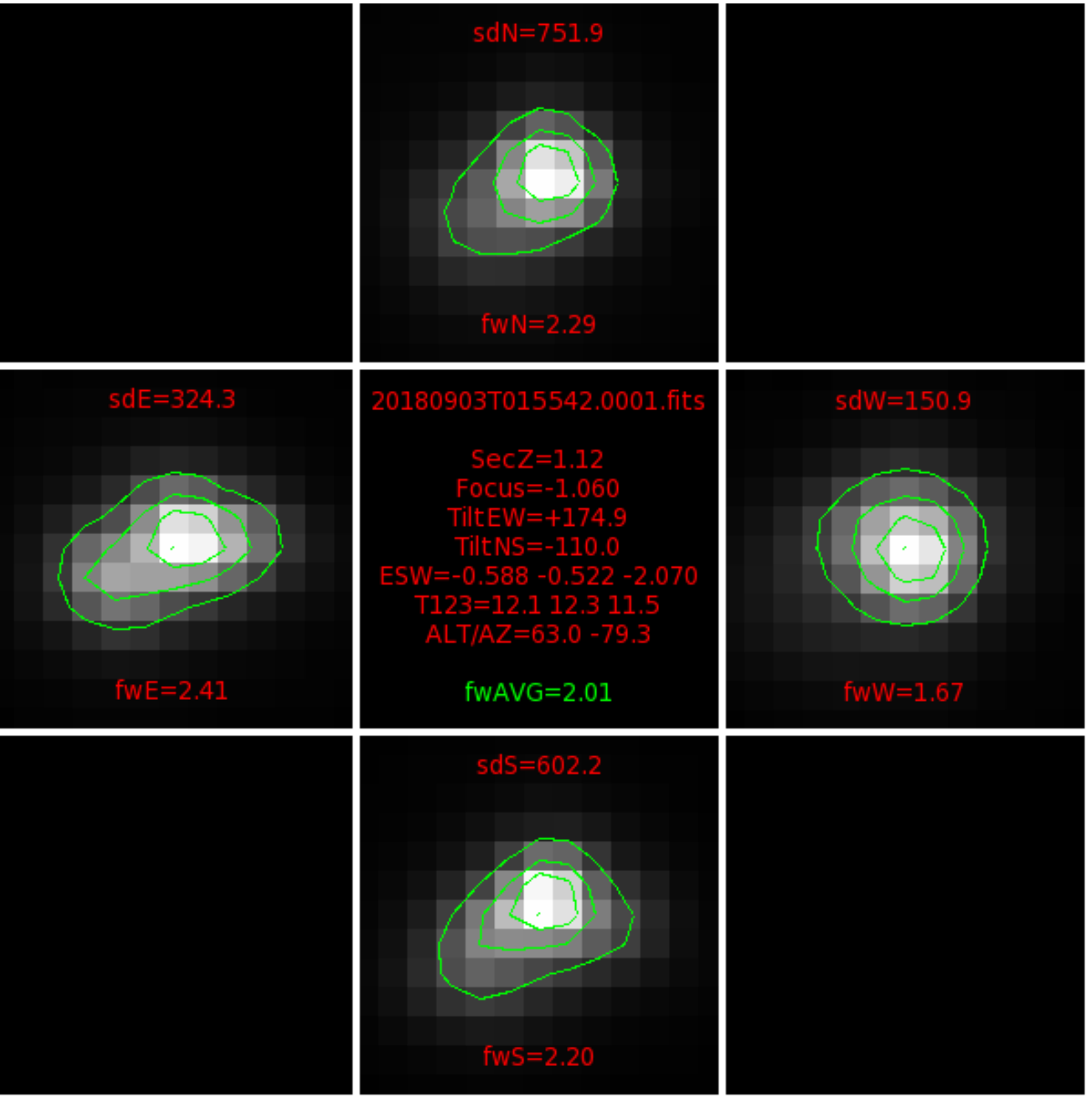
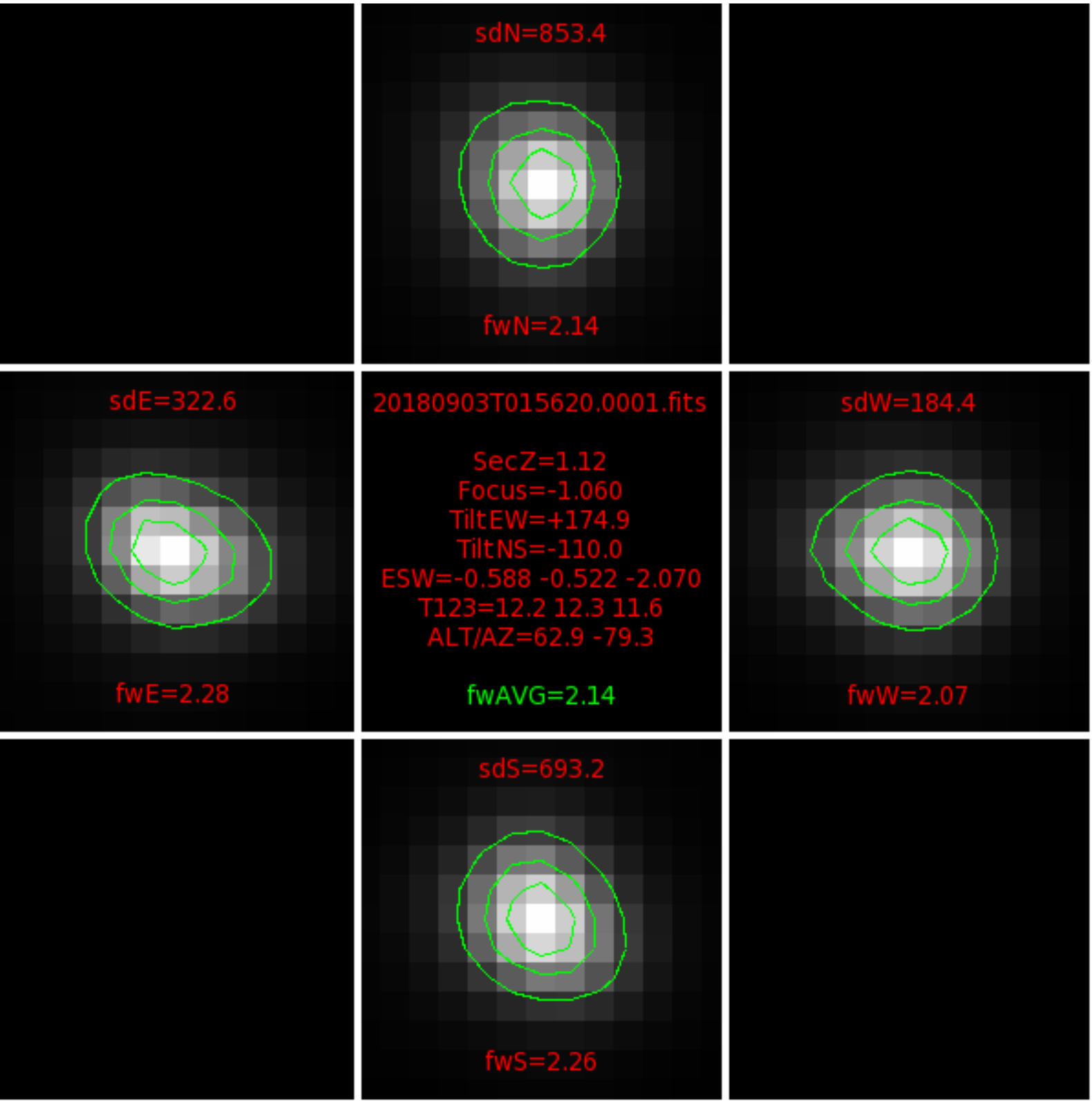

sdN=751.9
fwN=2.29
sdE=324.3
fwE=2.41
20180903T015542.0001.fits
SecZ=1.12
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.1 12.3 11.5
ALT/AZ=63.0 -79.3
fwAVG=2.01
sdW=150.9
fwW=1.67
sdS=602.2
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=853.4
fwN=2.14
sdE=322.6
fwE=2.28
20180903T015620.0001.fits
SecZ=1.12
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.2 12.3 11.6
ALT/AZ=62.9 -79.3
fwAVG=2.14
sdW=184.4
fwW=2.07
sdS=693.2
fwS=2.26
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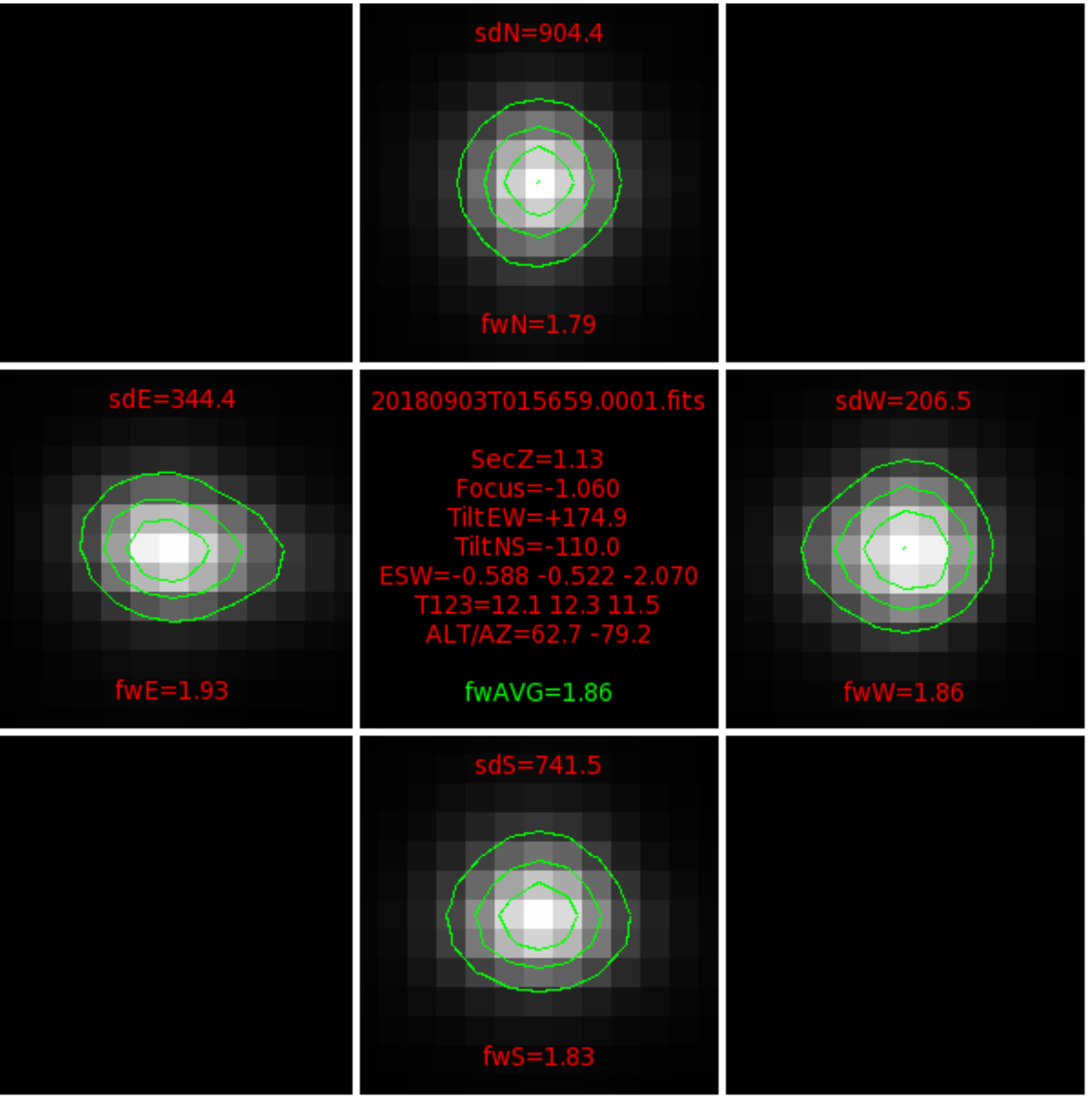
sdN=904.4
fwN=1.79
sdE=344.4
fwE=1.93
20180903T015659.0001.fits
SecZ=1.13
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.1 12.3 11.5
ALT/AZ=62.7 -79.2
fwAVG=1.86
sdW=206.5
fwW=1.86
sdS=741.5
fwS=1.83
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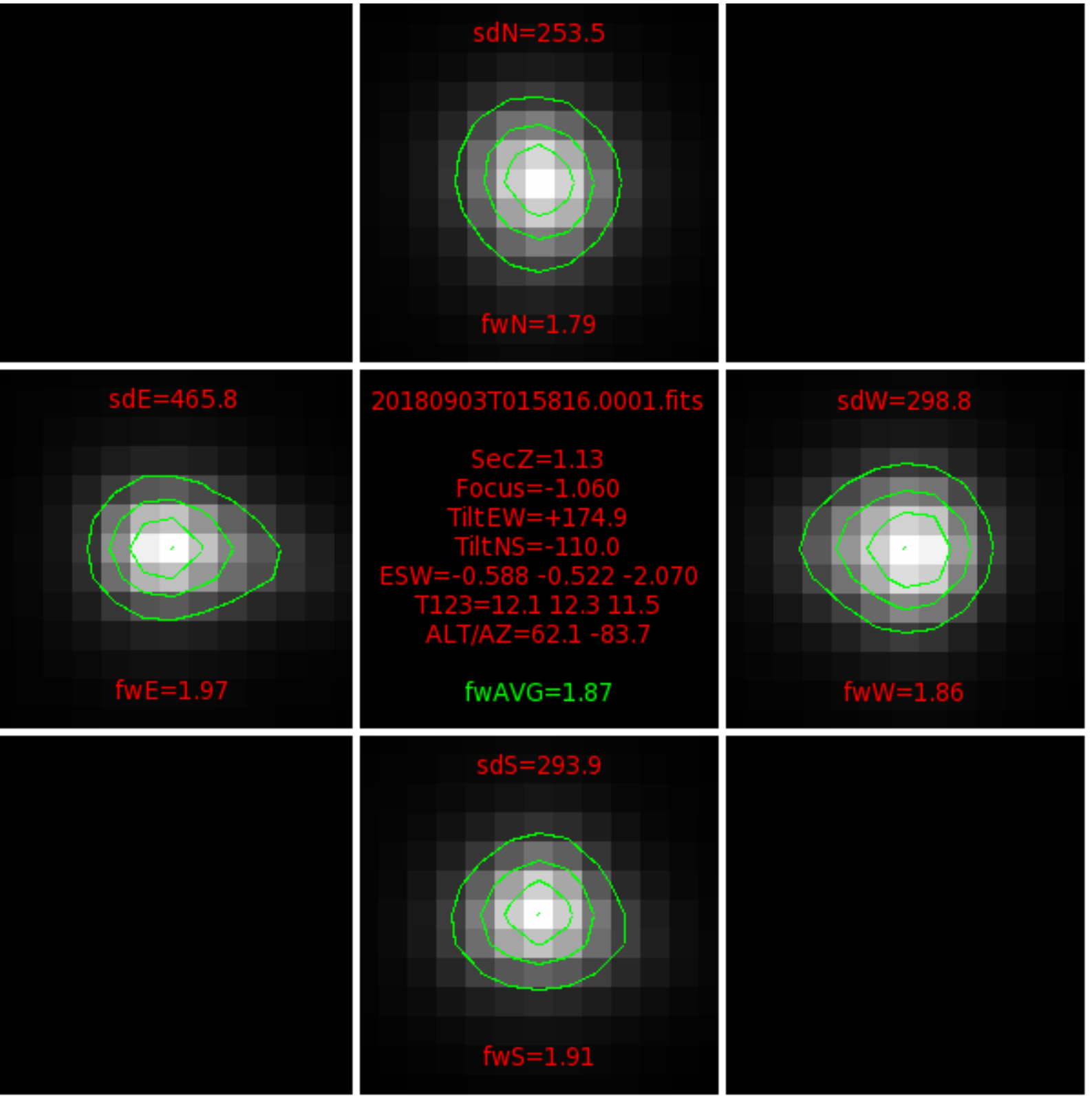
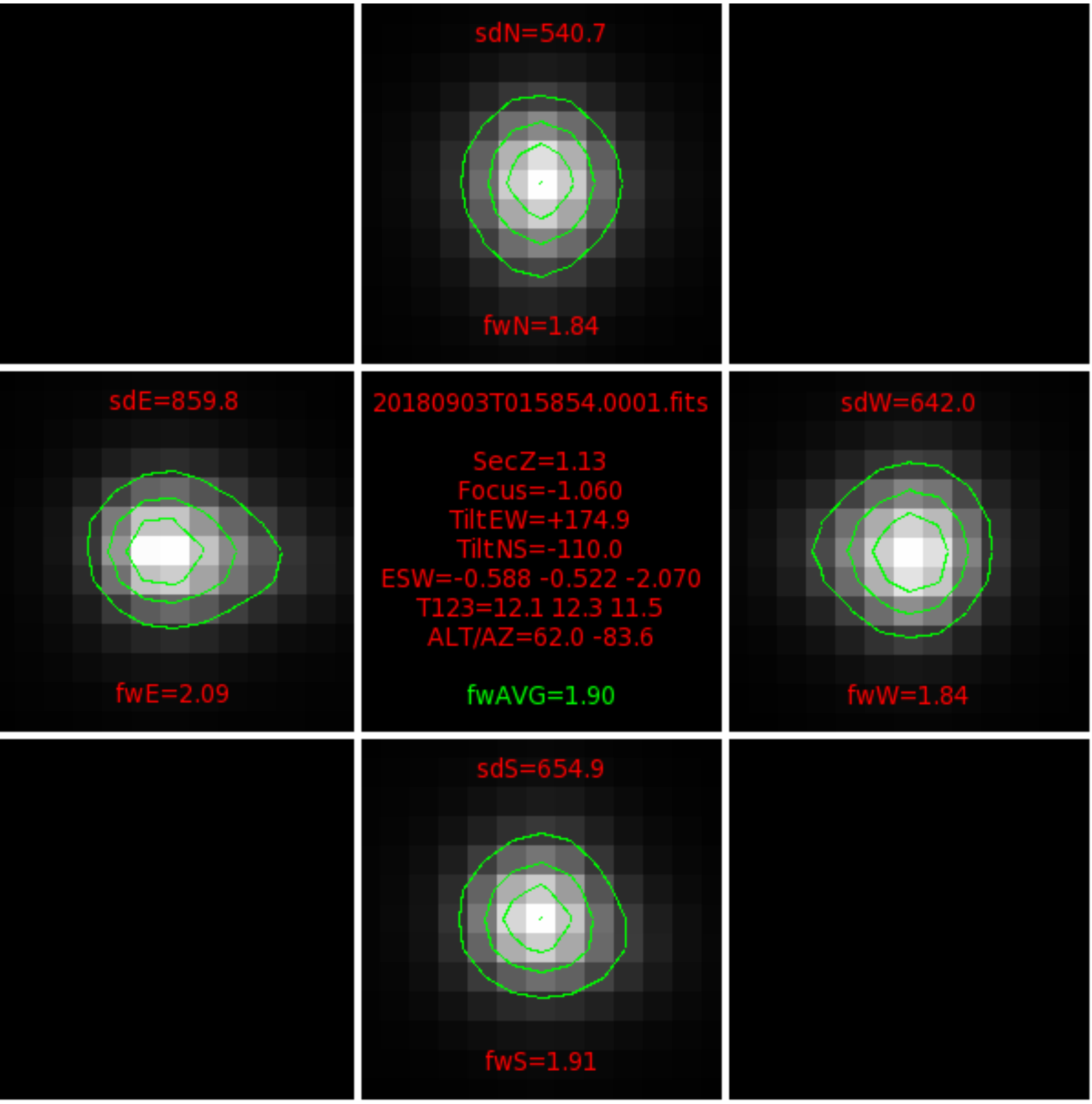
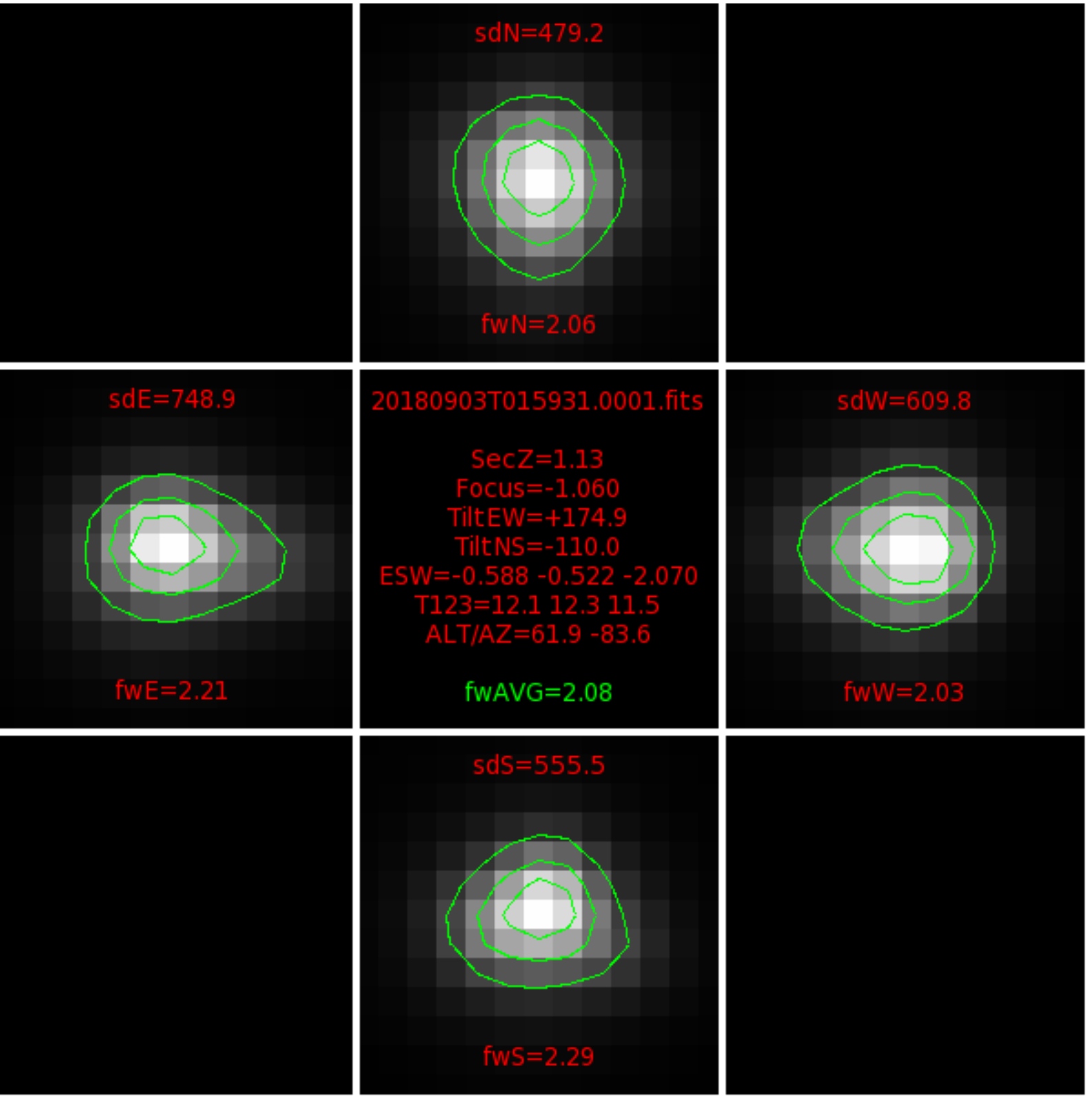

sdN=253.5
fwN=1.79
sdE=465.8
fwE=1.97
20180903T015816.0001.fits
SecZ=1.13
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.1 12.3 11.5
ALT/AZ=62.1 -83.7
fwAVG=1.87
sdW=298.8
fwW=1.86
sdS=293.9
fwS=1.91
0 0 0 0 0 0 0 0 0


sdN=540.7
fwN=1.84
sdE=859.8
fwE=2.09
20180903T015854.0001.fits
SecZ=1.13
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.1 12.3 11.5
ALT/AZ=62.0 -83.6
fwAVG=1.90
sdW=642.0
fwW=1.84
sdS=654.9
fwS=1.91
0 0 0 0 0 0 0 0 0


sdN=479.2
fwN=2.06
sdE=748.9
fwE=2.21
20180903T015931.0001.fits
SecZ=1.13
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.1 12.3 11.5
ALT/AZ=61.9 -83.6
fwAVG=2.08
sdW=609.8
fwW=2.03
sdS=555.5
fwS=2.29
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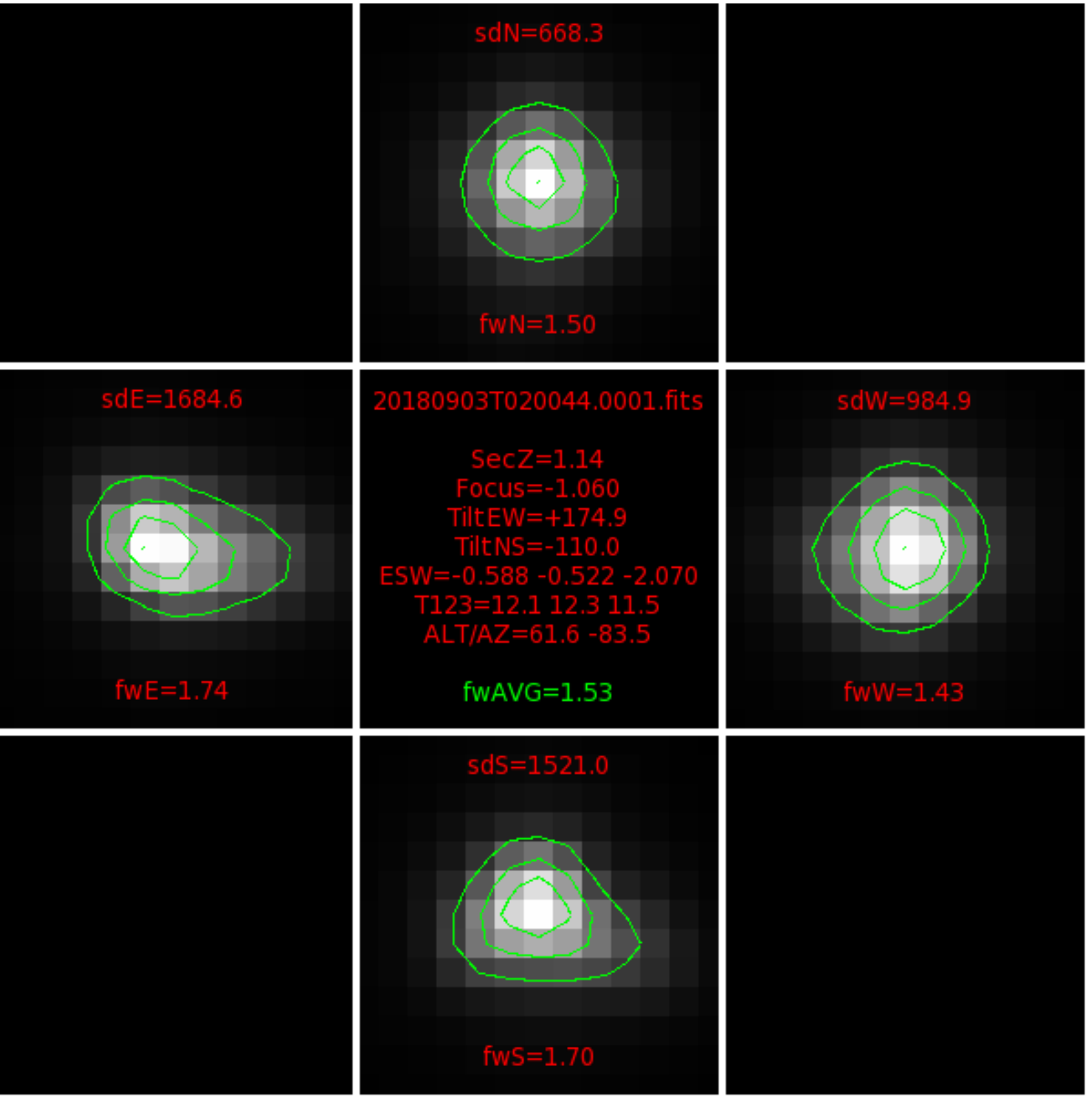
sdN=668.3
fwN=1.50
sdE=1684.6
fwE=1.74
20180903T020044.0001.fits
SecZ=1.14
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.1 12.3 11.5
ALT/AZ=61.6 -83.5
fwAVG=1.53
sdW=984.9
fwW=1.43
sdS=1521.0
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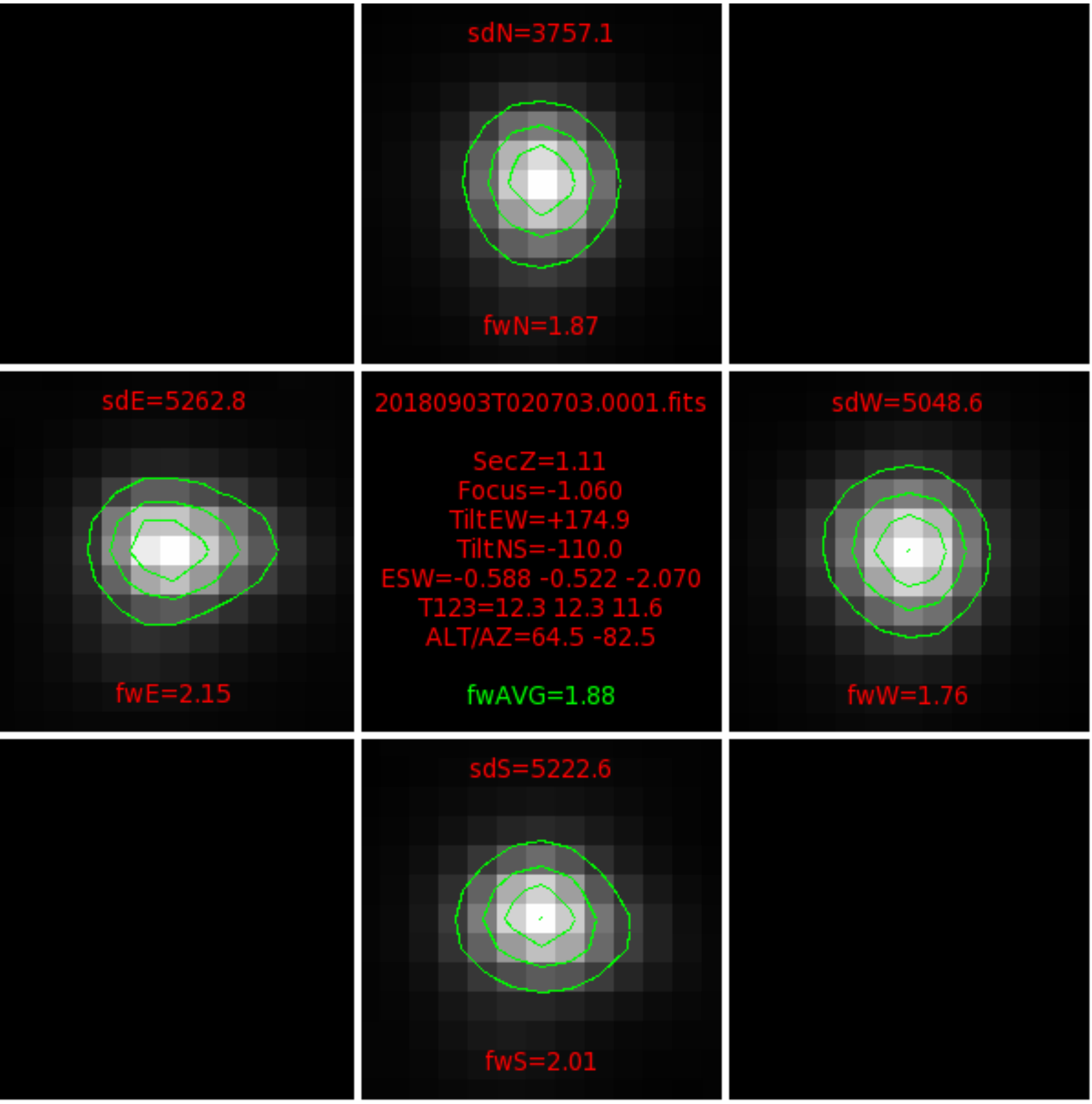
sdN=3757.1
fwN=1.87
sdE=5262.8
fwE=2.15
20180903T020703.0001.fits
SecZ=1.11
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.3 12.3 11.6
ALT/AZ=64.5 -82.5
fwAVG=1.88
sdW=5048.6
fwW=1.76
sdS=5222.6
fwS=2.01
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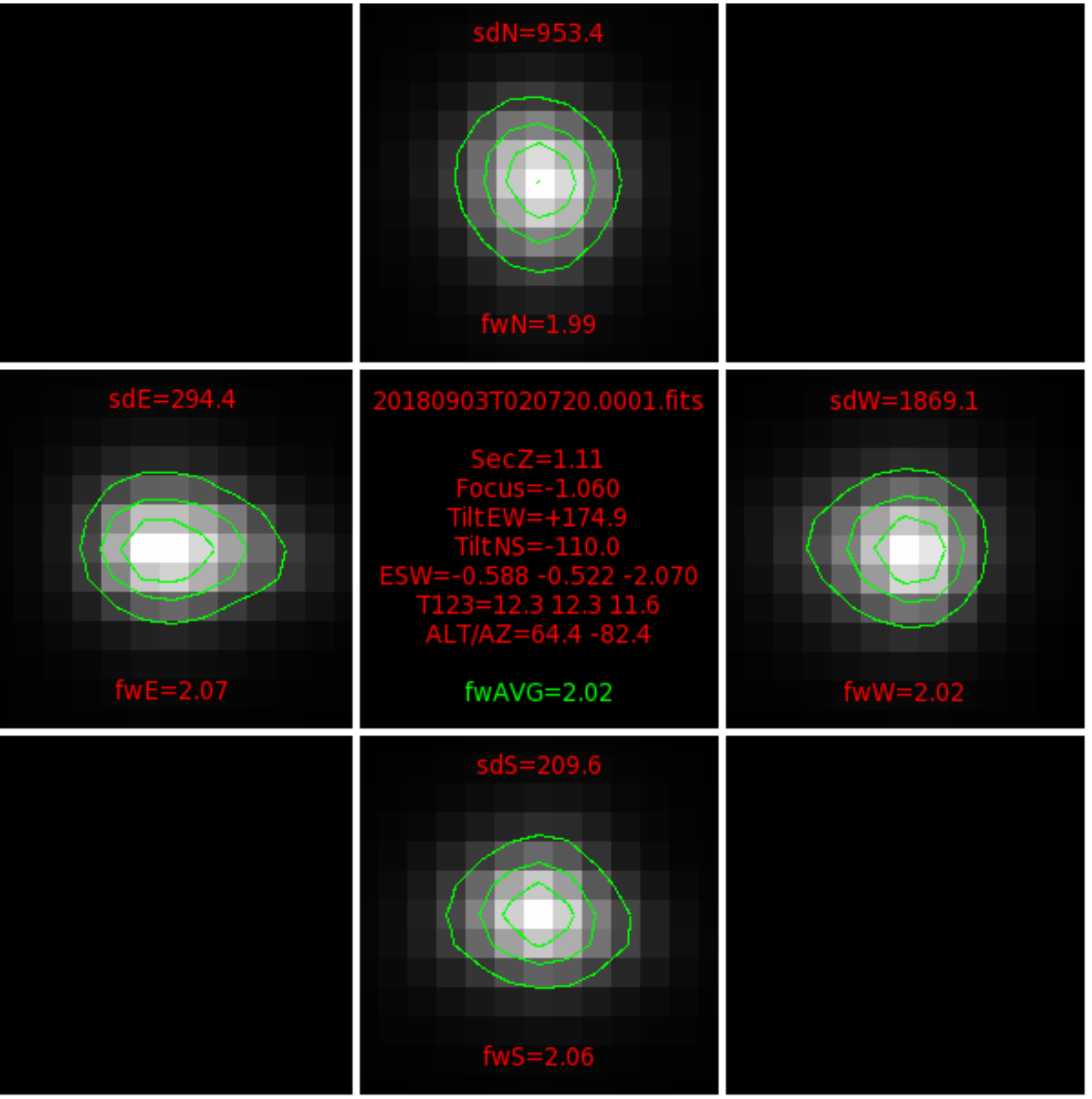
sdN=953.4
fwN=1.99
sdE=294.4
fwE=2.07
20180903T020720.0001.fits
SecZ=1.11
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.3 12.3 11.6
ALT/AZ=64.4 -82.4
fwAVG=2.02
sdW=1869.1
fwW=2.02
sdS=209.6
fwS=2.06
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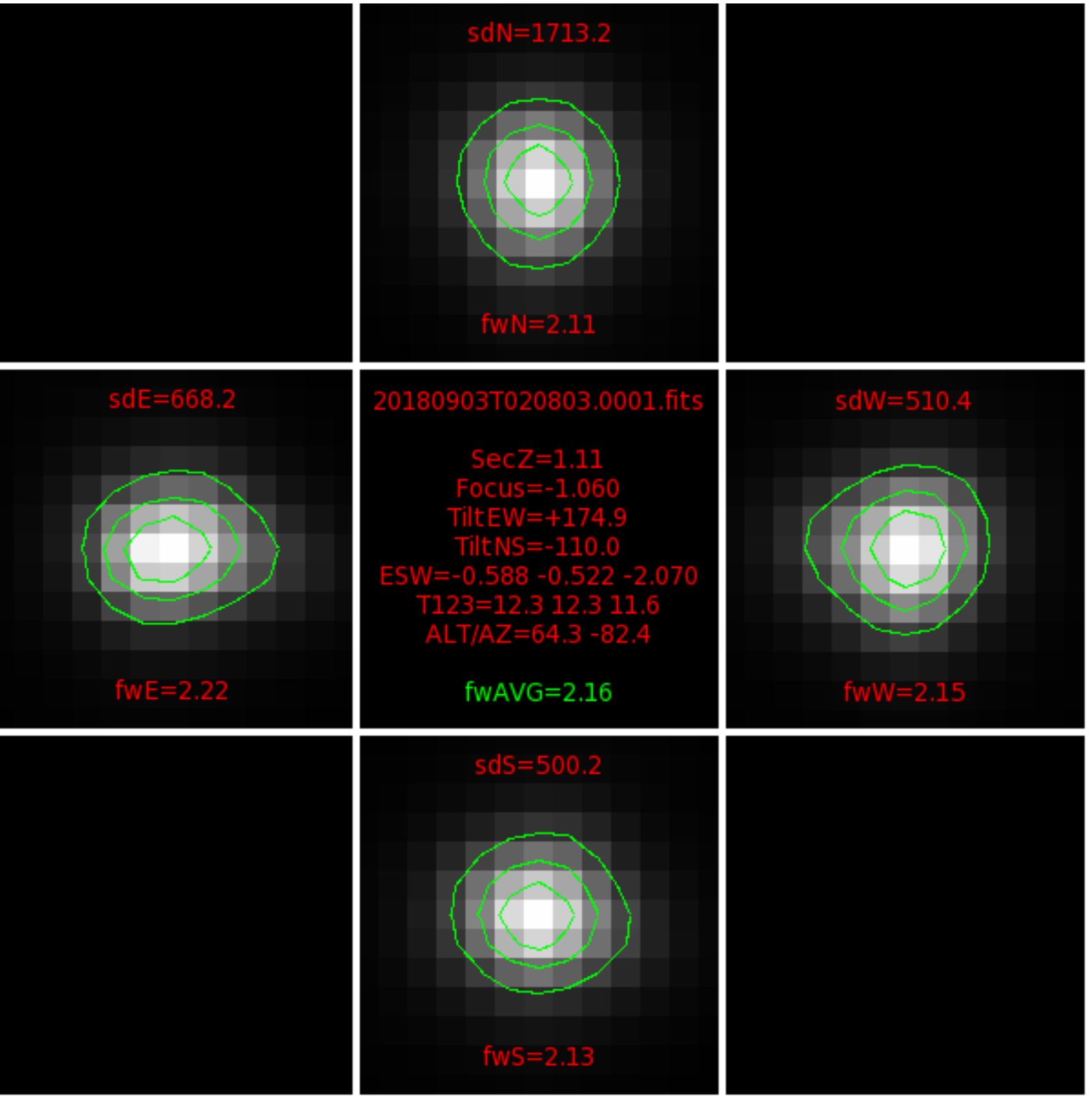
sdN=1713.2
fwN=2.11
sdE=668.2
fwE=2.22
20180903T020803.0001.fits
SecZ=1.11
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.3 12.3 11.6
ALT/AZ=64.3 -82.4
fwAVG=2.16
sdW=510.4
fwW=2.15
sdS=500.2
fwS=2.13
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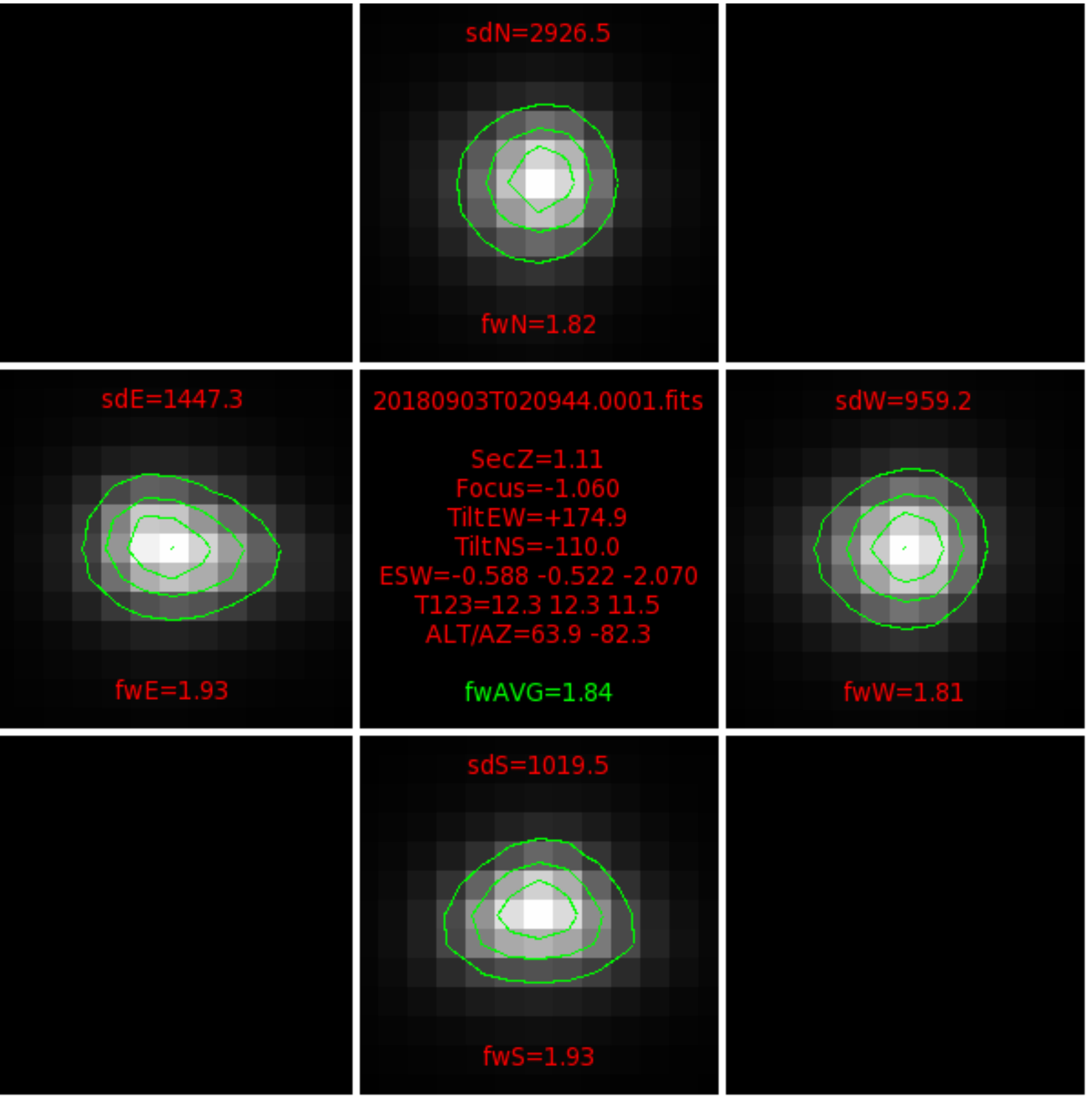
sdN=2926.5
fwN=1.82
sdE=1447.3
fwE=1.93
20180903T020944.0001.fits
SecZ=1.11
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.3 12.3 11.5
ALT/AZ=63.9 -82.3
fwAVG=1.84
sdW=959.2
fwW=1.81
sdS=1019.5
fwS=1.93
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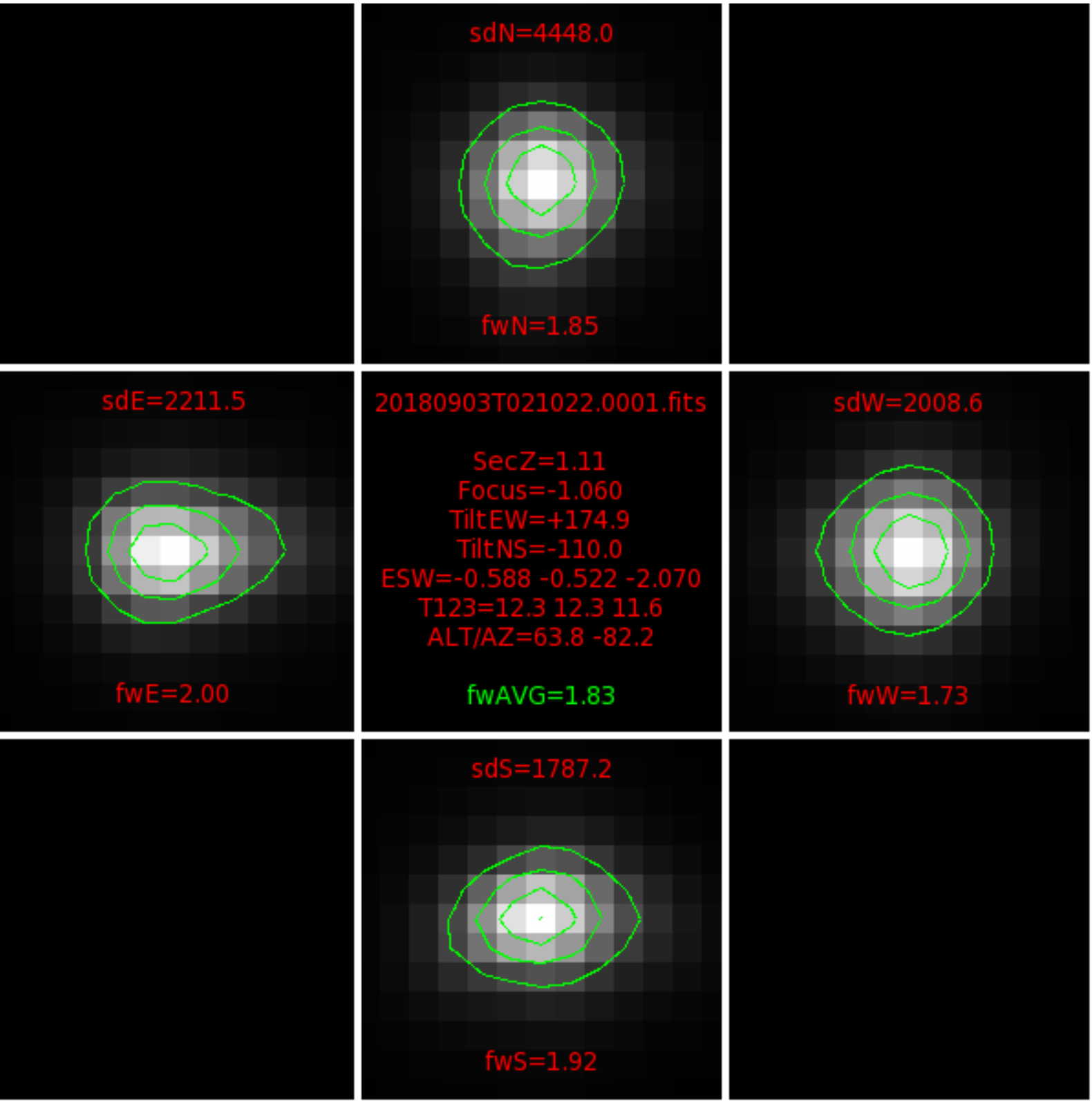
sdN=4448.0
fwN=1.85
sdE=2211.5
fwE=2.00
20180903T021022.0001.fits
SecZ=1.11
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.3 12.3 11.6
ALT/AZ=63.8 -82.2
fwAVG=1.83
sdW=2008.6
fwW=1.73
sdS=1787.2
fwS=1.92
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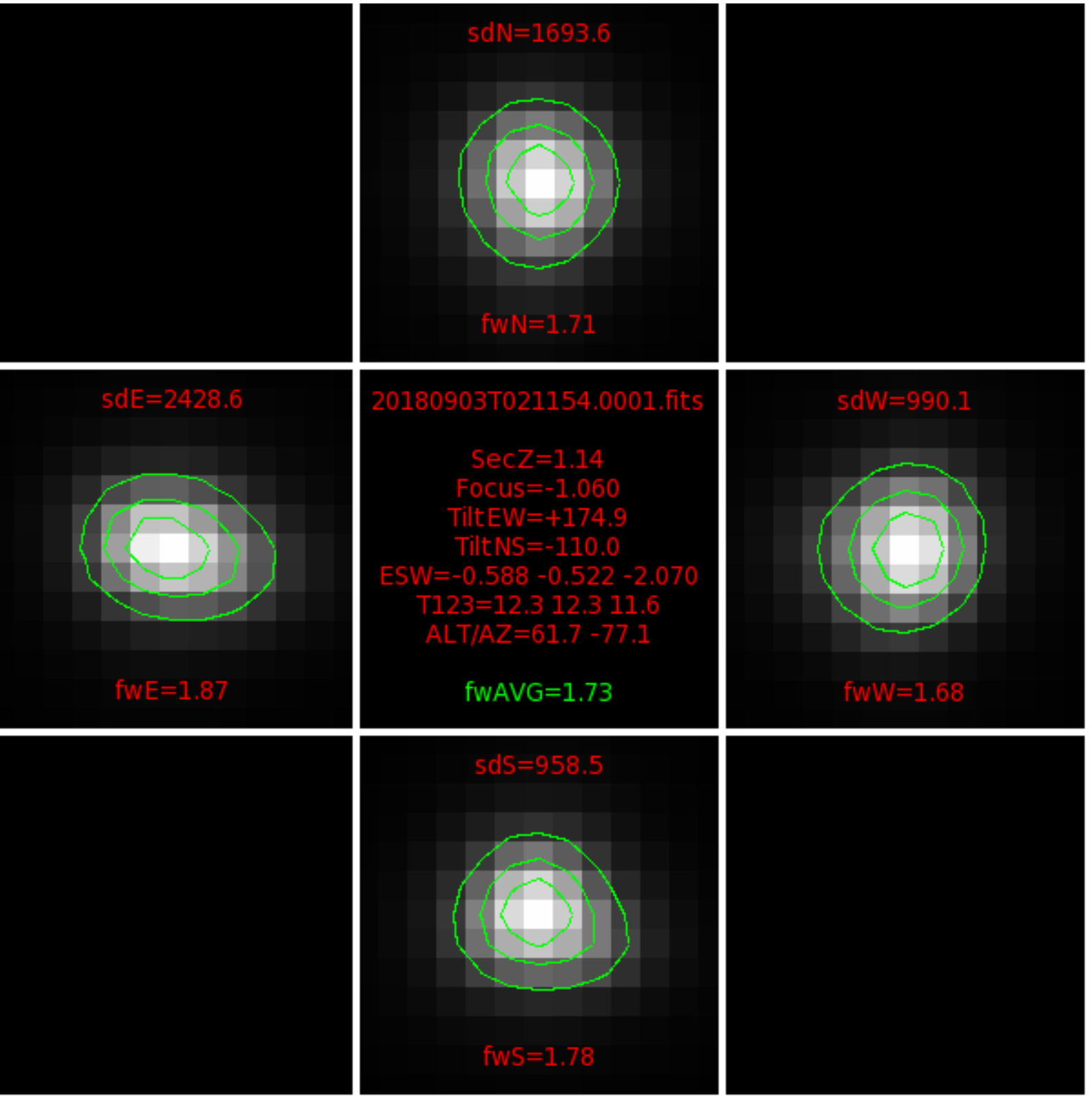
sdN=1693.6
fwN=1.71
sdE=2428.6
fwE=1.87
20180903T021154.0001.fits
SecZ=1.14
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.3 12.3 11.6
ALT/AZ=61.7 -77.1
fwAVG=1.73
sdW=990.1
fwW=1.68
sdS=958.5
fwS=1.78
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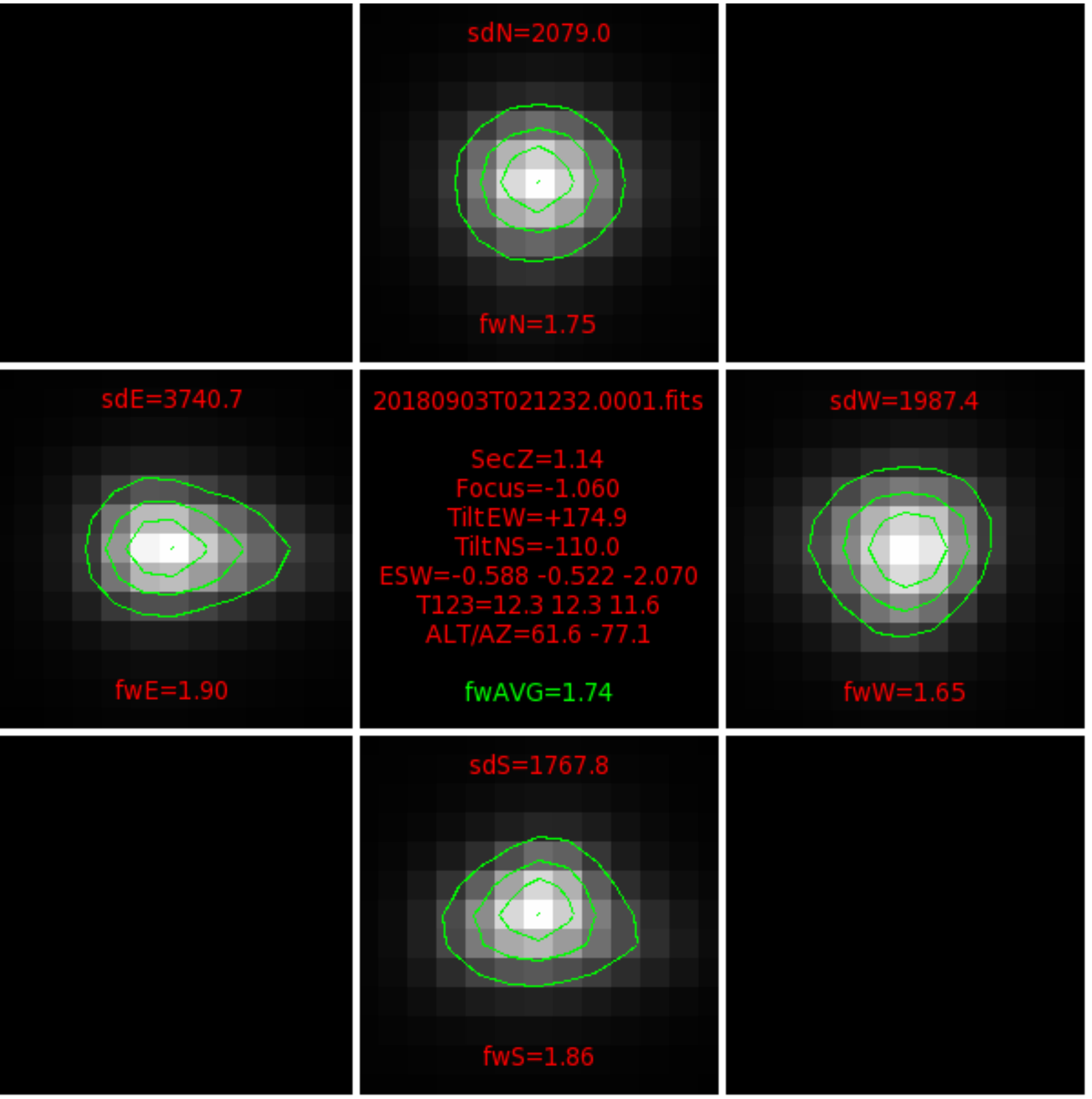
sdN=2079.0
fwN=1.75
sdE=3740.7
fwE=1.90
20180903T021232.0001.fits
SecZ=1.14
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.3 12.3 11.6
ALT/AZ=61.6 -77.1
fwAVG=1.74
sdW=1987.4
fwW=1.65
sdS=1767.8
fwS=1.86
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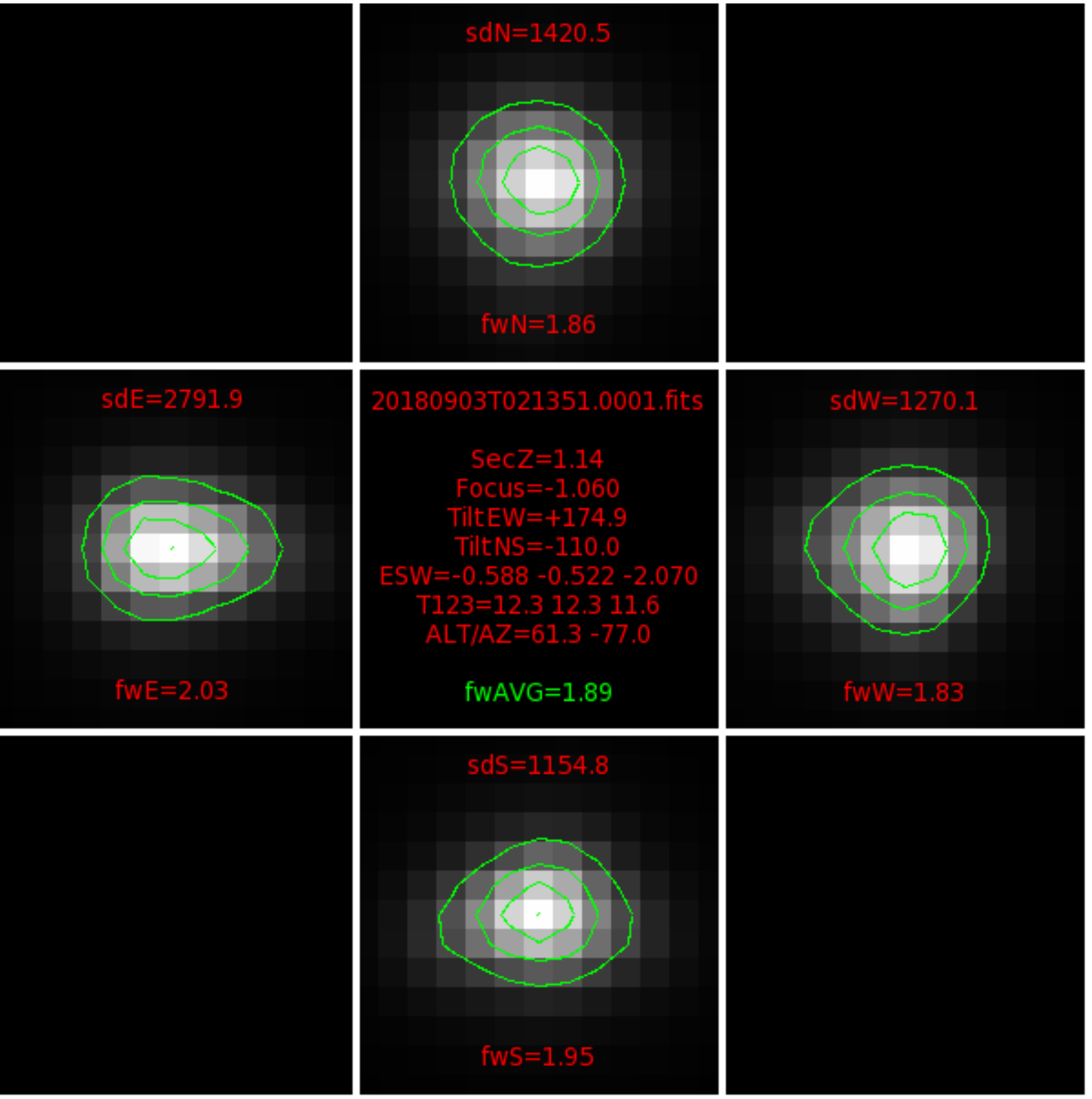
sdN=1420.5
fwN=1.86
sdE=2791.9
fwE=2.03
20180903T021351.0001.fits
SecZ=1.14
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.3 12.3 11.6
ALT/AZ=61.3 -77.0
fwAVG=1.89
sdW=1270.1
fwW=1.83
sdS=1154.8
fwS=1.95
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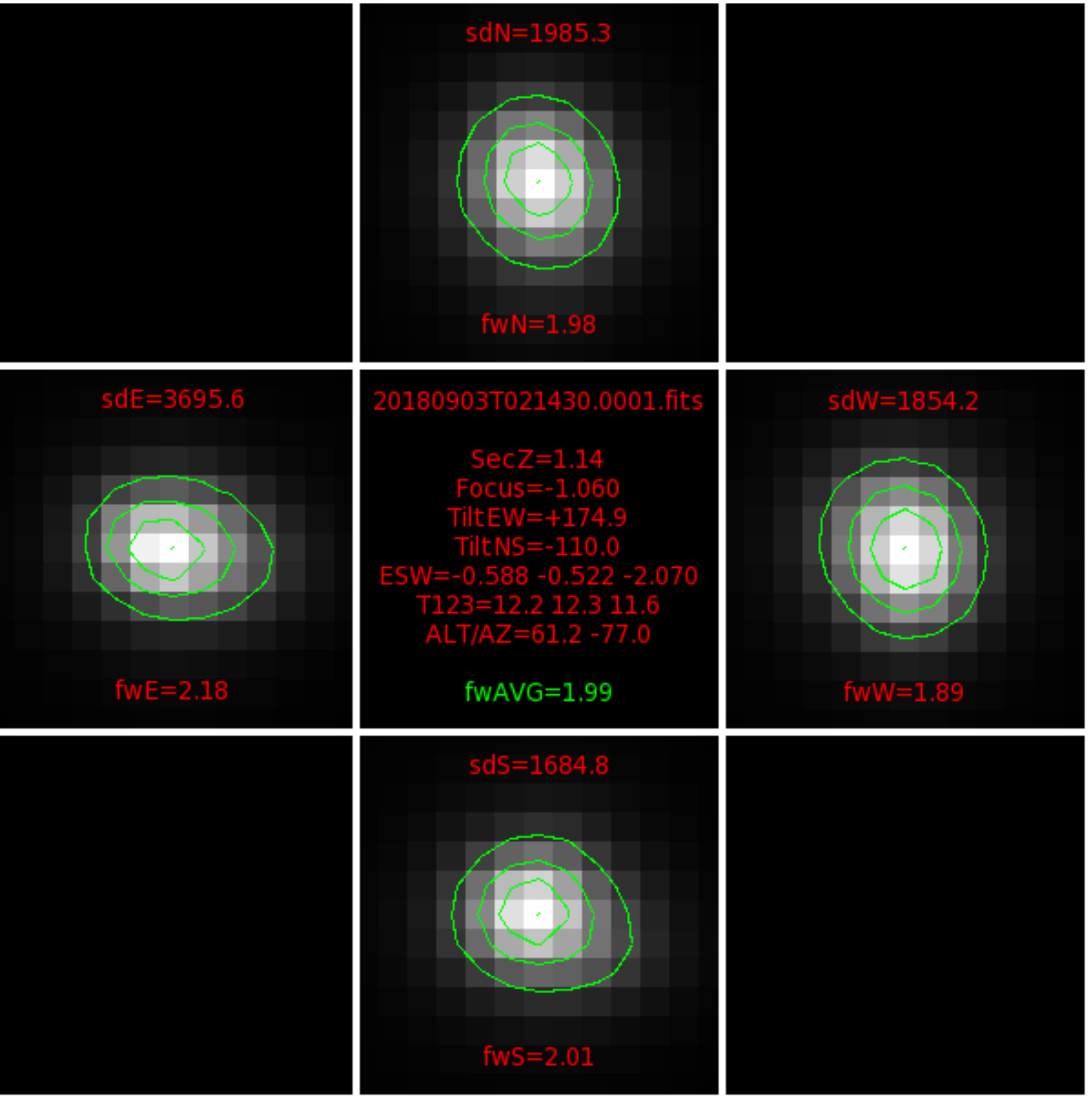
sdN=1985.3
fwN=1.98
sdE=3695.6
fwE=2.18
20180903T021430.0001.fits
SecZ=1.14
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.2 12.3 11.6
ALT/AZ=61.2 -77.0
fwAVG=1.99
sdW=1854.2
fwW=1.89
sdS=1684.8
fwS=2.01
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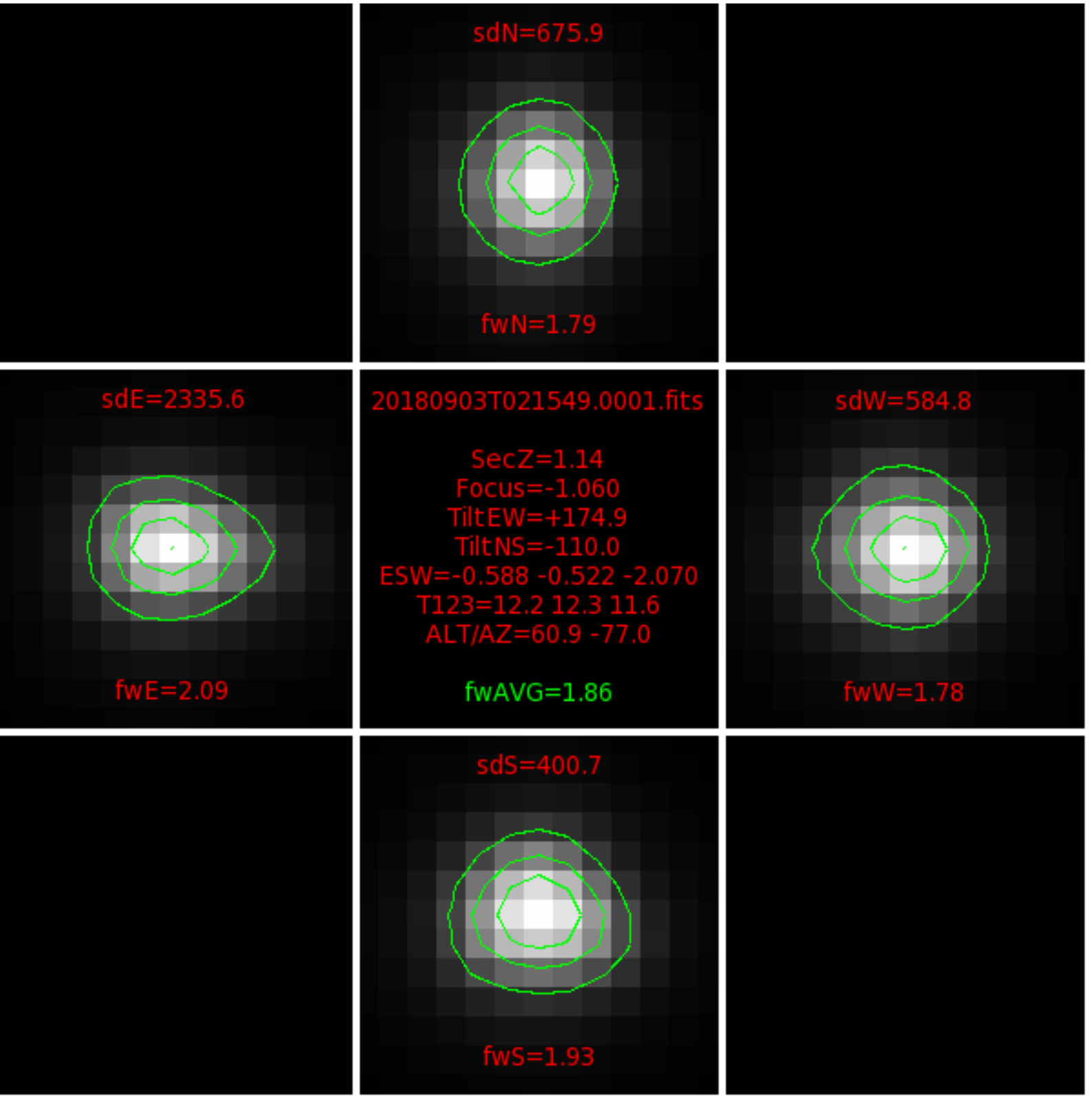
sdN=675.9
fwN=1.79
sdE=2335.6
fwE=2.09
20180903T021549.0001.fits
SecZ=1.14
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.2 12.3 11.6
ALT/AZ=60.9 -77.0
fwAVG=1.86
sdW=584.8
fwW=1.78
sdS=400.7
fwS=1.93
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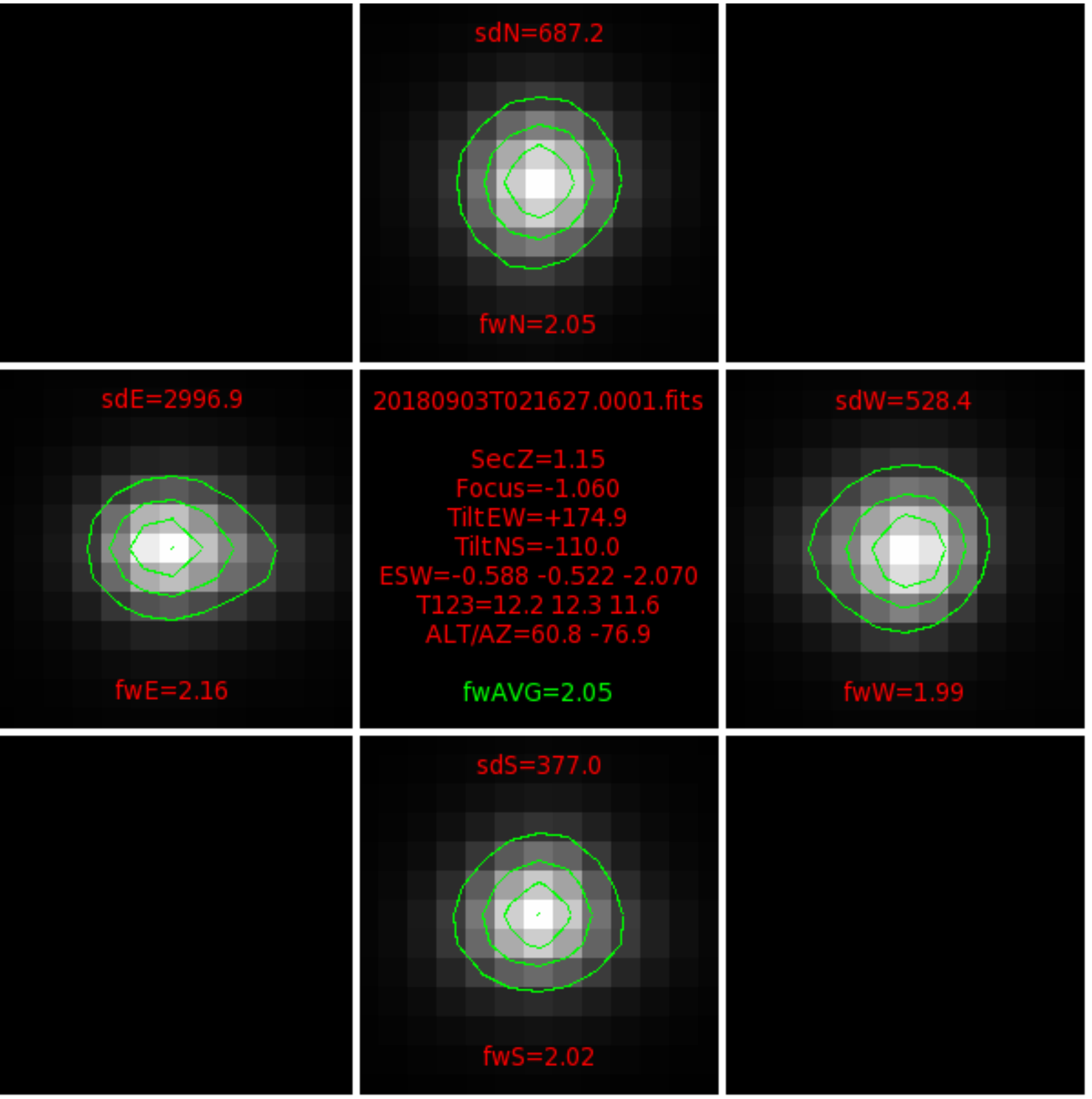
sdN=687.2
fwN=2.05
sdE=2996.9
fwE=2.16
20180903T021627.0001.fits
SecZ=1.15
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.2 12.3 11.6
ALT/AZ=60.8 -76.9
fwAVG=2.05
sdW=528.4
fwW=1.99
sdS=377.0
fwS=2.02
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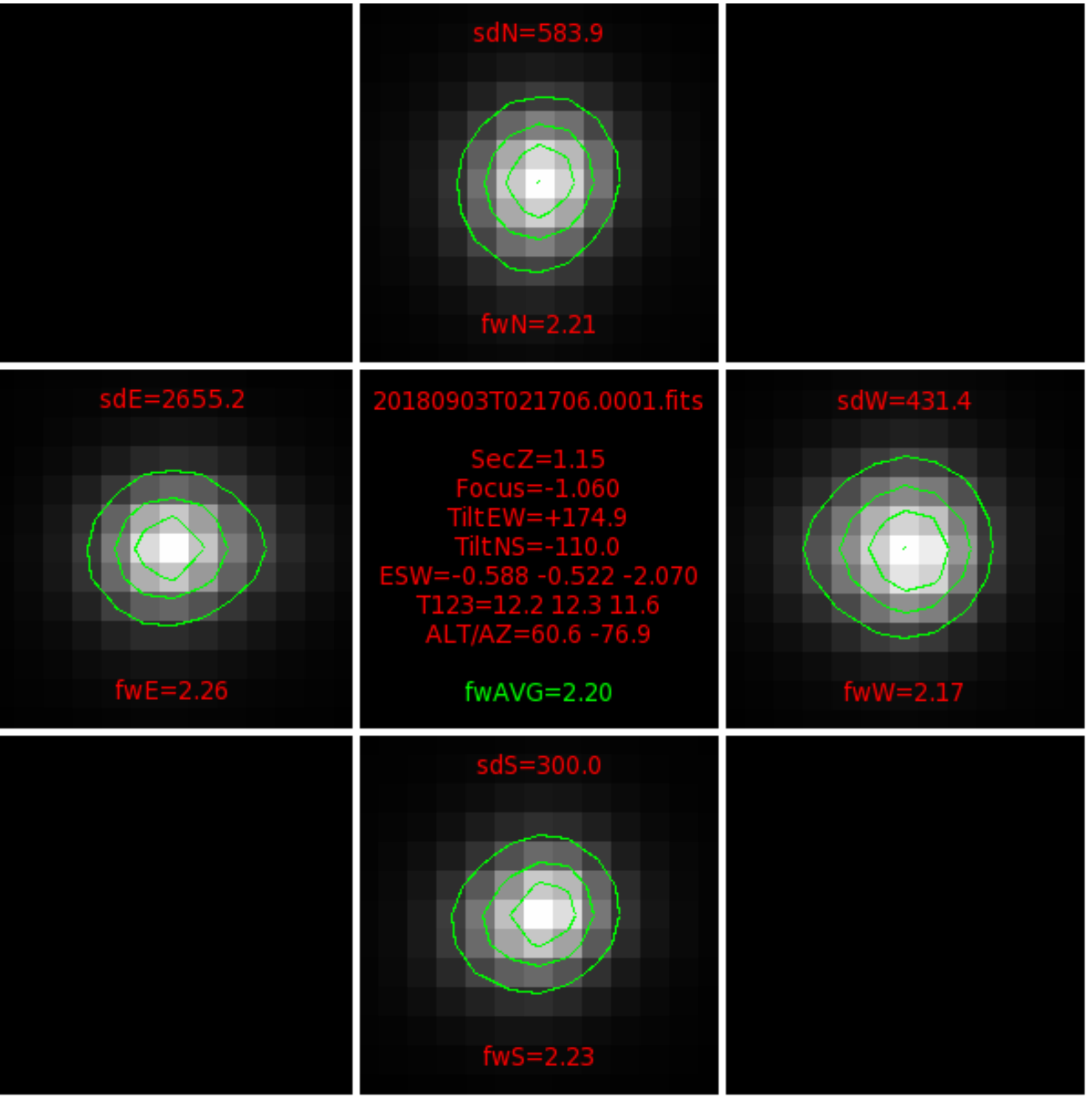
sdN=583.9
fwN=2.21
sdE=2655.2
fwE=2.26
20180903T021706.0001.fits
SecZ=1.15
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.2 12.3 11.6
ALT/AZ=60.6 -76.9
fwAVG=2.20
sdW=431.4
fwW=2.17
sdS=300.0
fwS=2.23
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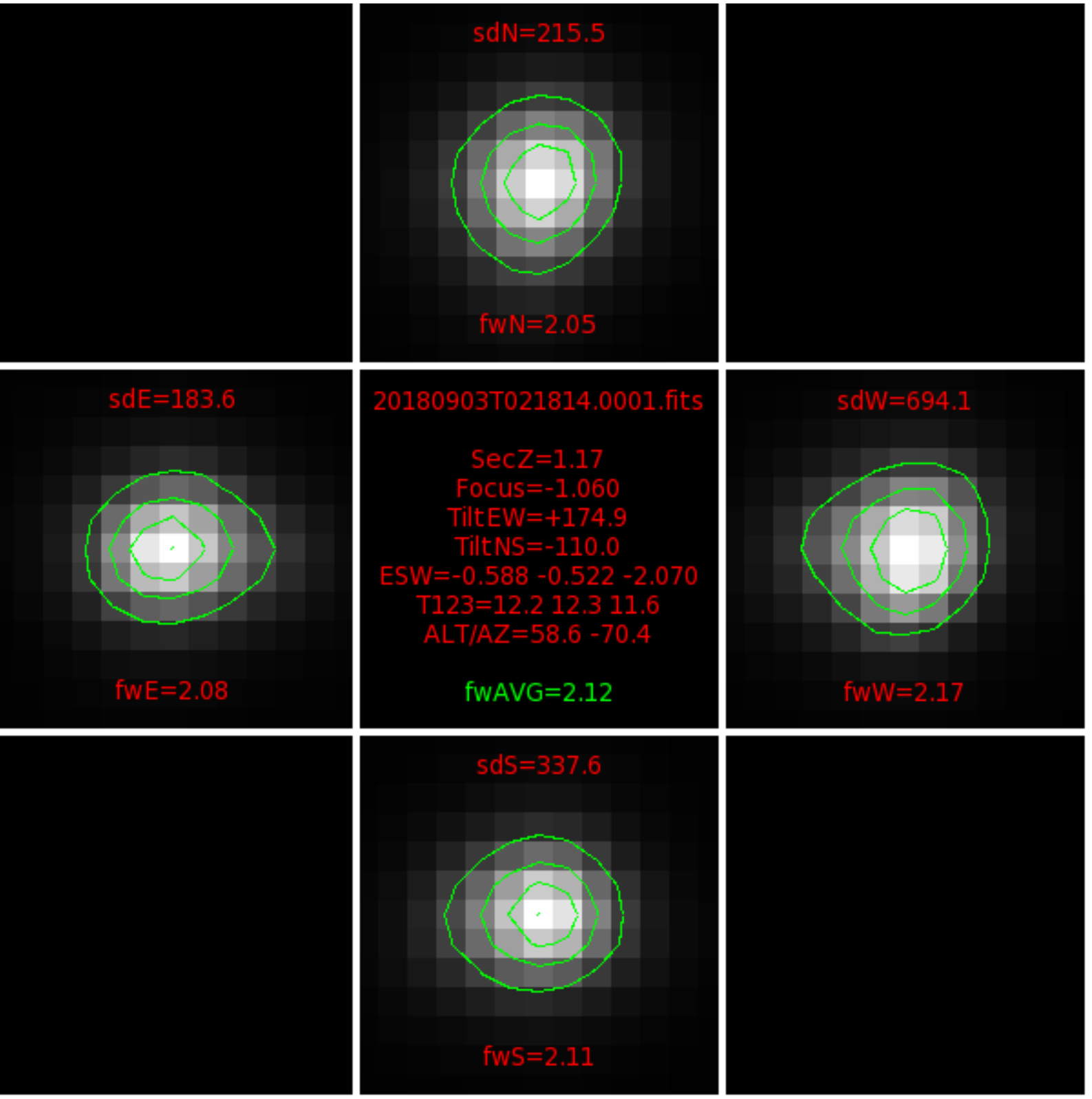
sdN=215.5
fwN=2.05
sdE=183.6
fwE=2.08
20180903T021814.0001.fits
SecZ=1.17
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.2 12.3 11.6
ALT/AZ=58.6 -70.4
fwAVG=2.12
sdW=694.1
fwW=2.17
sdS=337.6
fwS=2.11
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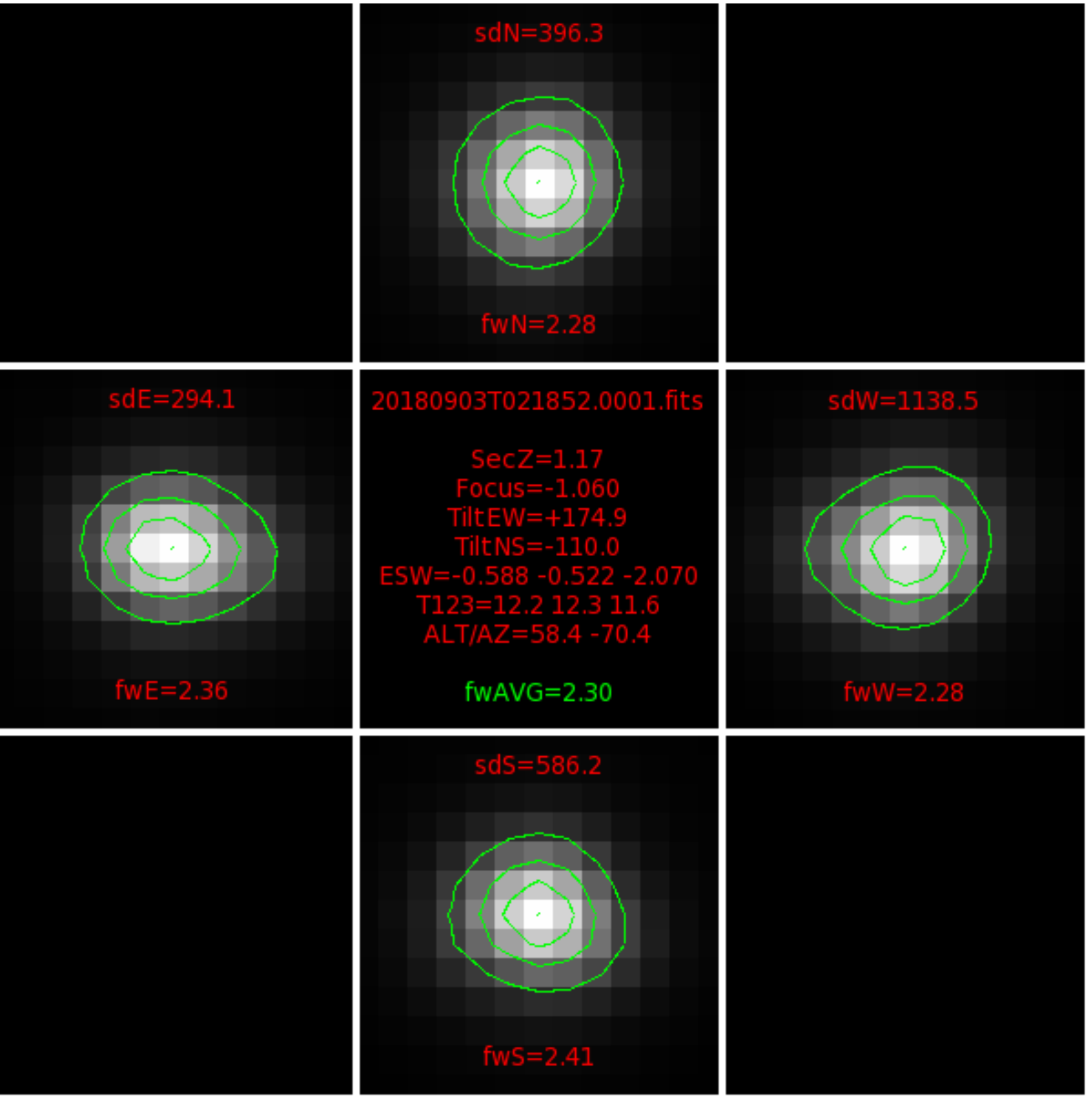
sdN=396.3
fwN=2.28
sdE=294.1
fwE=2.36
20180903T021852.0001.fits
SecZ=1.17
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.2 12.3 11.6
ALT/AZ=58.4 -70.4
fwAVG=2.30
sdW=1138.5
fwW=2.28
sdS=586.2
fwS=2.41
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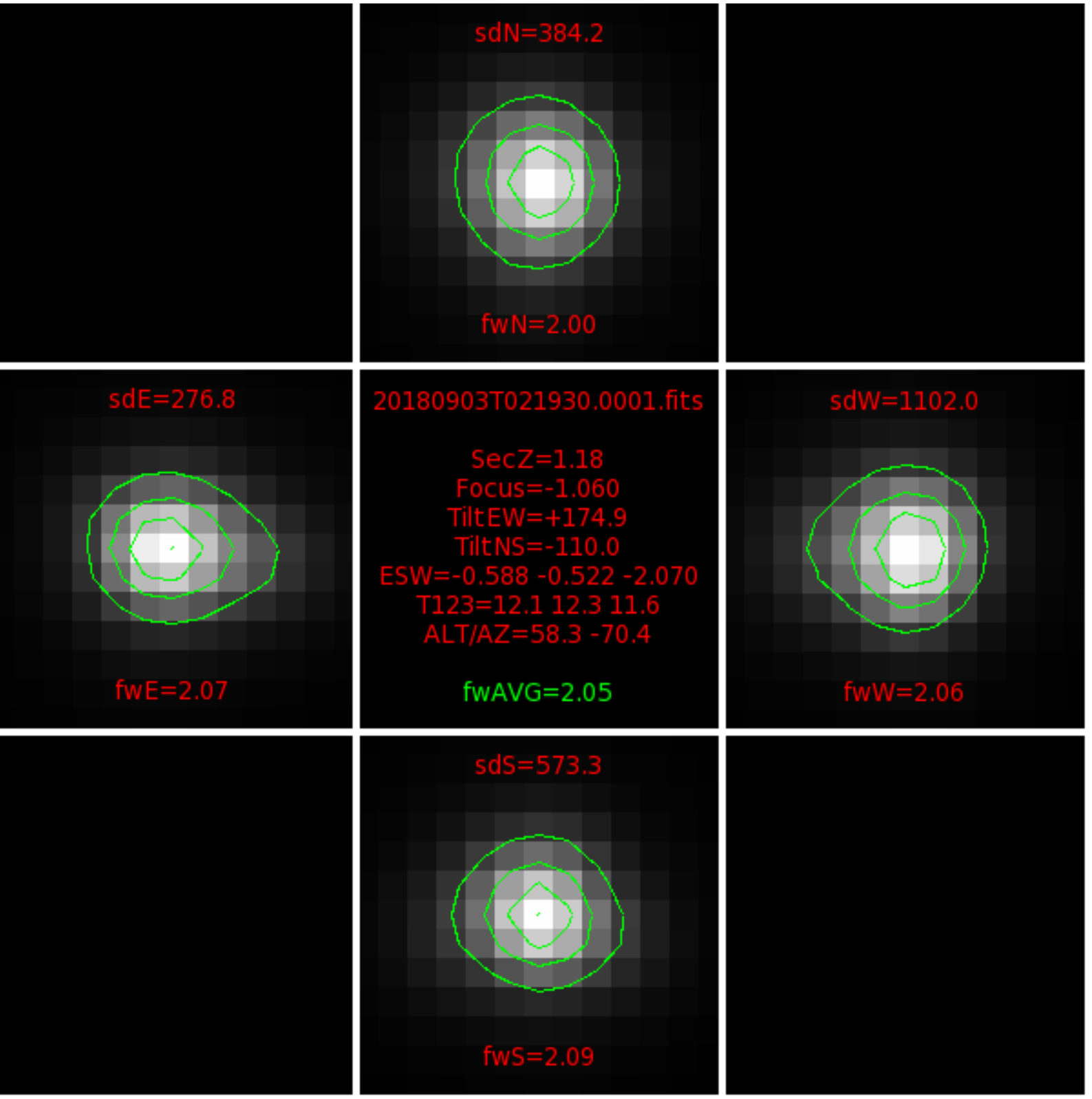
sdN=384.2
fwN=2.00
sdE=276.8
fwE=2.07
20180903T021930.0001.fits
SecZ=1.18
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.1 12.3 11.6
ALT/AZ=58.3 -70.4
fwAVG=2.05
sdW=1102.0
fwW=2.06
sdS=573.3
fwS=2.09
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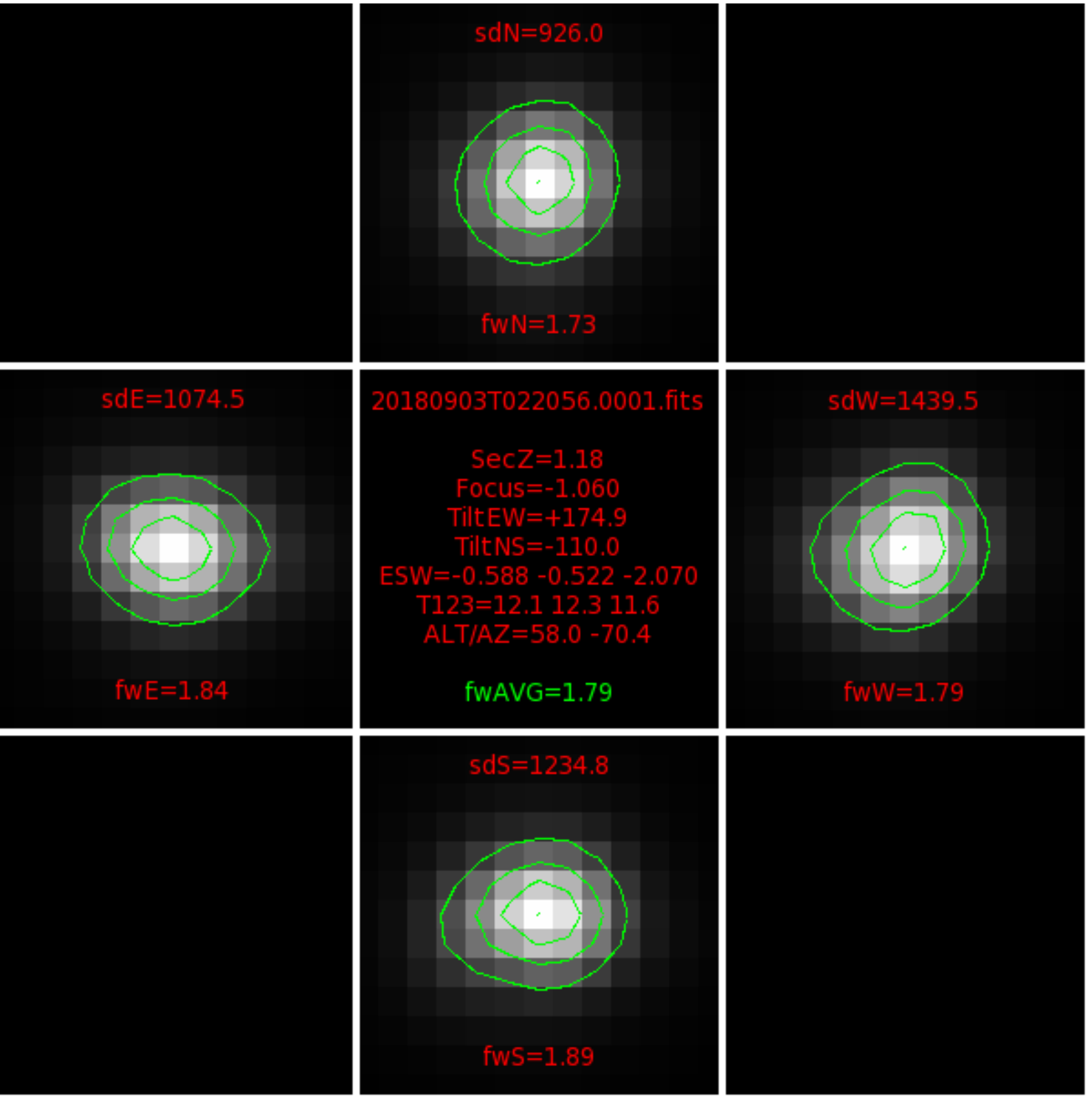
sdN=926.0
fwN=1.73
sdE=1074.5
fwE=1.84
20180903T022056.0001.fits
SecZ=1.18
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.1 12.3 11.6
ALT/AZ=58.0 -70.4
fwAVG=1.79
sdW=1439.5
fwW=1.79
sdS=1234.8
fwS=1.89
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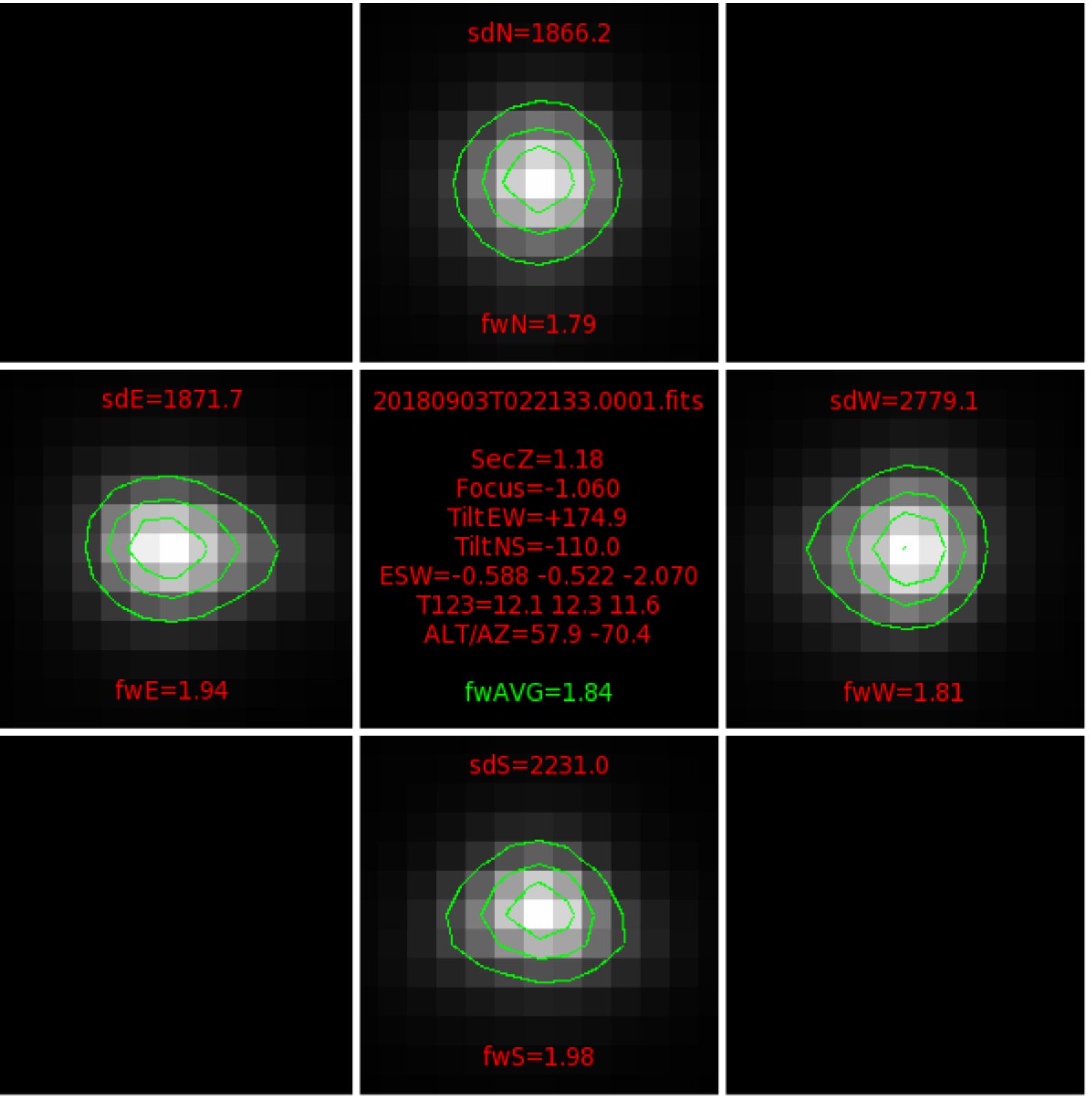
sdN=1866.2
fwN=1.79
sdE=1871.7
fwE=1.94
20180903T022133.0001.fits
SecZ=1.18
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.1 12.3 11.6
ALT/AZ=57.9 -70.4
fwAVG=1.84
sdW=2779.1
fwW=1.81
sdS=2231.0
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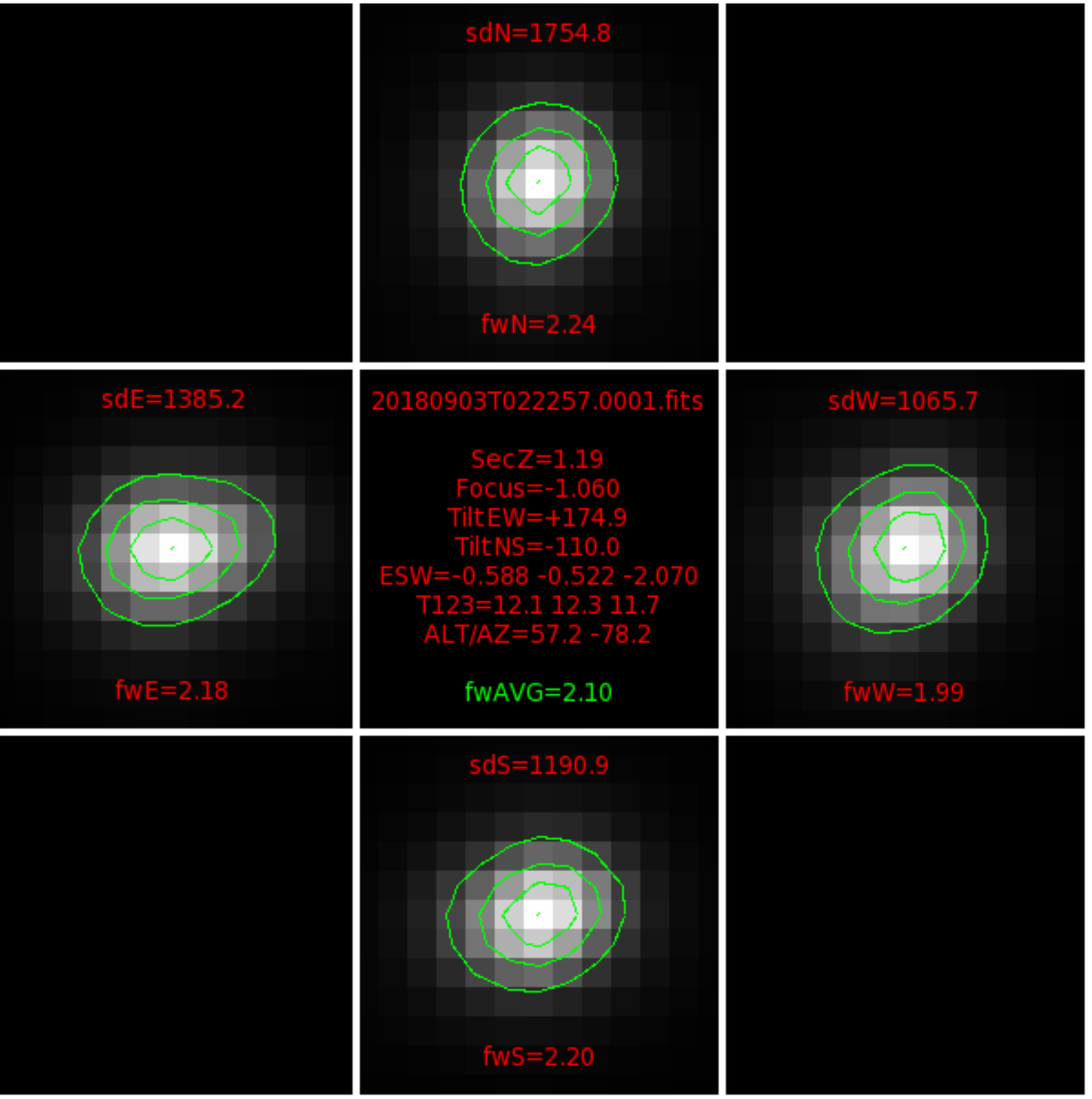
sdN=1754.8
fwN=2.24
sdE=1385.2
fwE=2.18
20180903T022257.0001.fits
SecZ=1.19
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.1 12.3 11.7
ALT/AZ=57.2 -78.2
fwAVG=2.10
sdW=1065.7
fwW=1.99
sdS=1190.9
fwS=2.20
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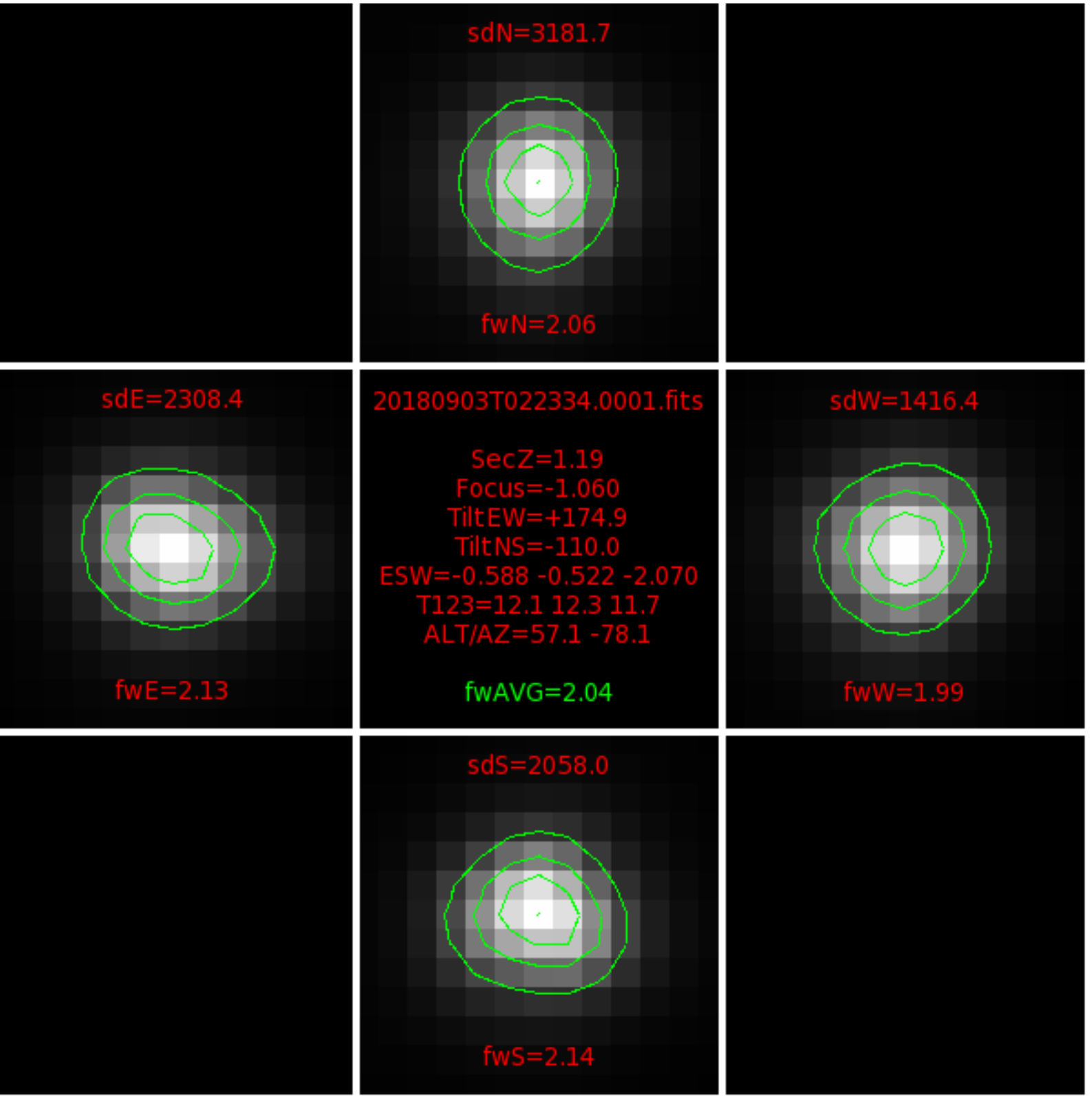
sdN=3181.7
fwN=2.06
sdE=2308.4
fwE=2.13
20180903T022334.0001.fits
SecZ=1.19
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.1 12.3 11.7
ALT/AZ=57.1 -78.1
fwAVG=2.04
sdW=1416.4
fwW=1.99
sdS=2058.0
fwS=2.14
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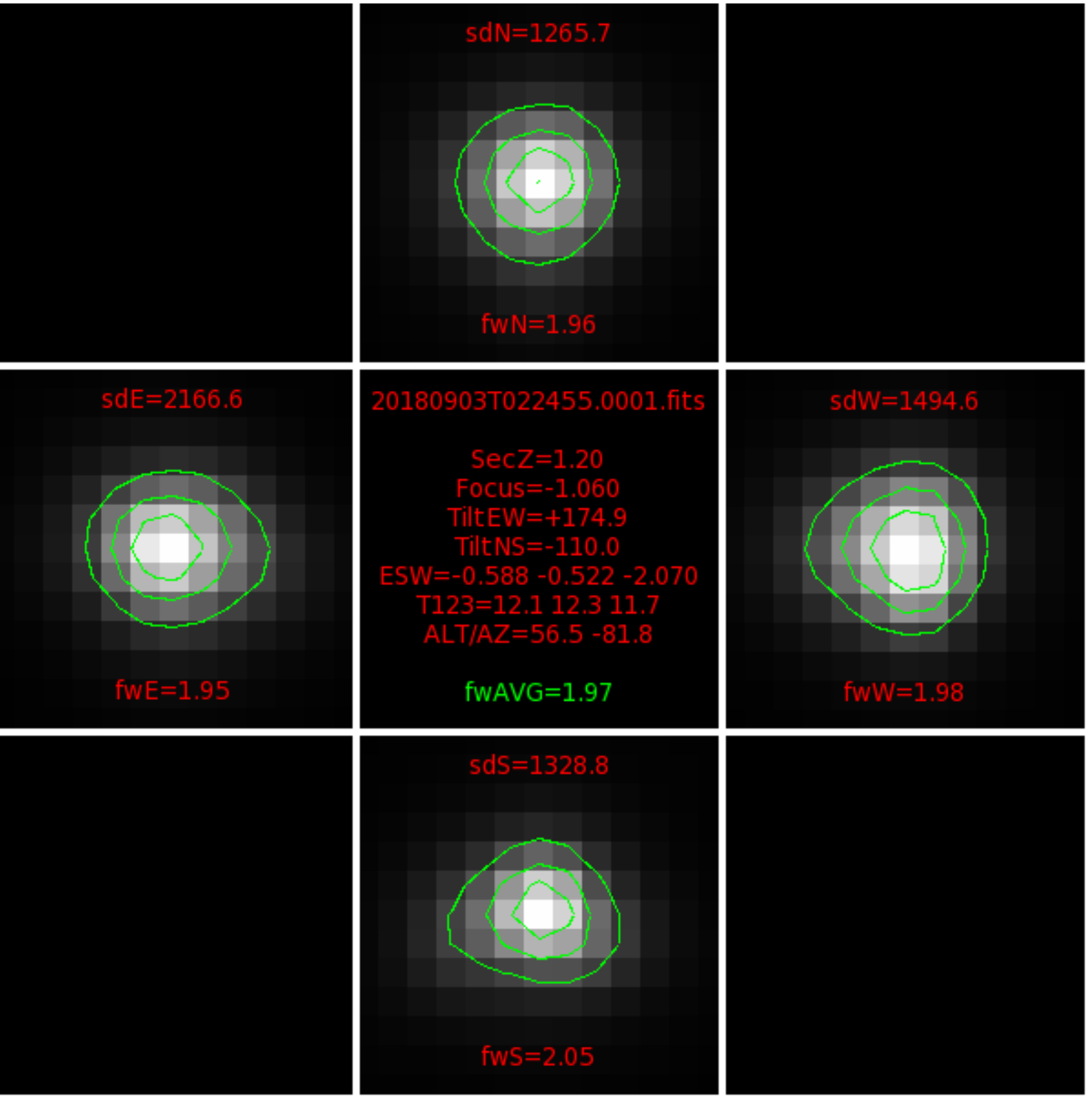
sdN=1265.7
fwN=1.96
sdE=2166.6
fwE=1.95
20180903T022455.0001.fits
SecZ=1.20
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.1 12.3 11.7
ALT/AZ=56.5 -81.8
fwAVG=1.97
sdW=1494.6
fwW=1.98
sdS=1328.8
fwS=2.05
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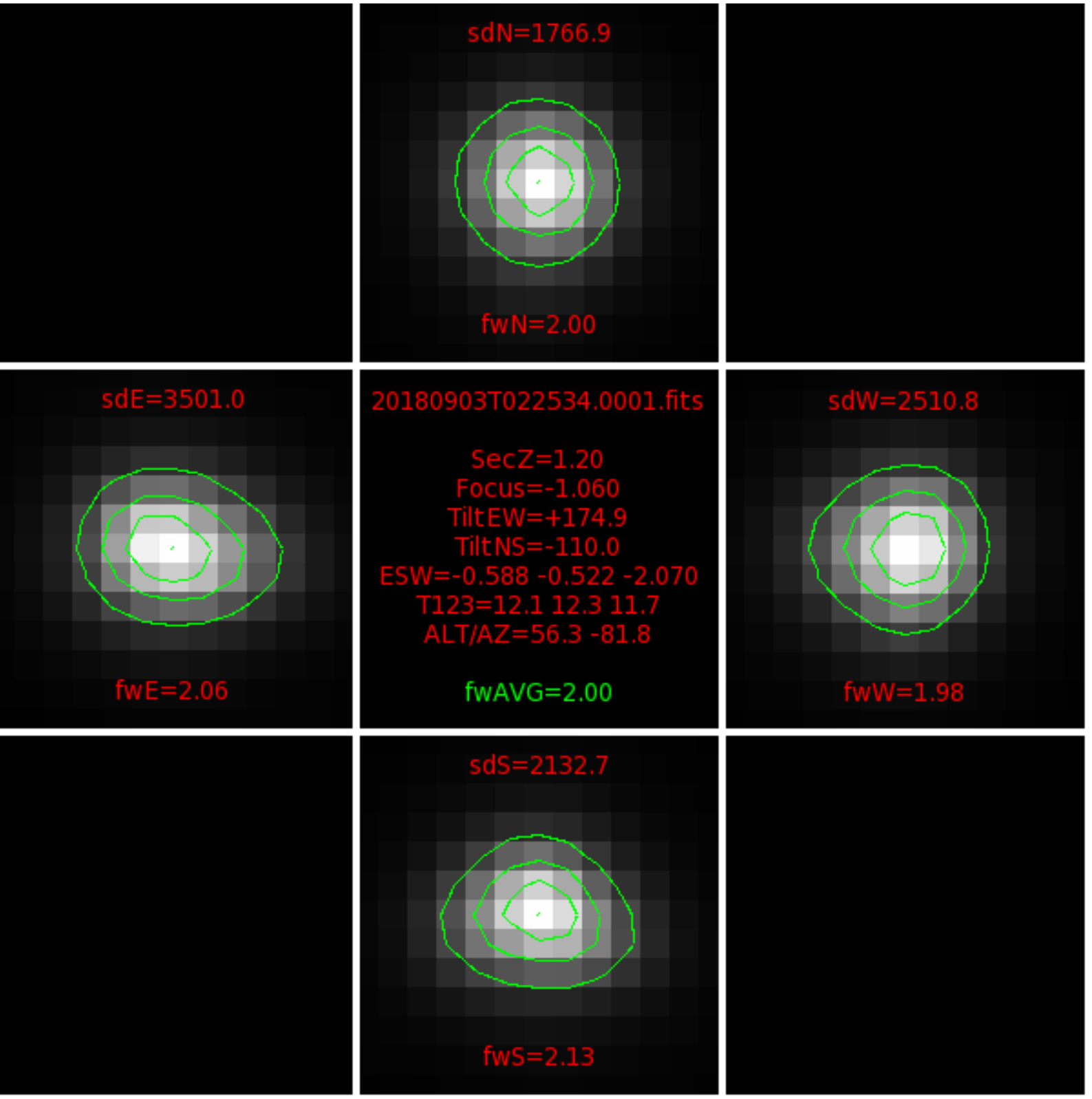
sdN=1766.9
fwN=2.00
sdE=3501.0
fwE=2.06
20180903T022534.0001.fits
SecZ=1.20
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.1 12.3 11.7
ALT/AZ=56.3 -81.8
fwAVG=2.00
sdW=2510.8
fwW=1.98
sdS=2132.7
fwS=2.13
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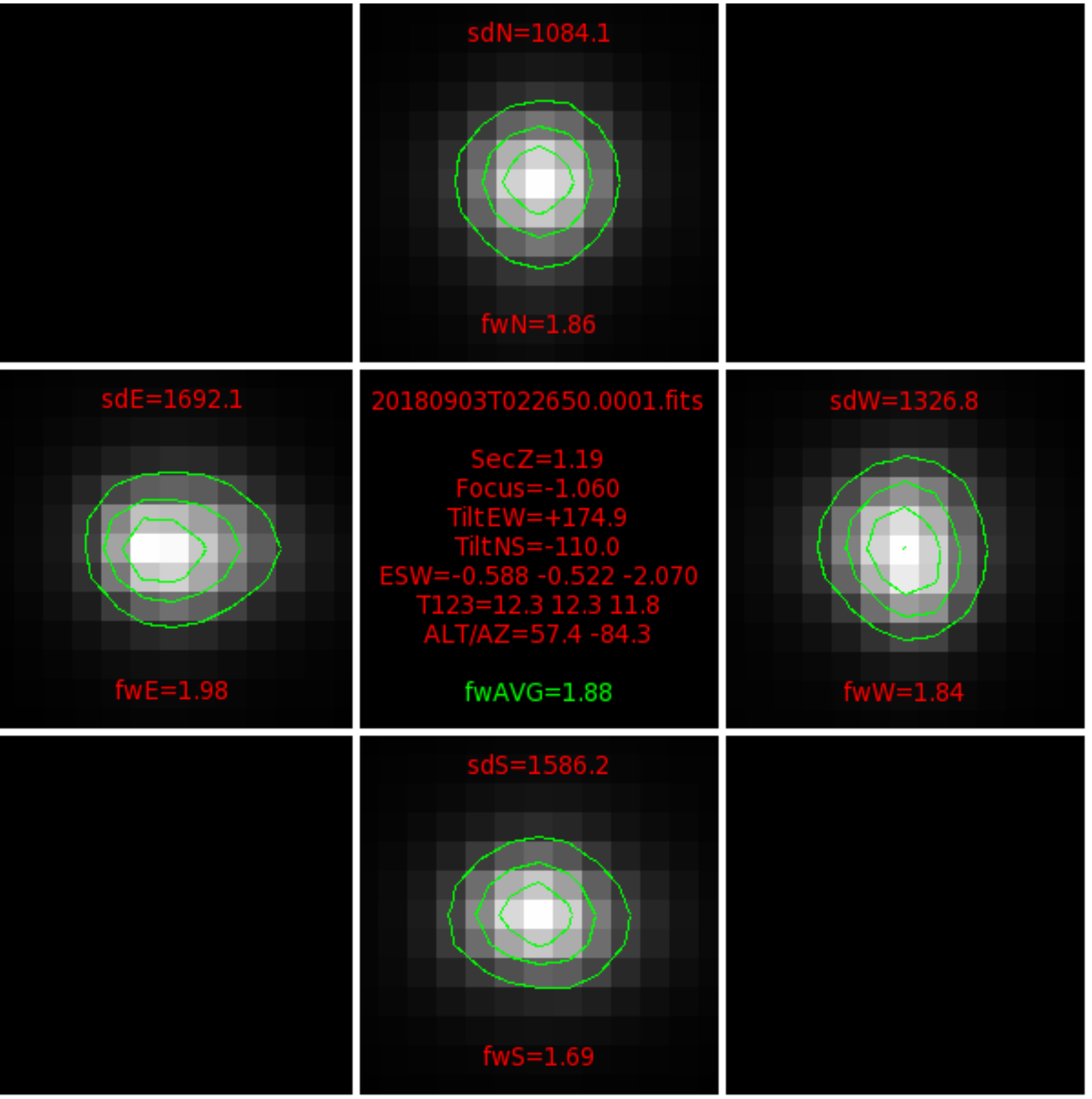
sdN=1084.1
fwN=1.86
sdE=1692.1
fwE=1.98
20180903T022650.0001.fits
SecZ=1.19
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.3 12.3 11.8
ALT/AZ=57.4 -84.3
fwAVG=1.88
sdW=1326.8
fwW=1.84
sdS=1586.2
fwS=1.69
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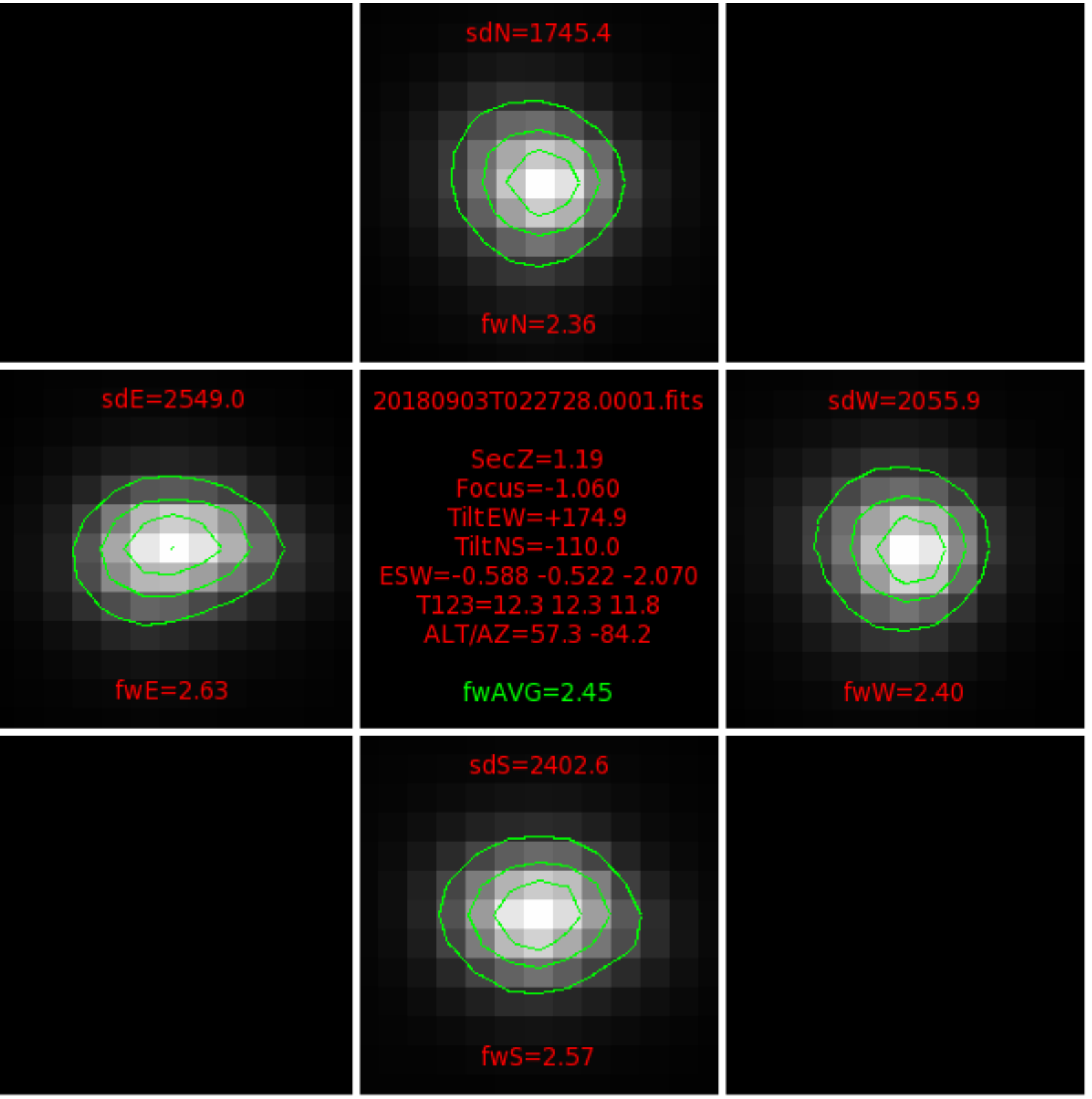
sdN=1745.4
fwN=2.36
sdE=2549.0
fwE=2.63
20180903T022728.0001.fits
SecZ=1.19
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.3 12.3 11.8
ALT/AZ=57.3 -84.2
fwAVG=2.45
sdW=2055.9
fwW=2.40
sdS=2402.6
fwS=2.57
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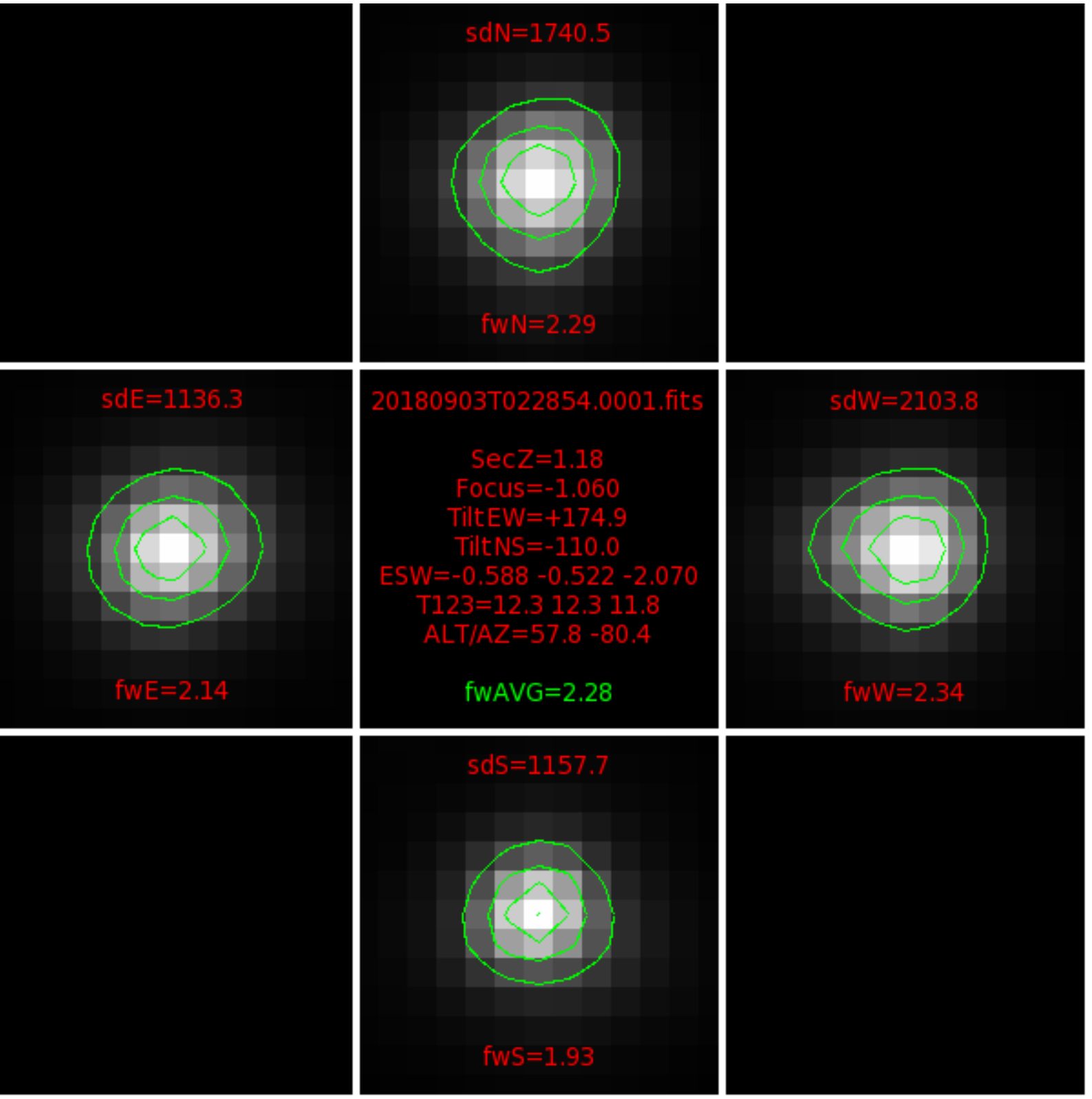
sdN=1740.5
fwN=2.29
sdE=1136.3
fwE=2.14
20180903T022854.0001.fits
SecZ=1.18
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.3 12.3 11.8
ALT/AZ=57.8 -80.4
fwAVG=2.28
sdW=2103.8
fwW=2.34
sdS=1157.7
fwS=1.93
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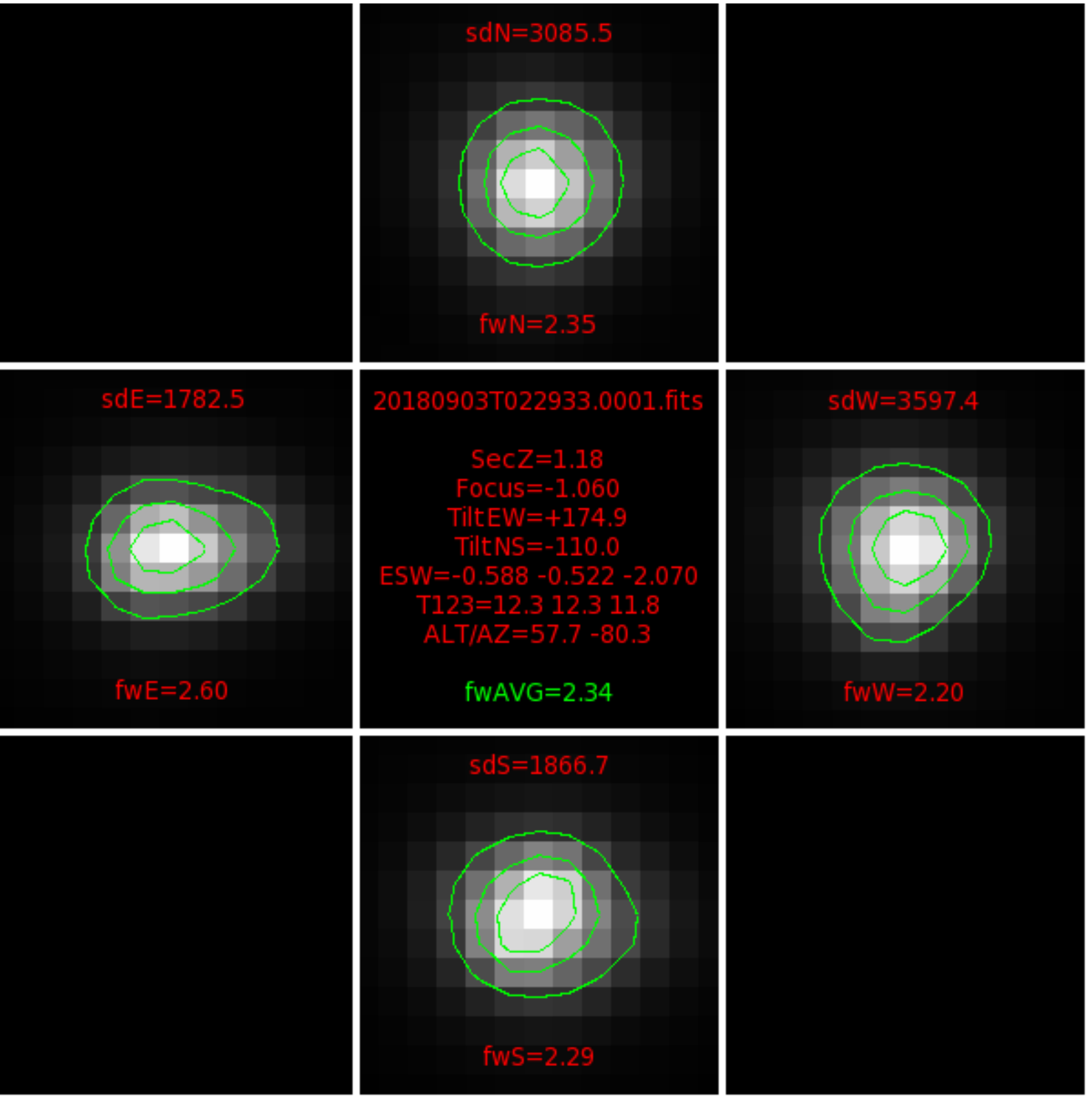
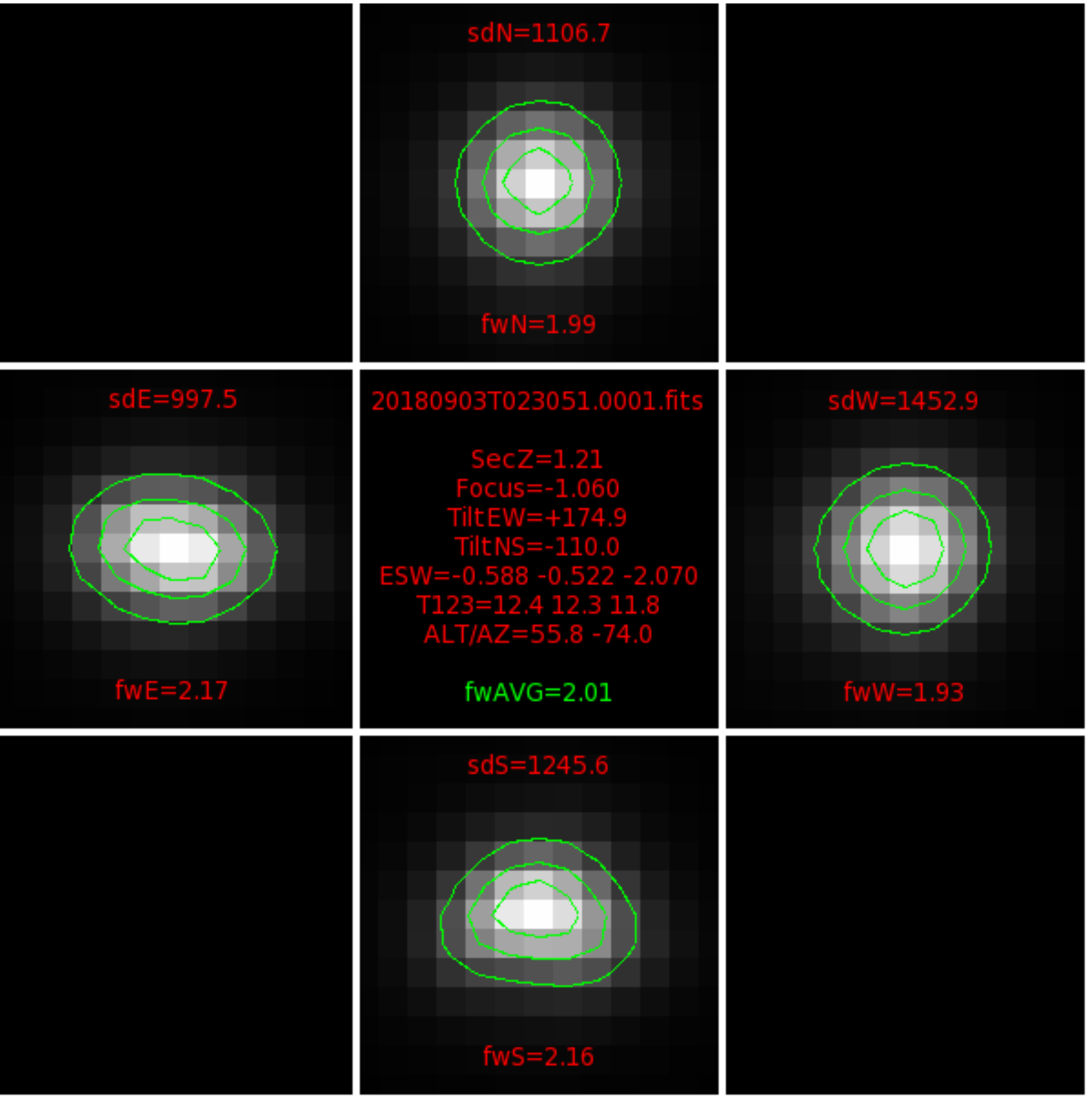

sdN=3085.5
fwN=2.35
sdE=1782.5
fwE=2.60
20180903T022933.0001.fits
SecZ=1.18
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.3 12.3 11.8
ALT/AZ=57.7 -80.3
fwAVG=2.34
sdW=3597.4
fwW=2.20
sdS=1866.7
fwS=2.29
0 0 0 0 0 0 0 0 0


sdN=1106.7
fwN=1.99
sdE=997.5
fwE=2.17
20180903T023051.0001.fits
SecZ=1.21
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.4 12.3 11.8
ALT/AZ=55.8 -74.0
fwAVG=2.01
sdW=1452.9
fwW=1.93
sdS=1245.6
fwS=2.16
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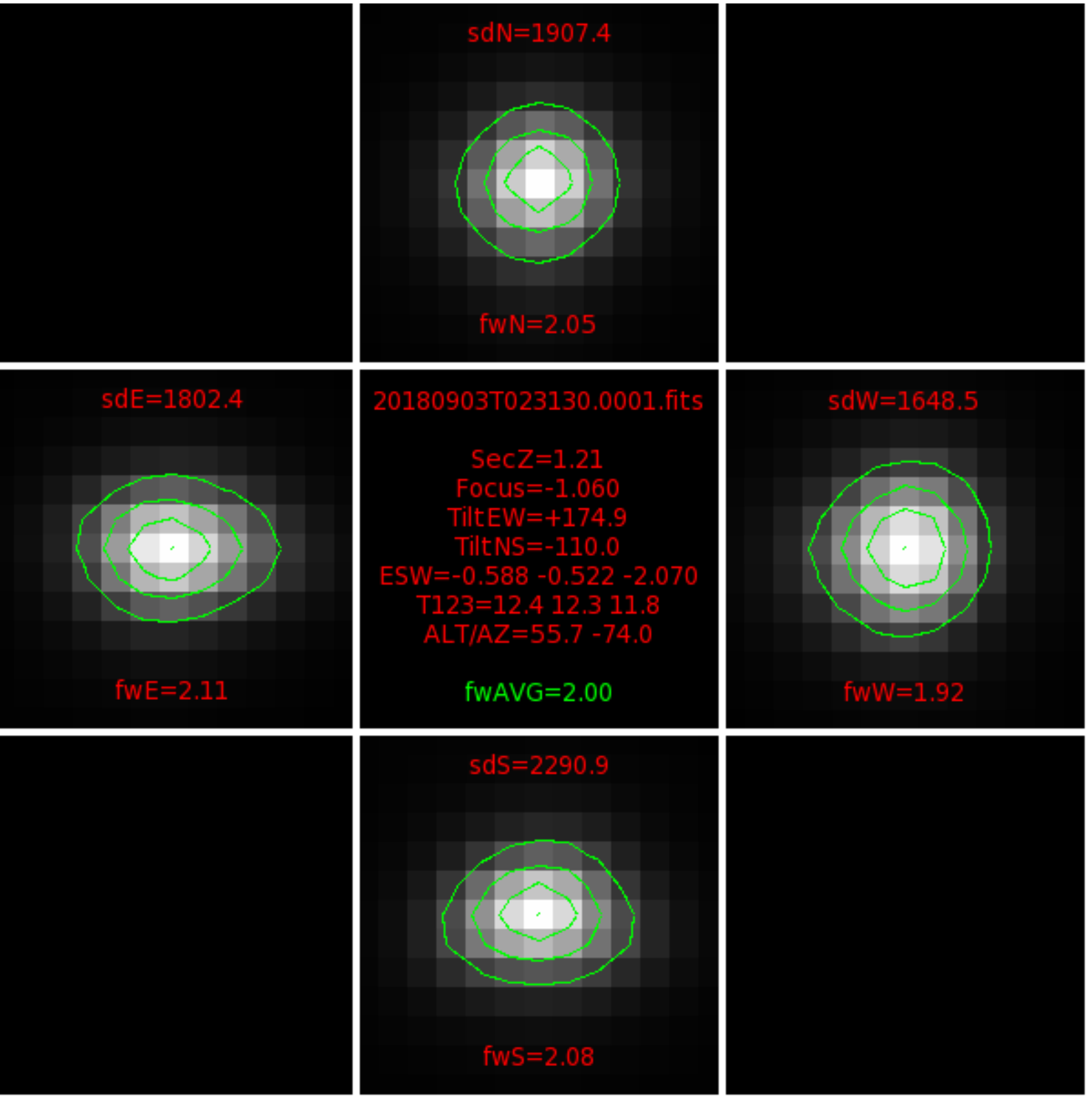
sdN=1907.4
fwN=2.05
sdE=1802.4
fwE=2.11
20180903T023130.0001.fits
SecZ=1.21
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.4 12.3 11.8
ALT/AZ=55.7 -74.0
fwAVG=2.00
sdW=1648.5
fwW=1.92
sdS=2290.9
fwS=2.08
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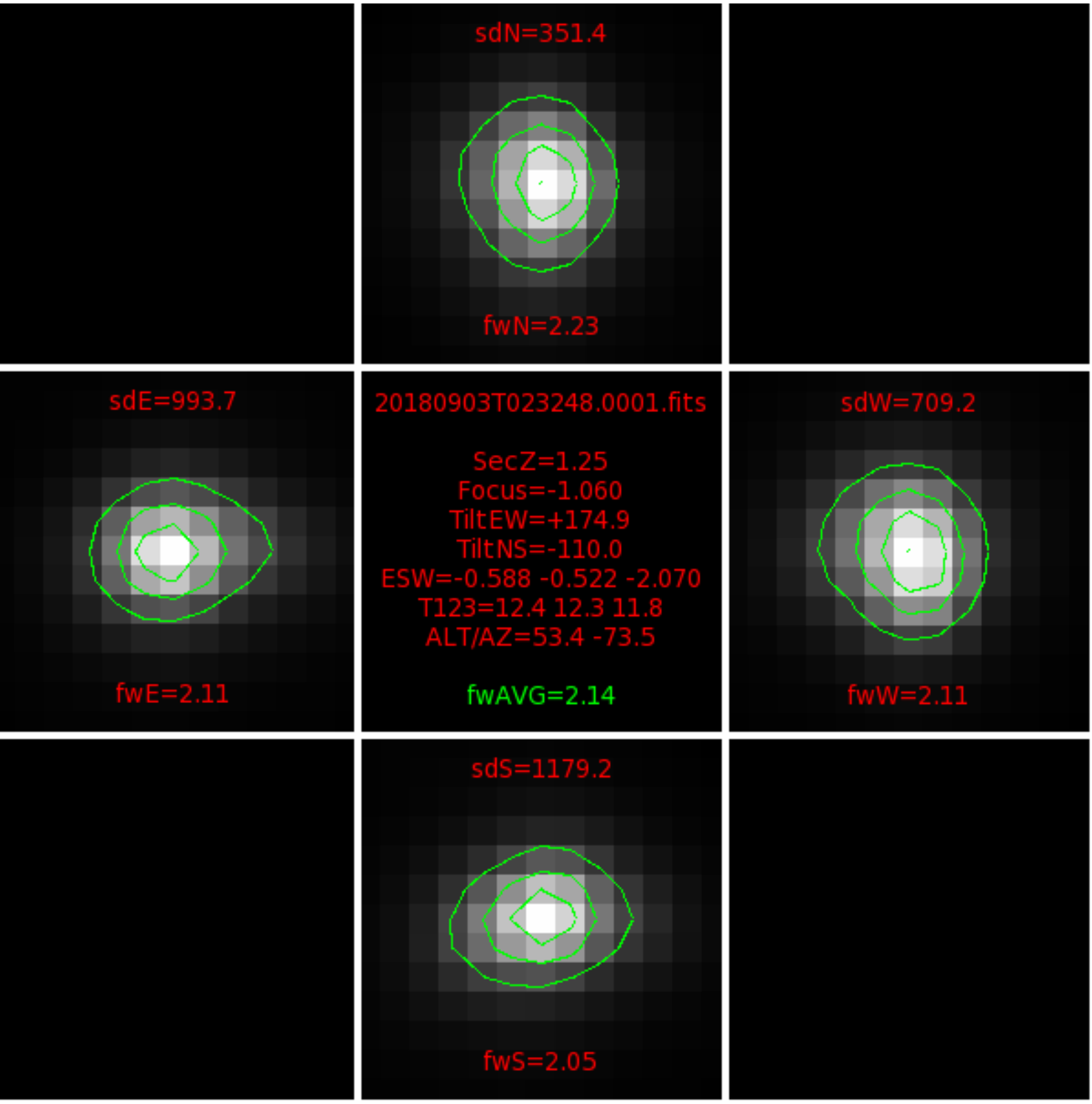
sdN=351.4
fwN=2.23
sdE=993.7
fwE=2.11
20180903T023248.0001.fits
SecZ=1.25
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.4 12.3 11.8
ALT/AZ=53.4 -73.5
fwAVG=2.14
sdW=709.2
fwW=2.11
sdS=1179.2
fwS=2.05
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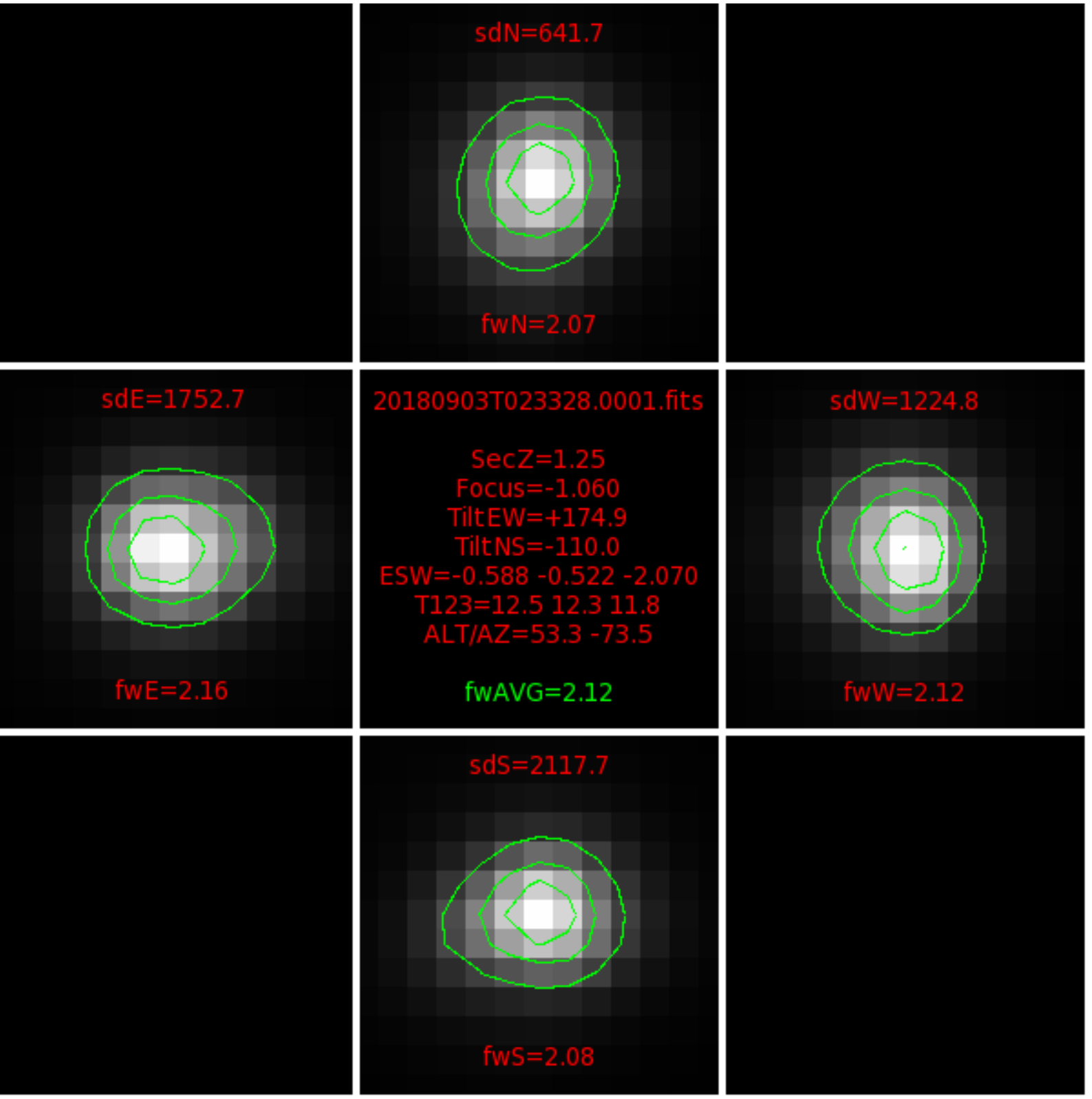
sdN=641.7
fwN=2.07
sdE=1752.7
fwE=2.16
20180903T023328.0001.fits
SecZ=1.25
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.5 12.3 11.8
ALT/AZ=53.3 -73.5
fwAVG=2.12
sdW=1224.8
fwW=2.12
sdS=2117.7
fwS=2.08
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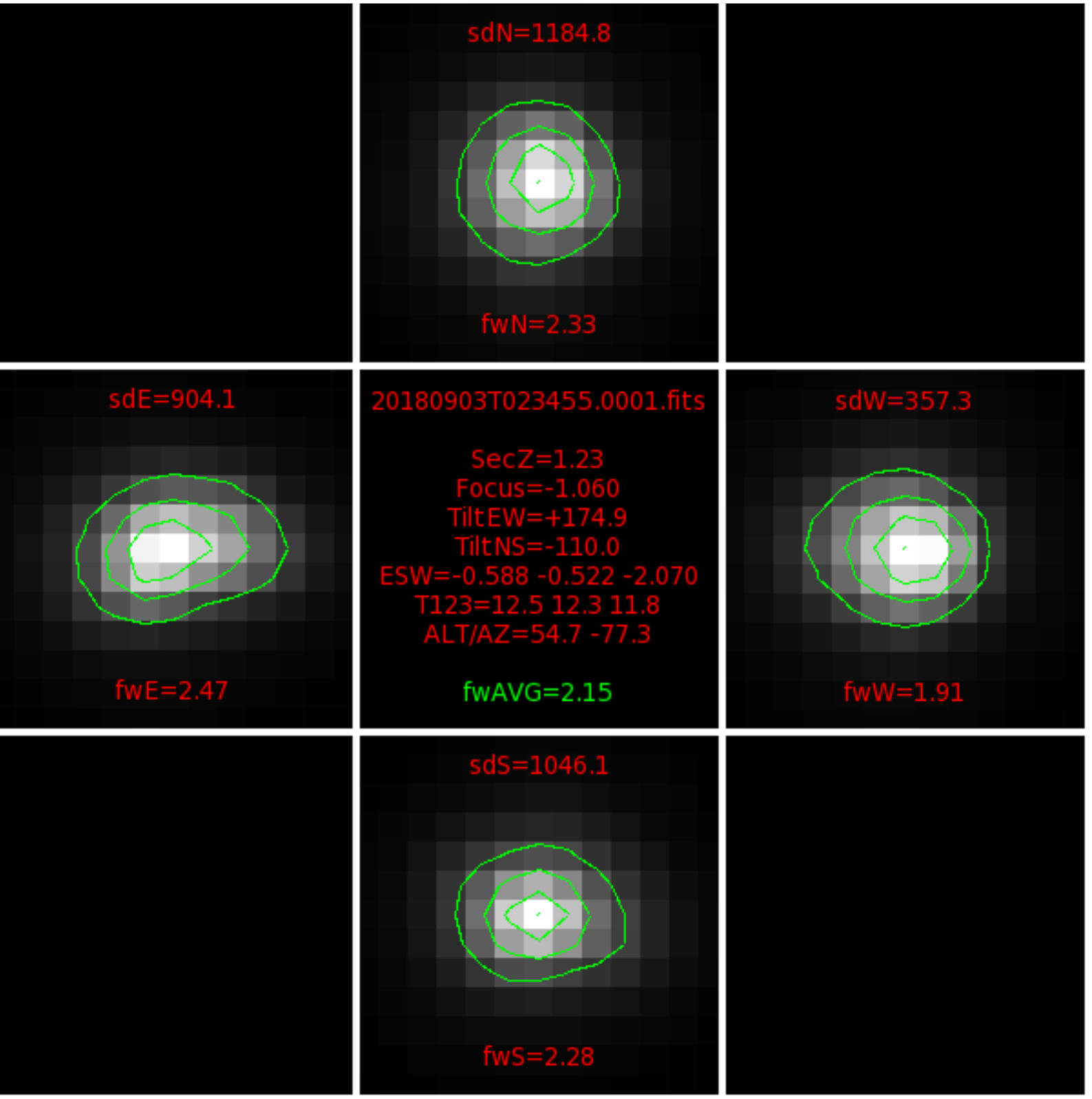
sdN=1184.8
fwN=2.33
sdE=904.1
fwE=2.47
20180903T023455.0001.fits
SecZ=1.23
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.5 12.3 11.8
ALT/AZ=54.7 -77.3
fwAVG=2.15
sdW=357.3
fwW=1.91
sdS=1046.1
fwS=2.28
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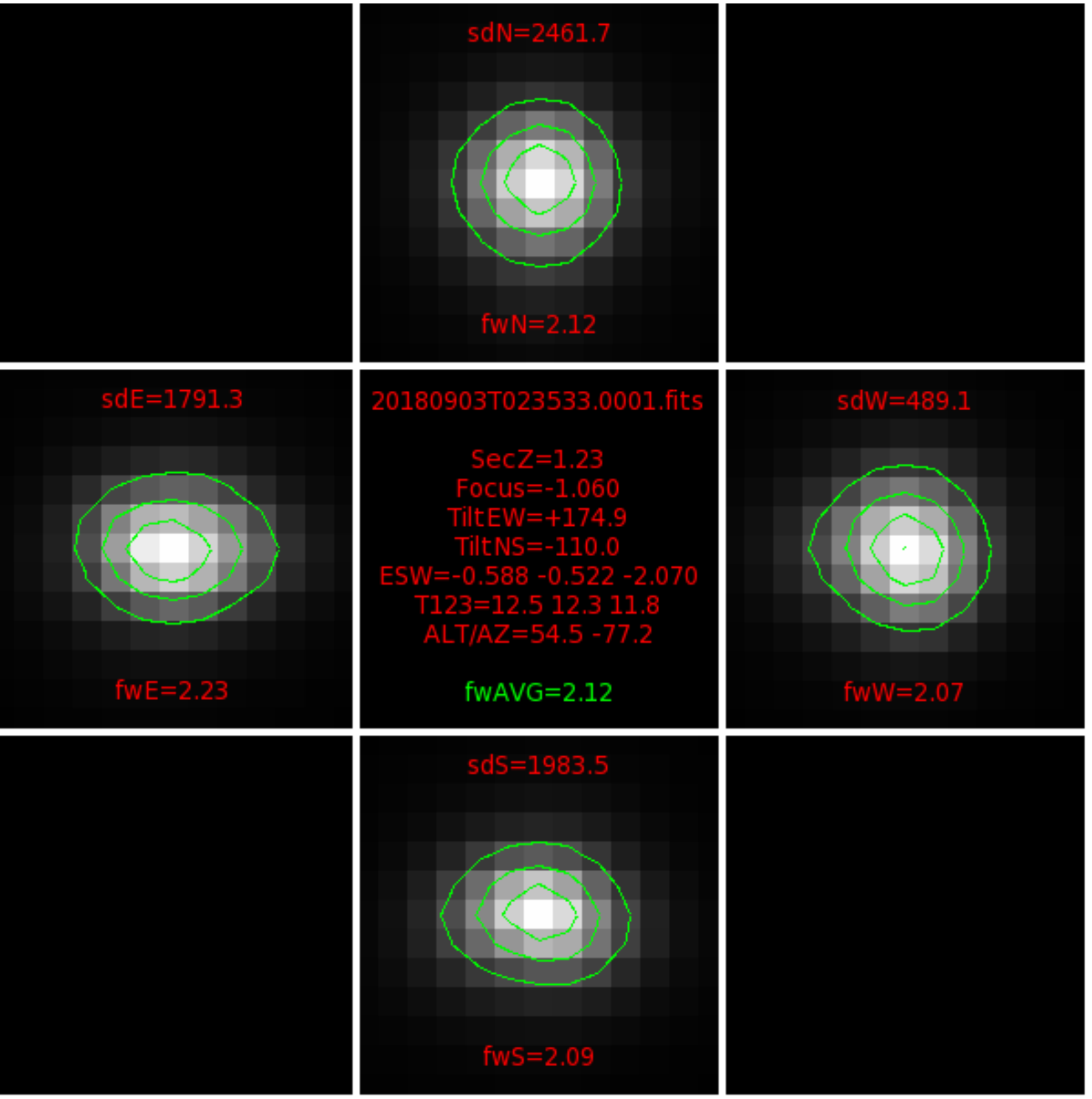
sdN=2461.7
fwN=2.12
sdE=1791.3
fwE=2.23
20180903T023533.0001.fits
SecZ=1.23
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.5 12.3 11.8
ALT/AZ=54.5 -77.2
fwAVG=2.12
sdW=489.1
fwW=2.07
sdS=1983.5
fwS=2.09
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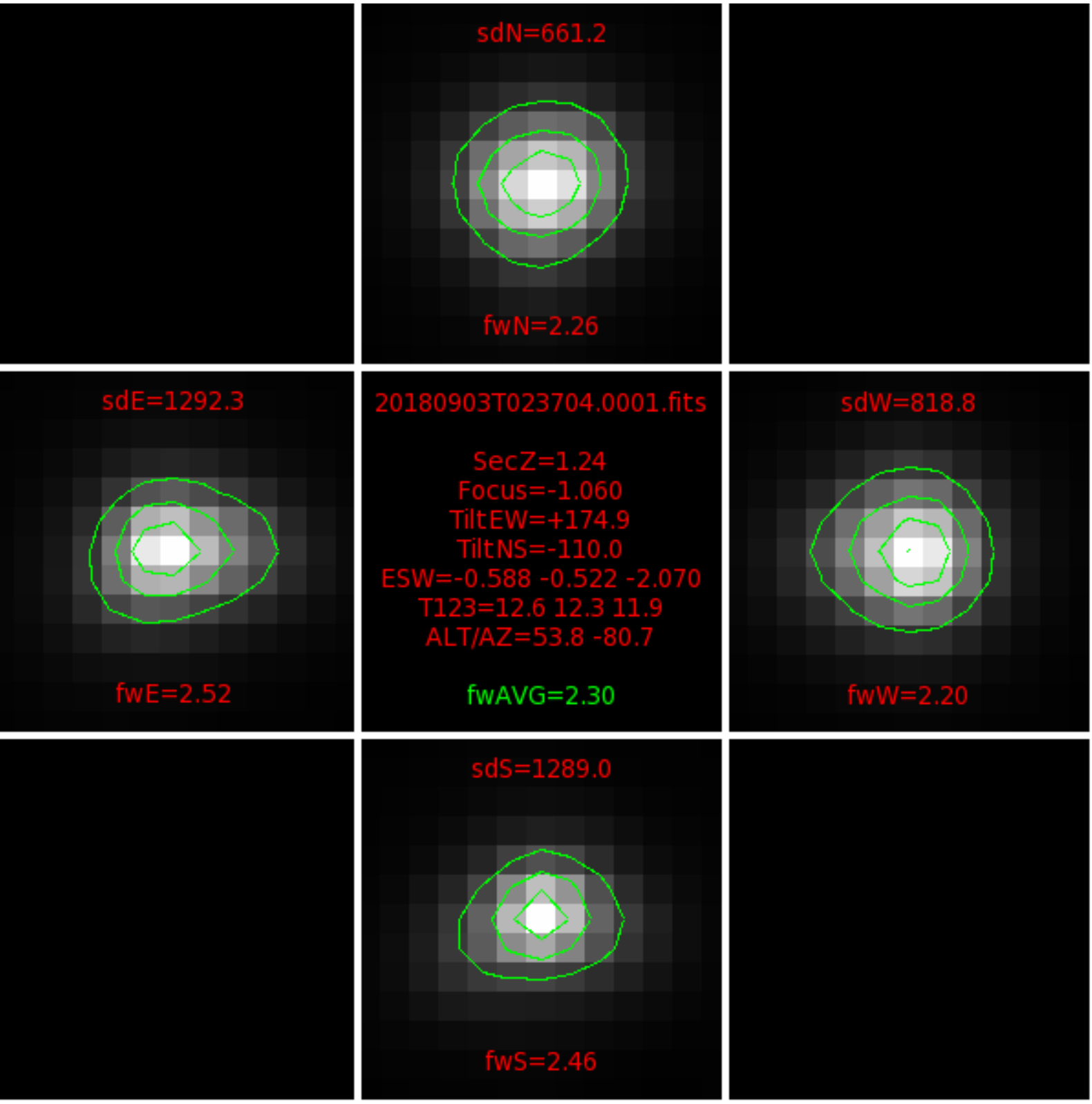
sdN=661.2
fwN=2.26
sdE=1292.3
fwE=2.52
20180903T023704.0001.fits
SecZ=1.24
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.6 12.3 11.9
ALT/AZ=53.8 -80.7
fwAVG=2.30
sdW=818.8
fwW=2.20
sdS=1289.0
fwS=2.46
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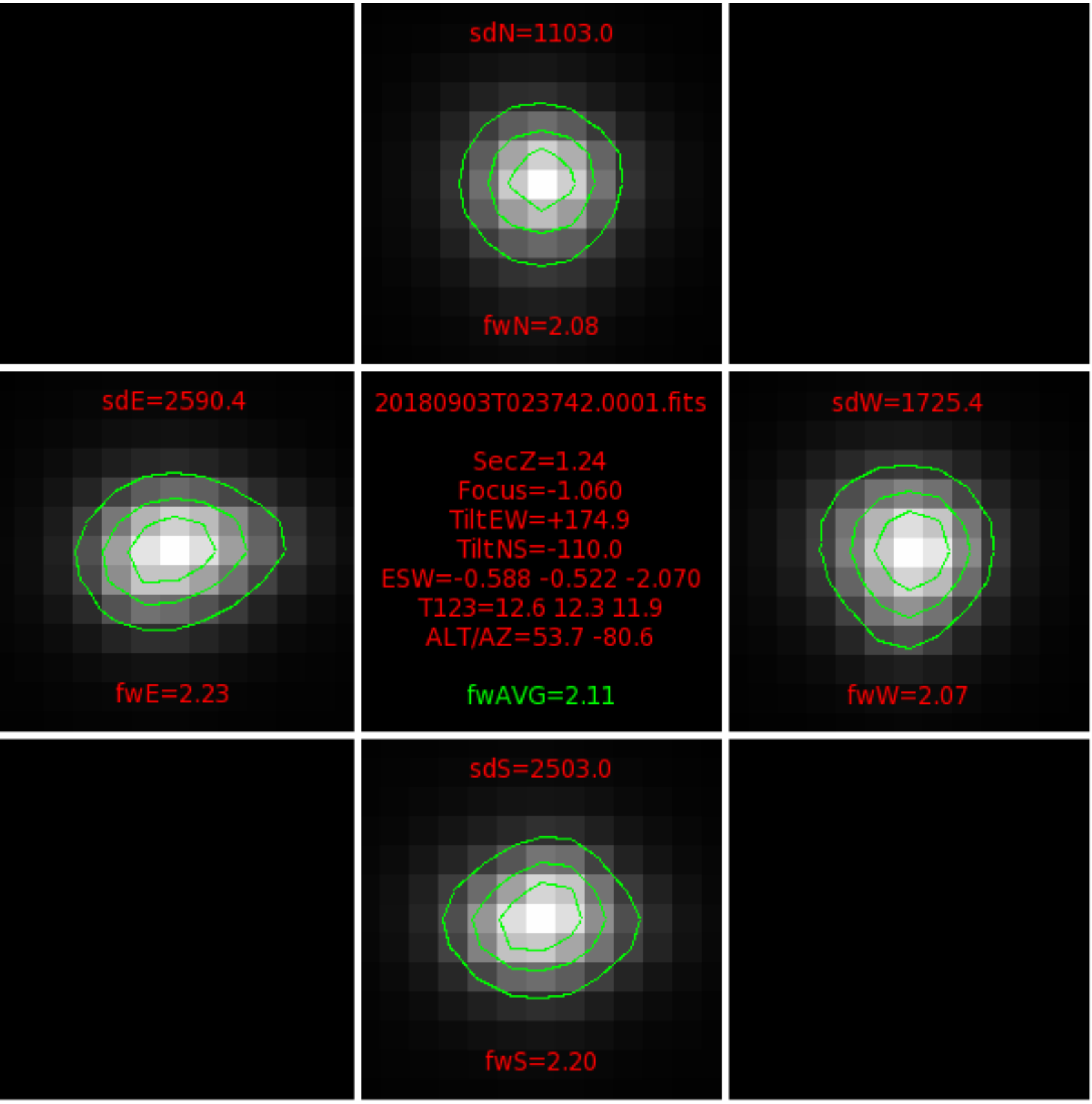
sdN=1103.0
fwN=2.08
sdE=2590.4
fwE=2.23
20180903T023742.0001.fits
SecZ=1.24
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.6 12.3 11.9
ALT/AZ=53.7 -80.6
fwAVG=2.11
sdW=1725.4
fwW=2.07
sdS=2503.0
fwS=2.20
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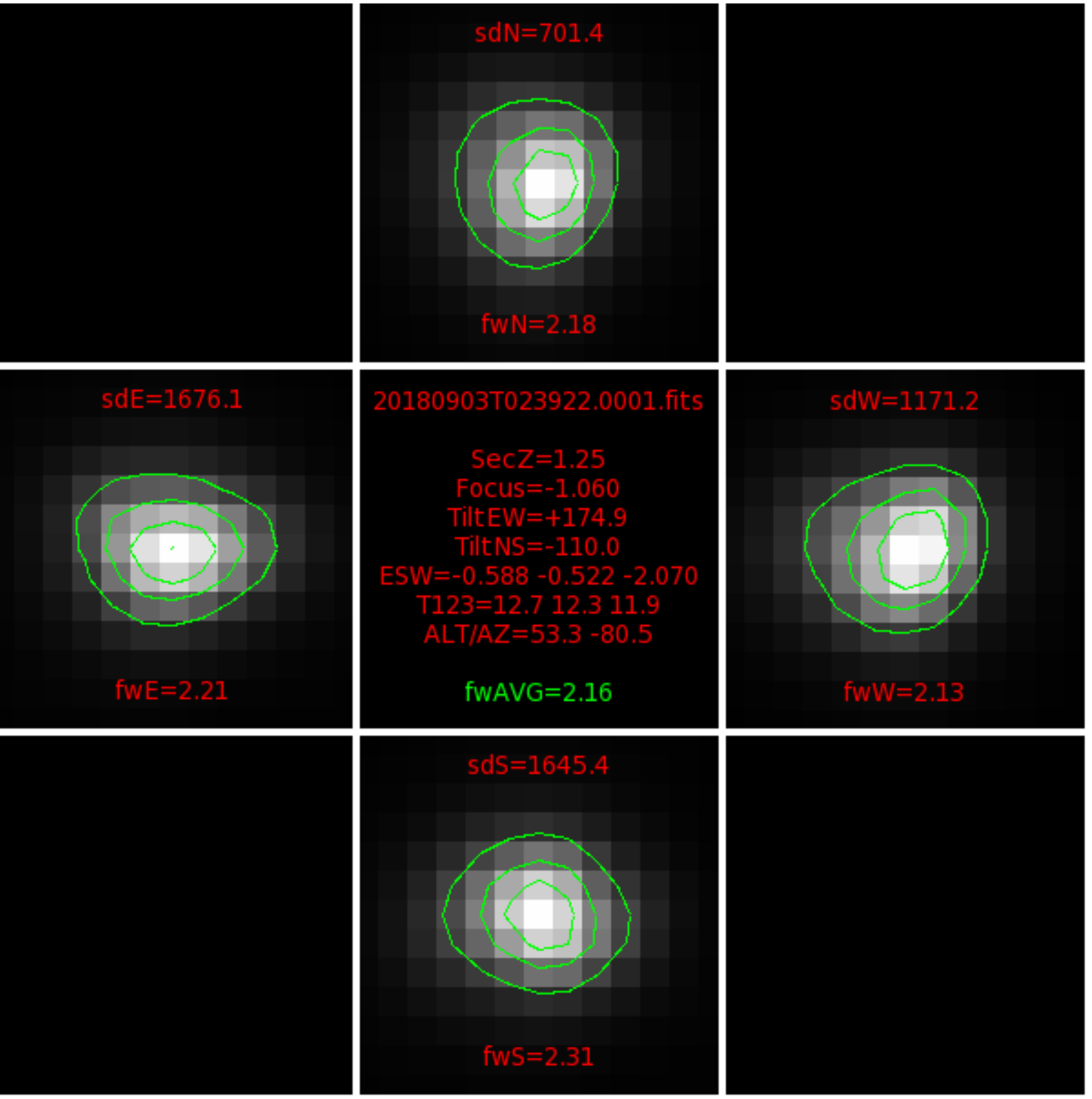
sdN=701.4
fwN=2.18
sdE=1676.1
fwE=2.21
20180903T023922.0001.fits
SecZ=1.25
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.7 12.3 11.9
ALT/AZ=53.3 -80.5
fwAVG=2.16
sdW=1171.2
fwW=2.13
sdS=1645.4
fwS=2.31
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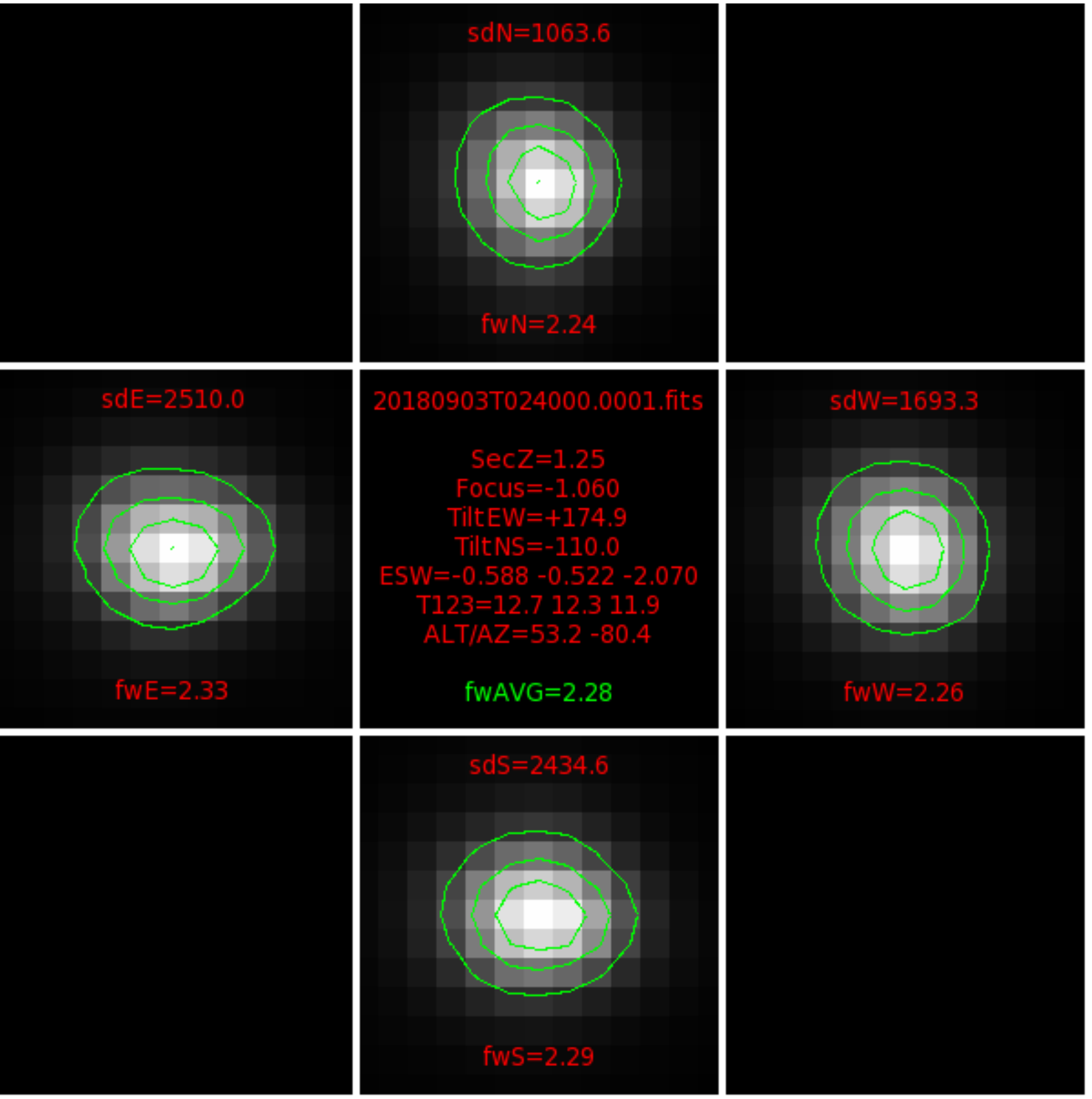
sdN=1063.6
fwN=2.24
sdE=2510.0
fwE=2.33
20180903T024000.0001.fits
SecZ=1.25
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.7 12.3 11.9
ALT/AZ=53.2 -80.4
fwAVG=2.28
sdW=1693.3
fwW=2.26
sdS=2434.6
fwS=2.29
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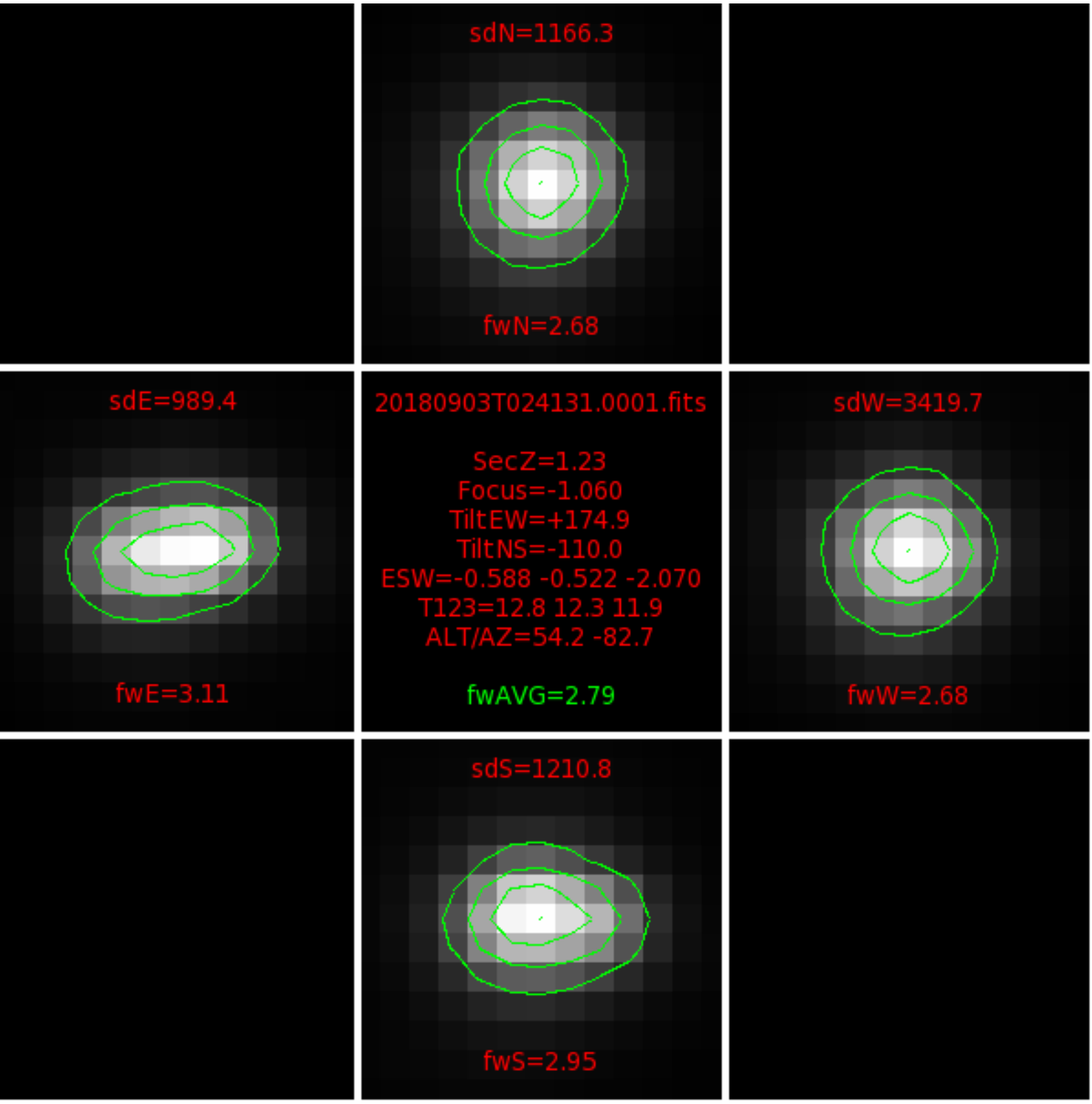
sdN=1166.3
fwN=2.68
sdE=989.4
fwE=3.11
20180903T024131.0001.fits
SecZ=1.23
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.8 12.3 11.9
ALT/AZ=54.2 -82.7
fwAVG=2.79
sdW=3419.7
fwW=2.68
sdS=1210.8
fwS=2.95
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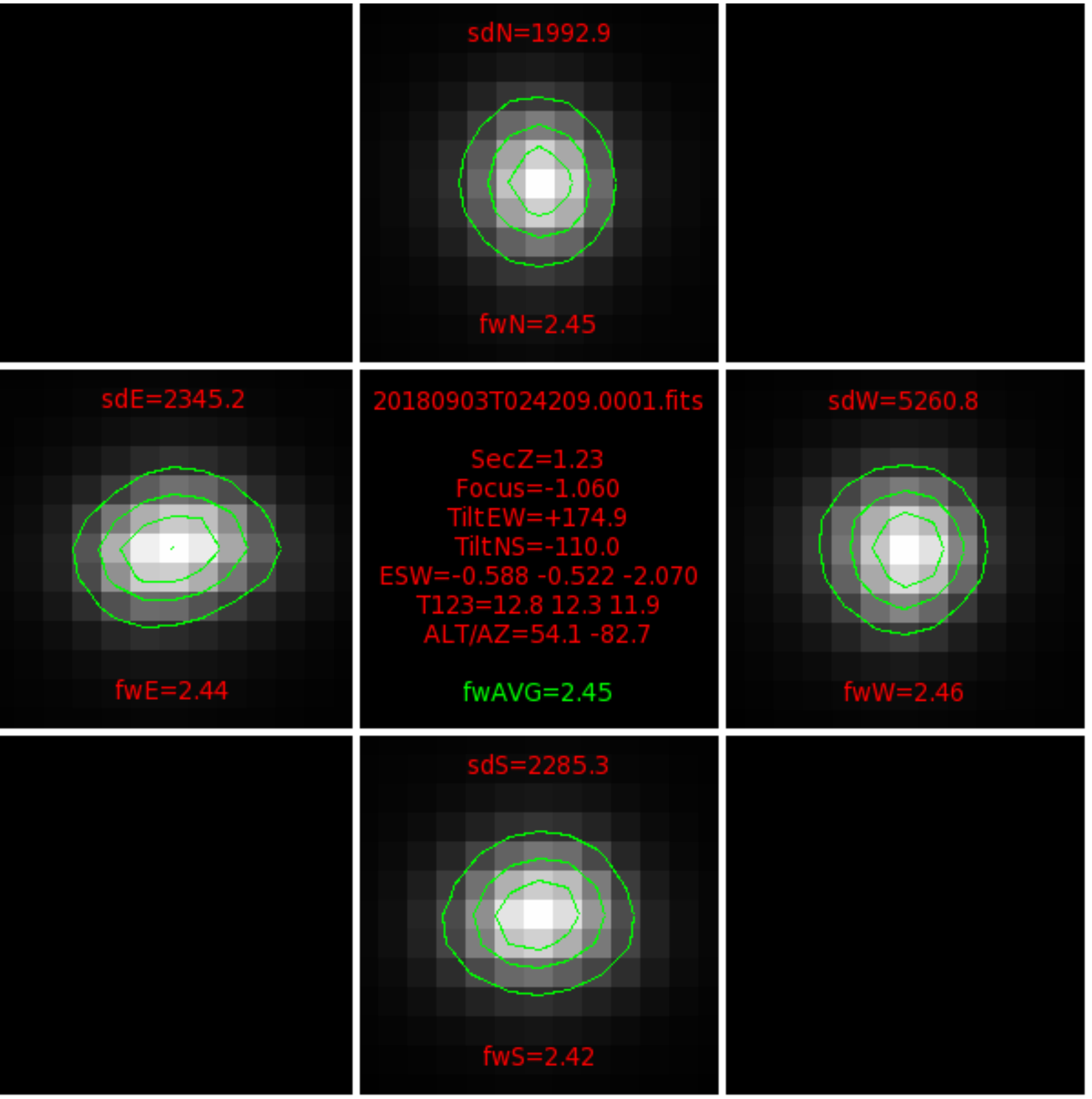
sdN=1992.9
fwN=2.45
sdE=2345.2
fwE=2.44
20180903T024209.0001.fits
SecZ=1.23
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.8 12.3 11.9
ALT/AZ=54.1 -82.7
fwAVG=2.45
sdW=5260.8
fwW=2.46
sdS=2285.3
fwS=2.42
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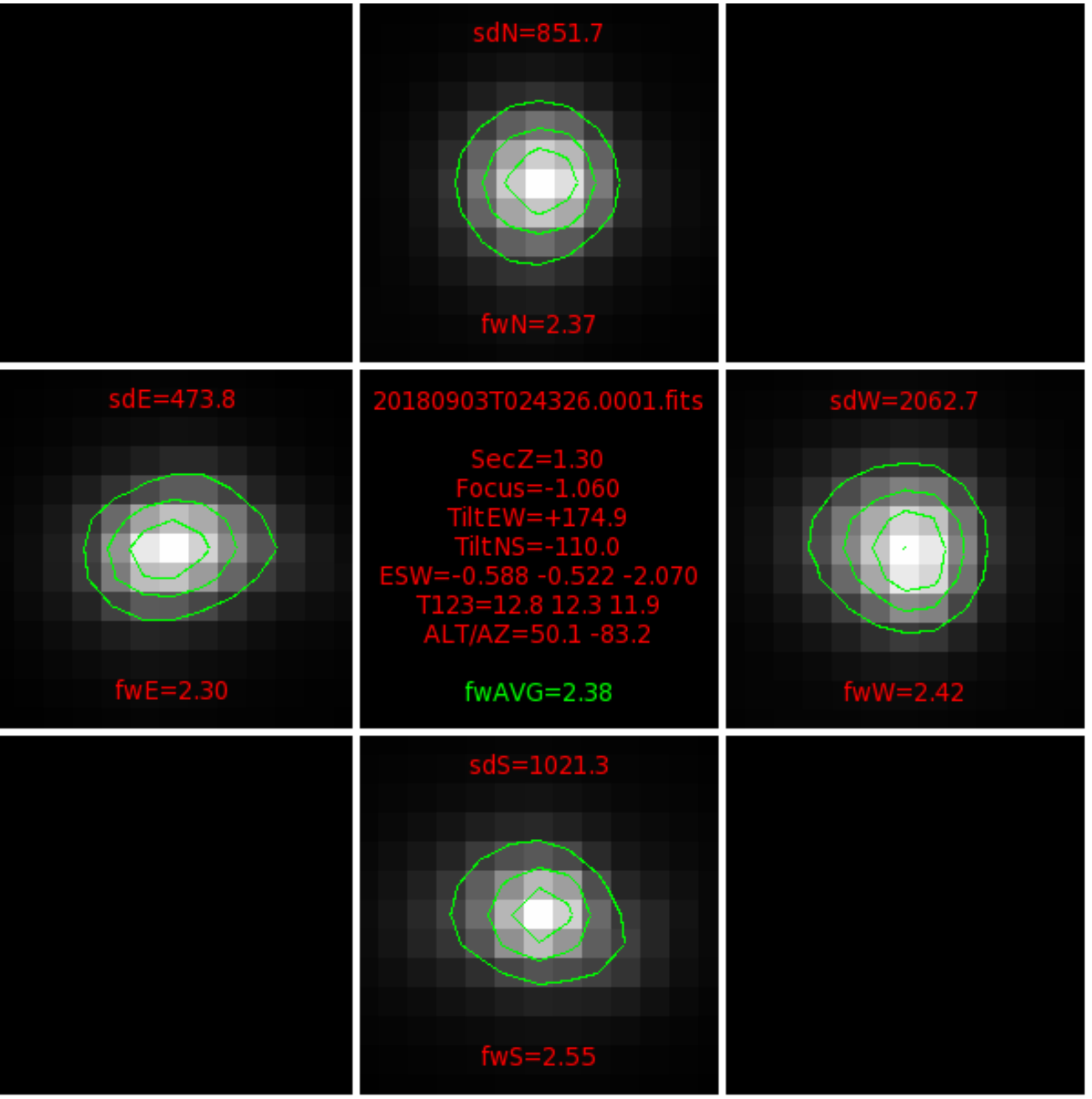
sdN=851.7
fwN=2.37
sdE=473.8
fwE=2.30
20180903T024326.0001.fits
SecZ=1.30
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.8 12.3 11.9
ALT/AZ=50.1 -83.2
fwAVG=2.38
sdW=2062.7
fwW=2.42
sdS=1021.3
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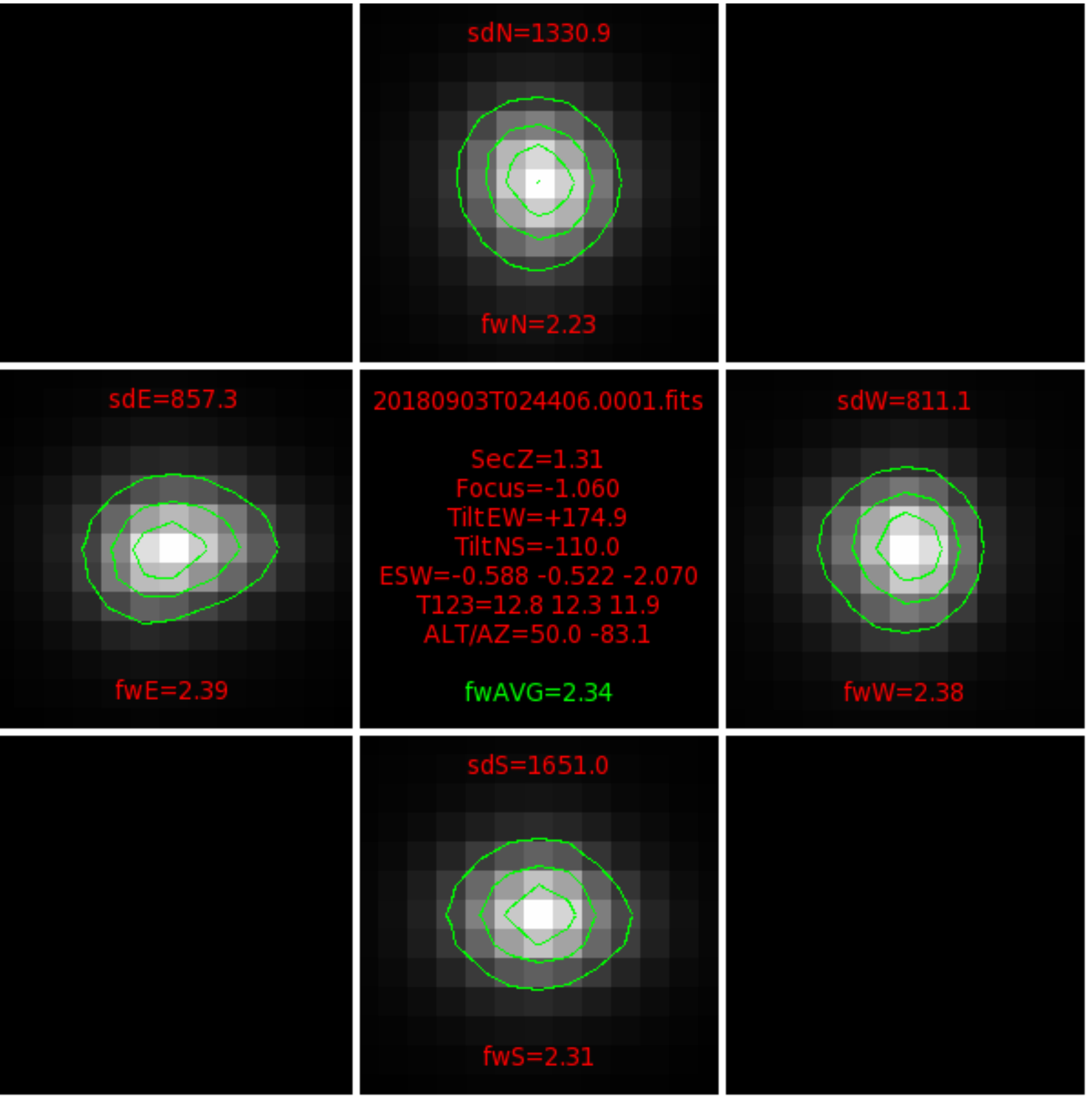
sdN=1330.9
fwN=2.23
sdE=857.3
fwE=2.39
20180903T024406.0001.fits
SecZ=1.31
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.8 12.3 11.9
ALT/AZ=50.0 -83.1
fwAVG=2.34
sdW=811.1
fwW=2.38
sdS=1651.0
fwS=2.31
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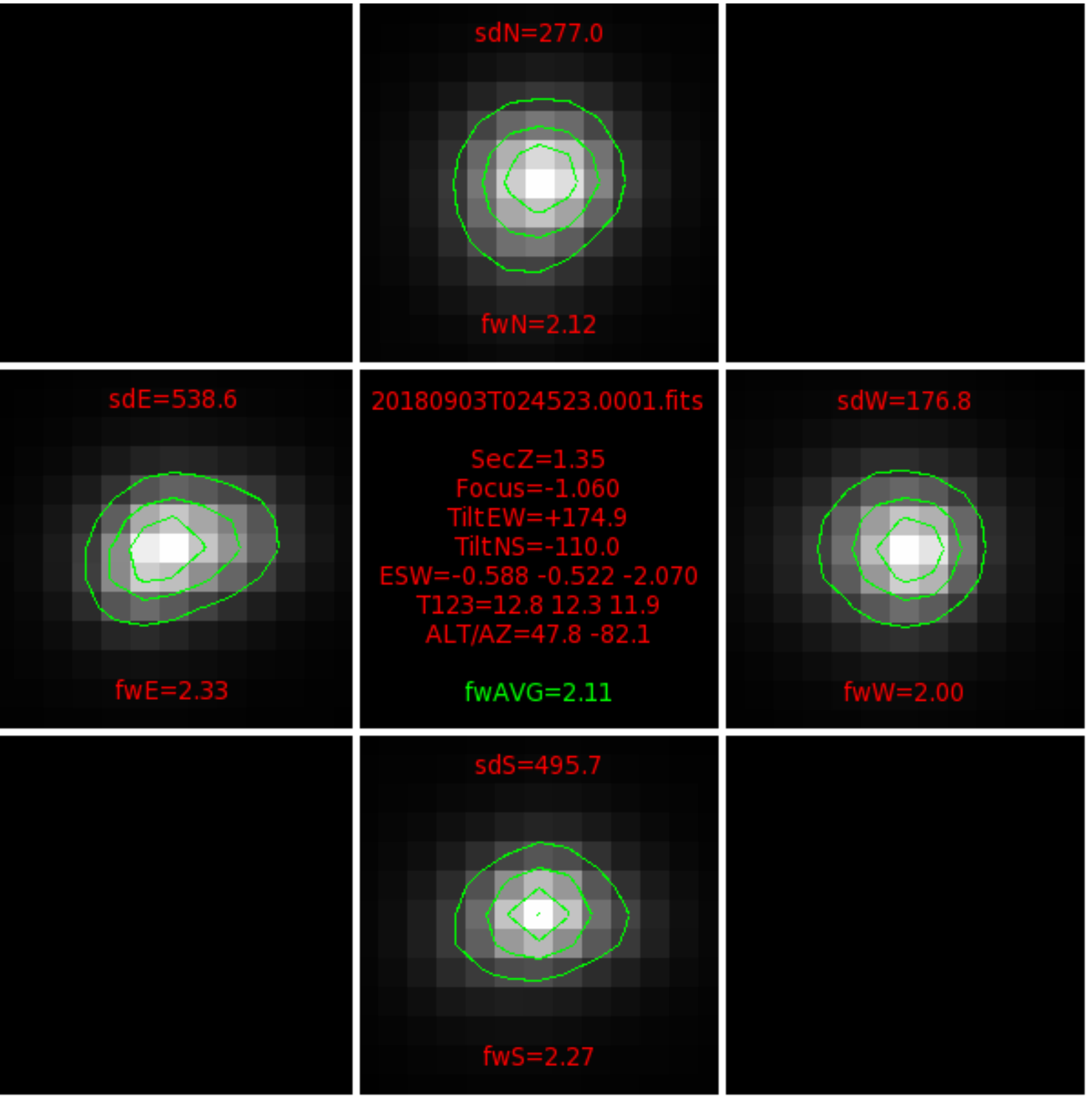
sdN=277.0
fwN=2.12
sdE=538.6
fwE=2.33
20180903T024523.0001.fits
SecZ=1.35
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.8 12.3 11.9
ALT/AZ=47.8 -82.1
fwAVG=2.11
sdW=176.8
fwW=2.00
sdS=495.7
fwS=2.27
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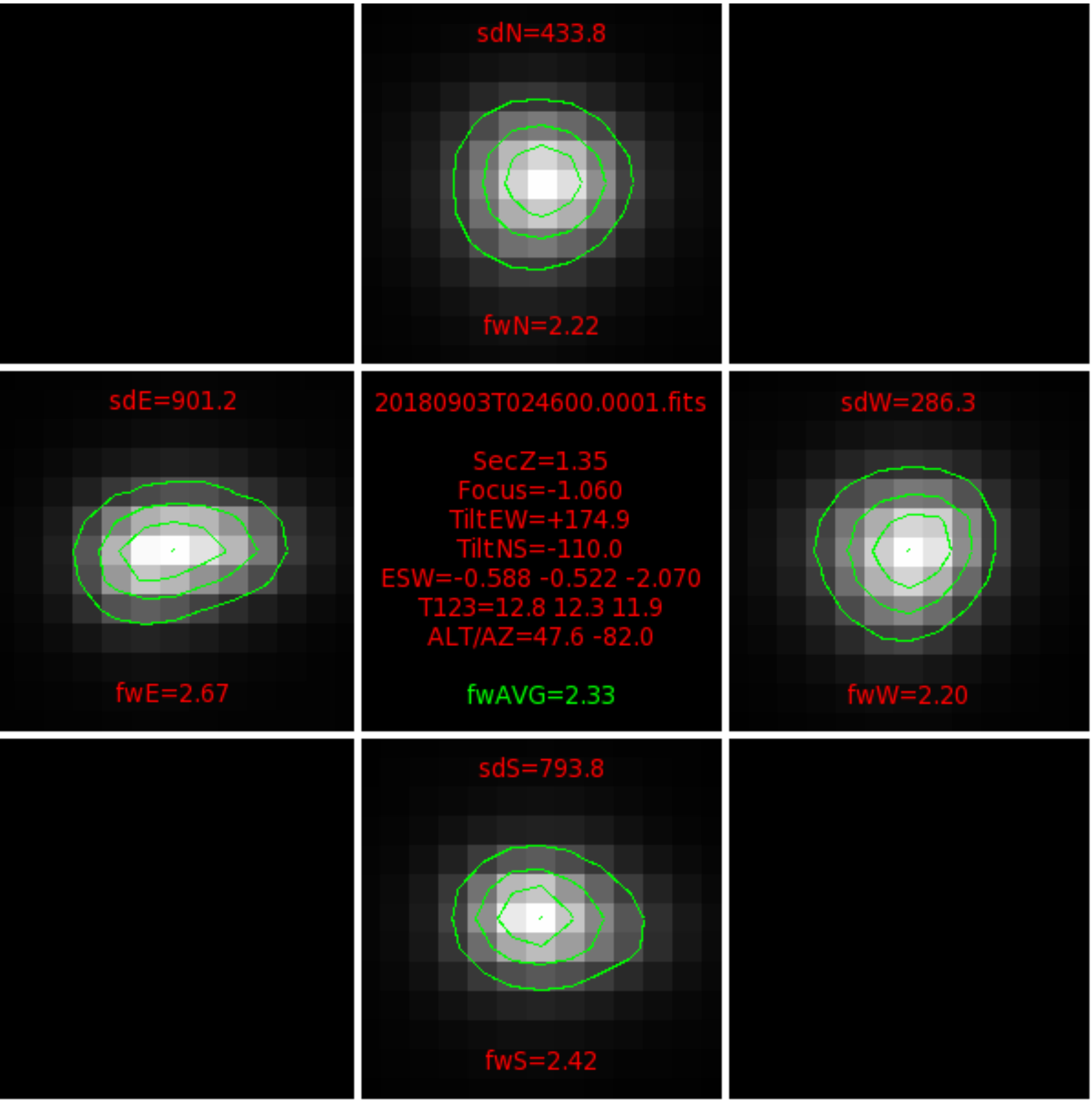
sdN=433.8
fwN=2.22
sdE=901.2
fwE=2.67
20180903T024600.0001.fits
SecZ=1.35
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.8 12.3 11.9
ALT/AZ=47.6 -82.0
fwAVG=2.33
sdW=286.3
fwW=2.20
sdS=793.8
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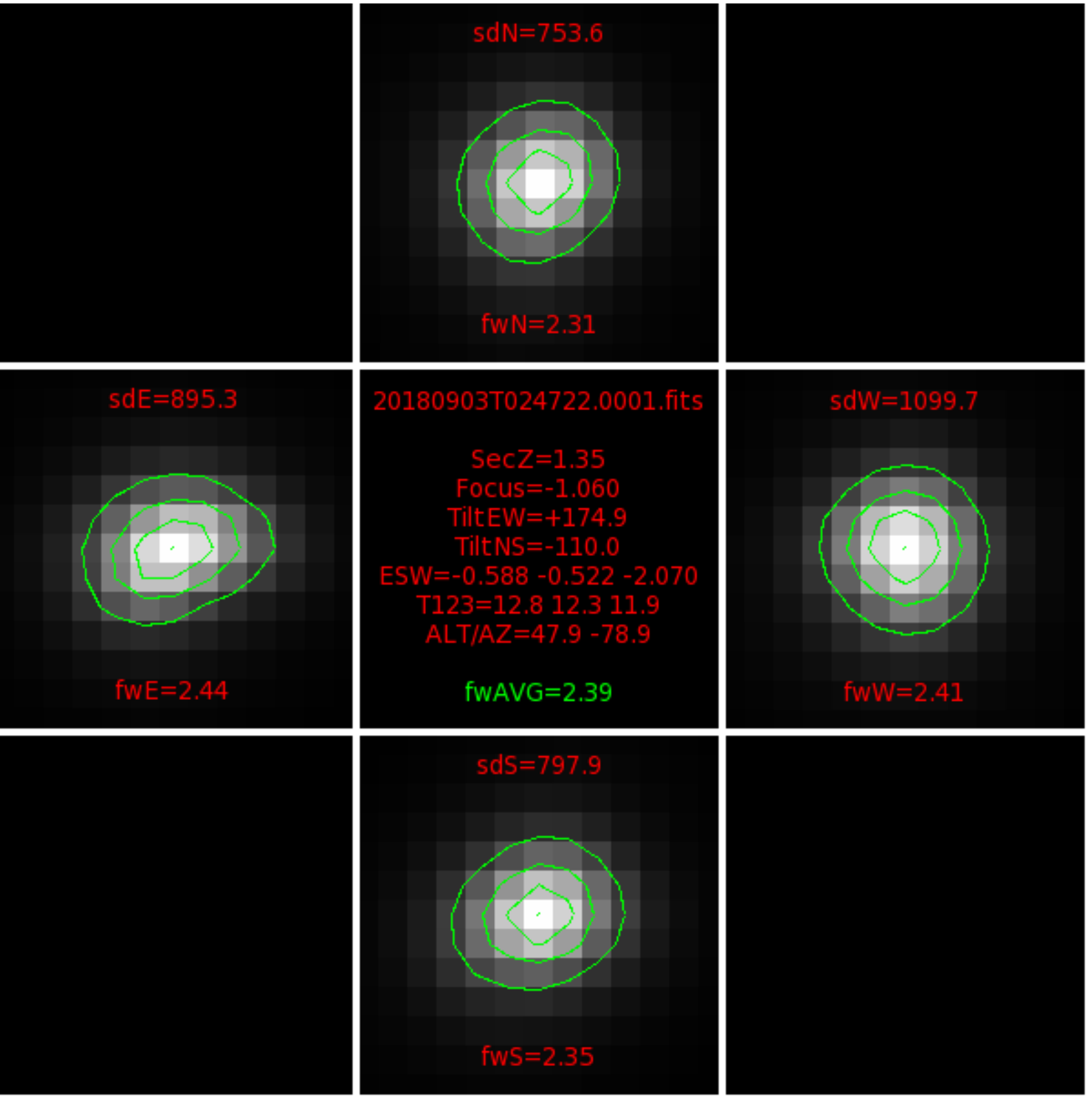
sdN=753.6
fwN=2.31
sdE=895.3
fwE=2.44
20180903T024722.0001.fits
SecZ=1.35
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.8 12.3 11.9
ALT/AZ=47.9 -78.9
fwAVG=2.39
sdW=1099.7
fwW=2.41
sdS=797.9
fwS=2.35
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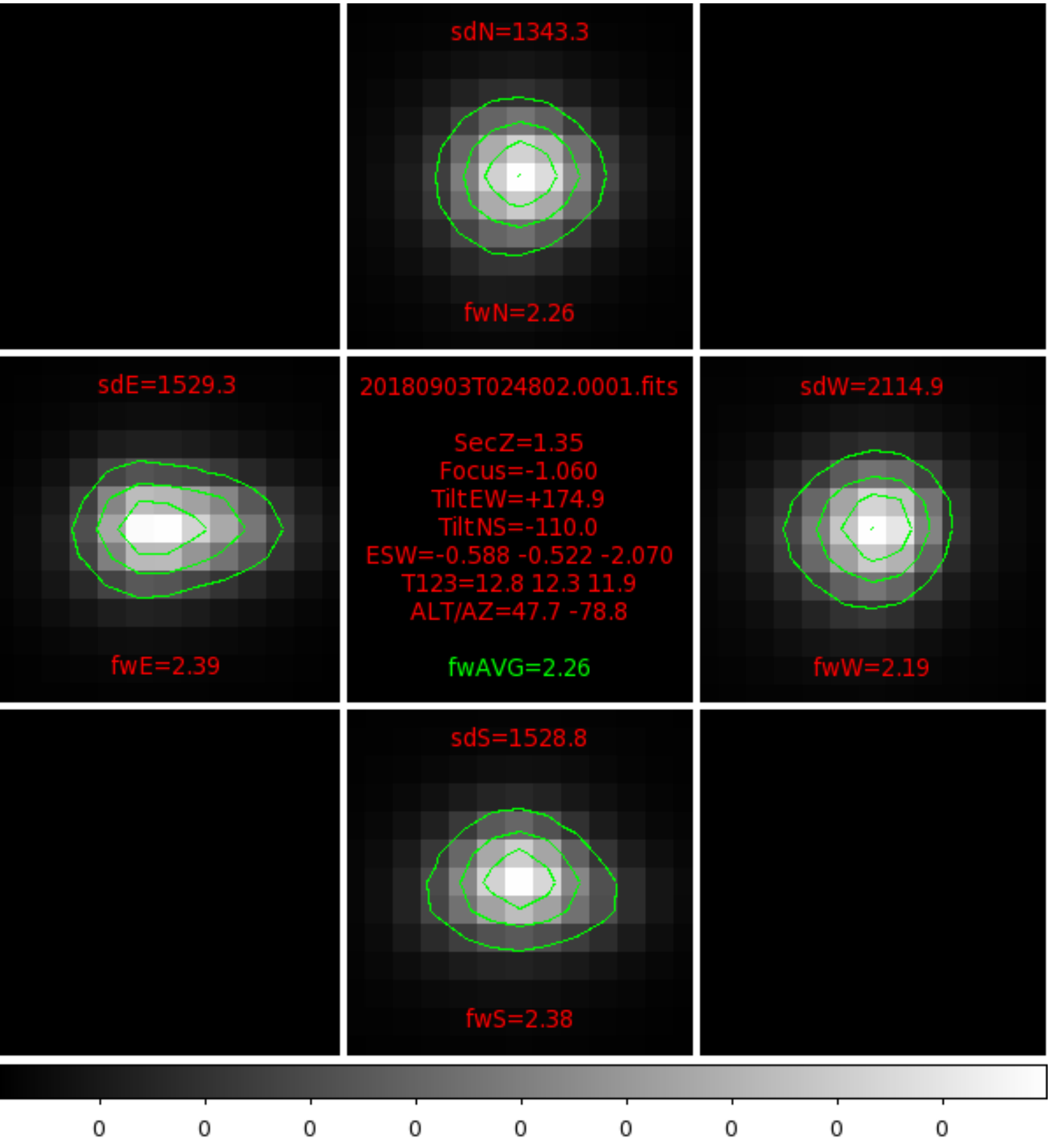
sdN=1343.3
fwN=2.26
sdE=1529.3
fwE=2.39
20180903T024802.0001.fits
SecZ=1.35
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.8 12.3 11.9
ALT/AZ=47.7 -78.8
fwAVG=2.26
sdW=2114.9
fwW=2.19
sdS=1528.8
fwS=2.38
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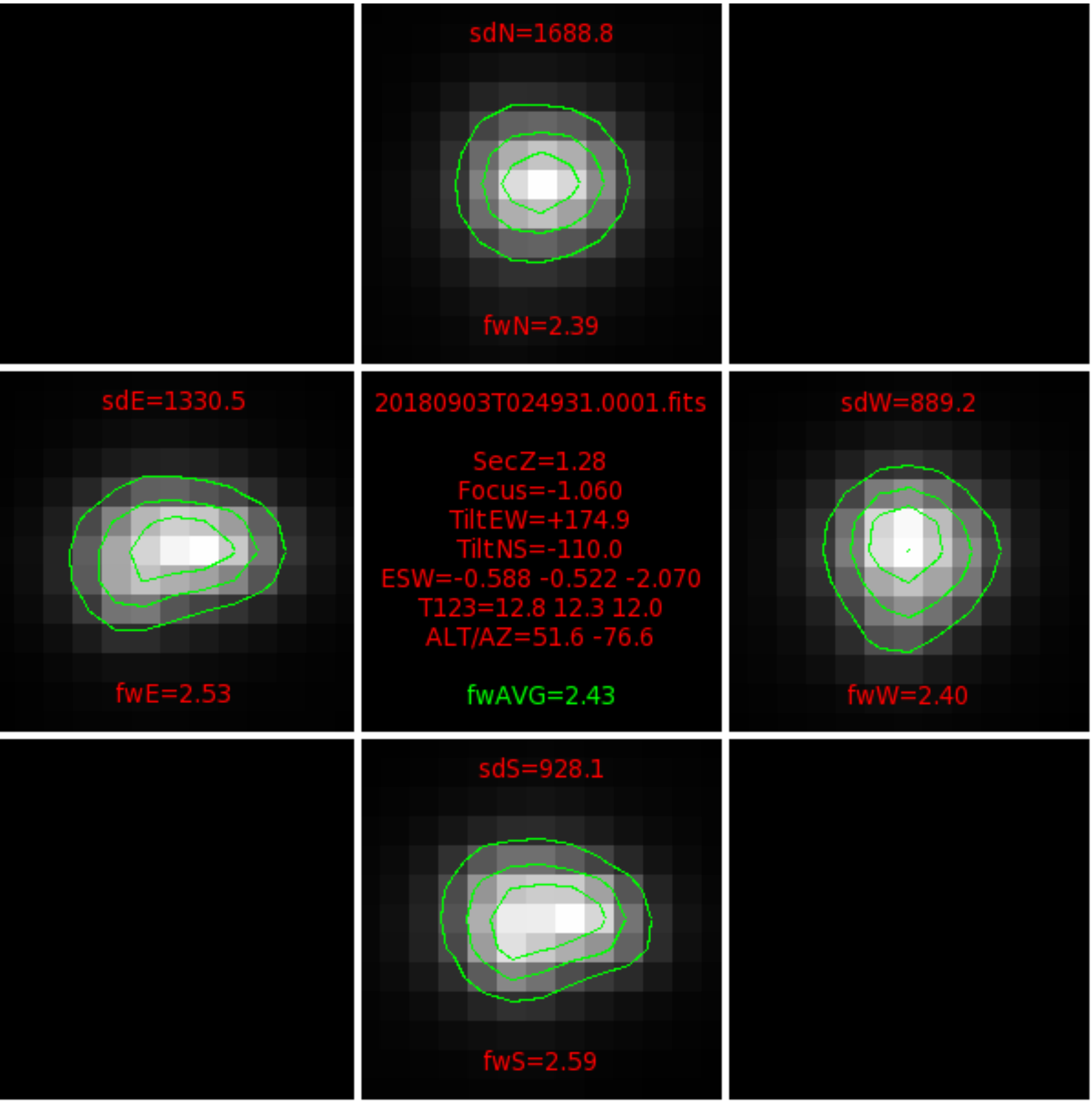
sdN=1688.8
fwN=2.39
sdE=1330.5
fwE=2.53
20180903T024931.0001.fits
SecZ=1.28
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.8 12.3 12.0
ALT/AZ=51.6 -76.6
fwAVG=2.43
sdW=889.2
fwW=2.40
sdS=928.1
fwS=2.59
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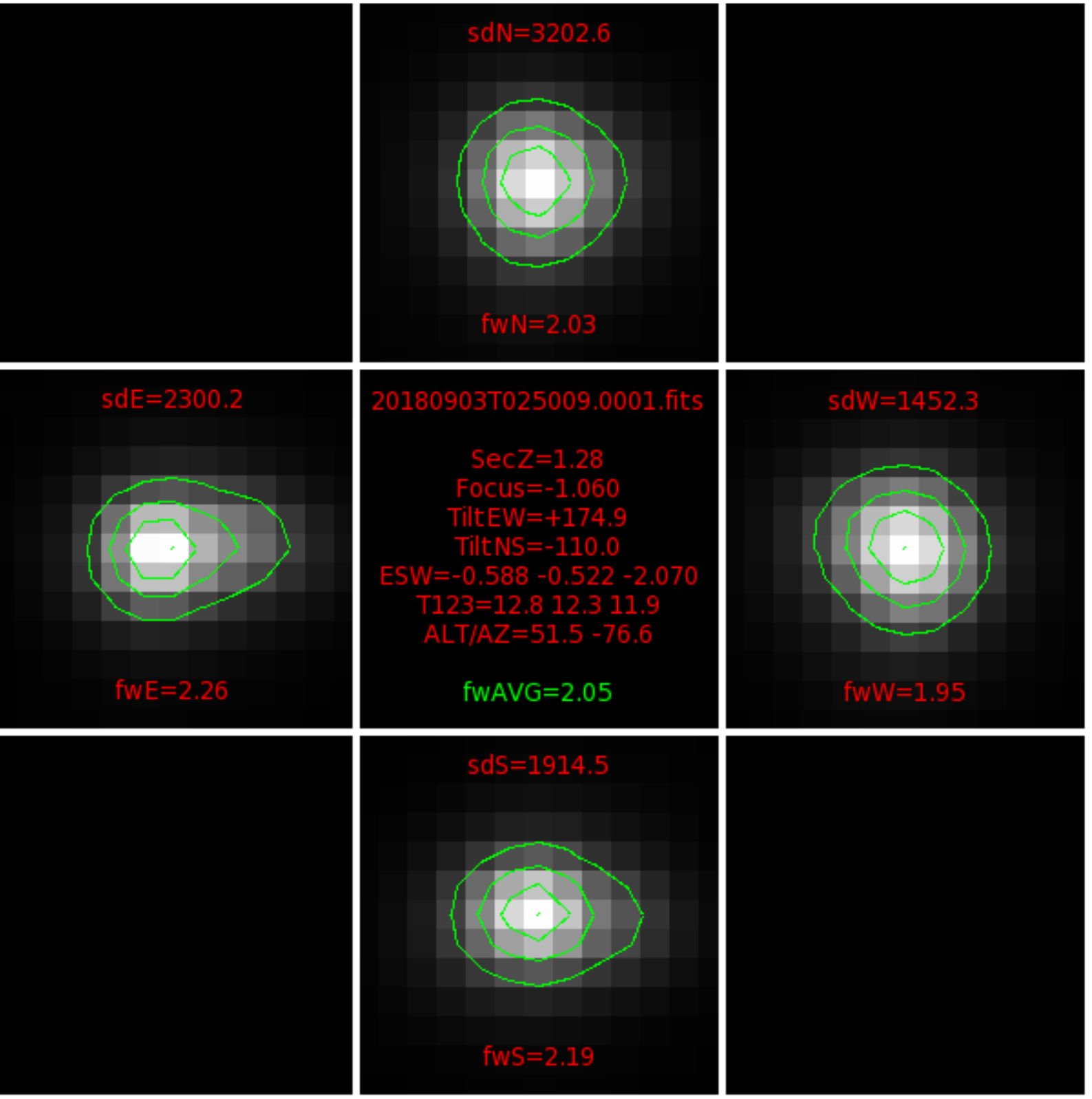
sdN=3202.6
fwN=2.03
sdE=2300.2
fwE=2.26
20180903T025009.0001.fits
SecZ=1.28
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=12.8 12.3 11.9
ALT/AZ=51.5 -76.6
fwAVG=2.05
sdW=1452.3
fwW=1.95
sdS=1914.5
fwS=2.19
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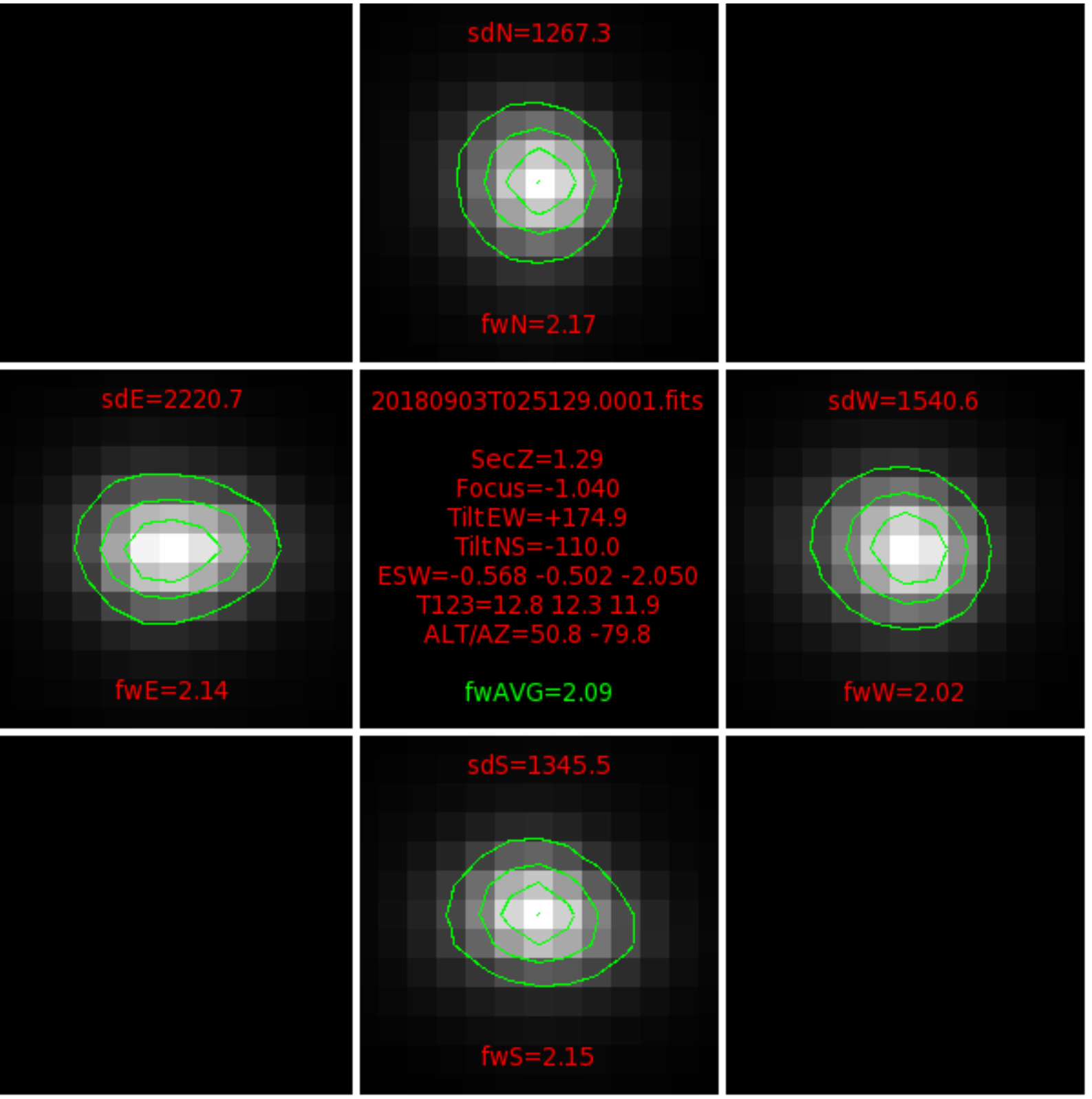
sdN=1267.3
fwN=2.17
sdE=2220.7
fwE=2.14
20180903T025129.0001.fits
SecZ=1.29
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.8 12.3 11.9
ALT/AZ=50.8 -79.8
fwAVG=2.09
sdW=1540.6
fwW=2.02
sdS=1345.5
fwS=2.15
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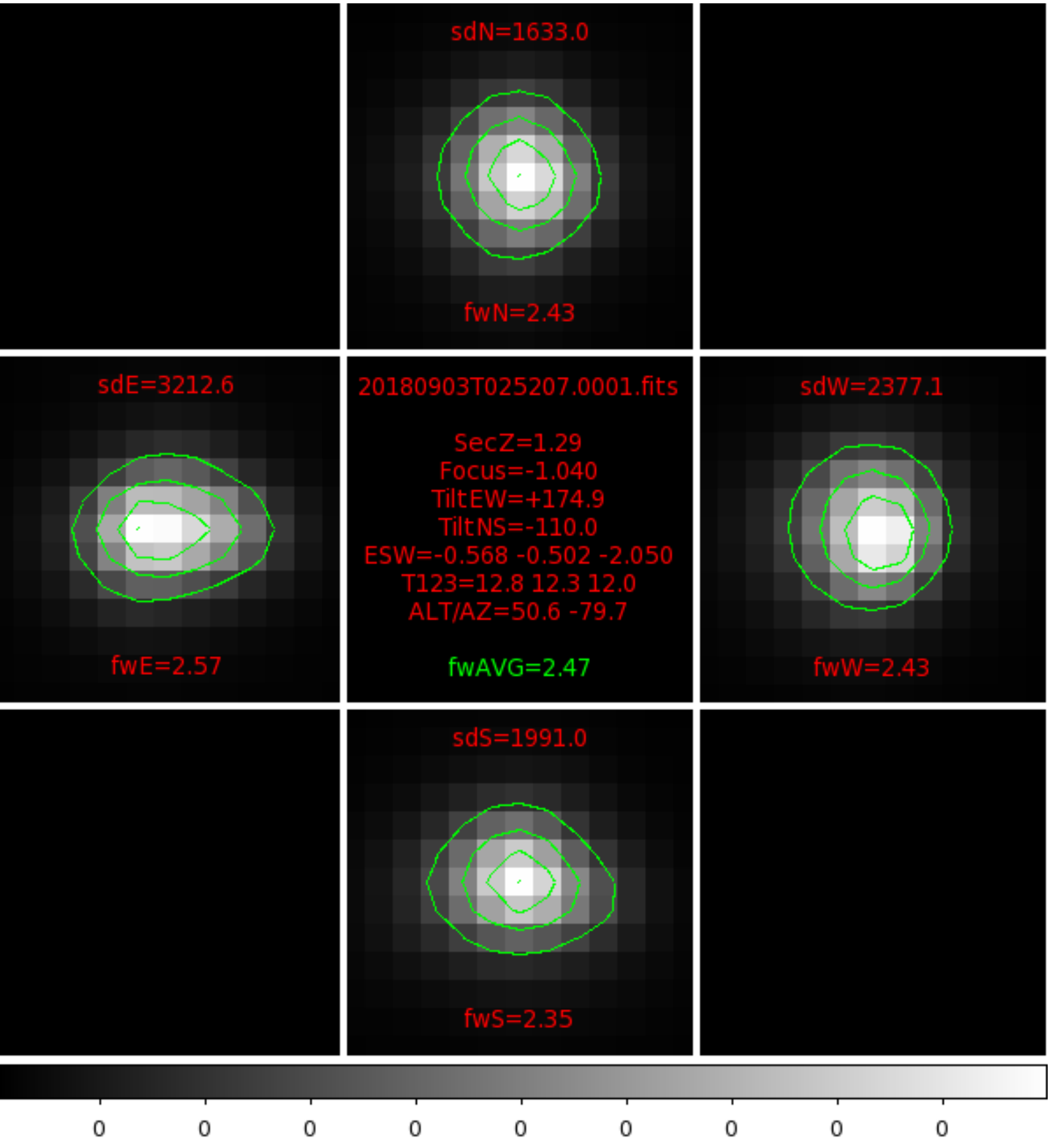
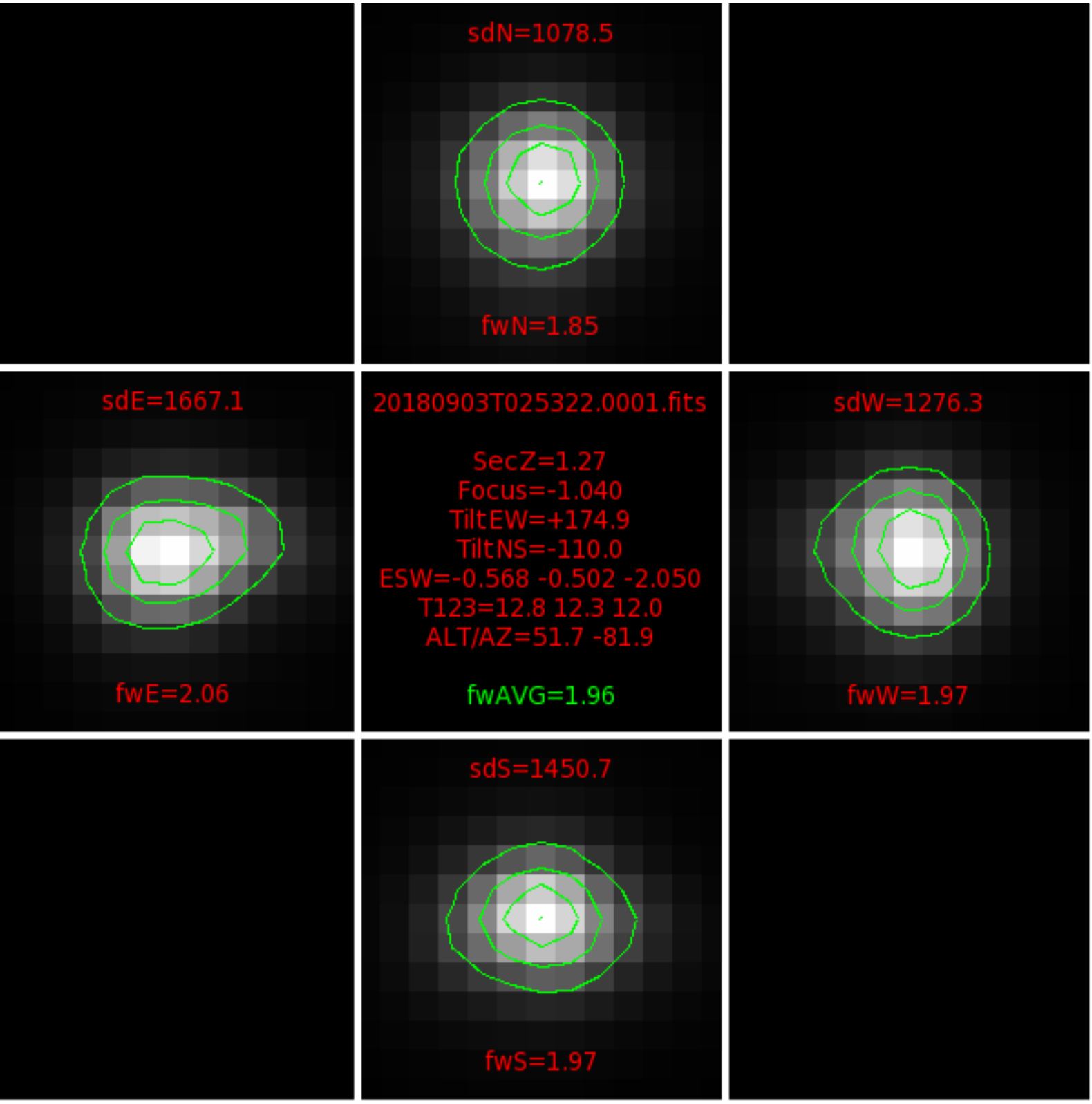

sdN=1633.0
fwN=2.43
sdE=3212.6
fwE=2.57
20180903T025207.0001.fits
SecZ=1.29
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.8 12.3 12.0
ALT/AZ=50.6 -79.7
fwAVG=2.47
sdW=2377.1
fwW=2.43
sdS=1991.0
fwS=2.35
0 0 0 0 0 0 0 0 0


sdN=1078.5
fwN=1.85
sdE=1667.1
fwE=2.06
20180903T025322.0001.fits
SecZ=1.27
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.8 12.3 12.0
ALT/AZ=51.7 -81.9
fwAVG=1.96
sdW=1276.3
fwW=1.97
sdS=1450.7
fwS=1.97
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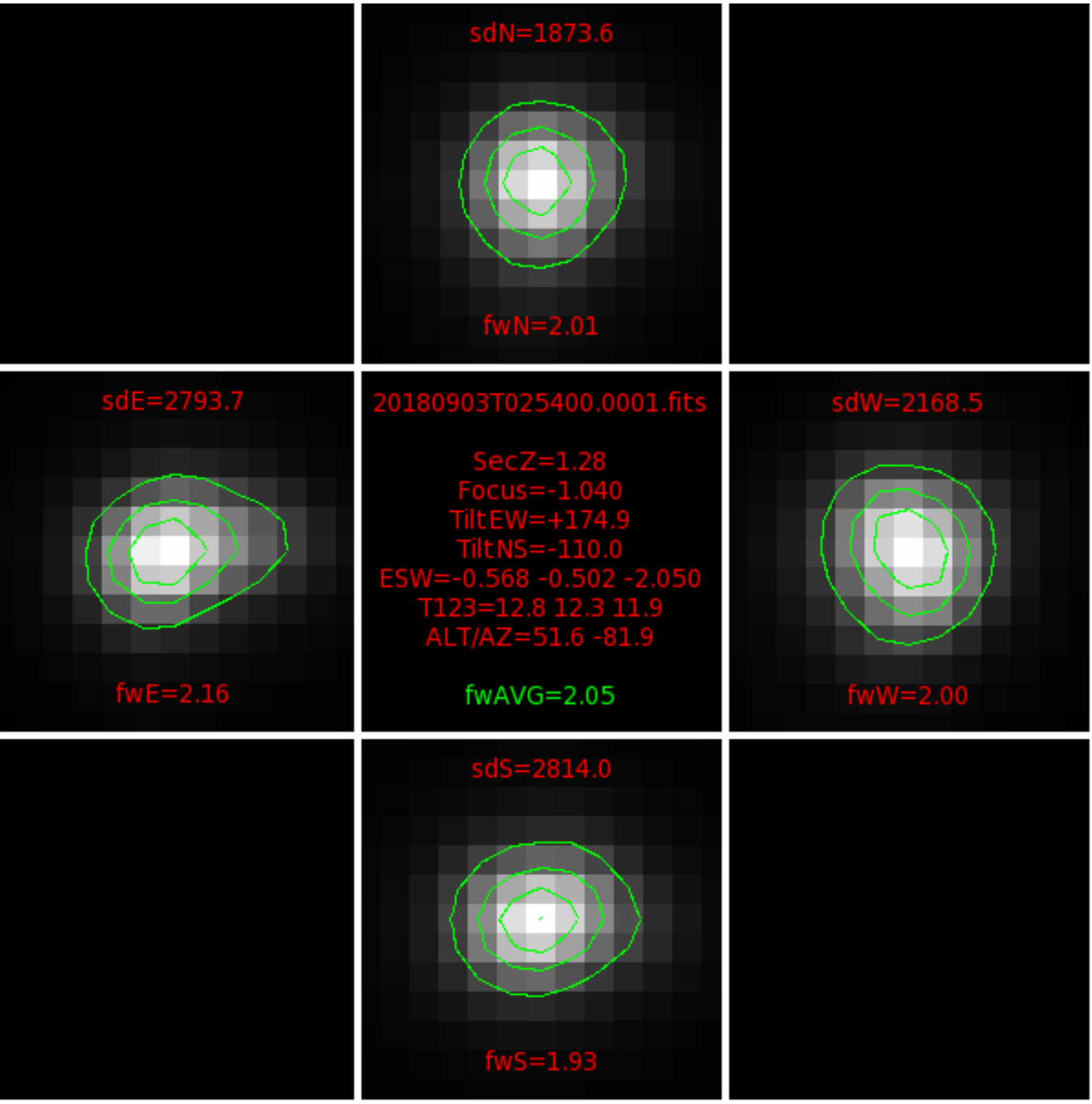
sdN=1873.6
fwN=2.01
sdE=2793.7
fwE=2.16
20180903T025400.0001.fits
SecZ=1.28
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.8 12.3 11.9
ALT/AZ=51.6 -81.9
fwAVG=2.05
sdW=2168.5
fwW=2.00
sdS=2814.0
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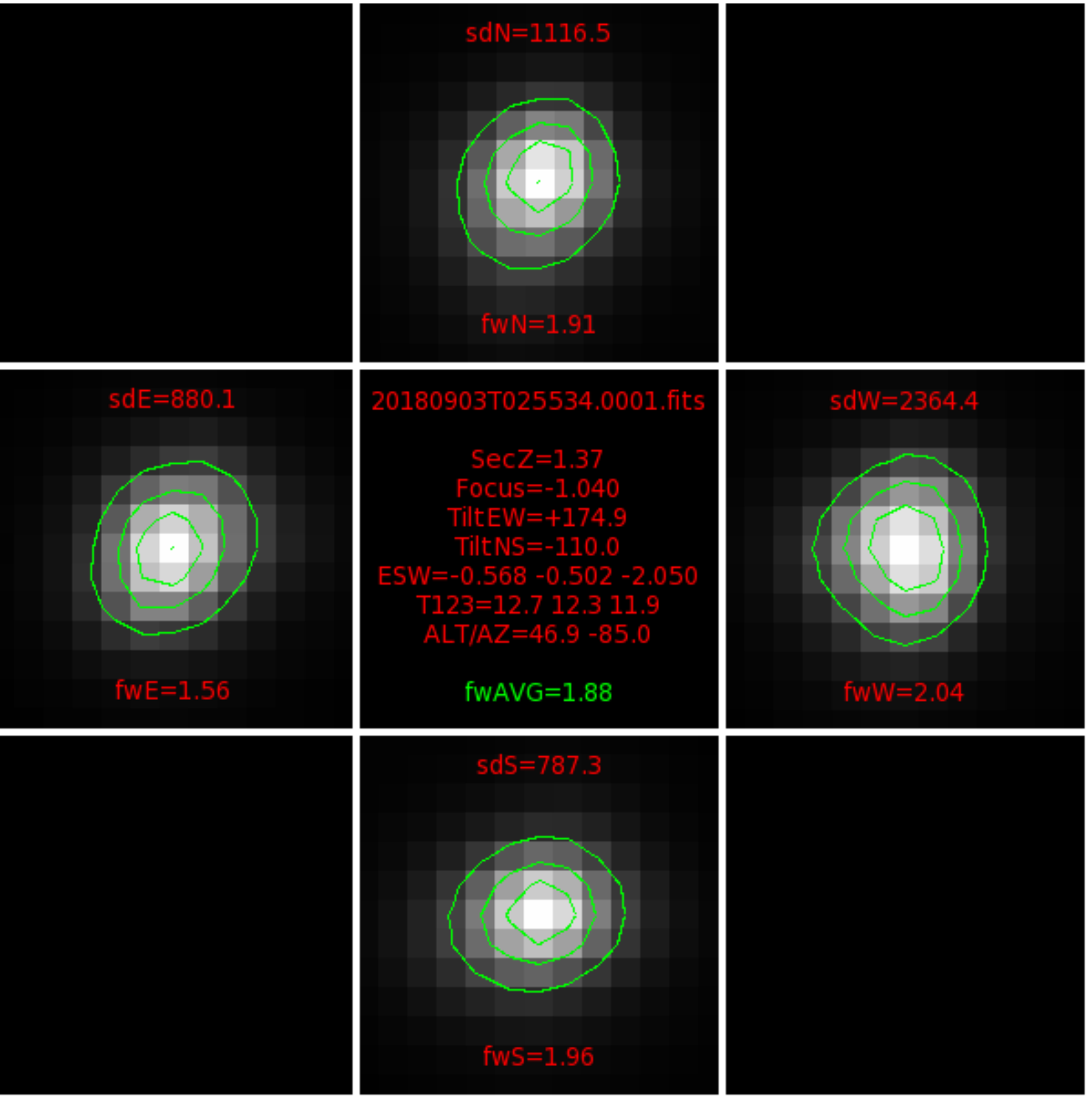
sdN=1116.5
fwN=1.91
sdE=880.1
fwE=1.56
20180903T025534.0001.fits
SecZ=1.37
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.7 12.3 11.9
ALT/AZ=46.9 -85.0
fwAVG=1.88
sdW=2364.4
fwW=2.04
sdS=787.3
fwS=1.96
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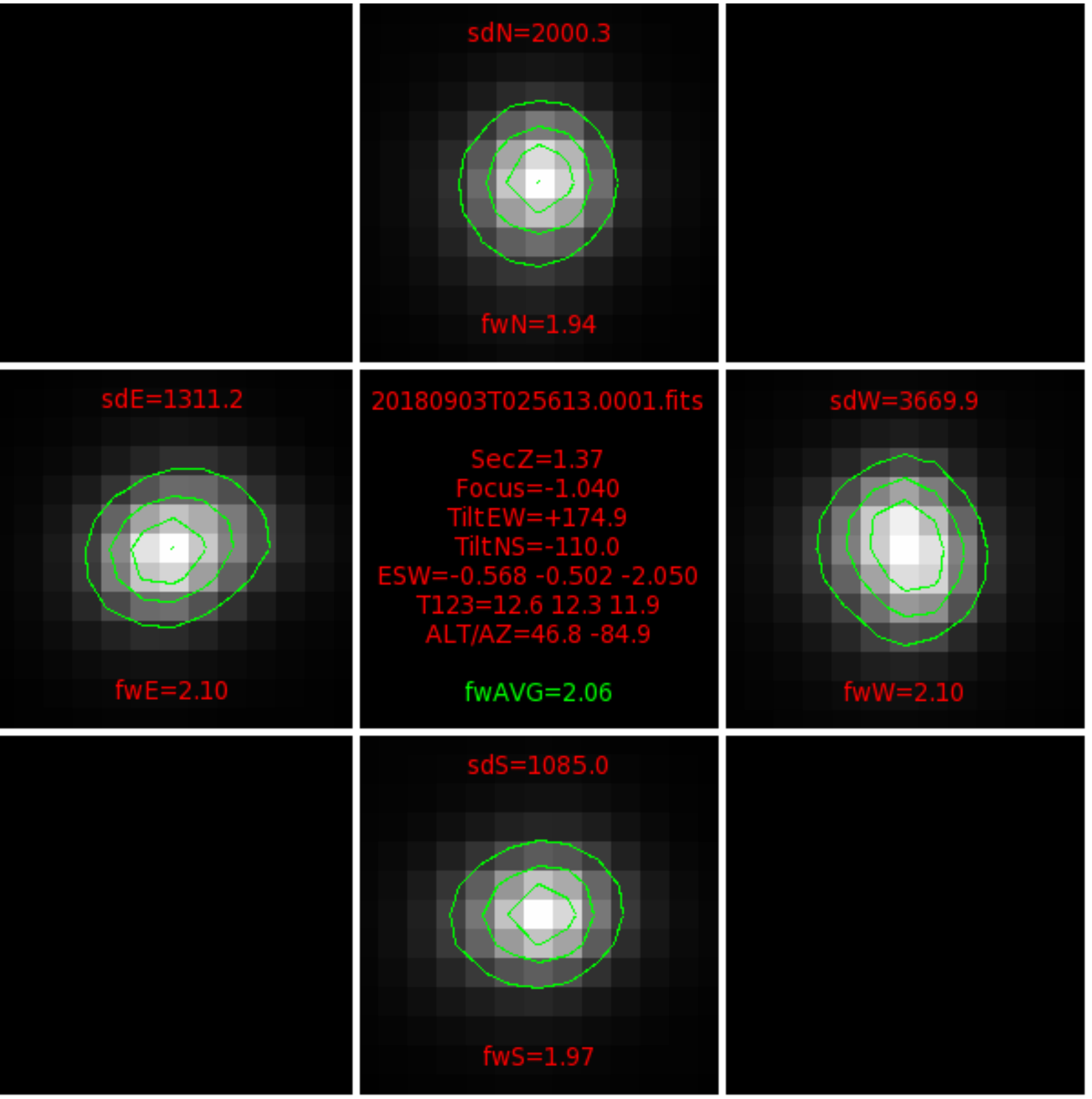
sdN=2000.3
fwN=1.94
sdE=1311.2
fwE=2.10
20180903T025613.0001.fits
SecZ=1.37
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.6 12.3 11.9
ALT/AZ=46.8 -84.9
fwAVG=2.06
sdW=3669.9
fwW=2.10
sdS=1085.0
fwS=1.97
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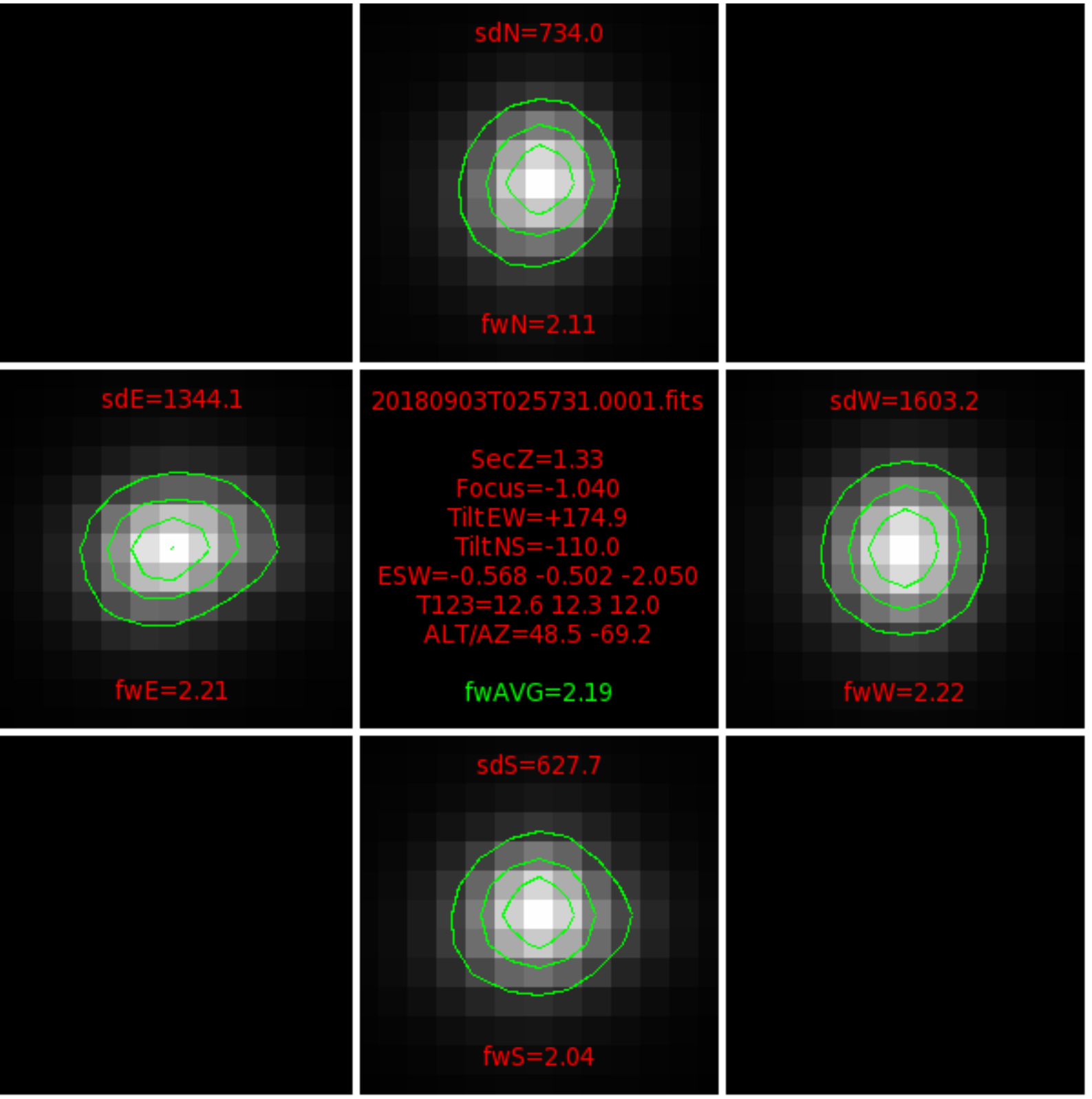
sdN=734.0
fwN=2.11
sdE=1344.1
fwE=2.21
20180903T025731.0001.fits
SecZ=1.33
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.6 12.3 12.0
ALT/AZ=48.5 -69.2
fwAVG=2.19
sdW=1603.2
fwW=2.22
sdS=627.7
fwS=2.04
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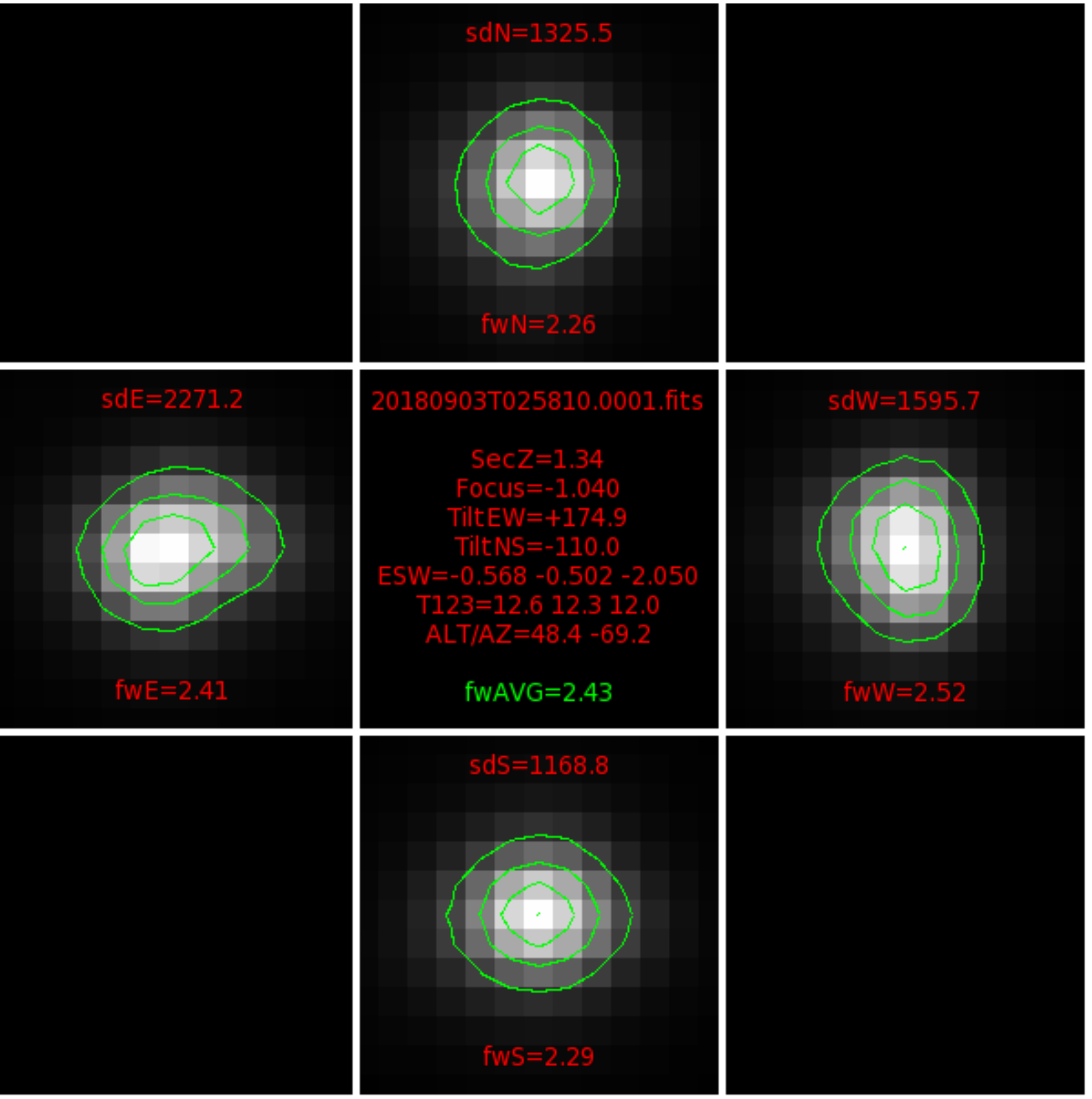
sdN=1325.5
fwN=2.26
sdE=2271.2
fwE=2.41
20180903T025810.0001.fits
SecZ=1.34
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.6 12.3 12.0
ALT/AZ=48.4 -69.2
fwAVG=2.43
sdW=1595.7
fwW=2.52
sdS=1168.8
fwS=2.29
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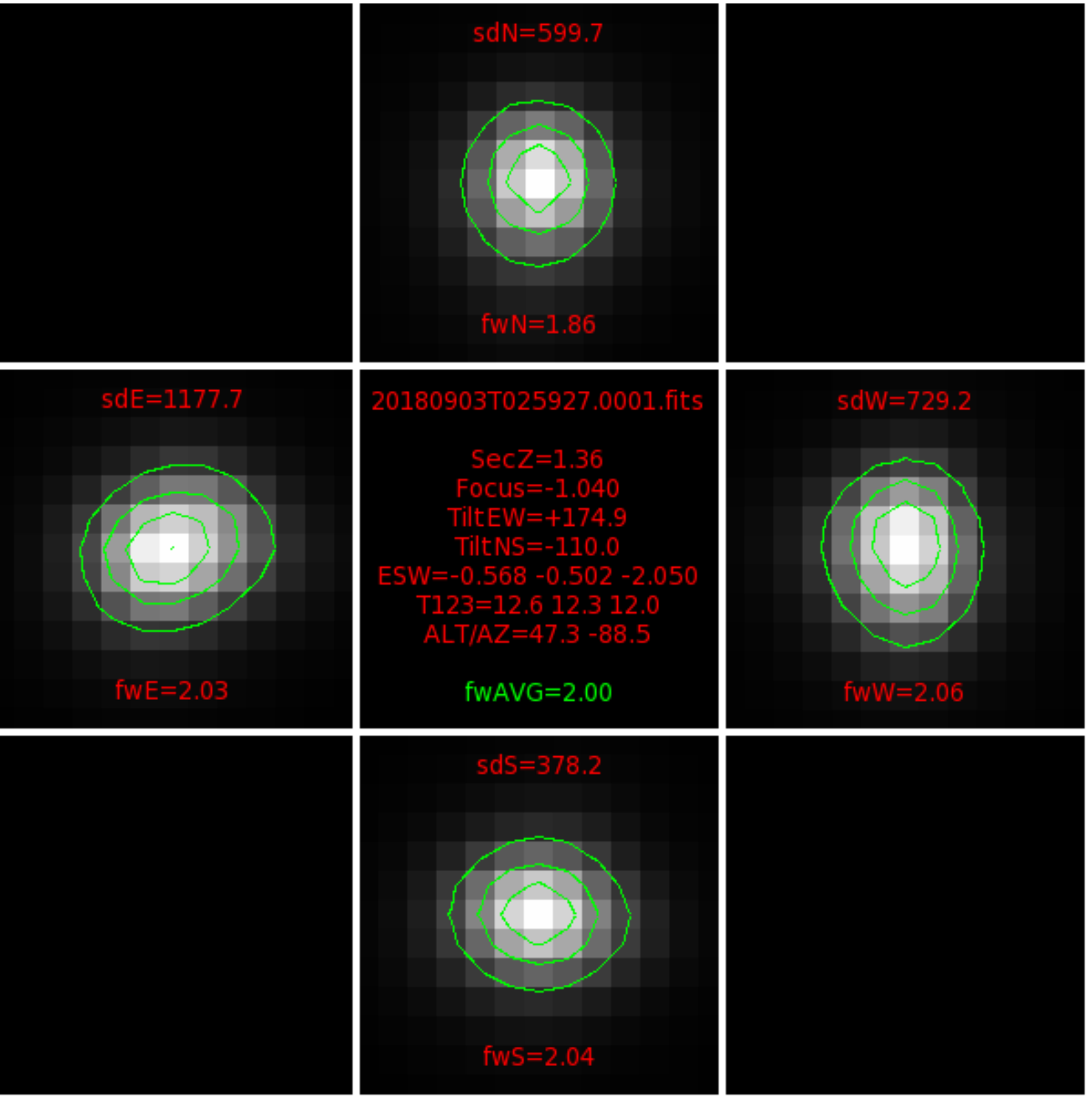
sdN=599.7
fwN=1.86
sdE=1177.7
fwE=2.03
20180903T025927.0001.fits
SecZ=1.36
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.6 12.3 12.0
ALT/AZ=47.3 -88.5
fwAVG=2.00
sdW=729.2
fwW=2.06
sdS=378.2
fwS=2.04
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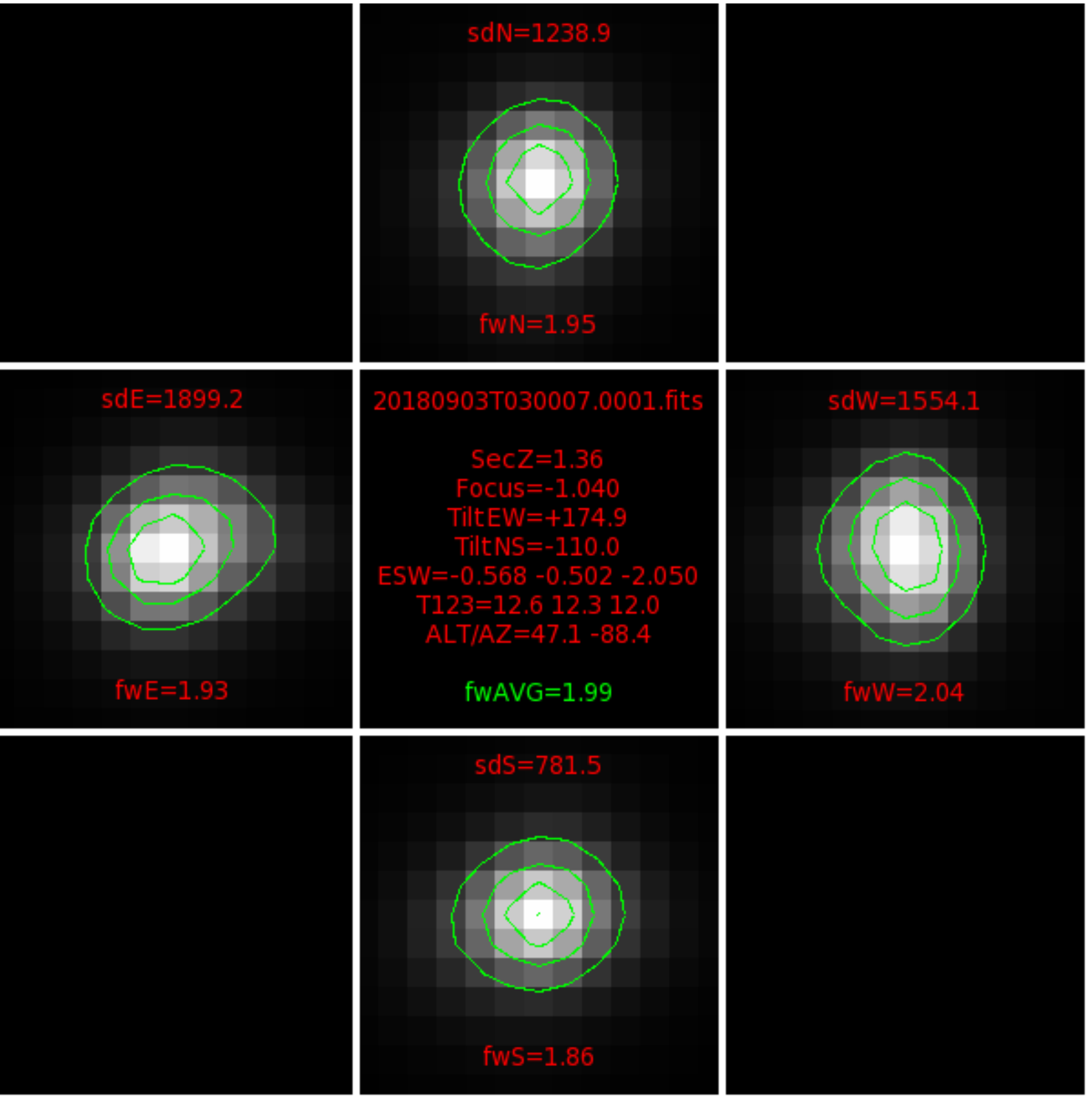
sdN=1238.9
fwN=1.95
sdE=1899.2
fwE=1.93
20180903T030007.0001.fits
SecZ=1.36
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.6 12.3 12.0
ALT/AZ=47.1 -88.4
fwAVG=1.99
sdW=1554.1
fwW=2.04
sdS=781.5
fwS=1.86
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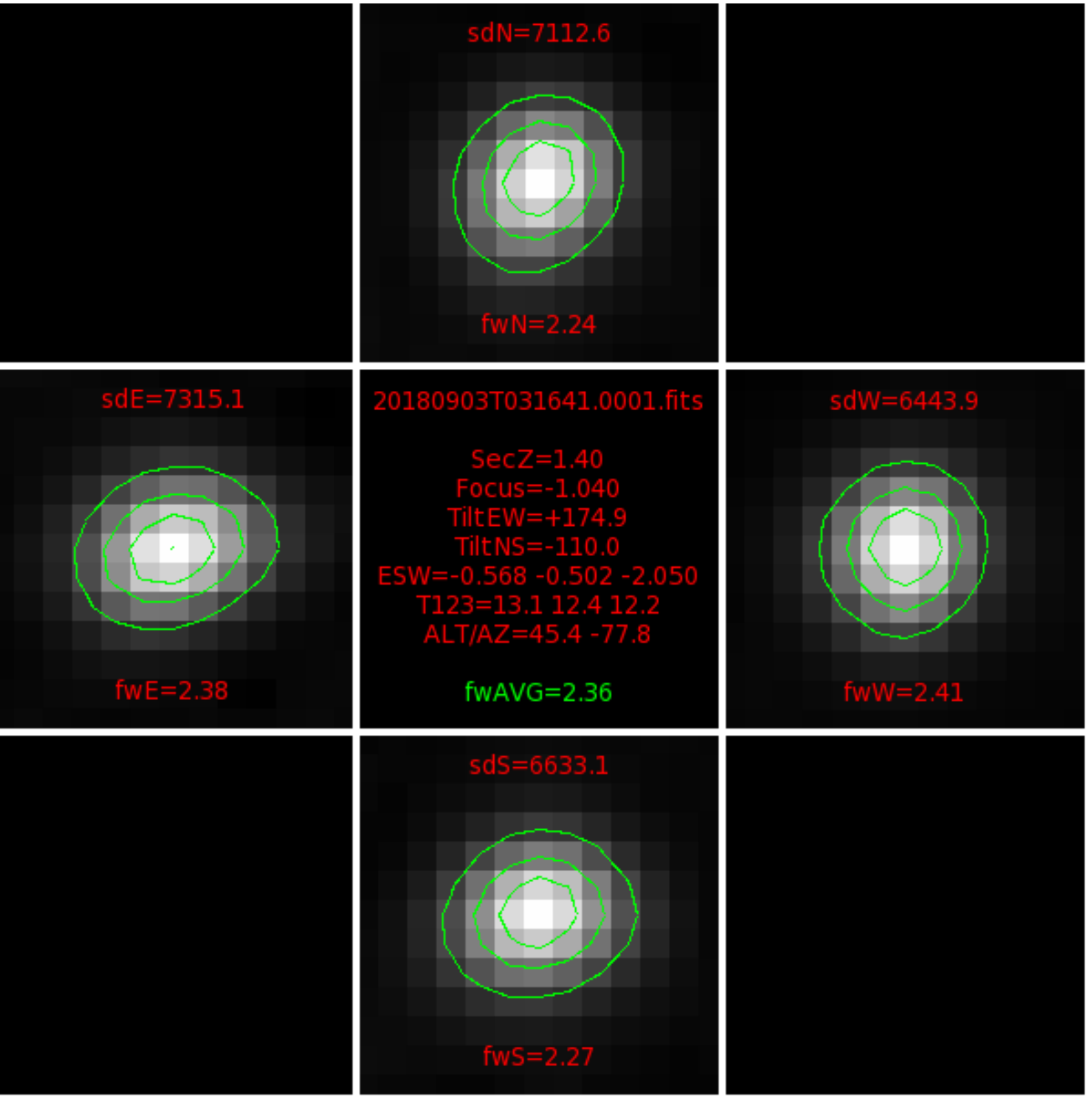
sdN=7112.6
fwN=2.24
sdE=7315.1
fwE=2.38
20180903T031641.0001.fits
SecZ=1.40
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=13.1 12.4 12.2
ALT/AZ=45.4 -77.8
fwAVG=2.36
sdW=6443.9
fwW=2.41
sdS=6633.1
fwS=2.27
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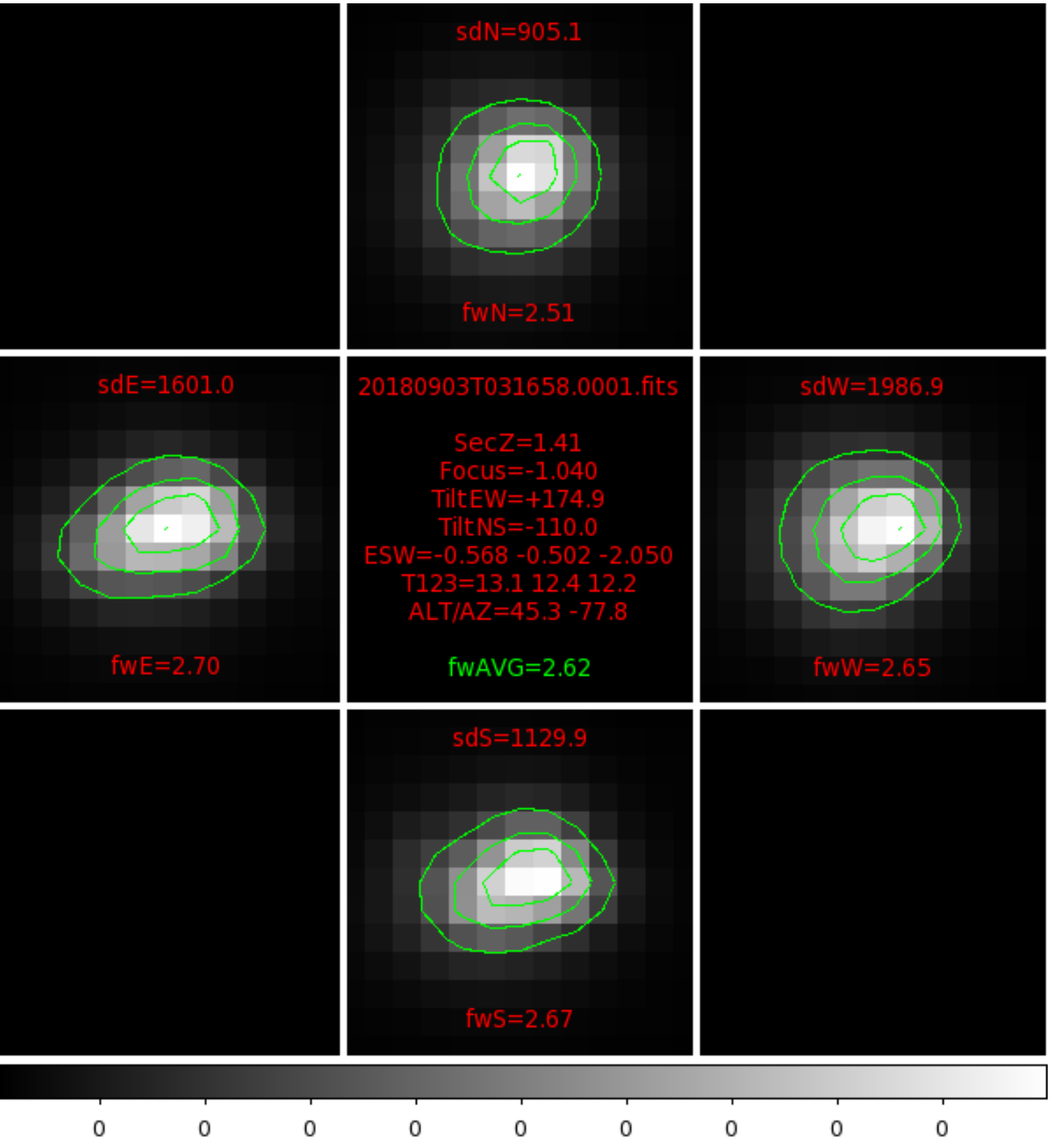
sdN=905.1
fwN=2.51
sdE=1601.0
fwE=2.70
20180903T031658.0001.fits
SecZ=1.41
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=13.1 12.4 12.2
ALT/AZ=45.3 -77.8
fwAVG=2.62
sdW=1986.9
fwW=2.65
sdS=1129.9
fwS=2.67
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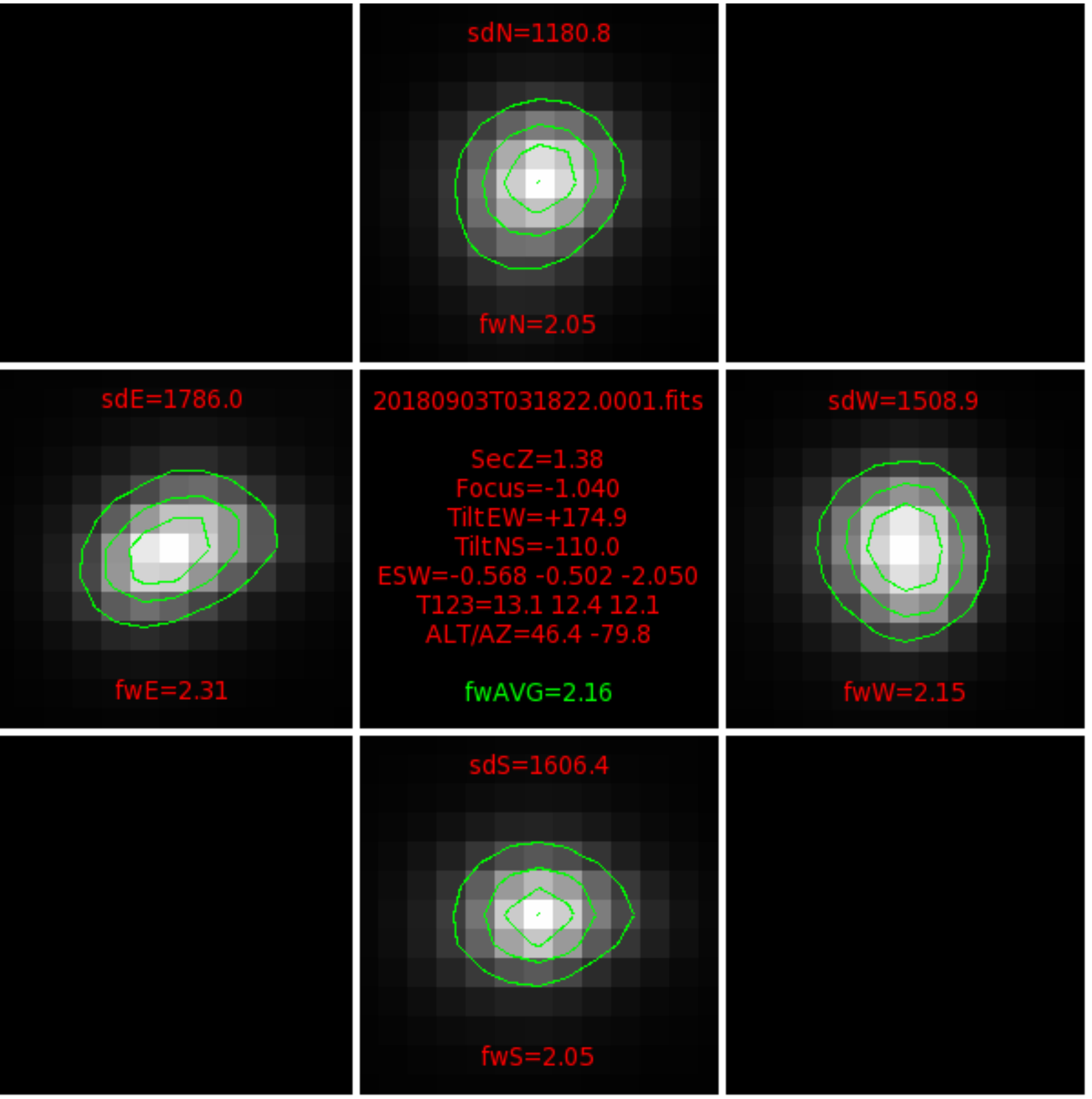
sdN=1180.8
fwN=2.05
sdE=1786.0
fwE=2.31
20180903T031822.0001.fits
SecZ=1.38
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=13.1 12.4 12.1
ALT/AZ=46.4 -79.8
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sdW=1508.9
fwW=2.15
sdS=1606.4
fwS=2.05
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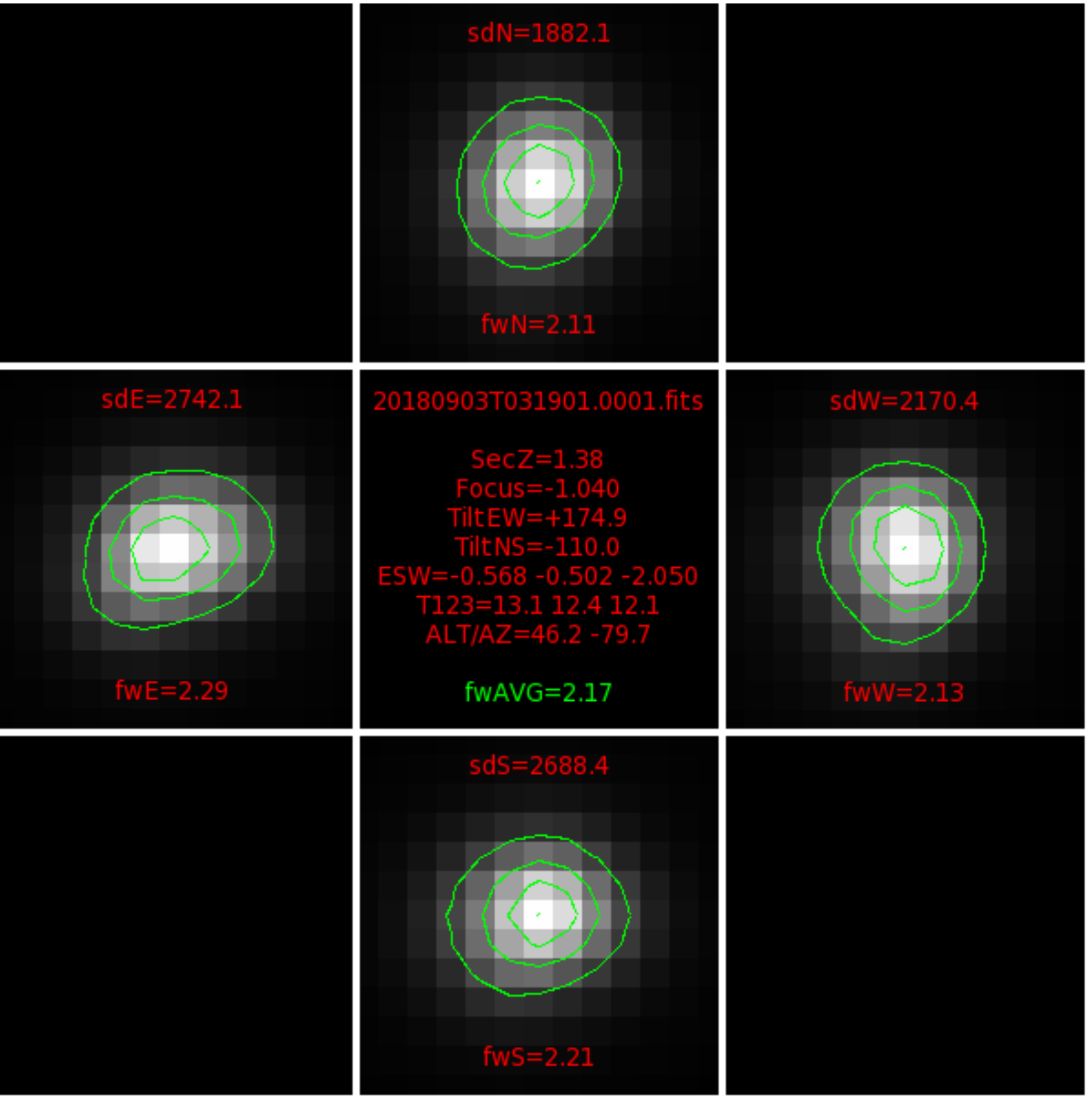
sdN=1882.1
fwN=2.11
sdE=2742.1
fwE=2.29
20180903T031901.0001.fits
SecZ=1.38
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=13.1 12.4 12.1
ALT/AZ=46.2 -79.7
fwAVG=2.17
sdW=2170.4
fwW=2.13
sdS=2688.4
fwS=2.21
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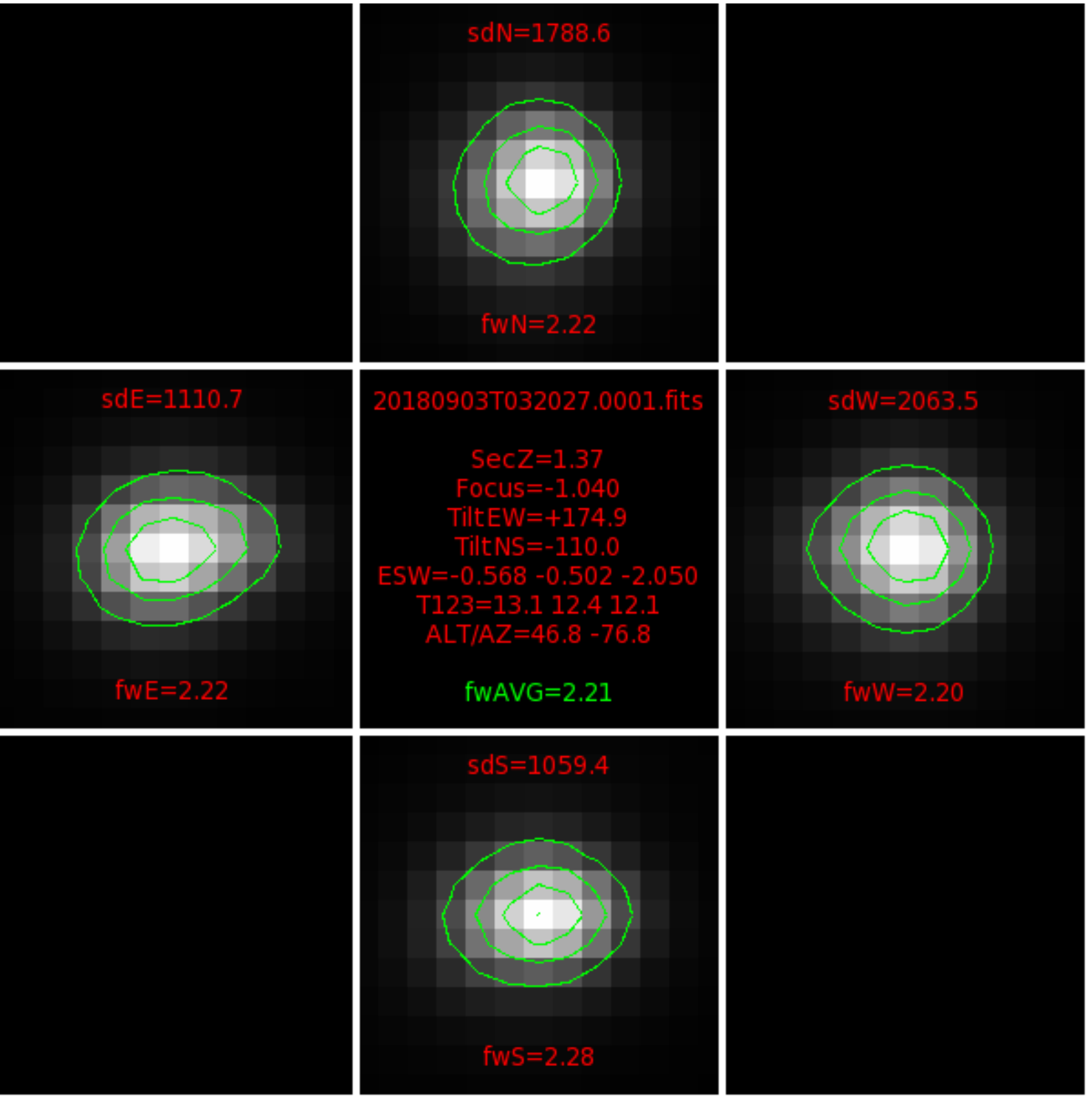
sdN=1788.6
fwN=2.22
sdE=1110.7
fwE=2.22
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SecZ=1.37
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=13.1 12.4 12.1
ALT/AZ=46.8 -76.8
fwAVG=2.21
sdW=2063.5
fwW=2.20
sdS=1059.4
fwS=2.28
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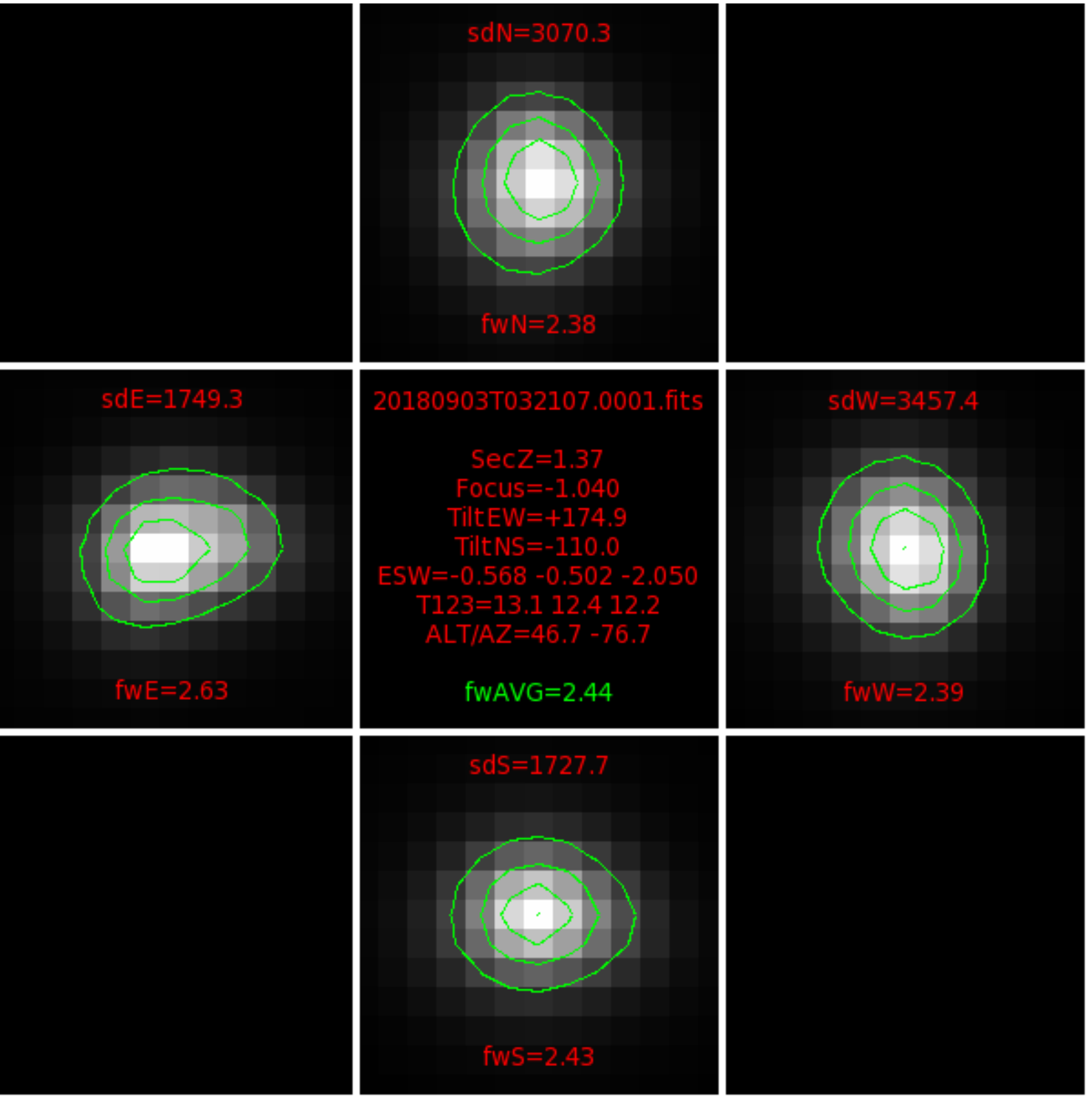
sdN=3070.3
fwN=2.38
sdE=1749.3
fwE=2.63
20180903T032107.0001.fits
SecZ=1.37
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=13.1 12.4 12.2
ALT/AZ=46.7 -76.7
fwAVG=2.44
sdW=3457.4
fwW=2.39
sdS=1727.7
fwS=2.43
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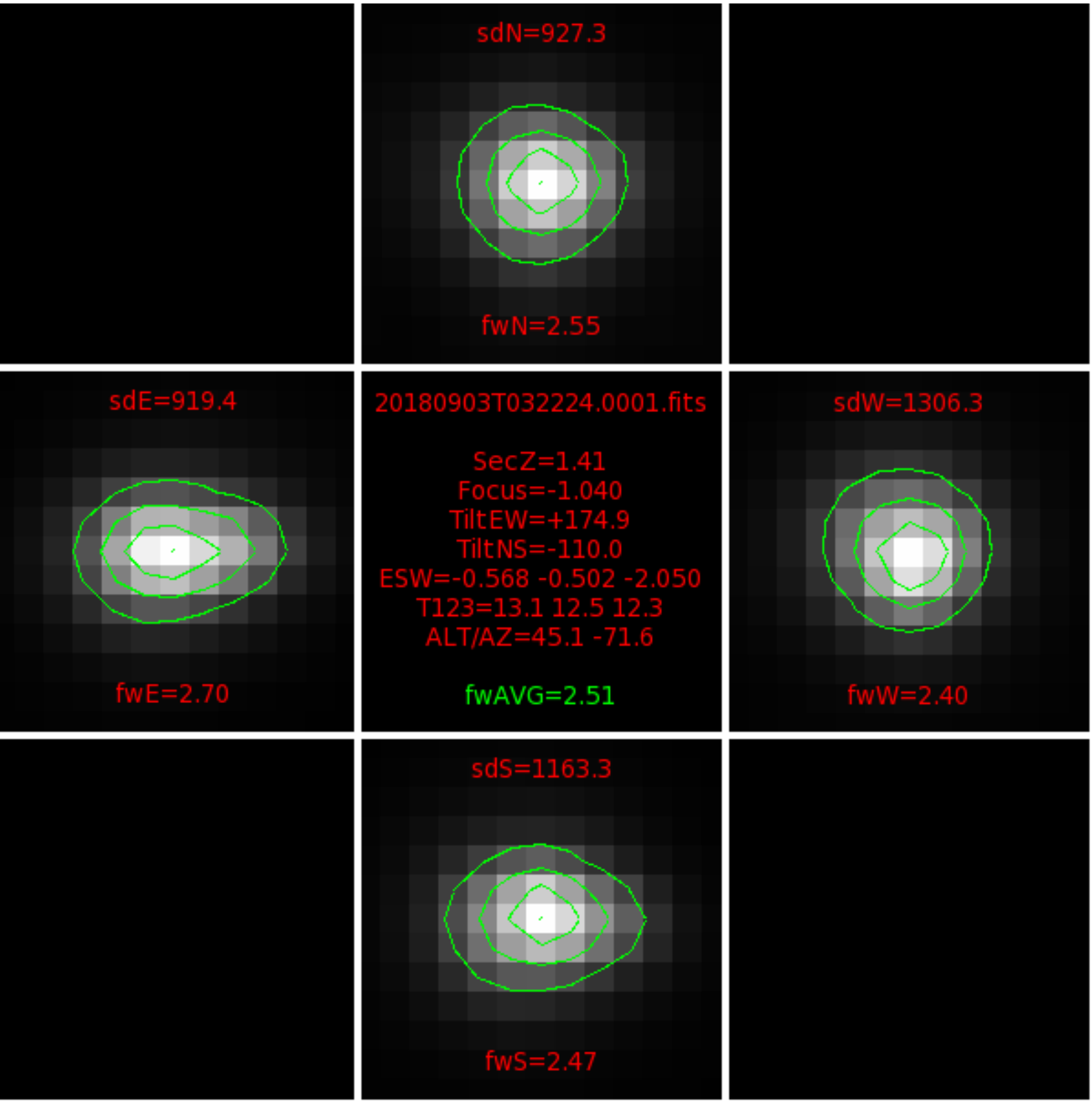
sdN=927.3
fwN=2.55
sdE=919.4
fwE=2.70
20180903T032224.0001.fits
SecZ=1.41
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=13.1 12.5 12.3
ALT/AZ=45.1 -71.6
fwAVG=2.51
sdW=1306.3
fwW=2.40
sdS=1163.3
fwS=2.47
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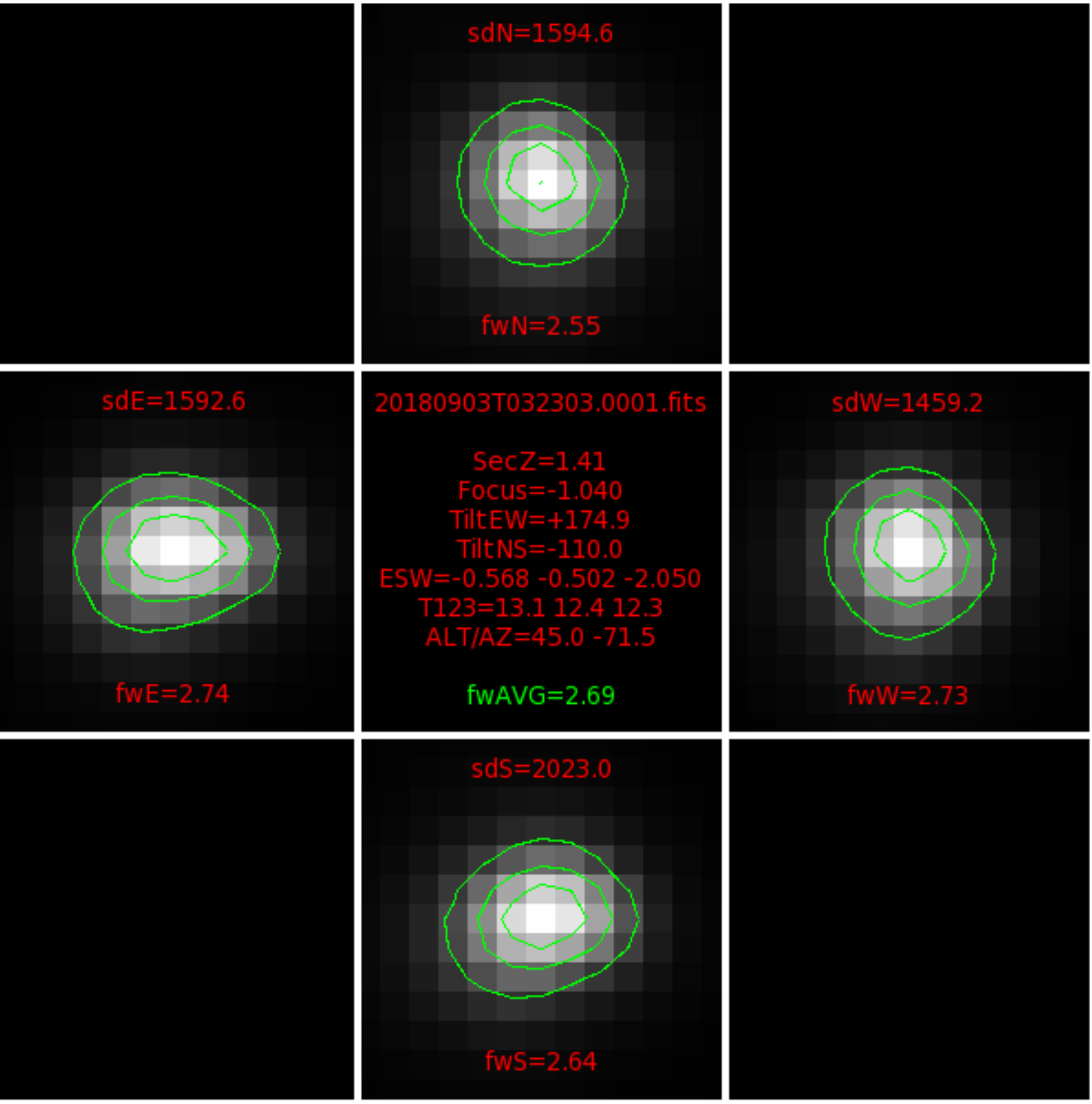
sdN=1594.6
fwN=2.55
sdE=1592.6
fwE=2.74
20180903T032303.0001.fits
SecZ=1.41
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=13.1 12.4 12.3
ALT/AZ=45.0 -71.5
fwAVG=2.69
sdW=1459.2
fwW=2.73
sdS=2023.0
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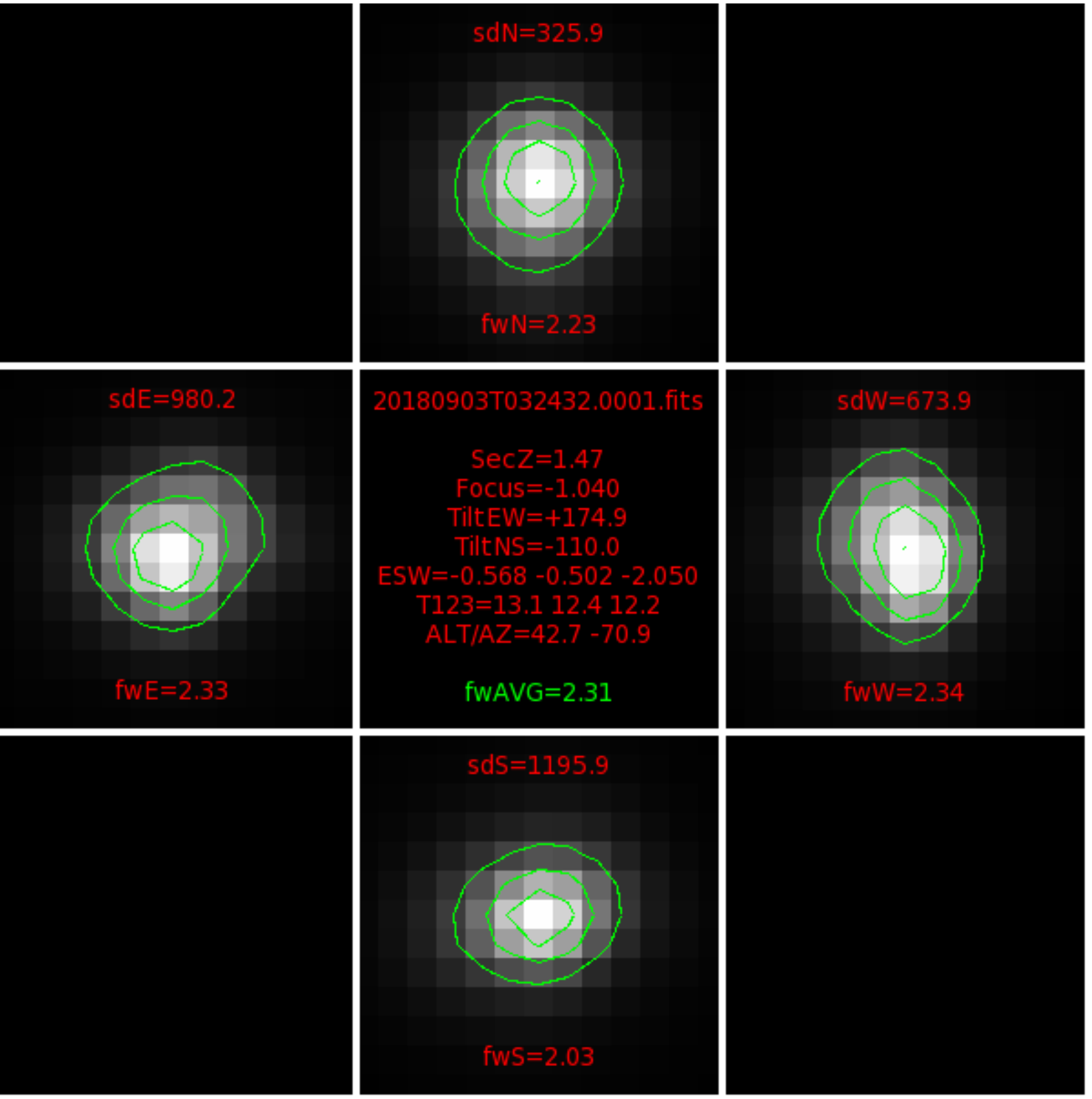
sdN=325.9
fwN=2.23
sdE=980.2
fwE=2.33
20180903T032432.0001.fits
SecZ=1.47
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=13.1 12.4 12.2
ALT/AZ=42.7 -70.9
fwAVG=2.31
sdW=673.9
fwW=2.34
sdS=1195.9
fwS=2.03
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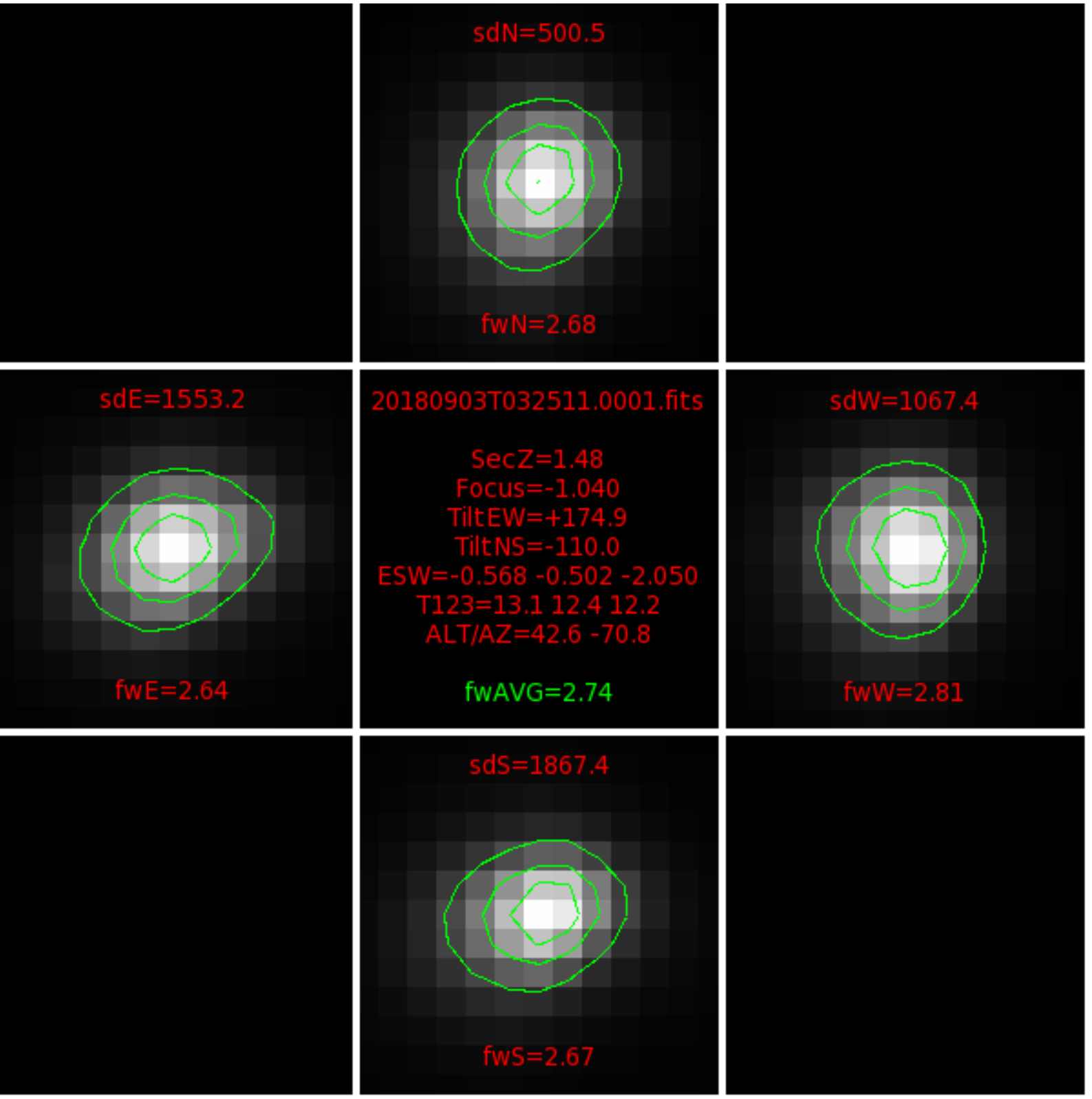
sdN=500.5
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sdE=1553.2
fwE=2.64
20180903T032511.0001.fits
SecZ=1.48
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=13.1 12.4 12.2
ALT/AZ=42.6 -70.8
fwAVG=2.74
sdW=1067.4
fwW=2.81
sdS=1867.4
fwS=2.67
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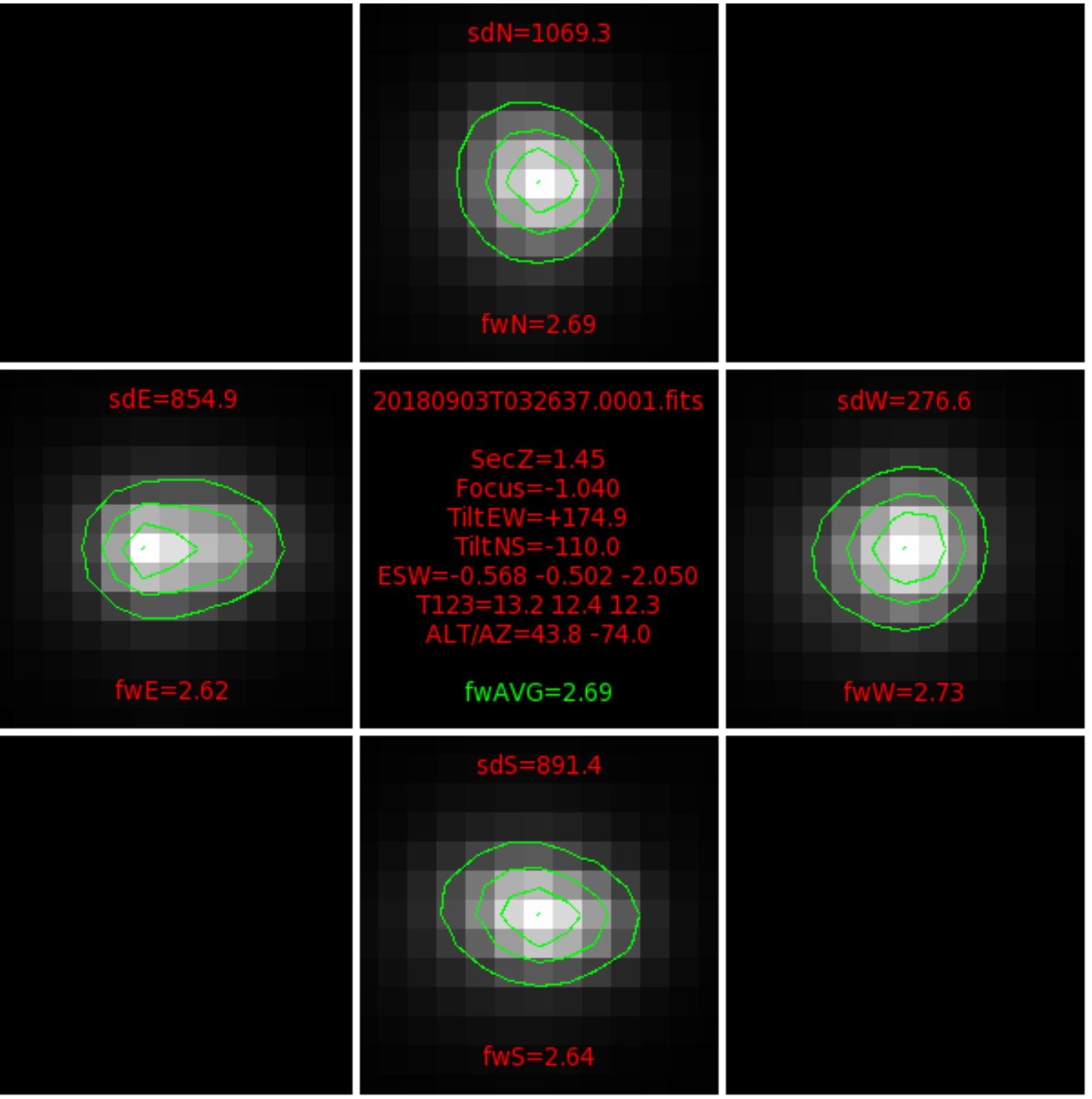
sdN=1069.3
fwN=2.69
sdE=854.9
fwE=2.62
20180903T032637.0001.fits
SecZ=1.45
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=13.2 12.4 12.3
ALT/AZ=43.8 -74.0
fwAVG=2.69
sdW=276.6
fwW=2.73
sdS=891.4
fwS=2.64
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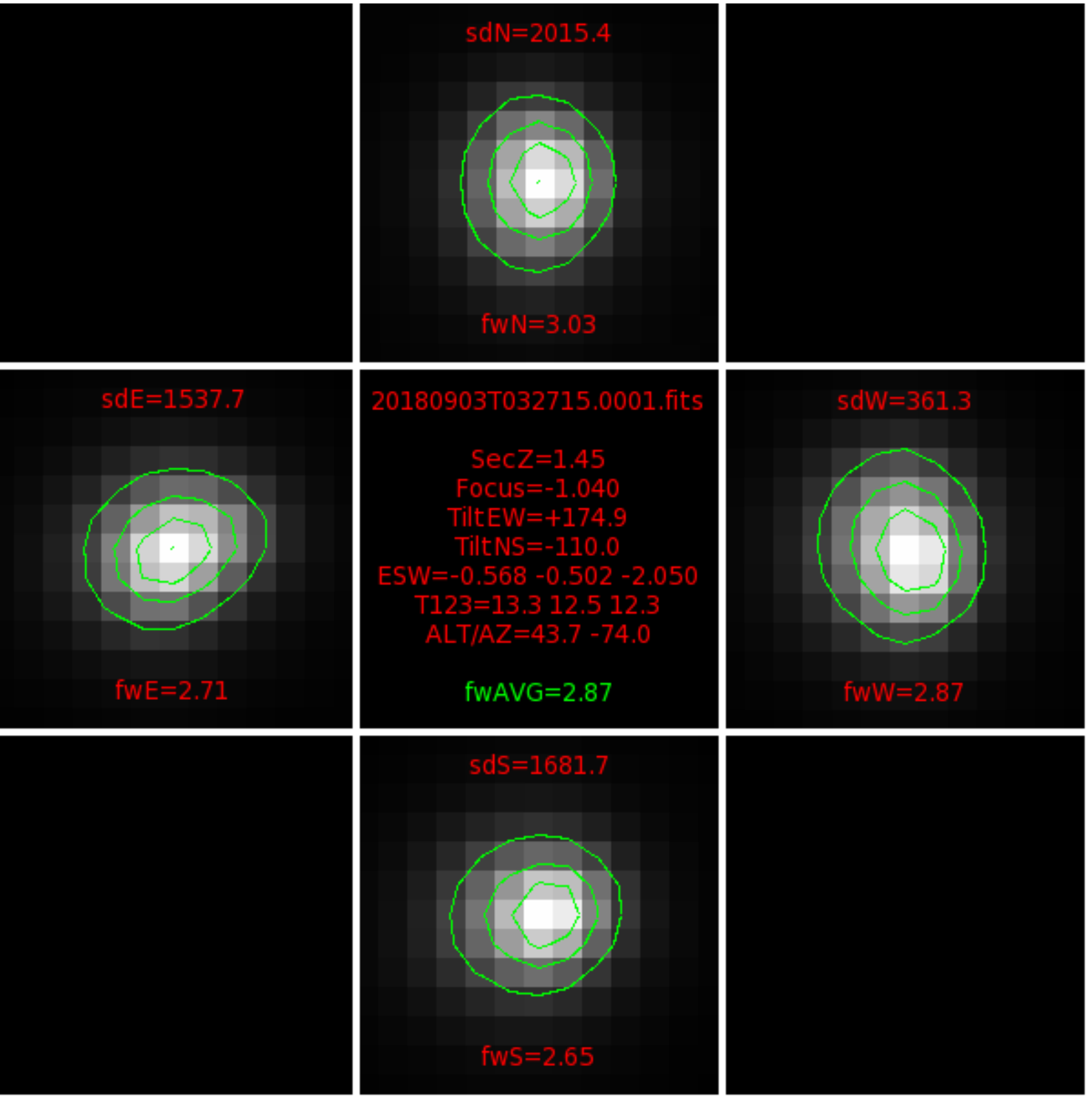
sdN=2015.4
fwN=3.03
sdE=1537.7
fwE=2.71
20180903T032715.0001.fits
SecZ=1.45
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=13.3 12.5 12.3
ALT/AZ=43.7 -74.0
fwAVG=2.87
sdW=361.3
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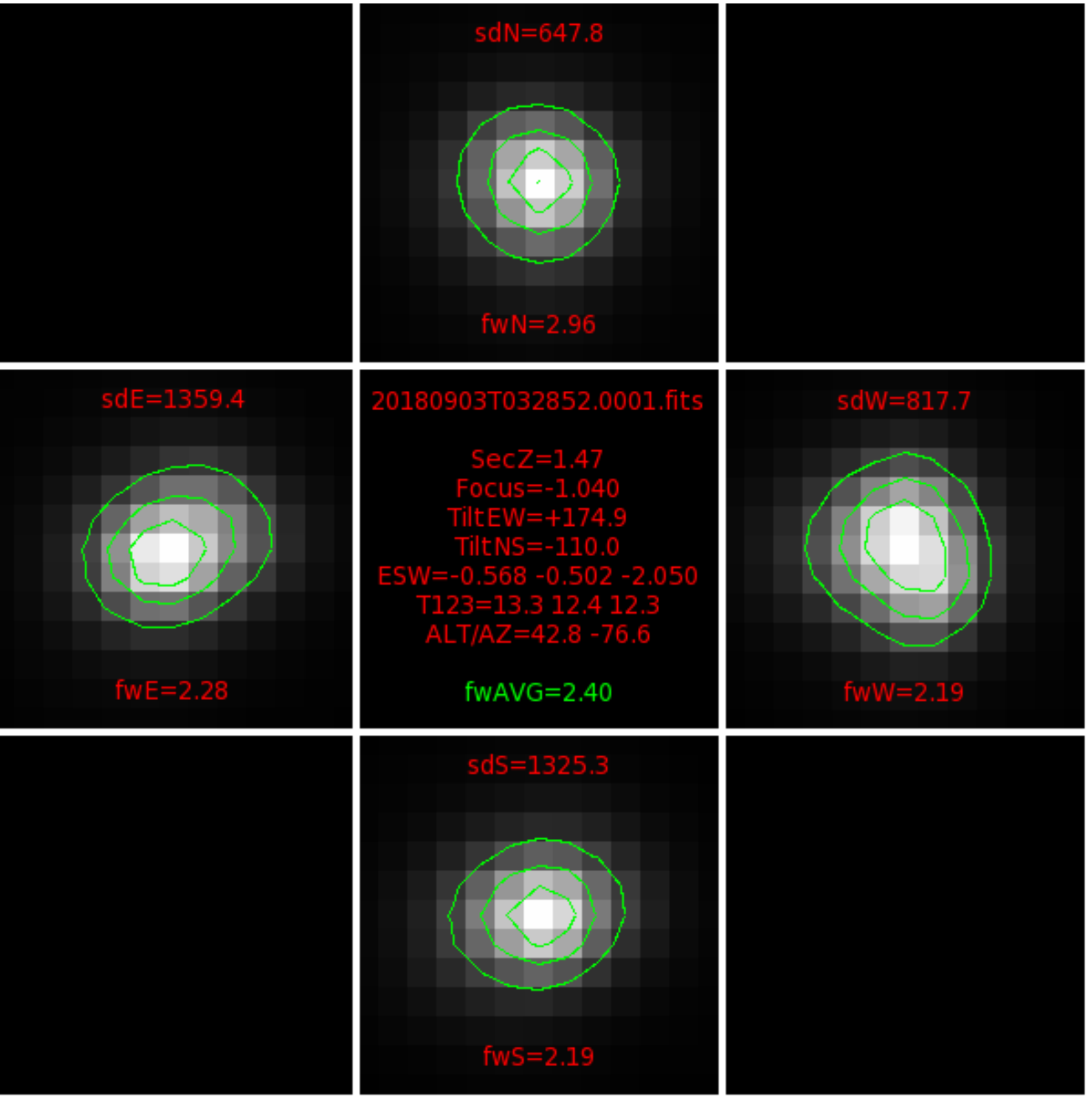
sdN=647.8
fwN=2.96
sdE=1359.4
fwE=2.28
20180903T032852.0001.fits
SecZ=1.47
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=13.3 12.4 12.3
ALT/AZ=42.8 -76.6
fwAVG=2.40
sdW=817.7
fwW=2.19
sdS=1325.3
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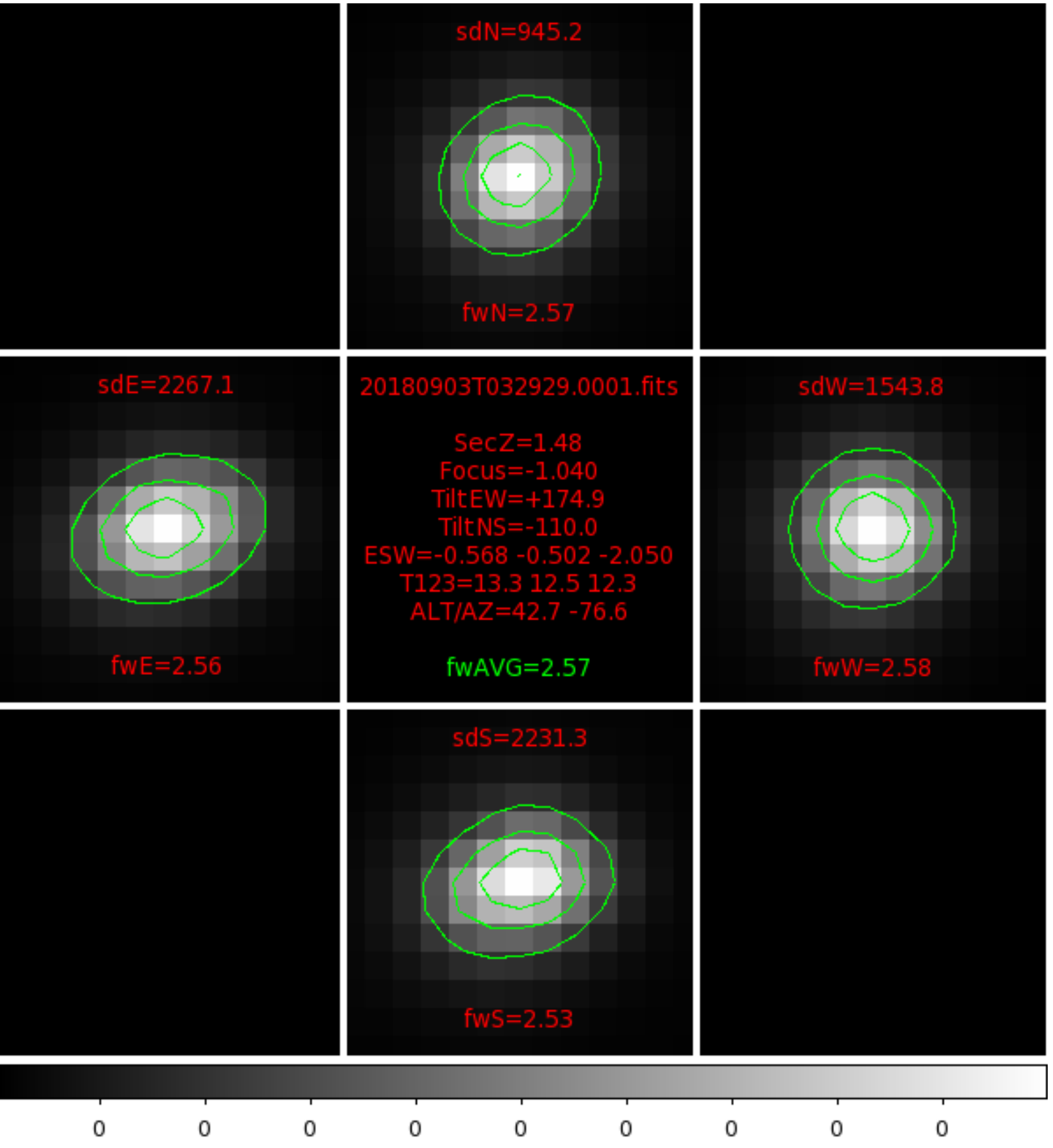
sdN=945.2
fwN=2.57
sdE=2267.1
fwE=2.56
20180903T032929.0001.fits
SecZ=1.48
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=13.3 12.5 12.3
ALT/AZ=42.7 -76.6
fwAVG=2.57
sdW=1543.8
fwW=2.58
sdS=2231.3
fwS=2.53
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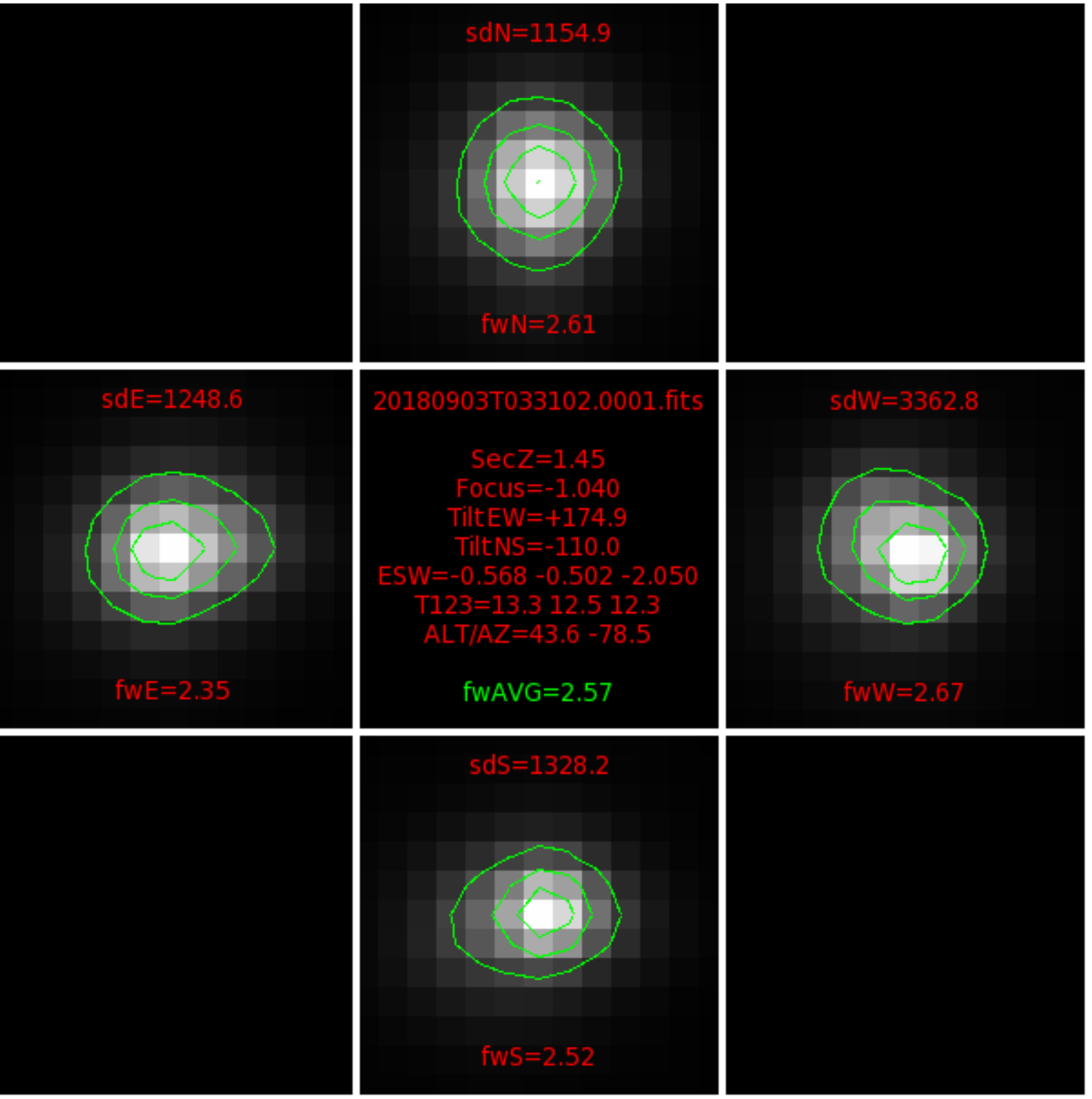
sdN=1154.9
fwN=2.61
sdE=1248.6
fwE=2.35
20180903T033102.0001.fits
SecZ=1.45
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=13.3 12.5 12.3
ALT/AZ=43.6 -78.5
fwAVG=2.57
sdW=3362.8
fwW=2.67
sdS=1328.2
fwS=2.52
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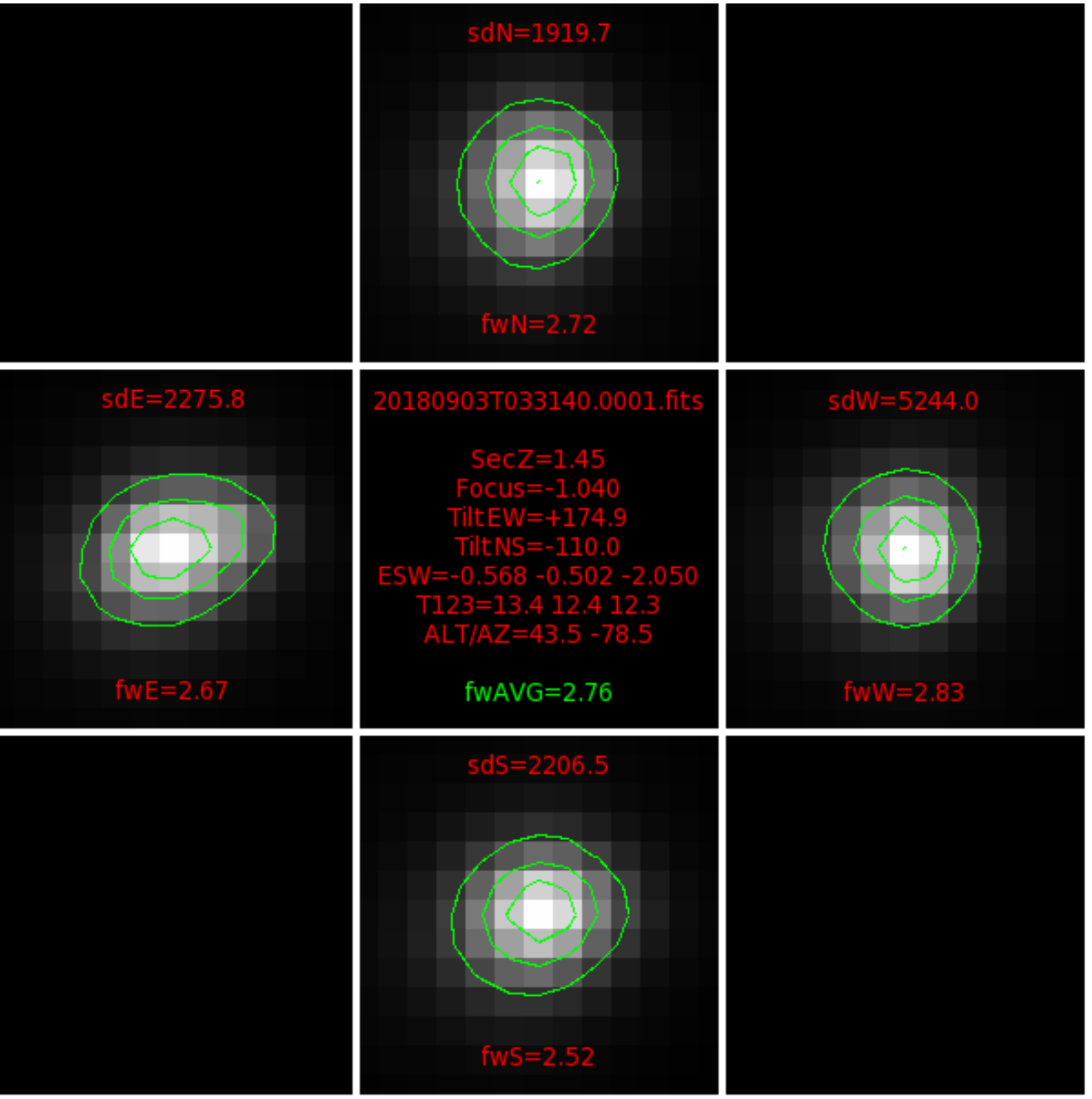
sdN=1919.7
fwN=2.72
sdE=2275.8
fwE=2.67
20180903T033140.0001.fits
SecZ=1.45
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=13.4 12.4 12.3
ALT/AZ=43.5 -78.5
fwAVG=2.76
sdW=5244.0
fwW=2.83
sdS=2206.5
fwS=2.52
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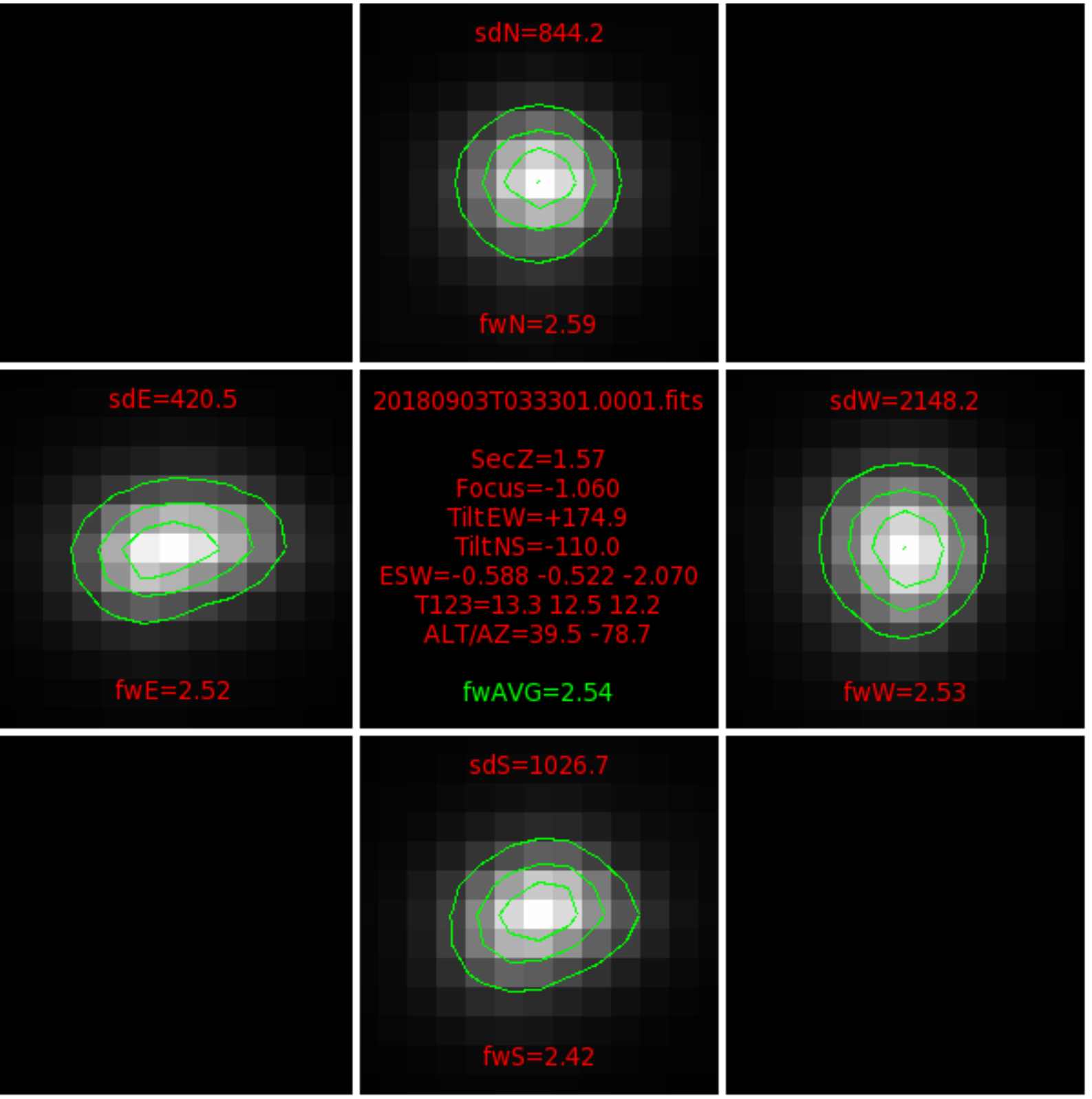
sdN=844.2
fwN=2.59
sdE=420.5
fwE=2.52
20180903T033301.0001.fits
SecZ=1.57
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.3 12.5 12.2
ALT/AZ=39.5 -78.7
fwAVG=2.54
sdW=2148.2
fwW=2.53
sdS=1026.7
fwS=2.42
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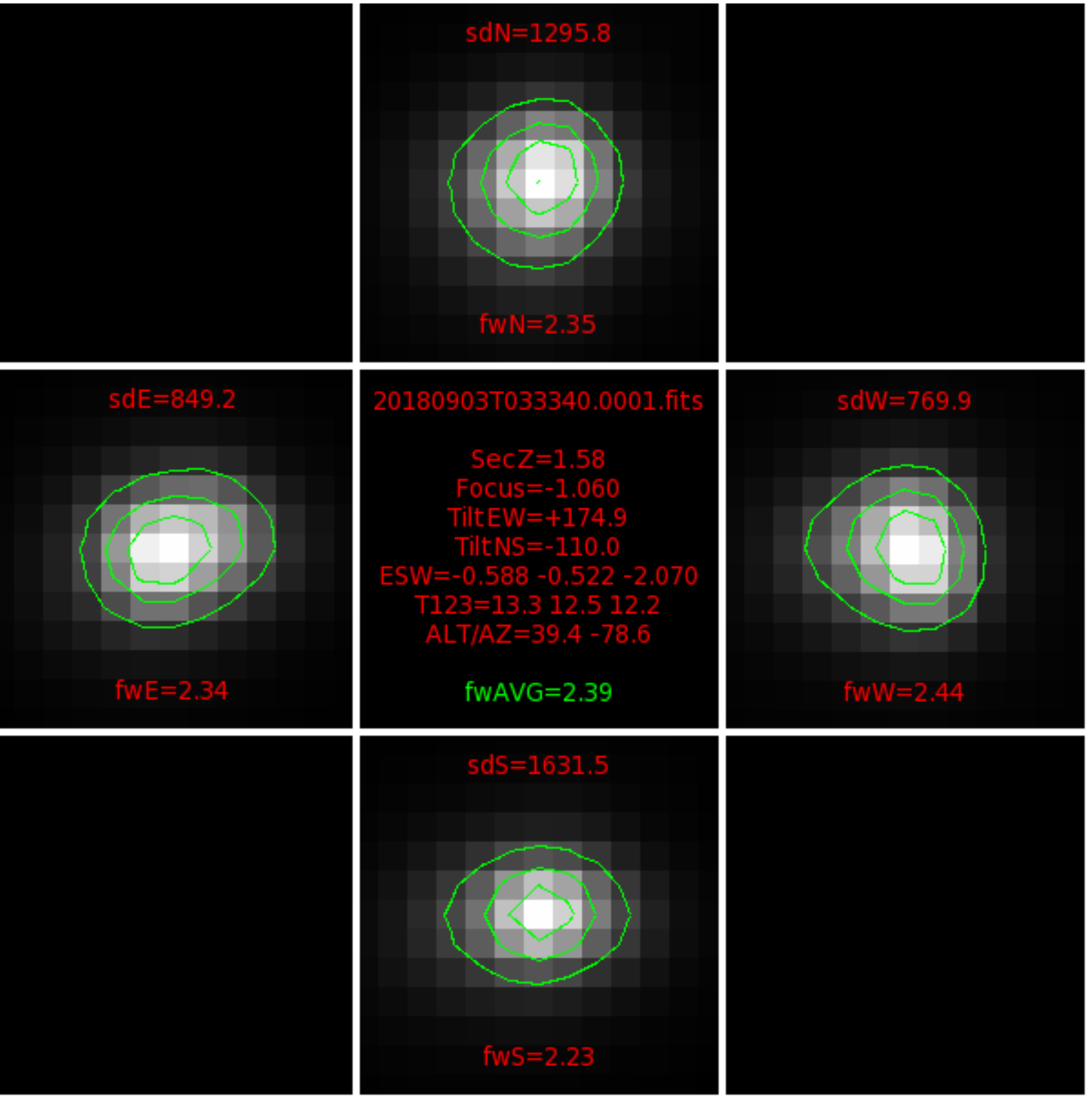
sdN=1295.8
fwN=2.35
sdE=849.2
fwE=2.34
20180903T033340.0001.fits
SecZ=1.58
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.3 12.5 12.2
ALT/AZ=39.4 -78.6
fwAVG=2.39
sdW=769.9
fwW=2.44
sdS=1631.5
fwS=2.23
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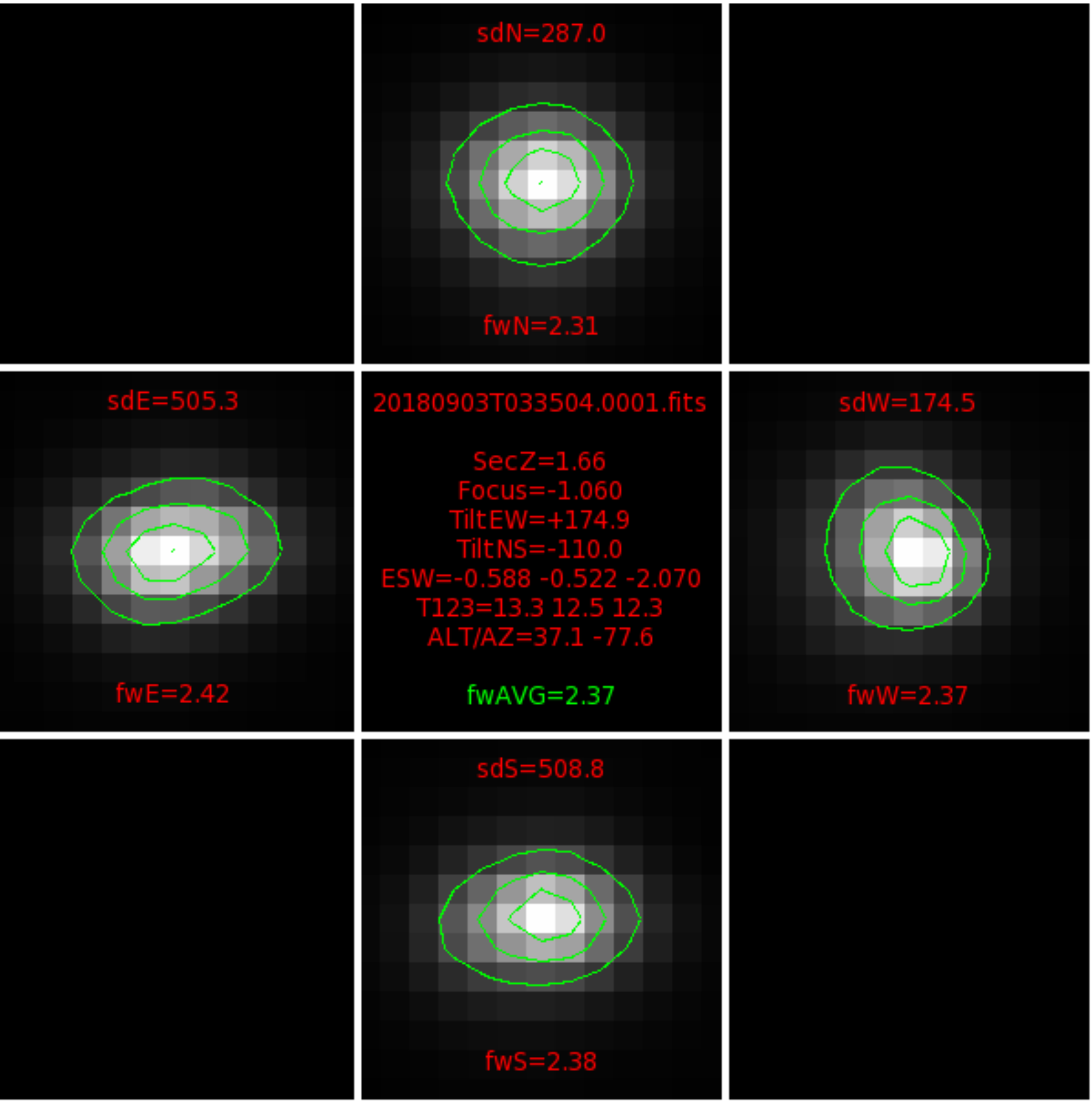
sdN=287.0
fwN=2.31
sdE=505.3
fwE=2.42
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SecZ=1.66
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.3 12.5 12.3
ALT/AZ=37.1 -77.6
fwAVG=2.37
sdW=174.5
fwW=2.37
sdS=508.8
fwS=2.38
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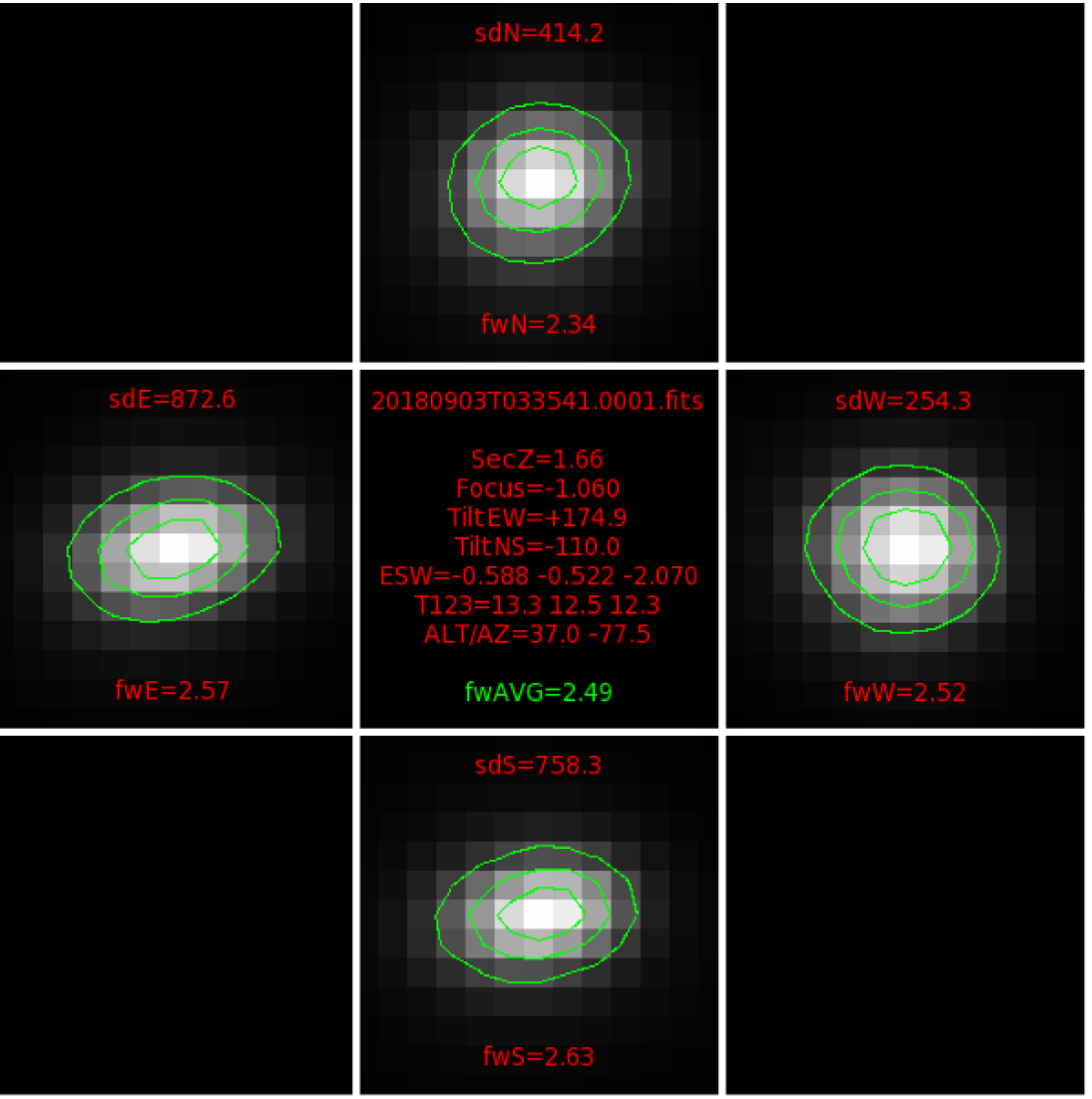
sdN=414.2
fwN=2.34
sdE=872.6
fwE=2.57
20180903T033541.0001.fits
SecZ=1.66
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.3 12.5 12.3
ALT/AZ=37.0 -77.5
fwAVG=2.49
sdW=254.3
fwW=2.52
sdS=758.3
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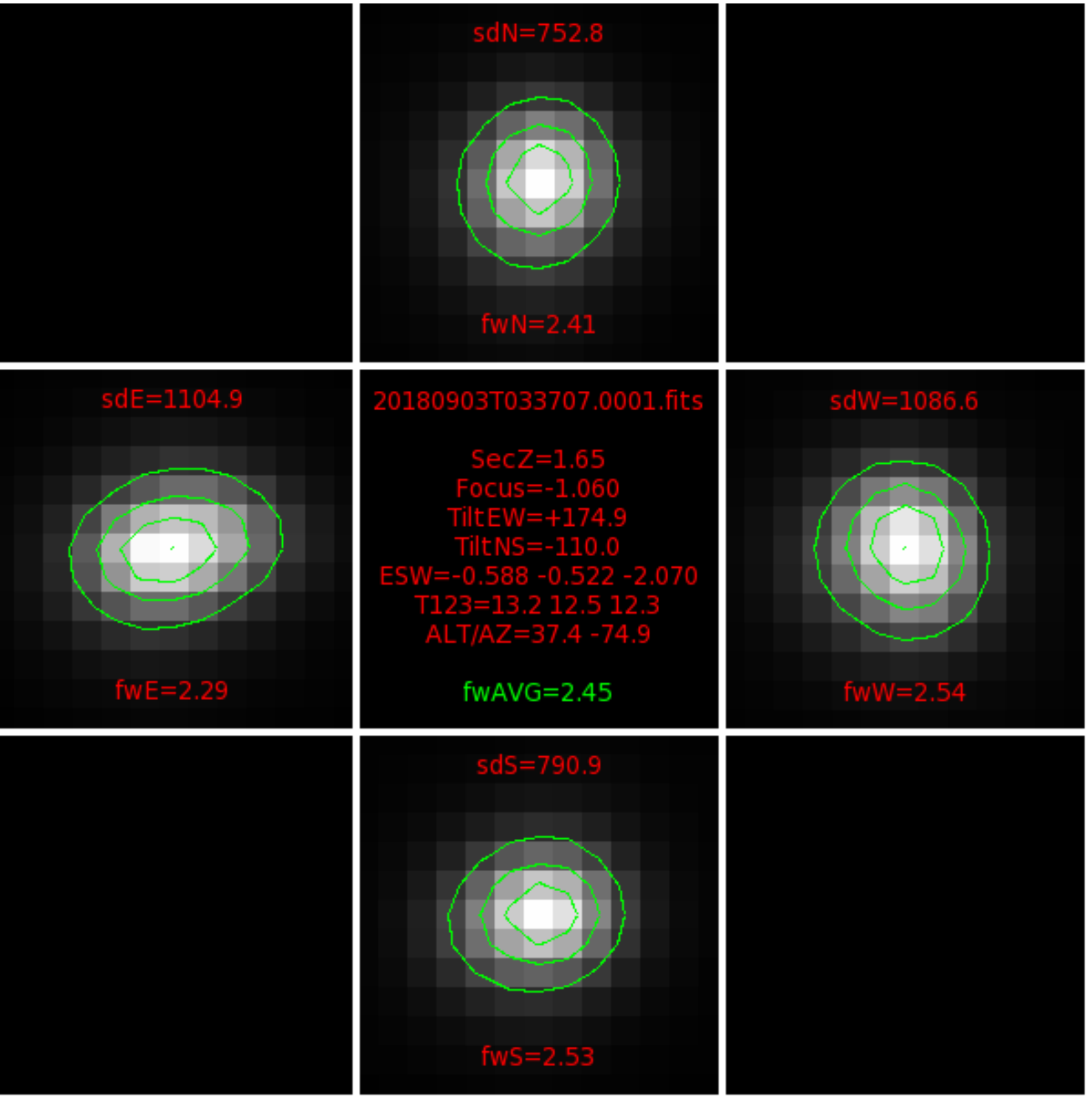
sdN=752.8
fwN=2.41
sdE=1104.9
fwE=2.29
20180903T033707.0001.fits
SecZ=1.65
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.2 12.5 12.3
ALT/AZ=37.4 -74.9
fwAVG=2.45
sdW=1086.6
fwW=2.54
sdS=790.9
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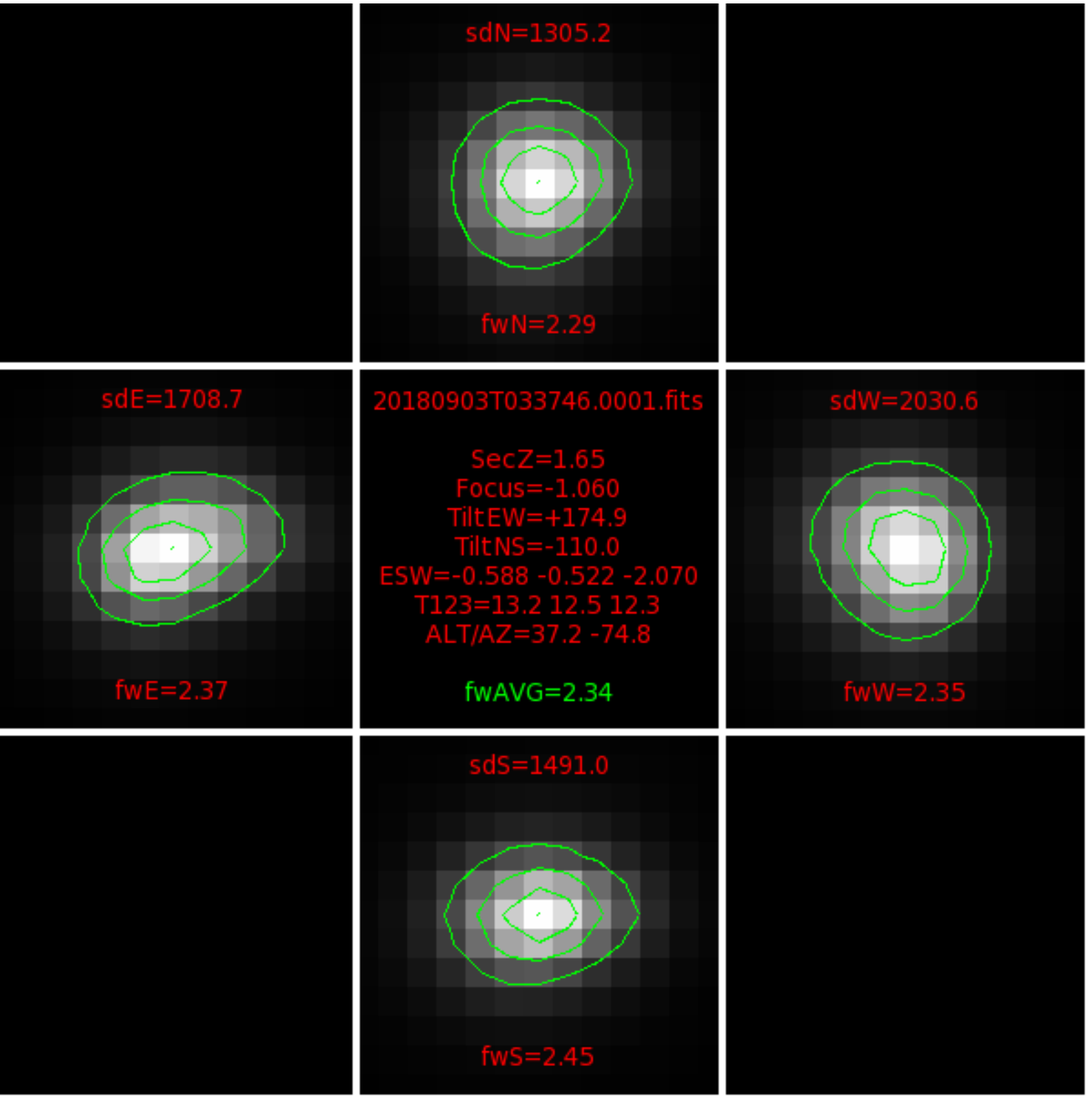
sdN=1305.2
fwN=2.29
sdE=1708.7
fwE=2.37
20180903T033746.0001.fits
SecZ=1.65
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.2 12.5 12.3
ALT/AZ=37.2 -74.8
fwAVG=2.34
sdW=2030.6
fwW=2.35
sdS=1491.0
fwS=2.45
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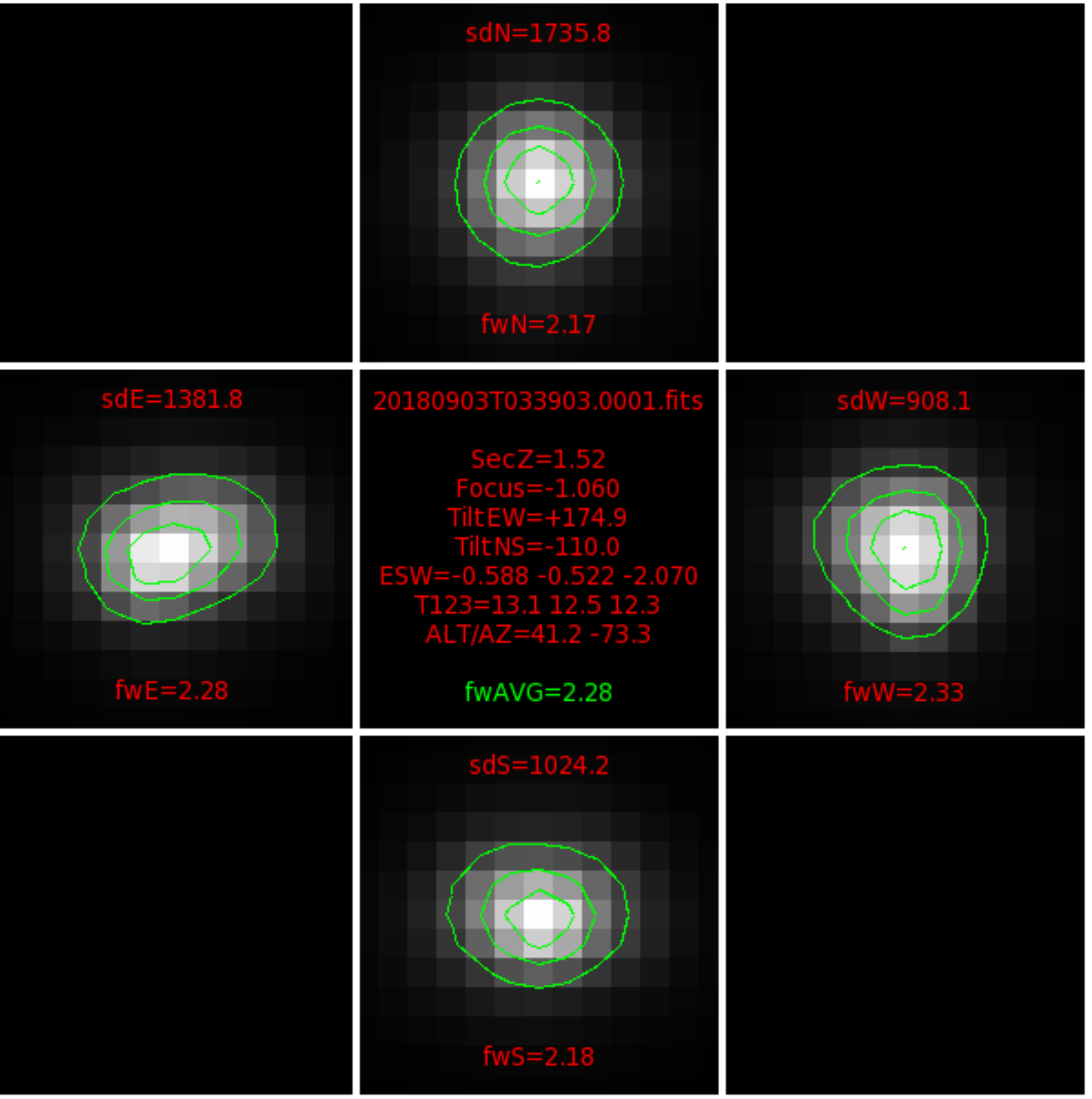
sdN=1735.8
fwN=2.17
sdE=1381.8
fwE=2.28
20180903T033903.0001.fits
SecZ=1.52
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.1 12.5 12.3
ALT/AZ=41.2 -73.3
fwAVG=2.28
sdW=908.1
fwW=2.33
sdS=1024.2
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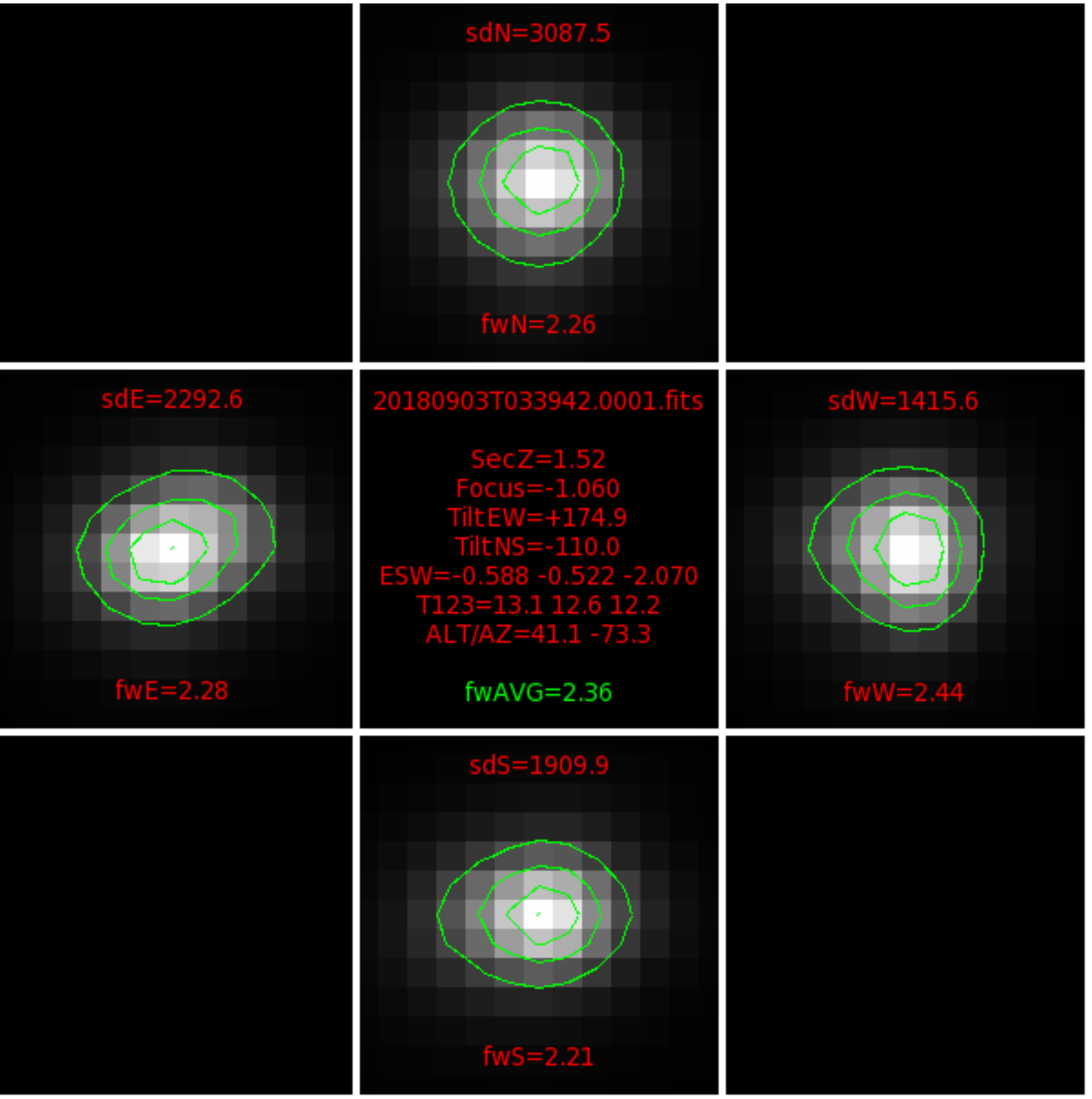
sdN=3087.5
fwN=2.26
sdE=2292.6
fwE=2.28
20180903T033942.0001.fits
SecZ=1.52
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.1 12.6 12.2
ALT/AZ=41.1 -73.3
fwAVG=2.36
sdW=1415.6
fwW=2.44
sdS=1909.9
fwS=2.21
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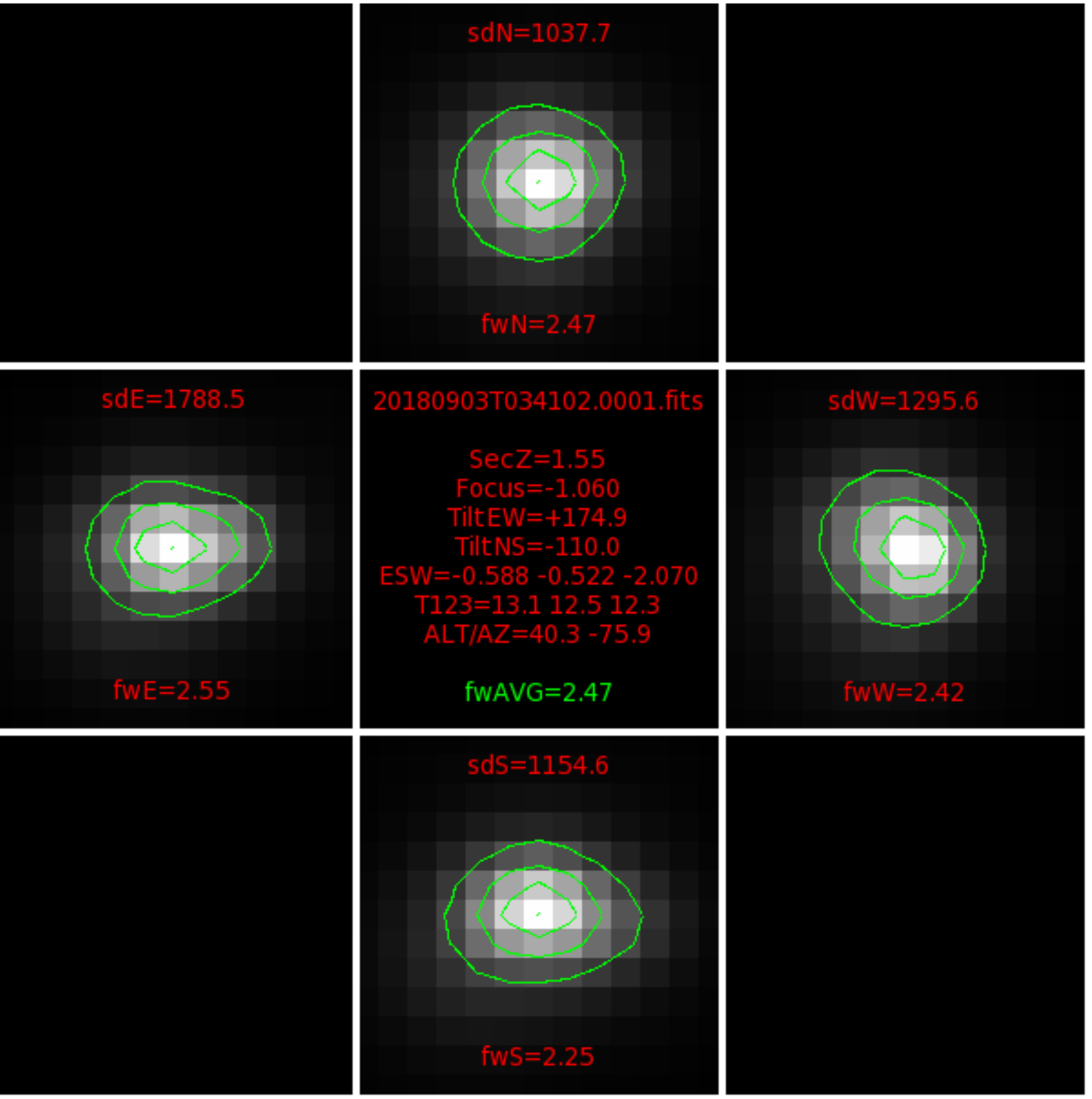
sdN=1037.7
fwN=2.47
sdE=1788.5
fwE=2.55
20180903T034102.0001.fits
SecZ=1.55
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.1 12.5 12.3
ALT/AZ=40.3 -75.9
fwAVG=2.47
sdW=1295.6
fwW=2.42
sdS=1154.6
fwS=2.25
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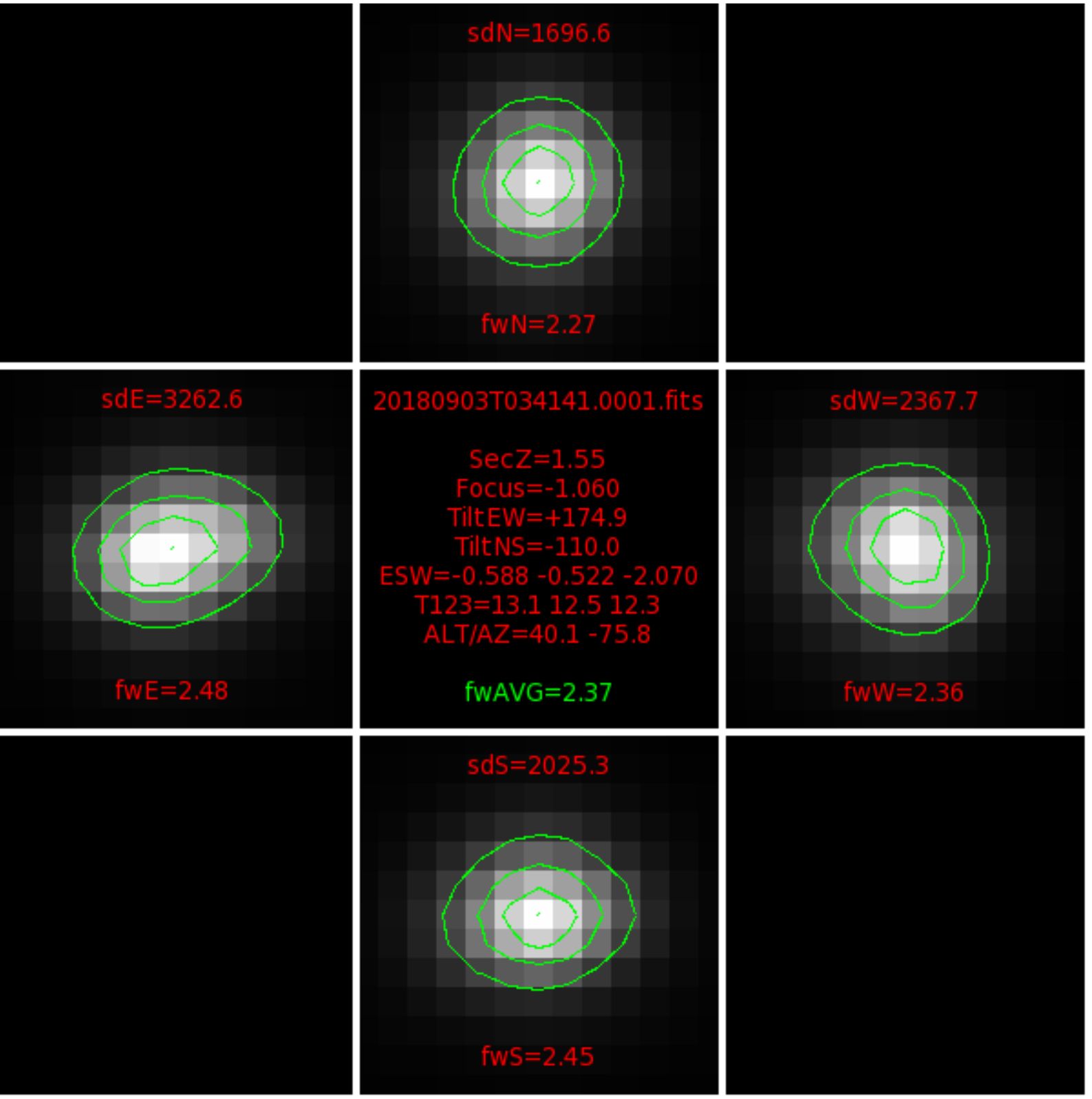
sdN=1696.6
fwN=2.27
sdE=3262.6
fwE=2.48
20180903T034141.0001.fits
SecZ=1.55
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.1 12.5 12.3
ALT/AZ=40.1 -75.8
fwAVG=2.37
sdW=2367.7
fwW=2.36
sdS=2025.3
fwS=2.45
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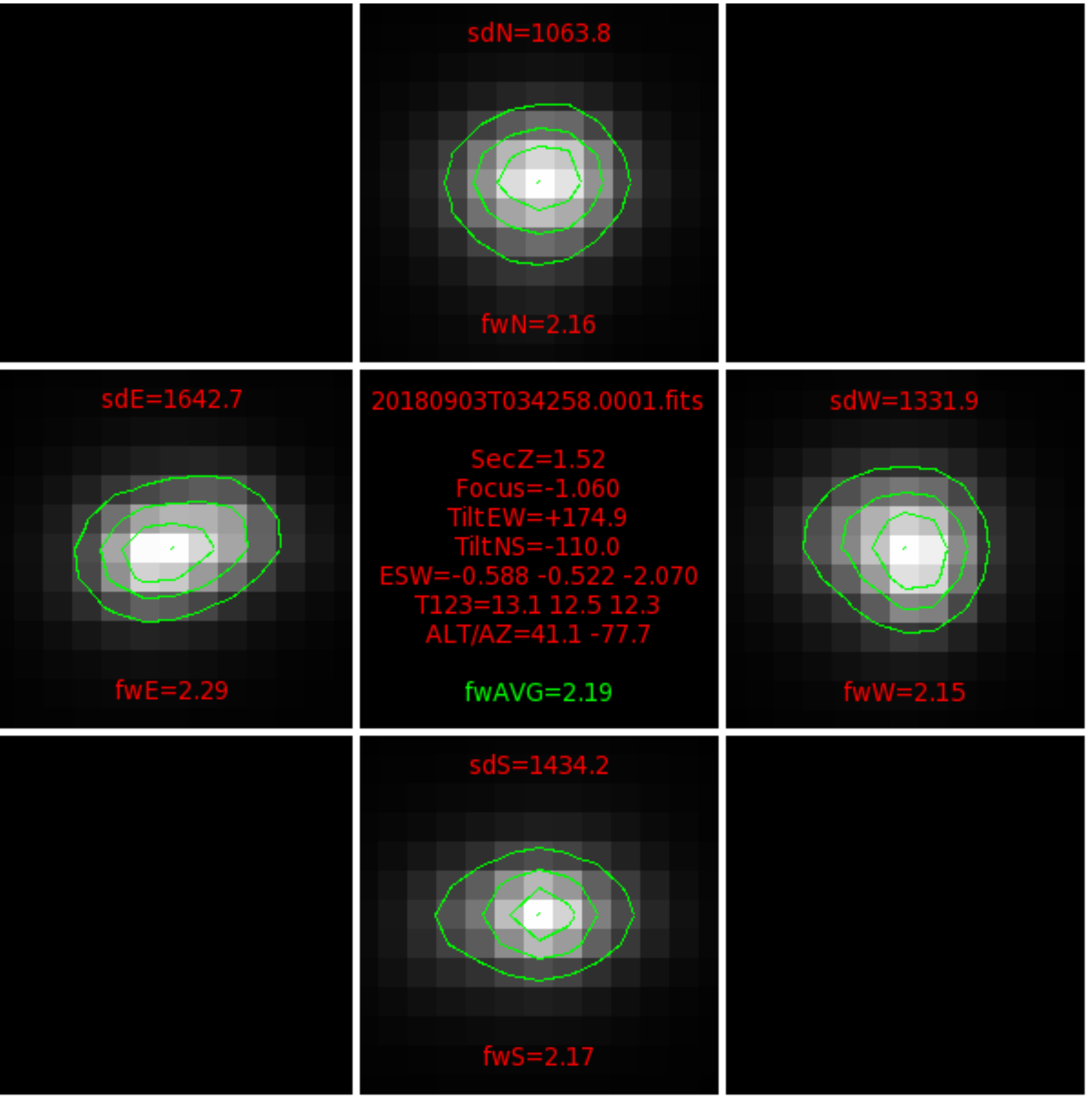
sdN=1063.8
fwN=2.16
sdE=1642.7
fwE=2.29
20180903T034258.0001.fits
SecZ=1.52
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.1 12.5 12.3
ALT/AZ=41.1 -77.7
fwAVG=2.19
sdW=1331.9
fwW=2.15
sdS=1434.2
fwS=2.17
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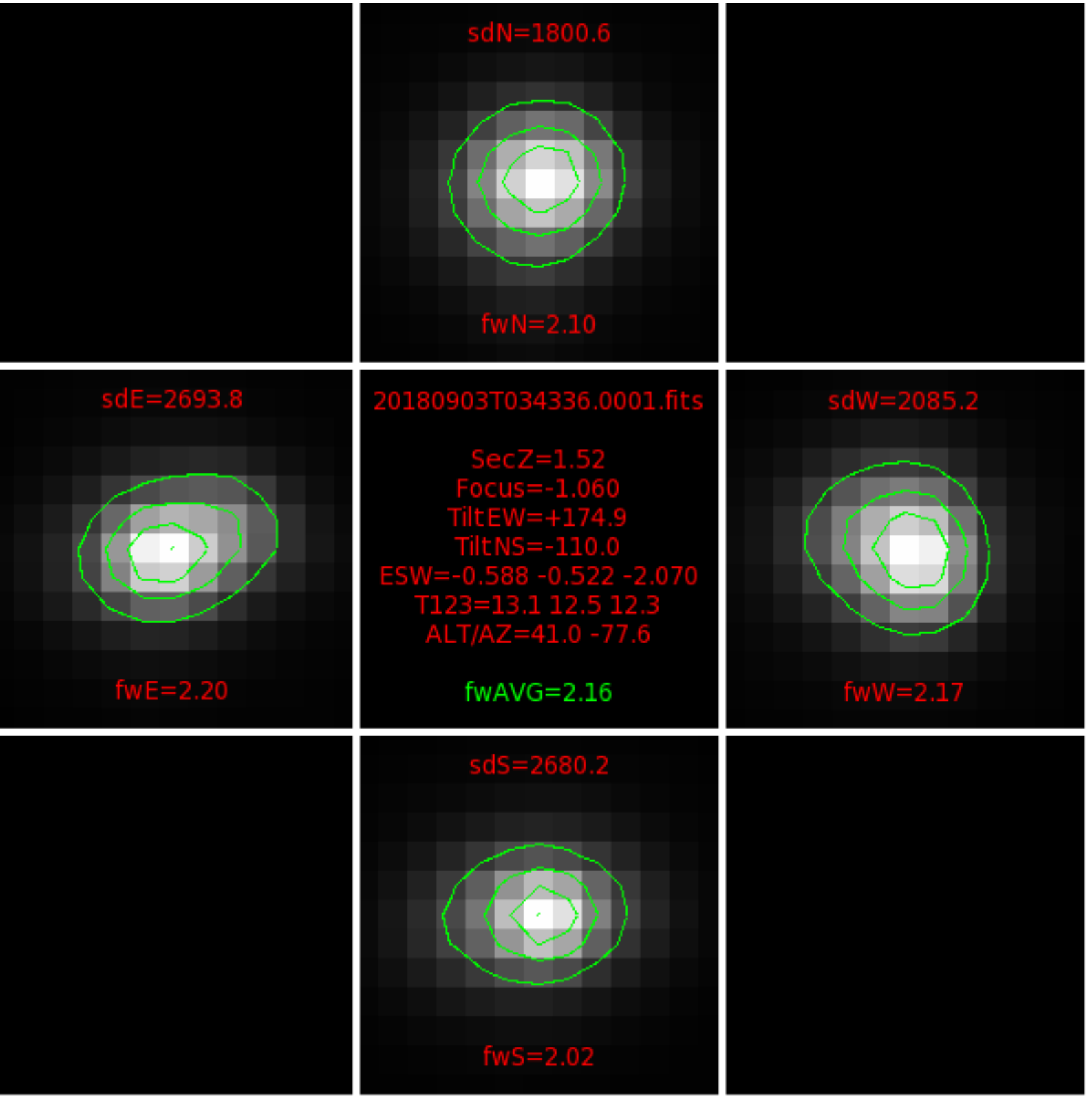
sdN=1800.6
fwN=2.10
sdE=2693.8
fwE=2.20
20180903T034336.0001.fits
SecZ=1.52
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.1 12.5 12.3
ALT/AZ=41.0 -77.6
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sdW=2085.2
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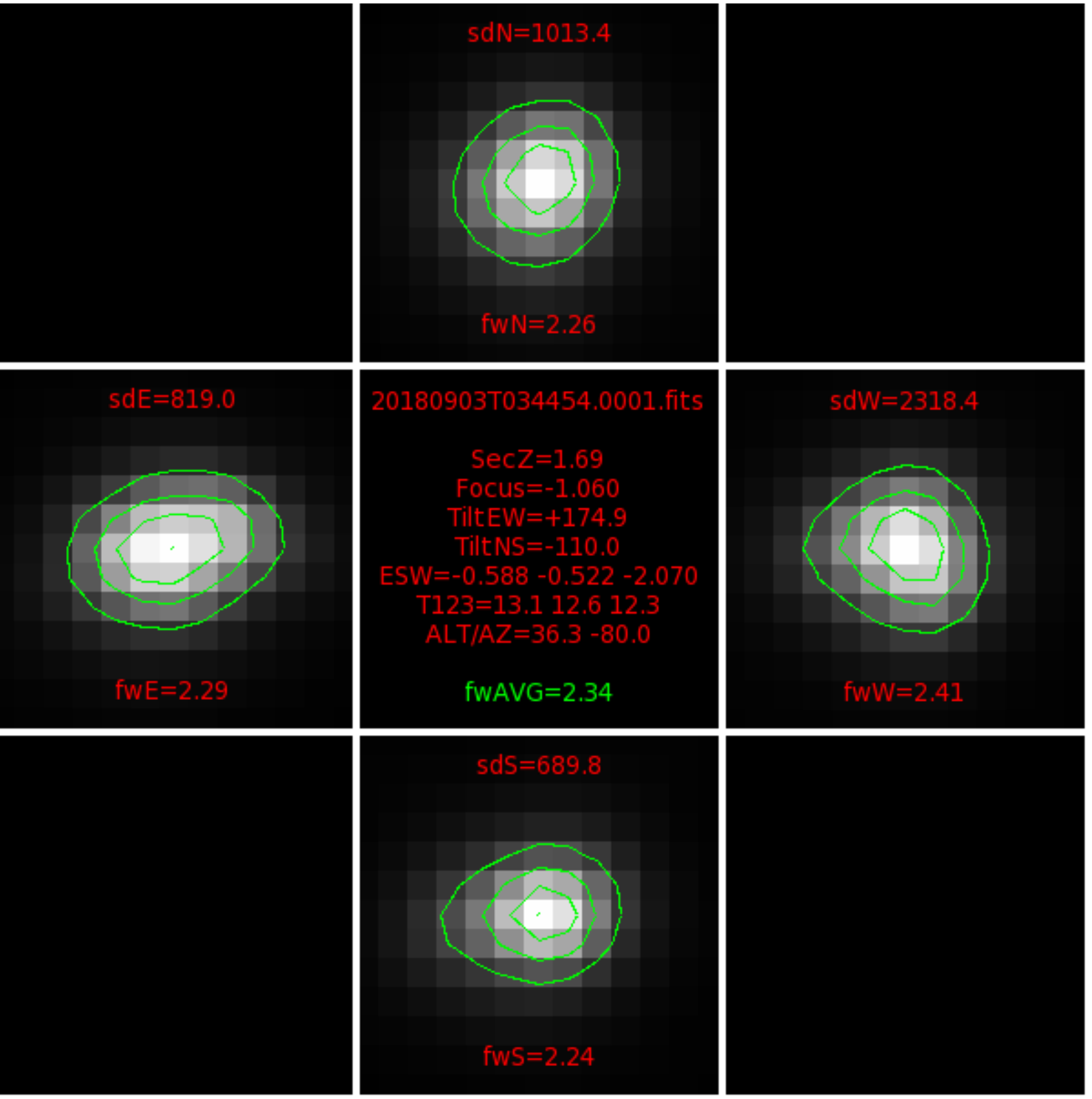
sdN=1013.4
fwN=2.26
sdE=819.0
fwE=2.29
20180903T034454.0001.fits
SecZ=1.69
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.1 12.6 12.3
ALT/AZ=36.3 -80.0
fwAVG=2.34
sdW=2318.4
fwW=2.41
sdS=689.8
fwS=2.24
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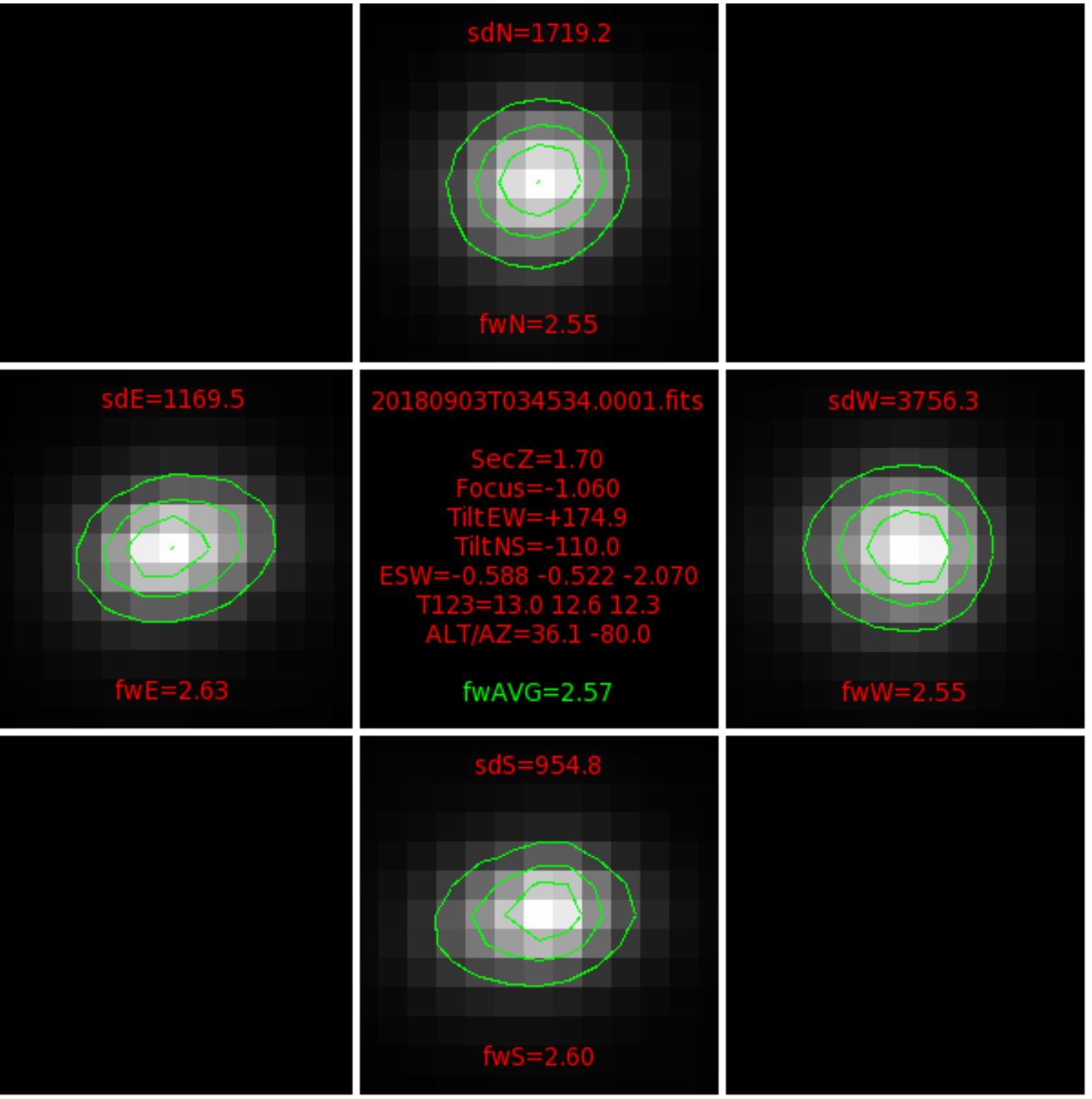
sdN=1719.2
fwN=2.55
sdE=1169.5
fwE=2.63
20180903T034534.0001.fits
SecZ=1.70
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.0 12.6 12.3
ALT/AZ=36.1 -80.0
fwAVG=2.57
sdW=3756.3
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sdS=954.8
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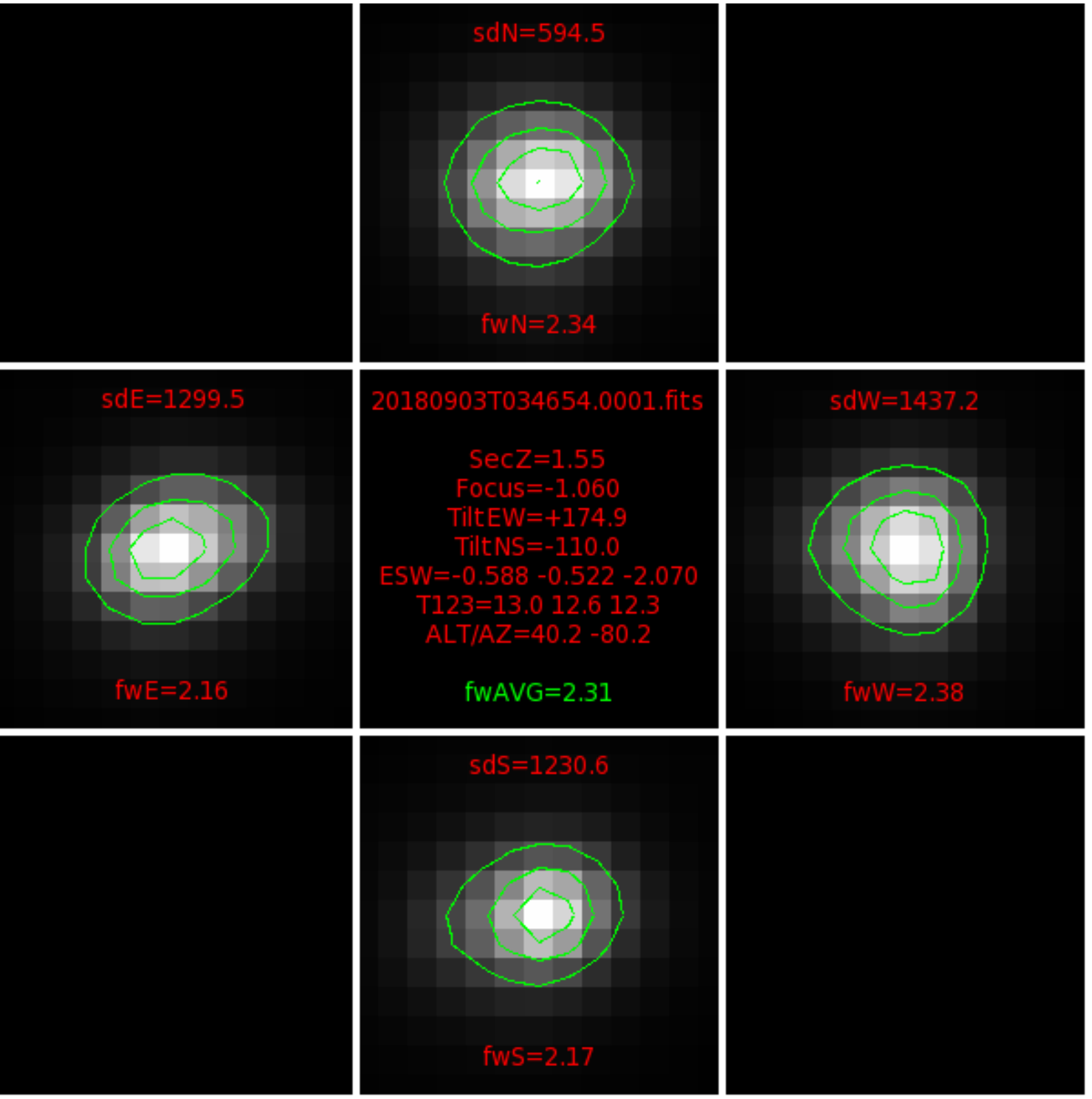
sdN=594.5
fwN=2.34
sdE=1299.5
fwE=2.16
20180903T034654.0001.fits
SecZ=1.55
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.0 12.6 12.3
ALT/AZ=40.2 -80.2
fwAVG=2.31
sdW=1437.2
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sdS=1230.6
fwS=2.17
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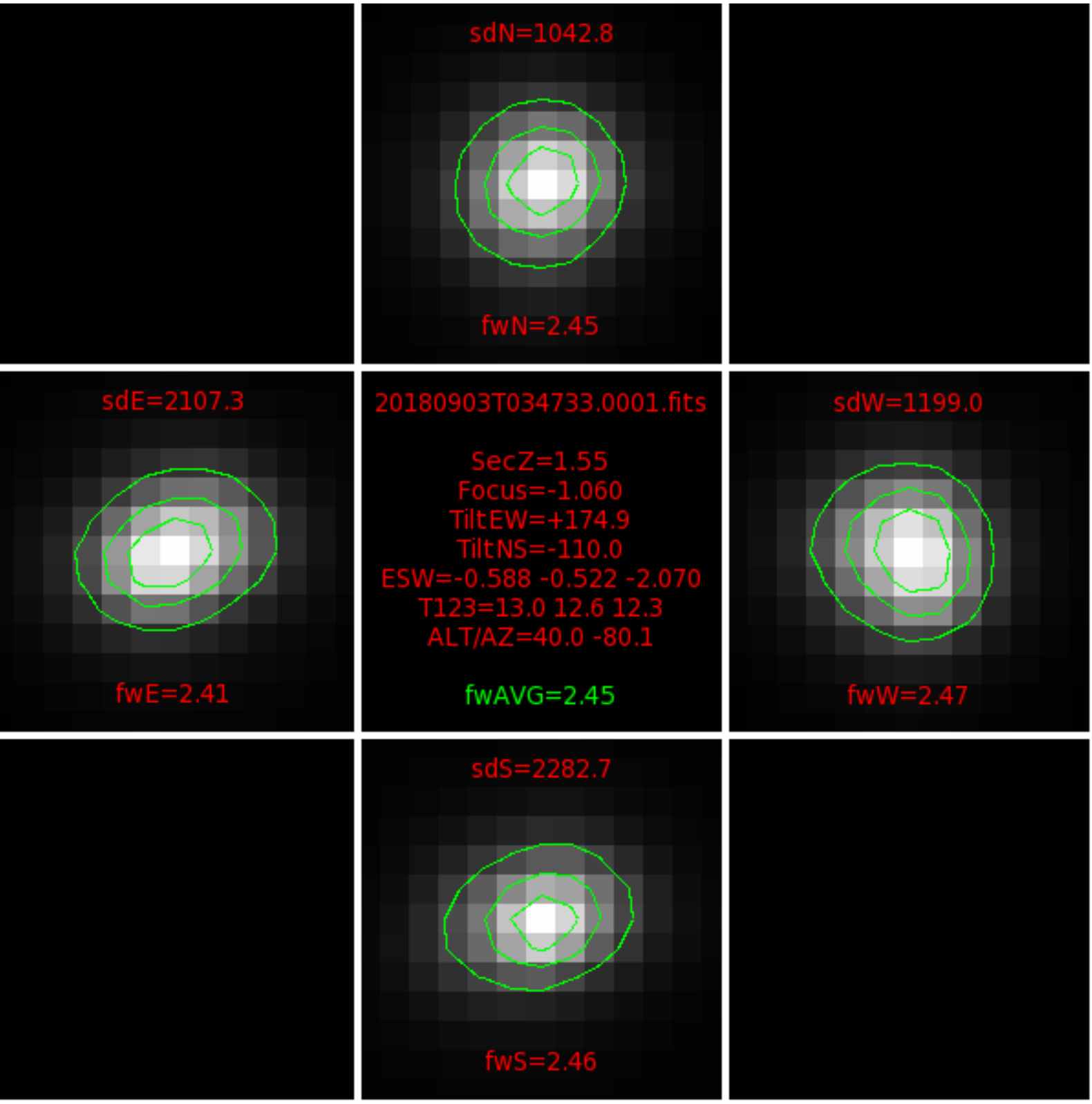
sdN=1042.8
fwN=2.45
sdE=2107.3
fwE=2.41
20180903T034733.0001.fits
SecZ=1.55
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.0 12.6 12.3
ALT/AZ=40.0 -80.1
fwAVG=2.45
sdW=1199.0
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sdS=2282.7
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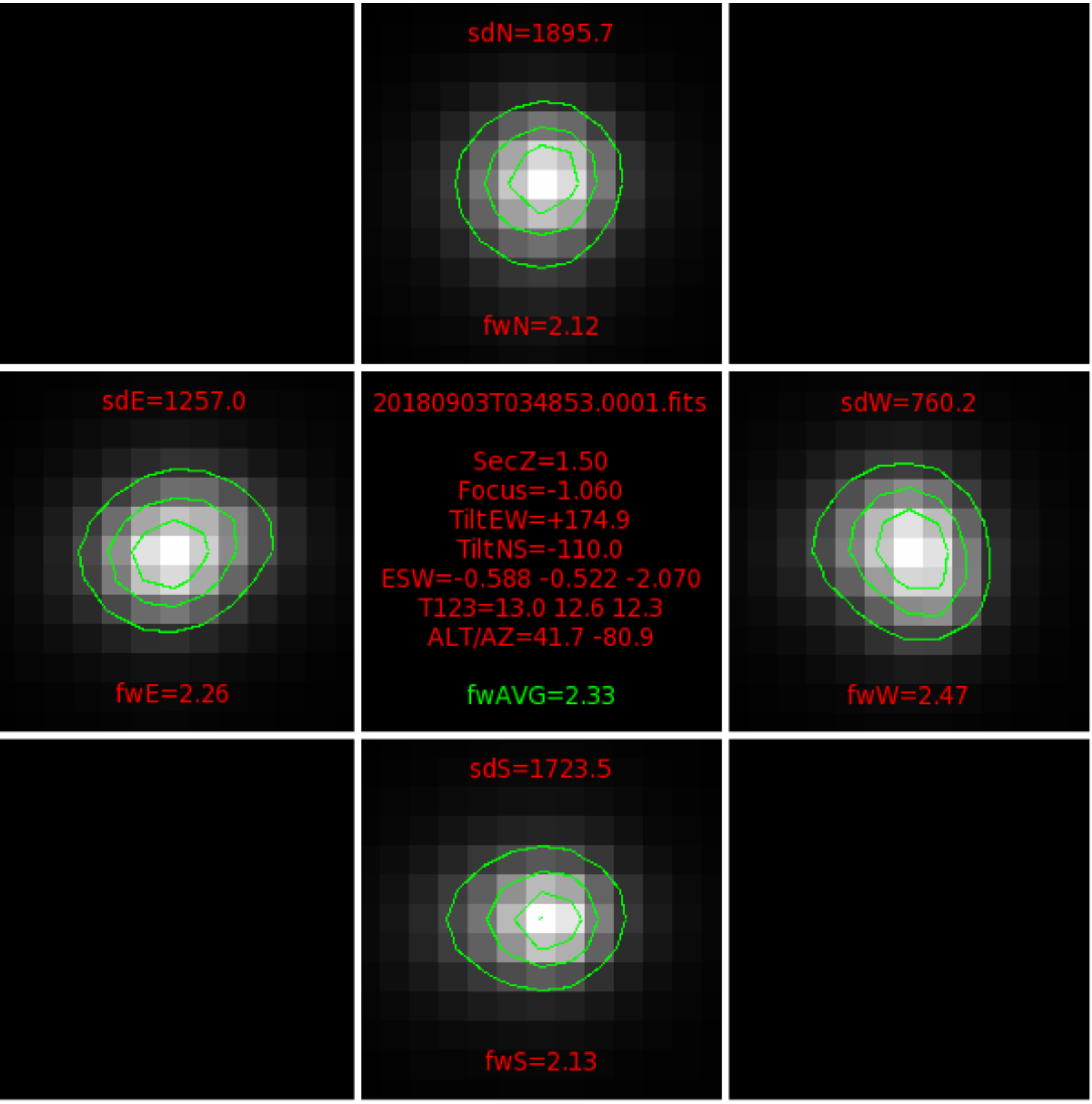
sdN=1895.7
fwN=2.12
sdE=1257.0
fwE=2.26
20180903T034853.0001.fits
SecZ=1.50
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.0 12.6 12.3
ALT/AZ=41.7 -80.9
fwAVG=2.33
sdW=760.2
fwW=2.47
sdS=1723.5
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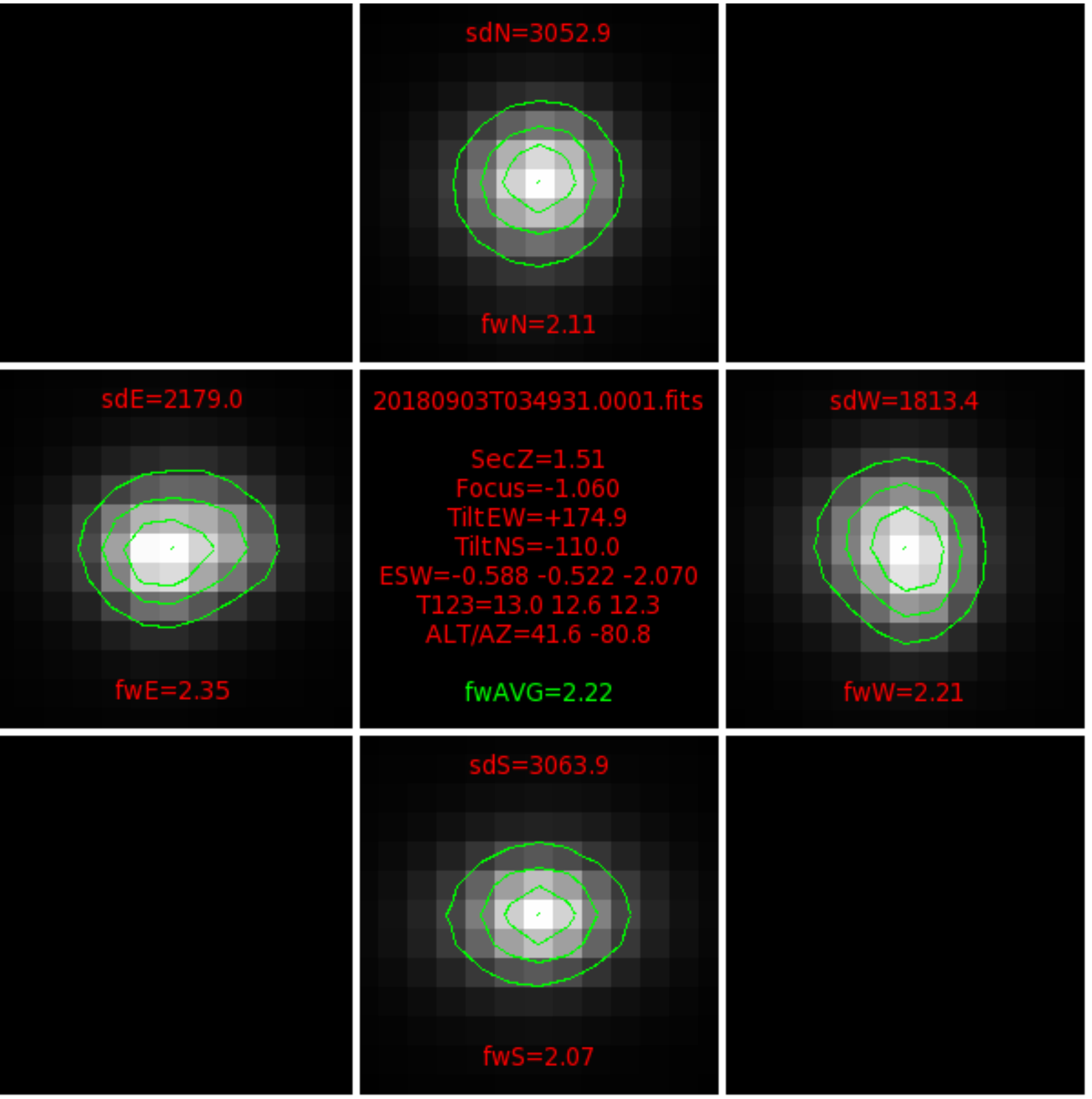
sdN=3052.9
fwN=2.11
sdE=2179.0
fwE=2.35
20180903T034931.0001.fits
SecZ=1.51
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.0 12.6 12.3
ALT/AZ=41.6 -80.8
fwAVG=2.22
sdW=1813.4
fwW=2.21
sdS=3063.9
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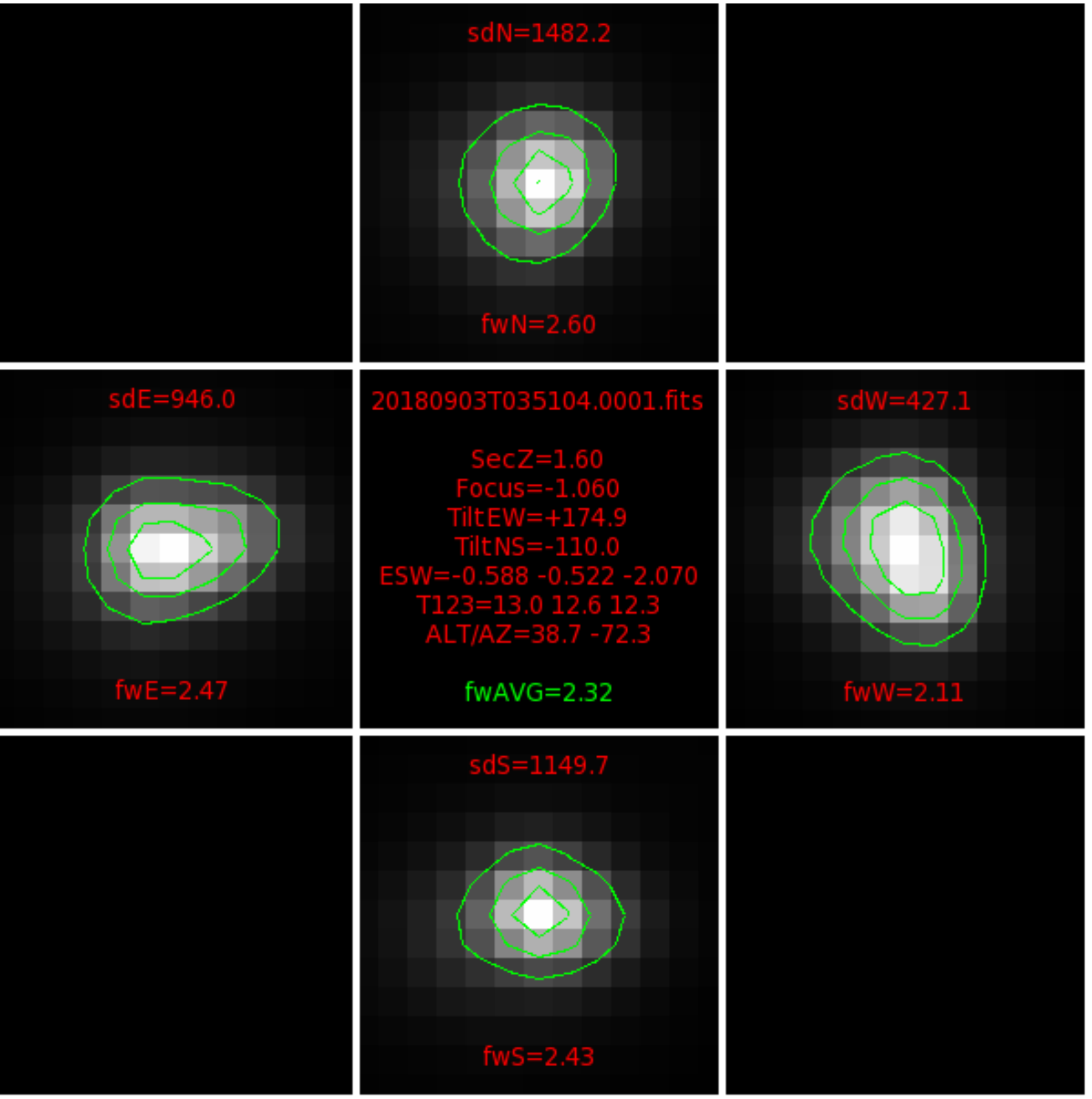
sdN=1482.2
fwN=2.60
sdE=946.0
fwE=2.47
20180903T035104.0001.fits
SecZ=1.60
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.0 12.6 12.3
ALT/AZ=38.7 -72.3
fwAVG=2.32
sdW=427.1
fwW=2.11
sdS=1149.7
fwS=2.43
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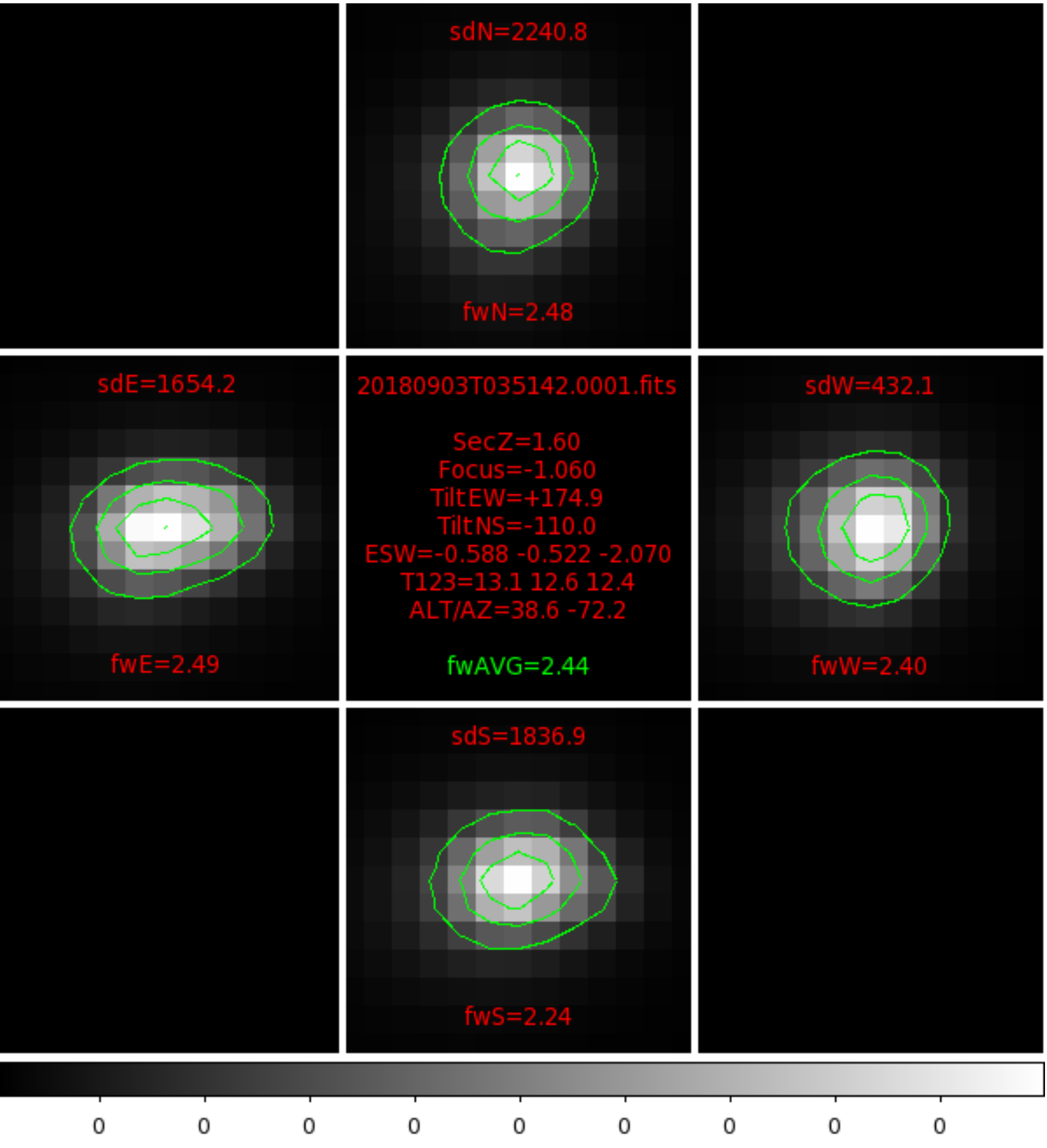
sdN=2240.8
fwN=2.48
sdE=1654.2
fwE=2.49
20180903T035142.0001.fits
SecZ=1.60
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.1 12.6 12.4
ALT/AZ=38.6 -72.2
fwAVG=2.44
sdW=432.1
fwW=2.40
sdS=1836.9
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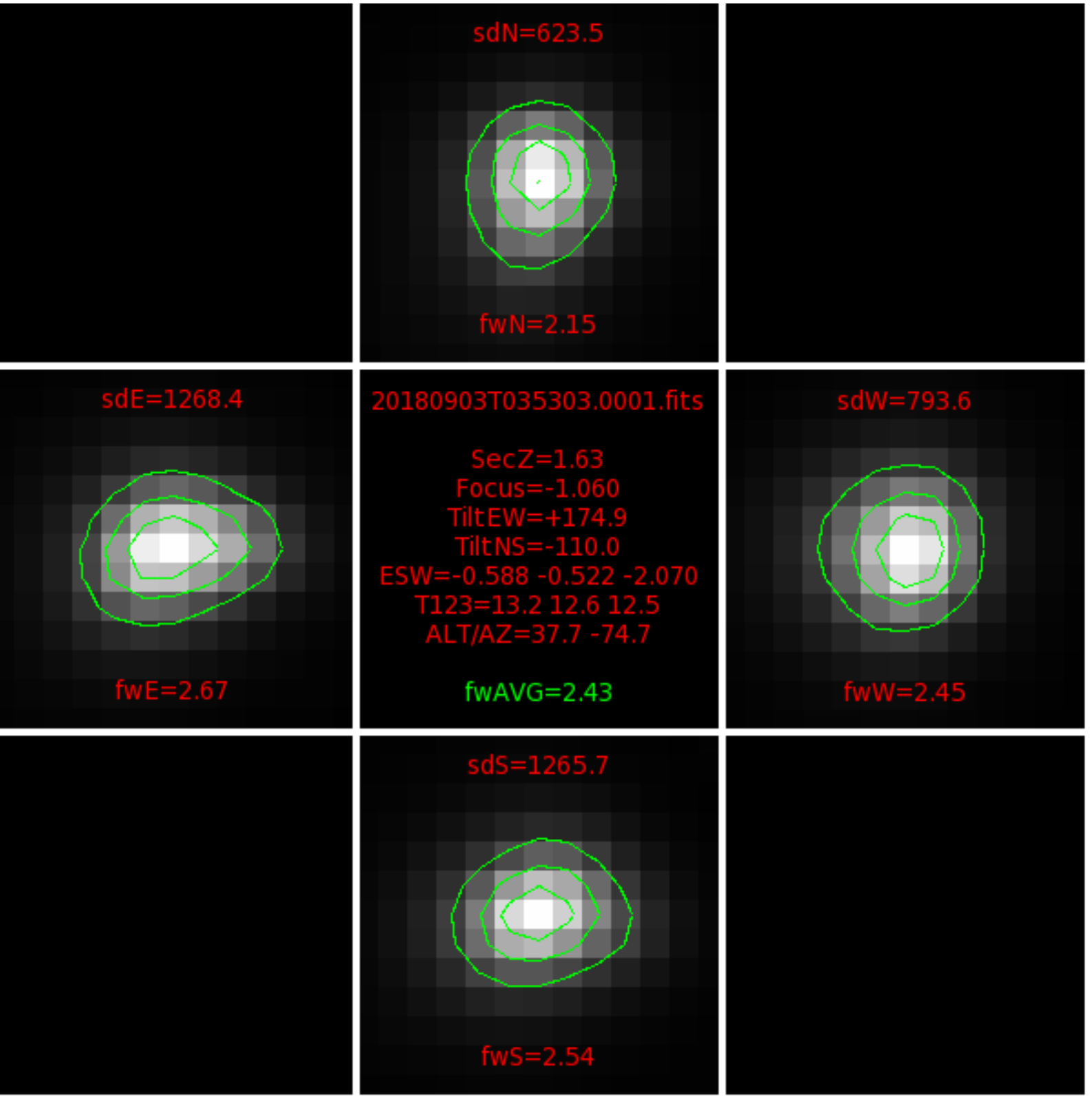
sdN=623.5
fwN=2.15
sdE=1268.4
fwE=2.67
20180903T035303.0001.fits
SecZ=1.63
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.2 12.6 12.5
ALT/AZ=37.7 -74.7
fwAVG=2.43
sdW=793.6
fwW=2.45
sdS=1265.7
fwS=2.54
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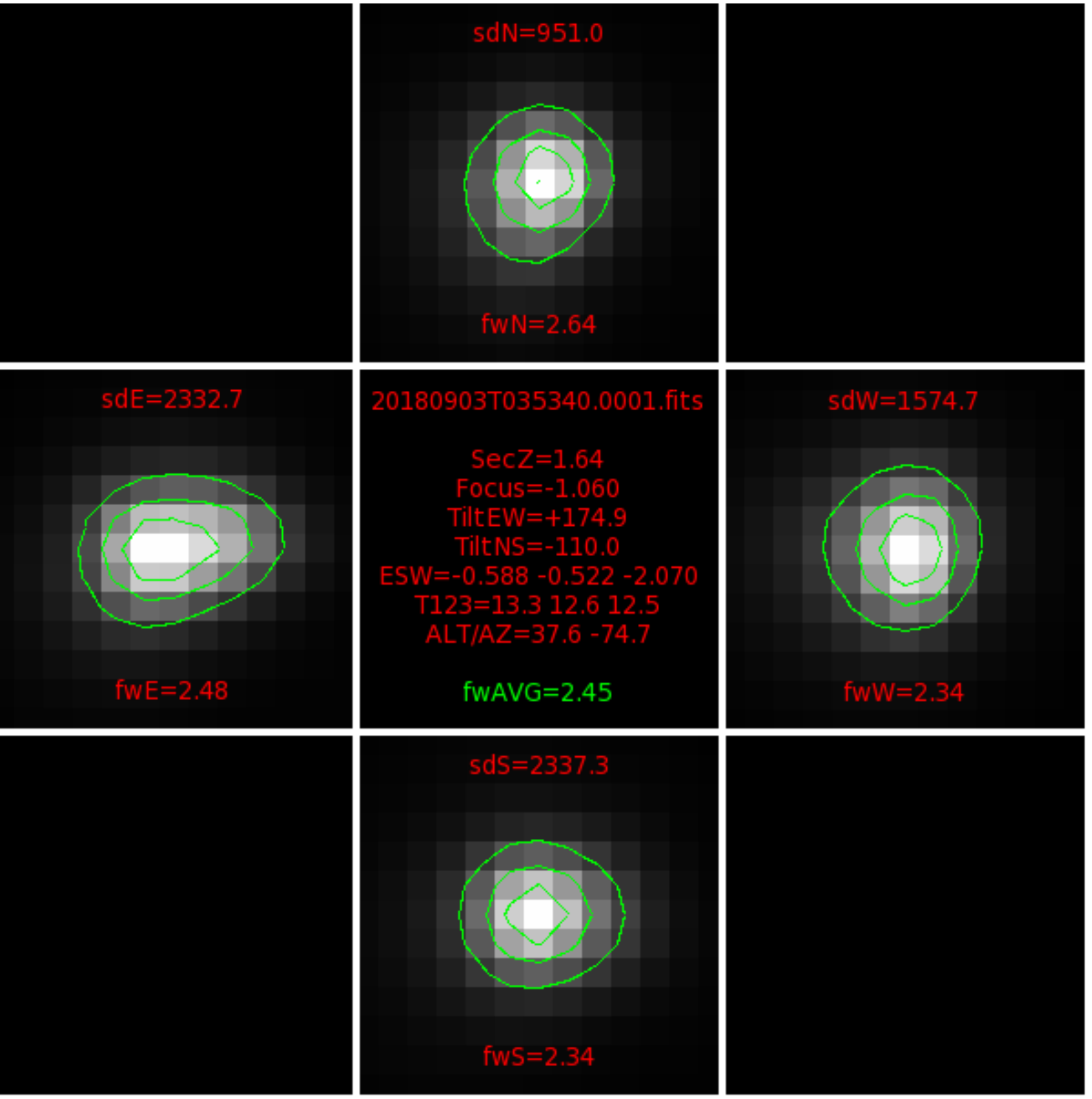
sdN=951.0
fwN=2.64
sdE=2332.7
fwE=2.48
20180903T035340.0001.fits
SecZ=1.64
Focus=-1.060
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.588 -0.522 -2.070
T123=13.3 12.6 12.5
ALT/AZ=37.6 -74.7
fwAVG=2.45
sdW=1574.7
fwW=2.34
sdS=2337.3
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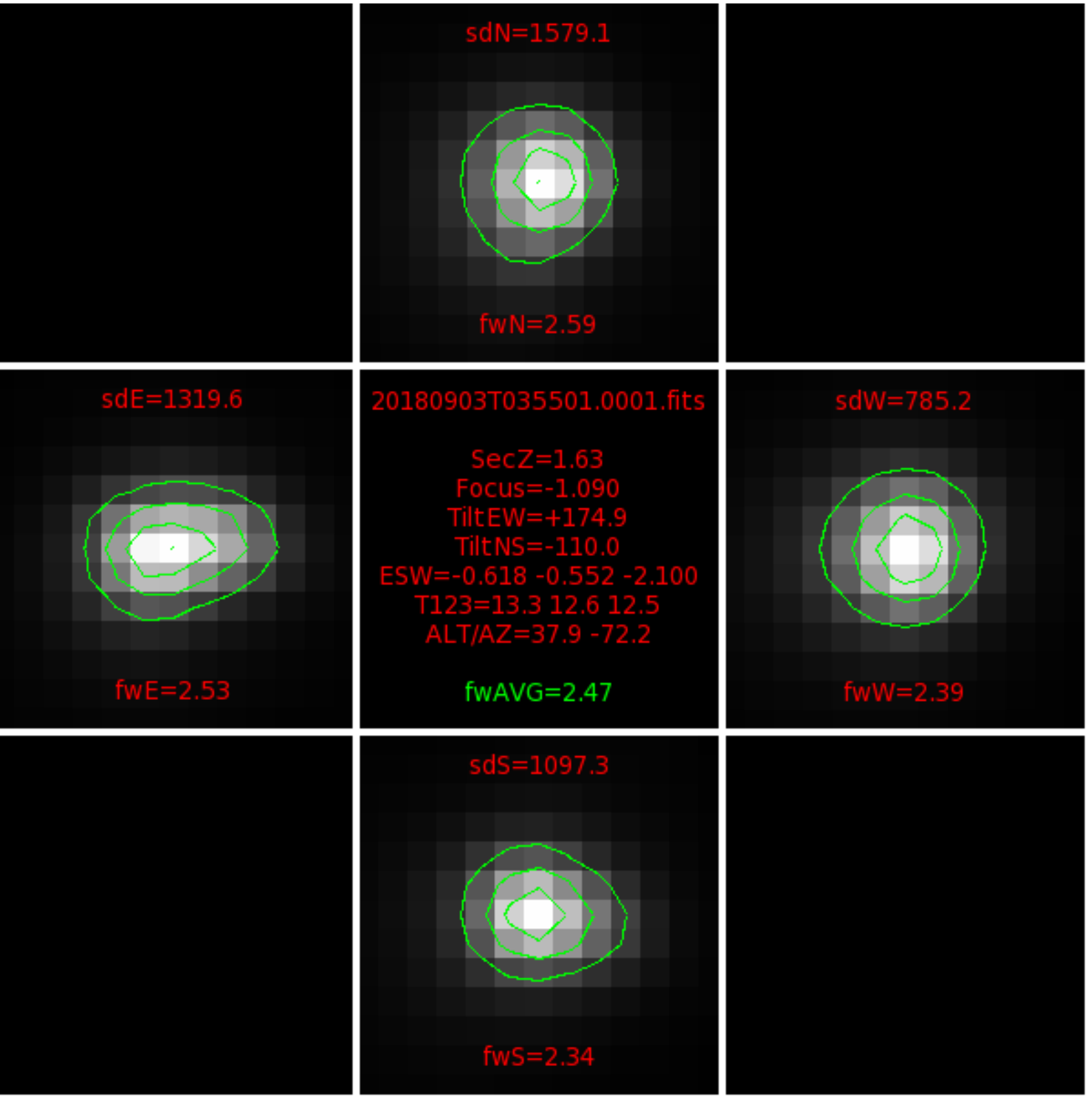
sdN=1579.1
fwN=2.59
sdE=1319.6
fwE=2.53
20180903T035501.0001.fits
SecZ=1.63
Focus=-1.090
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.618 -0.552 -2.100
T123=13.3 12.6 12.5
ALT/AZ=37.9 -72.2
fwAVG=2.47
sdW=785.2
fwW=2.39
sdS=1097.3
fwS=2.34
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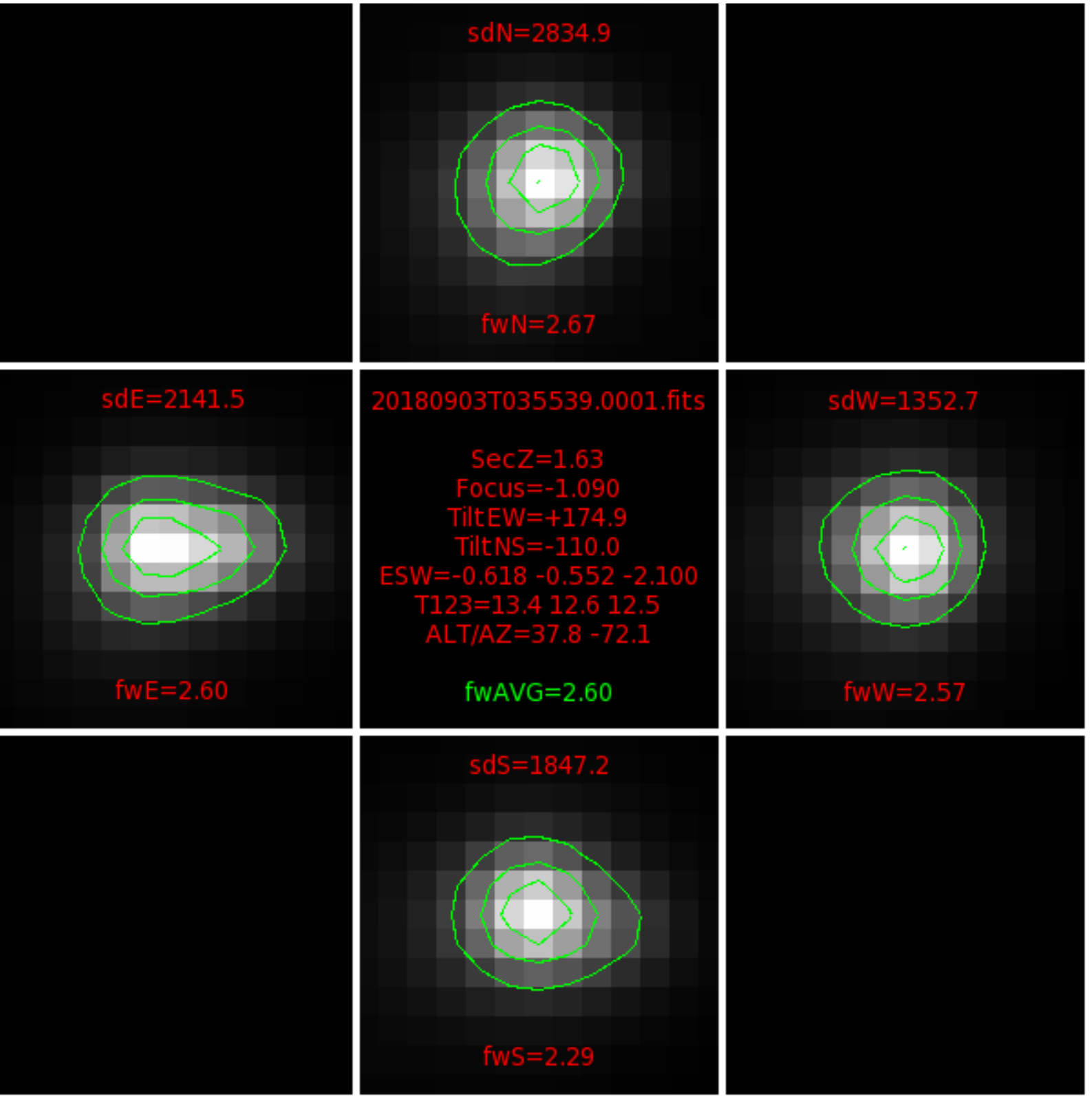
sdN=2834.9
fwN=2.67
sdE=2141.5
fwE=2.60
20180903T035539.0001.fits
SecZ=1.63
Focus=-1.090
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.618 -0.552 -2.100
T123=13.4 12.6 12.5
ALT/AZ=37.8 -72.1
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sdW=1352.7
fwW=2.57
sdS=1847.2
fwS=2.29
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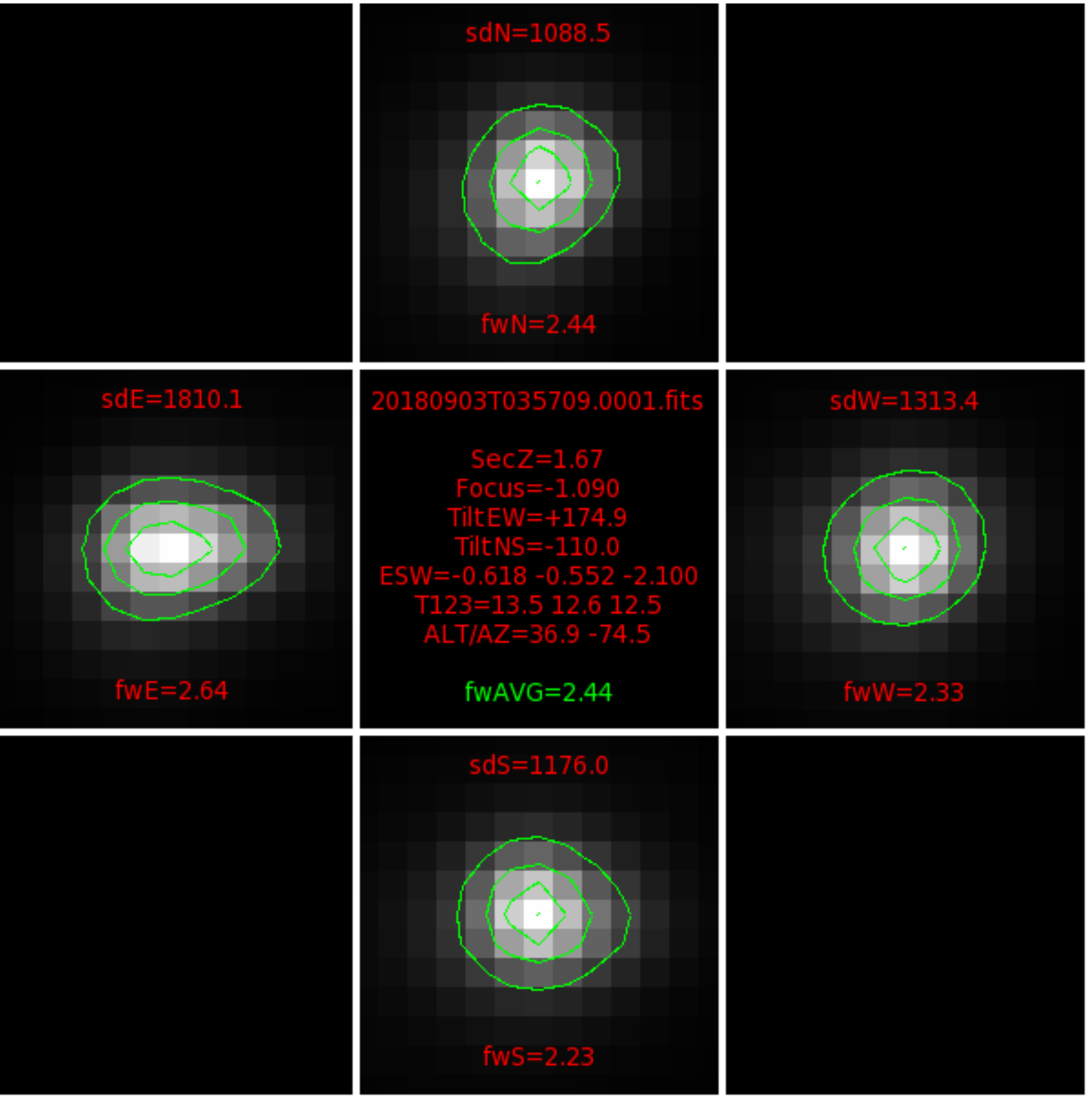
sdN=1088.5
fwN=2.44
sdE=1810.1
fwE=2.64
20180903T035709.0001.fits
SecZ=1.67
Focus=-1.090
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.618 -0.552 -2.100
T123=13.5 12.6 12.5
ALT/AZ=36.9 -74.5
fwAVG=2.44
sdW=1313.4
fwW=2.33
sdS=1176.0
fwS=2.23
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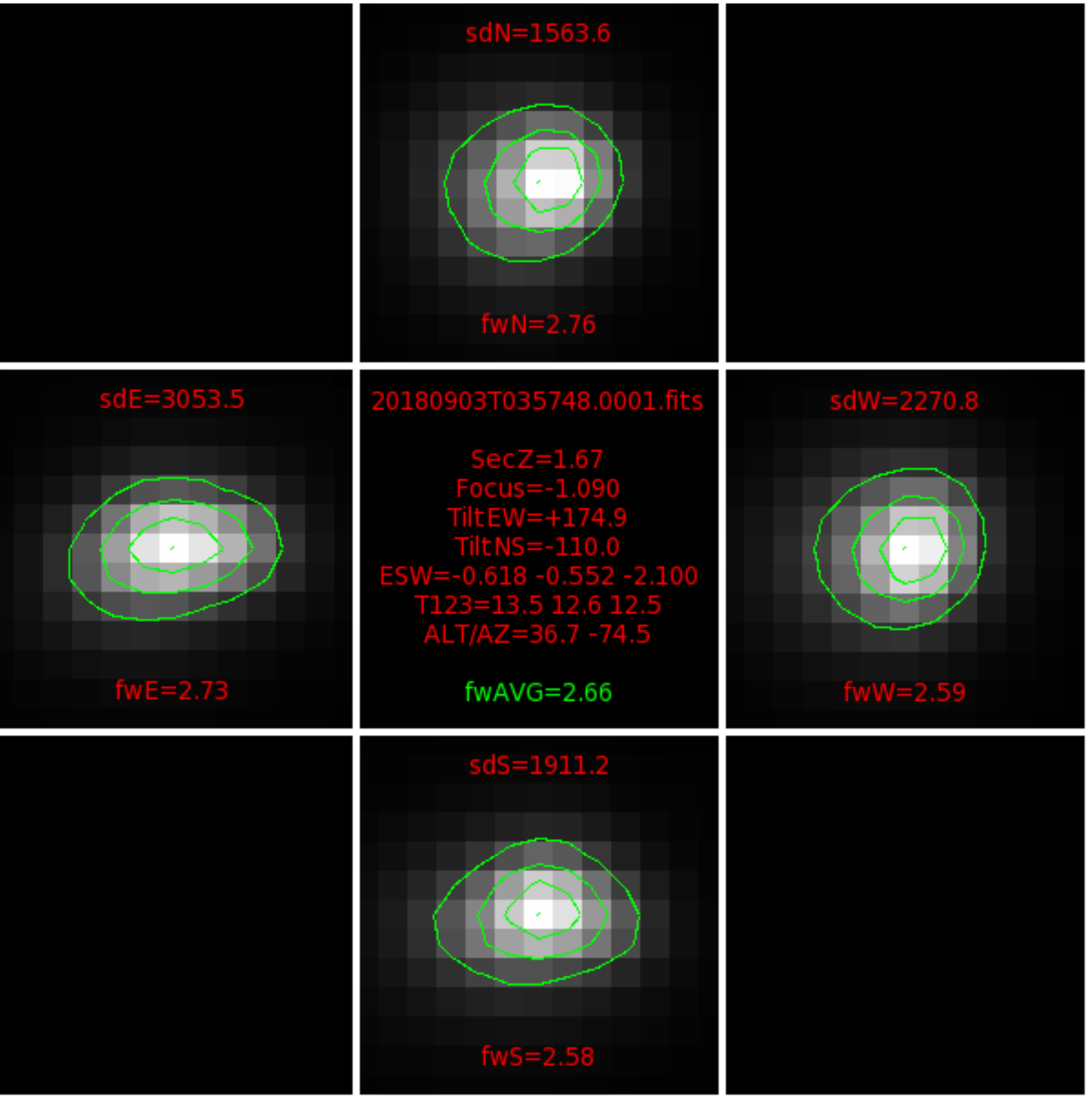
sdN=1563.6
fwN=2.76
sdE=3053.5
fwE=2.73
20180903T035748.0001.fits
SecZ=1.67
Focus=-1.090
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.618 -0.552 -2.100
T123=13.5 12.6 12.5
ALT/AZ=36.7 -74.5
fwAVG=2.66
sdW=2270.8
fwW=2.59
sdS=1911.2
fwS=2.58
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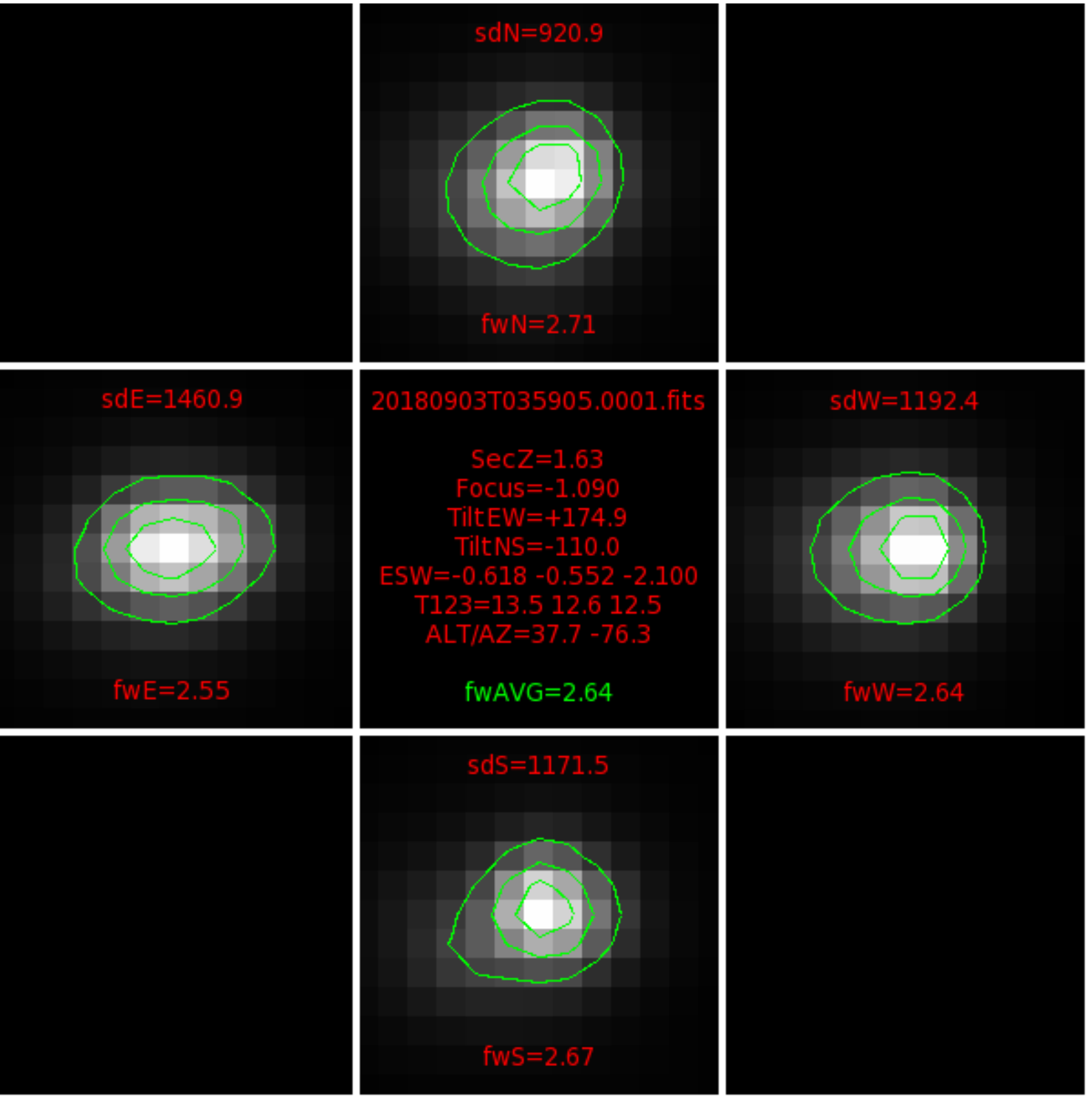
sdN=920.9
fwN=2.71
sdE=1460.9
fwE=2.55
20180903T035905.0001.fits
SecZ=1.63
Focus=-1.090
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.618 -0.552 -2.100
T123=13.5 12.6 12.5
ALT/AZ=37.7 -76.3
fwAVG=2.64
sdW=1192.4
fwW=2.64
sdS=1171.5
fwS=2.67
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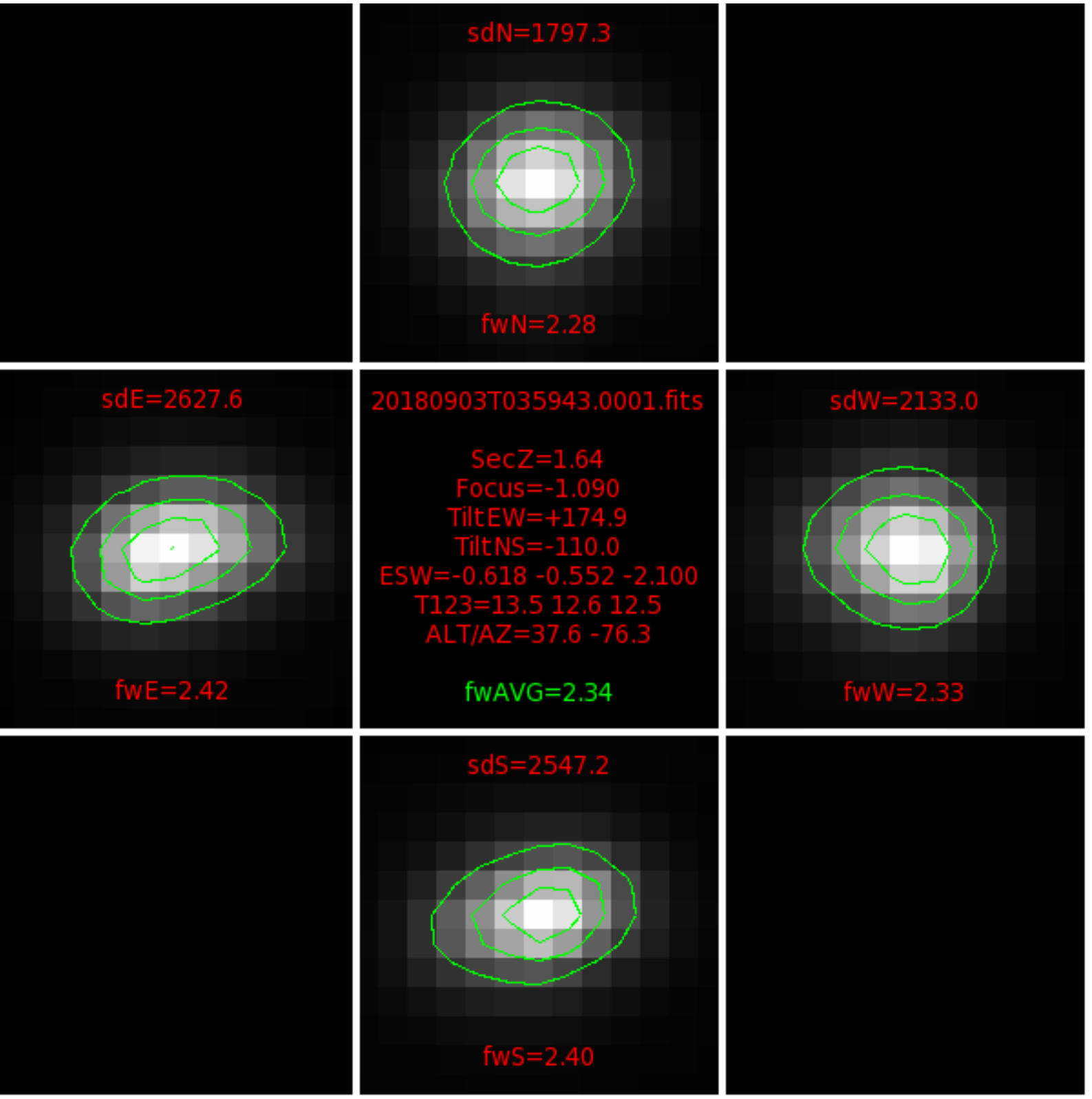
sdN=1797.3
fwN=2.28
sdE=2627.6
fwE=2.42
20180903T035943.0001.fits
SecZ=1.64
Focus=-1.090
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.618 -0.552 -2.100
T123=13.5 12.6 12.5
ALT/AZ=37.6 -76.3
fwAVG=2.34
sdW=2133.0
fwW=2.33
sdS=2547.2
fwS=2.40
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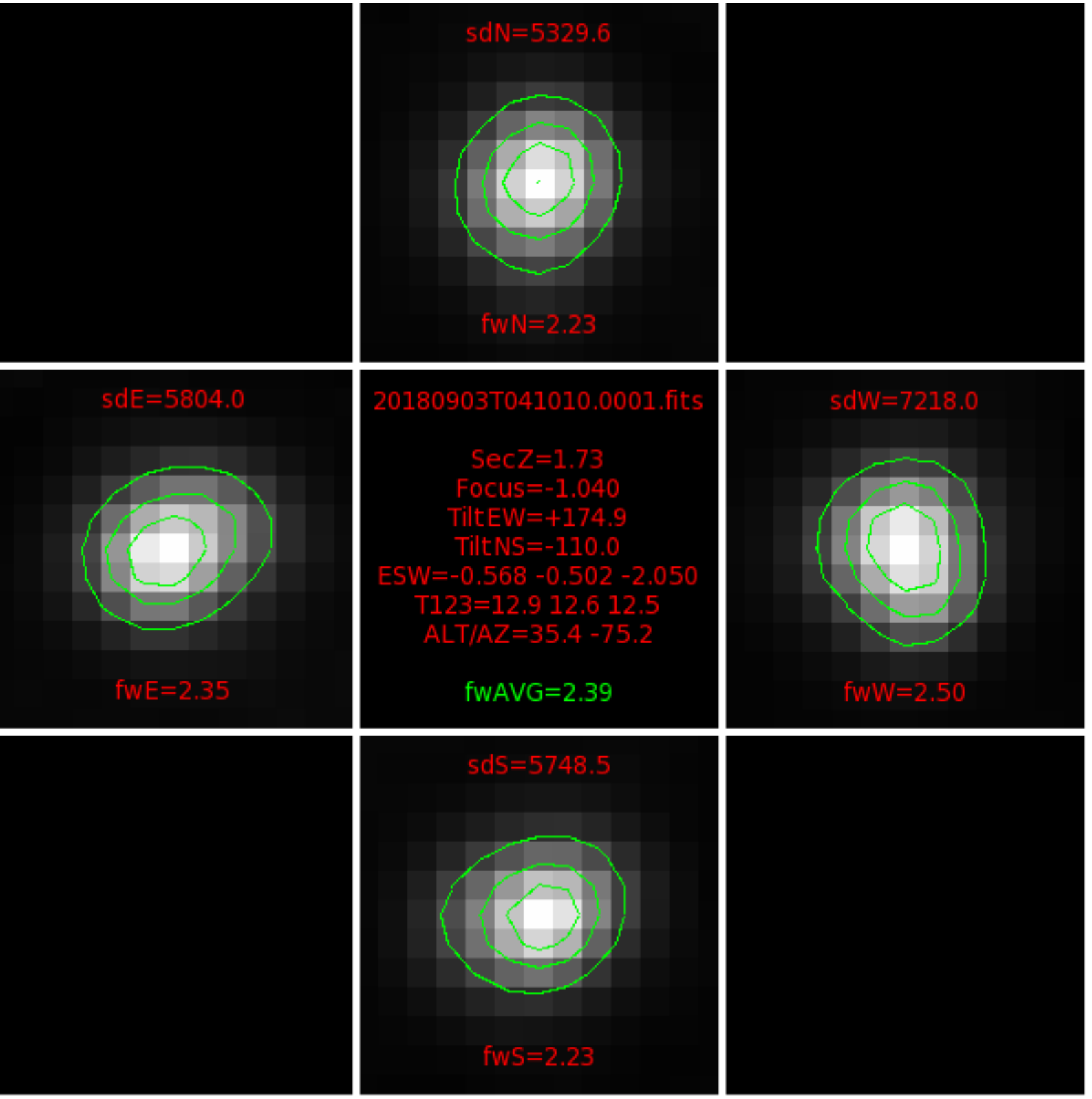
sdN=5329.6
fwN=2.23
sdE=5804.0
fwE=2.35
20180903T041010.0001.fits
SecZ=1.73
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.9 12.6 12.5
ALT/AZ=35.4 -75.2
fwAVG=2.39
sdW=7218.0
fwW=2.50
sdS=5748.5
fwS=2.23
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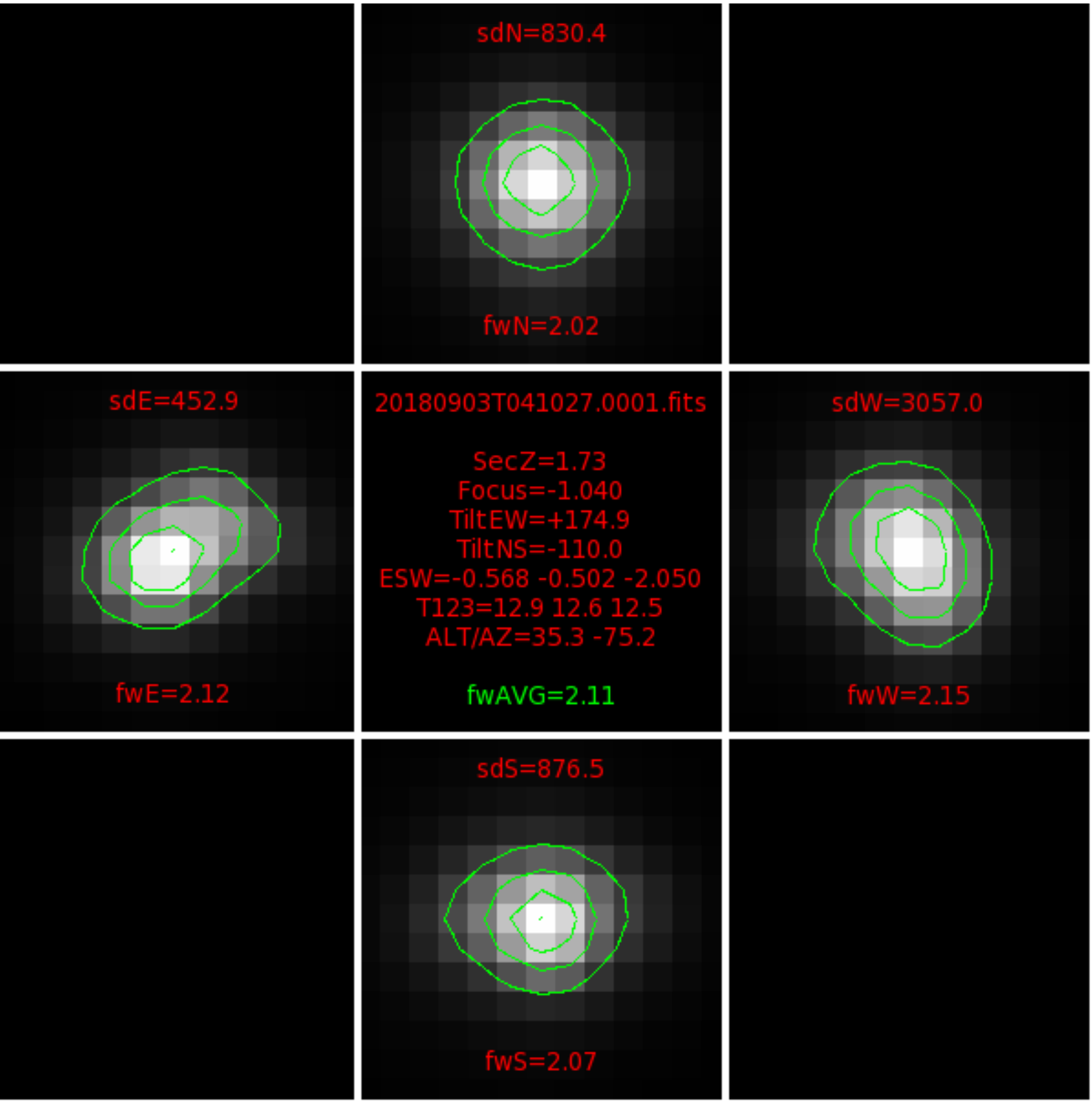
sdN=830.4
fwN=2.02
sdE=452.9
fwE=2.12
20180903T041027.0001.fits
SecZ=1.73
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.9 12.6 12.5
ALT/AZ=35.3 -75.2
fwAVG=2.11
sdW=3057.0
fwW=2.15
sdS=876.5
fwS=2.07
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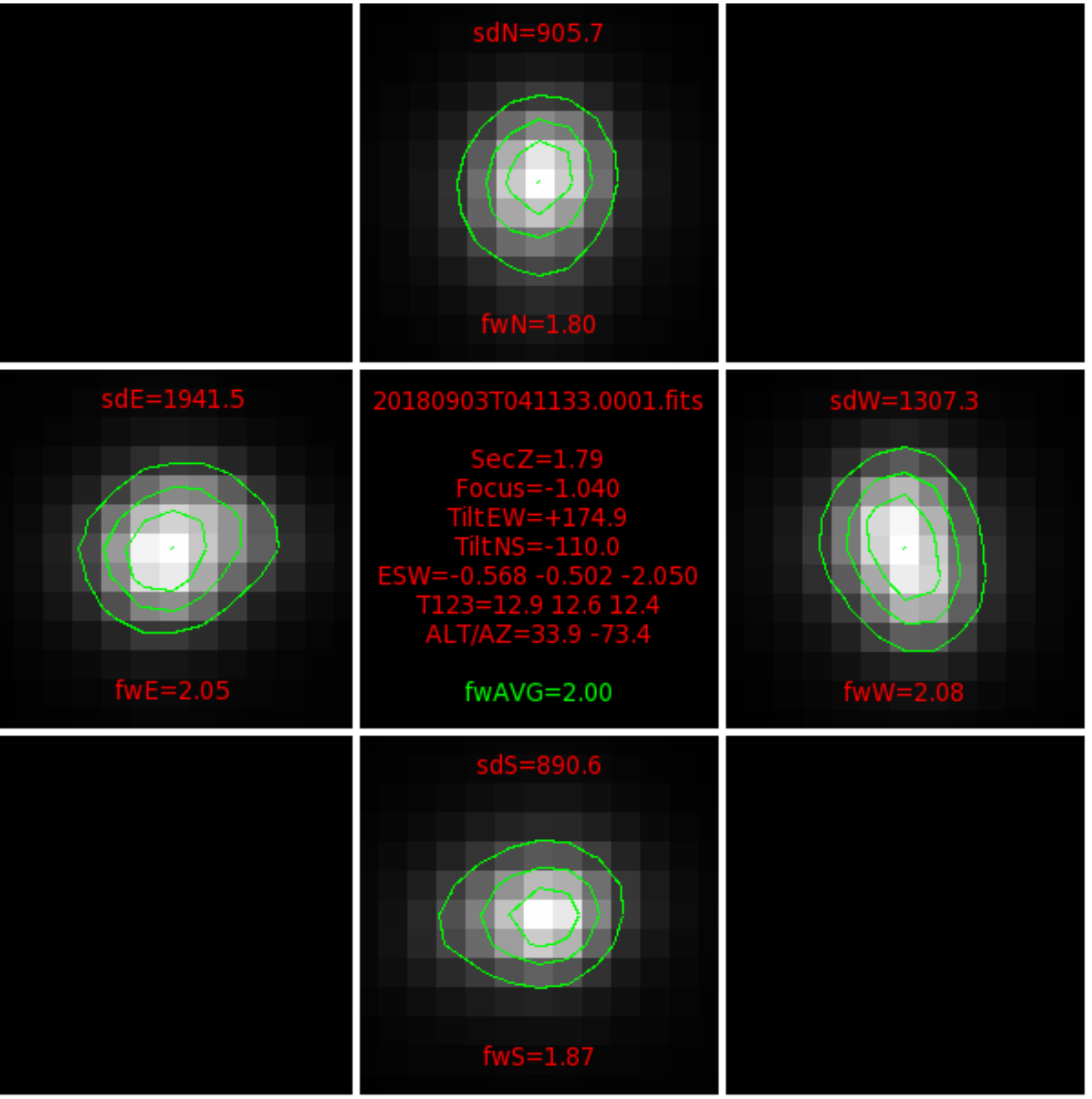
sdN=905.7
fwN=1.80
sdE=1941.5
fwE=2.05
20180903T041133.0001.fits
SecZ=1.79
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.9 12.6 12.4
ALT/AZ=33.9 -73.4
fwAVG=2.00
sdW=1307.3
fwW=2.08
sdS=890.6
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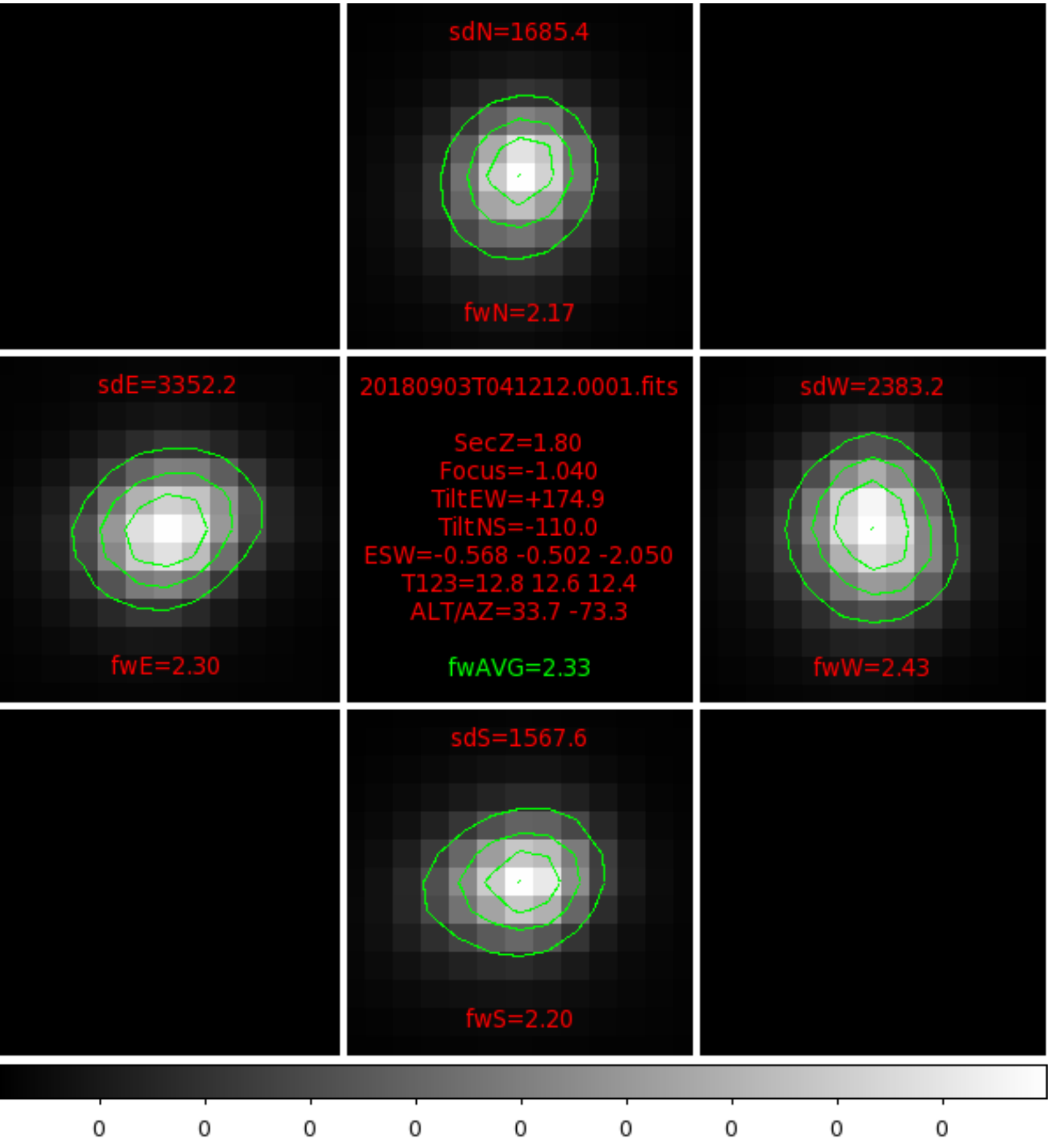
sdN=1685.4
fwN=2.17
sdE=3352.2
fwE=2.30
20180903T041212.0001.fits
SecZ=1.80
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.8 12.6 12.4
ALT/AZ=33.7 -73.3
fwAVG=2.33
sdW=2383.2
fwW=2.43
sdS=1567.6
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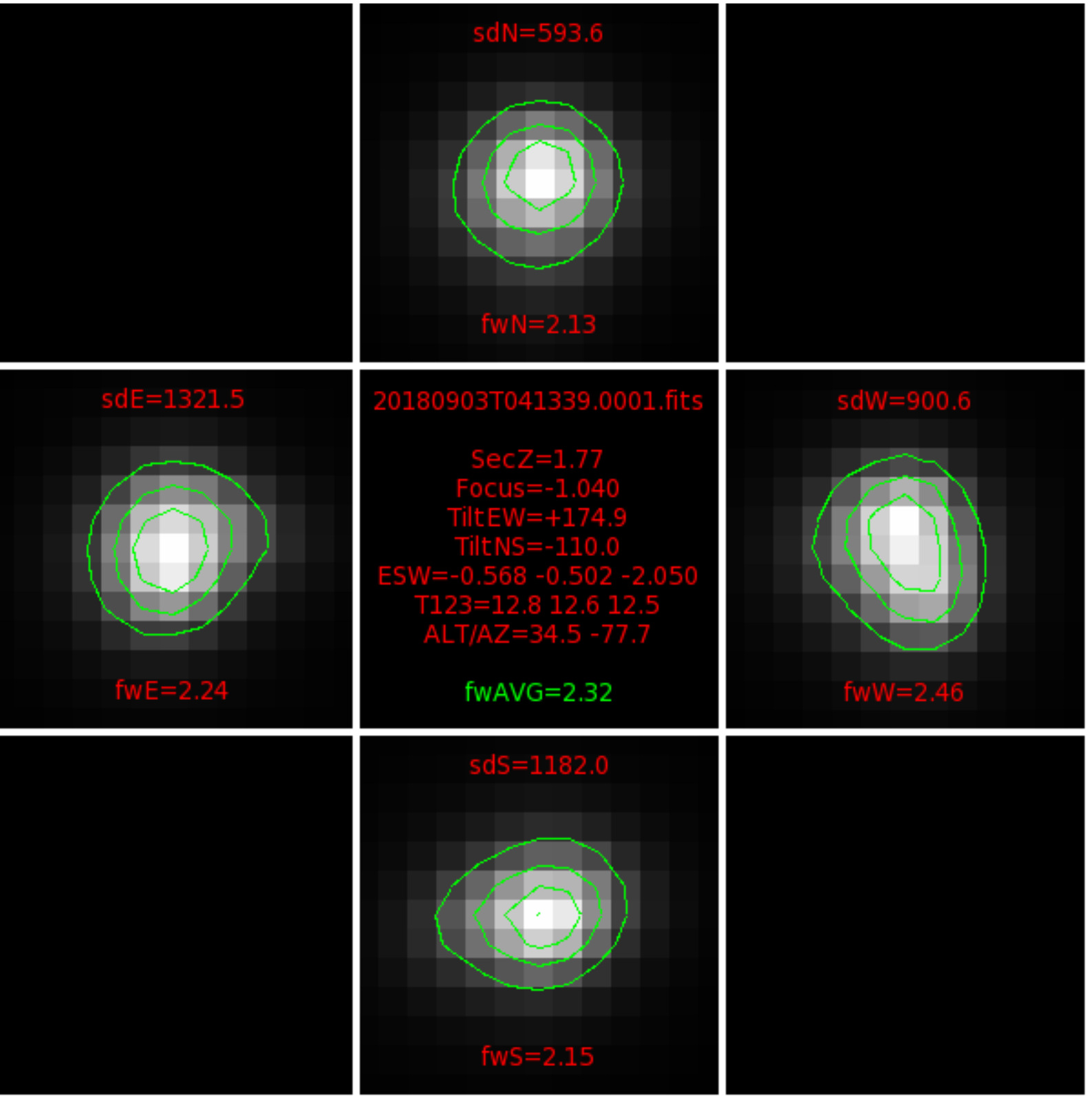
sdN=593.6
fwN=2.13
sdE=1321.5
fwE=2.24
20180903T041339.0001.fits
SecZ=1.77
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.8 12.6 12.5
ALT/AZ=34.5 -77.7
fwAVG=2.32
sdW=900.6
fwW=2.46
sdS=1182.0
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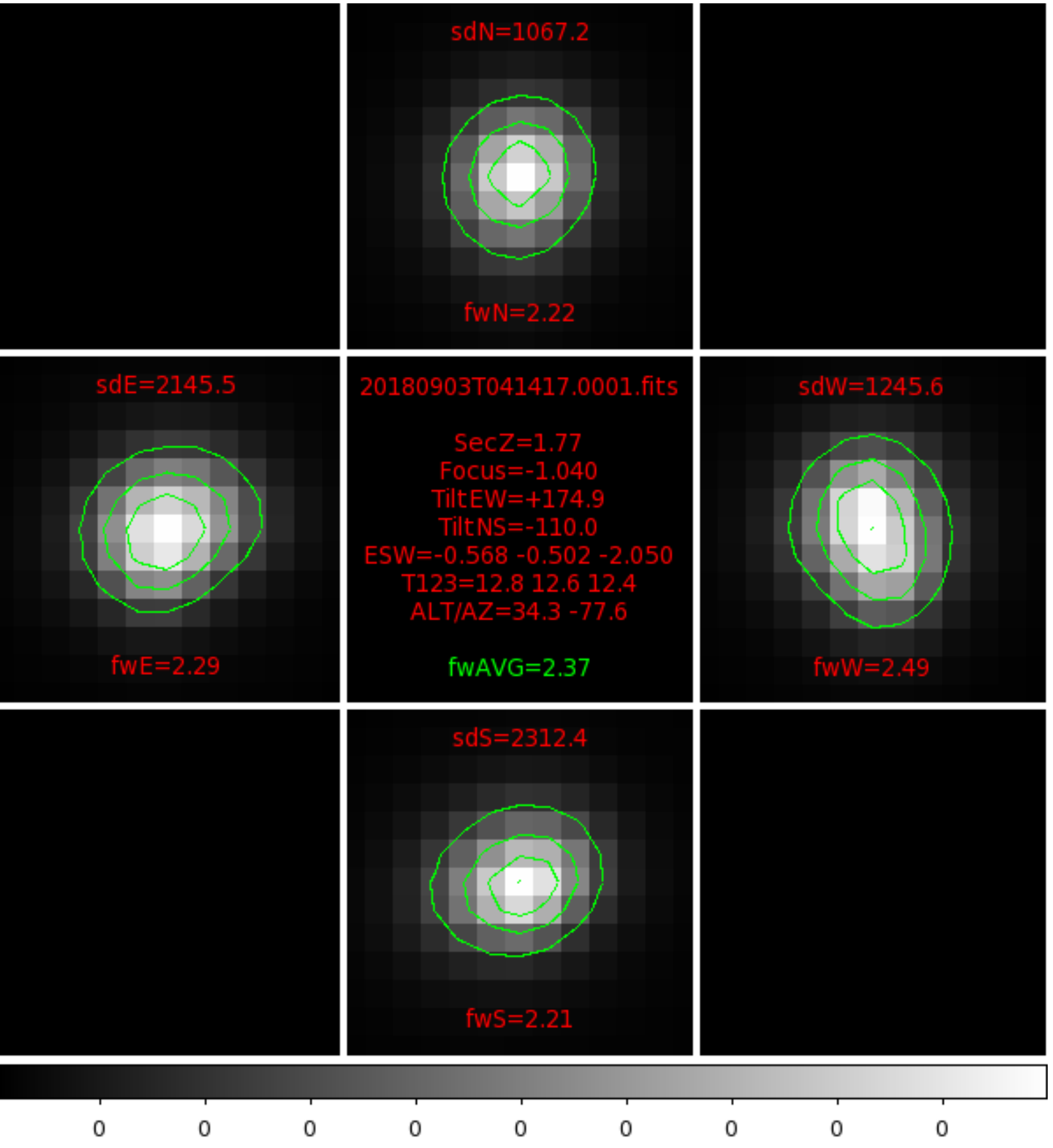
sdN=1067.2
fwN=2.22
sdE=2145.5
fwE=2.29
20180903T041417.0001.fits
SecZ=1.77
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.8 12.6 12.4
ALT/AZ=34.3 -77.6
fwAVG=2.37
sdW=1245.6
fwW=2.49
sdS=2312.4
fwS=2.21
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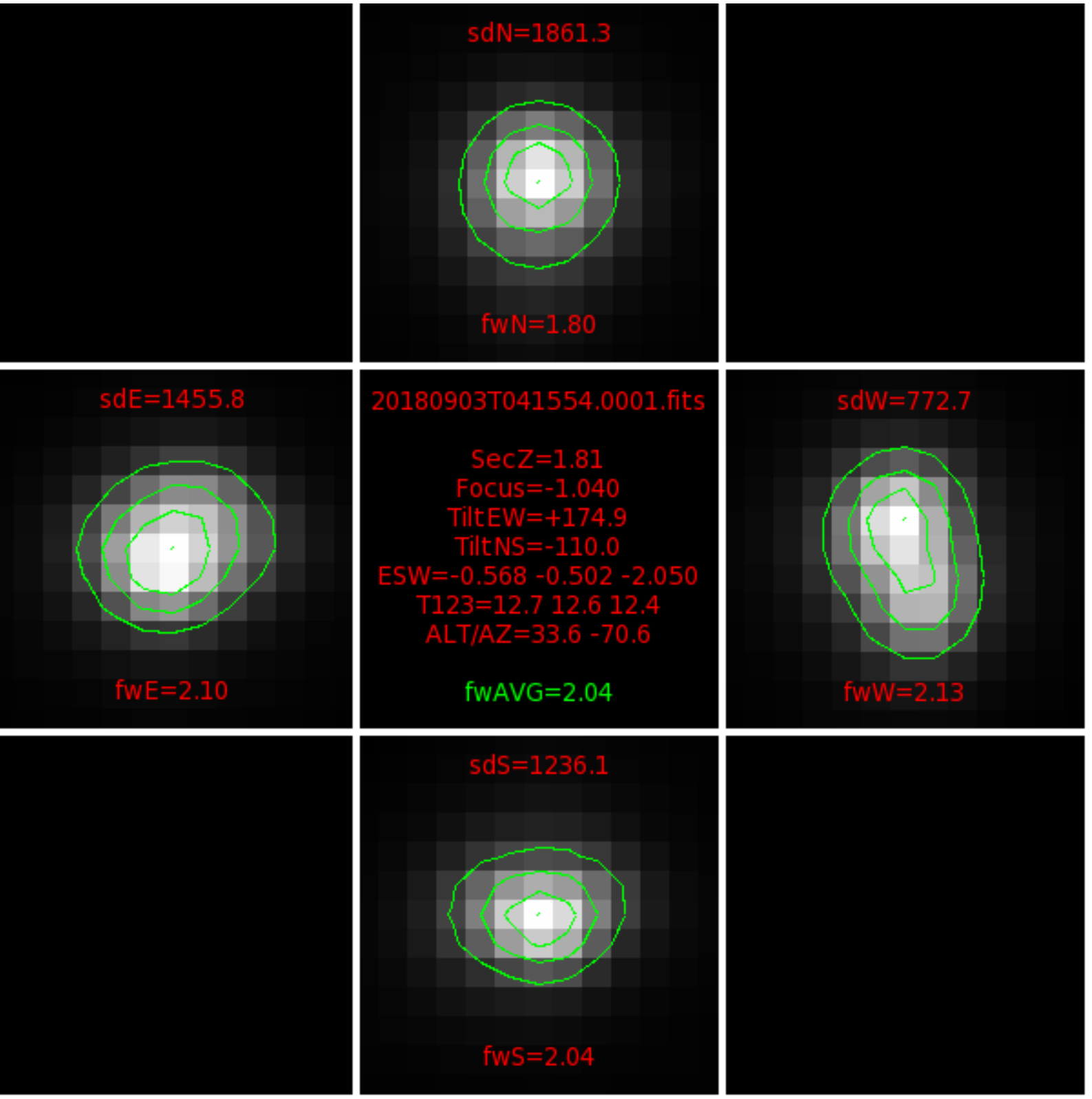
sdN=1861.3
fwN=1.80
sdE=1455.8
fwE=2.10
20180903T041554.0001.fits
SecZ=1.81
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.7 12.6 12.4
ALT/AZ=33.6 -70.6
fwAVG=2.04
sdW=772.7
fwW=2.13
sdS=1236.1
fwS=2.04
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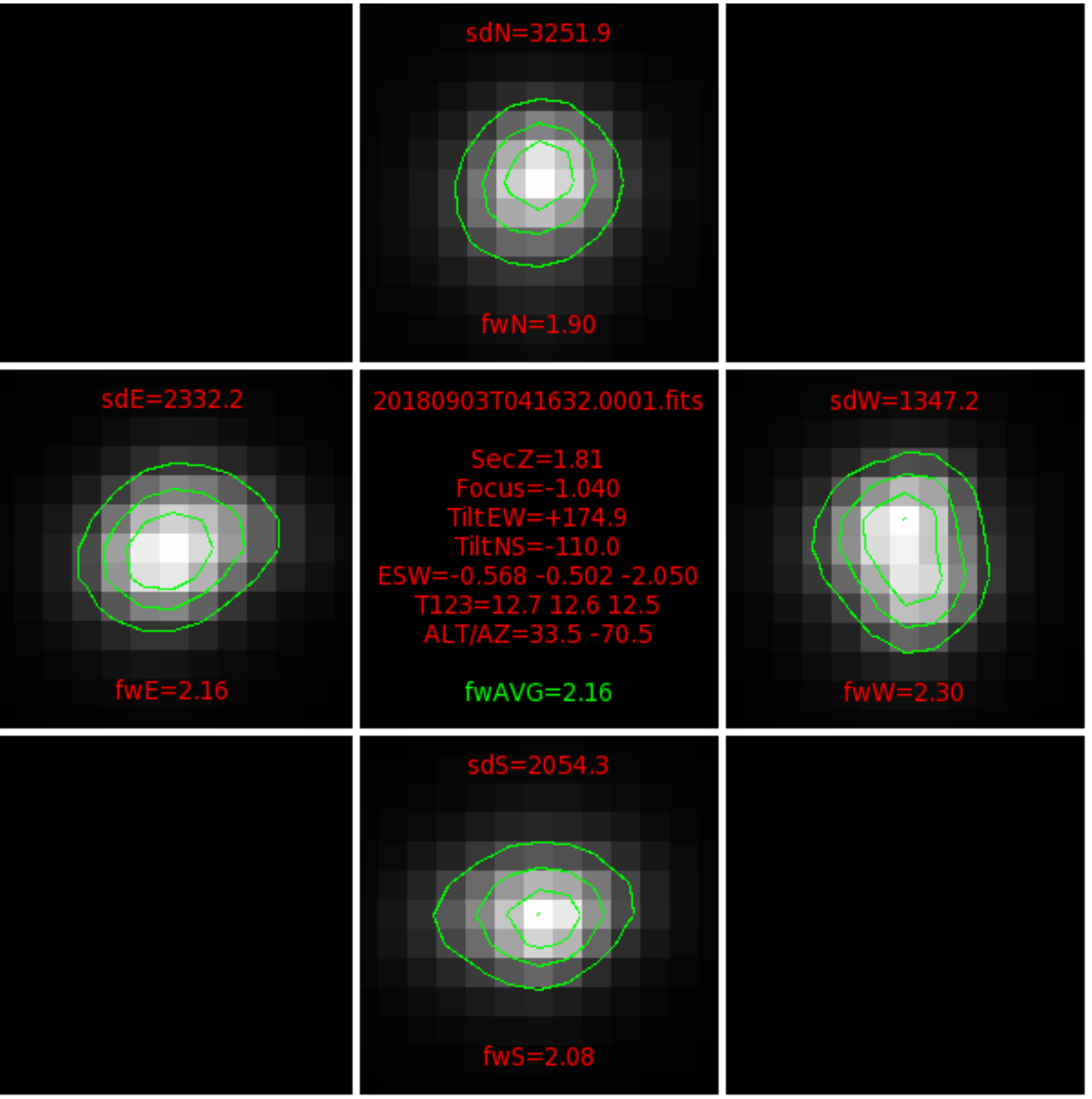
sdN=3251.9
fwN=1.90
sdE=2332.2
fwE=2.16
20180903T041632.0001.fits
SecZ=1.81
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.7 12.6 12.5
ALT/AZ=33.5 -70.5
fwAVG=2.16
sdW=1347.2
fwW=2.30
sdS=2054.3
fwS=2.08
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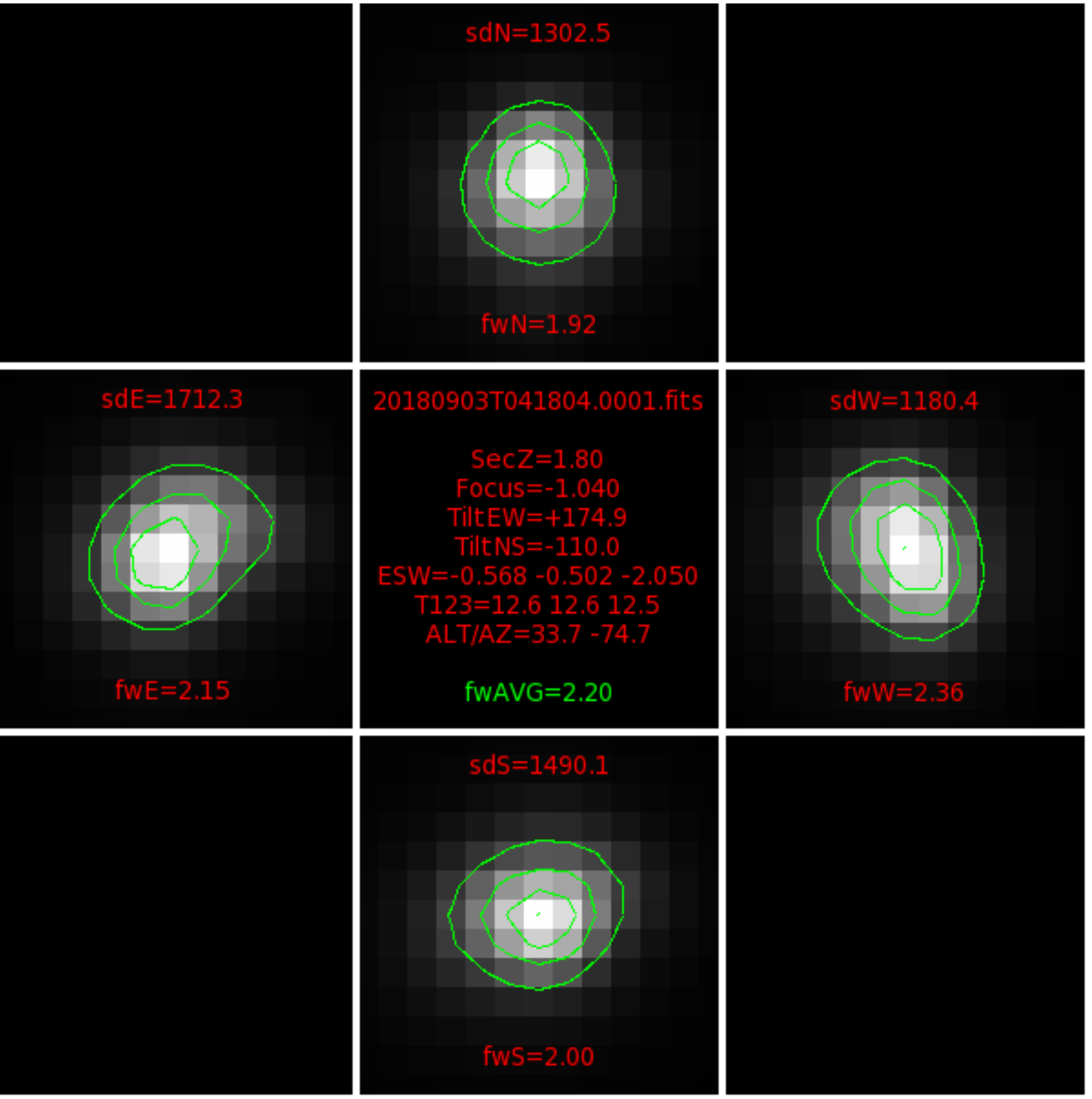
sdN=1302.5
fwN=1.92
sdE=1712.3
fwE=2.15
20180903T041804.0001.fits
SecZ=1.80
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.6 12.6 12.5
ALT/AZ=33.7 -74.7
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sdW=1180.4
fwW=2.36
sdS=1490.1
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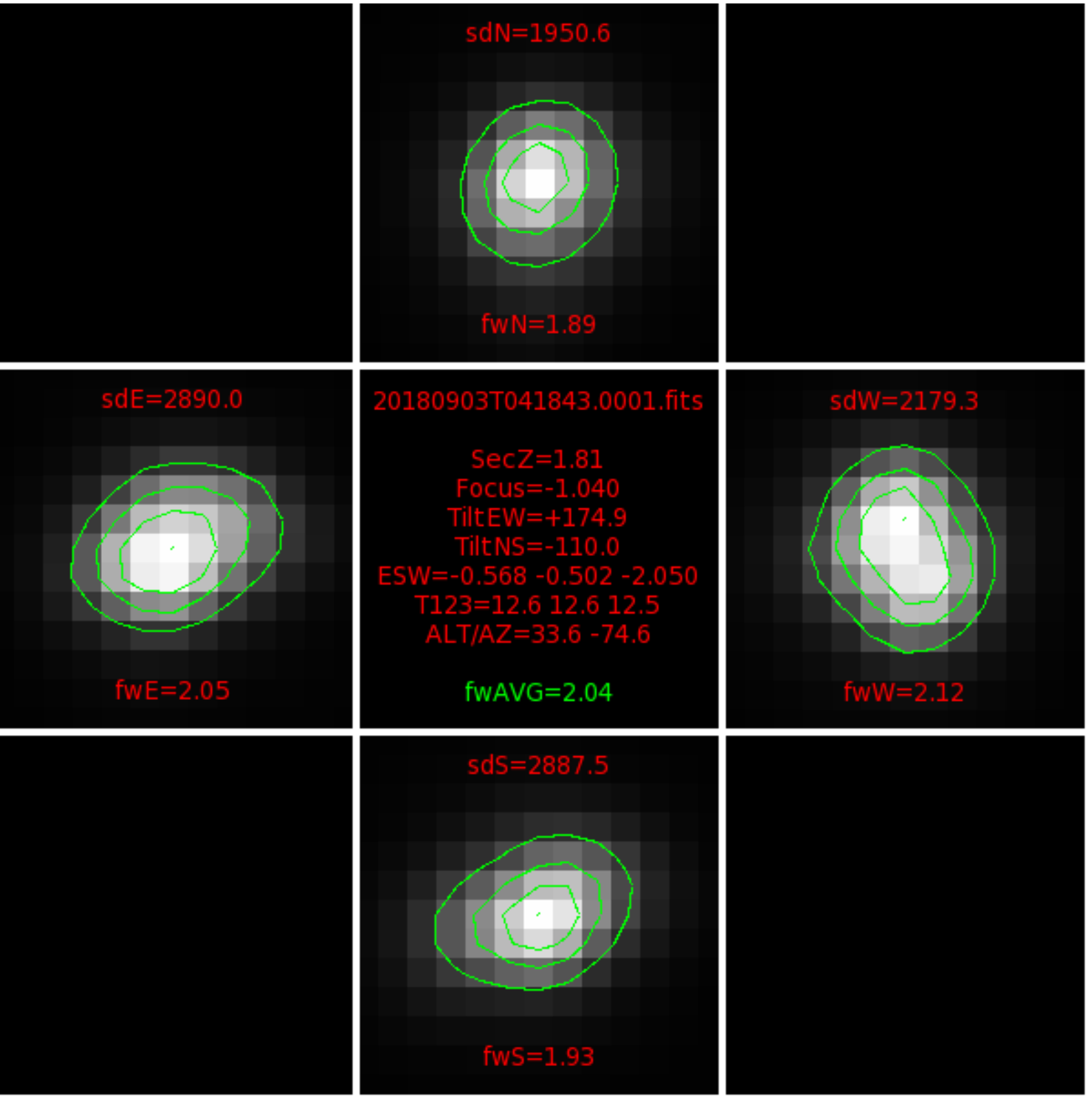
sdN=1950.6
fwN=1.89
sdE=2890.0
fwE=2.05
20180903T041843.0001.fits
SecZ=1.81
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.6 12.6 12.5
ALT/AZ=33.6 -74.6
fwAVG=2.04
sdW=2179.3
fwW=2.12
sdS=2887.5
fwS=1.93
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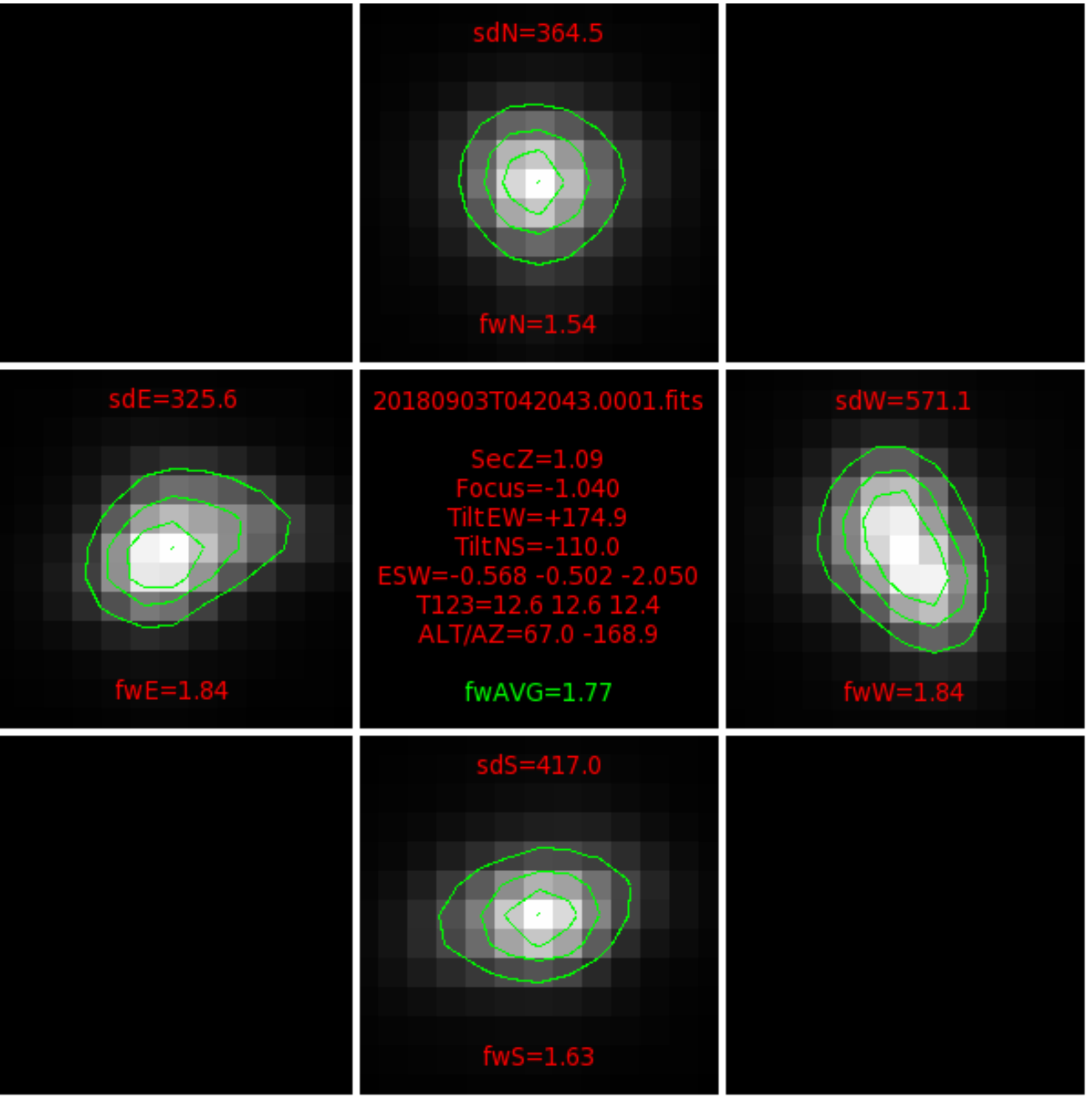
sdN=364.5
fwN=1.54
sdE=325.6
fwE=1.84
20180903T042043.0001.fits
SecZ=1.09
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.6 12.6 12.4
ALT/AZ=67.0 -168.9
fwAVG=1.77
sdW=571.1
fwW=1.84
sdS=417.0
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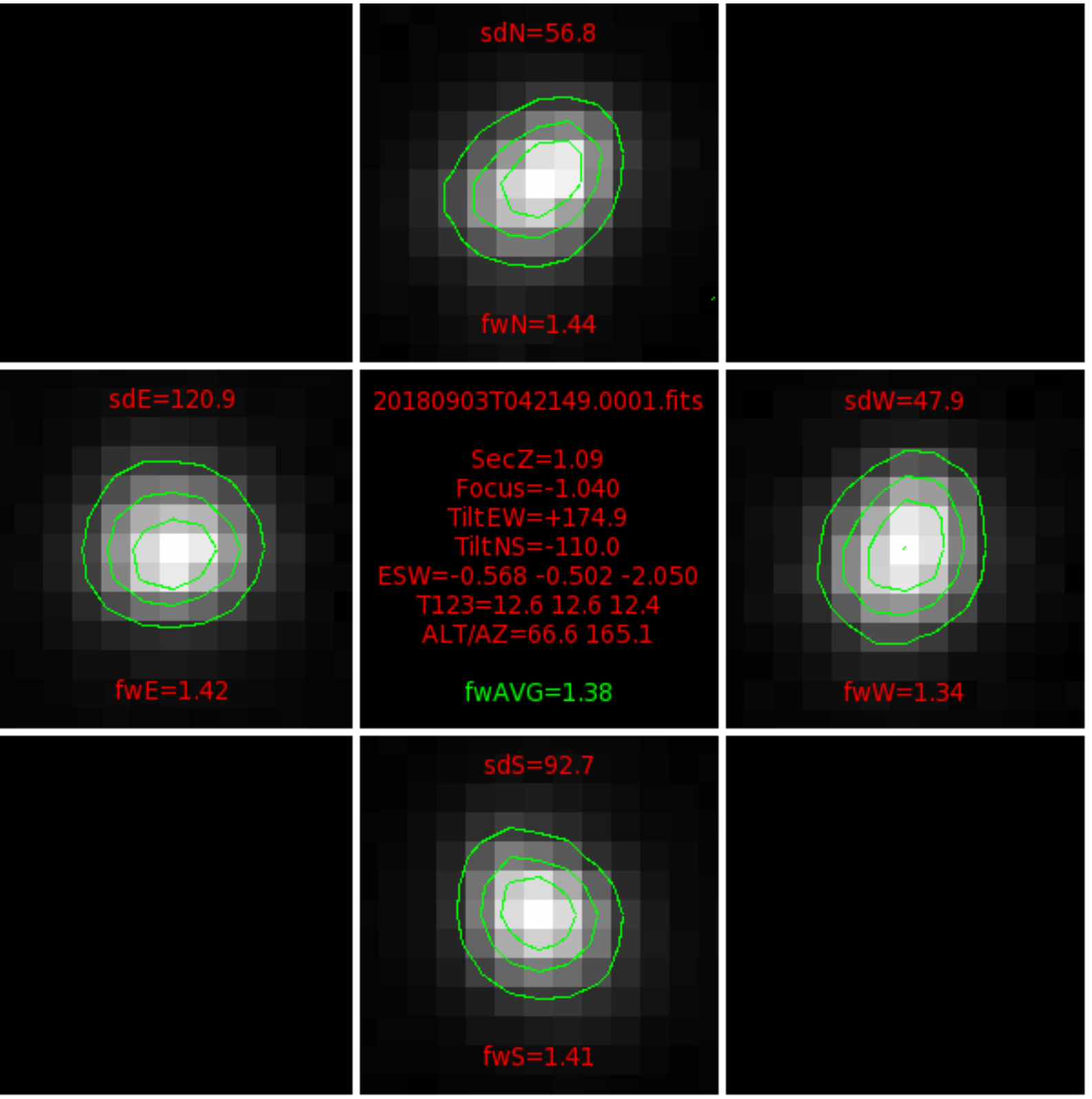
sdN=56.8
fwN=1.44
sdE=120.9
fwE=1.42
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SecZ=1.09
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.6 12.6 12.4
ALT/AZ=66.6 165.1
fwAVG=1.38
sdW=47.9
fwW=1.34
sdS=92.7
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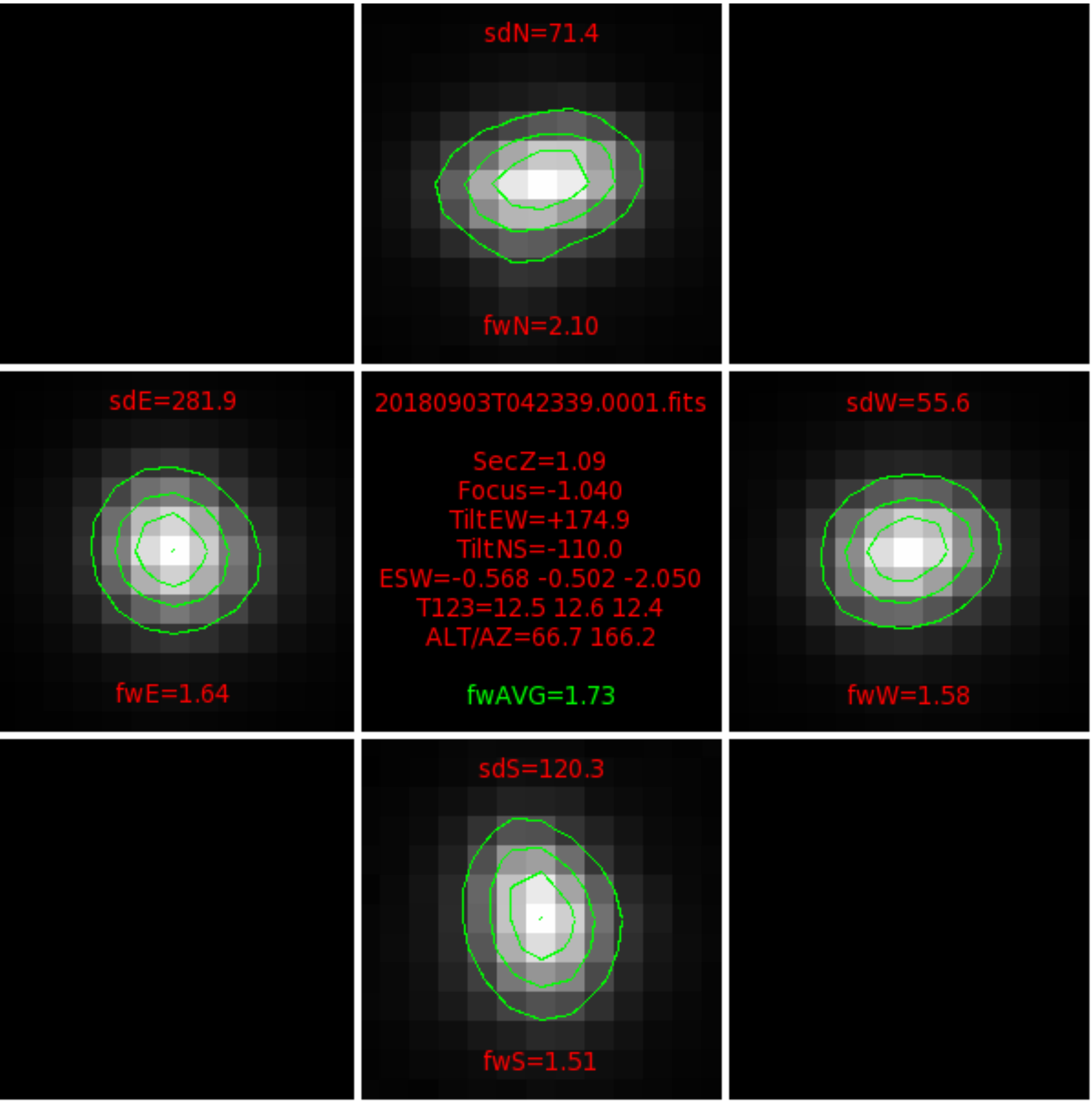
sdN=71.4
fwN=2.10
sdE=281.9
fwE=1.64
20180903T042339.0001.fits
SecZ=1.09
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.5 12.6 12.4
ALT/AZ=66.7 166.2
fwAVG=1.73
sdW=55.6
fwW=1.58
sdS=120.3
fwS=1.51
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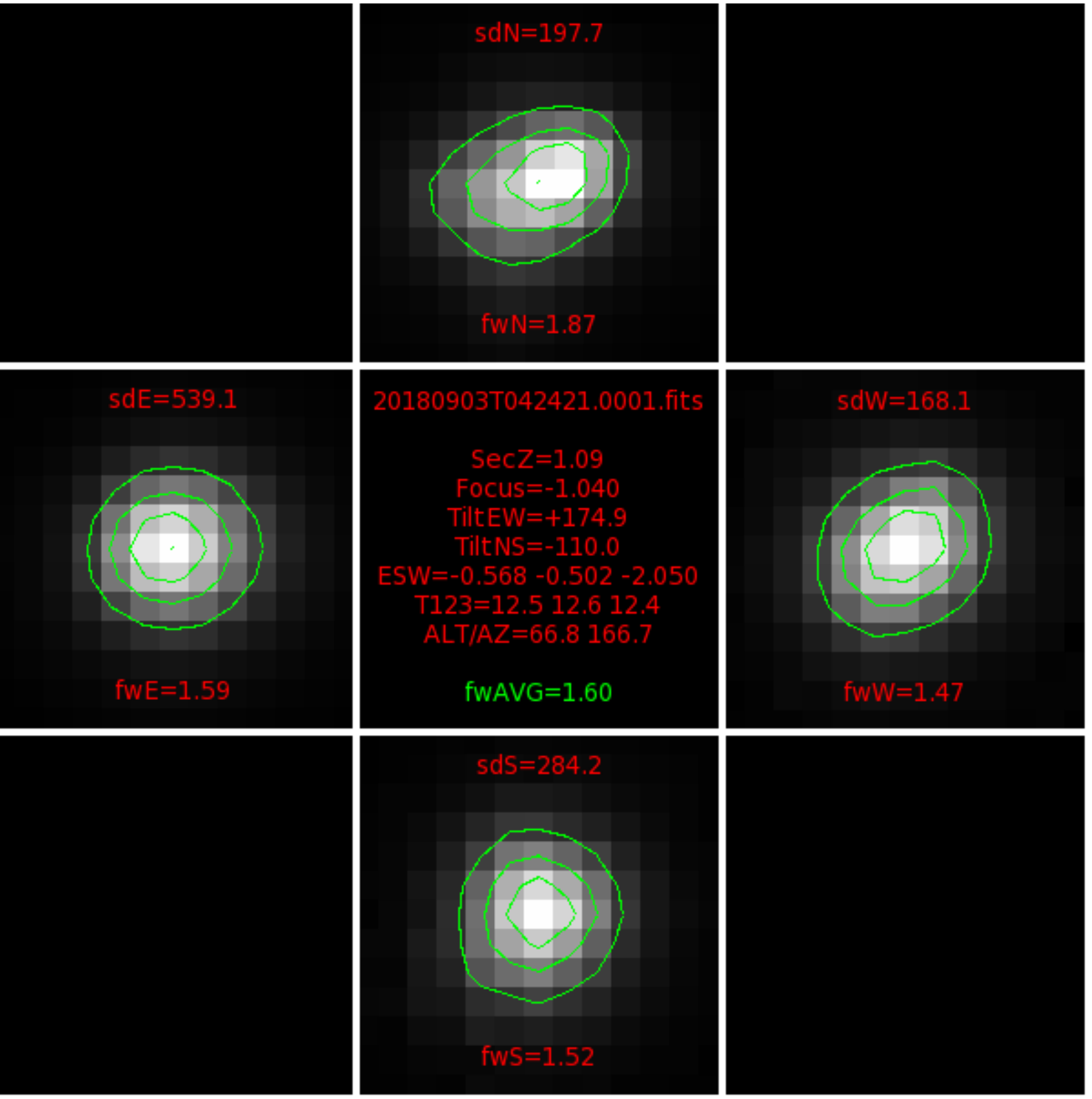
sdN=197.7
fwN=1.87
sdE=539.1
fwE=1.59
20180903T042421.0001.fits
SecZ=1.09
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.5 12.6 12.4
ALT/AZ=66.8 166.7
fwAVG=1.60
sdW=168.1
fwW=1.47
sdS=284.2
fwS=1.52
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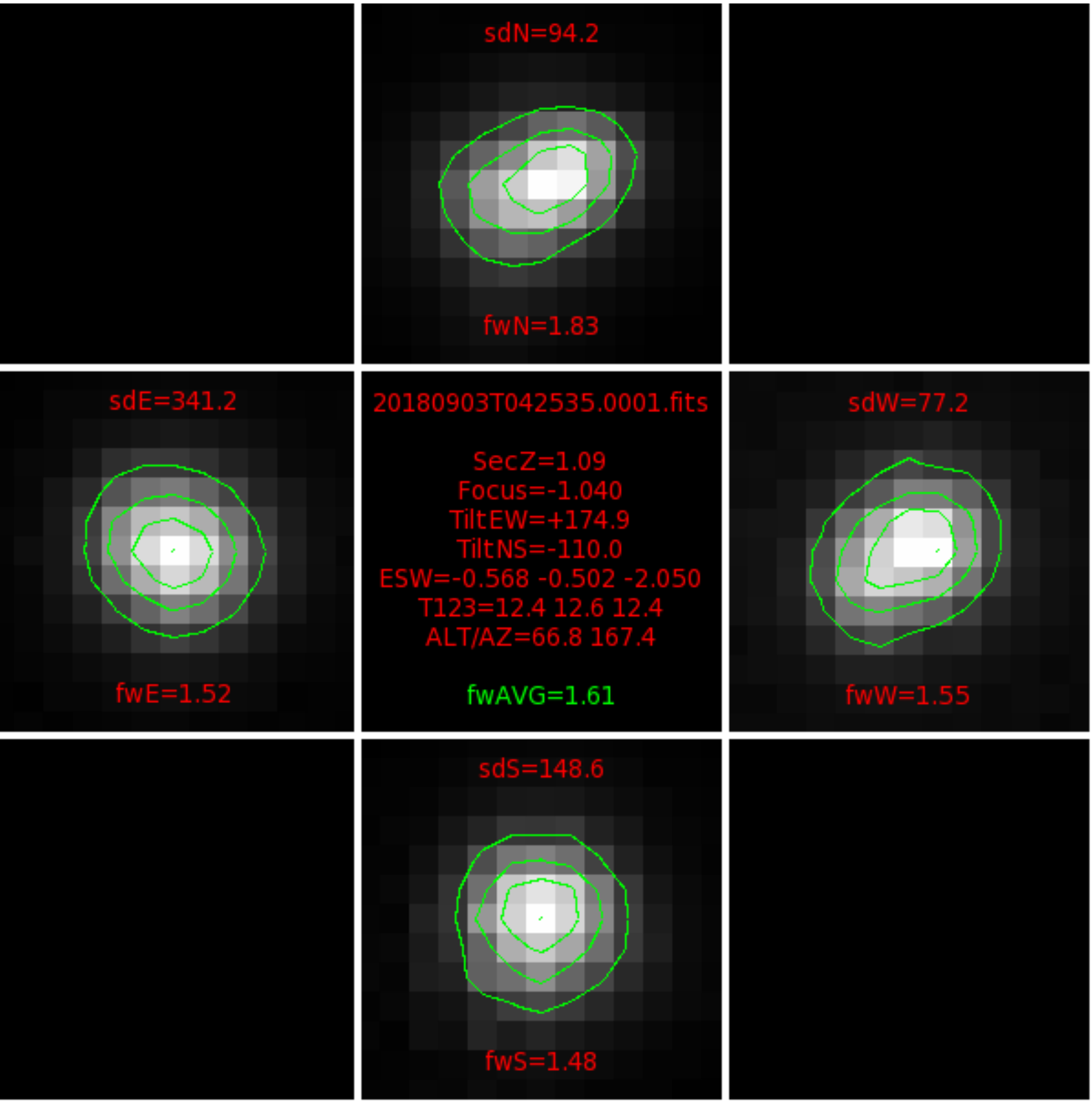
sdN=94.2
fwN=1.83
sdE=341.2
fwE=1.52
20180903T042535.0001.fits
SecZ=1.09
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.4 12.6 12.4
ALT/AZ=66.8 167.4
fwAVG=1.61
sdW=77.2
fwW=1.55
sdS=148.6
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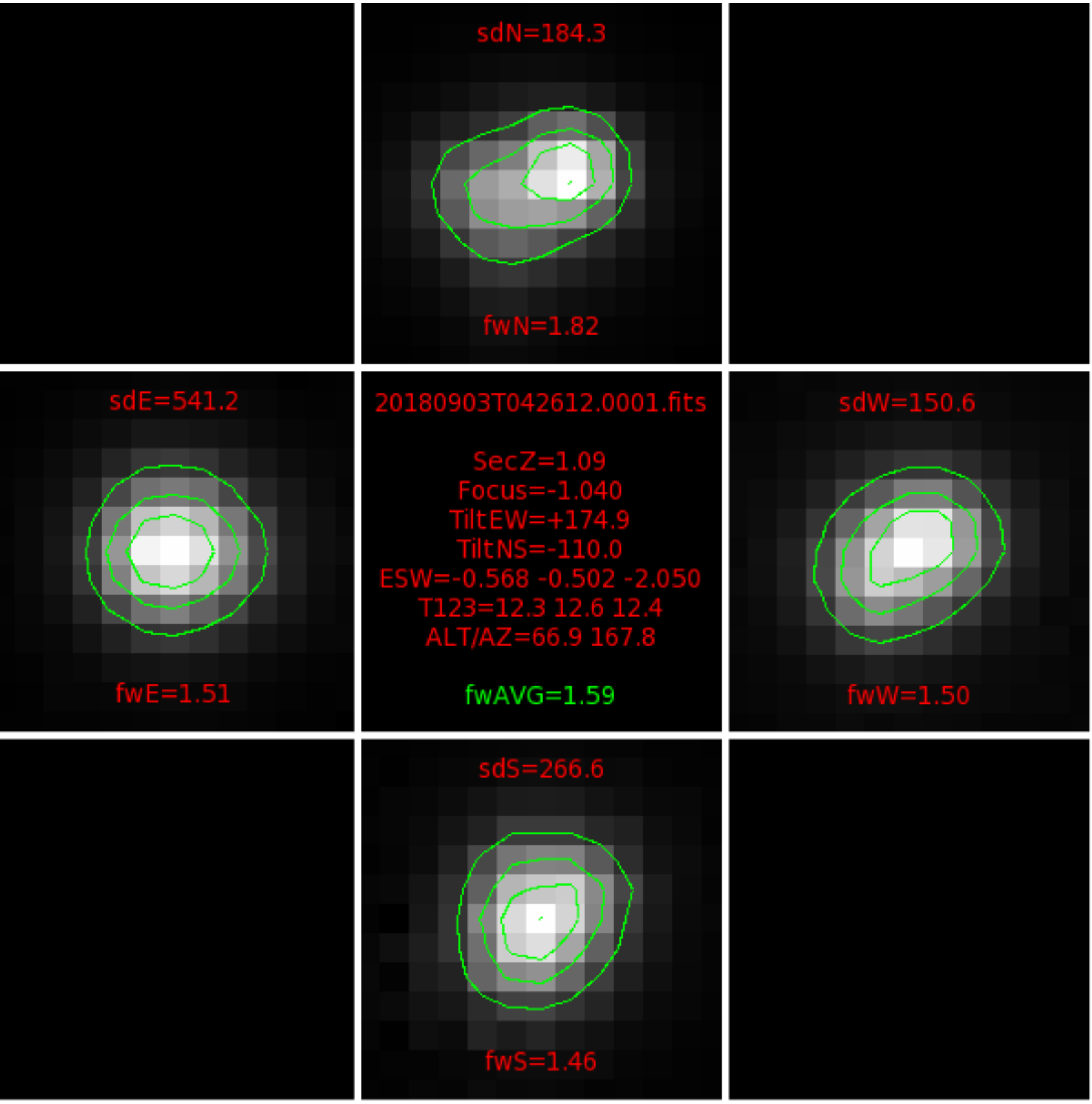
sdN=184.3
fwN=1.82
sdE=541.2
fwE=1.51
20180903T042612.0001.fits
SecZ=1.09
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.3 12.6 12.4
ALT/AZ=66.9 167.8
fwAVG=1.59
sdW=150.6
fwW=1.50
sdS=266.6
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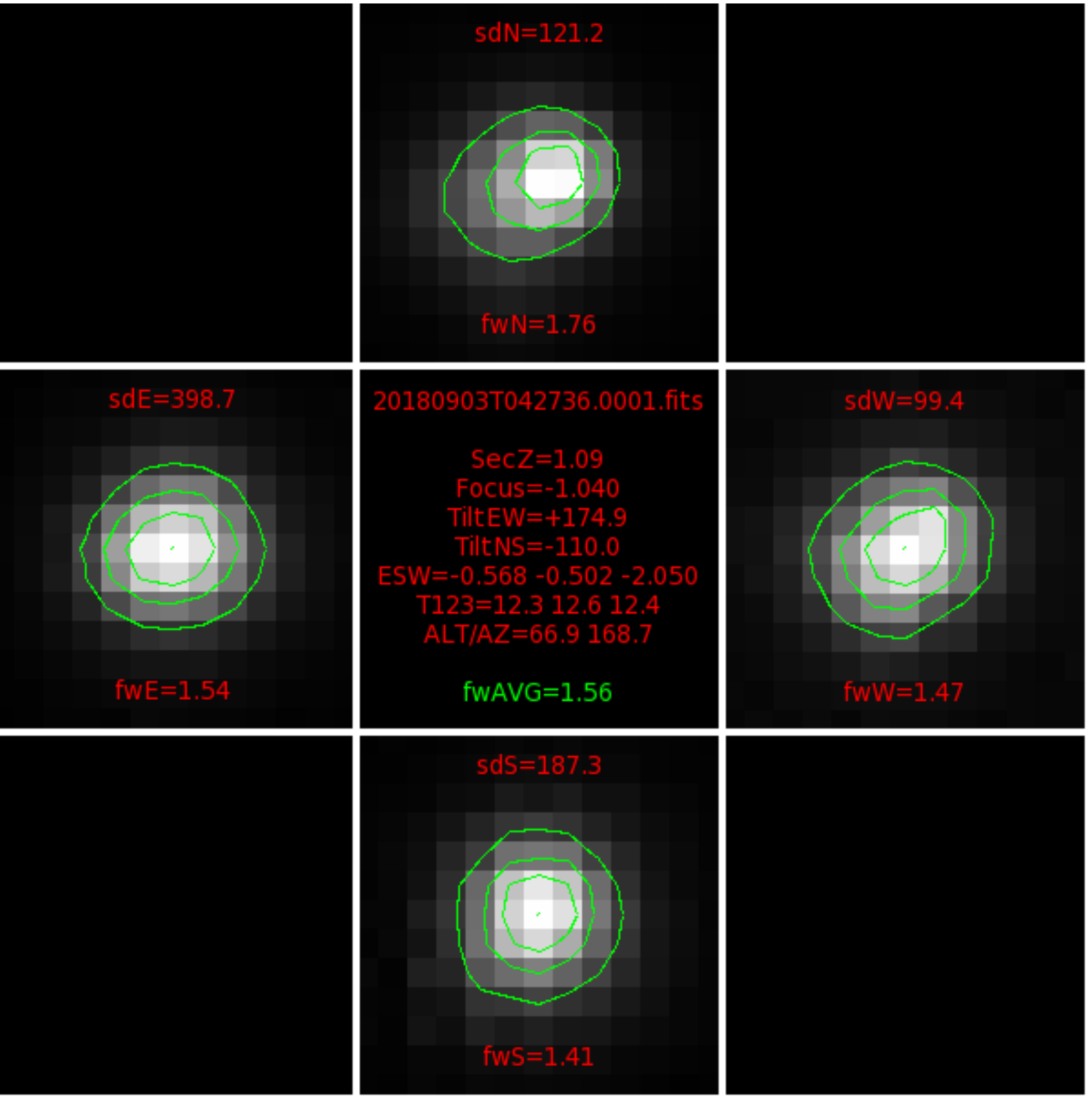
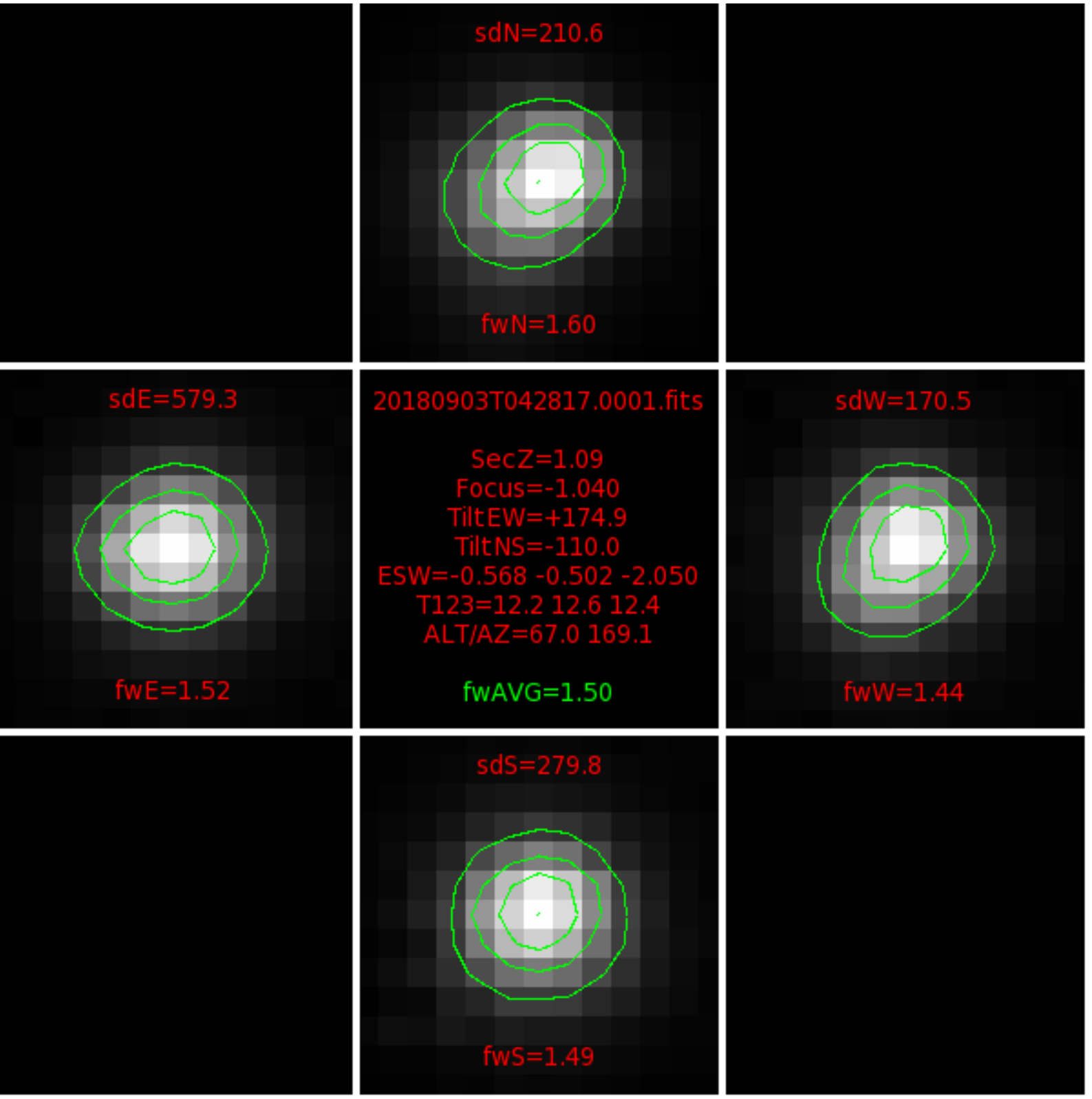

sdN=121.2
fwN=1.76
sdE=398.7
fwE=1.54
20180903T042736.0001.fits
SecZ=1.09
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.3 12.6 12.4
ALT/AZ=66.9 168.7
fwAVG=1.56
sdW=99.4
fwW=1.47
sdS=187.3
fwS=1.41
0 0 0 0 0 0 0 0 0


sdN=210.6
fwN=1.60
sdE=579.3
fwE=1.52
20180903T042817.0001.fits
SecZ=1.09
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.2 12.6 12.4
ALT/AZ=67.0 169.1
fwAVG=1.50
sdW=170.5
fwW=1.44
sdS=279.8
fwS=1.49
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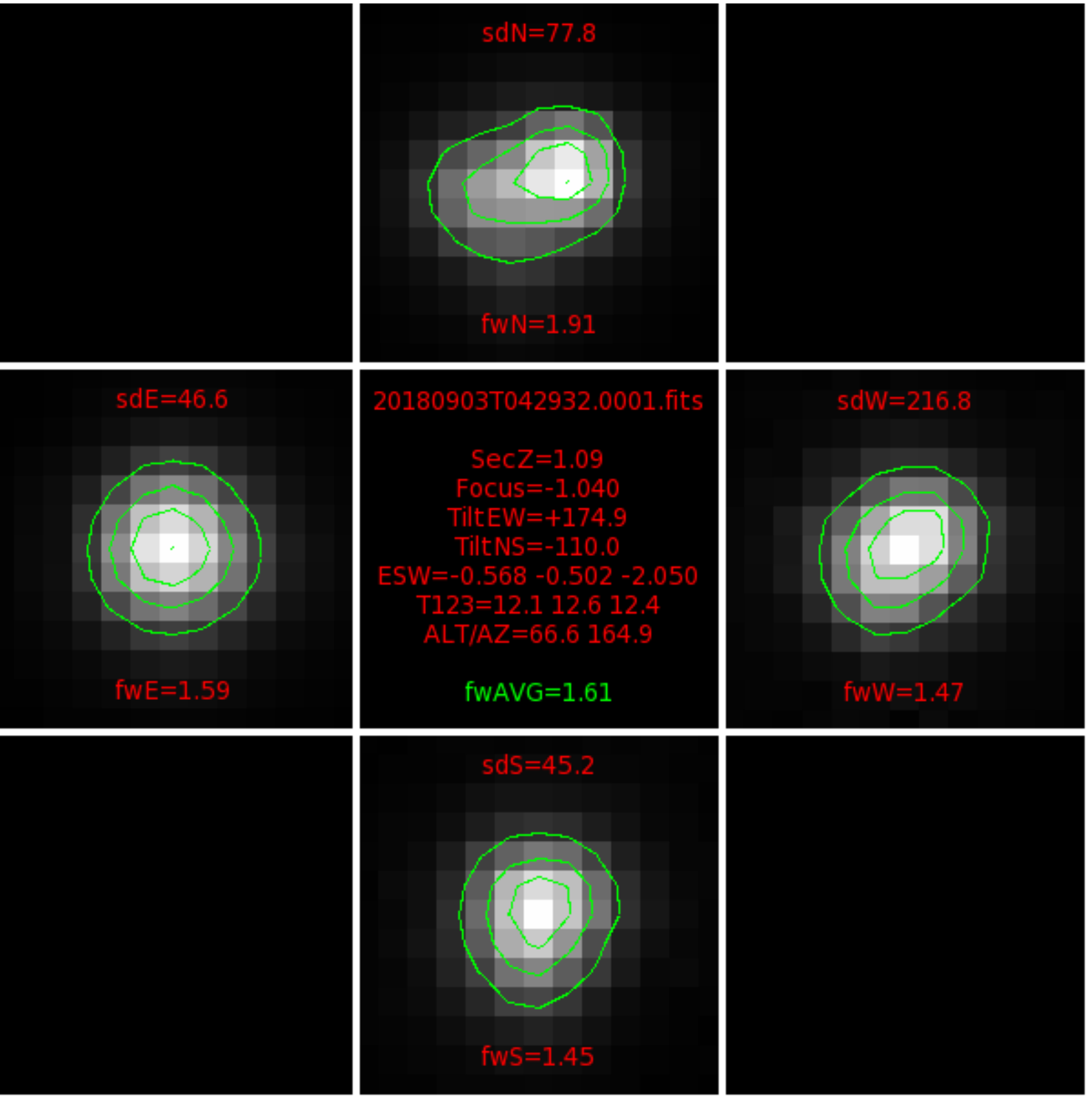
sdN=77.8
fwN=1.91
sdE=46.6
fwE=1.59
20180903T042932.0001.fits
SecZ=1.09
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.1 12.6 12.4
ALT/AZ=66.6 164.9
fwAVG=1.61
sdW=216.8
fwW=1.47
sdS=45.2
fwS=1.45
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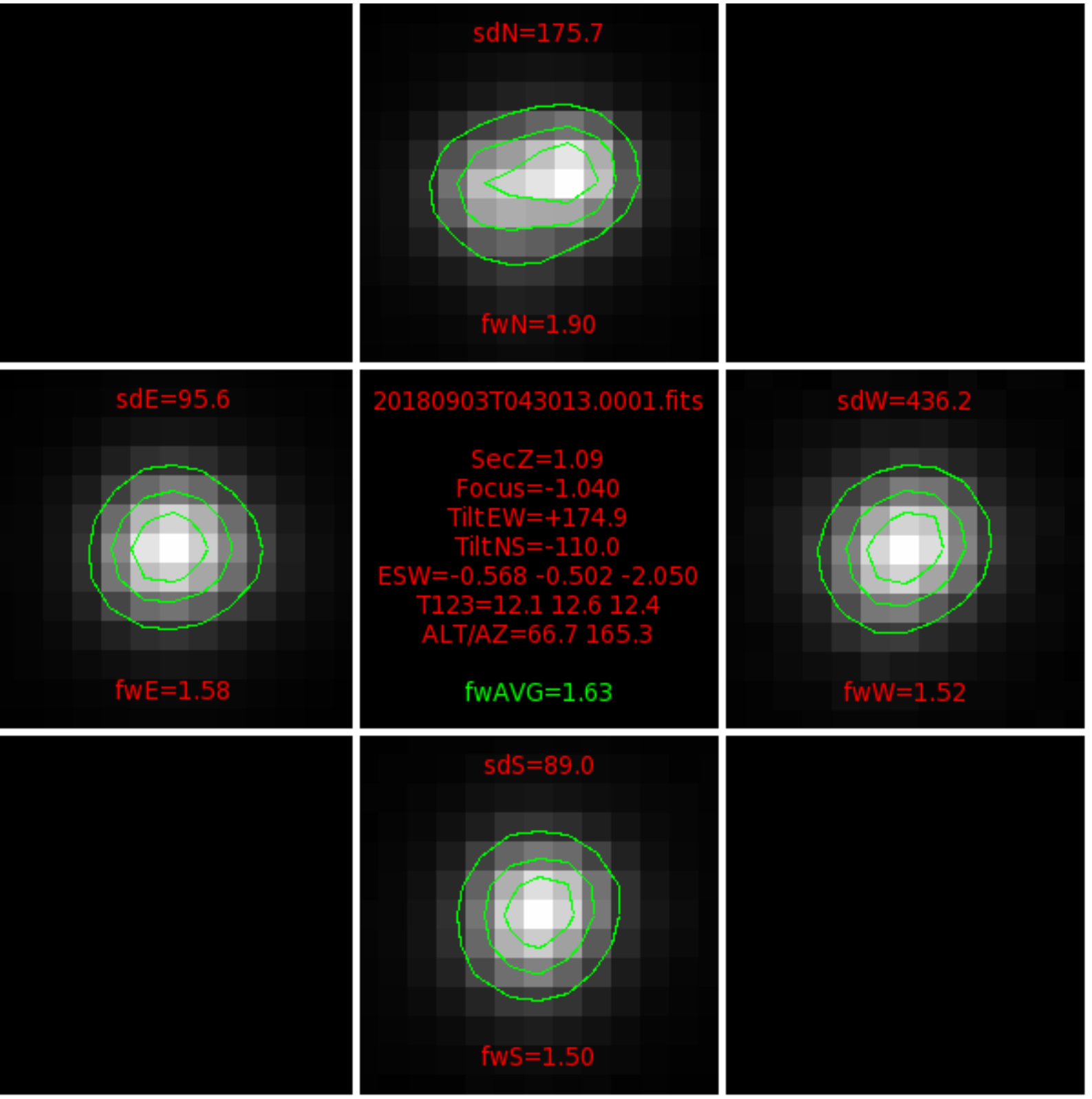
sdN=175.7
fwN=1.90
sdE=95.6
fwE=1.58
20180903T043013.0001.fits
SecZ=1.09
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.1 12.6 12.4
ALT/AZ=66.7 165.3
fwAVG=1.63
sdW=436.2
fwW=1.52
sdS=89.0
fwS=1.50
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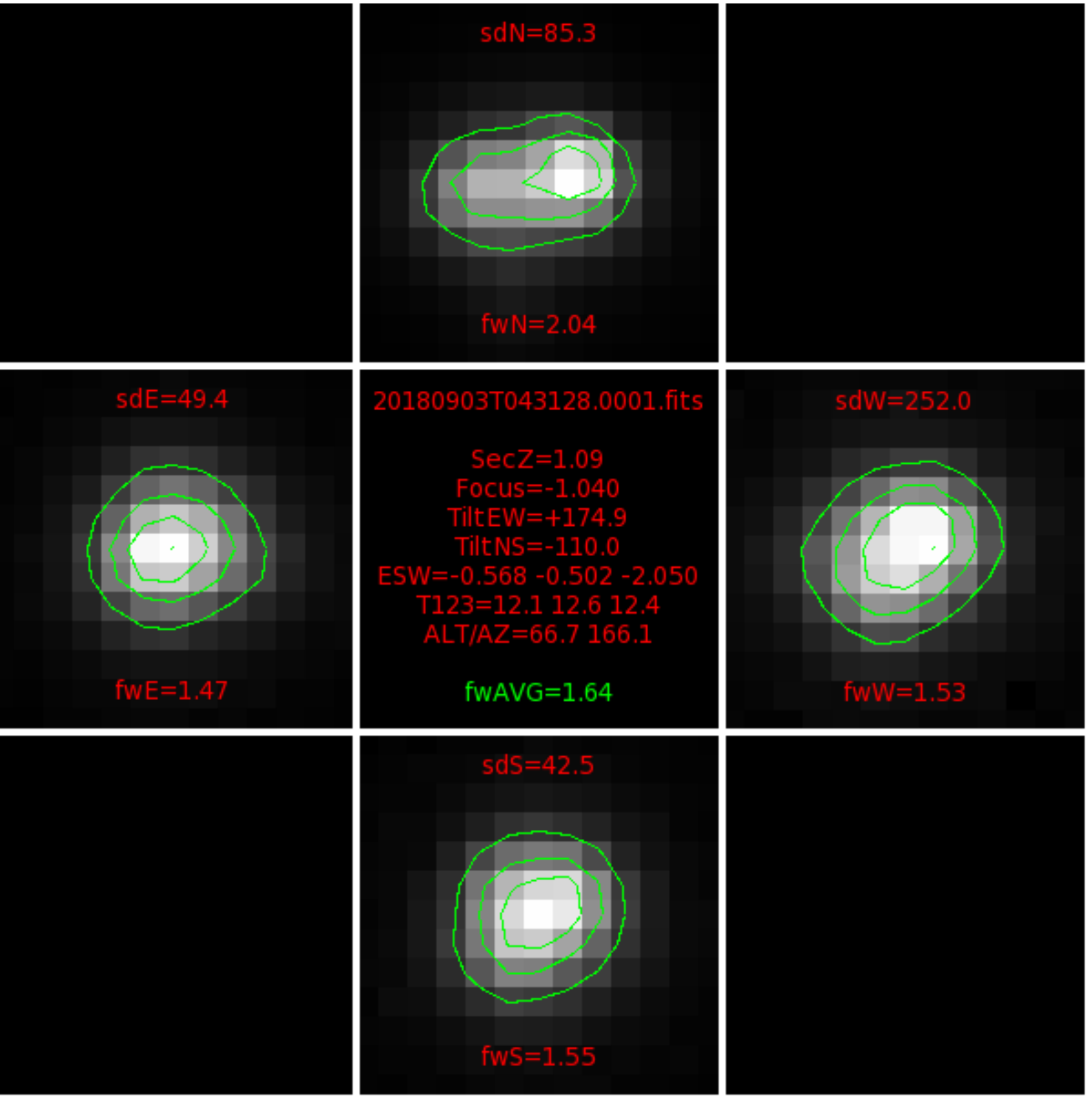
sdN=85.3
fwN=2.04
sdE=49.4
fwE=1.47
20180903T043128.0001.fits
SecZ=1.09
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.1 12.6 12.4
ALT/AZ=66.7 166.1
fwAVG=1.64
sdW=252.0
fwW=1.53
sdS=42.5
fwS=1.55
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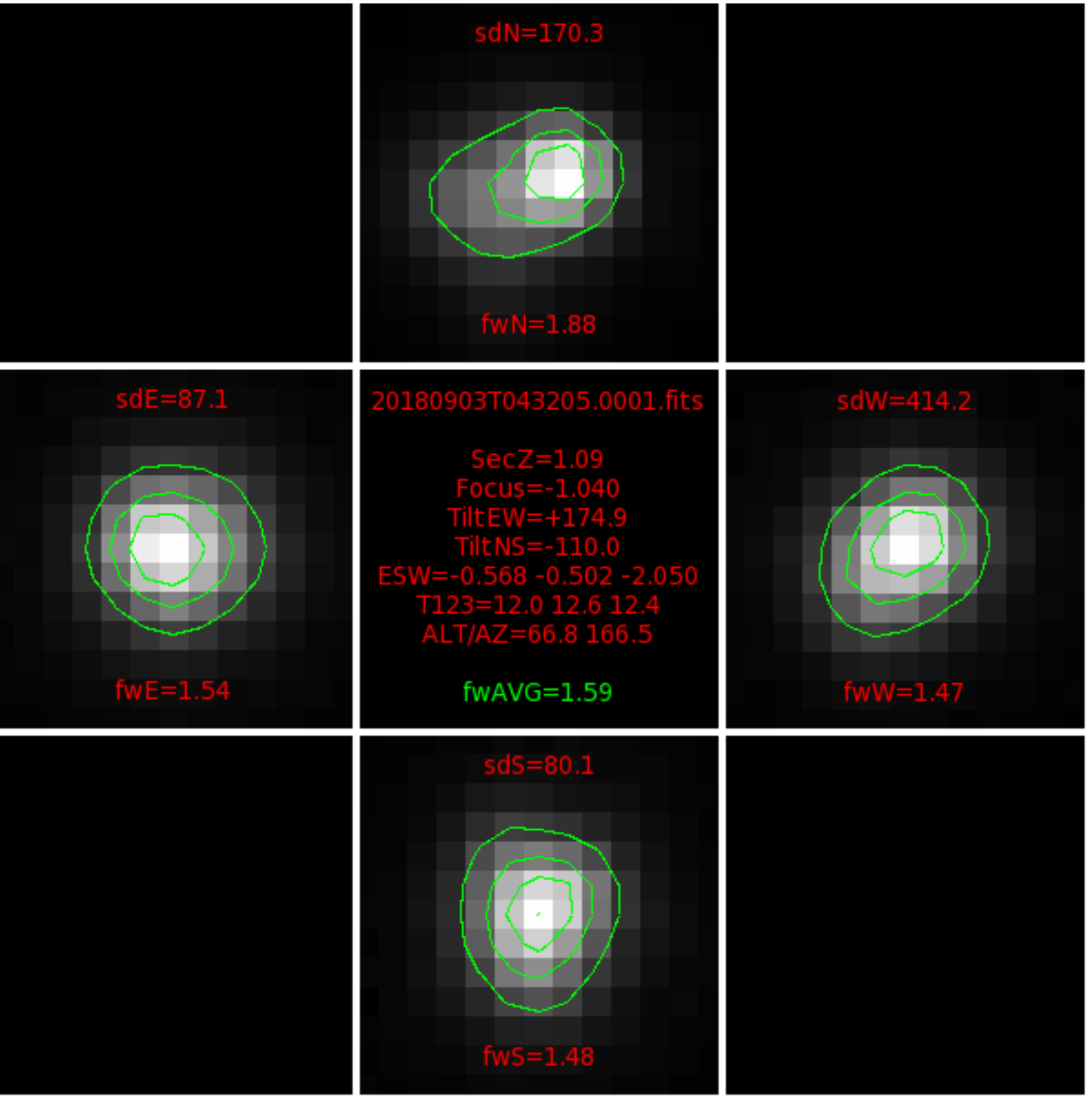
sdN=170.3
fwN=1.88
sdE=87.1
fwE=1.54
20180903T043205.0001.fits
SecZ=1.09
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.0 12.6 12.4
ALT/AZ=66.8 166.5
fwAVG=1.59
sdW=414.2
fwW=1.47
sdS=80.1
fwS=1.48
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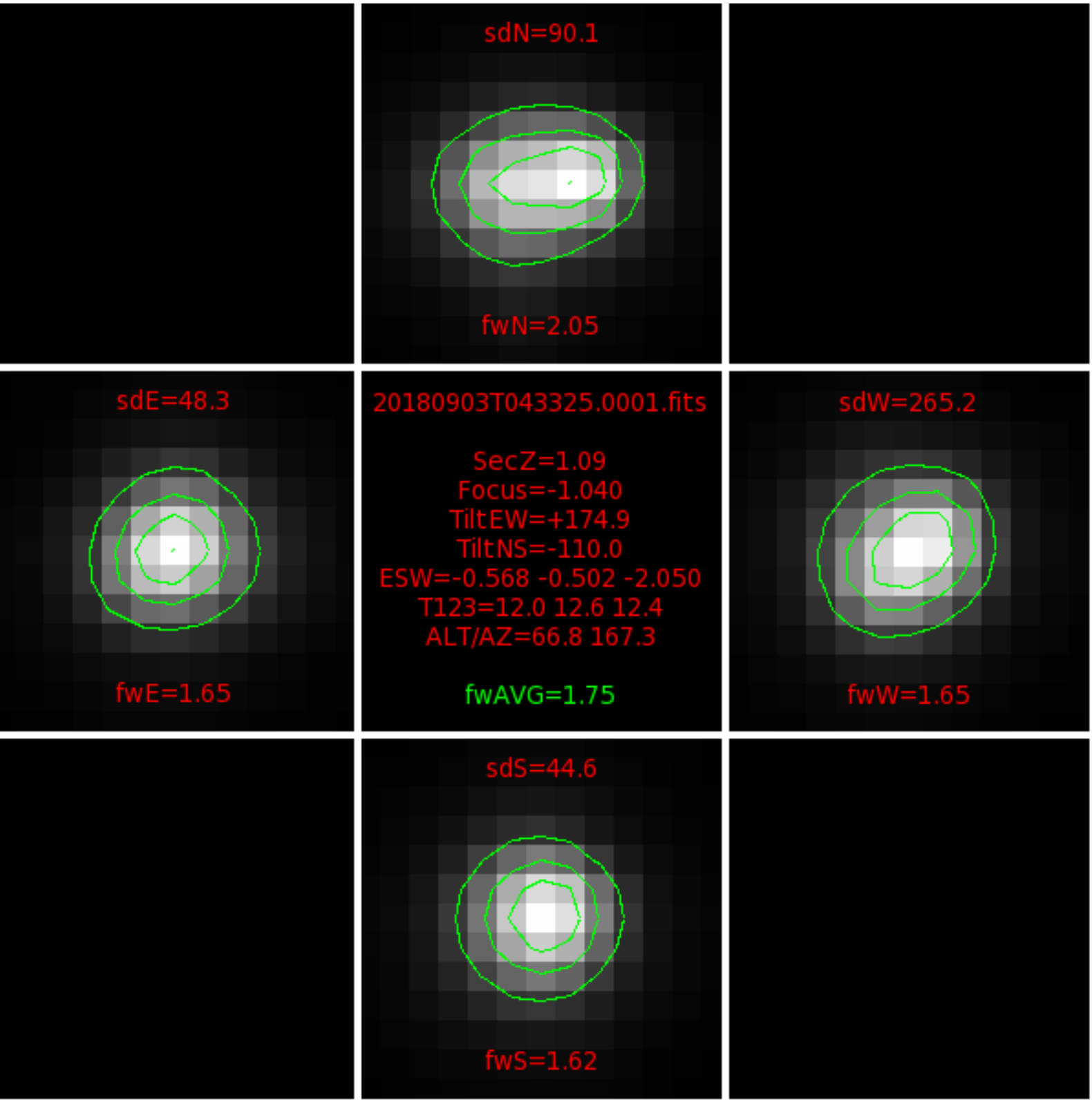
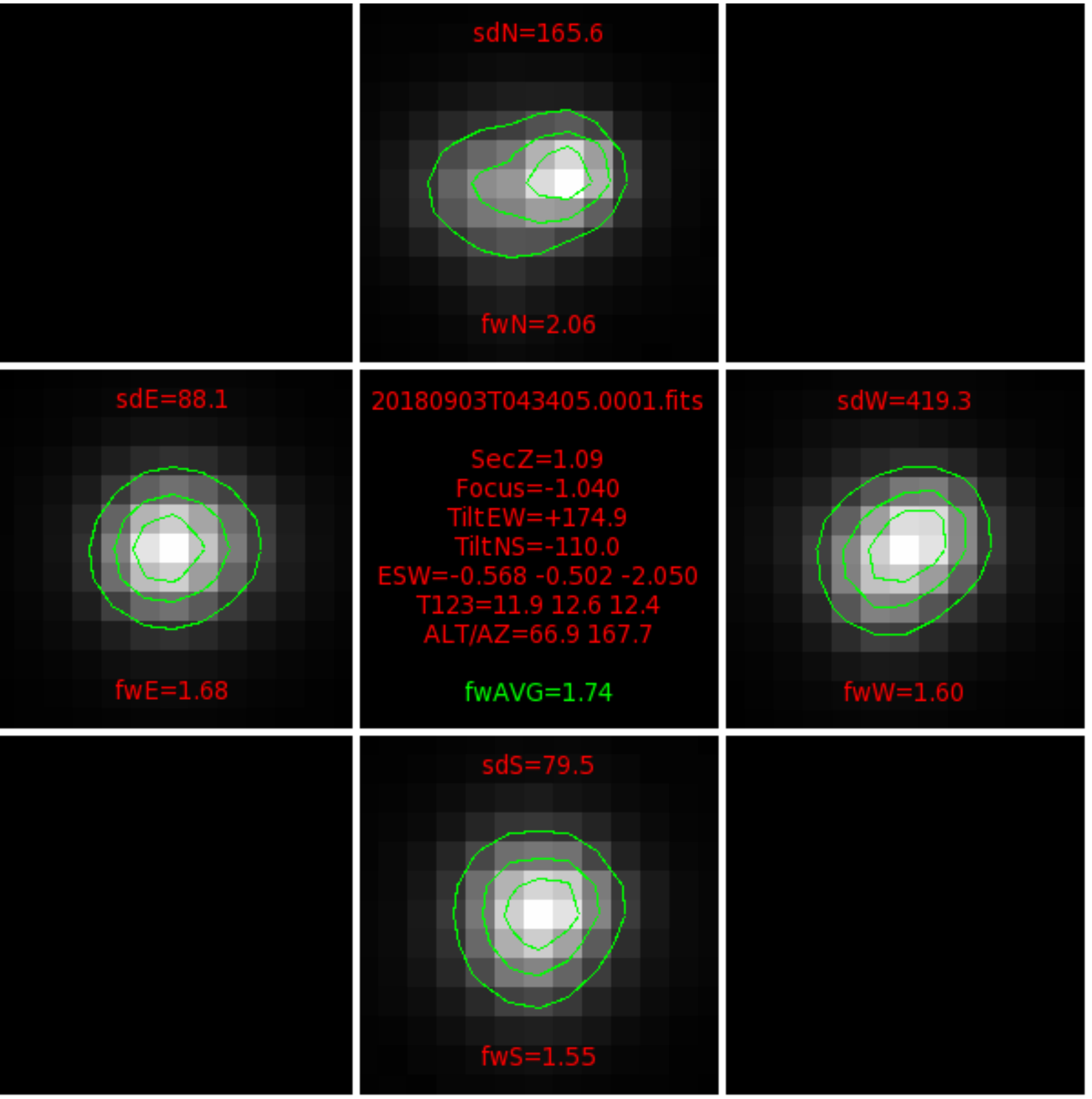

sdN=90.1
fwN=2.05
sdE=48.3
fwE=1.65
20180903T043325.0001.fits
SecZ=1.09
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=12.0 12.6 12.4
ALT/AZ=66.8 167.3
fwAVG=1.75
sdW=265.2
fwW=1.65
sdS=44.6
fwS=1.62
0 0 0 0 0 0 0 0 0


sdN=165.6
fwN=2.06
sdE=88.1
fwE=1.68
20180903T043405.0001.fits
SecZ=1.09
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=11.9 12.6 12.4
ALT/AZ=66.9 167.7
fwAVG=1.74
sdW=419.3
fwW=1.60
sdS=79.5
fwS=1.55
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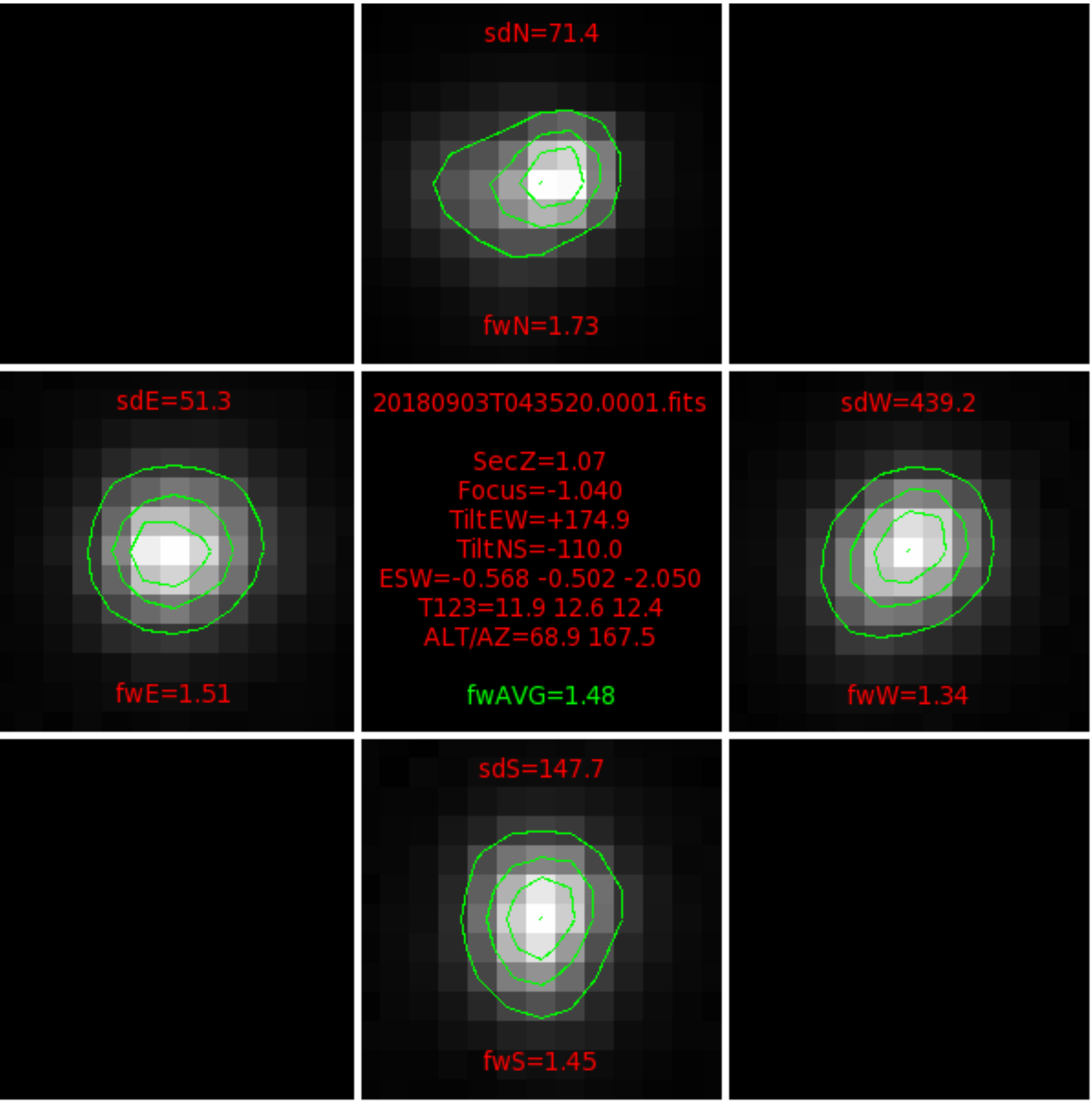
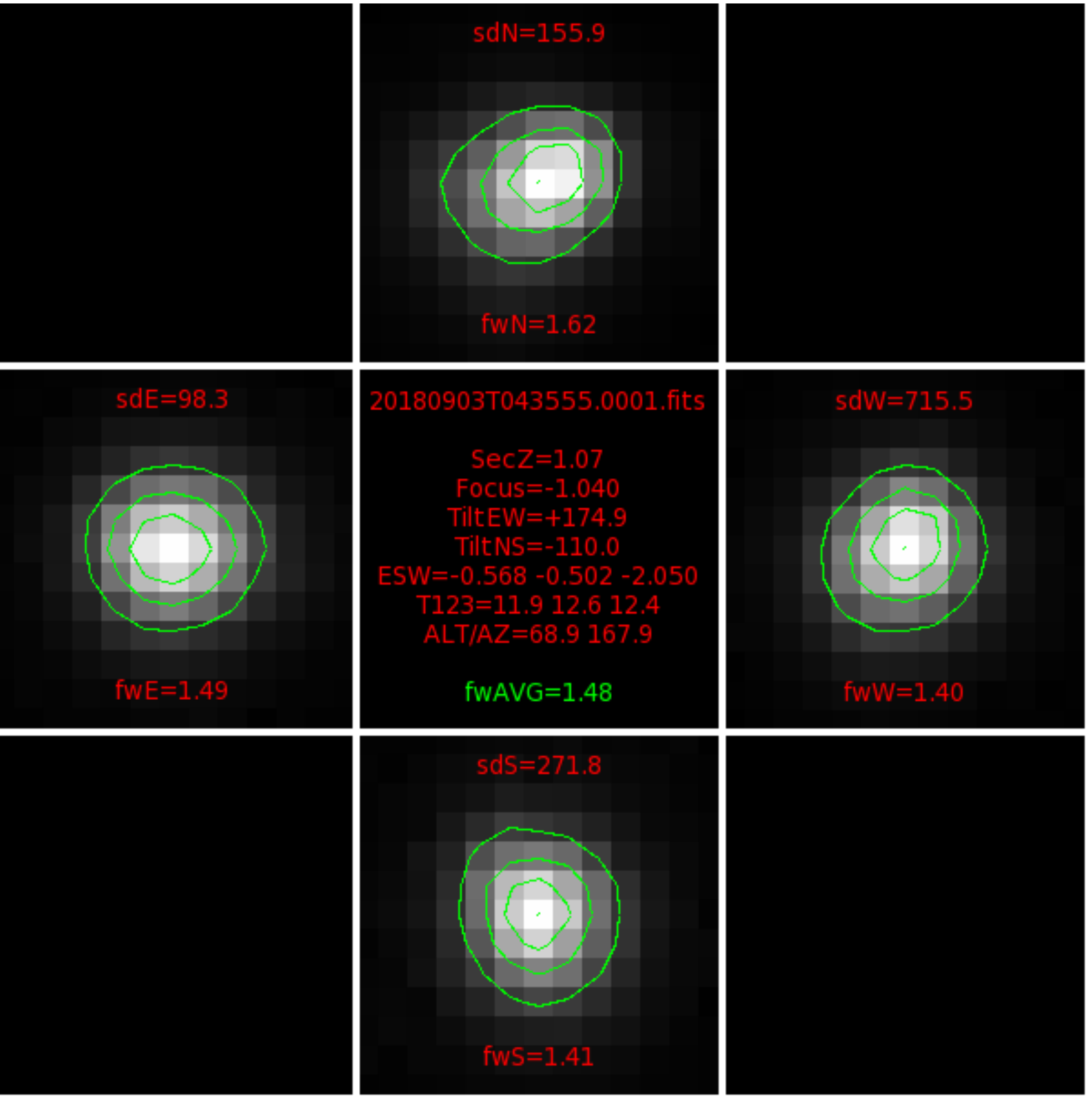

sdN=71.4
fwN=1.73
sdE=51.3
fwE=1.51
20180903T043520.0001.fits
SecZ=1.07
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=11.9 12.6 12.4
ALT/AZ=68.9 167.5
fwAVG=1.48
sdW=439.2
fwW=1.34
sdS=147.7
fwS=1.45
0 0 0 0 0 0 0 0 0


sdN=155.9
fwN=1.62
sdE=98.3
fwE=1.49
20180903T043555.0001.fits
SecZ=1.07
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=11.9 12.6 12.4
ALT/AZ=68.9 167.9
fwAVG=1.48
sdW=715.5
fwW=1.40
sdS=271.8
fwS=1.41
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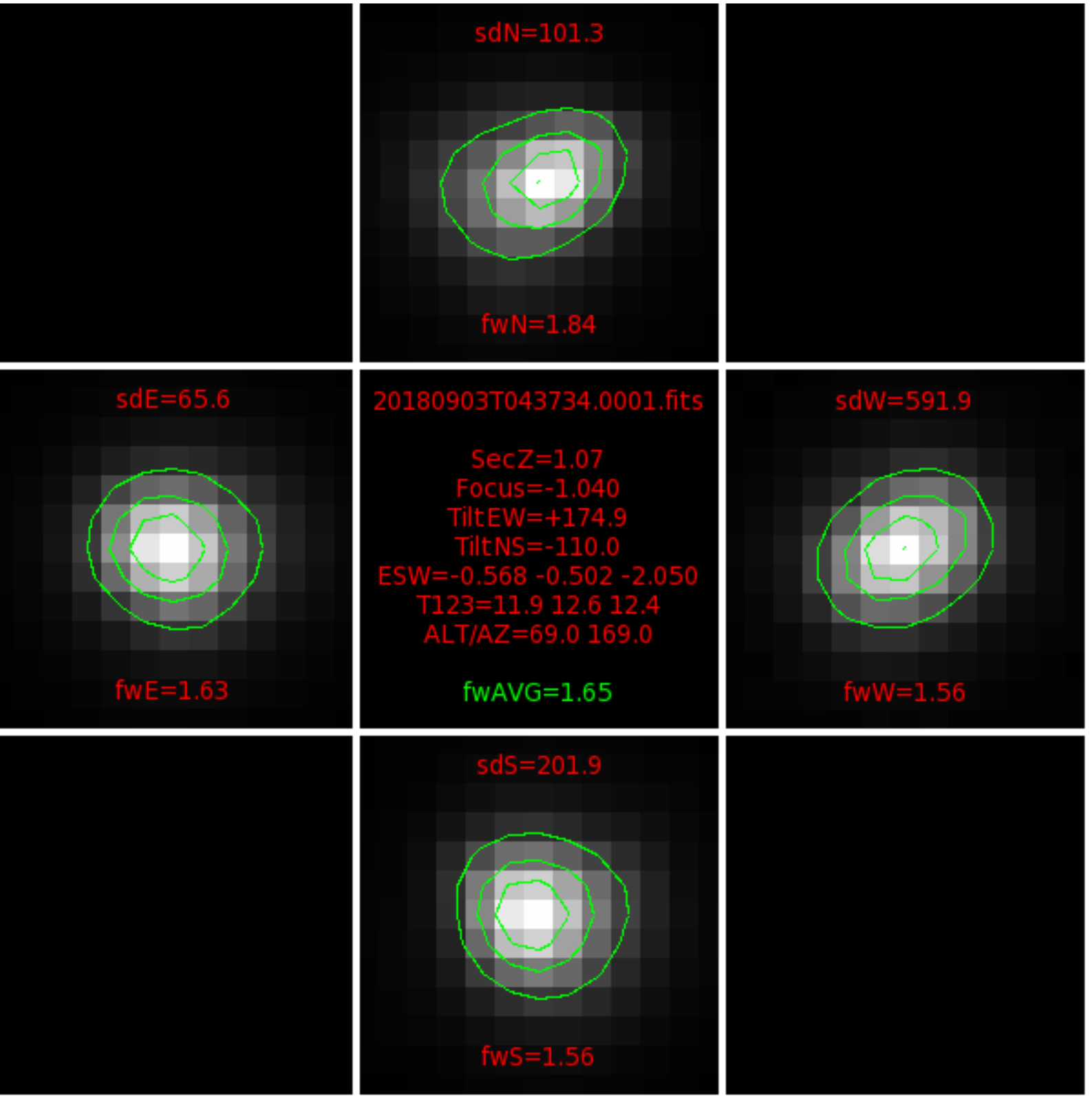
sdN=101.3
fwN=1.84
sdE=65.6
fwE=1.63
20180903T043734.0001.fits
SecZ=1.07
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=11.9 12.6 12.4
ALT/AZ=69.0 169.0
fwAVG=1.65
sdW=591.9
fwW=1.56
sdS=201.9
fwS=1.56
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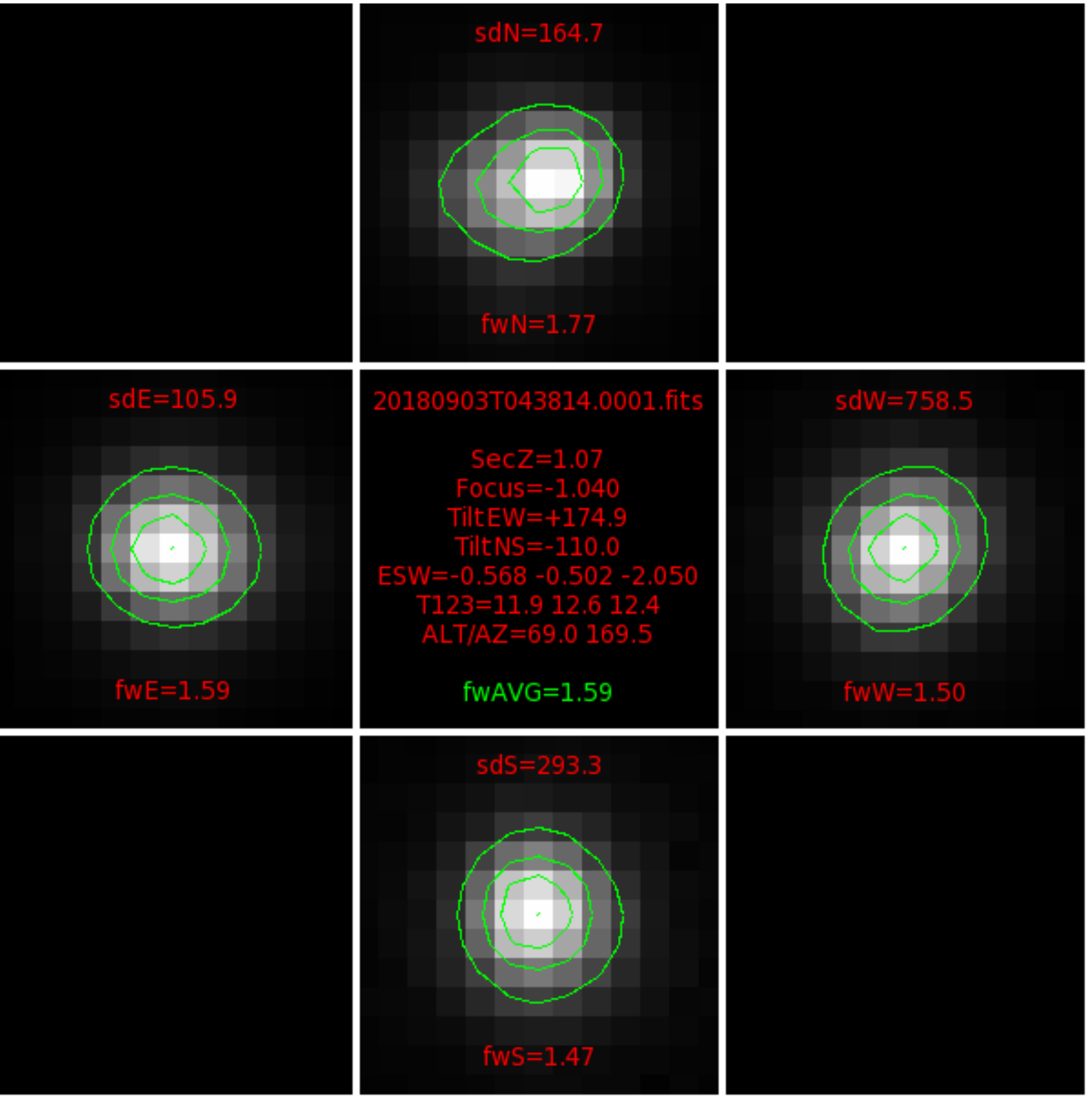
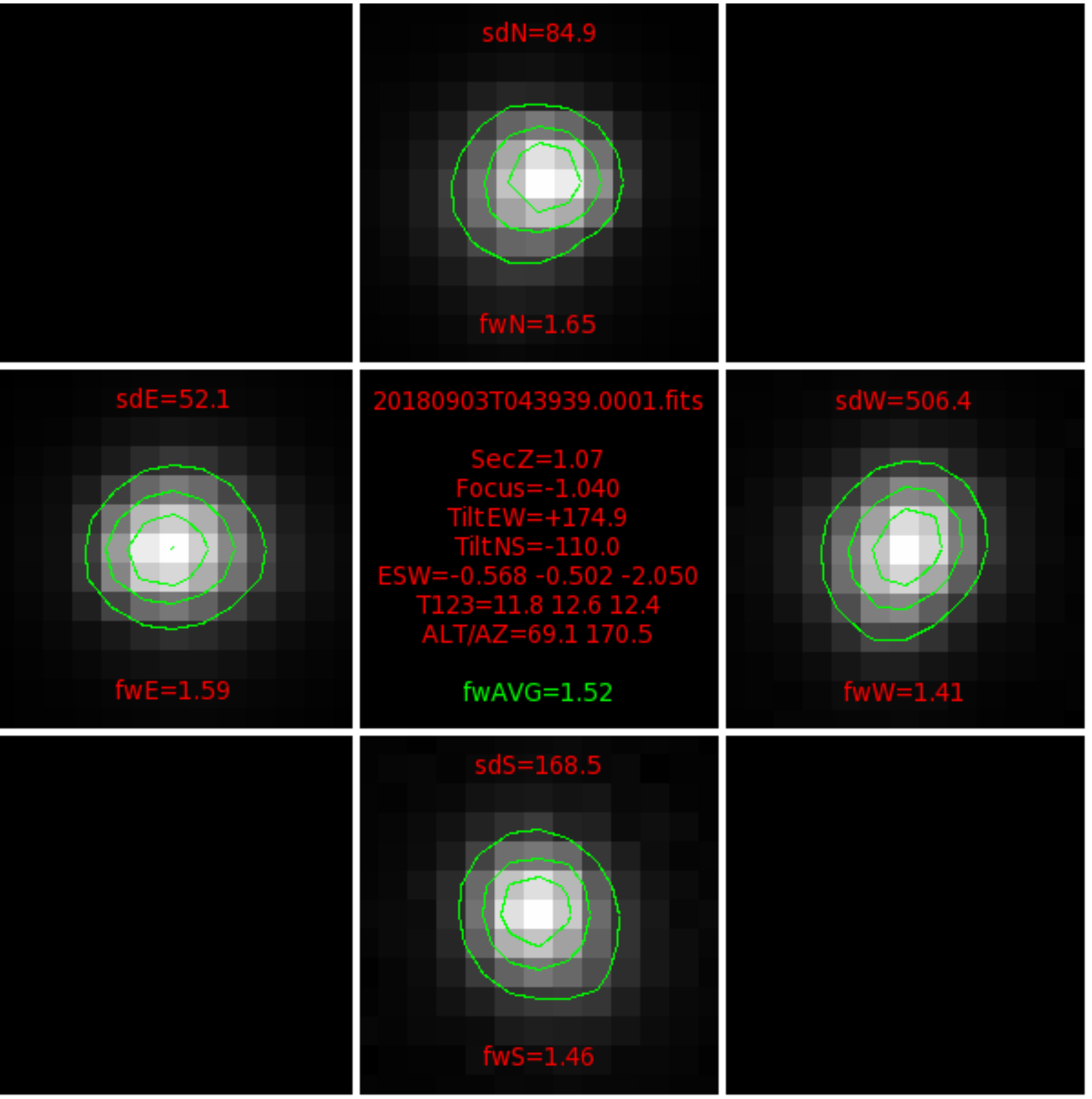

sdN=164.7
fwN=1.77
sdE=105.9
fwE=1.59
20180903T043814.0001.fits
SecZ=1.07
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=11.9 12.6 12.4
ALT/AZ=69.0 169.5
fwAVG=1.59
sdW=758.5
fwW=1.50
sdS=293.3
fwS=1.47
0 0 0 0 0 0 0 0 0


sdN=84.9
fwN=1.65
sdE=52.1
fwE=1.59
20180903T043939.0001.fits
SecZ=1.07
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=11.8 12.6 12.4
ALT/AZ=69.1 170.5
fwAVG=1.52
sdW=506.4
fwW=1.41
sdS=168.5
fwS=1.46
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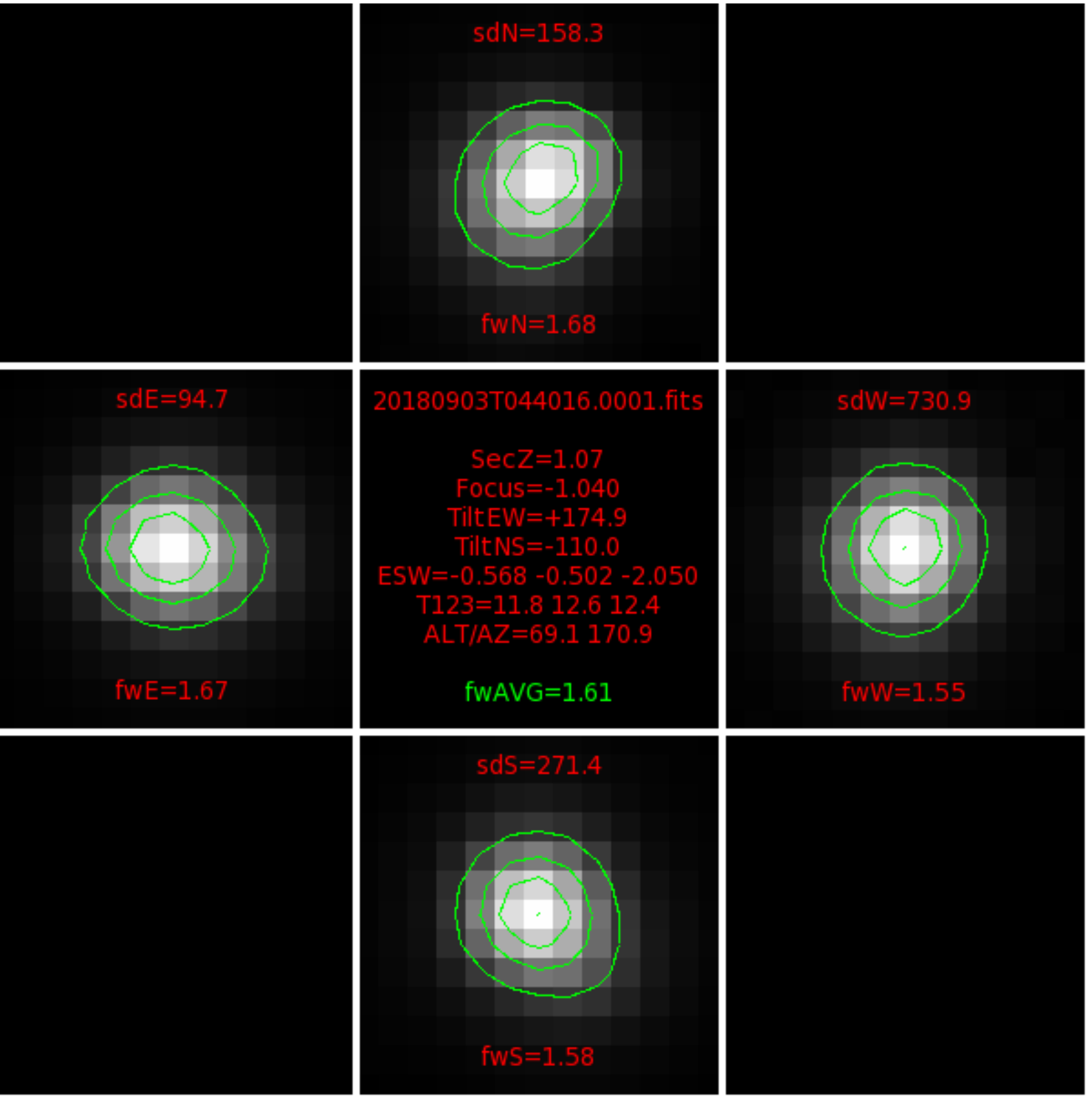
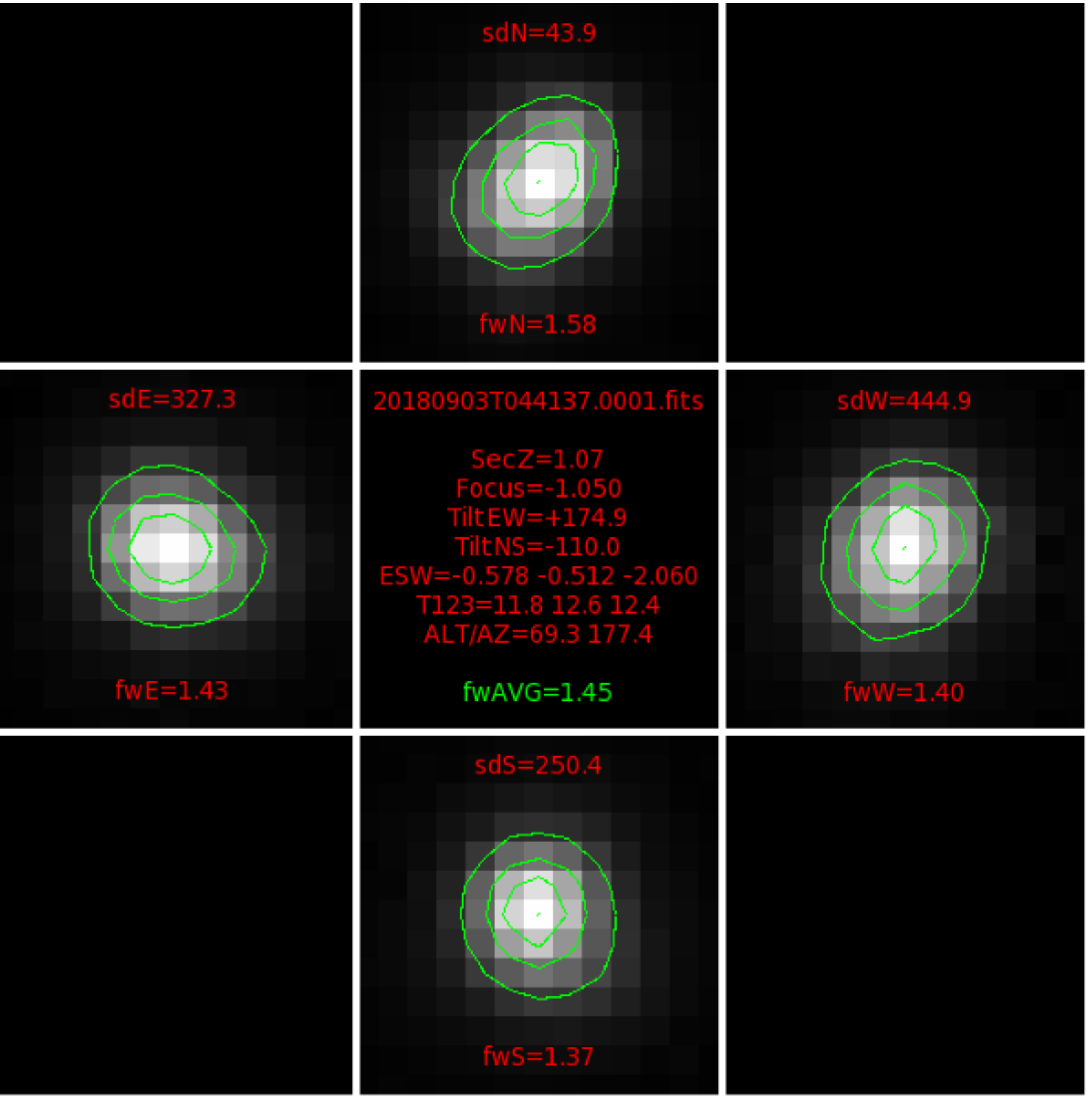

sdN=158.3
fwN=1.68
sdE=94.7
fwE=1.67
20180903T044016.0001.fits
SecZ=1.07
Focus=-1.040
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.568 -0.502 -2.050
T123=11.8 12.6 12.4
ALT/AZ=69.1 170.9
fwAVG=1.61
sdW=730.9
fwW=1.55
sdS=271.4
fwS=1.58
0 0 0 0 0 0 0 0 0


sdN=43.9
fwN=1.58
sdE=327.3
fwE=1.43
20180903T044137.0001.fits
SecZ=1.07
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.8 12.6 12.4
ALT/AZ=69.3 177.4
fwAVG=1.45
sdW=444.9
fwW=1.40
sdS=250.4
fwS=1.37
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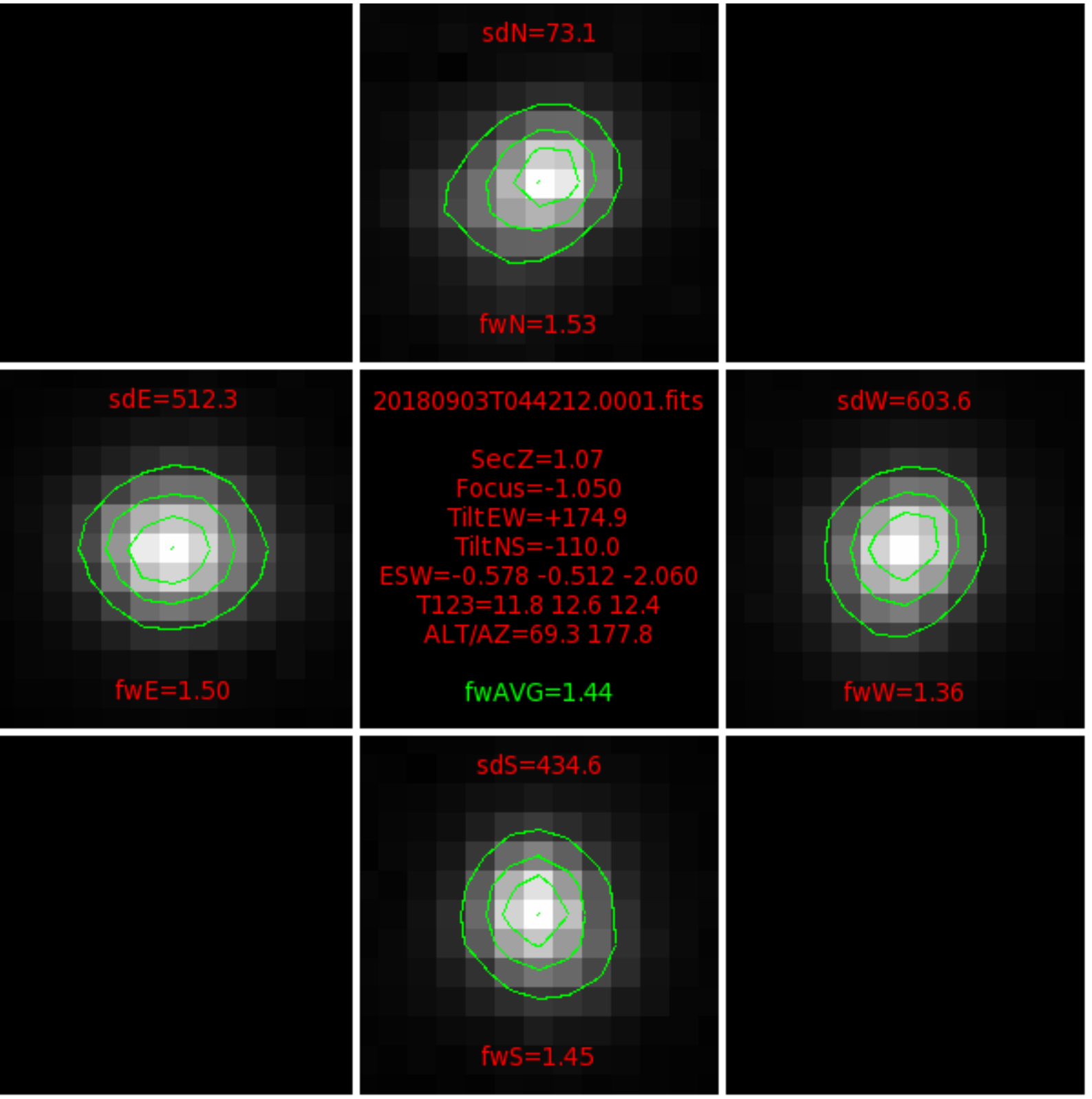
sdN=73.1
fwN=1.53
sdE=512.3
fwE=1.50
20180903T044212.0001.fits
SecZ=1.07
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.8 12.6 12.4
ALT/AZ=69.3 177.8
fwAVG=1.44
sdW=603.6
fwW=1.36
sdS=434.6
fwS=1.45
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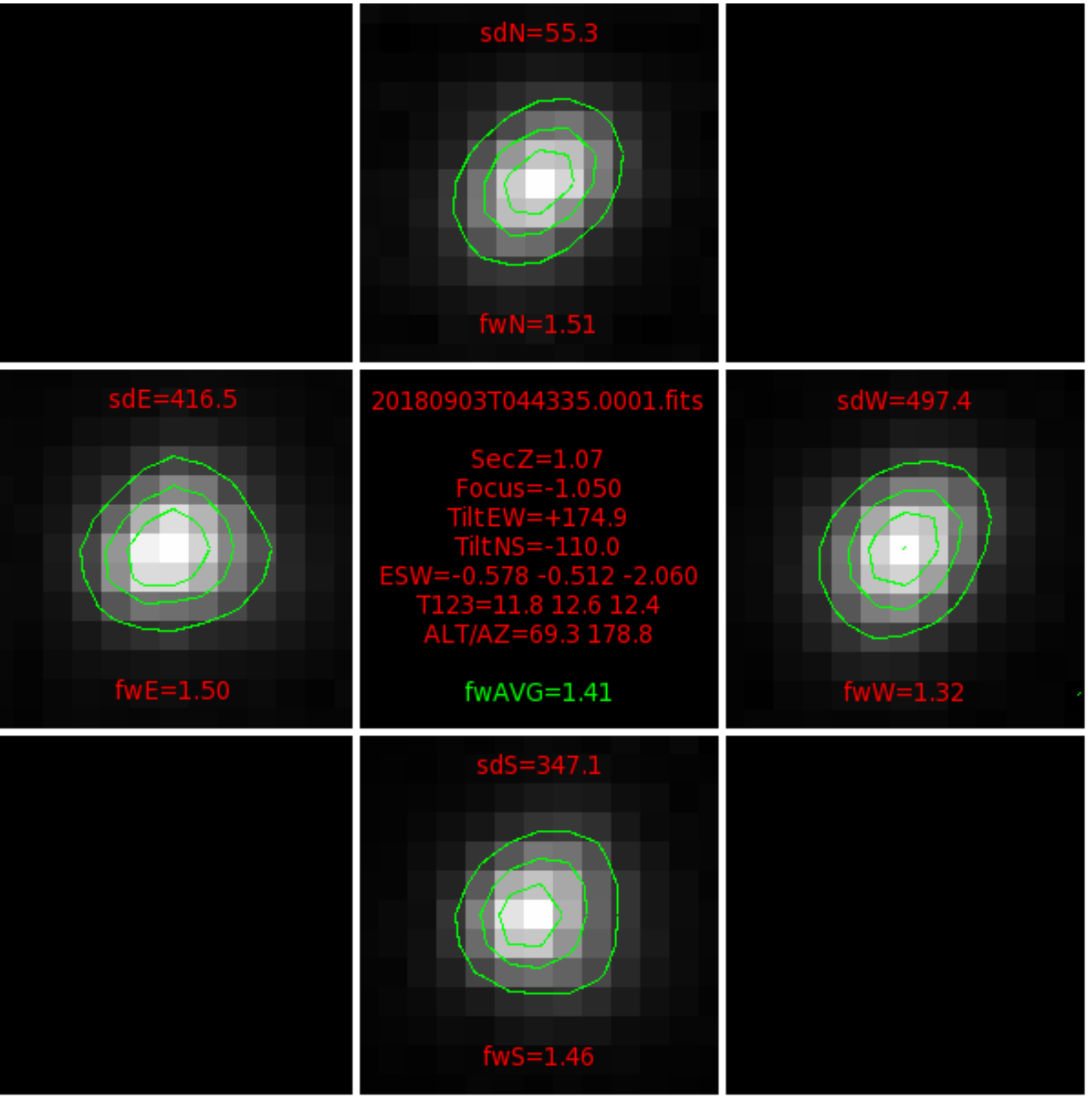
sdN=55.3
fwN=1.51
sdE=416.5
fwE=1.50
20180903T044335.0001.fits
SecZ=1.07
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.8 12.6 12.4
ALT/AZ=69.3 178.8
fwAVG=1.41
sdW=497.4
fwW=1.32
sdS=347.1
fwS=1.46
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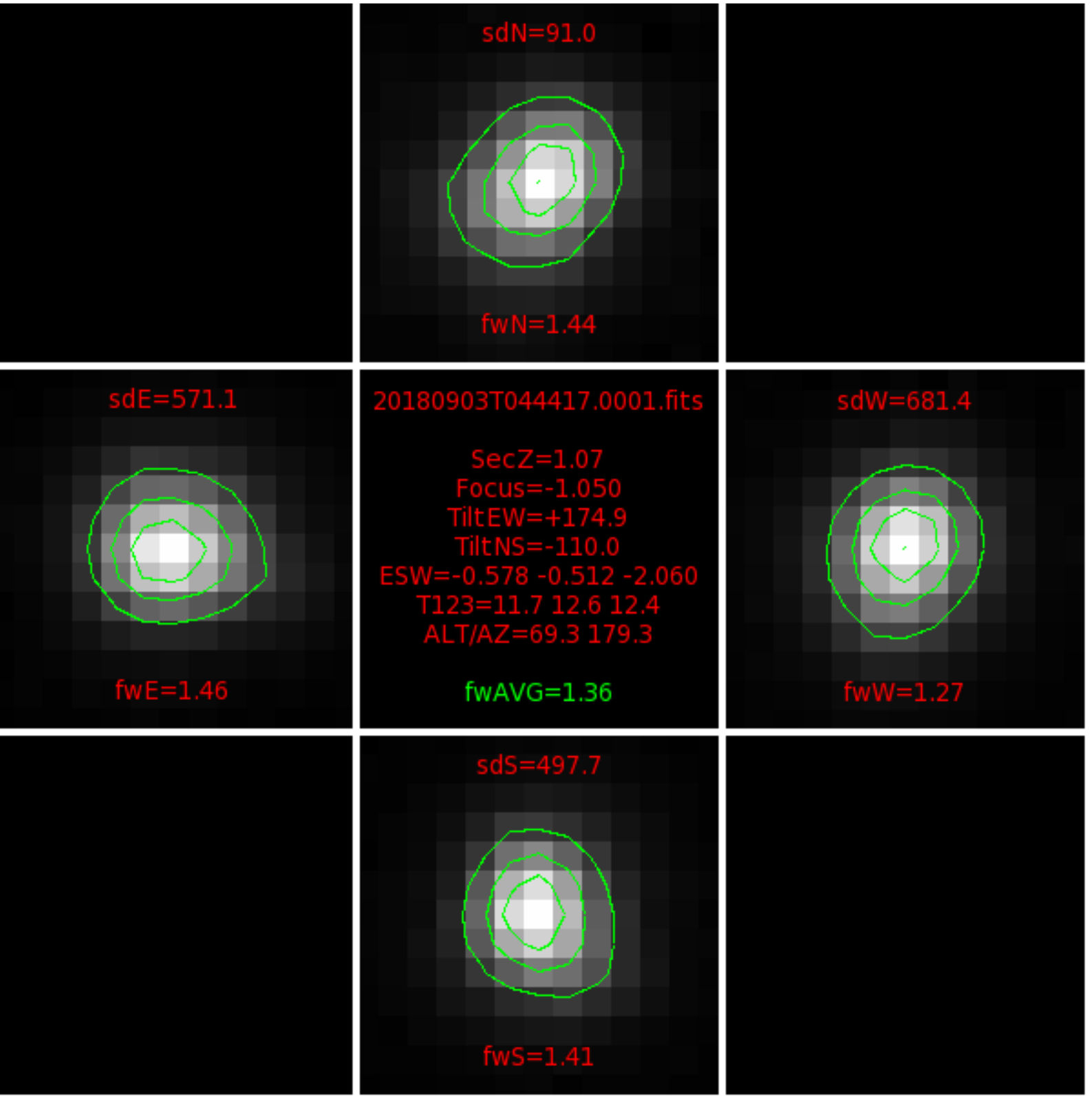
sdN=91.0
fwN=1.44
sdE=571.1
fwE=1.46
20180903T044417.0001.fits
SecZ=1.07
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.7 12.6 12.4
ALT/AZ=69.3 179.3
fwAVG=1.36
sdW=681.4
fwW=1.27
sdS=497.7
fwS=1.41
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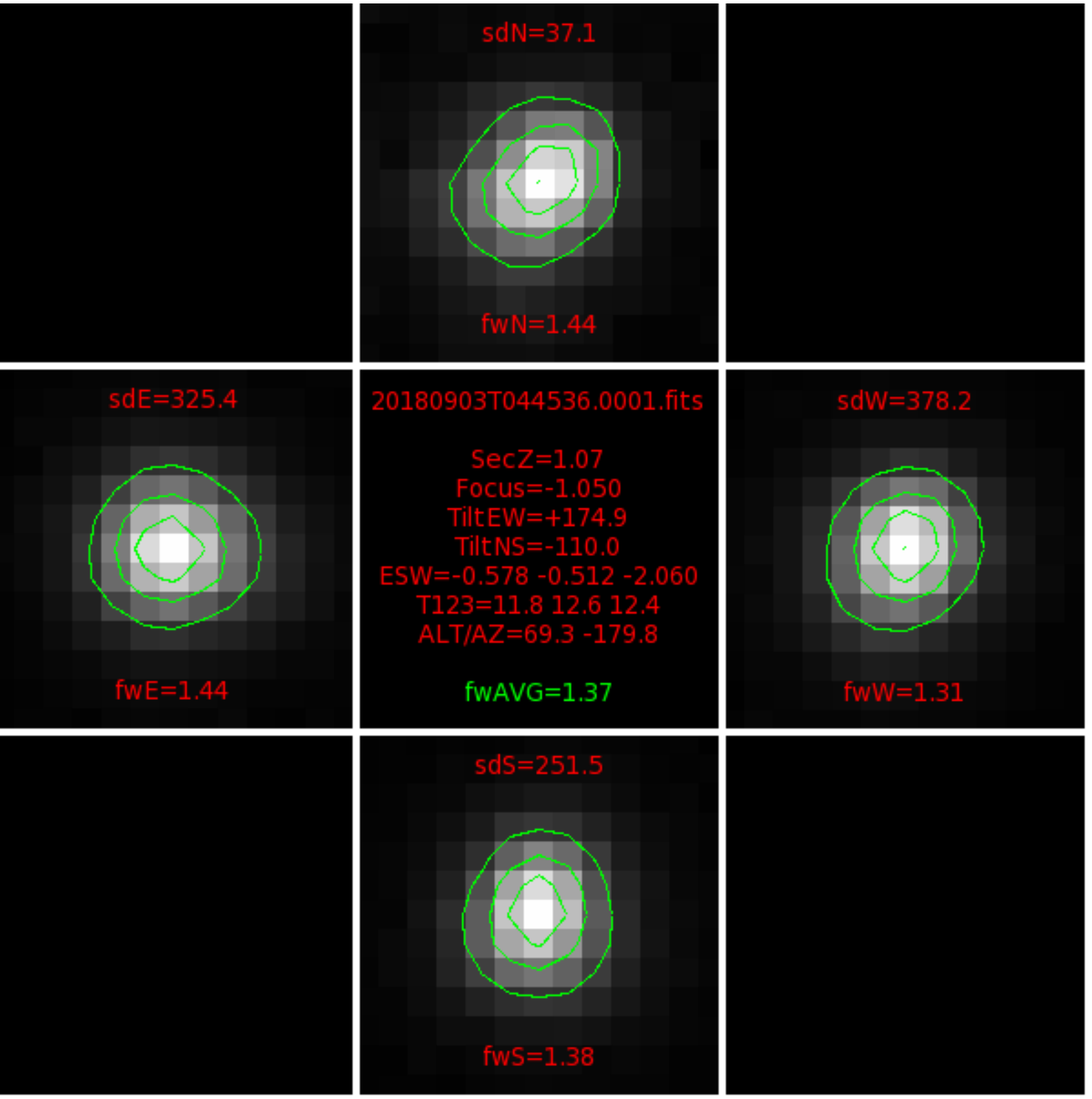
sdN=37.1
fwN=1.44
sdE=325.4
fwE=1.44
20180903T044536.0001.fits
SecZ=1.07
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.8 12.6 12.4
ALT/AZ=69.3 -179.8
fwAVG=1.37
sdW=378.2
fwW=1.31
sdS=251.5
fwS=1.38
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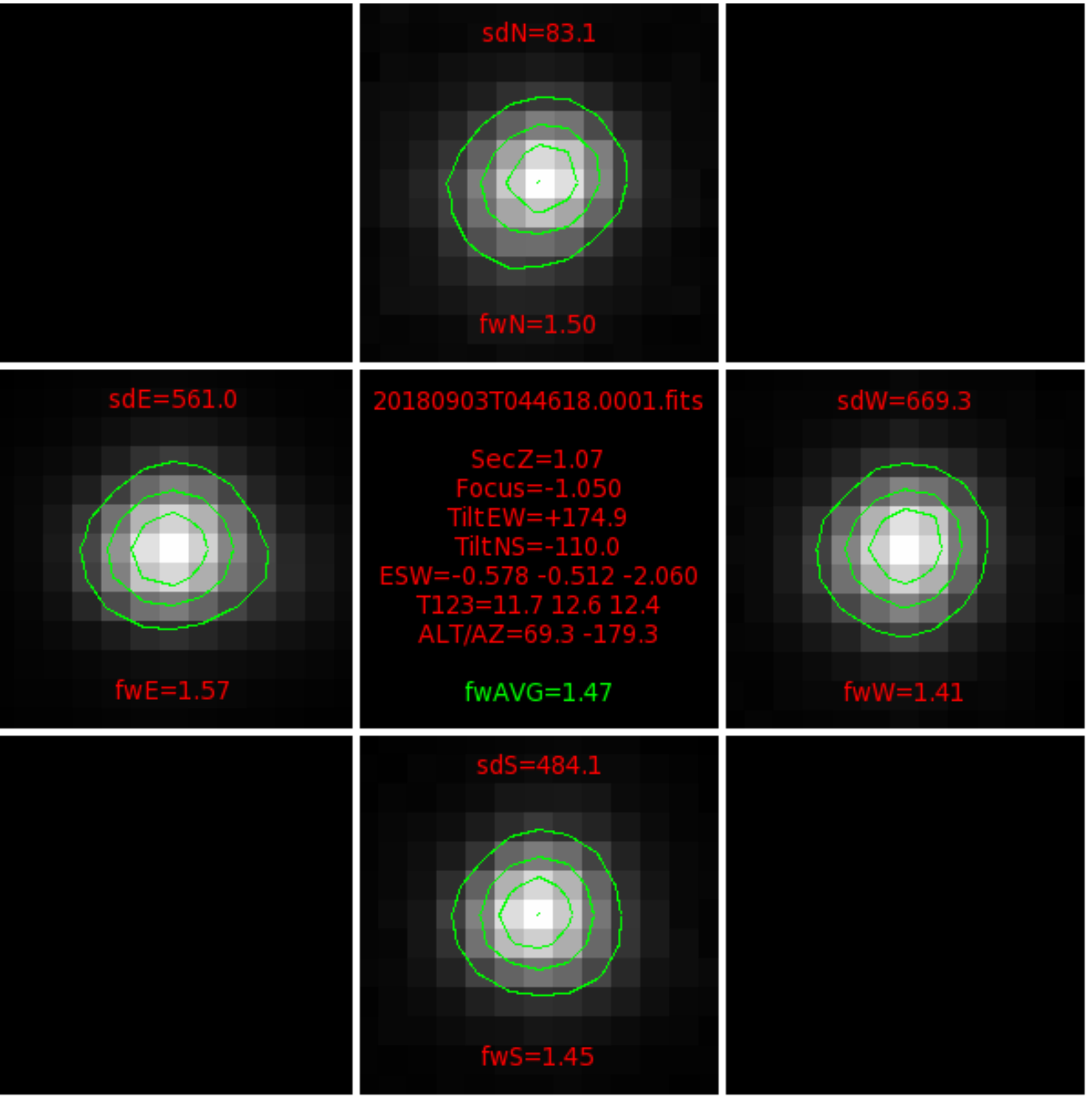
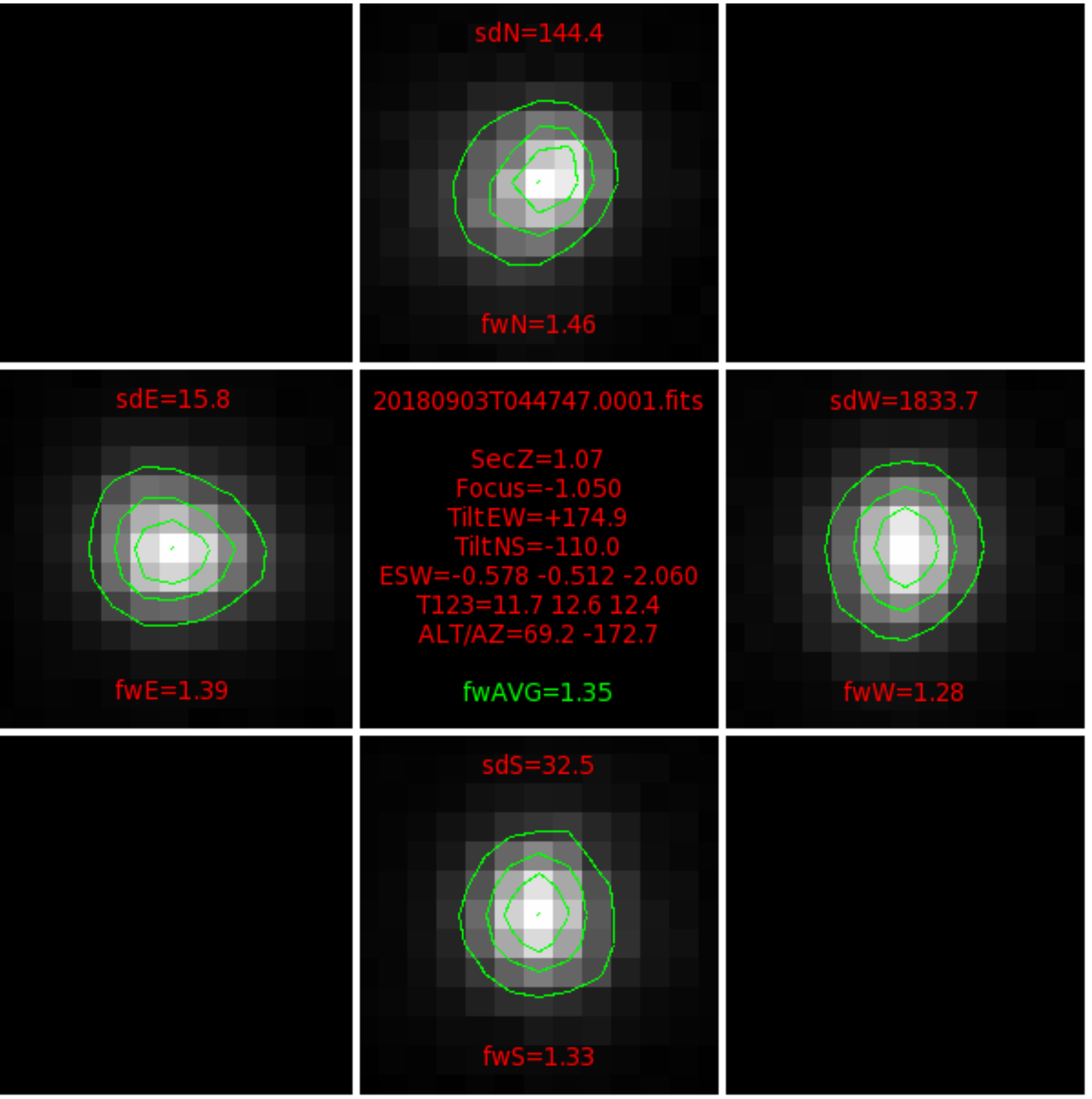

sdN=83.1
fwN=1.50
sdE=561.0
fwE=1.57
20180903T044618.0001.fits
SecZ=1.07
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.7 12.6 12.4
ALT/AZ=69.3 -179.3
fwAVG=1.47
sdW=669.3
fwW=1.41
sdS=484.1
fwS=1.45
0 0 0 0 0 0 0 0 0


sdN=144.4
fwN=1.46
sdE=15.8
fwE=1.39
20180903T044747.0001.fits
SecZ=1.07
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.7 12.6 12.4
ALT/AZ=69.2 -172.7
fwAVG=1.35
sdW=1833.7
fwW=1.28
sdS=32.5
fwS=1.33
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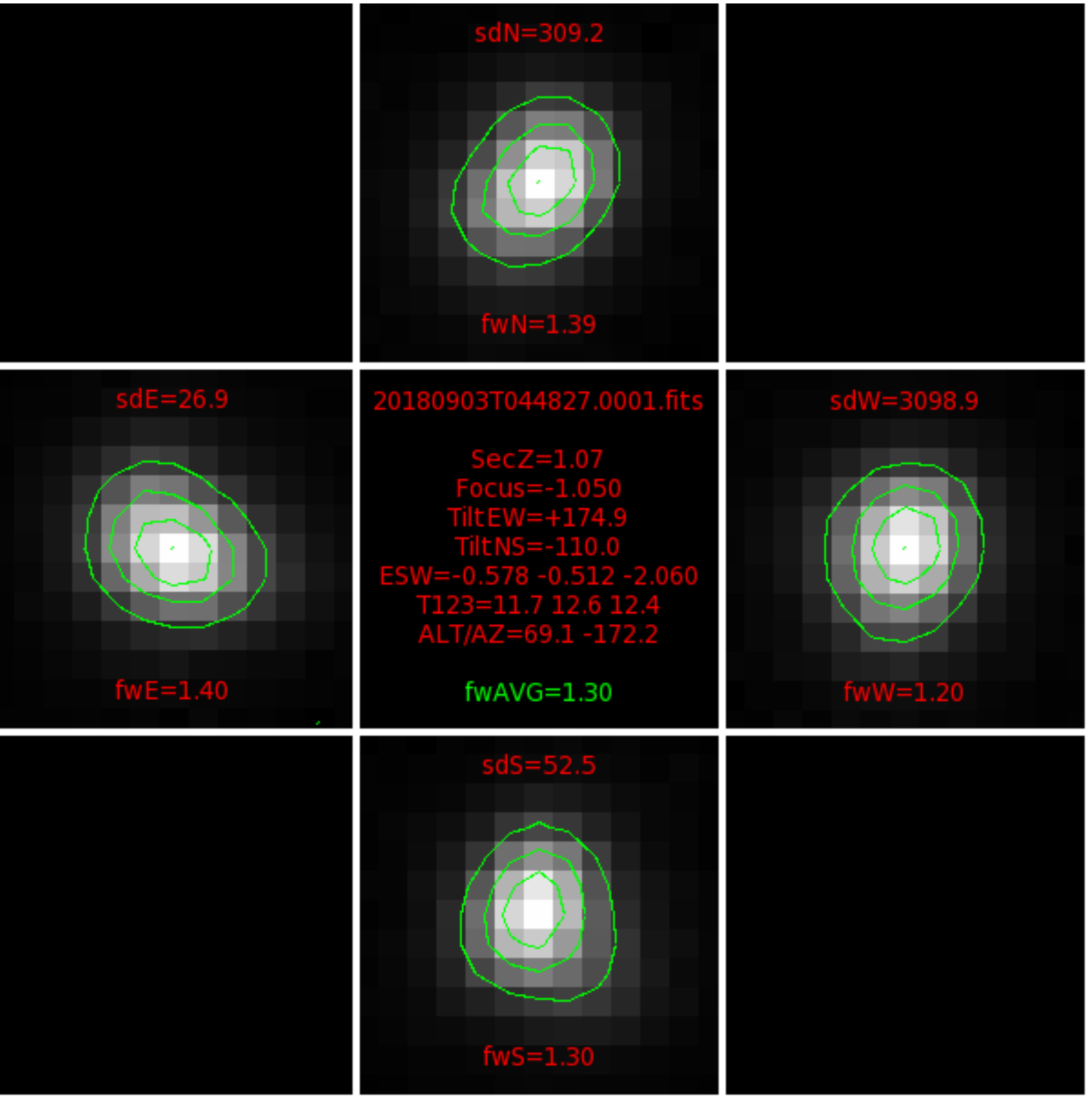
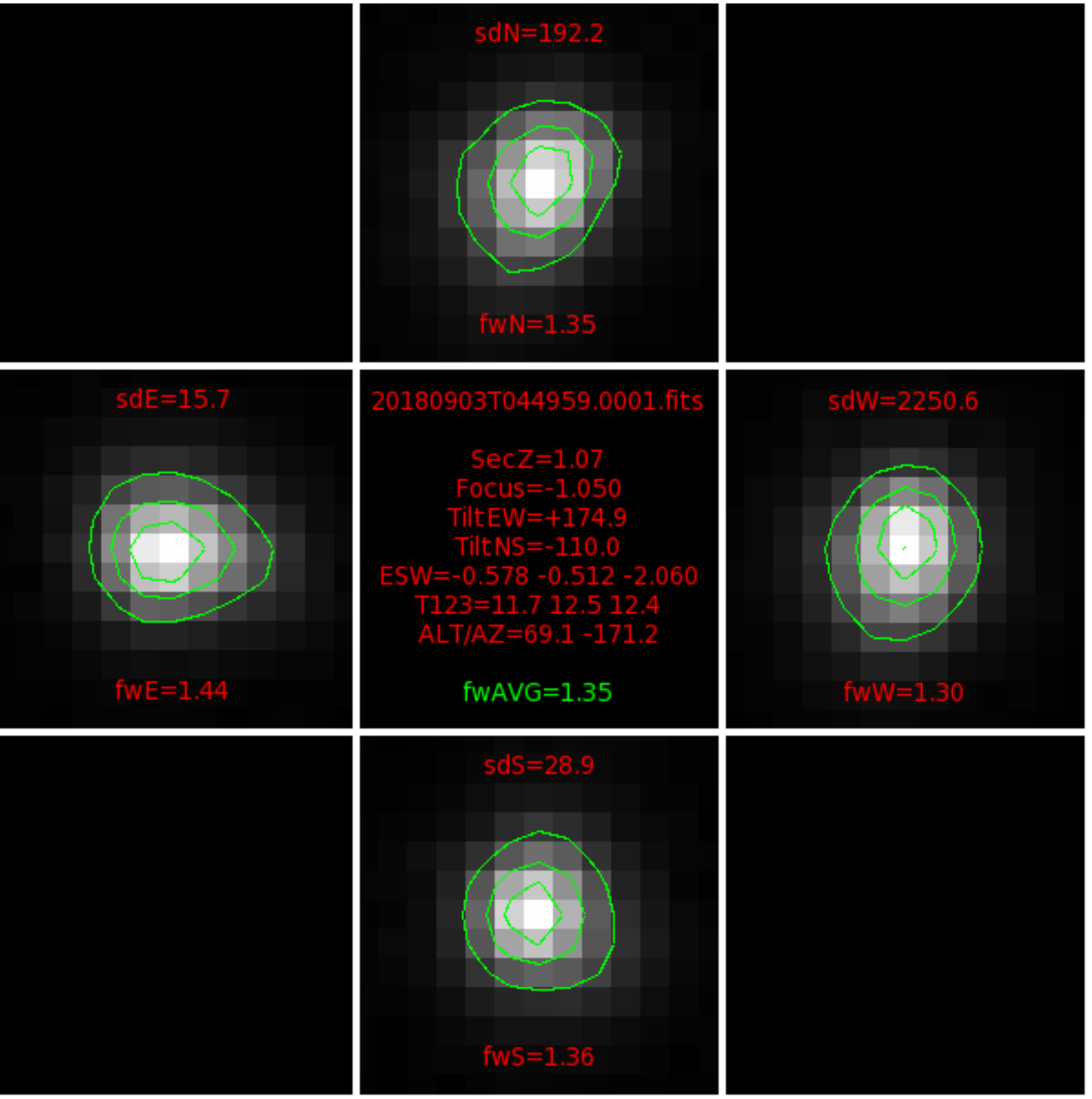

sdN=309.2
fwN=1.39
sdE=26.9
fwE=1.40
20180903T044827.0001.fits
SecZ=1.07
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.7 12.6 12.4
ALT/AZ=69.1 -172.2
fwAVG=1.30
sdW=3098.9
fwW=1.20
sdS=52.5
fwS=1.30
0 0 0 0 0 0 0 0 0


sdN=192.2
fwN=1.35
sdE=15.7
fwE=1.44
20180903T044959.0001.fits
SecZ=1.07
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.7 12.5 12.4
ALT/AZ=69.1 -171.2
fwAVG=1.35
sdW=2250.6
fwW=1.30
sdS=28.9
fwS=1.36
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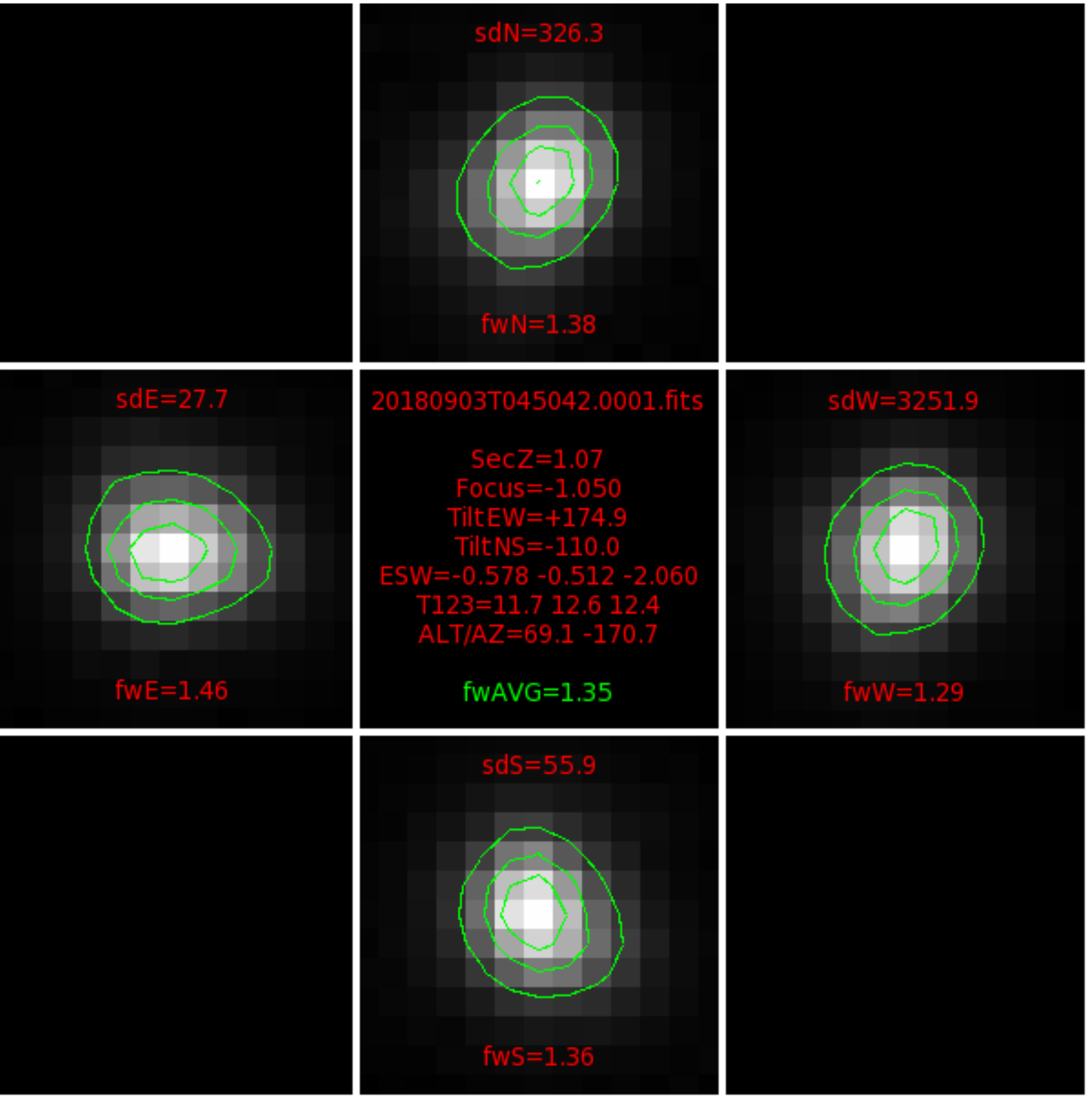
sdN=326.3
fwN=1.38
sdE=27.7
fwE=1.46
20180903T045042.0001.fits
SecZ=1.07
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.7 12.6 12.4
ALT/AZ=69.1 -170.7
fwAVG=1.35
sdW=3251.9
fwW=1.29
sdS=55.9
fwS=1.36
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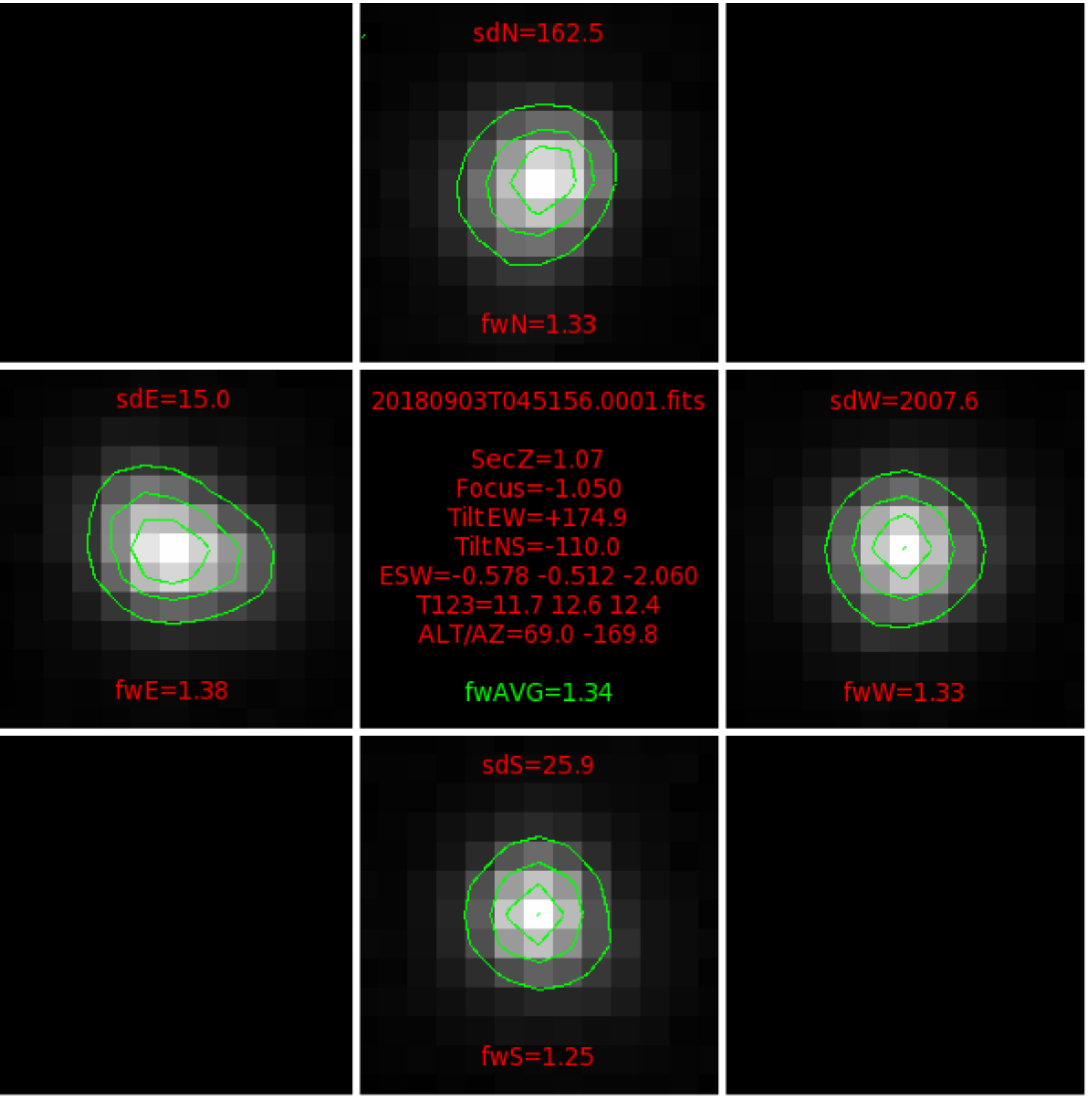
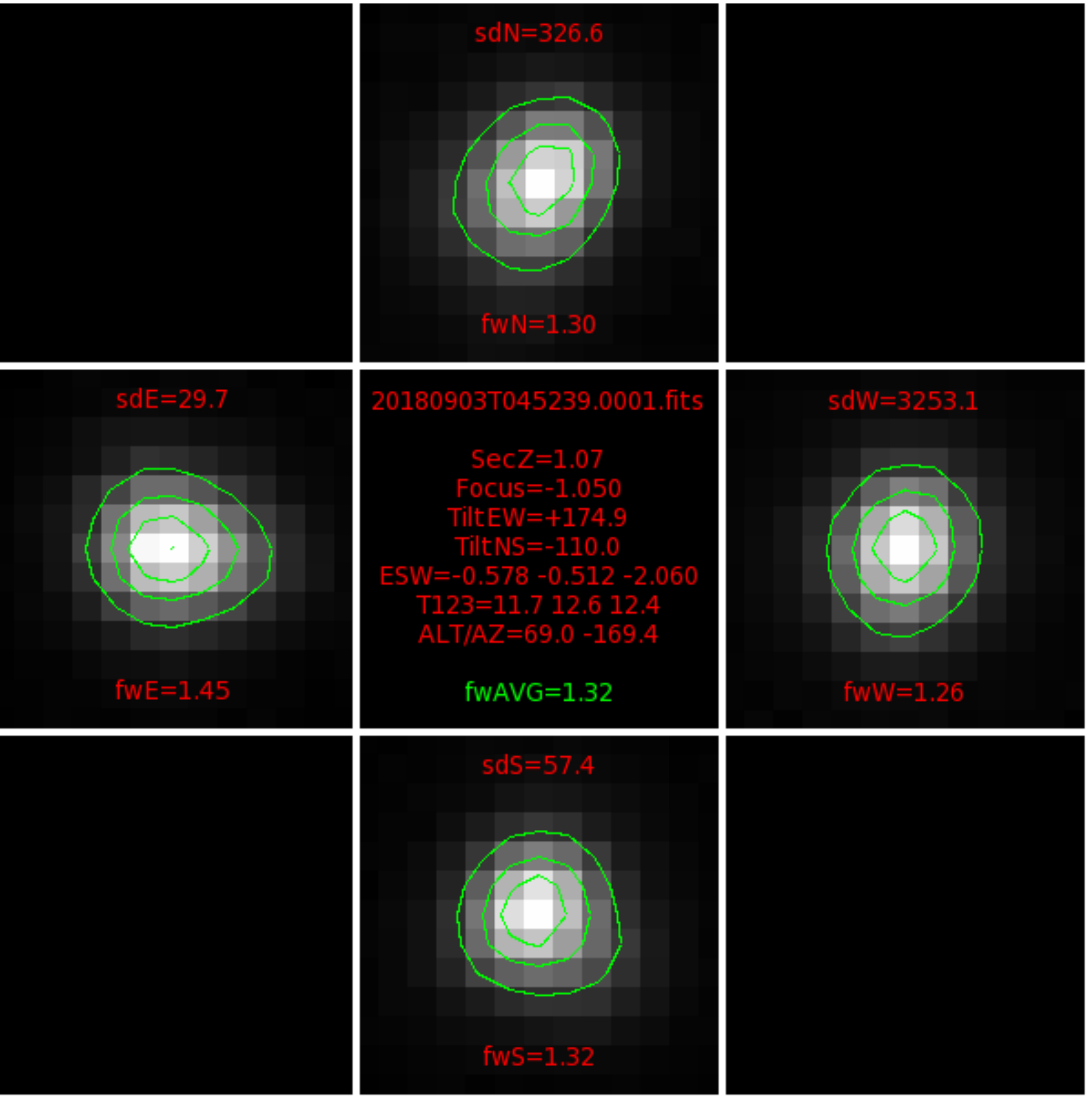

sdN=162.5
fwN=1.33
sdE=15.0
fwE=1.38
20180903T045156.0001.fits
SecZ=1.07
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.7 12.6 12.4
ALT/AZ=69.0 -169.8
fwAVG=1.34
sdW=2007.6
fwW=1.33
sdS=25.9
fwS=1.25
0 0 0 0 0 0 0 0 0


sdN=326.6
fwN=1.30
sdE=29.7
fwE=1.45
20180903T045239.0001.fits
SecZ=1.07
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.7 12.6 12.4
ALT/AZ=69.0 -169.4
fwAVG=1.32
sdW=3253.1
fwW=1.26
sdS=57.4
fwS=1.32
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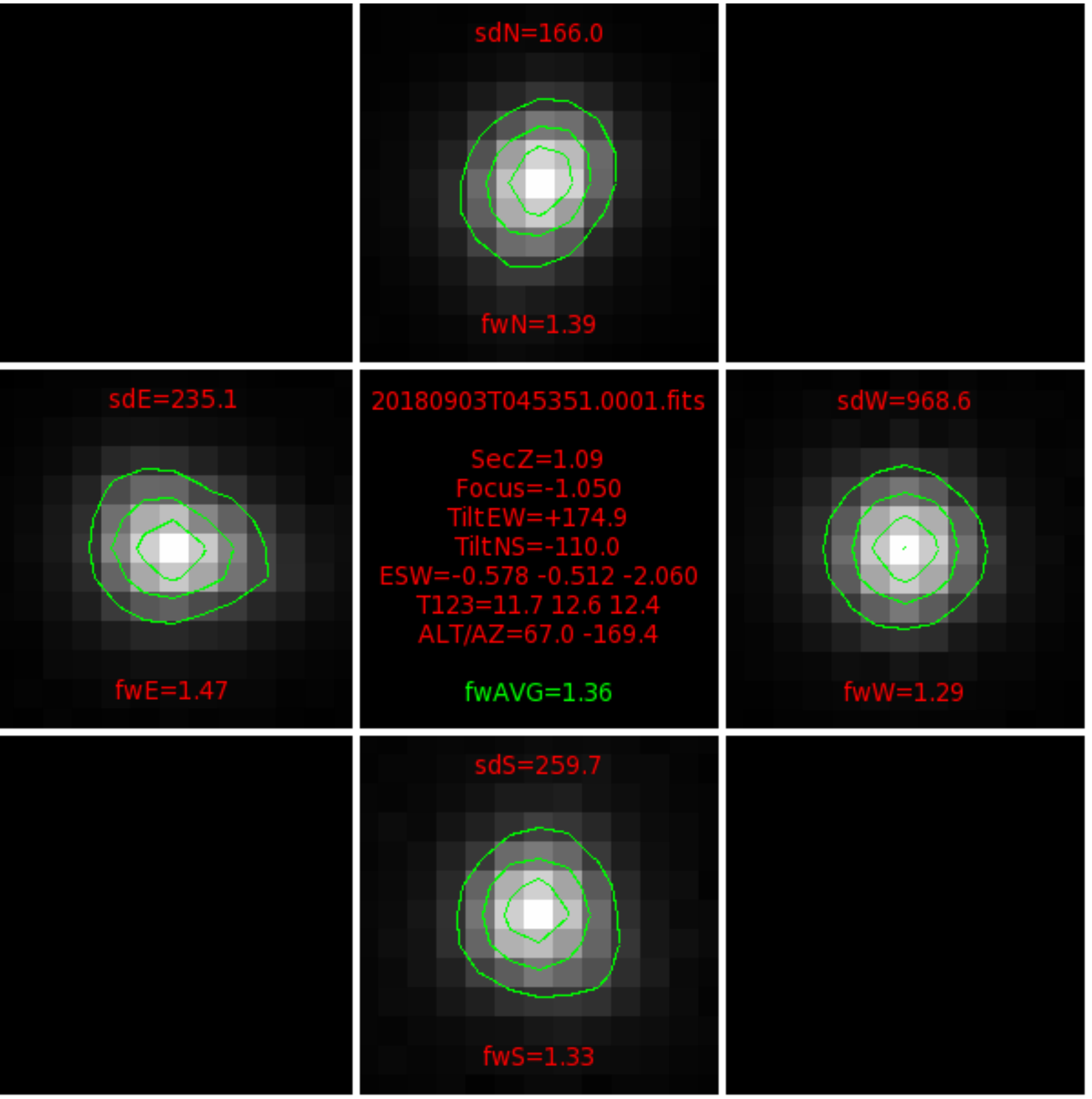
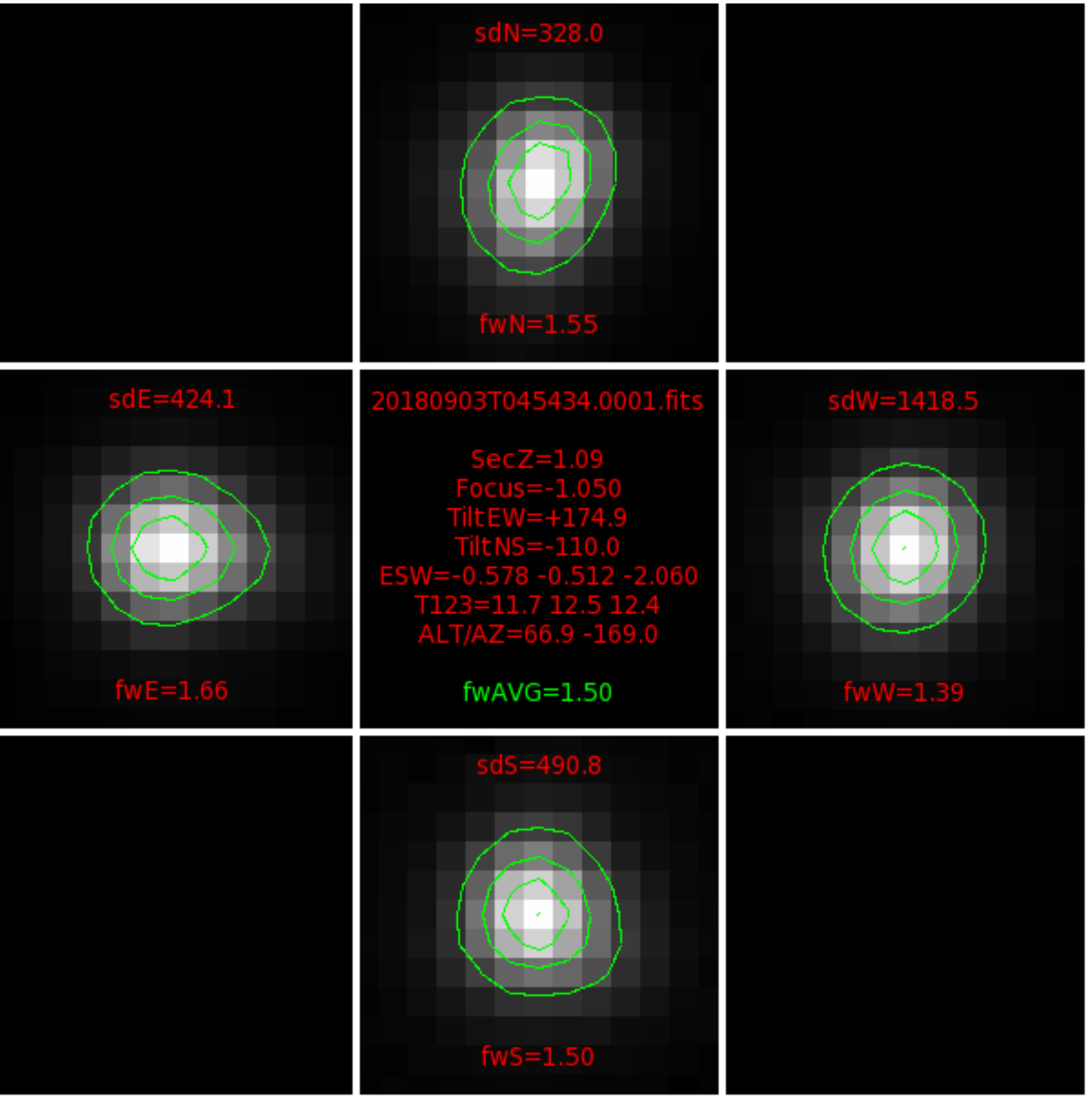

sdN=166.0
fwN=1.39
sdE=235.1
fwE=1.47
20180903T045351.0001.fits
SecZ=1.09
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.7 12.6 12.4
ALT/AZ=67.0 -169.4
fwAVG=1.36
sdW=968.6
fwW=1.29
sdS=259.7
fwS=1.33
0 0 0 0 0 0 0 0 0


sdN=328.0
fwN=1.55
sdE=424.1
fwE=1.66
20180903T045434.0001.fits
SecZ=1.09
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.7 12.5 12.4
ALT/AZ=66.9 -169.0
fwAVG=1.50
sdW=1418.5
fwW=1.39
sdS=490.8
fwS=1.50
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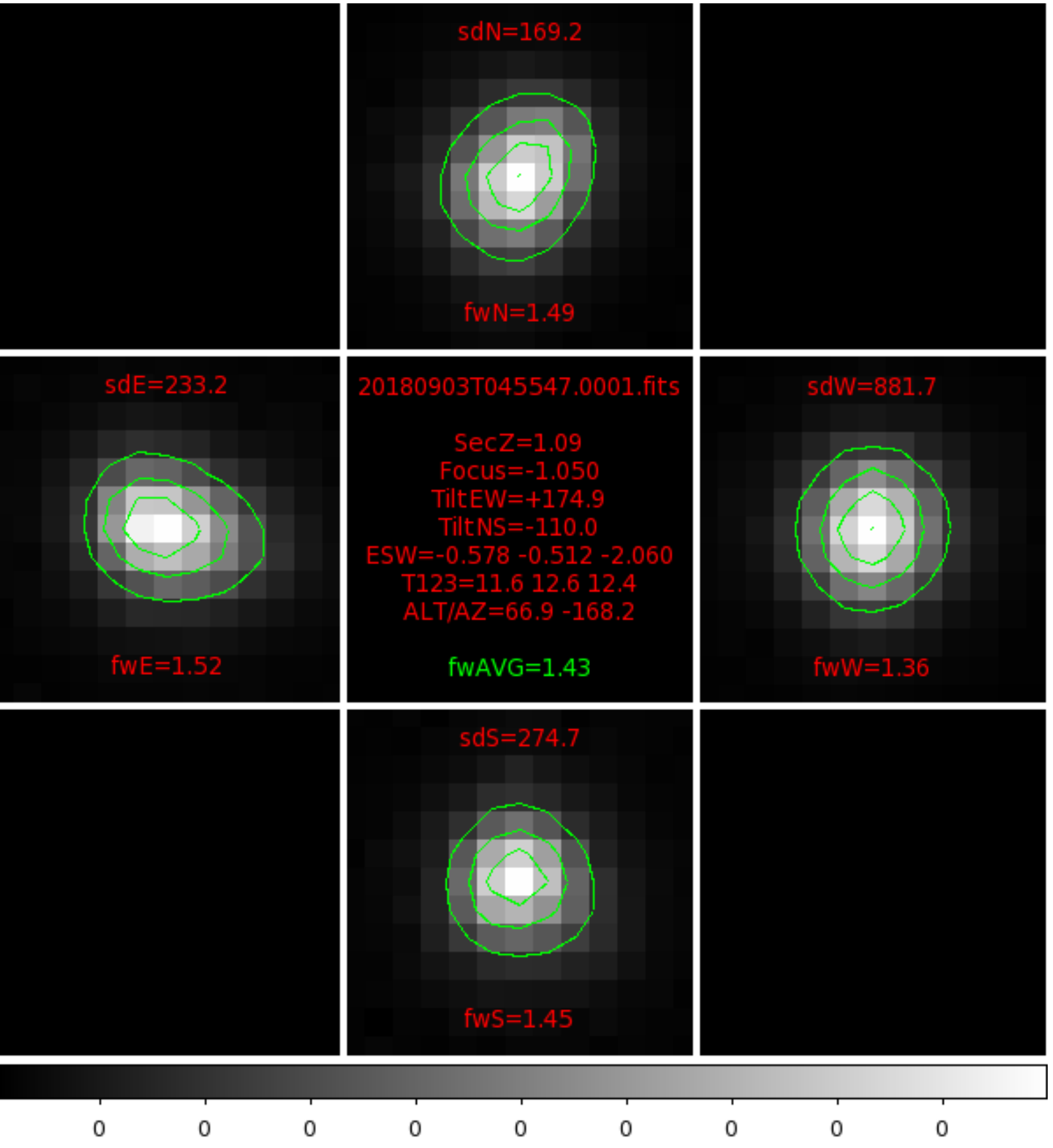
sdN=169.2
fwN=1.49
sdE=233.2
fwE=1.52
20180903T045547.0001.fits
SecZ=1.09
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.6 12.4
ALT/AZ=66.9 -168.2
fwAVG=1.43
sdW=881.7
fwW=1.36
sdS=274.7
fwS=1.45
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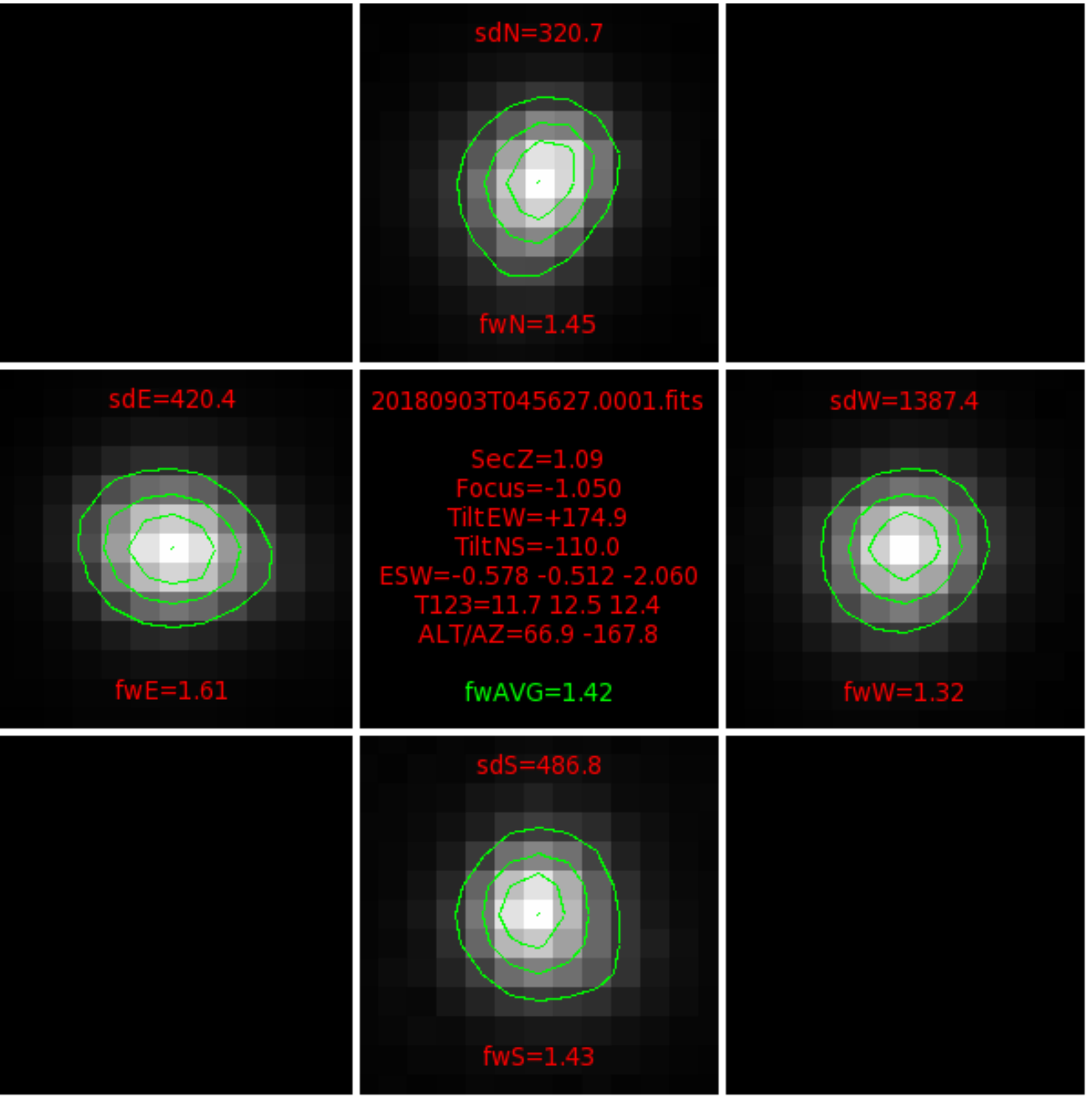
sdN=320.7
fwN=1.45
sdE=420.4
fwE=1.61
20180903T045627.0001.fits
SecZ=1.09
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.7 12.5 12.4
ALT/AZ=66.9 -167.8
fwAVG=1.42
sdW=1387.4
fwW=1.32
sdS=486.8
fwS=1.43
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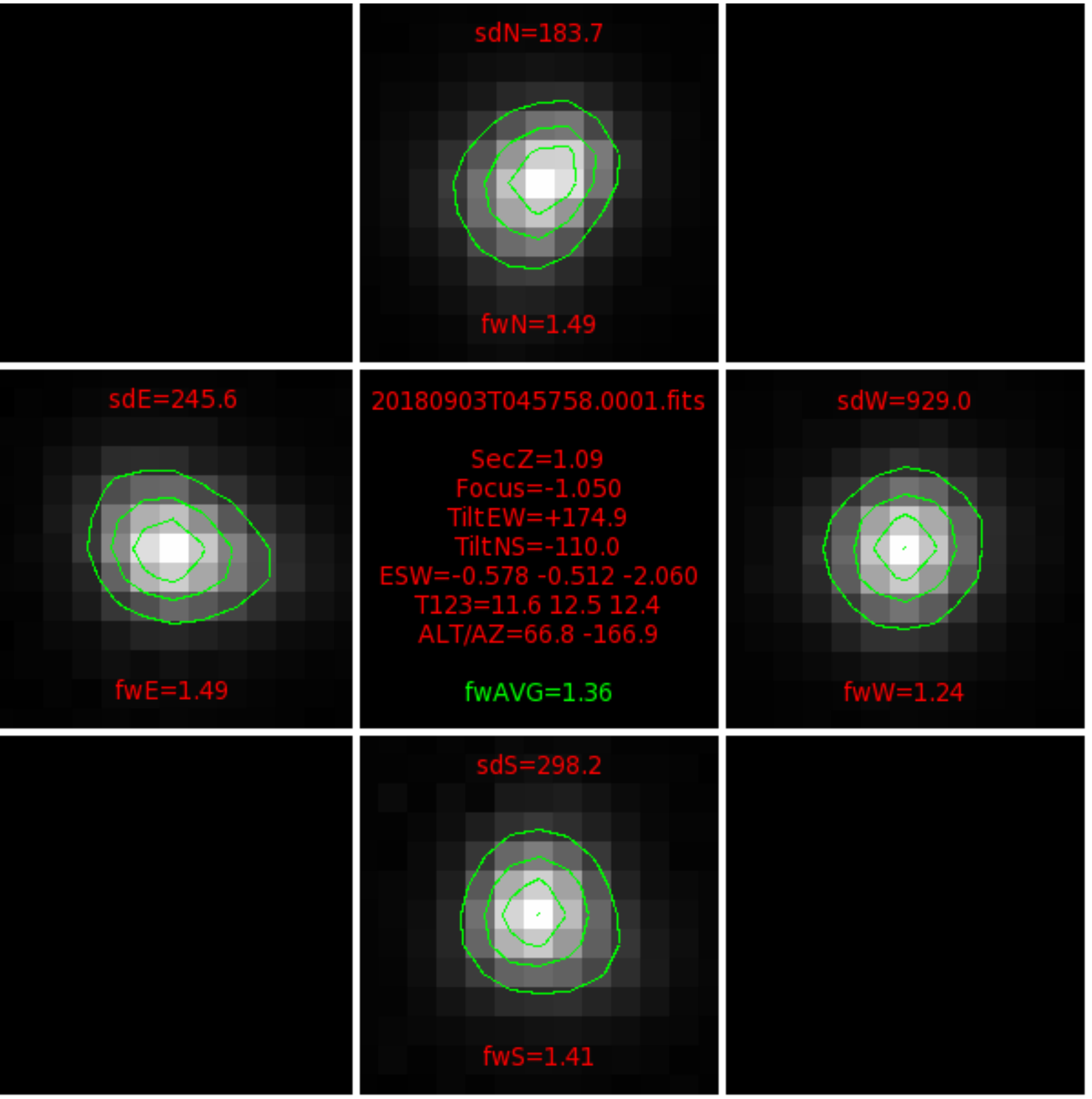
sdN=183.7
fwN=1.49
sdE=245.6
fwE=1.49
20180903T045758.0001.fits
SecZ=1.09
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.5 12.4
ALT/AZ=66.8 -166.9
fwAVG=1.36
sdW=929.0
fwW=1.24
sdS=298.2
fwS=1.41
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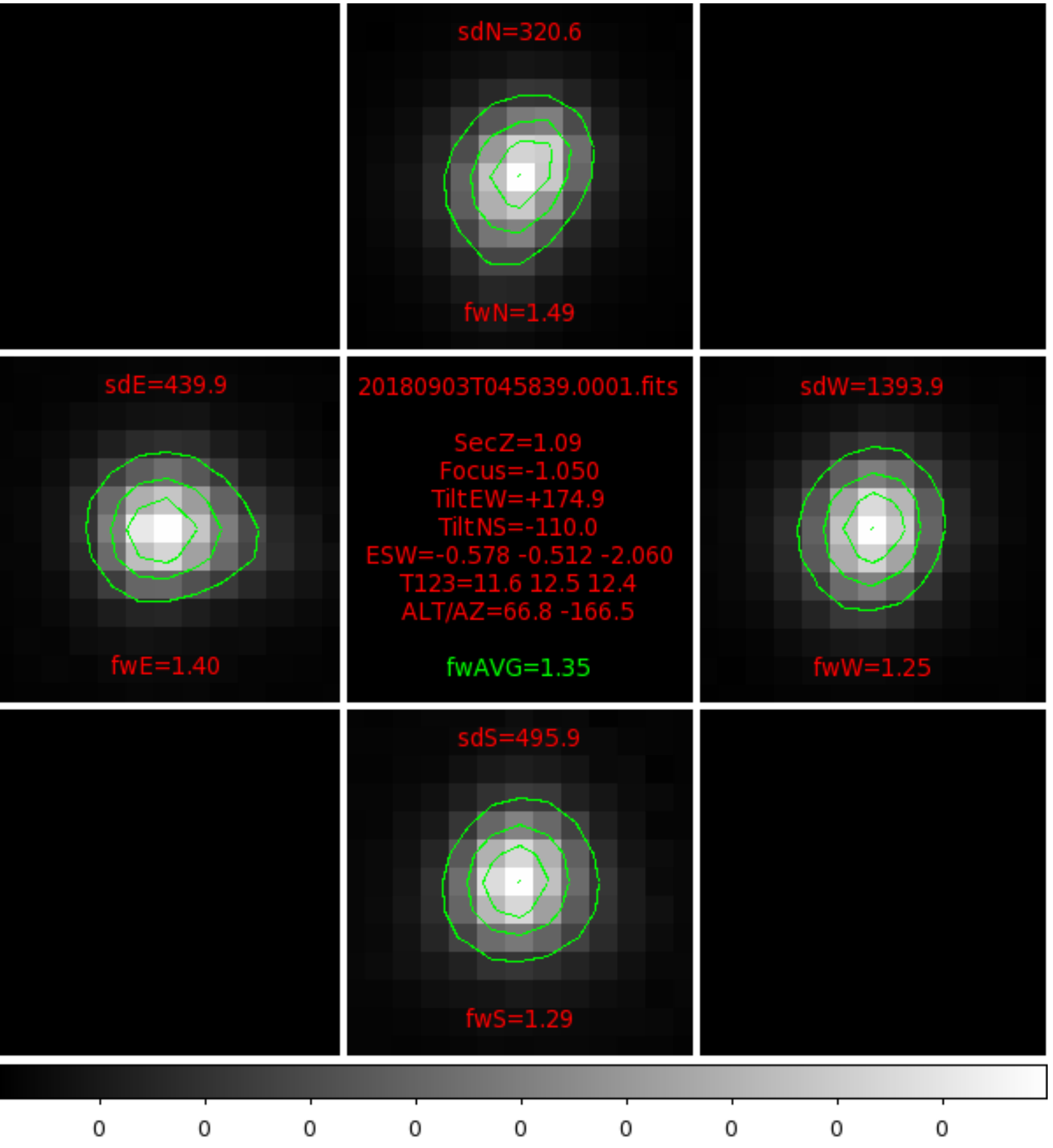
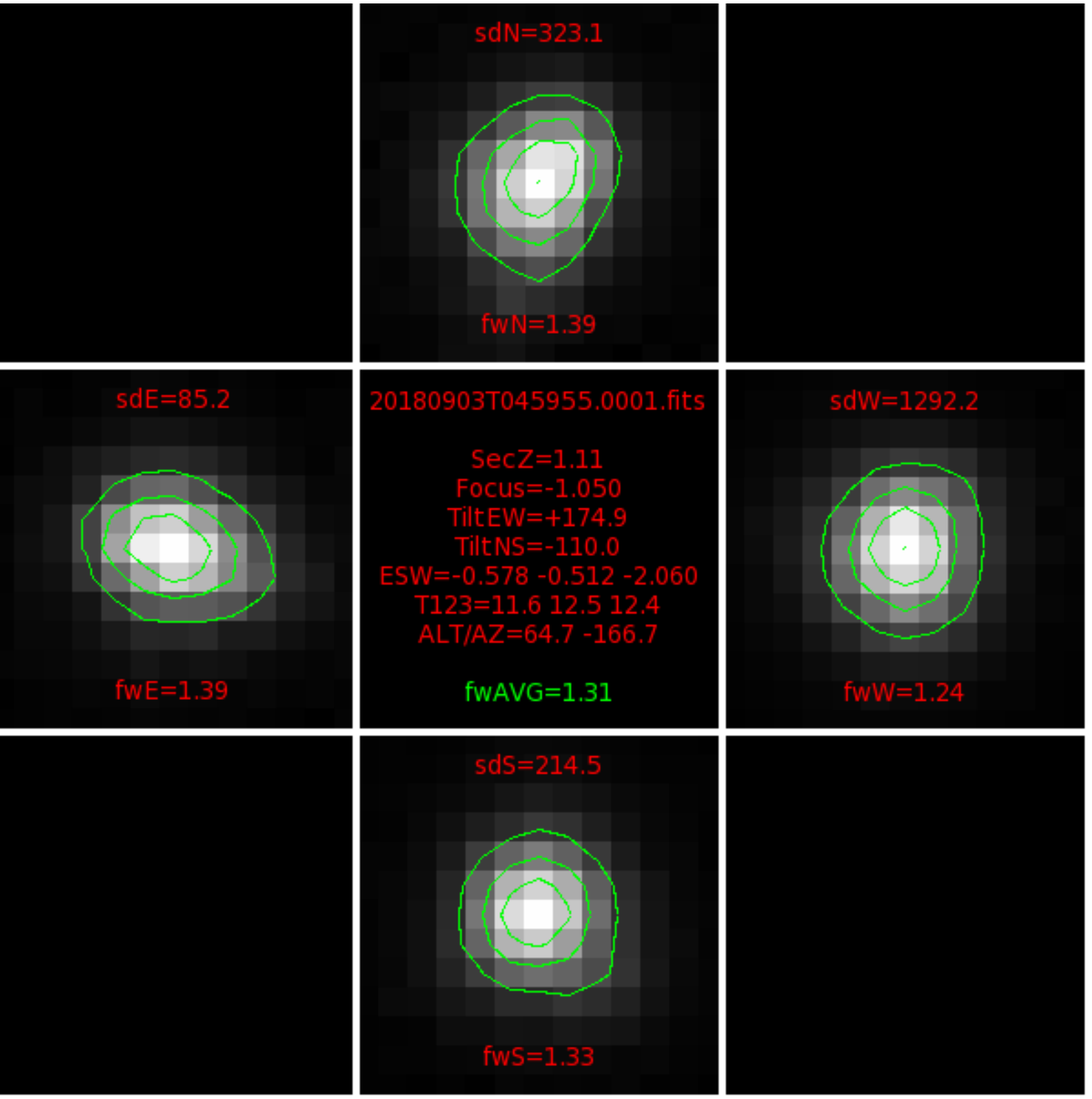
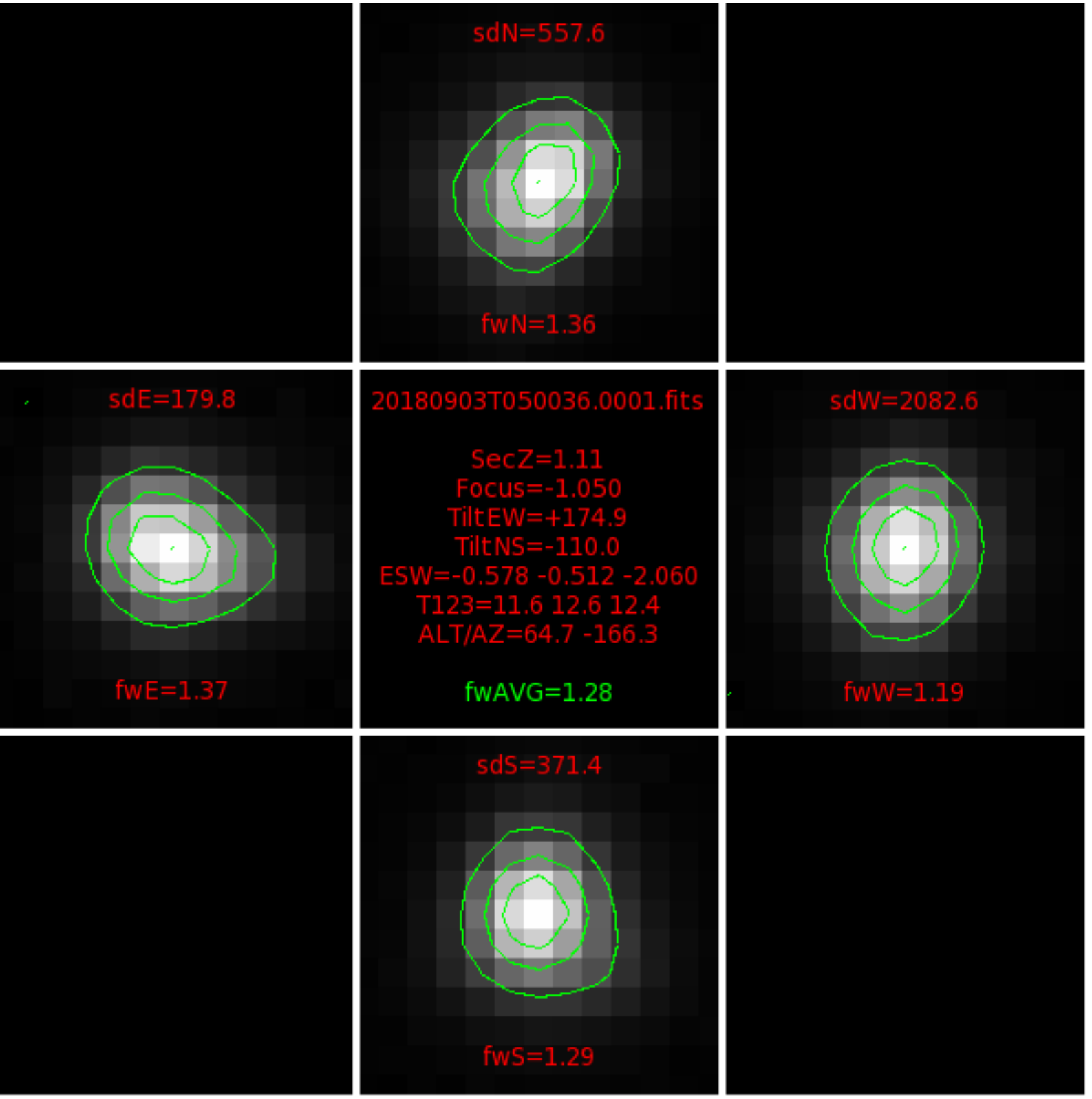
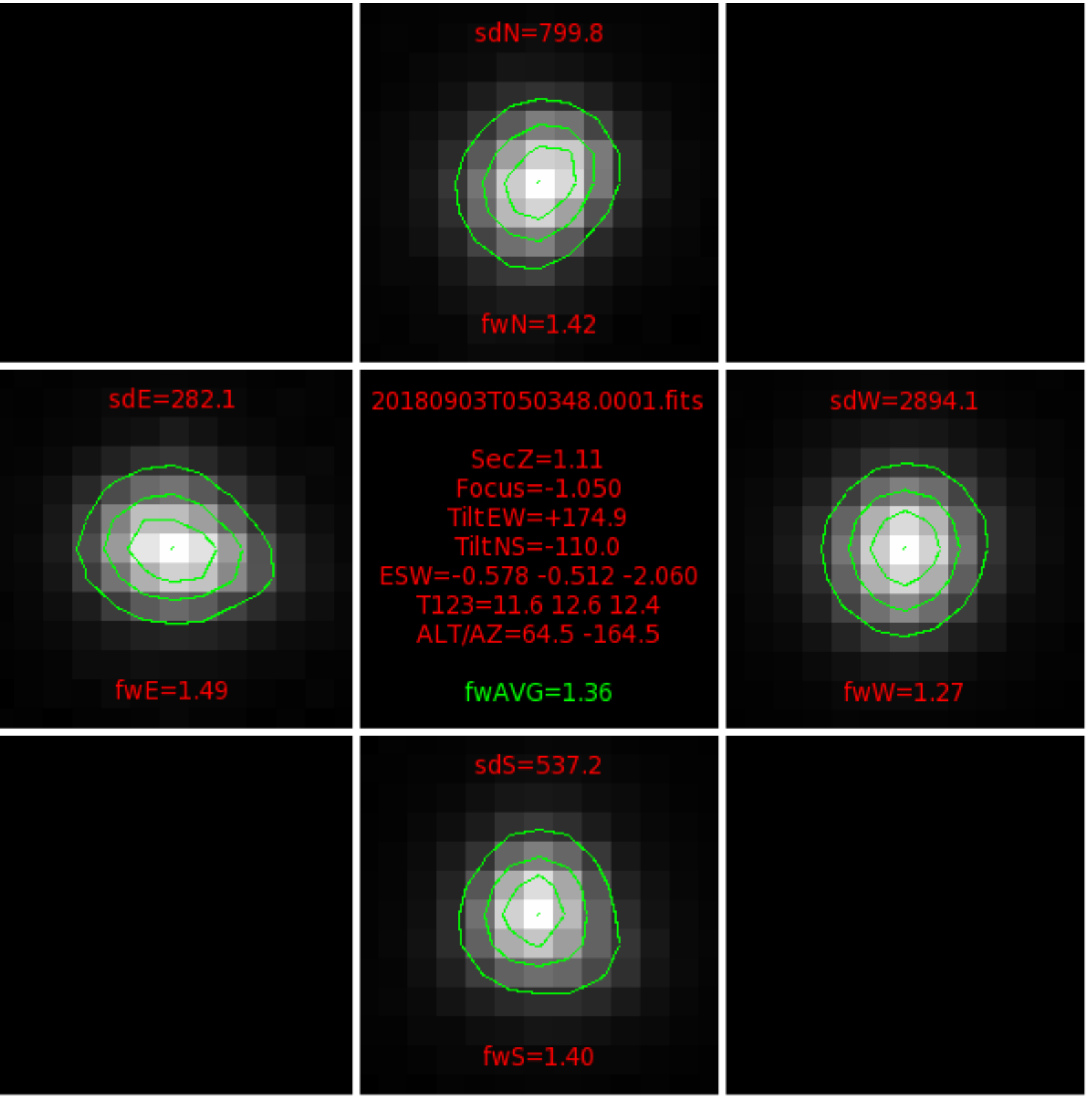
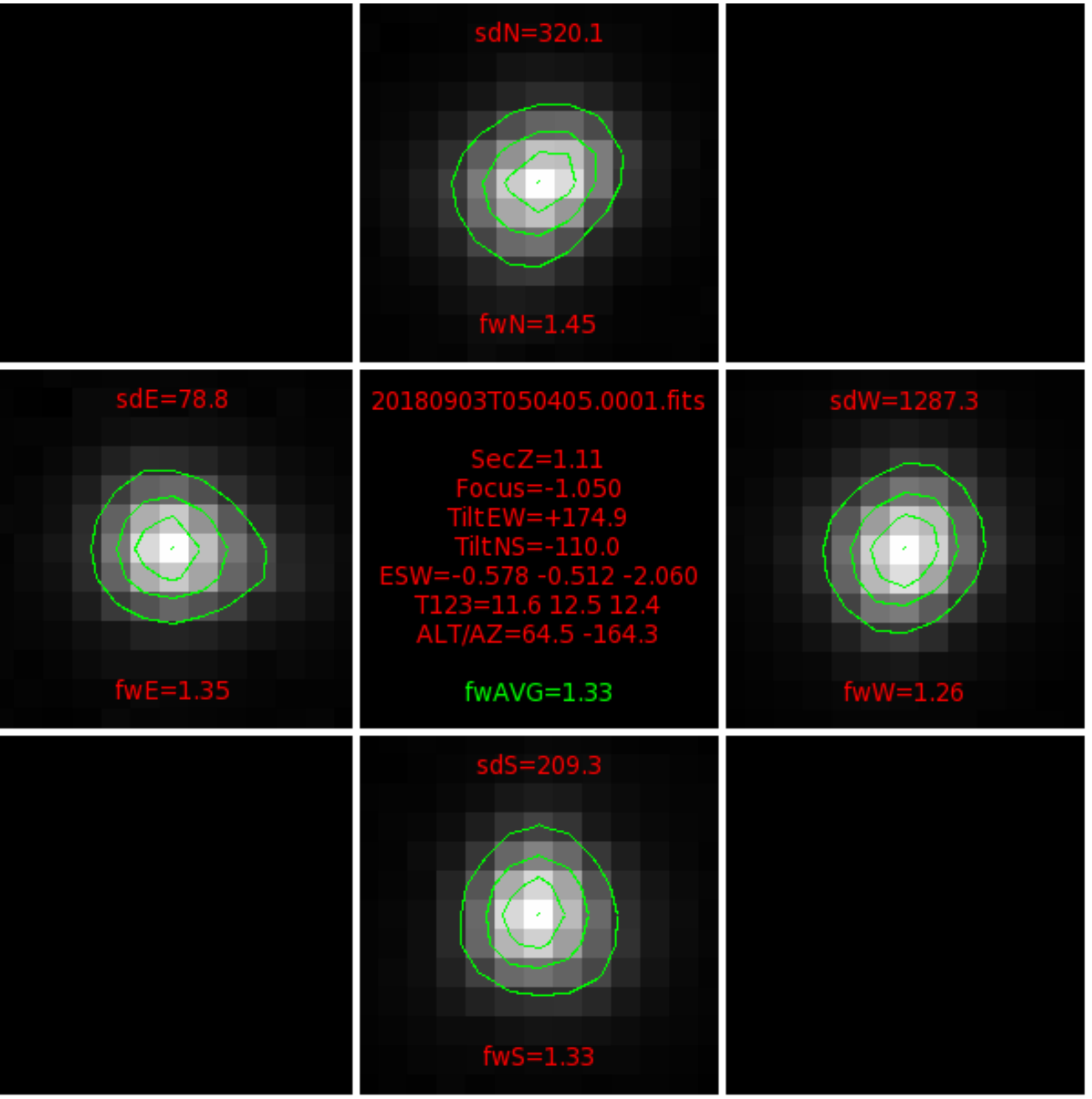
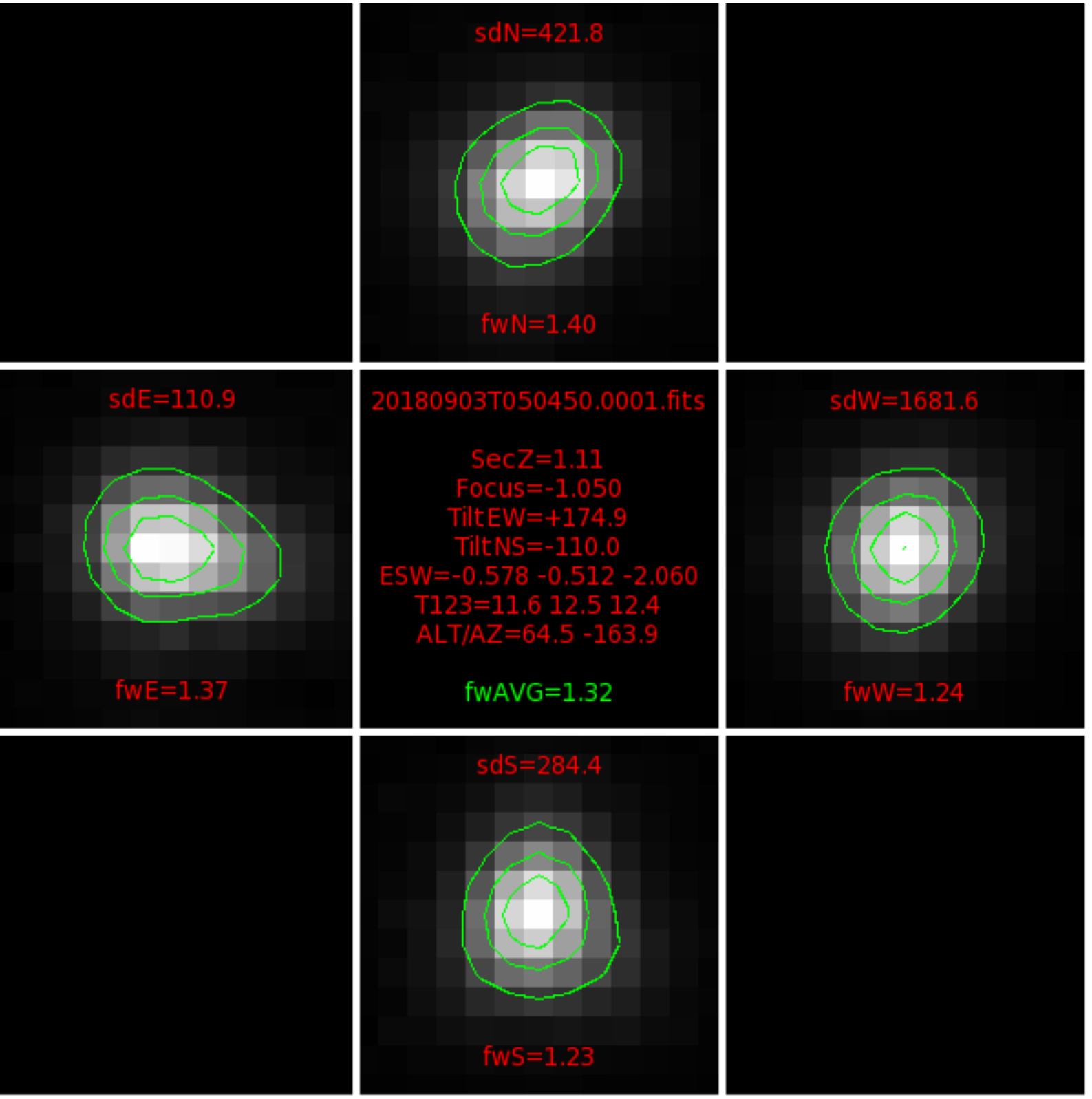

sdN=320.6
fwN=1.49
sdE=439.9
fwE=1.40
20180903T045839.0001.fits
SecZ=1.09
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.5 12.4
ALT/AZ=66.8 -166.5
fwAVG=1.35
sdW=1393.9
fwW=1.25
sdS=495.9
fwS=1.29
0 0 0 0 0 0 0 0 0


sdN=323.1
fwN=1.39
sdE=85.2
fwE=1.39
20180903T045955.0001.fits
SecZ=1.11
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.5 12.4
ALT/AZ=64.7 -166.7
fwAVG=1.31
sdW=1292.2
fwW=1.24
sdS=214.5
fwS=1.33
0 0 0 0 0 0 0 0 0


sdN=557.6
fwN=1.36
sdE=179.8
fwE=1.37
20180903T050036.0001.fits
SecZ=1.11
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.6 12.4
ALT/AZ=64.7 -166.3
fwAVG=1.28
sdW=2082.6
fwW=1.19
sdS=371.4
fwS=1.29
0 0 0 0 0 0 0 0 0


sdN=799.8
fwN=1.42
sdE=282.1
fwE=1.49
20180903T050348.0001.fits
SecZ=1.11
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.6 12.4
ALT/AZ=64.5 -164.5
fwAVG=1.36
sdW=2894.1
fwW=1.27
sdS=537.2
fwS=1.40
0 0 0 0 0 0 0 0 0


sdN=320.1
fwN=1.45
sdE=78.8
fwE=1.35
20180903T050405.0001.fits
SecZ=1.11
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.5 12.4
ALT/AZ=64.5 -164.3
fwAVG=1.33
sdW=1287.3
fwW=1.26
sdS=209.3
fwS=1.33
0 0 0 0 0 0 0 0 0


sdN=421.8
fwN=1.40
sdE=110.9
fwE=1.37
20180903T050450.0001.fits
SecZ=1.11
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.5 12.4
ALT/AZ=64.5 -163.9
fwAVG=1.32
sdW=1681.6
fwW=1.24
sdS=284.4
fwS=1.23
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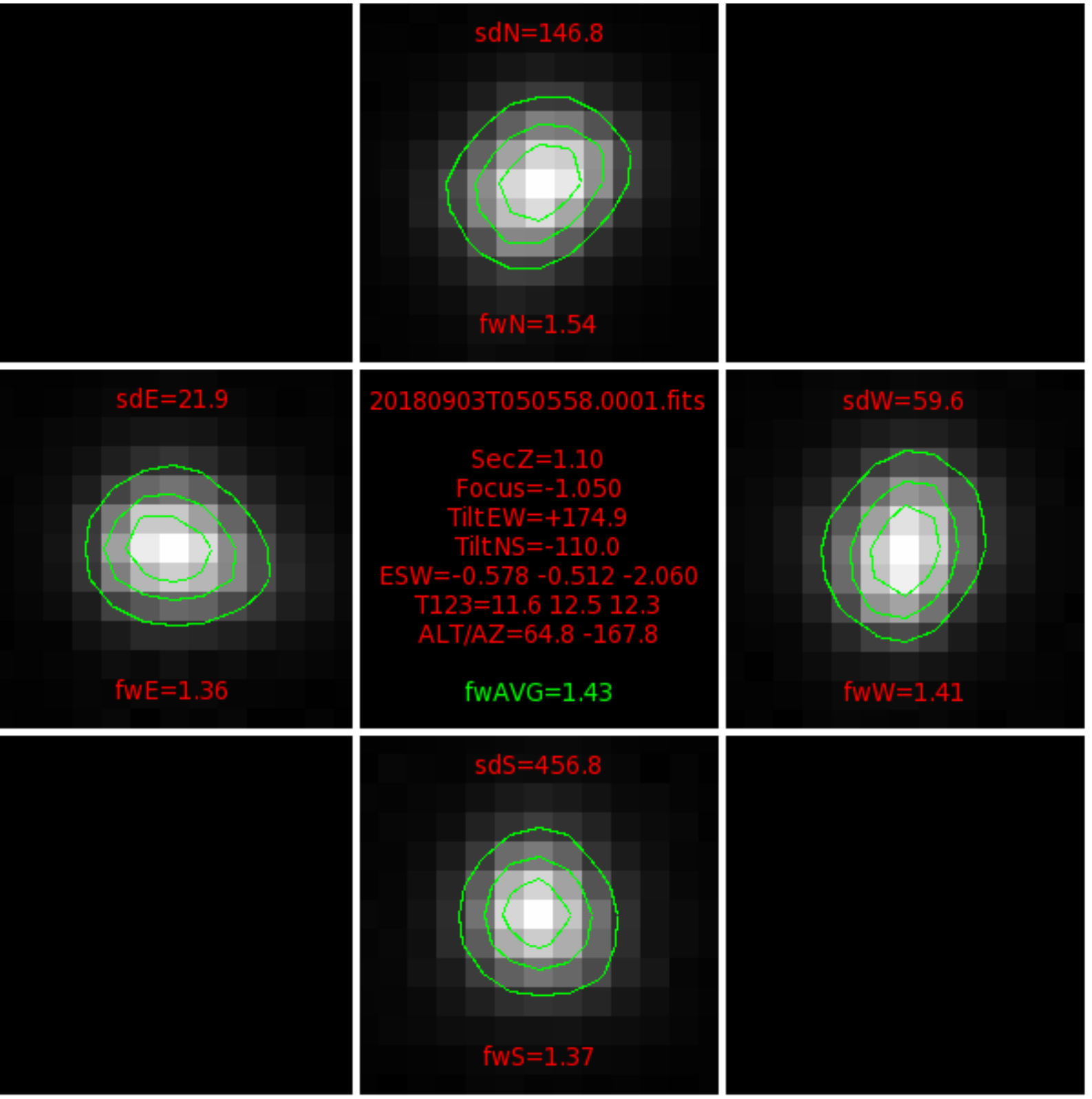
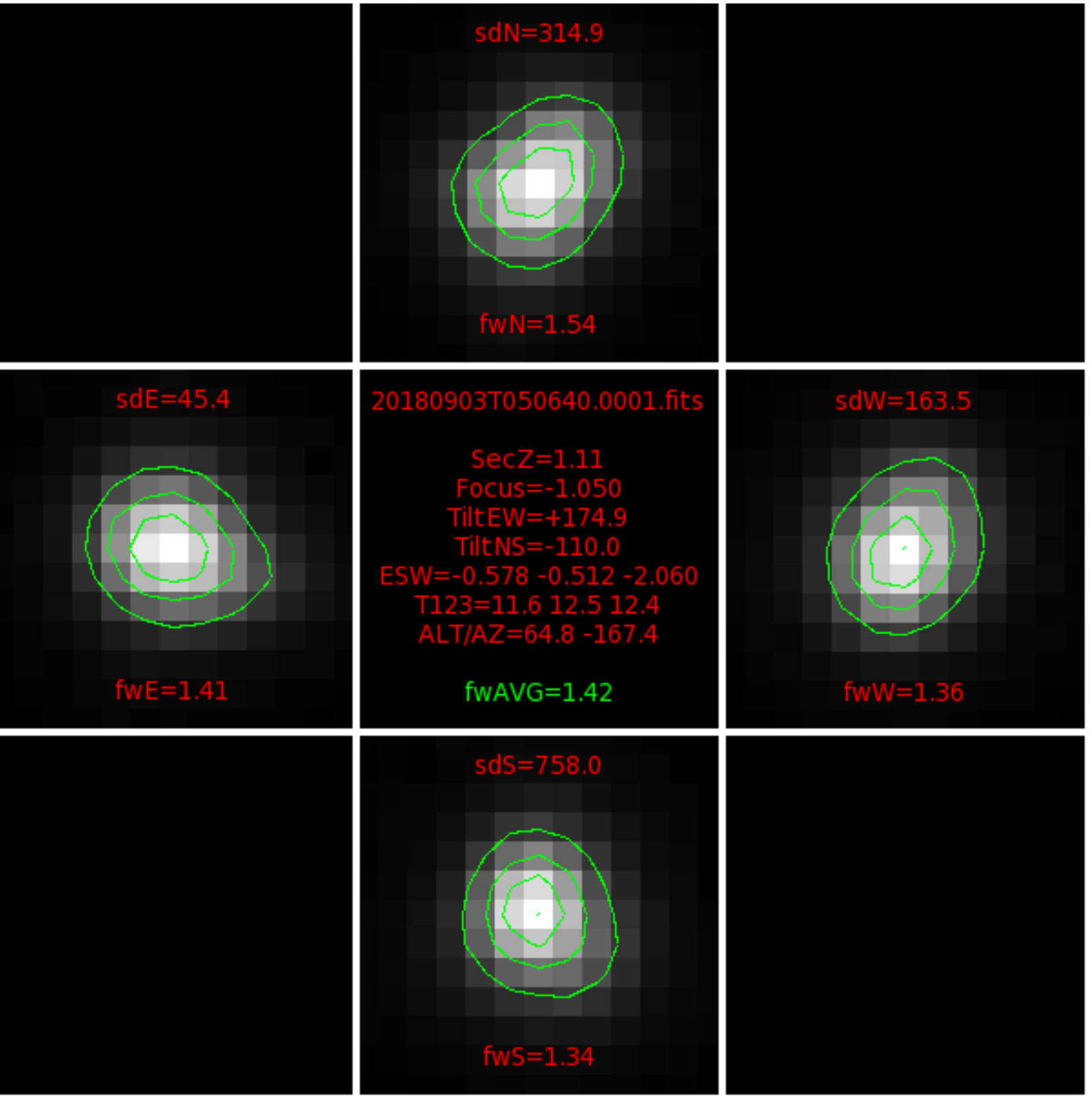
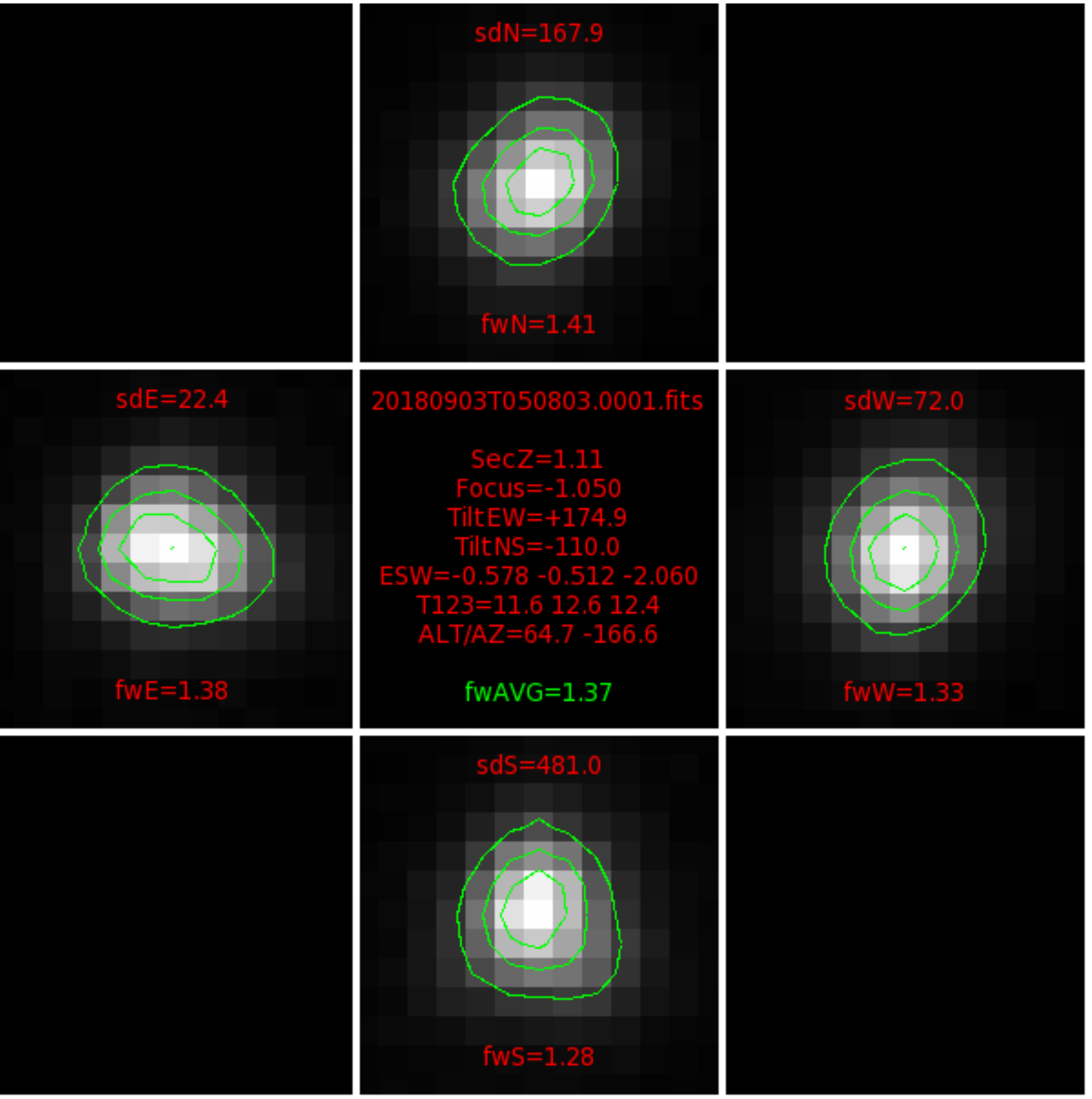
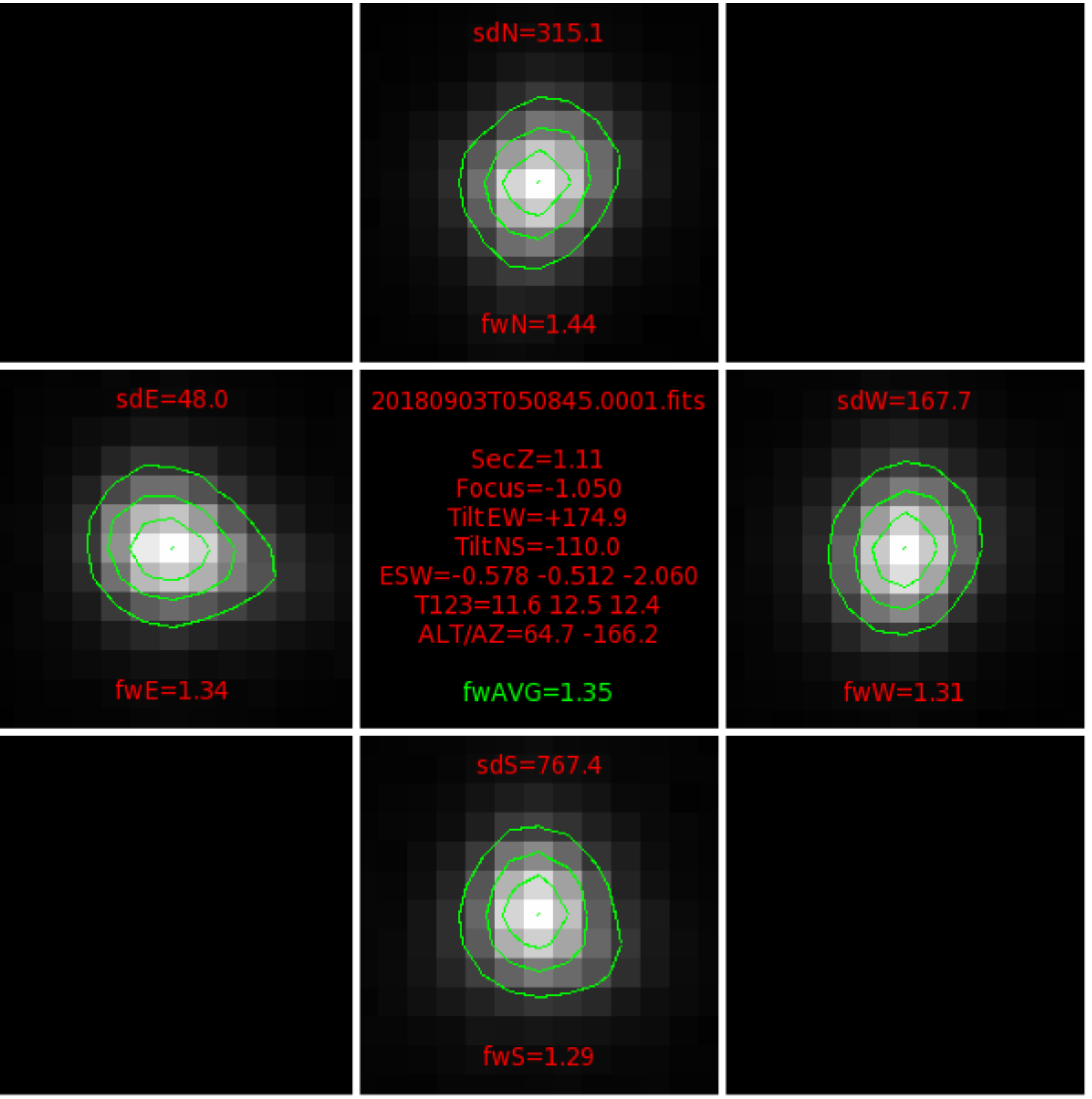
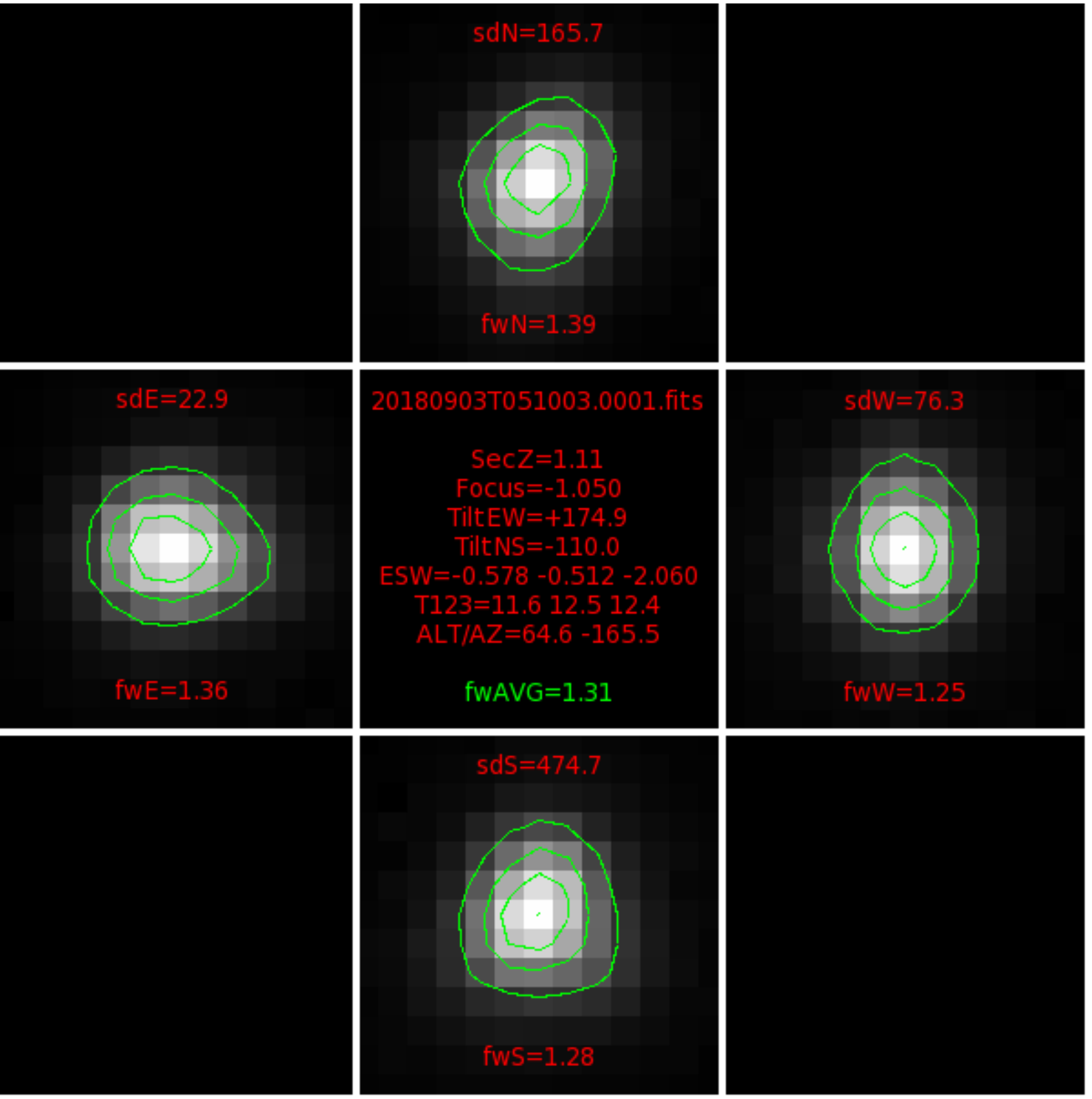
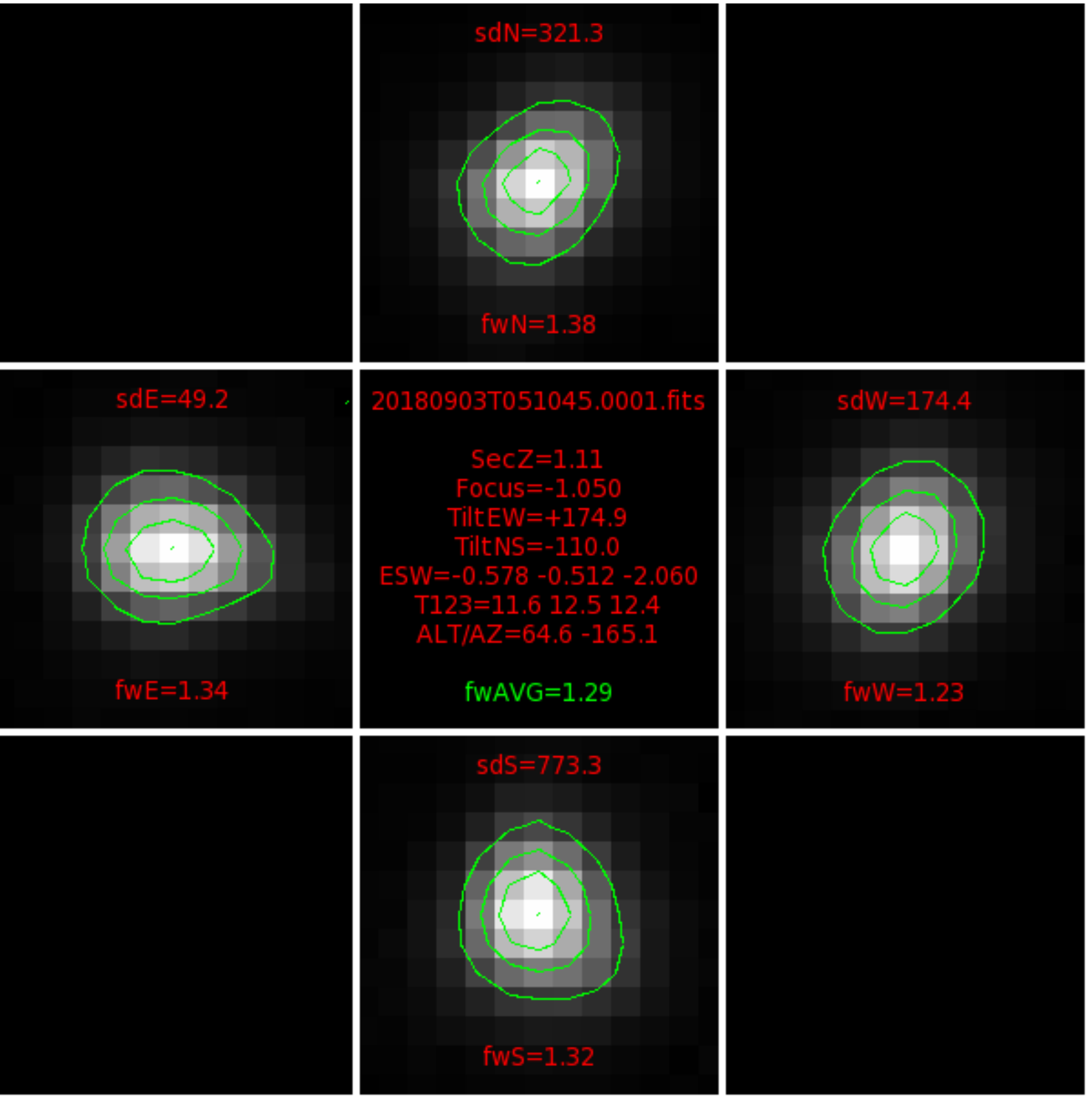

sdN=146.8
fwN=1.54
sdE=21.9
fwE=1.36
20180903T050558.0001.fits
SecZ=1.10
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.5 12.3
ALT/AZ=64.8 -167.8
fwAVG=1.43
sdW=59.6
fwW=1.41
sdS=456.8
fwS=1.37
0 0 0 0 0 0 0 0 0

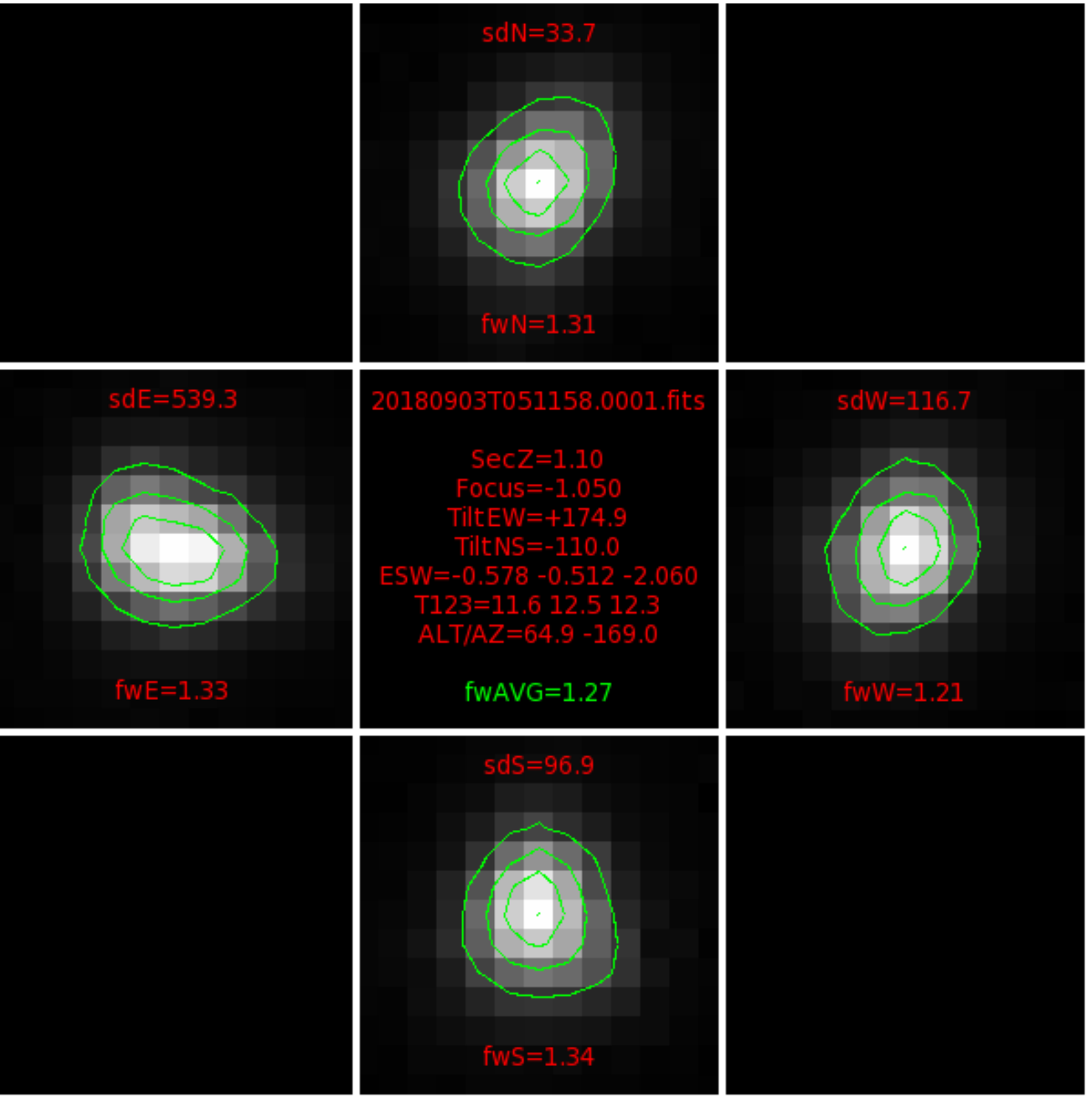

sdN=314.9
fwN=1.54
sdE=45.4
fwE=1.41
20180903T050640.0001.fits
SecZ=1.11
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.5 12.4
ALT/AZ=64.8 -167.4
fwAVG=1.42
sdW=163.5
fwW=1.36
sdS=758.0
fwS=1.34
0 0 0 0 0 0 0 0 0


sdN=167.9
fwN=1.41
sdE=22.4
fwE=1.38
20180903T050803.0001.fits
SecZ=1.11
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.6 12.4
ALT/AZ=64.7 -166.6
fwAVG=1.37
sdW=72.0
fwW=1.33
sdS=481.0
fwS=1.28
0 0 0 0 0 0 0 0 0


sdN=315.1
fwN=1.44
sdE=48.0
fwE=1.34
20180903T050845.0001.fits
SecZ=1.11
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.5 12.4
ALT/AZ=64.7 -166.2
fwAVG=1.35
sdW=167.7
fwW=1.31
sdS=767.4
fwS=1.29
0 0 0 0 0 0 0 0 0


sdN=165.7
fwN=1.39
sdE=22.9
fwE=1.36
20180903T051003.0001.fits
SecZ=1.11
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.5 12.4
ALT/AZ=64.6 -165.5
fwAVG=1.31
sdW=76.3
fwW=1.25
sdS=474.7
fwS=1.28
0 0 0 0 0 0 0 0 0


sdN=321.3
fwN=1.38
sdE=49.2
fwE=1.34
20180903T051045.0001.fits
SecZ=1.11
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.5 12.4
ALT/AZ=64.6 -165.1
fwAVG=1.29
sdW=174.4
fwW=1.23
sdS=773.3
fwS=1.32
0 0 0 0 0 0 0 0 0


sdN=33.7
fwN=1.31
sdE=539.3
fwE=1.33
20180903T051158.0001.fits
SecZ=1.10
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.5 12.3
ALT/AZ=64.9 -169.0
fwAVG=1.27
sdW=116.7
fwW=1.21
sdS=96.9
fwS=1.34
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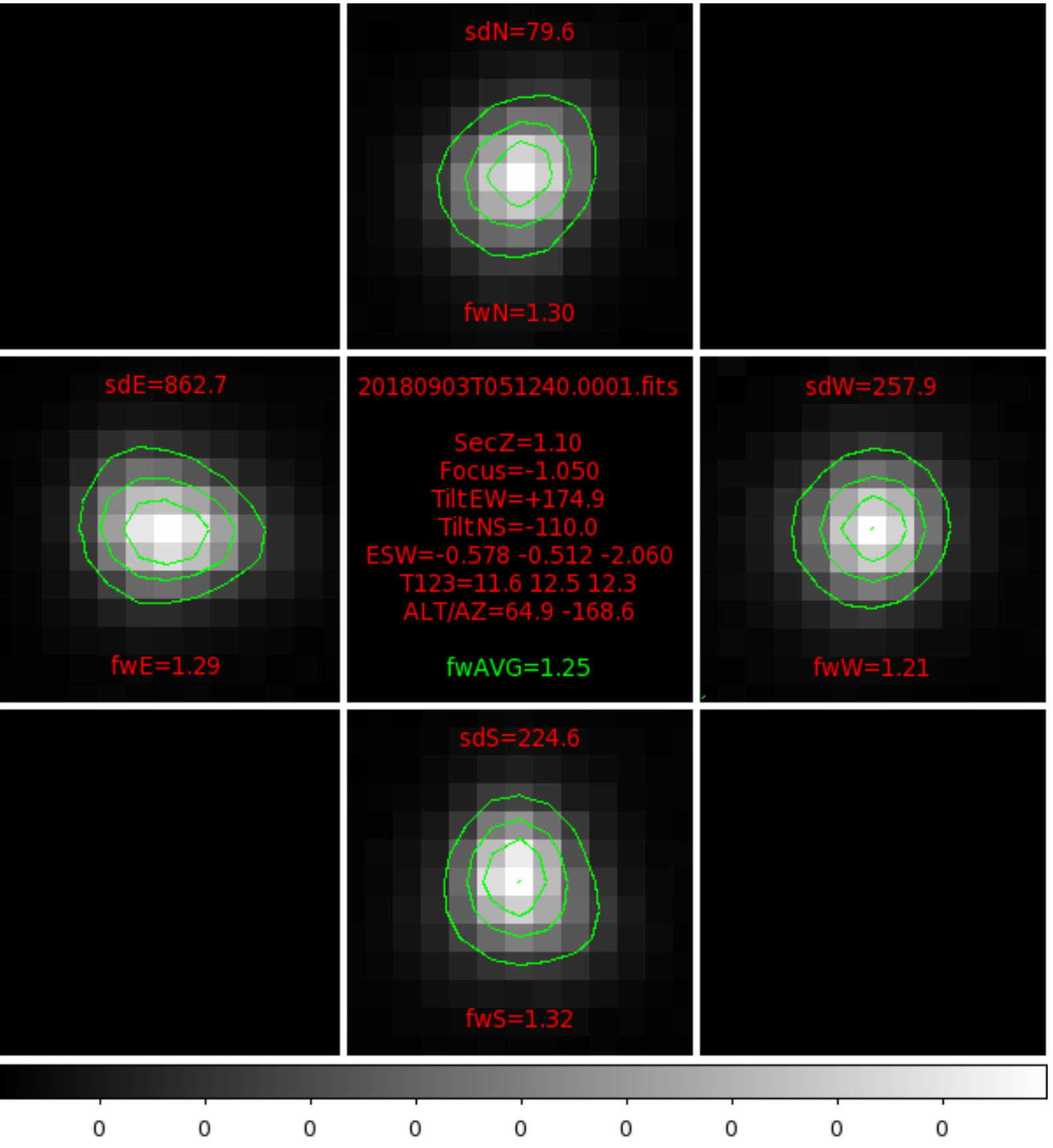
sdN=79.6
fwN=1.30
sdE=862.7
fwE=1.29
20180903T051240.0001.fits
SecZ=1.10
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.5 12.3
ALT/AZ=64.9 -168.6
fwAVG=1.25
sdW=257.9
fwW=1.21
sdS=224.6
fwS=1.32
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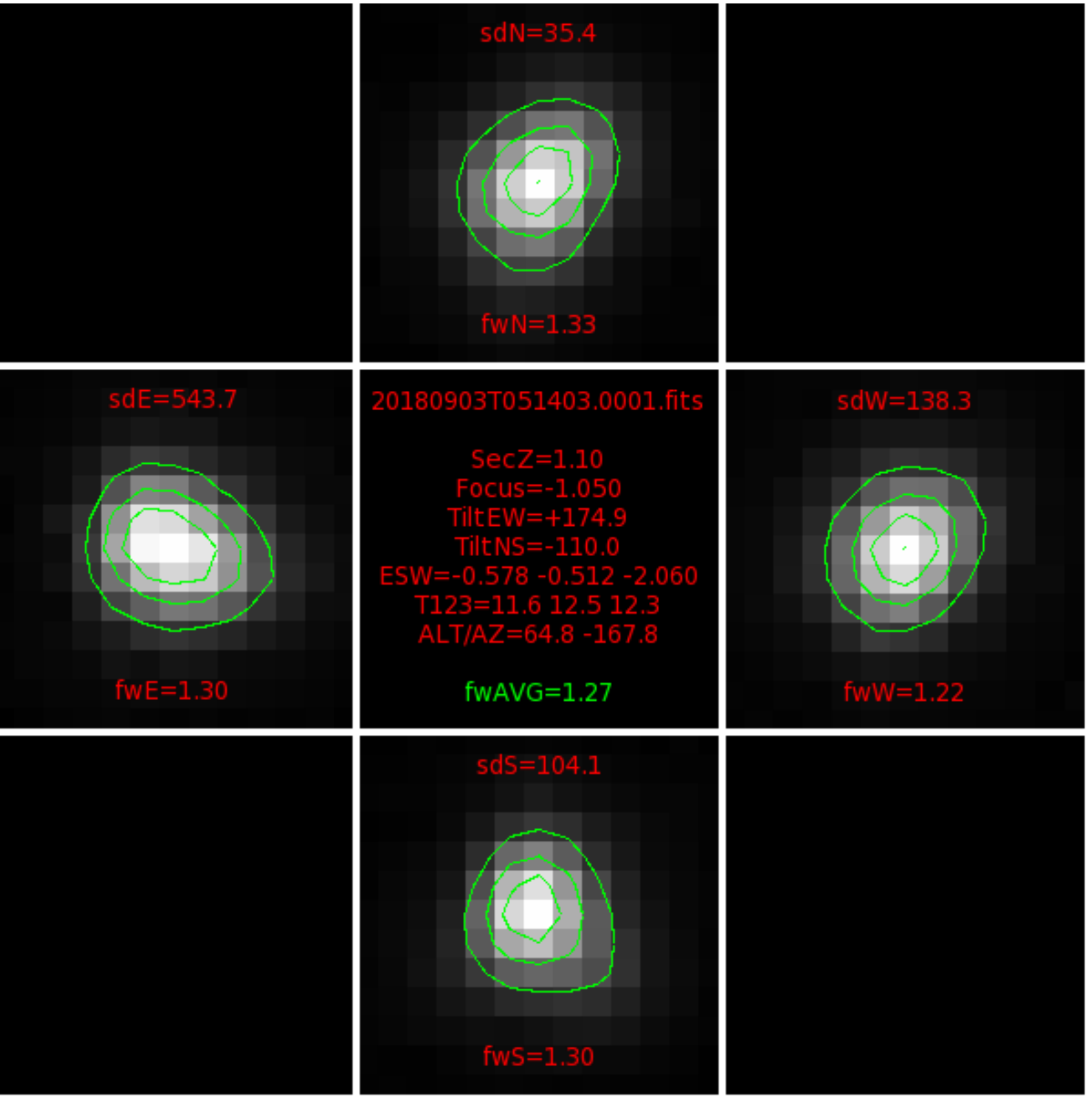
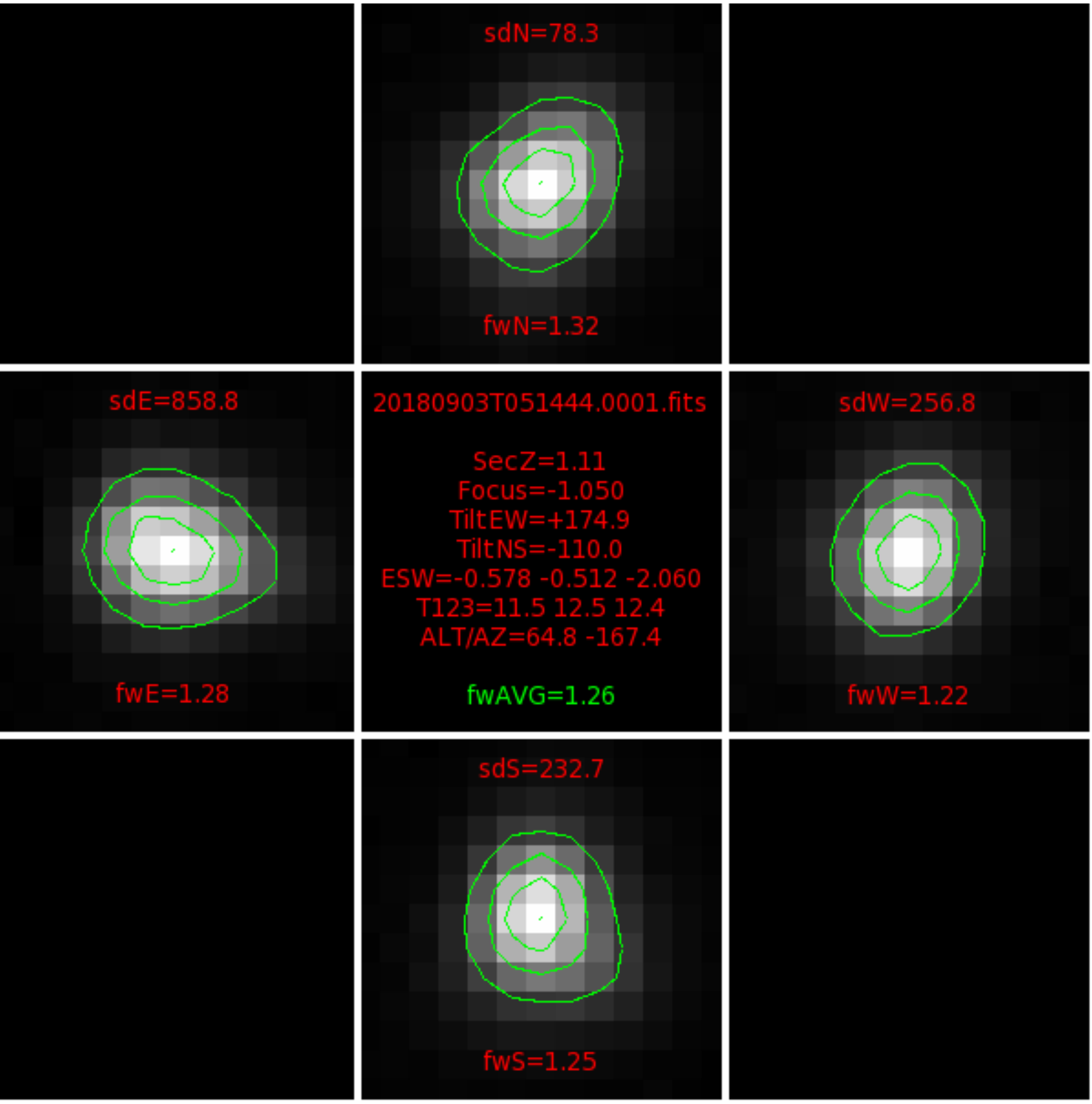

sdN=35.4
fwN=1.33
sdE=543.7
fwE=1.30
20180903T051403.0001.fits
SecZ=1.10
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.5 12.3
ALT/AZ=64.8 -167.8
fwAVG=1.27
sdW=138.3
fwW=1.22
sdS=104.1
fwS=1.30
0 0 0 0 0 0 0 0 0


sdN=78.3
fwN=1.32
sdE=858.8
fwE=1.28
20180903T051444.0001.fits
SecZ=1.11
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.5 12.4
ALT/AZ=64.8 -167.4
fwAVG=1.26
sdW=256.8
fwW=1.22
sdS=232.7
fwS=1.25
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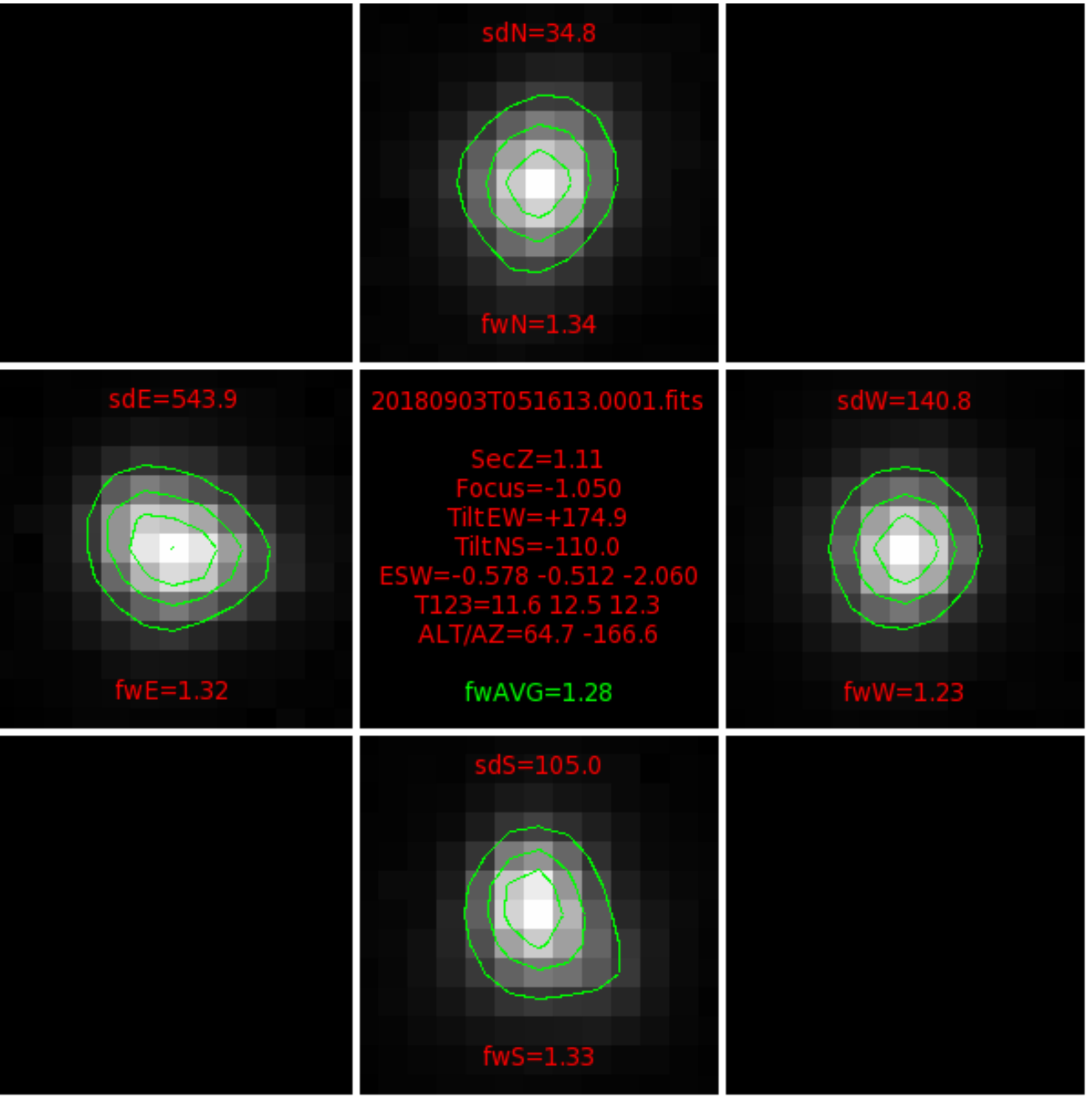
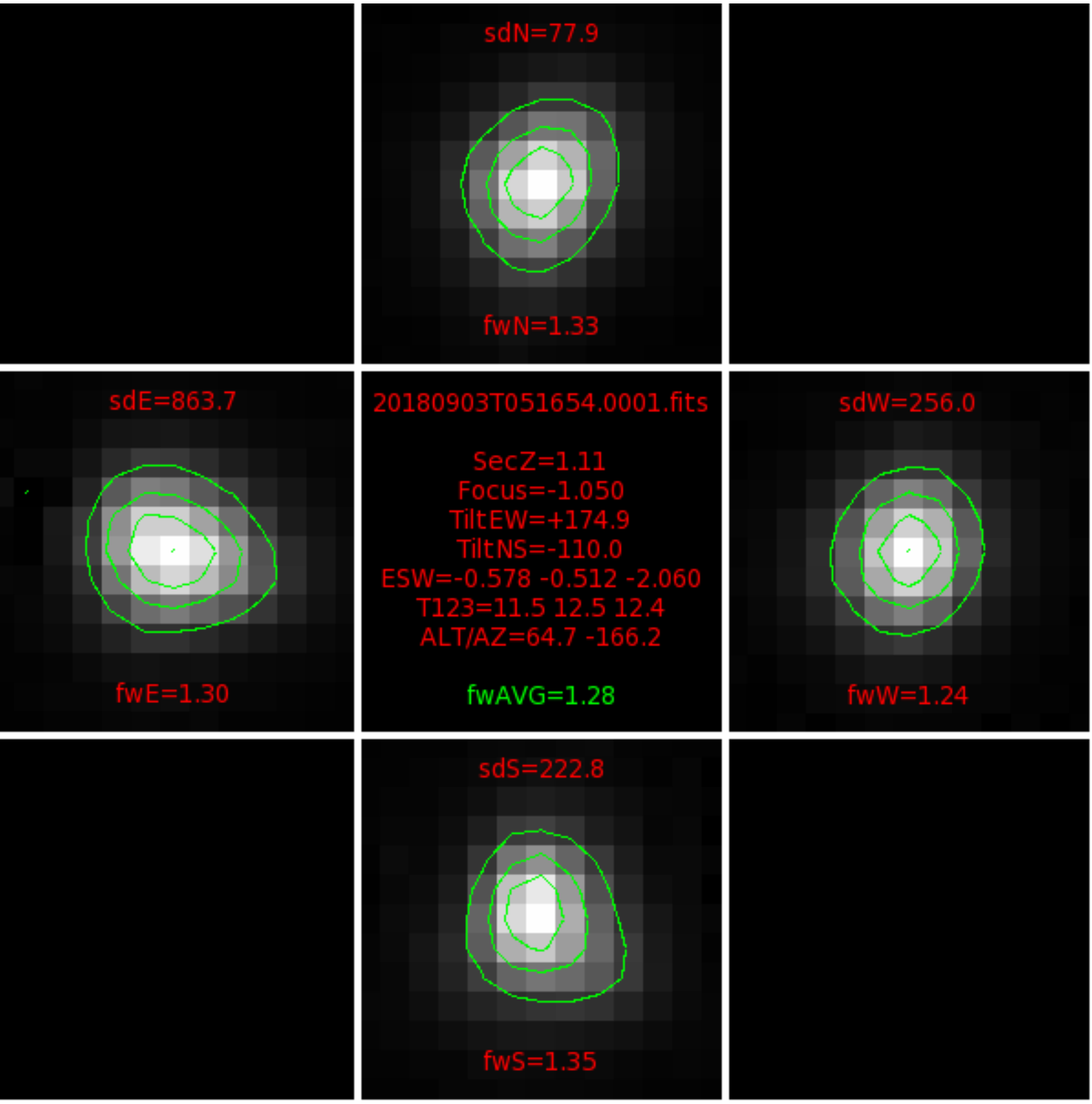

sdN=34.8
fwN=1.34
sdE=543.9
fwE=1.32
20180903T051613.0001.fits
SecZ=1.11
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.5 12.3
ALT/AZ=64.7 -166.6
fwAVG=1.28
sdW=140.8
fwW=1.23
sdS=105.0
fwS=1.33
0 0 0 0 0 0 0 0 0


sdN=77.9
fwN=1.33
sdE=863.7
fwE=1.30
20180903T051654.0001.fits
SecZ=1.11
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.5 12.4
ALT/AZ=64.7 -166.2
fwAVG=1.28
sdW=256.0
fwW=1.24
sdS=222.8
fwS=1.35
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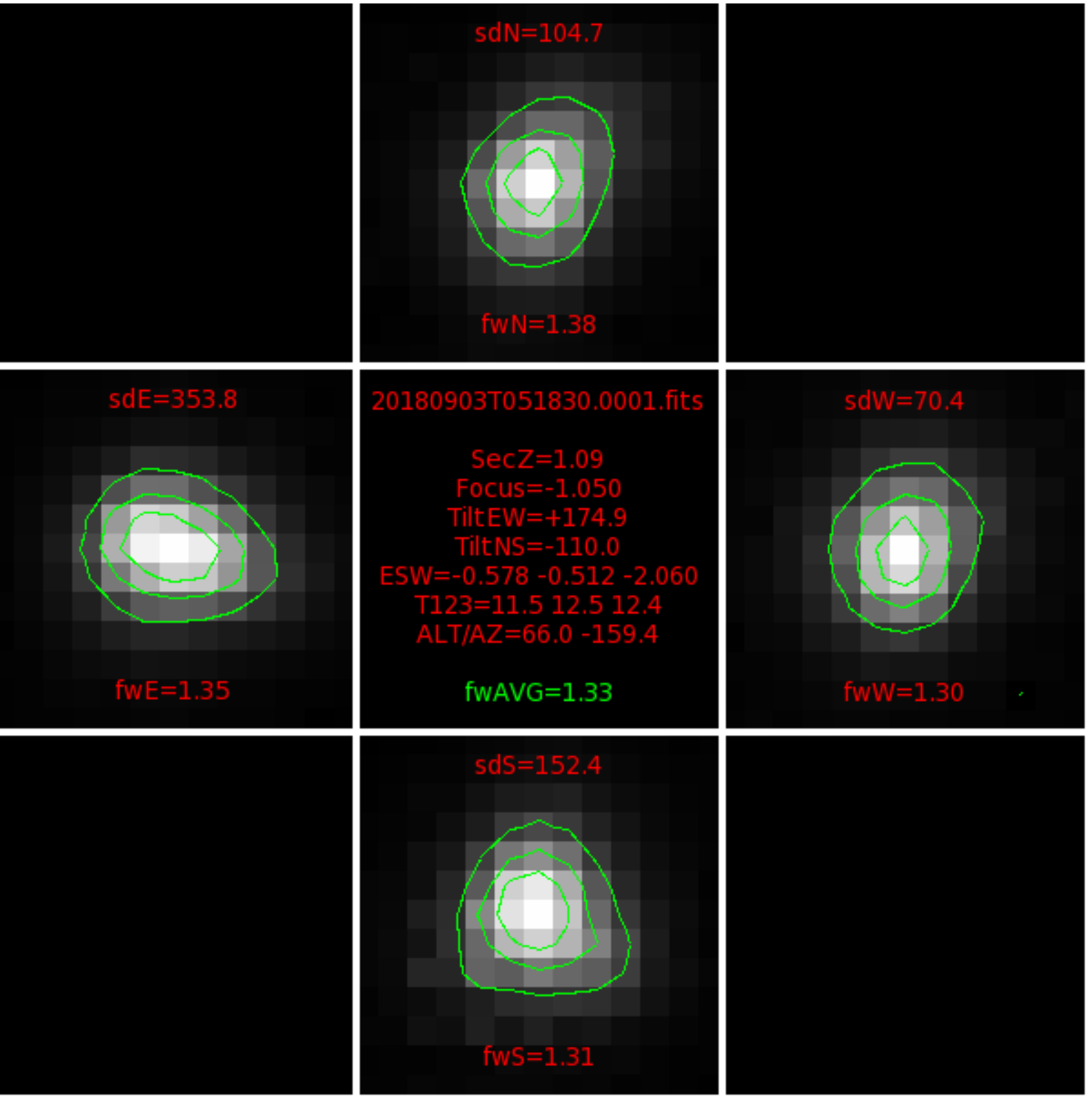
sdN=104.7
fwN=1.38
sdE=353.8
fwE=1.35
20180903T051830.0001.fits
SecZ=1.09
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.5 12.4
ALT/AZ=66.0 -159.4
fwAVG=1.33
sdW=70.4
fwW=1.30
sdS=152.4
fwS=1.31
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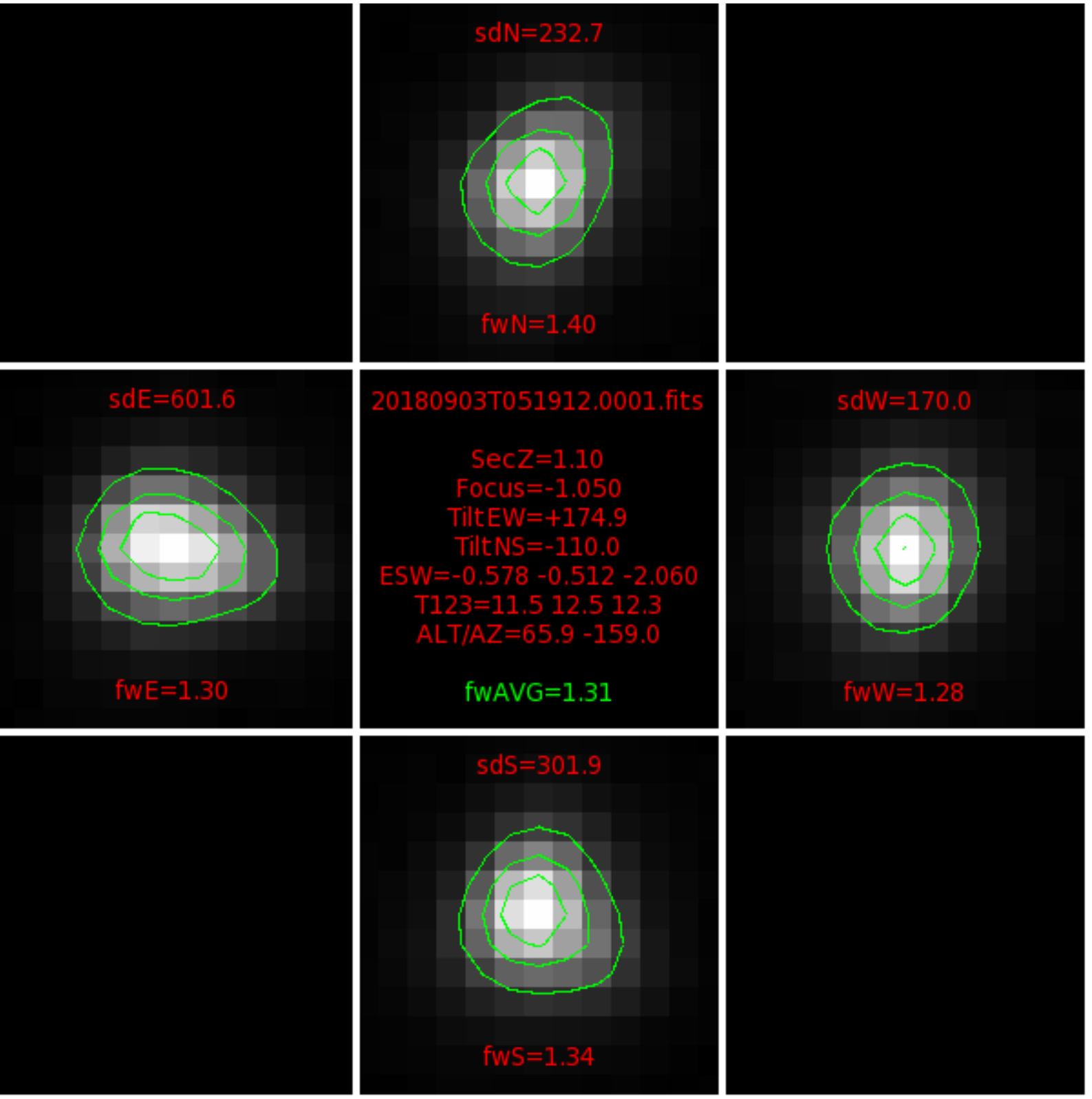
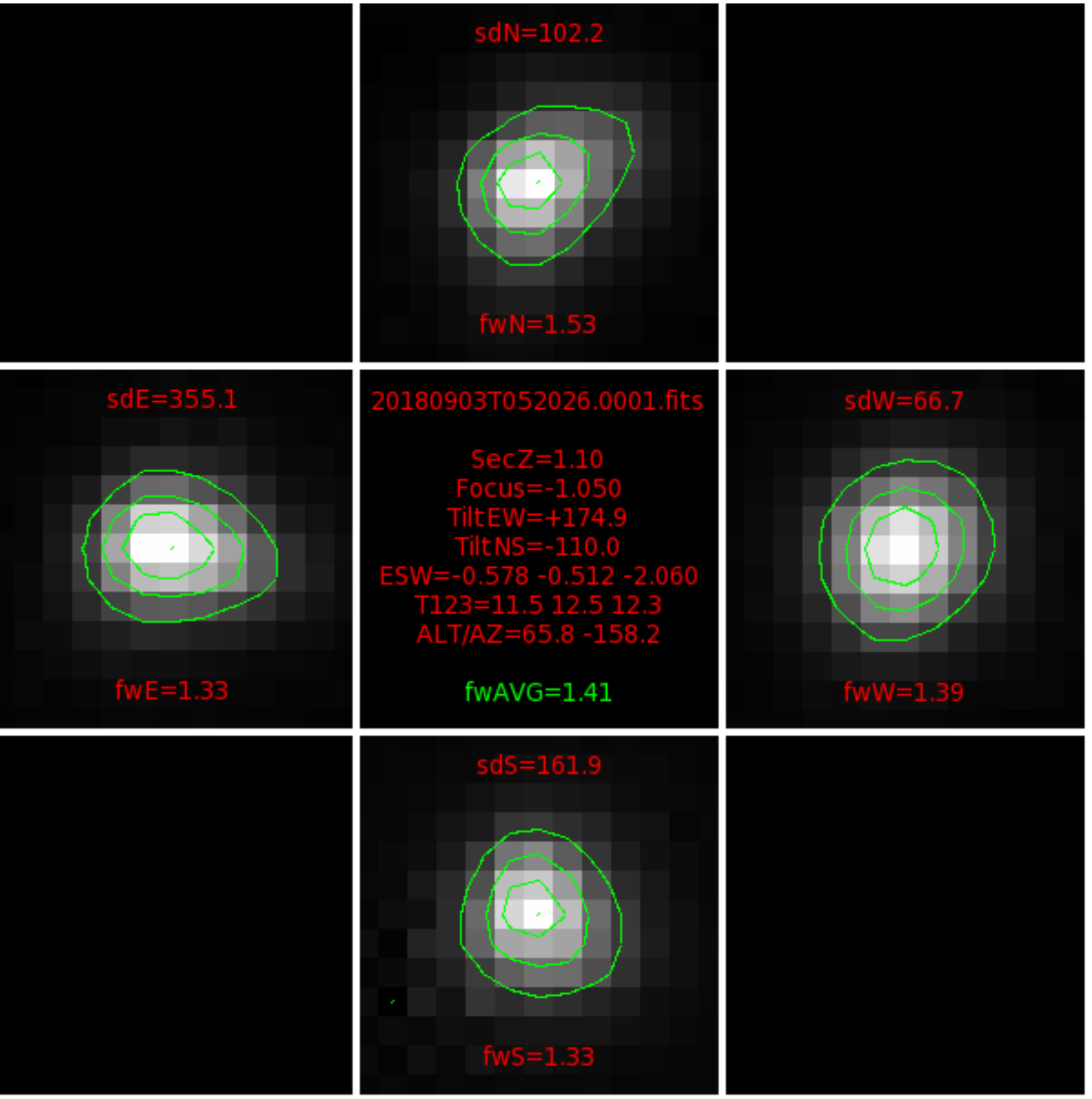
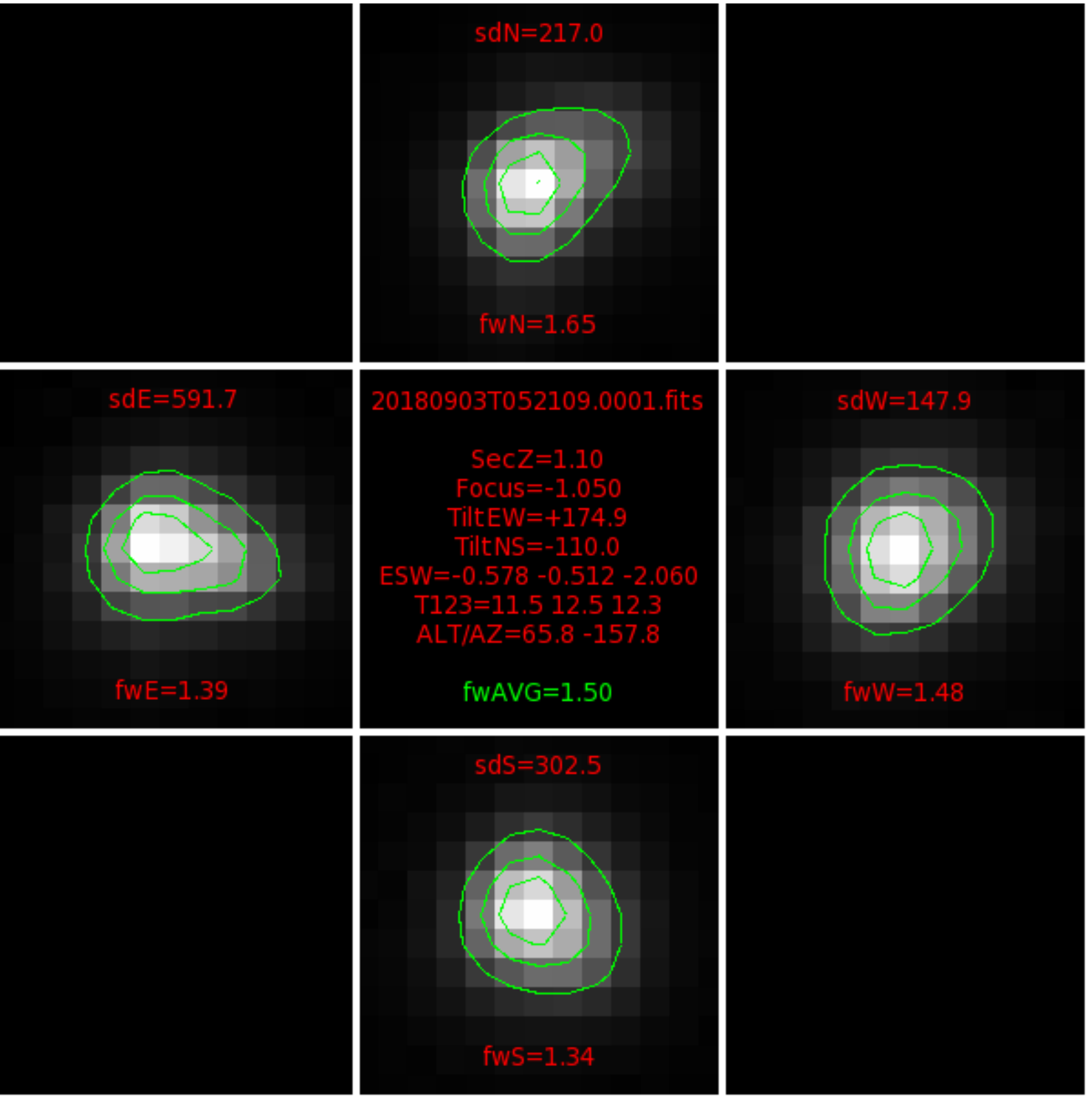
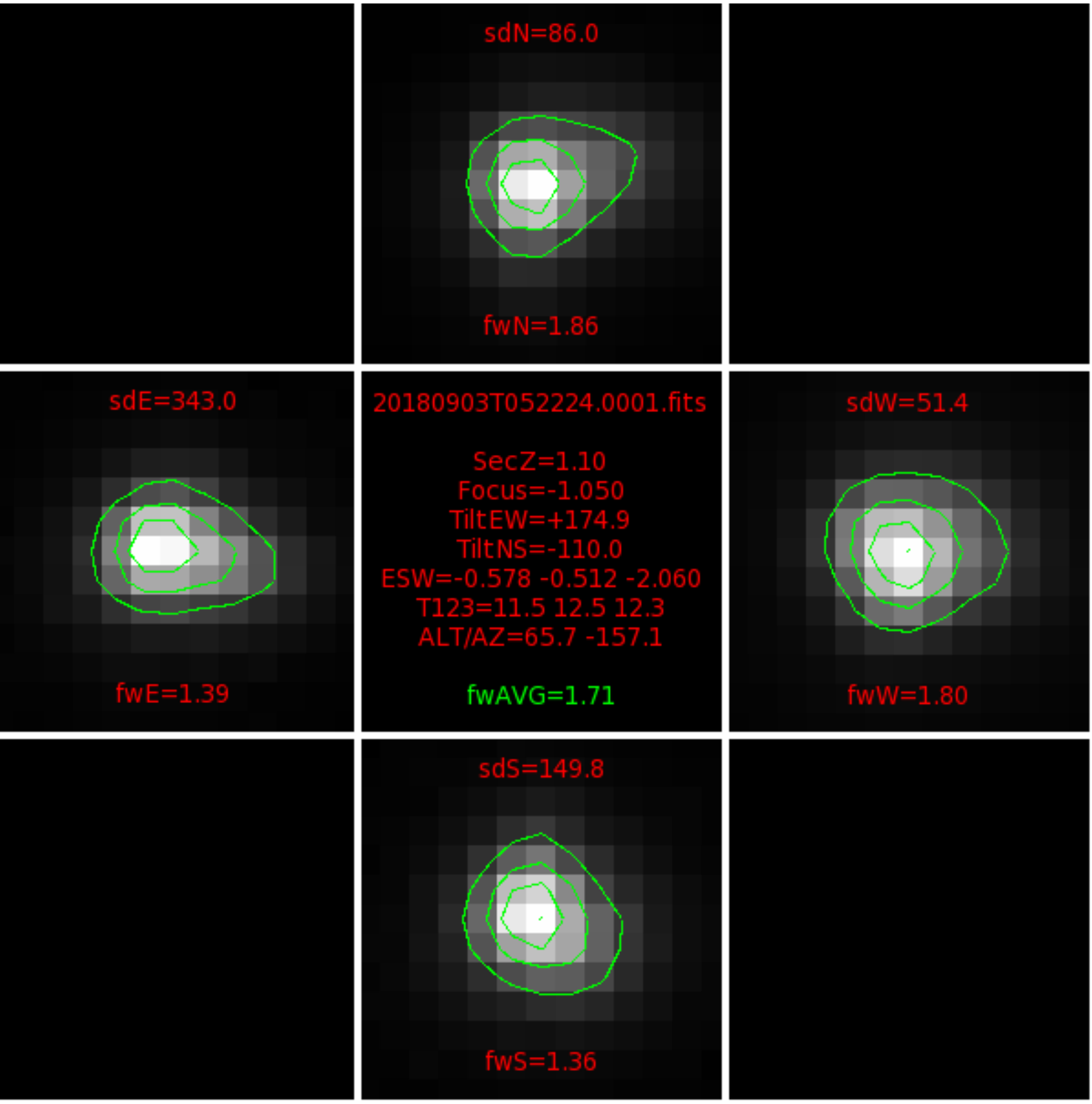

sdN=232.7
fwN=1.40
sdE=601.6
fwE=1.30
20180903T051912.0001.fits
SecZ=1.10
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.5 12.3
ALT/AZ=65.9 -159.0
fwAVG=1.31
sdW=170.0
fwW=1.28
sdS=301.9
fwS=1.34
0 0 0 0 0 0 0 0 0


sdN=102.2
fwN=1.53
sdE=355.1
fwE=1.33
20180903T052026.0001.fits
SecZ=1.10
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.5 12.3
ALT/AZ=65.8 -158.2
fwAVG=1.41
sdW=66.7
fwW=1.39
sdS=161.9
fwS=1.33
0 0 0 0 0 0 0 0 0


sdN=217.0
fwN=1.65
sdE=591.7
fwE=1.39
20180903T052109.0001.fits
SecZ=1.10
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.5 12.3
ALT/AZ=65.8 -157.8
fwAVG=1.50
sdW=147.9
fwW=1.48
sdS=302.5
fwS=1.34
0 0 0 0 0 0 0 0 0


sdN=86.0
fwN=1.86
sdE=343.0
fwE=1.39
20180903T052224.0001.fits
SecZ=1.10
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.5 12.3
ALT/AZ=65.7 -157.1
fwAVG=1.71
sdW=51.4
fwW=1.80
sdS=149.8
fwS=1.36
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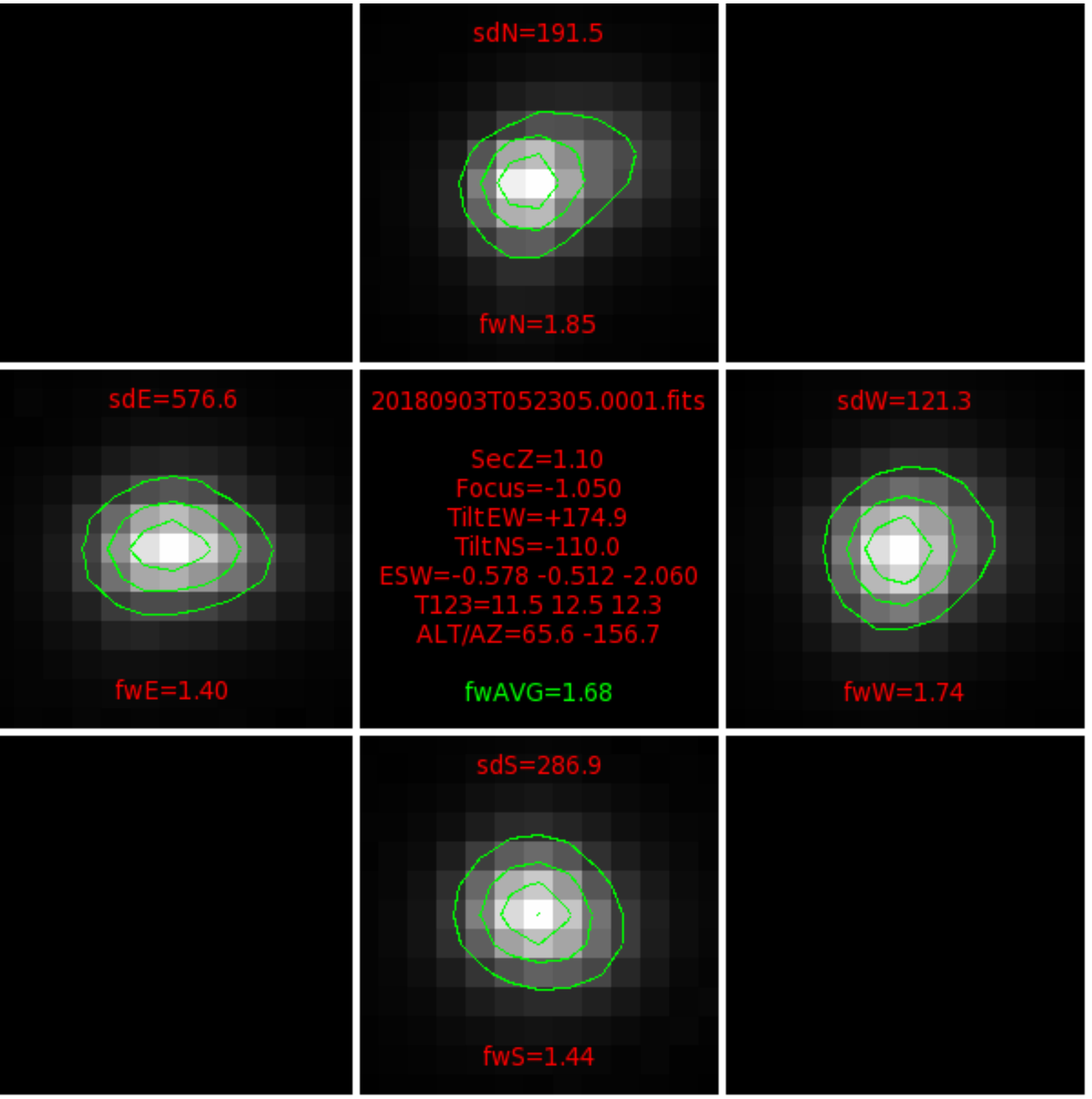
sdN=191.5
fwN=1.85
sdE=576.6
fwE=1.40
20180903T052305.0001.fits
SecZ=1.10
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.5 12.3
ALT/AZ=65.6 -156.7
fwAVG=1.68
sdW=121.3
fwW=1.74
sdS=286.9
fwS=1.44
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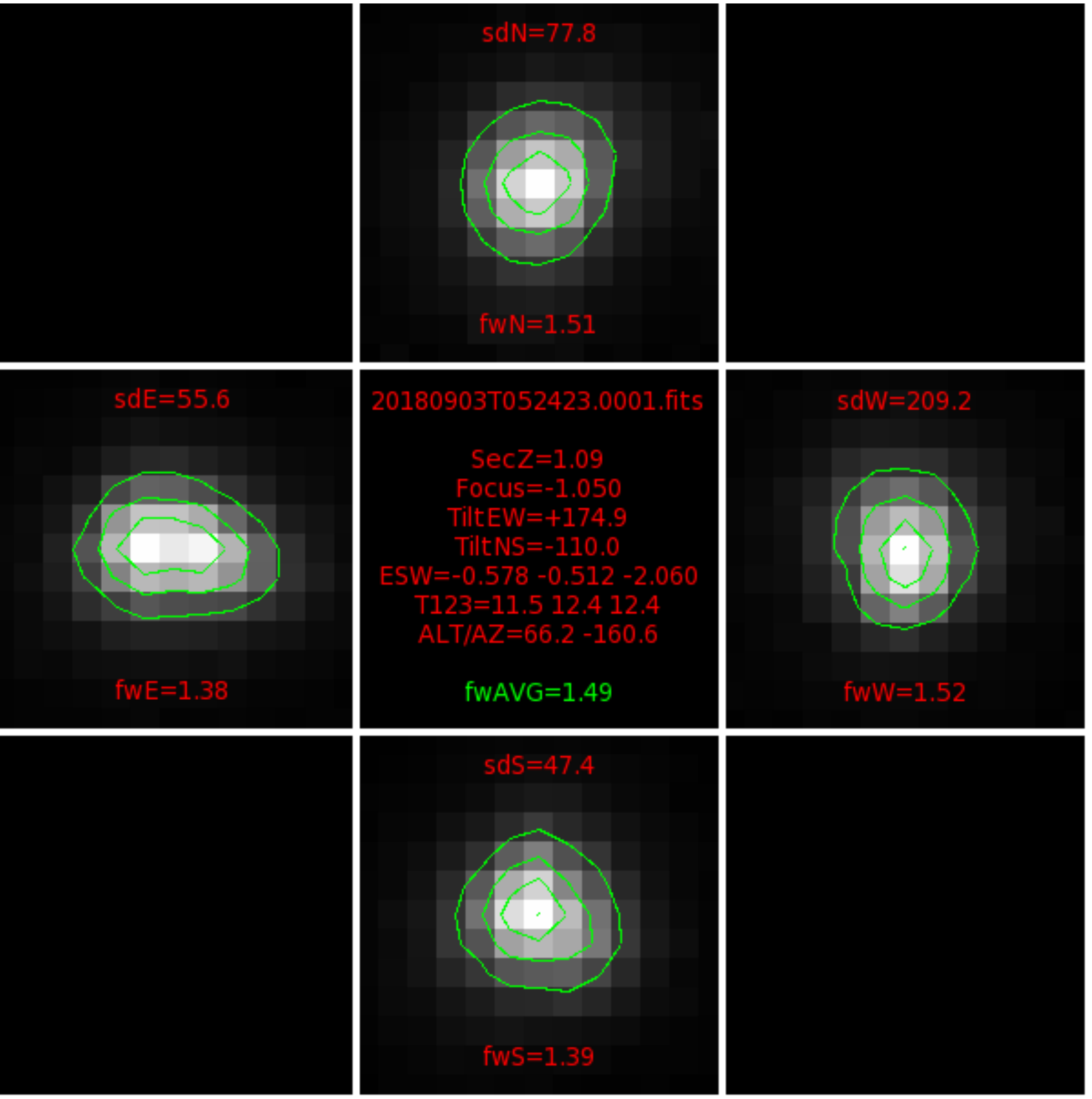
sdN=77.8
fwN=1.51
sdE=55.6
fwE=1.38
20180903T052423.0001.fits
SecZ=1.09
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.4 12.4
ALT/AZ=66.2 -160.6
fwAVG=1.49
sdW=209.2
fwW=1.52
sdS=47.4
fwS=1.39
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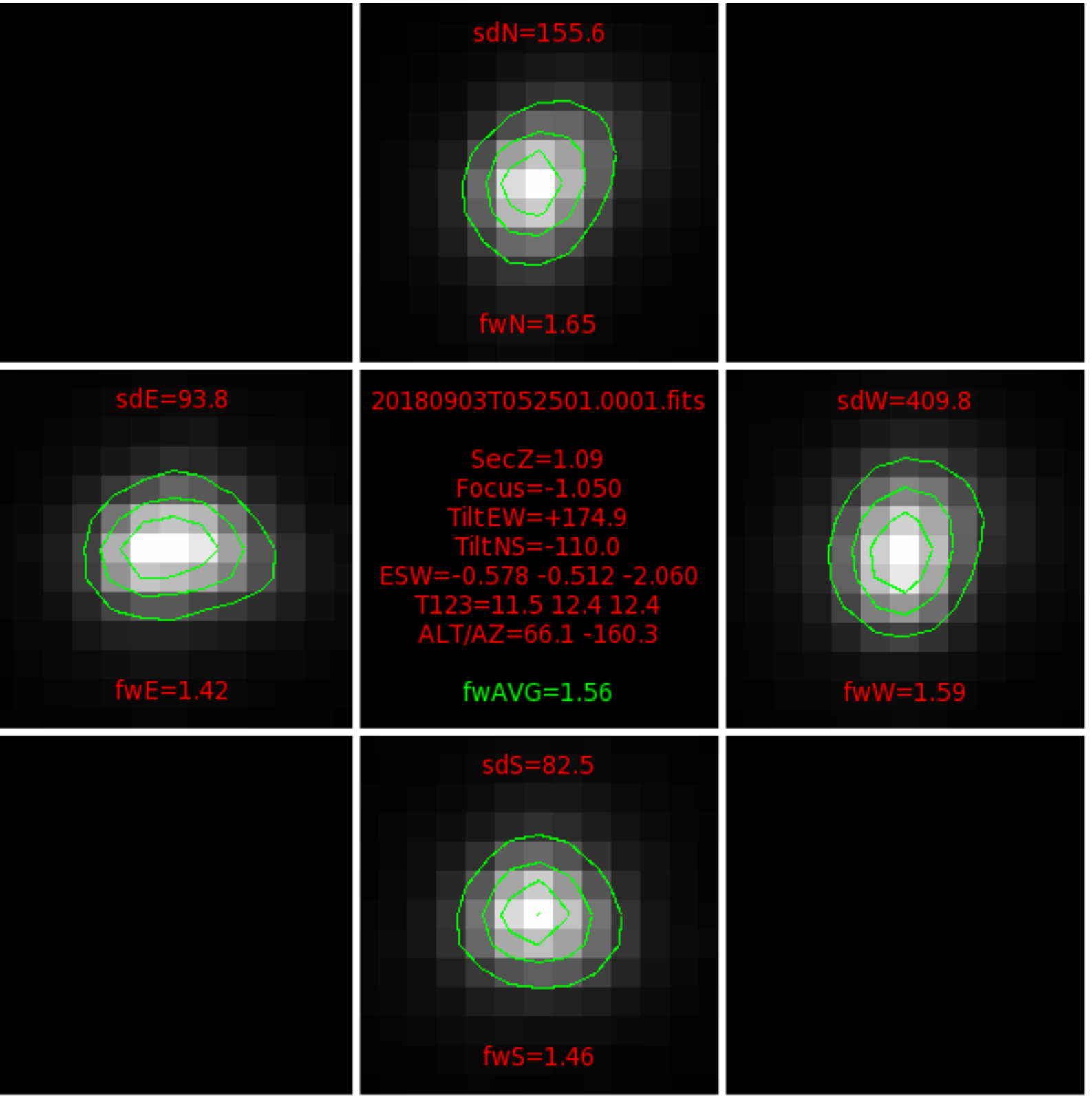
sdN=155.6
fwN=1.65
sdE=93.8
fwE=1.42
20180903T052501.0001.fits
SecZ=1.09
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.4 12.4
ALT/AZ=66.1 -160.3
fwAVG=1.56
sdW=409.8
fwW=1.59
sdS=82.5
fwS=1.46
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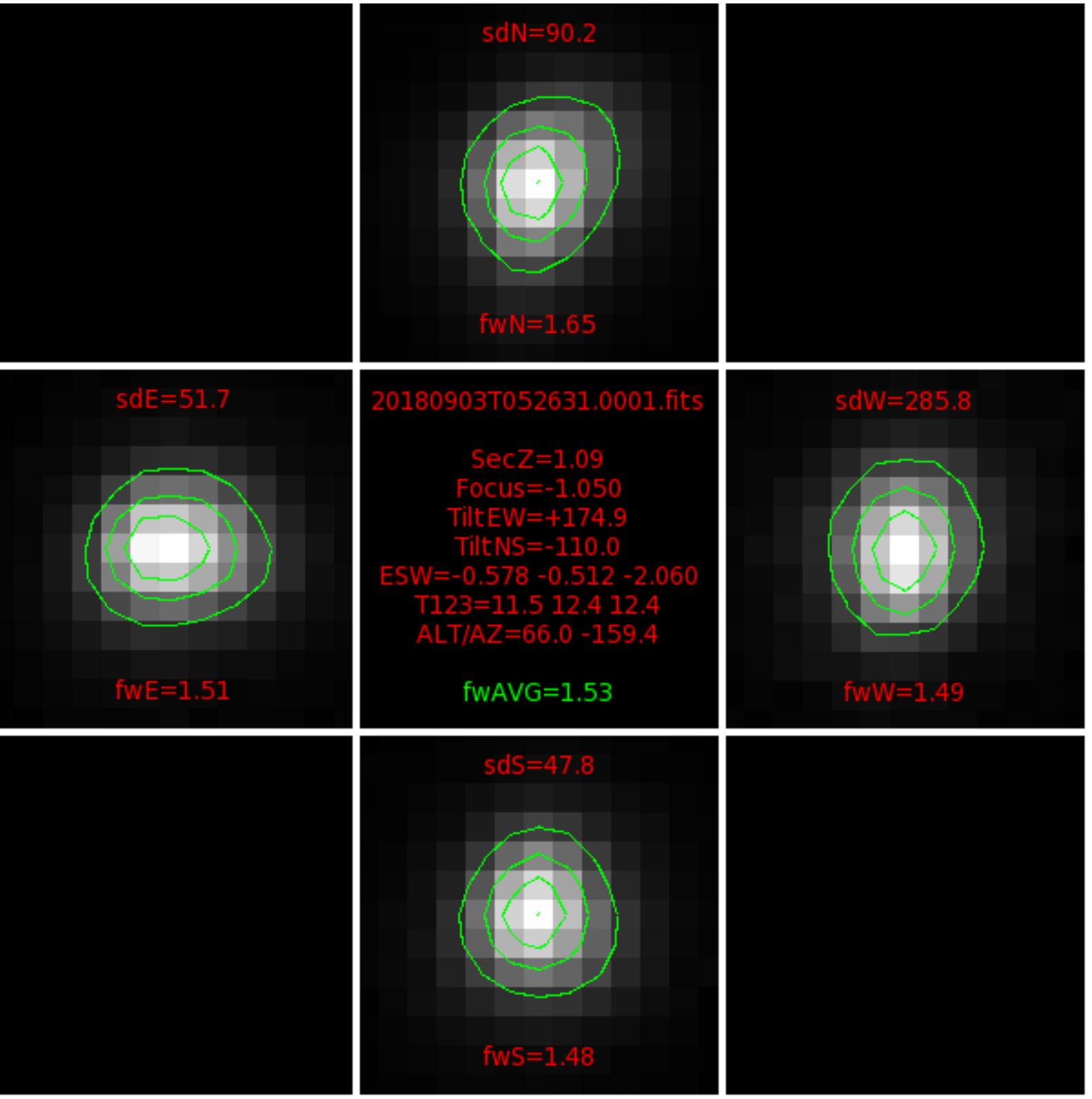
sdN=90.2
fwN=1.65
sdE=51.7
fwE=1.51
20180903T052631.0001.fits
SecZ=1.09
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.4 12.4
ALT/AZ=66.0 -159.4
fwAVG=1.53
sdW=285.8
fwW=1.49
sdS=47.8
fwS=1.48
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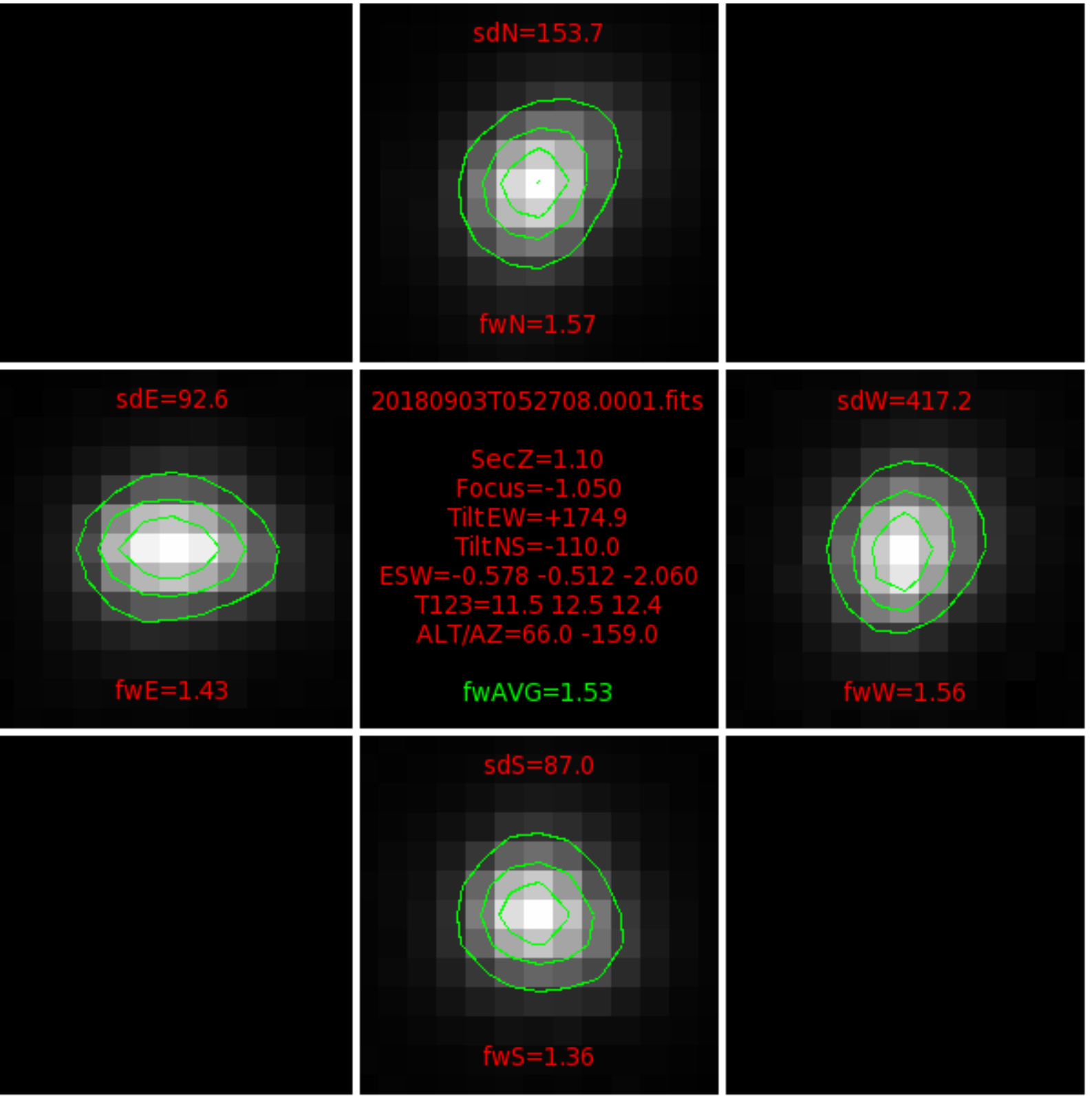
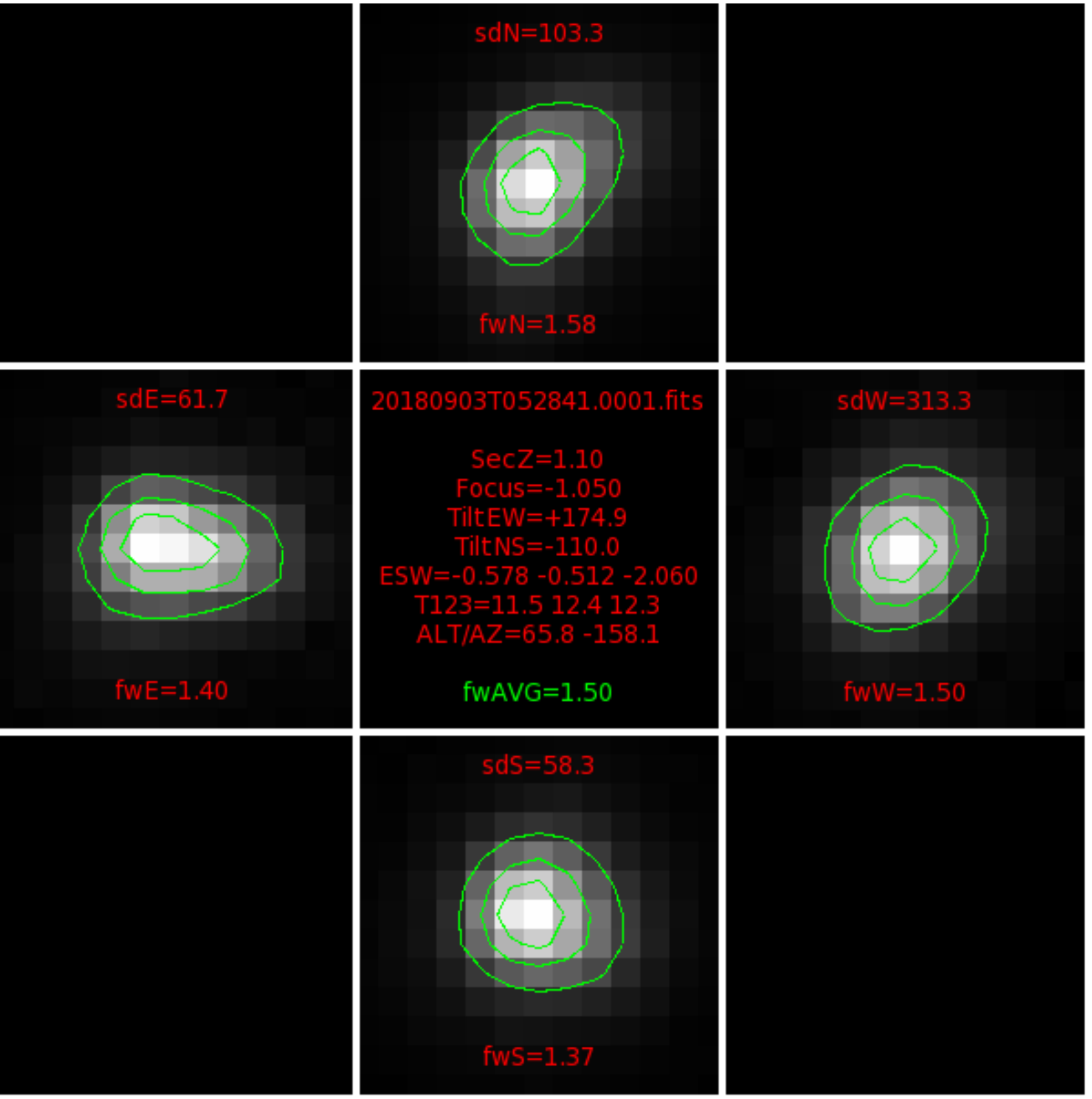
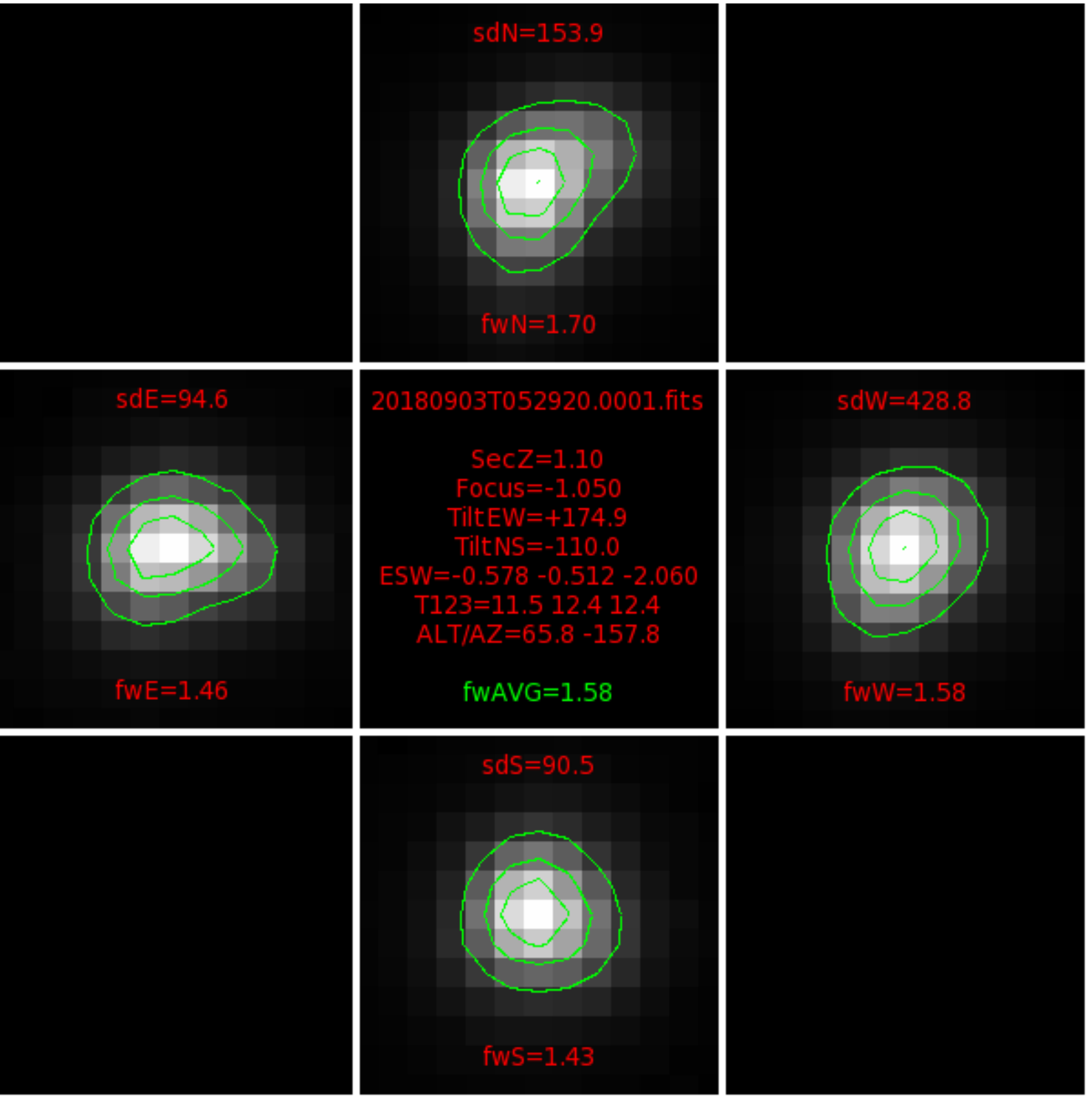
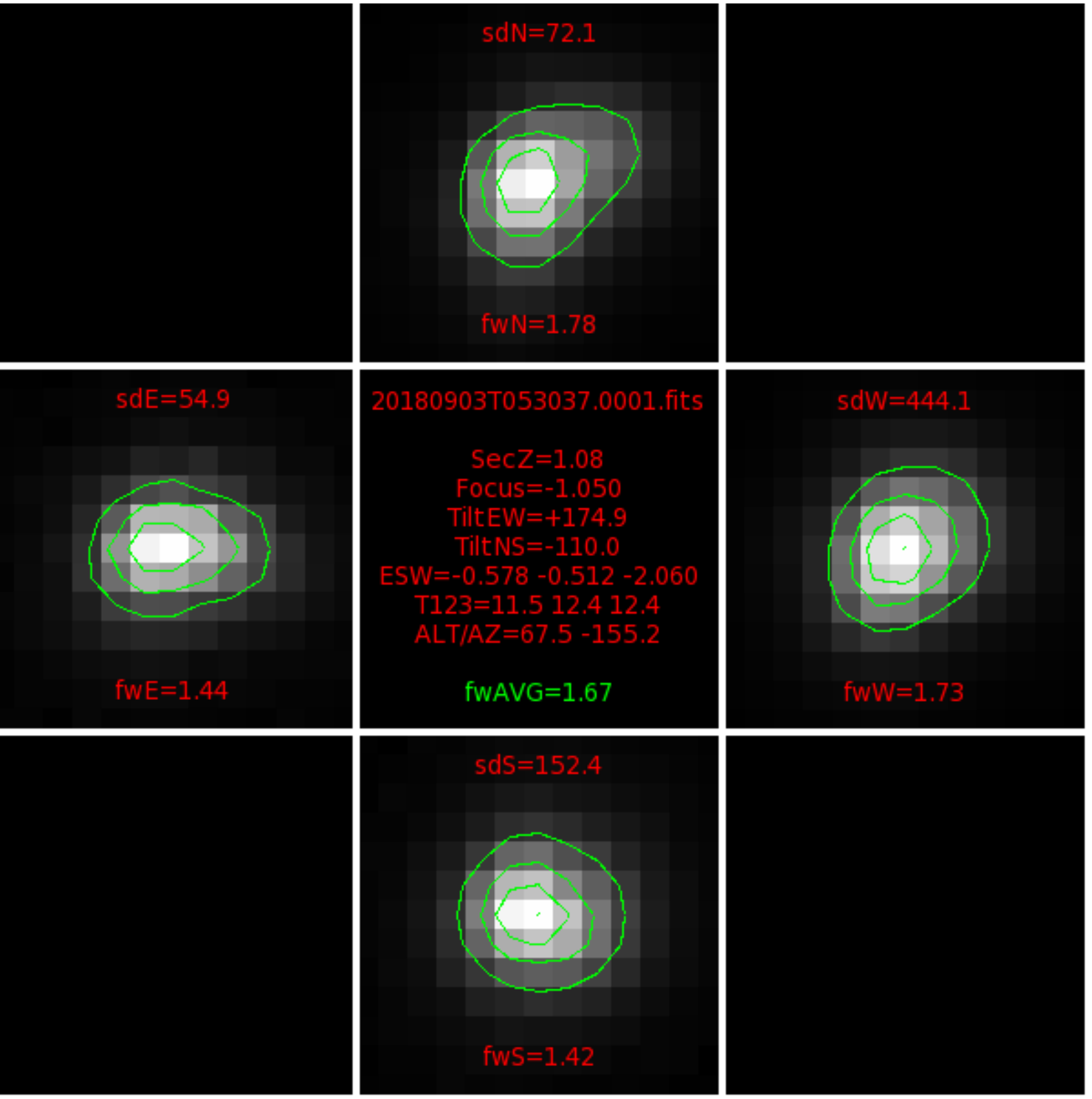
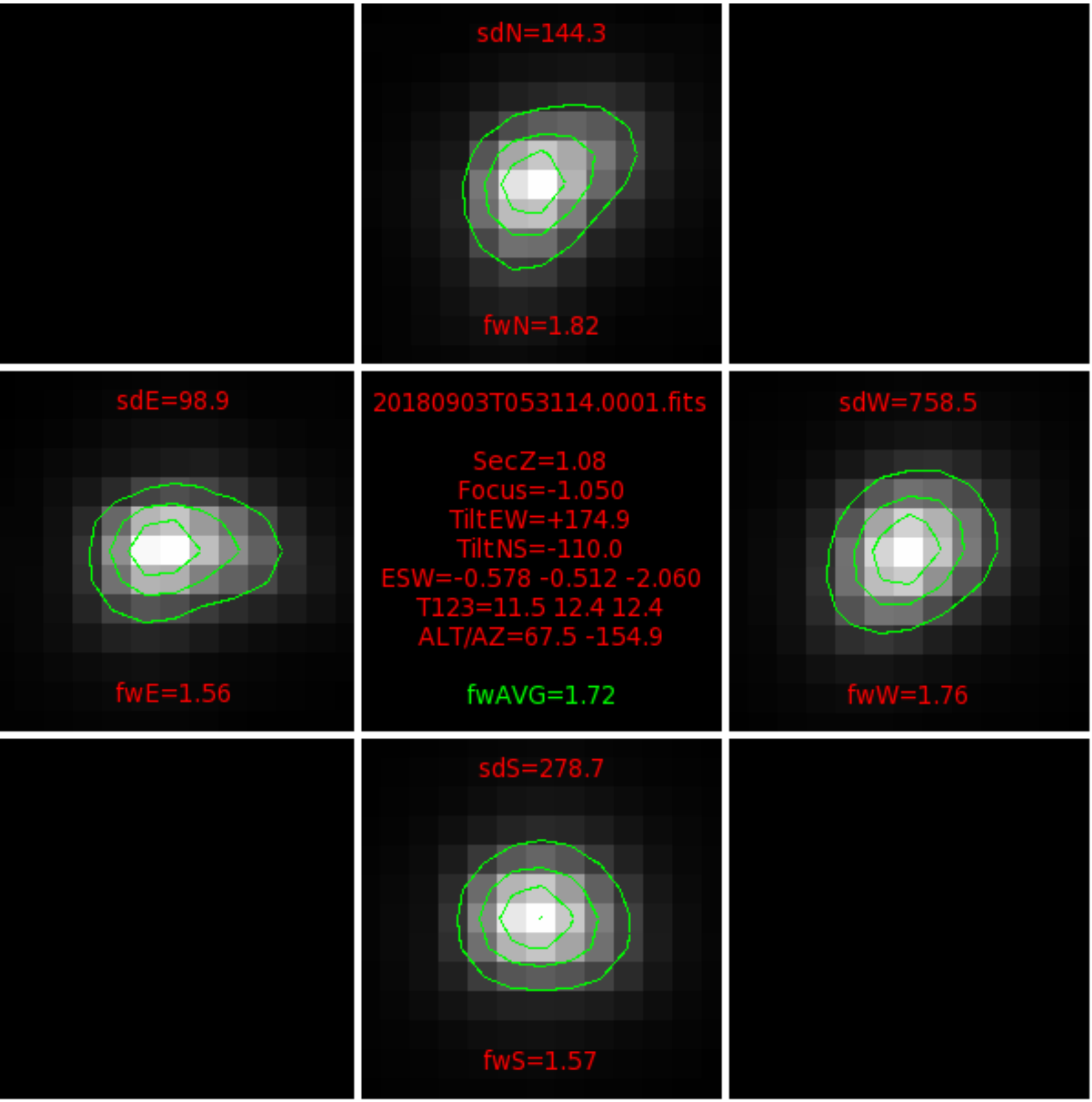
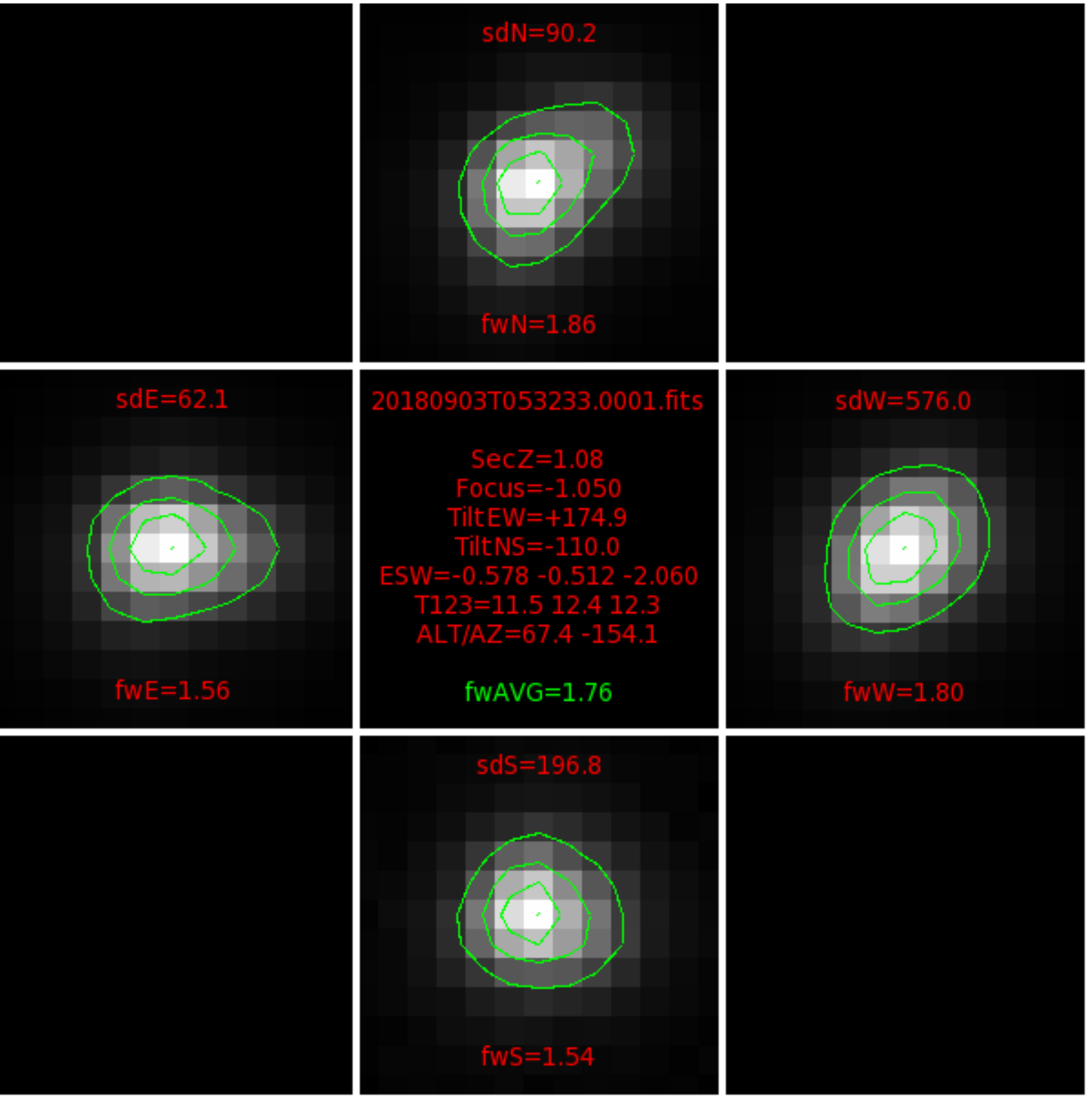

sdN=153.7
fwN=1.57
sdE=92.6
fwE=1.43
20180903T052708.0001.fits
SecZ=1.10
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.5 12.4
ALT/AZ=66.0 -159.0
fwAVG=1.53
sdW=417.2
fwW=1.56
sdS=87.0
fwS=1.36
0 0 0 0 0 0 0 0 0

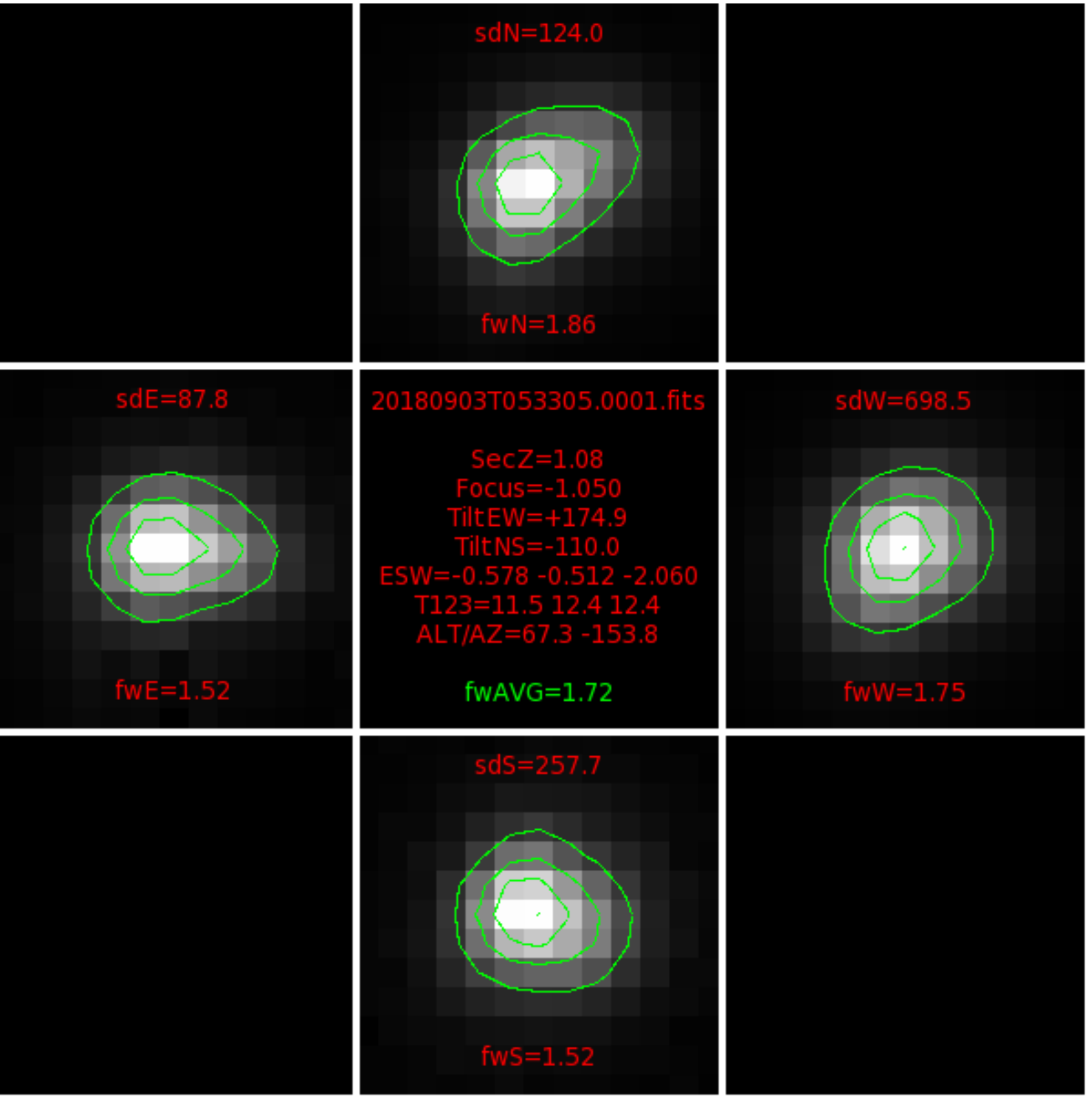

sdN=103.3
fwN=1.58
sdE=61.7
fwE=1.40
20180903T052841.0001.fits
SecZ=1.10
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.4 12.3
ALT/AZ=65.8 -158.1
fwAVG=1.50
sdW=313.3
fwW=1.50
sdS=58.3
fwS=1.37
0 0 0 0 0 0 0 0 0

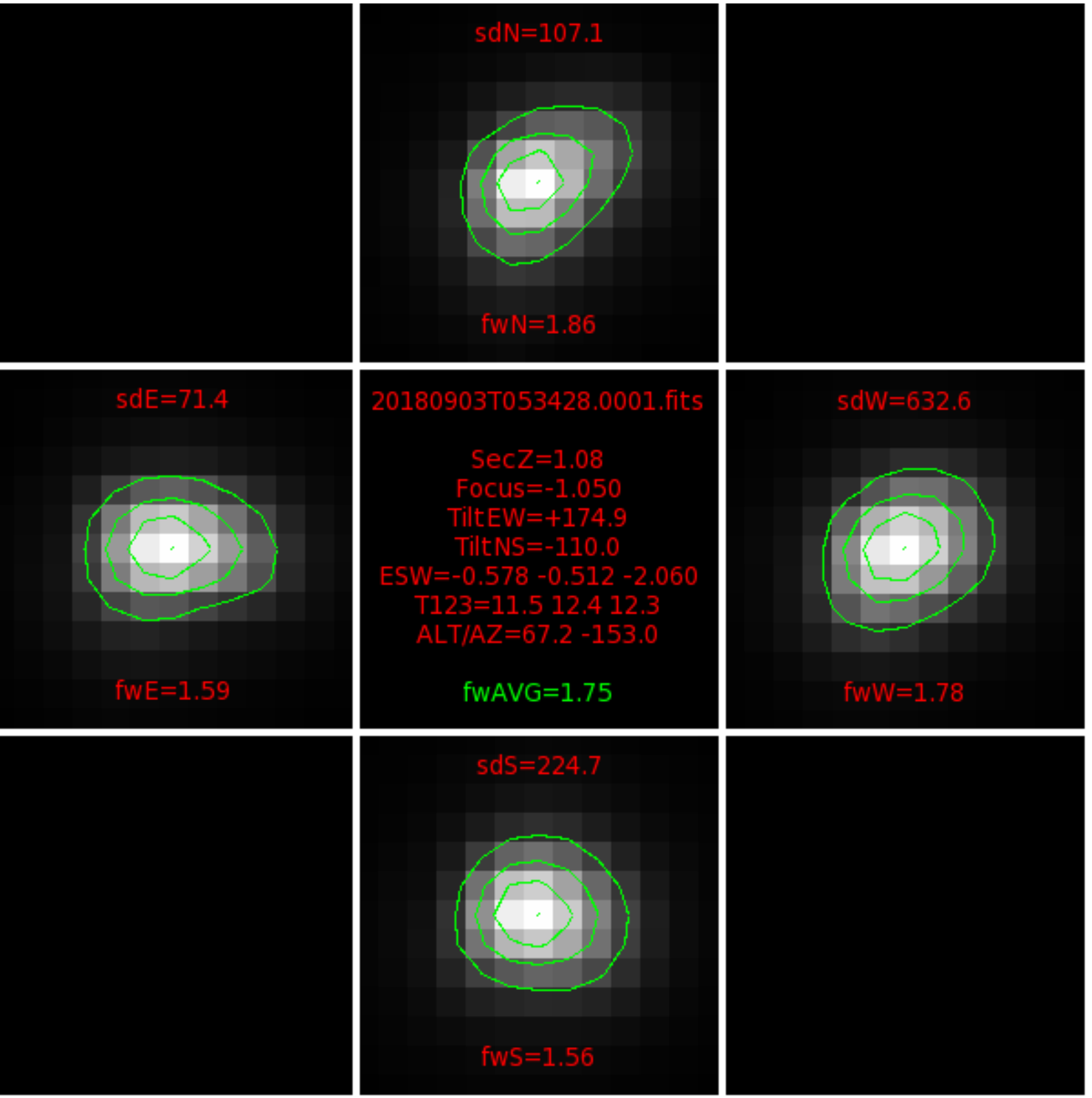

sdN=153.9
fwN=1.70
sdE=94.6
fwE=1.46
20180903T052920.0001.fits
SecZ=1.10
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.4 12.4
ALT/AZ=65.8 -157.8
fwAVG=1.58
sdW=428.8
fwW=1.58
sdS=90.5
fwS=1.43
0 0 0 0 0 0 0 0 0


sdN=72.1
fwN=1.78
sdE=54.9
fwE=1.44
20180903T053037.0001.fits
SecZ=1.08
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.4 12.4
ALT/AZ=67.5 -155.2
fwAVG=1.67
sdW=444.1
fwW=1.73
sdS=152.4
fwS=1.42
0 0 0 0 0 0 0 0 0


sdN=144.3
fwN=1.82
sdE=98.9
fwE=1.56
20180903T053114.0001.fits
SecZ=1.08
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.4 12.4
ALT/AZ=67.5 -154.9
fwAVG=1.72
sdW=758.5
fwW=1.76
sdS=278.7
fwS=1.57
0 0 0 0 0 0 0 0 0


sdN=90.2
fwN=1.86
sdE=62.1
fwE=1.56
20180903T053233.0001.fits
SecZ=1.08
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.4 12.3
ALT/AZ=67.4 -154.1
fwAVG=1.76
sdW=576.0
fwW=1.80
sdS=196.8
fwS=1.54
0 0 0 0 0 0 0 0 0


sdN=124.0
fwN=1.86
sdE=87.8
fwE=1.52
20180903T053305.0001.fits
SecZ=1.08
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.4 12.4
ALT/AZ=67.3 -153.8
fwAVG=1.72
sdW=698.5
fwW=1.75
sdS=257.7
fwS=1.52
0 0 0 0 0 0 0 0 0


sdN=107.1
fwN=1.86
sdE=71.4
fwE=1.59
20180903T053428.0001.fits
SecZ=1.08
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.4 12.3
ALT/AZ=67.2 -153.0
fwAVG=1.75
sdW=632.6
fwW=1.78
sdS=224.7
fwS=1.56
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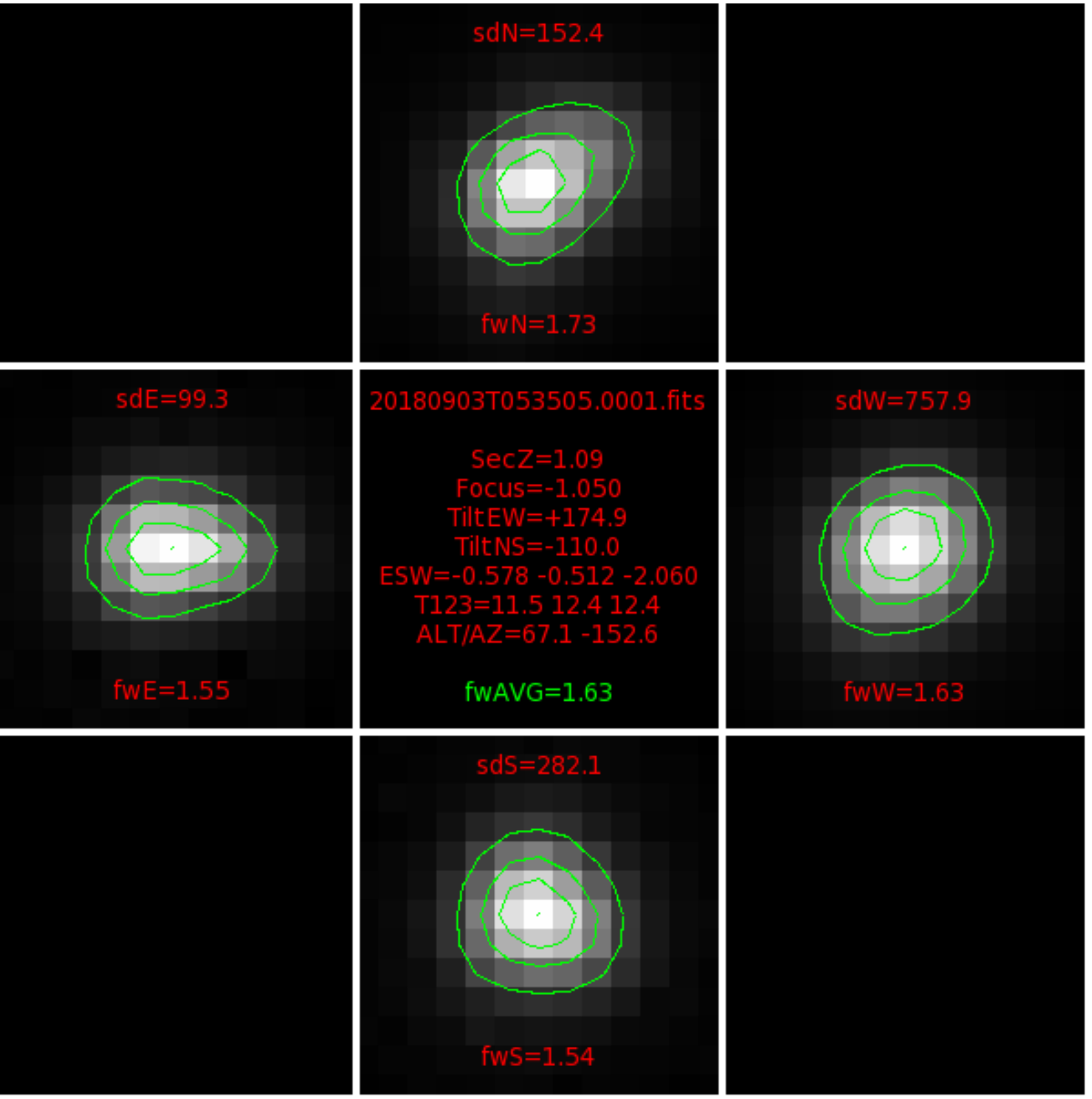
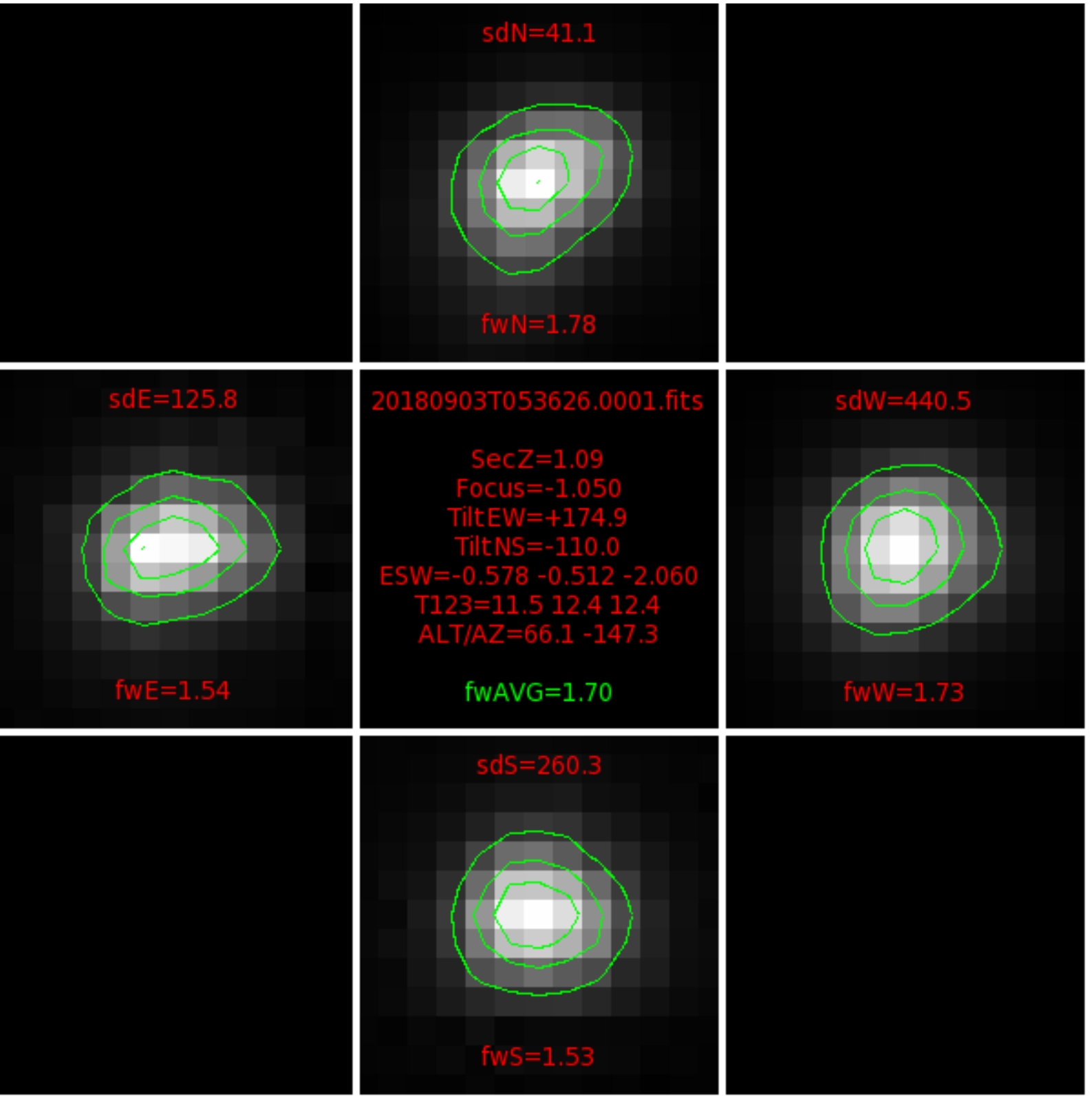
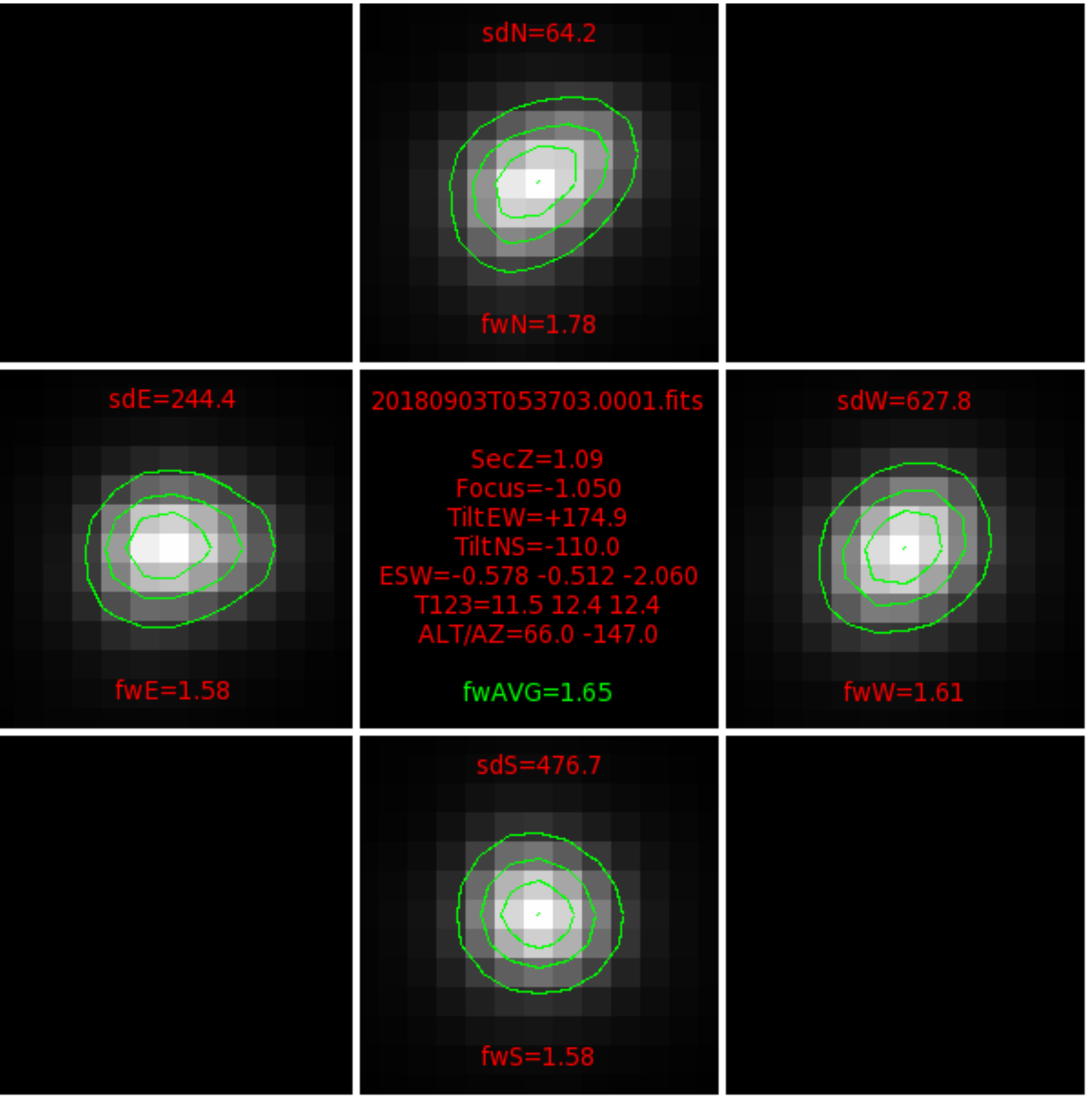

sdN=152.4
fwN=1.73
sdE=99.3
fwE=1.55
20180903T053505.0001.fits
SecZ=1.09
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.4 12.4
ALT/AZ=67.1 -152.6
fwAVG=1.63
sdW=757.9
fwW=1.63
sdS=282.1
fwS=1.54
0 0 0 0 0 0 0 0 0


sdN=41.1
fwN=1.78
sdE=125.8
fwE=1.54
20180903T053626.0001.fits
SecZ=1.09
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.4 12.4
ALT/AZ=66.1 -147.3
fwAVG=1.70
sdW=440.5
fwW=1.73
sdS=260.3
fwS=1.53
0 0 0 0 0 0 0 0 0


sdN=64.2
fwN=1.78
sdE=244.4
fwE=1.58
20180903T053703.0001.fits
SecZ=1.09
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.4 12.4
ALT/AZ=66.0 -147.0
fwAVG=1.65
sdW=627.8
fwW=1.61
sdS=476.7
fwS=1.58
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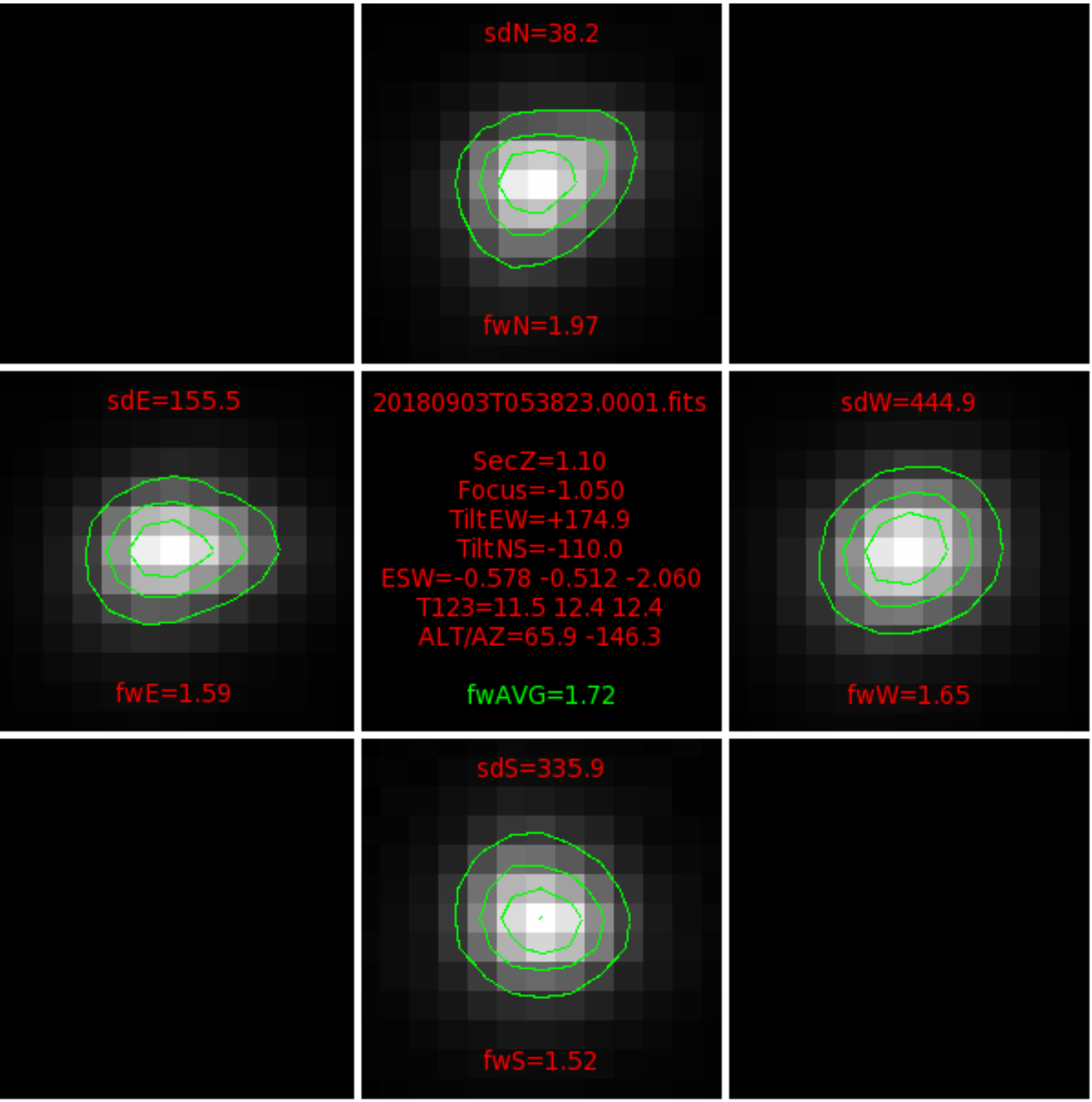
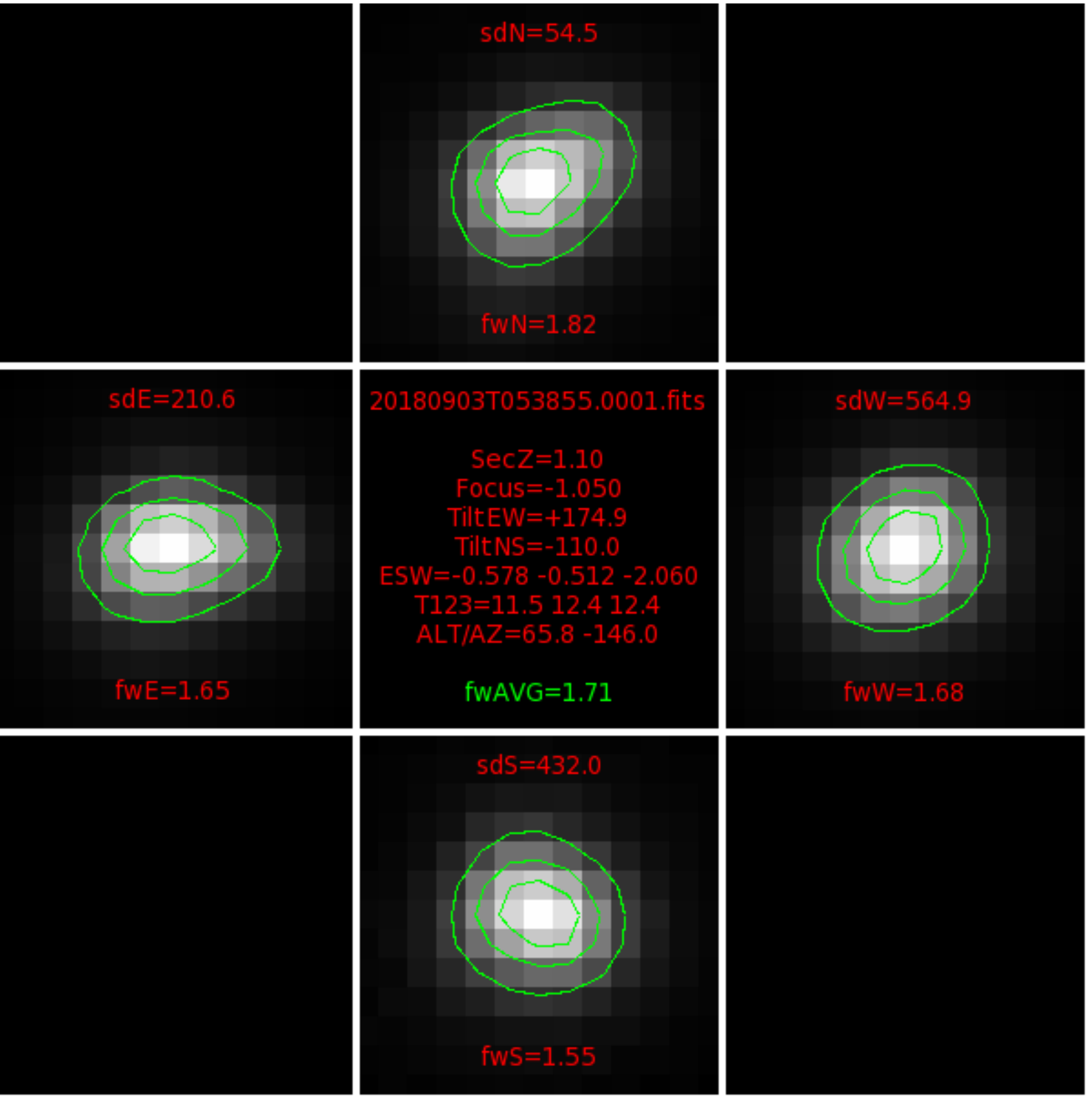

sdN=38.2
fwN=1.97
sdE=155.5
fwE=1.59
20180903T053823.0001.fits
SecZ=1.10
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.4 12.4
ALT/AZ=65.9 -146.3
fwAVG=1.72
sdW=444.9
fwW=1.65
sdS=335.9
fwS=1.52
0 0 0 0 0 0 0 0 0


sdN=54.5
fwN=1.82
sdE=210.6
fwE=1.65
20180903T053855.0001.fits
SecZ=1.10
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.4 12.4
ALT/AZ=65.8 -146.0
fwAVG=1.71
sdW=564.9
fwW=1.68
sdS=432.0
fwS=1.55
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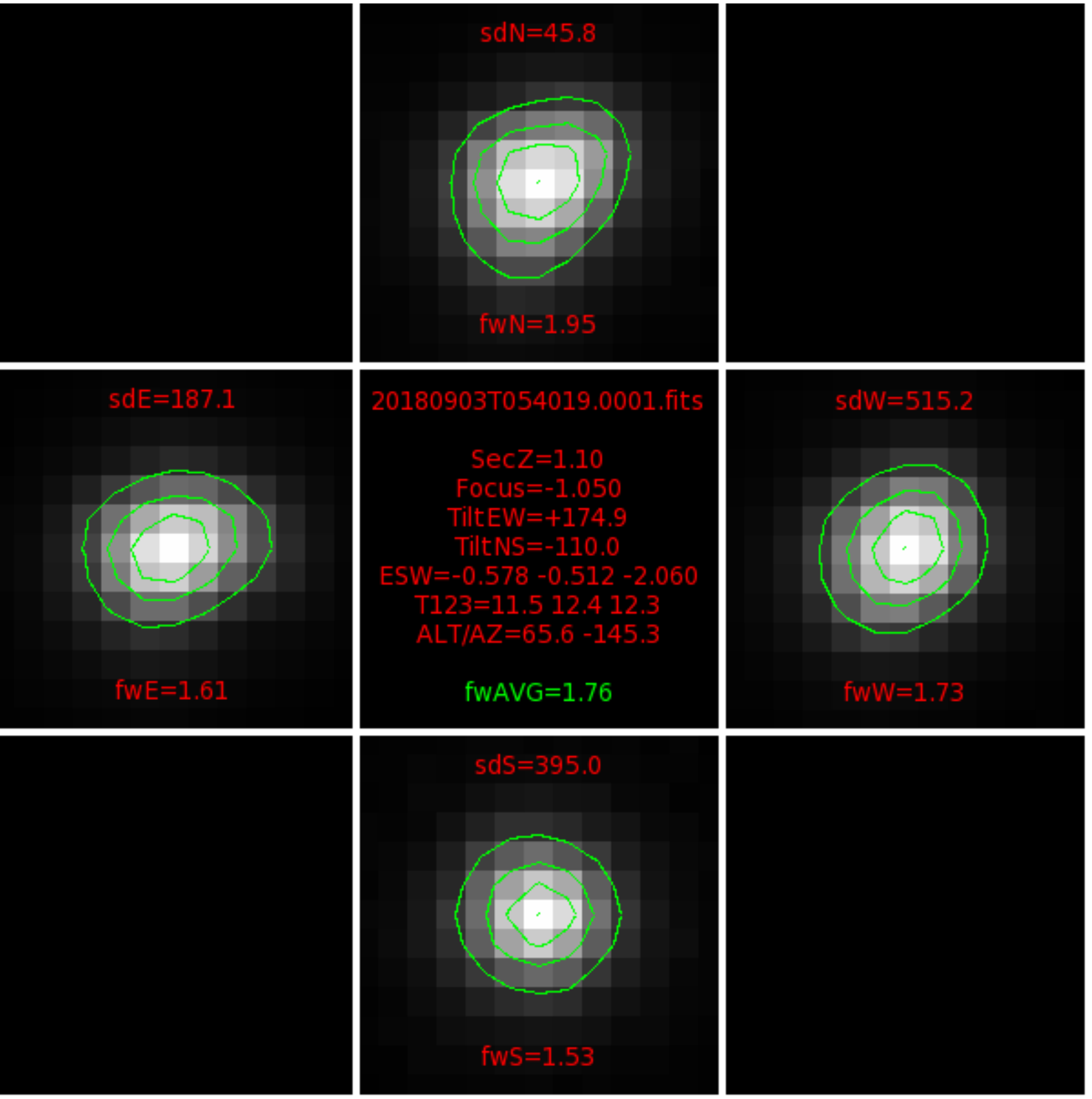
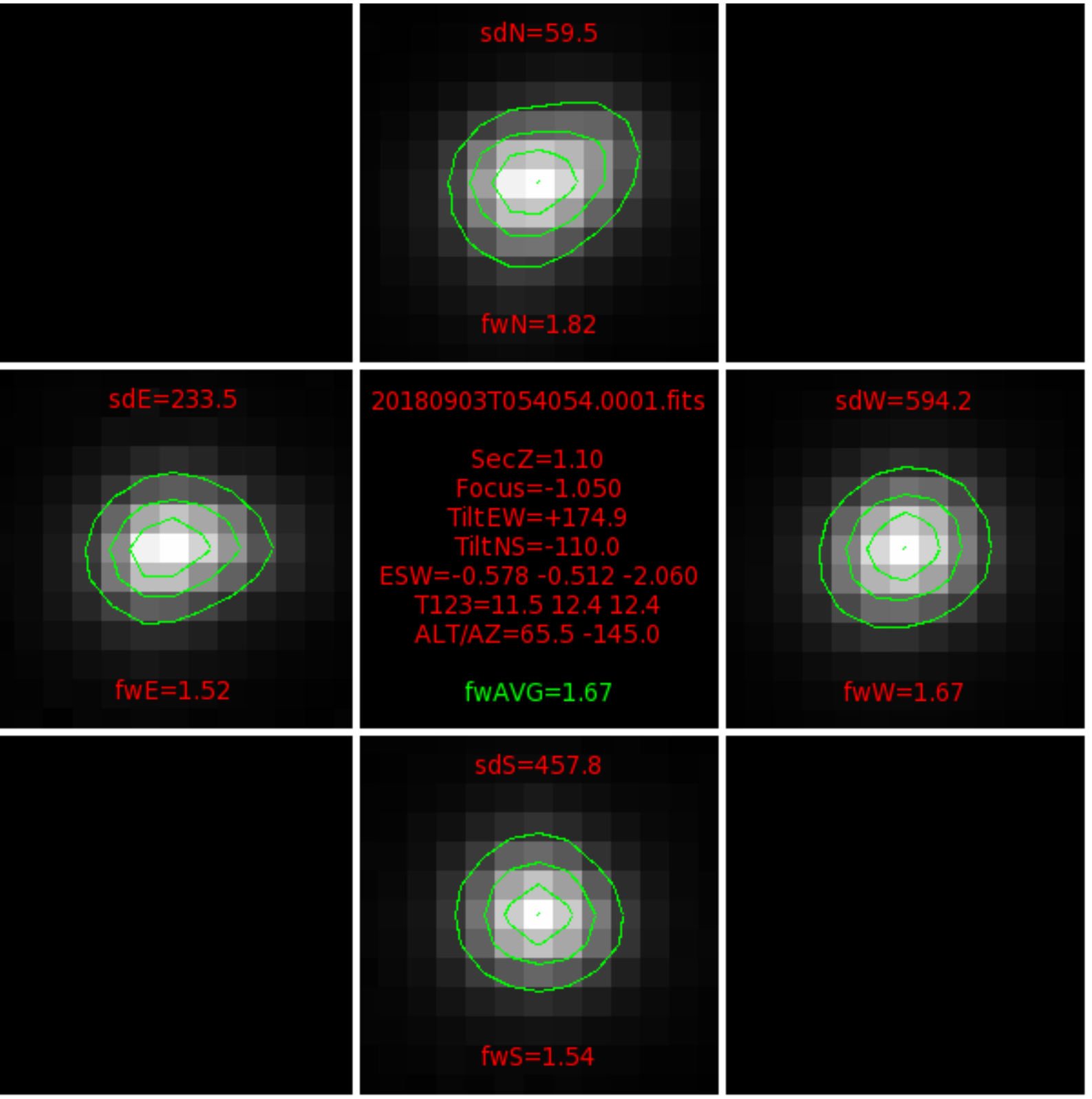
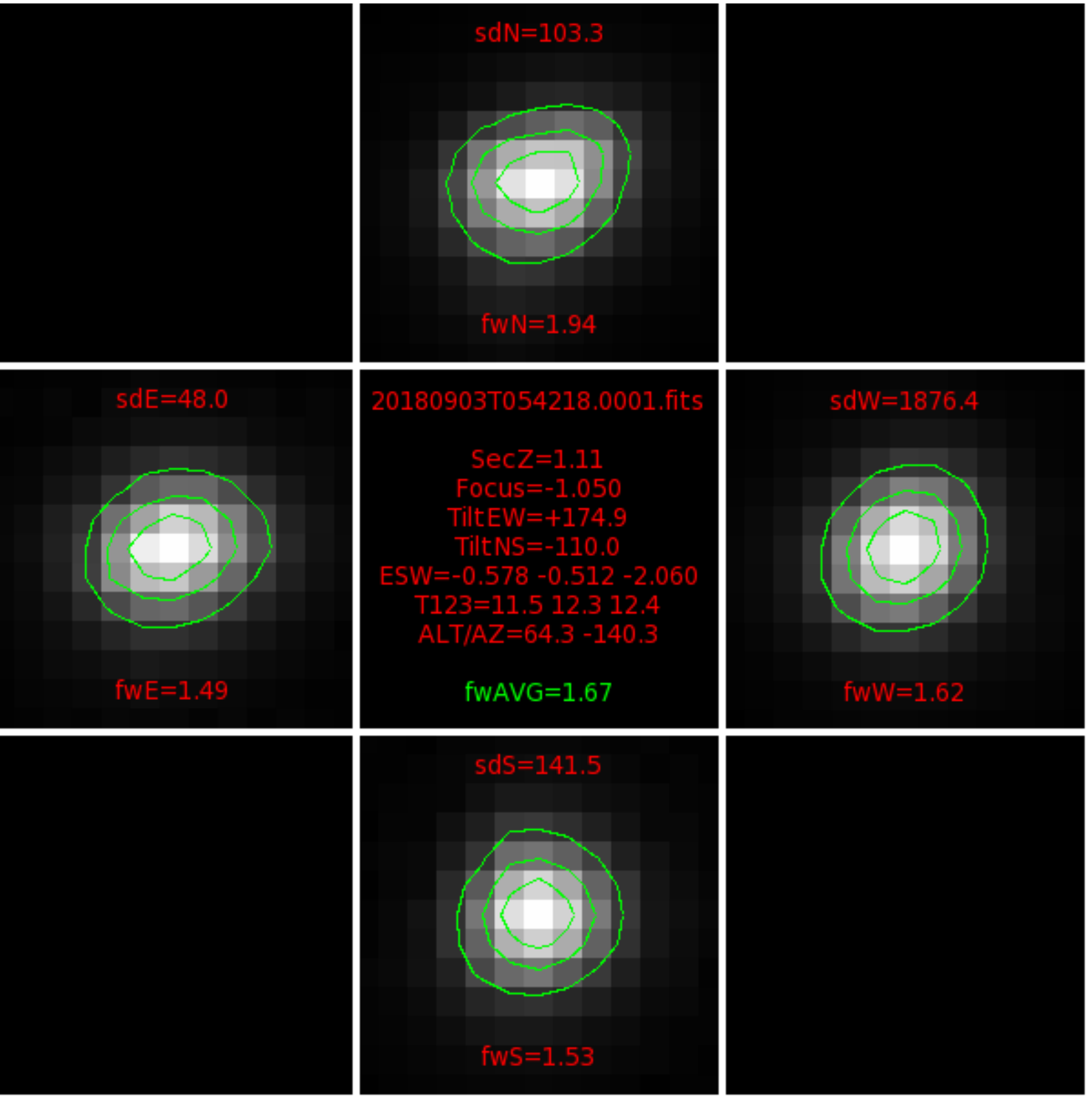
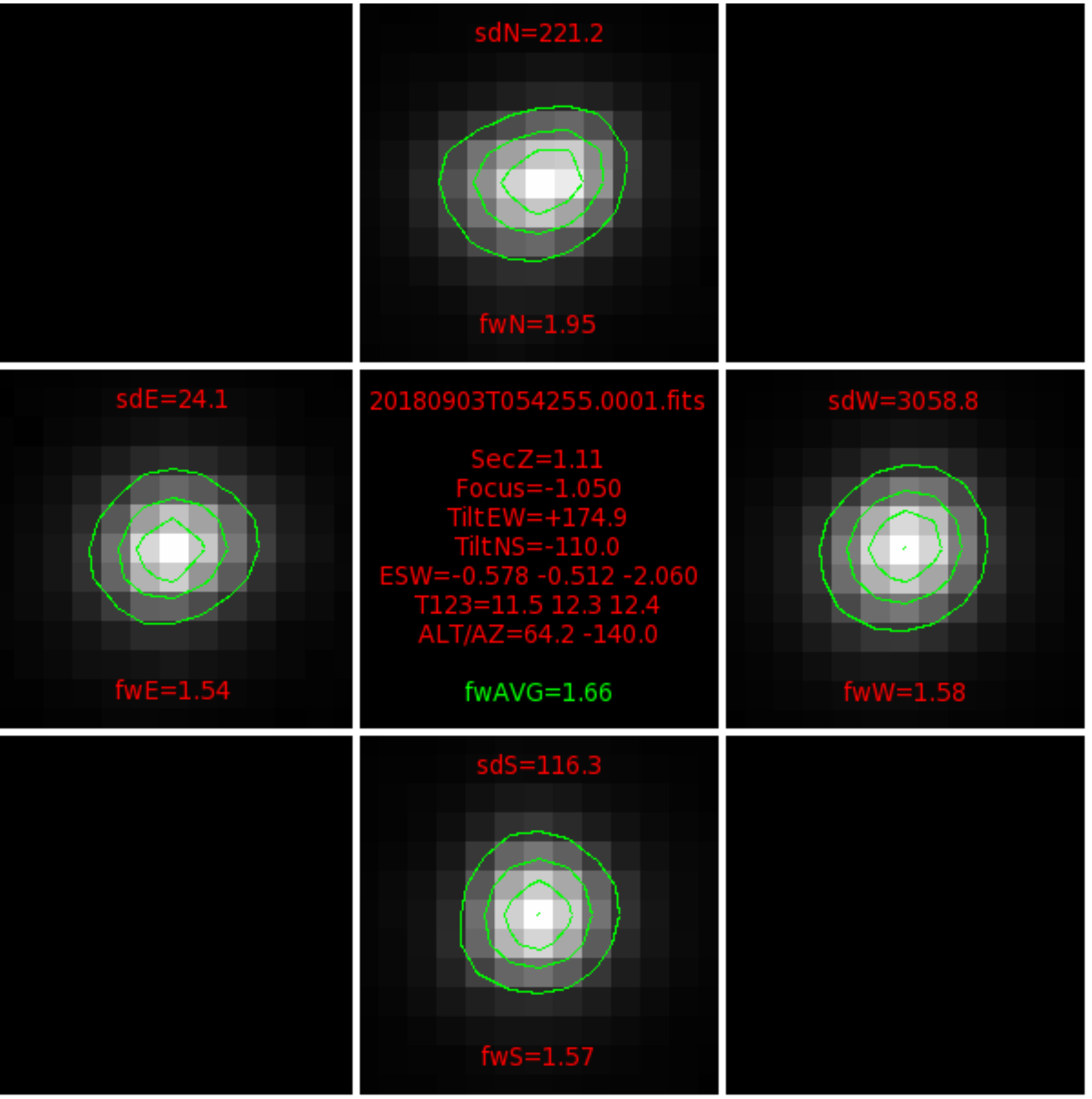
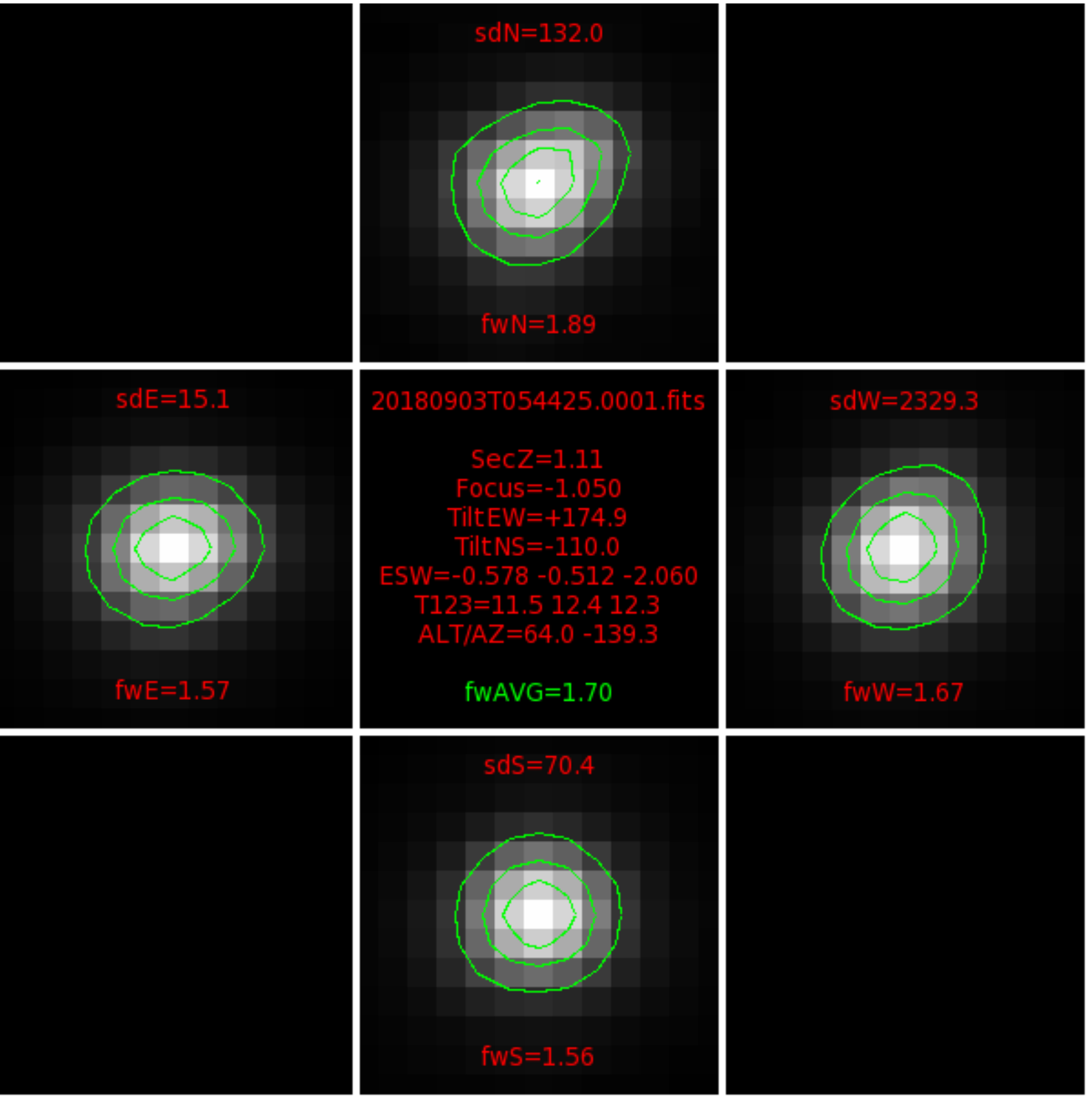
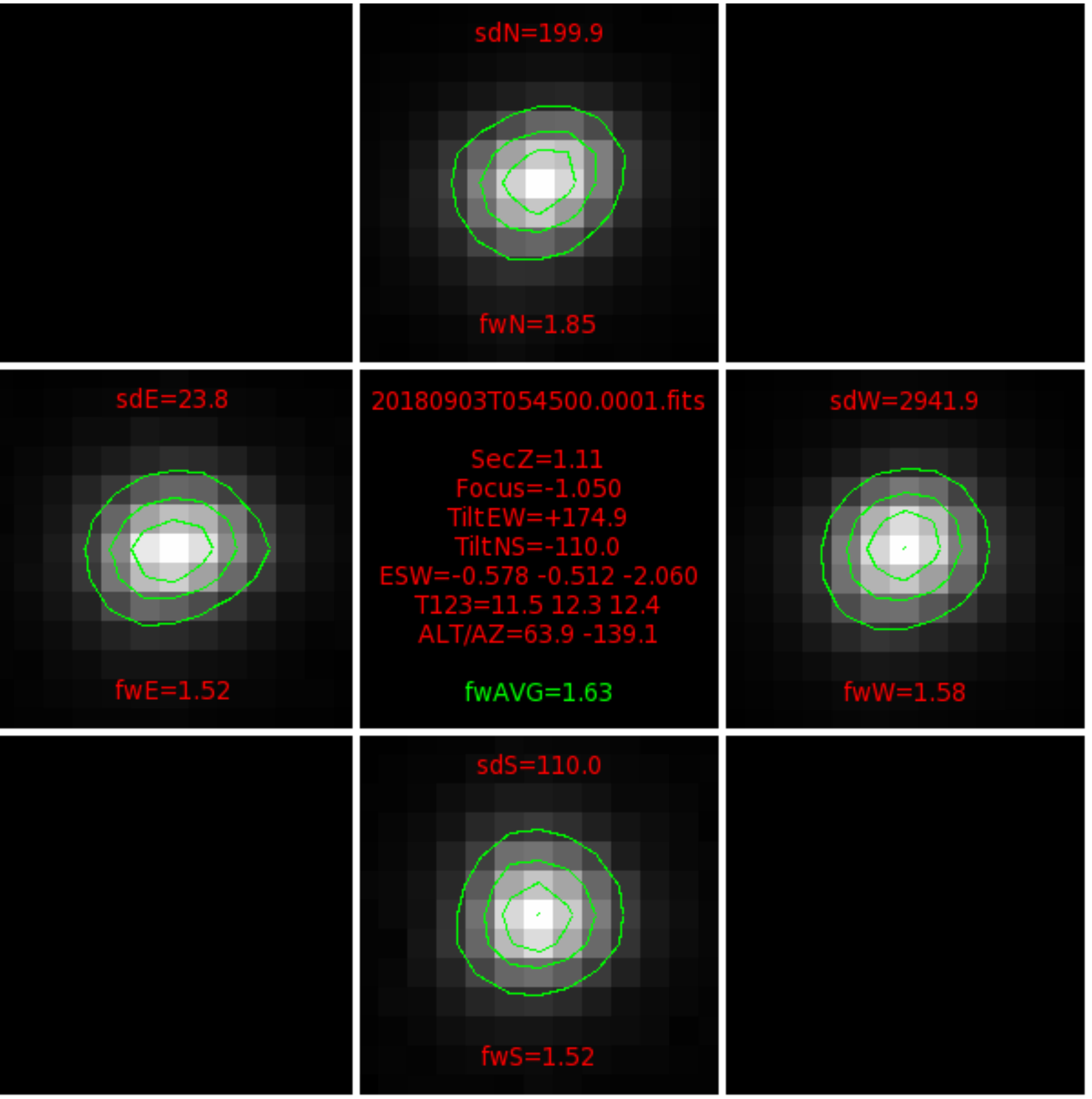

sdN=45.8
fwN=1.95
sdE=187.1
fwE=1.61
20180903T054019.0001.fits
SecZ=1.10
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.4 12.3
ALT/AZ=65.6 -145.3
fwAVG=1.76
sdW=515.2
fwW=1.73
sdS=395.0
fwS=1.53
0 0 0 0 0 0 0 0 0

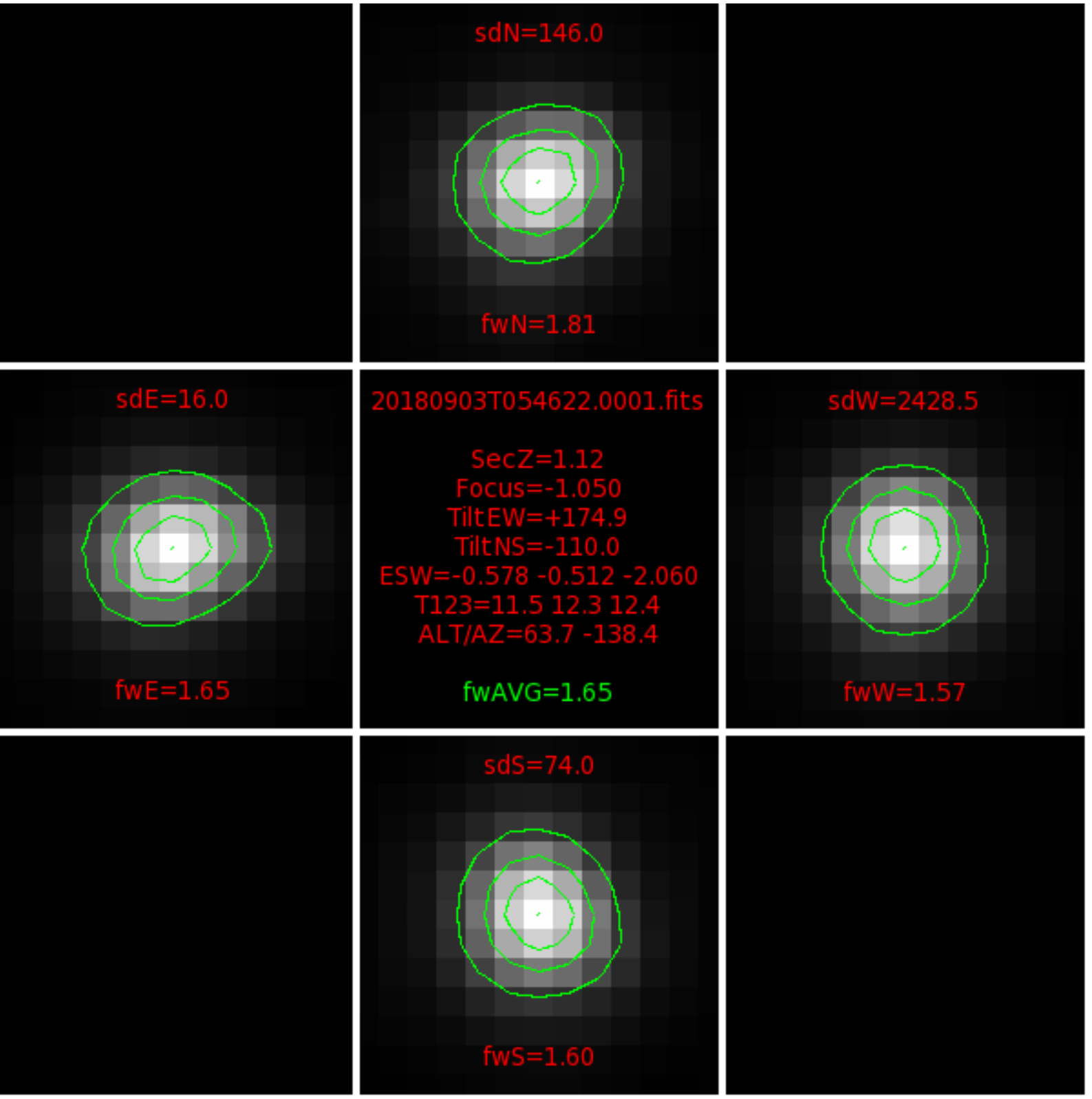

sdN=59.5
fwN=1.82
sdE=233.5
fwE=1.52
20180903T054054.0001.fits
SecZ=1.10
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.4 12.4
ALT/AZ=65.5 -145.0
fwAVG=1.67
sdW=594.2
fwW=1.67
sdS=457.8
fwS=1.54
0 0 0 0 0 0 0 0 0

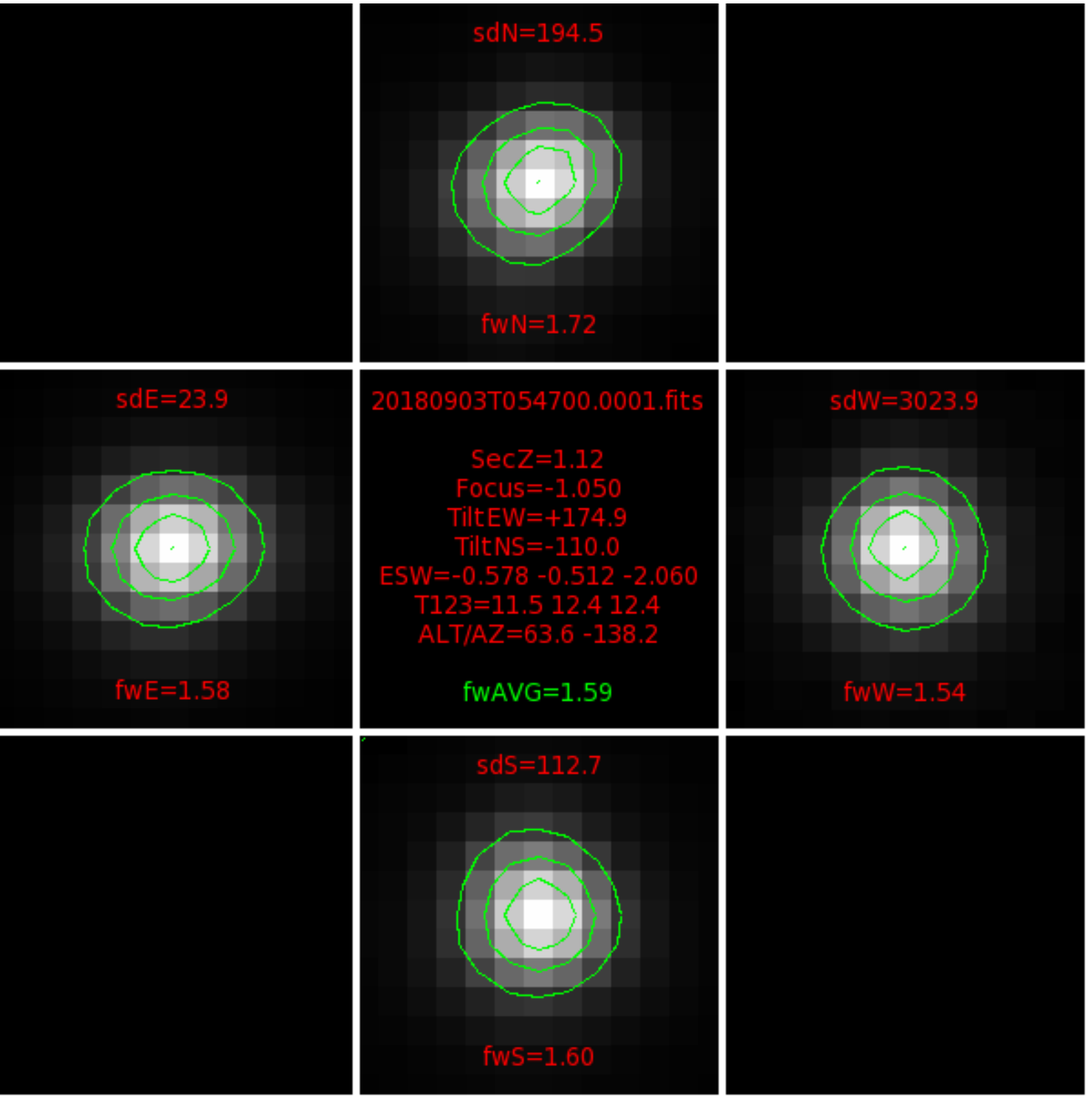

sdN=103.3
fwN=1.94
sdE=48.0
fwE=1.49
20180903T054218.0001.fits
SecZ=1.11
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.3 12.4
ALT/AZ=64.3 -140.3
fwAVG=1.67
sdW=1876.4
fwW=1.62
sdS=141.5
fwS=1.53
0 0 0 0 0 0 0 0 0

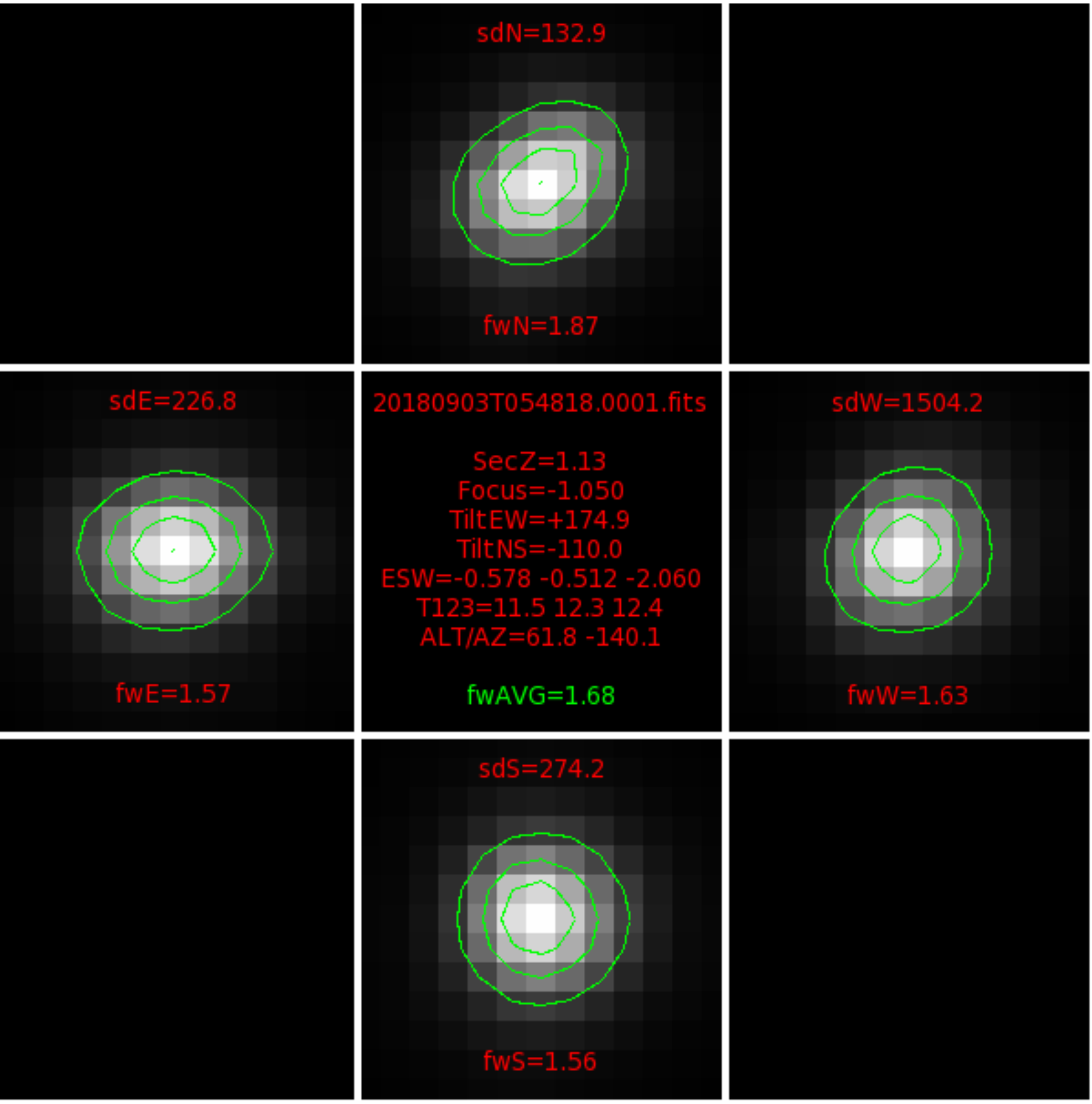

sdN=221.2
fwN=1.95
sdE=24.1
fwE=1.54
20180903T054255.0001.fits
SecZ=1.11
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.3 12.4
ALT/AZ=64.2 -140.0
fwAVG=1.66
sdW=3058.8
fwW=1.58
sdS=116.3
fwS=1.57
0 0 0 0 0 0 0 0 0


sdN=132.0
fwN=1.89
sdE=15.1
fwE=1.57
20180903T054425.0001.fits
SecZ=1.11
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.4 12.3
ALT/AZ=64.0 -139.3
fwAVG=1.70
sdW=2329.3
fwW=1.67
sdS=70.4
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=199.9
fwN=1.85
sdE=23.8
fwE=1.52
20180903T054500.0001.fits
SecZ=1.11
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.3 12.4
ALT/AZ=63.9 -139.1
fwAVG=1.63
sdW=2941.9
fwW=1.58
sdS=110.0
fwS=1.52
0 0 0 0 0 0 0 0 0


sdN=146.0
fwN=1.81
sdE=16.0
fwE=1.65
20180903T054622.0001.fits
SecZ=1.12
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.3 12.4
ALT/AZ=63.7 -138.4
fwAVG=1.65
sdW=2428.5
fwW=1.57
sdS=74.0
fwS=1.60
0 0 0 0 0 0 0 0 0


sdN=194.5
fwN=1.72
sdE=23.9
fwE=1.58
20180903T054700.0001.fits
SecZ=1.12
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.4 12.4
ALT/AZ=63.6 -138.2
fwAVG=1.59
sdW=3023.9
fwW=1.54
sdS=112.7
fwS=1.60
0 0 0 0 0 0 0 0 0


sdN=132.9
fwN=1.87
sdE=226.8
fwE=1.57
20180903T054818.0001.fits
SecZ=1.13
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.3 12.4
ALT/AZ=61.8 -140.1
fwAVG=1.68
sdW=1504.2
fwW=1.63
sdS=274.2
fwS=1.56
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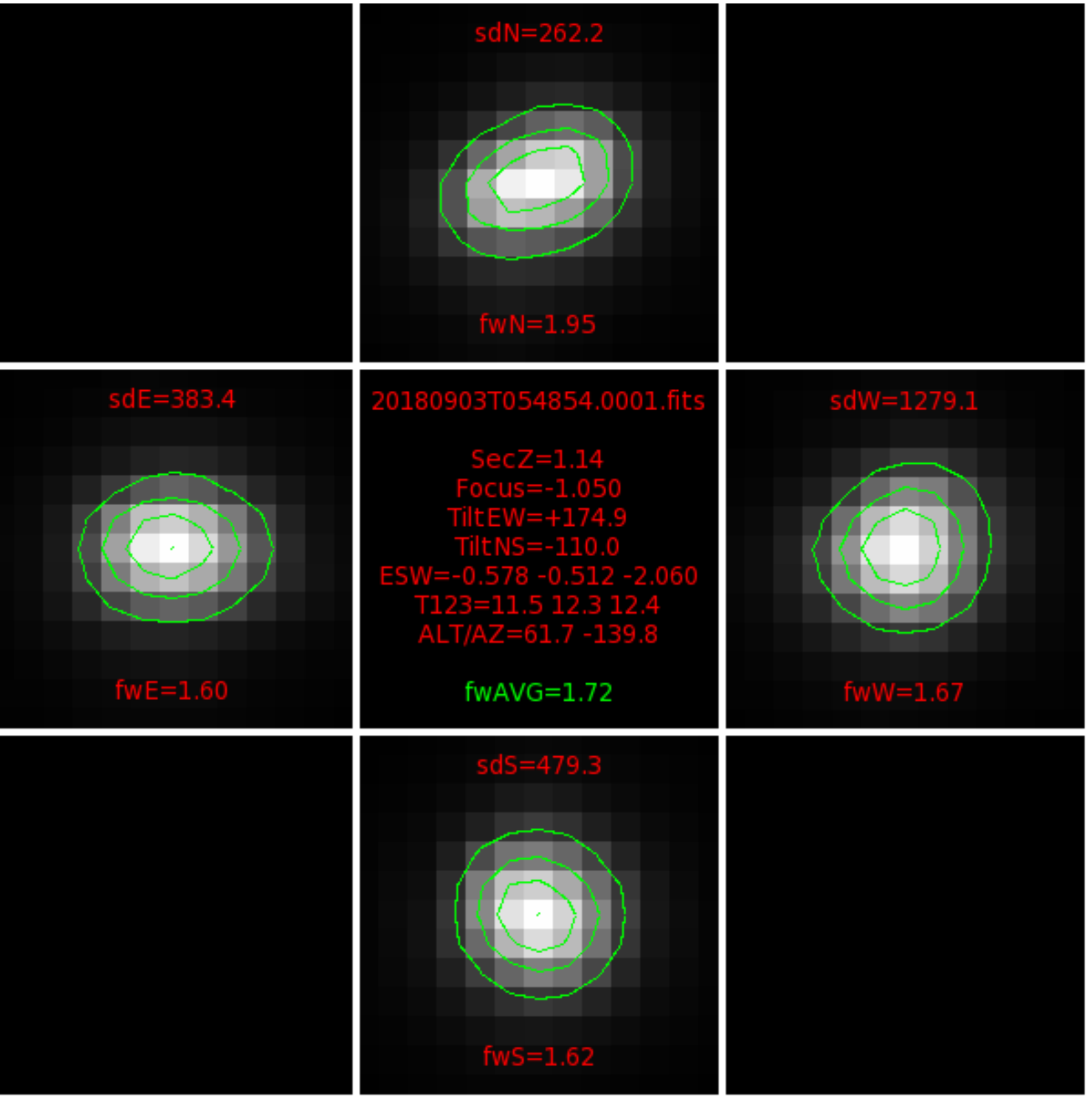
sdN=262.2
fwN=1.95
sdE=383.4
fwE=1.60
20180903T054854.0001.fits
SecZ=1.14
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.3 12.4
ALT/AZ=61.7 -139.8
fwAVG=1.72
sdW=1279.1
fwW=1.67
sdS=479.3
fwS=1.62
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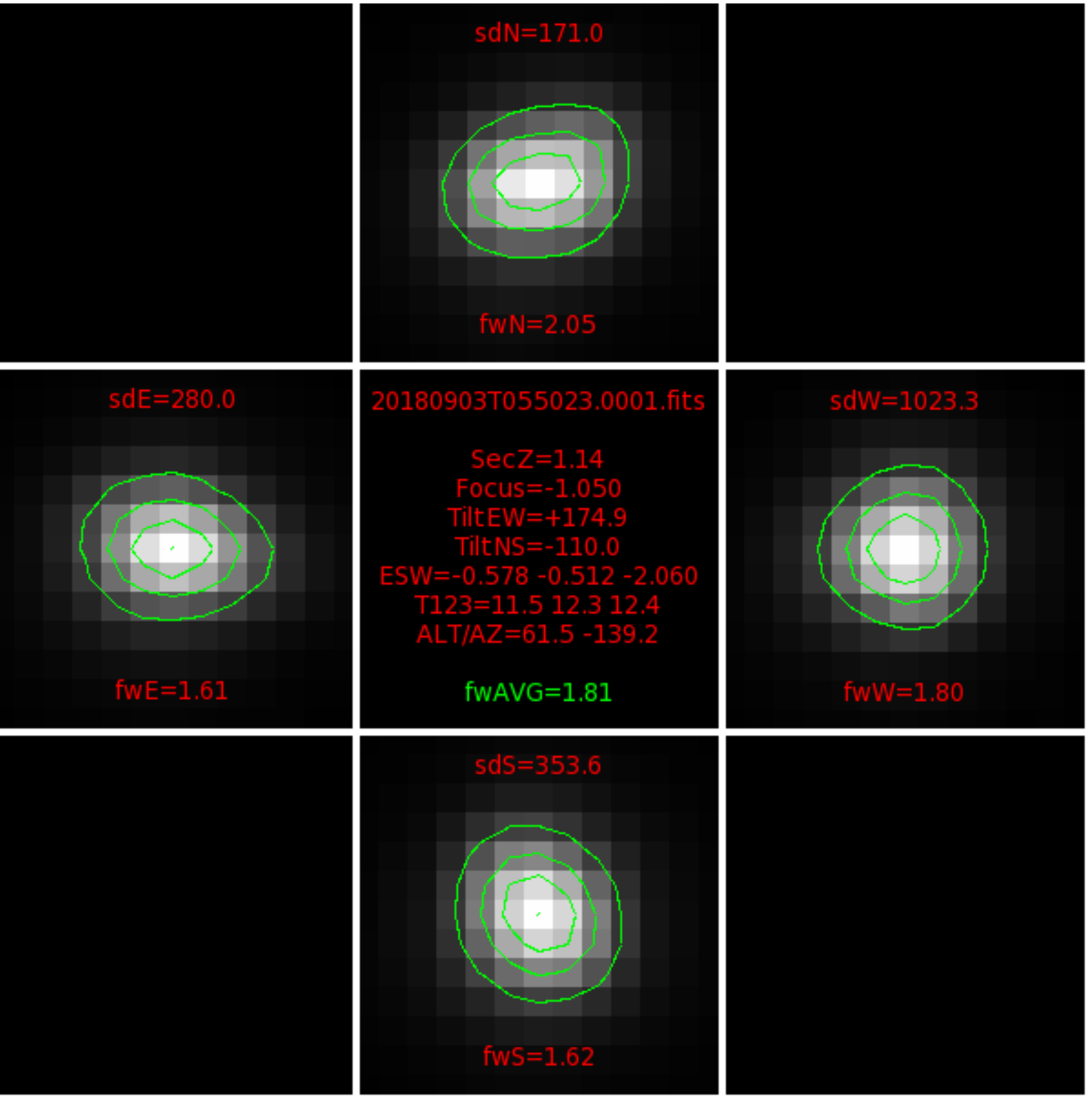
sdN=171.0
fwN=2.05
sdE=280.0
fwE=1.61
20180903T055023.0001.fits
SecZ=1.14
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.3 12.4
ALT/AZ=61.5 -139.2
fwAVG=1.81
sdW=1023.3
fwW=1.80
sdS=353.6
fwS=1.62
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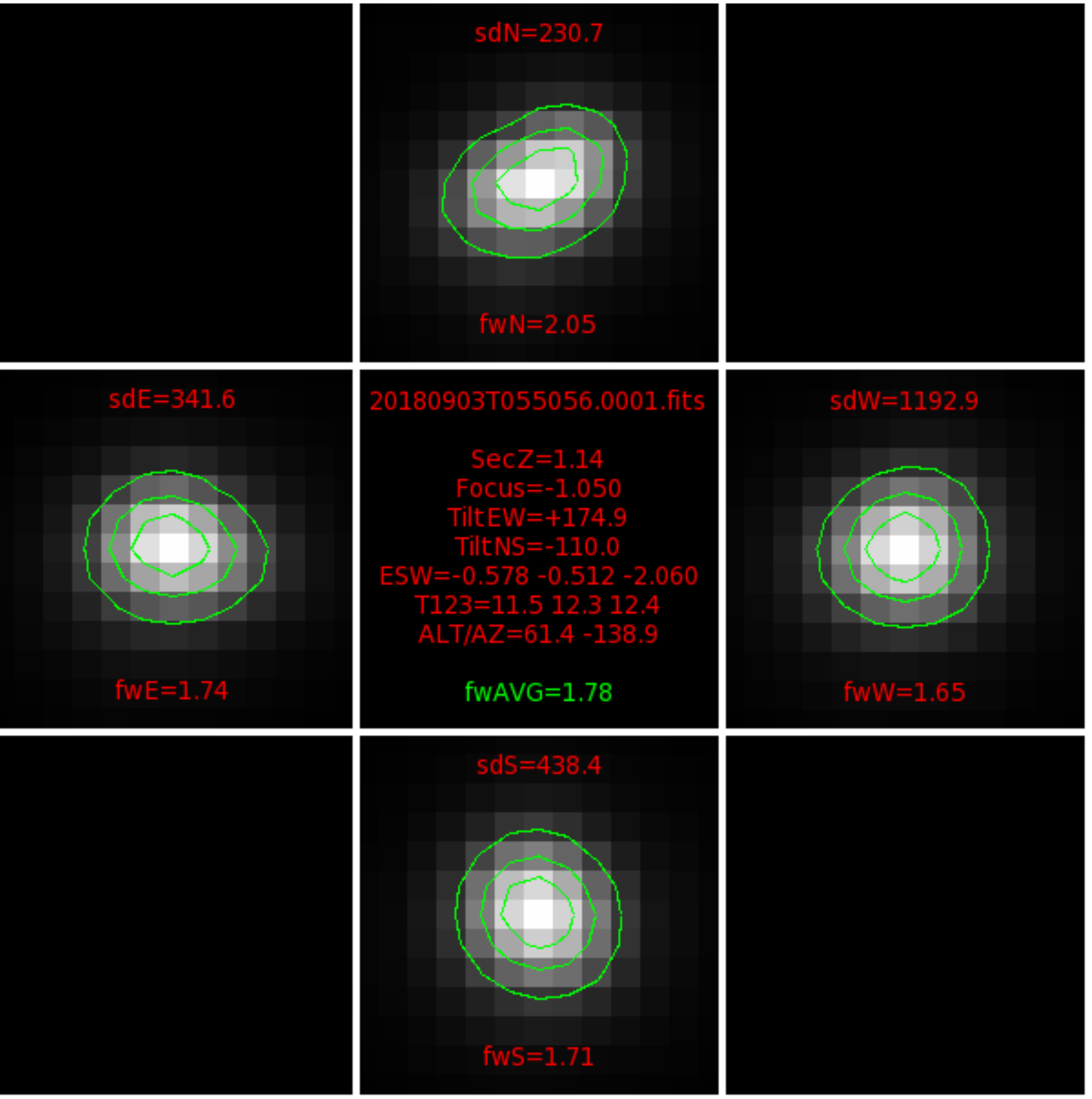
sdN=230.7
fwN=2.05
sdE=341.6
fwE=1.74
20180903T055056.0001.fits
SecZ=1.14
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.3 12.4
ALT/AZ=61.4 -138.9
fwAVG=1.78
sdW=1192.9
fwW=1.65
sdS=438.4
fwS=1.71
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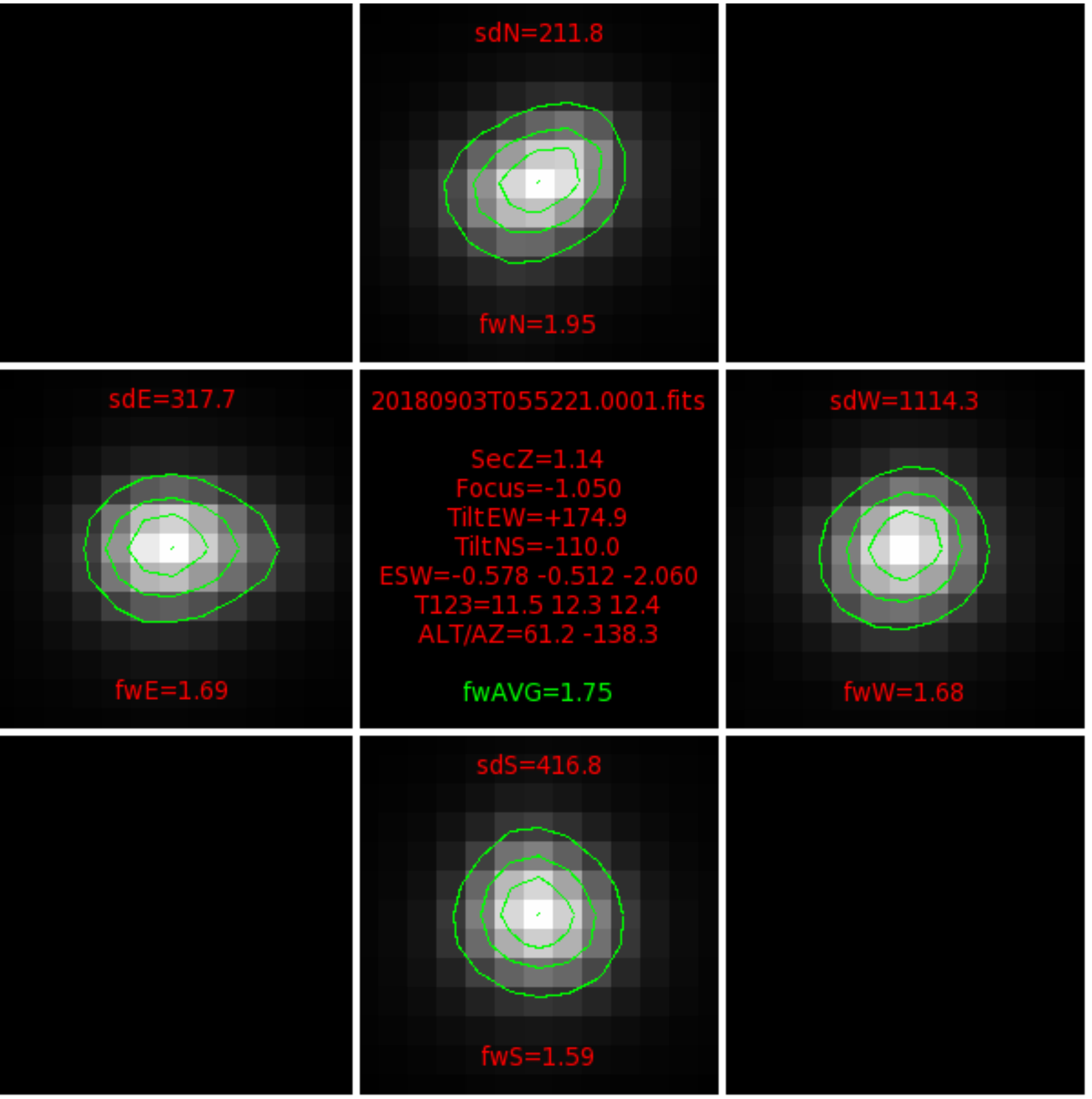
sdN=211.8
fwN=1.95
sdE=317.7
fwE=1.69
20180903T055221.0001.fits
SecZ=1.14
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.3 12.4
ALT/AZ=61.2 -138.3
fwAVG=1.75
sdW=1114.3
fwW=1.68
sdS=416.8
fwS=1.59
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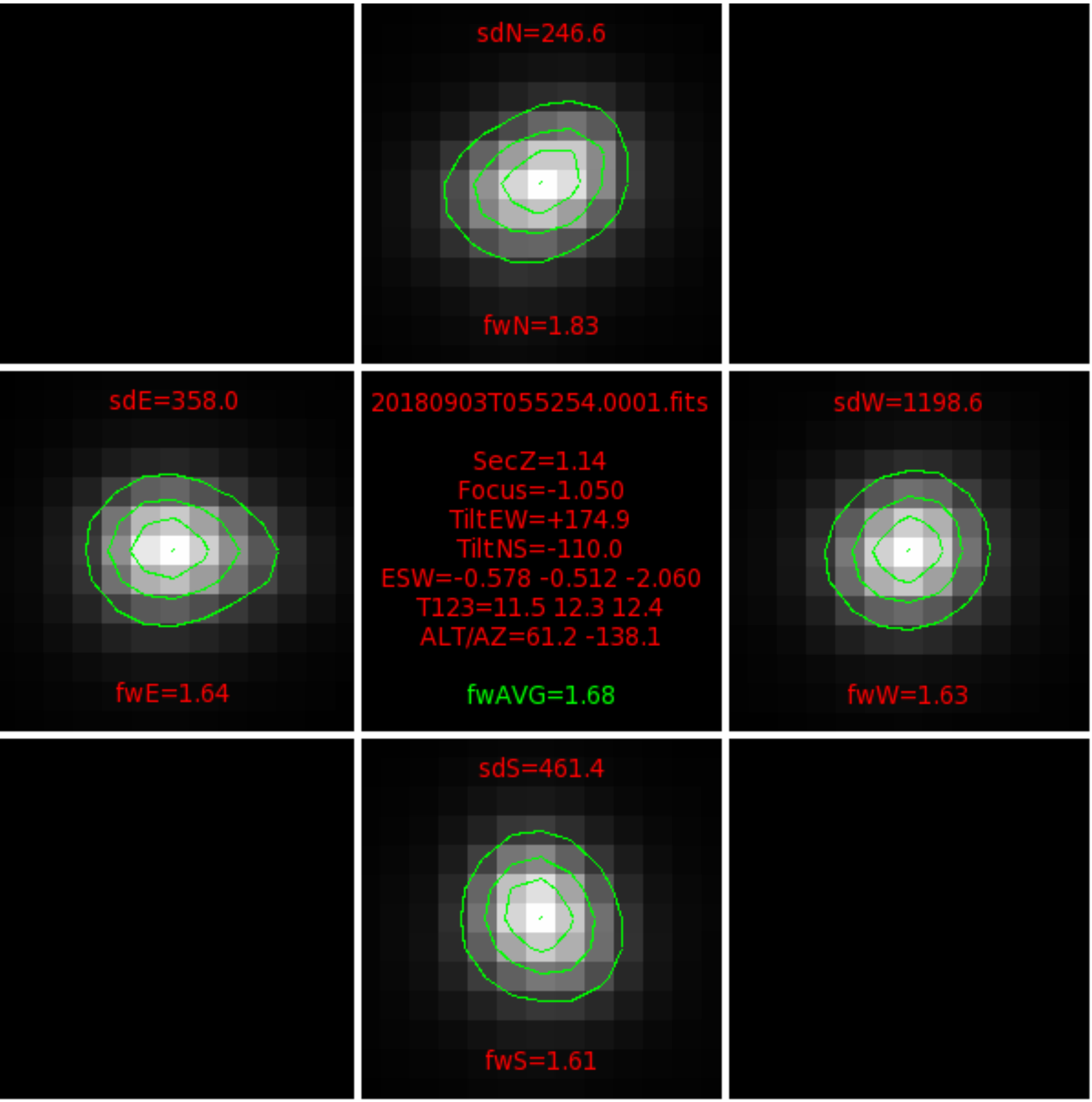
sdN=246.6
fwN=1.83
sdE=358.0
fwE=1.64
20180903T055254.0001.fits
SecZ=1.14
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.3 12.4
ALT/AZ=61.2 -138.1
fwAVG=1.68
sdW=1198.6
fwW=1.63
sdS=461.4
fwS=1.61
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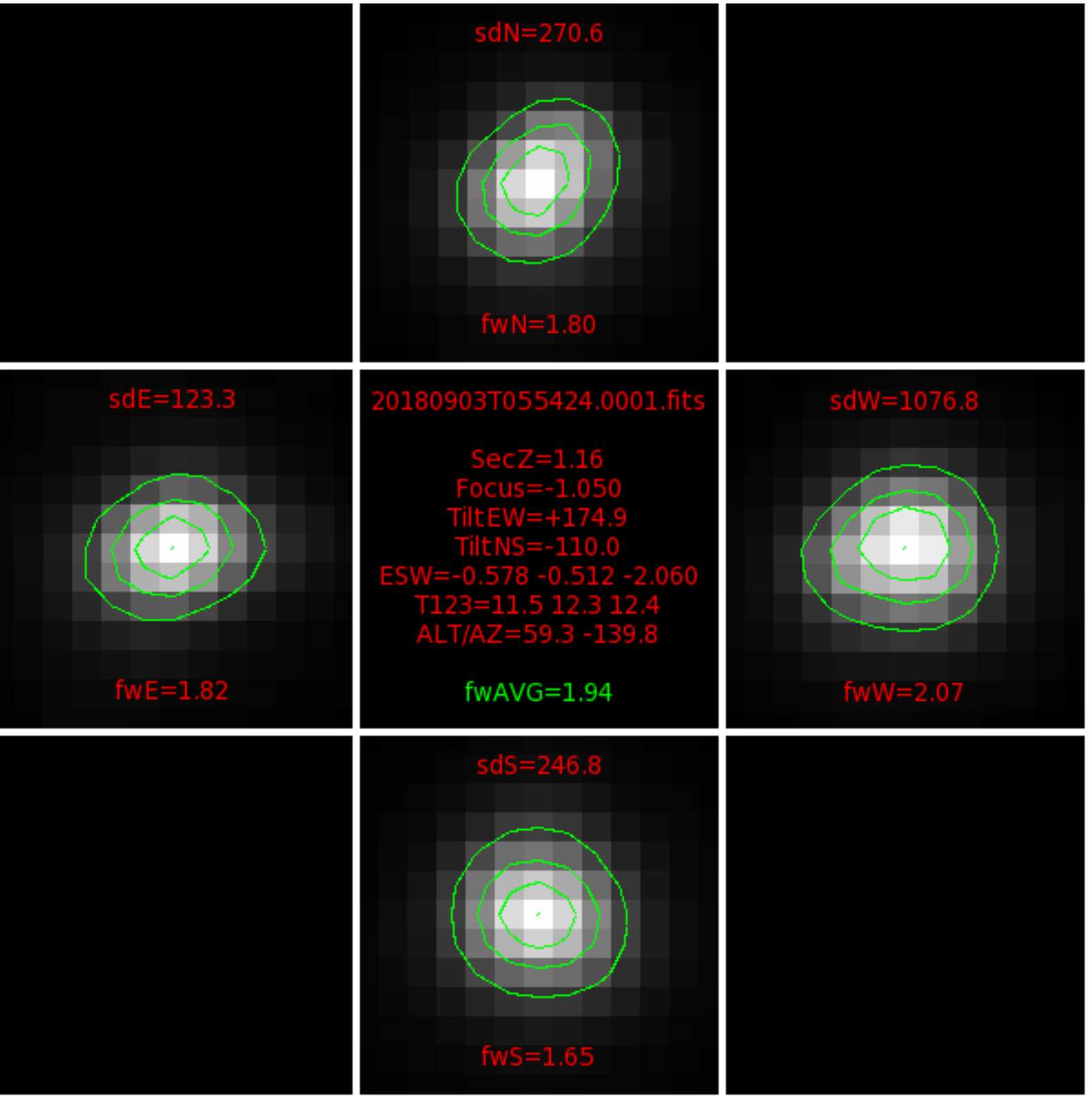
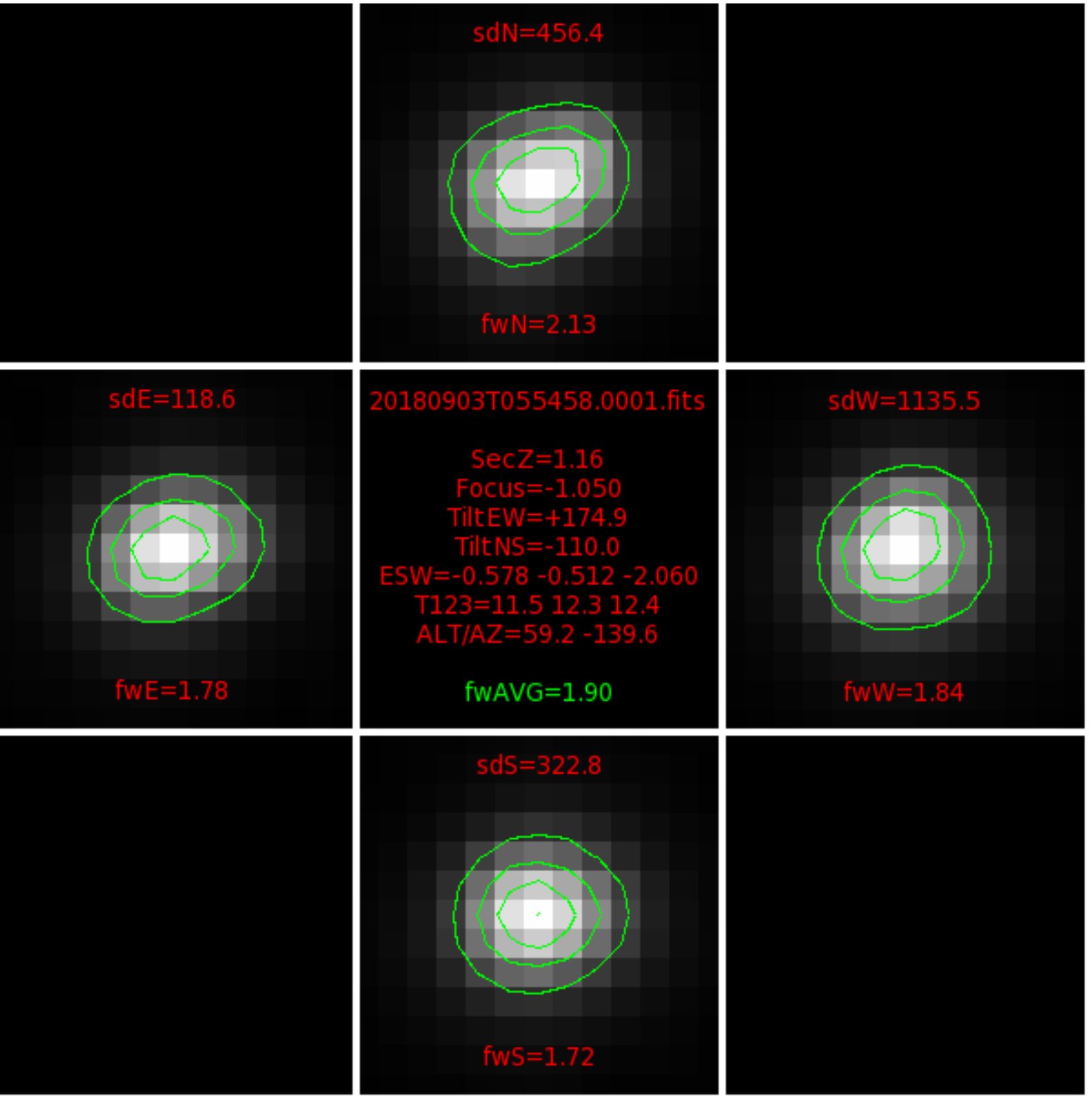
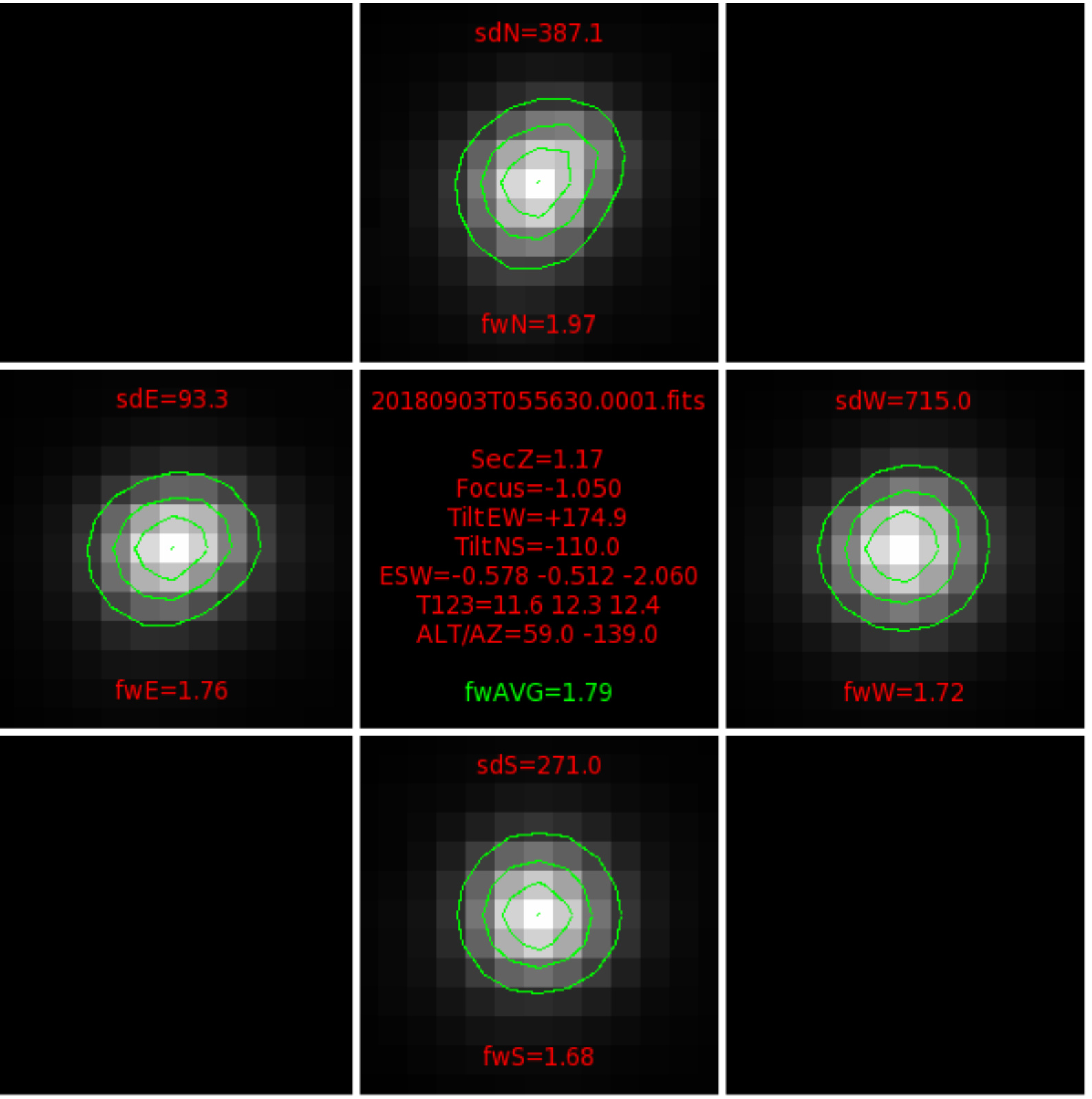

sdN=270.6
fwN=1.80
sdE=123.3
fwE=1.82
20180903T055424.0001.fits
SecZ=1.16
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.3 12.4
ALT/AZ=59.3 -139.8
fwAVG=1.94
sdW=1076.8
fwW=2.07
sdS=246.8
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=456.4
fwN=2.13
sdE=118.6
fwE=1.78
20180903T055458.0001.fits
SecZ=1.16
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.5 12.3 12.4
ALT/AZ=59.2 -139.6
fwAVG=1.90
sdW=1135.5
fwW=1.84
sdS=322.8
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=387.1
fwN=1.97
sdE=93.3
fwE=1.76
20180903T055630.0001.fits
SecZ=1.17
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.3 12.4
ALT/AZ=59.0 -139.0
fwAVG=1.79
sdW=715.0
fwW=1.72
sdS=271.0
fwS=1.68
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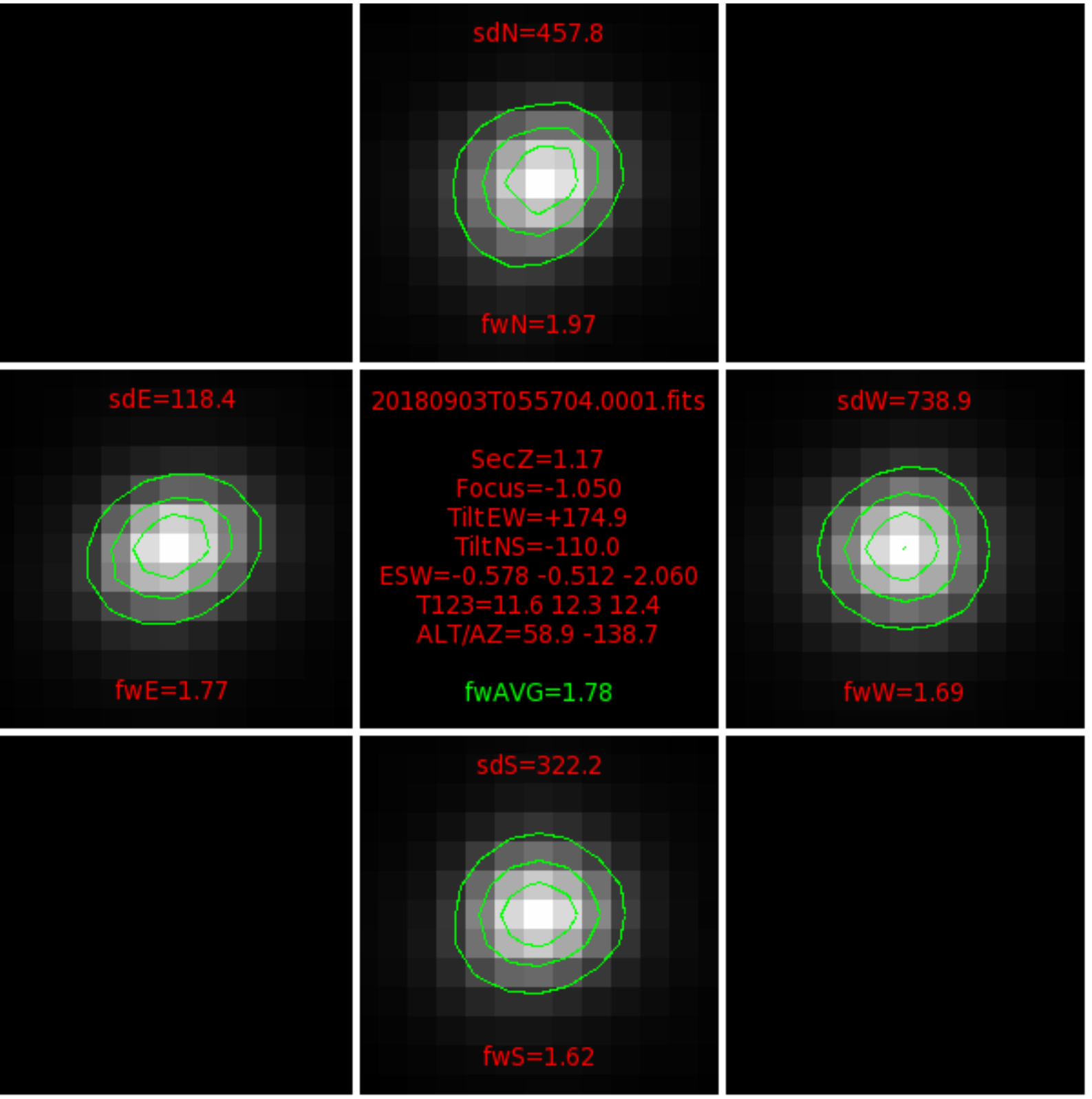
sdN=457.8
fwN=1.97
sdE=118.4
fwE=1.77
20180903T055704.0001.fits
SecZ=1.17
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.3 12.4
ALT/AZ=58.9 -138.7
fwAVG=1.78
sdW=738.9
fwW=1.69
sdS=322.2
fwS=1.62
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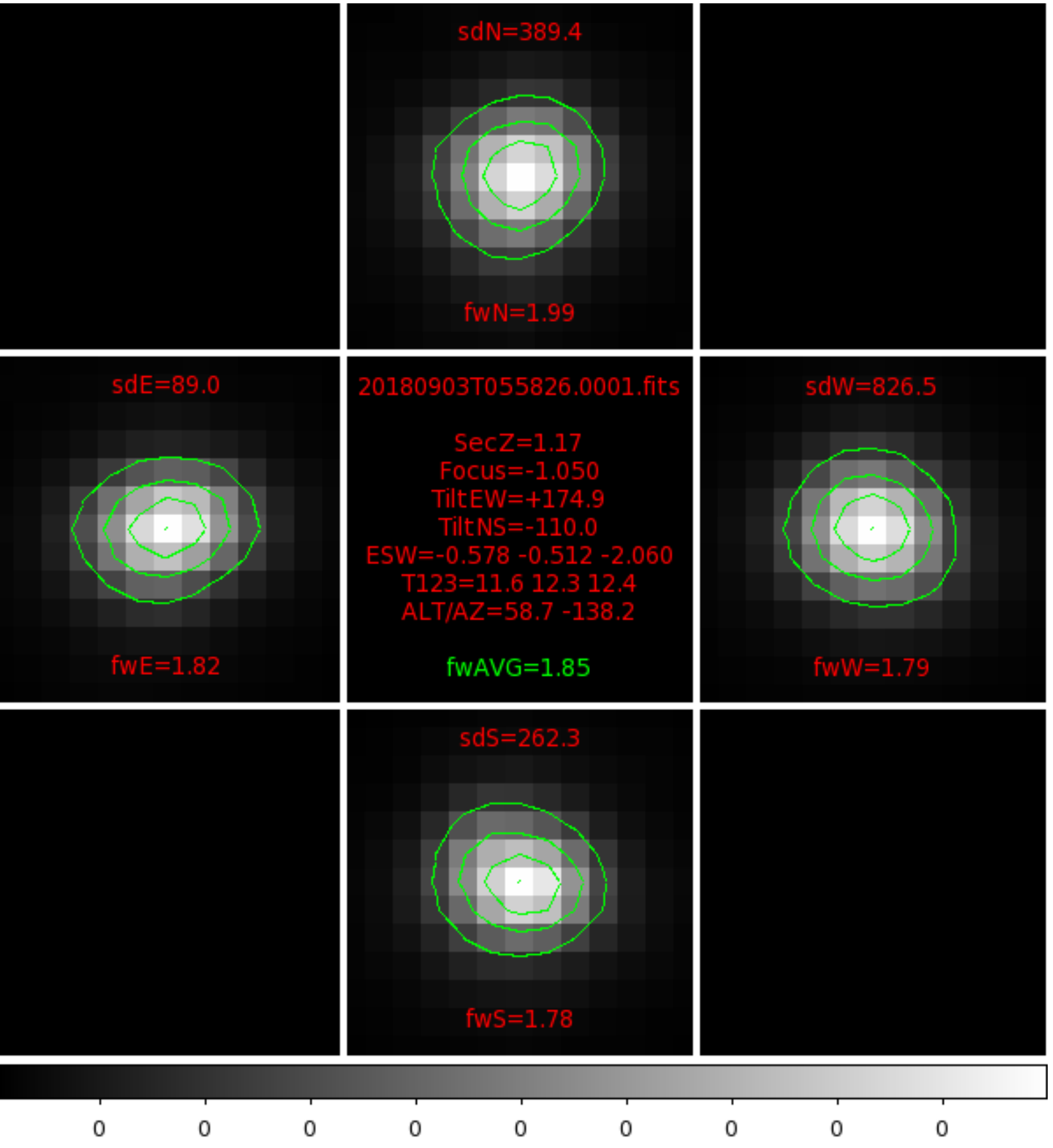
sdN=389.4
fwN=1.99
sdE=89.0
fwE=1.82
20180903T055826.0001.fits
SecZ=1.17
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.3 12.4
ALT/AZ=58.7 -138.2
fwAVG=1.85
sdW=826.5
fwW=1.79
sdS=262.3
fwS=1.78
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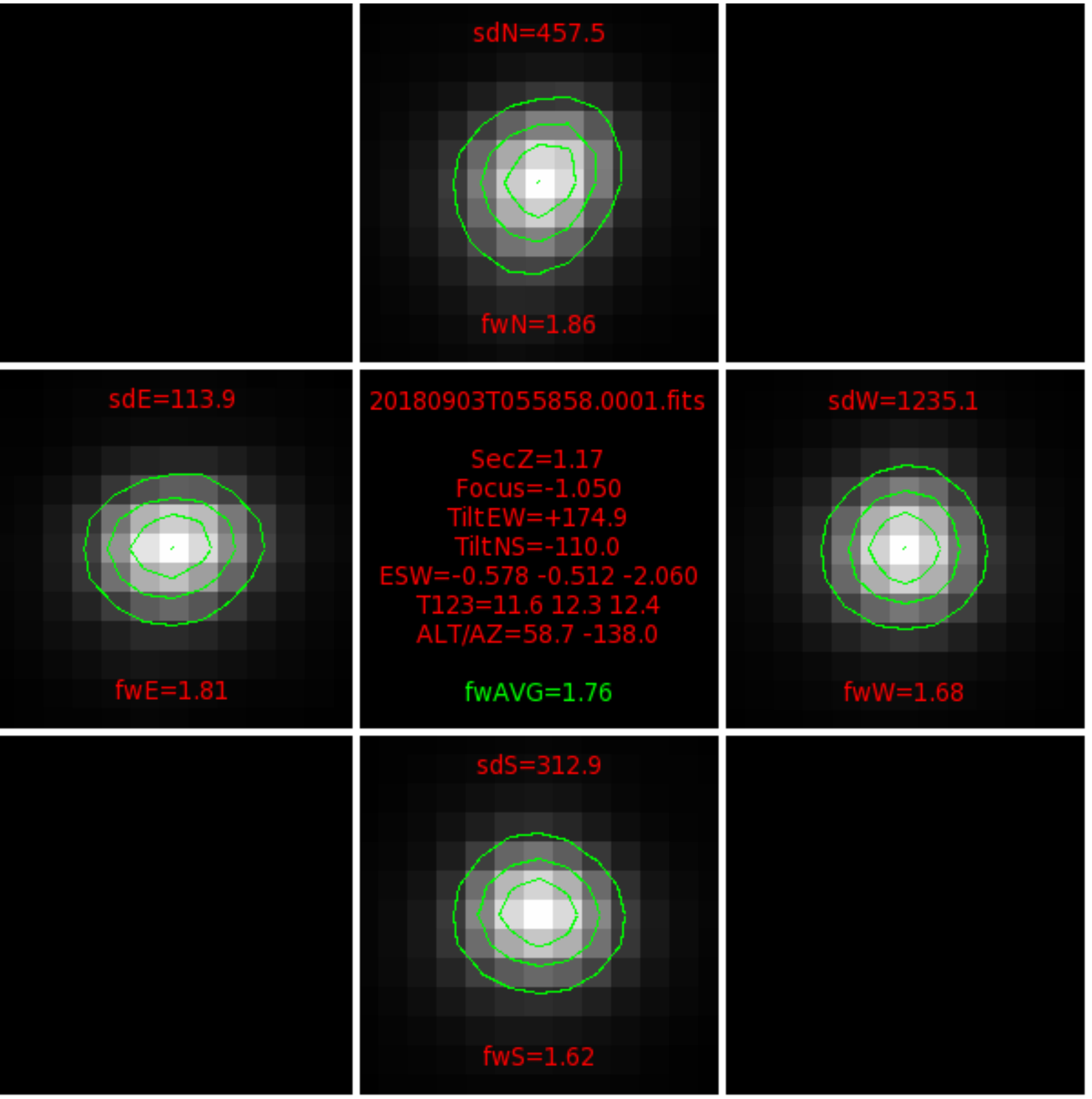
sdN=457.5
fwN=1.86
sdE=113.9
fwE=1.81
20180903T055858.0001.fits
SecZ=1.17
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.3 12.4
ALT/AZ=58.7 -138.0
fwAVG=1.76
sdW=1235.1
fwW=1.68
sdS=312.9
fwS=1.62
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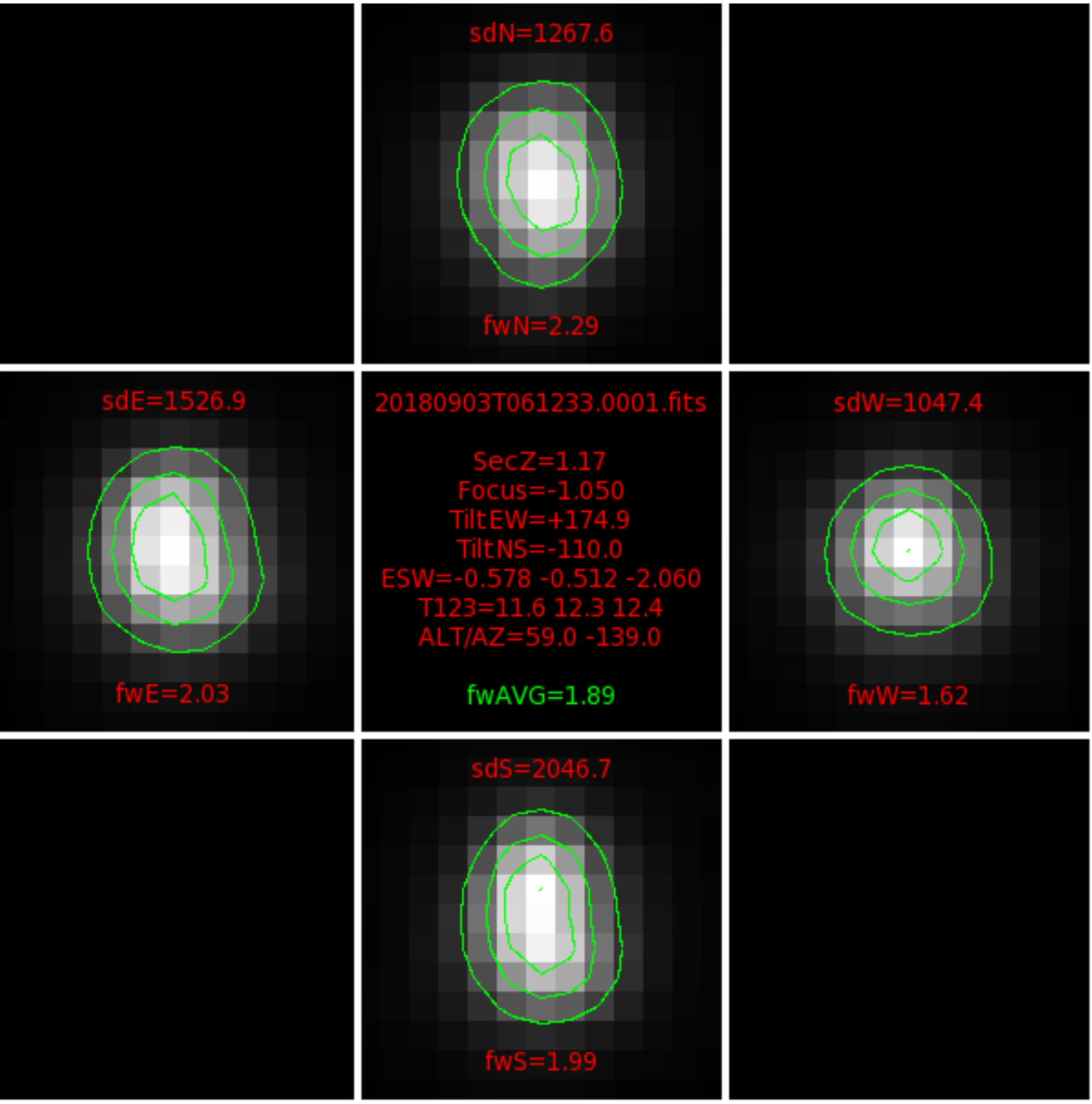
sdN=1267.6
fwN=2.29
sdE=1526.9
fwE=2.03
20180903T061233.0001.fits
SecZ=1.17
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.3 12.4
ALT/AZ=59.0 -139.0
fwAVG=1.89
sdW=1047.4
fwW=1.62
sdS=2046.7
fwS=1.99
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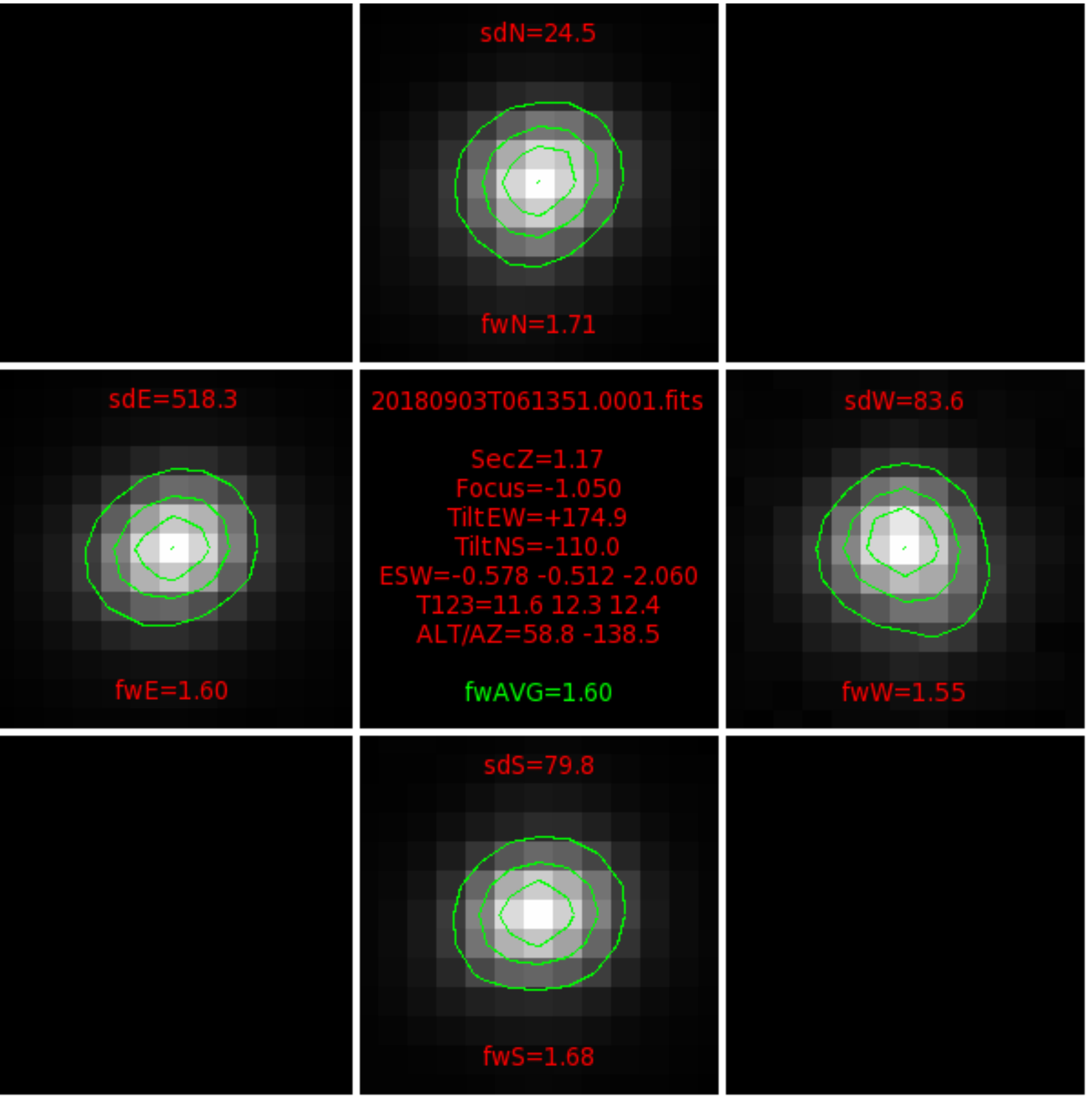
sdN=24.5
fwN=1.71
sdE=518.3
fwE=1.60
20180903T061351.0001.fits
SecZ=1.17
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.3 12.4
ALT/AZ=58.8 -138.5
fwAVG=1.60
sdW=83.6
fwW=1.55
sdS=79.8
fwS=1.68
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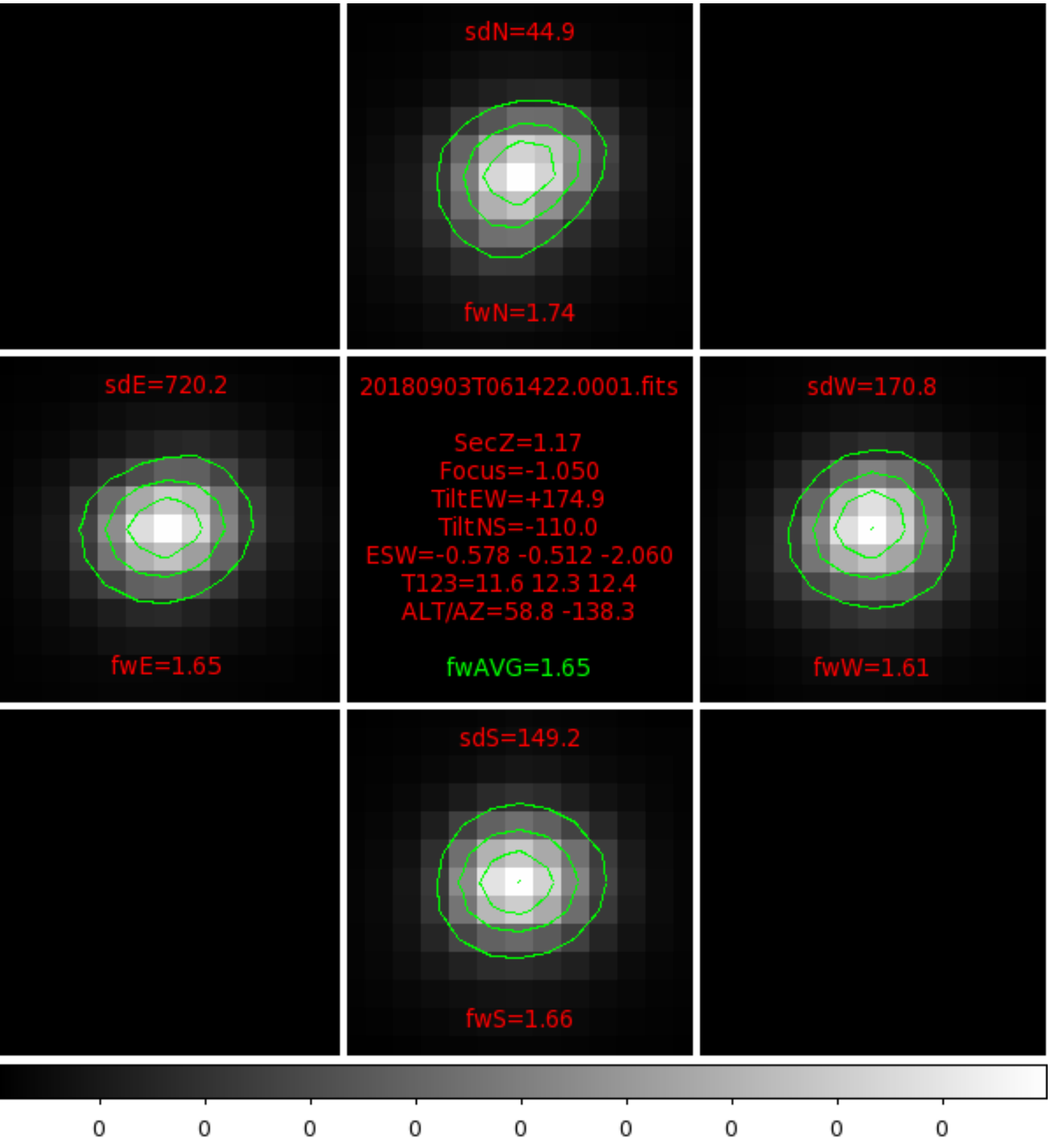
sdN=44.9
fwN=1.74
sdE=720.2
fwE=1.65
20180903T061422.0001.fits
SecZ=1.17
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.3 12.4
ALT/AZ=58.8 -138.3
fwAVG=1.65
sdW=170.8
fwW=1.61
sdS=149.2
fwS=1.66
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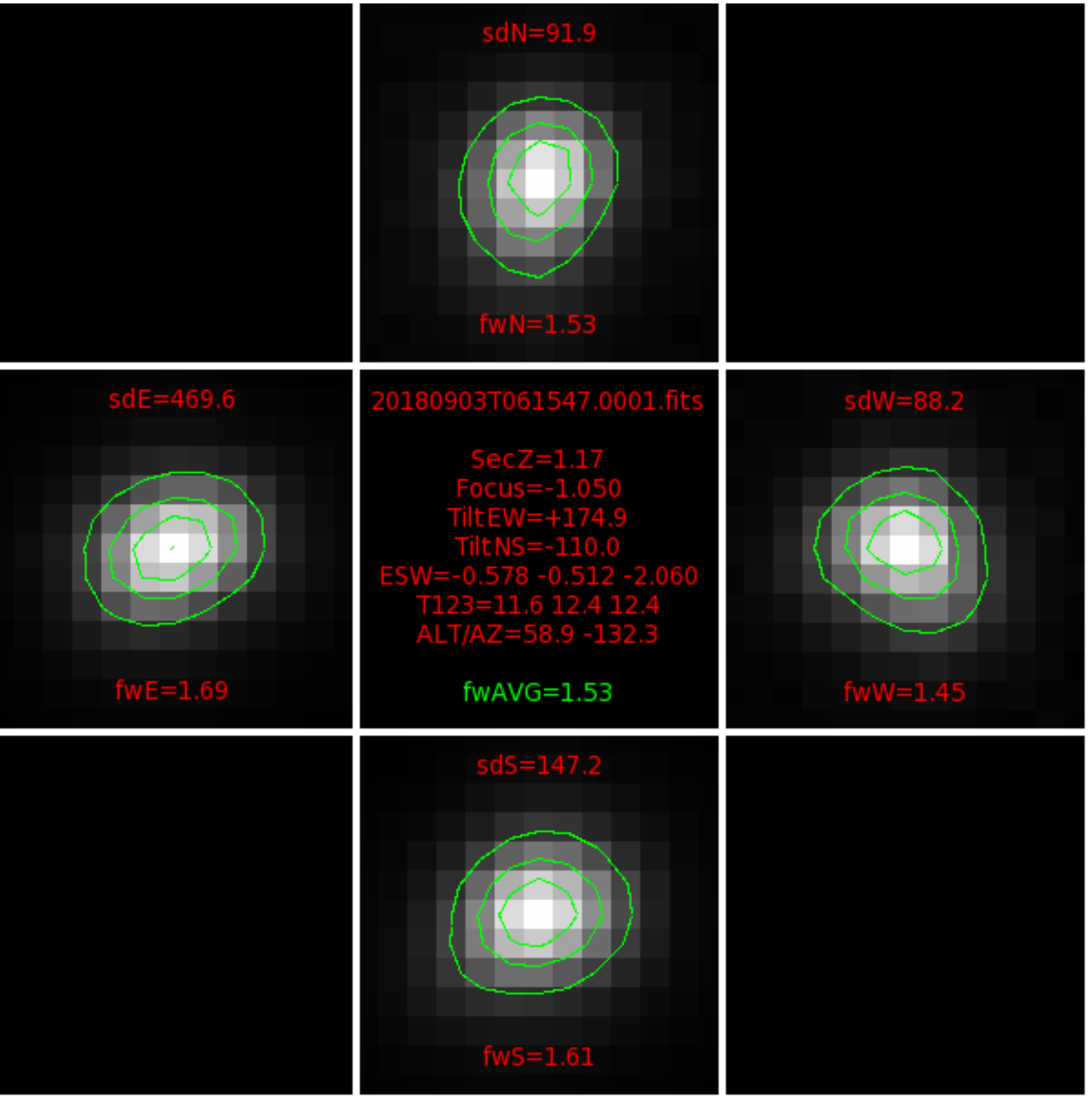
sdN=91.9
fwN=1.53
sdE=469.6
fwE=1.69
20180903T061547.0001.fits
SecZ=1.17
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.4 12.4
ALT/AZ=58.9 -132.3
fwAVG=1.53
sdW=88.2
fwW=1.45
sdS=147.2
fwS=1.61
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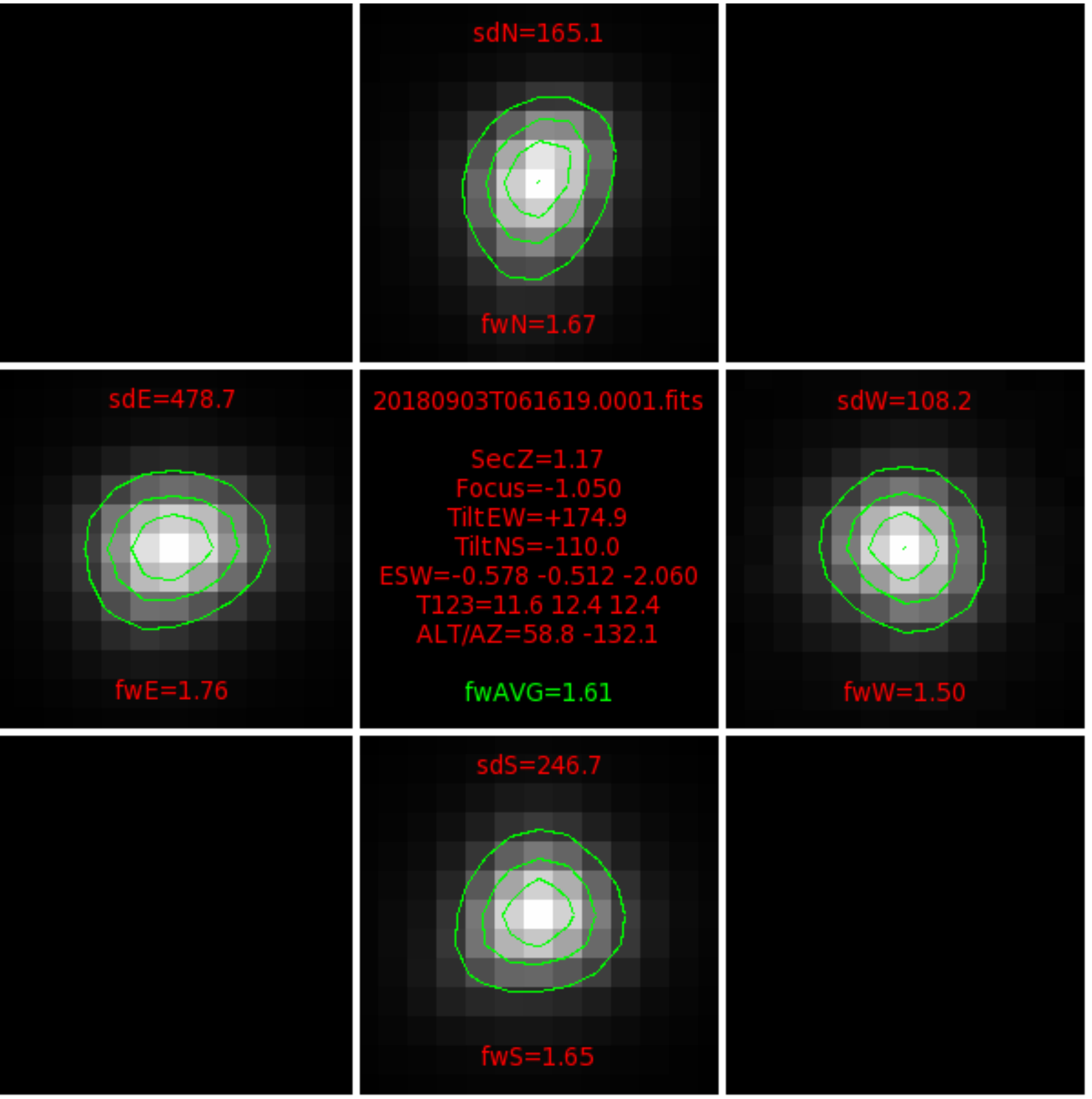
sdN=165.1
fwN=1.67
sdE=478.7
fwE=1.76
20180903T061619.0001.fits
SecZ=1.17
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.4 12.4
ALT/AZ=58.8 -132.1
fwAVG=1.61
sdW=108.2
fwW=1.50
sdS=246.7
fwS=1.65
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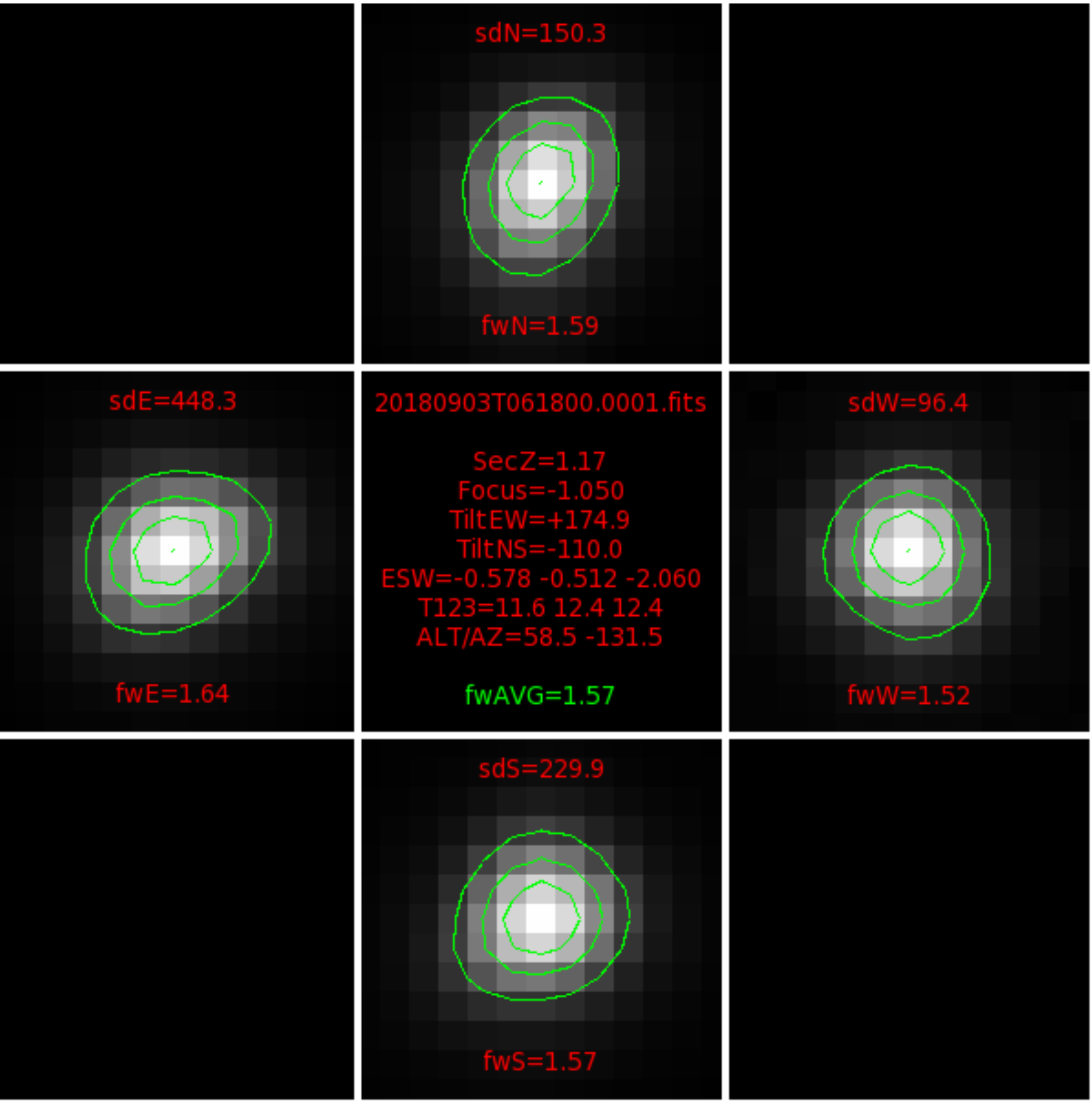
sdN=150.3
fwN=1.59
sdE=448.3
fwE=1.64
20180903T061800.0001.fits
SecZ=1.17
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.6 12.4 12.4
ALT/AZ=58.5 -131.5
fwAVG=1.57
sdW=96.4
fwW=1.52
sdS=229.9
fwS=1.57
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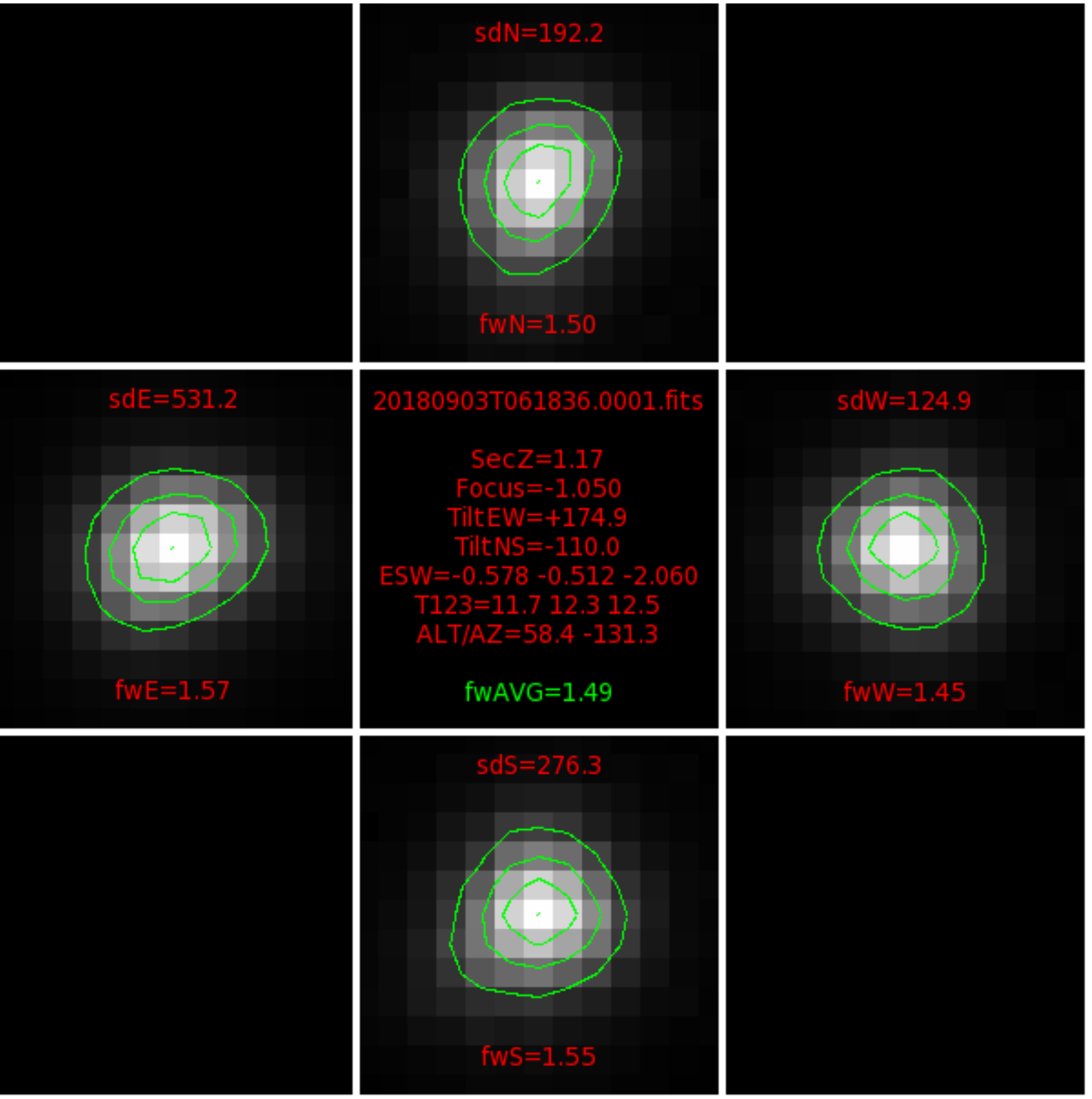
sdN=192.2
fwN=1.50
sdE=531.2
fwE=1.57
20180903T061836.0001.fits
SecZ=1.17
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=11.7 12.3 12.5
ALT/AZ=58.4 -131.3
fwAVG=1.49
sdW=124.9
fwW=1.45
sdS=276.3
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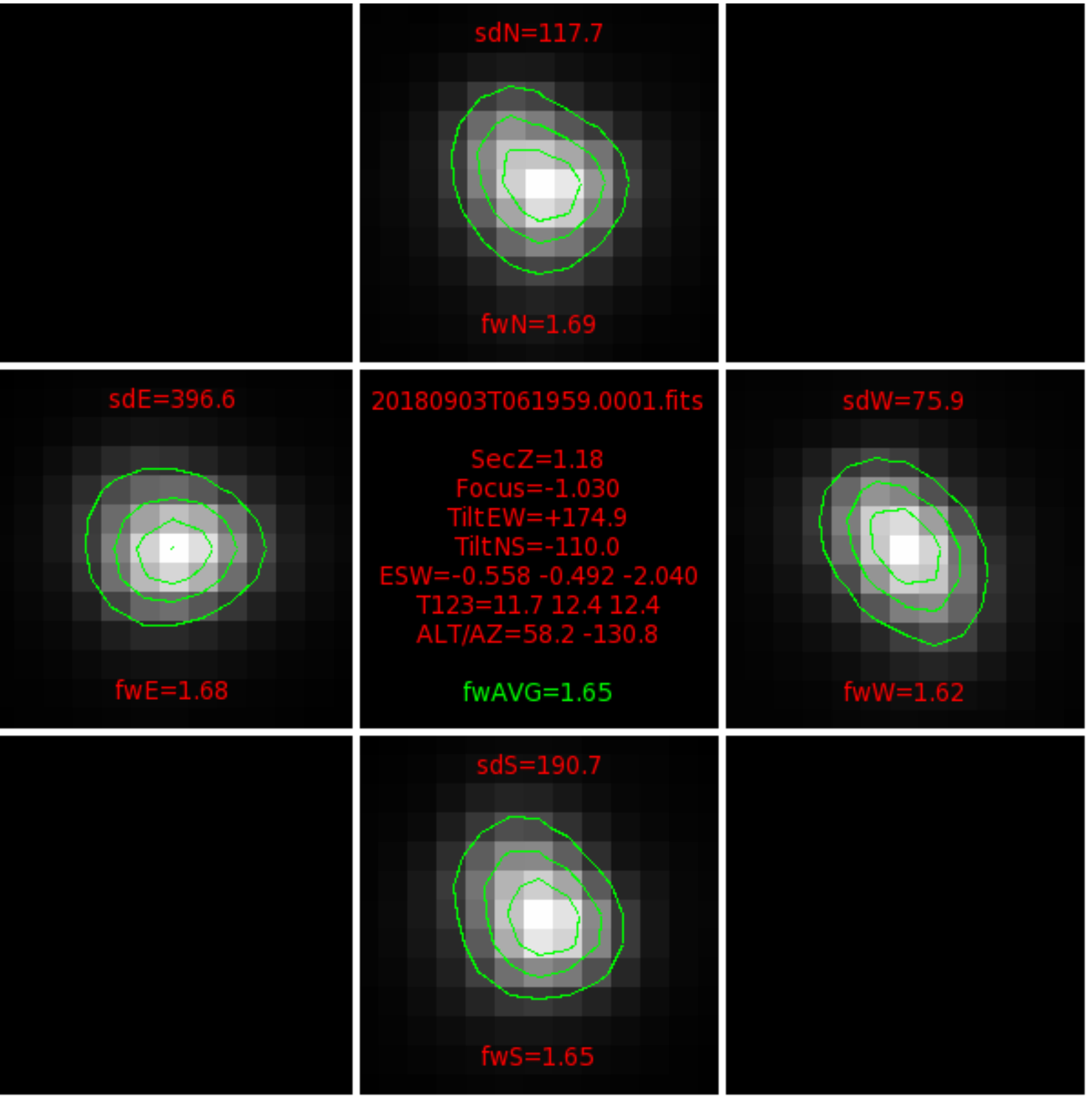
sdN=117.7
fwN=1.69
sdE=396.6
fwE=1.68
20180903T061959.0001.fits
SecZ=1.18
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.7 12.4 12.4
ALT/AZ=58.2 -130.8
fwAVG=1.65
sdW=75.9
fwW=1.62
sdS=190.7
fwS=1.65
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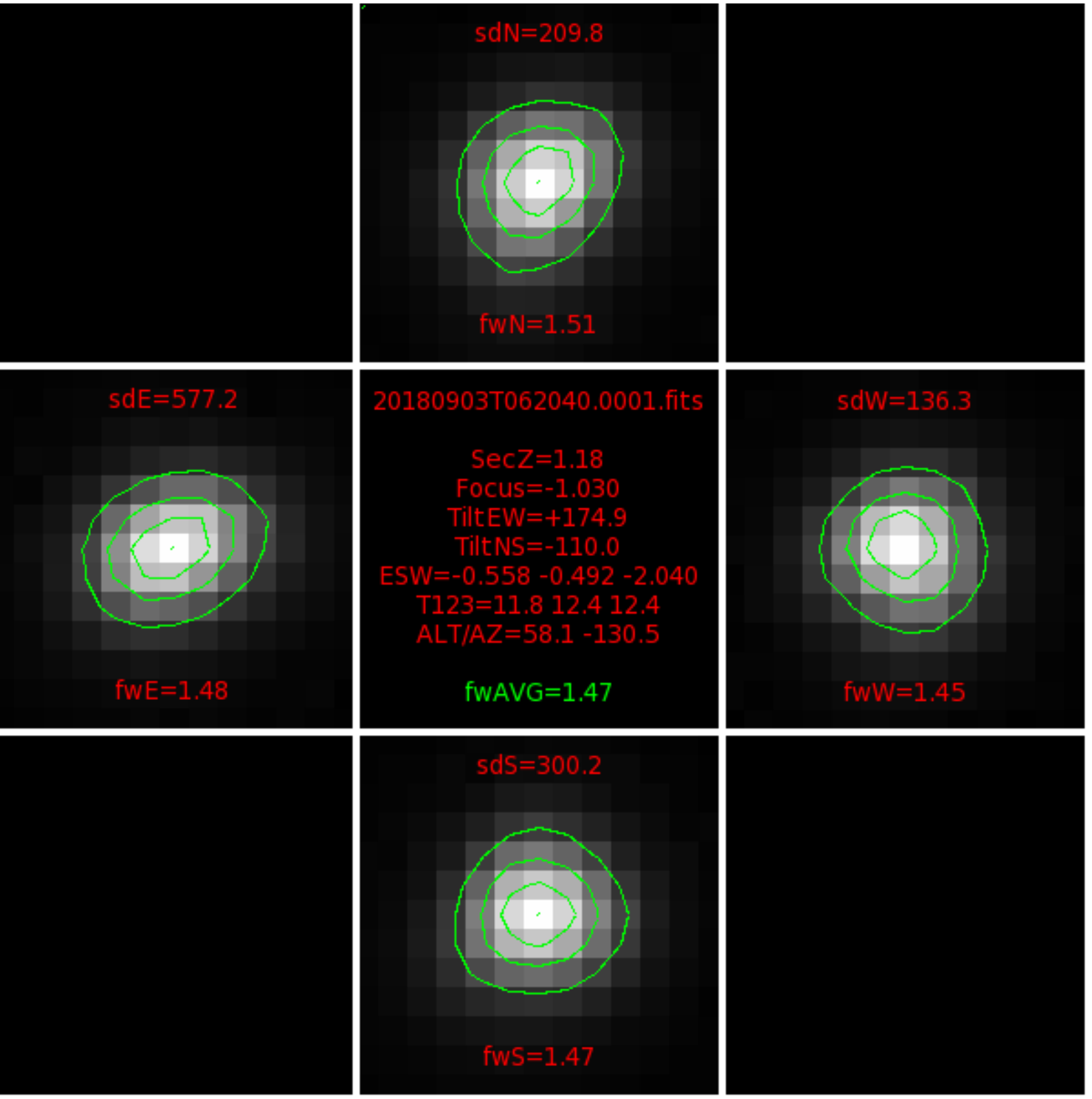
sdN=209.8
fwN=1.51
sdE=577.2
fwE=1.48
20180903T062040.0001.fits
SecZ=1.18
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.8 12.4 12.4
ALT/AZ=58.1 -130.5
fwAVG=1.47
sdW=136.3
fwW=1.45
sdS=300.2
fwS=1.47
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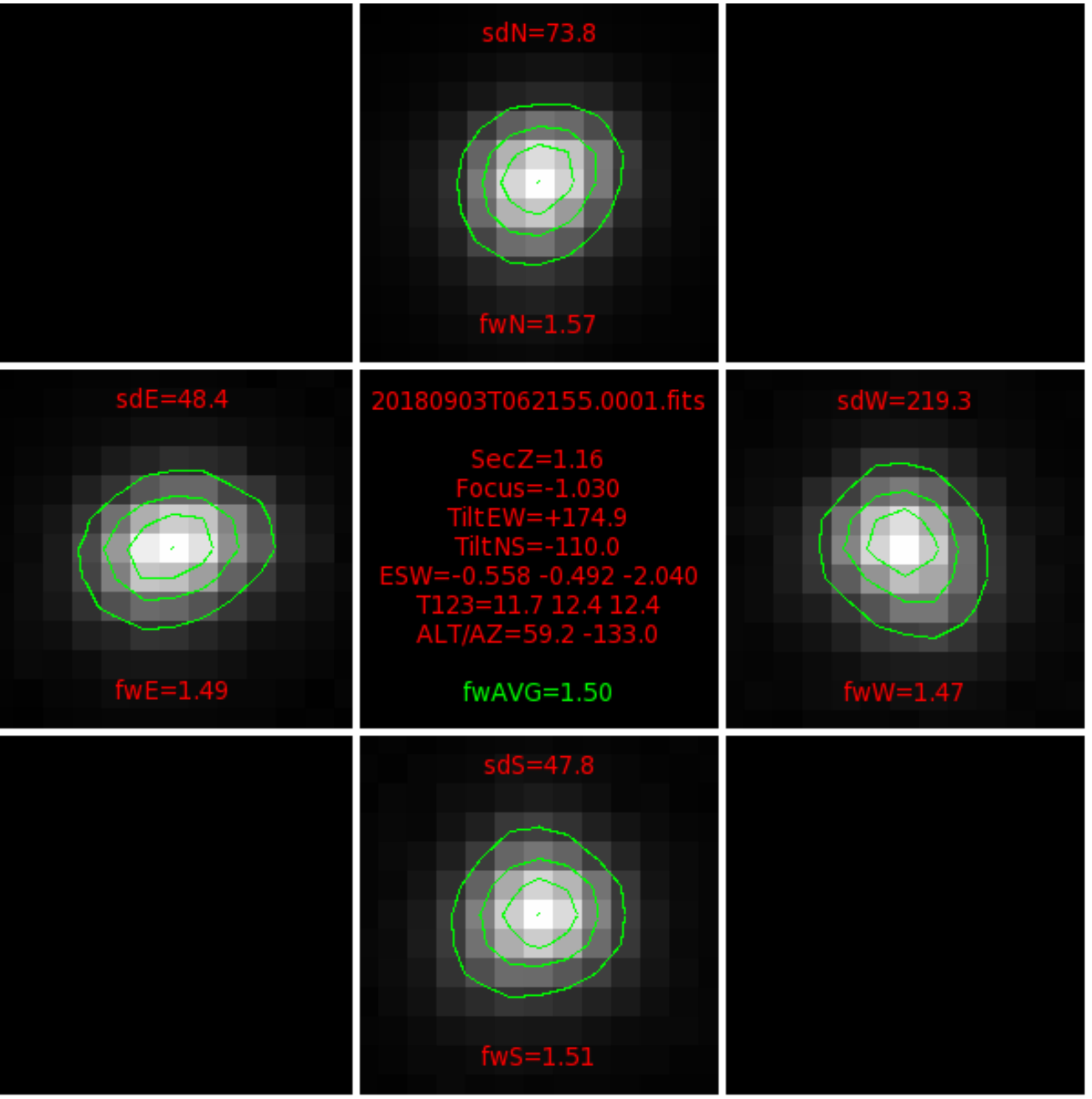
sdN=73.8
fwN=1.57
sdE=48.4
fwE=1.49
20180903T062155.0001.fits
SecZ=1.16
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.7 12.4 12.4
ALT/AZ=59.2 -133.0
fwAVG=1.50
sdW=219.3
fwW=1.47
sdS=47.8
fwS=1.51
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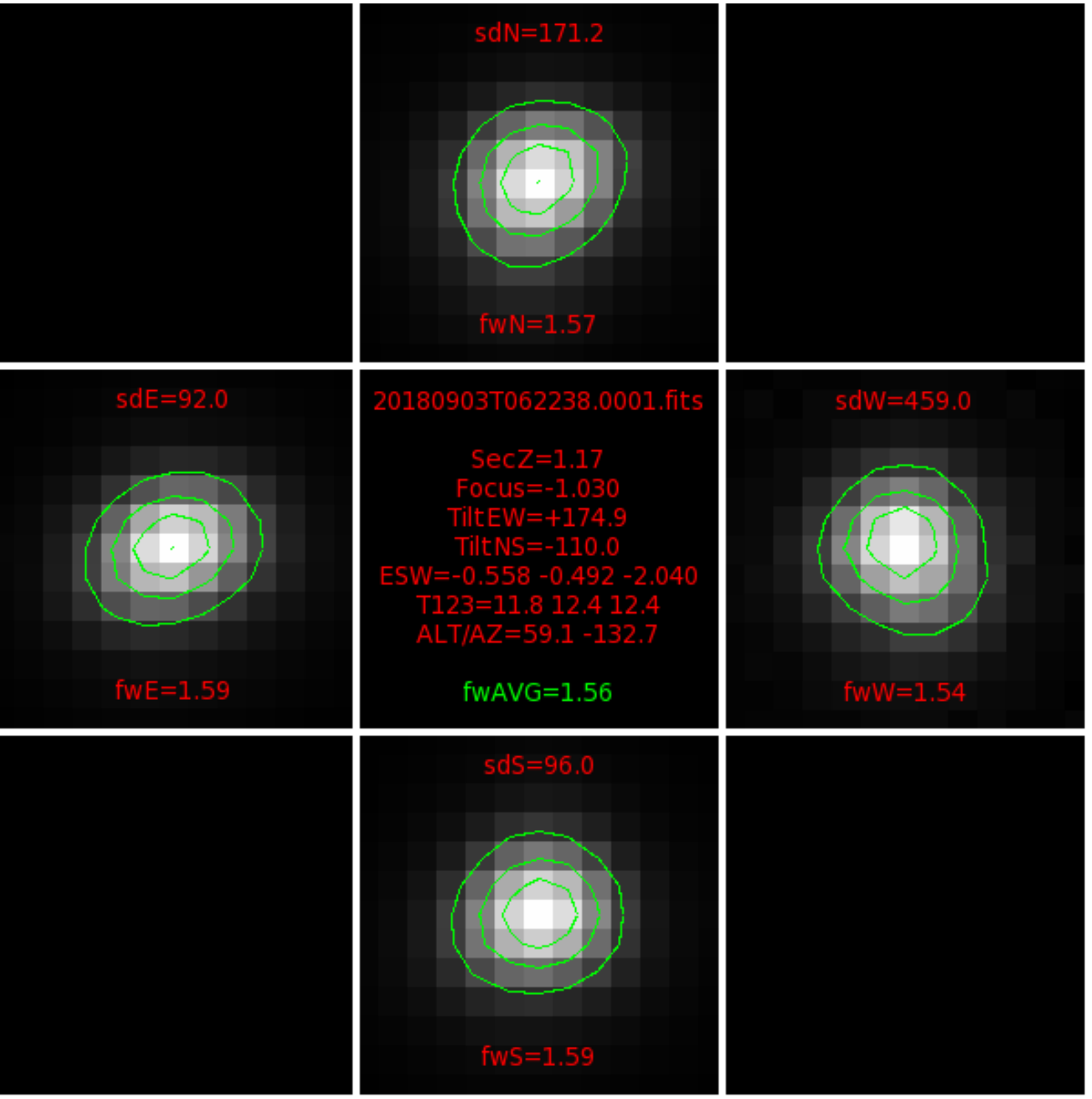
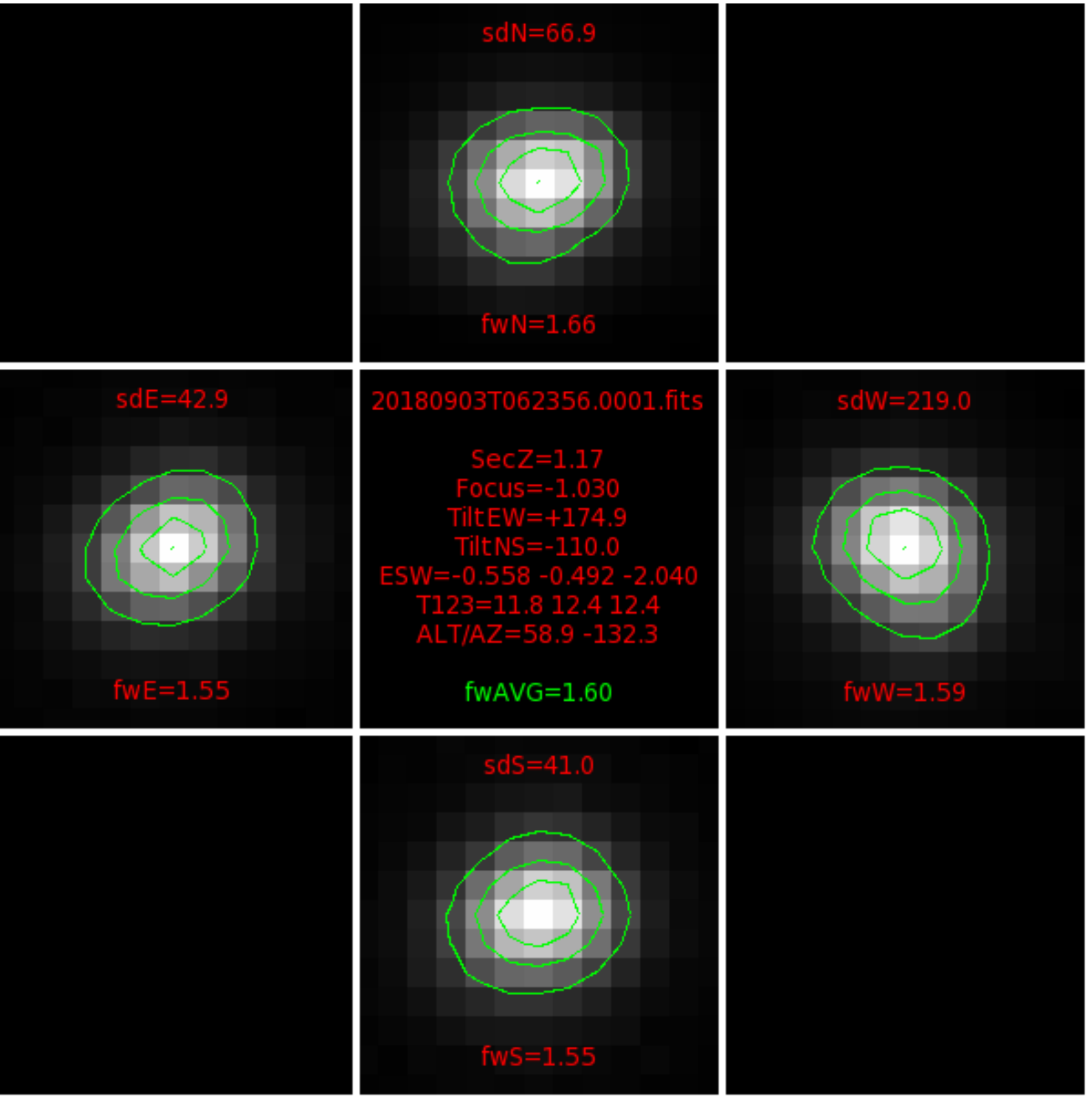
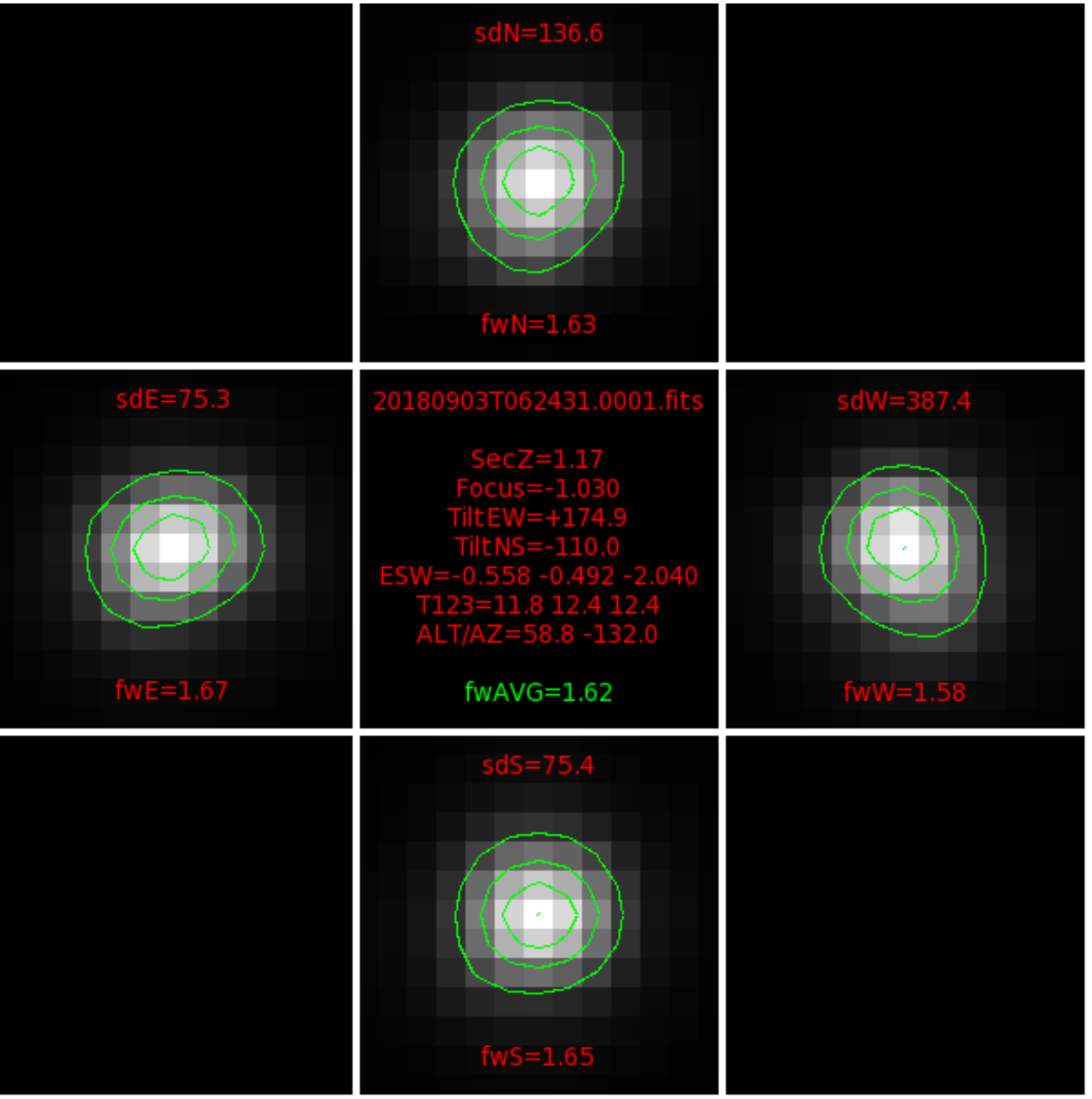

sdN=171.2
fwN=1.57
sdE=92.0
fwE=1.59
20180903T062238.0001.fits
SecZ=1.17
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.8 12.4 12.4
ALT/AZ=59.1 -132.7
fwAVG=1.56
sdW=459.0
fwW=1.54
sdS=96.0
fwS=1.59
0 0 0 0 0 0 0 0 0


sdN=66.9
fwN=1.66
sdE=42.9
fwE=1.55
20180903T062356.0001.fits
SecZ=1.17
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.8 12.4 12.4
ALT/AZ=58.9 -132.3
fwAVG=1.60
sdW=219.0
fwW=1.59
sdS=41.0
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=136.6
fwN=1.63
sdE=75.3
fwE=1.67
20180903T062431.0001.fits
SecZ=1.17
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.8 12.4 12.4
ALT/AZ=58.8 -132.0
fwAVG=1.62
sdW=387.4
fwW=1.58
sdS=75.4
fwS=1.65
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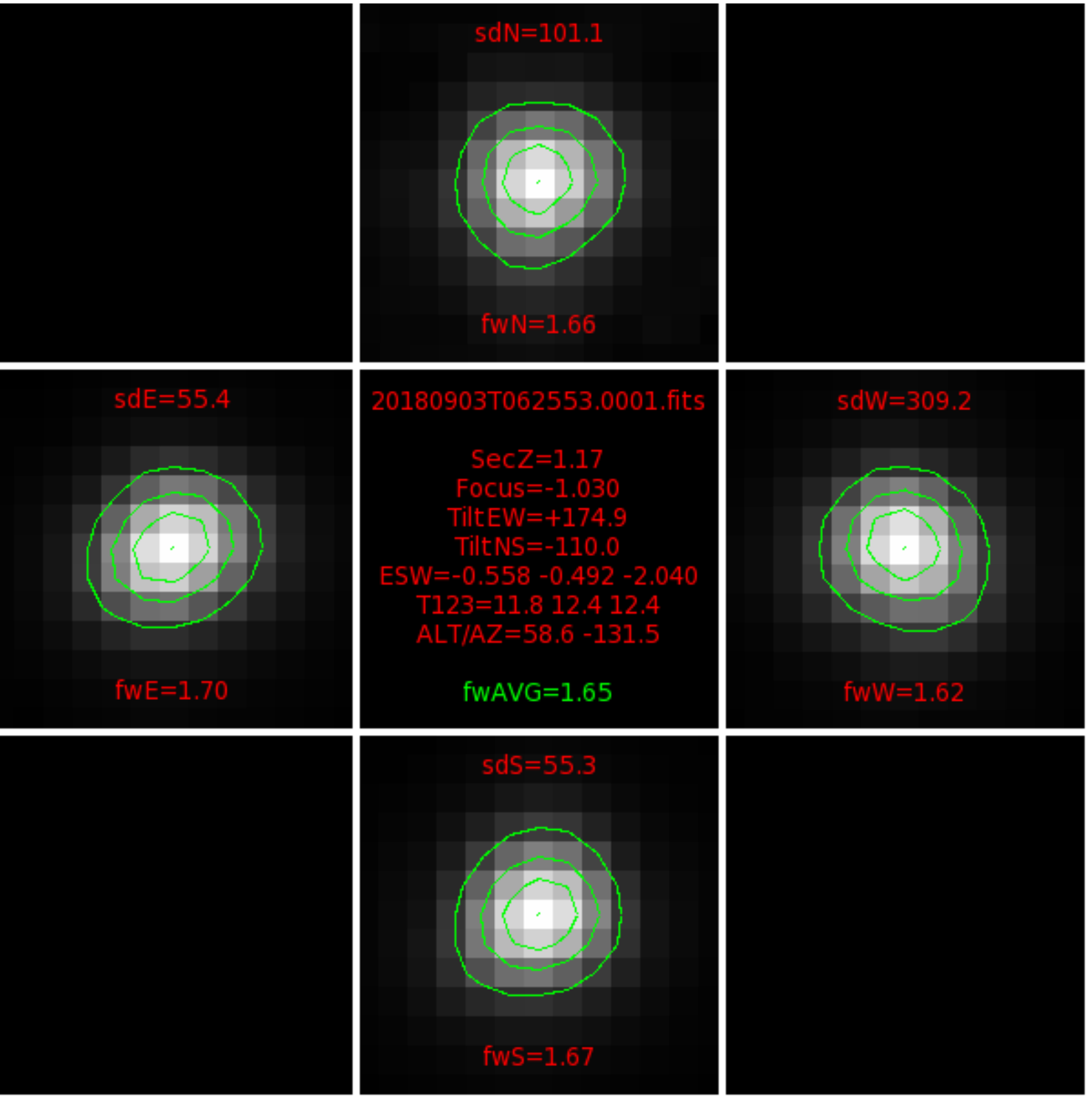
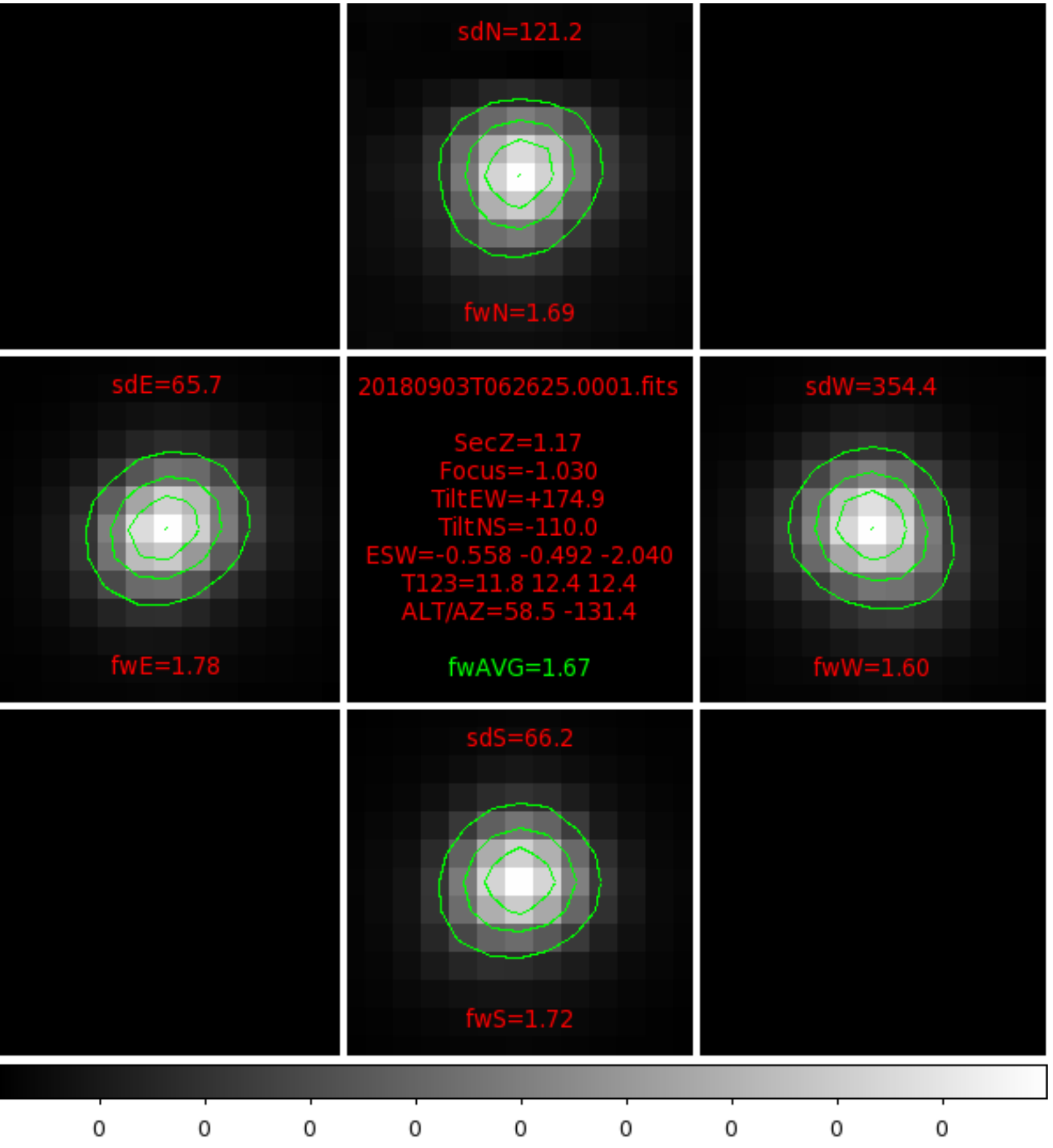

sdN=101.1
fwN=1.66
sdE=55.4
fwE=1.70
20180903T062553.0001.fits
SecZ=1.17
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.8 12.4 12.4
ALT/AZ=58.6 -131.5
fwAVG=1.65
sdW=309.2
fwW=1.62
sdS=55.3
fwS=1.67
0 0 0 0 0 0 0 0 0


sdN=121.2
fwN=1.69
sdE=65.7
fwE=1.78
20180903T062625.0001.fits
SecZ=1.17
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.8 12.4 12.4
ALT/AZ=58.5 -131.4
fwAVG=1.67
sdW=354.4
fwW=1.60
sdS=66.2
fwS=1.72
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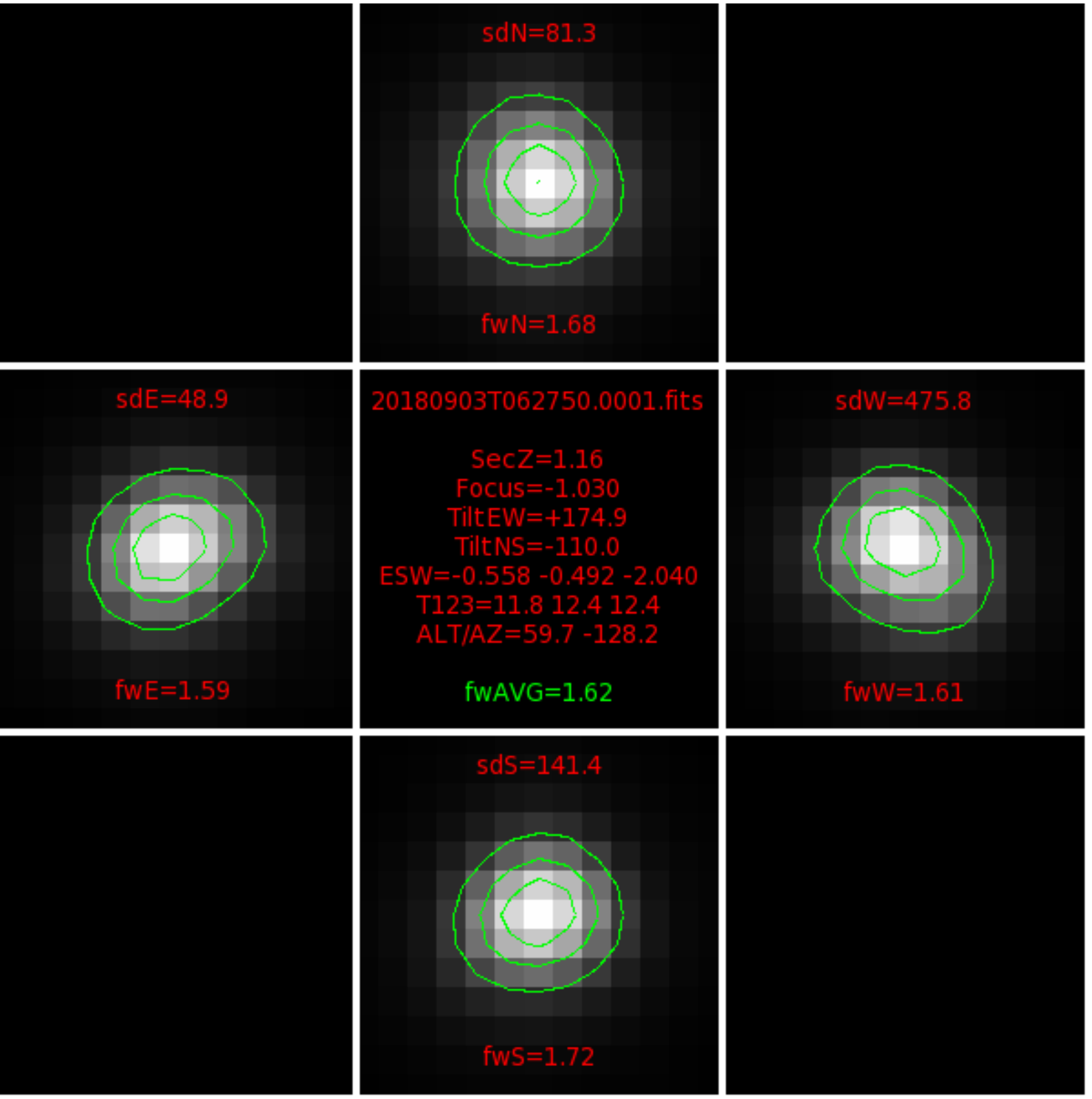
sdN=81.3
fwN=1.68
sdE=48.9
fwE=1.59
20180903T062750.0001.fits
SecZ=1.16
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.8 12.4 12.4
ALT/AZ=59.7 -128.2
fwAVG=1.62
sdW=475.8
fwW=1.61
sdS=141.4
fwS=1.72
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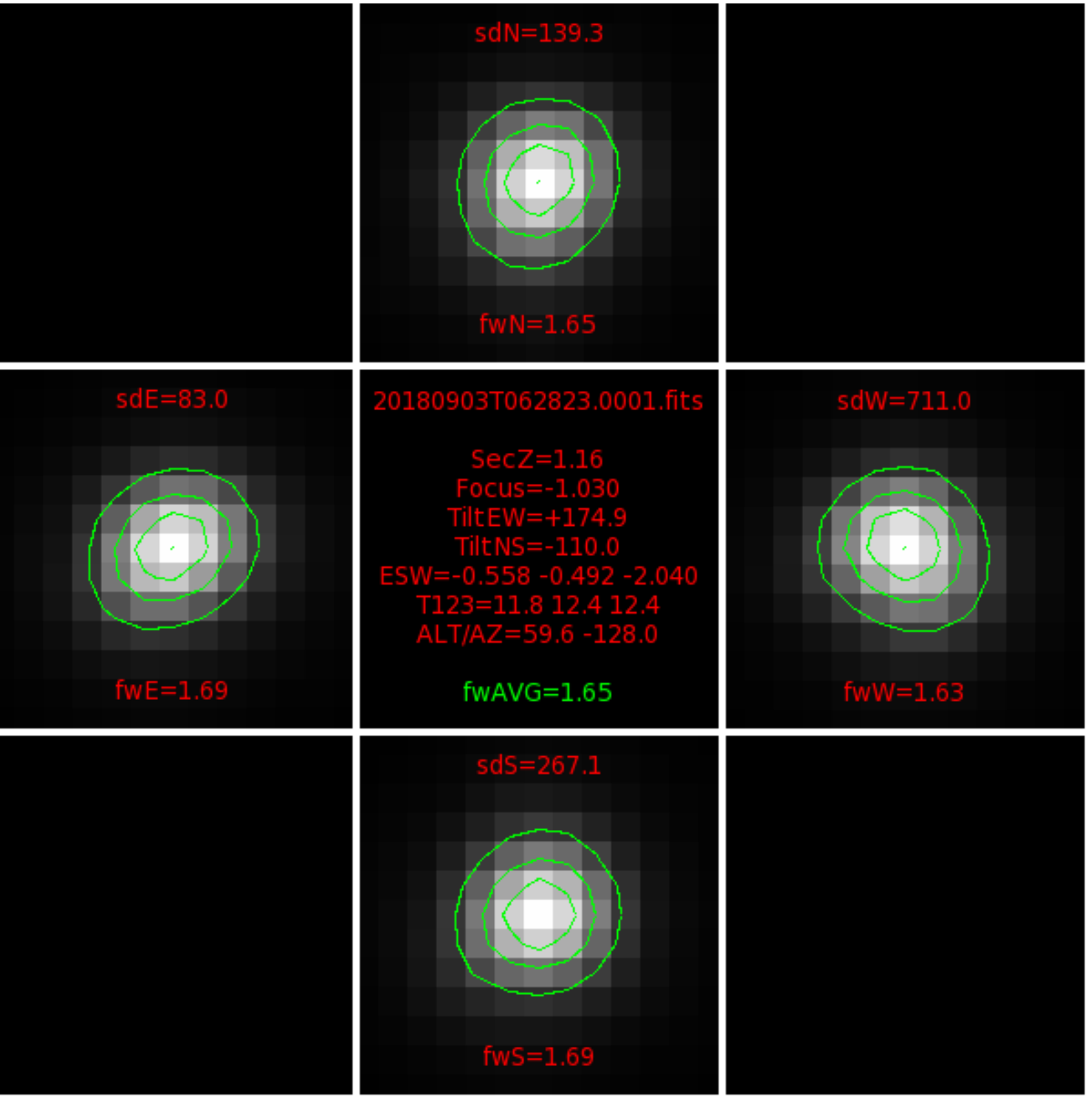
sdN=139.3
fwN=1.65
sdE=83.0
fwE=1.69
20180903T062823.0001.fits
SecZ=1.16
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.8 12.4 12.4
ALT/AZ=59.6 -128.0
fwAVG=1.65
sdW=711.0
fwW=1.63
sdS=267.1
fwS=1.69
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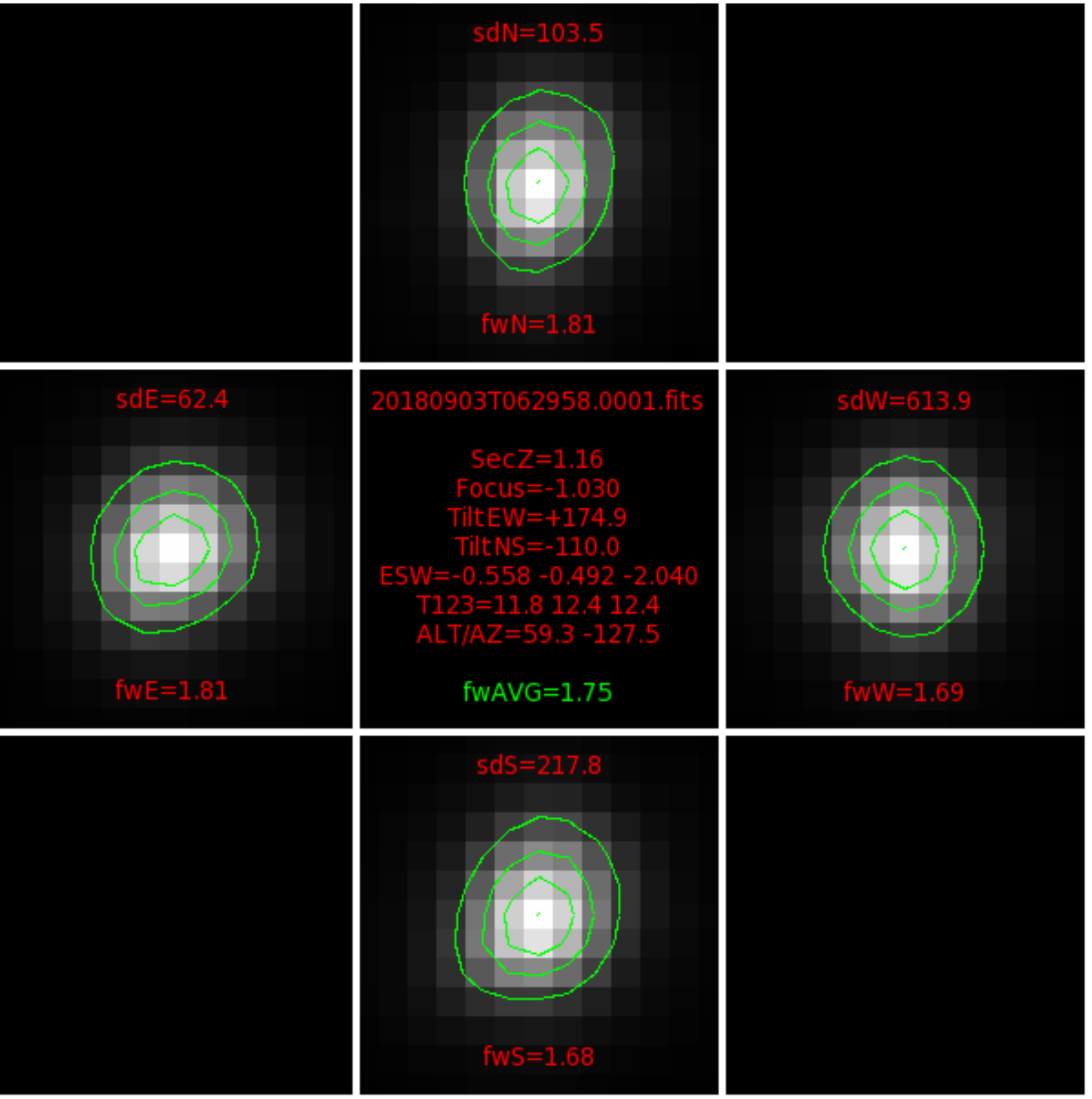
sdN=103.5
fwN=1.81
sdE=62.4
fwE=1.81
20180903T062958.0001.fits
SecZ=1.16
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.8 12.4 12.4
ALT/AZ=59.3 -127.5
fwAVG=1.75
sdW=613.9
fwW=1.69
sdS=217.8
fwS=1.68
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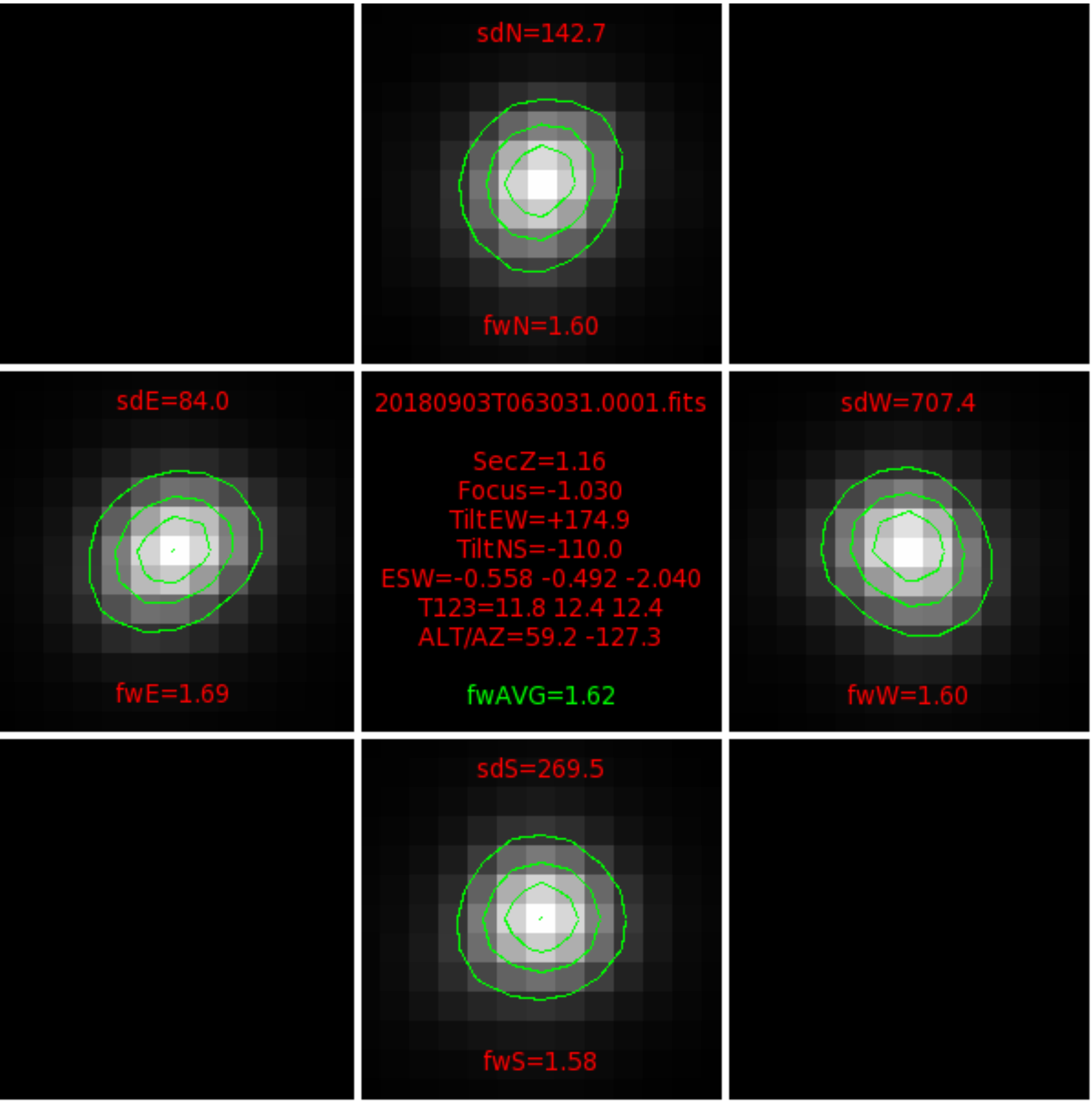
sdN=142.7
fwN=1.60
sdE=84.0
fwE=1.69
20180903T063031.0001.fits
SecZ=1.16
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.8 12.4 12.4
ALT/AZ=59.2 -127.3
fwAVG=1.62
sdW=707.4
fwW=1.60
sdS=269.5
fwS=1.58
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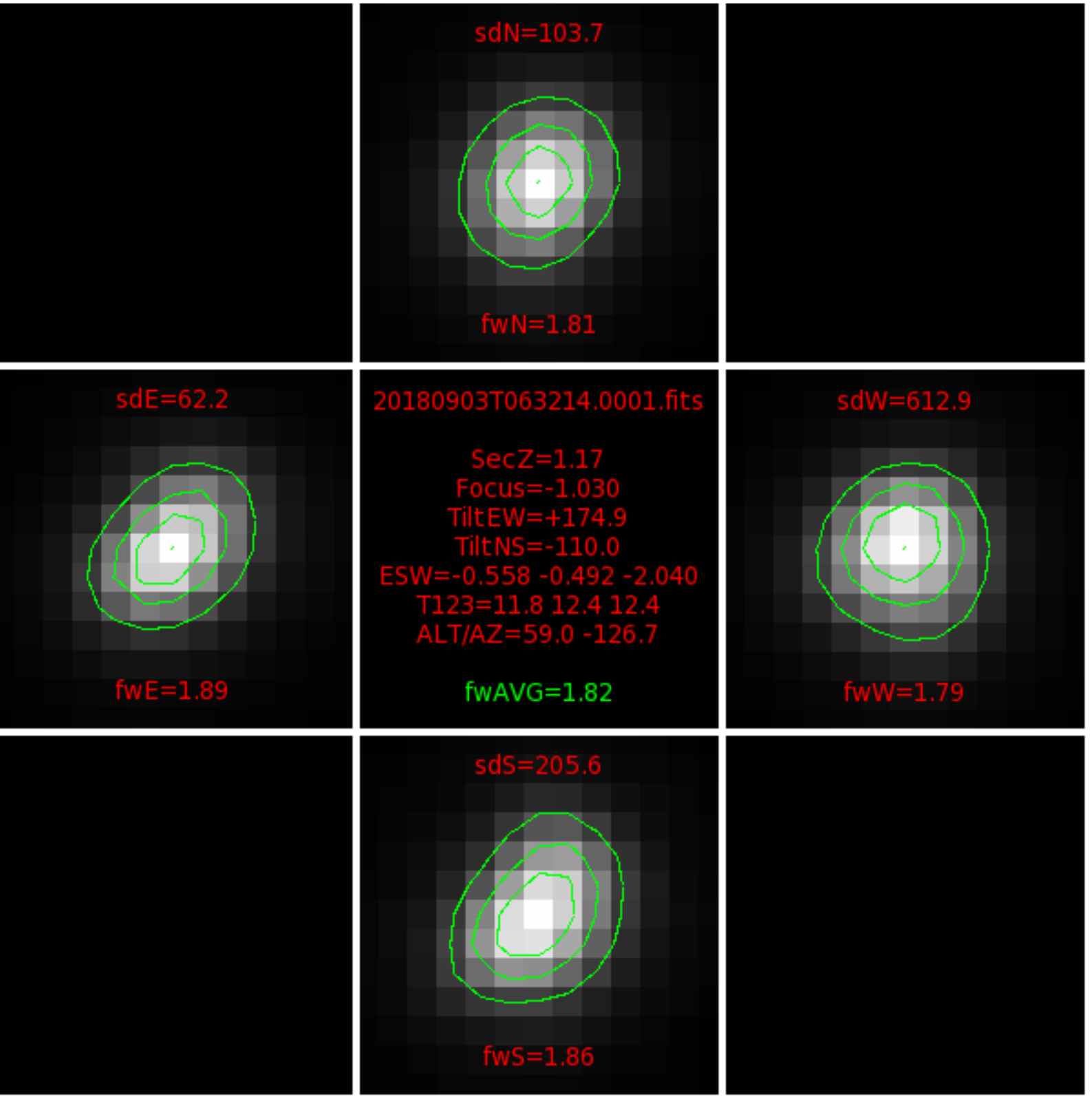
sdN=103.7
fwN=1.81
sdE=62.2
fwE=1.89
20180903T063214.0001.fits
SecZ=1.17
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.8 12.4 12.4
ALT/AZ=59.0 -126.7
fwAVG=1.82
sdW=612.9
fwW=1.79
sdS=205.6
fwS=1.86
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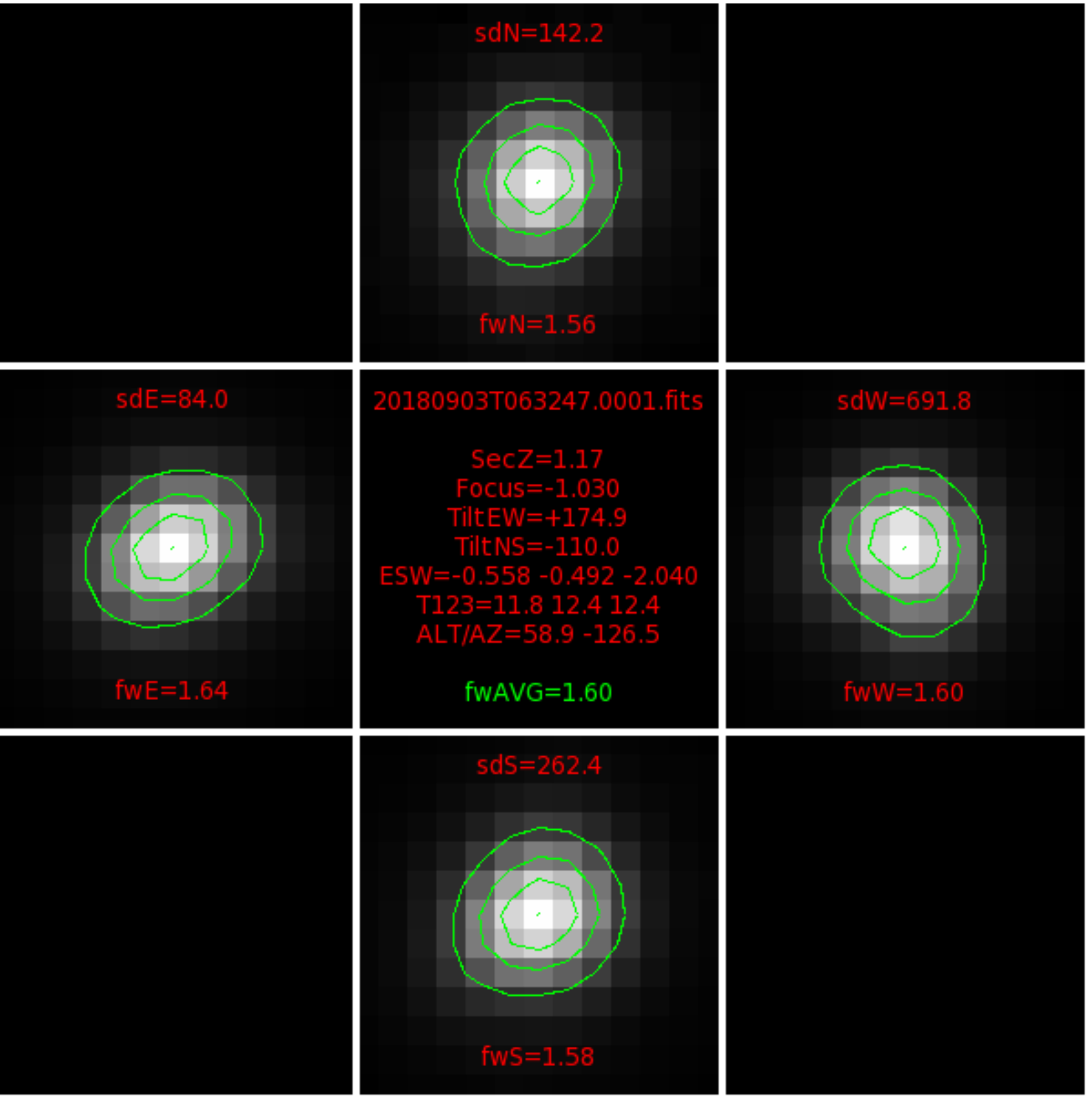
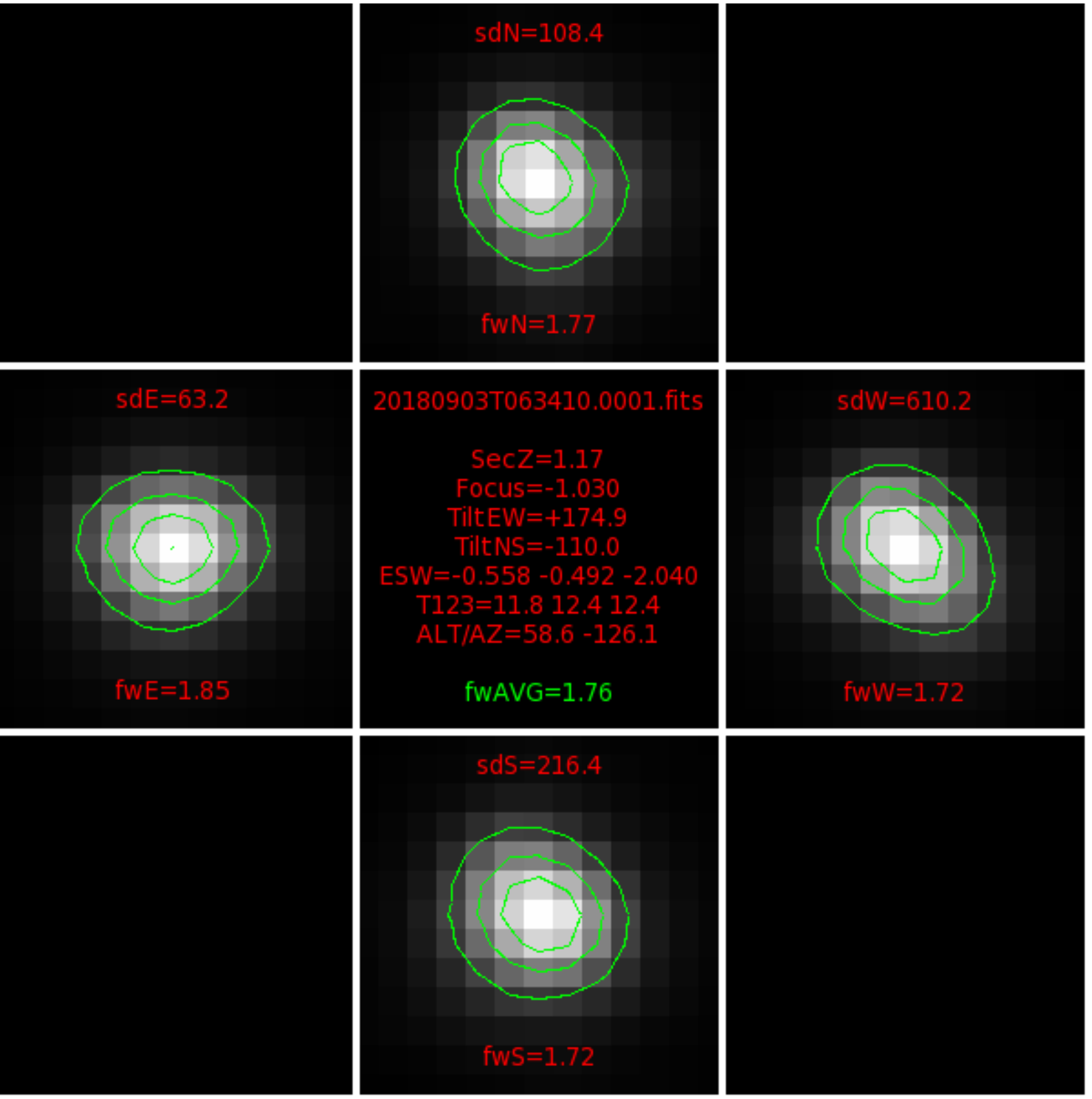
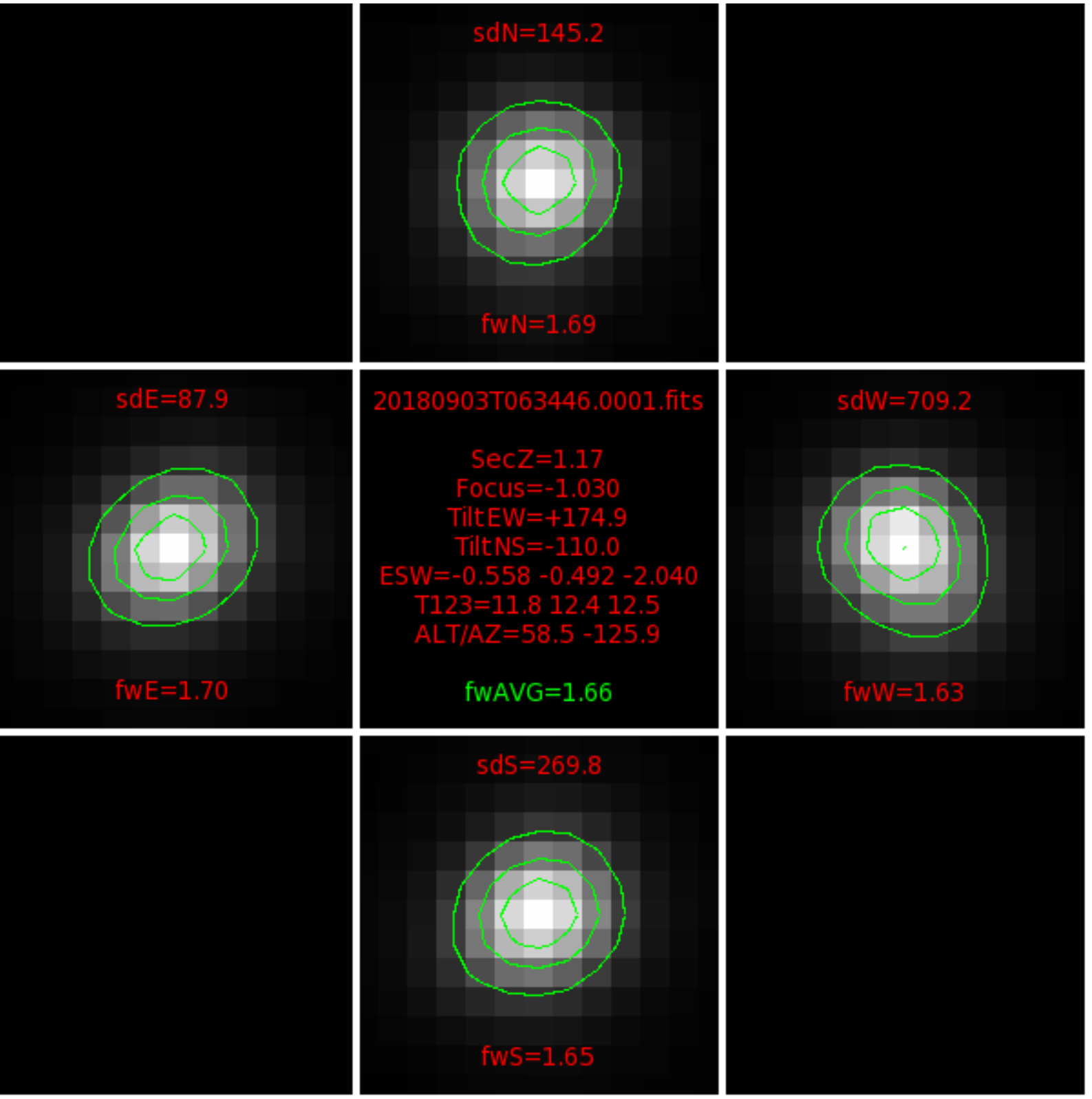

sdN=142.2
fwN=1.56
sdE=84.0
fwE=1.64
20180903T063247.0001.fits
SecZ=1.17
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.8 12.4 12.4
ALT/AZ=58.9 -126.5
fwAVG=1.60
sdW=691.8
fwW=1.60
sdS=262.4
fwS=1.58
0 0 0 0 0 0 0 0 0


sdN=108.4
fwN=1.77
sdE=63.2
fwE=1.85
20180903T063410.0001.fits
SecZ=1.17
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.8 12.4 12.4
ALT/AZ=58.6 -126.1
fwAVG=1.76
sdW=610.2
fwW=1.72
sdS=216.4
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=145.2
fwN=1.69
sdE=87.9
fwE=1.70
20180903T063446.0001.fits
SecZ=1.17
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.8 12.4 12.5
ALT/AZ=58.5 -125.9
fwAVG=1.66
sdW=709.2
fwW=1.63
sdS=269.8
fwS=1.65
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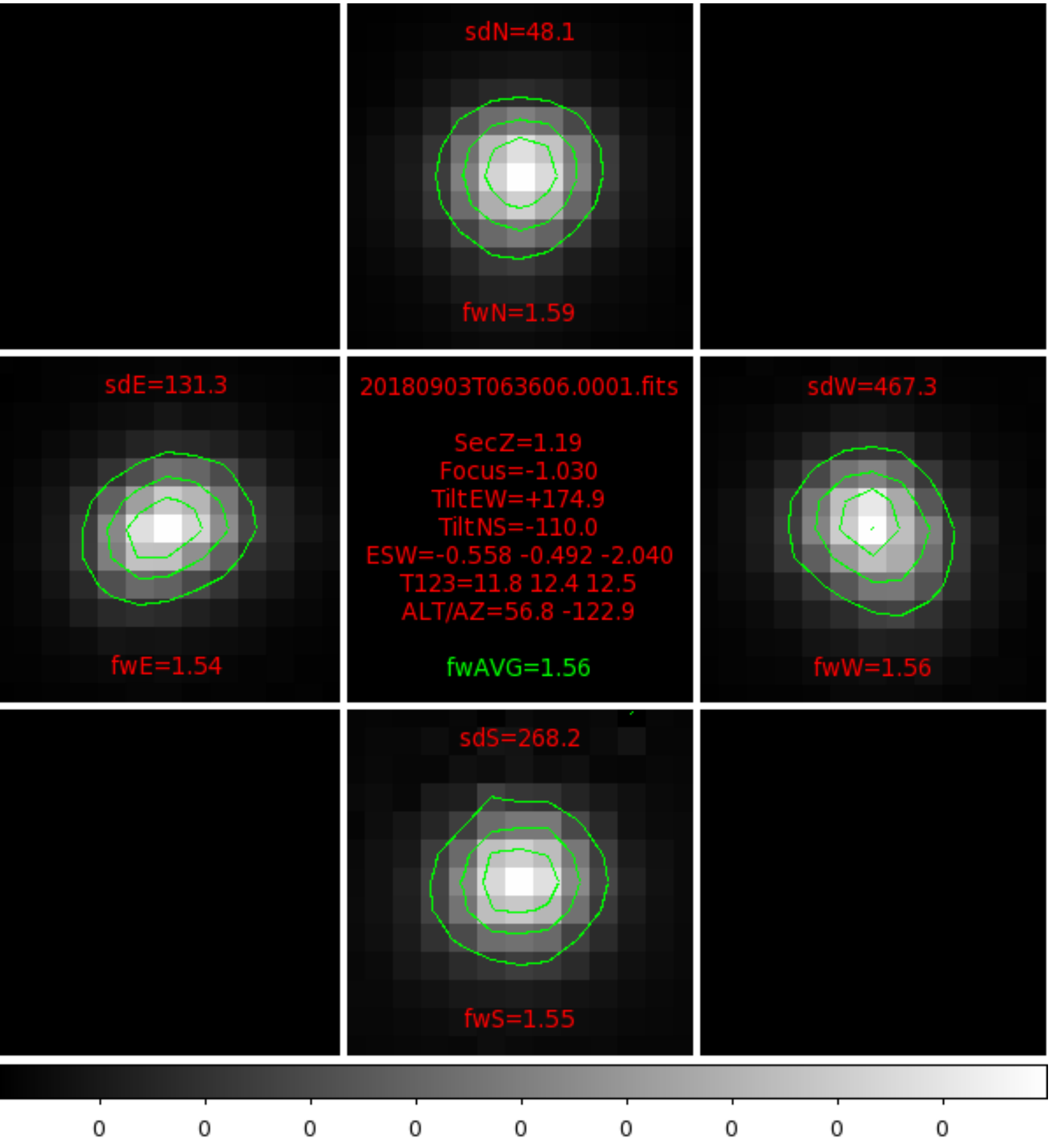
sdN=48.1
fwN=1.59
sdE=131.3
fwE=1.54
20180903T063606.0001.fits
SecZ=1.19
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.8 12.4 12.5
ALT/AZ=56.8 -122.9
fwAVG=1.56
sdW=467.3
fwW=1.56
sdS=268.2
fwS=1.55
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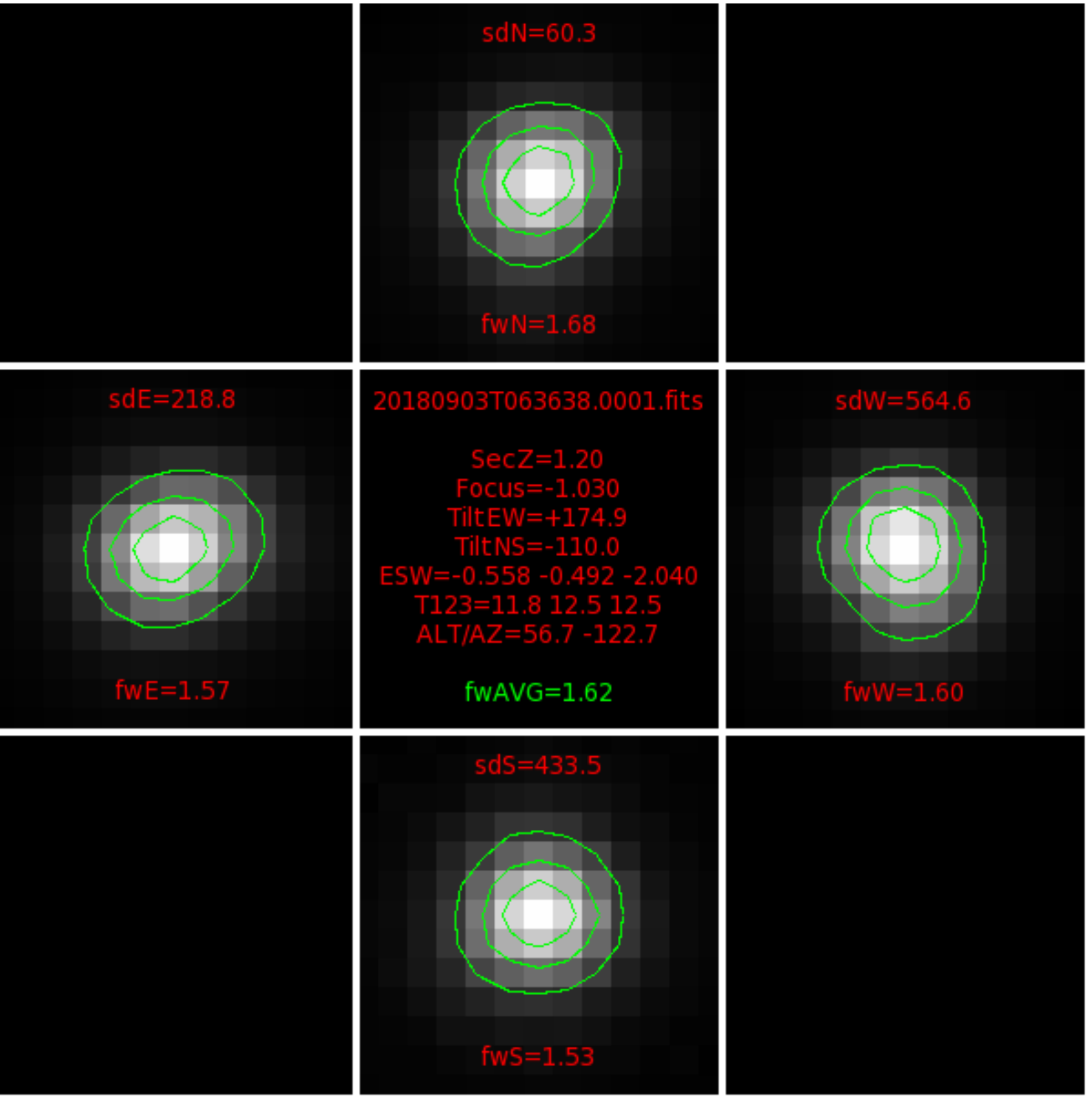
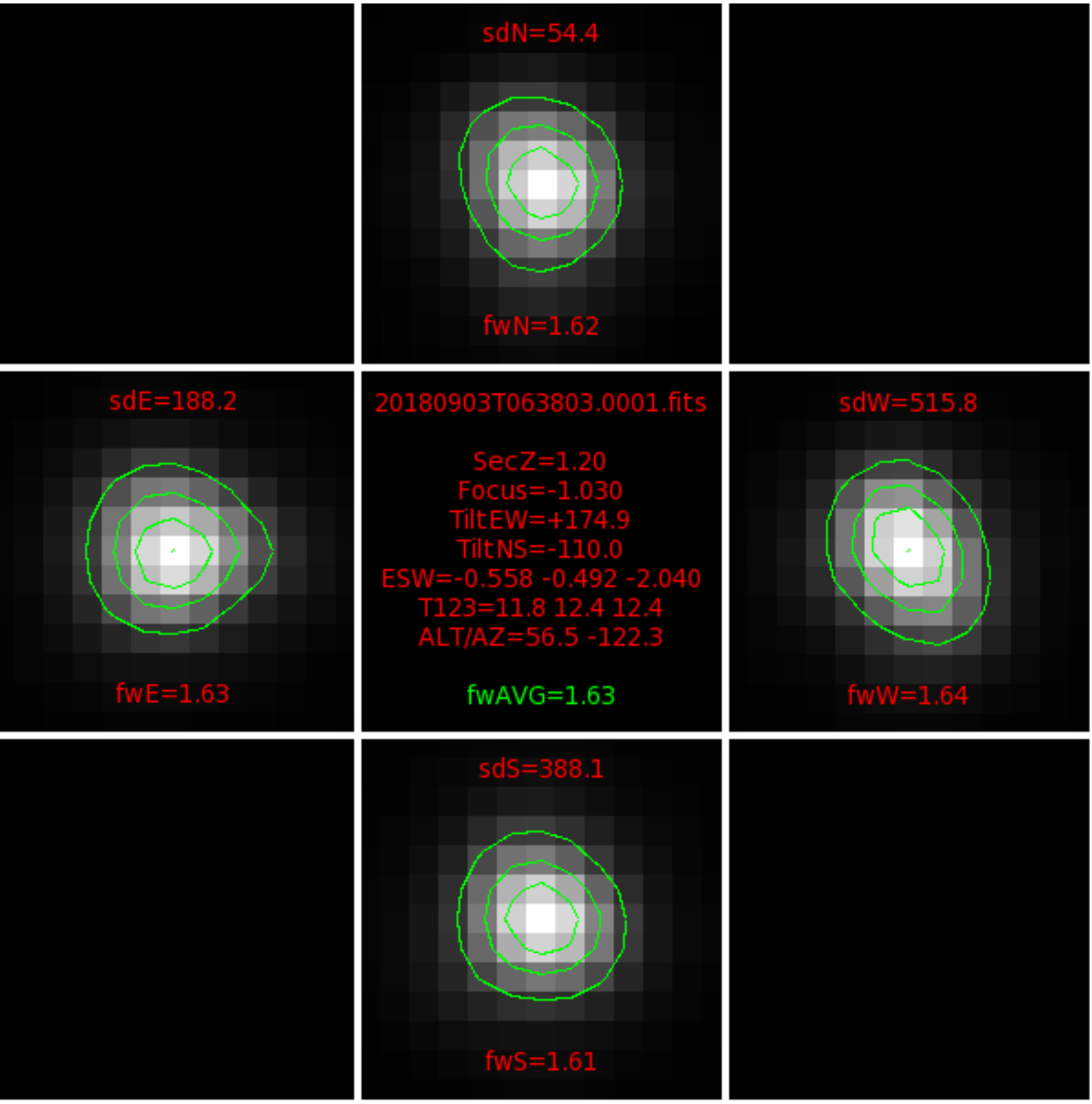
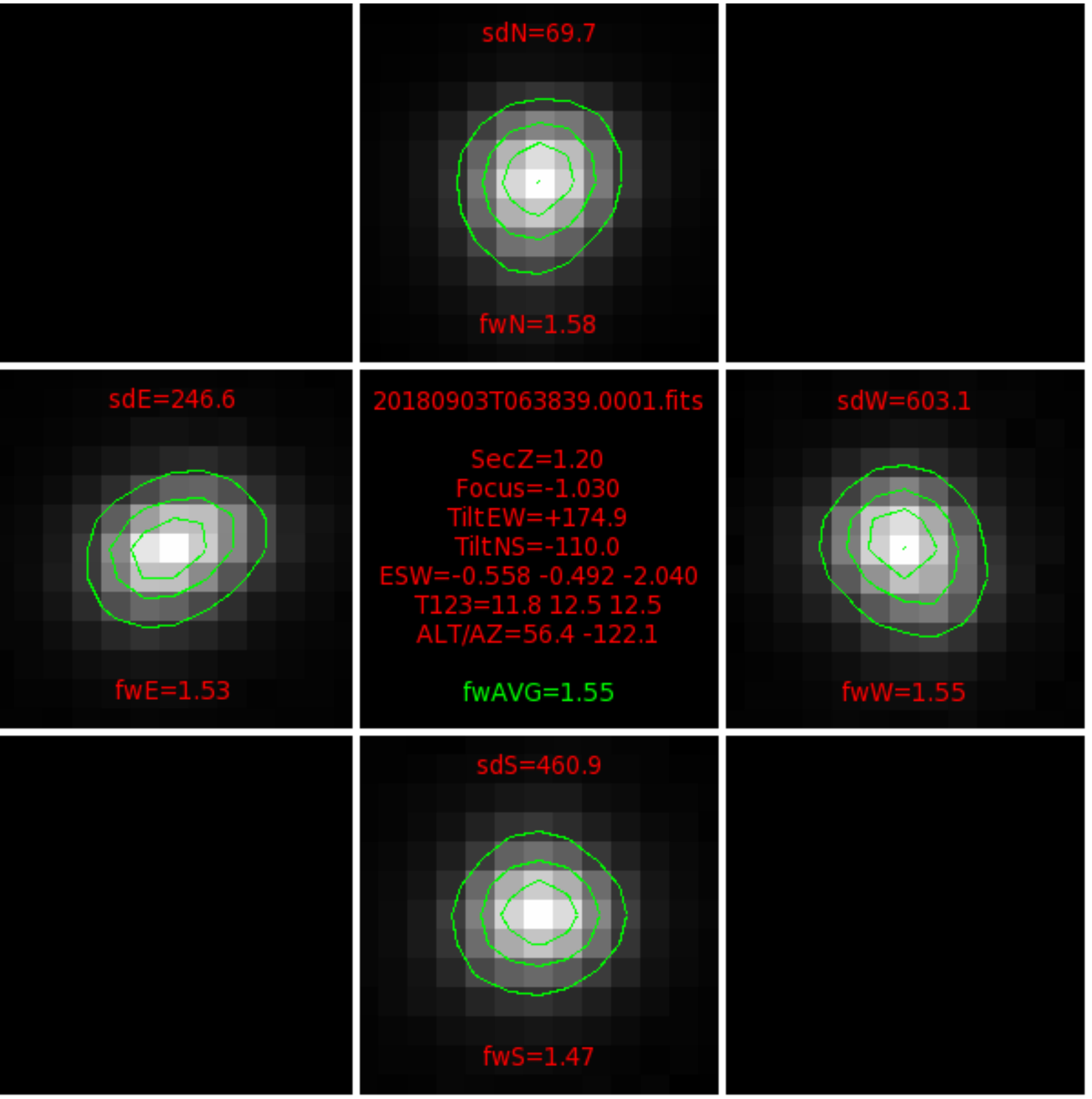
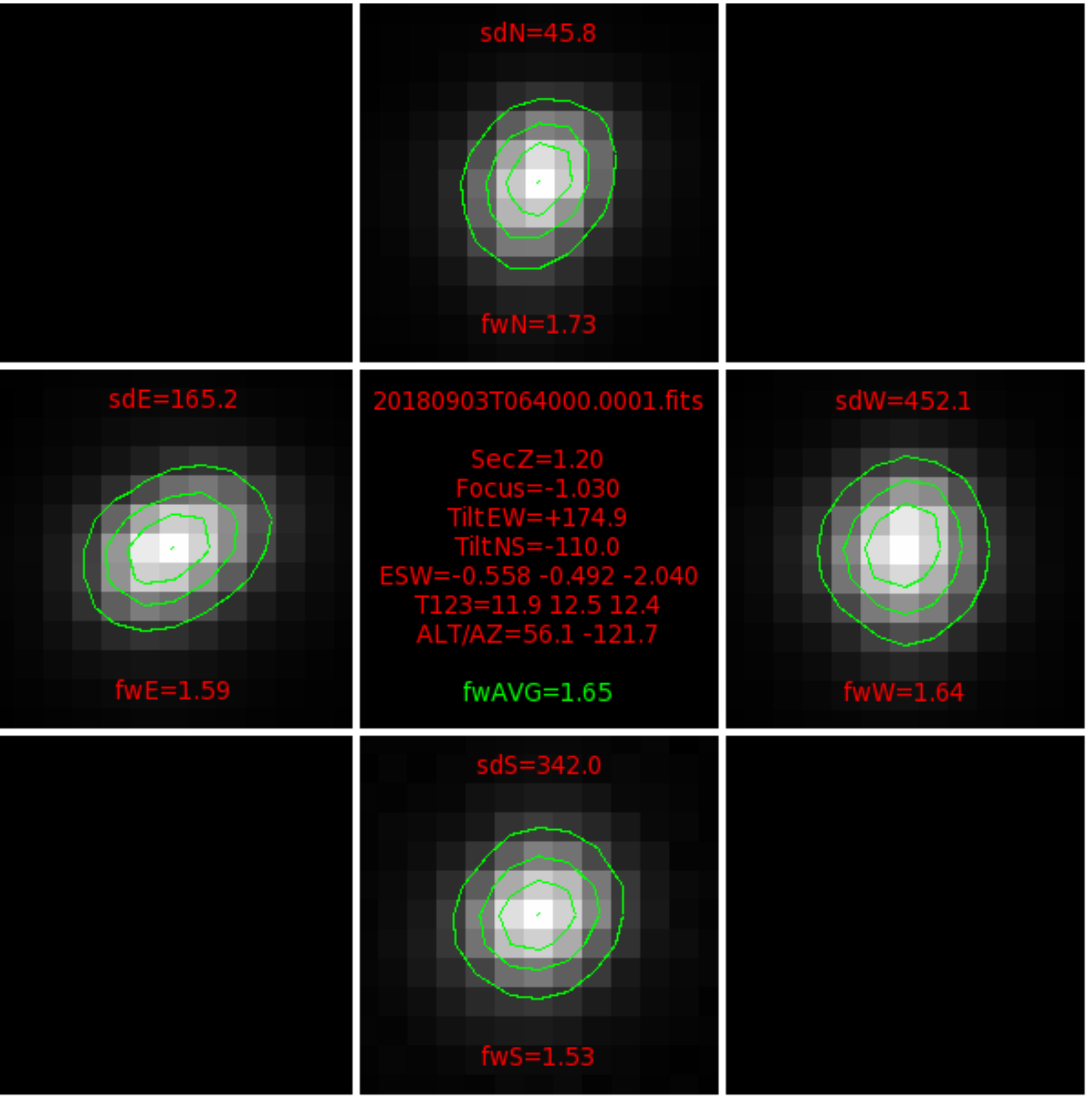

sdN=60.3
fwN=1.68
sdE=218.8
fwE=1.57
20180903T063638.0001.fits
SecZ=1.20
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.8 12.5 12.5
ALT/AZ=56.7 -122.7
fwAVG=1.62
sdW=564.6
fwW=1.60
sdS=433.5
fwS=1.53
0 0 0 0 0 0 0 0 0


sdN=54.4
fwN=1.62
sdE=188.2
fwE=1.63
20180903T063803.0001.fits
SecZ=1.20
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.8 12.4 12.4
ALT/AZ=56.5 -122.3
fwAVG=1.63
sdW=515.8
fwW=1.64
sdS=388.1
fwS=1.61
0 0 0 0 0 0 0 0 0


sdN=69.7
fwN=1.58
sdE=246.6
fwE=1.53
20180903T063839.0001.fits
SecZ=1.20
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.8 12.5 12.5
ALT/AZ=56.4 -122.1
fwAVG=1.55
sdW=603.1
fwW=1.55
sdS=460.9
fwS=1.47
0 0 0 0 0 0 0 0 0


sdN=45.8
fwN=1.73
sdE=165.2
fwE=1.59
20180903T064000.0001.fits
SecZ=1.20
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.9 12.5 12.4
ALT/AZ=56.1 -121.7
fwAVG=1.65
sdW=452.1
fwW=1.64
sdS=342.0
fwS=1.53
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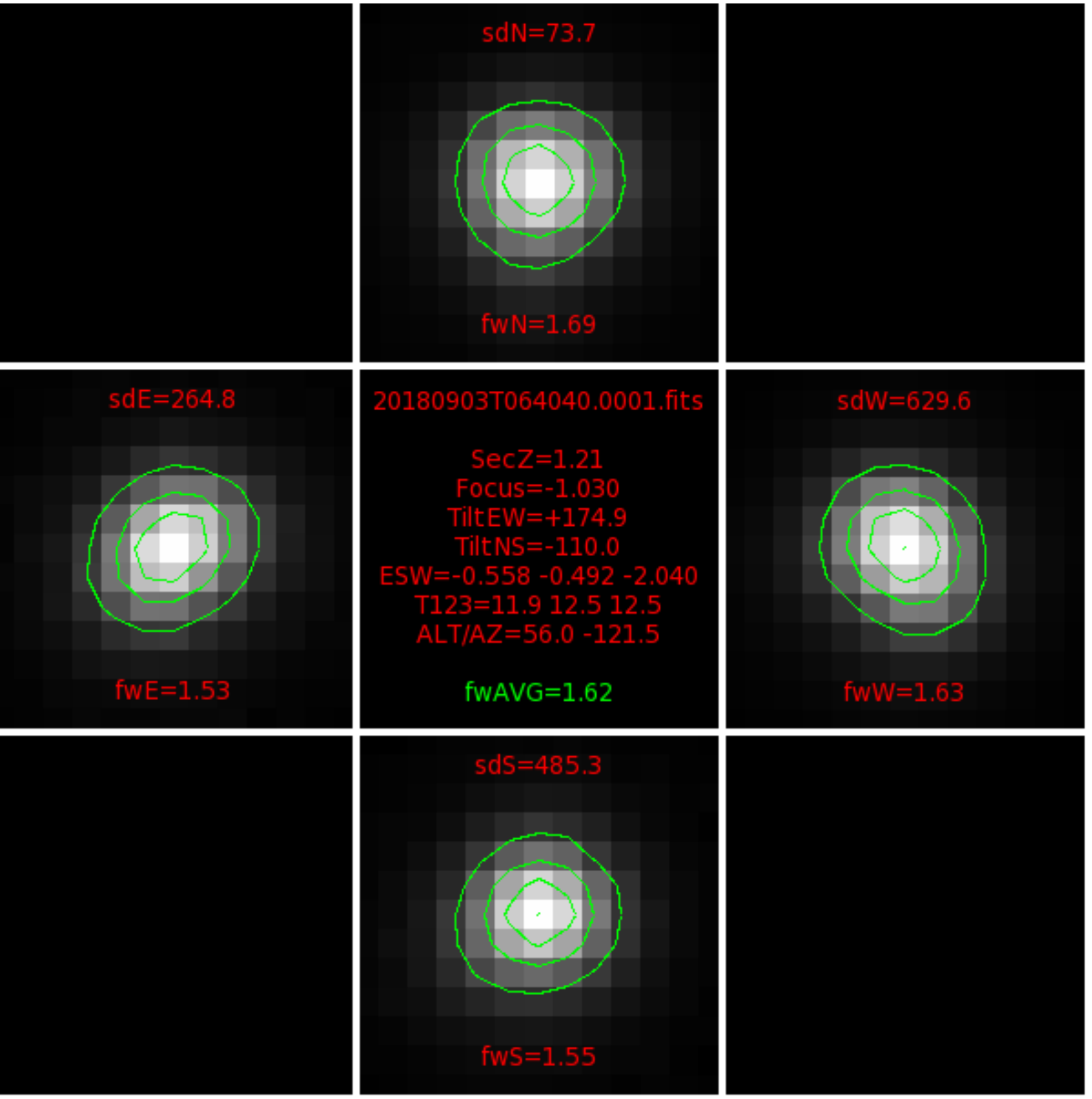
sdN=73.7
fwN=1.69
sdE=264.8
fwE=1.53
20180903T064040.0001.fits
SecZ=1.21
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.9 12.5 12.5
ALT/AZ=56.0 -121.5
fwAVG=1.62
sdW=629.6
fwW=1.63
sdS=485.3
fwS=1.55
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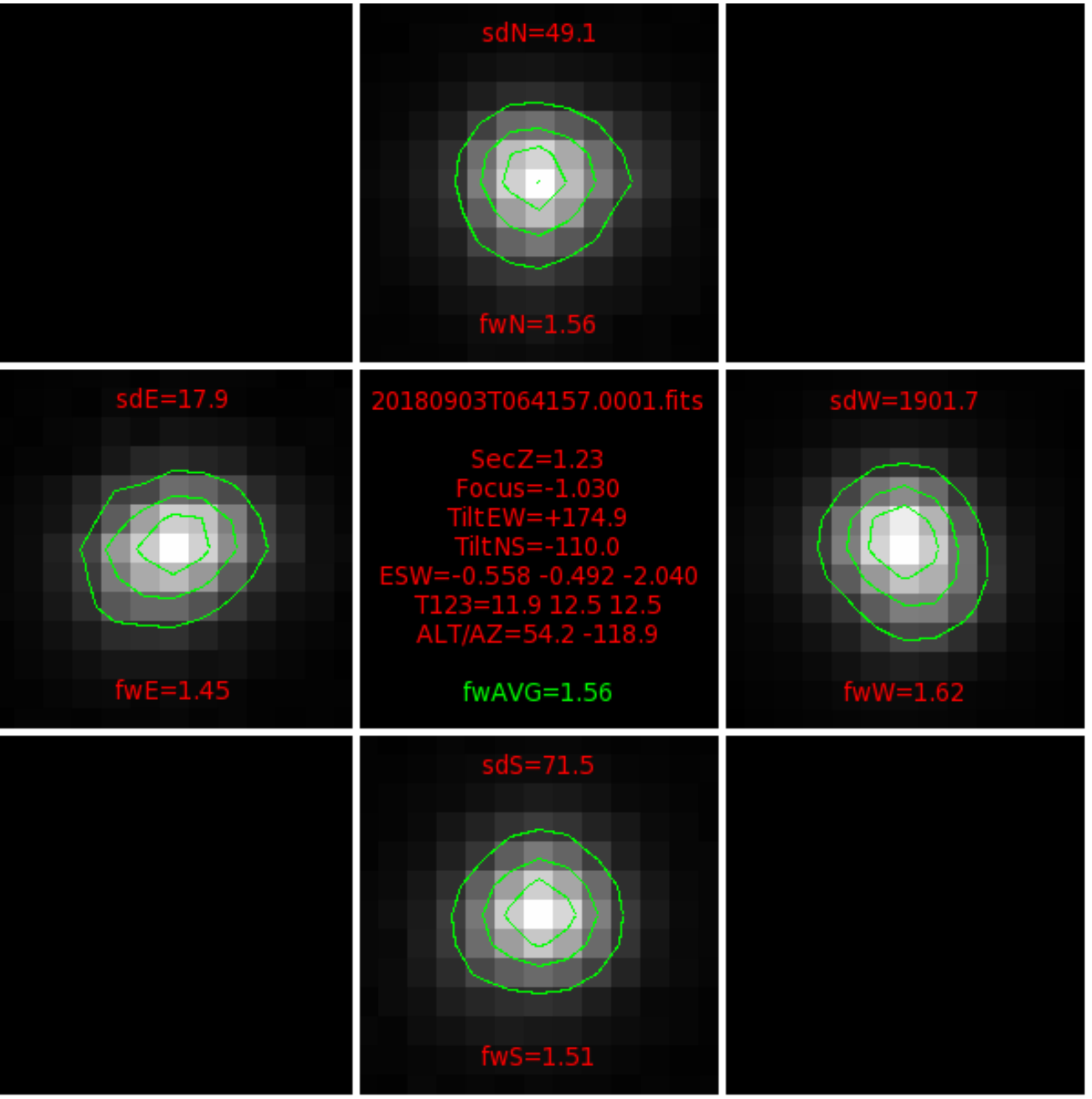
sdN=49.1
fwN=1.56
sdE=17.9
fwE=1.45
20180903T064157.0001.fits
SecZ=1.23
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.9 12.5 12.5
ALT/AZ=54.2 -118.9
fwAVG=1.56
sdW=1901.7
fwW=1.62
sdS=71.5
fwS=1.51
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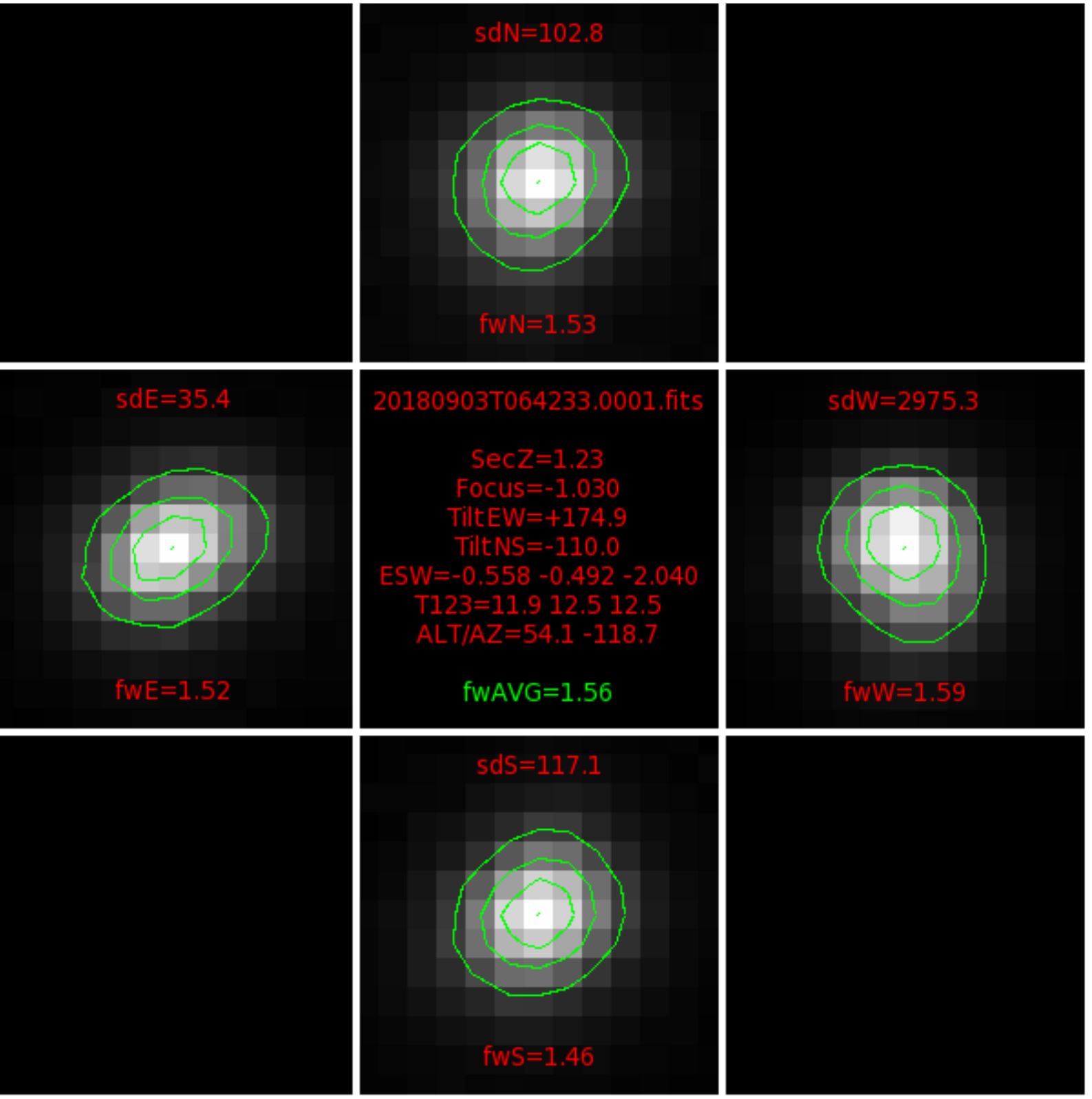
sdN=102.8
fwN=1.53
sdE=35.4
fwE=1.52
20180903T064233.0001.fits
SecZ=1.23
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.9 12.5 12.5
ALT/AZ=54.1 -118.7
fwAVG=1.56
sdW=2975.3
fwW=1.59
sdS=117.1
fwS=1.46
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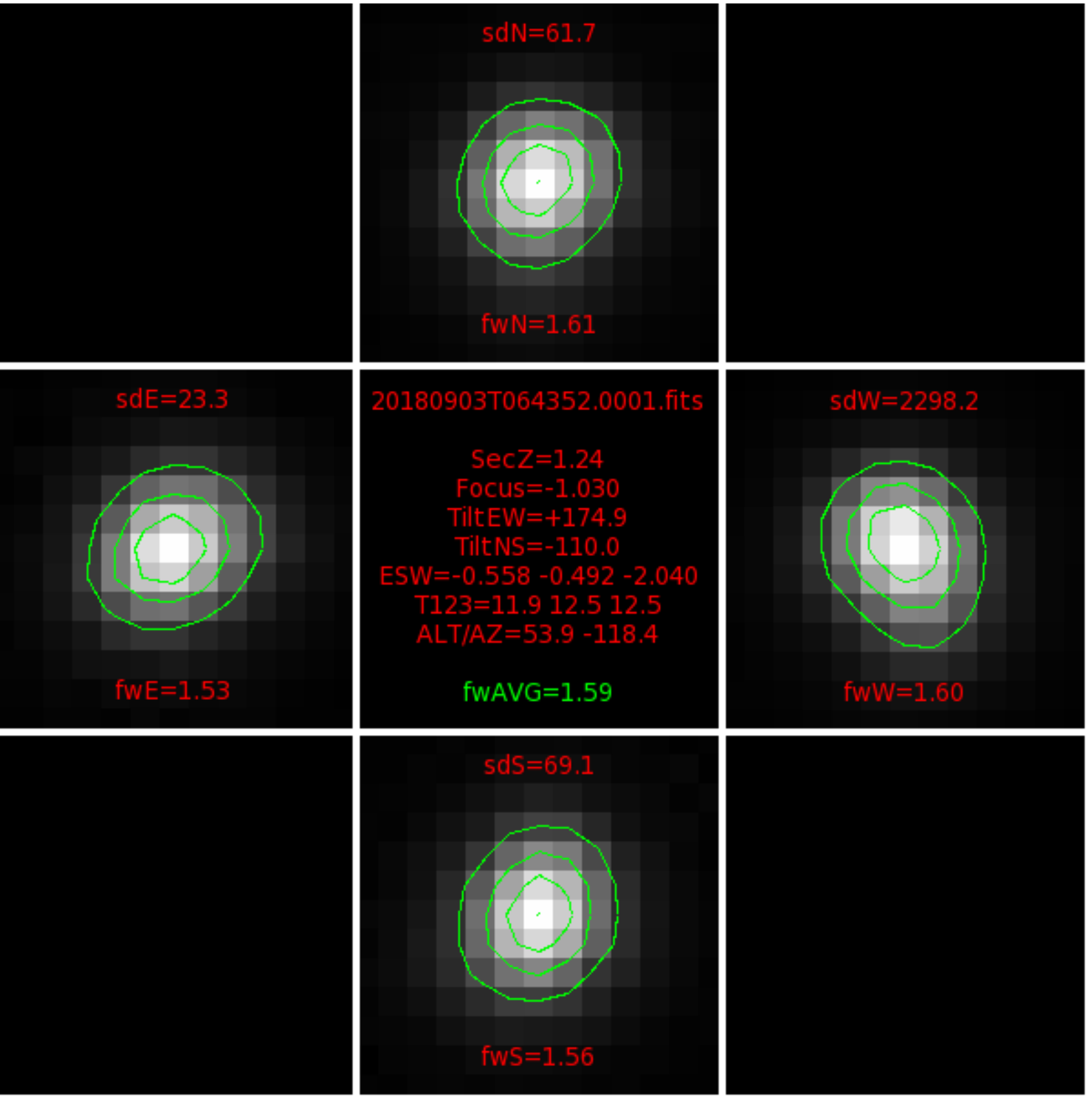
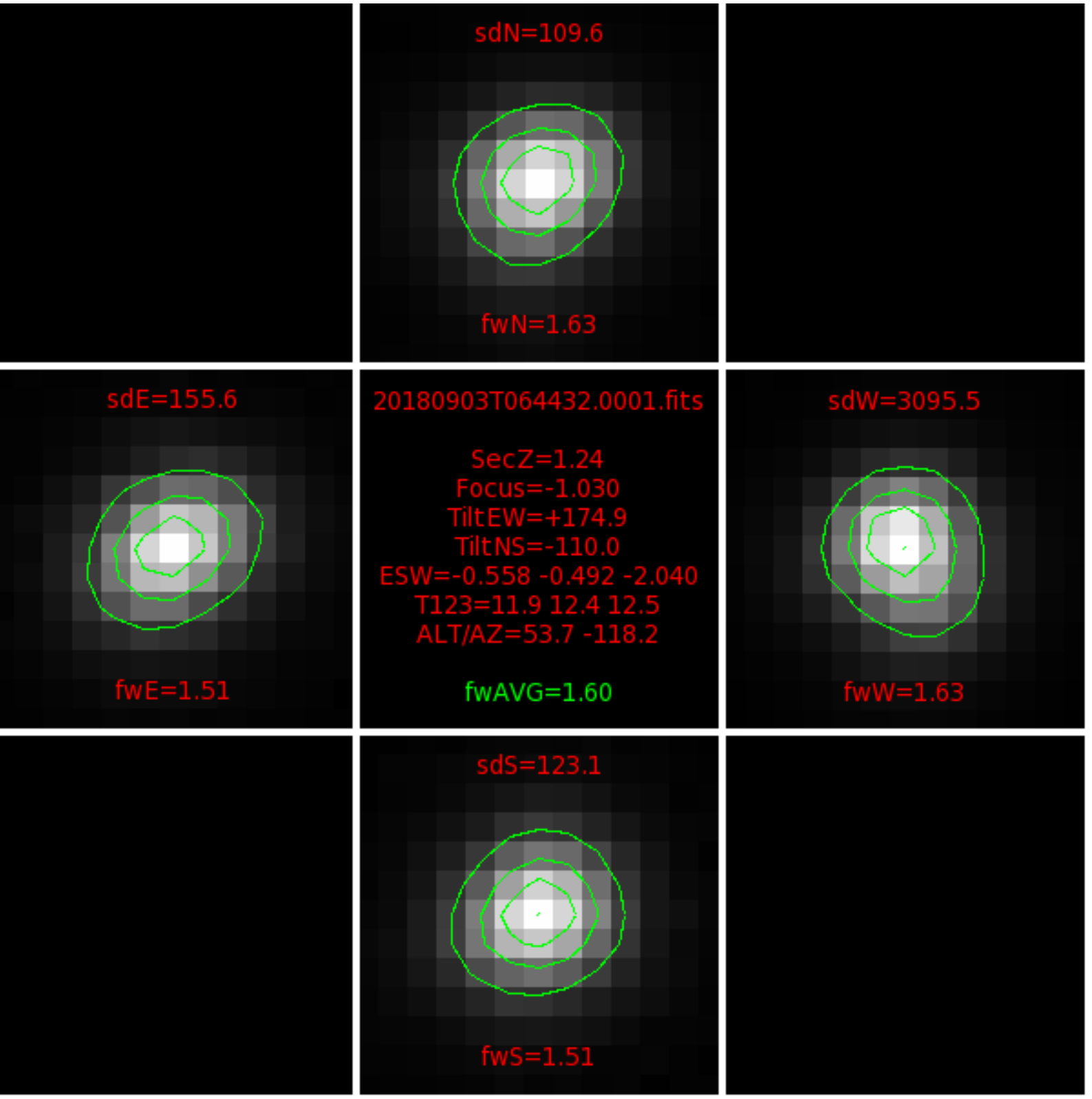
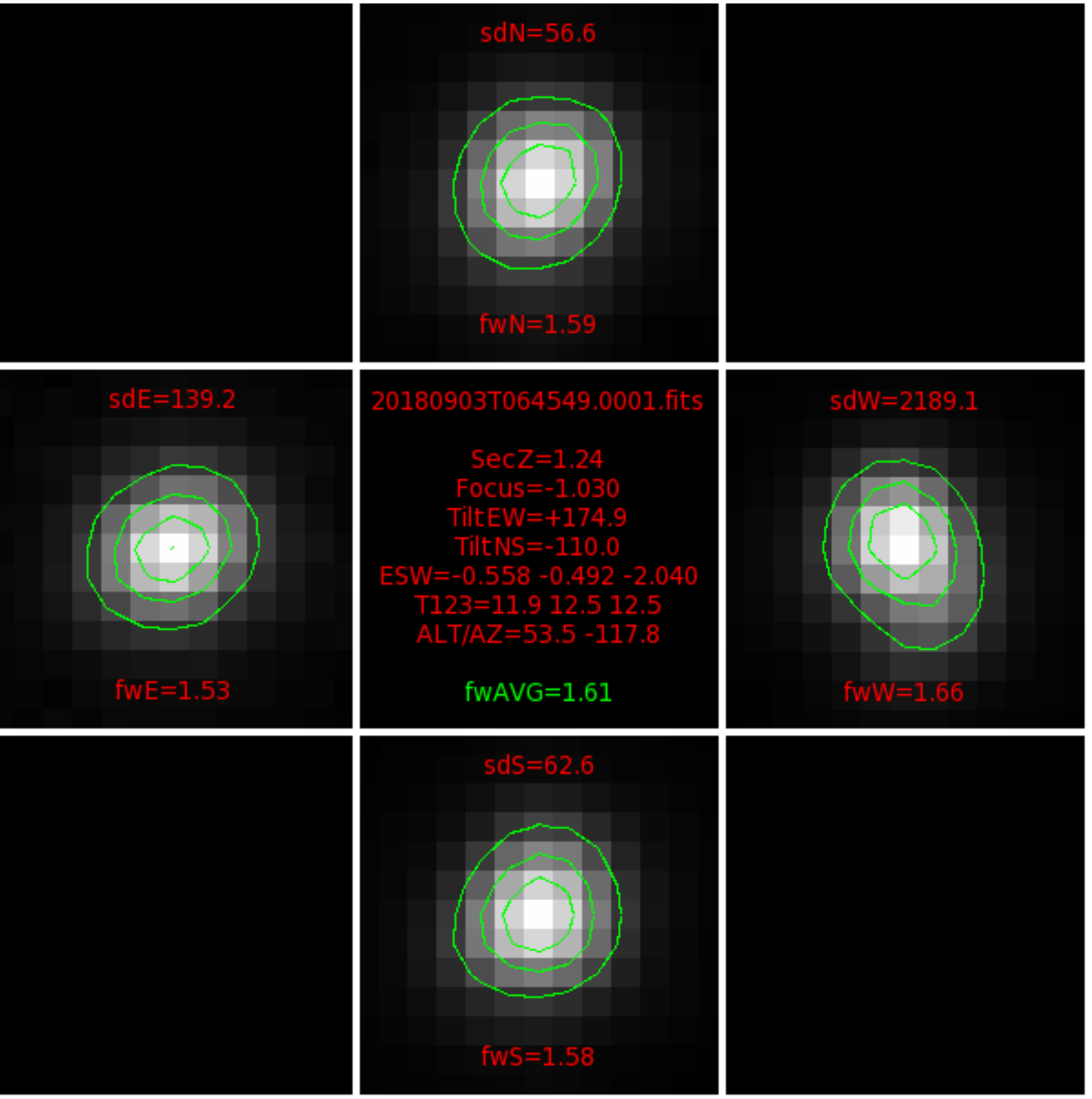

sdN=61.7
fwN=1.61
sdE=23.3
fwE=1.53
20180903T064352.0001.fits
SecZ=1.24
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.9 12.5 12.5
ALT/AZ=53.9 -118.4
fwAVG=1.59
sdW=2298.2
fwW=1.60
sdS=69.1
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=109.6
fwN=1.63
sdE=155.6
fwE=1.51
20180903T064432.0001.fits
SecZ=1.24
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.9 12.4 12.5
ALT/AZ=53.7 -118.2
fwAVG=1.60
sdW=3095.5
fwW=1.63
sdS=123.1
fwS=1.51
0 0 0 0 0 0 0 0 0


sdN=56.6
fwN=1.59
sdE=139.2
fwE=1.53
20180903T064549.0001.fits
SecZ=1.24
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.9 12.5 12.5
ALT/AZ=53.5 -117.8
fwAVG=1.61
sdW=2189.1
fwW=1.66
sdS=62.6
fwS=1.58
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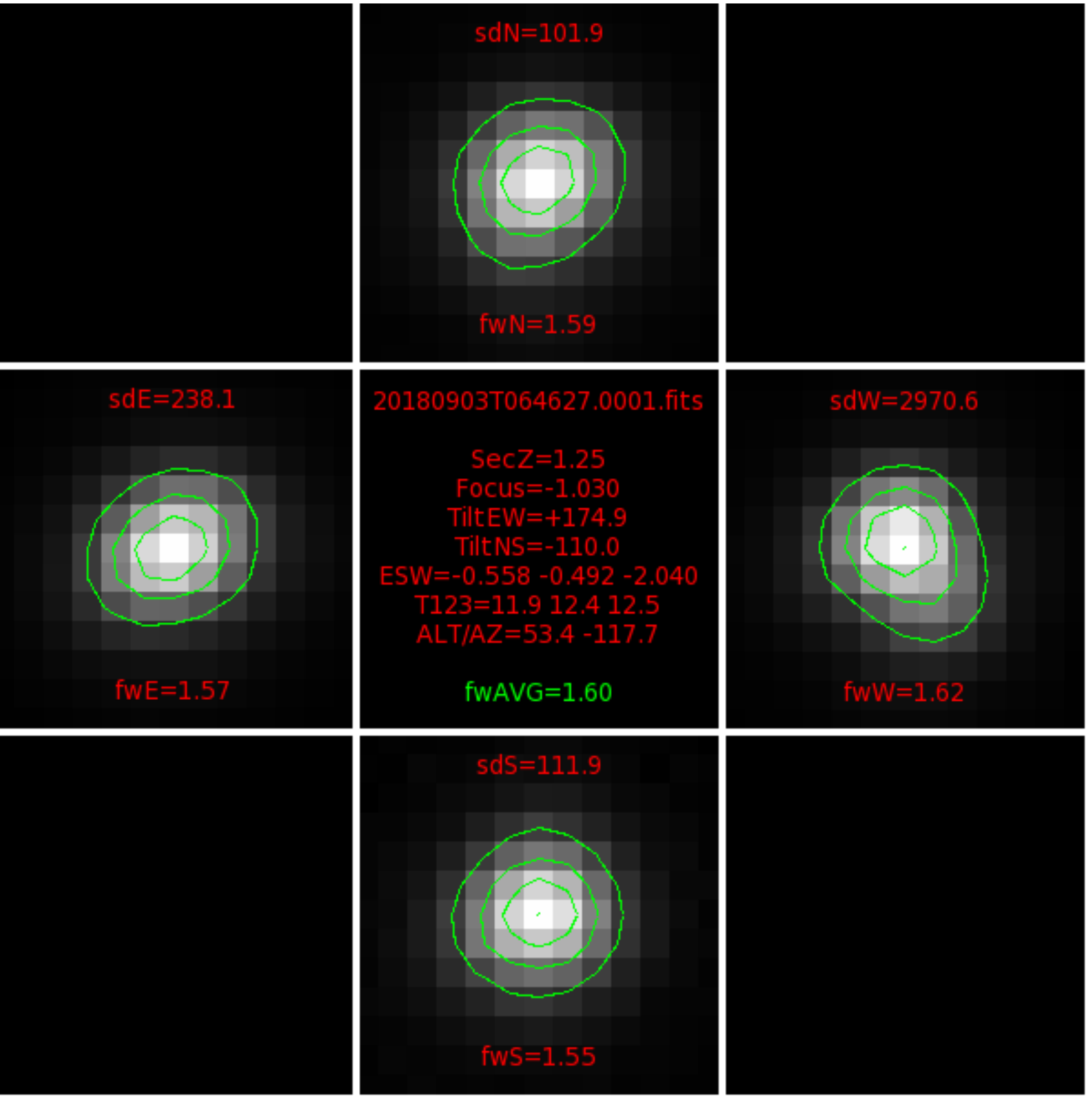
sdN=101.9
fwN=1.59
sdE=238.1
fwE=1.57
20180903T064627.0001.fits
SecZ=1.25
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.9 12.4 12.5
ALT/AZ=53.4 -117.7
fwAVG=1.60
sdW=2970.6
fwW=1.62
sdS=111.9
fwS=1.55
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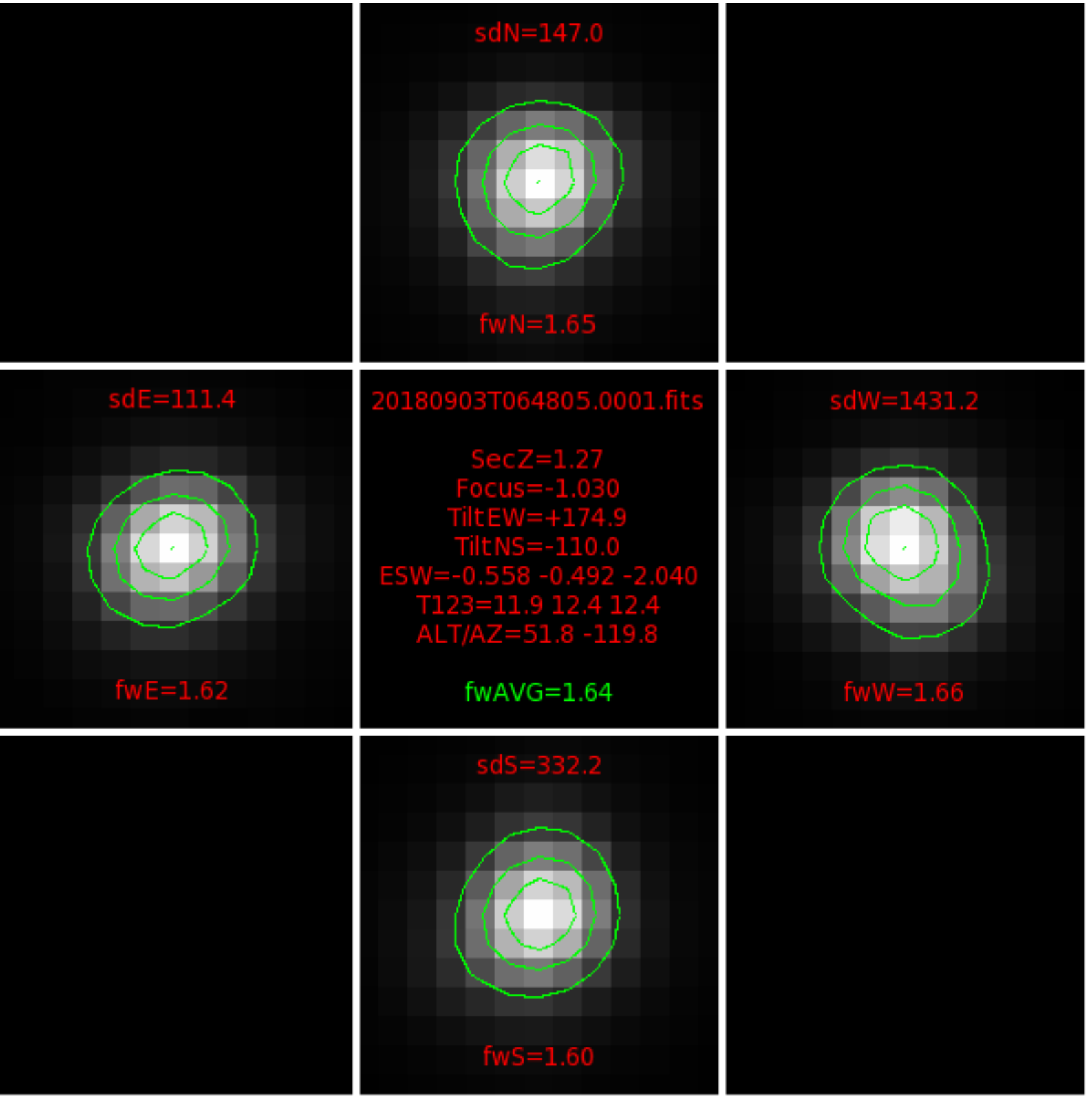
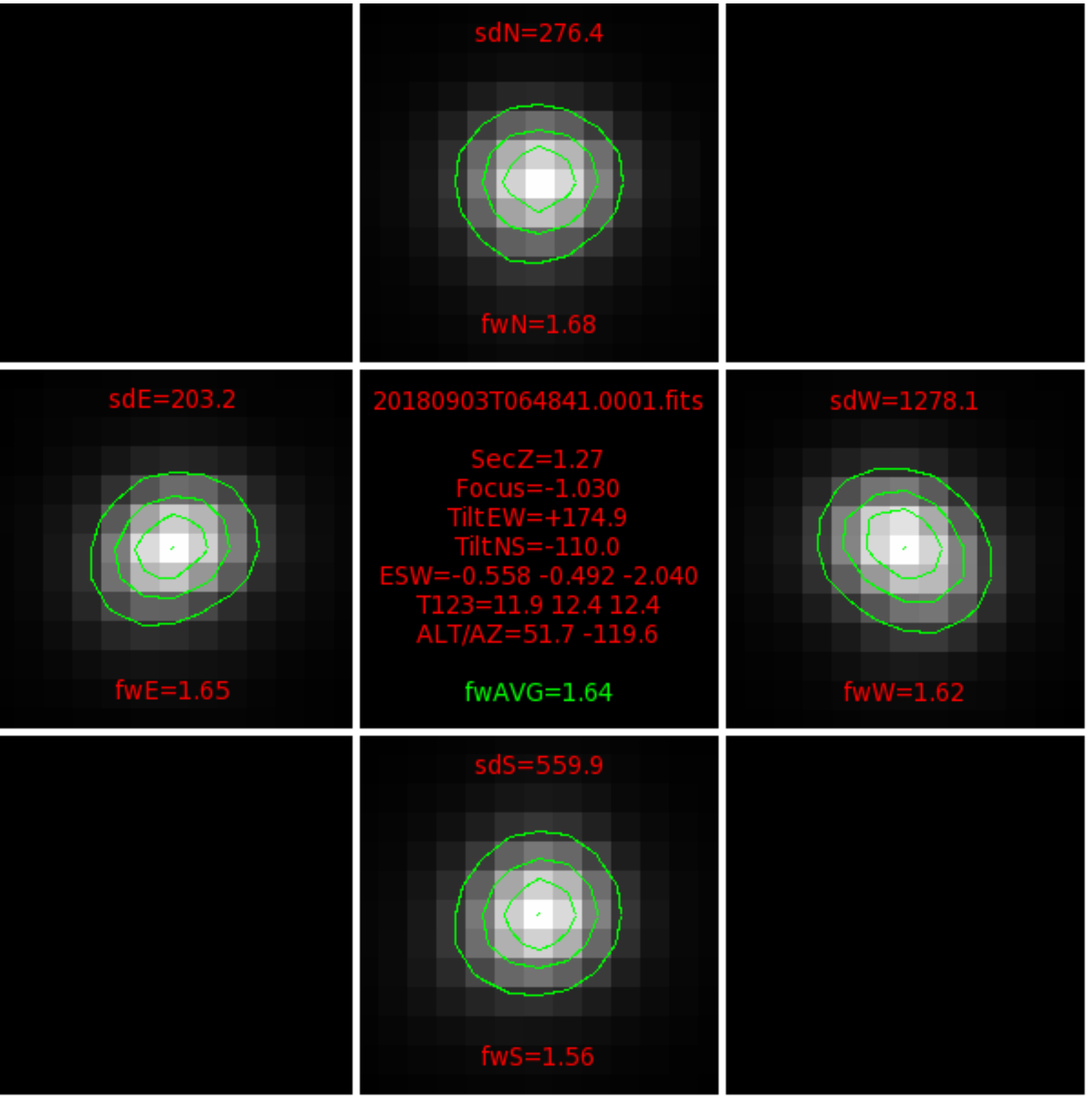

sdN=147.0
fwN=1.65
sdE=111.4
fwE=1.62
20180903T064805.0001.fits
SecZ=1.27
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.9 12.4 12.4
ALT/AZ=51.8 -119.8
fwAVG=1.64
sdW=1431.2
fwW=1.66
sdS=332.2
fwS=1.60
0 0 0 0 0 0 0 0 0


sdN=276.4
fwN=1.68
sdE=203.2
fwE=1.65
20180903T064841.0001.fits
SecZ=1.27
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.9 12.4 12.4
ALT/AZ=51.7 -119.6
fwAVG=1.64
sdW=1278.1
fwW=1.62
sdS=559.9
fwS=1.56
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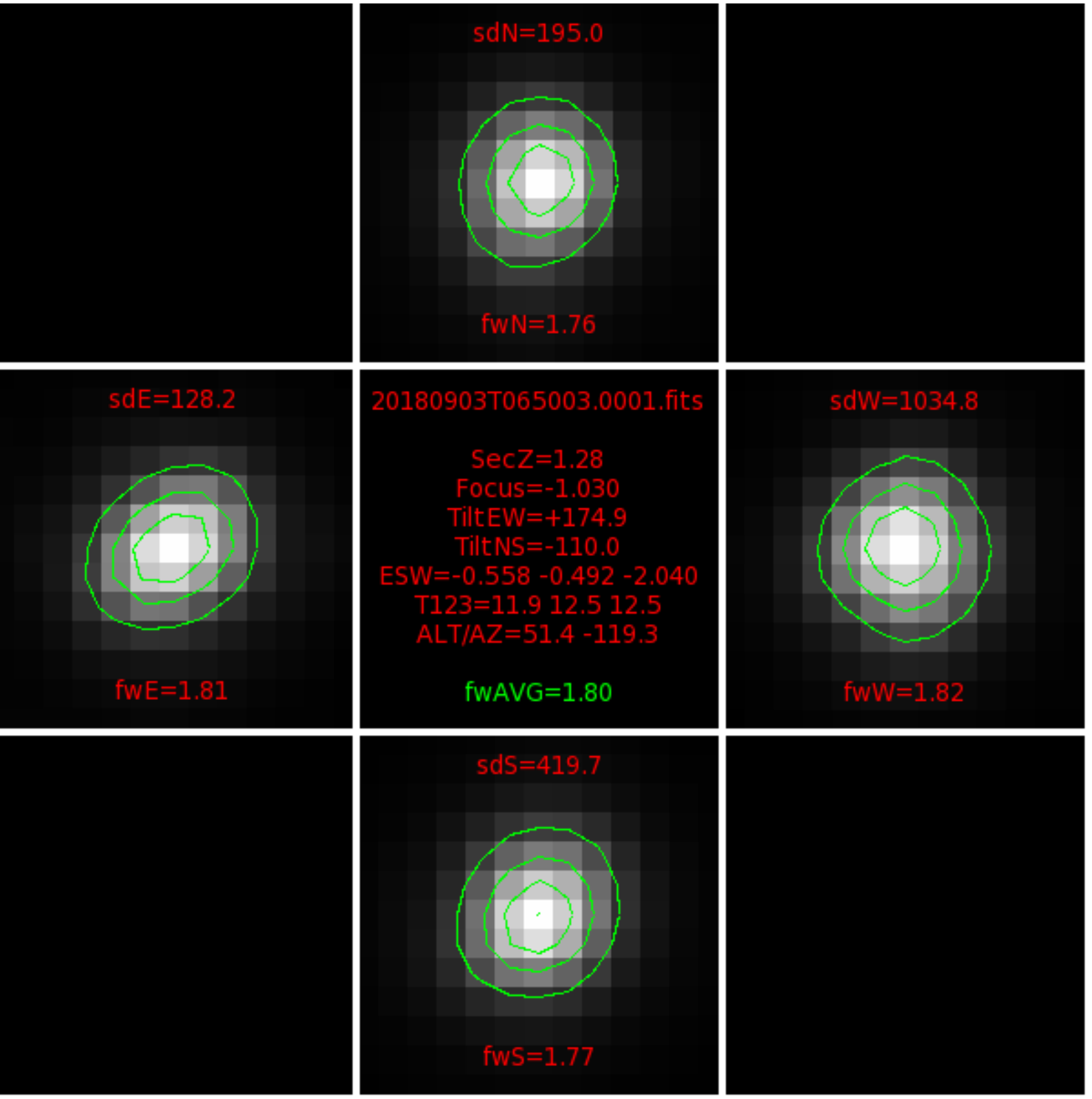
sdN=195.0
fwN=1.76
sdE=128.2
fwE=1.81
20180903T065003.0001.fits
SecZ=1.28
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.9 12.5 12.5
ALT/AZ=51.4 -119.3
fwAVG=1.80
sdW=1034.8
fwW=1.82
sdS=419.7
fwS=1.77
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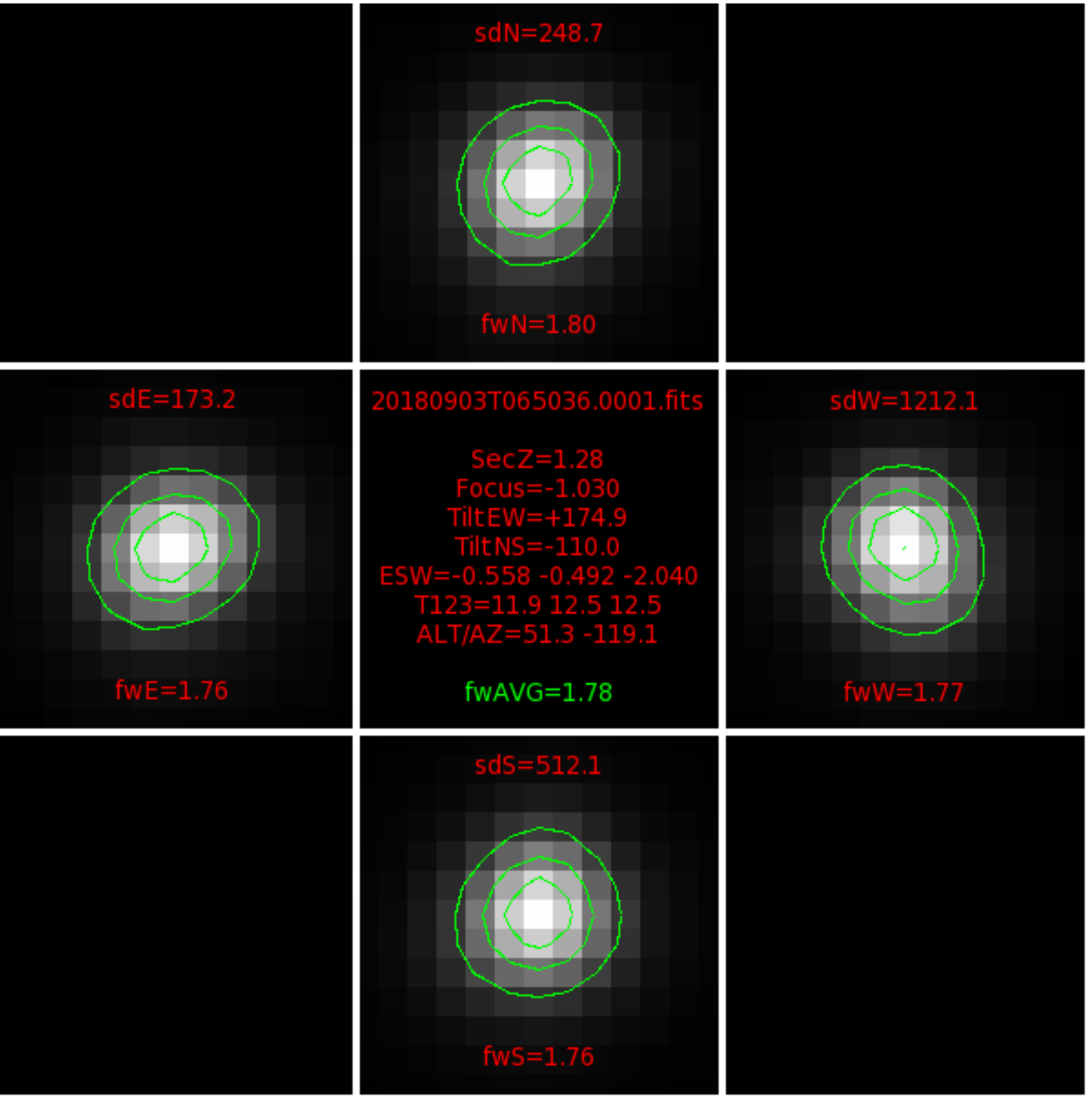
sdN=248.7
fwN=1.80
sdE=173.2
fwE=1.76
20180903T065036.0001.fits
SecZ=1.28
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.9 12.5 12.5
ALT/AZ=51.3 -119.1
fwAVG=1.78
sdW=1212.1
fwW=1.77
sdS=512.1
fwS=1.76
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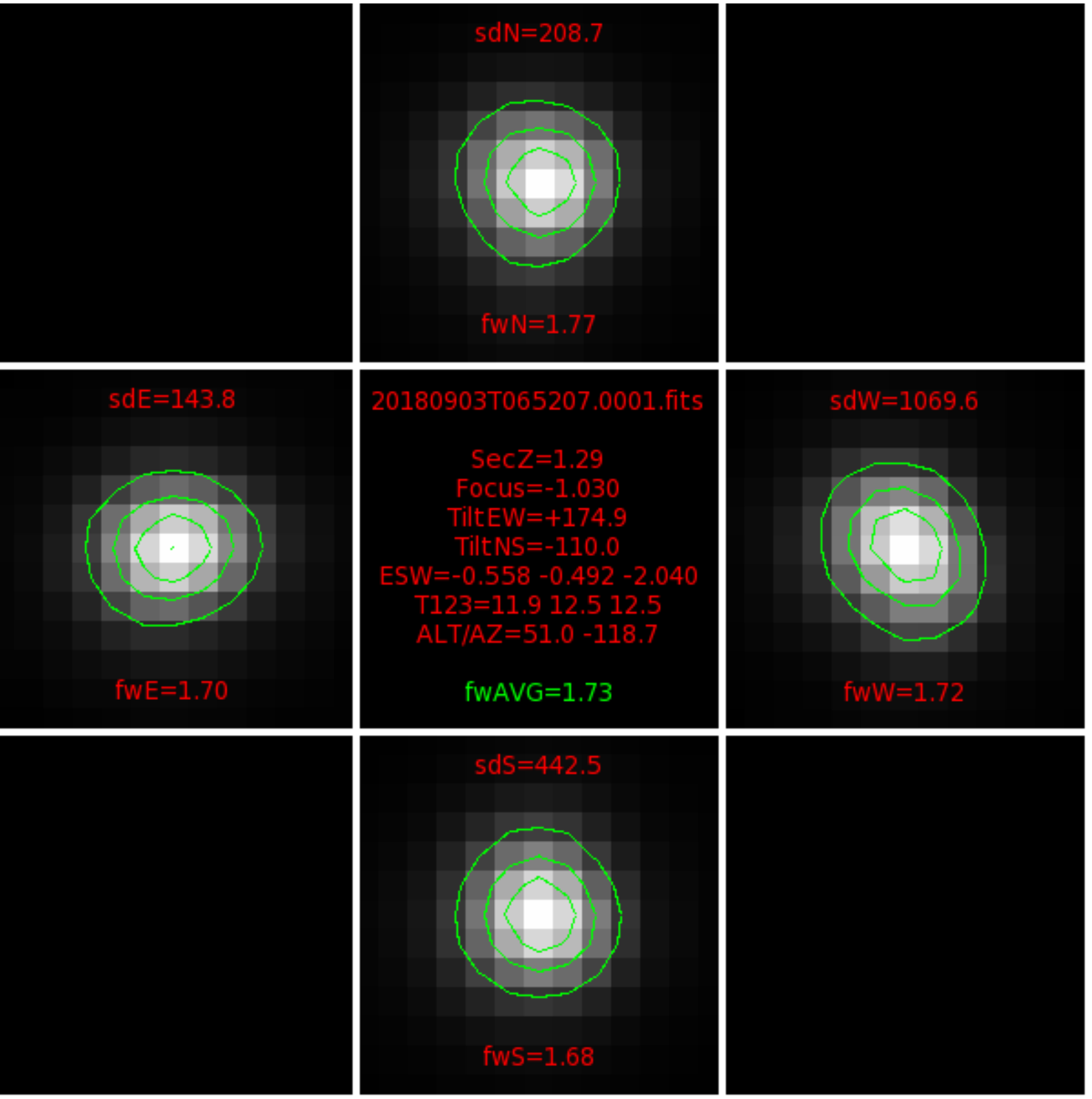
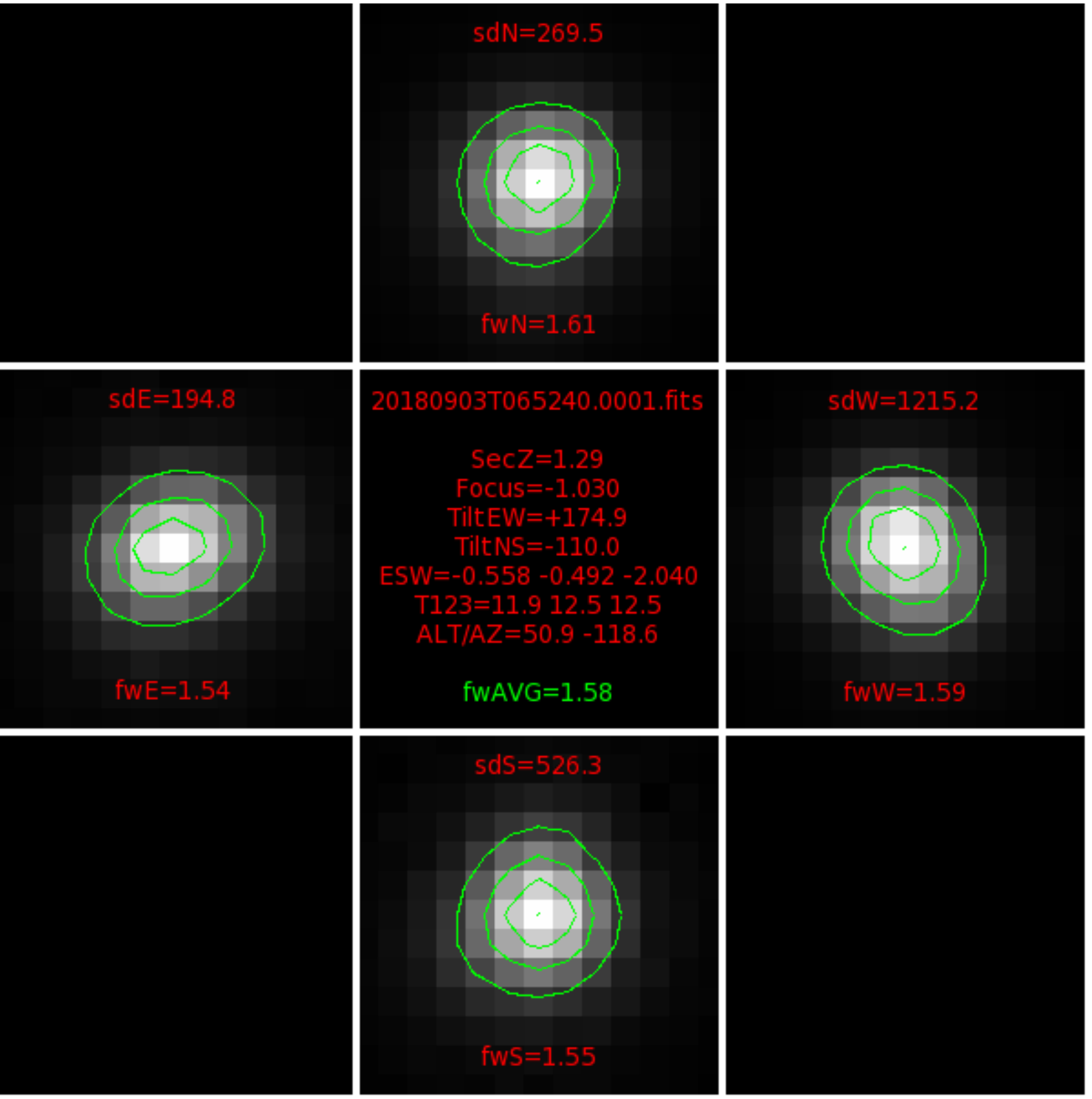

sdN=208.7
fwN=1.77
sdE=143.8
fwE=1.70
20180903T065207.0001.fits
SecZ=1.29
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.9 12.5 12.5
ALT/AZ=51.0 -118.7
fwAVG=1.73
sdW=1069.6
fwW=1.72
sdS=442.5
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=269.5
fwN=1.61
sdE=194.8
fwE=1.54
20180903T065240.0001.fits
SecZ=1.29
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=11.9 12.5 12.5
ALT/AZ=50.9 -118.6
fwAVG=1.58
sdW=1215.2
fwW=1.59
sdS=526.3
fwS=1.55
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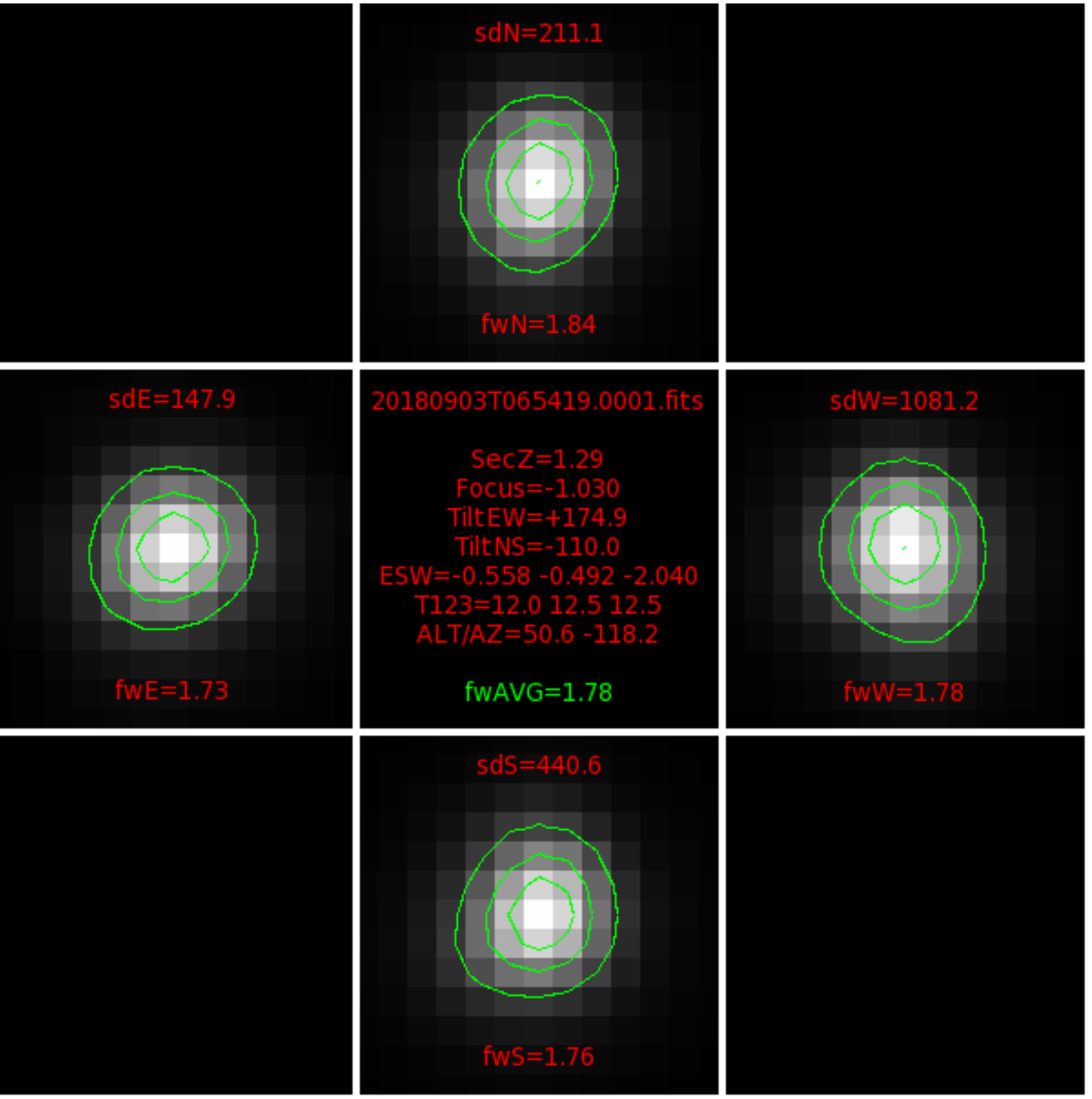
sdN=211.1
fwN=1.84
sdE=147.9
fwE=1.73
20180903T065419.0001.fits
SecZ=1.29
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.0 12.5 12.5
ALT/AZ=50.6 -118.2
fwAVG=1.78
sdW=1081.2
fwW=1.78
sdS=440.6
fwS=1.76
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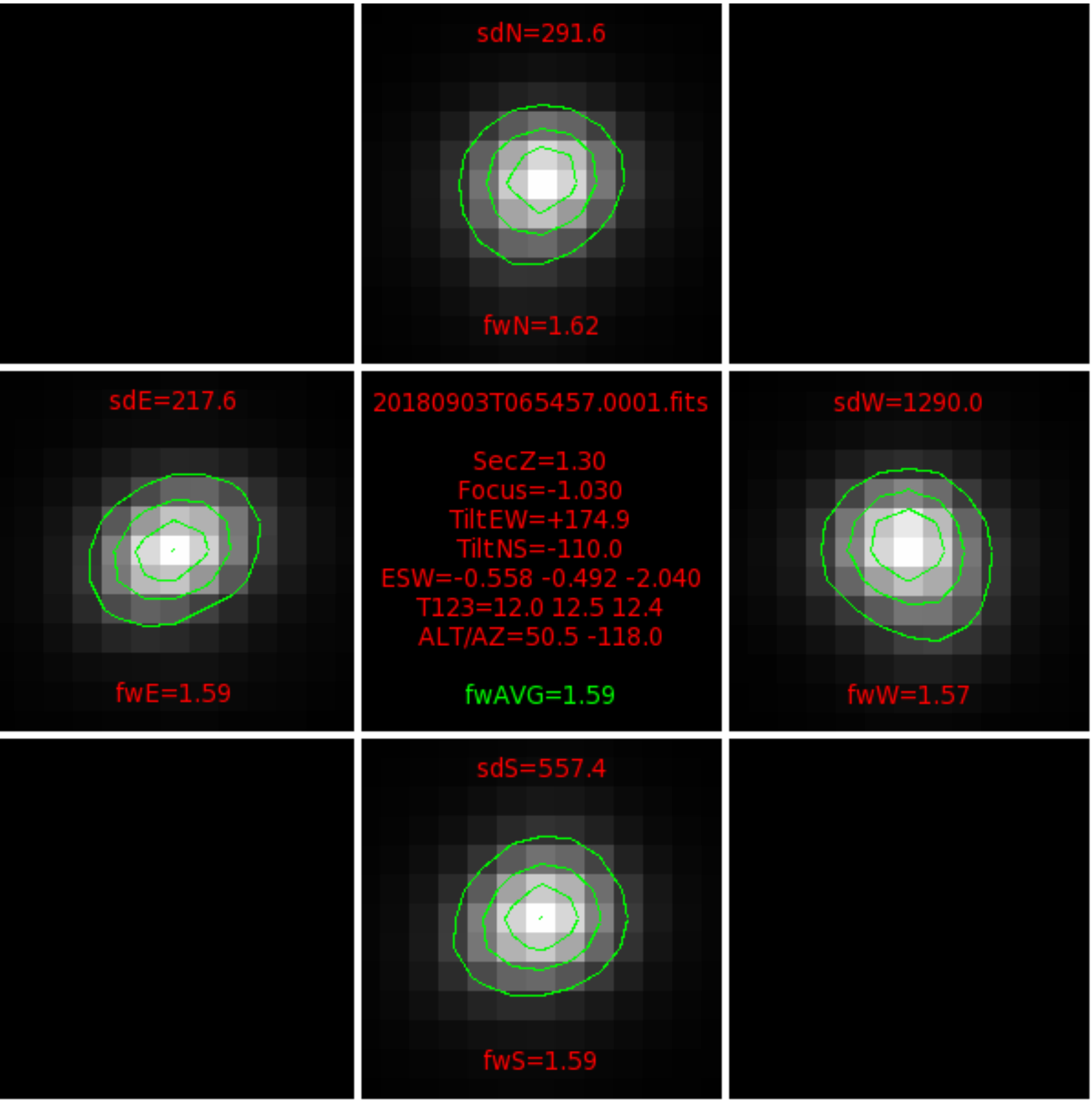
sdN=291.6
fwN=1.62
sdE=217.6
fwE=1.59
20180903T065457.0001.fits
SecZ=1.30
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.0 12.5 12.4
ALT/AZ=50.5 -118.0
fwAVG=1.59
sdW=1290.0
fwW=1.57
sdS=557.4
fwS=1.59
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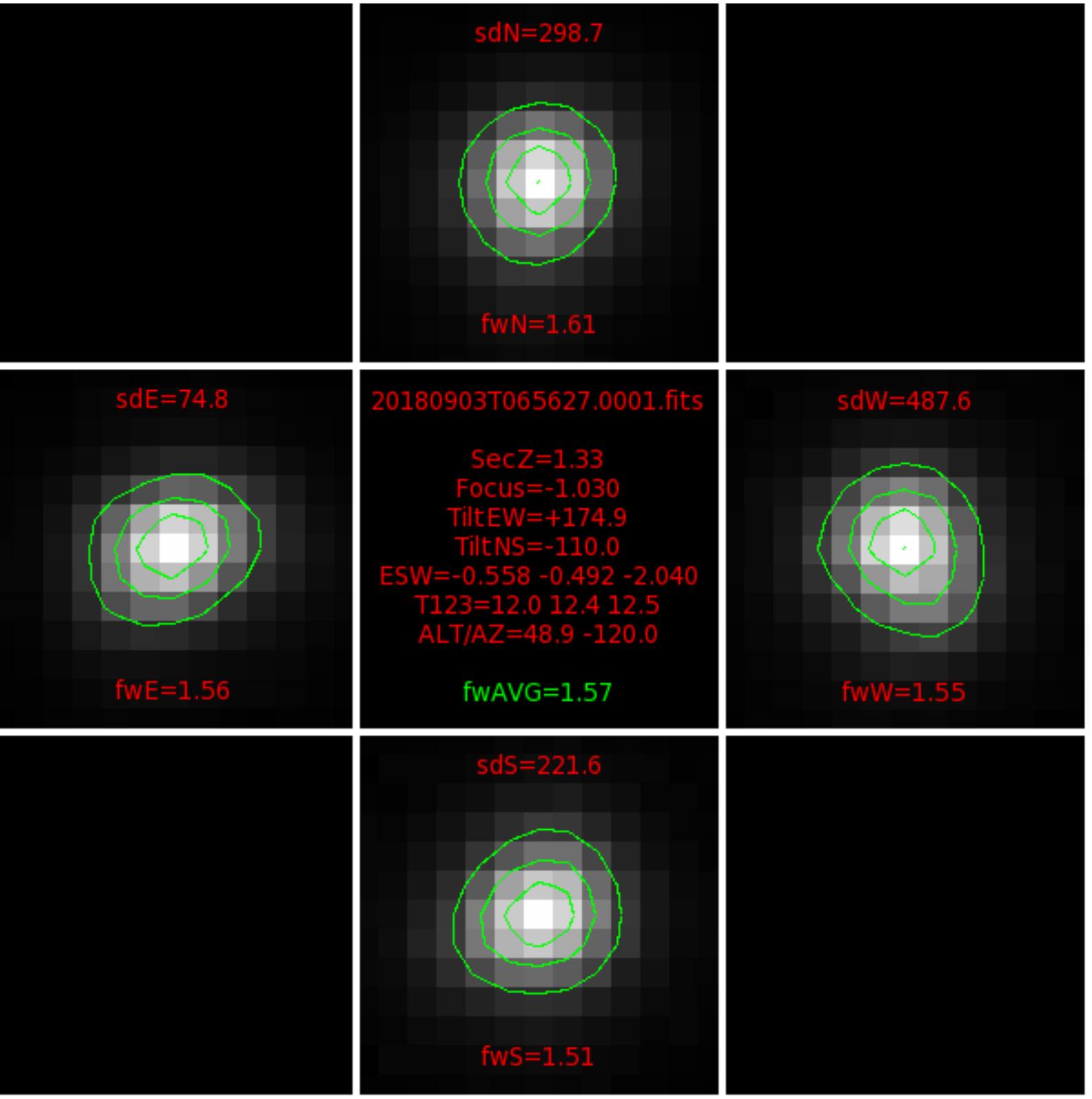
sdN=298.7
fwN=1.61
sdE=74.8
fwE=1.56
20180903T065627.0001.fits
SecZ=1.33
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.0 12.4 12.5
ALT/AZ=48.9 -120.0
fwAVG=1.57
sdW=487.6
fwW=1.55
sdS=221.6
fwS=1.51
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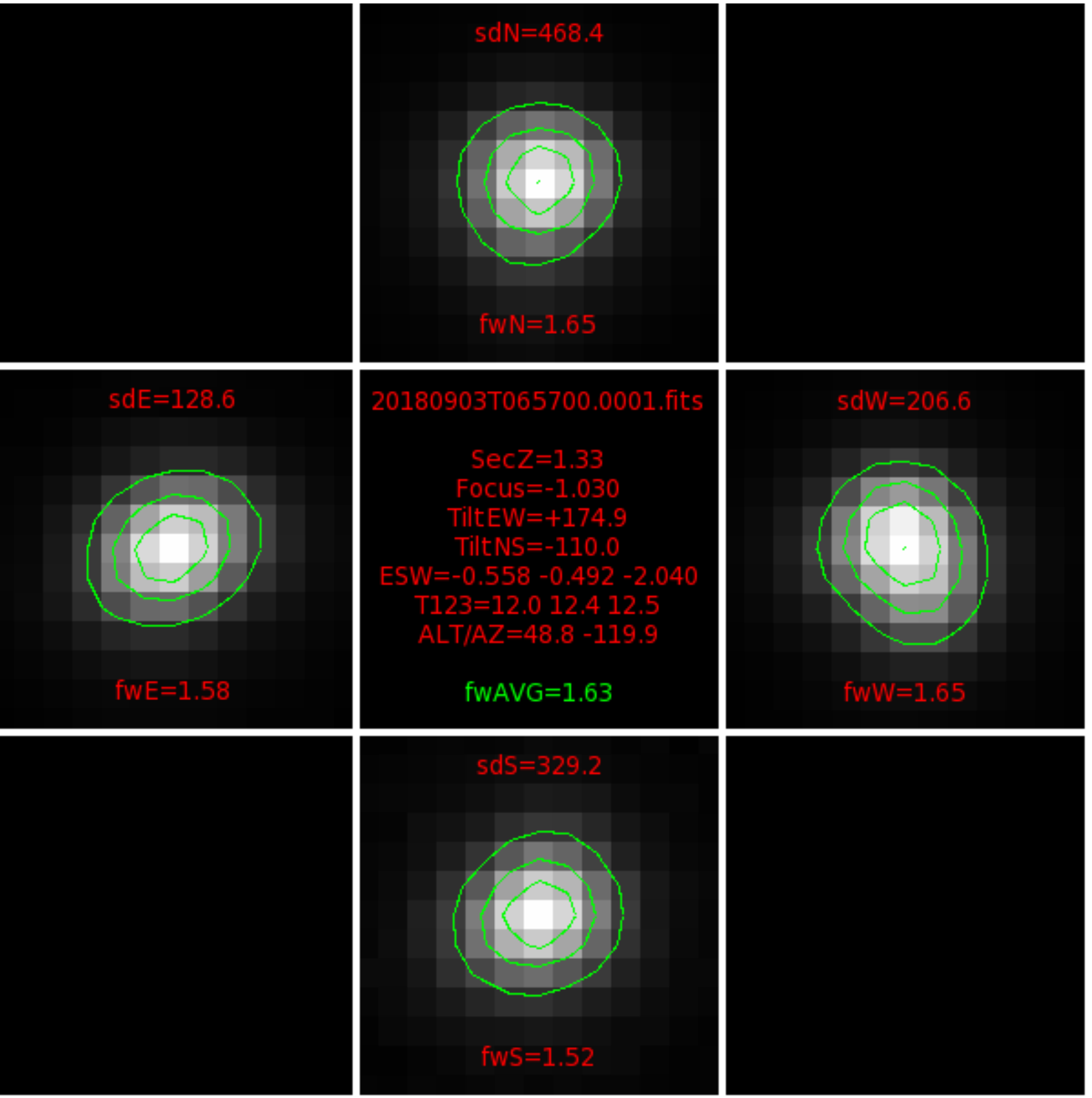
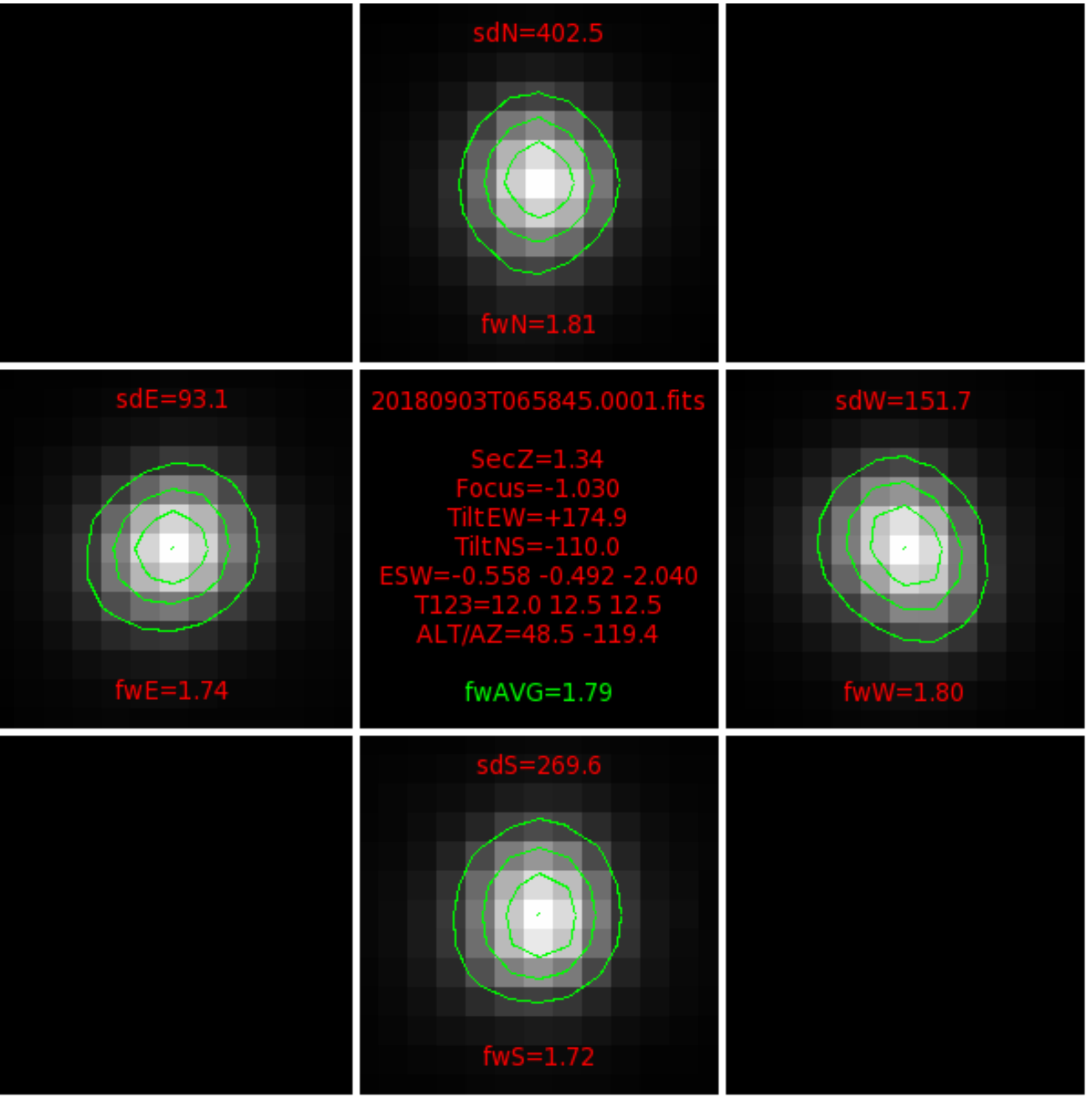

sdN=468.4
fwN=1.65
sdE=128.6
fwE=1.58
20180903T065700.0001.fits
SecZ=1.33
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.0 12.4 12.5
ALT/AZ=48.8 -119.9
fwAVG=1.63
sdW=206.6
fwW=1.65
sdS=329.2
fwS=1.52
0 0 0 0 0 0 0 0 0


sdN=402.5
fwN=1.81
sdE=93.1
fwE=1.74
20180903T065845.0001.fits
SecZ=1.34
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.0 12.5 12.5
ALT/AZ=48.5 -119.4
fwAVG=1.79
sdW=151.7
fwW=1.80
sdS=269.6
fwS=1.72
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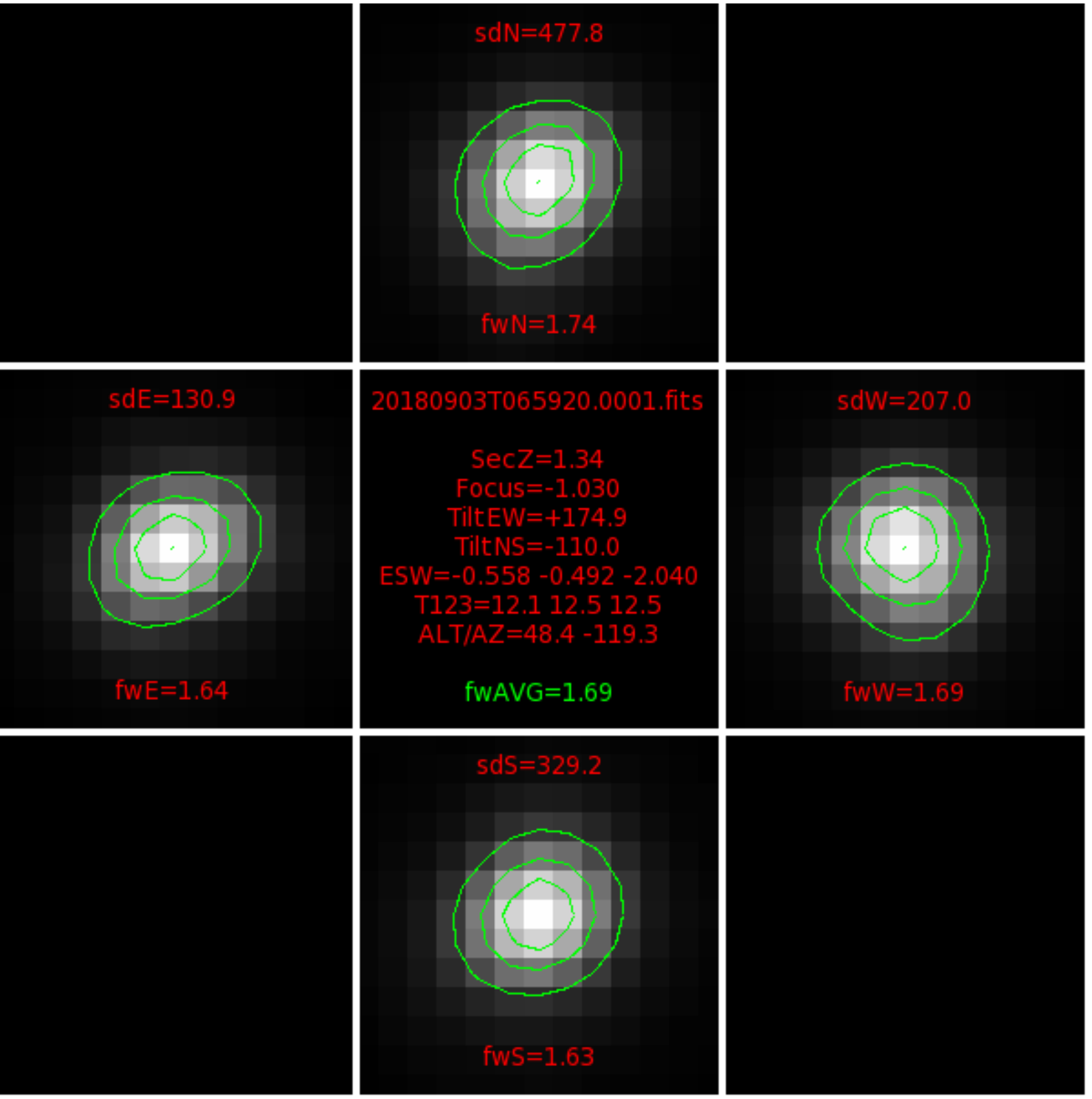
sdN=477.8
fwN=1.74
sdE=130.9
fwE=1.64
20180903T065920.0001.fits
SecZ=1.34
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.1 12.5 12.5
ALT/AZ=48.4 -119.3
fwAVG=1.69
sdW=207.0
fwW=1.69
sdS=329.2
fwS=1.63
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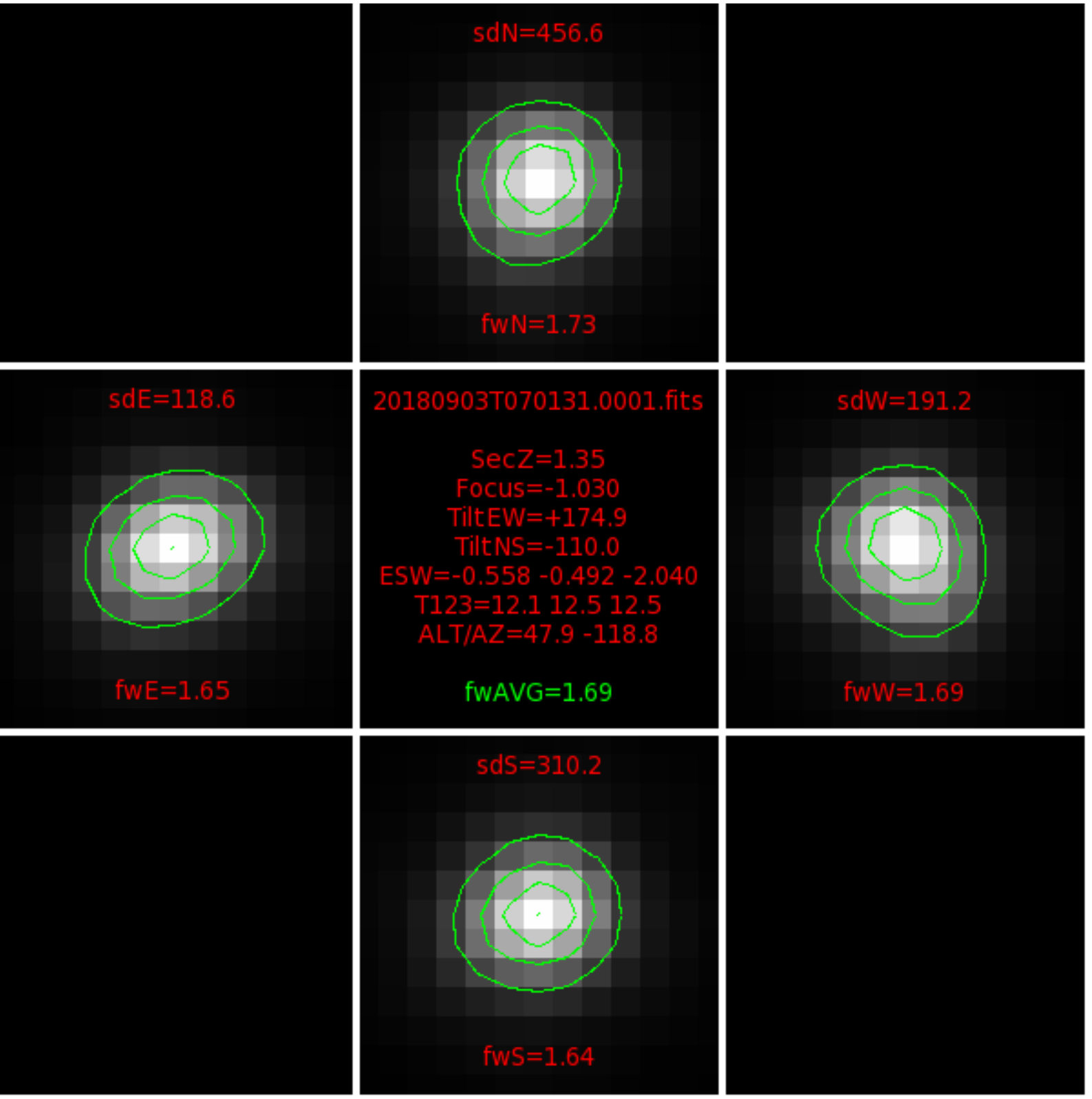
sdN=456.6
fwN=1.73
sdE=118.6
fwE=1.65
20180903T070131.0001.fits
SecZ=1.35
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.1 12.5 12.5
ALT/AZ=47.9 -118.8
fwAVG=1.69
sdW=191.2
fwW=1.69
sdS=310.2
fwS=1.64
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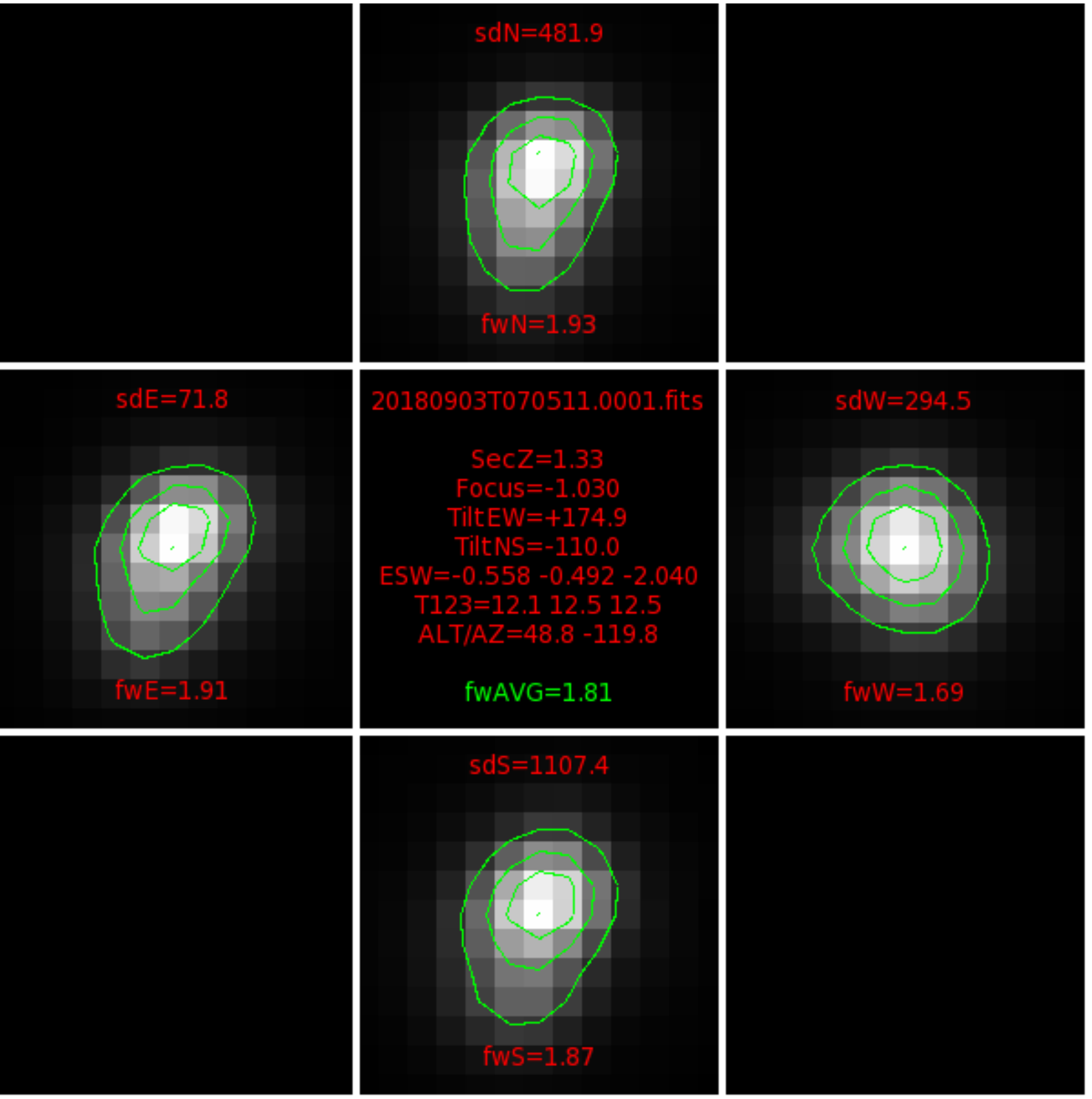
sdN=481.9
fwN=1.93
sdE=71.8
fwE=1.91
20180903T070511.0001.fits
SecZ=1.33
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.1 12.5 12.5
ALT/AZ=48.8 -119.8
fwAVG=1.81
sdW=294.5
fwW=1.69
sdS=1107.4
fwS=1.87
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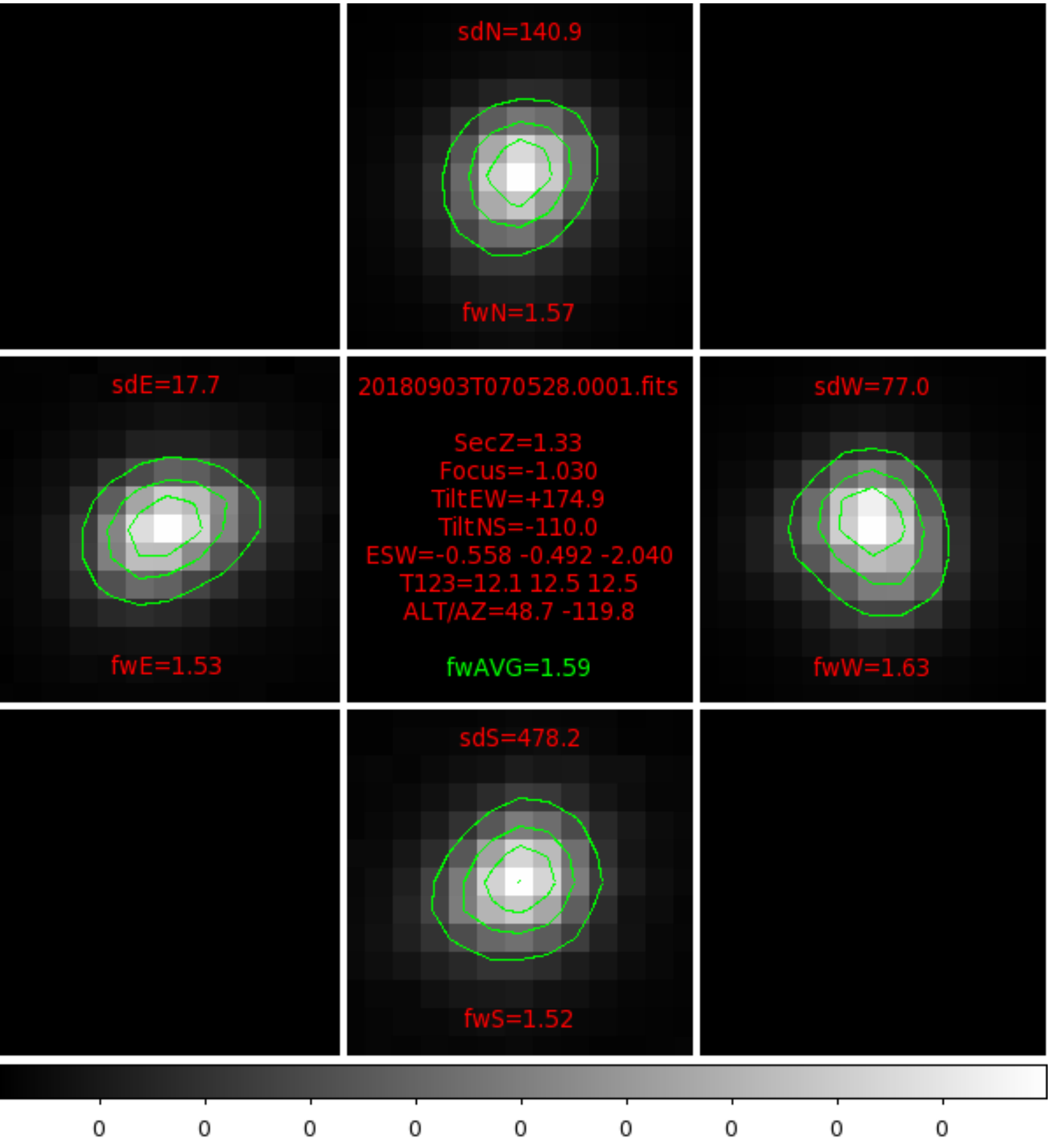
sdN=140.9
fwN=1.57
sdE=17.7
fwE=1.53
20180903T070528.0001.fits
SecZ=1.33
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.1 12.5 12.5
ALT/AZ=48.7 -119.8
fwAVG=1.59
sdW=77.0
fwW=1.63
sdS=478.2
fwS=1.52
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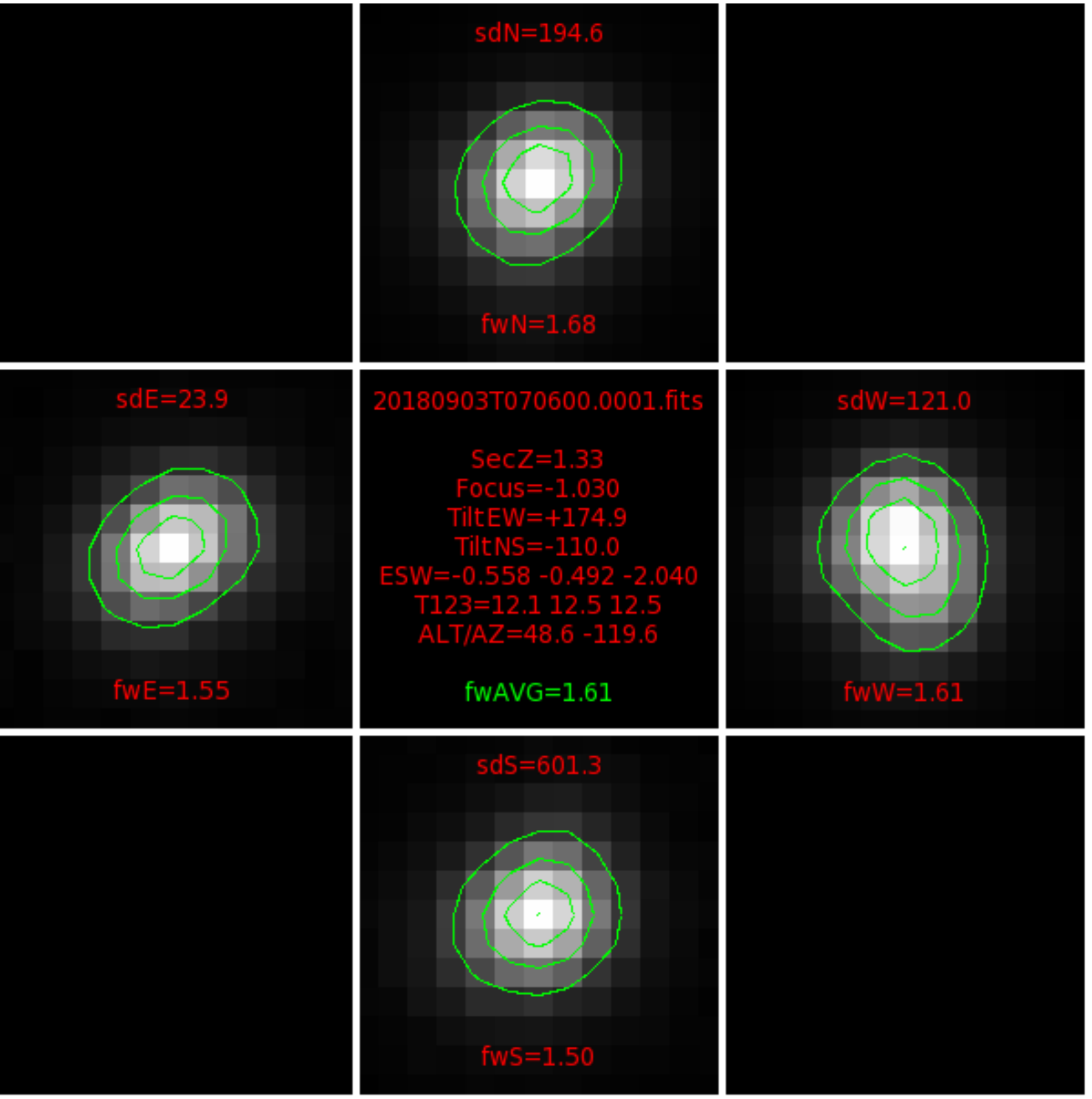
sdN=194.6
fwN=1.68
sdE=23.9
fwE=1.55
20180903T070600.0001.fits
SecZ=1.33
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.1 12.5 12.5
ALT/AZ=48.6 -119.6
fwAVG=1.61
sdW=121.0
fwW=1.61
sdS=601.3
fwS=1.50
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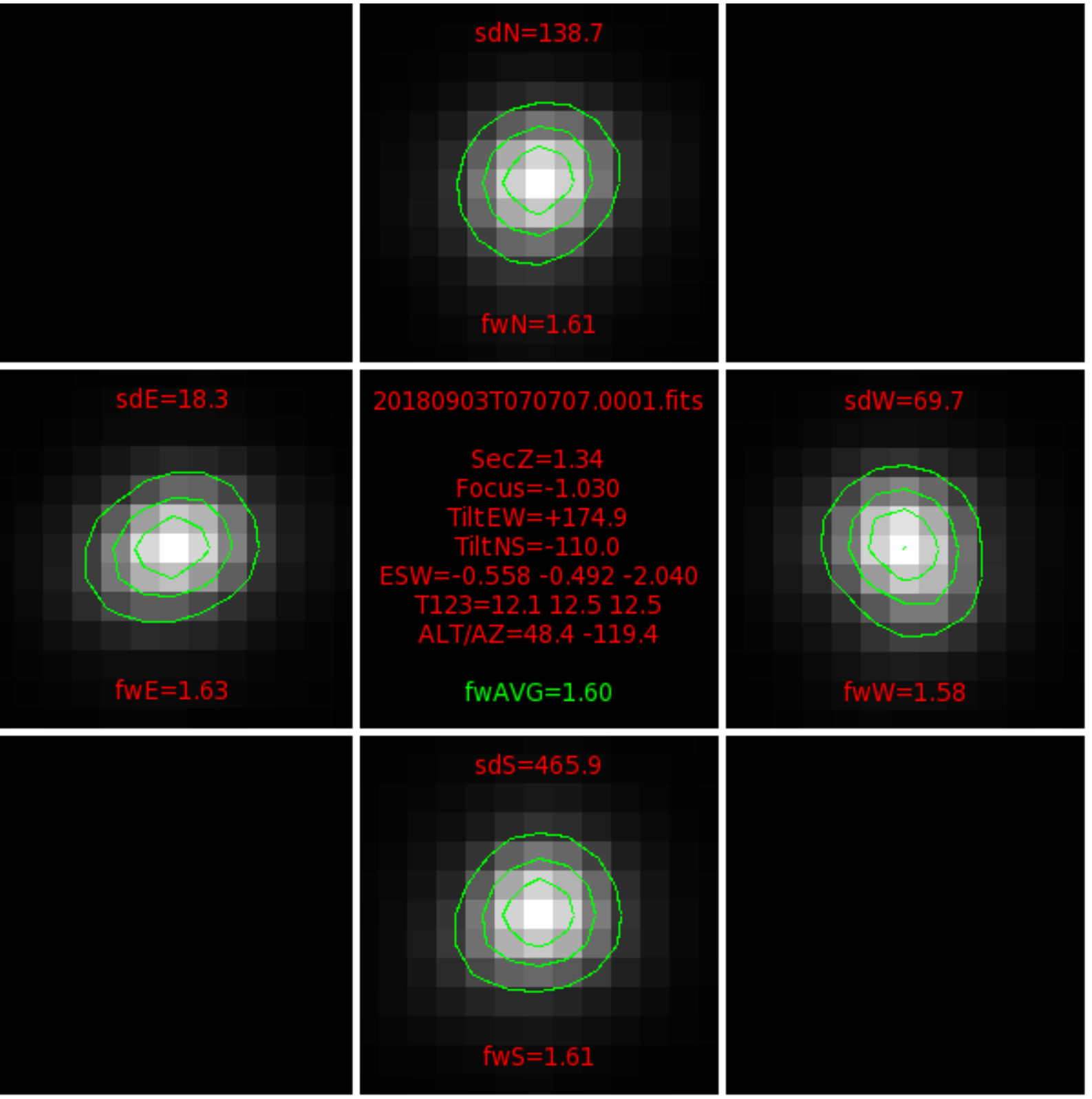
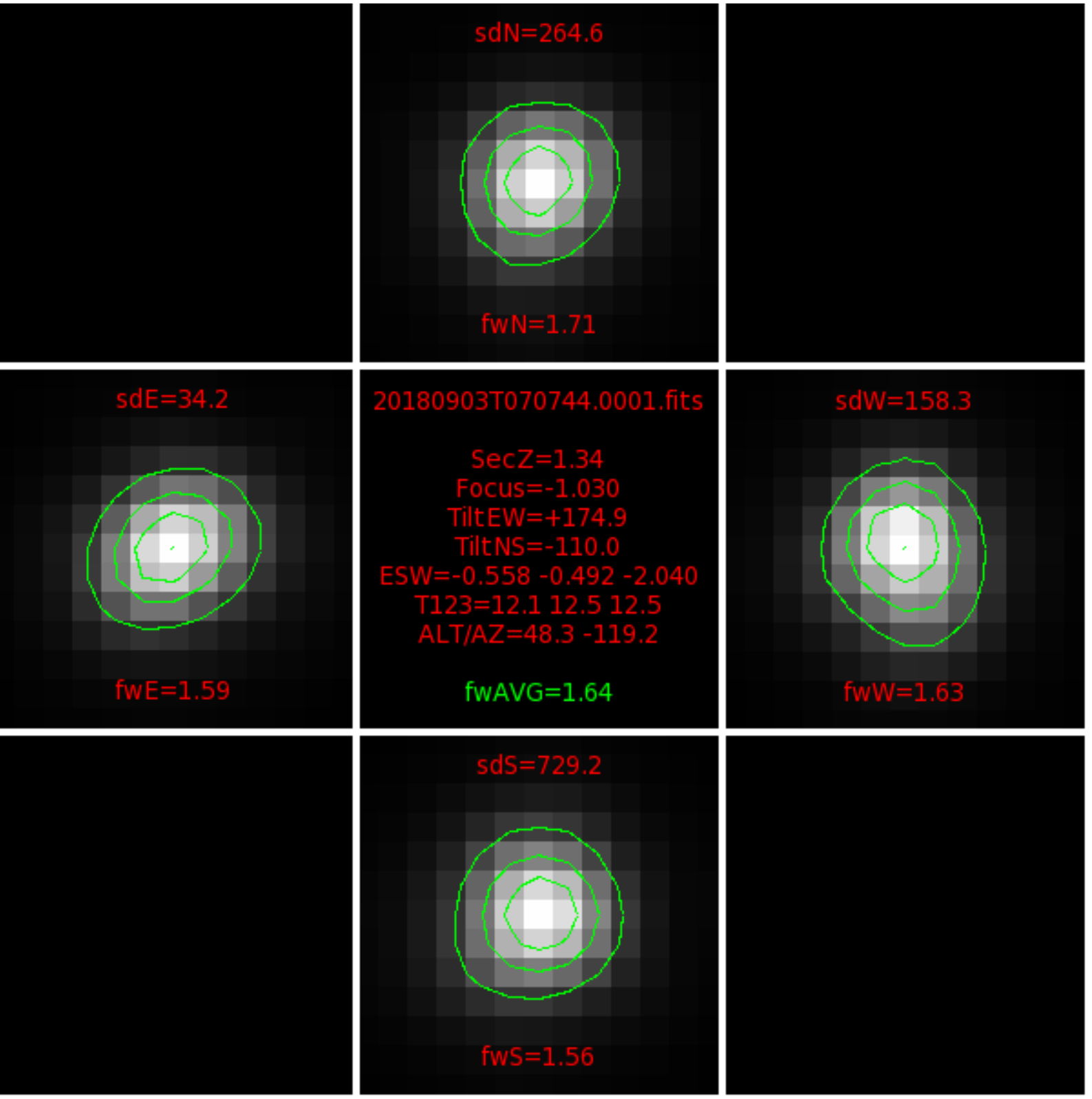

sdN=138.7
fwN=1.61
sdE=18.3
fwE=1.63
20180903T070707.0001.fits
SecZ=1.34
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.1 12.5 12.5
ALT/AZ=48.4 -119.4
fwAVG=1.60
sdW=69.7
fwW=1.58
sdS=465.9
fwS=1.61
0 0 0 0 0 0 0 0 0


sdN=264.6
fwN=1.71
sdE=34.2
fwE=1.59
20180903T070744.0001.fits
SecZ=1.34
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.1 12.5 12.5
ALT/AZ=48.3 -119.2
fwAVG=1.64
sdW=158.3
fwW=1.63
sdS=729.2
fwS=1.56
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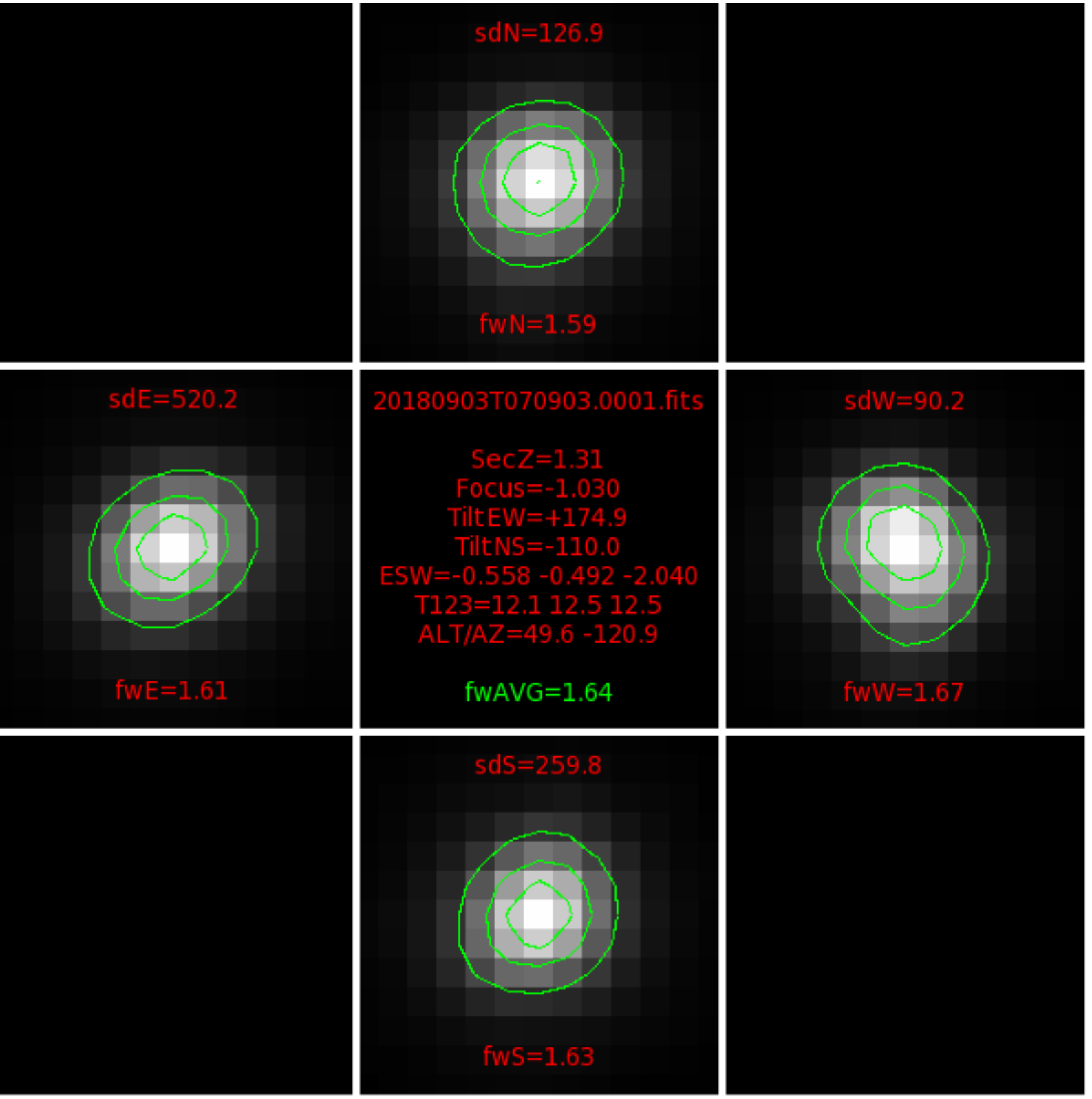
sdN=126.9
fwN=1.59
sdE=520.2
fwE=1.61
20180903T070903.0001.fits
SecZ=1.31
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.1 12.5 12.5
ALT/AZ=49.6 -120.9
fwAVG=1.64
sdW=90.2
fwW=1.67
sdS=259.8
fwS=1.63
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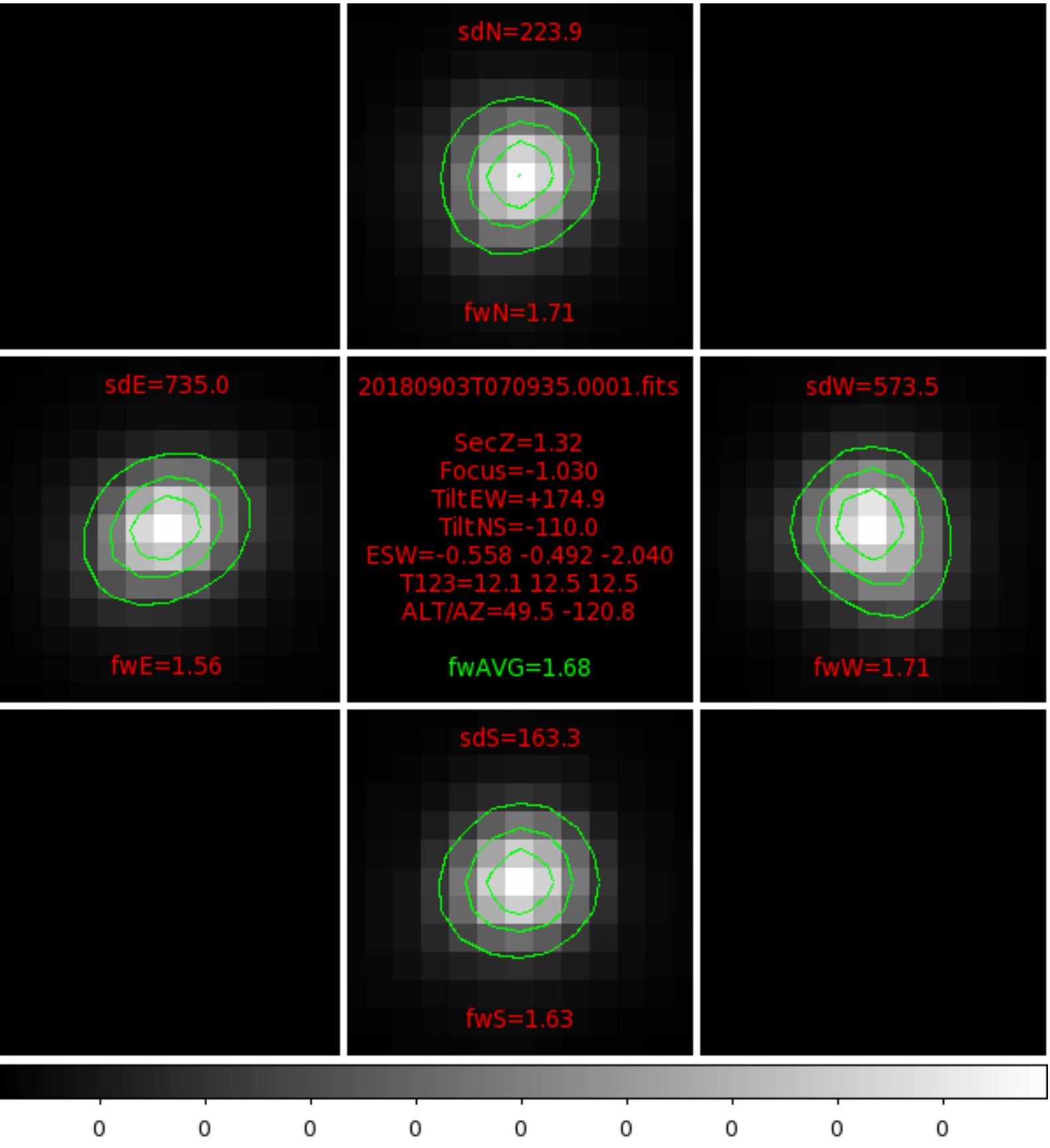
sdN=223.9
fwN=1.71
sdE=735.0
fwE=1.56
20180903T070935.0001.fits
SecZ=1.32
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.1 12.5 12.5
ALT/AZ=49.5 -120.8
fwAVG=1.68
sdW=573.5
fwW=1.71
sdS=163.3
fwS=1.63
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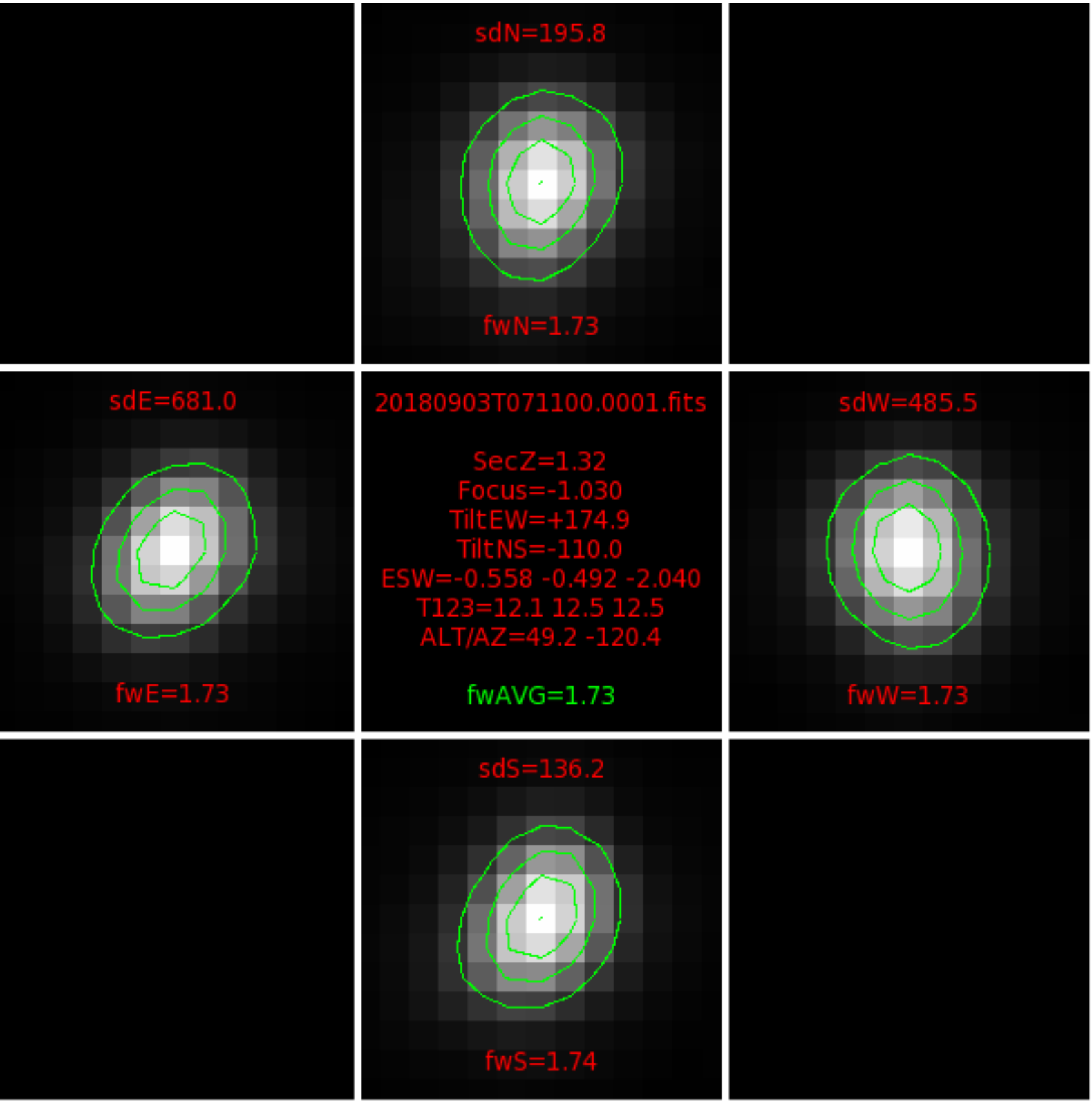
sdN=195.8
fwN=1.73
sdE=681.0
fwE=1.73
20180903T071100.0001.fits
SecZ=1.32
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.1 12.5 12.5
ALT/AZ=49.2 -120.4
fwAVG=1.73
sdW=485.5
fwW=1.73
sdS=136.2
fwS=1.74
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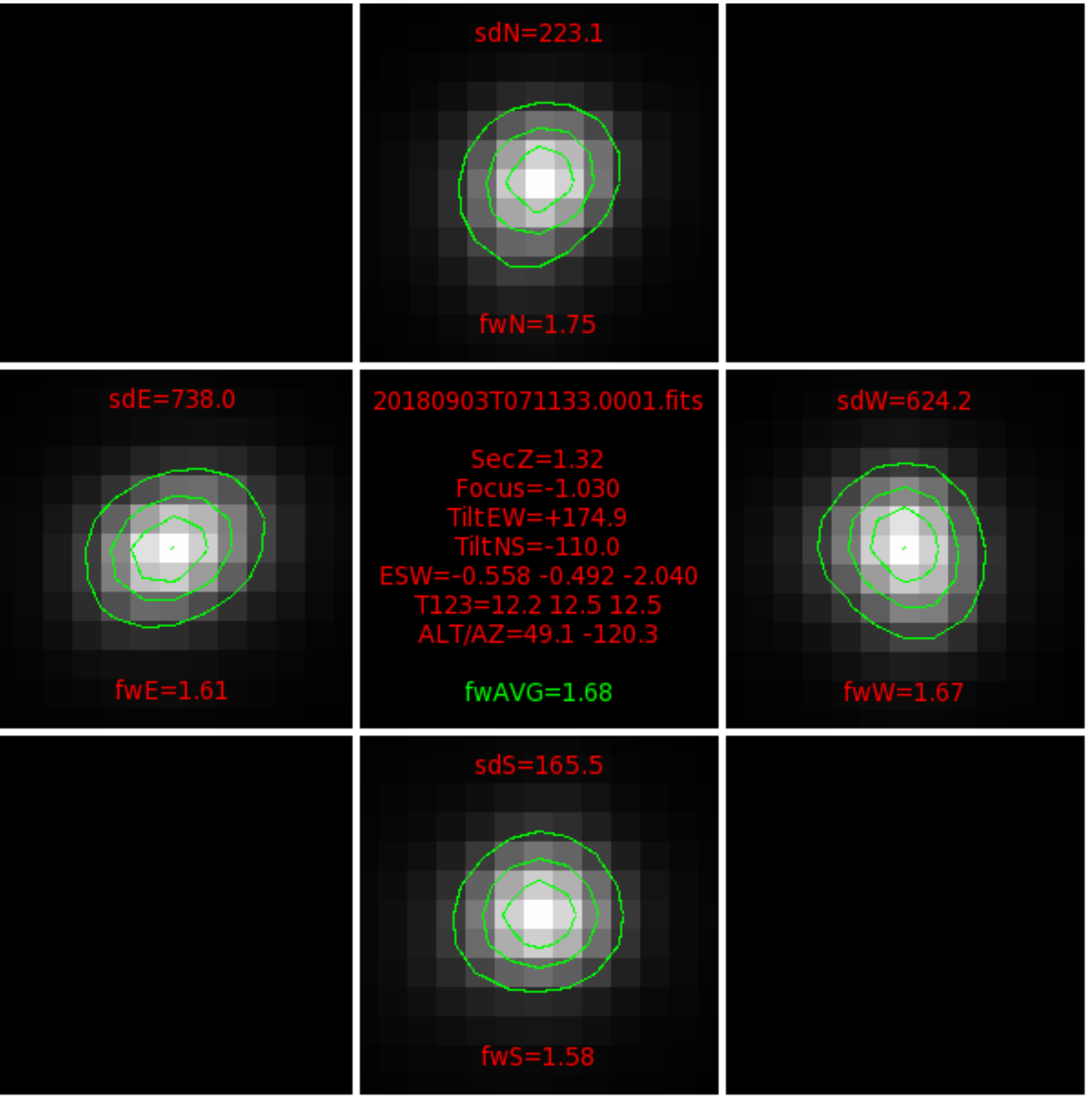
sdN=223.1
fwN=1.75
sdE=738.0
fwE=1.61
20180903T071133.0001.fits
SecZ=1.32
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.5
ALT/AZ=49.1 -120.3
fwAVG=1.68
sdW=624.2
fwW=1.67
sdS=165.5
fwS=1.58
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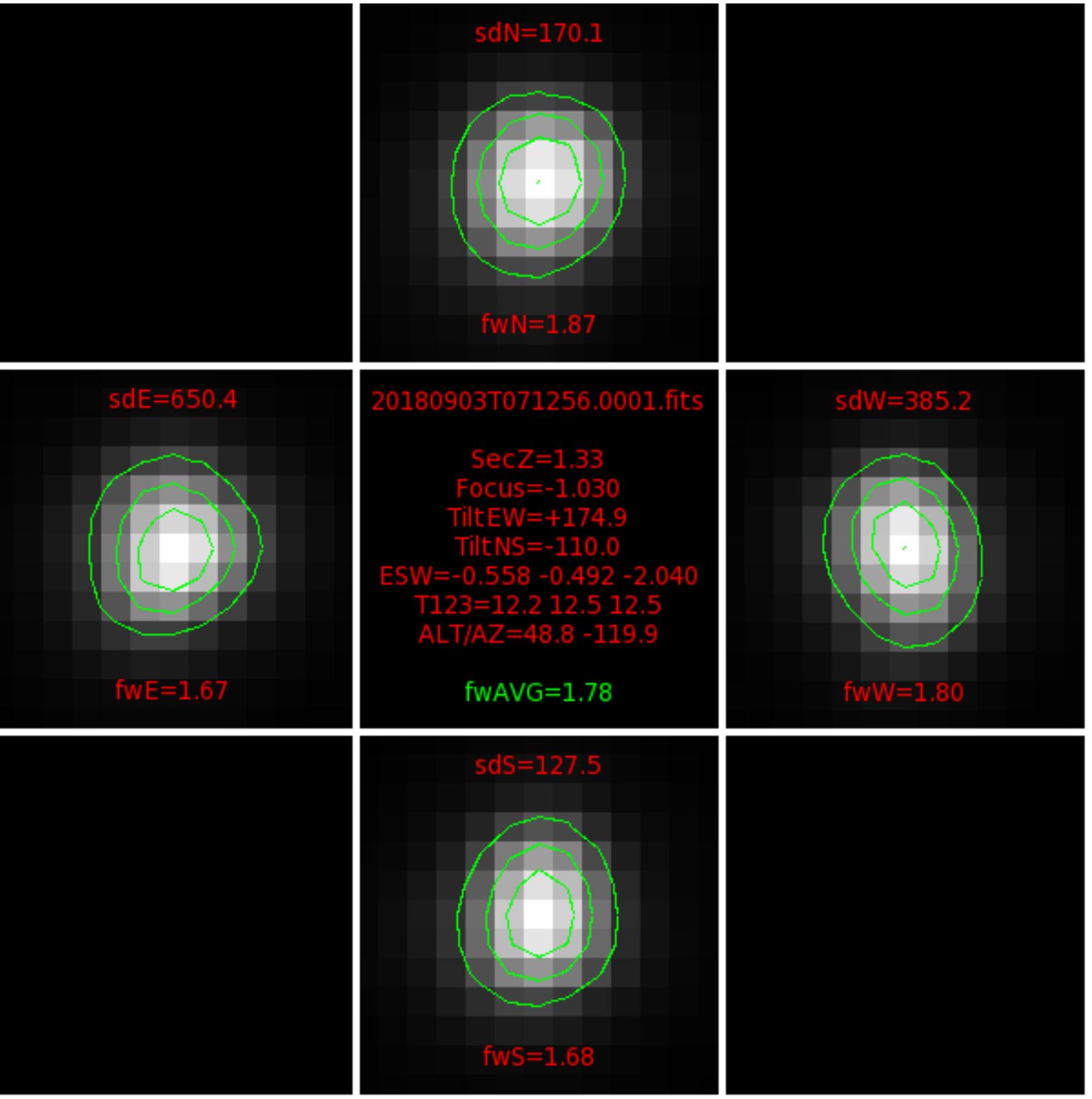
sdN=170.1
fwN=1.87
sdE=650.4
fwE=1.67
20180903T071256.0001.fits
SecZ=1.33
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.5
ALT/AZ=48.8 -119.9
fwAVG=1.78
sdW=385.2
fwW=1.80
sdS=127.5
fwS=1.68
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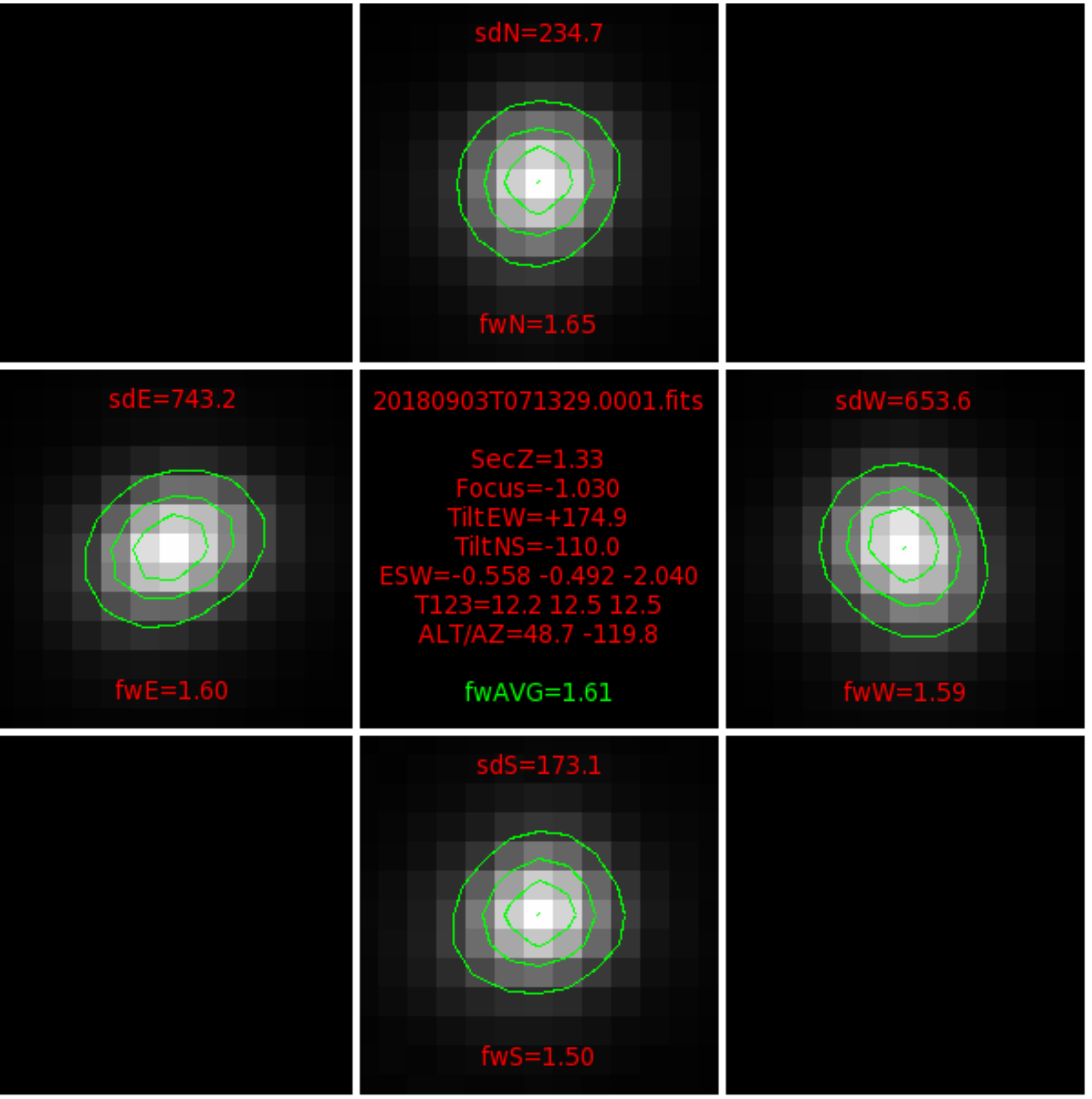
sdN=234.7
fwN=1.65
sdE=743.2
fwE=1.60
20180903T071329.0001.fits
SecZ=1.33
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.5
ALT/AZ=48.7 -119.8
fwAVG=1.61
sdW=653.6
fwW=1.59
sdS=173.1
fwS=1.50
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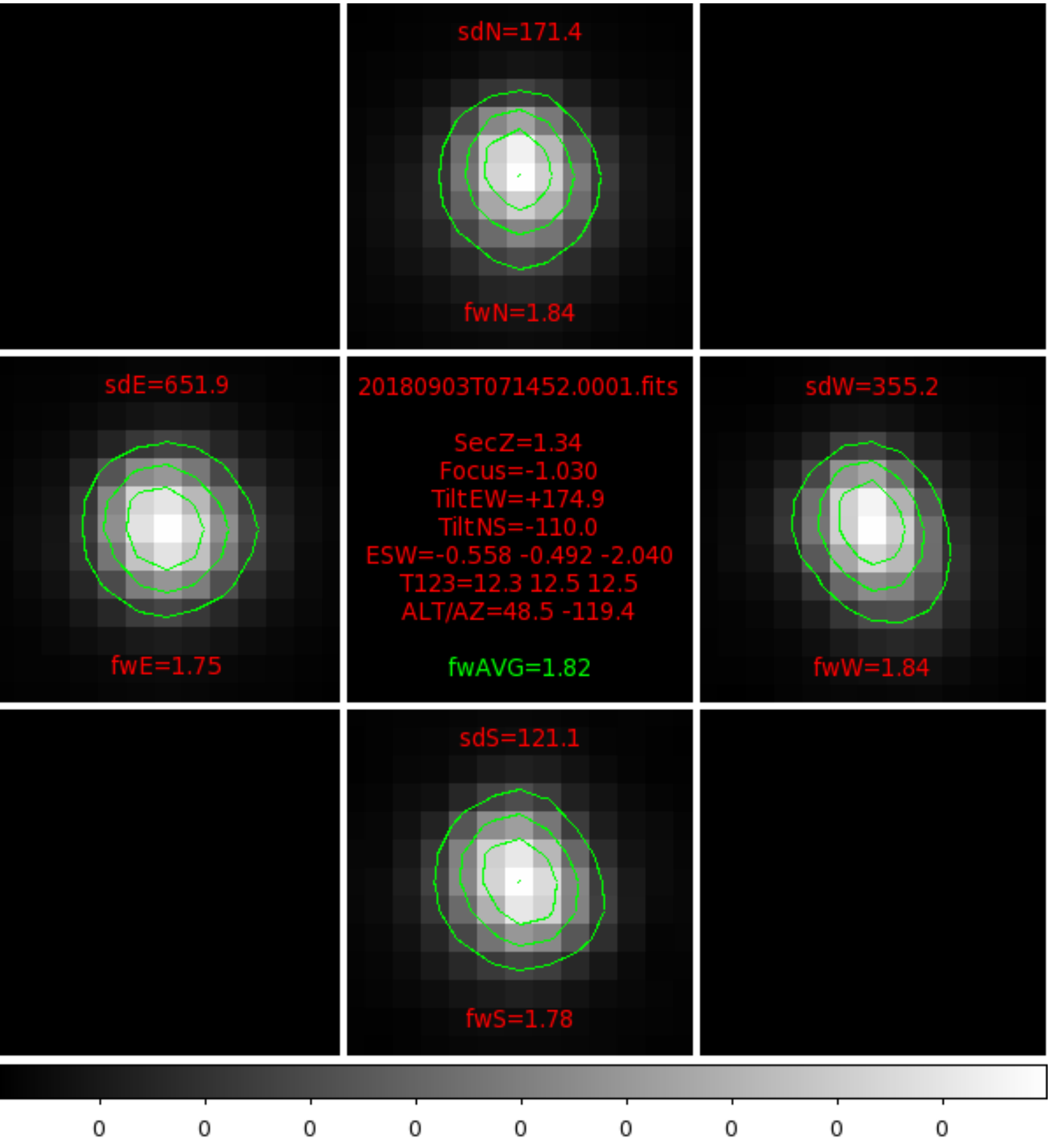
sdN=171.4
fwN=1.84
sdE=651.9
fwE=1.75
20180903T071452.0001.fits
SecZ=1.34
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.5 12.5
ALT/AZ=48.5 -119.4
fwAVG=1.82
sdW=355.2
fwW=1.84
sdS=121.1
fwS=1.78
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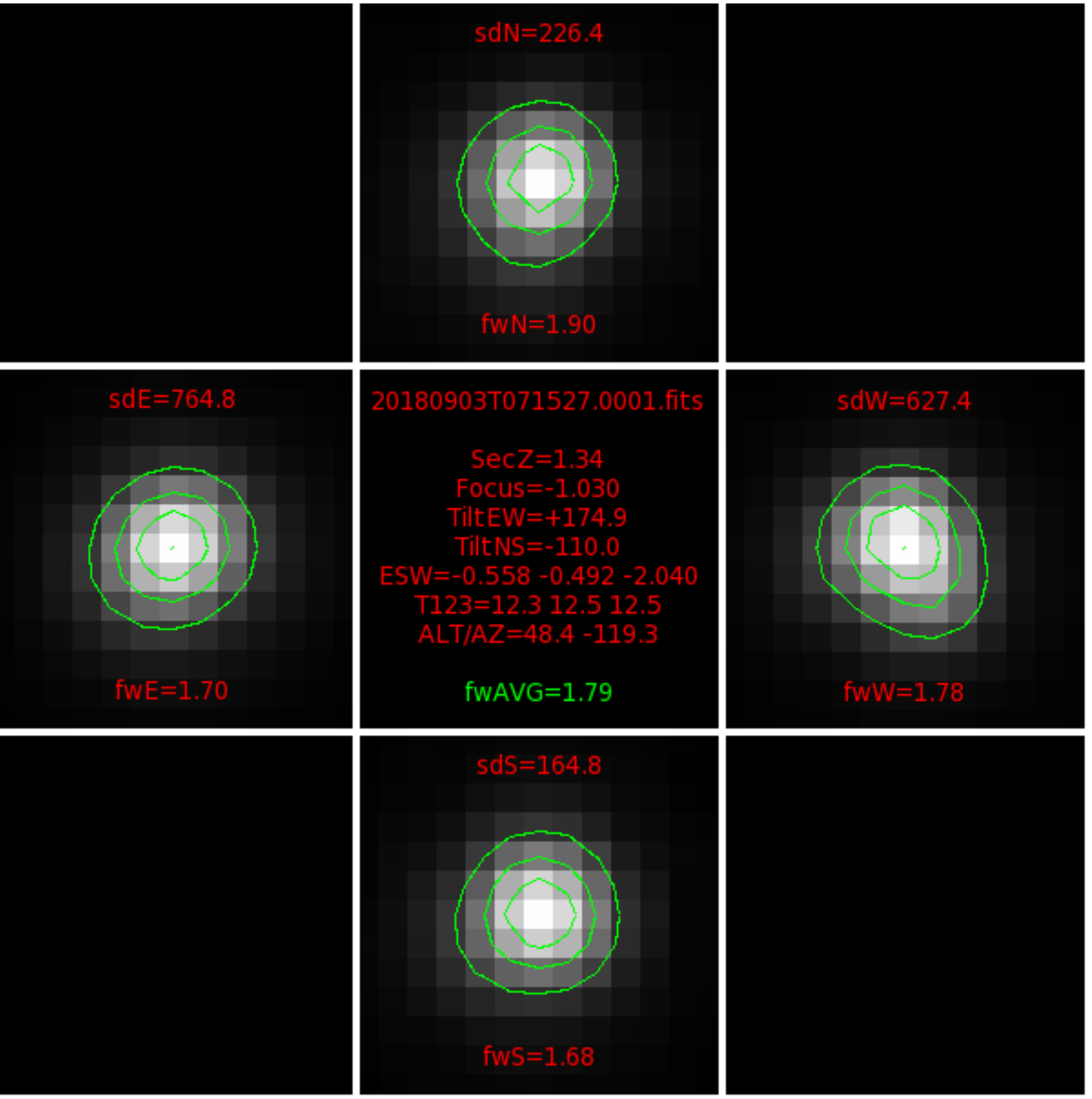
sdN=226.4
fwN=1.90
sdE=764.8
fwE=1.70
20180903T071527.0001.fits
SecZ=1.34
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.5 12.5
ALT/AZ=48.4 -119.3
fwAVG=1.79
sdW=627.4
fwW=1.78
sdS=164.8
fwS=1.68
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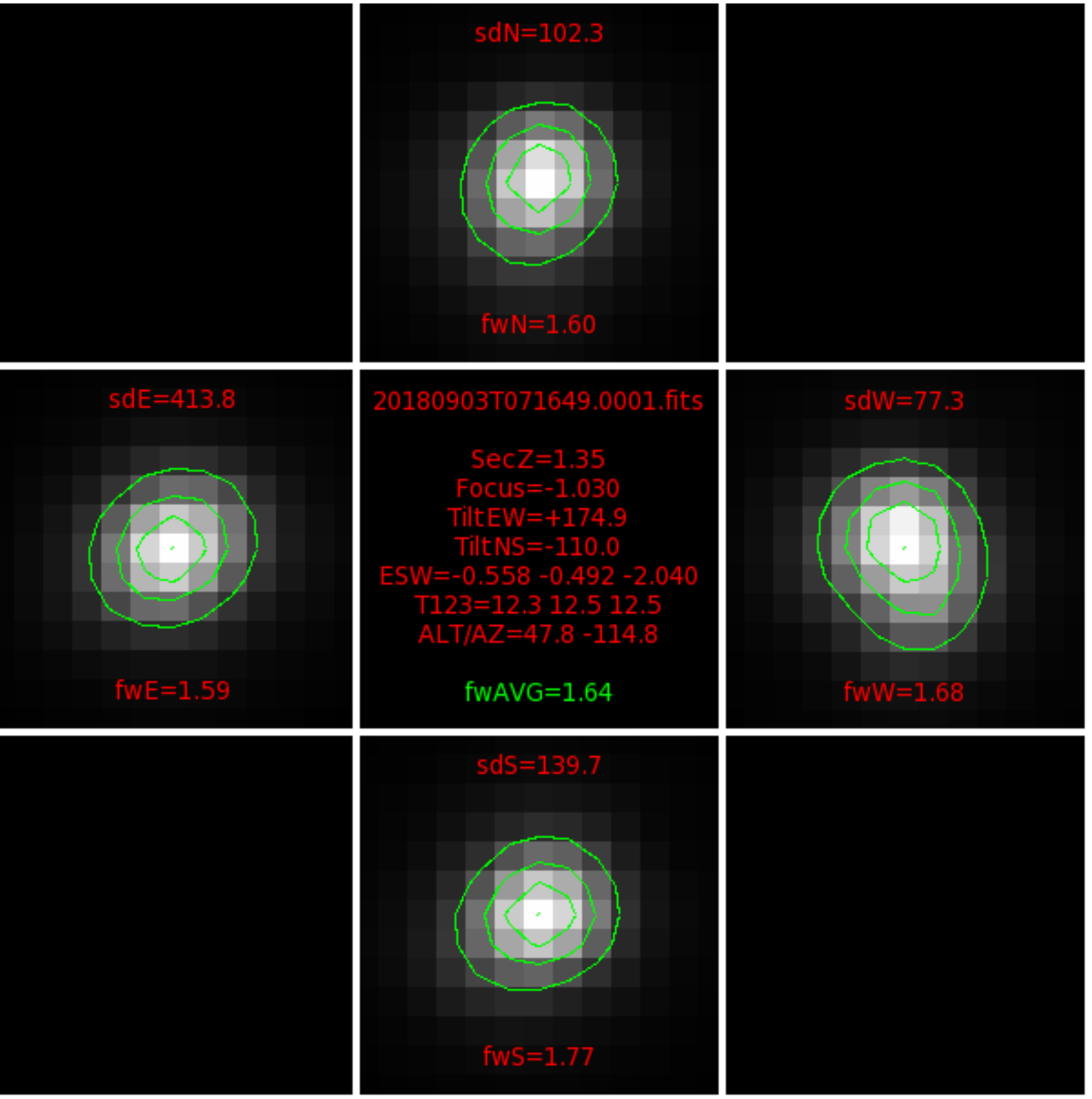
sdN=102.3
fwN=1.60
sdE=413.8
fwE=1.59
20180903T071649.0001.fits
SecZ=1.35
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.5 12.5
ALT/AZ=47.8 -114.8
fwAVG=1.64
sdW=77.3
fwW=1.68
sdS=139.7
fwS=1.77
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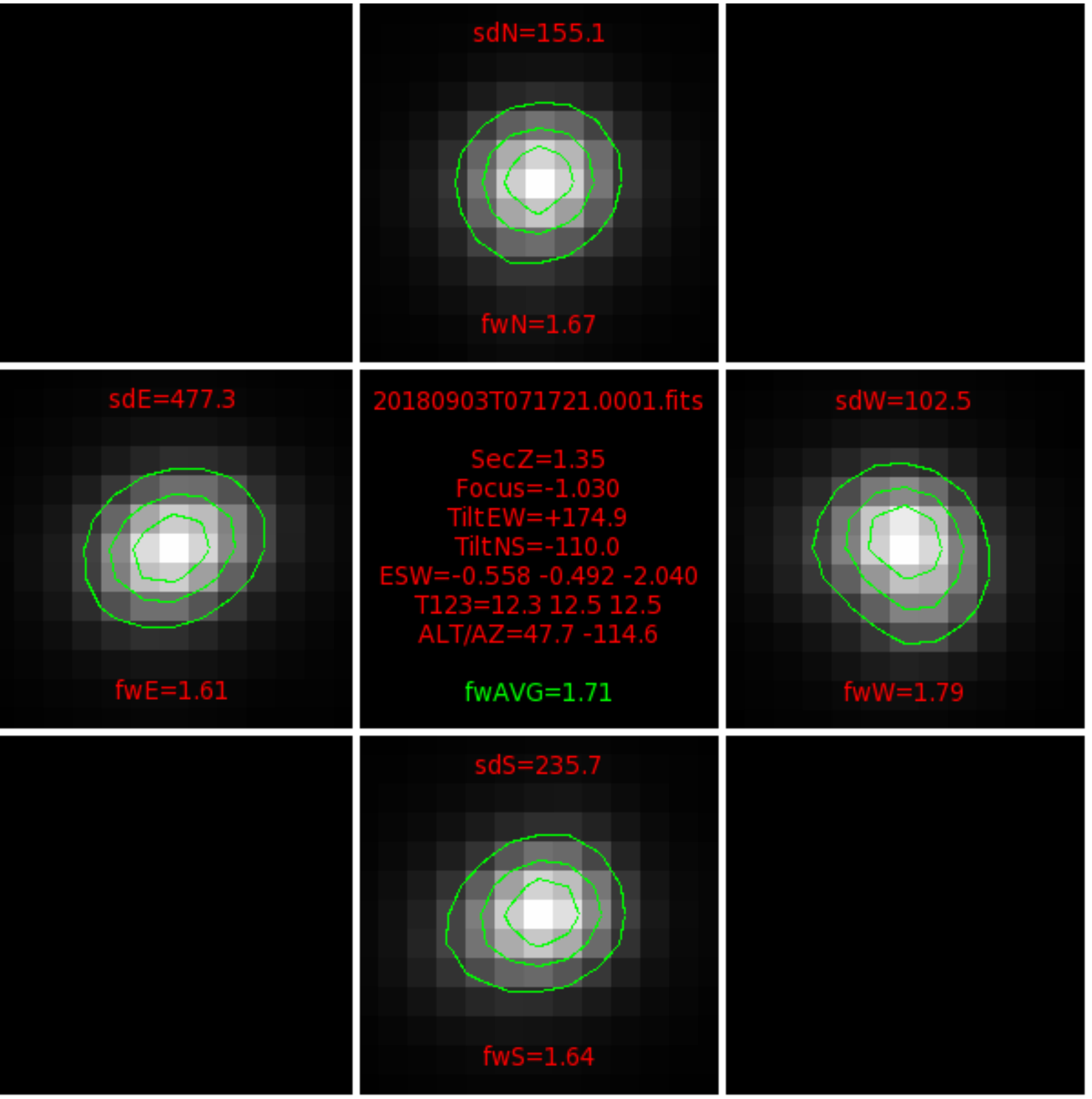
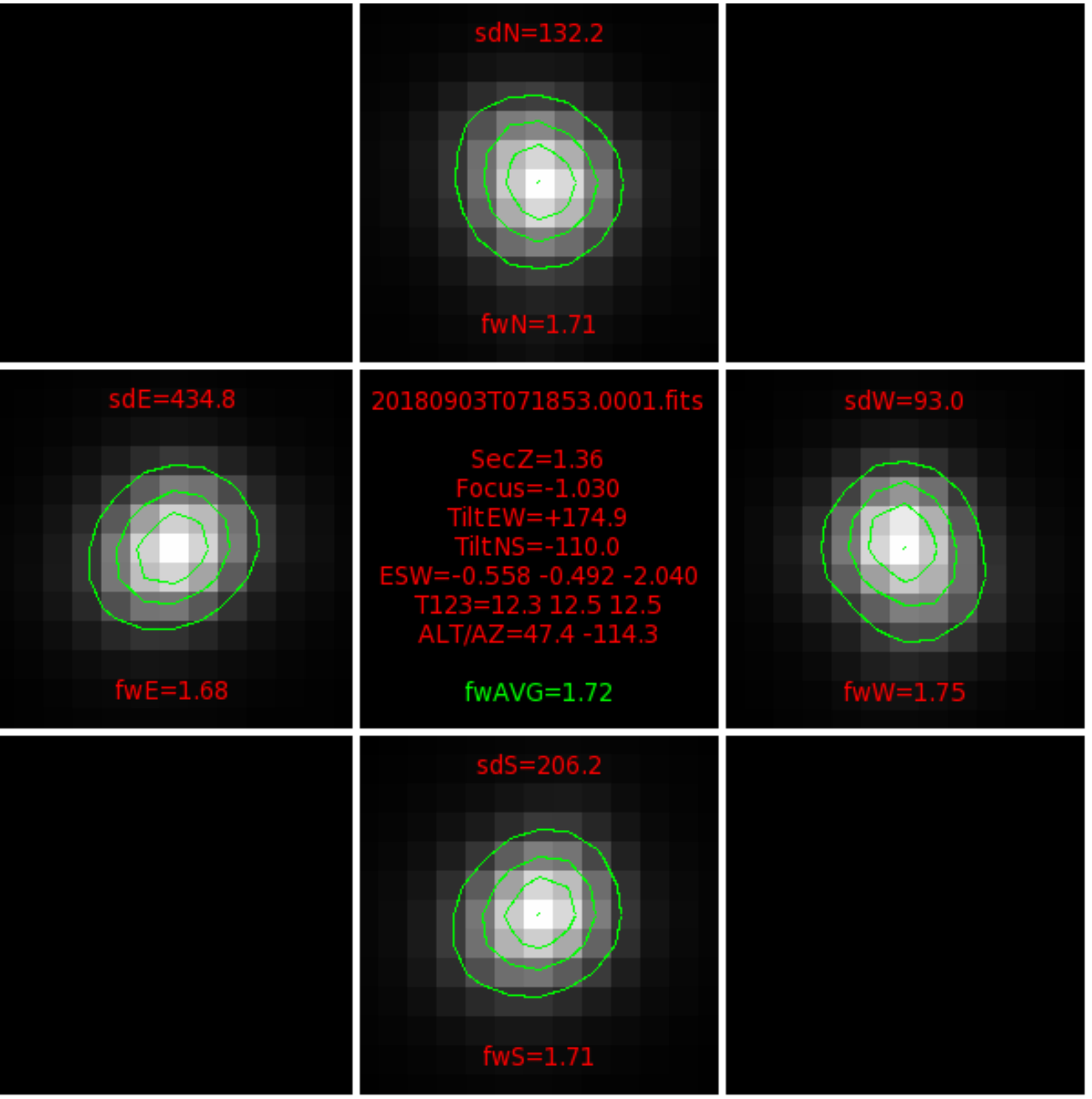

sdN=155.1
fwN=1.67
sdE=477.3
fwE=1.61
20180903T071721.0001.fits
SecZ=1.35
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.5 12.5
ALT/AZ=47.7 -114.6
fwAVG=1.71
sdW=102.5
fwW=1.79
sdS=235.7
fwS=1.64
0 0 0 0 0 0 0 0 0


sdN=132.2
fwN=1.71
sdE=434.8
fwE=1.68
20180903T071853.0001.fits
SecZ=1.36
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.5 12.5
ALT/AZ=47.4 -114.3
fwAVG=1.72
sdW=93.0
fwW=1.75
sdS=206.2
fwS=1.71
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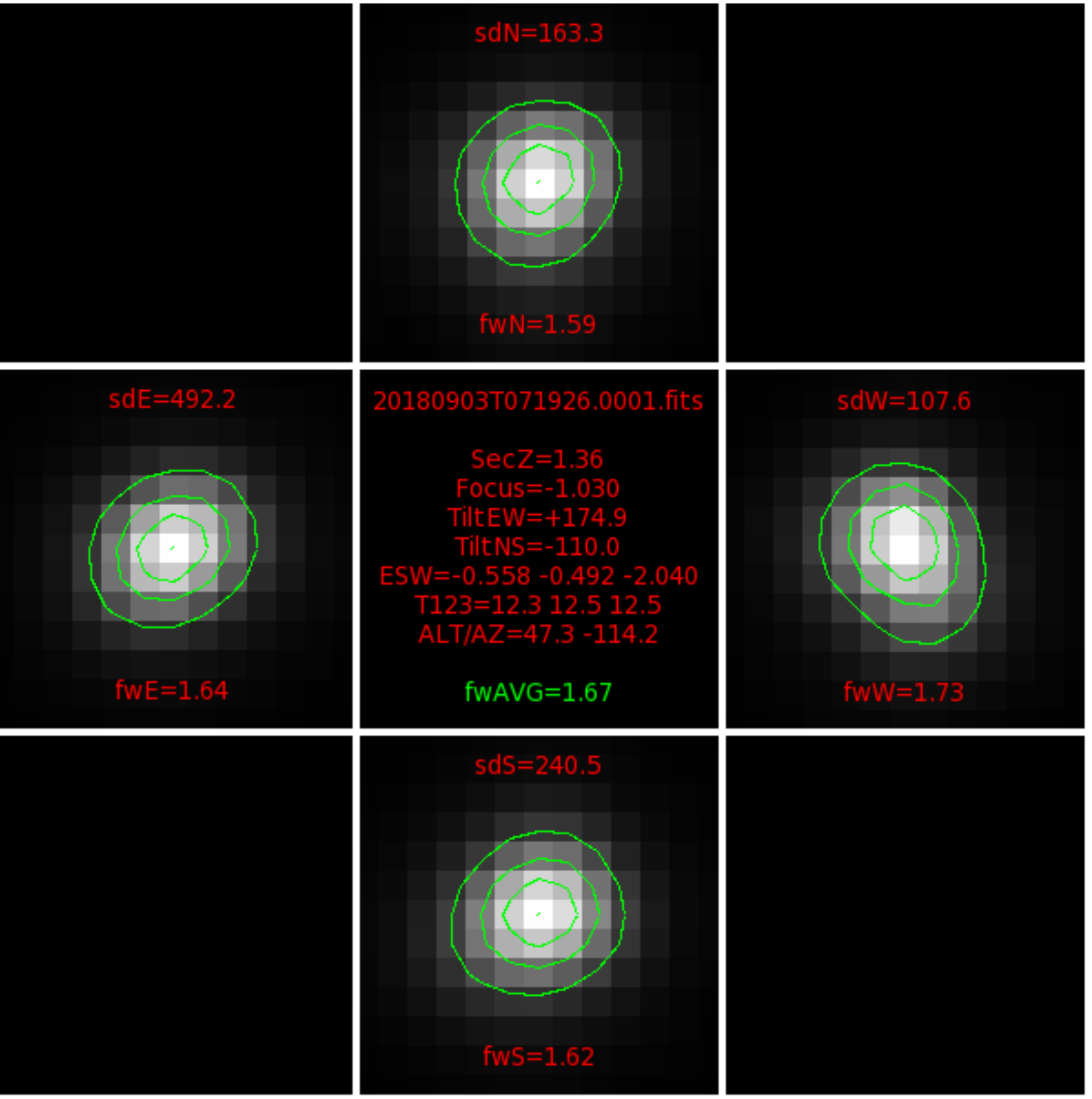
sdN=163.3
fwN=1.59
sdE=492.2
fwE=1.64
20180903T071926.0001.fits
SecZ=1.36
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.5 12.5
ALT/AZ=47.3 -114.2
fwAVG=1.67
sdW=107.6
fwW=1.73
sdS=240.5
fwS=1.62
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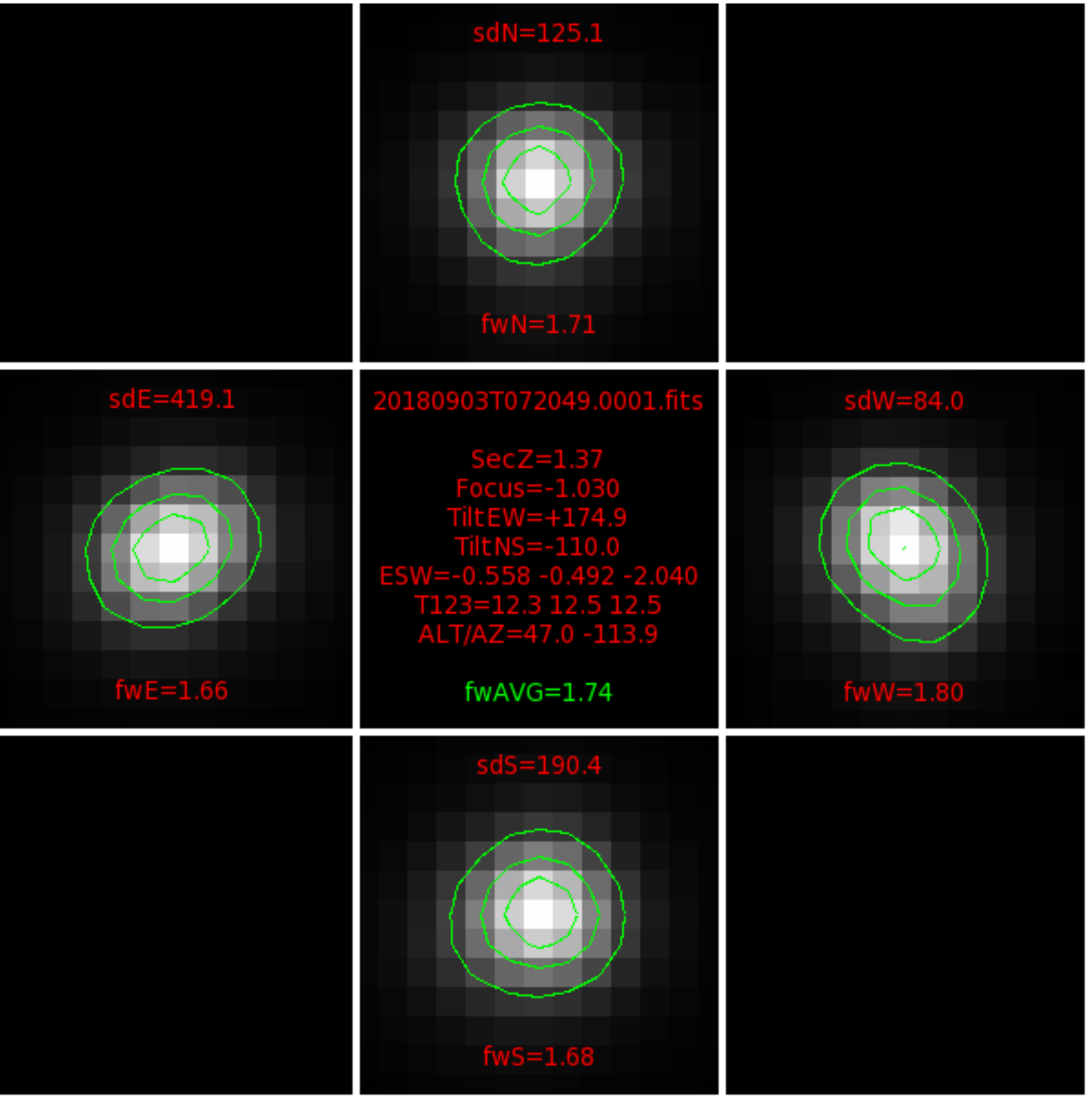
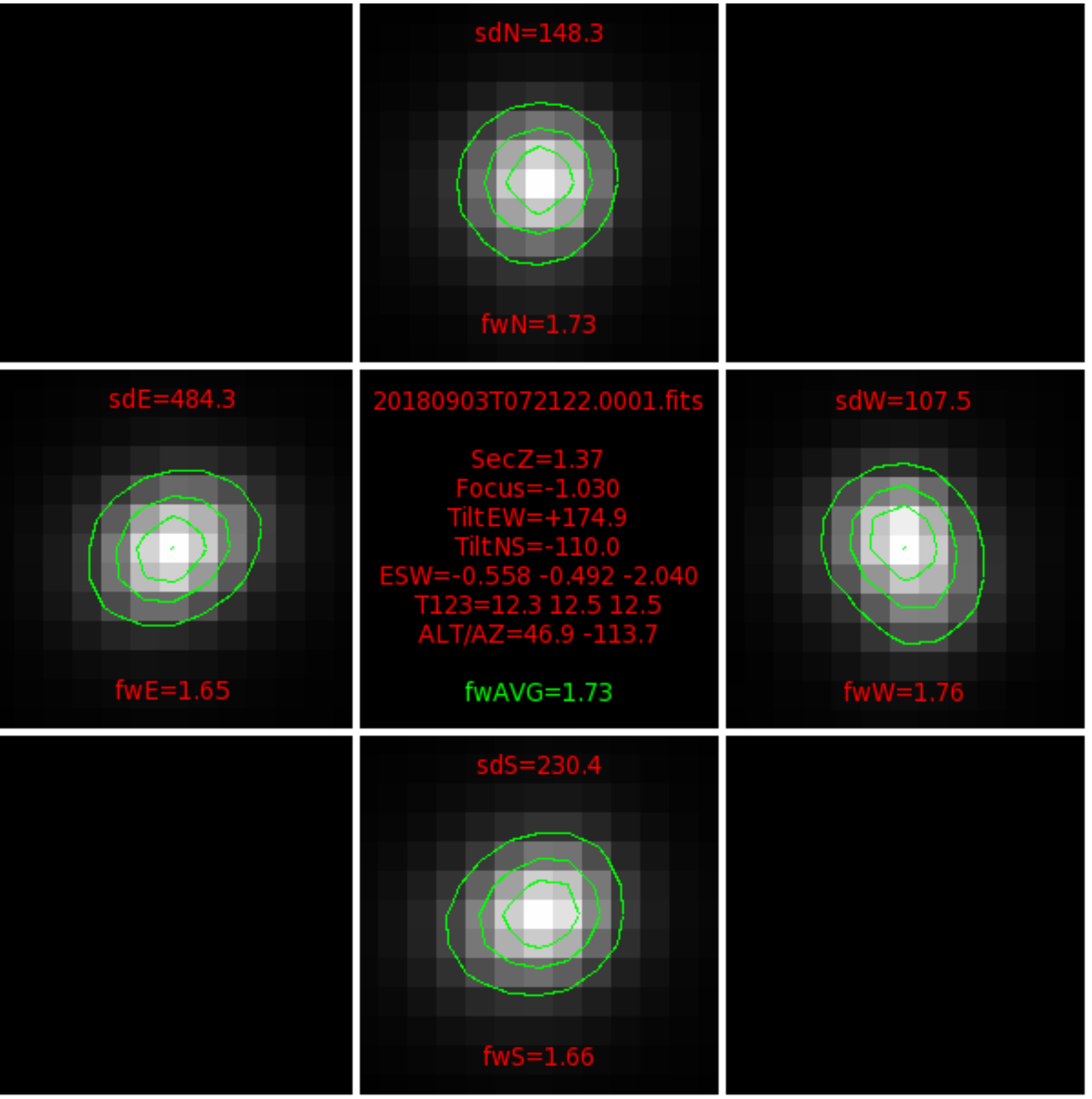

sdN=125.1
fwN=1.71
sdE=419.1
fwE=1.66
20180903T072049.0001.fits
SecZ=1.37
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.5 12.5
ALT/AZ=47.0 -113.9
fwAVG=1.74
sdW=84.0
fwW=1.80
sdS=190.4
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=148.3
fwN=1.73
sdE=484.3
fwE=1.65
20180903T072122.0001.fits
SecZ=1.37
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.5 12.5
ALT/AZ=46.9 -113.7
fwAVG=1.73
sdW=107.5
fwW=1.76
sdS=230.4
fwS=1.66
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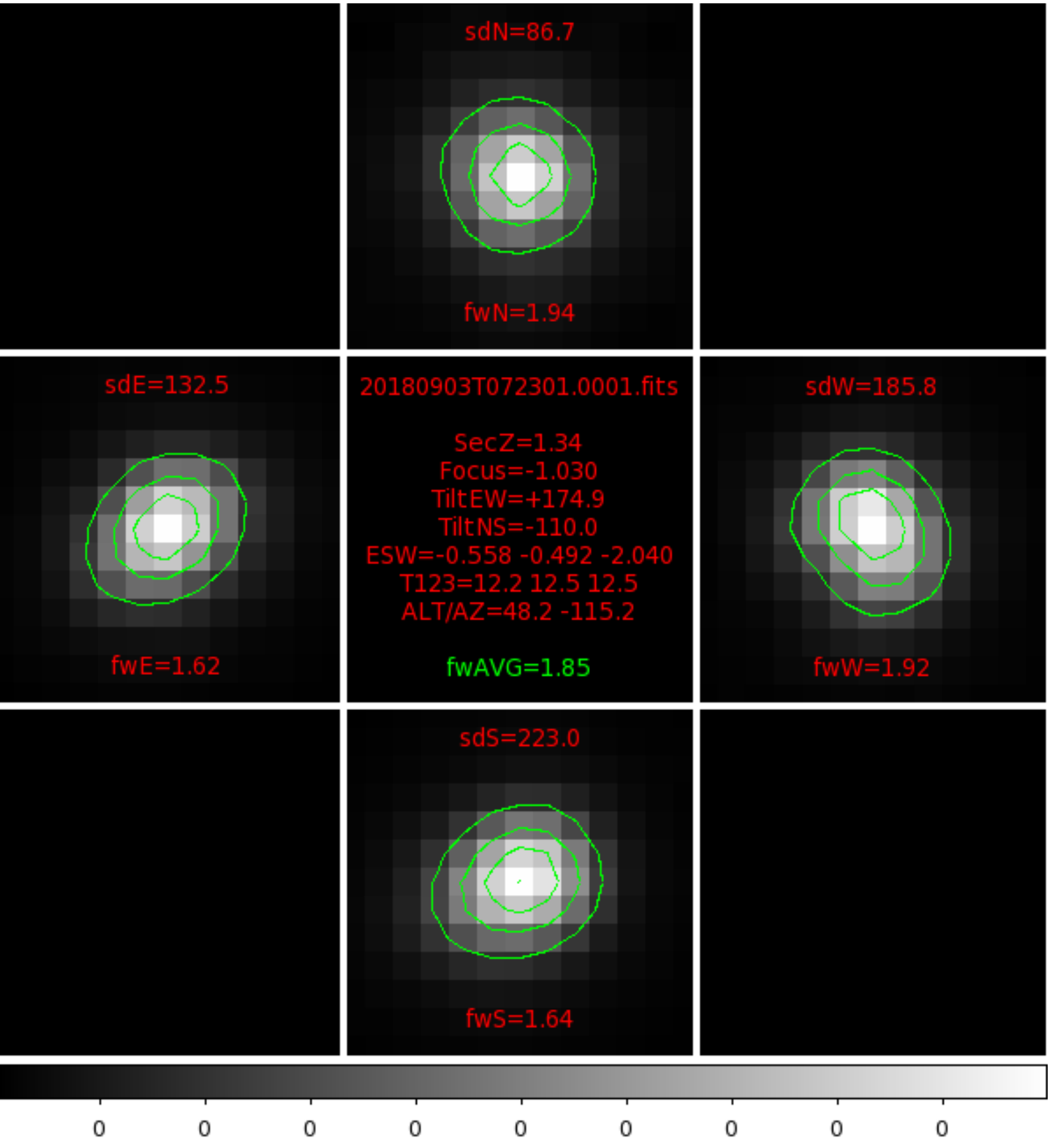
sdN=86.7
fwN=1.94
sdE=132.5
fwE=1.62
20180903T072301.0001.fits
SecZ=1.34
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.5
ALT/AZ=48.2 -115.2
fwAVG=1.85
sdW=185.8
fwW=1.92
sdS=223.0
fwS=1.64
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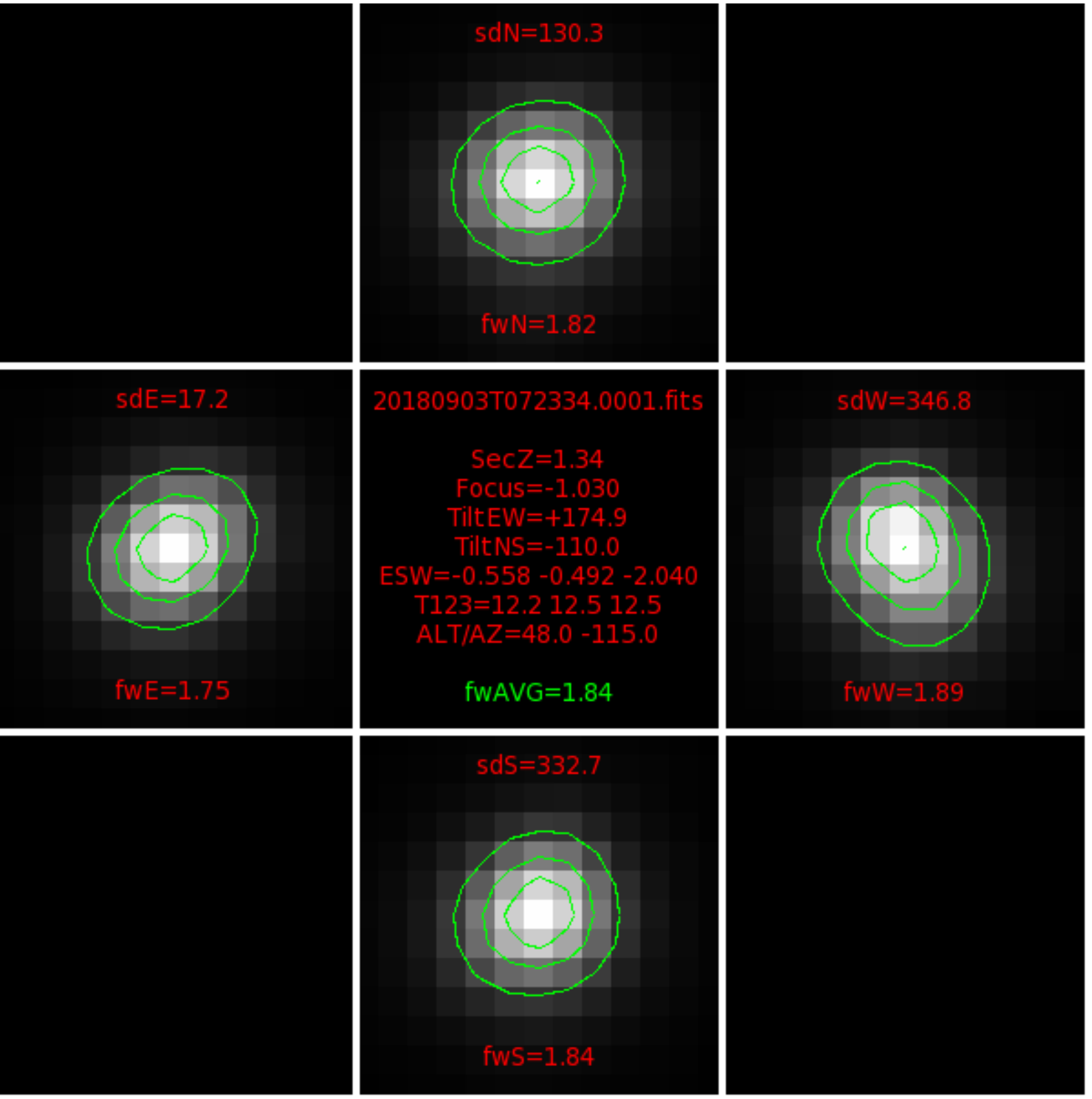
sdN=130.3
fwN=1.82
sdE=17.2
fwE=1.75
20180903T072334.0001.fits
SecZ=1.34
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.5
ALT/AZ=48.0 -115.0
fwAVG=1.84
sdW=346.8
fwW=1.89
sdS=332.7
fwS=1.84
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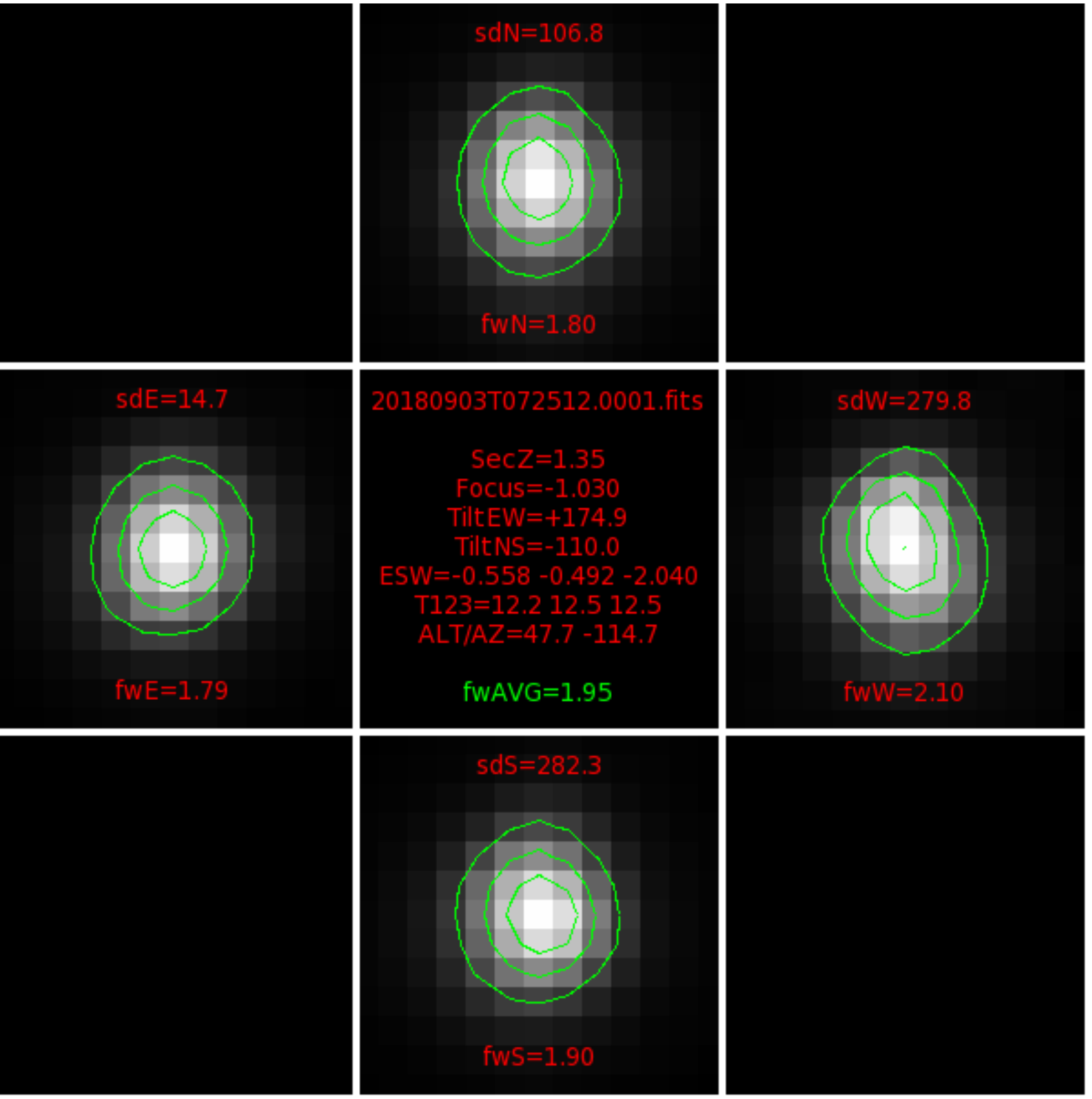
sdN=106.8
fwN=1.80
sdE=14.7
fwE=1.79
20180903T072512.0001.fits
SecZ=1.35
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.5
ALT/AZ=47.7 -114.7
fwAVG=1.95
sdW=279.8
fwW=2.10
sdS=282.3
fwS=1.90
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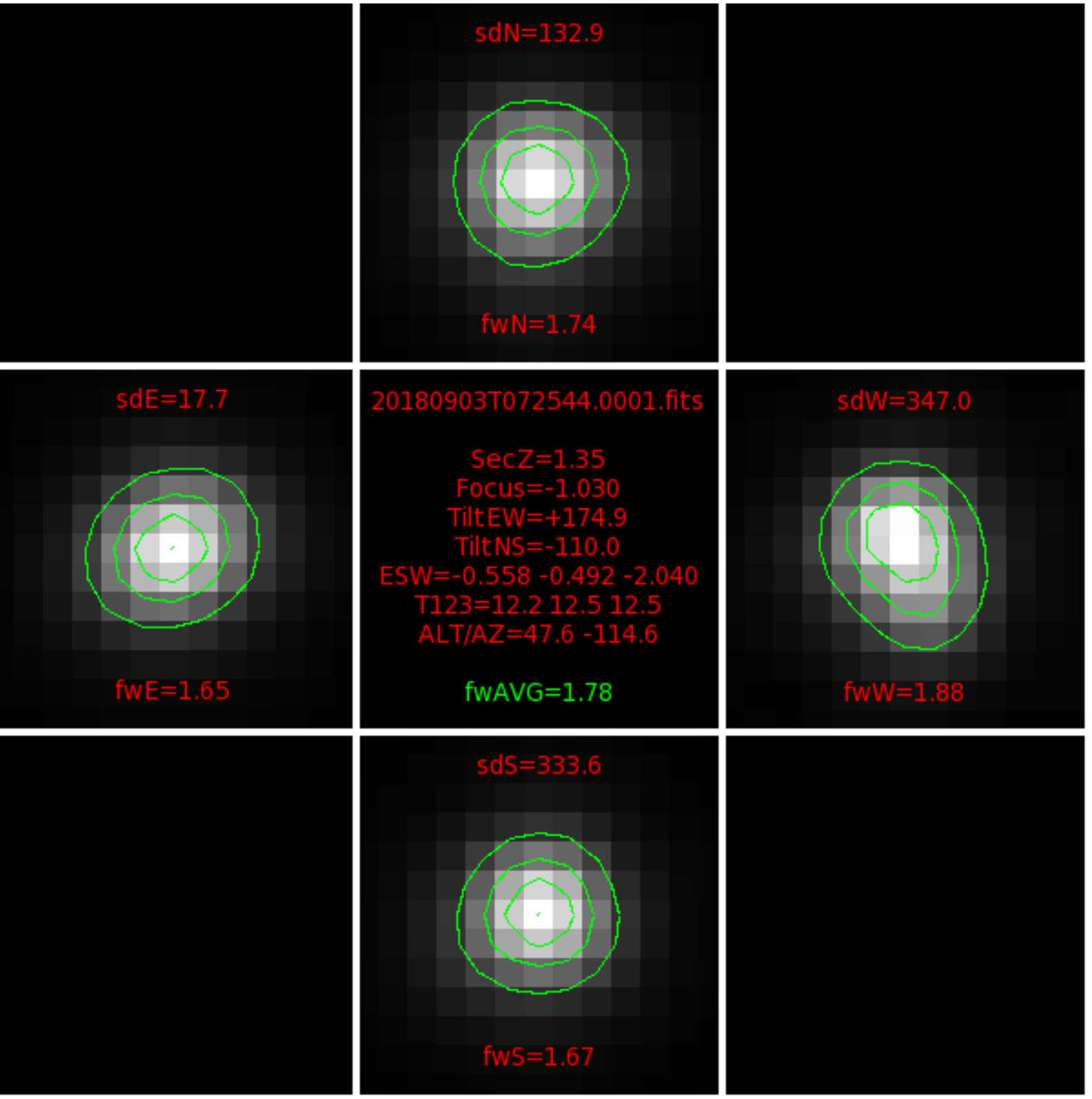
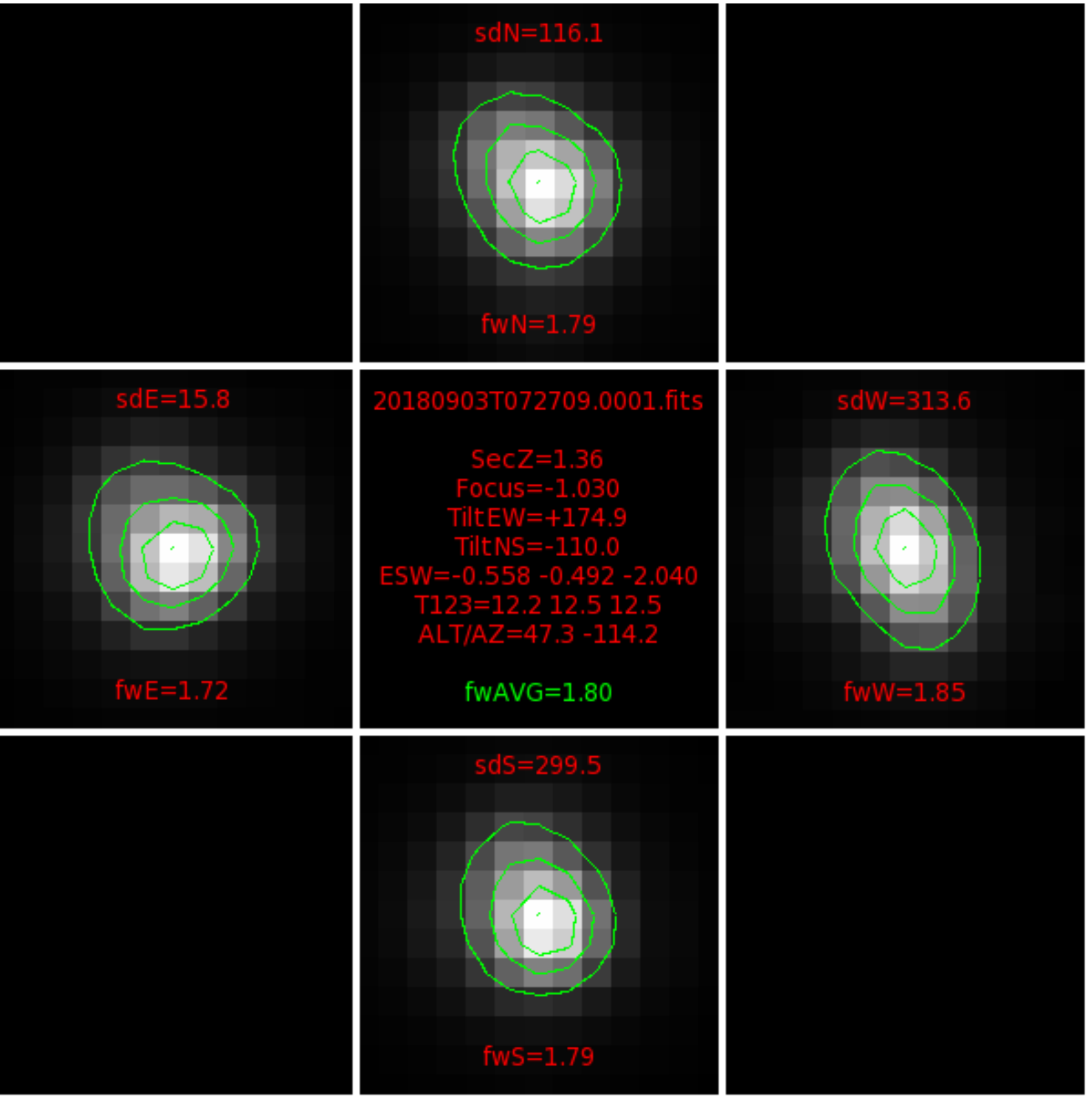

sdN=132.9
fwN=1.74
sdE=17.7
fwE=1.65
20180903T072544.0001.fits
SecZ=1.35
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.5
ALT/AZ=47.6 -114.6
fwAVG=1.78
sdW=347.0
fwW=1.88
sdS=333.6
fwS=1.67
0 0 0 0 0 0 0 0 0


sdN=116.1
fwN=1.79
sdE=15.8
fwE=1.72
20180903T072709.0001.fits
SecZ=1.36
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.5
ALT/AZ=47.3 -114.2
fwAVG=1.80
sdW=313.6
fwW=1.85
sdS=299.5
fwS=1.79
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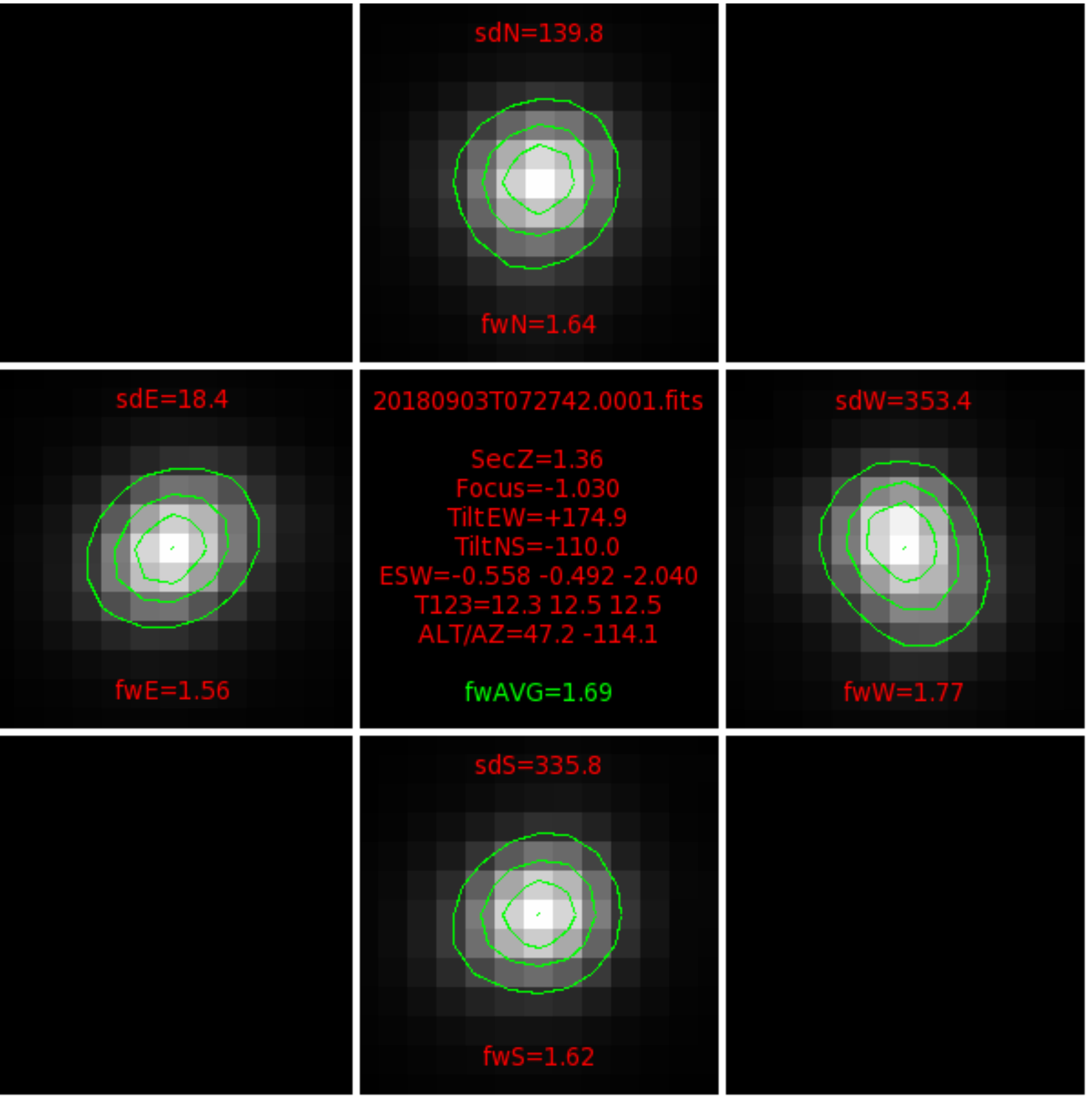
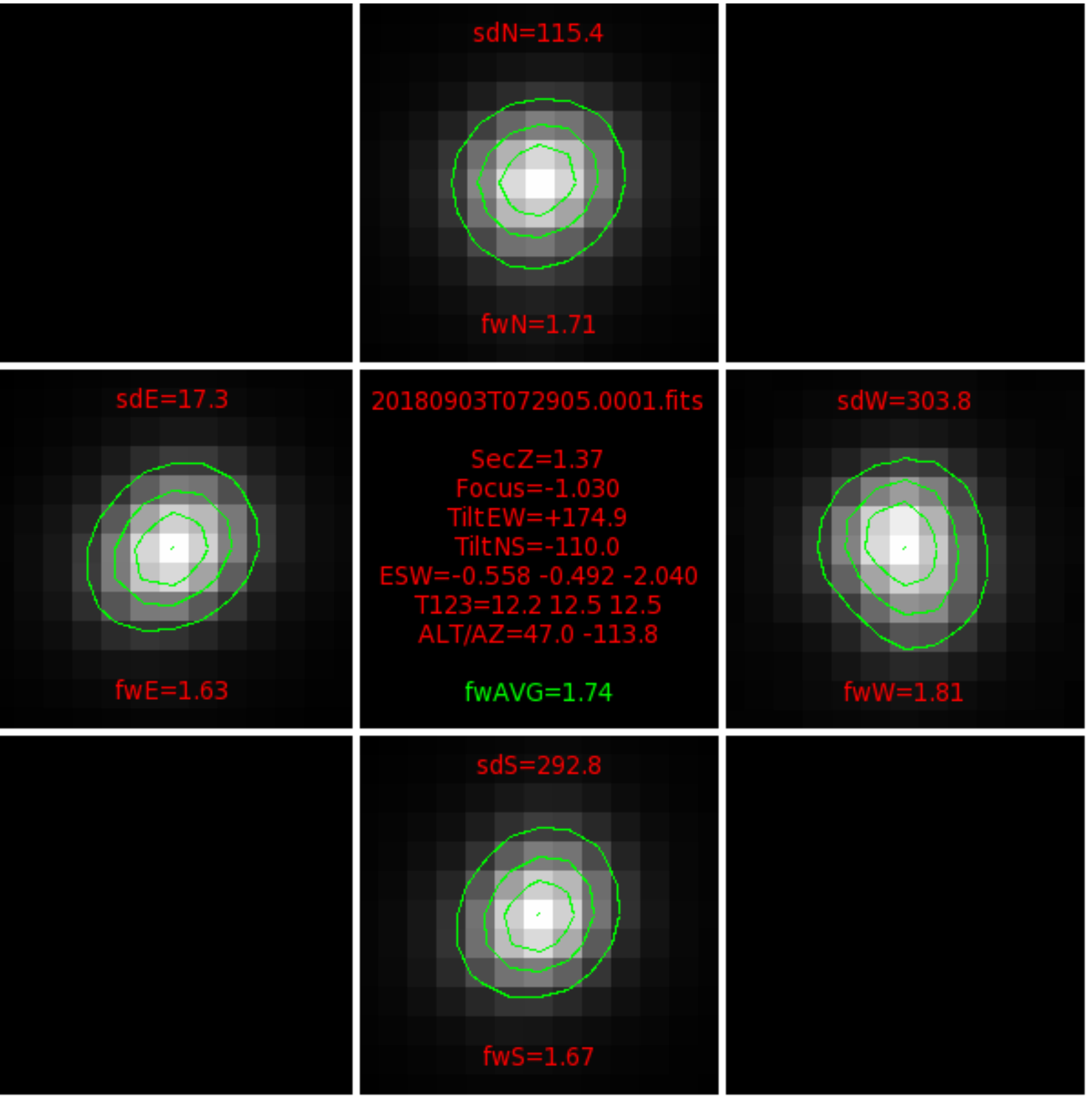
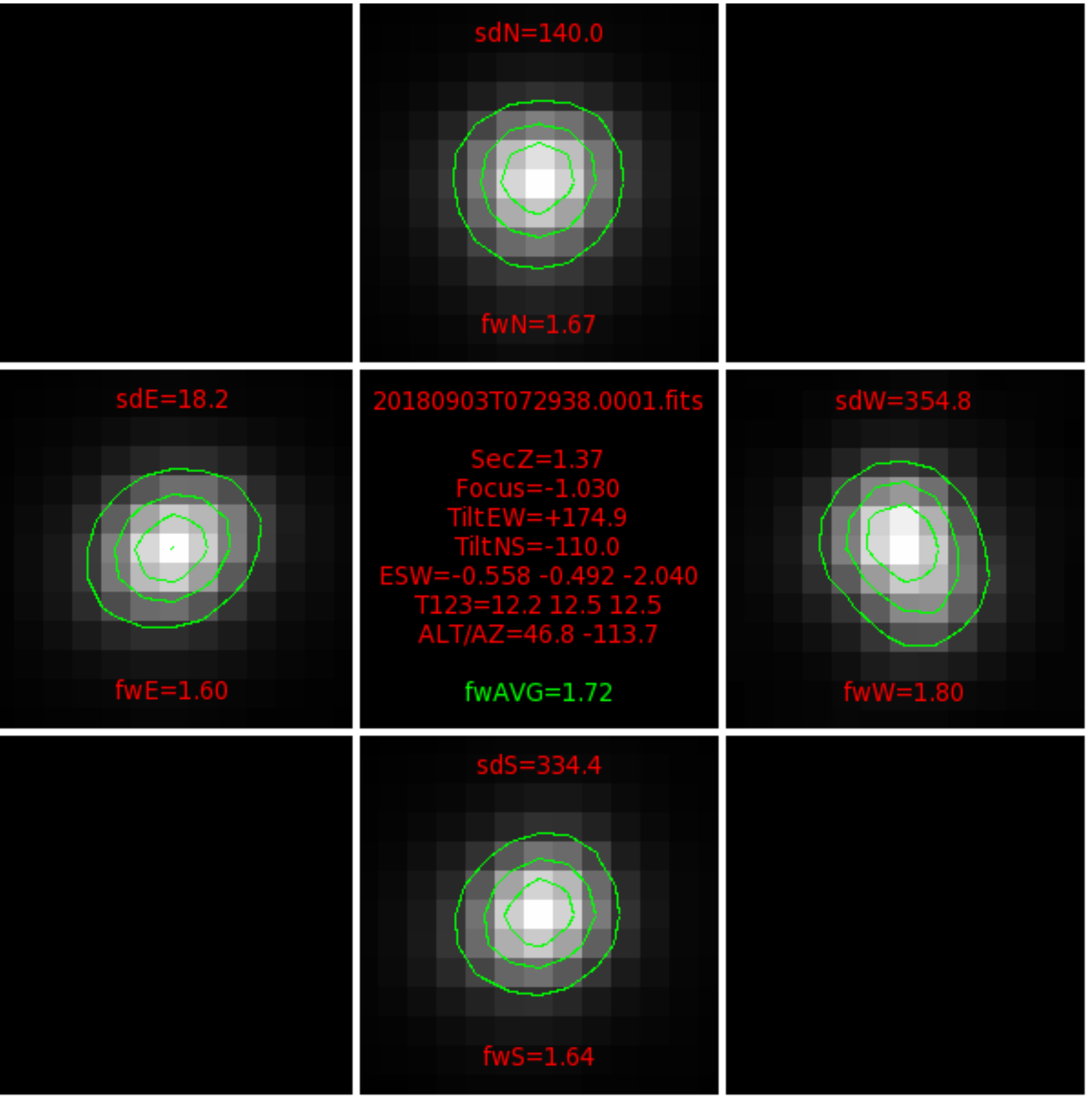

sdN=139.8
fwN=1.64
sdE=18.4
fwE=1.56
20180903T072742.0001.fits
SecZ=1.36
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.5 12.5
ALT/AZ=47.2 -114.1
fwAVG=1.69
sdW=353.4
fwW=1.77
sdS=335.8
fwS=1.62
0 0 0 0 0 0 0 0 0


sdN=115.4
fwN=1.71
sdE=17.3
fwE=1.63
20180903T072905.0001.fits
SecZ=1.37
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.5
ALT/AZ=47.0 -113.8
fwAVG=1.74
sdW=303.8
fwW=1.81
sdS=292.8
fwS=1.67
0 0 0 0 0 0 0 0 0


sdN=140.0
fwN=1.67
sdE=18.2
fwE=1.60
20180903T072938.0001.fits
SecZ=1.37
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.5
ALT/AZ=46.8 -113.7
fwAVG=1.72
sdW=354.8
fwW=1.80
sdS=334.4
fwS=1.64
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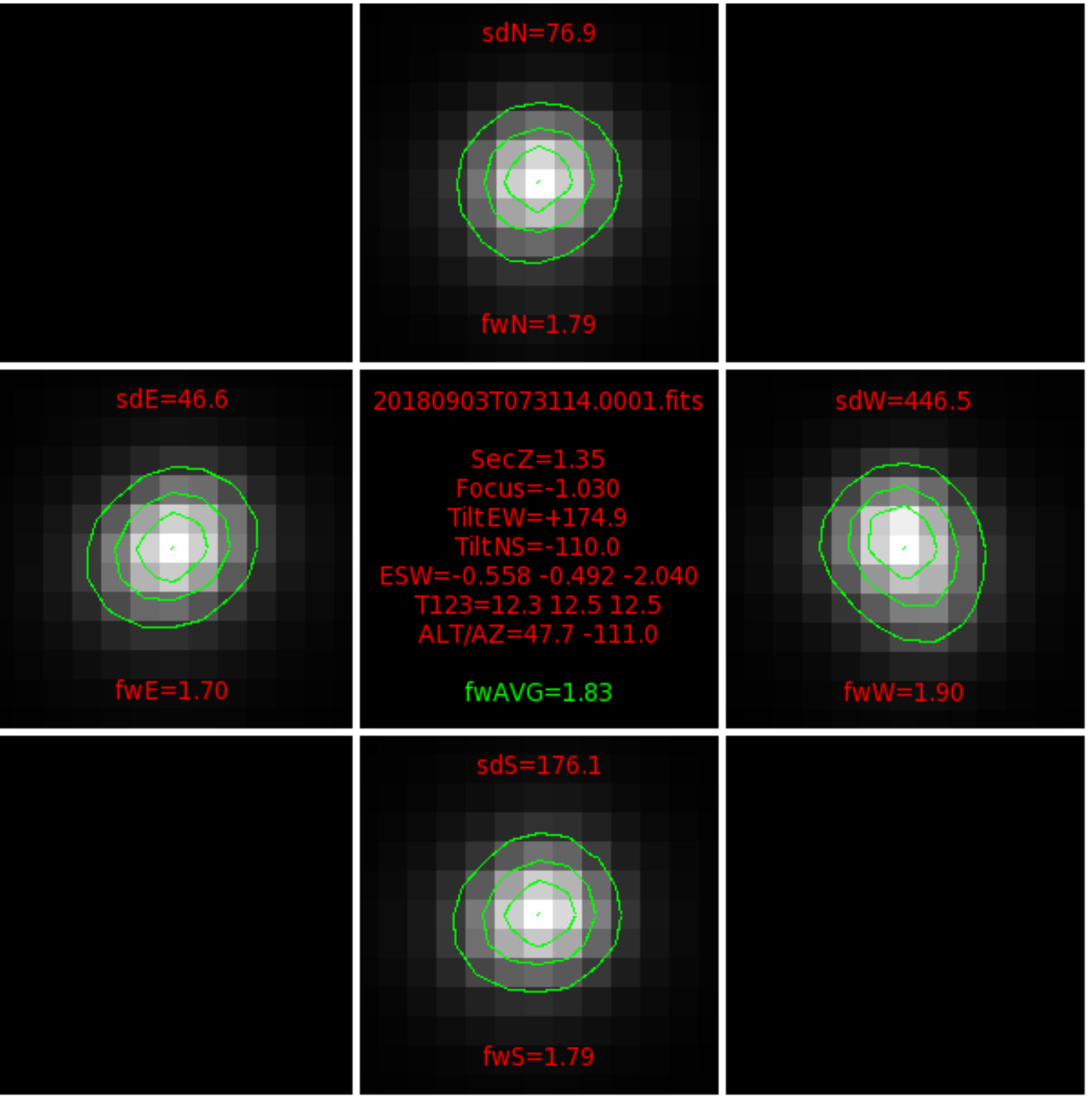
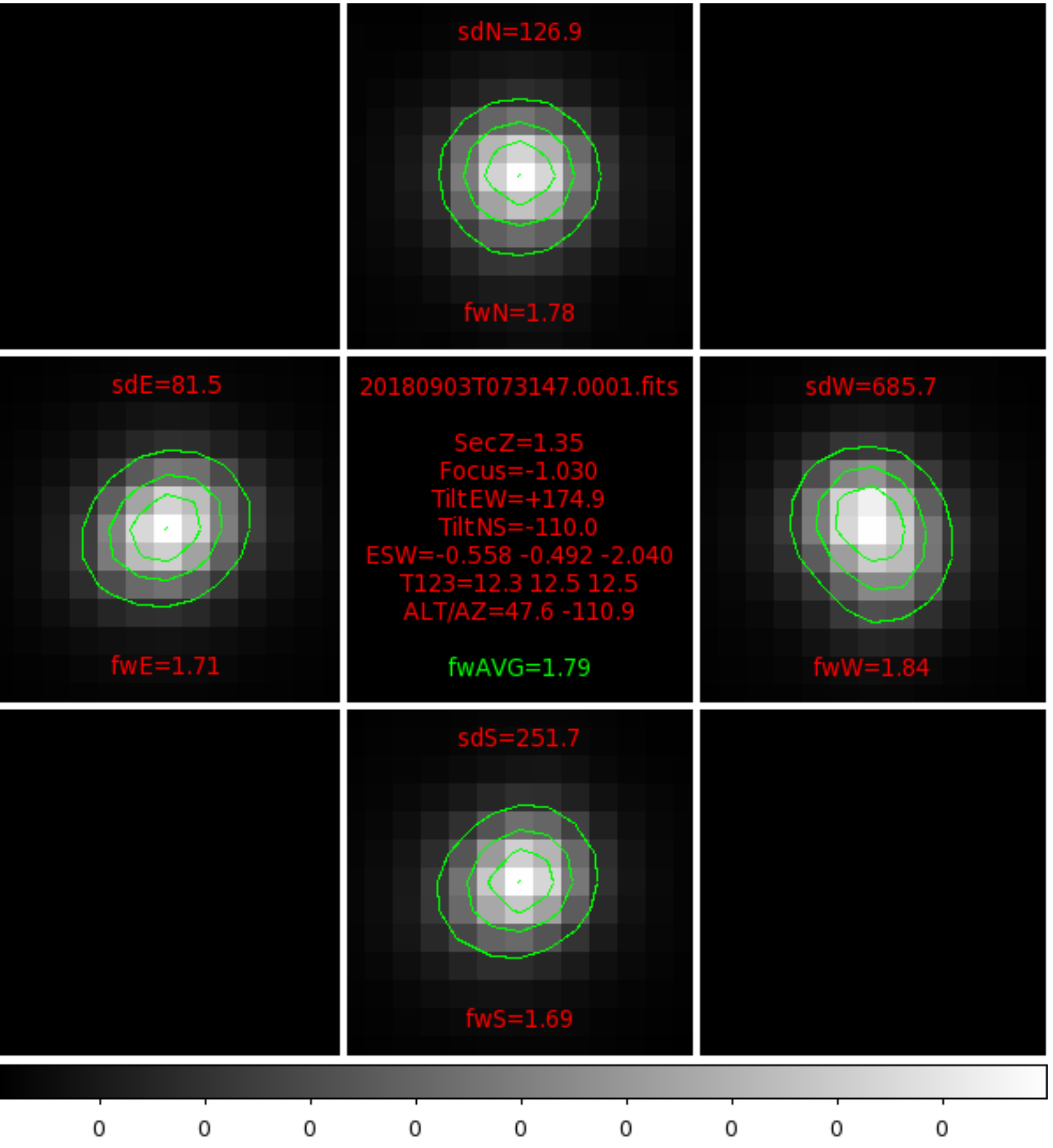
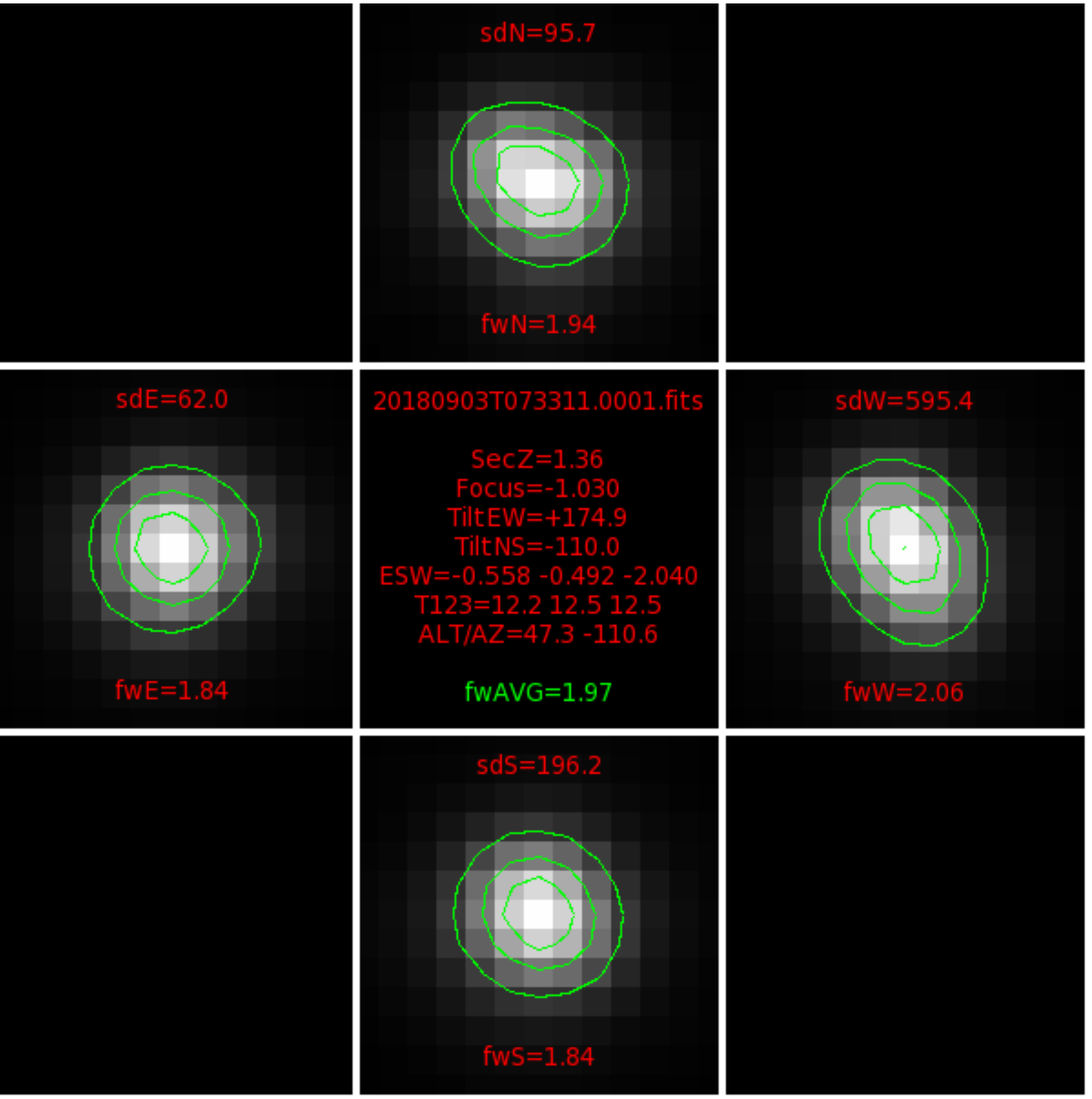

sdN=76.9
fwN=1.79
sdE=46.6
fwE=1.70
20180903T073114.0001.fits
SecZ=1.35
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.5 12.5
ALT/AZ=47.7 -111.0
fwAVG=1.83
sdW=446.5
fwW=1.90
sdS=176.1
fwS=1.79
0 0 0 0 0 0 0 0 0


sdN=126.9
fwN=1.78
sdE=81.5
fwE=1.71
20180903T073147.0001.fits
SecZ=1.35
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.5 12.5
ALT/AZ=47.6 -110.9
fwAVG=1.79
sdW=685.7
fwW=1.84
sdS=251.7
fwS=1.69
0 0 0 0 0 0 0 0 0


sdN=95.7
fwN=1.94
sdE=62.0
fwE=1.84
20180903T073311.0001.fits
SecZ=1.36
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.5
ALT/AZ=47.3 -110.6
fwAVG=1.97
sdW=595.4
fwW=2.06
sdS=196.2
fwS=1.84
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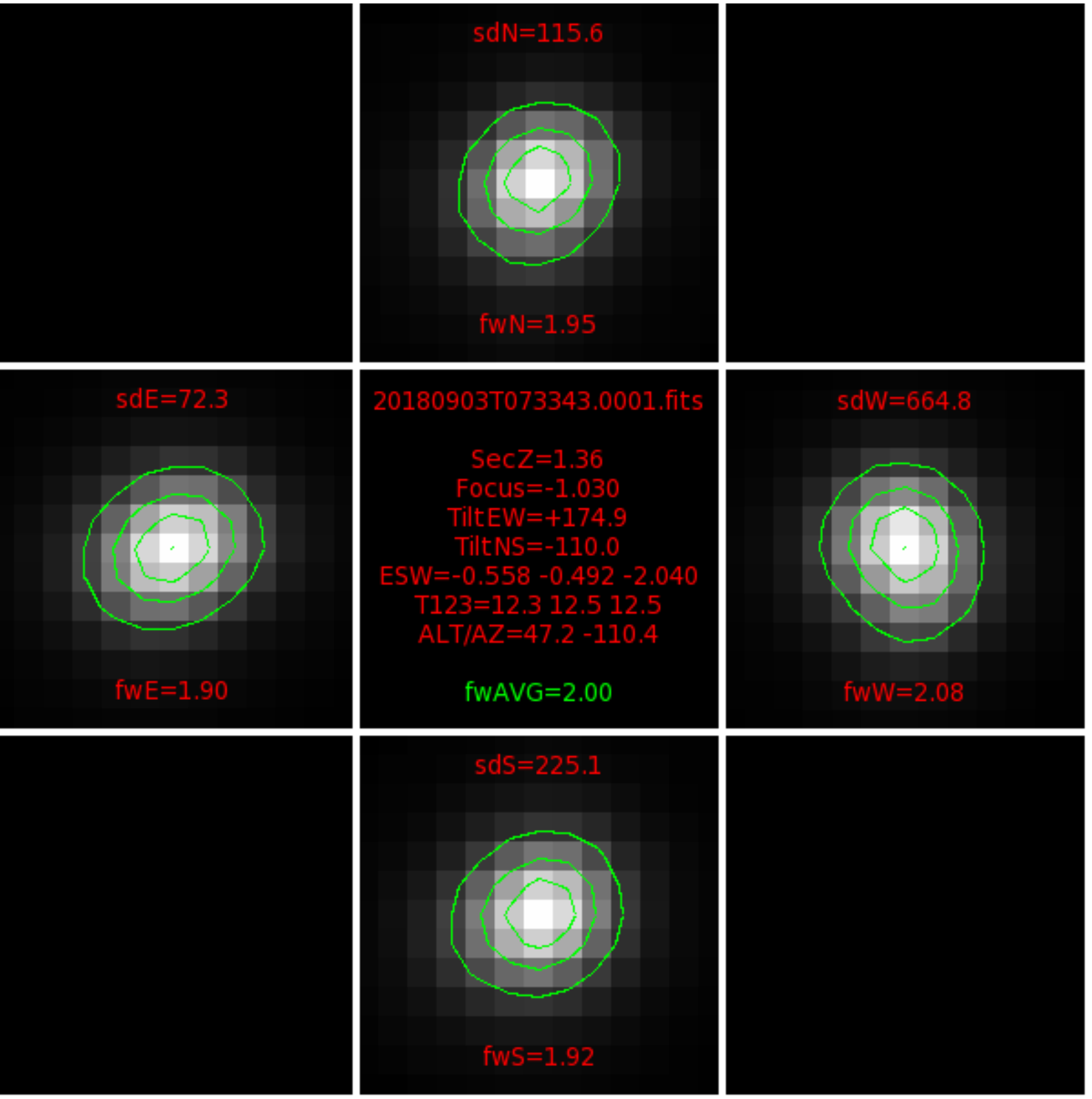
sdN=115.6
fwN=1.95
sdE=72.3
fwE=1.90
20180903T073343.0001.fits
SecZ=1.36
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.5 12.5
ALT/AZ=47.2 -110.4
fwAVG=2.00
sdW=664.8
fwW=2.08
sdS=225.1
fwS=1.92
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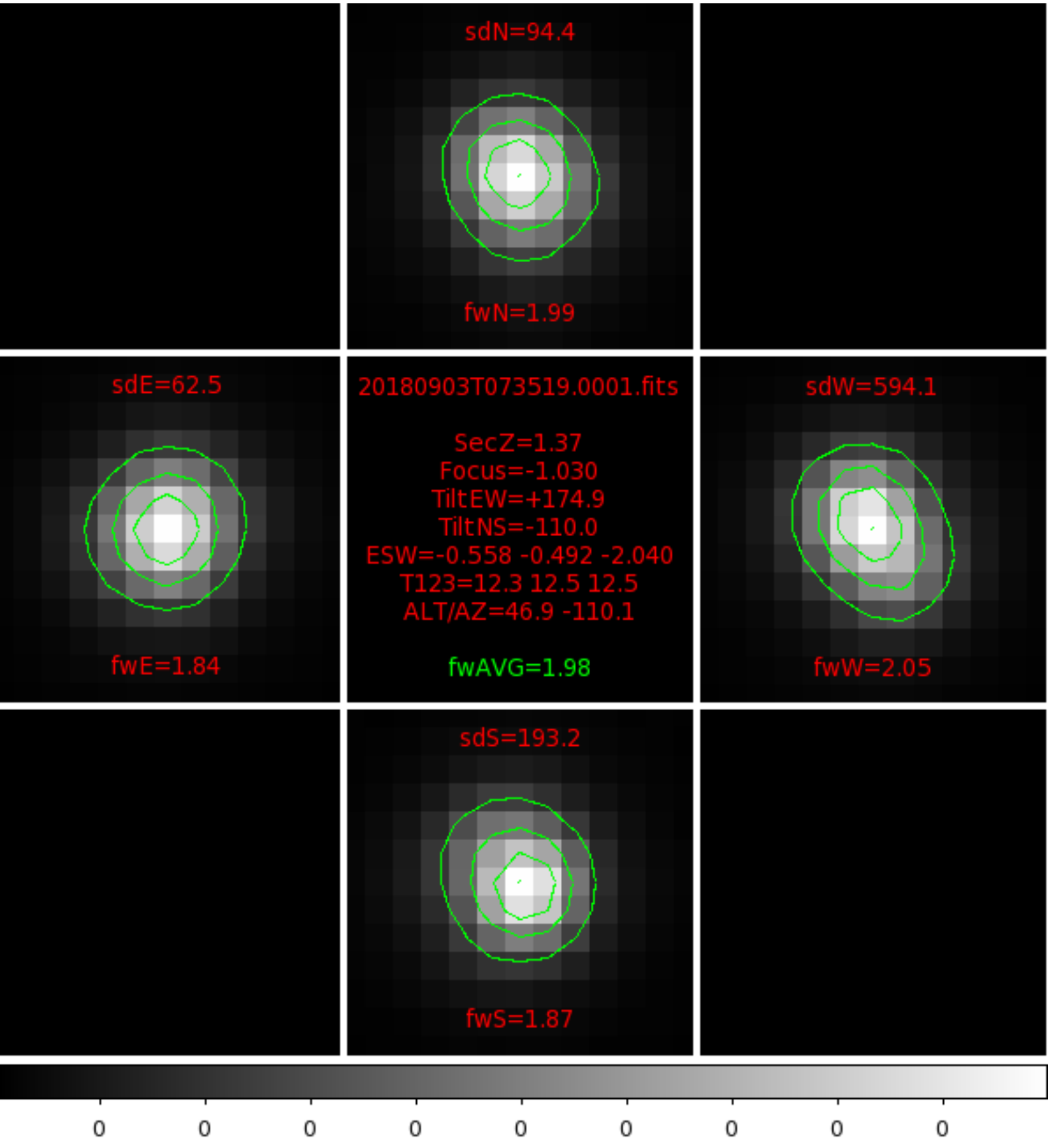
sdN=94.4
fwN=1.99
sdE=62.5
fwE=1.84
20180903T073519.0001.fits
SecZ=1.37
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.5 12.5
ALT/AZ=46.9 -110.1
fwAVG=1.98
sdW=594.1
fwW=2.05
sdS=193.2
fwS=1.87
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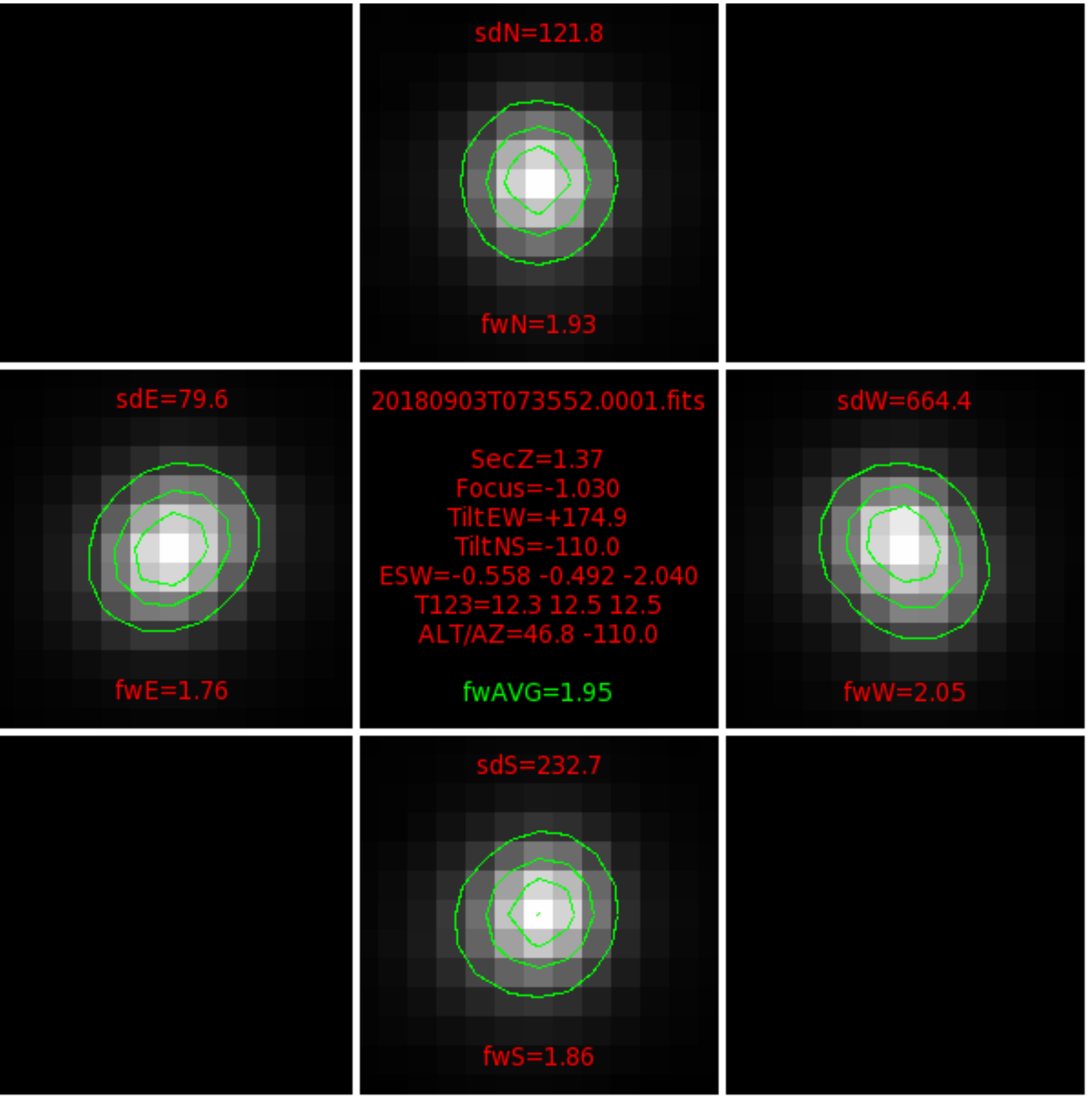
sdN=121.8
fwN=1.93
sdE=79.6
fwE=1.76
20180903T073552.0001.fits
SecZ=1.37
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.5 12.5
ALT/AZ=46.8 -110.0
fwAVG=1.95
sdW=664.4
fwW=2.05
sdS=232.7
fwS=1.86
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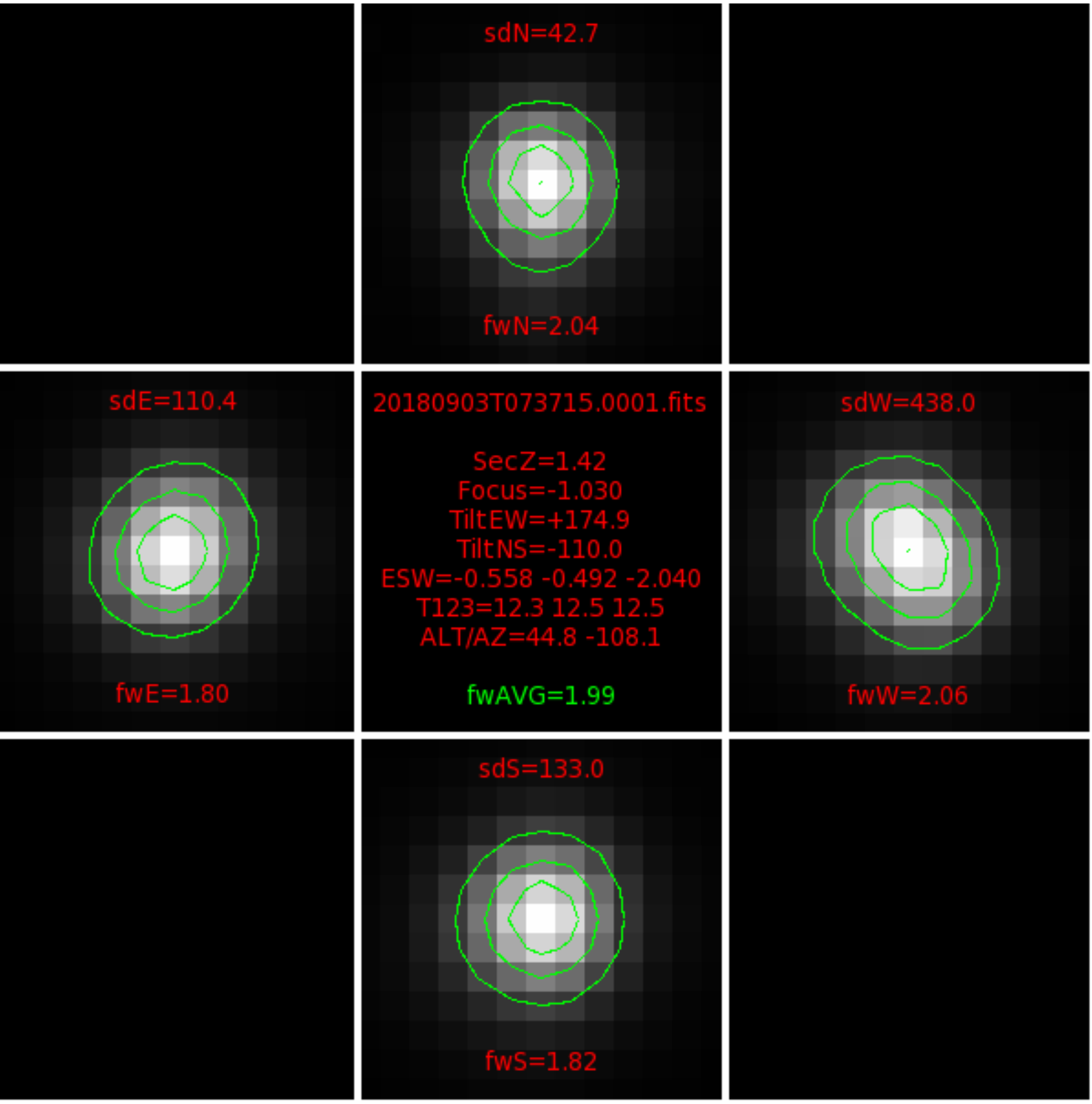
sdN=42.7
fwN=2.04
sdE=110.4
fwE=1.80
20180903T073715.0001.fits
SecZ=1.42
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.5 12.5
ALT/AZ=44.8 -108.1
fwAVG=1.99
sdW=438.0
fwW=2.06
sdS=133.0
fwS=1.82
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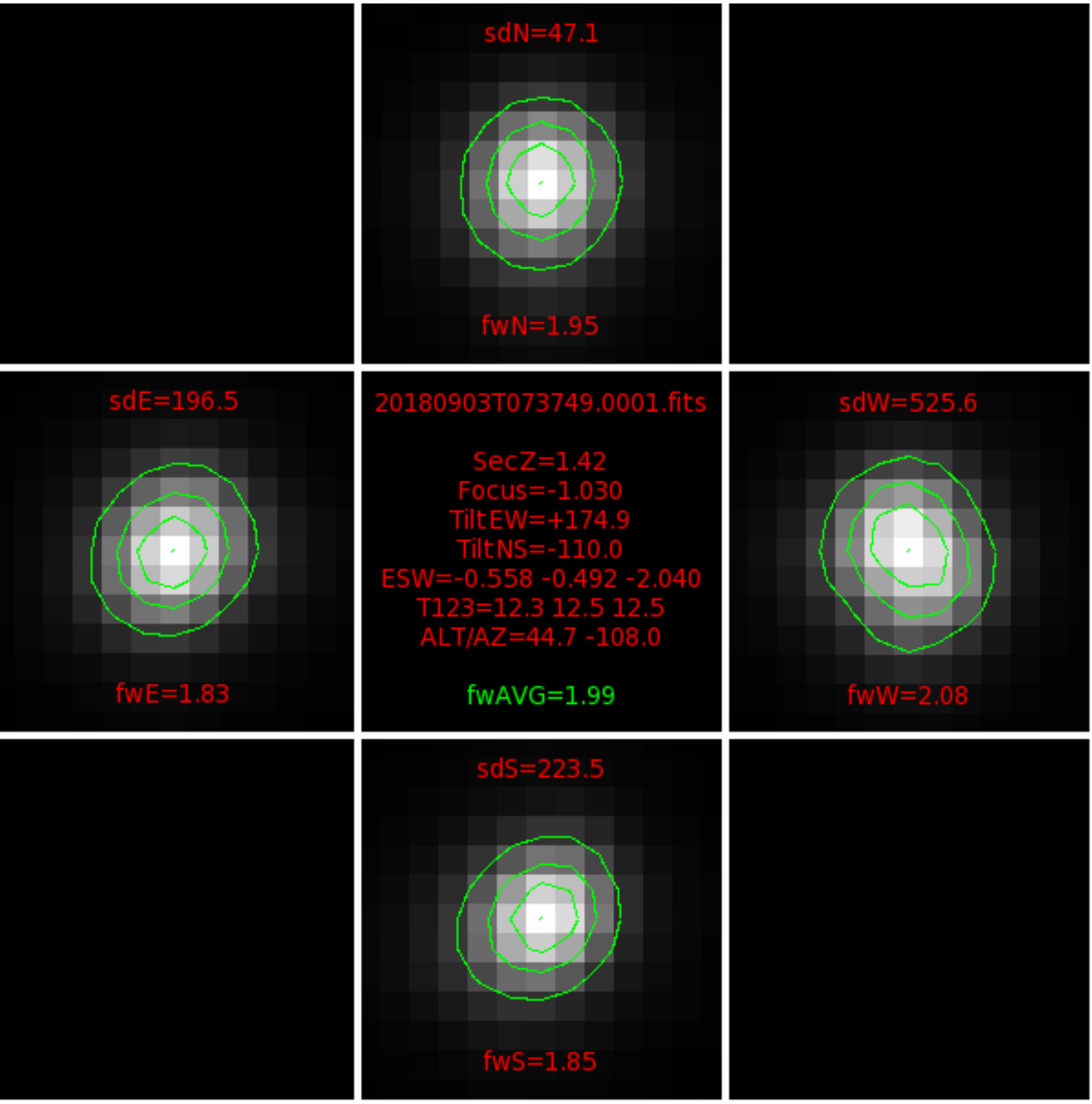
sdN=47.1
fwN=1.95
sdE=196.5
fwE=1.83
20180903T073749.0001.fits
SecZ=1.42
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.5 12.5
ALT/AZ=44.7 -108.0
fwAVG=1.99
sdW=525.6
fwW=2.08
sdS=223.5
fwS=1.85
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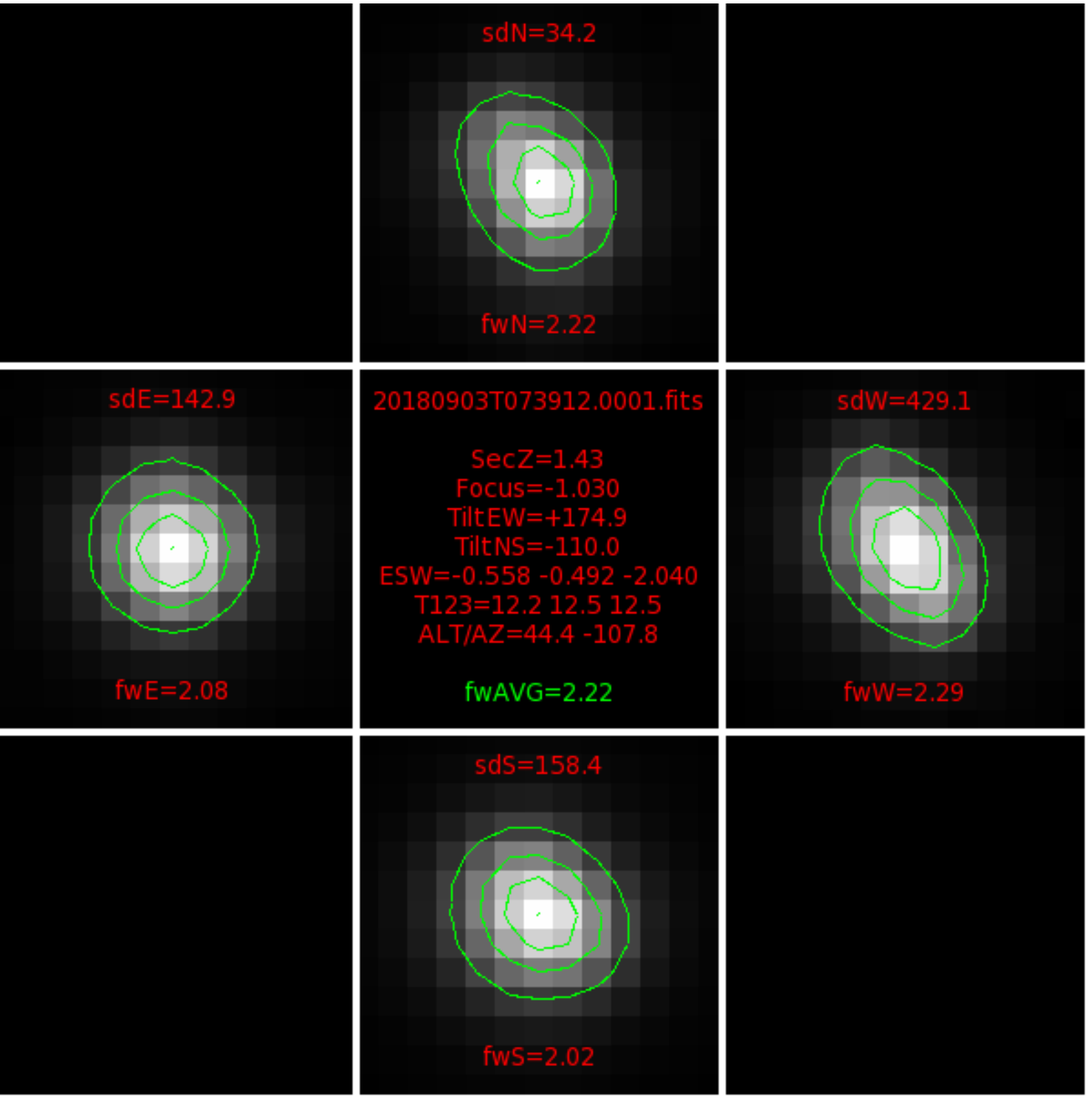
sdN=34.2
fwN=2.22
sdE=142.9
fwE=2.08
20180903T073912.0001.fits
SecZ=1.43
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.5
ALT/AZ=44.4 -107.8
fwAVG=2.22
sdW=429.1
fwW=2.29
sdS=158.4
fwS=2.02
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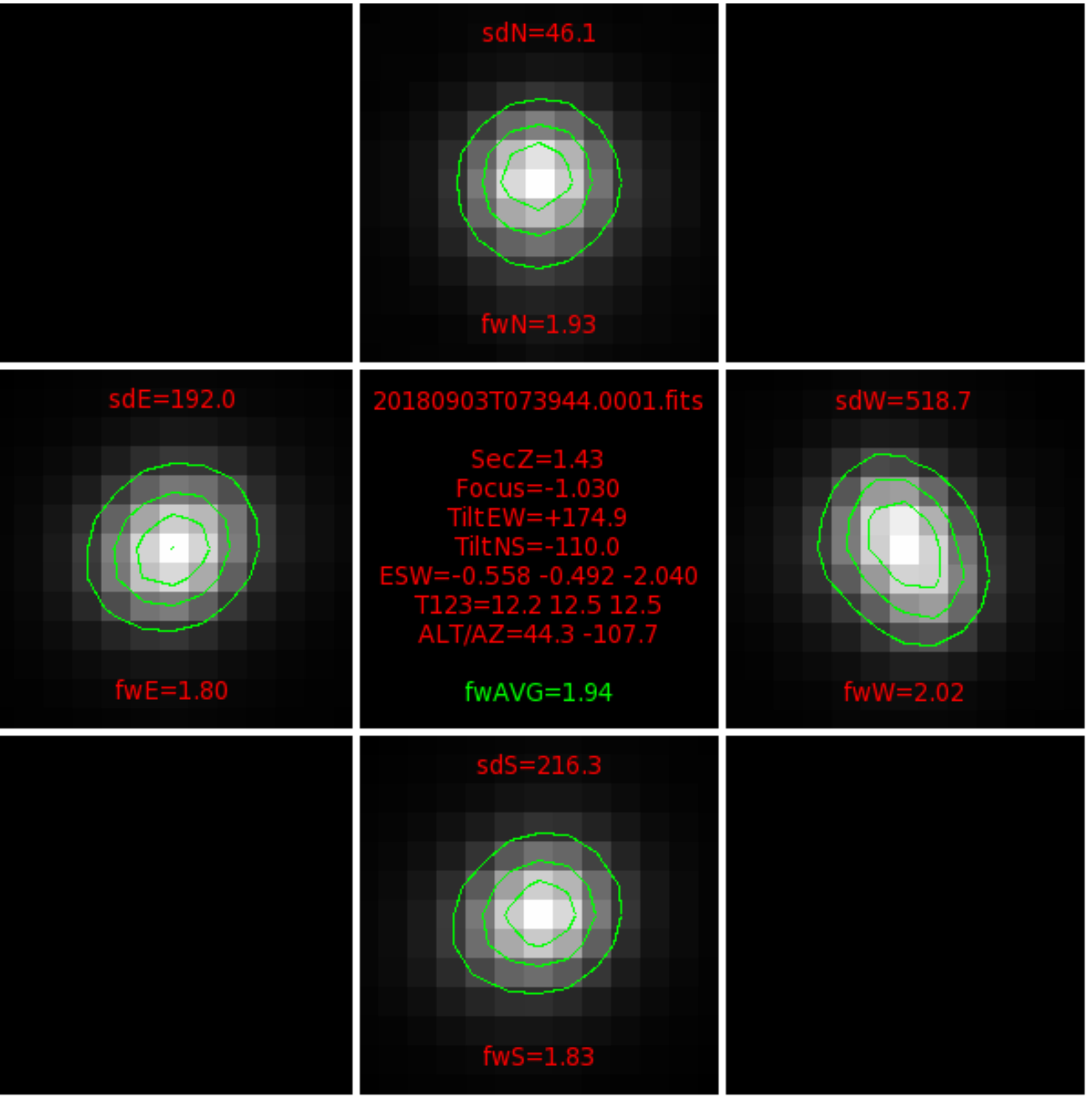
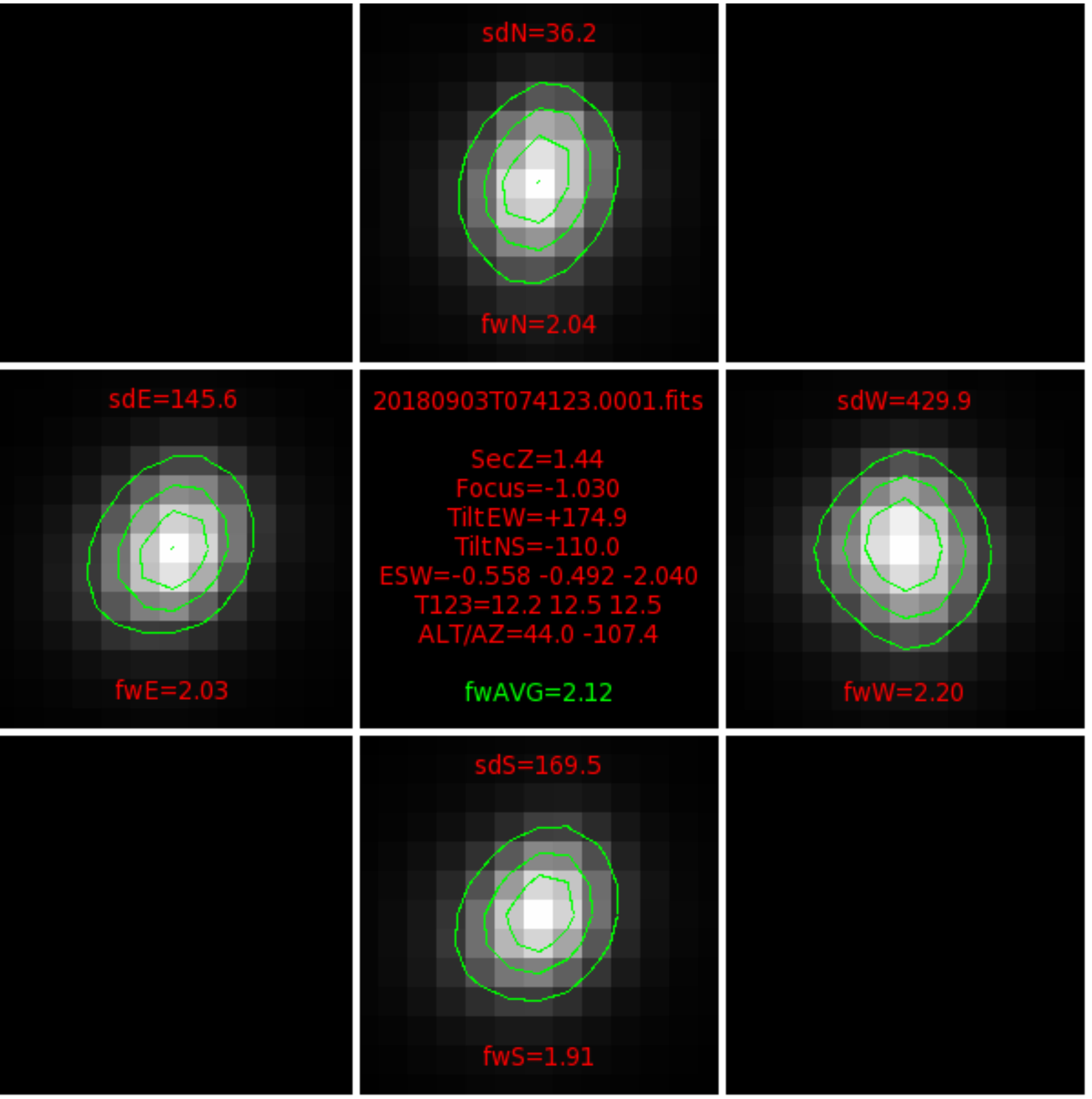
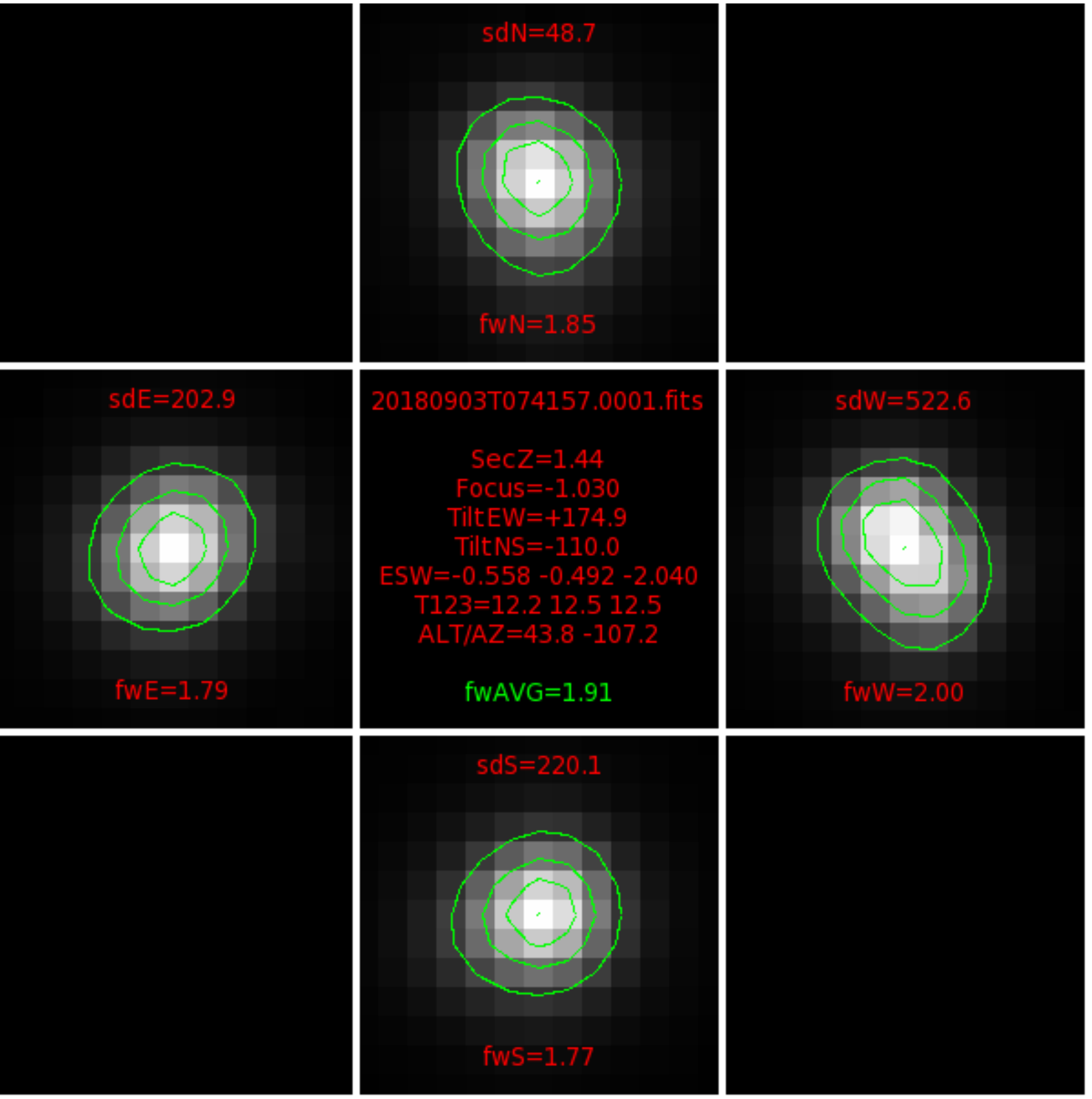

sdN=46.1
fwN=1.93
sdE=192.0
fwE=1.80
20180903T073944.0001.fits
SecZ=1.43
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.5
ALT/AZ=44.3 -107.7
fwAVG=1.94
sdW=518.7
fwW=2.02
sdS=216.3
fwS=1.83
0 0 0 0 0 0 0 0 0


sdN=36.2
fwN=2.04
sdE=145.6
fwE=2.03
20180903T074123.0001.fits
SecZ=1.44
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.5
ALT/AZ=44.0 -107.4
fwAVG=2.12
sdW=429.9
fwW=2.20
sdS=169.5
fwS=1.91
0 0 0 0 0 0 0 0 0


sdN=48.7
fwN=1.85
sdE=202.9
fwE=1.79
20180903T074157.0001.fits
SecZ=1.44
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.5
ALT/AZ=43.8 -107.2
fwAVG=1.91
sdW=522.6
fwW=2.00
sdS=220.1
fwS=1.77
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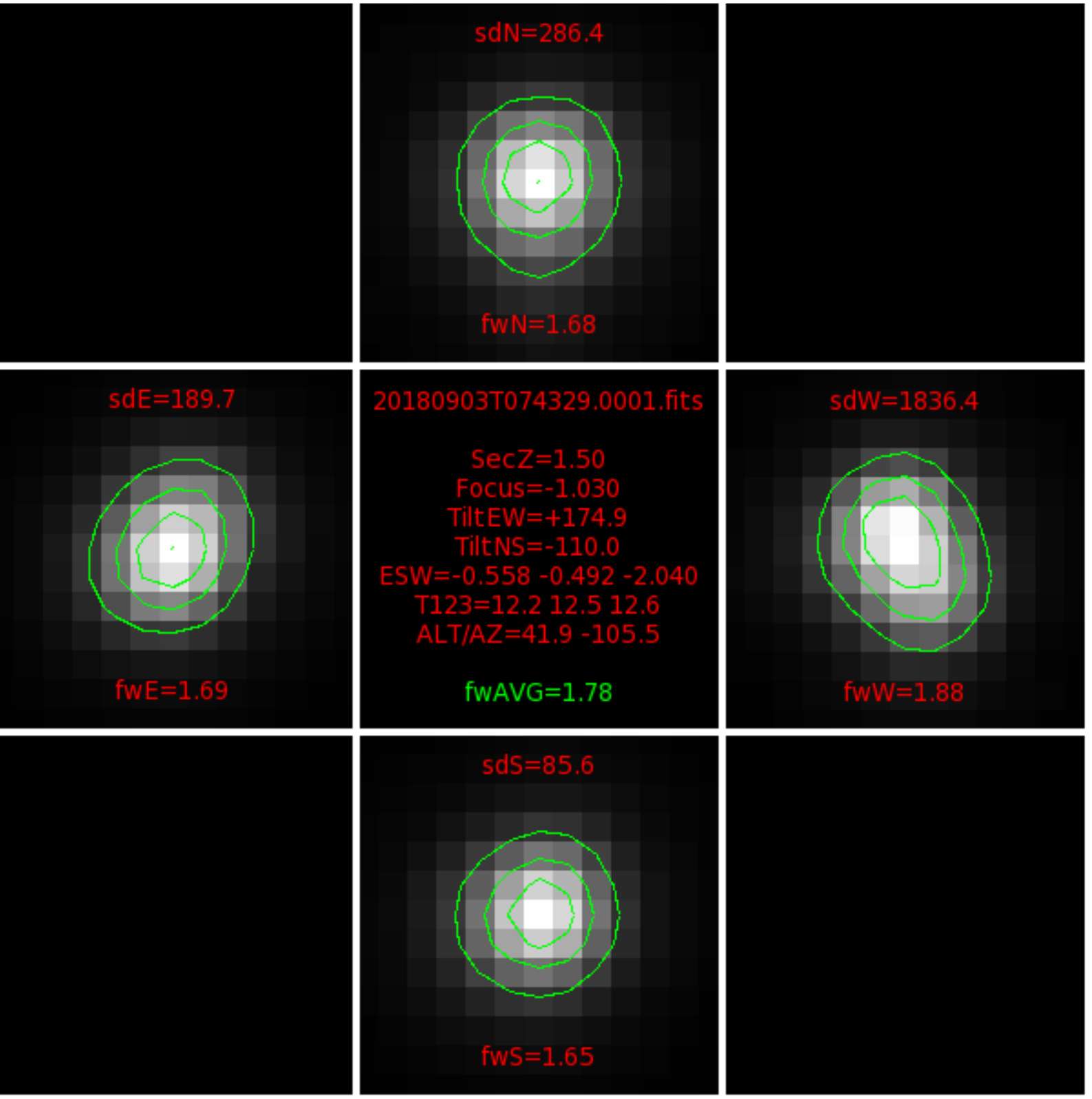
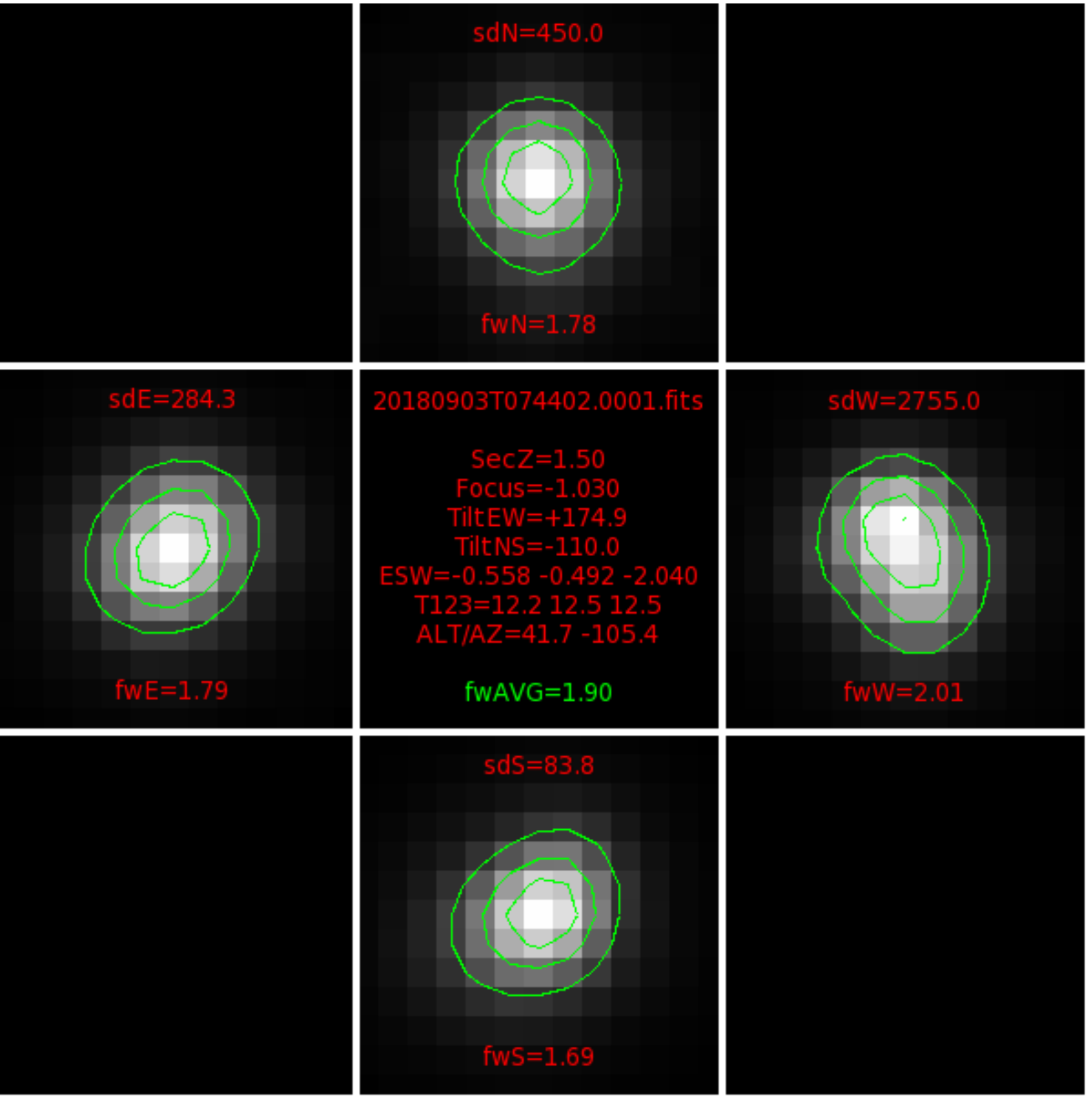
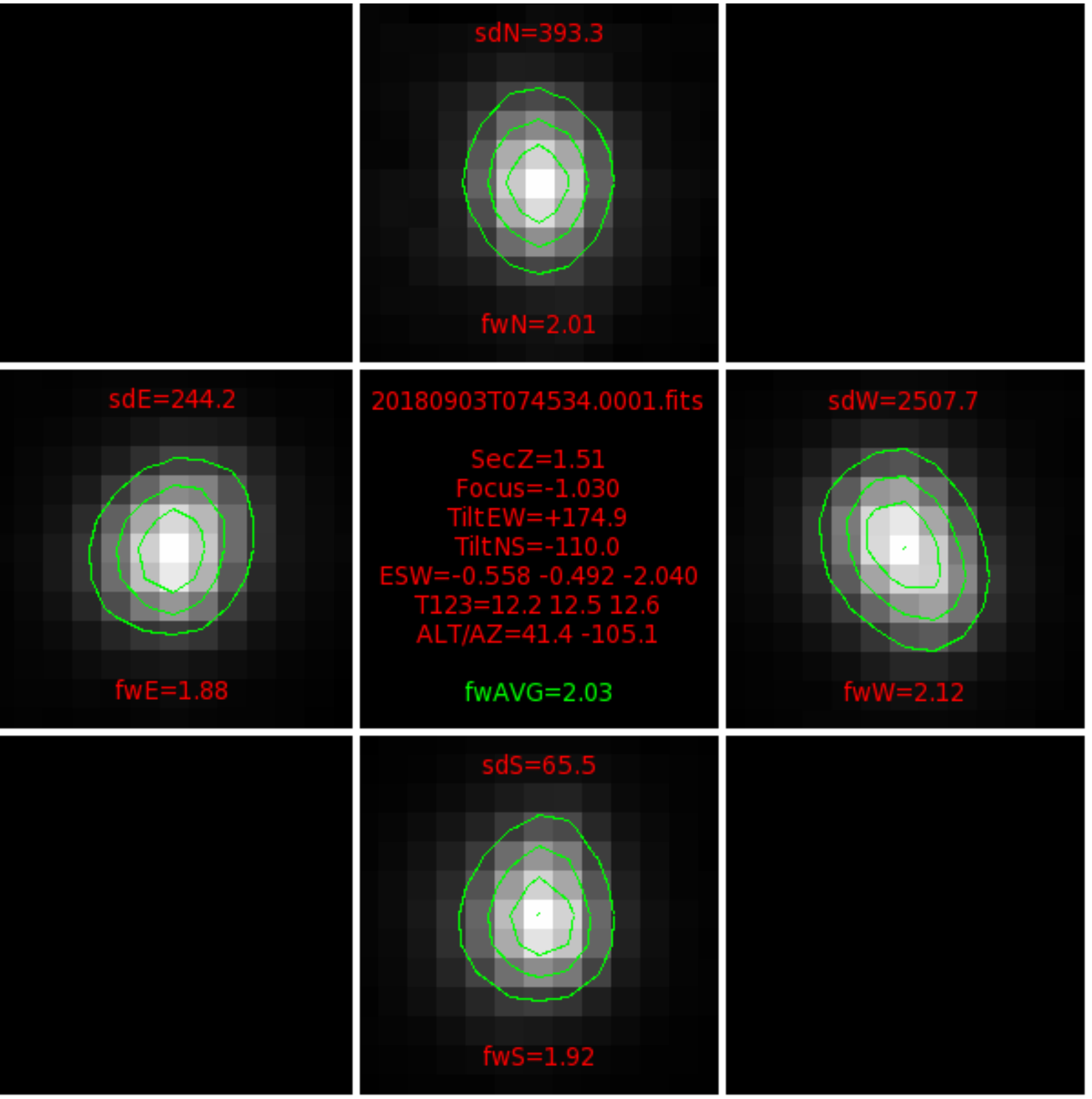
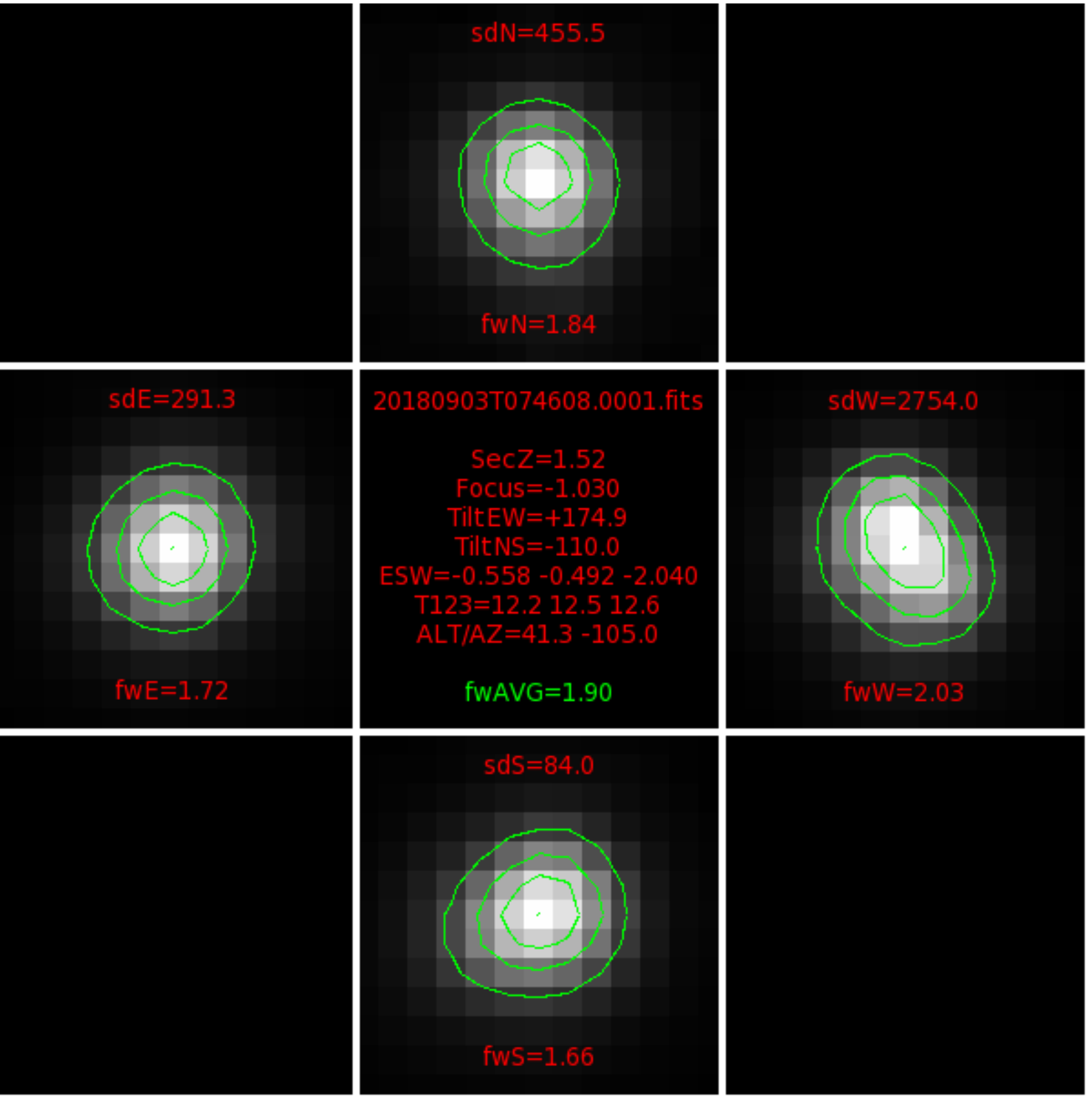

sdN=286.4
fwN=1.68
sdE=189.7
fwE=1.69
20180903T074329.0001.fits
SecZ=1.50
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.6
ALT/AZ=41.9 -105.5
fwAVG=1.78
sdW=1836.4
fwW=1.88
sdS=85.6
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=450.0
fwN=1.78
sdE=284.3
fwE=1.79
20180903T074402.0001.fits
SecZ=1.50
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.5
ALT/AZ=41.7 -105.4
fwAVG=1.90
sdW=2755.0
fwW=2.01
sdS=83.8
fwS=1.69
0 0 0 0 0 0 0 0 0


sdN=393.3
fwN=2.01
sdE=244.2
fwE=1.88
20180903T074534.0001.fits
SecZ=1.51
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.6
ALT/AZ=41.4 -105.1
fwAVG=2.03
sdW=2507.7
fwW=2.12
sdS=65.5
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=455.5
fwN=1.84
sdE=291.3
fwE=1.72
20180903T074608.0001.fits
SecZ=1.52
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.6
ALT/AZ=41.3 -105.0
fwAVG=1.90
sdW=2754.0
fwW=2.03
sdS=84.0
fwS=1.66
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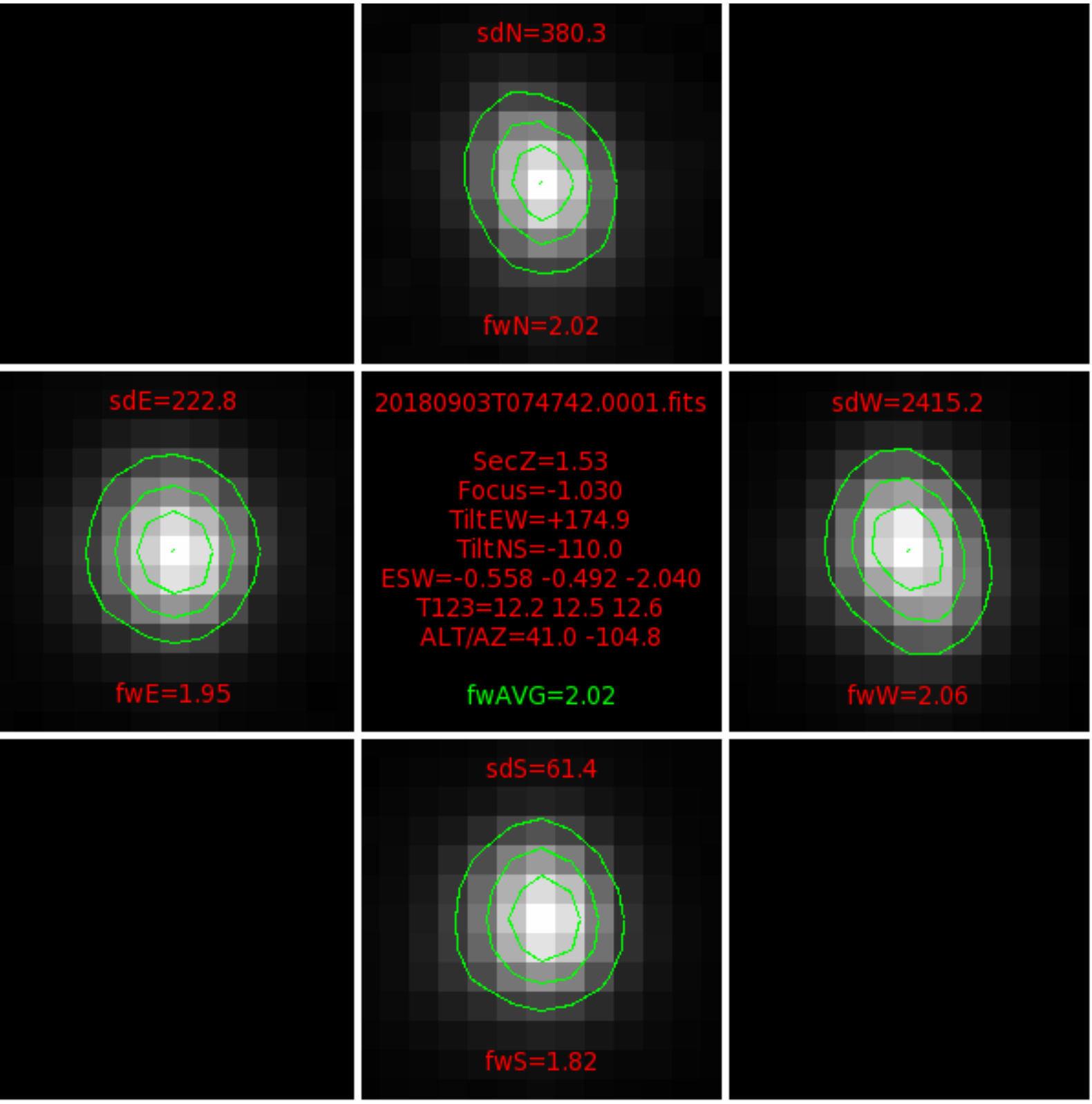
sdN=380.3
fwN=2.02
sdE=222.8
fwE=1.95
20180903T074742.0001.fits
SecZ=1.53
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.6
ALT/AZ=41.0 -104.8
fwAVG=2.02
sdW=2415.2
fwW=2.06
sdS=61.4
fwS=1.82
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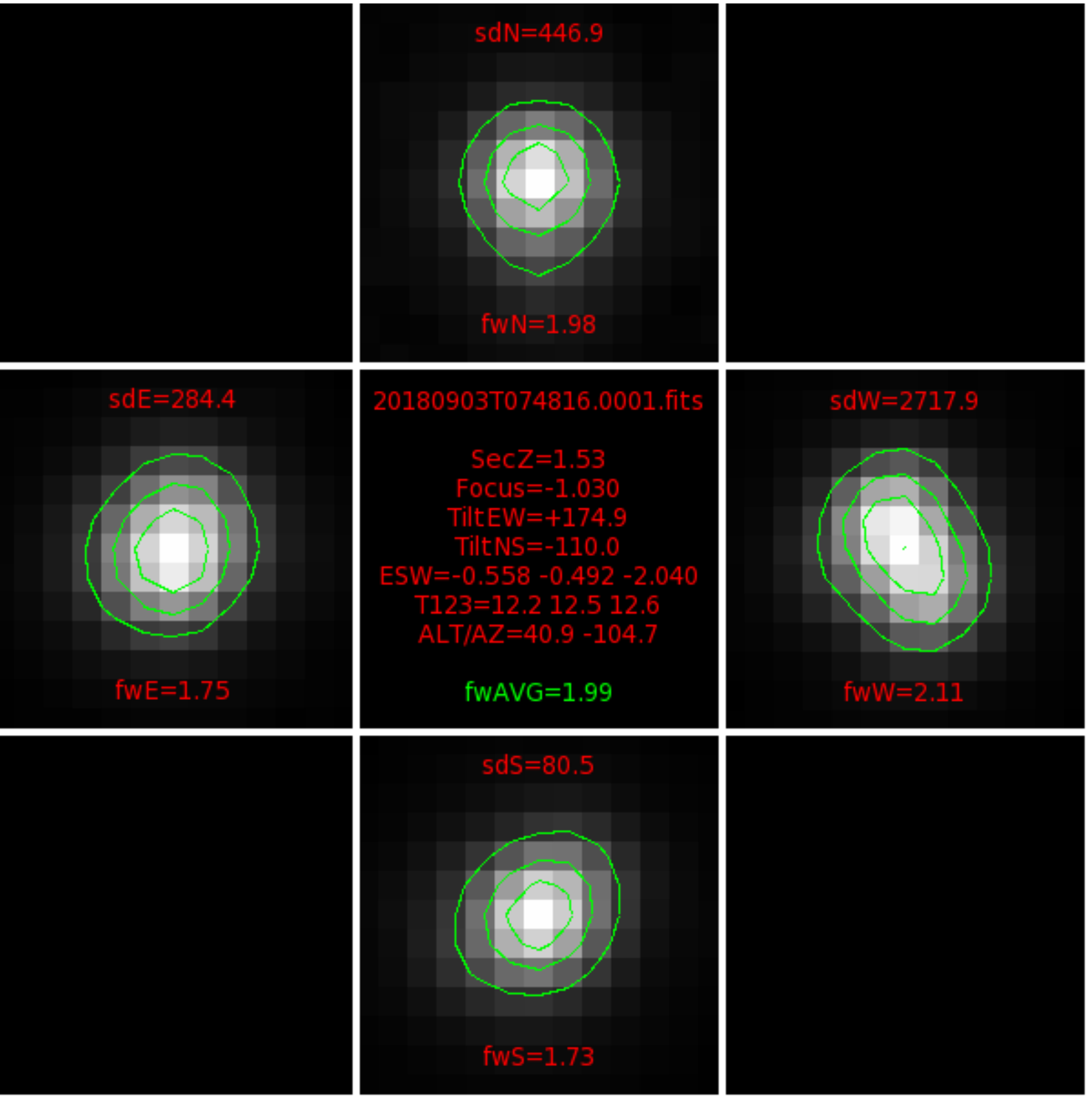
sdN=446.9
fwN=1.98
sdE=284.4
fwE=1.75
20180903T074816.0001.fits
SecZ=1.53
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.6
ALT/AZ=40.9 -104.7
fwAVG=1.99
sdW=2717.9
fwW=2.11
sdS=80.5
fwS=1.73
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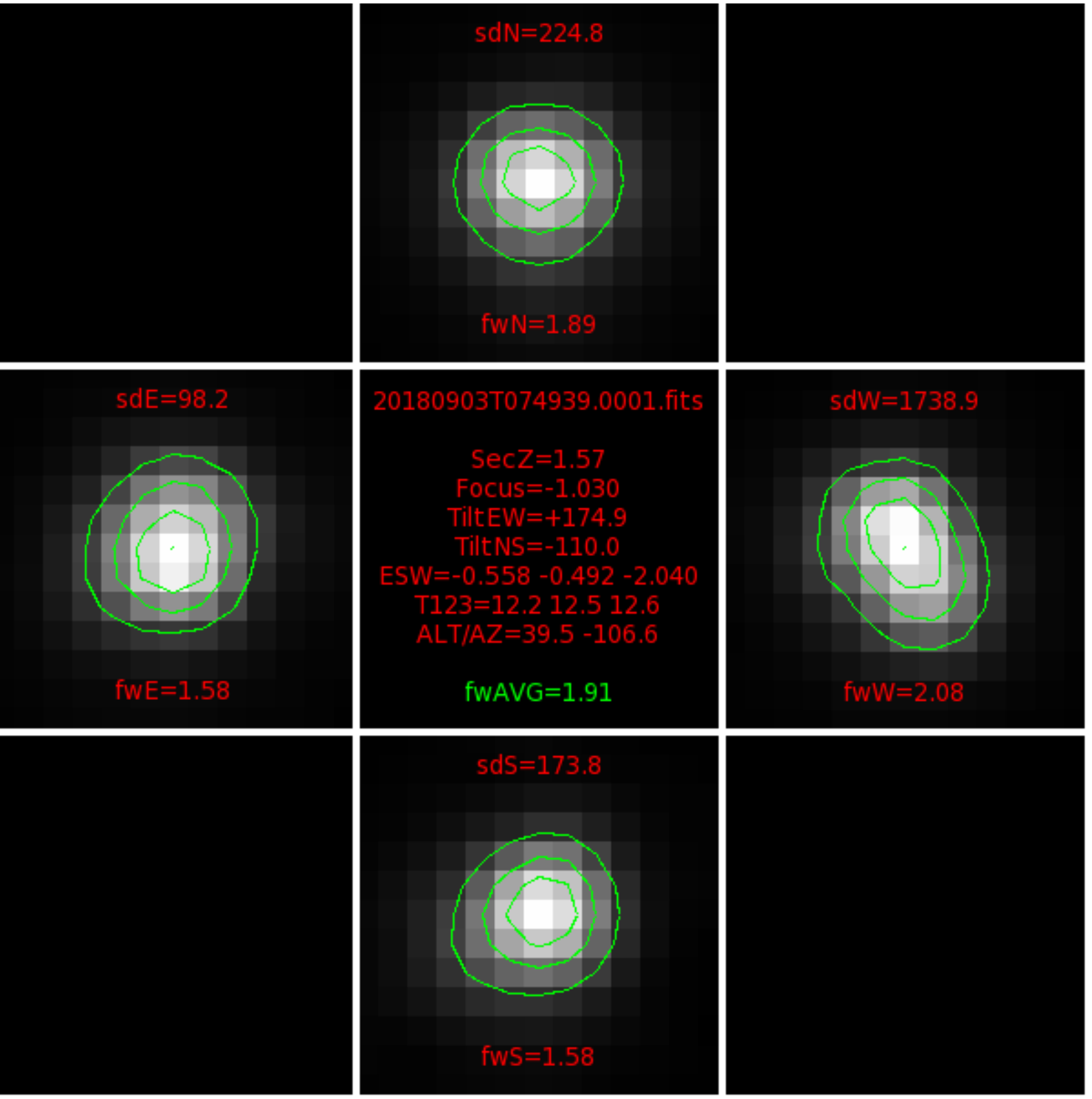
sdN=224.8
fwN=1.89
sdE=98.2
fwE=1.58
20180903T074939.0001.fits
SecZ=1.57
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.6
ALT/AZ=39.5 -106.6
fwAVG=1.91
sdW=1738.9
fwW=2.08
sdS=173.8
fwS=1.58
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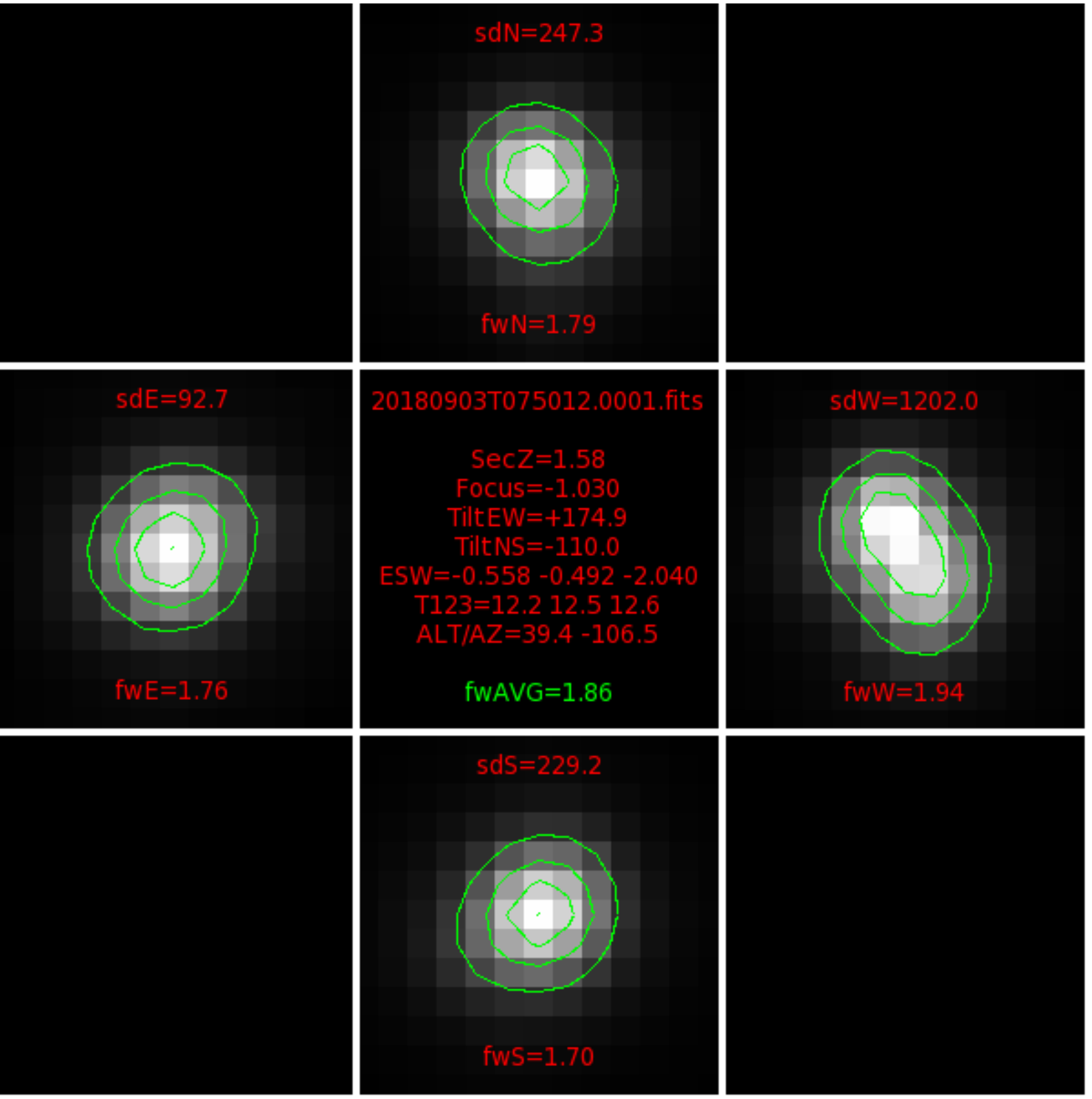
sdN=247.3
fwN=1.79
sdE=92.7
fwE=1.76
20180903T075012.0001.fits
SecZ=1.58
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.6
ALT/AZ=39.4 -106.5
fwAVG=1.86
sdW=1202.0
fwW=1.94
sdS=229.2
fwS=1.70
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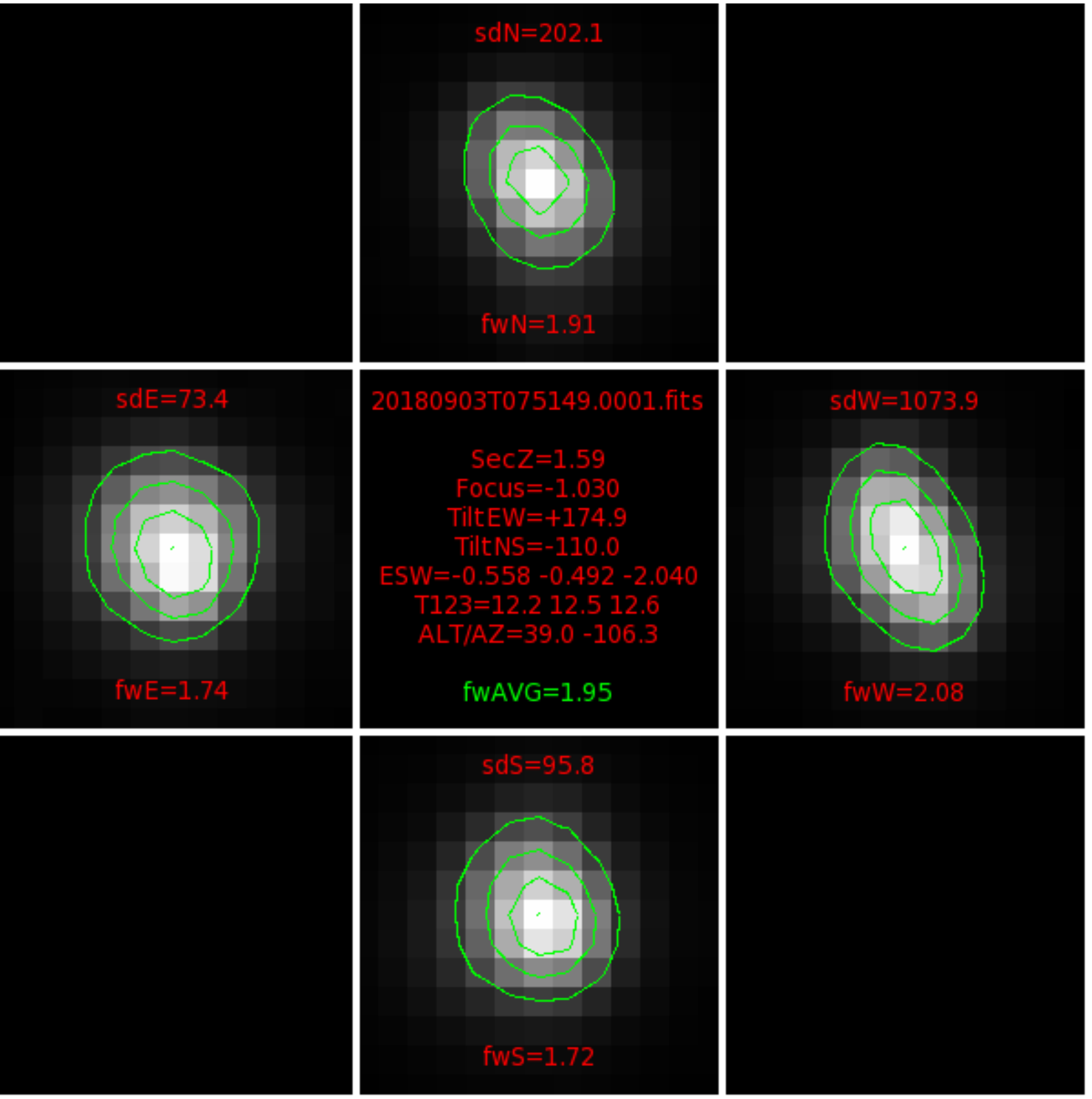
sdN=202.1
fwN=1.91
sdE=73.4
fwE=1.74
20180903T075149.0001.fits
SecZ=1.59
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.6
ALT/AZ=39.0 -106.3
fwAVG=1.95
sdW=1073.9
fwW=2.08
sdS=95.8
fwS=1.72
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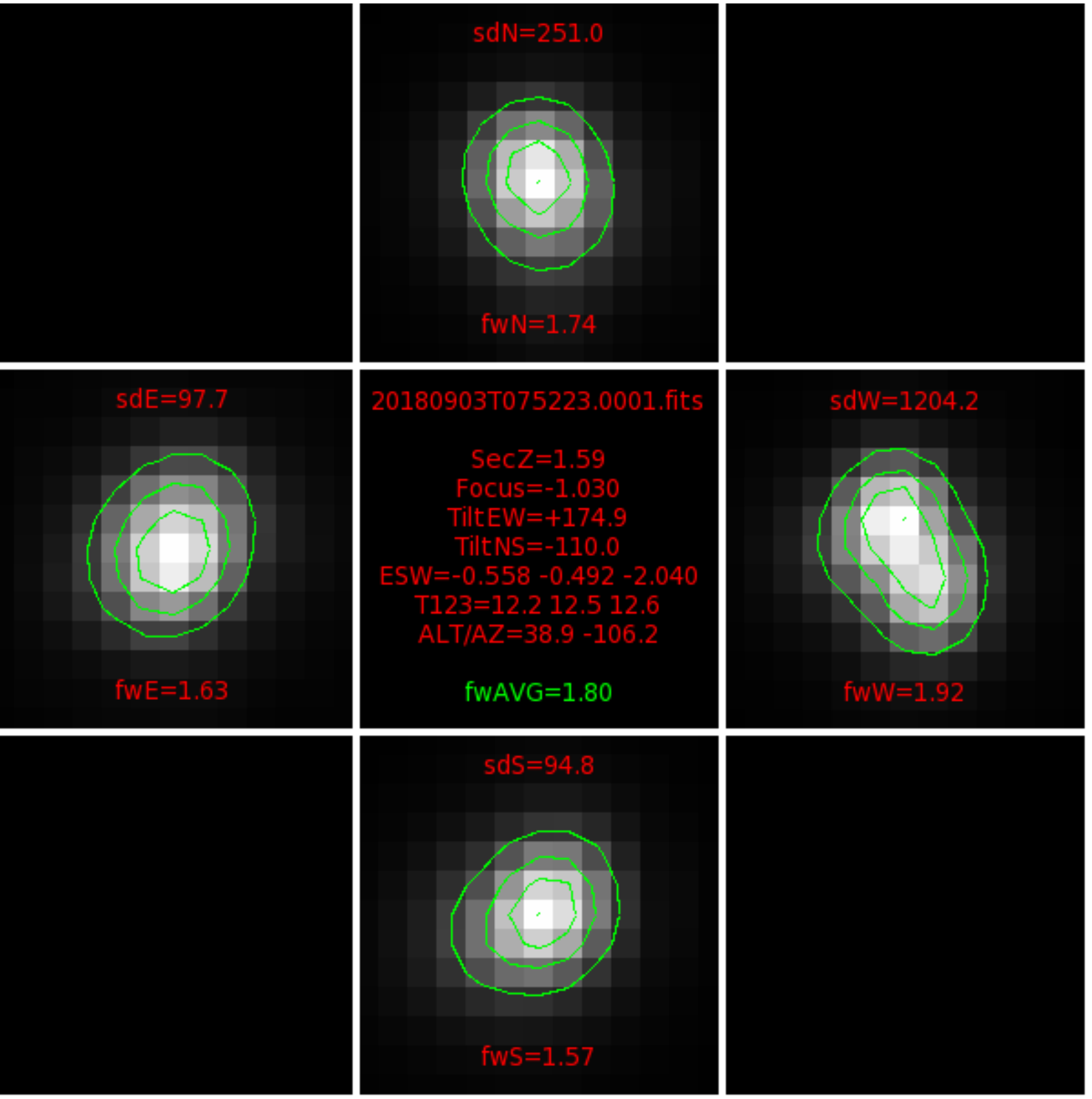
sdN=251.0
fwN=1.74
sdE=97.7
fwE=1.63
20180903T075223.0001.fits
SecZ=1.59
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.6
ALT/AZ=38.9 -106.2
fwAVG=1.80
sdW=1204.2
fwW=1.92
sdS=94.8
fwS=1.57
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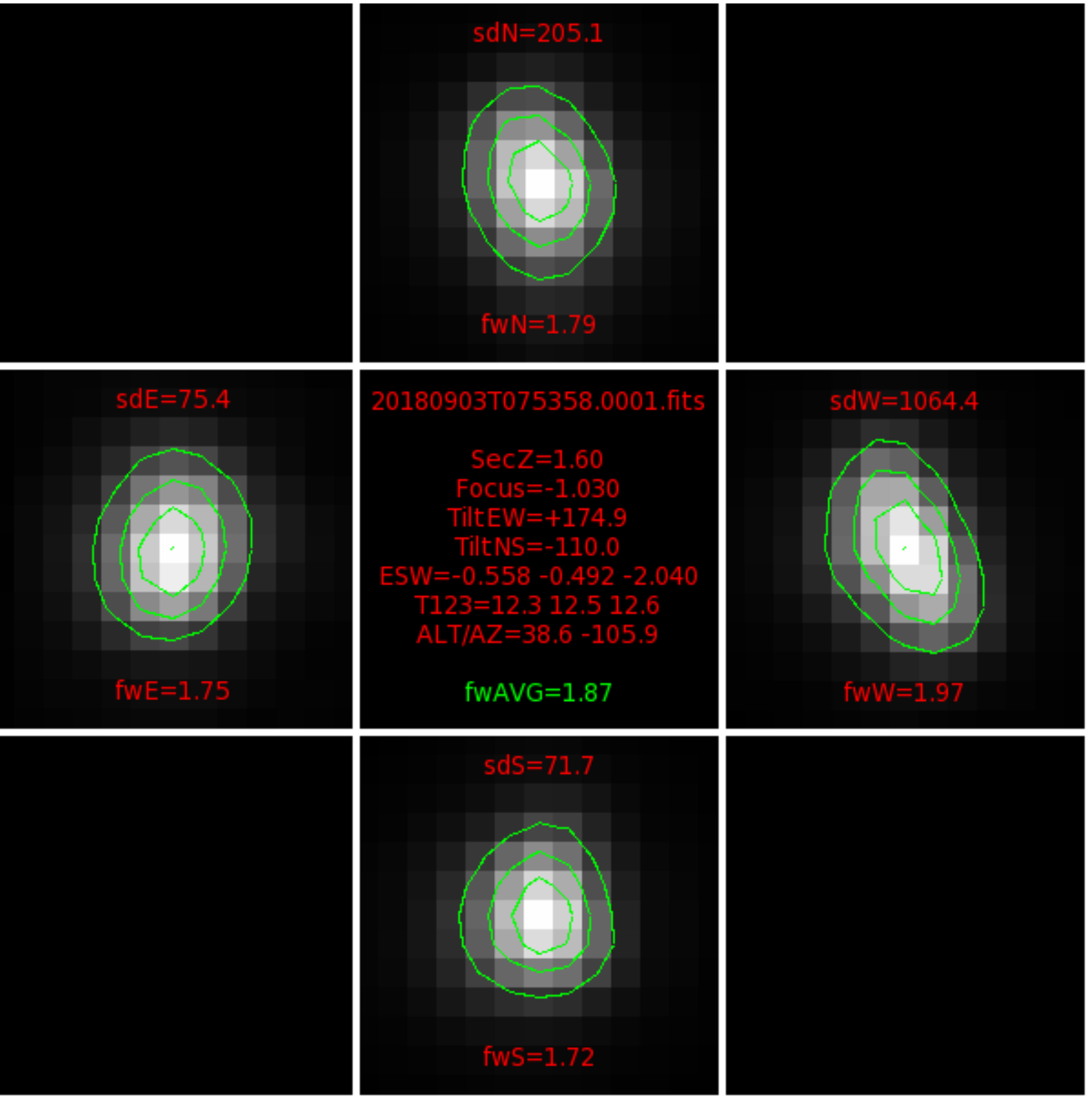
sdN=205.1
fwN=1.79
sdE=75.4
fwE=1.75
20180903T075358.0001.fits
SecZ=1.60
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.5 12.6
ALT/AZ=38.6 -105.9
fwAVG=1.87
sdW=1064.4
fwW=1.97
sdS=71.7
fwS=1.72
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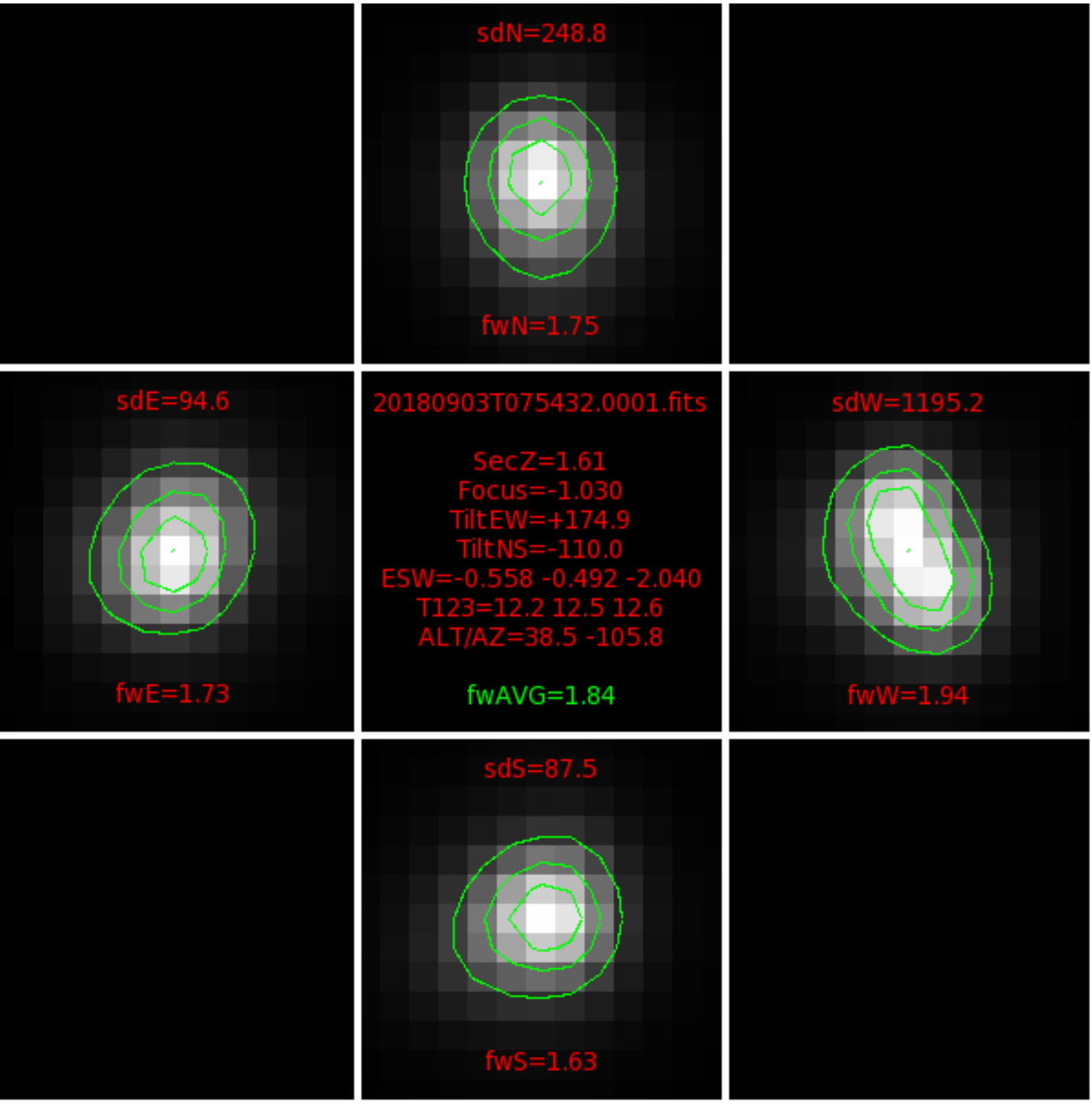
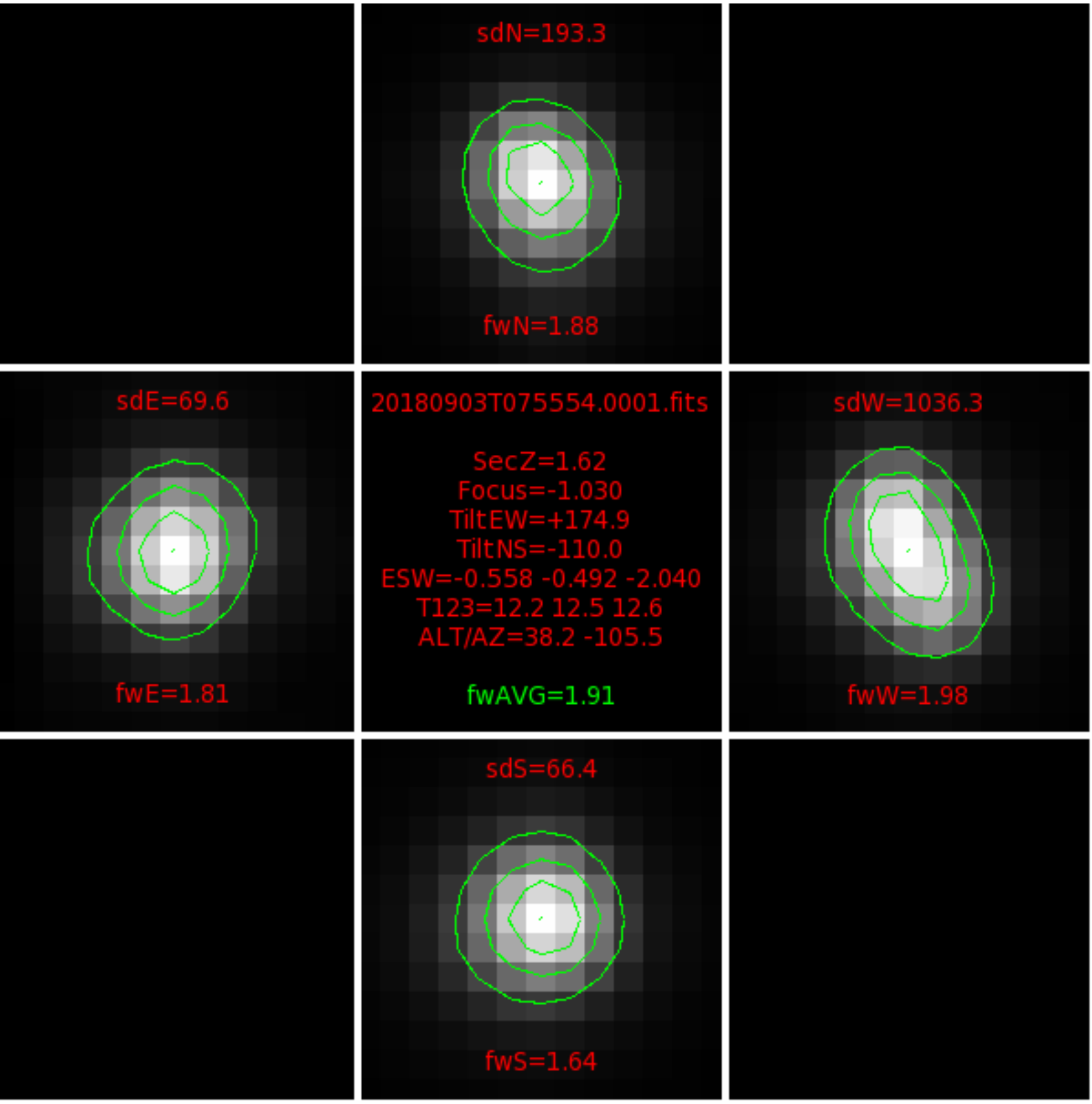
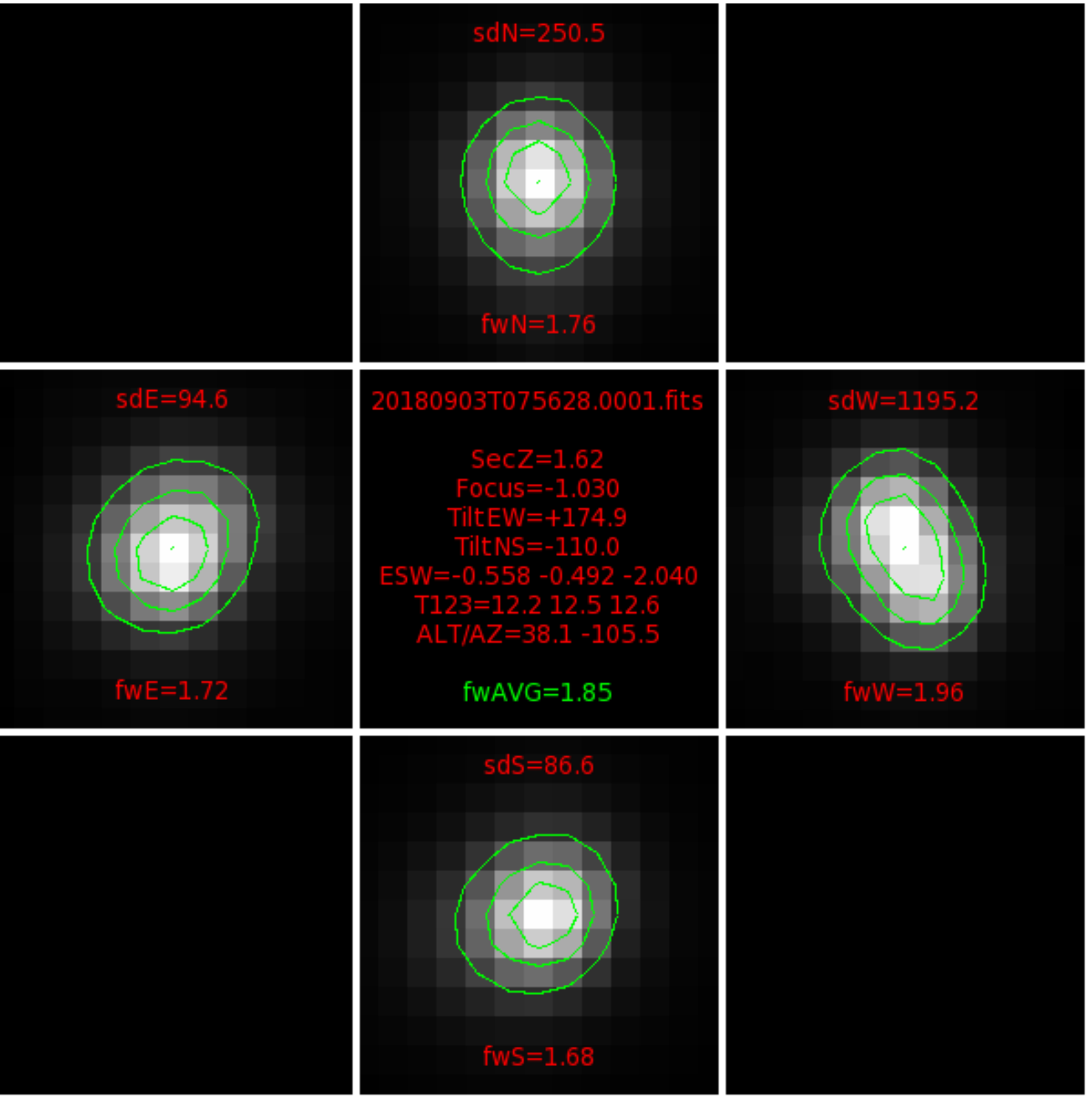

sdN=248.8
fwN=1.75
sdE=94.6
fwE=1.73
20180903T075432.0001.fits
SecZ=1.61
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.6
ALT/AZ=38.5 -105.8
fwAVG=1.84
sdW=1195.2
fwW=1.94
sdS=87.5
fwS=1.63
0 0 0 0 0 0 0 0 0


sdN=193.3
fwN=1.88
sdE=69.6
fwE=1.81
20180903T075554.0001.fits
SecZ=1.62
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.6
ALT/AZ=38.2 -105.5
fwAVG=1.91
sdW=1036.3
fwW=1.98
sdS=66.4
fwS=1.64
0 0 0 0 0 0 0 0 0


sdN=250.5
fwN=1.76
sdE=94.6
fwE=1.72
20180903T075628.0001.fits
SecZ=1.62
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.6
ALT/AZ=38.1 -105.5
fwAVG=1.85
sdW=1195.2
fwW=1.96
sdS=86.6
fwS=1.68
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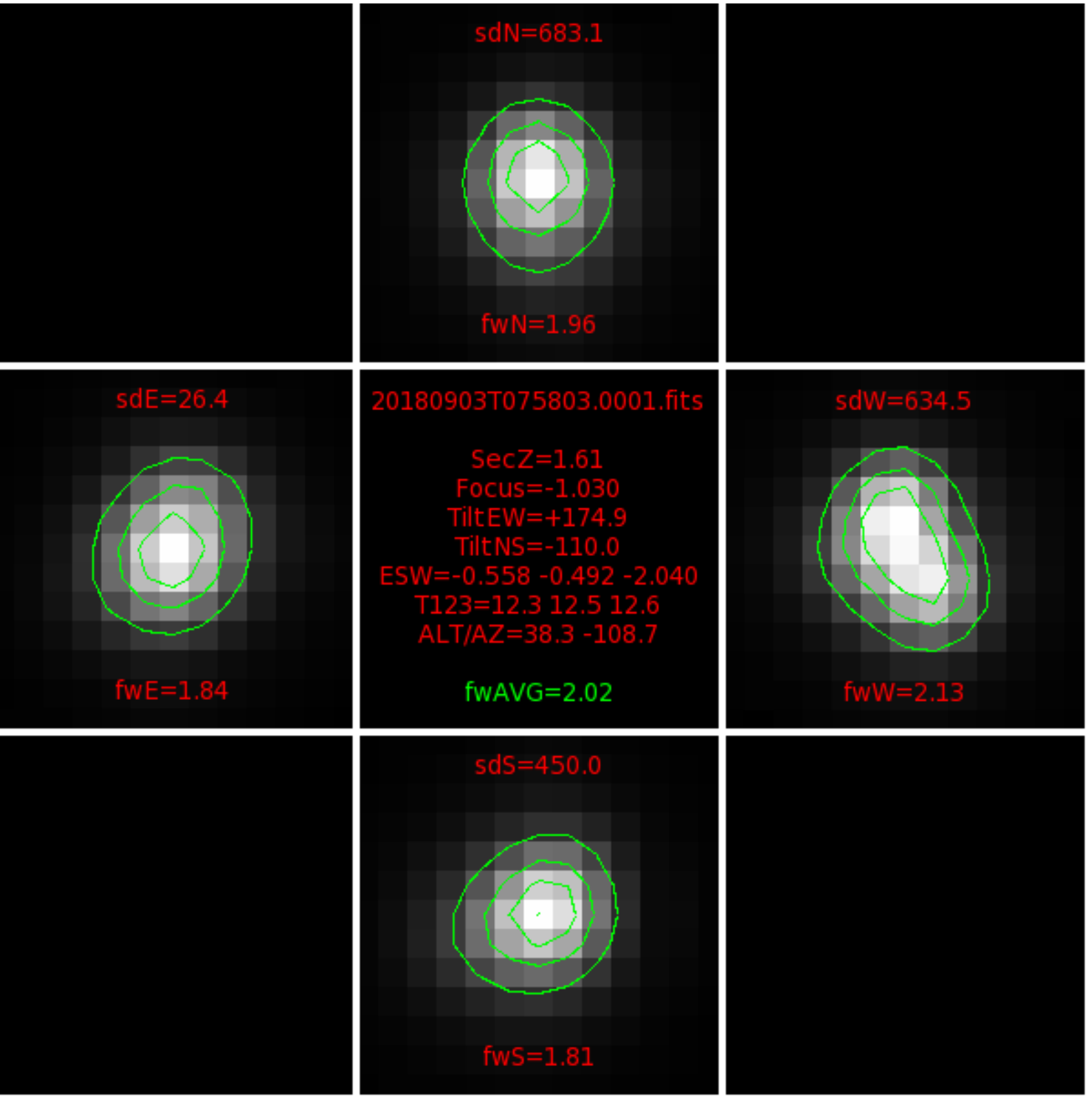
sdN=683.1
fwN=1.96
sdE=26.4
fwE=1.84
20180903T075803.0001.fits
SecZ=1.61
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.5 12.6
ALT/AZ=38.3 -108.7
fwAVG=2.02
sdW=634.5
fwW=2.13
sdS=450.0
fwS=1.81
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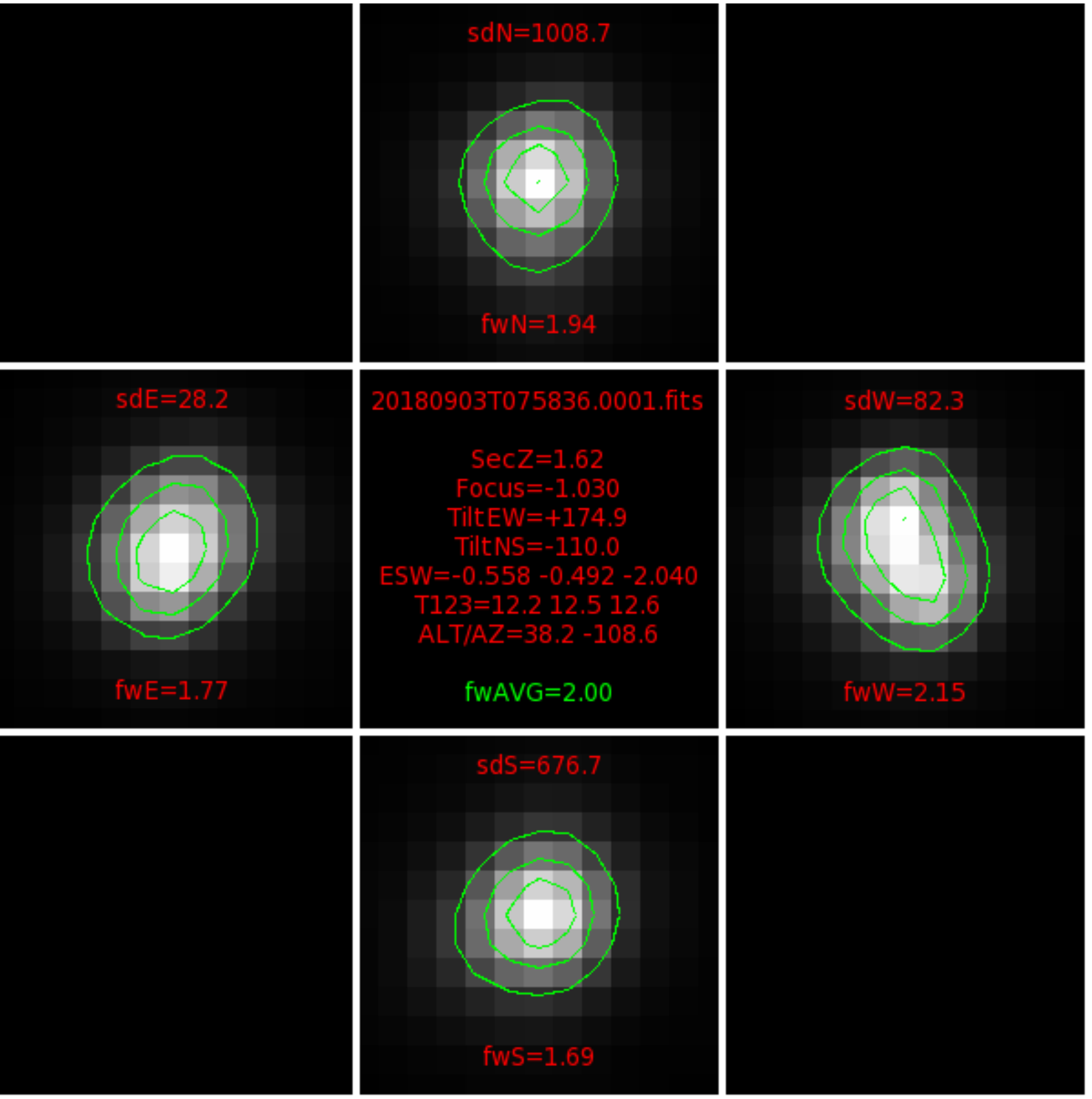
sdN=1008.7
fwN=1.94
sdE=28.2
fwE=1.77
20180903T075836.0001.fits
SecZ=1.62
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.5 12.6
ALT/AZ=38.2 -108.6
fwAVG=2.00
sdW=82.3
fwW=2.15
sdS=676.7
fwS=1.69
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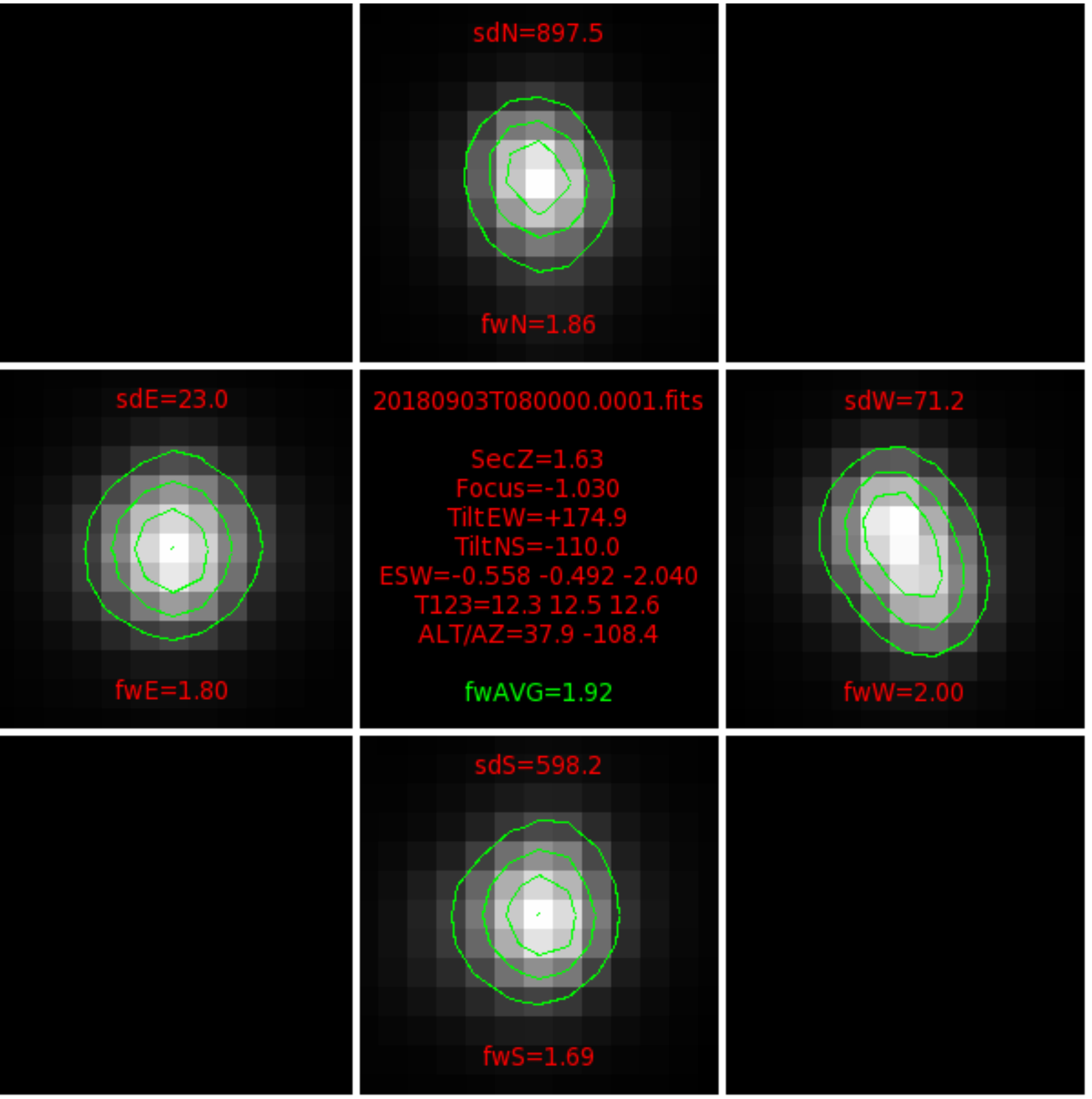
sdN=897.5
fwN=1.86
sdE=23.0
fwE=1.80
20180903T080000.0001.fits
SecZ=1.63
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.5 12.6
ALT/AZ=37.9 -108.4
fwAVG=1.92
sdW=71.2
fwW=2.00
sdS=598.2
fwS=1.69
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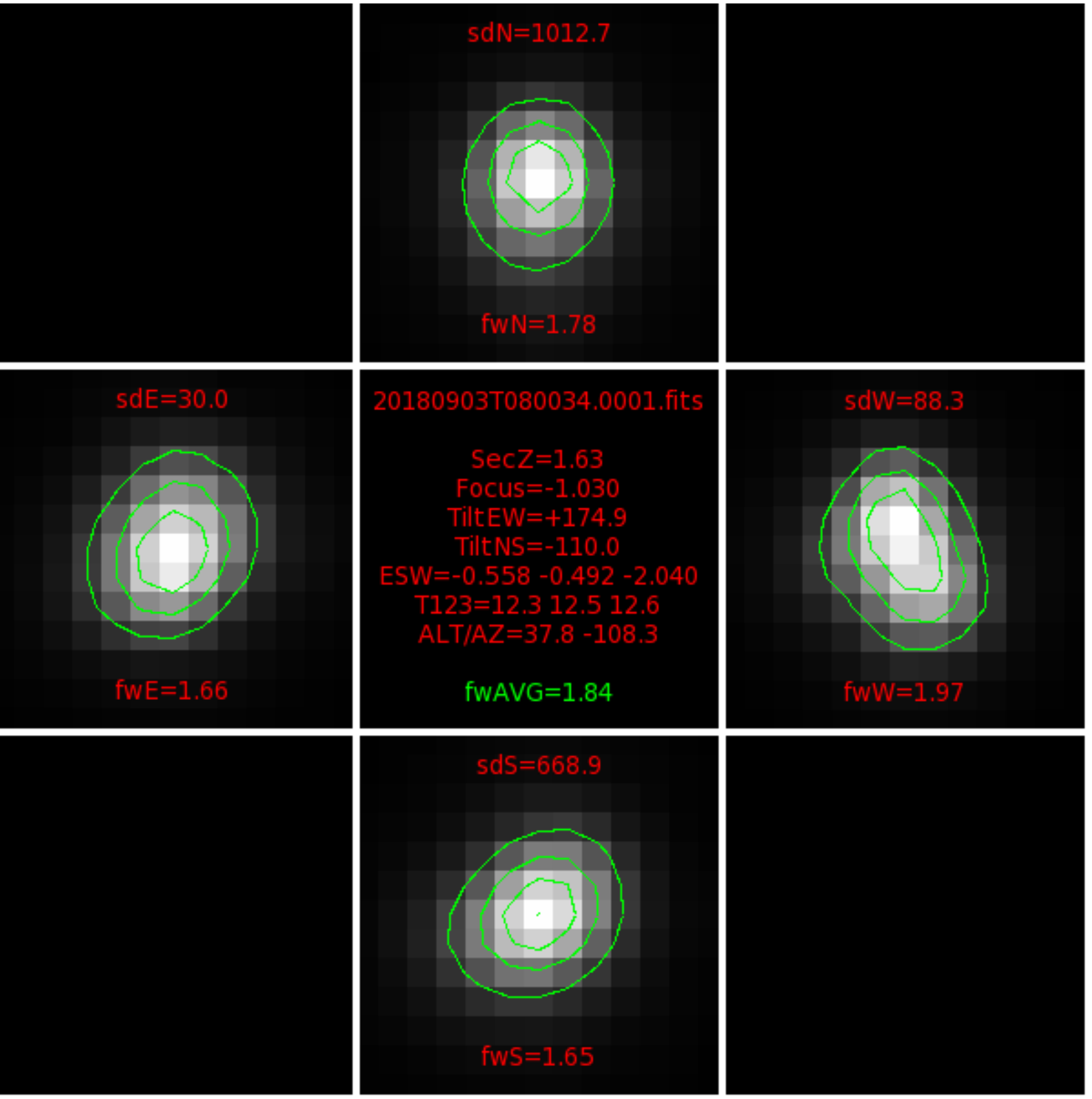
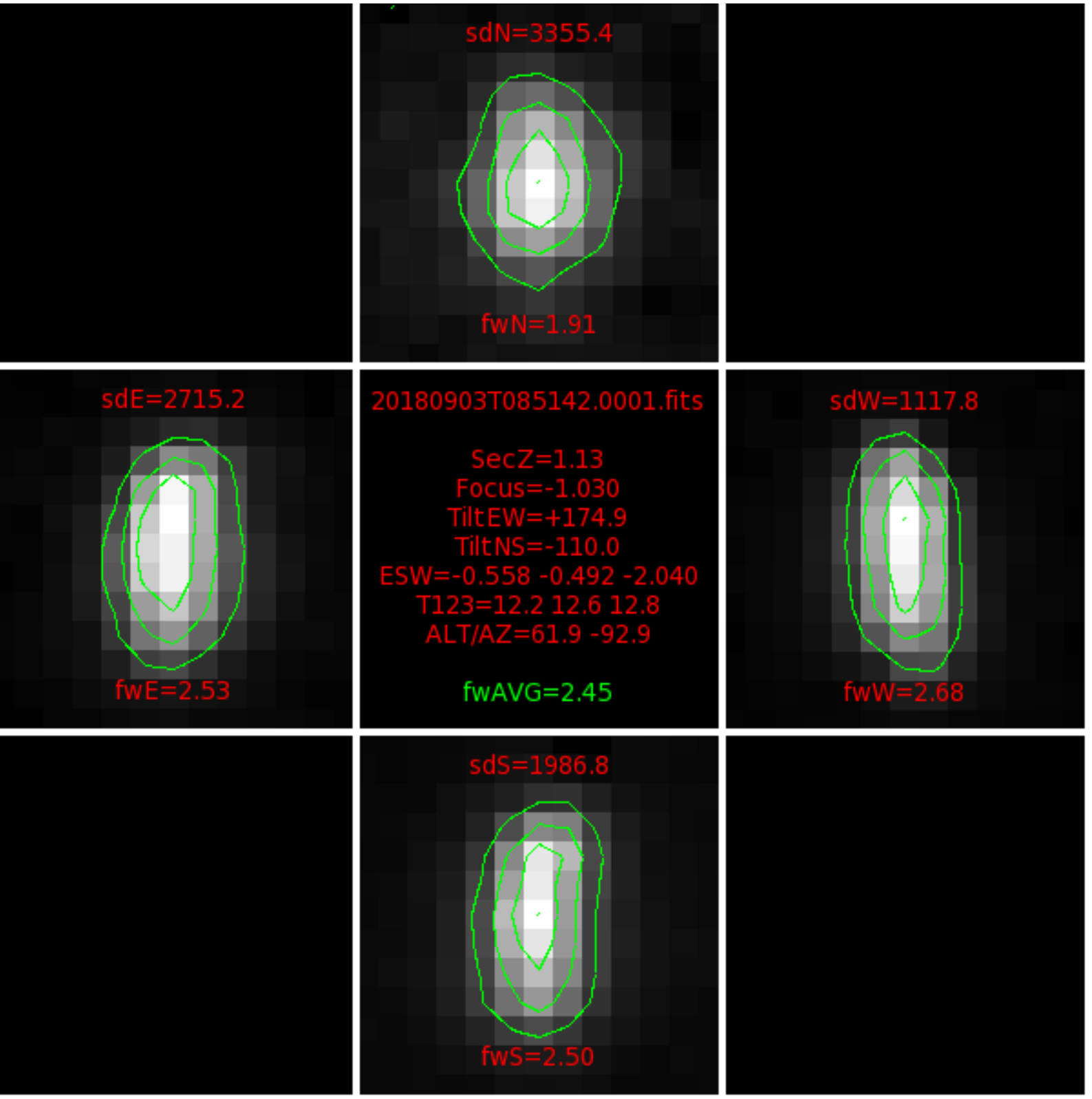

sdN=1012.7
fwN=1.78
sdE=30.0
fwE=1.66
20180903T080034.0001.fits
SecZ=1.63
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.5 12.6
ALT/AZ=37.8 -108.3
fwAVG=1.84
sdW=88.3
fwW=1.97
sdS=668.9
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=3355.4
fwN=1.91
sdE=2715.2
fwE=2.53
20180903T085142.0001.fits
SecZ=1.13
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.6 12.8
ALT/AZ=61.9 -92.9
fwAVG=2.45
sdW=1117.8
fwW=2.68
sdS=1986.8
fwS=2.50
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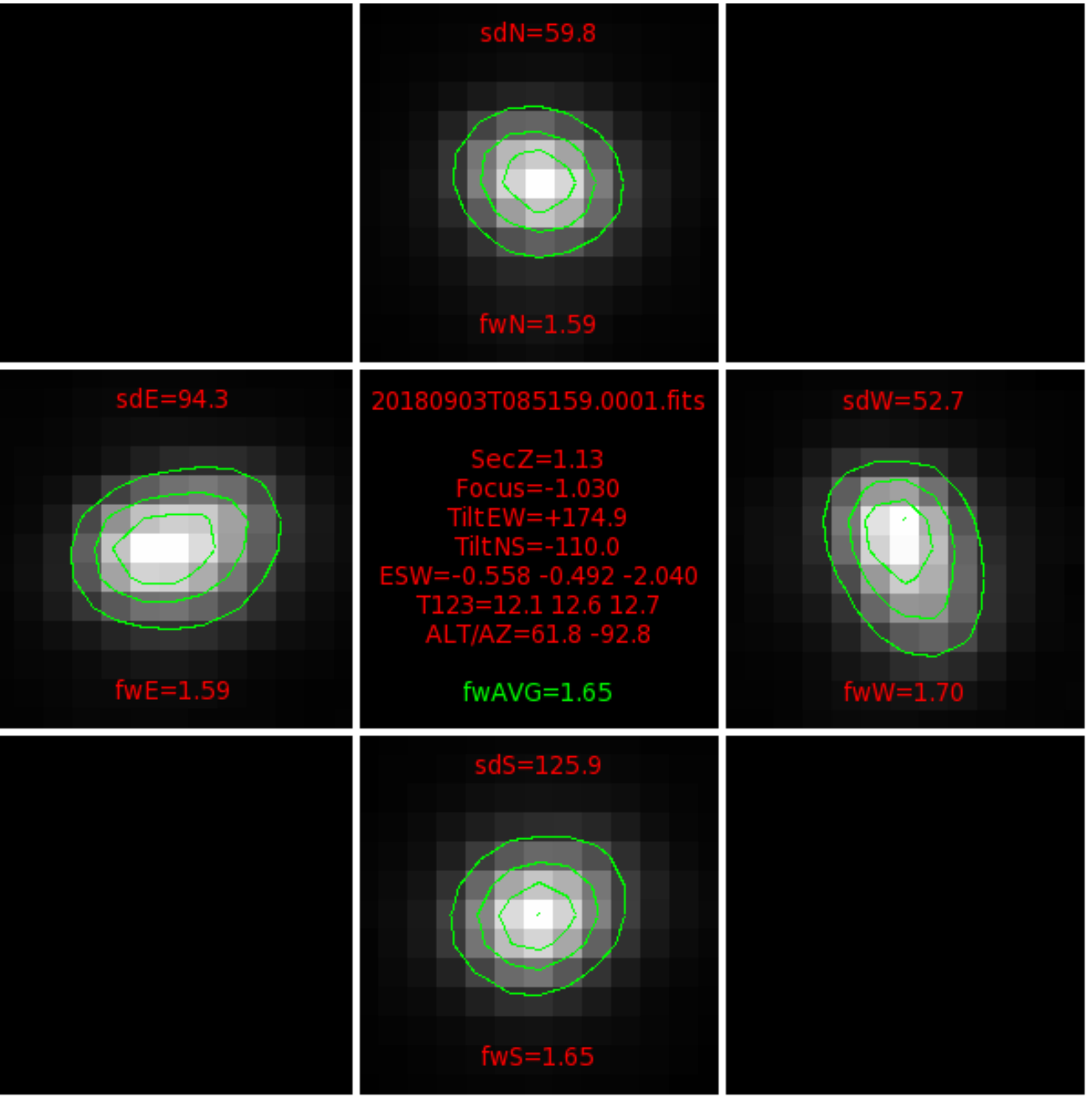
sdN=59.8
fwN=1.59
sdE=94.3
fwE=1.59
20180903T085159.0001.fits
SecZ=1.13
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.1 12.6 12.7
ALT/AZ=61.8 -92.8
fwAVG=1.65
sdW=52.7
fwW=1.70
sdS=125.9
fwS=1.65
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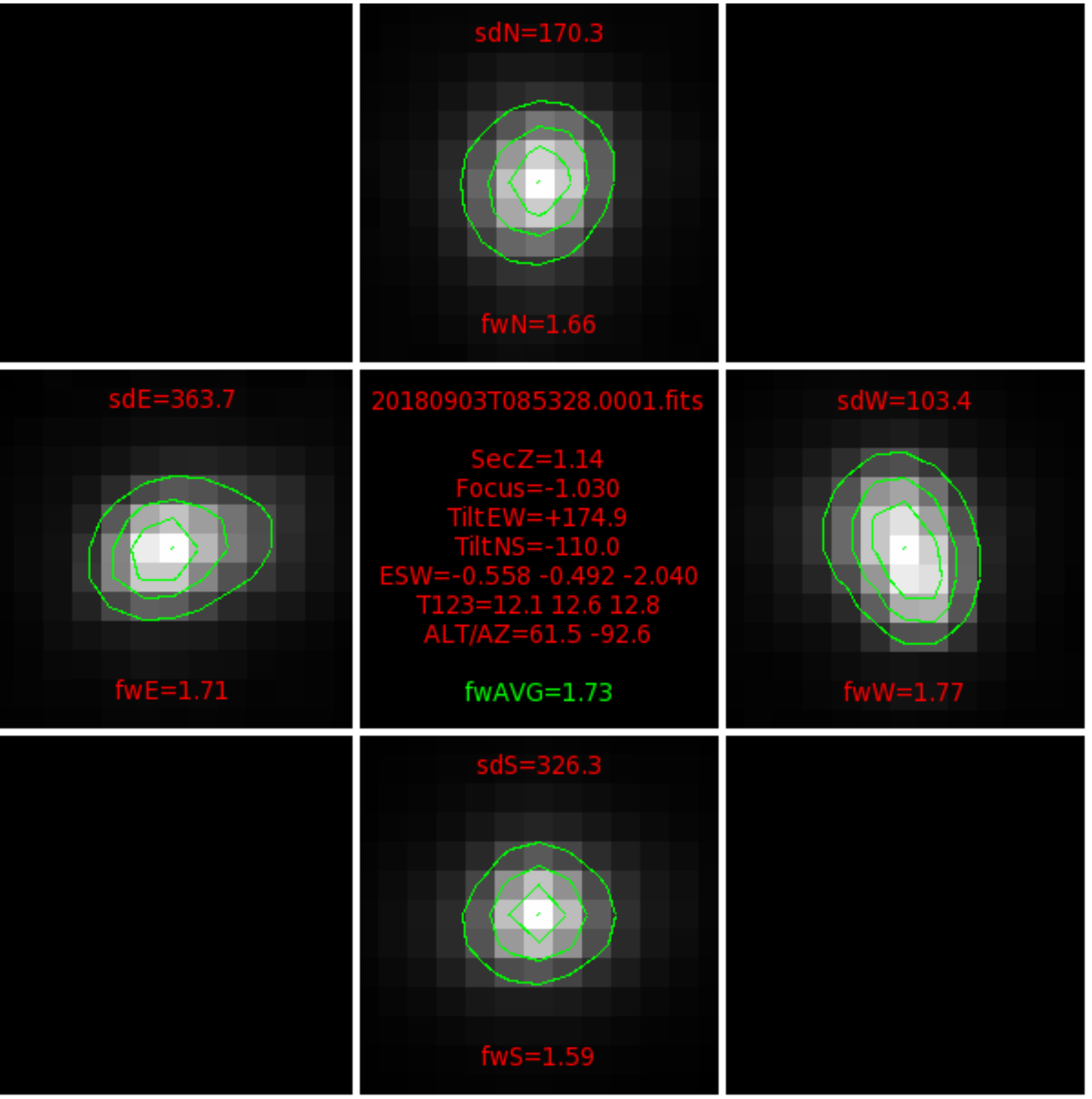
sdN=170.3
fwN=1.66
sdE=363.7
fwE=1.71
20180903T085328.0001.fits
SecZ=1.14
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.1 12.6 12.8
ALT/AZ=61.5 -92.6
fwAVG=1.73
sdW=103.4
fwW=1.77
sdS=326.3
fwS=1.59
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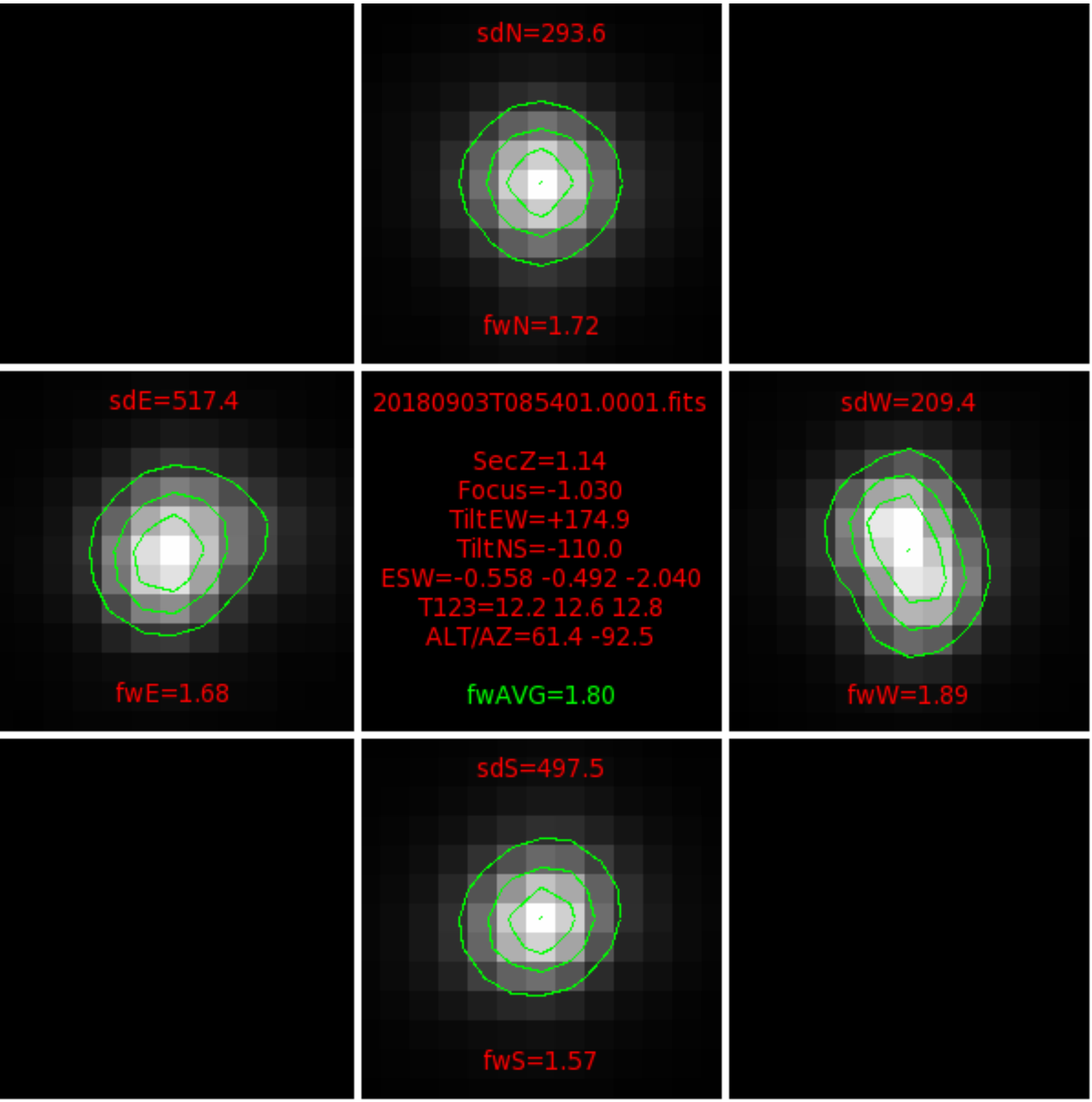
sdN=293.6
fwN=1.72
sdE=517.4
fwE=1.68
20180903T085401.0001.fits
SecZ=1.14
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.6 12.8
ALT/AZ=61.4 -92.5
fwAVG=1.80
sdW=209.4
fwW=1.89
sdS=497.5
fwS=1.57
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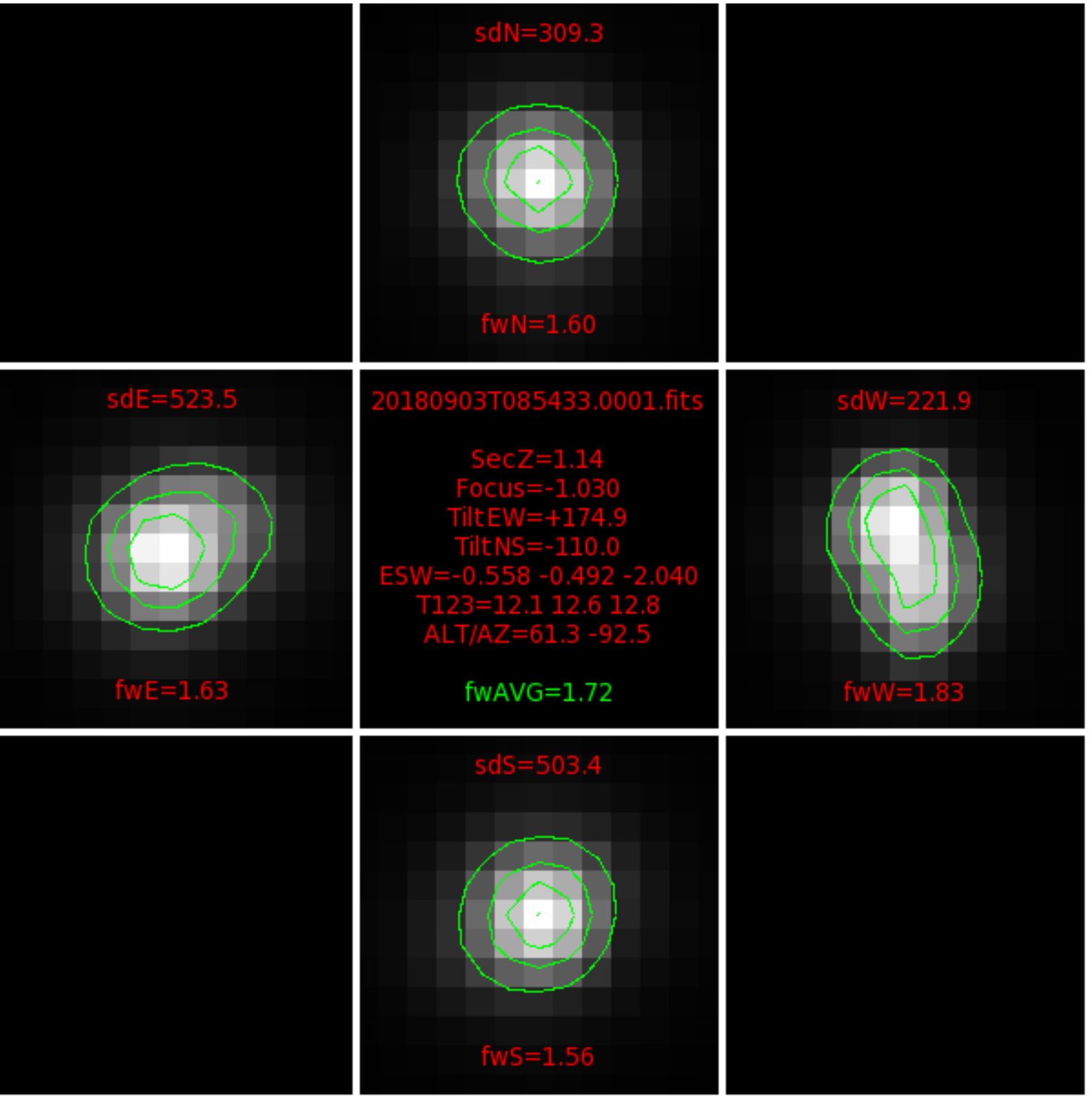
sdN=309.3
fwN=1.60
sdE=523.5
fwE=1.63
20180903T085433.0001.fits
SecZ=1.14
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.1 12.6 12.8
ALT/AZ=61.3 -92.5
fwAVG=1.72
sdW=221.9
fwW=1.83
sdS=503.4
fwS=1.56
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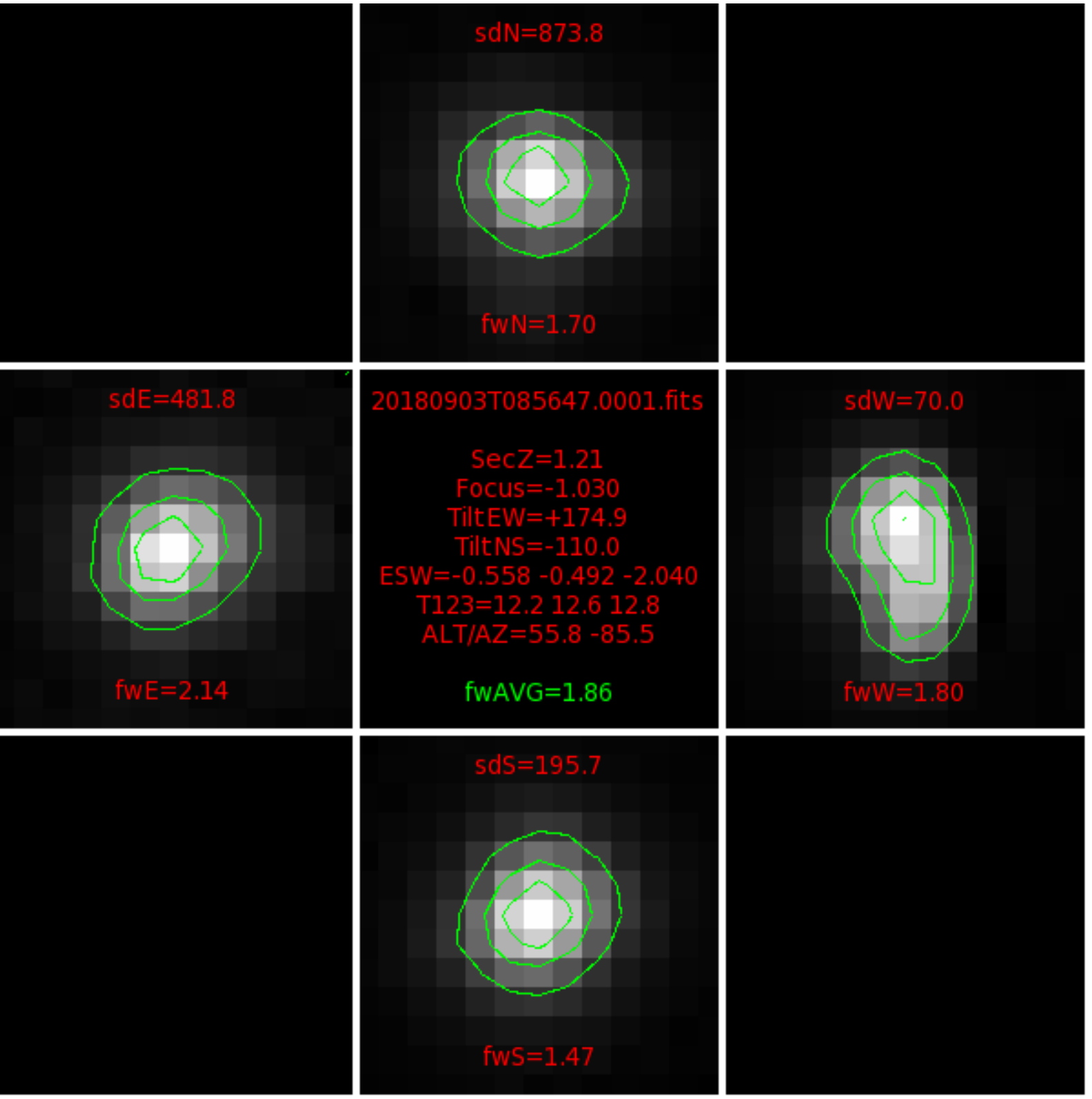
sdN=873.8
fwN=1.70
sdE=481.8
fwE=2.14
20180903T085647.0001.fits
SecZ=1.21
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.2 12.6 12.8
ALT/AZ=55.8 -85.5
fwAVG=1.86
sdW=70.0
fwW=1.80
sdS=195.7
fwS=1.47
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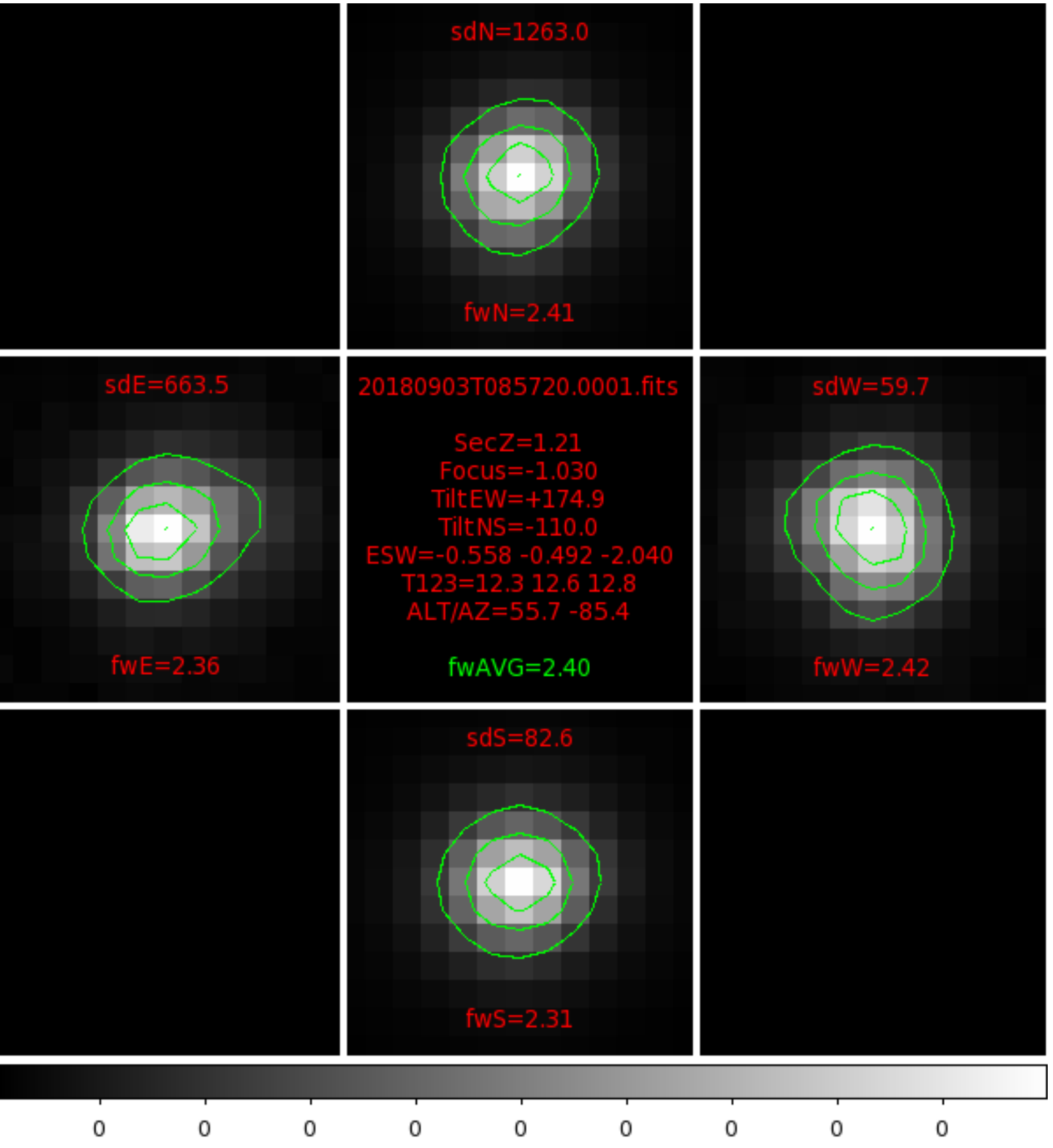
sdN=1263.0
fwN=2.41
sdE=663.5
fwE=2.36
20180903T085720.0001.fits
SecZ=1.21
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.6 12.8
ALT/AZ=55.7 -85.4
fwAVG=2.40
sdW=59.7
fwW=2.42
sdS=82.6
fwS=2.31
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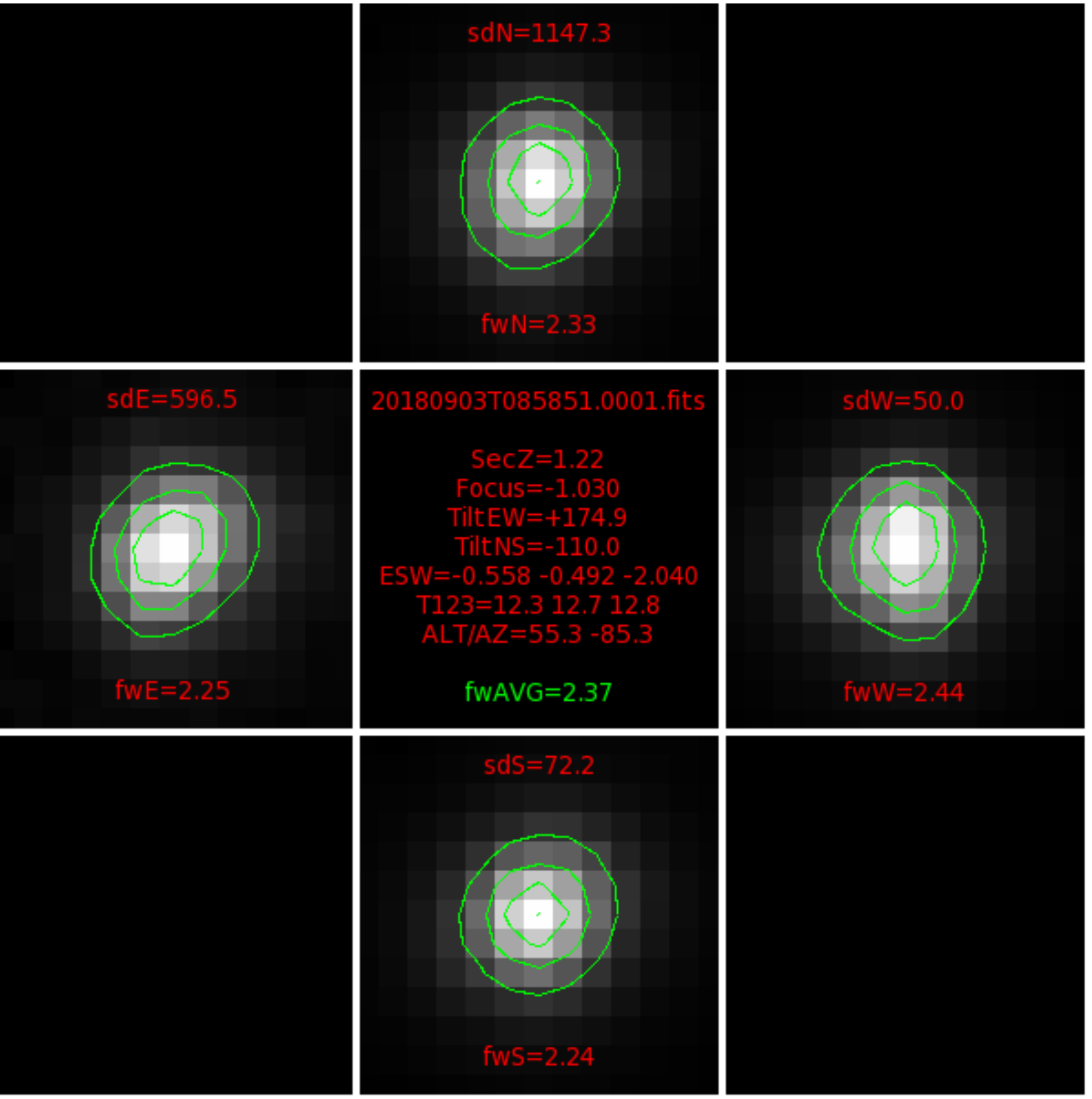
sdN=1147.3
fwN=2.33
sdE=596.5
fwE=2.25
20180903T085851.0001.fits
SecZ=1.22
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.7 12.8
ALT/AZ=55.3 -85.3
fwAVG=2.37
sdW=50.0
fwW=2.44
sdS=72.2
fwS=2.24
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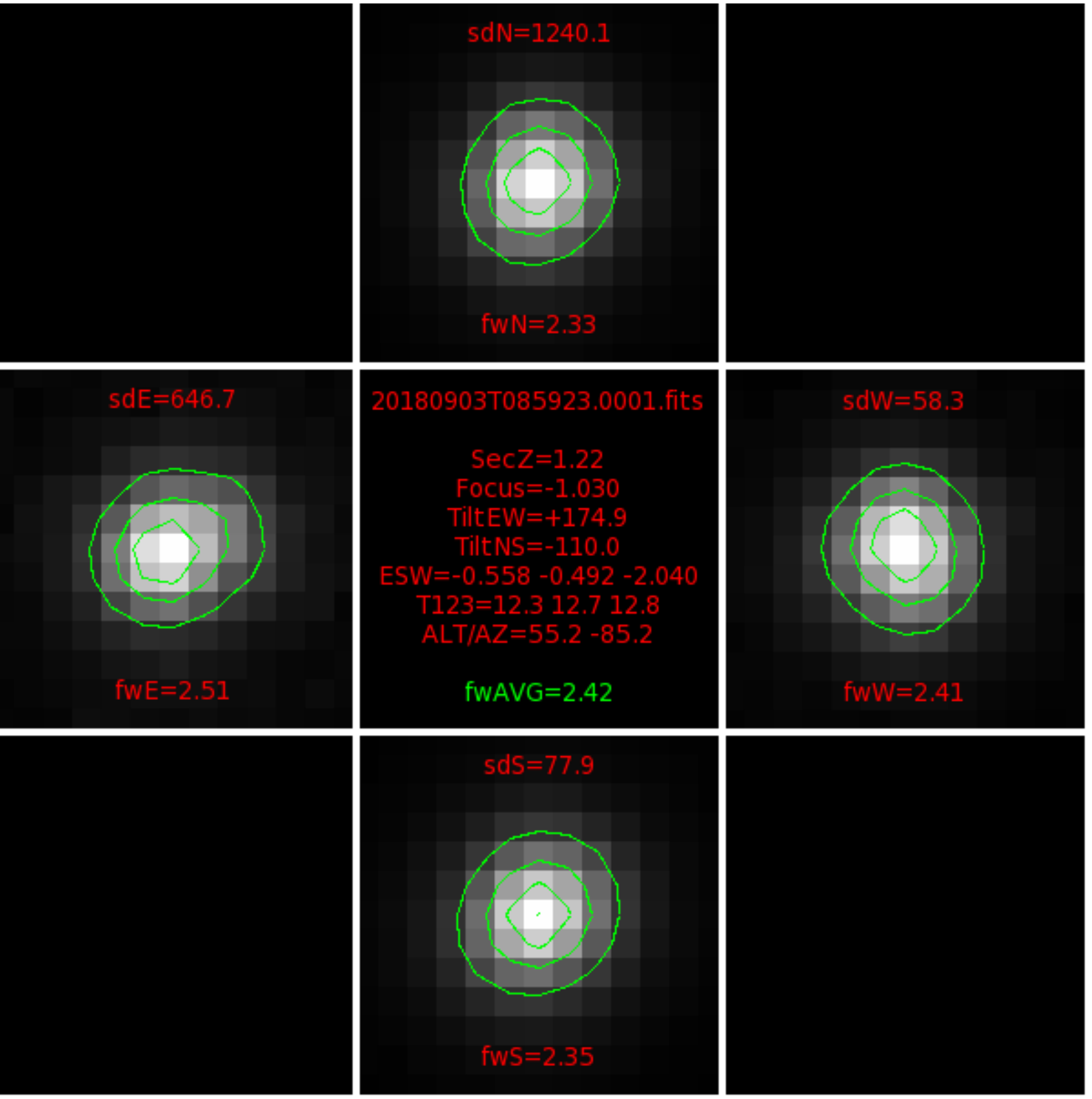
sdN=1240.1
fwN=2.33
sdE=646.7
fwE=2.51
20180903T085923.0001.fits
SecZ=1.22
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.3 12.7 12.8
ALT/AZ=55.2 -85.2
fwAVG=2.42
sdW=58.3
fwW=2.41
sdS=77.9
fwS=2.35
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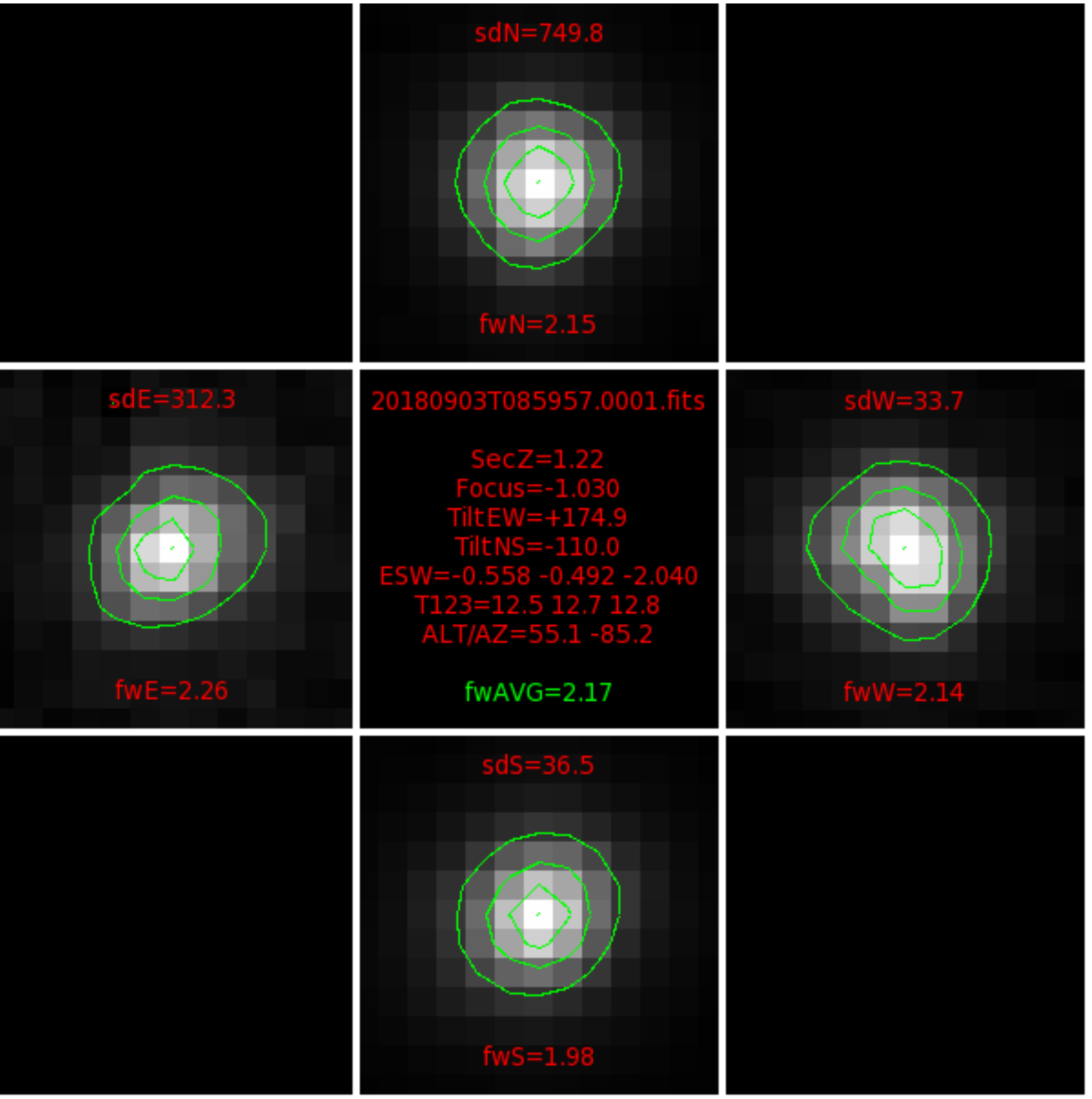
sdN=749.8
fwN=2.15
sdE=312.3
fwE=2.26
20180903T085957.0001.fits
SecZ=1.22
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.5 12.7 12.8
ALT/AZ=55.1 -85.2
fwAVG=2.17
sdW=33.7
fwW=2.14
sdS=36.5
fwS=1.98
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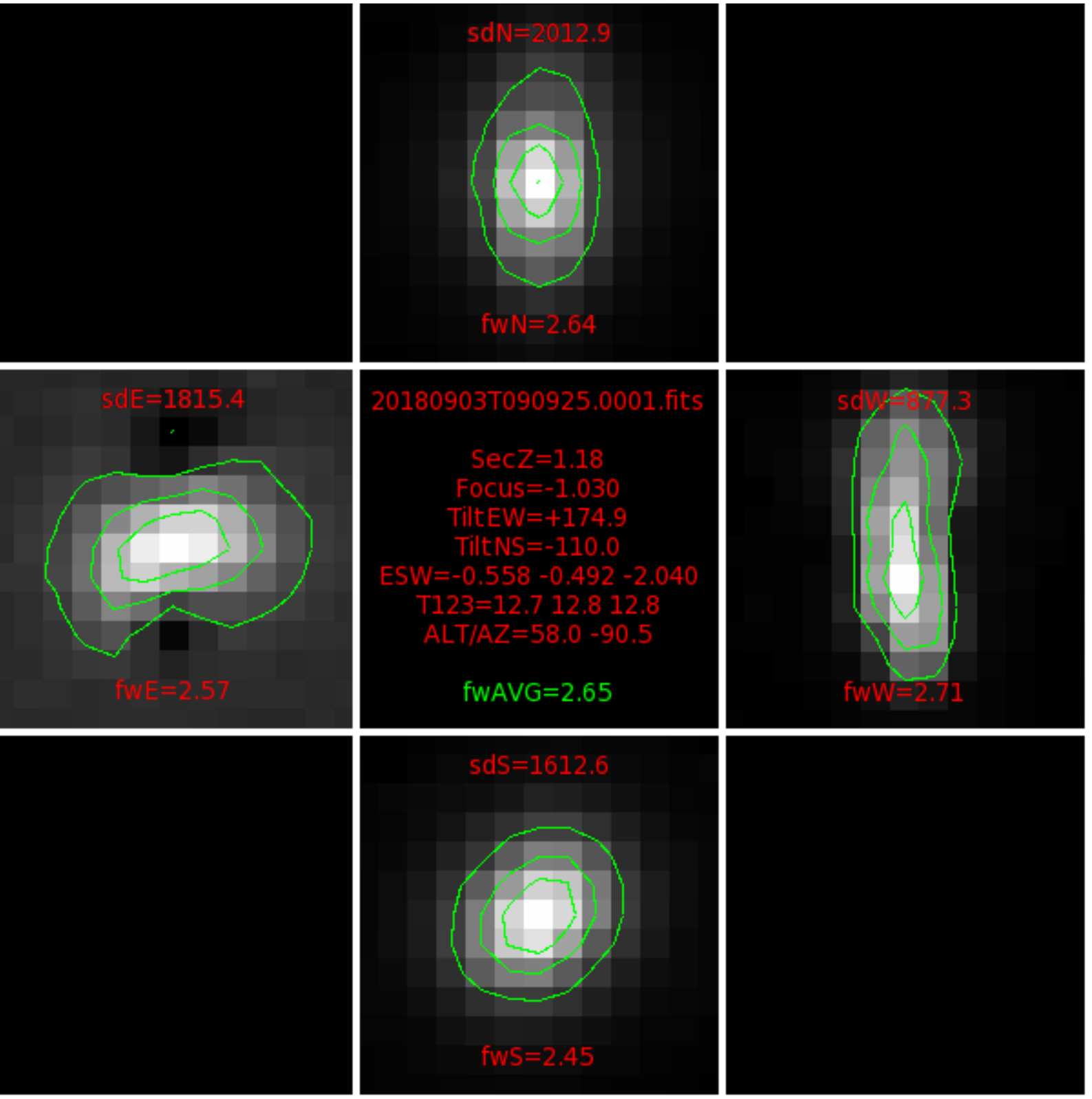
sdN=2012.9
fwN=2.64
sdE=1815.4
fwE=2.57
20180903T090925.0001.fits
SecZ=1.18
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.7 12.8 12.8
ALT/AZ=58.0 -90.5
fwAVG=2.65
sdW=877.3
fwW=2.71
sdS=1612.6
fwS=2.45
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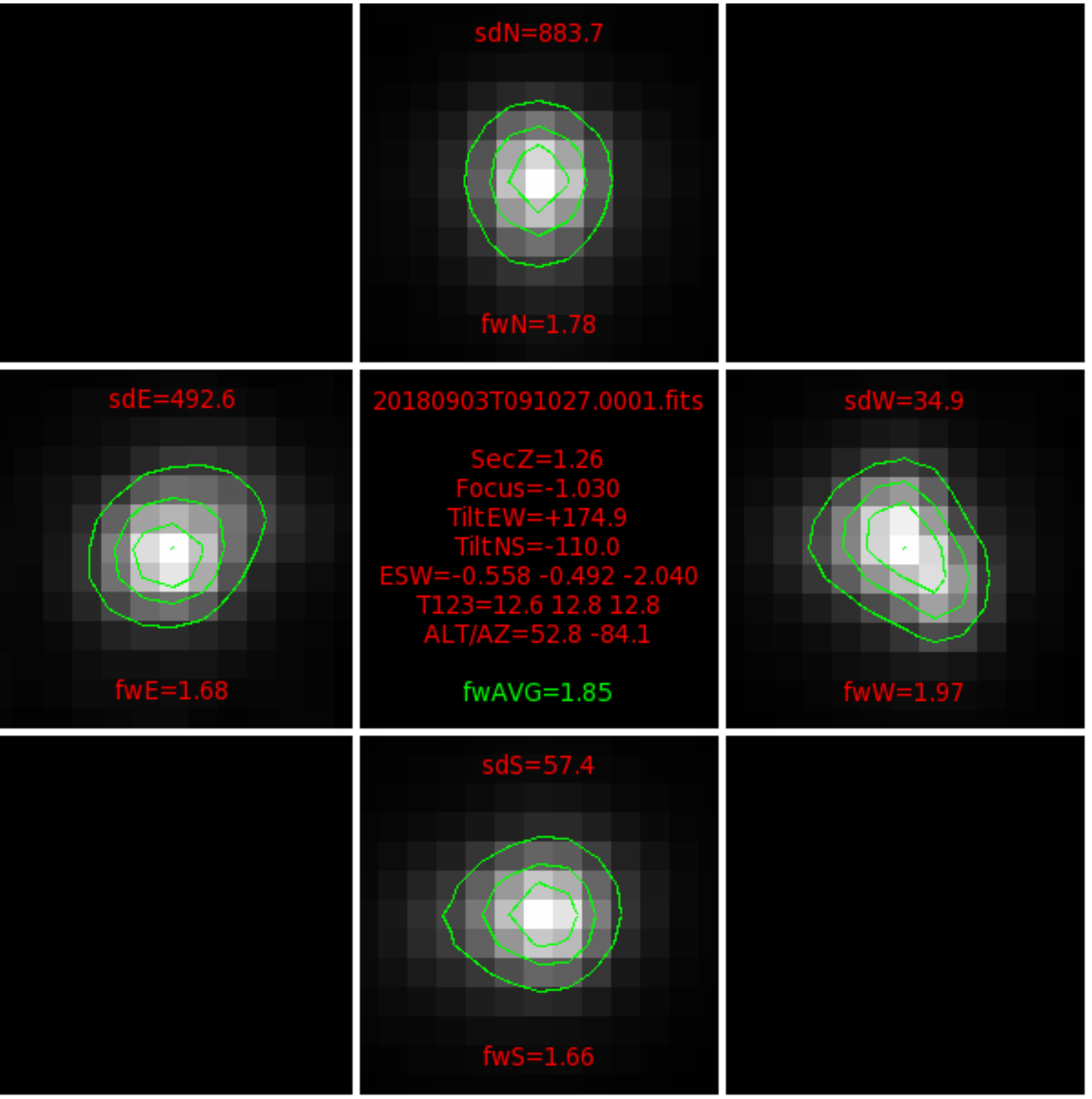
sdN=883.7
fwN=1.78
sdE=492.6
fwE=1.68
20180903T091027.0001.fits
SecZ=1.26
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.6 12.8 12.8
ALT/AZ=52.8 -84.1
fwAVG=1.85
sdW=34.9
fwW=1.97
sdS=57.4
fwS=1.66
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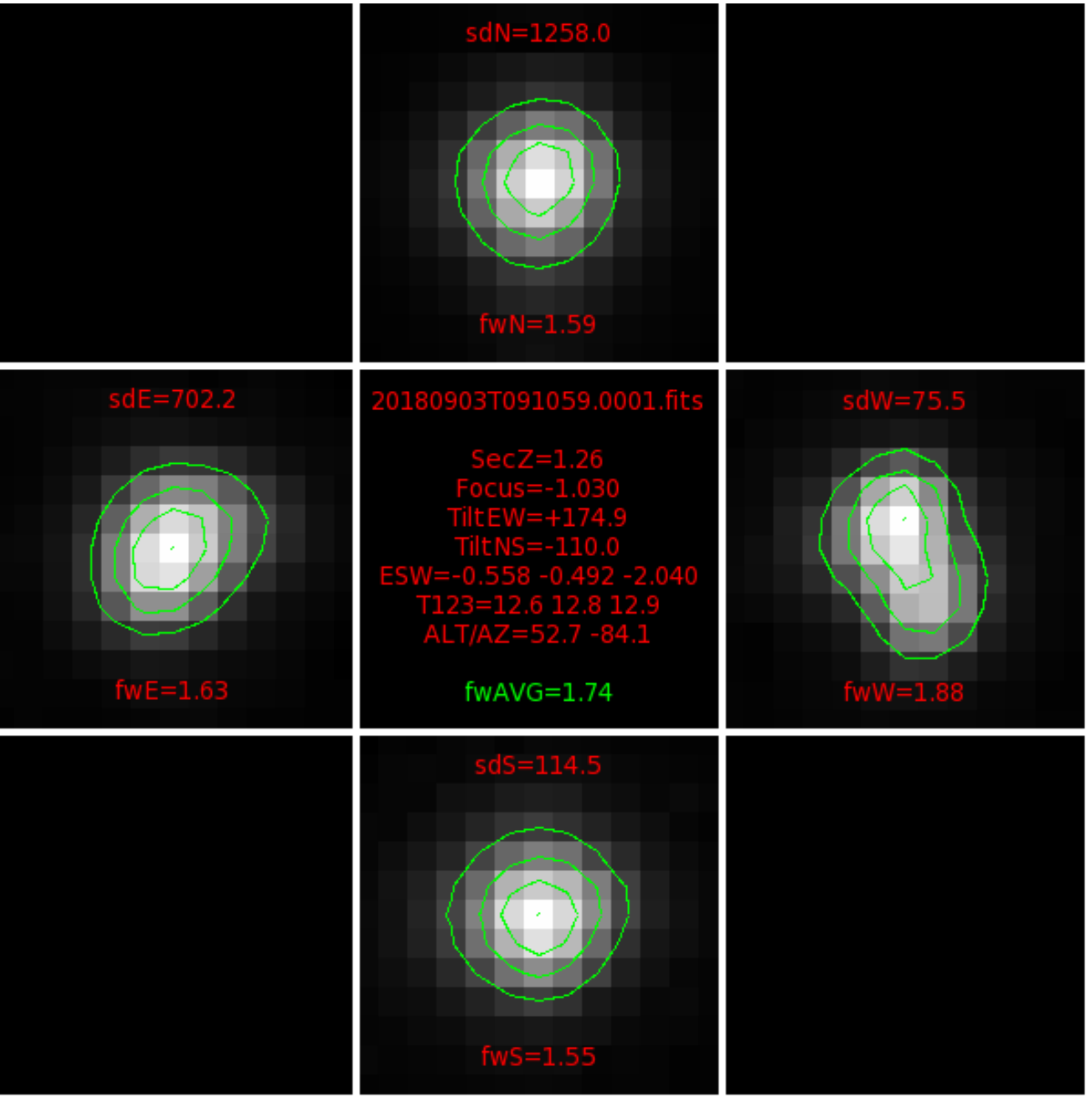
sdN=1258.0
fwN=1.59
sdE=702.2
fwE=1.63
20180903T091059.0001.fits
SecZ=1.26
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.6 12.8 12.9
ALT/AZ=52.7 -84.1
fwAVG=1.74
sdW=75.5
fwW=1.88
sdS=114.5
fwS=1.55
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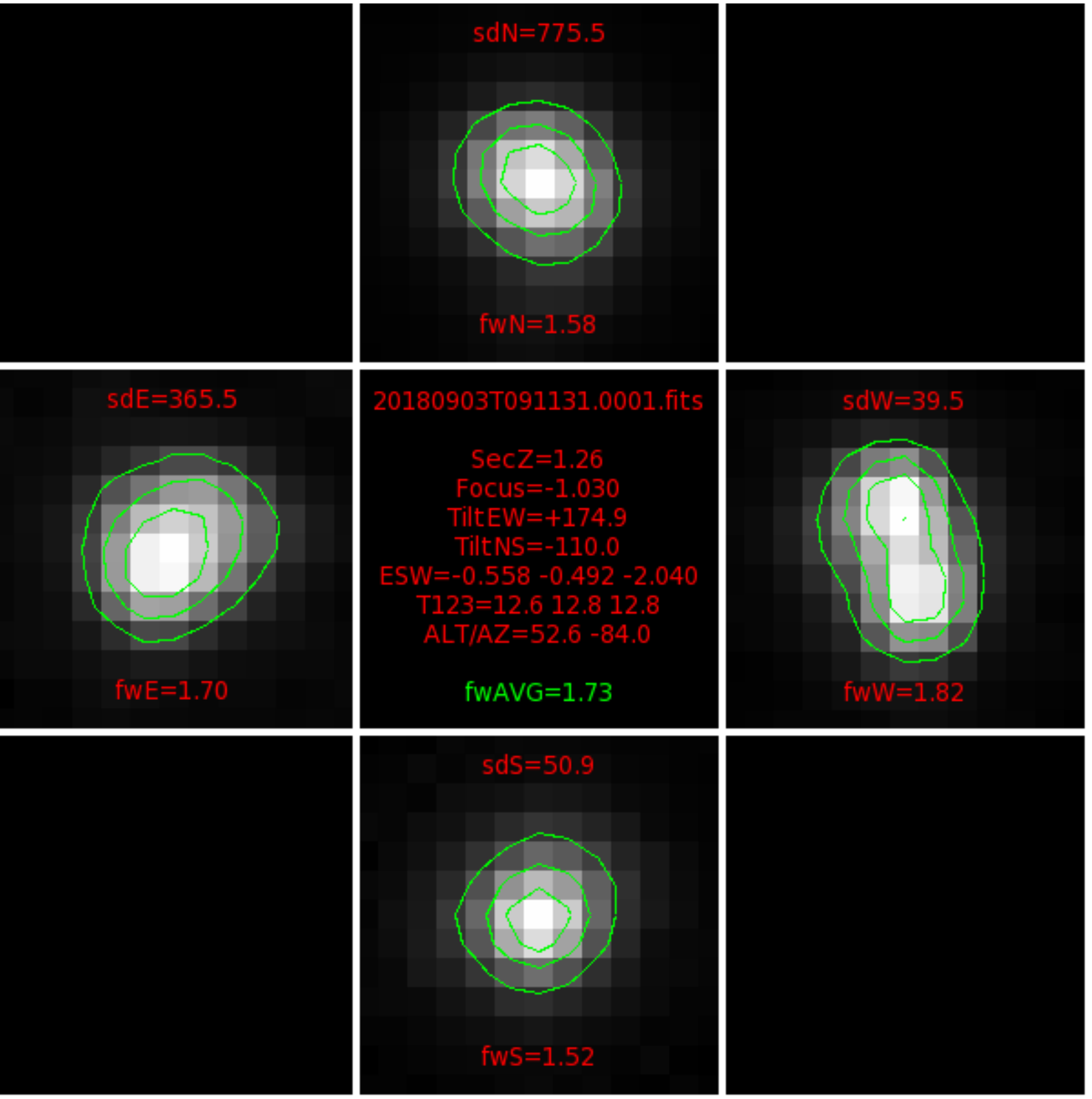
sdN=775.5
fwN=1.58
sdE=365.5
fwE=1.70
20180903T091131.0001.fits
SecZ=1.26
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.6 12.8 12.8
ALT/AZ=52.6 -84.0
fwAVG=1.73
sdW=39.5
fwW=1.82
sdS=50.9
fwS=1.52
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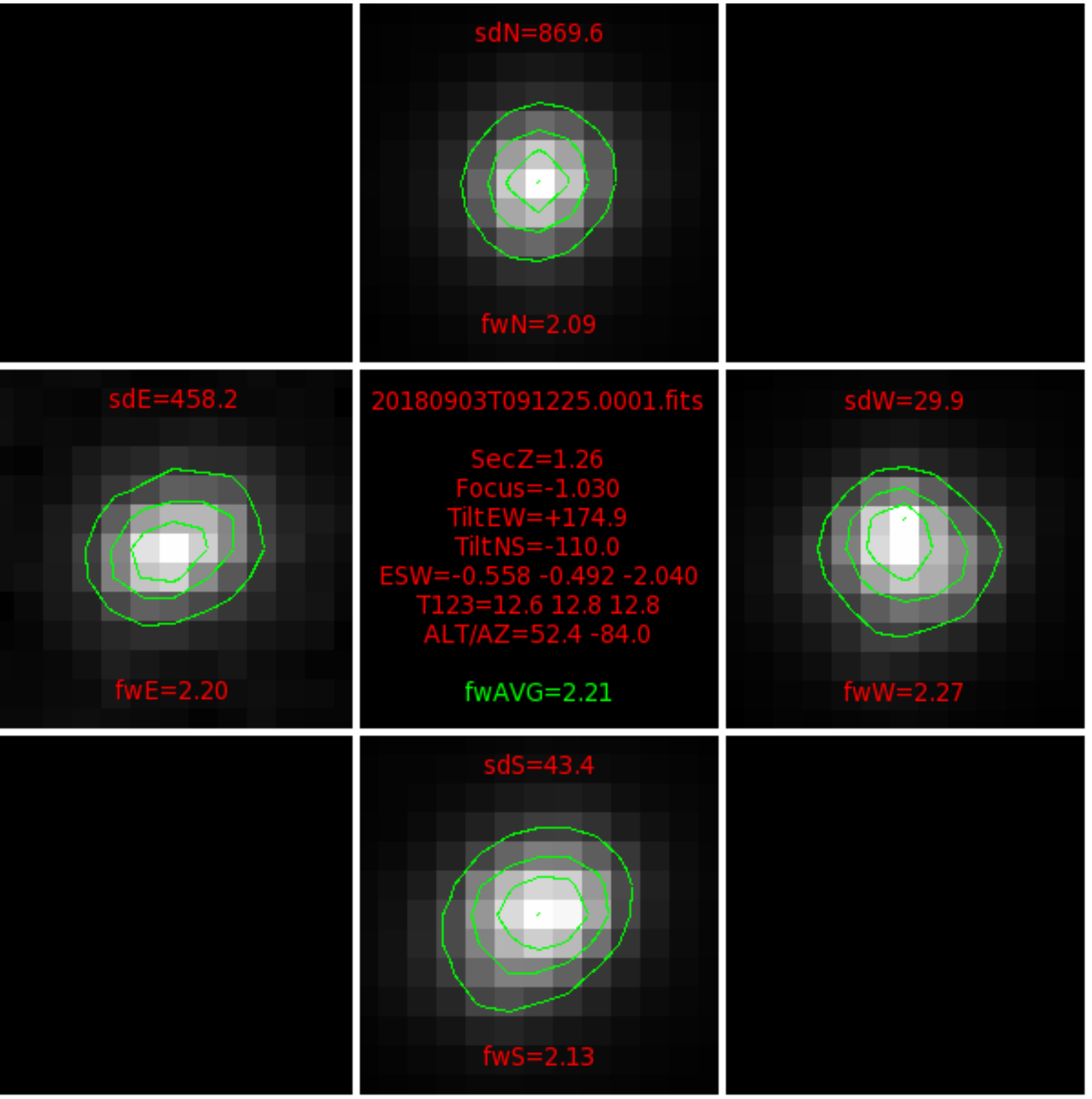
sdN=869.6
fwN=2.09
sdE=458.2
fwE=2.20
20180903T091225.0001.fits
SecZ=1.26
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.6 12.8 12.8
ALT/AZ=52.4 -84.0
fwAVG=2.21
sdW=29.9
fwW=2.27
sdS=43.4
fwS=2.13
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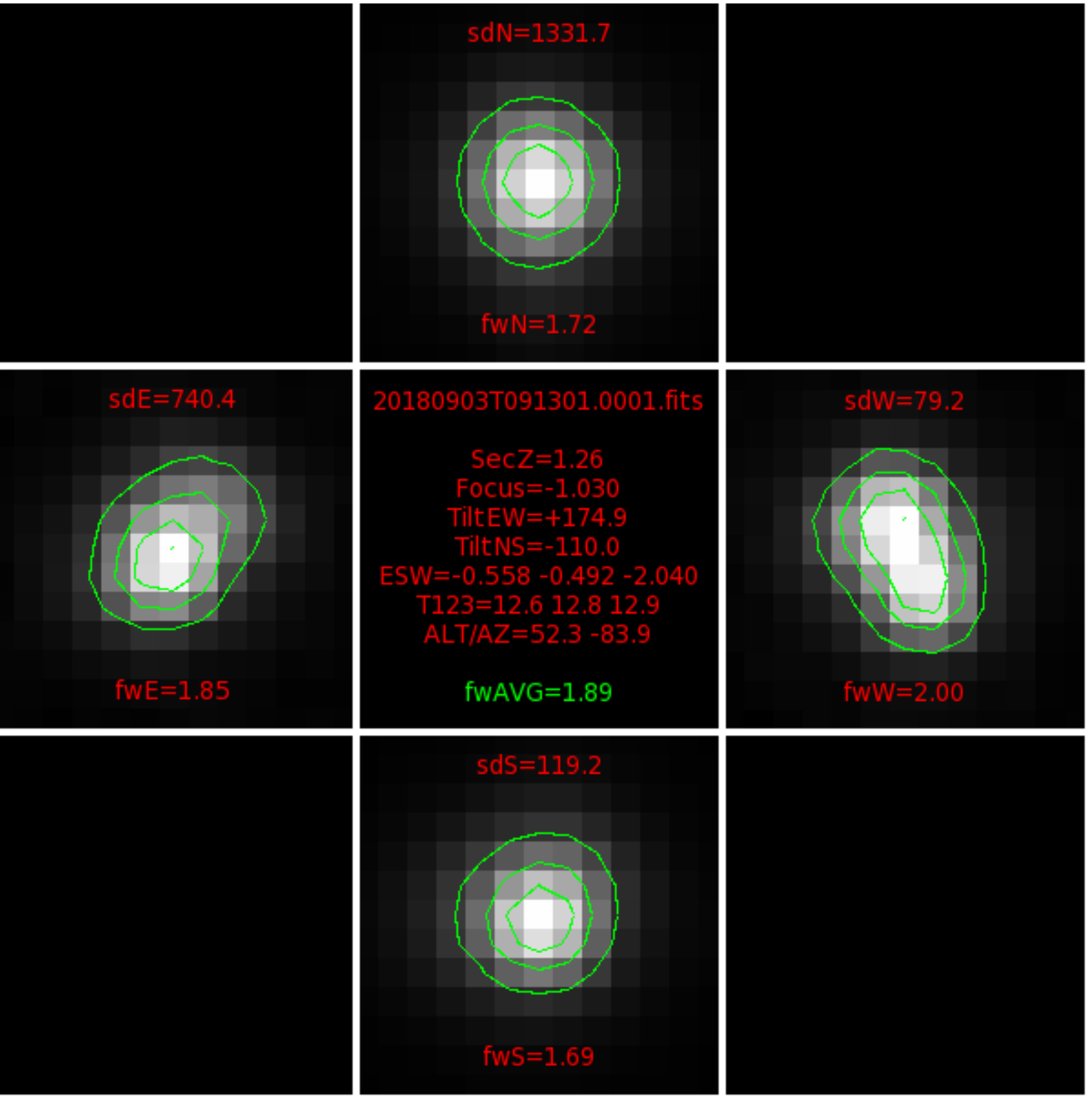
sdN=1331.7
fwN=1.72
sdE=740.4
fwE=1.85
20180903T091301.0001.fits
SecZ=1.26
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.6 12.8 12.9
ALT/AZ=52.3 -83.9
fwAVG=1.89
sdW=79.2
fwW=2.00
sdS=119.2
fwS=1.69
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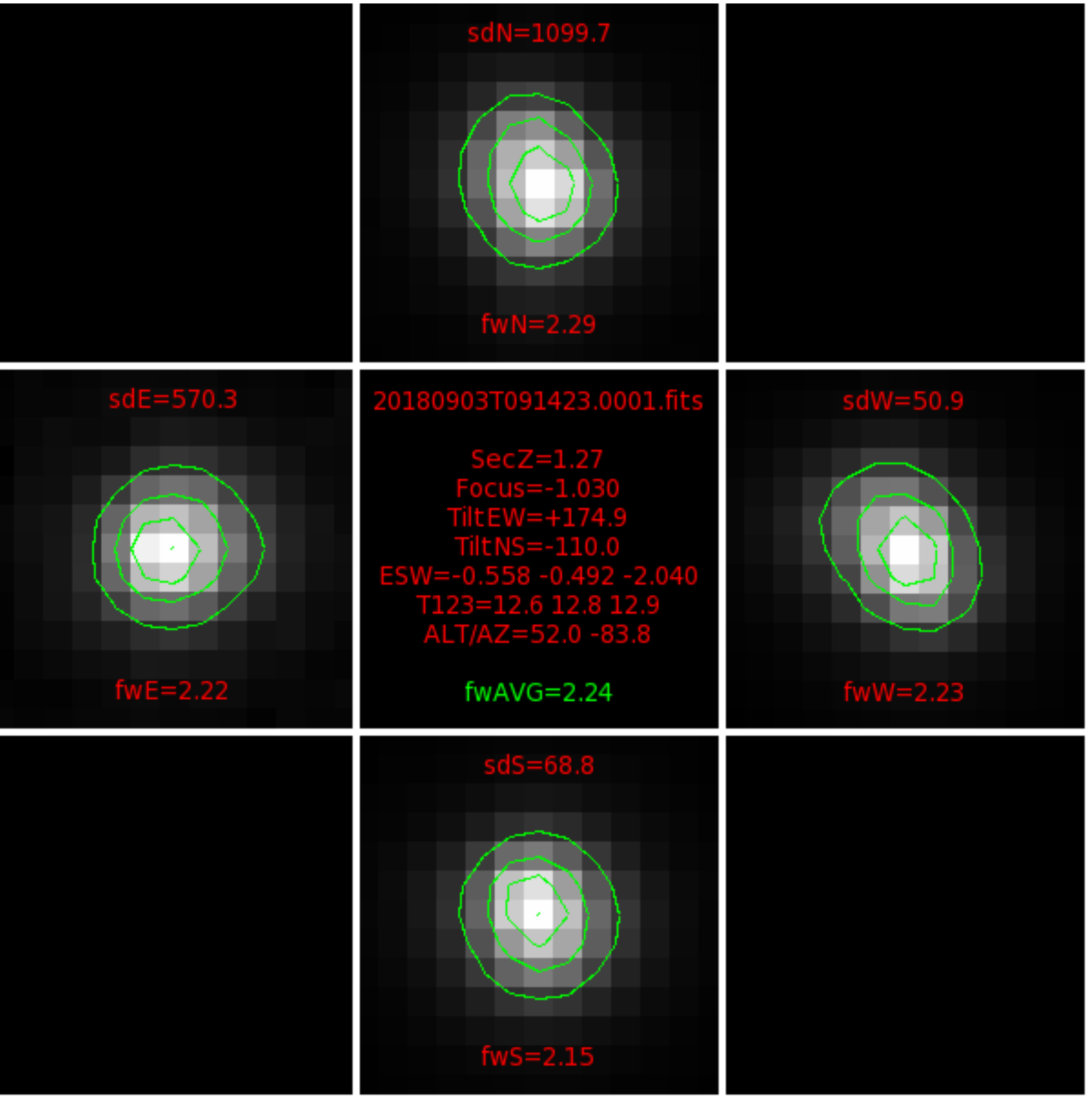
sdN=1099.7
fwN=2.29
sdE=570.3
fwE=2.22
20180903T091423.0001.fits
SecZ=1.27
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.6 12.8 12.9
ALT/AZ=52.0 -83.8
fwAVG=2.24
sdW=50.9
fwW=2.23
sdS=68.8
fwS=2.15
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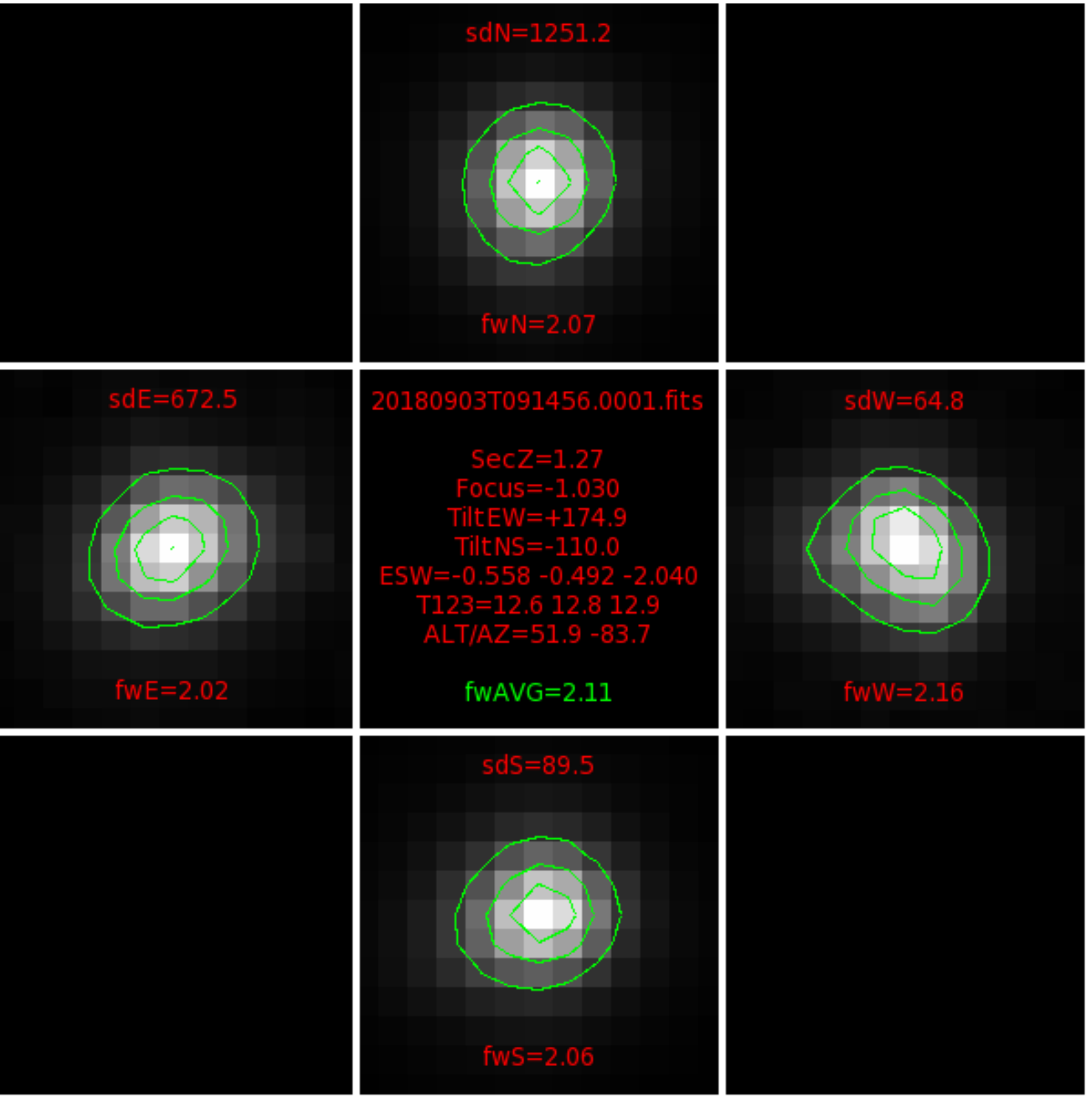
sdN=1251.2
fwN=2.07
sdE=672.5
fwE=2.02
20180903T091456.0001.fits
SecZ=1.27
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.6 12.8 12.9
ALT/AZ=51.9 -83.7
fwAVG=2.11
sdW=64.8
fwW=2.16
sdS=89.5
fwS=2.06
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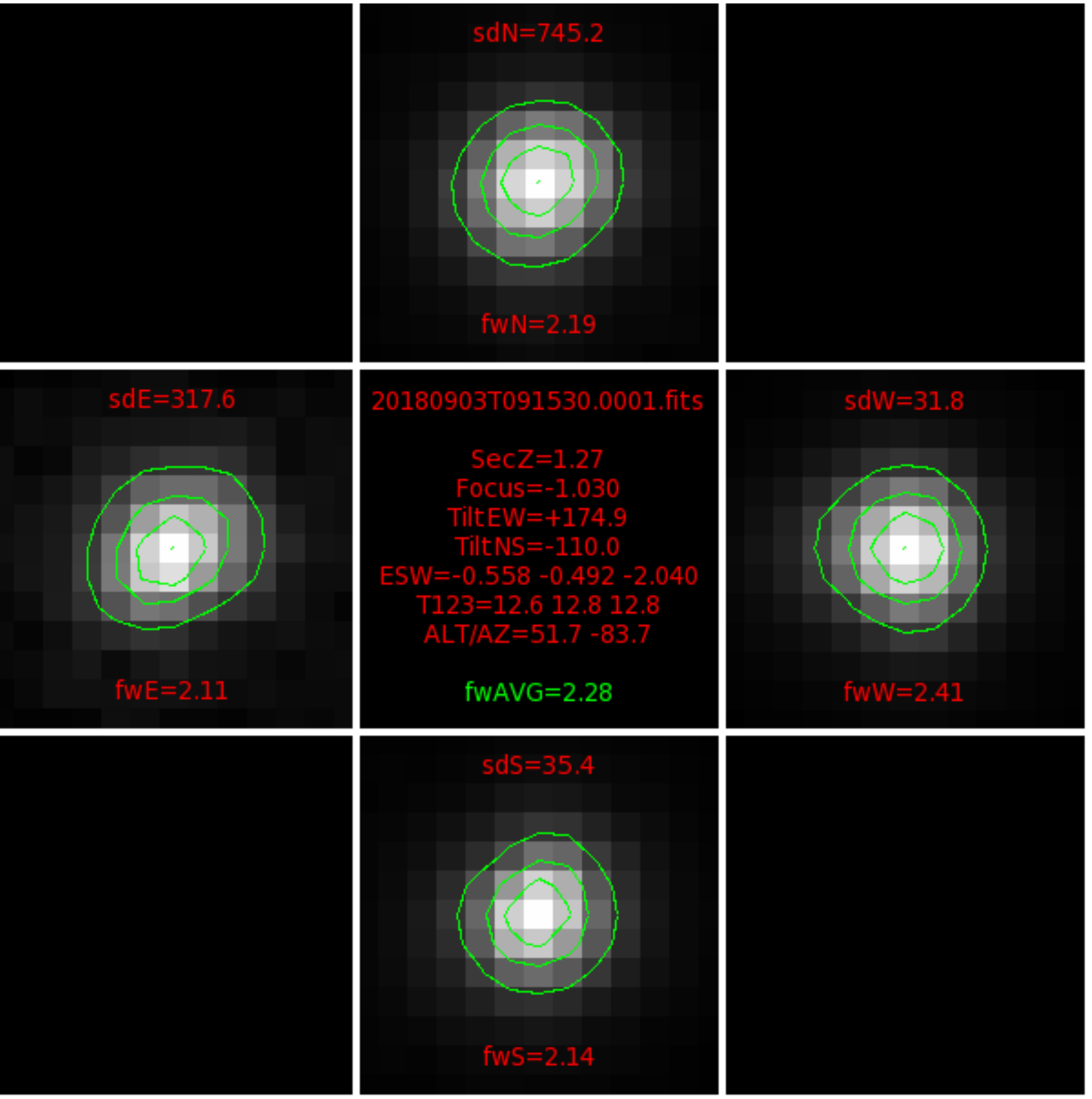
sdN=745.2
fwN=2.19
sdE=317.6
fwE=2.11
20180903T091530.0001.fits
SecZ=1.27
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.6 12.8 12.8
ALT/AZ=51.7 -83.7
fwAVG=2.28
sdW=31.8
fwW=2.41
sdS=35.4
fwS=2.14
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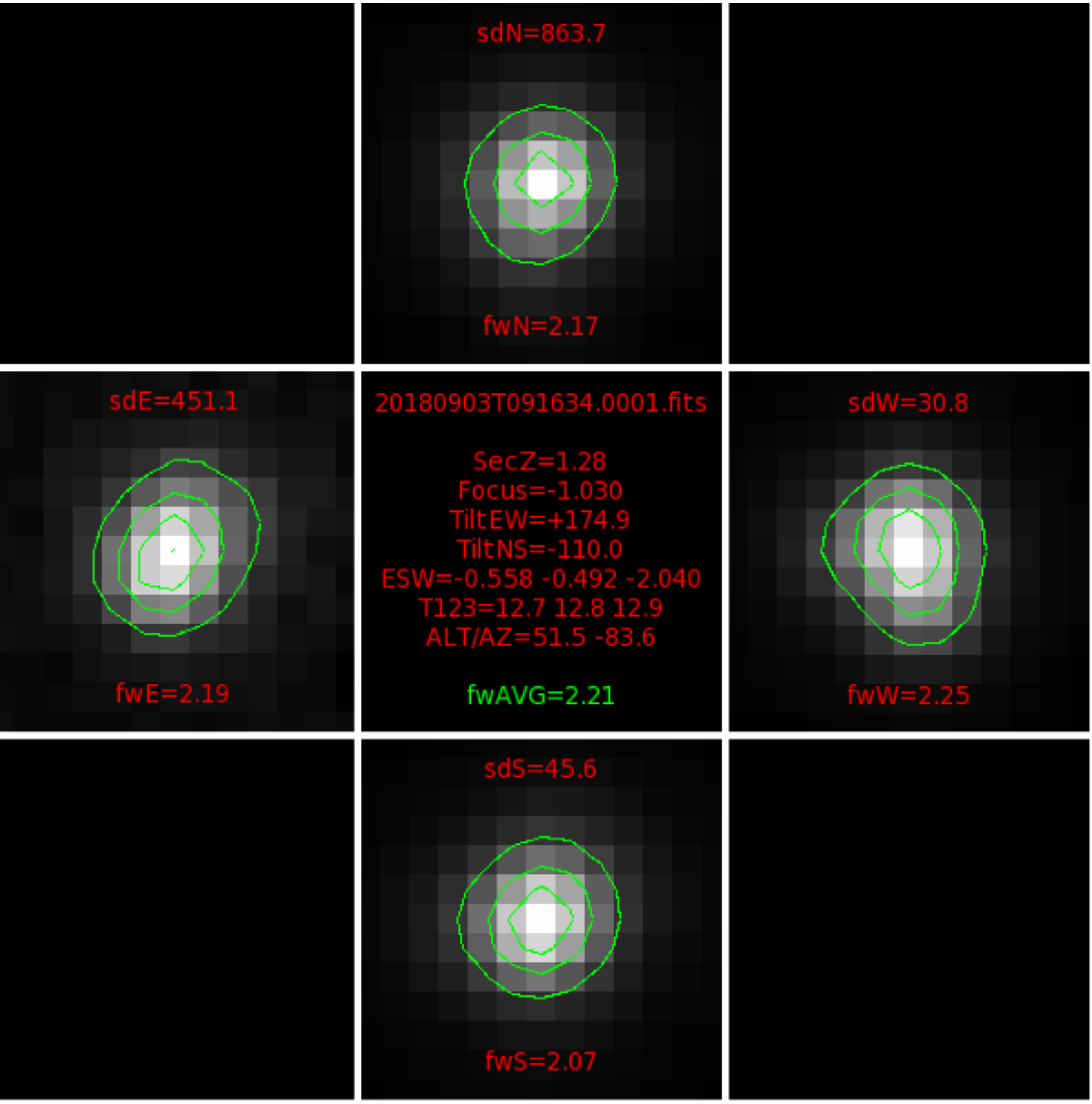
sdN=863.7
fwN=2.17
sdE=451.1
fwE=2.19
20180903T091634.0001.fits
SecZ=1.28
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.7 12.8 12.9
ALT/AZ=51.5 -83.6
fwAVG=2.21
sdW=30.8
fwW=2.25
sdS=45.6
fwS=2.07
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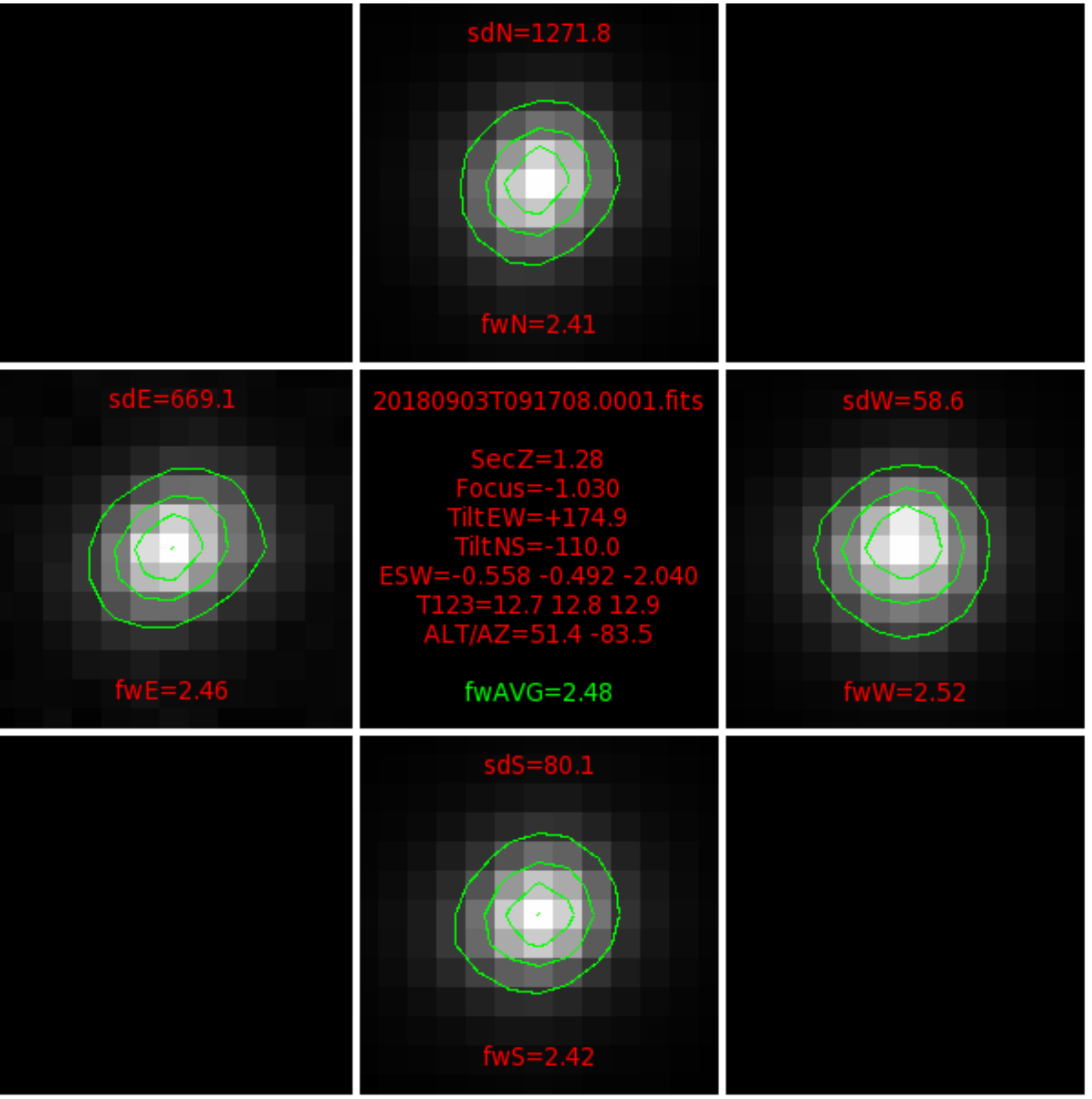
sdN=1271.8
fwN=2.41
sdE=669.1
fwE=2.46
20180903T091708.0001.fits
SecZ=1.28
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.7 12.8 12.9
ALT/AZ=51.4 -83.5
fwAVG=2.48
sdW=58.6
fwW=2.52
sdS=80.1
fwS=2.42
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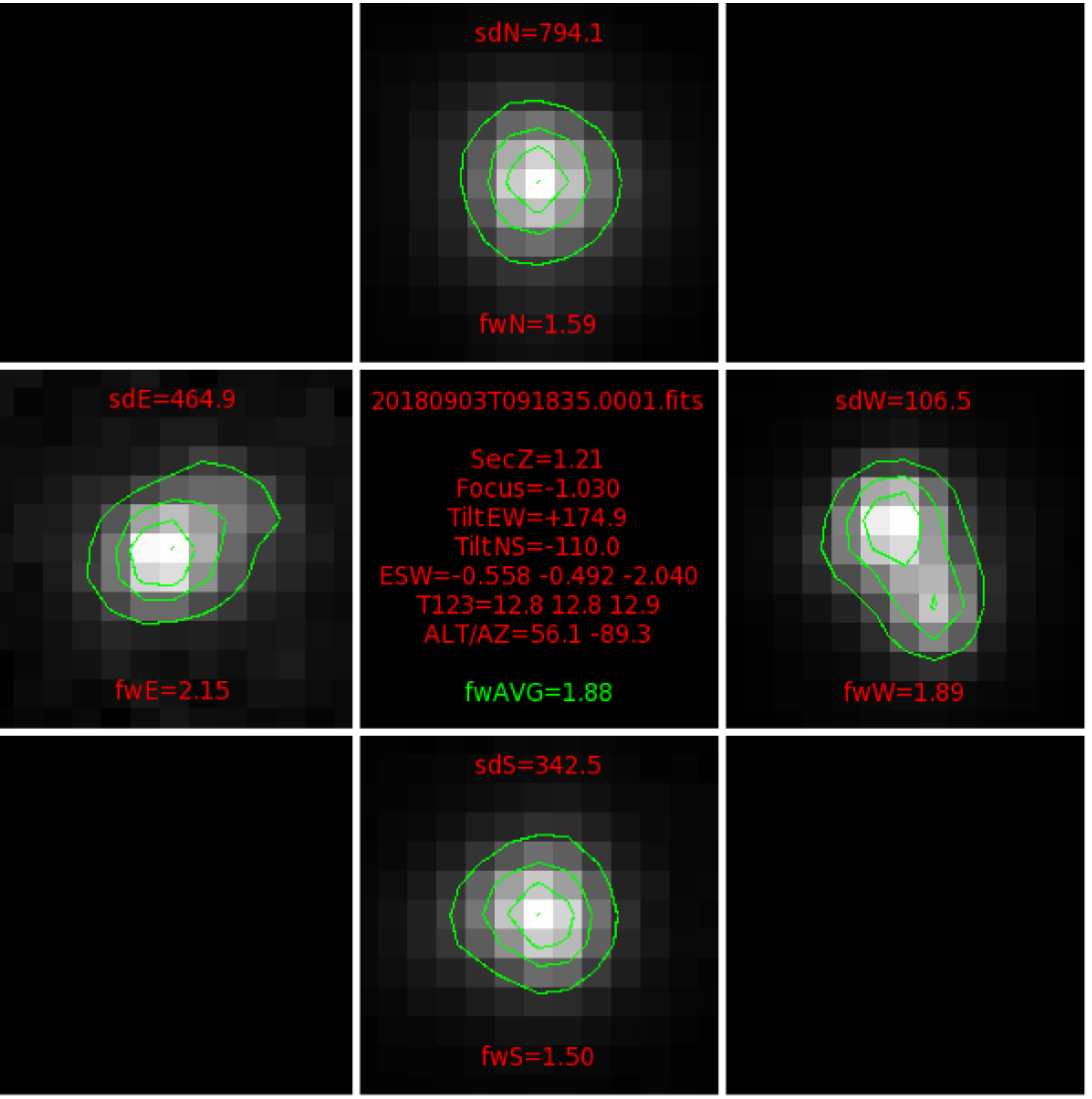
sdN=794.1
fwN=1.59
sdE=464.9
fwE=2.15
20180903T091835.0001.fits
SecZ=1.21
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.8 12.8 12.9
ALT/AZ=56.1 -89.3
fwAVG=1.88
sdW=106.5
fwW=1.89
sdS=342.5
fwS=1.50
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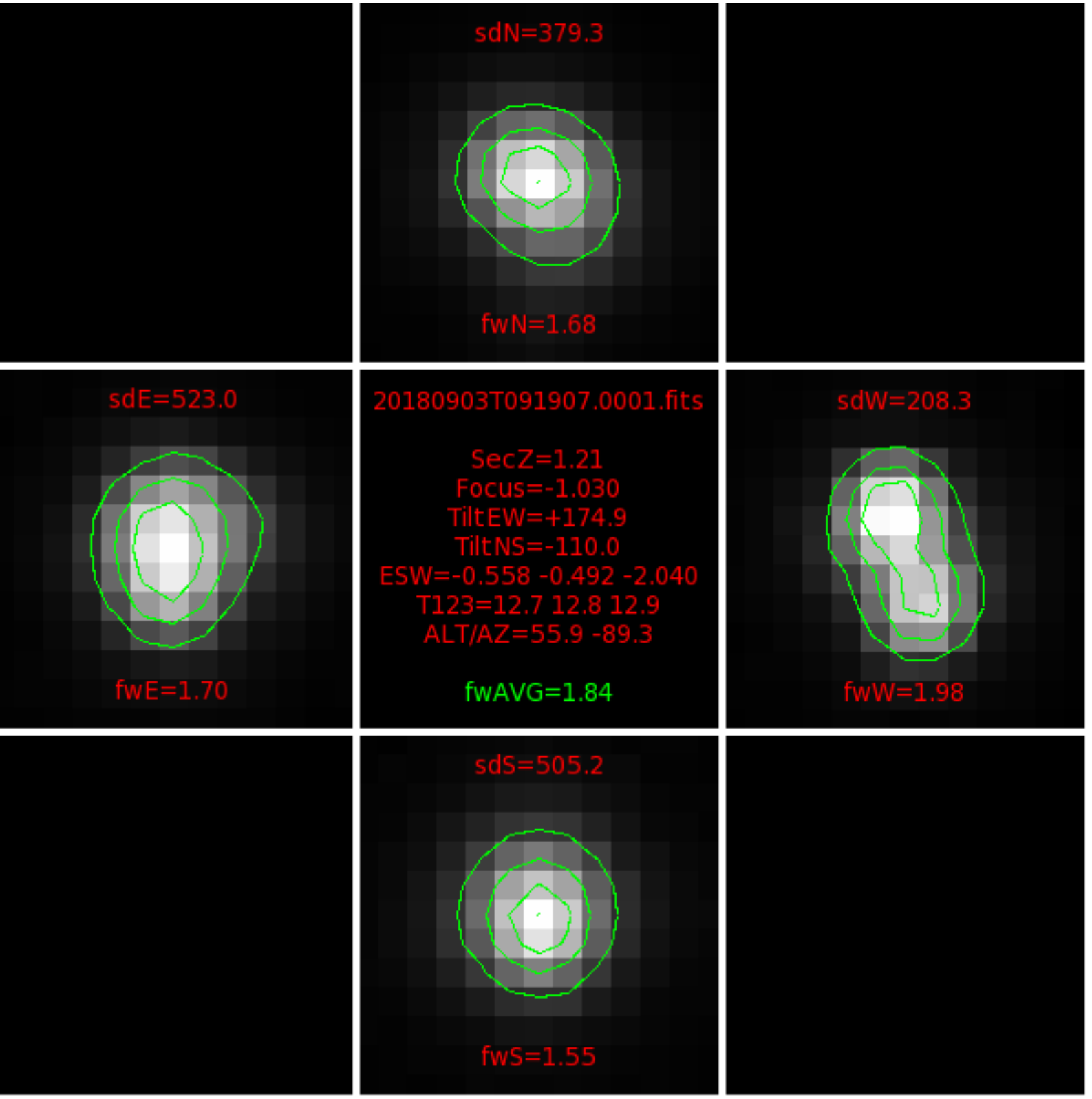
sdN=379.3
fwN=1.68
sdE=523.0
fwE=1.70
20180903T091907.0001.fits
SecZ=1.21
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.7 12.8 12.9
ALT/AZ=55.9 -89.3
fwAVG=1.84
sdW=208.3
fwW=1.98
sdS=505.2
fwS=1.55
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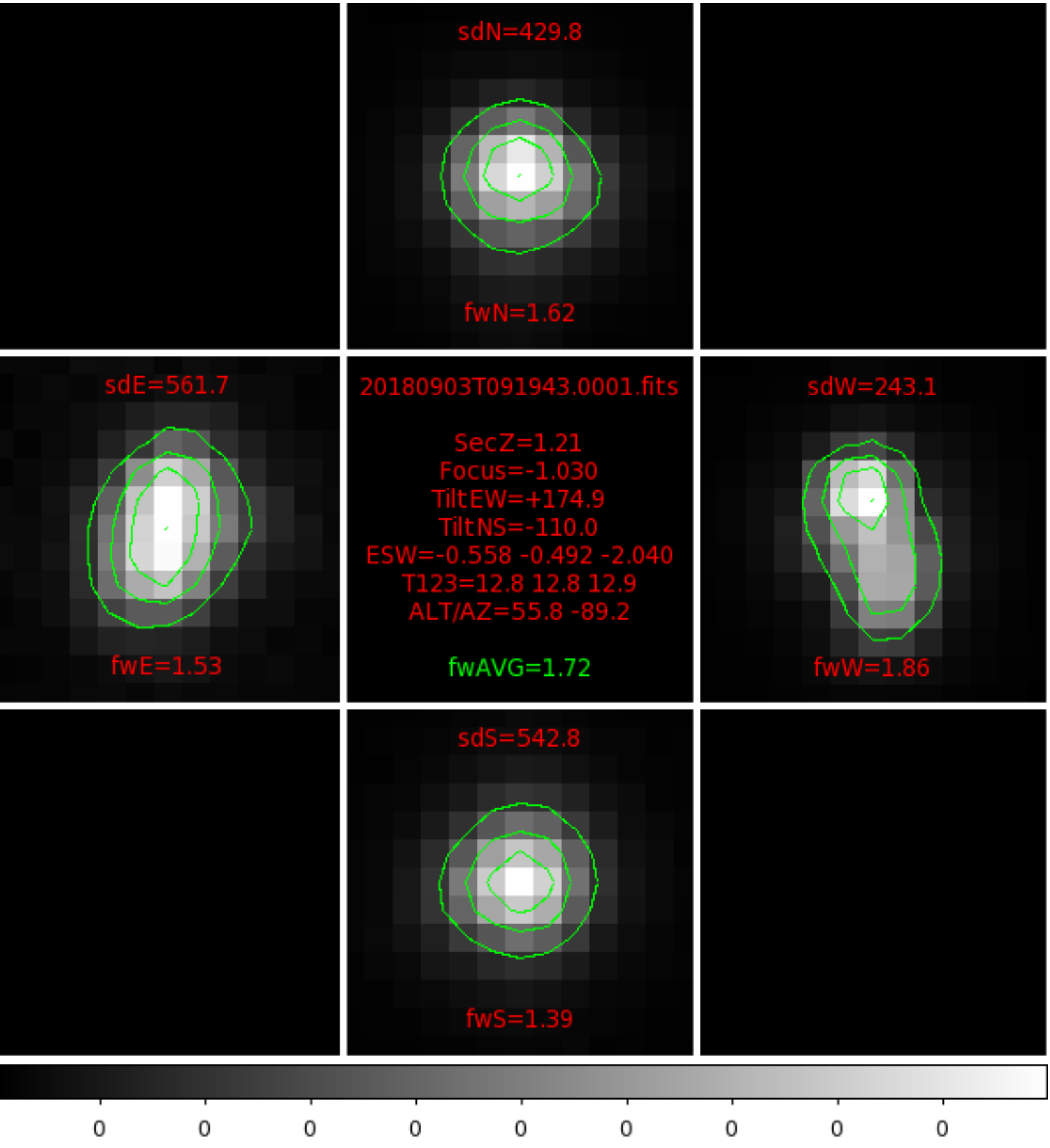
sdN=429.8
fwN=1.62
sdE=561.7
fwE=1.53
20180903T091943.0001.fits
SecZ=1.21
Focus=-1.030
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.558 -0.492 -2.040
T123=12.8 12.8 12.9
ALT/AZ=55.8 -89.2
fwAVG=1.72
sdW=243.1
fwW=1.86
sdS=542.8
fwS=1.39
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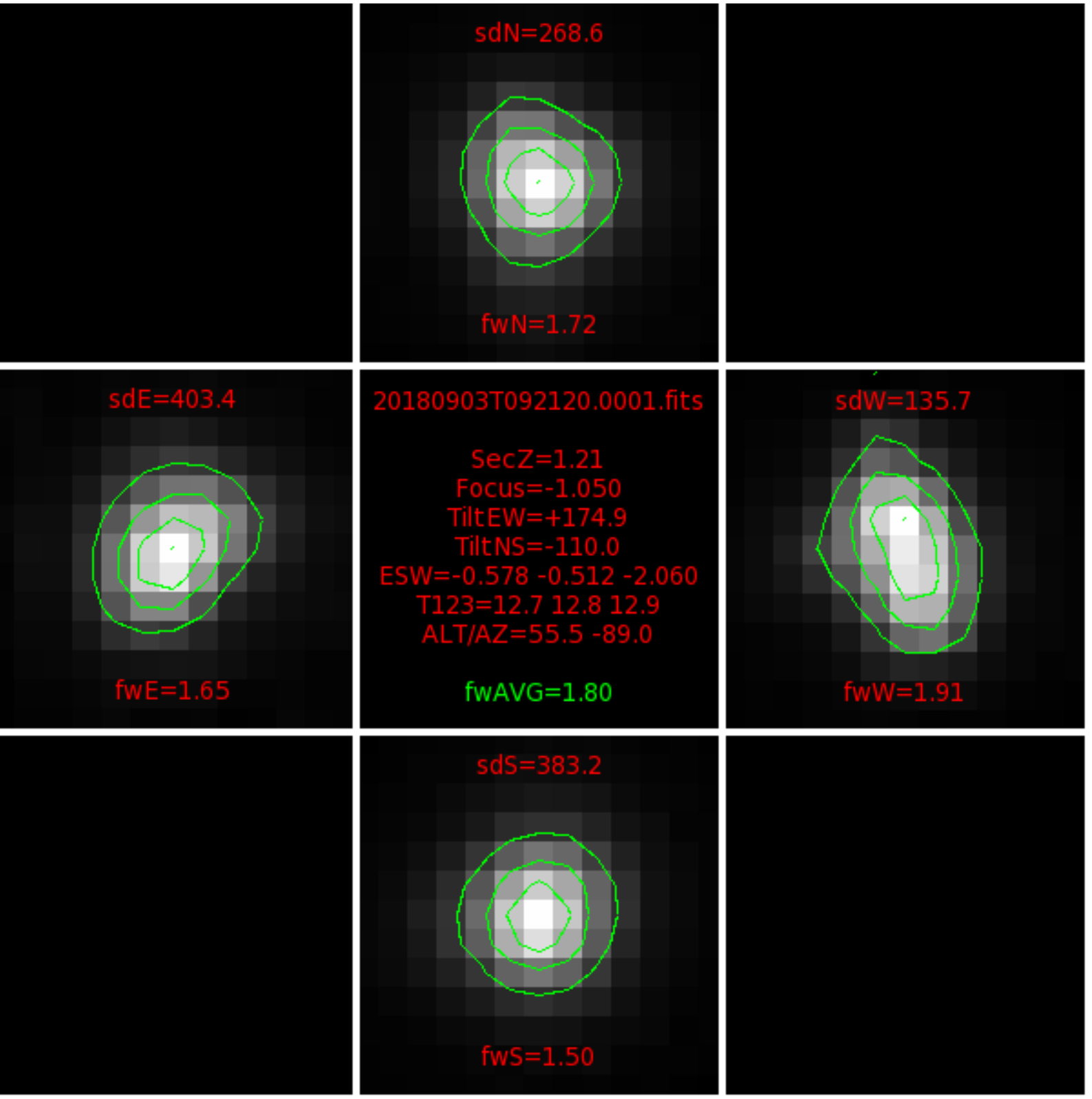
sdN=268.6
fwN=1.72
sdE=403.4
fwE=1.65
20180903T092120.0001.fits
SecZ=1.21
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.7 12.8 12.9
ALT/AZ=55.5 -89.0
fwAVG=1.80
sdW=135.7
fwW=1.91
sdS=383.2
fwS=1.50
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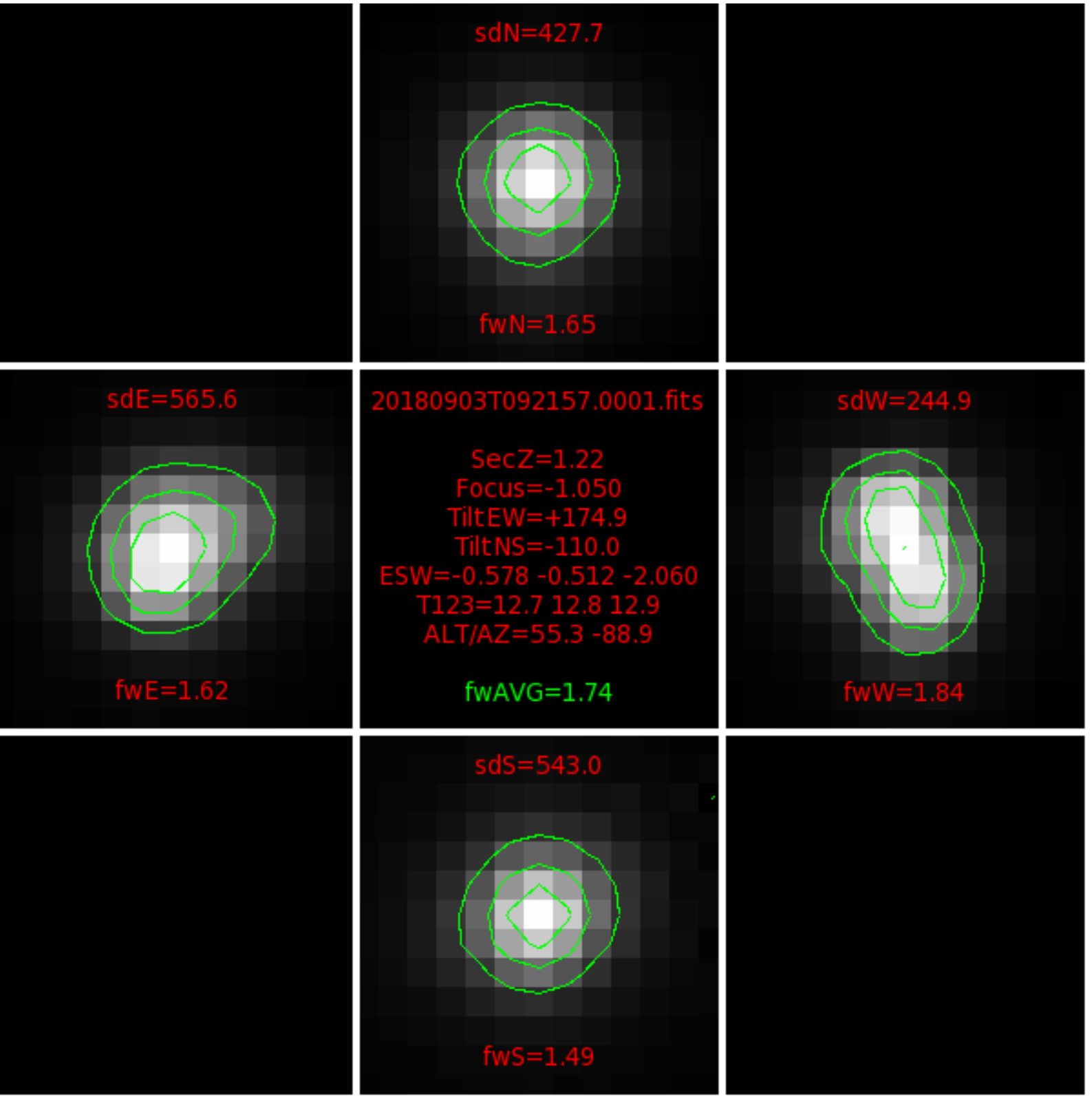
sdN=427.7
fwN=1.65
sdE=565.6
fwE=1.62
20180903T092157.0001.fits
SecZ=1.22
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.7 12.8 12.9
ALT/AZ=55.3 -88.9
fwAVG=1.74
sdW=244.9
fwW=1.84
sdS=543.0
fwS=1.49
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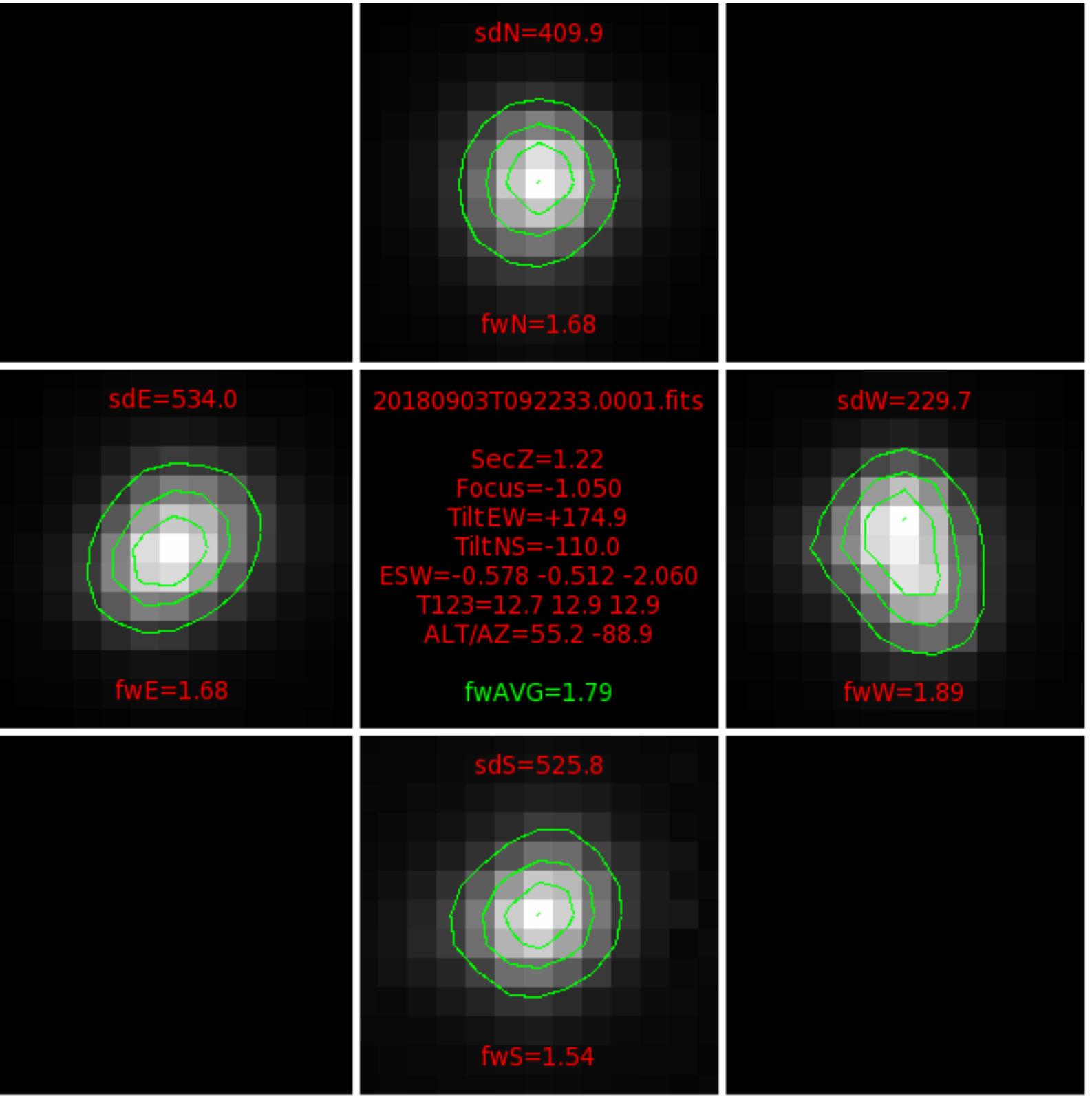
sdN=409.9
fwN=1.68
sdE=534.0
fwE=1.68
20180903T092233.0001.fits
SecZ=1.22
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.7 12.9 12.9
ALT/AZ=55.2 -88.9
fwAVG=1.79
sdW=229.7
fwW=1.89
sdS=525.8
fwS=1.54
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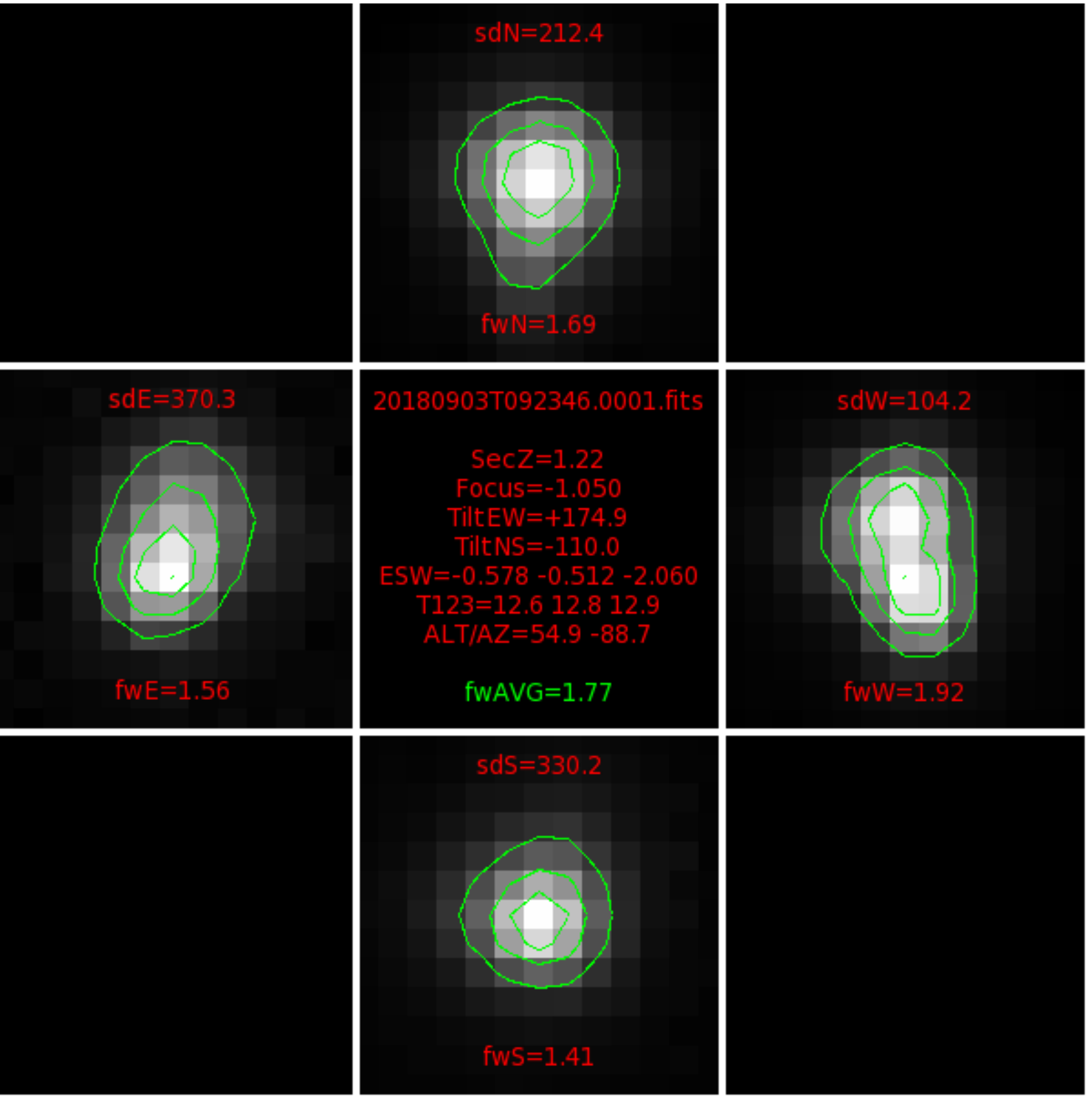
sdN=212.4
fwN=1.69
sdE=370.3
fwE=1.56
20180903T092346.0001.fits
SecZ=1.22
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.8 12.9
ALT/AZ=54.9 -88.7
fwAVG=1.77
sdW=104.2
fwW=1.92
sdS=330.2
fwS=1.41
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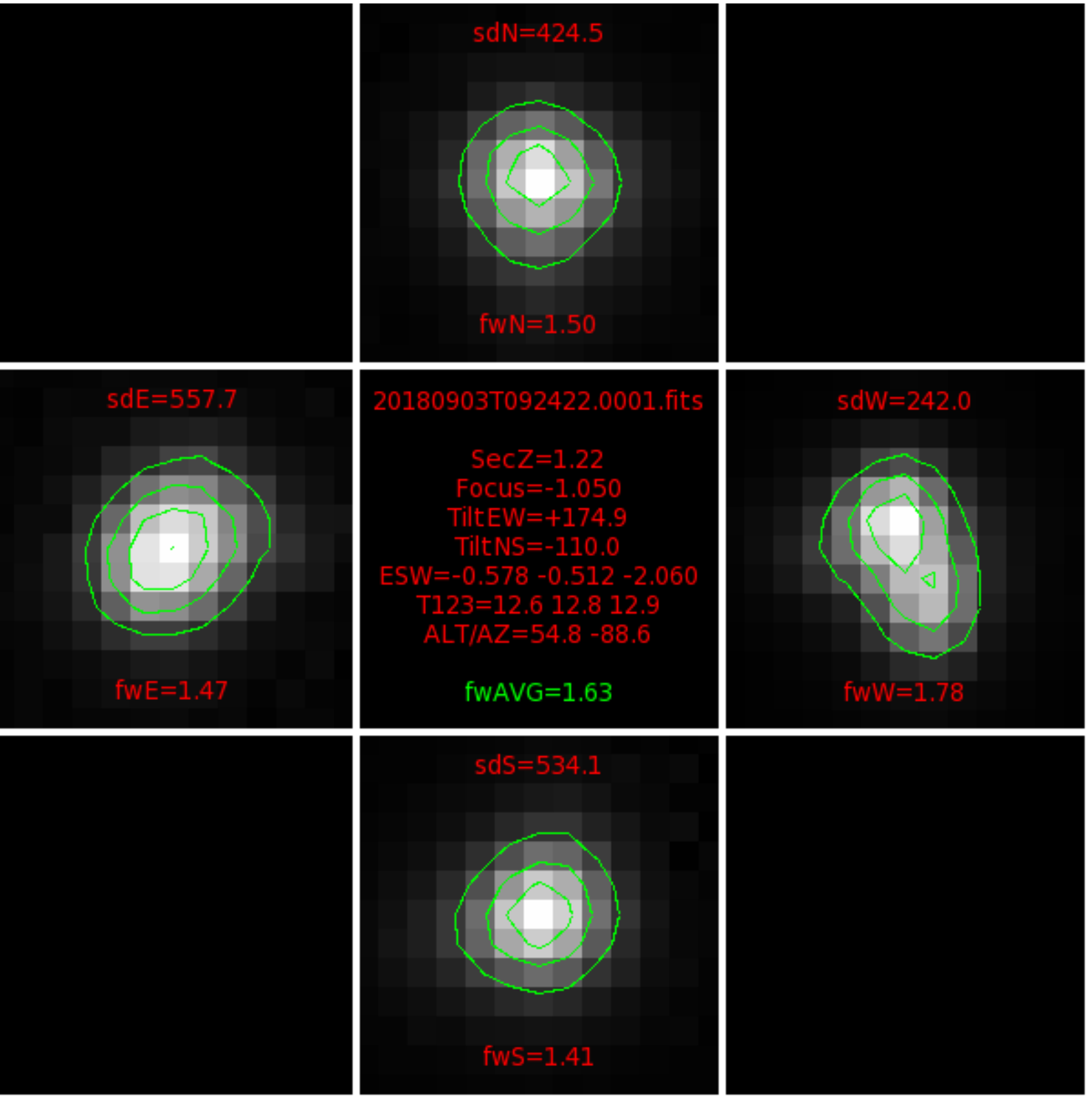
sdN=424.5
fwN=1.50
sdE=557.7
fwE=1.47
20180903T092422.0001.fits
SecZ=1.22
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.8 12.9
ALT/AZ=54.8 -88.6
fwAVG=1.63
sdW=242.0
fwW=1.78
sdS=534.1
fwS=1.41
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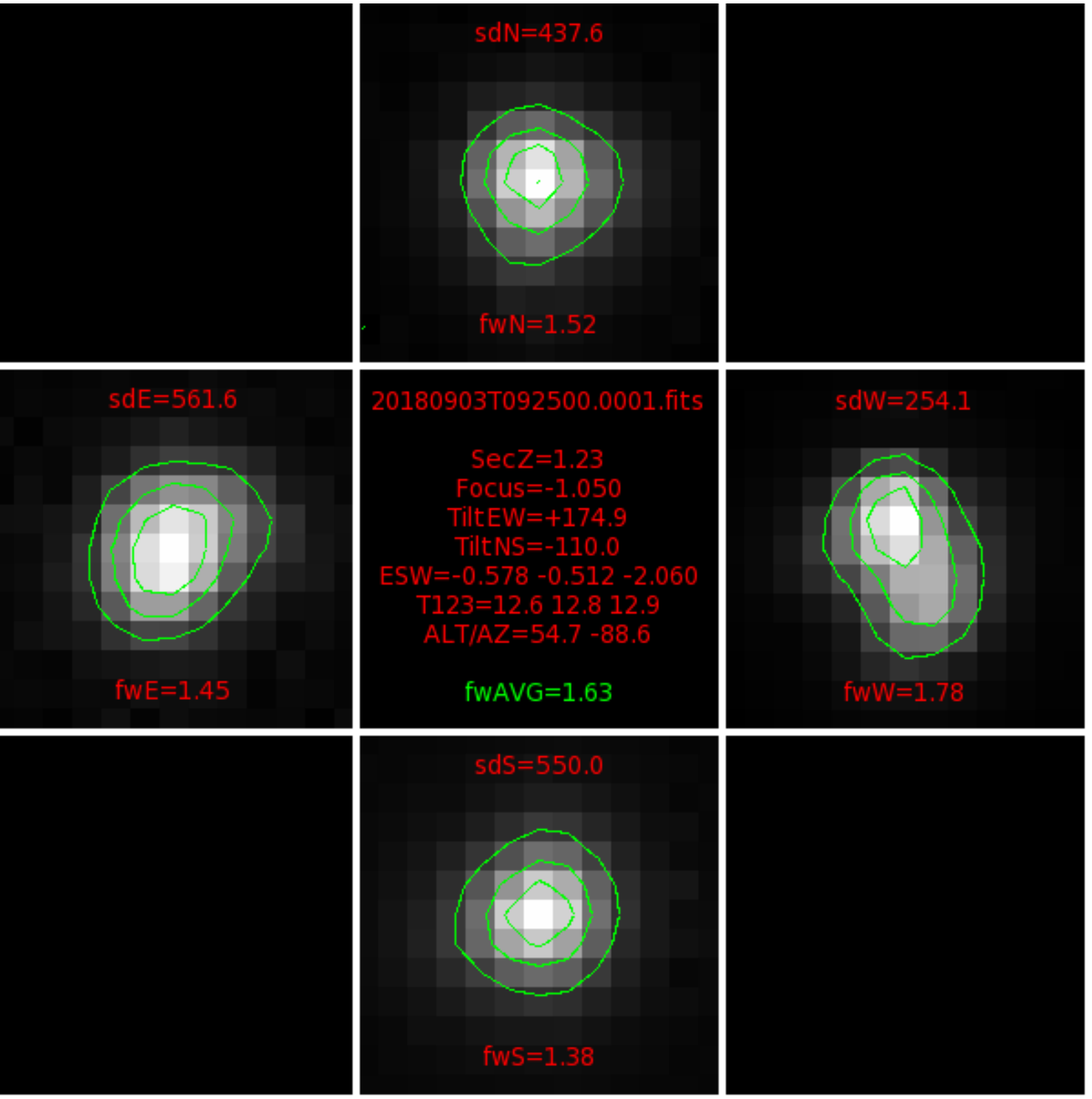
sdN=437.6
fwN=1.52
sdE=561.6
fwE=1.45
20180903T092500.0001.fits
SecZ=1.23
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.8 12.9
ALT/AZ=54.7 -88.6
fwAVG=1.63
sdW=254.1
fwW=1.78
sdS=550.0
fwS=1.38
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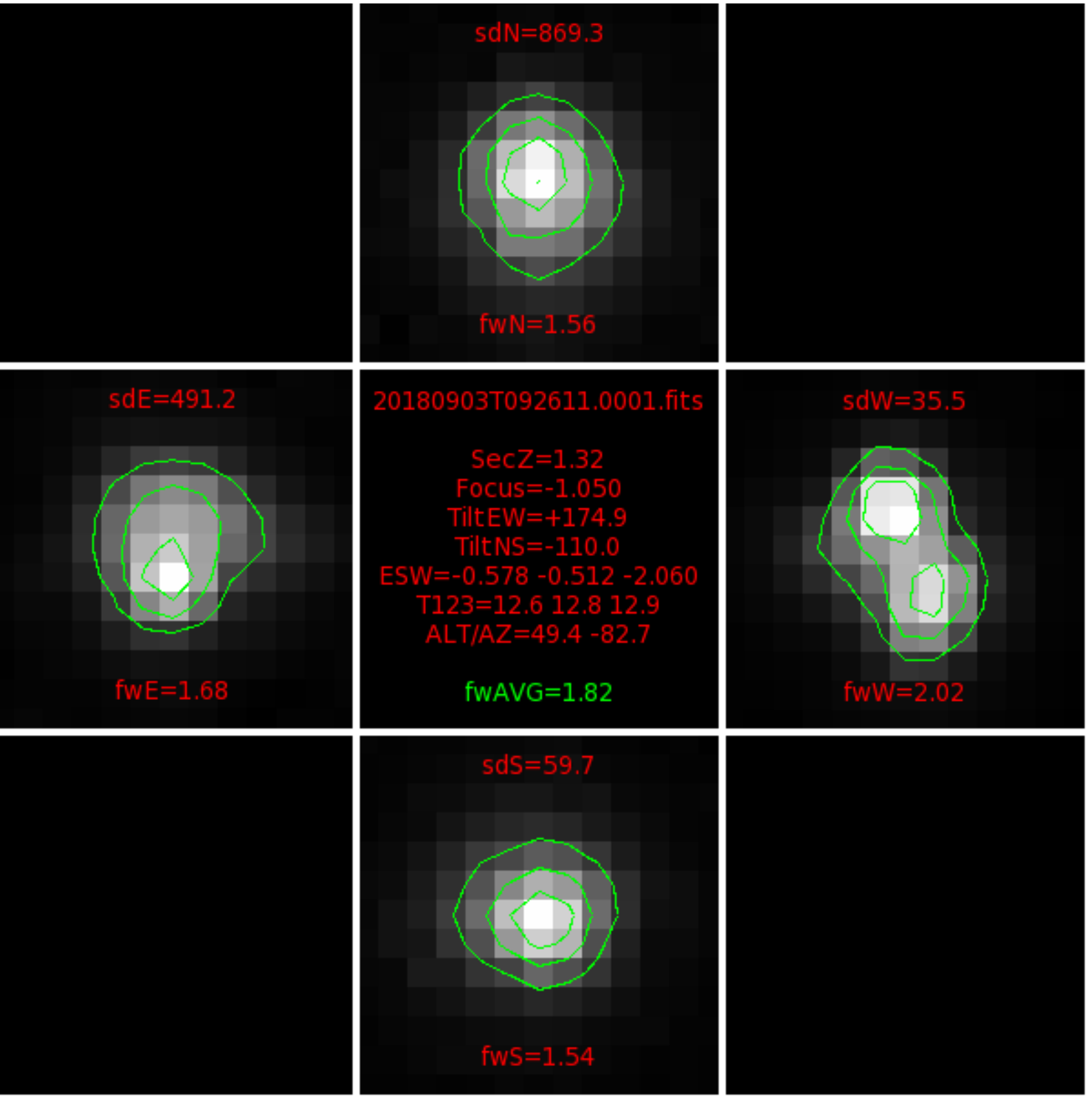
sdN=869.3
fwN=1.56
sdE=491.2
fwE=1.68
20180903T092611.0001.fits
SecZ=1.32
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.8 12.9
ALT/AZ=49.4 -82.7
fwAVG=1.82
sdW=35.5
fwW=2.02
sdS=59.7
fwS=1.54
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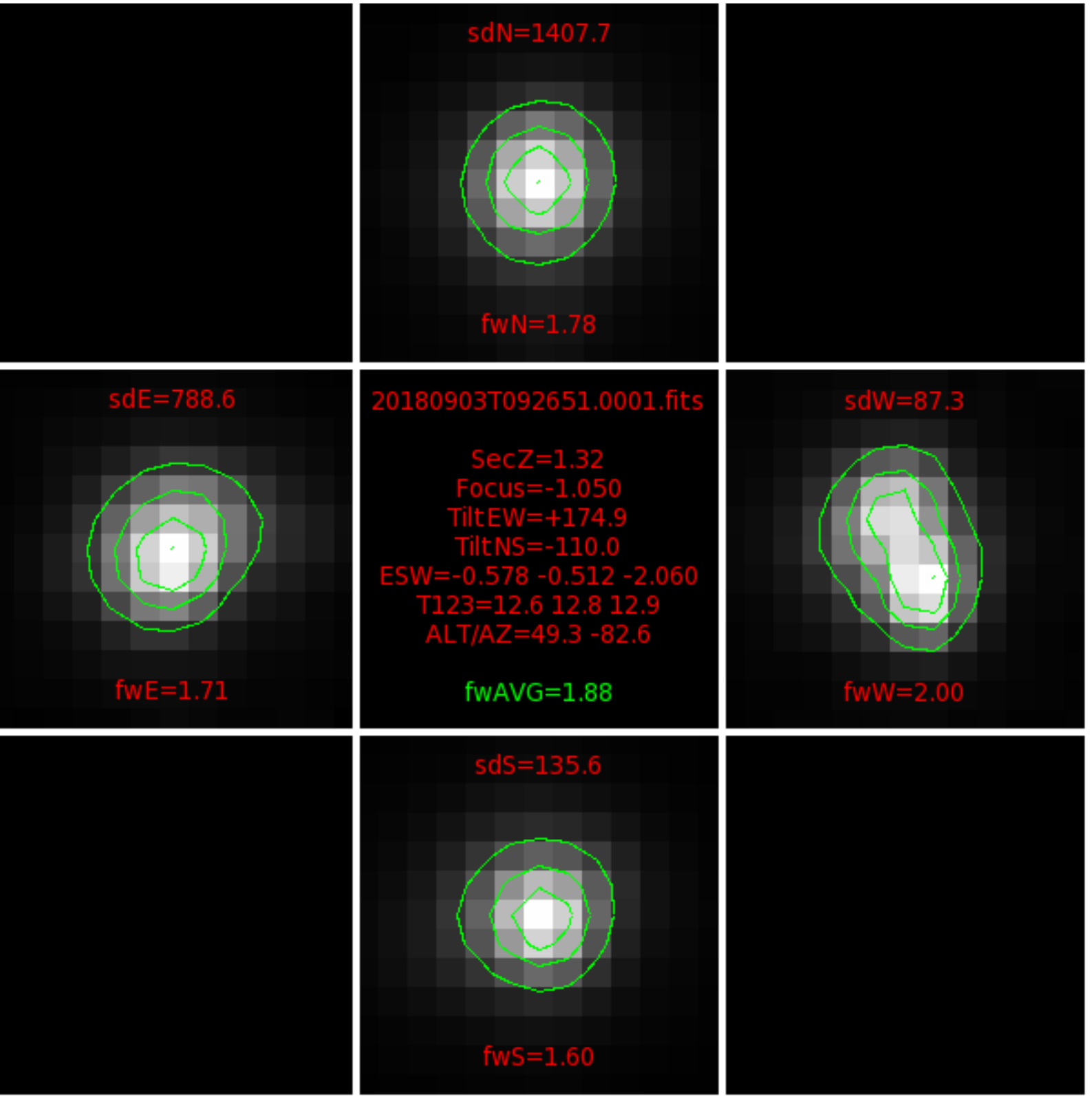
sdN=1407.7
fwN=1.78
sdE=788.6
fwE=1.71
20180903T092651.0001.fits
SecZ=1.32
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.8 12.9
ALT/AZ=49.3 -82.6
fwAVG=1.88
sdW=87.3
fwW=2.00
sdS=135.6
fwS=1.60
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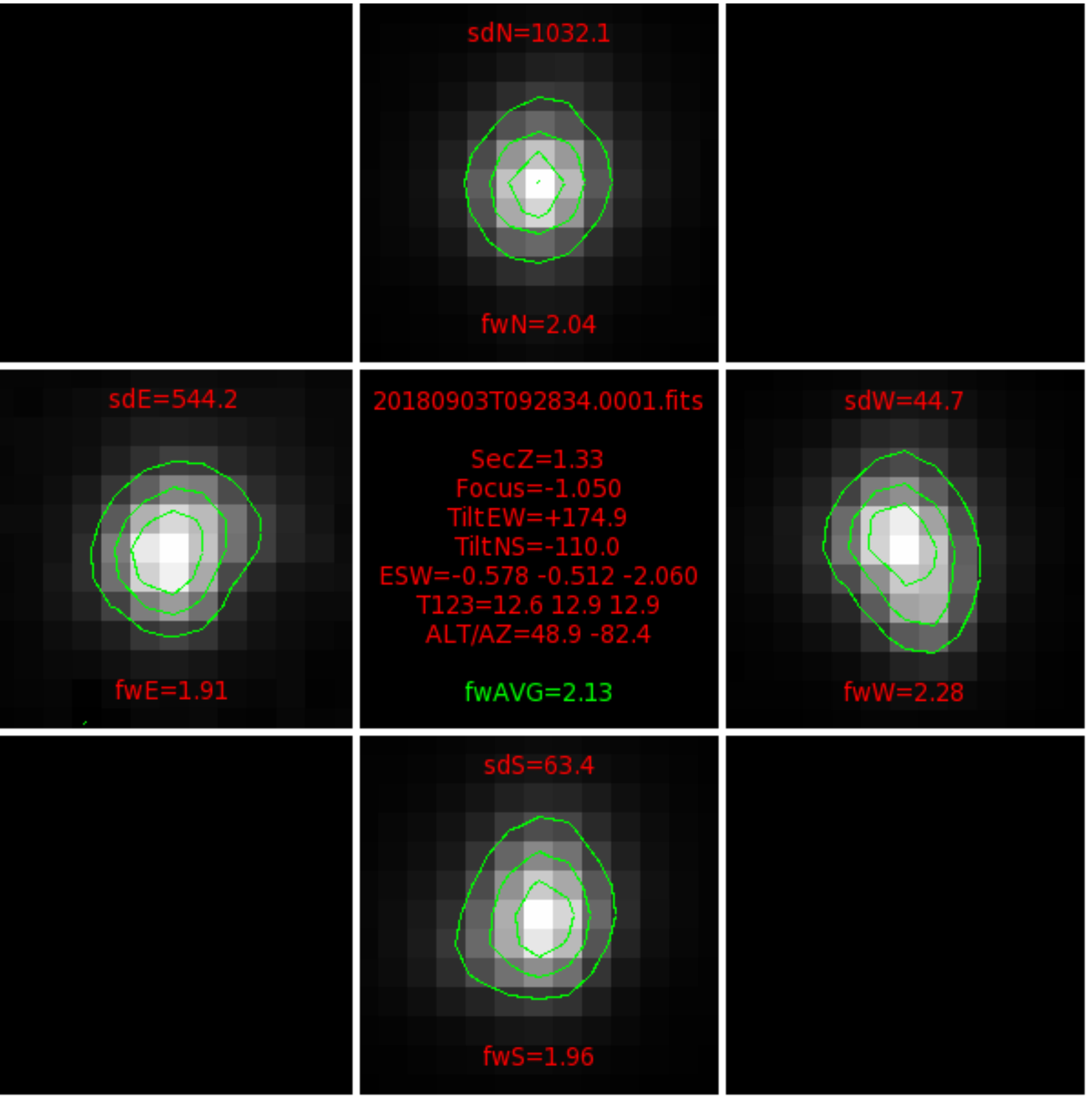
sdN=1032.1
fwN=2.04
sdE=544.2
fwE=1.91
20180903T092834.0001.fits
SecZ=1.33
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.9 12.9
ALT/AZ=48.9 -82.4
fwAVG=2.13
sdW=44.7
fwW=2.28
sdS=63.4
fwS=1.96
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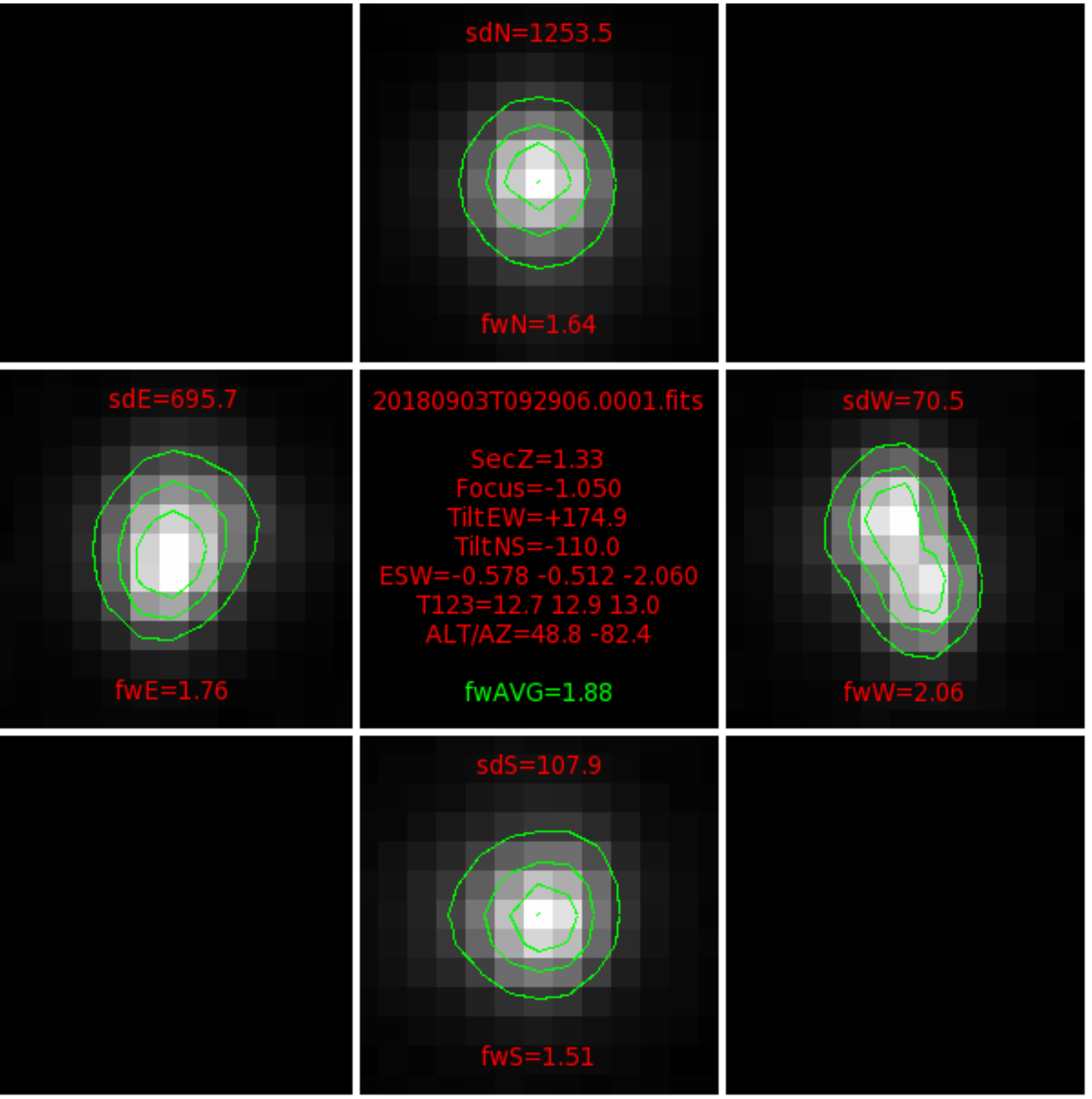
sdN=1253.5
fwN=1.64
sdE=695.7
fwE=1.76
20180903T092906.0001.fits
SecZ=1.33
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.7 12.9 13.0
ALT/AZ=48.8 -82.4
fwAVG=1.88
sdW=70.5
fwW=2.06
sdS=107.9
fwS=1.51
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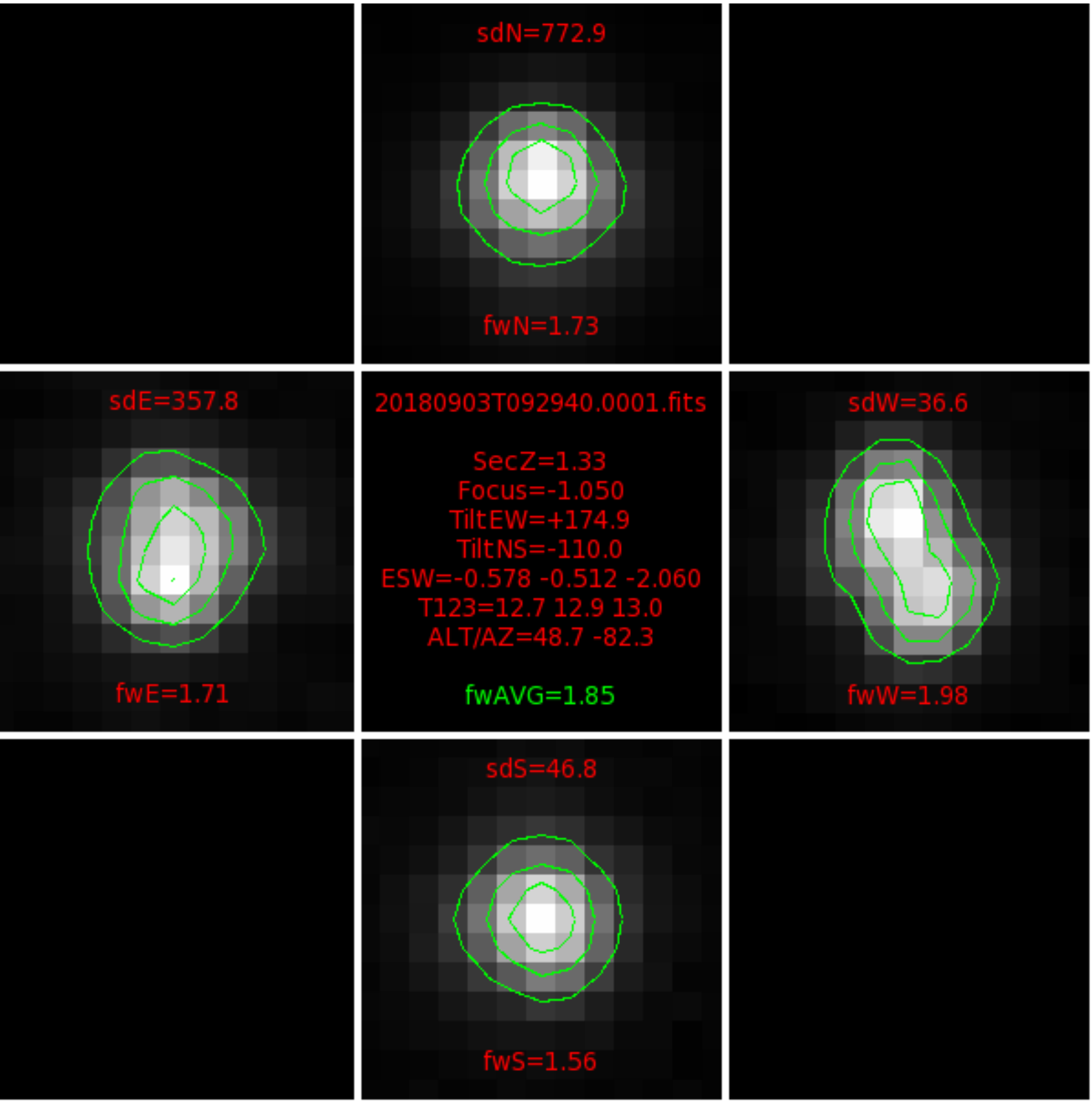
sdN=772.9
fwN=1.73
sdE=357.8
fwE=1.71
20180903T092940.0001.fits
SecZ=1.33
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.7 12.9 13.0
ALT/AZ=48.7 -82.3
fwAVG=1.85
sdW=36.6
fwW=1.98
sdS=46.8
fwS=1.56
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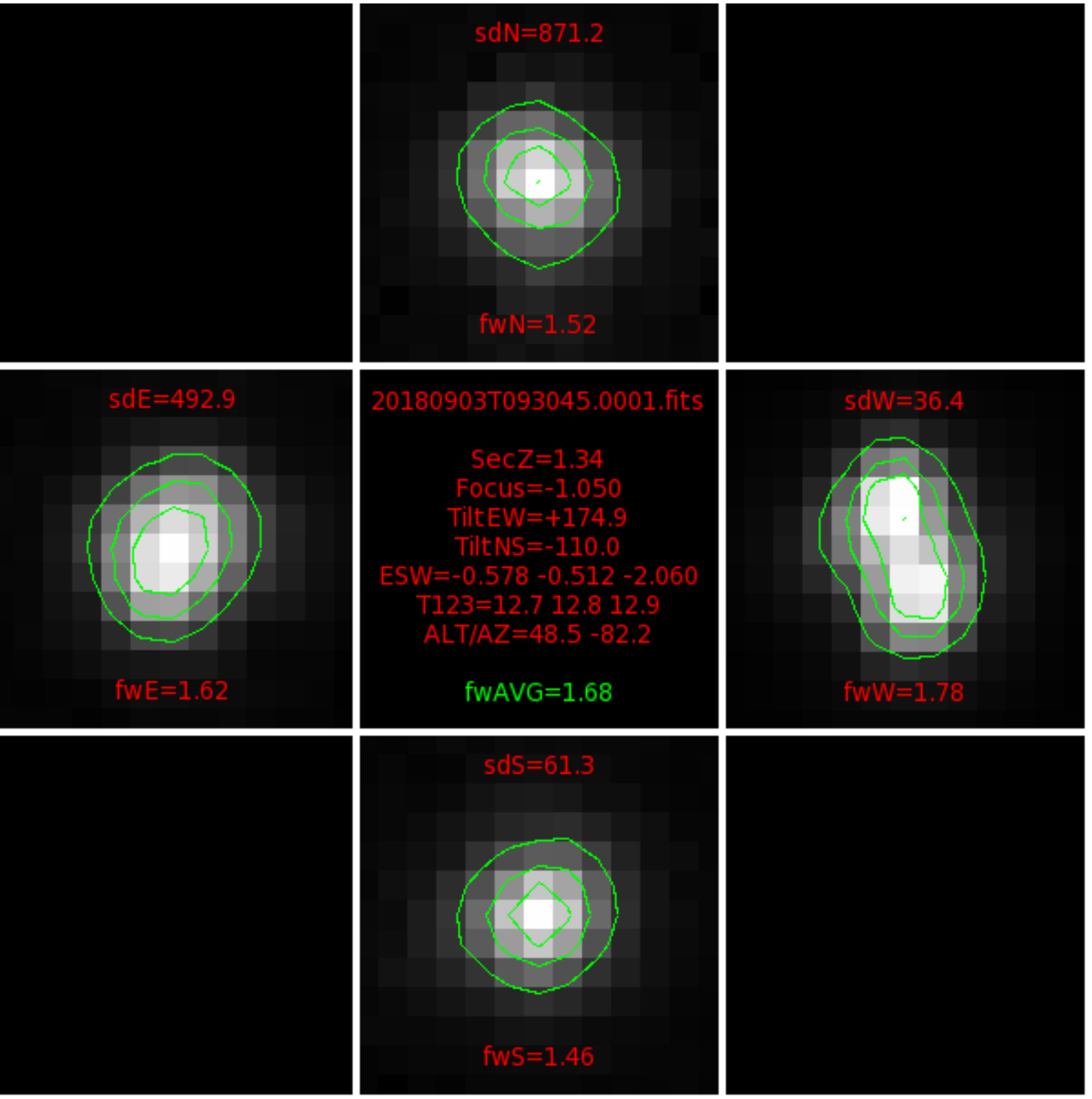
sdN=871.2
fwN=1.52
sdE=492.9
fwE=1.62
20180903T093045.0001.fits
SecZ=1.34
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.7 12.8 12.9
ALT/AZ=48.5 -82.2
fwAVG=1.68
sdW=36.4
fwW=1.78
sdS=61.3
fwS=1.46
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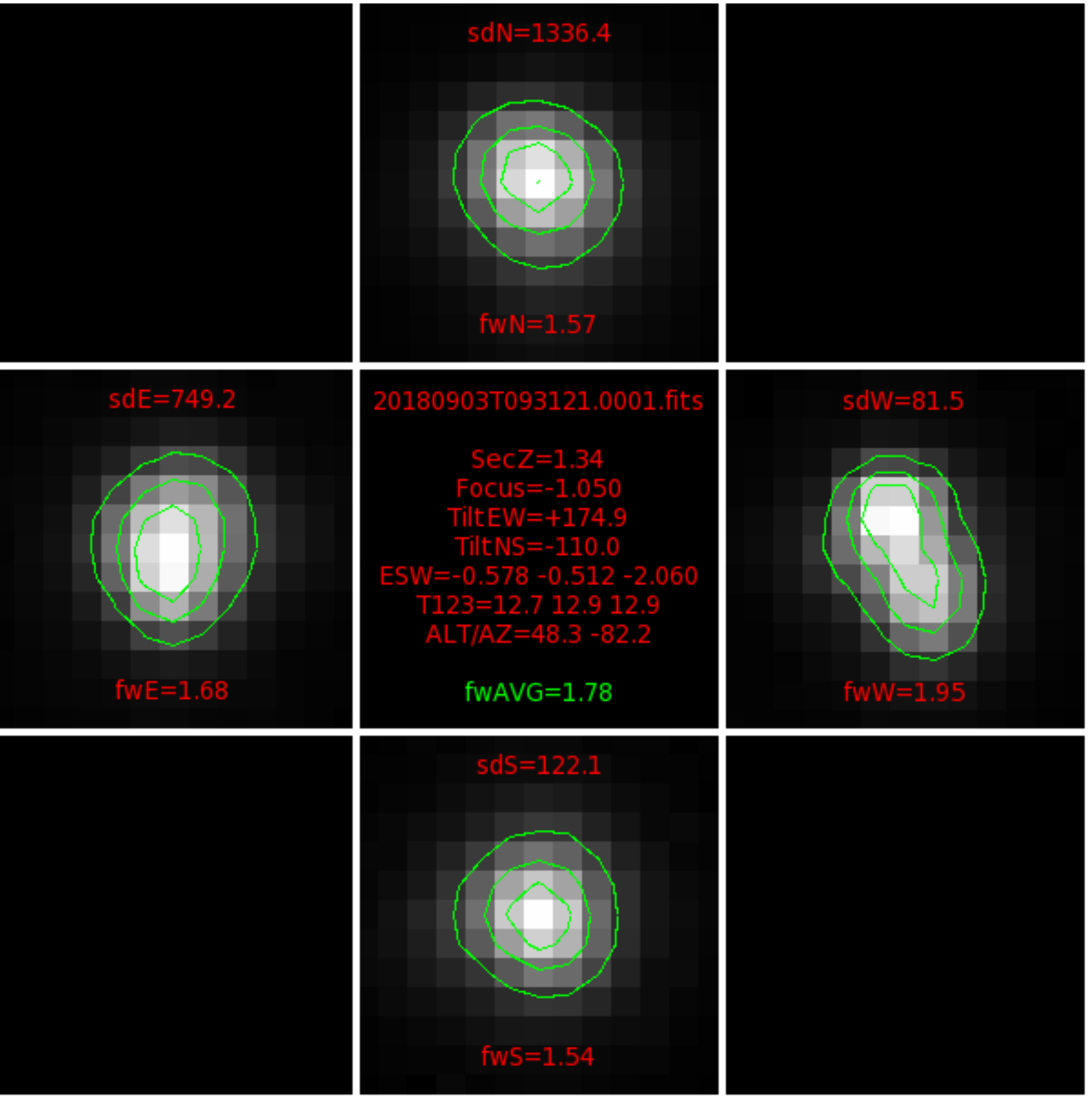
sdN=1336.4
fwN=1.57
sdE=749.2
fwE=1.68
20180903T093121.0001.fits
SecZ=1.34
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.7 12.9 12.9
ALT/AZ=48.3 -82.2
fwAVG=1.78
sdW=81.5
fwW=1.95
sdS=122.1
fwS=1.54
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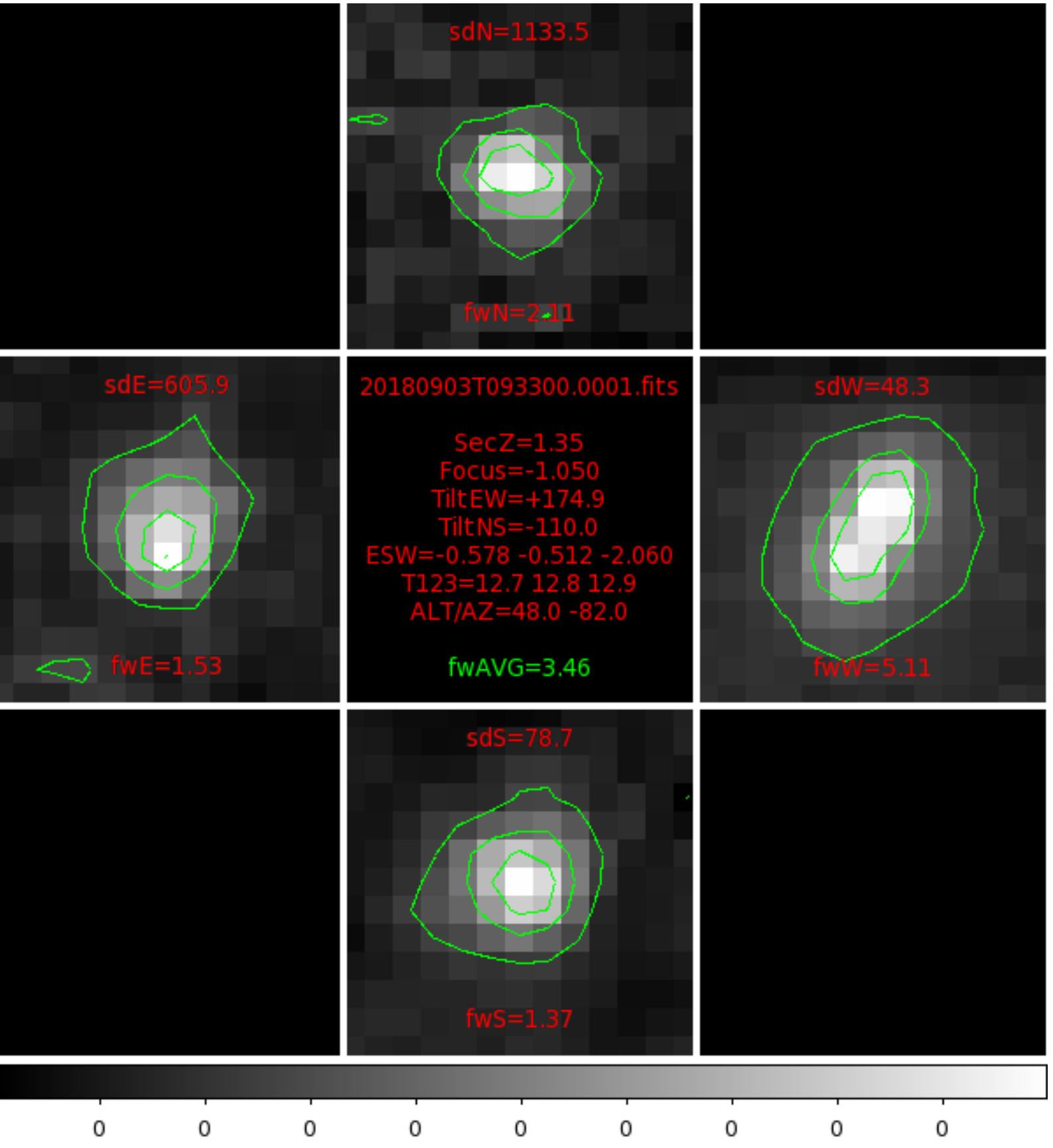
sdN=1133.5
fwN=2.11
sdE=605.9
fwE=1.53
20180903T093300.0001.fits
SecZ=1.35
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.7 12.8 12.9
ALT/AZ=48.0 -82.0
fwAVG=3.46
sdW=48.3
fwW=5.11
sdS=78.7
fwS=1.37
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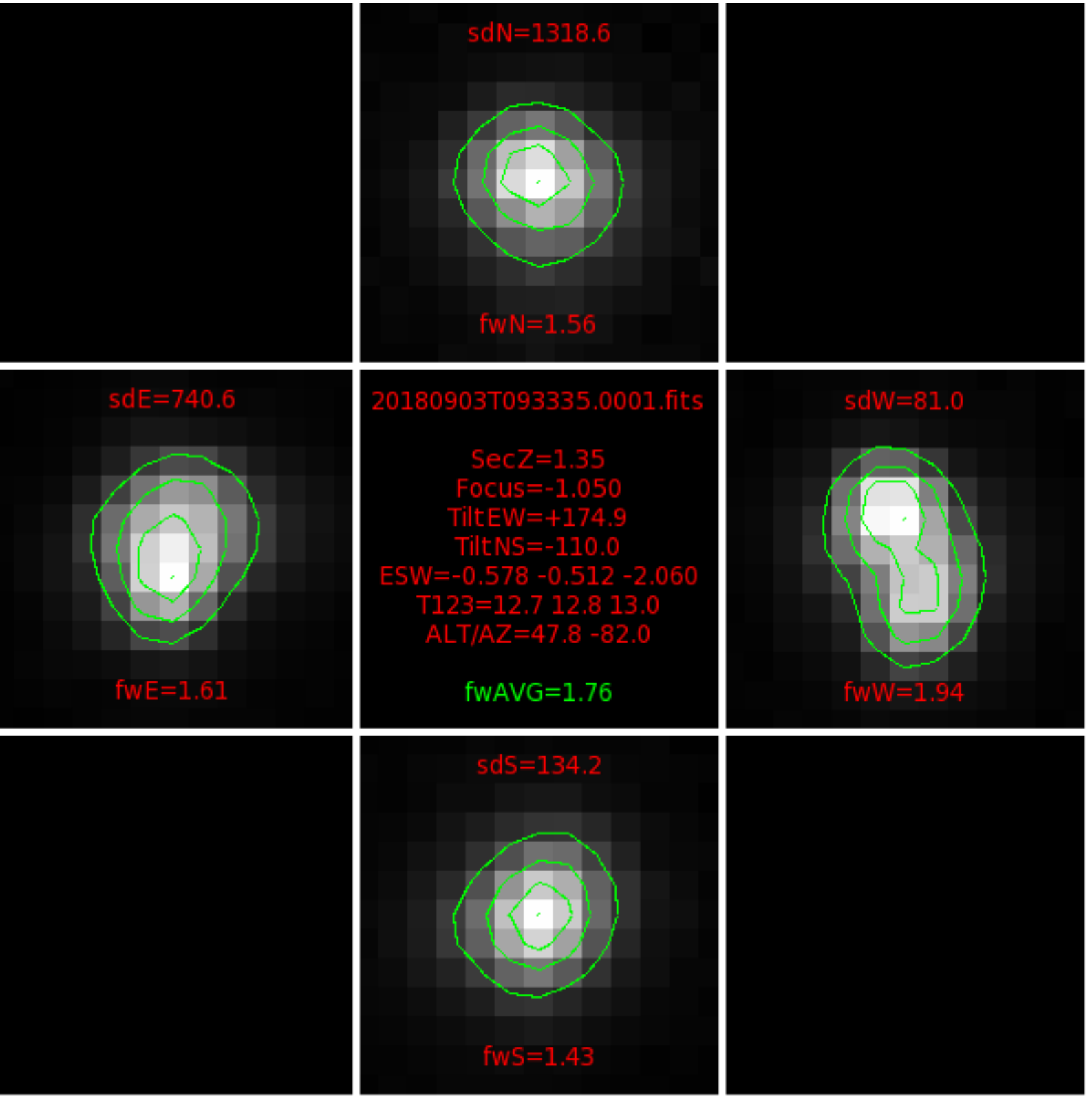
sdN=1318.6
fwN=1.56
sdE=740.6
fwE=1.61
20180903T093335.0001.fits
SecZ=1.35
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.7 12.8 13.0
ALT/AZ=47.8 -82.0
fwAVG=1.76
sdW=81.0
fwW=1.94
sdS=134.2
fwS=1.43
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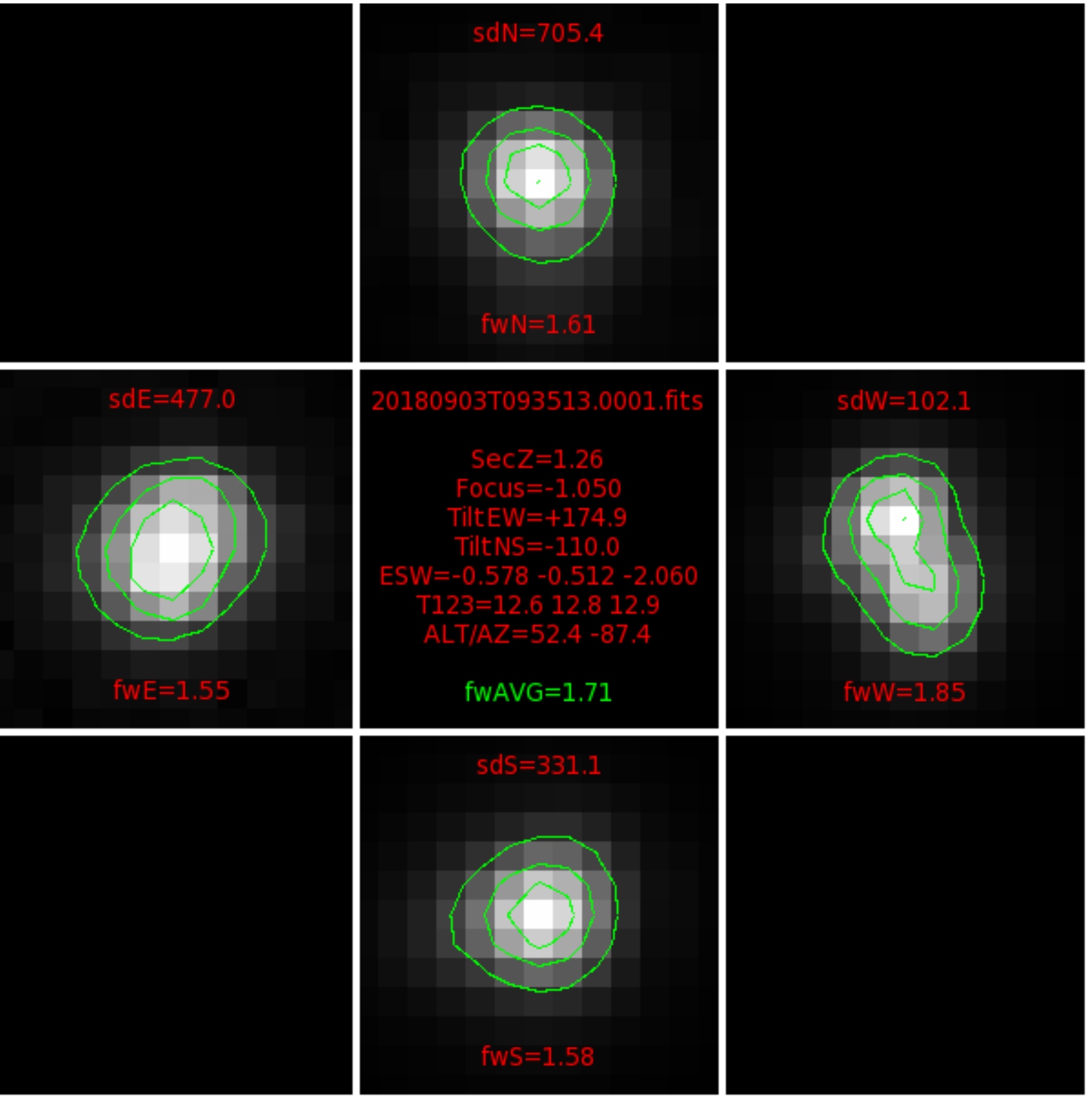
sdN=705.4
fwN=1.61
sdE=477.0
fwE=1.55
20180903T093513.0001.fits
SecZ=1.26
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.8 12.9
ALT/AZ=52.4 -87.4
fwAVG=1.71
sdW=102.1
fwW=1.85
sdS=331.1
fwS=1.58
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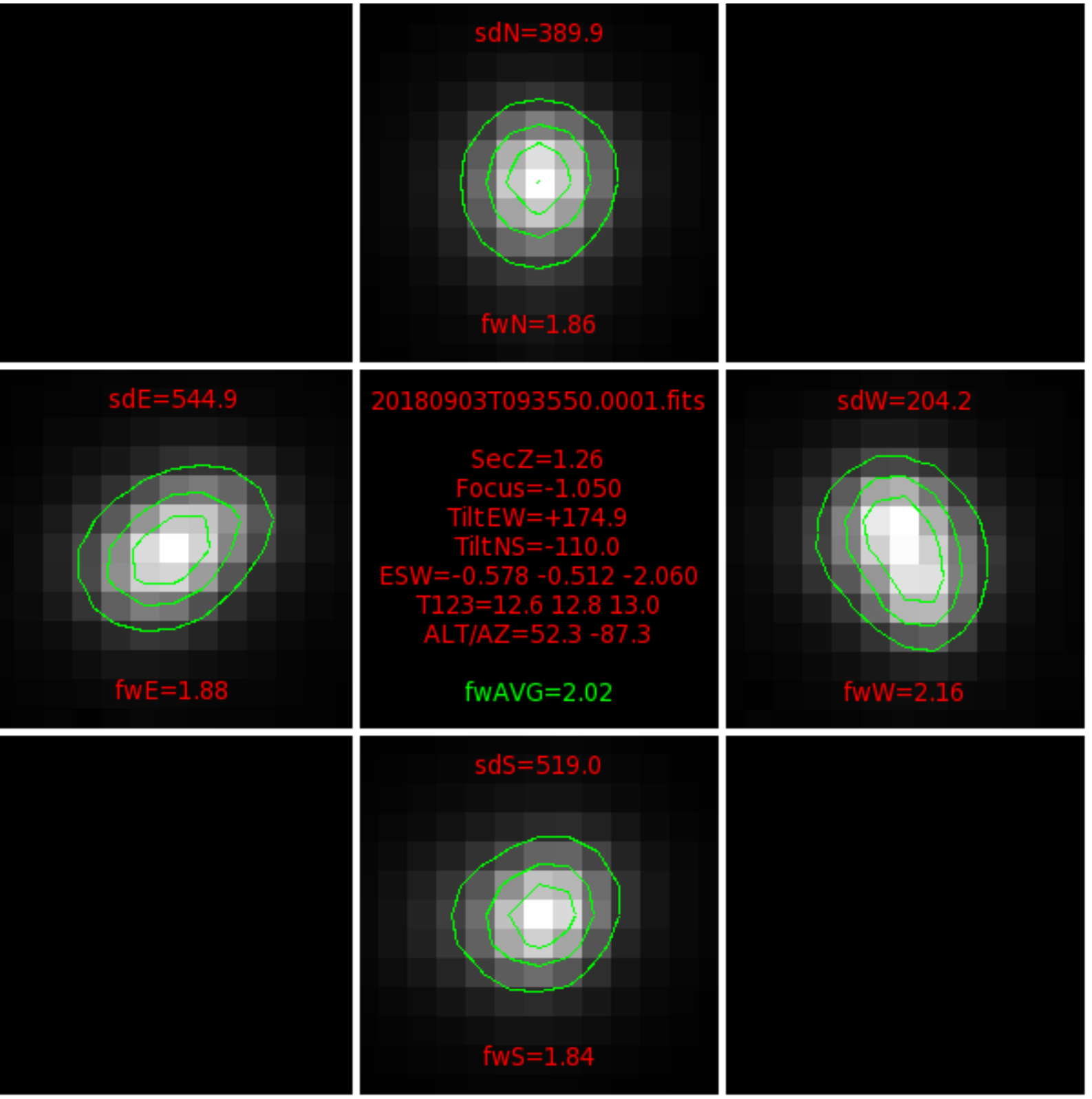
sdN=389.9
fwN=1.86
sdE=544.9
fwE=1.88
20180903T093550.0001.fits
SecZ=1.26
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.8 13.0
ALT/AZ=52.3 -87.3
fwAVG=2.02
sdW=204.2
fwW=2.16
sdS=519.0
fwS=1.84
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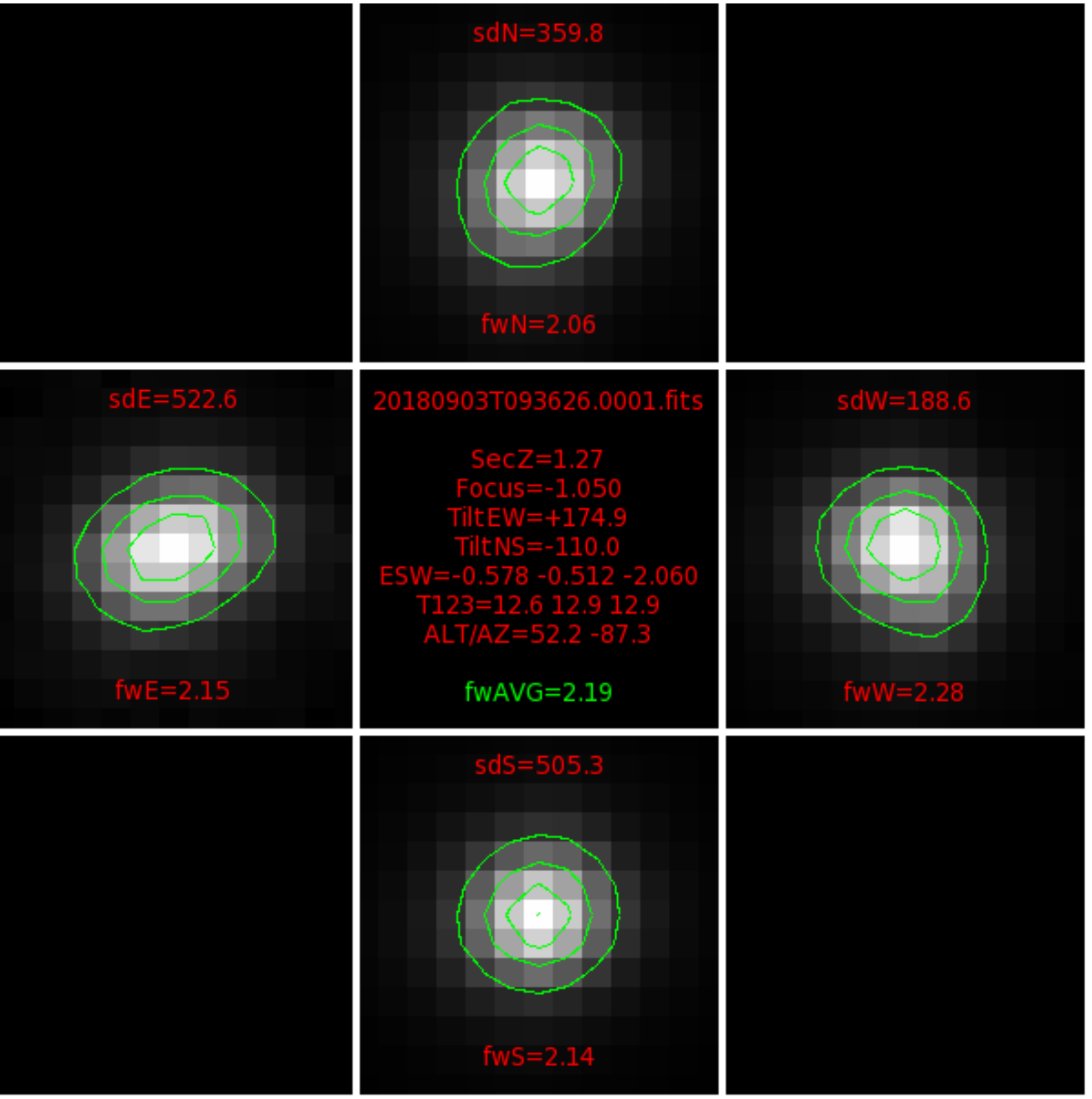
sdN=359.8
fwN=2.06
sdE=522.6
fwE=2.15
20180903T093626.0001.fits
SecZ=1.27
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.9 12.9
ALT/AZ=52.2 -87.3
fwAVG=2.19
sdW=188.6
fwW=2.28
sdS=505.3
fwS=2.14
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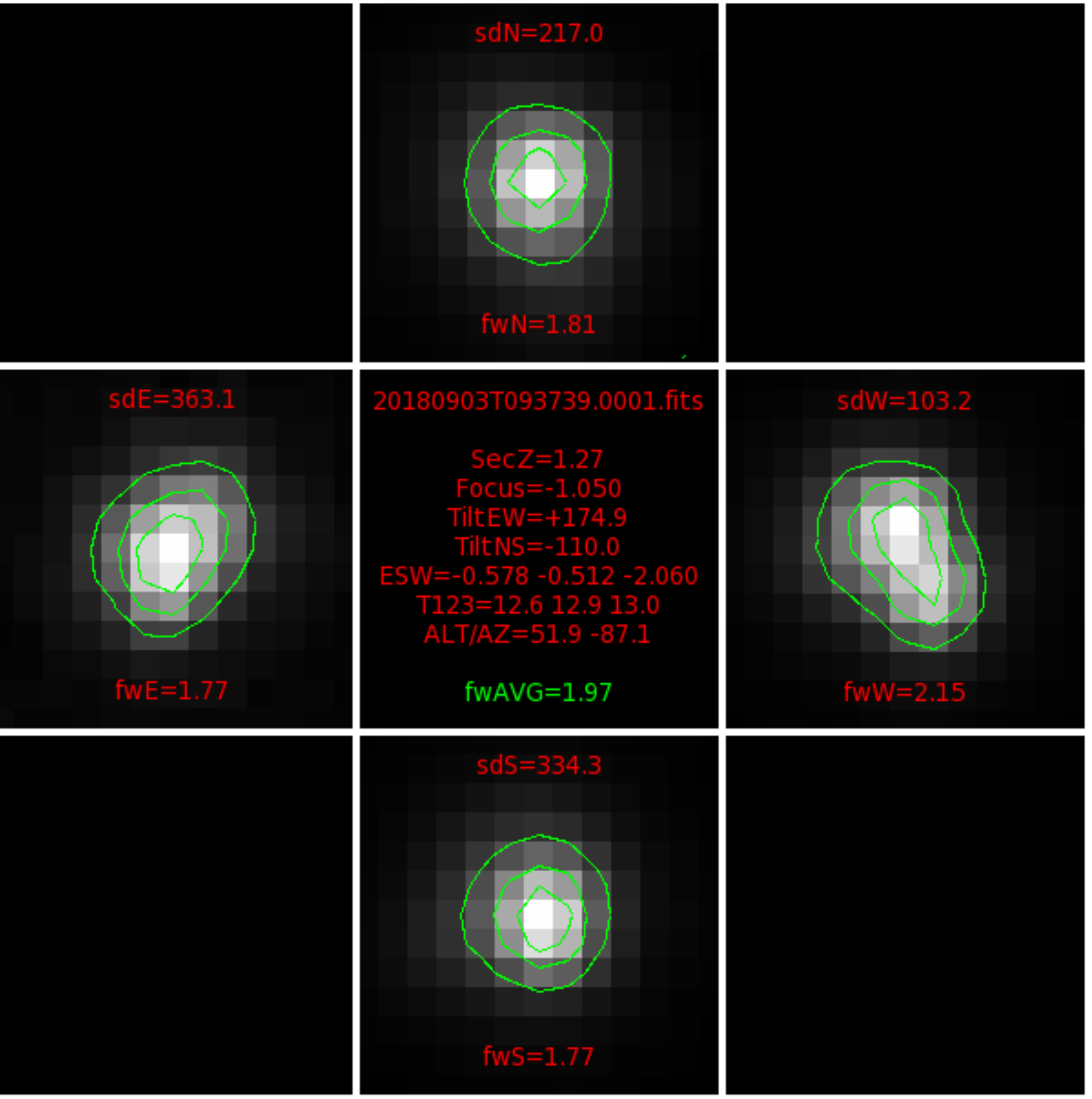
sdN=217.0
fwN=1.81
sdE=363.1
fwE=1.77
20180903T093739.0001.fits
SecZ=1.27
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.9 13.0
ALT/AZ=51.9 -87.1
fwAVG=1.97
sdW=103.2
fwW=2.15
sdS=334.3
fwS=1.77
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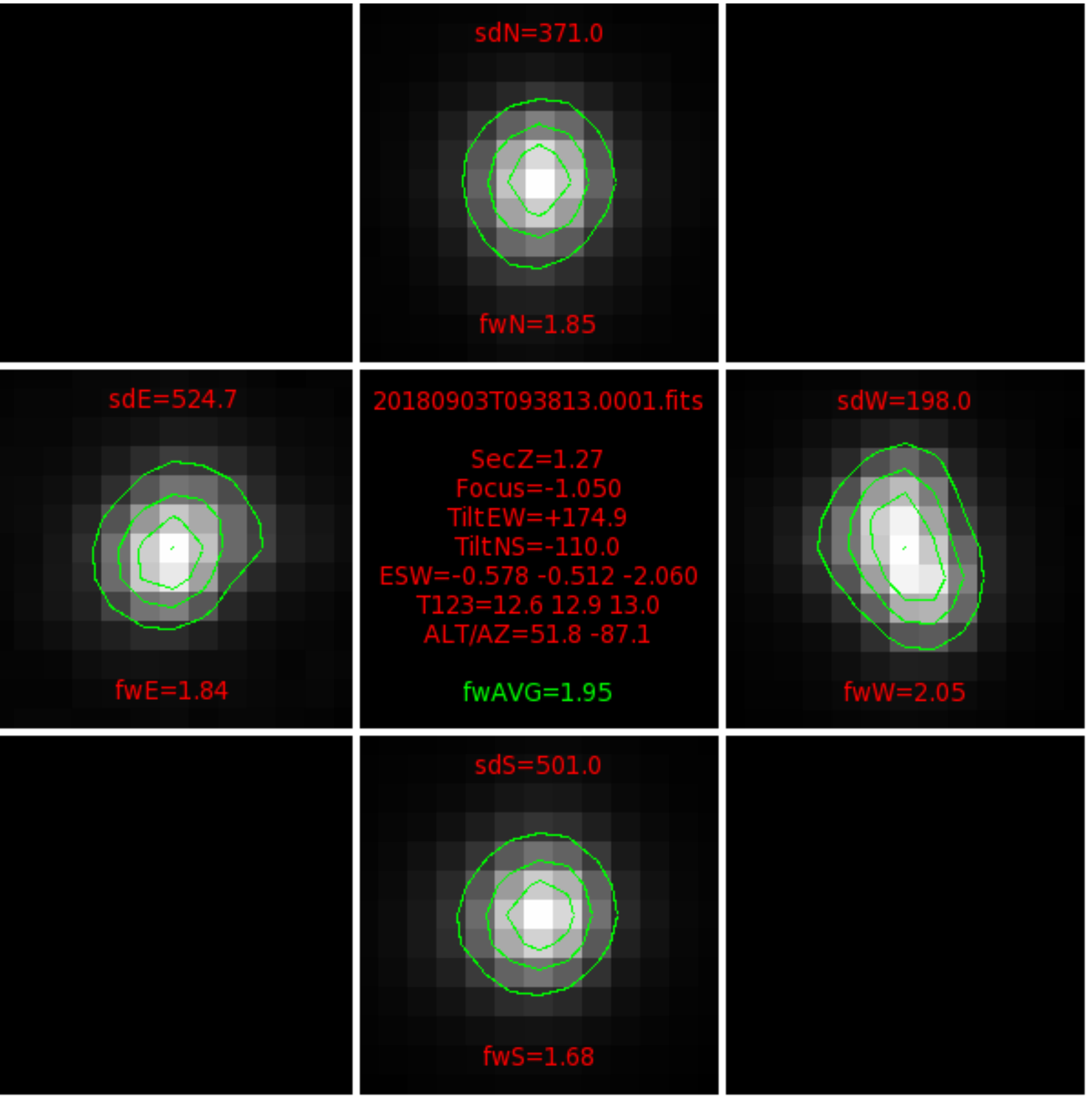
sdN=371.0
fwN=1.85
sdE=524.7
fwE=1.84
20180903T093813.0001.fits
SecZ=1.27
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.9 13.0
ALT/AZ=51.8 -87.1
fwAVG=1.95
sdW=198.0
fwW=2.05
sdS=501.0
fwS=1.68
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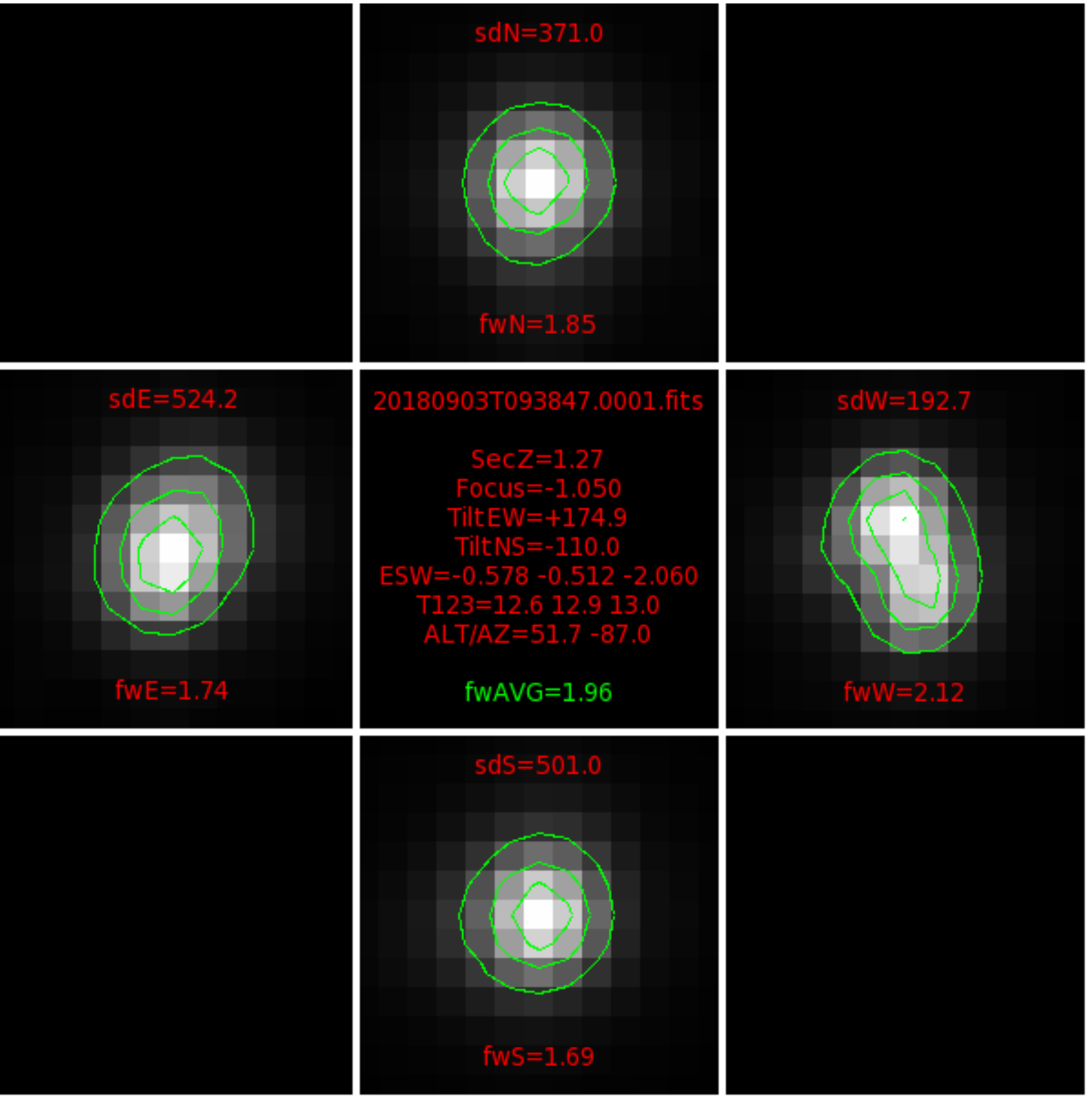
sdN=371.0
fwN=1.85
sdE=524.2
fwE=1.74
20180903T093847.0001.fits
SecZ=1.27
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.9 13.0
ALT/AZ=51.7 -87.0
fwAVG=1.96
sdW=192.7
fwW=2.12
sdS=501.0
fwS=1.69
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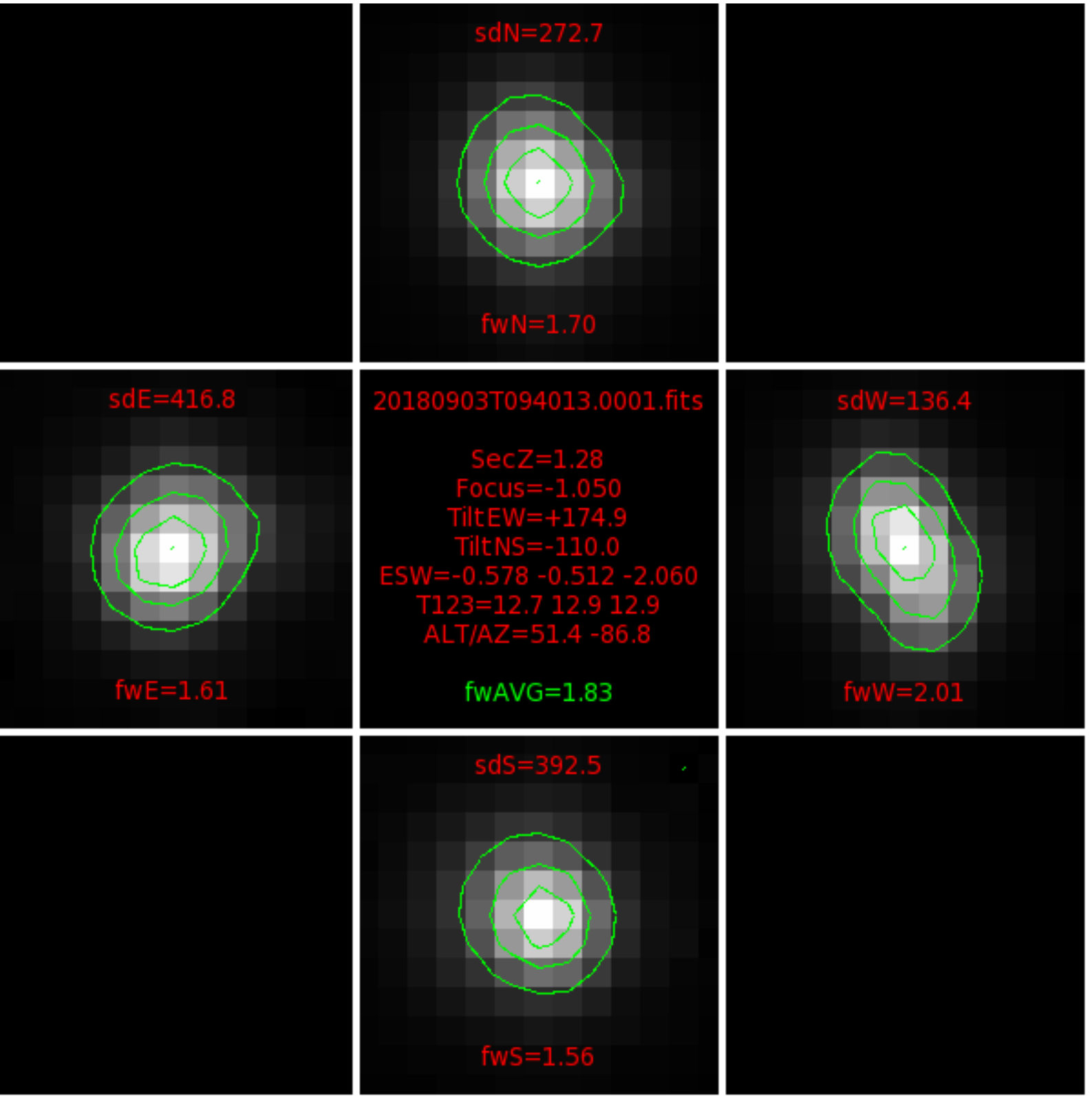
sdN=272.7
fwN=1.70
sdE=416.8
fwE=1.61
20180903T094013.0001.fits
SecZ=1.28
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.7 12.9 12.9
ALT/AZ=51.4 -86.8
fwAVG=1.83
sdW=136.4
fwW=2.01
sdS=392.5
fwS=1.56
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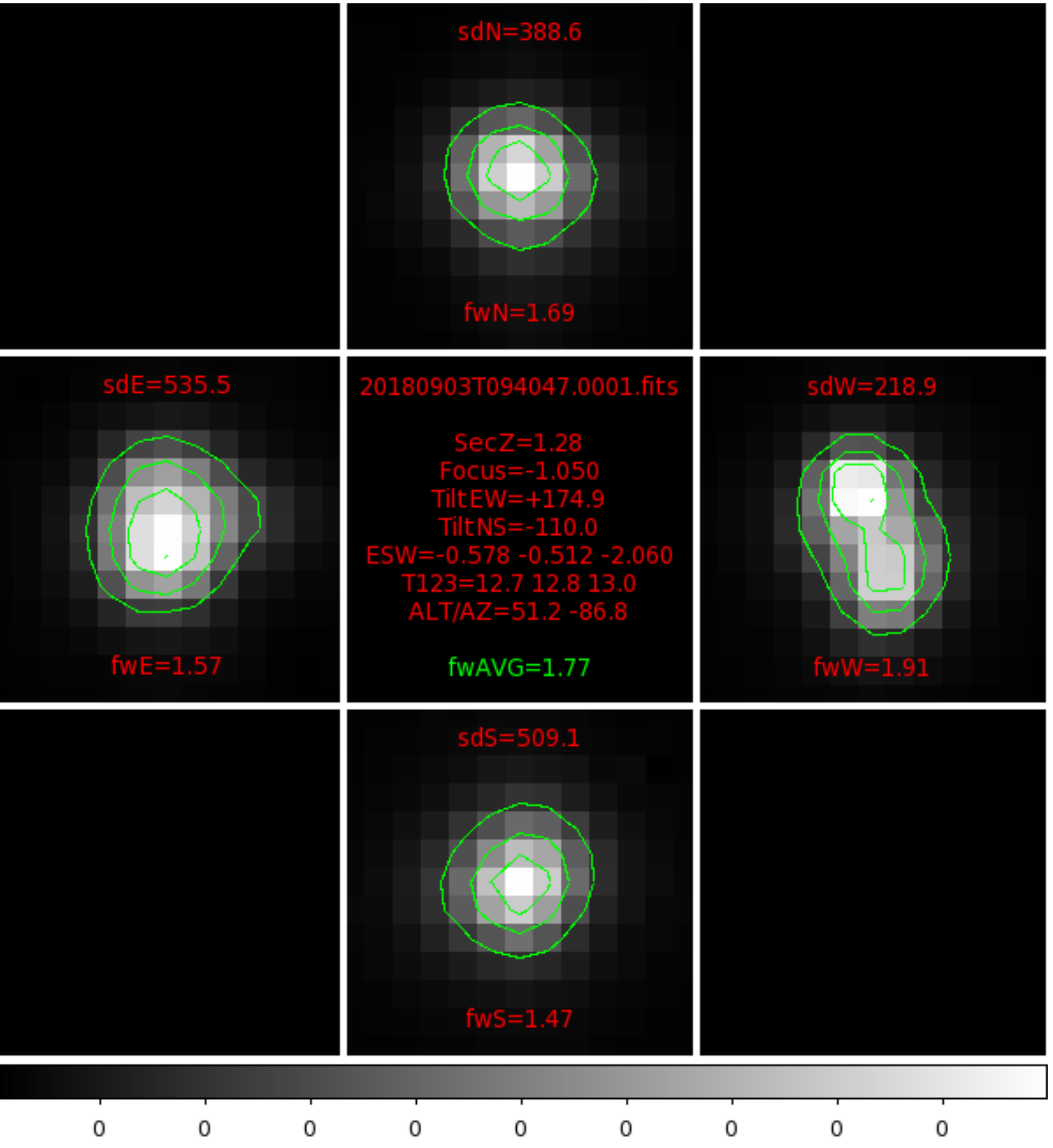
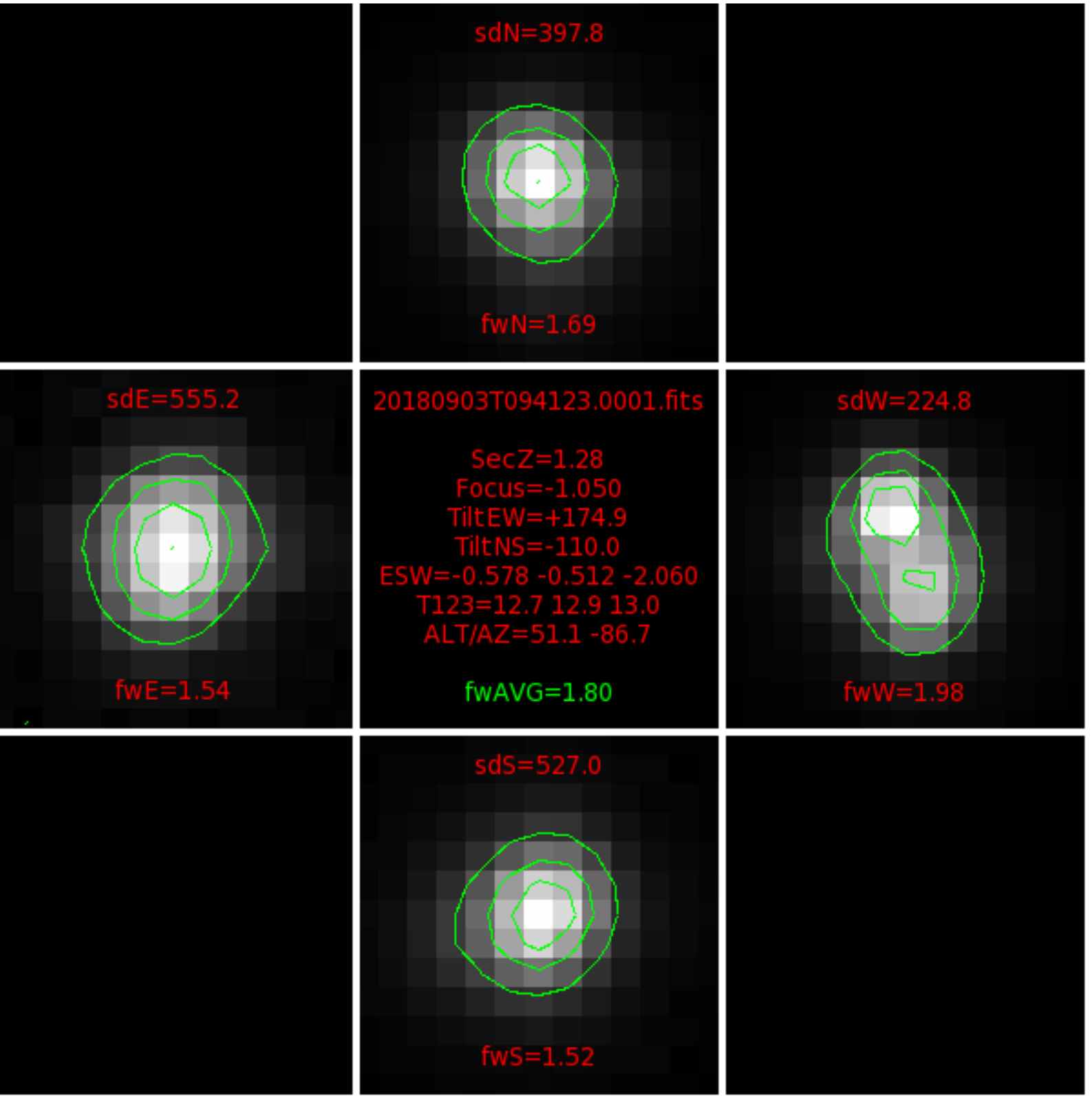

sdN=388.6
fwN=1.69
sdE=535.5
fwE=1.57
20180903T094047.0001.fits
SecZ=1.28
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.7 12.8 13.0
ALT/AZ=51.2 -86.8
fwAVG=1.77
sdW=218.9
fwW=1.91
sdS=509.1
fwS=1.47
0 0 0 0 0 0 0 0 0


sdN=397.8
fwN=1.69
sdE=555.2
fwE=1.54
20180903T094123.0001.fits
SecZ=1.28
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.7 12.9 13.0
ALT/AZ=51.1 -86.7
fwAVG=1.80
sdW=224.8
fwW=1.98
sdS=527.0
fwS=1.52
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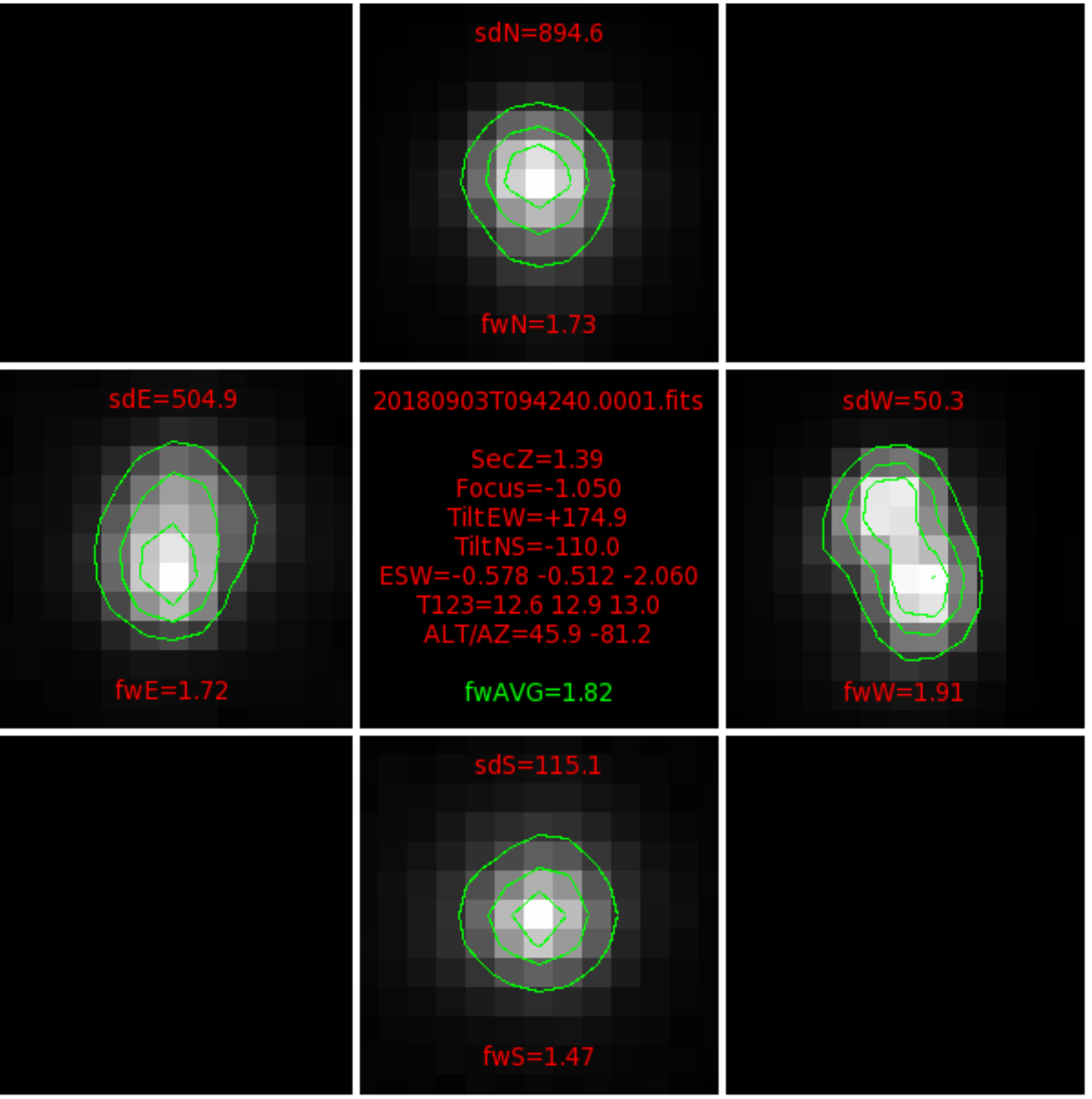
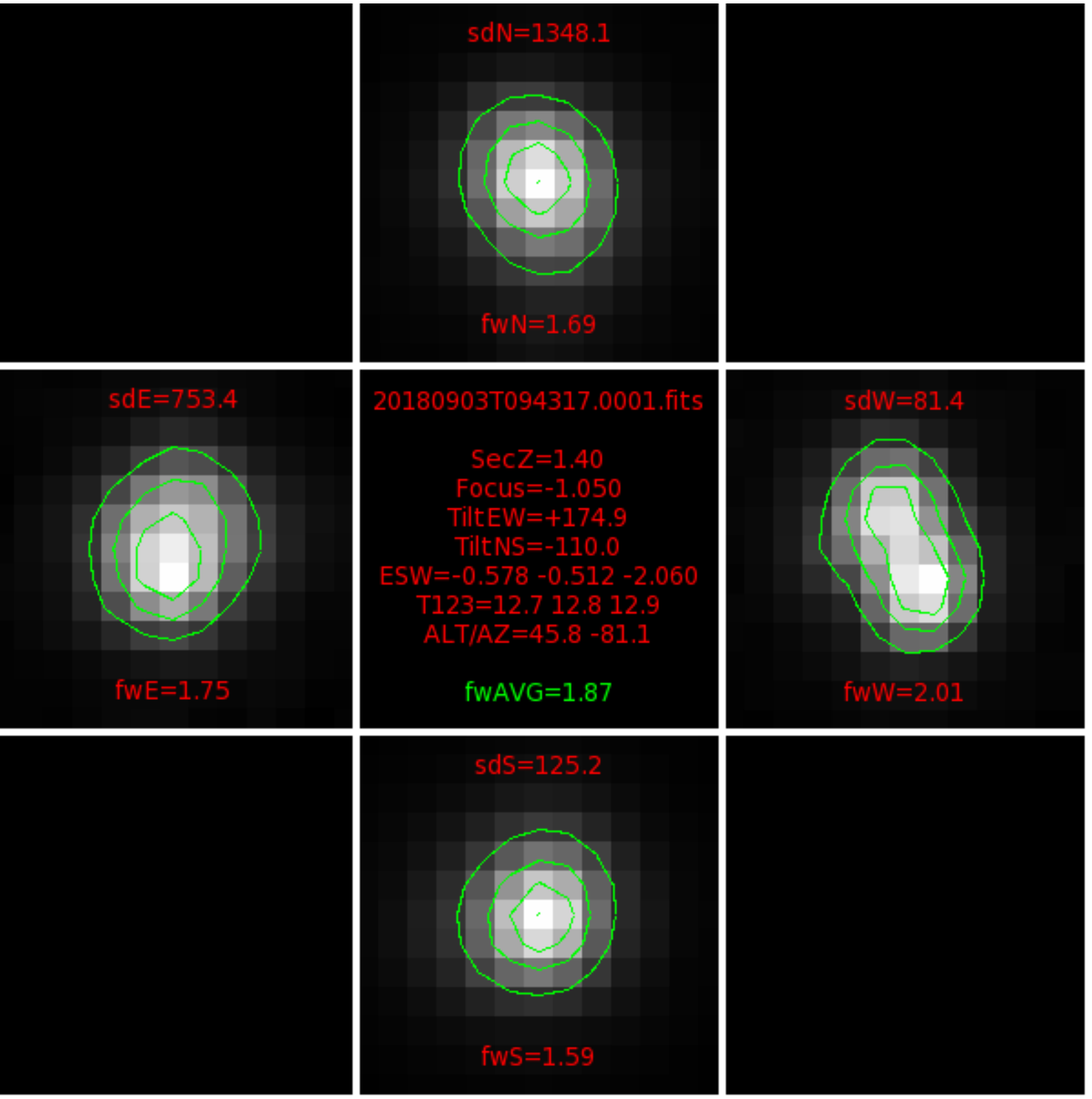

sdN=894.6
fwN=1.73
sdE=504.9
fwE=1.72
20180903T094240.0001.fits
SecZ=1.39
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.9 13.0
ALT/AZ=45.9 -81.2
fwAVG=1.82
sdW=50.3
fwW=1.91
sdS=115.1
fwS=1.47
0 0 0 0 0 0 0 0 0


sdN=1348.1
fwN=1.69
sdE=753.4
fwE=1.75
20180903T094317.0001.fits
SecZ=1.40
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.7 12.8 12.9
ALT/AZ=45.8 -81.1
fwAVG=1.87
sdW=81.4
fwW=2.01
sdS=125.2
fwS=1.59
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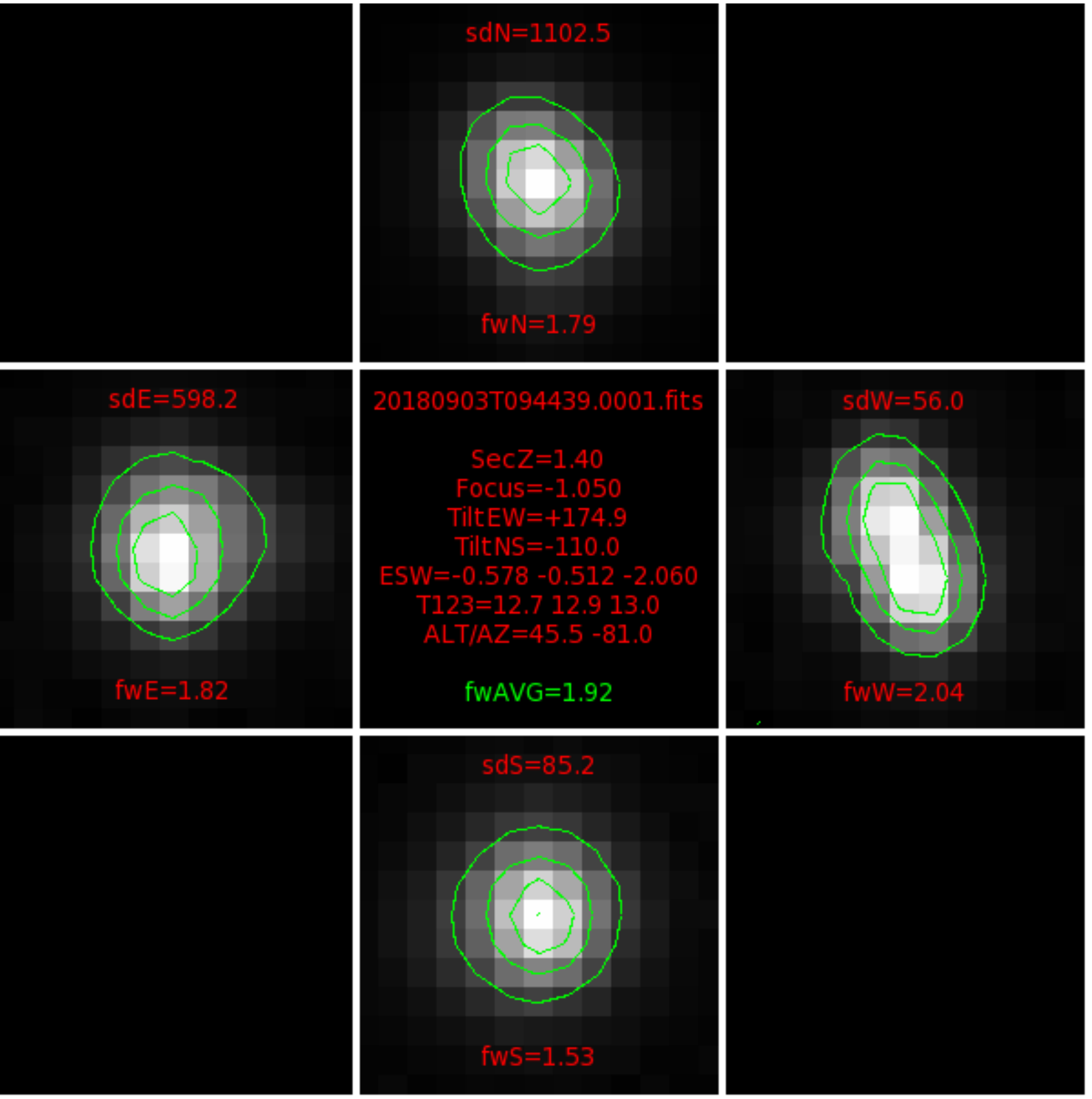
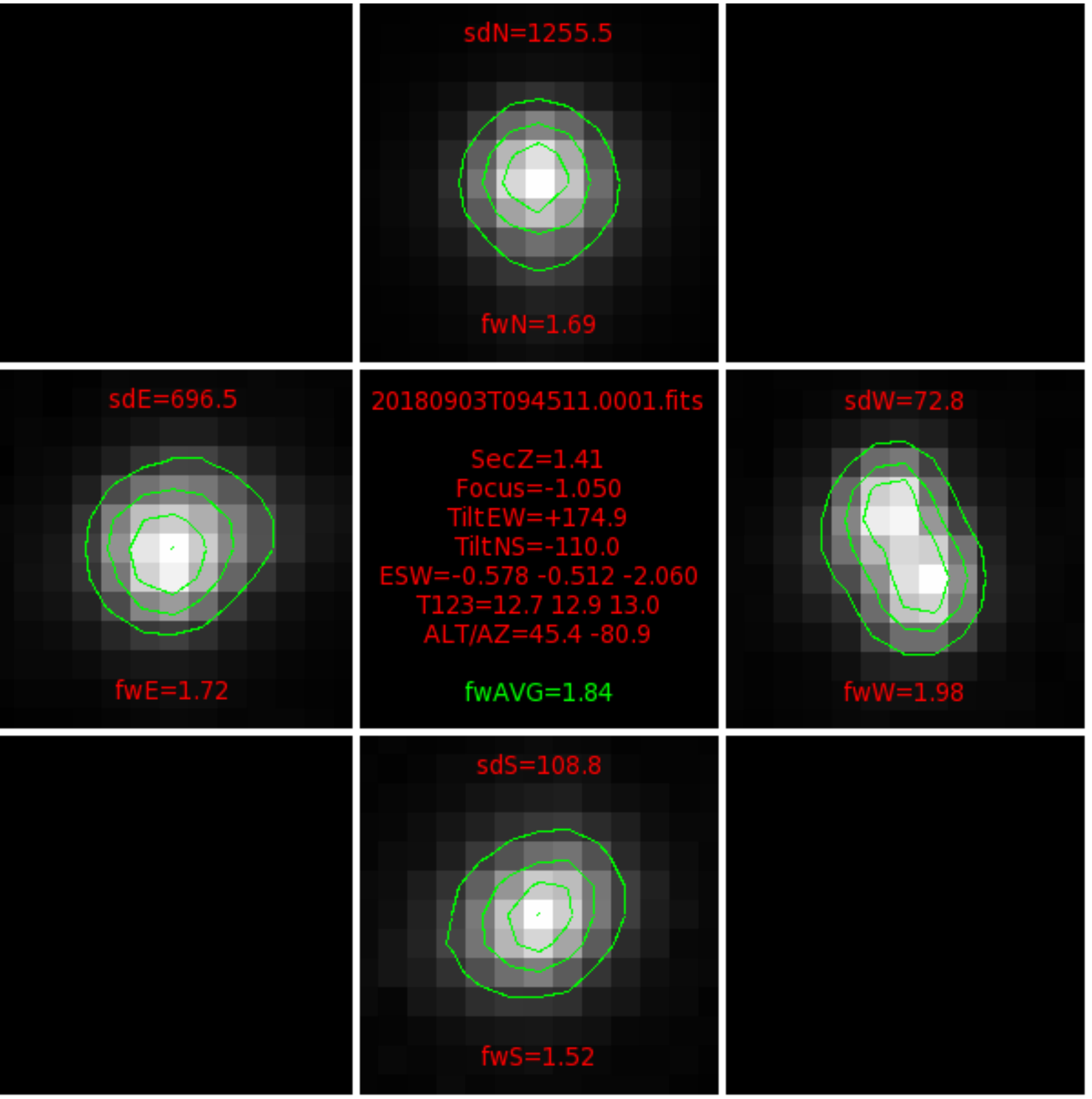

sdN=1102.5
fwN=1.79
sdE=598.2
fwE=1.82
20180903T094439.0001.fits
SecZ=1.40
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.7 12.9 13.0
ALT/AZ=45.5 -81.0
fwAVG=1.92
sdW=56.0
fwW=2.04
sdS=85.2
fwS=1.53
0 0 0 0 0 0 0 0 0


sdN=1255.5
fwN=1.69
sdE=696.5
fwE=1.72
20180903T094511.0001.fits
SecZ=1.41
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.7 12.9 13.0
ALT/AZ=45.4 -80.9
fwAVG=1.84
sdW=72.8
fwW=1.98
sdS=108.8
fwS=1.52
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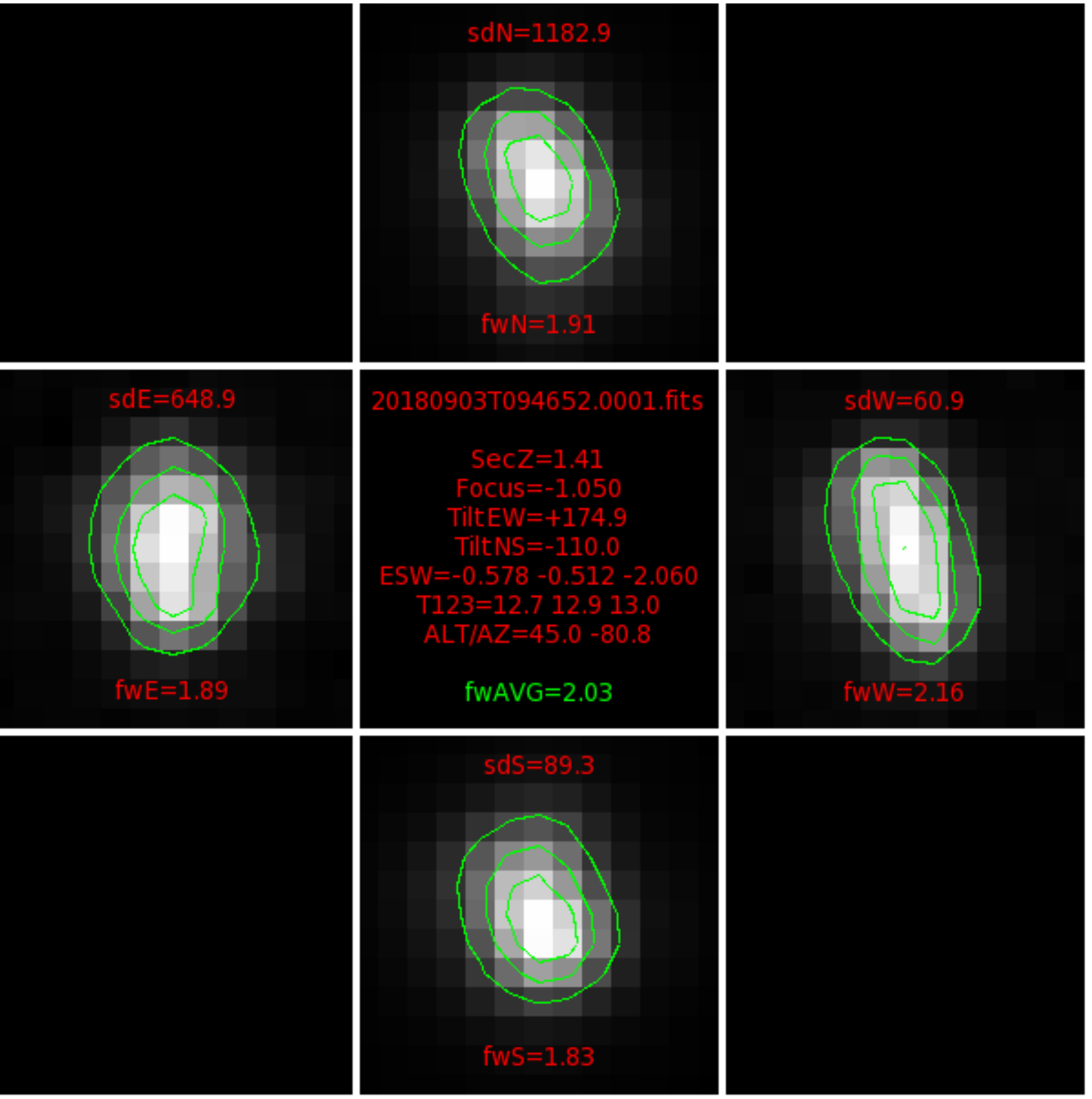
sdN=1182.9
fwN=1.91
sdE=648.9
fwE=1.89
20180903T094652.0001.fits
SecZ=1.41
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.7 12.9 13.0
ALT/AZ=45.0 -80.8
fwAVG=2.03
sdW=60.9
fwW=2.16
sdS=89.3
fwS=1.83
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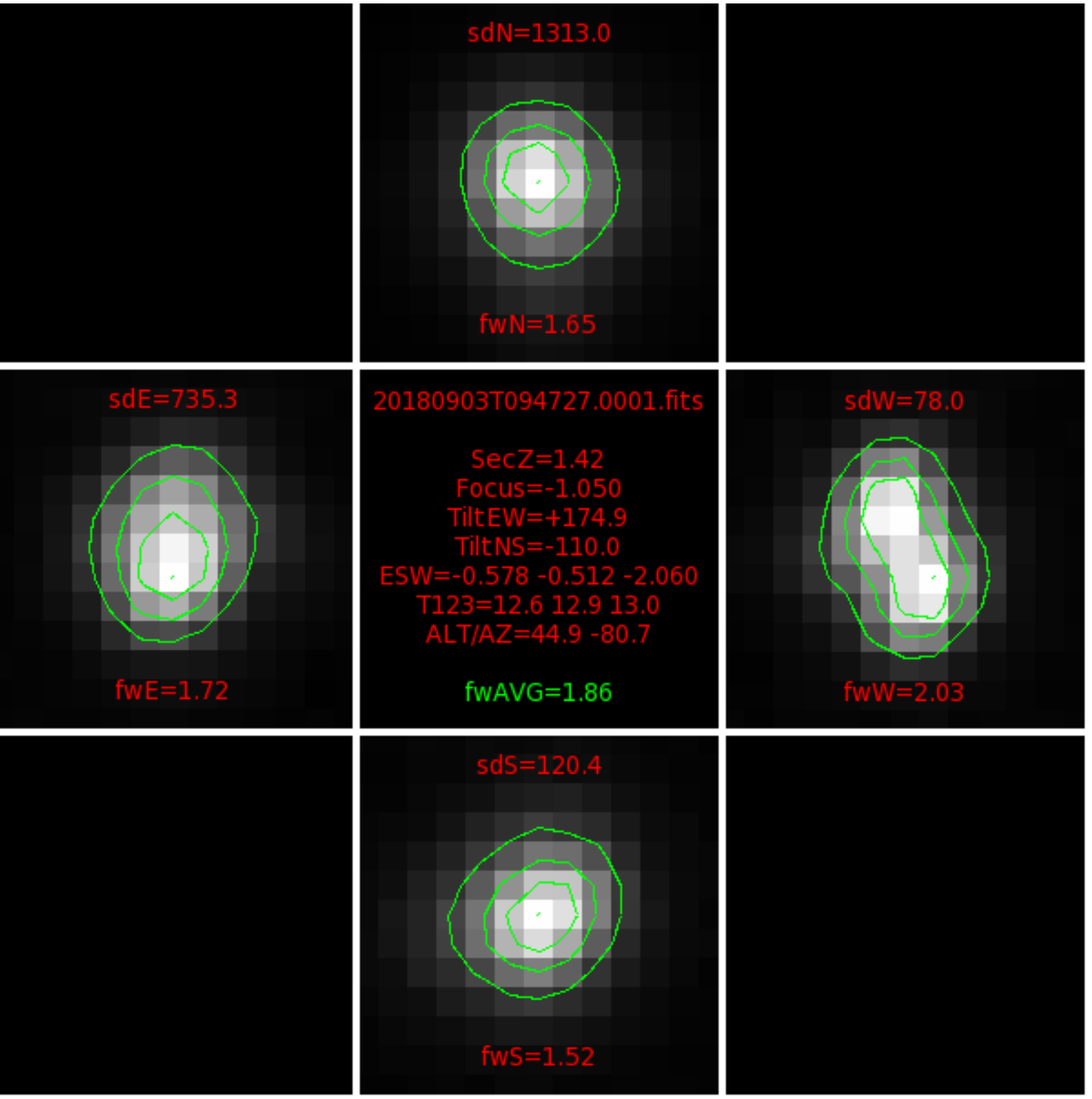
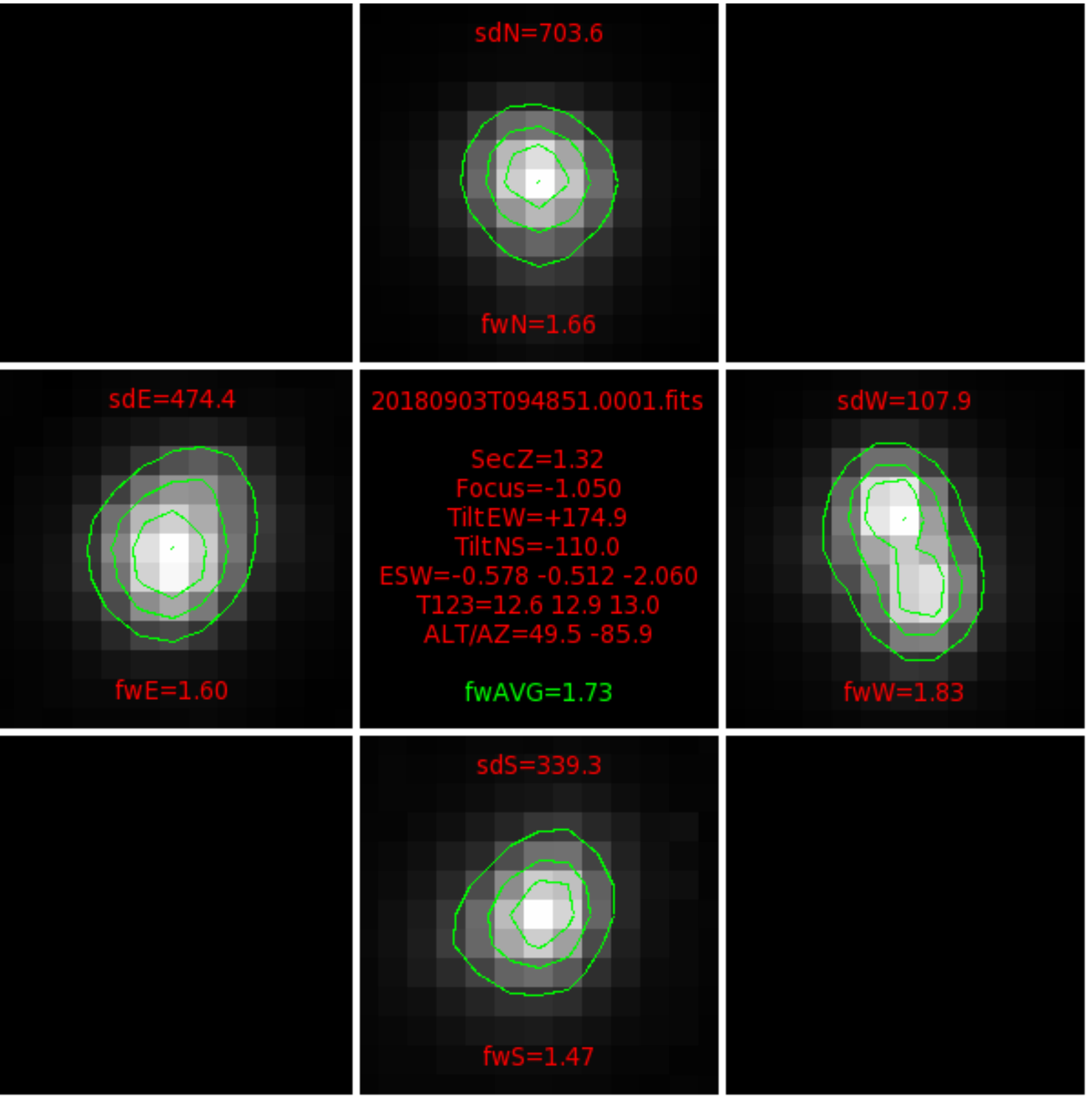

sdN=1313.0
fwN=1.65
sdE=735.3
fwE=1.72
20180903T094727.0001.fits
SecZ=1.42
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.9 13.0
ALT/AZ=44.9 -80.7
fwAVG=1.86
sdW=78.0
fwW=2.03
sdS=120.4
fwS=1.52
0 0 0 0 0 0 0 0 0


sdN=703.6
fwN=1.66
sdE=474.4
fwE=1.60
20180903T094851.0001.fits
SecZ=1.32
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.9 13.0
ALT/AZ=49.5 -85.9
fwAVG=1.73
sdW=107.9
fwW=1.83
sdS=339.3
fwS=1.47
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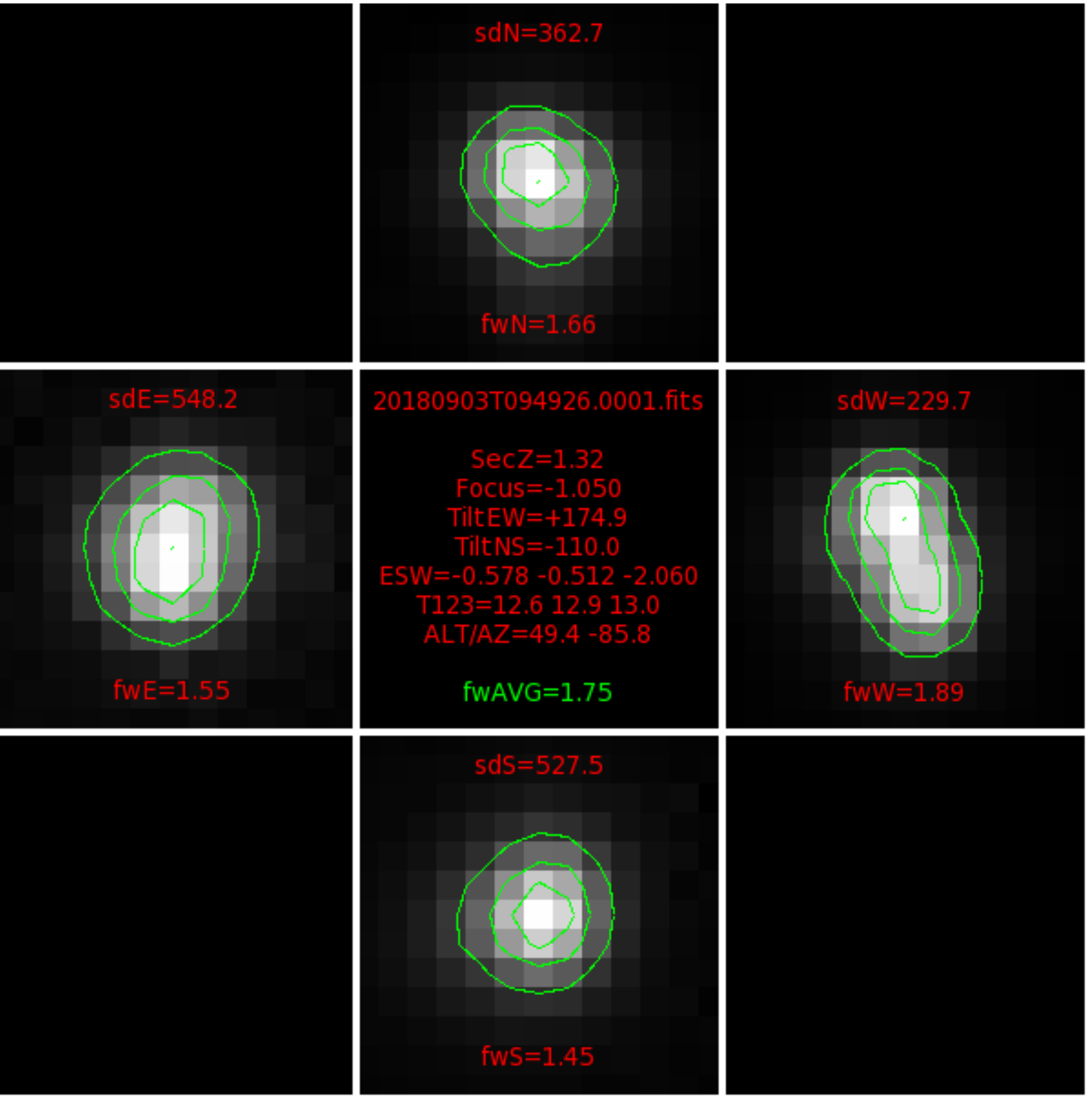
sdN=362.7
fwN=1.66
sdE=548.2
fwE=1.55
20180903T094926.0001.fits
SecZ=1.32
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.9 13.0
ALT/AZ=49.4 -85.8
fwAVG=1.75
sdW=229.7
fwW=1.89
sdS=527.5
fwS=1.45
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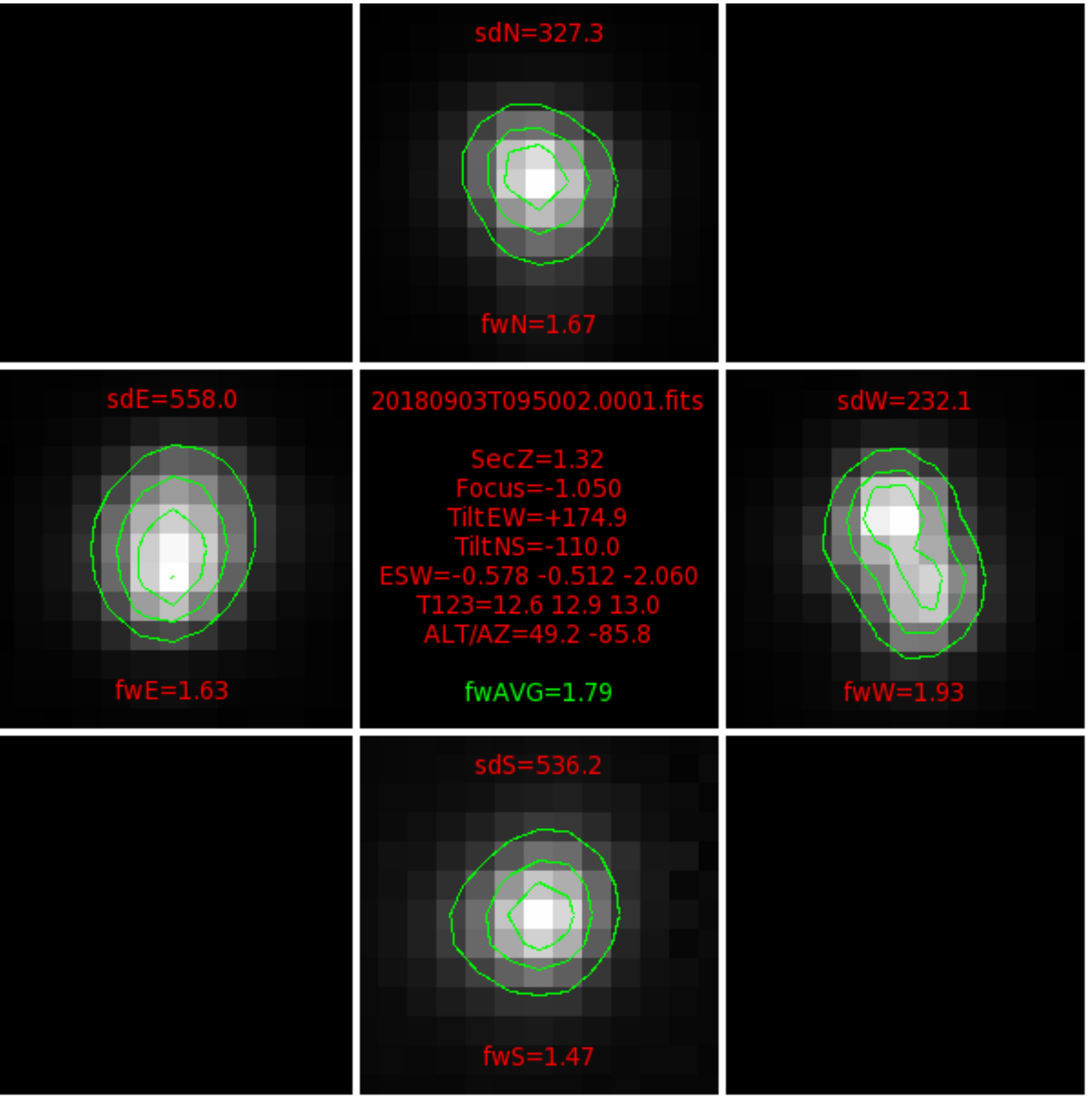
sdN=327.3
fwN=1.67
sdE=558.0
fwE=1.63
20180903T095002.0001.fits
SecZ=1.32
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.9 13.0
ALT/AZ=49.2 -85.8
fwAVG=1.79
sdW=232.1
fwW=1.93
sdS=536.2
fwS=1.47
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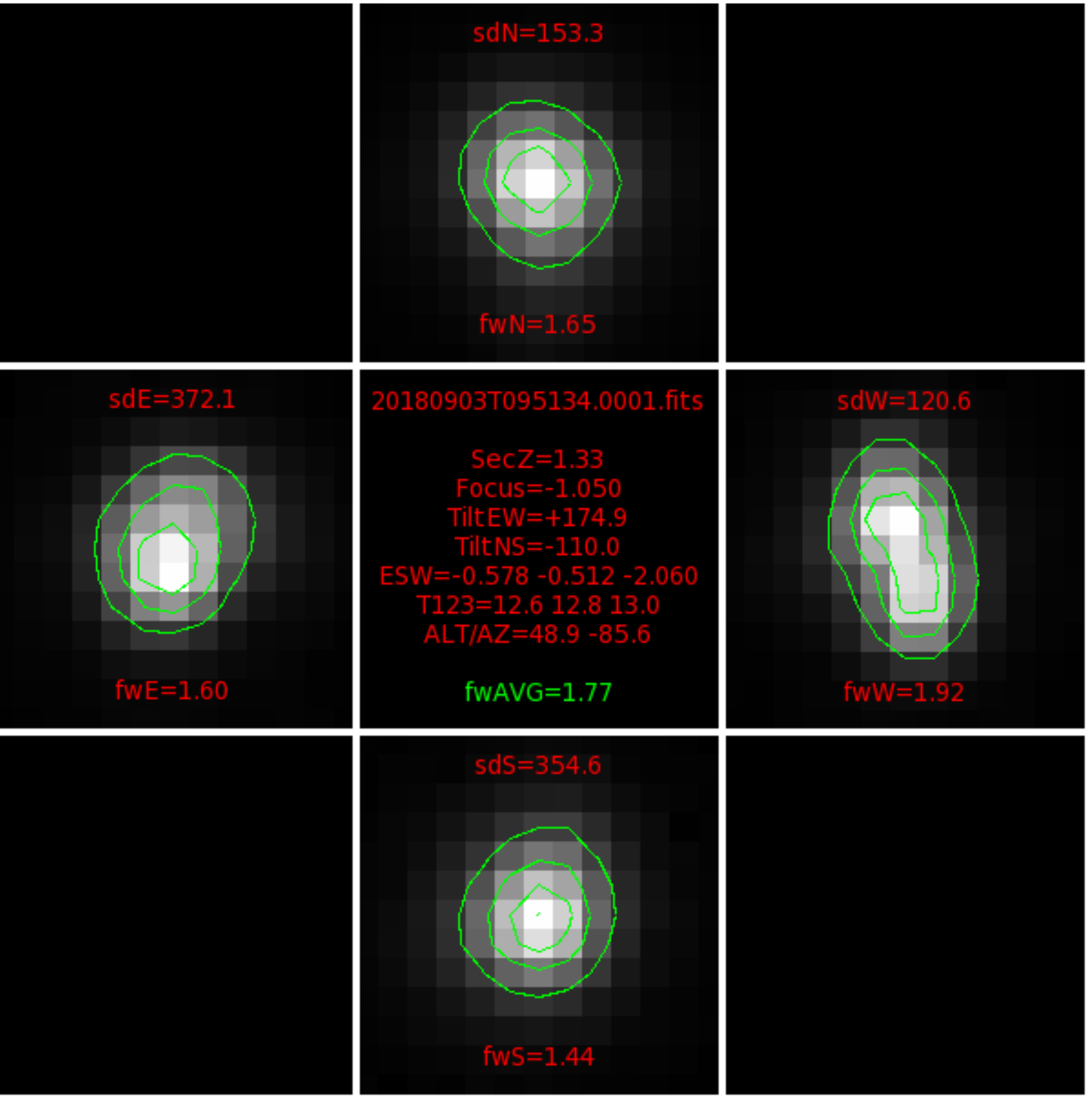
sdN=153.3
fwN=1.65
sdE=372.1
fwE=1.60
20180903T095134.0001.fits
SecZ=1.33
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.8 13.0
ALT/AZ=48.9 -85.6
fwAVG=1.77
sdW=120.6
fwW=1.92
sdS=354.6
fwS=1.44
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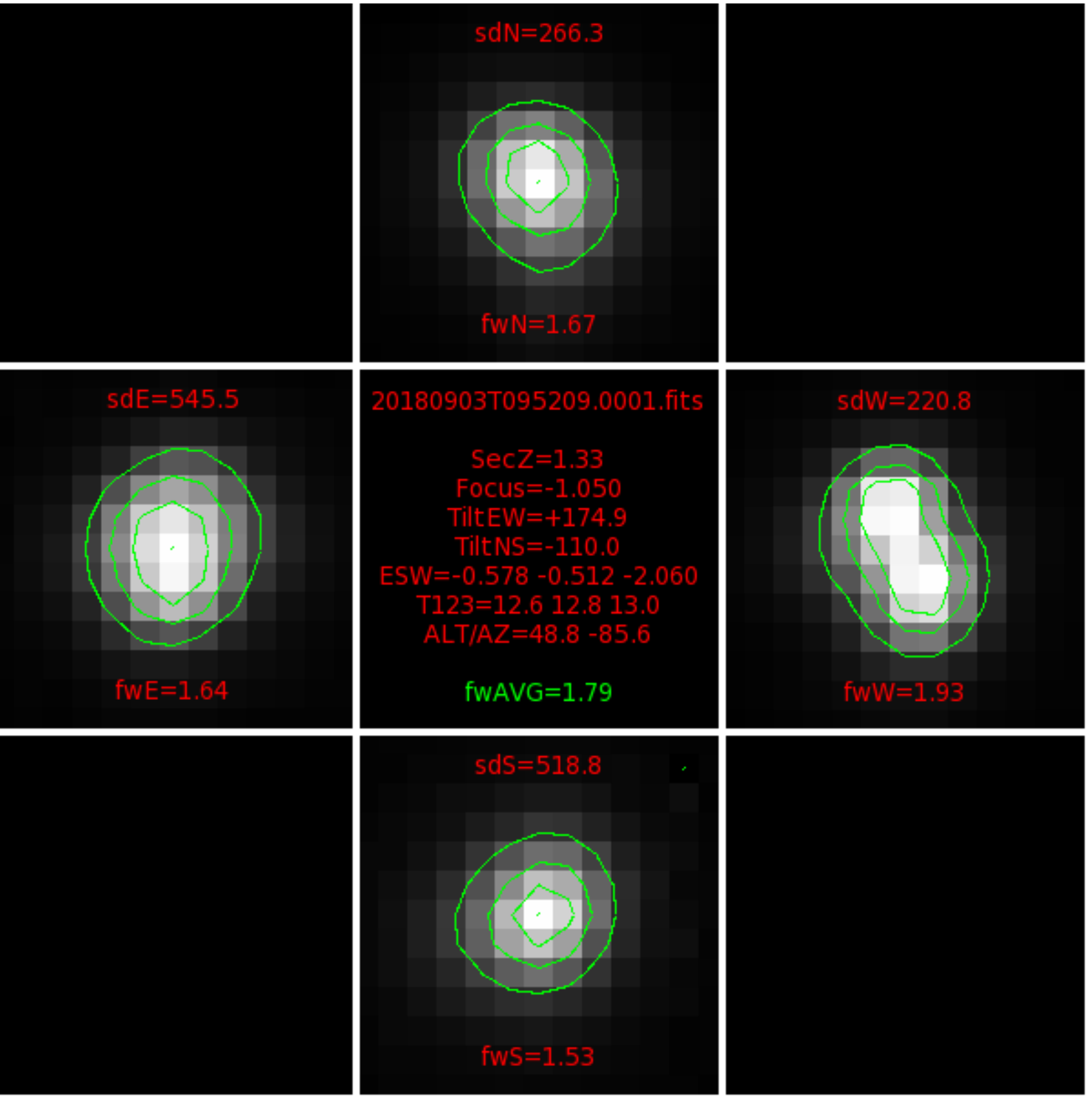
sdN=266.3
fwN=1.67
sdE=545.5
fwE=1.64
20180903T095209.0001.fits
SecZ=1.33
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.8 13.0
ALT/AZ=48.8 -85.6
fwAVG=1.79
sdW=220.8
fwW=1.93
sdS=518.8
fwS=1.53
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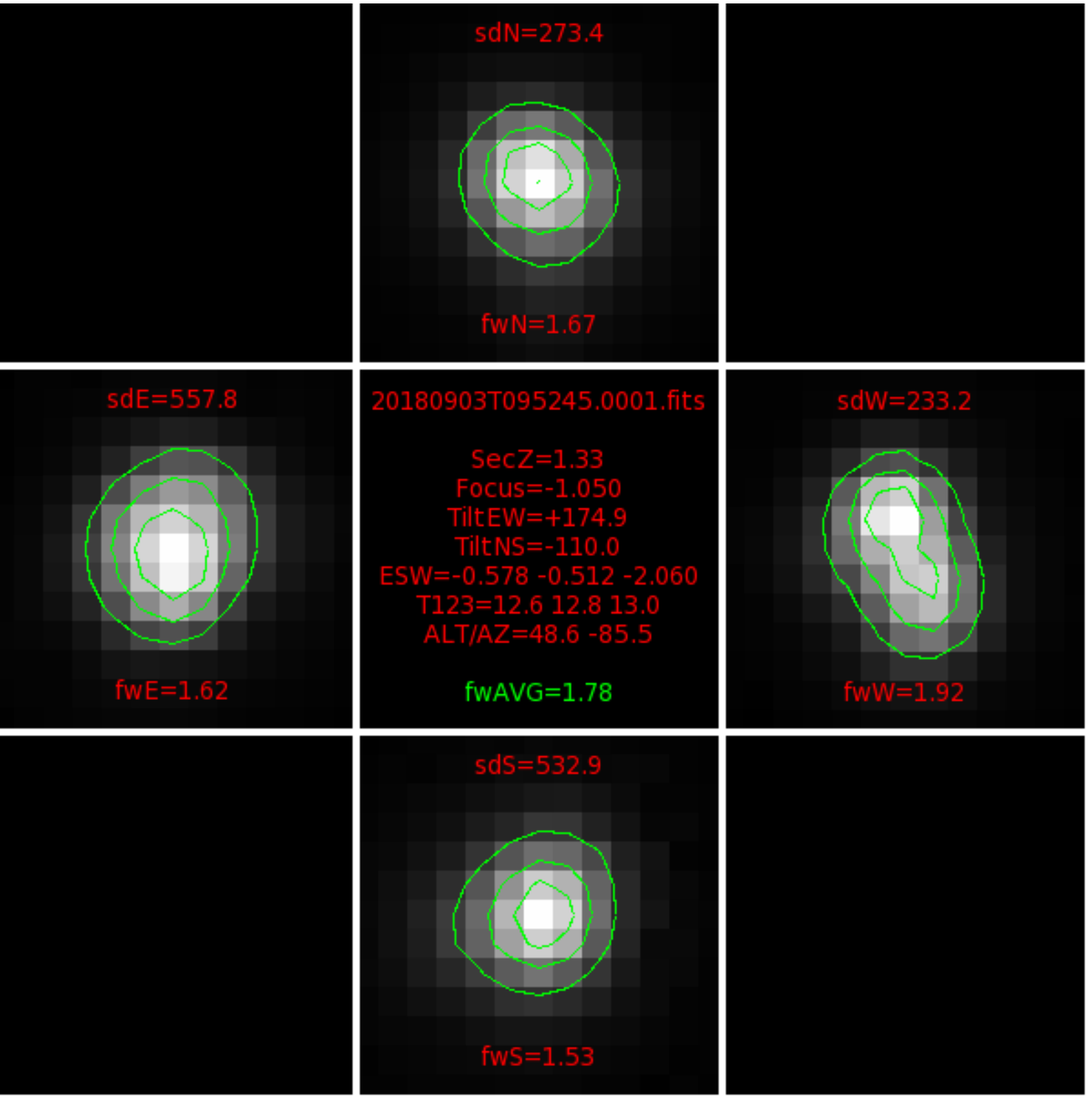
sdN=273.4
fwN=1.67
sdE=557.8
fwE=1.62
20180903T095245.0001.fits
SecZ=1.33
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.8 13.0
ALT/AZ=48.6 -85.5
fwAVG=1.78
sdW=233.2
fwW=1.92
sdS=532.9
fwS=1.53
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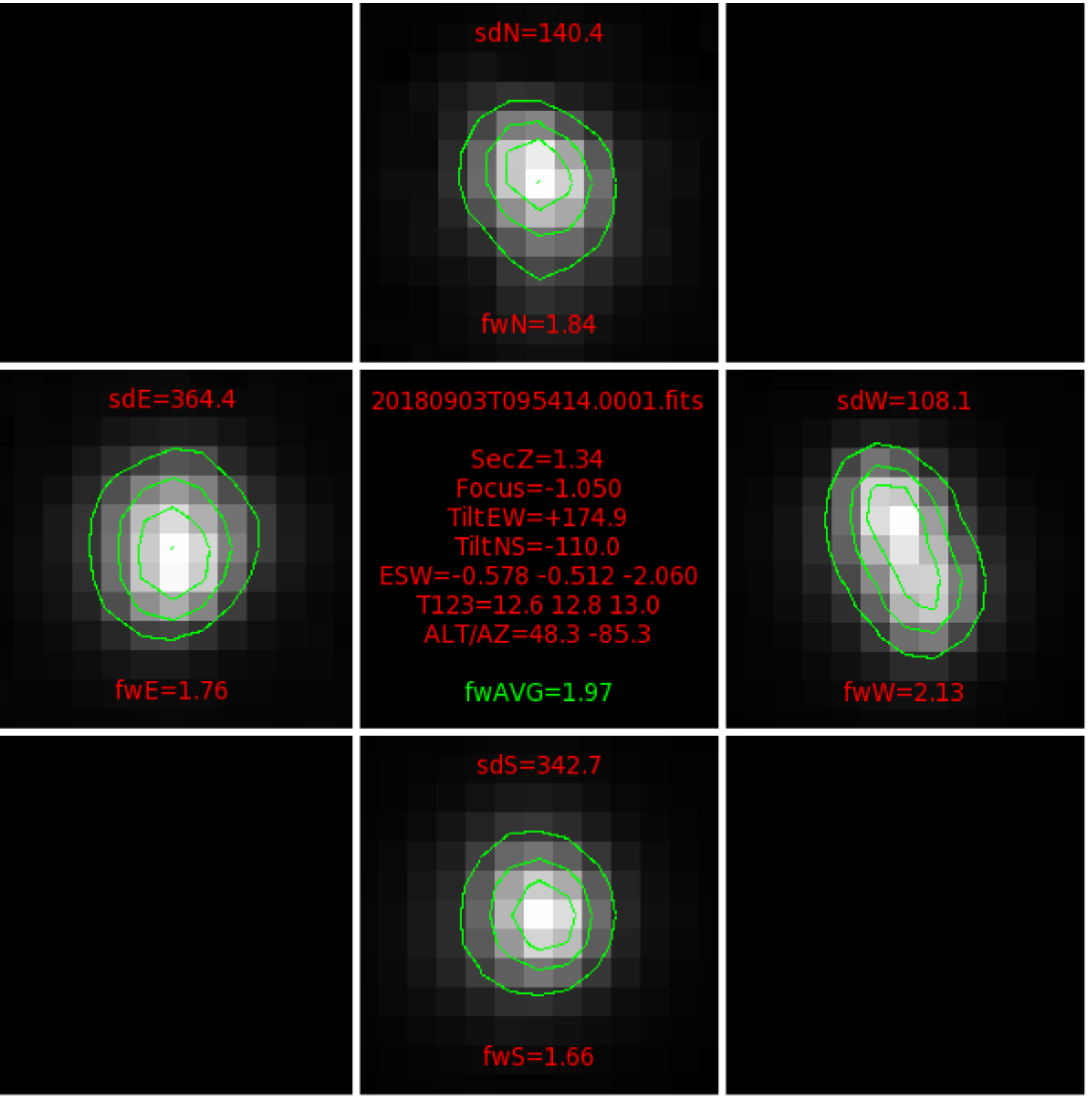
sdN=140.4
fwN=1.84
sdE=364.4
fwE=1.76
20180903T095414.0001.fits
SecZ=1.34
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.6 12.8 13.0
ALT/AZ=48.3 -85.3
fwAVG=1.97
sdW=108.1
fwW=2.13
sdS=342.7
fwS=1.66
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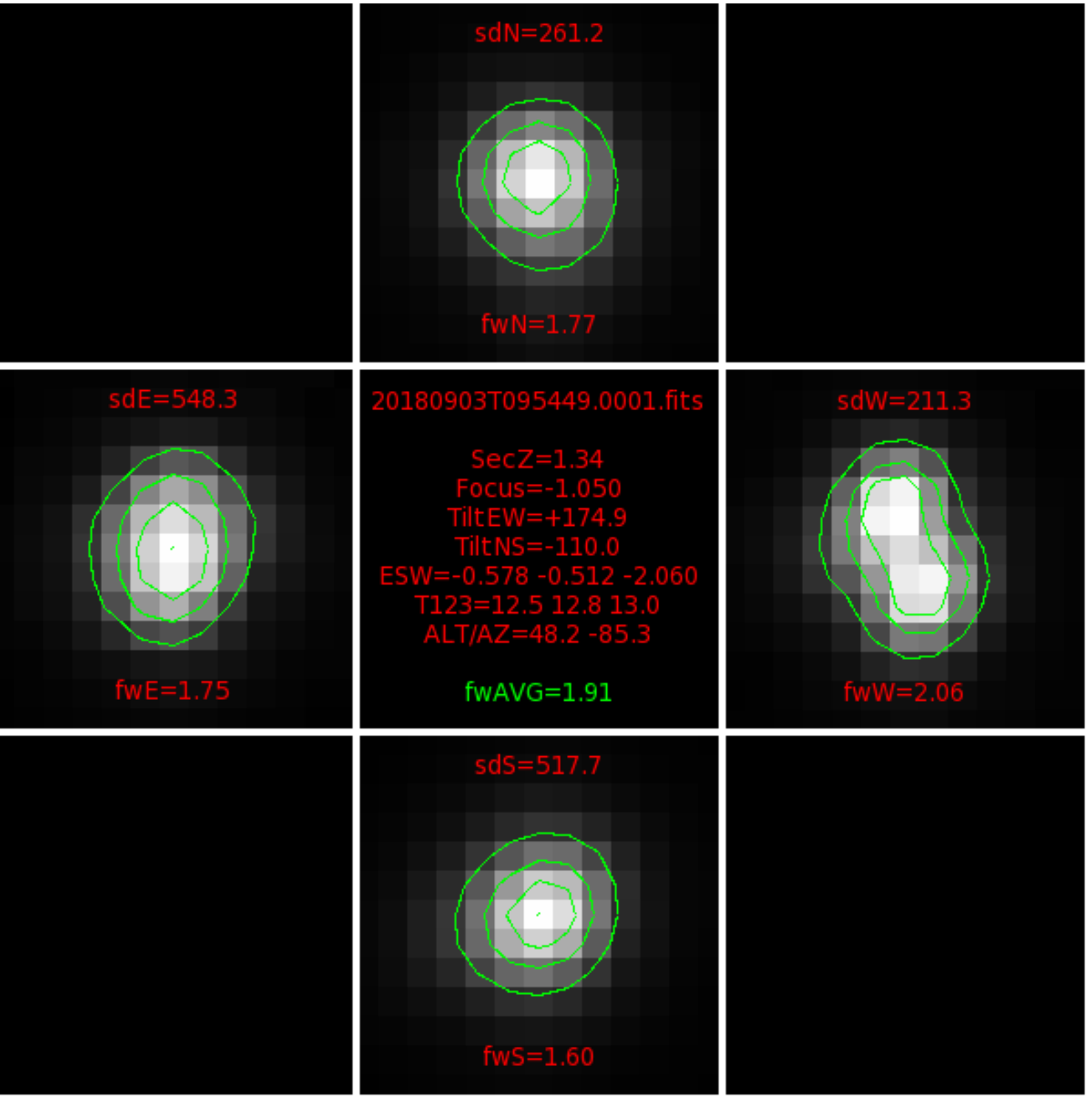
sdN=261.2
fwN=1.77
sdE=548.3
fwE=1.75
20180903T095449.0001.fits
SecZ=1.34
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.5 12.8 13.0
ALT/AZ=48.2 -85.3
fwAVG=1.91
sdW=211.3
fwW=2.06
sdS=517.7
fwS=1.60
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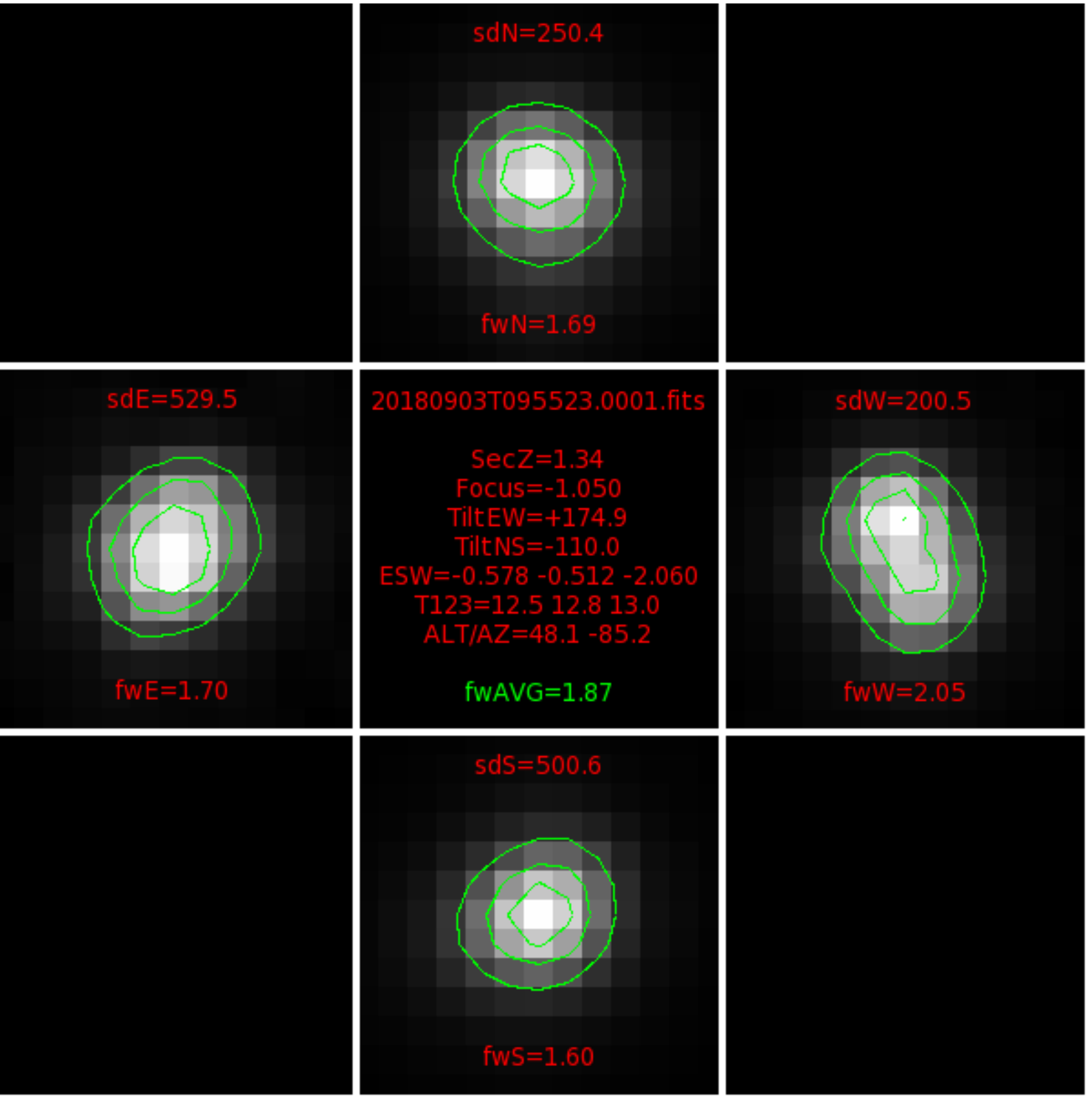
sdN=250.4
fwN=1.69
sdE=529.5
fwE=1.70
20180903T095523.0001.fits
SecZ=1.34
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.5 12.8 13.0
ALT/AZ=48.1 -85.2
fwAVG=1.87
sdW=200.5
fwW=2.05
sdS=500.6
fwS=1.60
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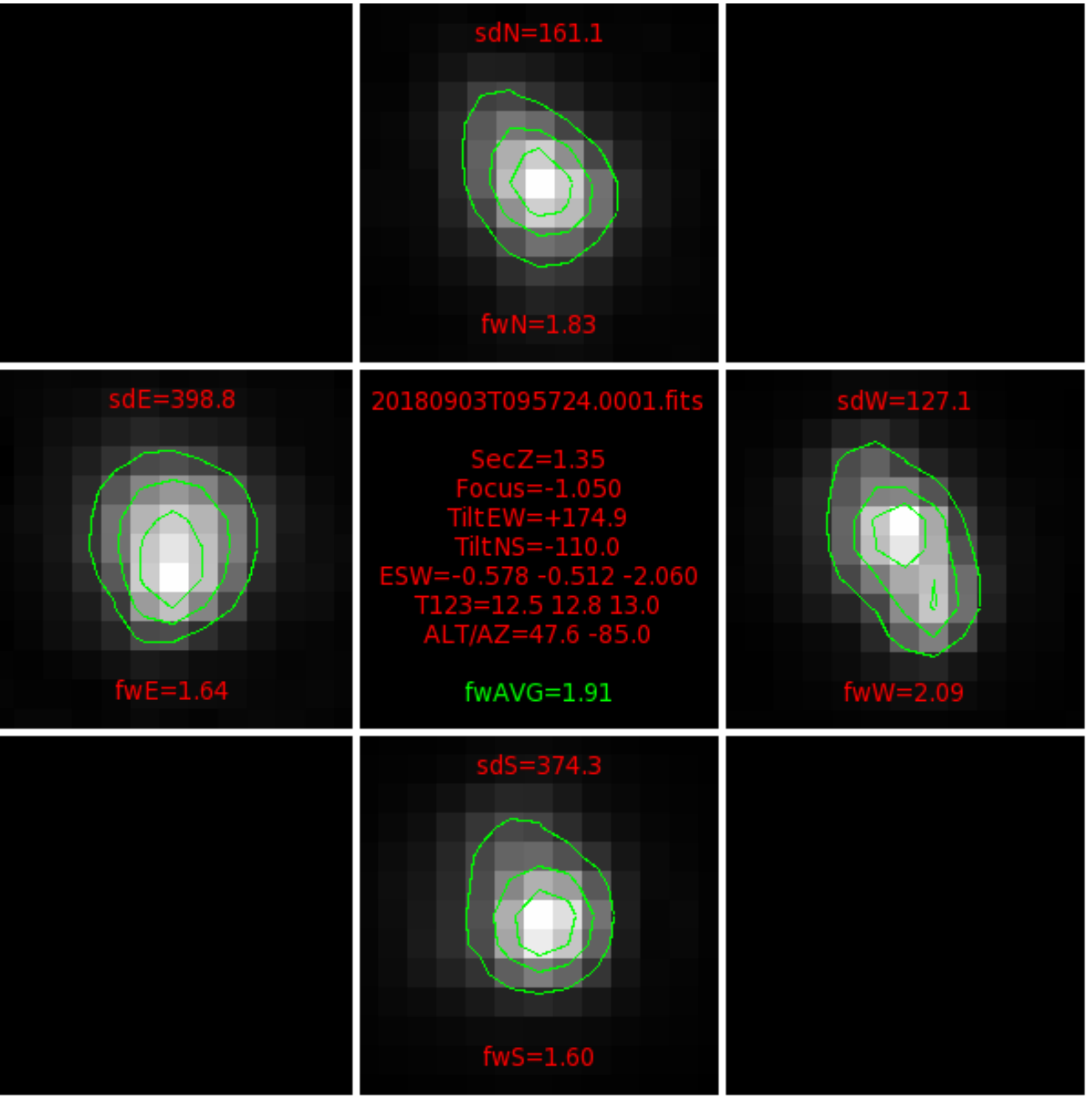
sdN=161.1
fwN=1.83
sdE=398.8
fwE=1.64
20180903T095724.0001.fits
SecZ=1.35
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.5 12.8 13.0
ALT/AZ=47.6 -85.0
fwAVG=1.91
sdW=127.1
fwW=2.09
sdS=374.3
fwS=1.60
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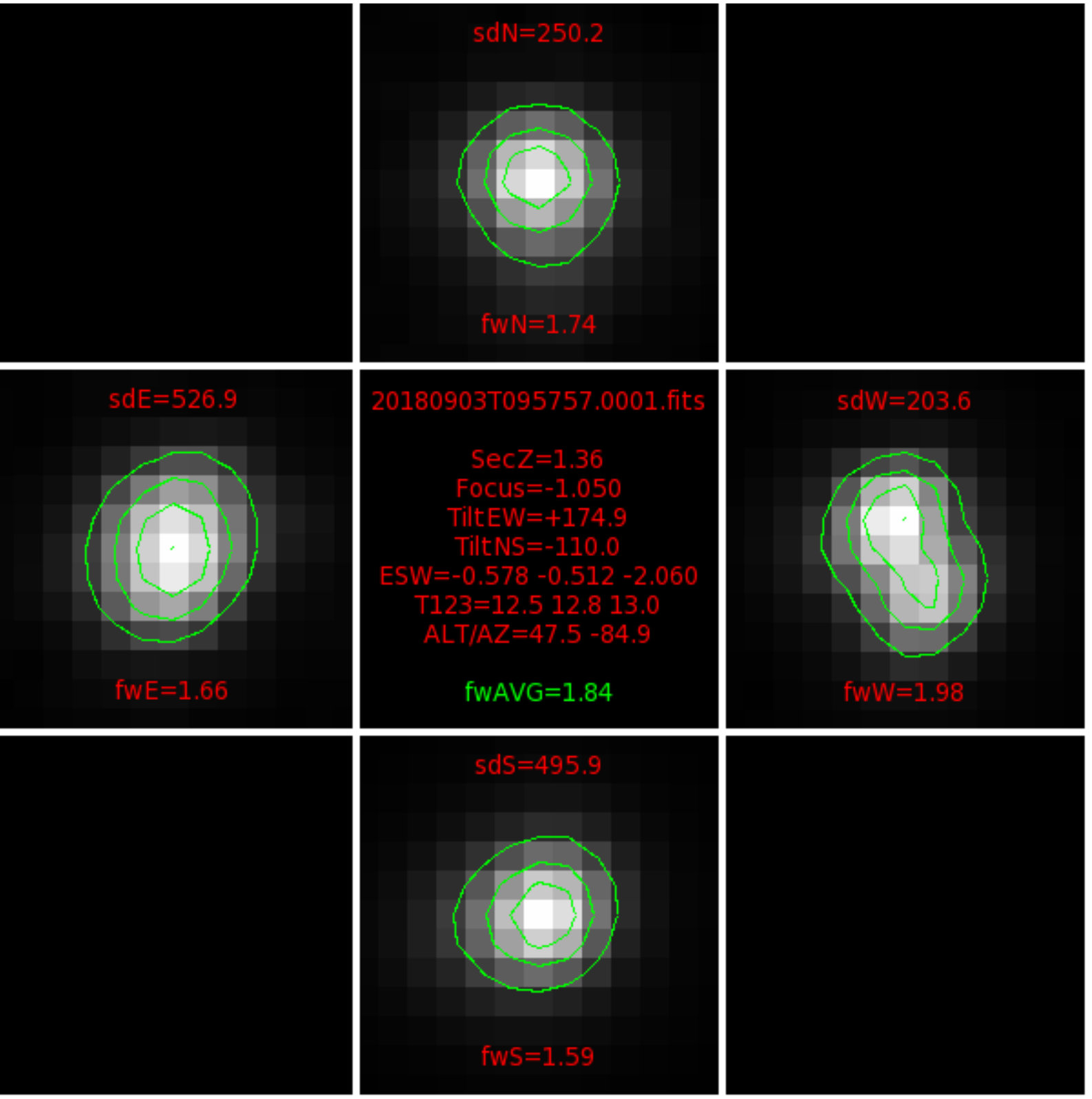
sdN=250.2
fwN=1.74
sdE=526.9
fwE=1.66
20180903T095757.0001.fits
SecZ=1.36
Focus=-1.050
TiltEW=+174.9
TiltNS=-110.0
ESW=-0.578 -0.512 -2.060
T123=12.5 12.8 13.0
ALT/AZ=47.5 -84.9
fwAVG=1.84
sdW=203.6
fwW=1.98
sdS=495.9
fwS=1.59
0 0 0 0 0 0 0 0 0