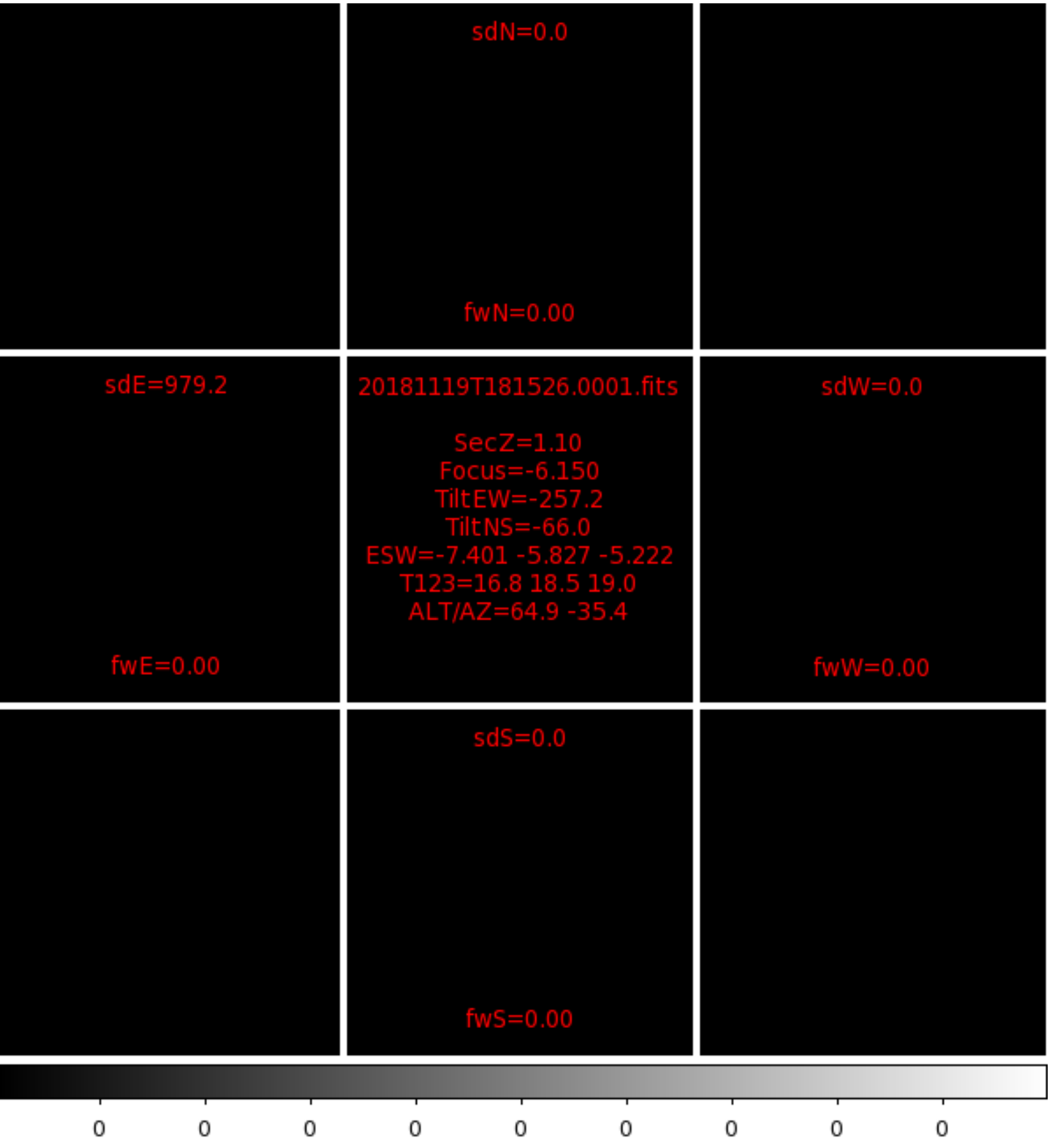
sdN=0.0
fwN=0.00
sdE=979.2
fwE=0.00
20181119T181526.0001.fits
SecZ=1.10
Focus=-6.150
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.401 -5.827 -5.222
T123=16.8 18.5 19.0
ALT/AZ=64.9 -35.4
sdW=0.0
fwW=0.00
sdS=0.0
fwS=0.00
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sdN=2005.2
fwN=4.05
sdE=1443.7
fwE=0.00
20181119T181645.0001.fits
SecZ=1.11
Focus=-6.050
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.301 -5.727 -5.122
T123=16.8 18.5 19.0
ALT/AZ=64.7 -35.7
sdW=2075.3
fwW=0.00
sdS=4667.9
fwS=0.00
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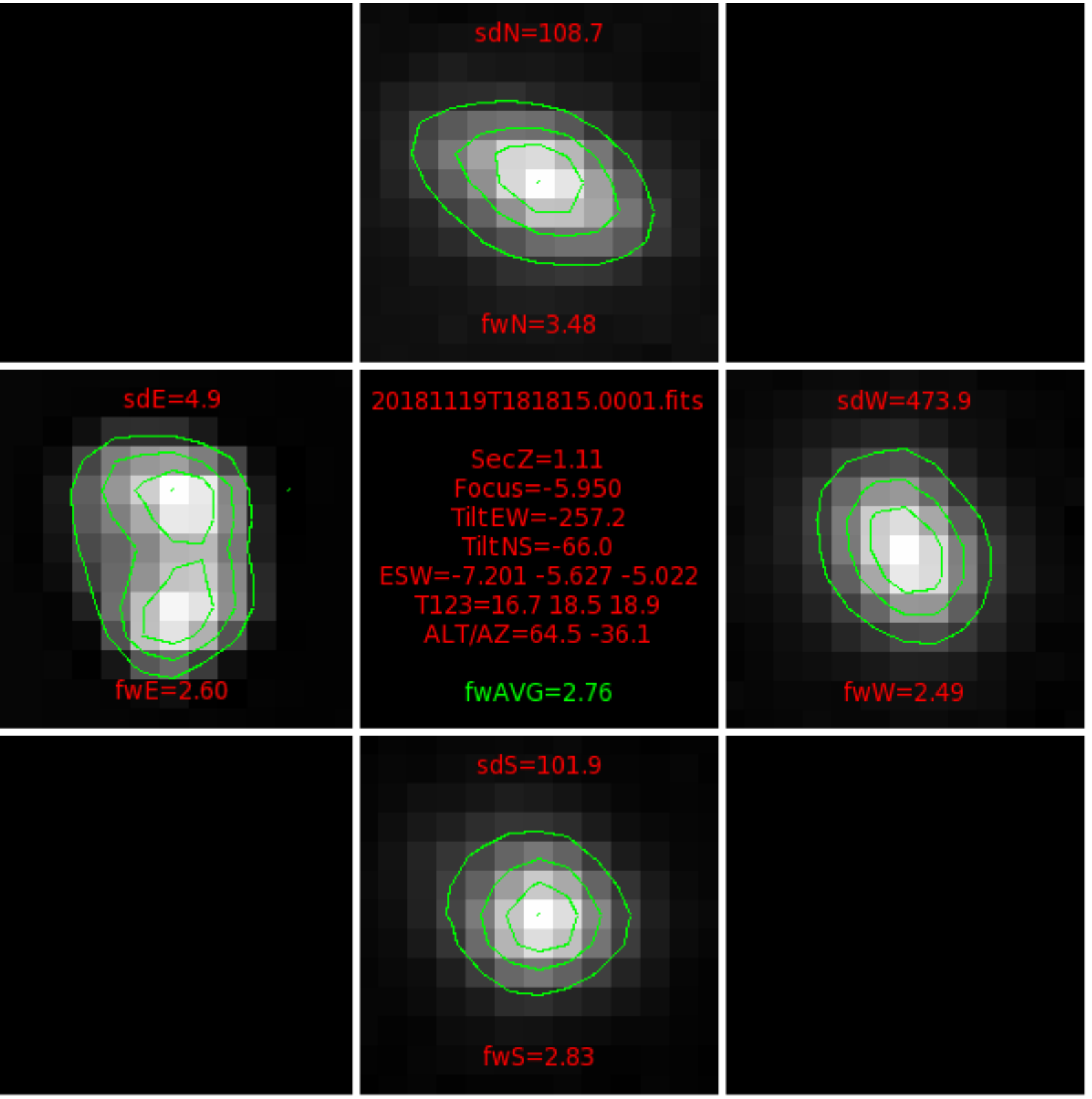
sdN=108.7
fwN=3.48
sdE=4.9
fwE=2.60
20181119T181815.0001.fits
SecZ=1.11
Focus=-5.950
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.201 -5.627 -5.022
T123=16.7 18.5 18.9
ALT/AZ=64.5 -36.1
fwAVG=2.76
sdW=473.9
fwW=2.49
sdS=101.9
fwS=2.83
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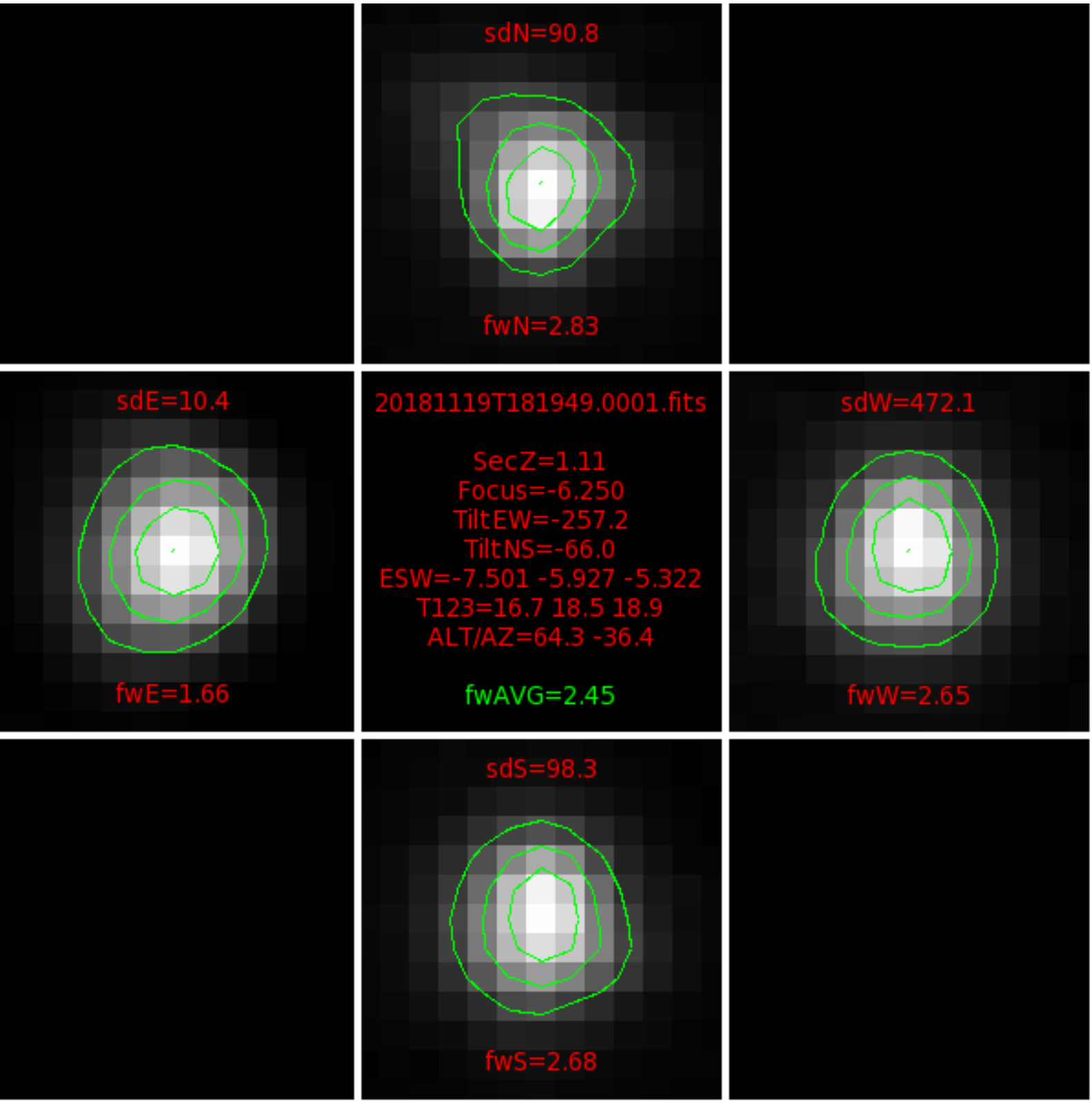
sdN=90.8
fwN=2.83
sdE=10.4
fwE=1.66
20181119T181949.0001.fits
SecZ=1.11
Focus=-6.250
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.501 -5.927 -5.322
T123=16.7 18.5 18.9
ALT/AZ=64.3 -36.4
fwAVG=2.45
sdW=472.1
fwW=2.65
sdS=98.3
fwS=2.68
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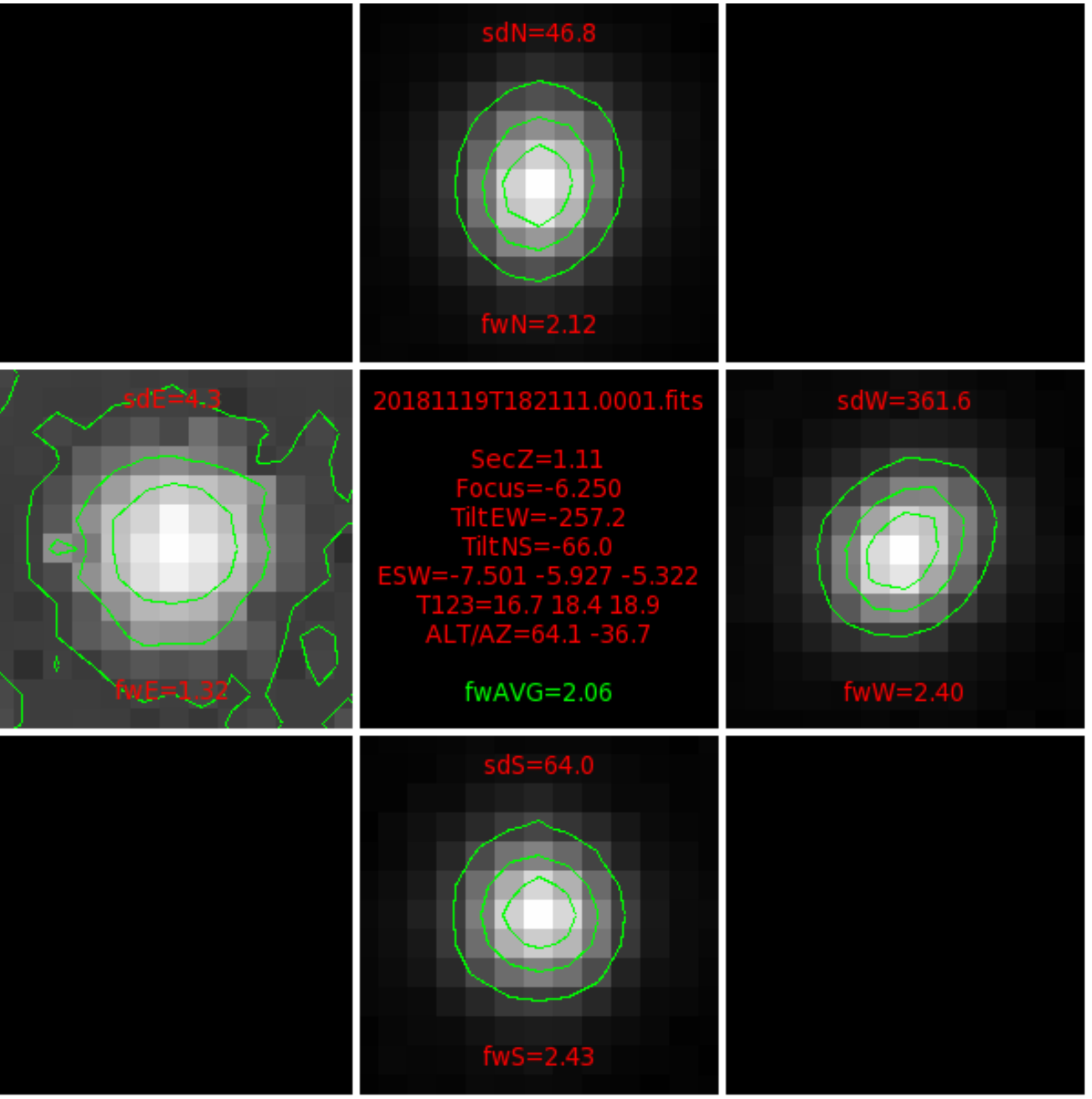
sdN=46.8
fwN=2.12
sdE=4.3
fwE=1.32
20181119T182111.0001.fits
SecZ=1.11
Focus=-6.250
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.501 -5.927 -5.322
T123=16.7 18.4 18.9
ALT/AZ=64.1 -36.7
fwAVG=2.06
sdW=361.6
fwW=2.40
sdS=64.0
fwS=2.43
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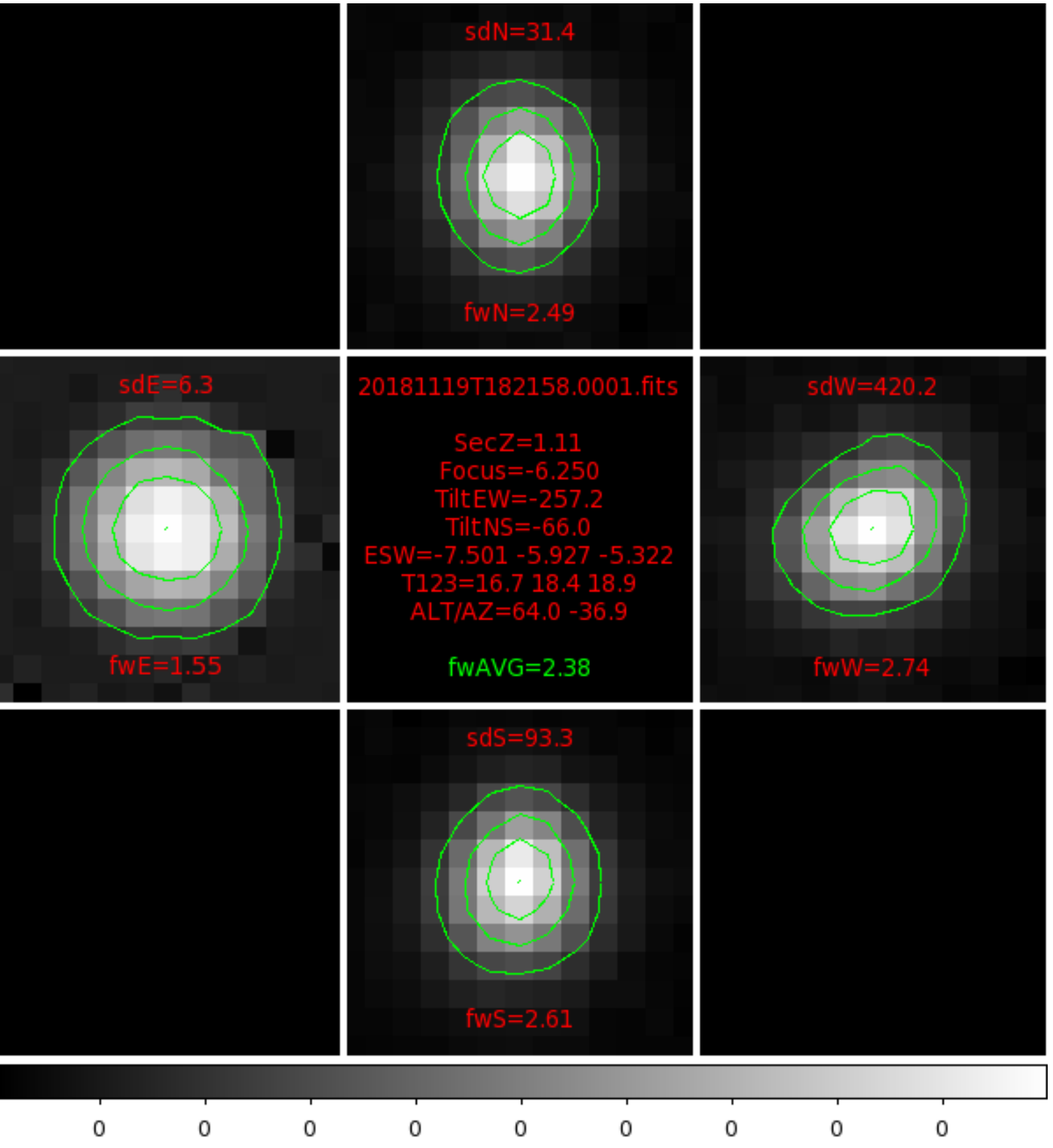
sdN=31.4
fwN=2.49
sdE=6.3
fwE=1.55
20181119T182158.0001.fits
SecZ=1.11
Focus=-6.250
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.501 -5.927 -5.322
T123=16.7 18.4 18.9
ALT/AZ=64.0 -36.9
fwAVG=2.38
sdW=420.2
fwW=2.74
sdS=93.3
fwS=2.61
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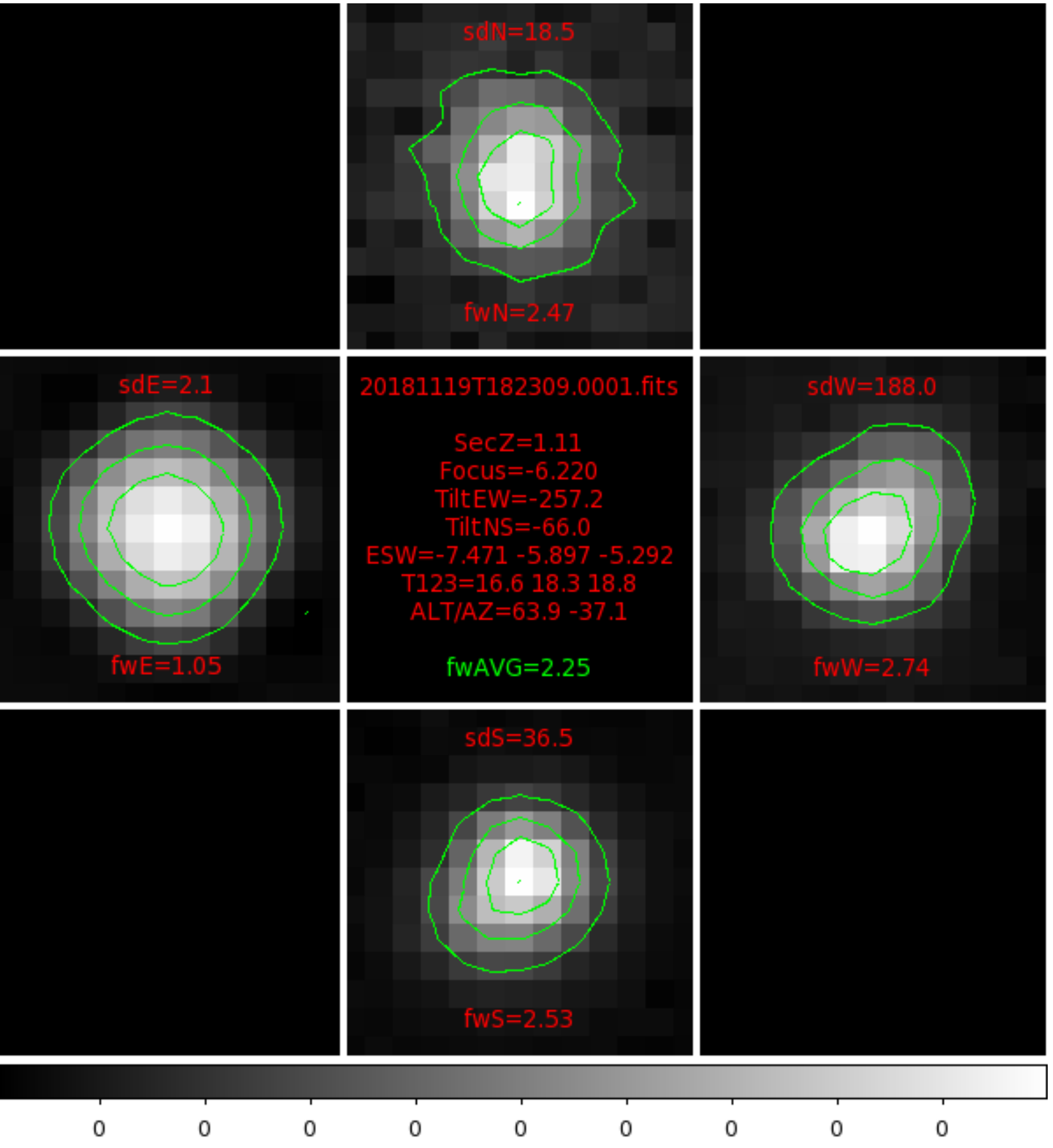
sdN=18.5
fwN=2.47
sdE=2.1
fwE=1.05
20181119T182309.0001.fits
SecZ=1.11
Focus=-6.220
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.471 -5.897 -5.292
T123=16.6 18.3 18.8
ALT/AZ=63.9 -37.1
fwAVG=2.25
sdW=188.0
fwW=2.74
sdS=36.5
fwS=2.53
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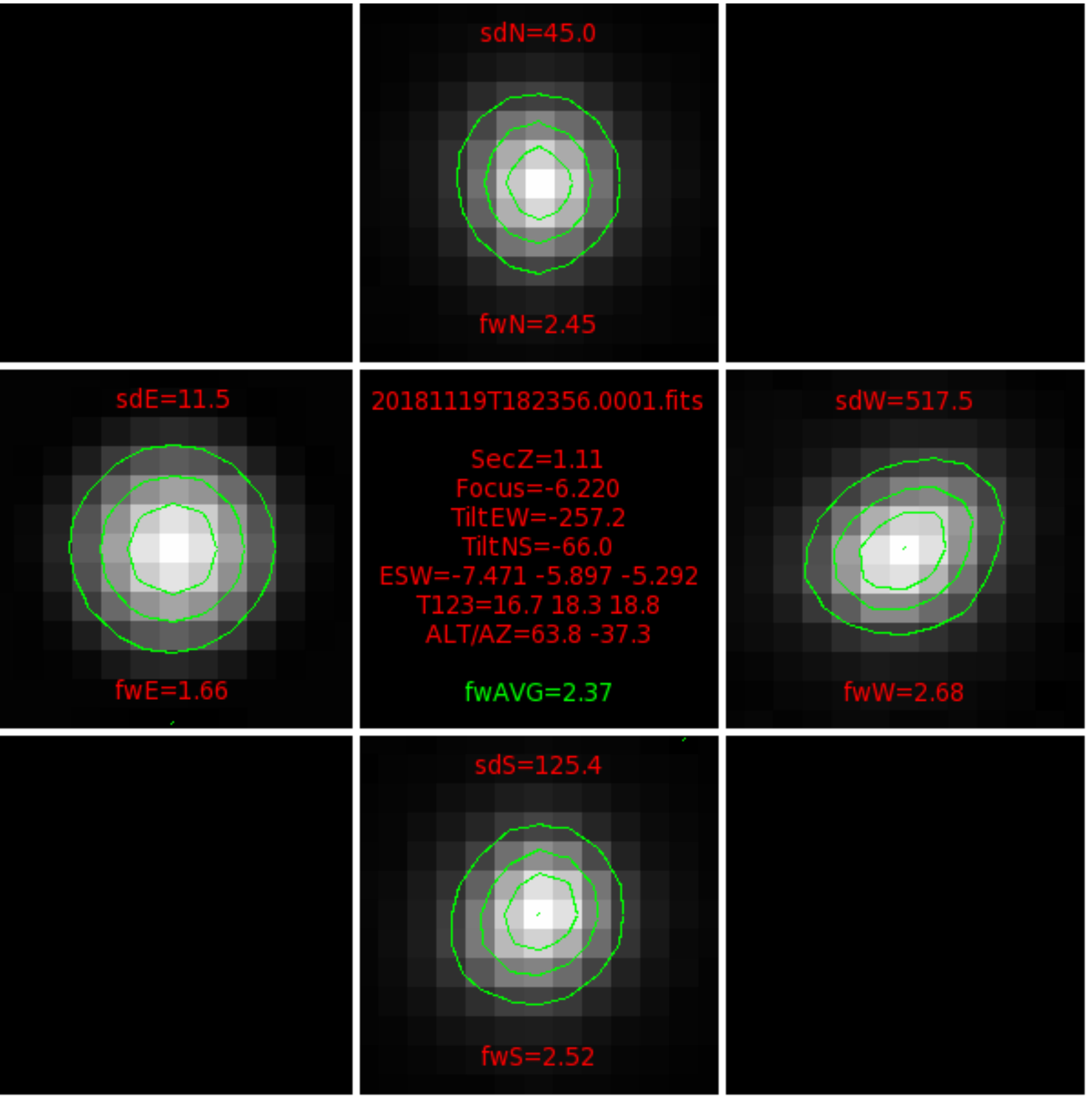
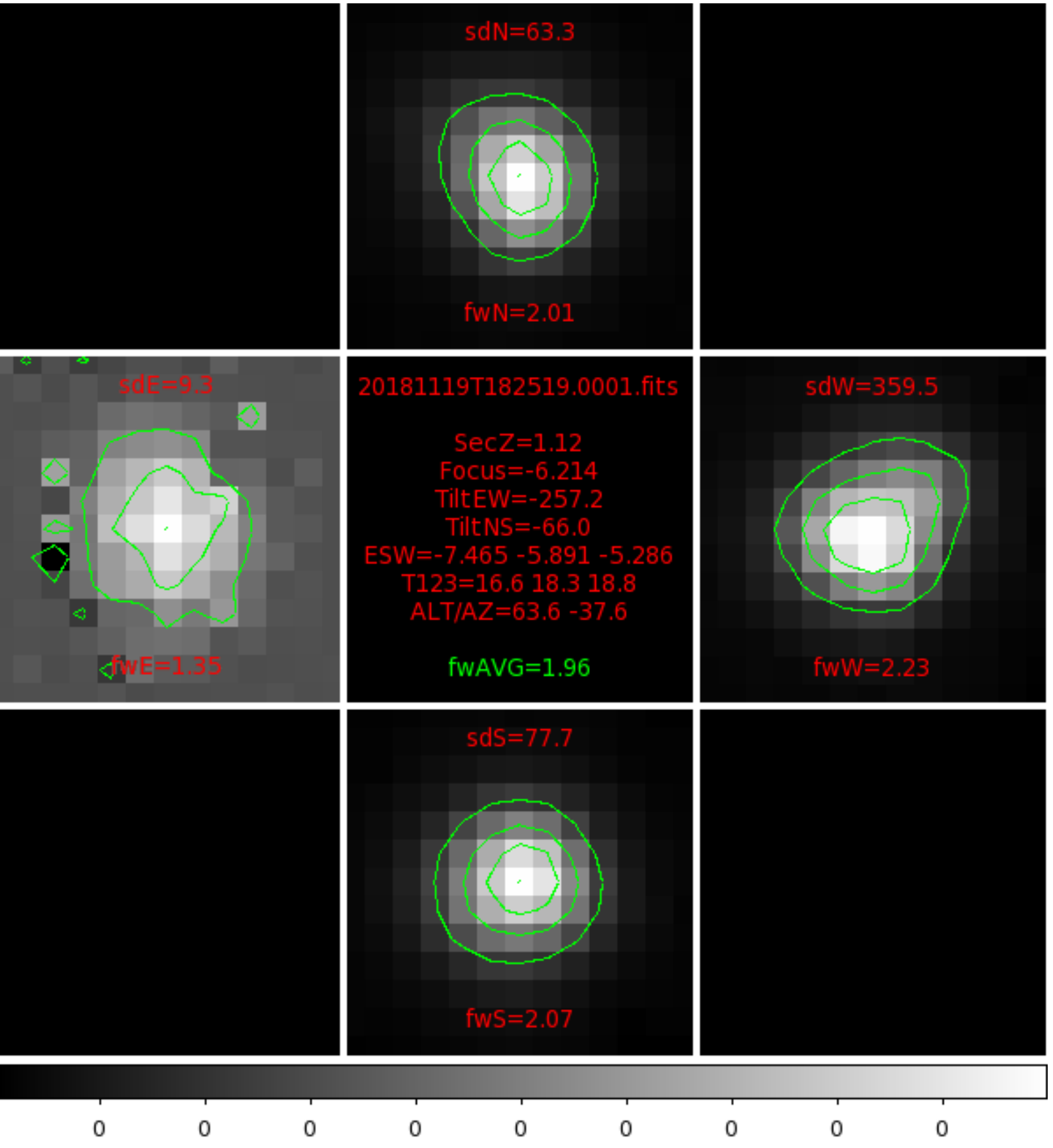

sdN=45.0
fwN=2.45
sdE=11.5
fwE=1.66
20181119T182356.0001.fits
SecZ=1.11
Focus=-6.220
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.471 -5.897 -5.292
T123=16.7 18.3 18.8
ALT/AZ=63.8 -37.3
fwAVG=2.37
sdW=517.5
fwW=2.68
sdS=125.4
fwS=2.52
0 0 0 0 0 0 0 0 0


sdN=63.3
fwN=2.01
sdE=9.3
fwE=1.35
20181119T182519.0001.fits
SecZ=1.12
Focus=-6.214
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.465 -5.891 -5.286
T123=16.6 18.3 18.8
ALT/AZ=63.6 -37.6
fwAVG=1.96
sdW=359.5
fwW=2.23
sdS=77.7
fwS=2.07
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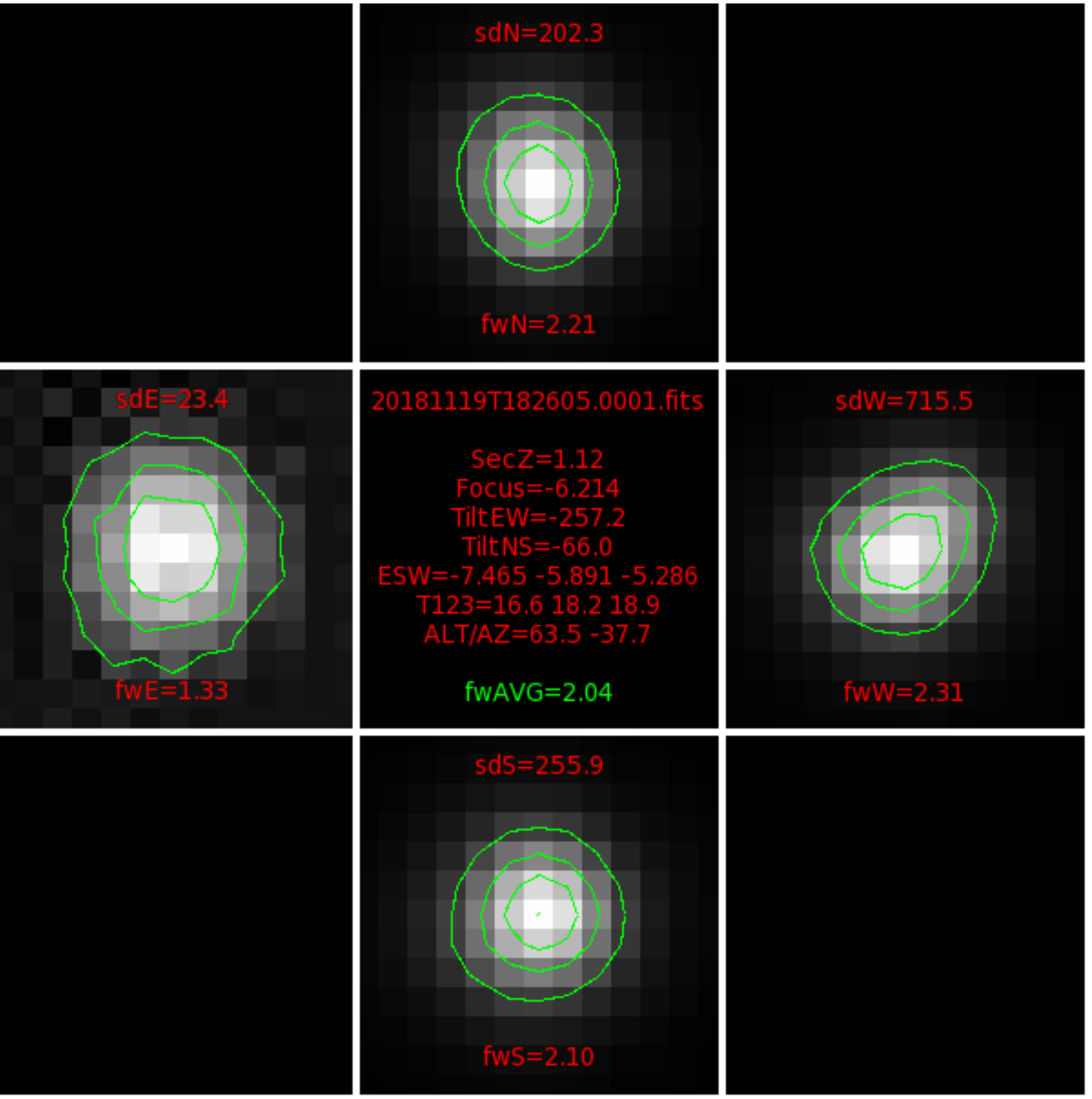
sdN=202.3
fwN=2.21
sdE=23.4
fwE=1.33
20181119T182605.0001.fits
SecZ=1.12
Focus=-6.214
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.465 -5.891 -5.286
T123=16.6 18.2 18.9
ALT/AZ=63.5 -37.7
fwAVG=2.04
sdW=715.5
fwW=2.31
sdS=255.9
fwS=2.10
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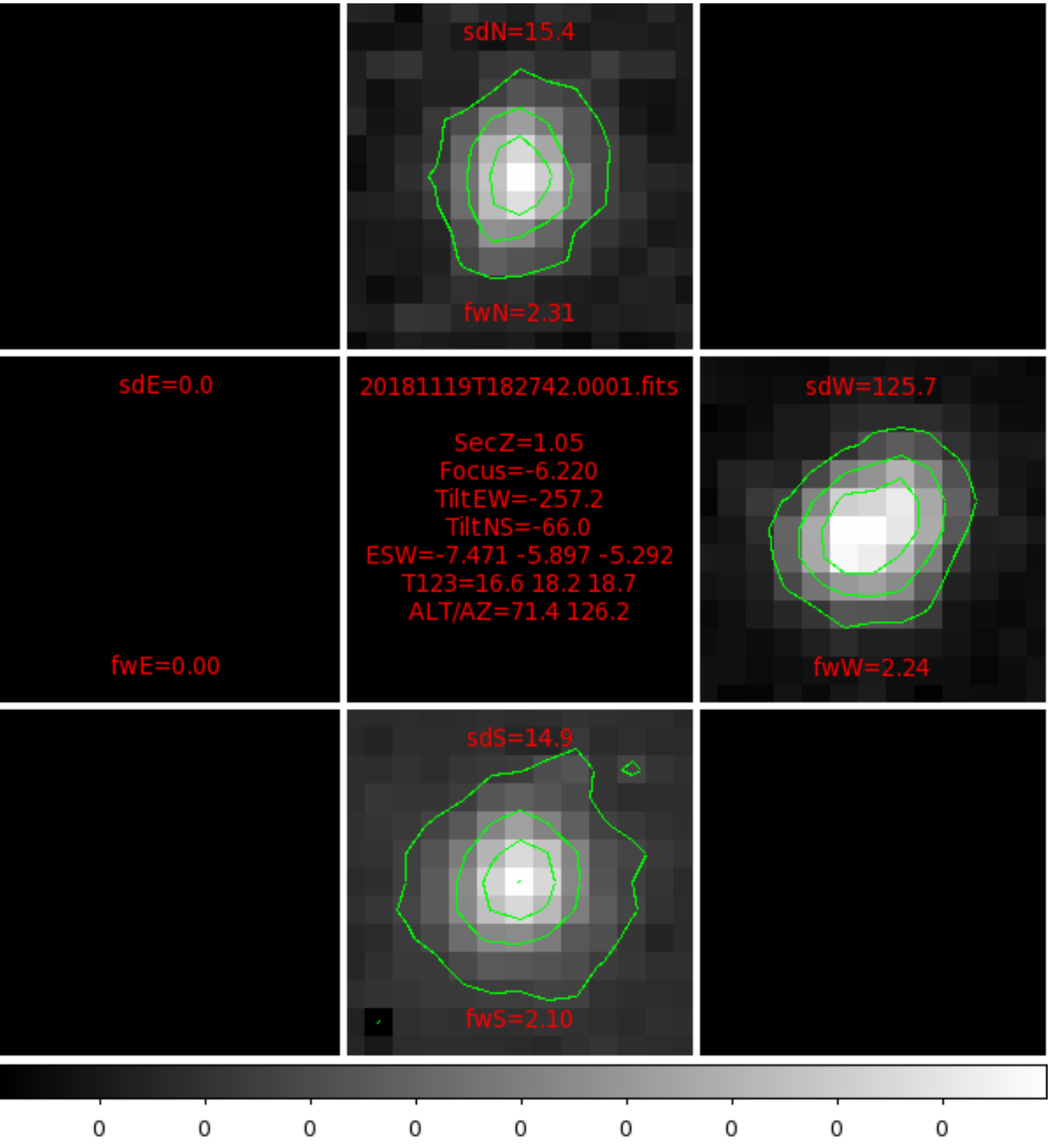
sdN=15.4
fwN=2.31
sdE=0.0
fwE=0.00
20181119T182742.0001.fits
SecZ=1.05
Focus=-6.220
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.471 -5.897 -5.292
T123=16.6 18.2 18.7
ALT/AZ=71.4 126.2
sdW=125.7
fwW=2.24
sdS=14.9
fwS=2.10
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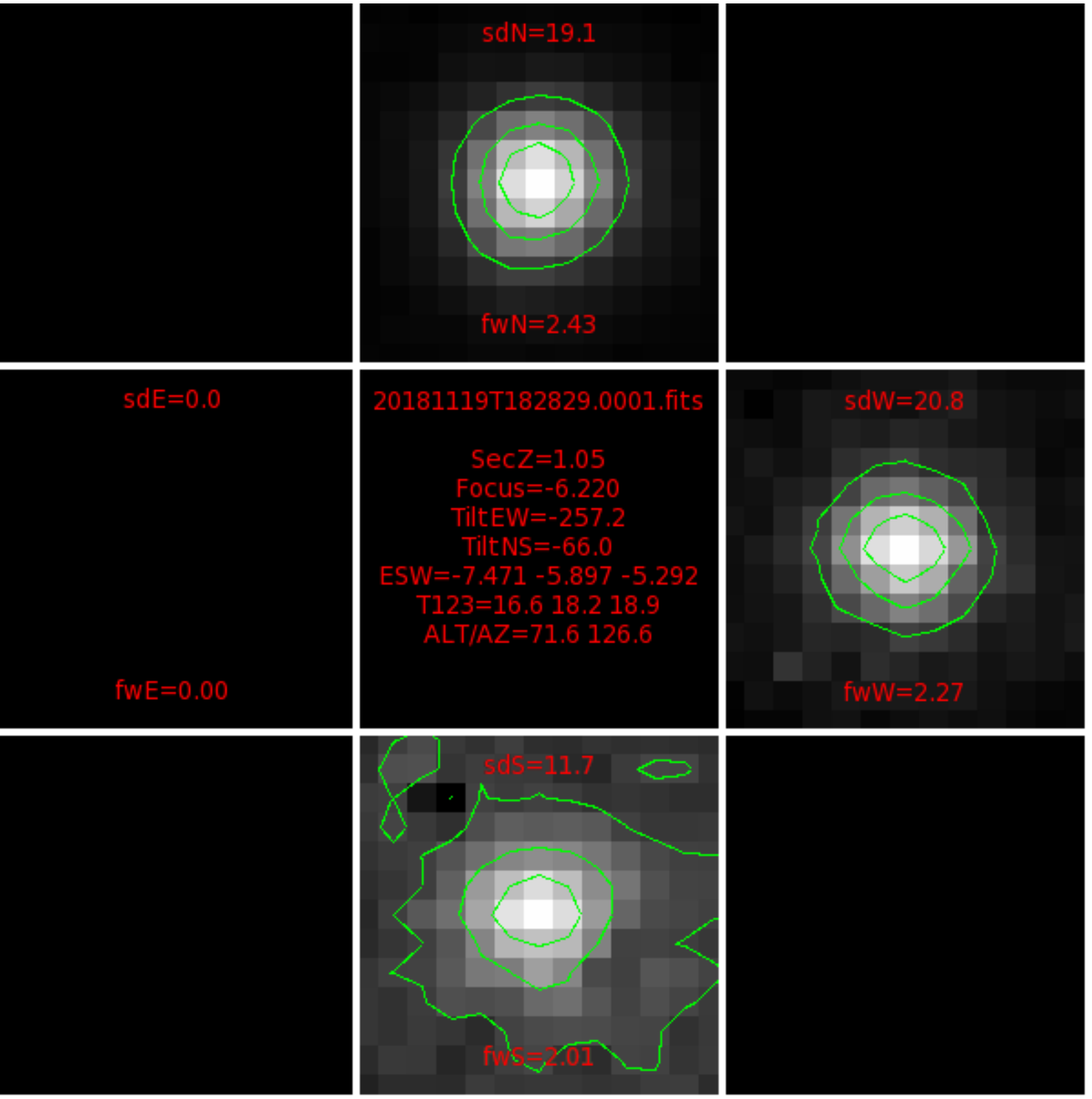
sdN=19.1
fwN=2.43
sdE=0.0
fwE=0.00
20181119T182829.0001.fits
SecZ=1.05
Focus=-6.220
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.471 -5.897 -5.292
T123=16.6 18.2 18.9
ALT/AZ=71.6 126.6
sdW=20.8
fwW=2.27
sdS=11.7
fwS=2.01
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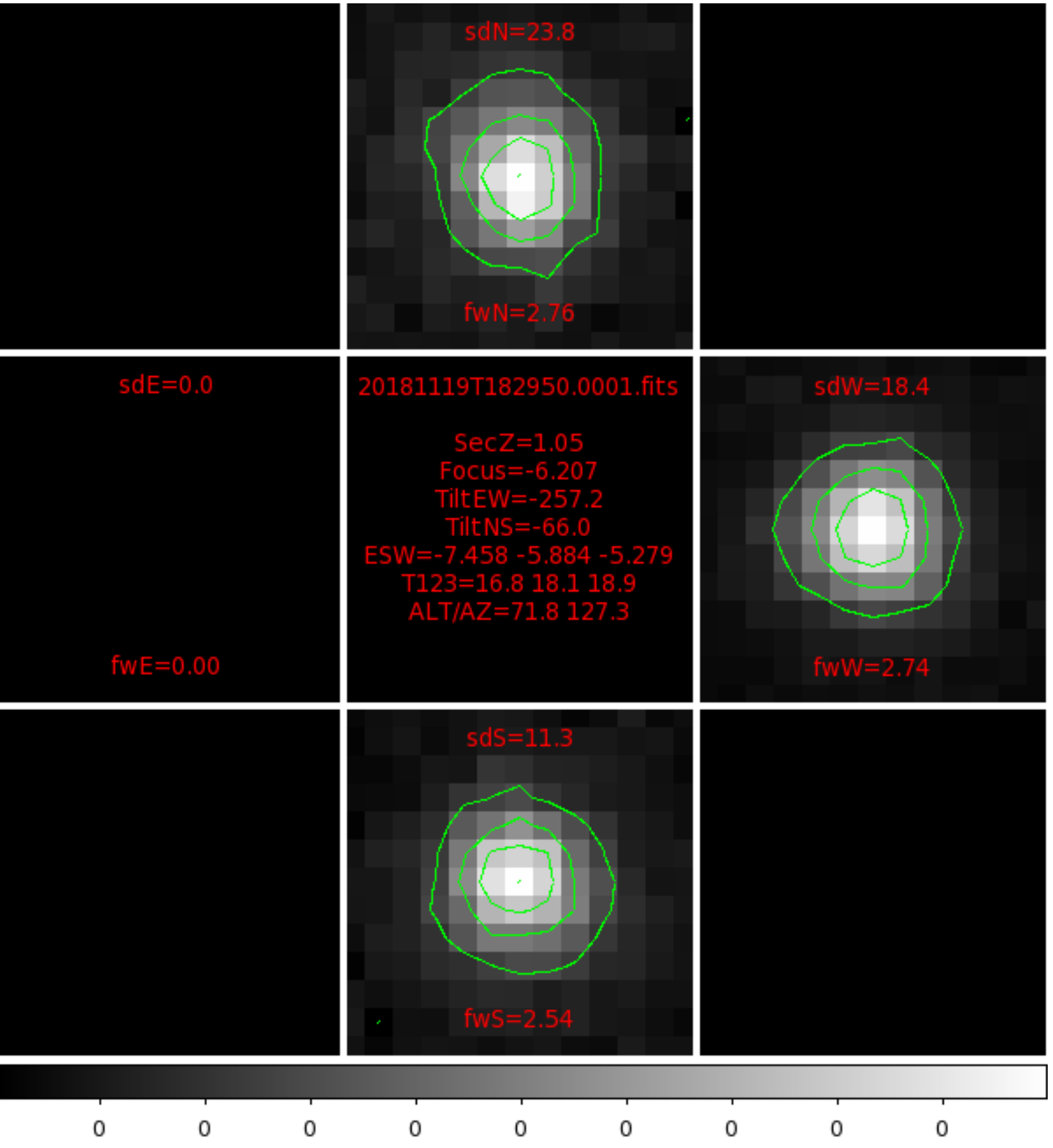
sdN=23.8
fwN=2.76
sdE=0.0
fwE=0.00
20181119T182950.0001.fits
SecZ=1.05
Focus=-6.207
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.458 -5.884 -5.279
T123=16.8 18.1 18.9
ALT/AZ=71.8 127.3
sdW=18.4
fwW=2.74
sdS=11.3
fwS=2.54
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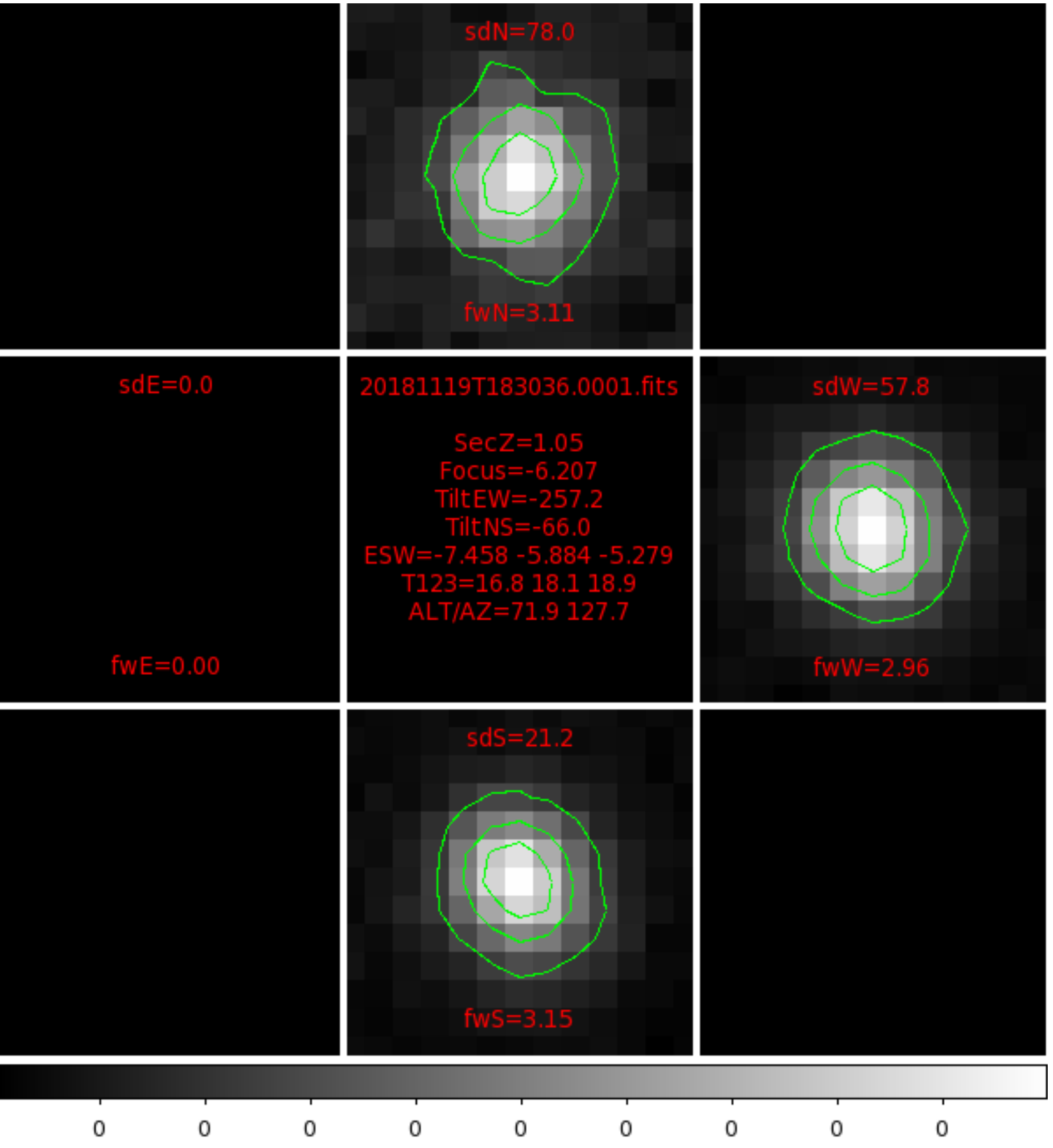
sdN=78.0
fwN=3.11
sdE=0.0
fwE=0.00
20181119T183036.0001.fits
SecZ=1.05
Focus=-6.207
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.458 -5.884 -5.279
T123=16.8 18.1 18.9
ALT/AZ=71.9 127.7
sdW=57.8
fwW=2.96
sdS=21.2
fwS=3.15
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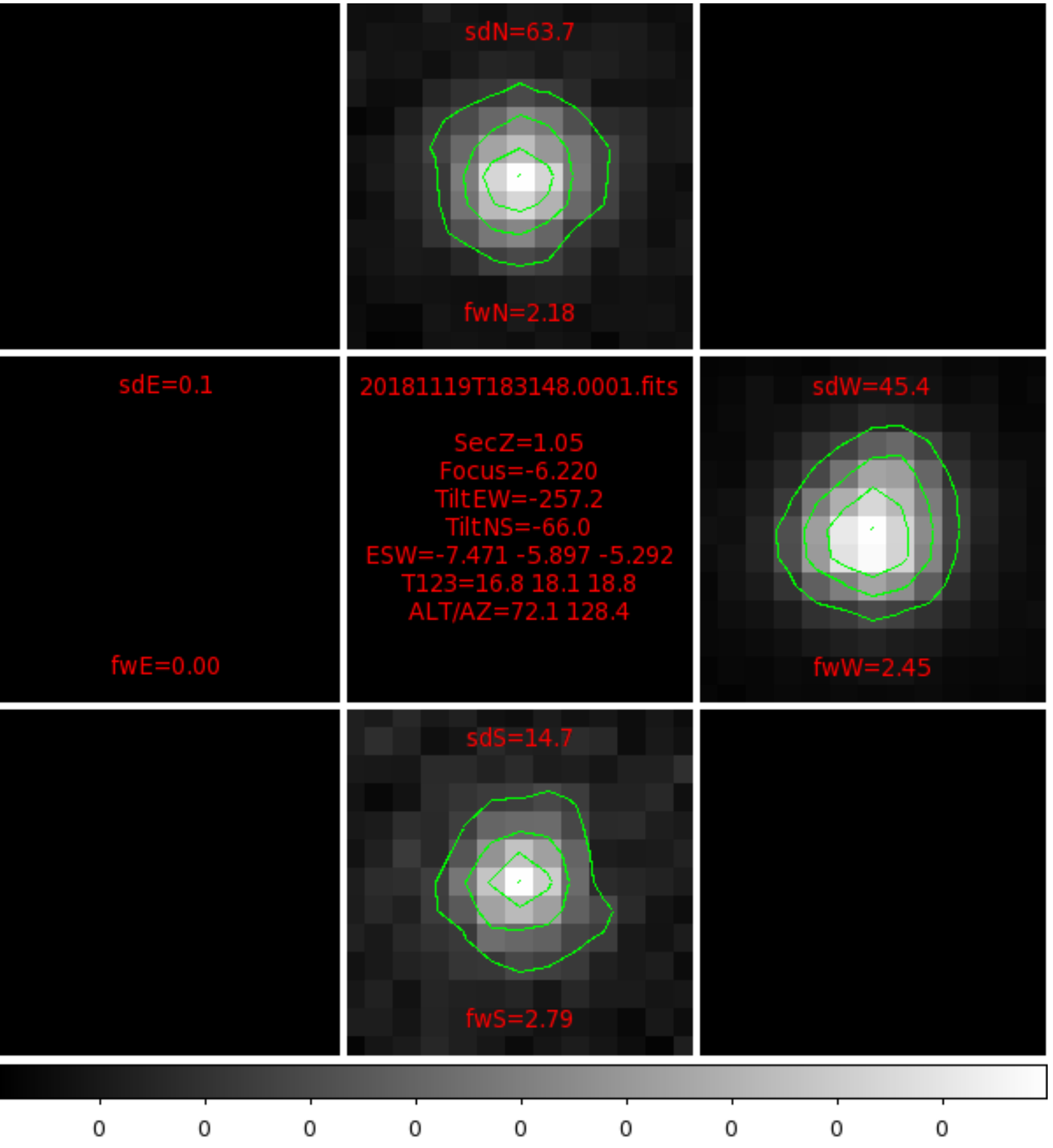
sdN=63.7
fwN=2.18
sdE=0.1
fwE=0.00
20181119T183148.0001.fits
SecZ=1.05
Focus=-6.220
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.471 -5.897 -5.292
T123=16.8 18.1 18.8
ALT/AZ=72.1 128.4
sdW=45.4
fwW=2.45
sdS=14.7
fwS=2.79
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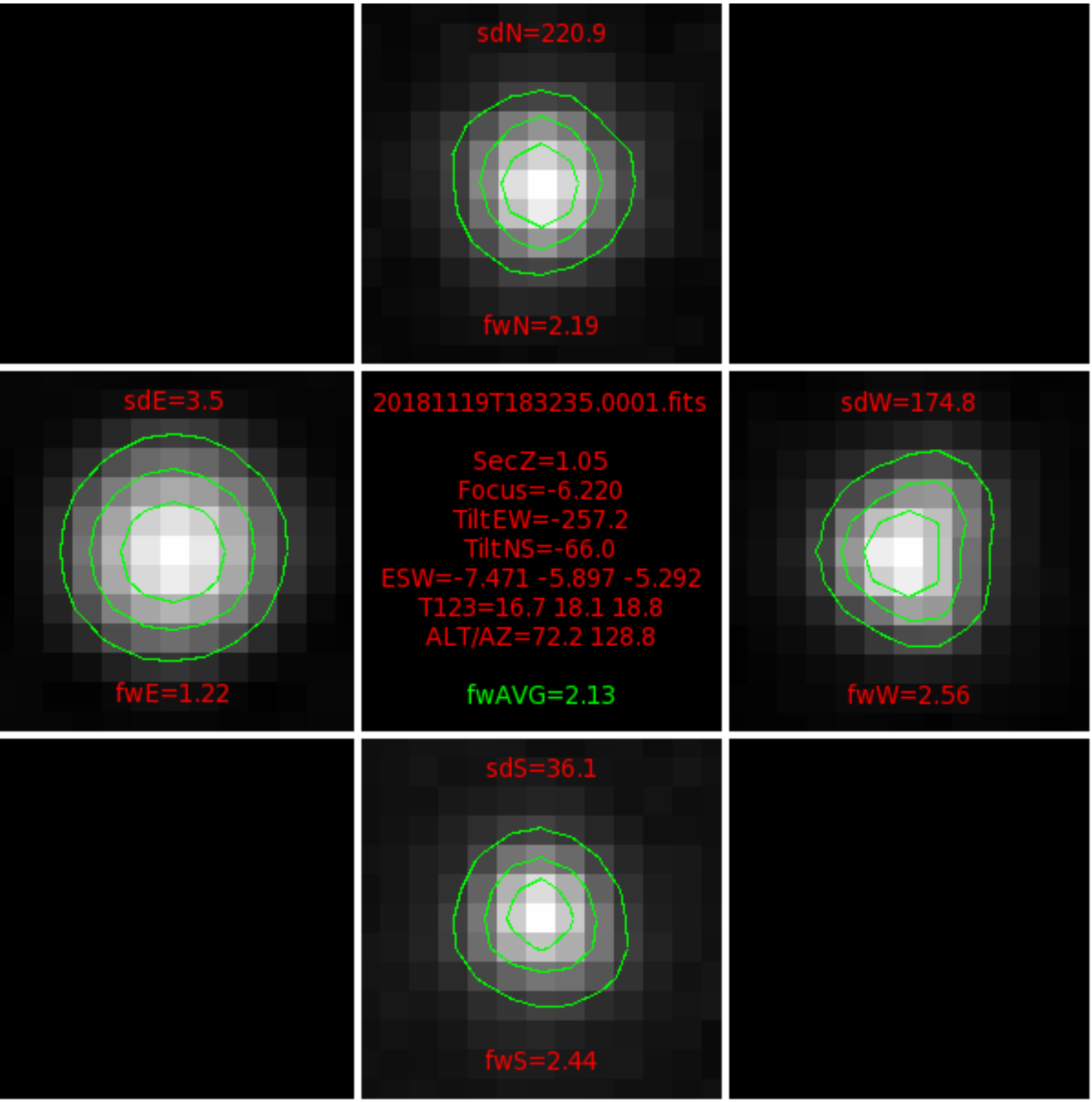
sdN=220.9
fwN=2.19
sdE=3.5
fwE=1.22
20181119T183235.0001.fits
SecZ=1.05
Focus=-6.220
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.471 -5.897 -5.292
T123=16.7 18.1 18.8
ALT/AZ=72.2 128.8
fwAVG=2.13
sdW=174.8
fwW=2.56
sdS=36.1
fwS=2.44
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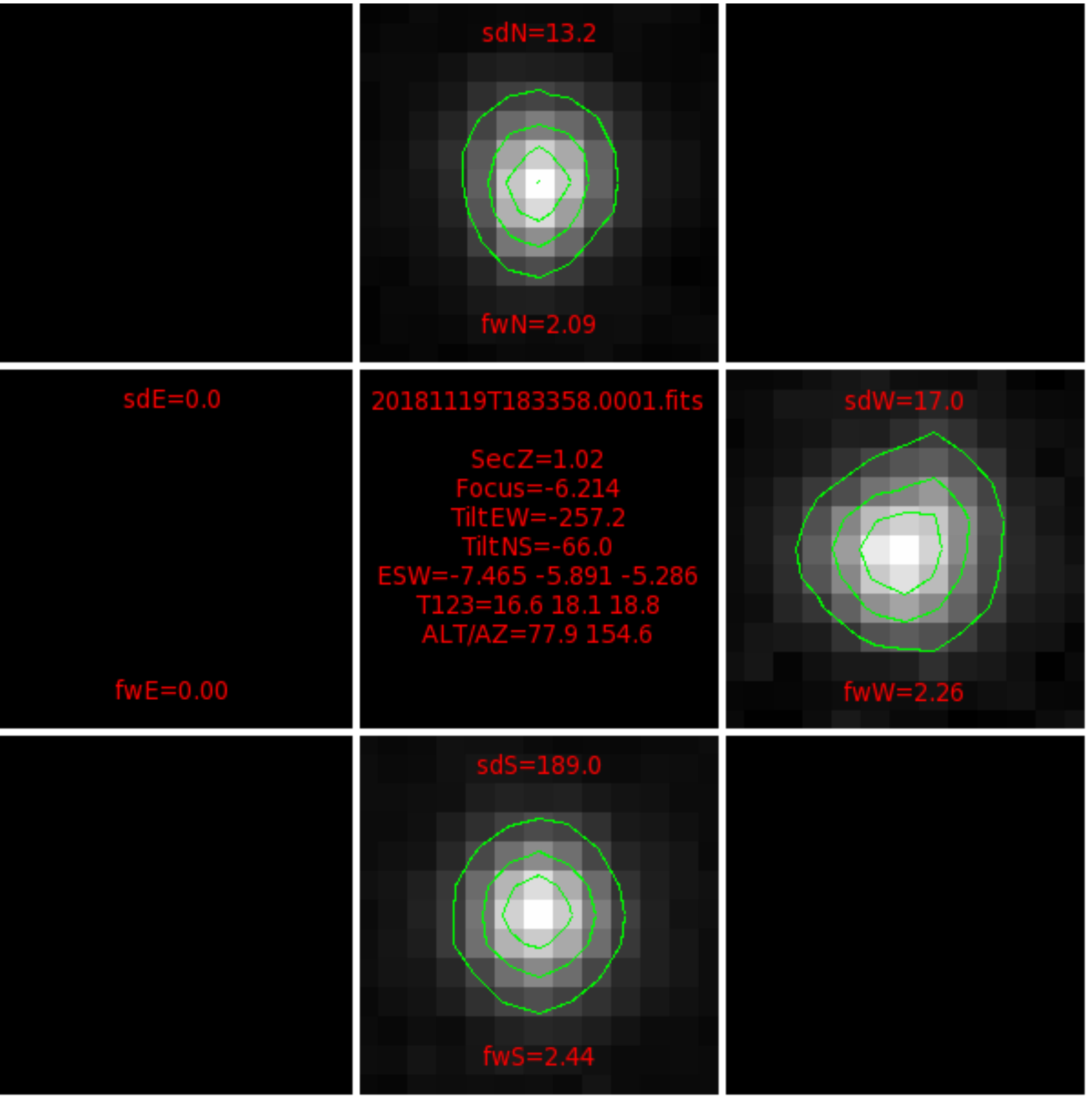
sdN=13.2
fwN=2.09
sdE=0.0
fwE=0.00
20181119T183358.0001.fits
SecZ=1.02
Focus=-6.214
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.465 -5.891 -5.286
T123=16.6 18.1 18.8
ALT/AZ=77.9 154.6
sdW=17.0
fwW=2.26
sdS=189.0
fwS=2.44
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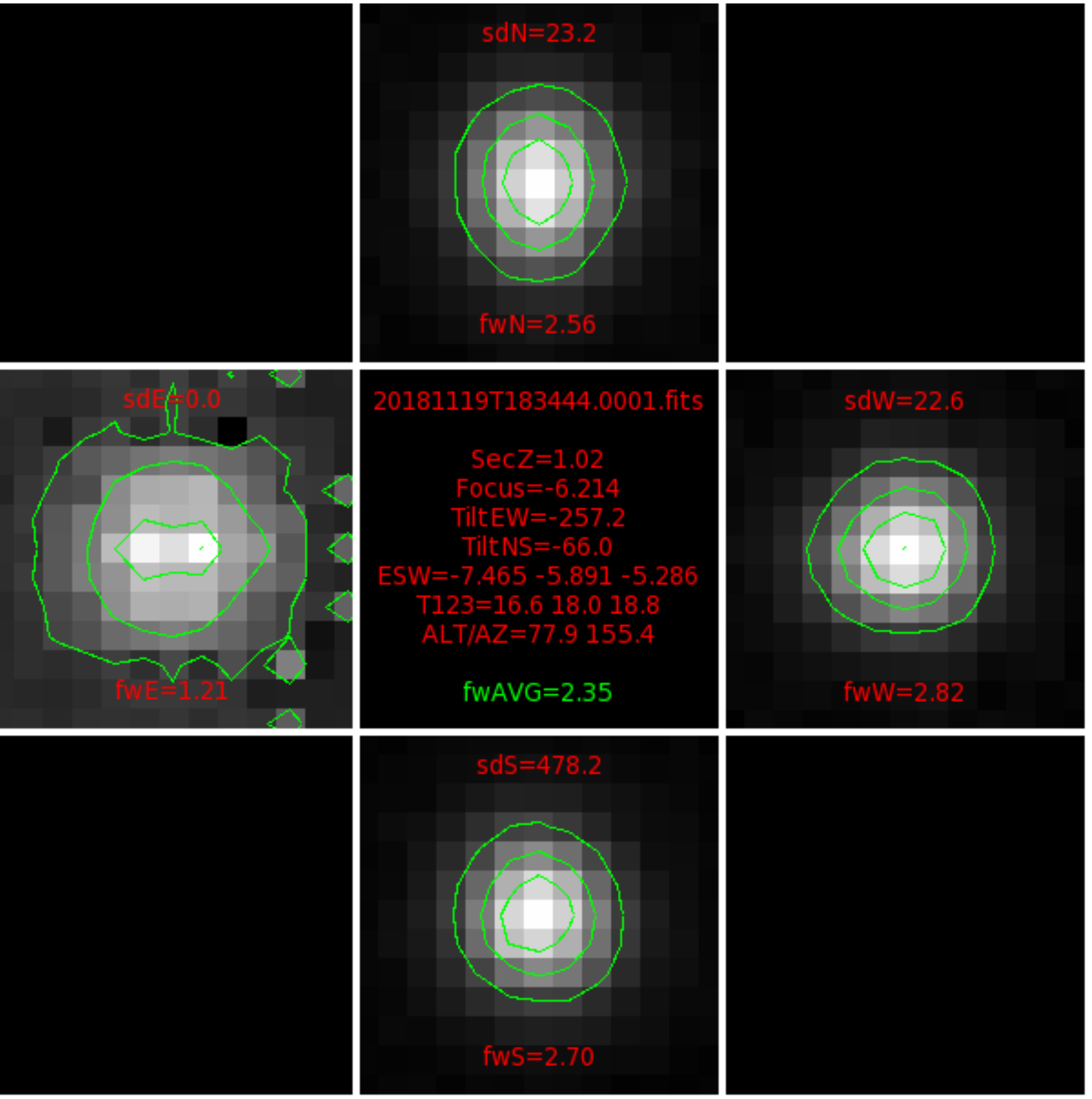
sdN=23.2
fwN=2.56
sdE=0.0
fwE=1.21
20181119T183444.0001.fits
SecZ=1.02
Focus=-6.214
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.465 -5.891 -5.286
T123=16.6 18.0 18.8
ALT/AZ=77.9 155.4
fwAVG=2.35
sdW=22.6
fwW=2.82
sdS=478.2
fwS=2.70
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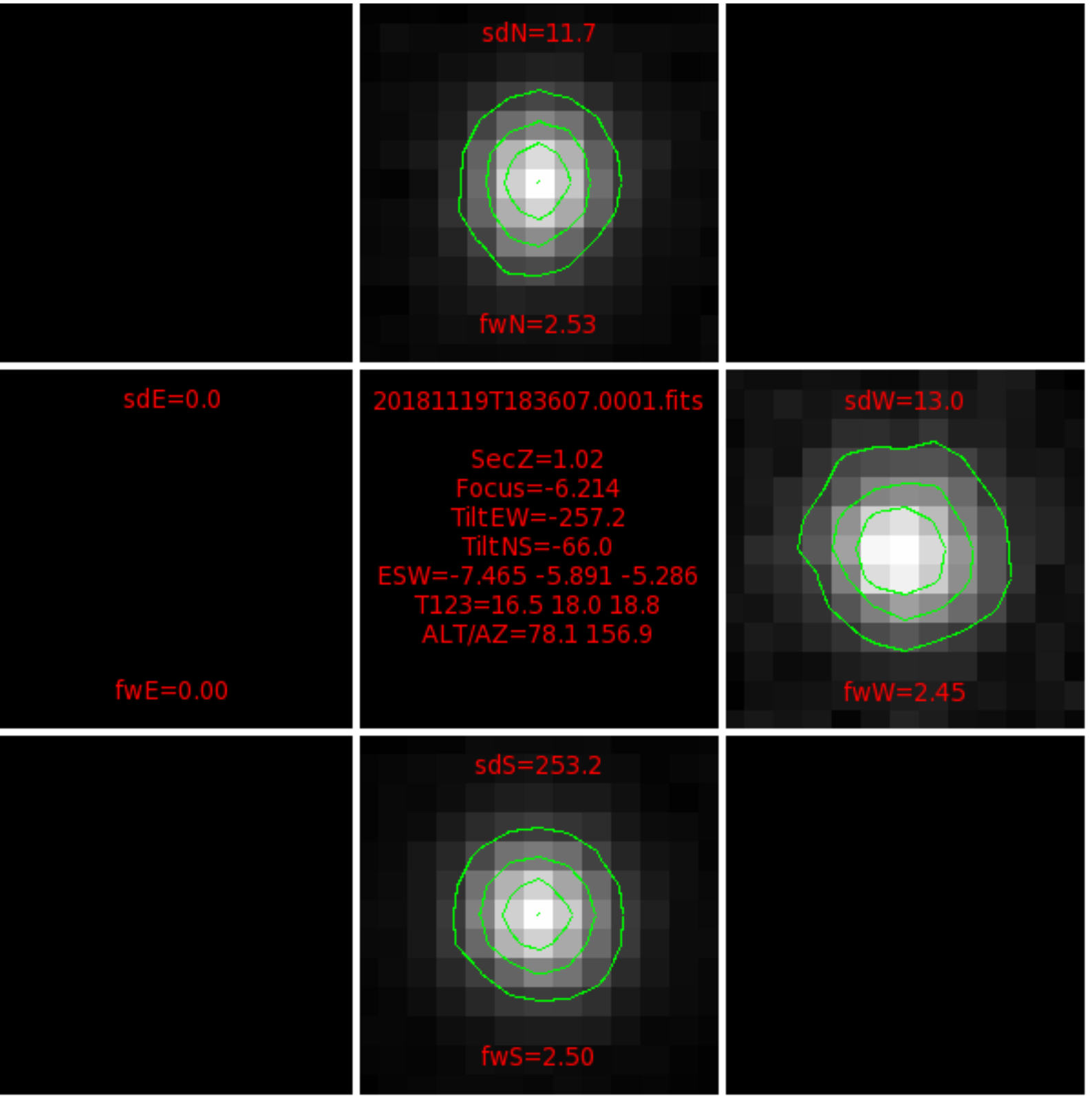
sdN=11.7
fwN=2.53
sdE=0.0
fwE=0.00
20181119T183607.0001.fits
SecZ=1.02
Focus=-6.214
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.465 -5.891 -5.286
T123=16.5 18.0 18.8
ALT/AZ=78.1 156.9
sdW=13.0
fwW=2.45
sdS=253.2
fwS=2.50
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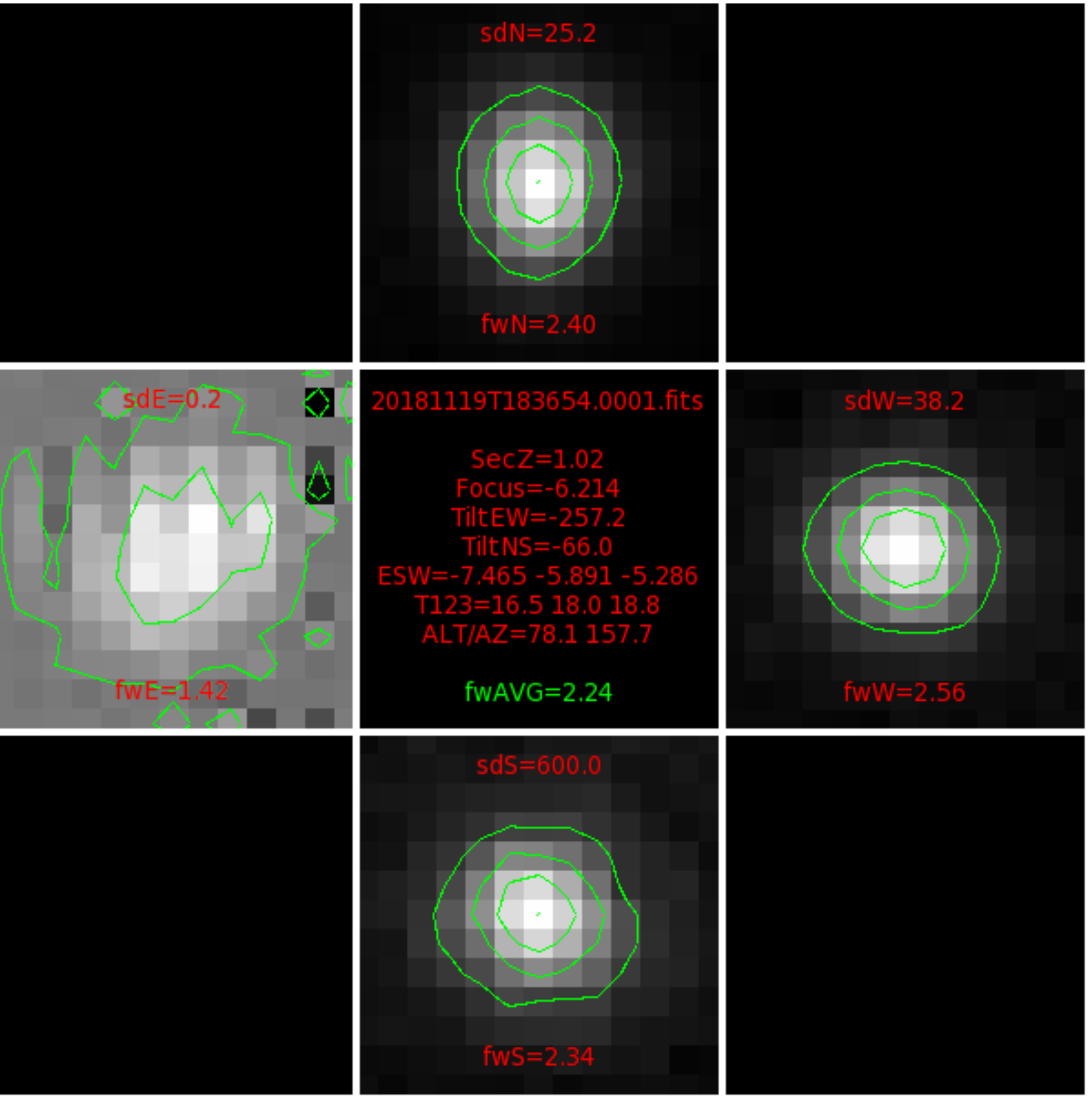
sdN=25.2
fwN=2.40
sdE=0.2
fwE=1.42
20181119T183654.0001.fits
SecZ=1.02
Focus=-6.214
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.465 -5.891 -5.286
T123=16.5 18.0 18.8
ALT/AZ=78.1 157.7
fwAVG=2.24
sdW=38.2
fwW=2.56
sdS=600.0
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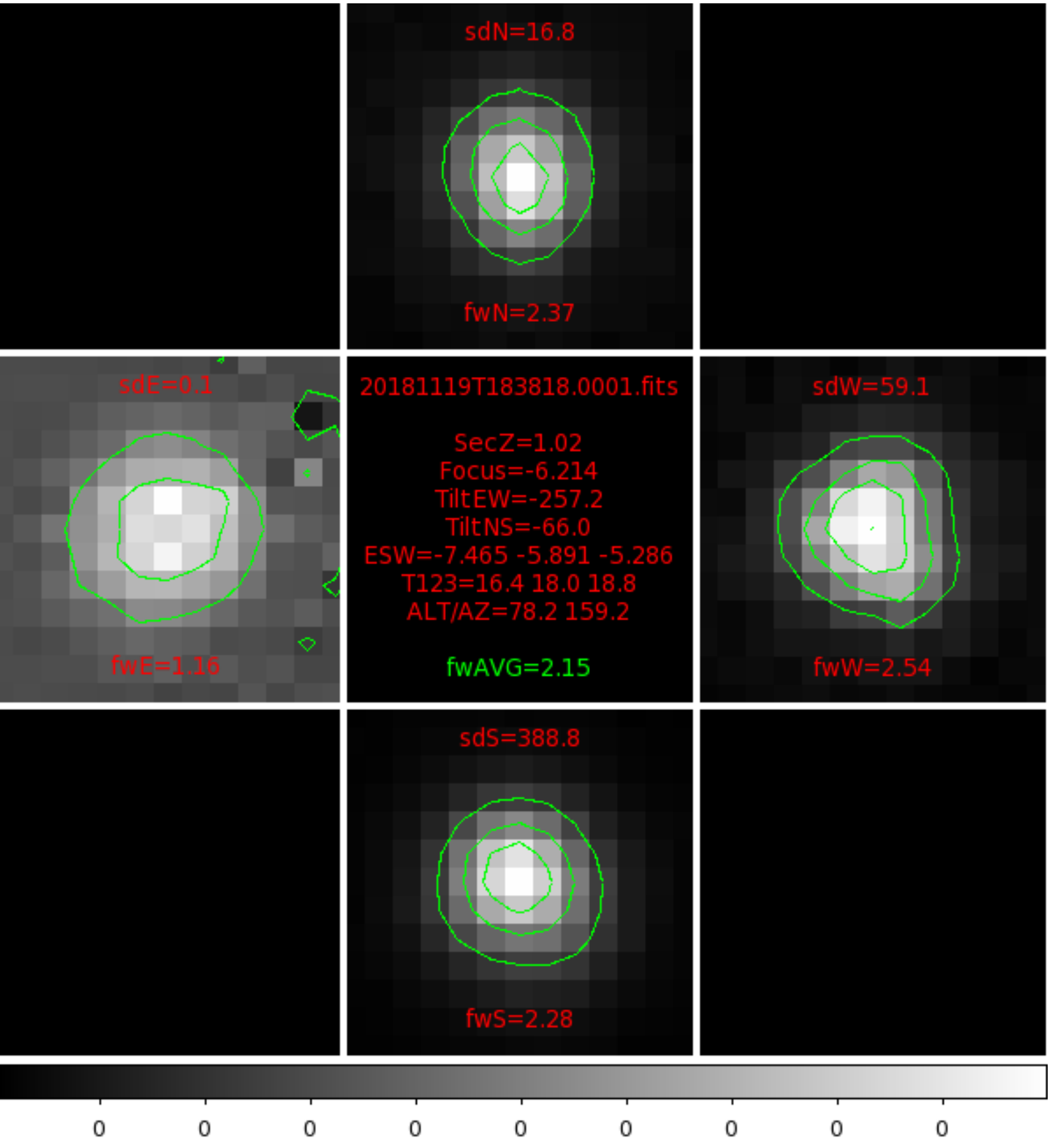
sdN=16.8
fwN=2.37
sdE=0.1
fwE=1.16
20181119T183818.0001.fits
SecZ=1.02
Focus=-6.214
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.465 -5.891 -5.286
T123=16.4 18.0 18.8
ALT/AZ=78.2 159.2
fwAVG=2.15
sdW=59.1
fwW=2.54
sdS=388.8
fwS=2.28
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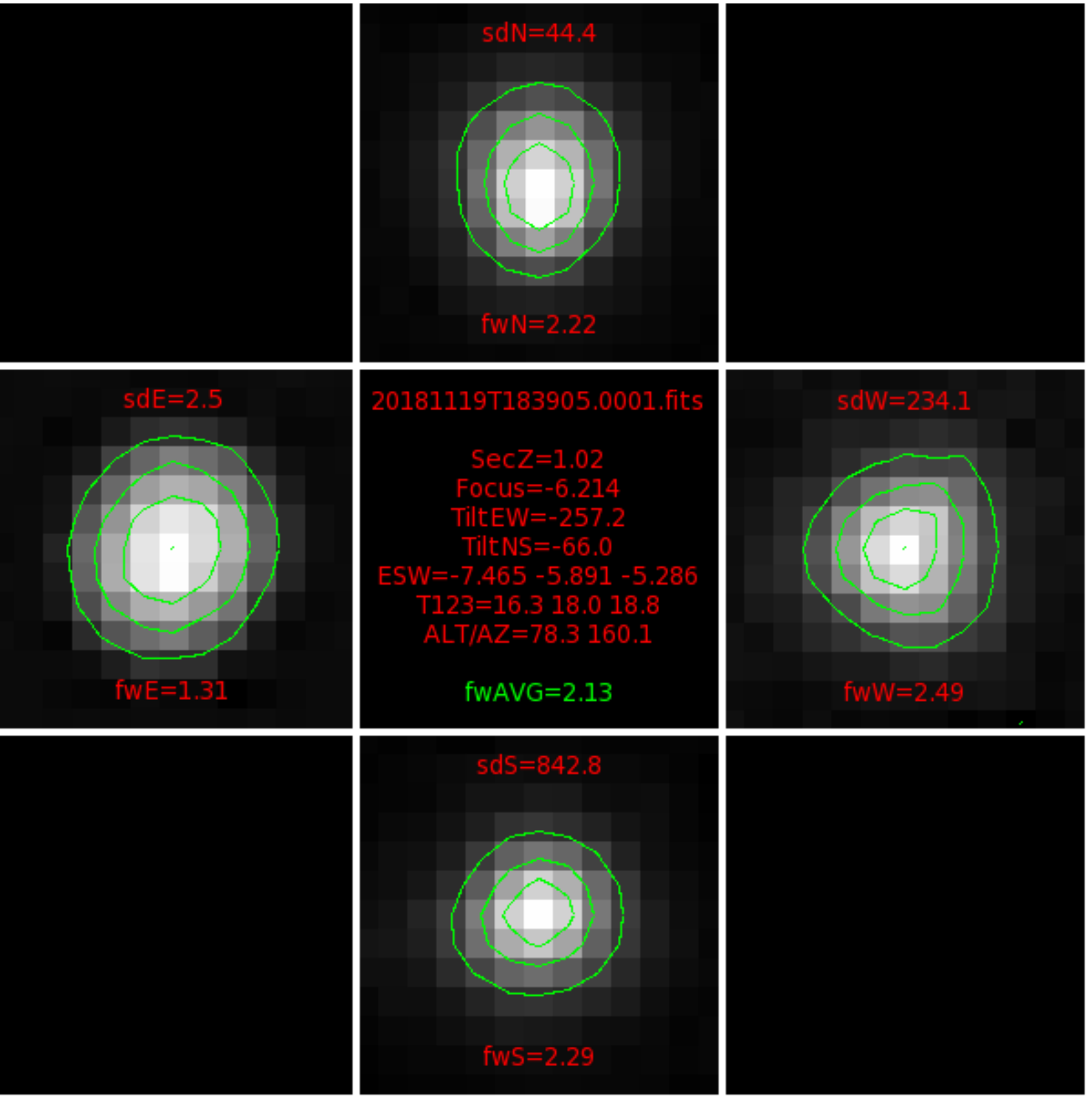
sdN=44.4
fwN=2.22
sdE=2.5
fwE=1.31
20181119T183905.0001.fits
SecZ=1.02
Focus=-6.214
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.465 -5.891 -5.286
T123=16.3 18.0 18.8
ALT/AZ=78.3 160.1
fwAVG=2.13
sdW=234.1
fwW=2.49
sdS=842.8
fwS=2.29
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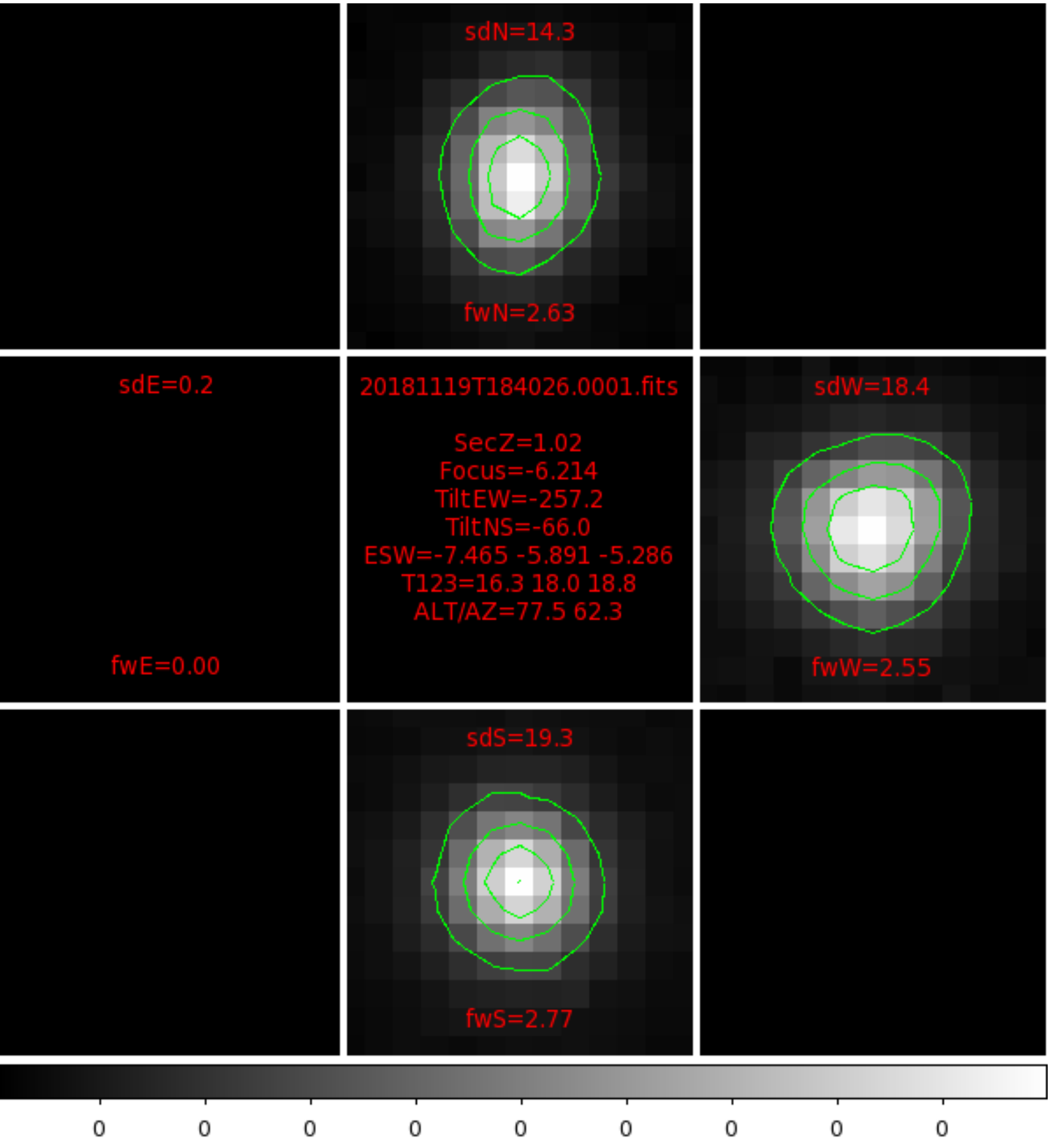
sdN=14.3
fwN=2.63
sdE=0.2
fwE=0.00
20181119T184026.0001.fits
SecZ=1.02
Focus=-6.214
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.465 -5.891 -5.286
T123=16.3 18.0 18.8
ALT/AZ=77.5 62.3
sdW=18.4
fwW=2.55
sdS=19.3
fwS=2.77
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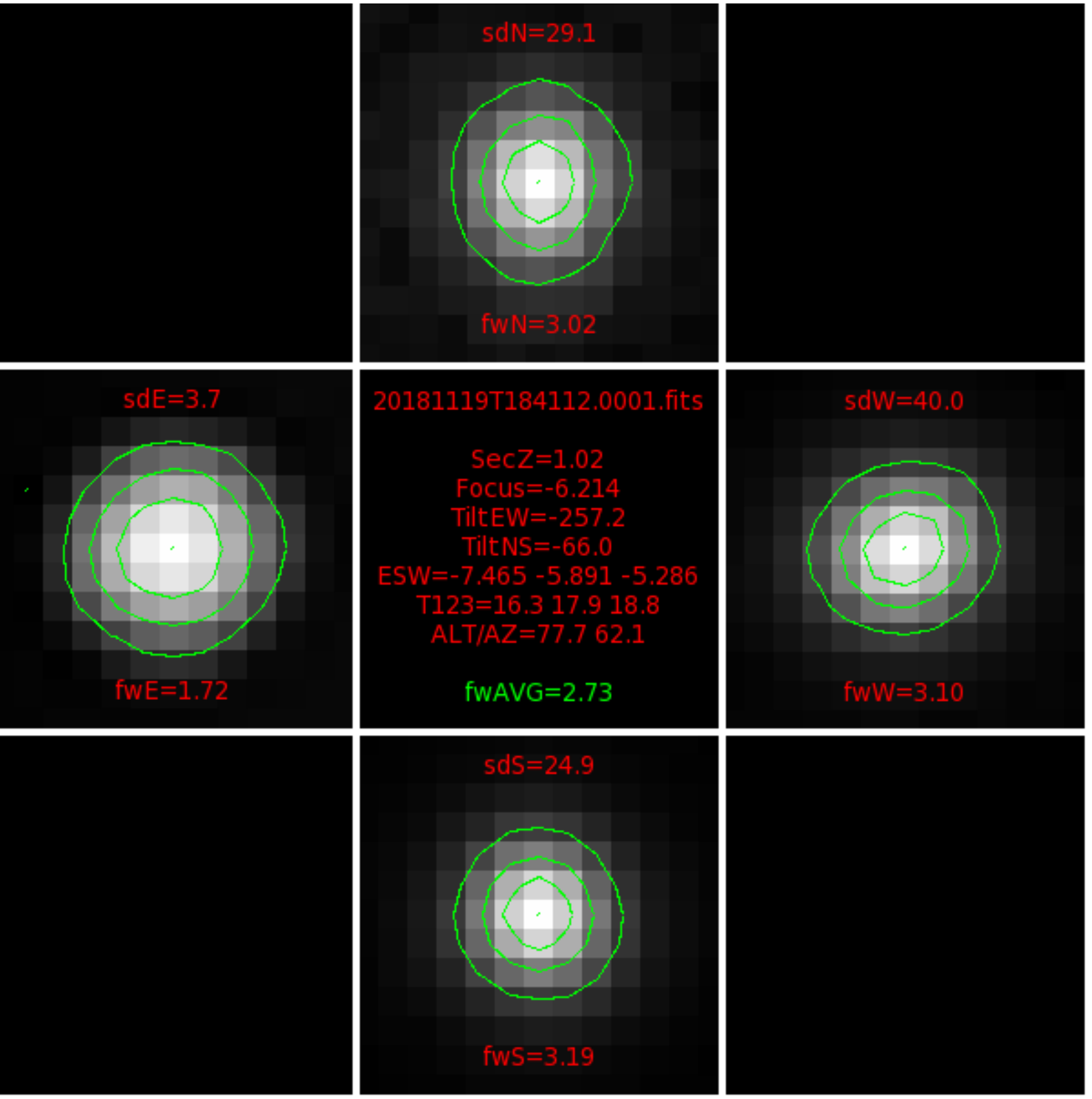
sdN=29.1
fwN=3.02
sdE=3.7
fwE=1.72
20181119T184112.0001.fits
SecZ=1.02
Focus=-6.214
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.465 -5.891 -5.286
T123=16.3 17.9 18.8
ALT/AZ=77.7 62.1
fwAVG=2.73
sdW=40.0
fwW=3.10
sdS=24.9
fwS=3.19
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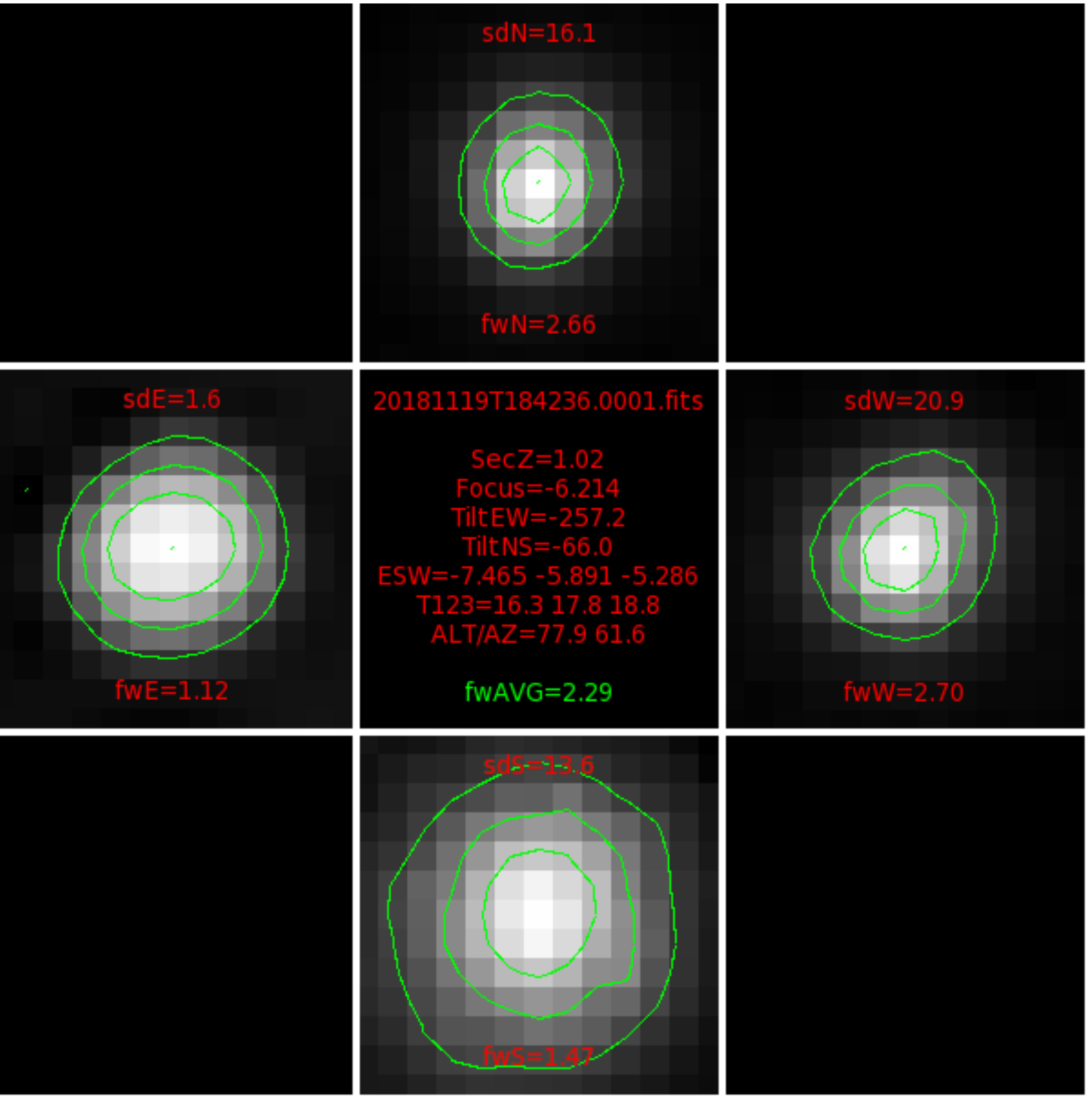
sdN=16.1
fwN=2.66
sdE=1.6
fwE=1.12
20181119T184236.0001.fits
SecZ=1.02
Focus=-6.214
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.465 -5.891 -5.286
T123=16.3 17.8 18.8
ALT/AZ=77.9 61.6
fwAVG=2.29
sdW=20.9
fwW=2.70
sdS=13.6
fwS=1.47
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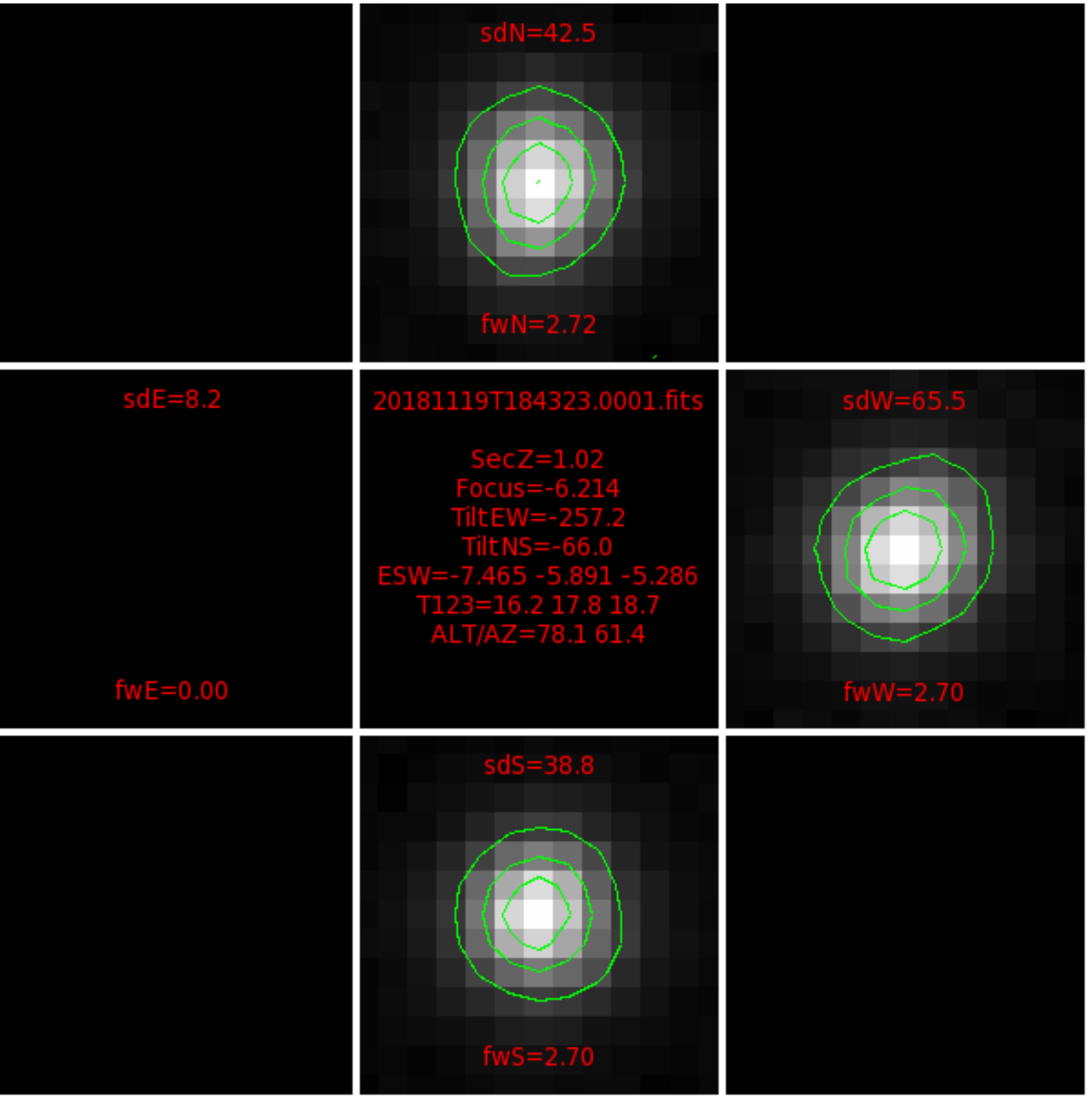
sdN=42.5
fwN=2.72
sdE=8.2
fwE=0.00
20181119T184323.0001.fits
SecZ=1.02
Focus=-6.214
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.465 -5.891 -5.286
T123=16.2 17.8 18.7
ALT/AZ=78.1 61.4
sdW=65.5
fwW=2.70
sdS=38.8
fwS=2.70
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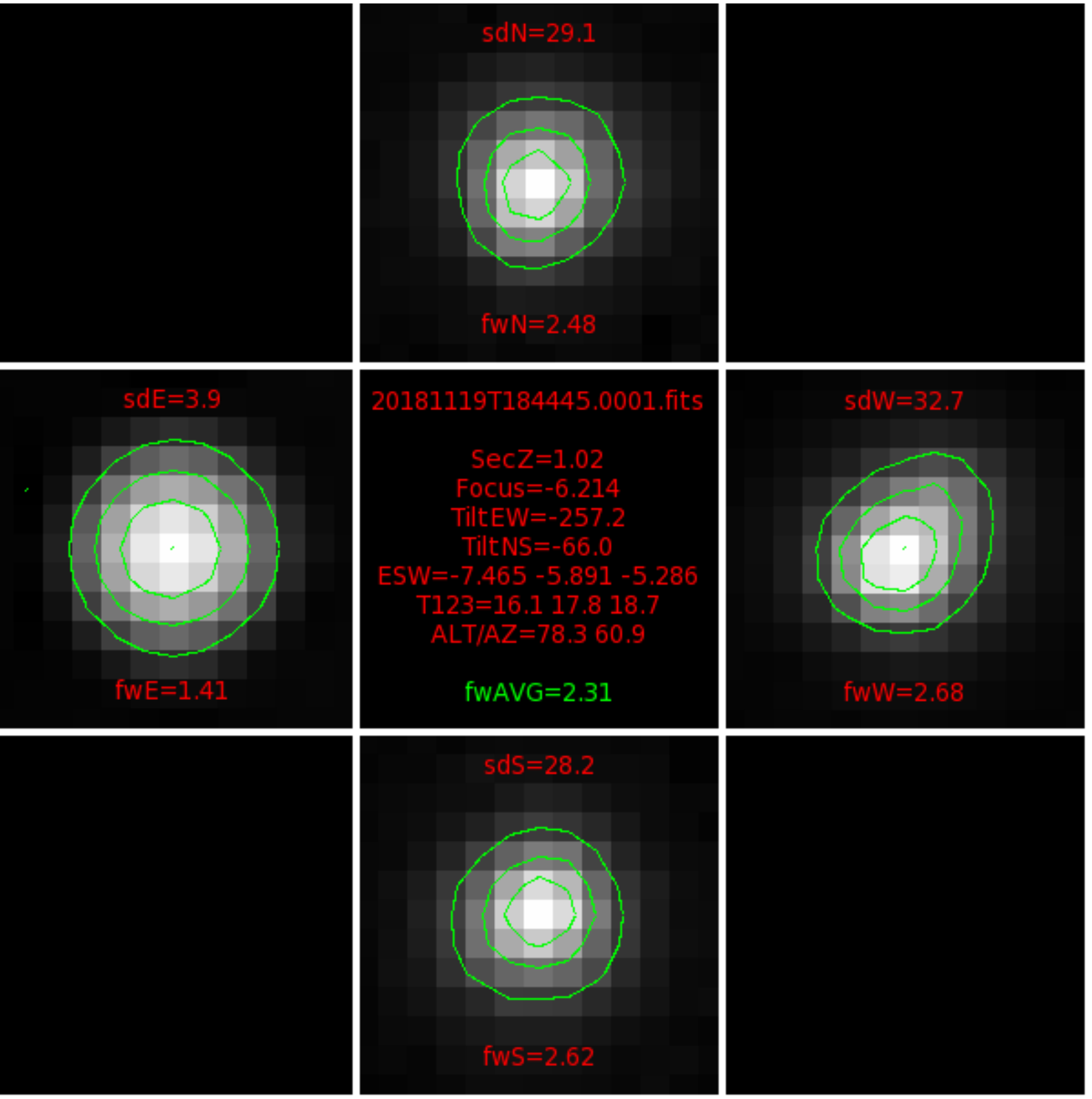
sdN=29.1
fwN=2.48
sdE=3.9
fwE=1.41
20181119T184445.0001.fits
SecZ=1.02
Focus=-6.214
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.465 -5.891 -5.286
T123=16.1 17.8 18.7
ALT/AZ=78.3 60.9
fwAVG=2.31
sdW=32.7
fwW=2.68
sdS=28.2
fwS=2.62
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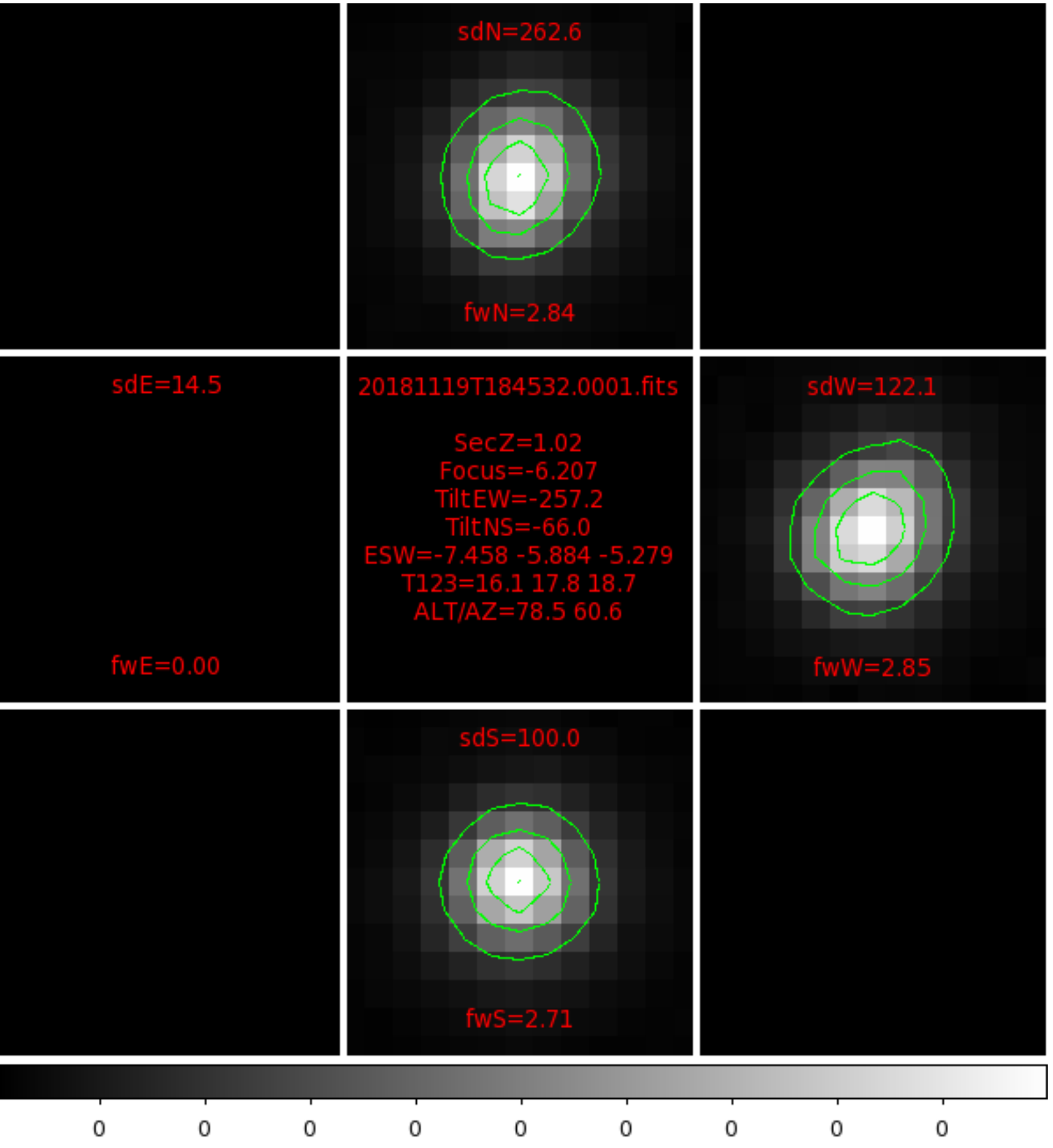
sdN=262.6
fwN=2.84
sdE=14.5
fwE=0.00
20181119T184532.0001.fits
SecZ=1.02
Focus=-6.207
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.458 -5.884 -5.279
T123=16.1 17.8 18.7
ALT/AZ=78.5 60.6
sdW=122.1
fwW=2.85
sdS=100.0
fwS=2.71
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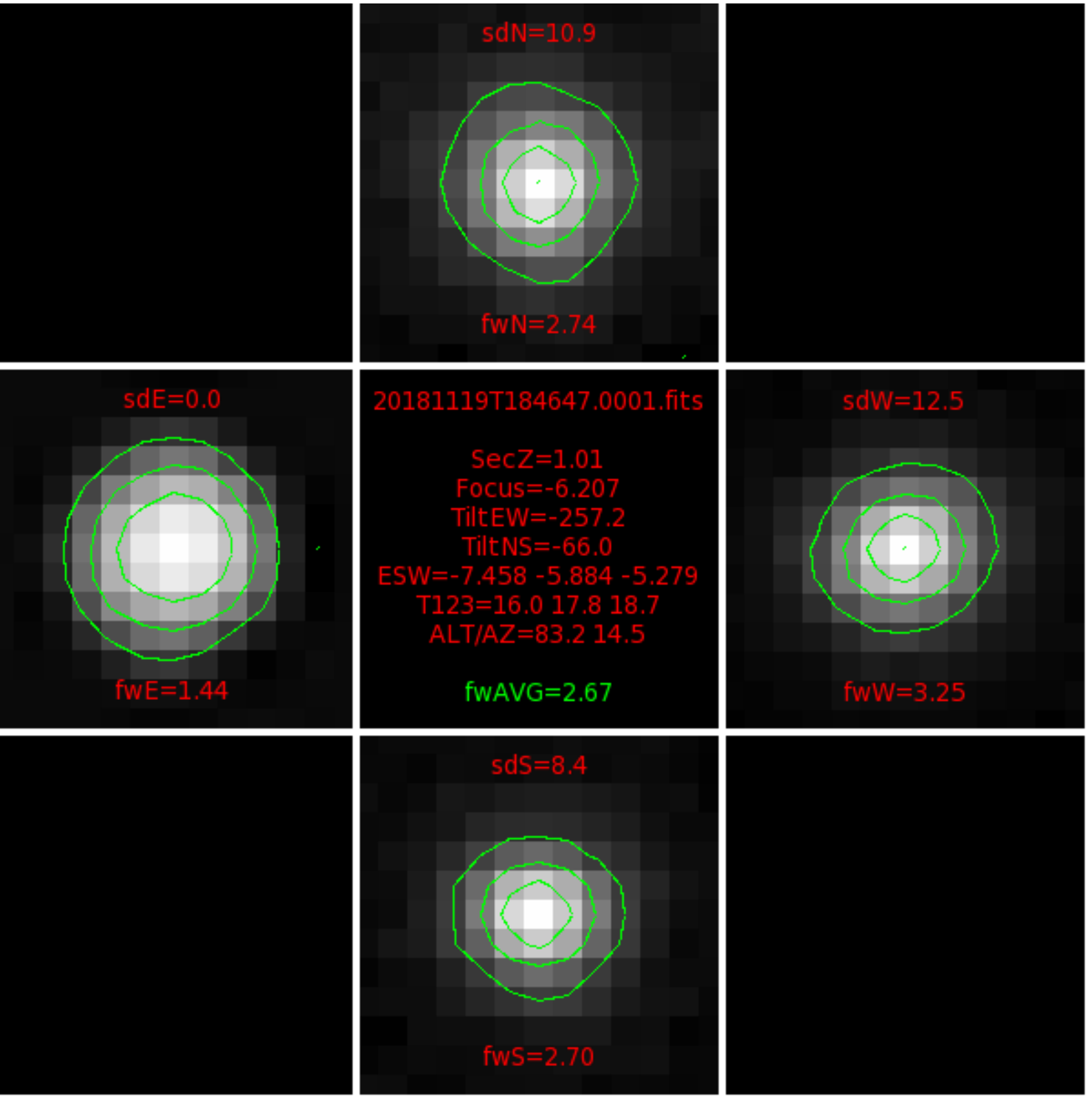
sdN=10.9
fwN=2.74
sdE=0.0
fwE=1.44
20181119T184647.0001.fits
SecZ=1.01
Focus=-6.207
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.458 -5.884 -5.279
T123=16.0 17.8 18.7
ALT/AZ=83.2 14.5
fwAVG=2.67
sdW=12.5
fwW=3.25
sdS=8.4
fwS=2.70
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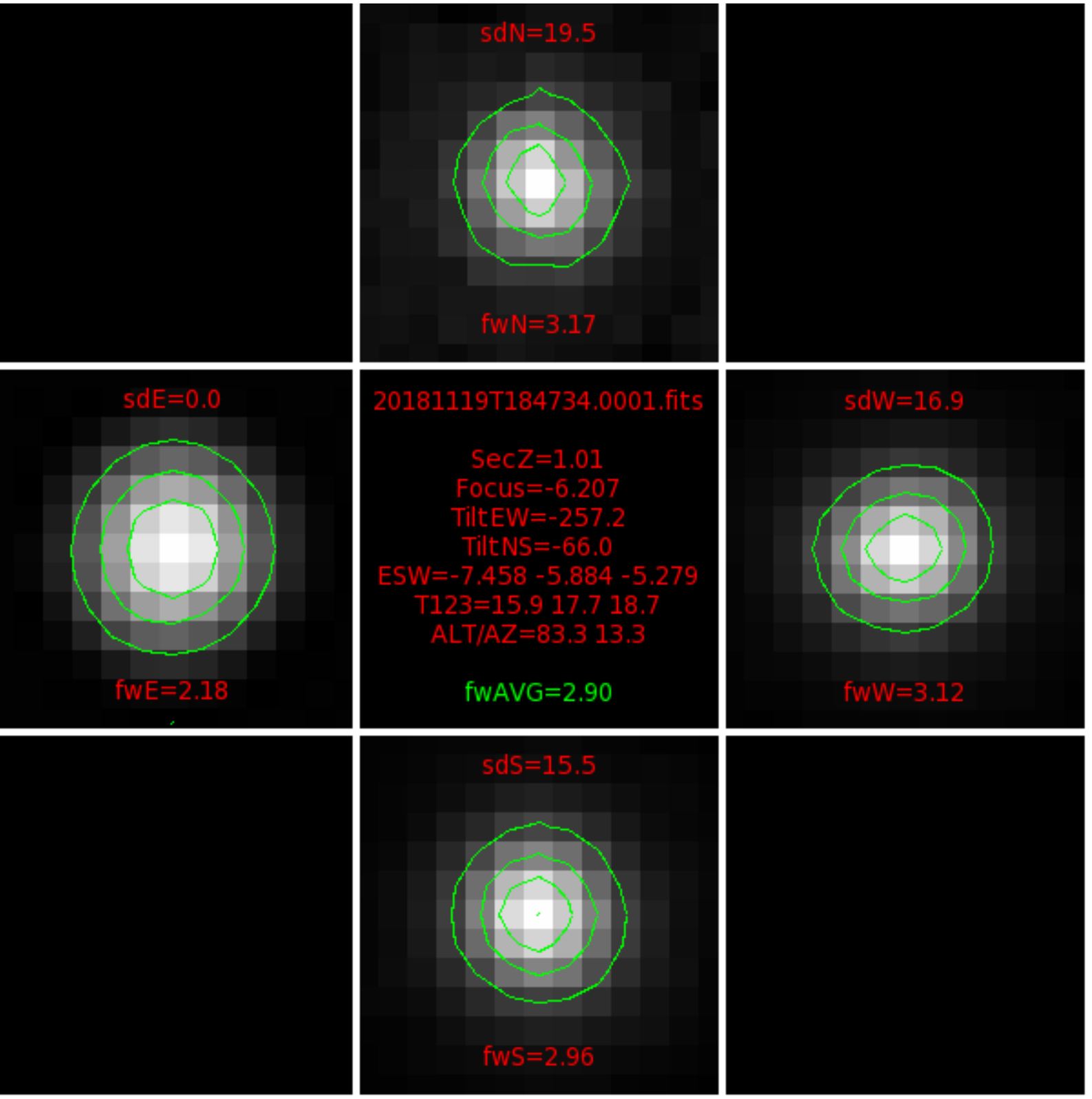
sdN=19.5
fwN=3.17
sdE=0.0
fwE=2.18
20181119T184734.0001.fits
SecZ=1.01
Focus=-6.207
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.458 -5.884 -5.279
T123=15.9 17.7 18.7
ALT/AZ=83.3 13.3
fwAVG=2.90
sdW=16.9
fwW=3.12
sdS=15.5
fwS=2.96
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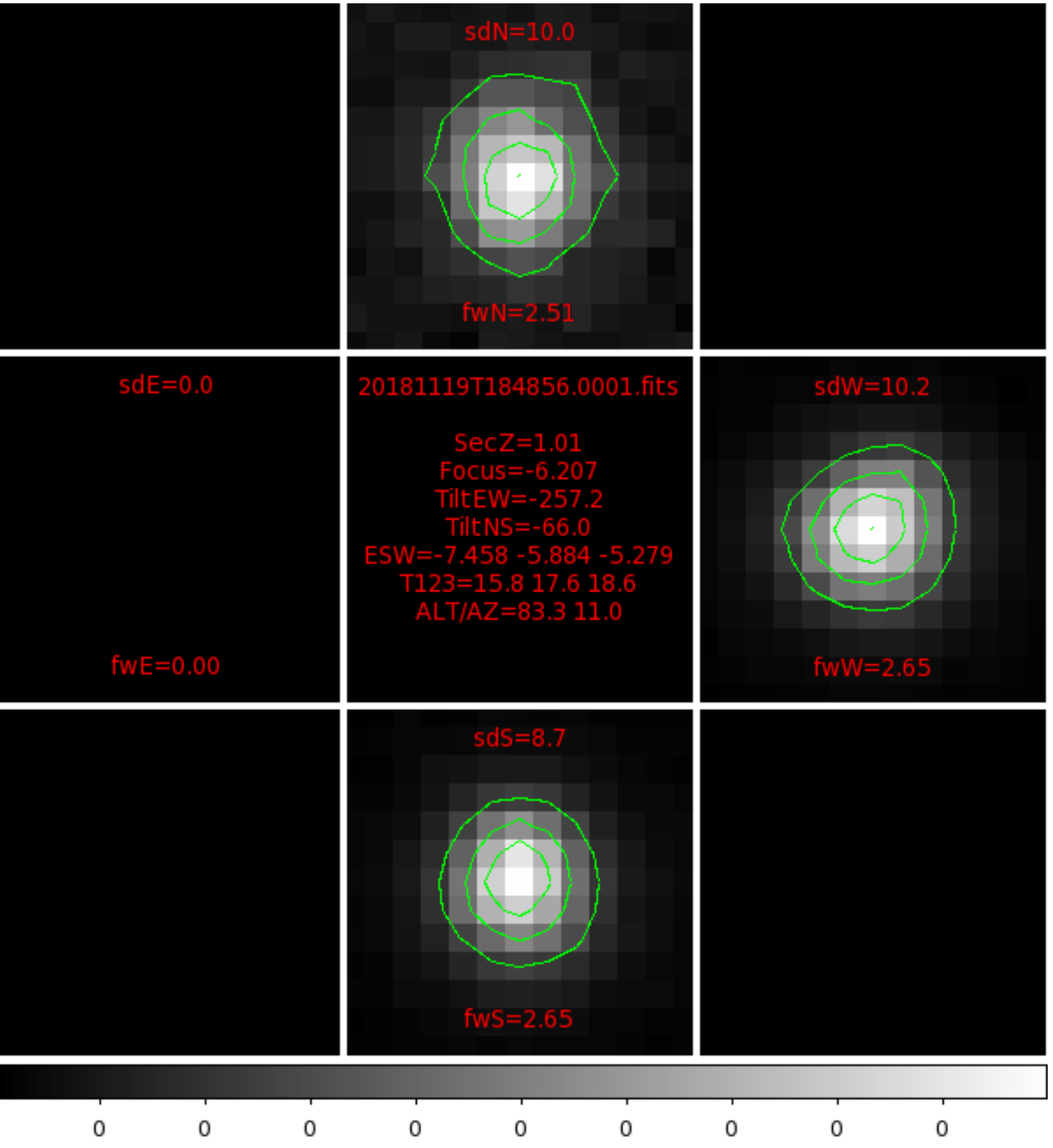
sdN=10.0
fwN=2.51
sdE=0.0
fwE=0.00
20181119T184856.0001.fits
SecZ=1.01
Focus=-6.207
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.458 -5.884 -5.279
T123=15.8 17.6 18.6
ALT/AZ=83.3 11.0
sdW=10.2
fwW=2.65
sdS=8.7
fwS=2.65
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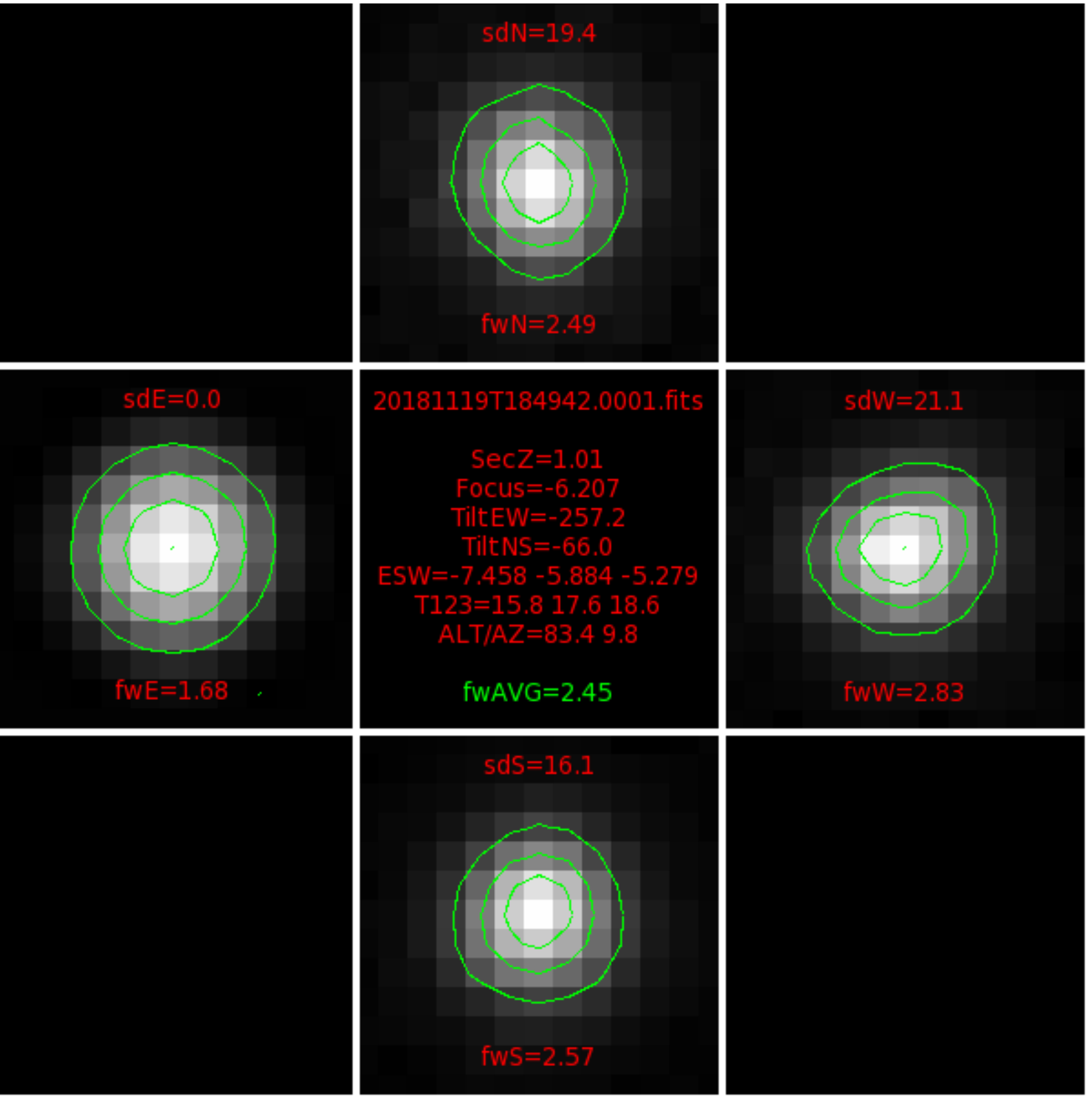
sdN=19.4
fwN=2.49
sdE=0.0
fwE=1.68
20181119T184942.0001.fits
SecZ=1.01
Focus=-6.207
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.458 -5.884 -5.279
T123=15.8 17.6 18.6
ALT/AZ=83.4 9.8
fwAVG=2.45
sdW=21.1
fwW=2.83
sdS=16.1
fwS=2.57
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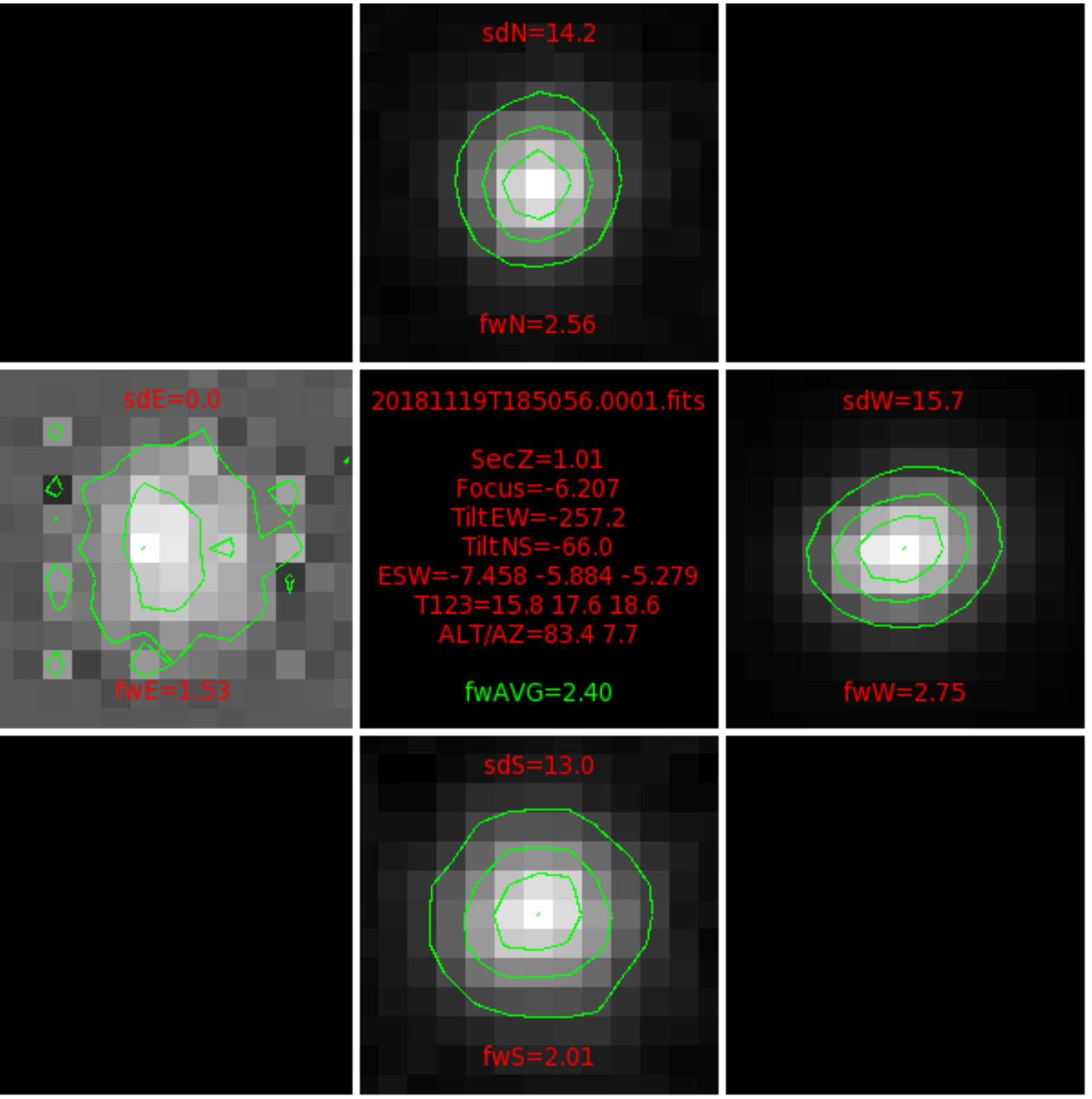
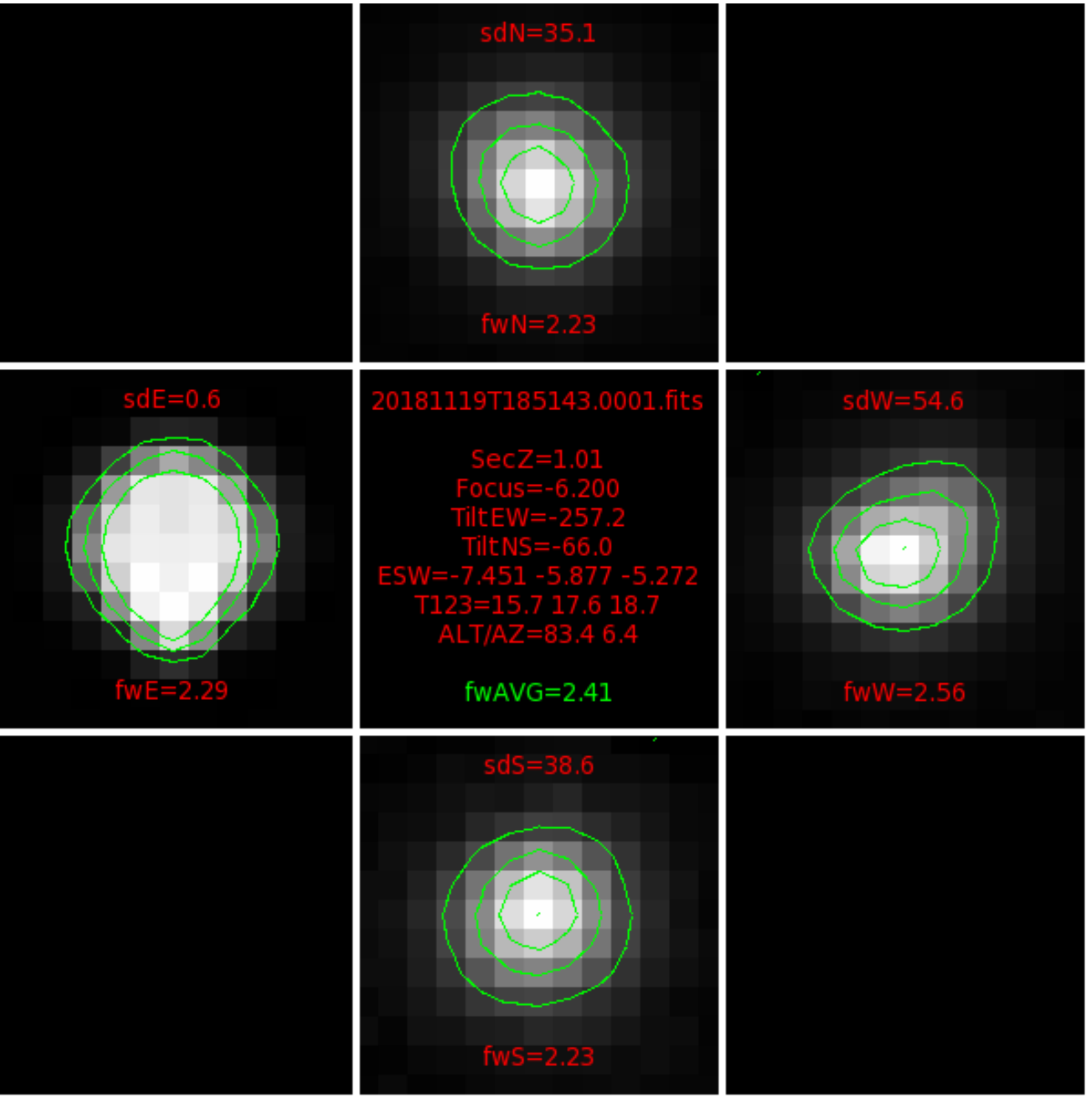

sdN=14.2
fwN=2.56
sdE=0.0
fwE=1.53
20181119T185056.0001.fits
SecZ=1.01
Focus=-6.207
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.458 -5.884 -5.279
T123=15.8 17.6 18.6
ALT/AZ=83.4 7.7
fwAVG=2.40
sdW=15.7
fwW=2.75
sdS=13.0
fwS=2.01
0 0 0 0 0 0 0 0 0


sdN=35.1
fwN=2.23
sdE=0.6
fwE=2.29
20181119T185143.0001.fits
SecZ=1.01
Focus=-6.200
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.451 -5.877 -5.272
T123=15.7 17.6 18.7
ALT/AZ=83.4 6.4
fwAVG=2.41
sdW=54.6
fwW=2.56
sdS=38.6
fwS=2.23
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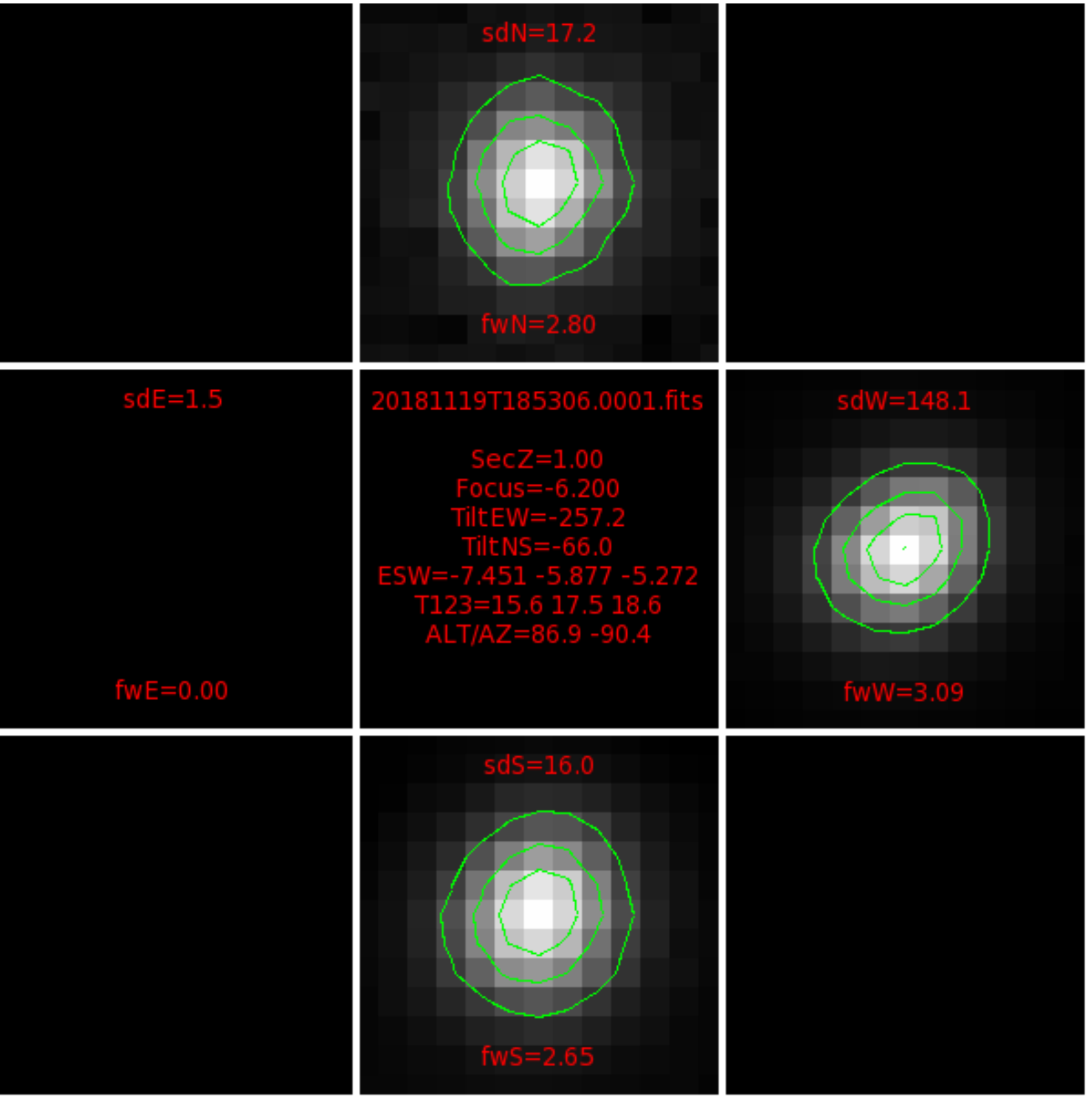
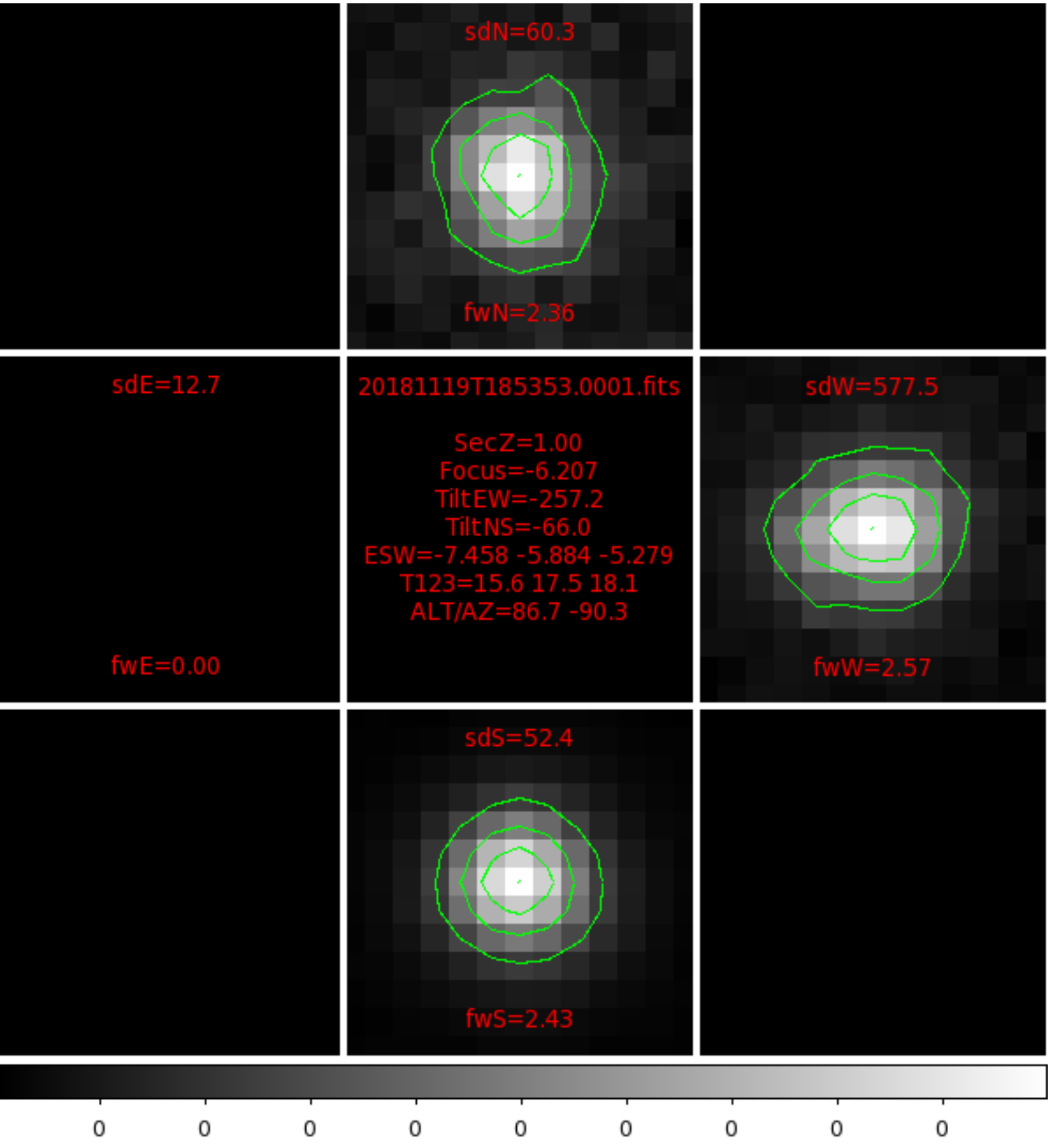

sdN=17.2
fwN=2.80
sdE=1.5
fwE=0.00
20181119T185306.0001.fits
SecZ=1.00
Focus=-6.200
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.451 -5.877 -5.272
T123=15.6 17.5 18.6
ALT/AZ=86.9 -90.4
sdW=148.1
fwW=3.09
sdS=16.0
fwS=2.65
0 0 0 0 0 0 0 0 0


sdN=60.3
fwN=2.36
sdE=12.7
fwE=0.00
20181119T185353.0001.fits
SecZ=1.00
Focus=-6.207
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.458 -5.884 -5.279
T123=15.6 17.5 18.1
ALT/AZ=86.7 -90.3
sdW=577.5
fwW=2.57
sdS=52.4
fwS=2.43
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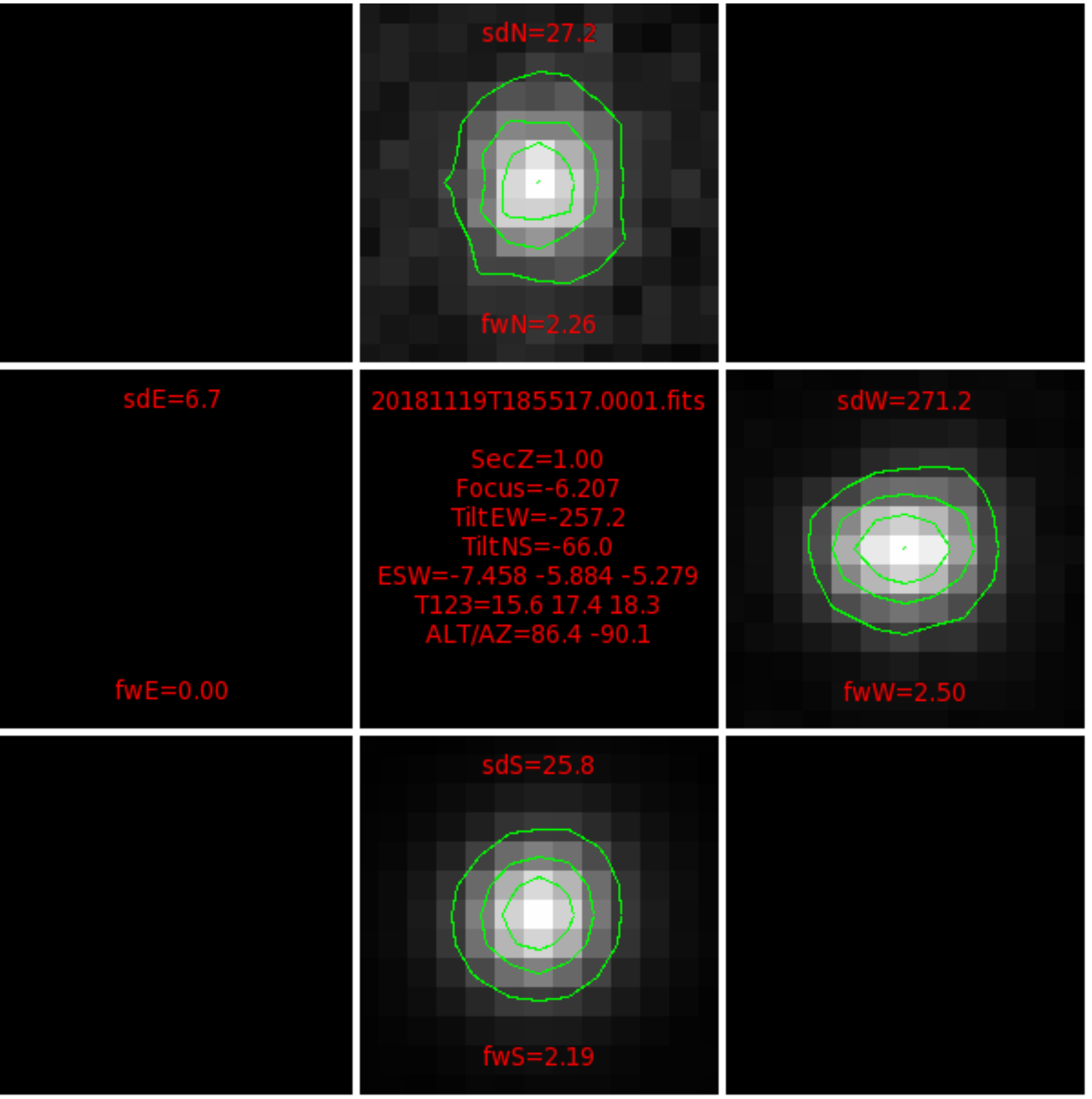
sdN=27.2
fwN=2.26
sdE=6.7
fwE=0.00
20181119T185517.0001.fits
SecZ=1.00
Focus=-6.207
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.458 -5.884 -5.279
T123=15.6 17.4 18.3
ALT/AZ=86.4 -90.1
sdW=271.2
fwW=2.50
sdS=25.8
fwS=2.19
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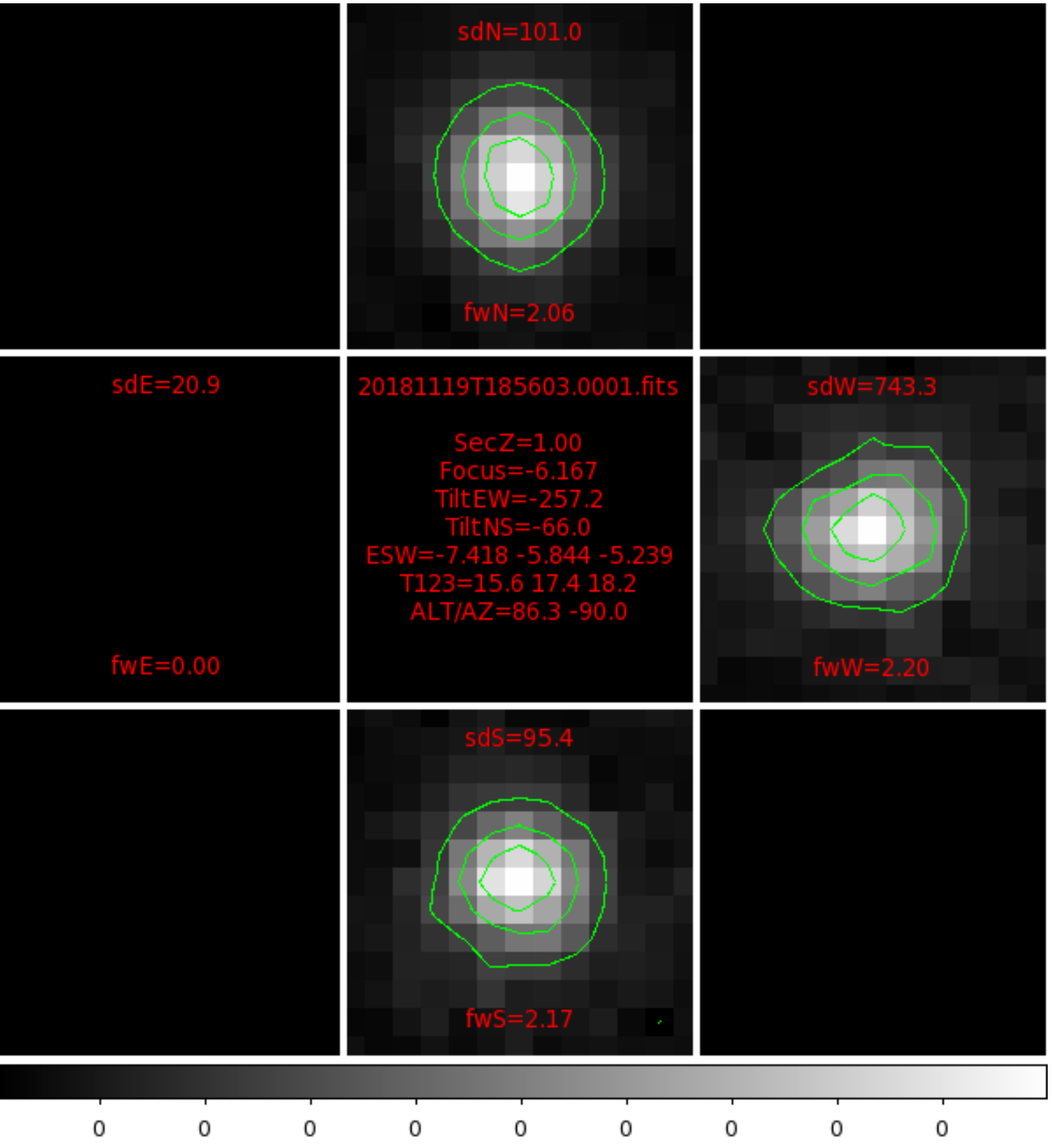
sdN=101.0
fwN=2.06
sdE=20.9
fwE=0.00
20181119T185603.0001.fits
SecZ=1.00
Focus=-6.167
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.418 -5.844 -5.239
T123=15.6 17.4 18.2
ALT/AZ=86.3 -90.0
sdW=743.3
fwW=2.20
sdS=95.4
fwS=2.17
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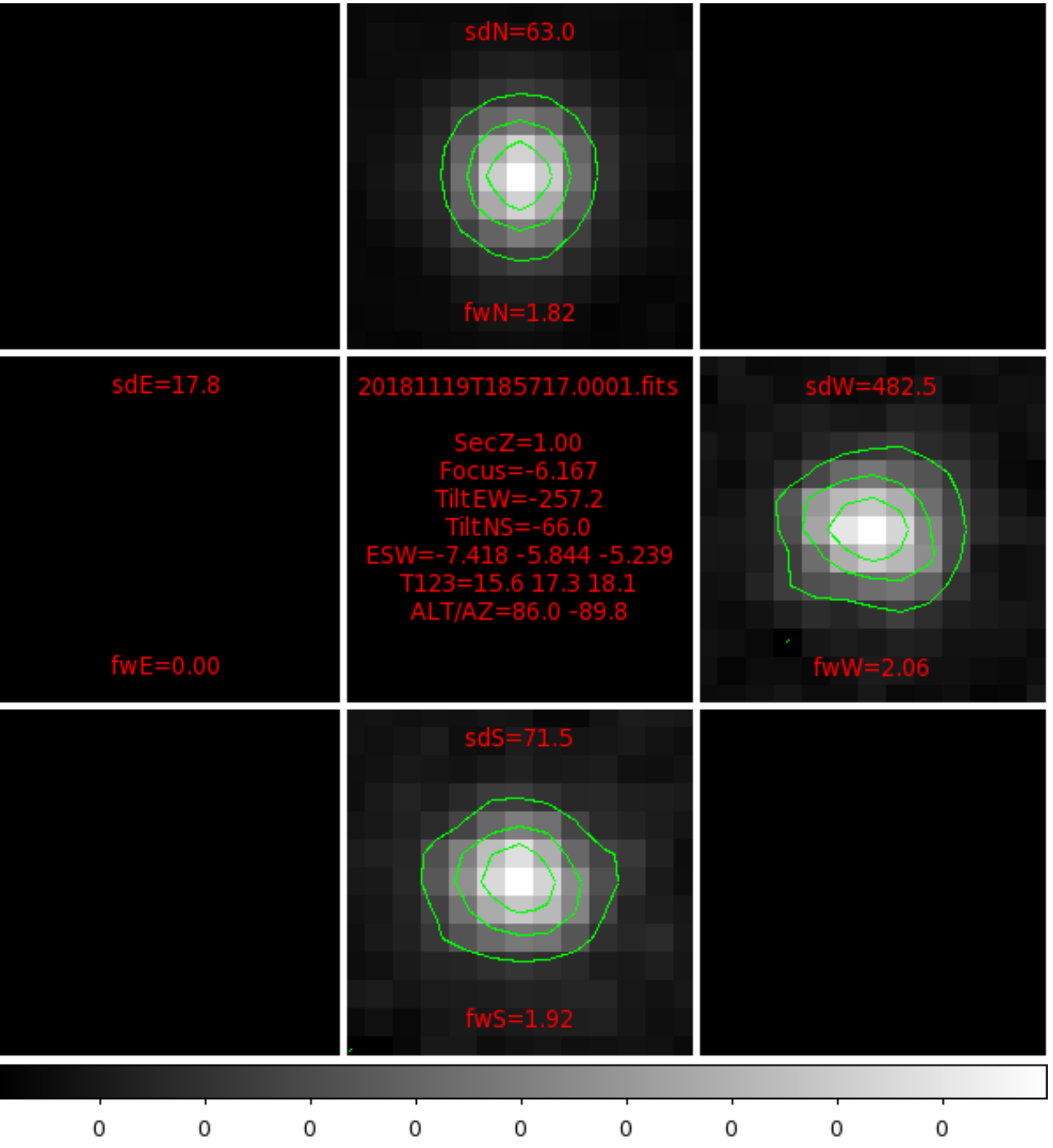
sdN=63.0
fwN=1.82
sdE=17.8
fwE=0.00
20181119T185717.0001.fits
SecZ=1.00
Focus=-6.167
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.418 -5.844 -5.239
T123=15.6 17.3 18.1
ALT/AZ=86.0 -89.8
sdW=482.5
fwW=2.06
sdS=71.5
fwS=1.92
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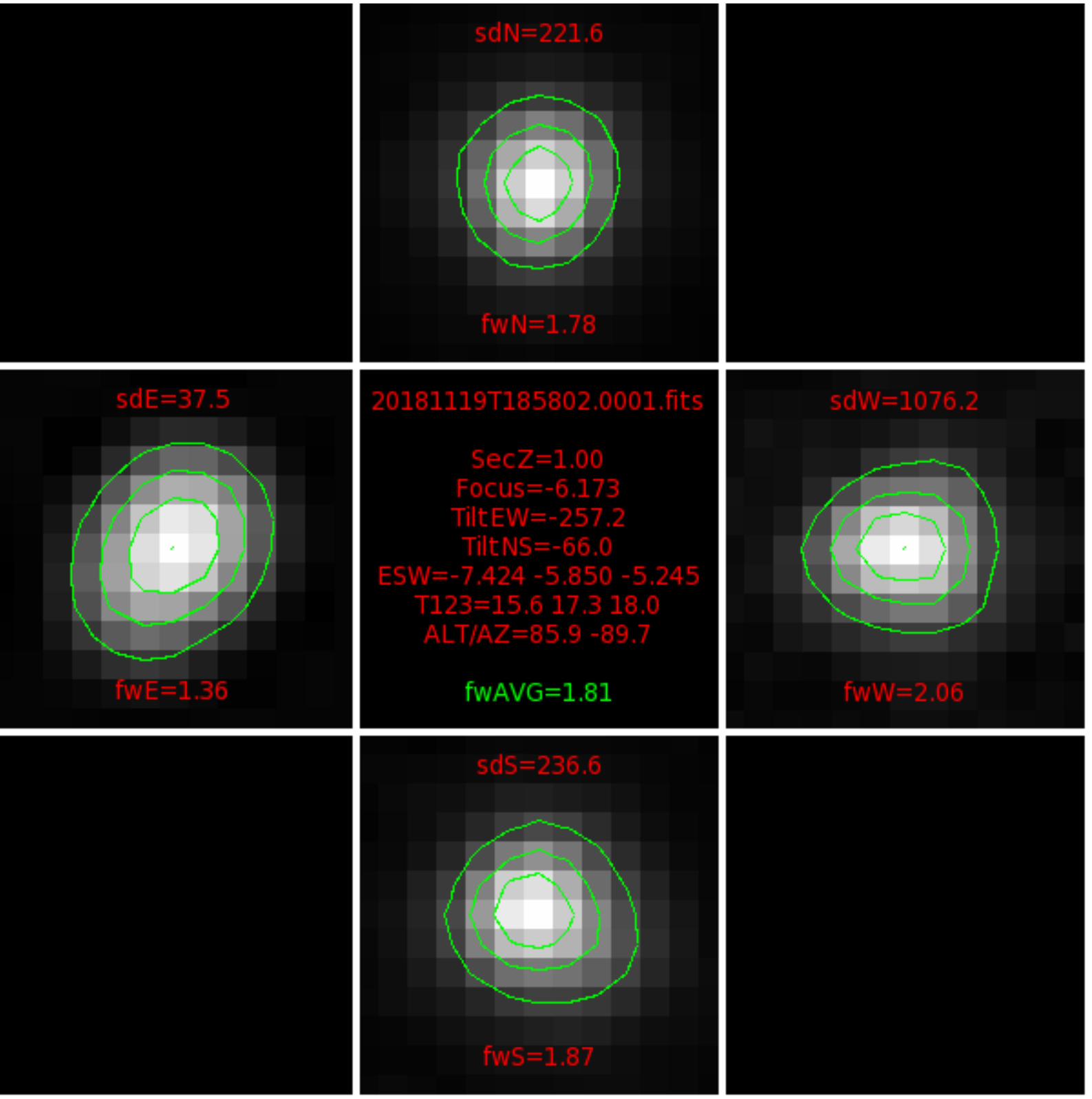
sdN=221.6
fwN=1.78
sdE=37.5
fwE=1.36
20181119T185802.0001.fits
SecZ=1.00
Focus=-6.173
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.424 -5.850 -5.245
T123=15.6 17.3 18.0
ALT/AZ=85.9 -89.7
fwAVG=1.81
sdW=1076.2
fwW=2.06
sdS=236.6
fwS=1.87
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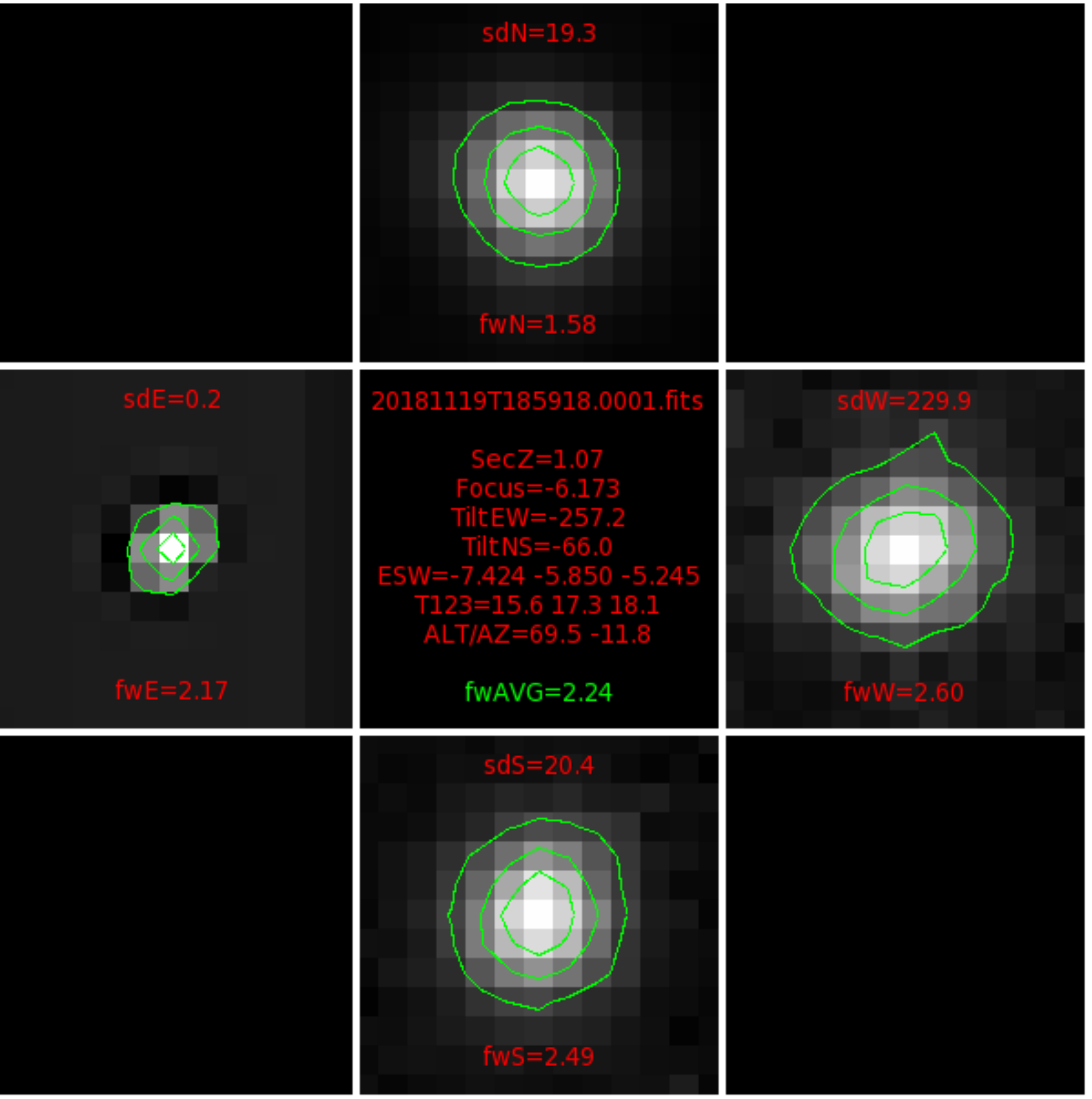
sdN=19.3
fwN=1.58
sdE=0.2
fwE=2.17
20181119T185918.0001.fits
SecZ=1.07
Focus=-6.173
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.424 -5.850 -5.245
T123=15.6 17.3 18.1
ALT/AZ=69.5 -11.8
fwAVG=2.24
sdW=229.9
fwW=2.60
sdS=20.4
fwS=2.49
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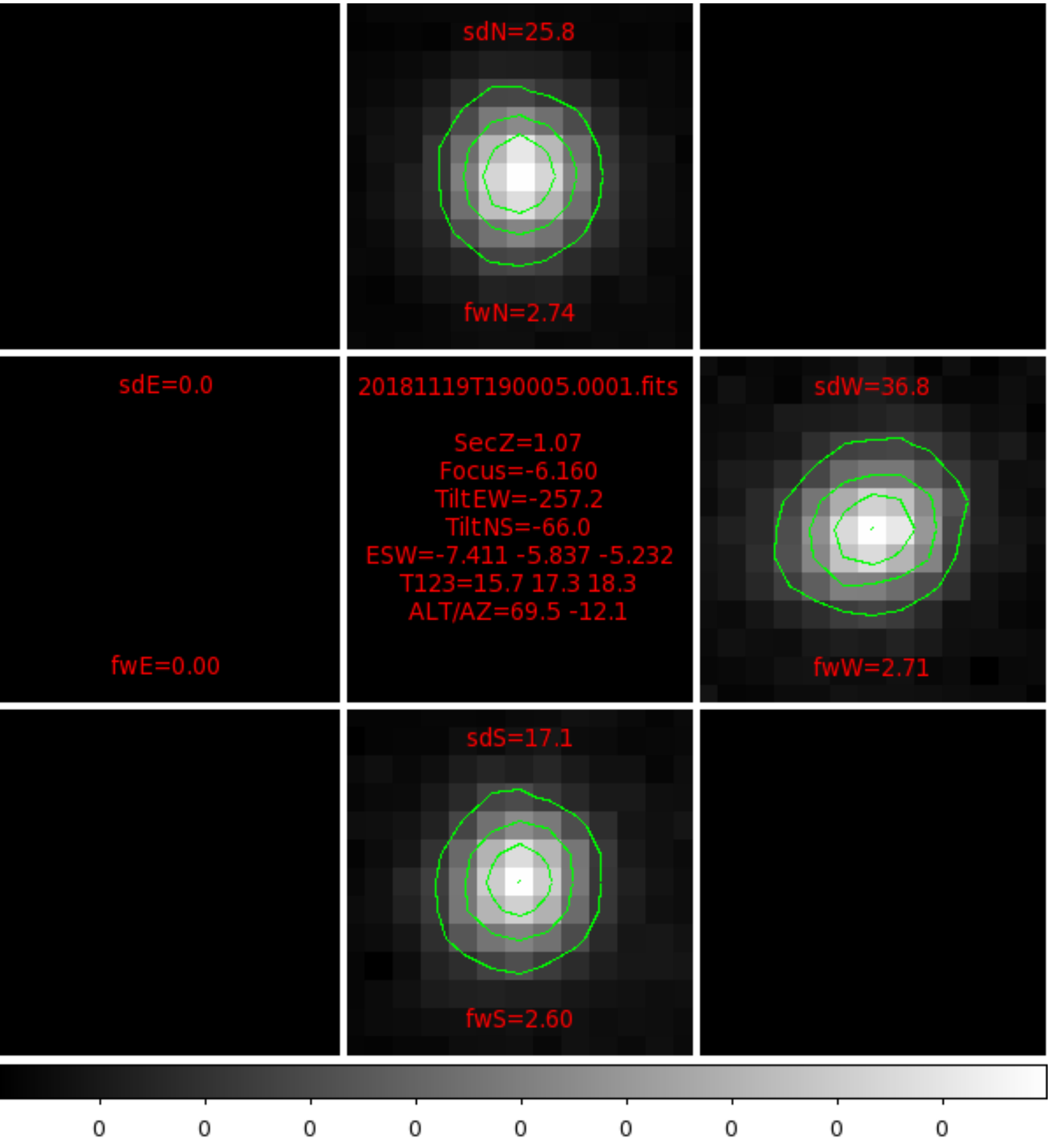
sdN=25.8
fwN=2.74
sdE=0.0
fwE=0.00
20181119T190005.0001.fits
SecZ=1.07
Focus=-6.160
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.411 -5.837 -5.232
T123=15.7 17.3 18.3
ALT/AZ=69.5 -12.1
sdW=36.8
fwW=2.71
sdS=17.1
fwS=2.60
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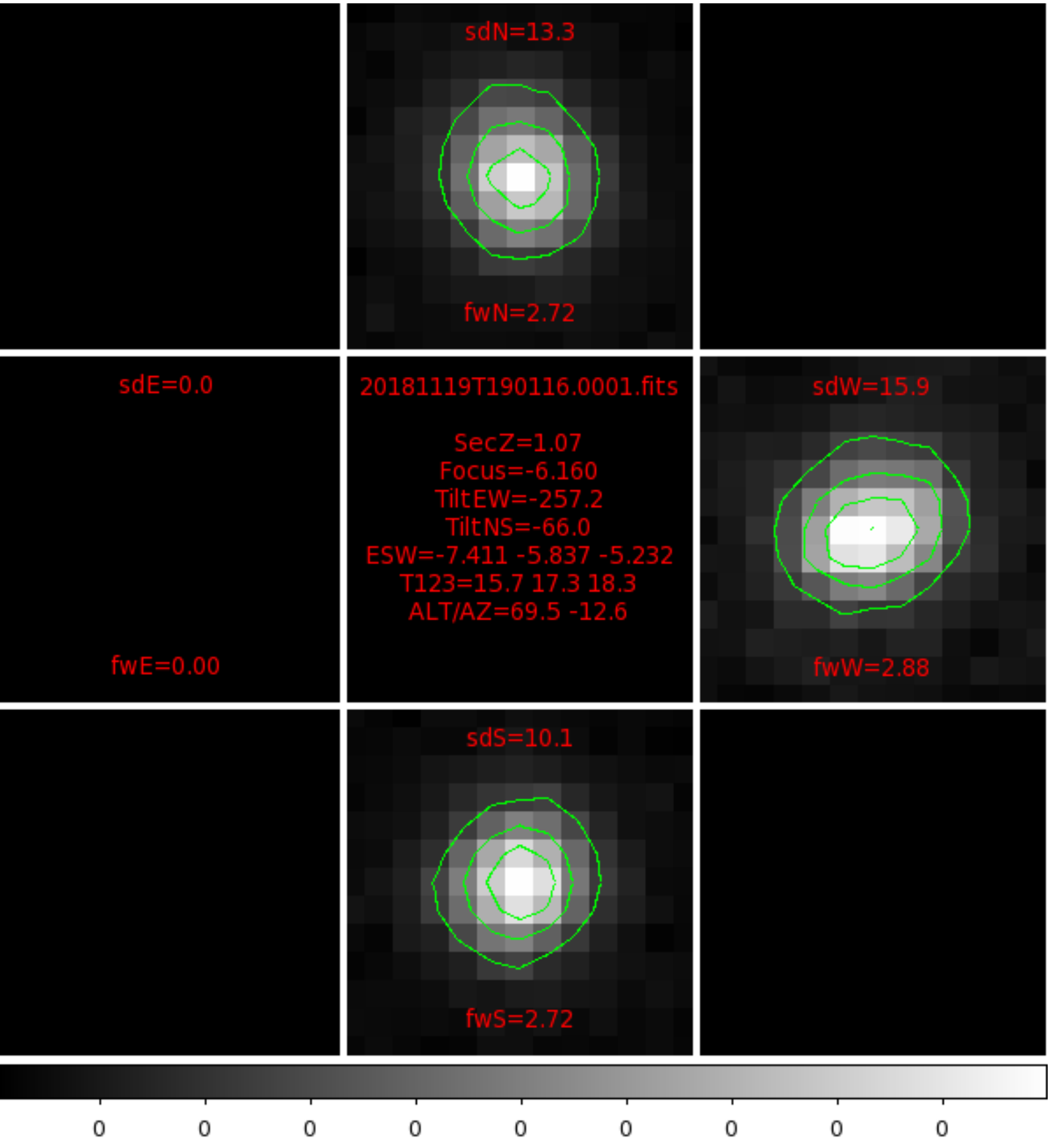
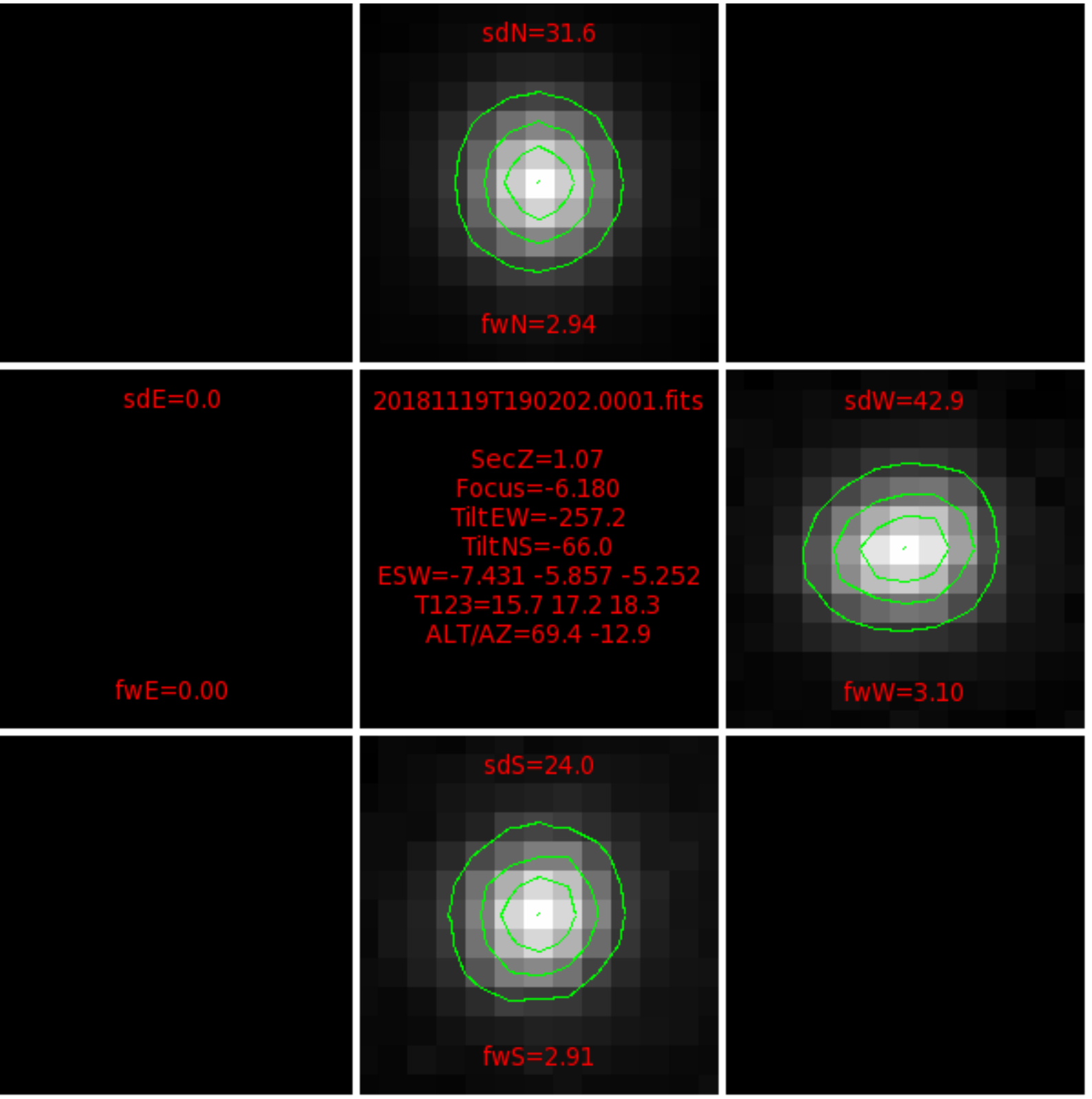

sdN=13.3
fwN=2.72
sdE=0.0
fwE=0.00
20181119T190116.0001.fits
SecZ=1.07
Focus=-6.160
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.411 -5.837 -5.232
T123=15.7 17.3 18.3
ALT/AZ=69.5 -12.6
sdW=15.9
fwW=2.88
sdS=10.1
fwS=2.72
0 0 0 0 0 0 0 0 0


sdN=31.6
fwN=2.94
sdE=0.0
fwE=0.00
20181119T190202.0001.fits
SecZ=1.07
Focus=-6.180
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.431 -5.857 -5.252
T123=15.7 17.2 18.3
ALT/AZ=69.4 -12.9
sdW=42.9
fwW=3.10
sdS=24.0
fwS=2.91
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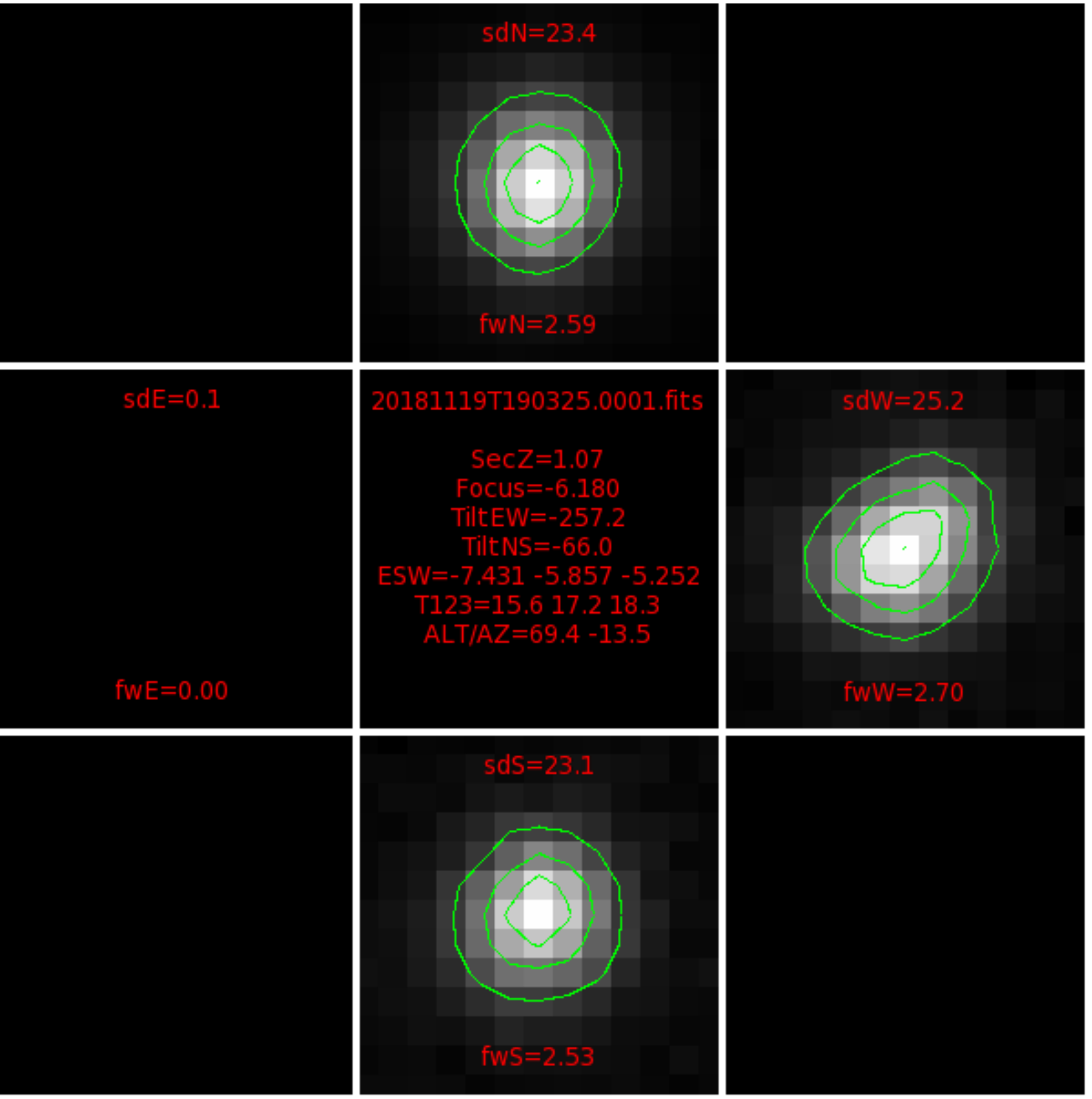
sdN=23.4
fwN=2.59
sdE=0.1
fwE=0.00
20181119T190325.0001.fits
SecZ=1.07
Focus=-6.180
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.431 -5.857 -5.252
T123=15.6 17.2 18.3
ALT/AZ=69.4 -13.5
sdW=25.2
fwW=2.70
sdS=23.1
fwS=2.53
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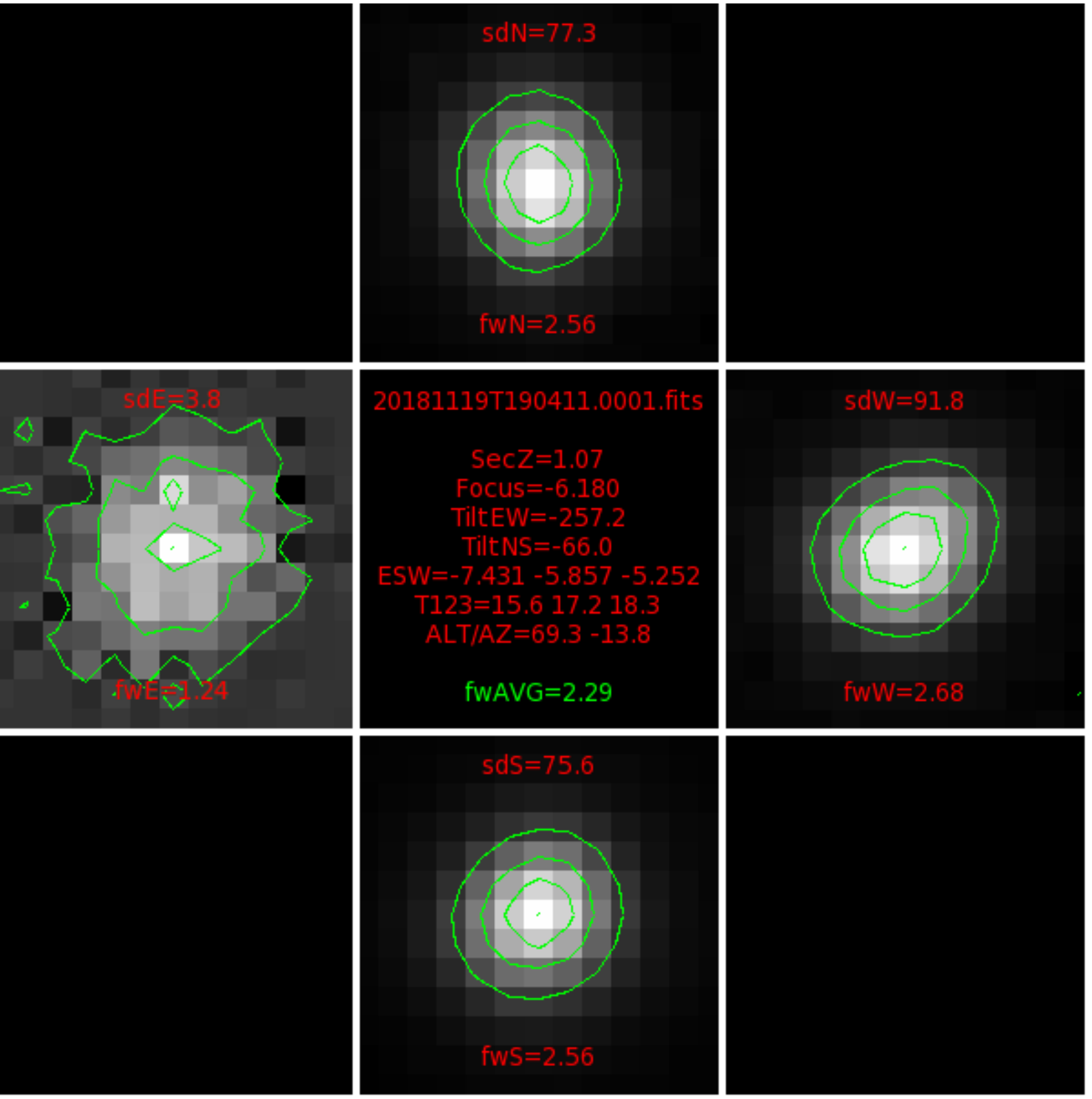
sdN=77.3
fwN=2.56
sdE=3.8
fwE=1.24
20181119T190411.0001.fits
SecZ=1.07
Focus=-6.180
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.431 -5.857 -5.252
T123=15.6 17.2 18.3
ALT/AZ=69.3 -13.8
fwAVG=2.29
sdW=91.8
fwW=2.68
sdS=75.6
fwS=2.56
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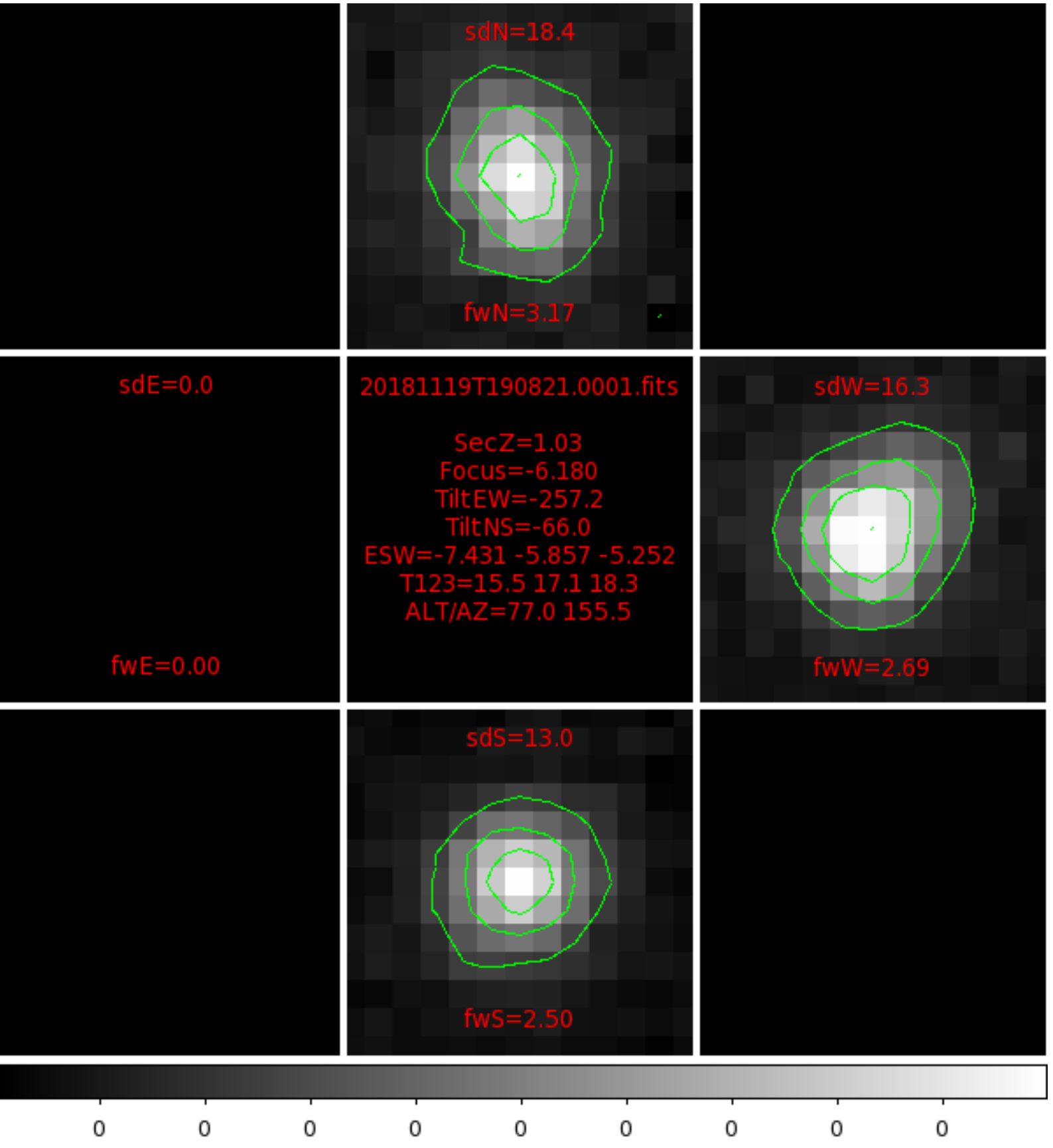
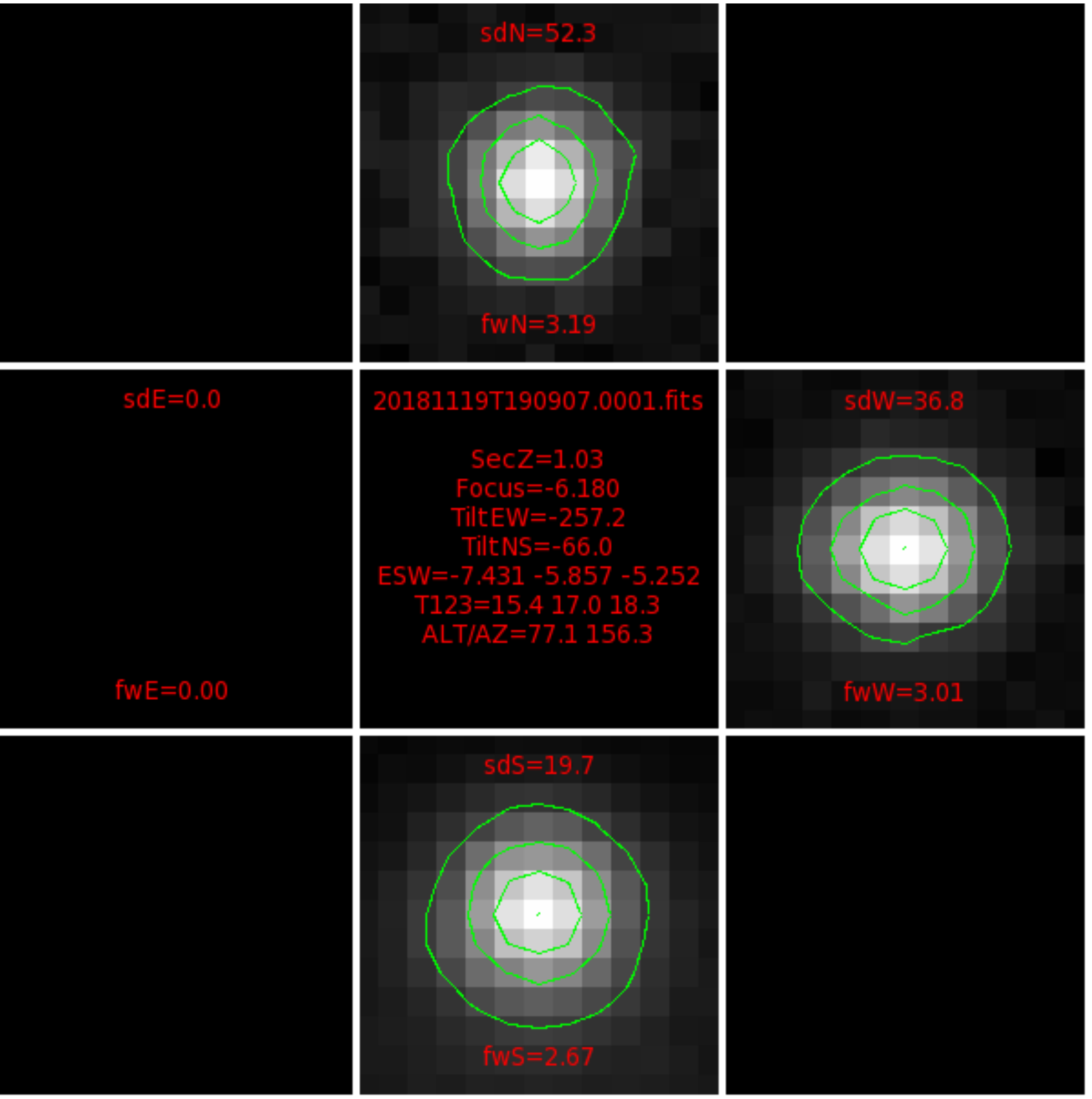

sdN=18.4
fwN=3.17
sdE=0.0
fwE=0.00
20181119T190821.0001.fits
SecZ=1.03
Focus=-6.180
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.431 -5.857 -5.252
T123=15.5 17.1 18.3
ALT/AZ=77.0 155.5
sdW=16.3
fwW=2.69
sdS=13.0
fwS=2.50
0 0 0 0 0 0 0 0 0


sdN=52.3
fwN=3.19
sdE=0.0
fwE=0.00
20181119T190907.0001.fits
SecZ=1.03
Focus=-6.180
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.431 -5.857 -5.252
T123=15.4 17.0 18.3
ALT/AZ=77.1 156.3
sdW=36.8
fwW=3.01
sdS=19.7
fwS=2.67
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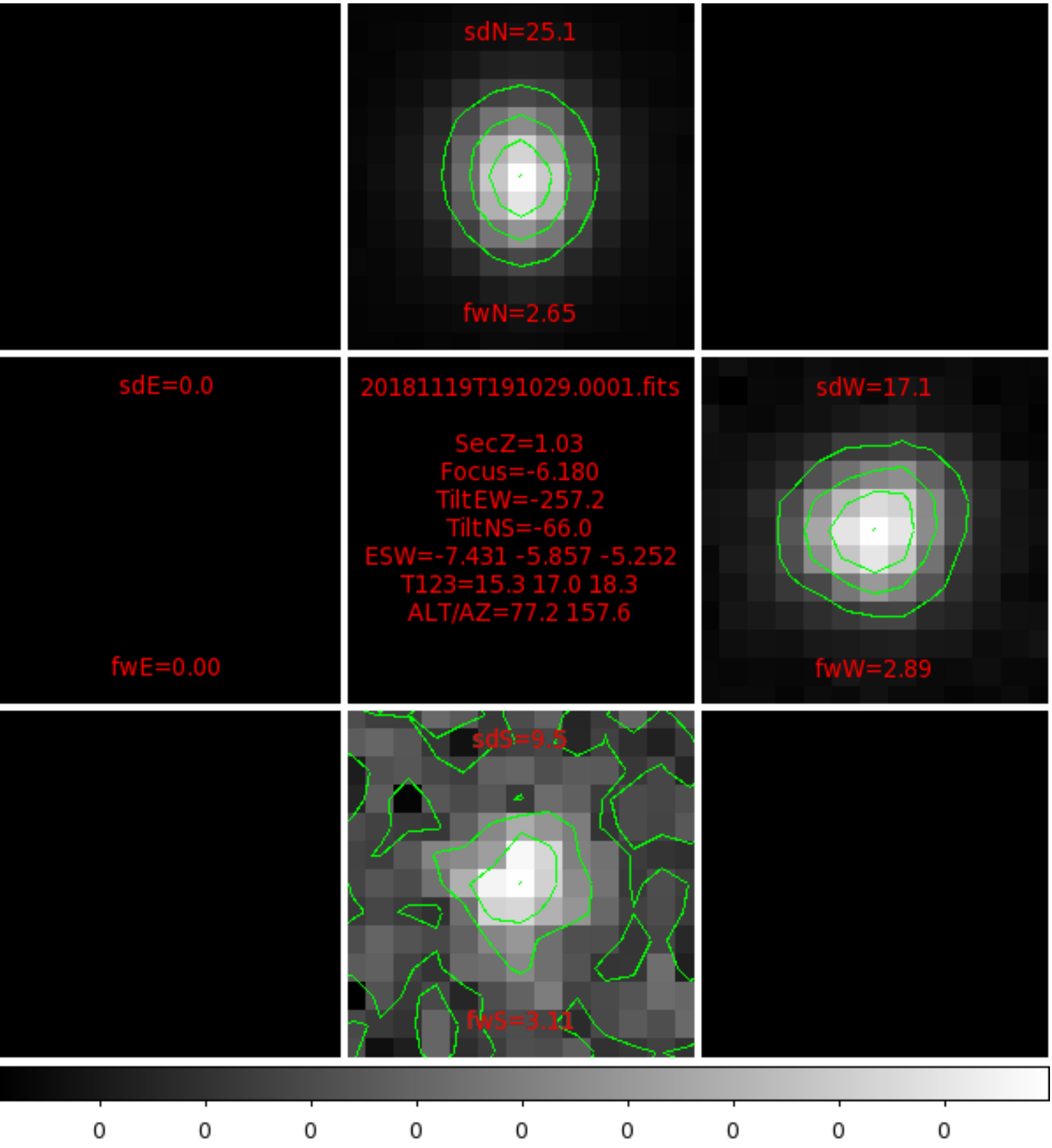
sdN=25.1
fwN=2.65
sdE=0.0
fwE=0.00
20181119T191029.0001.fits
SecZ=1.03
Focus=-6.180
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.431 -5.857 -5.252
T123=15.3 17.0 18.3
ALT/AZ=77.2 157.6
sdW=17.1
fwW=2.89
sdS=9.5
fwS=3.11
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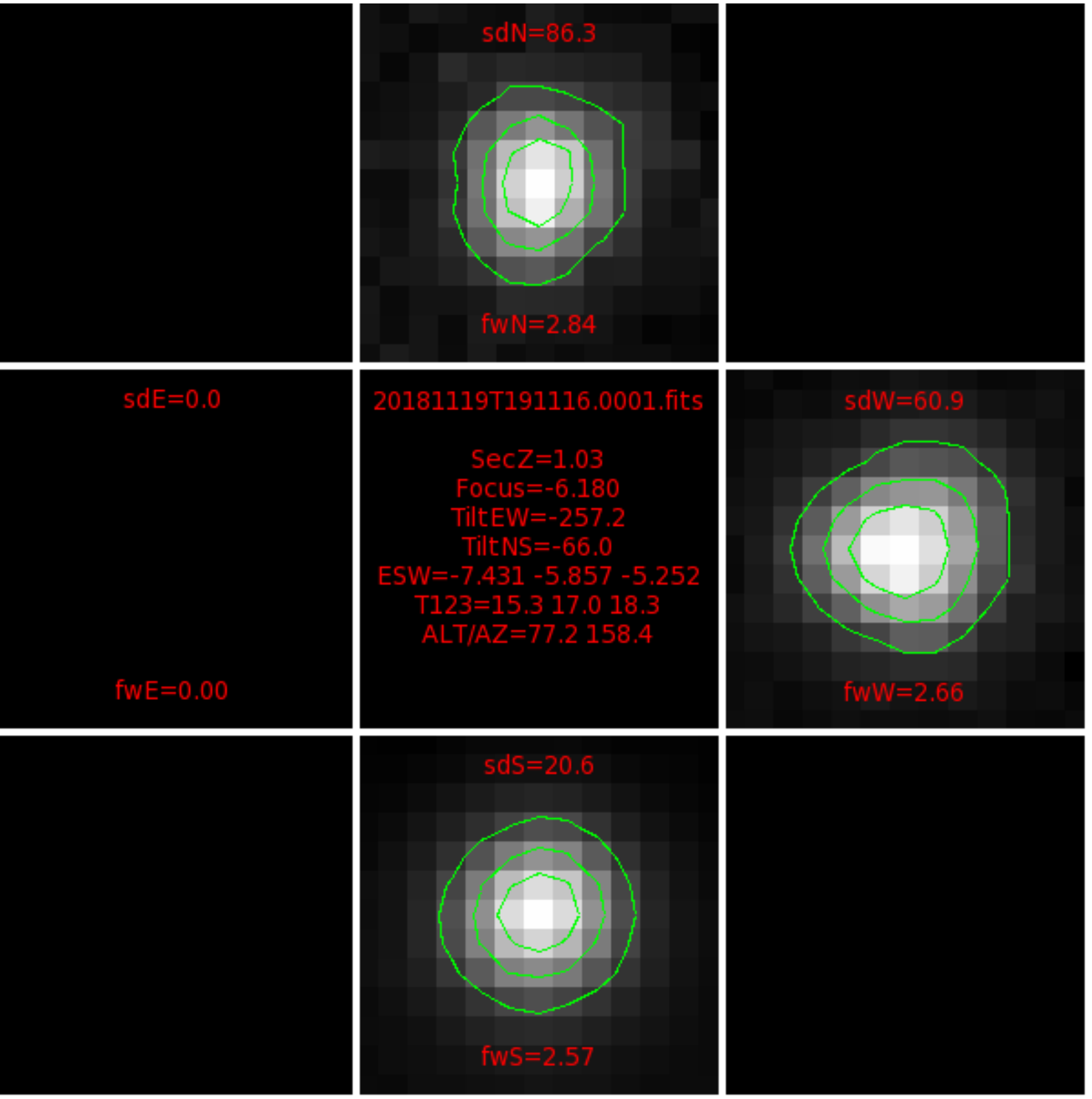
sdN=86.3
fwN=2.84
sdE=0.0
fwE=0.00
20181119T191116.0001.fits
SecZ=1.03
Focus=-6.180
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.431 -5.857 -5.252
T123=15.3 17.0 18.3
ALT/AZ=77.2 158.4
sdW=60.9
fwW=2.66
sdS=20.6
fwS=2.57
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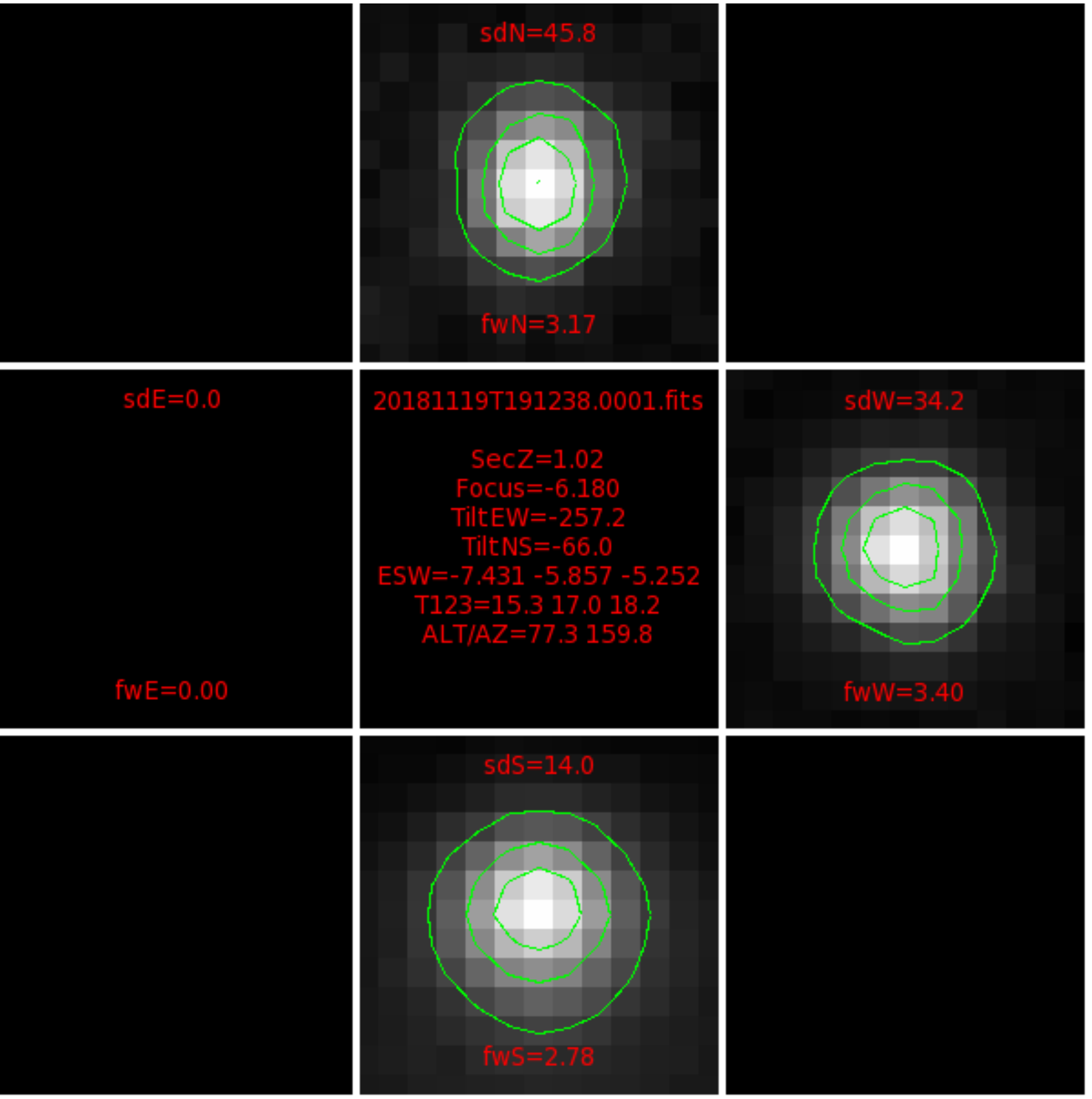
sdN=45.8
fwN=3.17
sdE=0.0
fwE=0.00
20181119T191238.0001.fits
SecZ=1.02
Focus=-6.180
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.431 -5.857 -5.252
T123=15.3 17.0 18.2
ALT/AZ=77.3 159.8
sdW=34.2
fwW=3.40
sdS=14.0
fwS=2.78
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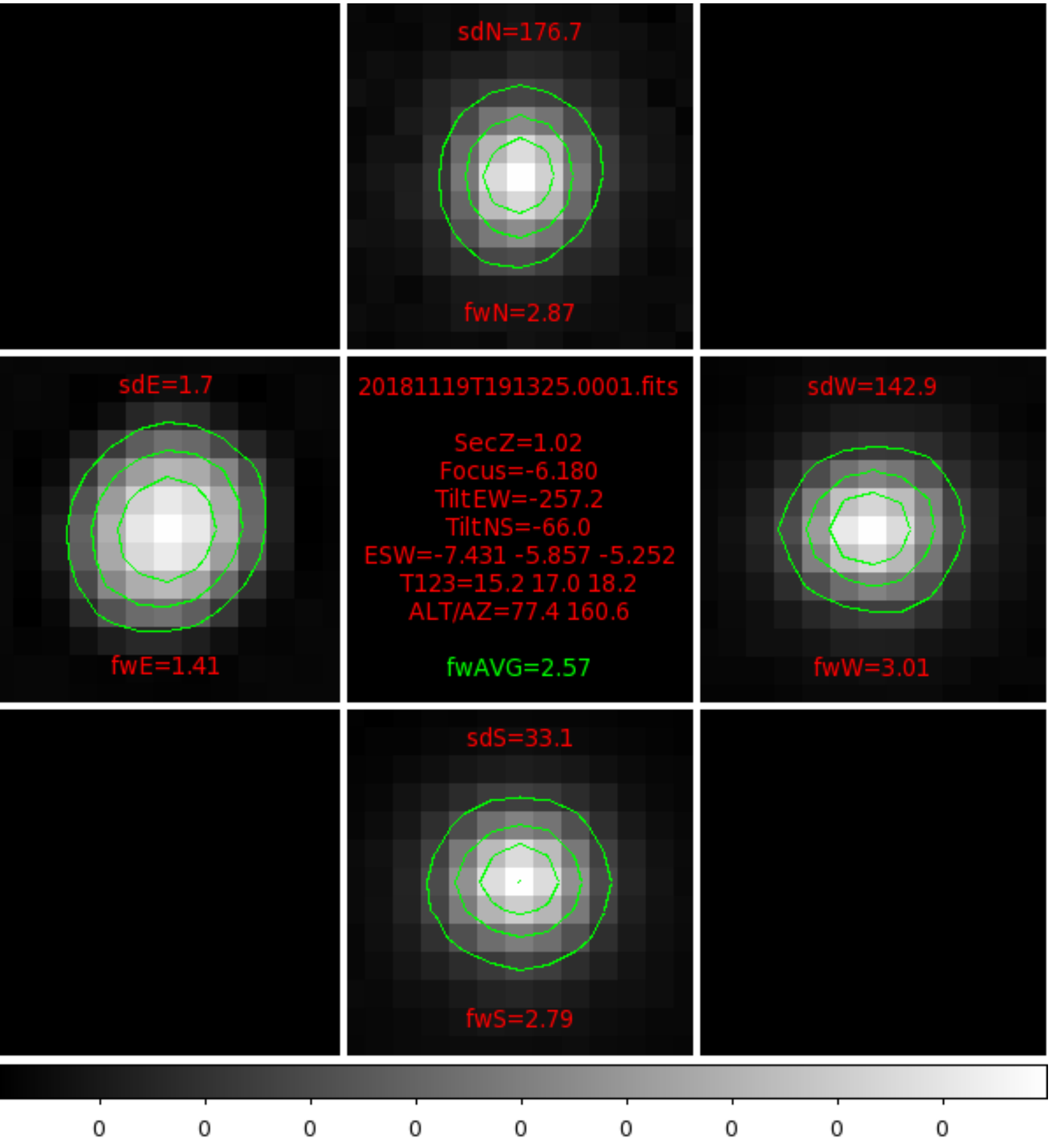
sdN=176.7
fwN=2.87
sdE=1.7
fwE=1.41
20181119T191325.0001.fits
SecZ=1.02
Focus=-6.180
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.431 -5.857 -5.252
T123=15.2 17.0 18.2
ALT/AZ=77.4 160.6
fwAVG=2.57
sdW=142.9
fwW=3.01
sdS=33.1
fwS=2.79
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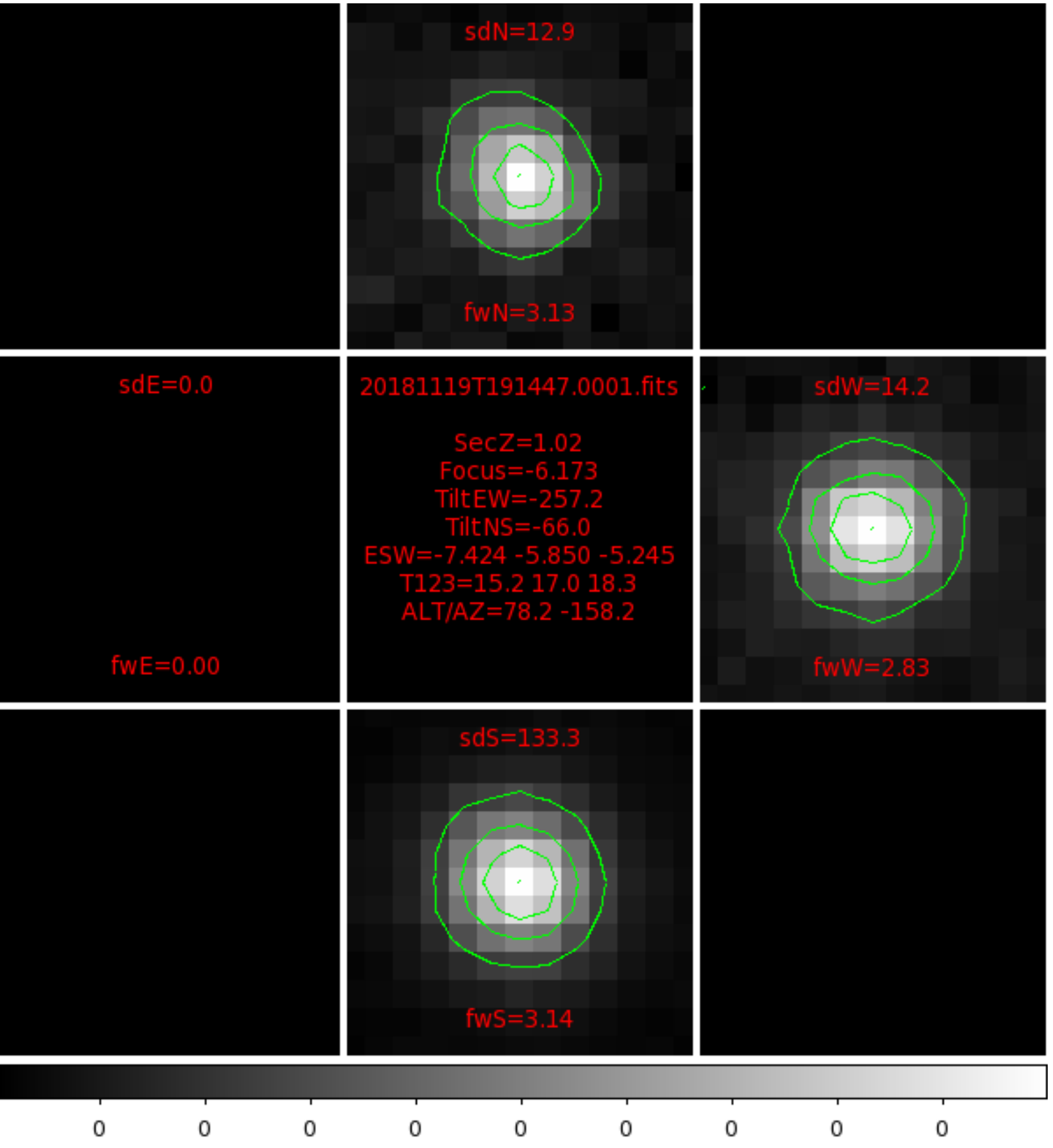
sdN=12.9
fwN=3.13
sdE=0.0
fwE=0.00
20181119T191447.0001.fits
SecZ=1.02
Focus=-6.173
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.424 -5.850 -5.245
T123=15.2 17.0 18.3
ALT/AZ=78.2 -158.2
sdW=14.2
fwW=2.83
sdS=133.3
fwS=3.14
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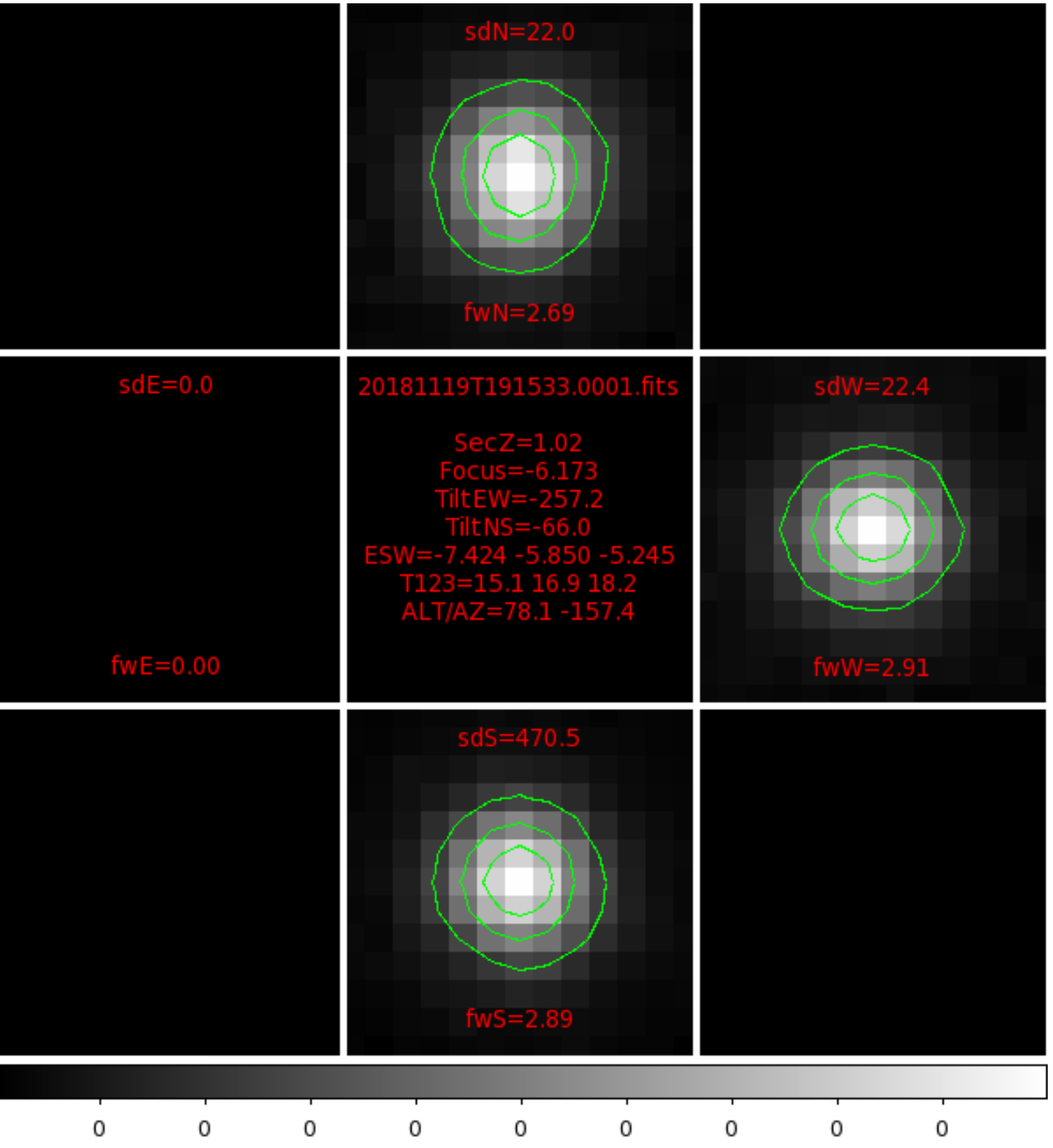
sdN=22.0
fwN=2.69
sdE=0.0
fwE=0.00
20181119T191533.0001.fits
SecZ=1.02
Focus=-6.173
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.424 -5.850 -5.245
T123=15.1 16.9 18.2
ALT/AZ=78.1 -157.4
sdW=22.4
fwW=2.91
sdS=470.5
fwS=2.89
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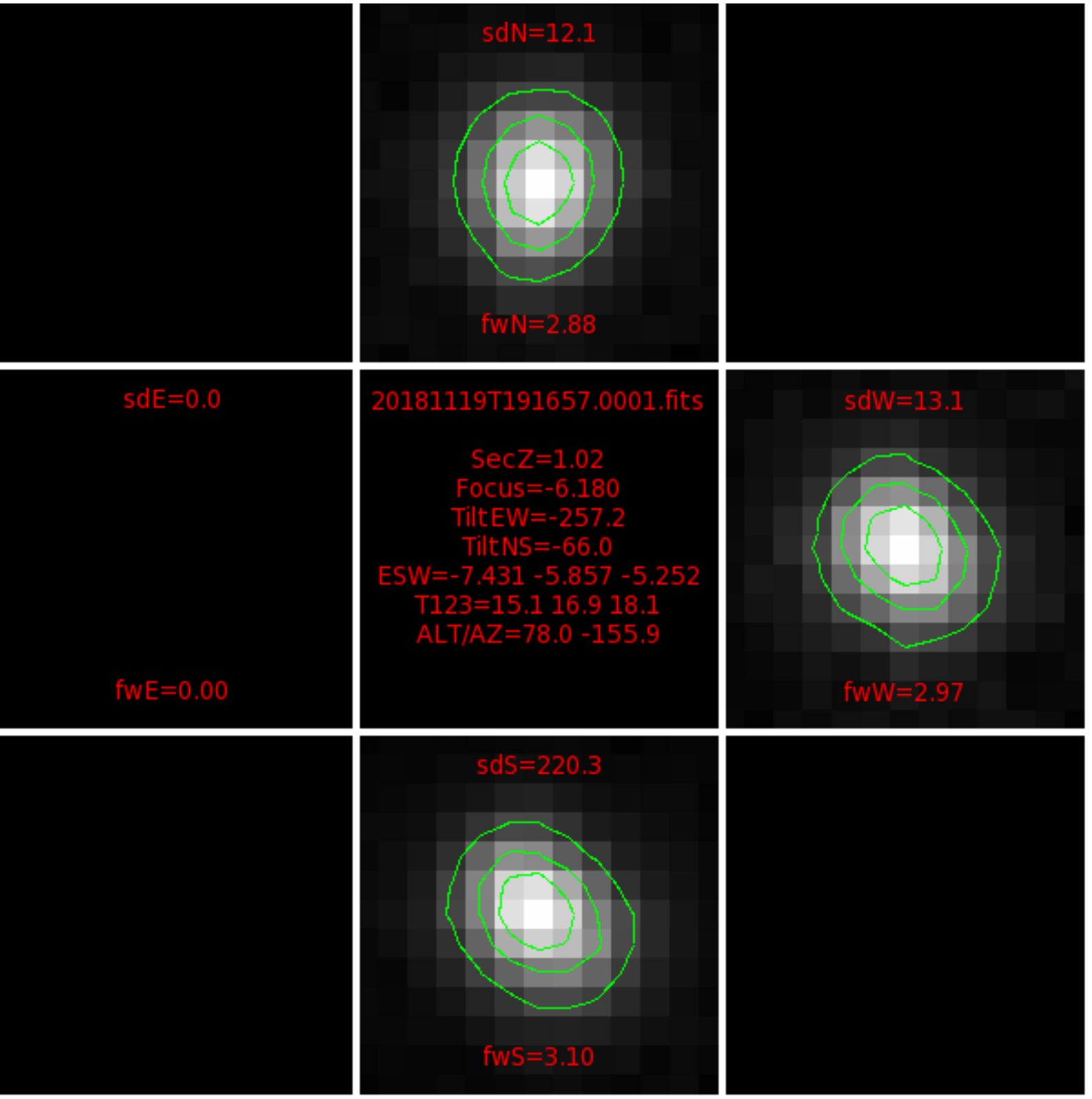
sdN=12.1
fwN=2.88
sdE=0.0
fwE=0.00
20181119T191657.0001.fits
SecZ=1.02
Focus=-6.180
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.431 -5.857 -5.252
T123=15.1 16.9 18.1
ALT/AZ=78.0 -155.9
sdW=13.1
fwW=2.97
sdS=220.3
fwS=3.10
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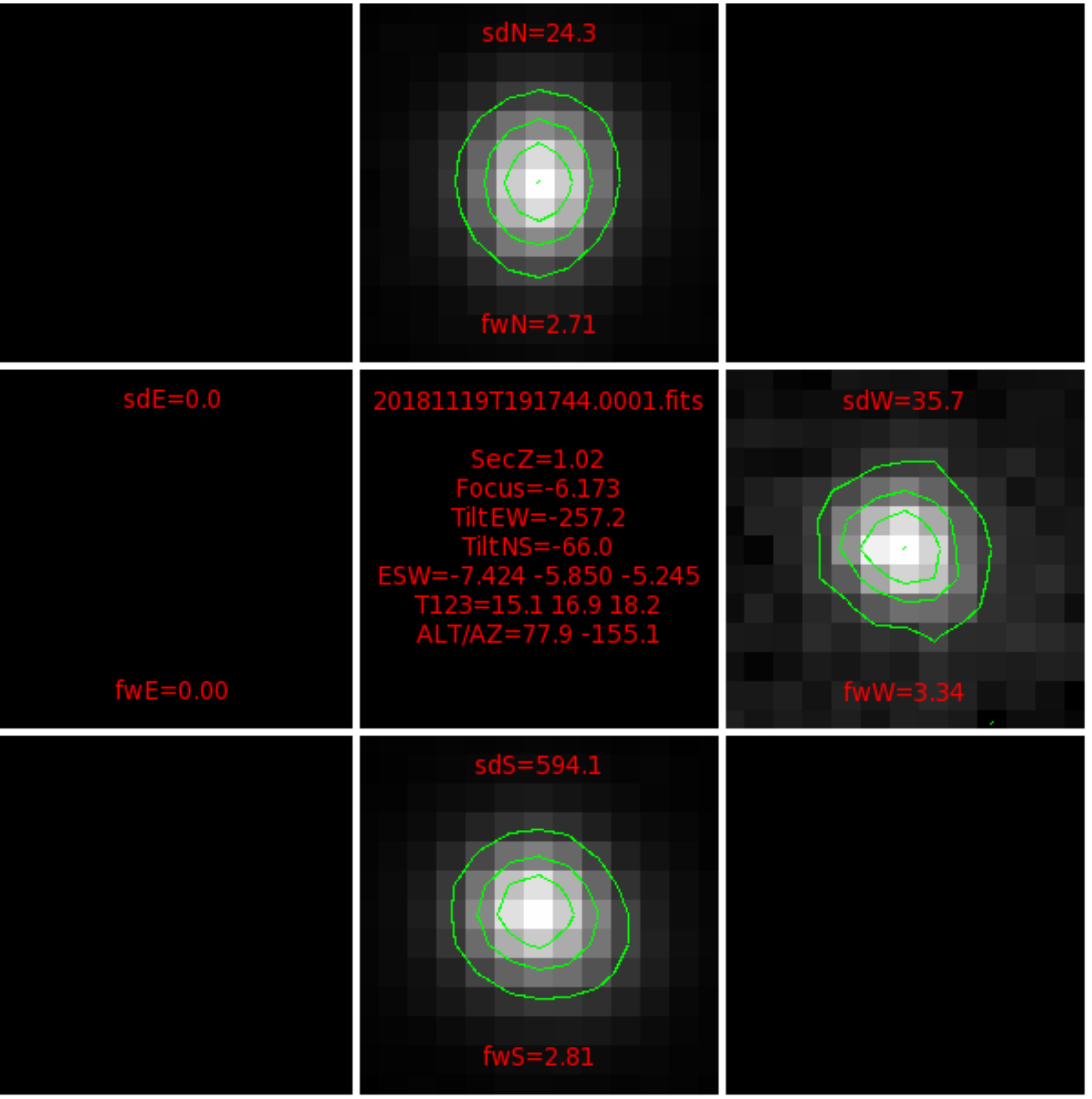
sdN=24.3
fwN=2.71
sdE=0.0
fwE=0.00
20181119T191744.0001.fits
SecZ=1.02
Focus=-6.173
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.424 -5.850 -5.245
T123=15.1 16.9 18.2
ALT/AZ=77.9 -155.1
sdW=35.7
fwW=3.34
sdS=594.1
fwS=2.81
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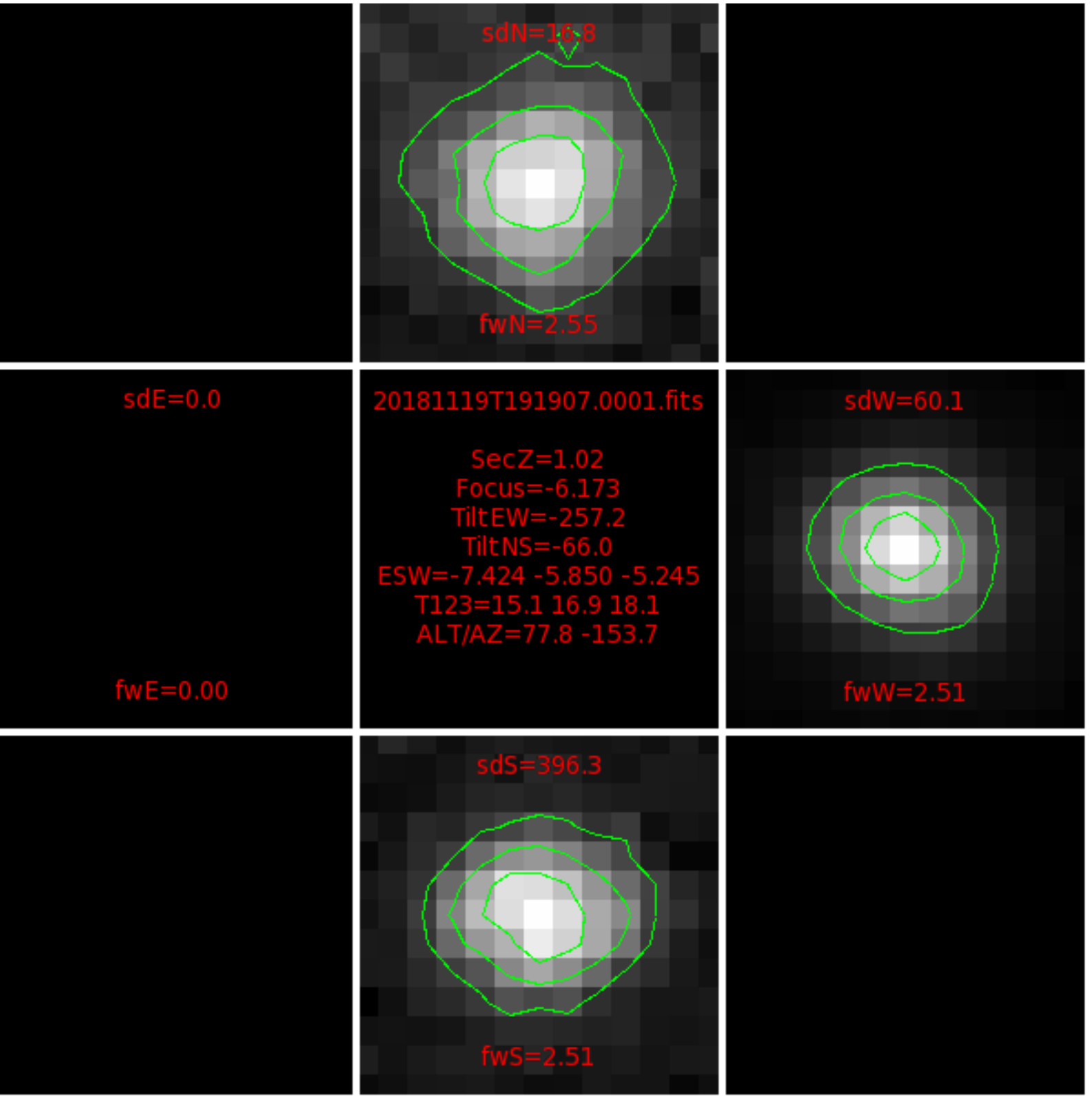
sdN=16.8
fwN=2.55
sdE=0.0
fwE=0.00
20181119T191907.0001.fits
SecZ=1.02
Focus=-6.173
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.424 -5.850 -5.245
T123=15.1 16.9 18.1
ALT/AZ=77.8 -153.7
sdW=60.1
fwW=2.51
sdS=396.3
fwS=2.51
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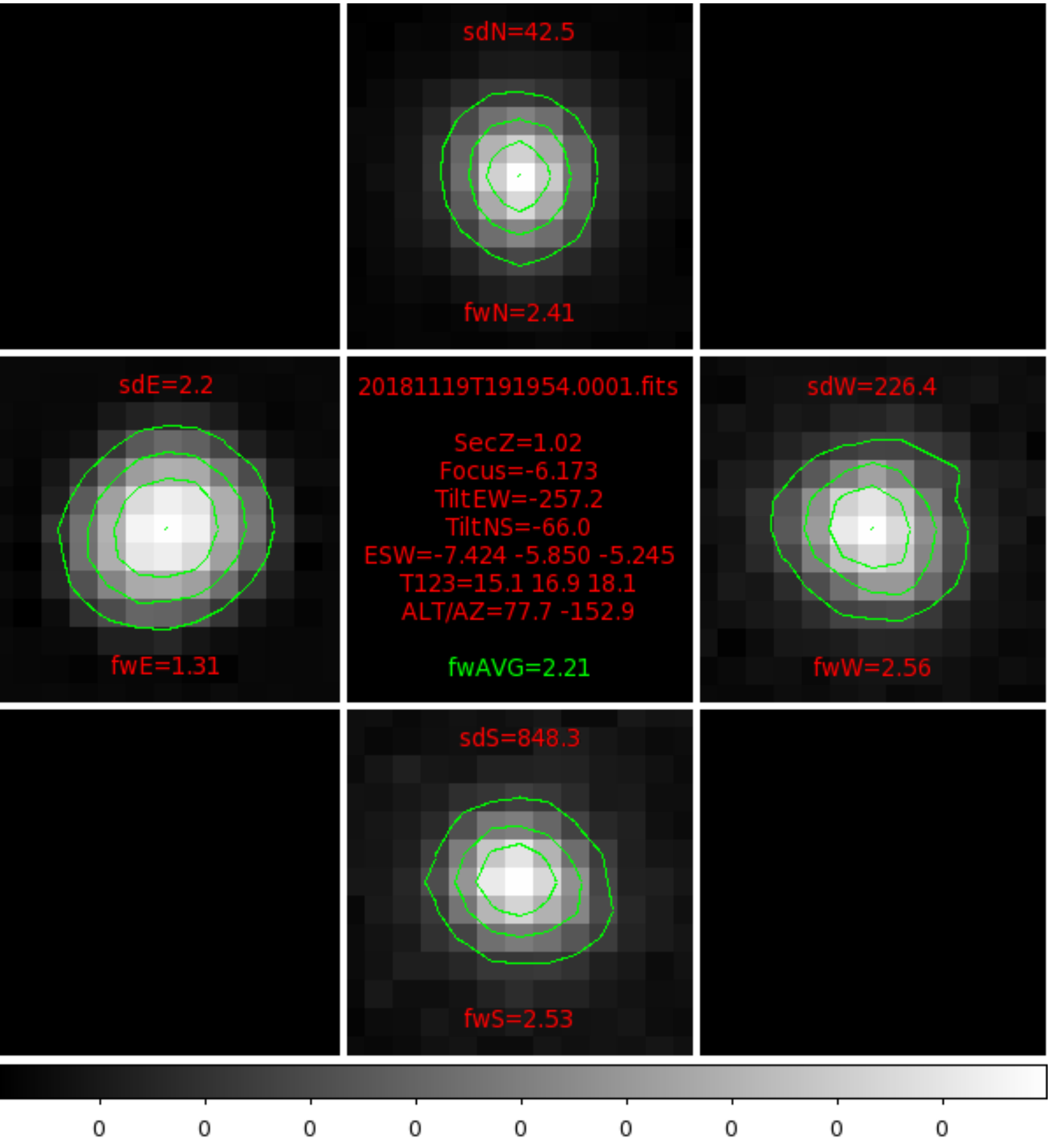
sdN=42.5
fwN=2.41
sdE=2.2
fwE=1.31
20181119T191954.0001.fits
SecZ=1.02
Focus=-6.173
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.424 -5.850 -5.245
T123=15.1 16.9 18.1
ALT/AZ=77.7 -152.9
fwAVG=2.21
sdW=226.4
fwW=2.56
sdS=848.3
fwS=2.53
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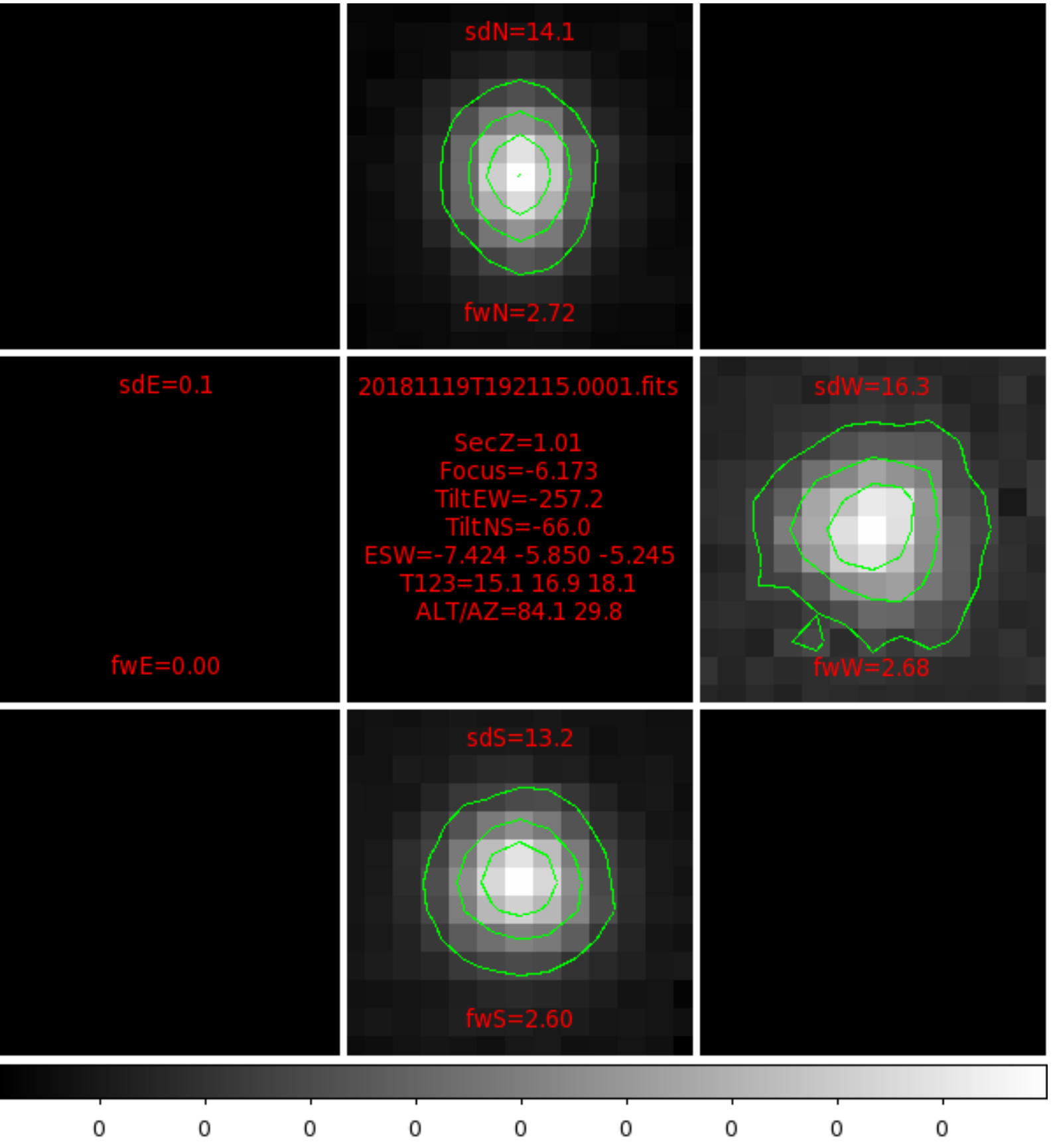
sdN=14.1
fwN=2.72
sdE=0.1
fwE=0.00
20181119T192115.0001.fits
SecZ=1.01
Focus=-6.173
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.424 -5.850 -5.245
T123=15.1 16.9 18.1
ALT/AZ=84.1 29.8
sdW=16.3
fwW=2.68
sdS=13.2
fwS=2.60
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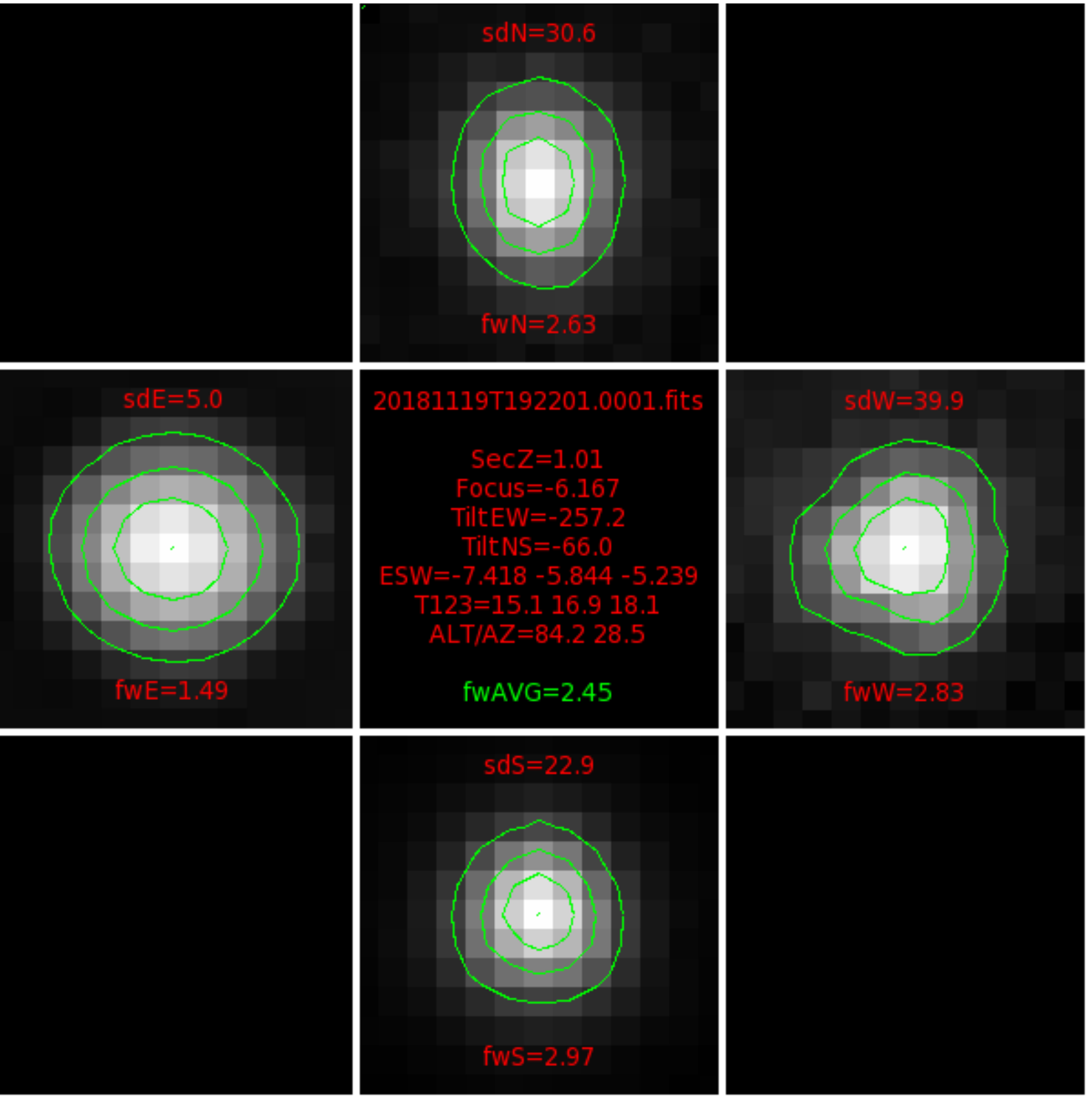
sdN=30.6
fwN=2.63
sdE=5.0
fwE=1.49
20181119T192201.0001.fits
SecZ=1.01
Focus=-6.167
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.418 -5.844 -5.239
T123=15.1 16.9 18.1
ALT/AZ=84.2 28.5
fwAVG=2.45
sdW=39.9
fwW=2.83
sdS=22.9
fwS=2.97
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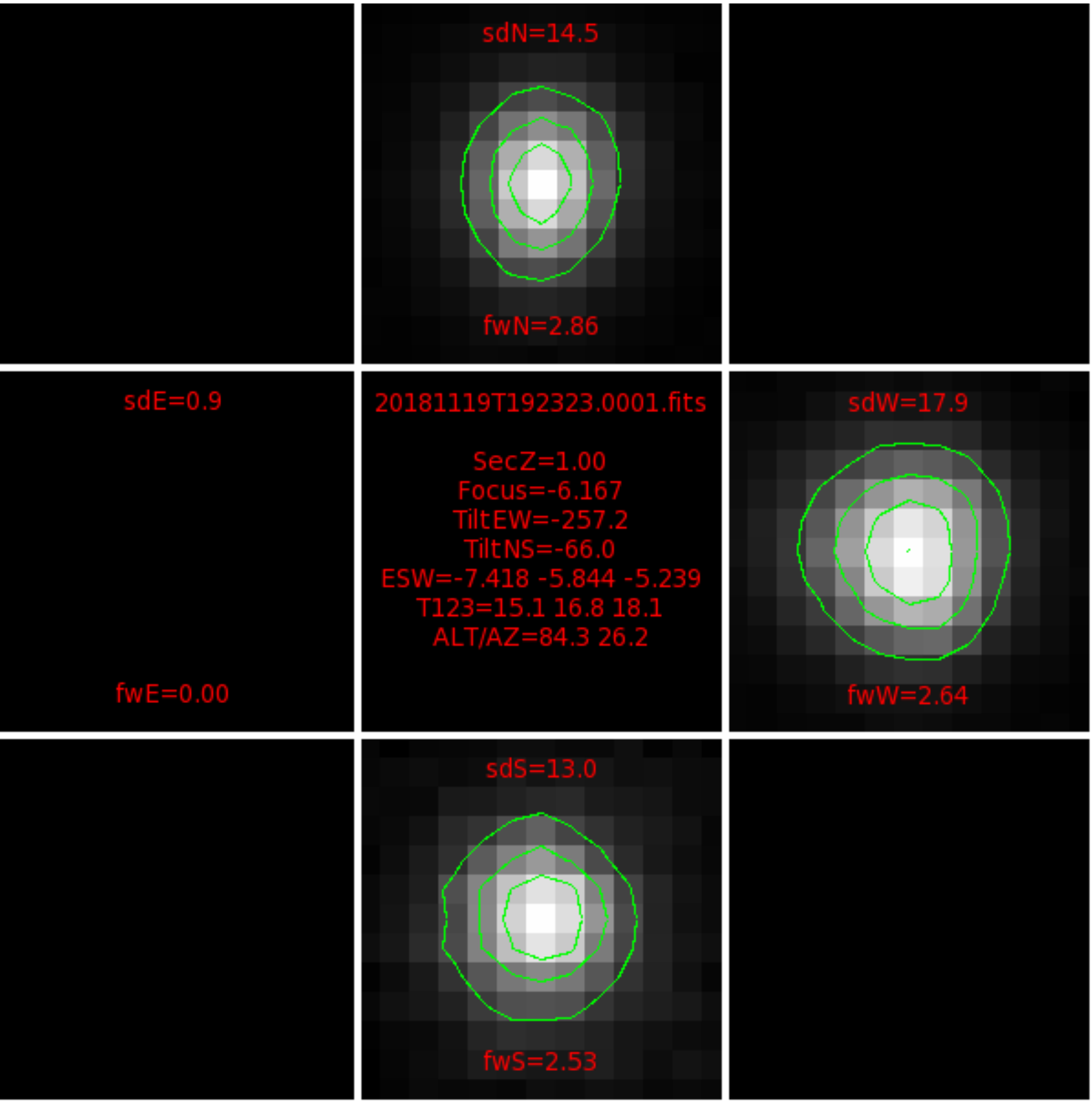
sdN=14.5
fwN=2.86
sdE=0.9
fwE=0.00
20181119T192323.0001.fits
SecZ=1.00
Focus=-6.167
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.418 -5.844 -5.239
T123=15.1 16.8 18.1
ALT/AZ=84.3 26.2
sdW=17.9
fwW=2.64
sdS=13.0
fwS=2.53
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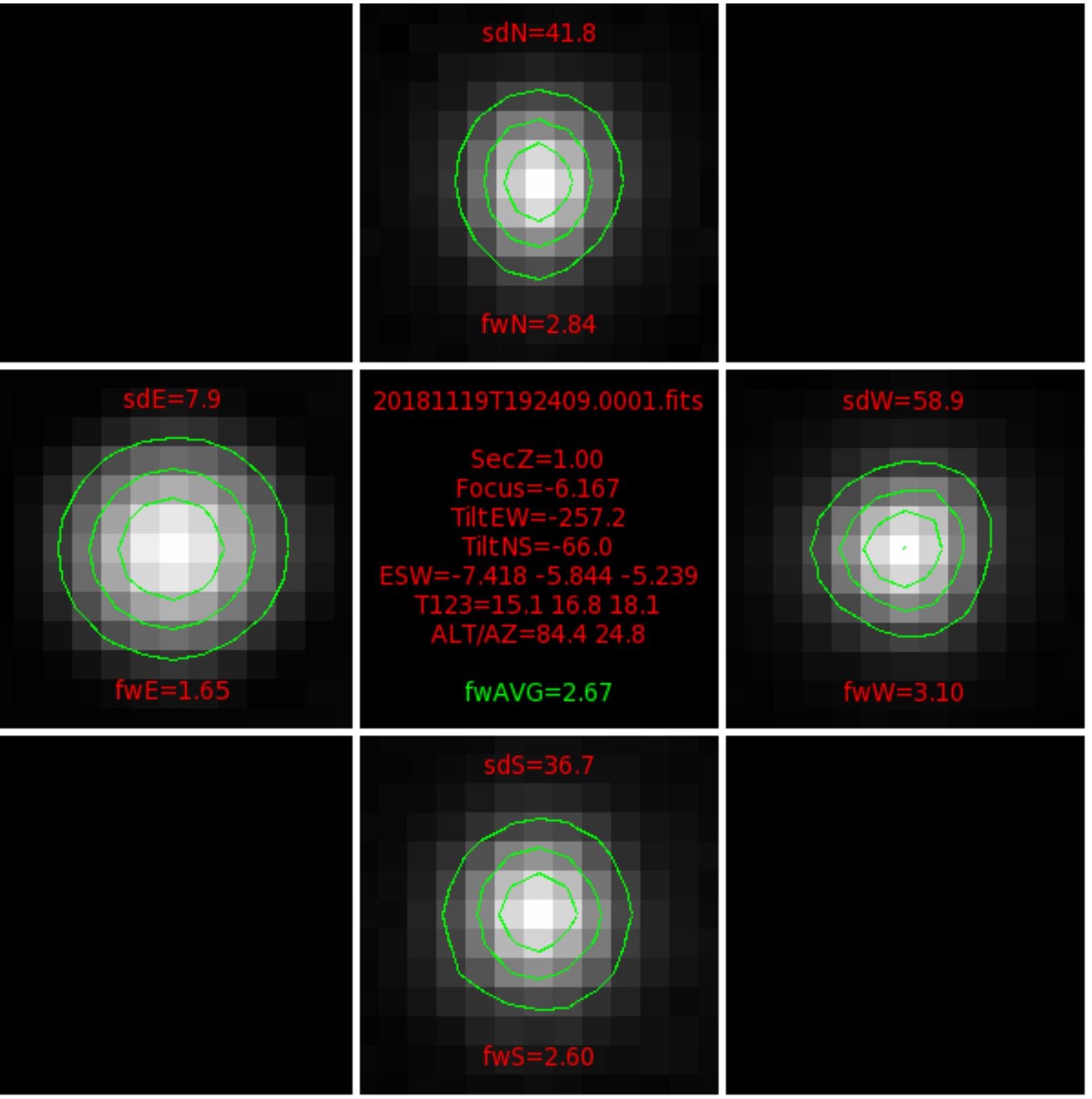
sdN=41.8
fwN=2.84
sdE=7.9
fwE=1.65
20181119T192409.0001.fits
SecZ=1.00
Focus=-6.167
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.418 -5.844 -5.239
T123=15.1 16.8 18.1
ALT/AZ=84.4 24.8
fwAVG=2.67
sdW=58.9
fwW=3.10
sdS=36.7
fwS=2.60
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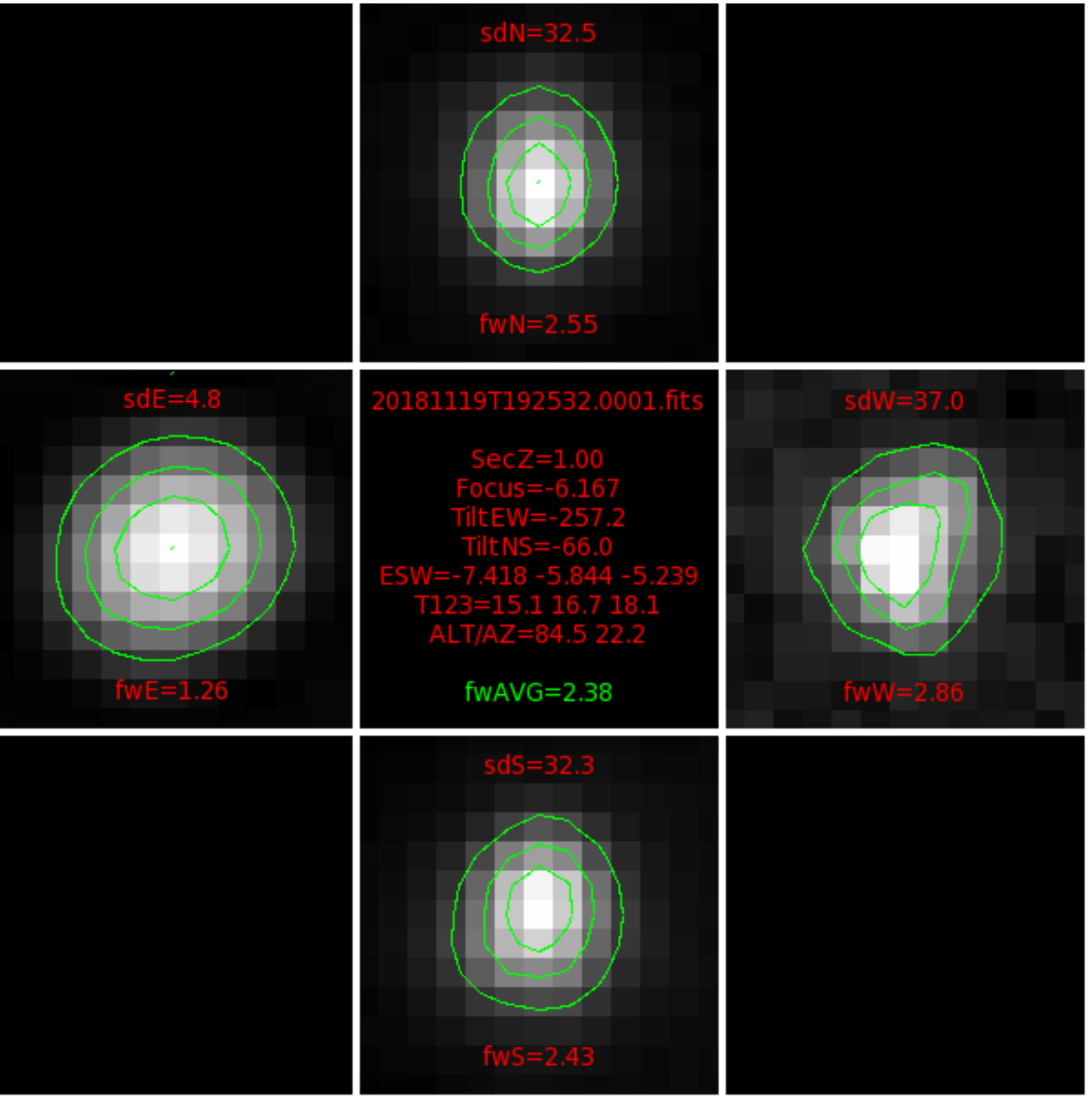
sdN=32.5
fwN=2.55
sdE=4.8
fwE=1.26
20181119T192532.0001.fits
SecZ=1.00
Focus=-6.167
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.418 -5.844 -5.239
T123=15.1 16.7 18.1
ALT/AZ=84.5 22.2
fwAVG=2.38
sdW=37.0
fwW=2.86
sdS=32.3
fwS=2.43
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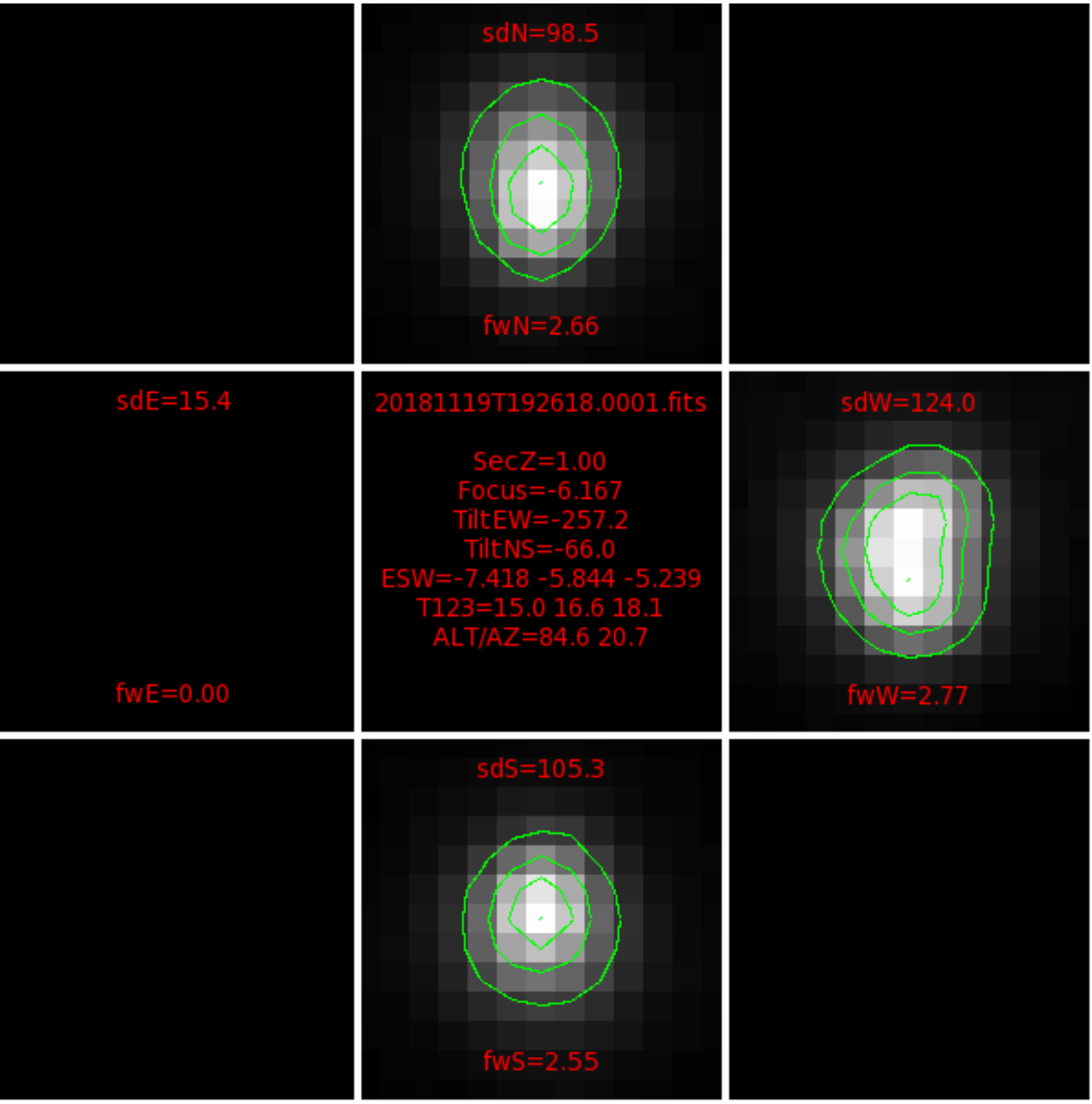
sdN=98.5
fwN=2.66
sdE=15.4
fwE=0.00
20181119T192618.0001.fits
SecZ=1.00
Focus=-6.167
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.418 -5.844 -5.239
T123=15.0 16.6 18.1
ALT/AZ=84.6 20.7
sdW=124.0
fwW=2.77
sdS=105.3
fwS=2.55
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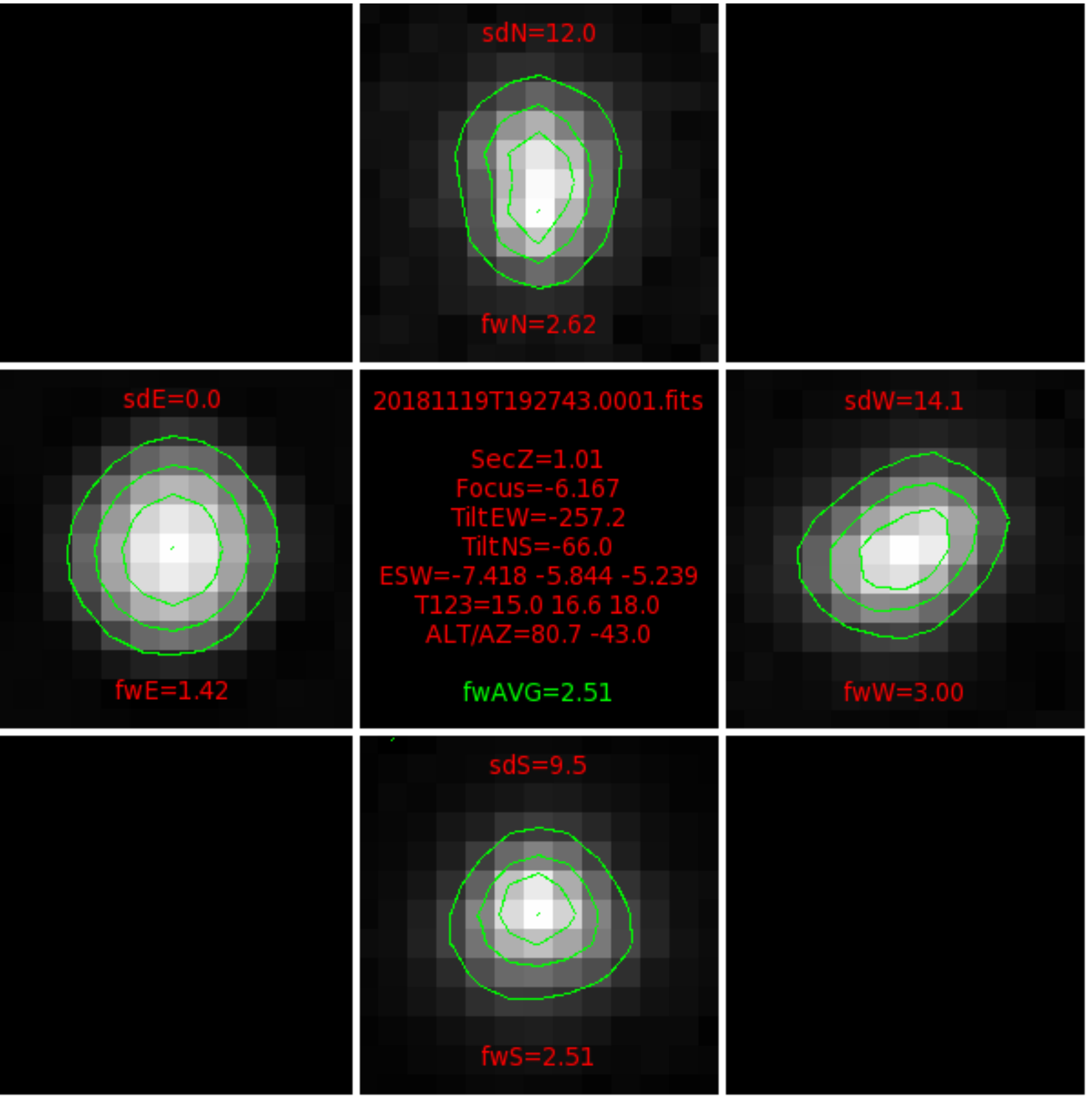
sdN=12.0
fwN=2.62
sdE=0.0
fwE=1.42
20181119T192743.0001.fits
SecZ=1.01
Focus=-6.167
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.418 -5.844 -5.239
T123=15.0 16.6 18.0
ALT/AZ=80.7 -43.0
fwAVG=2.51
sdW=14.1
fwW=3.00
sdS=9.5
fwS=2.51
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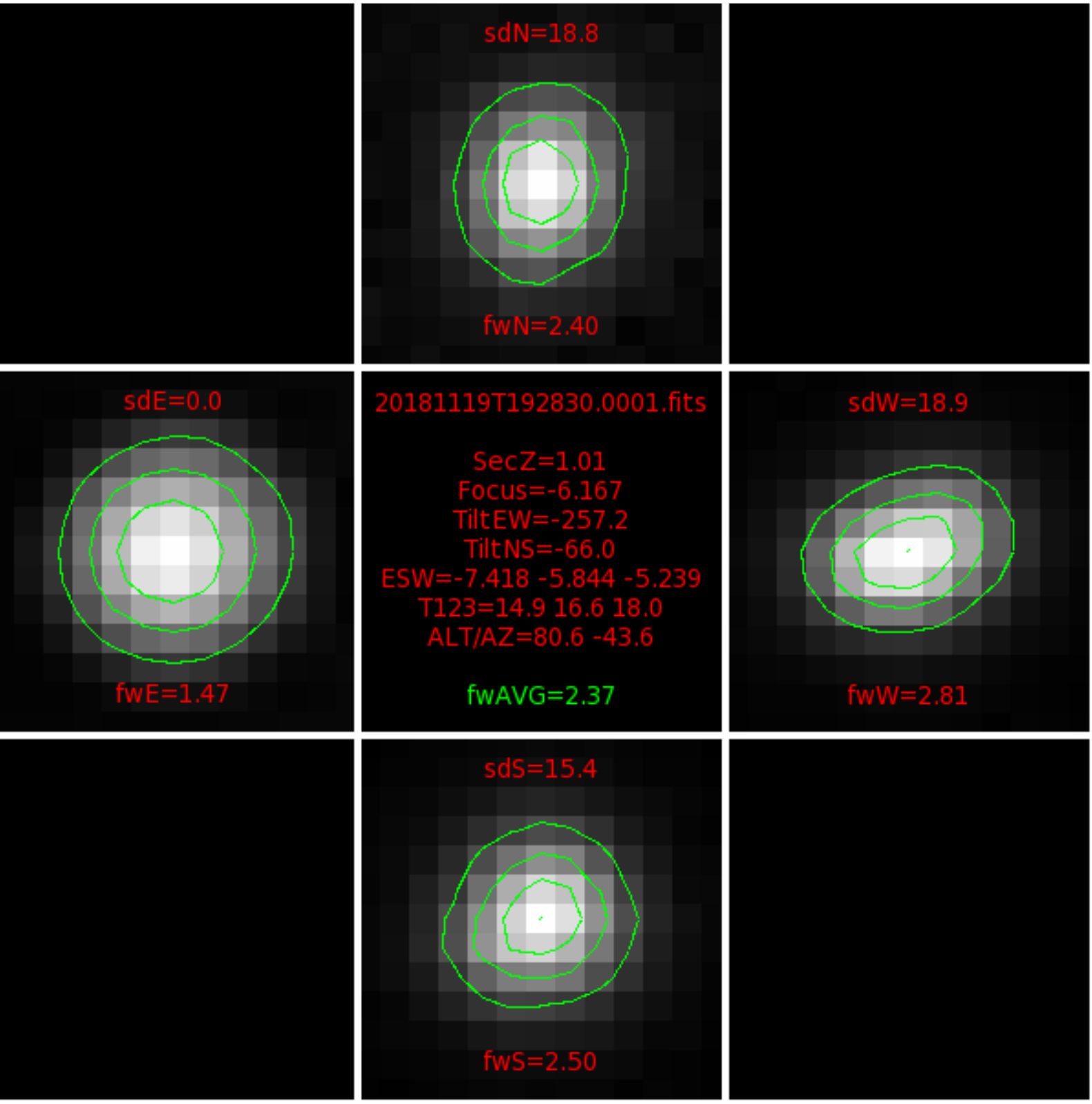
sdN=18.8
fwN=2.40
sdE=0.0
fwE=1.47
20181119T192830.0001.fits
SecZ=1.01
Focus=-6.167
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.418 -5.844 -5.239
T123=14.9 16.6 18.0
ALT/AZ=80.6 -43.6
fwAVG=2.37
sdW=18.9
fwW=2.81
sdS=15.4
fwS=2.50
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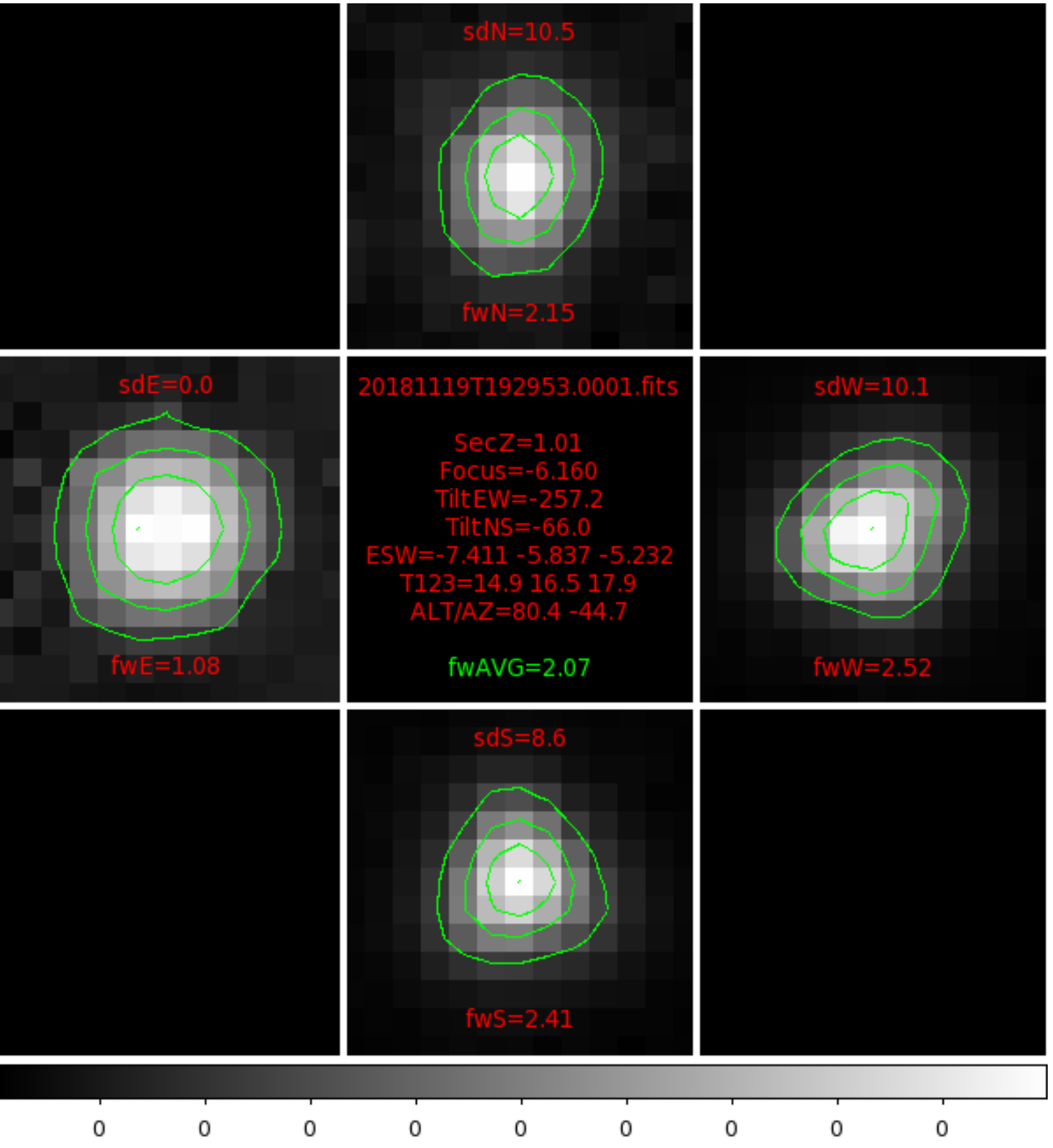
sdN=10.5
fwN=2.15
sdE=0.0
fwE=1.08
20181119T192953.0001.fits
SecZ=1.01
Focus=-6.160
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.411 -5.837 -5.232
T123=14.9 16.5 17.9
ALT/AZ=80.4 -44.7
fwAVG=2.07
sdW=10.1
fwW=2.52
sdS=8.6
fwS=2.41
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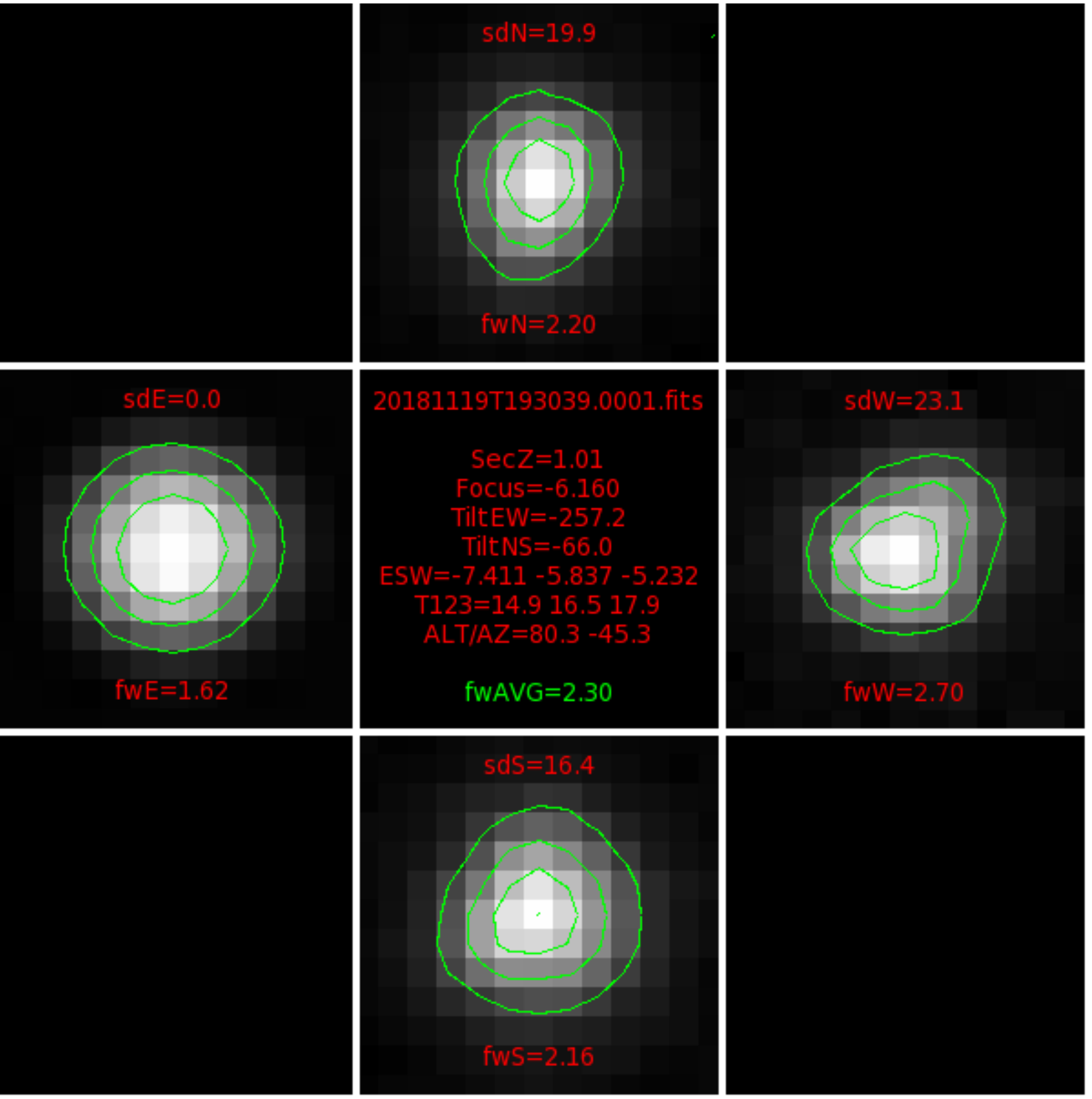
sdN=19.9
fwN=2.20
sdE=0.0
fwE=1.62
20181119T193039.0001.fits
SecZ=1.01
Focus=-6.160
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.411 -5.837 -5.232
T123=14.9 16.5 17.9
ALT/AZ=80.3 -45.3
fwAVG=2.30
sdW=23.1
fwW=2.70
sdS=16.4
fwS=2.16
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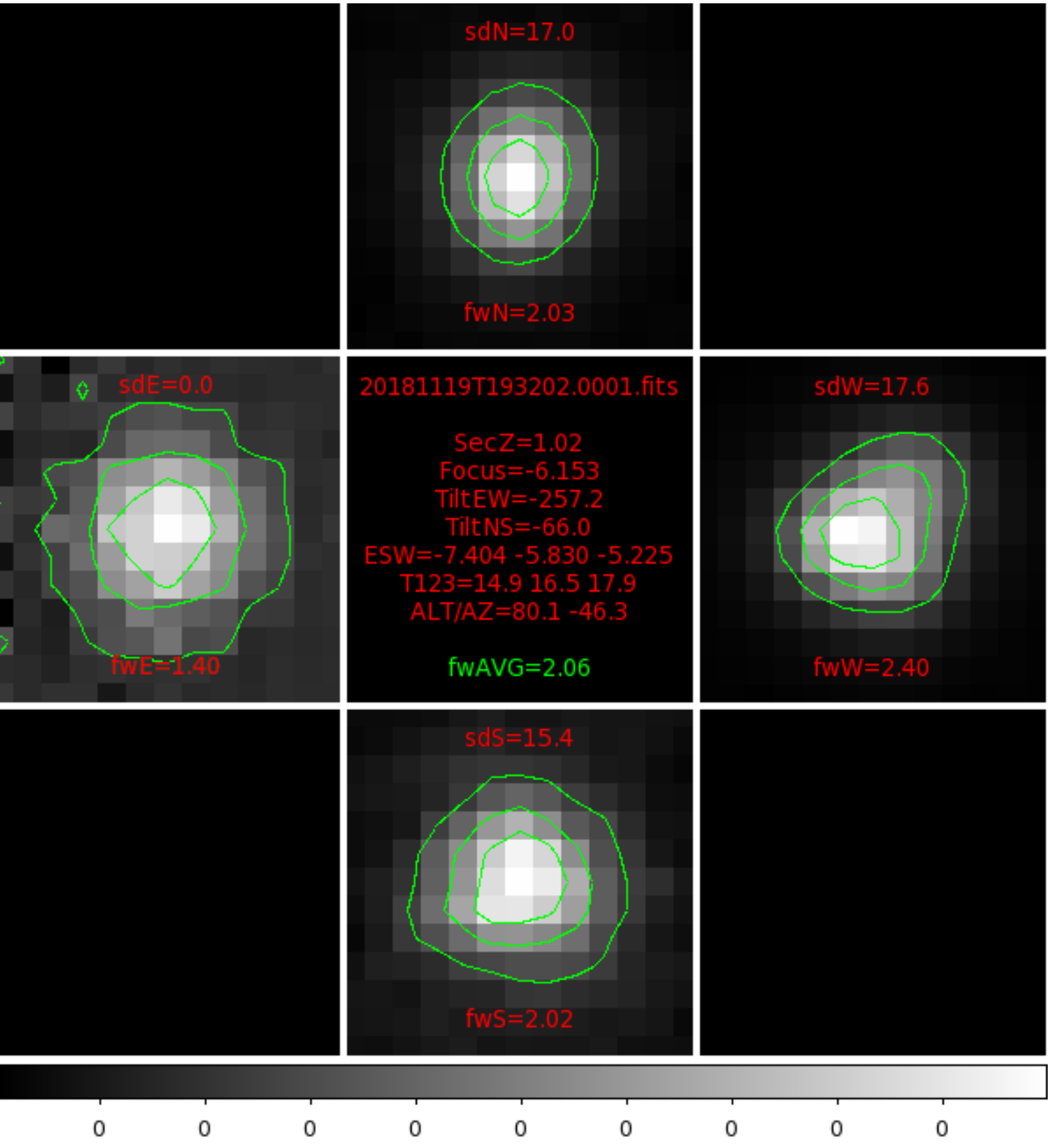
sdN=17.0
fwN=2.03
sdE=0.0
fwE=1.40
20181119T193202.0001.fits
SecZ=1.02
Focus=-6.153
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.404 -5.830 -5.225
T123=14.9 16.5 17.9
ALT/AZ=80.1 -46.3
fwAVG=2.06
sdW=17.6
fwW=2.40
sdS=15.4
fwS=2.02
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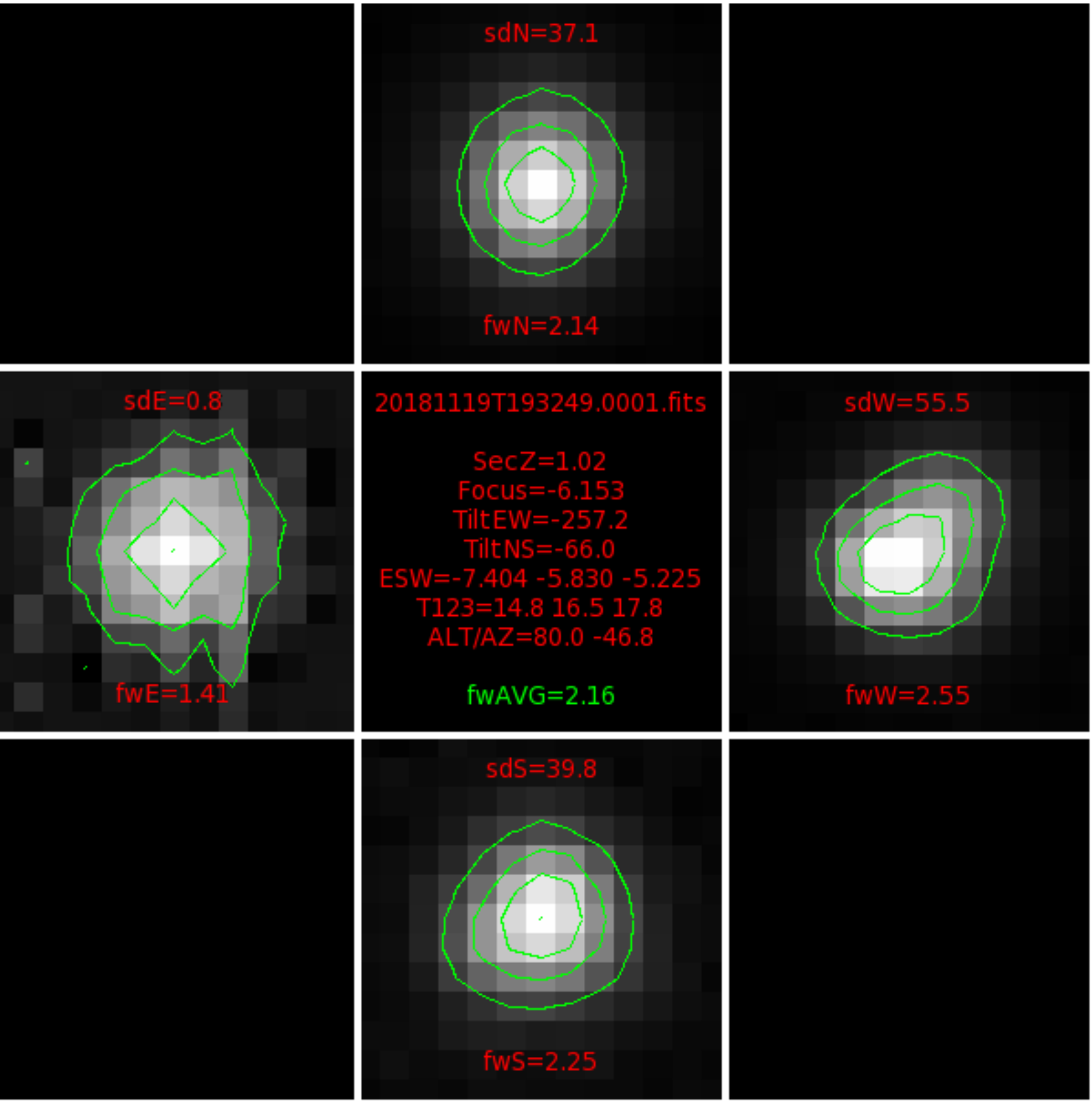
sdN=37.1
fwN=2.14
sdE=0.8
fwE=1.41
20181119T193249.0001.fits
SecZ=1.02
Focus=-6.153
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.404 -5.830 -5.225
T123=14.8 16.5 17.8
ALT/AZ=80.0 -46.8
fwAVG=2.16
sdW=55.5
fwW=2.55
sdS=39.8
fwS=2.25
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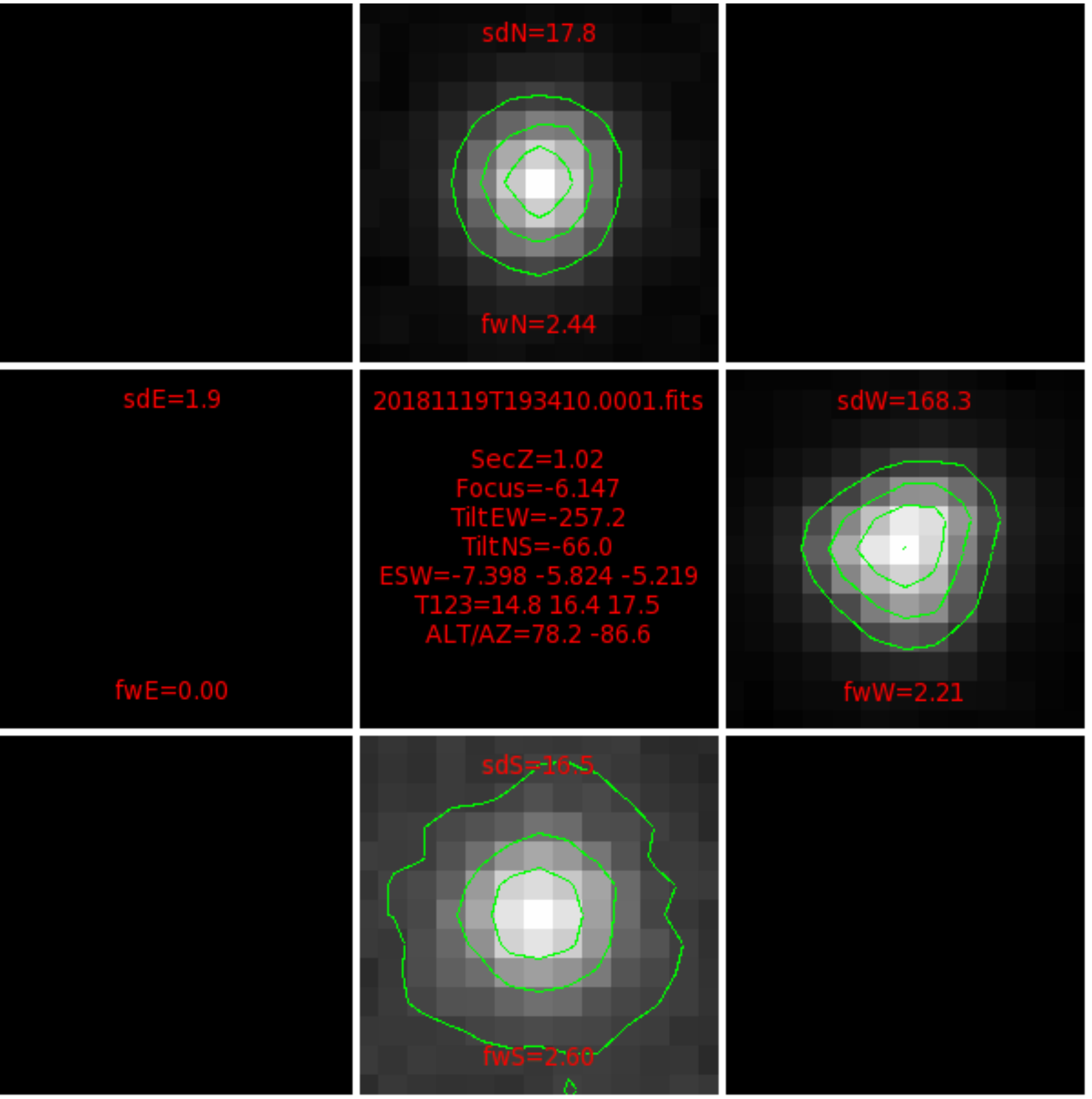
sdN=17.8
fwN=2.44
sdE=1.9
fwE=0.00
20181119T193410.0001.fits
SecZ=1.02
Focus=-6.147
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.398 -5.824 -5.219
T123=14.8 16.4 17.5
ALT/AZ=78.2 -86.6
sdW=168.3
fwW=2.21
sdS=16.5
fwS=2.60
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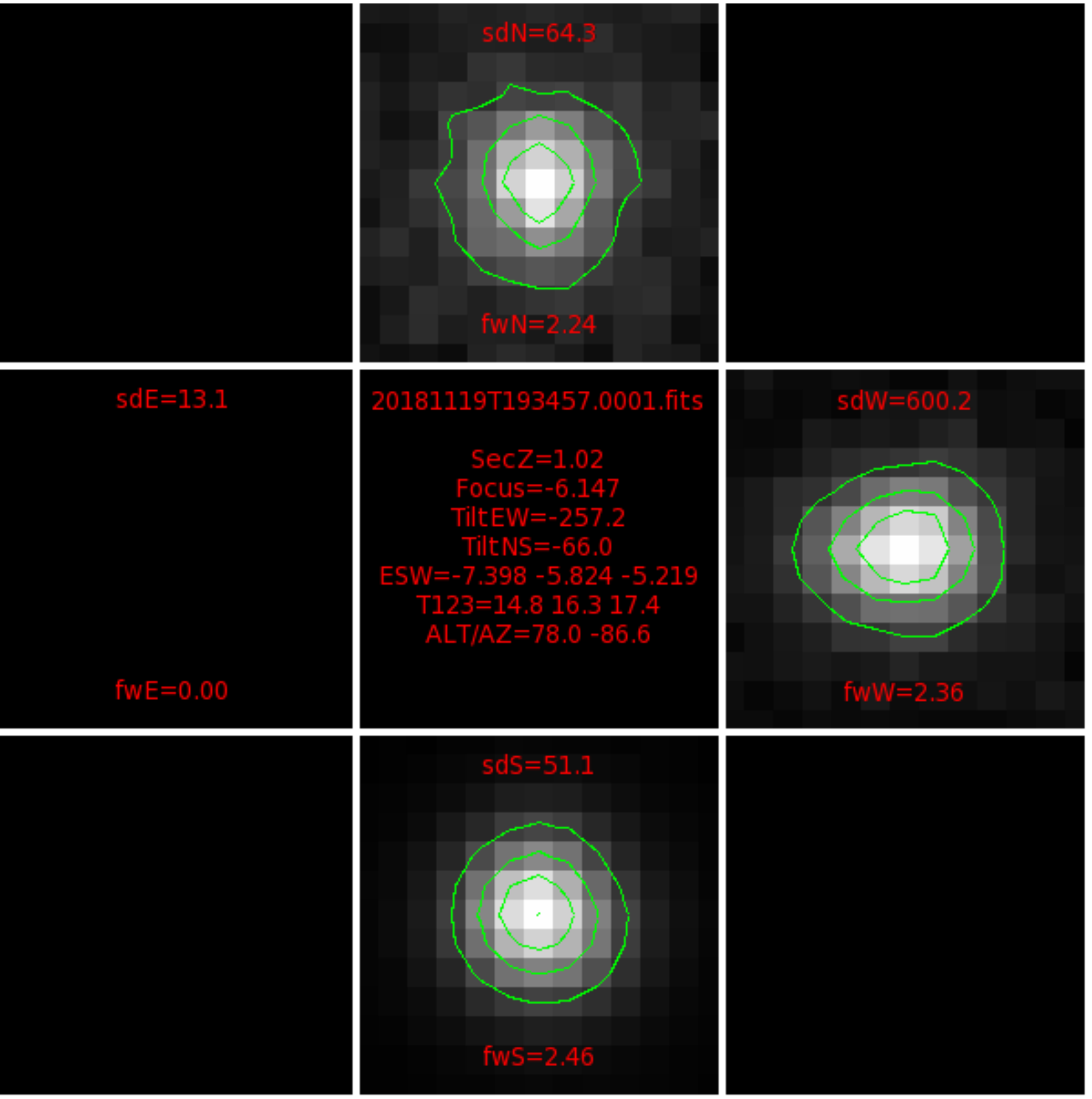
sdN=64.3
fwN=2.24
sdE=13.1
fwE=0.00
20181119T193457.0001.fits
SecZ=1.02
Focus=-6.147
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.398 -5.824 -5.219
T123=14.8 16.3 17.4
ALT/AZ=78.0 -86.6
sdW=600.2
fwW=2.36
sdS=51.1
fwS=2.46
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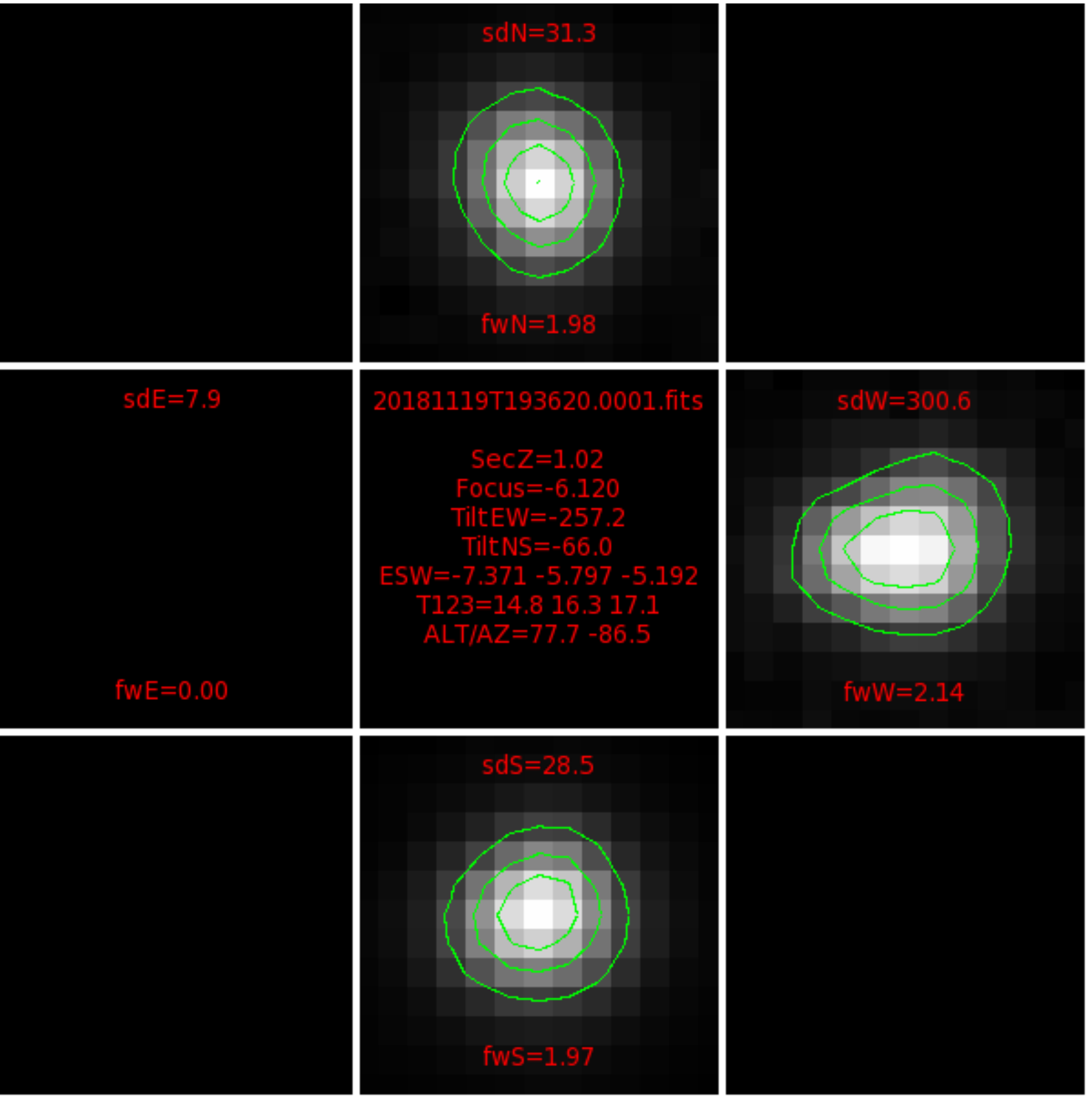
sdN=31.3
fwN=1.98
sdE=7.9
fwE=0.00
20181119T193620.0001.fits
SecZ=1.02
Focus=-6.120
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.371 -5.797 -5.192
T123=14.8 16.3 17.1
ALT/AZ=77.7 -86.5
sdW=300.6
fwW=2.14
sdS=28.5
fwS=1.97
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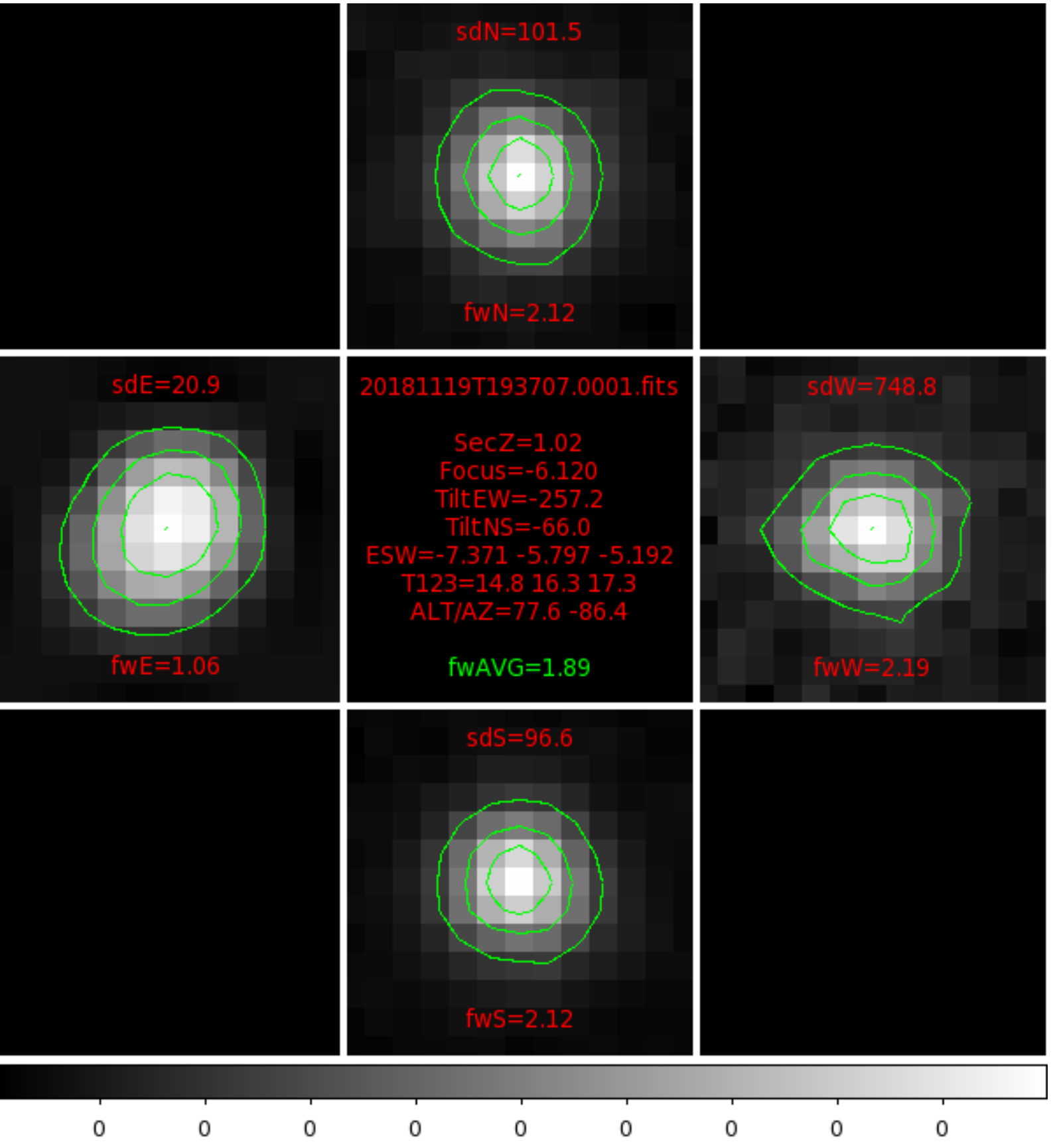
sdN=101.5
fwN=2.12
sdE=20.9
fwE=1.06
20181119T193707.0001.fits
SecZ=1.02
Focus=-6.120
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.371 -5.797 -5.192
T123=14.8 16.3 17.3
ALT/AZ=77.6 -86.4
fwAVG=1.89
sdW=748.8
fwW=2.19
sdS=96.6
fwS=2.12
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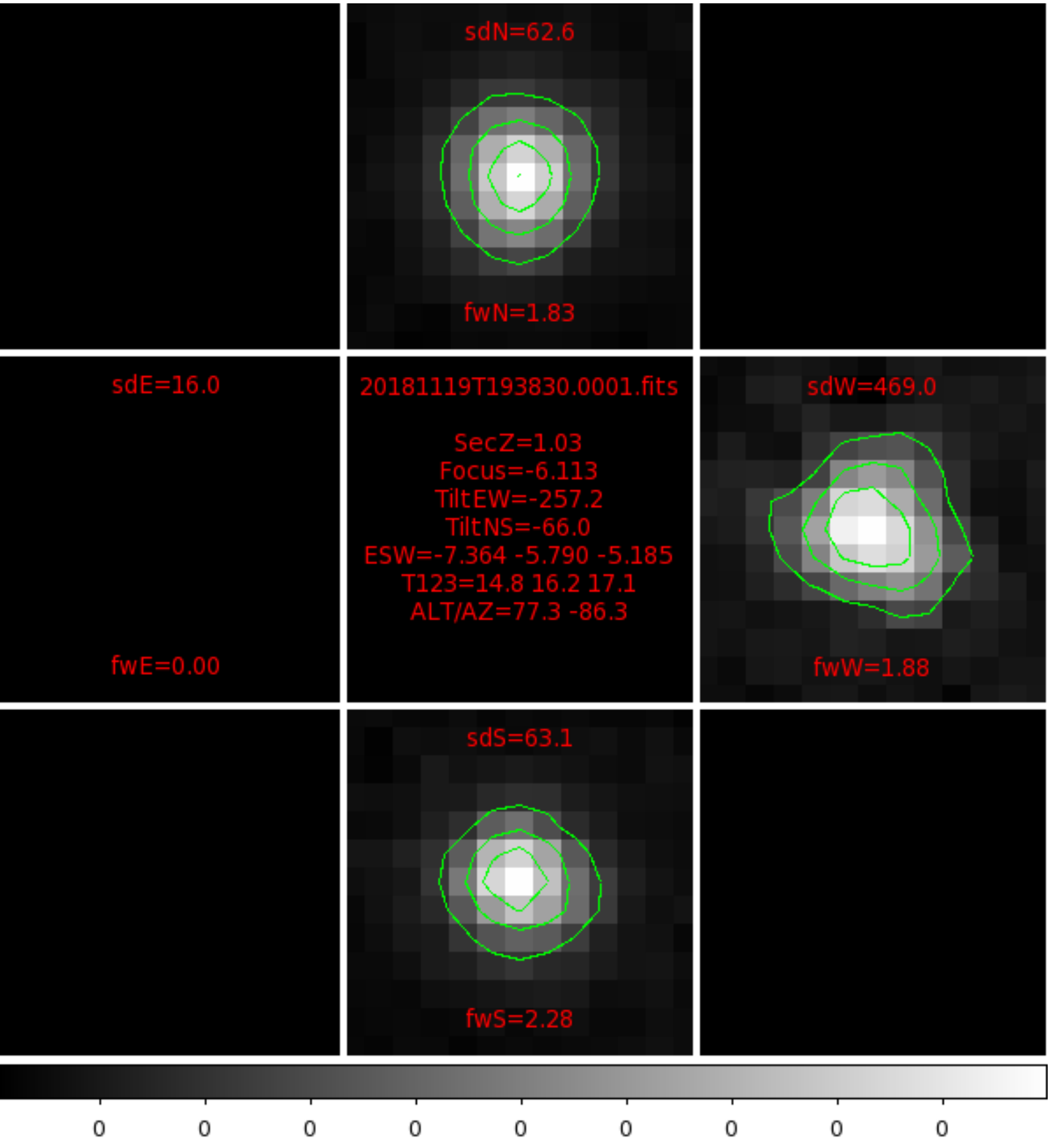
sdN=62.6
fwN=1.83
sdE=16.0
fwE=0.00
20181119T193830.0001.fits
SecZ=1.03
Focus=-6.113
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.364 -5.790 -5.185
T123=14.8 16.2 17.1
ALT/AZ=77.3 -86.3
sdW=469.0
fwW=1.88
sdS=63.1
fwS=2.28
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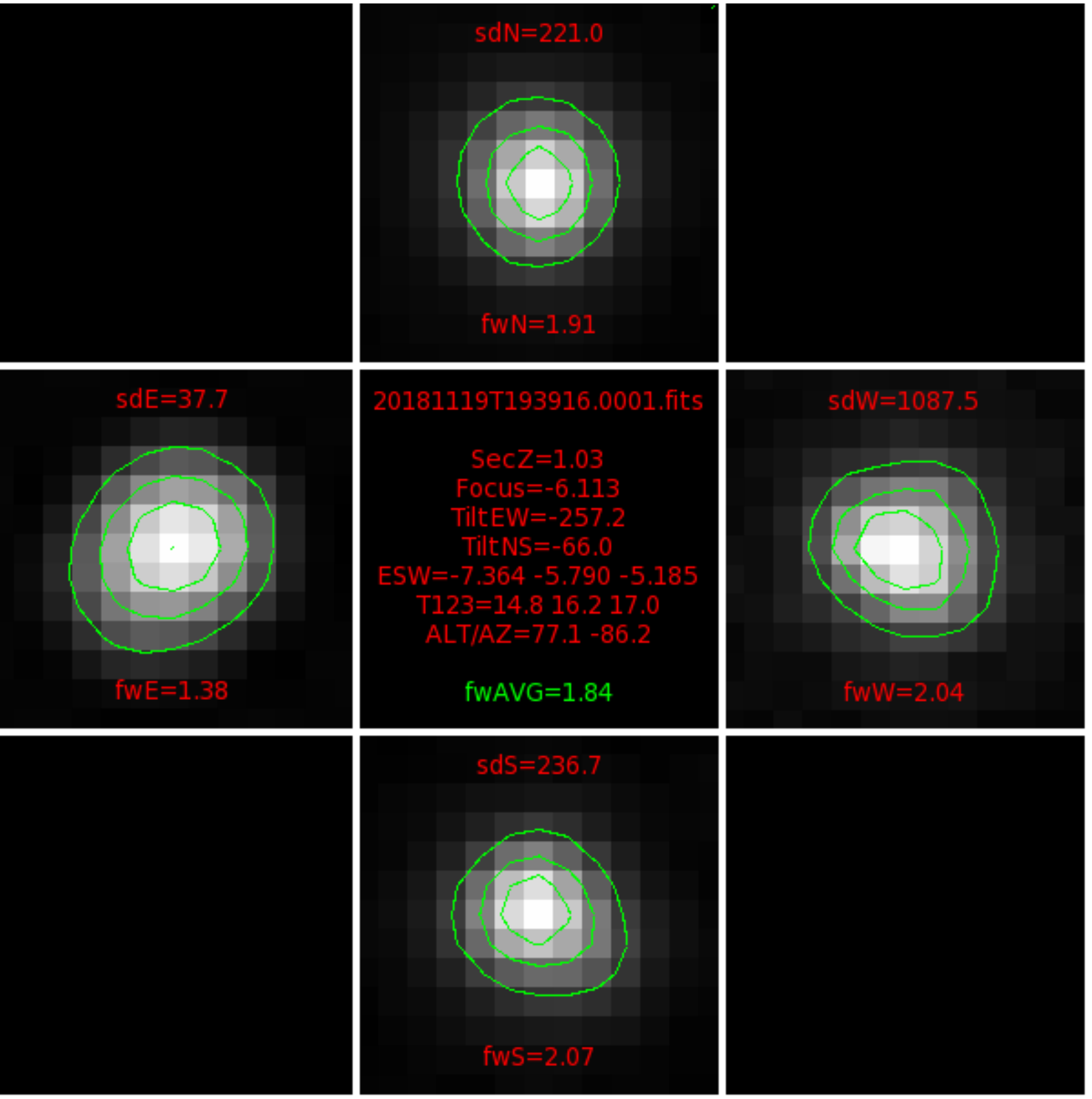
sdN=221.0
fwN=1.91
sdE=37.7
fwE=1.38
20181119T193916.0001.fits
SecZ=1.03
Focus=-6.113
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.364 -5.790 -5.185
T123=14.8 16.2 17.0
ALT/AZ=77.1 -86.2
fwAVG=1.84
sdW=1087.5
fwW=2.04
sdS=236.7
fwS=2.07
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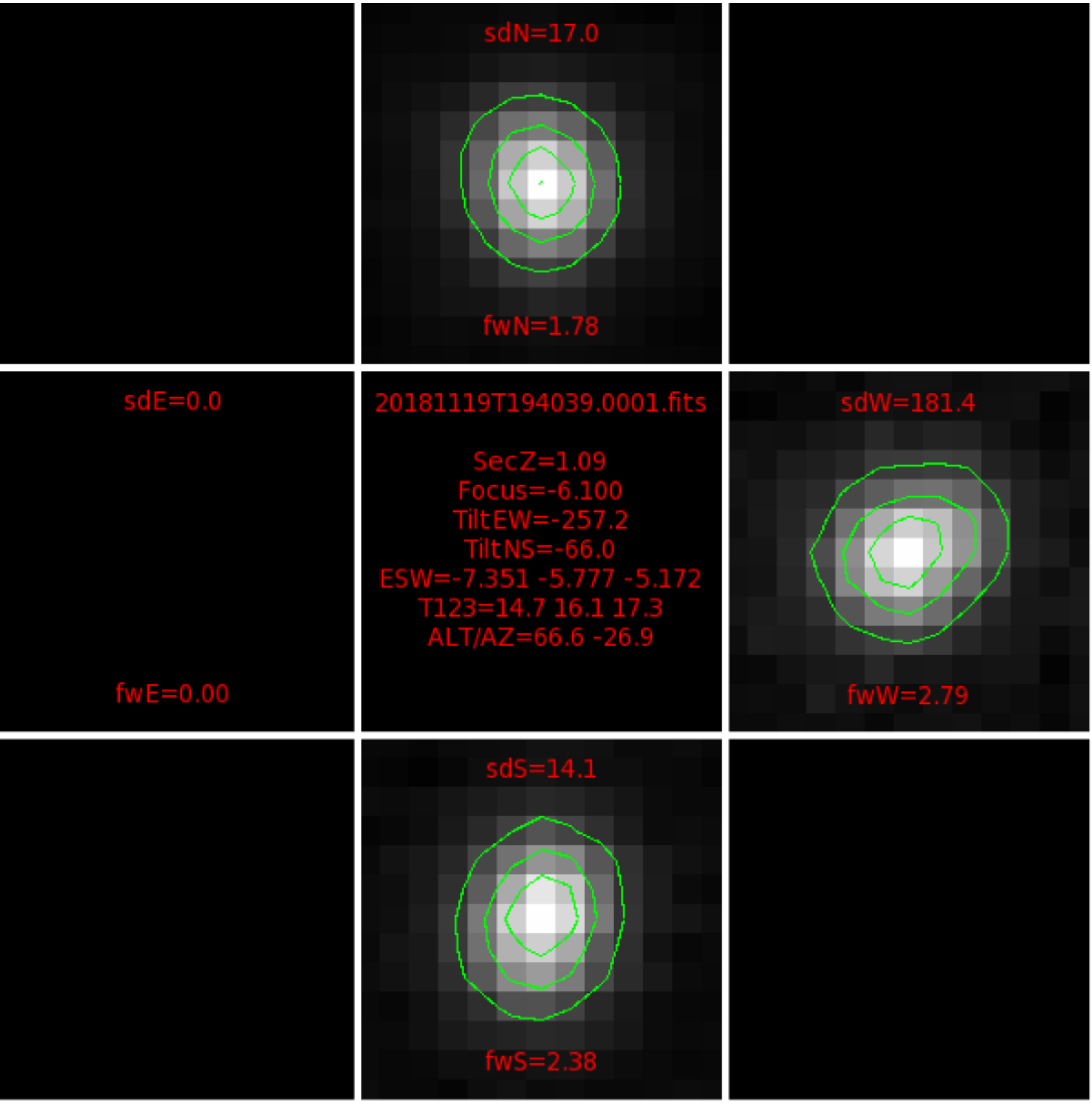
sdN=17.0
fwN=1.78
sdE=0.0
fwE=0.00
20181119T194039.0001.fits
SecZ=1.09
Focus=-6.100
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.351 -5.777 -5.172
T123=14.7 16.1 17.3
ALT/AZ=66.6 -26.9
sdW=181.4
fwW=2.79
sdS=14.1
fwS=2.38
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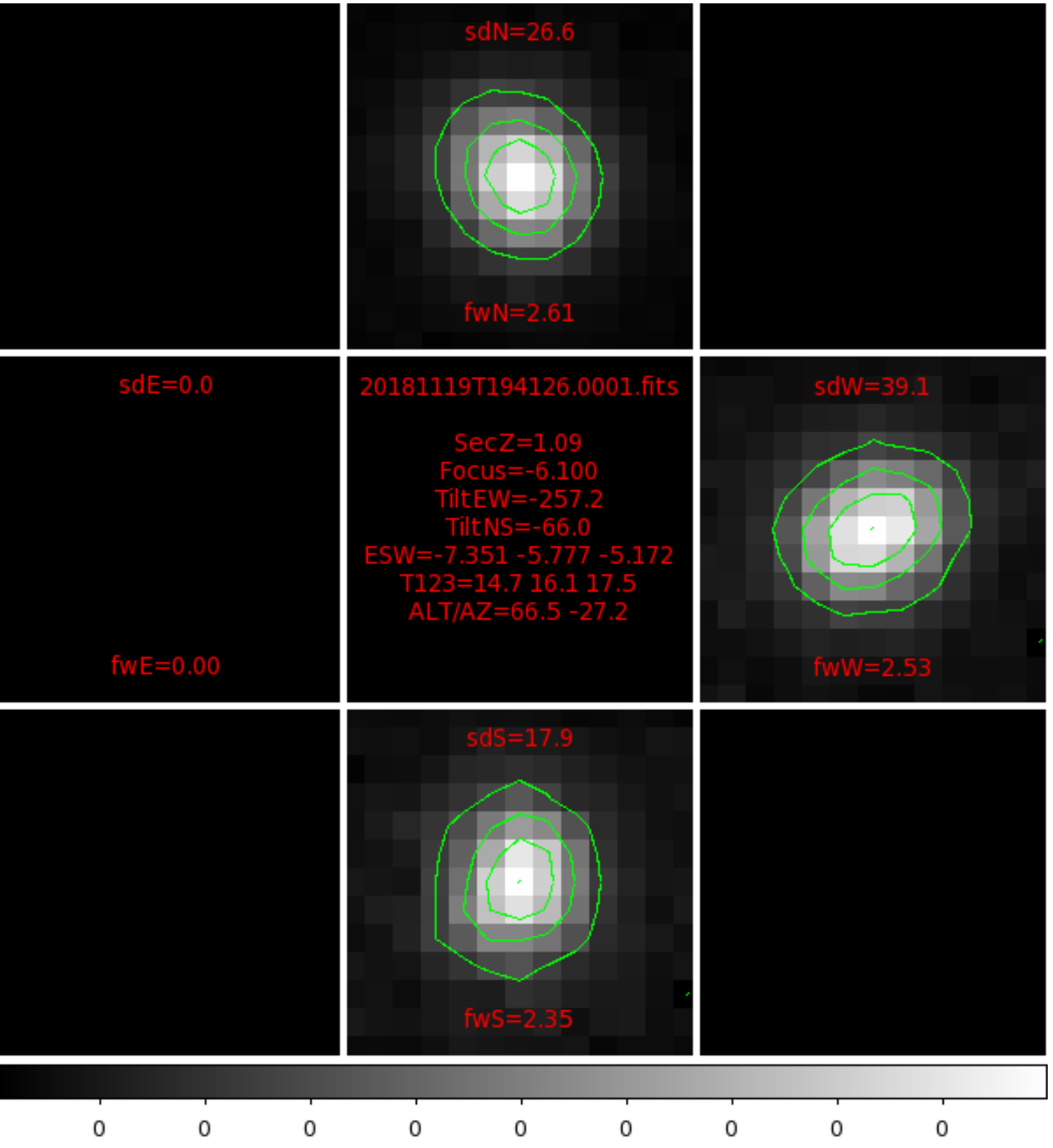
sdN=26.6
fwN=2.61
sdE=0.0
fwE=0.00
20181119T194126.0001.fits
SecZ=1.09
Focus=-6.100
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.351 -5.777 -5.172
T123=14.7 16.1 17.5
ALT/AZ=66.5 -27.2
sdW=39.1
fwW=2.53
sdS=17.9
fwS=2.35
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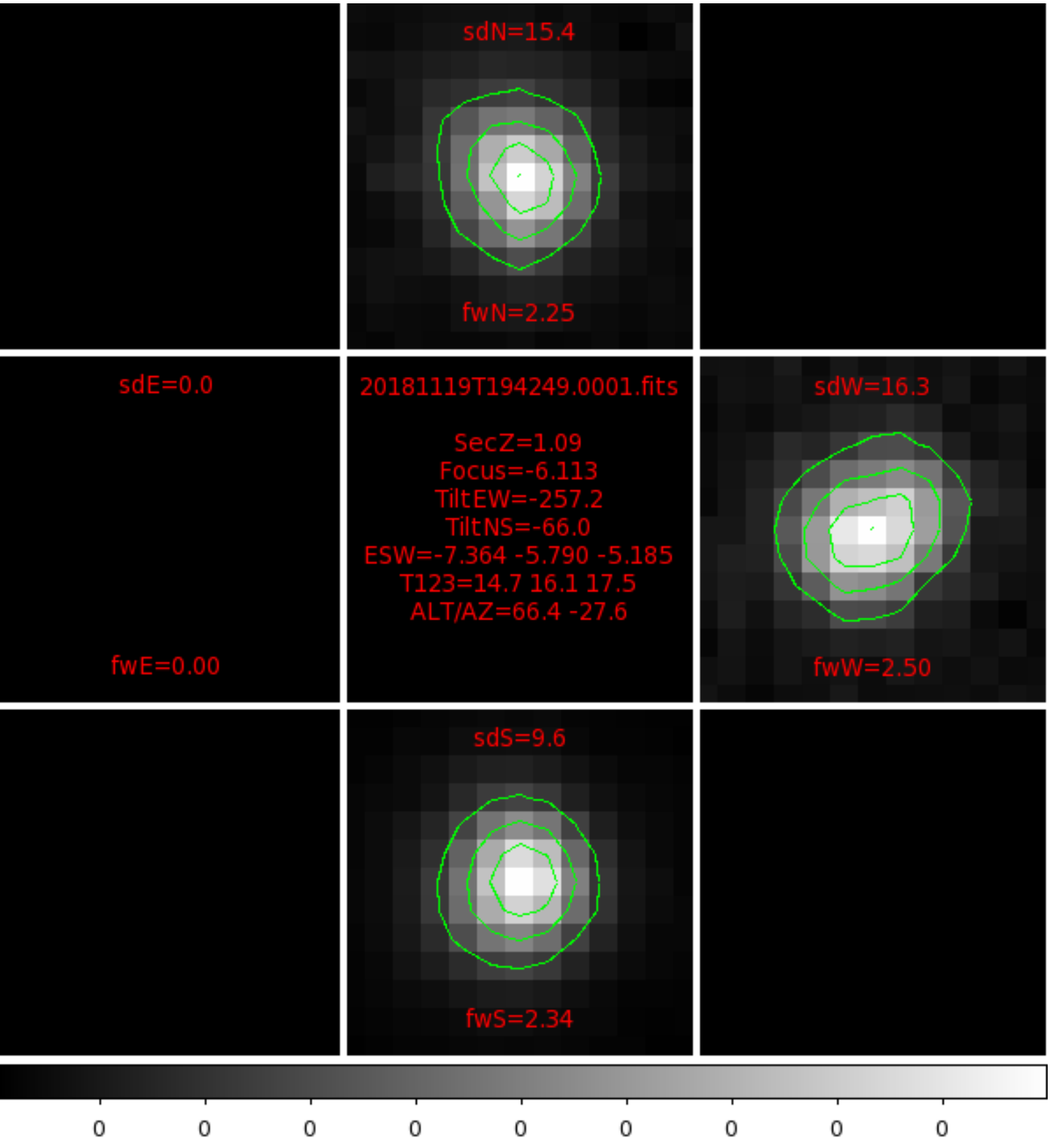
sdN=15.4
fwN=2.25
sdE=0.0
fwE=0.00
20181119T194249.0001.fits
SecZ=1.09
Focus=-6.113
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.364 -5.790 -5.185
T123=14.7 16.1 17.5
ALT/AZ=66.4 -27.6
sdW=16.3
fwW=2.50
sdS=9.6
fwS=2.34
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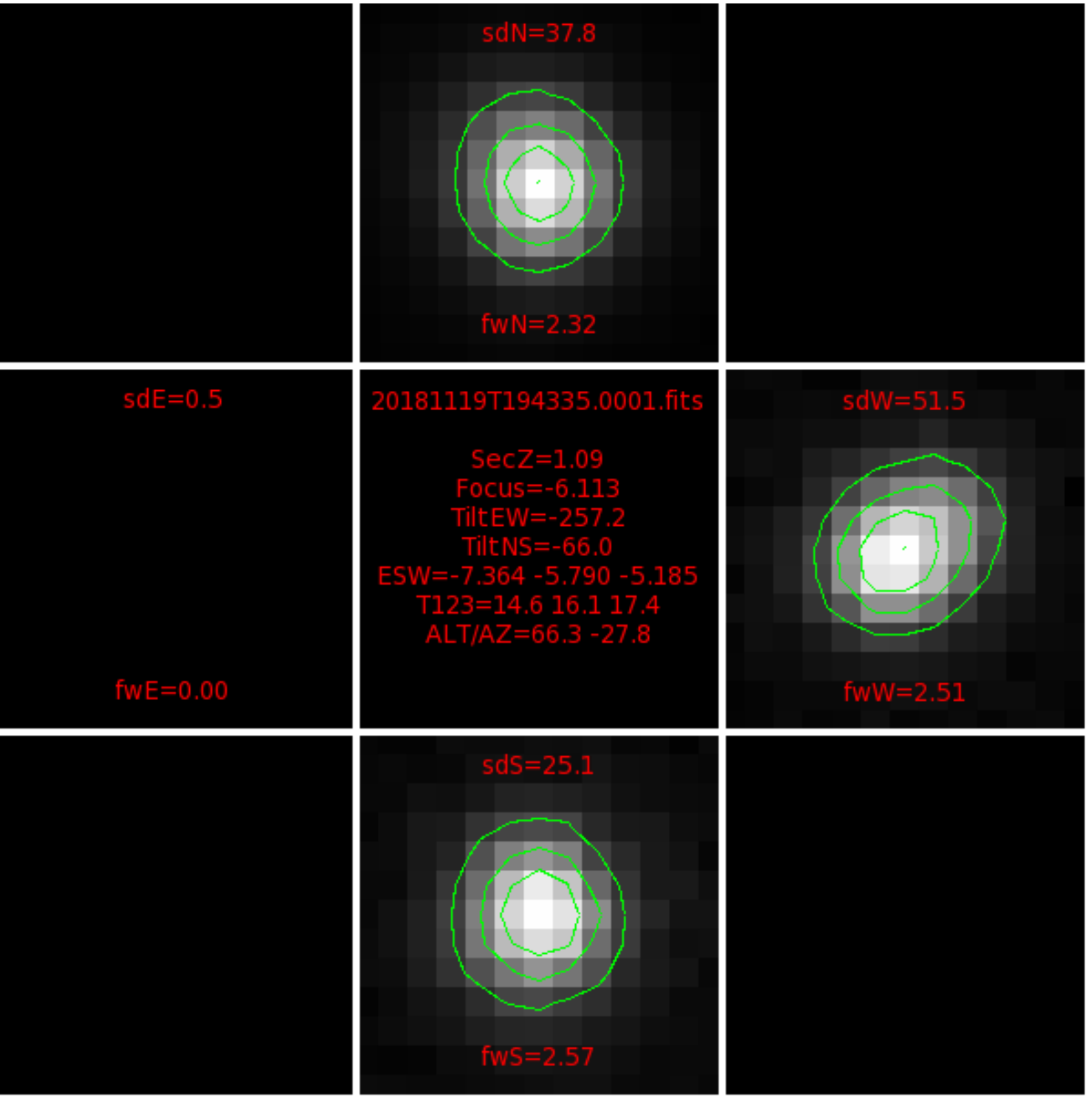
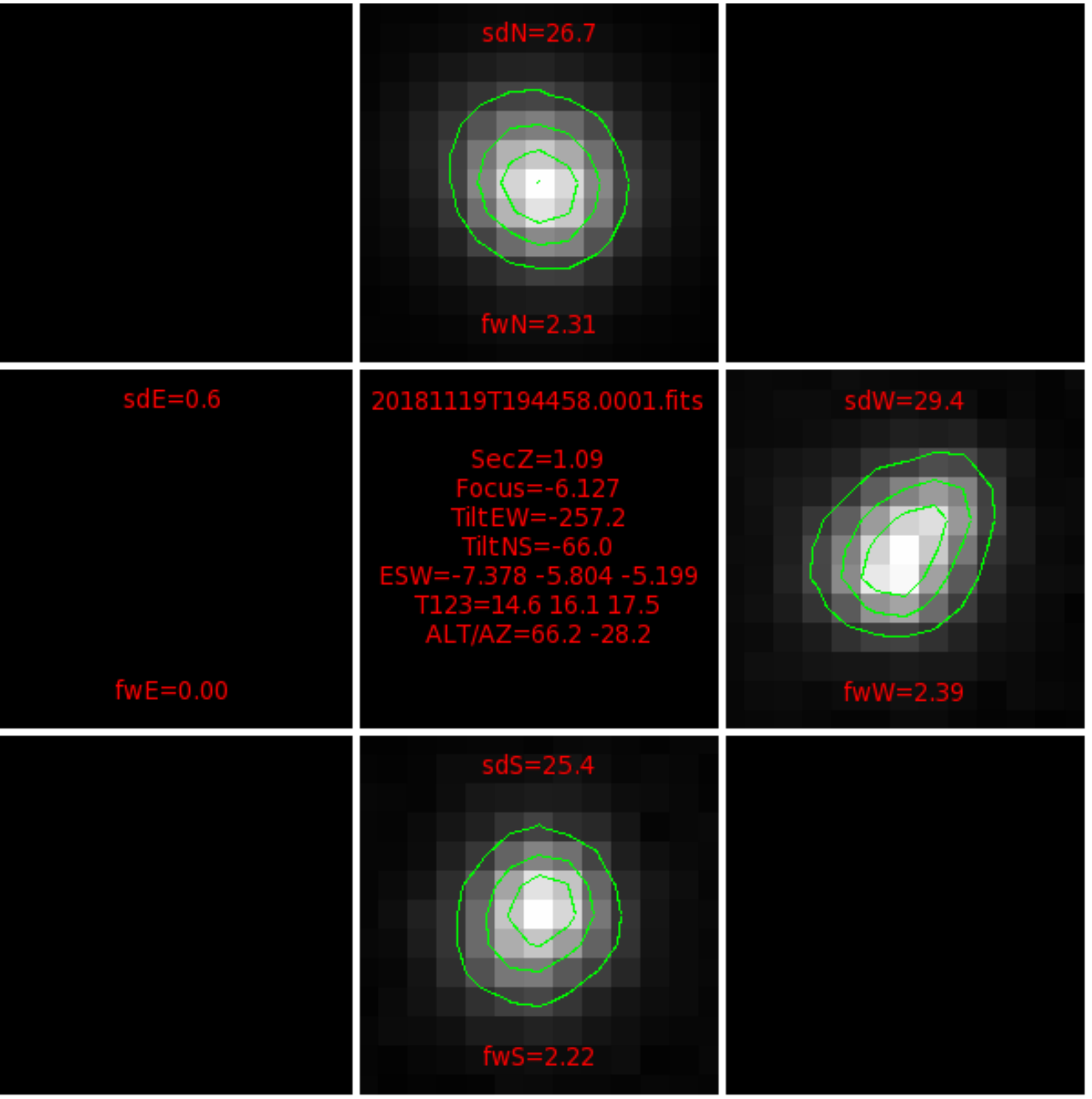

sdN=37.8
fwN=2.32
sdE=0.5
fwE=0.00
20181119T194335.0001.fits
SecZ=1.09
Focus=-6.113
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.364 -5.790 -5.185
T123=14.6 16.1 17.4
ALT/AZ=66.3 -27.8
sdW=51.5
fwW=2.51
sdS=25.1
fwS=2.57
0 0 0 0 0 0 0 0 0


sdN=26.7
fwN=2.31
sdE=0.6
fwE=0.00
20181119T194458.0001.fits
SecZ=1.09
Focus=-6.127
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.378 -5.804 -5.199
T123=14.6 16.1 17.5
ALT/AZ=66.2 -28.2
sdW=29.4
fwW=2.39
sdS=25.4
fwS=2.22
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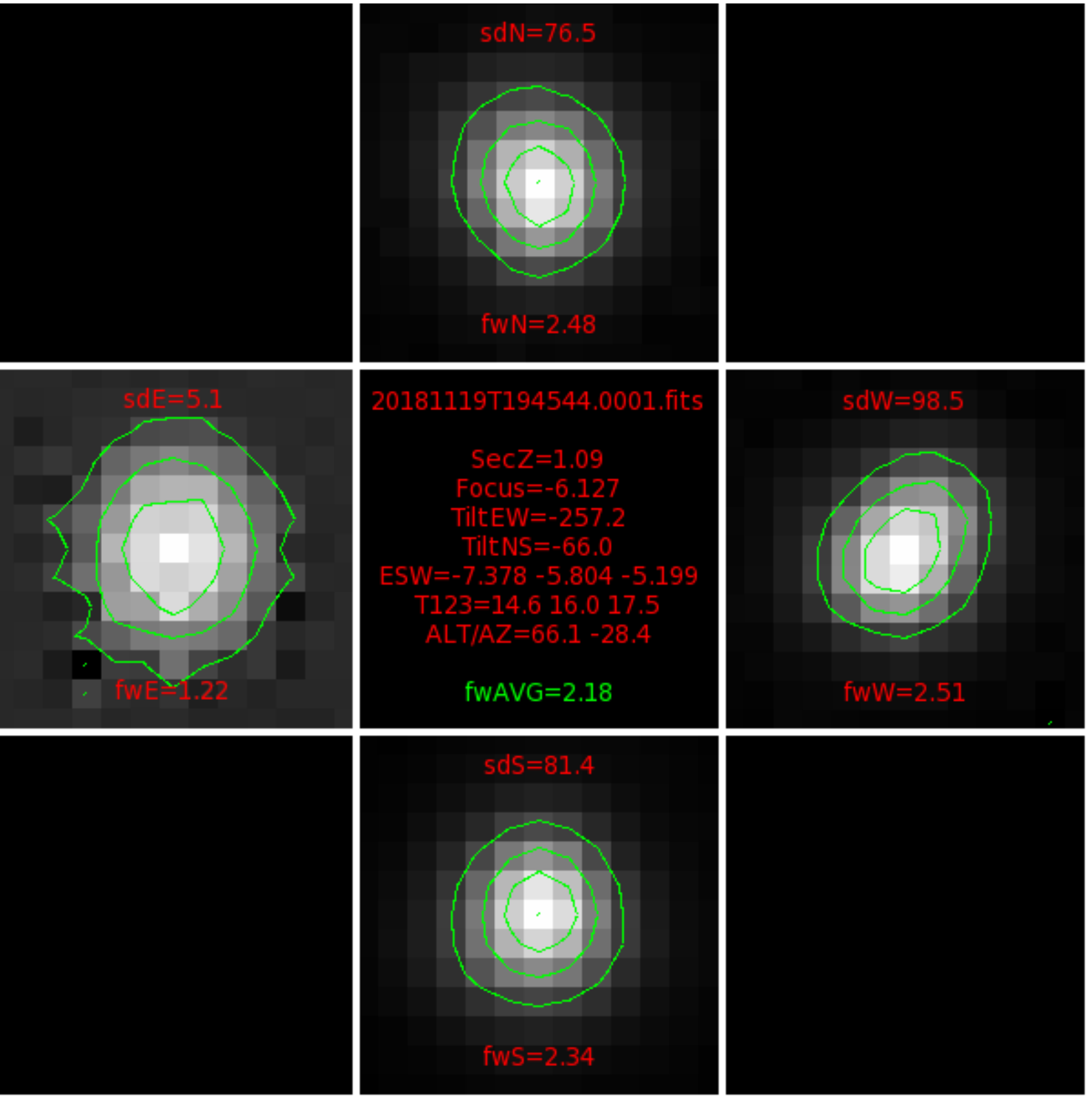
sdN=76.5
fwN=2.48
sdE=5.1
fwE=1.22
20181119T194544.0001.fits
SecZ=1.09
Focus=-6.127
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.378 -5.804 -5.199
T123=14.6 16.0 17.5
ALT/AZ=66.1 -28.4
fwAVG=2.18
sdW=98.5
fwW=2.51
sdS=81.4
fwS=2.34
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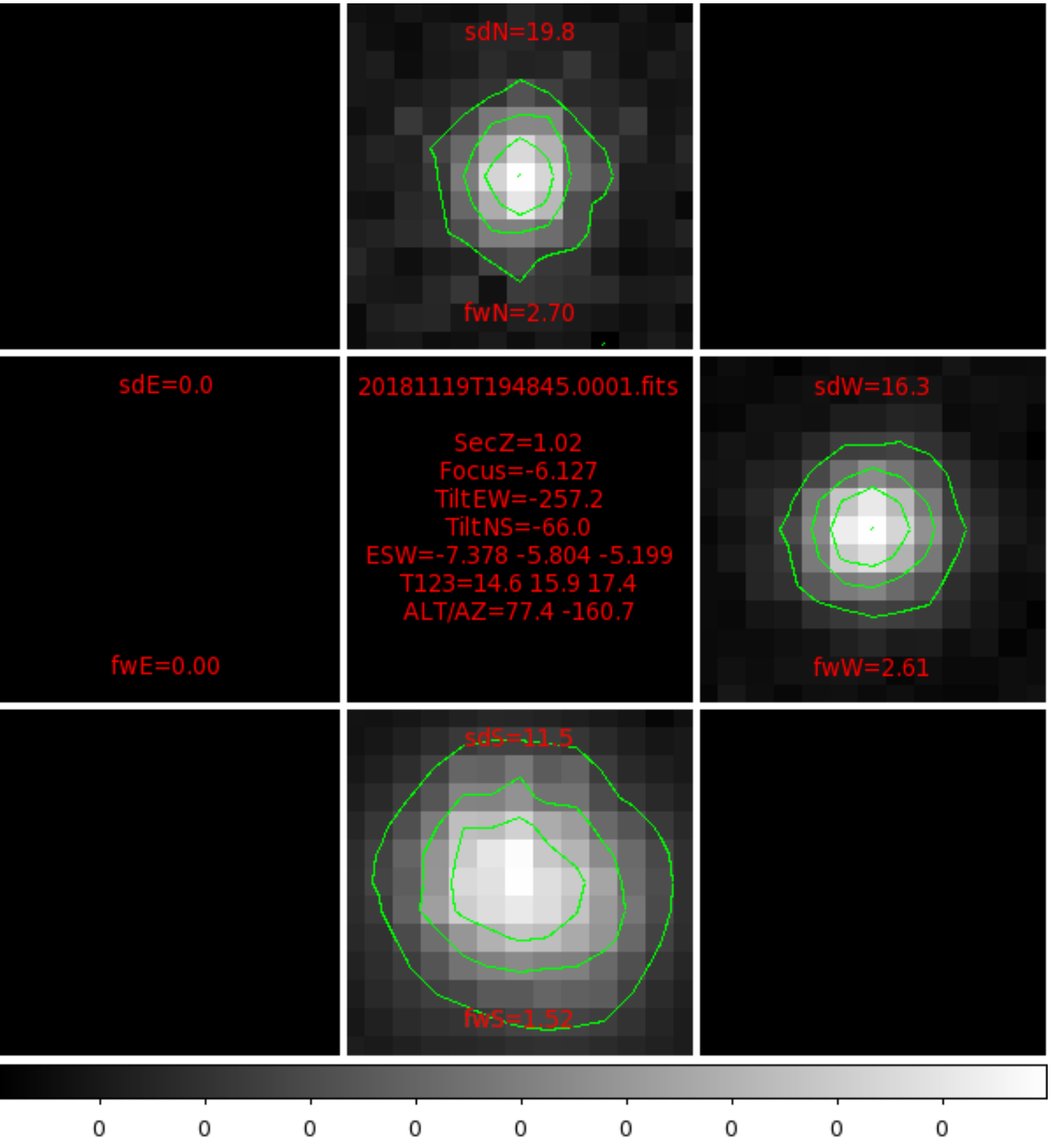
sdN=19.8
fwN=2.70
sdE=0.0
fwE=0.00
20181119T194845.0001.fits
SecZ=1.02
Focus=-6.127
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.378 -5.804 -5.199
T123=14.6 15.9 17.4
ALT/AZ=77.4 -160.7
sdW=16.3
fwW=2.61
sdS=11.5
fwS=1.52
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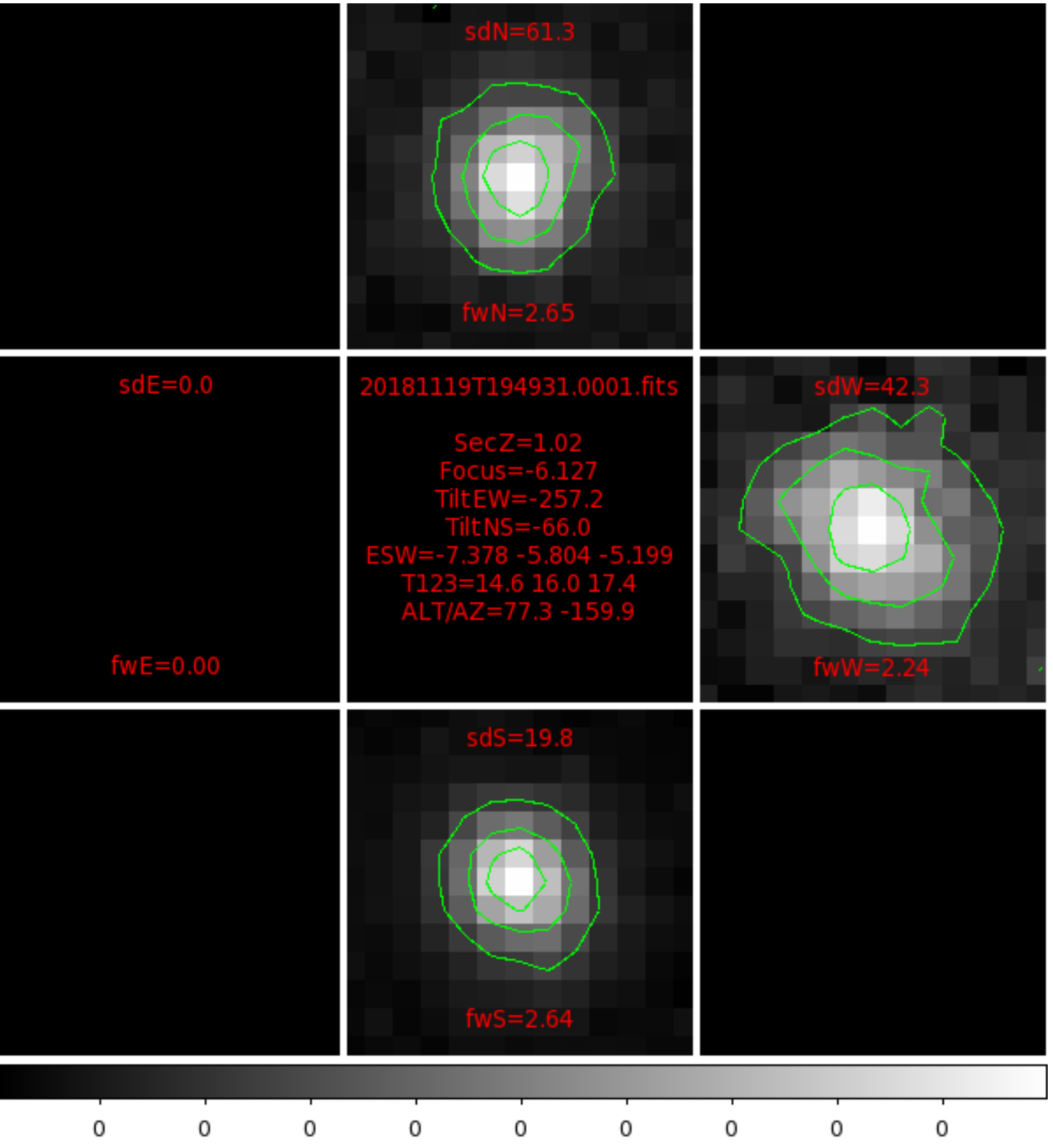
sdN=61.3
fwN=2.65
sdE=0.0
fwE=0.00
20181119T194931.0001.fits
SecZ=1.02
Focus=-6.127
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.378 -5.804 -5.199
T123=14.6 16.0 17.4
ALT/AZ=77.3 -159.9
sdW=42.3
fwW=2.24
sdS=19.8
fwS=2.64
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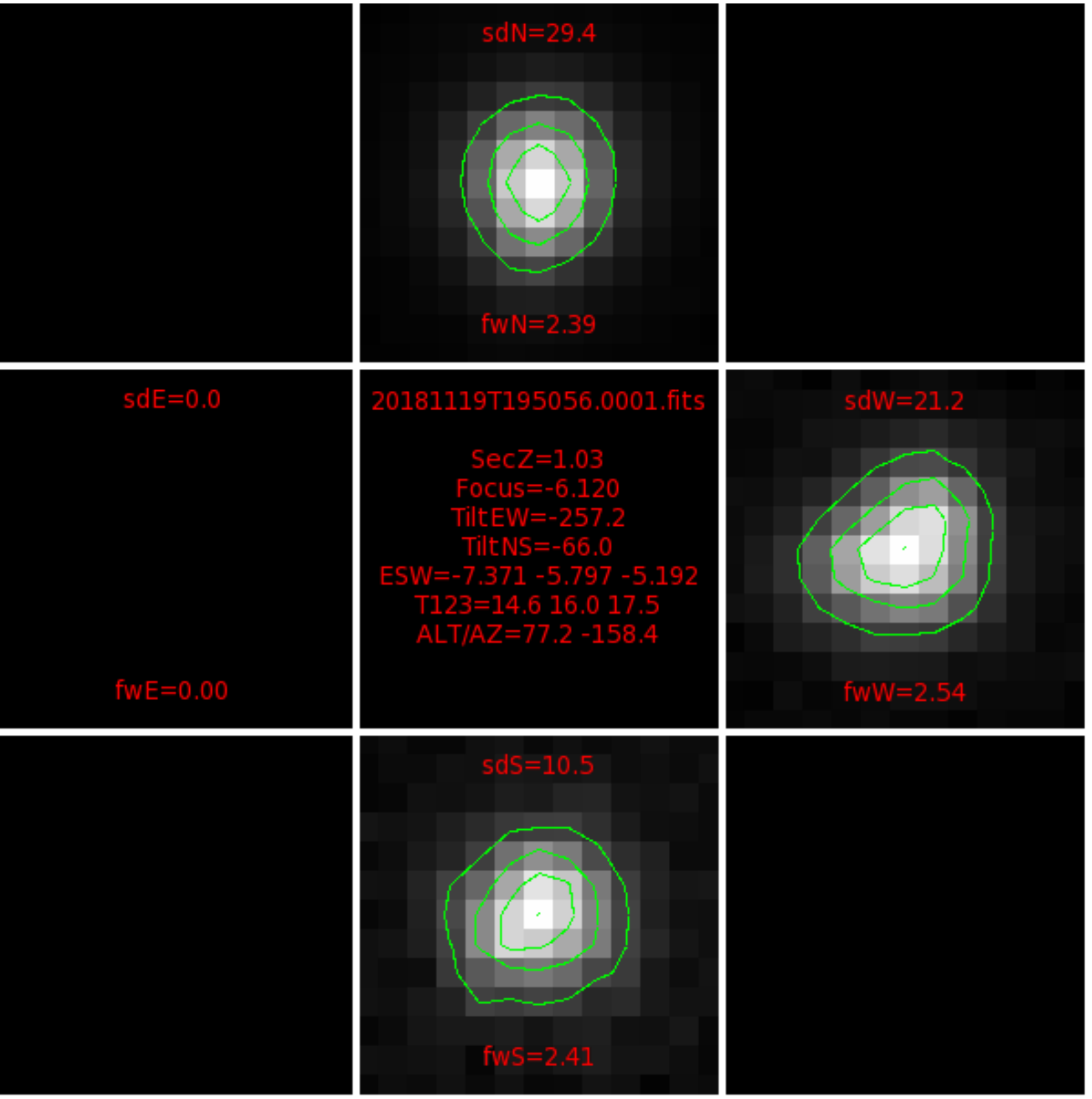
sdN=29.4
fwN=2.39
sdE=0.0
fwE=0.00
20181119T195056.0001.fits
SecZ=1.03
Focus=-6.120
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.371 -5.797 -5.192
T123=14.6 16.0 17.5
ALT/AZ=77.2 -158.4
sdW=21.2
fwW=2.54
sdS=10.5
fwS=2.41
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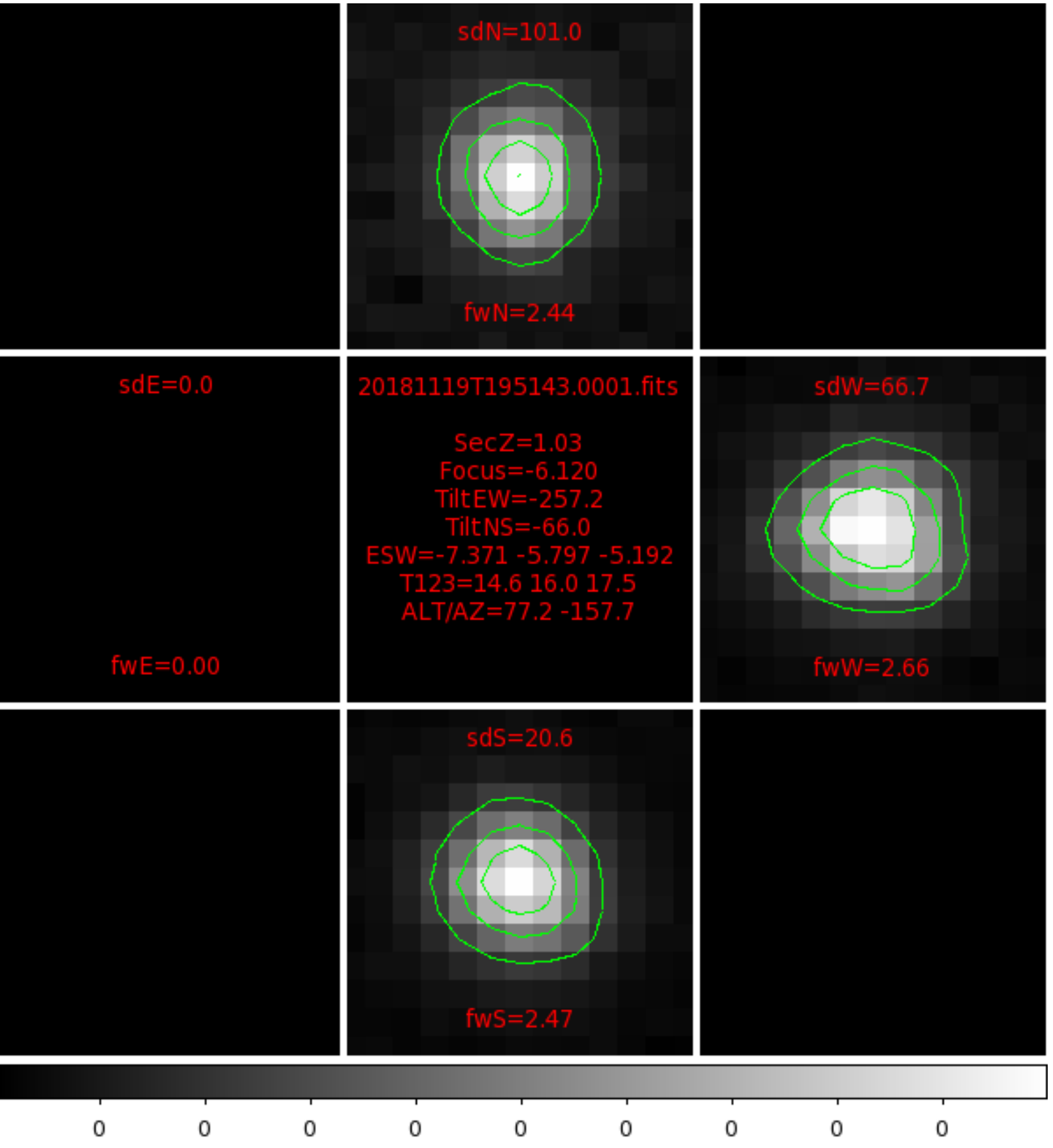
sdN=101.0
fwN=2.44
sdE=0.0
fwE=0.00
20181119T195143.0001.fits
SecZ=1.03
Focus=-6.120
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.371 -5.797 -5.192
T123=14.6 16.0 17.5
ALT/AZ=77.2 -157.7
sdW=66.7
fwW=2.66
sdS=20.6
fwS=2.47
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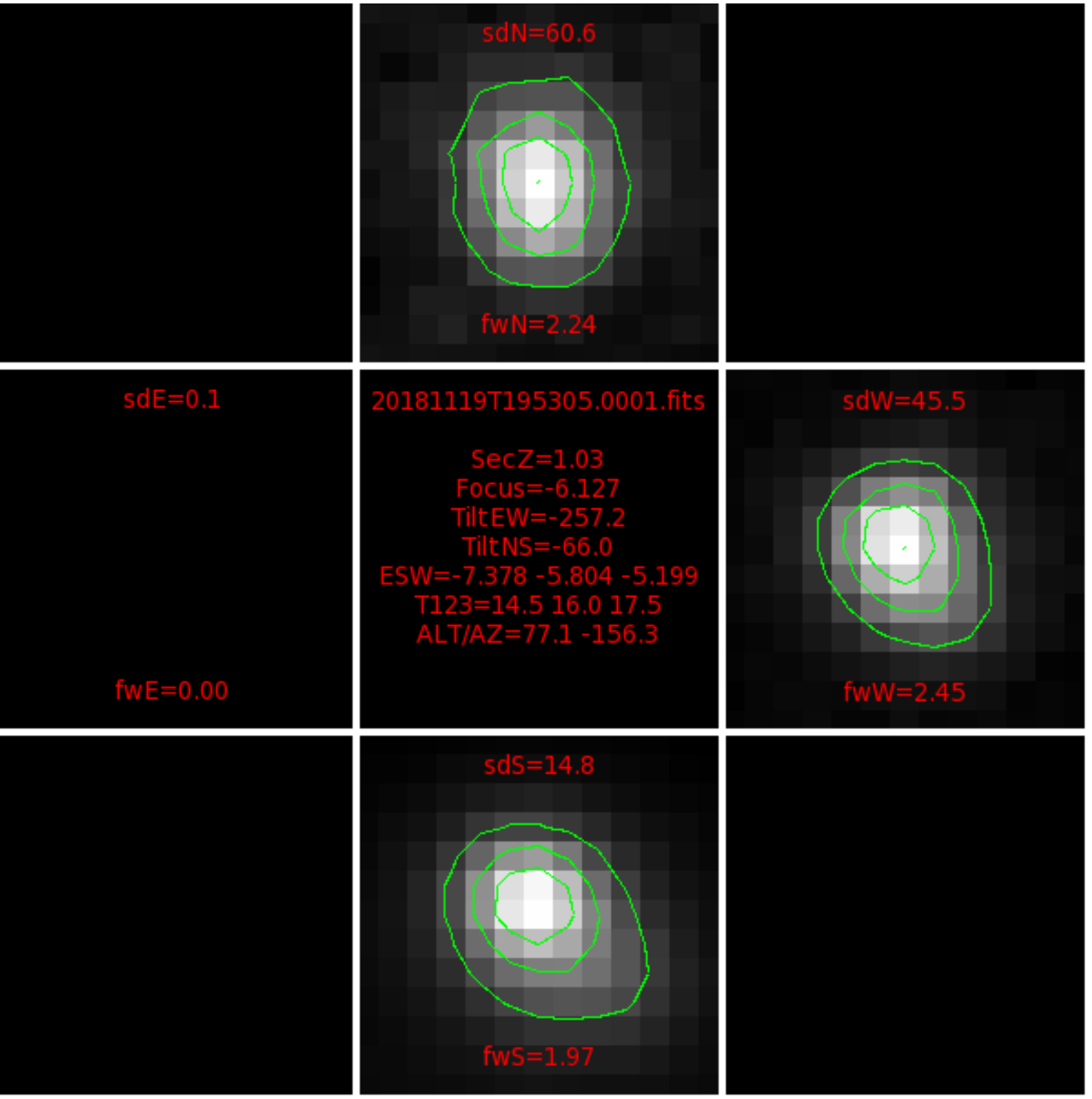
sdN=60.6
fwN=2.24
sdE=0.1
fwE=0.00
20181119T195305.0001.fits
SecZ=1.03
Focus=-6.127
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.378 -5.804 -5.199
T123=14.5 16.0 17.5
ALT/AZ=77.1 -156.3
sdW=45.5
fwW=2.45
sdS=14.8
fwS=1.97
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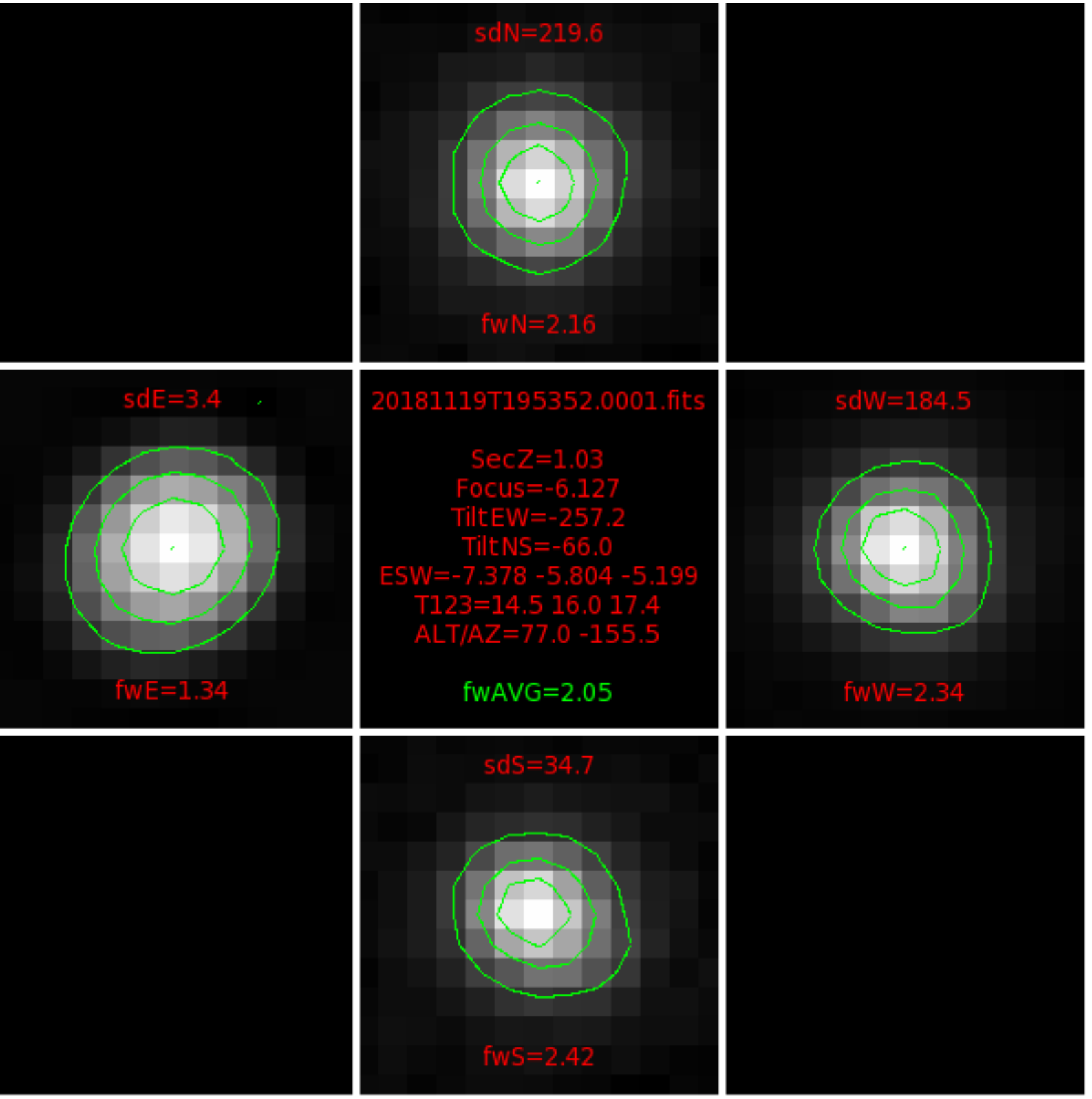
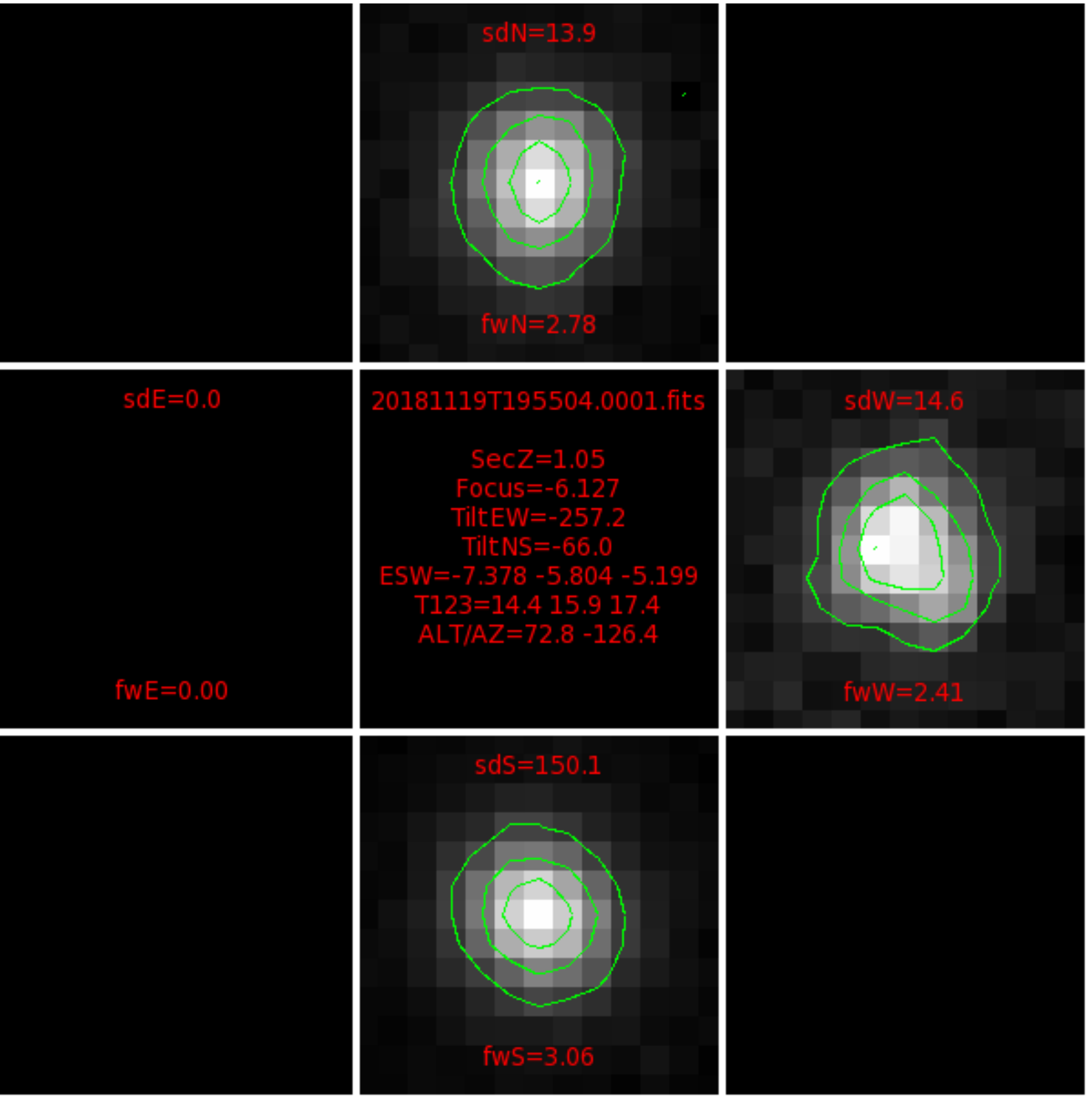
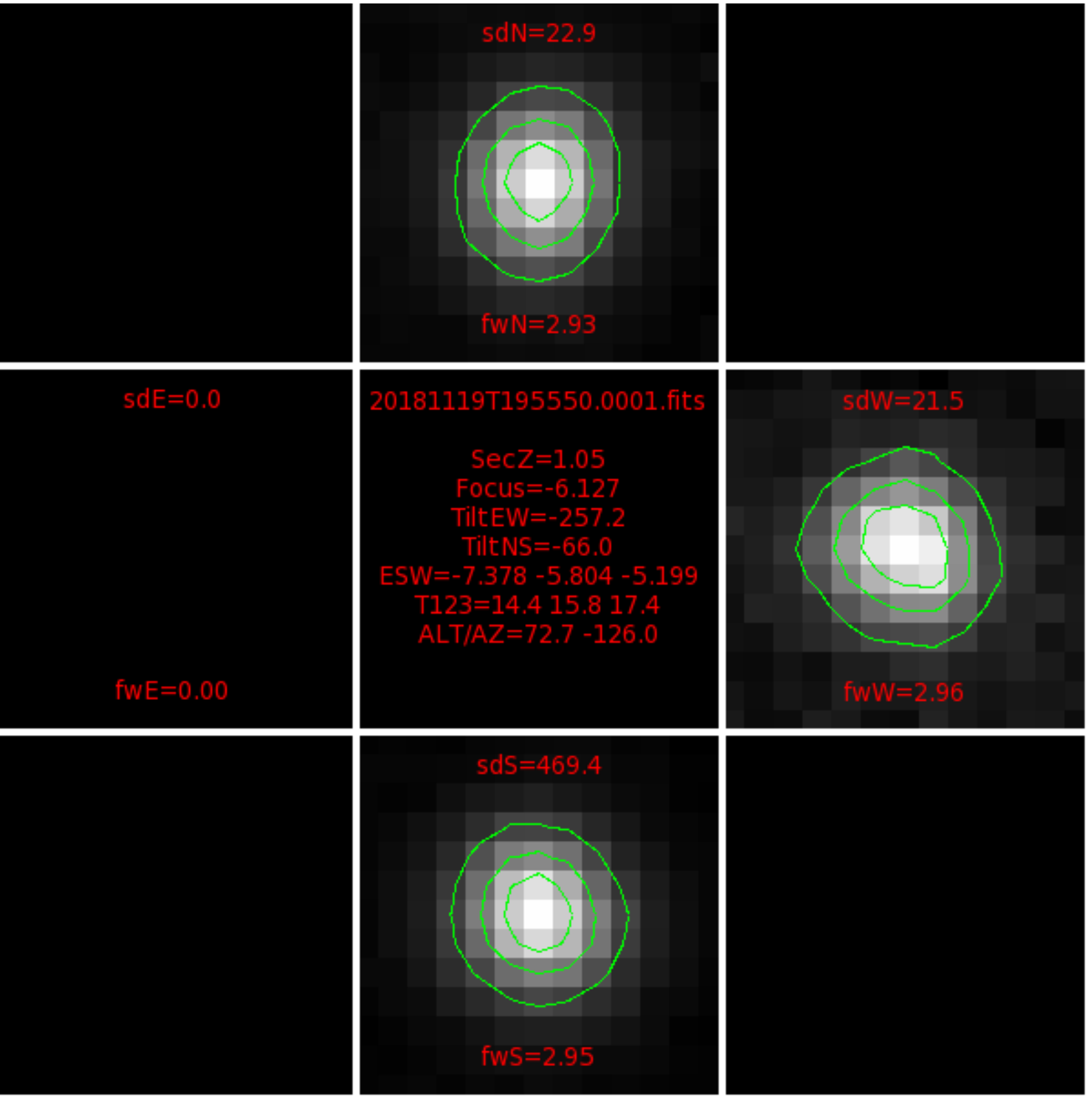

sdN=219.6
fwN=2.16
sdE=3.4
fwE=1.34
20181119T195352.0001.fits
SecZ=1.03
Focus=-6.127
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.378 -5.804 -5.199
T123=14.5 16.0 17.4
ALT/AZ=77.0 -155.5
fwAVG=2.05
sdW=184.5
fwW=2.34
sdS=34.7
fwS=2.42
0 0 0 0 0 0 0 0 0


sdN=13.9
fwN=2.78
sdE=0.0
fwE=0.00
20181119T195504.0001.fits
SecZ=1.05
Focus=-6.127
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.378 -5.804 -5.199
T123=14.4 15.9 17.4
ALT/AZ=72.8 -126.4
sdW=14.6
fwW=2.41
sdS=150.1
fwS=3.06
0 0 0 0 0 0 0 0 0


sdN=22.9
fwN=2.93
sdE=0.0
fwE=0.00
20181119T195550.0001.fits
SecZ=1.05
Focus=-6.127
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.378 -5.804 -5.199
T123=14.4 15.8 17.4
ALT/AZ=72.7 -126.0
sdW=21.5
fwW=2.96
sdS=469.4
fwS=2.95
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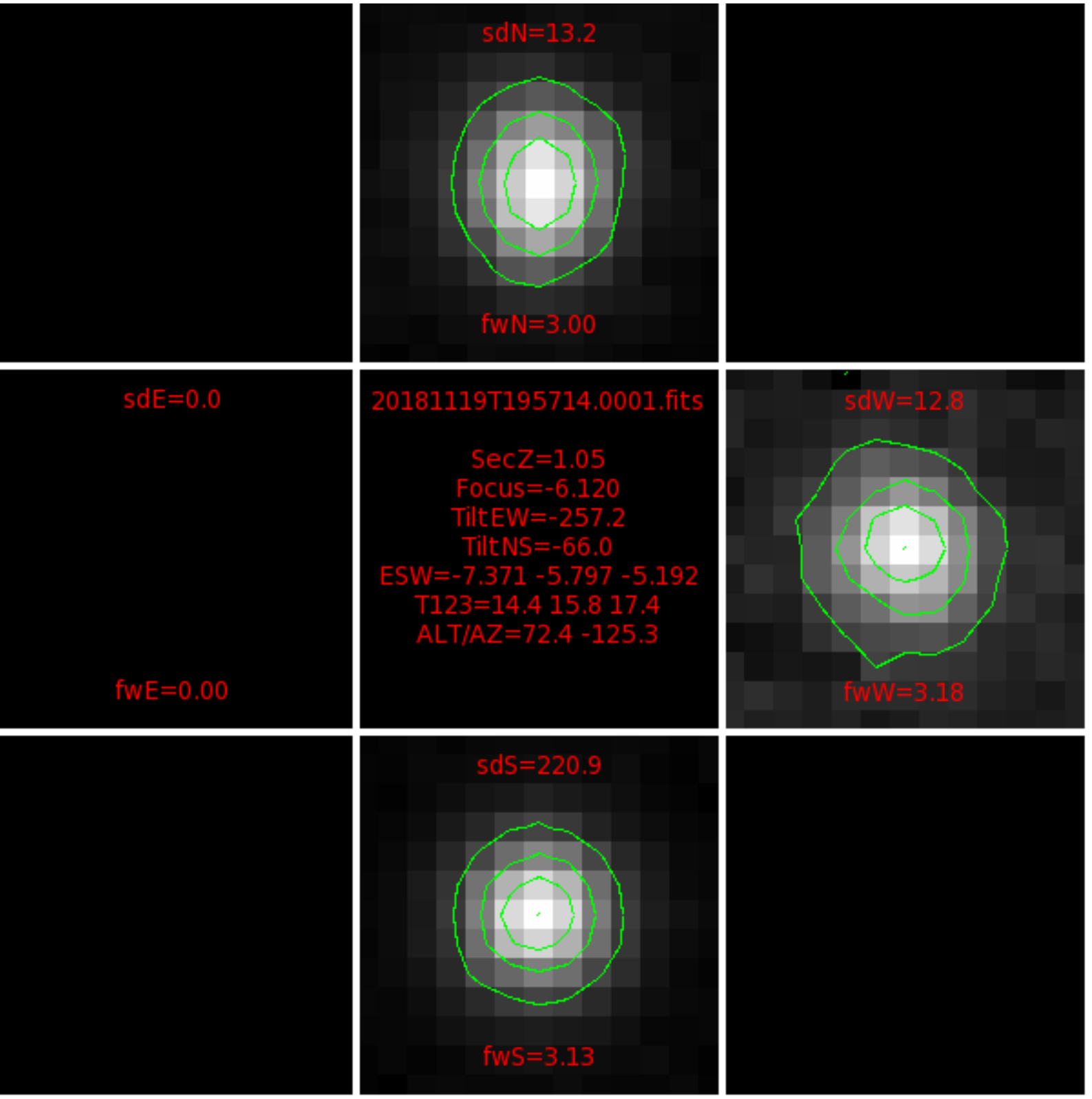
sdN=13.2
fwN=3.00
sdE=0.0
fwE=0.00
20181119T195714.0001.fits
SecZ=1.05
Focus=-6.120
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.371 -5.797 -5.192
T123=14.4 15.8 17.4
ALT/AZ=72.4 -125.3
sdW=12.8
fwW=3.18
sdS=220.9
fwS=3.13
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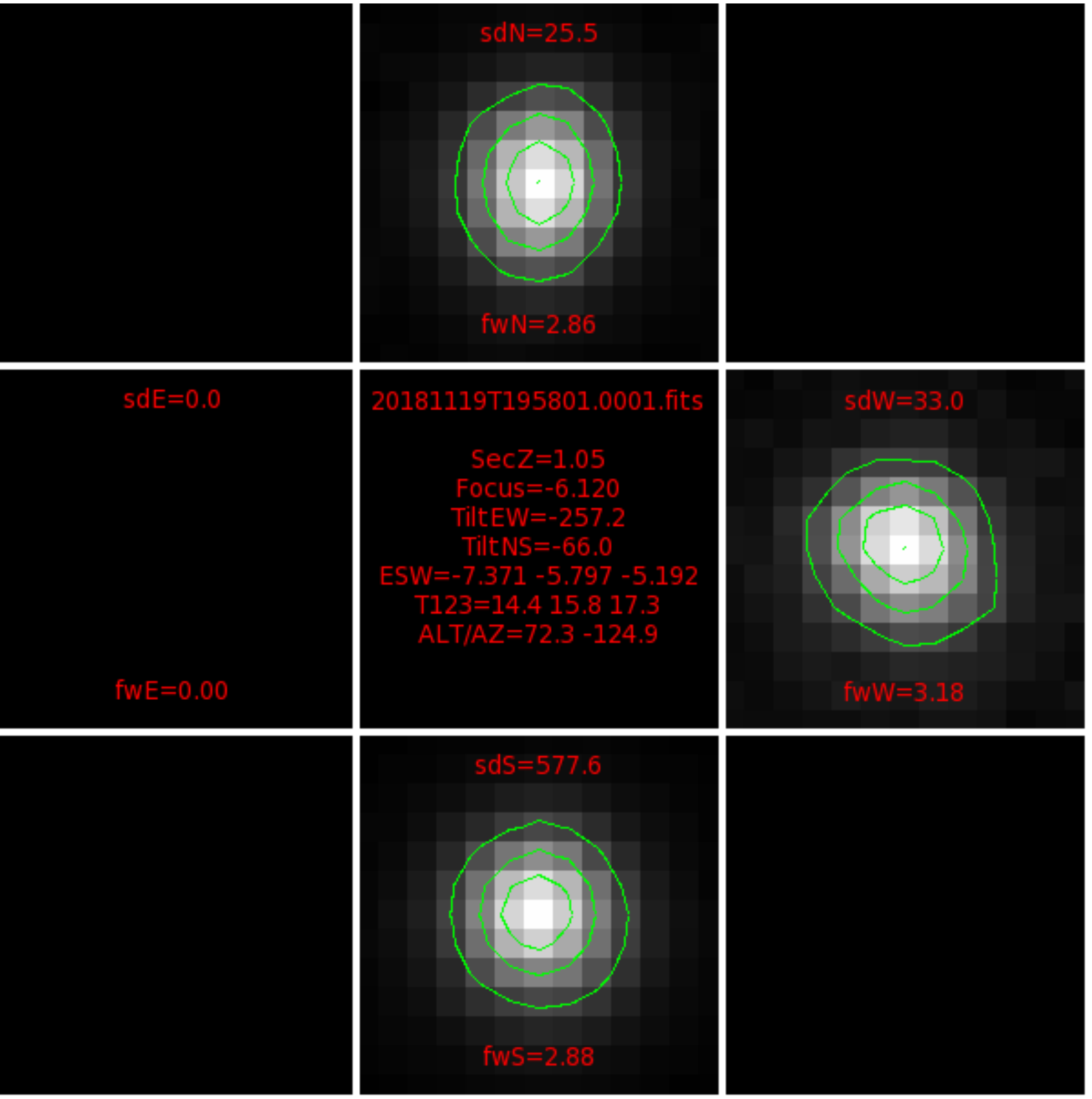
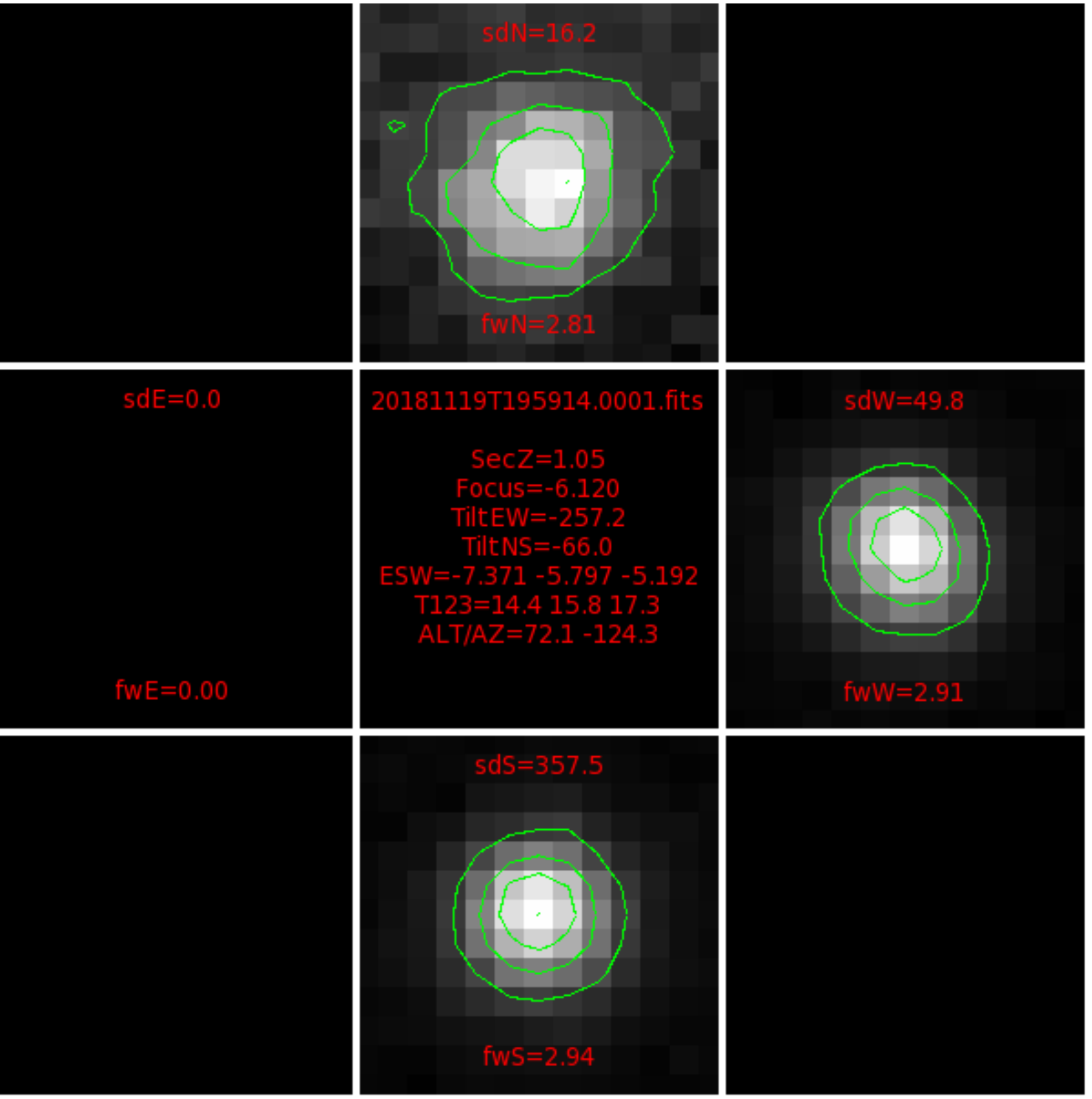

sdN=25.5
fwN=2.86
sdE=0.0
fwE=0.00
20181119T195801.0001.fits
SecZ=1.05
Focus=-6.120
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.371 -5.797 -5.192
T123=14.4 15.8 17.3
ALT/AZ=72.3 -124.9
sdW=33.0
fwW=3.18
sdS=577.6
fwS=2.88
0 0 0 0 0 0 0 0 0


sdN=16.2
fwN=2.81
sdE=0.0
fwE=0.00
20181119T195914.0001.fits
SecZ=1.05
Focus=-6.120
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.371 -5.797 -5.192
T123=14.4 15.8 17.3
ALT/AZ=72.1 -124.3
sdW=49.8
fwW=2.91
sdS=357.5
fwS=2.94
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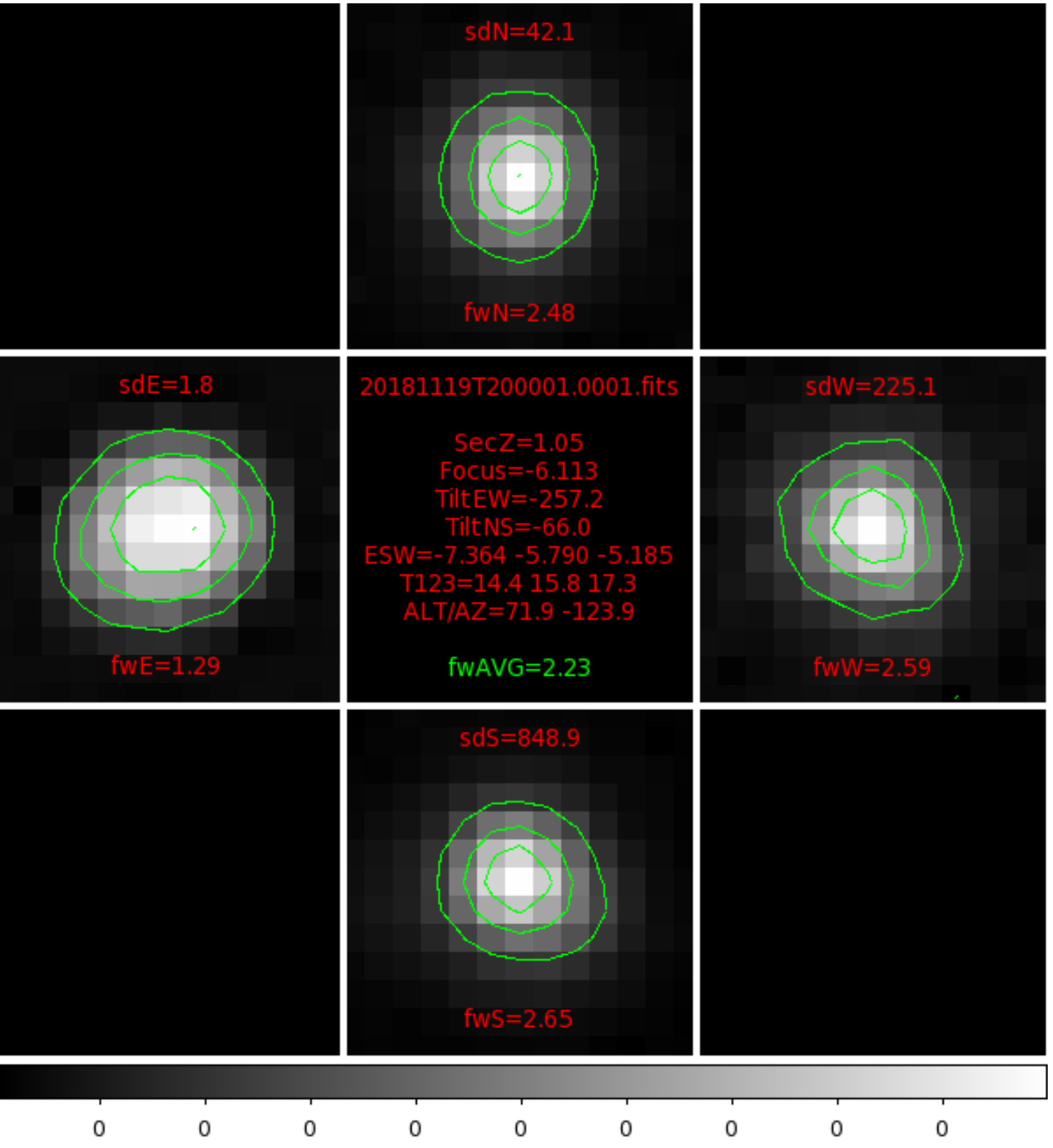
sdN=42.1
fwN=2.48
sdE=1.8
fwE=1.29
20181119T200001.0001.fits
SecZ=1.05
Focus=-6.113
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.364 -5.790 -5.185
T123=14.4 15.8 17.3
ALT/AZ=71.9 -123.9
fwAVG=2.23
sdW=225.1
fwW=2.59
sdS=848.9
fwS=2.65
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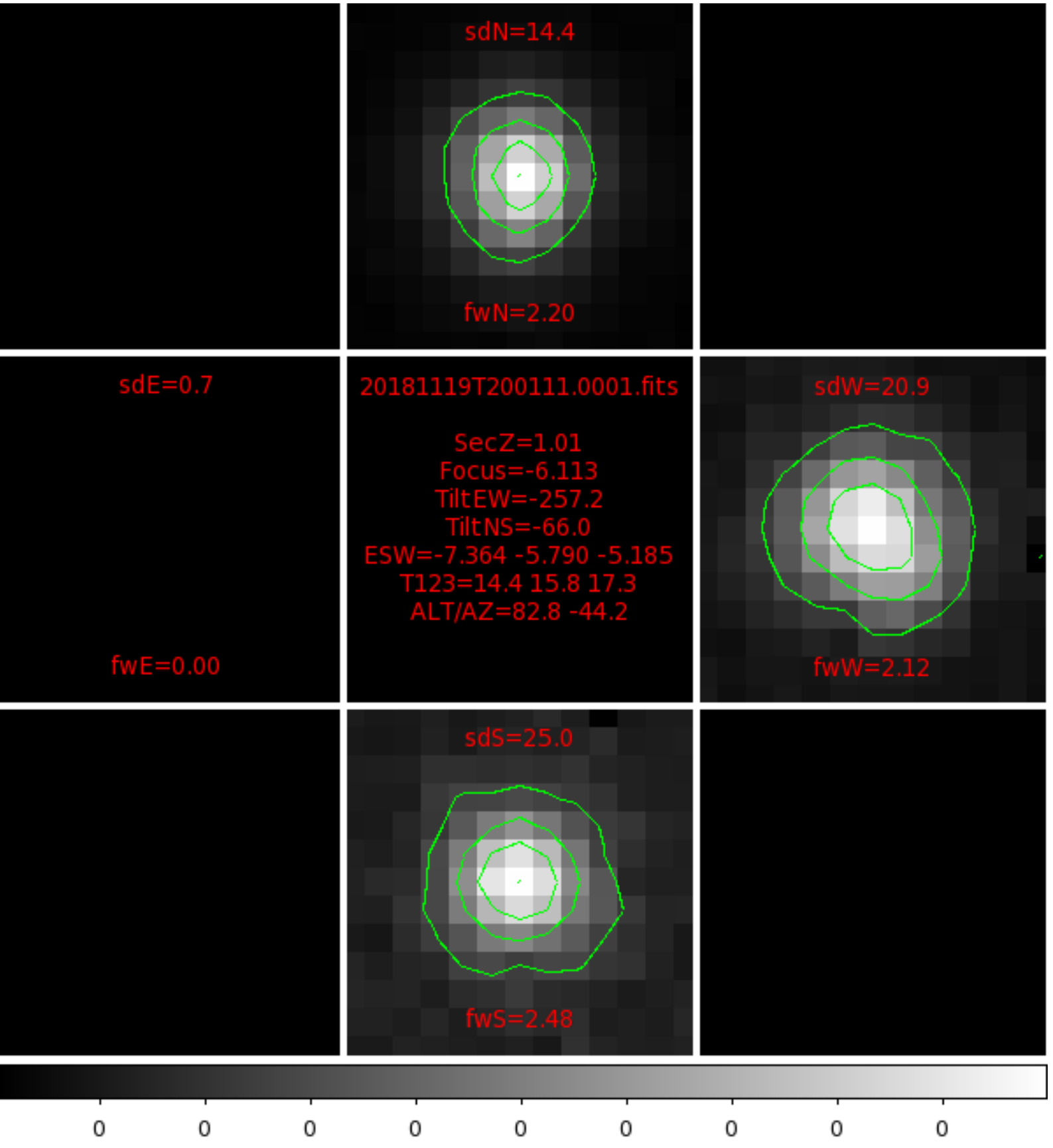
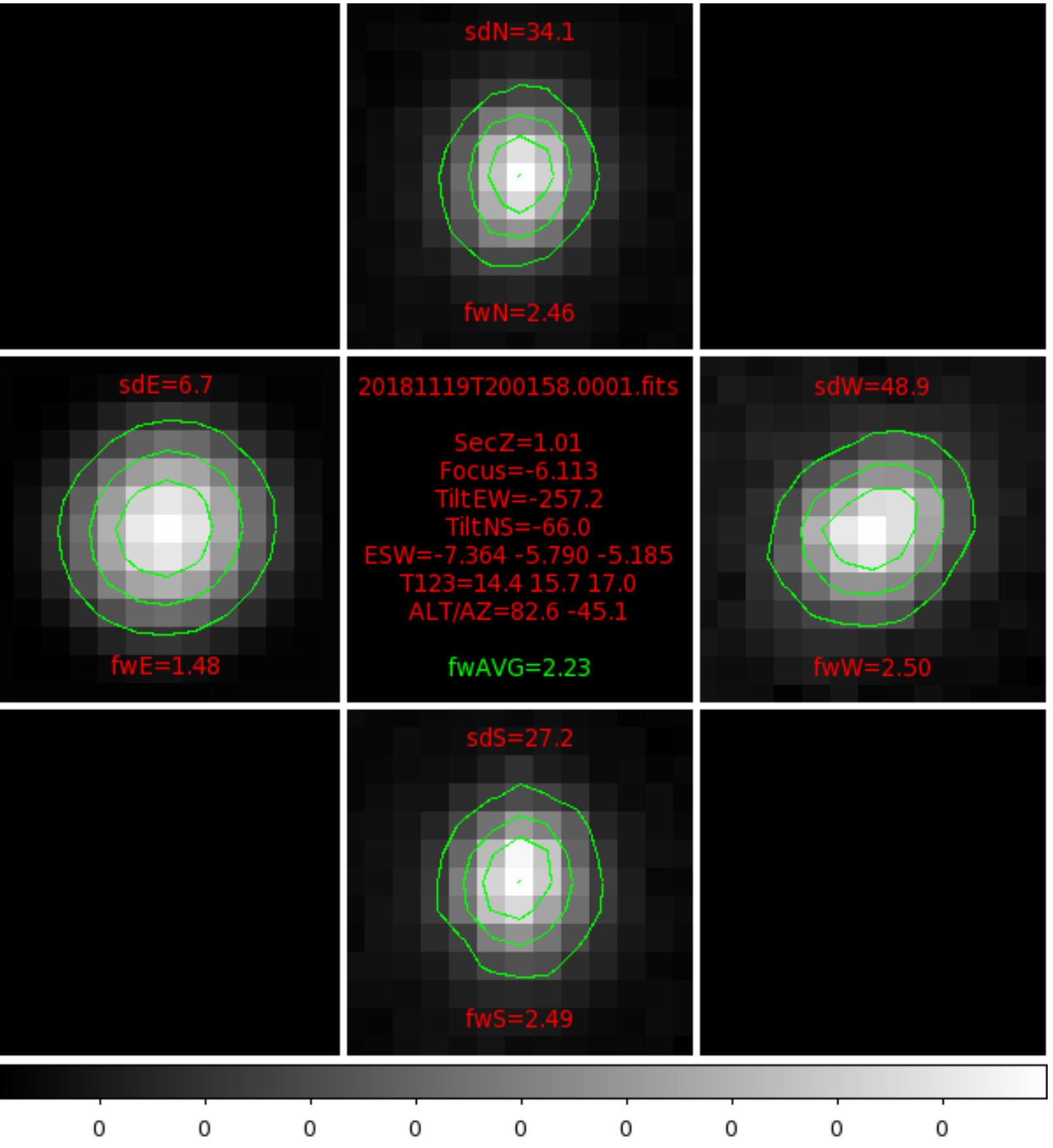

sdN=14.4
fwN=2.20
sdE=0.7
fwE=0.00
20181119T200111.0001.fits
SecZ=1.01
Focus=-6.113
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.364 -5.790 -5.185
T123=14.4 15.8 17.3
ALT/AZ=82.8 -44.2
sdW=20.9
fwW=2.12
sdS=25.0
fwS=2.48
0 0 0 0 0 0 0 0 0


sdN=34.1
fwN=2.46
sdE=6.7
fwE=1.48
20181119T200158.0001.fits
SecZ=1.01
Focus=-6.113
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.364 -5.790 -5.185
T123=14.4 15.7 17.0
ALT/AZ=82.6 -45.1
fwAVG=2.23
sdW=48.9
fwW=2.50
sdS=27.2
fwS=2.49
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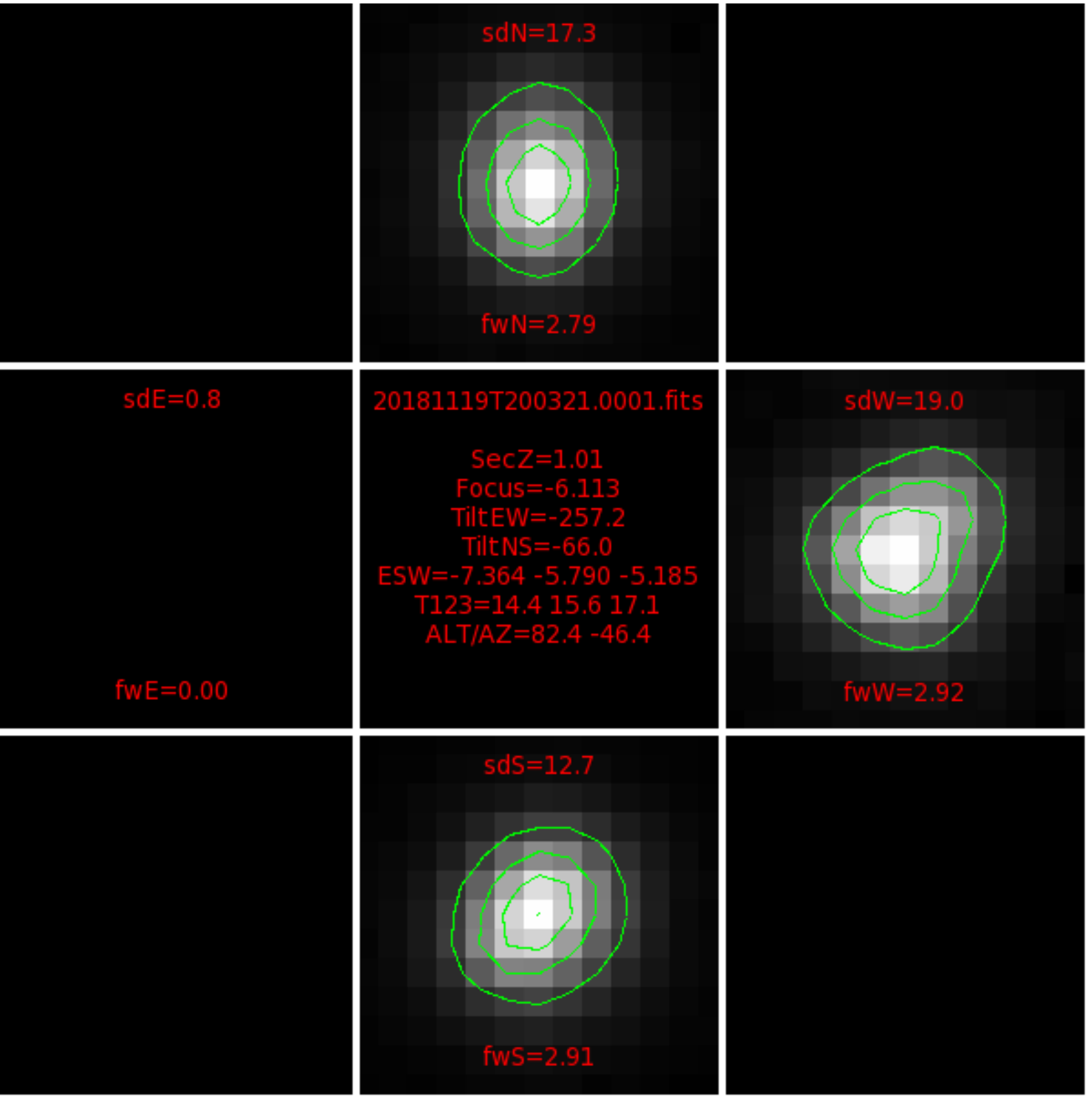
sdN=17.3
fwN=2.79
sdE=0.8
fwE=0.00
20181119T200321.0001.fits
SecZ=1.01
Focus=-6.113
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.364 -5.790 -5.185
T123=14.4 15.6 17.1
ALT/AZ=82.4 -46.4
sdW=19.0
fwW=2.92
sdS=12.7
fwS=2.91
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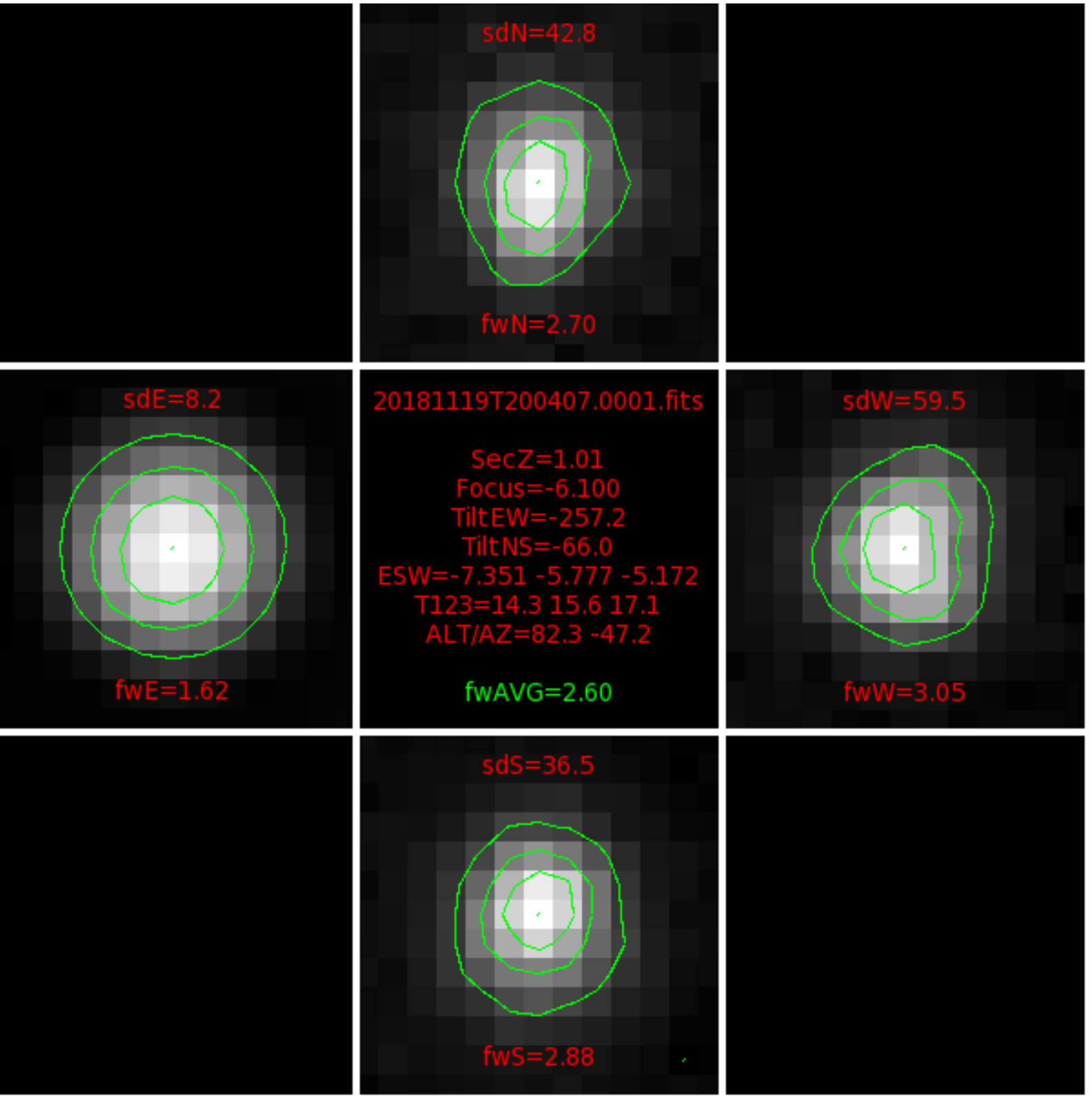
sdN=42.8
fwN=2.70
sdE=8.2
fwE=1.62
20181119T200407.0001.fits
SecZ=1.01
Focus=-6.100
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.351 -5.777 -5.172
T123=14.3 15.6 17.1
ALT/AZ=82.3 -47.2
fwAVG=2.60
sdW=59.5
fwW=3.05
sdS=36.5
fwS=2.88
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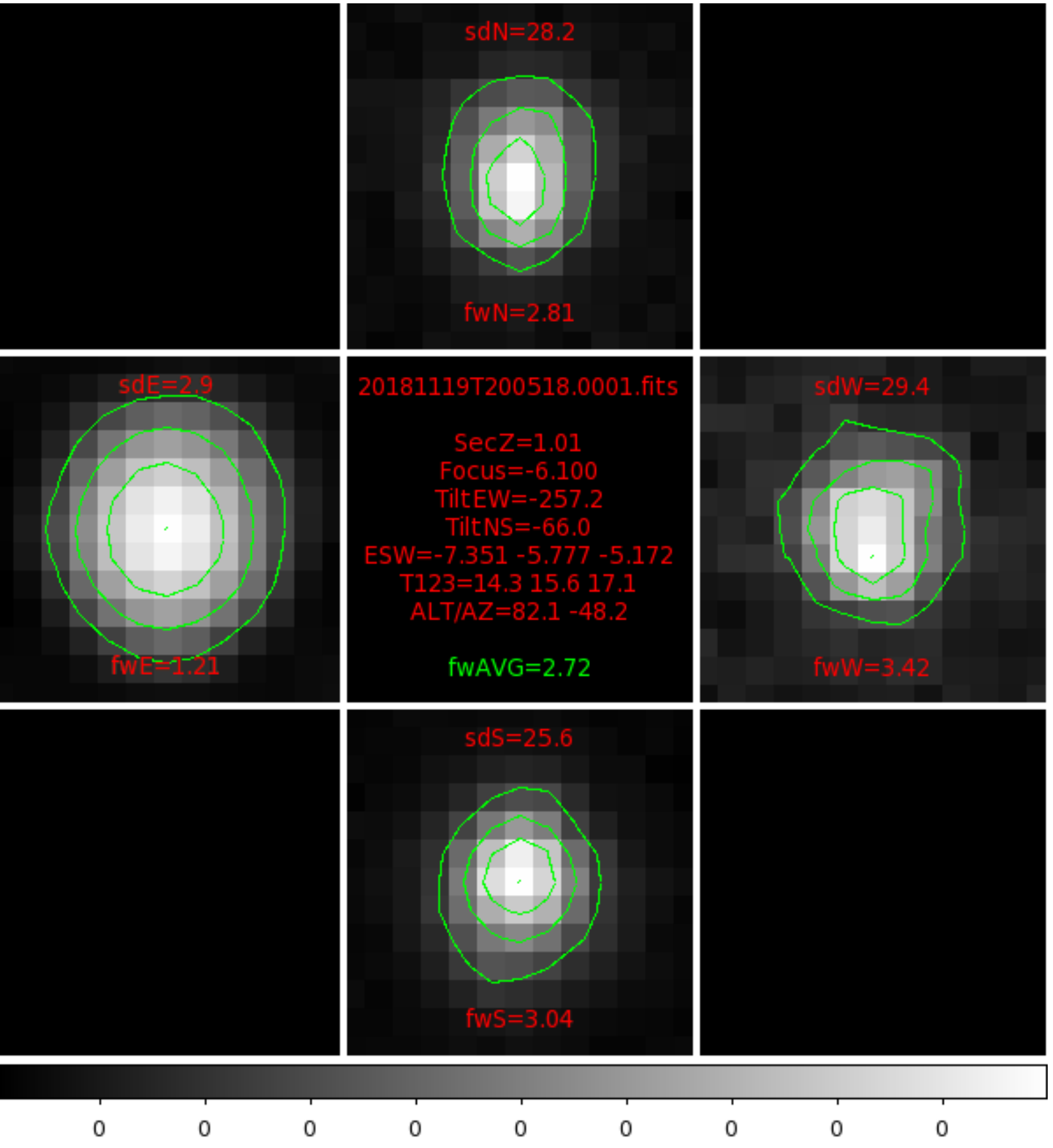
sdN=28.2
fwN=2.81
sdE=2.9
fwE=1.21
20181119T200518.0001.fits
SecZ=1.01
Focus=-6.100
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.351 -5.777 -5.172
T123=14.3 15.6 17.1
ALT/AZ=82.1 -48.2
fwAVG=2.72
sdW=29.4
fwW=3.42
sdS=25.6
fwS=3.04
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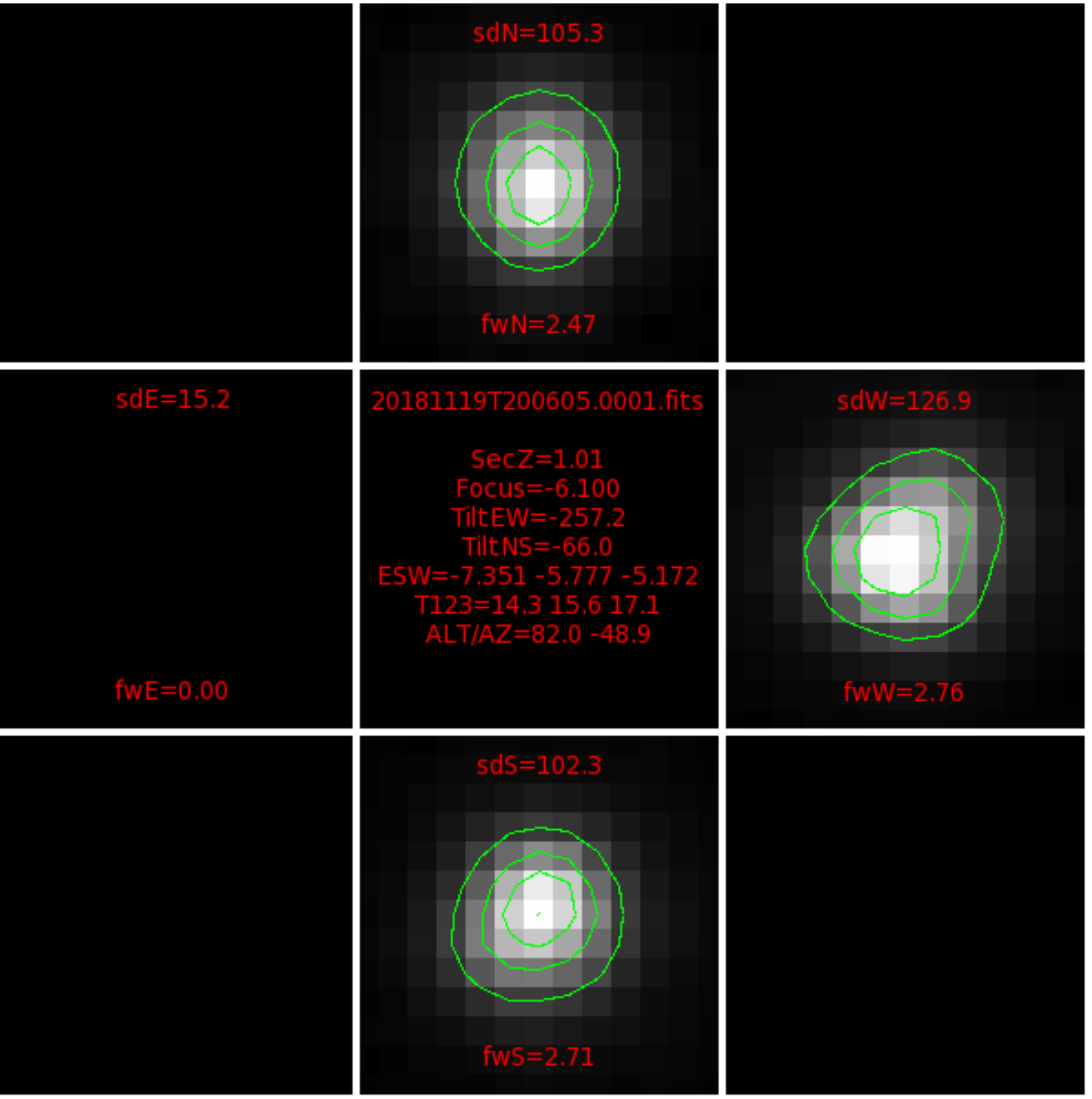
sdN=105.3
fwN=2.47
sdE=15.2
fwE=0.00
20181119T200605.0001.fits
SecZ=1.01
Focus=-6.100
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.351 -5.777 -5.172
T123=14.3 15.6 17.1
ALT/AZ=82.0 -48.9
sdW=126.9
fwW=2.76
sdS=102.3
fwS=2.71
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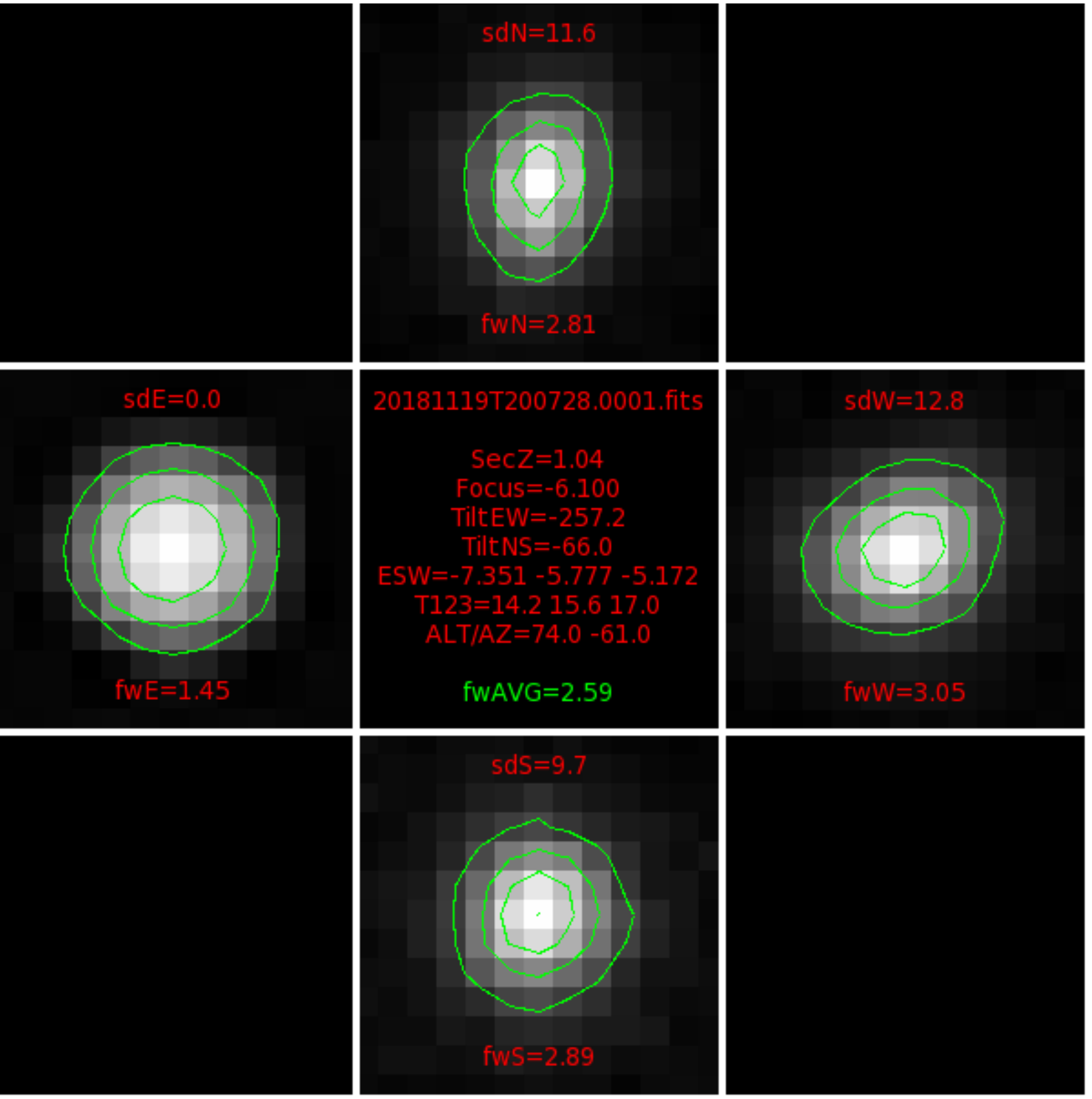
sdN=11.6
fwN=2.81
sdE=0.0
fwE=1.45
20181119T200728.0001.fits
SecZ=1.04
Focus=-6.100
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.351 -5.777 -5.172
T123=14.2 15.6 17.0
ALT/AZ=74.0 -61.0
fwAVG=2.59
sdW=12.8
fwW=3.05
sdS=9.7
fwS=2.89
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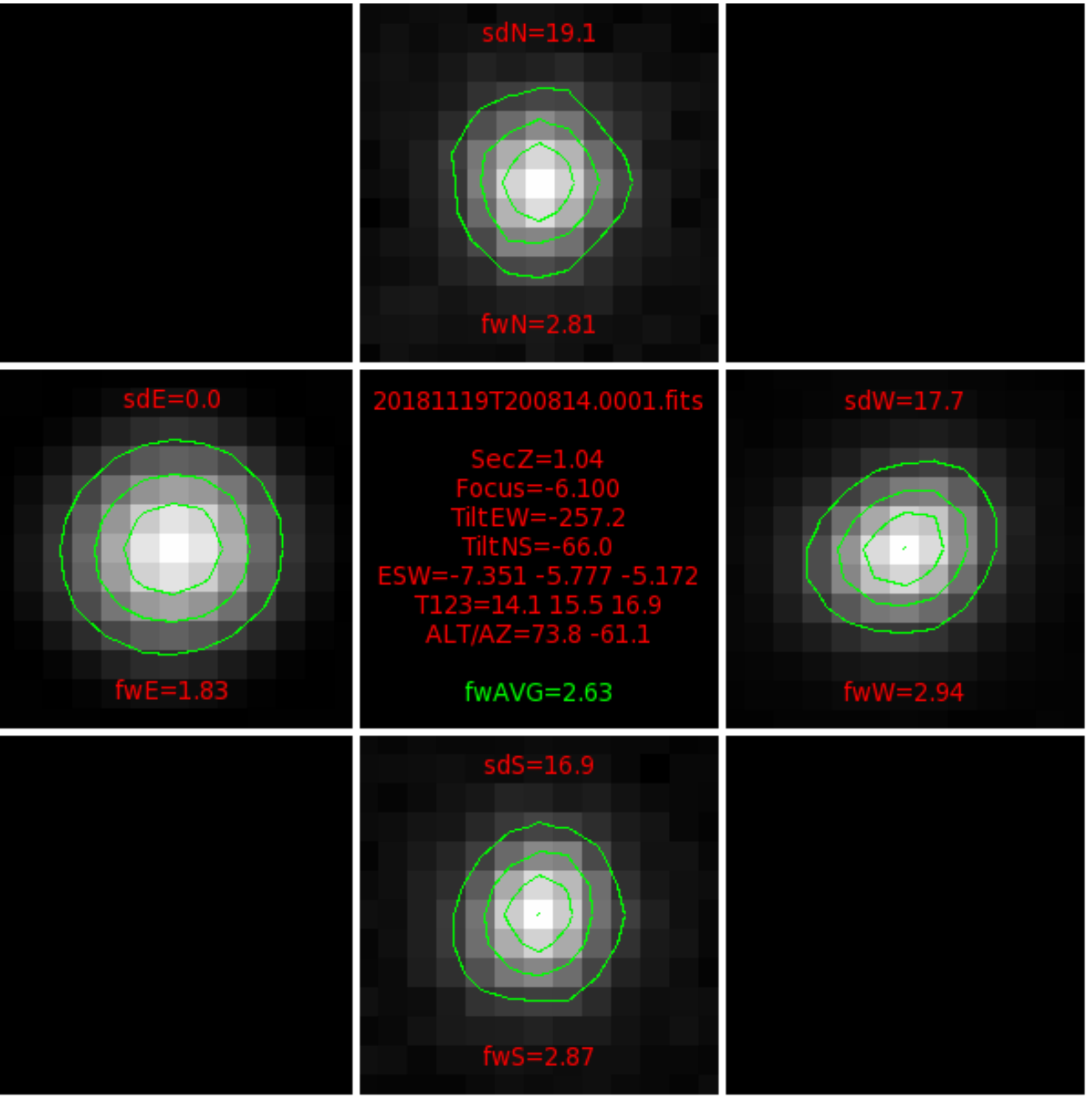
sdN=19.1
fwN=2.81
sdE=0.0
fwE=1.83
20181119T200814.0001.fits
SecZ=1.04
Focus=-6.100
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.351 -5.777 -5.172
T123=14.1 15.5 16.9
ALT/AZ=73.8 -61.1
fwAVG=2.63
sdW=17.7
fwW=2.94
sdS=16.9
fwS=2.87
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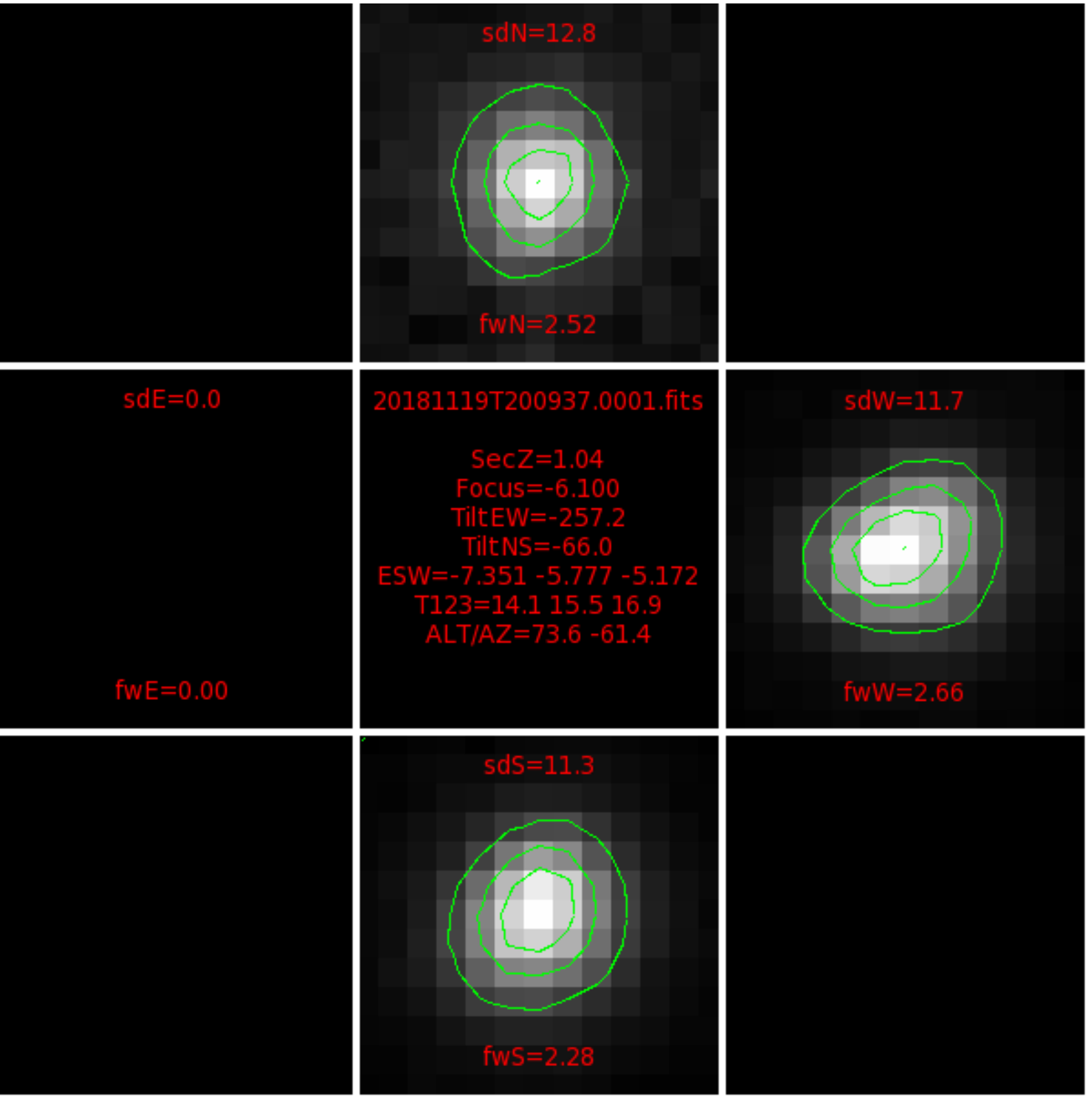
sdN=12.8
fwN=2.52
sdE=0.0
fwE=0.00
20181119T200937.0001.fits
SecZ=1.04
Focus=-6.100
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.351 -5.777 -5.172
T123=14.1 15.5 16.9
ALT/AZ=73.6 -61.4
sdW=11.7
fwW=2.66
sdS=11.3
fwS=2.28
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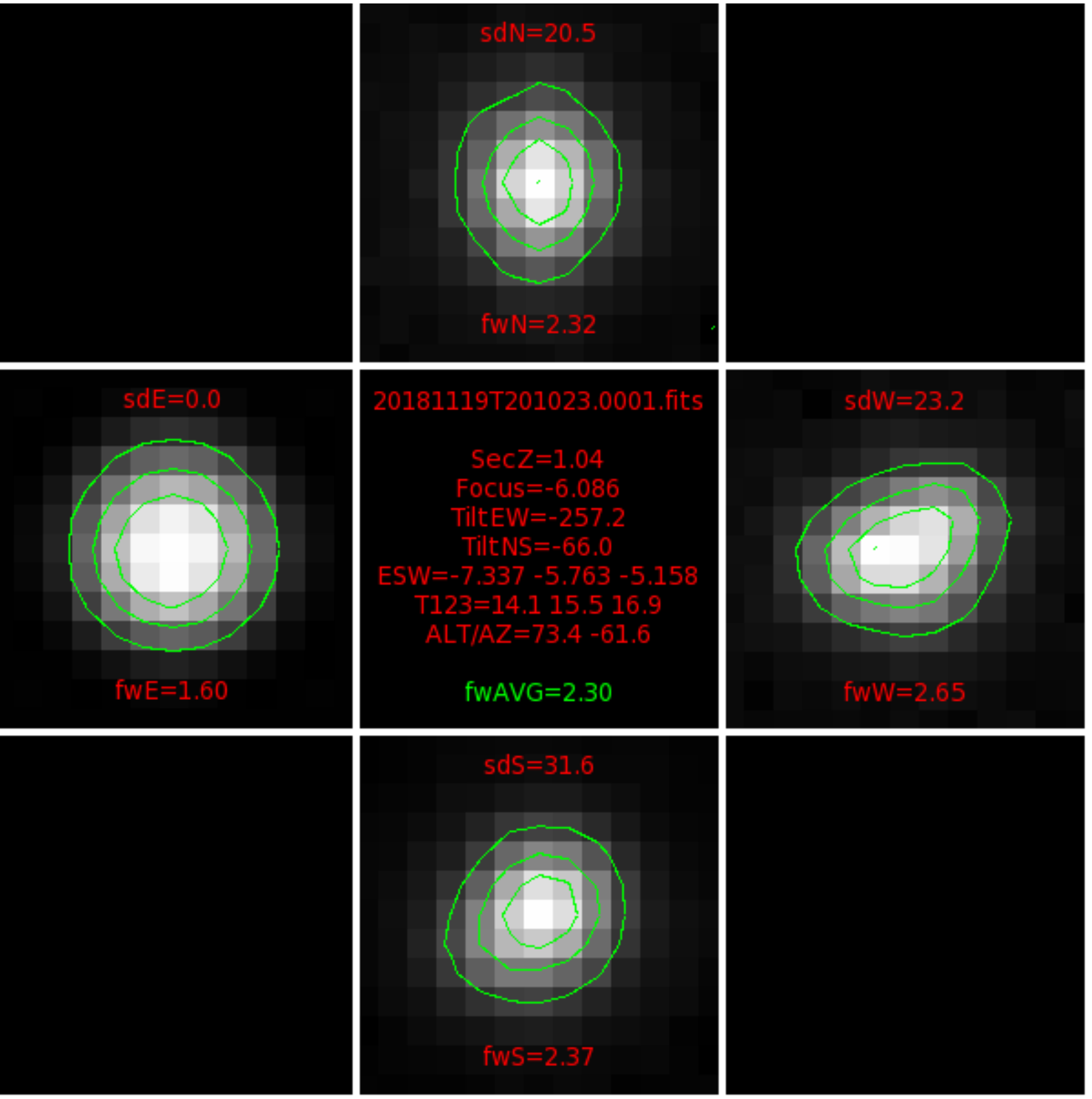
sdN=20.5
fwN=2.32
sdE=0.0
fwE=1.60
20181119T201023.0001.fits
SecZ=1.04
Focus=-6.086
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.337 -5.763 -5.158
T123=14.1 15.5 16.9
ALT/AZ=73.4 -61.6
fwAVG=2.30
sdW=23.2
fwW=2.65
sdS=31.6
fwS=2.37
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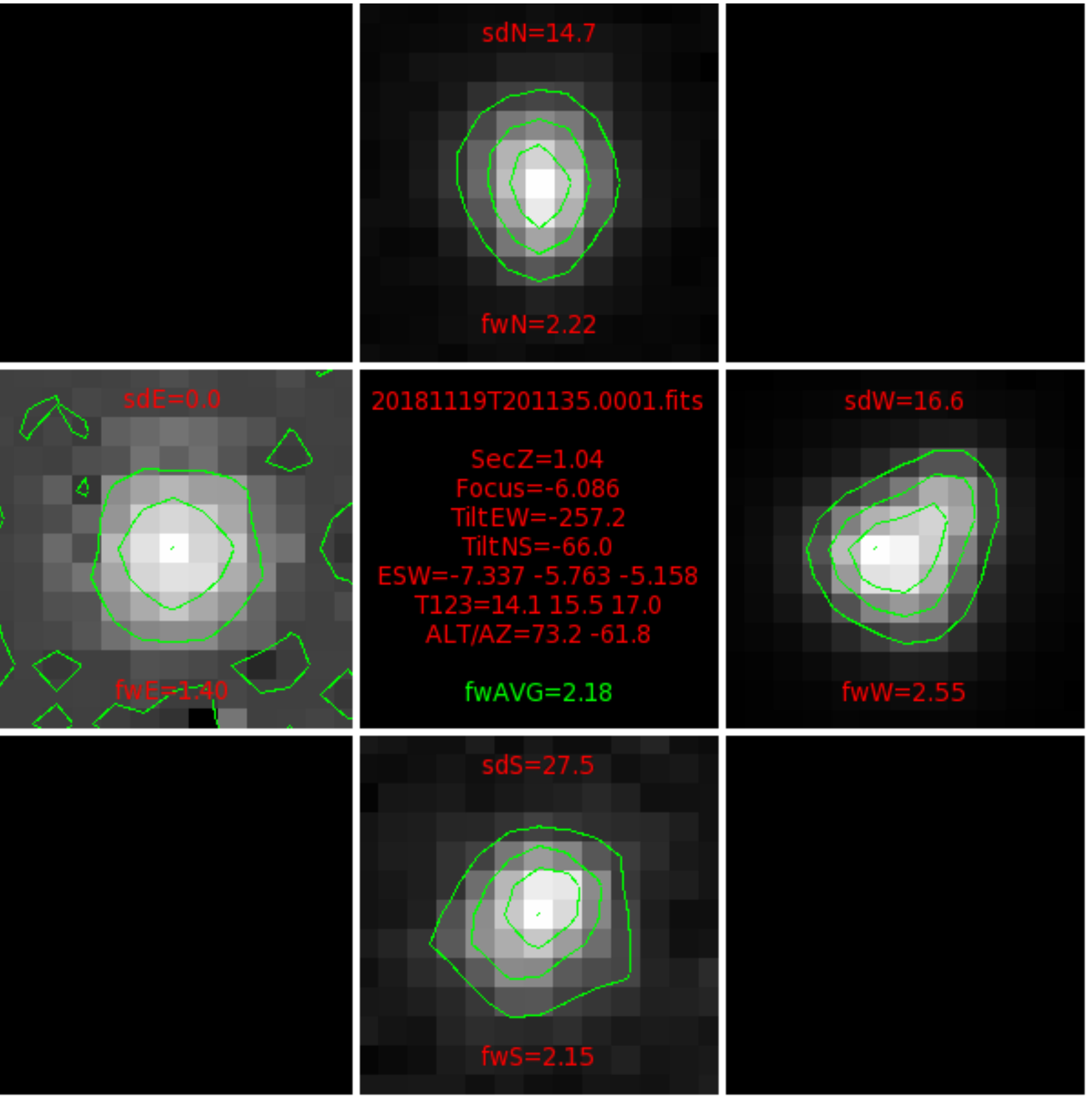
sdN=14.7
fwN=2.22
sdE=0.0
fwE=1.40
20181119T201135.0001.fits
SecZ=1.04
Focus=-6.086
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.337 -5.763 -5.158
T123=14.1 15.5 17.0
ALT/AZ=73.2 -61.8
fwAVG=2.18
sdW=16.6
fwW=2.55
sdS=27.5
fwS=2.15
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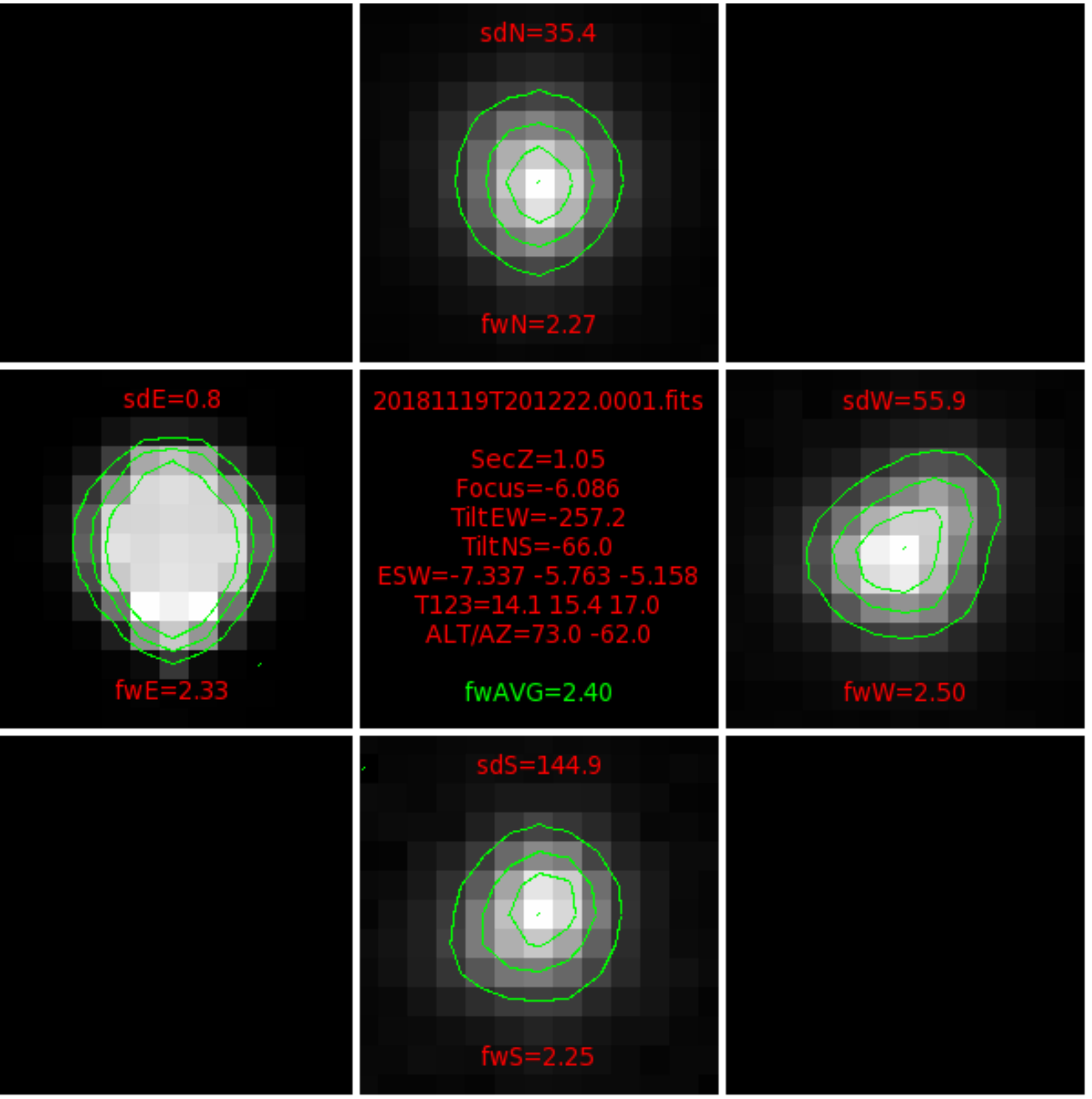
sdN=35.4
fwN=2.27
sdE=0.8
fwE=2.33
20181119T201222.0001.fits
SecZ=1.05
Focus=-6.086
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.337 -5.763 -5.158
T123=14.1 15.4 17.0
ALT/AZ=73.0 -62.0
fwAVG=2.40
sdW=55.9
fwW=2.50
sdS=144.9
fwS=2.25
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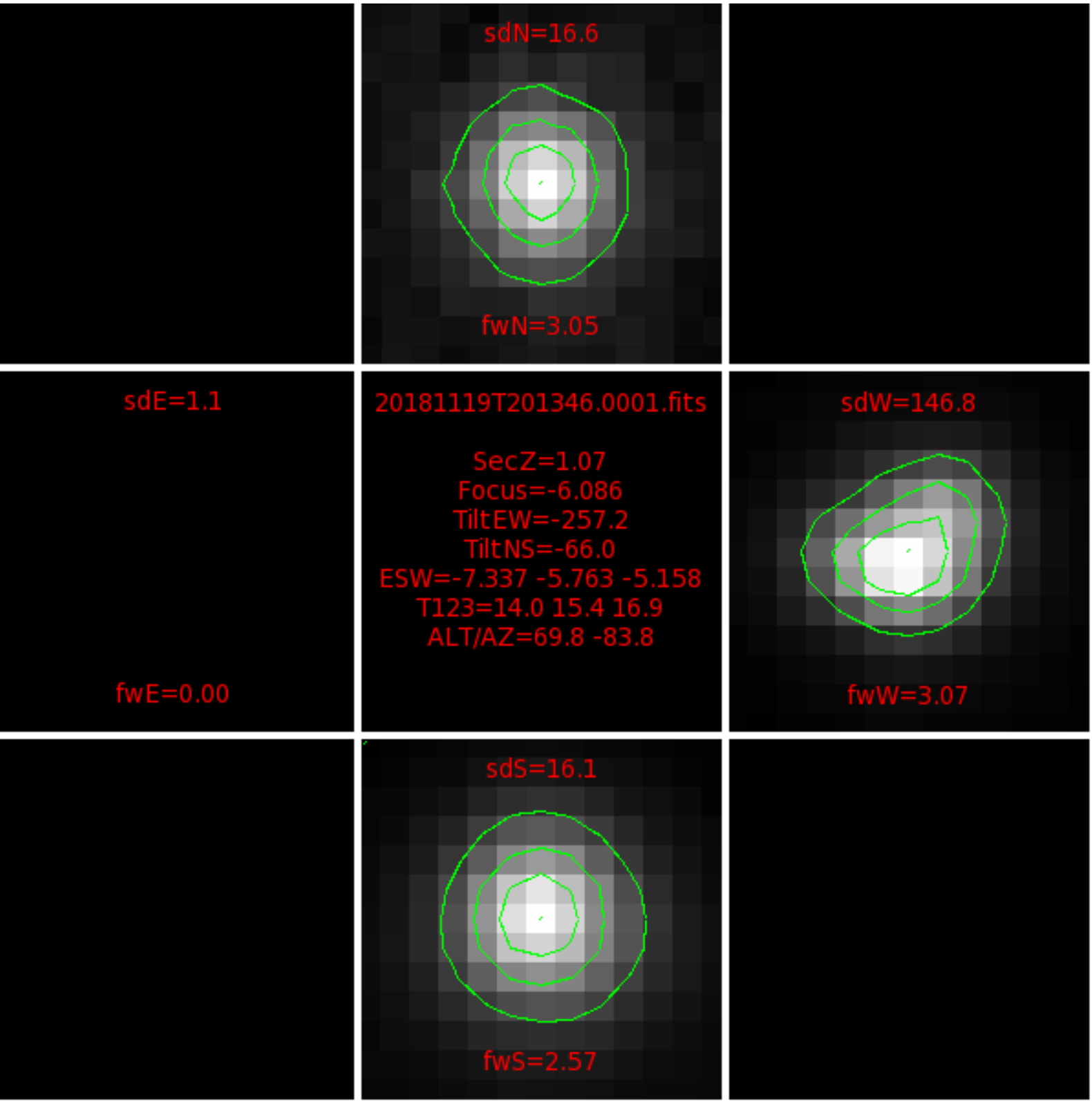
sdN=16.6
fwN=3.05
sdE=1.1
fwE=0.00
20181119T201346.0001.fits
SecZ=1.07
Focus=-6.086
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.337 -5.763 -5.158
T123=14.0 15.4 16.9
ALT/AZ=69.8 -83.8
sdW=146.8
fwW=3.07
sdS=16.1
fwS=2.57
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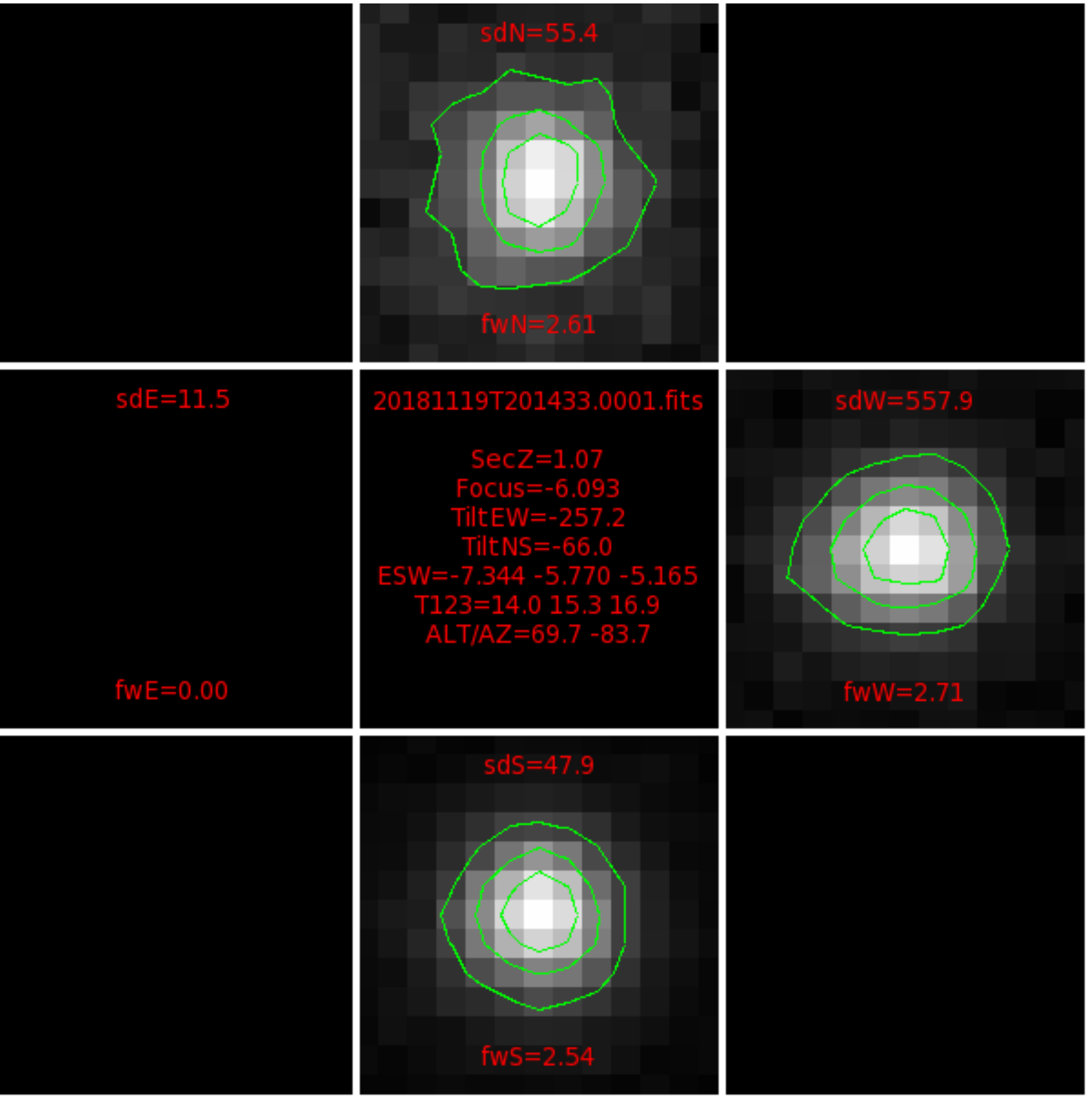
sdN=55.4
fwN=2.61
sdE=11.5
fwE=0.00
20181119T201433.0001.fits
SecZ=1.07
Focus=-6.093
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.344 -5.770 -5.165
T123=14.0 15.3 16.9
ALT/AZ=69.7 -83.7
sdW=557.9
fwW=2.71
sdS=47.9
fwS=2.54
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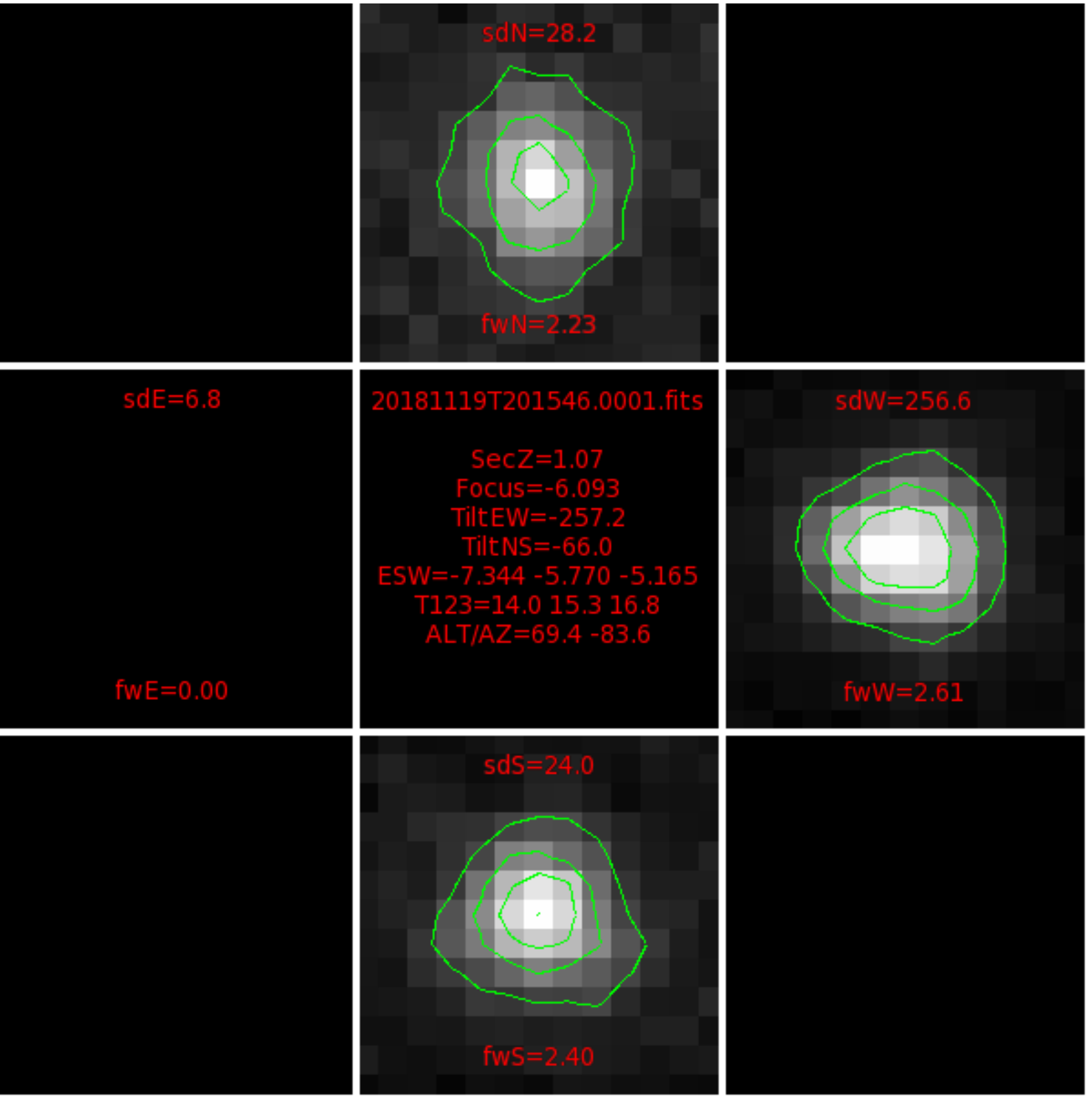
sdN=28.2
fwN=2.23
sdE=6.8
fwE=0.00
20181119T201546.0001.fits
SecZ=1.07
Focus=-6.093
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.344 -5.770 -5.165
T123=14.0 15.3 16.8
ALT/AZ=69.4 -83.6
sdW=256.6
fwW=2.61
sdS=24.0
fwS=2.40
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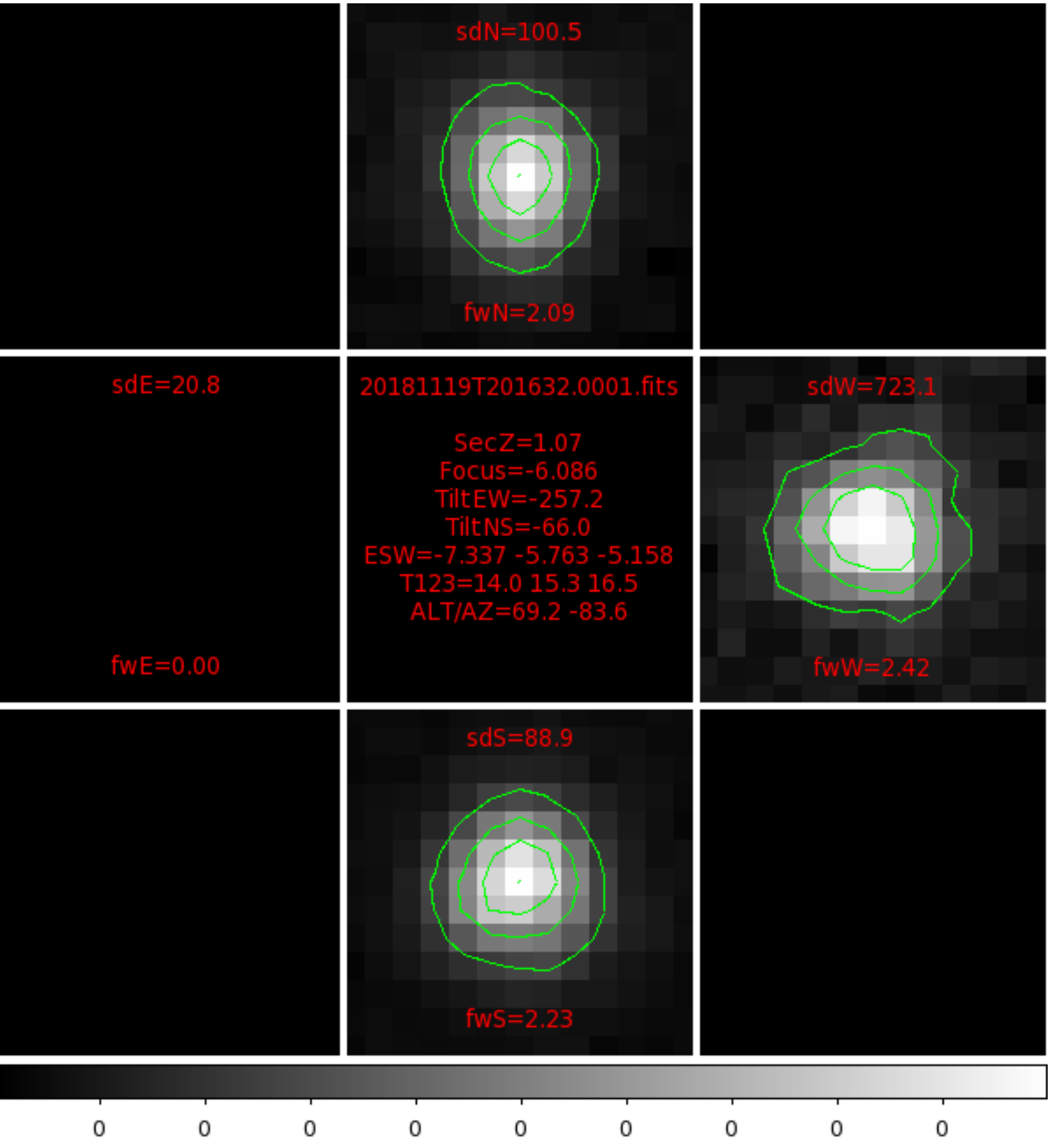
sdN=100.5
fwN=2.09
sdE=20.8
fwE=0.00
20181119T201632.0001.fits
SecZ=1.07
Focus=-6.086
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.337 -5.763 -5.158
T123=14.0 15.3 16.5
ALT/AZ=69.2 -83.6
sdW=723.1
fwW=2.42
sdS=88.9
fwS=2.23
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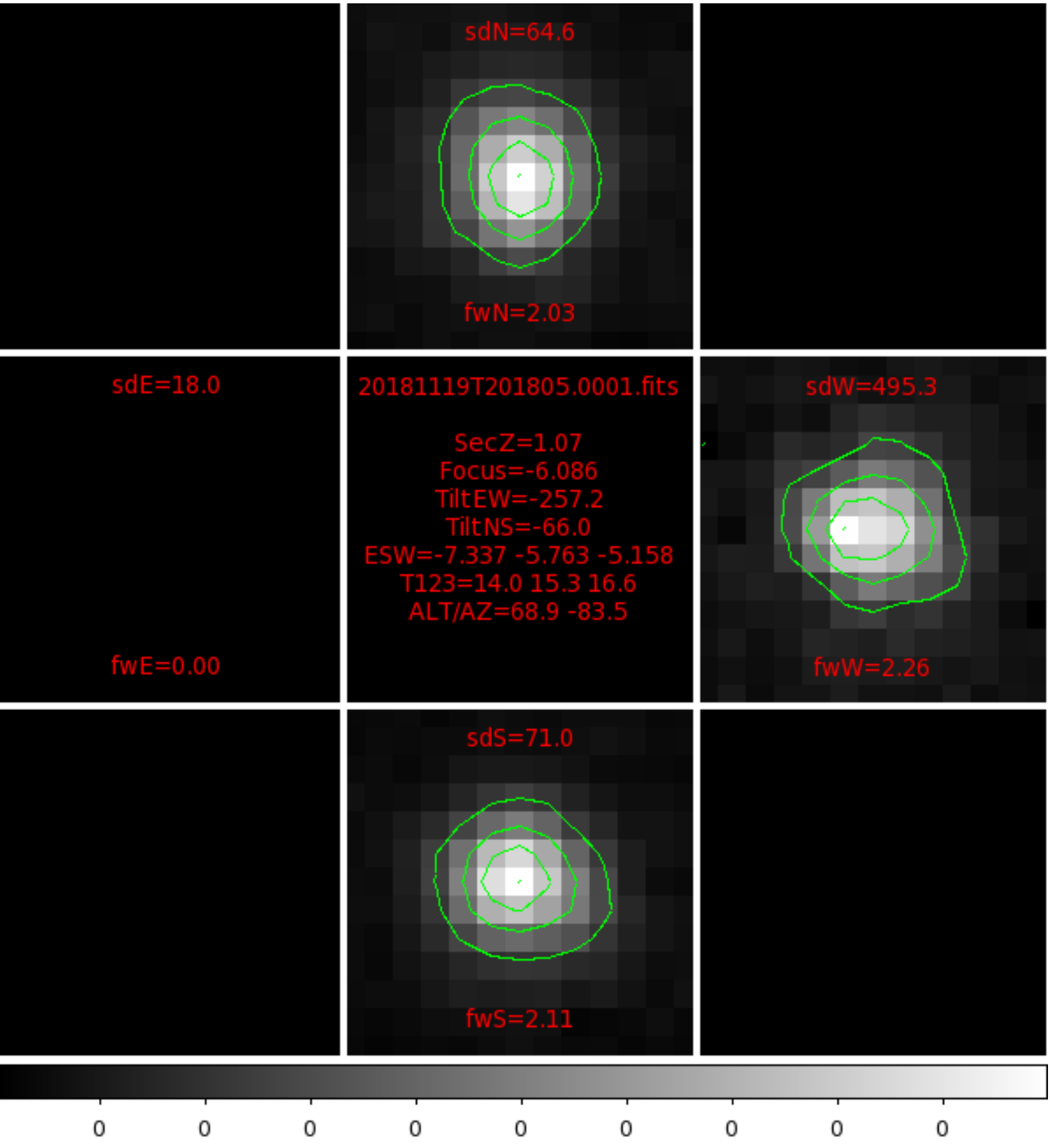
sdN=64.6
fwN=2.03
sdE=18.0
fwE=0.00
20181119T201805.0001.fits
SecZ=1.07
Focus=-6.086
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.337 -5.763 -5.158
T123=14.0 15.3 16.6
ALT/AZ=68.9 -83.5
sdW=495.3
fwW=2.26
sdS=71.0
fwS=2.11
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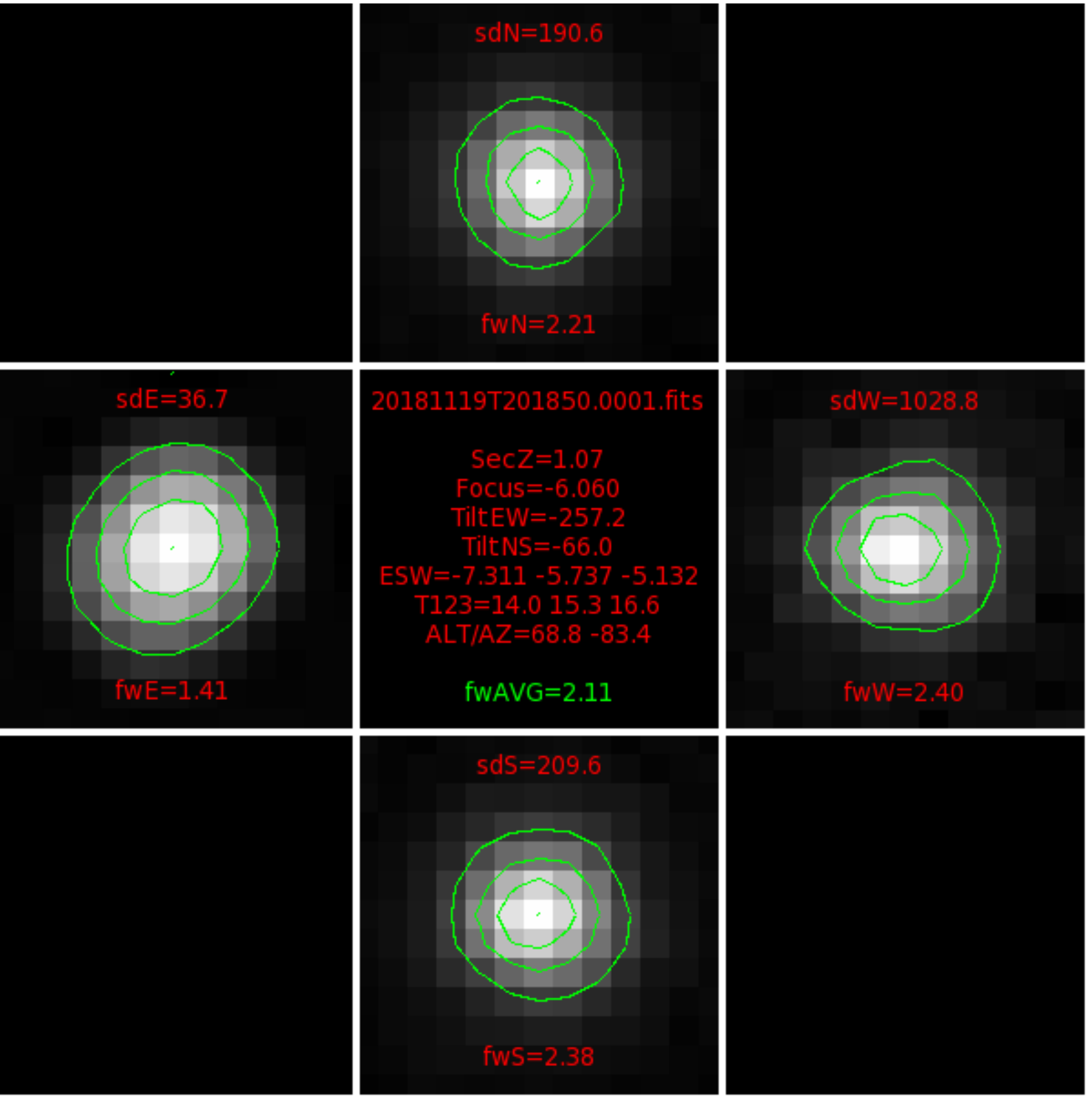
sdN=190.6
fwN=2.21
sdE=36.7
fwE=1.41
20181119T201850.0001.fits
SecZ=1.07
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=14.0 15.3 16.6
ALT/AZ=68.8 -83.4
fwAVG=2.11
sdW=1028.8
fwW=2.40
sdS=209.6
fwS=2.38
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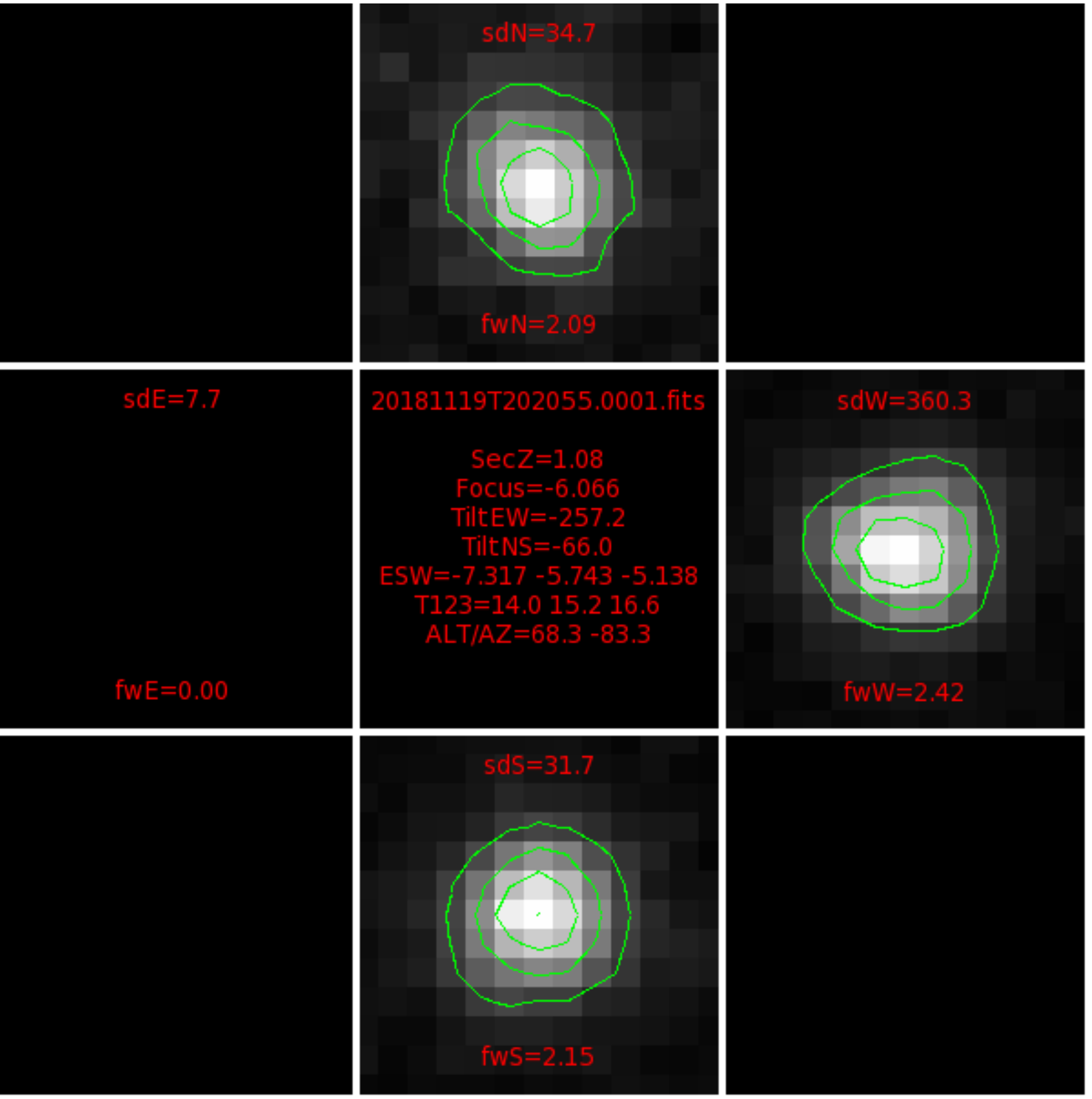
sdN=34.7
fwN=2.09
sdE=7.7
fwE=0.00
20181119T202055.0001.fits
SecZ=1.08
Focus=-6.066
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.317 -5.743 -5.138
T123=14.0 15.2 16.6
ALT/AZ=68.3 -83.3
sdW=360.3
fwW=2.42
sdS=31.7
fwS=2.15
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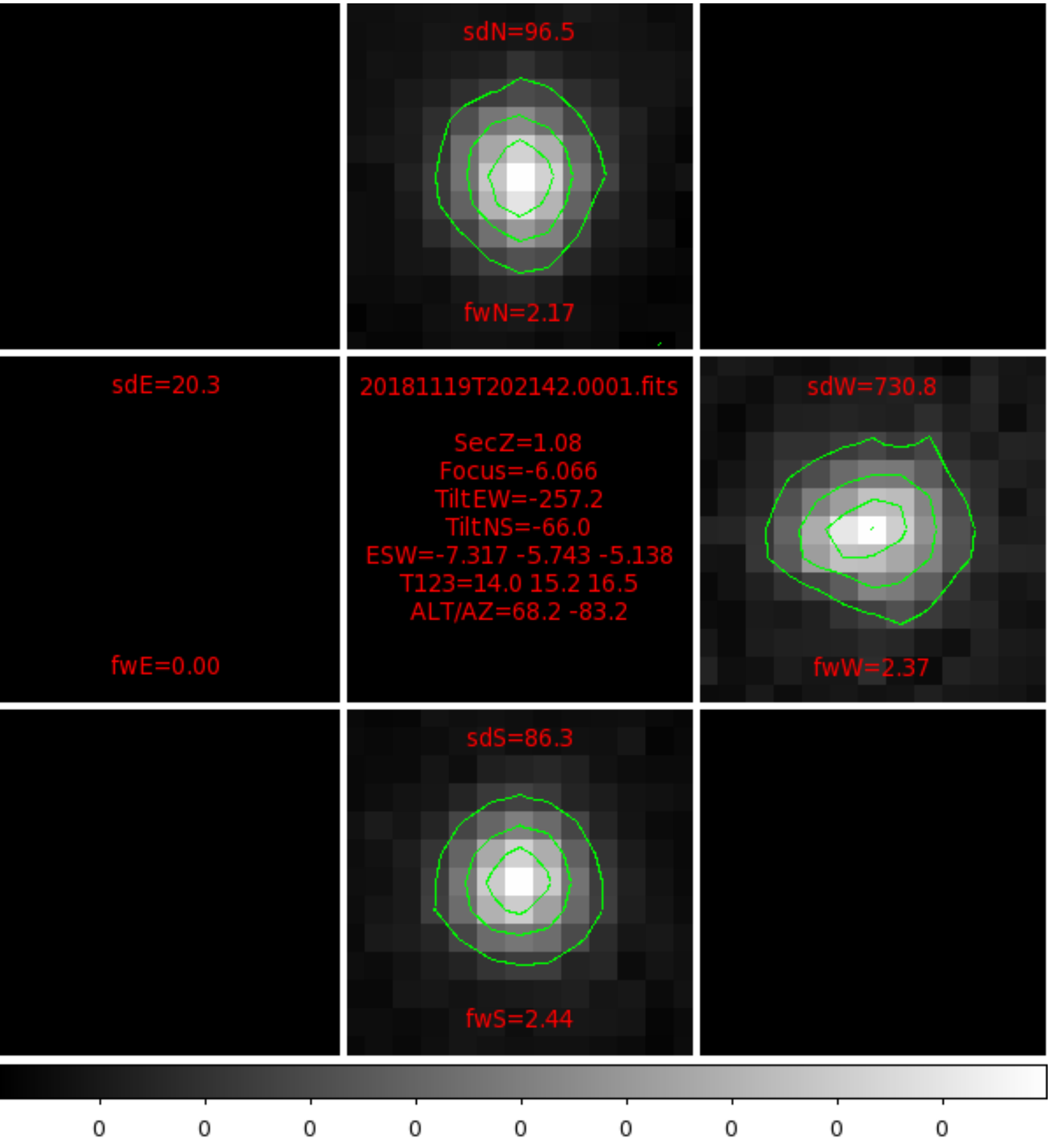
sdN=96.5
fwN=2.17
sdE=20.3
fwE=0.00
20181119T202142.0001.fits
SecZ=1.08
Focus=-6.066
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.317 -5.743 -5.138
T123=14.0 15.2 16.5
ALT/AZ=68.2 -83.2
sdW=730.8
fwW=2.37
sdS=86.3
fwS=2.44
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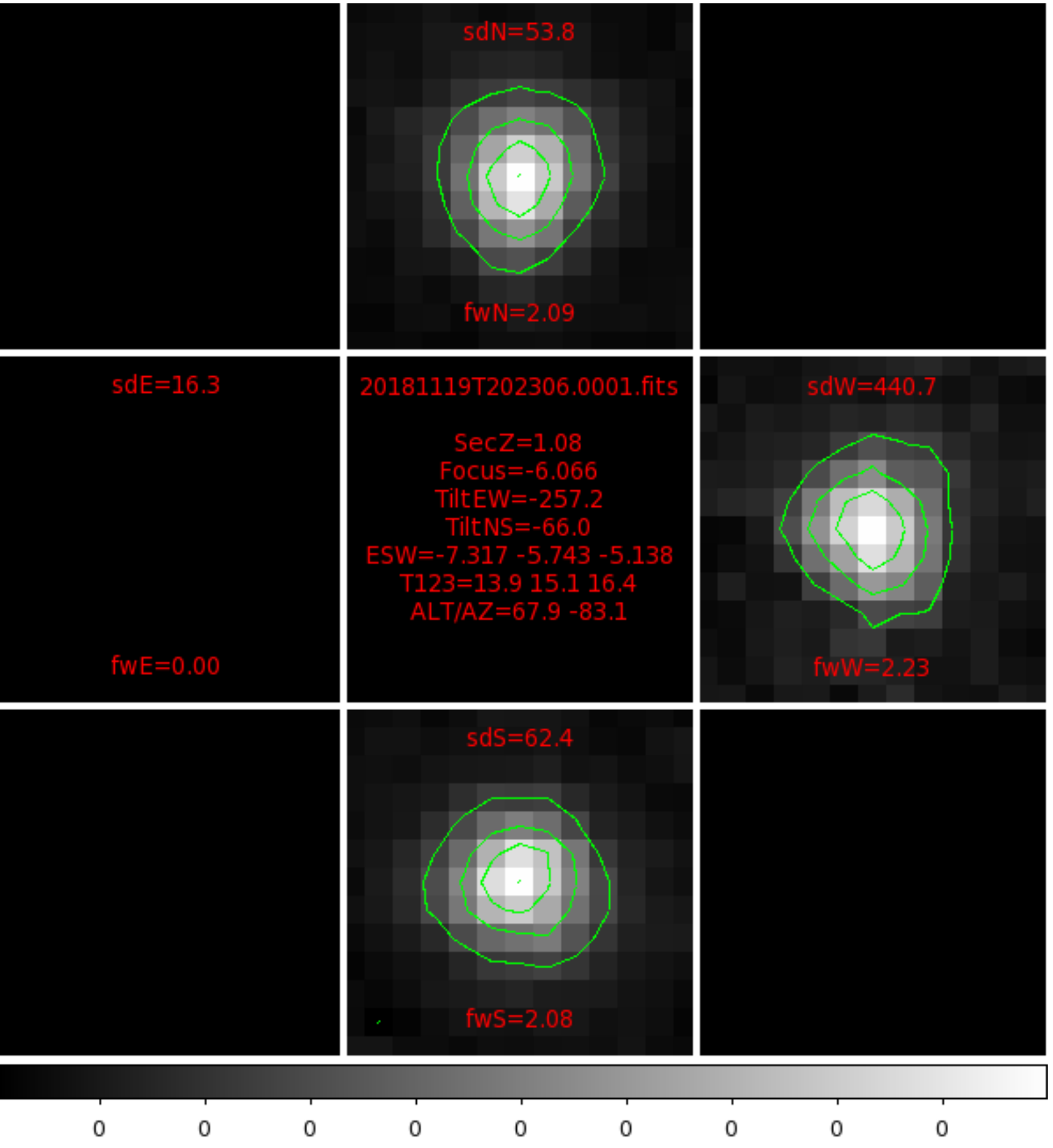
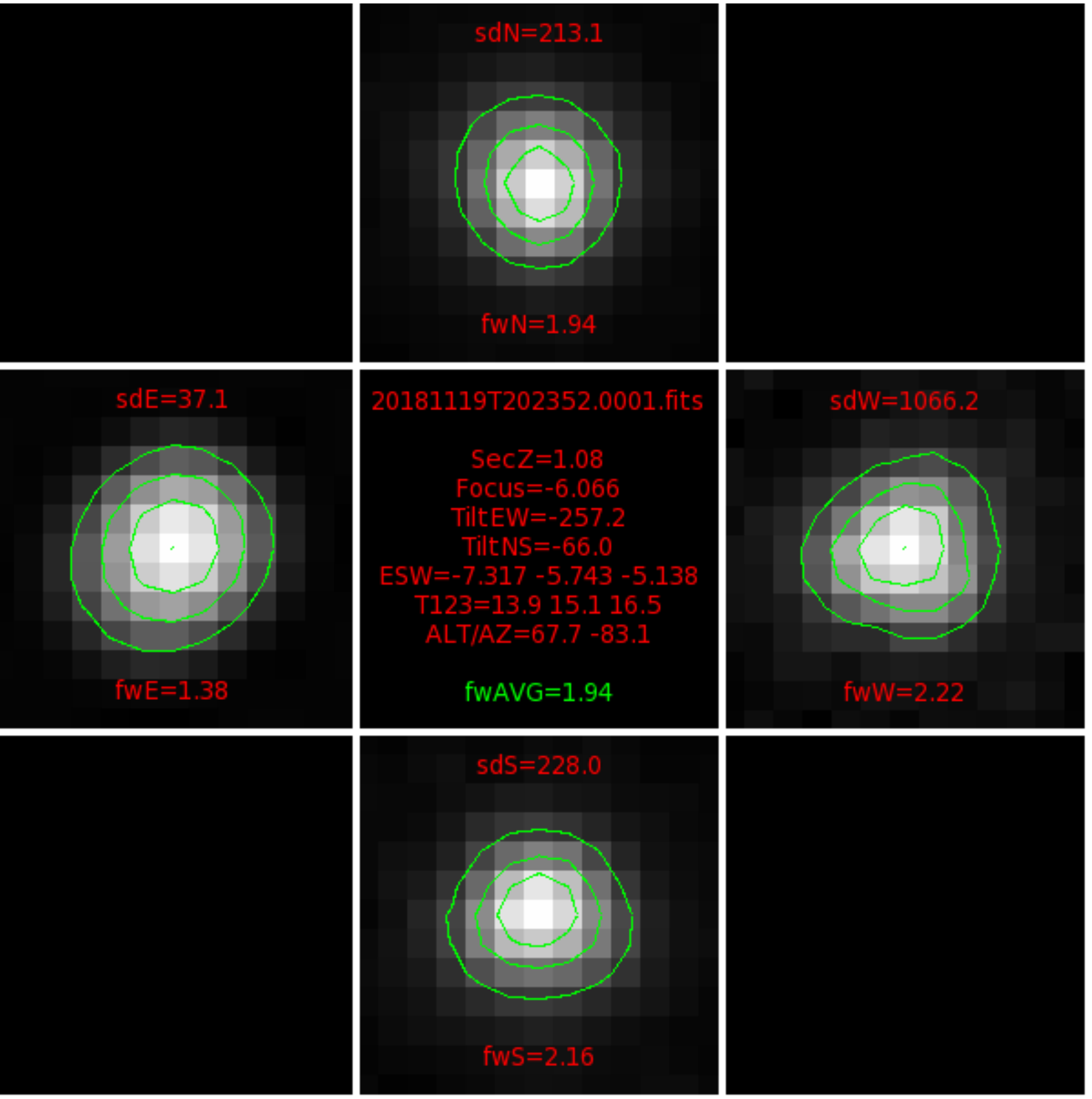
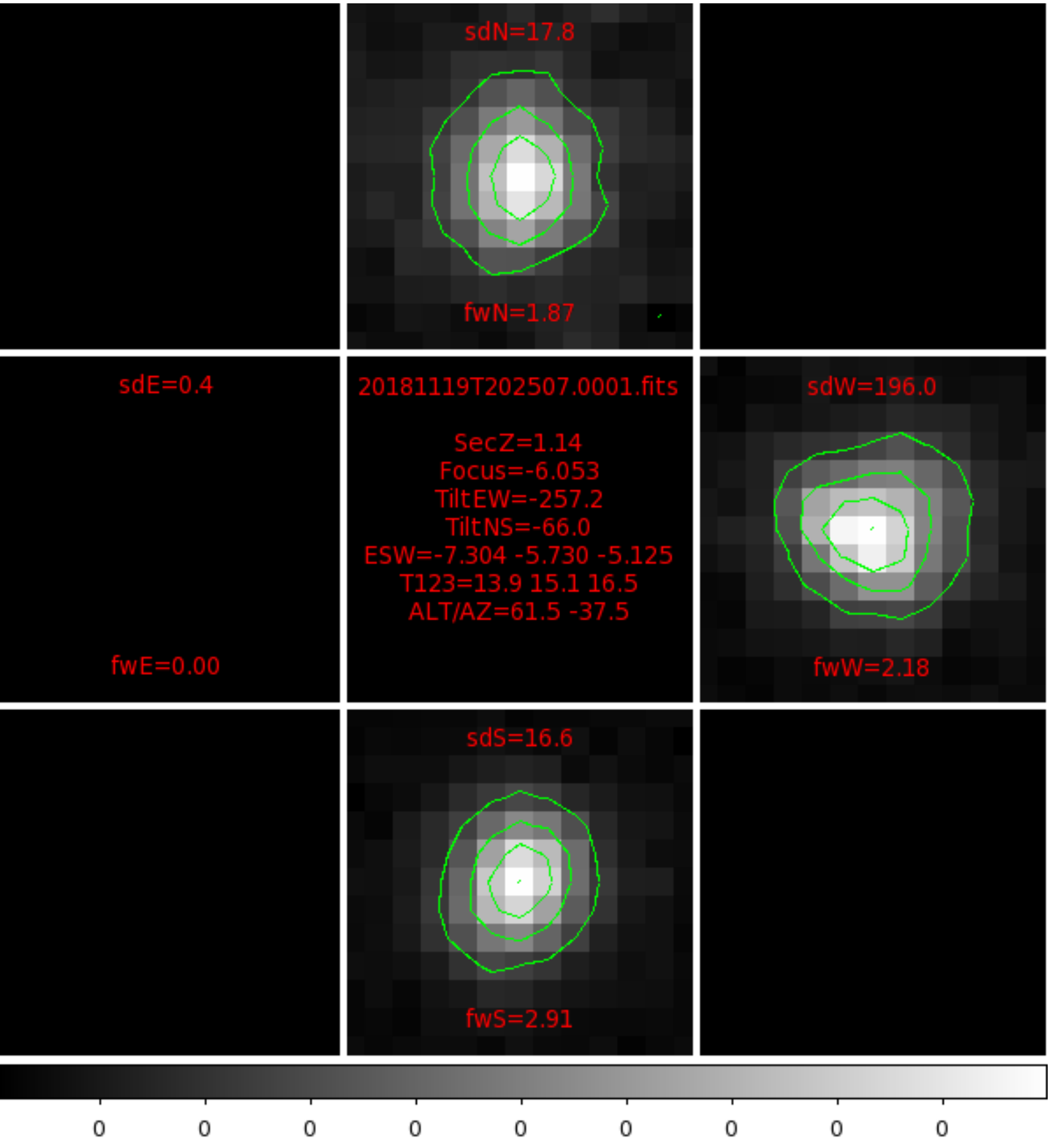

sdN=53.8
fwN=2.09
sdE=16.3
fwE=0.00
20181119T202306.0001.fits
SecZ=1.08
Focus=-6.066
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.317 -5.743 -5.138
T123=13.9 15.1 16.4
ALT/AZ=67.9 -83.1
sdW=440.7
fwW=2.23
sdS=62.4
fwS=2.08
0 0 0 0 0 0 0 0 0


sdN=213.1
fwN=1.94
sdE=37.1
fwE=1.38
20181119T202352.0001.fits
SecZ=1.08
Focus=-6.066
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.317 -5.743 -5.138
T123=13.9 15.1 16.5
ALT/AZ=67.7 -83.1
fwAVG=1.94
sdW=1066.2
fwW=2.22
sdS=228.0
fwS=2.16
0 0 0 0 0 0 0 0 0


sdN=17.8
fwN=1.87
sdE=0.4
fwE=0.00
20181119T202507.0001.fits
SecZ=1.14
Focus=-6.053
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.304 -5.730 -5.125
T123=13.9 15.1 16.5
ALT/AZ=61.5 -37.5
sdW=196.0
fwW=2.18
sdS=16.6
fwS=2.91
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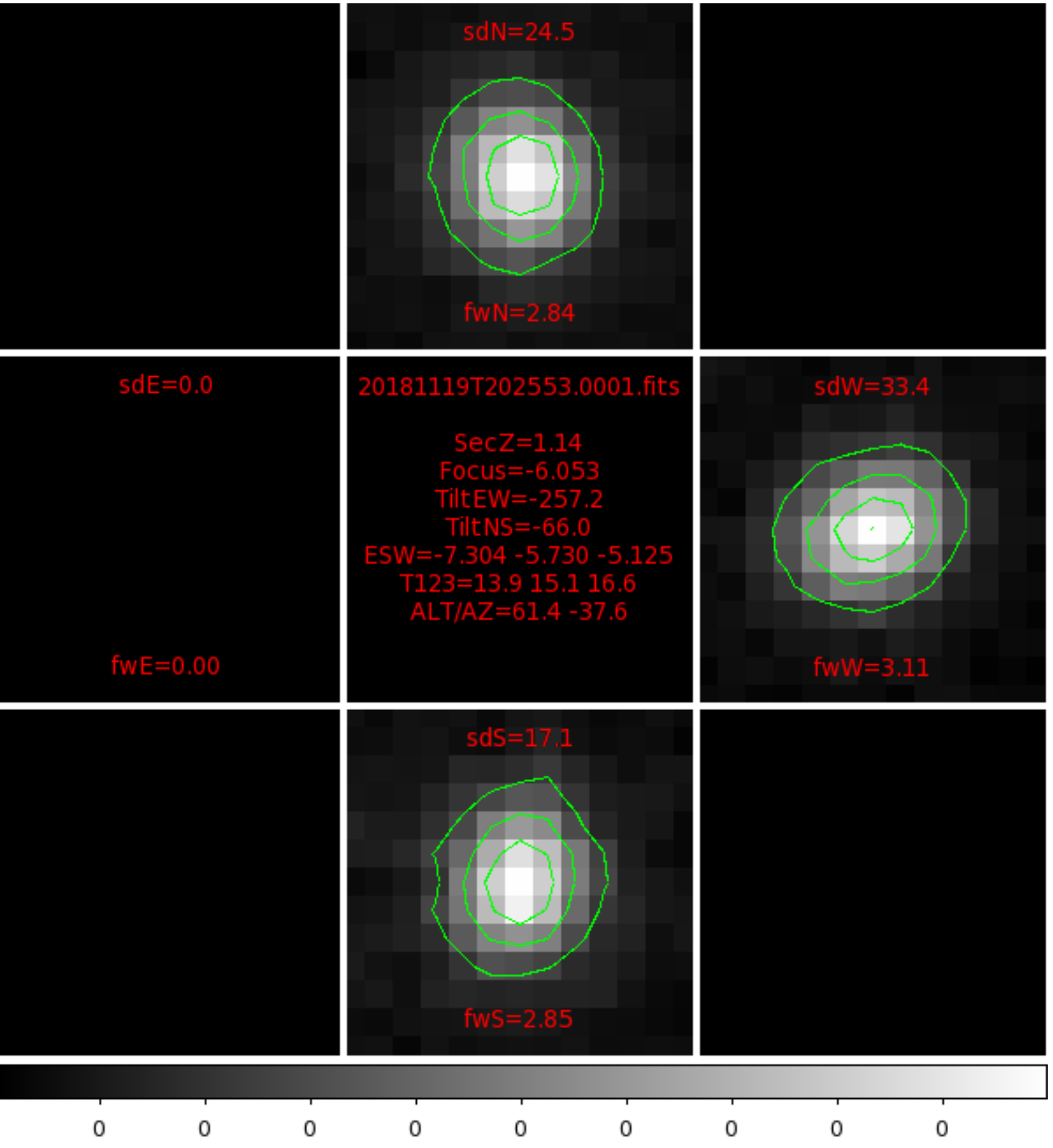
sdN=24.5
fwN=2.84
sdE=0.0
fwE=0.00
20181119T202553.0001.fits
SecZ=1.14
Focus=-6.053
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.304 -5.730 -5.125
T123=13.9 15.1 16.6
ALT/AZ=61.4 -37.6
sdW=33.4
fwW=3.11
sdS=17.1
fwS=2.85
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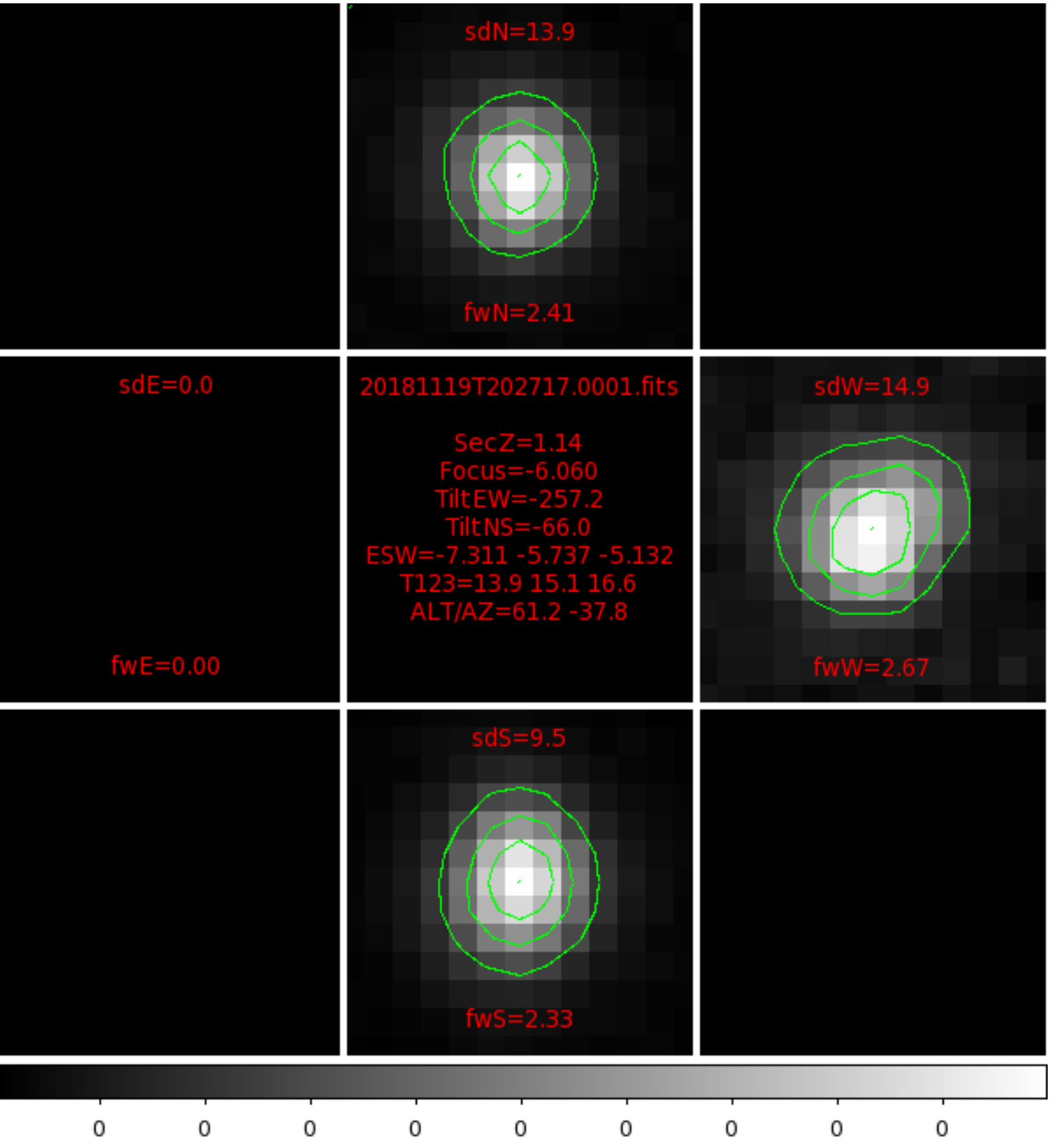
sdN=13.9
fwN=2.41
sdE=0.0
fwE=0.00
20181119T202717.0001.fits
SecZ=1.14
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.9 15.1 16.6
ALT/AZ=61.2 -37.8
sdW=14.9
fwW=2.67
sdS=9.5
fwS=2.33
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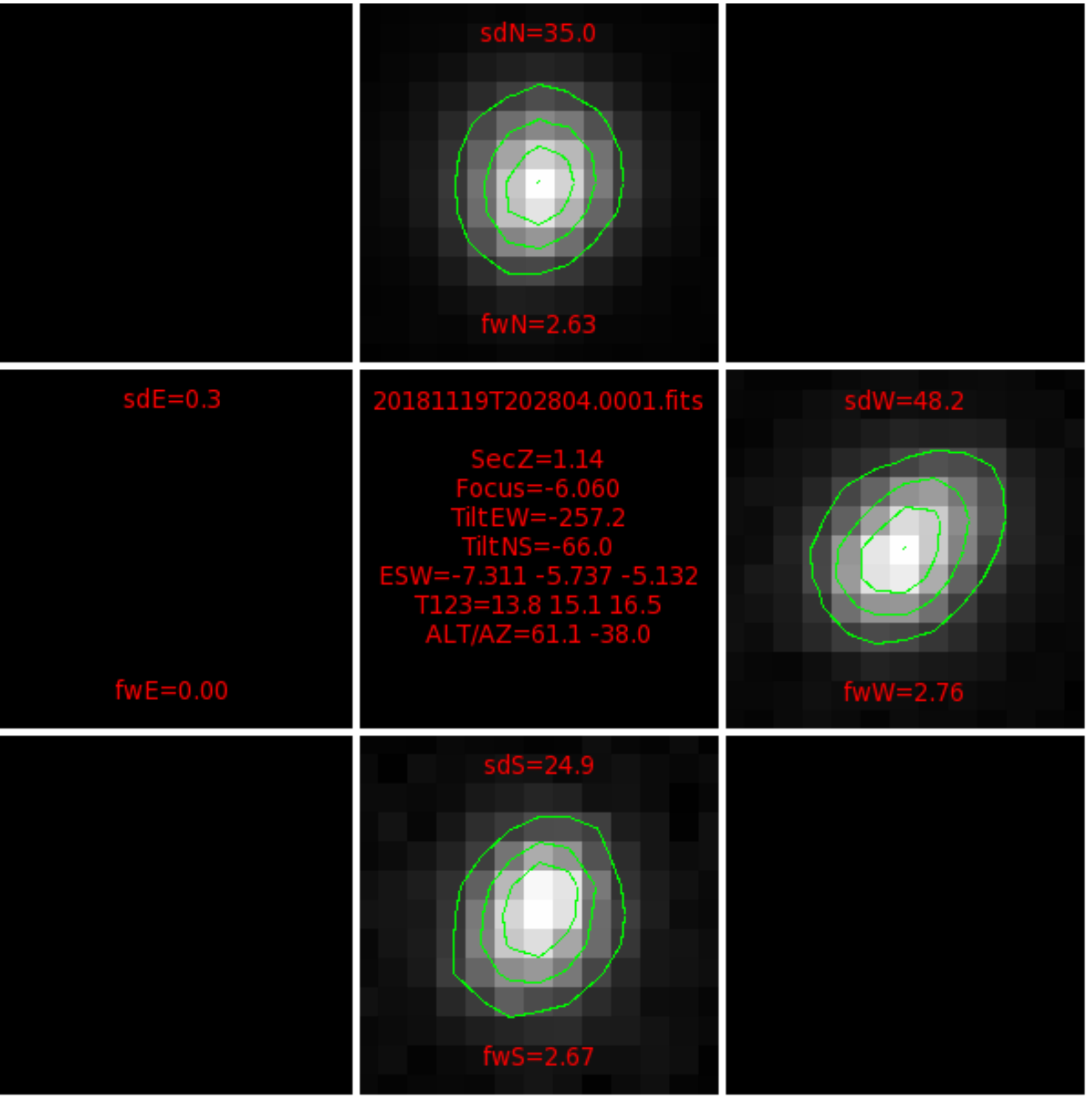
sdN=35.0
fwN=2.63
sdE=0.3
fwE=0.00
20181119T202804.0001.fits
SecZ=1.14
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.8 15.1 16.5
ALT/AZ=61.1 -38.0
sdW=48.2
fwW=2.76
sdS=24.9
fwS=2.67
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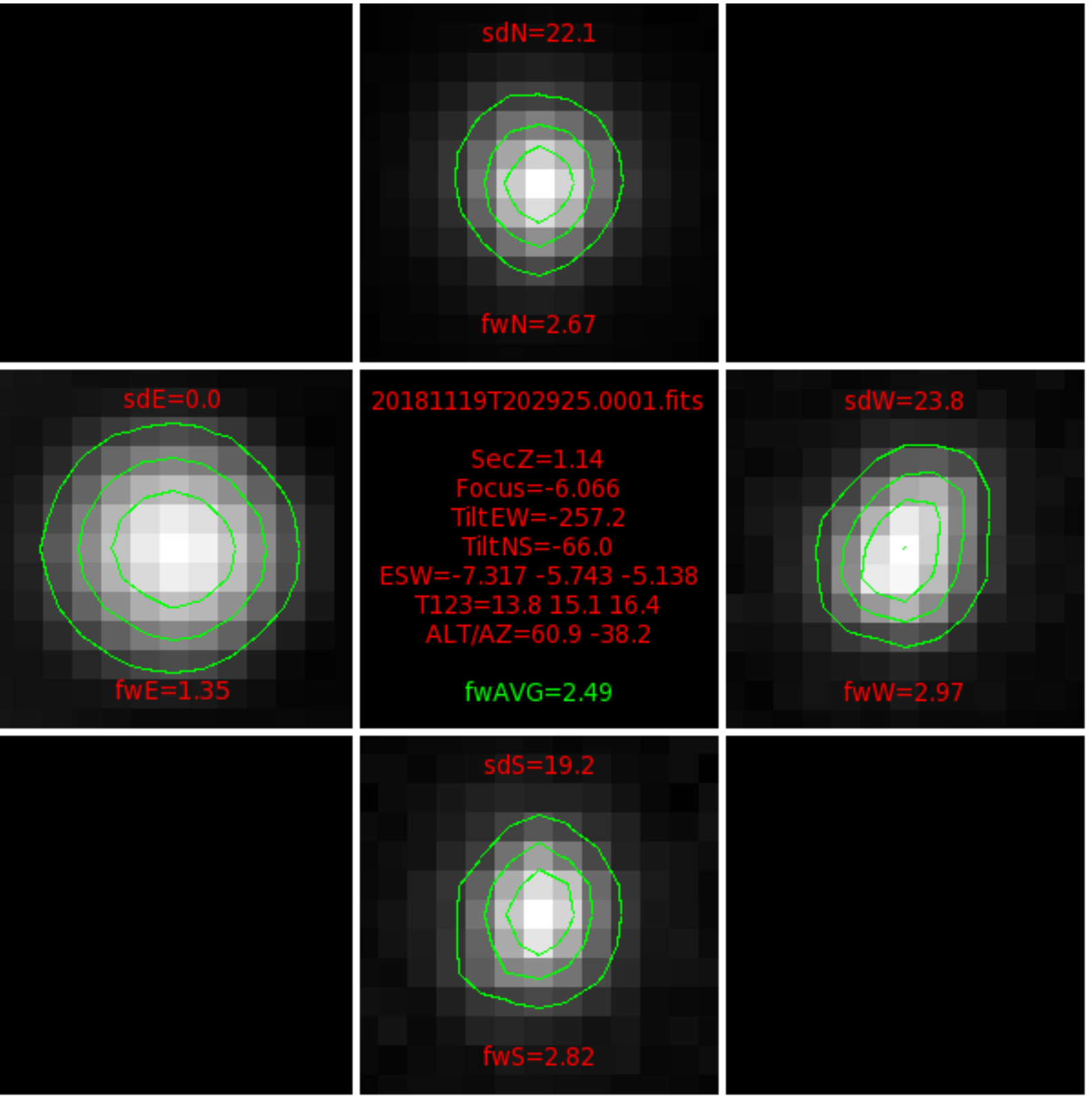
sdN=22.1
fwN=2.67
sdE=0.0
fwE=1.35
20181119T202925.0001.fits
SecZ=1.14
Focus=-6.066
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.317 -5.743 -5.138
T123=13.8 15.1 16.4
ALT/AZ=60.9 -38.2
fwAVG=2.49
sdW=23.8
fwW=2.97
sdS=19.2
fwS=2.82
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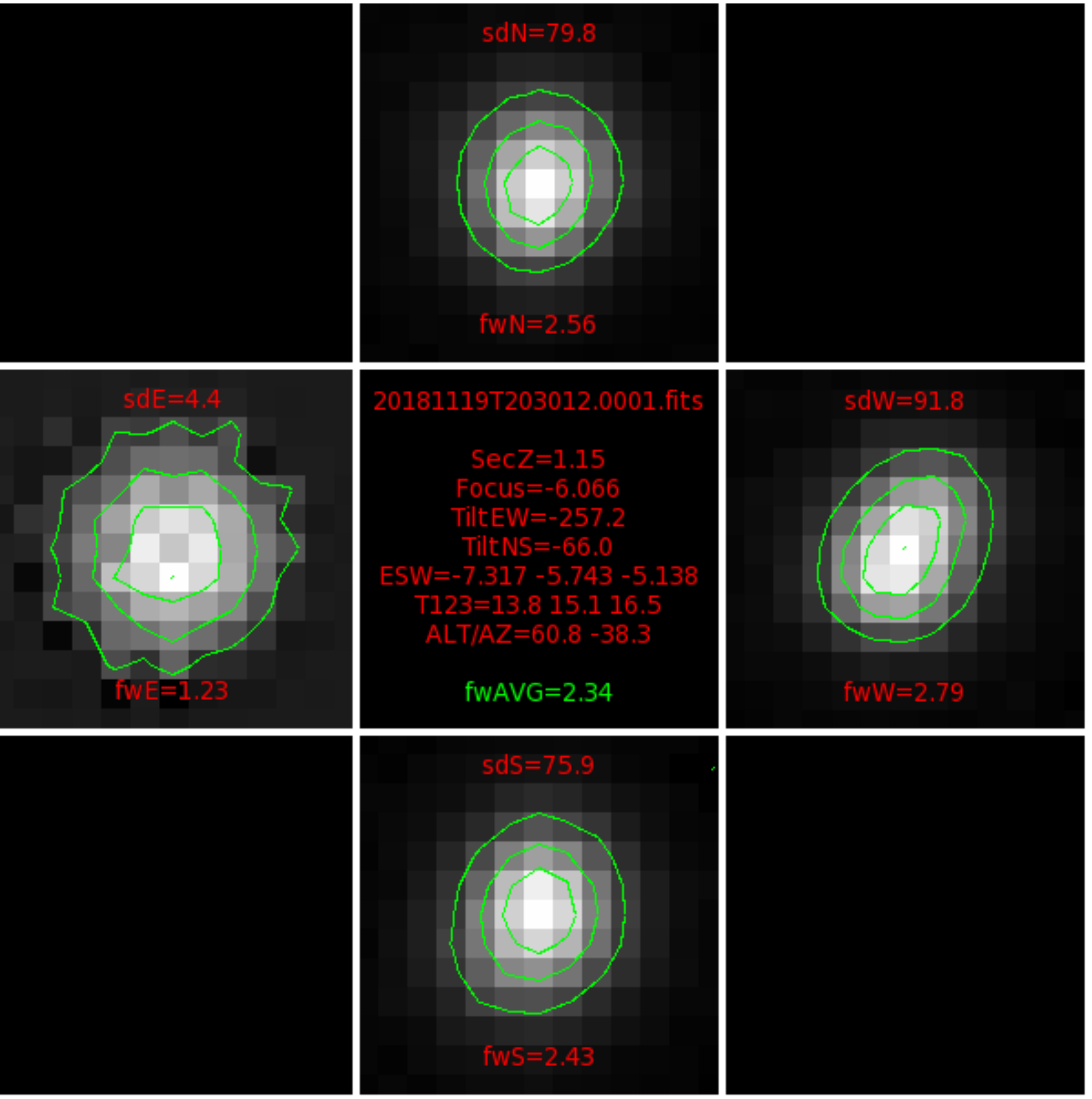
sdN=79.8
fwN=2.56
sdE=4.4
fwE=1.23
20181119T203012.0001.fits
SecZ=1.15
Focus=-6.066
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.317 -5.743 -5.138
T123=13.8 15.1 16.5
ALT/AZ=60.8 -38.3
fwAVG=2.34
sdW=91.8
fwW=2.79
sdS=75.9
fwS=2.43
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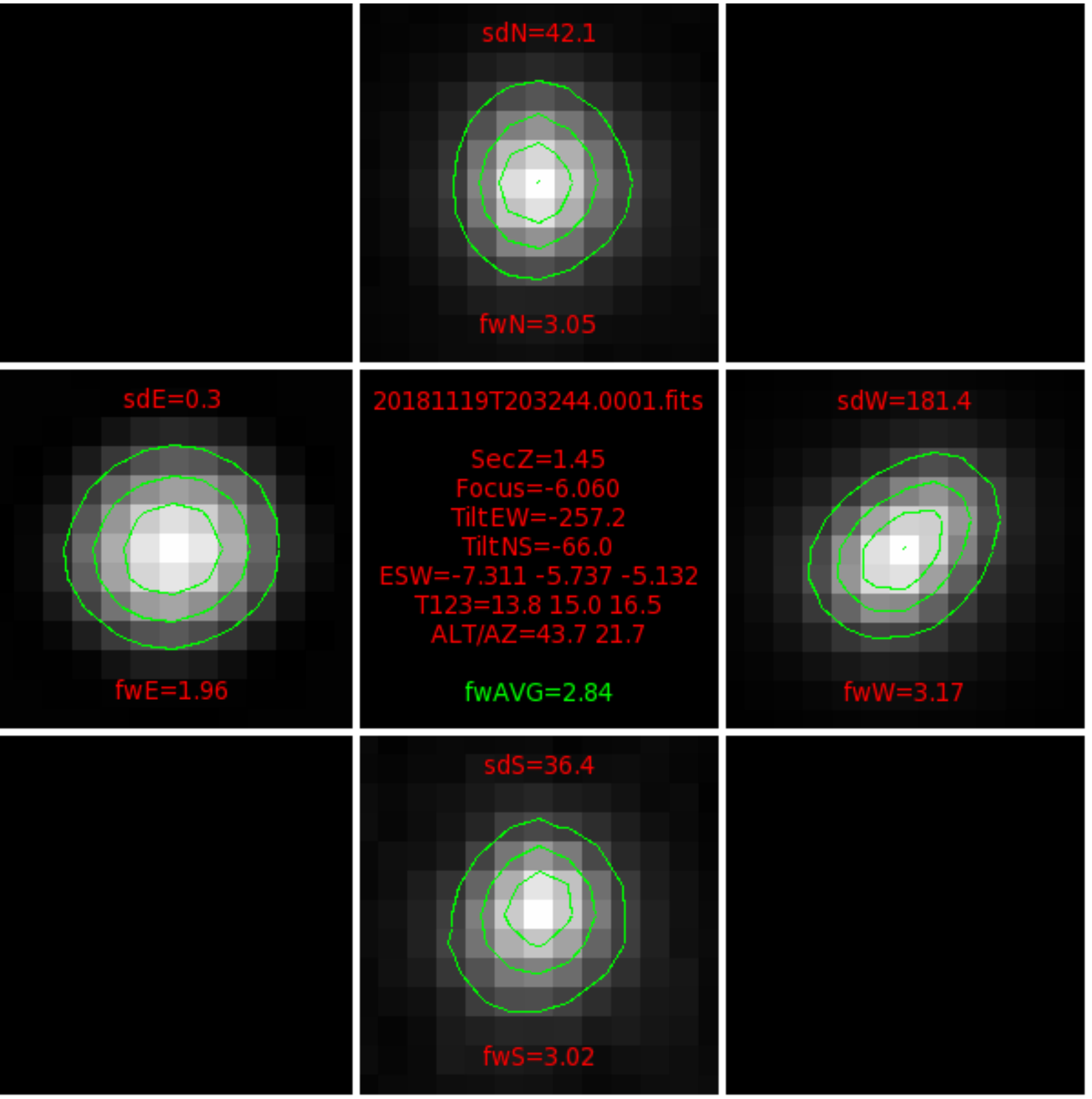
sdN=42.1
fwN=3.05
sdE=0.3
fwE=1.96
20181119T203244.0001.fits
SecZ=1.45
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.8 15.0 16.5
ALT/AZ=43.7 21.7
fwAVG=2.84
sdW=181.4
fwW=3.17
sdS=36.4
fwS=3.02
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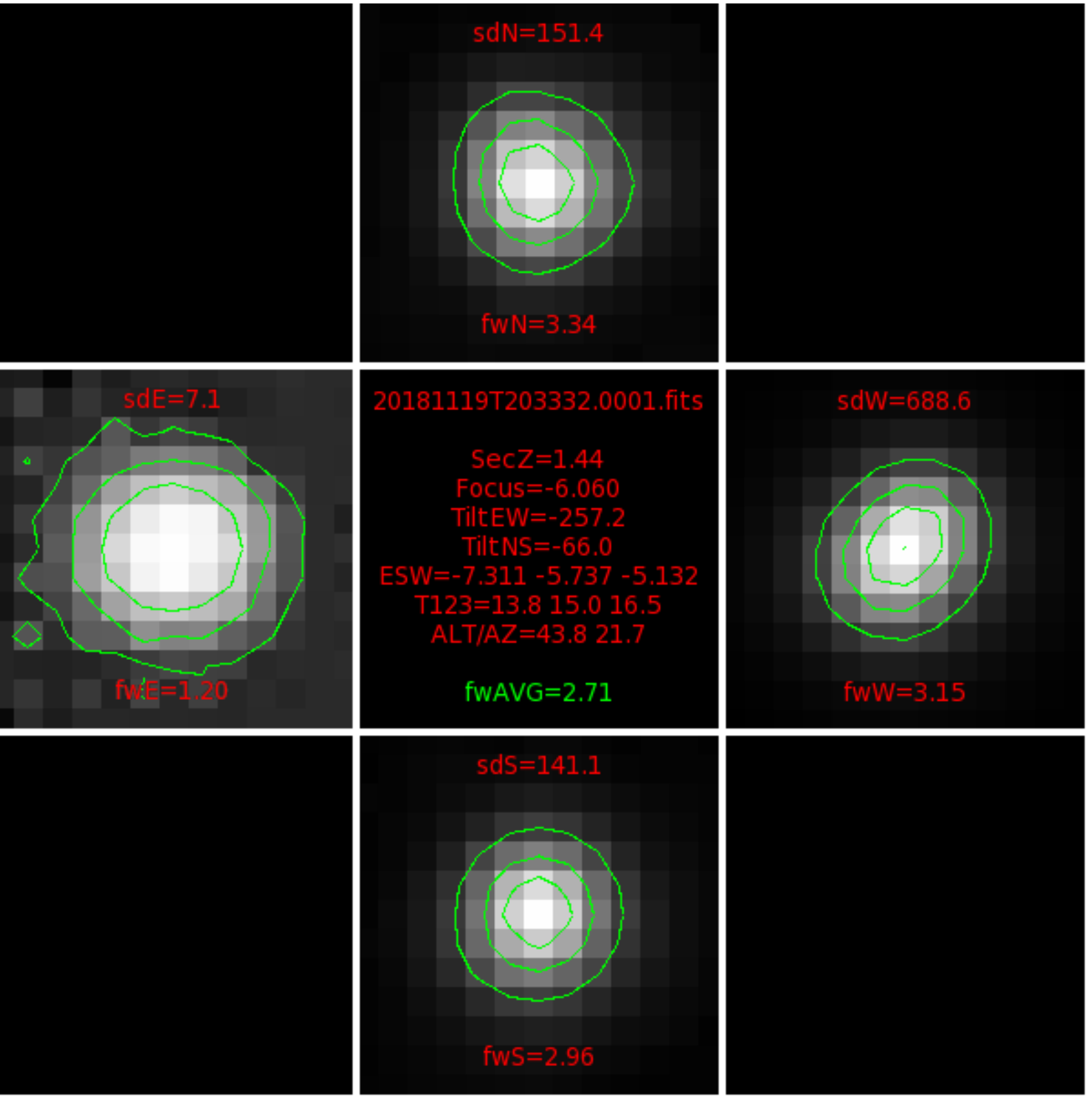
sdN=151.4
fwN=3.34
sdE=7.1
fwE=1.20
20181119T203332.0001.fits
SecZ=1.44
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.8 15.0 16.5
ALT/AZ=43.8 21.7
fwAVG=2.71
sdW=688.6
fwW=3.15
sdS=141.1
fwS=2.96
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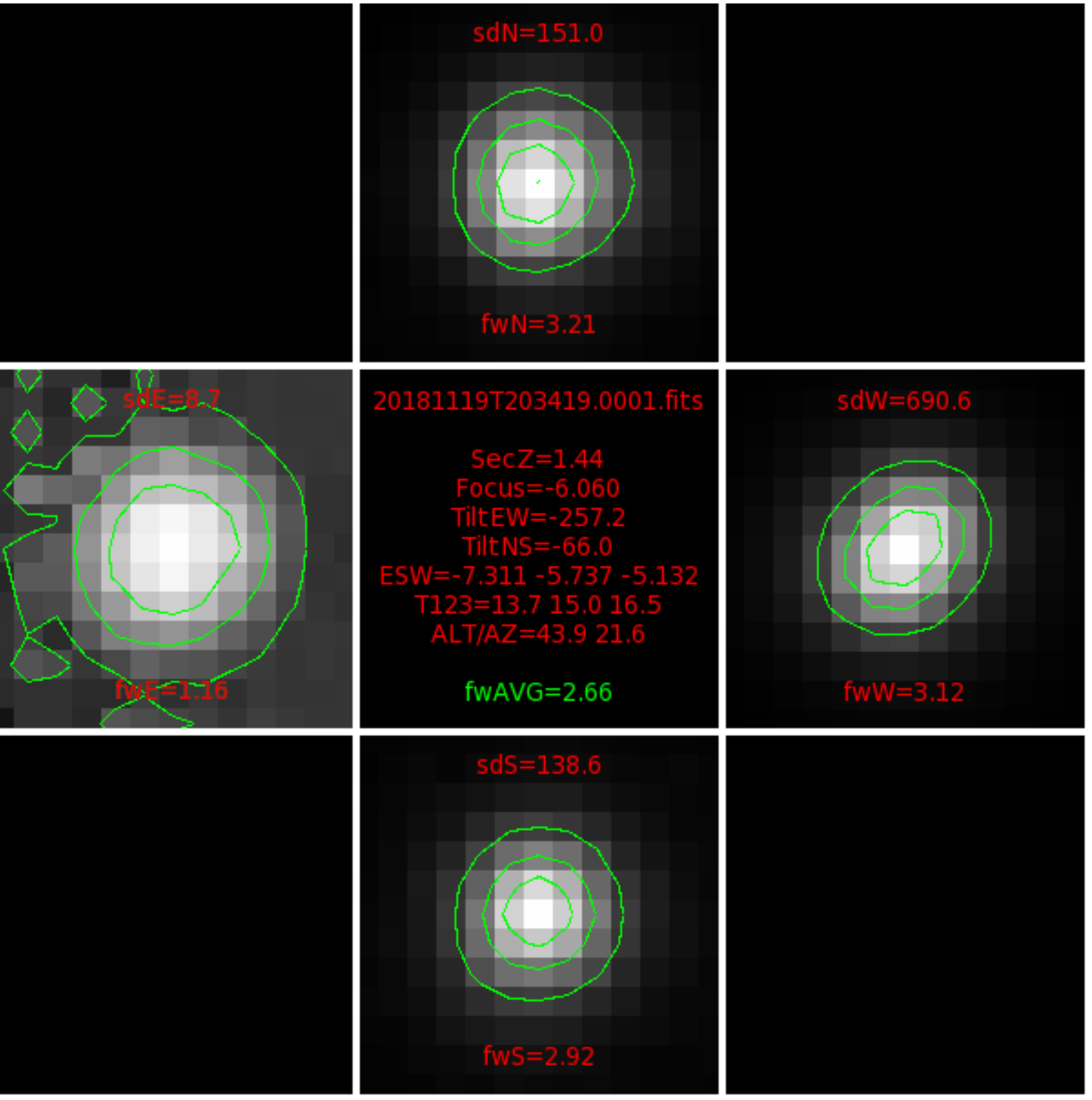
sdN=151.0
fwN=3.21
sdE=8.7
fwE=1.16
20181119T203419.0001.fits
SecZ=1.44
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.7 15.0 16.5
ALT/AZ=43.9 21.6
fwAVG=2.66
sdW=690.6
fwW=3.12
sdS=138.6
fwS=2.92
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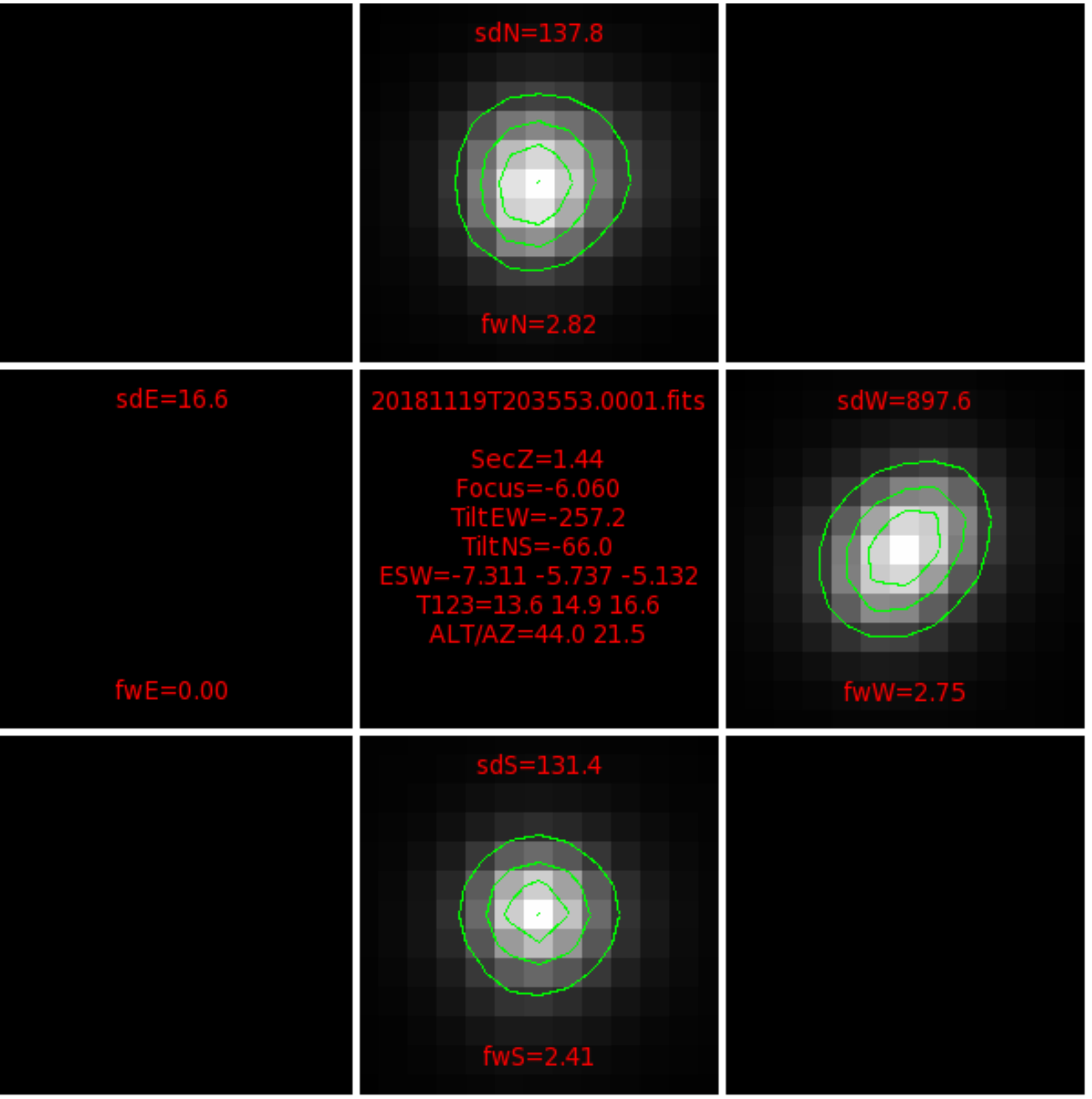
sdN=137.8
fwN=2.82
sdE=16.6
fwE=0.00
20181119T203553.0001.fits
SecZ=1.44
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.6 14.9 16.6
ALT/AZ=44.0 21.5
sdW=897.6
fwW=2.75
sdS=131.4
fwS=2.41
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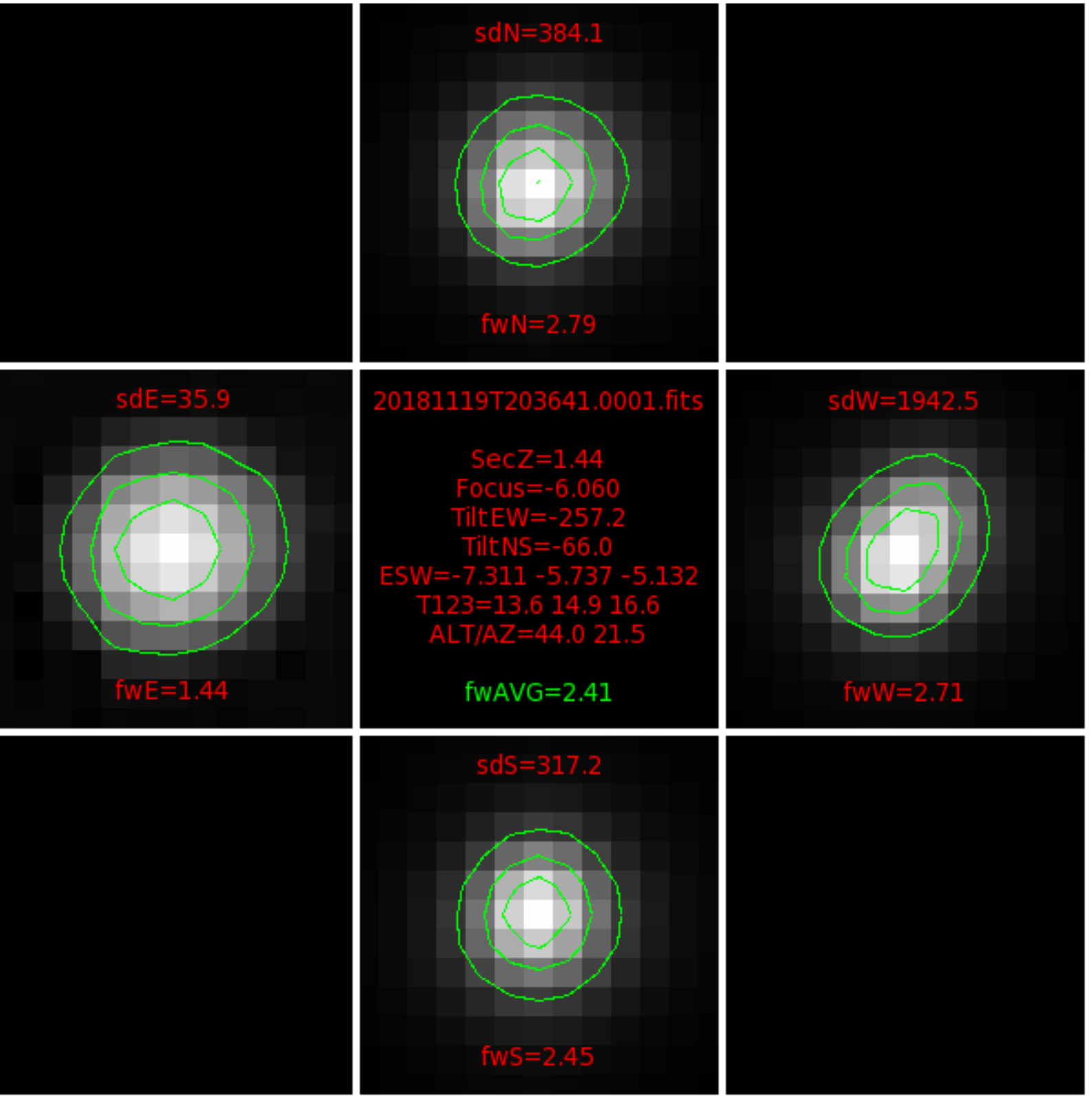
sdN=384.1
fwN=2.79
sdE=35.9
fwE=1.44
20181119T203641.0001.fits
SecZ=1.44
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.6 14.9 16.6
ALT/AZ=44.0 21.5
fwAVG=2.41
sdW=1942.5
fwW=2.71
sdS=317.2
fwS=2.45
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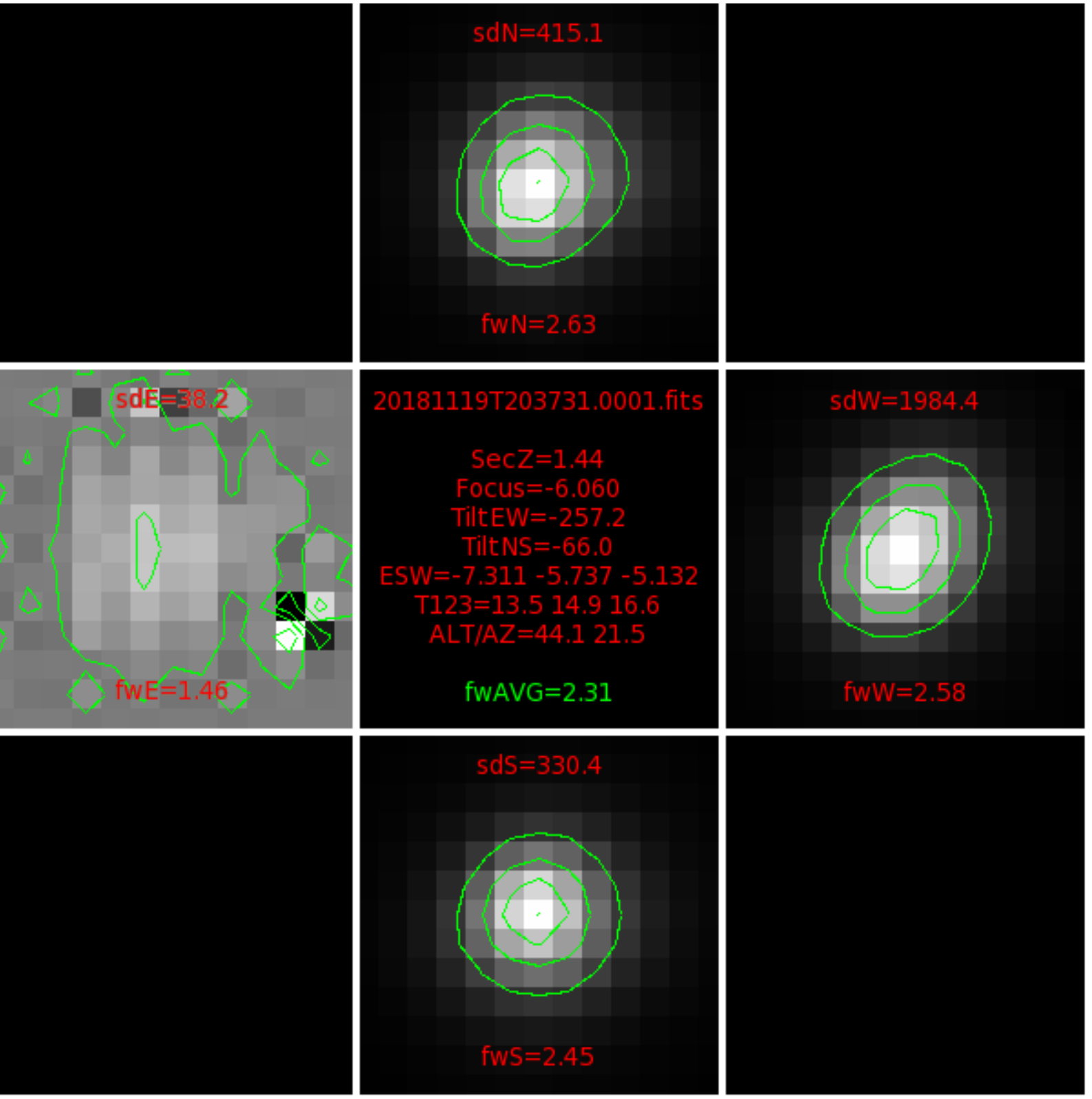
sdN=415.1
fwN=2.63
sdE=38.2
fwE=1.46
20181119T203731.0001.fits
SecZ=1.44
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.5 14.9 16.6
ALT/AZ=44.1 21.5
fwAVG=2.31
sdW=1984.4
fwW=2.58
sdS=330.4
fwS=2.45
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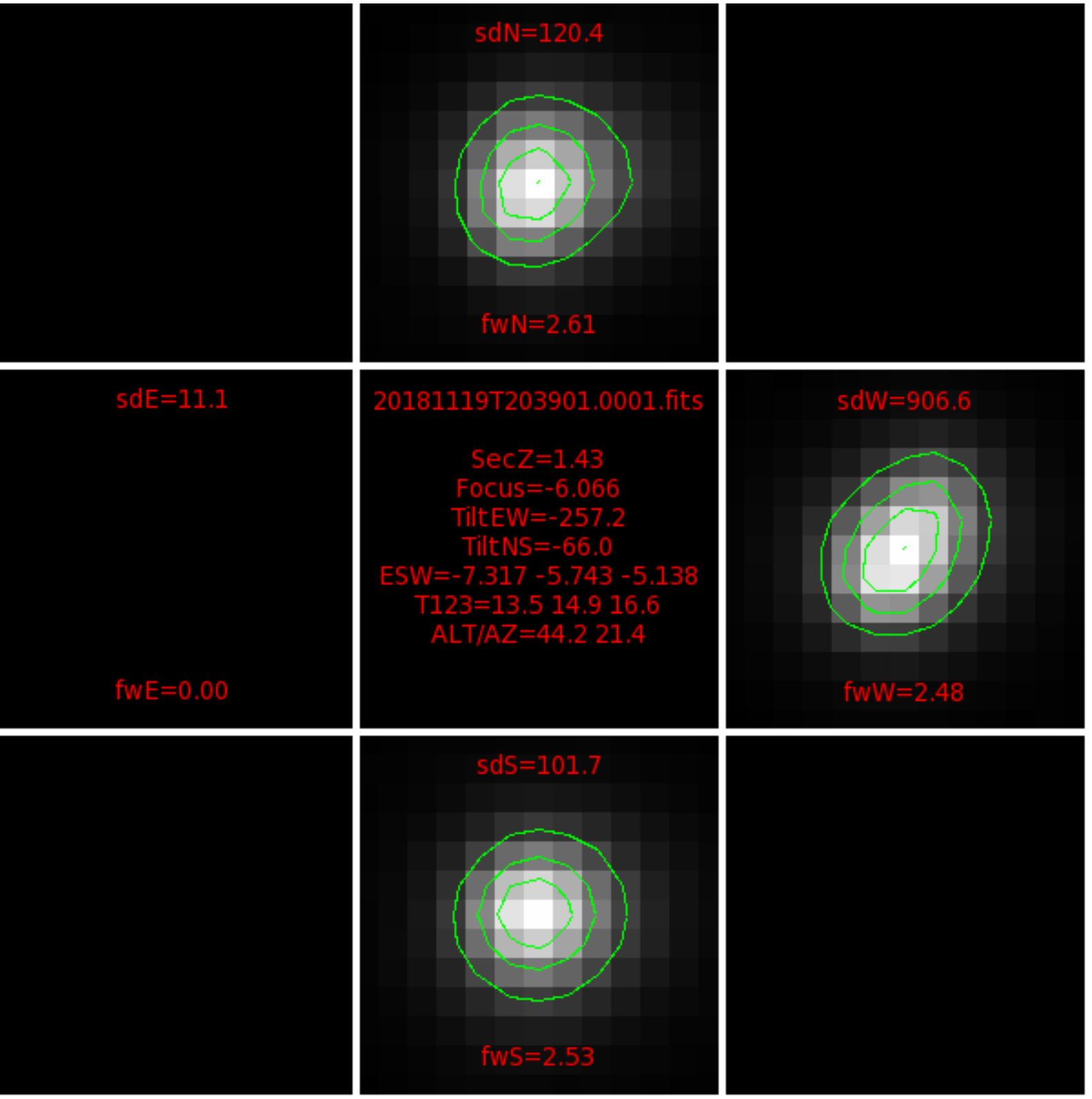
sdN=120.4
fwN=2.61
sdE=11.1
fwE=0.00
20181119T203901.0001.fits
SecZ=1.43
Focus=-6.066
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.317 -5.743 -5.138
T123=13.5 14.9 16.6
ALT/AZ=44.2 21.4
sdW=906.6
fwW=2.48
sdS=101.7
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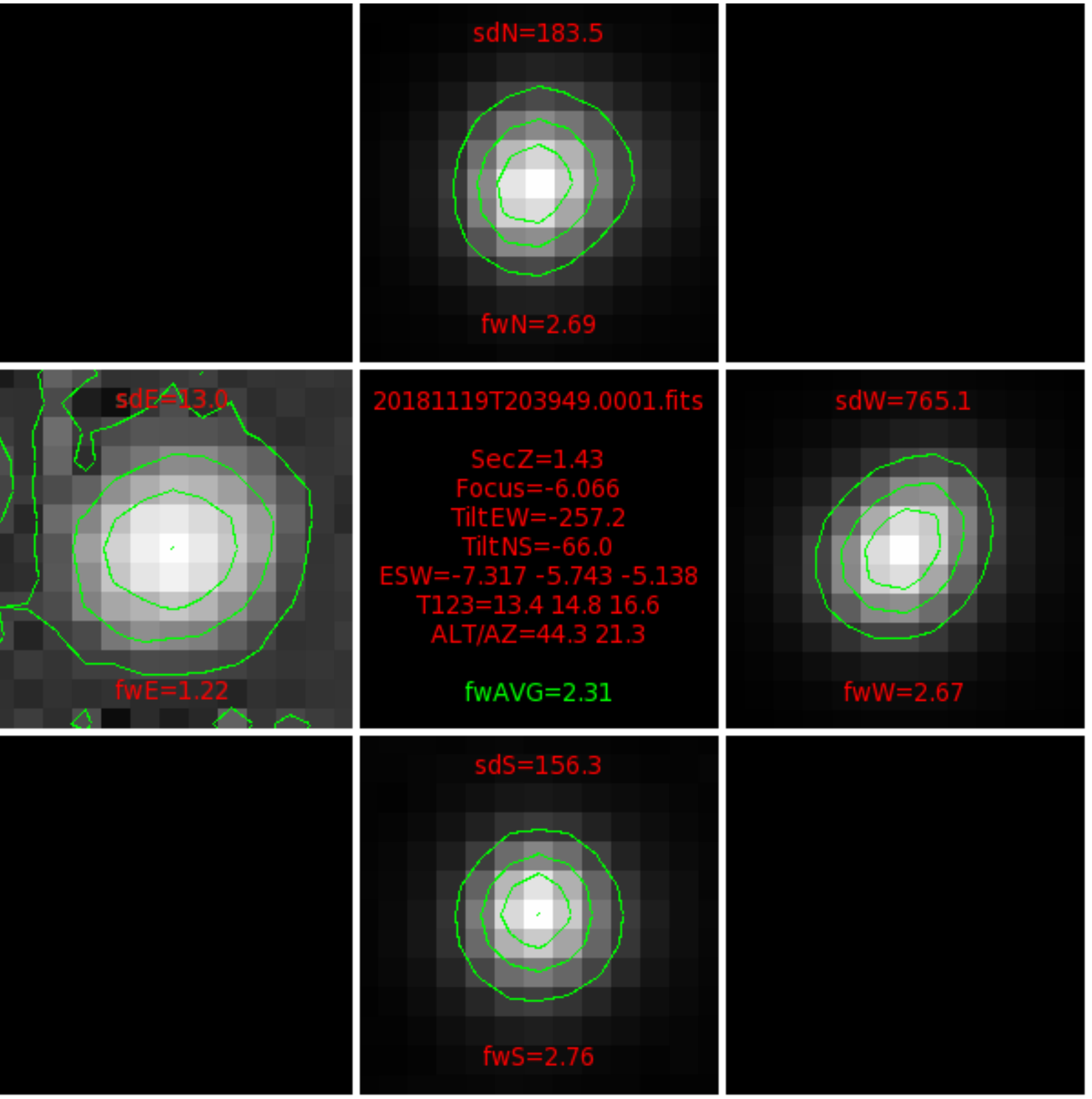
sdN=183.5
fwN=2.69
sdE=13.0
fwE=1.22
20181119T203949.0001.fits
SecZ=1.43
Focus=-6.066
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.317 -5.743 -5.138
T123=13.4 14.8 16.6
ALT/AZ=44.3 21.3
fwAVG=2.31
sdW=765.1
fwW=2.67
sdS=156.3
fwS=2.76
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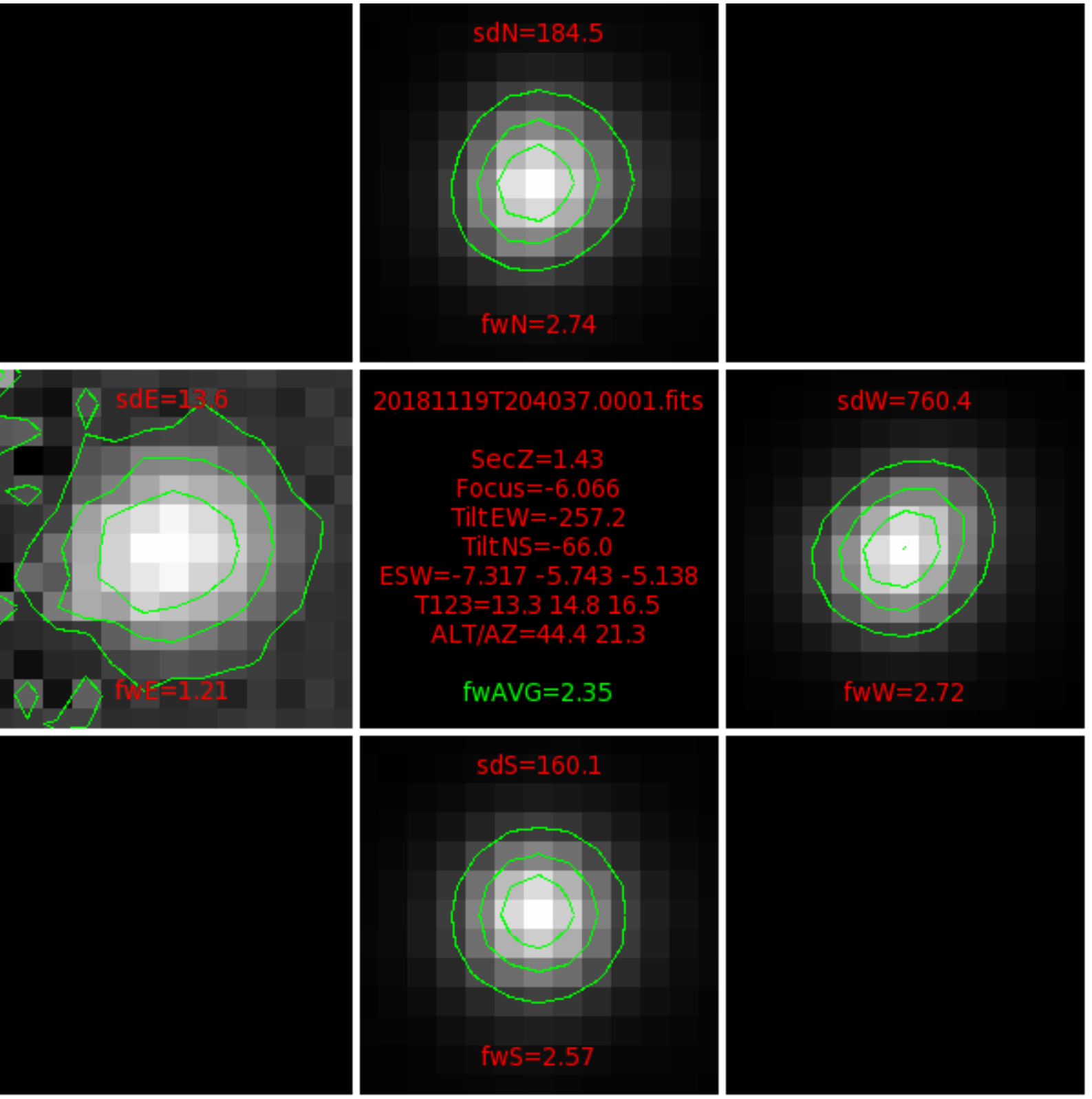
sdN=184.5
fwN=2.74
sdE=13.6
fwE=1.21
20181119T204037.0001.fits
SecZ=1.43
Focus=-6.066
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.317 -5.743 -5.138
T123=13.3 14.8 16.5
ALT/AZ=44.4 21.3
fwAVG=2.35
sdW=760.4
fwW=2.72
sdS=160.1
fwS=2.57
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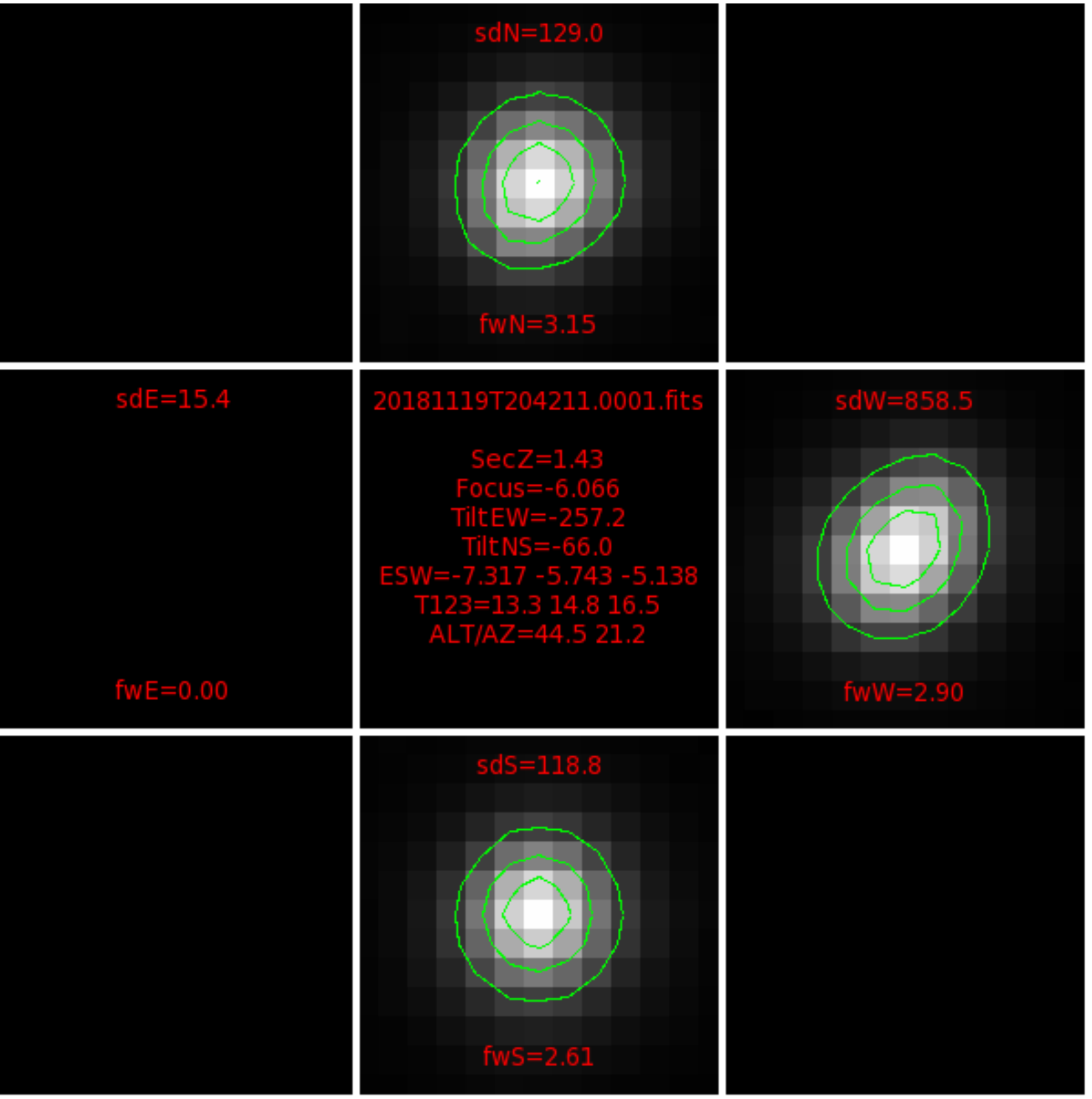
sdN=129.0
fwN=3.15
sdE=15.4
fwE=0.00
20181119T204211.0001.fits
SecZ=1.43
Focus=-6.066
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.317 -5.743 -5.138
T123=13.3 14.8 16.5
ALT/AZ=44.5 21.2
sdW=858.5
fwW=2.90
sdS=118.8
fwS=2.61
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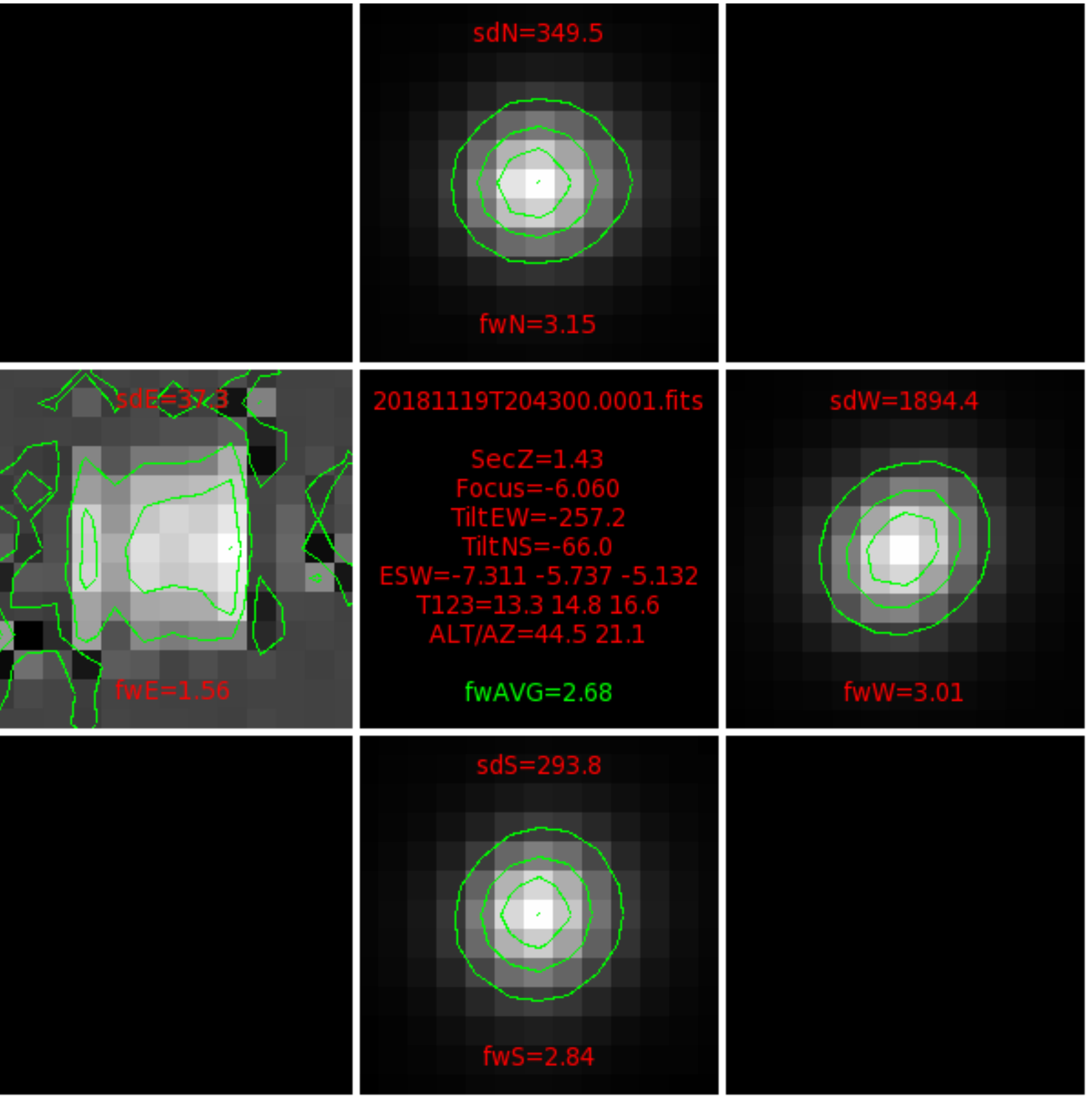
sdN=349.5
fwN=3.15
sdE=37.3
fwE=1.56
20181119T204300.0001.fits
SecZ=1.43
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.3 14.8 16.6
ALT/AZ=44.5 21.1
fwAVG=2.68
sdW=1894.4
fwW=3.01
sdS=293.8
fwS=2.84
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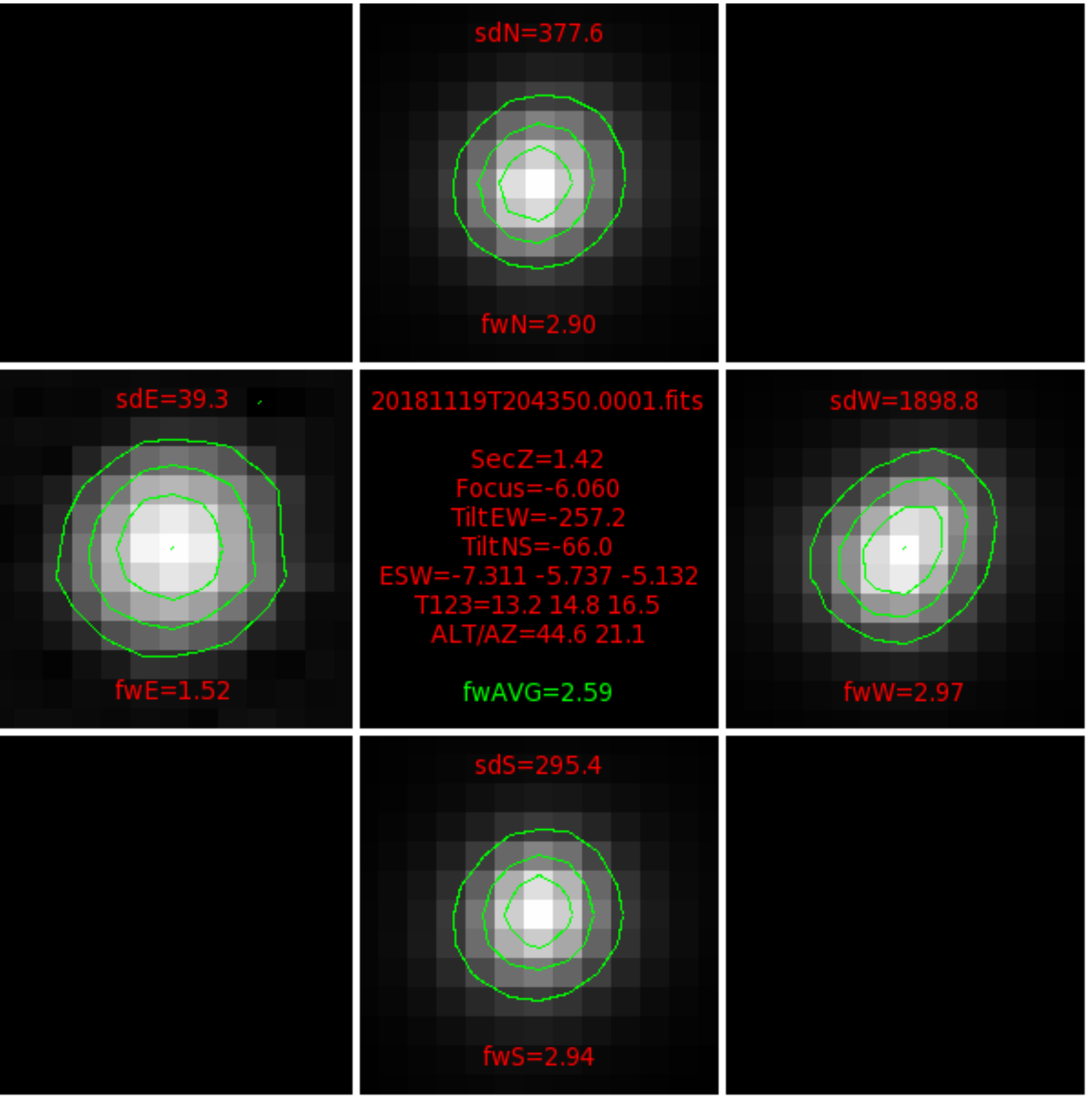
sdN=377.6
fwN=2.90
sdE=39.3
fwE=1.52
20181119T204350.0001.fits
SecZ=1.42
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.2 14.8 16.5
ALT/AZ=44.6 21.1
fwAVG=2.59
sdW=1898.8
fwW=2.97
sdS=295.4
fwS=2.94
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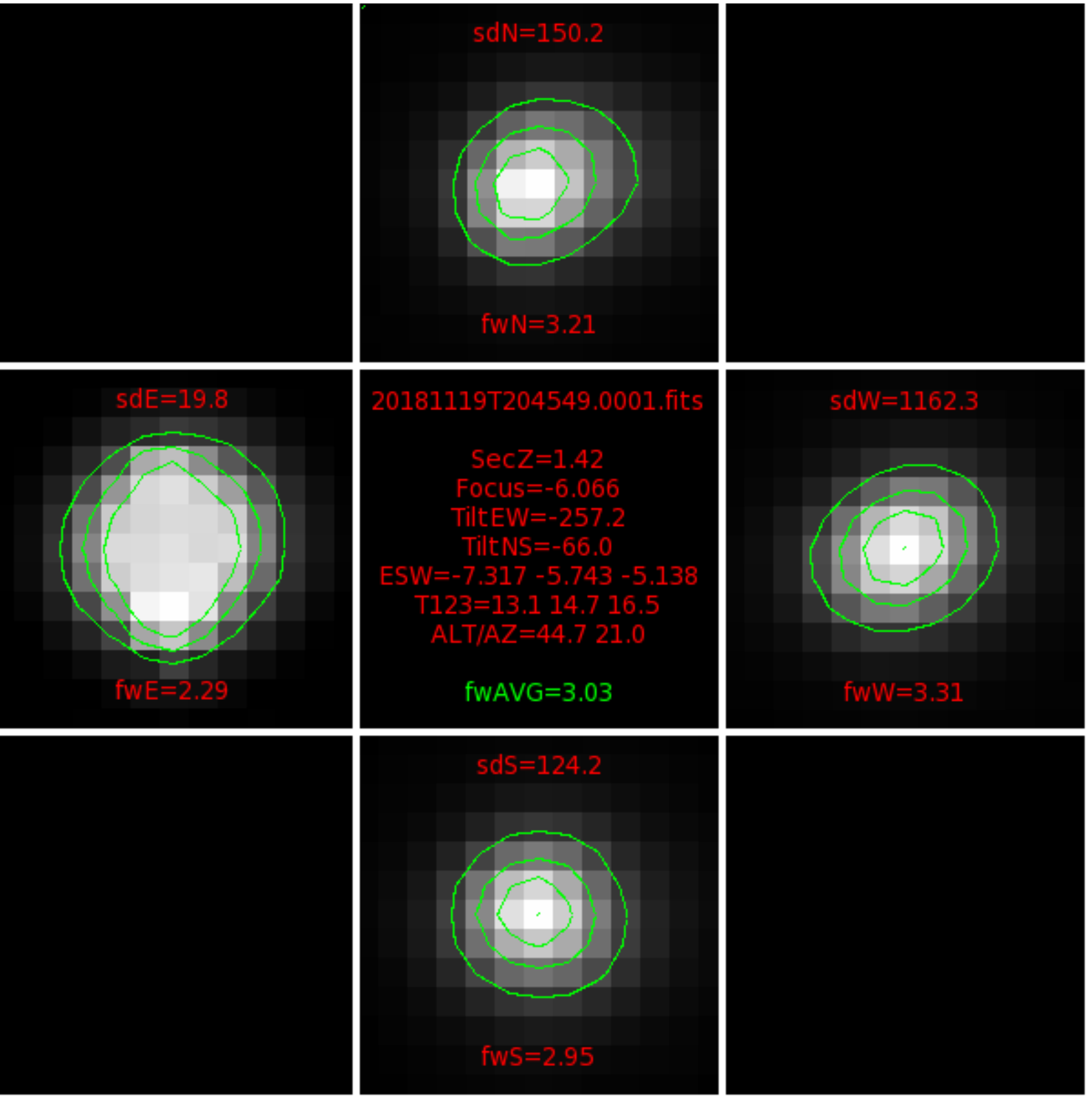
sdN=150.2
fwN=3.21
sdE=19.8
fwE=2.29
20181119T204549.0001.fits
SecZ=1.42
Focus=-6.066
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.317 -5.743 -5.138
T123=13.1 14.7 16.5
ALT/AZ=44.7 21.0
fwAVG=3.03
sdW=1162.3
fwW=3.31
sdS=124.2
fwS=2.95
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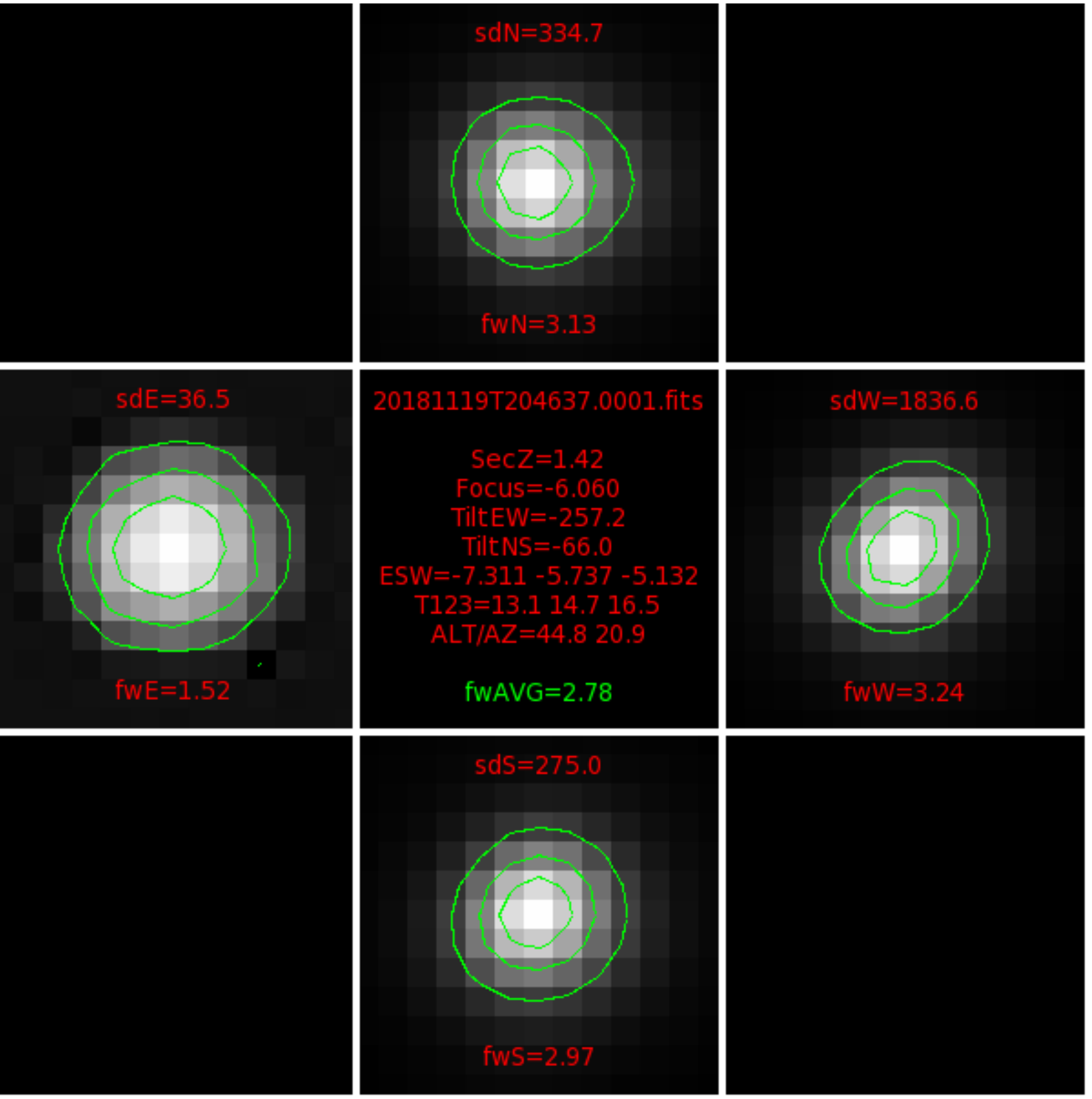
sdN=334.7
fwN=3.13
sdE=36.5
fwE=1.52
20181119T204637.0001.fits
SecZ=1.42
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.1 14.7 16.5
ALT/AZ=44.8 20.9
fwAVG=2.78
sdW=1836.6
fwW=3.24
sdS=275.0
fwS=2.97
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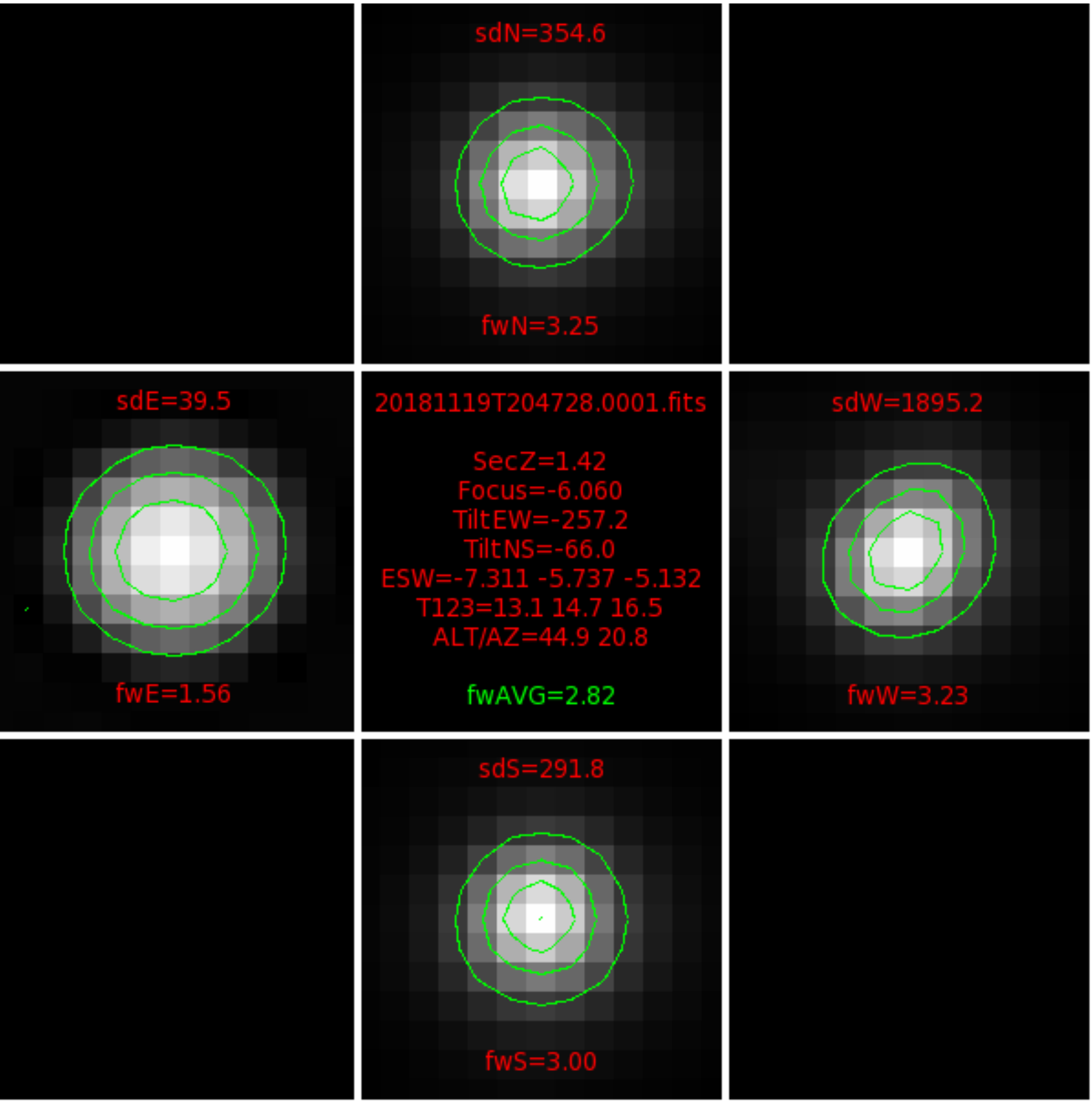
sdN=354.6
fwN=3.25
sdE=39.5
fwE=1.56
20181119T204728.0001.fits
SecZ=1.42
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.1 14.7 16.5
ALT/AZ=44.9 20.8
fwAVG=2.82
sdW=1895.2
fwW=3.23
sdS=291.8
fwS=3.00
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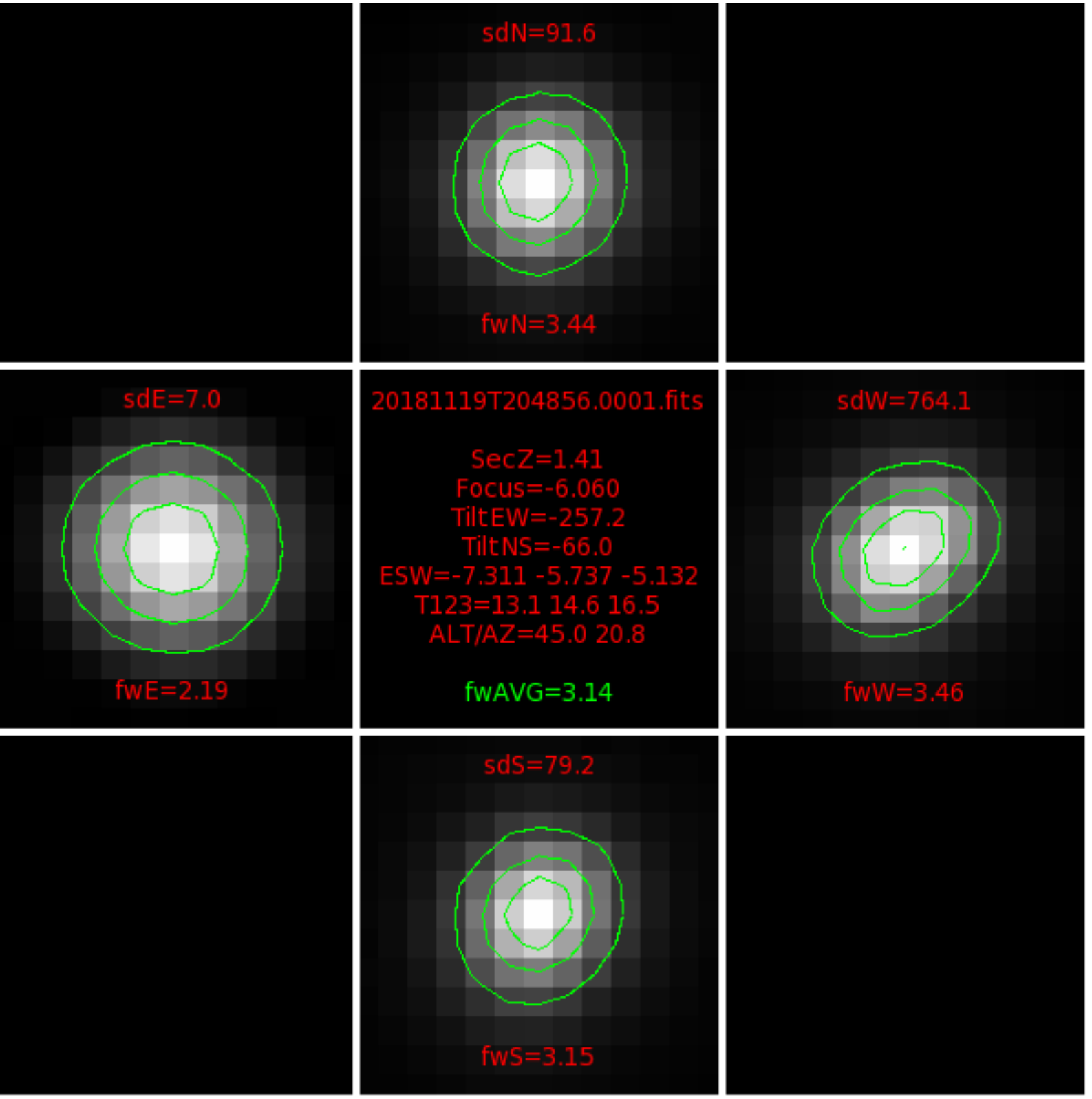
sdN=91.6
fwN=3.44
sdE=7.0
fwE=2.19
20181119T204856.0001.fits
SecZ=1.41
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.1 14.6 16.5
ALT/AZ=45.0 20.8
fwAVG=3.14
sdW=764.1
fwW=3.46
sdS=79.2
fwS=3.15
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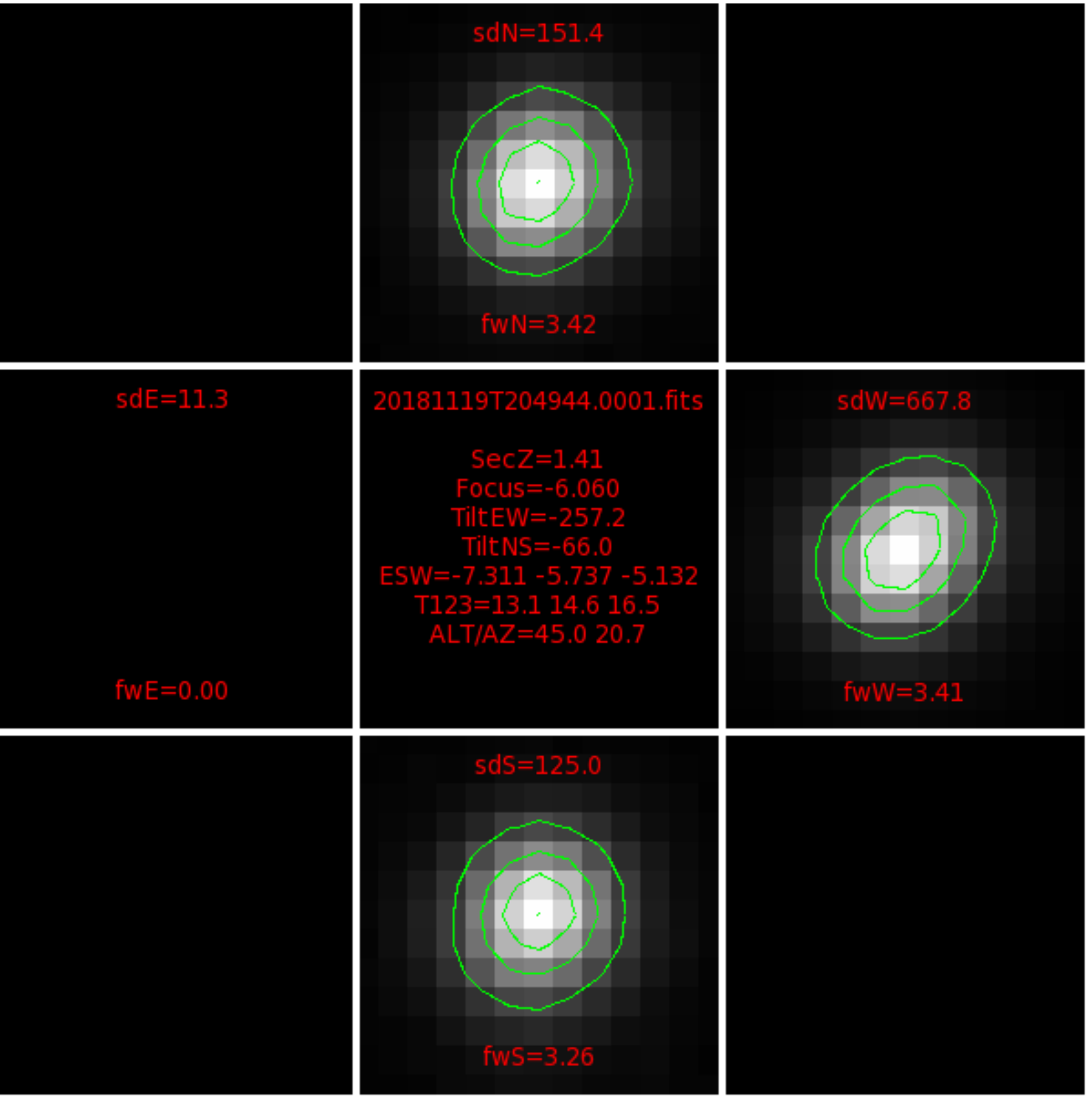
sdN=151.4
fwN=3.42
sdE=11.3
fwE=0.00
20181119T204944.0001.fits
SecZ=1.41
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.1 14.6 16.5
ALT/AZ=45.0 20.7
sdW=667.8
fwW=3.41
sdS=125.0
fwS=3.26
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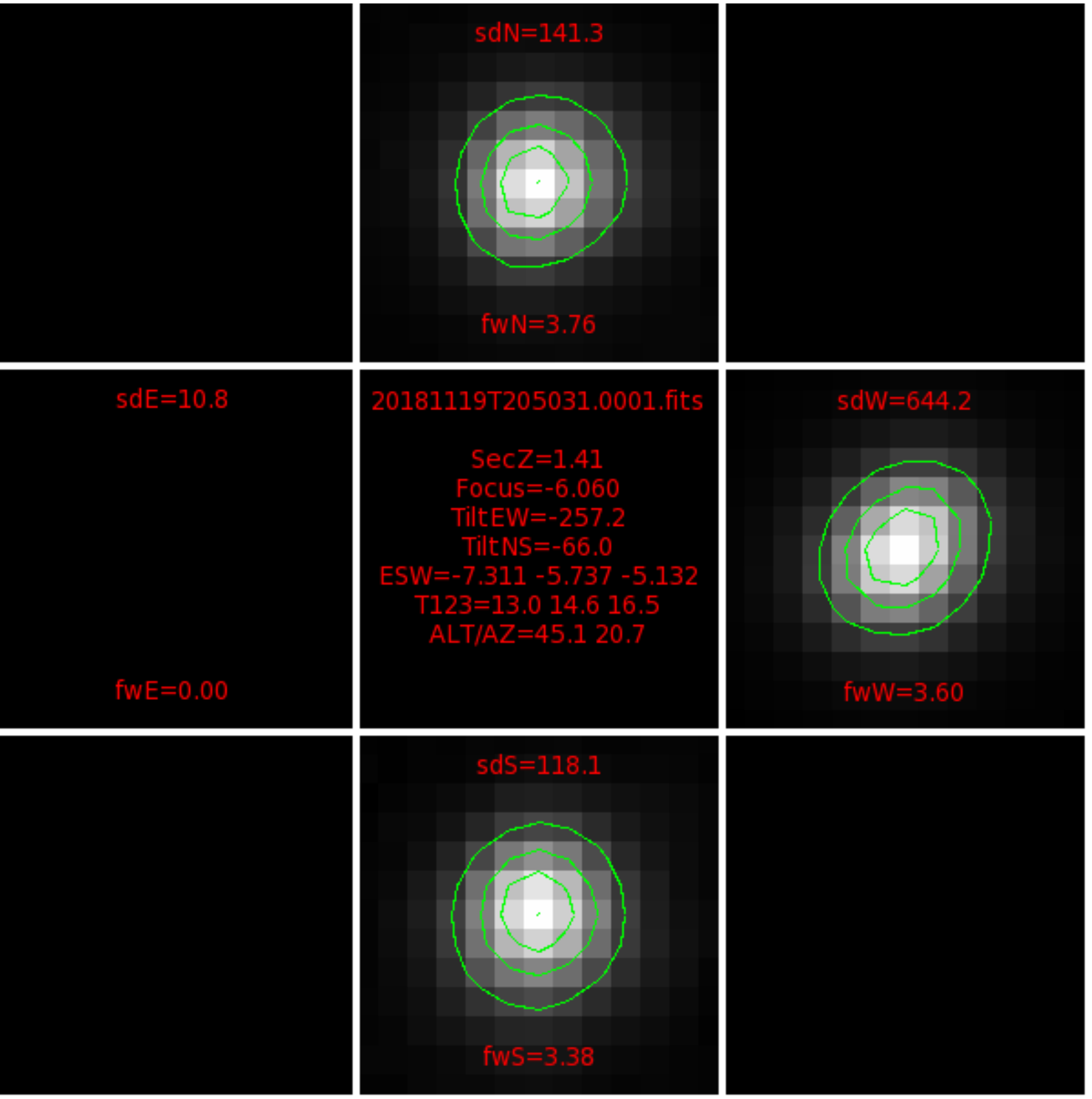
sdN=141.3
fwN=3.76
sdE=10.8
fwE=0.00
20181119T205031.0001.fits
SecZ=1.41
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.0 14.6 16.5
ALT/AZ=45.1 20.7
sdW=644.2
fwW=3.60
sdS=118.1
fwS=3.38
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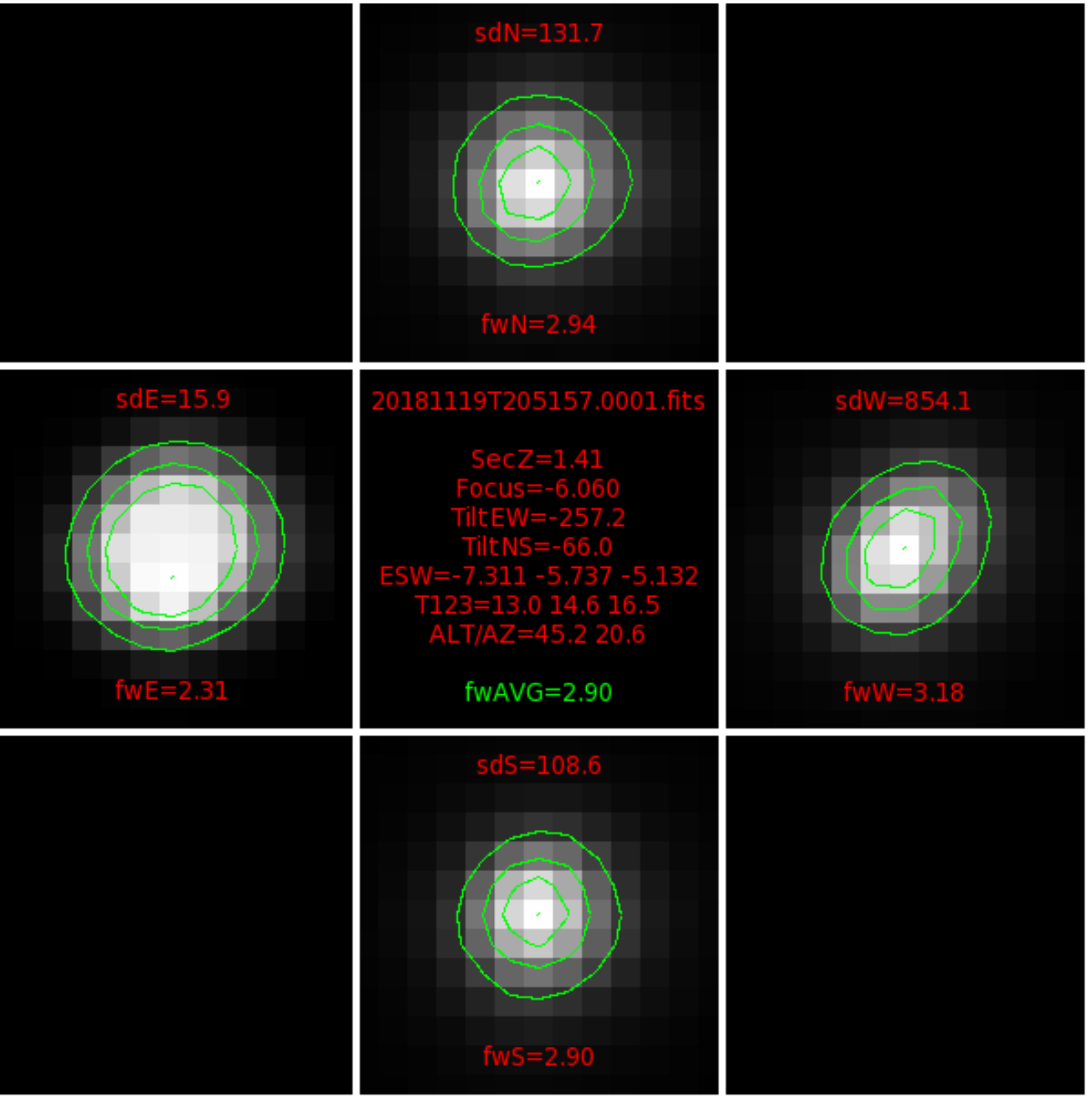
sdN=131.7
fwN=2.94
sdE=15.9
fwE=2.31
20181119T205157.0001.fits
SecZ=1.41
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.0 14.6 16.5
ALT/AZ=45.2 20.6
fwAVG=2.90
sdW=854.1
fwW=3.18
sdS=108.6
fwS=2.90
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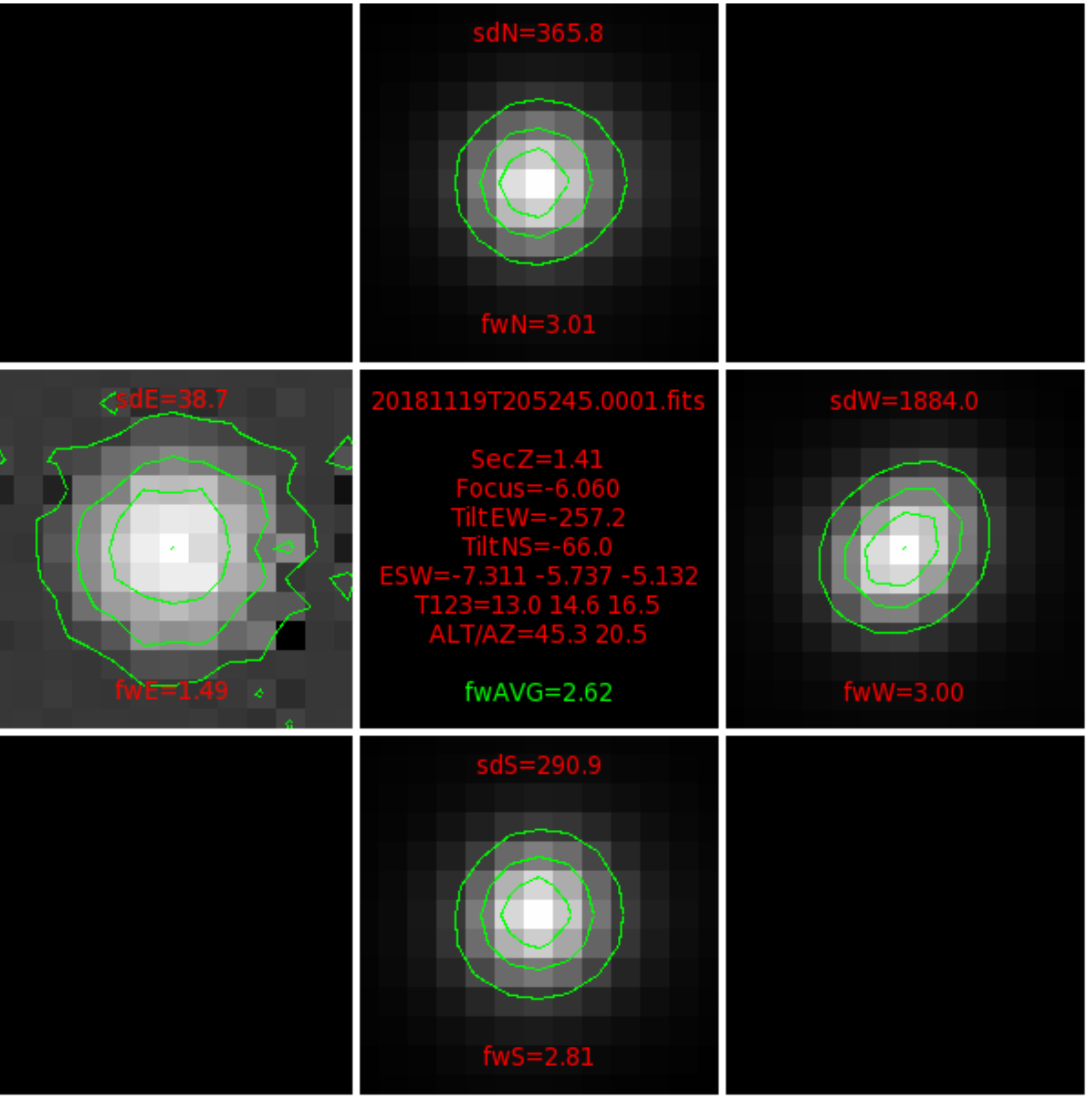
sdN=365.8
fwN=3.01
sdE=38.7
fwE=1.49
20181119T205245.0001.fits
SecZ=1.41
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.0 14.6 16.5
ALT/AZ=45.3 20.5
fwAVG=2.62
sdW=1884.0
fwW=3.00
sdS=290.9
fwS=2.81
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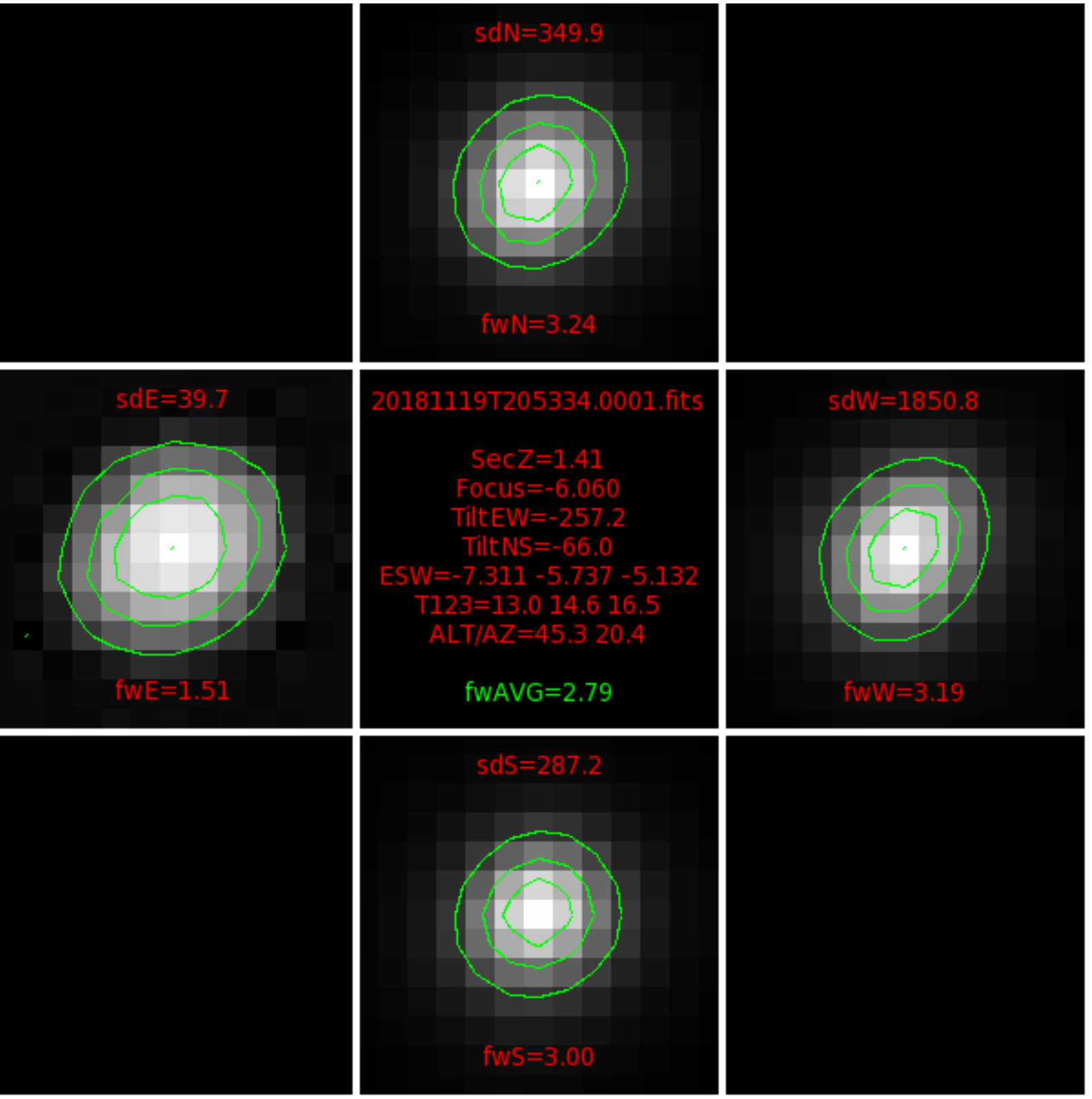
sdN=349.9
fwN=3.24
sdE=39.7
fwE=1.51
20181119T205334.0001.fits
SecZ=1.41
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.0 14.6 16.5
ALT/AZ=45.3 20.4
fwAVG=2.79
sdW=1850.8
fwW=3.19
sdS=287.2
fwS=3.00
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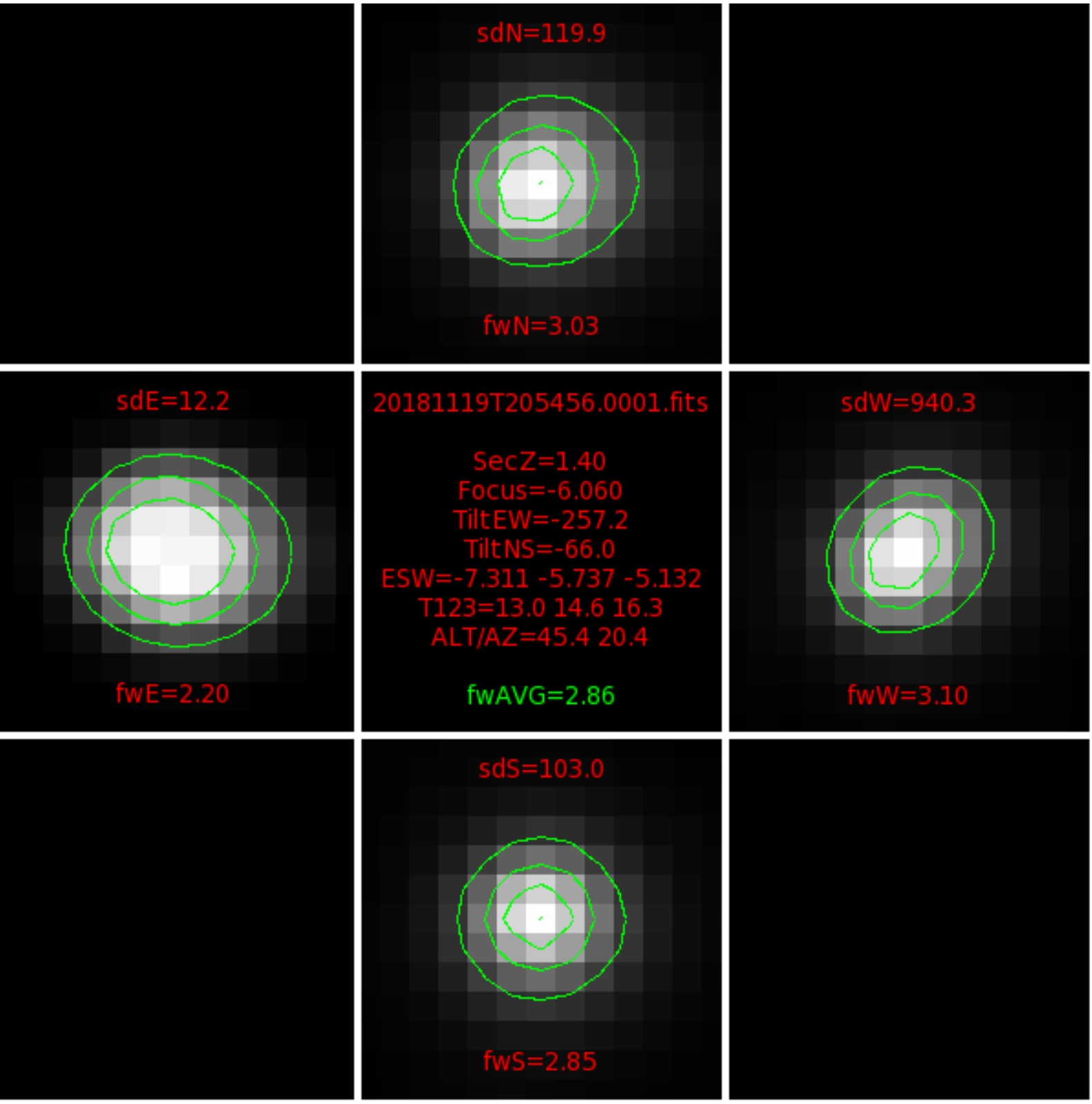
sdN=119.9
fwN=3.03
sdE=12.2
fwE=2.20
20181119T205456.0001.fits
SecZ=1.40
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.0 14.6 16.3
ALT/AZ=45.4 20.4
fwAVG=2.86
sdW=940.3
fwW=3.10
sdS=103.0
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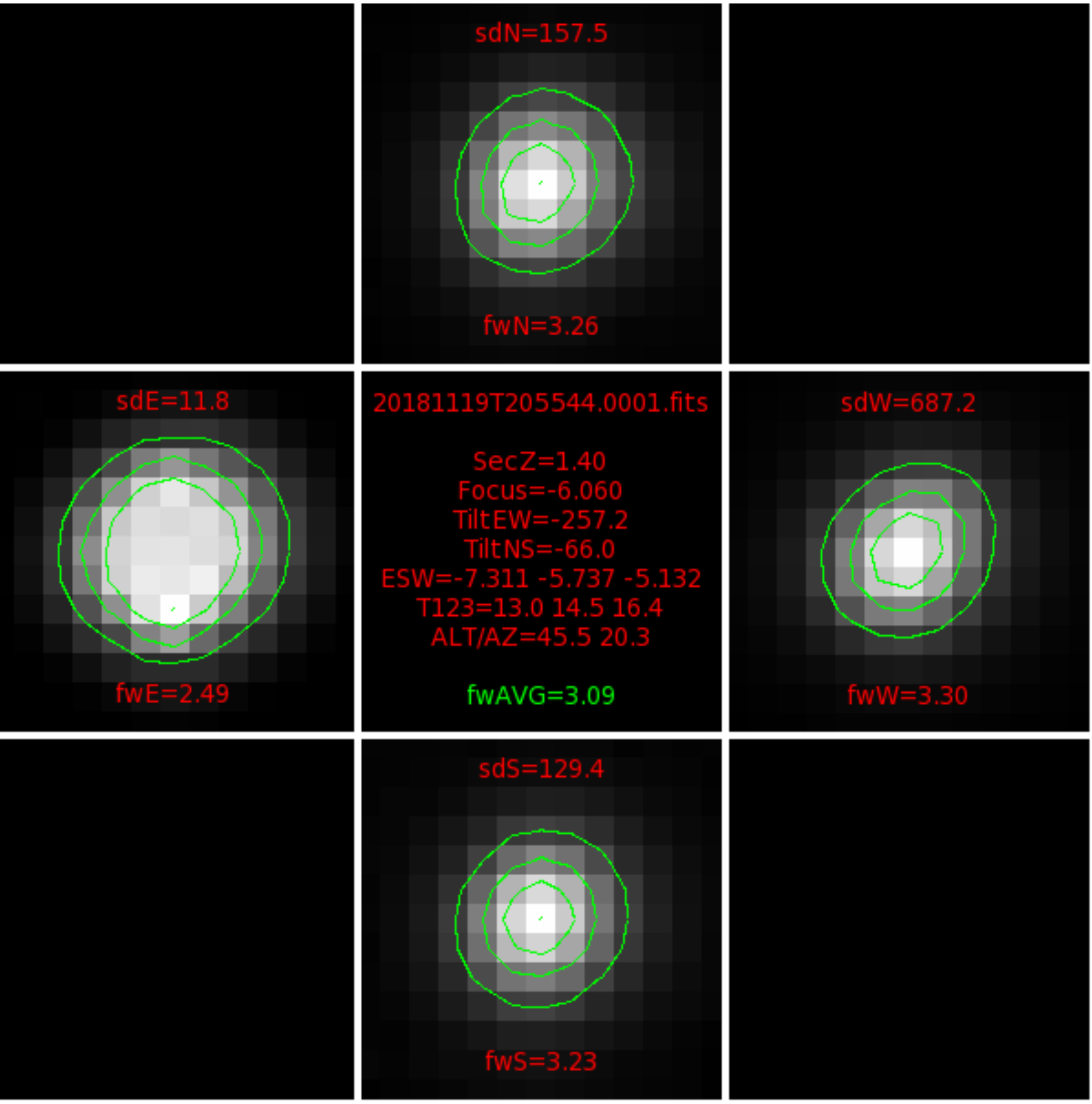
sdN=157.5
fwN=3.26
sdE=11.8
fwE=2.49
20181119T205544.0001.fits
SecZ=1.40
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.0 14.5 16.4
ALT/AZ=45.5 20.3
fwAVG=3.09
sdW=687.2
fwW=3.30
sdS=129.4
fwS=3.23
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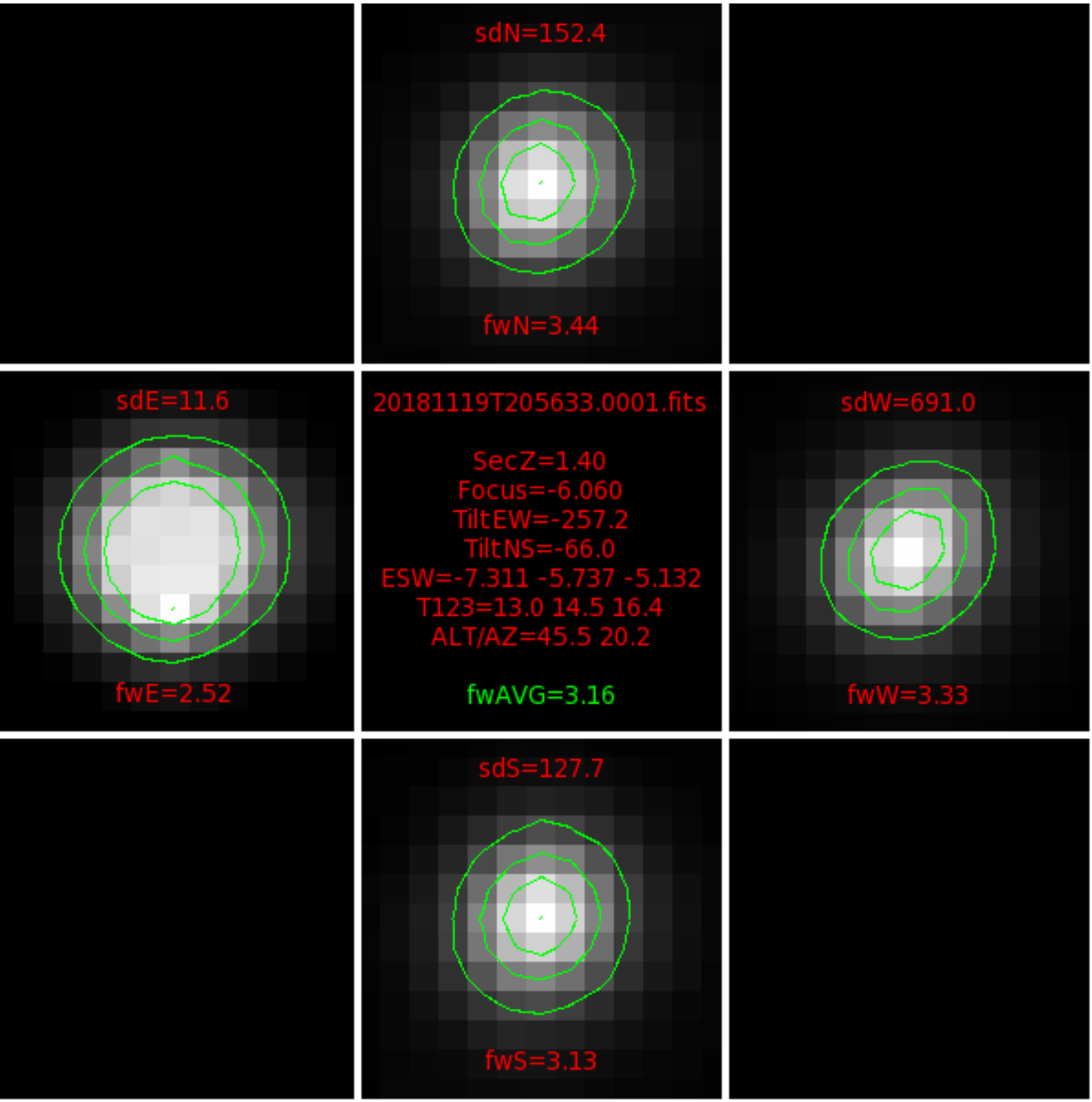
sdN=152.4
fwN=3.44
sdE=11.6
fwE=2.52
20181119T205633.0001.fits
SecZ=1.40
Focus=-6.060
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.311 -5.737 -5.132
T123=13.0 14.5 16.4
ALT/AZ=45.5 20.2
fwAVG=3.16
sdW=691.0
fwW=3.33
sdS=127.7
fwS=3.13
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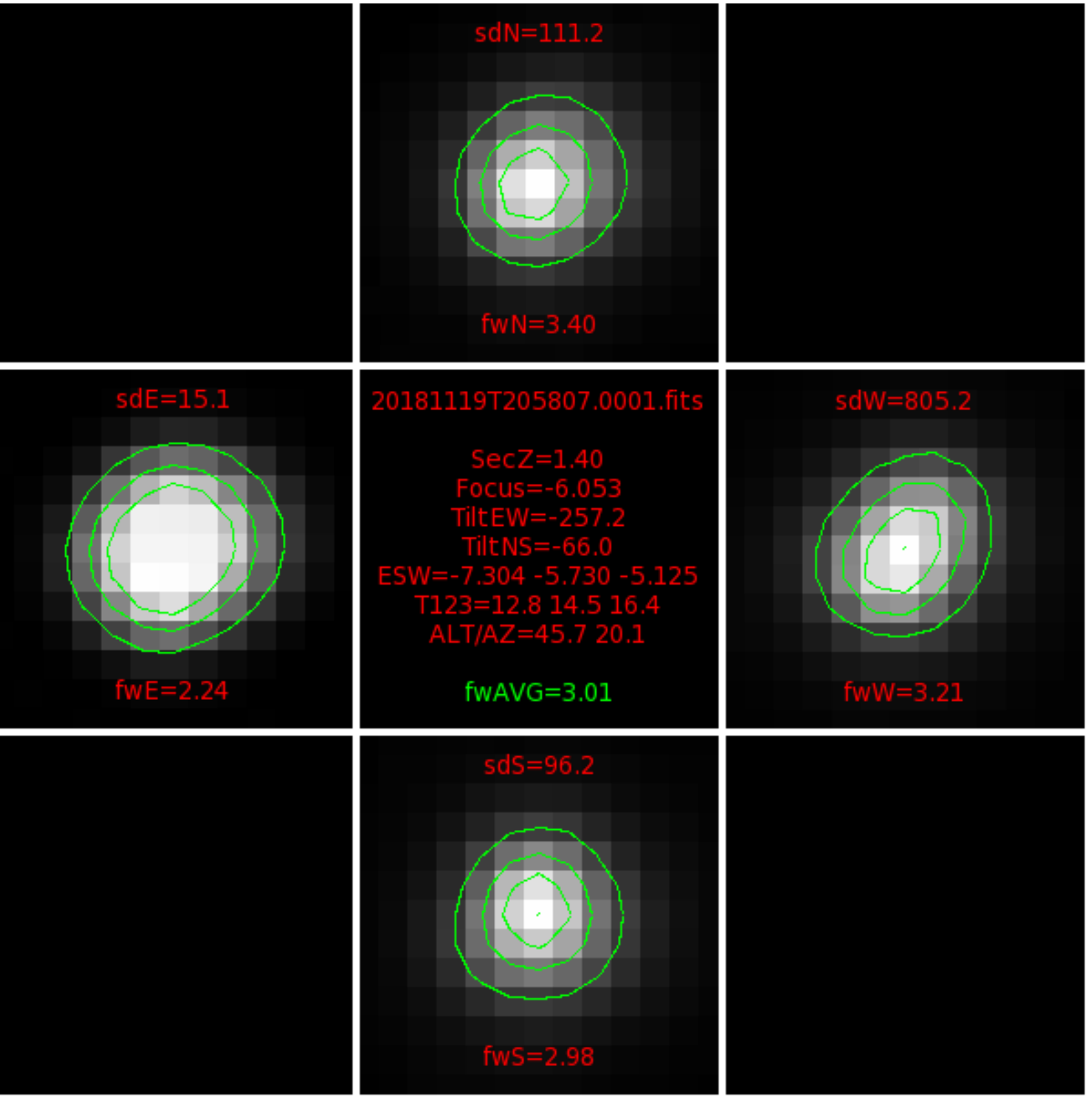
sdN=111.2
fwN=3.40
sdE=15.1
fwE=2.24
20181119T205807.0001.fits
SecZ=1.40
Focus=-6.053
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.304 -5.730 -5.125
T123=12.8 14.5 16.4
ALT/AZ=45.7 20.1
fwAVG=3.01
sdW=805.2
fwW=3.21
sdS=96.2
fwS=2.98
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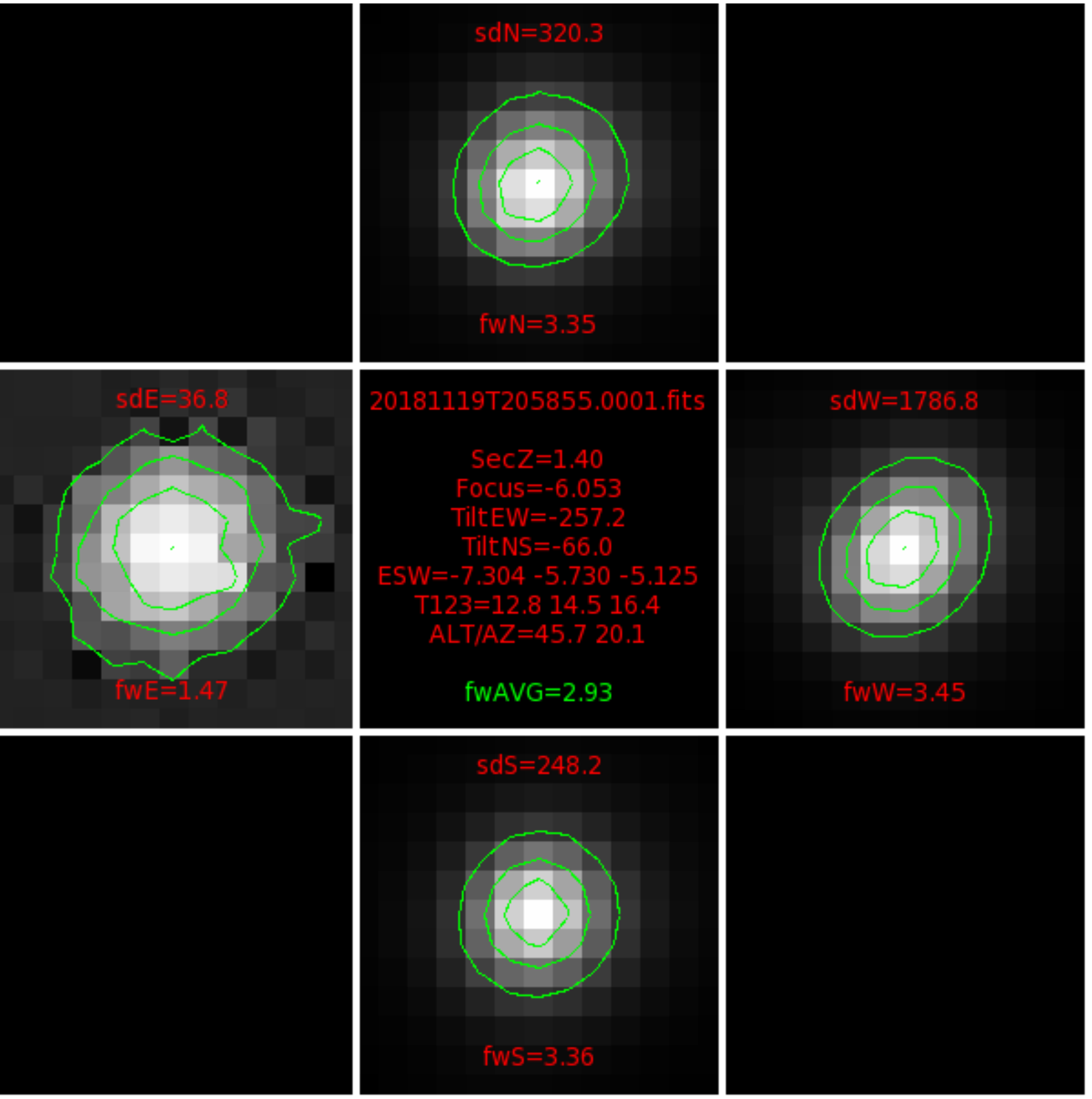
sdN=320.3
fwN=3.35
sdE=36.8
fwE=1.47
20181119T205855.0001.fits
SecZ=1.40
Focus=-6.053
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.304 -5.730 -5.125
T123=12.8 14.5 16.4
ALT/AZ=45.7 20.1
fwAVG=2.93
sdW=1786.8
fwW=3.45
sdS=248.2
fwS=3.36
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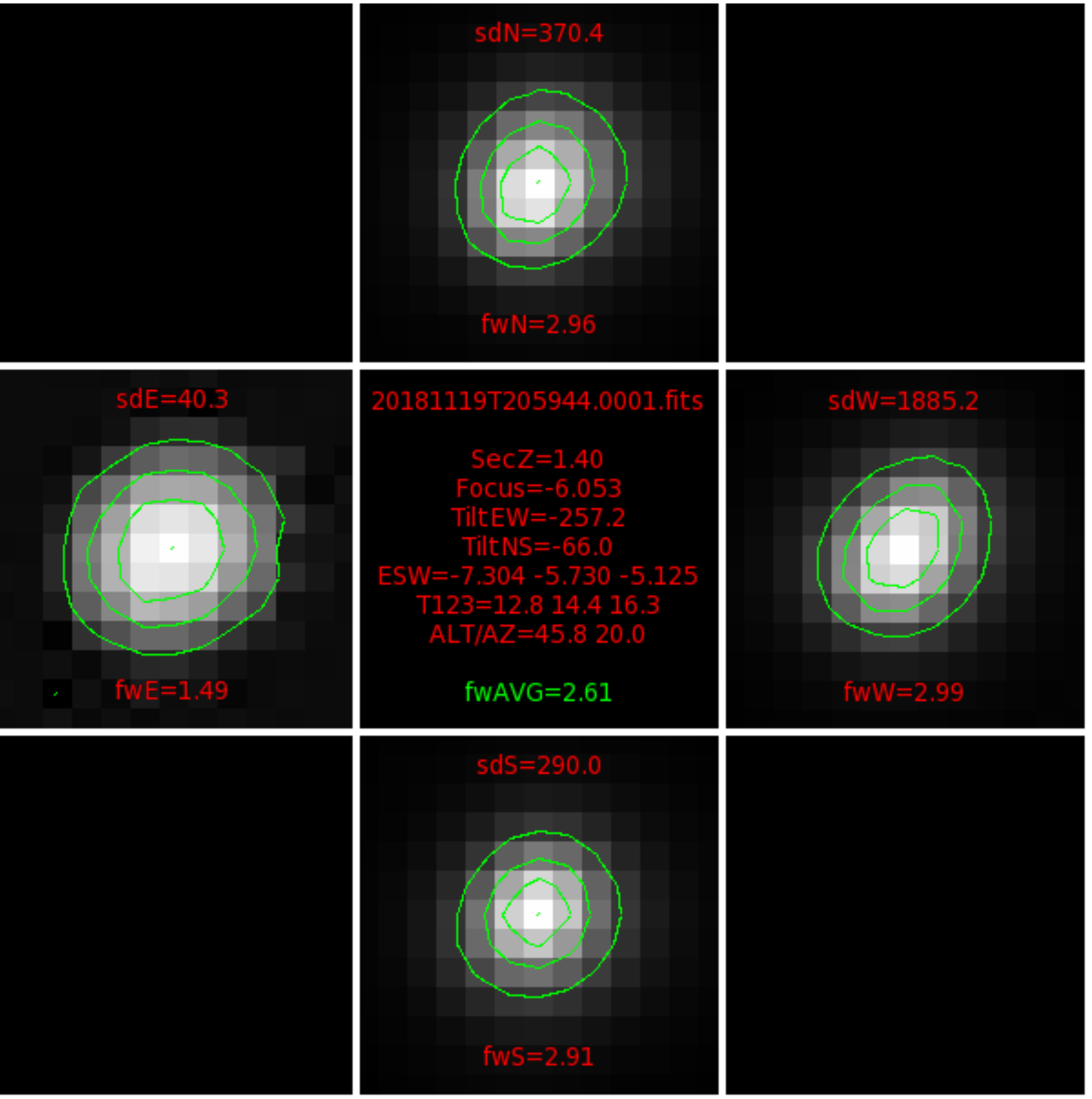
sdN=370.4
fwN=2.96
sdE=40.3
fwE=1.49
20181119T205944.0001.fits
SecZ=1.40
Focus=-6.053
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.304 -5.730 -5.125
T123=12.8 14.4 16.3
ALT/AZ=45.8 20.0
fwAVG=2.61
sdW=1885.2
fwW=2.99
sdS=290.0
fwS=2.91
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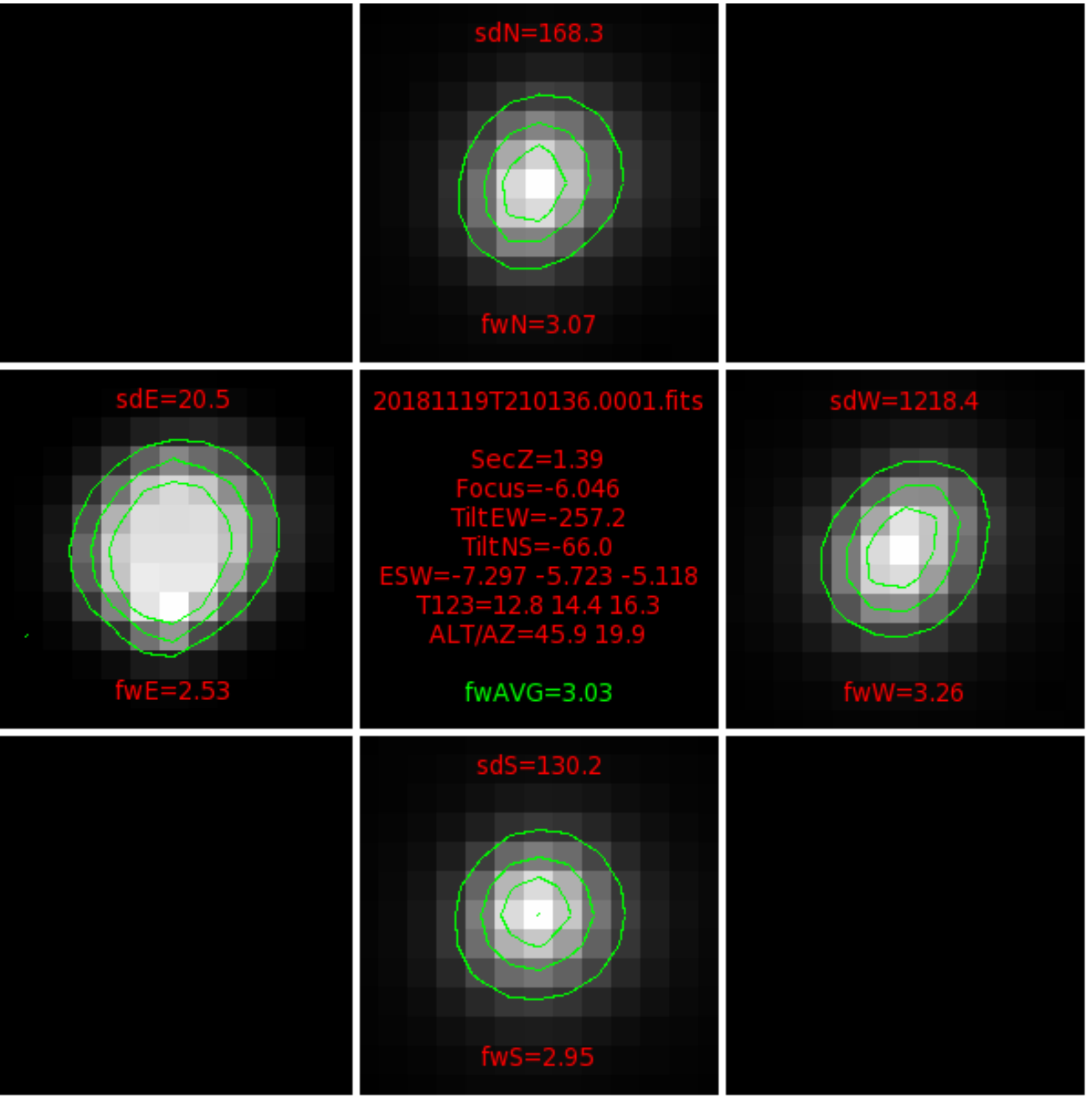
sdN=168.3
fwN=3.07
sdE=20.5
fwE=2.53
20181119T210136.0001.fits
SecZ=1.39
Focus=-6.046
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.297 -5.723 -5.118
T123=12.8 14.4 16.3
ALT/AZ=45.9 19.9
fwAVG=3.03
sdW=1218.4
fwW=3.26
sdS=130.2
fwS=2.95
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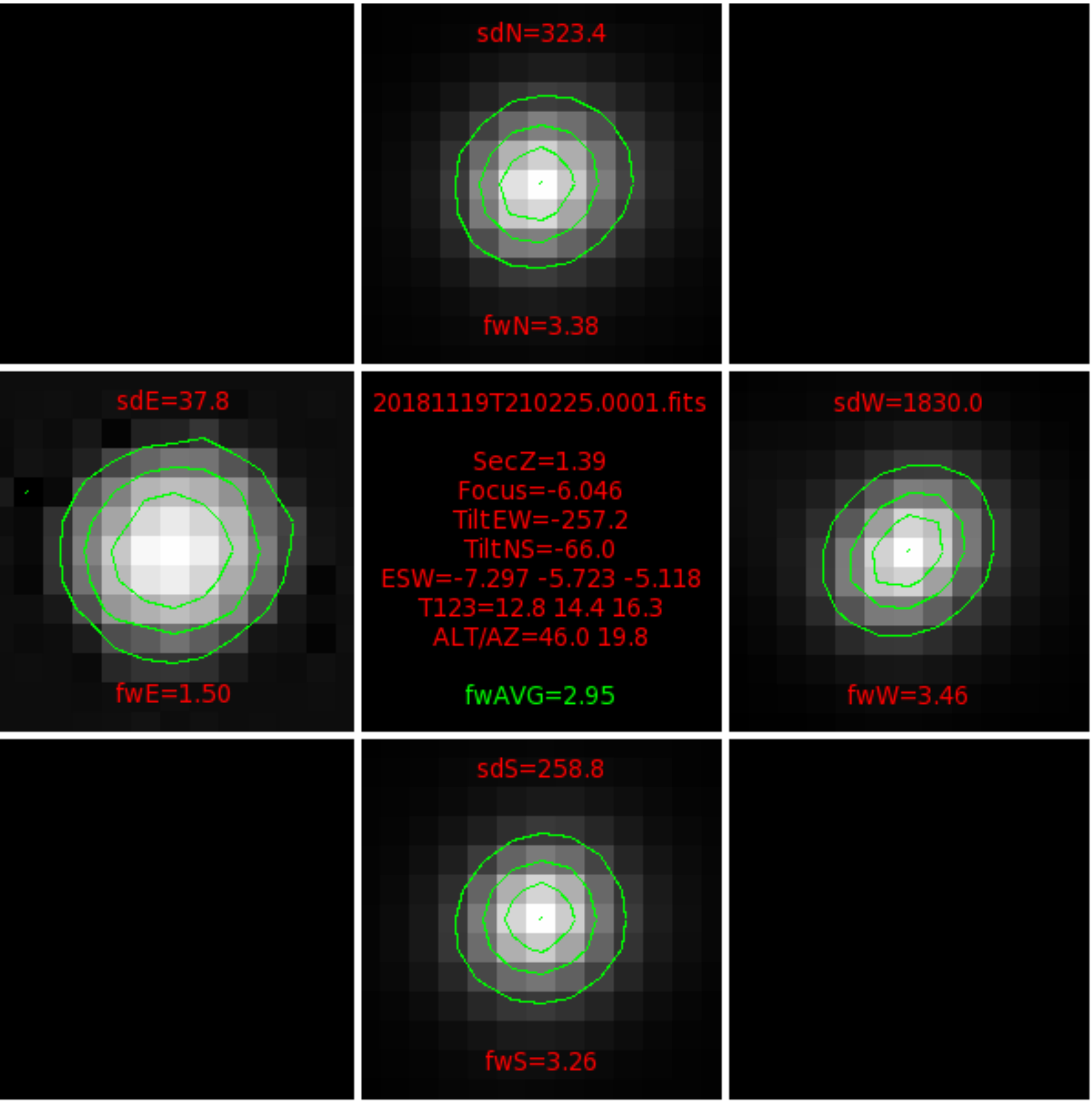
sdN=323.4
fwN=3.38
sdE=37.8
fwE=1.50
20181119T210225.0001.fits
SecZ=1.39
Focus=-6.046
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.297 -5.723 -5.118
T123=12.8 14.4 16.3
ALT/AZ=46.0 19.8
fwAVG=2.95
sdW=1830.0
fwW=3.46
sdS=258.8
fwS=3.26
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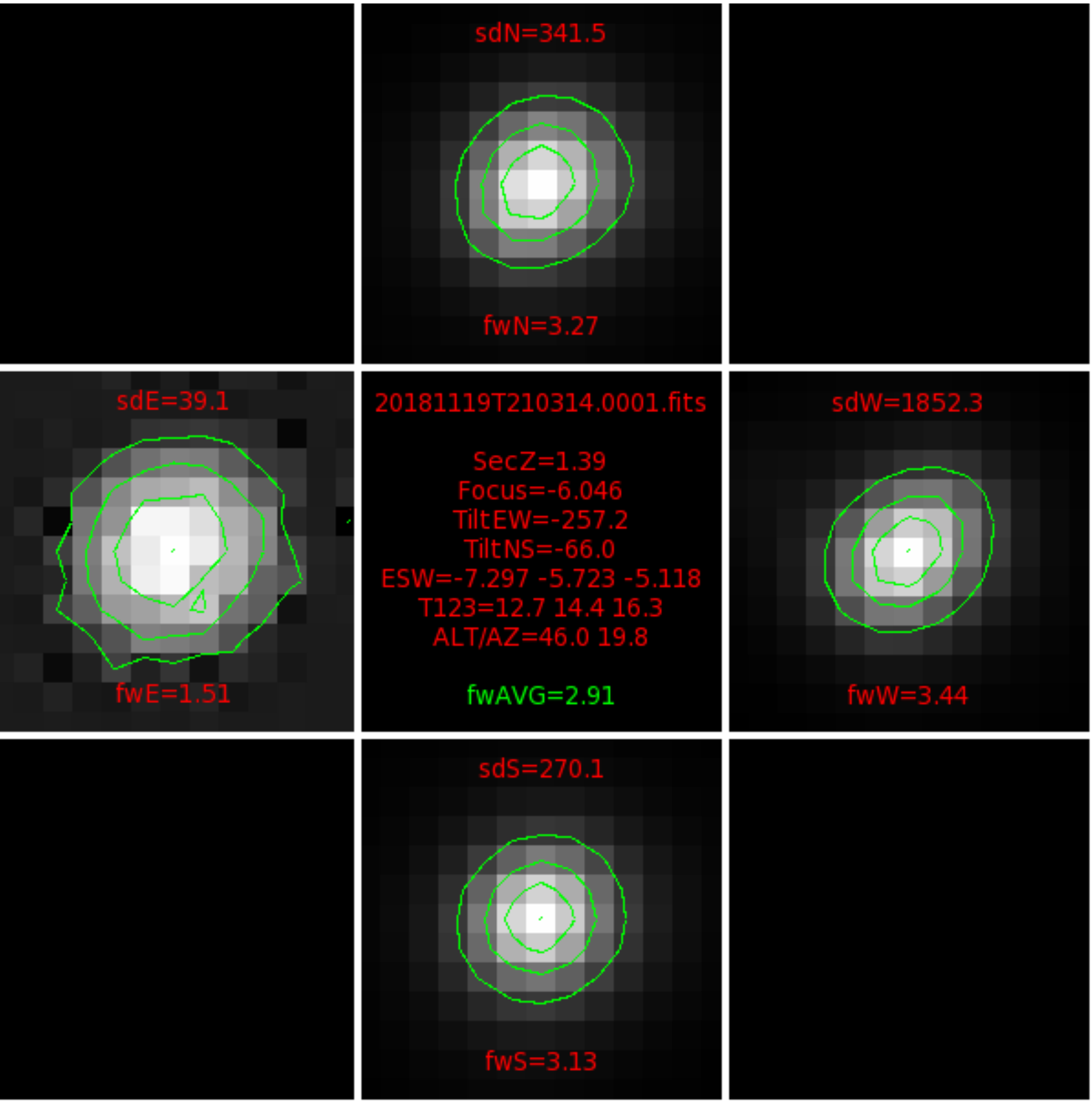
sdN=341.5
fwN=3.27
sdE=39.1
fwE=1.51
20181119T210314.0001.fits
SecZ=1.39
Focus=-6.046
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.297 -5.723 -5.118
T123=12.7 14.4 16.3
ALT/AZ=46.0 19.8
fwAVG=2.91
sdW=1852.3
fwW=3.44
sdS=270.1
fwS=3.13
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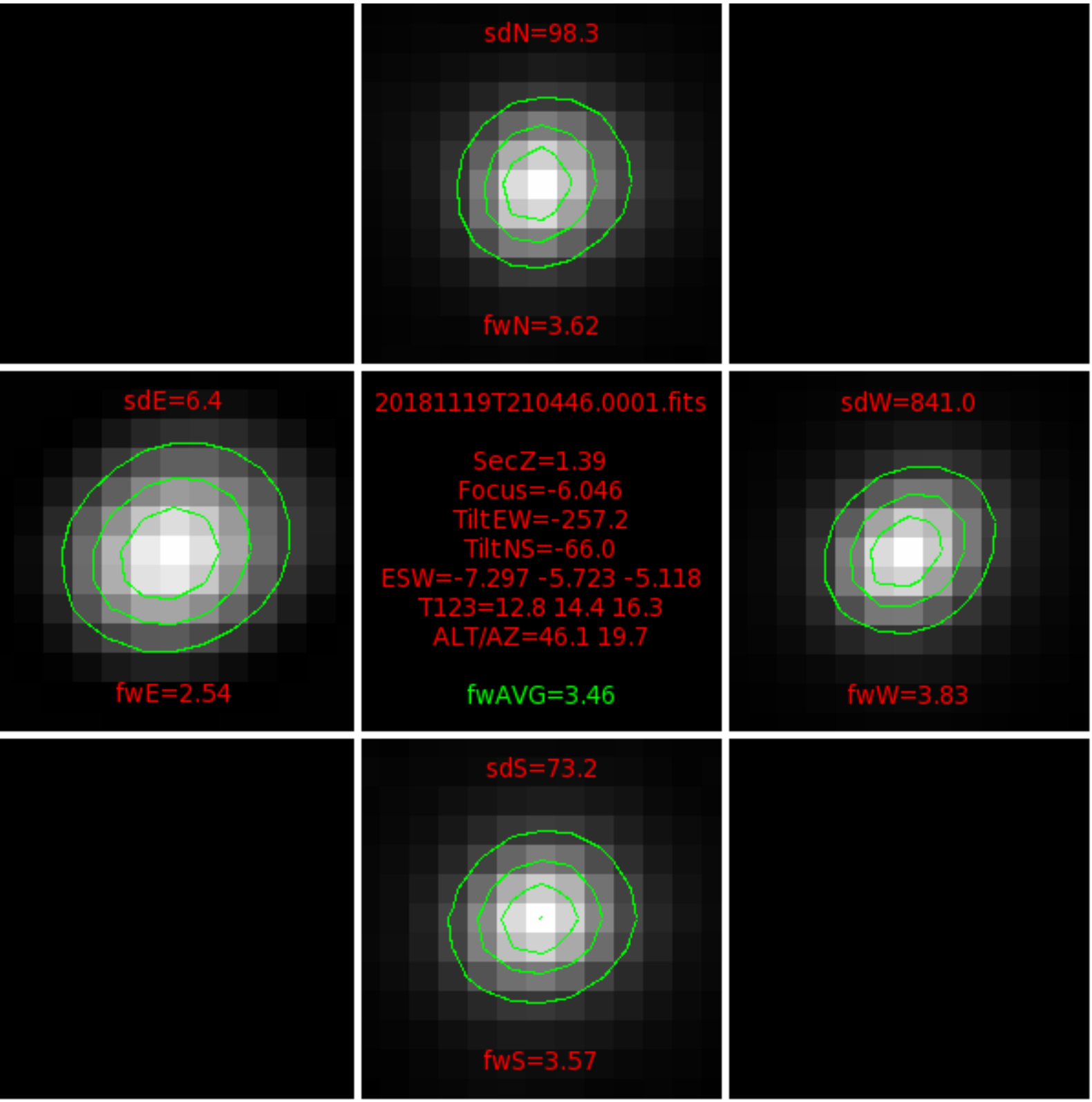
sdN=98.3
fwN=3.62
sdE=6.4
fwE=2.54
20181119T210446.0001.fits
SecZ=1.39
Focus=-6.046
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.297 -5.723 -5.118
T123=12.8 14.4 16.3
ALT/AZ=46.1 19.7
fwAVG=3.46
sdW=841.0
fwW=3.83
sdS=73.2
fwS=3.57
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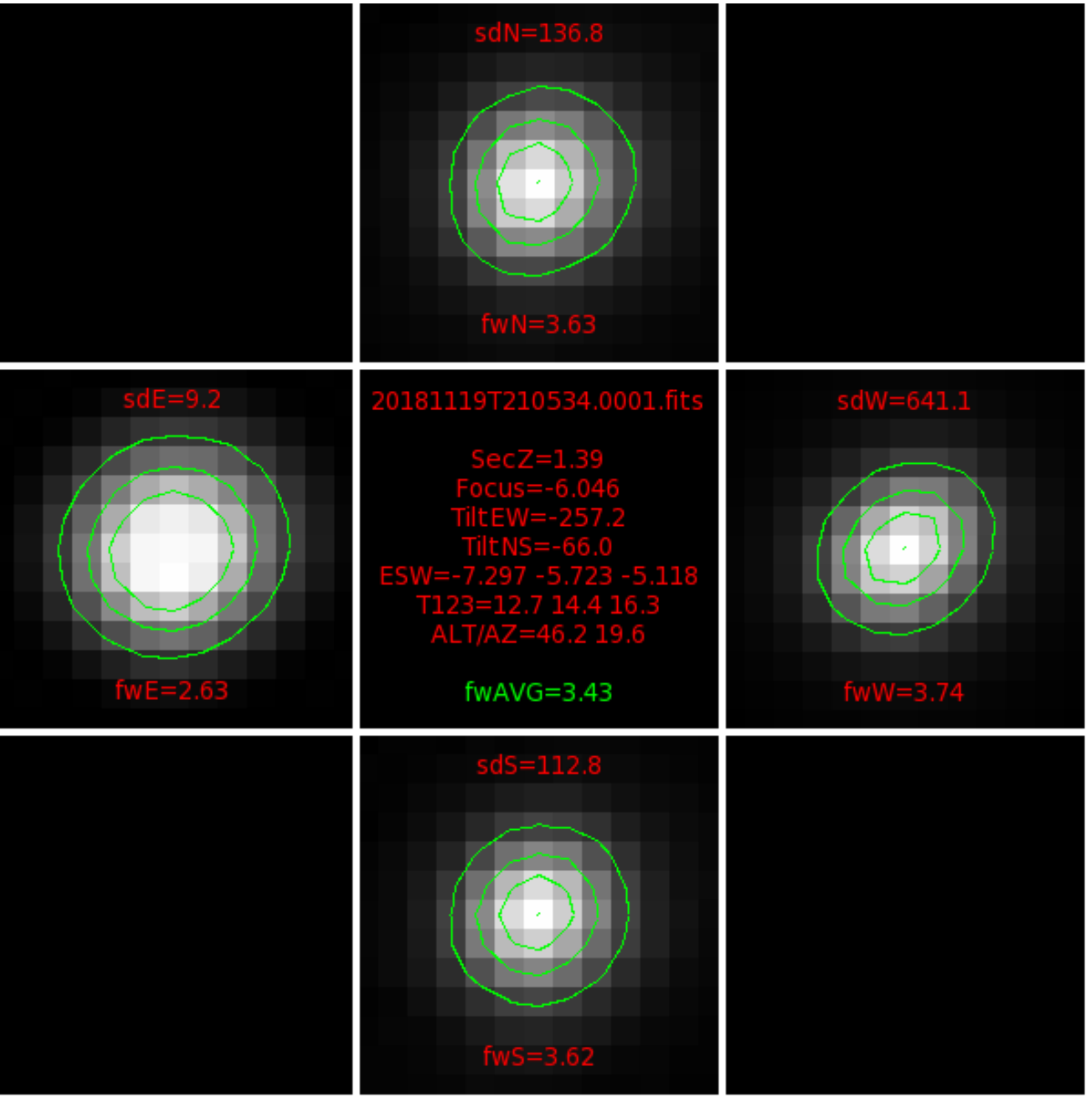
sdN=136.8
fwN=3.63
sdE=9.2
fwE=2.63
20181119T210534.0001.fits
SecZ=1.39
Focus=-6.046
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.297 -5.723 -5.118
T123=12.7 14.4 16.3
ALT/AZ=46.2 19.6
fwAVG=3.43
sdW=641.1
fwW=3.74
sdS=112.8
fwS=3.62
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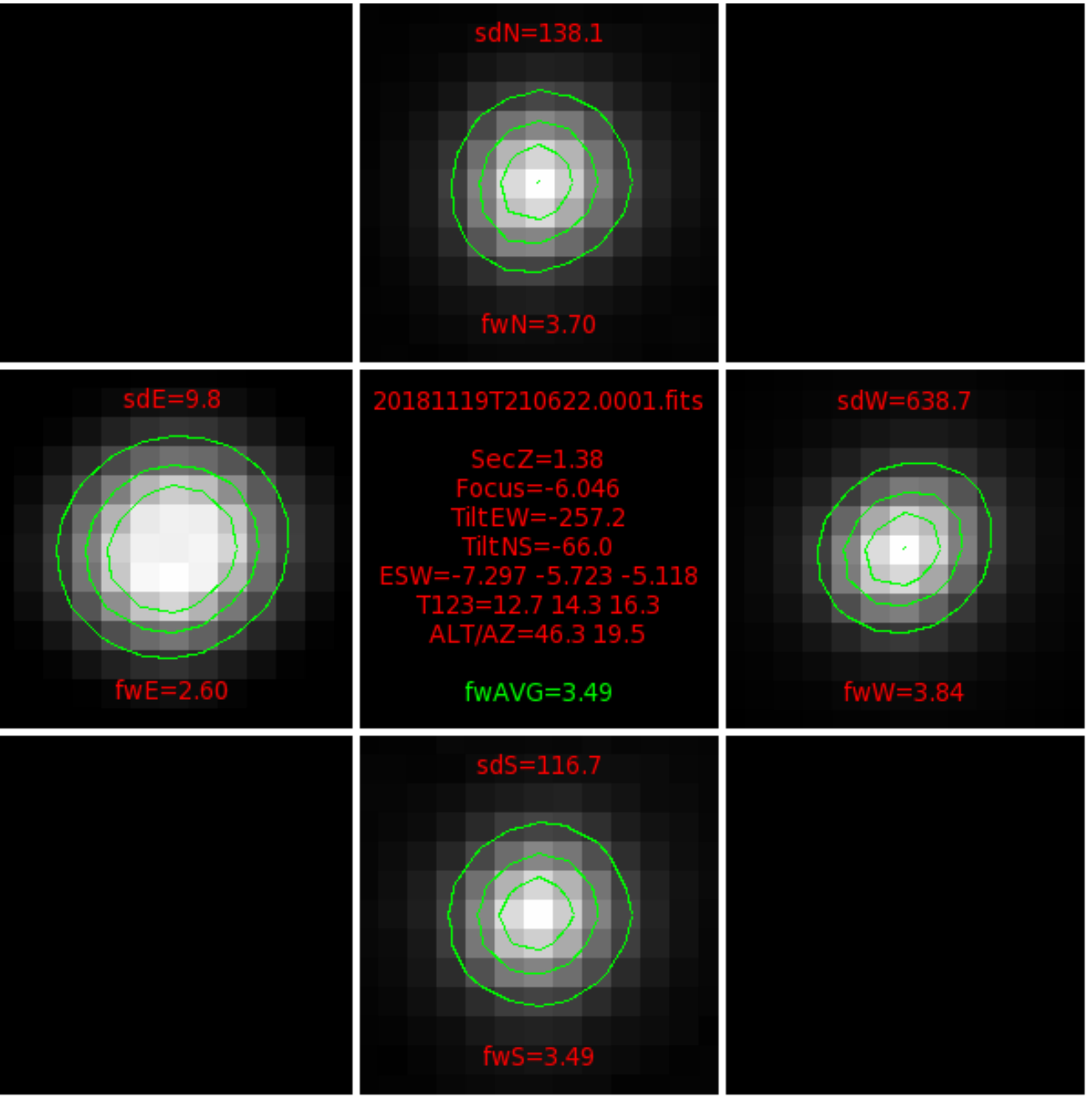
sdN=138.1
fwN=3.70
sdE=9.8
fwE=2.60
20181119T210622.0001.fits
SecZ=1.38
Focus=-6.046
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.297 -5.723 -5.118
T123=12.7 14.3 16.3
ALT/AZ=46.3 19.5
fwAVG=3.49
sdW=638.7
fwW=3.84
sdS=116.7
fwS=3.49
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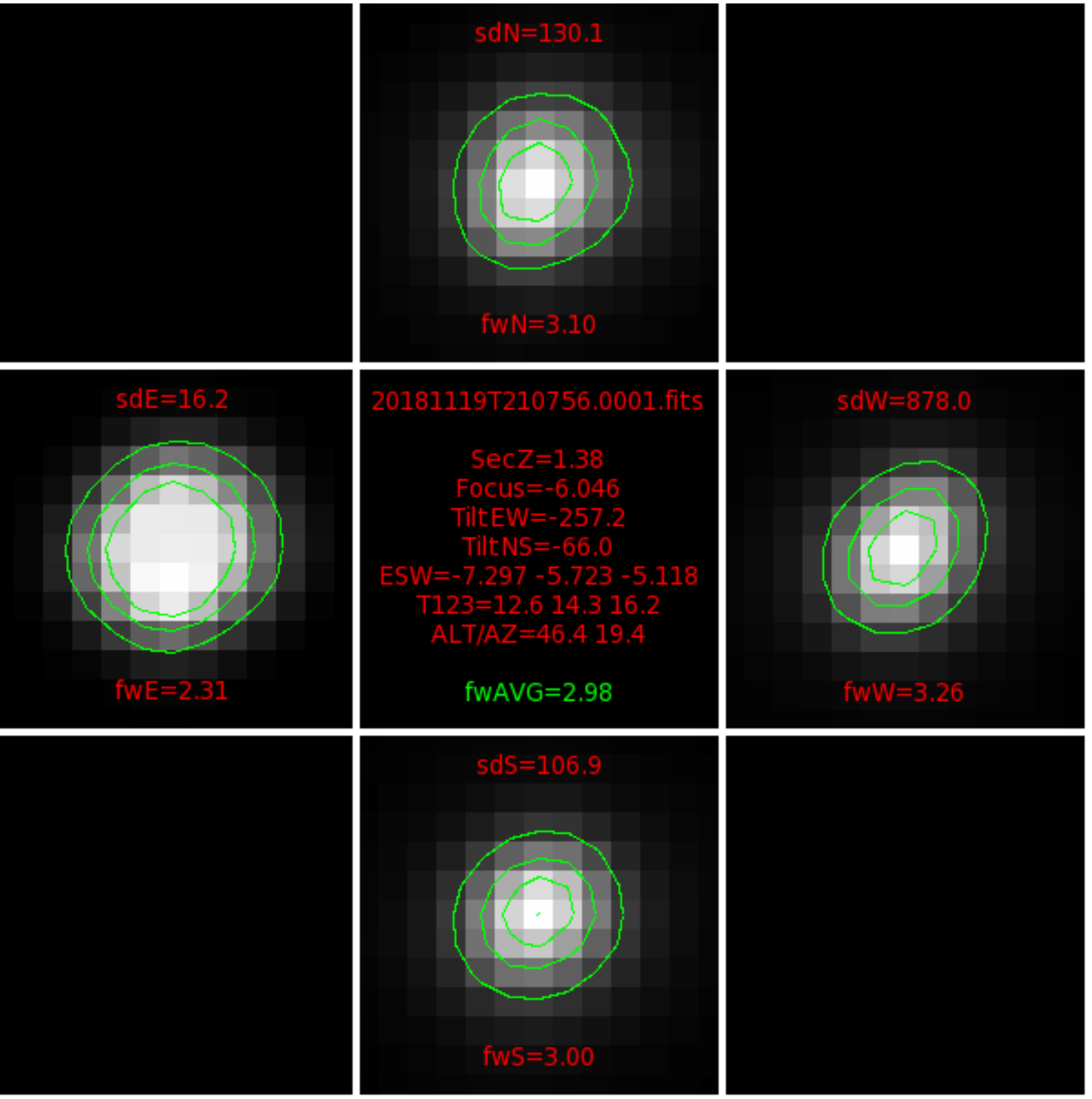
sdN=130.1
fwN=3.10
sdE=16.2
fwE=2.31
20181119T210756.0001.fits
SecZ=1.38
Focus=-6.046
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.297 -5.723 -5.118
T123=12.6 14.3 16.2
ALT/AZ=46.4 19.4
fwAVG=2.98
sdW=878.0
fwW=3.26
sdS=106.9
fwS=3.00
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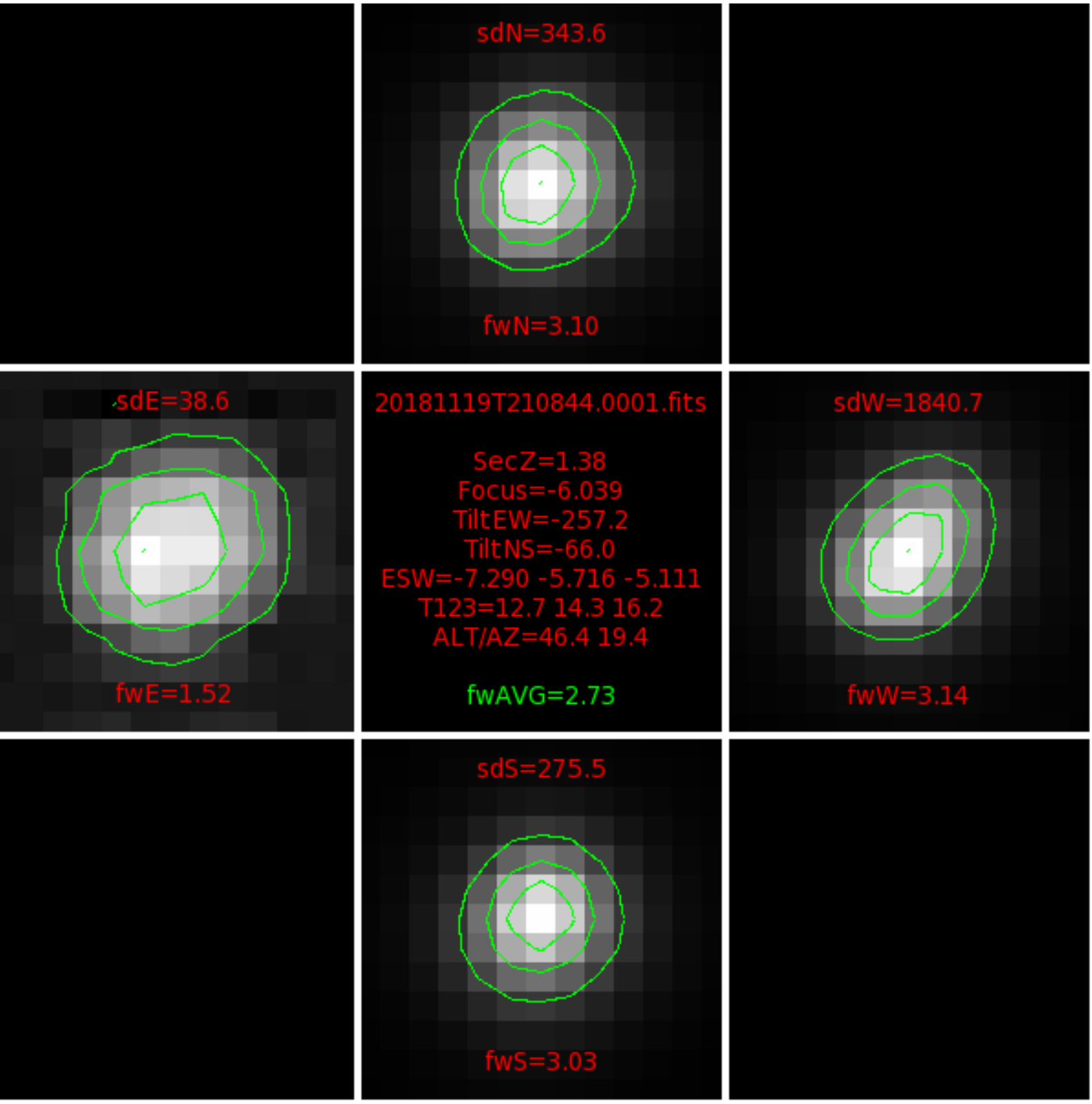
sdN=343.6
fwN=3.10
sdE=38.6
fwE=1.52
20181119T210844.0001.fits
SecZ=1.38
Focus=-6.039
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.290 -5.716 -5.111
T123=12.7 14.3 16.2
ALT/AZ=46.4 19.4
fwAVG=2.73
sdW=1840.7
fwW=3.14
sdS=275.5
fwS=3.03
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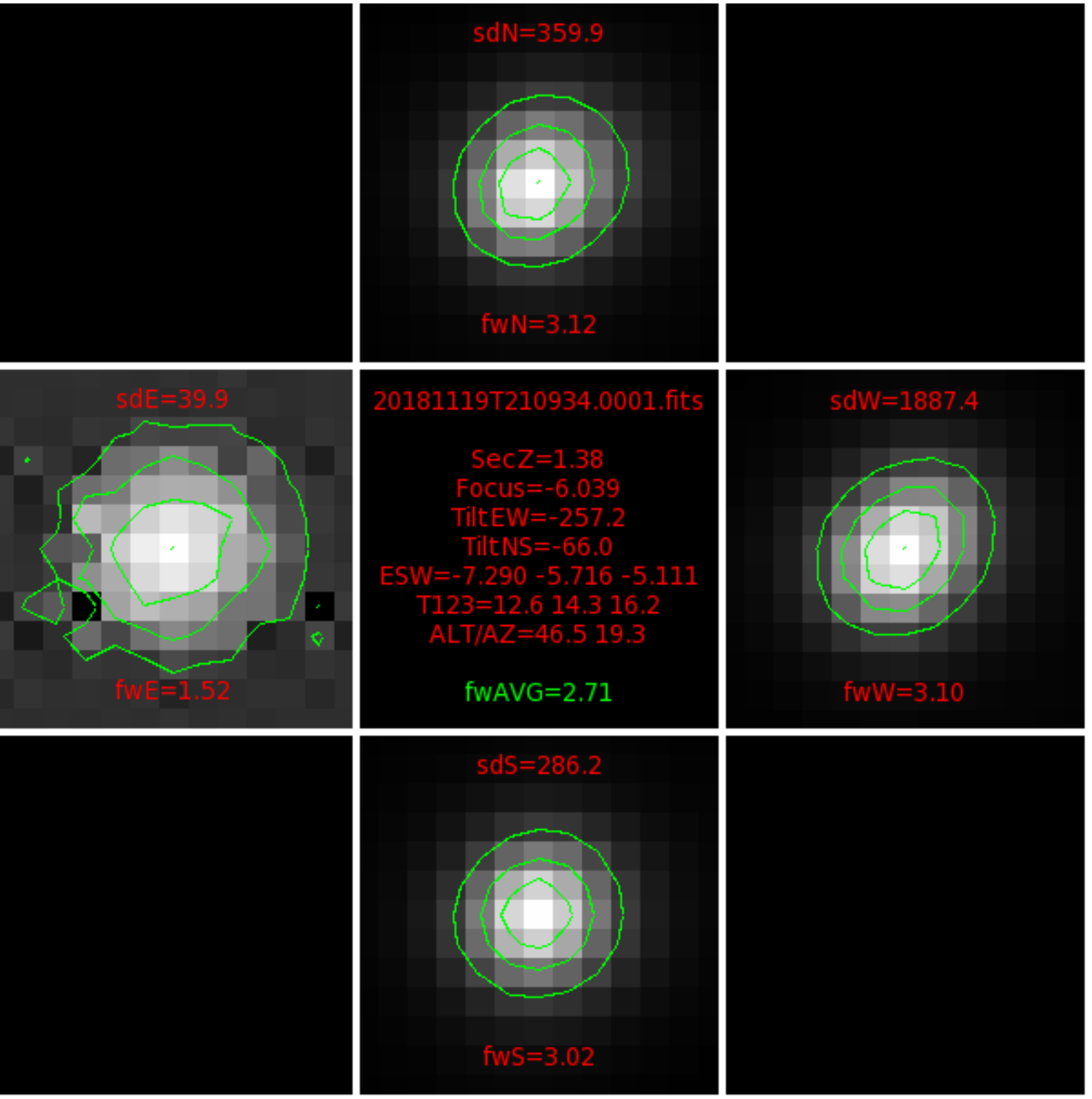
sdN=359.9
fwN=3.12
sdE=39.9
fwE=1.52
20181119T210934.0001.fits
SecZ=1.38
Focus=-6.039
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.290 -5.716 -5.111
T123=12.6 14.3 16.2
ALT/AZ=46.5 19.3
fwAVG=2.71
sdW=1887.4
fwW=3.10
sdS=286.2
fwS=3.02
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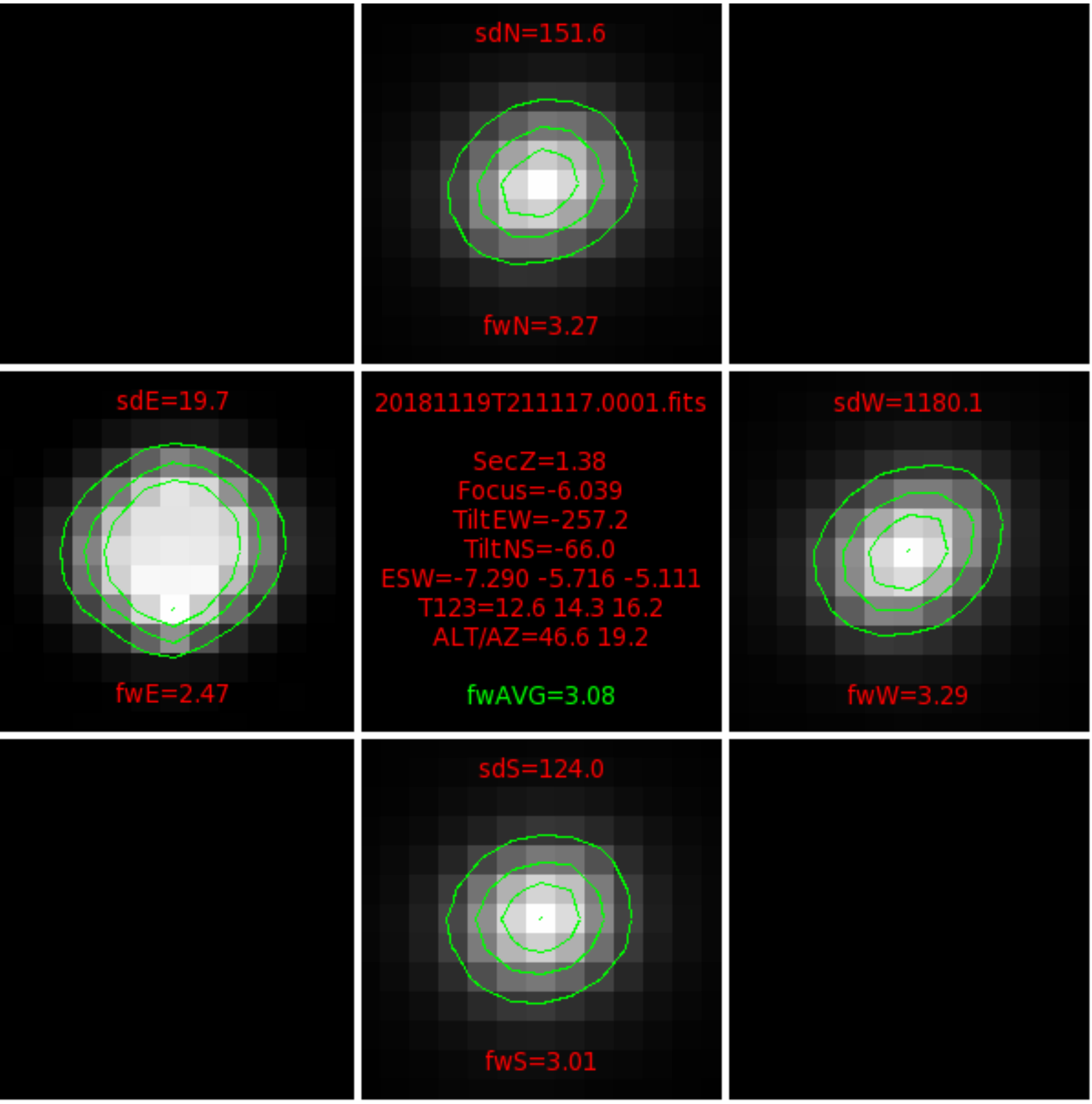
sdN=151.6
fwN=3.27
sdE=19.7
fwE=2.47
20181119T211117.0001.fits
SecZ=1.38
Focus=-6.039
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.290 -5.716 -5.111
T123=12.6 14.3 16.2
ALT/AZ=46.6 19.2
fwAVG=3.08
sdW=1180.1
fwW=3.29
sdS=124.0
fwS=3.01
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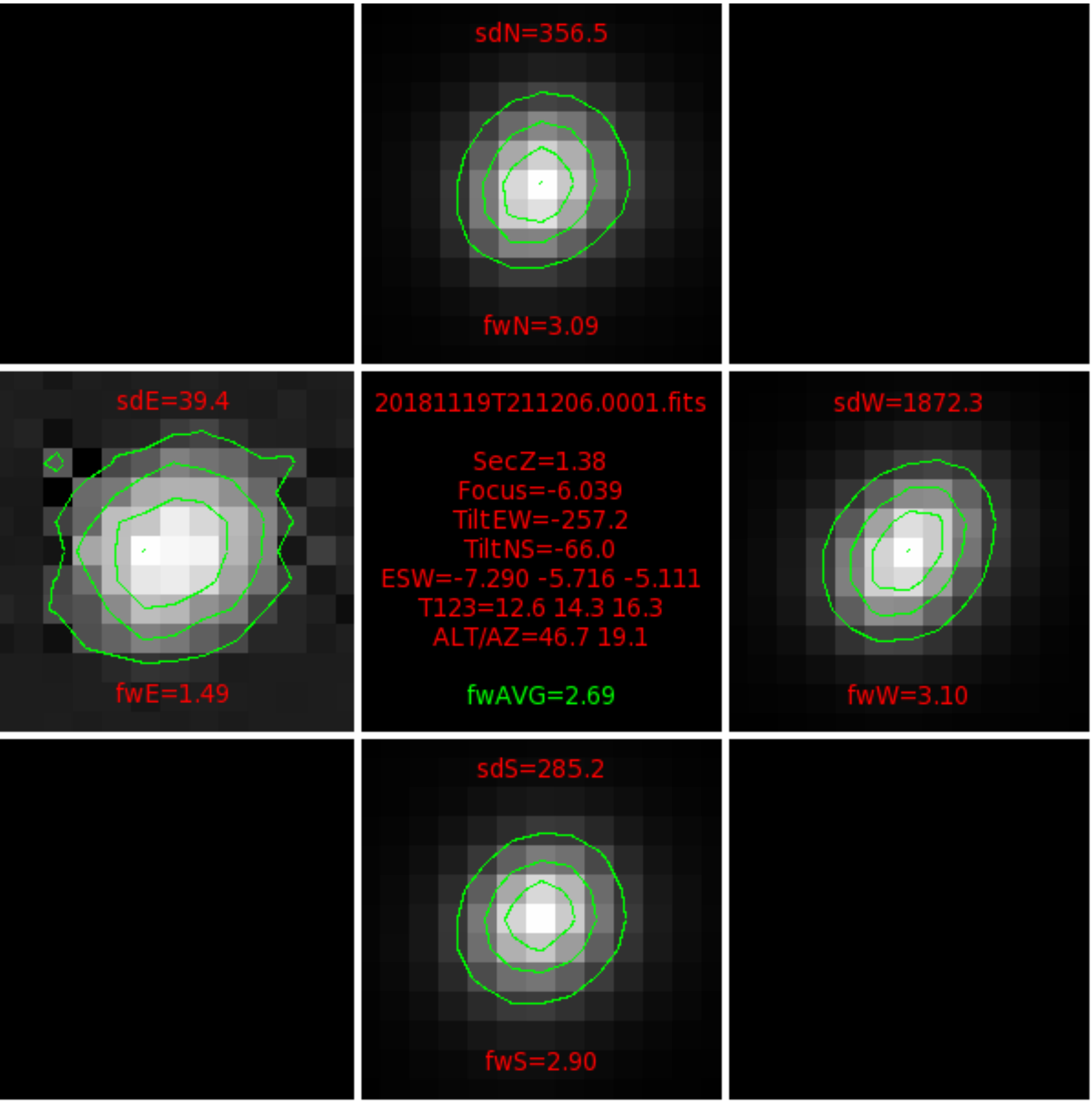
sdN=356.5
fwN=3.09
sdE=39.4
fwE=1.49
20181119T211206.0001.fits
SecZ=1.38
Focus=-6.039
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.290 -5.716 -5.111
T123=12.6 14.3 16.3
ALT/AZ=46.7 19.1
fwAVG=2.69
sdW=1872.3
fwW=3.10
sdS=285.2
fwS=2.90
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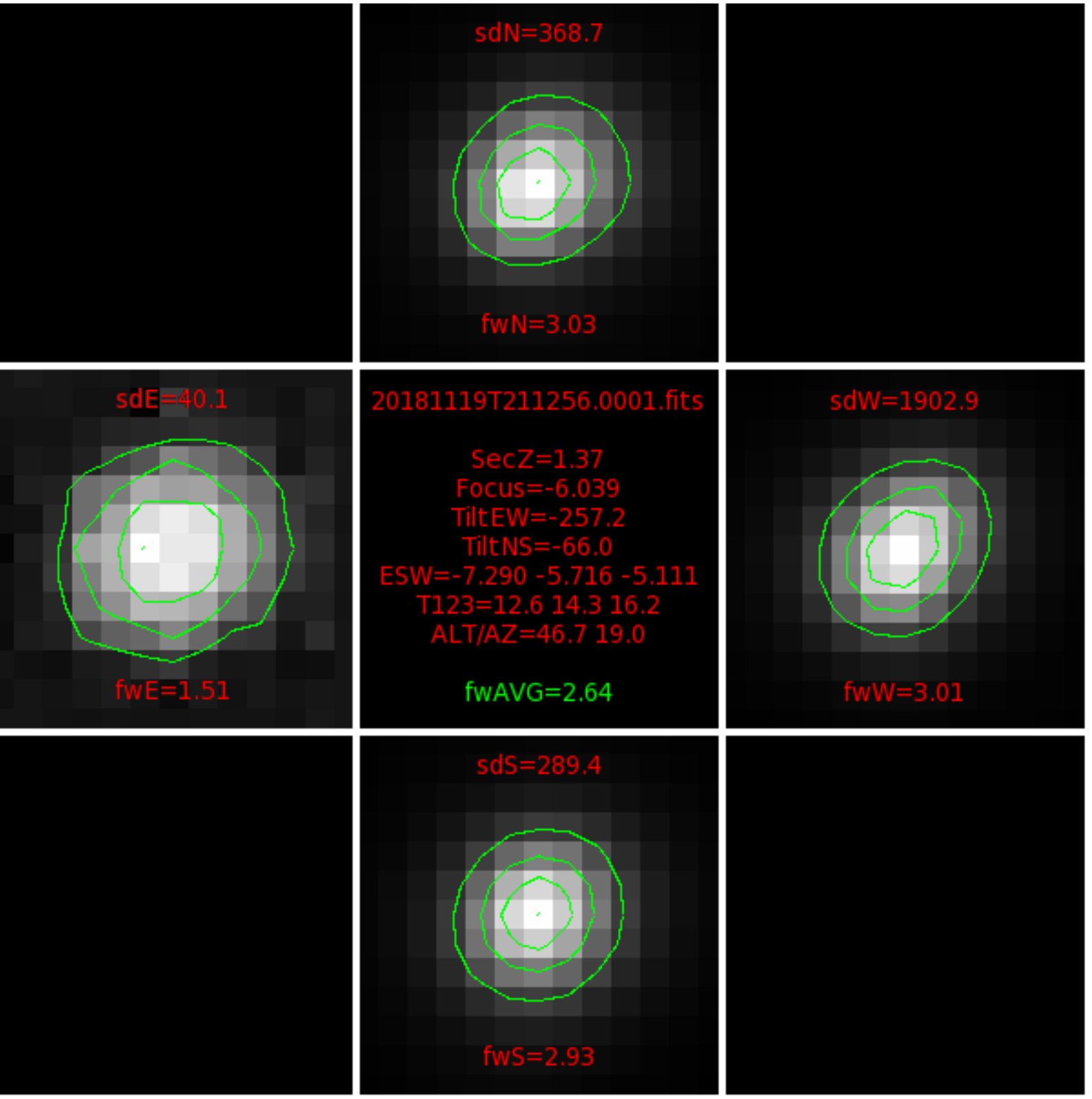
sdN=368.7
fwN=3.03
sdE=40.1
fwE=1.51
20181119T211256.0001.fits
SecZ=1.37
Focus=-6.039
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.290 -5.716 -5.111
T123=12.6 14.3 16.2
ALT/AZ=46.7 19.0
fwAVG=2.64
sdW=1902.9
fwW=3.01
sdS=289.4
fwS=2.93
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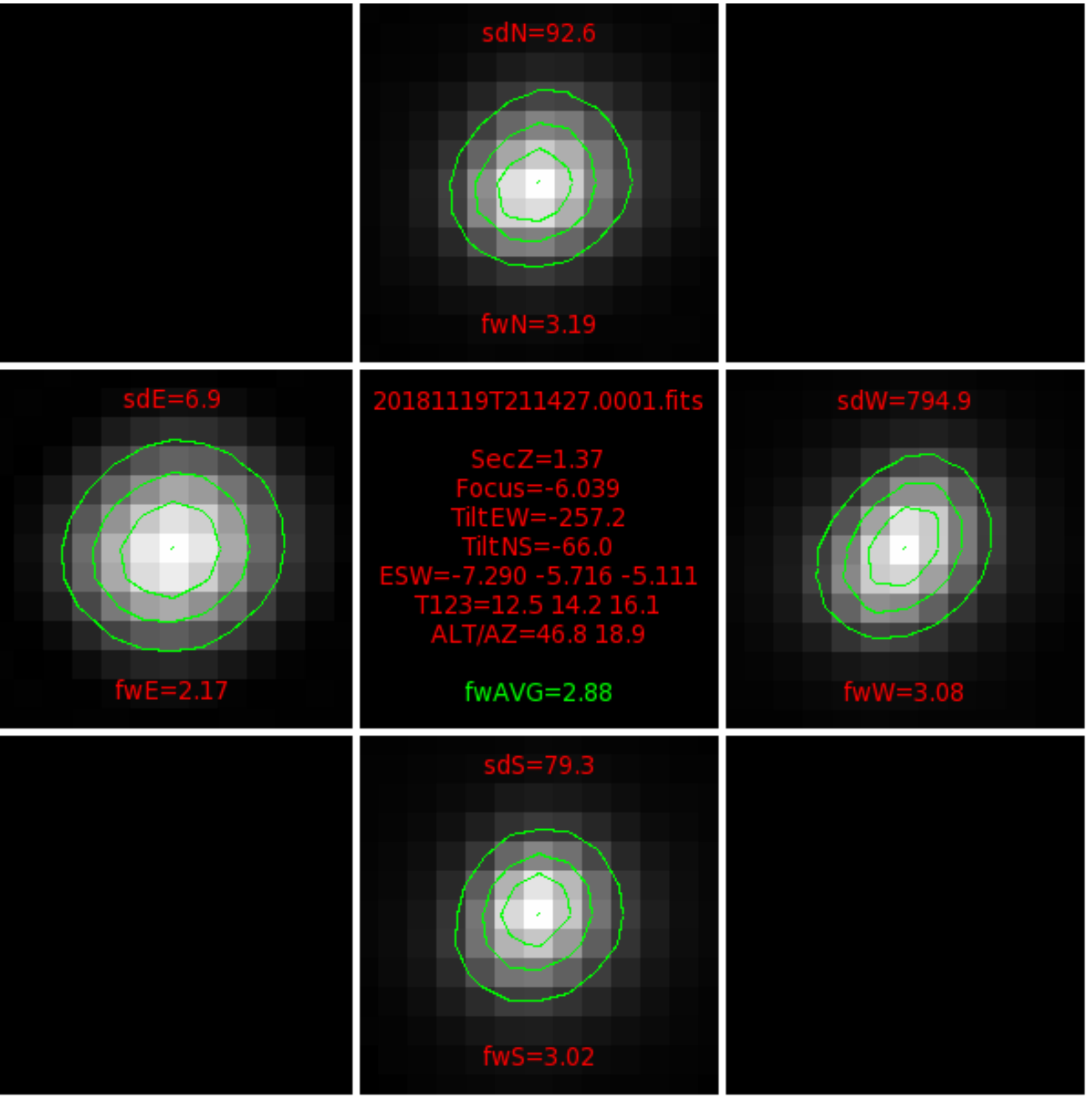
sdN=92.6
fwN=3.19
sdE=6.9
fwE=2.17
20181119T211427.0001.fits
SecZ=1.37
Focus=-6.039
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.290 -5.716 -5.111
T123=12.5 14.2 16.1
ALT/AZ=46.8 18.9
fwAVG=2.88
sdW=794.9
fwW=3.08
sdS=79.3
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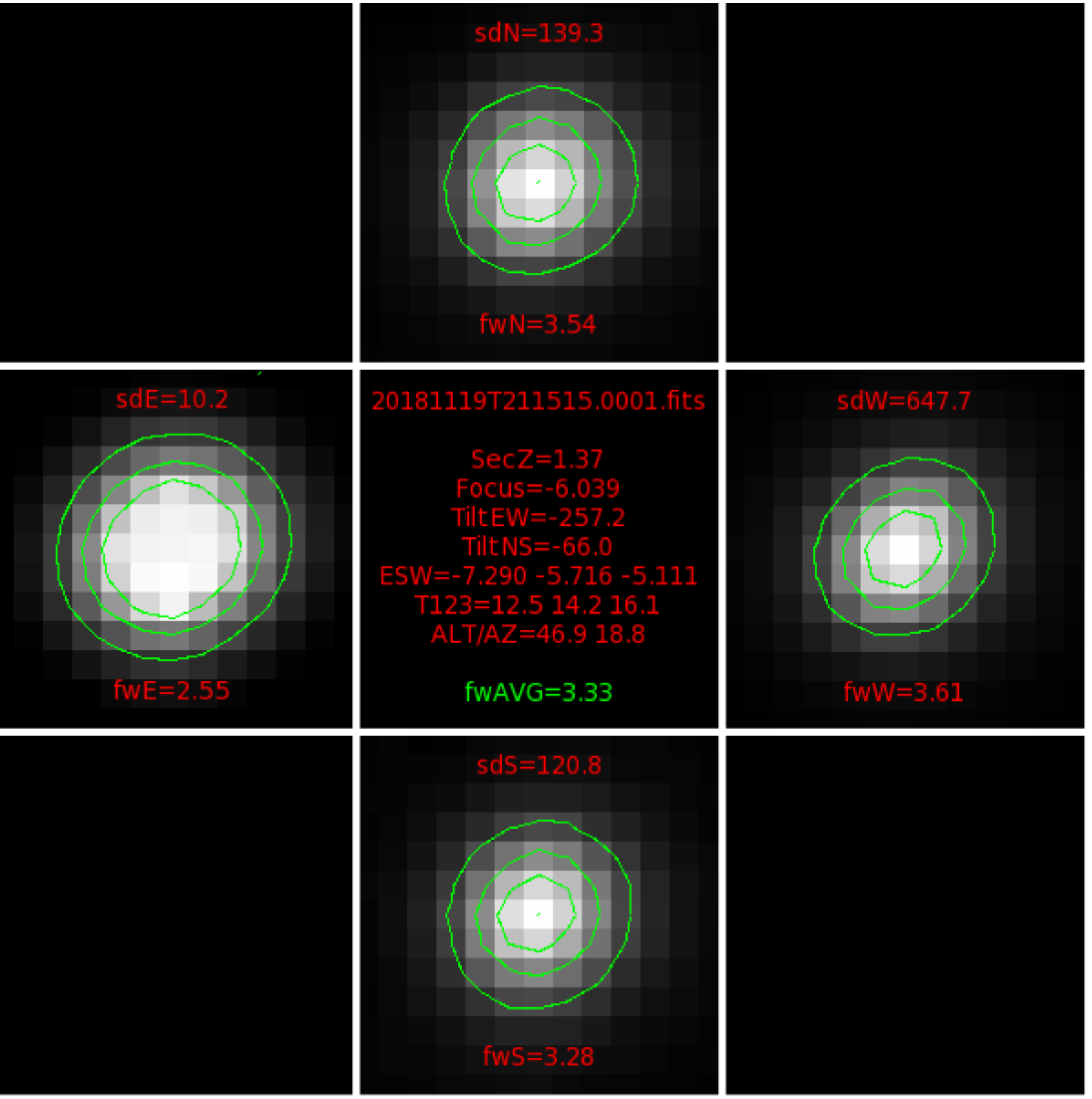
sdN=139.3
fwN=3.54
sdE=10.2
fwE=2.55
20181119T211515.0001.fits
SecZ=1.37
Focus=-6.039
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.290 -5.716 -5.111
T123=12.5 14.2 16.1
ALT/AZ=46.9 18.8
fwAVG=3.33
sdW=647.7
fwW=3.61
sdS=120.8
fwS=3.28
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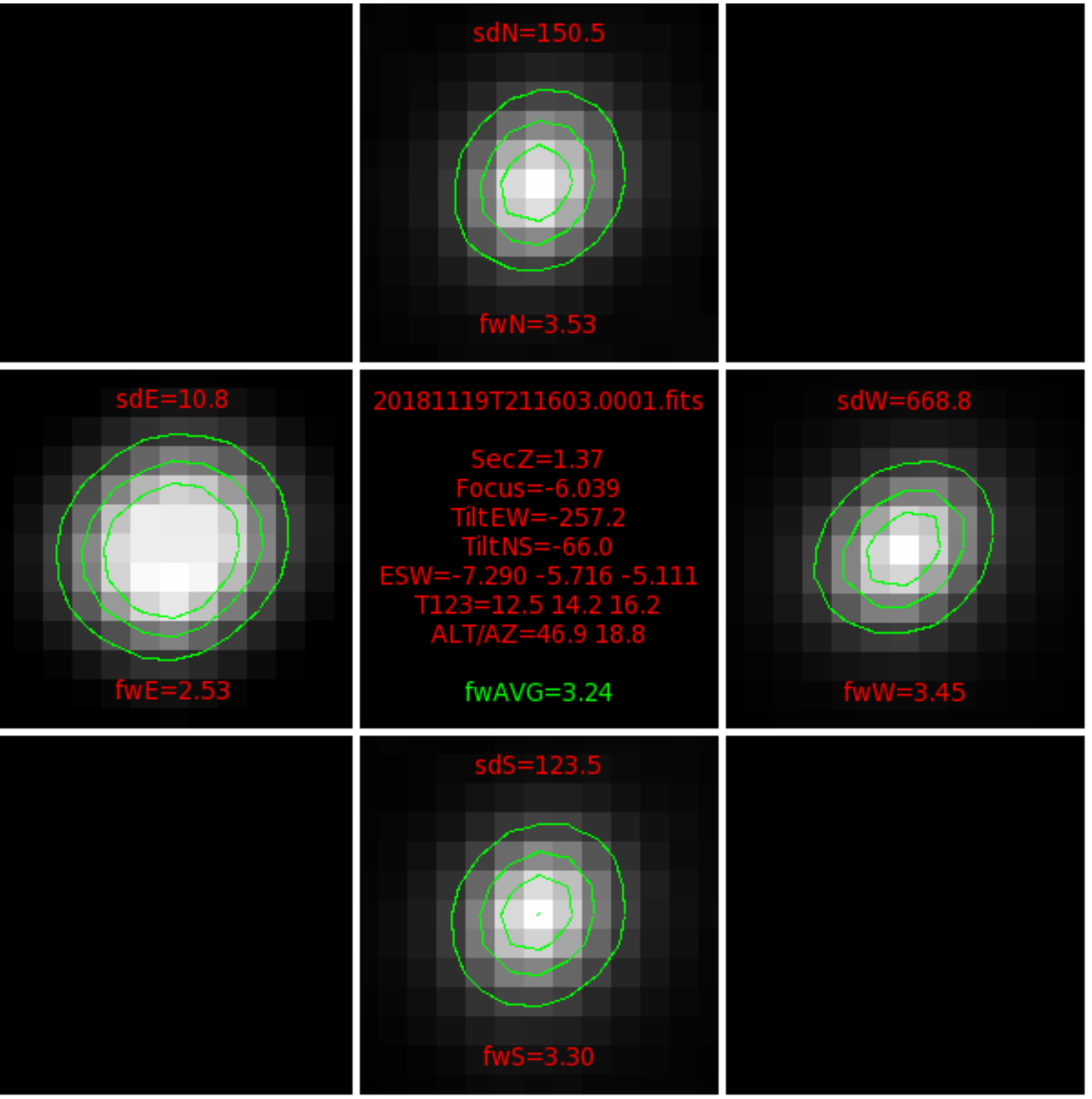
sdN=150.5
fwN=3.53
sdE=10.8
fwE=2.53
20181119T211603.0001.fits
SecZ=1.37
Focus=-6.039
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.290 -5.716 -5.111
T123=12.5 14.2 16.2
ALT/AZ=46.9 18.8
fwAVG=3.24
sdW=668.8
fwW=3.45
sdS=123.5
fwS=3.30
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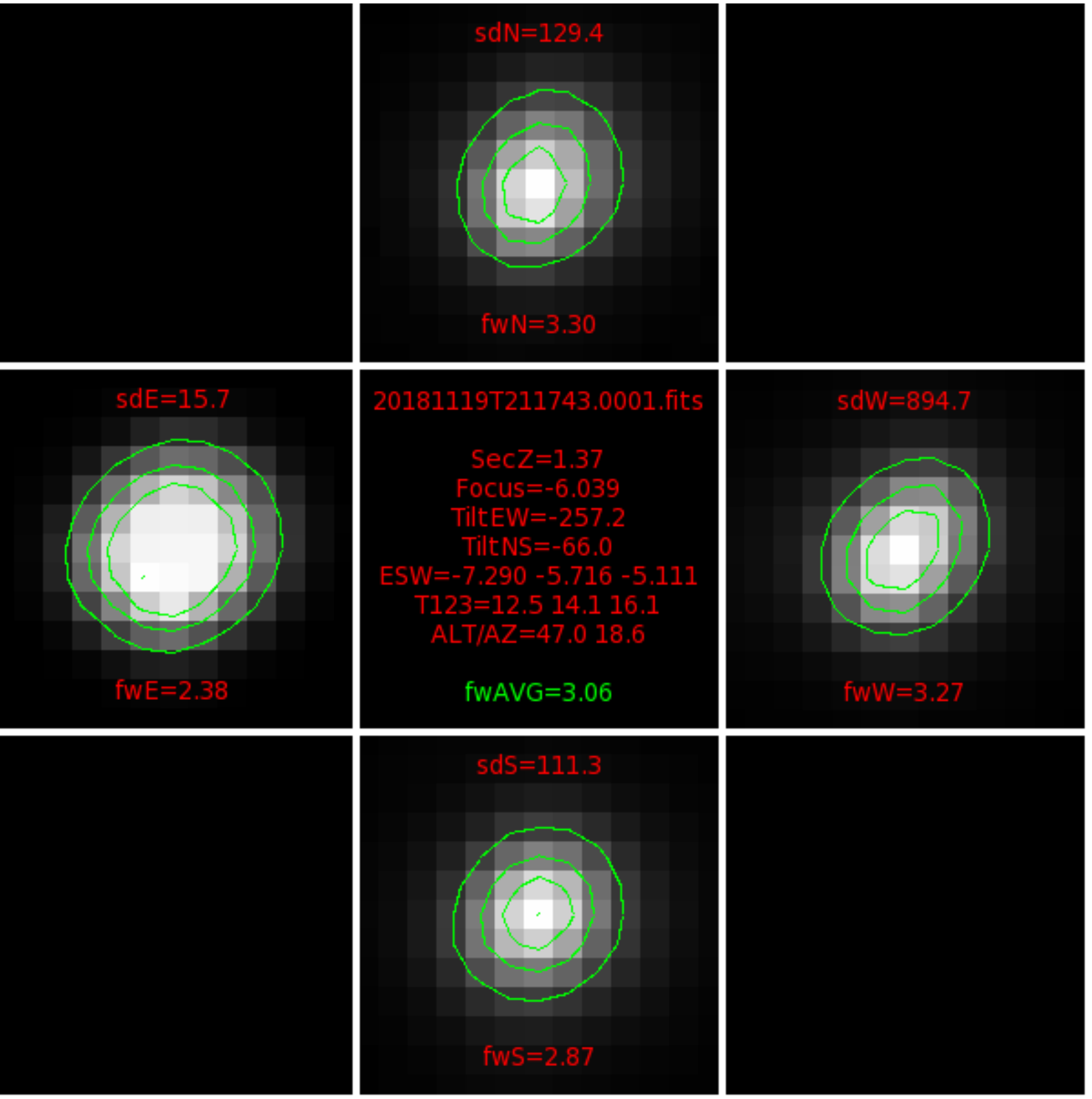
sdN=129.4
fwN=3.30
sdE=15.7
fwE=2.38
20181119T211743.0001.fits
SecZ=1.37
Focus=-6.039
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.290 -5.716 -5.111
T123=12.5 14.1 16.1
ALT/AZ=47.0 18.6
fwAVG=3.06
sdW=894.7
fwW=3.27
sdS=111.3
fwS=2.87
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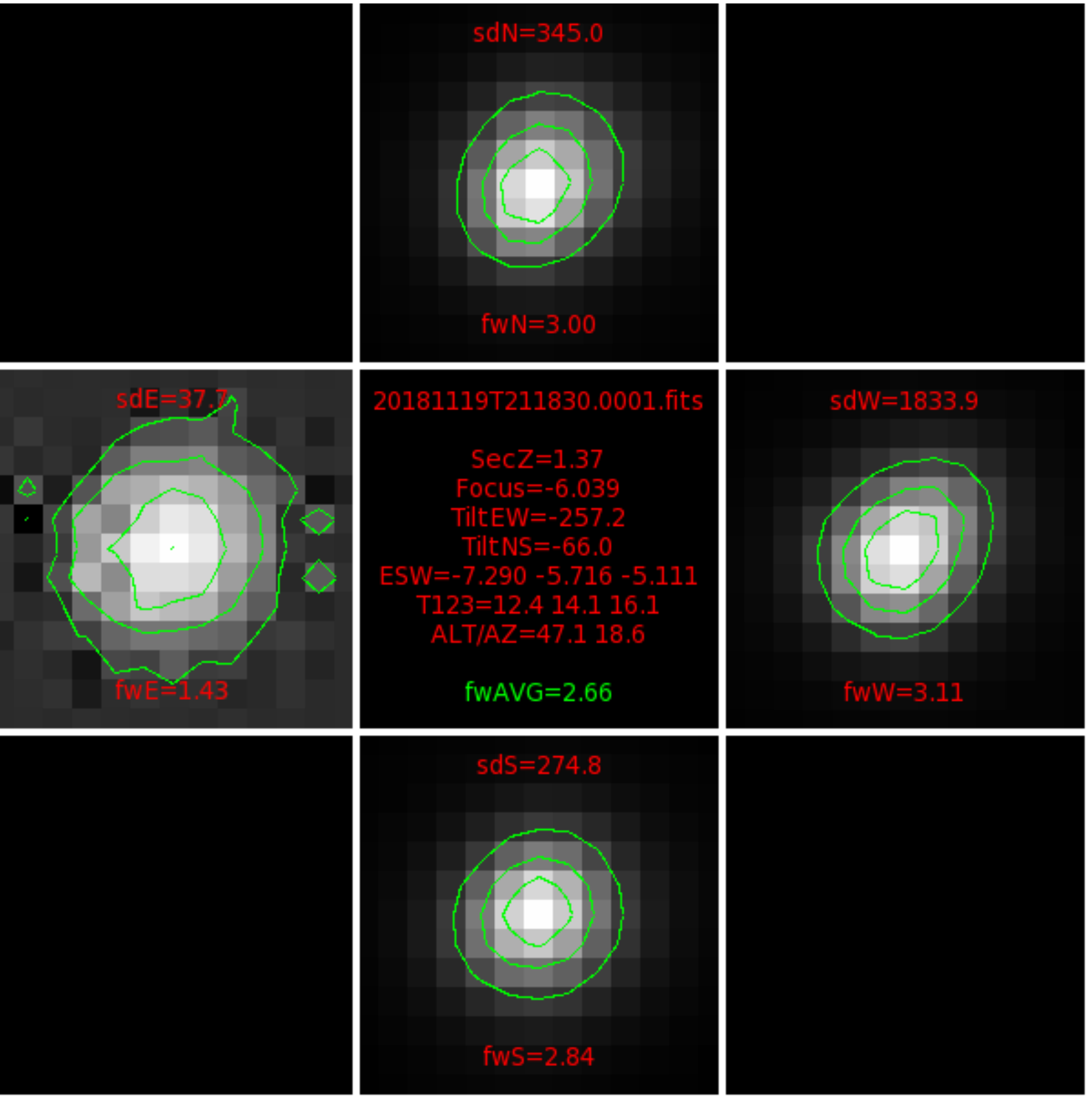
sdN=345.0
fwN=3.00
sdE=37.7
fwE=1.43
20181119T211830.0001.fits
SecZ=1.37
Focus=-6.039
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.290 -5.716 -5.111
T123=12.4 14.1 16.1
ALT/AZ=47.1 18.6
fwAVG=2.66
sdW=1833.9
fwW=3.11
sdS=274.8
fwS=2.84
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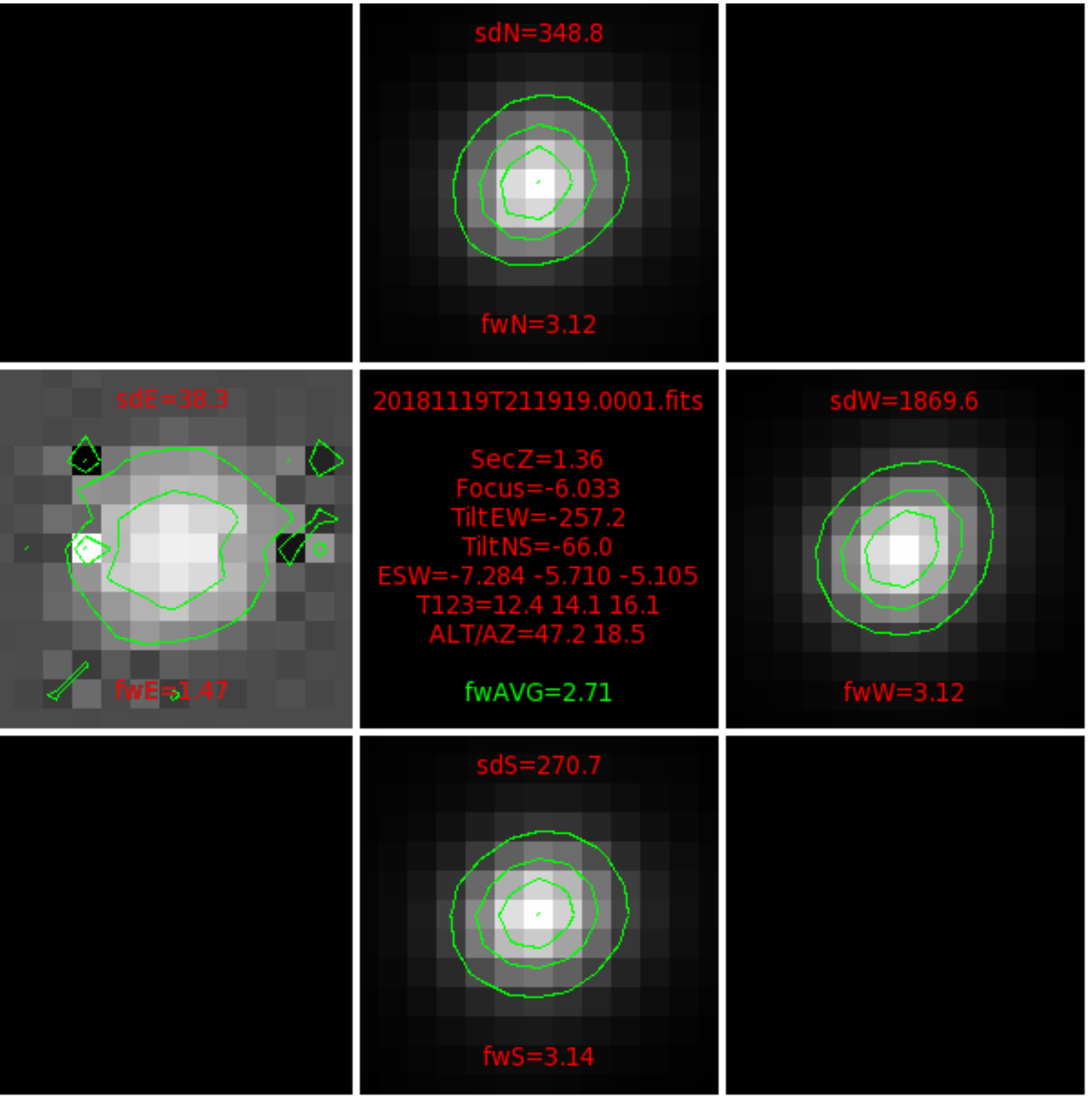
sdN=348.8
fwN=3.12
sdE=38.3
fwE=1.47
20181119T211919.0001.fits
SecZ=1.36
Focus=-6.033
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.284 -5.710 -5.105
T123=12.4 14.1 16.1
ALT/AZ=47.2 18.5
fwAVG=2.71
sdW=1869.6
fwW=3.12
sdS=270.7
fwS=3.14
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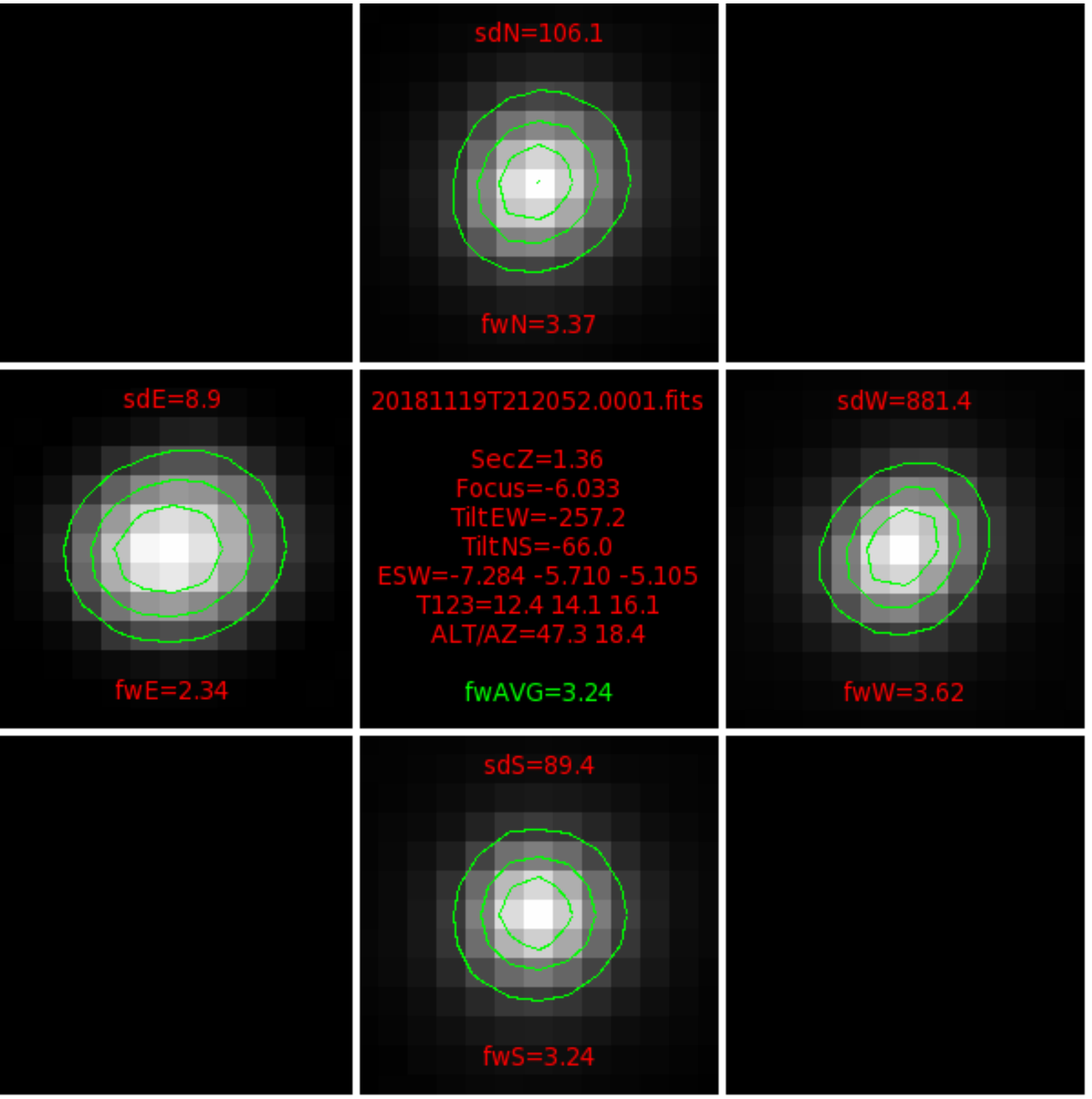
sdN=106.1
fwN=3.37
sdE=8.9
fwE=2.34
20181119T212052.0001.fits
SecZ=1.36
Focus=-6.033
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.284 -5.710 -5.105
T123=12.4 14.1 16.1
ALT/AZ=47.3 18.4
fwAVG=3.24
sdW=881.4
fwW=3.62
sdS=89.4
fwS=3.24
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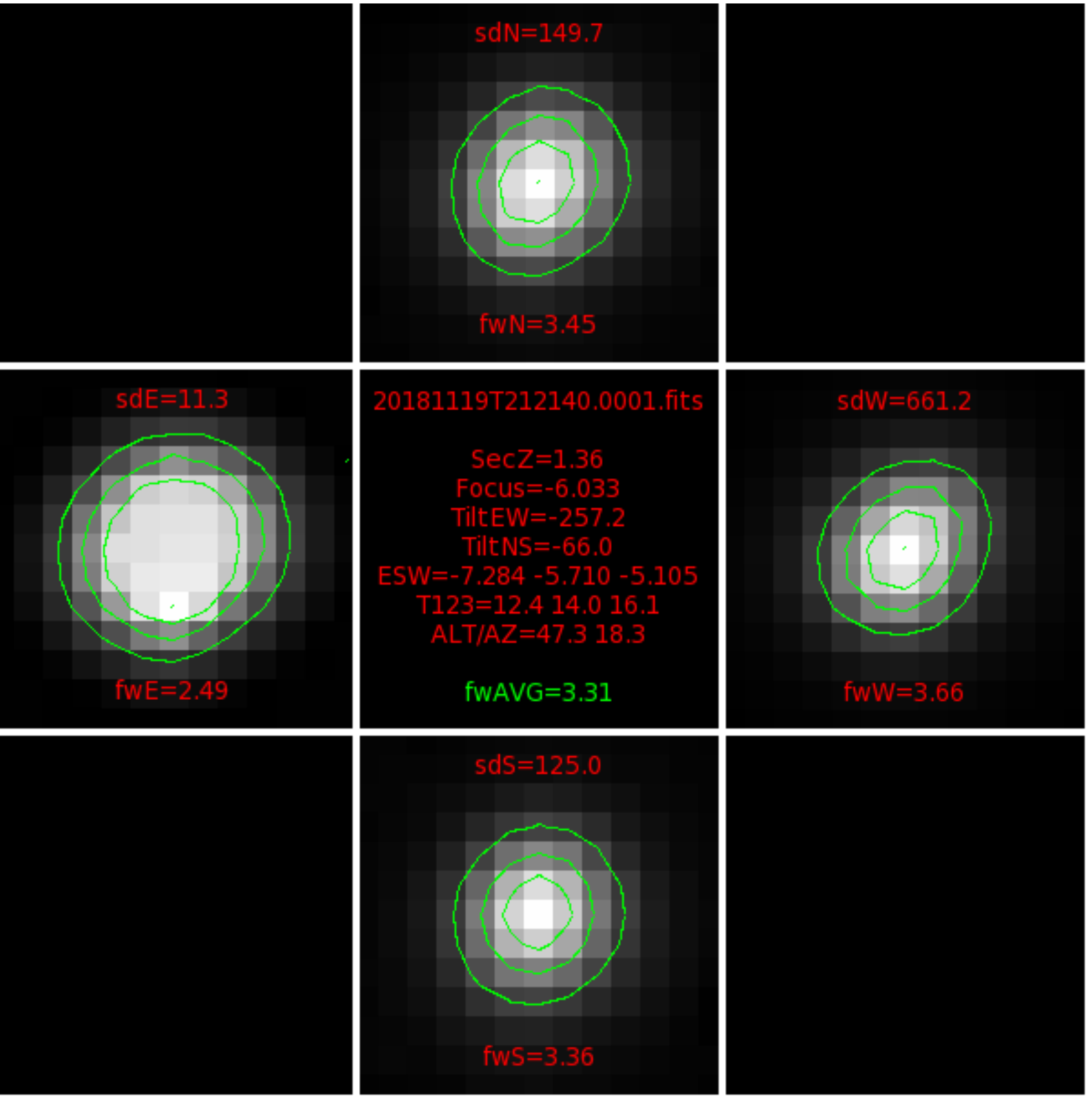
sdN=149.7
fwN=3.45
sdE=11.3
fwE=2.49
20181119T212140.0001.fits
SecZ=1.36
Focus=-6.033
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.284 -5.710 -5.105
T123=12.4 14.0 16.1
ALT/AZ=47.3 18.3
fwAVG=3.31
sdW=661.2
fwW=3.66
sdS=125.0
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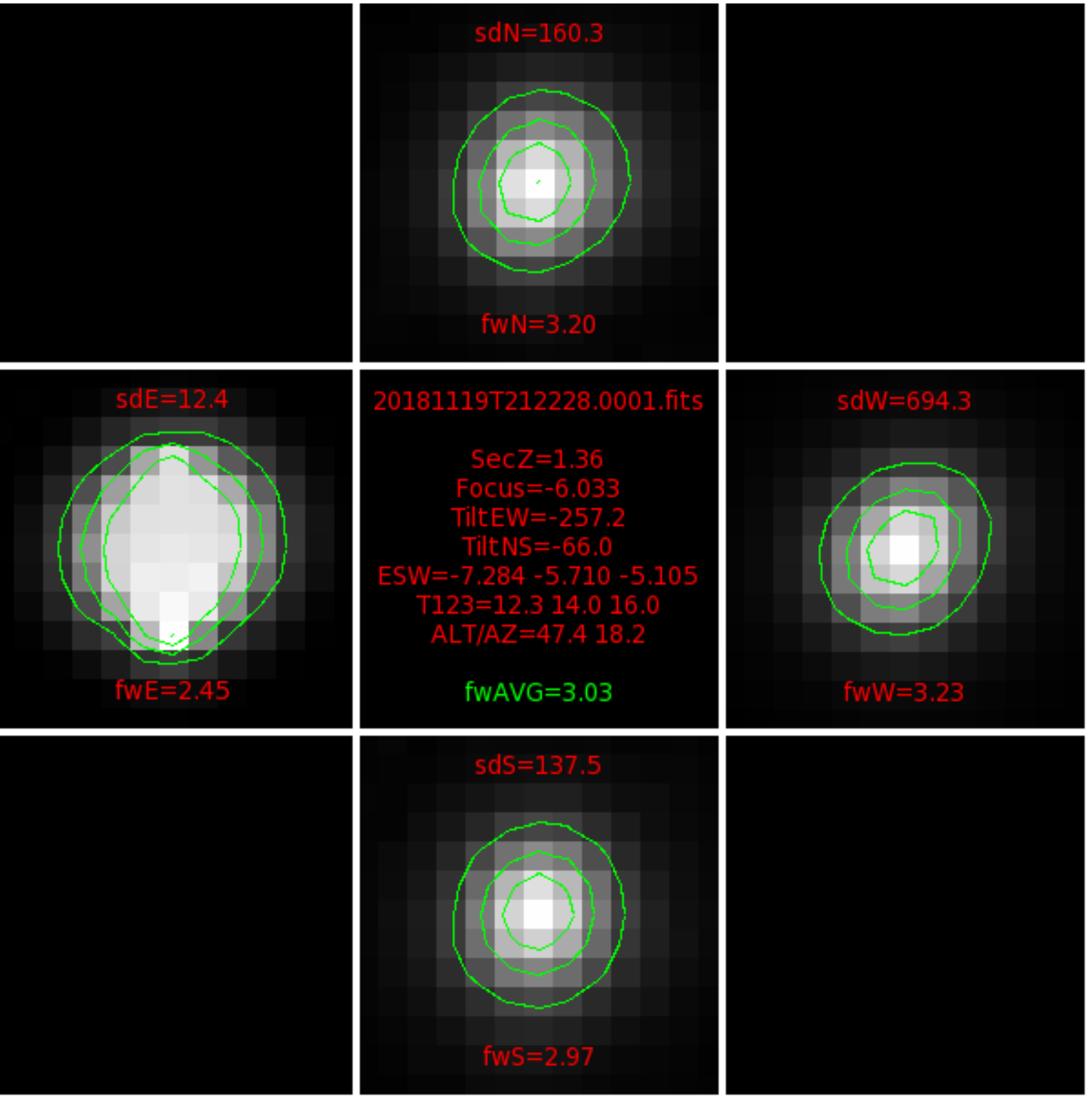
sdN=160.3
fwN=3.20
sdE=12.4
fwE=2.45
20181119T212228.0001.fits
SecZ=1.36
Focus=-6.033
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.284 -5.710 -5.105
T123=12.3 14.0 16.0
ALT/AZ=47.4 18.2
fwAVG=3.03
sdW=694.3
fwW=3.23
sdS=137.5
fwS=2.97
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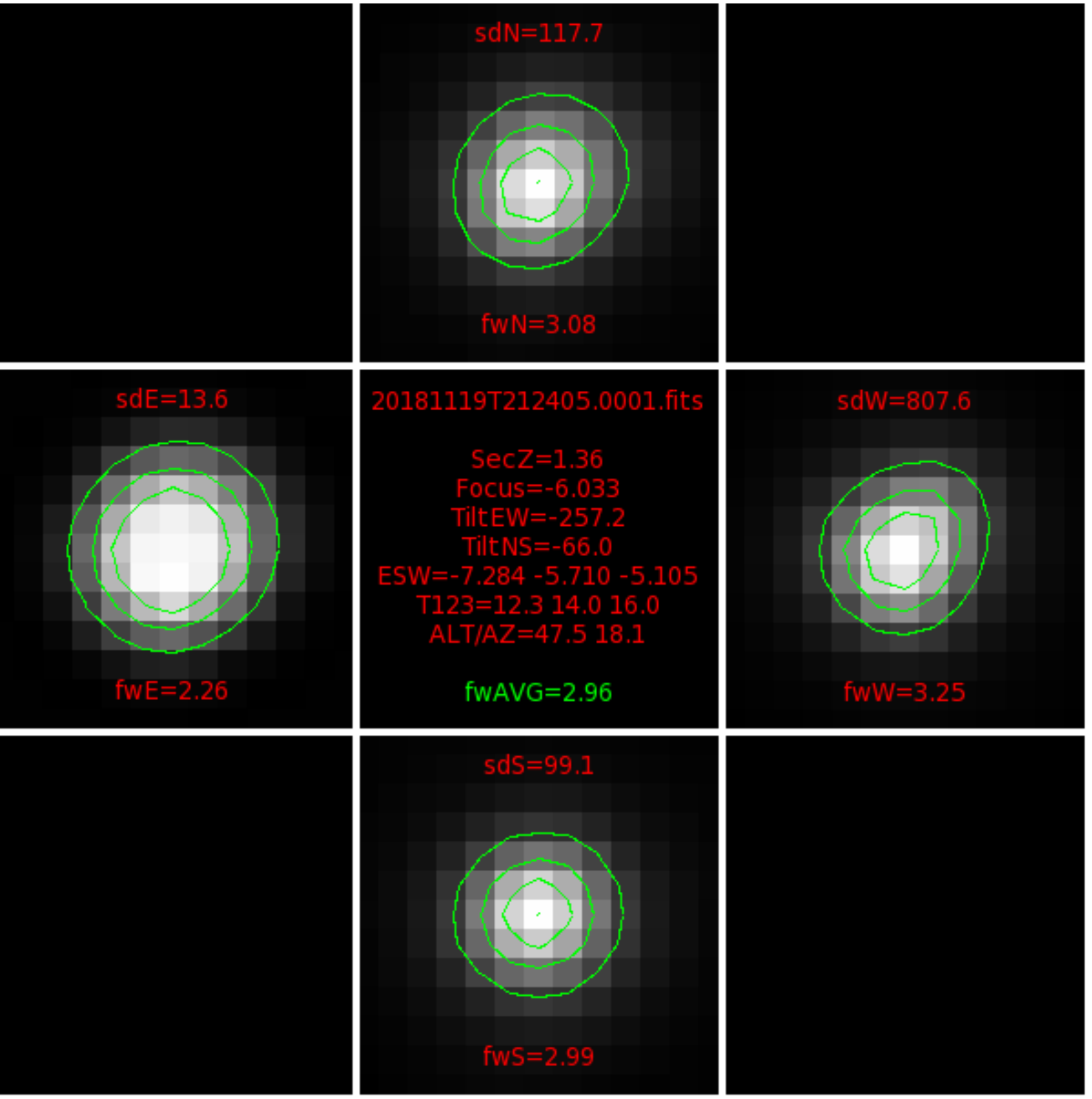
sdN=117.7
fwN=3.08
sdE=13.6
fwE=2.26
20181119T212405.0001.fits
SecZ=1.36
Focus=-6.033
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.284 -5.710 -5.105
T123=12.3 14.0 16.0
ALT/AZ=47.5 18.1
fwAVG=2.96
sdW=807.6
fwW=3.25
sdS=99.1
fwS=2.99
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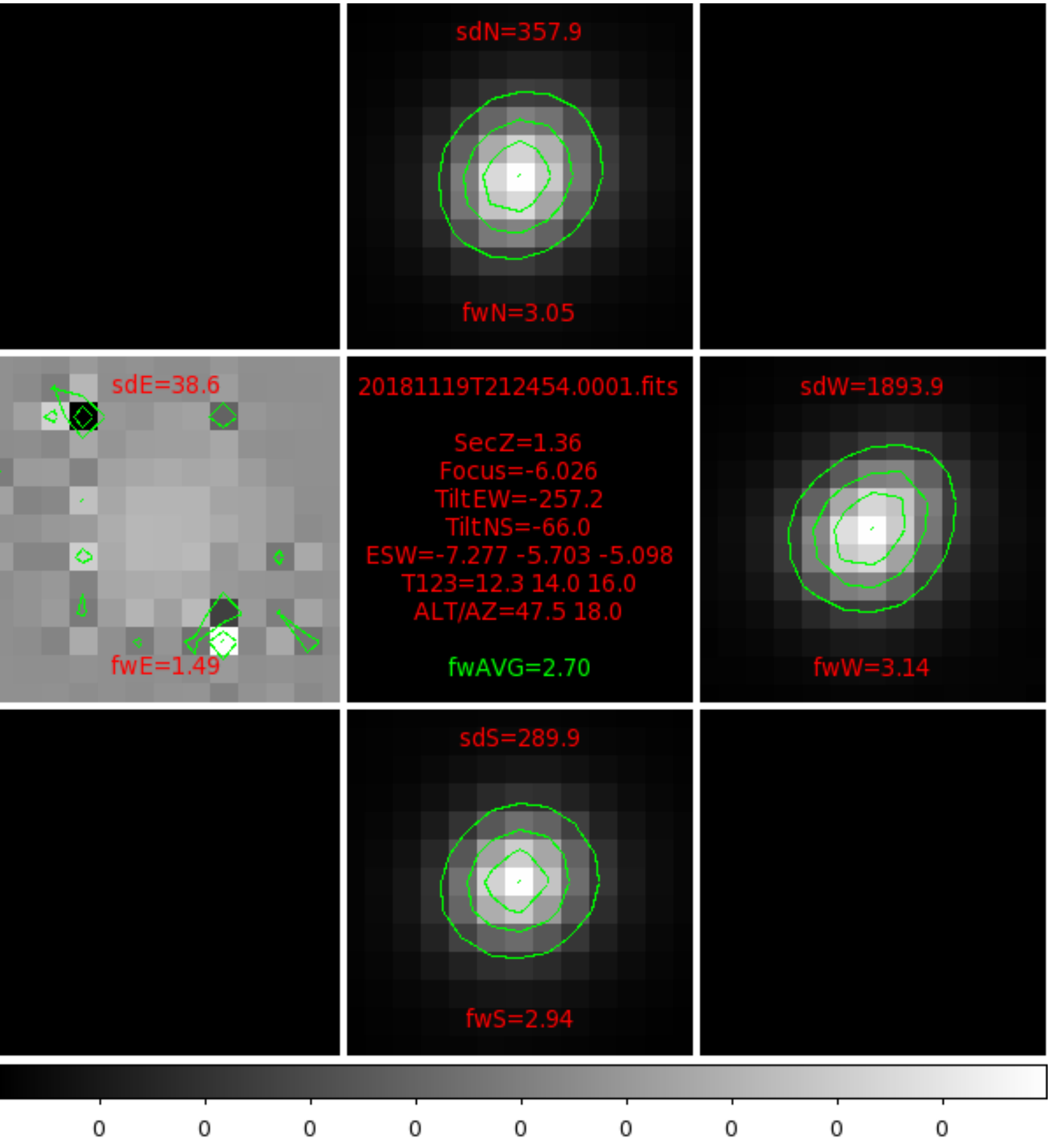
sdN=357.9
fwN=3.05
sdE=38.6
fwE=1.49
20181119T212454.0001.fits
SecZ=1.36
Focus=-6.026
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.277 -5.703 -5.098
T123=12.3 14.0 16.0
ALT/AZ=47.5 18.0
fwAVG=2.70
sdW=1893.9
fwW=3.14
sdS=289.9
fwS=2.94
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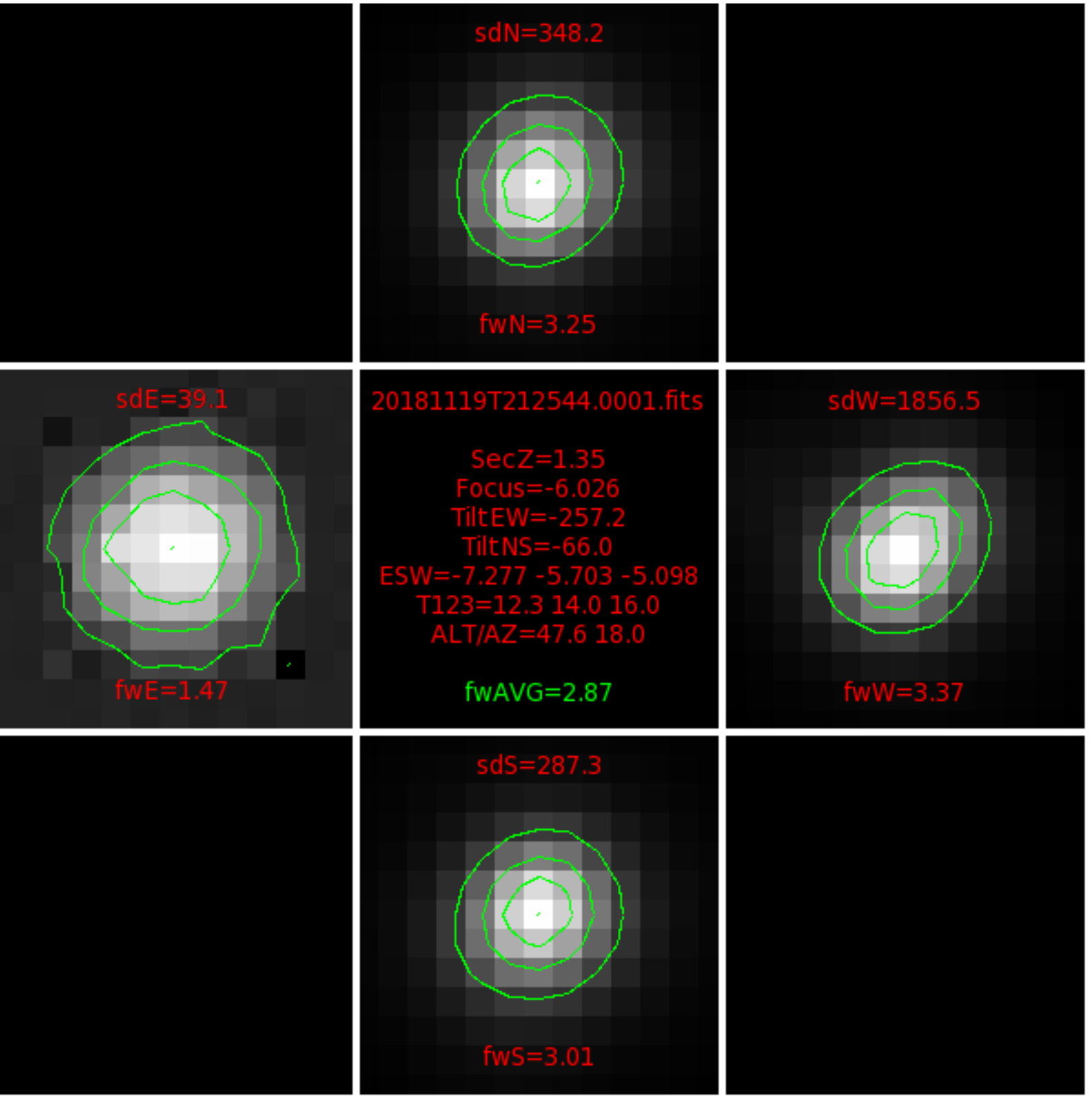
sdN=348.2
fwN=3.25
sdE=39.1
fwE=1.47
20181119T212544.0001.fits
SecZ=1.35
Focus=-6.026
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.277 -5.703 -5.098
T123=12.3 14.0 16.0
ALT/AZ=47.6 18.0
fwAVG=2.87
sdW=1856.5
fwW=3.37
sdS=287.3
fwS=3.01
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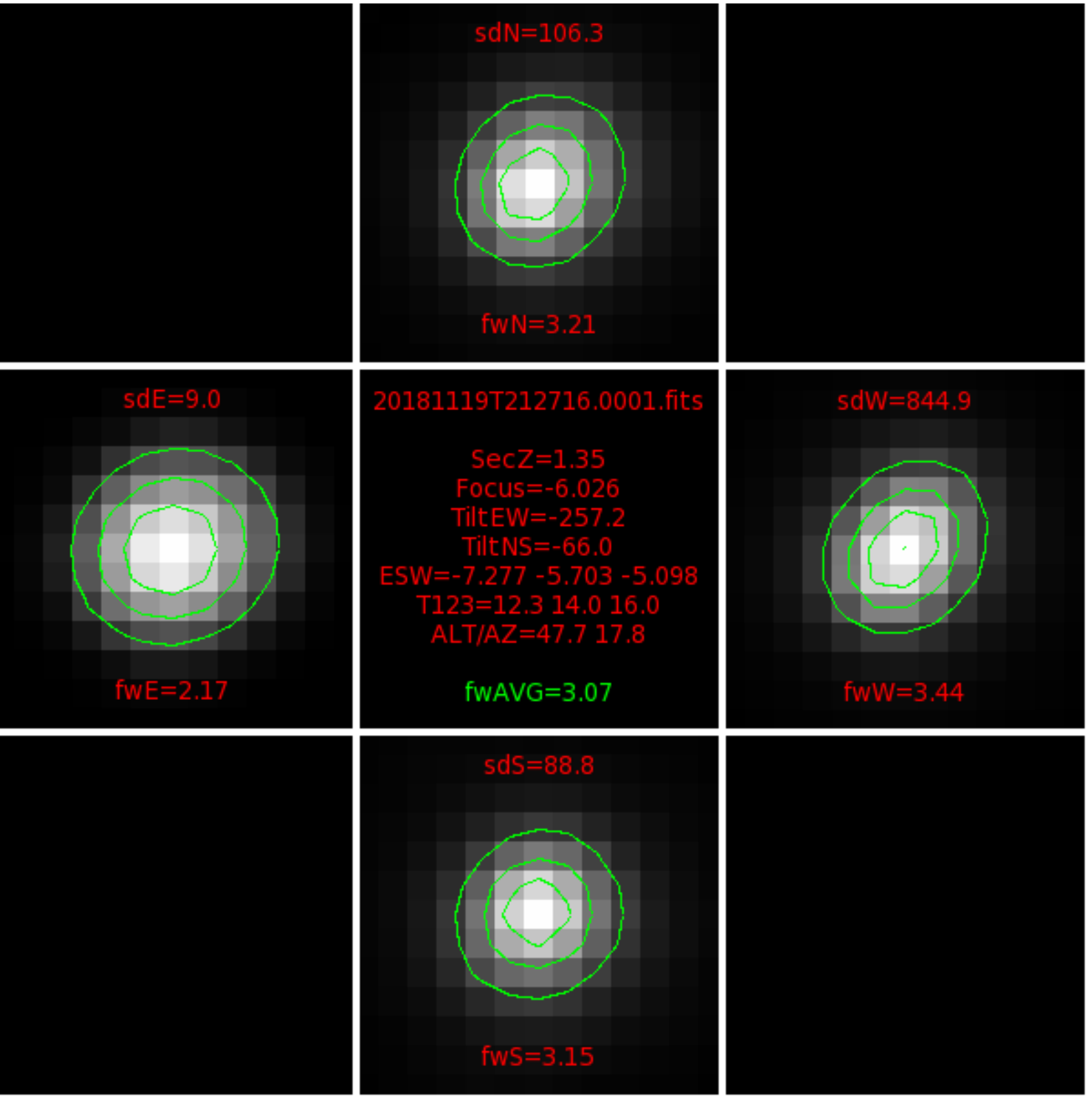
sdN=106.3
fwN=3.21
sdE=9.0
fwE=2.17
20181119T212716.0001.fits
SecZ=1.35
Focus=-6.026
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.277 -5.703 -5.098
T123=12.3 14.0 16.0
ALT/AZ=47.7 17.8
fwAVG=3.07
sdW=844.9
fwW=3.44
sdS=88.8
fwS=3.15
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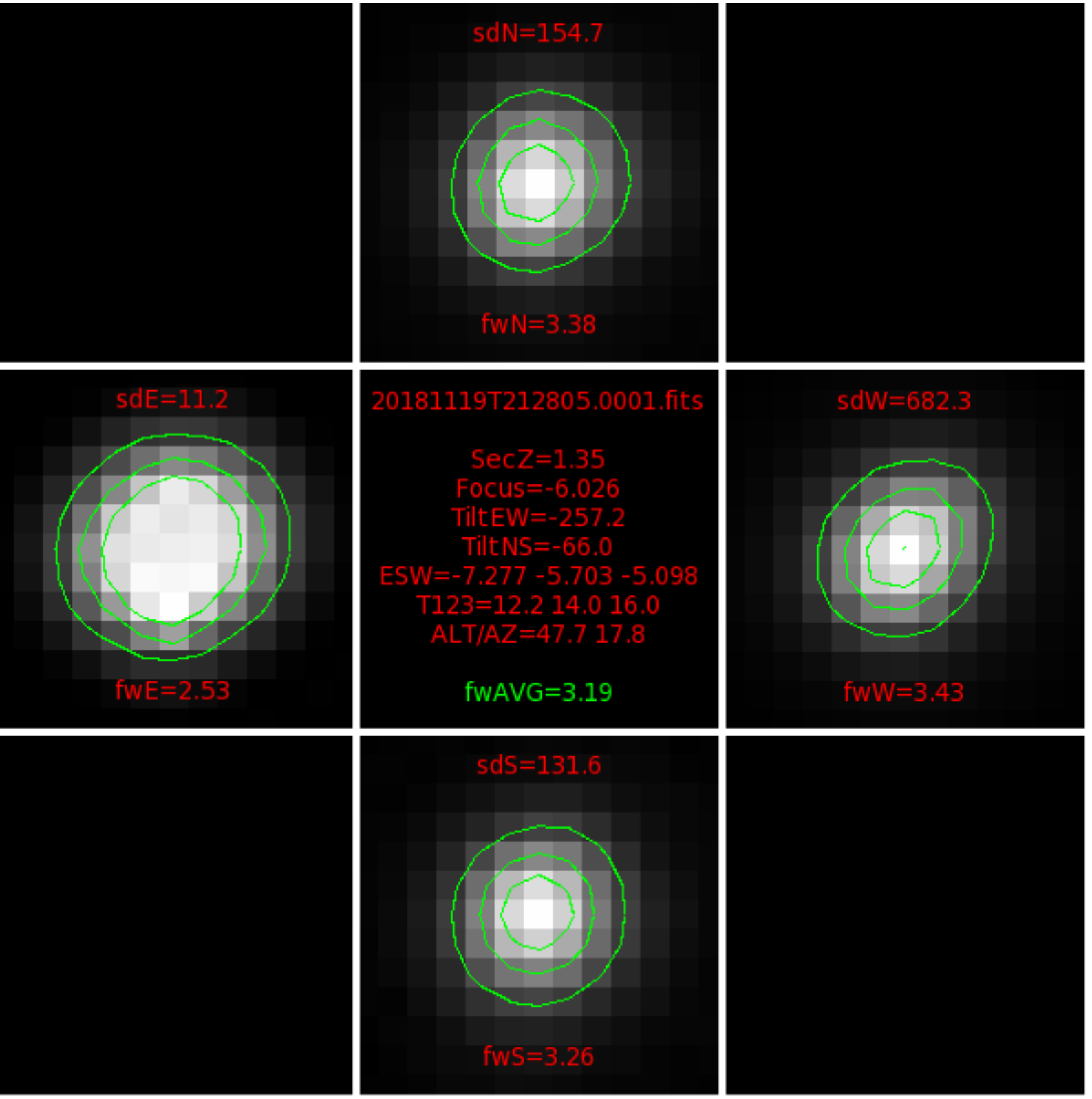
sdN=154.7
fwN=3.38
sdE=11.2
fwE=2.53
20181119T212805.0001.fits
SecZ=1.35
Focus=-6.026
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.277 -5.703 -5.098
T123=12.2 14.0 16.0
ALT/AZ=47.7 17.8
fwAVG=3.19
sdW=682.3
fwW=3.43
sdS=131.6
fwS=3.26
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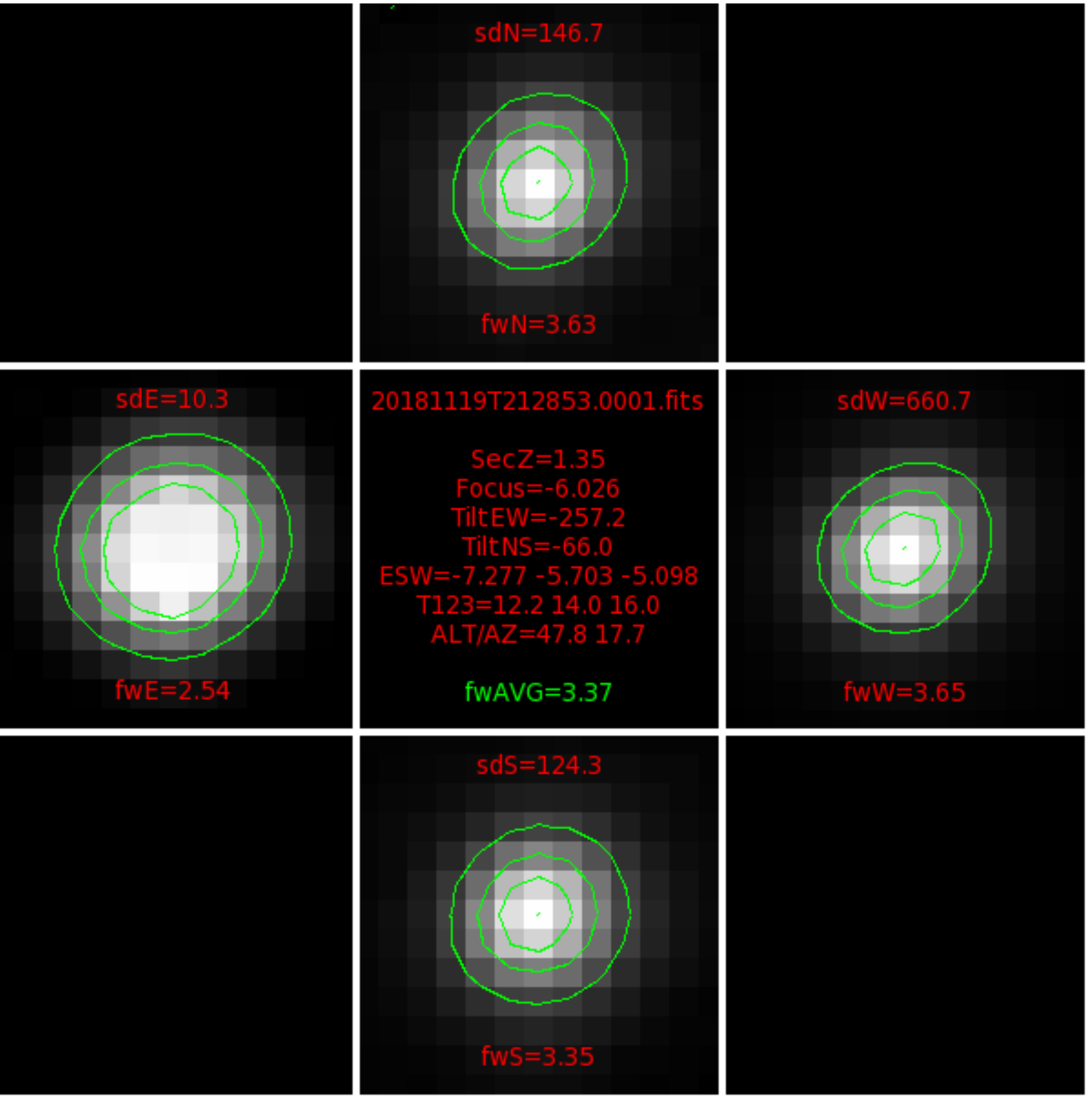
sdN=146.7
fwN=3.63
sdE=10.3
fwE=2.54
20181119T212853.0001.fits
SecZ=1.35
Focus=-6.026
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.277 -5.703 -5.098
T123=12.2 14.0 16.0
ALT/AZ=47.8 17.7
fwAVG=3.37
sdW=660.7
fwW=3.65
sdS=124.3
fwS=3.35
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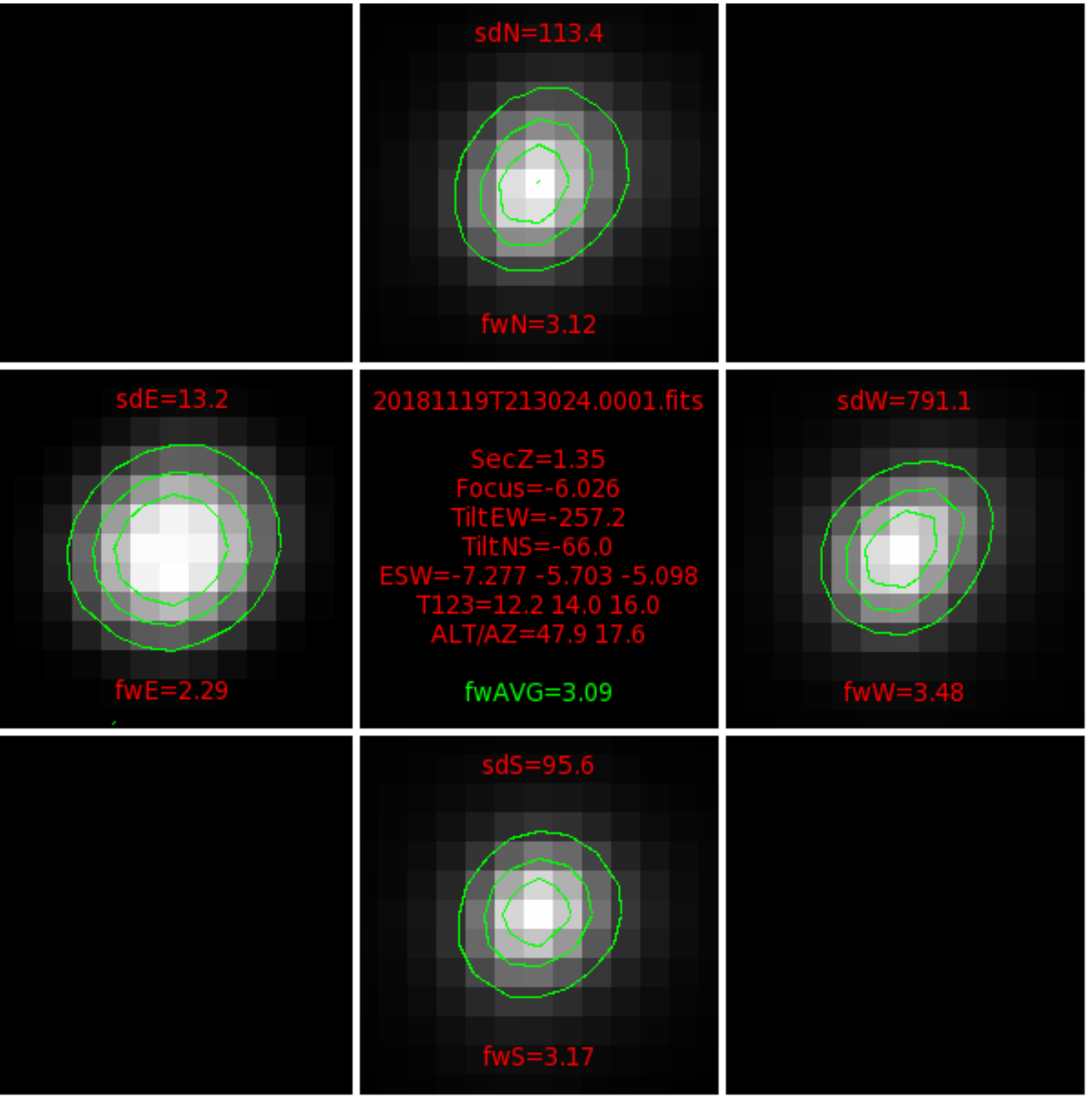
sdN=113.4
fwN=3.12
sdE=13.2
fwE=2.29
20181119T213024.0001.fits
SecZ=1.35
Focus=-6.026
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.277 -5.703 -5.098
T123=12.2 14.0 16.0
ALT/AZ=47.9 17.6
fwAVG=3.09
sdW=791.1
fwW=3.48
sdS=95.6
fwS=3.17
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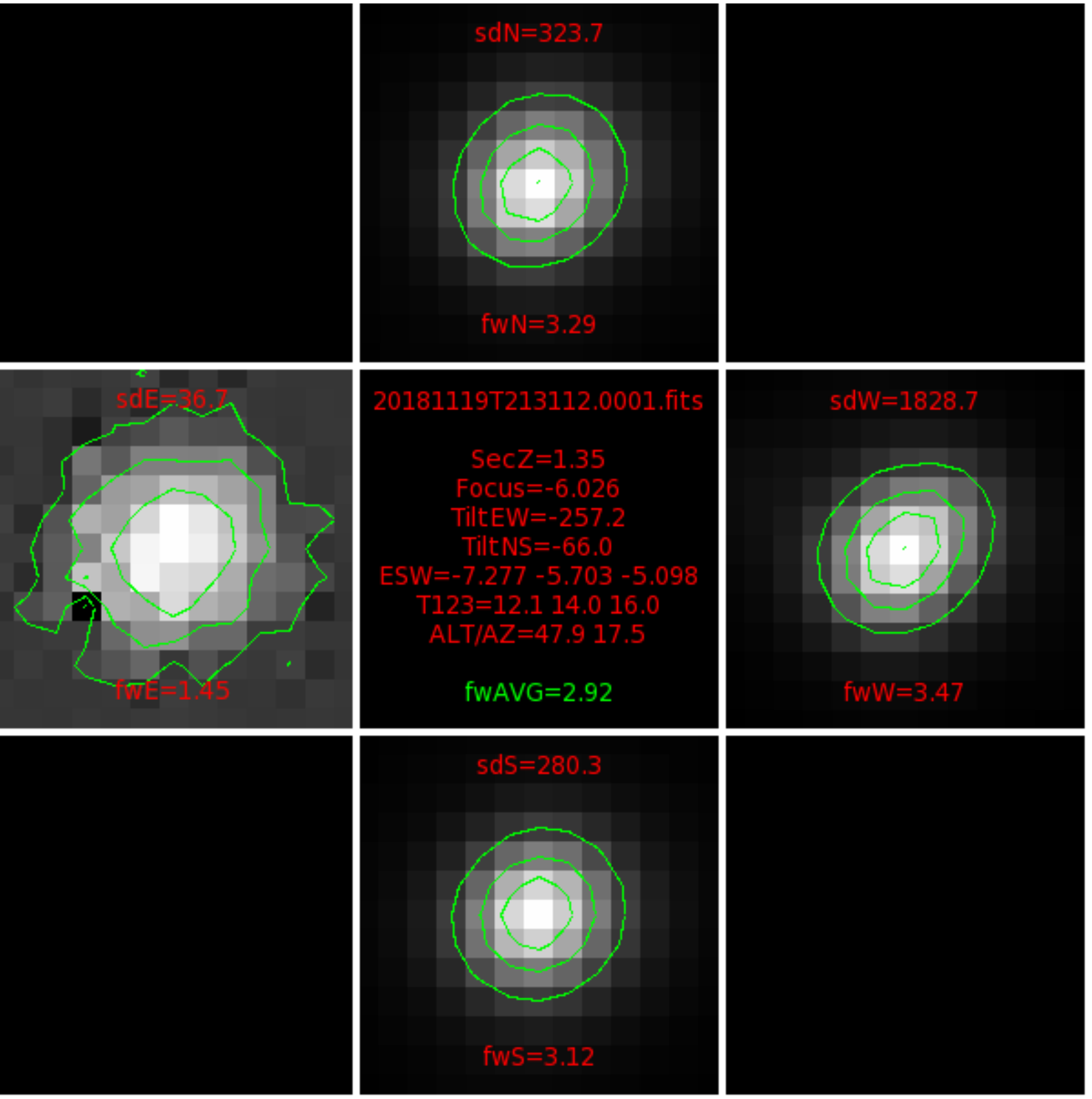
sdN=323.7
fwN=3.29
sdE=36.7
fwE=1.45
20181119T213112.0001.fits
SecZ=1.35
Focus=-6.026
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.277 -5.703 -5.098
T123=12.1 14.0 16.0
ALT/AZ=47.9 17.5
fwAVG=2.92
sdW=1828.7
fwW=3.47
sdS=280.3
fwS=3.12
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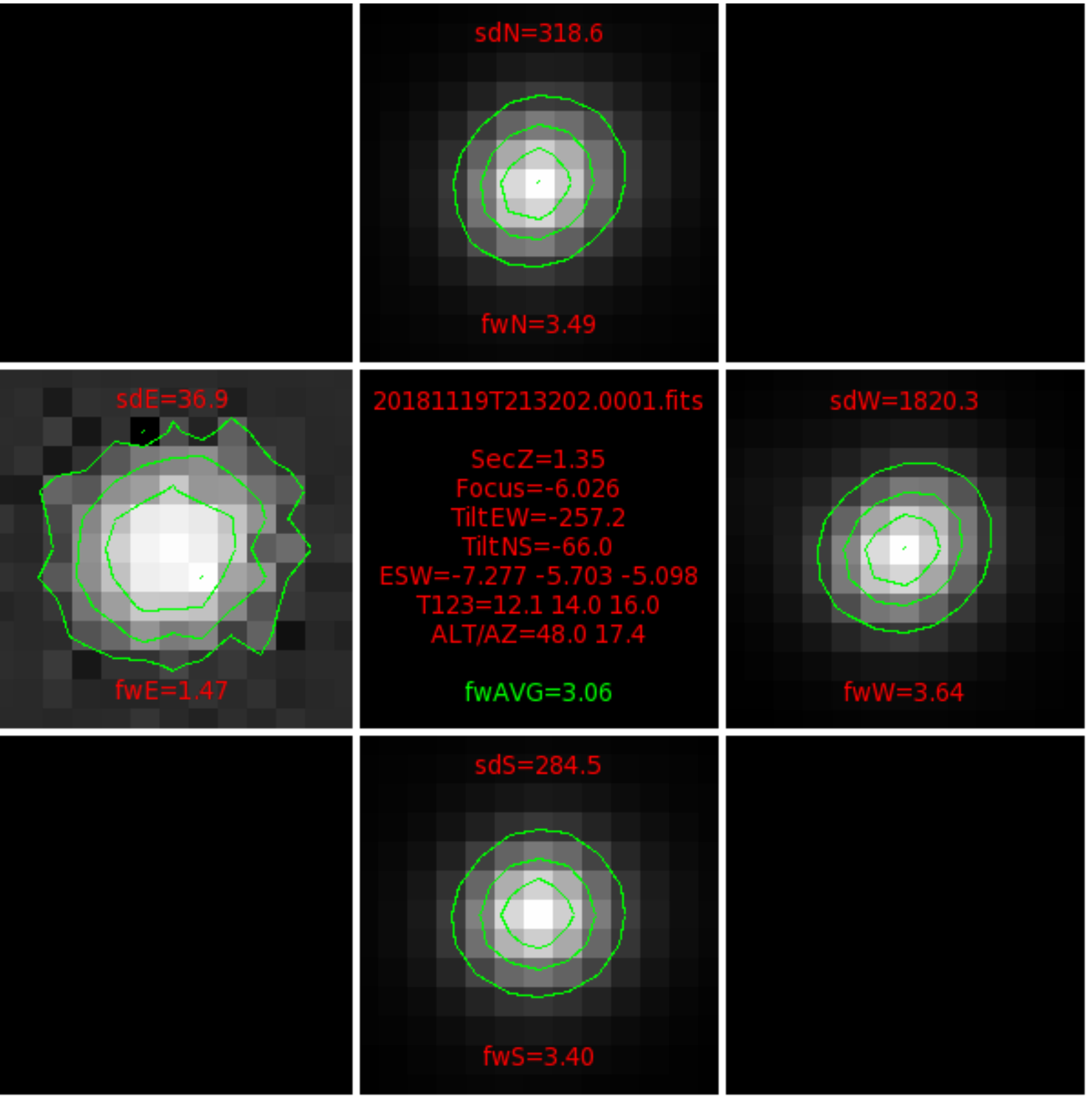
sdN=318.6
fwN=3.49
sdE=36.9
fwE=1.47
20181119T213202.0001.fits
SecZ=1.35
Focus=-6.026
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.277 -5.703 -5.098
T123=12.1 14.0 16.0
ALT/AZ=48.0 17.4
fwAVG=3.06
sdW=1820.3
fwW=3.64
sdS=284.5
fwS=3.40
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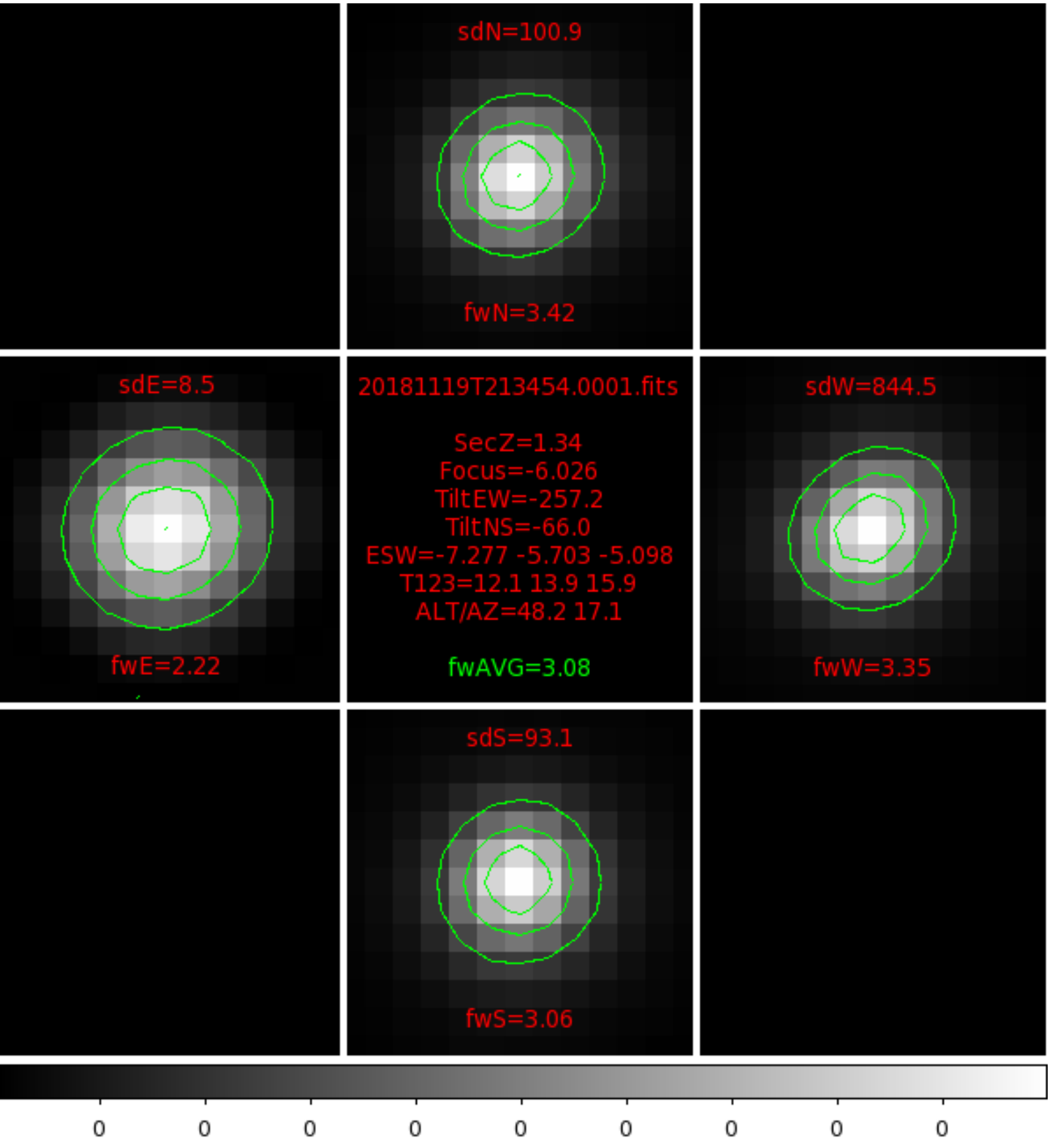
sdN=100.9
fwN=3.42
sdE=8.5
fwE=2.22
20181119T213454.0001.fits
SecZ=1.34
Focus=-6.026
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.277 -5.703 -5.098
T123=12.1 13.9 15.9
ALT/AZ=48.2 17.1
fwAVG=3.08
sdW=844.5
fwW=3.35
sdS=93.1
fwS=3.06
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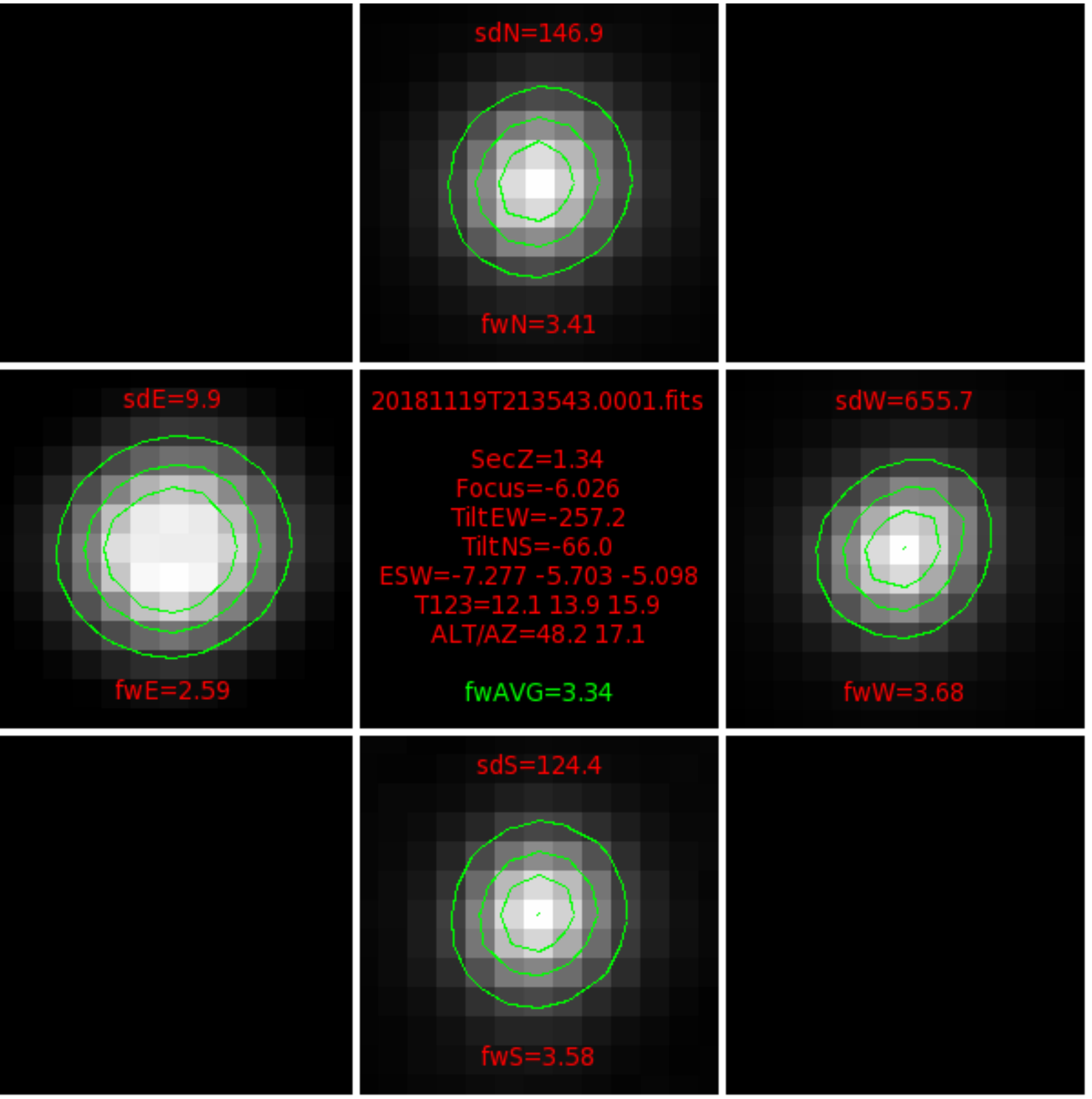
sdN=146.9
fwN=3.41
sdE=9.9
fwE=2.59
20181119T213543.0001.fits
SecZ=1.34
Focus=-6.026
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.277 -5.703 -5.098
T123=12.1 13.9 15.9
ALT/AZ=48.2 17.1
fwAVG=3.34
sdW=655.7
fwW=3.68
sdS=124.4
fwS=3.58
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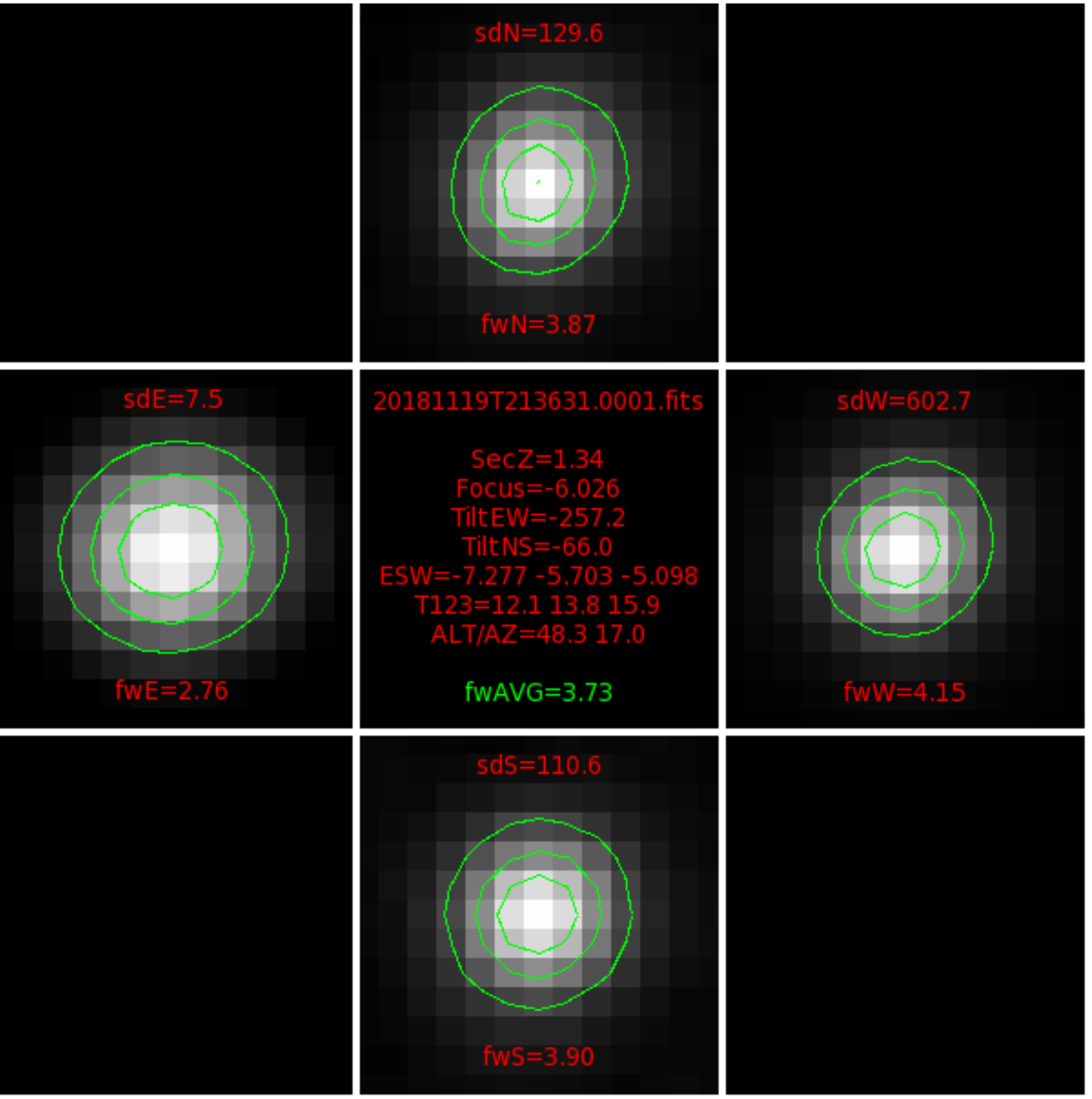
sdN=129.6
fwN=3.87
sdE=7.5
fwE=2.76
20181119T213631.0001.fits
SecZ=1.34
Focus=-6.026
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.277 -5.703 -5.098
T123=12.1 13.8 15.9
ALT/AZ=48.3 17.0
fwAVG=3.73
sdW=602.7
fwW=4.15
sdS=110.6
fwS=3.90
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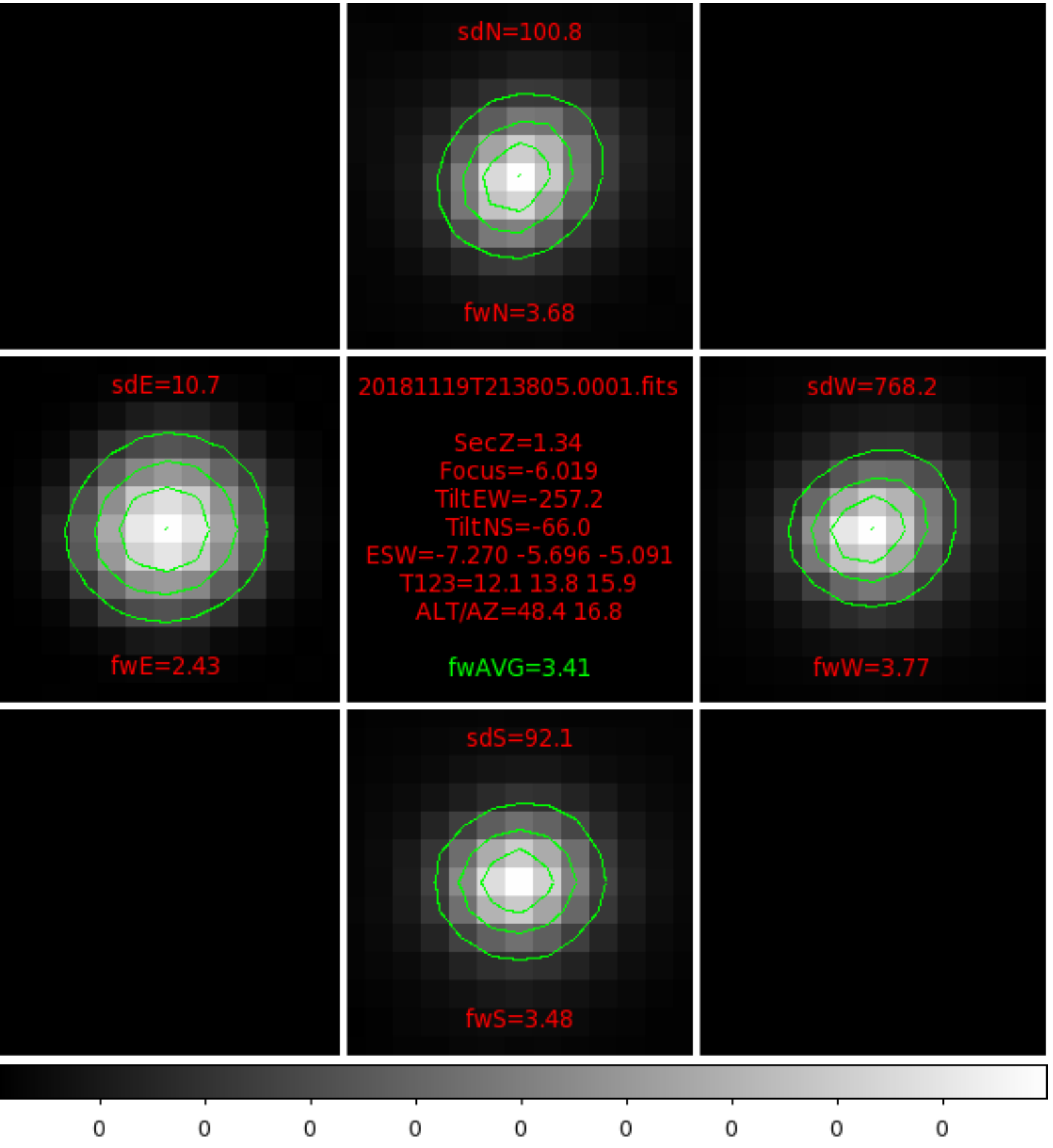
sdN=100.8
fwN=3.68
sdE=10.7
fwE=2.43
20181119T213805.0001.fits
SecZ=1.34
Focus=-6.019
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.270 -5.696 -5.091
T123=12.1 13.8 15.9
ALT/AZ=48.4 16.8
fwAVG=3.41
sdW=768.2
fwW=3.77
sdS=92.1
fwS=3.48
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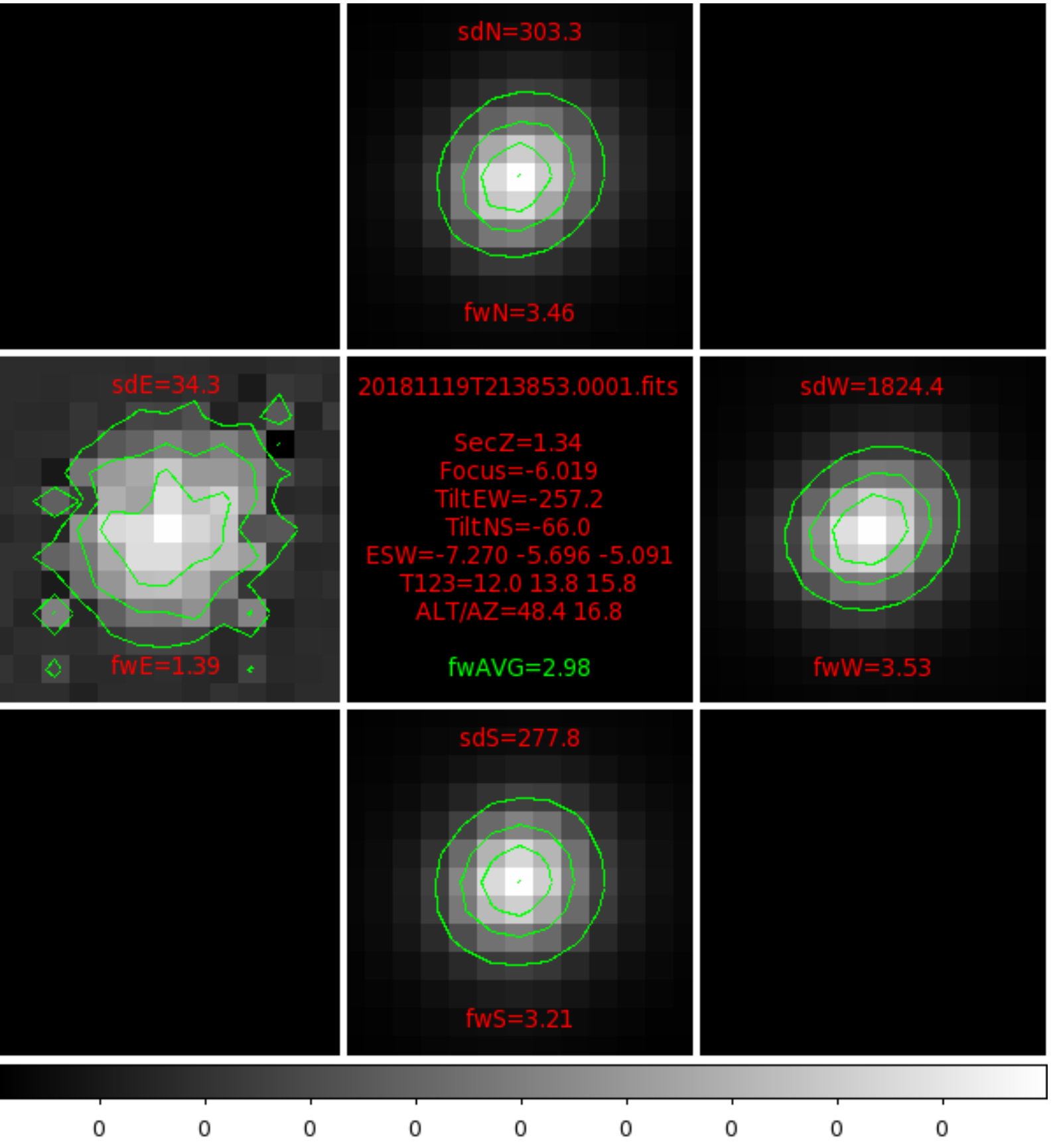
sdN=303.3
fwN=3.46
sdE=34.3
fwE=1.39
20181119T213853.0001.fits
SecZ=1.34
Focus=-6.019
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.270 -5.696 -5.091
T123=12.0 13.8 15.8
ALT/AZ=48.4 16.8
fwAVG=2.98
sdW=1824.4
fwW=3.53
sdS=277.8
fwS=3.21
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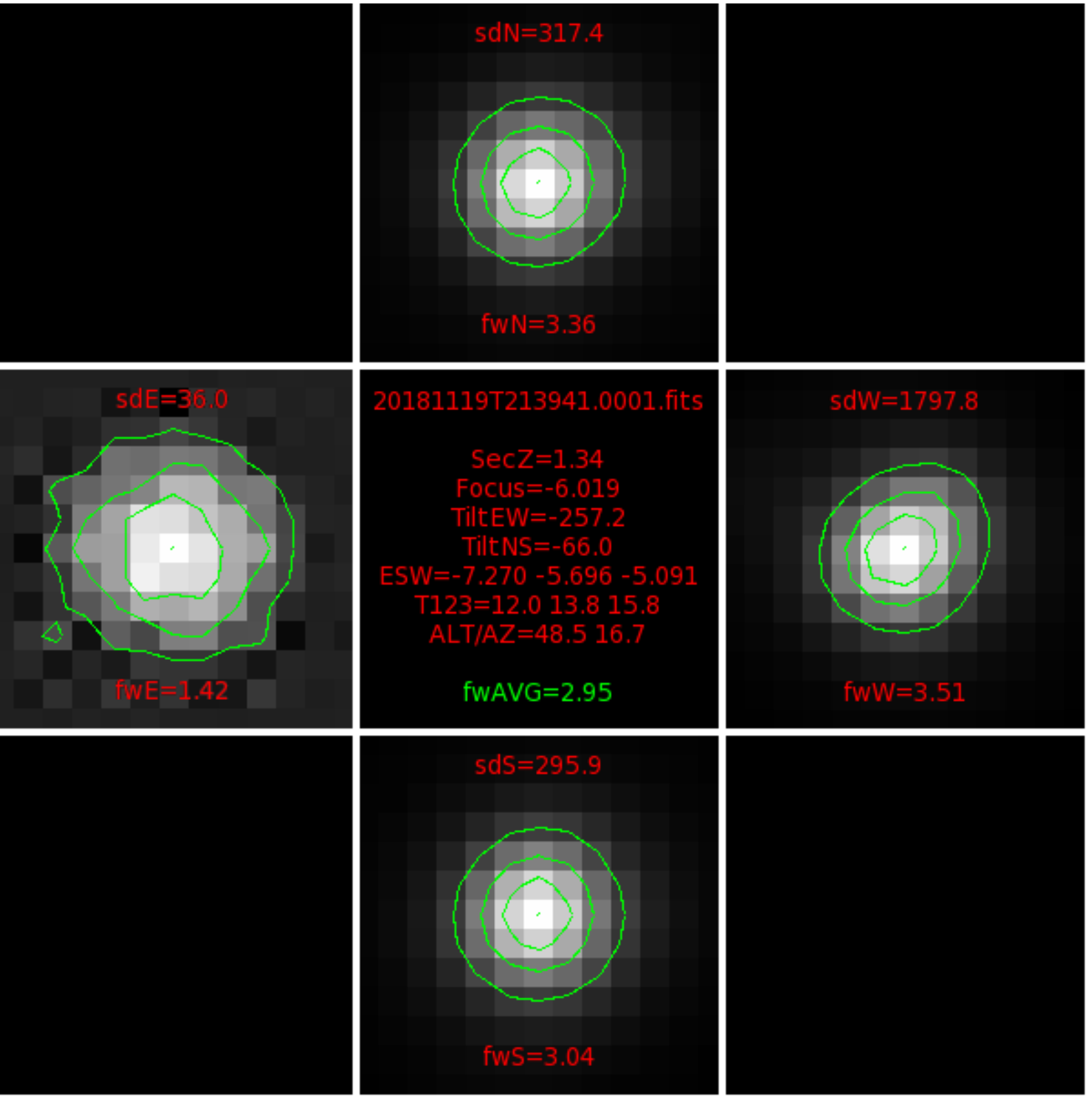
sdN=317.4
fwN=3.36
sdE=36.0
fwE=1.42
20181119T213941.0001.fits
SecZ=1.34
Focus=-6.019
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.270 -5.696 -5.091
T123=12.0 13.8 15.8
ALT/AZ=48.5 16.7
fwAVG=2.95
sdW=1797.8
fwW=3.51
sdS=295.9
fwS=3.04
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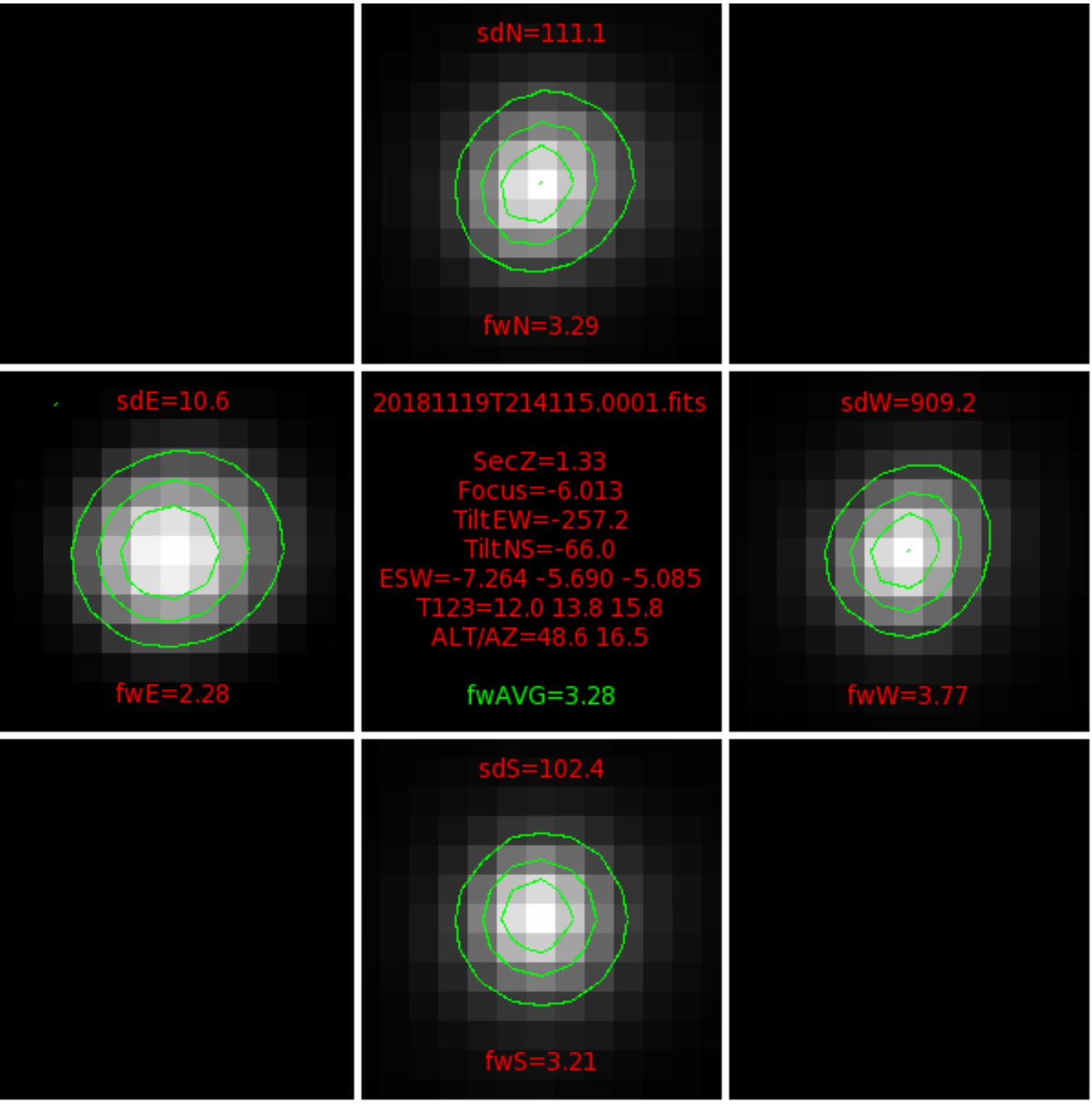
sdN=111.1
fwN=3.29
sdE=10.6
fwE=2.28
20181119T214115.0001.fits
SecZ=1.33
Focus=-6.013
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.264 -5.690 -5.085
T123=12.0 13.8 15.8
ALT/AZ=48.6 16.5
fwAVG=3.28
sdW=909.2
fwW=3.77
sdS=102.4
fwS=3.21
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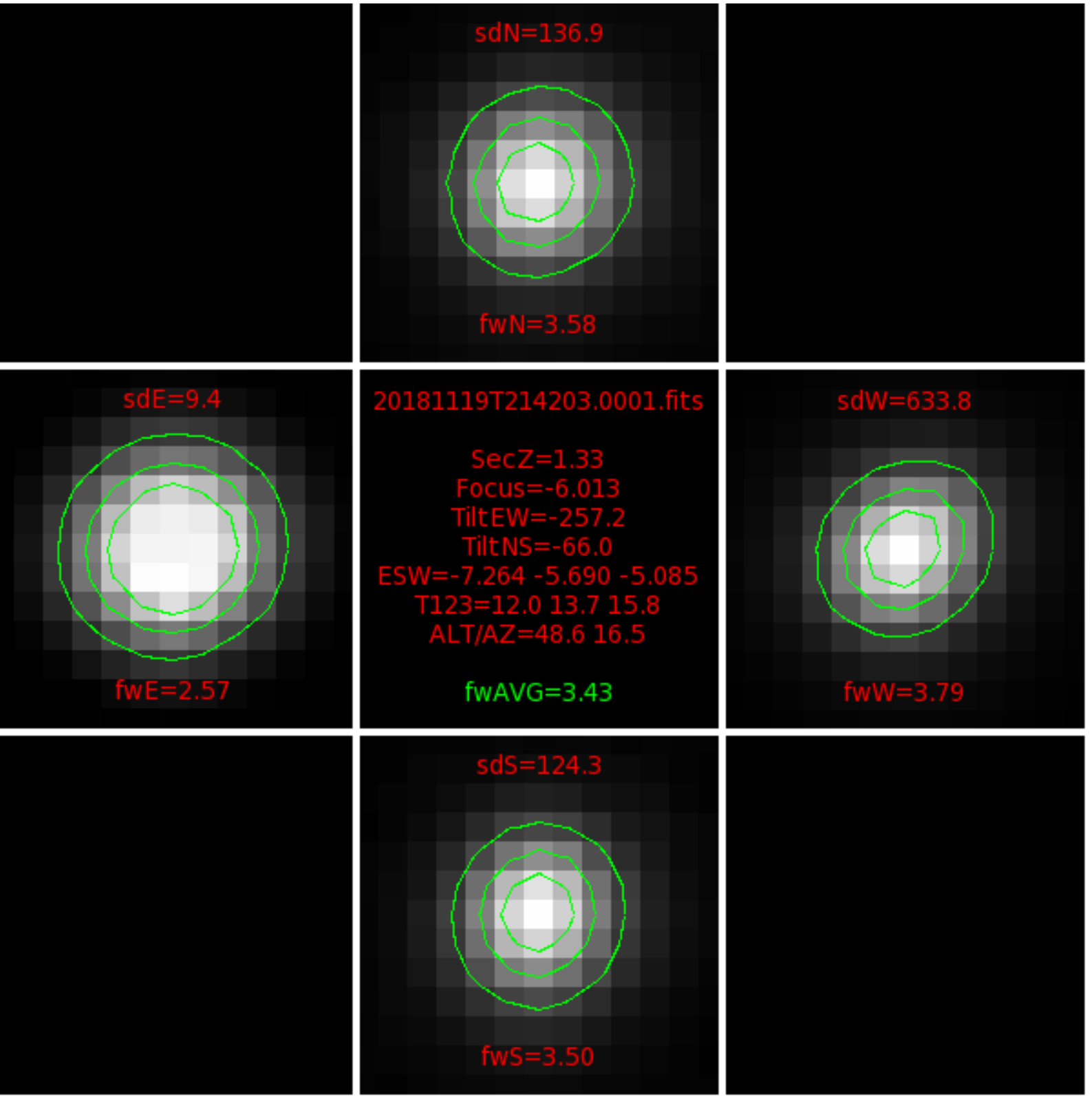
sdN=136.9
fwN=3.58
sdE=9.4
fwE=2.57
20181119T214203.0001.fits
SecZ=1.33
Focus=-6.013
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.264 -5.690 -5.085
T123=12.0 13.7 15.8
ALT/AZ=48.6 16.5
fwAVG=3.43
sdW=633.8
fwW=3.79
sdS=124.3
fwS=3.50
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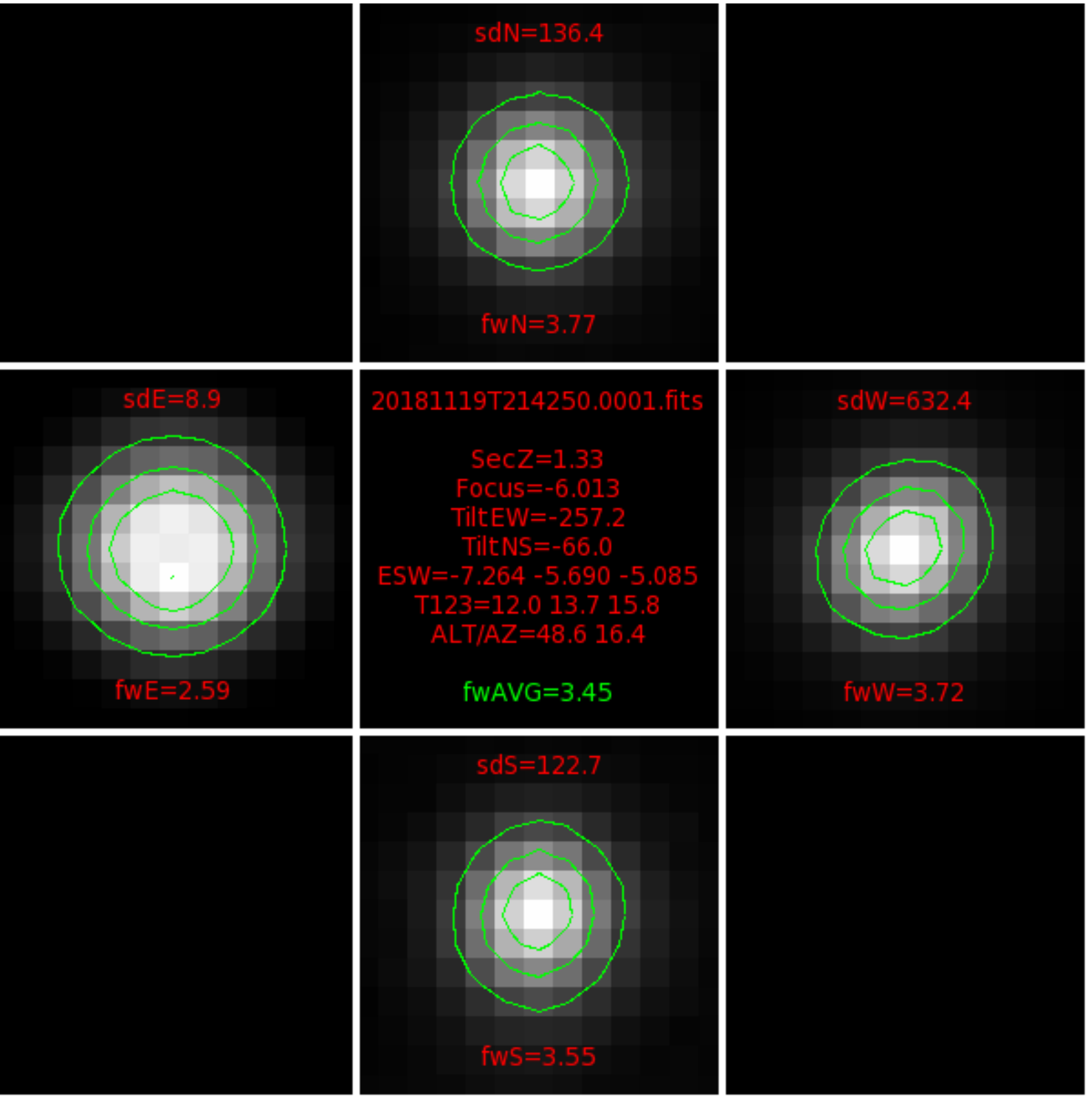
sdN=136.4
fwN=3.77
sdE=8.9
fwE=2.59
20181119T214250.0001.fits
SecZ=1.33
Focus=-6.013
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.264 -5.690 -5.085
T123=12.0 13.7 15.8
ALT/AZ=48.6 16.4
fwAVG=3.45
sdW=632.4
fwW=3.72
sdS=122.7
fwS=3.55
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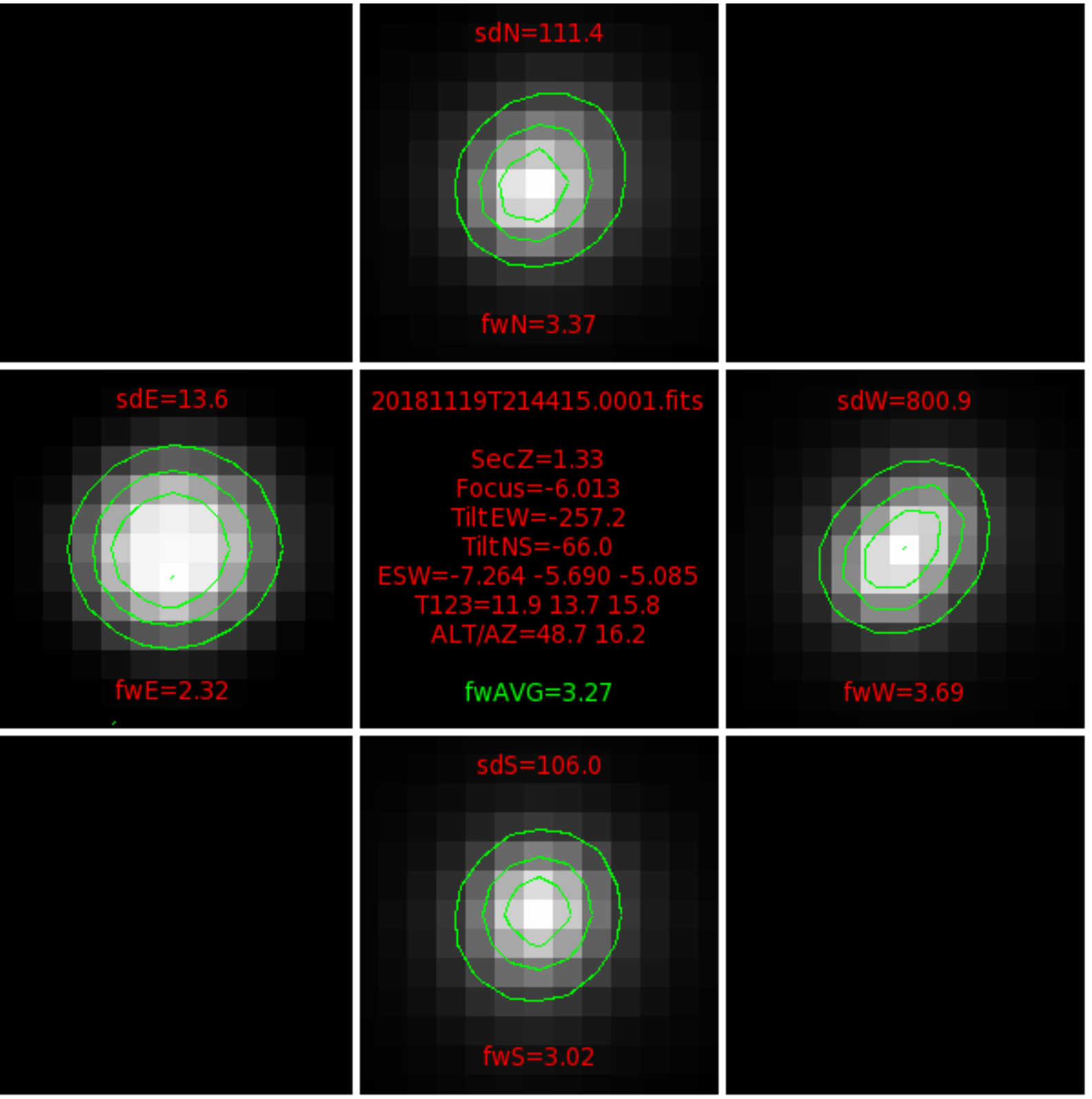
sdN=111.4
fwN=3.37
sdE=13.6
fwE=2.32
20181119T214415.0001.fits
SecZ=1.33
Focus=-6.013
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.264 -5.690 -5.085
T123=11.9 13.7 15.8
ALT/AZ=48.7 16.2
fwAVG=3.27
sdW=800.9
fwW=3.69
sdS=106.0
fwS=3.02
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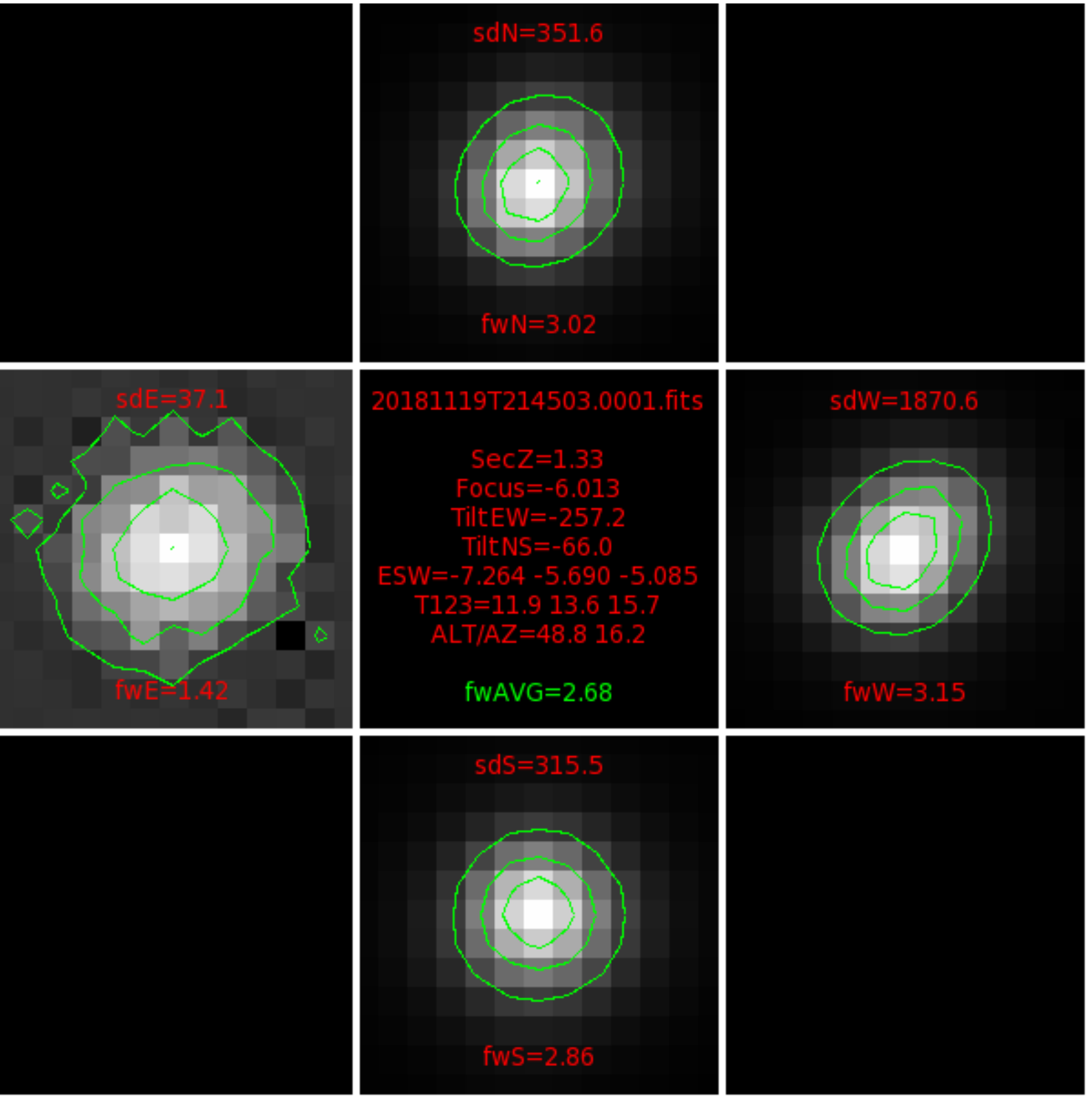
sdN=351.6
fwN=3.02
sdE=37.1
fwE=1.42
20181119T214503.0001.fits
SecZ=1.33
Focus=-6.013
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.264 -5.690 -5.085
T123=11.9 13.6 15.7
ALT/AZ=48.8 16.2
fwAVG=2.68
sdW=1870.6
fwW=3.15
sdS=315.5
fwS=2.86
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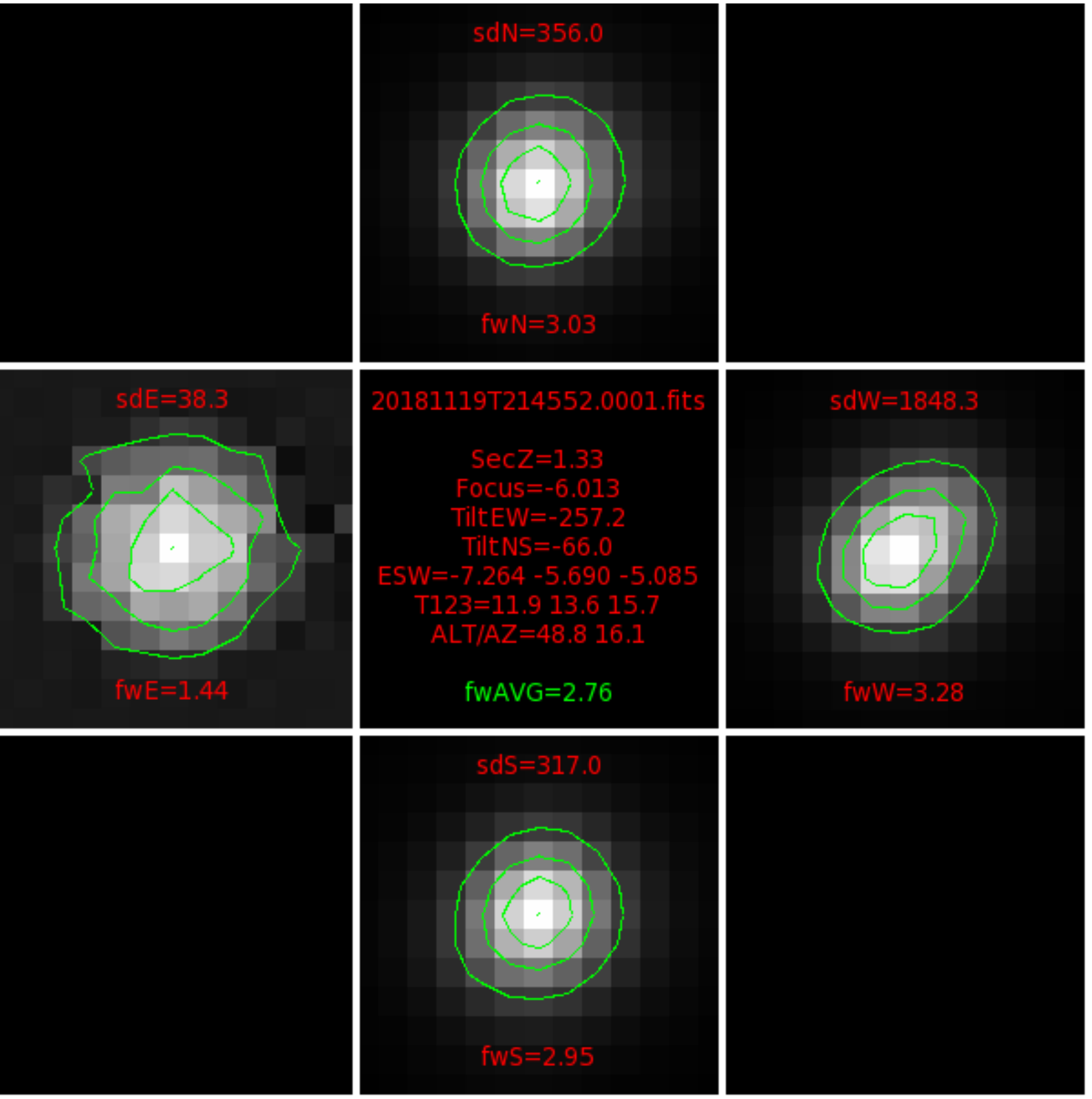
sdN=356.0
fwN=3.03
sdE=38.3
fwE=1.44
20181119T214552.0001.fits
SecZ=1.33
Focus=-6.013
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.264 -5.690 -5.085
T123=11.9 13.6 15.7
ALT/AZ=48.8 16.1
fwAVG=2.76
sdW=1848.3
fwW=3.28
sdS=317.0
fwS=2.95
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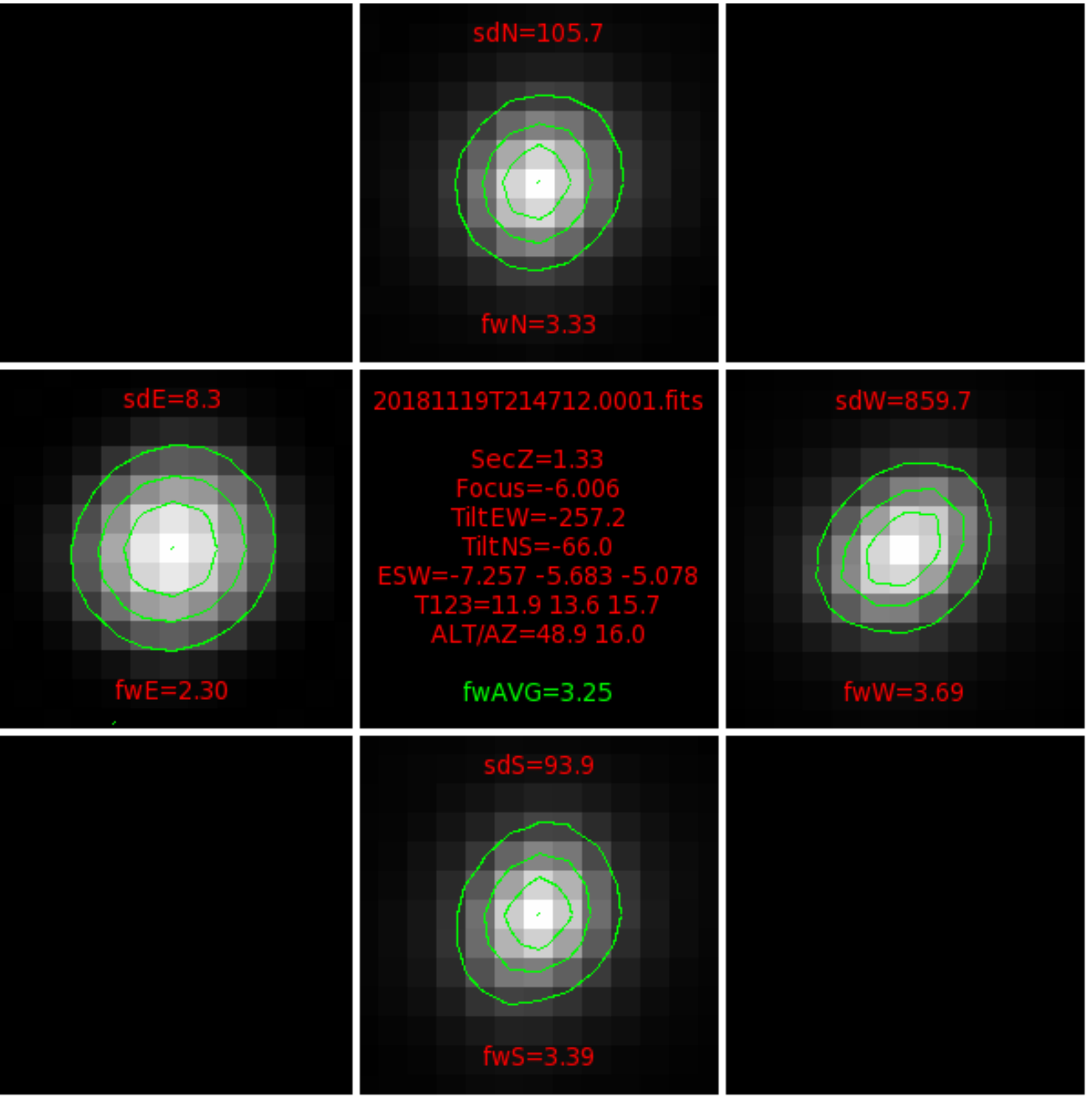
sdN=105.7
fwN=3.33
sdE=8.3
fwE=2.30
20181119T214712.0001.fits
SecZ=1.33
Focus=-6.006
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.257 -5.683 -5.078
T123=11.9 13.6 15.7
ALT/AZ=48.9 16.0
fwAVG=3.25
sdW=859.7
fwW=3.69
sdS=93.9
fwS=3.39
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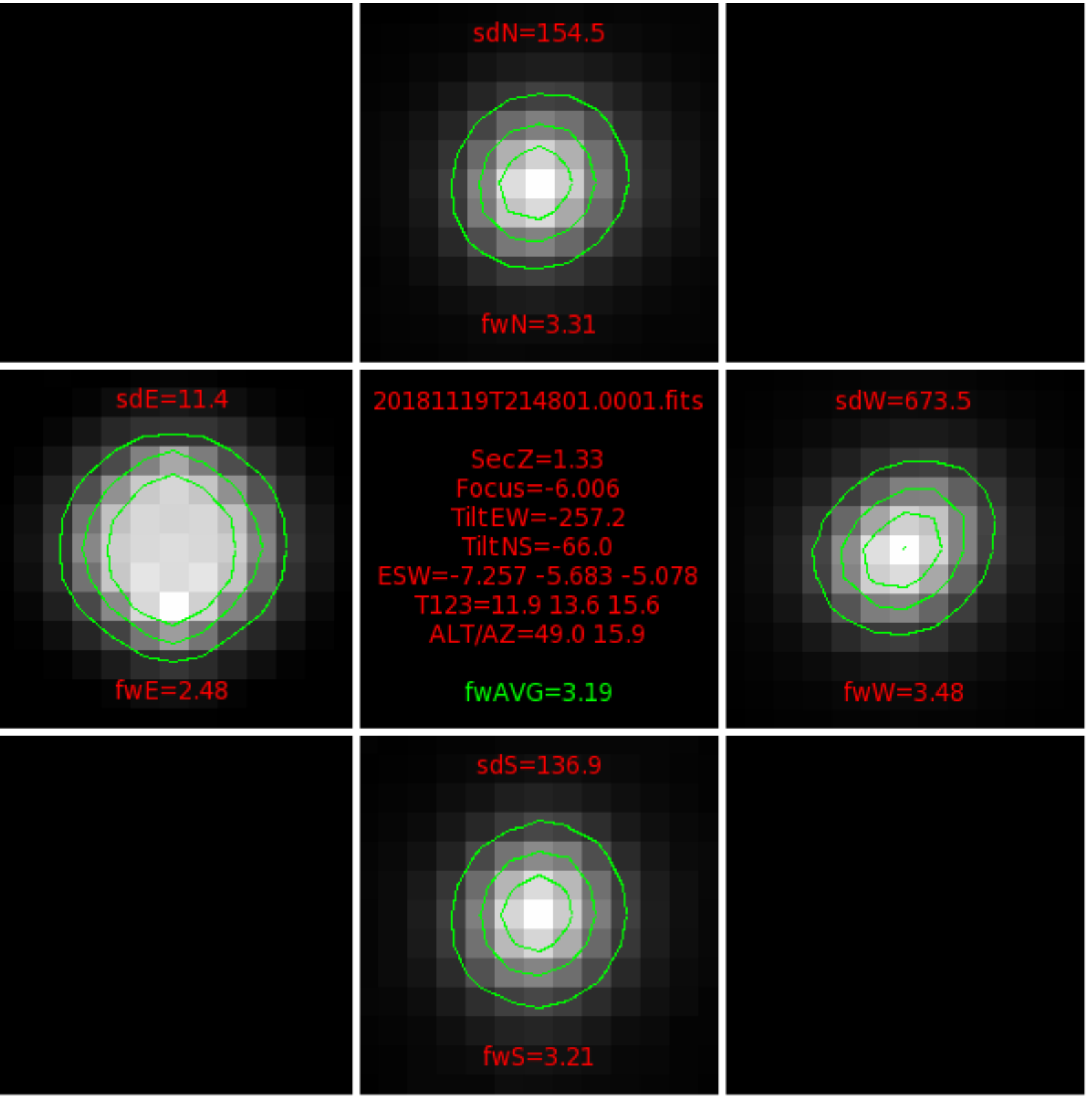
sdN=154.5
fwN=3.31
sdE=11.4
fwE=2.48
20181119T214801.0001.fits
SecZ=1.33
Focus=-6.006
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.257 -5.683 -5.078
T123=11.9 13.6 15.6
ALT/AZ=49.0 15.9
fwAVG=3.19
sdW=673.5
fwW=3.48
sdS=136.9
fwS=3.21
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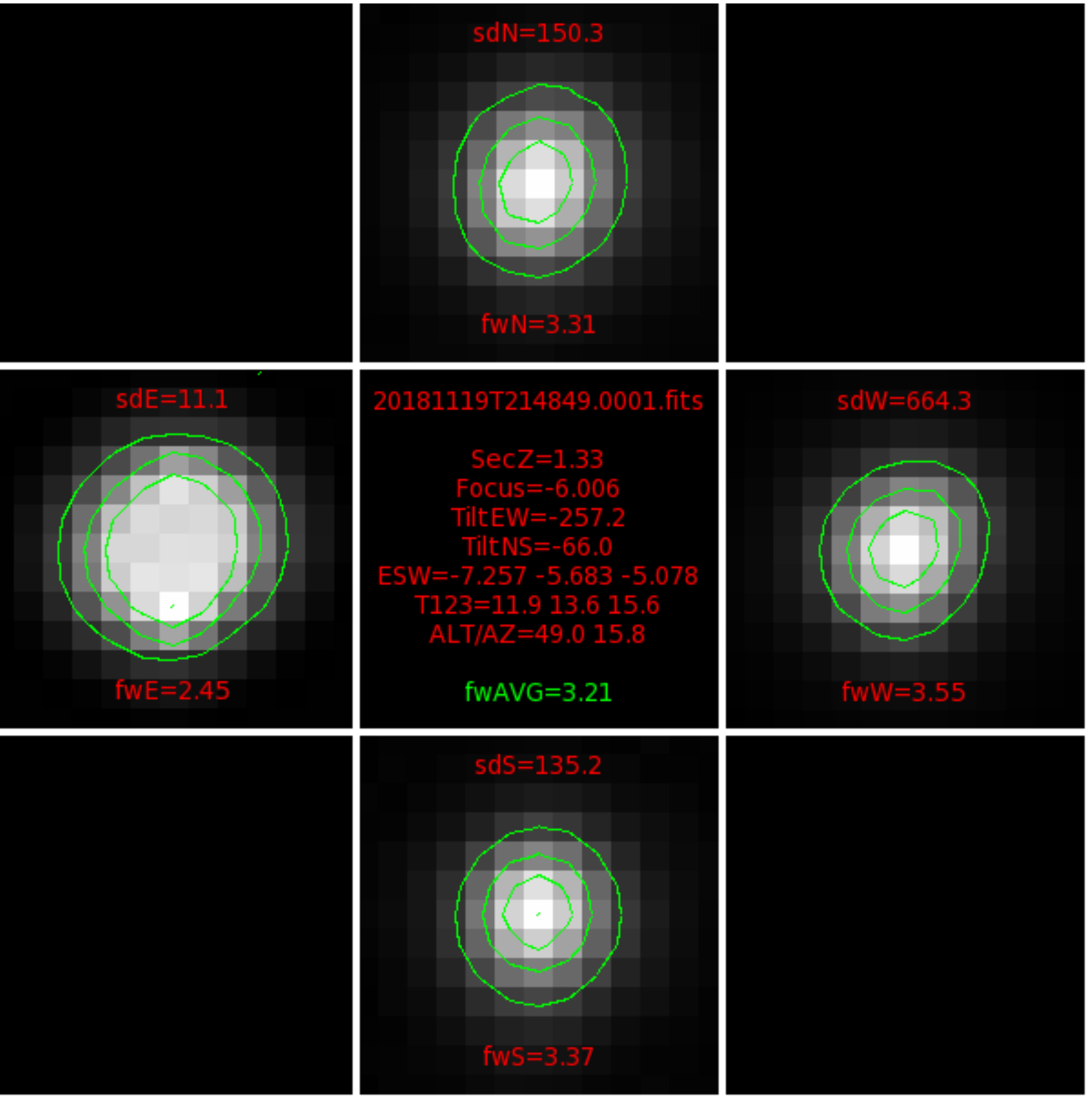
sdN=150.3
fwN=3.31
sdE=11.1
fwE=2.45
20181119T214849.0001.fits
SecZ=1.33
Focus=-6.006
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.257 -5.683 -5.078
T123=11.9 13.6 15.6
ALT/AZ=49.0 15.8
fwAVG=3.21
sdW=664.3
fwW=3.55
sdS=135.2
fwS=3.37
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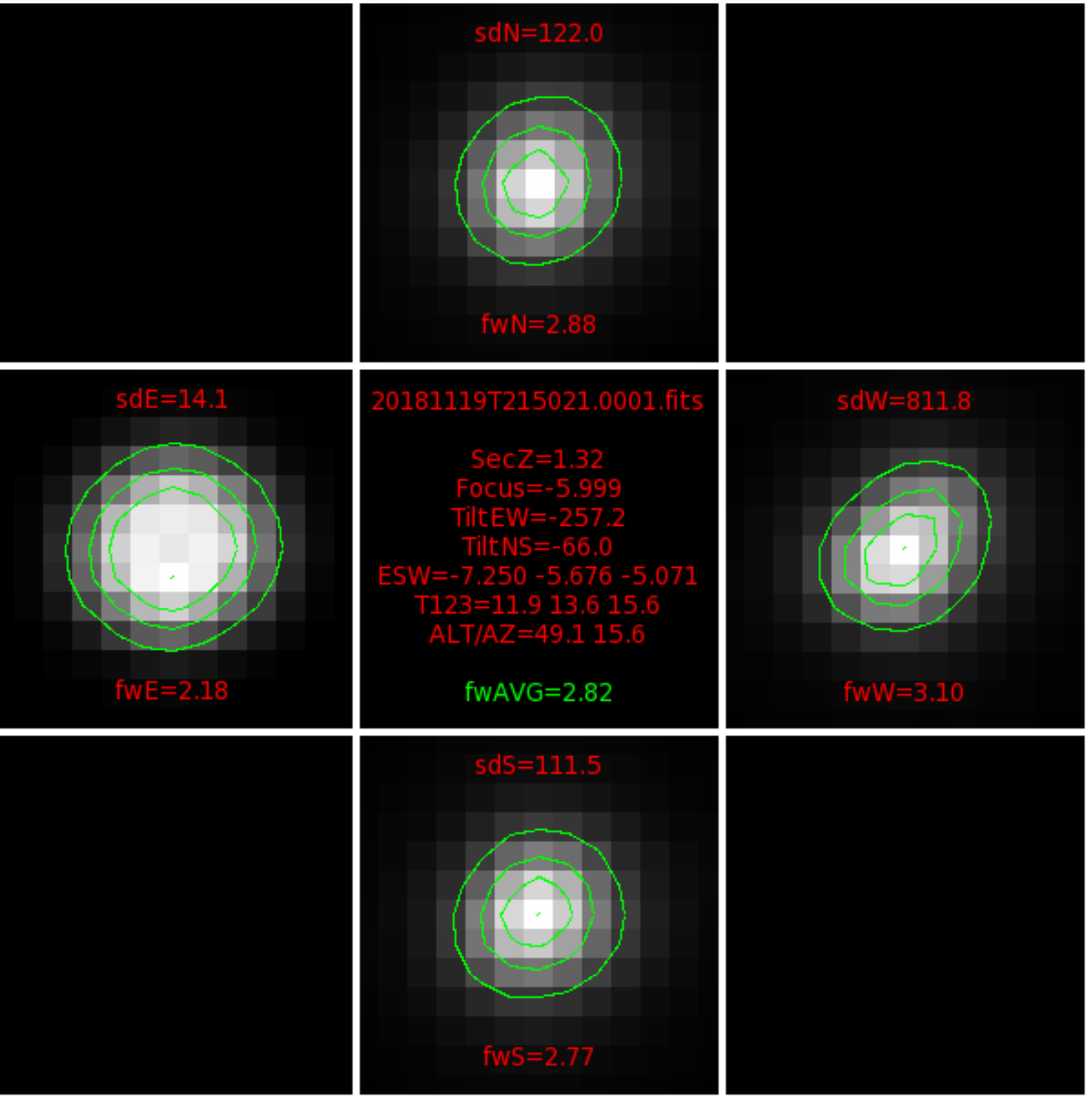
sdN=122.0
fwN=2.88
sdE=14.1
fwE=2.18
20181119T215021.0001.fits
SecZ=1.32
Focus=-5.999
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.250 -5.676 -5.071
T123=11.9 13.6 15.6
ALT/AZ=49.1 15.6
fwAVG=2.82
sdW=811.8
fwW=3.10
sdS=111.5
fwS=2.77
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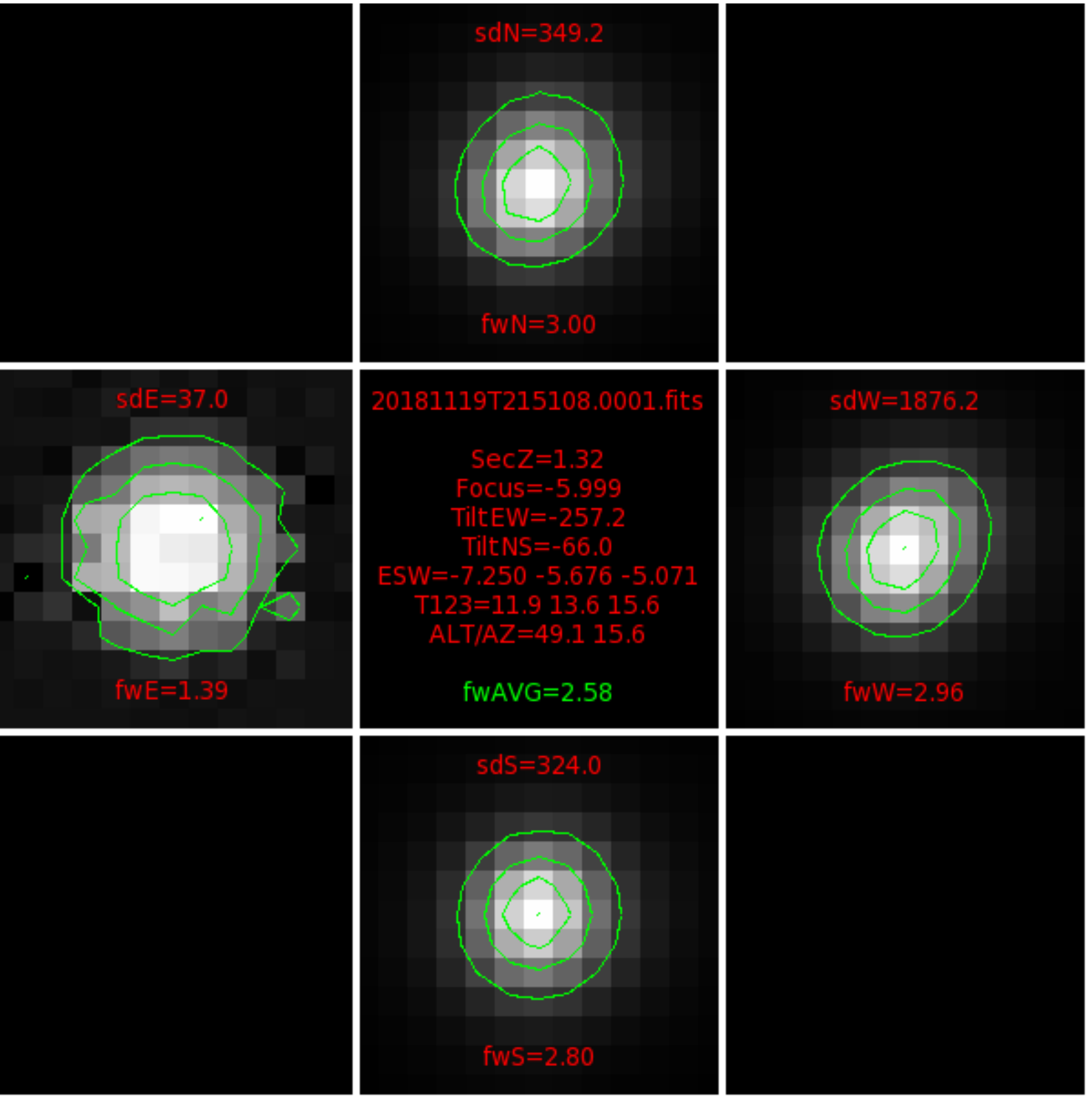
sdN=349.2
fwN=3.00
sdE=37.0
fwE=1.39
20181119T215108.0001.fits
SecZ=1.32
Focus=-5.999
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.250 -5.676 -5.071
T123=11.9 13.6 15.6
ALT/AZ=49.1 15.6
fwAVG=2.58
sdW=1876.2
fwW=2.96
sdS=324.0
fwS=2.80
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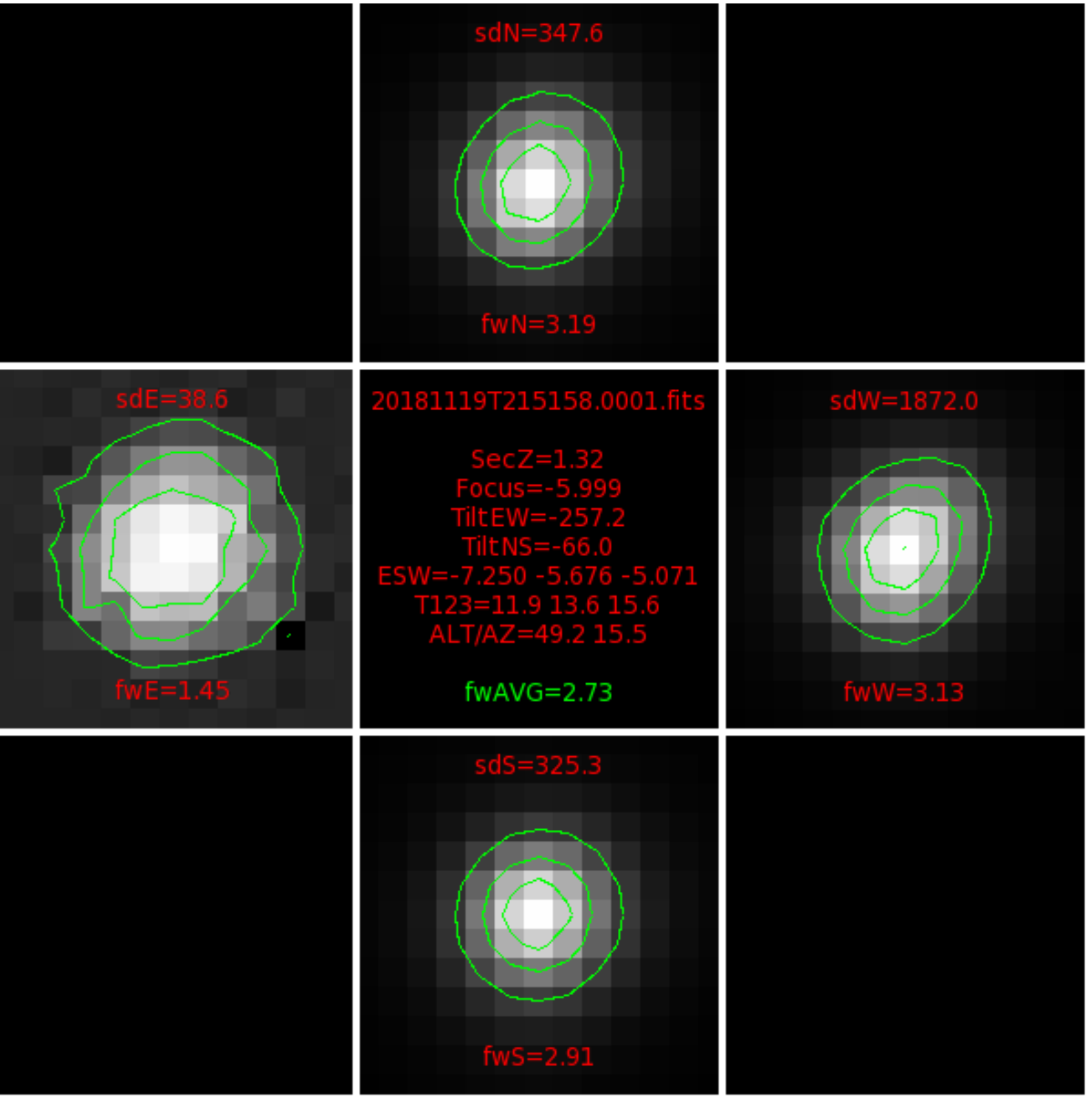
sdN=347.6
fwN=3.19
sdE=38.6
fwE=1.45
20181119T215158.0001.fits
SecZ=1.32
Focus=-5.999
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.250 -5.676 -5.071
T123=11.9 13.6 15.6
ALT/AZ=49.2 15.5
fwAVG=2.73
sdW=1872.0
fwW=3.13
sdS=325.3
fwS=2.91
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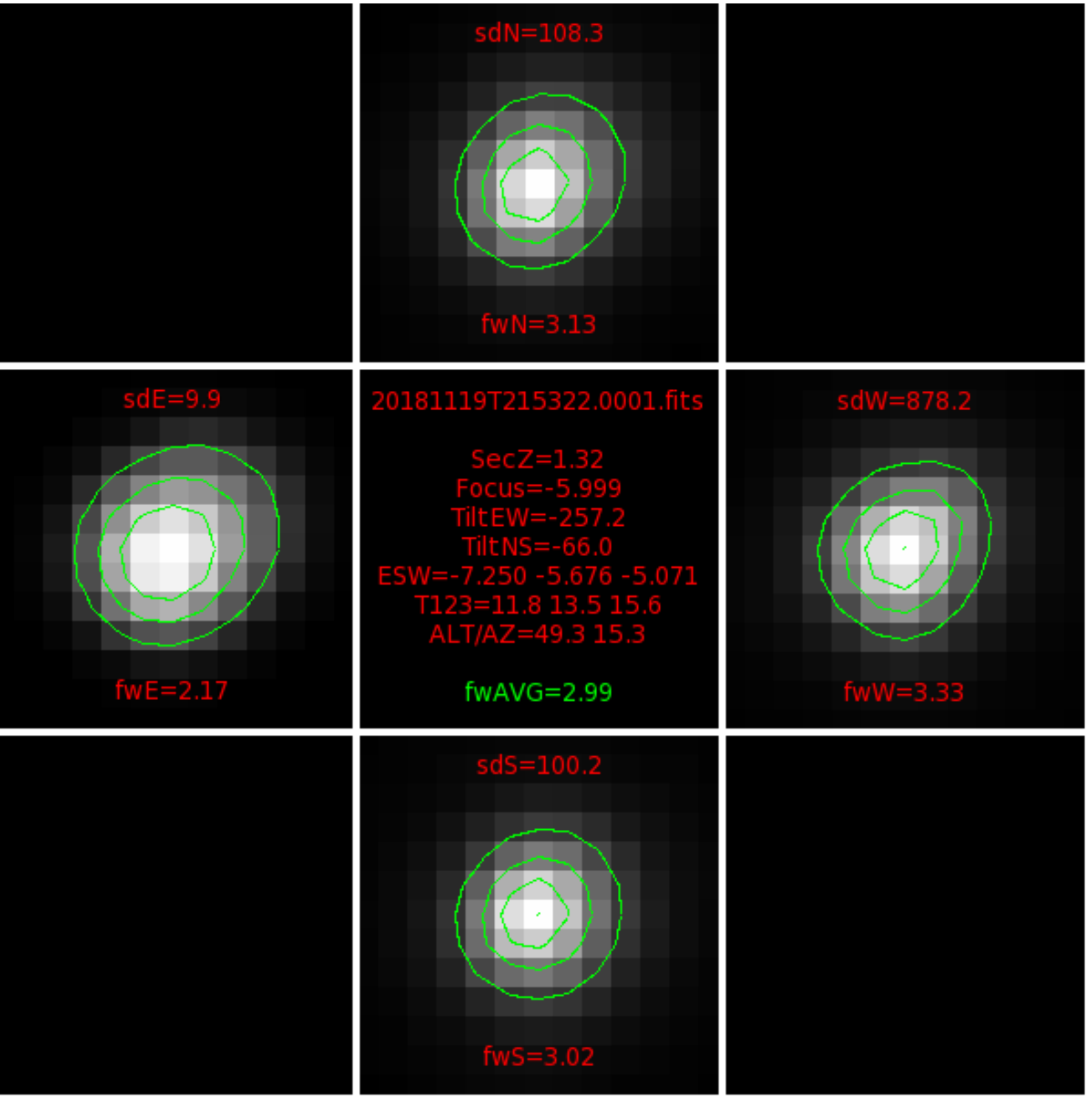
sdN=108.3
fwN=3.13
sdE=9.9
fwE=2.17
20181119T215322.0001.fits
SecZ=1.32
Focus=-5.999
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.250 -5.676 -5.071
T123=11.8 13.5 15.6
ALT/AZ=49.3 15.3
fwAVG=2.99
sdW=878.2
fwW=3.33
sdS=100.2
fwS=3.02
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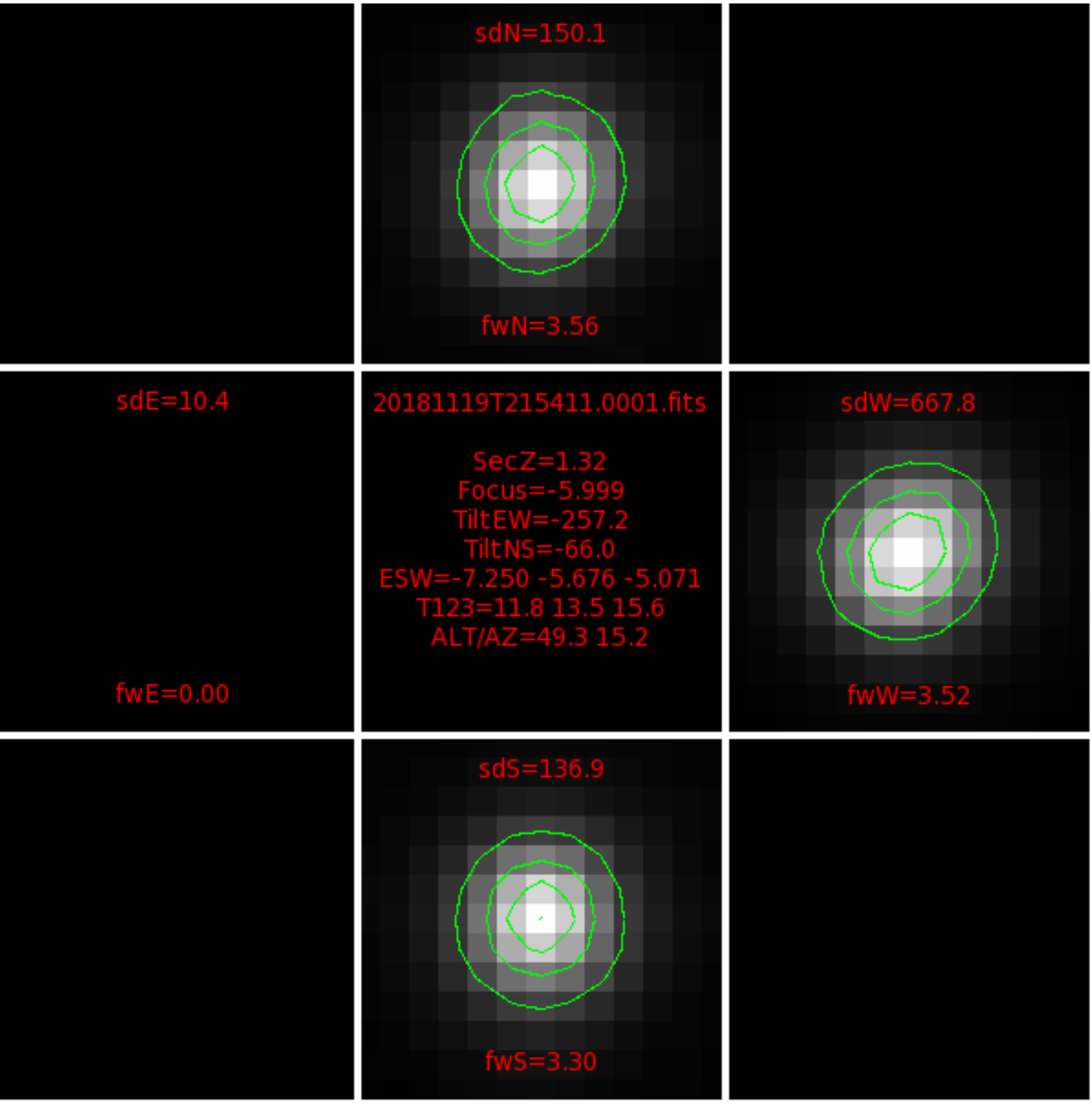
sdN=150.1
fwN=3.56
sdE=10.4
fwE=0.00
20181119T215411.0001.fits
SecZ=1.32
Focus=-5.999
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.250 -5.676 -5.071
T123=11.8 13.5 15.6
ALT/AZ=49.3 15.2
sdW=667.8
fwW=3.52
sdS=136.9
fwS=3.30
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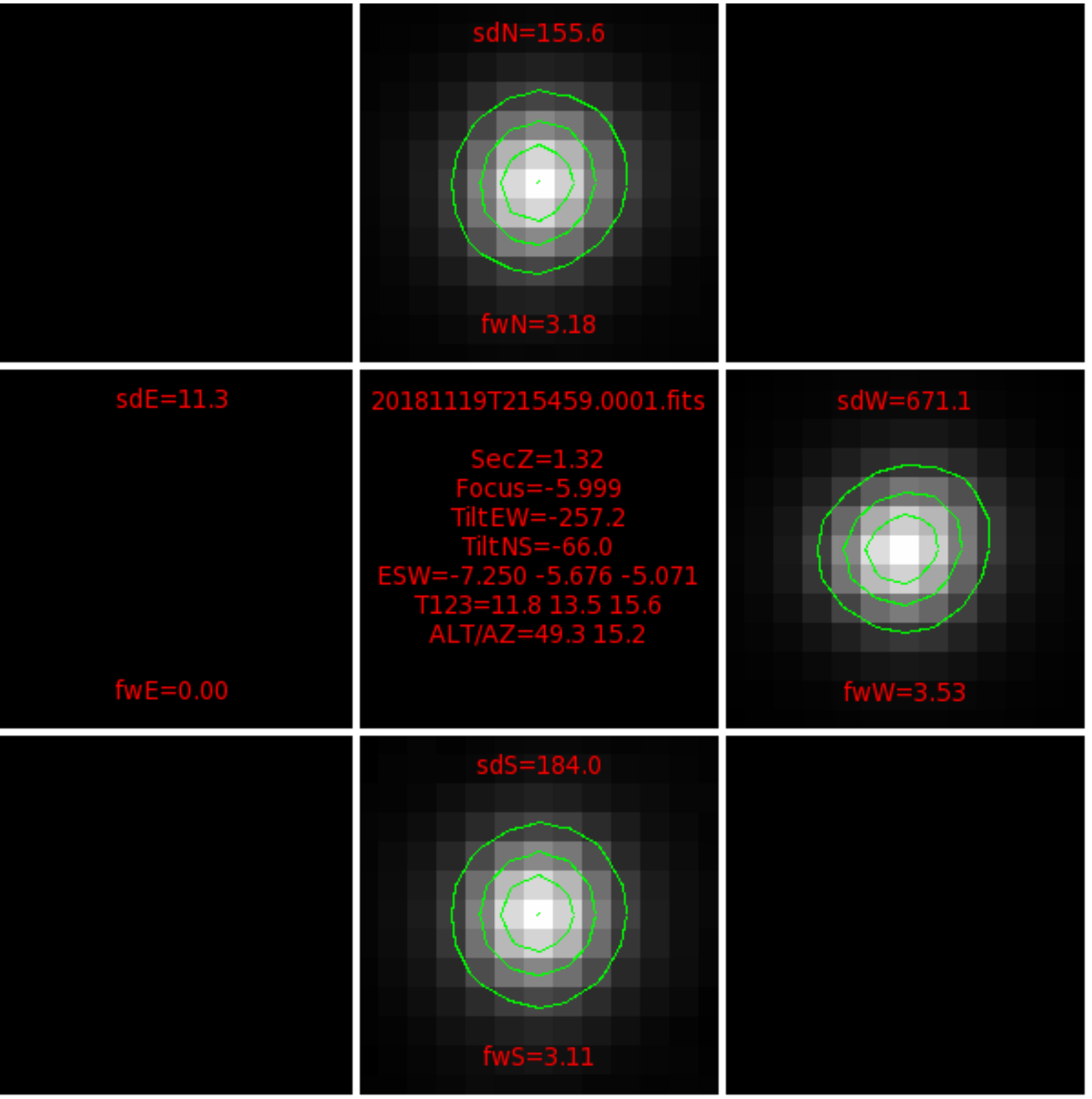
sdN=155.6
fwN=3.18
sdE=11.3
fwE=0.00
20181119T215459.0001.fits
SecZ=1.32
Focus=-5.999
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.250 -5.676 -5.071
T123=11.8 13.5 15.6
ALT/AZ=49.3 15.2
sdW=671.1
fwW=3.53
sdS=184.0
fwS=3.11
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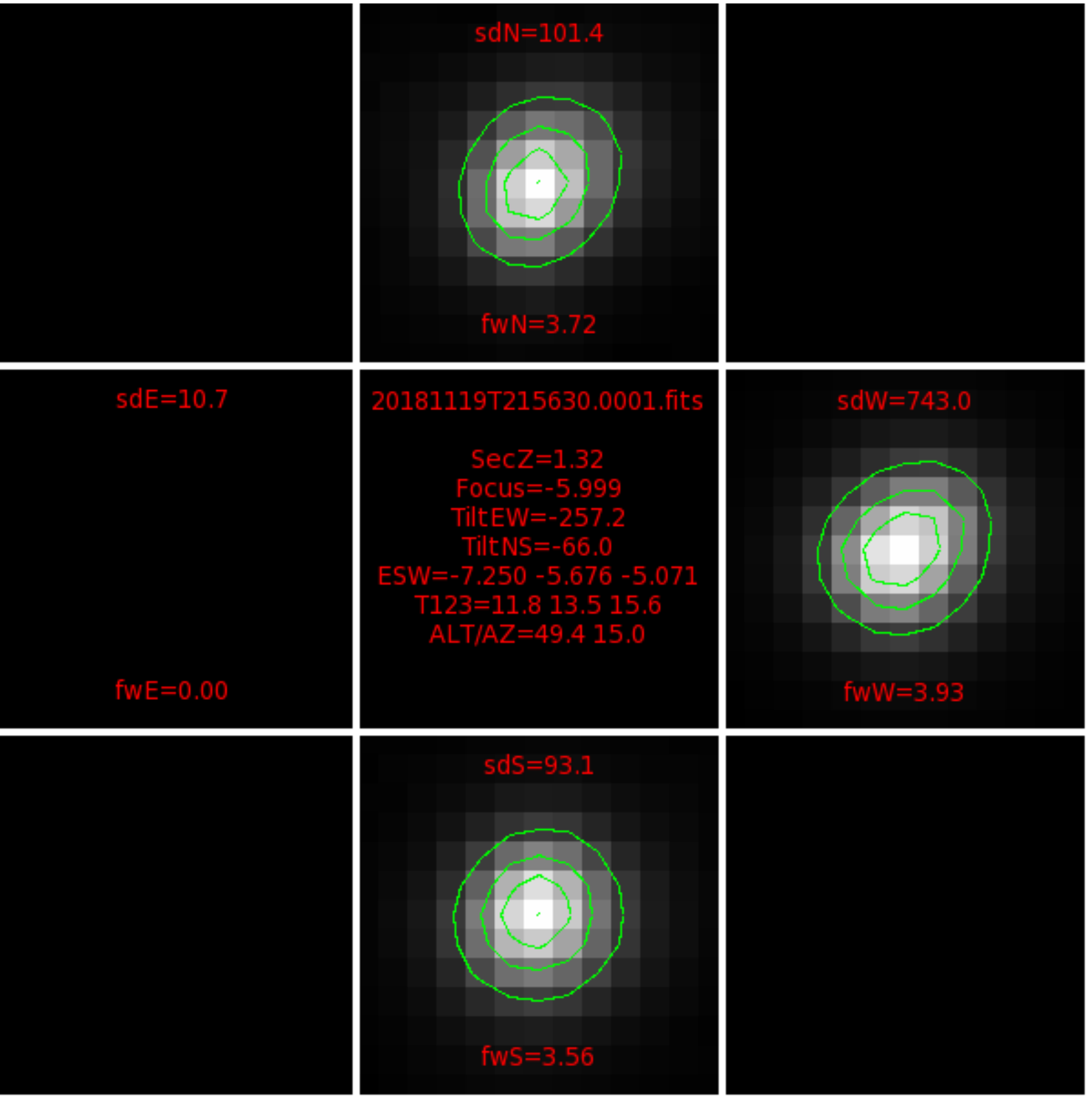
sdN=101.4
fwN=3.72
sdE=10.7
fwE=0.00
20181119T215630.0001.fits
SecZ=1.32
Focus=-5.999
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.250 -5.676 -5.071
T123=11.8 13.5 15.6
ALT/AZ=49.4 15.0
sdW=743.0
fwW=3.93
sdS=93.1
fwS=3.56
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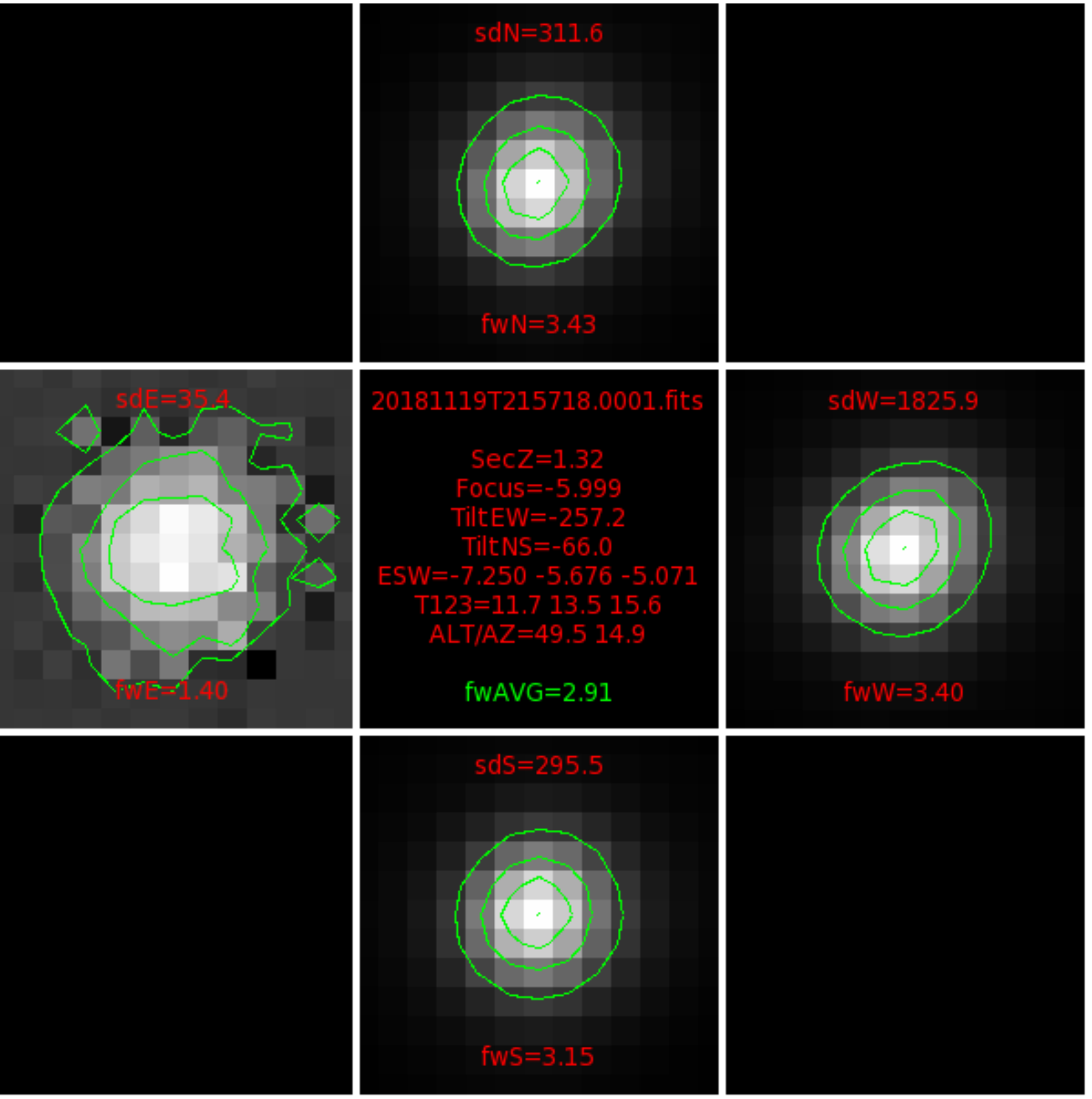
sdN=311.6
fwN=3.43
sdE=35.4
fwE=1.40
20181119T215718.0001.fits
SecZ=1.32
Focus=-5.999
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.250 -5.676 -5.071
T123=11.7 13.5 15.6
ALT/AZ=49.5 14.9
fwAVG=2.91
sdW=1825.9
fwW=3.40
sdS=295.5
fwS=3.15
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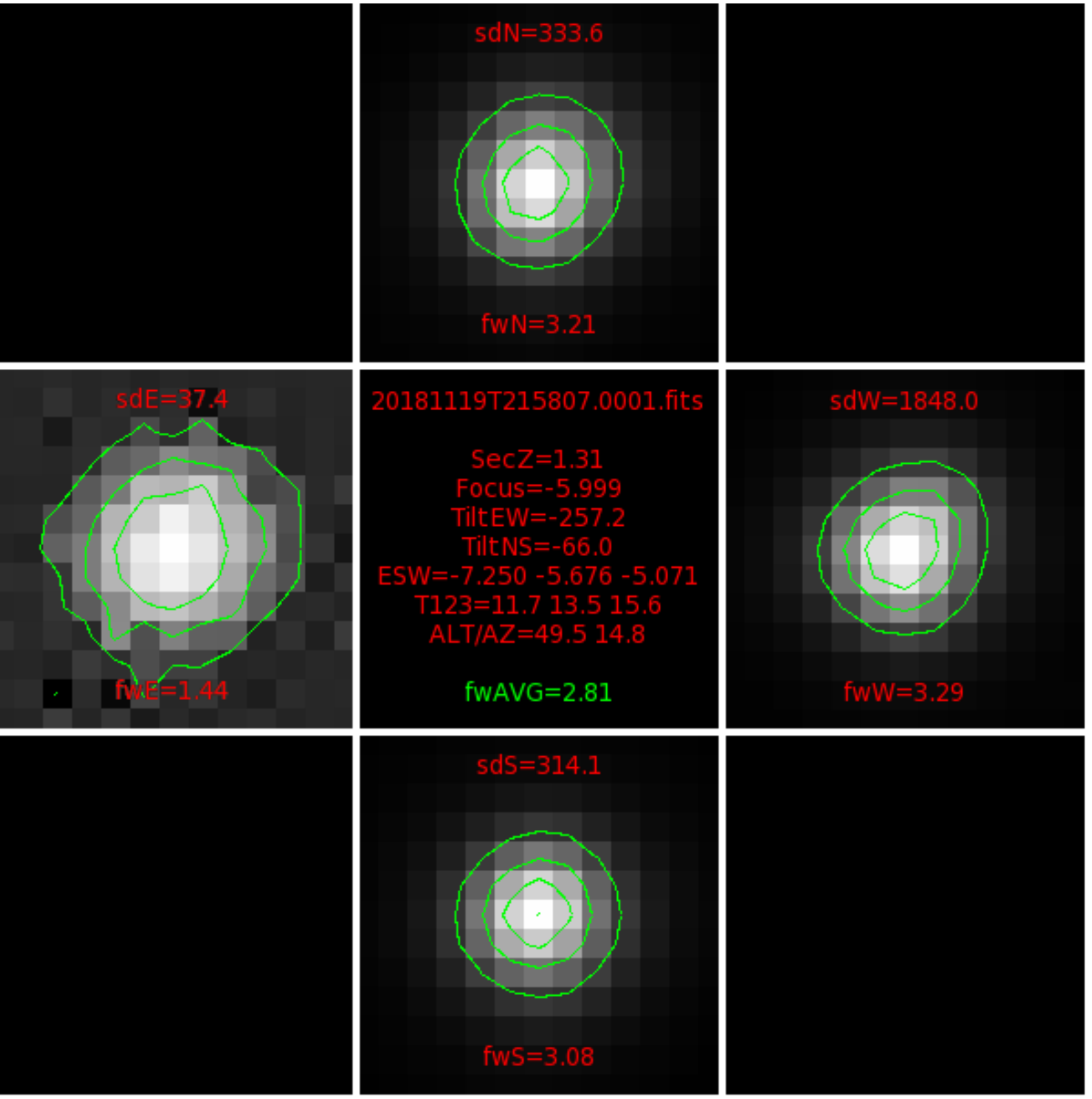
sdN=333.6
fwN=3.21
sdE=37.4
fwE=1.44
20181119T215807.0001.fits
SecZ=1.31
Focus=-5.999
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.250 -5.676 -5.071
T123=11.7 13.5 15.6
ALT/AZ=49.5 14.8
fwAVG=2.81
sdW=1848.0
fwW=3.29
sdS=314.1
fwS=3.08
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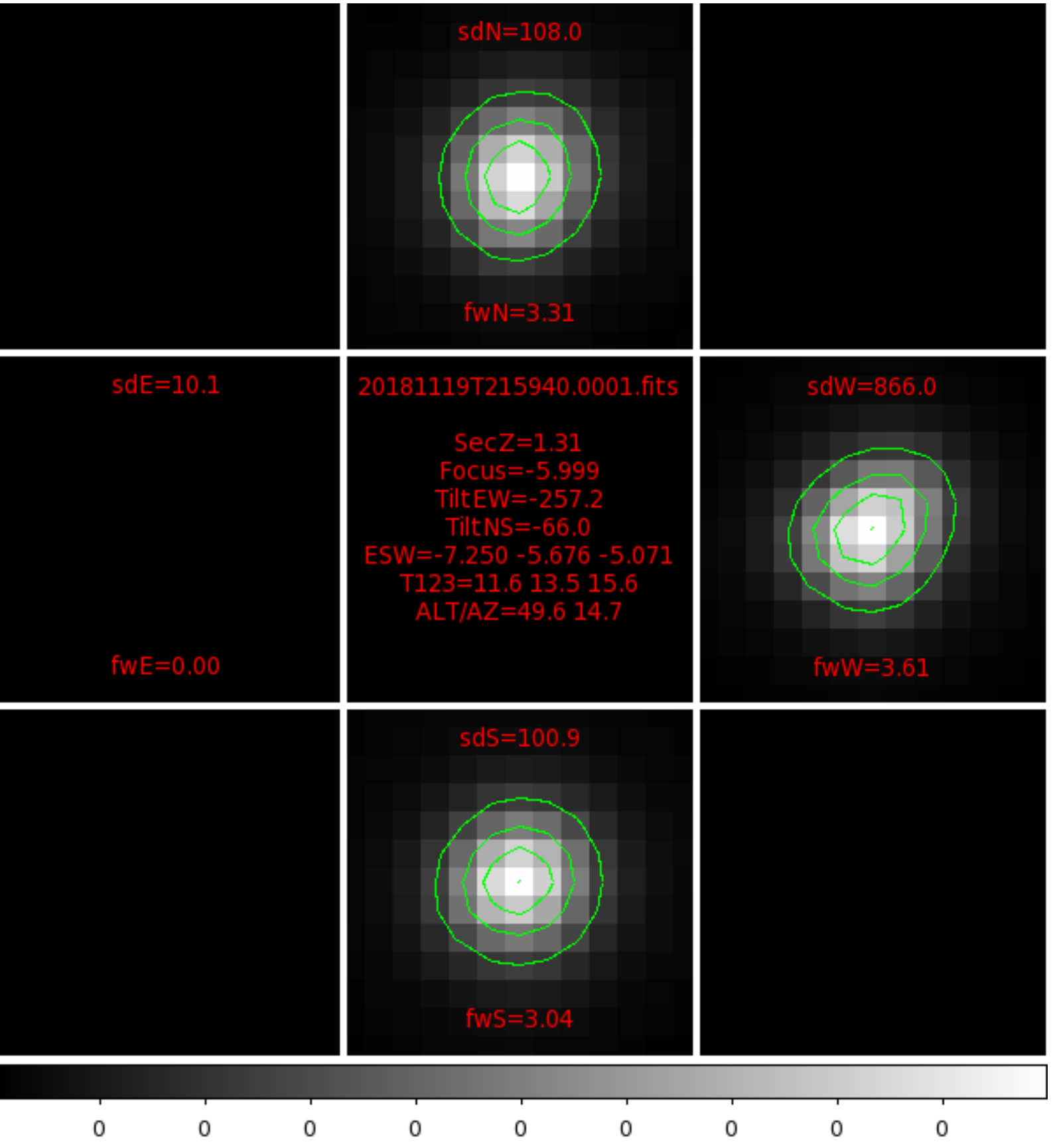
sdN=108.0
fwN=3.31
sdE=10.1
fwE=0.00
20181119T215940.0001.fits
SecZ=1.31
Focus=-5.999
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.250 -5.676 -5.071
T123=11.6 13.5 15.6
ALT/AZ=49.6 14.7
sdW=866.0
fwW=3.61
sdS=100.9
fwS=3.04
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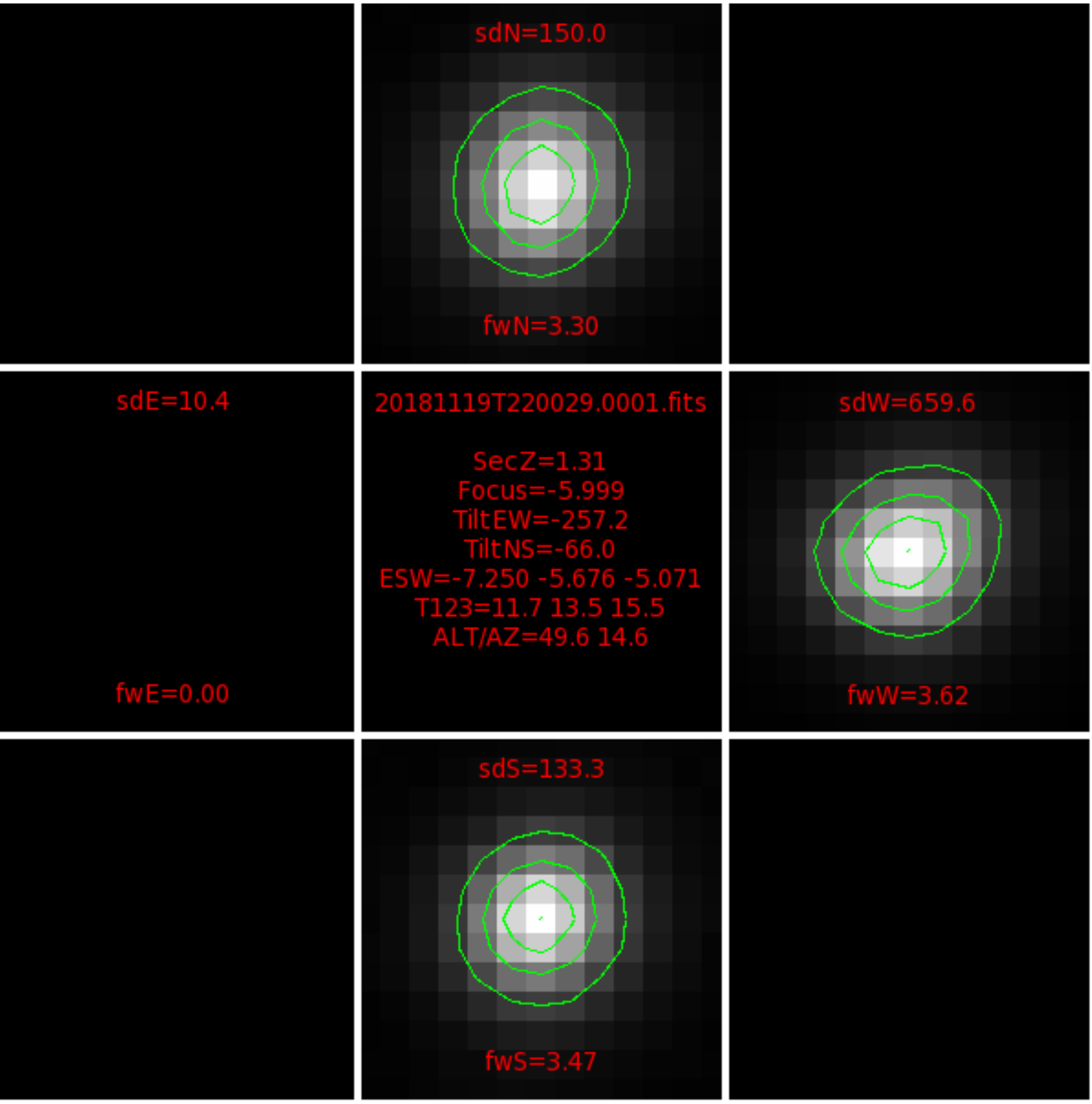
sdN=150.0
fwN=3.30
sdE=10.4
fwE=0.00
20181119T220029.0001.fits
SecZ=1.31
Focus=-5.999
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.250 -5.676 -5.071
T123=11.7 13.5 15.5
ALT/AZ=49.6 14.6
sdW=659.6
fwW=3.62
sdS=133.3
fwS=3.47
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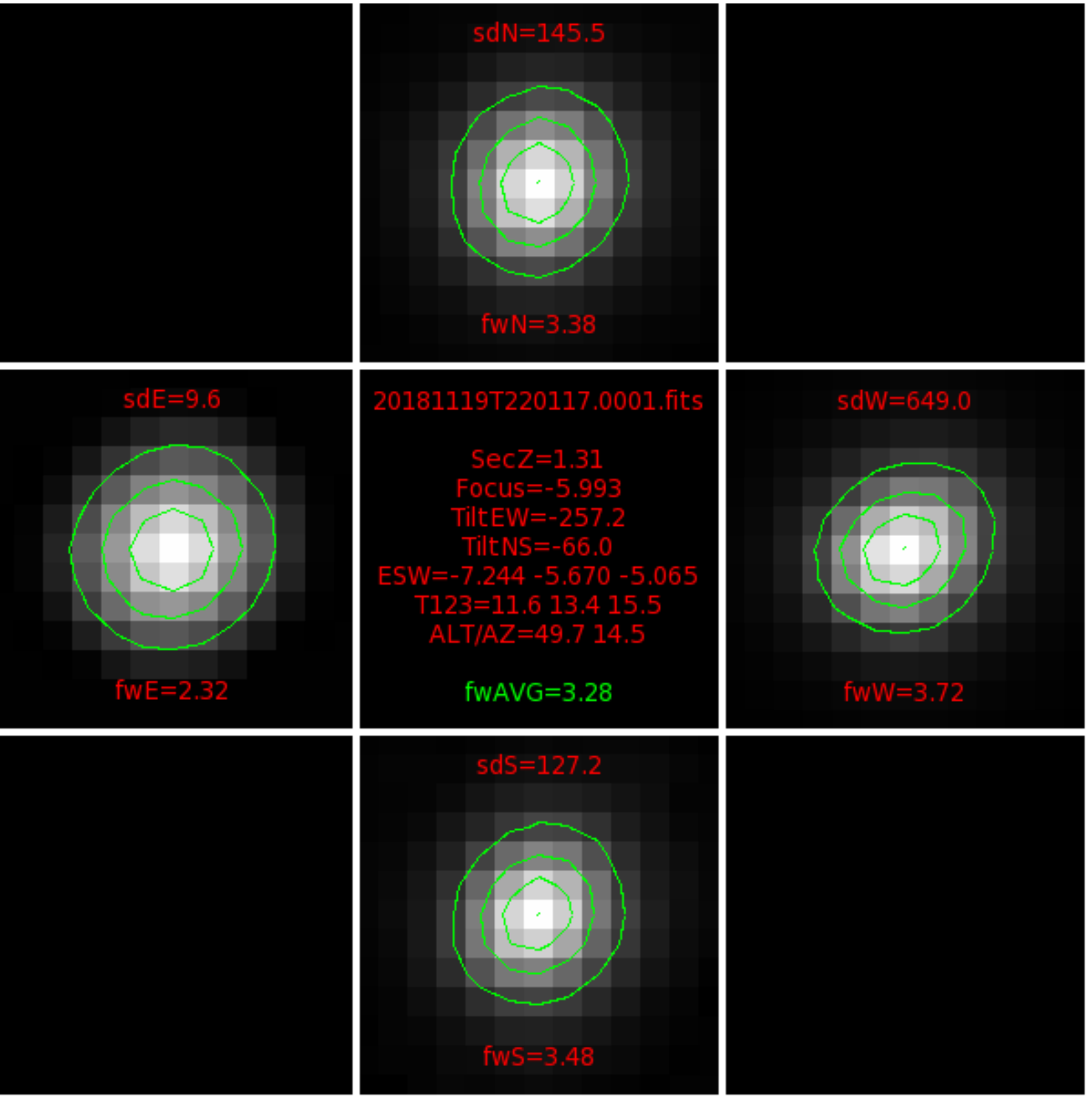
sdN=145.5
fwN=3.38
sdE=9.6
fwE=2.32
20181119T220117.0001.fits
SecZ=1.31
Focus=-5.993
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.244 -5.670 -5.065
T123=11.6 13.4 15.5
ALT/AZ=49.7 14.5
fwAVG=3.28
sdW=649.0
fwW=3.72
sdS=127.2
fwS=3.48
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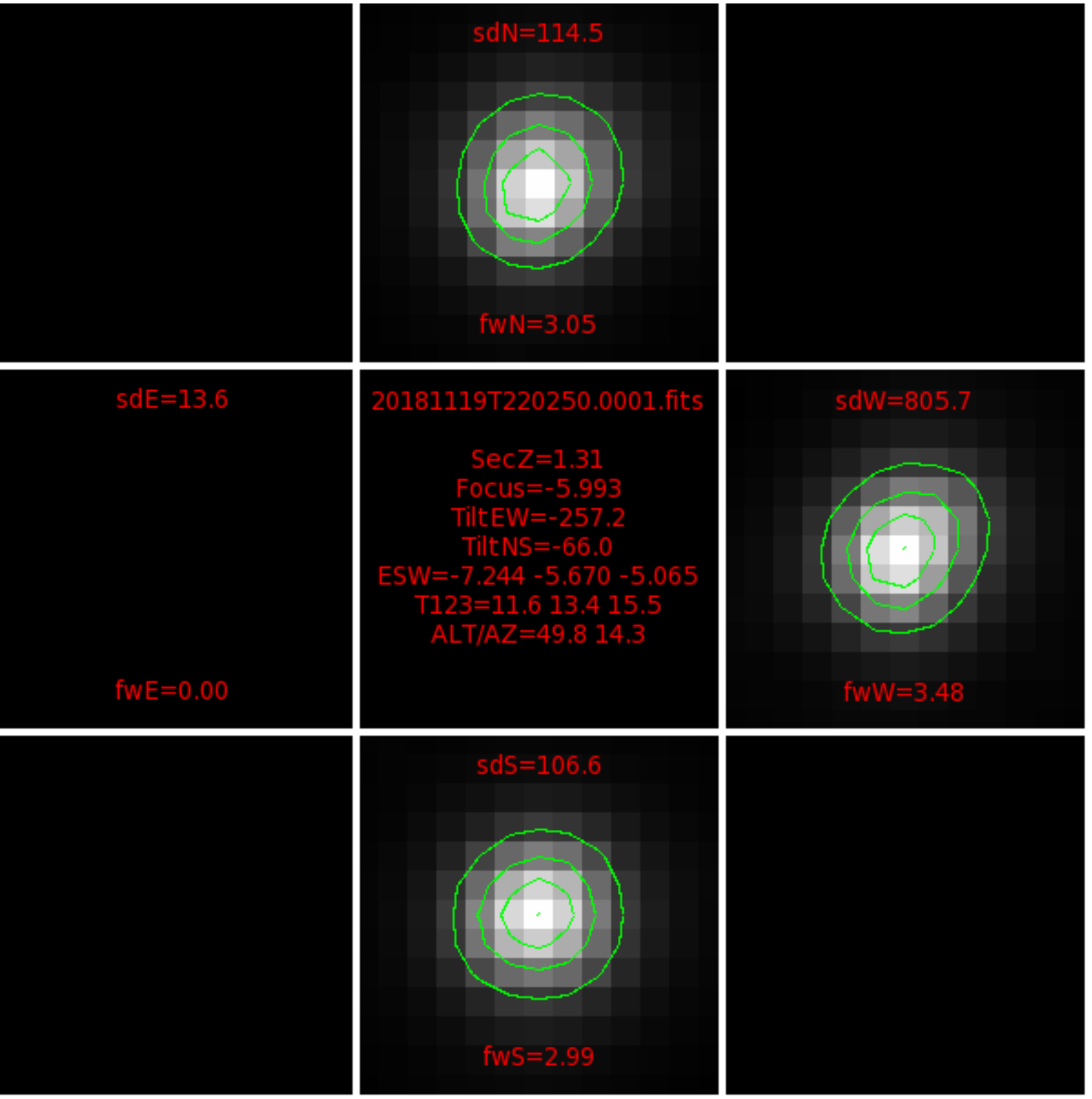
sdN=114.5
fwN=3.05
sdE=13.6
fwE=0.00
20181119T220250.0001.fits
SecZ=1.31
Focus=-5.993
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.244 -5.670 -5.065
T123=11.6 13.4 15.5
ALT/AZ=49.8 14.3
sdW=805.7
fwW=3.48
sdS=106.6
fwS=2.99
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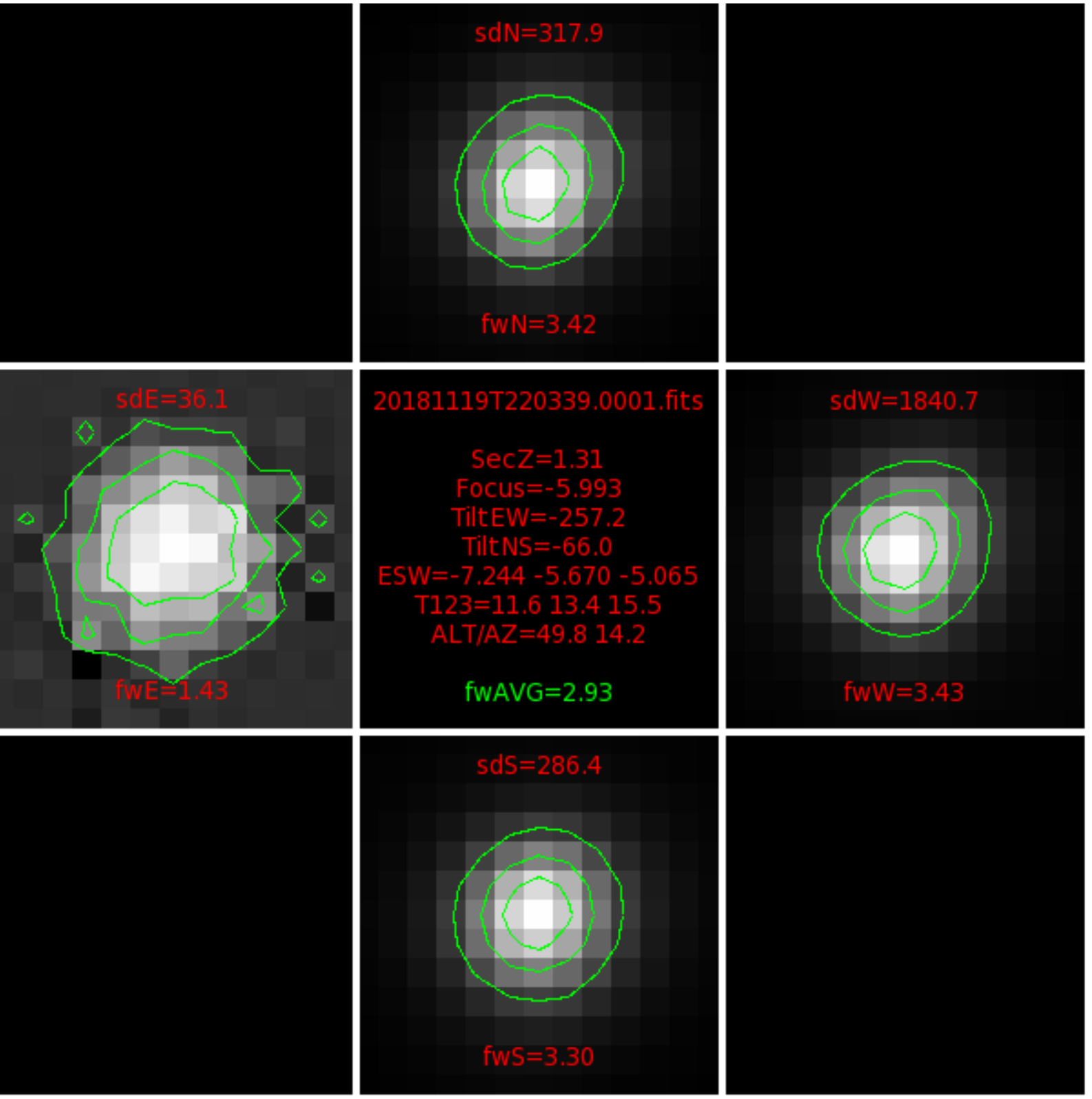
sdN=317.9
fwN=3.42
sdE=36.1
fwE=1.43
20181119T220339.0001.fits
SecZ=1.31
Focus=-5.993
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.244 -5.670 -5.065
T123=11.6 13.4 15.5
ALT/AZ=49.8 14.2
fwAVG=2.93
sdW=1840.7
fwW=3.43
sdS=286.4
fwS=3.30
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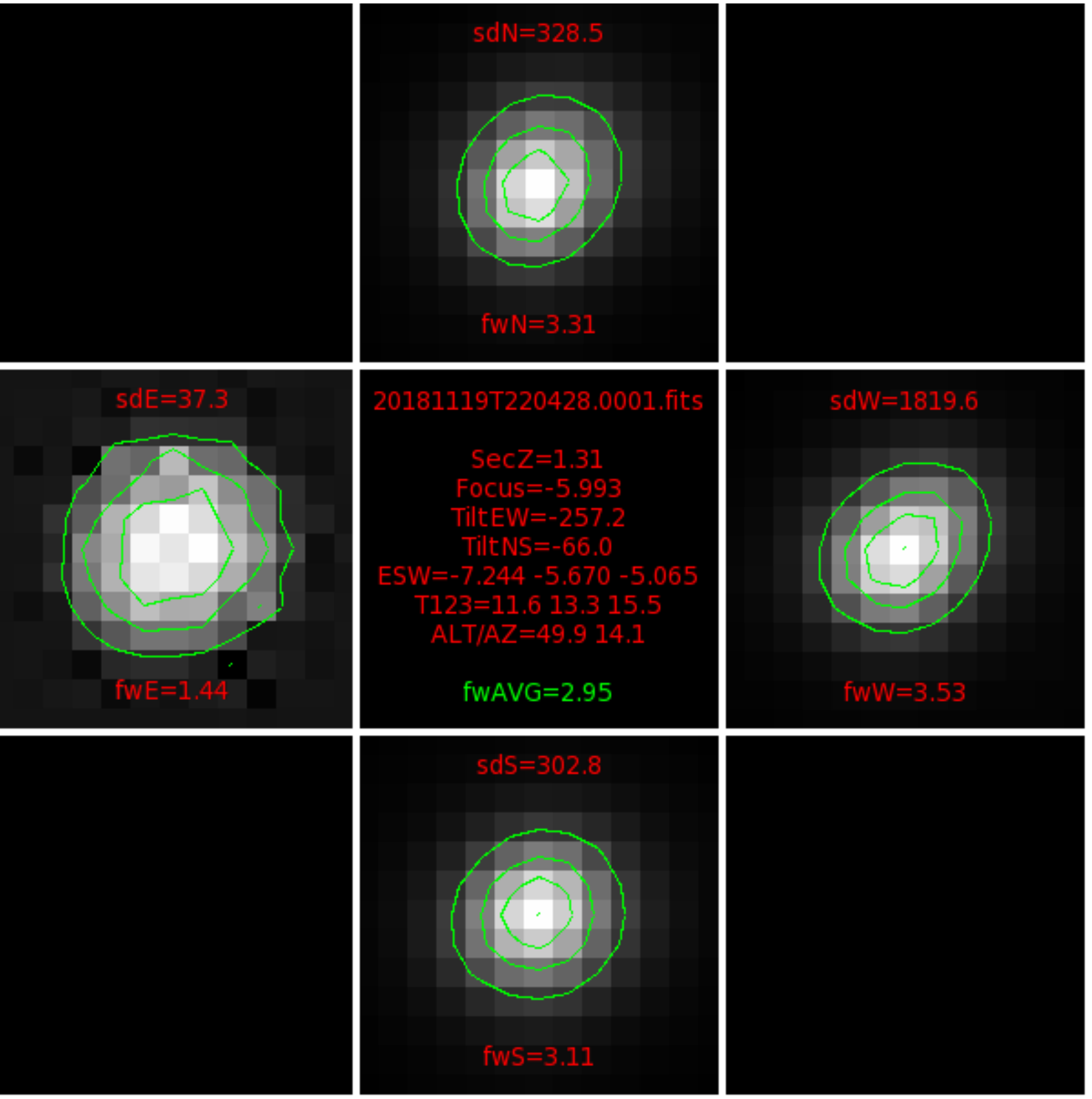
sdN=328.5
fwN=3.31
sdE=37.3
fwE=1.44
20181119T220428.0001.fits
SecZ=1.31
Focus=-5.993
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.244 -5.670 -5.065
T123=11.6 13.3 15.5
ALT/AZ=49.9 14.1
fwAVG=2.95
sdW=1819.6
fwW=3.53
sdS=302.8
fwS=3.11
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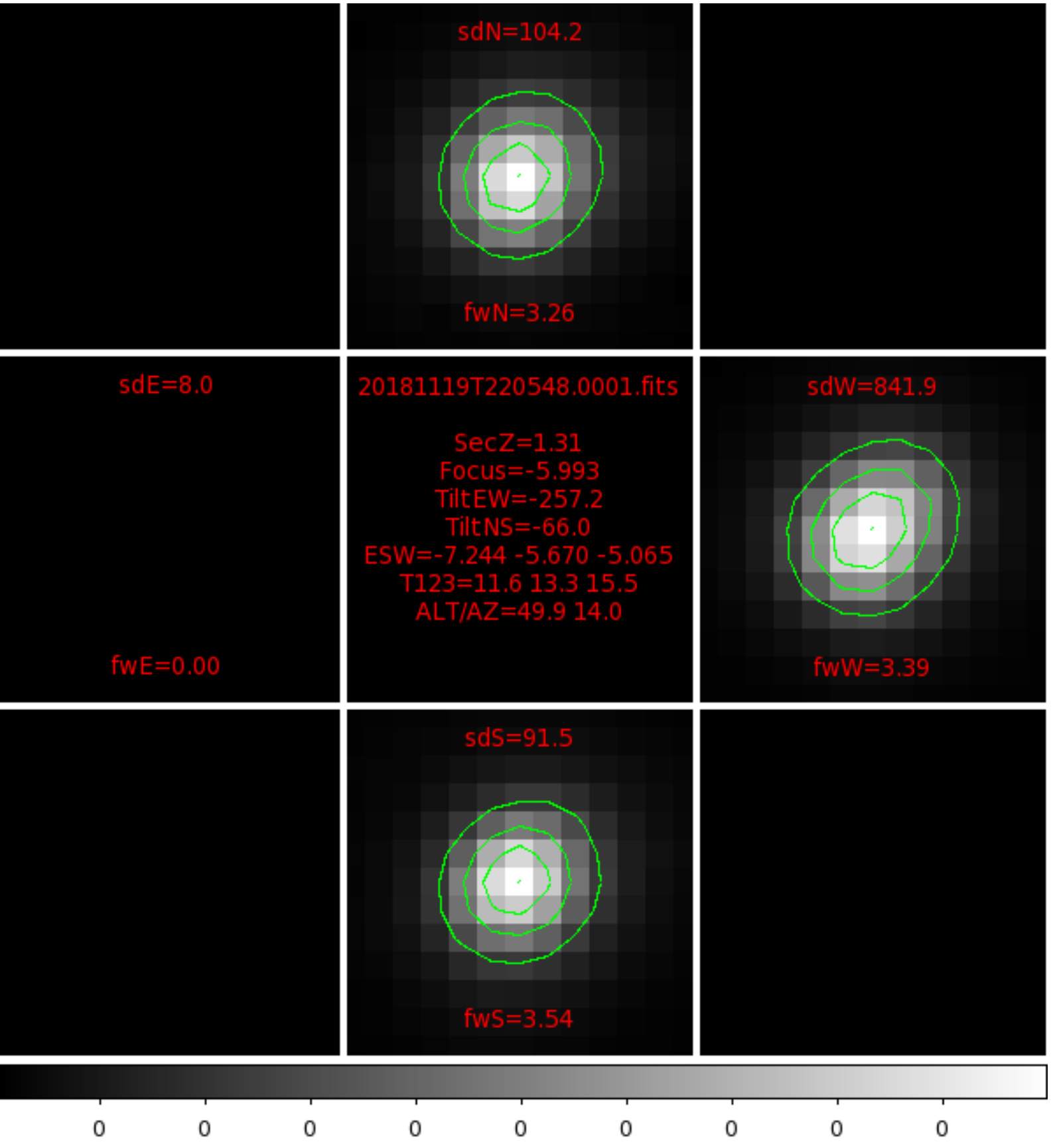
sdN=104.2
fwN=3.26
sdE=8.0
fwE=0.00
20181119T220548.0001.fits
SecZ=1.31
Focus=-5.993
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.244 -5.670 -5.065
T123=11.6 13.3 15.5
ALT/AZ=49.9 14.0
sdW=841.9
fwW=3.39
sdS=91.5
fwS=3.54
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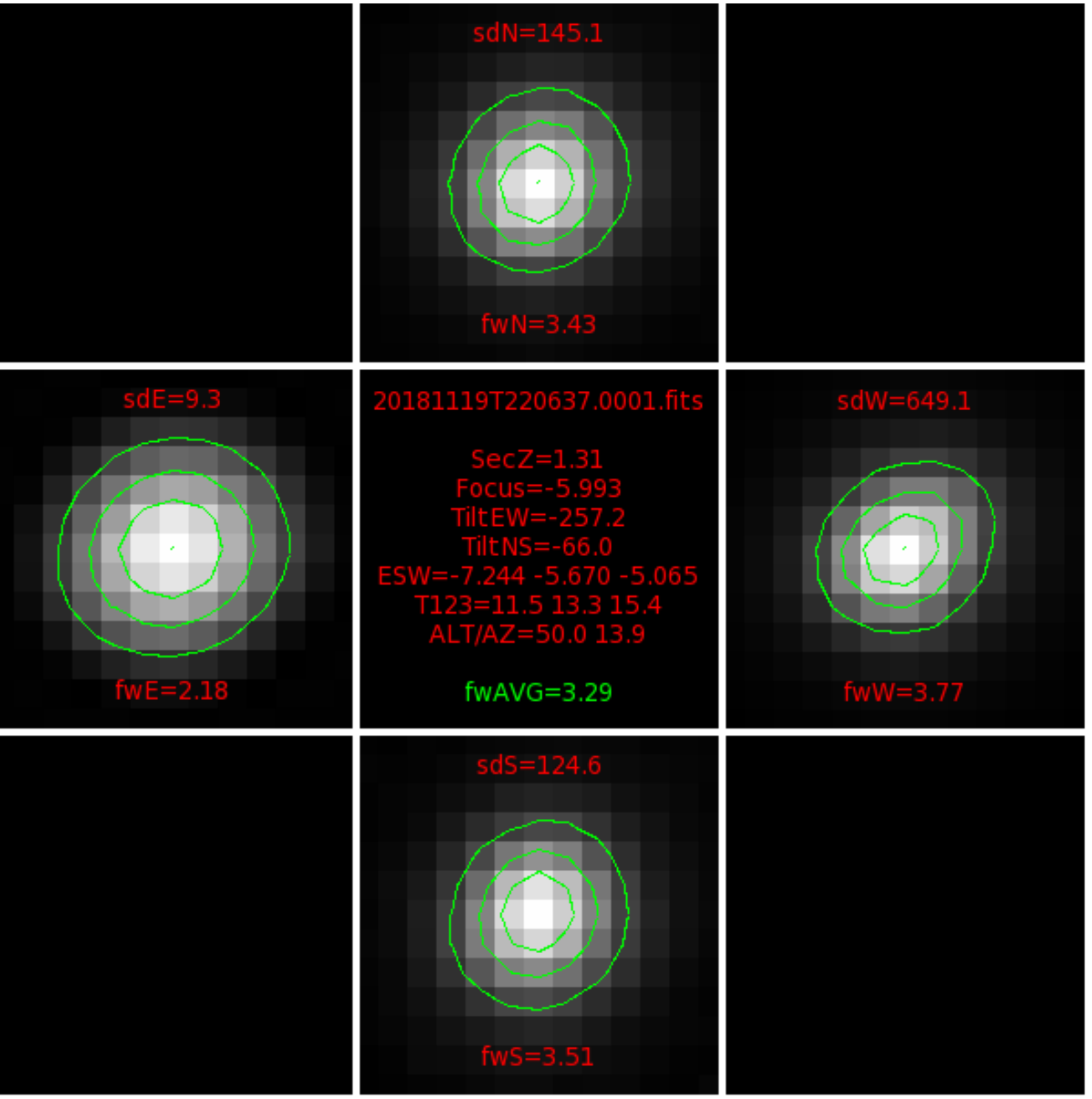
sdN=145.1
fwN=3.43
sdE=9.3
fwE=2.18
20181119T220637.0001.fits
SecZ=1.31
Focus=-5.993
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.244 -5.670 -5.065
T123=11.5 13.3 15.4
ALT/AZ=50.0 13.9
fwAVG=3.29
sdW=649.1
fwW=3.77
sdS=124.6
fwS=3.51
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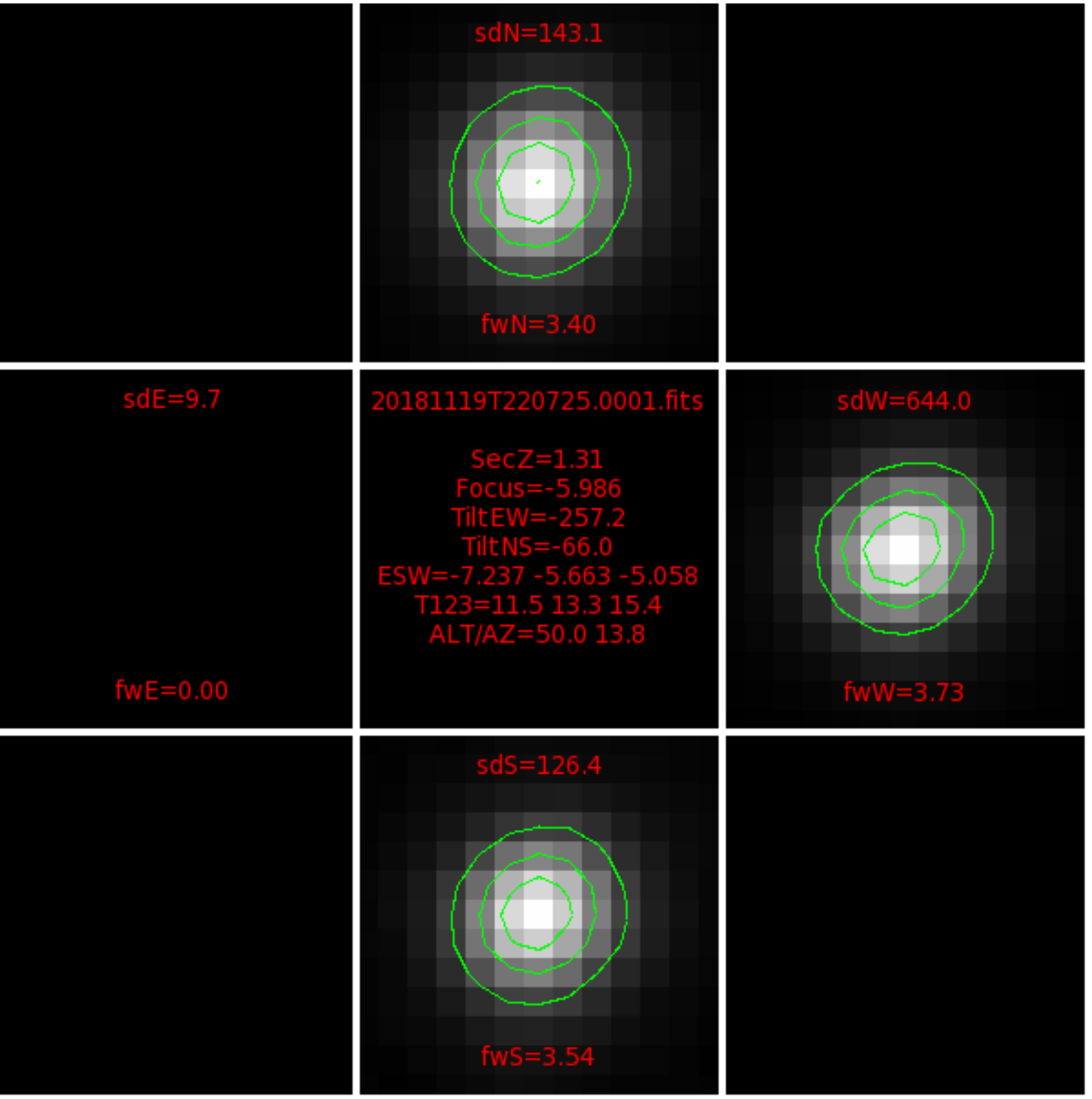
sdN=143.1
fwN=3.40
sdE=9.7
fwE=0.00
20181119T220725.0001.fits
SecZ=1.31
Focus=-5.986
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.237 -5.663 -5.058
T123=11.5 13.3 15.4
ALT/AZ=50.0 13.8
sdW=644.0
fwW=3.73
sdS=126.4
fwS=3.54
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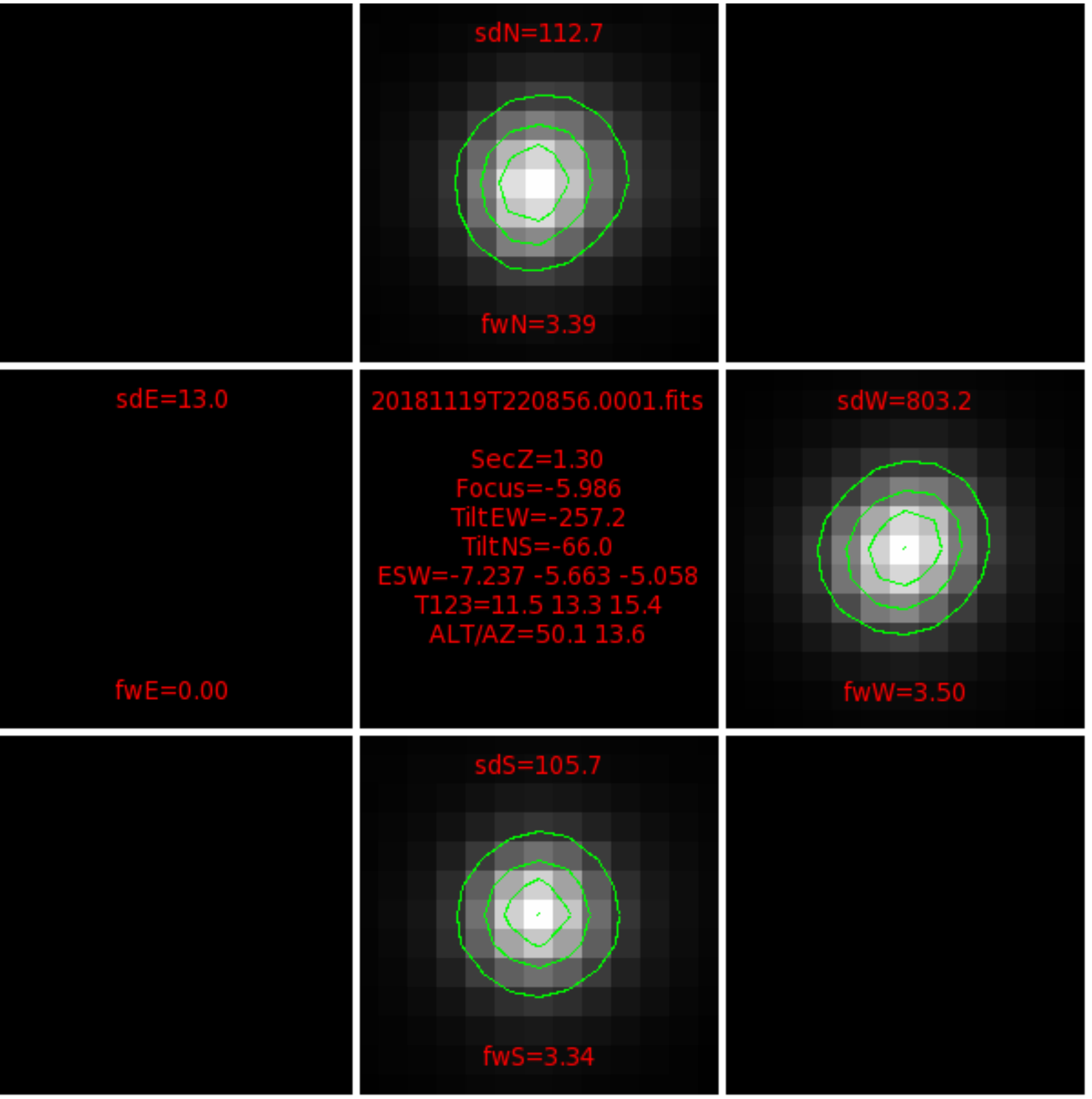
sdN=112.7
fwN=3.39
sdE=13.0
fwE=0.00
20181119T220856.0001.fits
SecZ=1.30
Focus=-5.986
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.237 -5.663 -5.058
T123=11.5 13.3 15.4
ALT/AZ=50.1 13.6
sdW=803.2
fwW=3.50
sdS=105.7
fwS=3.34
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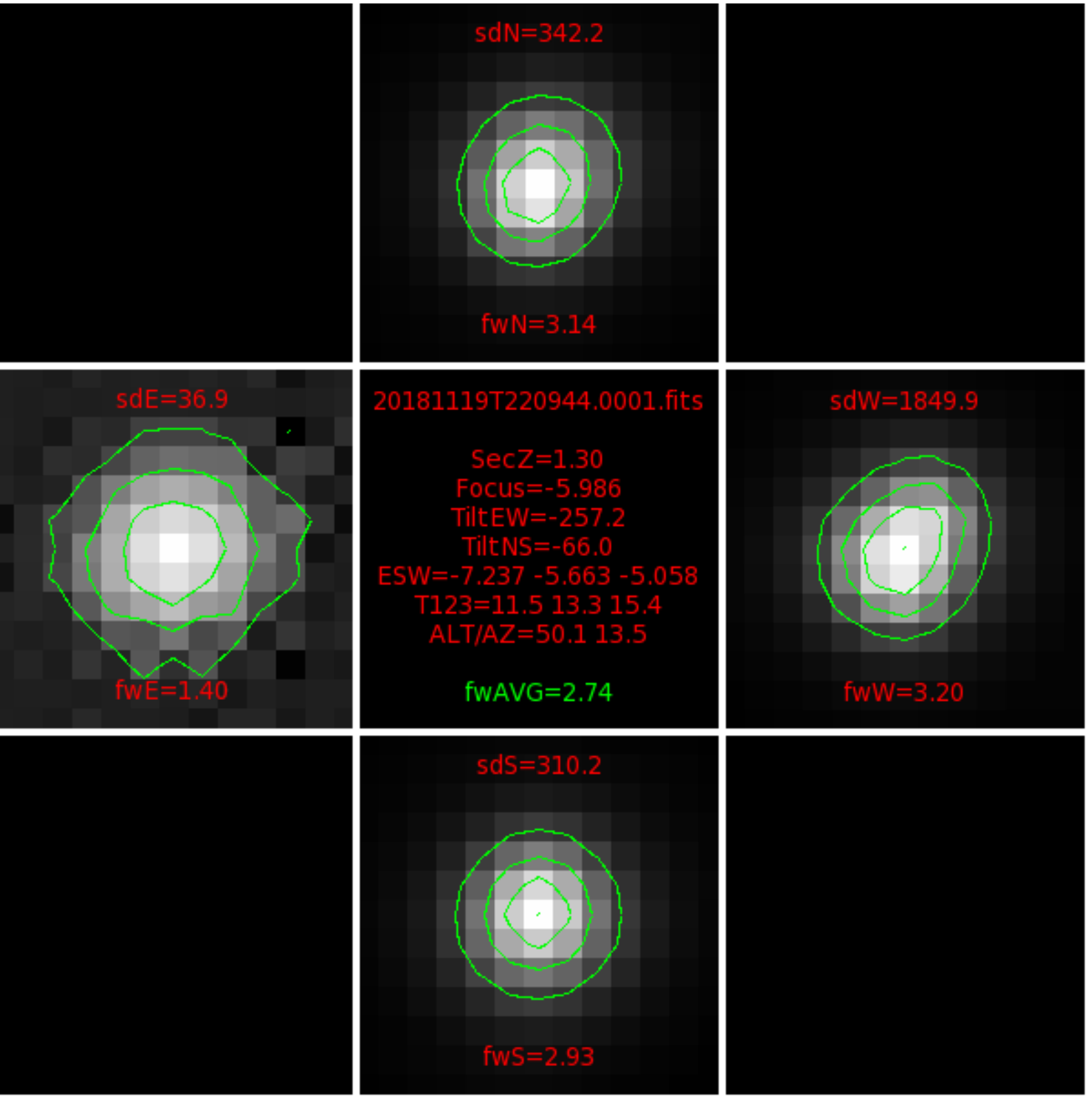
sdN=342.2
fwN=3.14
sdE=36.9
fwE=1.40
20181119T220944.0001.fits
SecZ=1.30
Focus=-5.986
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.237 -5.663 -5.058
T123=11.5 13.3 15.4
ALT/AZ=50.1 13.5
fwAVG=2.74
sdW=1849.9
fwW=3.20
sdS=310.2
fwS=2.93
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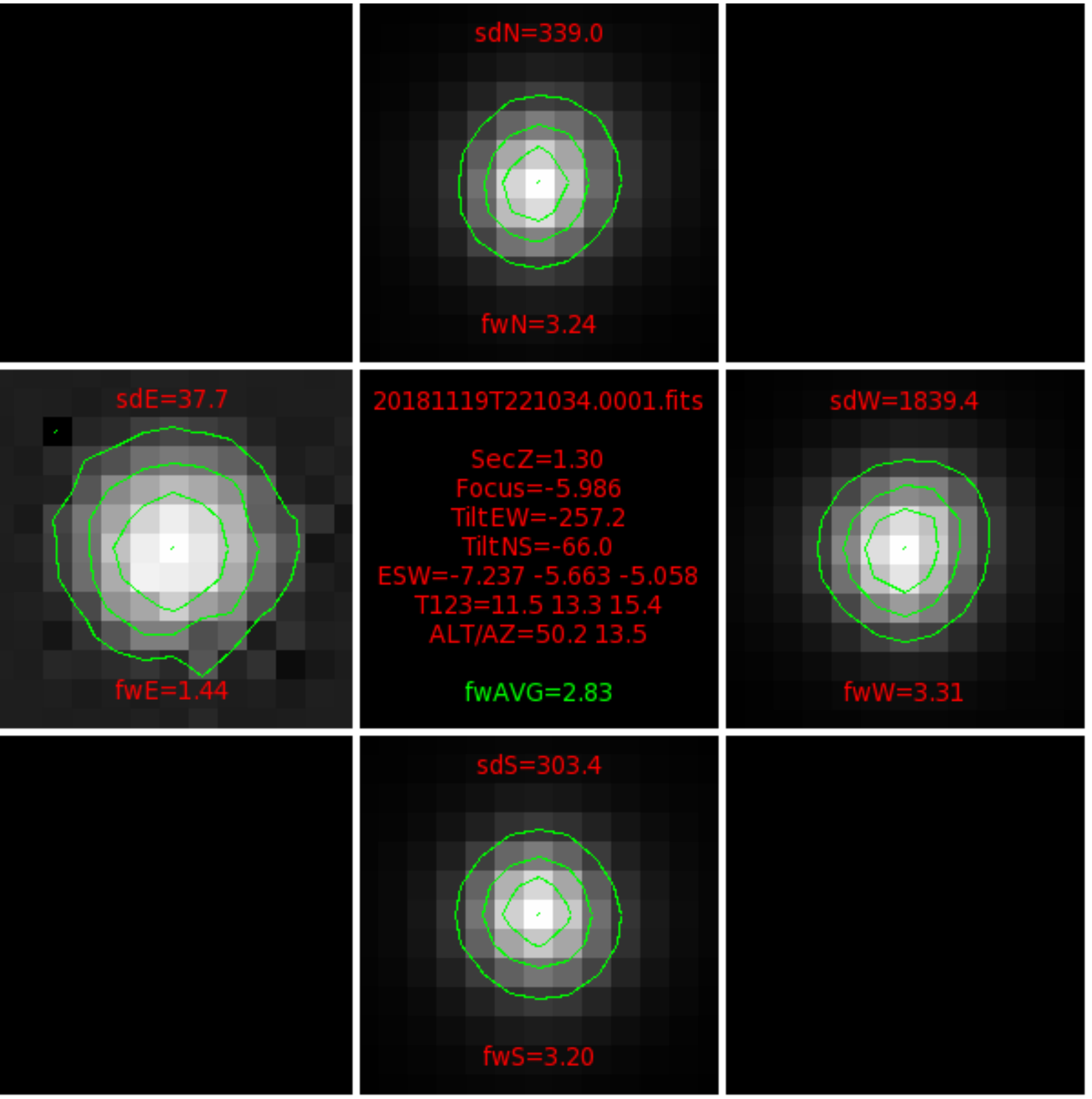
sdN=339.0
fwN=3.24
sdE=37.7
fwE=1.44
20181119T221034.0001.fits
SecZ=1.30
Focus=-5.986
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.237 -5.663 -5.058
T123=11.5 13.3 15.4
ALT/AZ=50.2 13.5
fwAVG=2.83
sdW=1839.4
fwW=3.31
sdS=303.4
fwS=3.20
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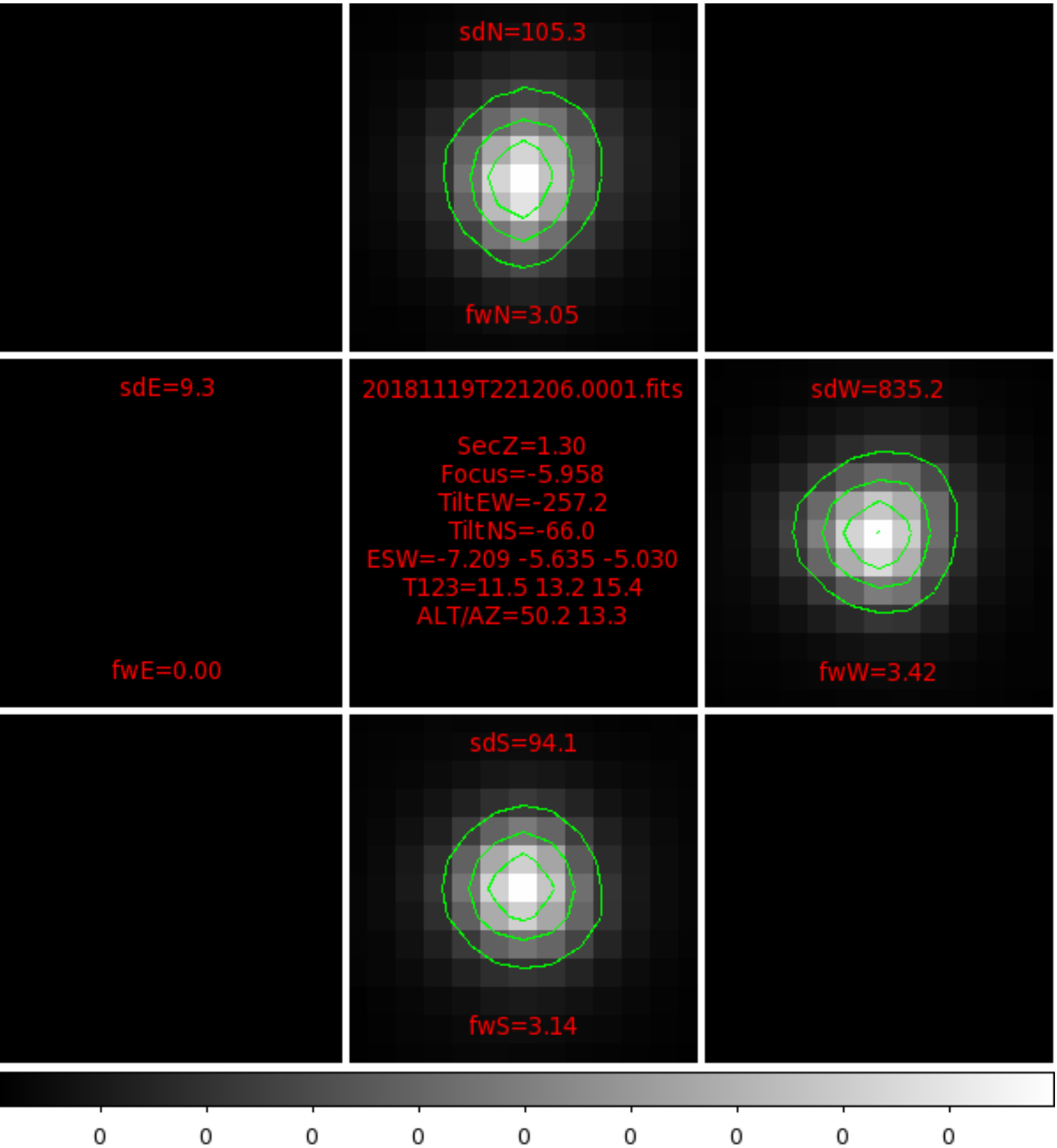
sdN=105.3
fwN=3.05
sdE=9.3
fwE=0.00
20181119T221206.0001.fits
SecZ=1.30
Focus=-5.958
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.209 -5.635 -5.030
T123=11.5 13.2 15.4
ALT/AZ=50.2 13.3
sdW=835.2
fwW=3.42
sdS=94.1
fwS=3.14
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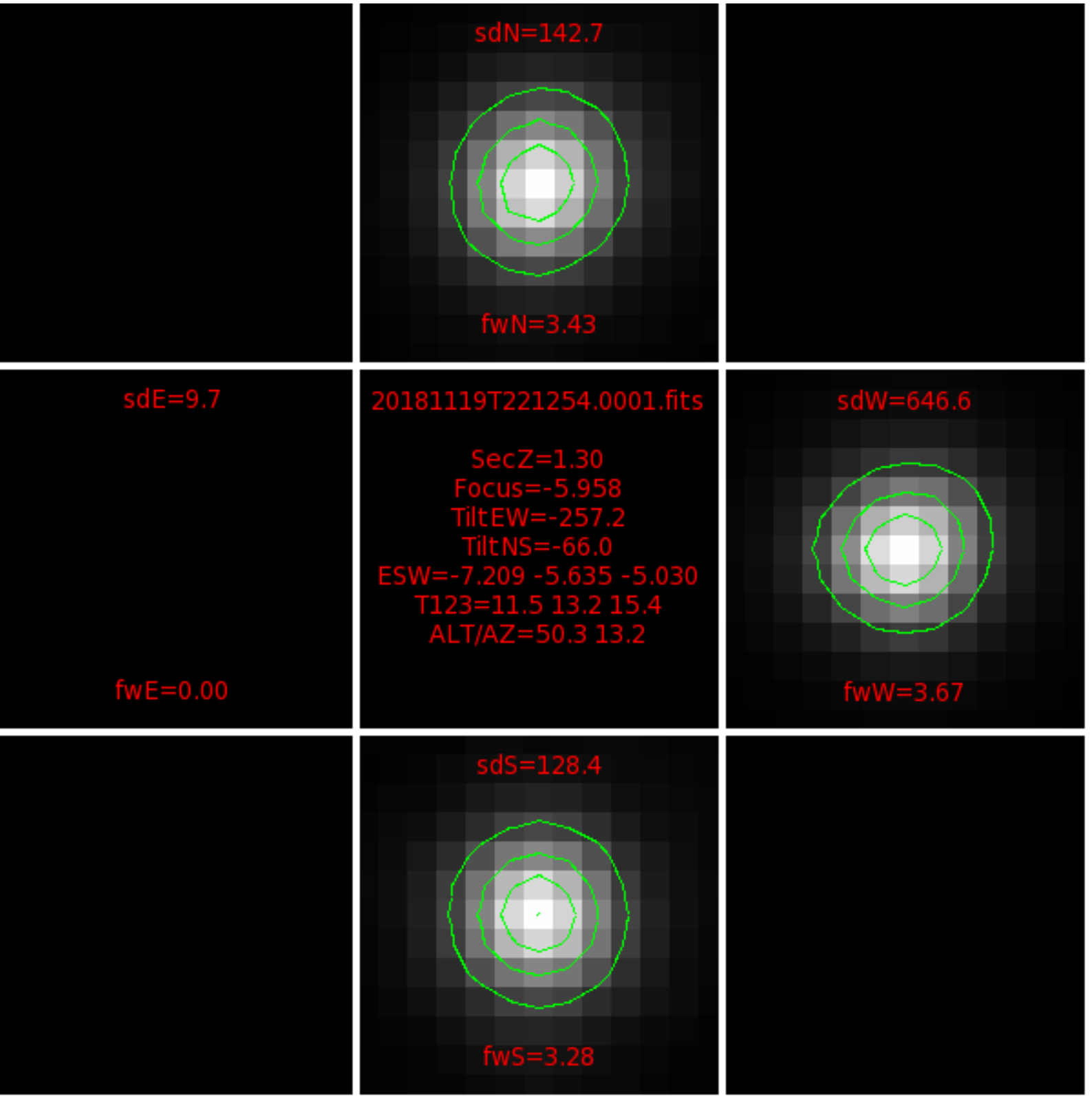
sdN=142.7
fwN=3.43
sdE=9.7
fwE=0.00
20181119T221254.0001.fits
SecZ=1.30
Focus=-5.958
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.209 -5.635 -5.030
T123=11.5 13.2 15.4
ALT/AZ=50.3 13.2
sdW=646.6
fwW=3.67
sdS=128.4
fwS=3.28
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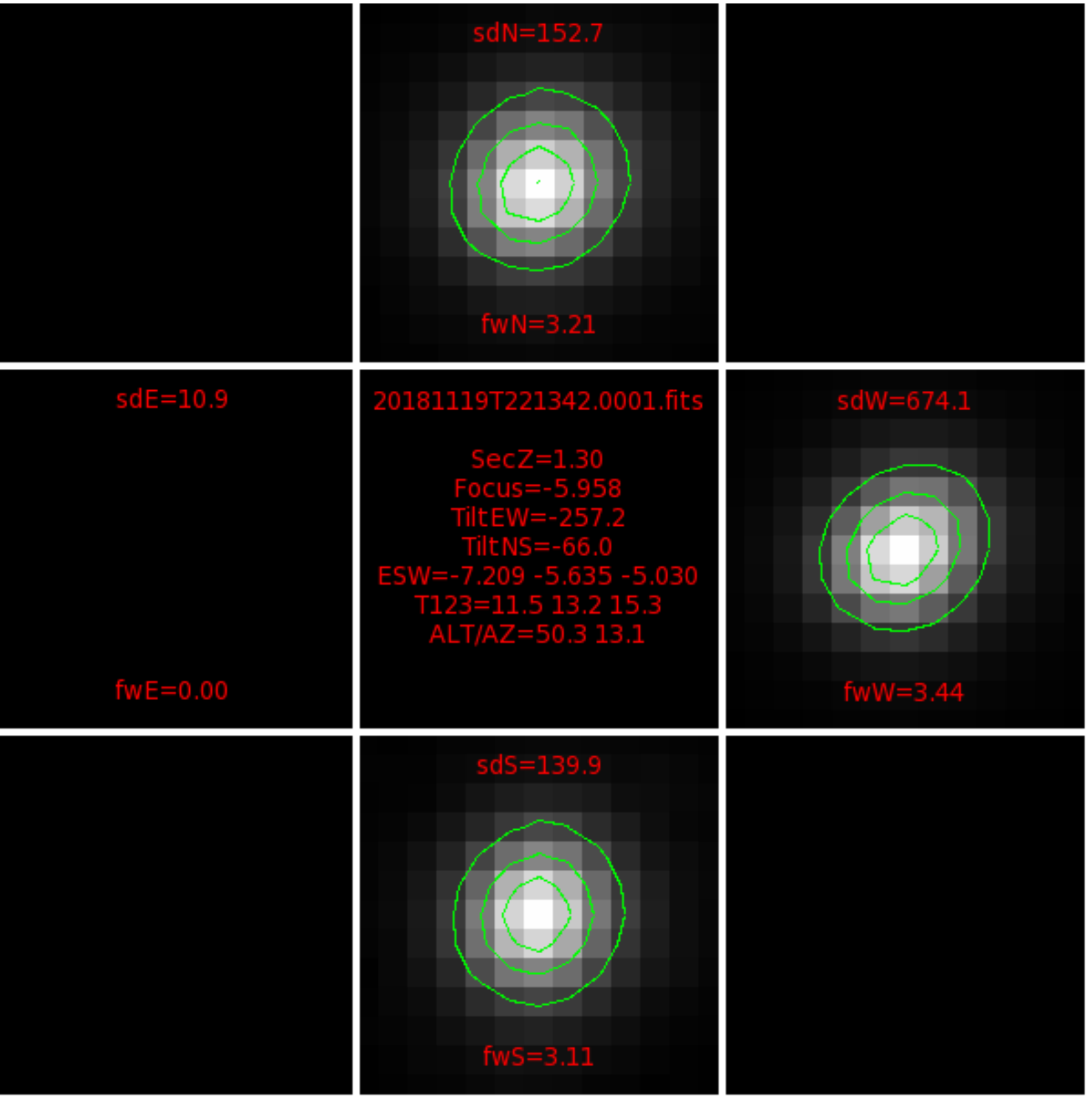
sdN=152.7
fwN=3.21
sdE=10.9
fwE=0.00
20181119T221342.0001.fits
SecZ=1.30
Focus=-5.958
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.209 -5.635 -5.030
T123=11.5 13.2 15.3
ALT/AZ=50.3 13.1
sdW=674.1
fwW=3.44
sdS=139.9
fwS=3.11
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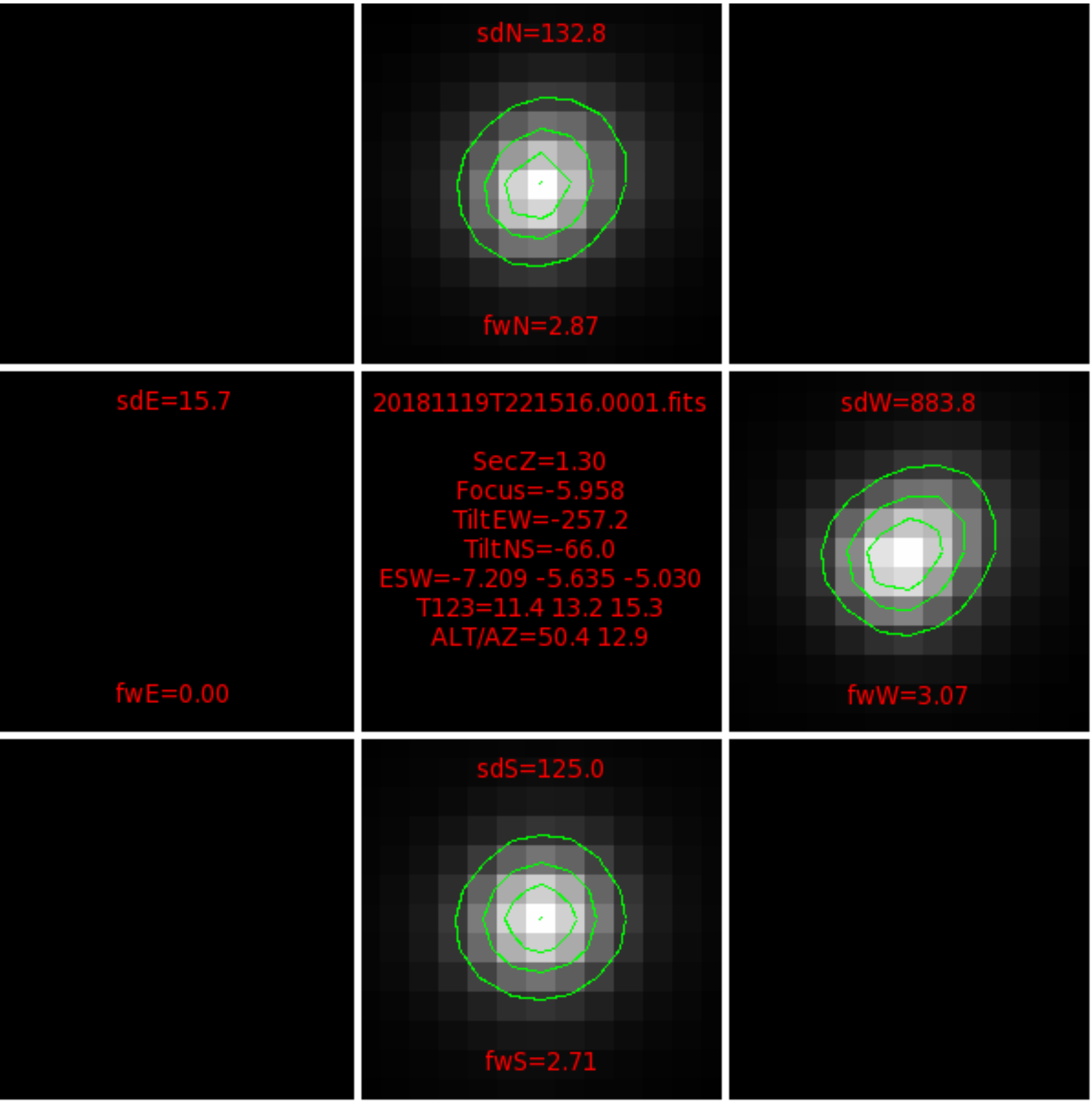
sdN=132.8
fwN=2.87
sdE=15.7
fwE=0.00
20181119T221516.0001.fits
SecZ=1.30
Focus=-5.958
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.209 -5.635 -5.030
T123=11.4 13.2 15.3
ALT/AZ=50.4 12.9
sdW=883.8
fwW=3.07
sdS=125.0
fwS=2.71
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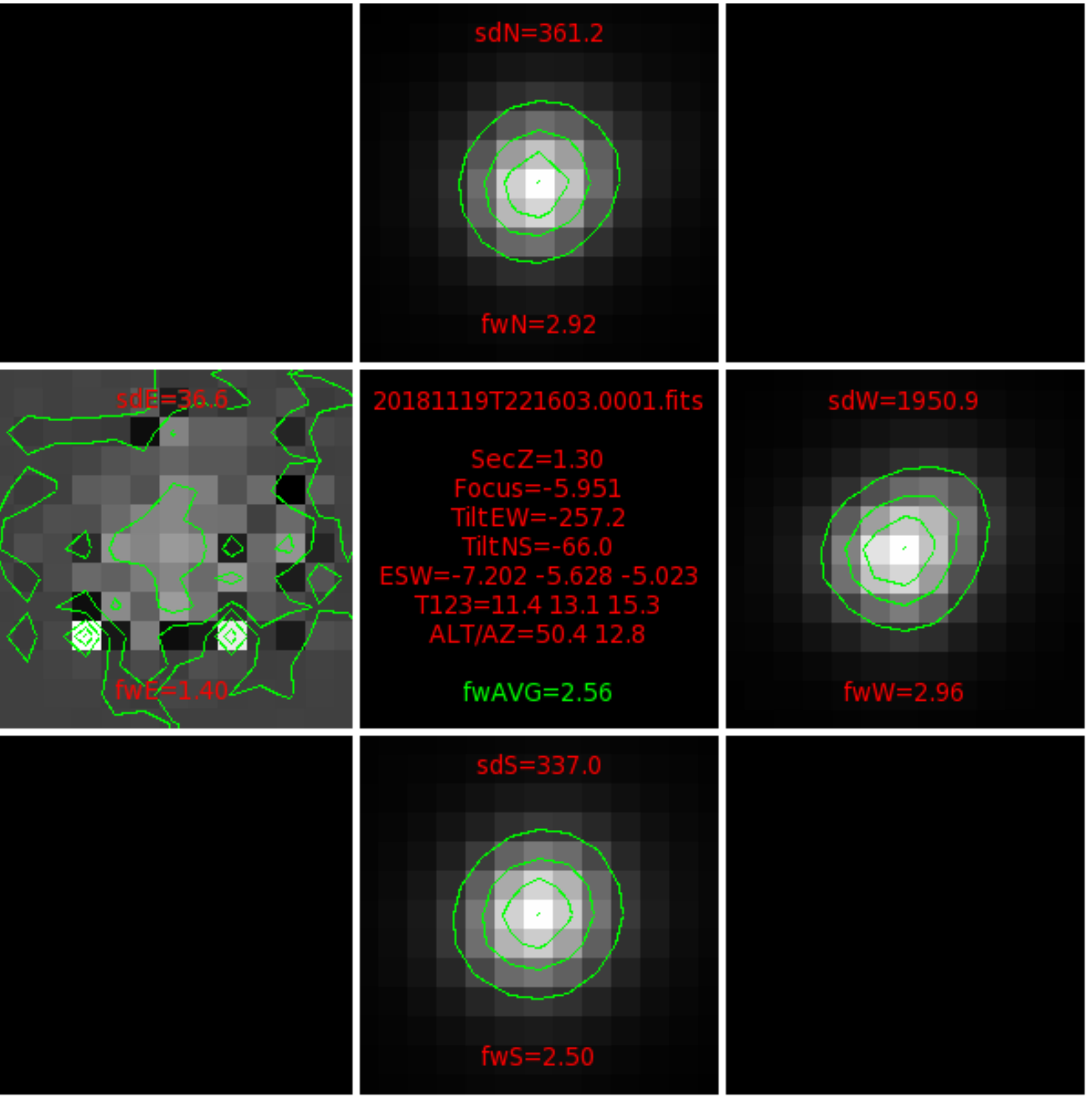
sdN=361.2
fwN=2.92
sdE=36.6
fwE=1.40
20181119T221603.0001.fits
SecZ=1.30
Focus=-5.951
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.202 -5.628 -5.023
T123=11.4 13.1 15.3
ALT/AZ=50.4 12.8
fwAVG=2.56
sdW=1950.9
fwW=2.96
sdS=337.0
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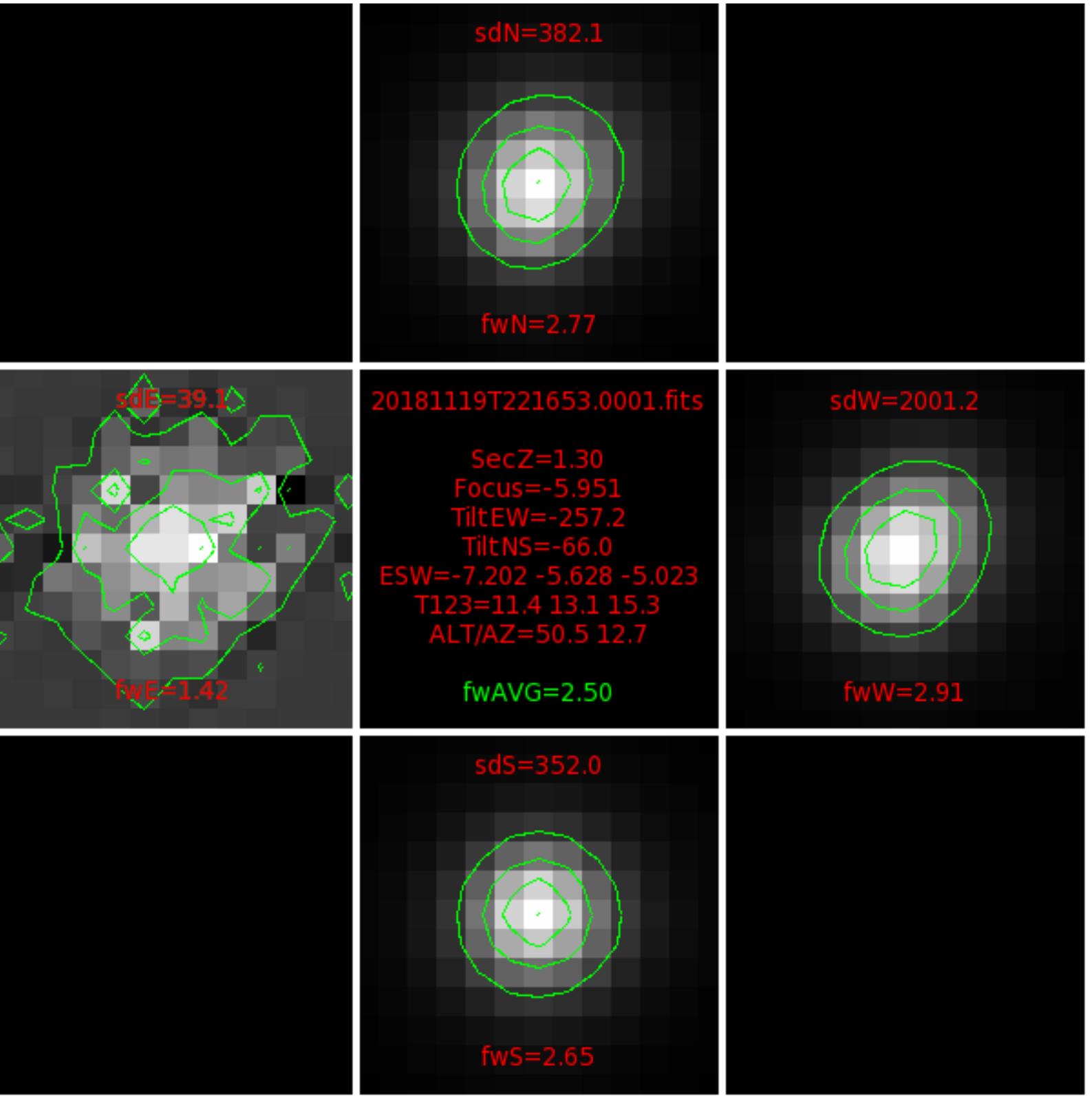
sdN=382.1
fwN=2.77
sdE=39.1
fwE=1.42
20181119T221653.0001.fits
SecZ=1.30
Focus=-5.951
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.202 -5.628 -5.023
T123=11.4 13.1 15.3
ALT/AZ=50.5 12.7
fwAVG=2.50
sdW=2001.2
fwW=2.91
sdS=352.0
fwS=2.65
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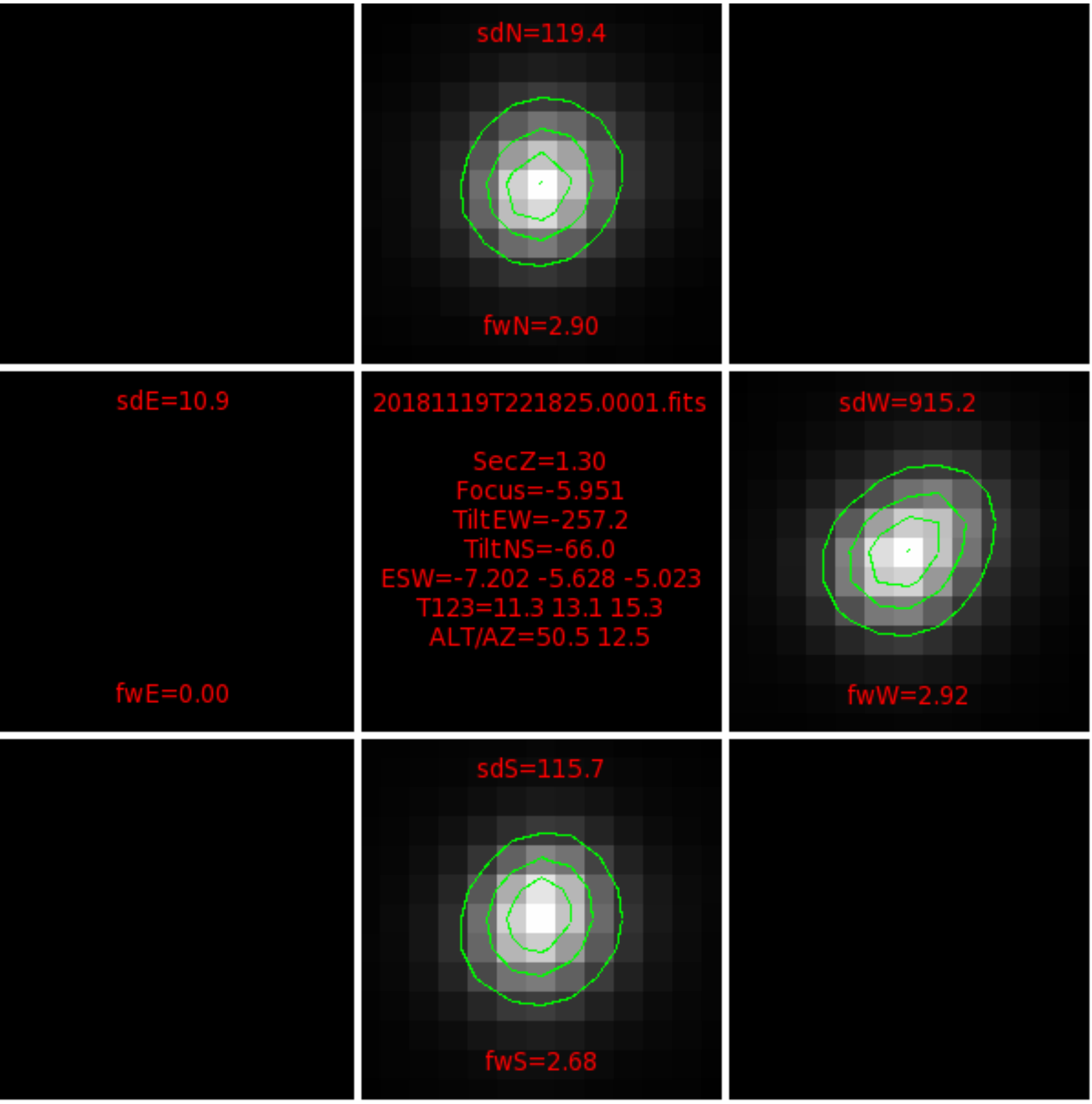
sdN=119.4
fwN=2.90
sdE=10.9
fwE=0.00
20181119T221825.0001.fits
SecZ=1.30
Focus=-5.951
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.202 -5.628 -5.023
T123=11.3 13.1 15.3
ALT/AZ=50.5 12.5
sdW=915.2
fwW=2.92
sdS=115.7
fwS=2.68
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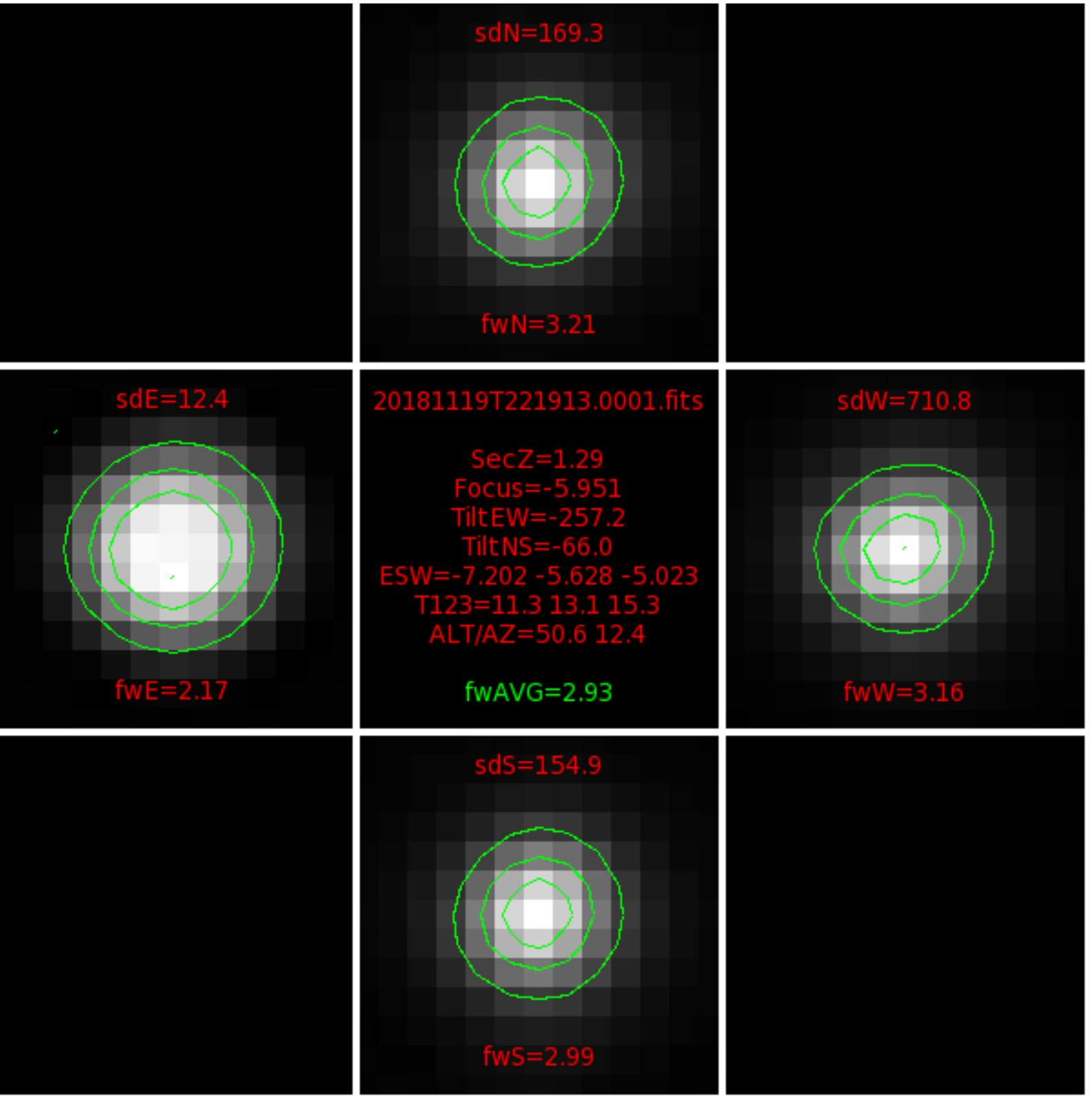
sdN=169.3
fwN=3.21
sdE=12.4
fwE=2.17
20181119T221913.0001.fits
SecZ=1.29
Focus=-5.951
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.202 -5.628 -5.023
T123=11.3 13.1 15.3
ALT/AZ=50.6 12.4
fwAVG=2.93
sdW=710.8
fwW=3.16
sdS=154.9
fwS=2.99
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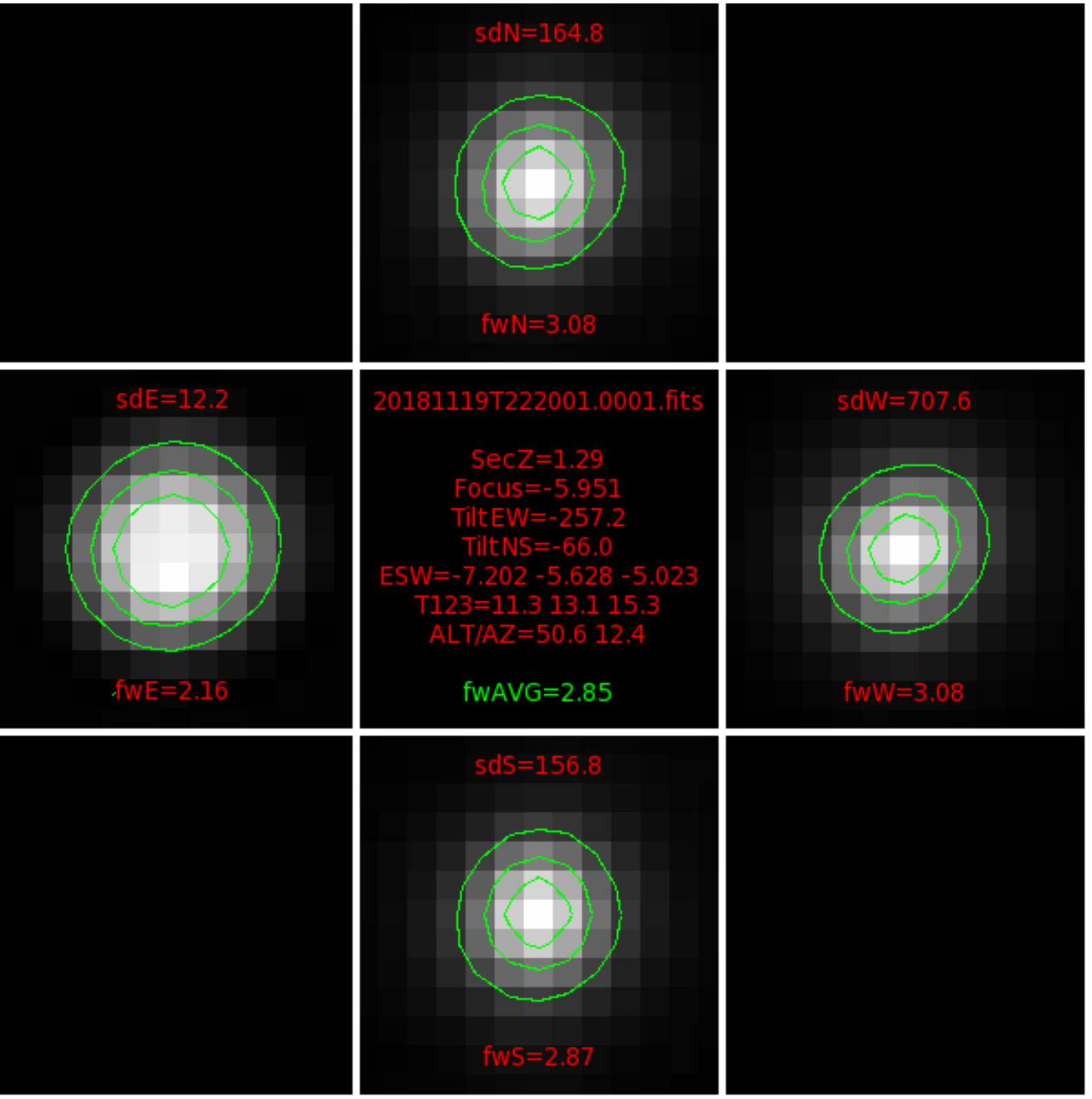
sdN=164.8
fwN=3.08
sdE=12.2
fwE=2.16
20181119T222001.0001.fits
SecZ=1.29
Focus=-5.951
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.202 -5.628 -5.023
T123=11.3 13.1 15.3
ALT/AZ=50.6 12.4
fwAVG=2.85
sdW=707.6
fwW=3.08
sdS=156.8
fwS=2.87
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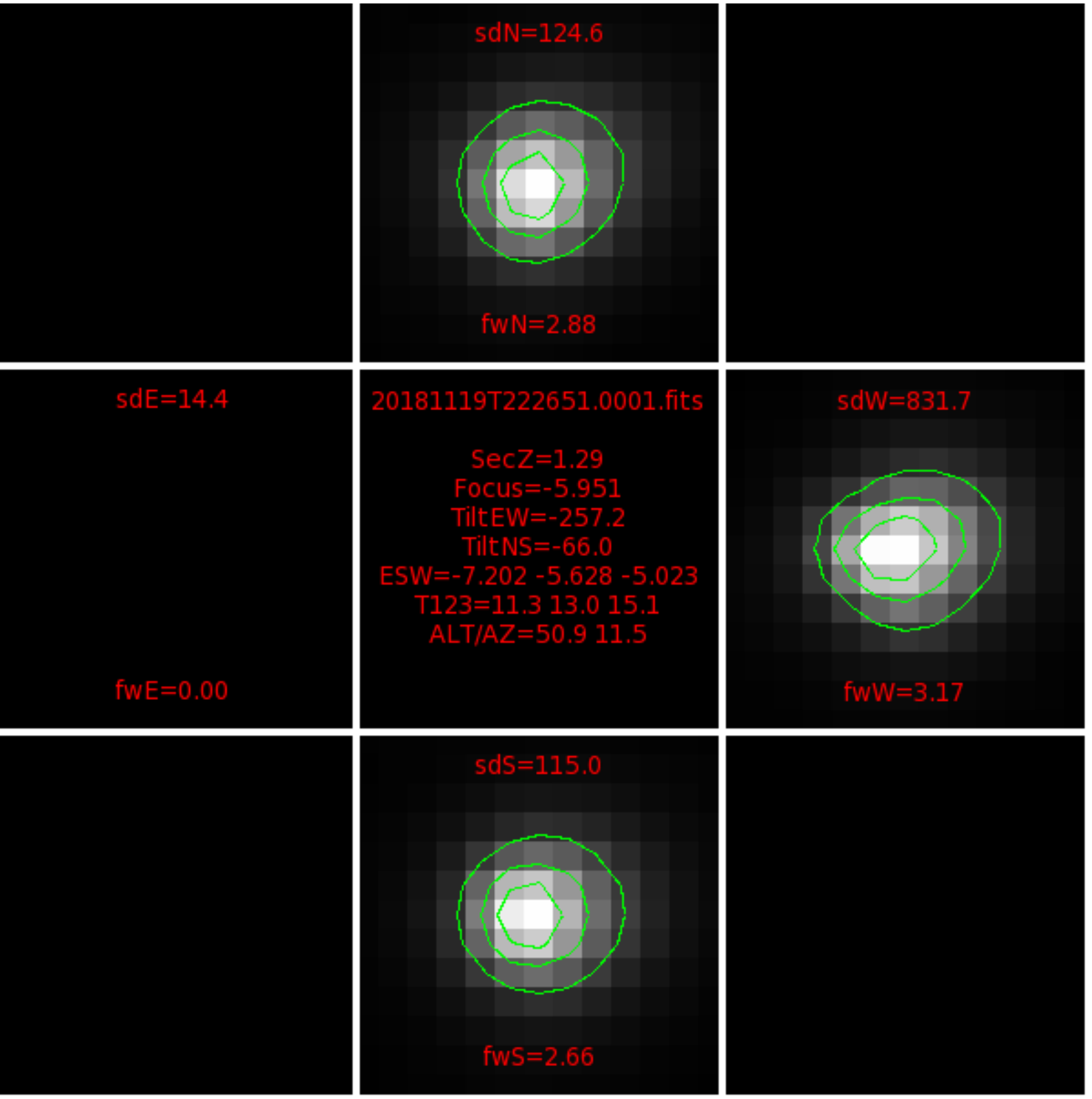
sdN=124.6
fwN=2.88
sdE=14.4
fwE=0.00
20181119T222651.0001.fits
SecZ=1.29
Focus=-5.951
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.202 -5.628 -5.023
T123=11.3 13.0 15.1
ALT/AZ=50.9 11.5
sdW=831.7
fwW=3.17
sdS=115.0
fwS=2.66
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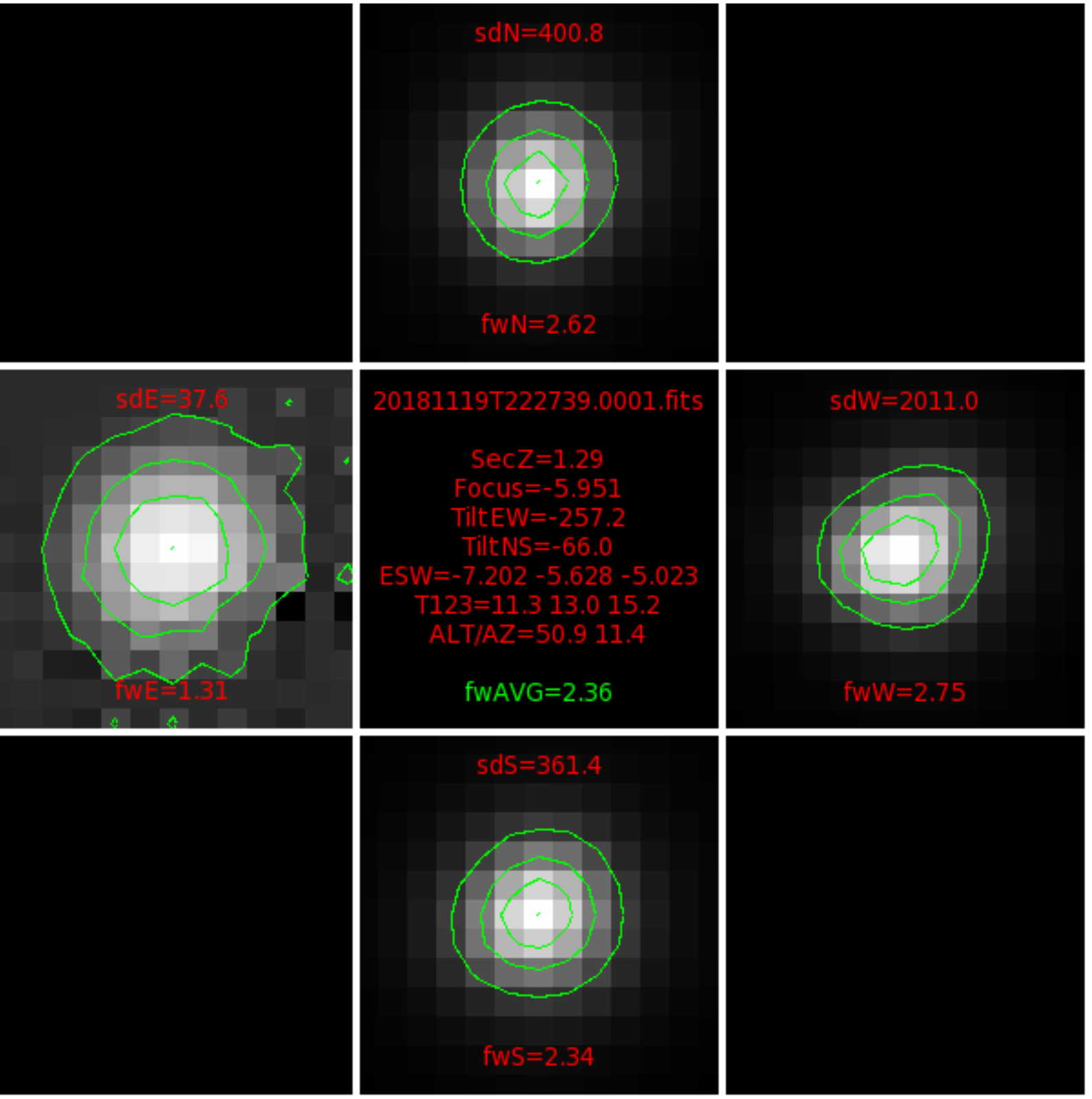
sdN=400.8
fwN=2.62
sdE=37.6
fwE=1.31
20181119T222739.0001.fits
SecZ=1.29
Focus=-5.951
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.202 -5.628 -5.023
T123=11.3 13.0 15.2
ALT/AZ=50.9 11.4
fwAVG=2.36
sdW=2011.0
fwW=2.75
sdS=361.4
fwS=2.34
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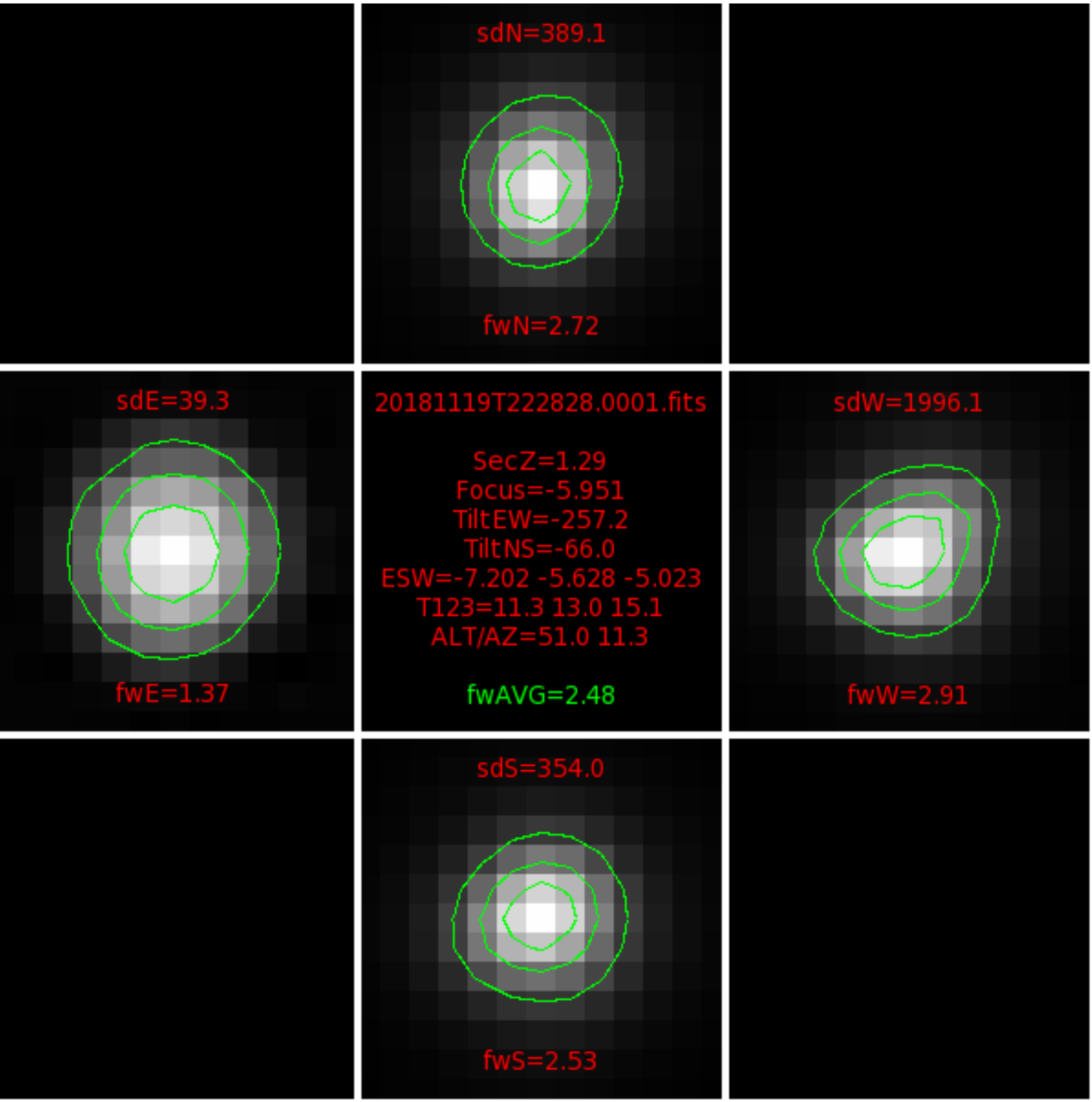
sdN=389.1
fwN=2.72
sdE=39.3
fwE=1.37
20181119T222828.0001.fits
SecZ=1.29
Focus=-5.951
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.202 -5.628 -5.023
T123=11.3 13.0 15.1
ALT/AZ=51.0 11.3
fwAVG=2.48
sdW=1996.1
fwW=2.91
sdS=354.0
fwS=2.53
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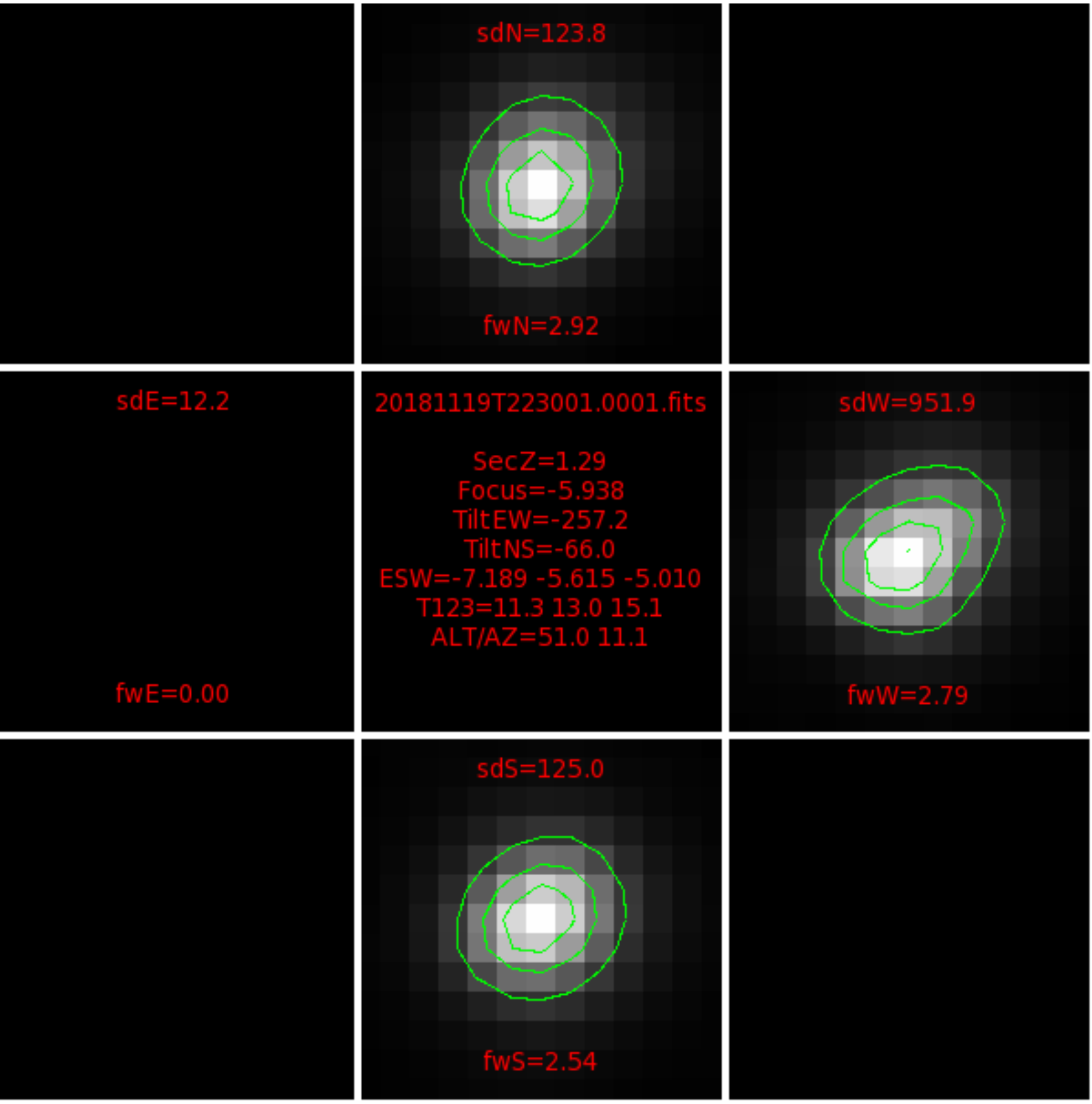
sdN=123.8
fwN=2.92
sdE=12.2
fwE=0.00
20181119T223001.0001.fits
SecZ=1.29
Focus=-5.938
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.189 -5.615 -5.010
T123=11.3 13.0 15.1
ALT/AZ=51.0 11.1
sdW=951.9
fwW=2.79
sdS=125.0
fwS=2.54
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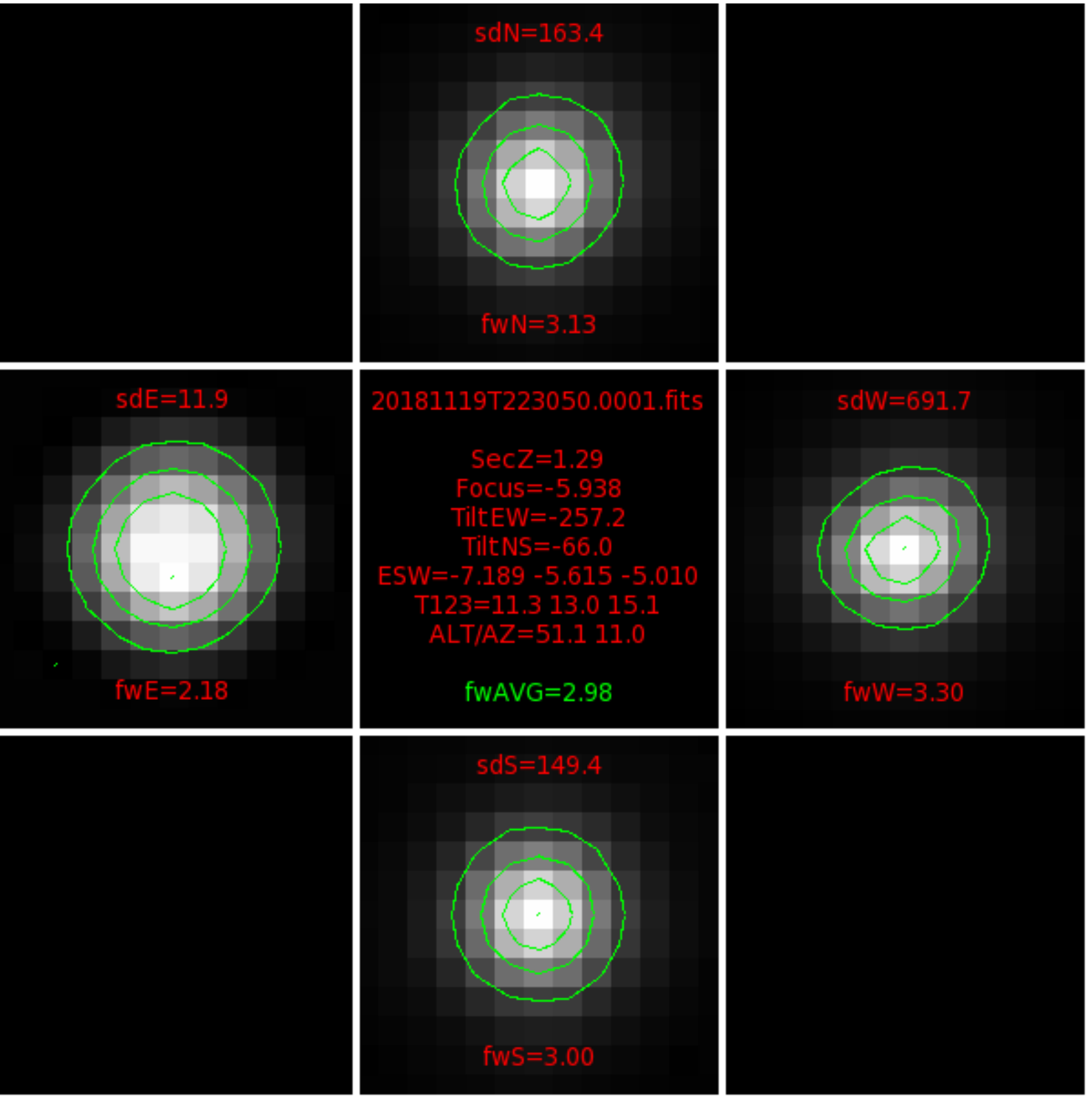
sdN=163.4
fwN=3.13
sdE=11.9
fwE=2.18
20181119T223050.0001.fits
SecZ=1.29
Focus=-5.938
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.189 -5.615 -5.010
T123=11.3 13.0 15.1
ALT/AZ=51.1 11.0
fwAVG=2.98
sdW=691.7
fwW=3.30
sdS=149.4
fwS=3.00
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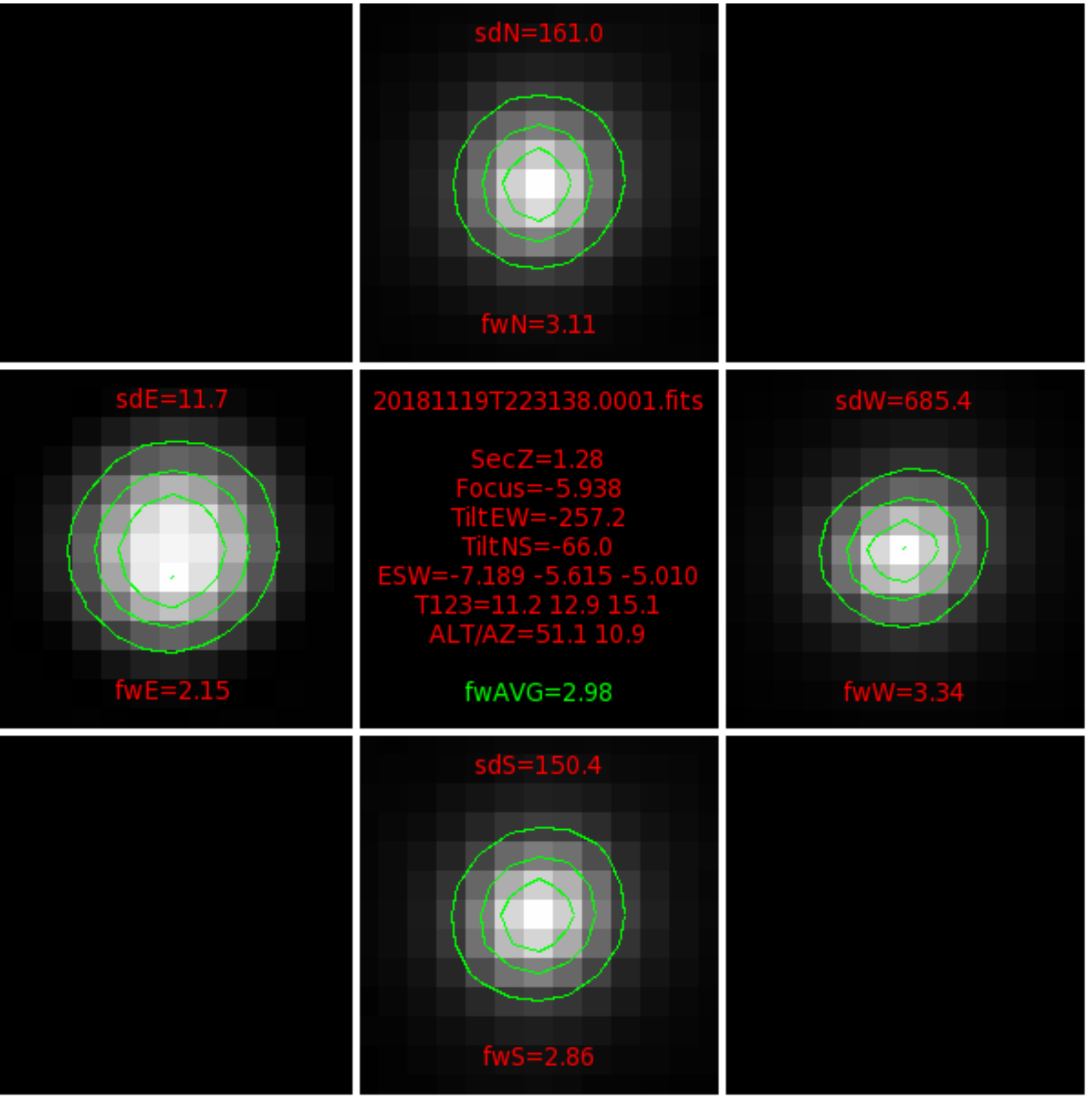
sdN=161.0
fwN=3.11
sdE=11.7
fwE=2.15
20181119T223138.0001.fits
SecZ=1.28
Focus=-5.938
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.189 -5.615 -5.010
T123=11.2 12.9 15.1
ALT/AZ=51.1 10.9
fwAVG=2.98
sdW=685.4
fwW=3.34
sdS=150.4
fwS=2.86
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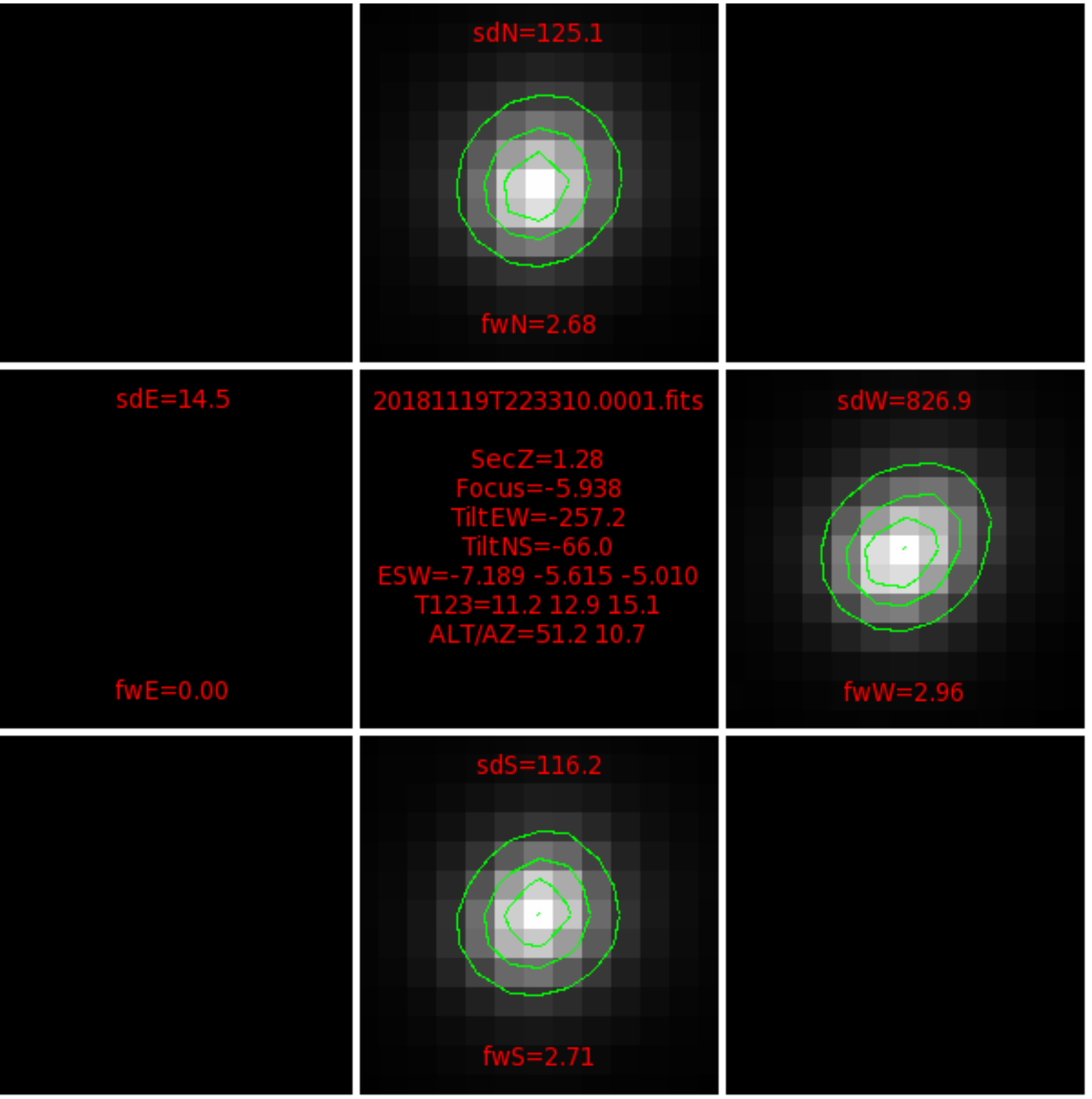
sdN=125.1
fwN=2.68
sdE=14.5
fwE=0.00
20181119T223310.0001.fits
SecZ=1.28
Focus=-5.938
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.189 -5.615 -5.010
T123=11.2 12.9 15.1
ALT/AZ=51.2 10.7
sdW=826.9
fwW=2.96
sdS=116.2
fwS=2.71
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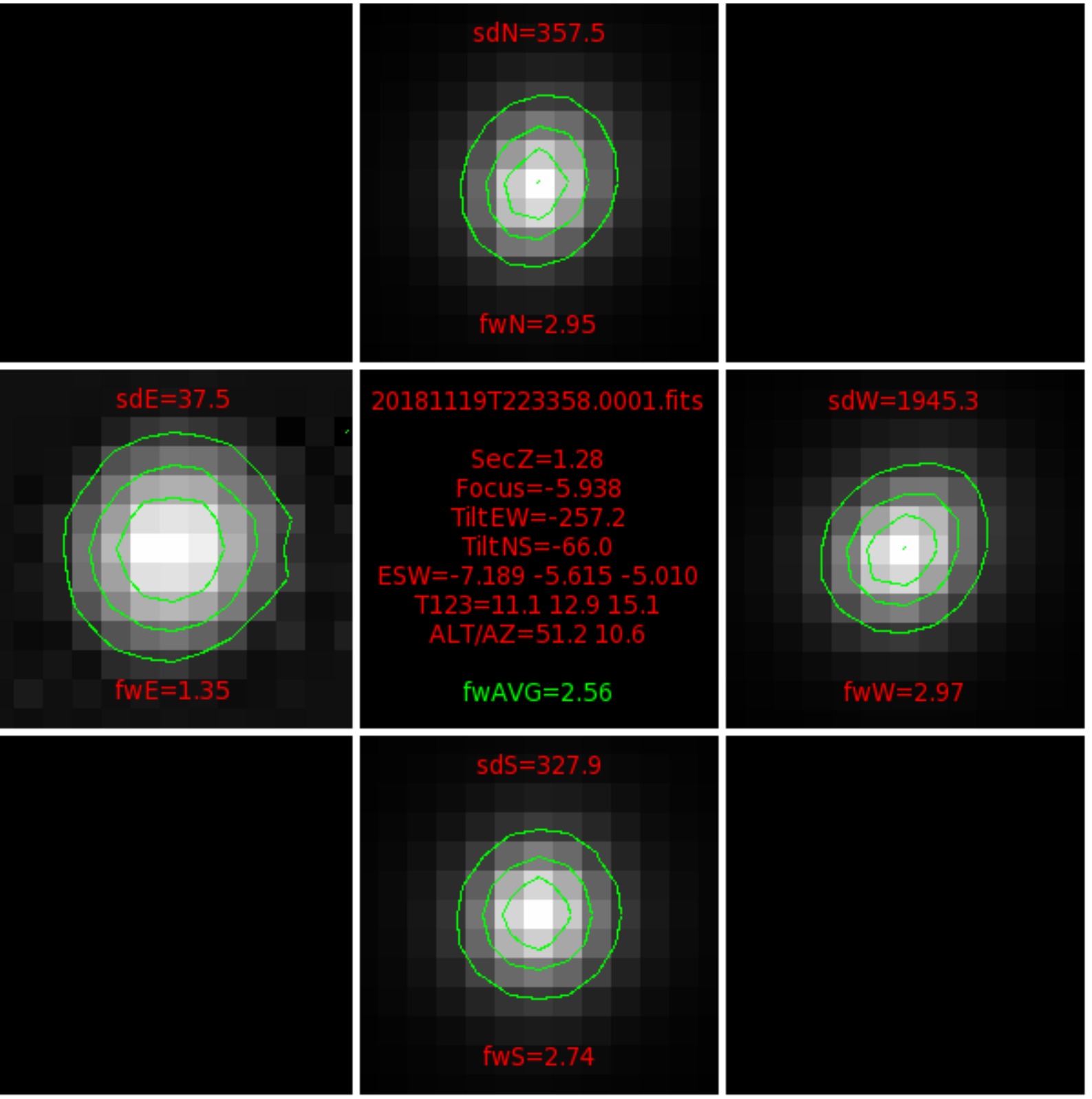
sdN=357.5
fwN=2.95
sdE=37.5
fwE=1.35
20181119T223358.0001.fits
SecZ=1.28
Focus=-5.938
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.189 -5.615 -5.010
T123=11.1 12.9 15.1
ALT/AZ=51.2 10.6
fwAVG=2.56
sdW=1945.3
fwW=2.97
sdS=327.9
fwS=2.74
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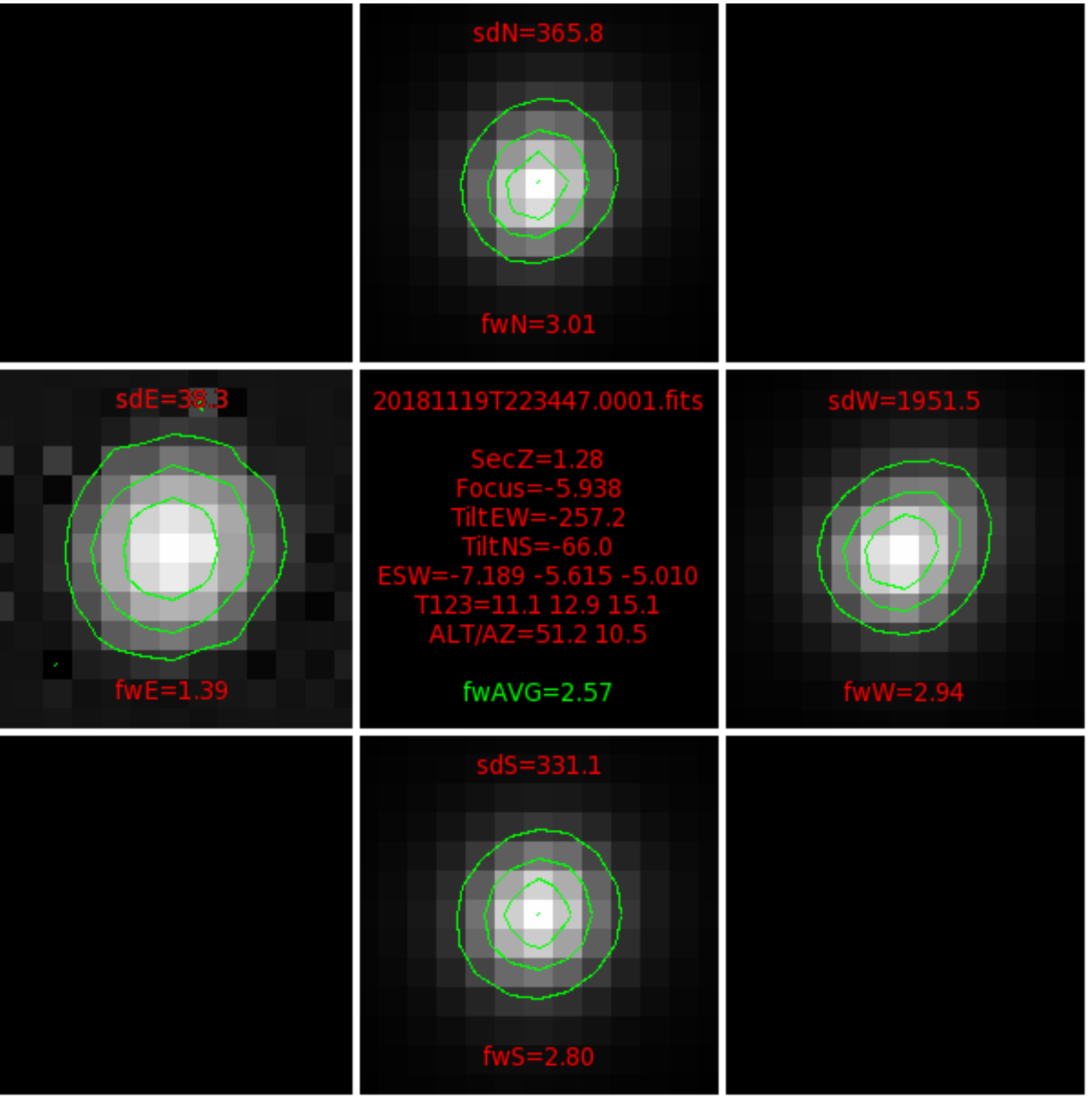
sdN=365.8
fwN=3.01
sdE=38.3
fwE=1.39
20181119T223447.0001.fits
SecZ=1.28
Focus=-5.938
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.189 -5.615 -5.010
T123=11.1 12.9 15.1
ALT/AZ=51.2 10.5
fwAVG=2.57
sdW=1951.5
fwW=2.94
sdS=331.1
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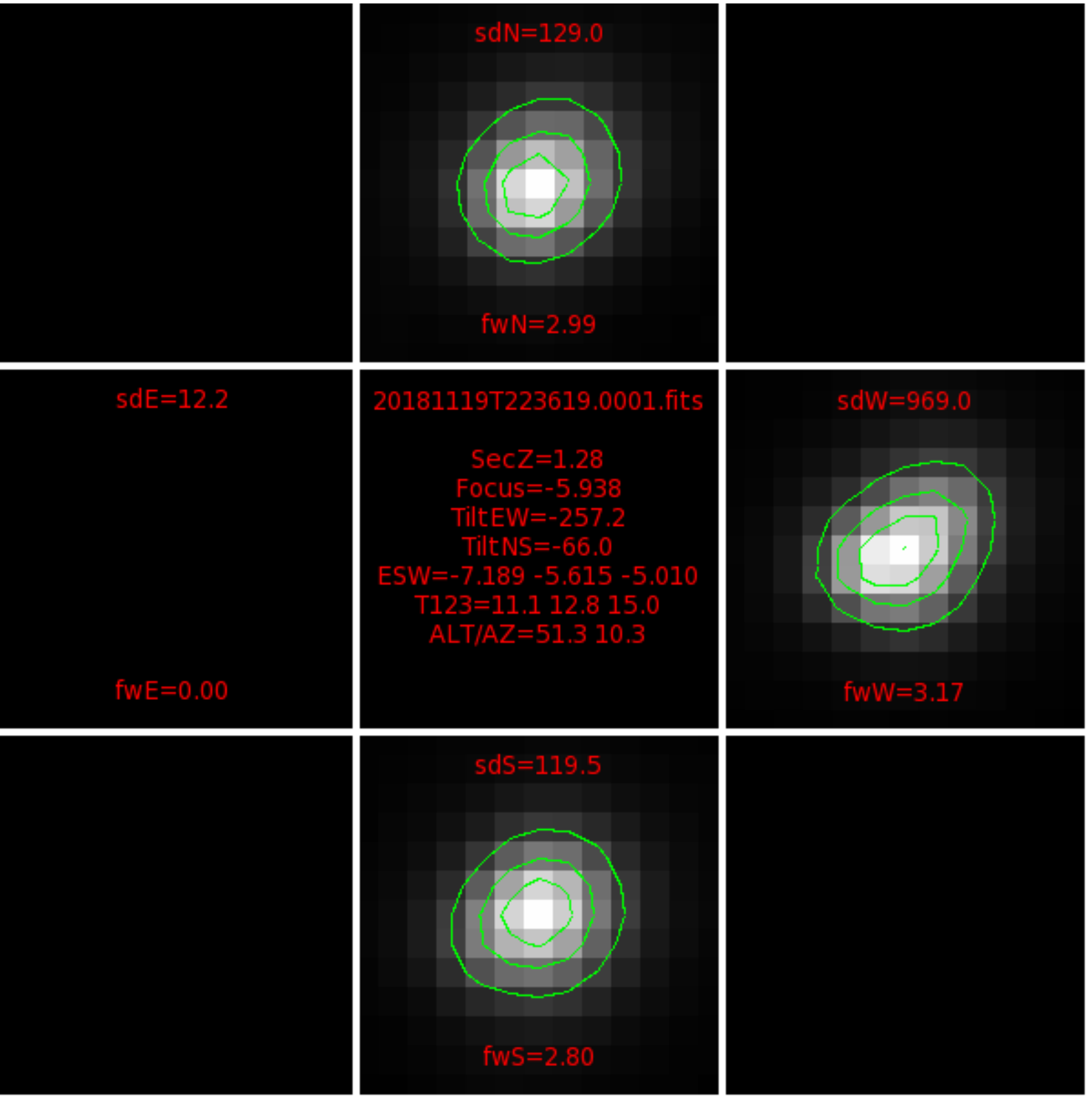
sdN=129.0
fwN=2.99
sdE=12.2
fwE=0.00
20181119T223619.0001.fits
SecZ=1.28
Focus=-5.938
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.189 -5.615 -5.010
T123=11.1 12.8 15.0
ALT/AZ=51.3 10.3
sdW=969.0
fwW=3.17
sdS=119.5
fwS=2.80
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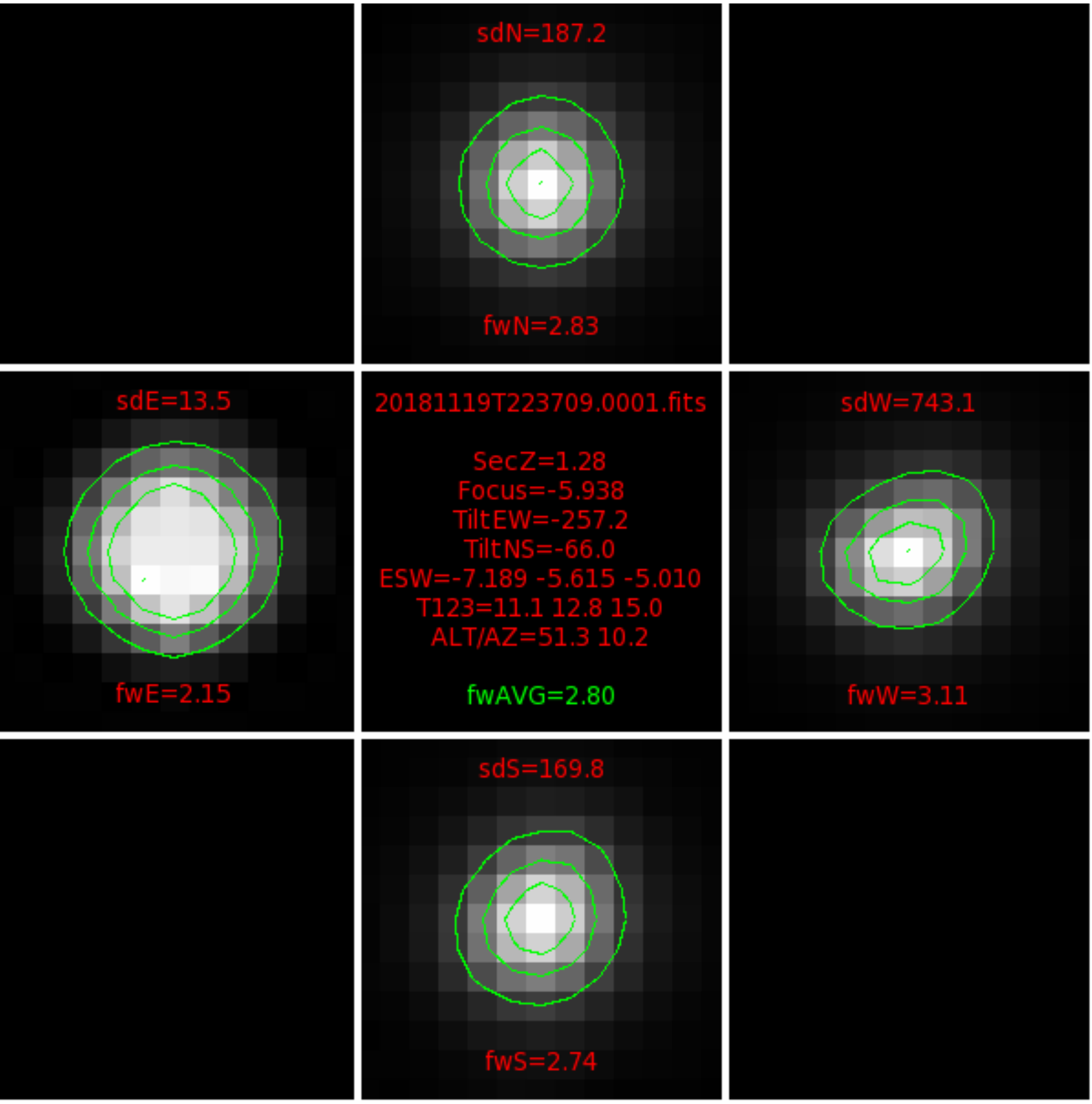
sdN=187.2
fwN=2.83
sdE=13.5
fwE=2.15
20181119T223709.0001.fits
SecZ=1.28
Focus=-5.938
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.189 -5.615 -5.010
T123=11.1 12.8 15.0
ALT/AZ=51.3 10.2
fwAVG=2.80
sdW=743.1
fwW=3.11
sdS=169.8
fwS=2.74
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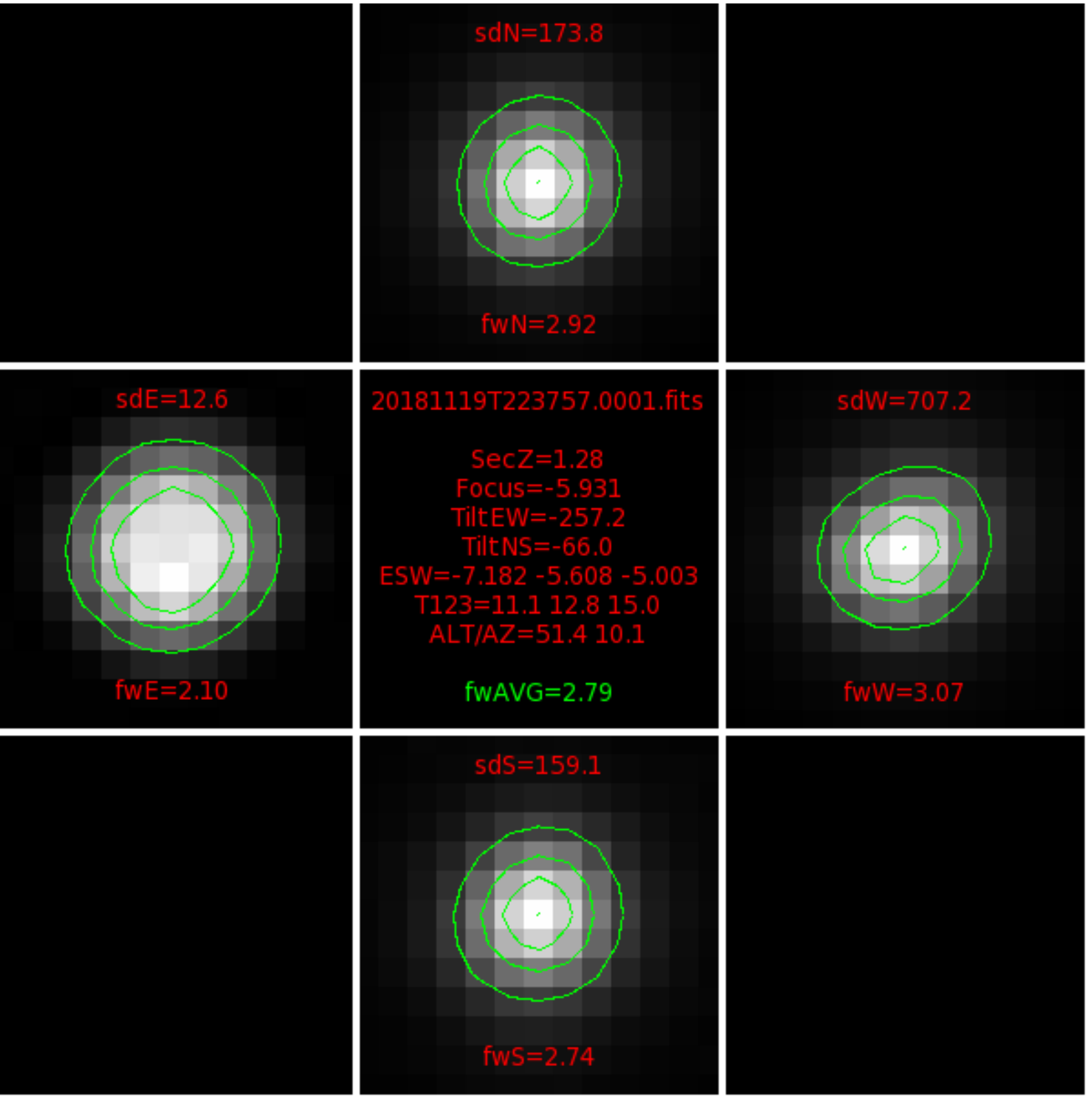
sdN=173.8
fwN=2.92
sdE=12.6
fwE=2.10
20181119T223757.0001.fits
SecZ=1.28
Focus=-5.931
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.182 -5.608 -5.003
T123=11.1 12.8 15.0
ALT/AZ=51.4 10.1
fwAVG=2.79
sdW=707.2
fwW=3.07
sdS=159.1
fwS=2.74
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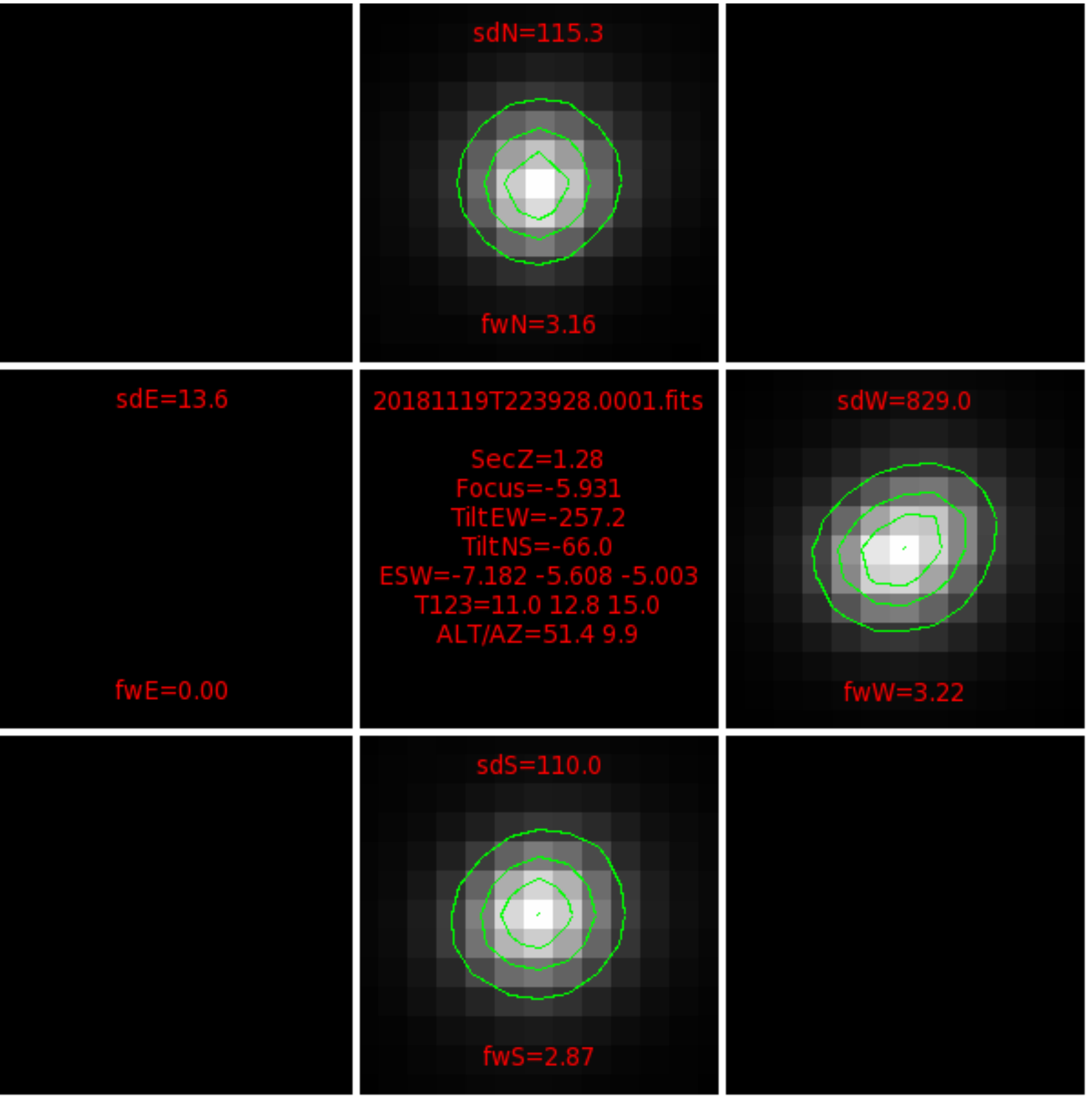
sdN=115.3
fwN=3.16
sdE=13.6
fwE=0.00
20181119T223928.0001.fits
SecZ=1.28
Focus=-5.931
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.182 -5.608 -5.003
T123=11.0 12.8 15.0
ALT/AZ=51.4 9.9
sdW=829.0
fwW=3.22
sdS=110.0
fwS=2.87
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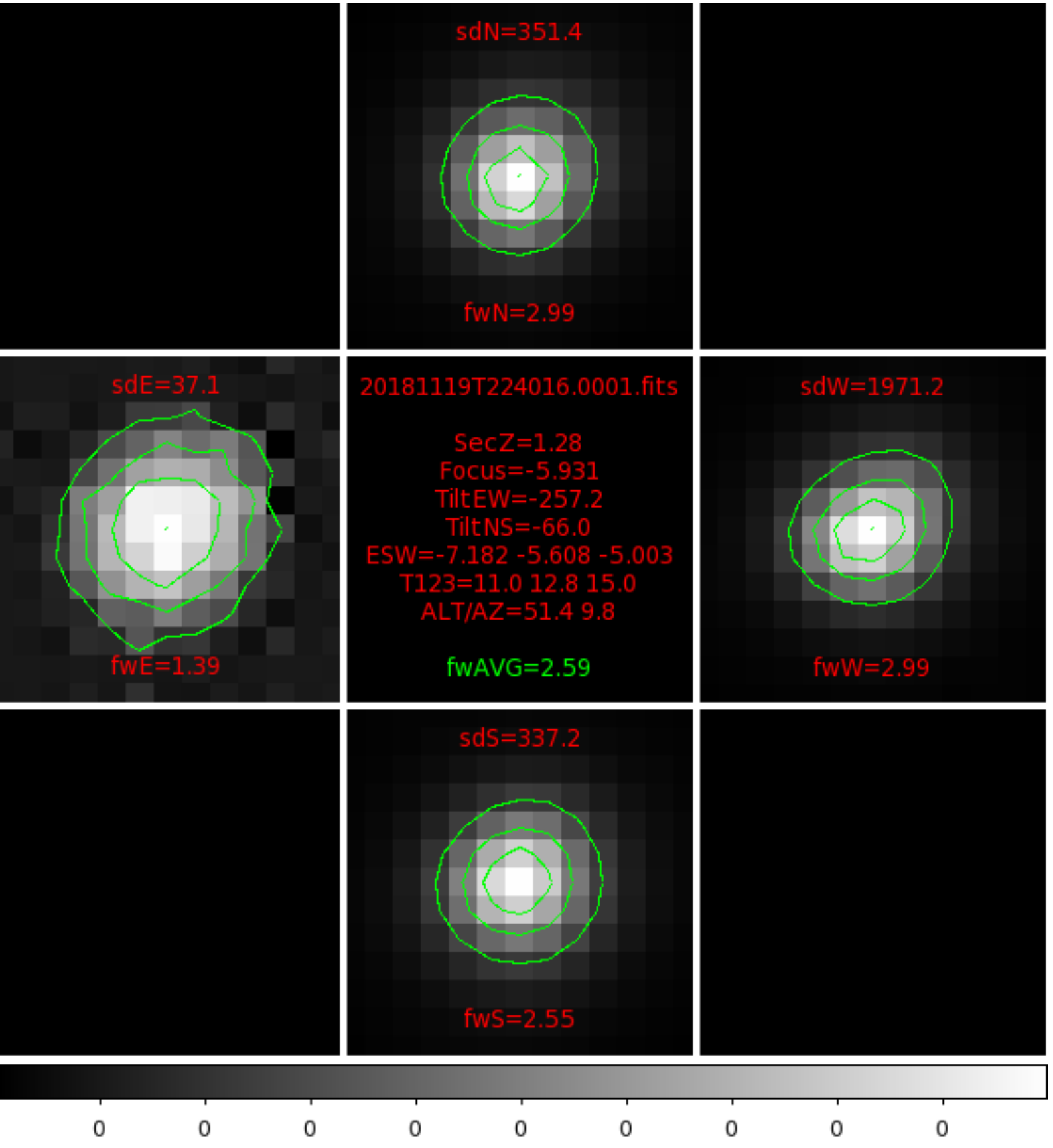
sdN=351.4
fwN=2.99
sdE=37.1
fwE=1.39
20181119T224016.0001.fits
SecZ=1.28
Focus=-5.931
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.182 -5.608 -5.003
T123=11.0 12.8 15.0
ALT/AZ=51.4 9.8
fwAVG=2.59
sdW=1971.2
fwW=2.99
sdS=337.2
fwS=2.55
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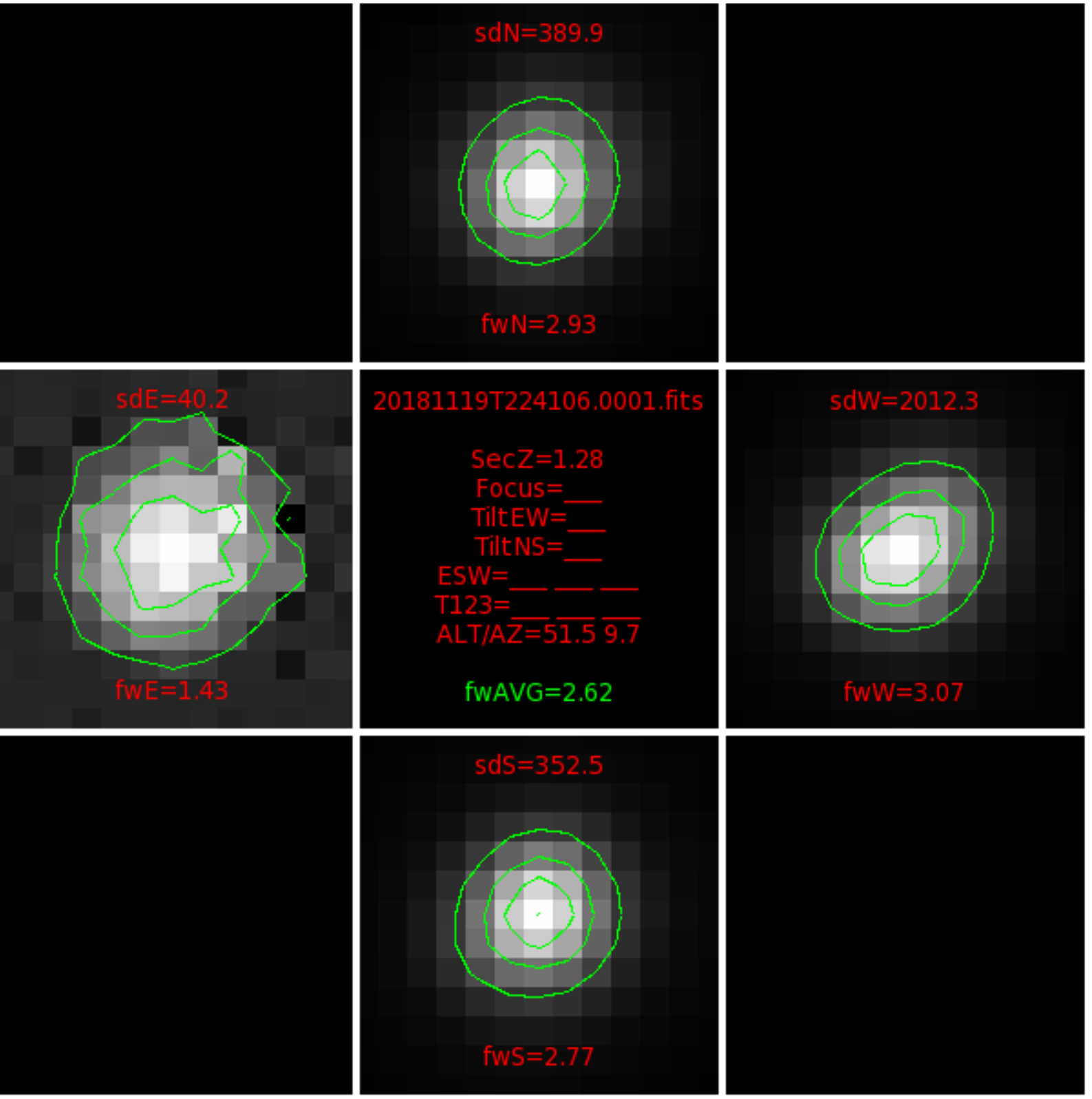
sdN=389.9
fwN=2.93
sdE=40.2
fwE=1.43
20181119T224106.0001.fits
SecZ=1.28
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=51.5 9.7
fwAVG=2.62
sdW=2012.3
fwW=3.07
sdS=352.5
fwS=2.77
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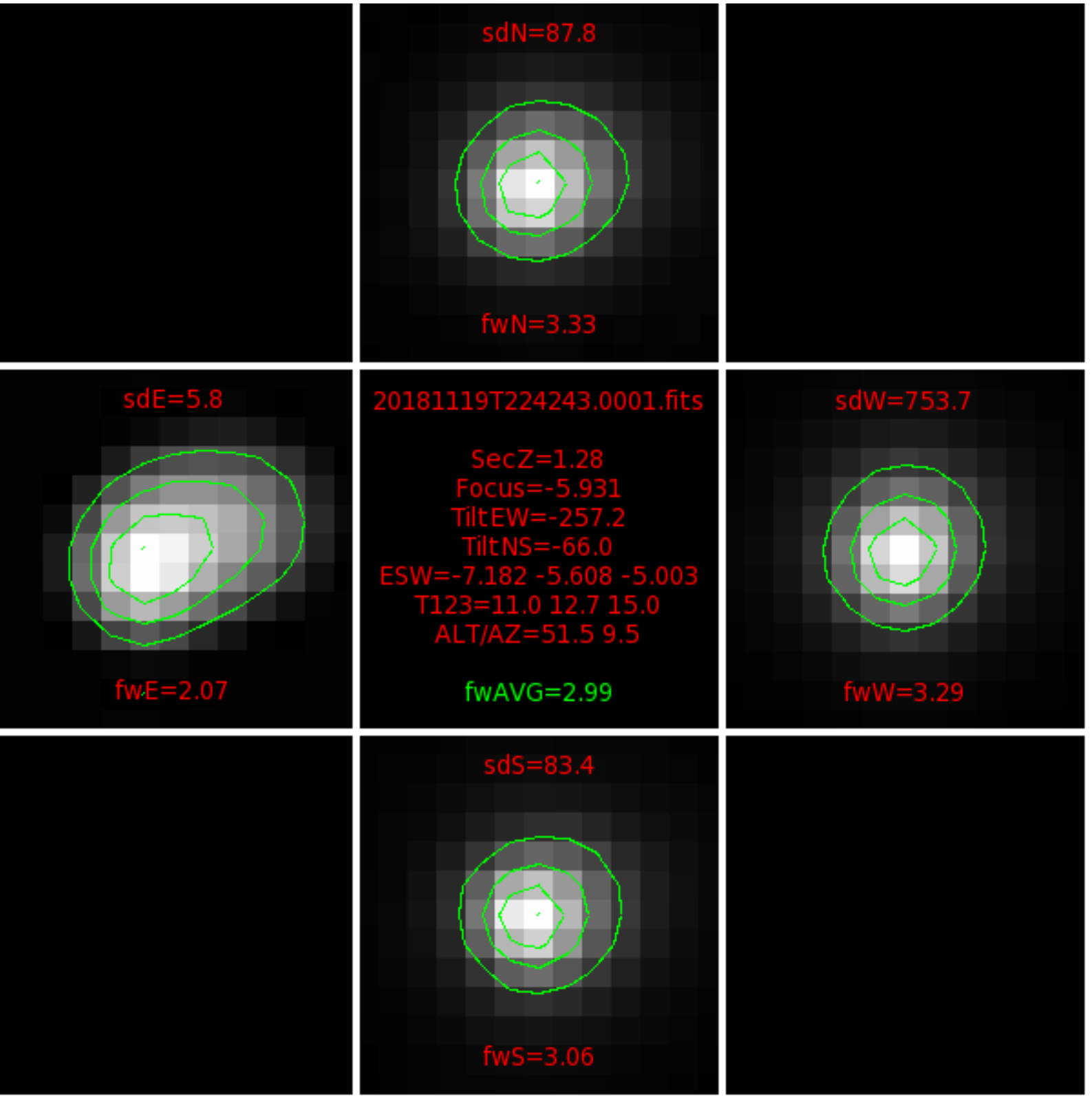
sdN=87.8
fwN=3.33
sdE=5.8
fwE=2.07
20181119T224243.0001.fits
SecZ=1.28
Focus=-5.931
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.182 -5.608 -5.003
T123=11.0 12.7 15.0
ALT/AZ=51.5 9.5
fwAVG=2.99
sdW=753.7
fwW=3.29
sdS=83.4
fwS=3.06
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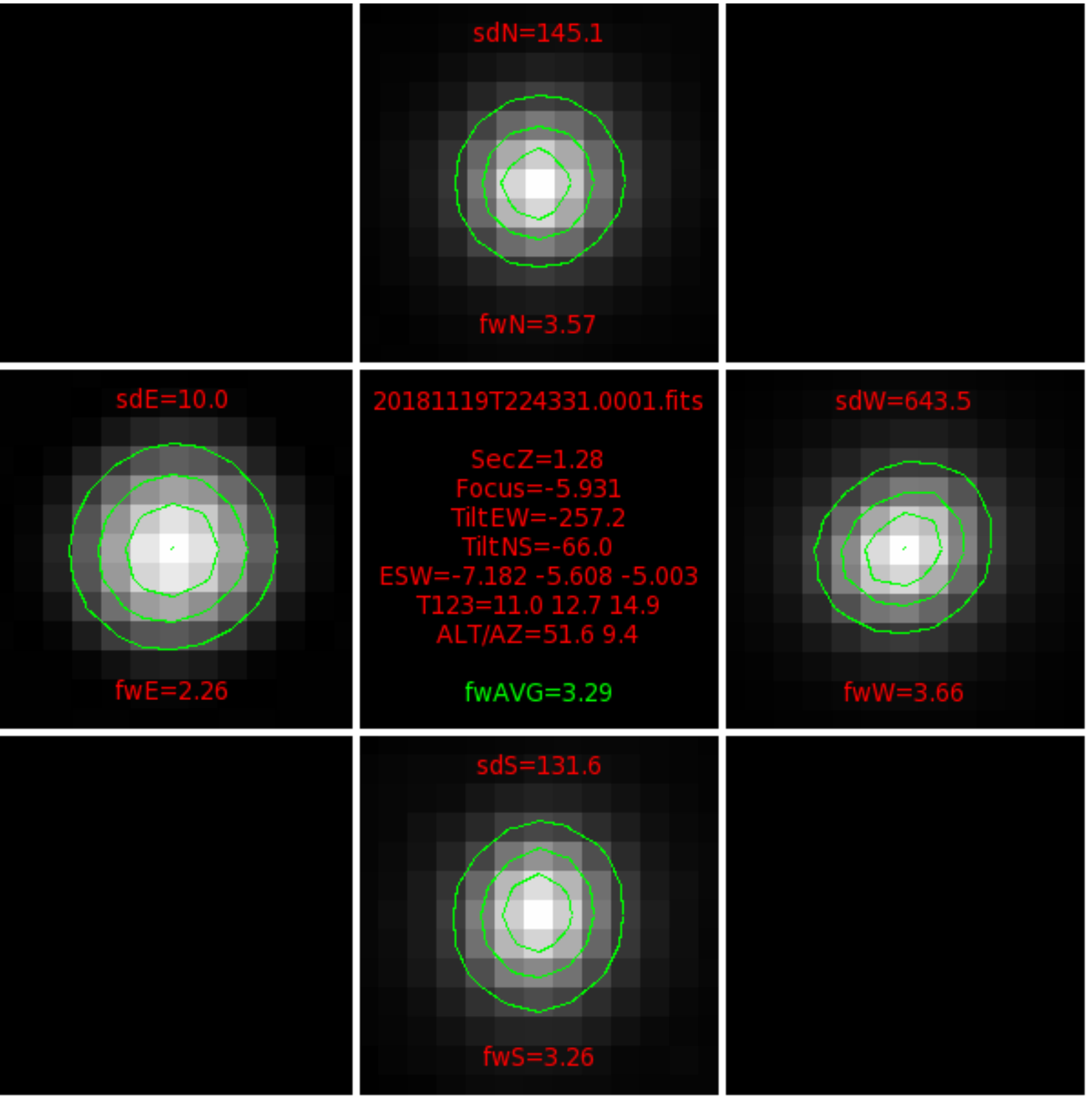
sdN=145.1
fwN=3.57
sdE=10.0
fwE=2.26
20181119T224331.0001.fits
SecZ=1.28
Focus=-5.931
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.182 -5.608 -5.003
T123=11.0 12.7 14.9
ALT/AZ=51.6 9.4
fwAVG=3.29
sdW=643.5
fwW=3.66
sdS=131.6
fwS=3.26
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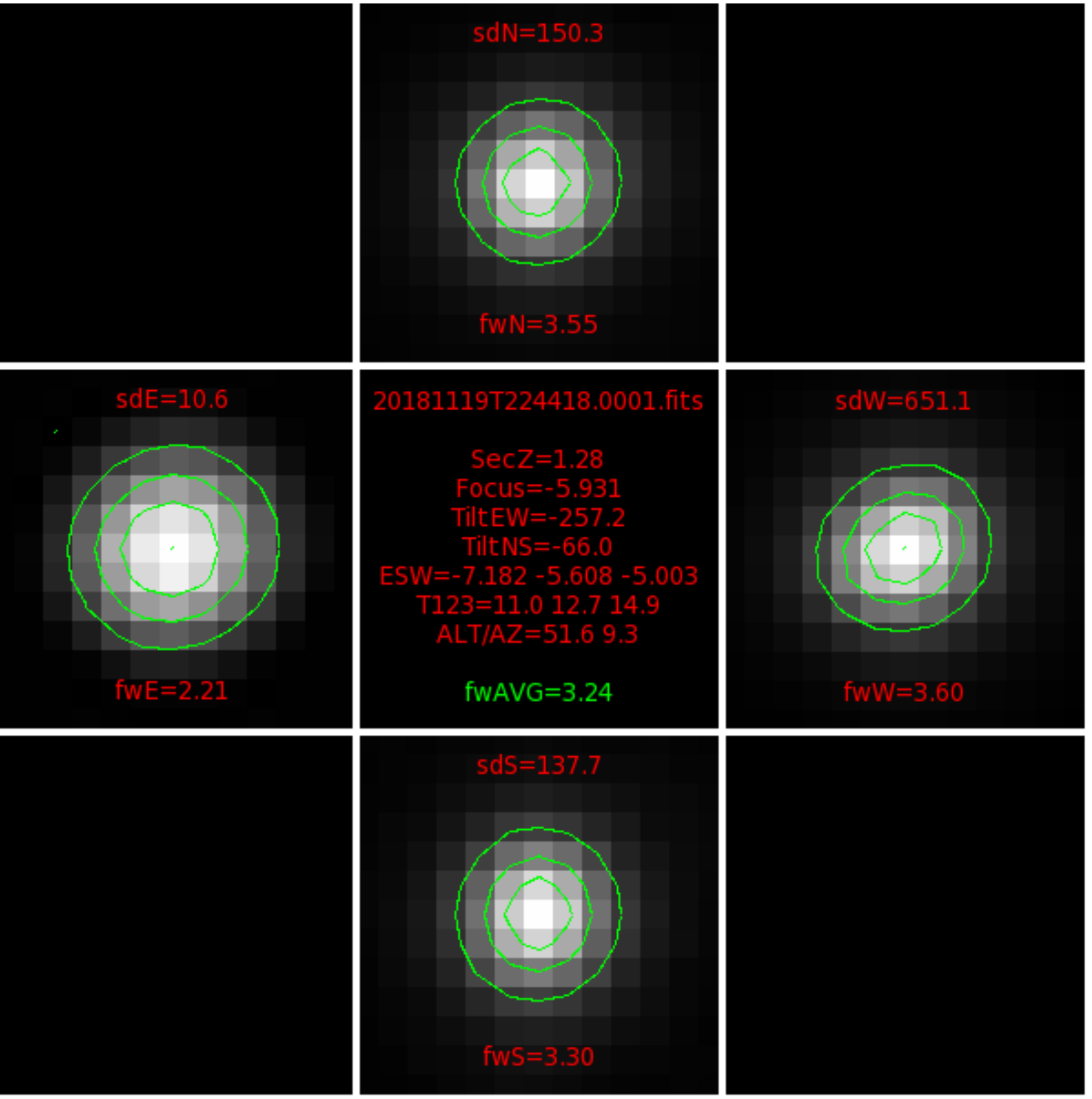
sdN=150.3
fwN=3.55
sdE=10.6
fwE=2.21
20181119T224418.0001.fits
SecZ=1.28
Focus=-5.931
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.182 -5.608 -5.003
T123=11.0 12.7 14.9
ALT/AZ=51.6 9.3
fwAVG=3.24
sdW=651.1
fwW=3.60
sdS=137.7
fwS=3.30
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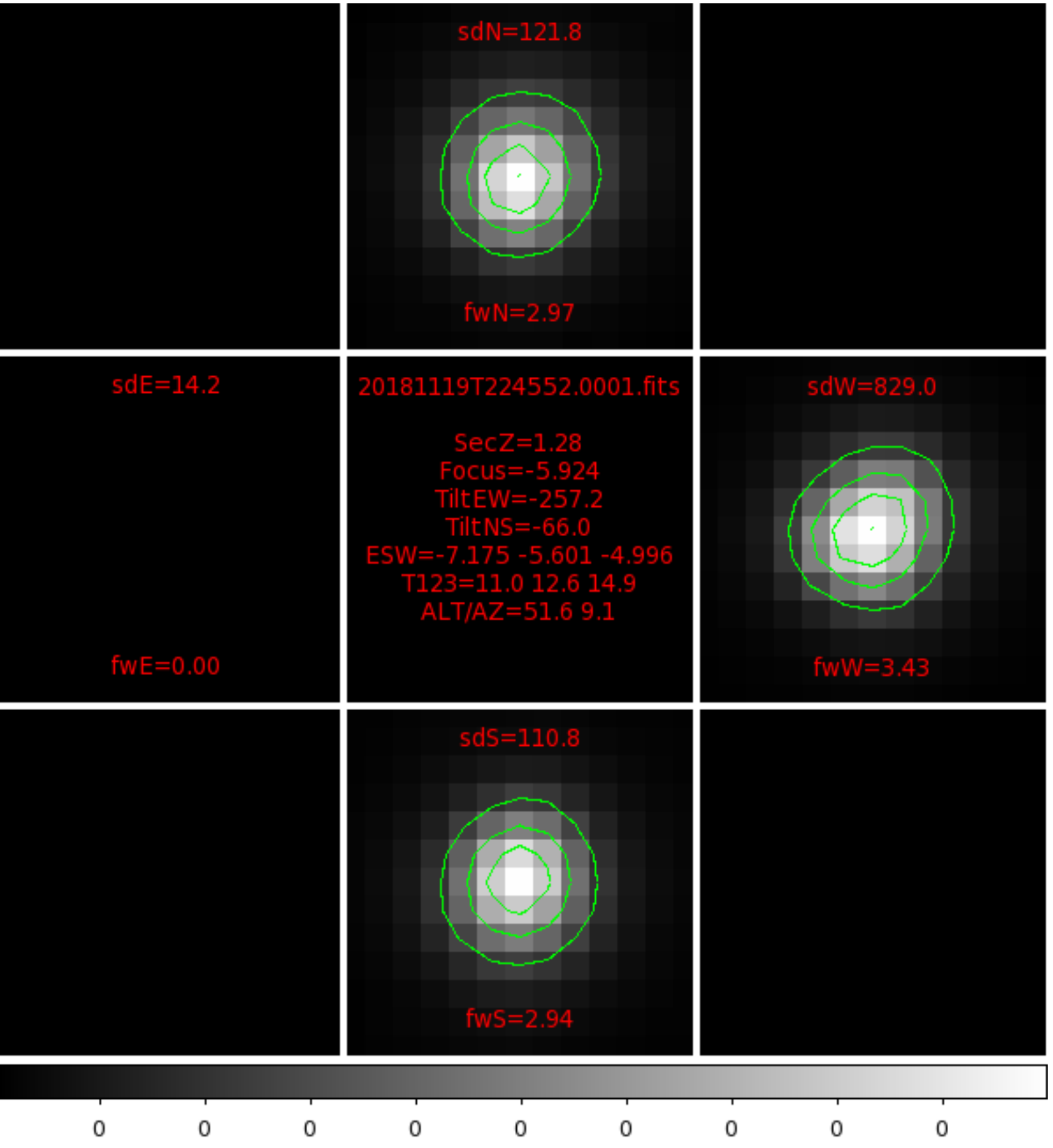
sdN=121.8
fwN=2.97
sdE=14.2
fwE=0.00
20181119T224552.0001.fits
SecZ=1.28
Focus=-5.924
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.175 -5.601 -4.996
T123=11.0 12.6 14.9
ALT/AZ=51.6 9.1
sdW=829.0
fwW=3.43
sdS=110.8
fwS=2.94
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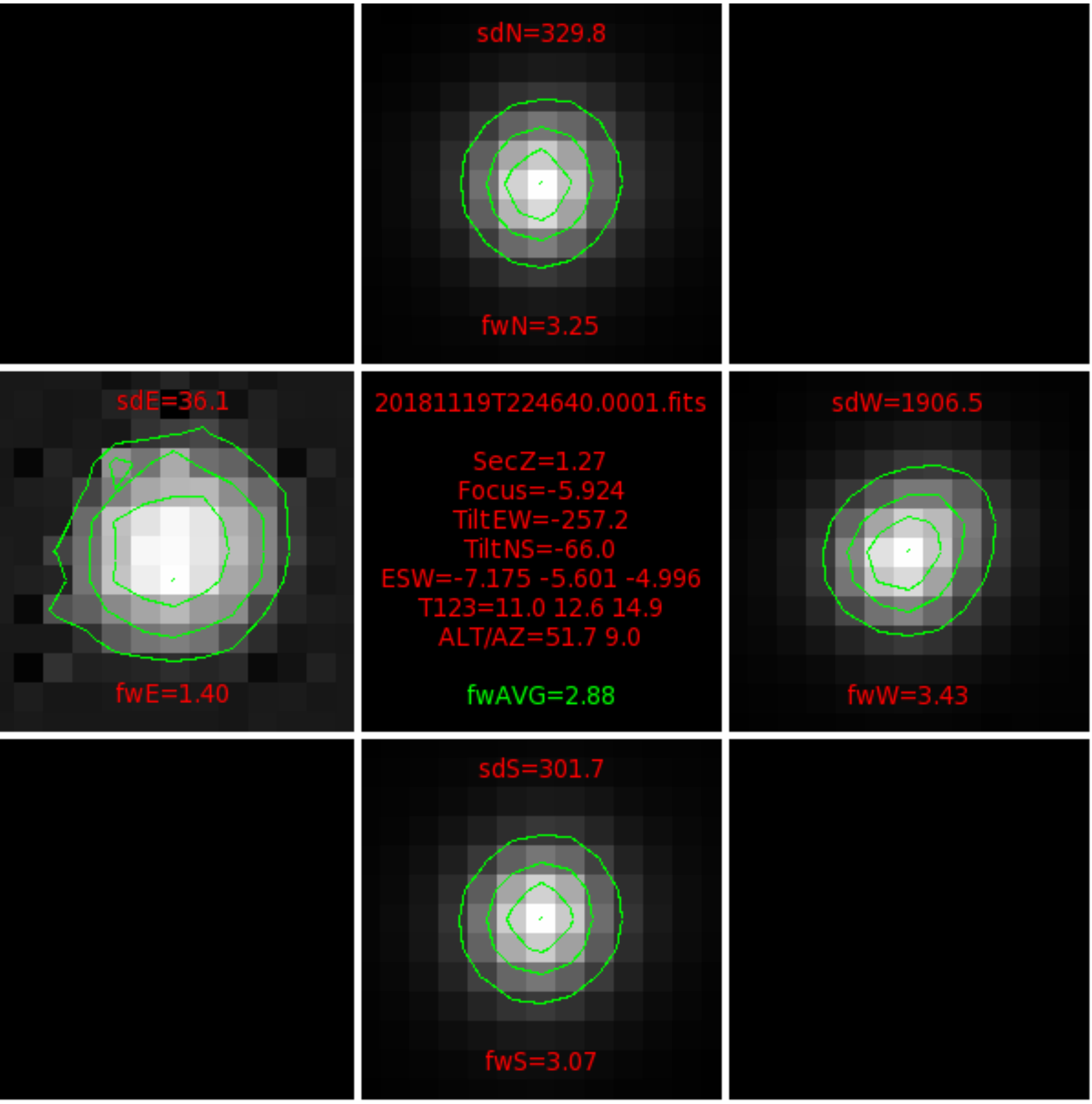
sdN=329.8
fwN=3.25
sdE=36.1
fwE=1.40
20181119T224640.0001.fits
SecZ=1.27
Focus=-5.924
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.175 -5.601 -4.996
T123=11.0 12.6 14.9
ALT/AZ=51.7 9.0
fwAVG=2.88
sdW=1906.5
fwW=3.43
sdS=301.7
fwS=3.07
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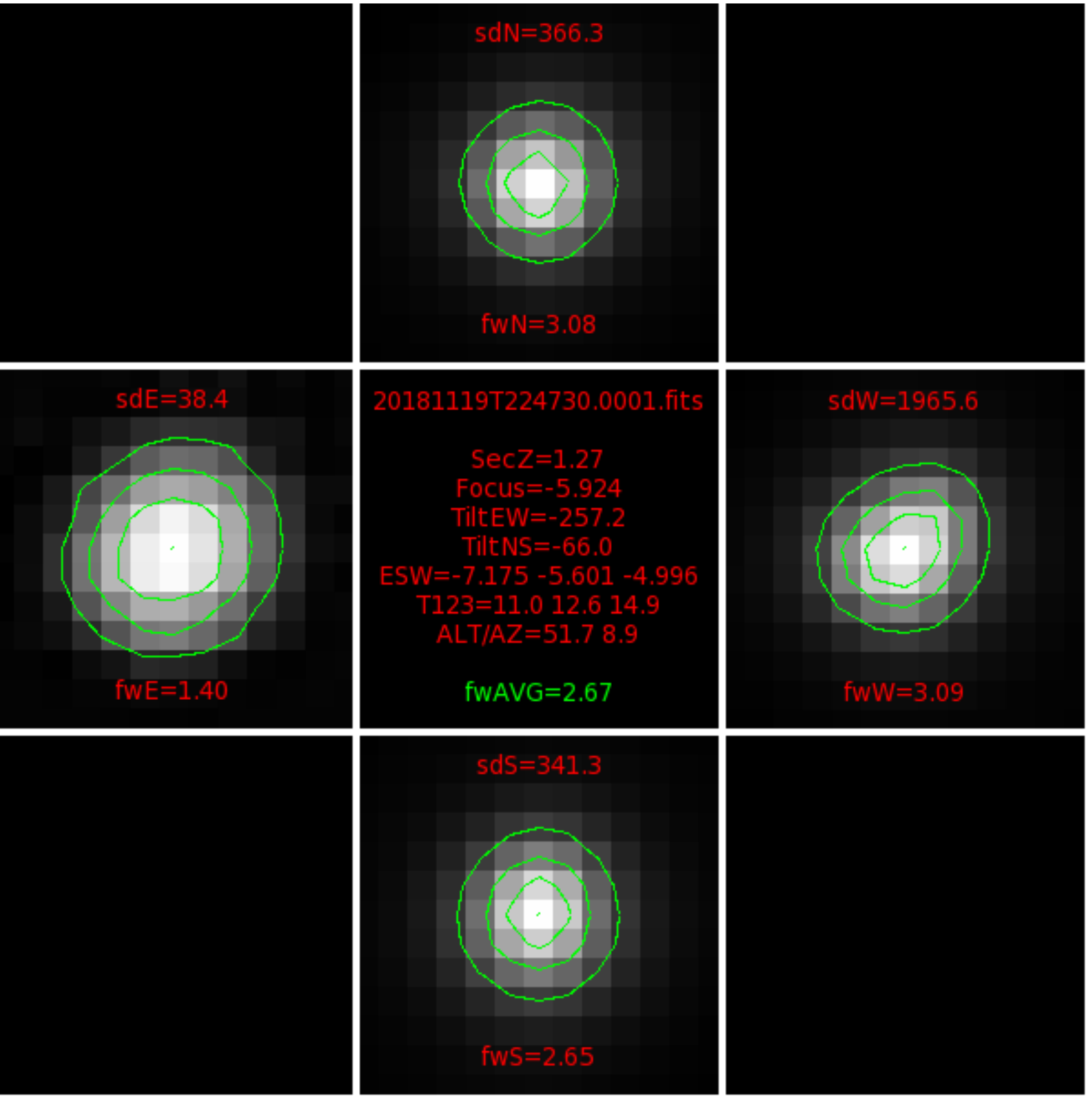
sdN=366.3
fwN=3.08
sdE=38.4
fwE=1.40
20181119T224730.0001.fits
SecZ=1.27
Focus=-5.924
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.175 -5.601 -4.996
T123=11.0 12.6 14.9
ALT/AZ=51.7 8.9
fwAVG=2.67
sdW=1965.6
fwW=3.09
sdS=341.3
fwS=2.65
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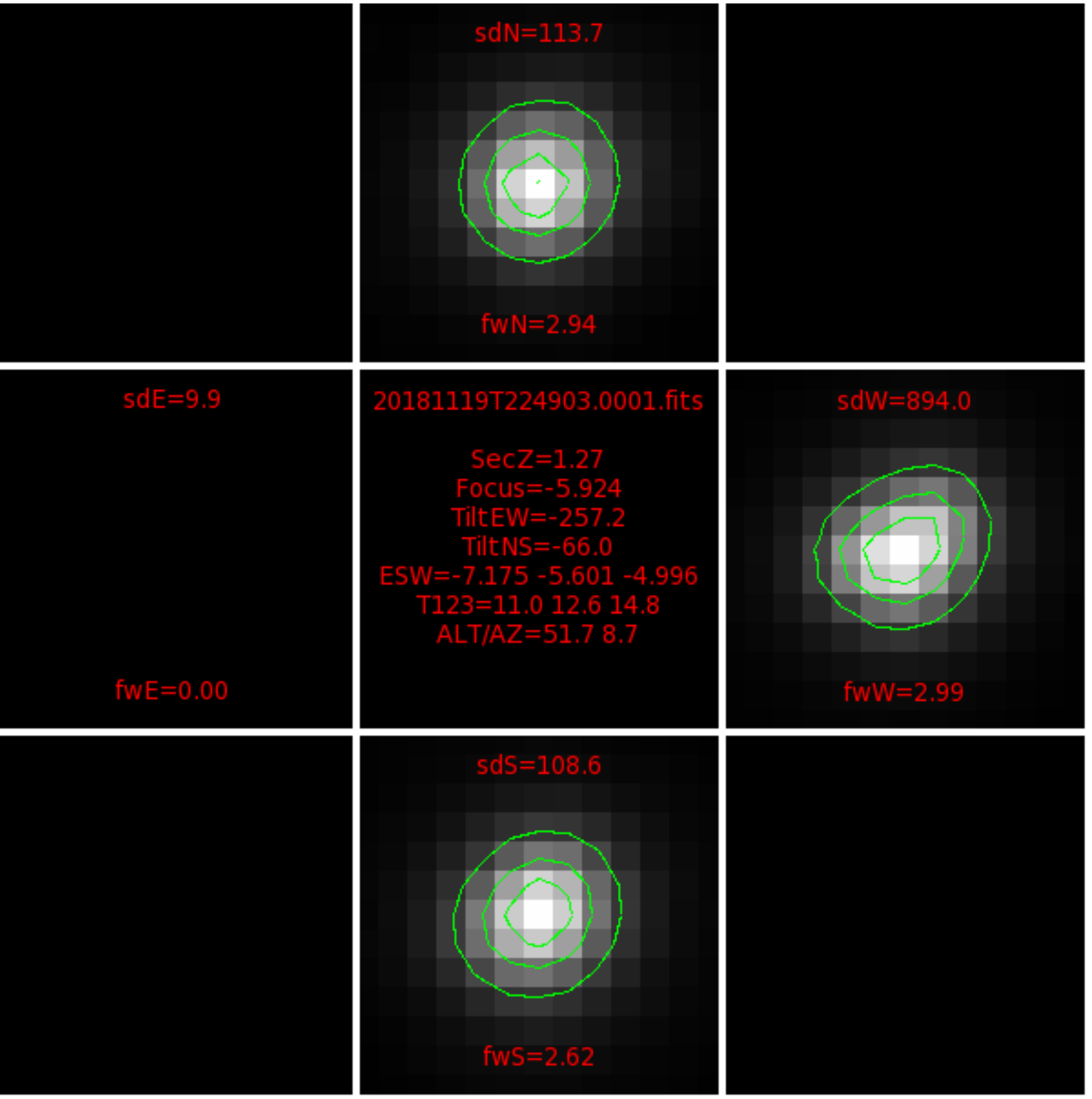
sdN=113.7
fwN=2.94
sdE=9.9
fwE=0.00
20181119T224903.0001.fits
SecZ=1.27
Focus=-5.924
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.175 -5.601 -4.996
T123=11.0 12.6 14.8
ALT/AZ=51.7 8.7
sdW=894.0
fwW=2.99
sdS=108.6
fwS=2.62
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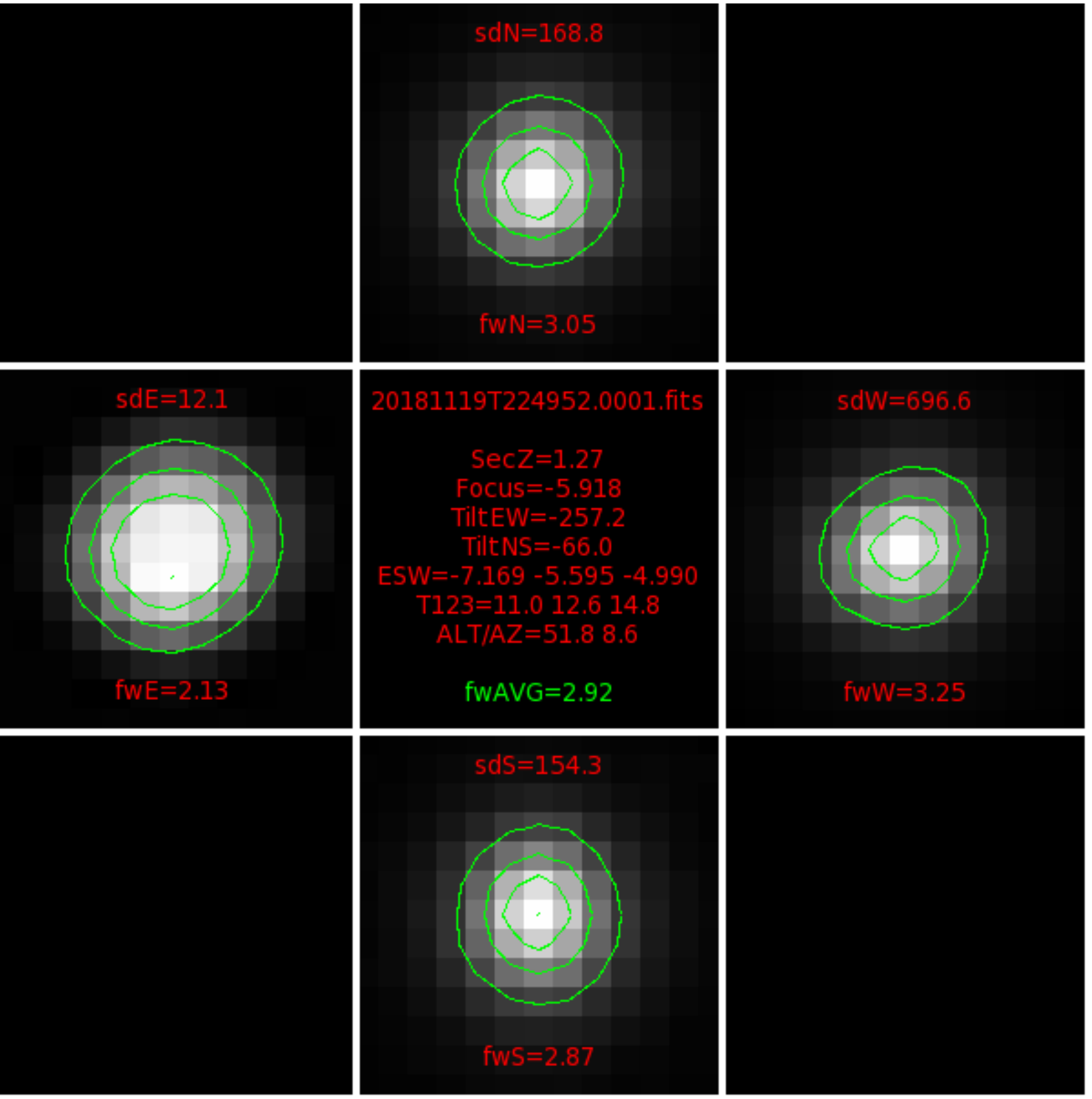
sdN=168.8
fwN=3.05
sdE=12.1
fwE=2.13
20181119T224952.0001.fits
SecZ=1.27
Focus=-5.918
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.169 -5.595 -4.990
T123=11.0 12.6 14.8
ALT/AZ=51.8 8.6
fwAVG=2.92
sdW=696.6
fwW=3.25
sdS=154.3
fwS=2.87
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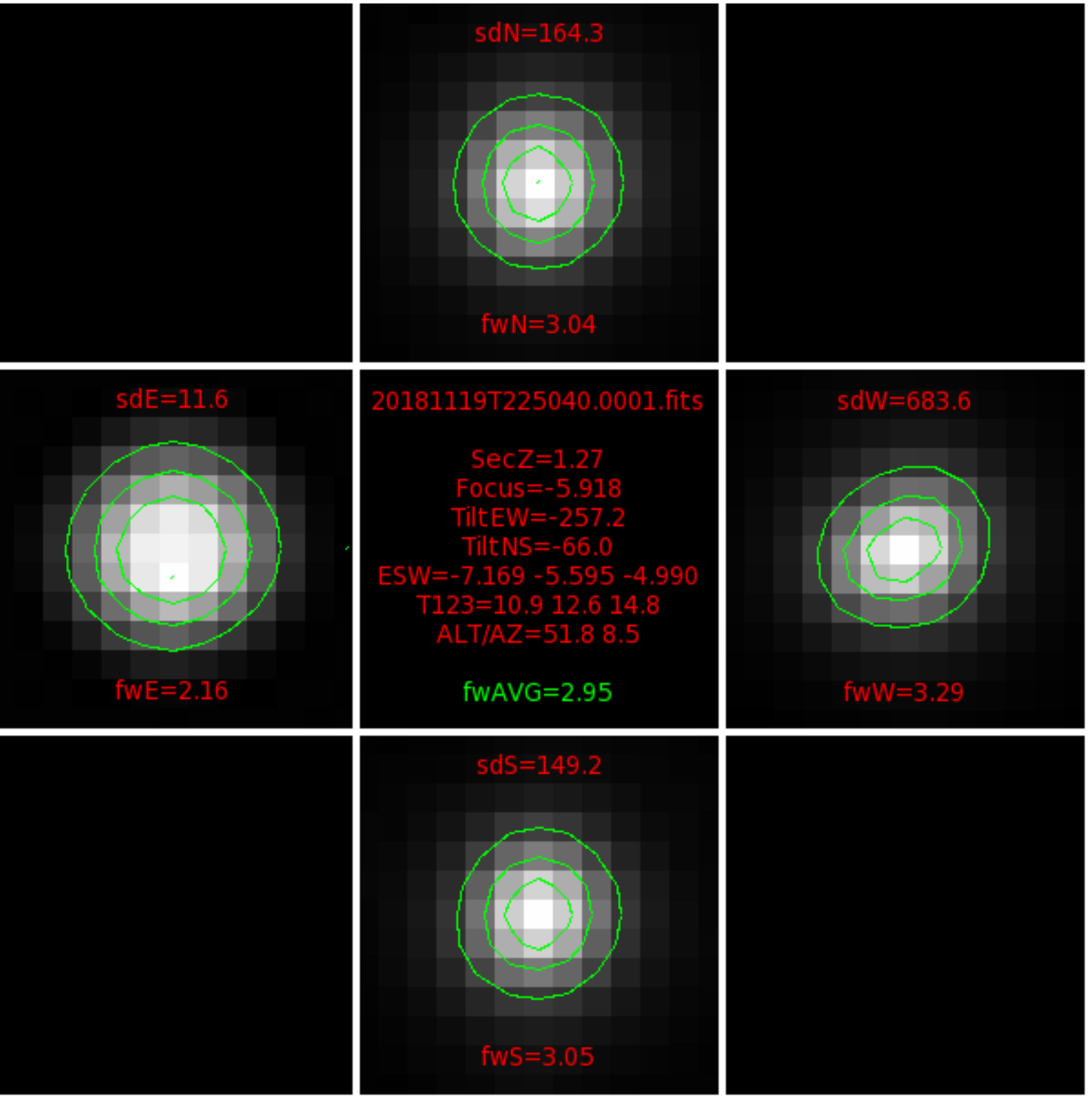
sdN=164.3
fwN=3.04
sdE=11.6
fwE=2.16
20181119T225040.0001.fits
SecZ=1.27
Focus=-5.918
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.169 -5.595 -4.990
T123=10.9 12.6 14.8
ALT/AZ=51.8 8.5
fwAVG=2.95
sdW=683.6
fwW=3.29
sdS=149.2
fwS=3.05
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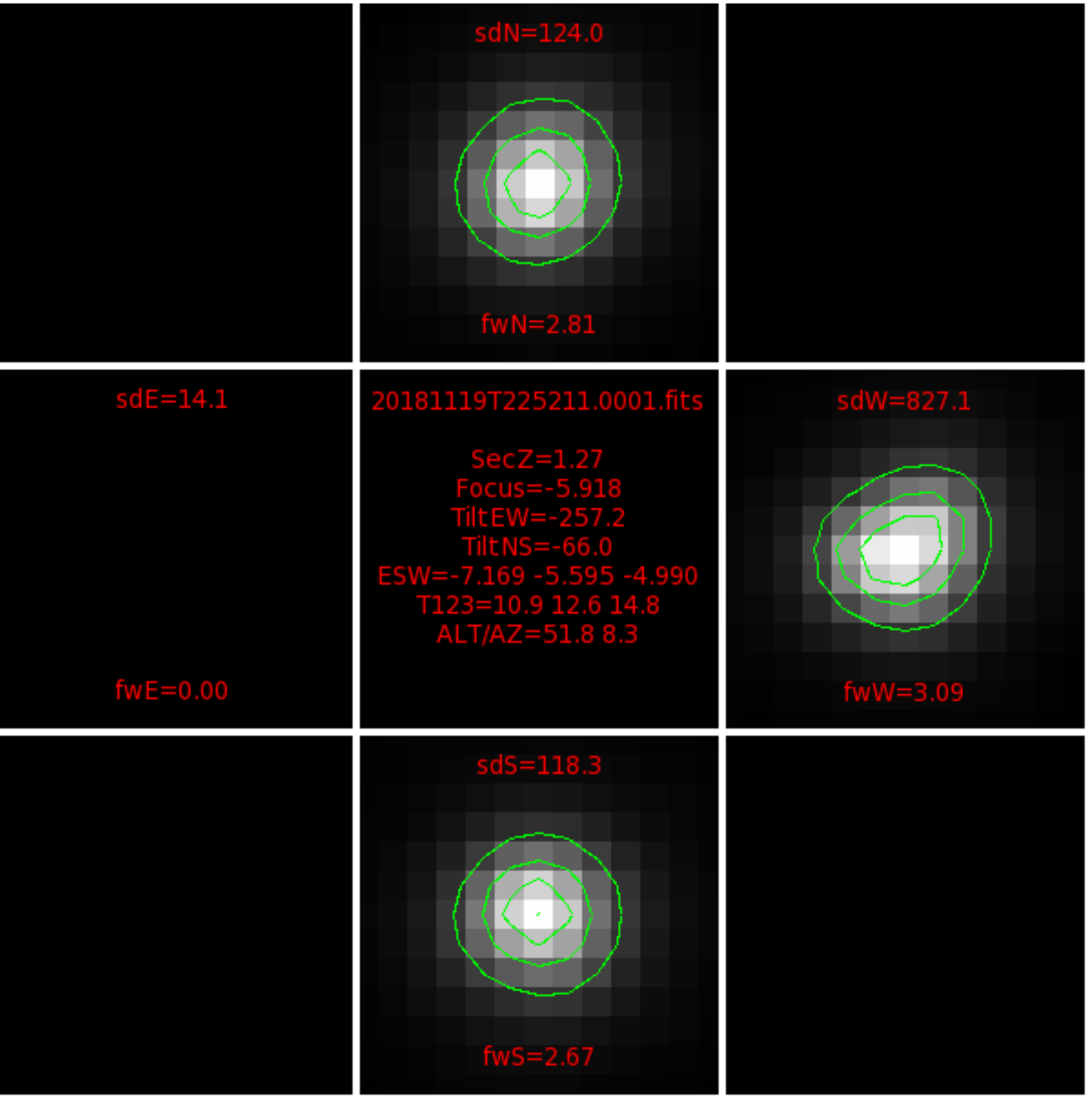
sdN=124.0
fwN=2.81
sdE=14.1
fwE=0.00
20181119T225211.0001.fits
SecZ=1.27
Focus=-5.918
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.169 -5.595 -4.990
T123=10.9 12.6 14.8
ALT/AZ=51.8 8.3
sdW=827.1
fwW=3.09
sdS=118.3
fwS=2.67
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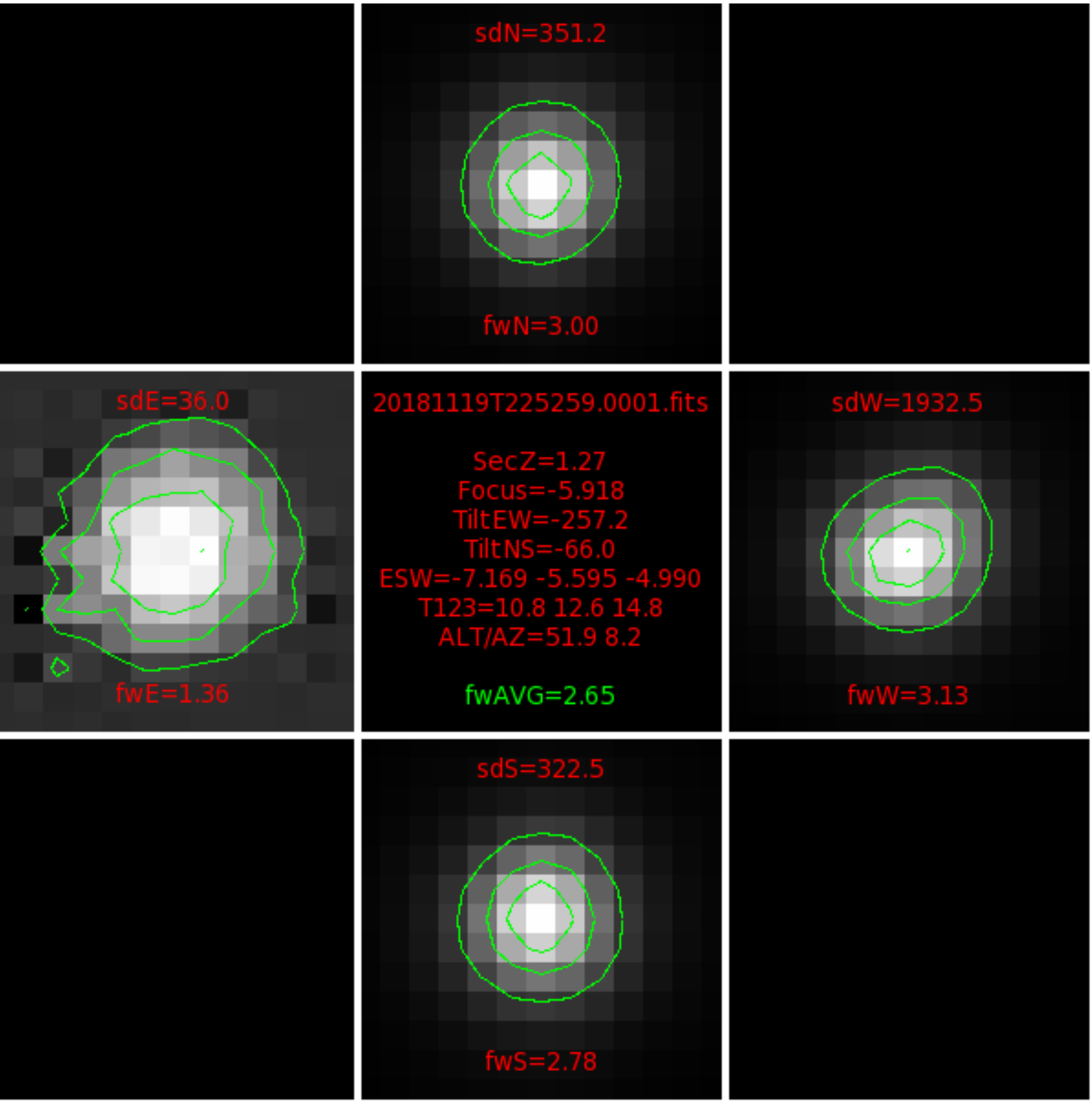
sdN=351.2
fwN=3.00
sdE=36.0
fwE=1.36
20181119T225259.0001.fits
SecZ=1.27
Focus=-5.918
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.169 -5.595 -4.990
T123=10.8 12.6 14.8
ALT/AZ=51.9 8.2
fwAVG=2.65
sdW=1932.5
fwW=3.13
sdS=322.5
fwS=2.78
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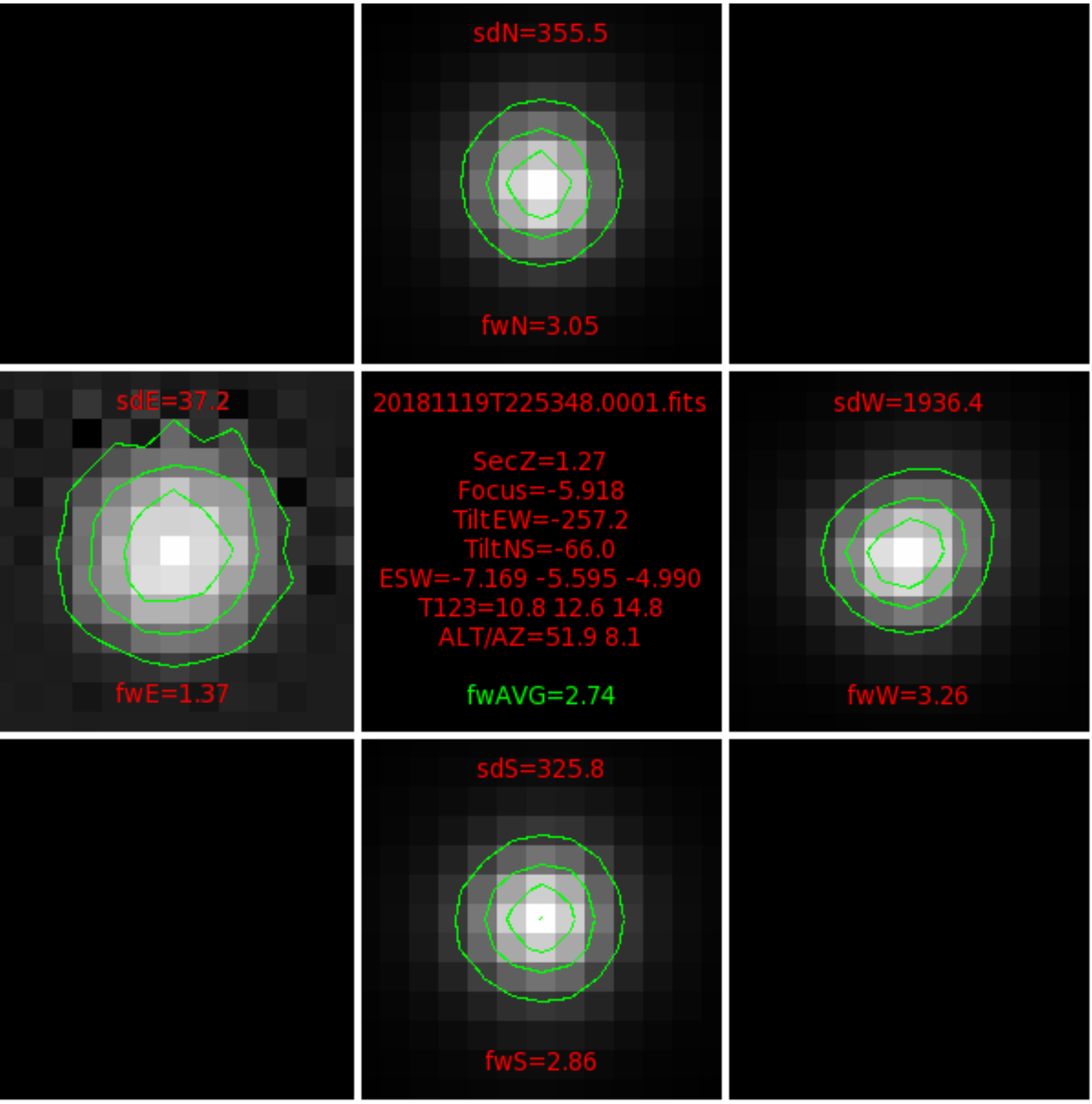
sdN=355.5
fwN=3.05
sdE=37.2
fwE=1.37
20181119T225348.0001.fits
SecZ=1.27
Focus=-5.918
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.169 -5.595 -4.990
T123=10.8 12.6 14.8
ALT/AZ=51.9 8.1
fwAVG=2.74
sdW=1936.4
fwW=3.26
sdS=325.8
fwS=2.86
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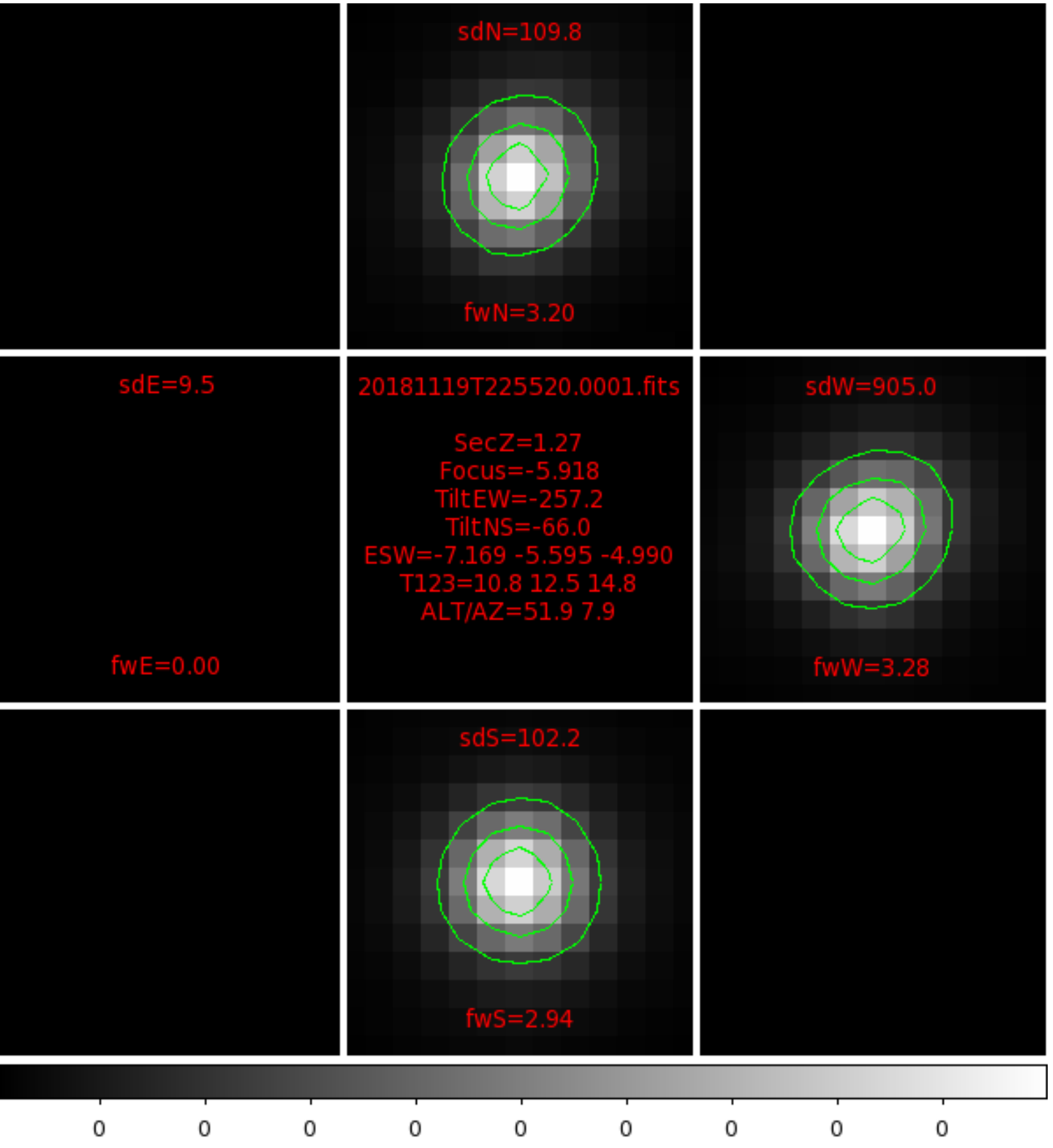
sdN=109.8
fwN=3.20
sdE=9.5
fwE=0.00
20181119T225520.0001.fits
SecZ=1.27
Focus=-5.918
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.169 -5.595 -4.990
T123=10.8 12.5 14.8
ALT/AZ=51.9 7.9
sdW=905.0
fwW=3.28
sdS=102.2
fwS=2.94
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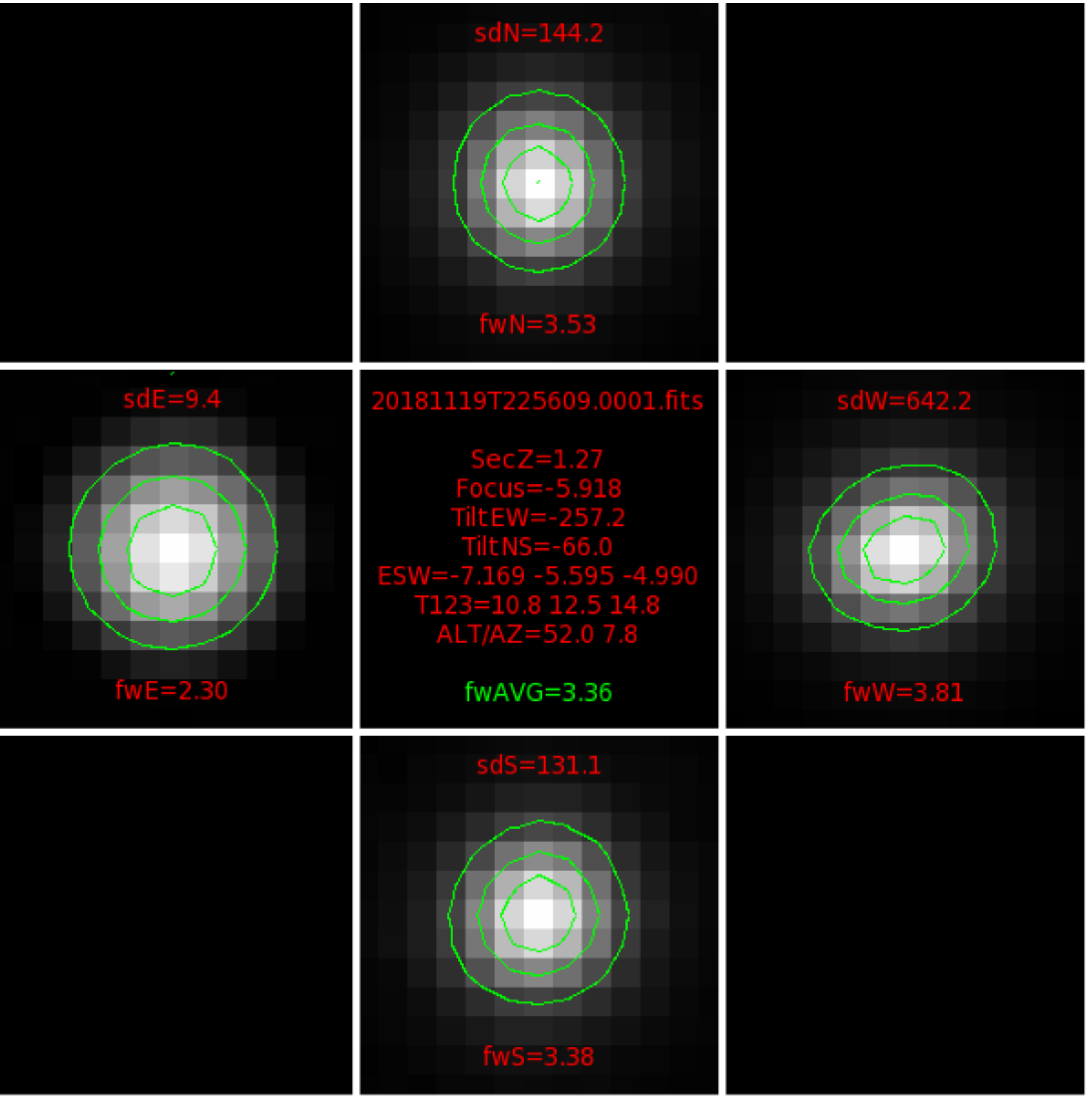
sdN=144.2
fwN=3.53
sdE=9.4
fwE=2.30
20181119T225609.0001.fits
SecZ=1.27
Focus=-5.918
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.169 -5.595 -4.990
T123=10.8 12.5 14.8
ALT/AZ=52.0 7.8
fwAVG=3.36
sdW=642.2
fwW=3.81
sdS=131.1
fwS=3.38
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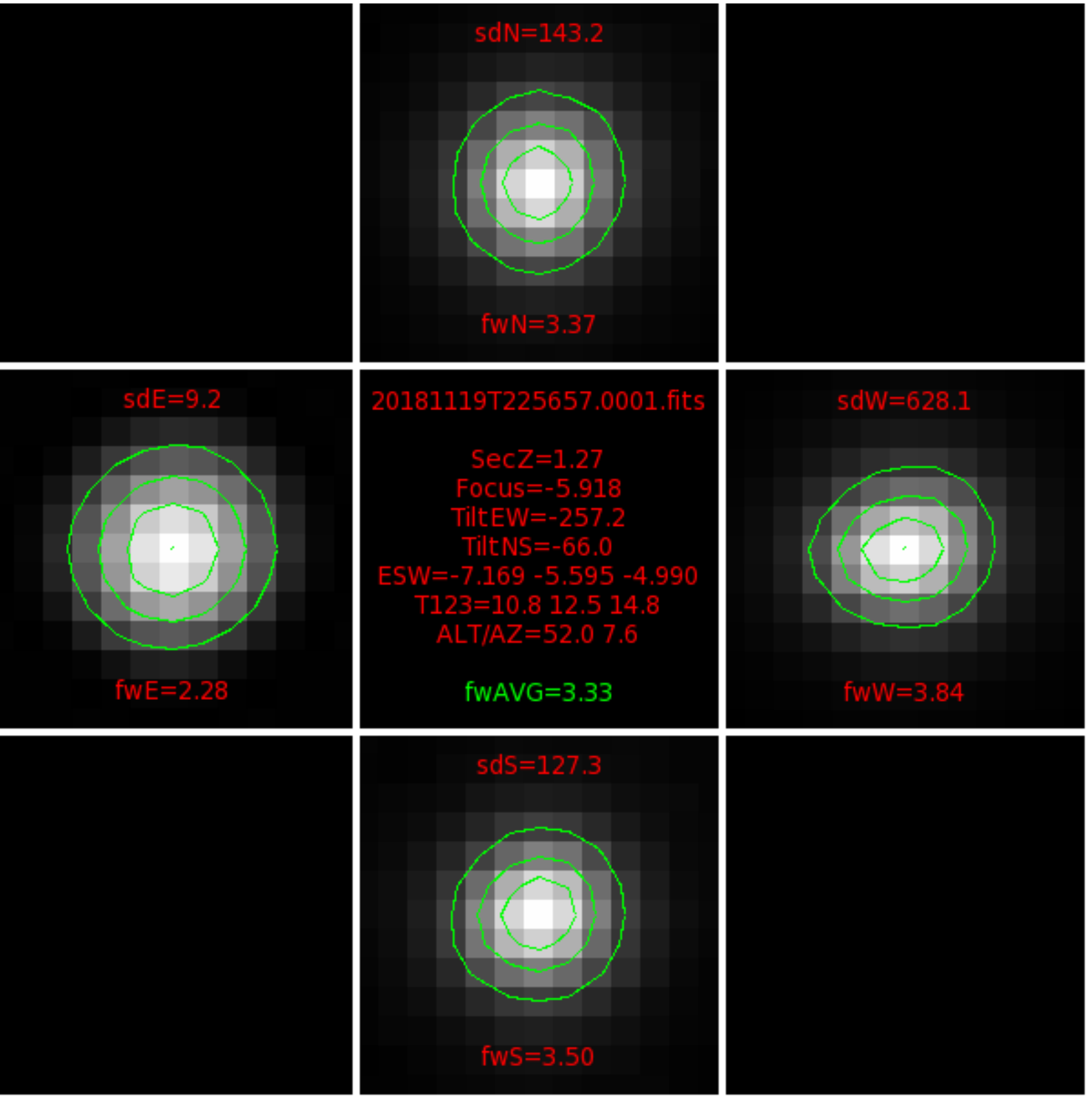
sdN=143.2
fwN=3.37
sdE=9.2
fwE=2.28
20181119T225657.0001.fits
SecZ=1.27
Focus=-5.918
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.169 -5.595 -4.990
T123=10.8 12.5 14.8
ALT/AZ=52.0 7.6
fwAVG=3.33
sdW=628.1
fwW=3.84
sdS=127.3
fwS=3.50
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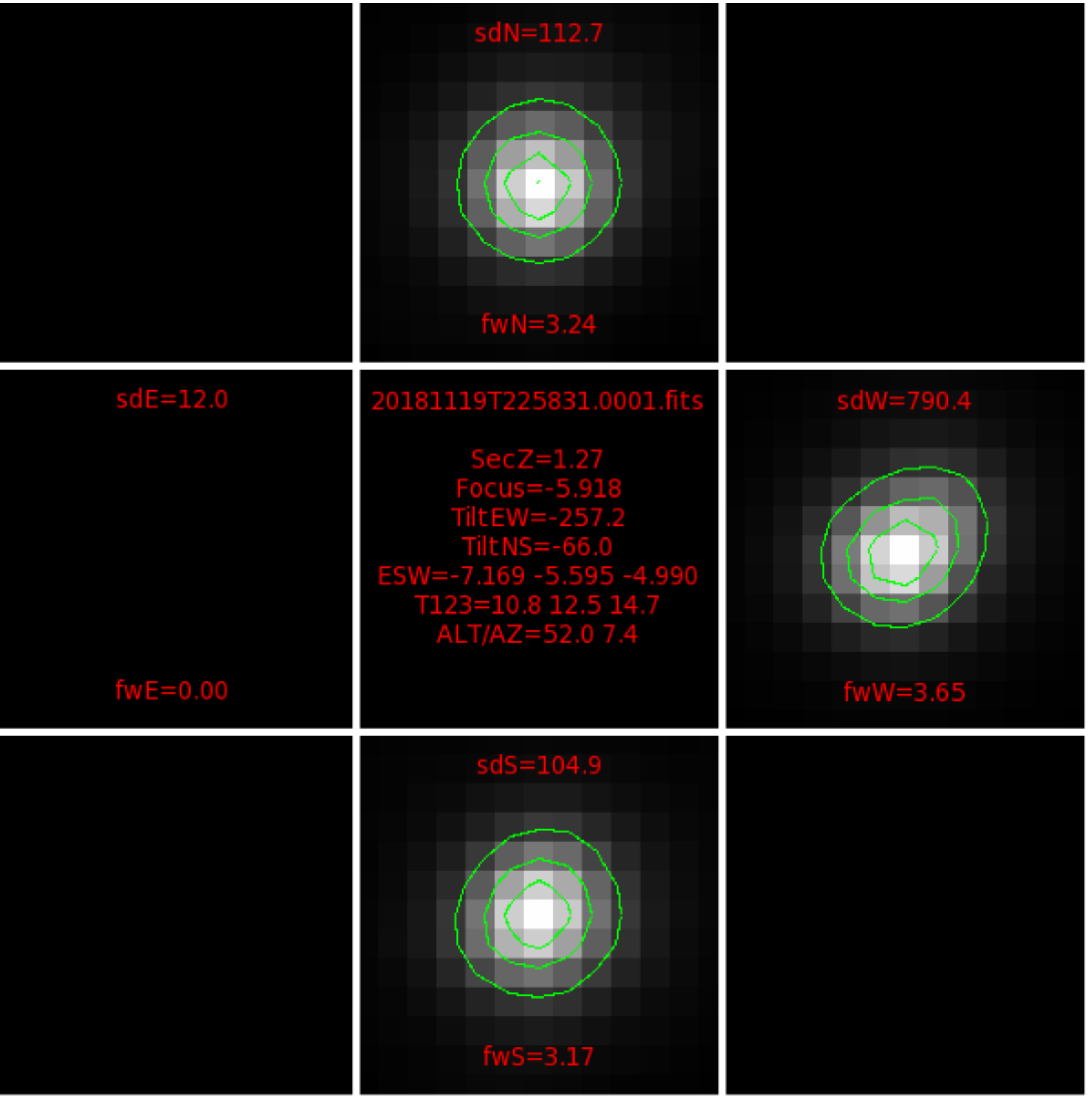
sdN=112.7
fwN=3.24
sdE=12.0
fwE=0.00
20181119T225831.0001.fits
SecZ=1.27
Focus=-5.918
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.169 -5.595 -4.990
T123=10.8 12.5 14.7
ALT/AZ=52.0 7.4
sdW=790.4
fwW=3.65
sdS=104.9
fwS=3.17
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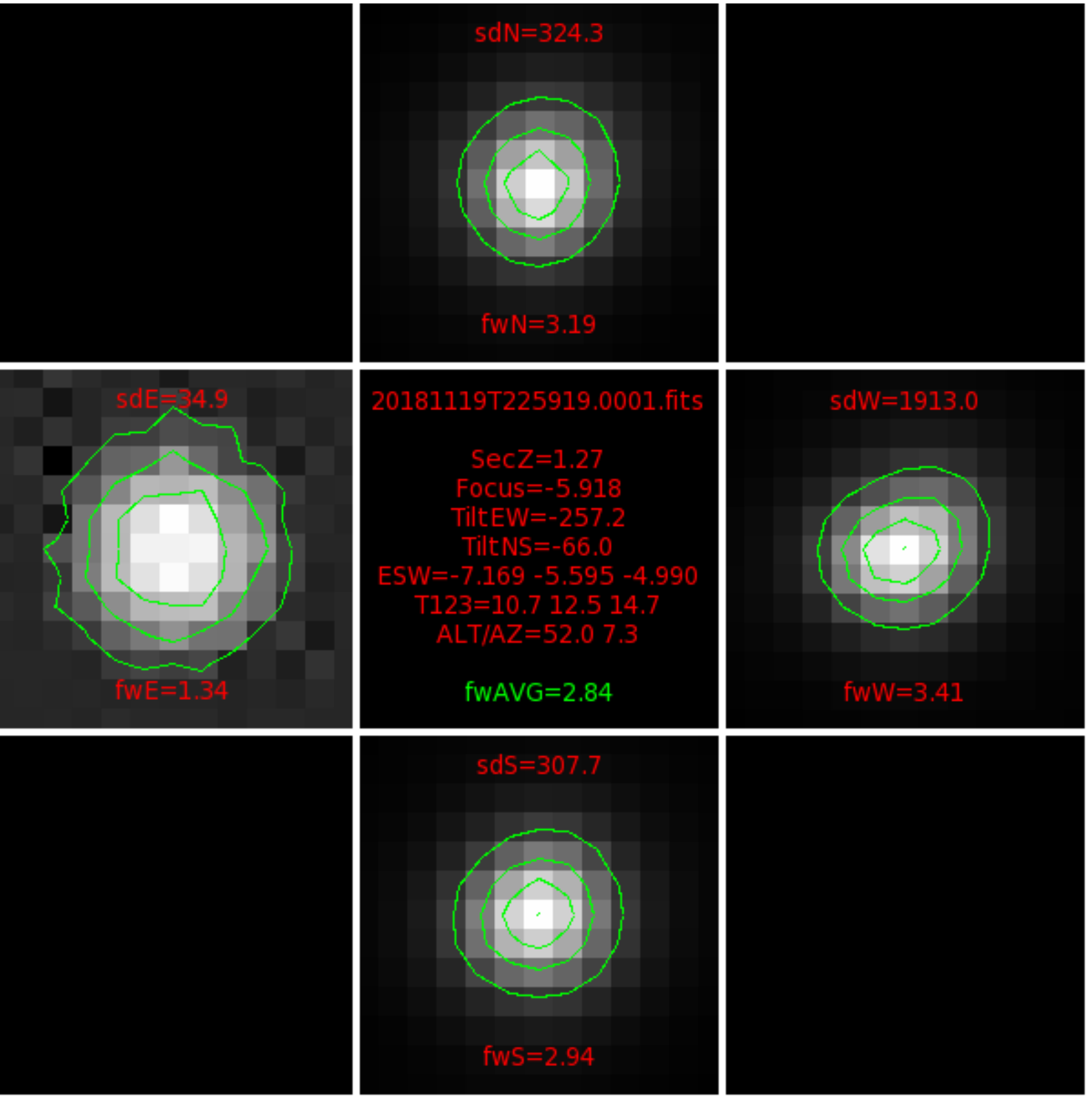
sdN=324.3
fwN=3.19
sdE=34.9
fwE=1.34
20181119T225919.0001.fits
SecZ=1.27
Focus=-5.918
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.169 -5.595 -4.990
T123=10.7 12.5 14.7
ALT/AZ=52.0 7.3
fwAVG=2.84
sdW=1913.0
fwW=3.41
sdS=307.7
fwS=2.94
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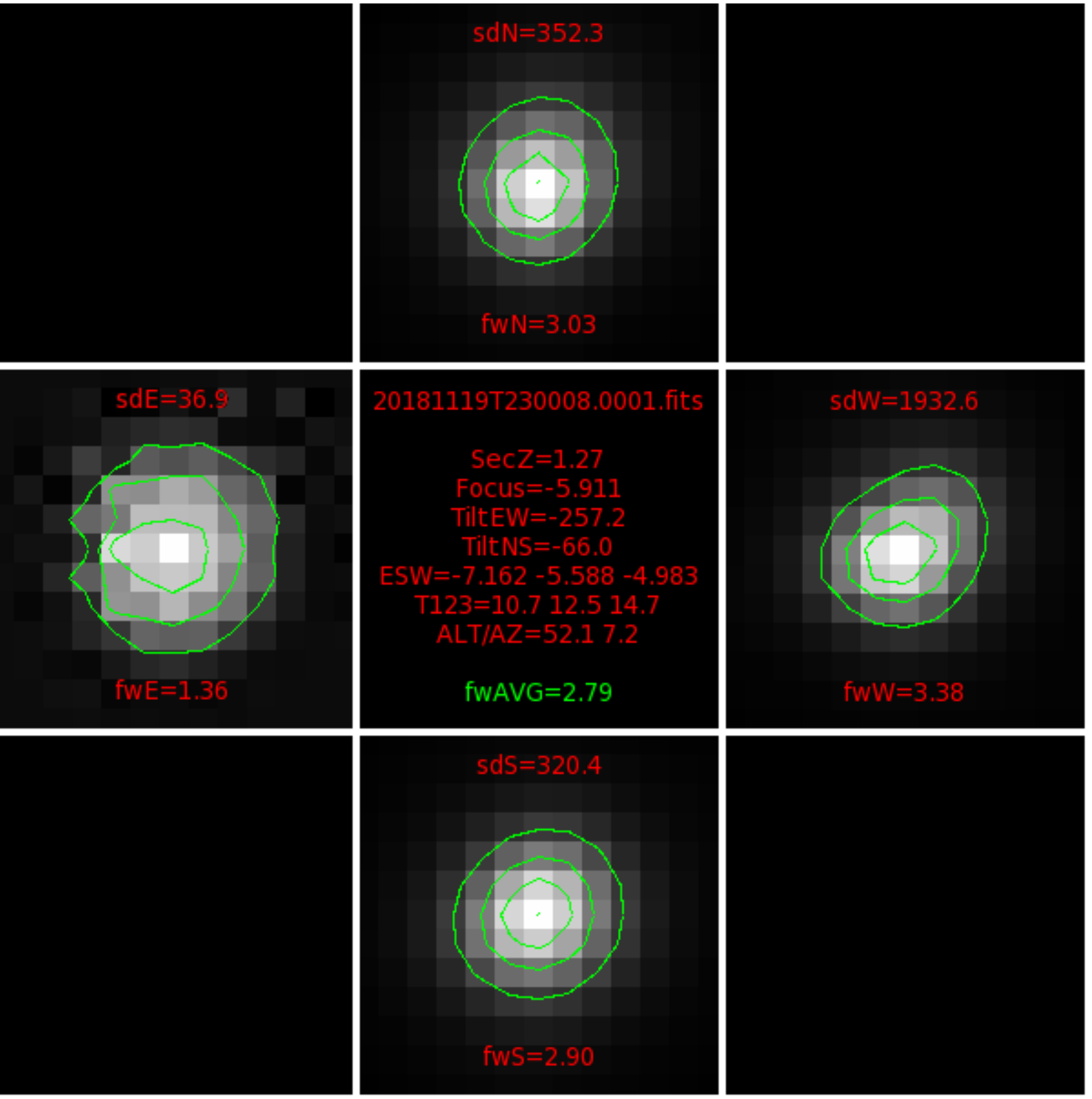
sdN=352.3
fwN=3.03
sdE=36.9
fwE=1.36
20181119T230008.0001.fits
SecZ=1.27
Focus=-5.911
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.162 -5.588 -4.983
T123=10.7 12.5 14.7
ALT/AZ=52.1 7.2
fwAVG=2.79
sdW=1932.6
fwW=3.38
sdS=320.4
fwS=2.90
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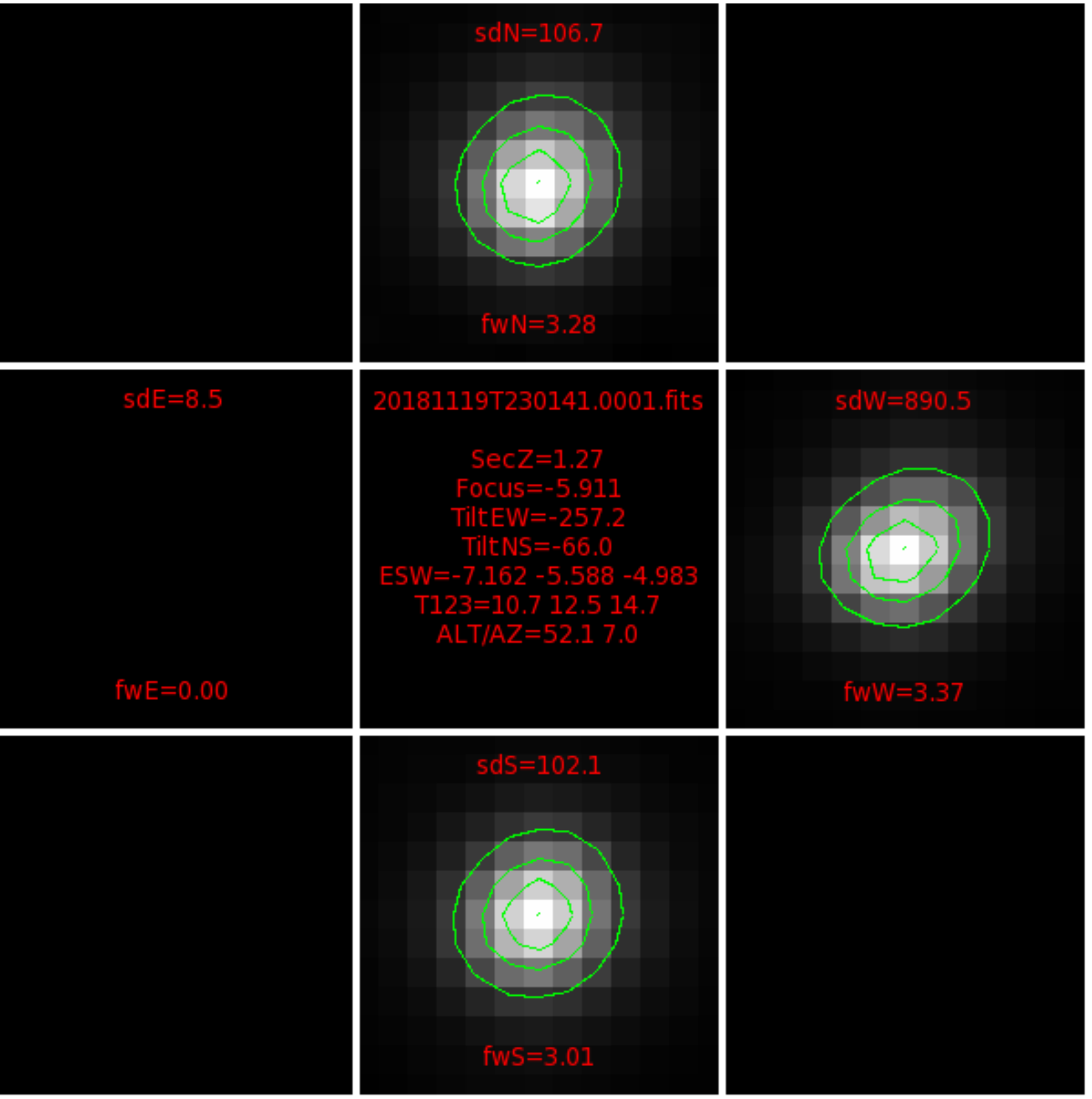
sdN=106.7
fwN=3.28
sdE=8.5
fwE=0.00
20181119T230141.0001.fits
SecZ=1.27
Focus=-5.911
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.162 -5.588 -4.983
T123=10.7 12.5 14.7
ALT/AZ=52.1 7.0
sdW=890.5
fwW=3.37
sdS=102.1
fwS=3.01
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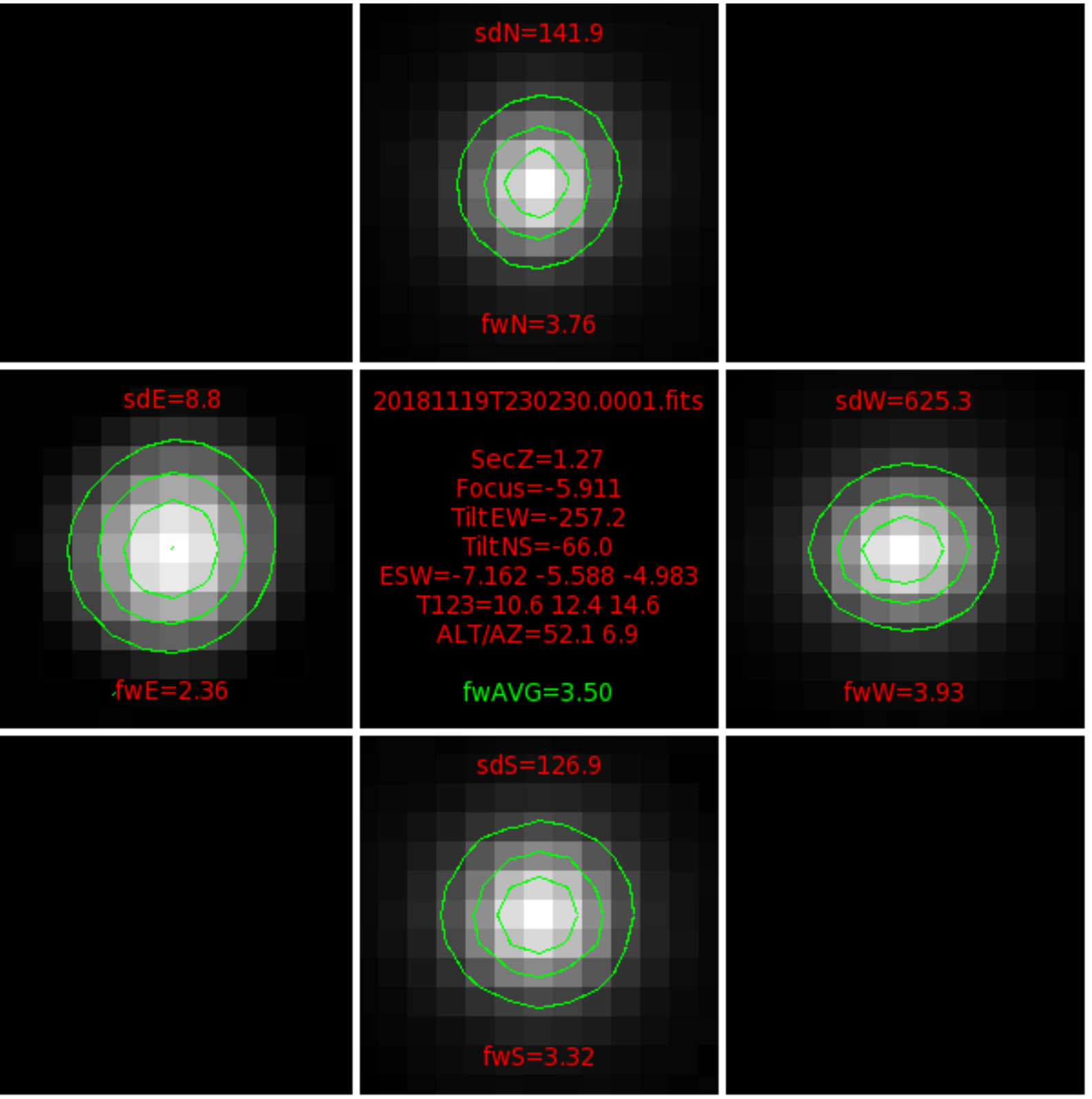
sdN=141.9
fwN=3.76
sdE=8.8
fwE=2.36
20181119T230230.0001.fits
SecZ=1.27
Focus=-5.911
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.162 -5.588 -4.983
T123=10.6 12.4 14.6
ALT/AZ=52.1 6.9
fwAVG=3.50
sdW=625.3
fwW=3.93
sdS=126.9
fwS=3.32
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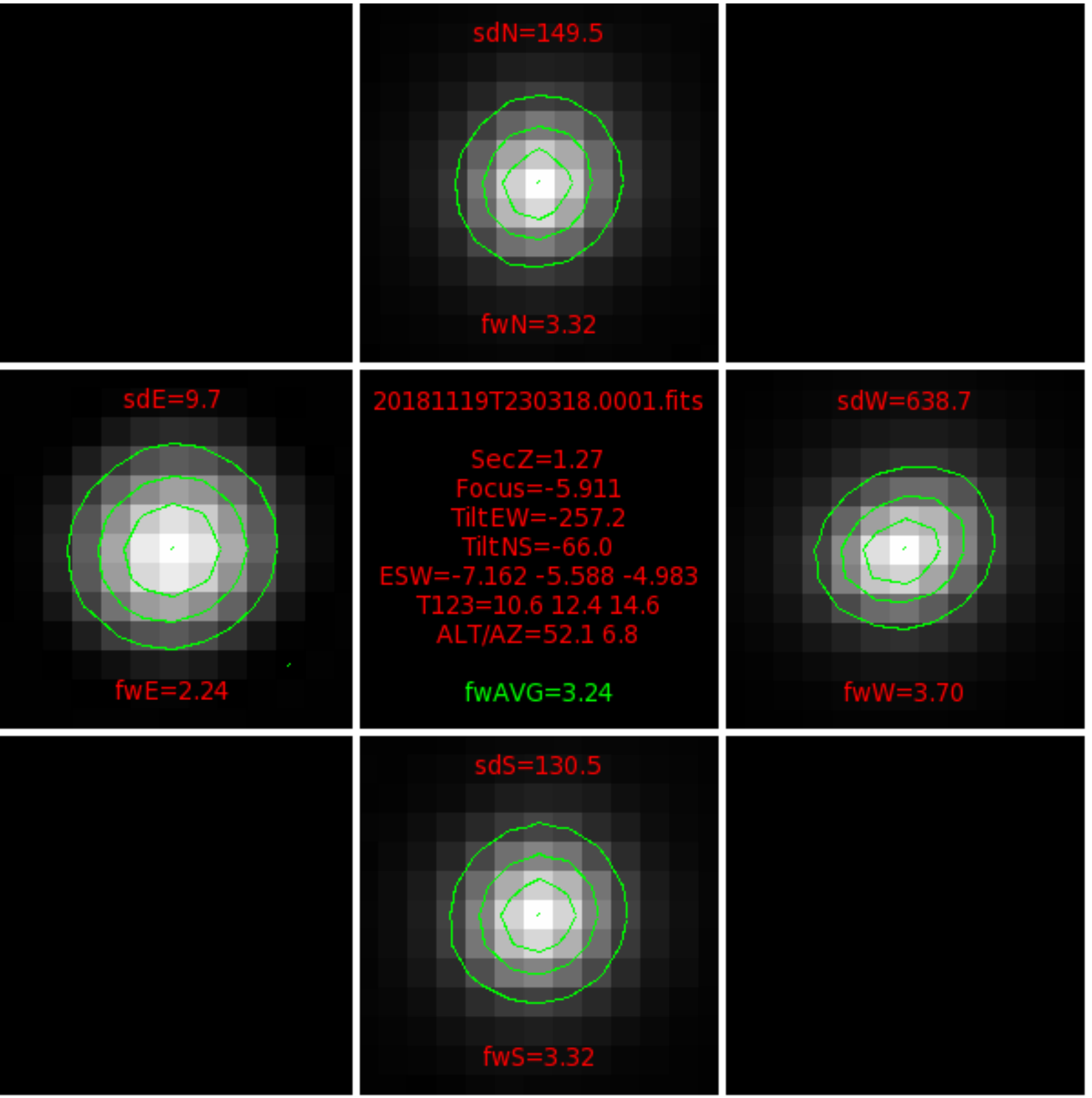
sdN=149.5
fwN=3.32
sdE=9.7
fwE=2.24
20181119T230318.0001.fits
SecZ=1.27
Focus=-5.911
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.162 -5.588 -4.983
T123=10.6 12.4 14.6
ALT/AZ=52.1 6.8
fwAVG=3.24
sdW=638.7
fwW=3.70
sdS=130.5
fwS=3.32
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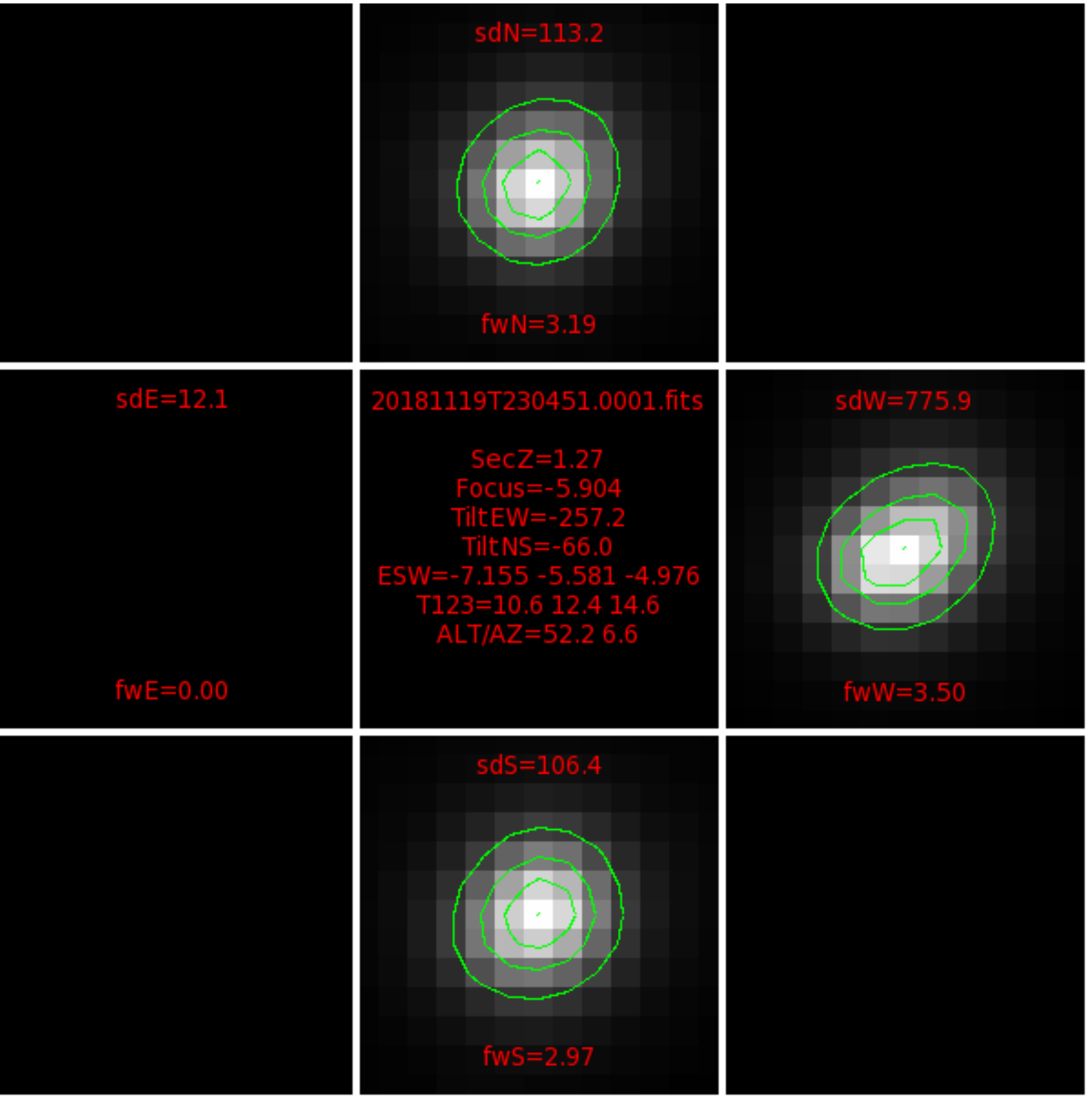
sdN=113.2
fwN=3.19
sdE=12.1
fwE=0.00
20181119T230451.0001.fits
SecZ=1.27
Focus=-5.904
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.155 -5.581 -4.976
T123=10.6 12.4 14.6
ALT/AZ=52.2 6.6
sdW=775.9
fwW=3.50
sdS=106.4
fwS=2.97
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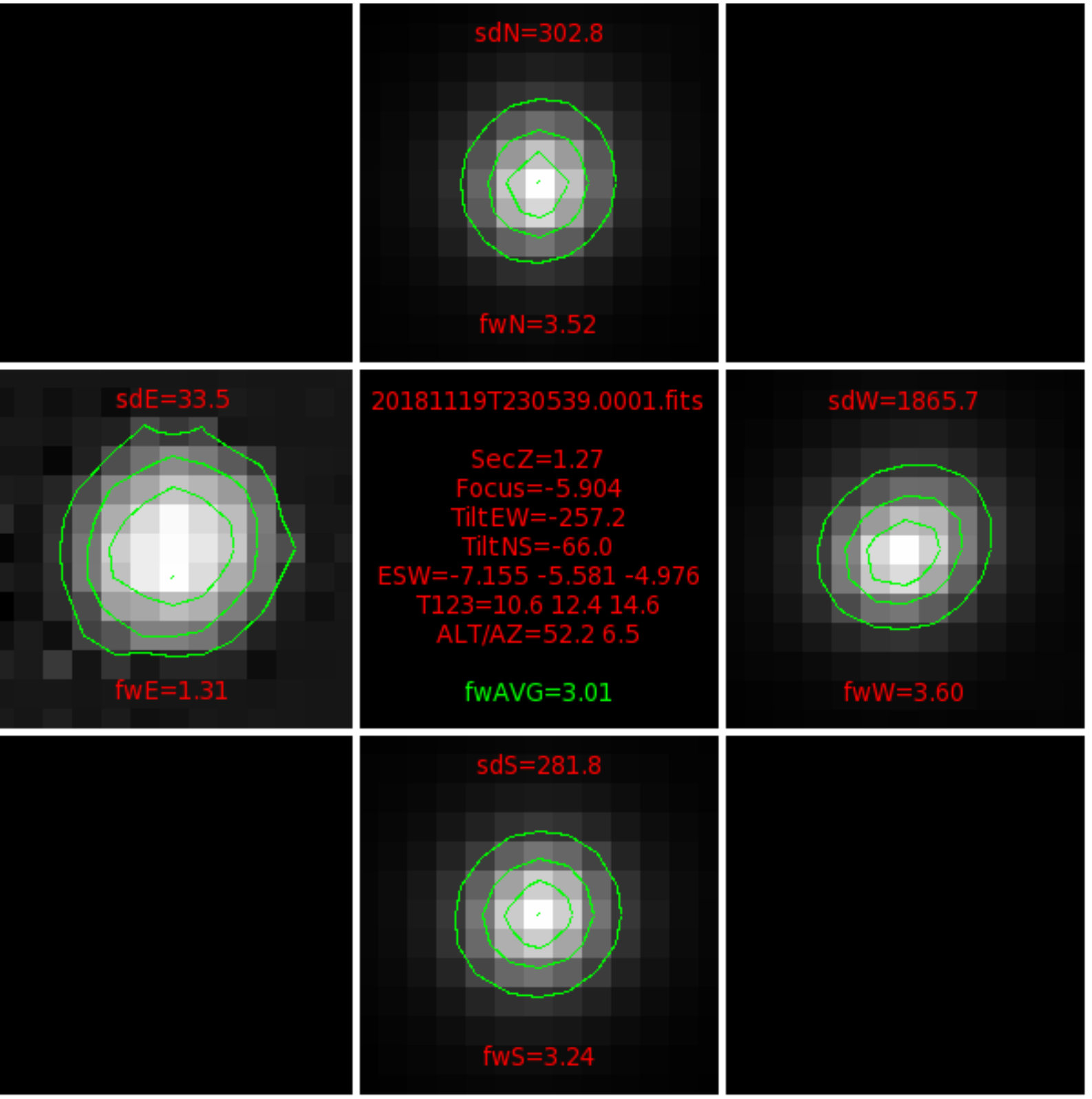
sdN=302.8
fwN=3.52
sdE=33.5
fwE=1.31
20181119T230539.0001.fits
SecZ=1.27
Focus=-5.904
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.155 -5.581 -4.976
T123=10.6 12.4 14.6
ALT/AZ=52.2 6.5
fwAVG=3.01
sdW=1865.7
fwW=3.60
sdS=281.8
fwS=3.24
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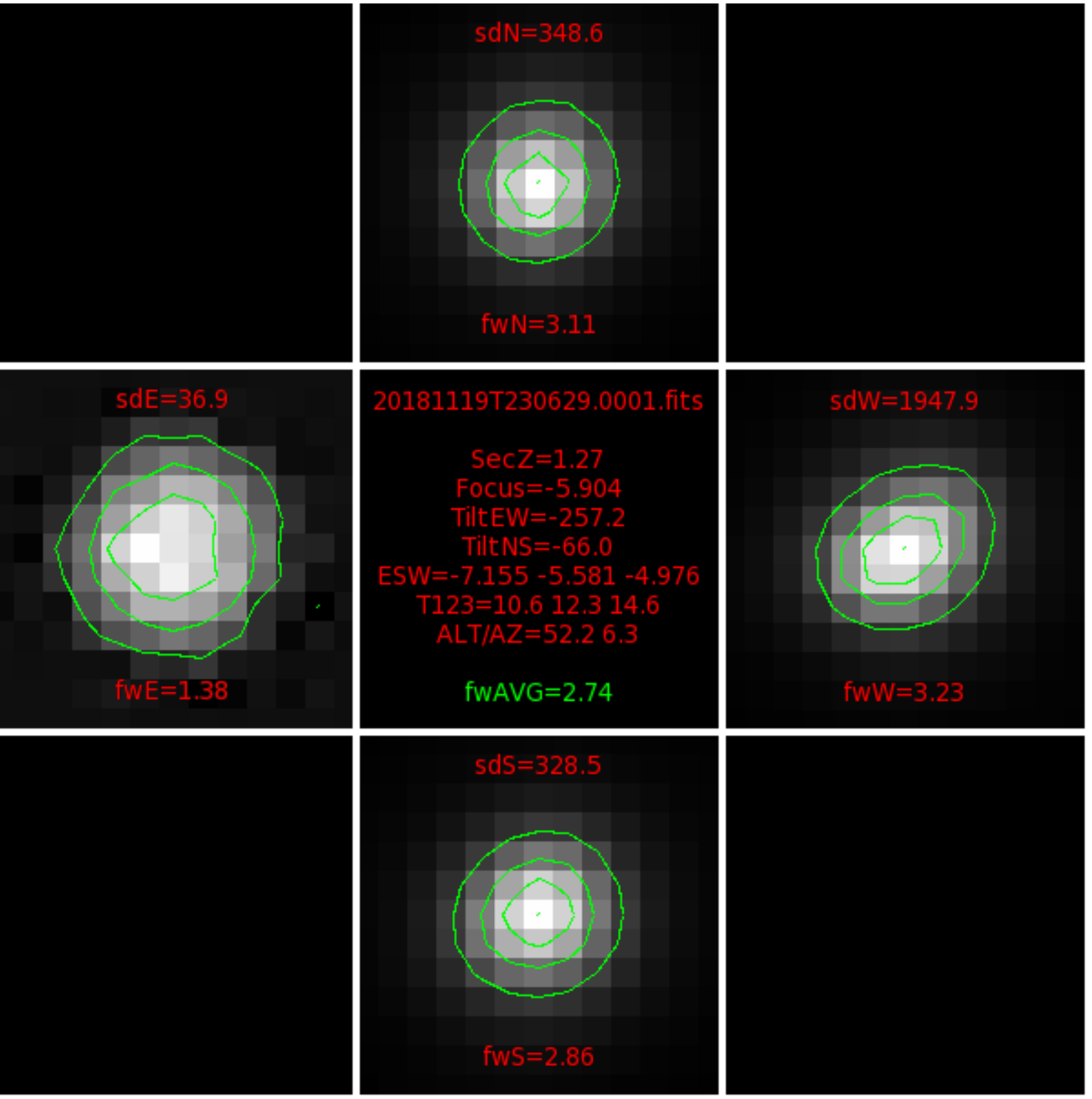
sdN=348.6
fwN=3.11
sdE=36.9
fwE=1.38
20181119T230629.0001.fits
SecZ=1.27
Focus=-5.904
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.155 -5.581 -4.976
T123=10.6 12.3 14.6
ALT/AZ=52.2 6.3
fwAVG=2.74
sdW=1947.9
fwW=3.23
sdS=328.5
fwS=2.86
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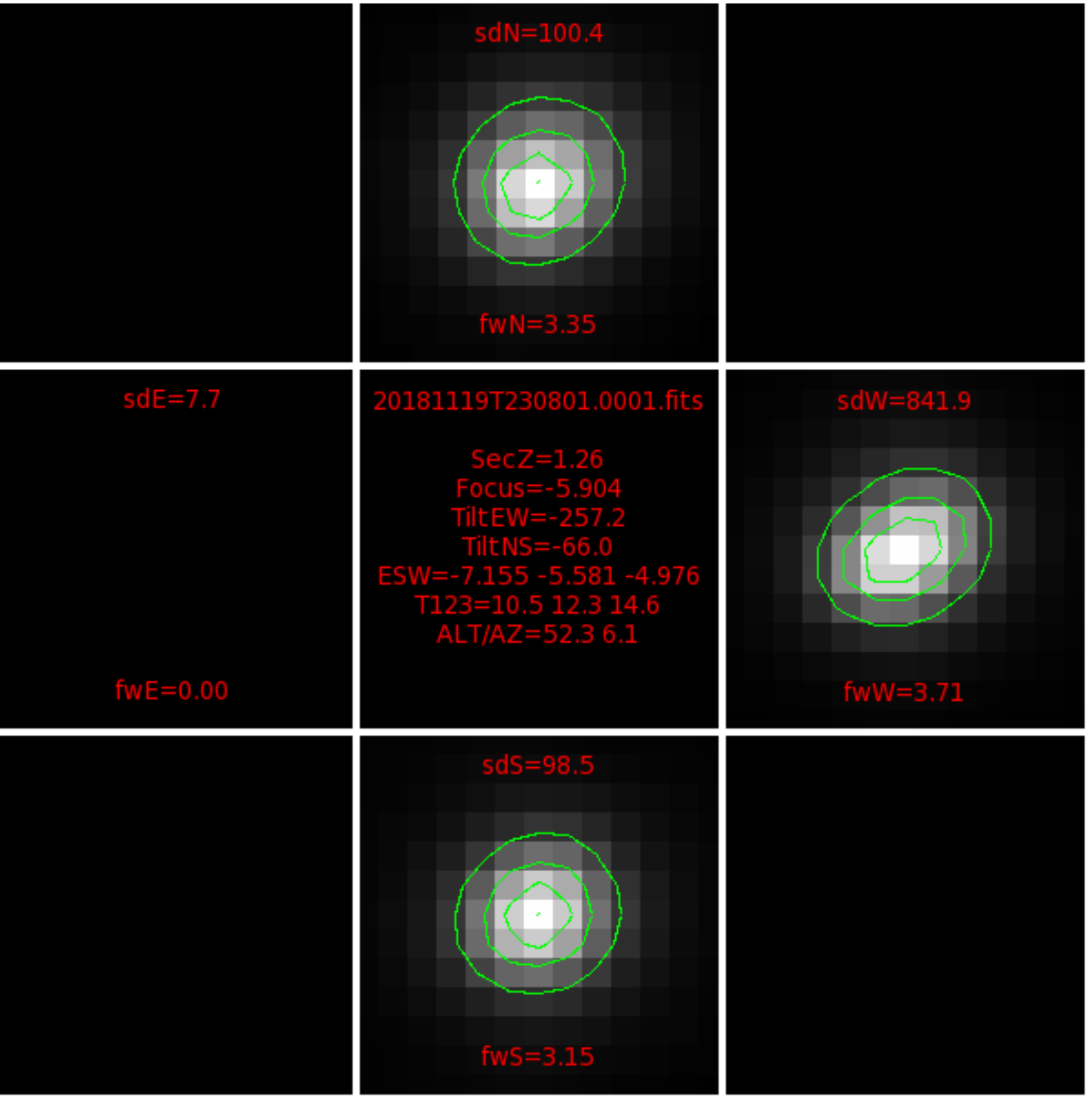
sdN=100.4
fwN=3.35
sdE=7.7
fwE=0.00
20181119T230801.0001.fits
SecZ=1.26
Focus=-5.904
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.155 -5.581 -4.976
T123=10.5 12.3 14.6
ALT/AZ=52.3 6.1
sdW=841.9
fwW=3.71
sdS=98.5
fwS=3.15
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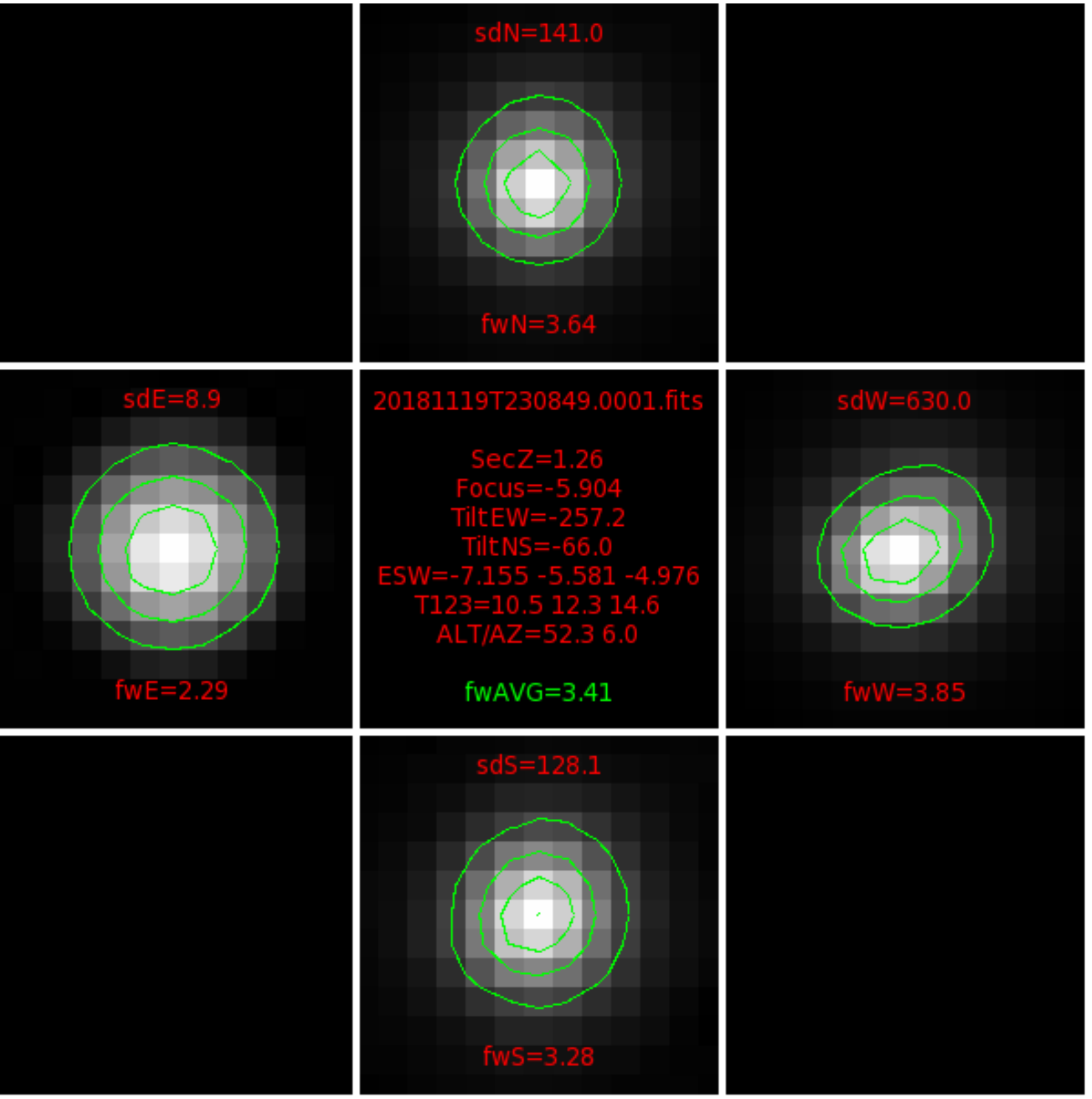
sdN=141.0
fwN=3.64
sdE=8.9
fwE=2.29
20181119T230849.0001.fits
SecZ=1.26
Focus=-5.904
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.155 -5.581 -4.976
T123=10.5 12.3 14.6
ALT/AZ=52.3 6.0
fwAVG=3.41
sdW=630.0
fwW=3.85
sdS=128.1
fwS=3.28
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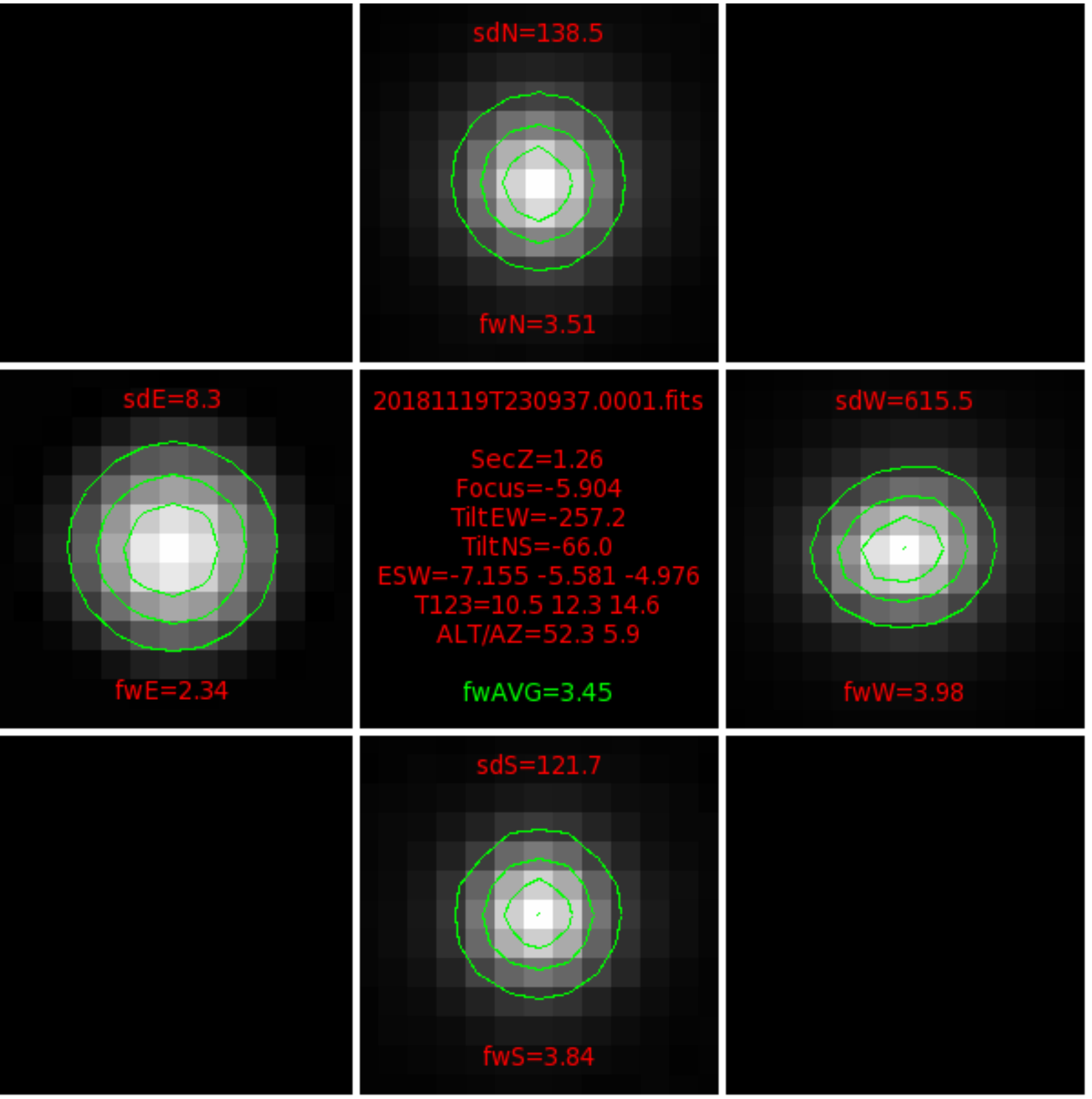
sdN=138.5
fwN=3.51
sdE=8.3
fwE=2.34
20181119T230937.0001.fits
SecZ=1.26
Focus=-5.904
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.155 -5.581 -4.976
T123=10.5 12.3 14.6
ALT/AZ=52.3 5.9
fwAVG=3.45
sdW=615.5
fwW=3.98
sdS=121.7
fwS=3.84
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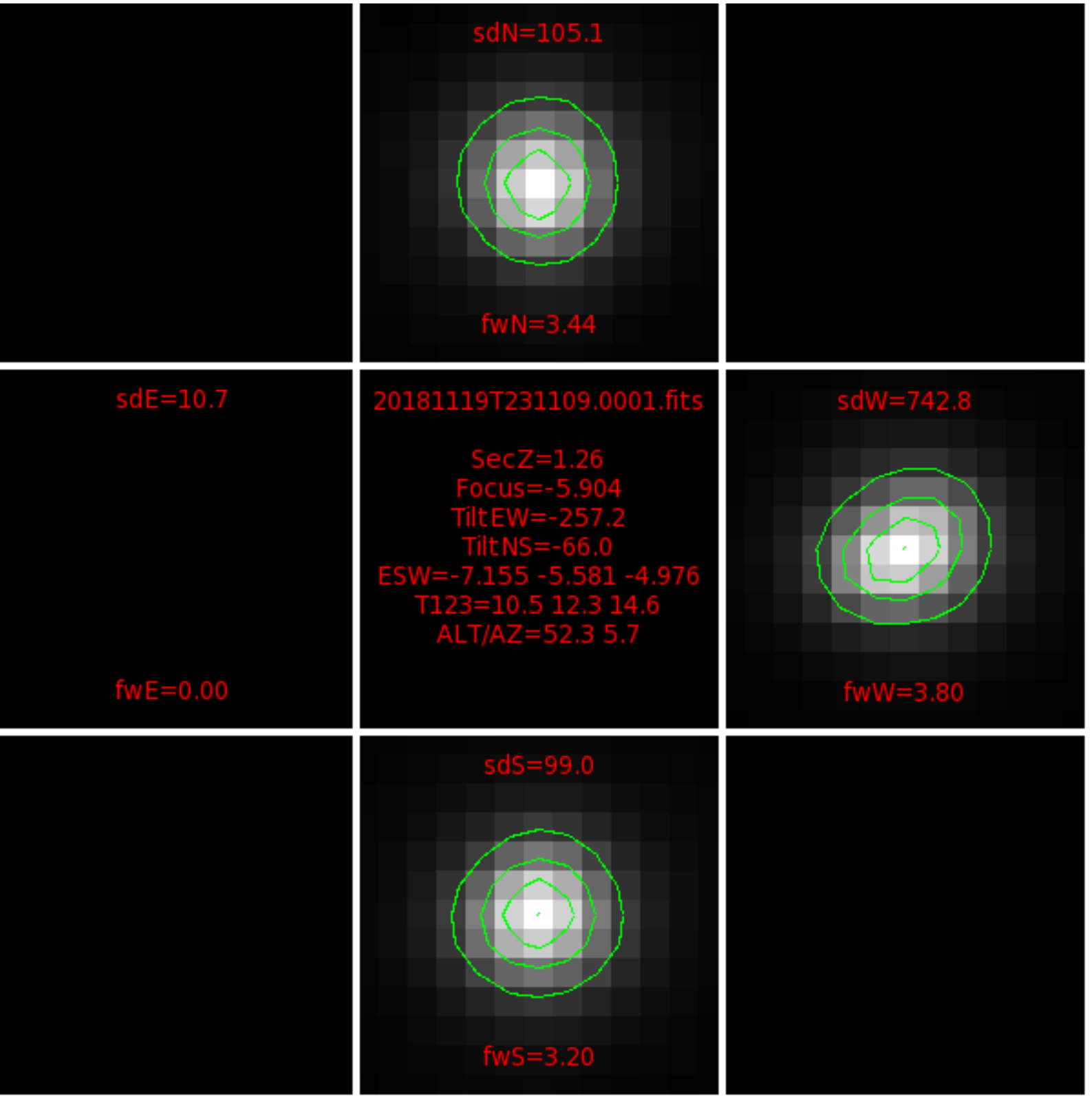
sdN=105.1
fwN=3.44
sdE=10.7
fwE=0.00
20181119T231109.0001.fits
SecZ=1.26
Focus=-5.904
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.155 -5.581 -4.976
T123=10.5 12.3 14.6
ALT/AZ=52.3 5.7
sdW=742.8
fwW=3.80
sdS=99.0
fwS=3.20
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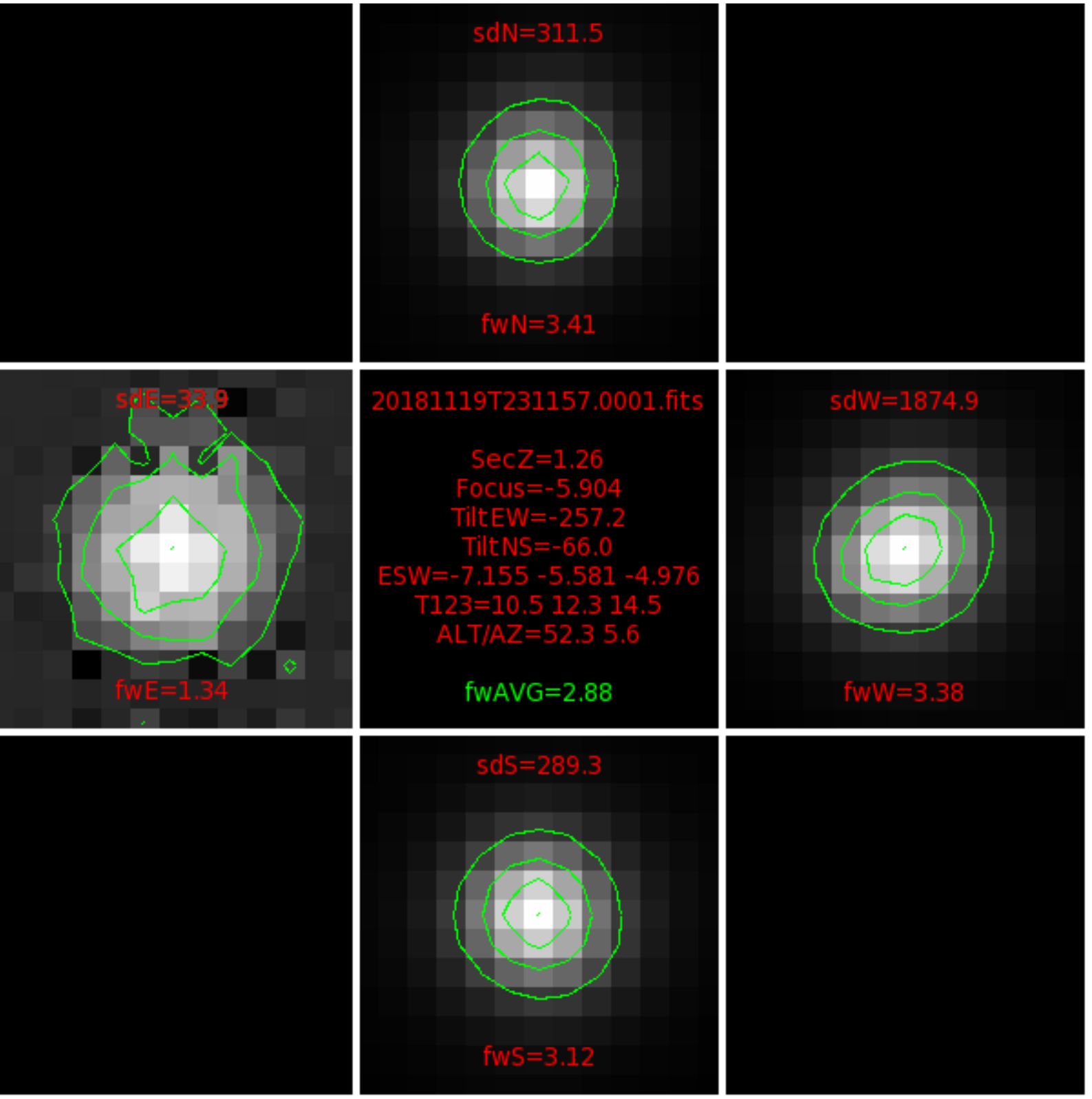
sdN=311.5
fwN=3.41
sdE=33.9
fwE=1.34
20181119T231157.0001.fits
SecZ=1.26
Focus=-5.904
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.155 -5.581 -4.976
T123=10.5 12.3 14.5
ALT/AZ=52.3 5.6
fwAVG=2.88
sdW=1874.9
fwW=3.38
sdS=289.3
fwS=3.12
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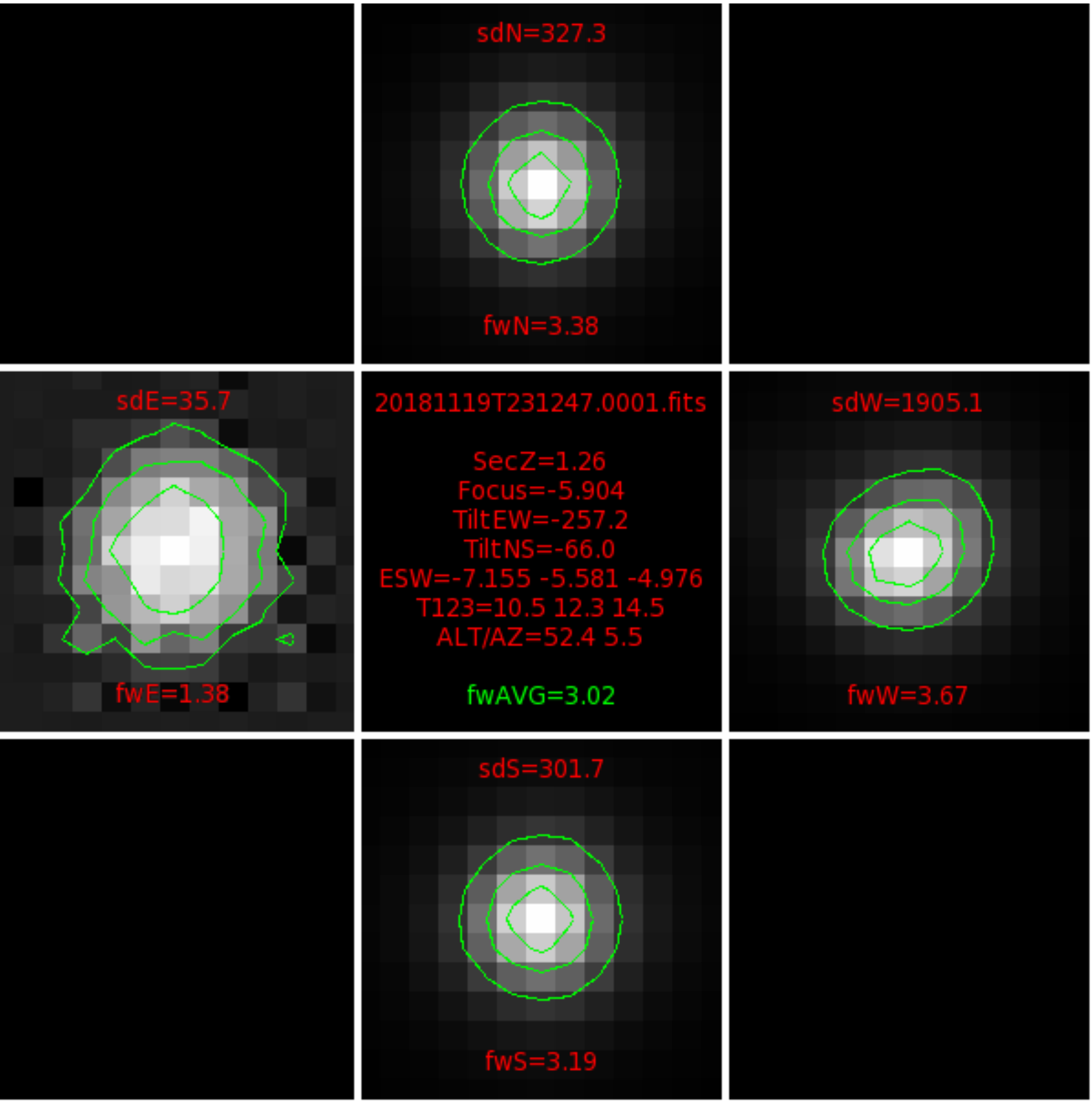
sdN=327.3
fwN=3.38
sdE=35.7
fwE=1.38
20181119T231247.0001.fits
SecZ=1.26
Focus=-5.904
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.155 -5.581 -4.976
T123=10.5 12.3 14.5
ALT/AZ=52.4 5.5
fwAVG=3.02
sdW=1905.1
fwW=3.67
sdS=301.7
fwS=3.19
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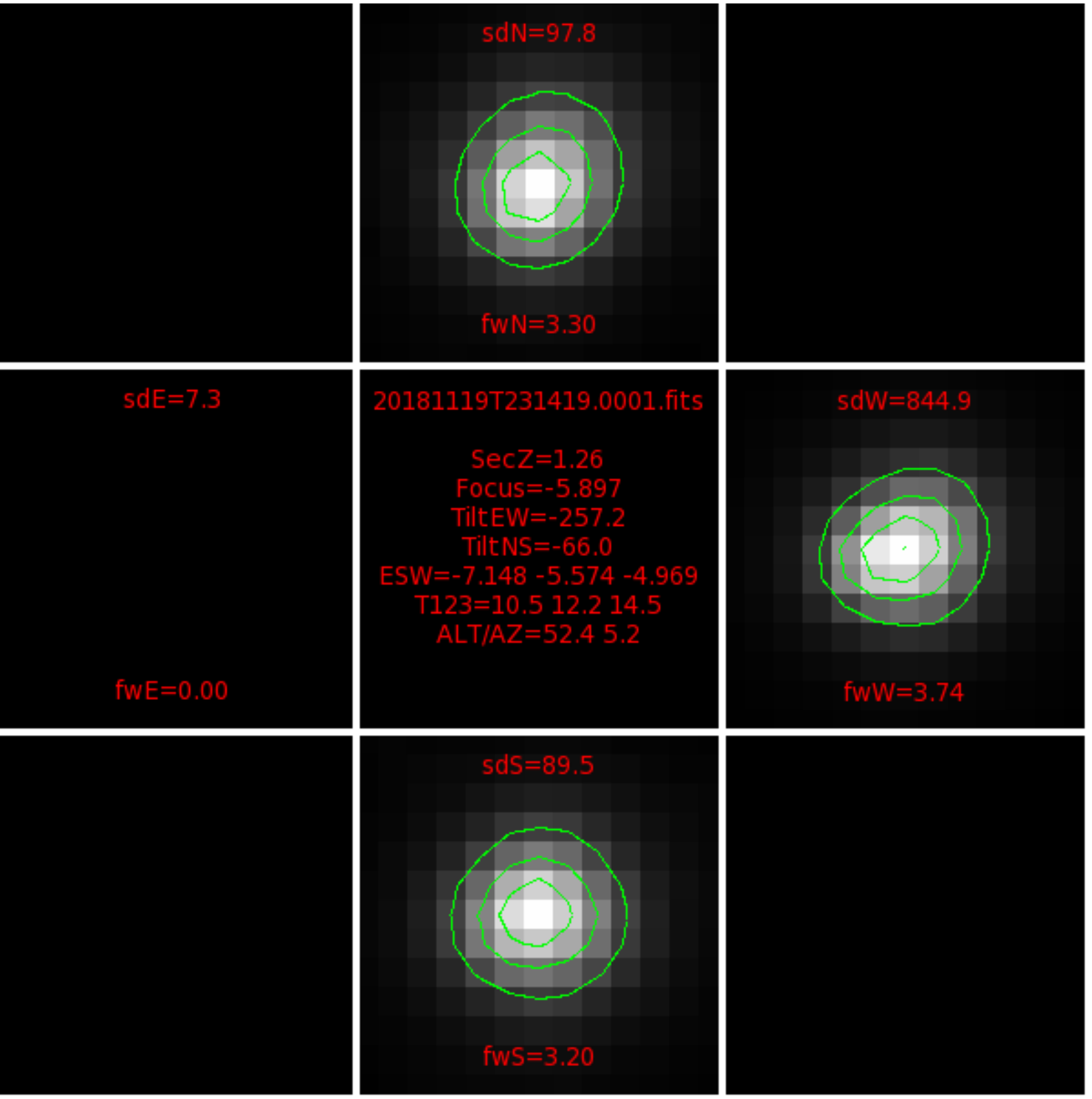
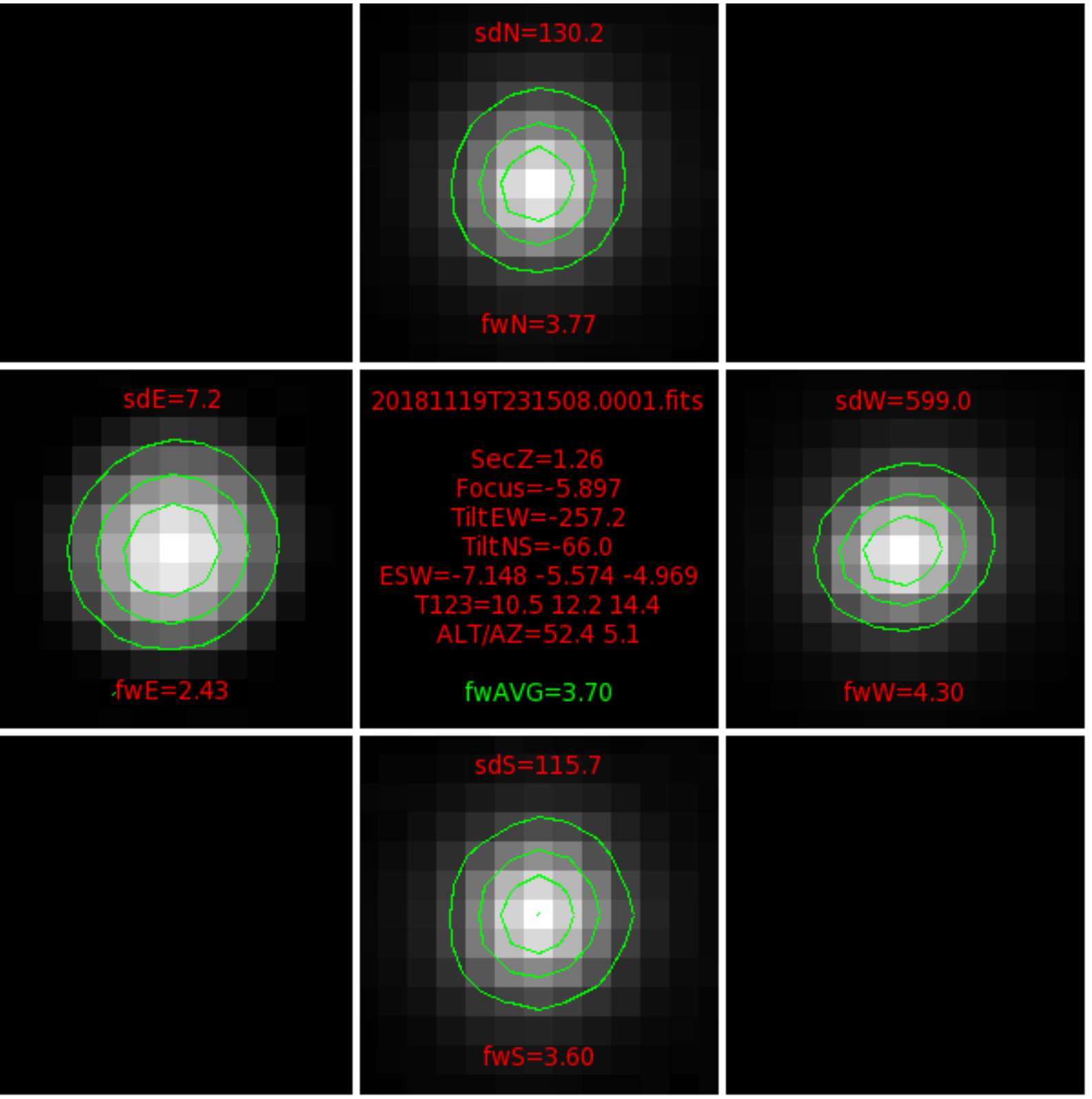
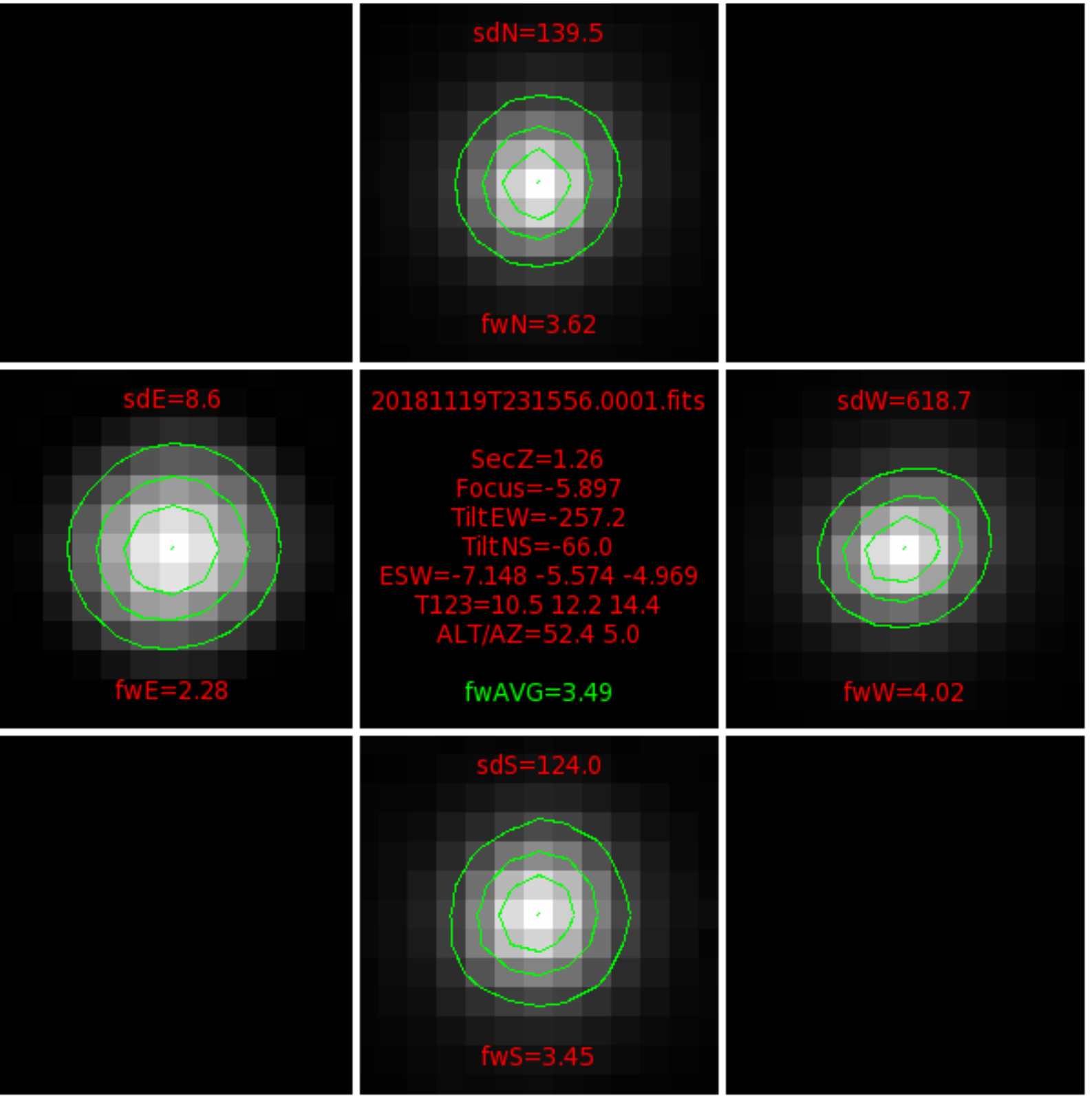
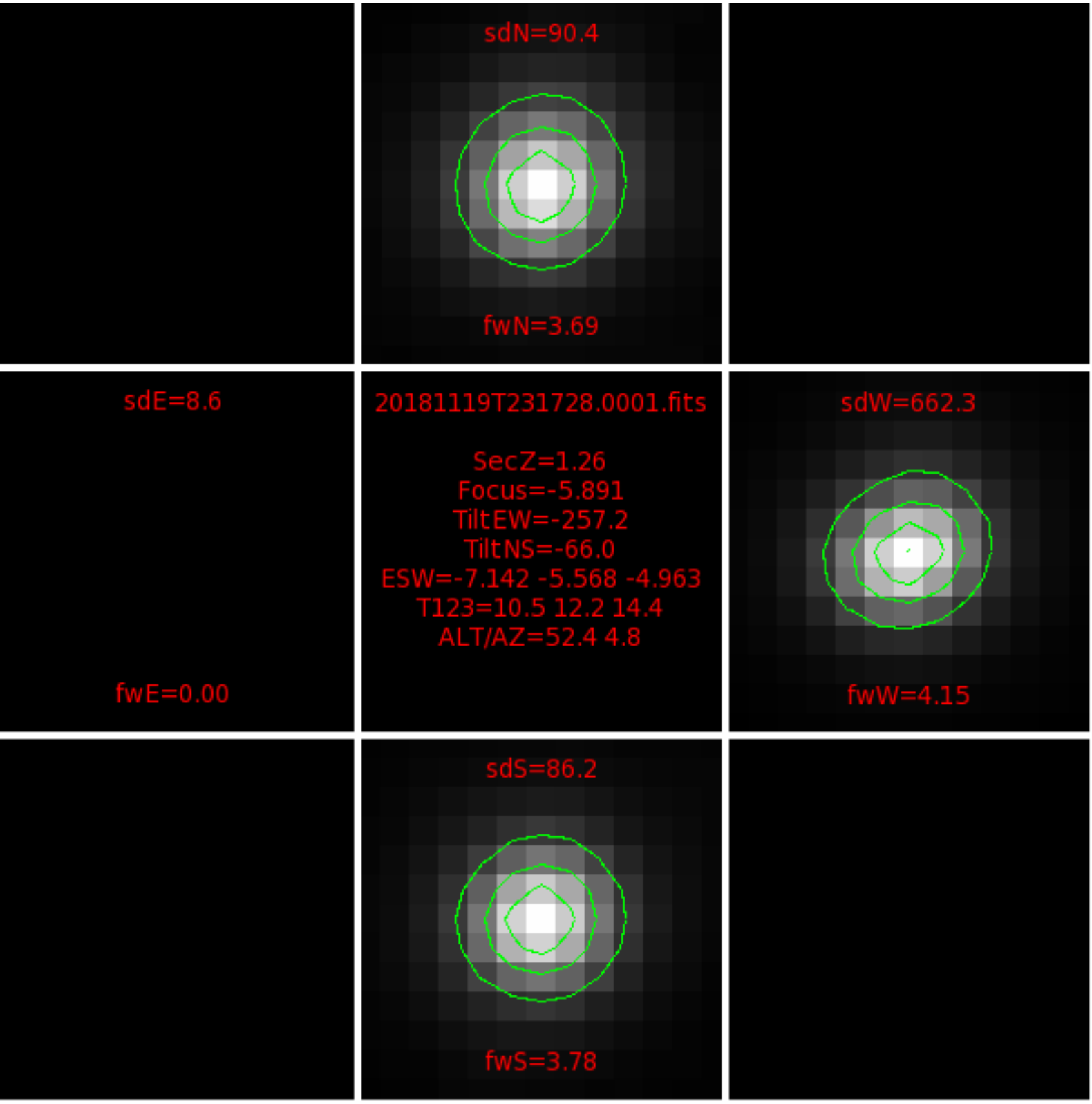

sdN=97.8
fwN=3.30
sdE=7.3
fwE=0.00
20181119T231419.0001.fits
SecZ=1.26
Focus=-5.897
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.148 -5.574 -4.969
T123=10.5 12.2 14.5
ALT/AZ=52.4 5.2
sdW=844.9
fwW=3.74
sdS=89.5
fwS=3.20
0 0 0 0 0 0 0 0 0


sdN=130.2
fwN=3.77
sdE=7.2
fwE=2.43
20181119T231508.0001.fits
SecZ=1.26
Focus=-5.897
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.148 -5.574 -4.969
T123=10.5 12.2 14.4
ALT/AZ=52.4 5.1
fwAVG=3.70
sdW=599.0
fwW=4.30
sdS=115.7
fwS=3.60
0 0 0 0 0 0 0 0 0


sdN=139.5
fwN=3.62
sdE=8.6
fwE=2.28
20181119T231556.0001.fits
SecZ=1.26
Focus=-5.897
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.148 -5.574 -4.969
T123=10.5 12.2 14.4
ALT/AZ=52.4 5.0
fwAVG=3.49
sdW=618.7
fwW=4.02
sdS=124.0
fwS=3.45
0 0 0 0 0 0 0 0 0


sdN=90.4
fwN=3.69
sdE=8.6
fwE=0.00
20181119T231728.0001.fits
SecZ=1.26
Focus=-5.891
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.142 -5.568 -4.963
T123=10.5 12.2 14.4
ALT/AZ=52.4 4.8
sdW=662.3
fwW=4.15
sdS=86.2
fwS=3.78
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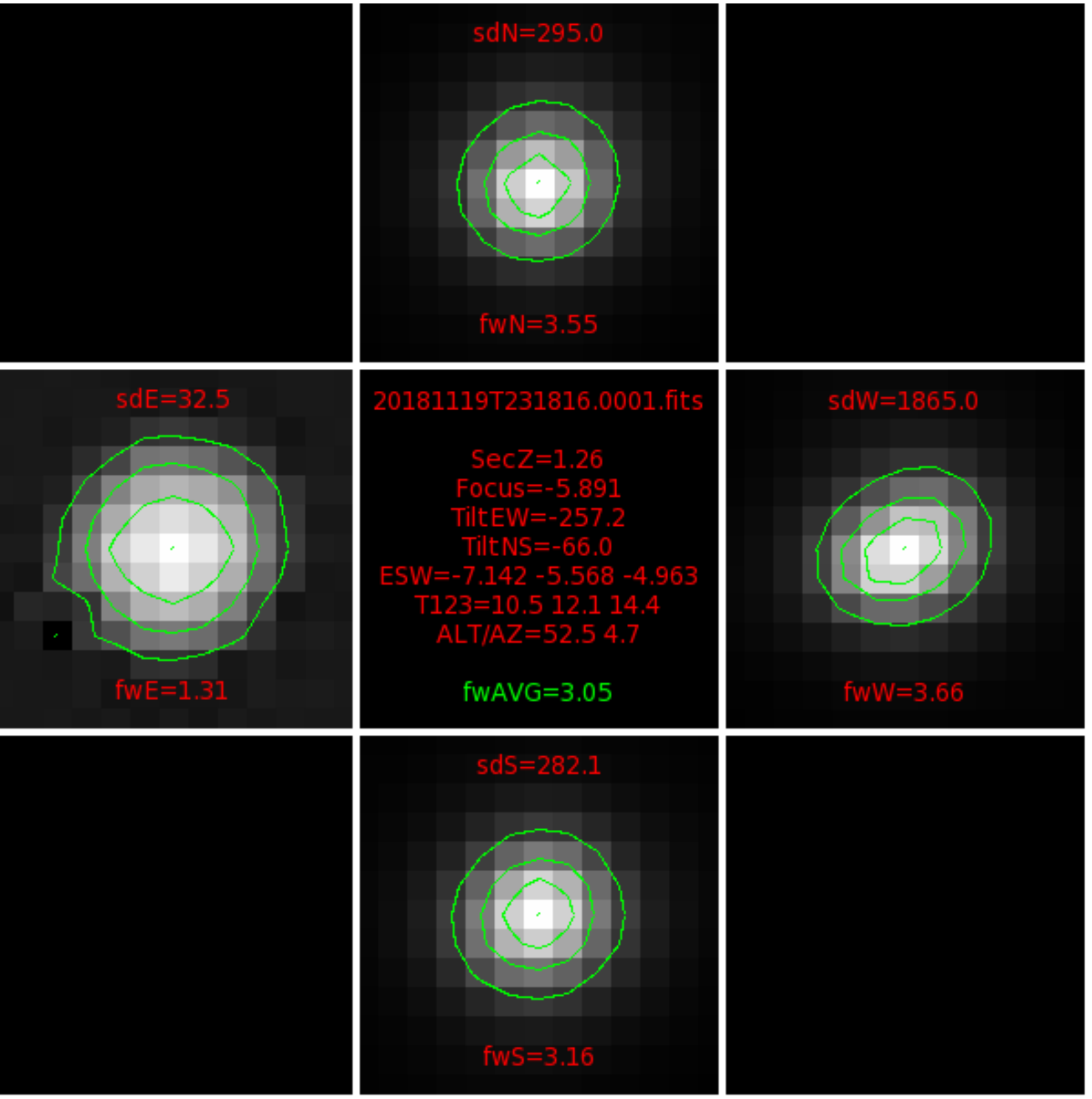
sdN=295.0
fwN=3.55
sdE=32.5
fwE=1.31
20181119T231816.0001.fits
SecZ=1.26
Focus=-5.891
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.142 -5.568 -4.963
T123=10.5 12.1 14.4
ALT/AZ=52.5 4.7
fwAVG=3.05
sdW=1865.0
fwW=3.66
sdS=282.1
fwS=3.16
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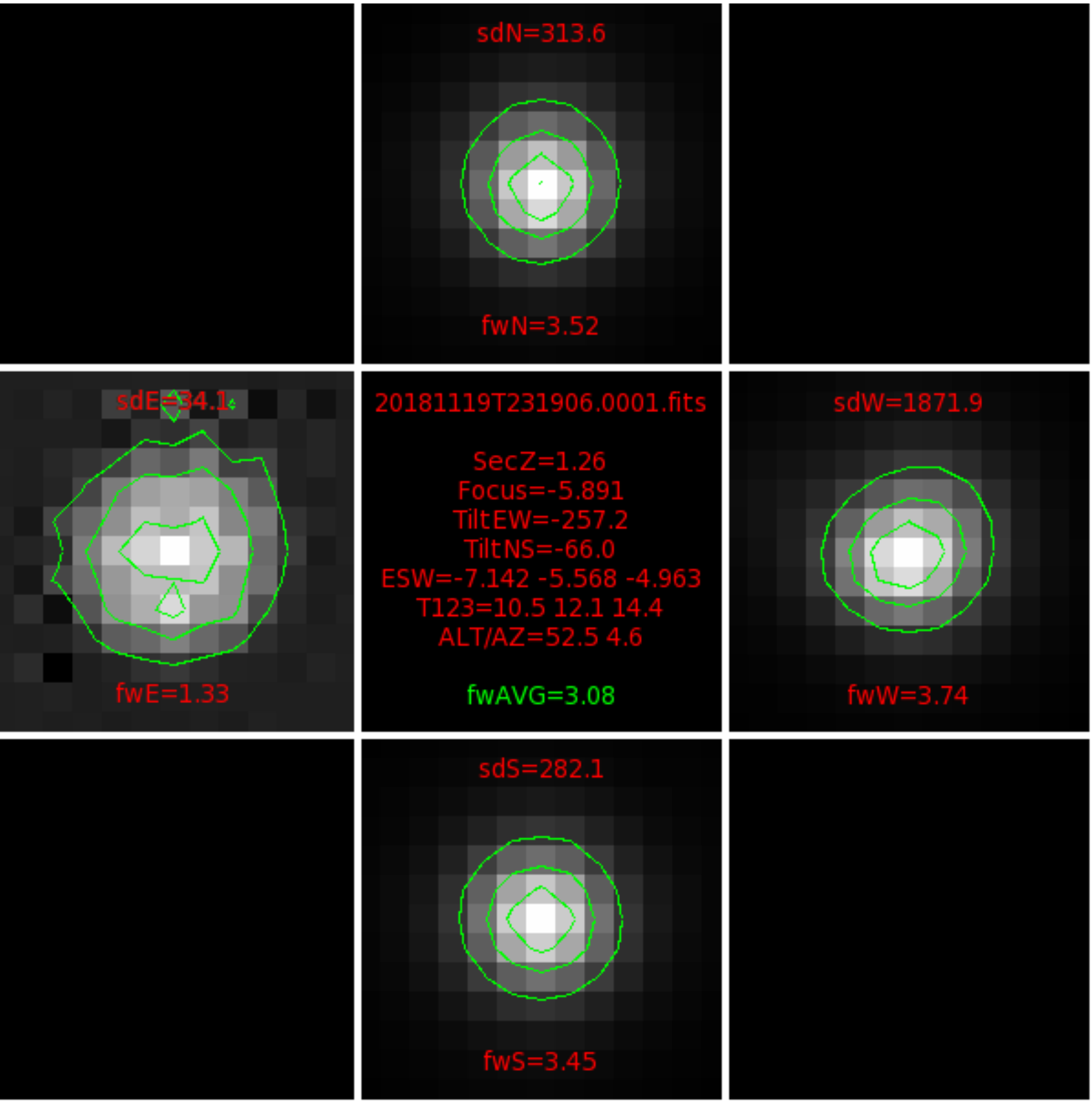
sdN=313.6
fwN=3.52
sdE=34.1
fwE=1.33
20181119T231906.0001.fits
SecZ=1.26
Focus=-5.891
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.142 -5.568 -4.963
T123=10.5 12.1 14.4
ALT/AZ=52.5 4.6
fwAVG=3.08
sdW=1871.9
fwW=3.74
sdS=282.1
fwS=3.45
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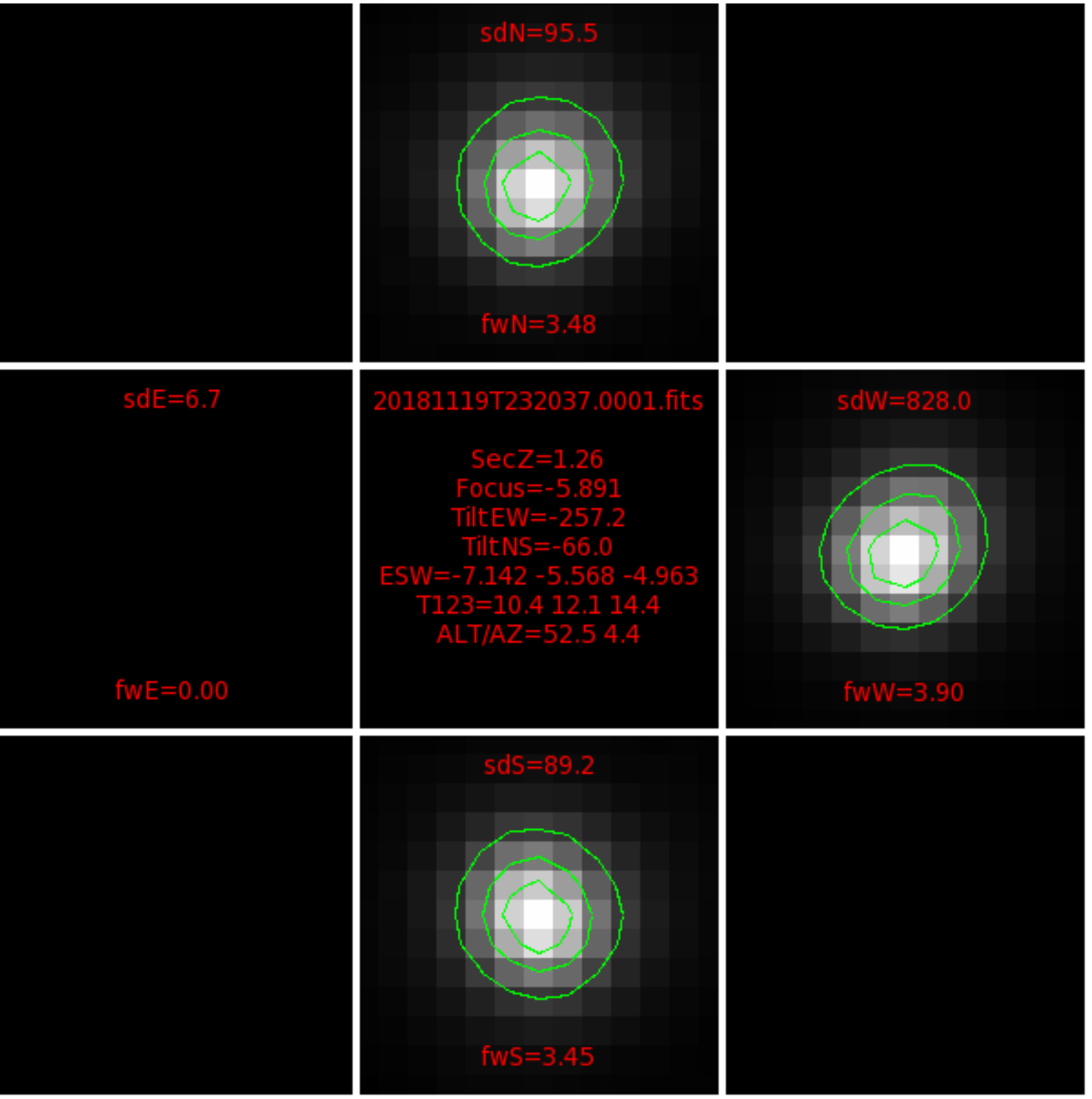
sdN=95.5
fwN=3.48
sdE=6.7
fwE=0.00
20181119T232037.0001.fits
SecZ=1.26
Focus=-5.891
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.142 -5.568 -4.963
T123=10.4 12.1 14.4
ALT/AZ=52.5 4.4
sdW=828.0
fwW=3.90
sdS=89.2
fwS=3.45
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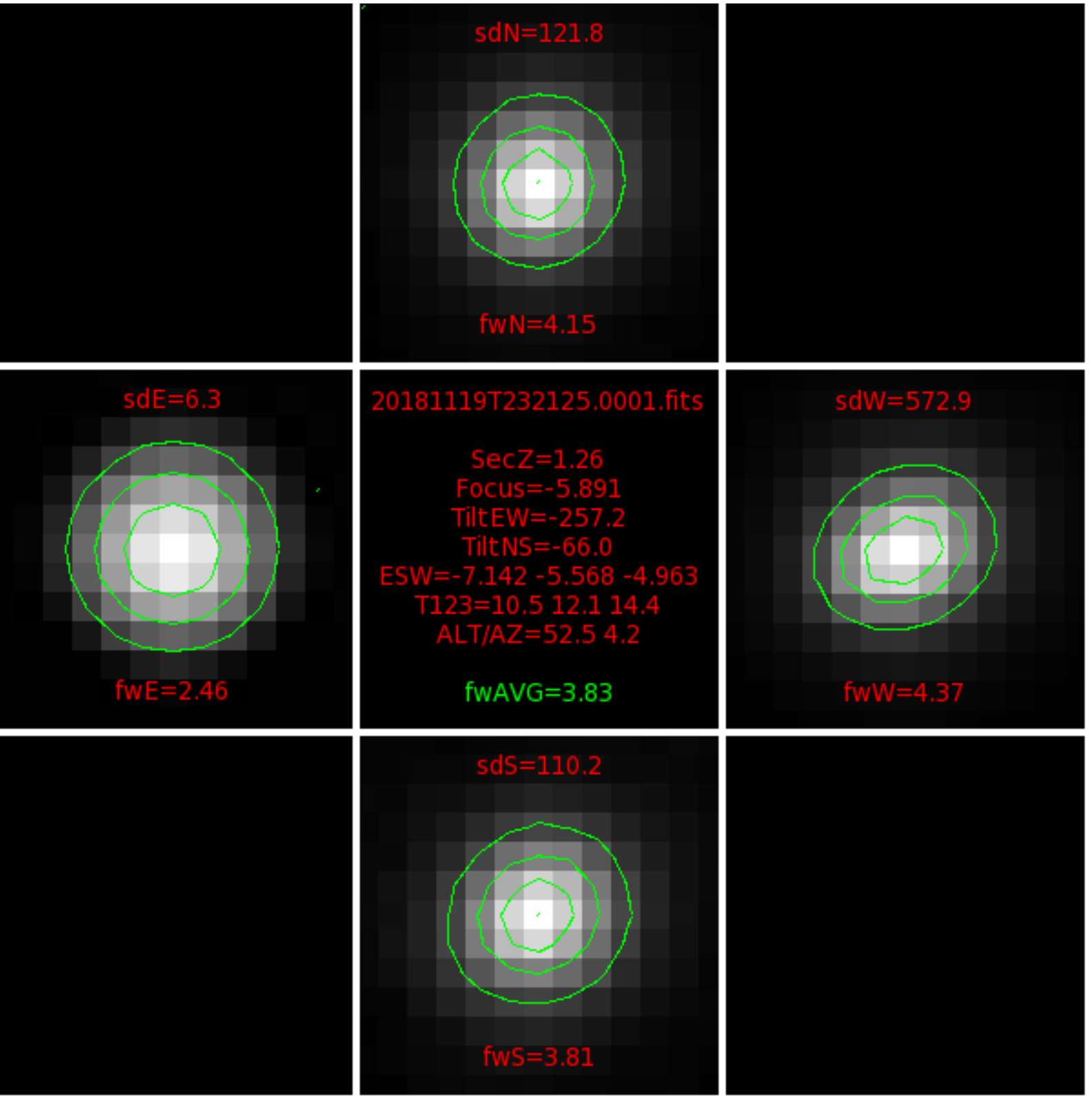
sdN=121.8
fwN=4.15
sdE=6.3
fwE=2.46
20181119T232125.0001.fits
SecZ=1.26
Focus=-5.891
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.142 -5.568 -4.963
T123=10.5 12.1 14.4
ALT/AZ=52.5 4.2
fwAVG=3.83
sdW=572.9
fwW=4.37
sdS=110.2
fwS=3.81
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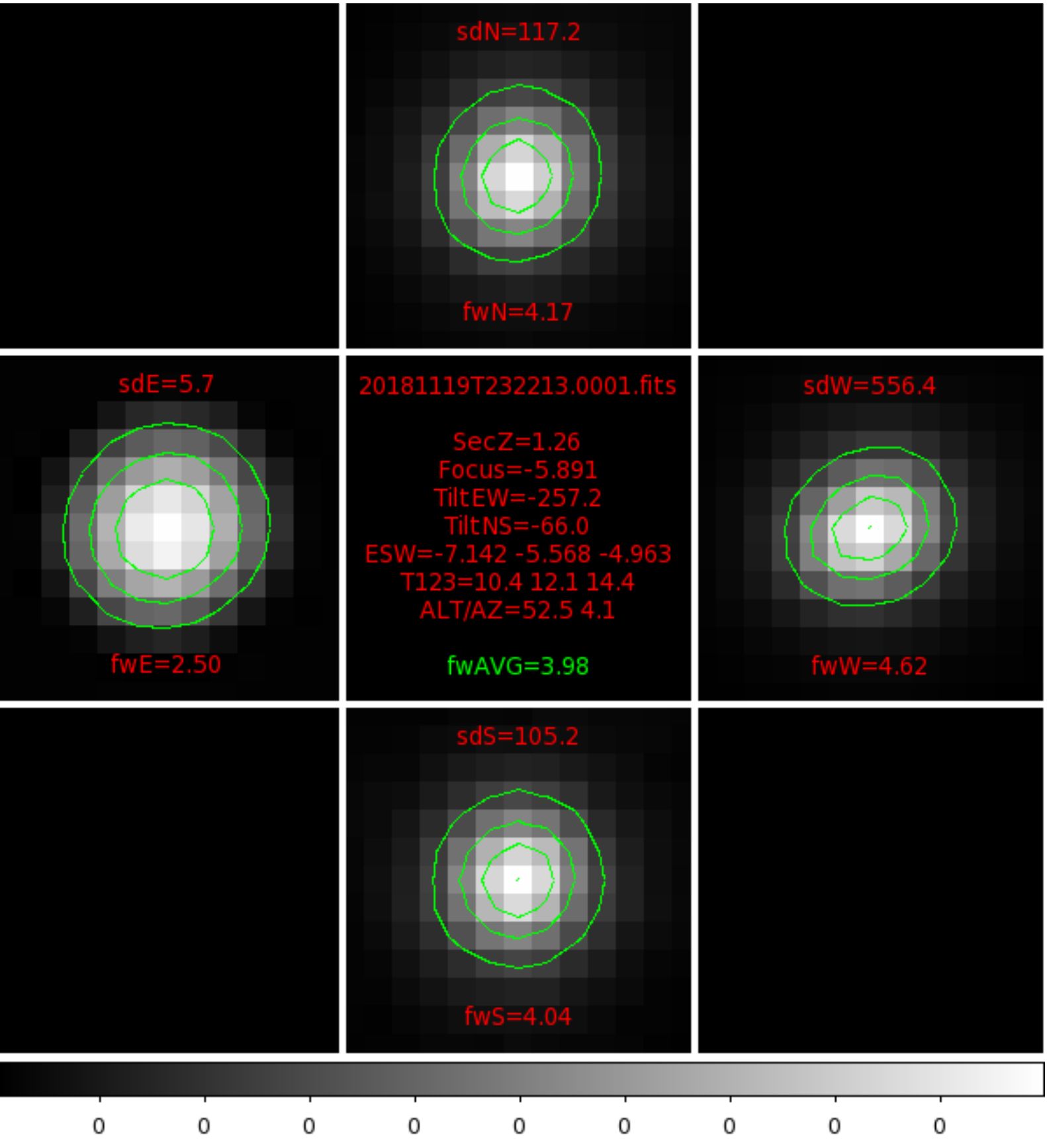
sdN=117.2
fwN=4.17
sdE=5.7
fwE=2.50
20181119T232213.0001.fits
SecZ=1.26
Focus=-5.891
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.142 -5.568 -4.963
T123=10.4 12.1 14.4
ALT/AZ=52.5 4.1
fwAVG=3.98
sdW=556.4
fwW=4.62
sdS=105.2
fwS=4.04
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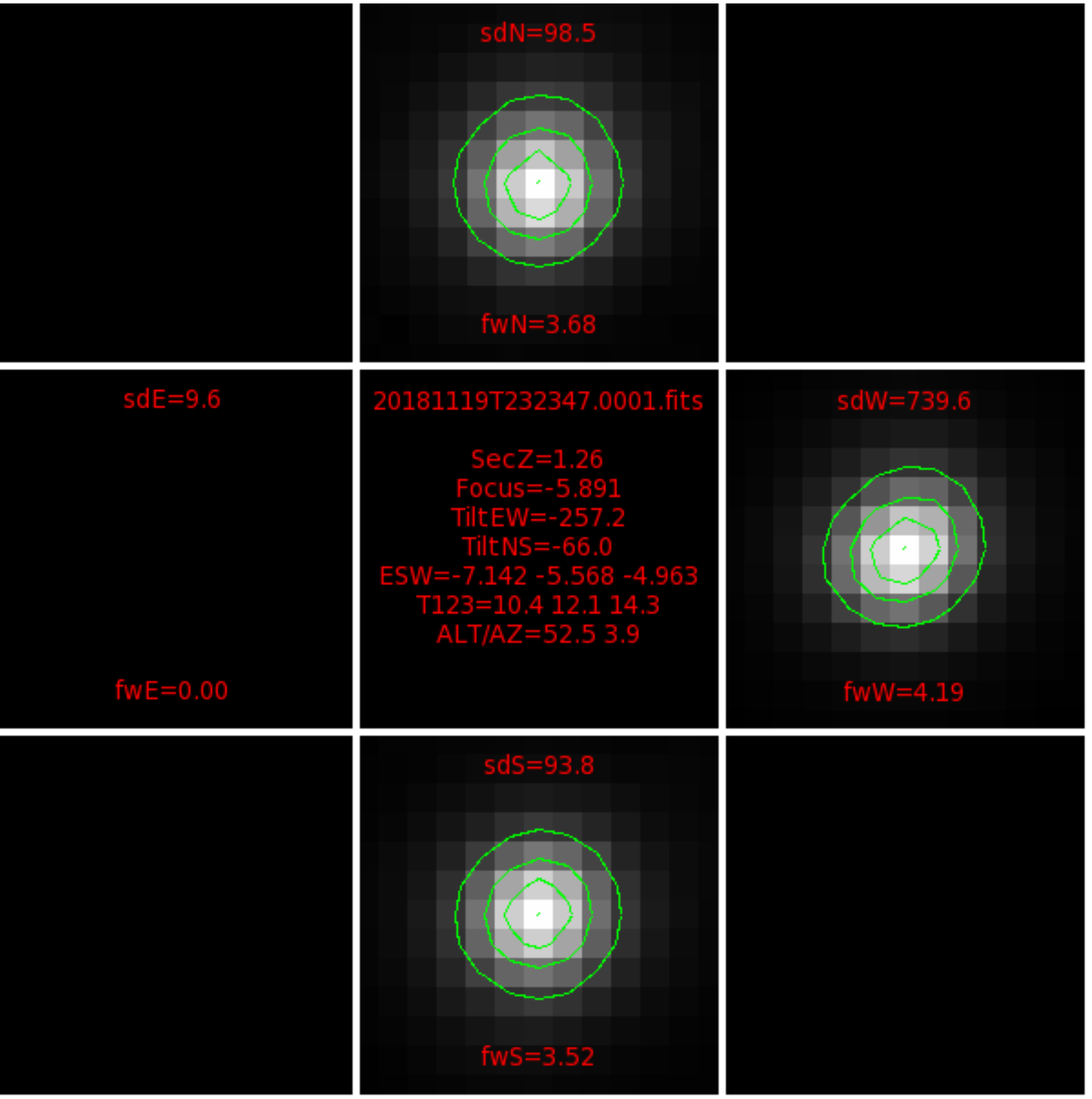
sdN=98.5
fwN=3.68
sdE=9.6
fwE=0.00
20181119T232347.0001.fits
SecZ=1.26
Focus=-5.891
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.142 -5.568 -4.963
T123=10.4 12.1 14.3
ALT/AZ=52.5 3.9
sdW=739.6
fwW=4.19
sdS=93.8
fwS=3.52
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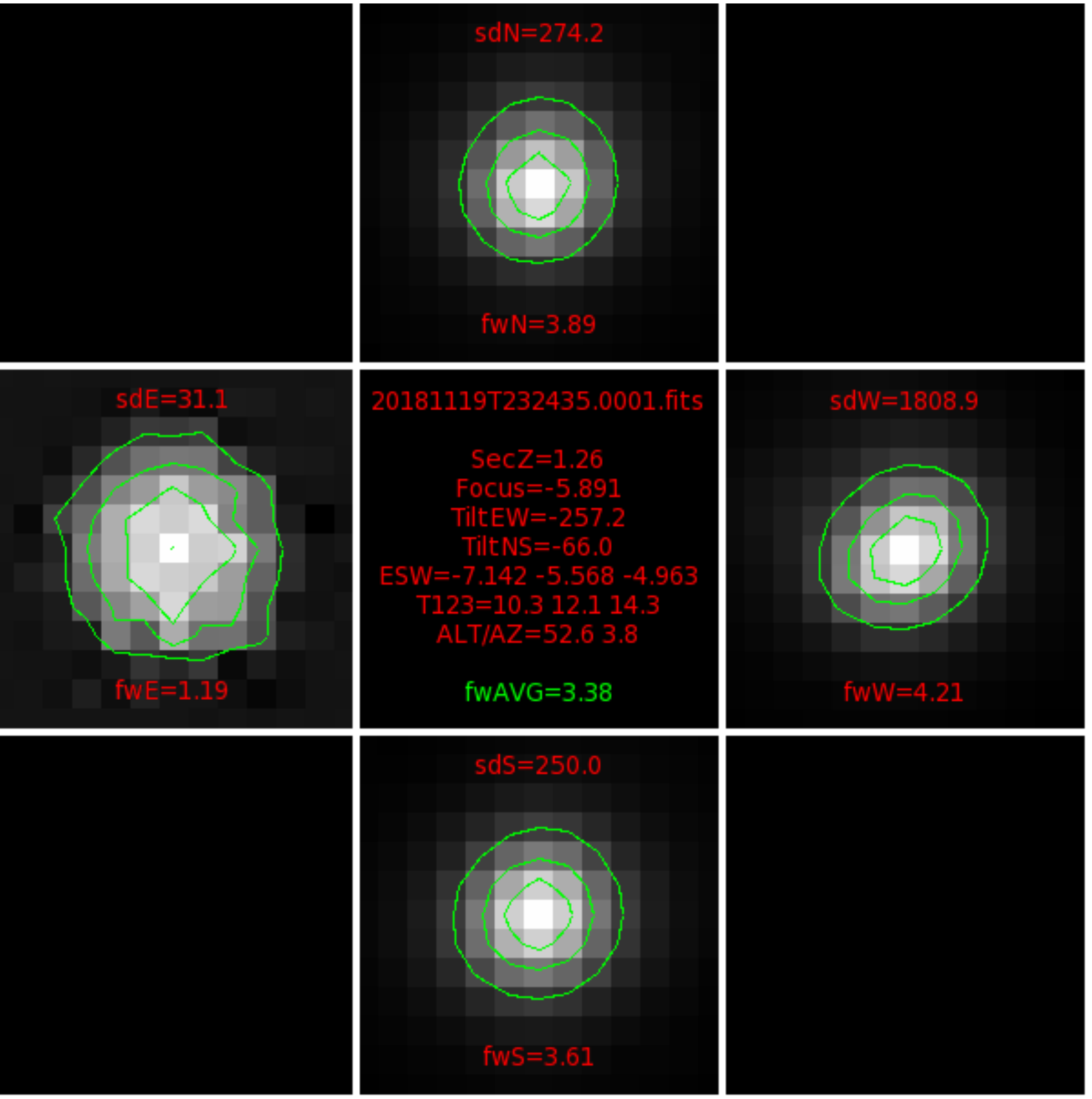
sdN=274.2
fwN=3.89
sdE=31.1
fwE=1.19
20181119T232435.0001.fits
SecZ=1.26
Focus=-5.891
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.142 -5.568 -4.963
T123=10.3 12.1 14.3
ALT/AZ=52.6 3.8
fwAVG=3.38
sdW=1808.9
fwW=4.21
sdS=250.0
fwS=3.61
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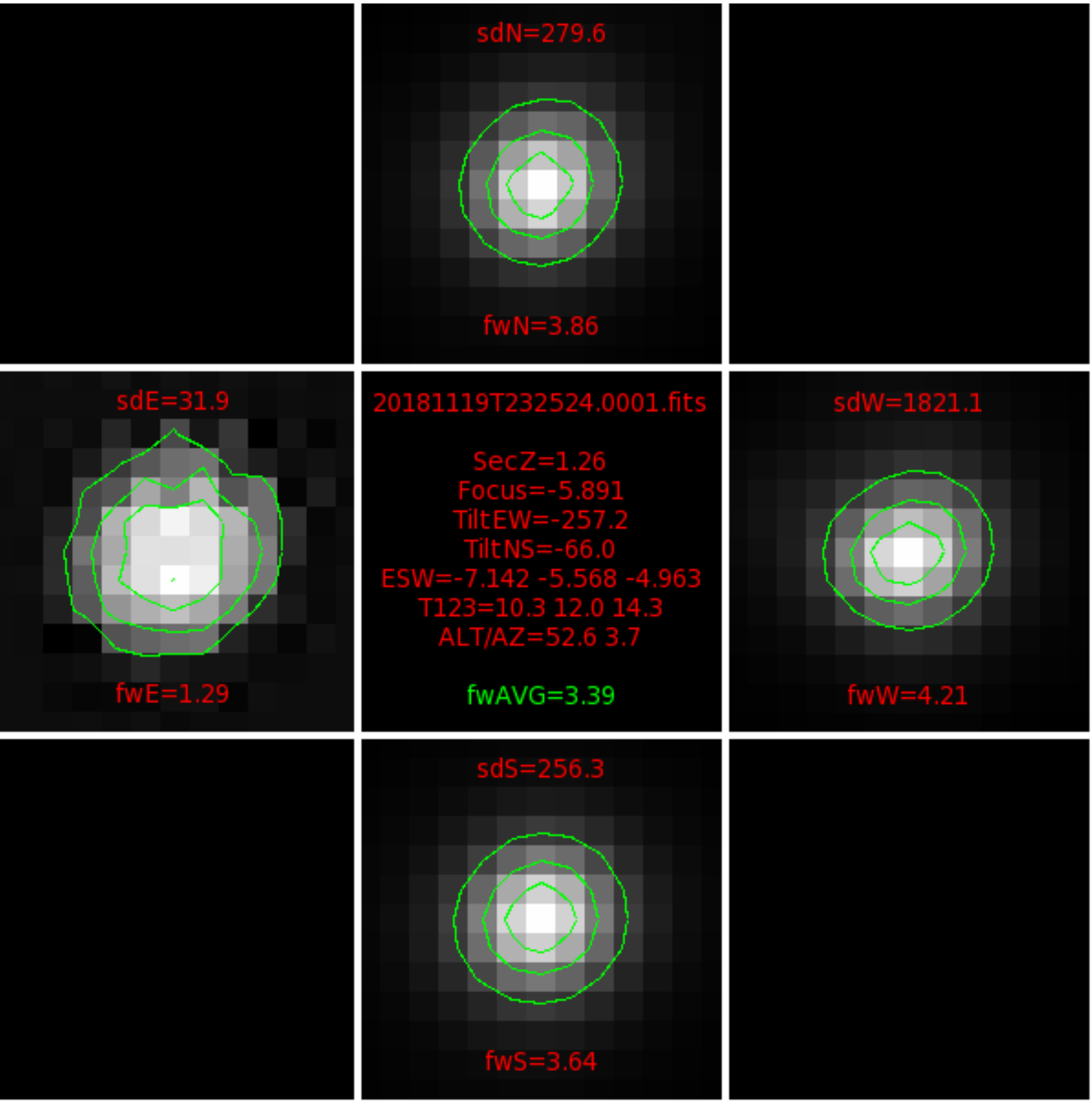
sdN=279.6
fwN=3.86
sdE=31.9
fwE=1.29
20181119T232524.0001.fits
SecZ=1.26
Focus=-5.891
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.142 -5.568 -4.963
T123=10.3 12.0 14.3
ALT/AZ=52.6 3.7
fwAVG=3.39
sdW=1821.1
fwW=4.21
sdS=256.3
fwS=3.64
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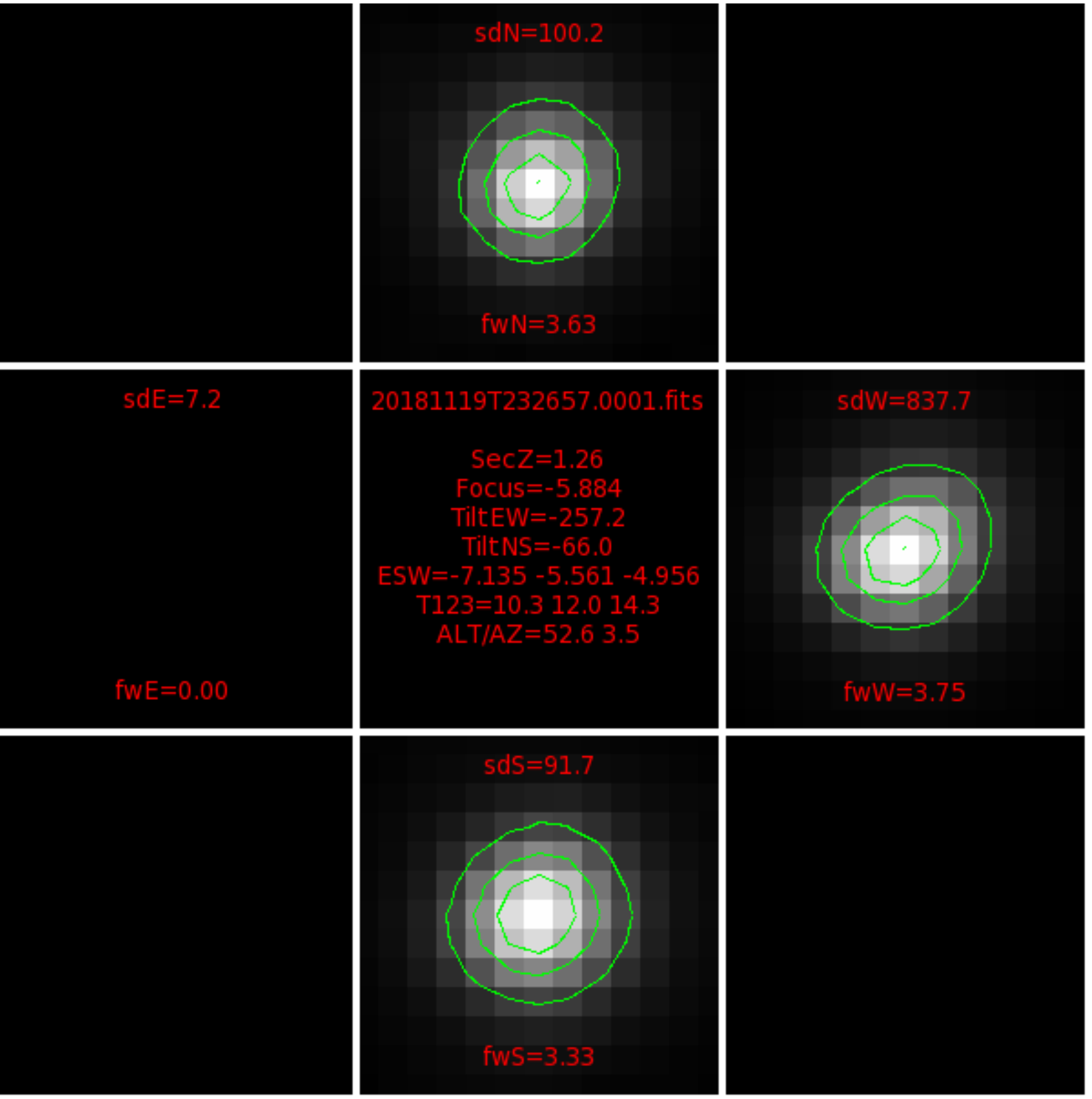
sdN=100.2
fwN=3.63
sdE=7.2
fwE=0.00
20181119T232657.0001.fits
SecZ=1.26
Focus=-5.884
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.135 -5.561 -4.956
T123=10.3 12.0 14.3
ALT/AZ=52.6 3.5
sdW=837.7
fwW=3.75
sdS=91.7
fwS=3.33
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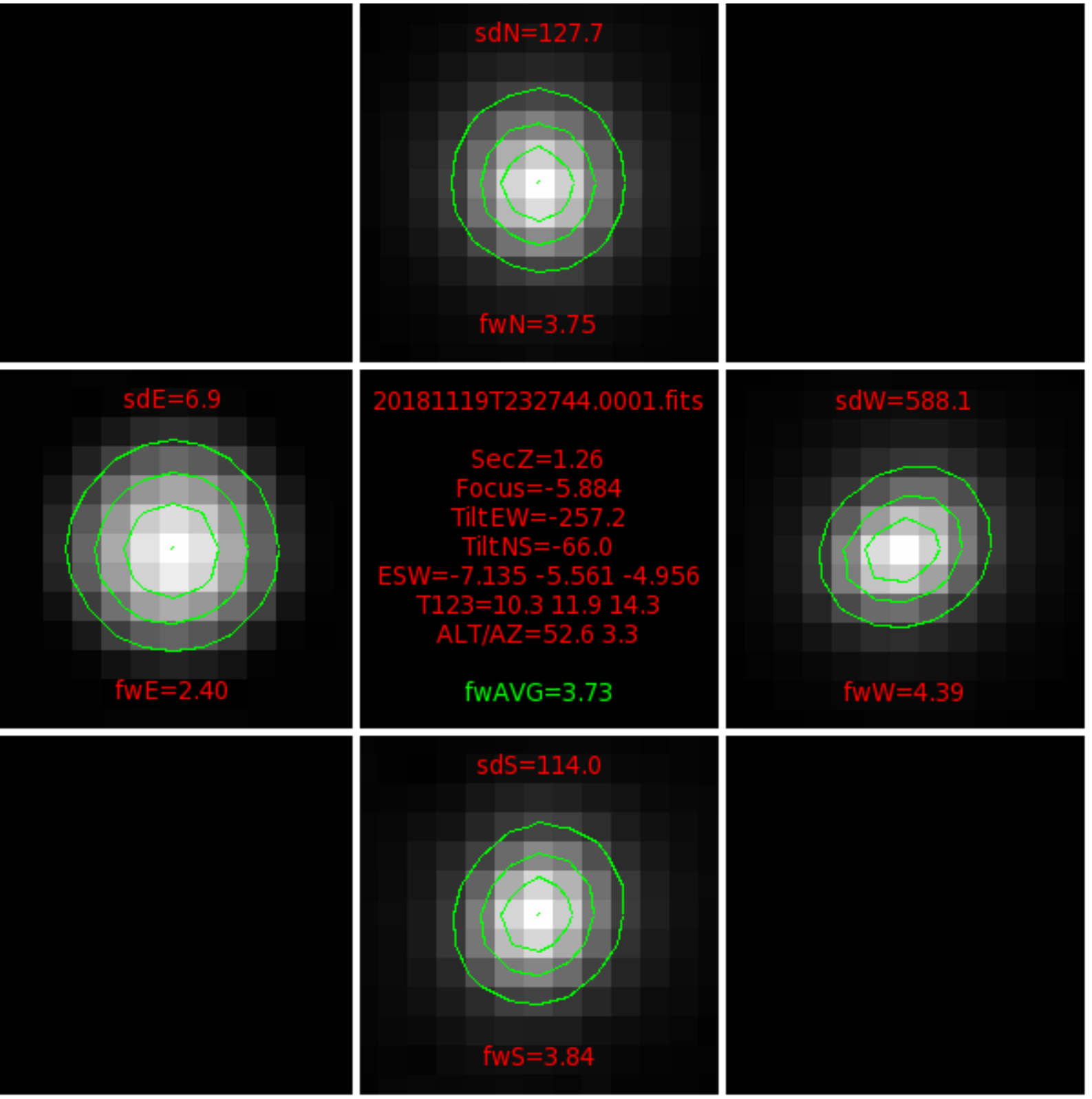
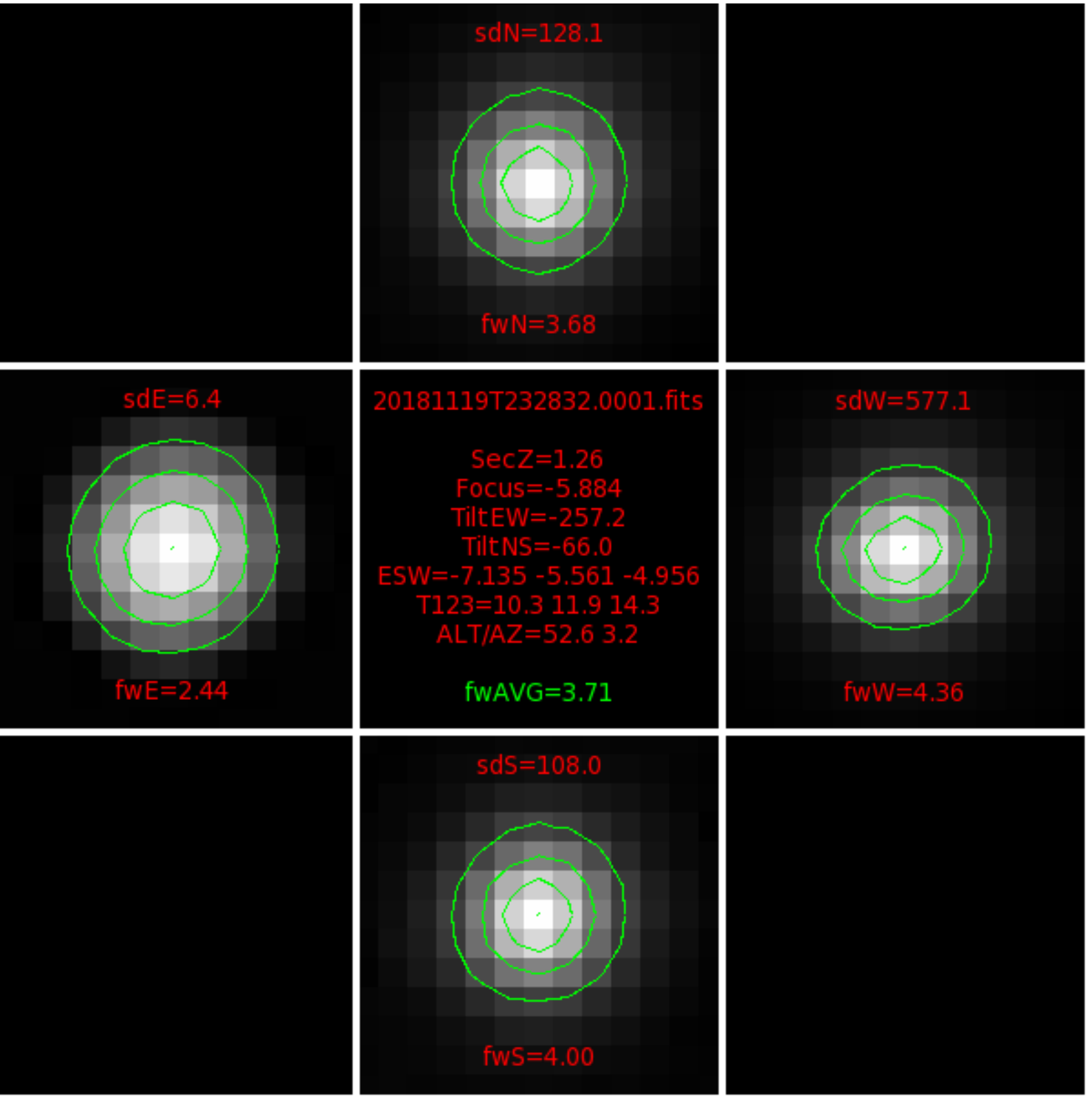

sdN=127.7
fwN=3.75
sdE=6.9
fwE=2.40
20181119T232744.0001.fits
SecZ=1.26
Focus=-5.884
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.135 -5.561 -4.956
T123=10.3 11.9 14.3
ALT/AZ=52.6 3.3
fwAVG=3.73
sdW=588.1
fwW=4.39
sdS=114.0
fwS=3.84
0 0 0 0 0 0 0 0 0


sdN=128.1
fwN=3.68
sdE=6.4
fwE=2.44
20181119T232832.0001.fits
SecZ=1.26
Focus=-5.884
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.135 -5.561 -4.956
T123=10.3 11.9 14.3
ALT/AZ=52.6 3.2
fwAVG=3.71
sdW=577.1
fwW=4.36
sdS=108.0
fwS=4.00
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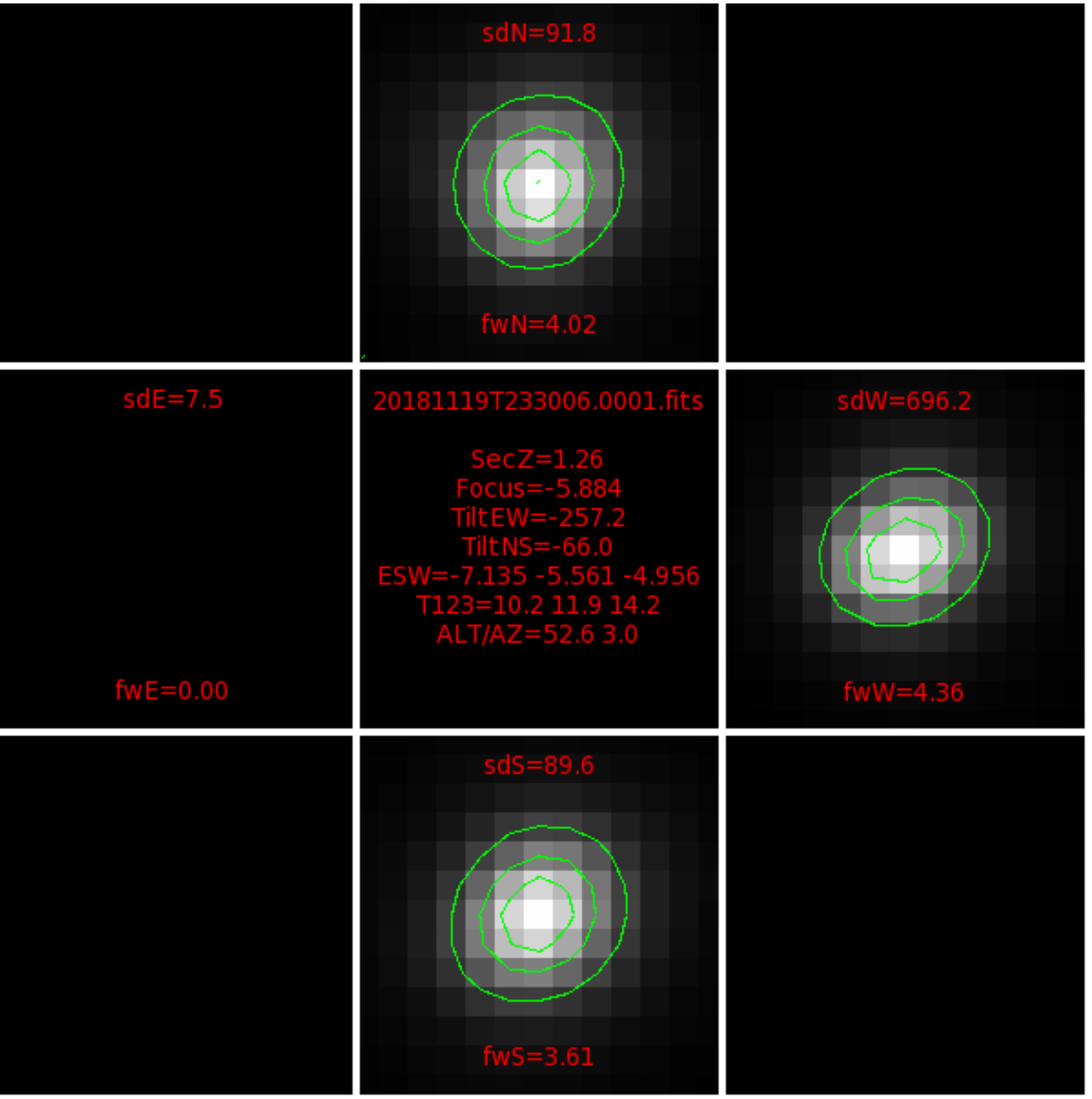
sdN=91.8
fwN=4.02
sdE=7.5
fwE=0.00
20181119T233006.0001.fits
SecZ=1.26
Focus=-5.884
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.135 -5.561 -4.956
T123=10.2 11.9 14.2
ALT/AZ=52.6 3.0
sdW=696.2
fwW=4.36
sdS=89.6
fwS=3.61
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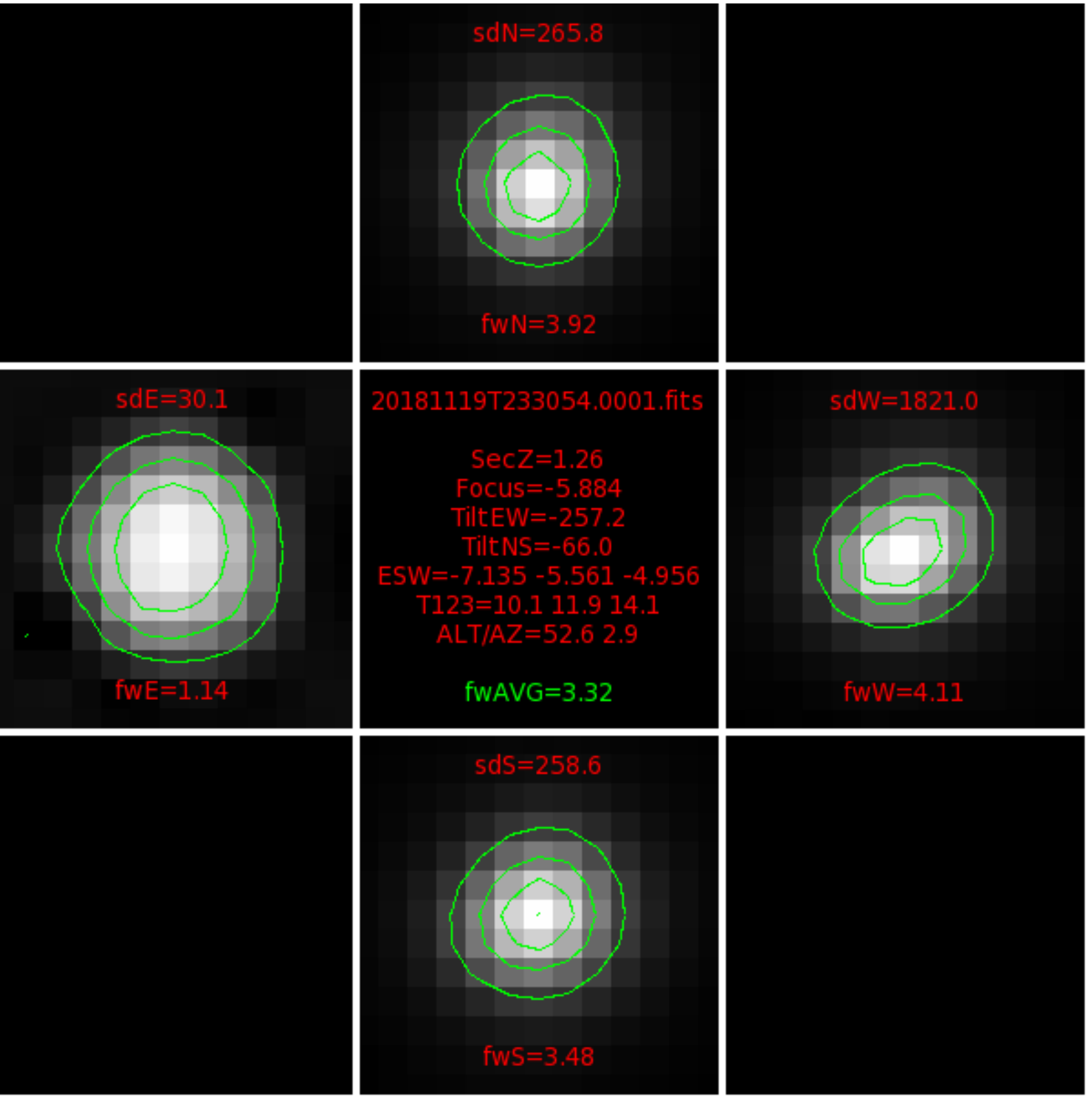
sdN=265.8
fwN=3.92
sdE=30.1
fwE=1.14
20181119T233054.0001.fits
SecZ=1.26
Focus=-5.884
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.135 -5.561 -4.956
T123=10.1 11.9 14.1
ALT/AZ=52.6 2.9
fwAVG=3.32
sdW=1821.0
fwW=4.11
sdS=258.6
fwS=3.48
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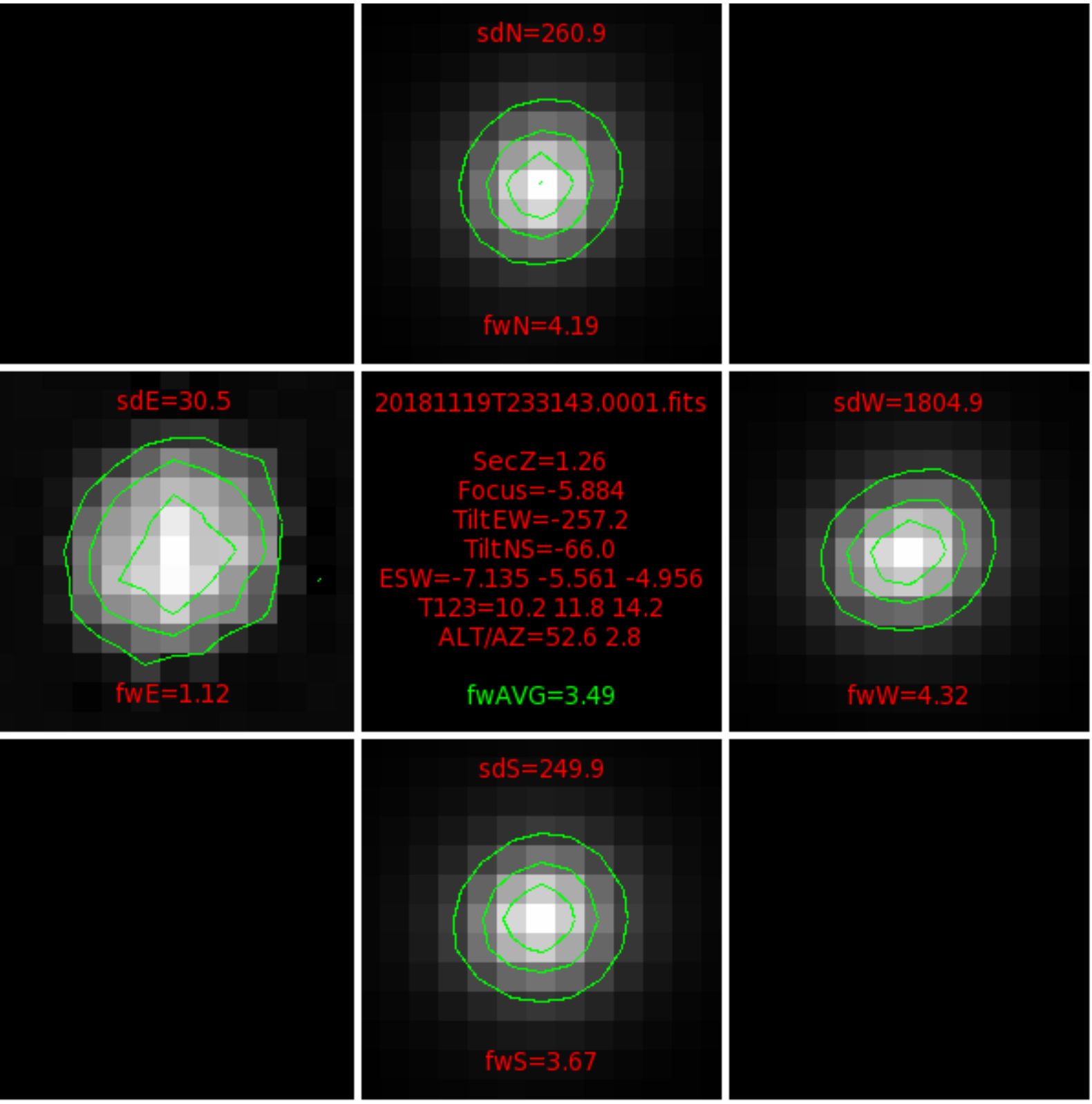
sdN=260.9
fwN=4.19
sdE=30.5
fwE=1.12
20181119T233143.0001.fits
SecZ=1.26
Focus=-5.884
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.135 -5.561 -4.956
T123=10.2 11.8 14.2
ALT/AZ=52.6 2.8
fwAVG=3.49
sdW=1804.9
fwW=4.32
sdS=249.9
fwS=3.67
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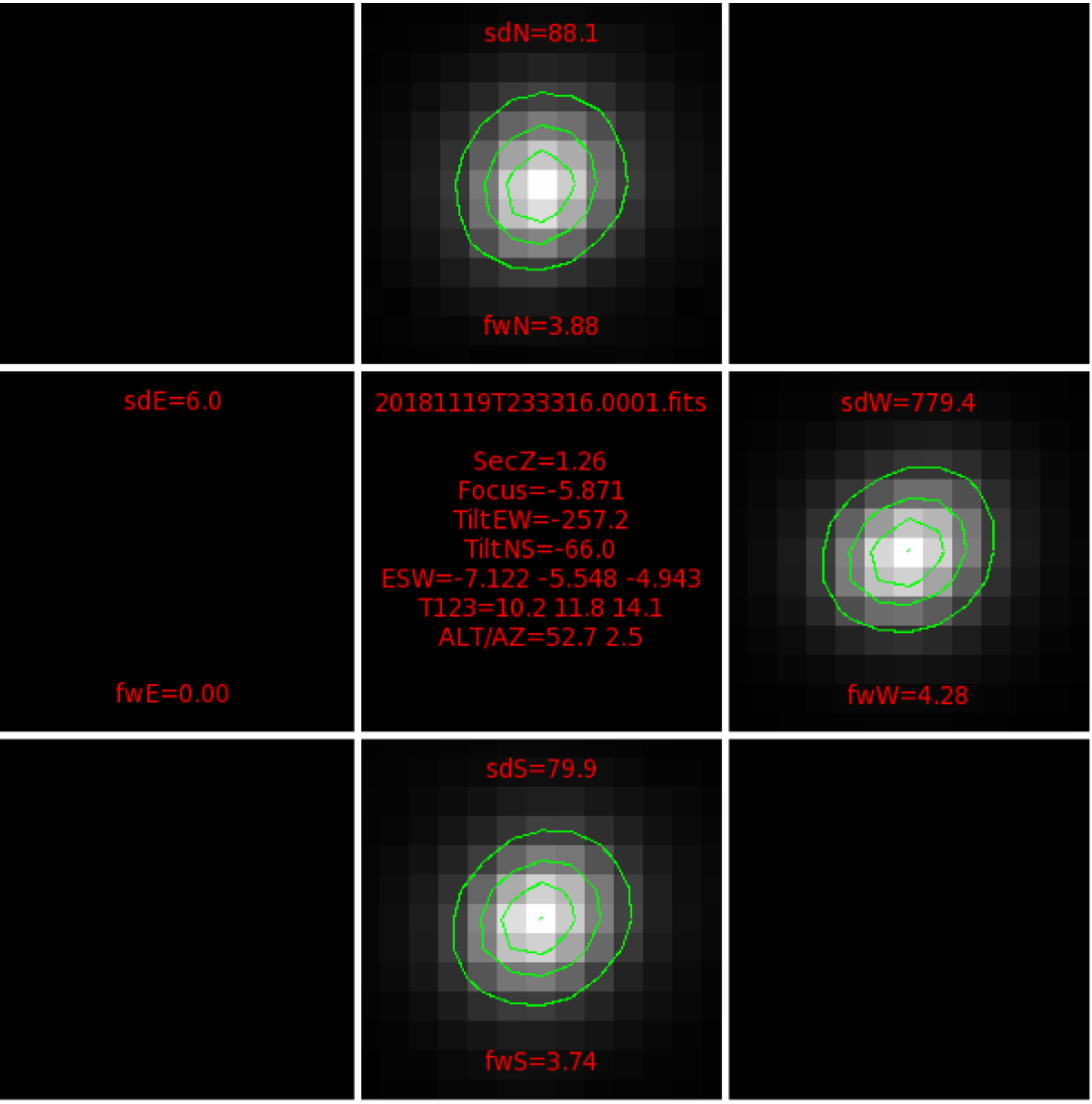
sdN=88.1
fwN=3.88
sdE=6.0
fwE=0.00
20181119T233316.0001.fits
SecZ=1.26
Focus=-5.871
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.122 -5.548 -4.943
T123=10.2 11.8 14.1
ALT/AZ=52.7 2.5
sdW=779.4
fwW=4.28
sdS=79.9
fwS=3.74
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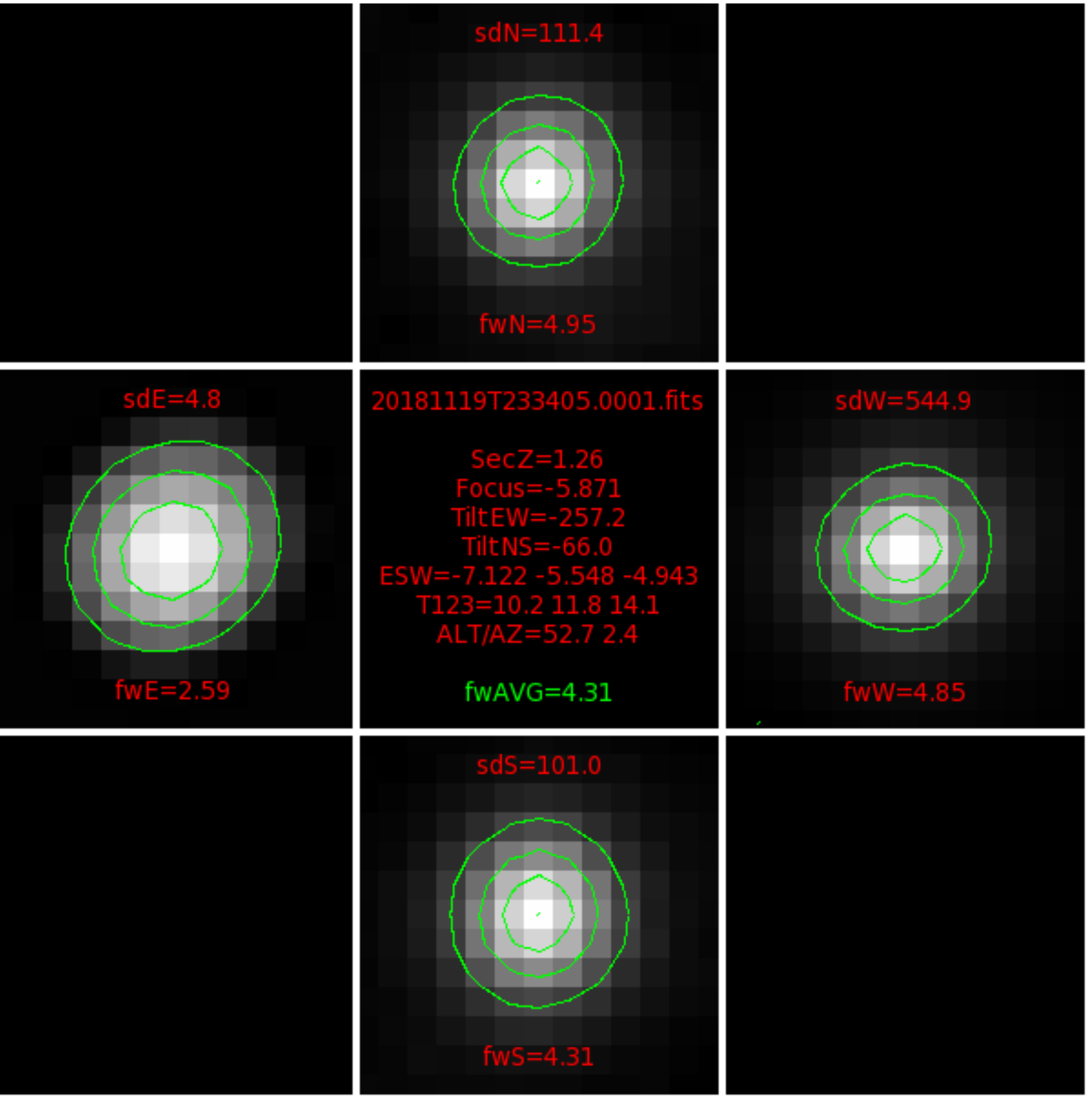
sdN=111.4
fwN=4.95
sdE=4.8
fwE=2.59
20181119T233405.0001.fits
SecZ=1.26
Focus=-5.871
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.122 -5.548 -4.943
T123=10.2 11.8 14.1
ALT/AZ=52.7 2.4
fwAVG=4.31
sdW=544.9
fwW=4.85
sdS=101.0
fwS=4.31
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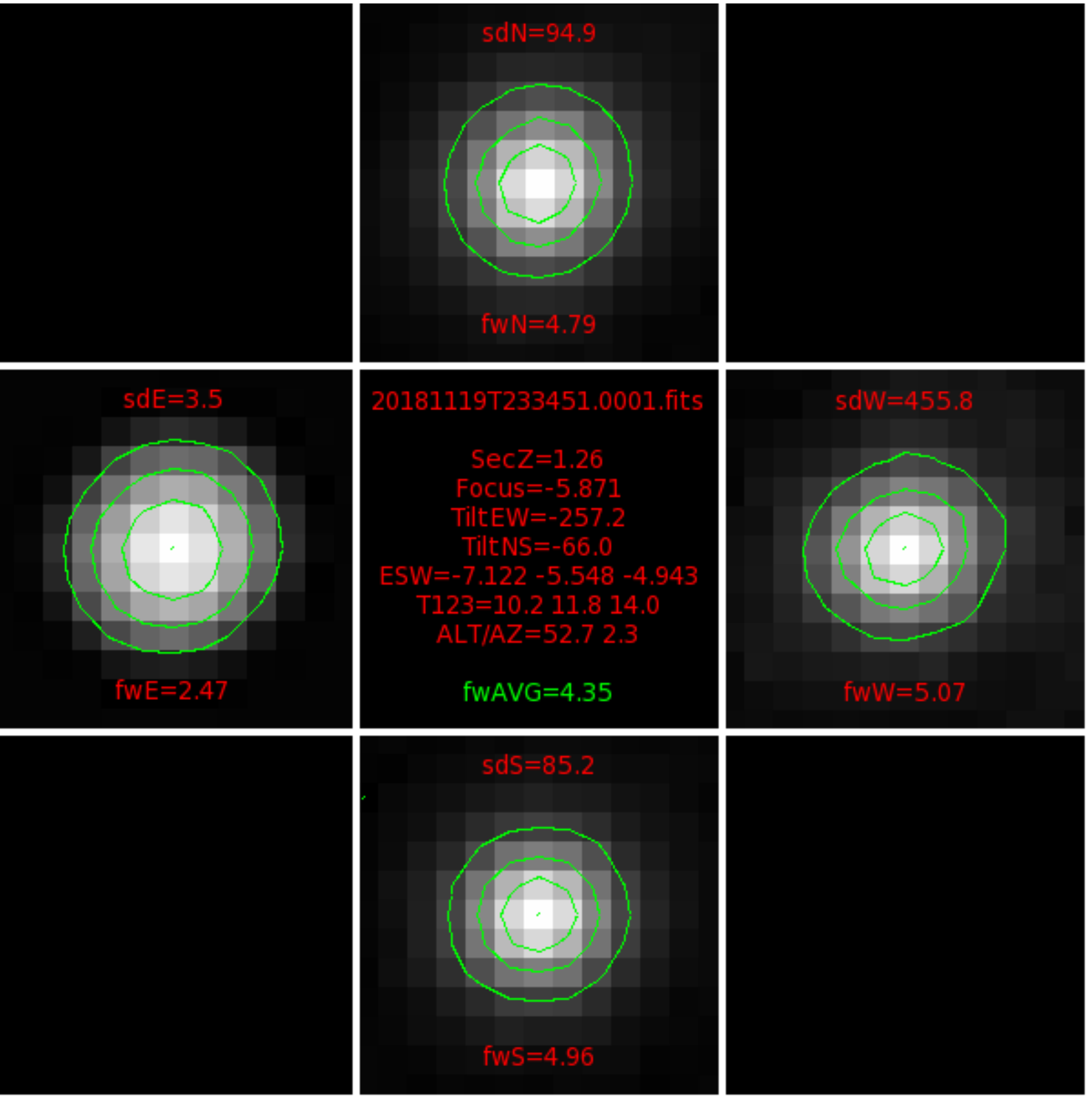
sdN=94.9
fwN=4.79
sdE=3.5
fwE=2.47
20181119T233451.0001.fits
SecZ=1.26
Focus=-5.871
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.122 -5.548 -4.943
T123=10.2 11.8 14.0
ALT/AZ=52.7 2.3
fwAVG=4.35
sdW=455.8
fwW=5.07
sdS=85.2
fwS=4.96
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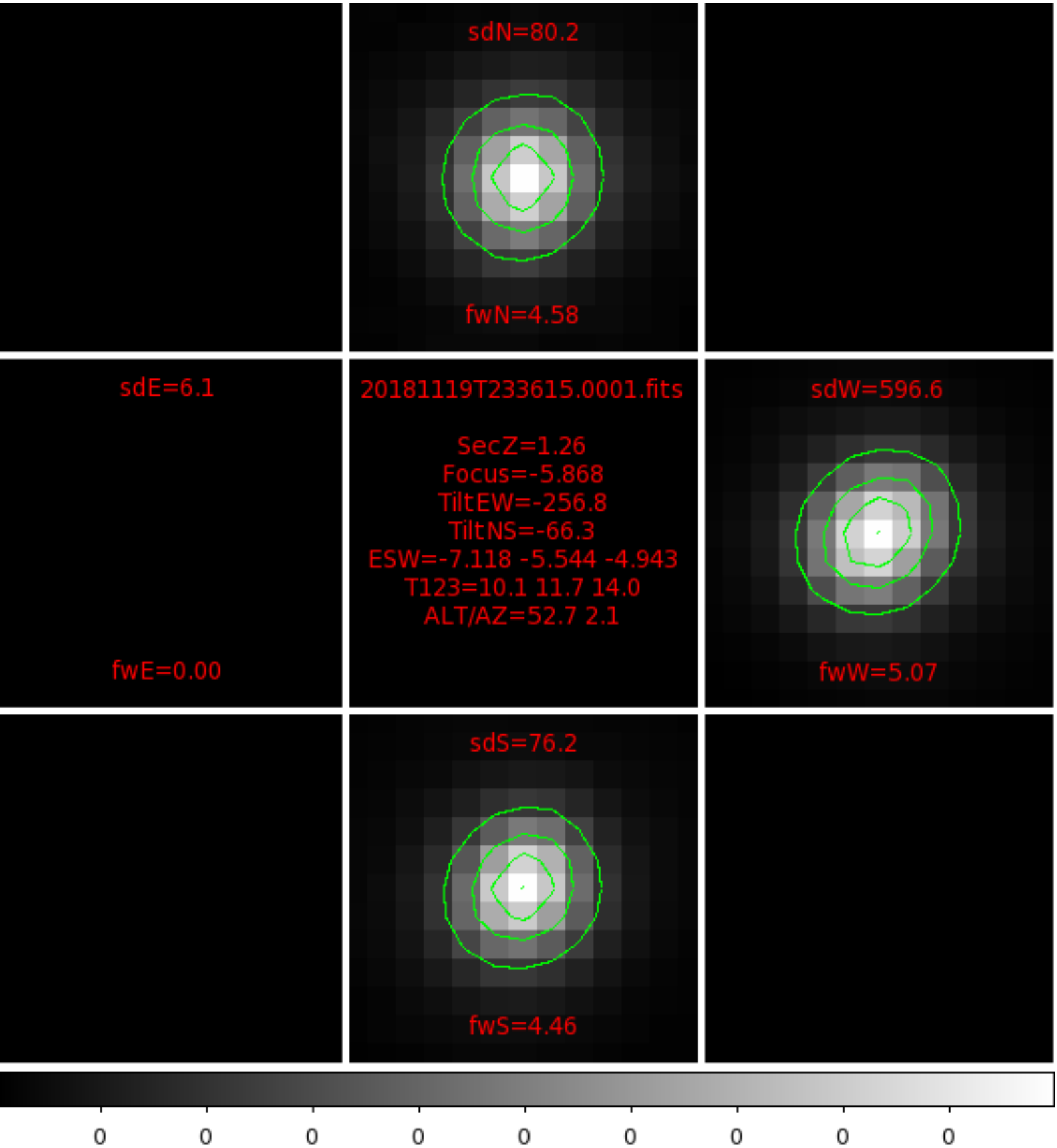
sdN=80.2
fwN=4.58
sdE=6.1
fwE=0.00
20181119T233615.0001.fits
SecZ=1.26
Focus=-5.868
TiltEW=-256.8
TiltNS=-66.3
ESW=-7.118 -5.544 -4.943
T123=10.1 11.7 14.0
ALT/AZ=52.7 2.1
sdW=596.6
fwW=5.07
sdS=76.2
fwS=4.46
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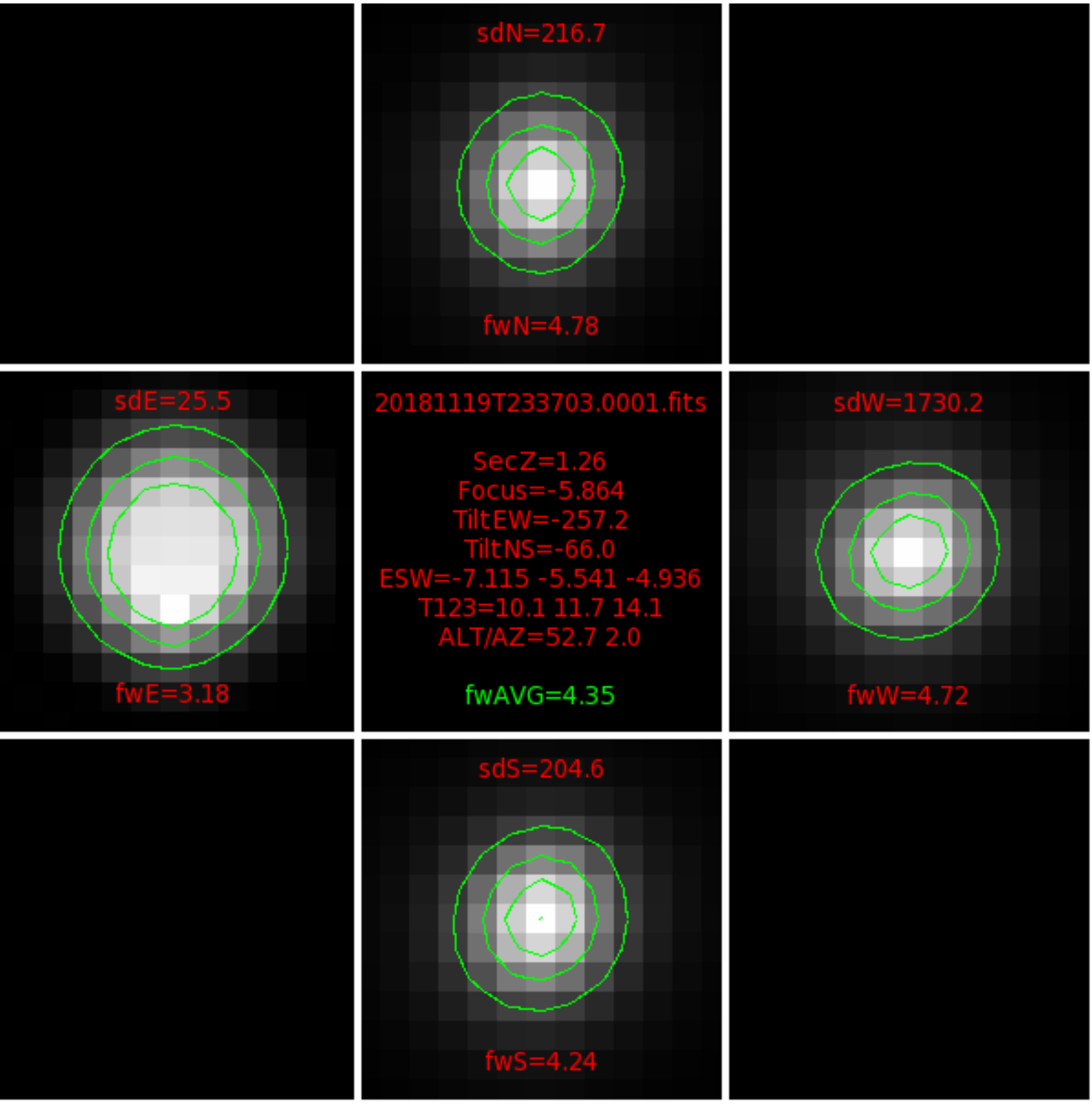
sdN=216.7
fwN=4.78
sdE=25.5
fwE=3.18
20181119T233703.0001.fits
SecZ=1.26
Focus=-5.864
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.115 -5.541 -4.936
T123=10.1 11.7 14.1
ALT/AZ=52.7 2.0
fwAVG=4.35
sdW=1730.2
fwW=4.72
sdS=204.6
fwS=4.24
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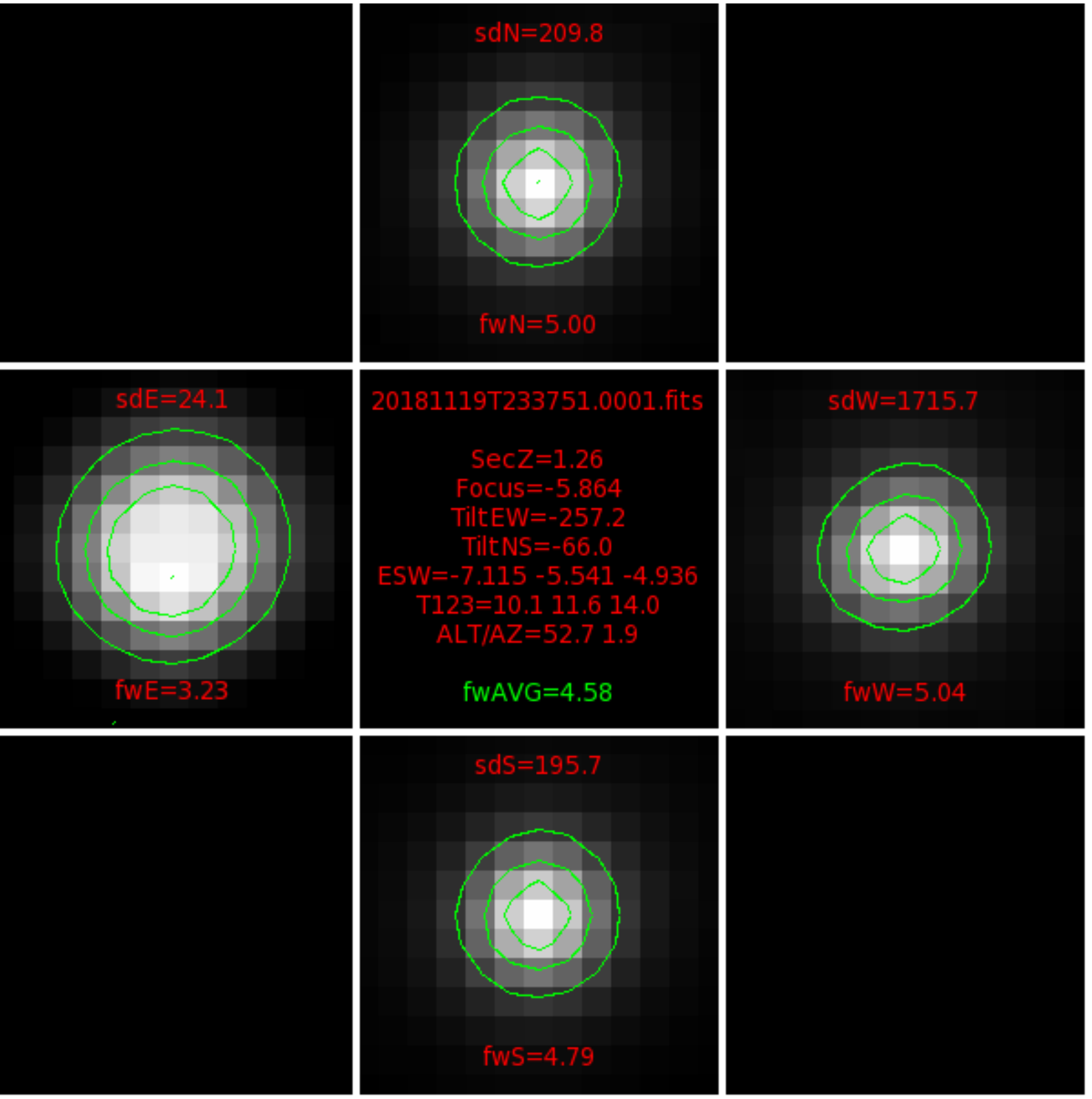
sdN=209.8
fwN=5.00
sdE=24.1
fwE=3.23
20181119T233751.0001.fits
SecZ=1.26
Focus=-5.864
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.115 -5.541 -4.936
T123=10.1 11.6 14.0
ALT/AZ=52.7 1.9
fwAVG=4.58
sdW=1715.7
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sdS=195.7
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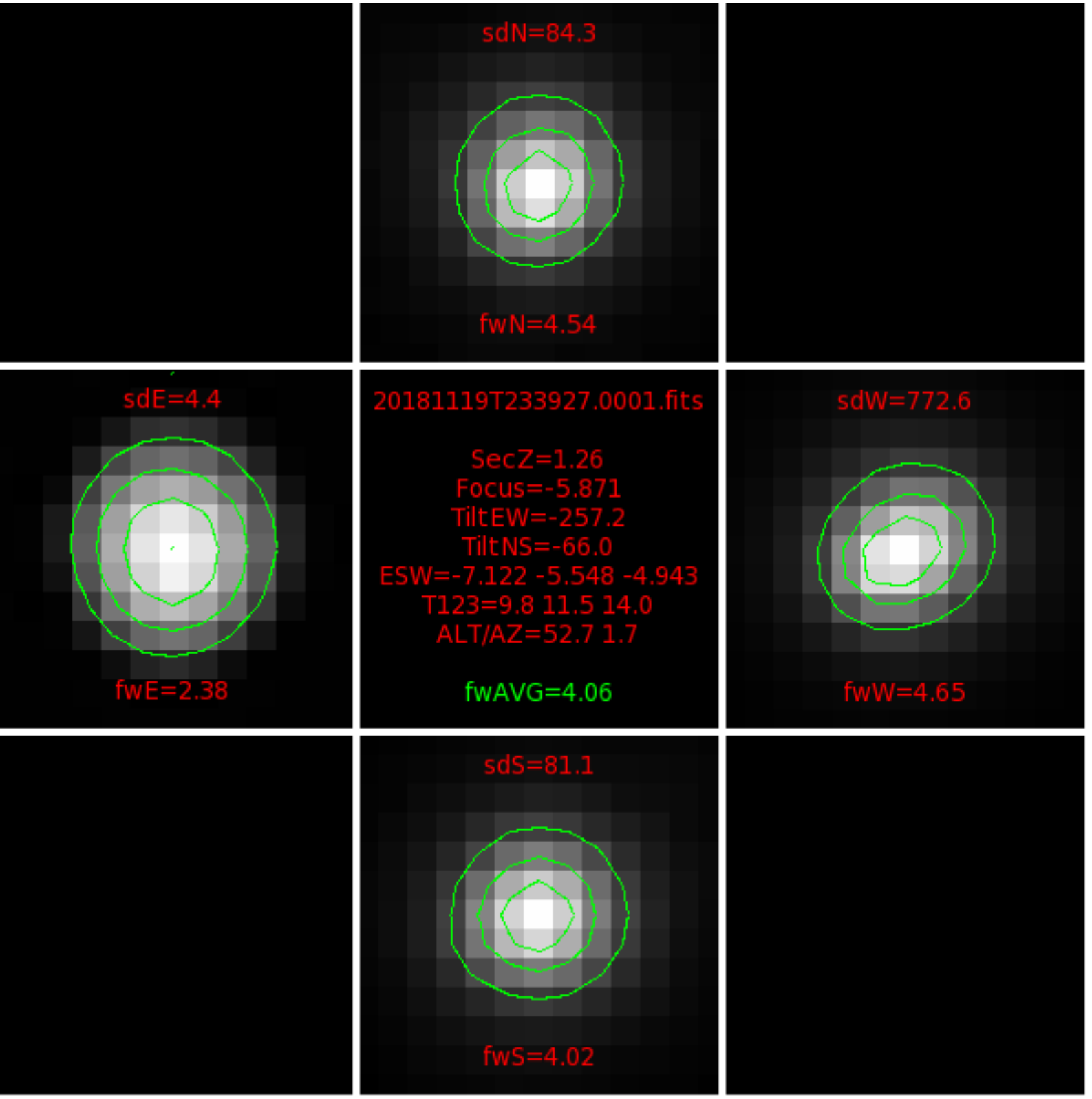
sdN=84.3
fwN=4.54
sdE=4.4
fwE=2.38
20181119T233927.0001.fits
SecZ=1.26
Focus=-5.871
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.122 -5.548 -4.943
T123=9.8 11.5 14.0
ALT/AZ=52.7 1.7
fwAVG=4.06
sdW=772.6
fwW=4.65
sdS=81.1
fwS=4.02
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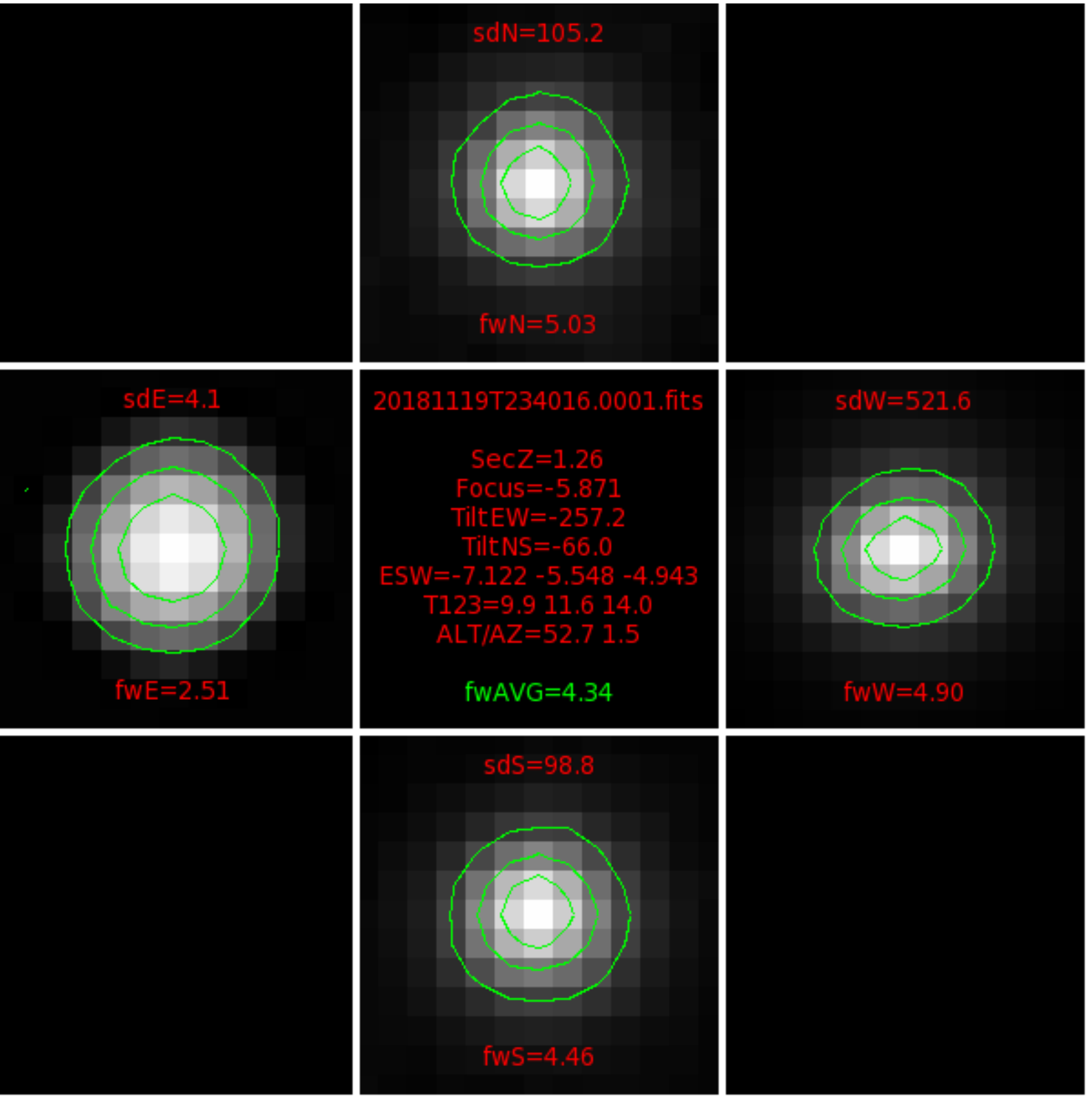
sdN=105.2
fwN=5.03
sdE=4.1
fwE=2.51
20181119T234016.0001.fits
SecZ=1.26
Focus=-5.871
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.122 -5.548 -4.943
T123=9.9 11.6 14.0
ALT/AZ=52.7 1.5
fwAVG=4.34
sdW=521.6
fwW=4.90
sdS=98.8
fwS=4.46
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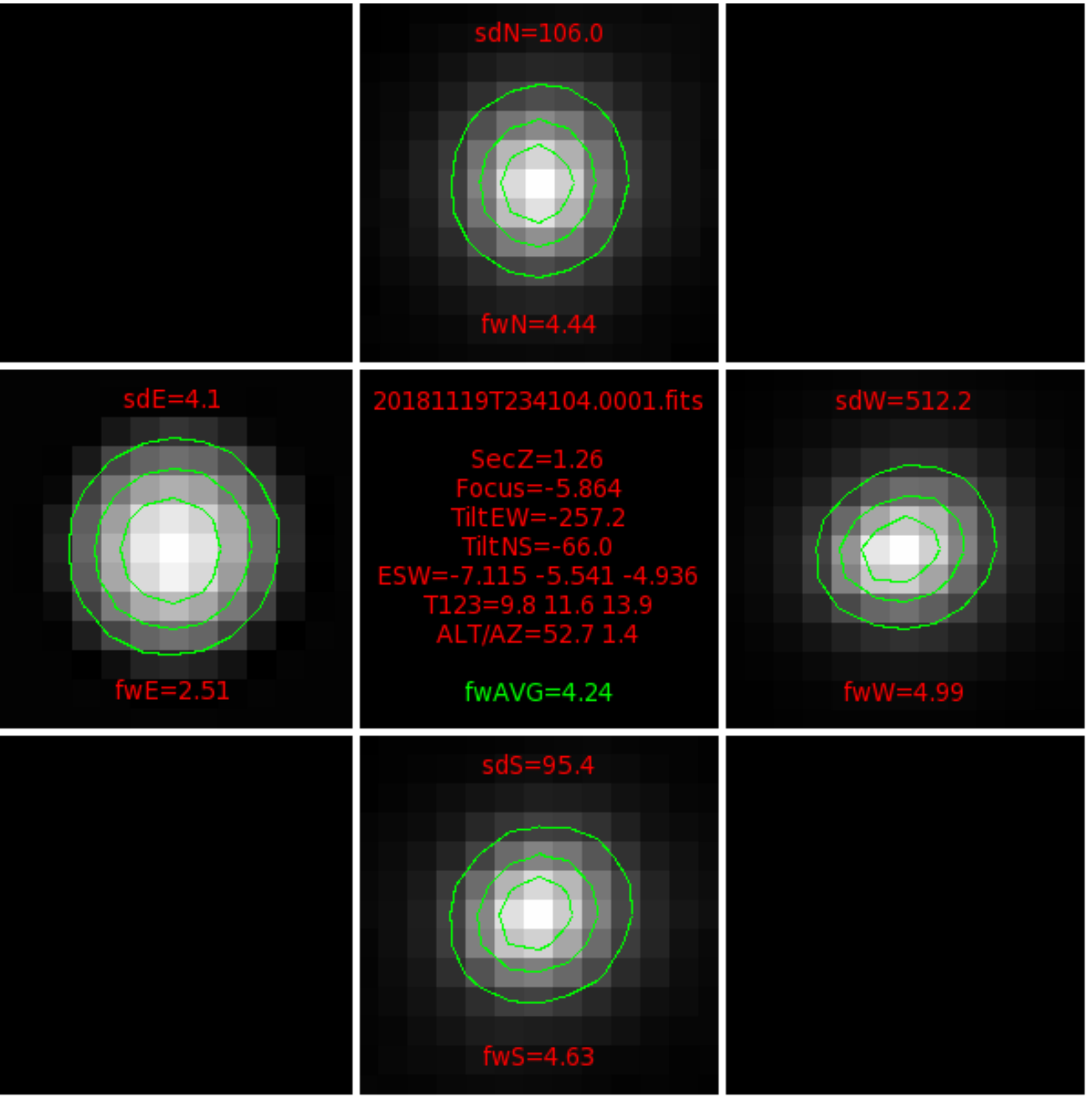
sdN=106.0
fwN=4.44
sdE=4.1
fwE=2.51
20181119T234104.0001.fits
SecZ=1.26
Focus=-5.864
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.115 -5.541 -4.936
T123=9.8 11.6 13.9
ALT/AZ=52.7 1.4
fwAVG=4.24
sdW=512.2
fwW=4.99
sdS=95.4
fwS=4.63
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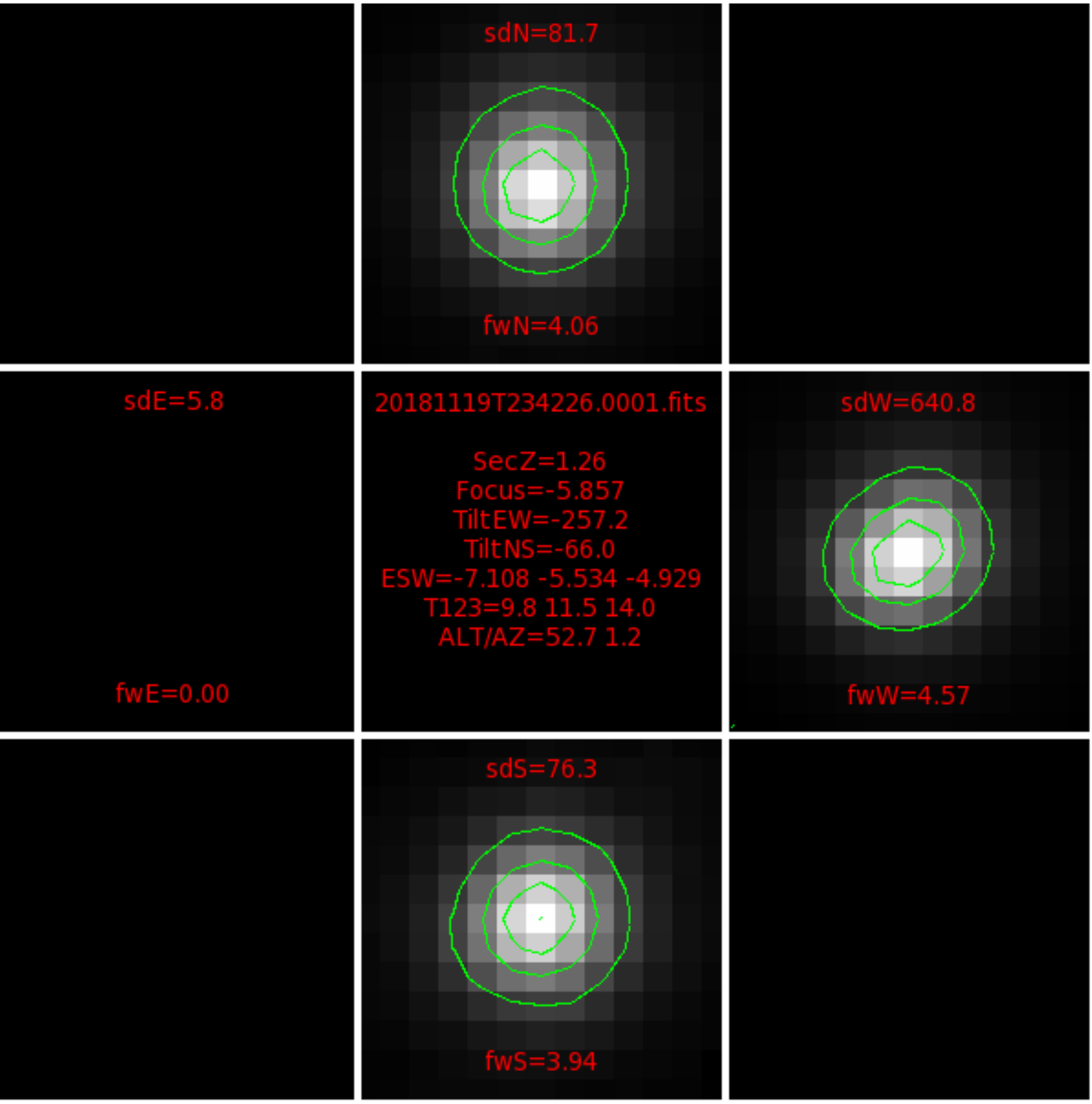
sdN=81.7
fwN=4.06
sdE=5.8
fwE=0.00
20181119T234226.0001.fits
SecZ=1.26
Focus=-5.857
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.108 -5.534 -4.929
T123=9.8 11.5 14.0
ALT/AZ=52.7 1.2
sdW=640.8
fwW=4.57
sdS=76.3
fwS=3.94
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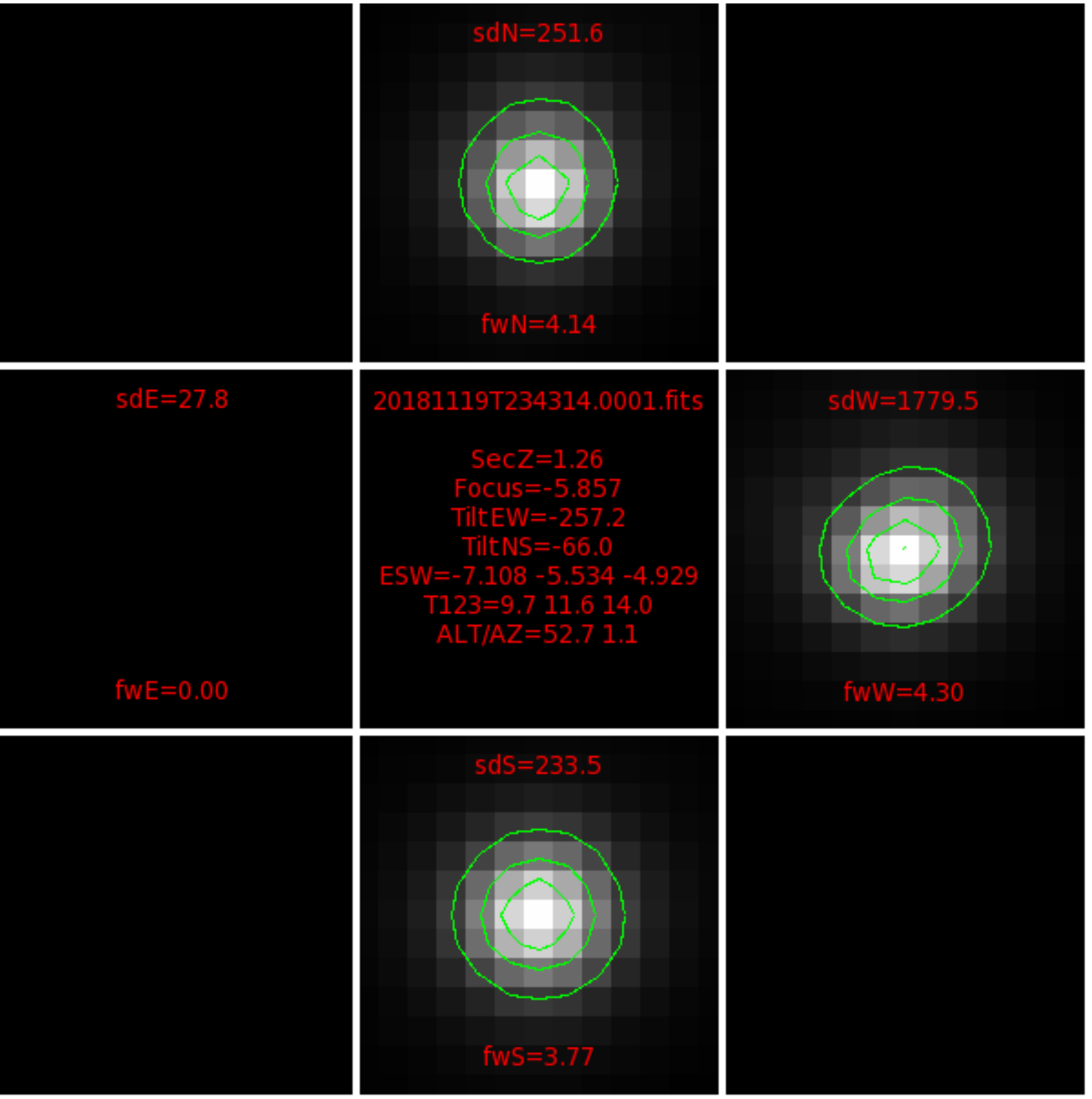
sdN=251.6
fwN=4.14
sdE=27.8
fwE=0.00
20181119T234314.0001.fits
SecZ=1.26
Focus=-5.857
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.108 -5.534 -4.929
T123=9.7 11.6 14.0
ALT/AZ=52.7 1.1
sdW=1779.5
fwW=4.30
sdS=233.5
fwS=3.77
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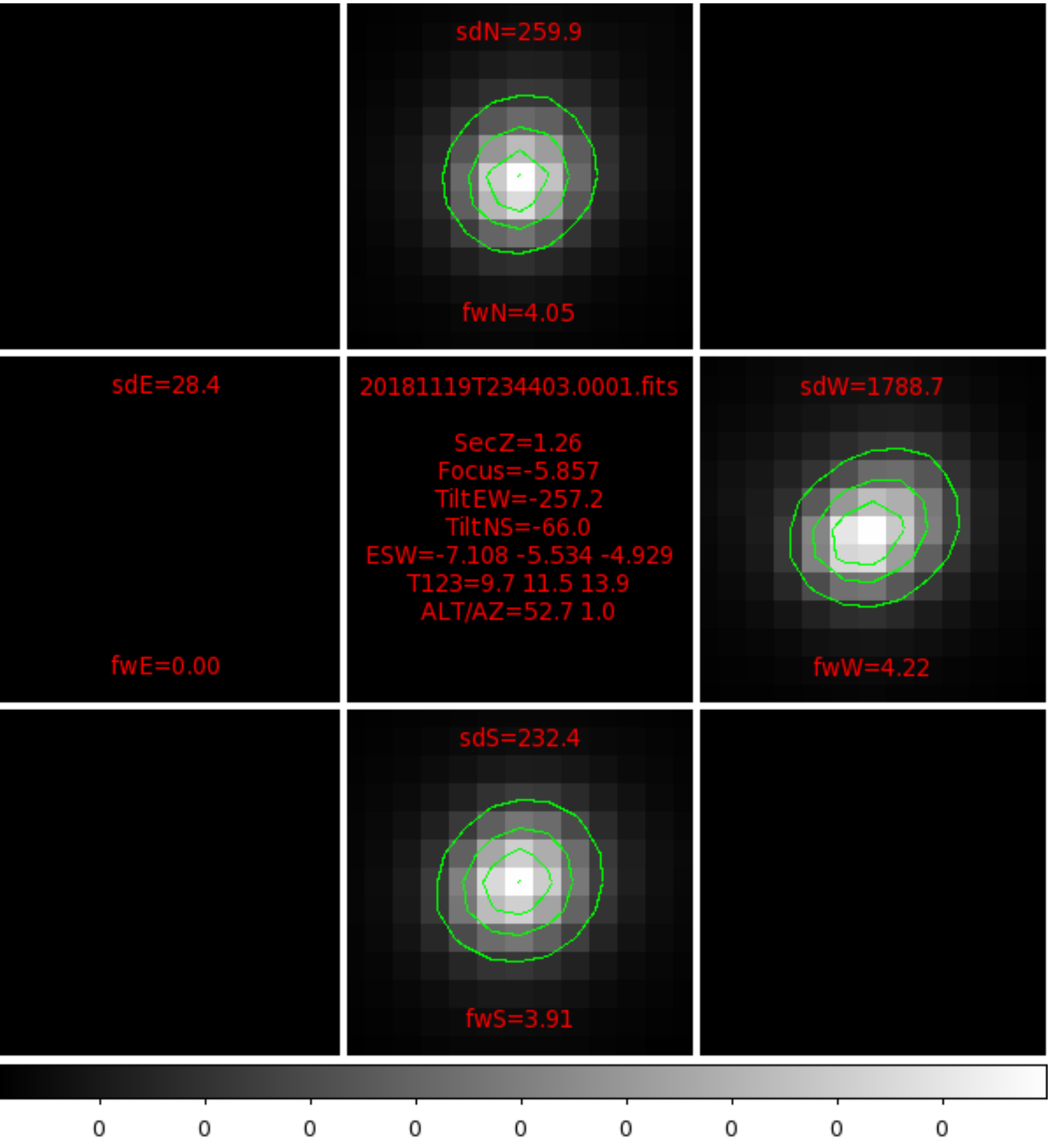
sdN=259.9
fwN=4.05
sdE=28.4
fwE=0.00
20181119T234403.0001.fits
SecZ=1.26
Focus=-5.857
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.108 -5.534 -4.929
T123=9.7 11.5 13.9
ALT/AZ=52.7 1.0
sdW=1788.7
fwW=4.22
sdS=232.4
fwS=3.91
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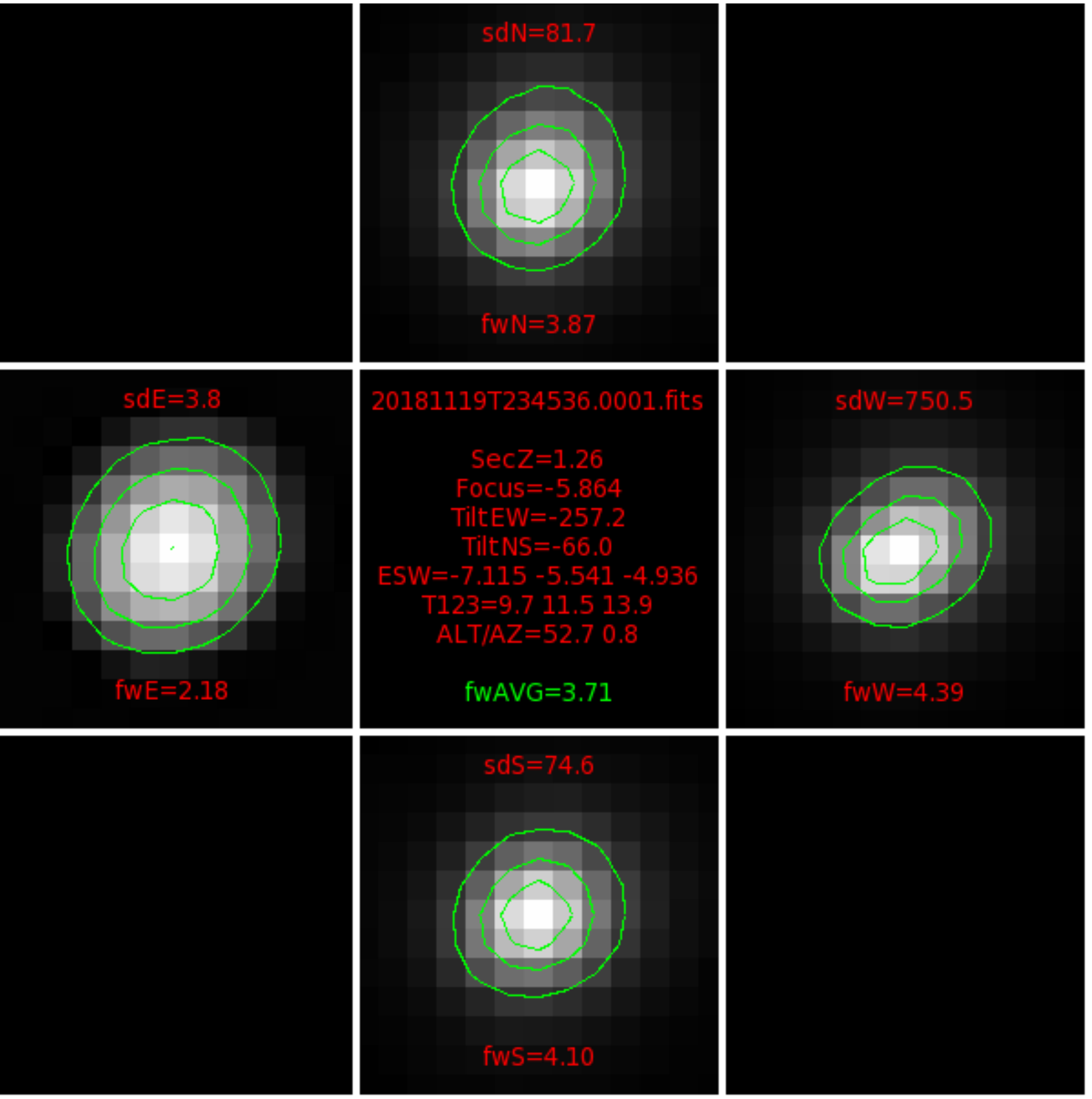
sdN=81.7
fwN=3.87
sdE=3.8
fwE=2.18
20181119T234536.0001.fits
SecZ=1.26
Focus=-5.864
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.115 -5.541 -4.936
T123=9.7 11.5 13.9
ALT/AZ=52.7 0.8
fwAVG=3.71
sdW=750.5
fwW=4.39
sdS=74.6
fwS=4.10
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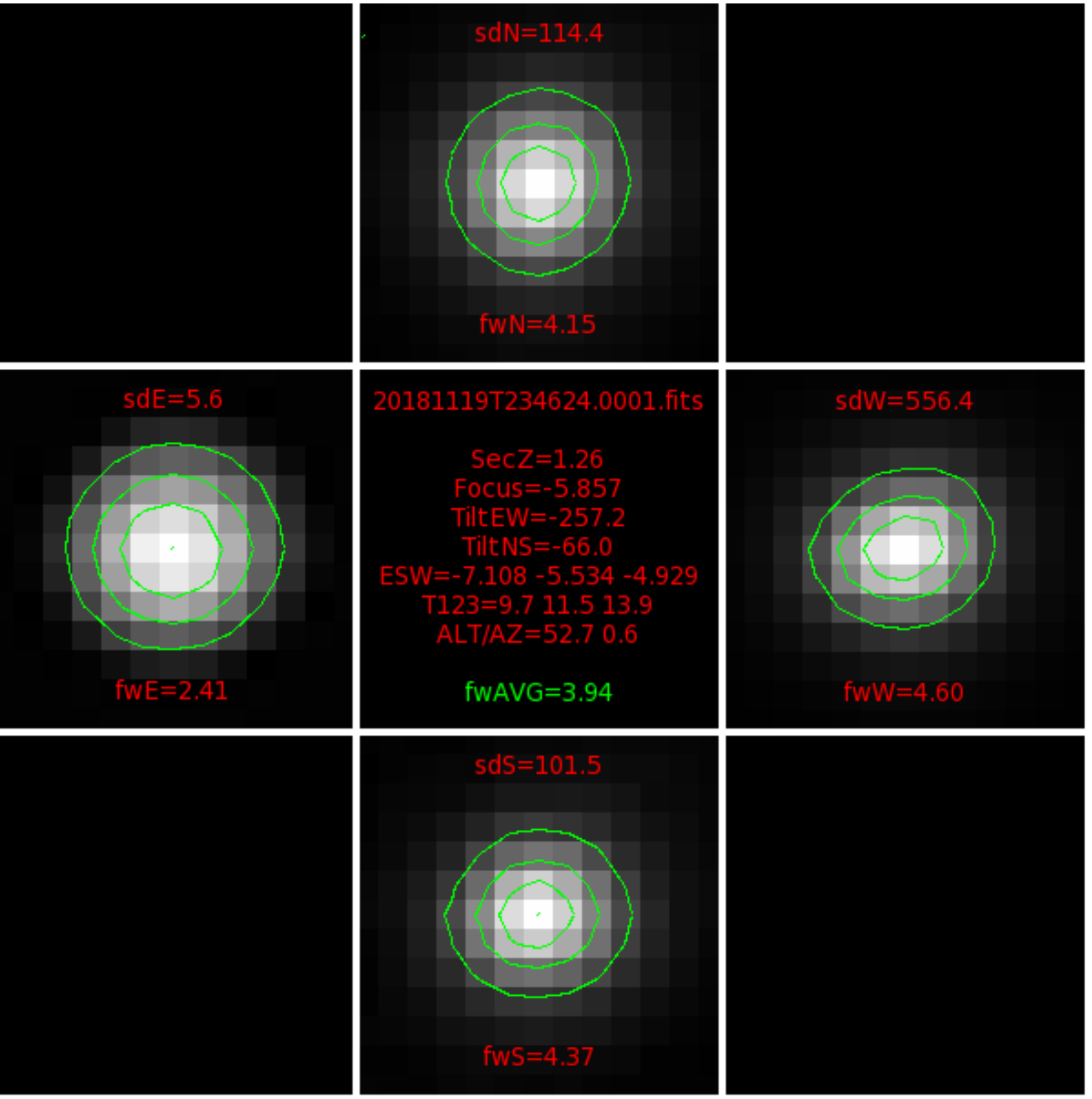
sdN=114.4
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sdE=5.6
fwE=2.41
20181119T234624.0001.fits
SecZ=1.26
Focus=-5.857
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.108 -5.534 -4.929
T123=9.7 11.5 13.9
ALT/AZ=52.7 0.6
fwAVG=3.94
sdW=556.4
fwW=4.60
sdS=101.5
fwS=4.37
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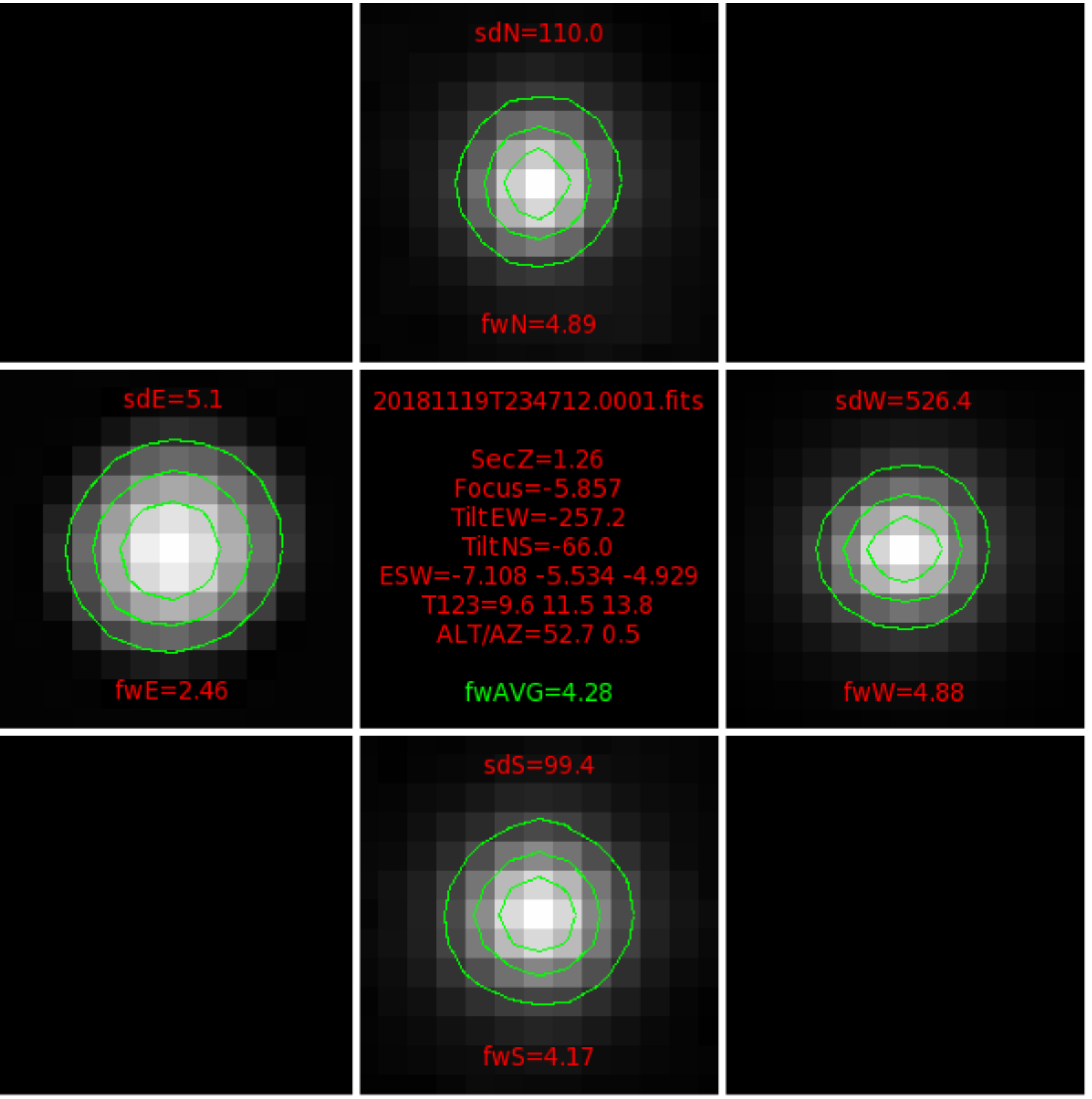
sdN=110.0
fwN=4.89
sdE=5.1
fwE=2.46
20181119T234712.0001.fits
SecZ=1.26
Focus=-5.857
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.108 -5.534 -4.929
T123=9.6 11.5 13.8
ALT/AZ=52.7 0.5
fwAVG=4.28
sdW=526.4
fwW=4.88
sdS=99.4
fwS=4.17
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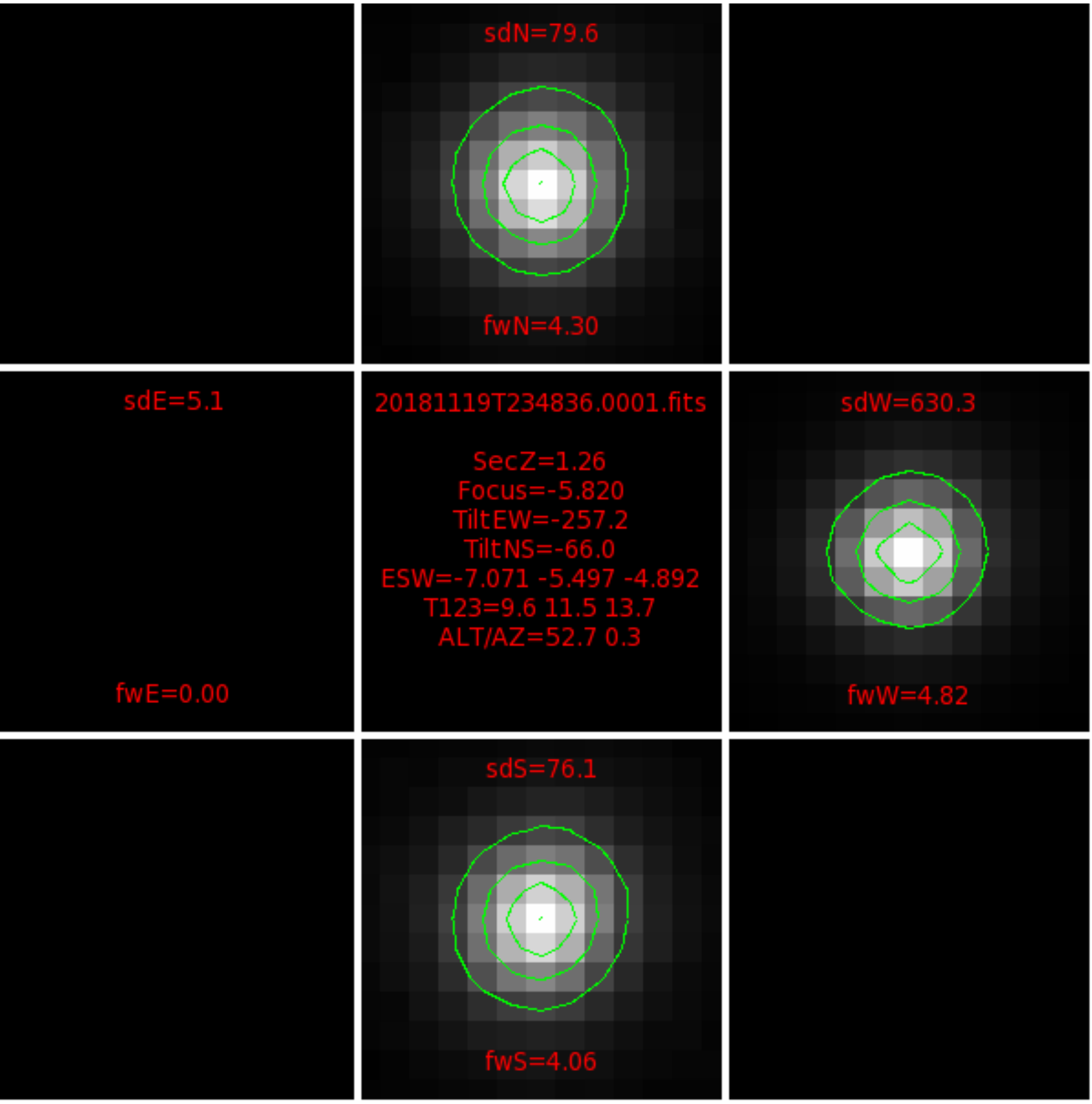
sdN=79.6
fwN=4.30
sdE=5.1
fwE=0.00
20181119T234836.0001.fits
SecZ=1.26
Focus=-5.820
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.071 -5.497 -4.892
T123=9.6 11.5 13.7
ALT/AZ=52.7 0.3
sdW=630.3
fwW=4.82
sdS=76.1
fwS=4.06
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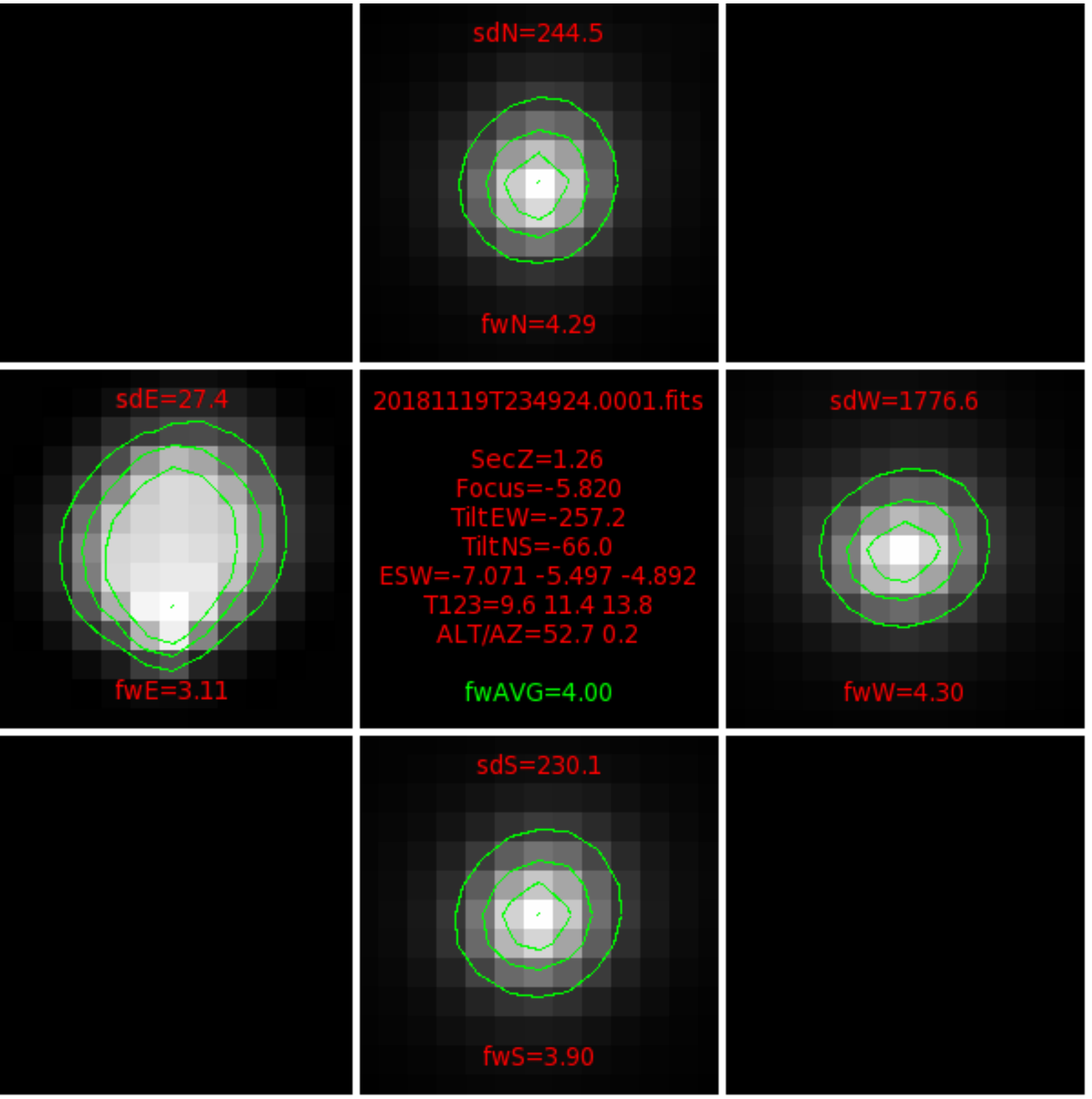
sdN=244.5
fwN=4.29
sdE=27.4
fwE=3.11
20181119T234924.0001.fits
SecZ=1.26
Focus=-5.820
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.071 -5.497 -4.892
T123=9.6 11.4 13.8
ALT/AZ=52.7 0.2
fwAVG=4.00
sdW=1776.6
fwW=4.30
sdS=230.1
fwS=3.90
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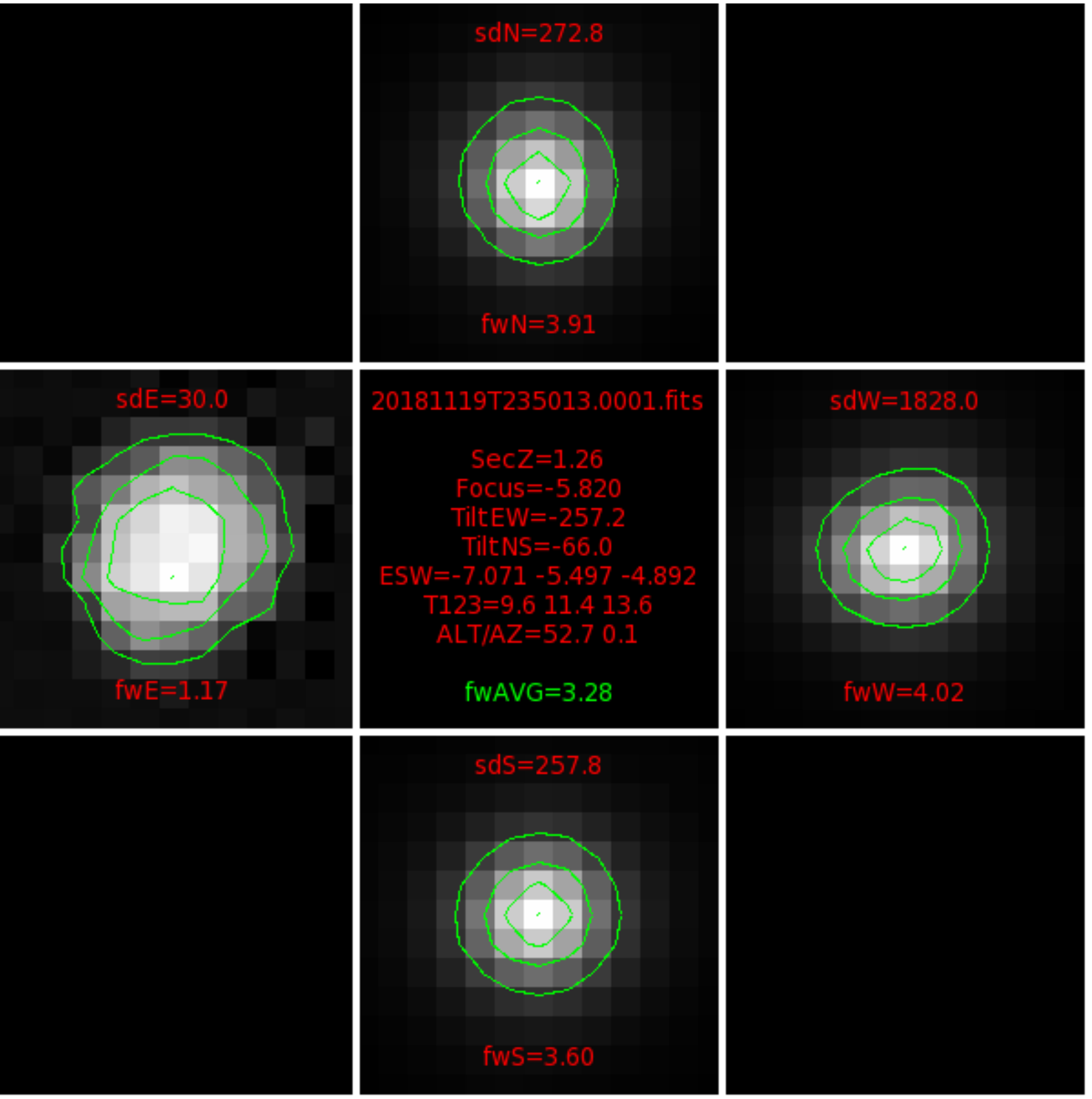
sdN=272.8
fwN=3.91
sdE=30.0
fwE=1.17
20181119T235013.0001.fits
SecZ=1.26
Focus=-5.820
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.071 -5.497 -4.892
T123=9.6 11.4 13.6
ALT/AZ=52.7 0.1
fwAVG=3.28
sdW=1828.0
fwW=4.02
sdS=257.8
fwS=3.60
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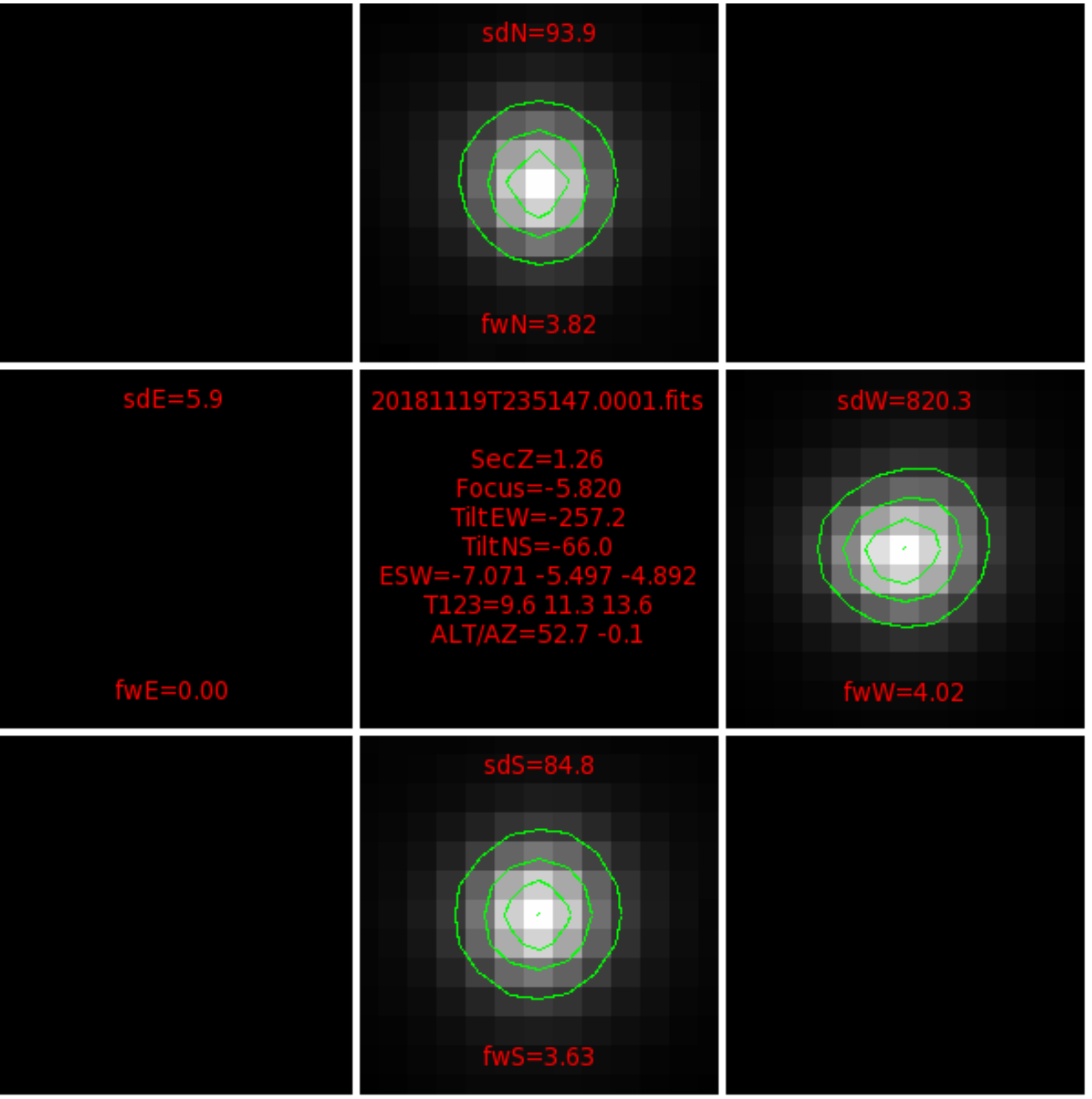
sdN=93.9
fwN=3.82
sdE=5.9
fwE=0.00
20181119T235147.0001.fits
SecZ=1.26
Focus=-5.820
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.071 -5.497 -4.892
T123=9.6 11.3 13.6
ALT/AZ=52.7 -0.1
sdW=820.3
fwW=4.02
sdS=84.8
fwS=3.63
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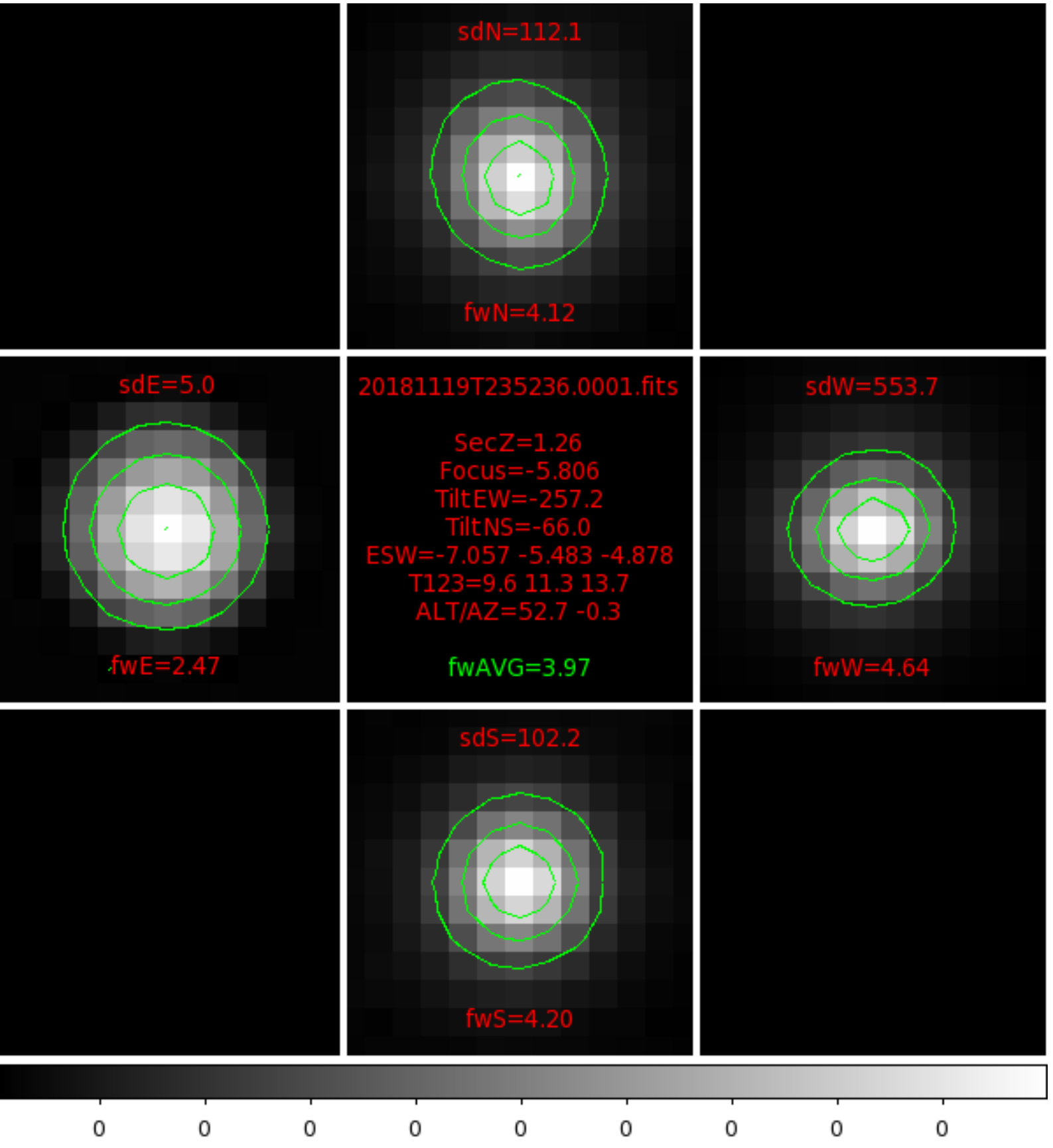
sdN=112.1
fwN=4.12
sdE=5.0
fwE=2.47
20181119T235236.0001.fits
SecZ=1.26
Focus=-5.806
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.057 -5.483 -4.878
T123=9.6 11.3 13.7
ALT/AZ=52.7 -0.3
fwAVG=3.97
sdW=553.7
fwW=4.64
sdS=102.2
fwS=4.20
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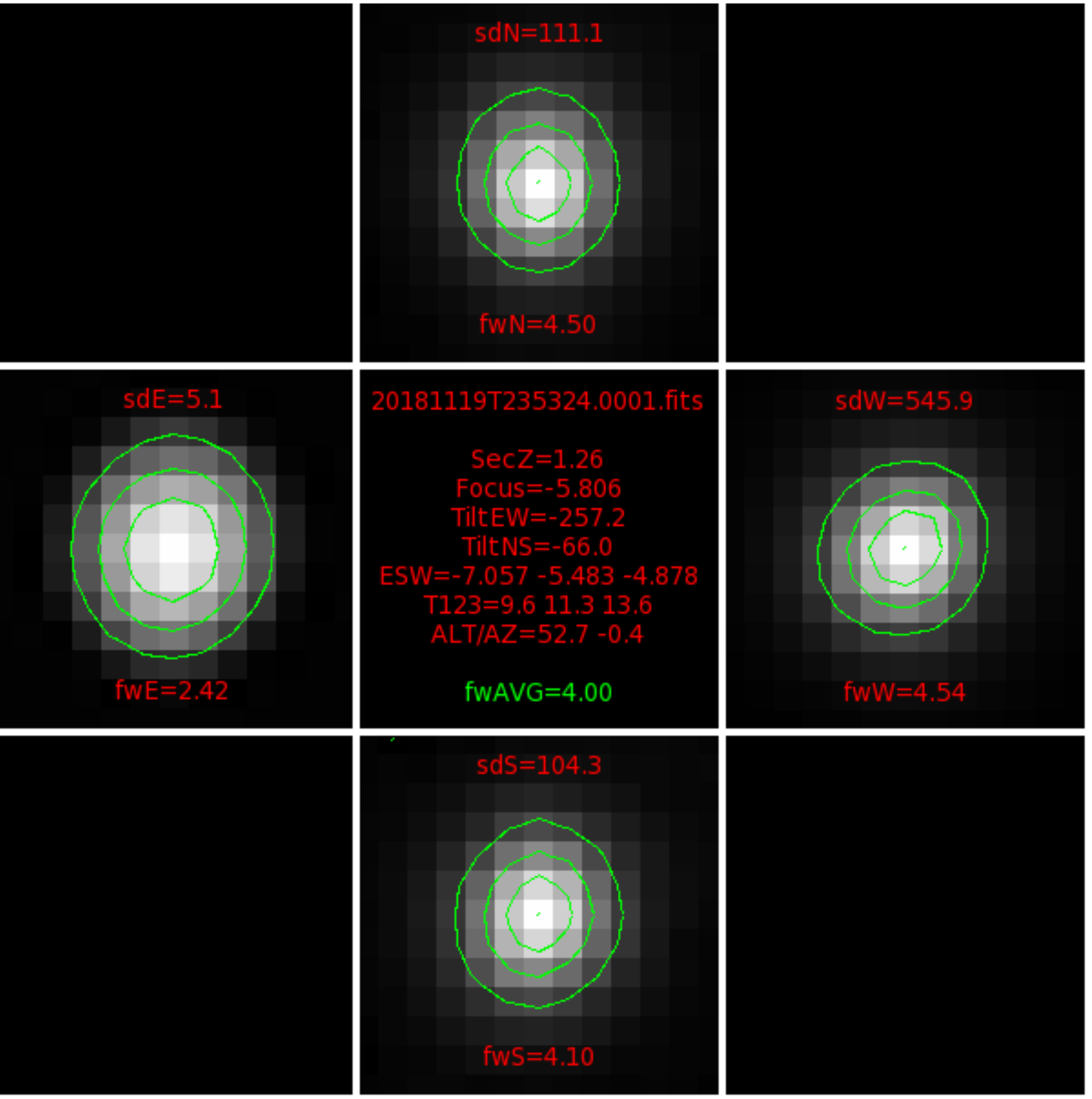
sdN=111.1
fwN=4.50
sdE=5.1
fwE=2.42
20181119T235324.0001.fits
SecZ=1.26
Focus=-5.806
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.057 -5.483 -4.878
T123=9.6 11.3 13.6
ALT/AZ=52.7 -0.4
fwAVG=4.00
sdW=545.9
fwW=4.54
sdS=104.3
fwS=4.10
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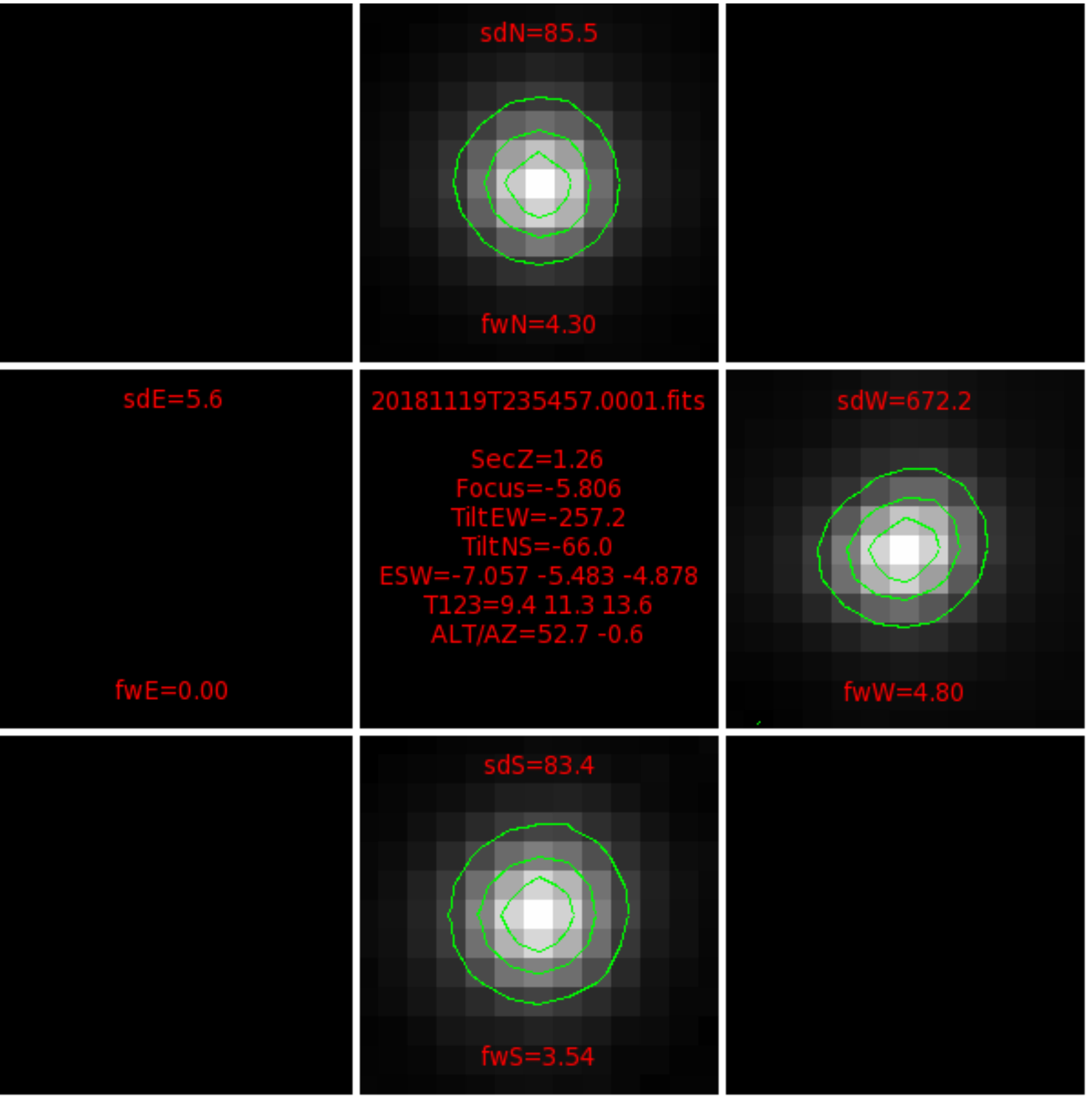
sdN=85.5
fwN=4.30
sdE=5.6
fwE=0.00
20181119T235457.0001.fits
SecZ=1.26
Focus=-5.806
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.057 -5.483 -4.878
T123=9.4 11.3 13.6
ALT/AZ=52.7 -0.6
sdW=672.2
fwW=4.80
sdS=83.4
fwS=3.54
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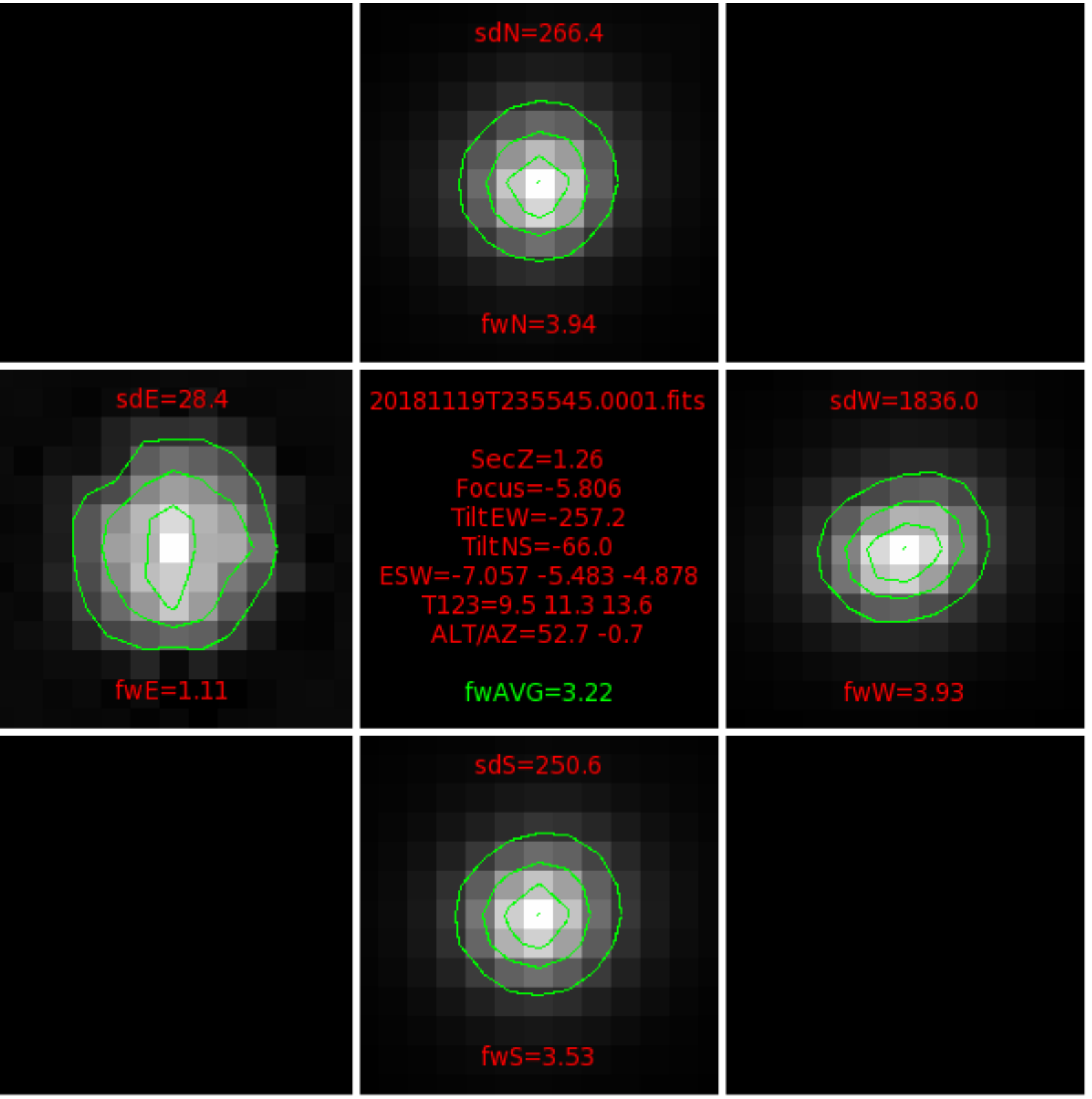
sdN=266.4
fwN=3.94
sdE=28.4
fwE=1.11
20181119T235545.0001.fits
SecZ=1.26
Focus=-5.806
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.057 -5.483 -4.878
T123=9.5 11.3 13.6
ALT/AZ=52.7 -0.7
fwAVG=3.22
sdW=1836.0
fwW=3.93
sdS=250.6
fwS=3.53
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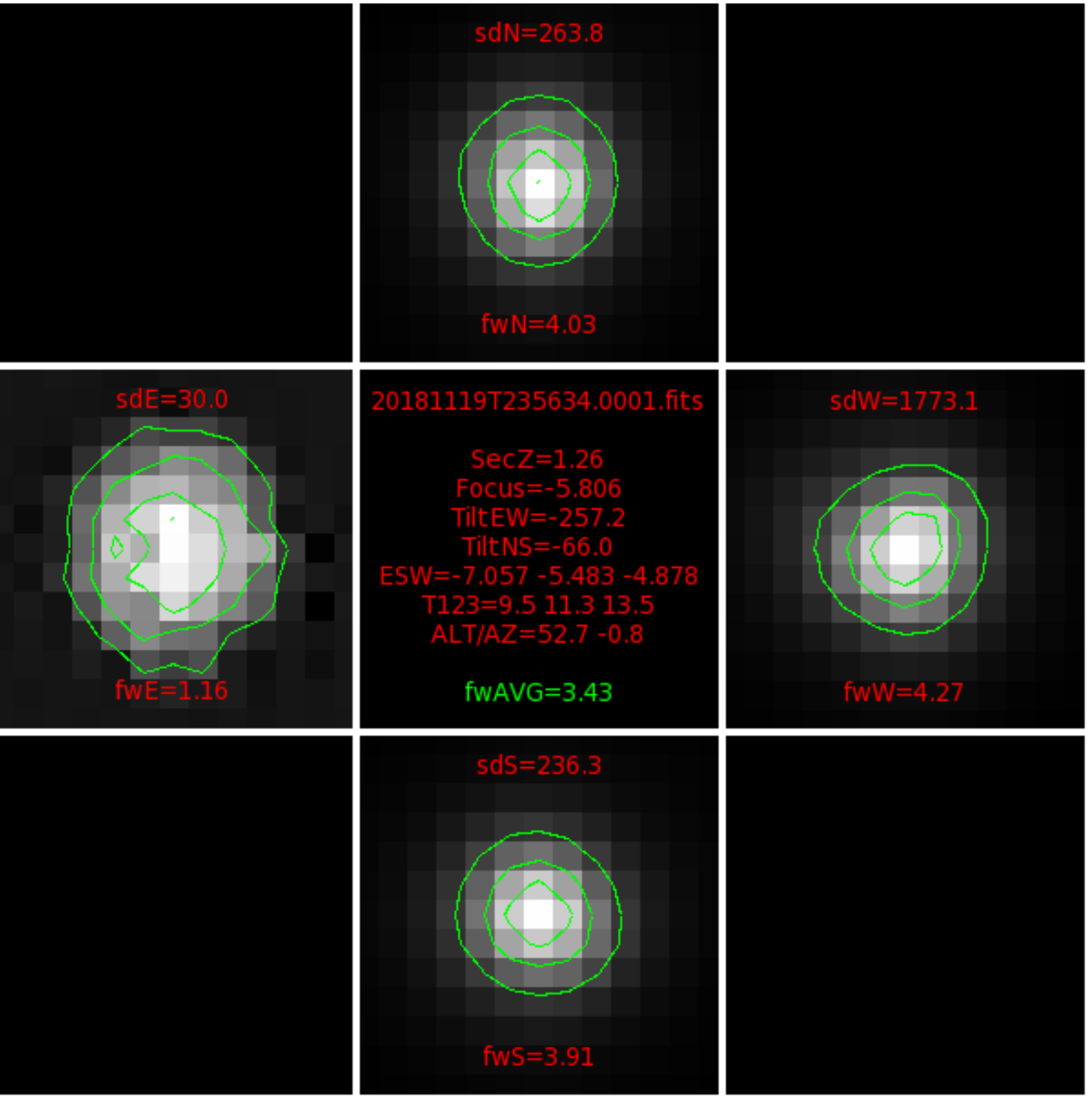
sdN=263.8
fwN=4.03
sdE=30.0
fwE=1.16
20181119T235634.0001.fits
SecZ=1.26
Focus=-5.806
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.057 -5.483 -4.878
T123=9.5 11.3 13.5
ALT/AZ=52.7 -0.8
fwAVG=3.43
sdW=1773.1
fwW=4.27
sdS=236.3
fwS=3.91
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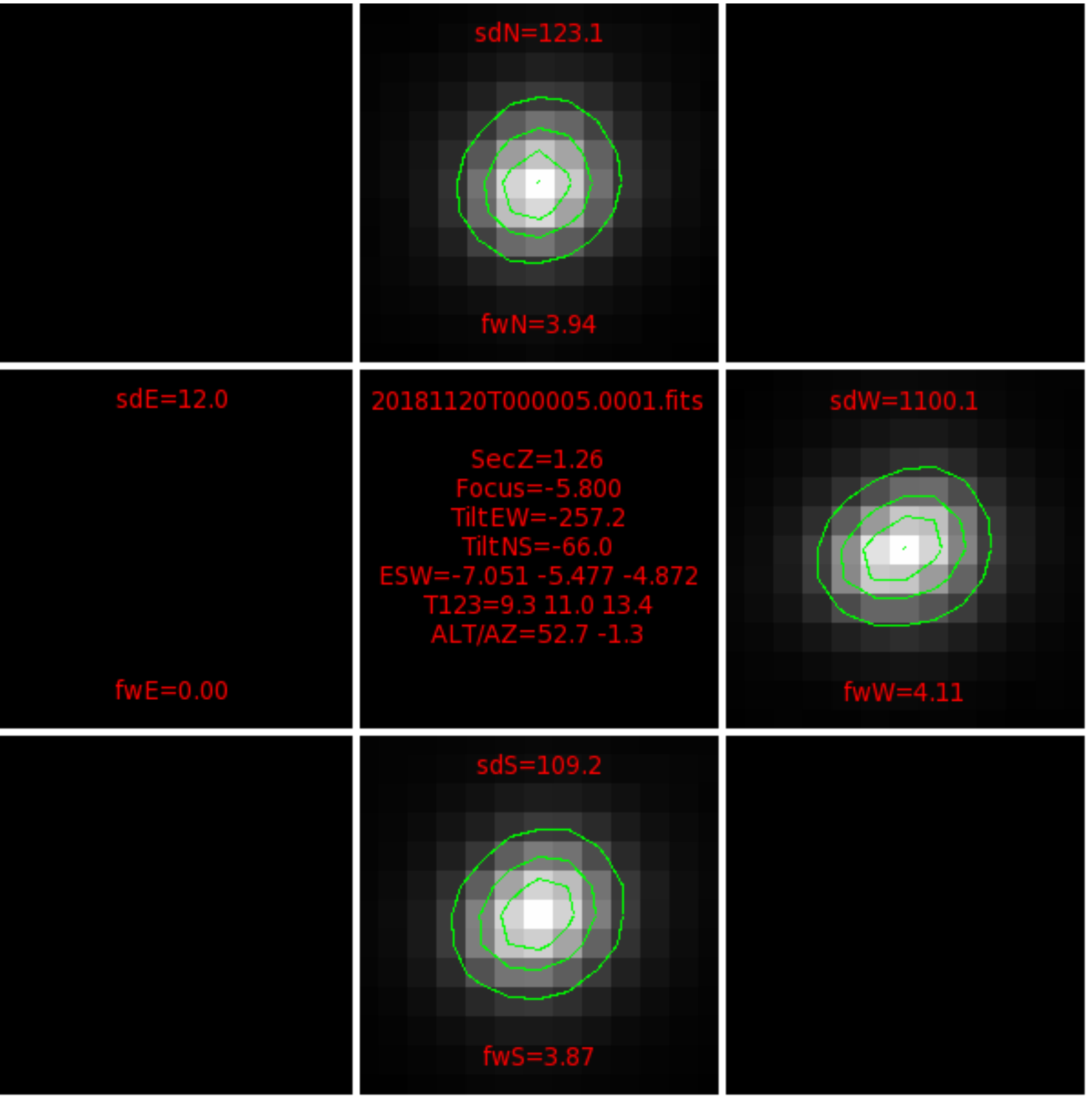
sdN=123.1
fwN=3.94
sdE=12.0
fwE=0.00
20181120T000005.0001.fits
SecZ=1.26
Focus=-5.800
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.051 -5.477 -4.872
T123=9.3 11.0 13.4
ALT/AZ=52.7 -1.3
sdW=1100.1
fwW=4.11
sdS=109.2
fwS=3.87
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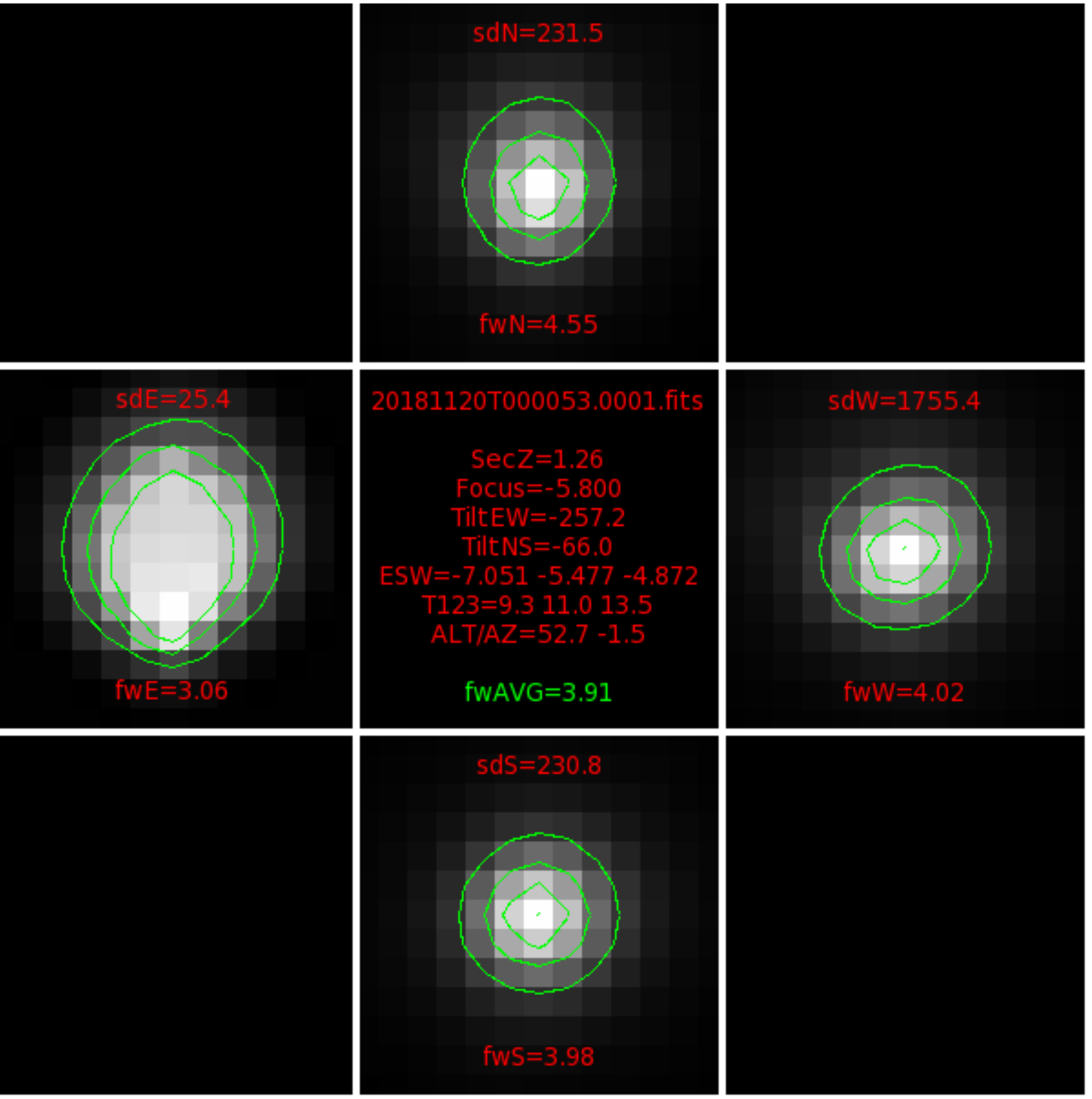
sdN=231.5
fwN=4.55
sdE=25.4
fwE=3.06
20181120T000053.0001.fits
SecZ=1.26
Focus=-5.800
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.051 -5.477 -4.872
T123=9.3 11.0 13.5
ALT/AZ=52.7 -1.5
fwAVG=3.91
sdW=1755.4
fwW=4.02
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fwS=3.98
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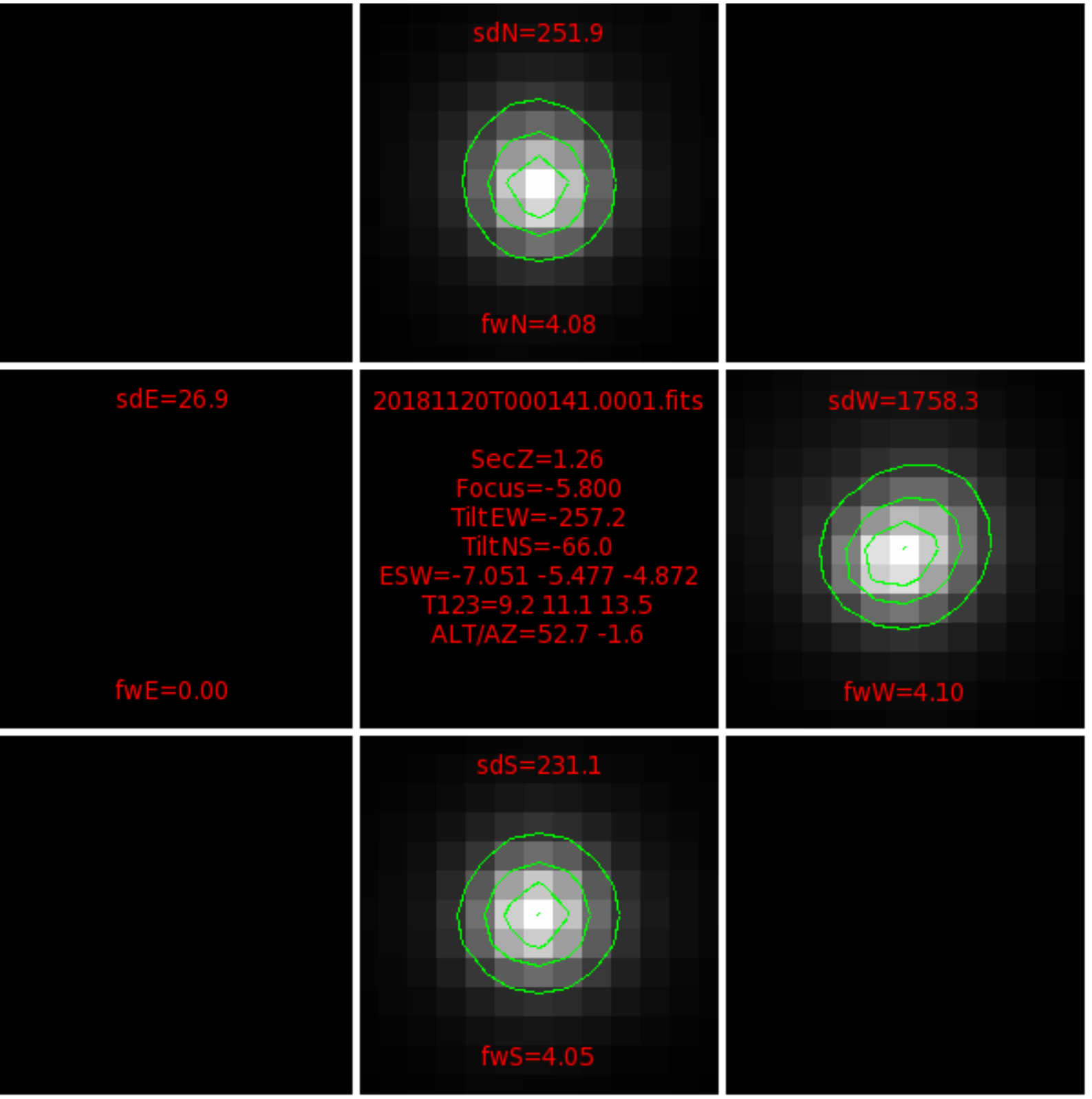
sdN=251.9
fwN=4.08
sdE=26.9
fwE=0.00
20181120T000141.0001.fits
SecZ=1.26
Focus=-5.800
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.051 -5.477 -4.872
T123=9.2 11.1 13.5
ALT/AZ=52.7 -1.6
sdW=1758.3
fwW=4.10
sdS=231.1
fwS=4.05
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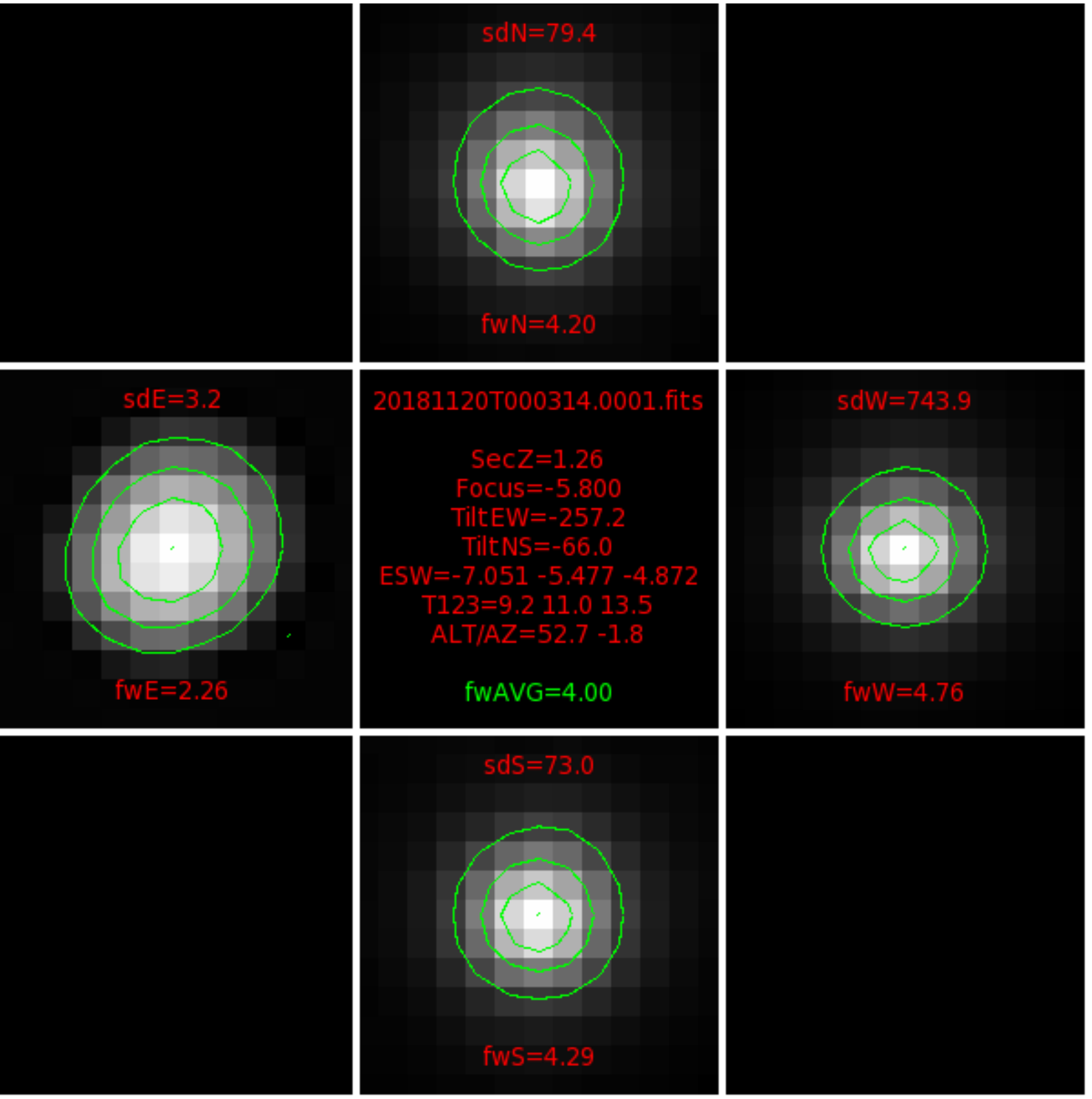
sdN=79.4
fwN=4.20
sdE=3.2
fwE=2.26
20181120T000314.0001.fits
SecZ=1.26
Focus=-5.800
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.051 -5.477 -4.872
T123=9.2 11.0 13.5
ALT/AZ=52.7 -1.8
fwAVG=4.00
sdW=743.9
fwW=4.76
sdS=73.0
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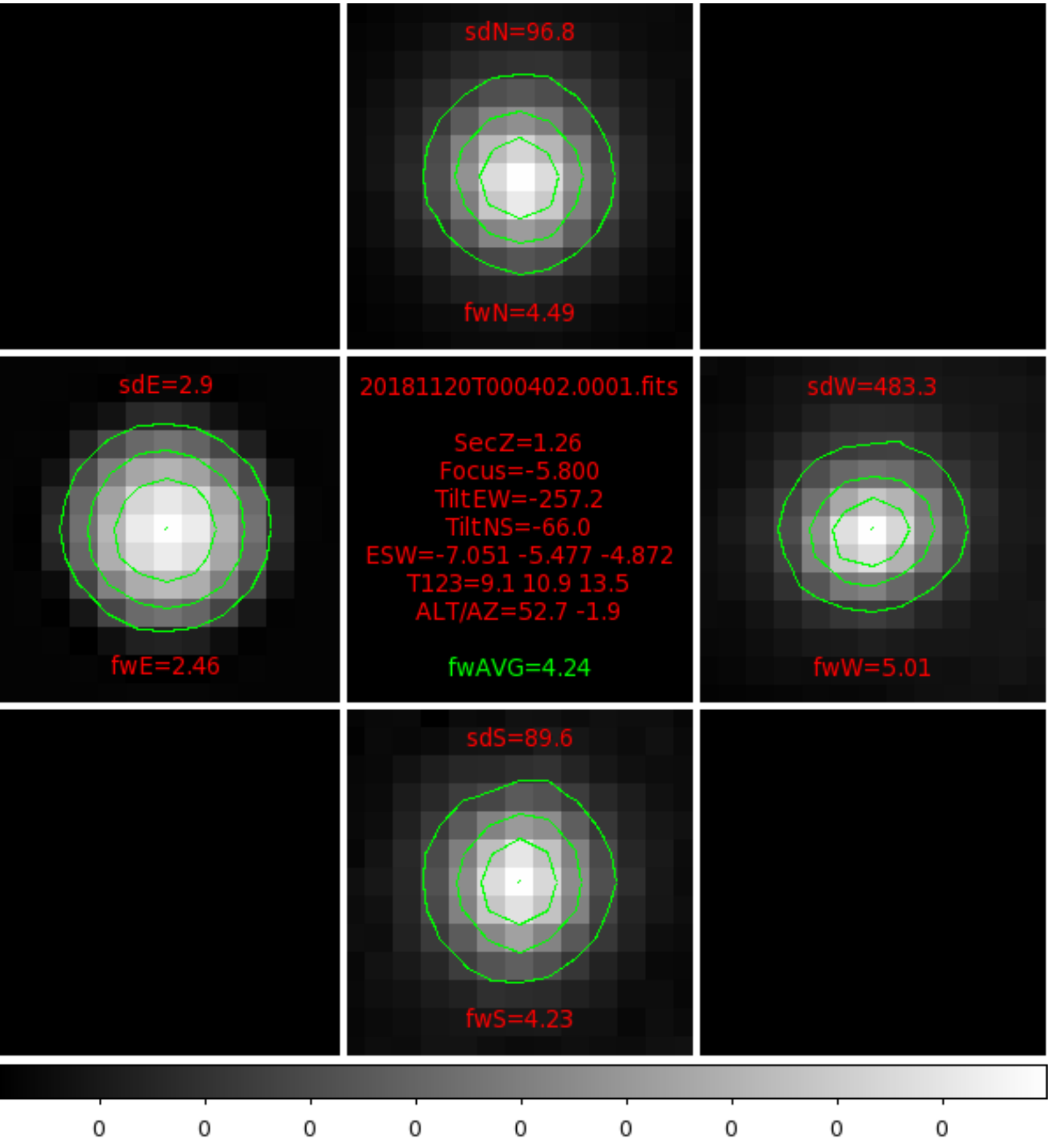
sdN=96.8
fwN=4.49
sdE=2.9
fwE=2.46
20181120T000402.0001.fits
SecZ=1.26
Focus=-5.800
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.051 -5.477 -4.872
T123=9.1 10.9 13.5
ALT/AZ=52.7 -1.9
fwAVG=4.24
sdW=483.3
fwW=5.01
sdS=89.6
fwS=4.23
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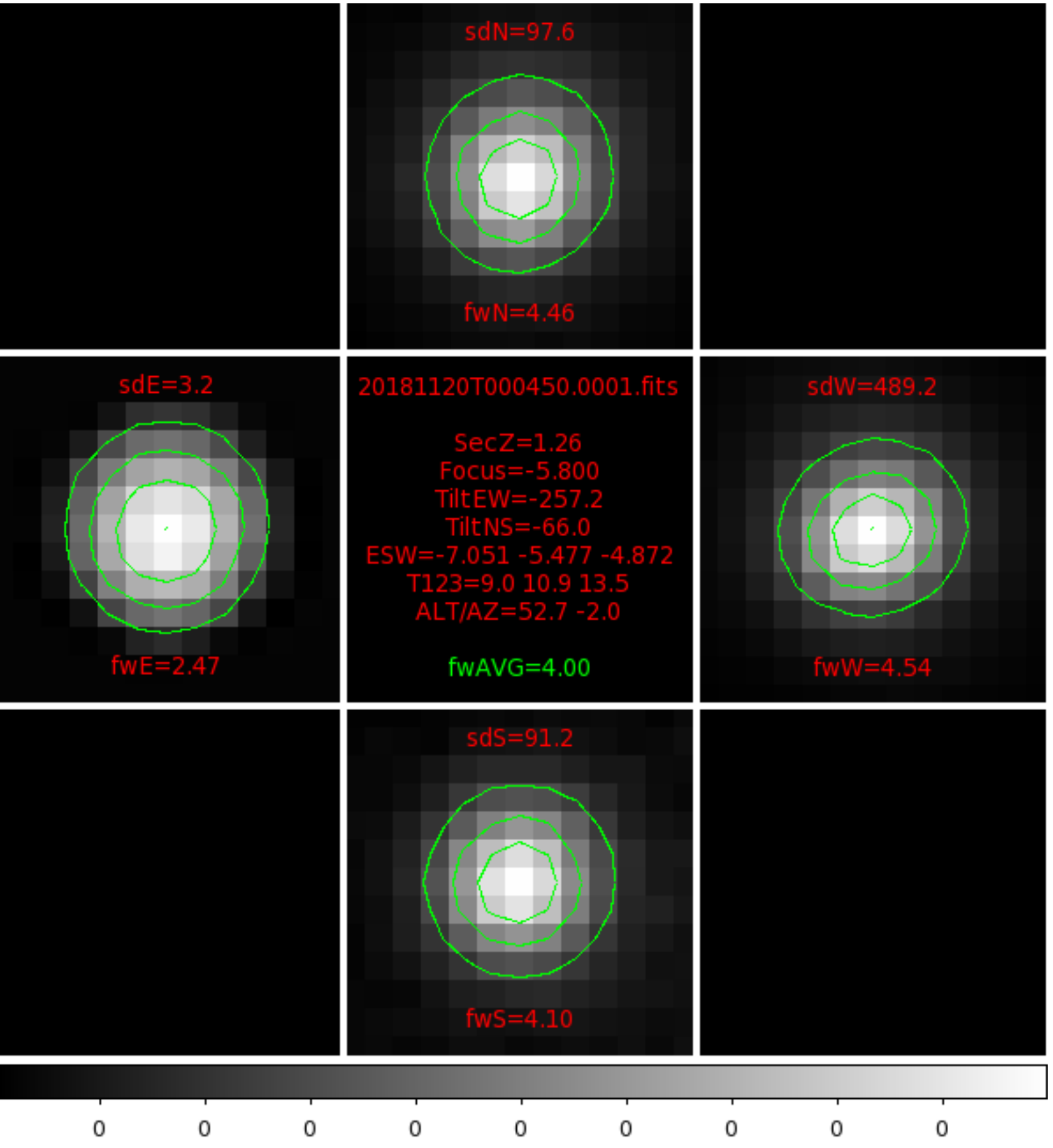
sdN=97.6
fwN=4.46
sdE=3.2
fwE=2.47
20181120T000450.0001.fits
SecZ=1.26
Focus=-5.800
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.051 -5.477 -4.872
T123=9.0 10.9 13.5
ALT/AZ=52.7 -2.0
fwAVG=4.00
sdW=489.2
fwW=4.54
sdS=91.2
fwS=4.10
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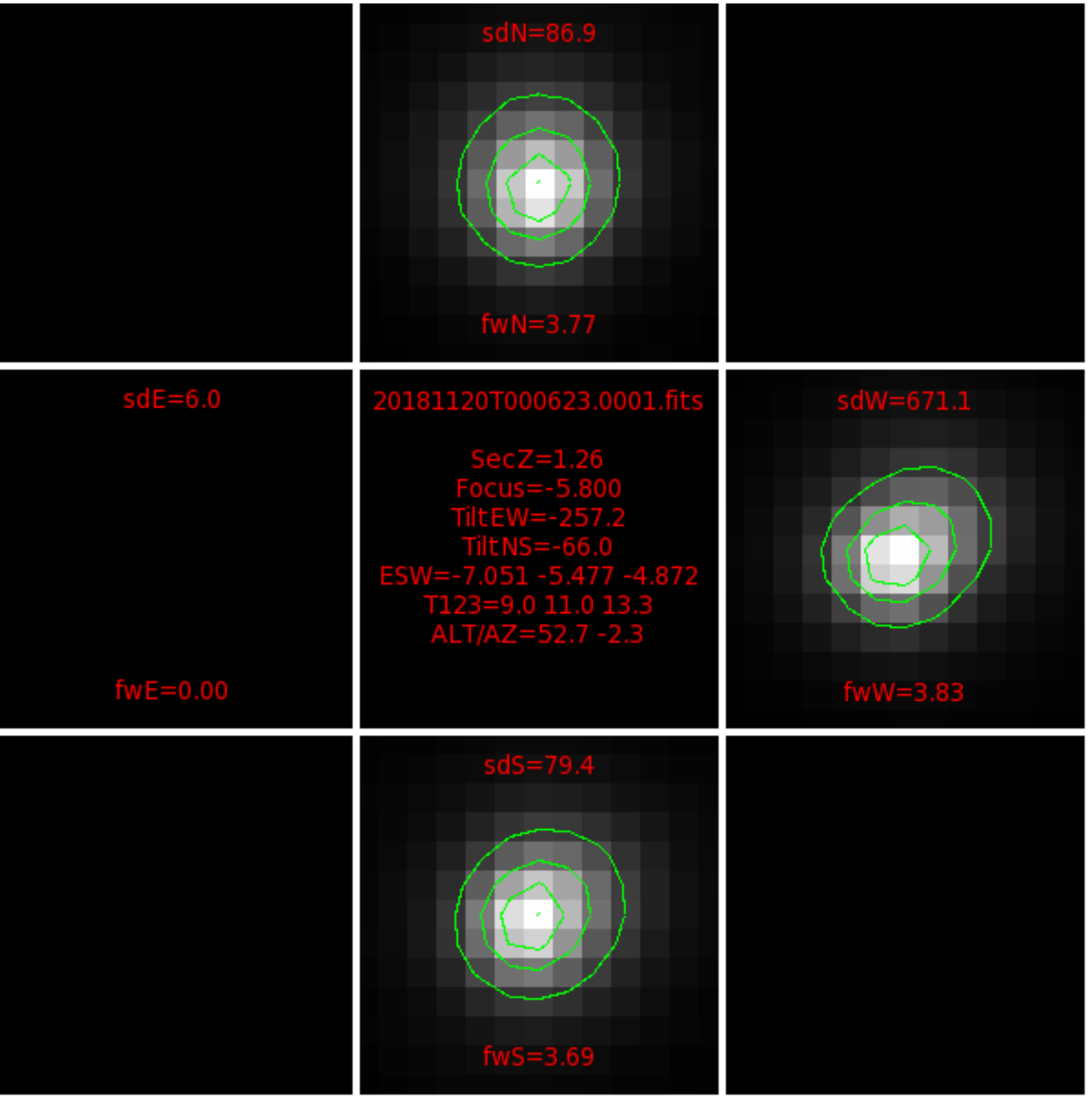
sdN=86.9
fwN=3.77
sdE=6.0
fwE=0.00
20181120T000623.0001.fits
SecZ=1.26
Focus=-5.800
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.051 -5.477 -4.872
T123=9.0 11.0 13.3
ALT/AZ=52.7 -2.3
sdW=671.1
fwW=3.83
sdS=79.4
fwS=3.69
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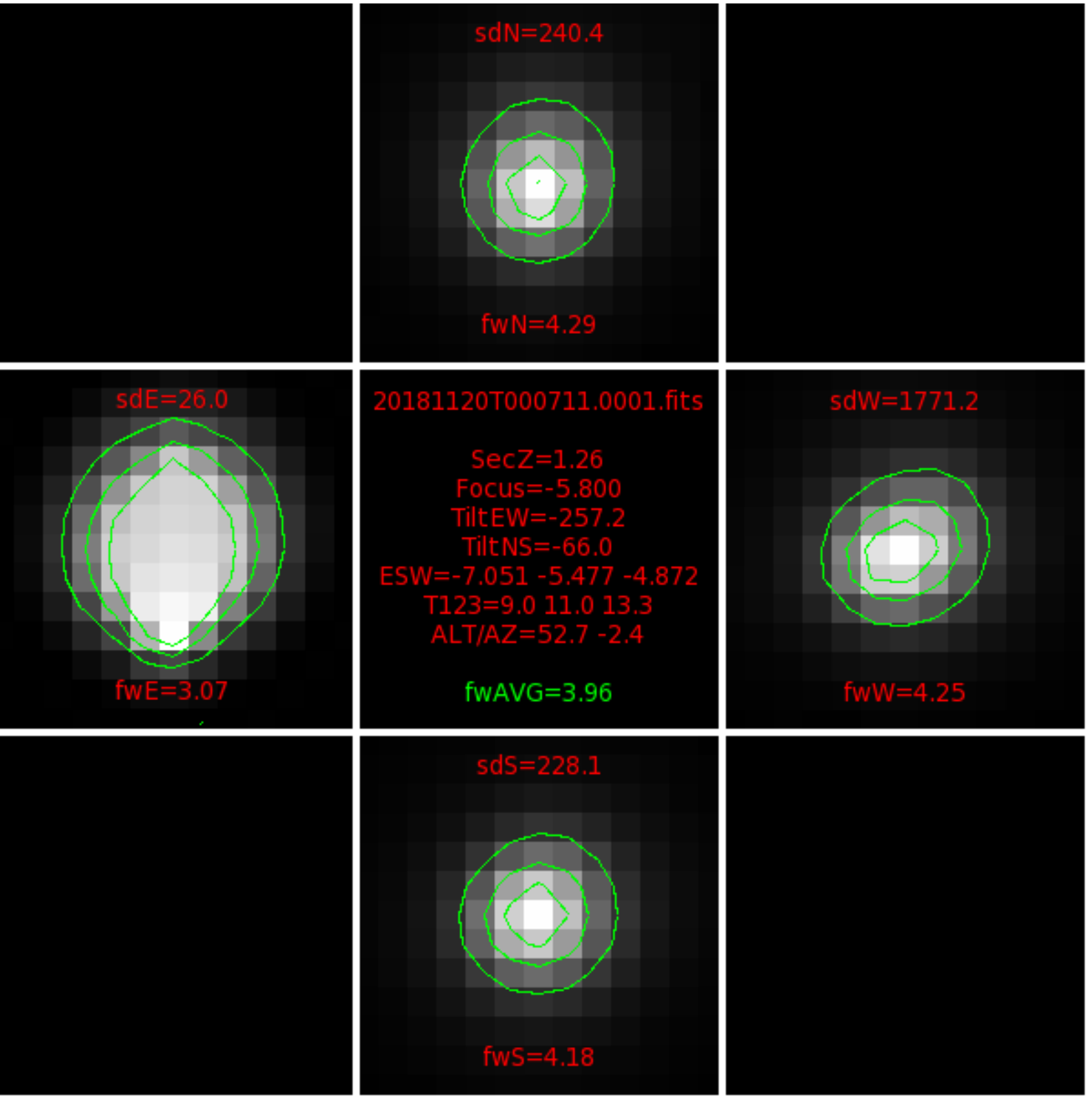
sdN=240.4
fwN=4.29
sdE=26.0
fwE=3.07
20181120T000711.0001.fits
SecZ=1.26
Focus=-5.800
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.051 -5.477 -4.872
T123=9.0 11.0 13.3
ALT/AZ=52.7 -2.4
fwAVG=3.96
sdW=1771.2
fwW=4.25
sdS=228.1
fwS=4.18
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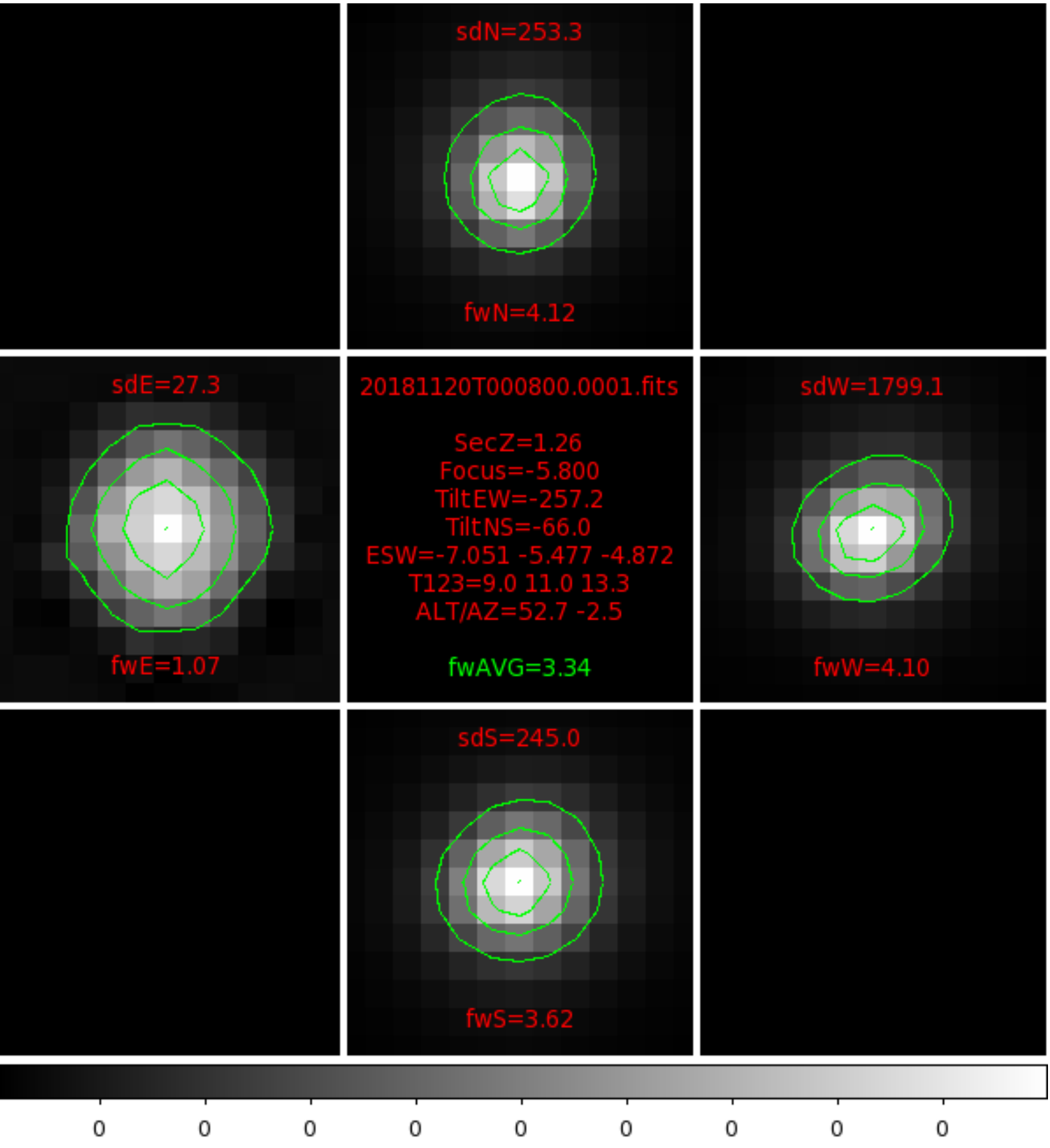
sdN=253.3
fwN=4.12
sdE=27.3
fwE=1.07
20181120T000800.0001.fits
SecZ=1.26
Focus=-5.800
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.051 -5.477 -4.872
T123=9.0 11.0 13.3
ALT/AZ=52.7 -2.5
fwAVG=3.34
sdW=1799.1
fwW=4.10
sdS=245.0
fwS=3.62
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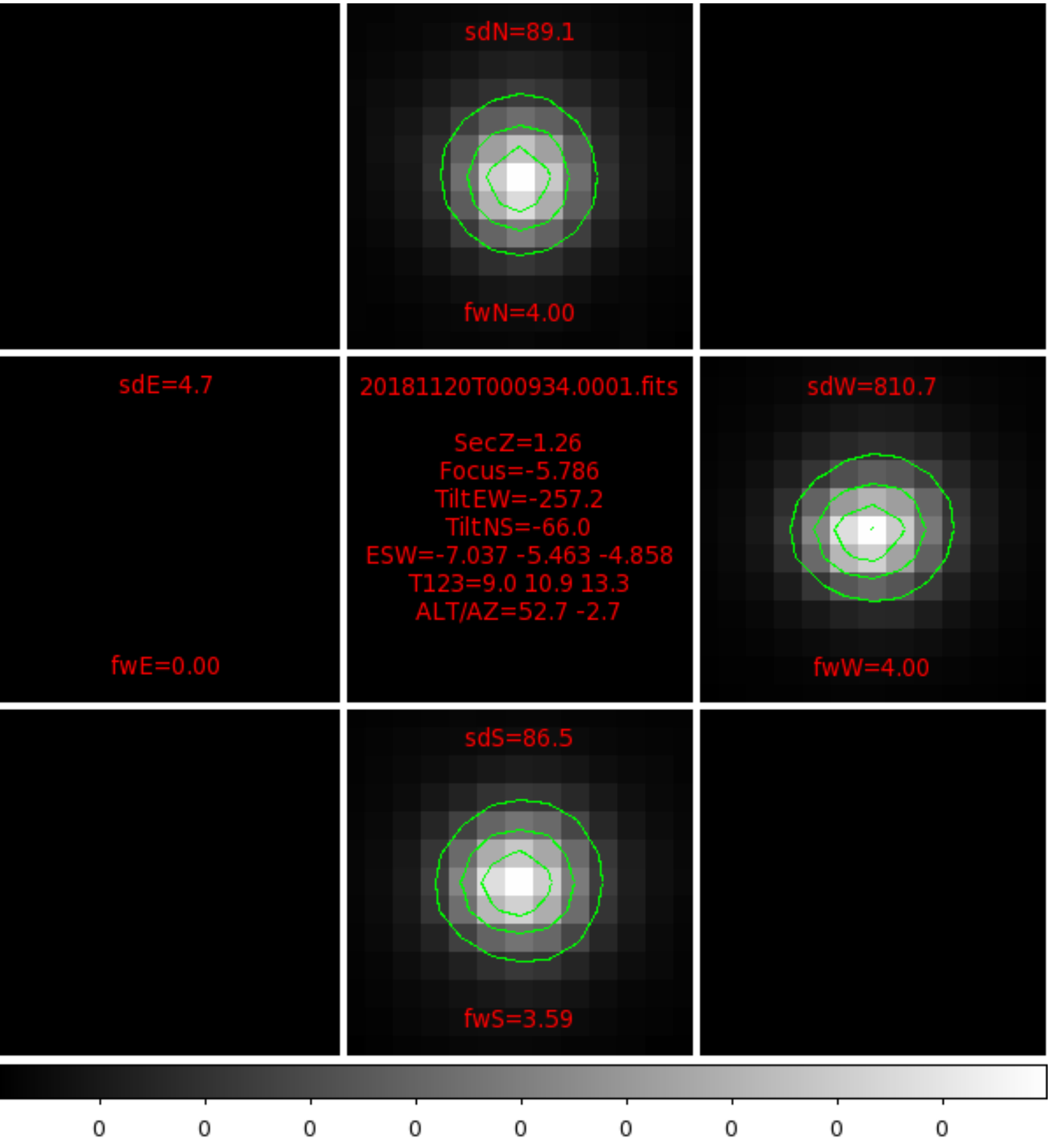
sdN=89.1
fwN=4.00
sdE=4.7
fwE=0.00
20181120T000934.0001.fits
SecZ=1.26
Focus=-5.786
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.037 -5.463 -4.858
T123=9.0 10.9 13.3
ALT/AZ=52.7 -2.7
sdW=810.7
fwW=4.00
sdS=86.5
fwS=3.59
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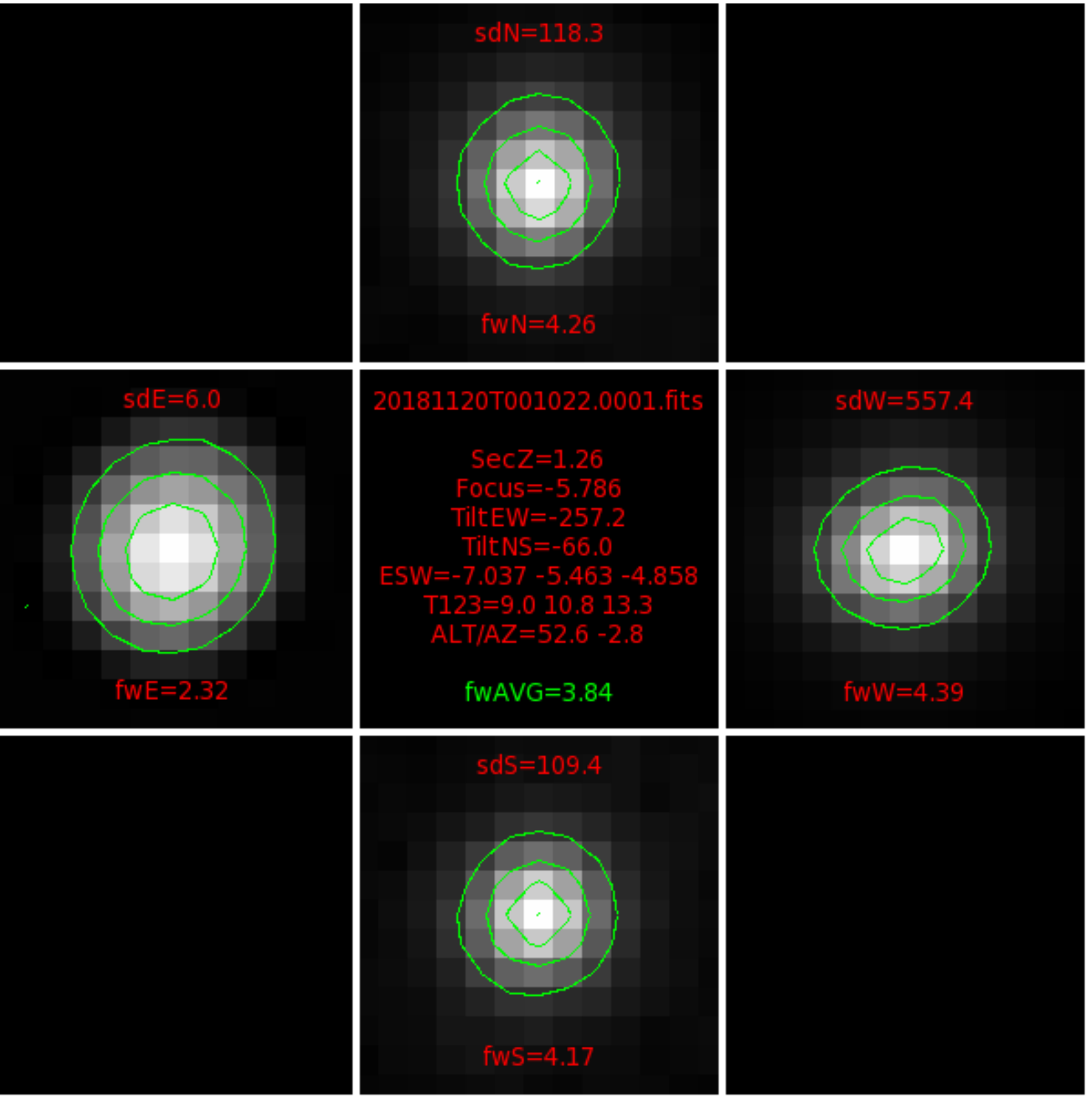
sdN=118.3
fwN=4.26
sdE=6.0
fwE=2.32
20181120T001022.0001.fits
SecZ=1.26
Focus=-5.786
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.037 -5.463 -4.858
T123=9.0 10.8 13.3
ALT/AZ=52.6 -2.8
fwAVG=3.84
sdW=557.4
fwW=4.39
sdS=109.4
fwS=4.17
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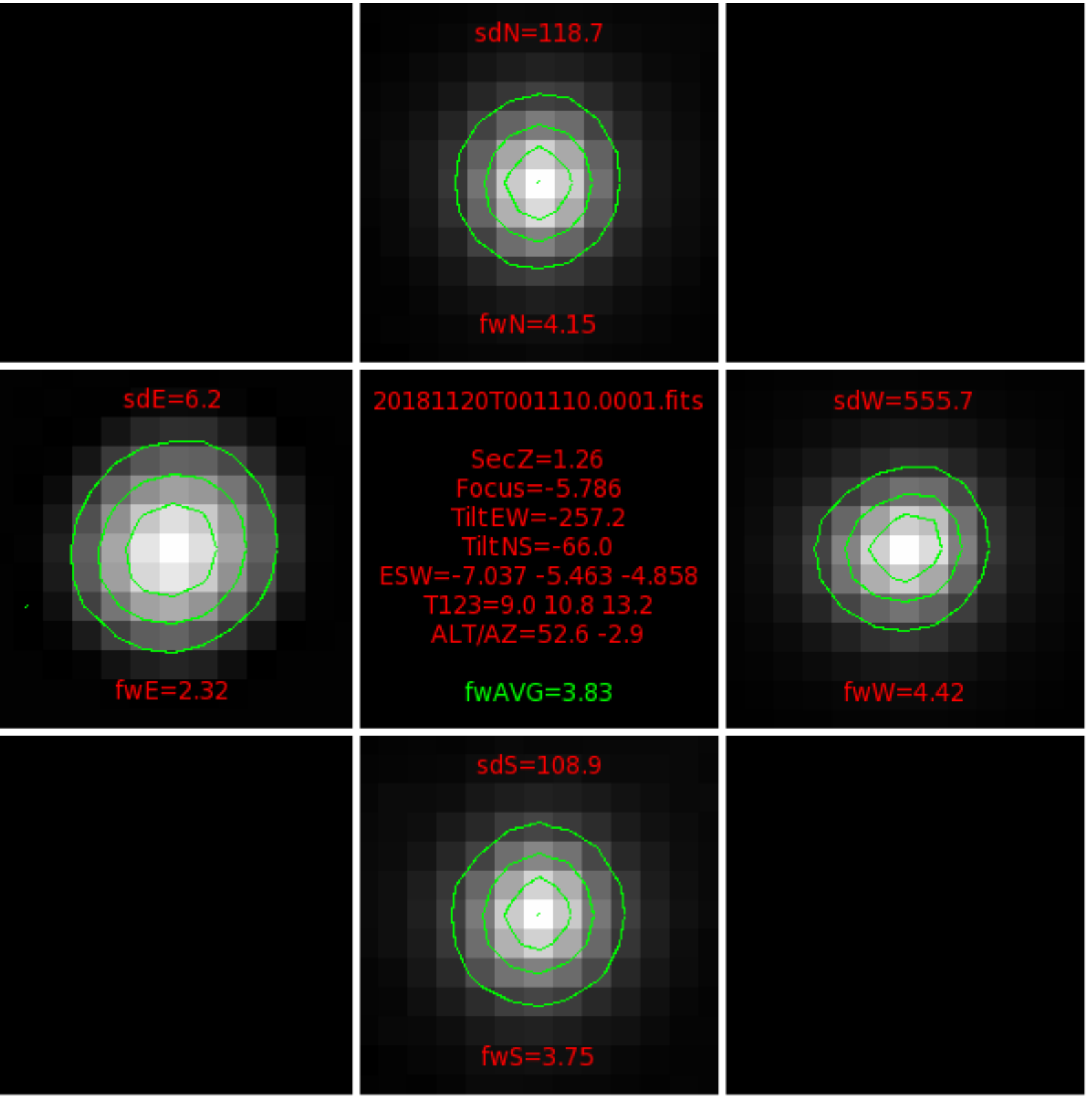
sdN=118.7
fwN=4.15
sdE=6.2
fwE=2.32
20181120T001110.0001.fits
SecZ=1.26
Focus=-5.786
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.037 -5.463 -4.858
T123=9.0 10.8 13.2
ALT/AZ=52.6 -2.9
fwAVG=3.83
sdW=555.7
fwW=4.42
sdS=108.9
fwS=3.75
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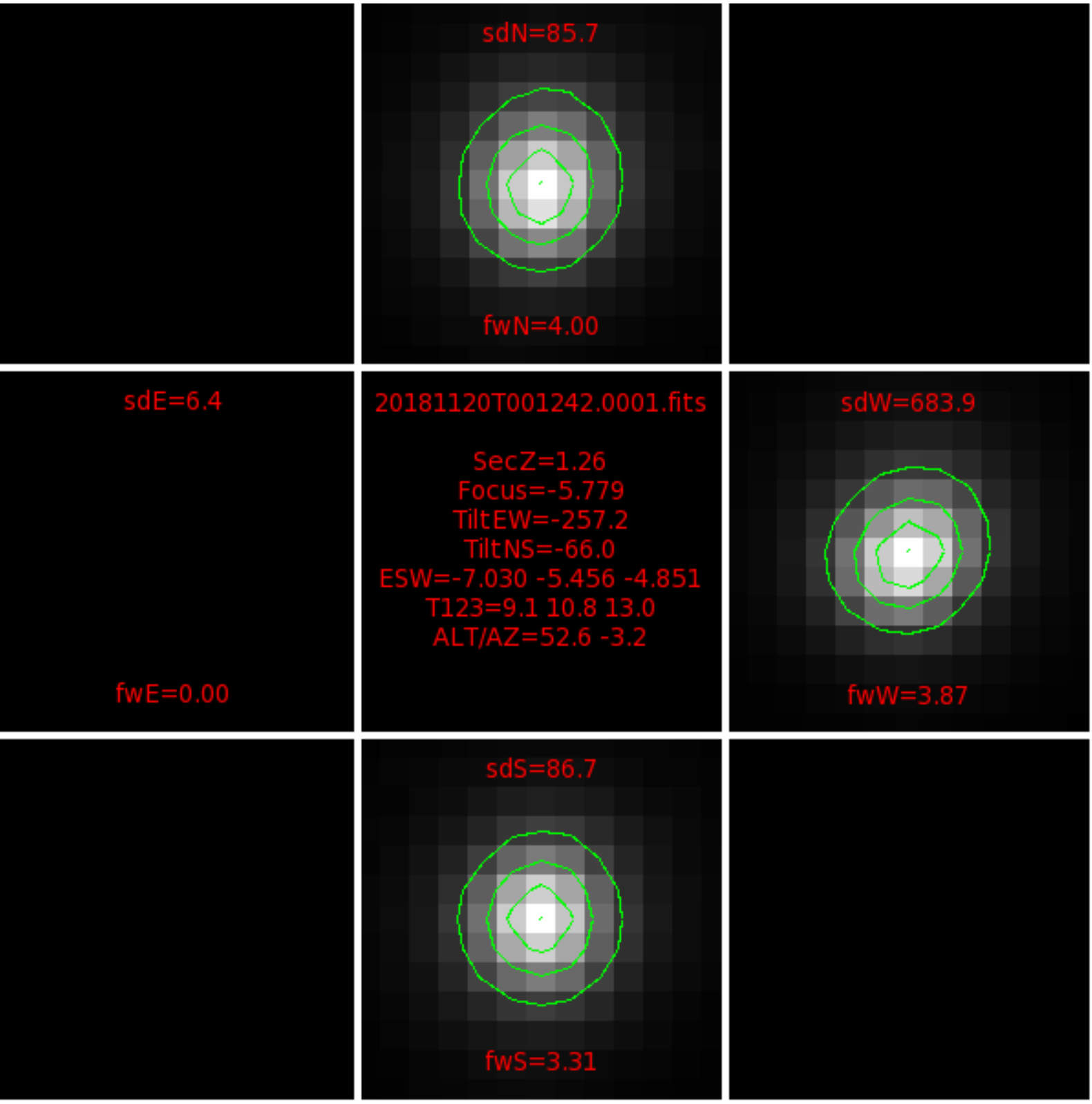
sdN=85.7
fwN=4.00
sdE=6.4
fwE=0.00
20181120T001242.0001.fits
SecZ=1.26
Focus=-5.779
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.030 -5.456 -4.851
T123=9.1 10.8 13.0
ALT/AZ=52.6 -3.2
sdW=683.9
fwW=3.87
sdS=86.7
fwS=3.31
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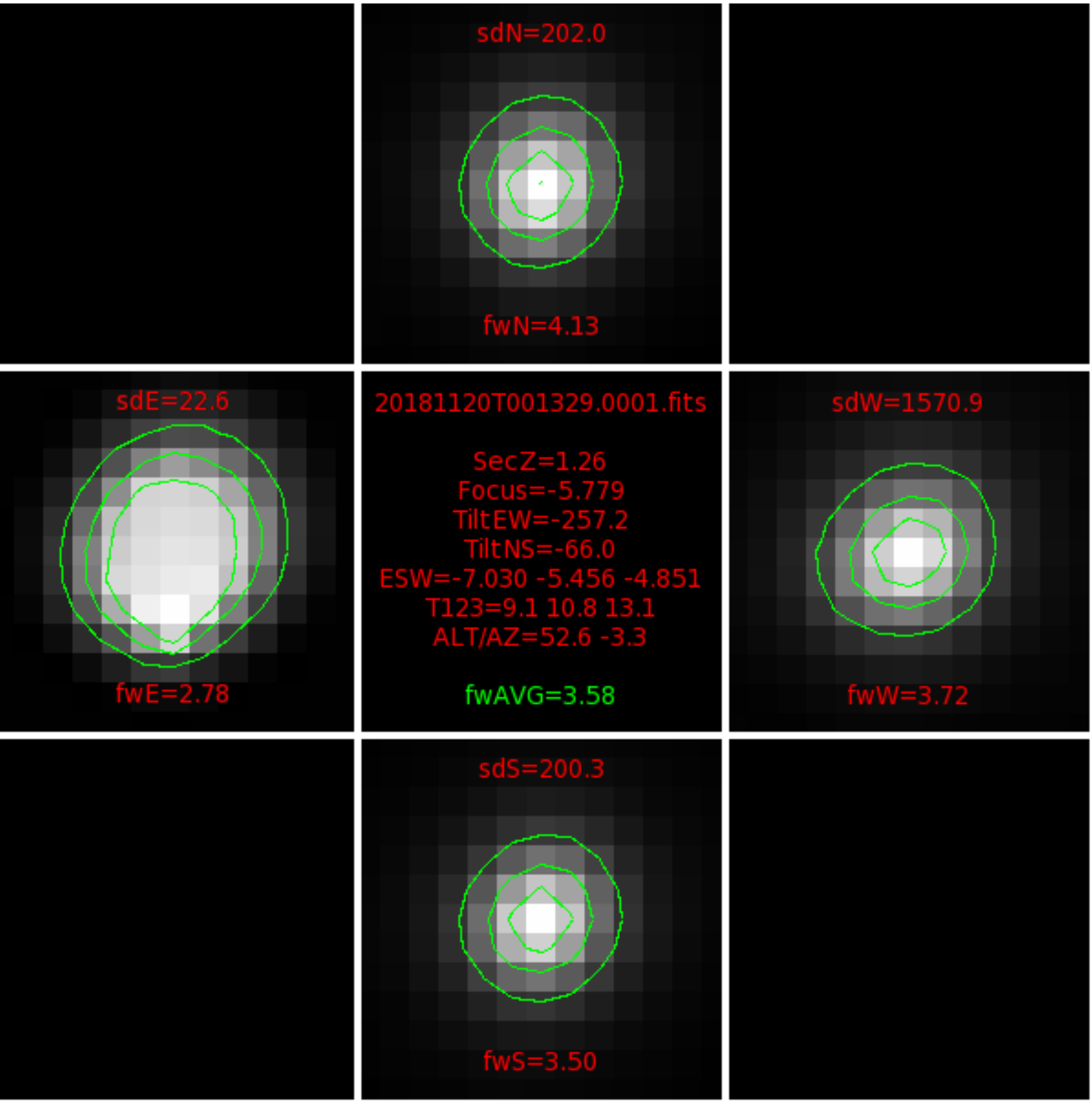
sdN=202.0
fwN=4.13
sdE=22.6
fwE=2.78
20181120T001329.0001.fits
SecZ=1.26
Focus=-5.779
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.030 -5.456 -4.851
T123=9.1 10.8 13.1
ALT/AZ=52.6 -3.3
fwAVG=3.58
sdW=1570.9
fwW=3.72
sdS=200.3
fwS=3.50
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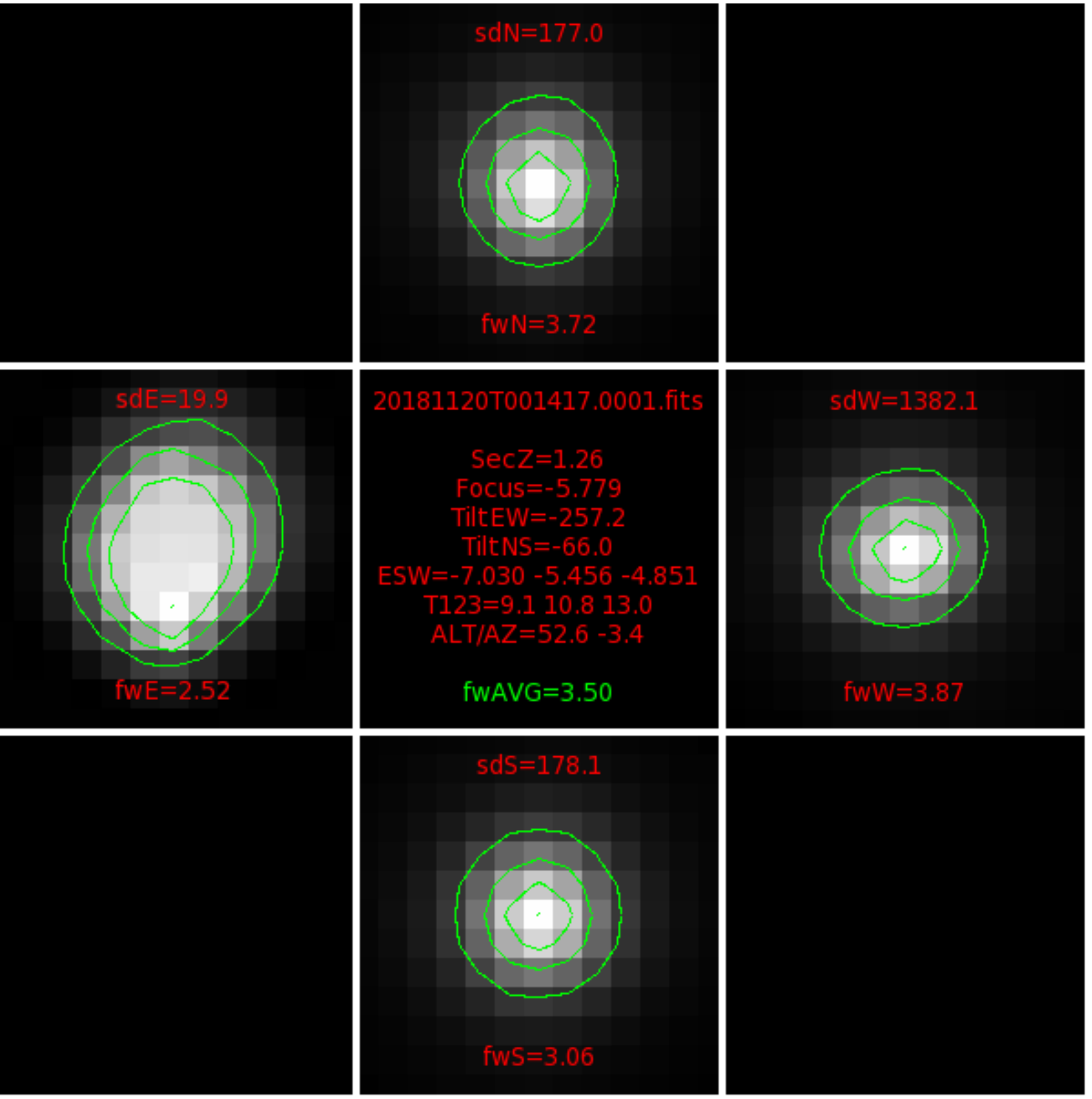
sdN=177.0
fwN=3.72
sdE=19.9
fwE=2.52
20181120T001417.0001.fits
SecZ=1.26
Focus=-5.779
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.030 -5.456 -4.851
T123=9.1 10.8 13.0
ALT/AZ=52.6 -3.4
fwAVG=3.50
sdW=1382.1
fwW=3.87
sdS=178.1
fwS=3.06
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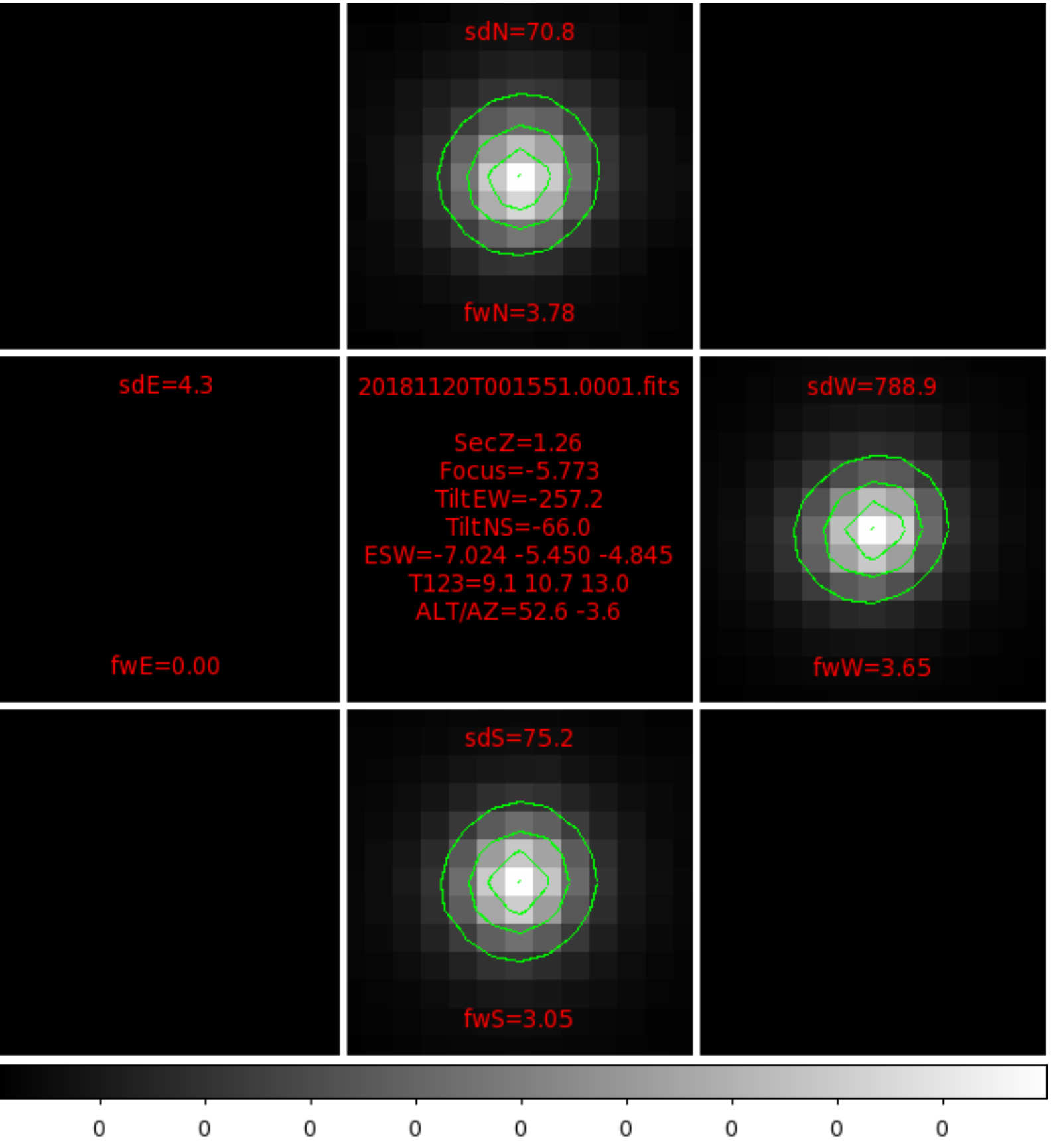
sdN=70.8
fwN=3.78
sdE=4.3
fwE=0.00
20181120T001551.0001.fits
SecZ=1.26
Focus=-5.773
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.024 -5.450 -4.845
T123=9.1 10.7 13.0
ALT/AZ=52.6 -3.6
sdW=788.9
fwW=3.65
sdS=75.2
fwS=3.05
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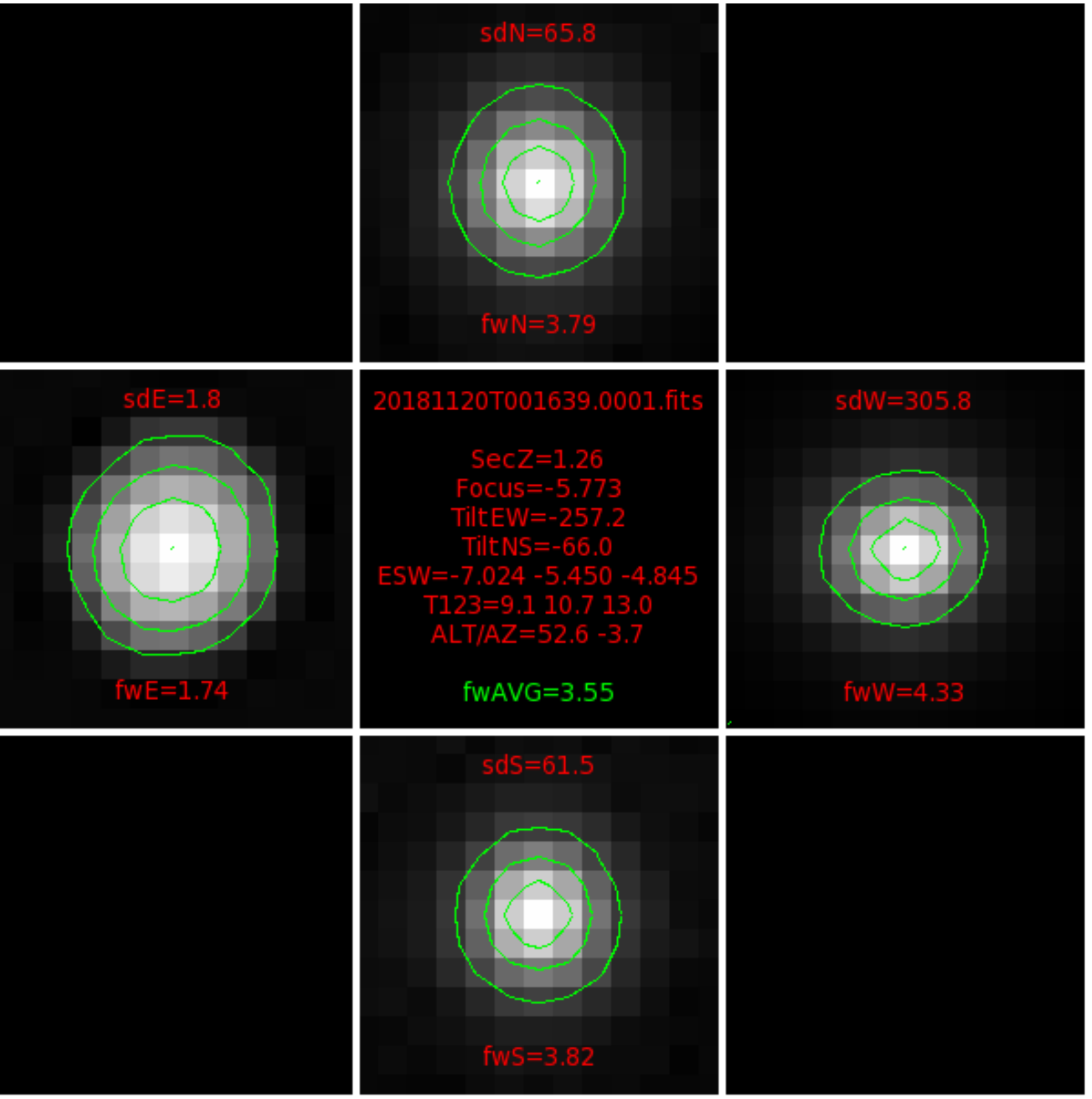
sdN=65.8
fwN=3.79
sdE=1.8
fwE=1.74
20181120T001639.0001.fits
SecZ=1.26
Focus=-5.773
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.024 -5.450 -4.845
T123=9.1 10.7 13.0
ALT/AZ=52.6 -3.7
fwAVG=3.55
sdW=305.8
fwW=4.33
sdS=61.5
fwS=3.82
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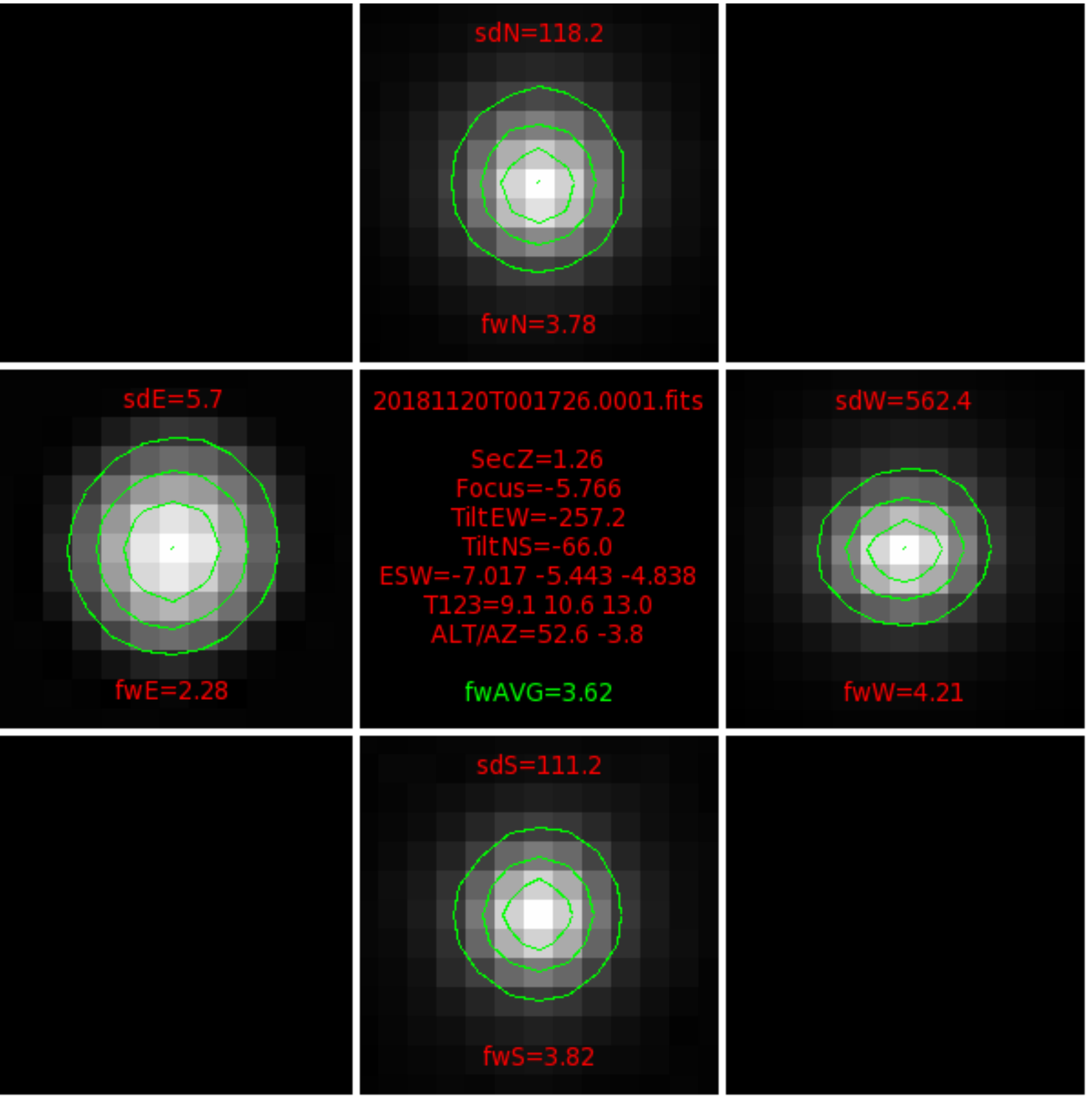
sdN=118.2
fwN=3.78
sdE=5.7
fwE=2.28
20181120T001726.0001.fits
SecZ=1.26
Focus=-5.766
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.017 -5.443 -4.838
T123=9.1 10.6 13.0
ALT/AZ=52.6 -3.8
fwAVG=3.62
sdW=562.4
fwW=4.21
sdS=111.2
fwS=3.82
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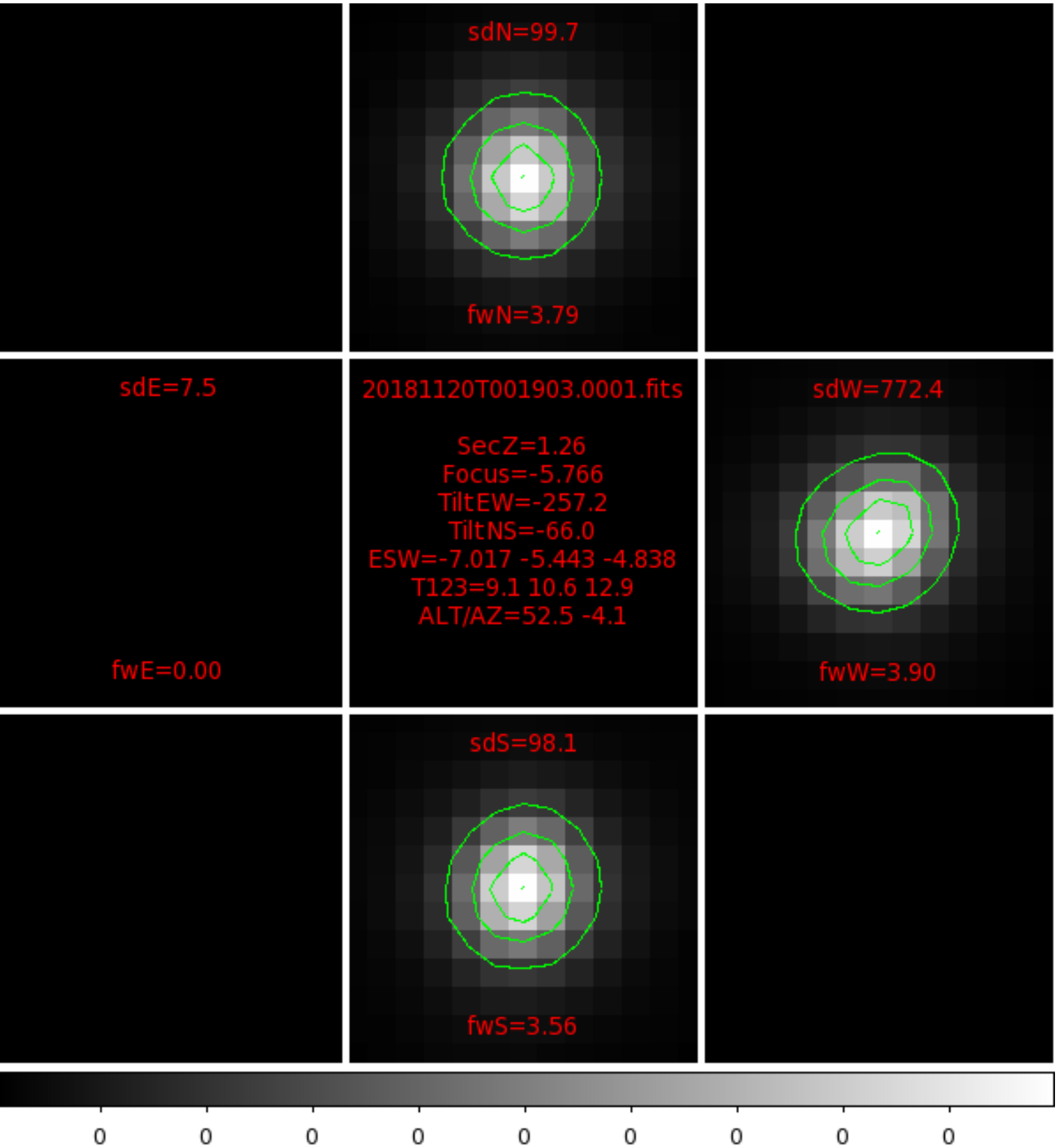
sdN=99.7
fwN=3.79
sdE=7.5
fwE=0.00
20181120T001903.0001.fits
SecZ=1.26
Focus=-5.766
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.017 -5.443 -4.838
T123=9.1 10.6 12.9
ALT/AZ=52.5 -4.1
sdW=772.4
fwW=3.90
sdS=98.1
fwS=3.56
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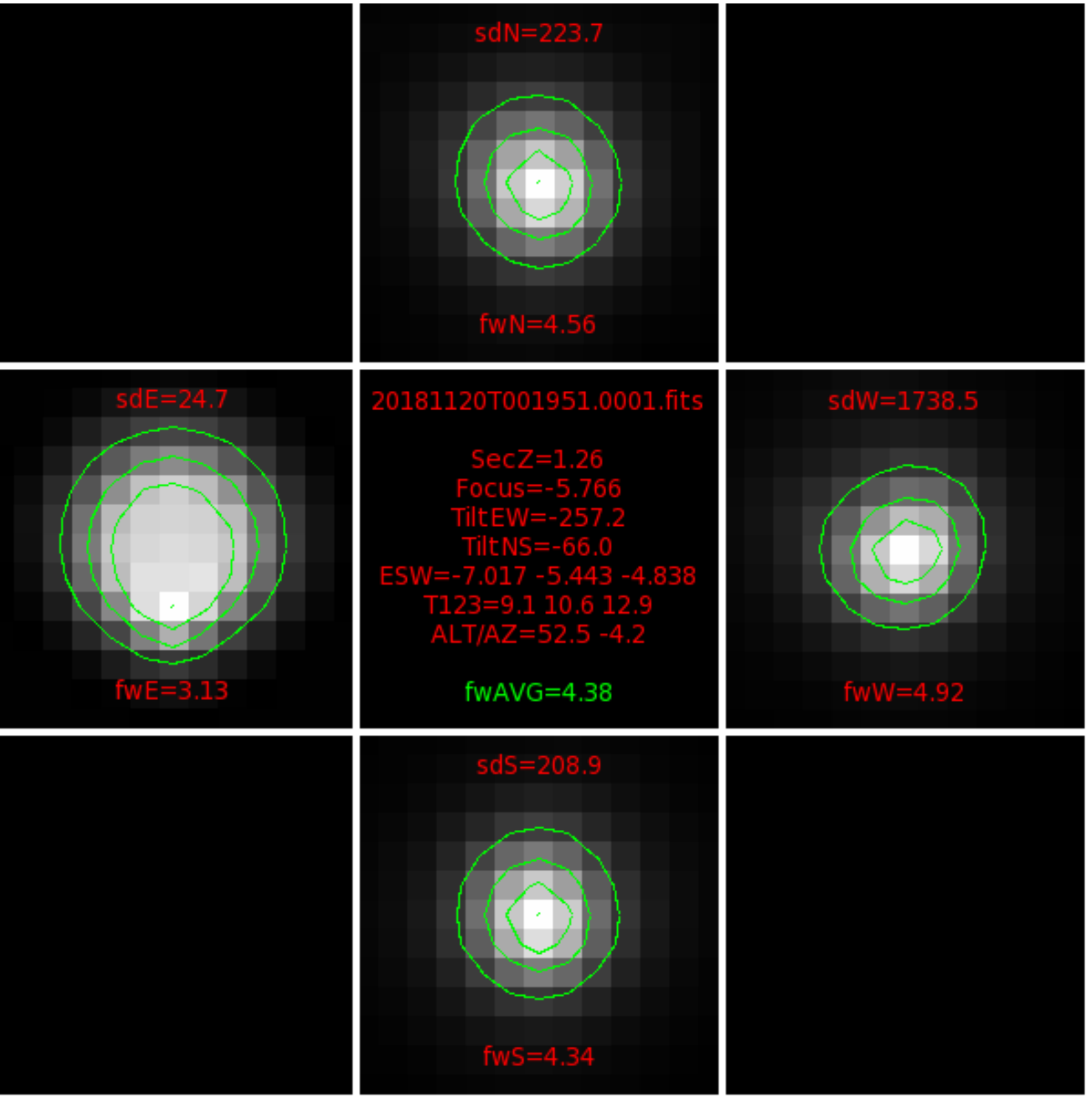
sdN=223.7
fwN=4.56
sdE=24.7
fwE=3.13
20181120T001951.0001.fits
SecZ=1.26
Focus=-5.766
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.017 -5.443 -4.838
T123=9.1 10.6 12.9
ALT/AZ=52.5 -4.2
fwAVG=4.38
sdW=1738.5
fwW=4.92
sdS=208.9
fwS=4.34
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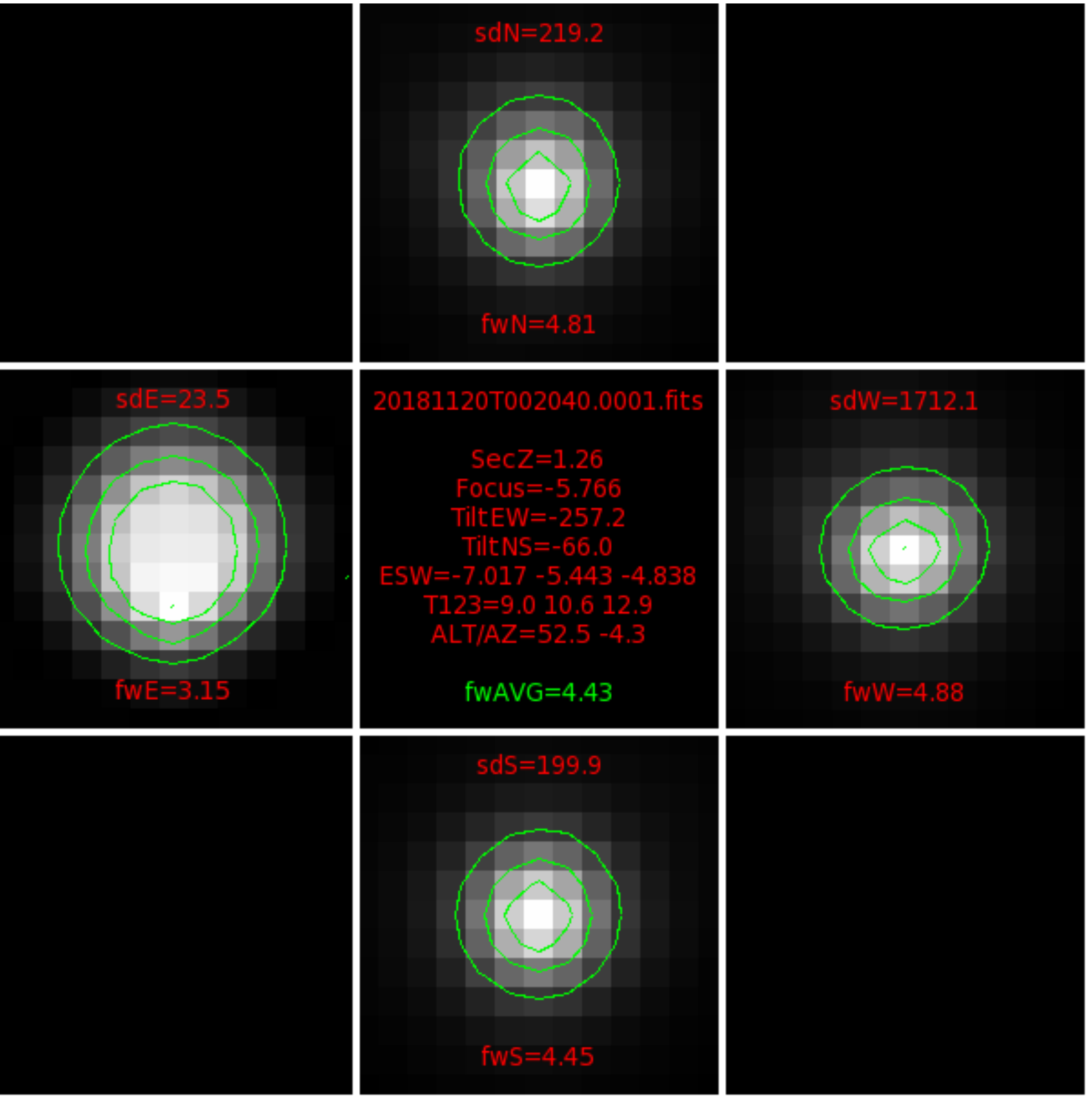
sdN=219.2
fwN=4.81
sdE=23.5
fwE=3.15
20181120T002040.0001.fits
SecZ=1.26
Focus=-5.766
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.017 -5.443 -4.838
T123=9.0 10.6 12.9
ALT/AZ=52.5 -4.3
fwAVG=4.43
sdW=1712.1
fwW=4.88
sdS=199.9
fwS=4.45
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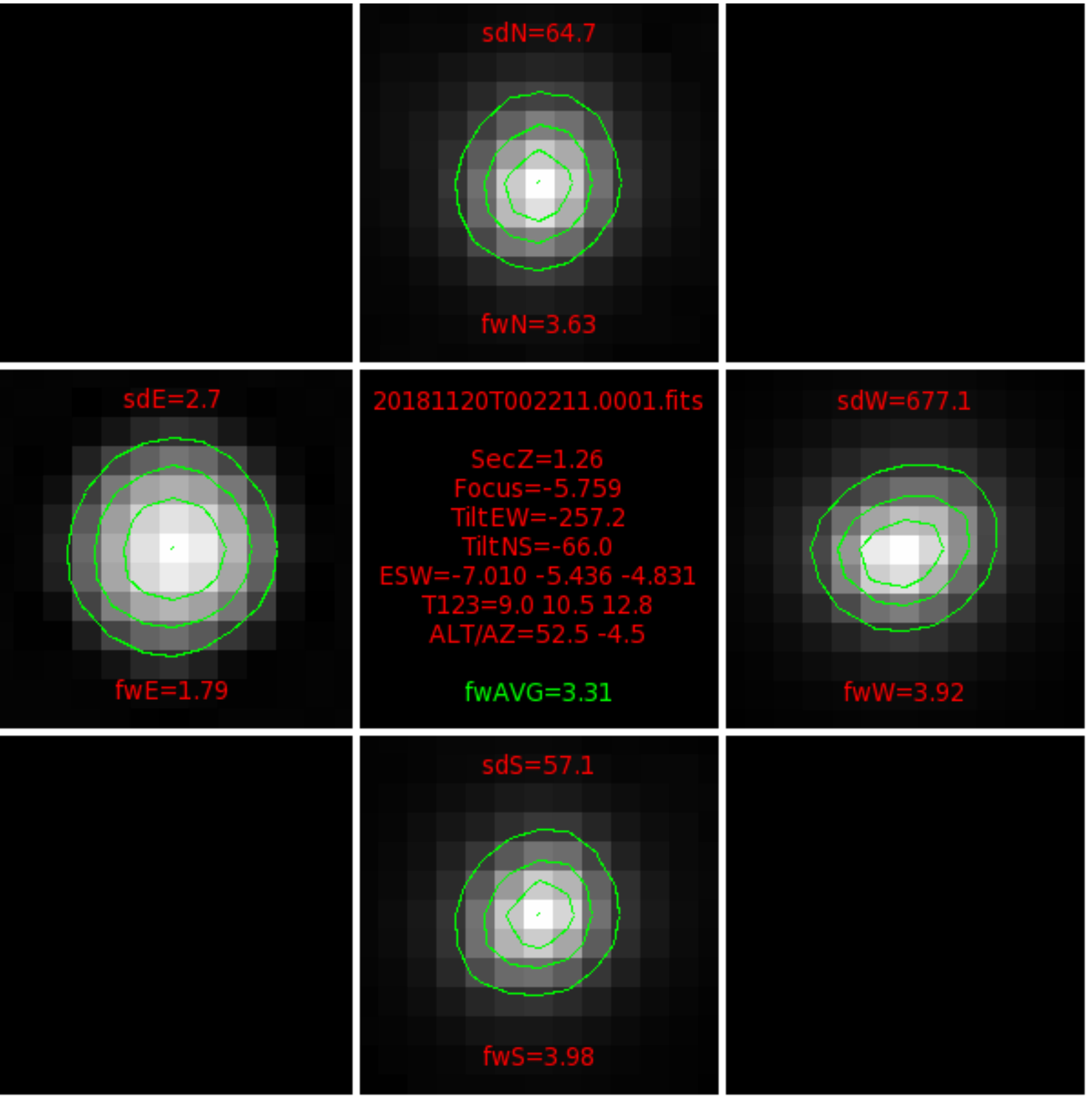
sdN=64.7
fwN=3.63
sdE=2.7
fwE=1.79
20181120T002211.0001.fits
SecZ=1.26
Focus=-5.759
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.010 -5.436 -4.831
T123=9.0 10.5 12.8
ALT/AZ=52.5 -4.5
fwAVG=3.31
sdW=677.1
fwW=3.92
sdS=57.1
fwS=3.98
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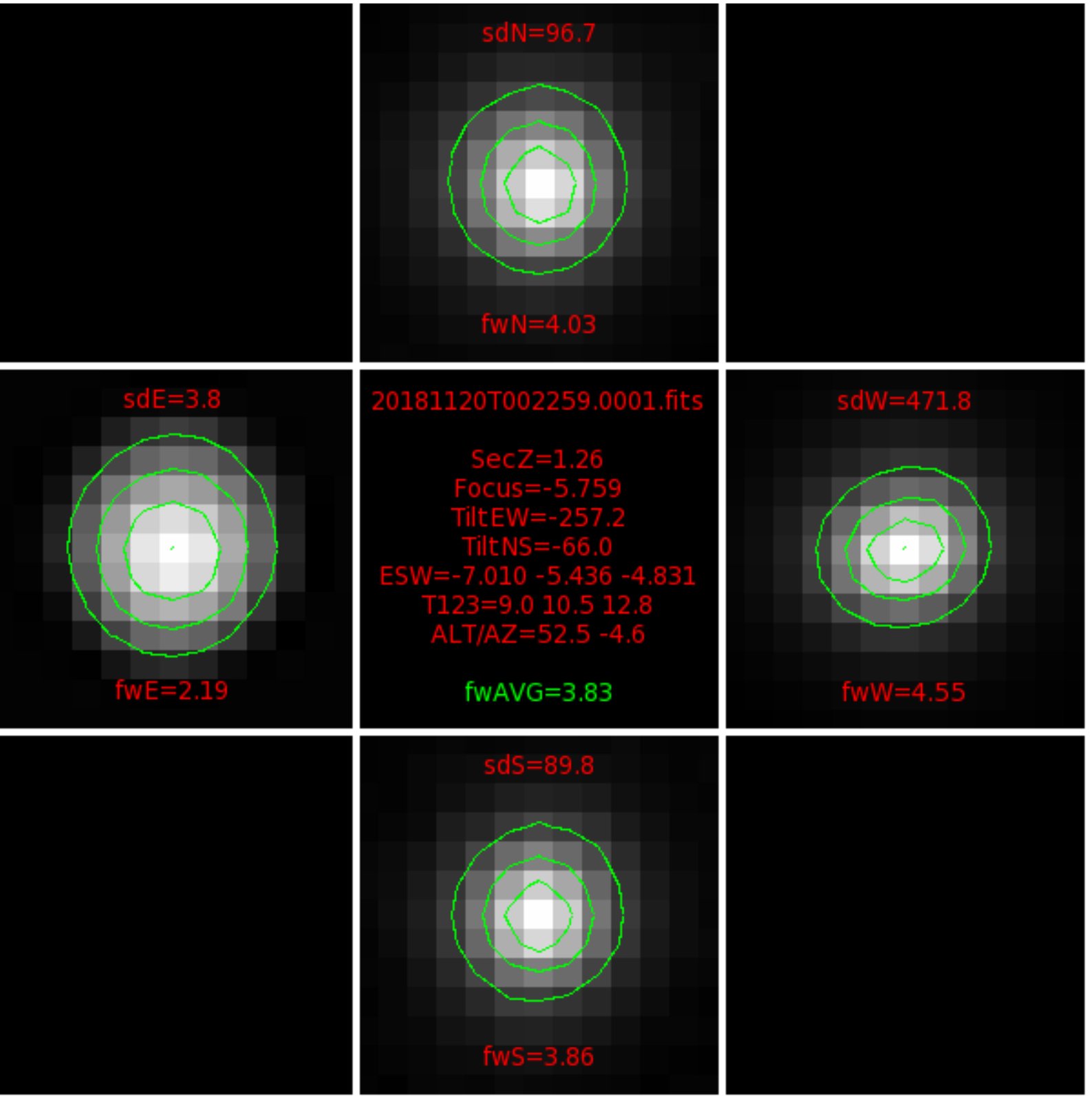
sdN=96.7
fwN=4.03
sdE=3.8
fwE=2.19
20181120T002259.0001.fits
SecZ=1.26
Focus=-5.759
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.010 -5.436 -4.831
T123=9.0 10.5 12.8
ALT/AZ=52.5 -4.6
fwAVG=3.83
sdW=471.8
fwW=4.55
sdS=89.8
fwS=3.86
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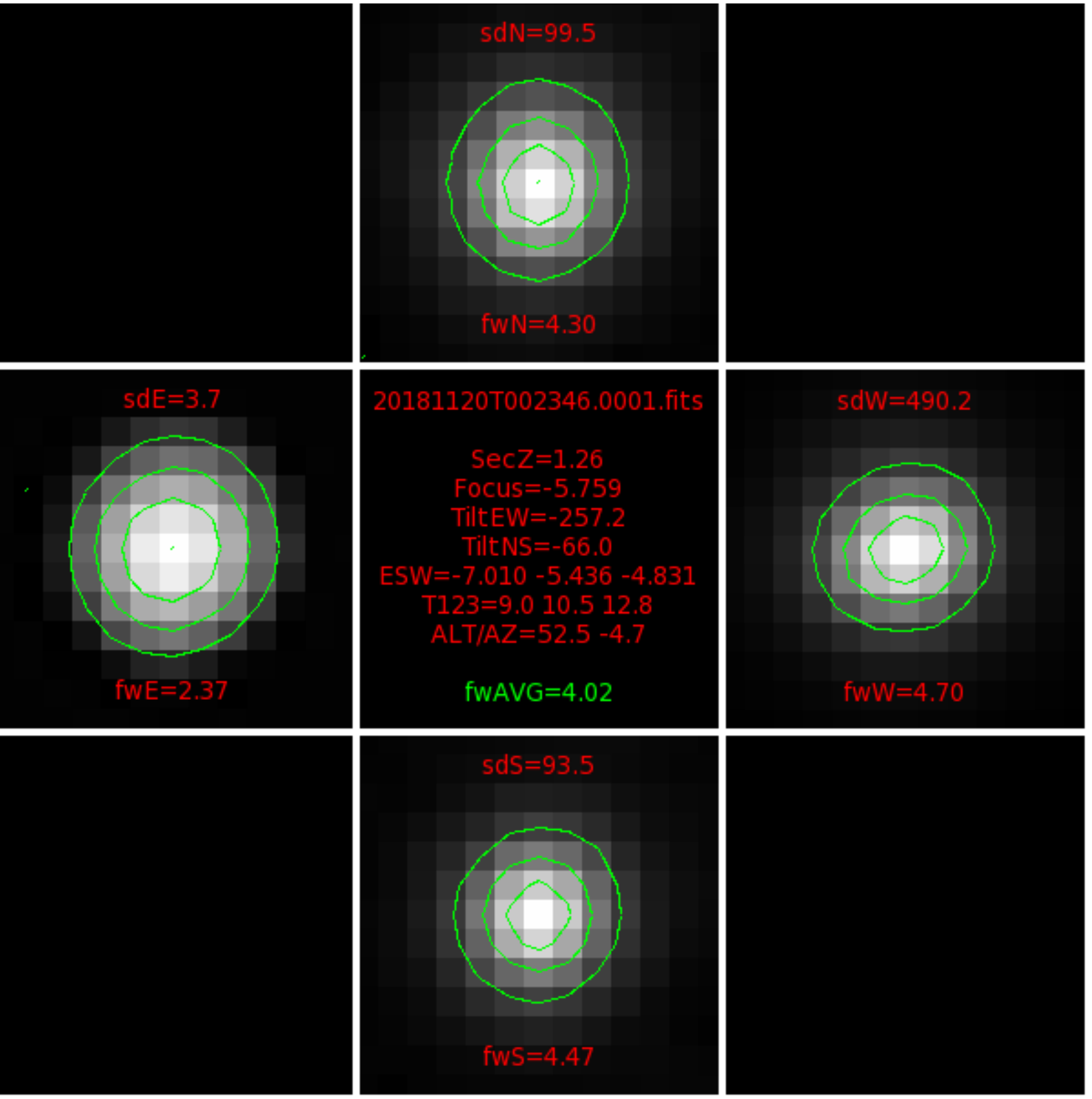
sdN=99.5
fwN=4.30
sdE=3.7
fwE=2.37
20181120T002346.0001.fits
SecZ=1.26
Focus=-5.759
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.010 -5.436 -4.831
T123=9.0 10.5 12.8
ALT/AZ=52.5 -4.7
fwAVG=4.02
sdW=490.2
fwW=4.70
sdS=93.5
fwS=4.47
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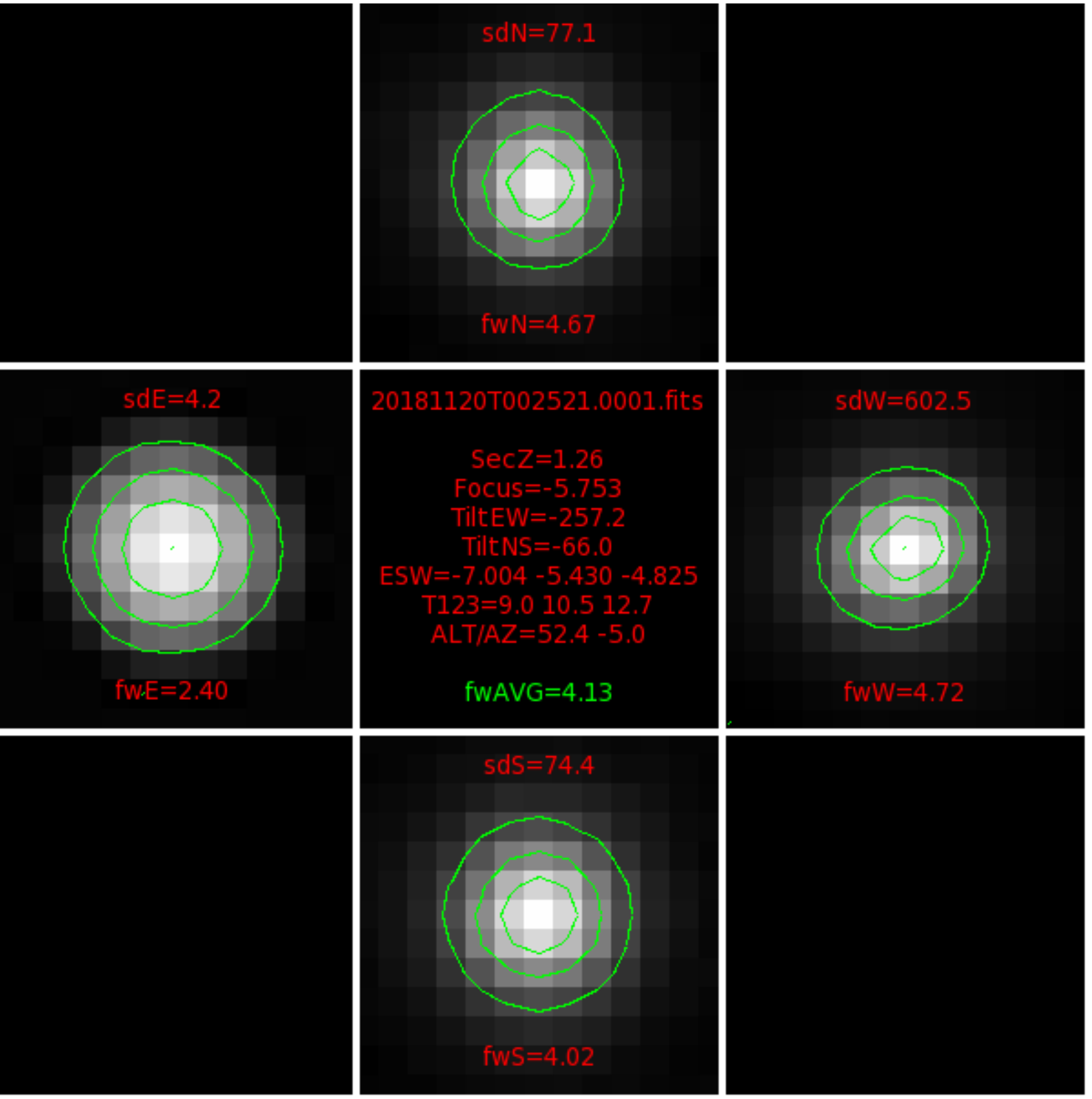
sdN=77.1
fwN=4.67
sdE=4.2
fwE=2.40
20181120T002521.0001.fits
SecZ=1.26
Focus=-5.753
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.004 -5.430 -4.825
T123=9.0 10.5 12.7
ALT/AZ=52.4 -5.0
fwAVG=4.13
sdW=602.5
fwW=4.72
sdS=74.4
fwS=4.02
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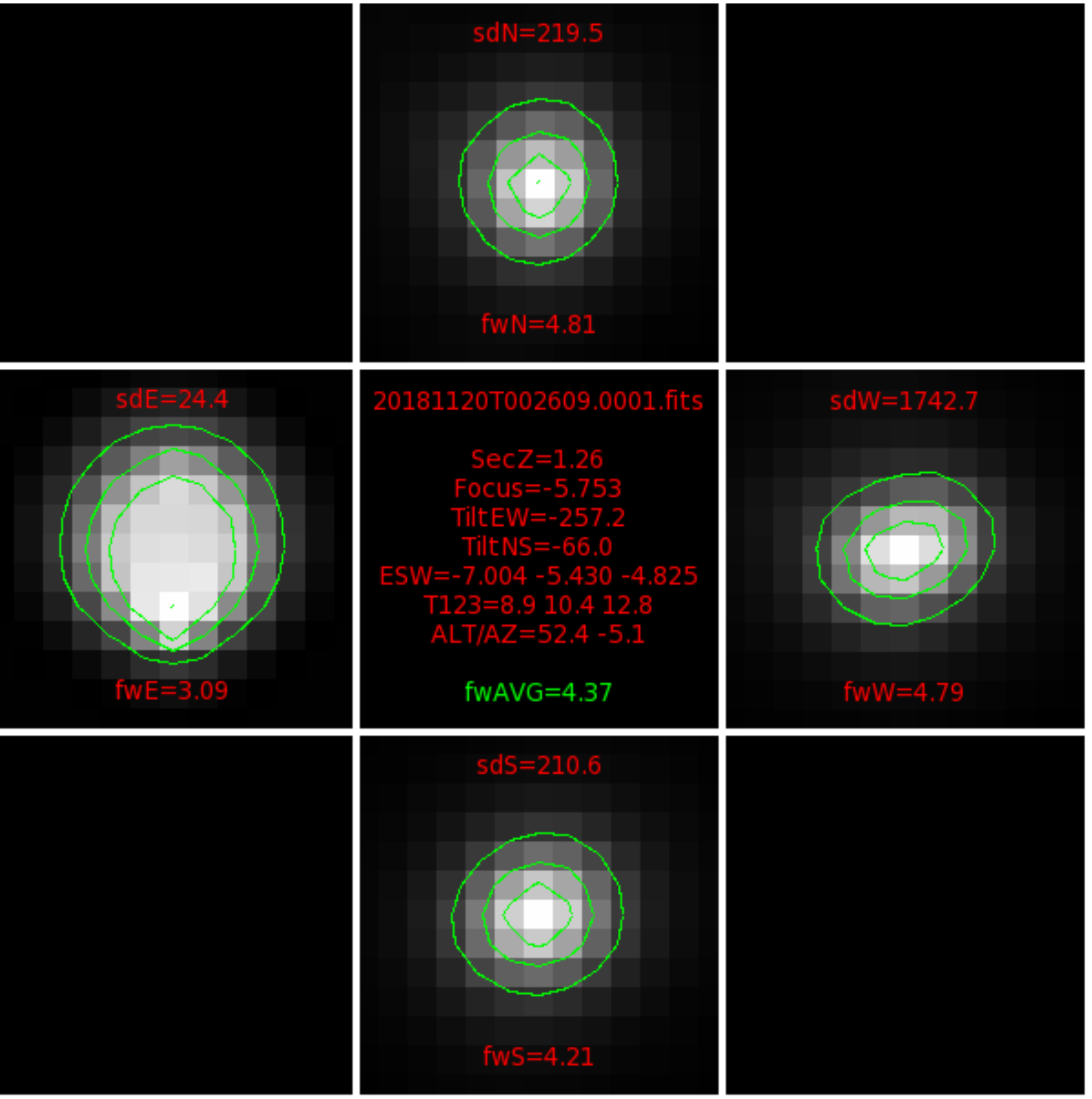
sdN=219.5
fwN=4.81
sdE=24.4
fwE=3.09
20181120T002609.0001.fits
SecZ=1.26
Focus=-5.753
TiltEW=-257.2
TiltNS=-66.0
ESW=-7.004 -5.430 -4.825
T123=8.9 10.4 12.8
ALT/AZ=52.4 -5.1
fwAVG=4.37
sdW=1742.7
fwW=4.79
sdS=210.6
fwS=4.21
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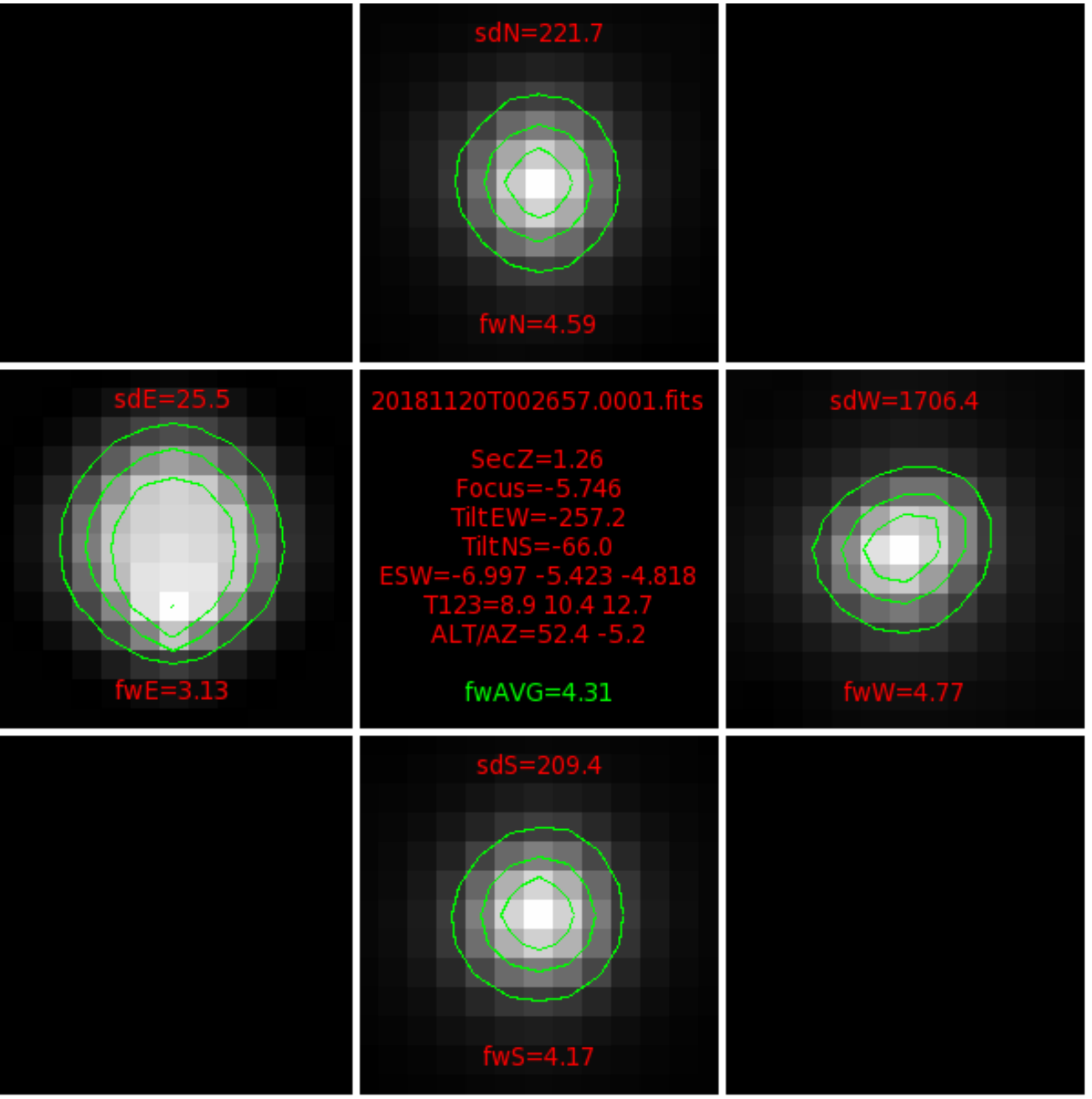
sdN=221.7
fwN=4.59
sdE=25.5
fwE=3.13
20181120T002657.0001.fits
SecZ=1.26
Focus=-5.746
TiltEW=-257.2
TiltNS=-66.0
ESW=-6.997 -5.423 -4.818
T123=8.9 10.4 12.7
ALT/AZ=52.4 -5.2
fwAVG=4.31
sdW=1706.4
fwW=4.77
sdS=209.4
fwS=4.17
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