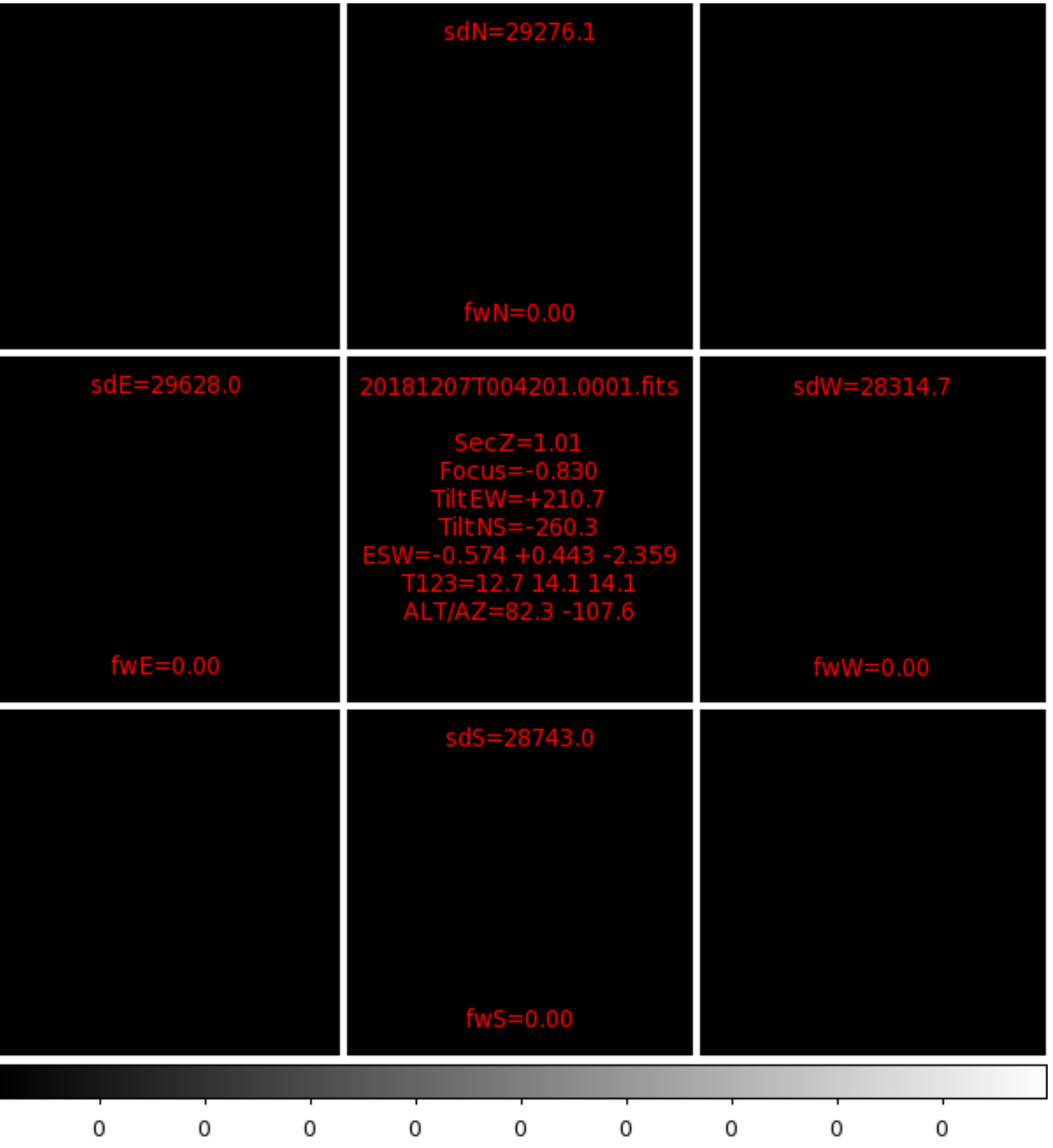
sdN=29276.1
fwN=0.00
sdE=29628.0
fwE=0.00
20181207T004201.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.7 14.1 14.1
ALT/AZ=82.3 -107.6
sdW=28314.7
fwW=0.00
sdS=28743.0
fwS=0.00
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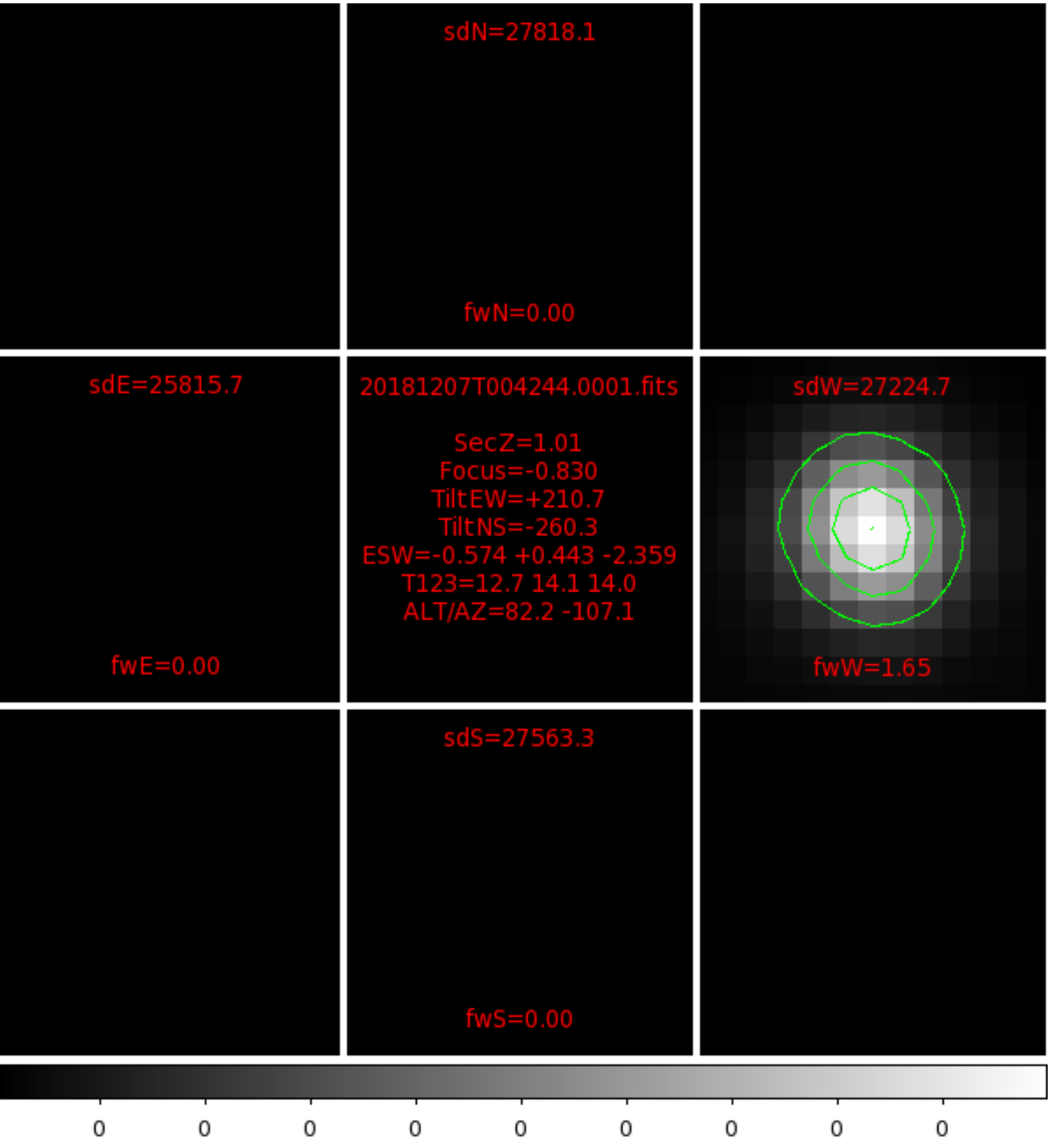
sdN=27818.1
fwN=0.00
sdE=25815.7
fwE=0.00
20181207T004244.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.7 14.1 14.0
ALT/AZ=82.2 -107.1
sdW=27224.7
fwW=1.65
sdS=27563.3
fwS=0.00
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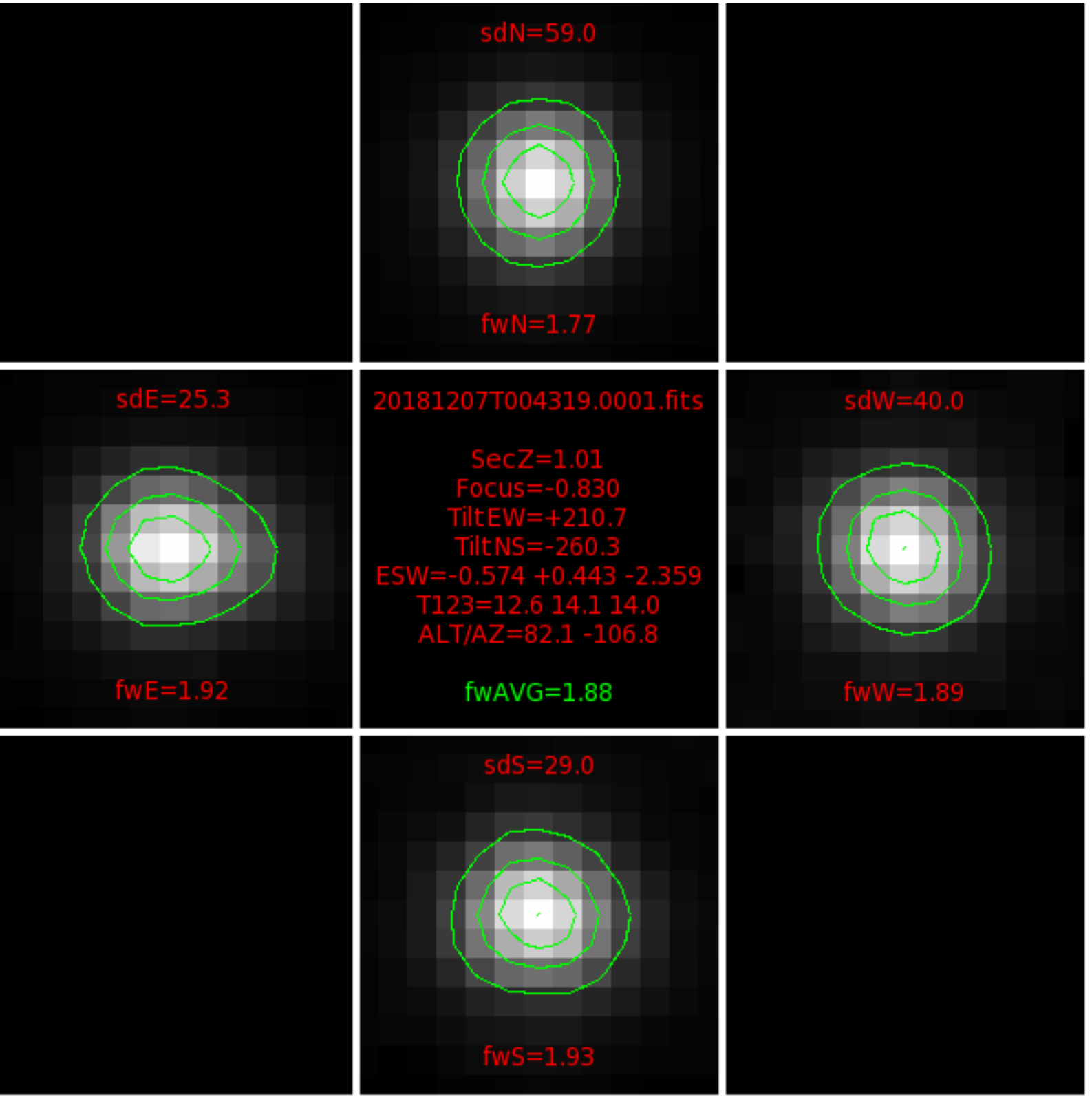
sdN=59.0
fwN=1.77
sdE=25.3
fwE=1.92
20181207T004319.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 14.1 14.0
ALT/AZ=82.1 -106.8
fwAVG=1.88
sdW=40.0
fwW=1.89
sdS=29.0
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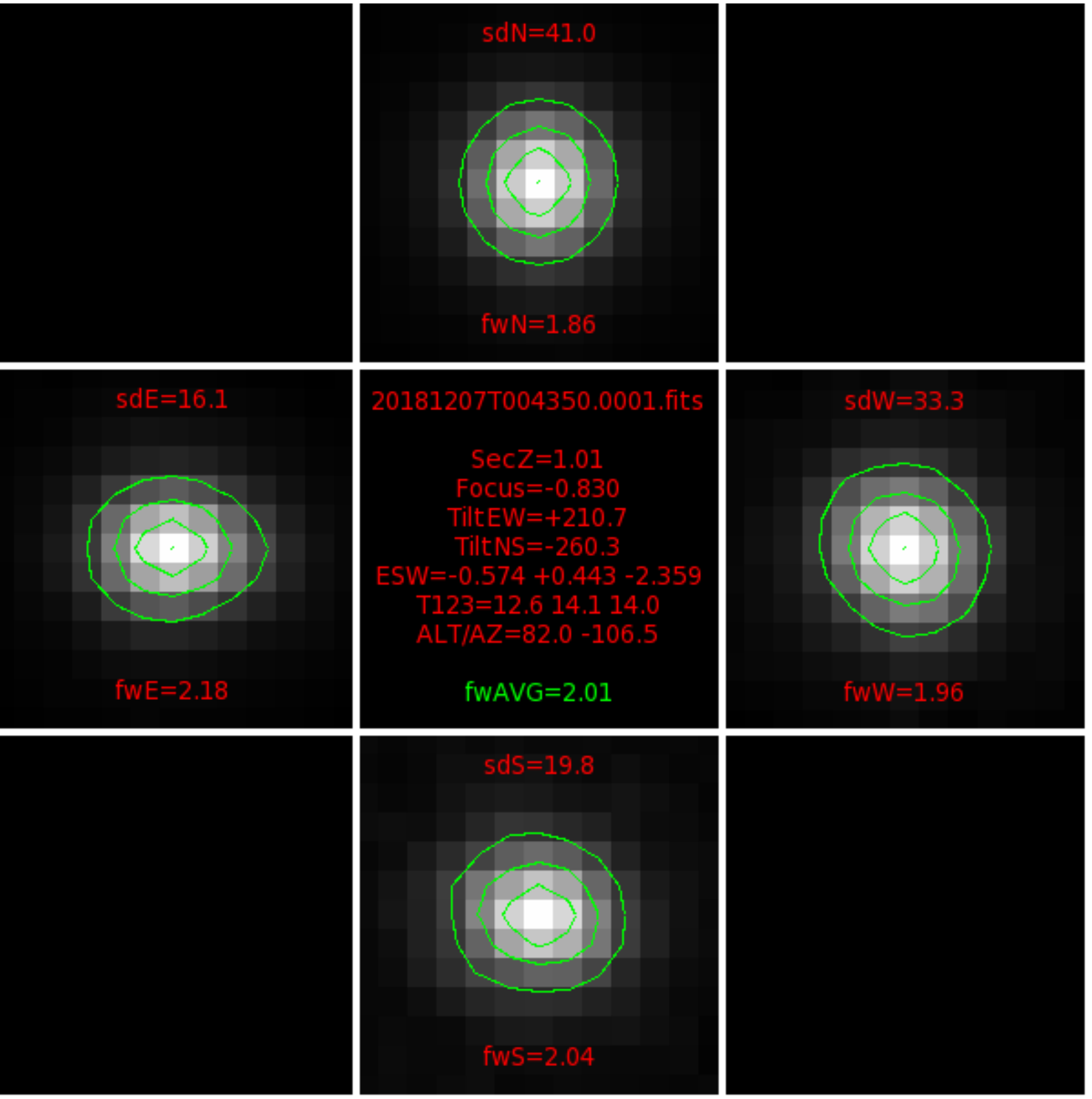
sdN=41.0
fwN=1.86
sdE=16.1
fwE=2.18
20181207T004350.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 14.1 14.0
ALT/AZ=82.0 -106.5
fwAVG=2.01
sdW=33.3
fwW=1.96
sdS=19.8
fwS=2.04
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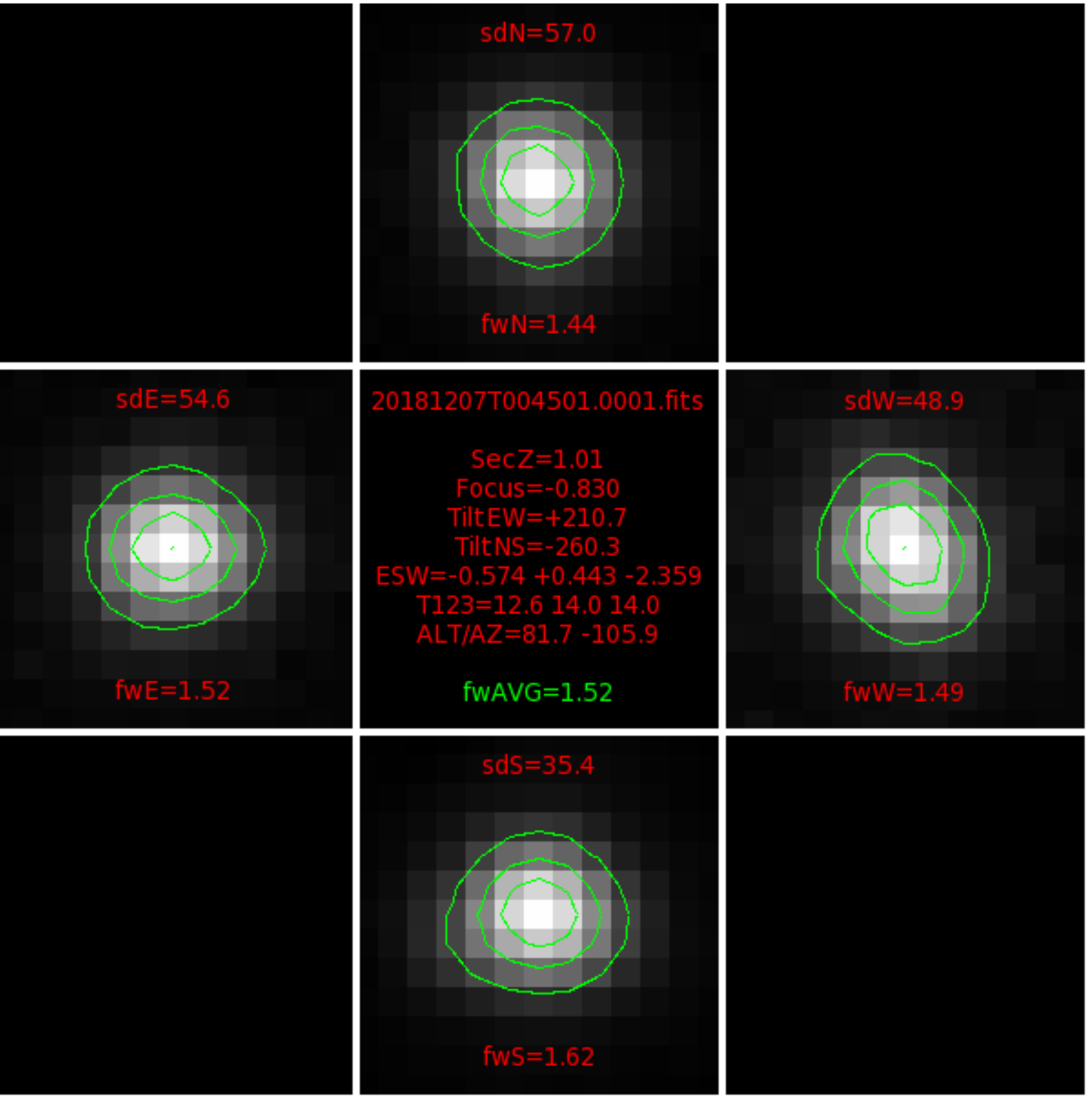
sdN=57.0
fwN=1.44
sdE=54.6
fwE=1.52
20181207T004501.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 14.0 14.0
ALT/AZ=81.7 -105.9
fwAVG=1.52
sdW=48.9
fwW=1.49
sdS=35.4
fwS=1.62
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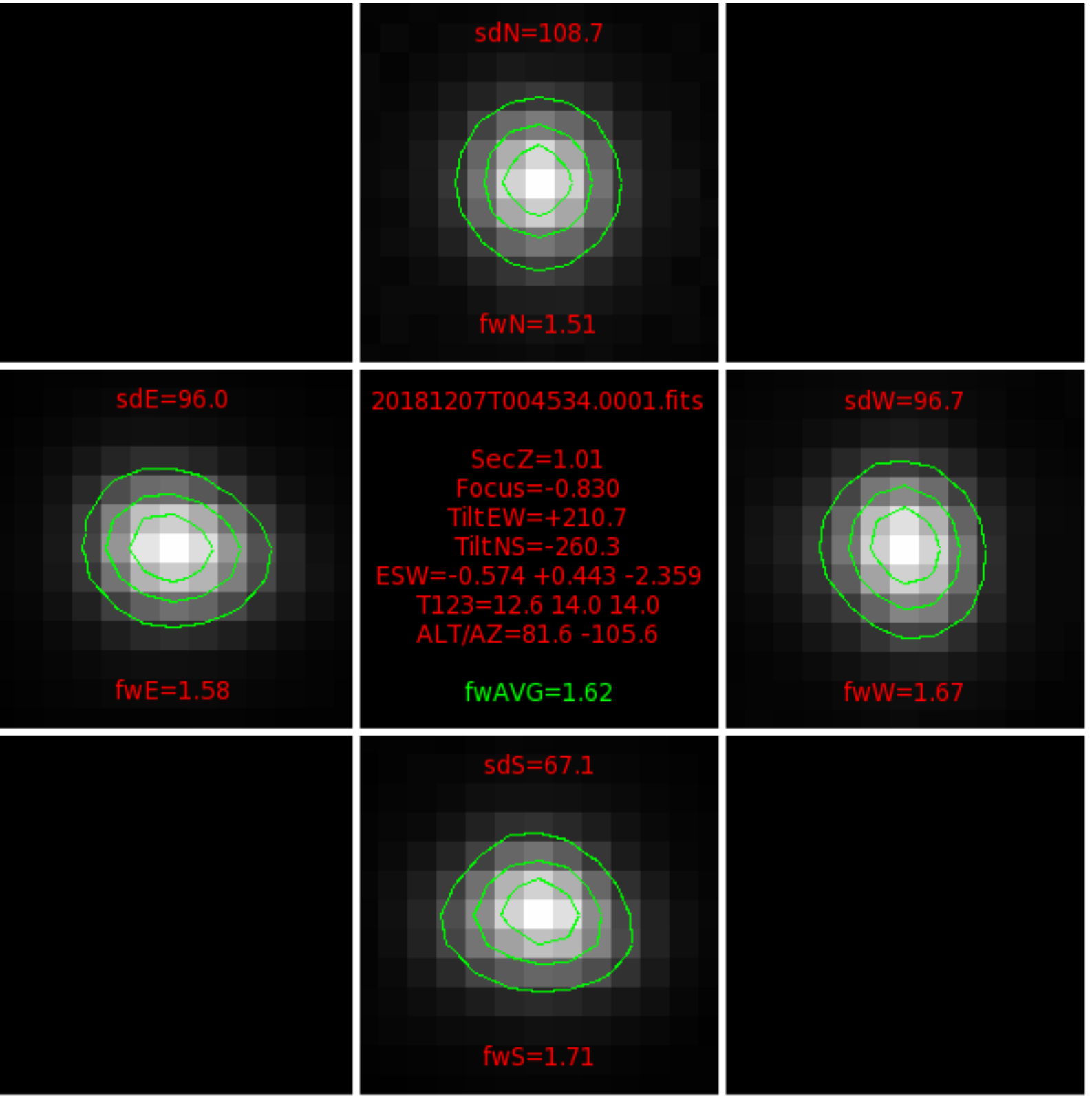
sdN=108.7
fwN=1.51
sdE=96.0
fwE=1.58
20181207T004534.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 14.0 14.0
ALT/AZ=81.6 -105.6
fwAVG=1.62
sdW=96.7
fwW=1.67
sdS=67.1
fwS=1.71
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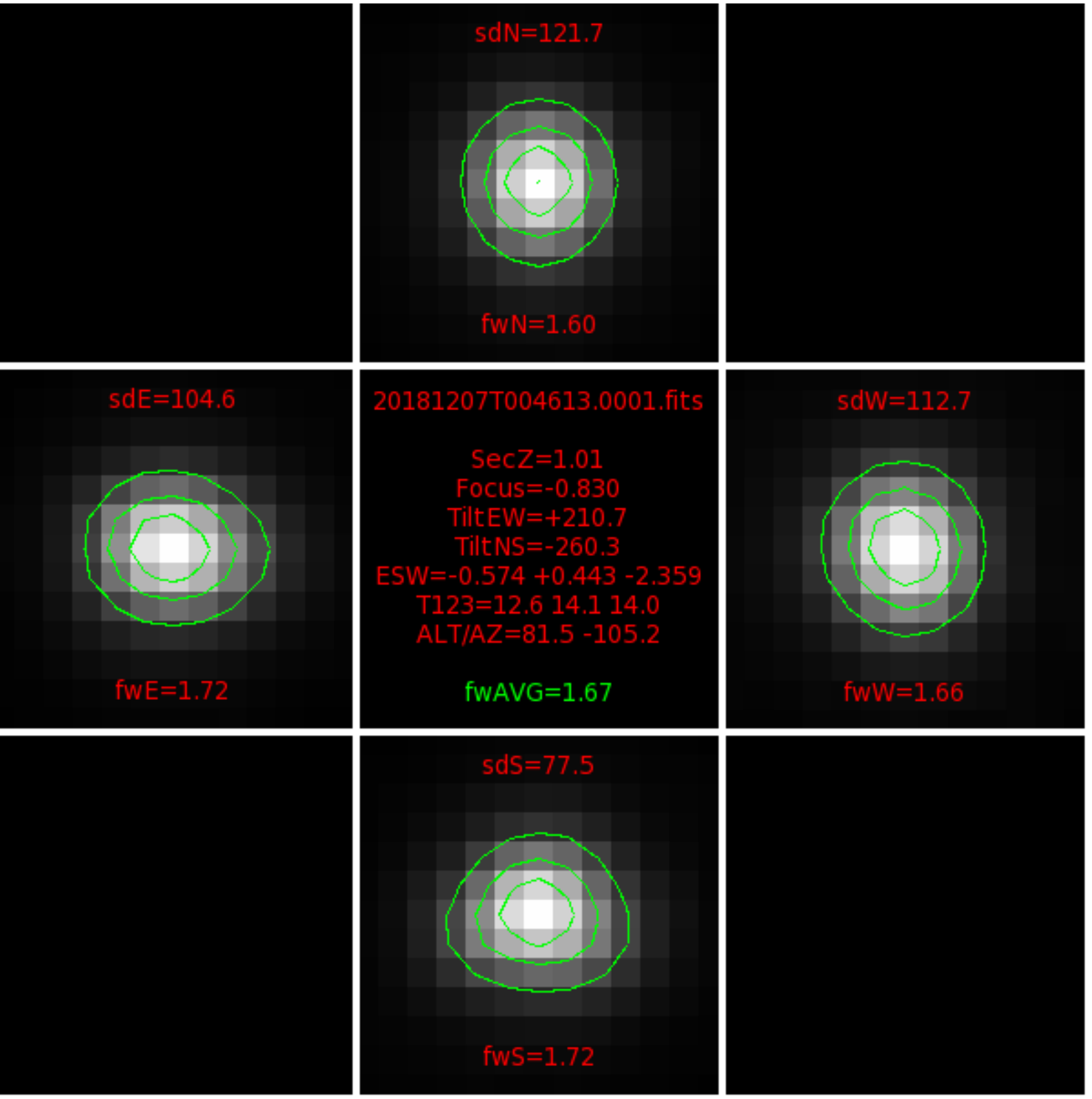
sdN=121.7
fwN=1.60
sdE=104.6
fwE=1.72
20181207T004613.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 14.1 14.0
ALT/AZ=81.5 -105.2
fwAVG=1.67
sdW=112.7
fwW=1.66
sdS=77.5
fwS=1.72
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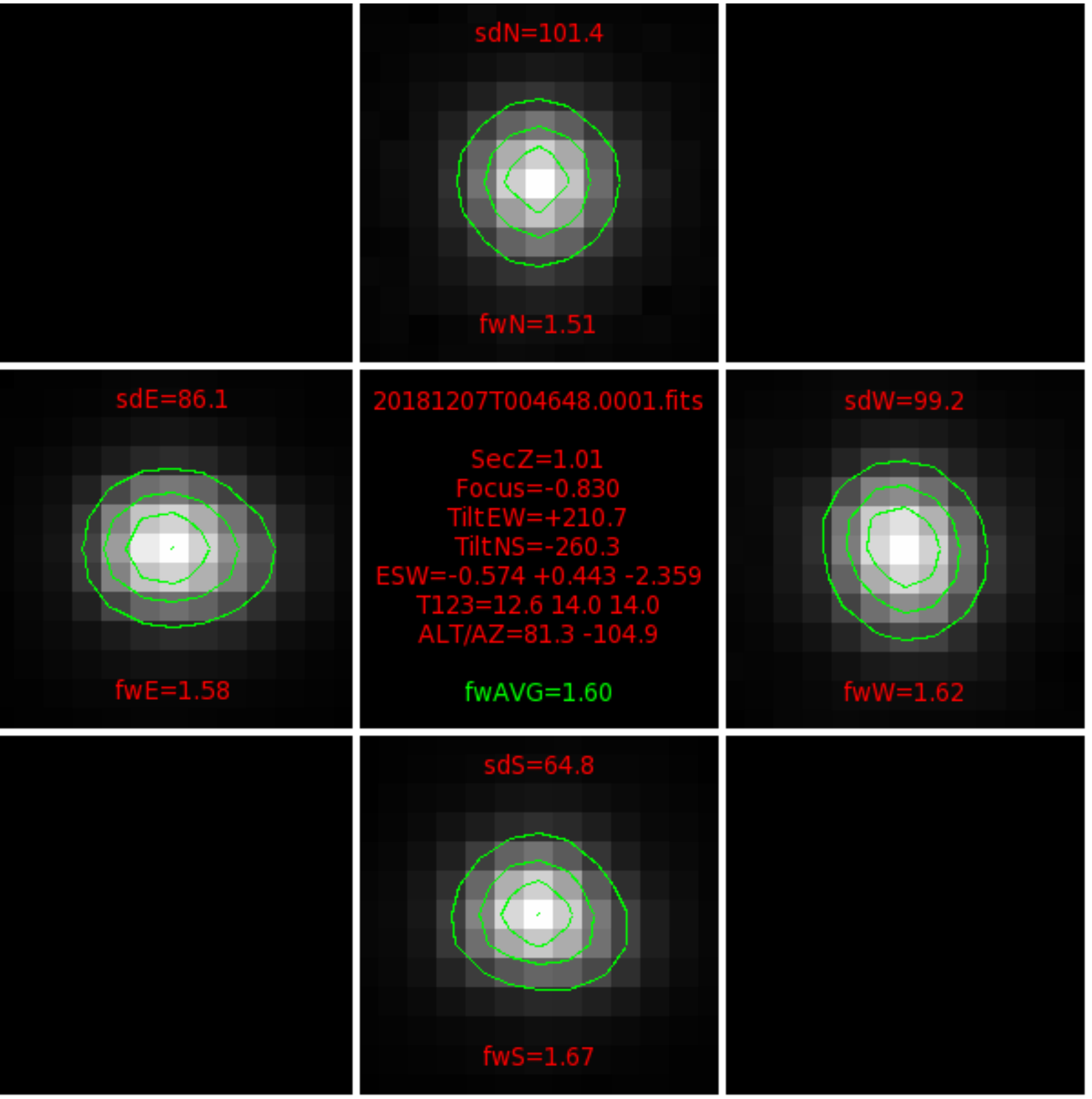
sdN=101.4
fwN=1.51
sdE=86.1
fwE=1.58
20181207T004648.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 14.0 14.0
ALT/AZ=81.3 -104.9
fwAVG=1.60
sdW=99.2
fwW=1.62
sdS=64.8
fwS=1.67
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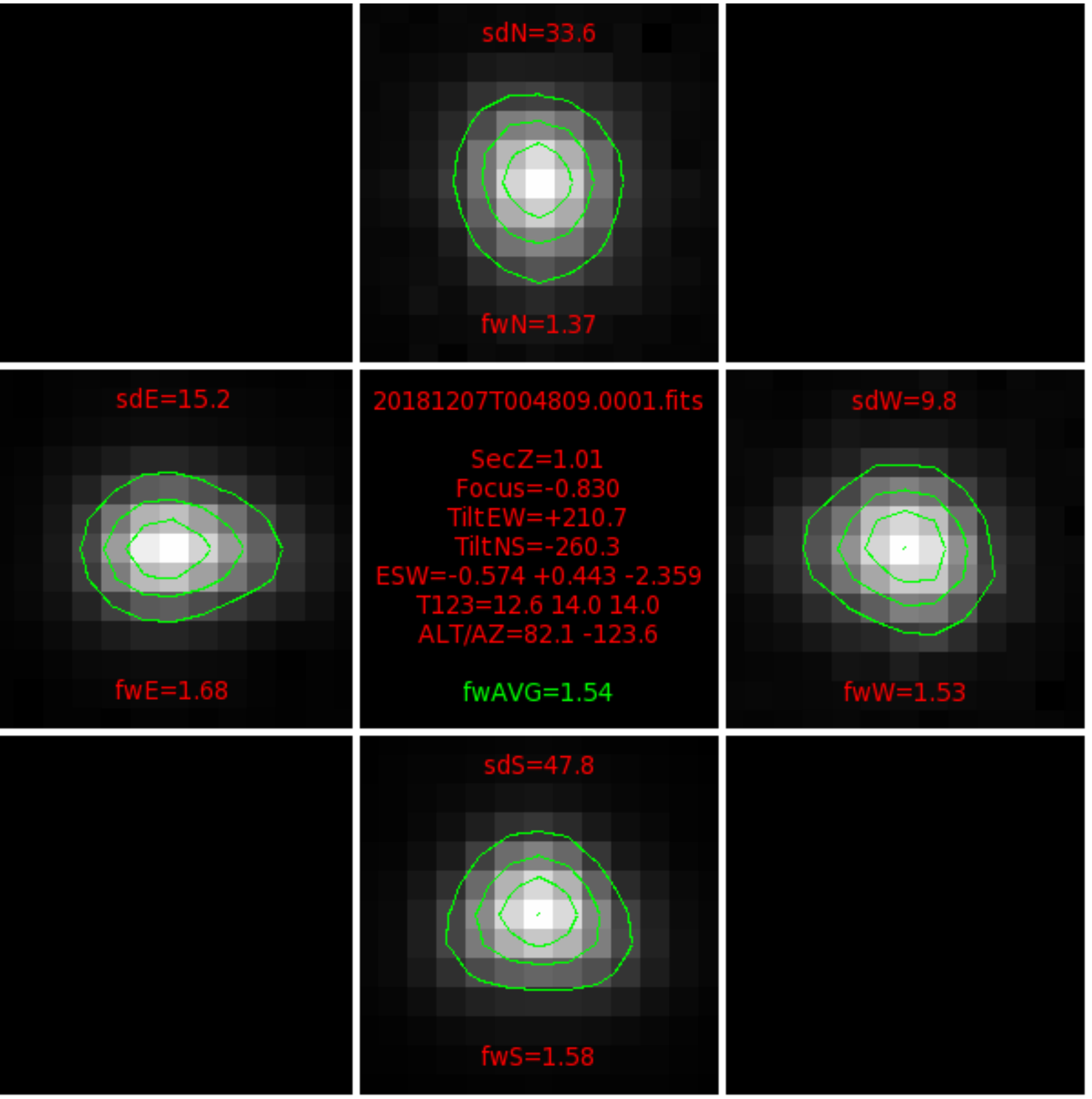
sdN=33.6
fwN=1.37
sdE=15.2
fwE=1.68
20181207T004809.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 14.0 14.0
ALT/AZ=82.1 -123.6
fwAVG=1.54
sdW=9.8
fwW=1.53
sdS=47.8
fwS=1.58
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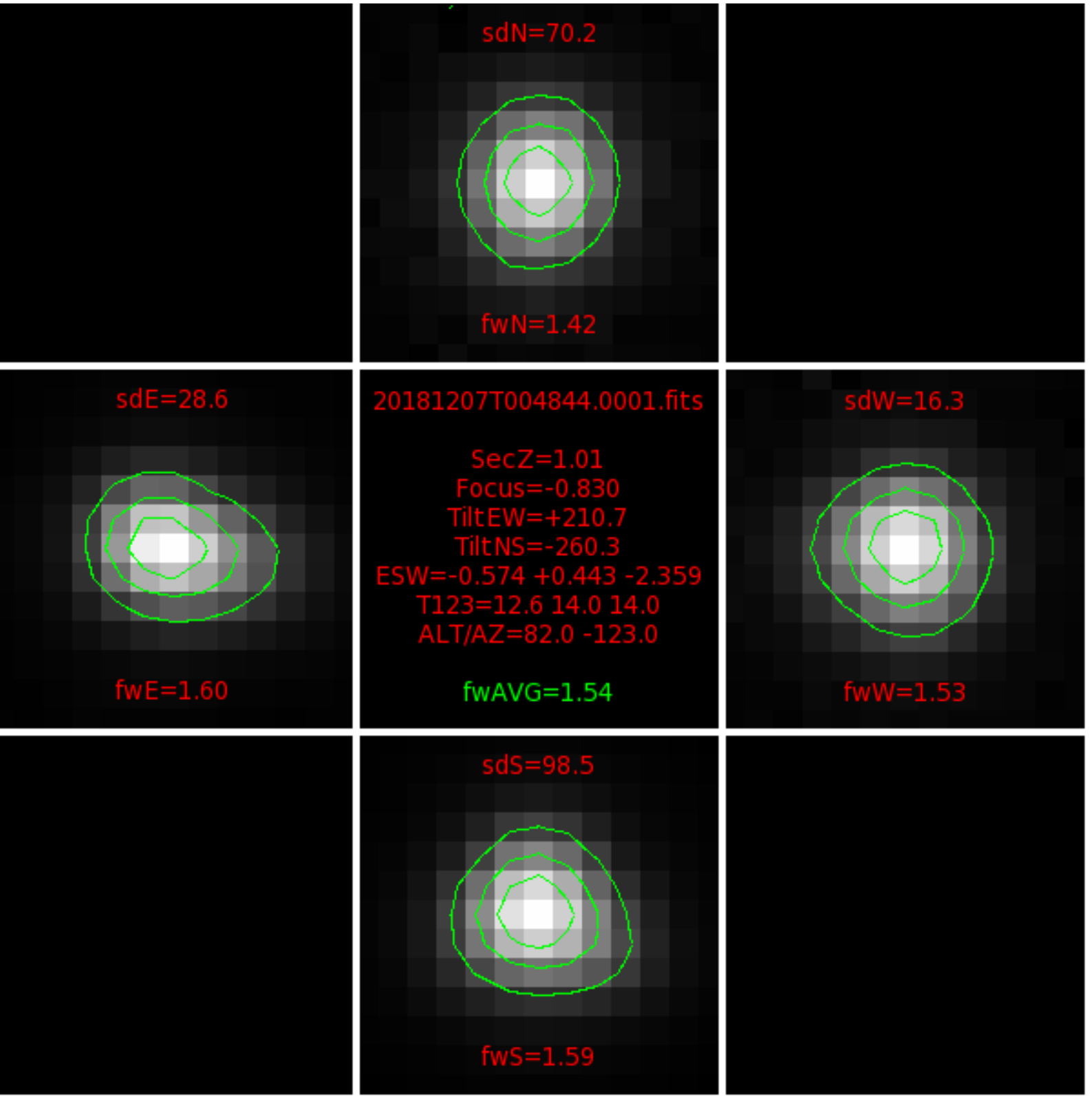
sdN=70.2
fwN=1.42
sdE=28.6
fwE=1.60
20181207T004844.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 14.0 14.0
ALT/AZ=82.0 -123.0
fwAVG=1.54
sdW=16.3
fwW=1.53
sdS=98.5
fwS=1.59
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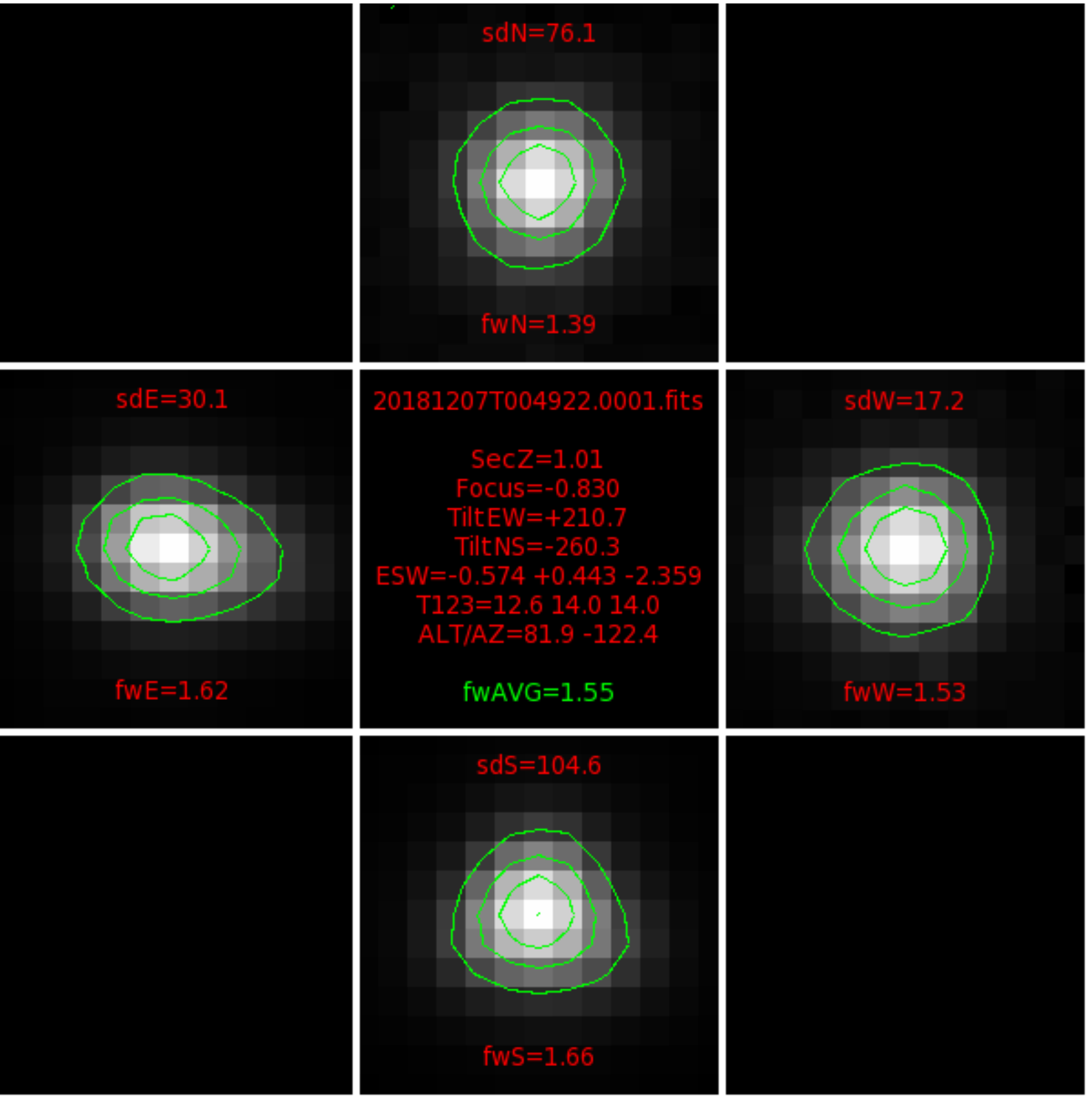
sdN=76.1
fwN=1.39
sdE=30.1
fwE=1.62
20181207T004922.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 14.0 14.0
ALT/AZ=81.9 -122.4
fwAVG=1.55
sdW=17.2
fwW=1.53
sdS=104.6
fwS=1.66
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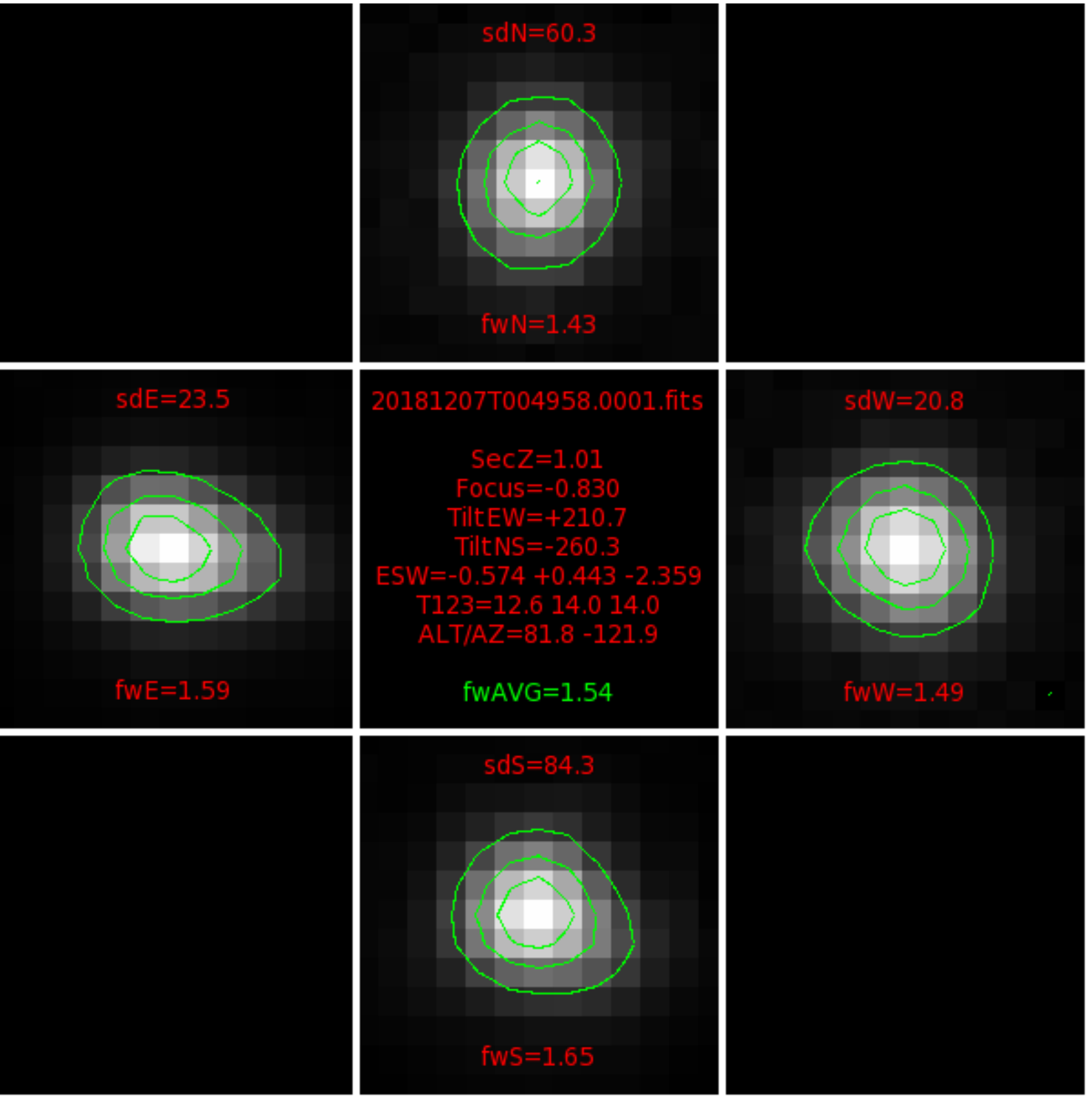
sdN=60.3
fwN=1.43
sdE=23.5
fwE=1.59
20181207T004958.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 14.0 14.0
ALT/AZ=81.8 -121.9
fwAVG=1.54
sdW=20.8
fwW=1.49
sdS=84.3
fwS=1.65
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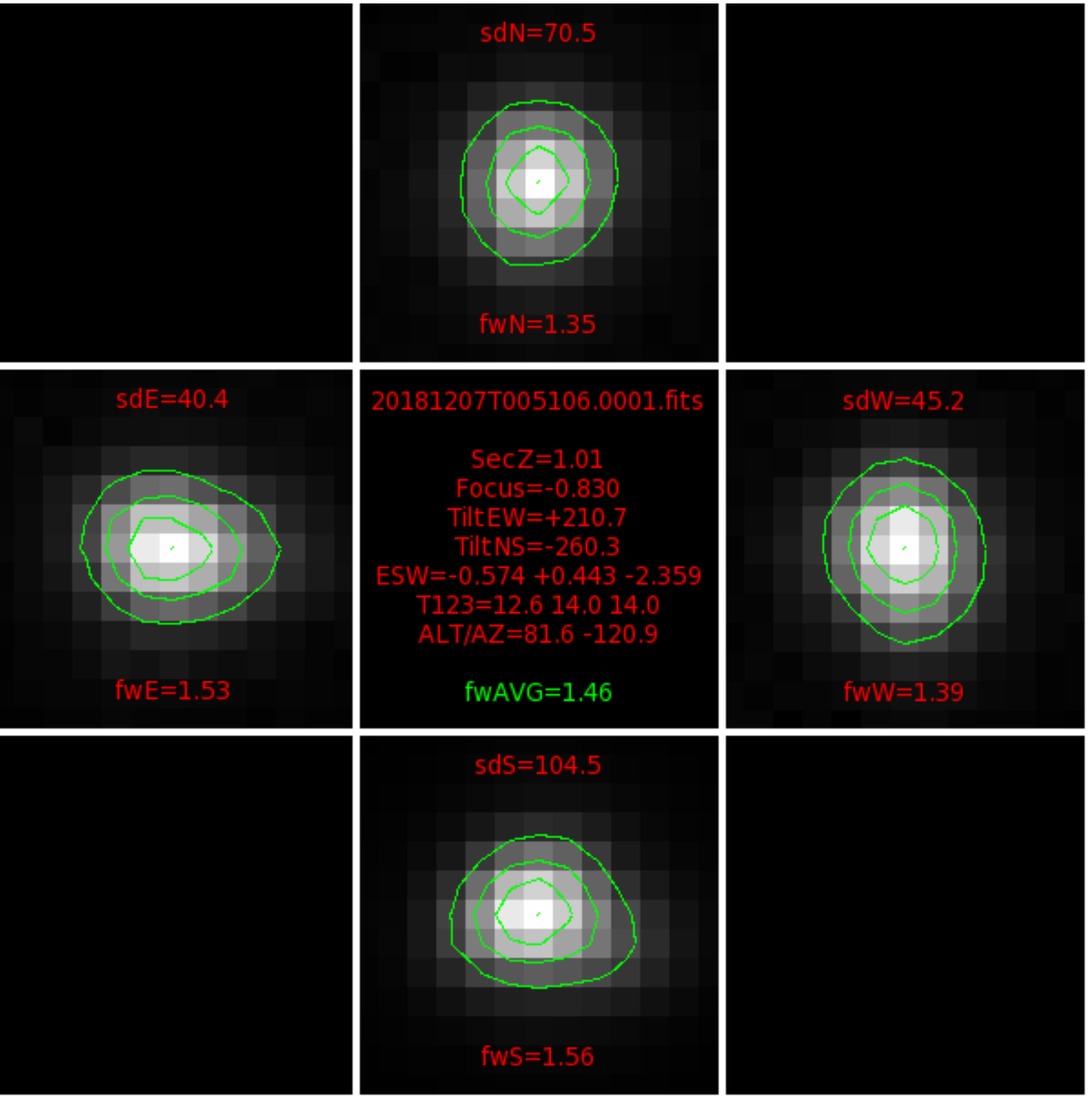
sdN=70.5
fwN=1.35
sdE=40.4
fwE=1.53
20181207T005106.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 14.0 14.0
ALT/AZ=81.6 -120.9
fwAVG=1.46
sdW=45.2
fwW=1.39
sdS=104.5
fwS=1.56
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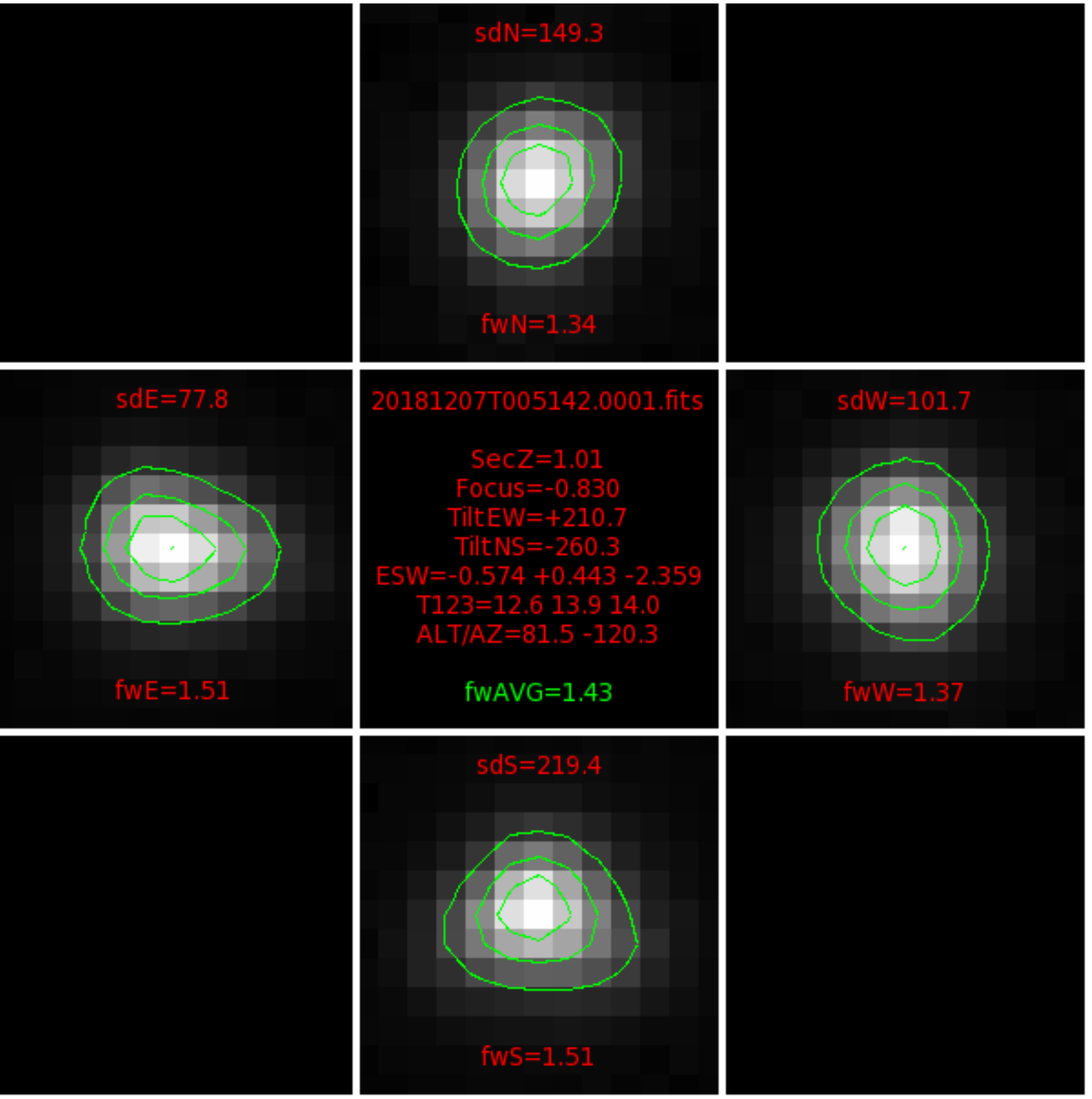
sdN=149.3
fwN=1.34
sdE=77.8
fwE=1.51
20181207T005142.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 13.9 14.0
ALT/AZ=81.5 -120.3
fwAVG=1.43
sdW=101.7
fwW=1.37
sdS=219.4
fwS=1.51
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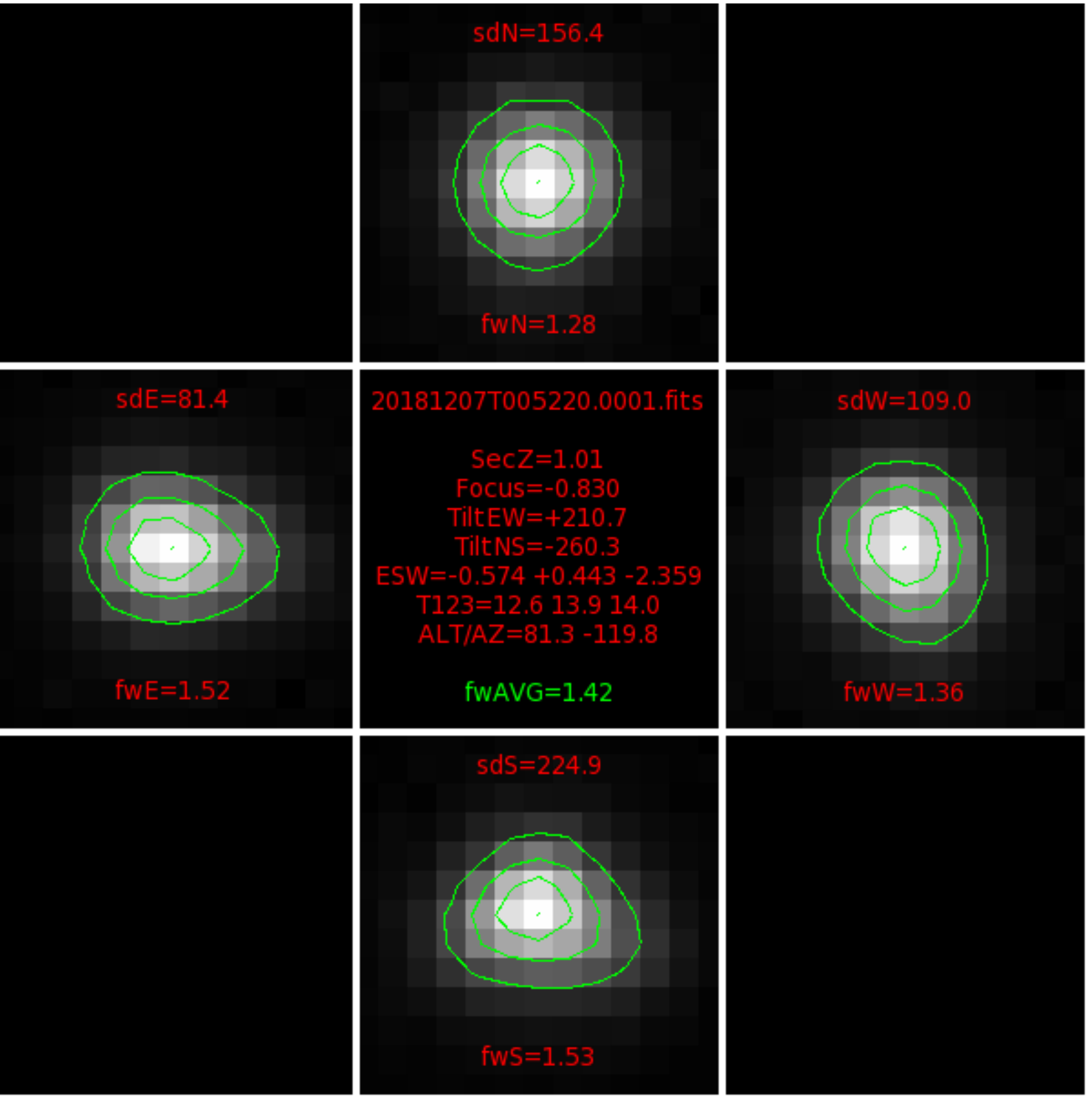
sdN=156.4
fwN=1.28
sdE=81.4
fwE=1.52
20181207T005220.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 13.9 14.0
ALT/AZ=81.3 -119.8
fwAVG=1.42
sdW=109.0
fwW=1.36
sdS=224.9
fwS=1.53
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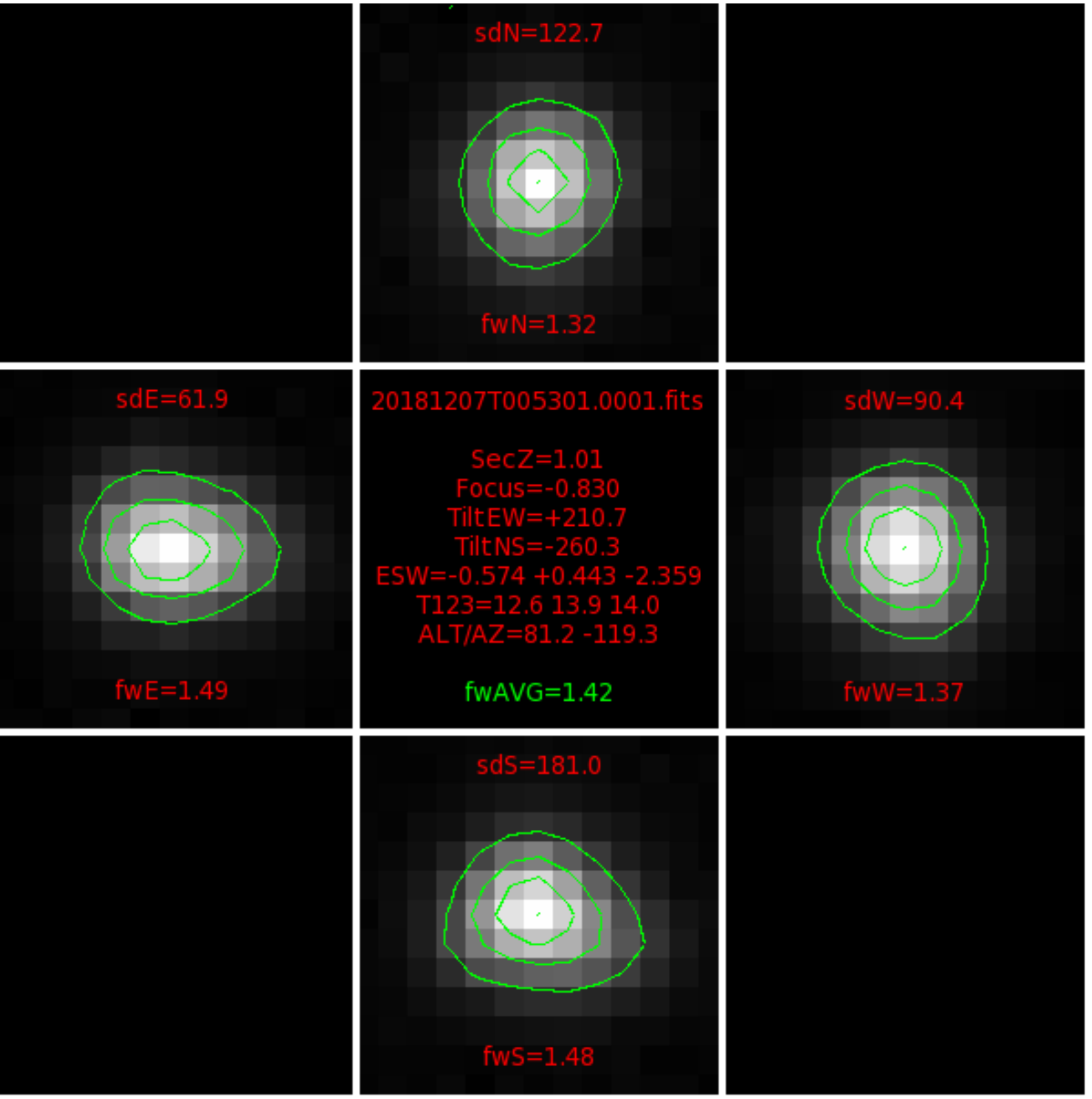
sdN=122.7
fwN=1.32
sdE=61.9
fwE=1.49
20181207T005301.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 13.9 14.0
ALT/AZ=81.2 -119.3
fwAVG=1.42
sdW=90.4
fwW=1.37
sdS=181.0
fwS=1.48
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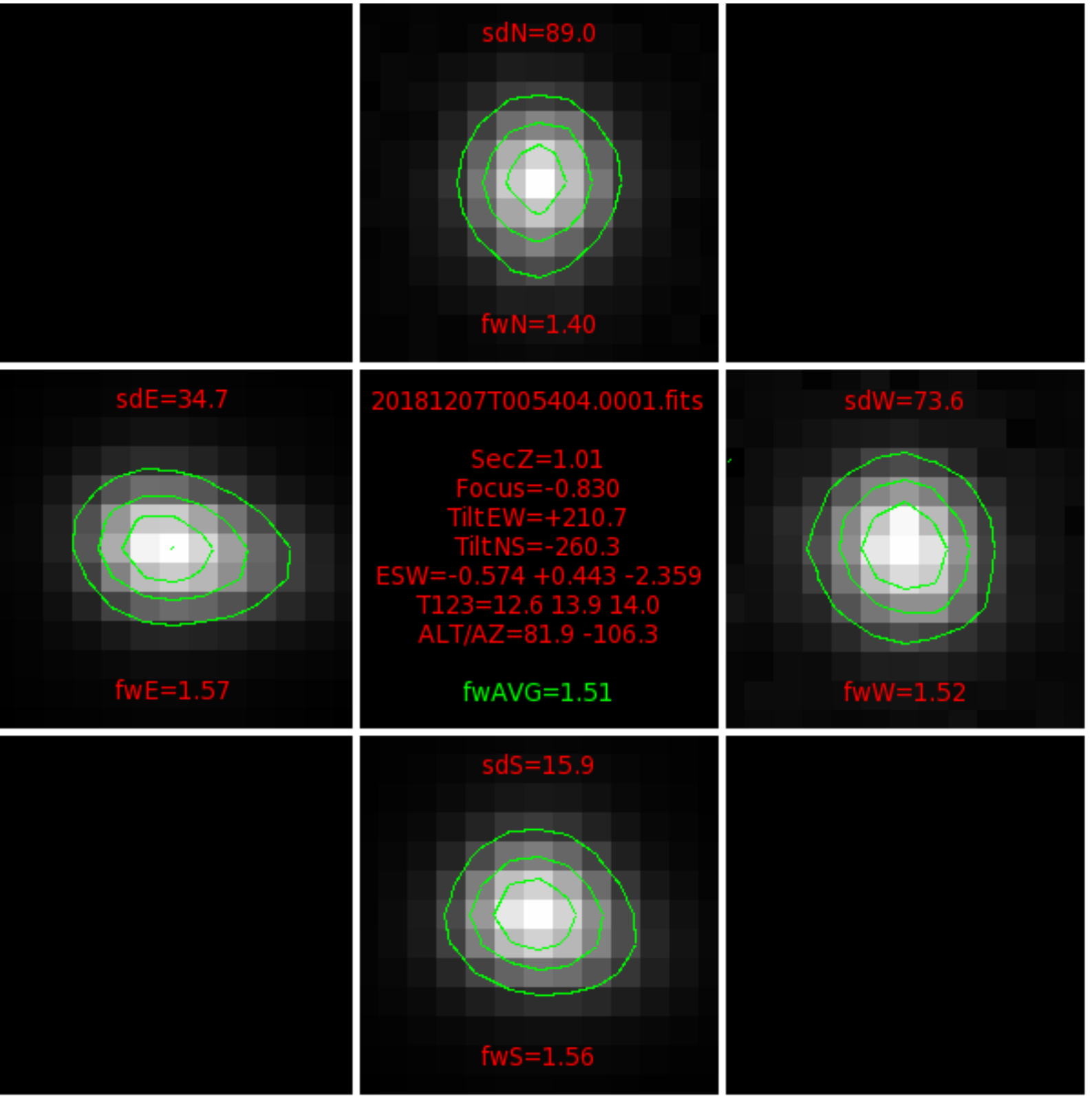
sdN=89.0
fwN=1.40
sdE=34.7
fwE=1.57
20181207T005404.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 13.9 14.0
ALT/AZ=81.9 -106.3
fwAVG=1.51
sdW=73.6
fwW=1.52
sdS=15.9
fwS=1.56
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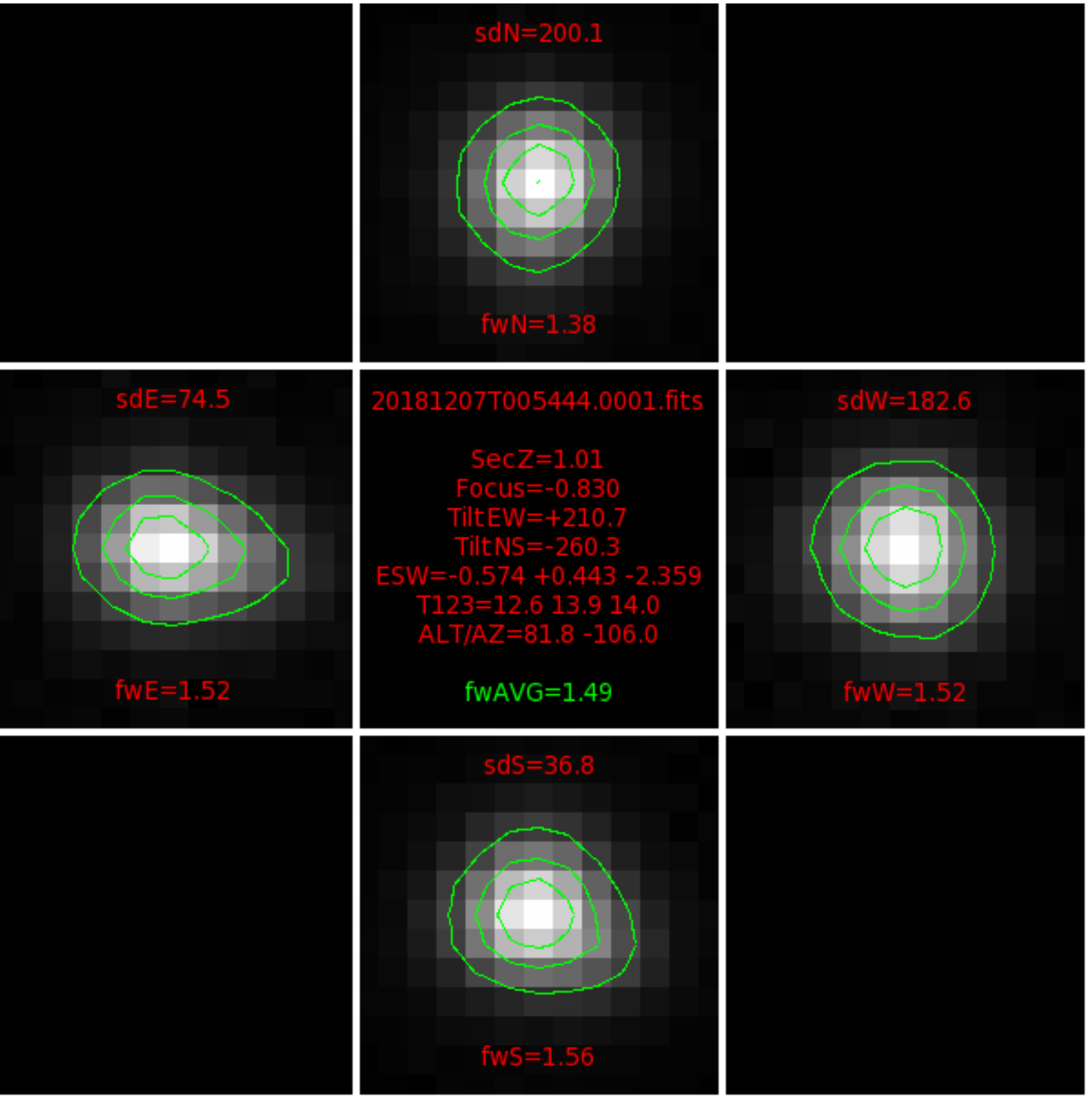
sdN=200.1
fwN=1.38
sdE=74.5
fwE=1.52
20181207T005444.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 13.9 14.0
ALT/AZ=81.8 -106.0
fwAVG=1.49
sdW=182.6
fwW=1.52
sdS=36.8
fwS=1.56
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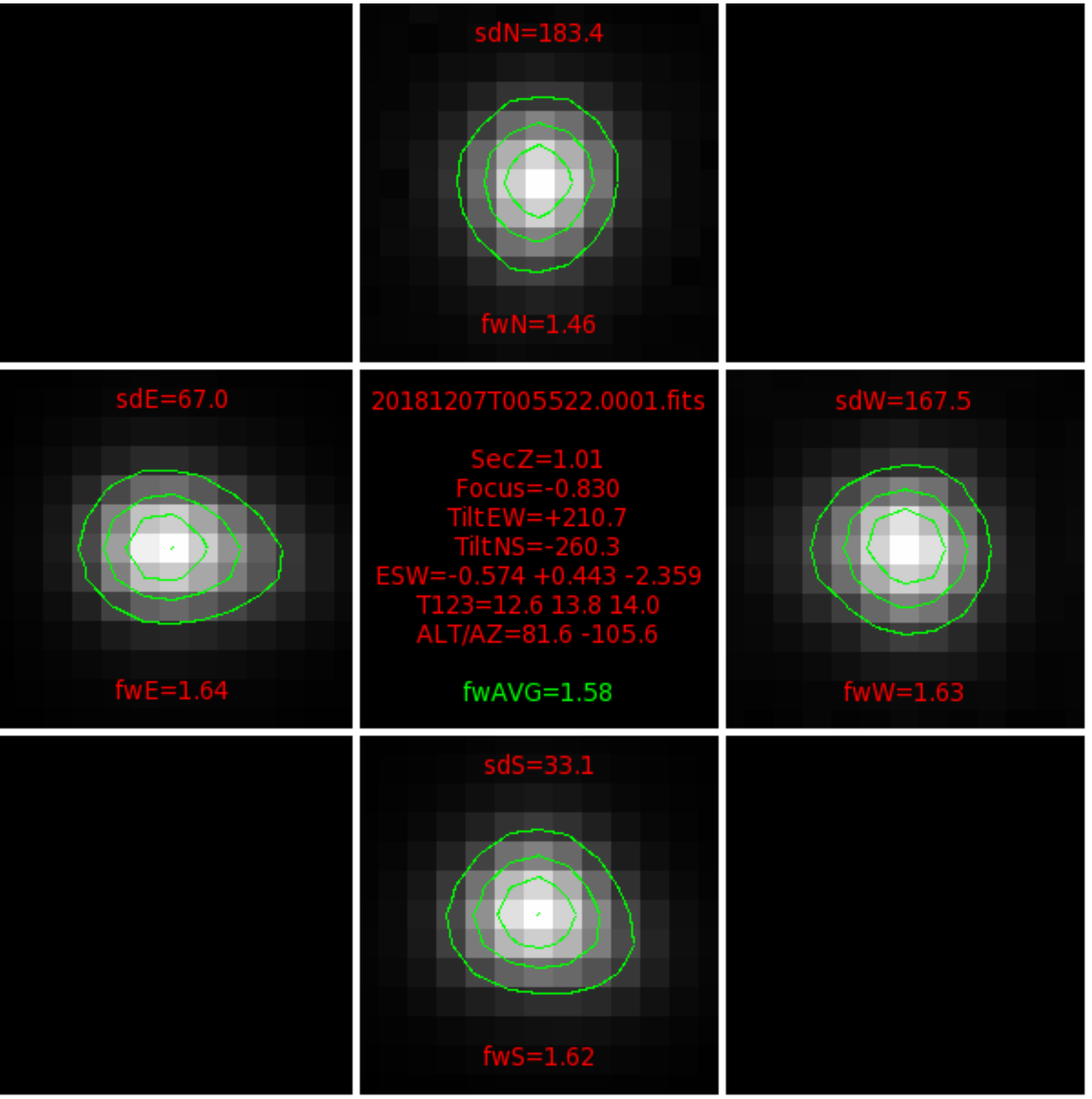
sdN=183.4
fwN=1.46
sdE=67.0
fwE=1.64
20181207T005522.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 13.8 14.0
ALT/AZ=81.6 -105.6
fwAVG=1.58
sdW=167.5
fwW=1.63
sdS=33.1
fwS=1.62
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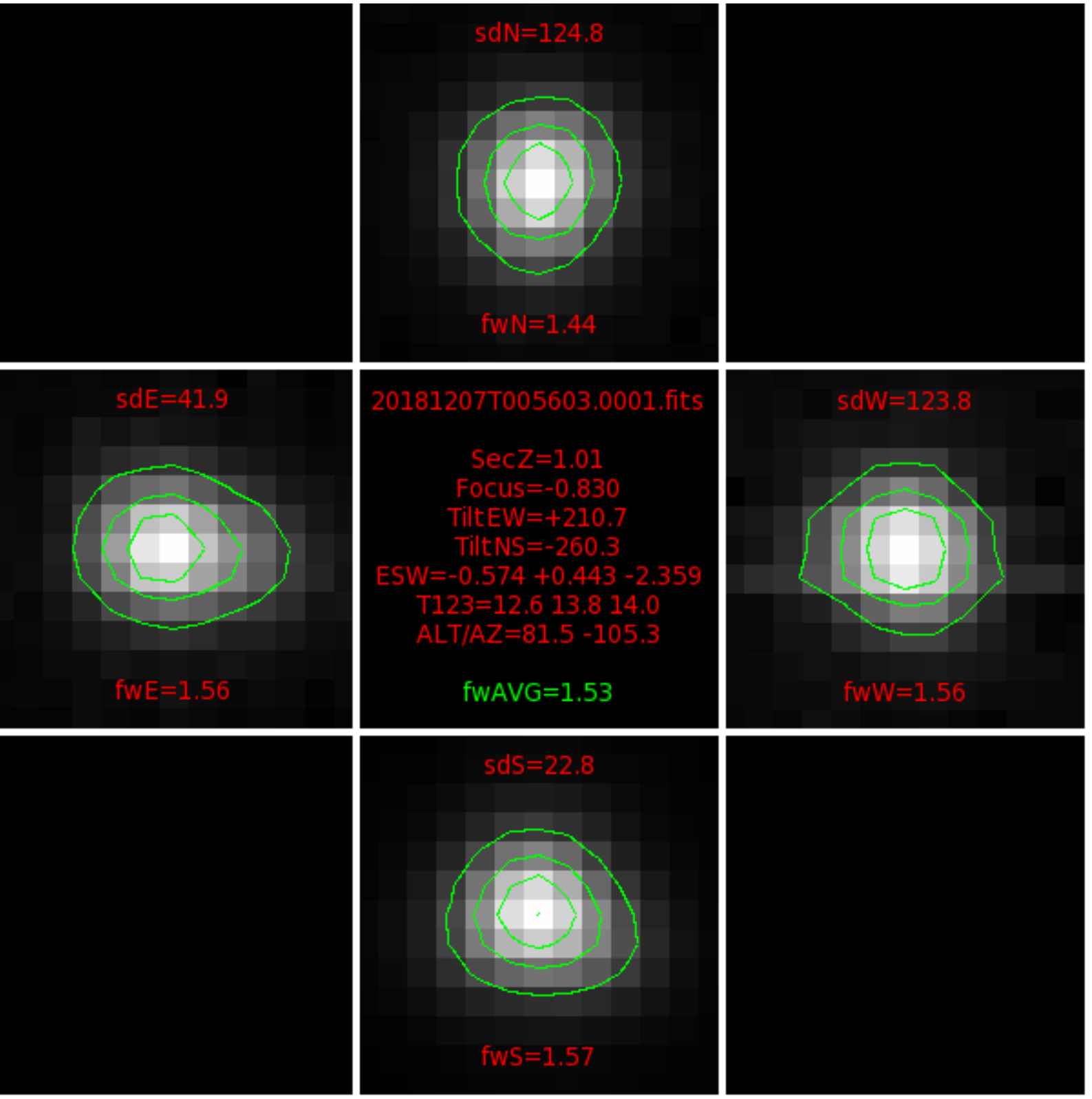
sdN=124.8
fwN=1.44
sdE=41.9
fwE=1.56
20181207T005603.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 13.8 14.0
ALT/AZ=81.5 -105.3
fwAVG=1.53
sdW=123.8
fwW=1.56
sdS=22.8
fwS=1.57
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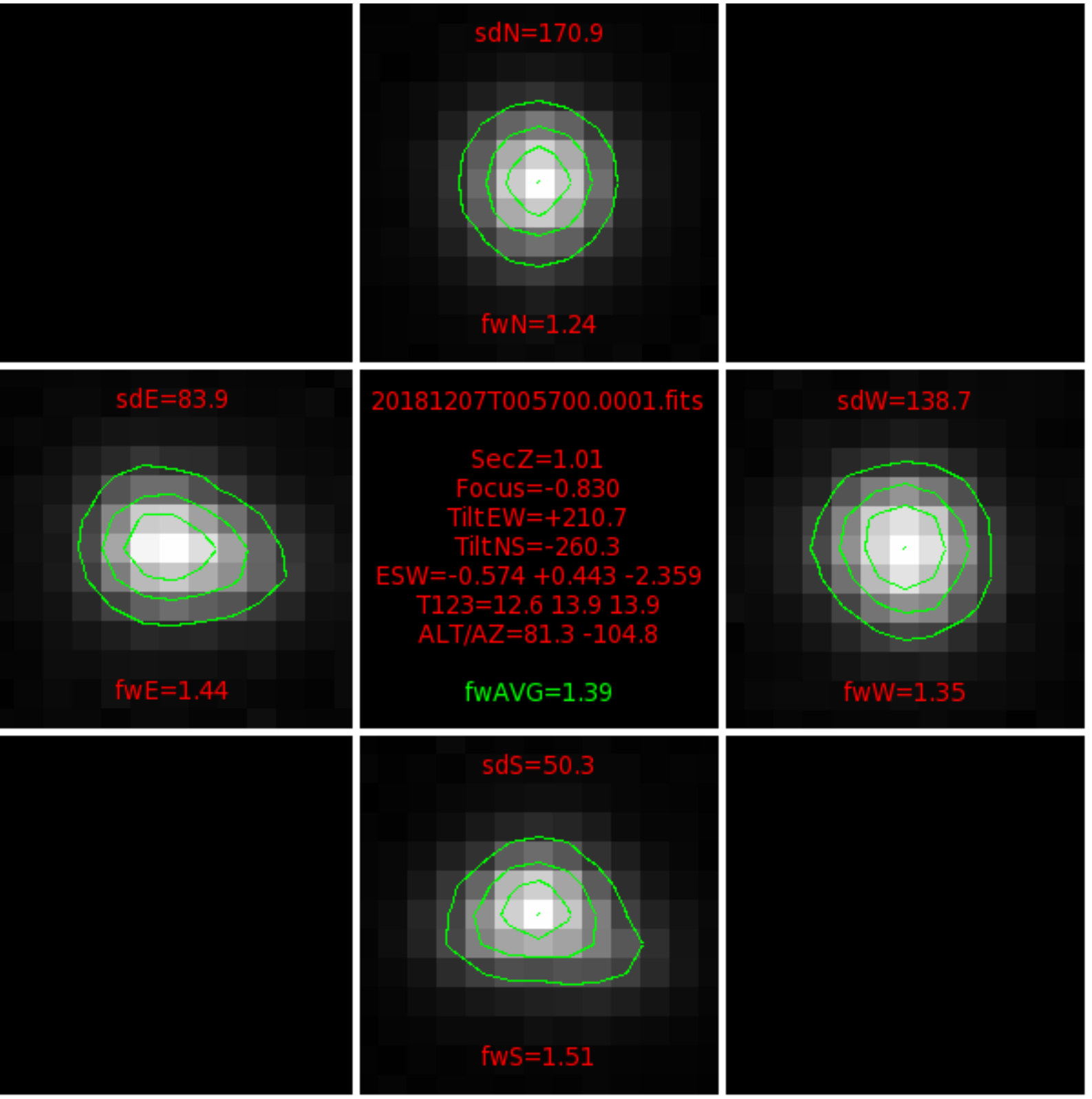
sdN=170.9
fwN=1.24
sdE=83.9
fwE=1.44
20181207T005700.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 13.9 13.9
ALT/AZ=81.3 -104.8
fwAVG=1.39
sdW=138.7
fwW=1.35
sdS=50.3
fwS=1.51
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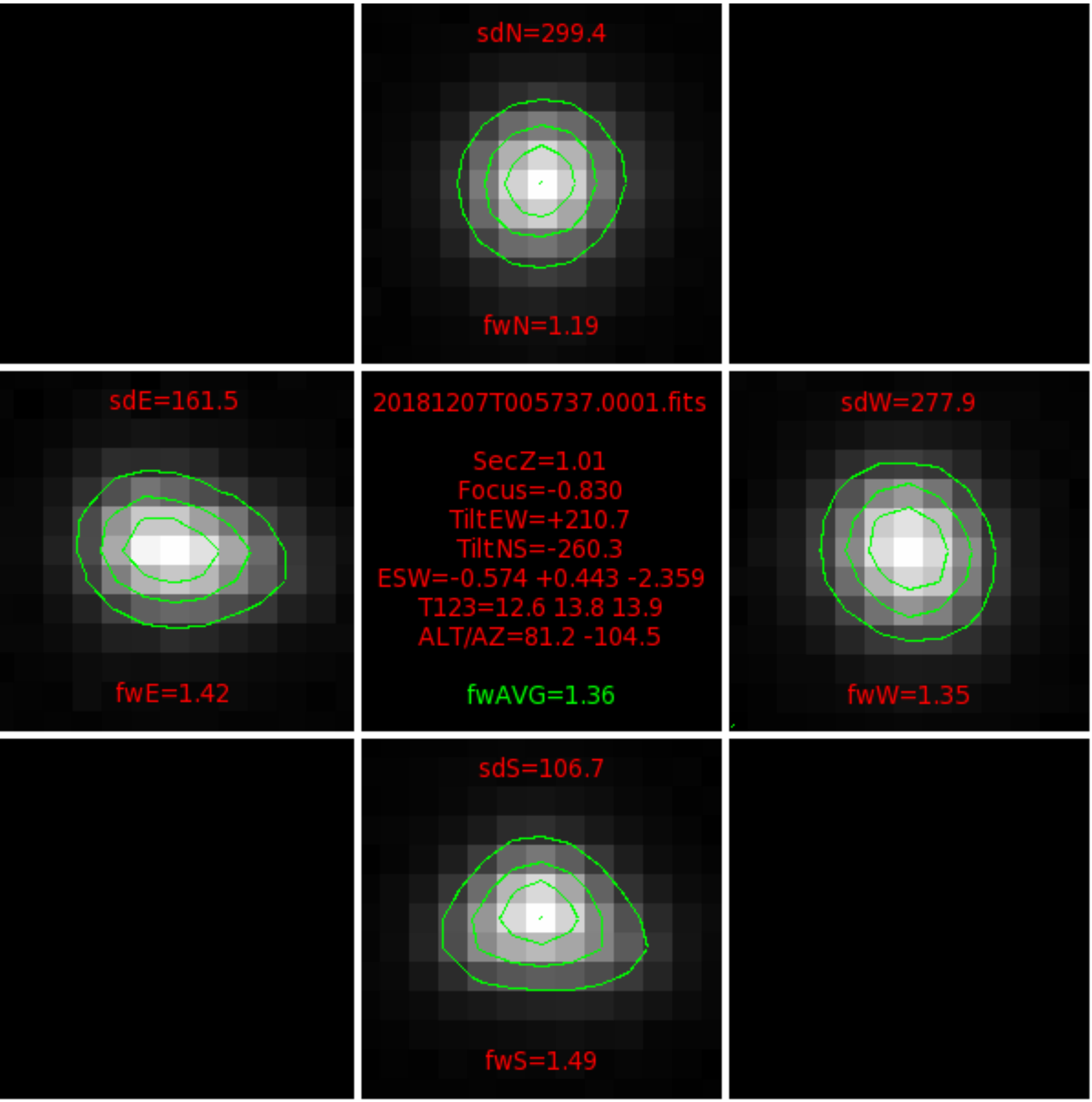
sdN=299.4
fwN=1.19
sdE=161.5
fwE=1.42
20181207T005737.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 13.8 13.9
ALT/AZ=81.2 -104.5
fwAVG=1.36
sdW=277.9
fwW=1.35
sdS=106.7
fwS=1.49
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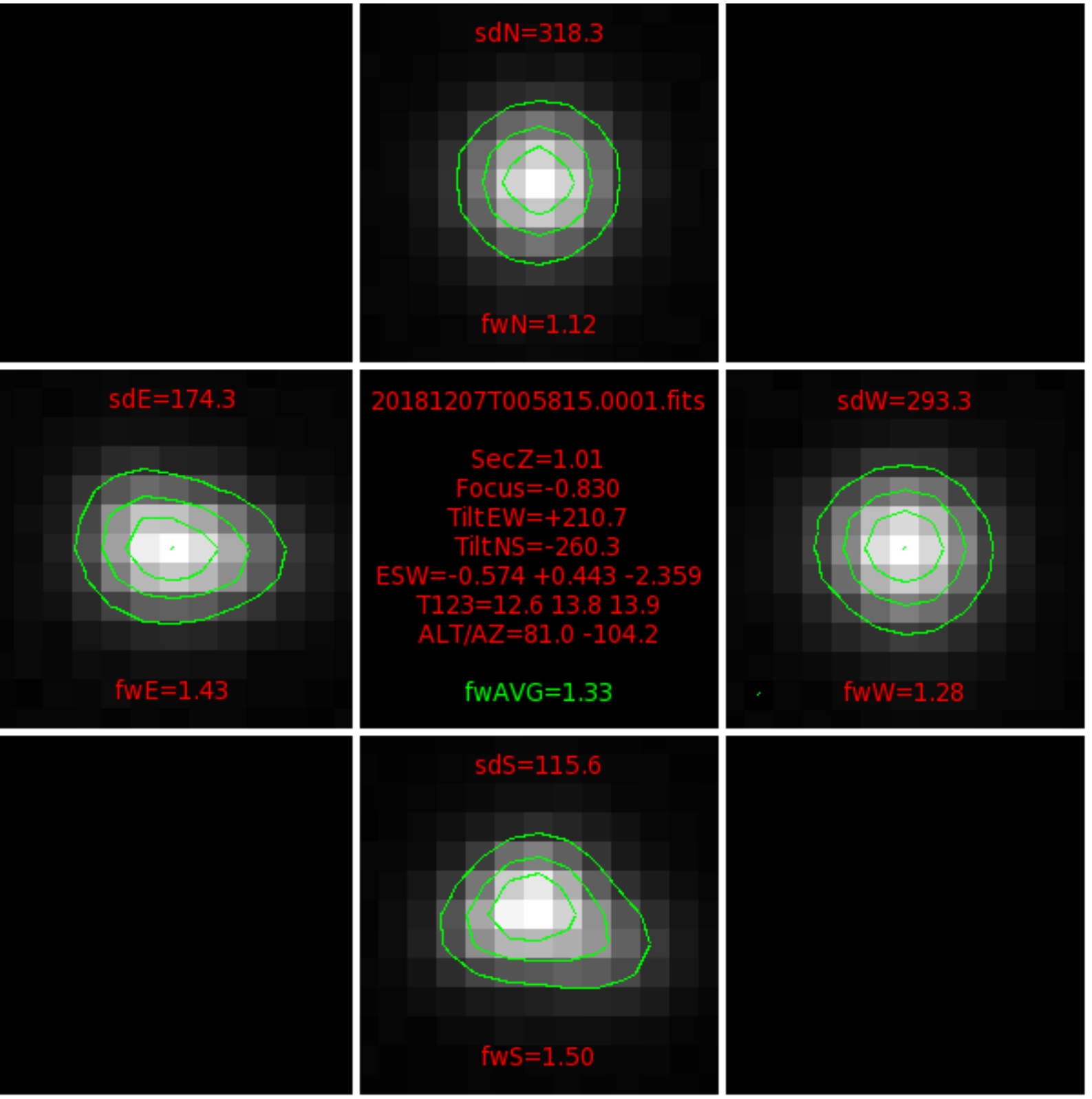
sdN=318.3
fwN=1.12
sdE=174.3
fwE=1.43
20181207T005815.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 13.8 13.9
ALT/AZ=81.0 -104.2
fwAVG=1.33
sdW=293.3
fwW=1.28
sdS=115.6
fwS=1.50
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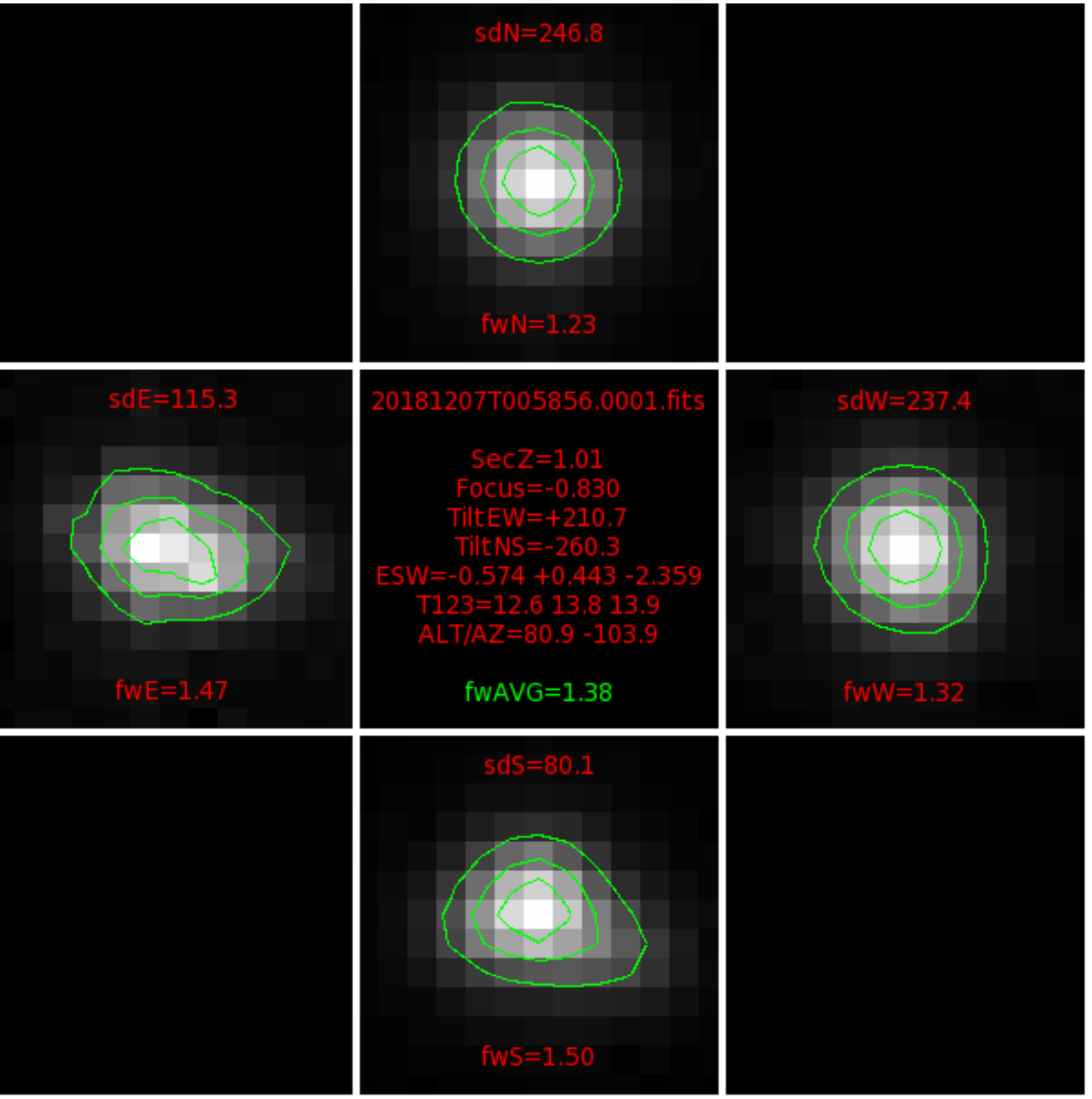
sdN=246.8
fwN=1.23
sdE=115.3
fwE=1.47
20181207T005856.0001.fits
SecZ=1.01
Focus=-0.830
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.574 +0.443 -2.359
T123=12.6 13.8 13.9
ALT/AZ=80.9 -103.9
fwAVG=1.38
sdW=237.4
fwW=1.32
sdS=80.1
fwS=1.50
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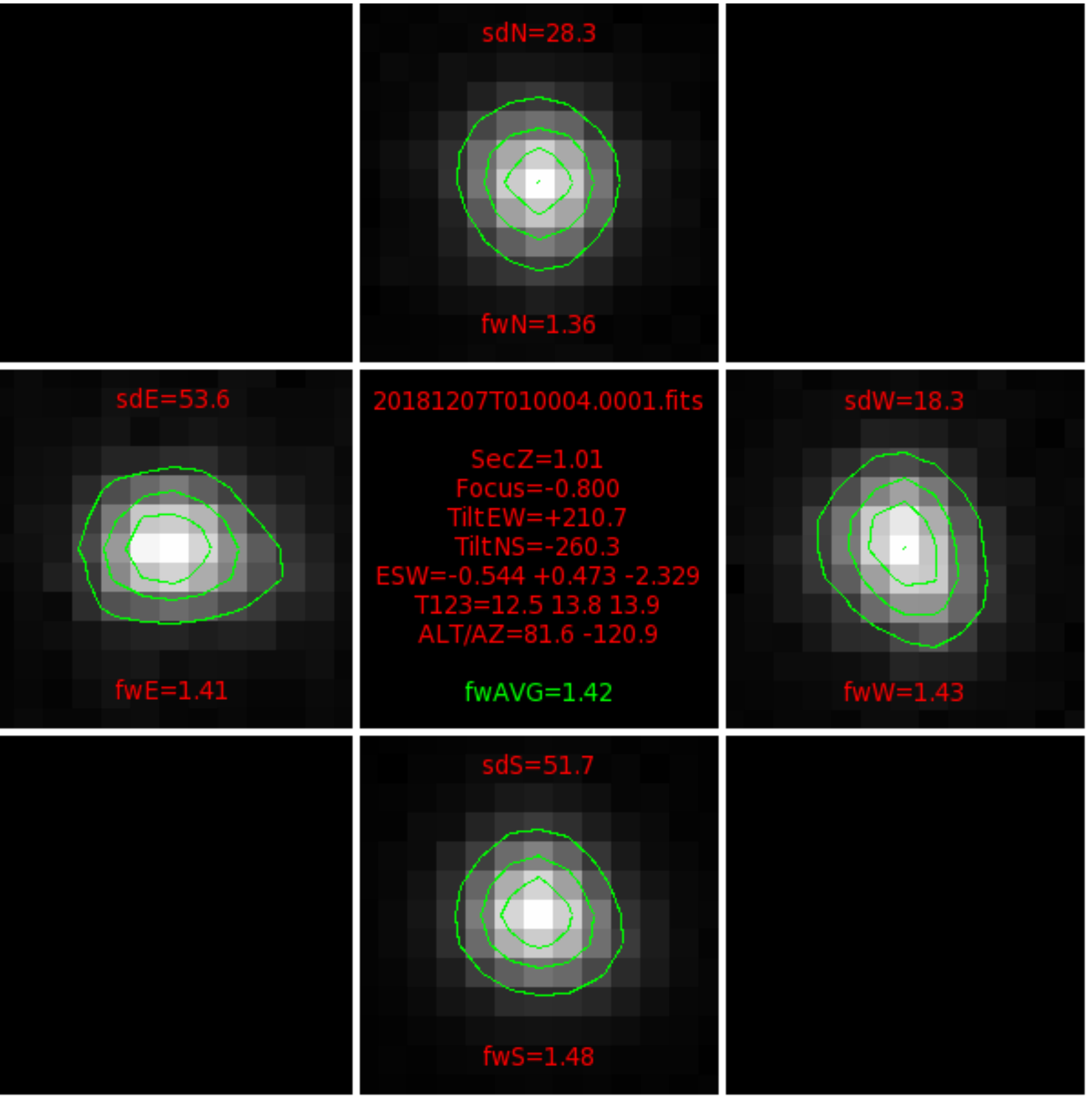
sdN=28.3
fwN=1.36
sdE=53.6
fwE=1.41
20181207T010004.0001.fits
SecZ=1.01
Focus=-0.800
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.544 +0.473 -2.329
T123=12.5 13.8 13.9
ALT/AZ=81.6 -120.9
fwAVG=1.42
sdW=18.3
fwW=1.43
sdS=51.7
fwS=1.48
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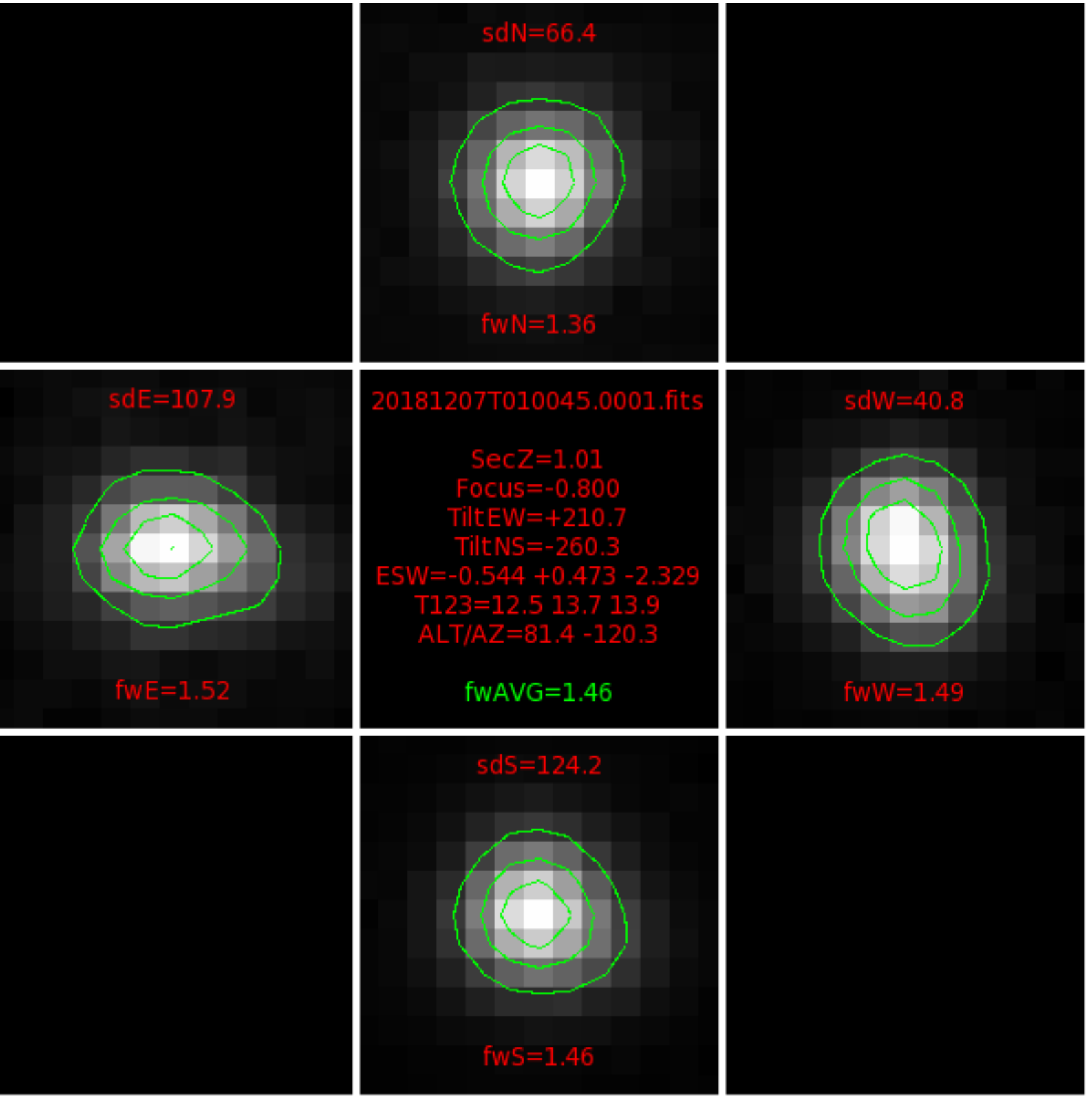
sdN=66.4
fwN=1.36
sdE=107.9
fwE=1.52
20181207T010045.0001.fits
SecZ=1.01
Focus=-0.800
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.544 +0.473 -2.329
T123=12.5 13.7 13.9
ALT/AZ=81.4 -120.3
fwAVG=1.46
sdW=40.8
fwW=1.49
sdS=124.2
fwS=1.46
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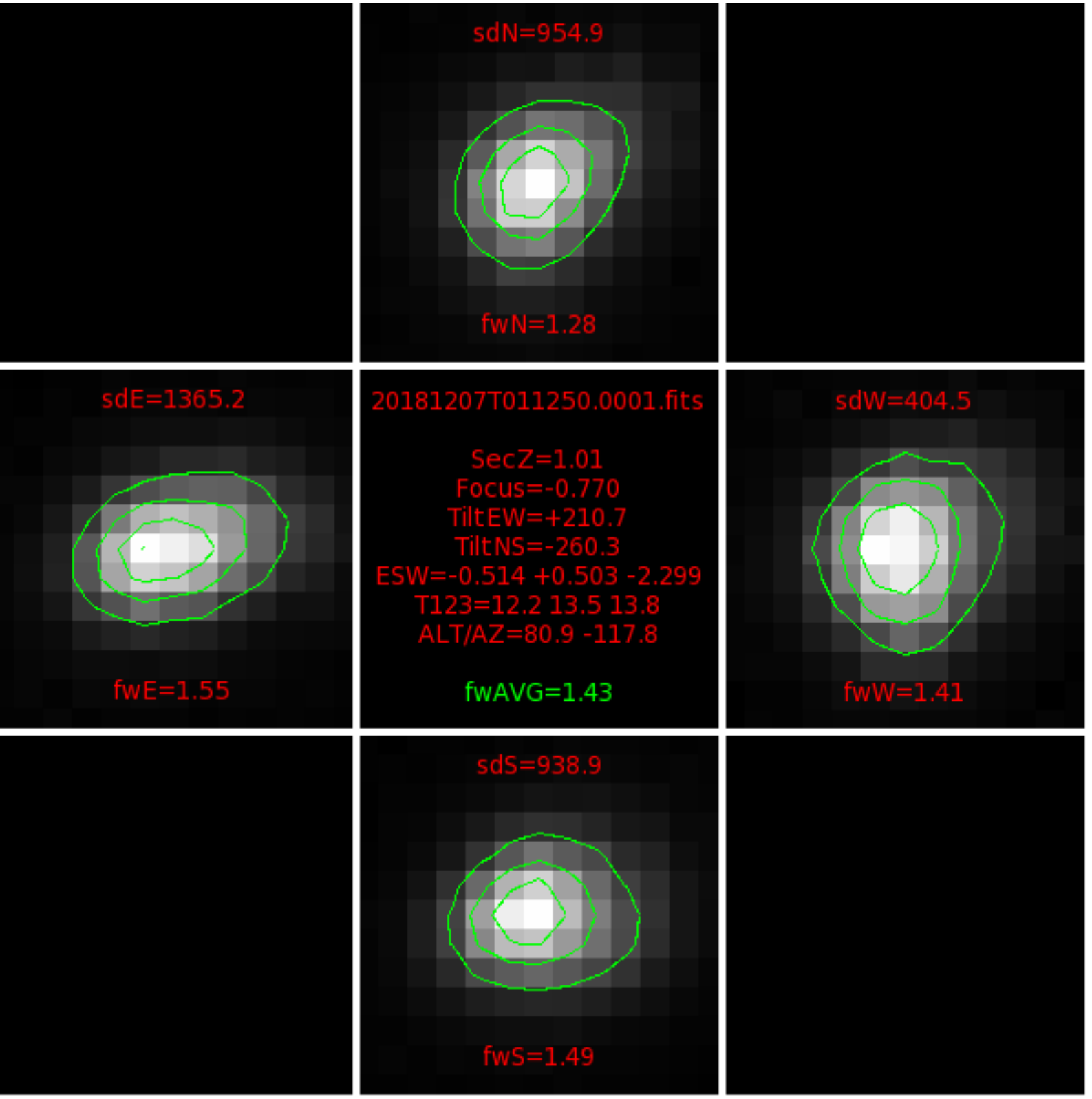
sdN=954.9
fwN=1.28
sdE=1365.2
fwE=1.55
20181207T011250.0001.fits
SecZ=1.01
Focus=-0.770
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.514 +0.503 -2.299
T123=12.2 13.5 13.8
ALT/AZ=80.9 -117.8
fwAVG=1.43
sdW=404.5
fwW=1.41
sdS=938.9
fwS=1.49
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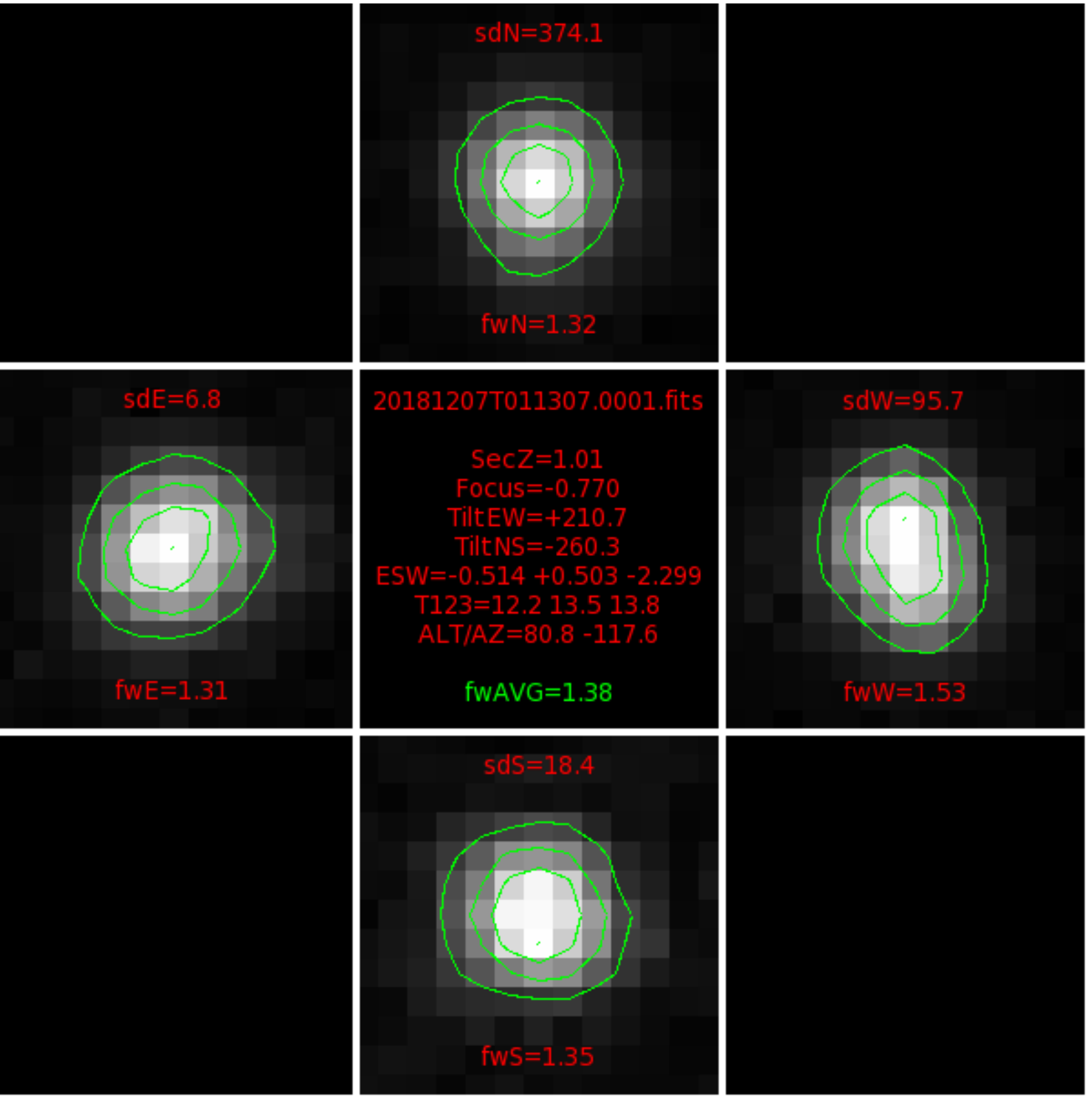
sdN=374.1
fwN=1.32
sdE=6.8
fwE=1.31
20181207T011307.0001.fits
SecZ=1.01
Focus=-0.770
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.514 +0.503 -2.299
T123=12.2 13.5 13.8
ALT/AZ=80.8 -117.6
fwAVG=1.38
sdW=95.7
fwW=1.53
sdS=18.4
fwS=1.35
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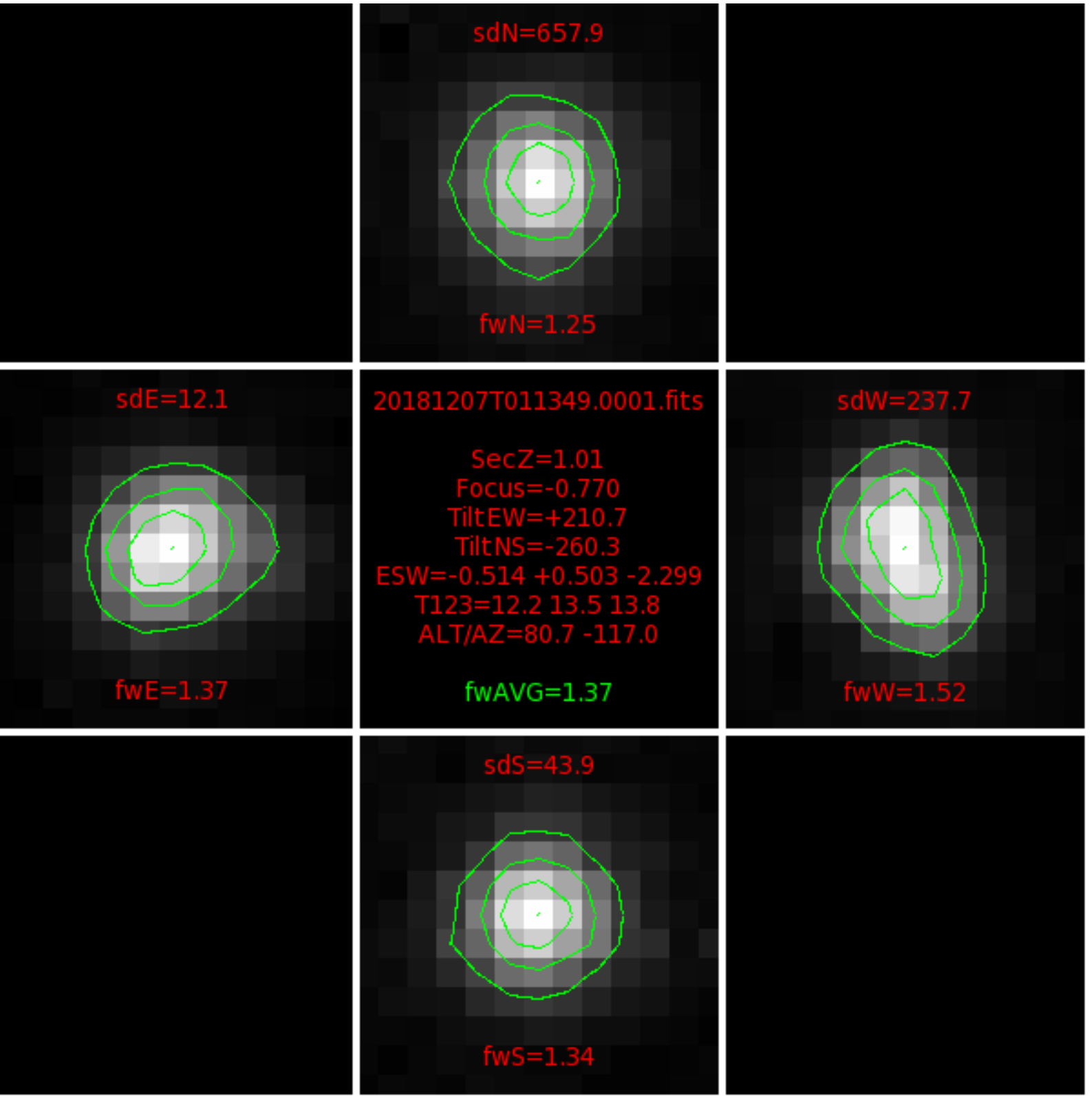
sdN=657.9
fwN=1.25
sdE=12.1
fwE=1.37
20181207T011349.0001.fits
SecZ=1.01
Focus=-0.770
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.514 +0.503 -2.299
T123=12.2 13.5 13.8
ALT/AZ=80.7 -117.0
fwAVG=1.37
sdW=237.7
fwW=1.52
sdS=43.9
fwS=1.34
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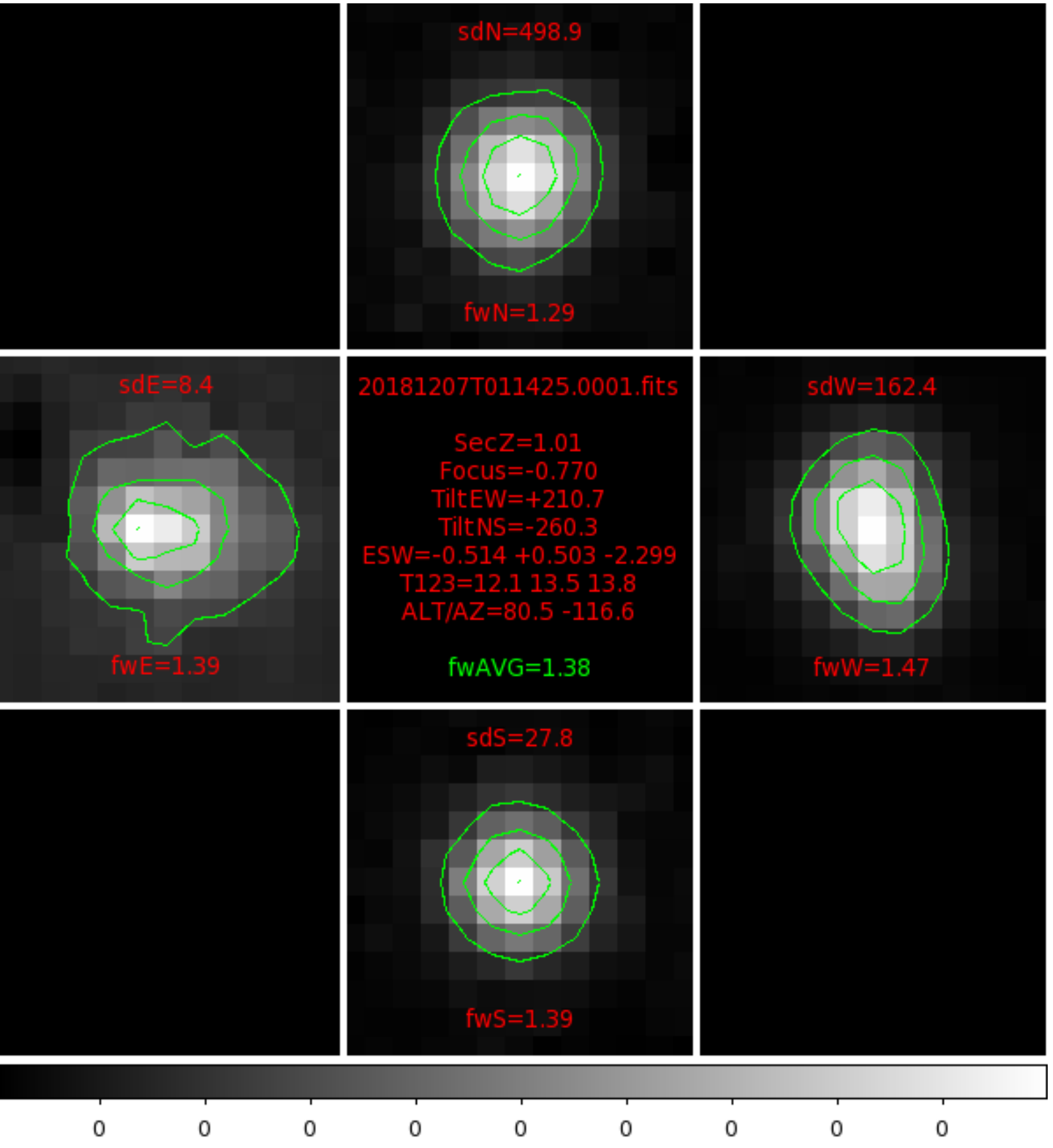
sdN=498.9
fwN=1.29
sdE=8.4
fwE=1.39
20181207T011425.0001.fits
SecZ=1.01
Focus=-0.770
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.514 +0.503 -2.299
T123=12.1 13.5 13.8
ALT/AZ=80.5 -116.6
fwAVG=1.38
sdW=162.4
fwW=1.47
sdS=27.8
fwS=1.39
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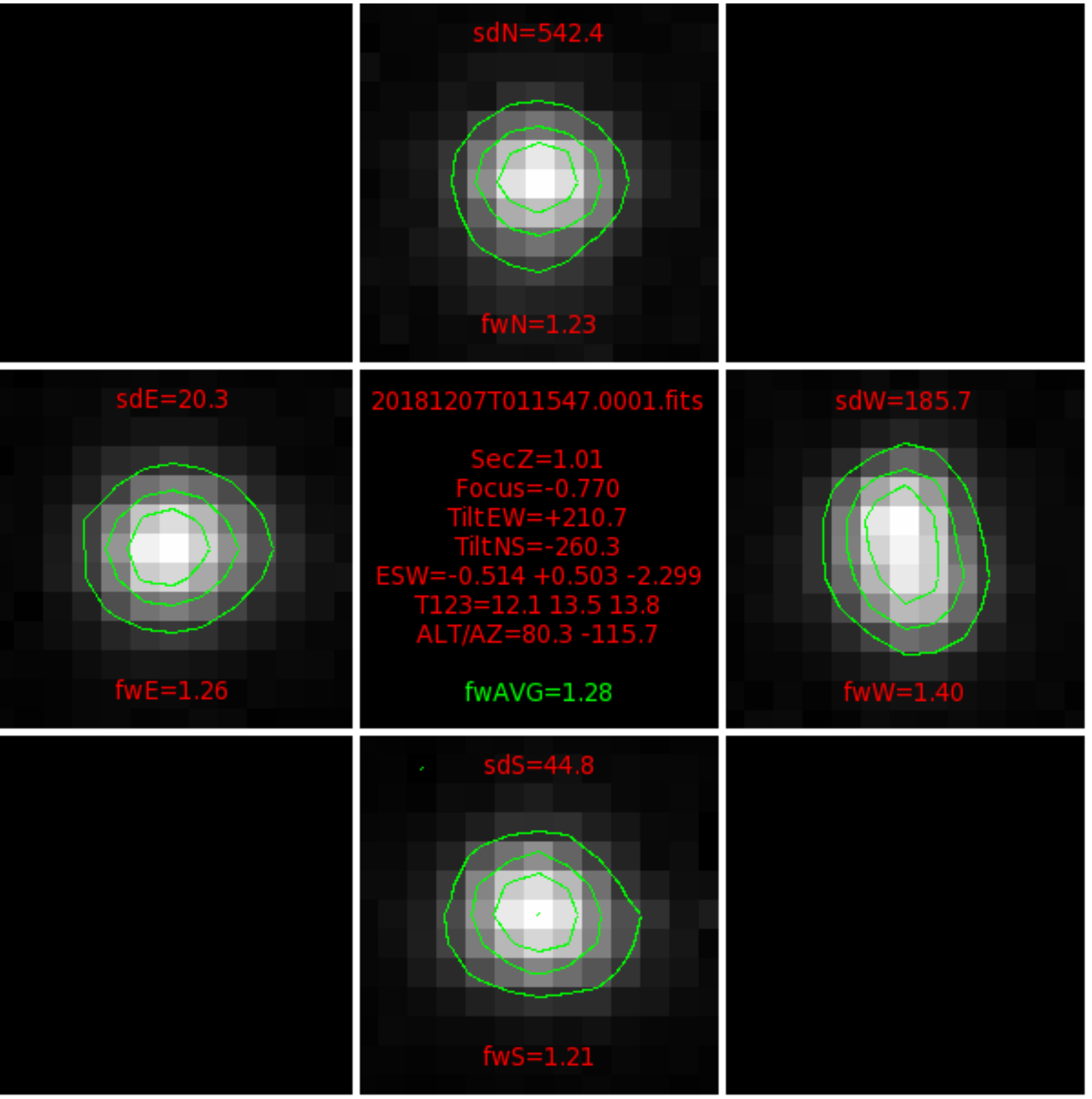
sdN=542.4
fwN=1.23
sdE=20.3
fwE=1.26
20181207T011547.0001.fits
SecZ=1.01
Focus=-0.770
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.514 +0.503 -2.299
T123=12.1 13.5 13.8
ALT/AZ=80.3 -115.7
fwAVG=1.28
sdW=185.7
fwW=1.40
sdS=44.8
fwS=1.21
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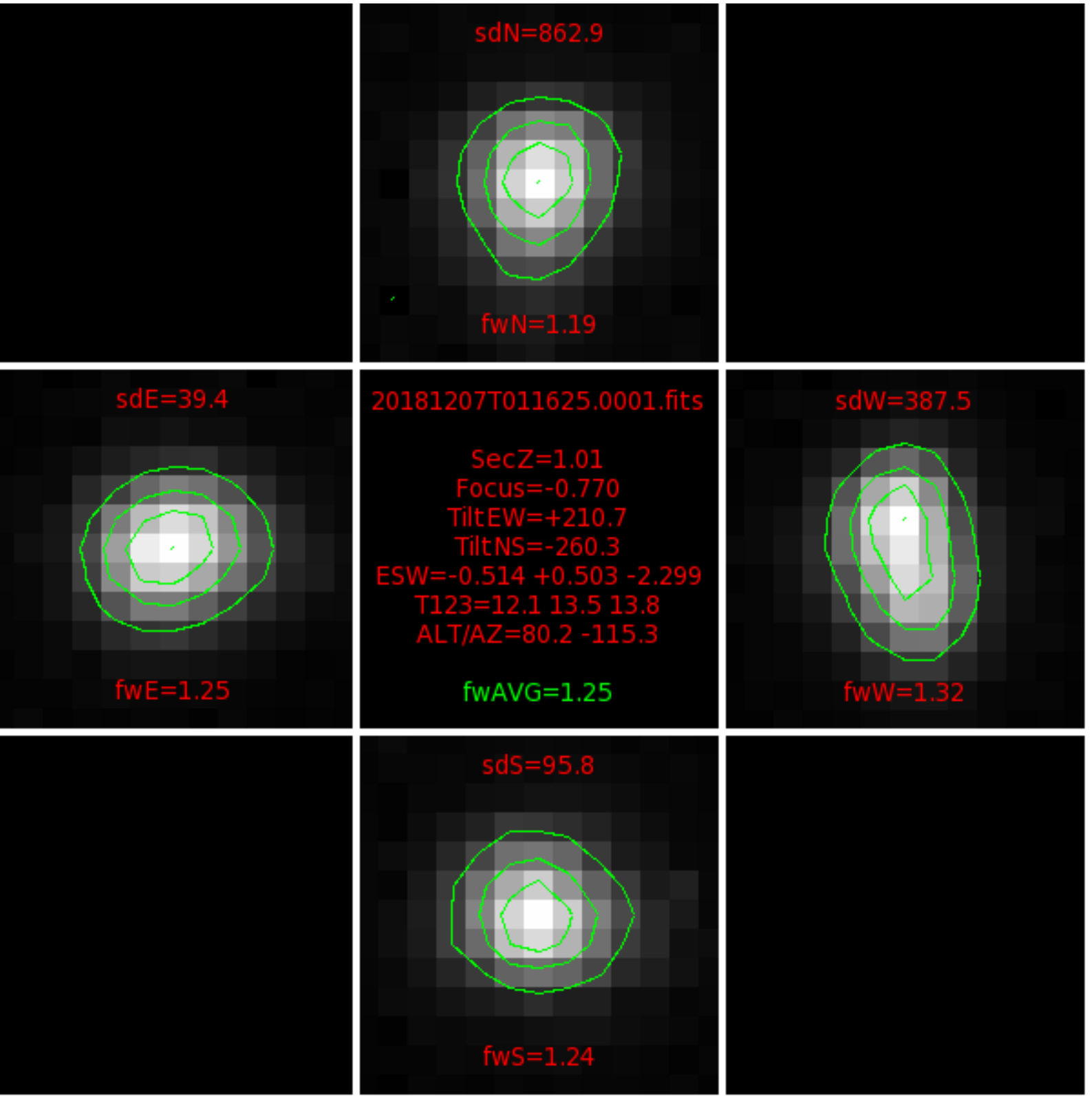
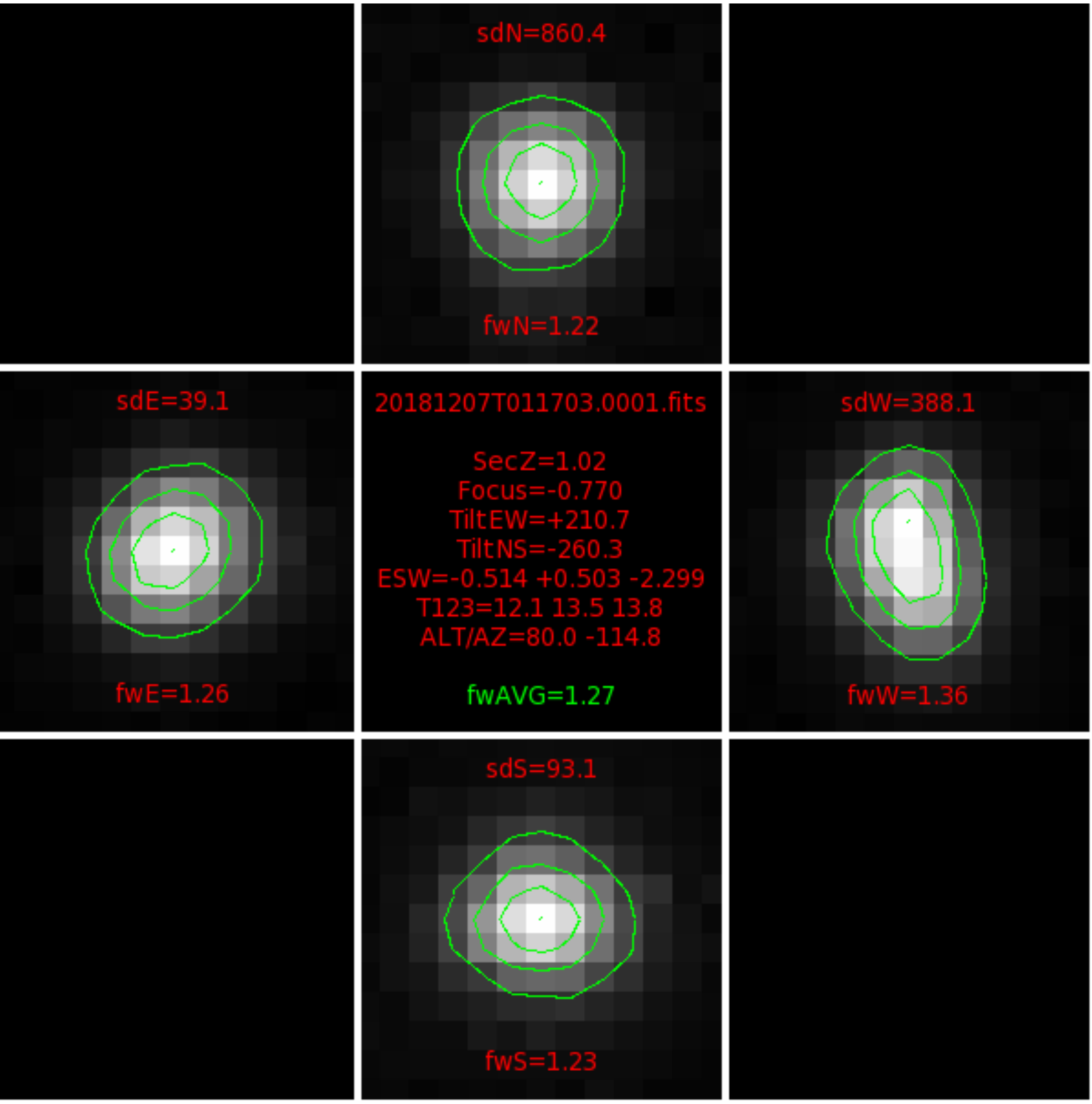
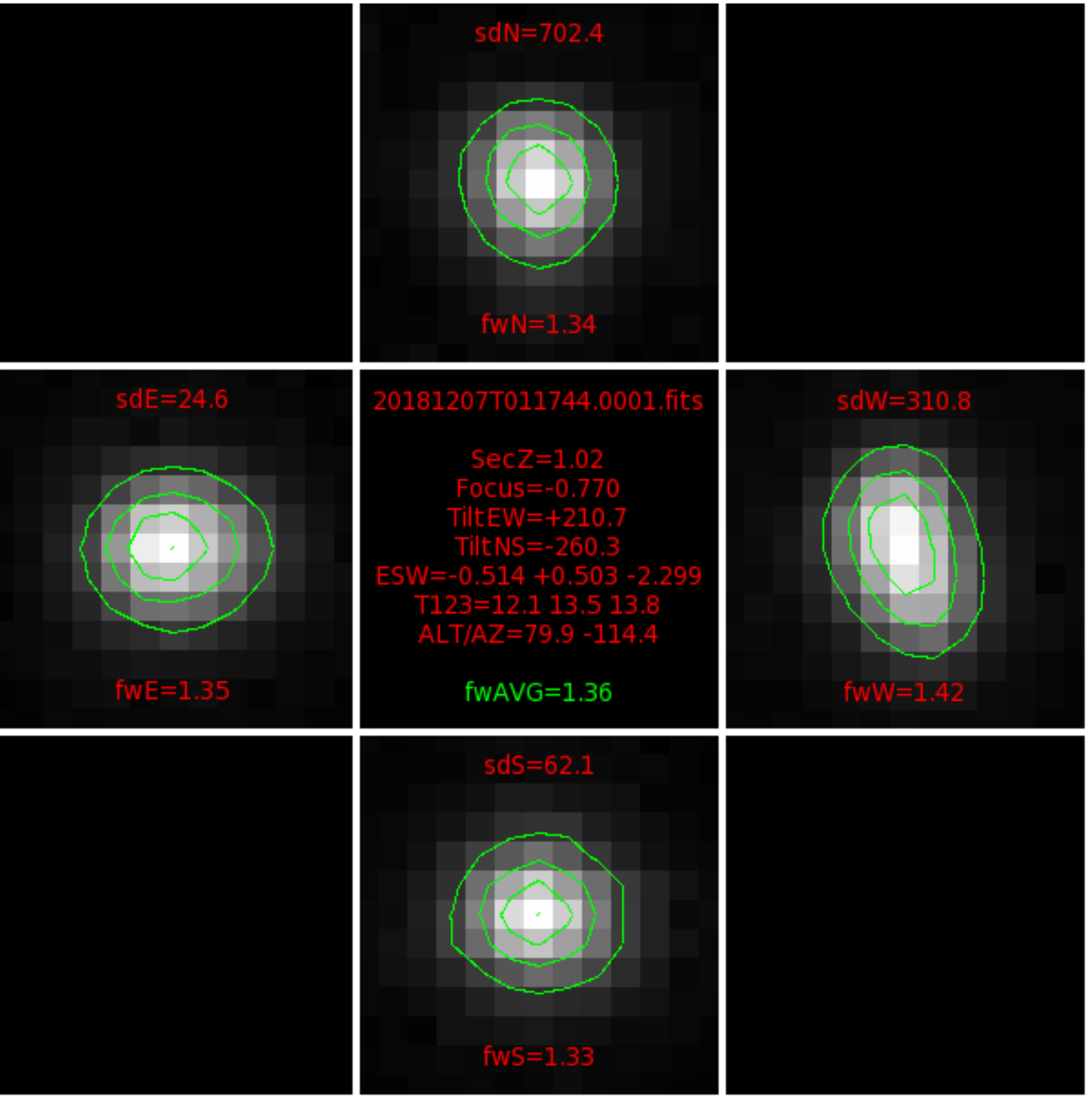
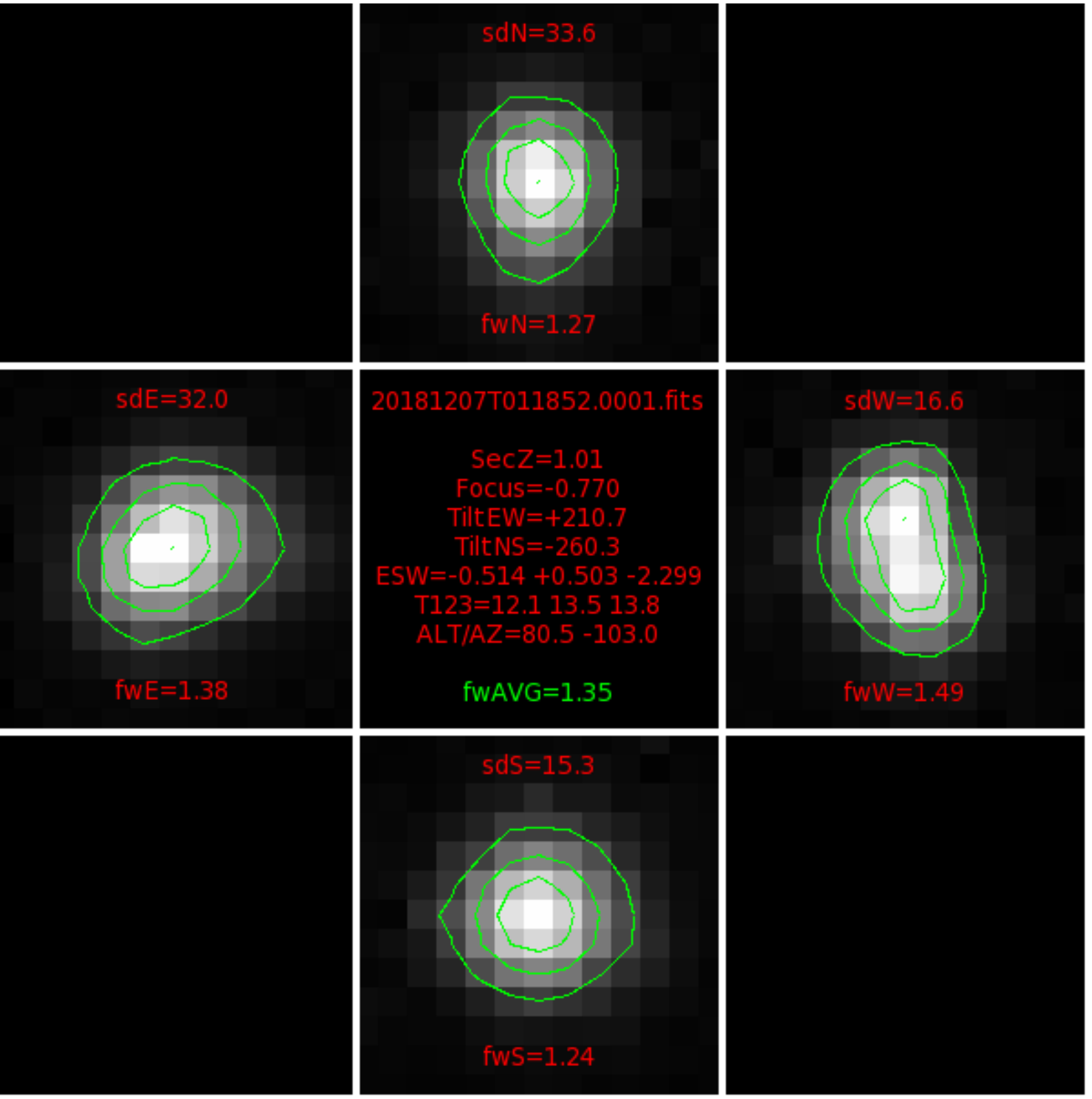

sdN=862.9
fwN=1.19
sdE=39.4
fwE=1.25
20181207T011625.0001.fits
SecZ=1.01
Focus=-0.770
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.514 +0.503 -2.299
T123=12.1 13.5 13.8
ALT/AZ=80.2 -115.3
fwAVG=1.25
sdW=387.5
fwW=1.32
sdS=95.8
fwS=1.24
0 0 0 0 0 0 0 0 0


sdN=860.4
fwN=1.22
sdE=39.1
fwE=1.26
20181207T011703.0001.fits
SecZ=1.02
Focus=-0.770
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.514 +0.503 -2.299
T123=12.1 13.5 13.8
ALT/AZ=80.0 -114.8
fwAVG=1.27
sdW=388.1
fwW=1.36
sdS=93.1
fwS=1.23
0 0 0 0 0 0 0 0 0


sdN=702.4
fwN=1.34
sdE=24.6
fwE=1.35
20181207T011744.0001.fits
SecZ=1.02
Focus=-0.770
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.514 +0.503 -2.299
T123=12.1 13.5 13.8
ALT/AZ=79.9 -114.4
fwAVG=1.36
sdW=310.8
fwW=1.42
sdS=62.1
fwS=1.33
0 0 0 0 0 0 0 0 0


sdN=33.6
fwN=1.27
sdE=32.0
fwE=1.38
20181207T011852.0001.fits
SecZ=1.01
Focus=-0.770
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.514 +0.503 -2.299
T123=12.1 13.5 13.8
ALT/AZ=80.5 -103.0
fwAVG=1.35
sdW=16.6
fwW=1.49
sdS=15.3
fwS=1.24
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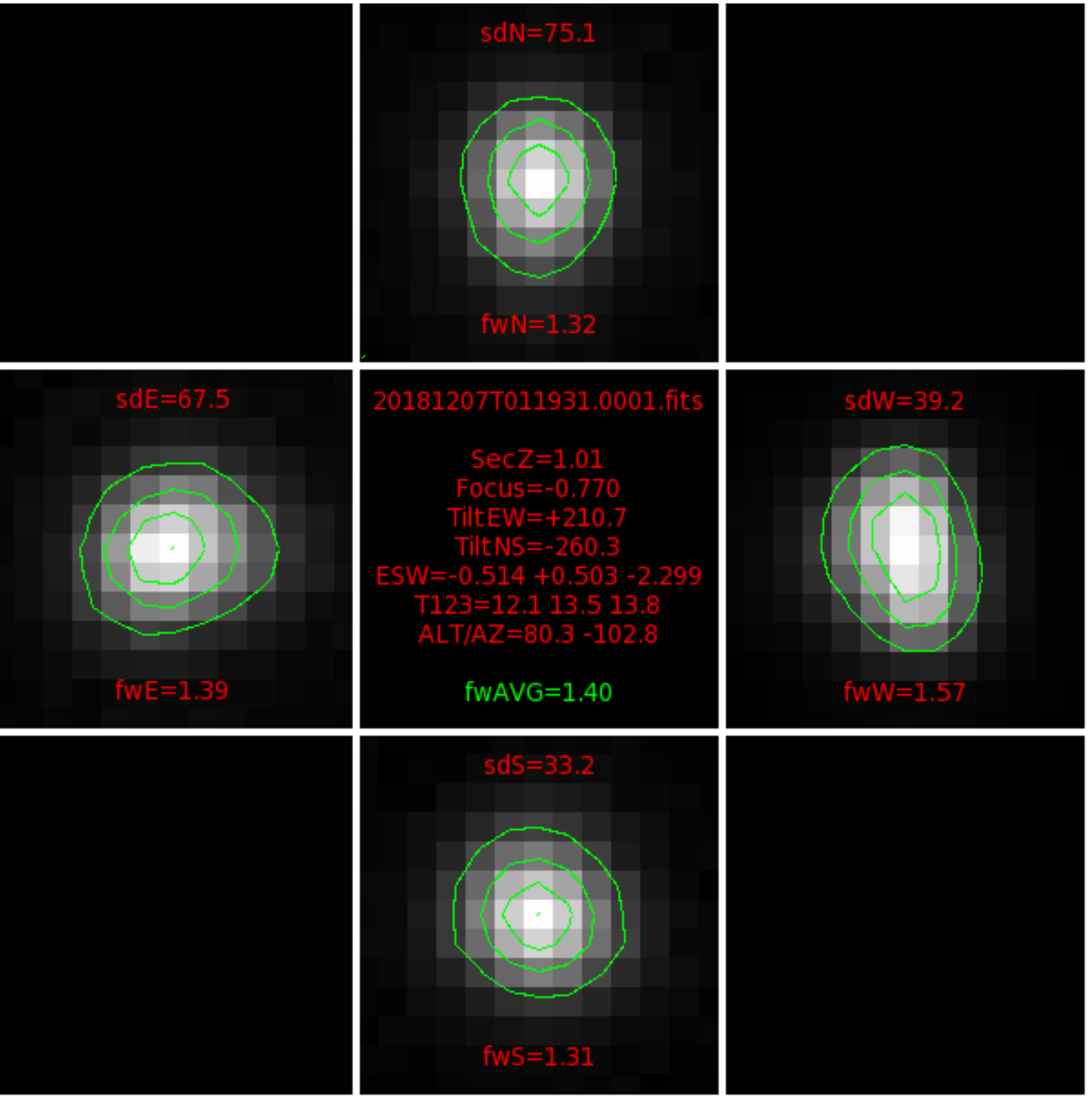
sdN=75.1
fwN=1.32
sdE=67.5
fwE=1.39
20181207T011931.0001.fits
SecZ=1.01
Focus=-0.770
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.514 +0.503 -2.299
T123=12.1 13.5 13.8
ALT/AZ=80.3 -102.8
fwAVG=1.40
sdW=39.2
fwW=1.57
sdS=33.2
fwS=1.31
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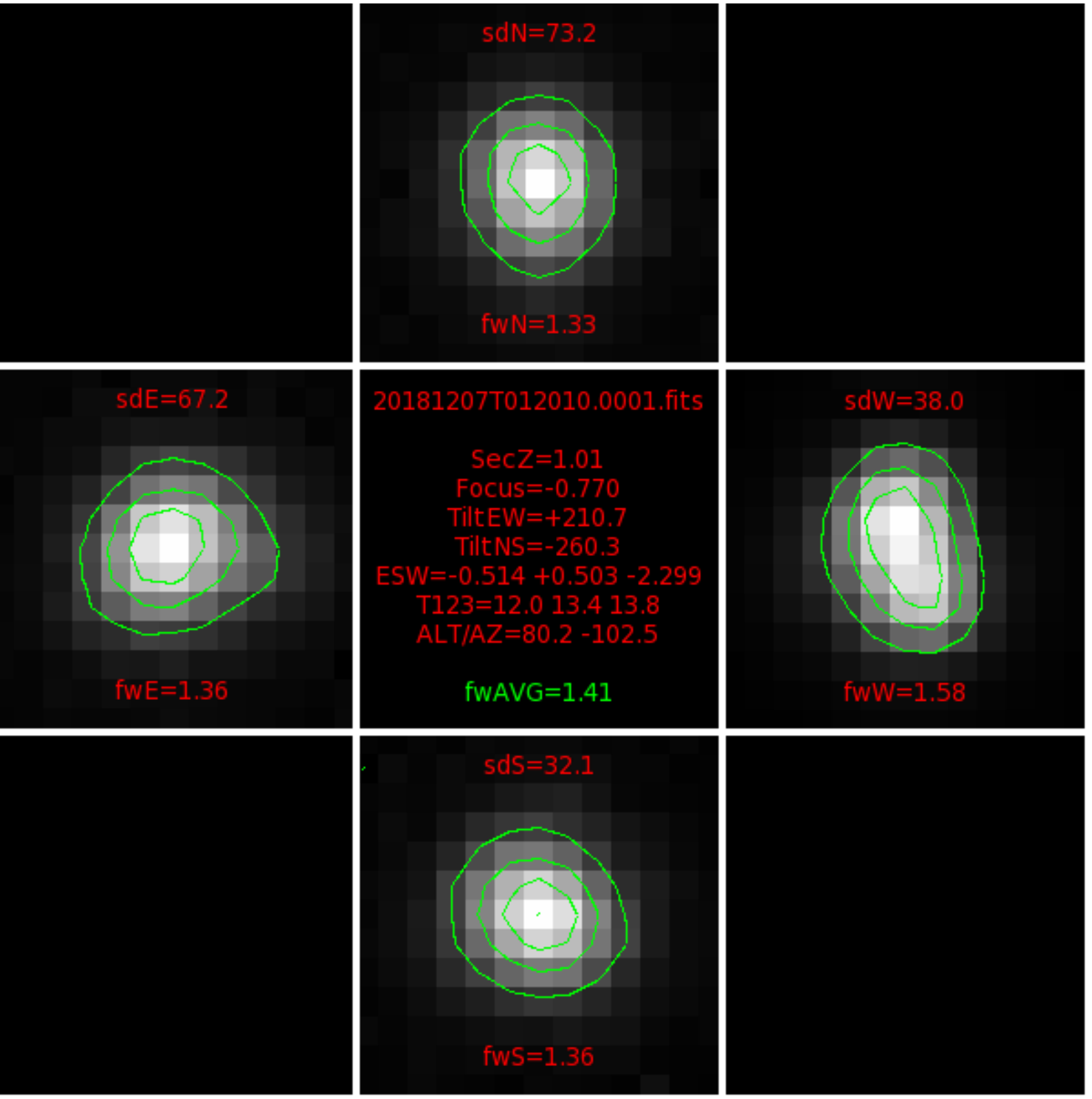
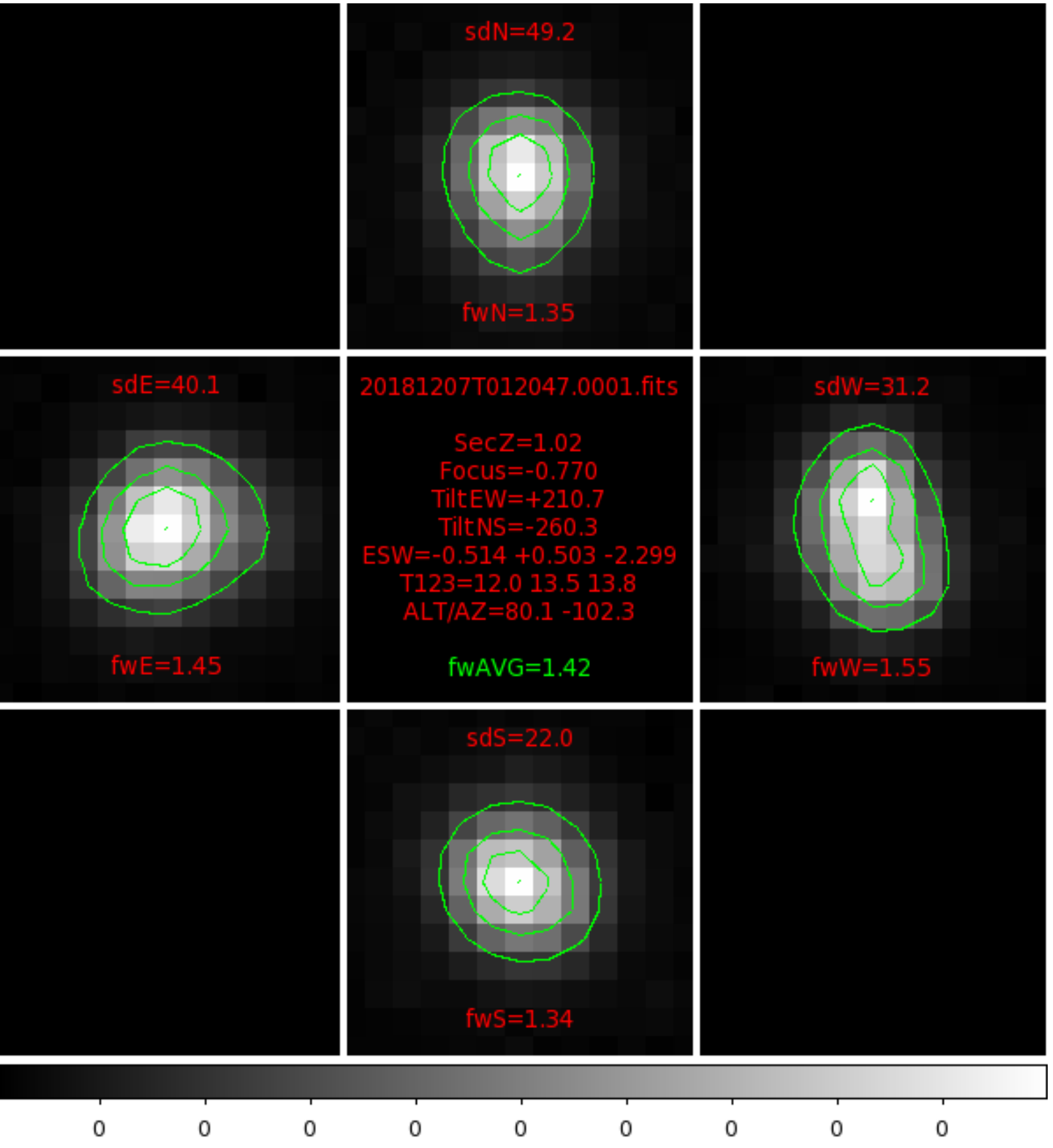
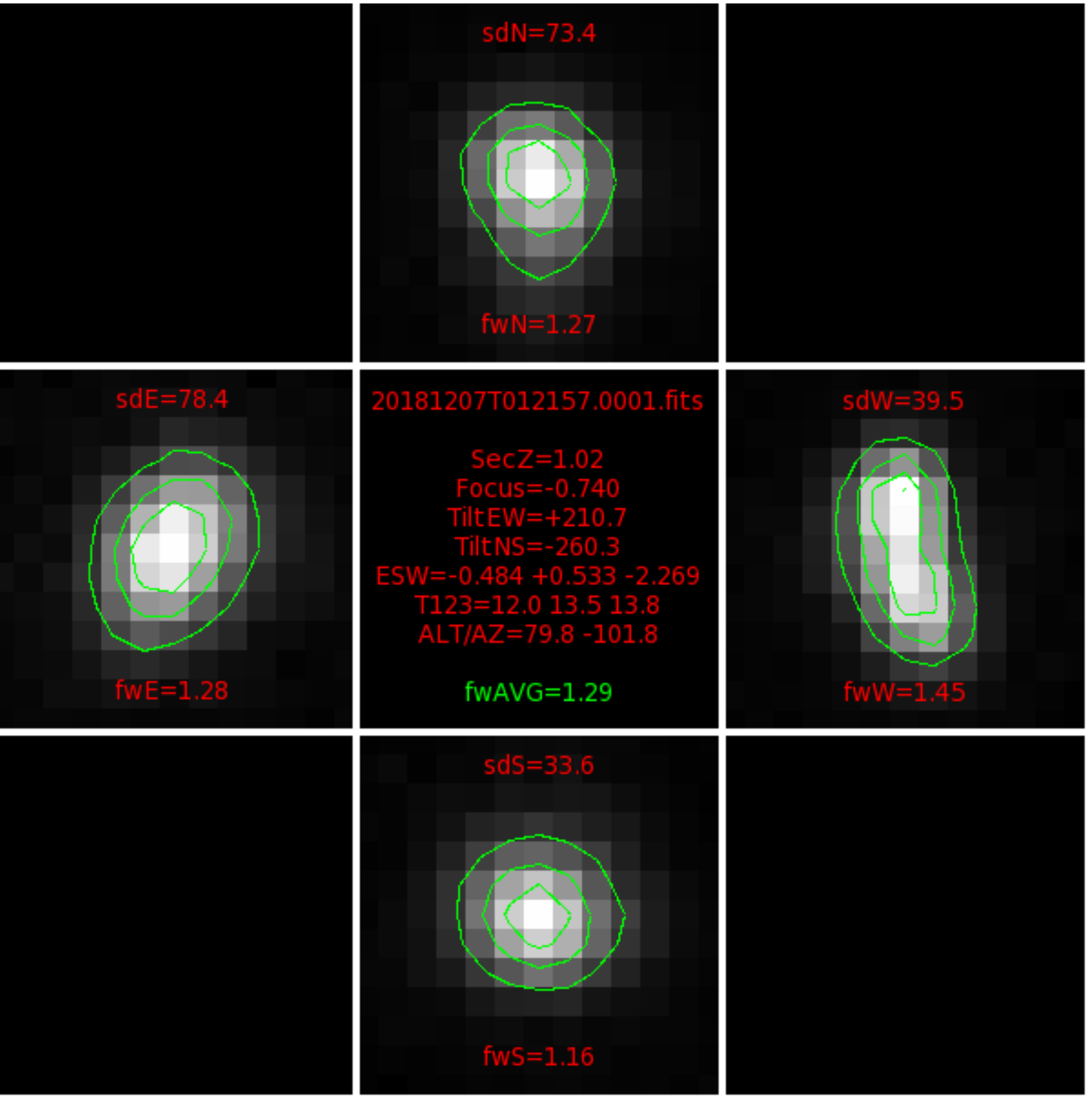

sdN=73.2
fwN=1.33
sdE=67.2
fwE=1.36
20181207T012010.0001.fits
SecZ=1.01
Focus=-0.770
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.514 +0.503 -2.299
T123=12.0 13.4 13.8
ALT/AZ=80.2 -102.5
fwAVG=1.41
sdW=38.0
fwW=1.58
sdS=32.1
fwS=1.36
0 0 0 0 0 0 0 0 0


sdN=49.2
fwN=1.35
sdE=40.1
fwE=1.45
20181207T012047.0001.fits
SecZ=1.02
Focus=-0.770
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.514 +0.503 -2.299
T123=12.0 13.5 13.8
ALT/AZ=80.1 -102.3
fwAVG=1.42
sdW=31.2
fwW=1.55
sdS=22.0
fwS=1.34
0 0 0 0 0 0 0 0 0


sdN=73.4
fwN=1.27
sdE=78.4
fwE=1.28
20181207T012157.0001.fits
SecZ=1.02
Focus=-0.740
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.484 +0.533 -2.269
T123=12.0 13.5 13.8
ALT/AZ=79.8 -101.8
fwAVG=1.29
sdW=39.5
fwW=1.45
sdS=33.6
fwS=1.16
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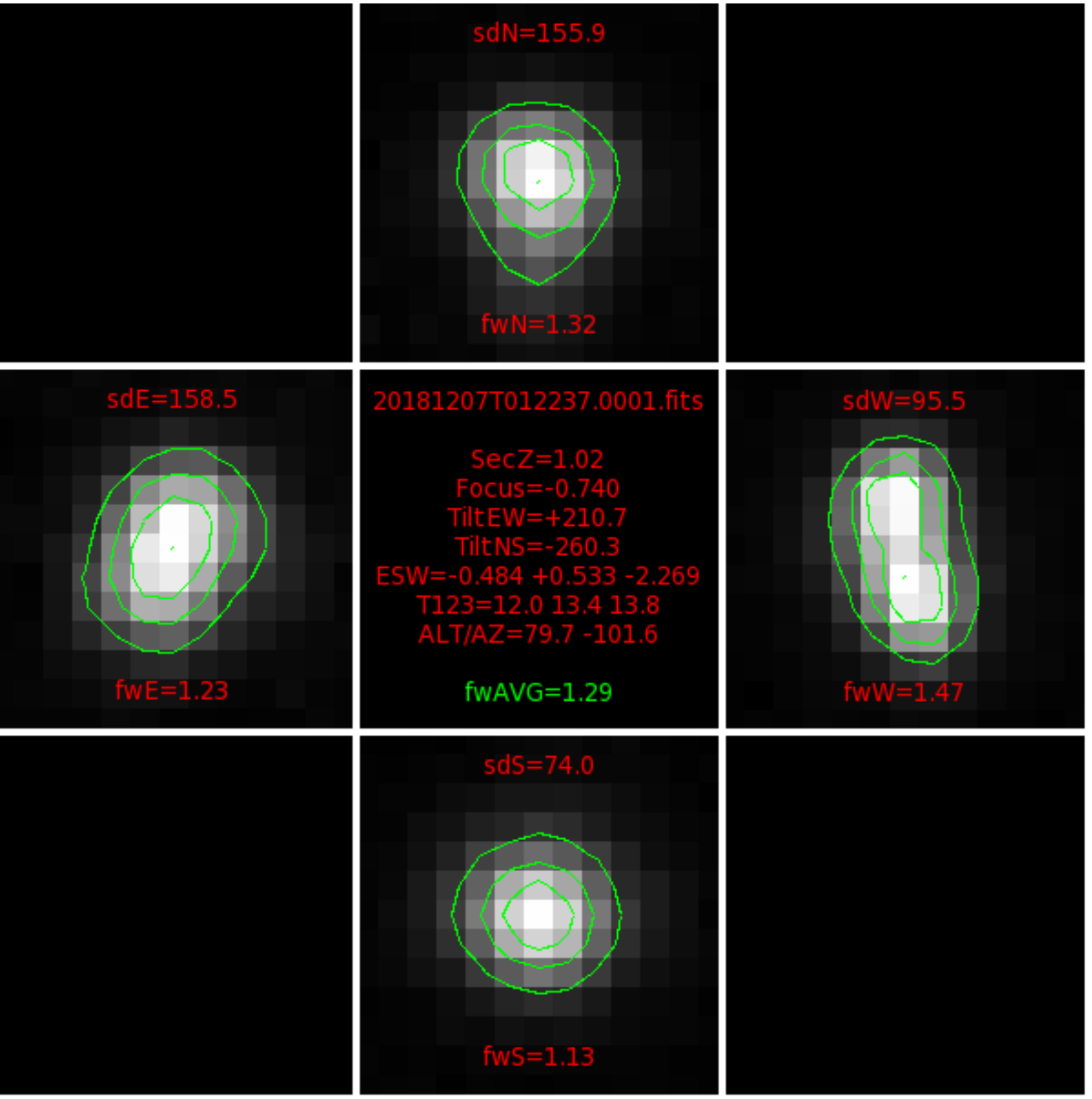
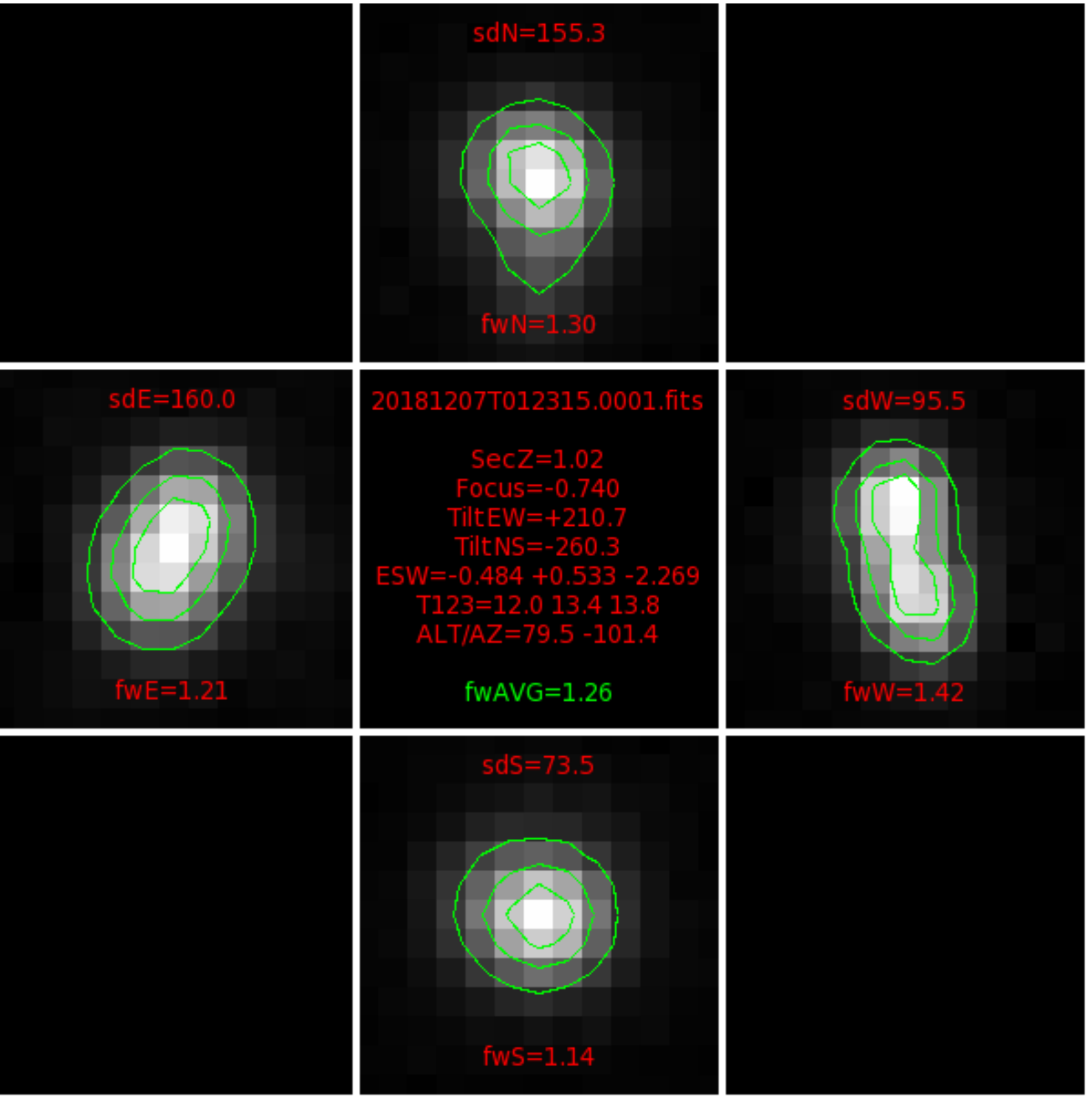

sdN=155.9
fwN=1.32
sdE=158.5
fwE=1.23
20181207T012237.0001.fits
SecZ=1.02
Focus=-0.740
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.484 +0.533 -2.269
T123=12.0 13.4 13.8
ALT/AZ=79.7 -101.6
fwAVG=1.29
sdW=95.5
fwW=1.47
sdS=74.0
fwS=1.13
0 0 0 0 0 0 0 0 0


sdN=155.3
fwN=1.30
sdE=160.0
fwE=1.21
20181207T012315.0001.fits
SecZ=1.02
Focus=-0.740
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.484 +0.533 -2.269
T123=12.0 13.4 13.8
ALT/AZ=79.5 -101.4
fwAVG=1.26
sdW=95.5
fwW=1.42
sdS=73.5
fwS=1.14
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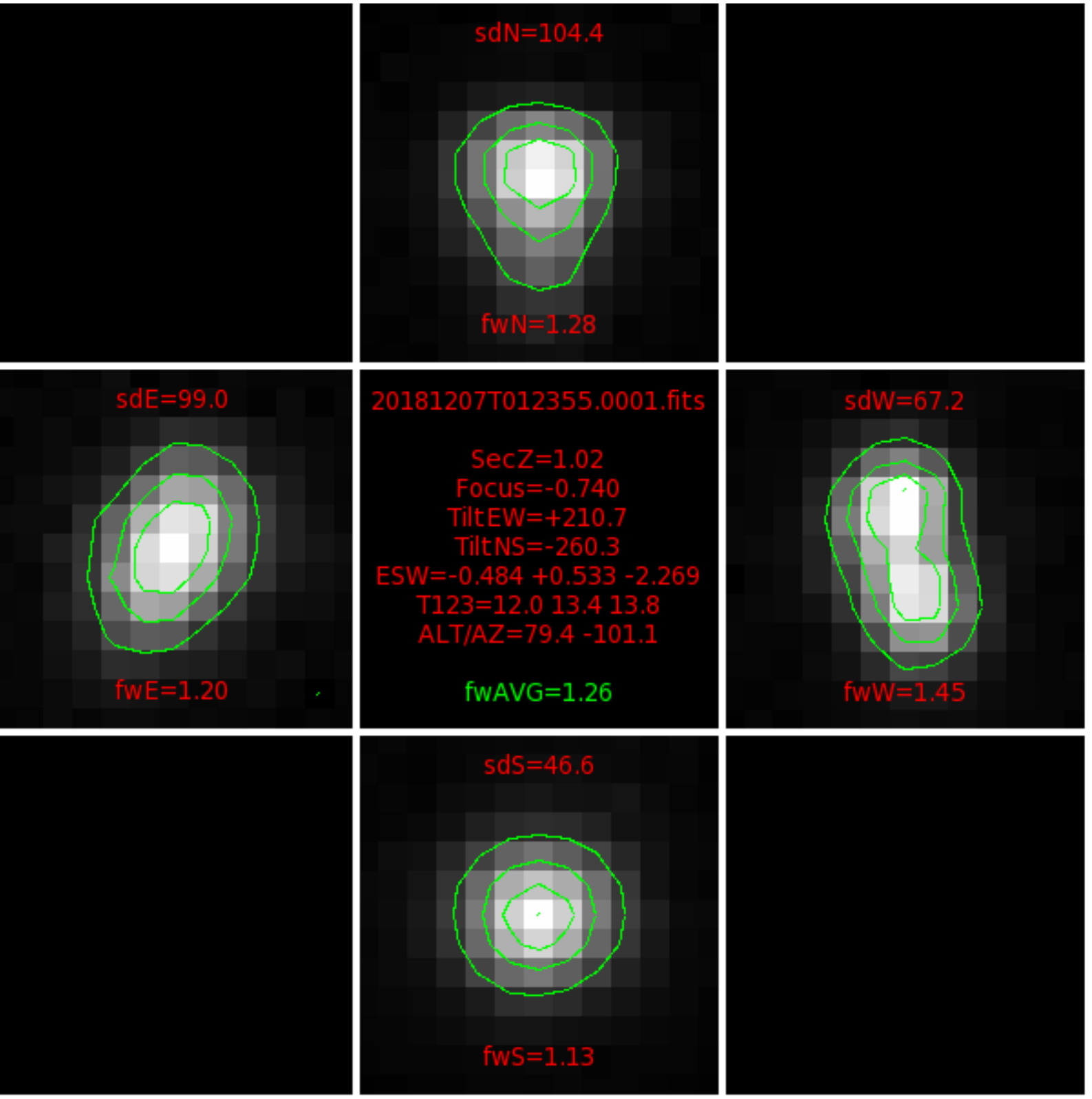
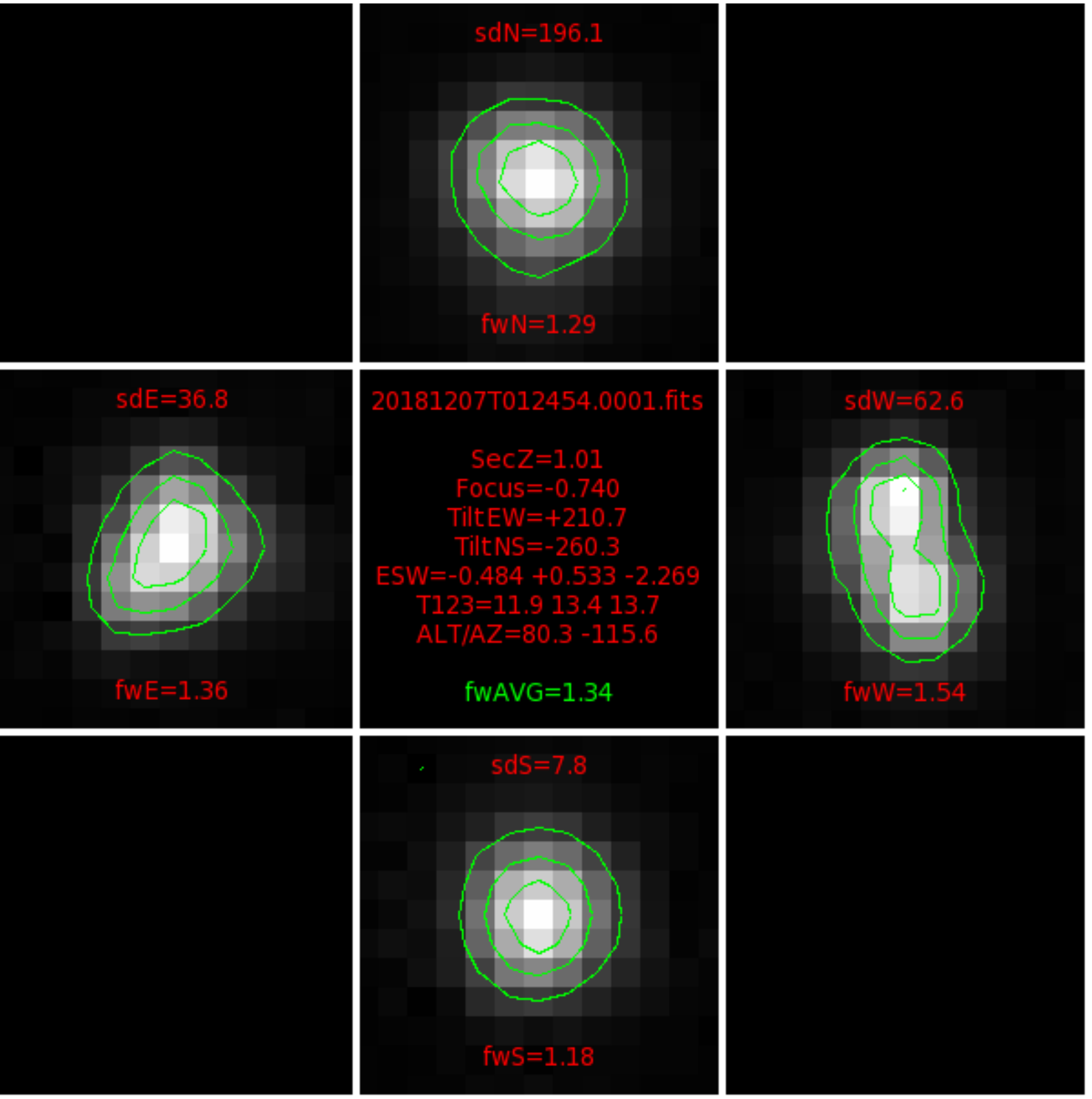

sdN=104.4
fwN=1.28
sdE=99.0
fwE=1.20
20181207T012355.0001.fits
SecZ=1.02
Focus=-0.740
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.484 +0.533 -2.269
T123=12.0 13.4 13.8
ALT/AZ=79.4 -101.1
fwAVG=1.26
sdW=67.2
fwW=1.45
sdS=46.6
fwS=1.13
0 0 0 0 0 0 0 0 0


sdN=196.1
fwN=1.29
sdE=36.8
fwE=1.36
20181207T012454.0001.fits
SecZ=1.01
Focus=-0.740
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.484 +0.533 -2.269
T123=11.9 13.4 13.7
ALT/AZ=80.3 -115.6
fwAVG=1.34
sdW=62.6
fwW=1.54
sdS=7.8
fwS=1.18
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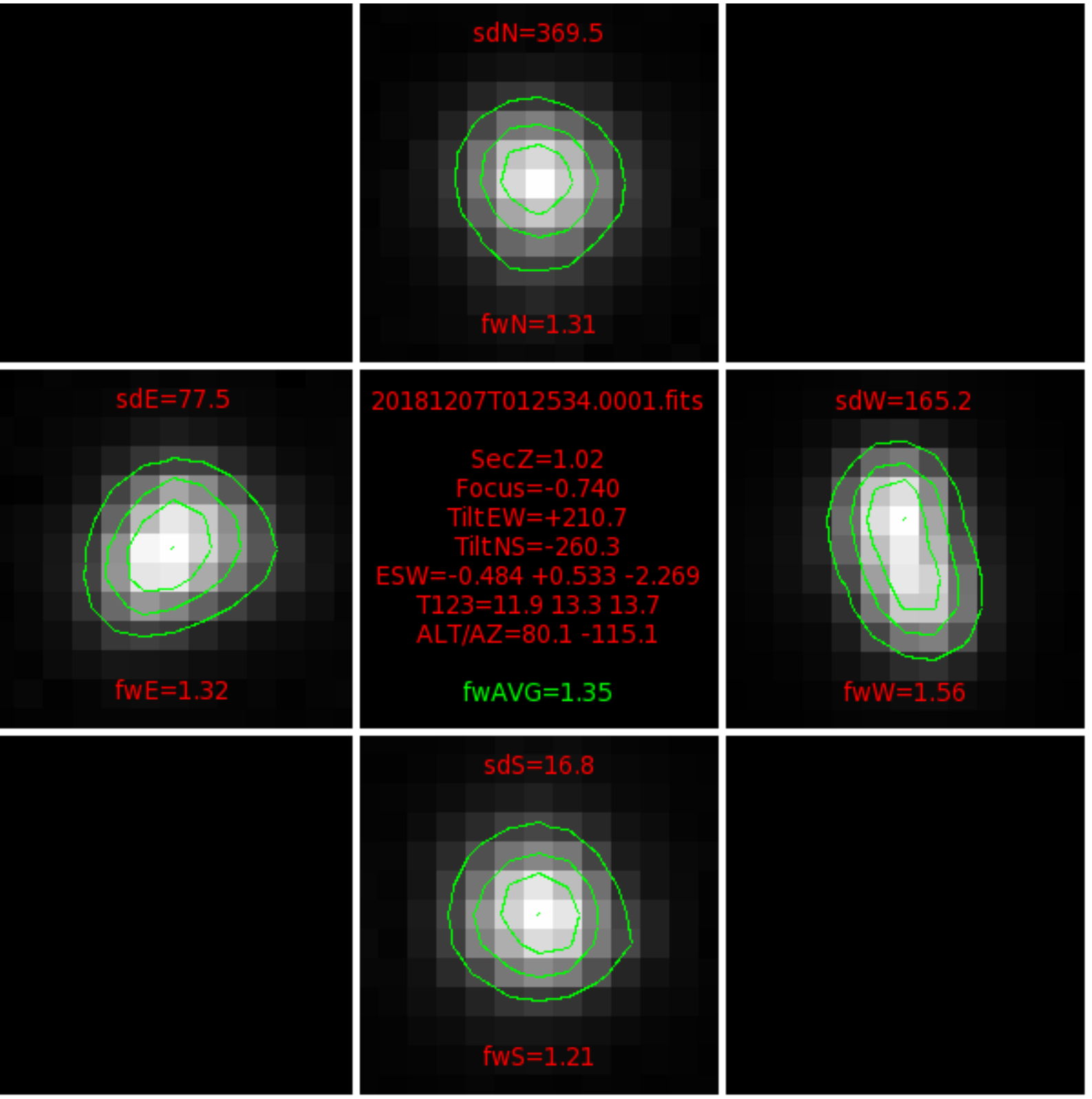
sdN=369.5
fwN=1.31
sdE=77.5
fwE=1.32
20181207T012534.0001.fits
SecZ=1.02
Focus=-0.740
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.484 +0.533 -2.269
T123=11.9 13.3 13.7
ALT/AZ=80.1 -115.1
fwAVG=1.35
sdW=165.2
fwW=1.56
sdS=16.8
fwS=1.21
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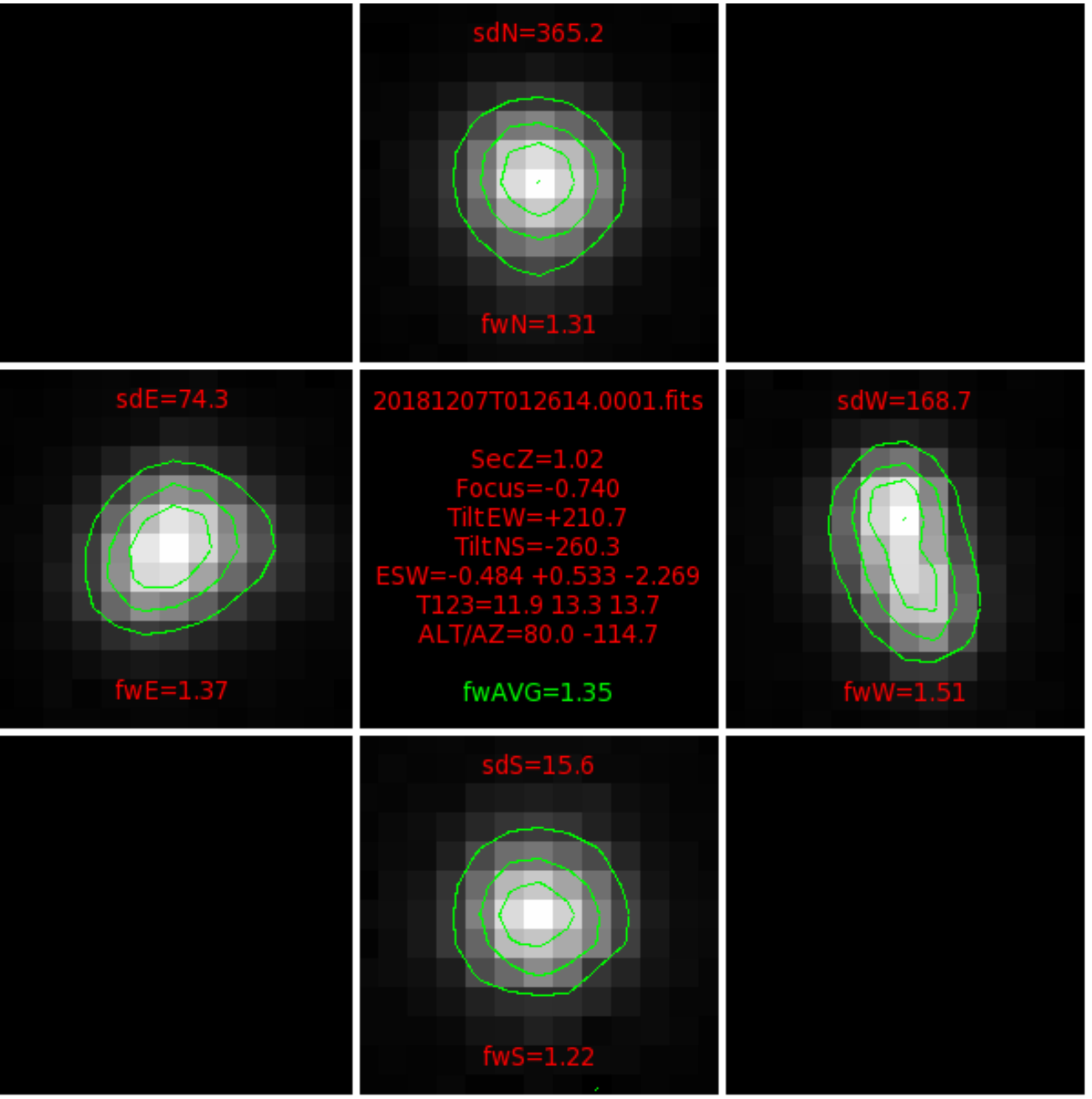
sdN=365.2
fwN=1.31
sdE=74.3
fwE=1.37
20181207T012614.0001.fits
SecZ=1.02
Focus=-0.740
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.484 +0.533 -2.269
T123=11.9 13.3 13.7
ALT/AZ=80.0 -114.7
fwAVG=1.35
sdW=168.7
fwW=1.51
sdS=15.6
fwS=1.22
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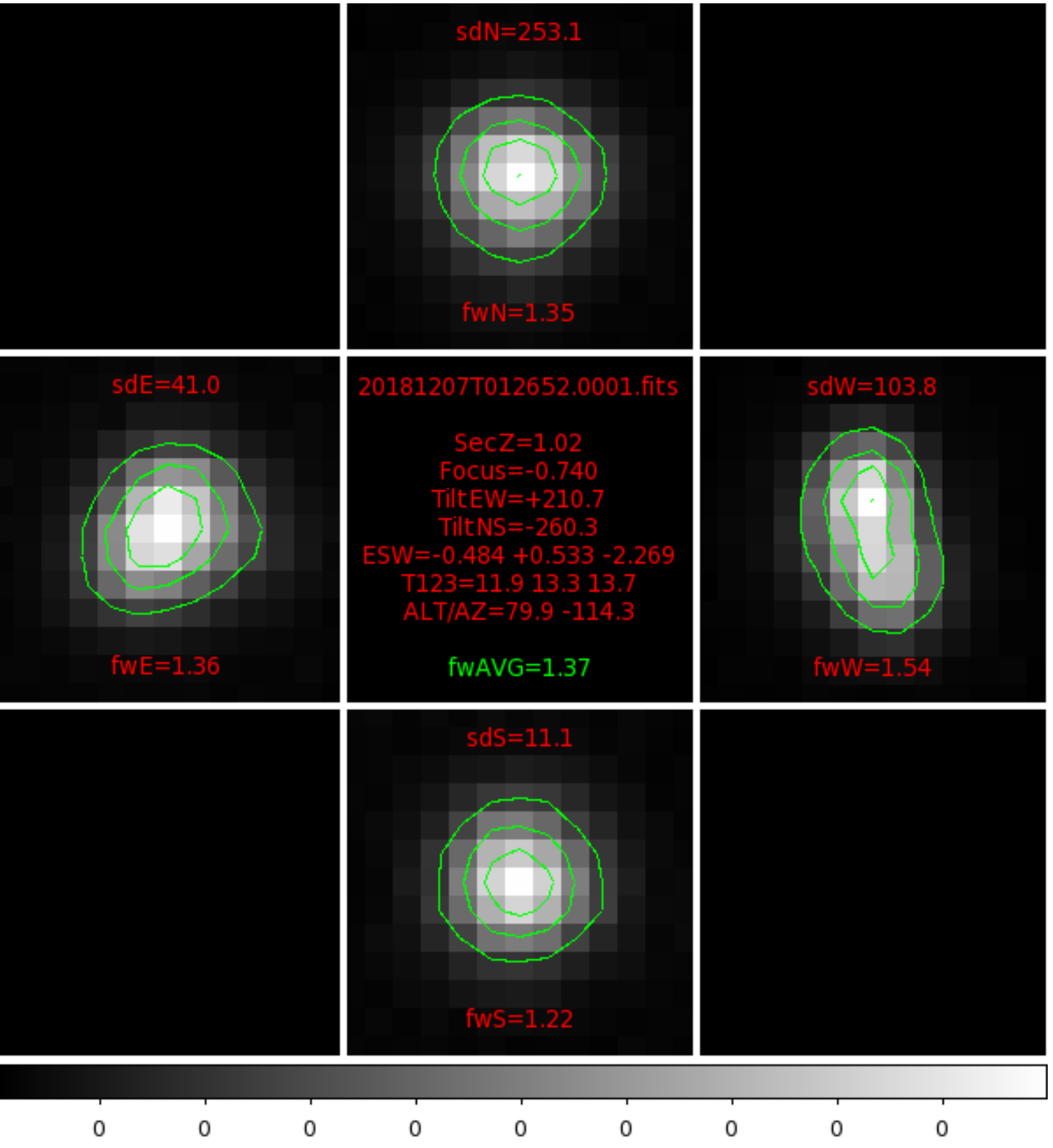
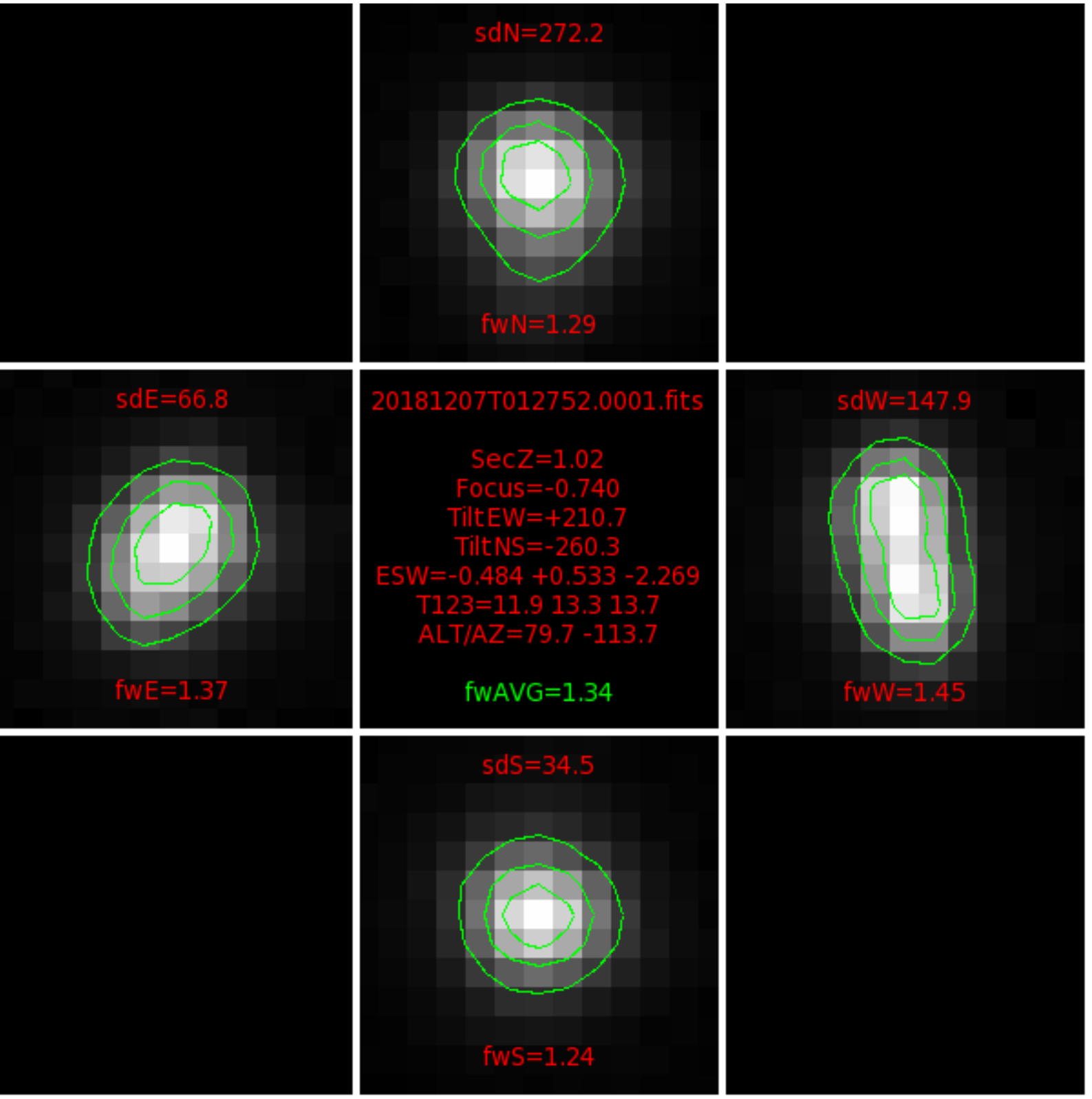

sdN=253.1
fwN=1.35
sdE=41.0
fwE=1.36
20181207T012652.0001.fits
SecZ=1.02
Focus=-0.740
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.484 +0.533 -2.269
T123=11.9 13.3 13.7
ALT/AZ=79.9 -114.3
fwAVG=1.37
sdW=103.8
fwW=1.54
sdS=11.1
fwS=1.22
0 0 0 0 0 0 0 0 0


sdN=272.2
fwN=1.29
sdE=66.8
fwE=1.37
20181207T012752.0001.fits
SecZ=1.02
Focus=-0.740
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.484 +0.533 -2.269
T123=11.9 13.3 13.7
ALT/AZ=79.7 -113.7
fwAVG=1.34
sdW=147.9
fwW=1.45
sdS=34.5
fwS=1.24
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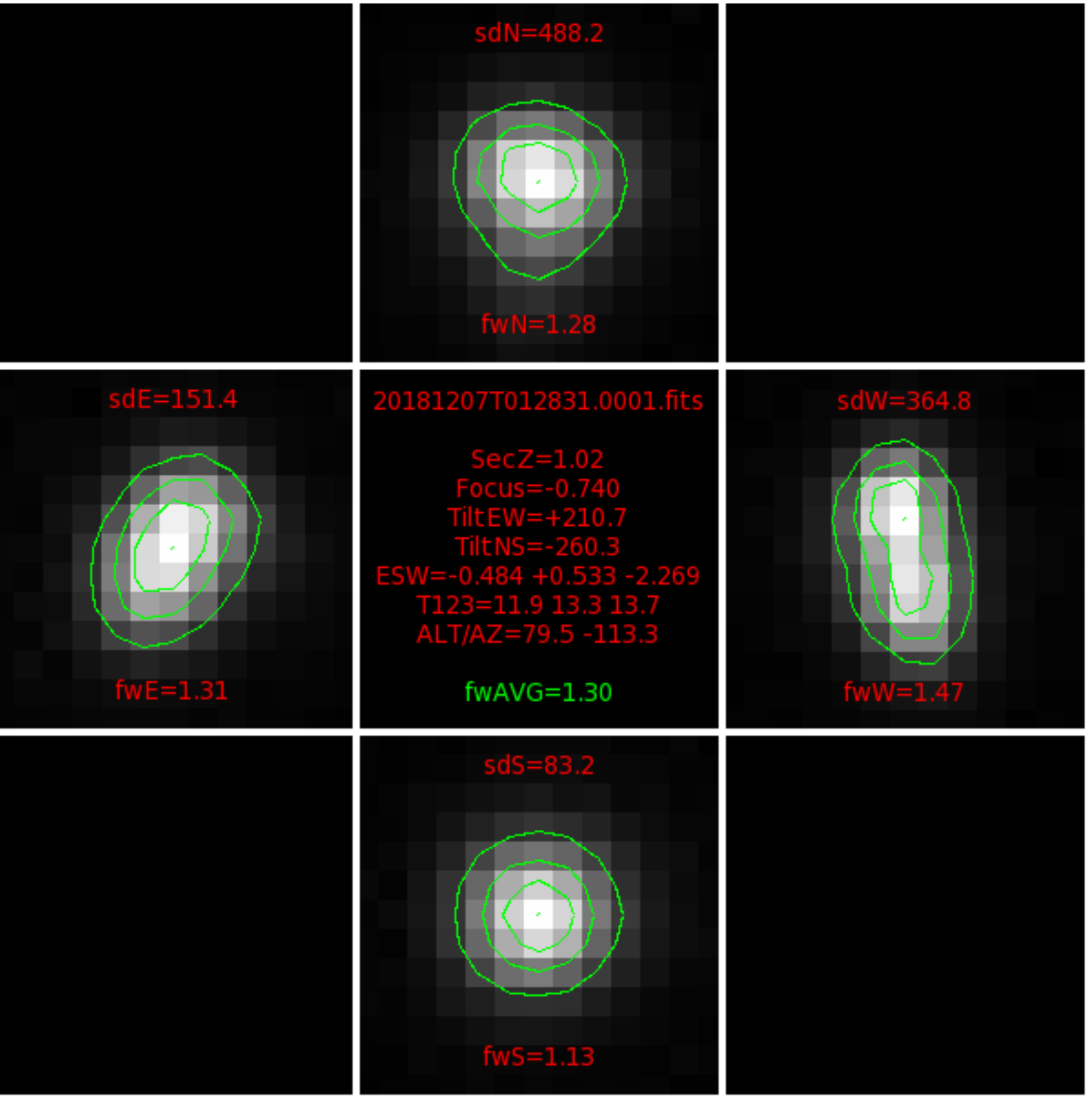
sdN=488.2
fwN=1.28
sdE=151.4
fwE=1.31
20181207T012831.0001.fits
SecZ=1.02
Focus=-0.740
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.484 +0.533 -2.269
T123=11.9 13.3 13.7
ALT/AZ=79.5 -113.3
fwAVG=1.30
sdW=364.8
fwW=1.47
sdS=83.2
fwS=1.13
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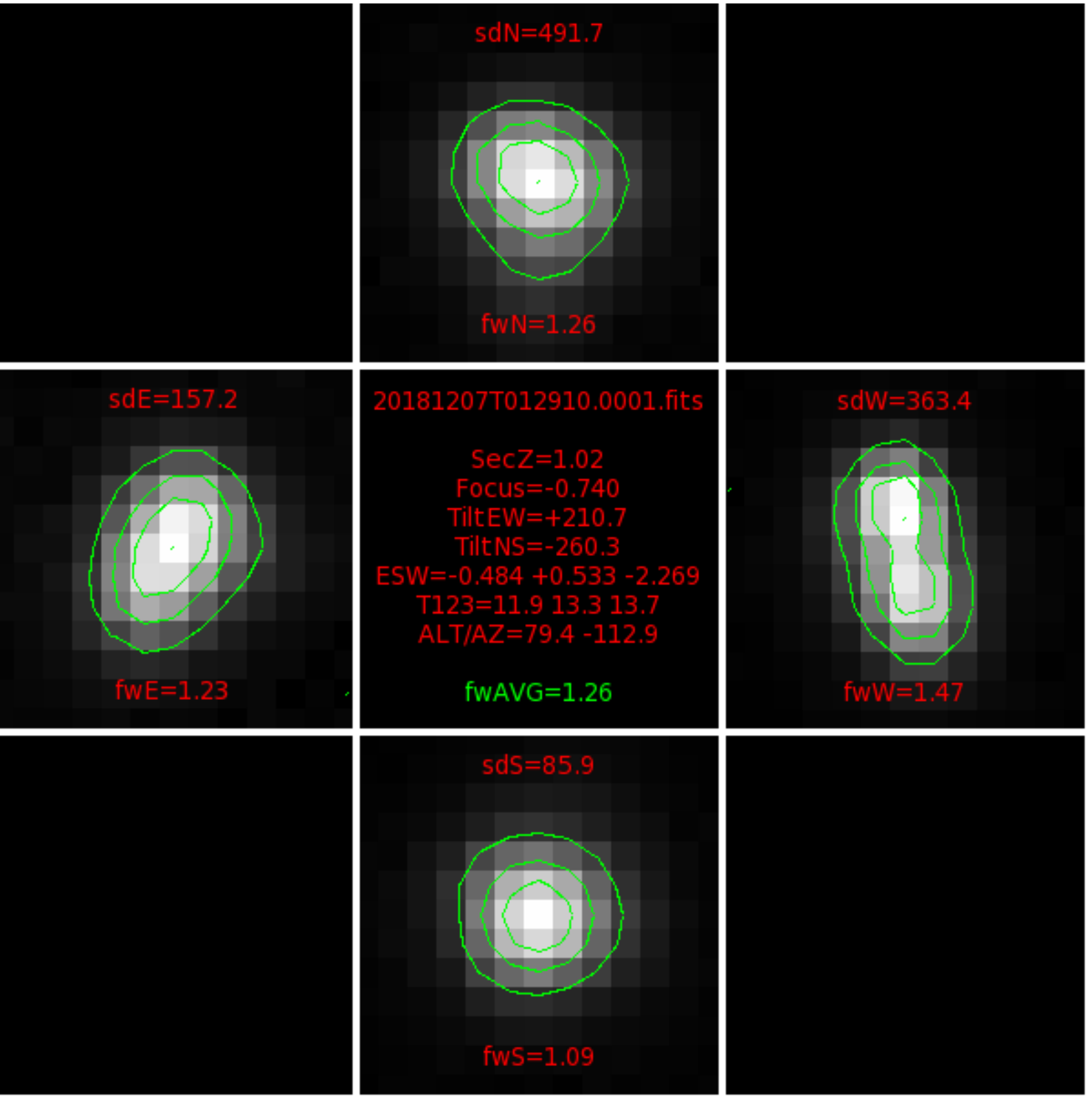
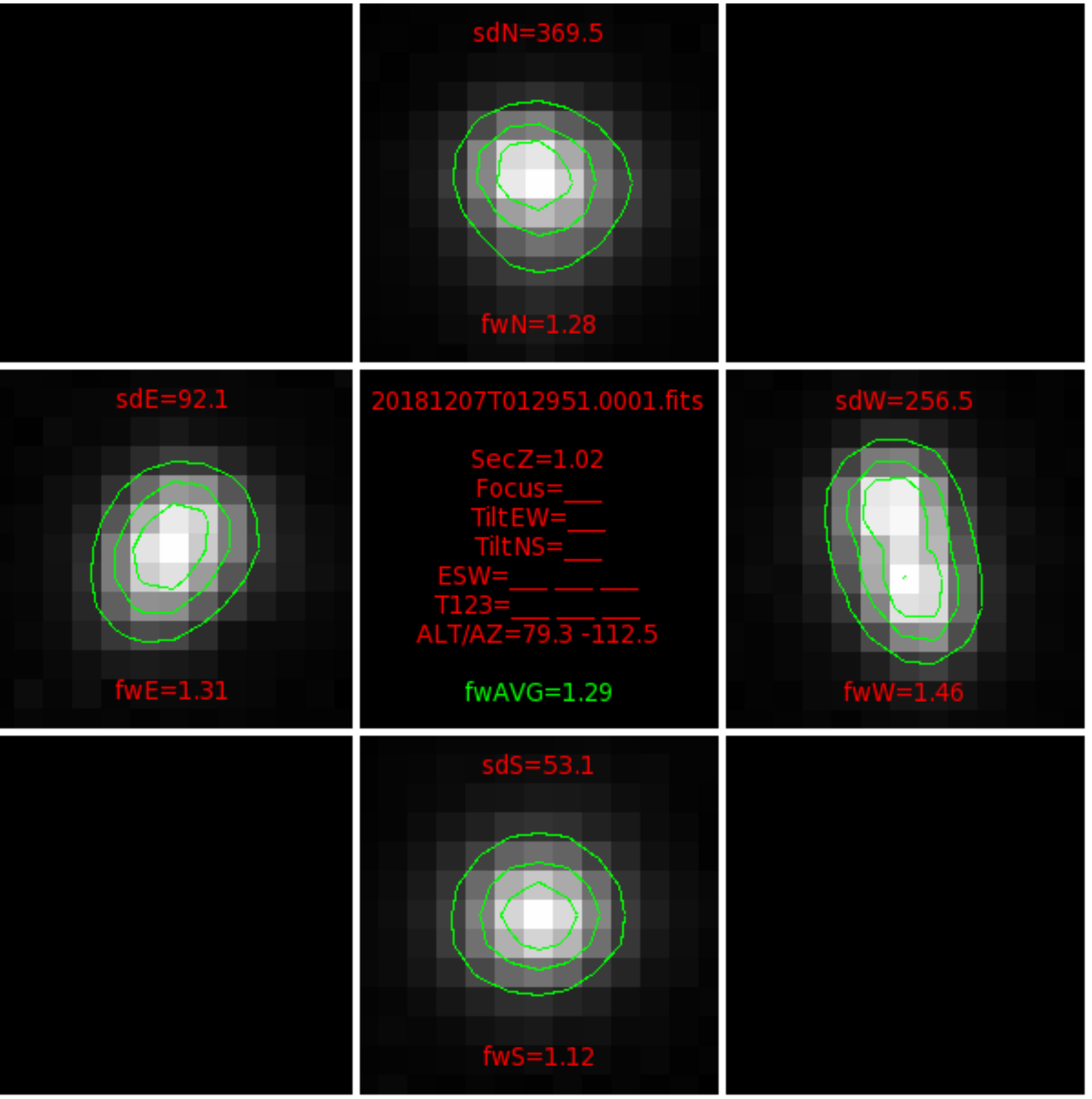

sdN=491.7
fwN=1.26
sdE=157.2
fwE=1.23
20181207T012910.0001.fits
SecZ=1.02
Focus=-0.740
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.484 +0.533 -2.269
T123=11.9 13.3 13.7
ALT/AZ=79.4 -112.9
fwAVG=1.26
sdW=363.4
fwW=1.47
sdS=85.9
fwS=1.09
0 0 0 0 0 0 0 0 0


sdN=369.5
fwN=1.28
sdE=92.1
fwE=1.31
20181207T012951.0001.fits
SecZ=1.02
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=79.3 -112.5
fwAVG=1.29
sdW=256.5
fwW=1.46
sdS=53.1
fwS=1.12
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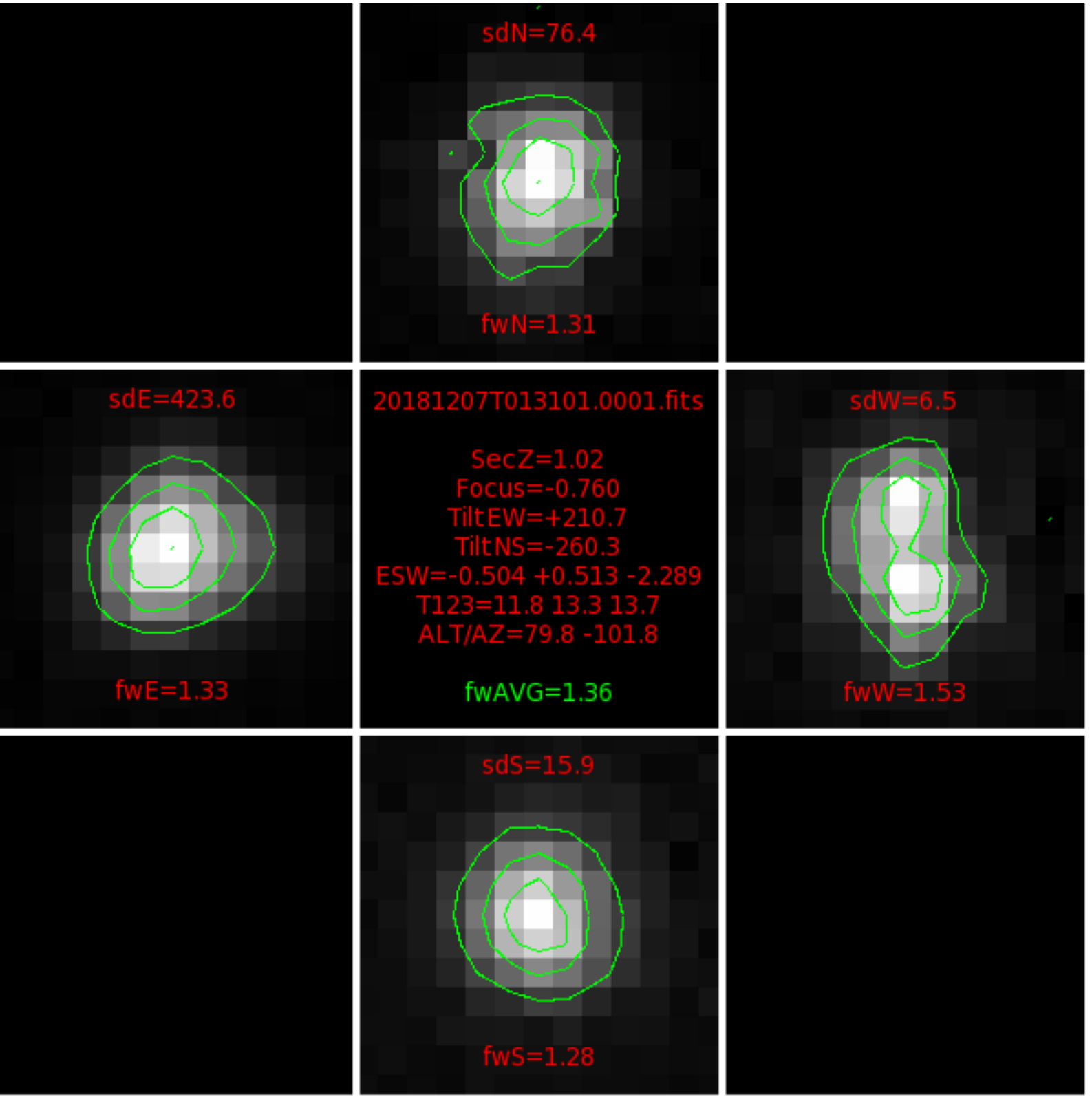
sdN=76.4
fwN=1.31
sdE=423.6
fwE=1.33
20181207T013101.0001.fits
SecZ=1.02
Focus=-0.760
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.504 +0.513 -2.289
T123=11.8 13.3 13.7
ALT/AZ=79.8 -101.8
fwAVG=1.36
sdW=6.5
fwW=1.53
sdS=15.9
fwS=1.28
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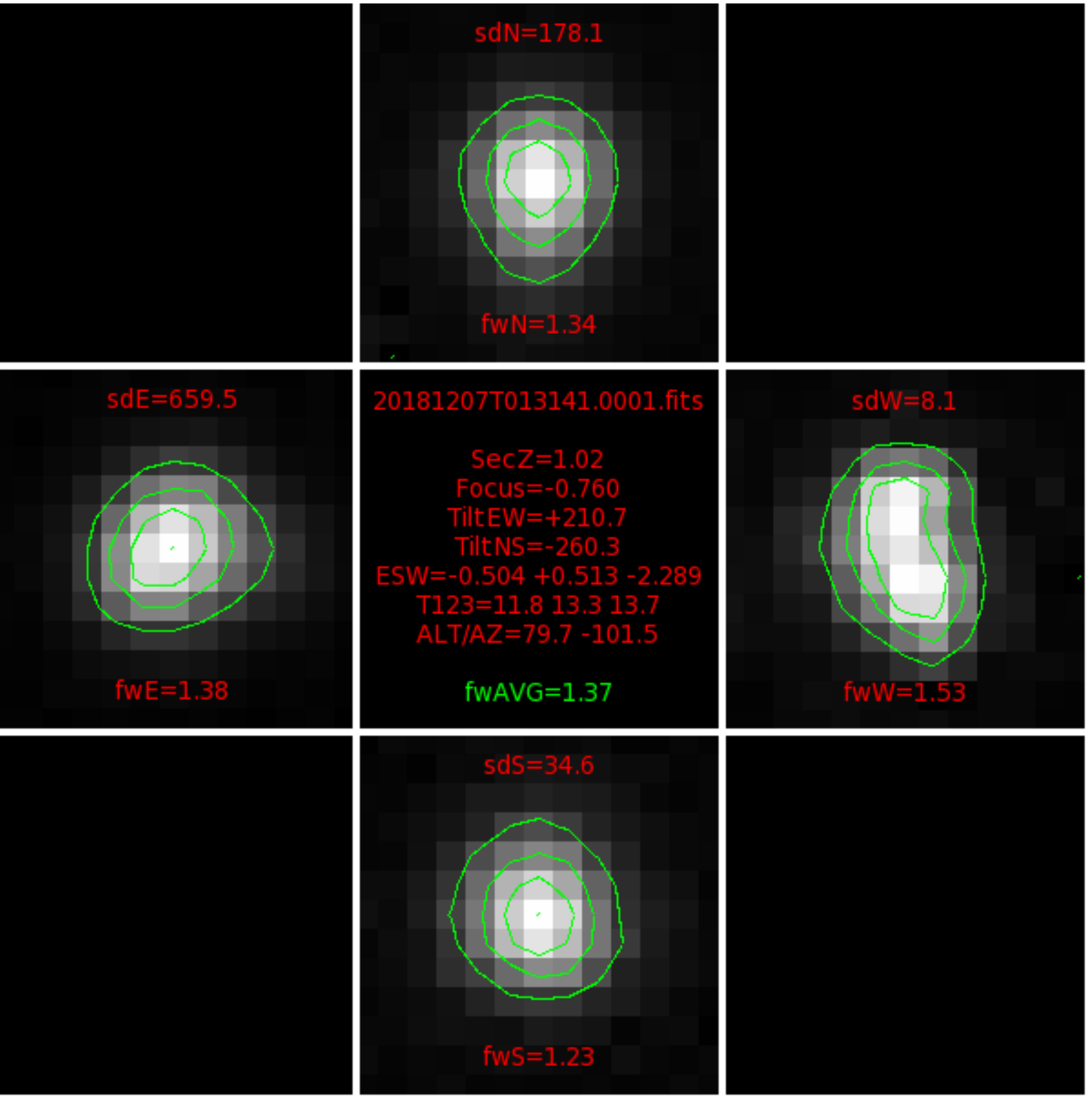
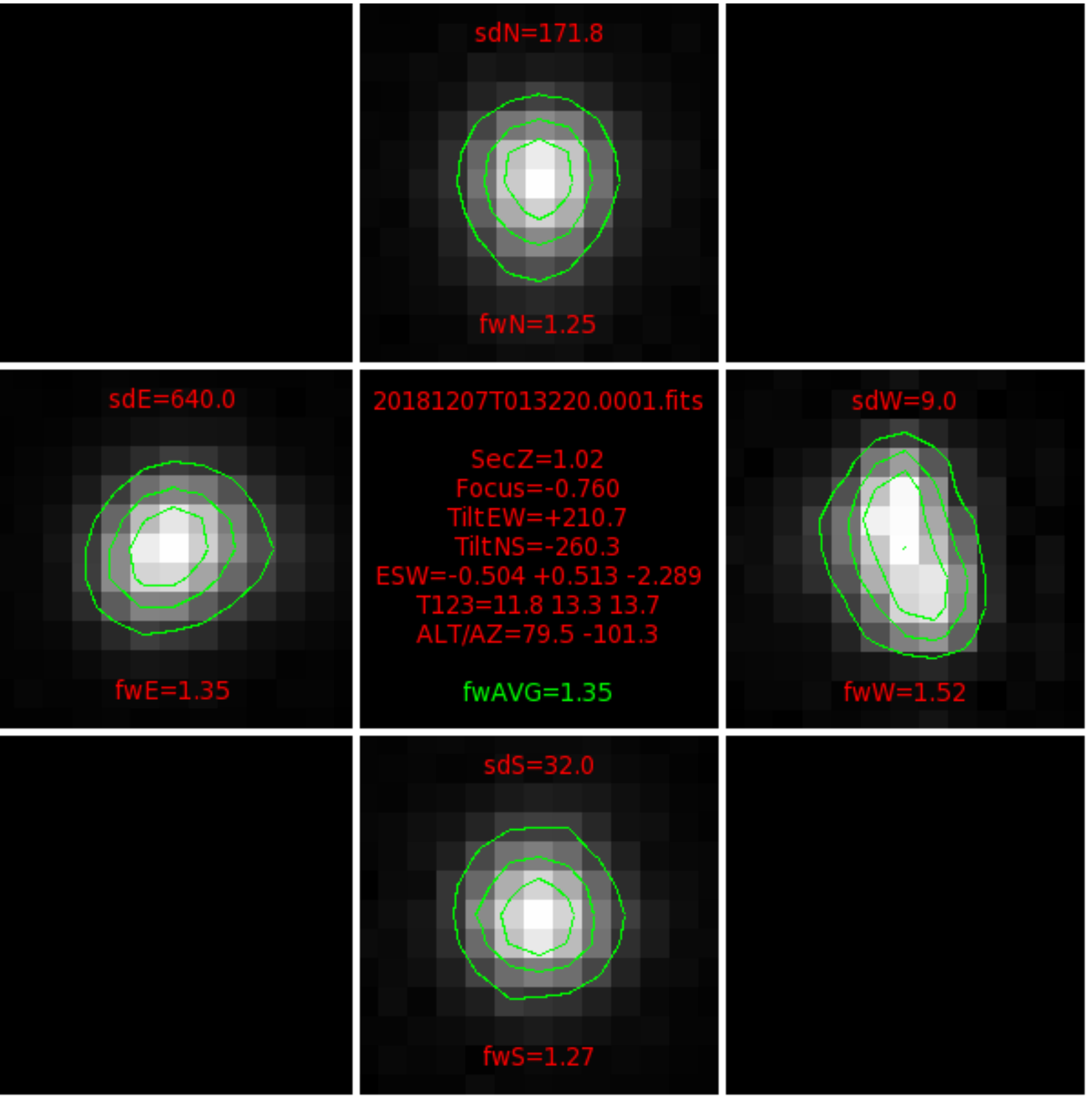

sdN=178.1
fwN=1.34
sdE=659.5
fwE=1.38
20181207T013141.0001.fits
SecZ=1.02
Focus=-0.760
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.504 +0.513 -2.289
T123=11.8 13.3 13.7
ALT/AZ=79.7 -101.5
fwAVG=1.37
sdW=8.1
fwW=1.53
sdS=34.6
fwS=1.23
0 0 0 0 0 0 0 0 0


sdN=171.8
fwN=1.25
sdE=640.0
fwE=1.35
20181207T013220.0001.fits
SecZ=1.02
Focus=-0.760
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.504 +0.513 -2.289
T123=11.8 13.3 13.7
ALT/AZ=79.5 -101.3
fwAVG=1.35
sdW=9.0
fwW=1.52
sdS=32.0
fwS=1.27
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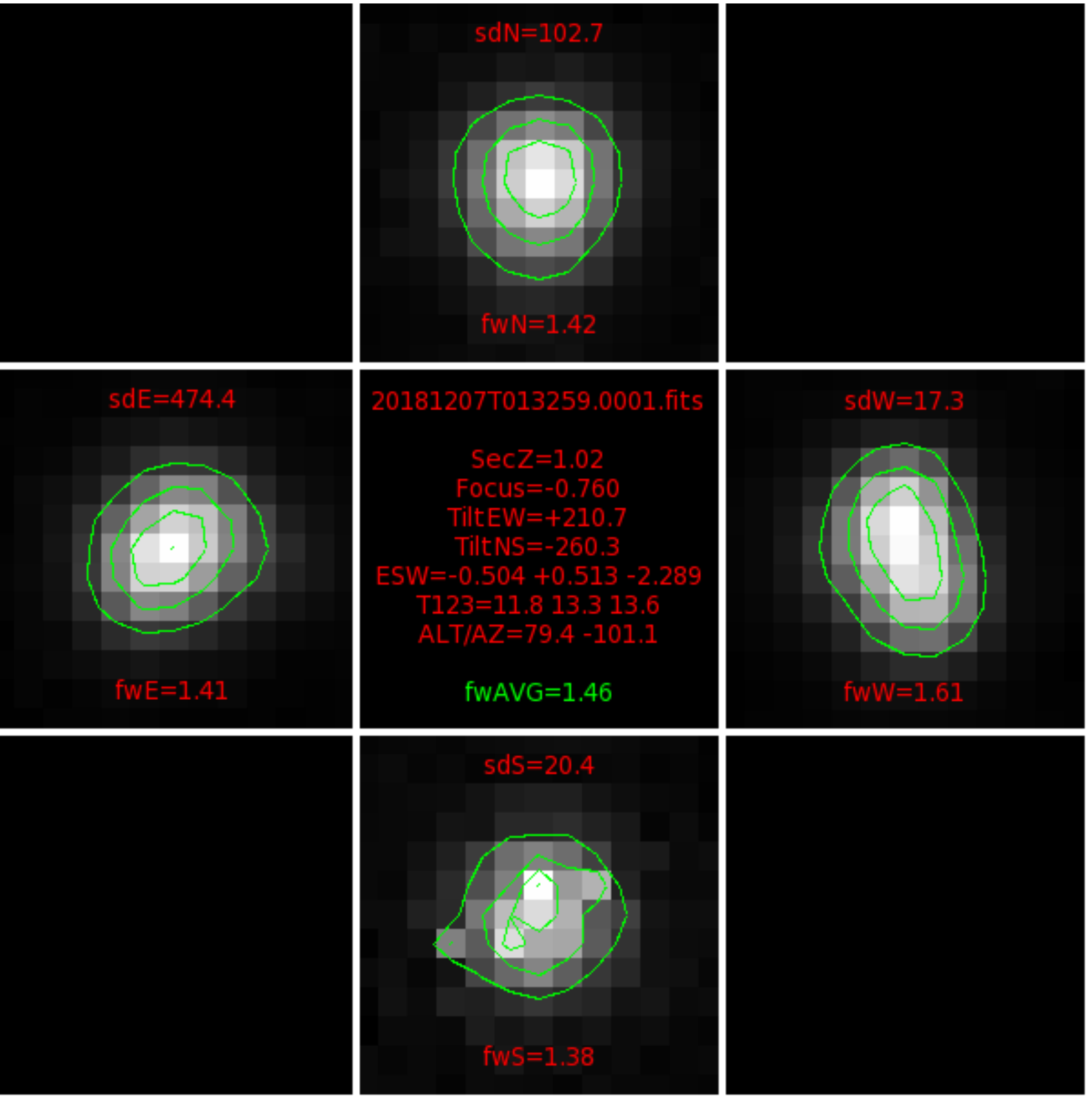
sdN=102.7
fwN=1.42
sdE=474.4
fwE=1.41
20181207T013259.0001.fits
SecZ=1.02
Focus=-0.760
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.504 +0.513 -2.289
T123=11.8 13.3 13.6
ALT/AZ=79.4 -101.1
fwAVG=1.46
sdW=17.3
fwW=1.61
sdS=20.4
fwS=1.38
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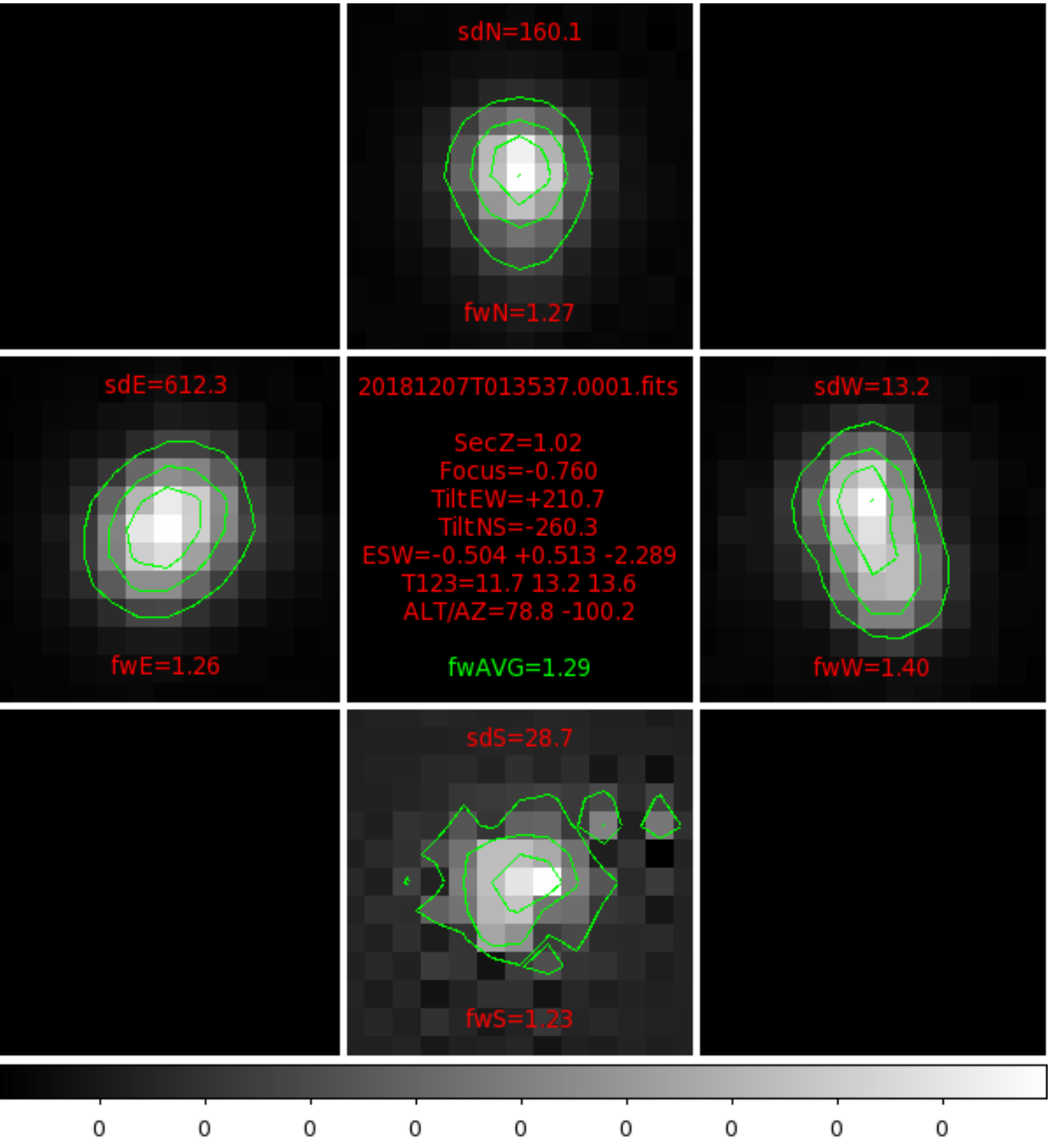
sdN=160.1
fwN=1.27
sdE=612.3
fwE=1.26
20181207T013537.0001.fits
SecZ=1.02
Focus=-0.760
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.504 +0.513 -2.289
T123=11.7 13.2 13.6
ALT/AZ=78.8 -100.2
fwAVG=1.29
sdW=13.2
fwW=1.40
sdS=28.7
fwS=1.23
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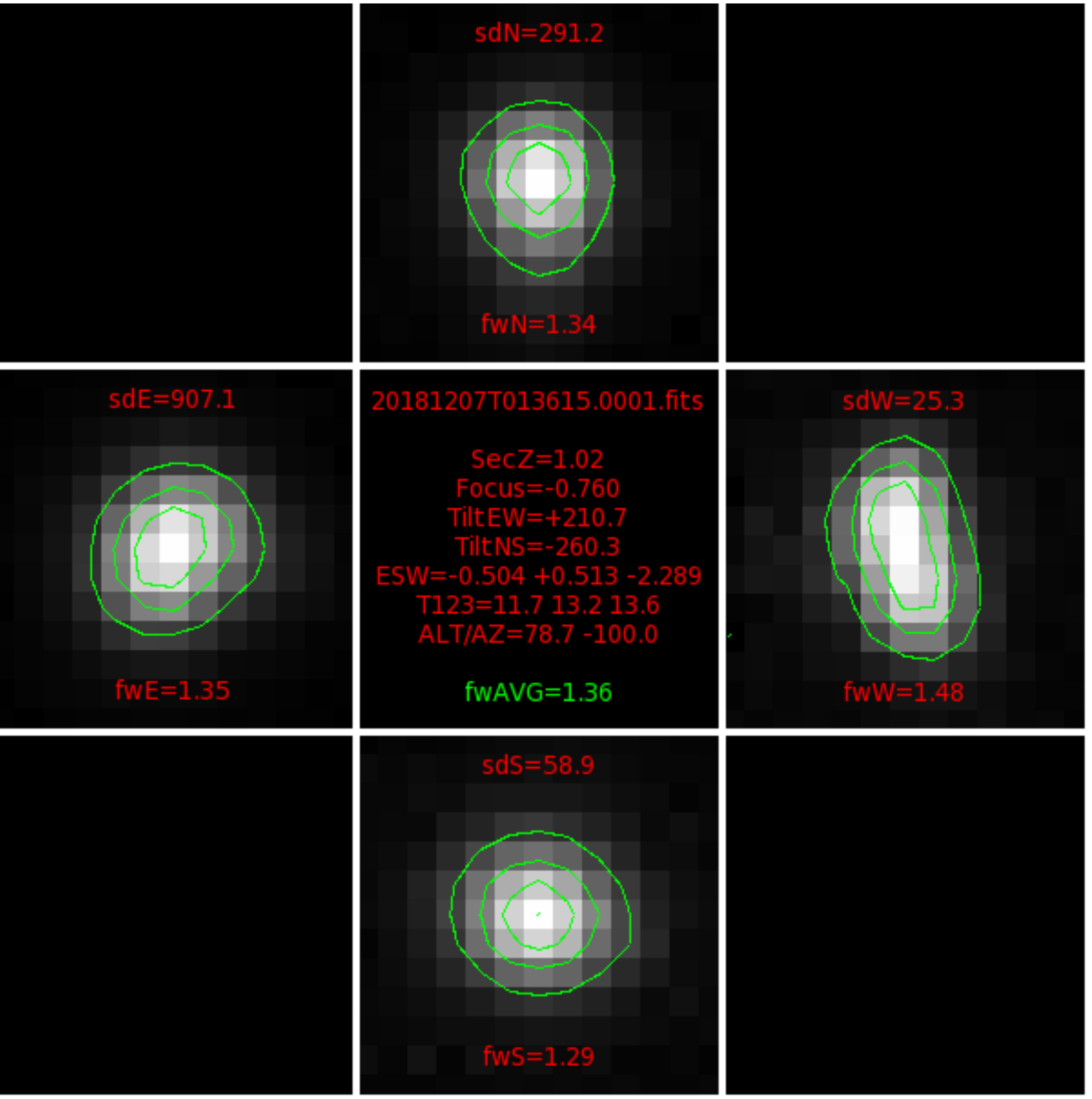
sdN=291.2
fwN=1.34
sdE=907.1
fwE=1.35
20181207T013615.0001.fits
SecZ=1.02
Focus=-0.760
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.504 +0.513 -2.289
T123=11.7 13.2 13.6
ALT/AZ=78.7 -100.0
fwAVG=1.36
sdW=25.3
fwW=1.48
sdS=58.9
fwS=1.29
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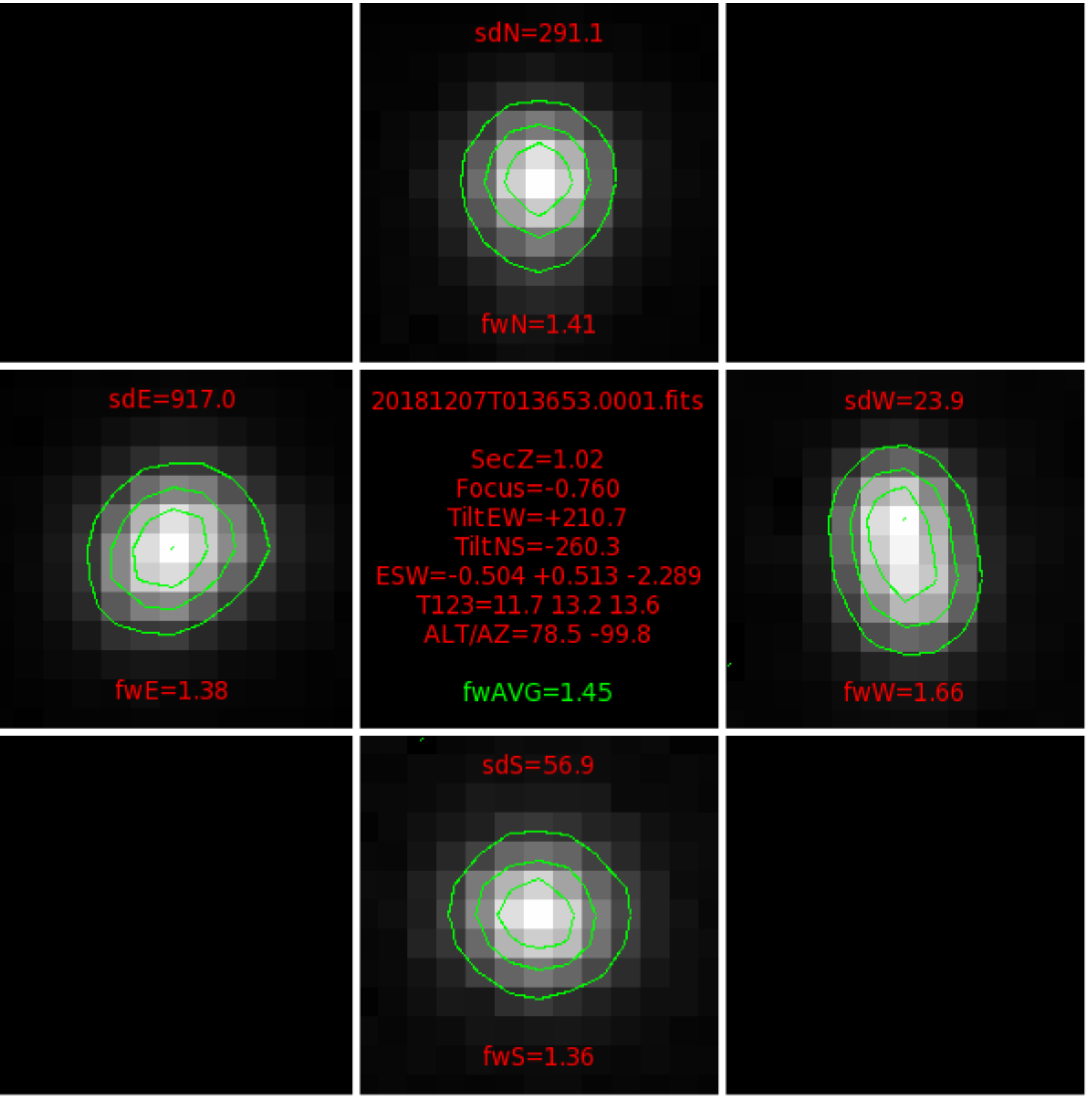
sdN=291.1
fwN=1.41
sdE=917.0
fwE=1.38
20181207T013653.0001.fits
SecZ=1.02
Focus=-0.760
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.504 +0.513 -2.289
T123=11.7 13.2 13.6
ALT/AZ=78.5 -99.8
fwAVG=1.45
sdW=23.9
fwW=1.66
sdS=56.9
fwS=1.36
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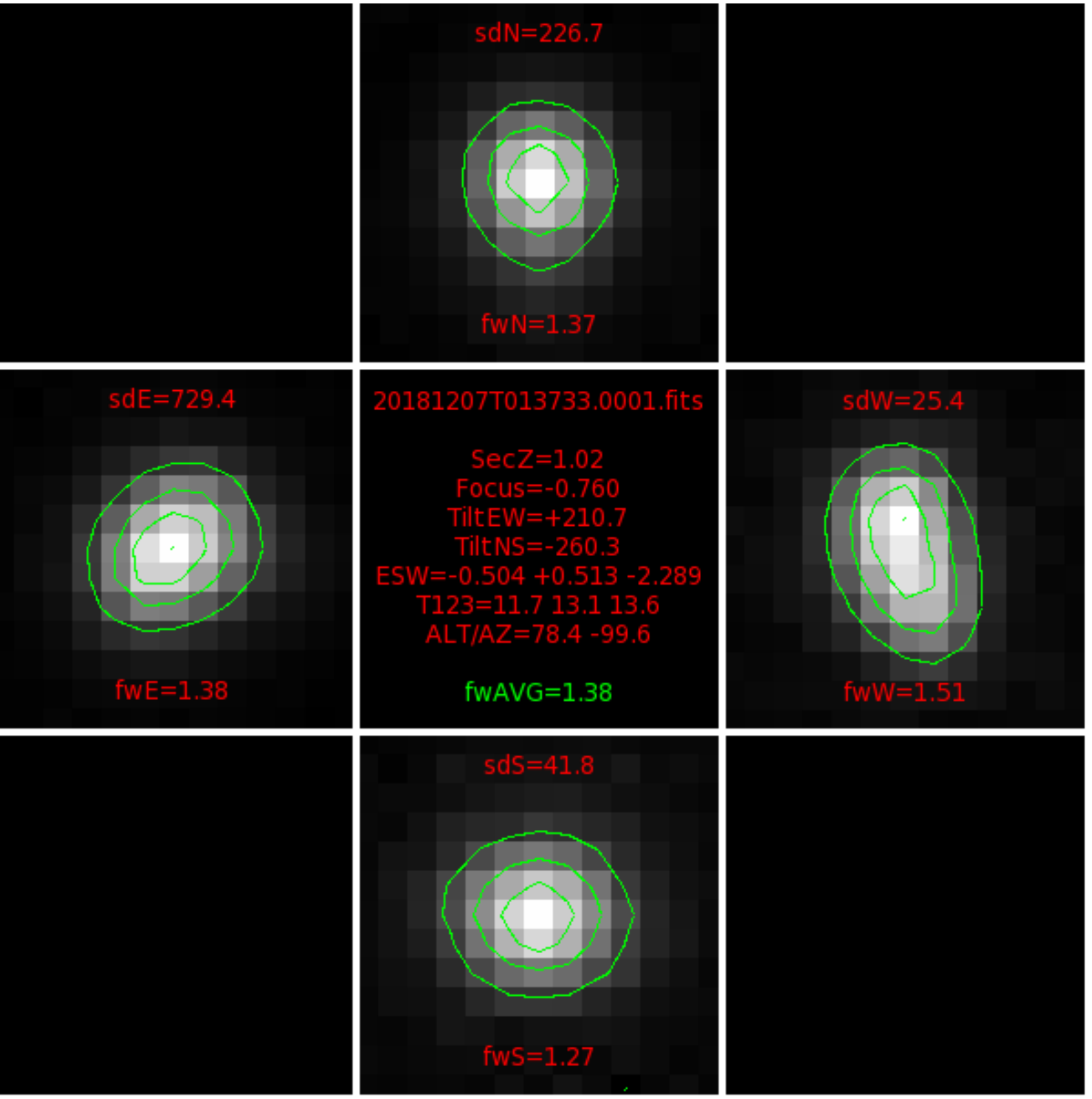
sdN=226.7
fwN=1.37
sdE=729.4
fwE=1.38
20181207T013733.0001.fits
SecZ=1.02
Focus=-0.760
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.504 +0.513 -2.289
T123=11.7 13.1 13.6
ALT/AZ=78.4 -99.6
fwAVG=1.38
sdW=25.4
fwW=1.51
sdS=41.8
fwS=1.27
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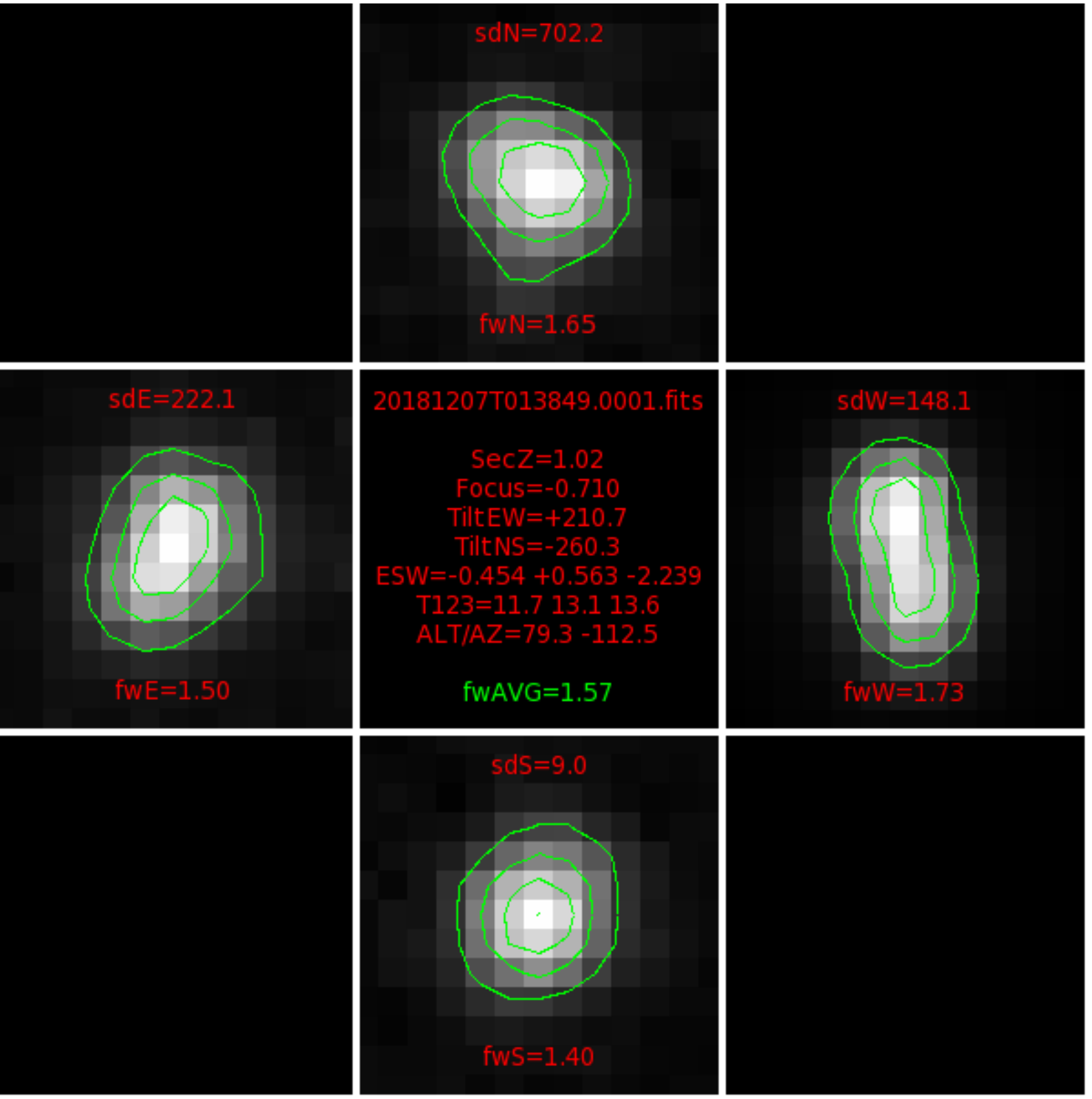
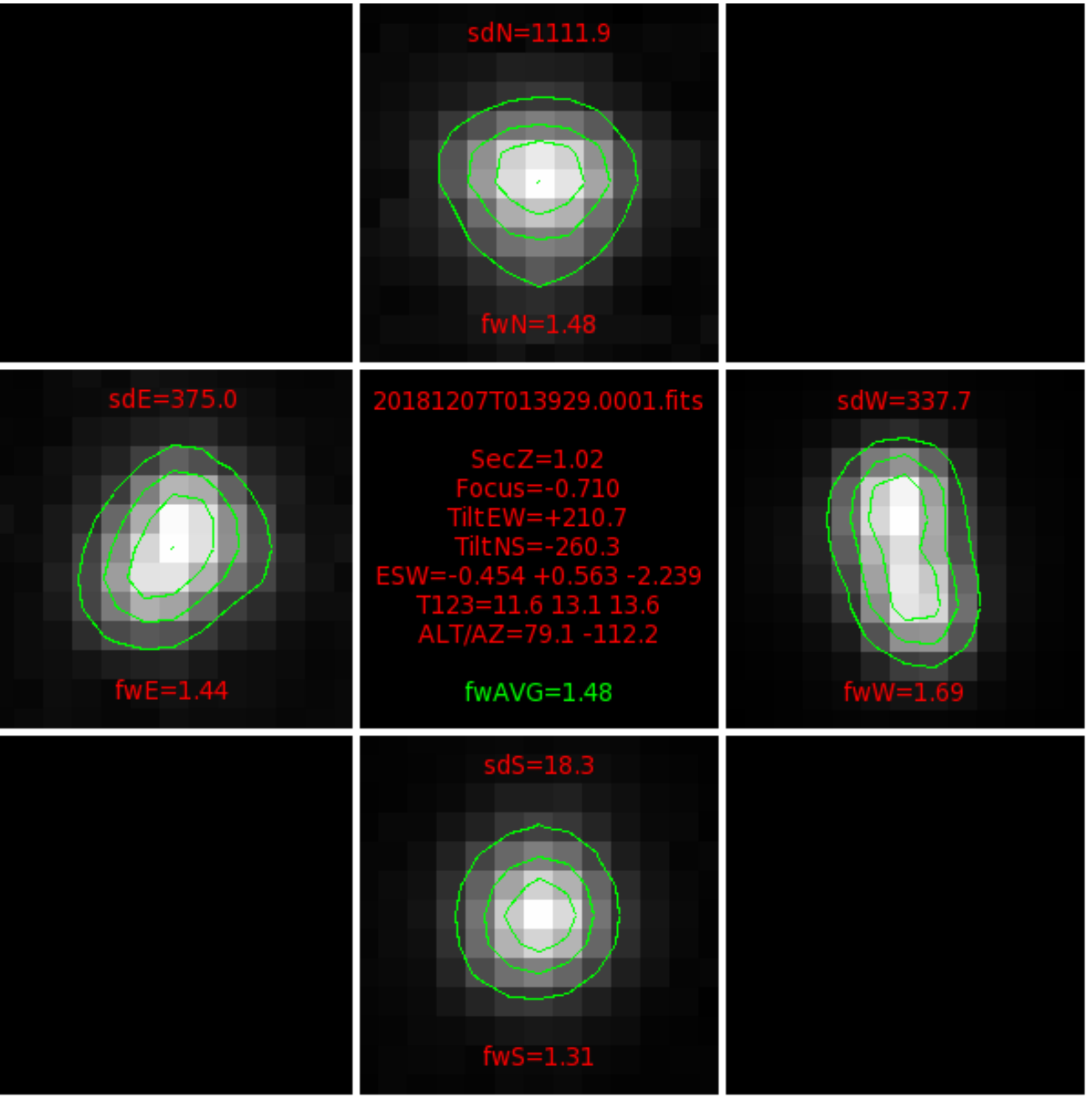
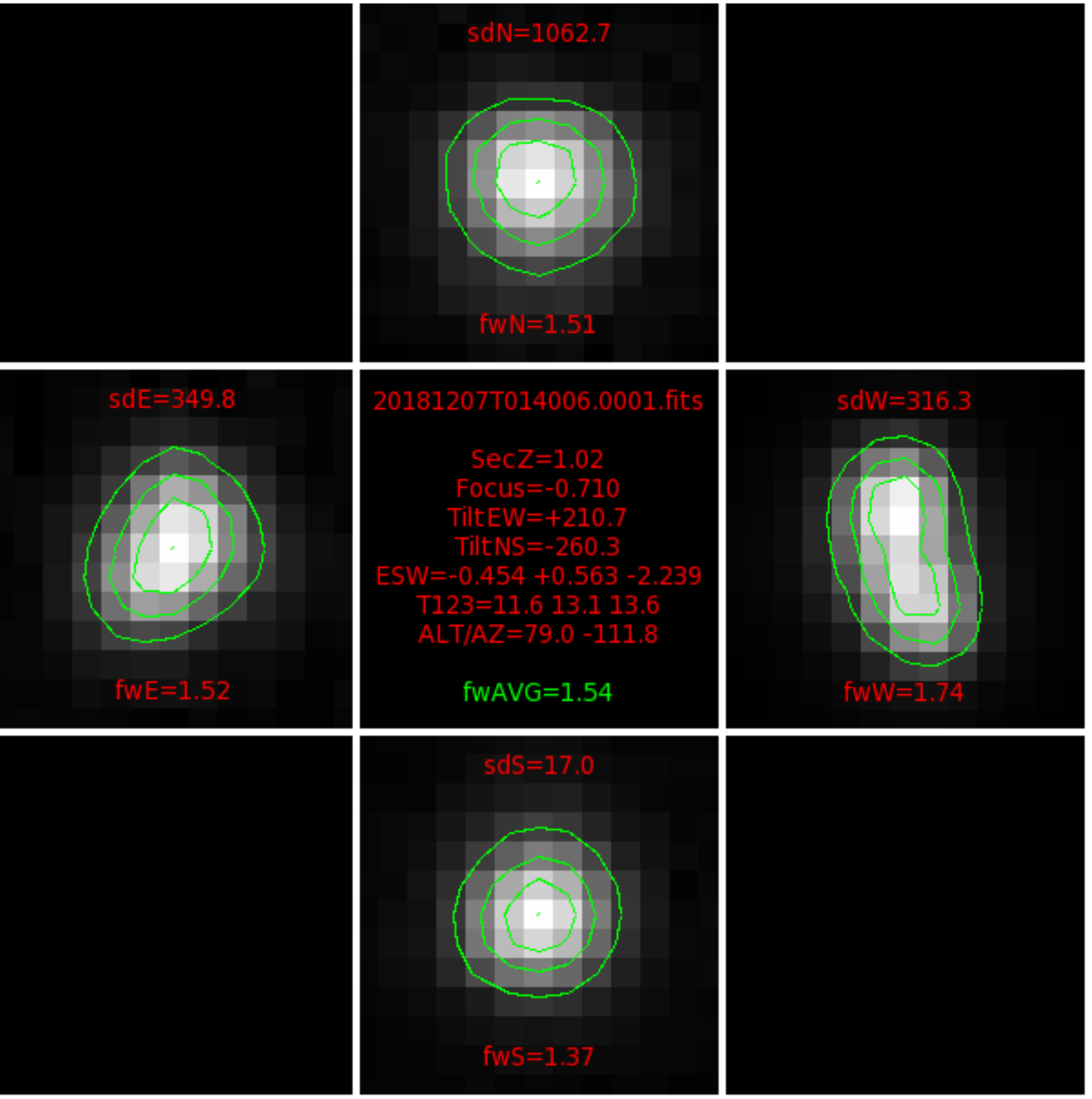

sdN=702.2
fwN=1.65
sdE=222.1
fwE=1.50
20181207T013849.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.7 13.1 13.6
ALT/AZ=79.3 -112.5
fwAVG=1.57
sdW=148.1
fwW=1.73
sdS=9.0
fwS=1.40
0 0 0 0 0 0 0 0 0


sdN=1111.9
fwN=1.48
sdE=375.0
fwE=1.44
20181207T013929.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.6 13.1 13.6
ALT/AZ=79.1 -112.2
fwAVG=1.48
sdW=337.7
fwW=1.69
sdS=18.3
fwS=1.31
0 0 0 0 0 0 0 0 0


sdN=1062.7
fwN=1.51
sdE=349.8
fwE=1.52
20181207T014006.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.6 13.1 13.6
ALT/AZ=79.0 -111.8
fwAVG=1.54
sdW=316.3
fwW=1.74
sdS=17.0
fwS=1.37
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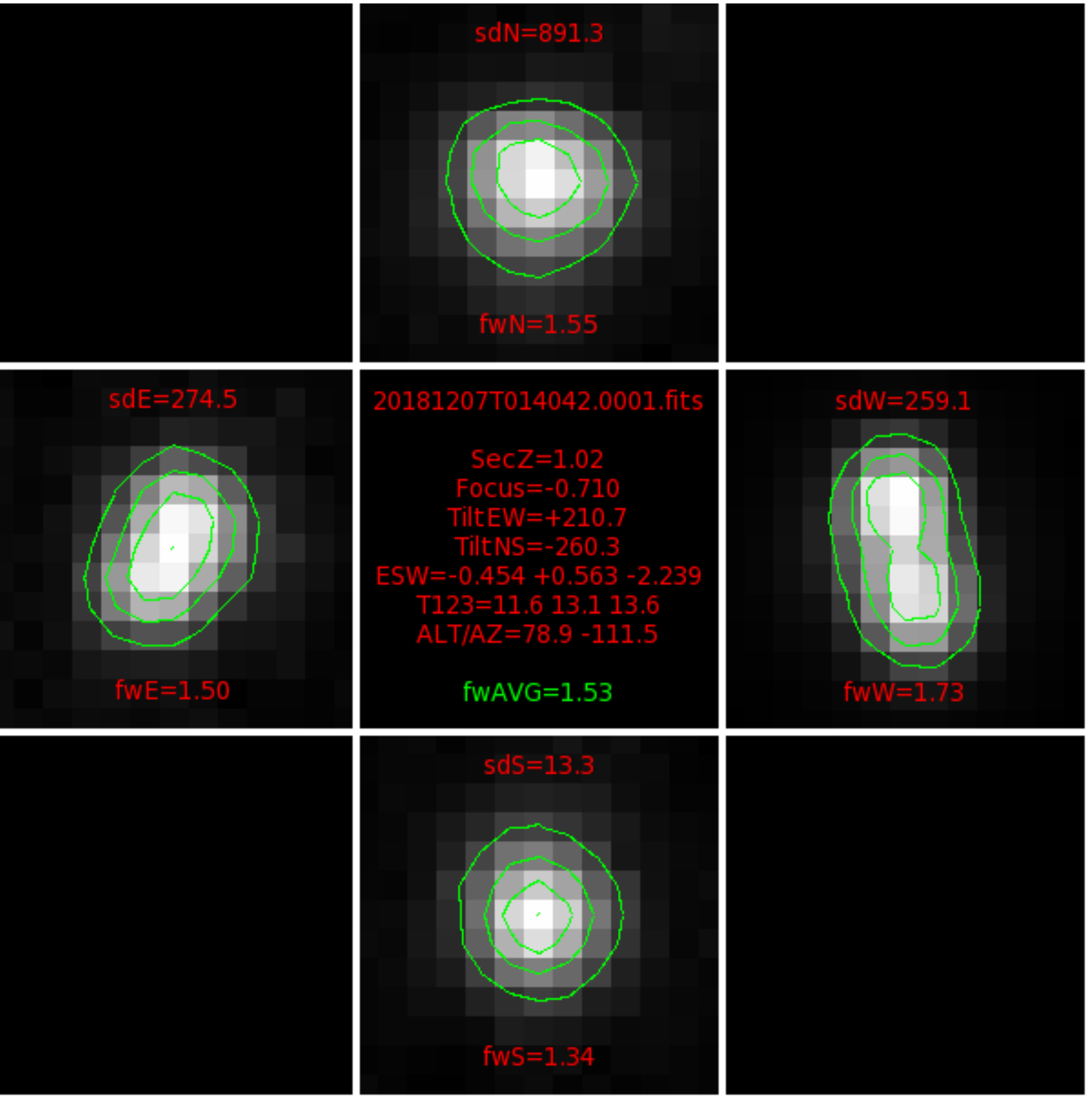
sdN=891.3
fwN=1.55
sdE=274.5
fwE=1.50
20181207T014042.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.6 13.1 13.6
ALT/AZ=78.9 -111.5
fwAVG=1.53
sdW=259.1
fwW=1.73
sdS=13.3
fwS=1.34
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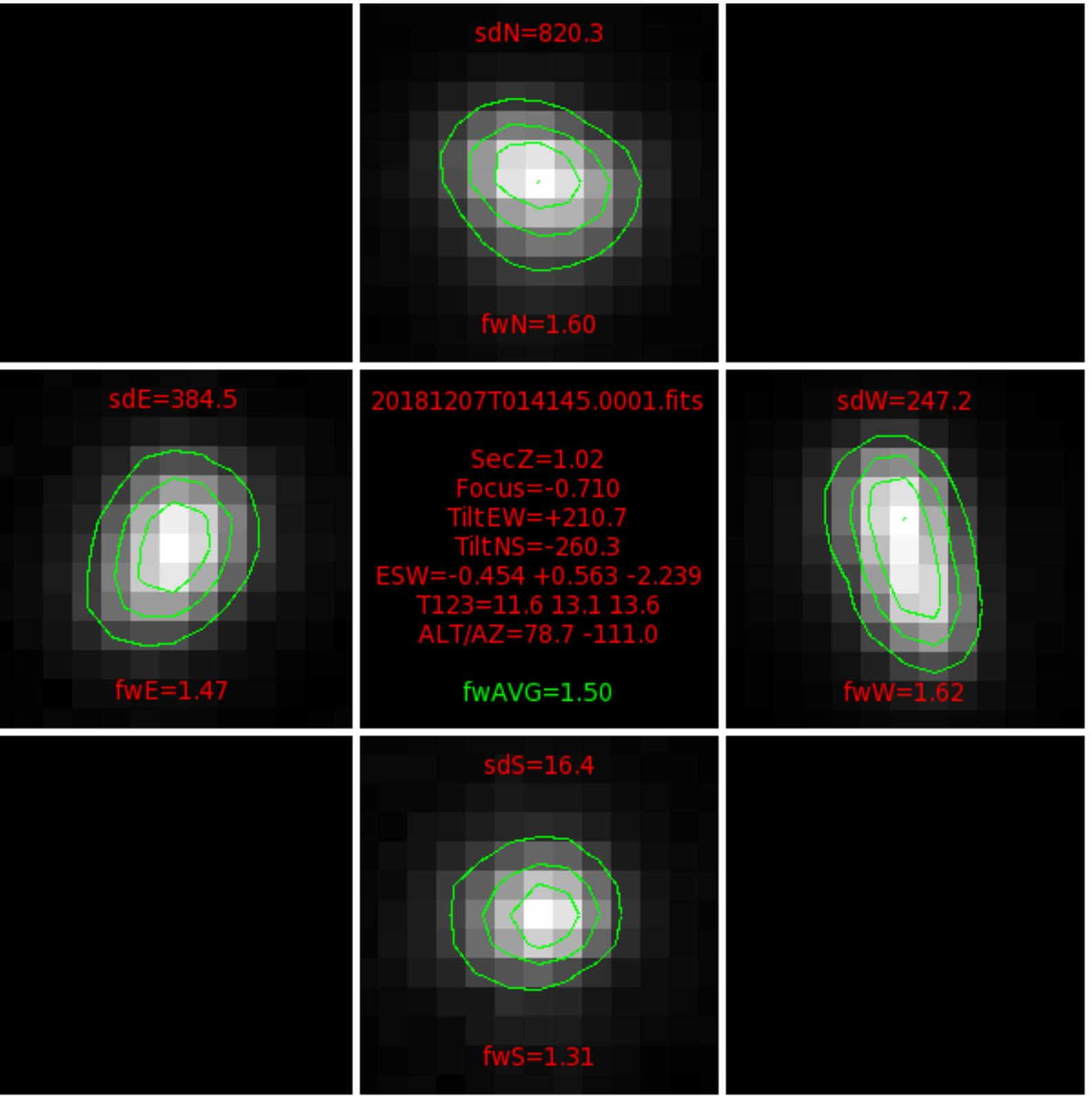
sdN=820.3
fwN=1.60
sdE=384.5
fwE=1.47
20181207T014145.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.6 13.1 13.6
ALT/AZ=78.7 -111.0
fwAVG=1.50
sdW=247.2
fwW=1.62
sdS=16.4
fwS=1.31
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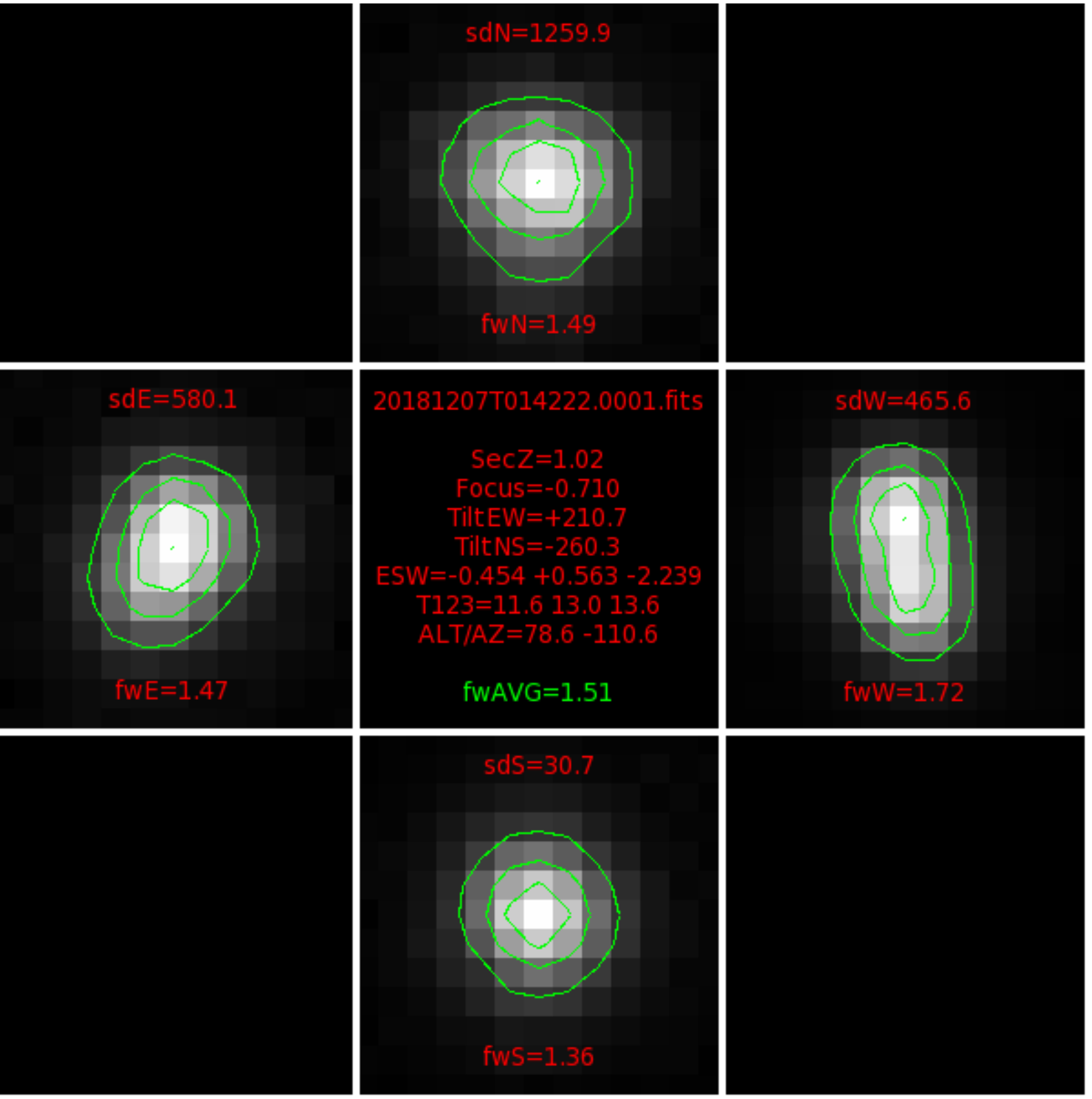
sdN=1259.9
fwN=1.49
sdE=580.1
fwE=1.47
20181207T014222.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.6 13.0 13.6
ALT/AZ=78.6 -110.6
fwAVG=1.51
sdW=465.6
fwW=1.72
sdS=30.7
fwS=1.36
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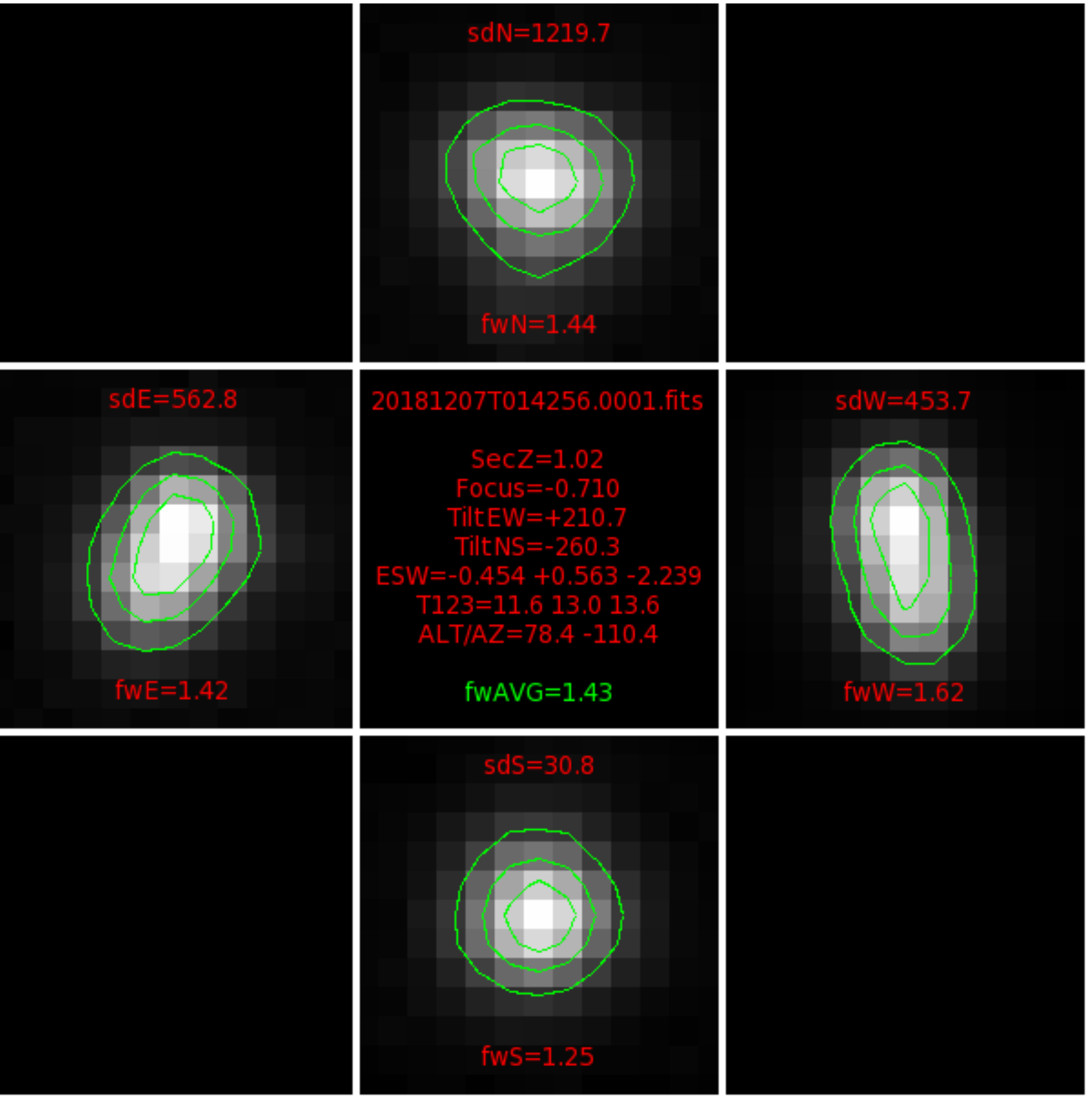
sdN=1219.7
fwN=1.44
sdE=562.8
fwE=1.42
20181207T014256.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.6 13.0 13.6
ALT/AZ=78.4 -110.4
fwAVG=1.43
sdW=453.7
fwW=1.62
sdS=30.8
fwS=1.25
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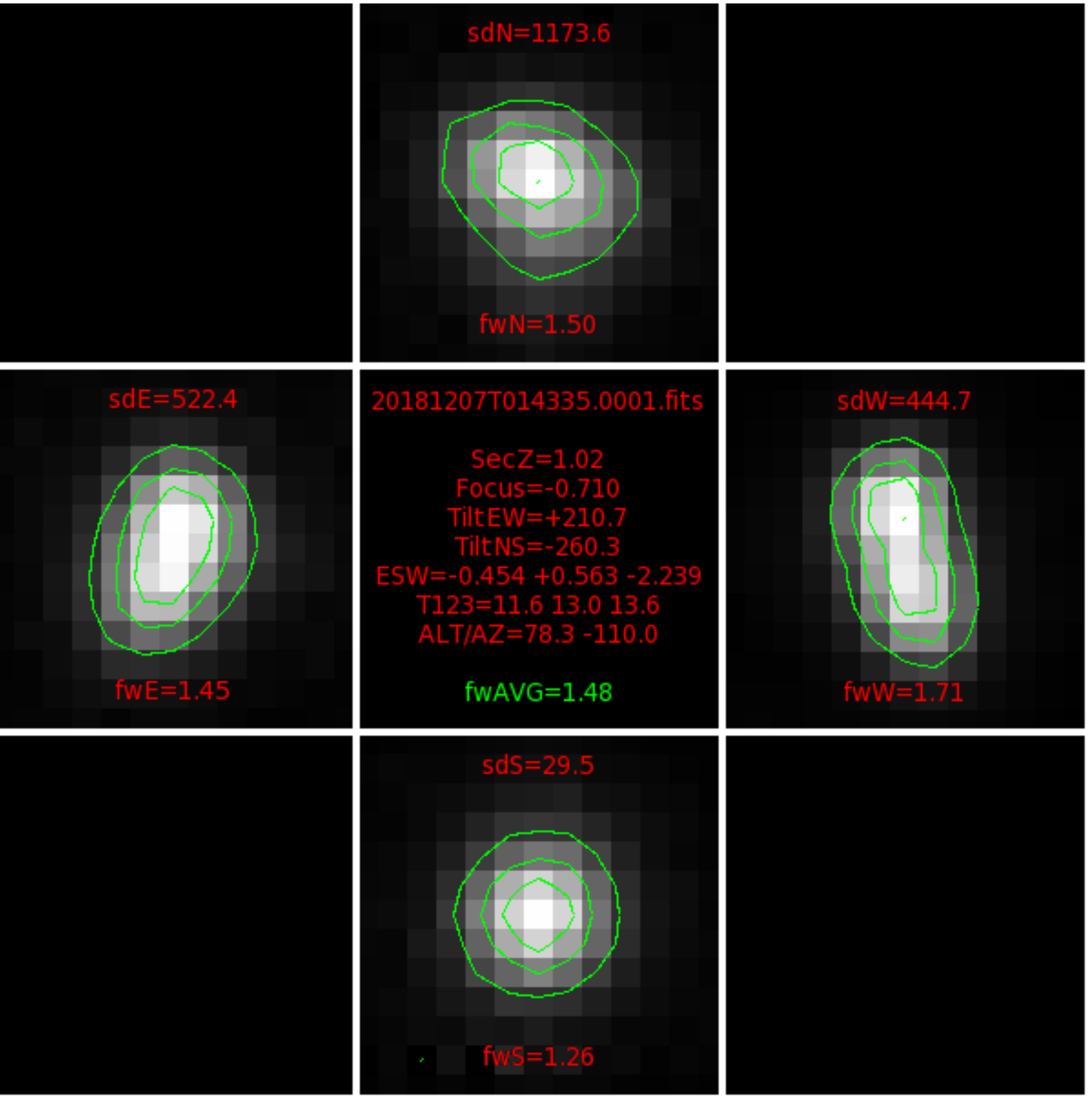
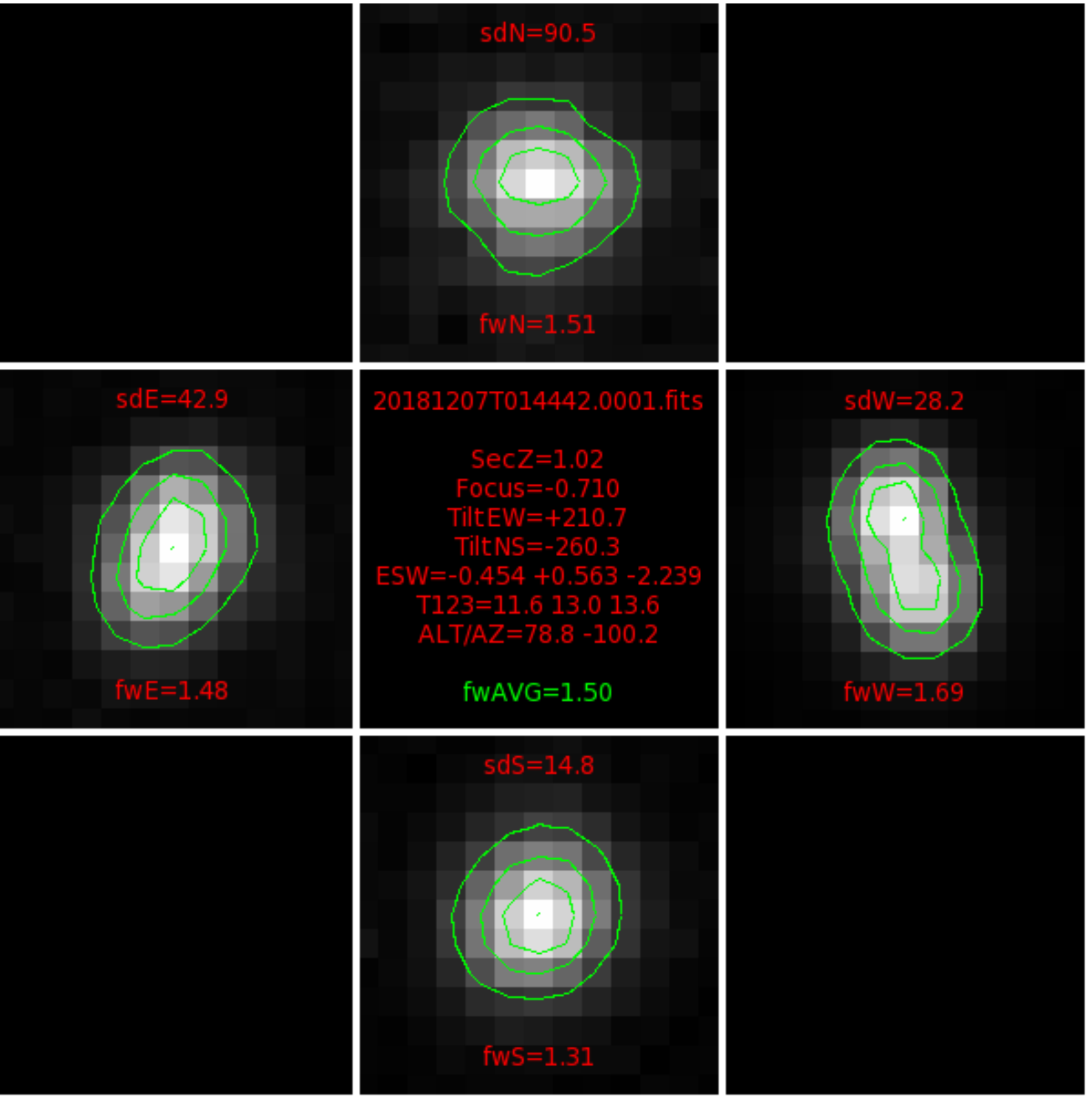
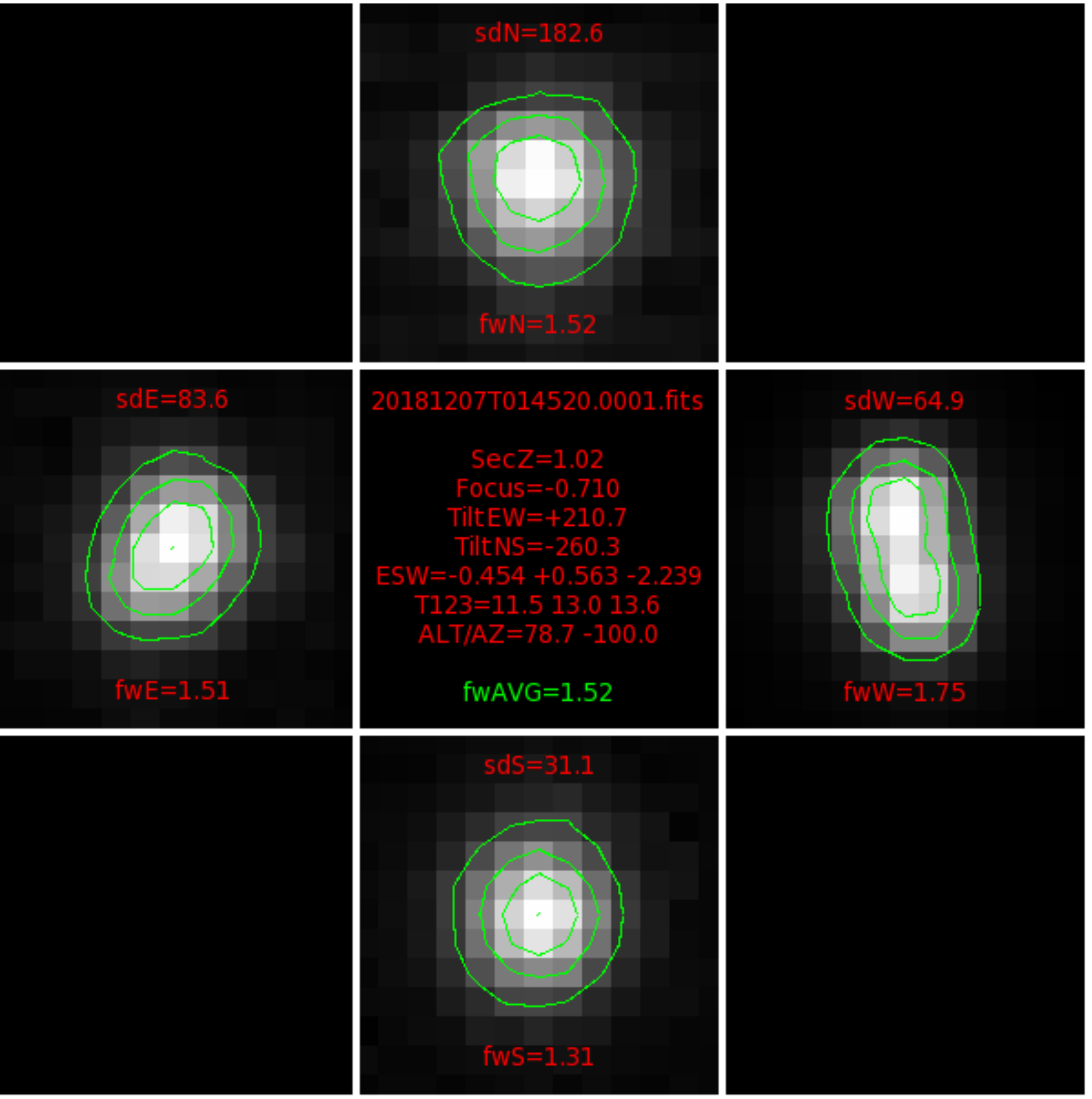

sdN=1173.6
fwN=1.50
sdE=522.4
fwE=1.45
20181207T014335.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.6 13.0 13.6
ALT/AZ=78.3 -110.0
fwAVG=1.48
sdW=444.7
fwW=1.71
sdS=29.5
fwS=1.26
0 0 0 0 0 0 0 0 0


sdN=90.5
fwN=1.51
sdE=42.9
fwE=1.48
20181207T014442.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.6 13.0 13.6
ALT/AZ=78.8 -100.2
fwAVG=1.50
sdW=28.2
fwW=1.69
sdS=14.8
fwS=1.31
0 0 0 0 0 0 0 0 0


sdN=182.6
fwN=1.52
sdE=83.6
fwE=1.51
20181207T014520.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.5 13.0 13.6
ALT/AZ=78.7 -100.0
fwAVG=1.52
sdW=64.9
fwW=1.75
sdS=31.1
fwS=1.31
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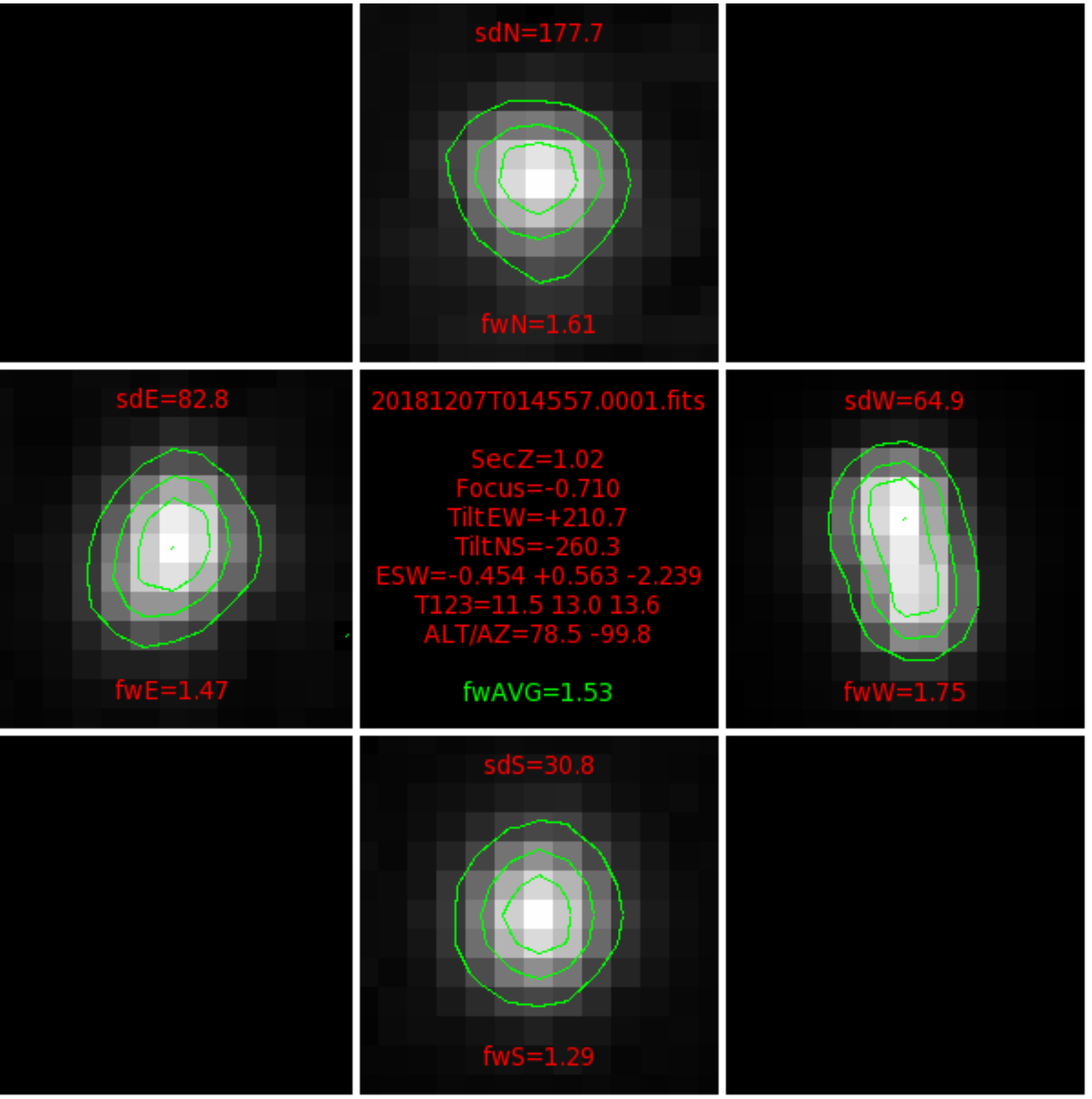
sdN=177.7
fwN=1.61
sdE=82.8
fwE=1.47
20181207T014557.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.5 13.0 13.6
ALT/AZ=78.5 -99.8
fwAVG=1.53
sdW=64.9
fwW=1.75
sdS=30.8
fwS=1.29
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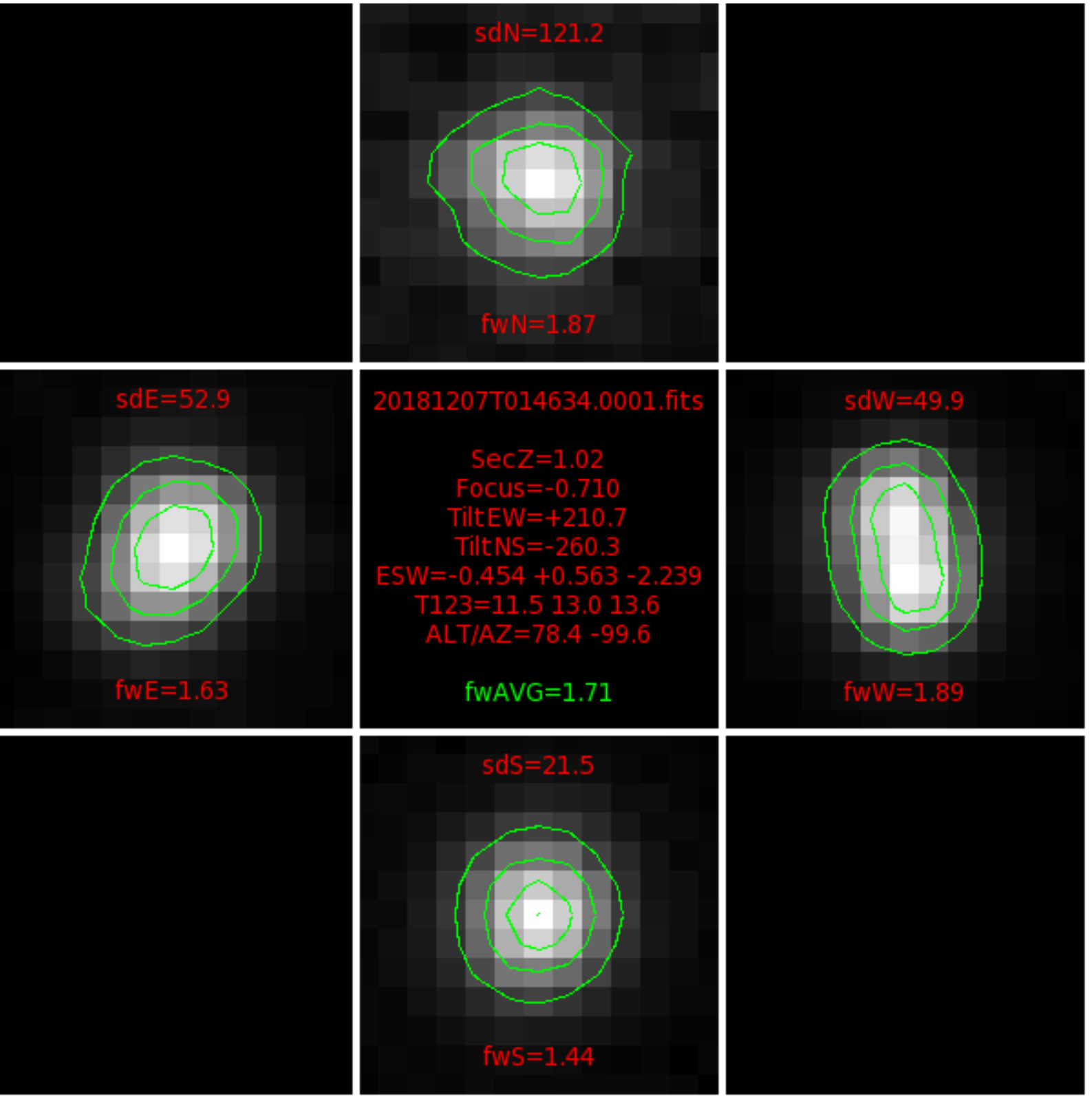
sdN=121.2
fwN=1.87
sdE=52.9
fwE=1.63
20181207T014634.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.5 13.0 13.6
ALT/AZ=78.4 -99.6
fwAVG=1.71
sdW=49.9
fwW=1.89
sdS=21.5
fwS=1.44
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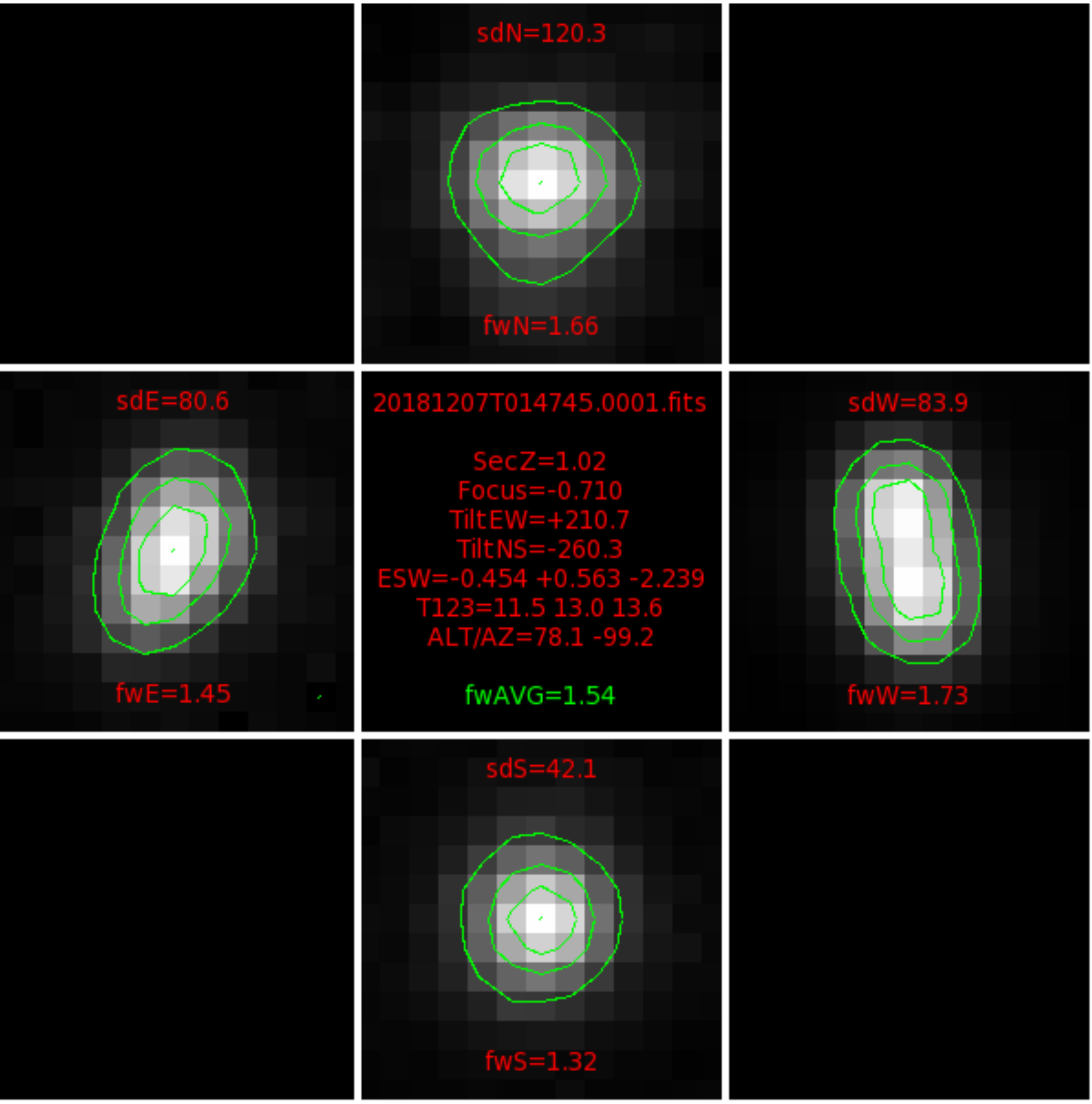
sdN=120.3
fwN=1.66
sdE=80.6
fwE=1.45
20181207T014745.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.5 13.0 13.6
ALT/AZ=78.1 -99.2
fwAVG=1.54
sdW=83.9
fwW=1.73
sdS=42.1
fwS=1.32
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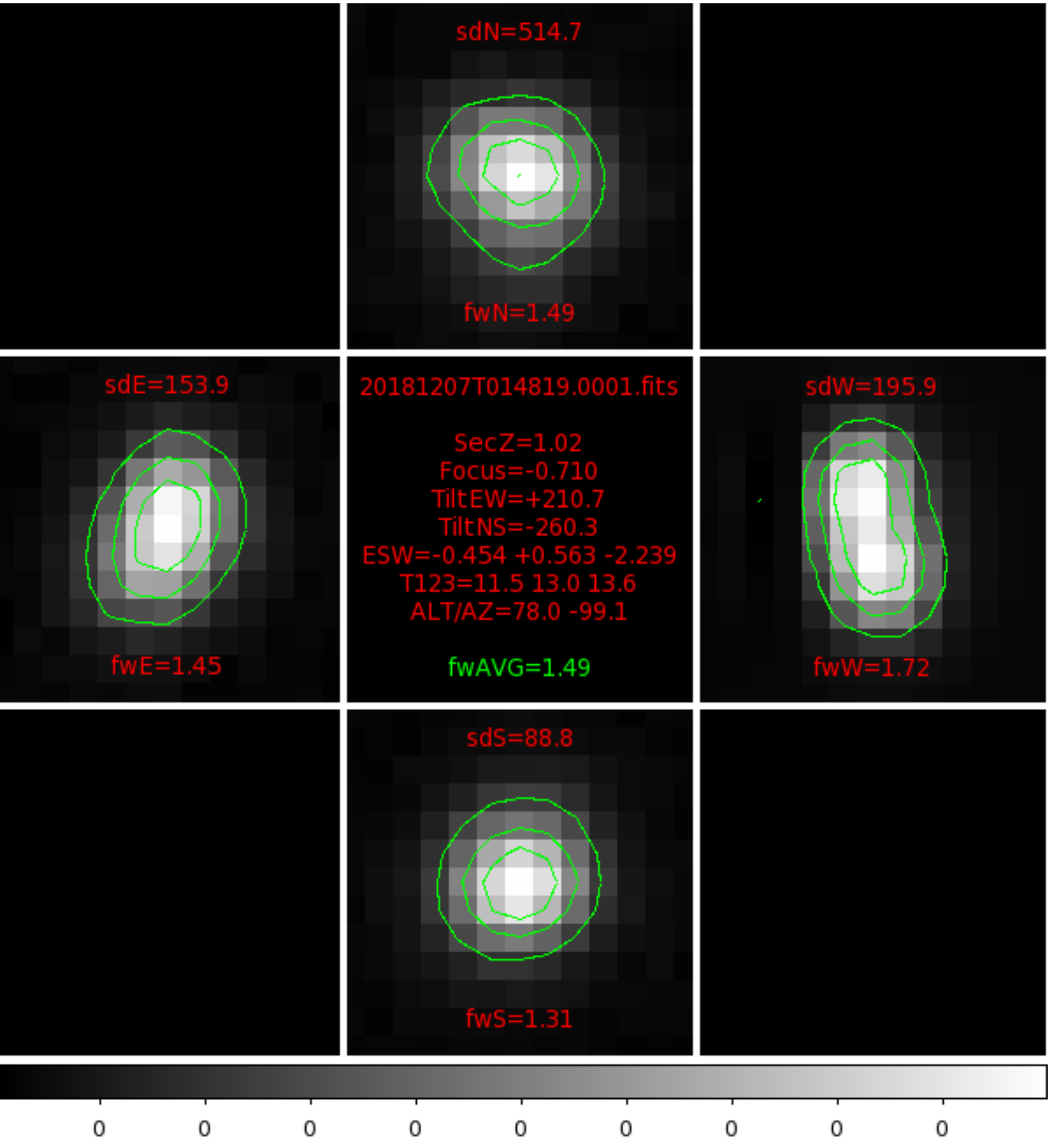
sdN=514.7
fwN=1.49
sdE=153.9
fwE=1.45
20181207T014819.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.5 13.0 13.6
ALT/AZ=78.0 -99.1
fwAVG=1.49
sdW=195.9
fwW=1.72
sdS=88.8
fwS=1.31
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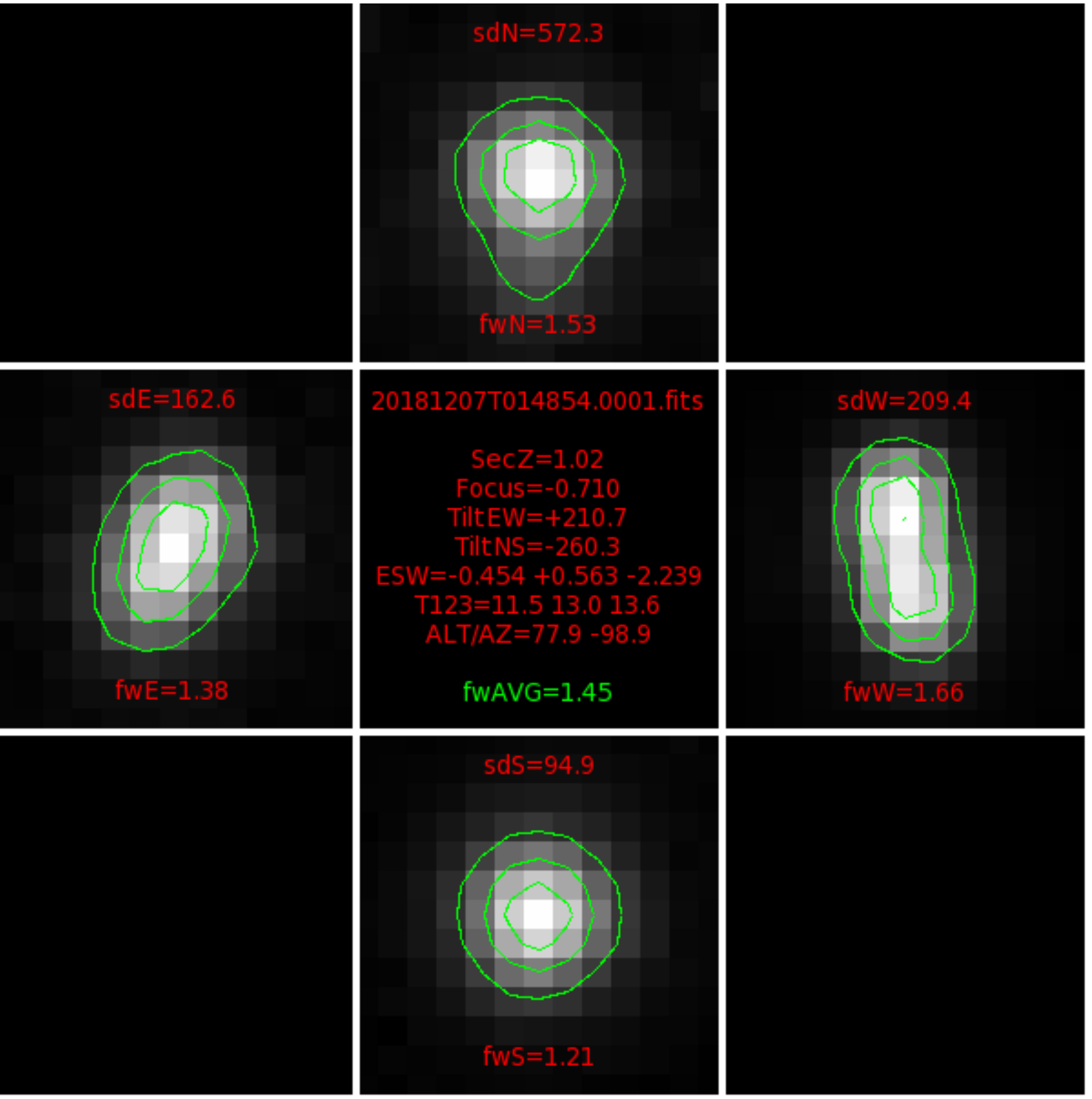
sdN=572.3
fwN=1.53
sdE=162.6
fwE=1.38
20181207T014854.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.5 13.0 13.6
ALT/AZ=77.9 -98.9
fwAVG=1.45
sdW=209.4
fwW=1.66
sdS=94.9
fwS=1.21
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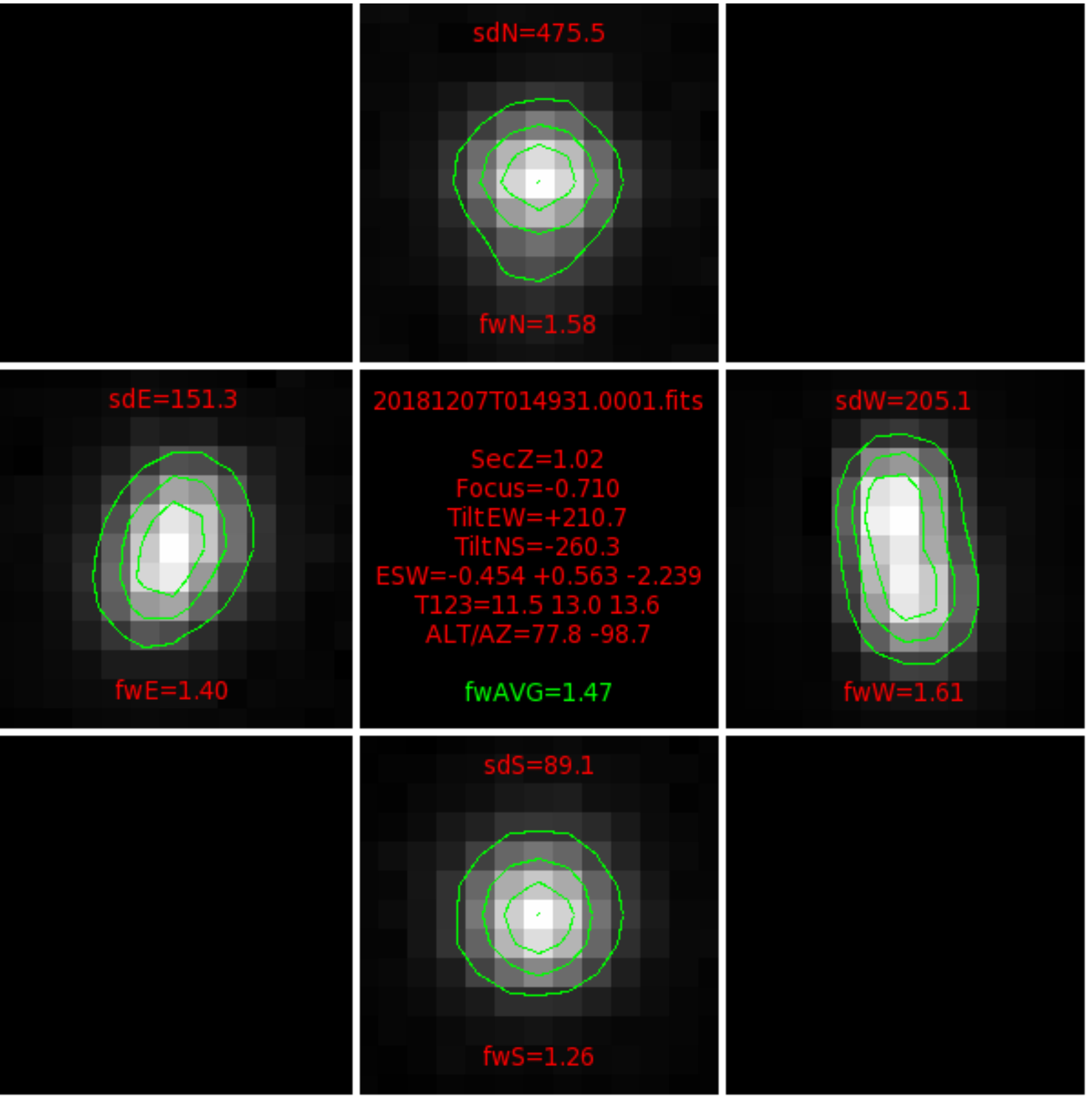
sdN=475.5
fwN=1.58
sdE=151.3
fwE=1.40
20181207T014931.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.5 13.0 13.6
ALT/AZ=77.8 -98.7
fwAVG=1.47
sdW=205.1
fwW=1.61
sdS=89.1
fwS=1.26
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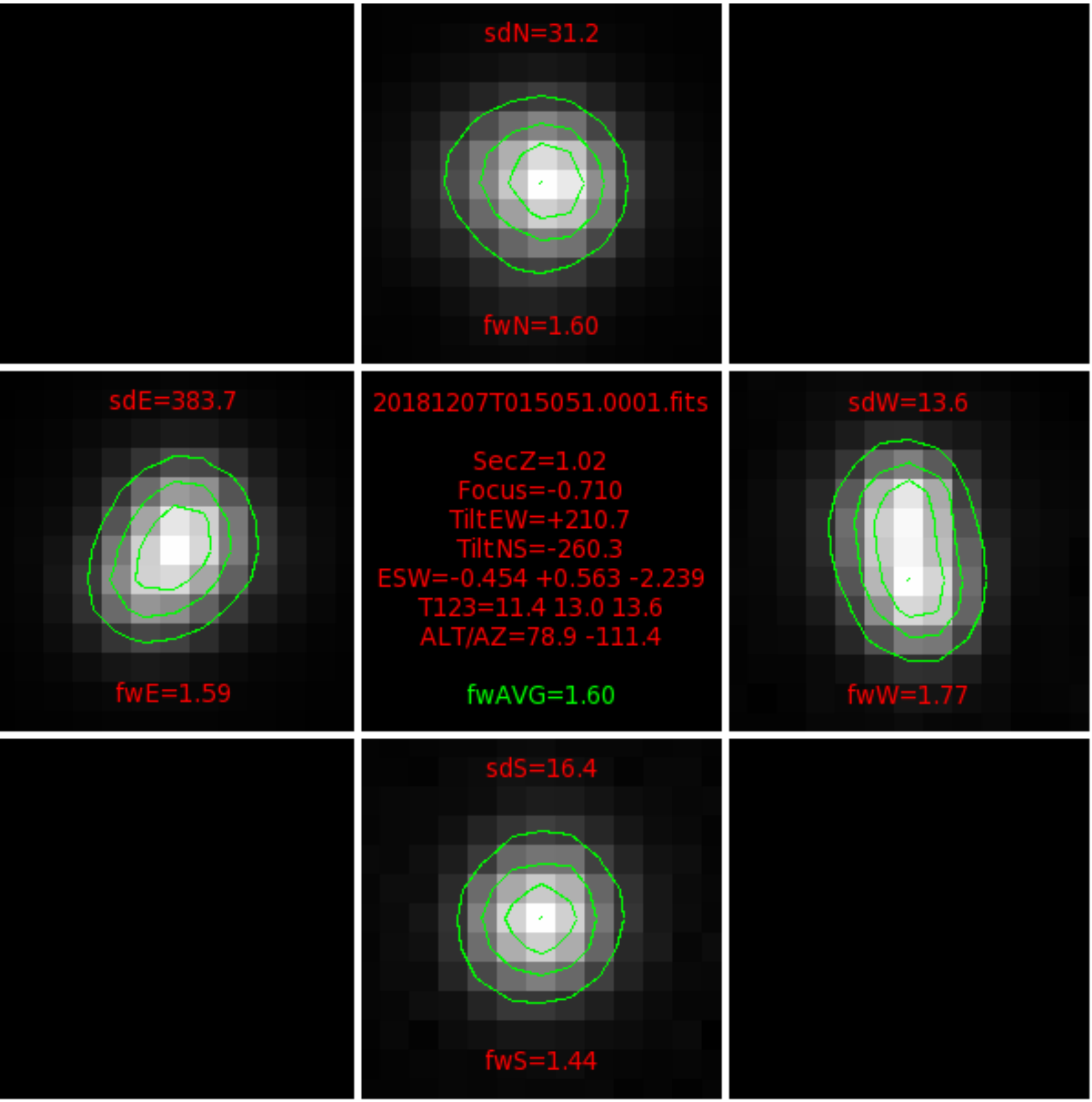
sdN=31.2
fwN=1.60
sdE=383.7
fwE=1.59
20181207T015051.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.4 13.0 13.6
ALT/AZ=78.9 -111.4
fwAVG=1.60
sdW=13.6
fwW=1.77
sdS=16.4
fwS=1.44
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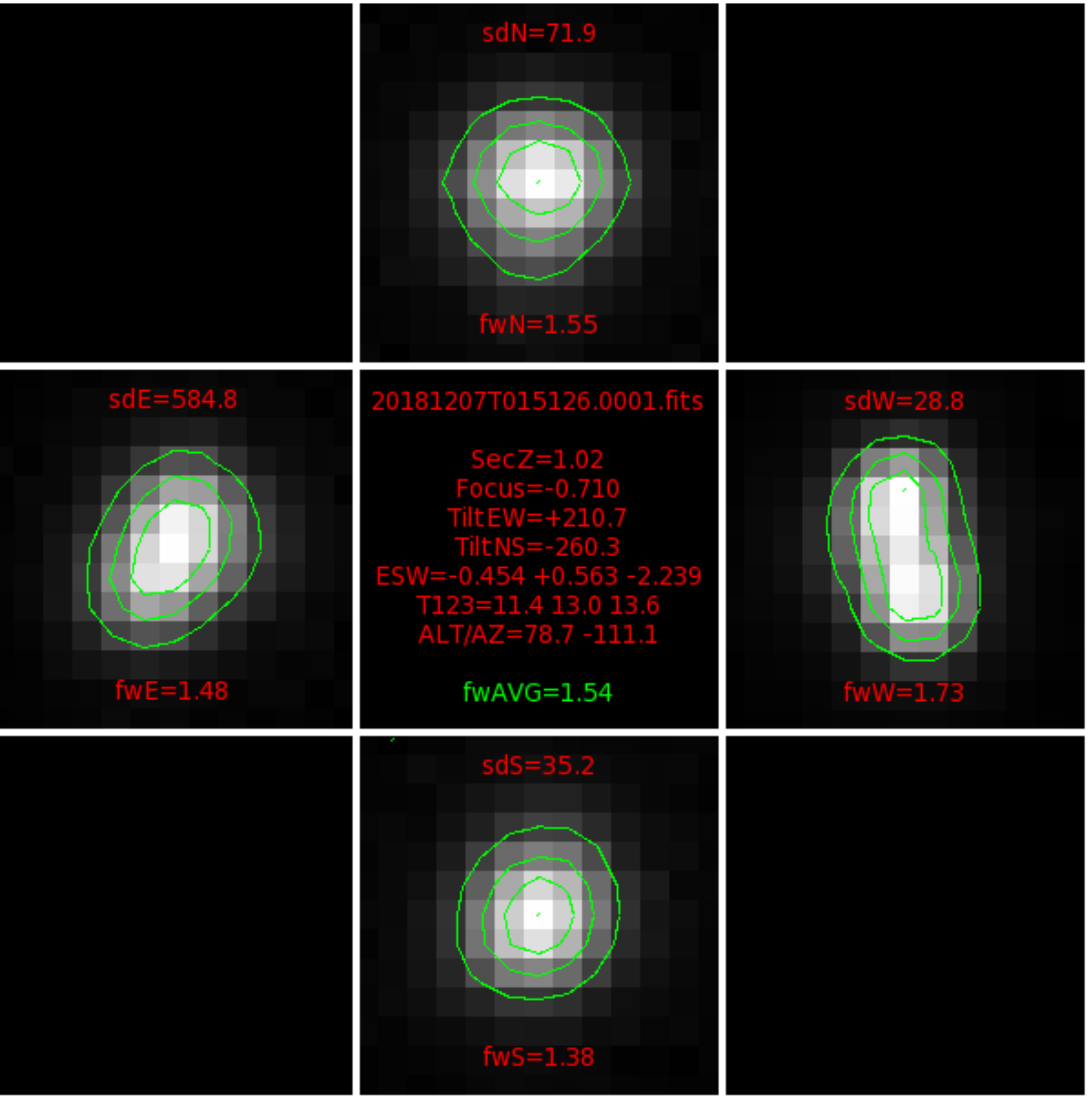
sdN=71.9
fwN=1.55
sdE=584.8
fwE=1.48
20181207T015126.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.4 13.0 13.6
ALT/AZ=78.7 -111.1
fwAVG=1.54
sdW=28.8
fwW=1.73
sdS=35.2
fwS=1.38
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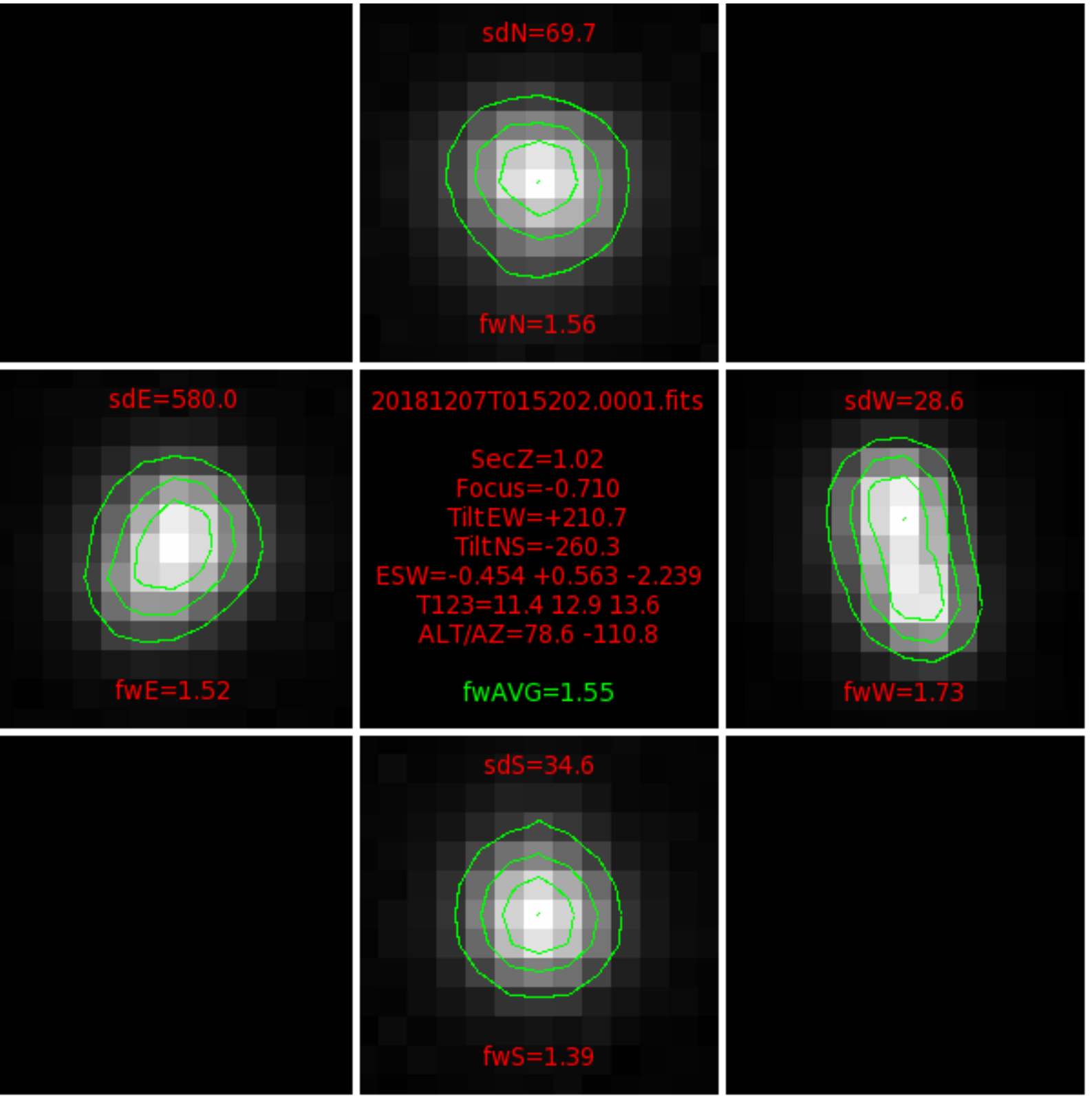
sdN=69.7
fwN=1.56
sdE=580.0
fwE=1.52
20181207T015202.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.4 12.9 13.6
ALT/AZ=78.6 -110.8
fwAVG=1.55
sdW=28.6
fwW=1.73
sdS=34.6
fwS=1.39
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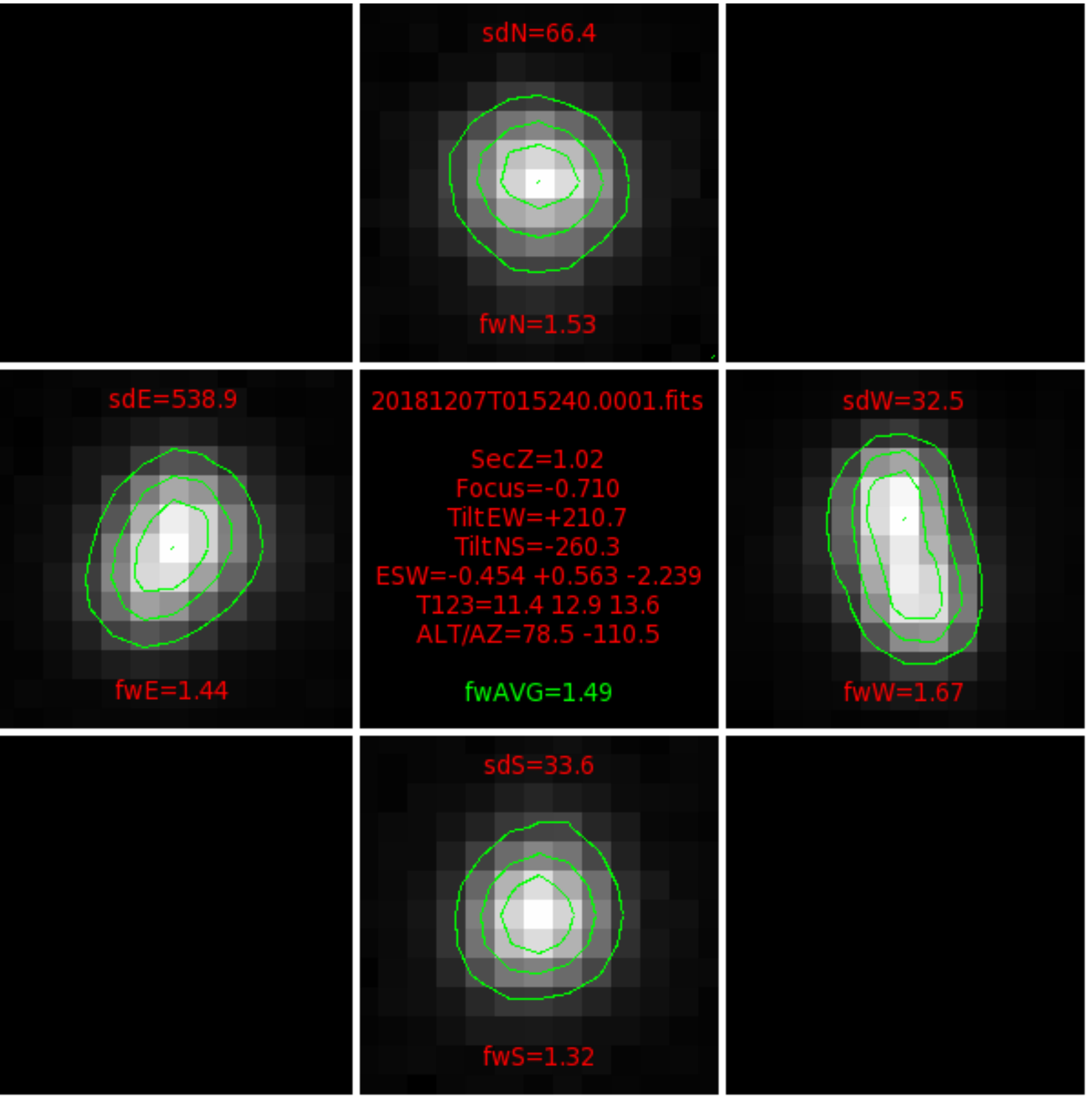
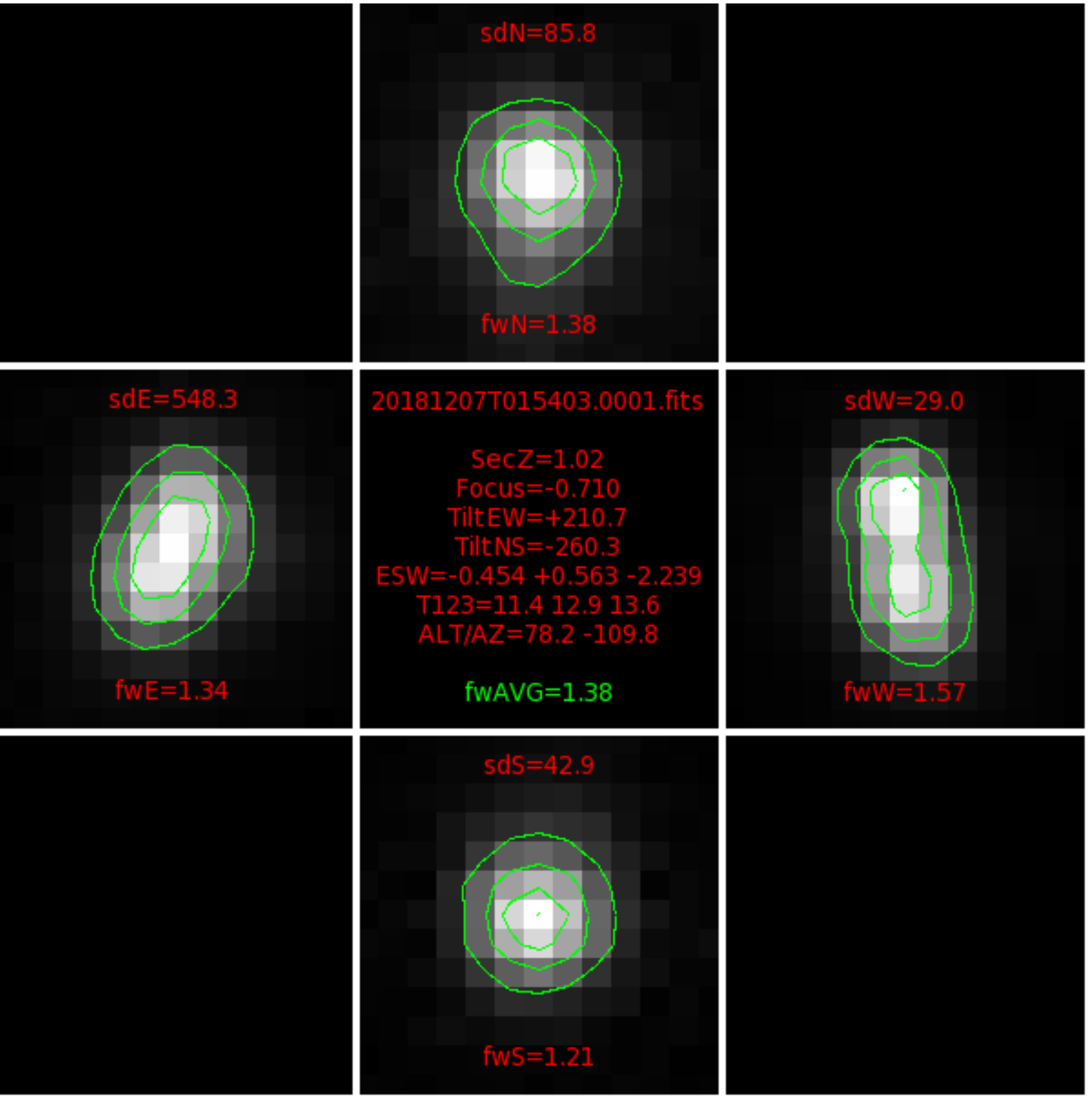

sdN=66.4
fwN=1.53
sdE=538.9
fwE=1.44
20181207T015240.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.4 12.9 13.6
ALT/AZ=78.5 -110.5
fwAVG=1.49
sdW=32.5
fwW=1.67
sdS=33.6
fwS=1.32
0 0 0 0 0 0 0 0 0


sdN=85.8
fwN=1.38
sdE=548.3
fwE=1.34
20181207T015403.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.4 12.9 13.6
ALT/AZ=78.2 -109.8
fwAVG=1.38
sdW=29.0
fwW=1.57
sdS=42.9
fwS=1.21
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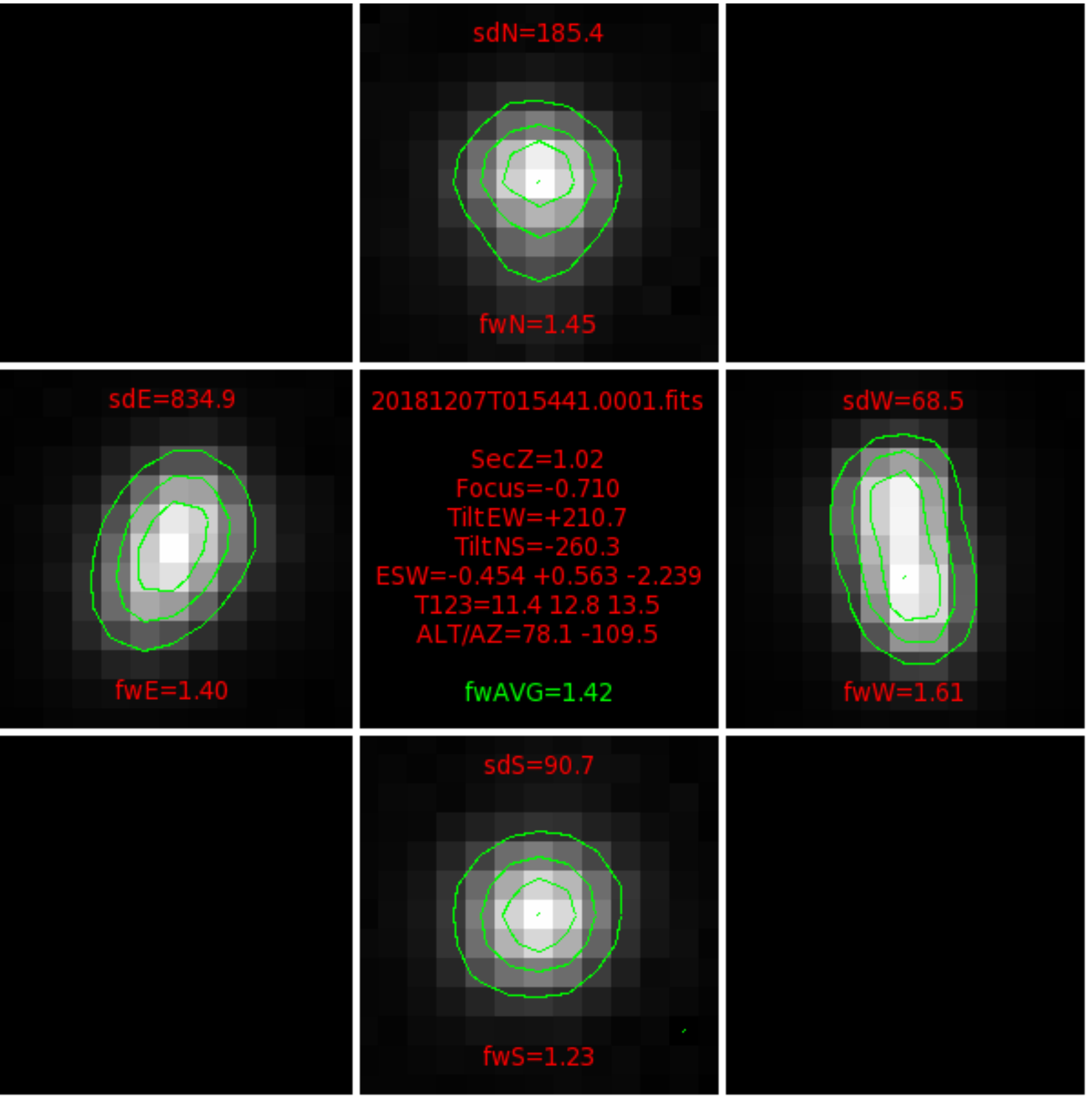
sdN=185.4
fwN=1.45
sdE=834.9
fwE=1.40
20181207T015441.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.4 12.8 13.5
ALT/AZ=78.1 -109.5
fwAVG=1.42
sdW=68.5
fwW=1.61
sdS=90.7
fwS=1.23
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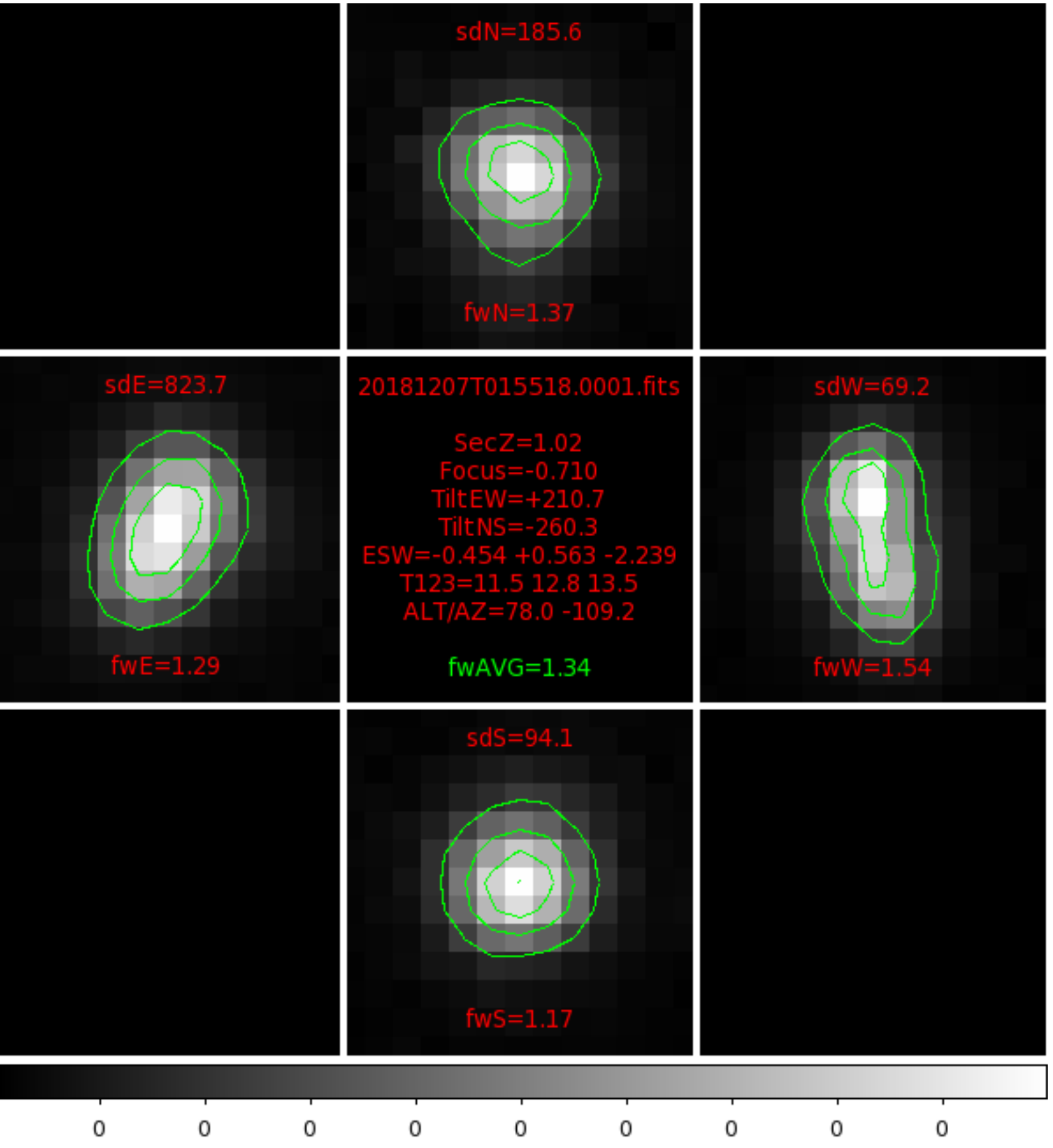
sdN=185.6
fwN=1.37
sdE=823.7
fwE=1.29
20181207T015518.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.5 12.8 13.5
ALT/AZ=78.0 -109.2
fwAVG=1.34
sdW=69.2
fwW=1.54
sdS=94.1
fwS=1.17
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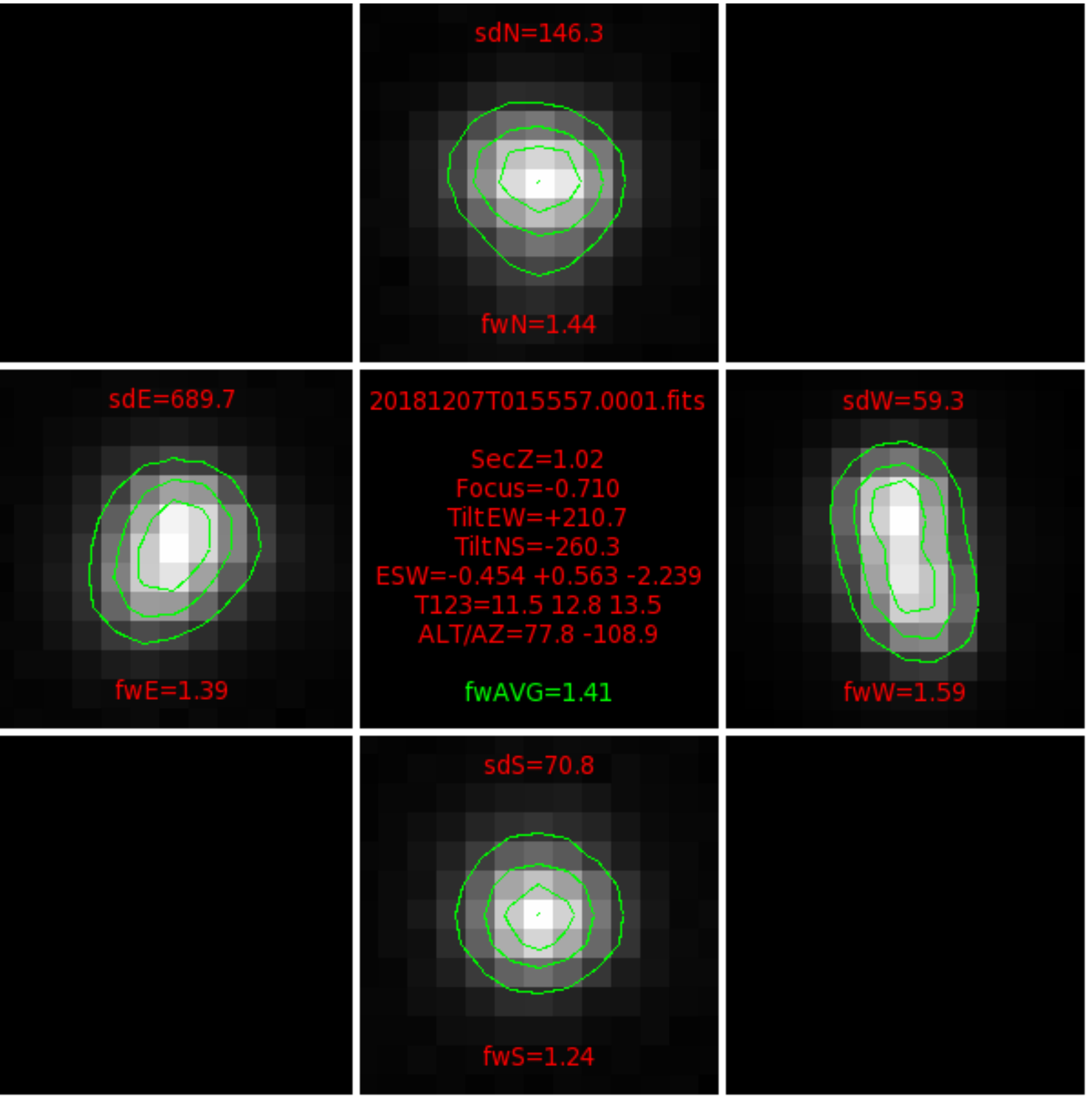
sdN=146.3
fwN=1.44
sdE=689.7
fwE=1.39
20181207T015557.0001.fits
SecZ=1.02
Focus=-0.710
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.454 +0.563 -2.239
T123=11.5 12.8 13.5
ALT/AZ=77.8 -108.9
fwAVG=1.41
sdW=59.3
fwW=1.59
sdS=70.8
fwS=1.24
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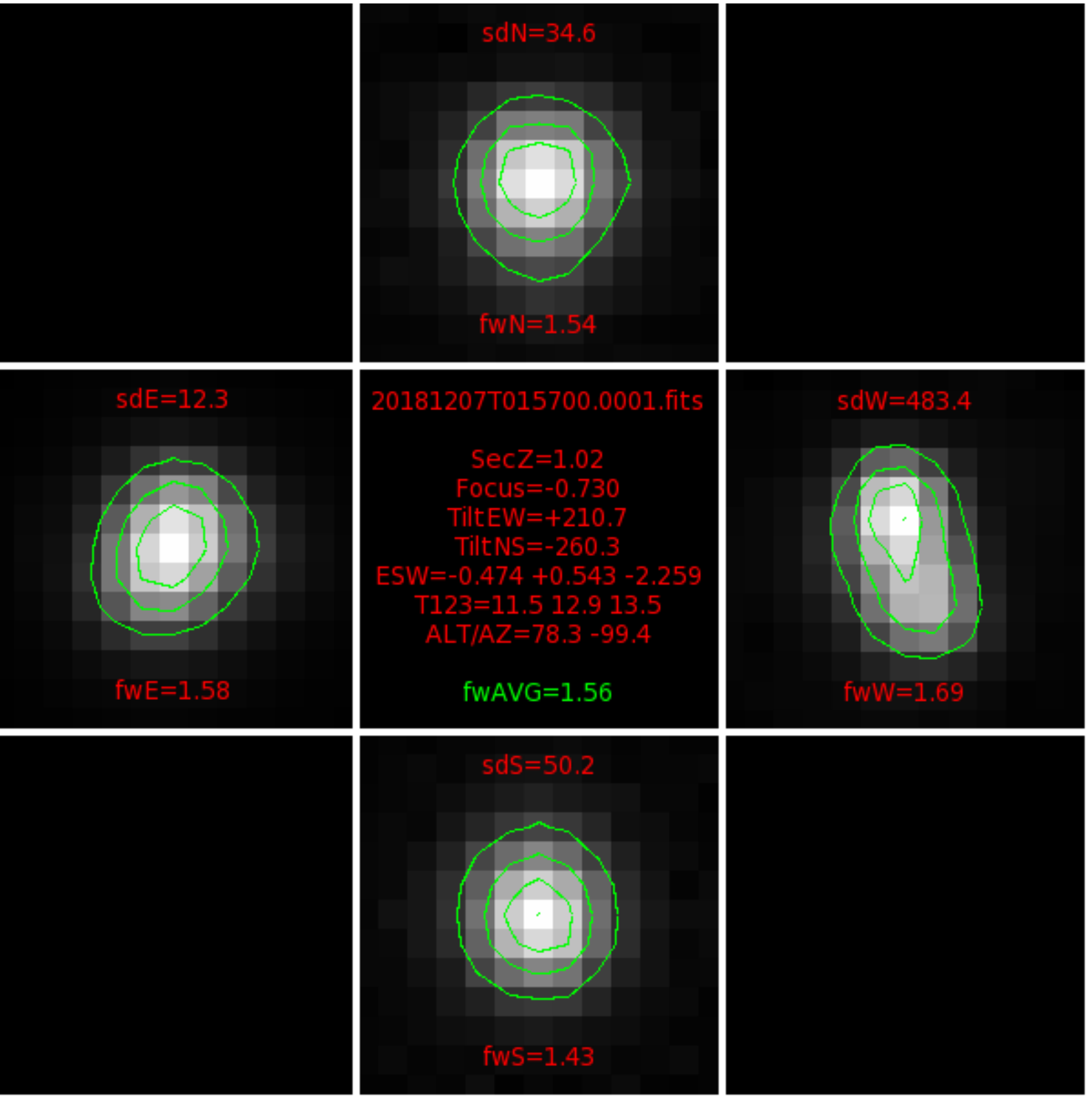
sdN=34.6
fwN=1.54
sdE=12.3
fwE=1.58
20181207T015700.0001.fits
SecZ=1.02
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.5 12.9 13.5
ALT/AZ=78.3 -99.4
fwAVG=1.56
sdW=483.4
fwW=1.69
sdS=50.2
fwS=1.43
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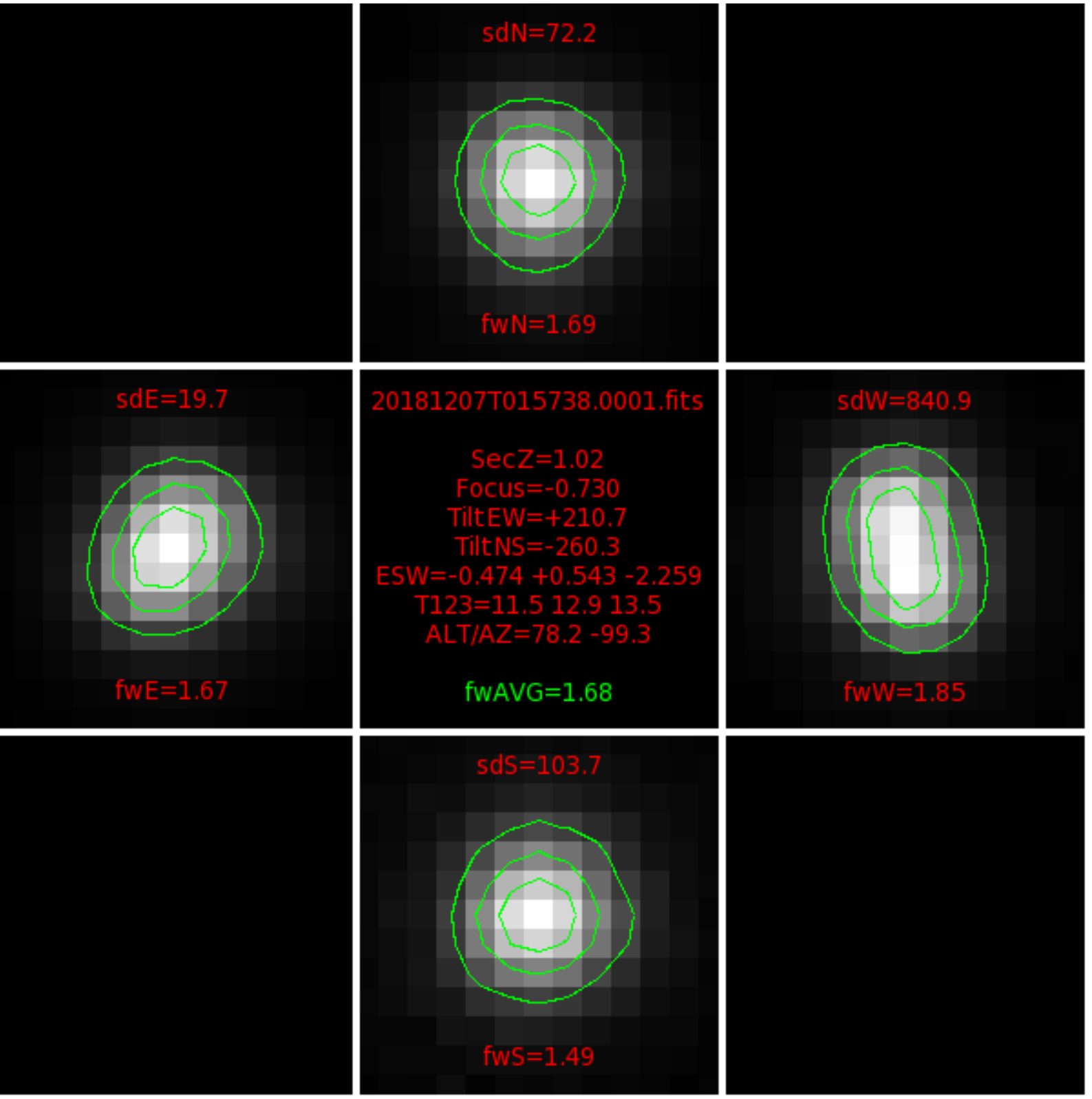
sdN=72.2
fwN=1.69
sdE=19.7
fwE=1.67
20181207T015738.0001.fits
SecZ=1.02
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.5 12.9 13.5
ALT/AZ=78.2 -99.3
fwAVG=1.68
sdW=840.9
fwW=1.85
sdS=103.7
fwS=1.49
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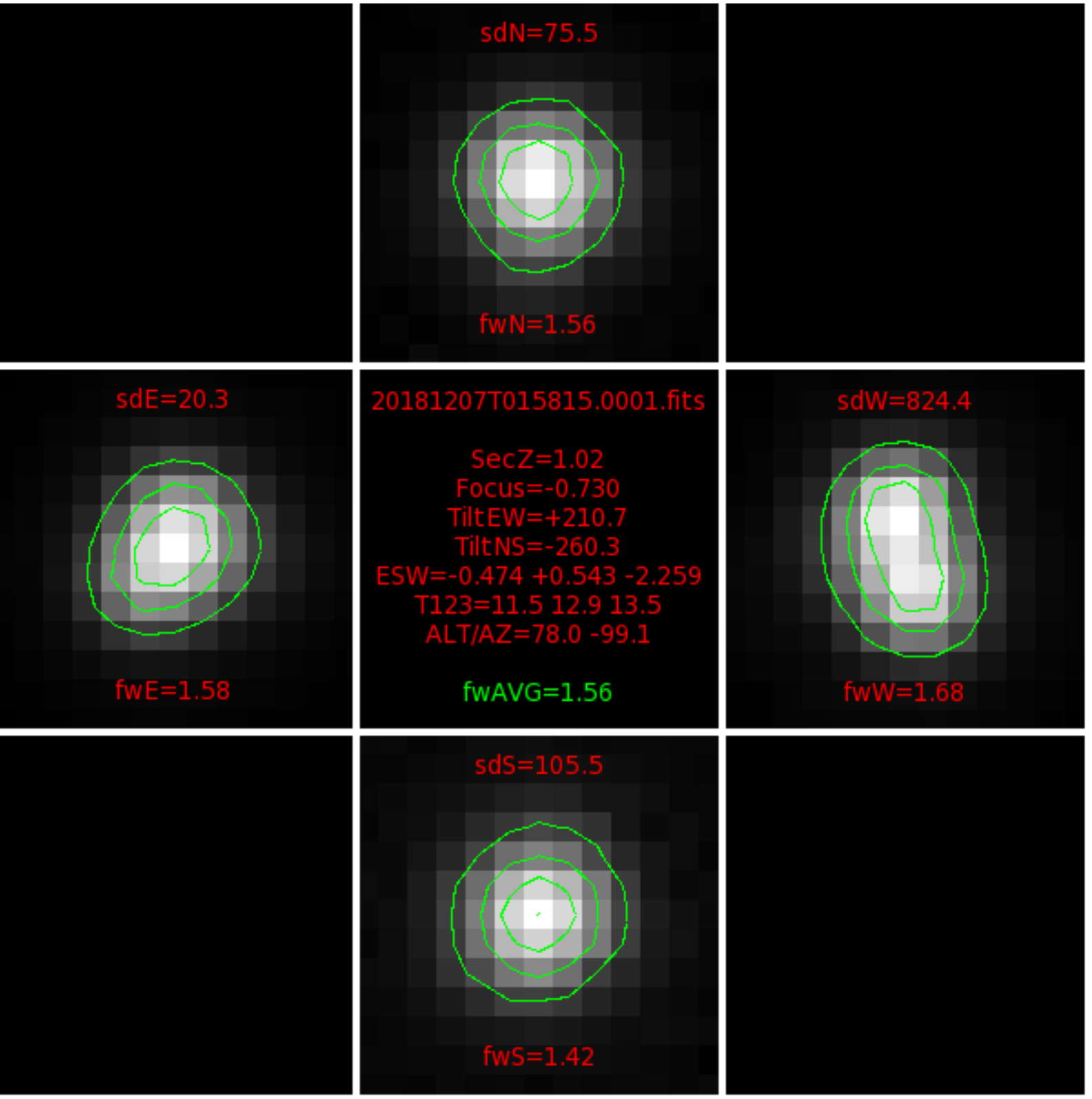
sdN=75.5
fwN=1.56
sdE=20.3
fwE=1.58
20181207T015815.0001.fits
SecZ=1.02
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.5 12.9 13.5
ALT/AZ=78.0 -99.1
fwAVG=1.56
sdW=824.4
fwW=1.68
sdS=105.5
fwS=1.42
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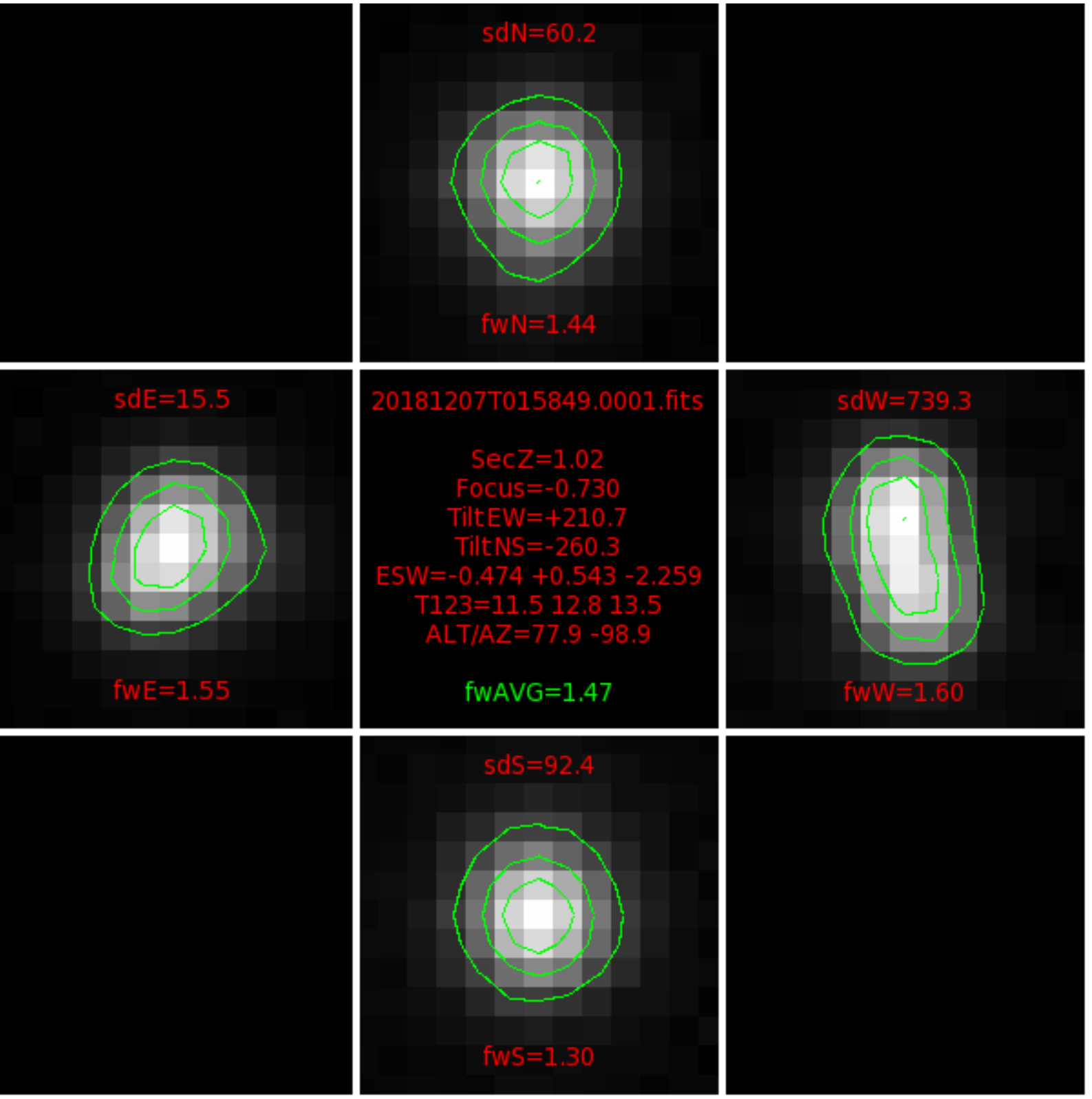
sdN=60.2
fwN=1.44
sdE=15.5
fwE=1.55
20181207T015849.0001.fits
SecZ=1.02
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.5 12.8 13.5
ALT/AZ=77.9 -98.9
fwAVG=1.47
sdW=739.3
fwW=1.60
sdS=92.4
fwS=1.30
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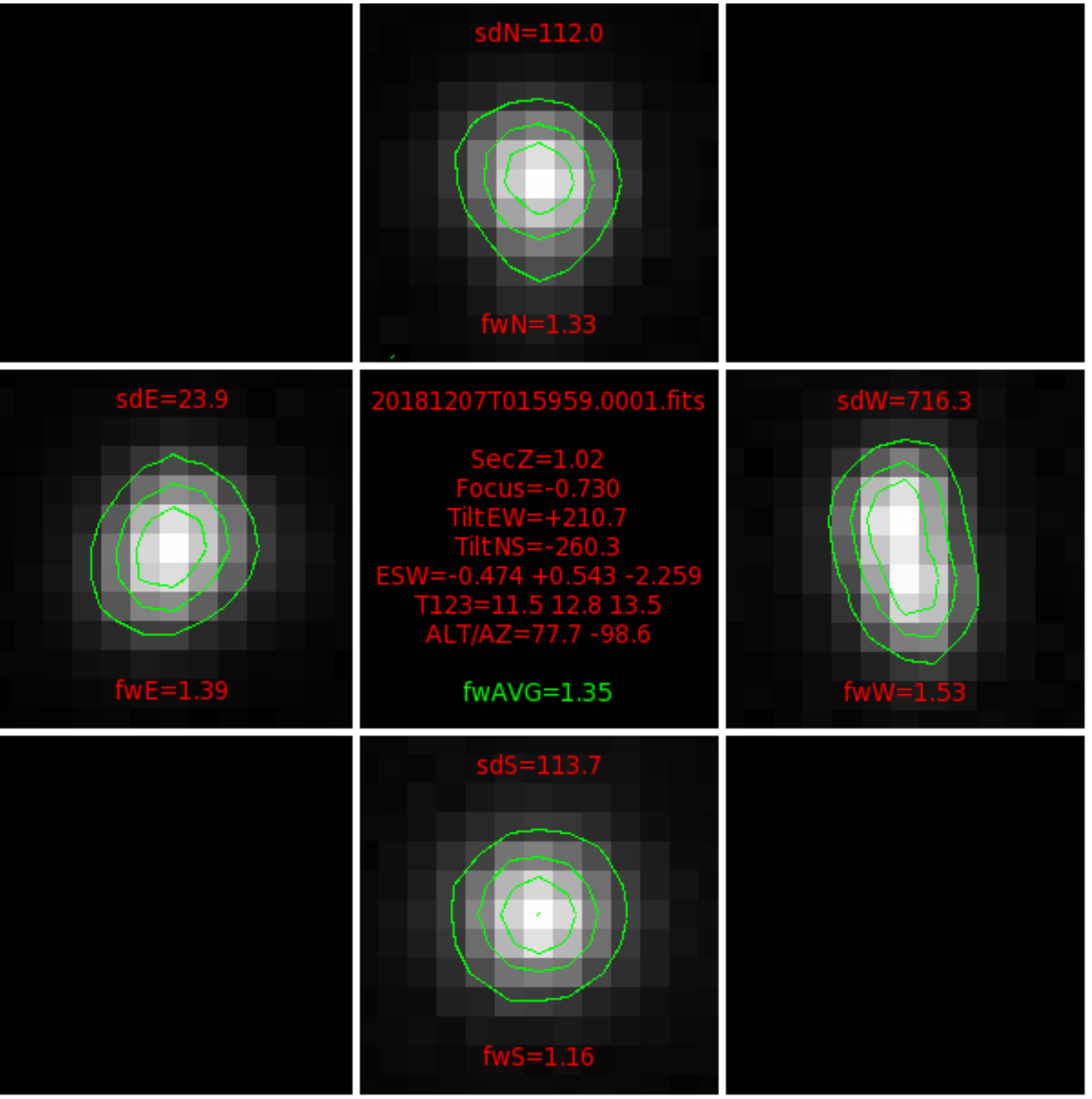
sdN=112.0
fwN=1.33
sdE=23.9
fwE=1.39
20181207T015959.0001.fits
SecZ=1.02
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.5 12.8 13.5
ALT/AZ=77.7 -98.6
fwAVG=1.35
sdW=716.3
fwW=1.53
sdS=113.7
fwS=1.16
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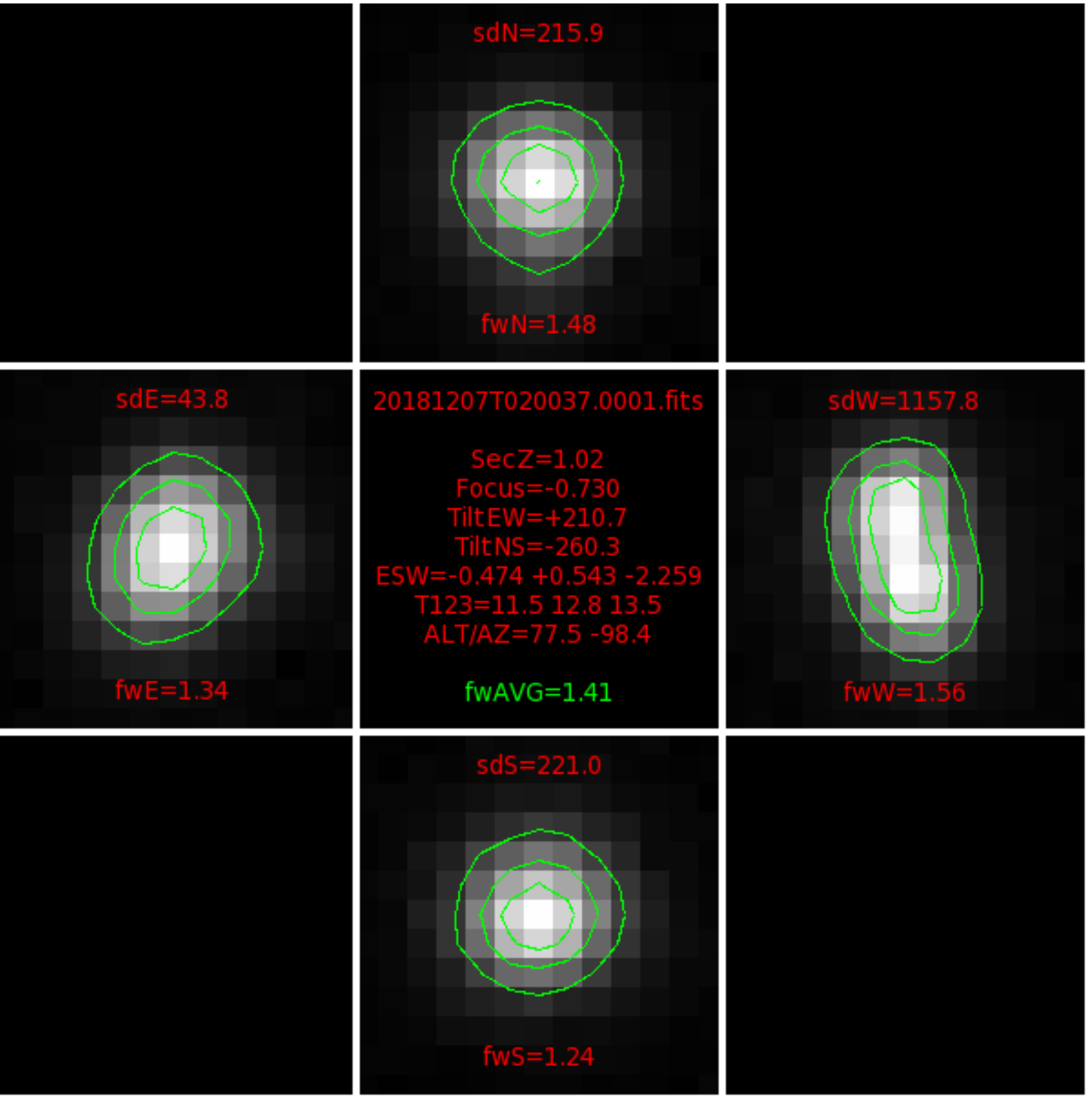
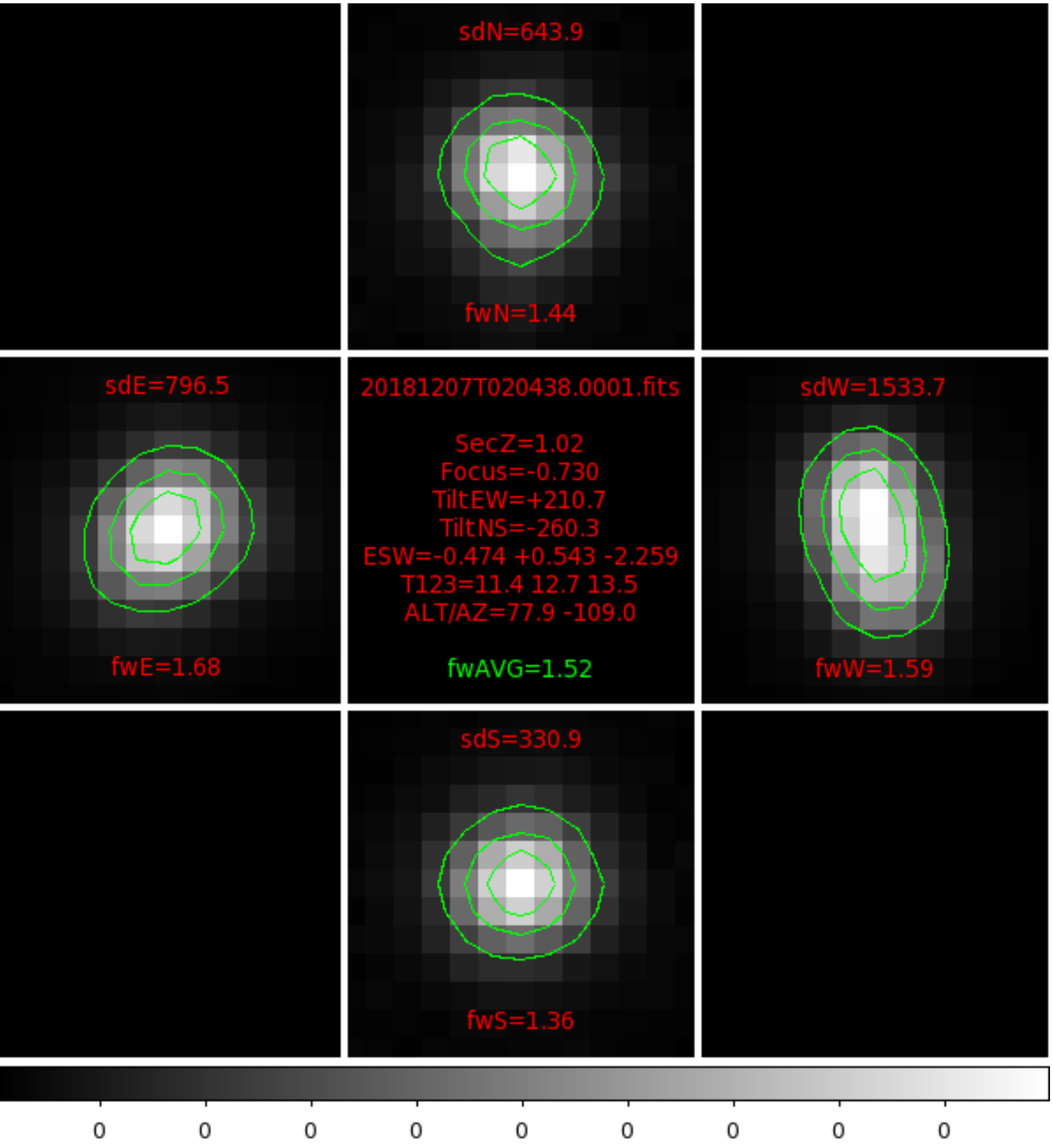

sdN=215.9
fwN=1.48
sdE=43.8
fwE=1.34
20181207T020037.0001.fits
SecZ=1.02
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.5 12.8 13.5
ALT/AZ=77.5 -98.4
fwAVG=1.41
sdW=1157.8
fwW=1.56
sdS=221.0
fwS=1.24
0 0 0 0 0 0 0 0 0


sdN=643.9
fwN=1.44
sdE=796.5
fwE=1.68
20181207T020438.0001.fits
SecZ=1.02
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.4 12.7 13.5
ALT/AZ=77.9 -109.0
fwAVG=1.52
sdW=1533.7
fwW=1.59
sdS=330.9
fwS=1.36
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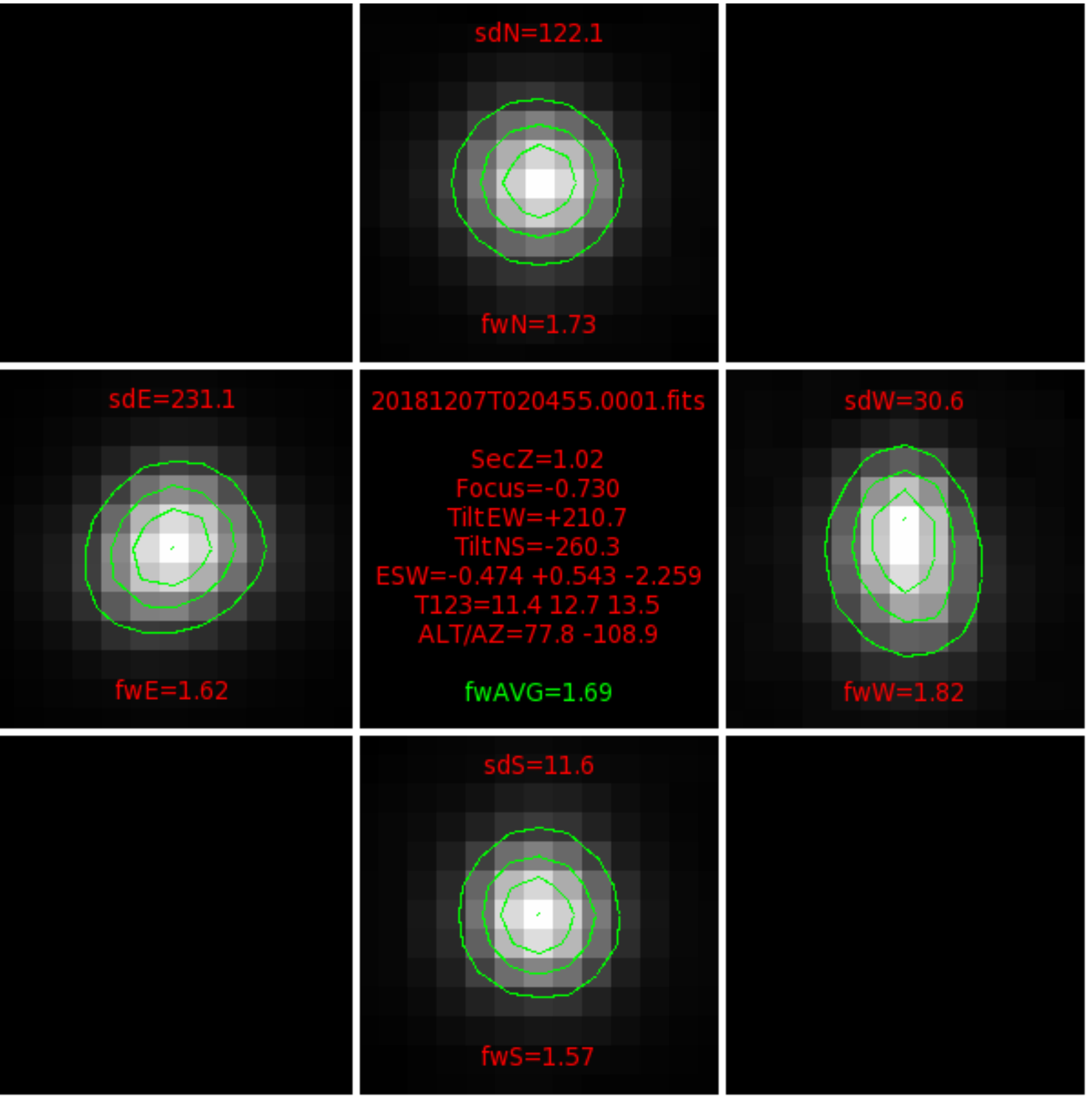
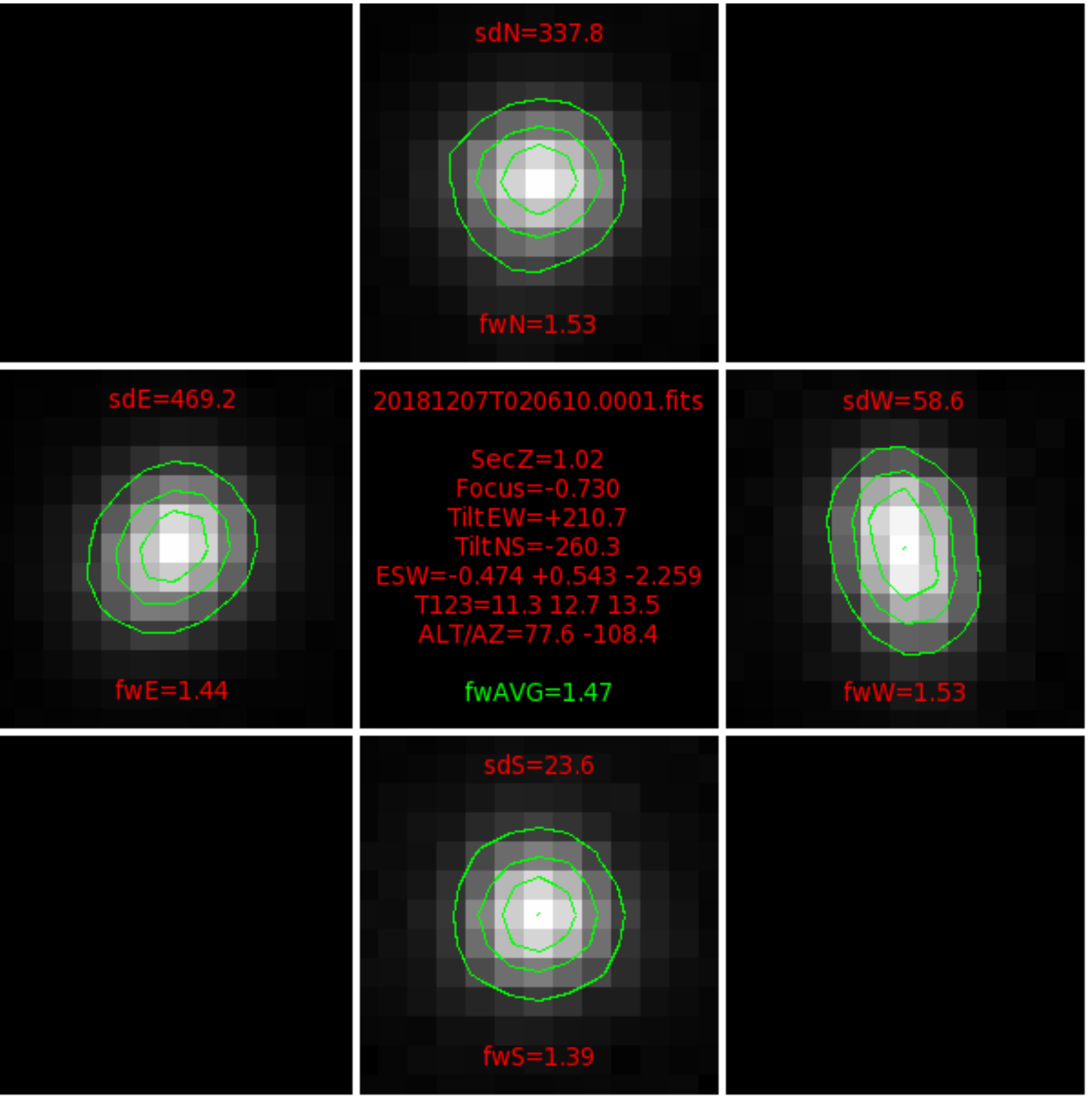

sdN=122.1
fwN=1.73
sdE=231.1
fwE=1.62
20181207T020455.0001.fits
SecZ=1.02
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.4 12.7 13.5
ALT/AZ=77.8 -108.9
fwAVG=1.69
sdW=30.6
fwW=1.82
sdS=11.6
fwS=1.57
0 0 0 0 0 0 0 0 0


sdN=337.8
fwN=1.53
sdE=469.2
fwE=1.44
20181207T020610.0001.fits
SecZ=1.02
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.3 12.7 13.5
ALT/AZ=77.6 -108.4
fwAVG=1.47
sdW=58.6
fwW=1.53
sdS=23.6
fwS=1.39
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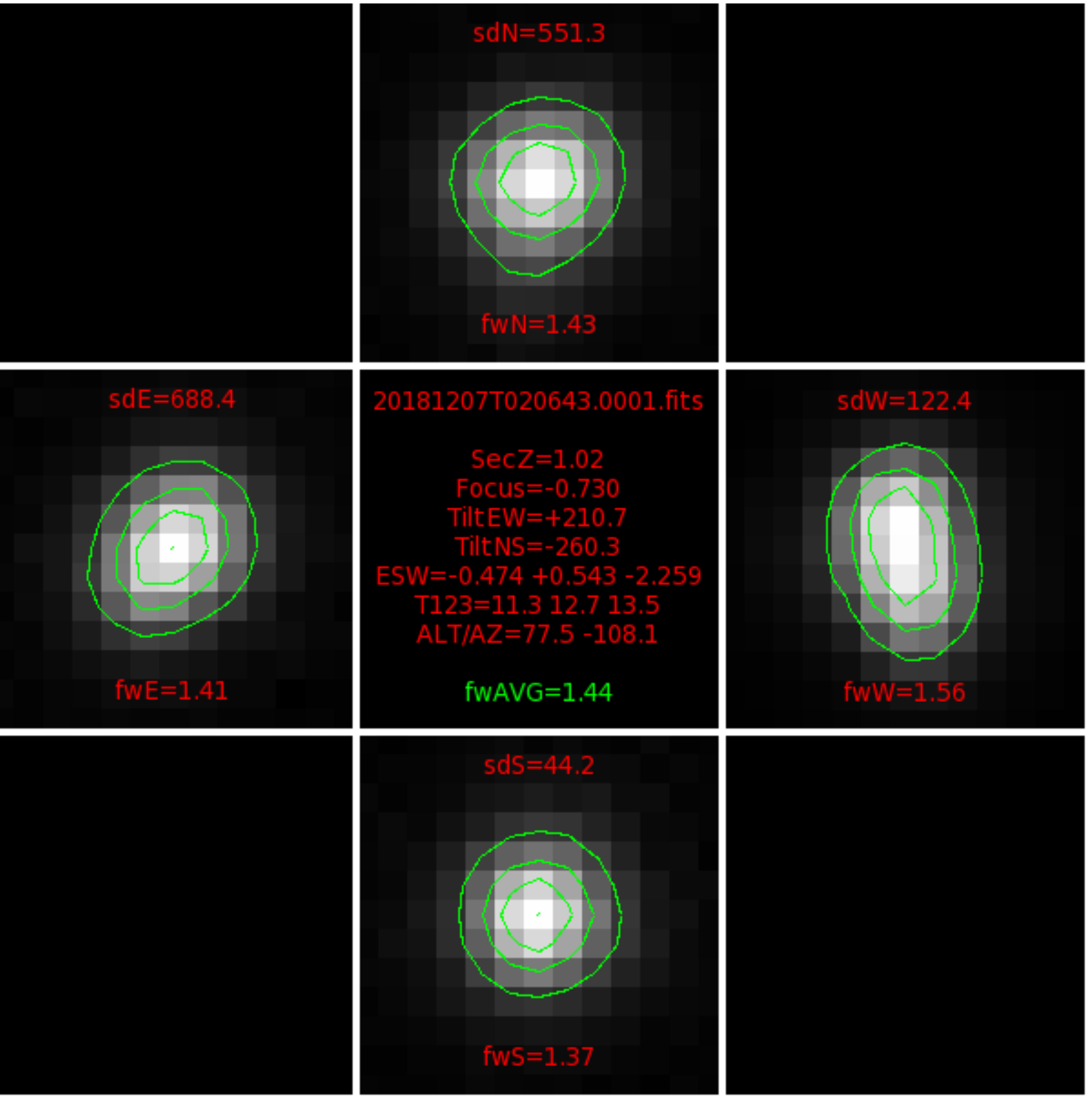
sdN=551.3
fwN=1.43
sdE=688.4
fwE=1.41
20181207T020643.0001.fits
SecZ=1.02
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.3 12.7 13.5
ALT/AZ=77.5 -108.1
fwAVG=1.44
sdW=122.4
fwW=1.56
sdS=44.2
fwS=1.37
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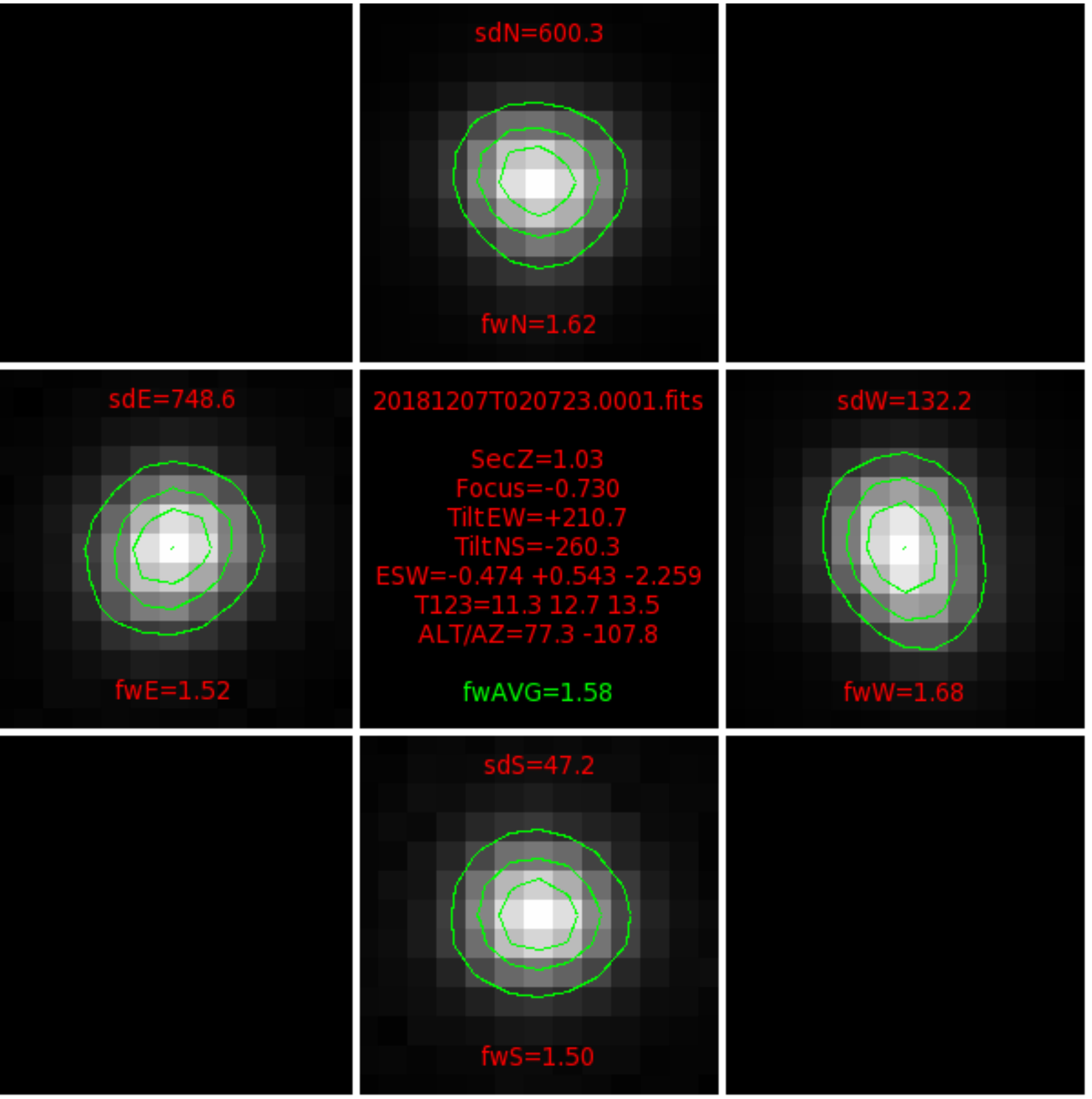
sdN=600.3
fwN=1.62
sdE=748.6
fwE=1.52
20181207T020723.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.3 12.7 13.5
ALT/AZ=77.3 -107.8
fwAVG=1.58
sdW=132.2
fwW=1.68
sdS=47.2
fwS=1.50
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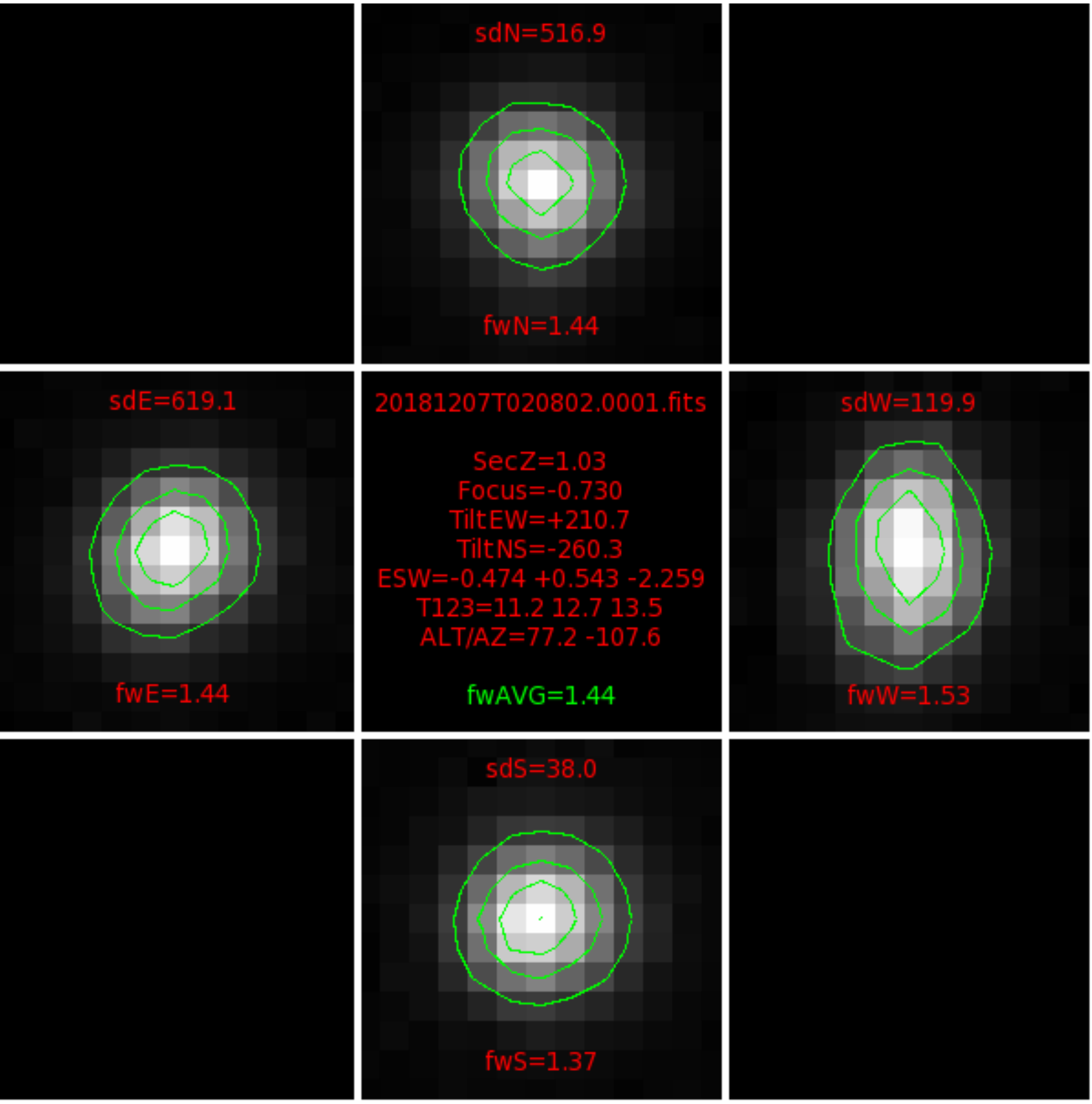
sdN=516.9
fwN=1.44
sdE=619.1
fwE=1.44
20181207T020802.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.2 12.7 13.5
ALT/AZ=77.2 -107.6
fwAVG=1.44
sdW=119.9
fwW=1.53
sdS=38.0
fwS=1.37
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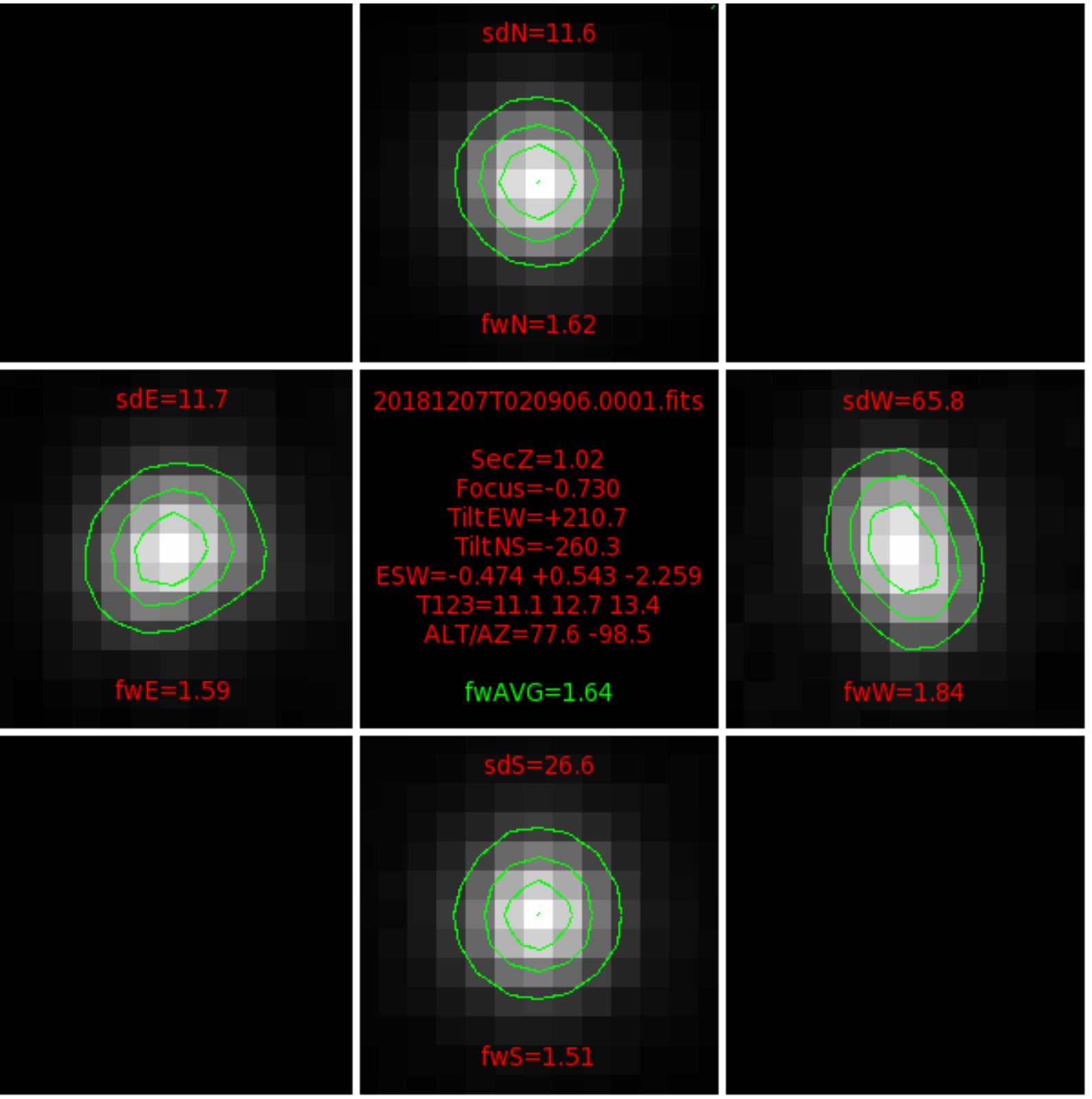
sdN=11.6
fwN=1.62
sdE=11.7
fwE=1.59
20181207T020906.0001.fits
SecZ=1.02
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.1 12.7 13.4
ALT/AZ=77.6 -98.5
fwAVG=1.64
sdW=65.8
fwW=1.84
sdS=26.6
fwS=1.51
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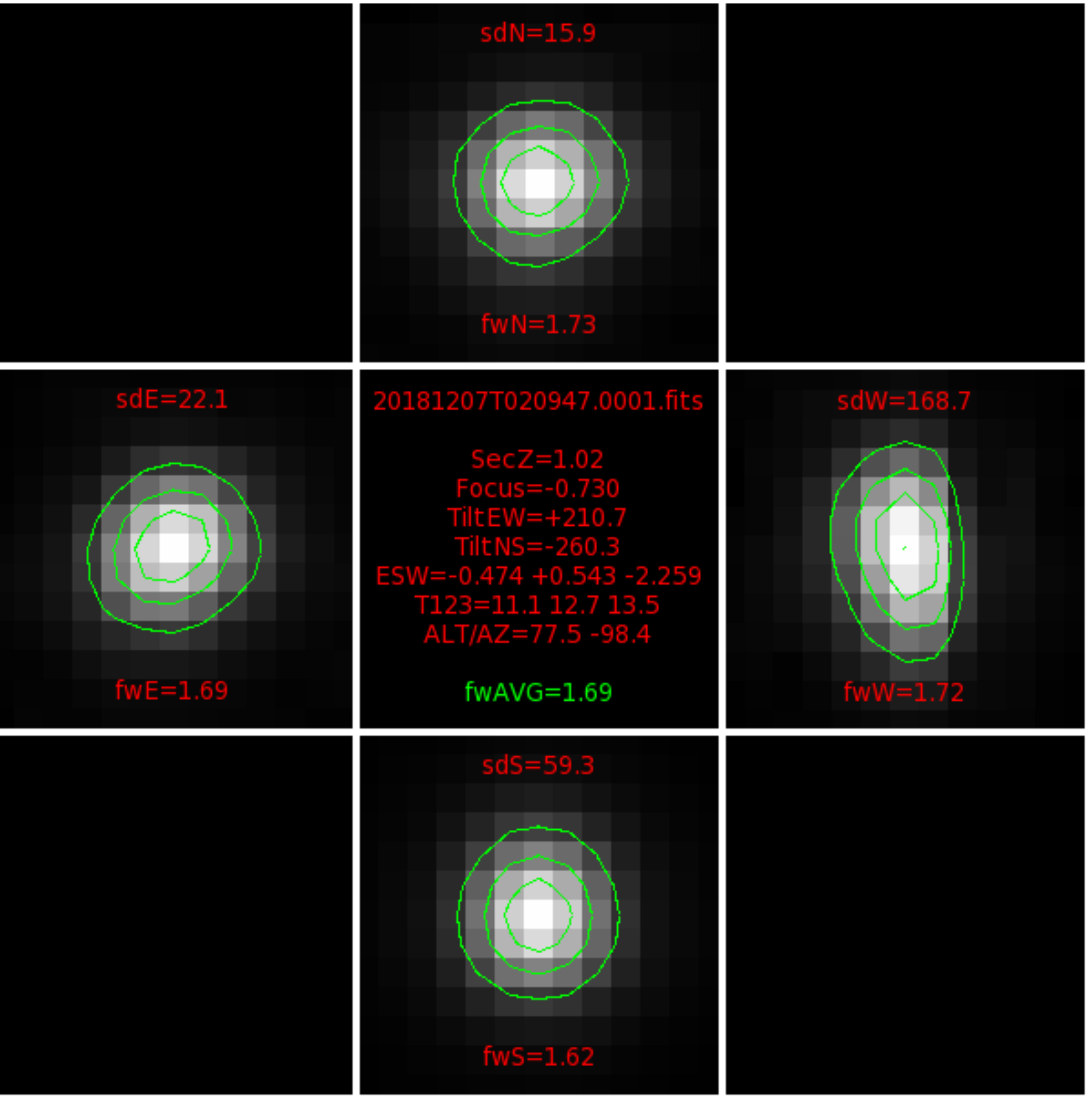
sdN=15.9
fwN=1.73
sdE=22.1
fwE=1.69
20181207T020947.0001.fits
SecZ=1.02
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.1 12.7 13.5
ALT/AZ=77.5 -98.4
fwAVG=1.69
sdW=168.7
fwW=1.72
sdS=59.3
fwS=1.62
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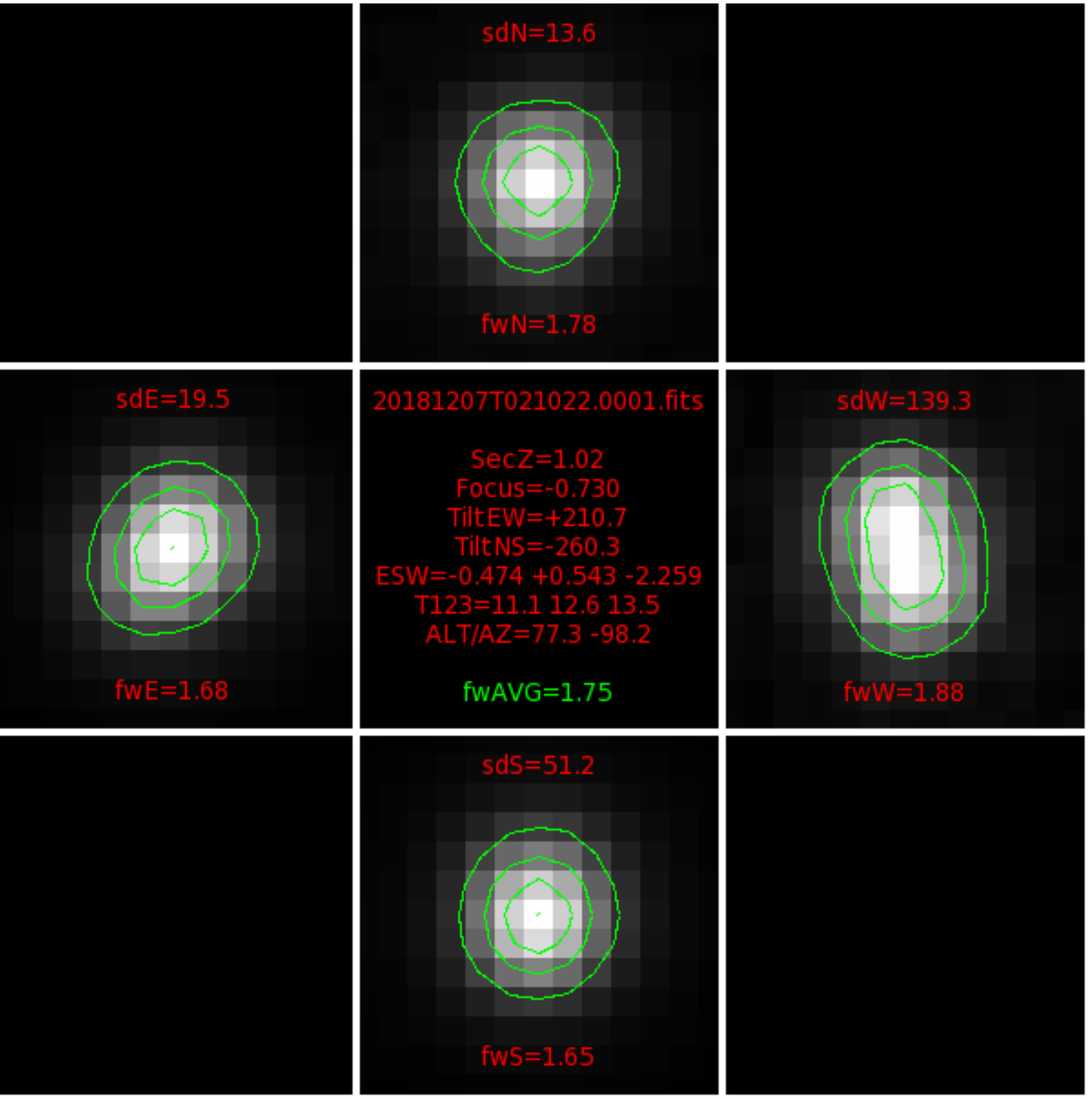
sdN=13.6
fwN=1.78
sdE=19.5
fwE=1.68
20181207T021022.0001.fits
SecZ=1.02
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.1 12.6 13.5
ALT/AZ=77.3 -98.2
fwAVG=1.75
sdW=139.3
fwW=1.88
sdS=51.2
fwS=1.65
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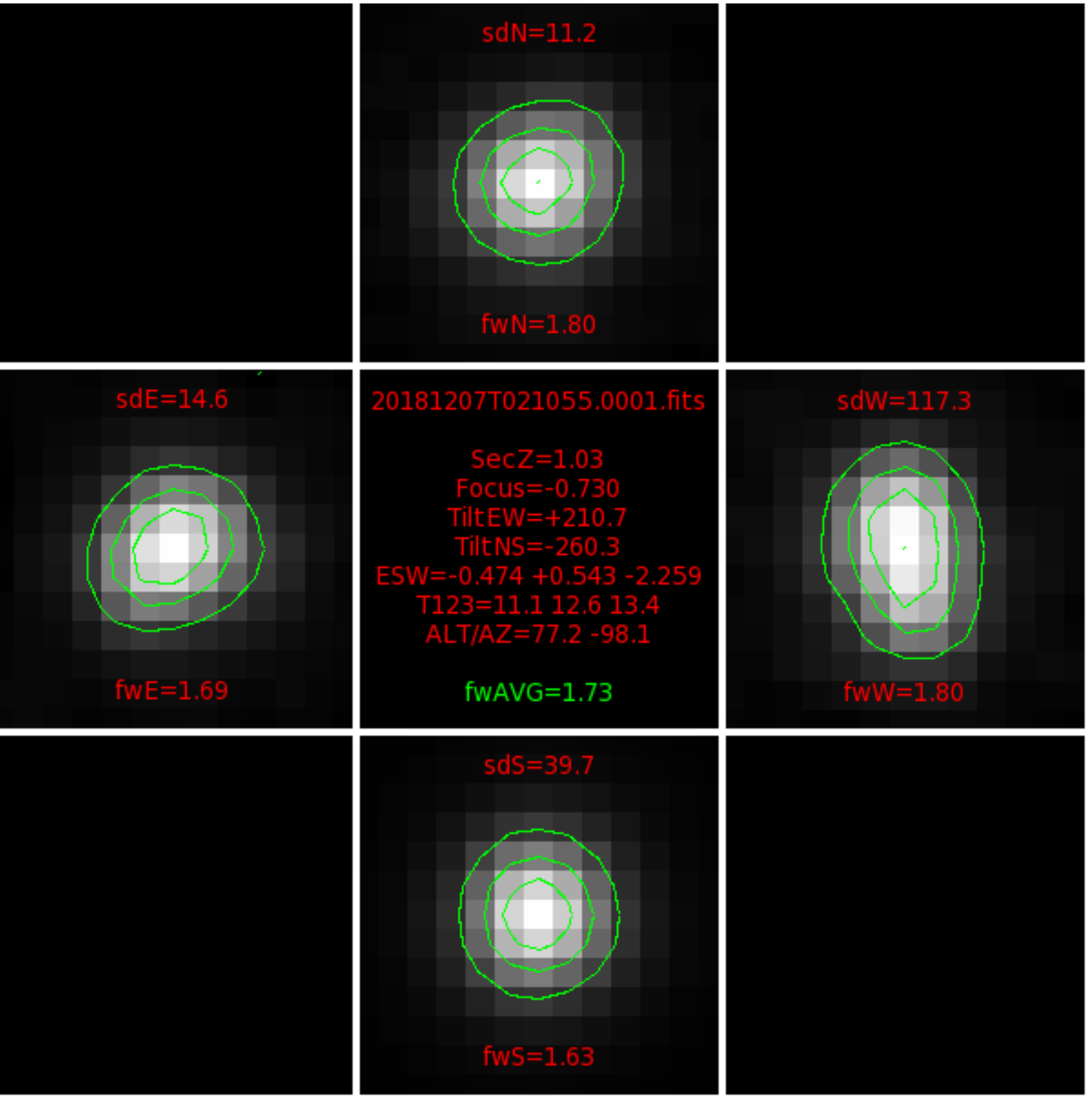
sdN=11.2
fwN=1.80
sdE=14.6
fwE=1.69
20181207T021055.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.1 12.6 13.4
ALT/AZ=77.2 -98.1
fwAVG=1.73
sdW=117.3
fwW=1.80
sdS=39.7
fwS=1.63
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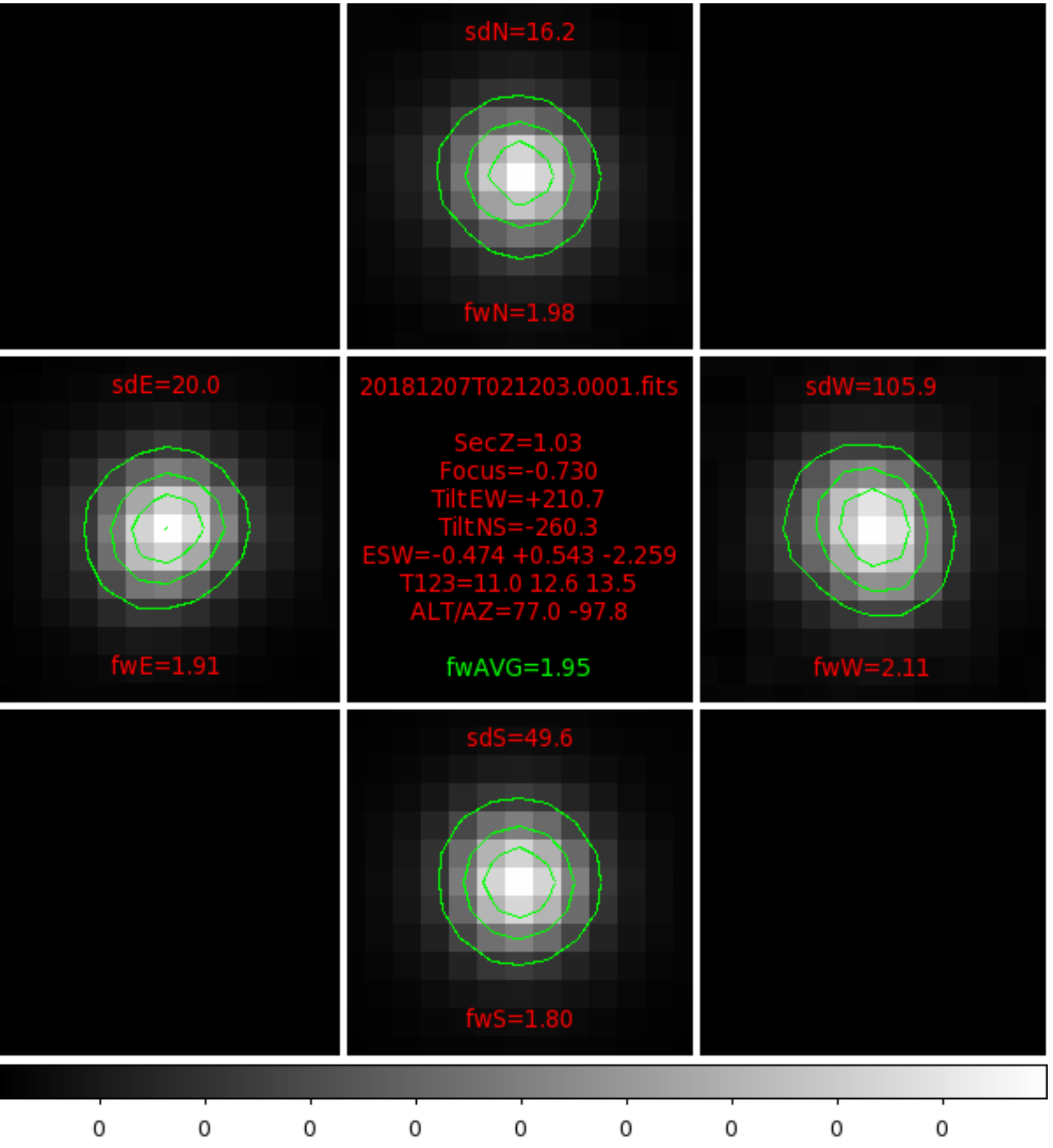
sdN=16.2
fwN=1.98
sdE=20.0
fwE=1.91
20181207T021203.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.0 12.6 13.5
ALT/AZ=77.0 -97.8
fwAVG=1.95
sdW=105.9
fwW=2.11
sdS=49.6
fwS=1.80
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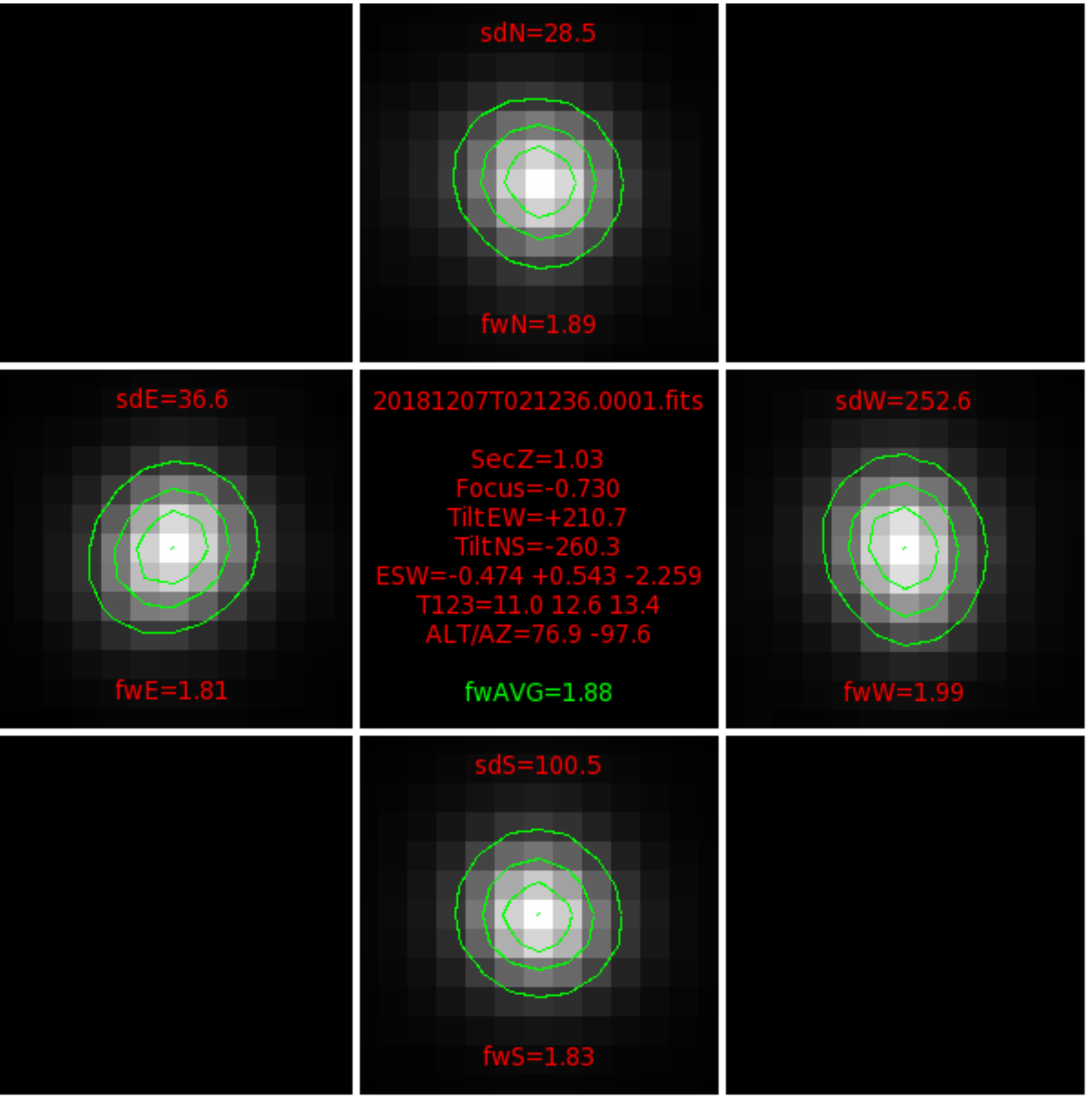
sdN=28.5
fwN=1.89
sdE=36.6
fwE=1.81
20181207T021236.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.0 12.6 13.4
ALT/AZ=76.9 -97.6
fwAVG=1.88
sdW=252.6
fwW=1.99
sdS=100.5
fwS=1.83
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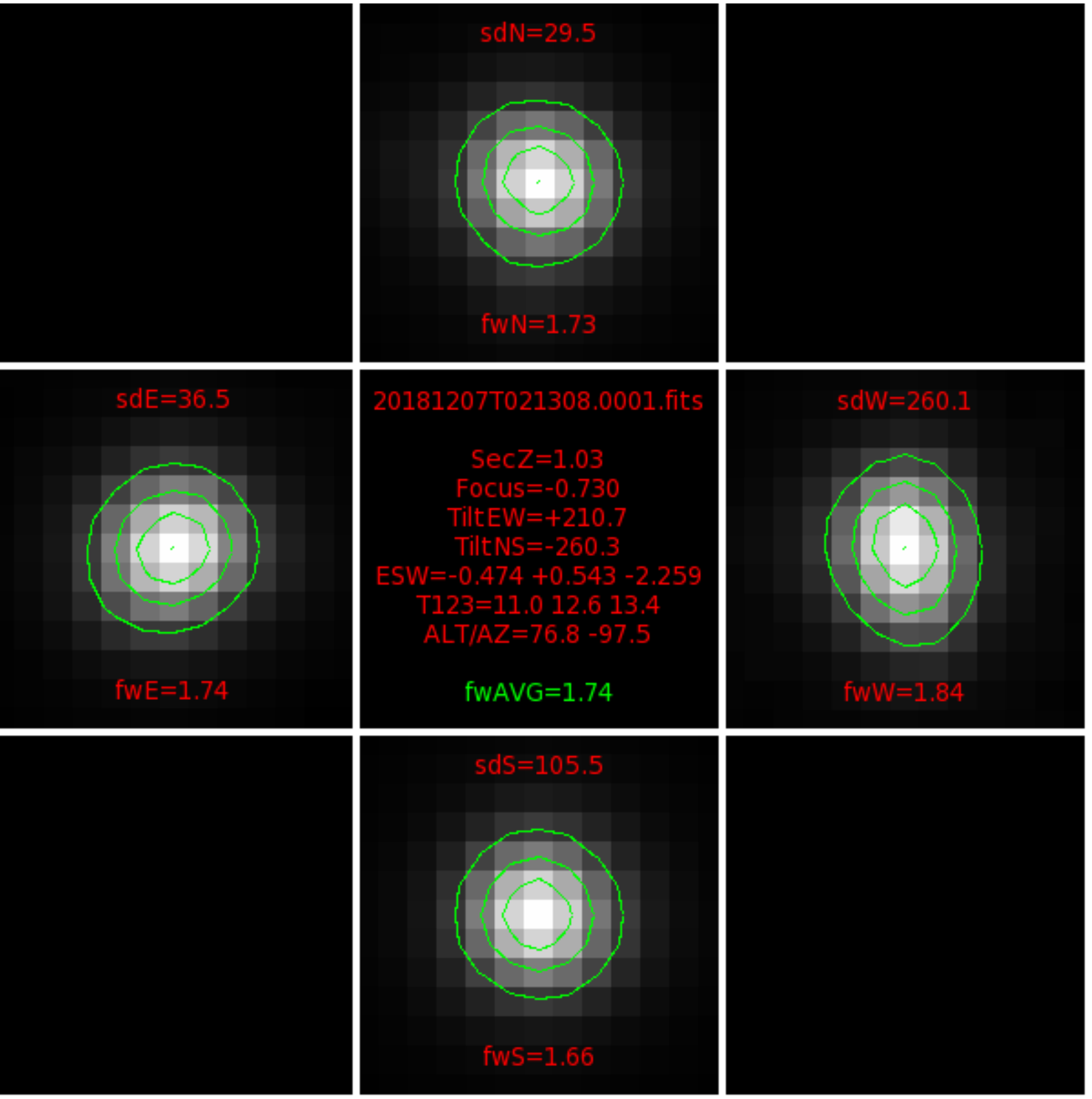
sdN=29.5
fwN=1.73
sdE=36.5
fwE=1.74
20181207T021308.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.0 12.6 13.4
ALT/AZ=76.8 -97.5
fwAVG=1.74
sdW=260.1
fwW=1.84
sdS=105.5
fwS=1.66
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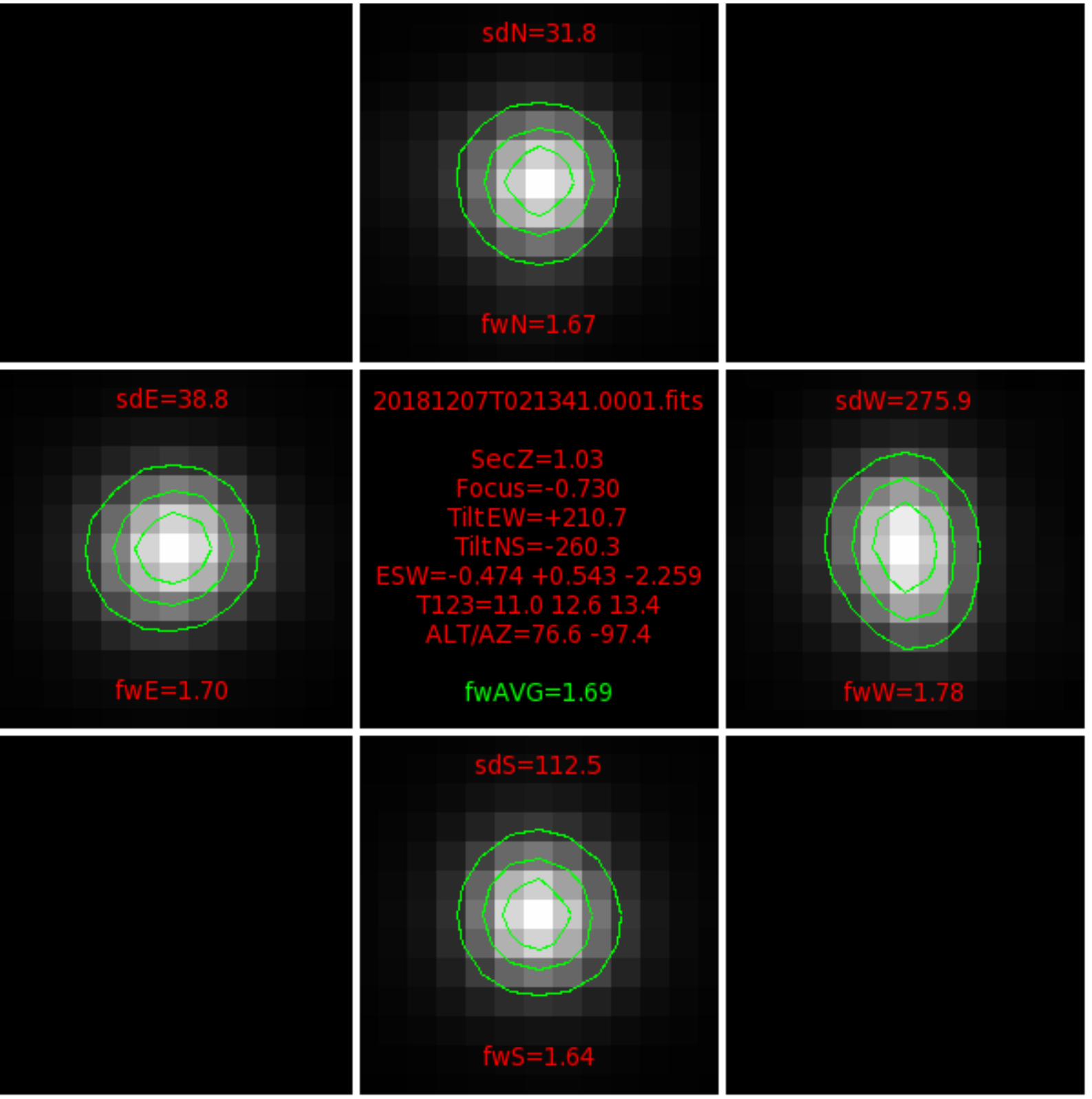
sdN=31.8
fwN=1.67
sdE=38.8
fwE=1.70
20181207T021341.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.0 12.6 13.4
ALT/AZ=76.6 -97.4
fwAVG=1.69
sdW=275.9
fwW=1.78
sdS=112.5
fwS=1.64
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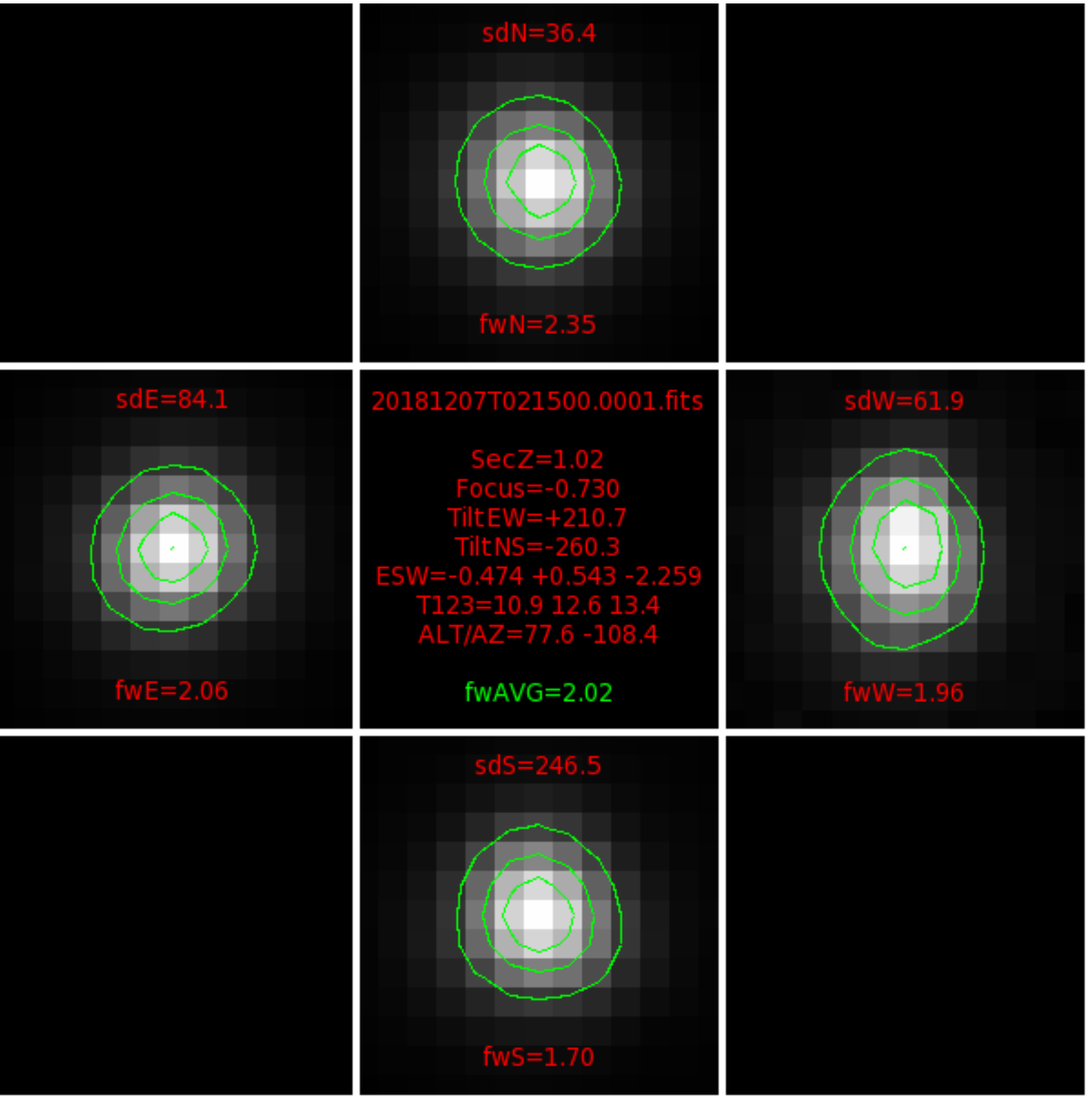
sdN=36.4
fwN=2.35
sdE=84.1
fwE=2.06
20181207T021500.0001.fits
SecZ=1.02
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.9 12.6 13.4
ALT/AZ=77.6 -108.4
fwAVG=2.02
sdW=61.9
fwW=1.96
sdS=246.5
fwS=1.70
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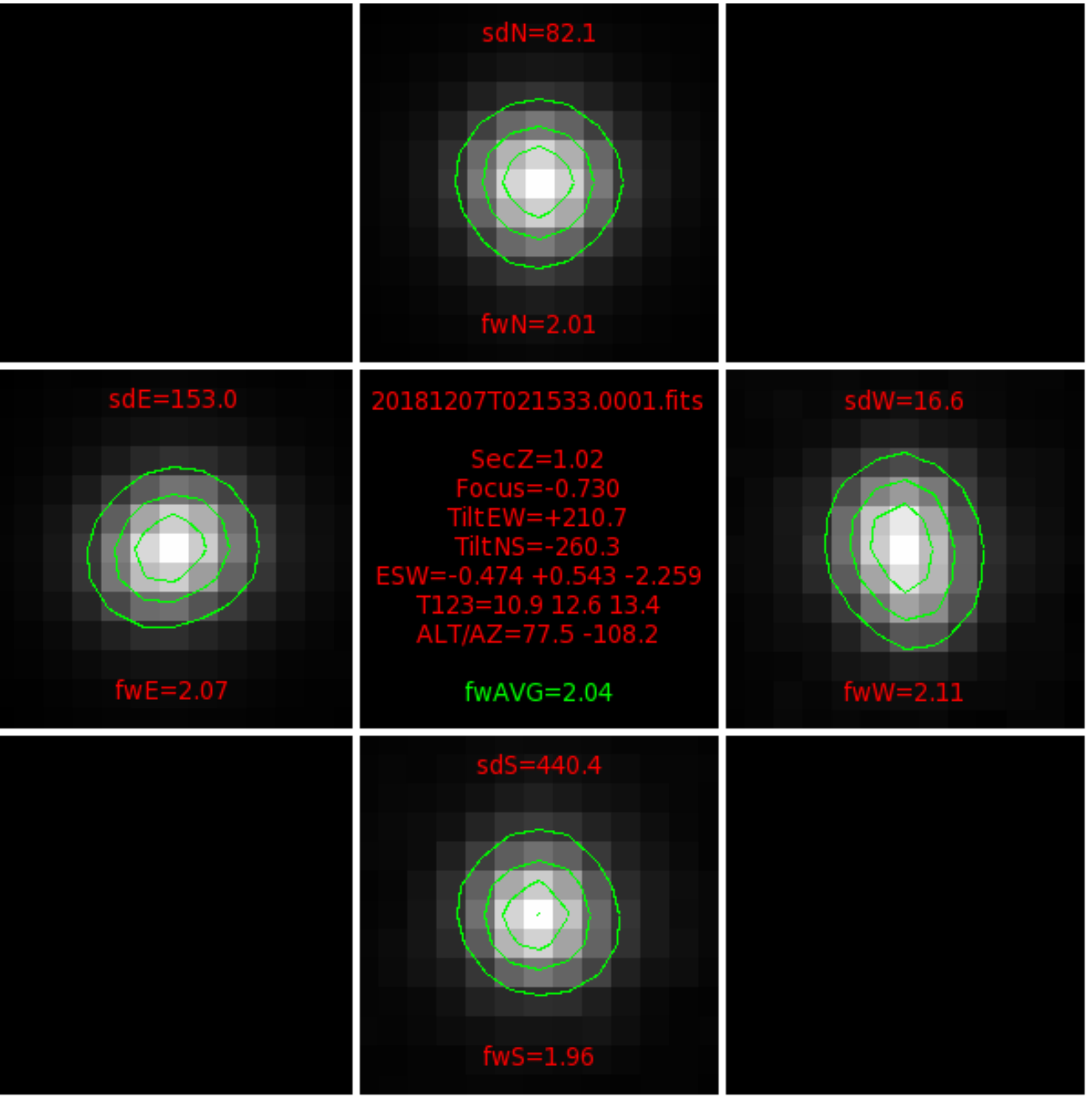
sdN=82.1
fwN=2.01
sdE=153.0
fwE=2.07
20181207T021533.0001.fits
SecZ=1.02
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.9 12.6 13.4
ALT/AZ=77.5 -108.2
fwAVG=2.04
sdW=16.6
fwW=2.11
sdS=440.4
fwS=1.96
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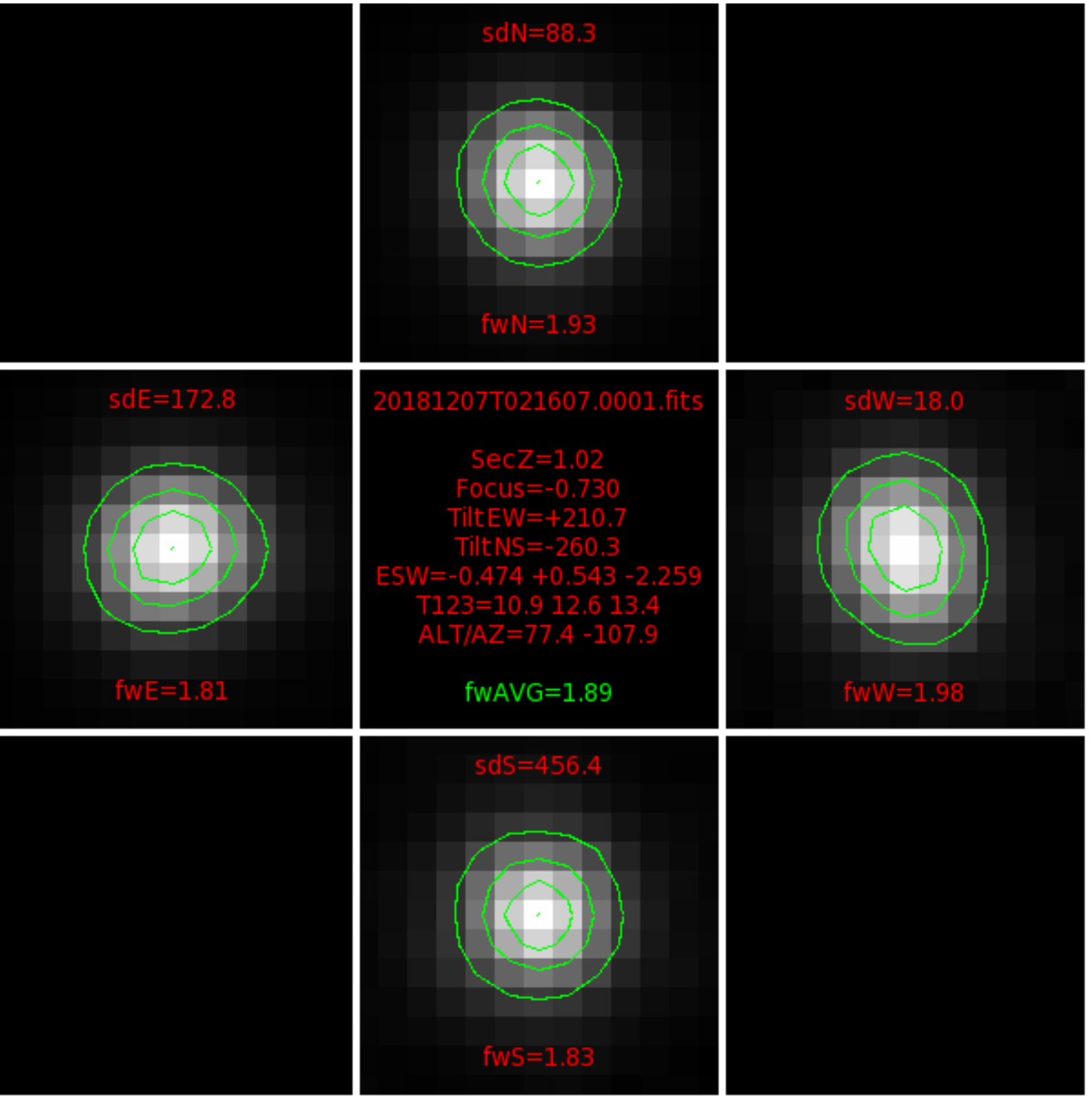
sdN=88.3
fwN=1.93
sdE=172.8
fwE=1.81
20181207T021607.0001.fits
SecZ=1.02
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.9 12.6 13.4
ALT/AZ=77.4 -107.9
fwAVG=1.89
sdW=18.0
fwW=1.98
sdS=456.4
fwS=1.83
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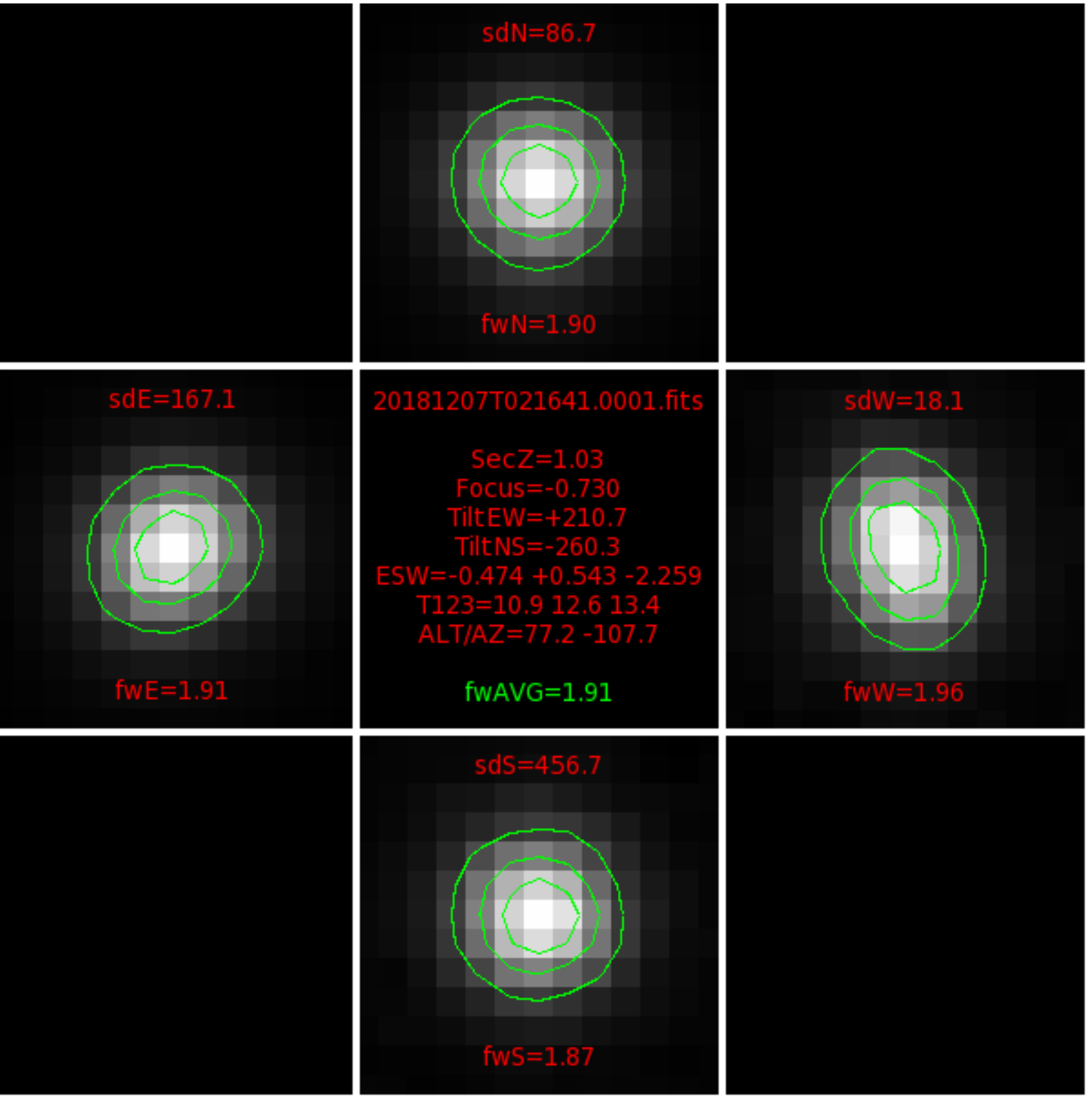
sdN=86.7
fwN=1.90
sdE=167.1
fwE=1.91
20181207T021641.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.9 12.6 13.4
ALT/AZ=77.2 -107.7
fwAVG=1.91
sdW=18.1
fwW=1.96
sdS=456.7
fwS=1.87
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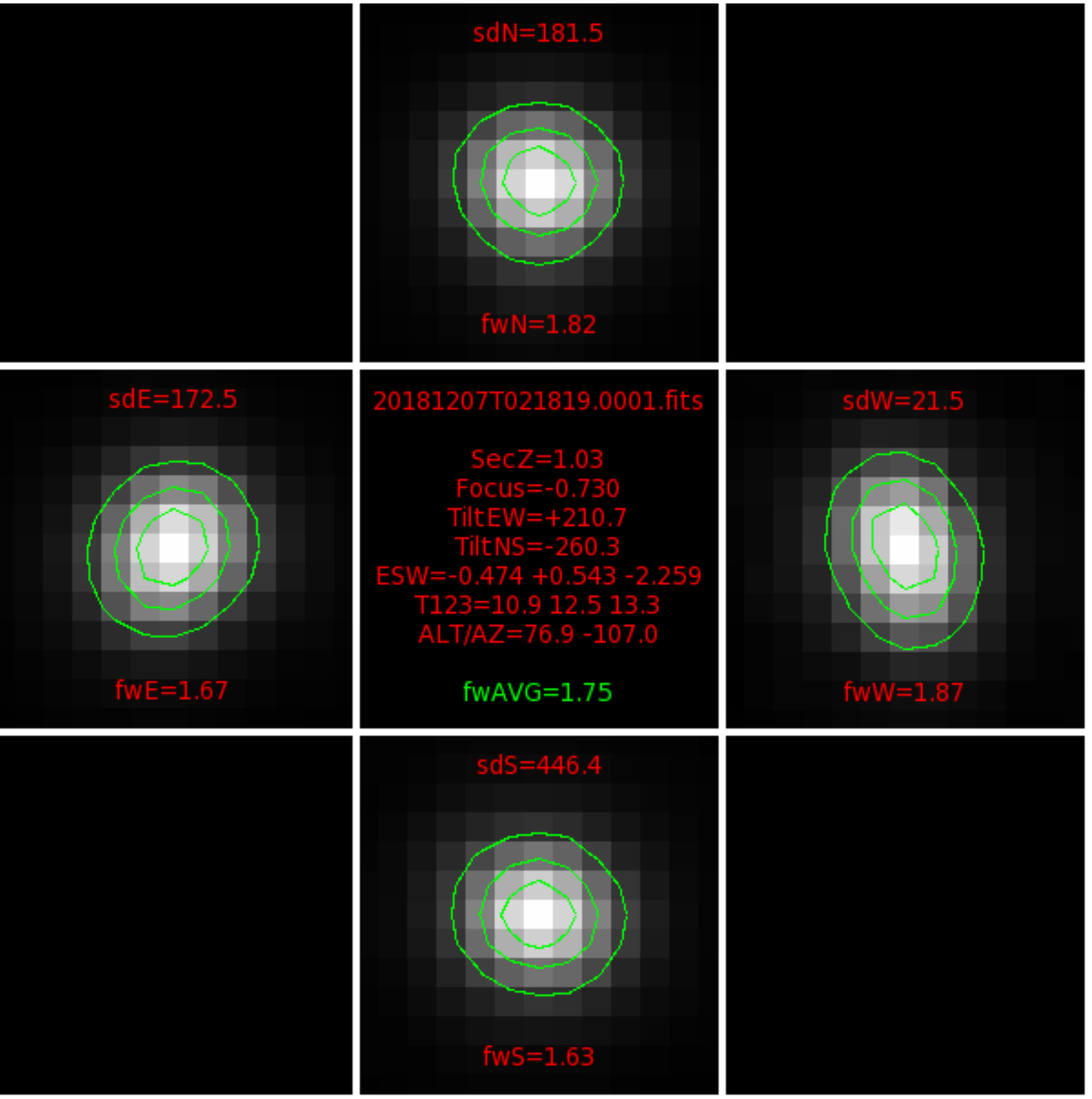
sdN=181.5
fwN=1.82
sdE=172.5
fwE=1.67
20181207T021819.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.9 12.5 13.3
ALT/AZ=76.9 -107.0
fwAVG=1.75
sdW=21.5
fwW=1.87
sdS=446.4
fwS=1.63
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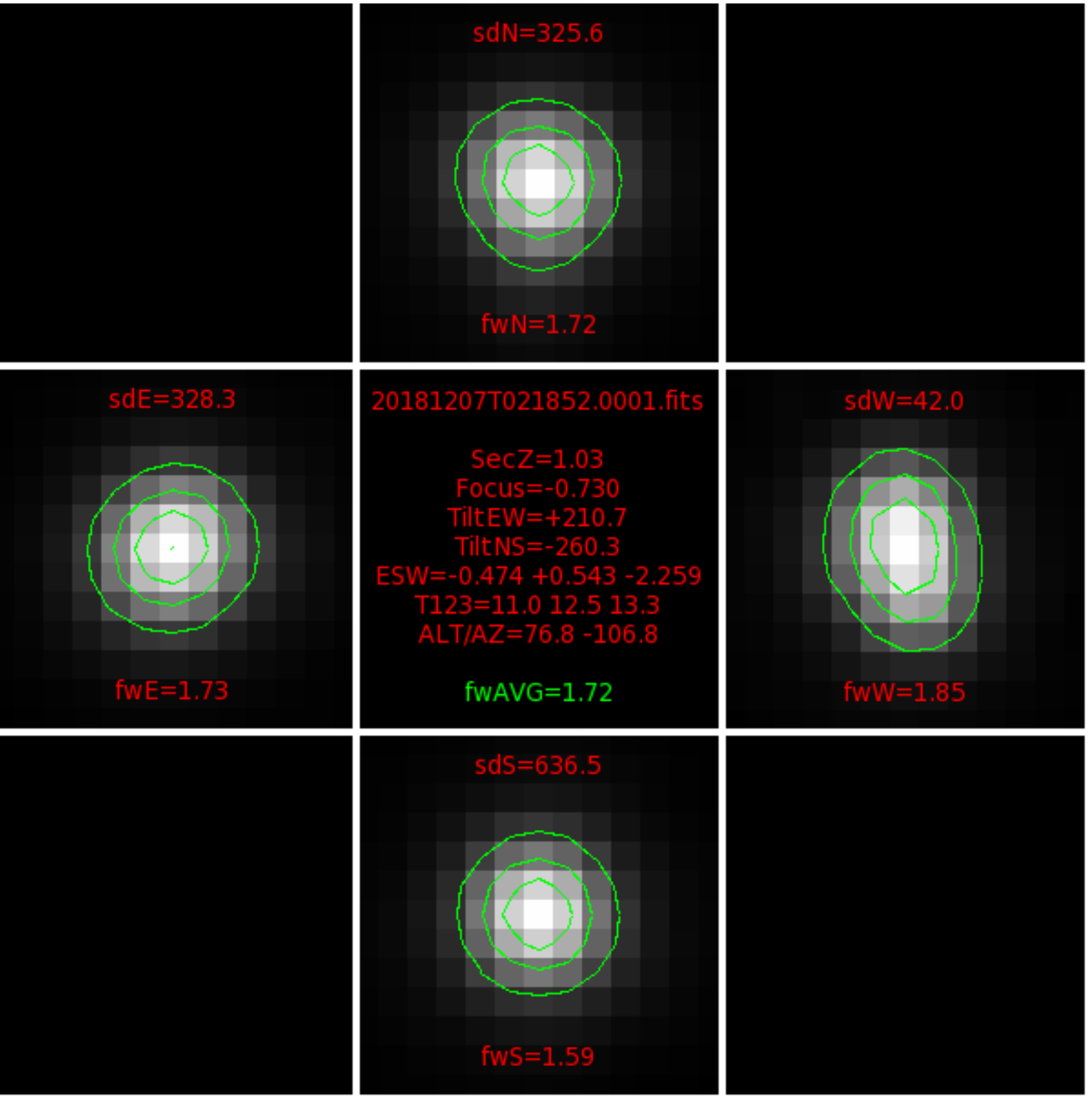
sdN=325.6
fwN=1.72
sdE=328.3
fwE=1.73
20181207T021852.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.0 12.5 13.3
ALT/AZ=76.8 -106.8
fwAVG=1.72
sdW=42.0
fwW=1.85
sdS=636.5
fwS=1.59
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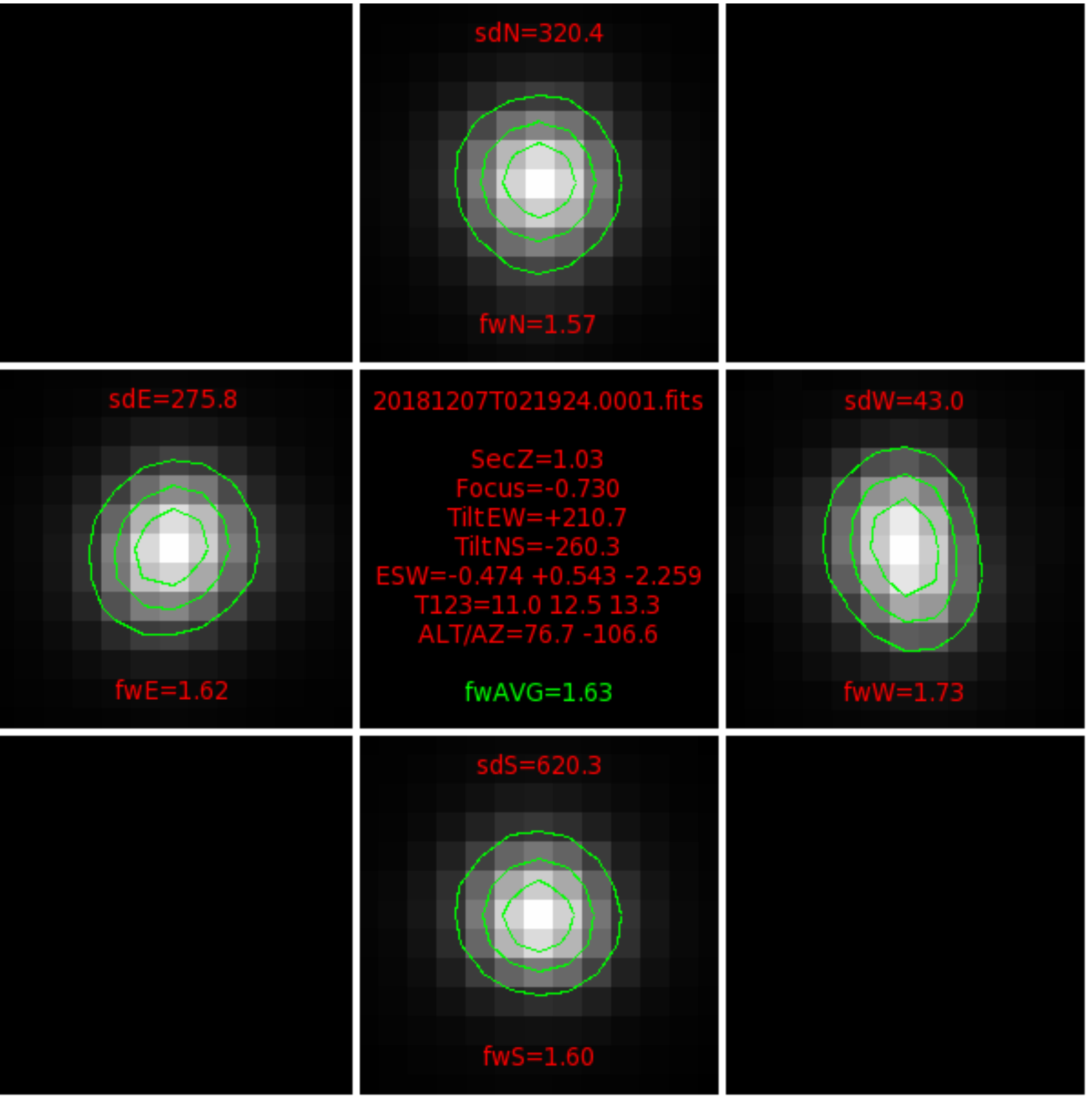
sdN=320.4
fwN=1.57
sdE=275.8
fwE=1.62
20181207T021924.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.0 12.5 13.3
ALT/AZ=76.7 -106.6
fwAVG=1.63
sdW=43.0
fwW=1.73
sdS=620.3
fwS=1.60
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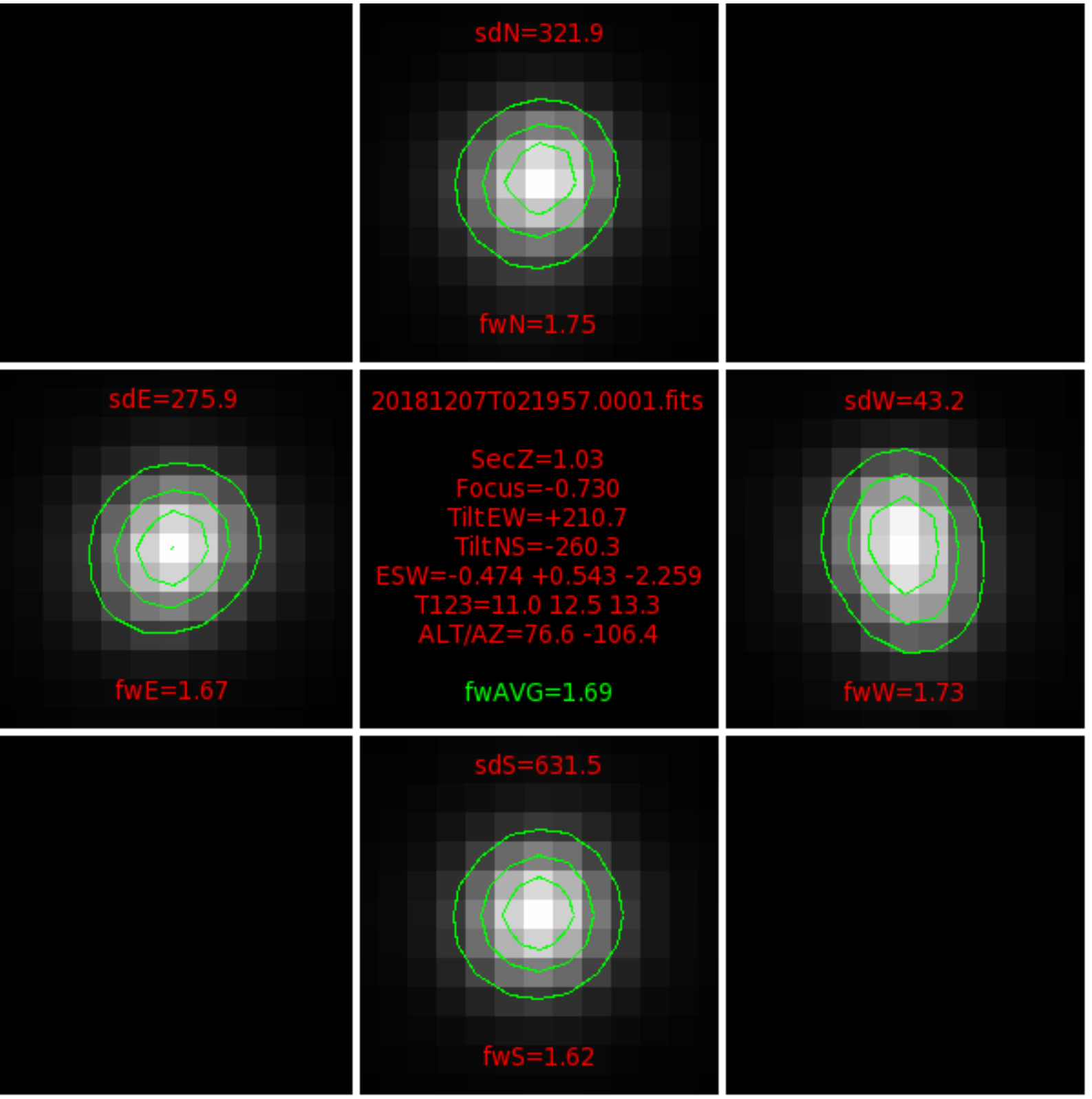
sdN=321.9
fwN=1.75
sdE=275.9
fwE=1.67
20181207T021957.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.0 12.5 13.3
ALT/AZ=76.6 -106.4
fwAVG=1.69
sdW=43.2
fwW=1.73
sdS=631.5
fwS=1.62
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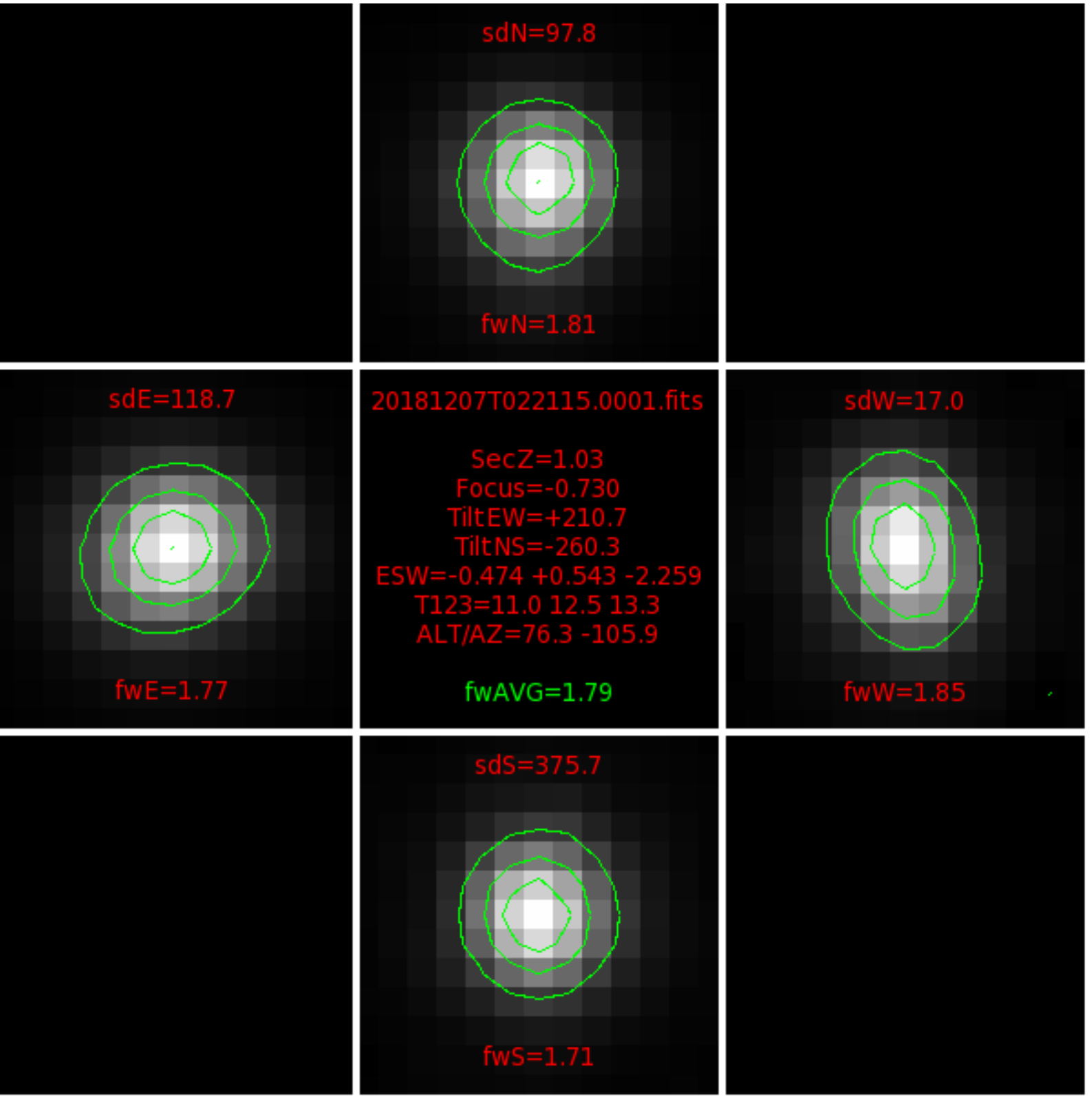
sdN=97.8
fwN=1.81
sdE=118.7
fwE=1.77
20181207T022115.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.0 12.5 13.3
ALT/AZ=76.3 -105.9
fwAVG=1.79
sdW=17.0
fwW=1.85
sdS=375.7
fwS=1.71
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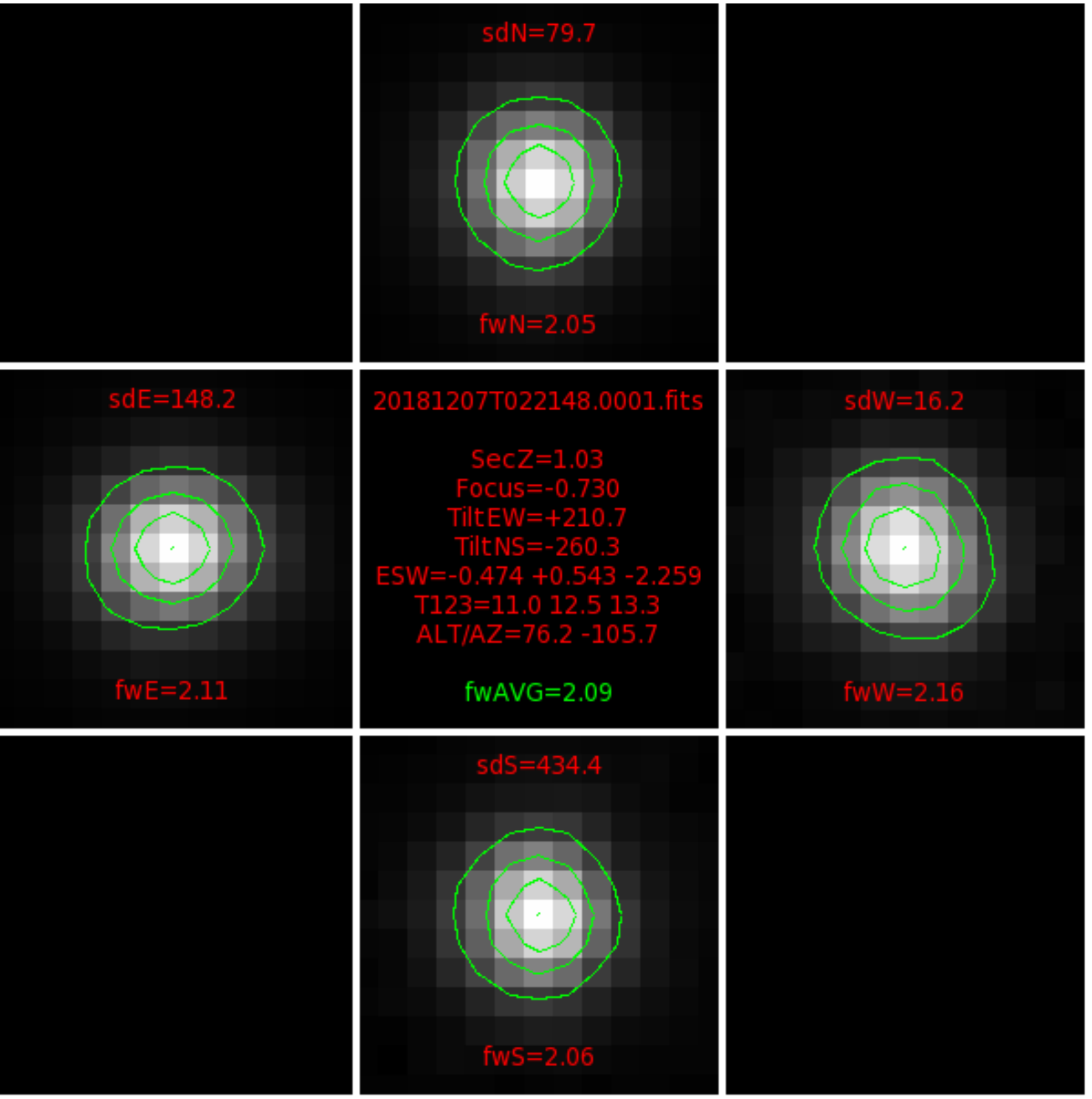
sdN=79.7
fwN=2.05
sdE=148.2
fwE=2.11
20181207T022148.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.0 12.5 13.3
ALT/AZ=76.2 -105.7
fwAVG=2.09
sdW=16.2
fwW=2.16
sdS=434.4
fwS=2.06
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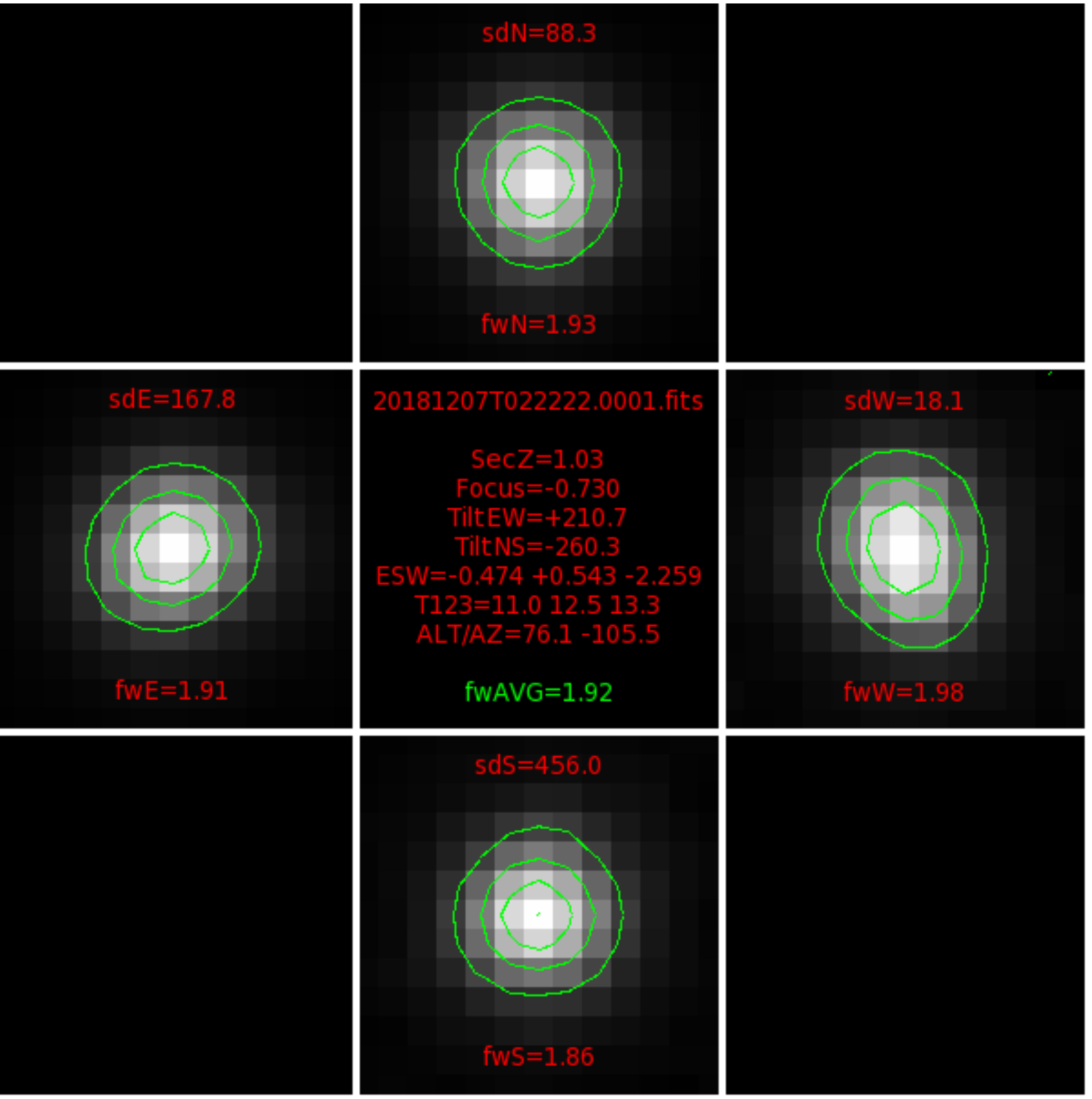
sdN=88.3
fwN=1.93
sdE=167.8
fwE=1.91
20181207T022222.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.0 12.5 13.3
ALT/AZ=76.1 -105.5
fwAVG=1.92
sdW=18.1
fwW=1.98
sdS=456.0
fwS=1.86
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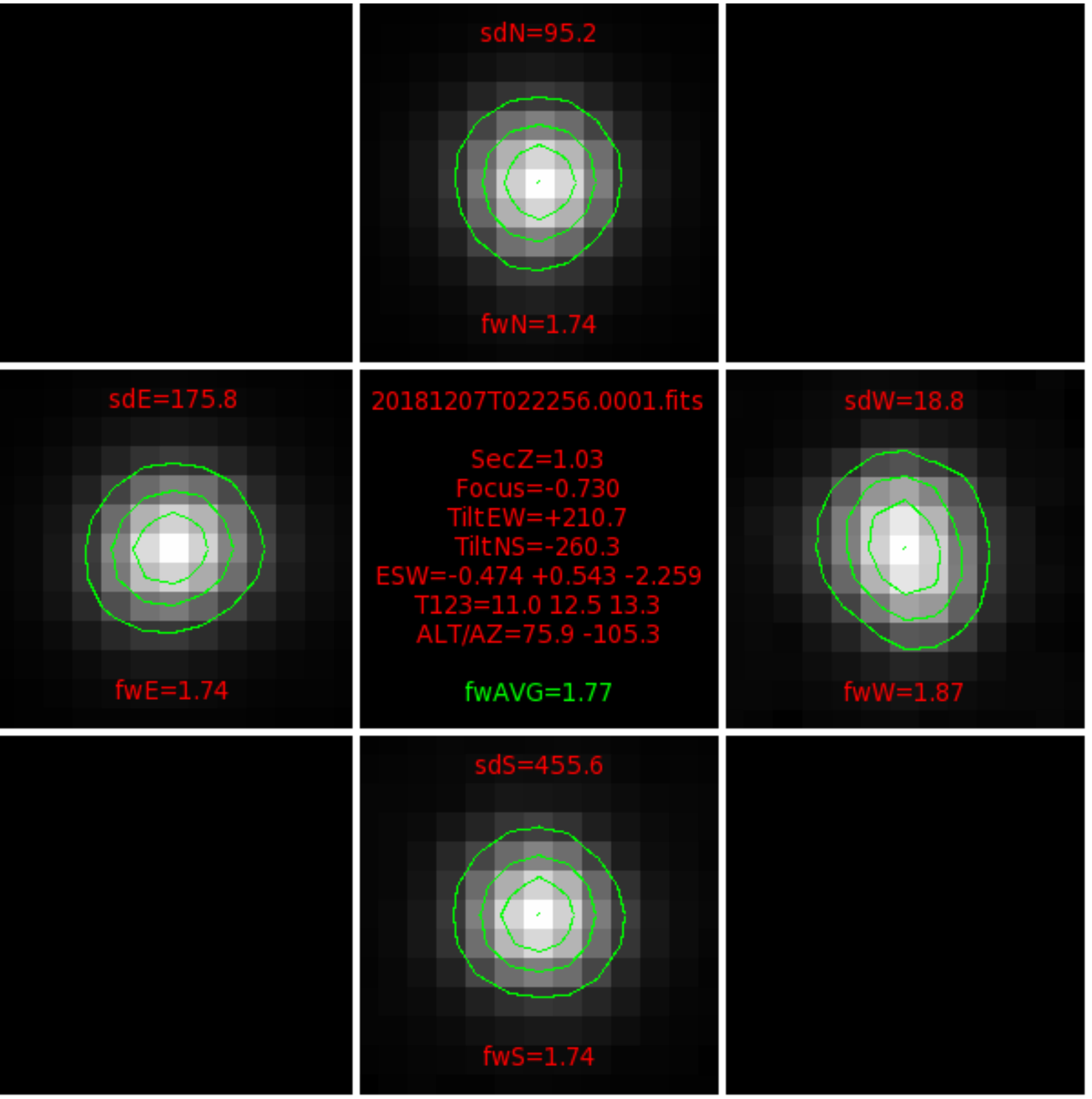
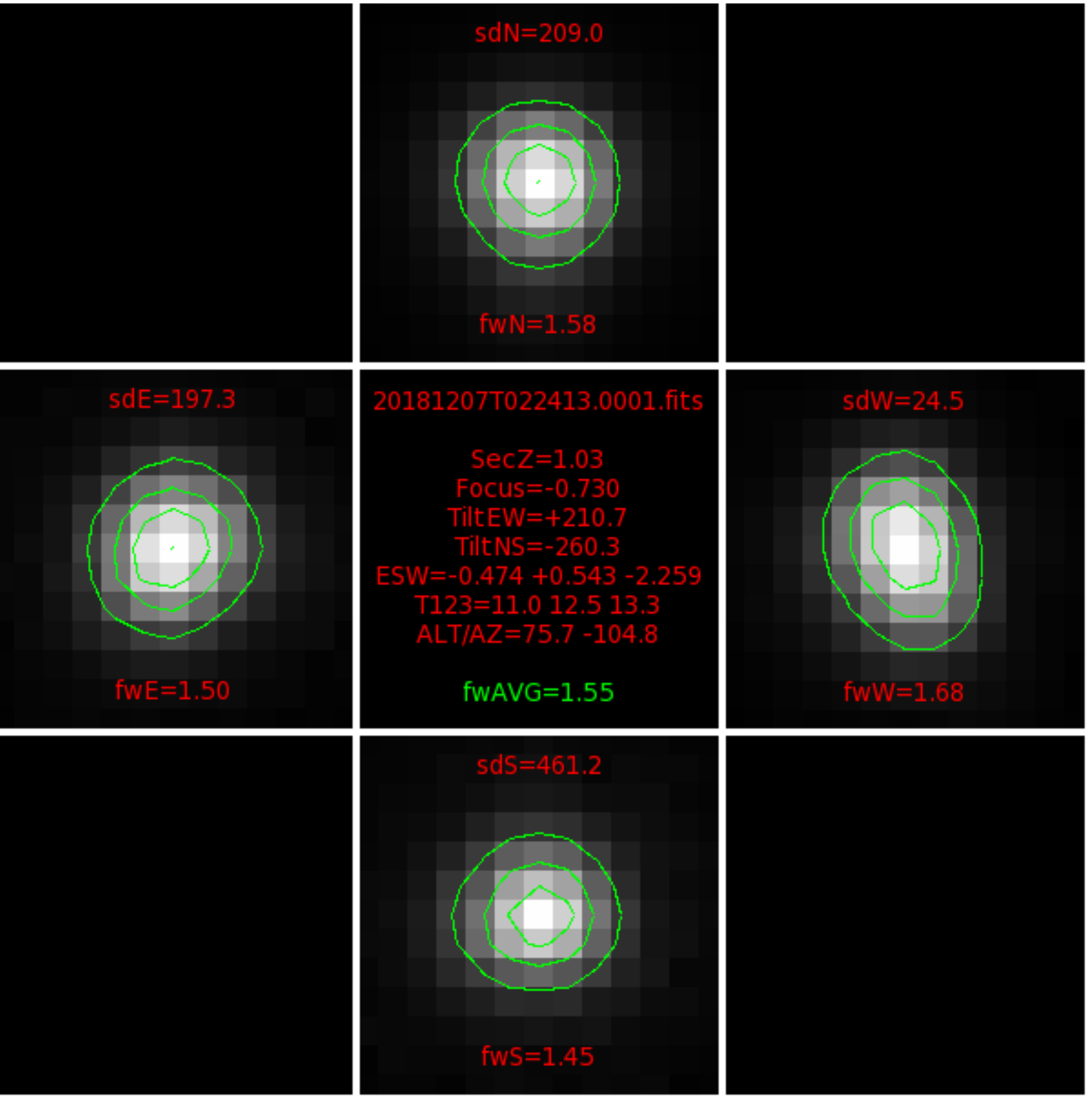

sdN=95.2
fwN=1.74
sdE=175.8
fwE=1.74
20181207T022256.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.0 12.5 13.3
ALT/AZ=75.9 -105.3
fwAVG=1.77
sdW=18.8
fwW=1.87
sdS=455.6
fwS=1.74
0 0 0 0 0 0 0 0 0


sdN=209.0
fwN=1.58
sdE=197.3
fwE=1.50
20181207T022413.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.0 12.5 13.3
ALT/AZ=75.7 -104.8
fwAVG=1.55
sdW=24.5
fwW=1.68
sdS=461.2
fwS=1.45
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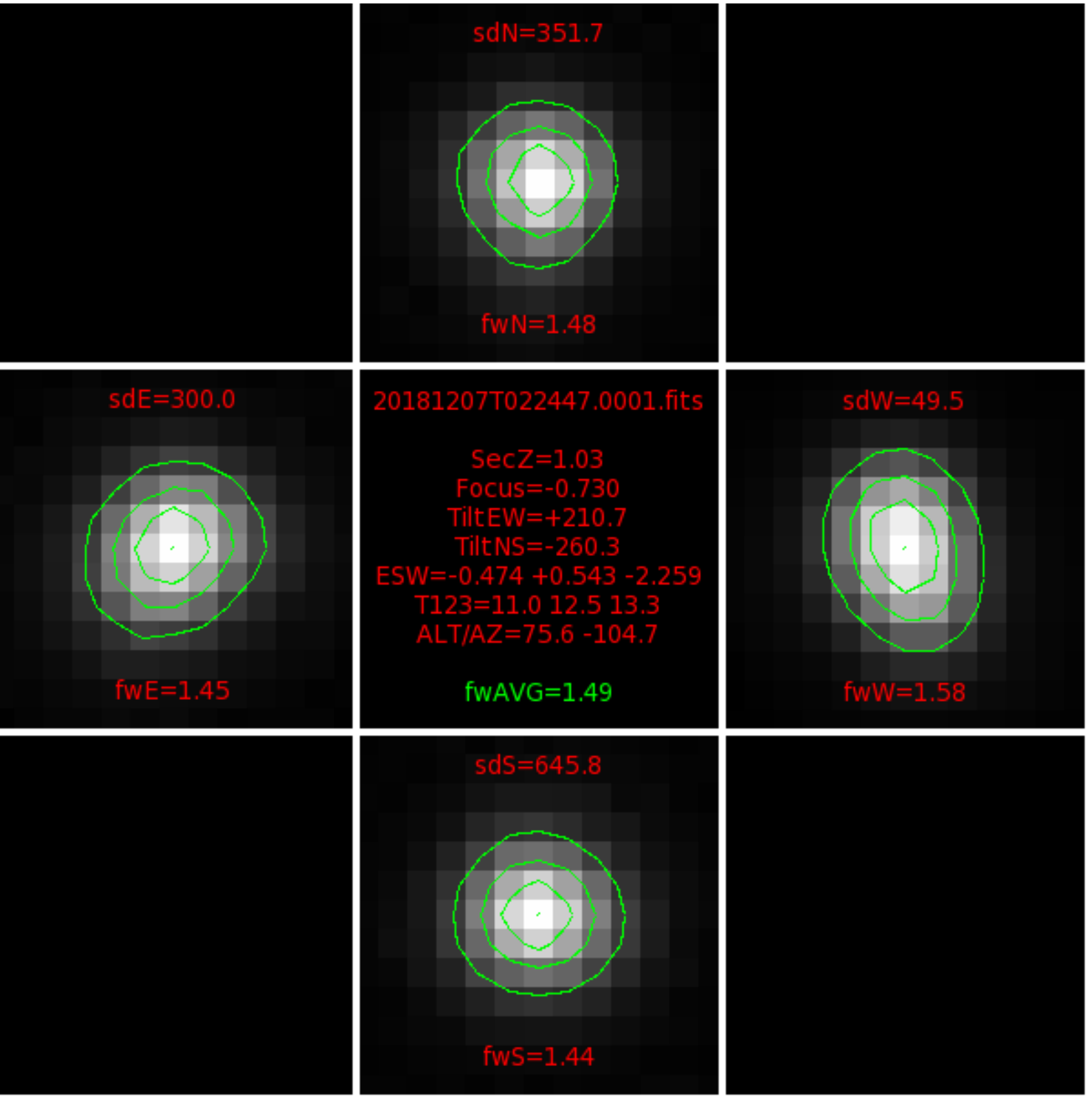
sdN=351.7
fwN=1.48
sdE=300.0
fwE=1.45
20181207T022447.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.0 12.5 13.3
ALT/AZ=75.6 -104.7
fwAVG=1.49
sdW=49.5
fwW=1.58
sdS=645.8
fwS=1.44
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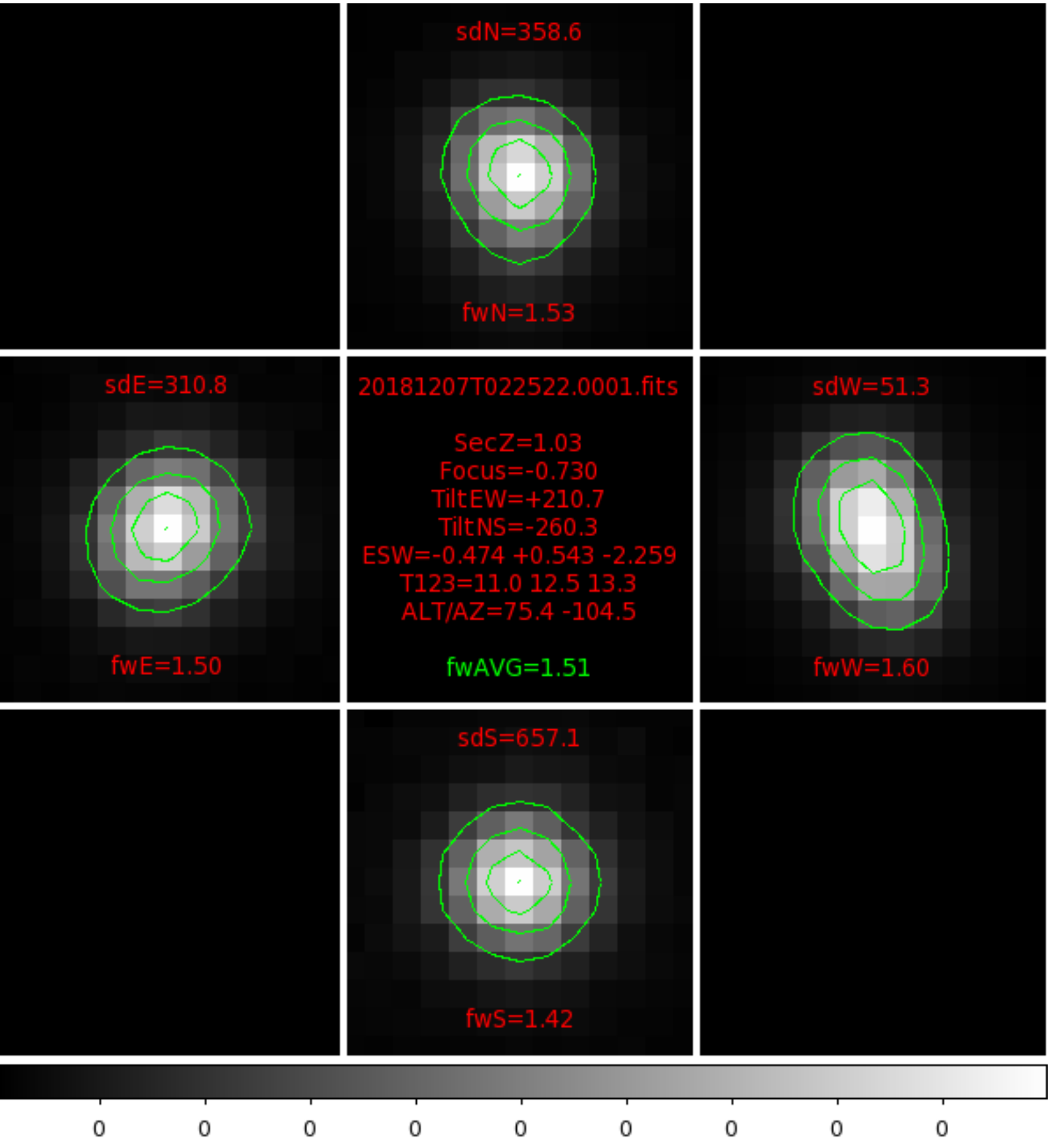
sdN=358.6
fwN=1.53
sdE=310.8
fwE=1.50
20181207T022522.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.0 12.5 13.3
ALT/AZ=75.4 -104.5
fwAVG=1.51
sdW=51.3
fwW=1.60
sdS=657.1
fwS=1.42
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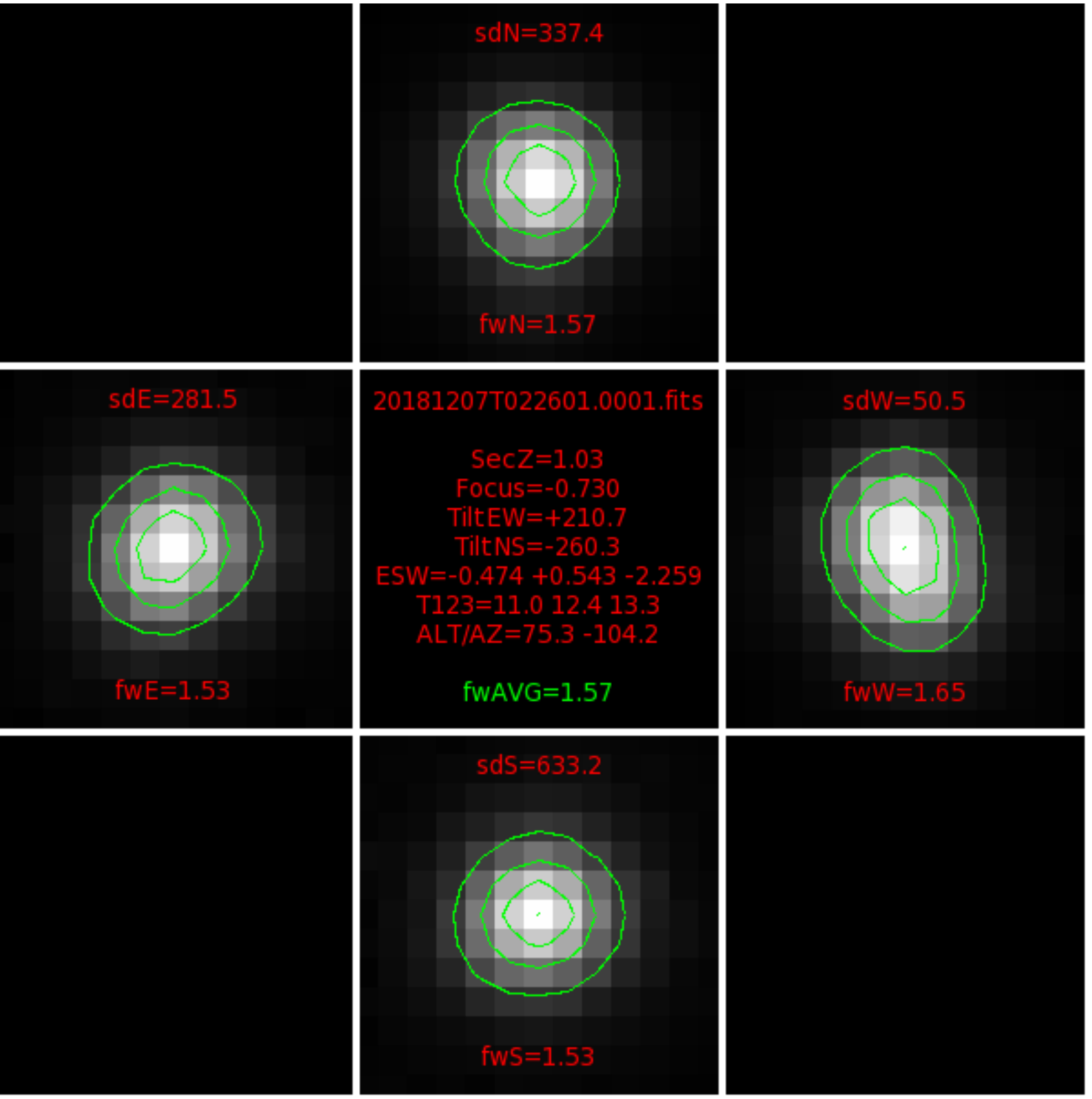
sdN=337.4
fwN=1.57
sdE=281.5
fwE=1.53
20181207T022601.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.0 12.4 13.3
ALT/AZ=75.3 -104.2
fwAVG=1.57
sdW=50.5
fwW=1.65
sdS=633.2
fwS=1.53
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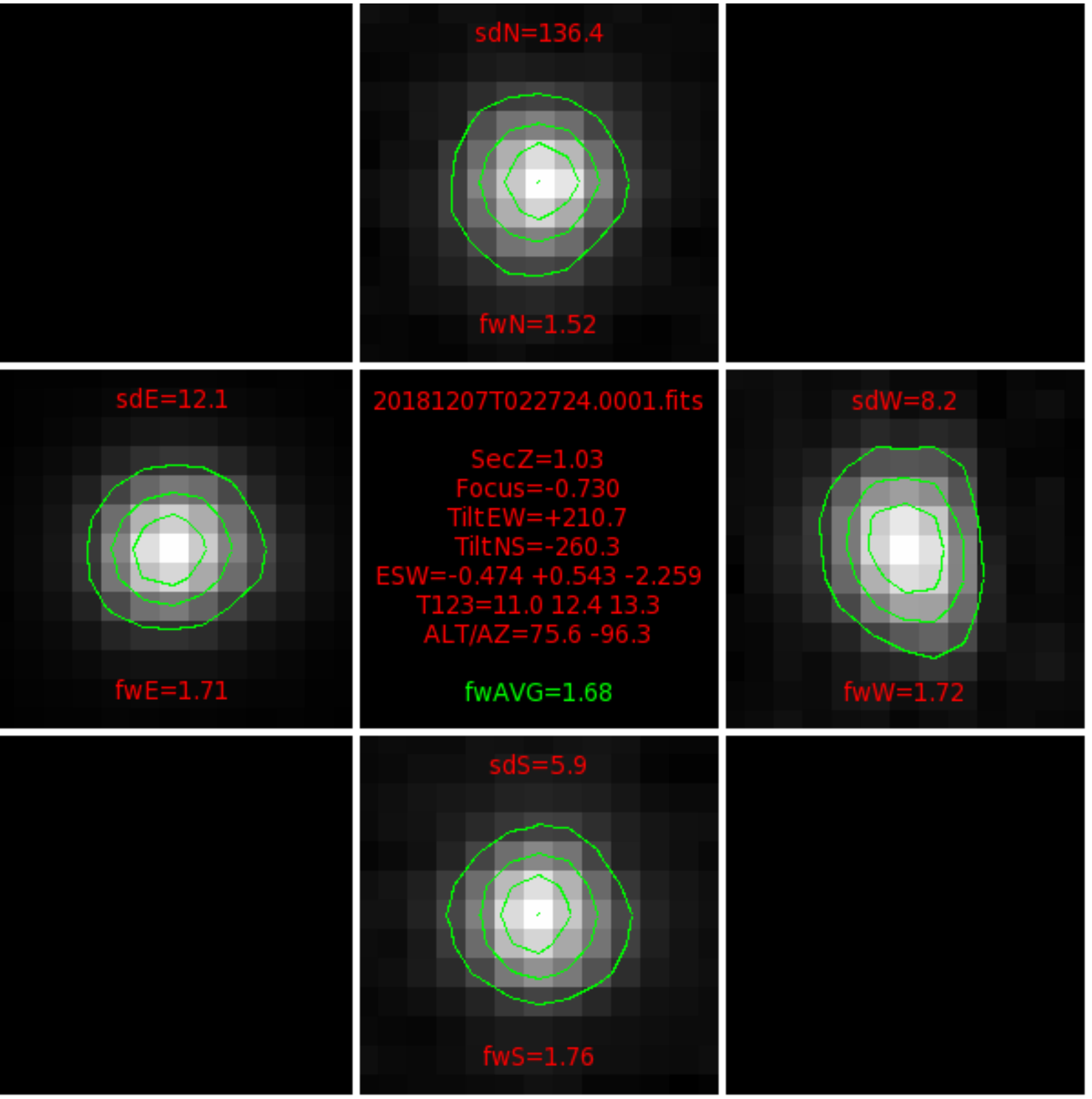
sdN=136.4
fwN=1.52
sdE=12.1
fwE=1.71
20181207T022724.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=11.0 12.4 13.3
ALT/AZ=75.6 -96.3
fwAVG=1.68
sdW=8.2
fwW=1.72
sdS=5.9
fwS=1.76
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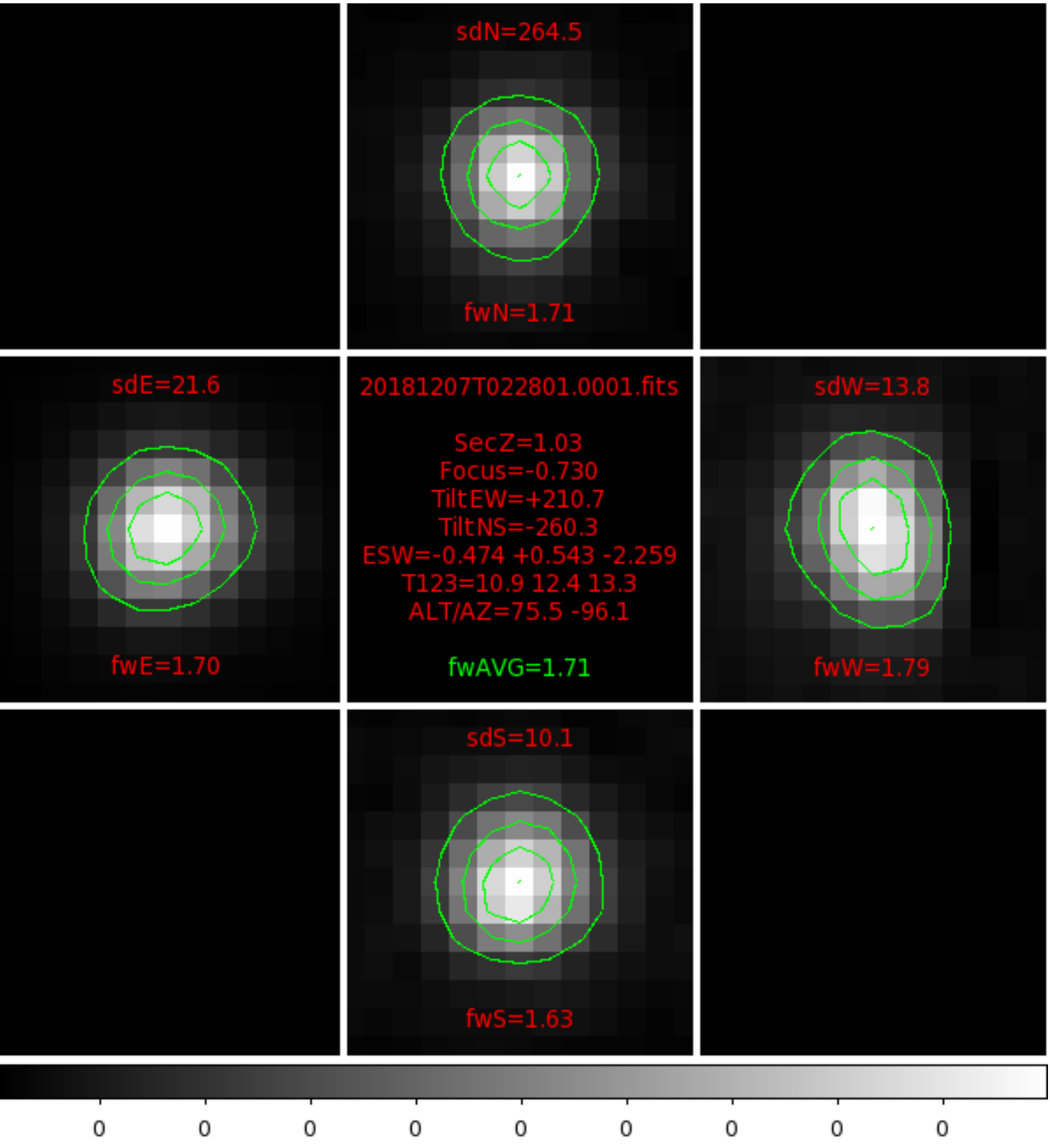
sdN=264.5
fwN=1.71
sdE=21.6
fwE=1.70
20181207T022801.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.9 12.4 13.3
ALT/AZ=75.5 -96.1
fwAVG=1.71
sdW=13.8
fwW=1.79
sdS=10.1
fwS=1.63
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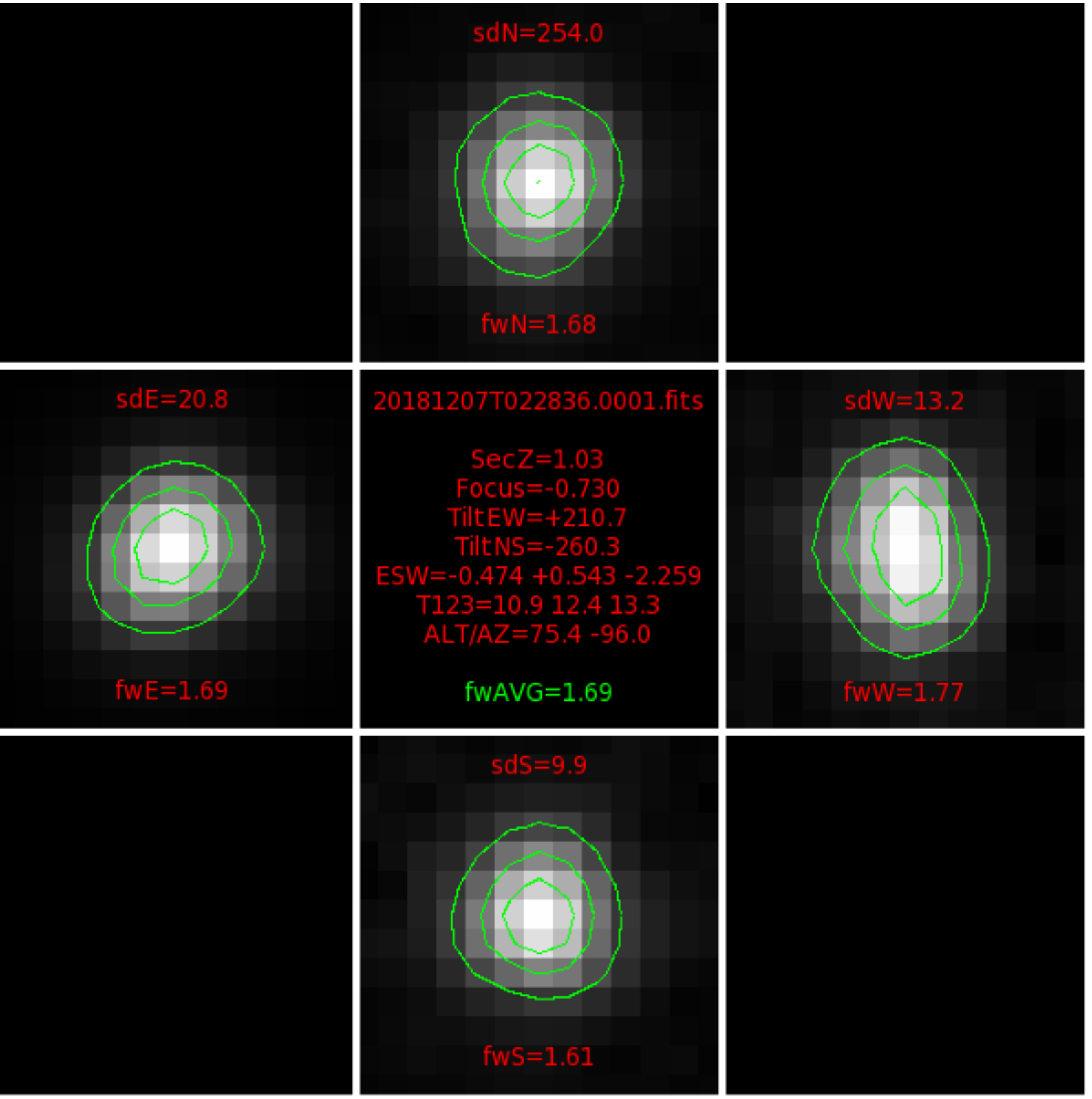
sdN=254.0
fwN=1.68
sdE=20.8
fwE=1.69
20181207T022836.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.9 12.4 13.3
ALT/AZ=75.4 -96.0
fwAVG=1.69
sdW=13.2
fwW=1.77
sdS=9.9
fwS=1.61
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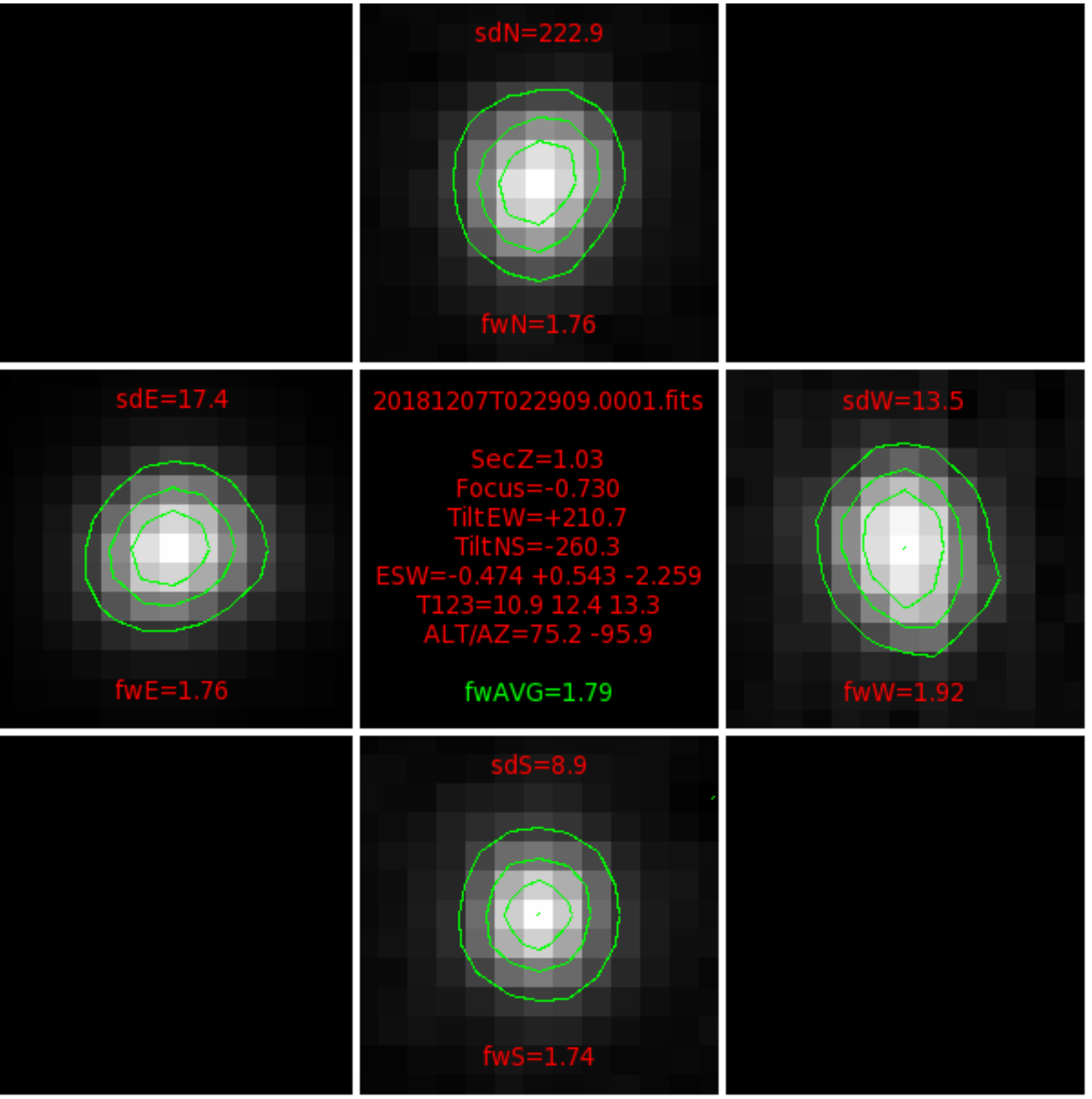
sdN=222.9
fwN=1.76
sdE=17.4
fwE=1.76
20181207T022909.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.9 12.4 13.3
ALT/AZ=75.2 -95.9
fwAVG=1.79
sdW=13.5
fwW=1.92
sdS=8.9
fwS=1.74
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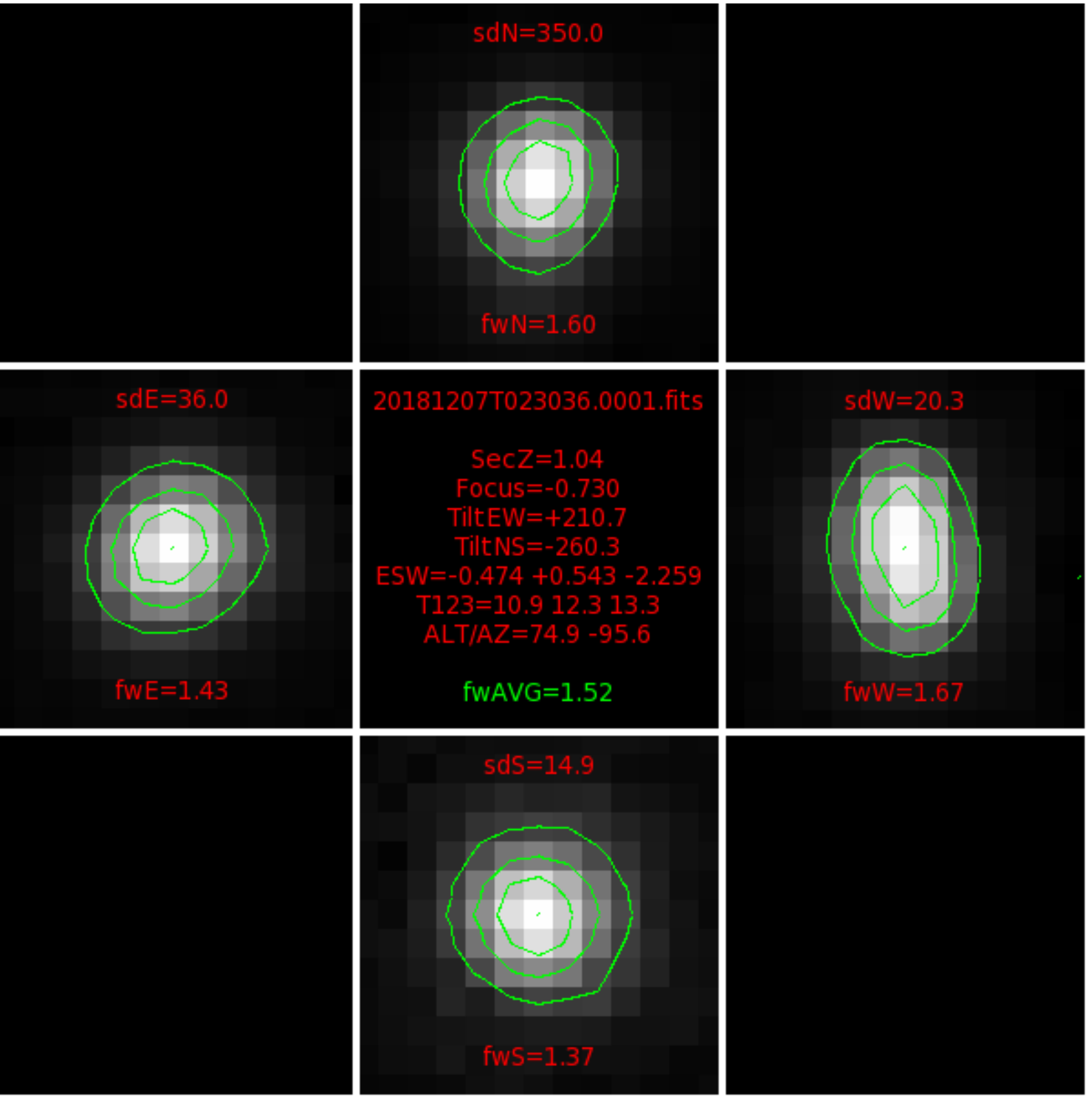
sdN=350.0
fwN=1.60
sdE=36.0
fwE=1.43
20181207T023036.0001.fits
SecZ=1.04
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.9 12.3 13.3
ALT/AZ=74.9 -95.6
fwAVG=1.52
sdW=20.3
fwW=1.67
sdS=14.9
fwS=1.37
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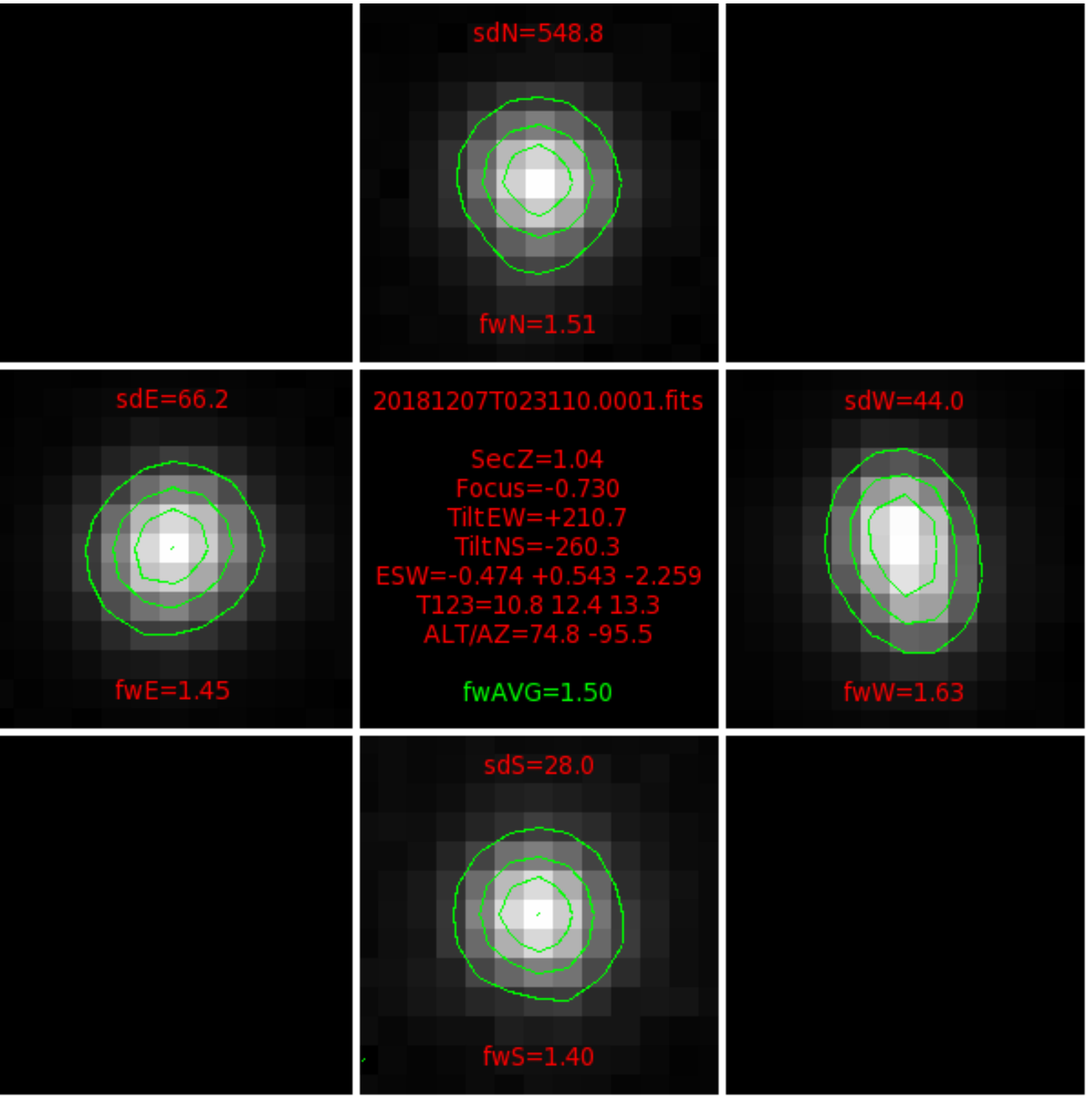
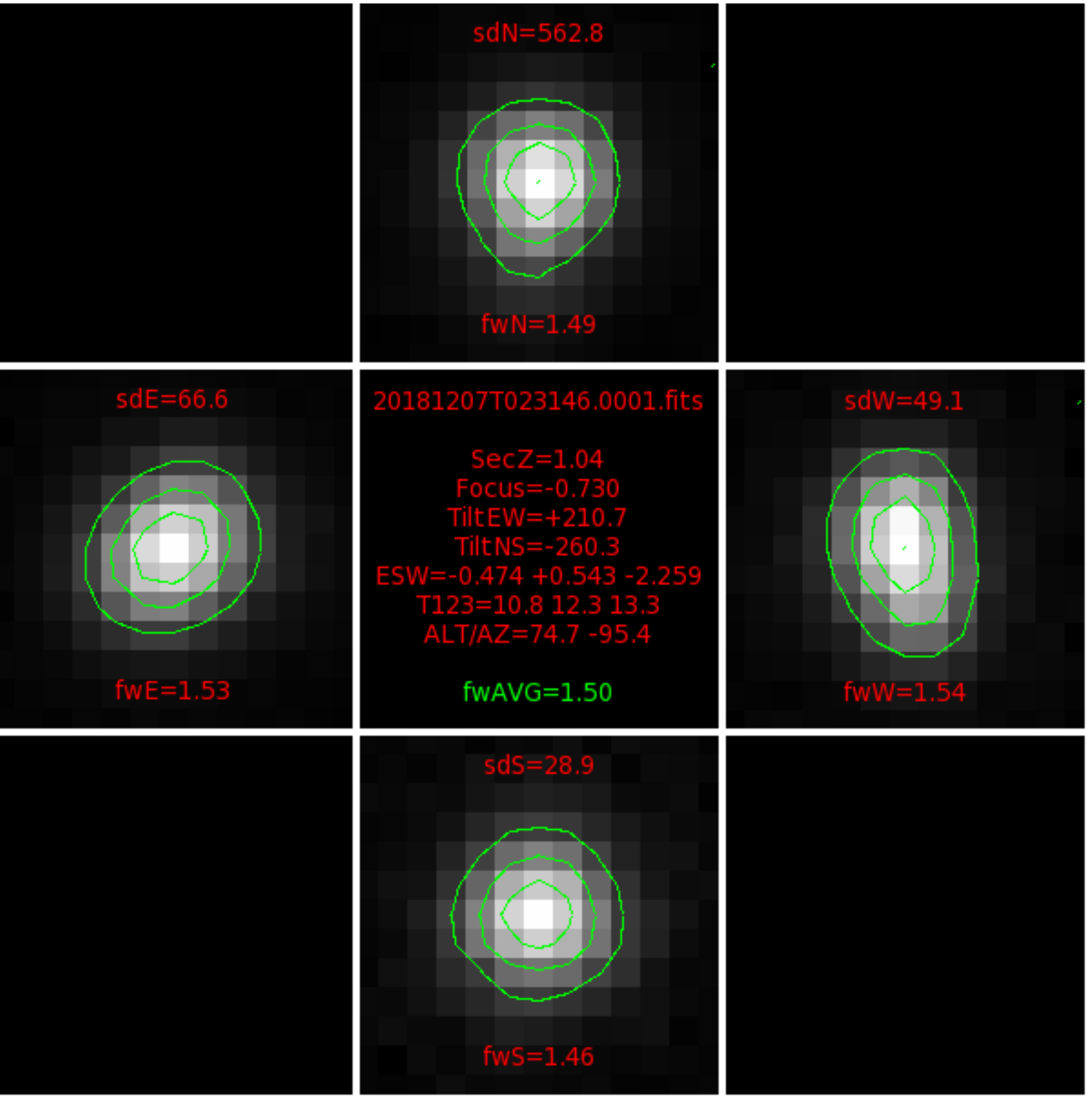

sdN=548.8
fwN=1.51
sdE=66.2
fwE=1.45
20181207T023110.0001.fits
SecZ=1.04
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 12.4 13.3
ALT/AZ=74.8 -95.5
fwAVG=1.50
sdW=44.0
fwW=1.63
sdS=28.0
fwS=1.40
0 0 0 0 0 0 0 0 0


sdN=562.8
fwN=1.49
sdE=66.6
fwE=1.53
20181207T023146.0001.fits
SecZ=1.04
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 12.3 13.3
ALT/AZ=74.7 -95.4
fwAVG=1.50
sdW=49.1
fwW=1.54
sdS=28.9
fwS=1.46
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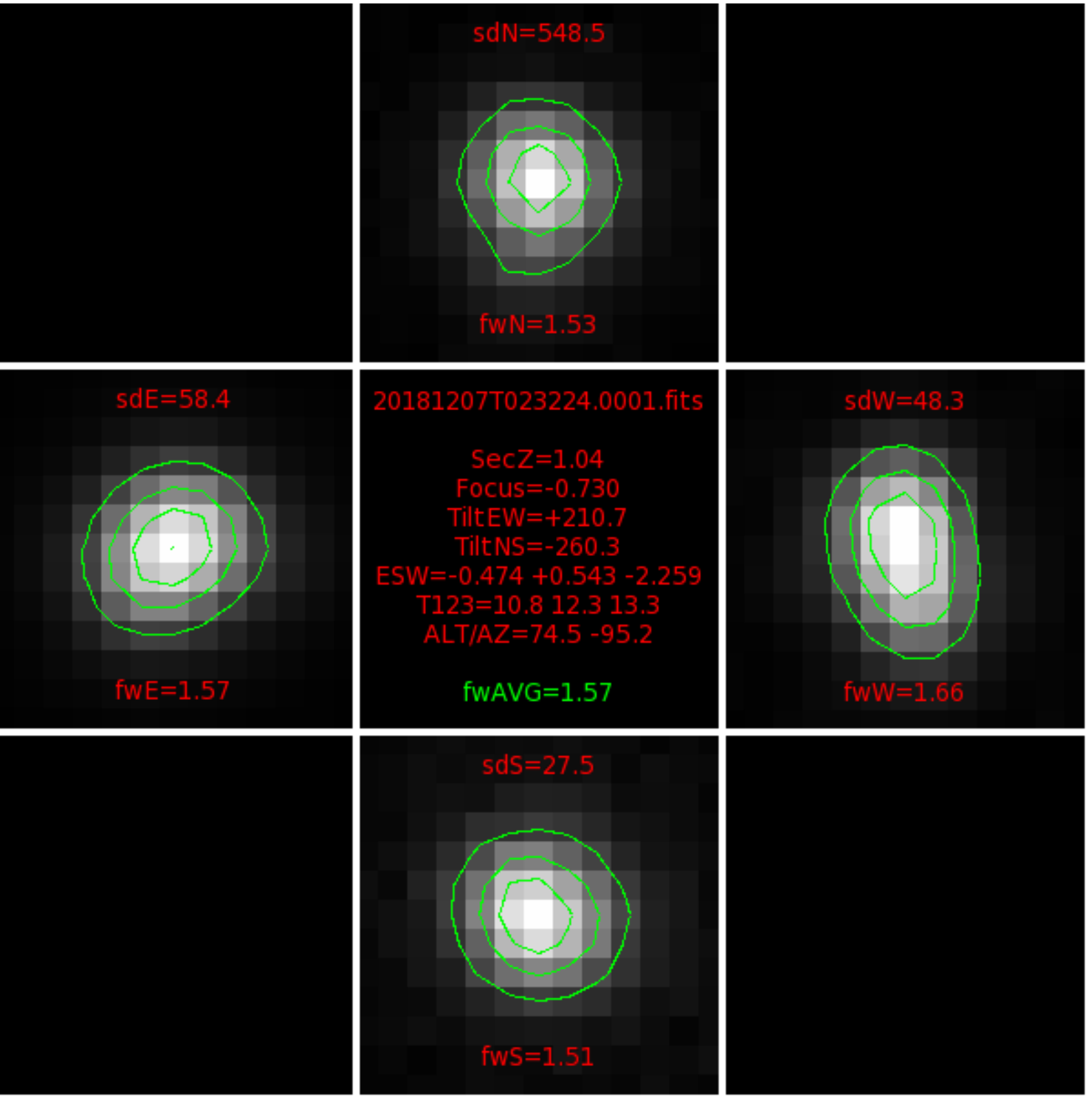
sdN=548.5
fwN=1.53
sdE=58.4
fwE=1.57
20181207T023224.0001.fits
SecZ=1.04
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 12.3 13.3
ALT/AZ=74.5 -95.2
fwAVG=1.57
sdW=48.3
fwW=1.66
sdS=27.5
fwS=1.51
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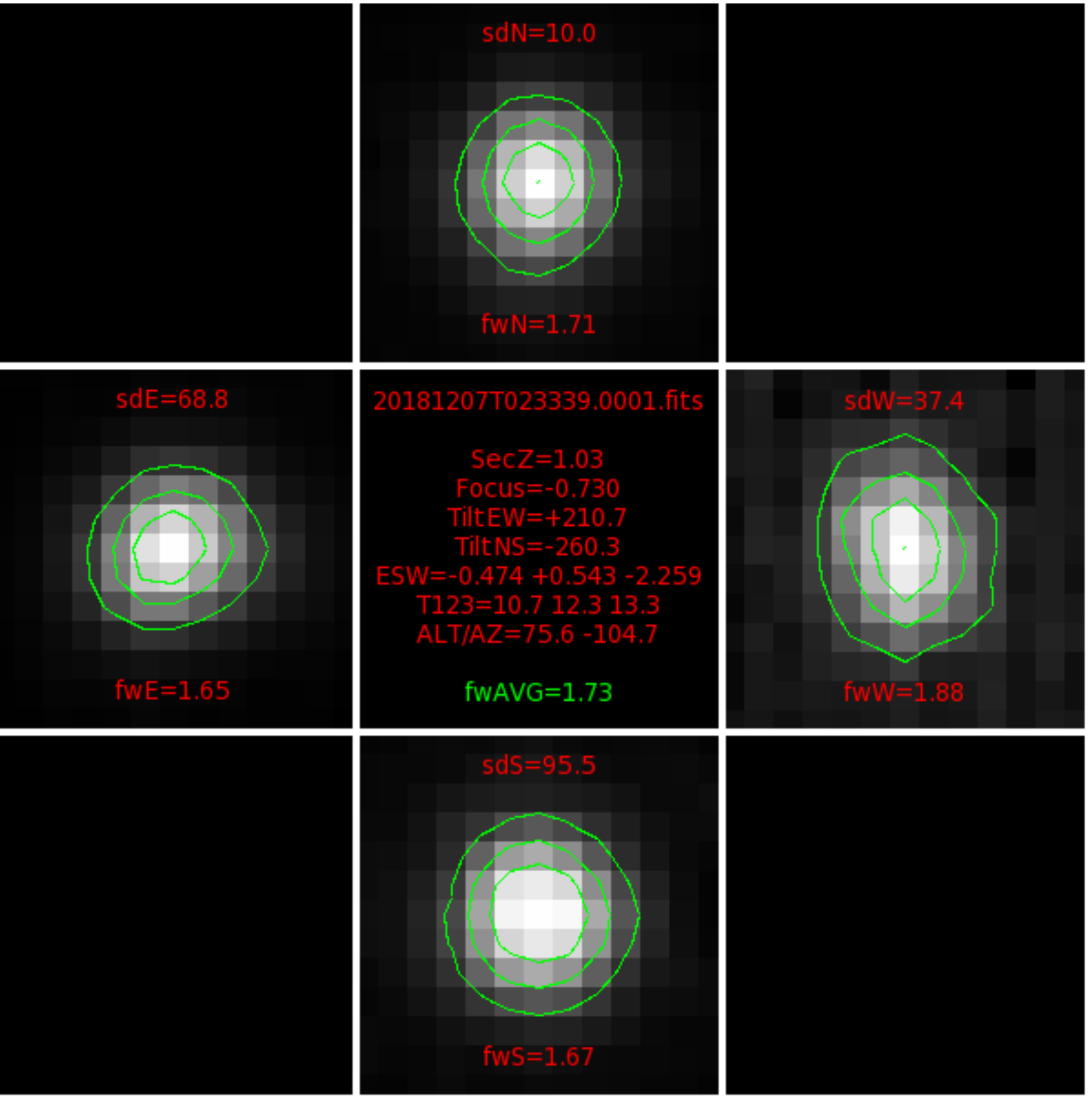
sdN=10.0
fwN=1.71
sdE=68.8
fwE=1.65
20181207T023339.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.7 12.3 13.3
ALT/AZ=75.6 -104.7
fwAVG=1.73
sdW=37.4
fwW=1.88
sdS=95.5
fwS=1.67
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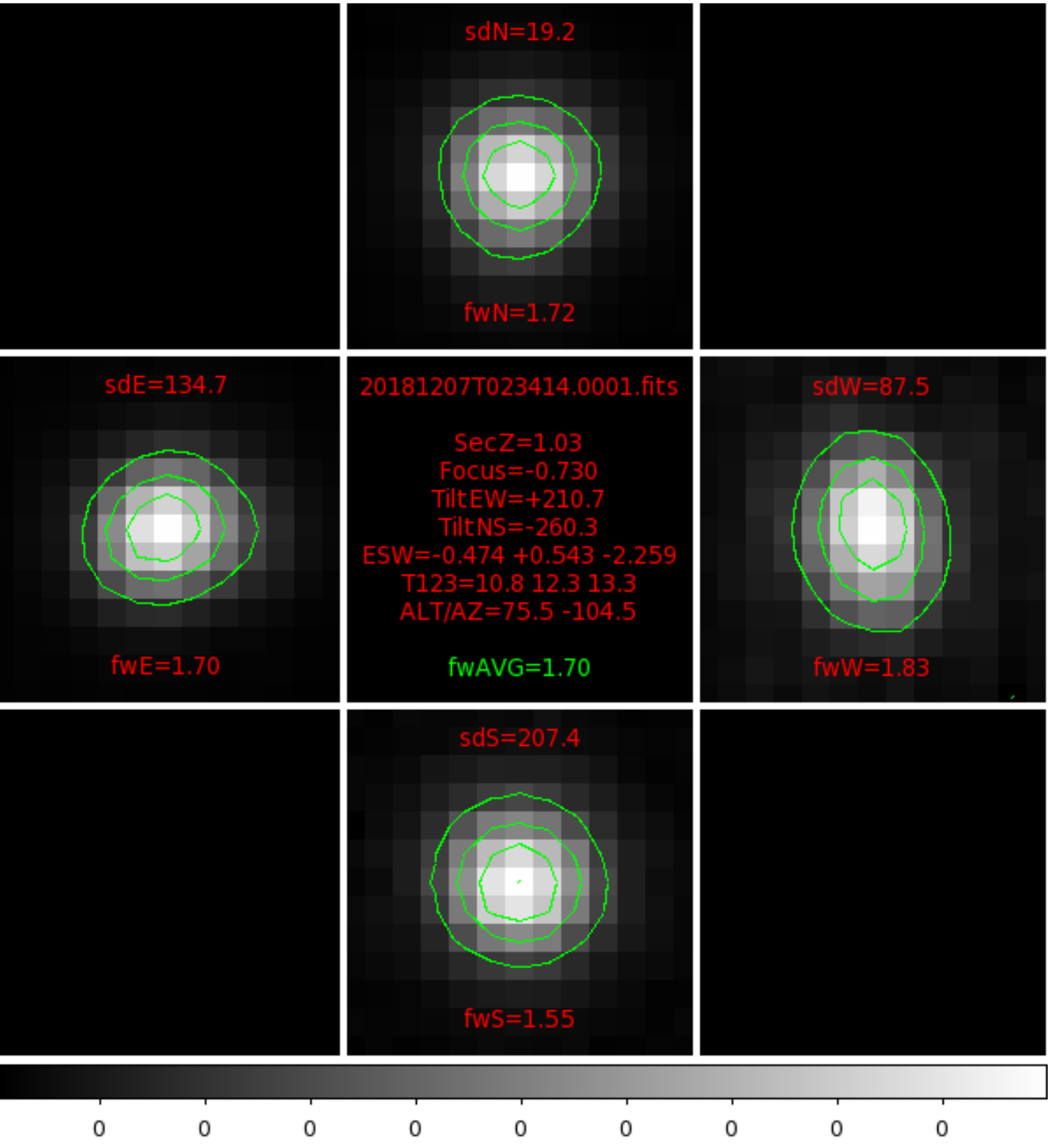
sdN=19.2
fwN=1.72
sdE=134.7
fwE=1.70
20181207T023414.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 12.3 13.3
ALT/AZ=75.5 -104.5
fwAVG=1.70
sdW=87.5
fwW=1.83
sdS=207.4
fwS=1.55
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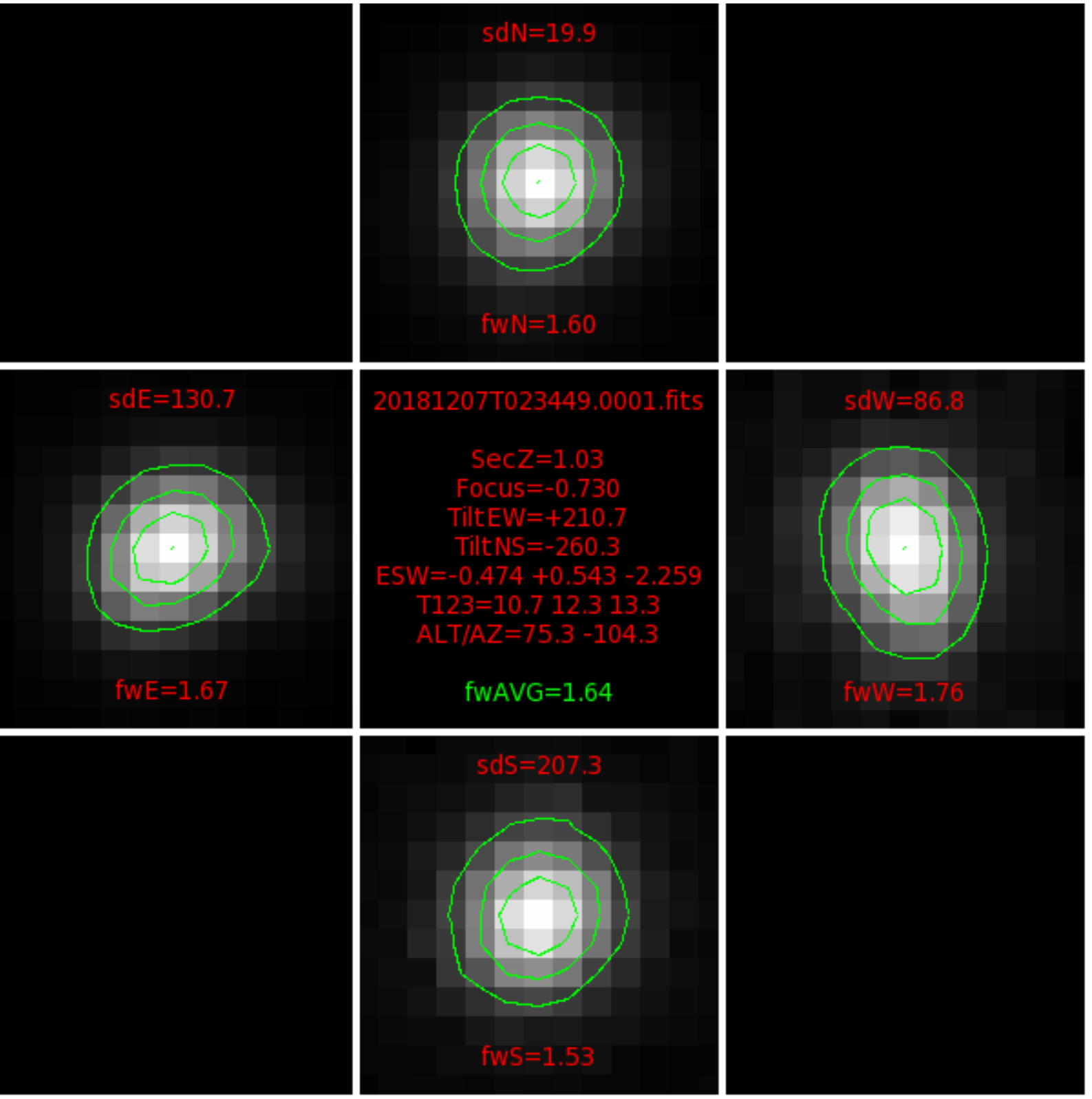
sdN=19.9
fwN=1.60
sdE=130.7
fwE=1.67
20181207T023449.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.7 12.3 13.3
ALT/AZ=75.3 -104.3
fwAVG=1.64
sdW=86.8
fwW=1.76
sdS=207.3
fwS=1.53
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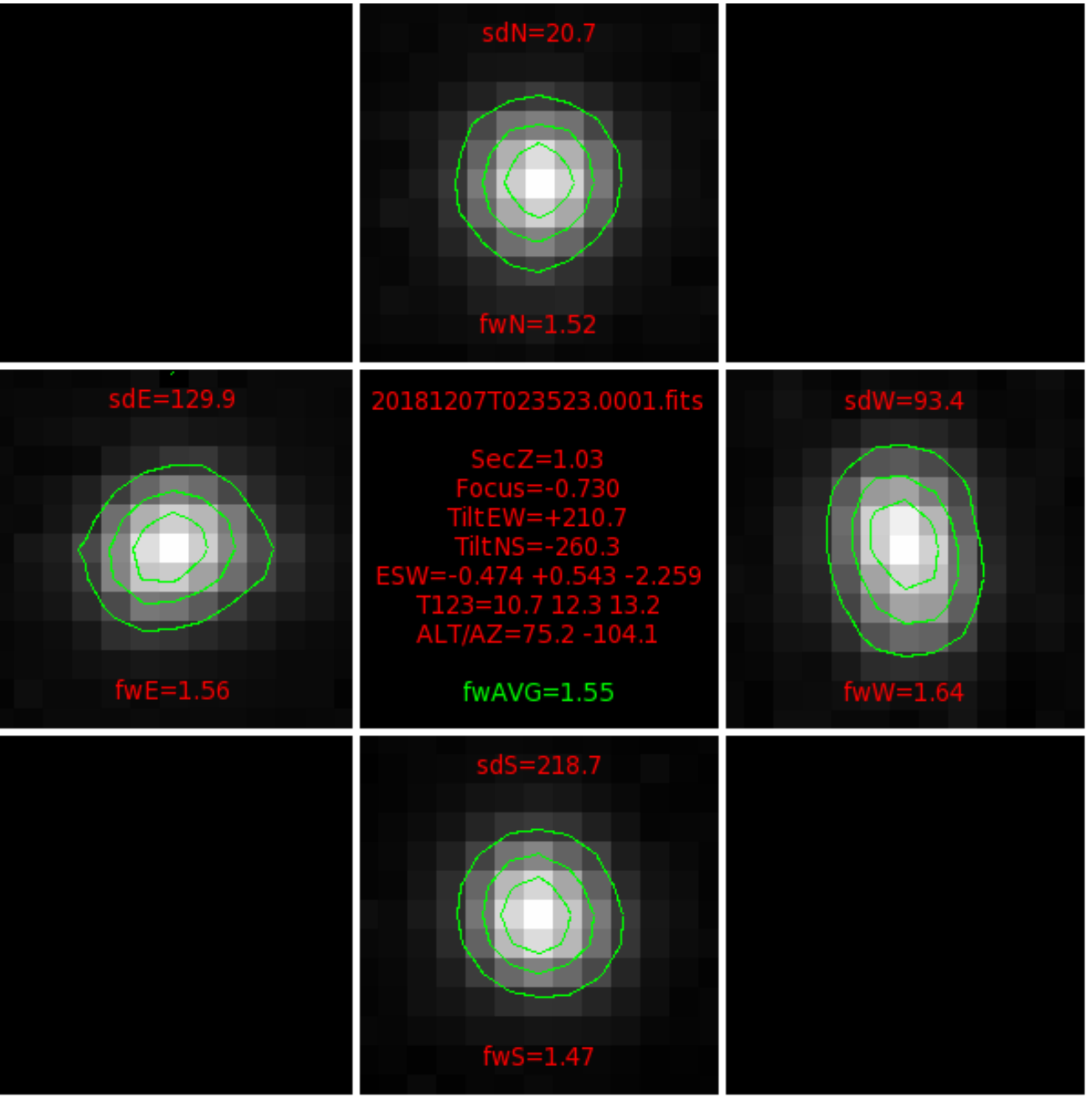
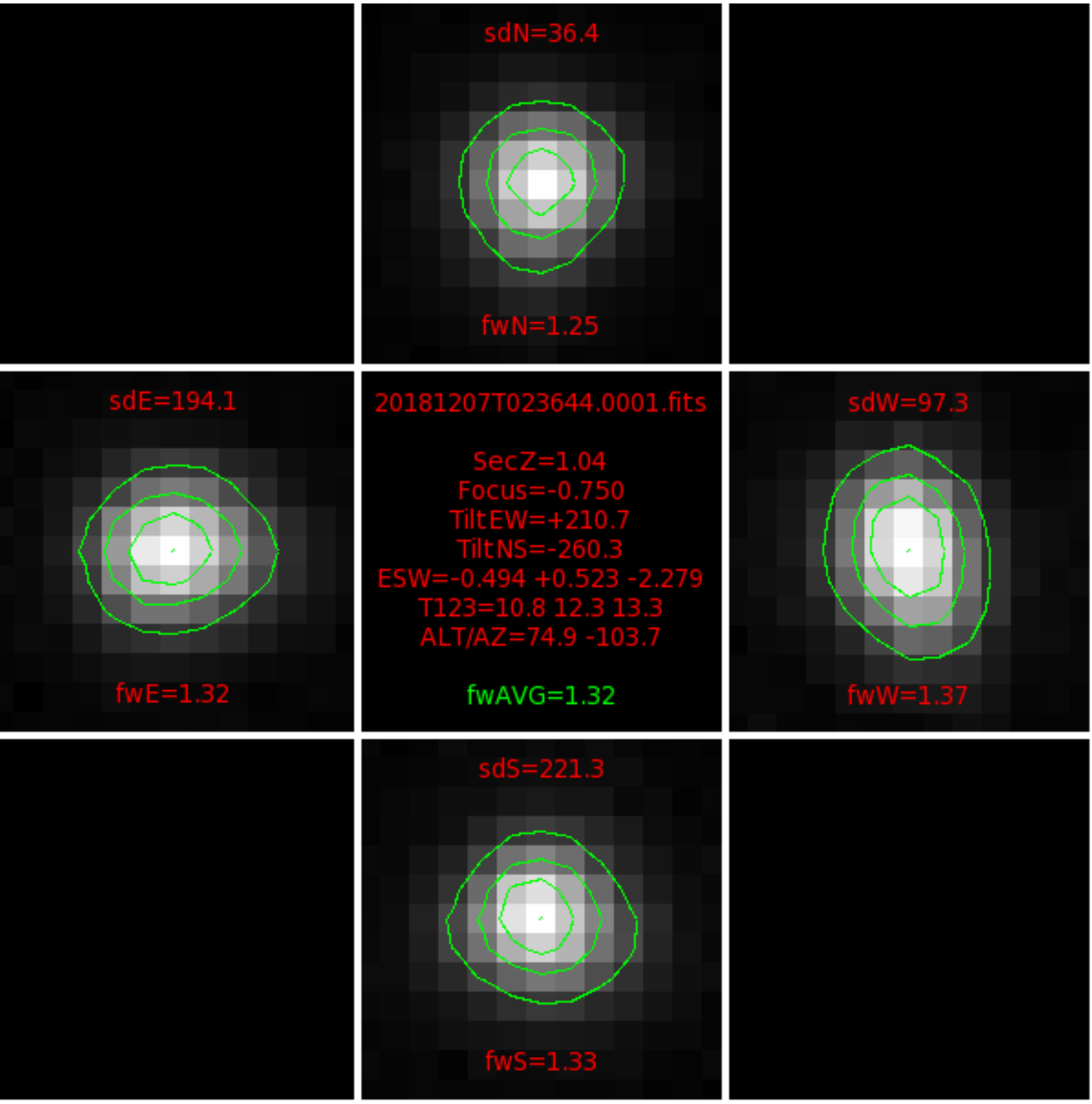

sdN=20.7
fwN=1.52
sdE=129.9
fwE=1.56
20181207T023523.0001.fits
SecZ=1.03
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.7 12.3 13.2
ALT/AZ=75.2 -104.1
fwAVG=1.55
sdW=93.4
fwW=1.64
sdS=218.7
fwS=1.47
0 0 0 0 0 0 0 0 0


sdN=36.4
fwN=1.25
sdE=194.1
fwE=1.32
20181207T023644.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.8 12.3 13.3
ALT/AZ=74.9 -103.7
fwAVG=1.32
sdW=97.3
fwW=1.37
sdS=221.3
fwS=1.33
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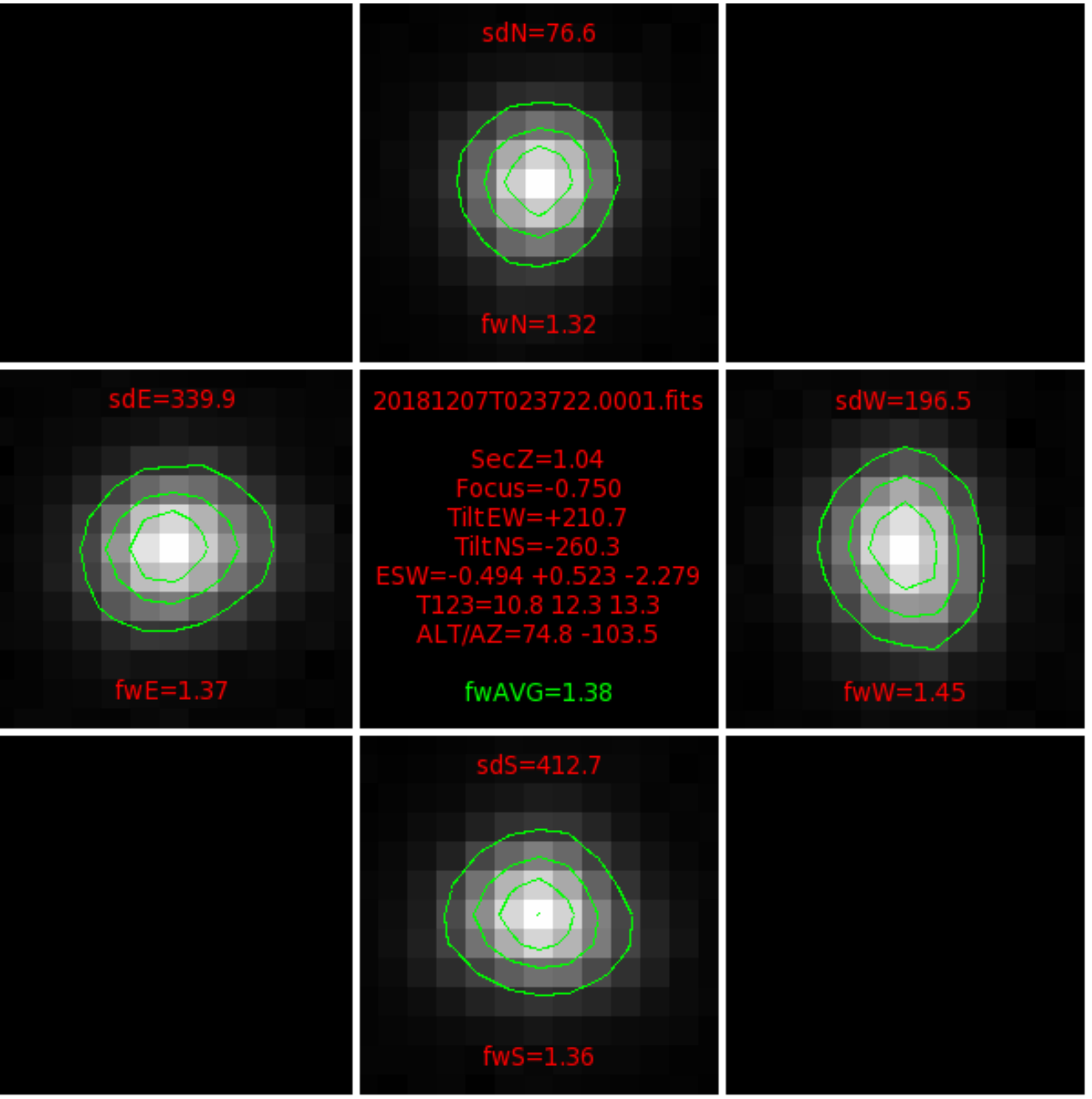
sdN=76.6
fwN=1.32
sdE=339.9
fwE=1.37
20181207T023722.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.8 12.3 13.3
ALT/AZ=74.8 -103.5
fwAVG=1.38
sdW=196.5
fwW=1.45
sdS=412.7
fwS=1.36
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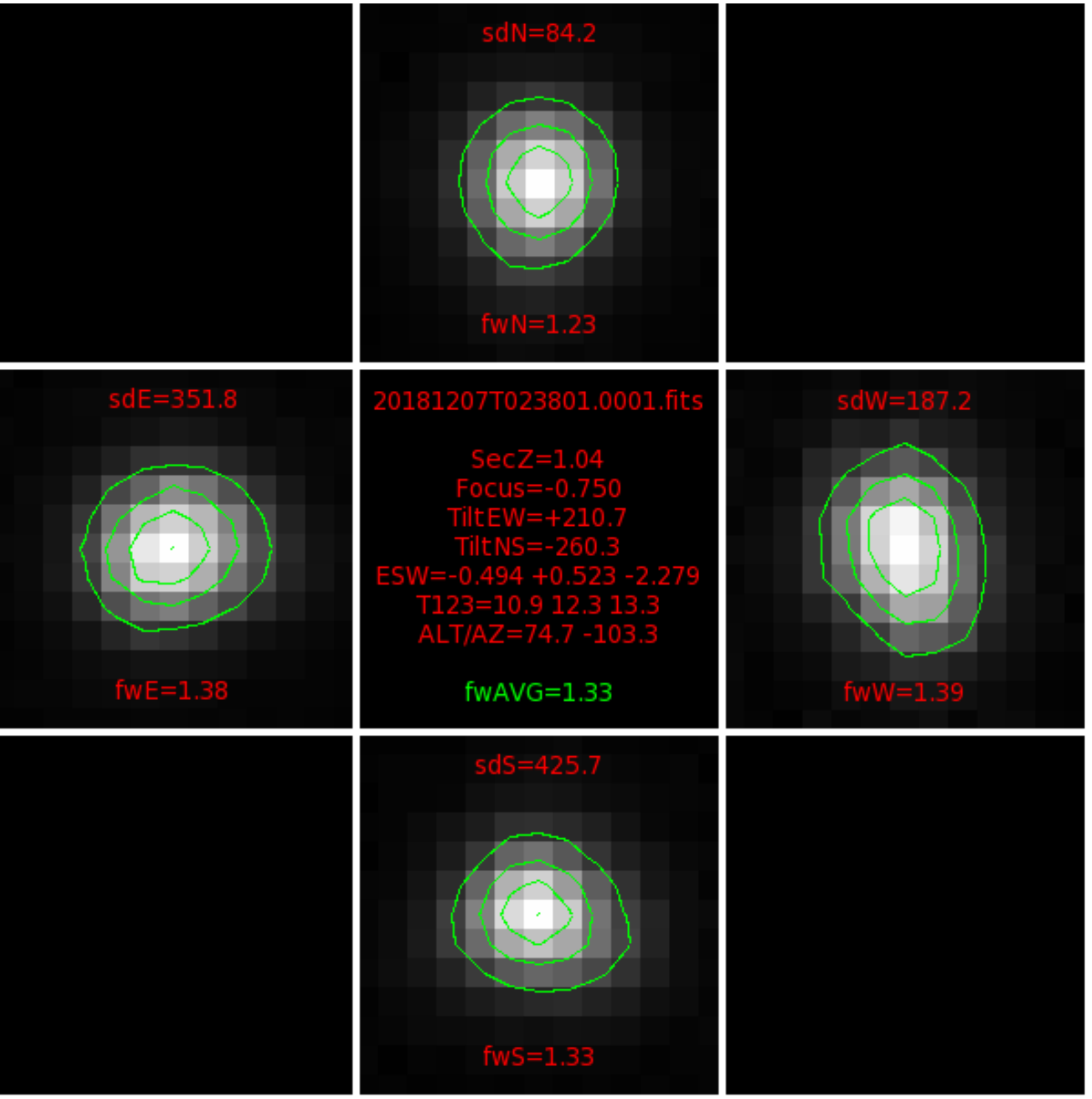
sdN=84.2
fwN=1.23
sdE=351.8
fwE=1.38
20181207T023801.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.9 12.3 13.3
ALT/AZ=74.7 -103.3
fwAVG=1.33
sdW=187.2
fwW=1.39
sdS=425.7
fwS=1.33
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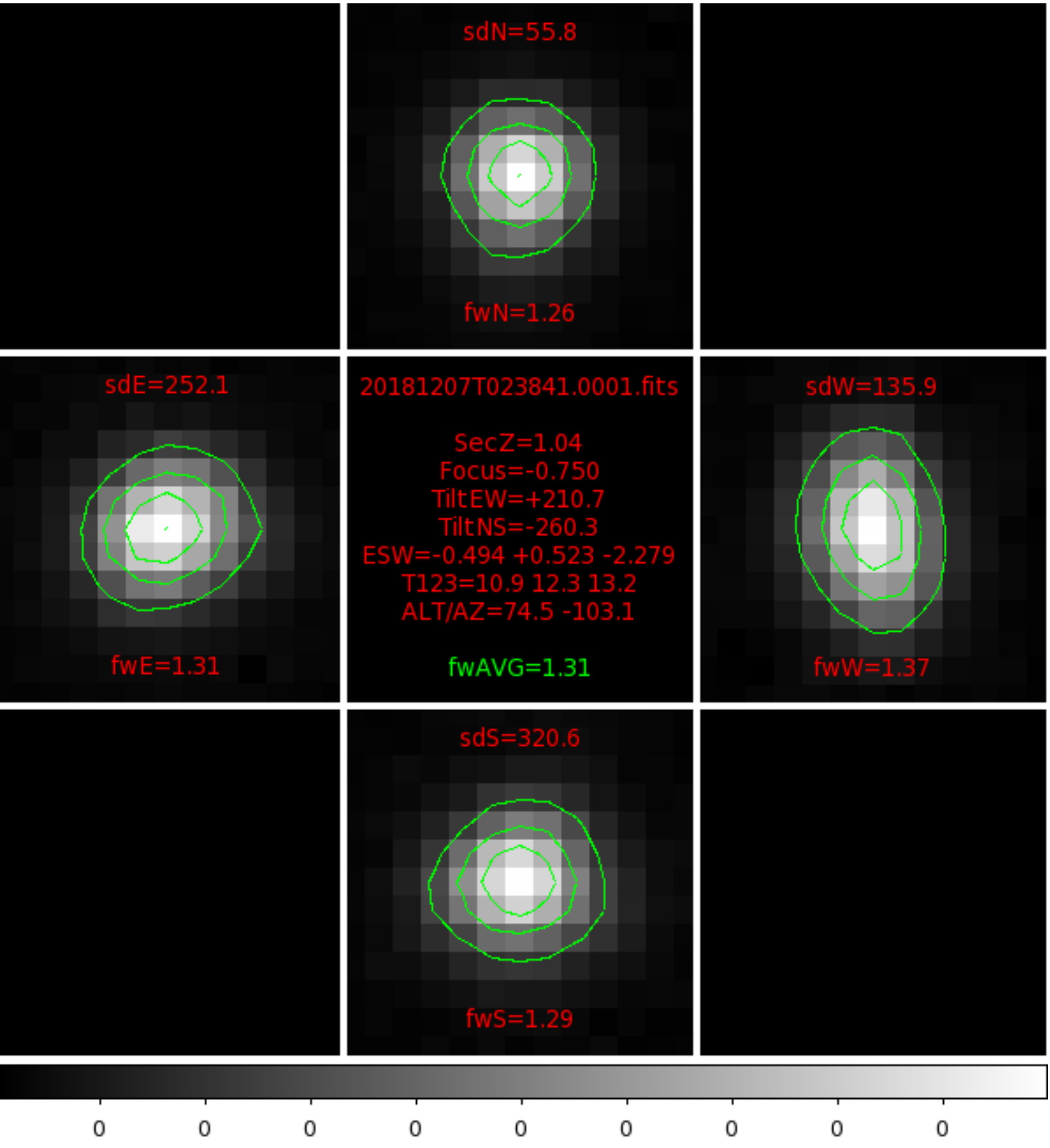
sdN=55.8
fwN=1.26
sdE=252.1
fwE=1.31
20181207T023841.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.9 12.3 13.2
ALT/AZ=74.5 -103.1
fwAVG=1.31
sdW=135.9
fwW=1.37
sdS=320.6
fwS=1.29
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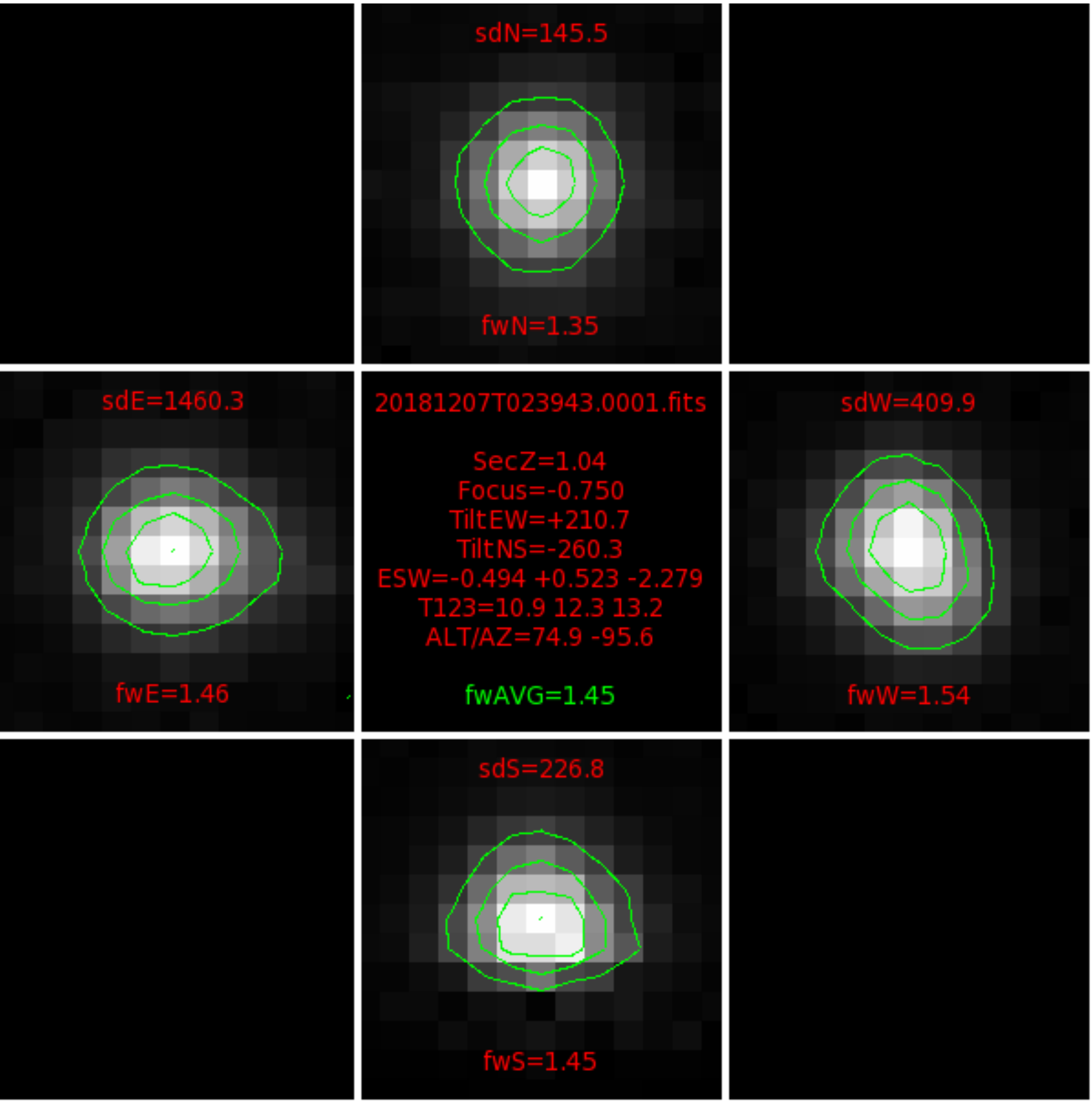
sdN=145.5
fwN=1.35
sdE=1460.3
fwE=1.46
20181207T023943.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.9 12.3 13.2
ALT/AZ=74.9 -95.6
fwAVG=1.45
sdW=409.9
fwW=1.54
sdS=226.8
fwS=1.45
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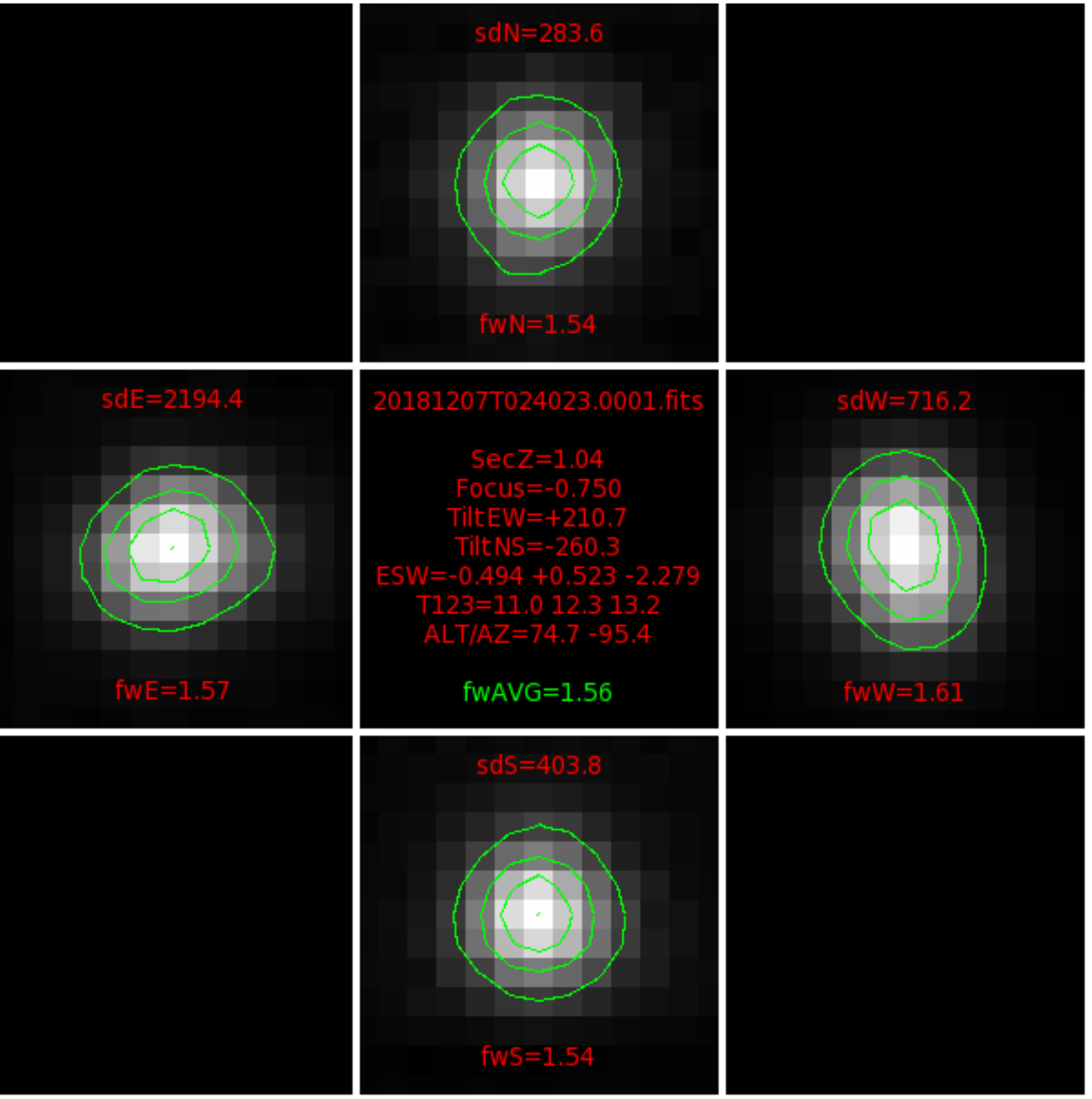
sdN=283.6
fwN=1.54
sdE=2194.4
fwE=1.57
20181207T024023.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=11.0 12.3 13.2
ALT/AZ=74.7 -95.4
fwAVG=1.56
sdW=716.2
fwW=1.61
sdS=403.8
fwS=1.54
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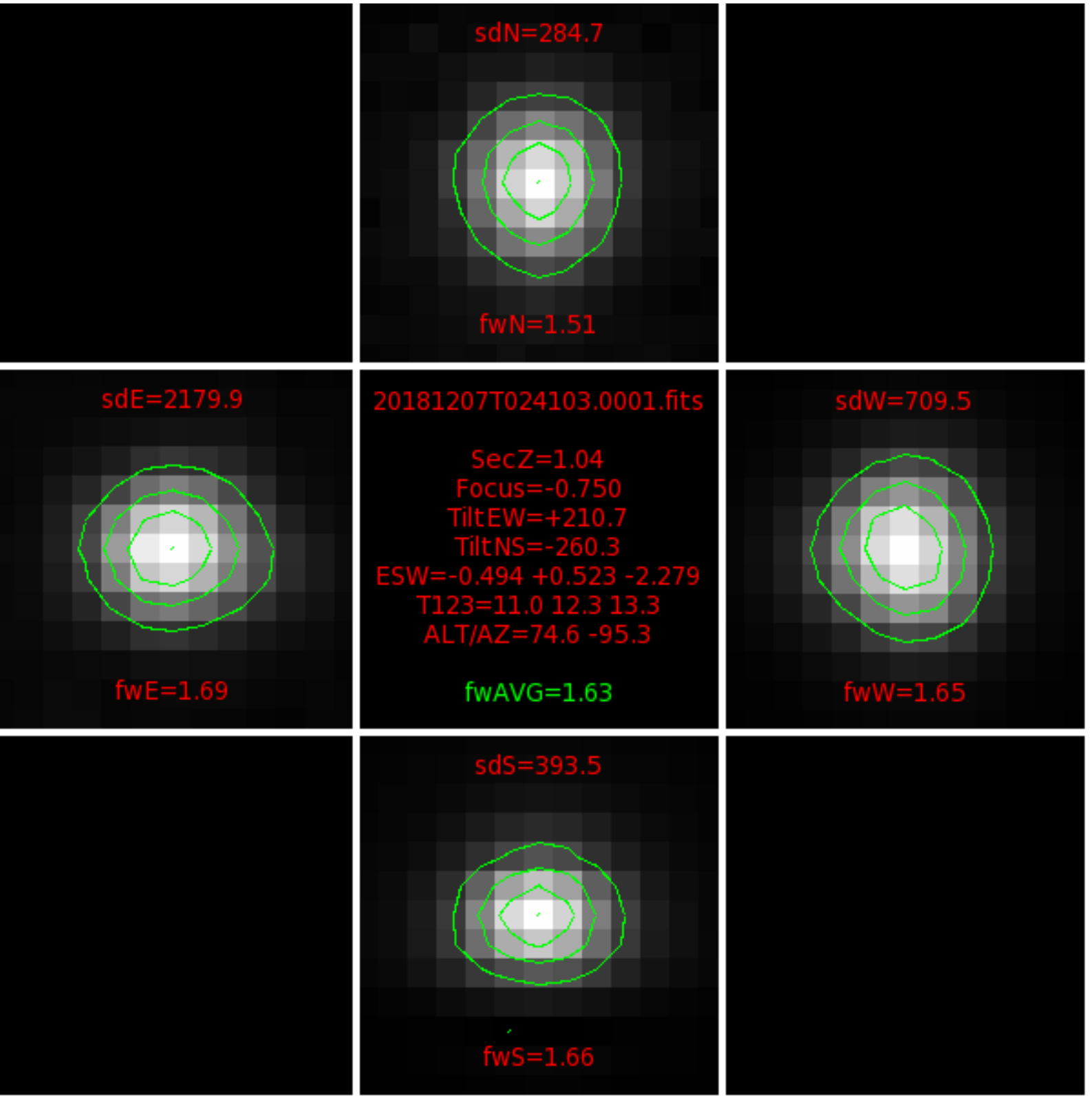
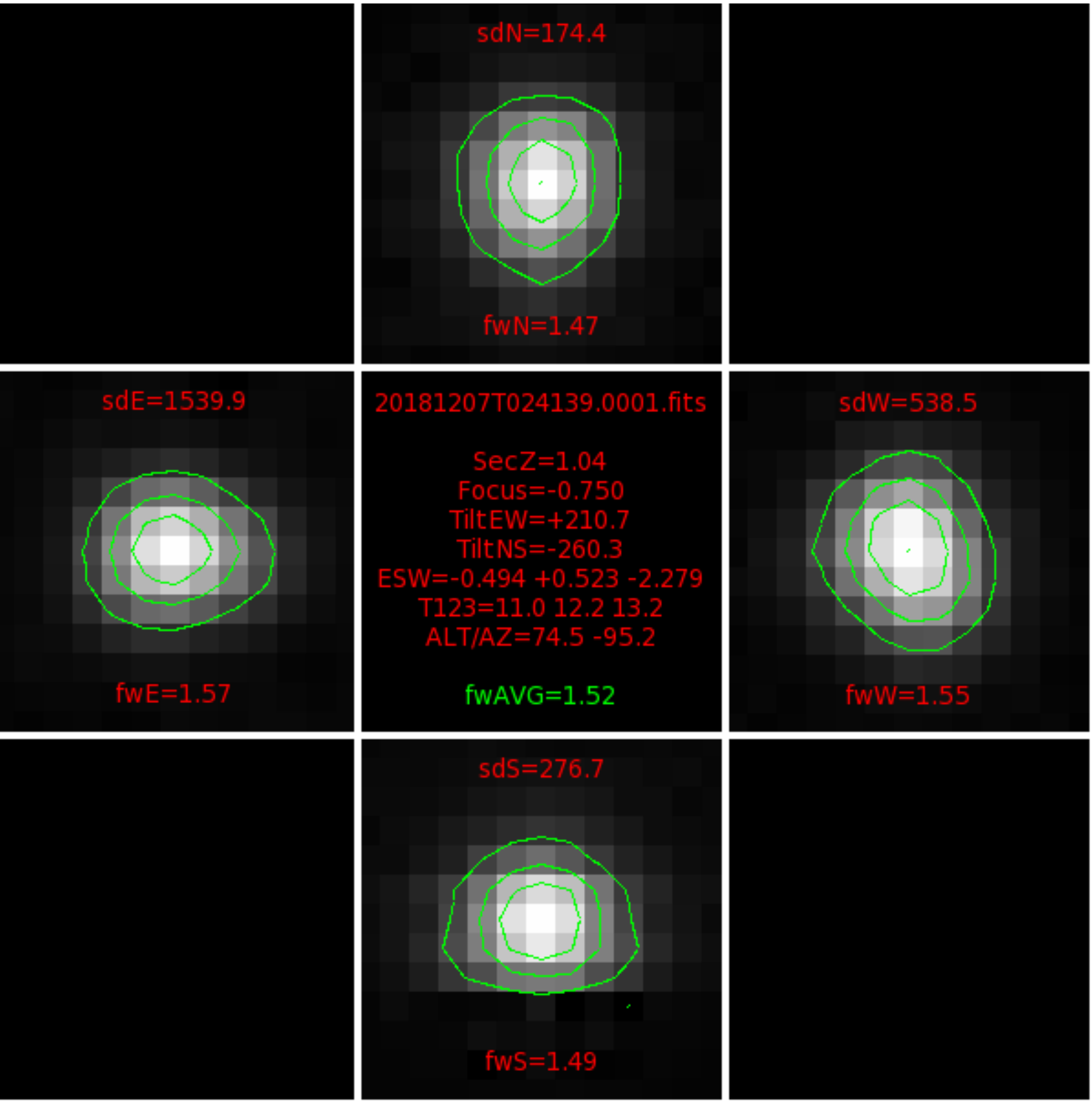
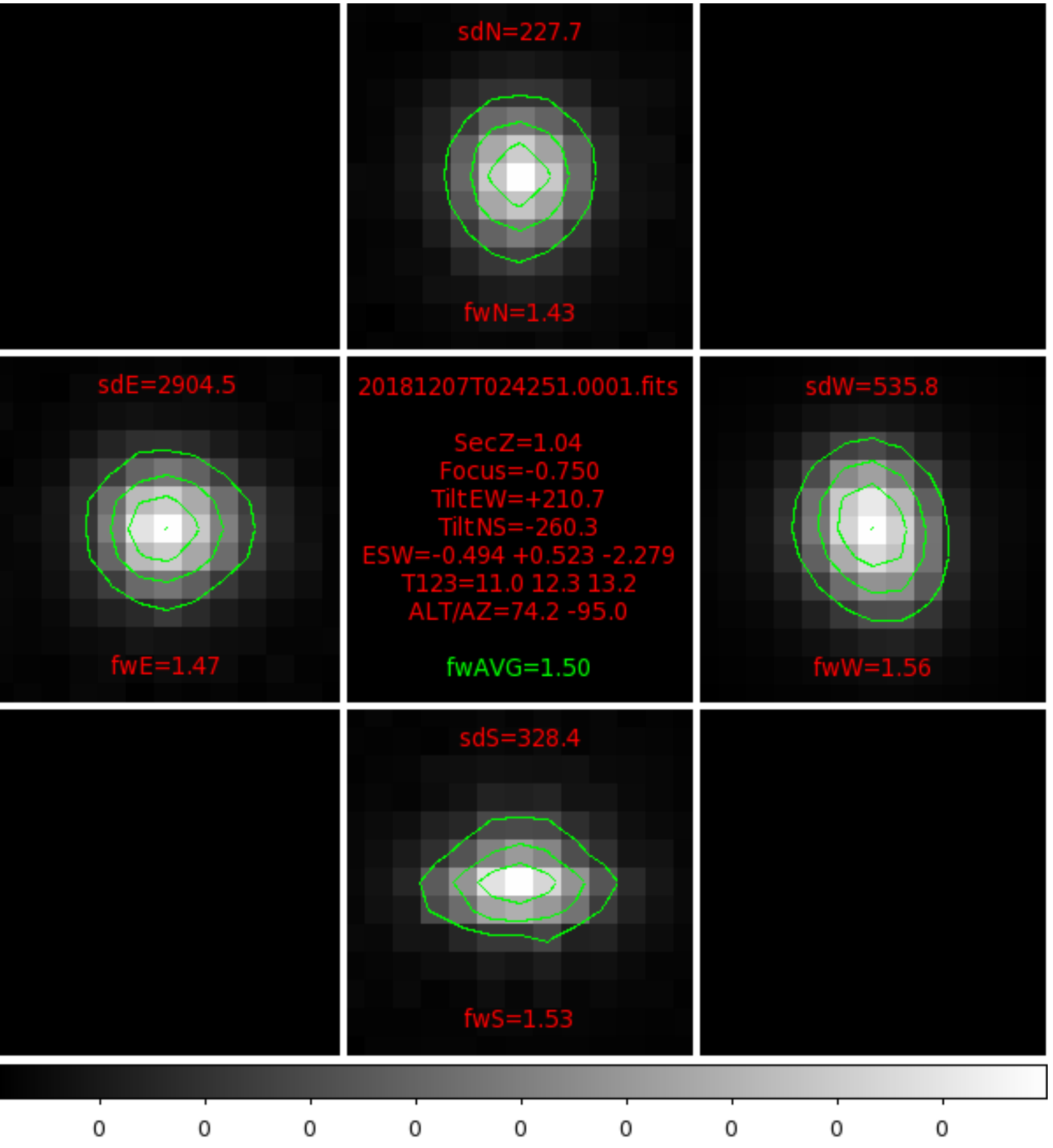

sdN=284.7
fwN=1.51
sdE=2179.9
fwE=1.69
20181207T024103.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=11.0 12.3 13.3
ALT/AZ=74.6 -95.3
fwAVG=1.63
sdW=709.5
fwW=1.65
sdS=393.5
fwS=1.66
0 0 0 0 0 0 0 0 0


sdN=174.4
fwN=1.47
sdE=1539.9
fwE=1.57
20181207T024139.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=11.0 12.2 13.2
ALT/AZ=74.5 -95.2
fwAVG=1.52
sdW=538.5
fwW=1.55
sdS=276.7
fwS=1.49
0 0 0 0 0 0 0 0 0


sdN=227.7
fwN=1.43
sdE=2904.5
fwE=1.47
20181207T024251.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=11.0 12.3 13.2
ALT/AZ=74.2 -95.0
fwAVG=1.50
sdW=535.8
fwW=1.56
sdS=328.4
fwS=1.53
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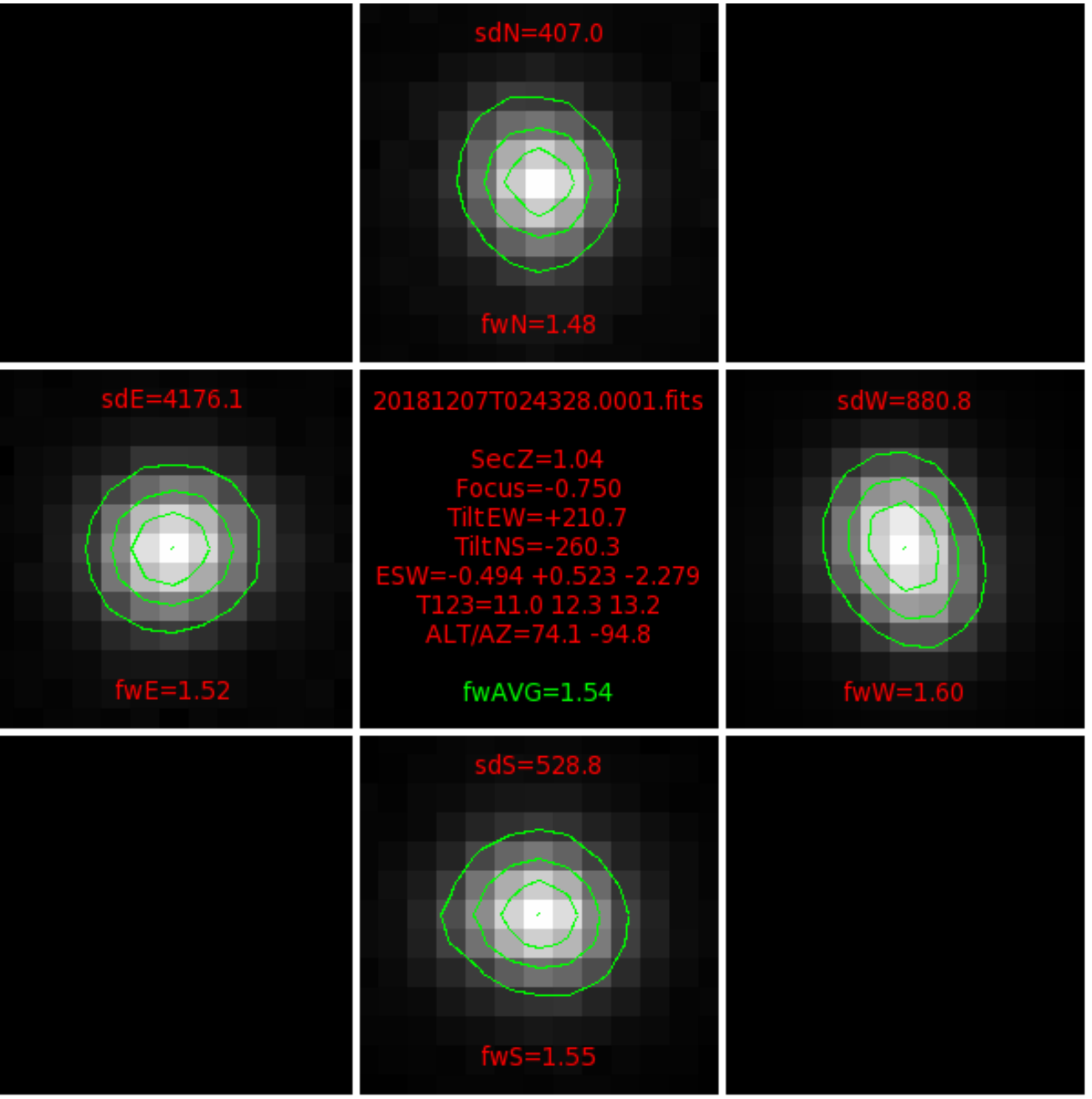
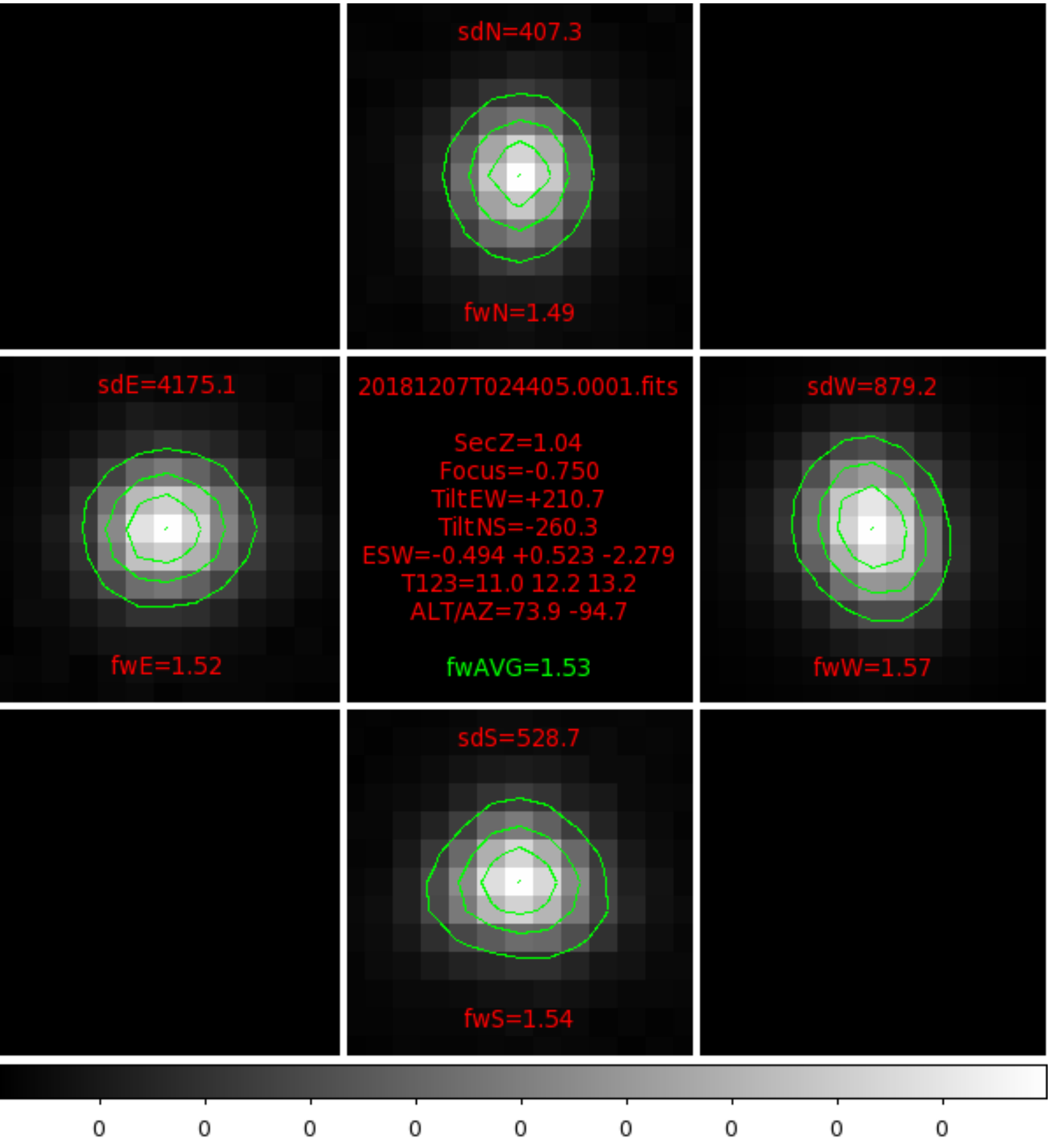

sdN=407.0
fwN=1.48
sdE=4176.1
fwE=1.52
20181207T024328.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=11.0 12.3 13.2
ALT/AZ=74.1 -94.8
fwAVG=1.54
sdW=880.8
fwW=1.60
sdS=528.8
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=407.3
fwN=1.49
sdE=4175.1
fwE=1.52
20181207T024405.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=11.0 12.2 13.2
ALT/AZ=73.9 -94.7
fwAVG=1.53
sdW=879.2
fwW=1.57
sdS=528.7
fwS=1.54
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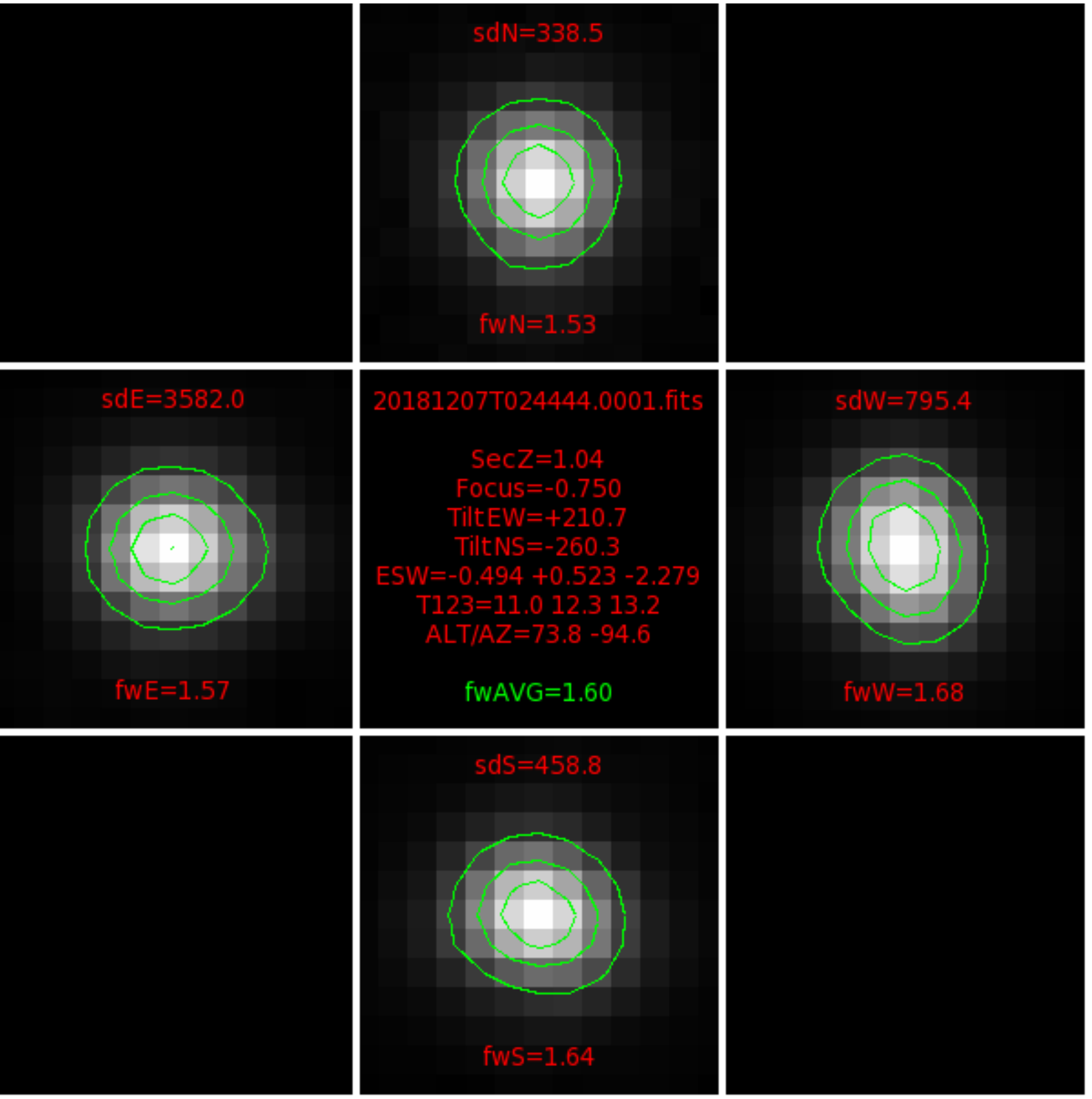
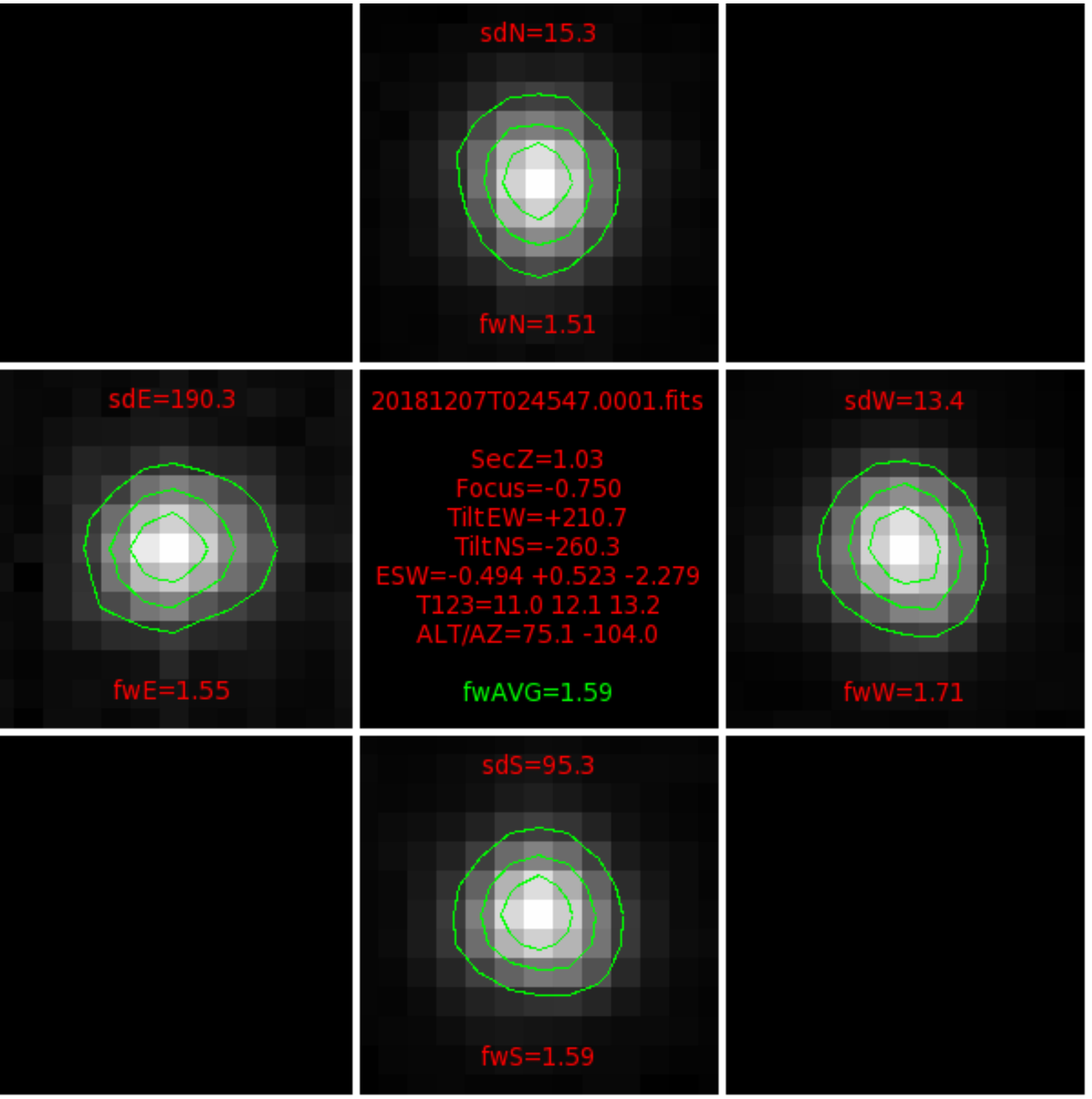

sdN=338.5
fwN=1.53
sdE=3582.0
fwE=1.57
20181207T024444.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=11.0 12.3 13.2
ALT/AZ=73.8 -94.6
fwAVG=1.60
sdW=795.4
fwW=1.68
sdS=458.8
fwS=1.64
0 0 0 0 0 0 0 0 0


sdN=15.3
fwN=1.51
sdE=190.3
fwE=1.55
20181207T024547.0001.fits
SecZ=1.03
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=11.0 12.1 13.2
ALT/AZ=75.1 -104.0
fwAVG=1.59
sdW=13.4
fwW=1.71
sdS=95.3
fwS=1.59
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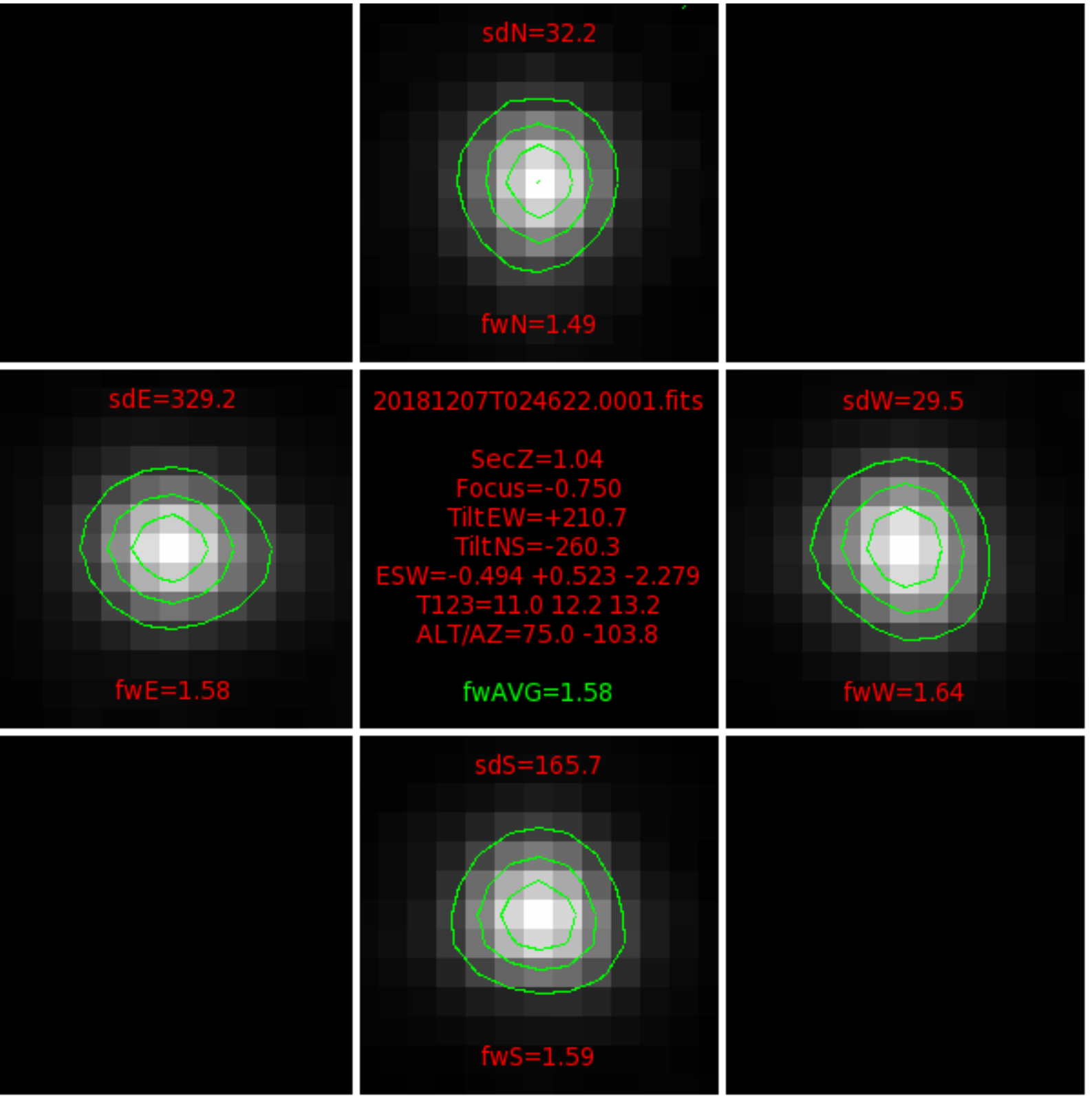
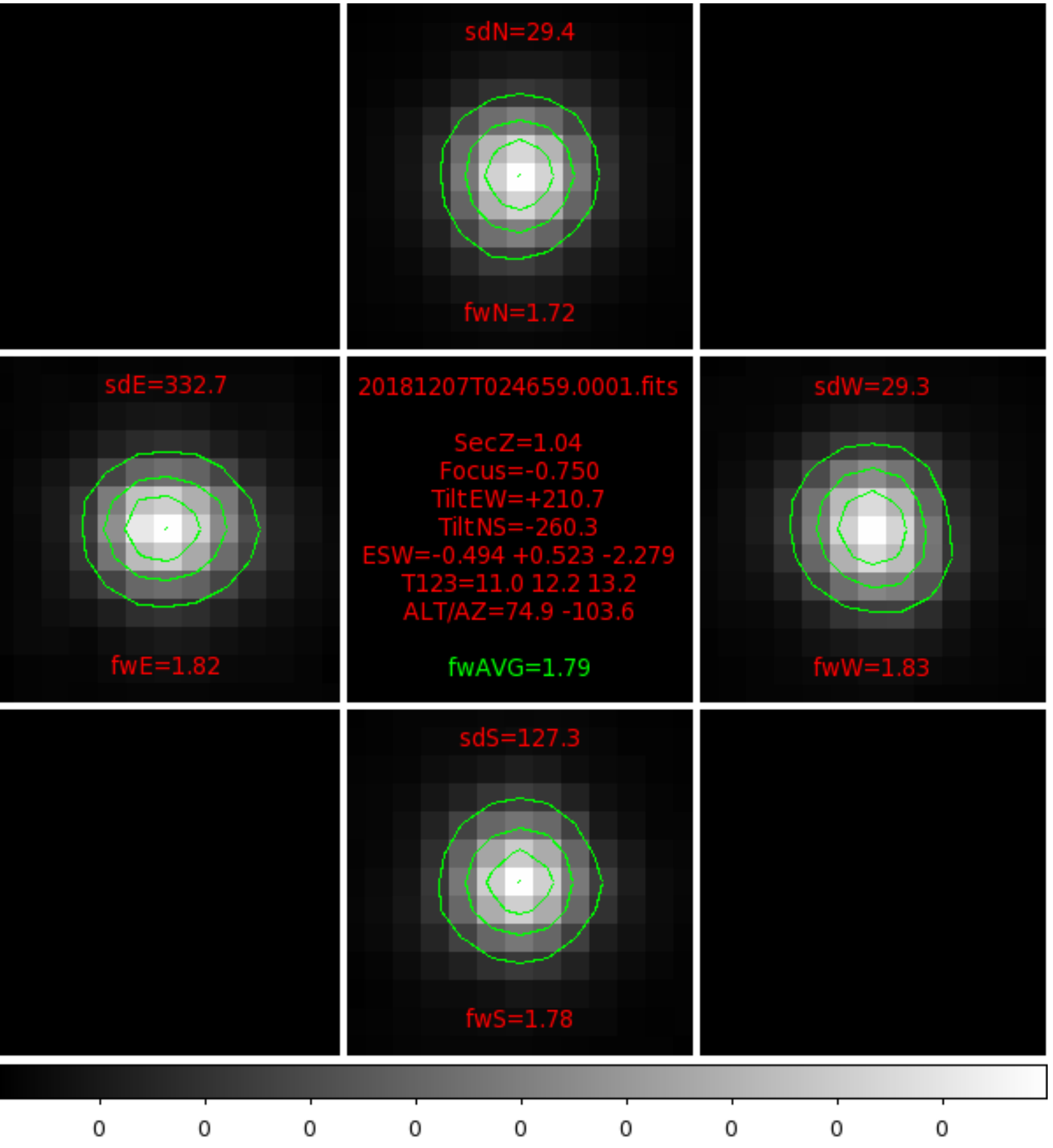

sdN=32.2
fwN=1.49
sdE=329.2
fwE=1.58
20181207T024622.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=11.0 12.2 13.2
ALT/AZ=75.0 -103.8
fwAVG=1.58
sdW=29.5
fwW=1.64
sdS=165.7
fwS=1.59
0 0 0 0 0 0 0 0 0


sdN=29.4
fwN=1.72
sdE=332.7
fwE=1.82
20181207T024659.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=11.0 12.2 13.2
ALT/AZ=74.9 -103.6
fwAVG=1.79
sdW=29.3
fwW=1.83
sdS=127.3
fwS=1.78
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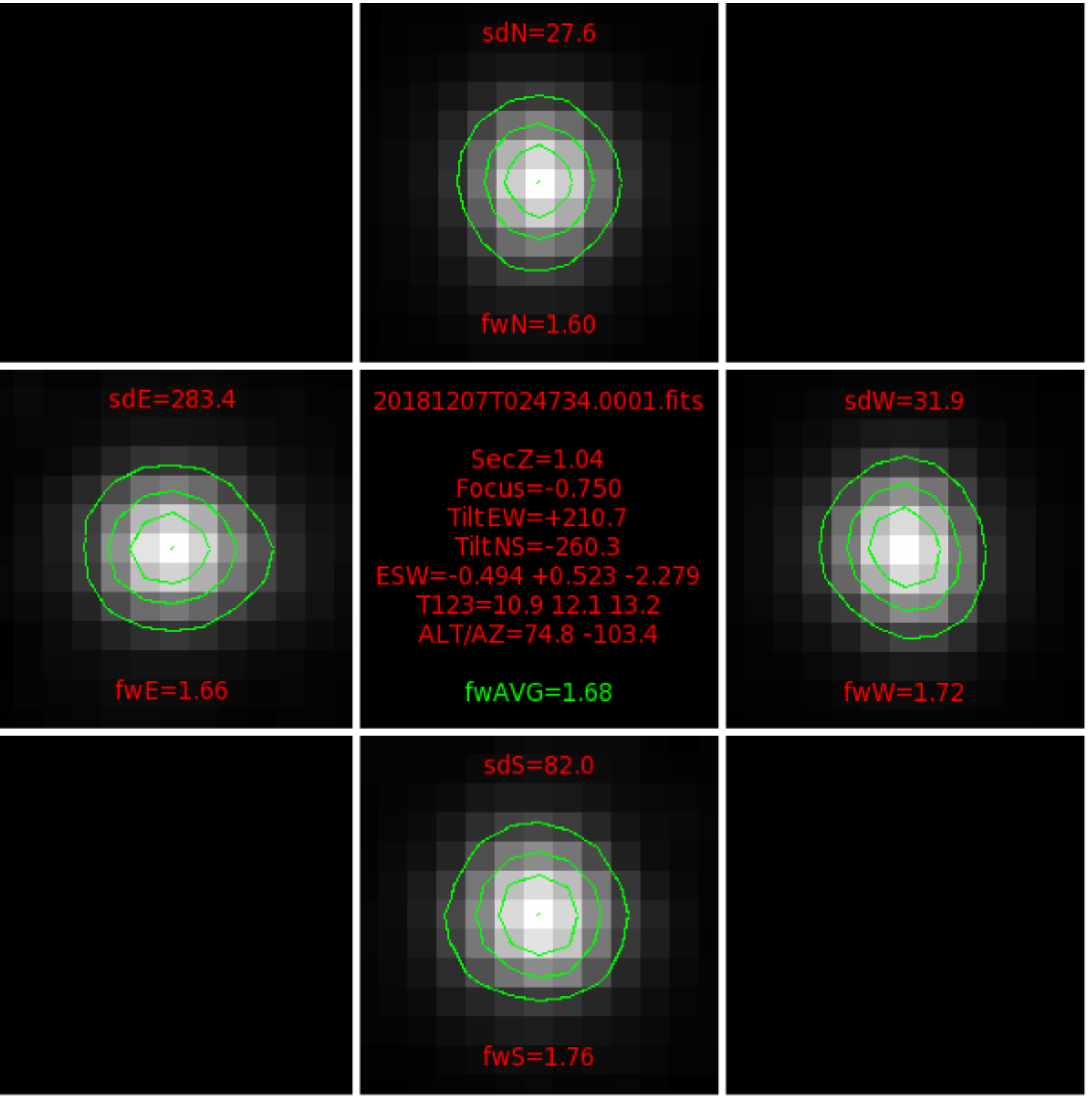
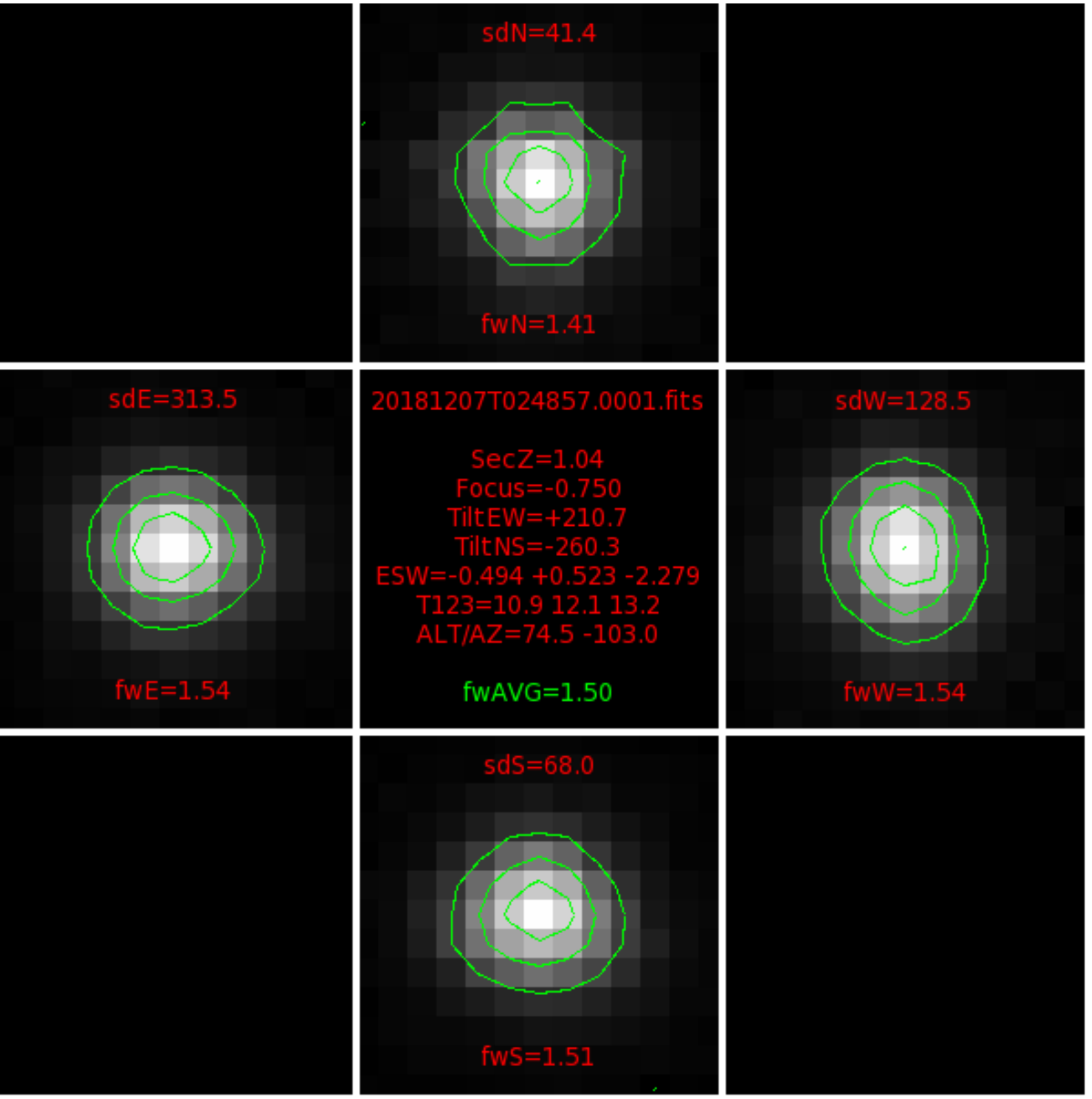
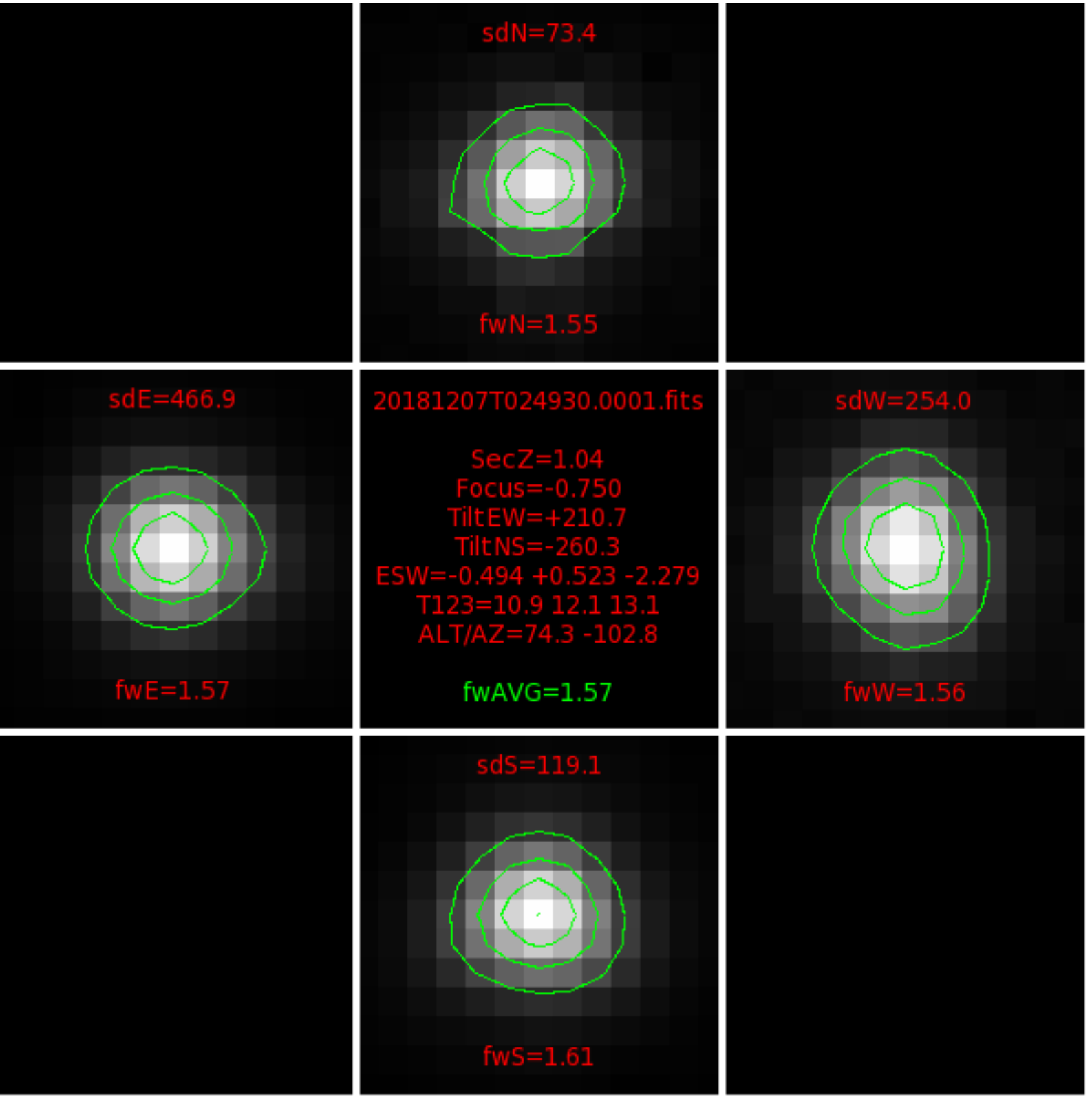
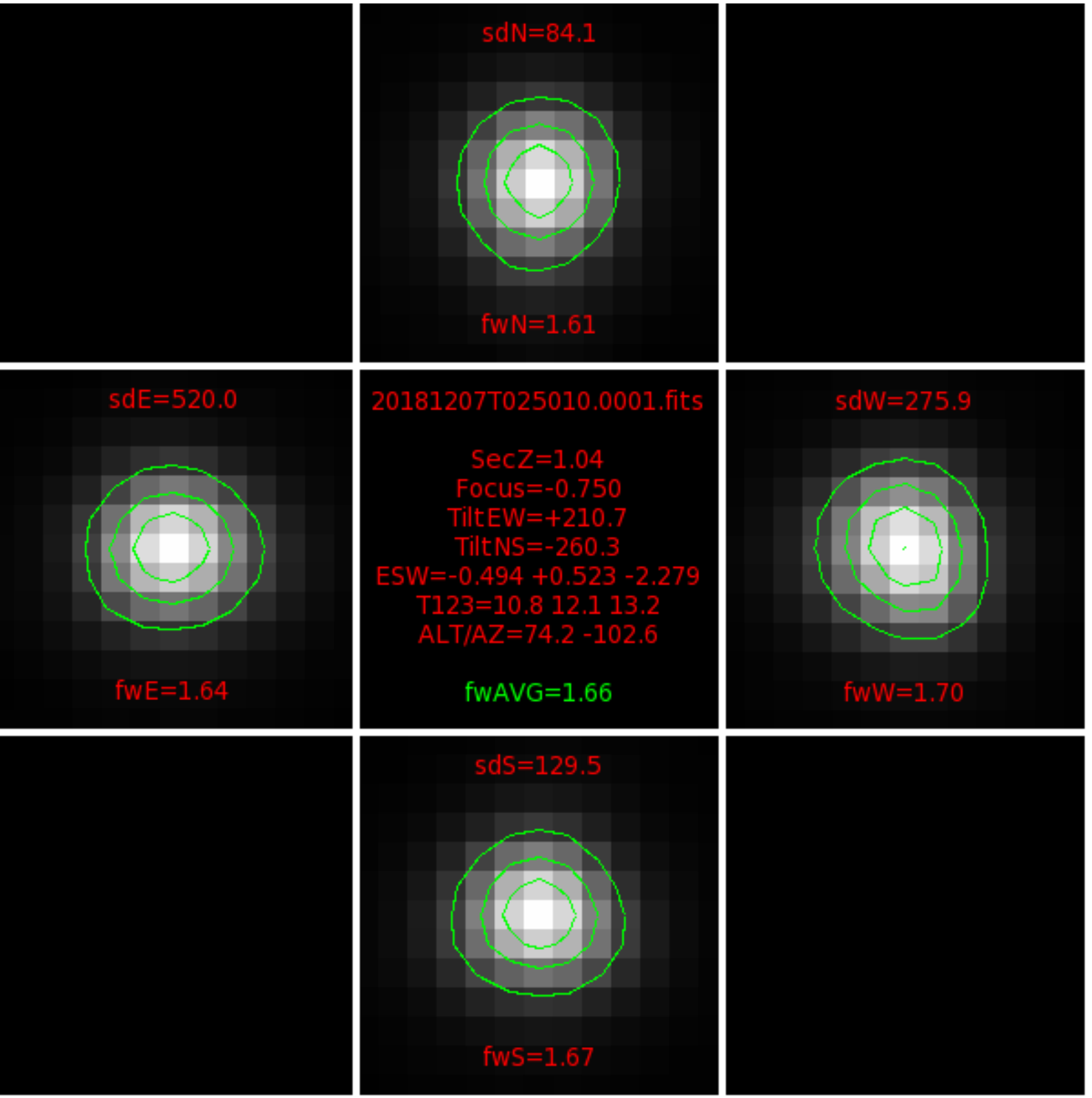

sdN=27.6
fwN=1.60
sdE=283.4
fwE=1.66
20181207T024734.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.9 12.1 13.2
ALT/AZ=74.8 -103.4
fwAVG=1.68
sdW=31.9
fwW=1.72
sdS=82.0
fwS=1.76
0 0 0 0 0 0 0 0 0


sdN=41.4
fwN=1.41
sdE=313.5
fwE=1.54
20181207T024857.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.9 12.1 13.2
ALT/AZ=74.5 -103.0
fwAVG=1.50
sdW=128.5
fwW=1.54
sdS=68.0
fwS=1.51
0 0 0 0 0 0 0 0 0


sdN=73.4
fwN=1.55
sdE=466.9
fwE=1.57
20181207T024930.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.9 12.1 13.1
ALT/AZ=74.3 -102.8
fwAVG=1.57
sdW=254.0
fwW=1.56
sdS=119.1
fwS=1.61
0 0 0 0 0 0 0 0 0


sdN=84.1
fwN=1.61
sdE=520.0
fwE=1.64
20181207T025010.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.8 12.1 13.2
ALT/AZ=74.2 -102.6
fwAVG=1.66
sdW=275.9
fwW=1.70
sdS=129.5
fwS=1.67
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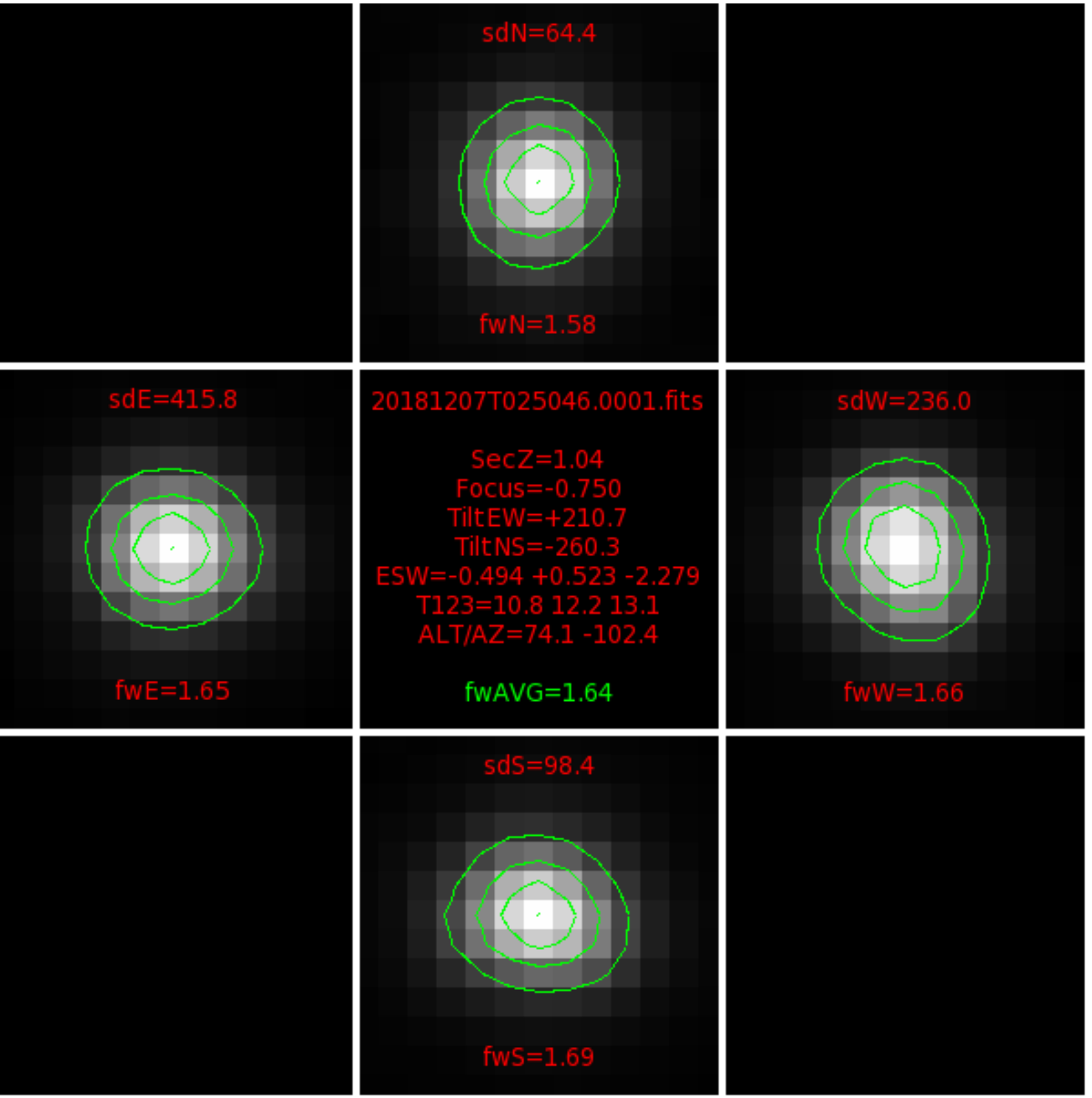
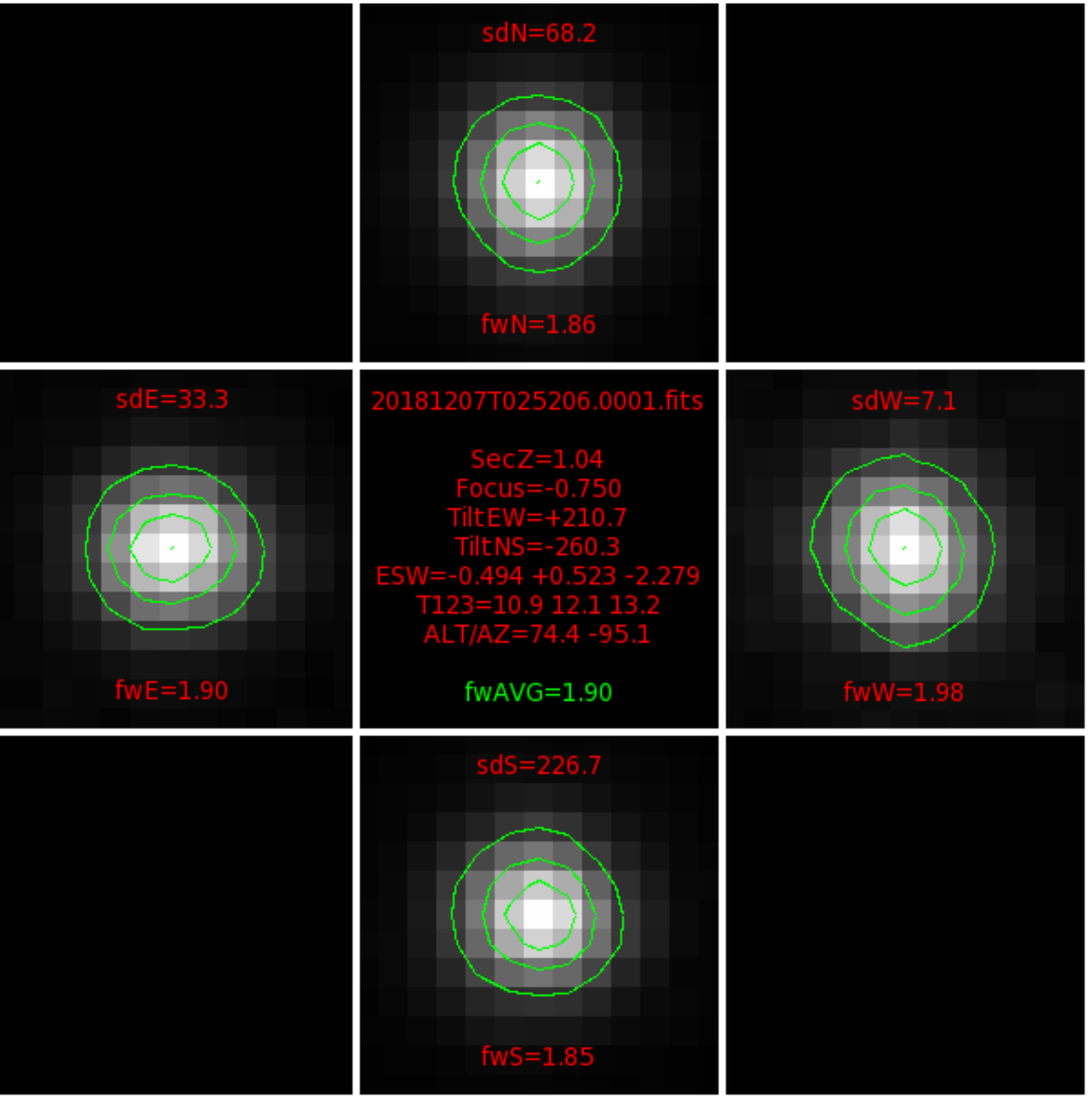

sdN=64.4
fwN=1.58
sdE=415.8
fwE=1.65
20181207T025046.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.8 12.2 13.1
ALT/AZ=74.1 -102.4
fwAVG=1.64
sdW=236.0
fwW=1.66
sdS=98.4
fwS=1.69
0 0 0 0 0 0 0 0 0


sdN=68.2
fwN=1.86
sdE=33.3
fwE=1.90
20181207T025206.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.9 12.1 13.2
ALT/AZ=74.4 -95.1
fwAVG=1.90
sdW=7.1
fwW=1.98
sdS=226.7
fwS=1.85
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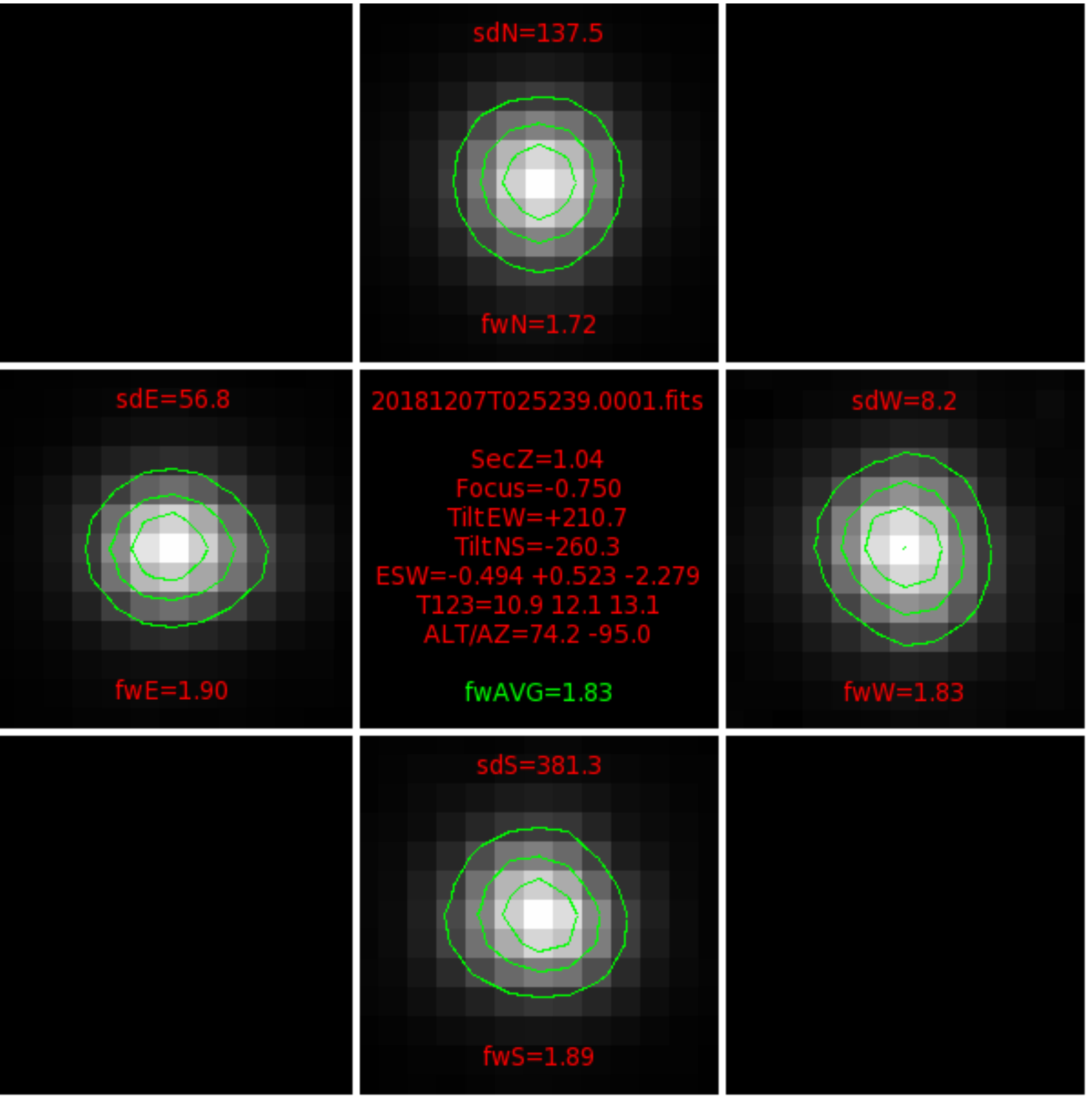
sdN=137.5
fwN=1.72
sdE=56.8
fwE=1.90
20181207T025239.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.9 12.1 13.1
ALT/AZ=74.2 -95.0
fwAVG=1.83
sdW=8.2
fwW=1.83
sdS=381.3
fwS=1.89
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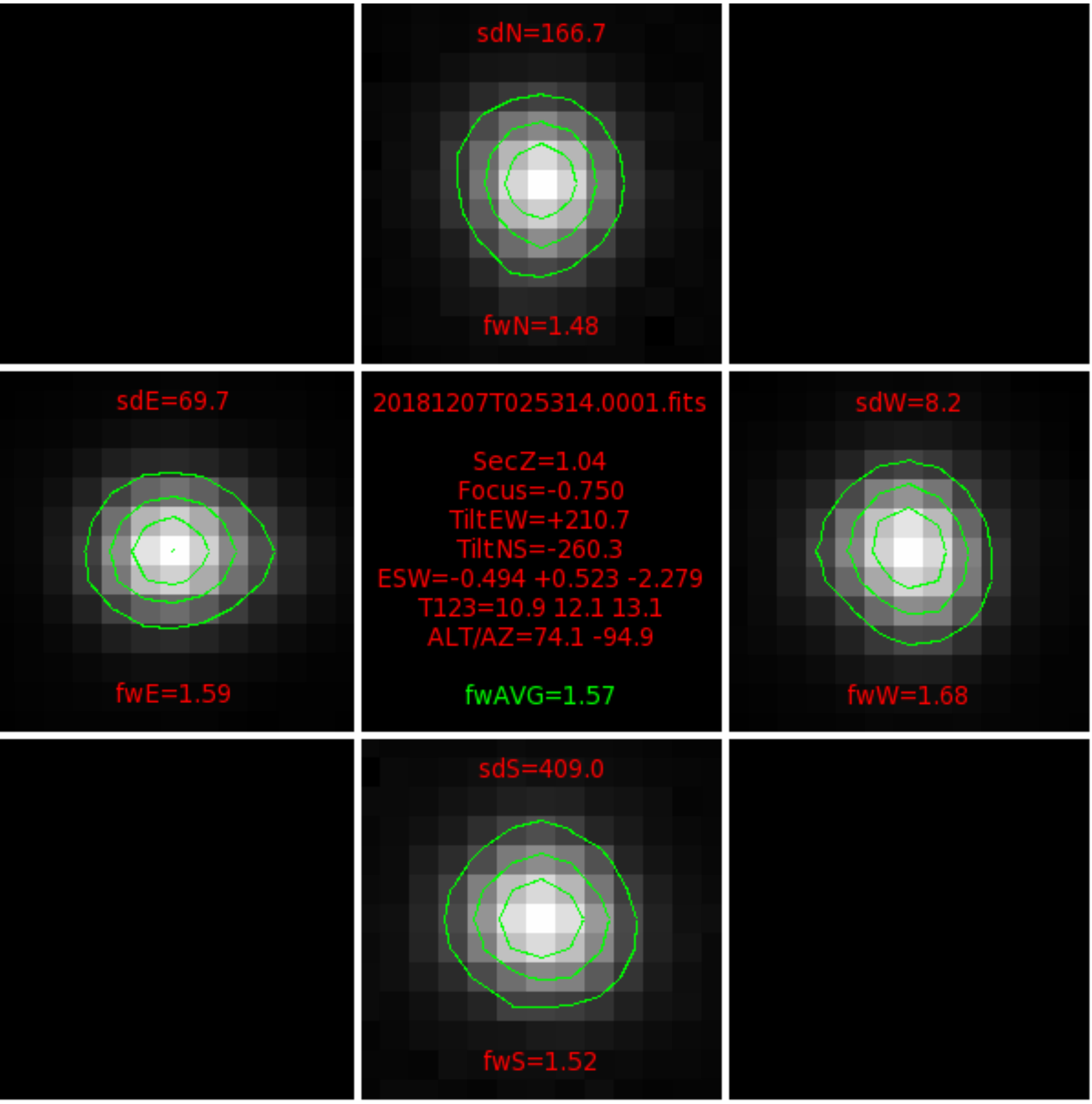
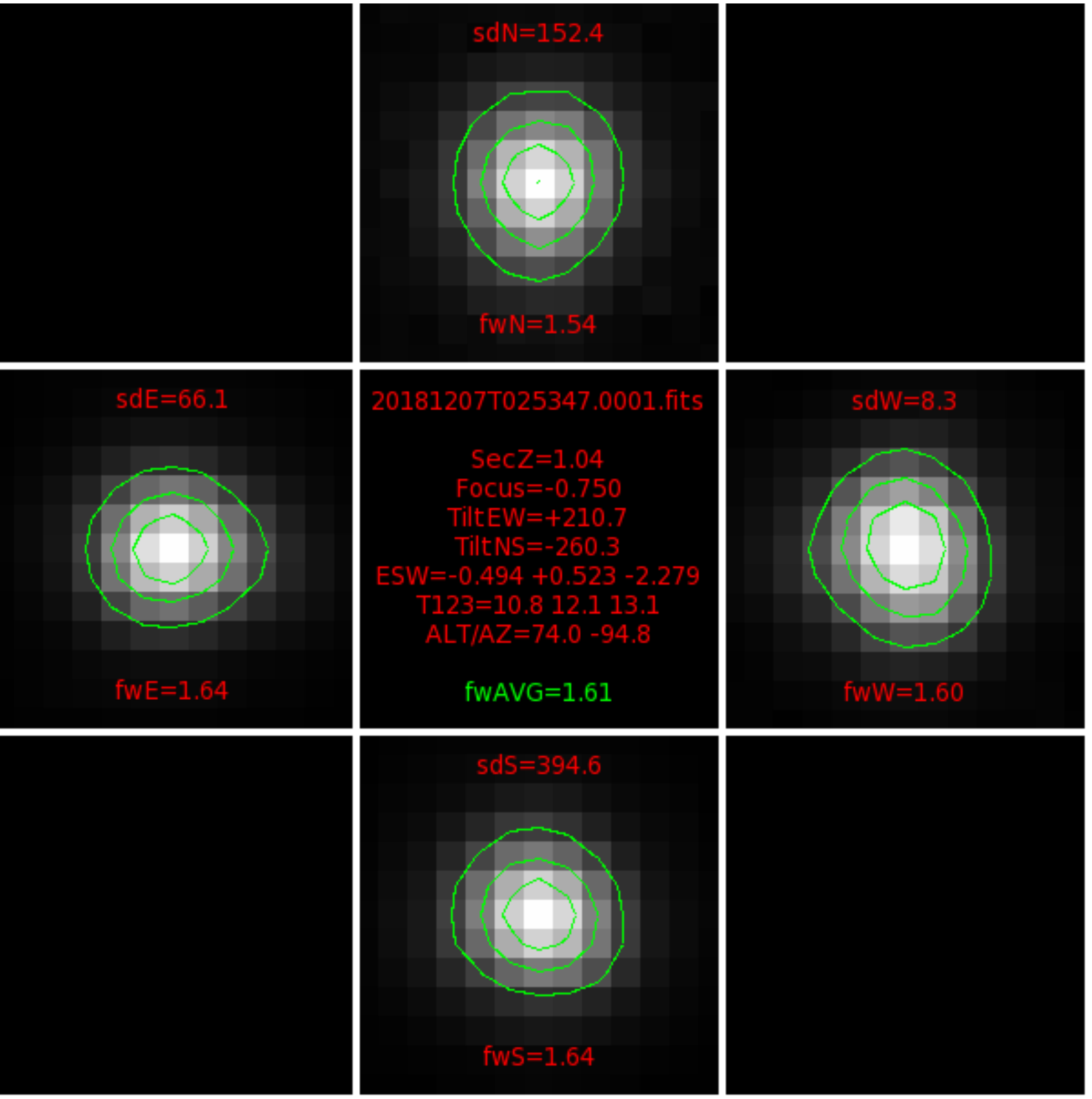
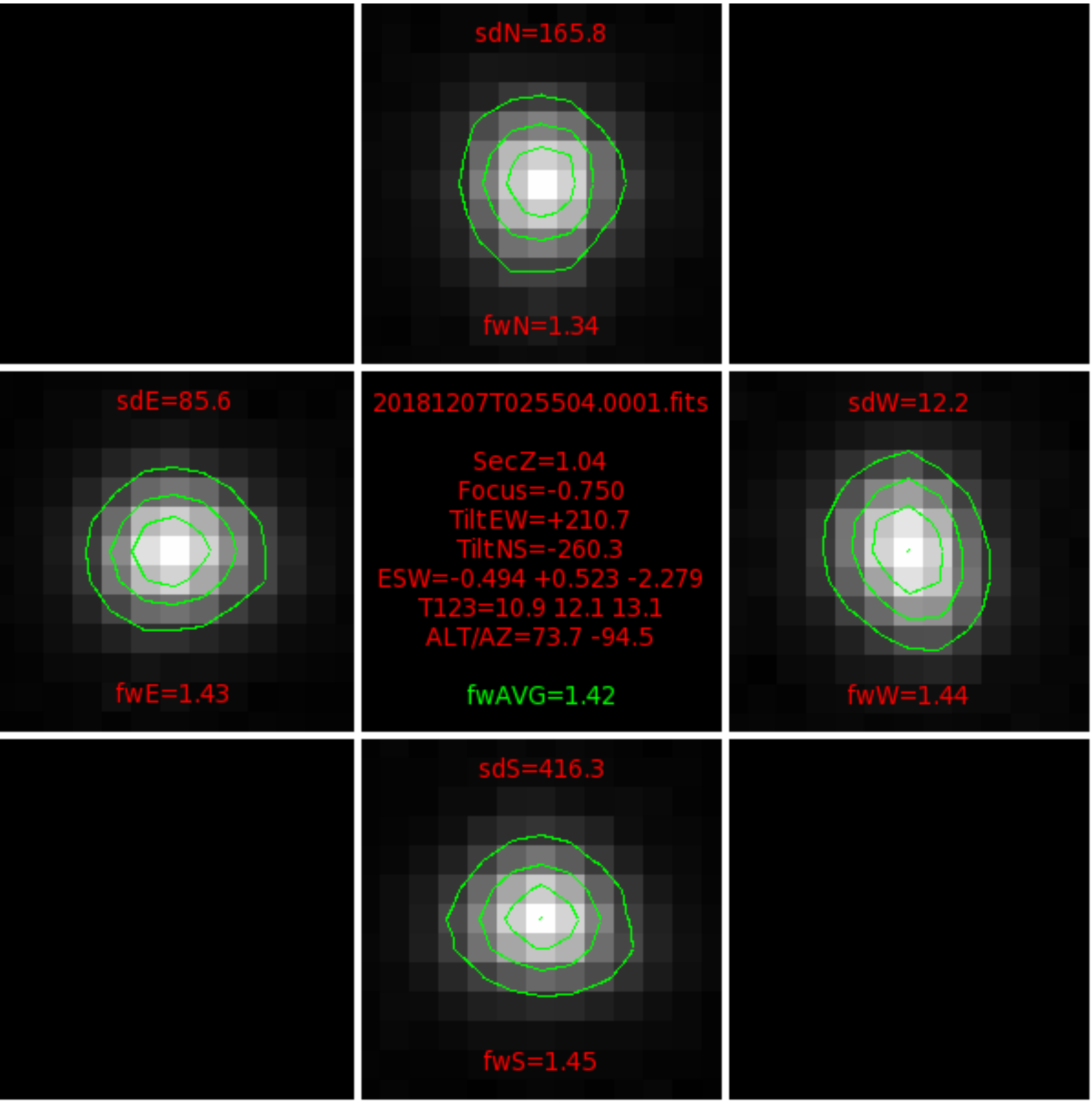

sdN=166.7
fwN=1.48
sdE=69.7
fwE=1.59
20181207T025314.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.9 12.1 13.1
ALT/AZ=74.1 -94.9
fwAVG=1.57
sdW=8.2
fwW=1.68
sdS=409.0
fwS=1.52
0 0 0 0 0 0 0 0 0


sdN=152.4
fwN=1.54
sdE=66.1
fwE=1.64
20181207T025347.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.8 12.1 13.1
ALT/AZ=74.0 -94.8
fwAVG=1.61
sdW=8.3
fwW=1.60
sdS=394.6
fwS=1.64
0 0 0 0 0 0 0 0 0


sdN=165.8
fwN=1.34
sdE=85.6
fwE=1.43
20181207T025504.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.9 12.1 13.1
ALT/AZ=73.7 -94.5
fwAVG=1.42
sdW=12.2
fwW=1.44
sdS=416.3
fwS=1.45
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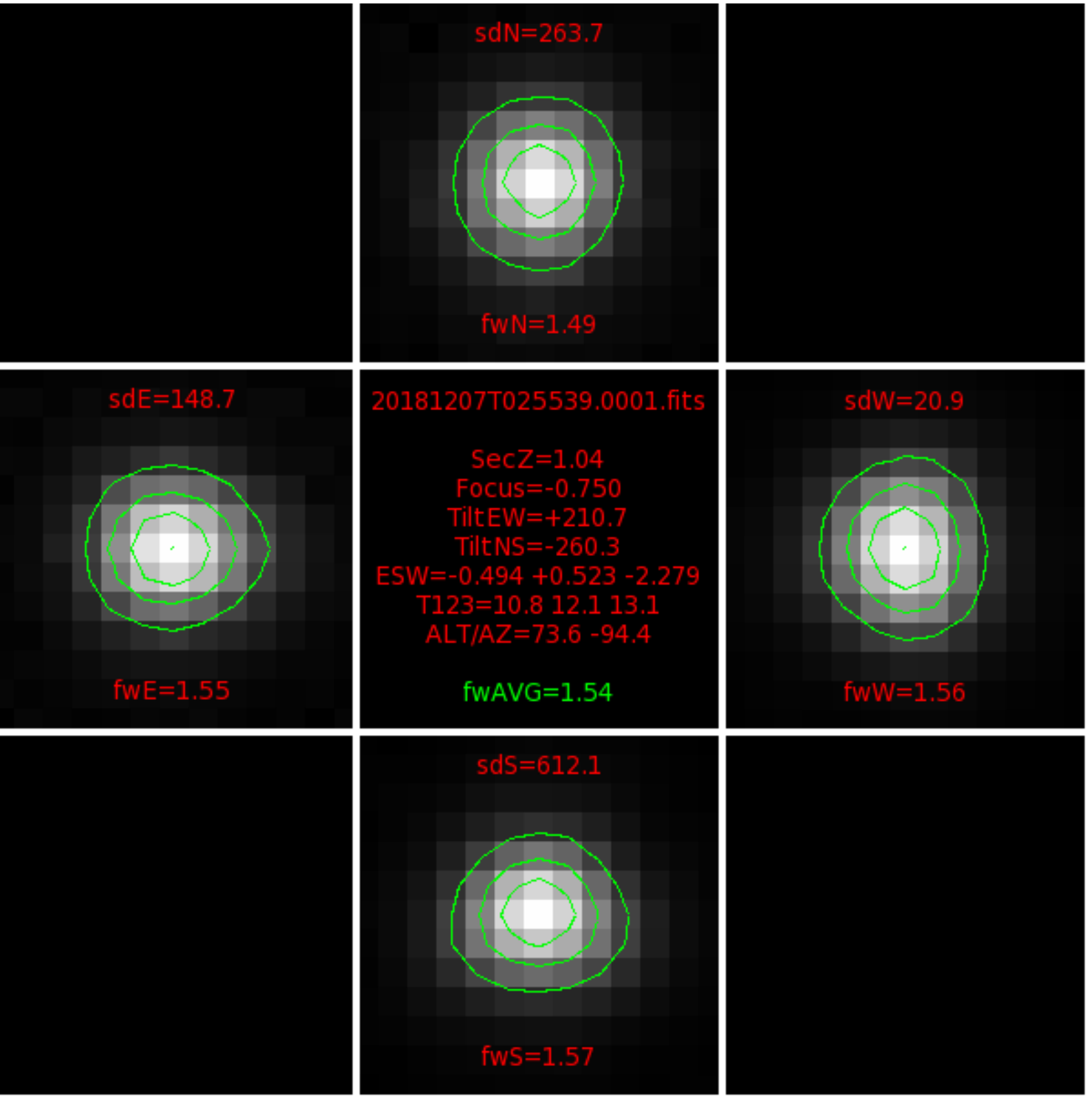
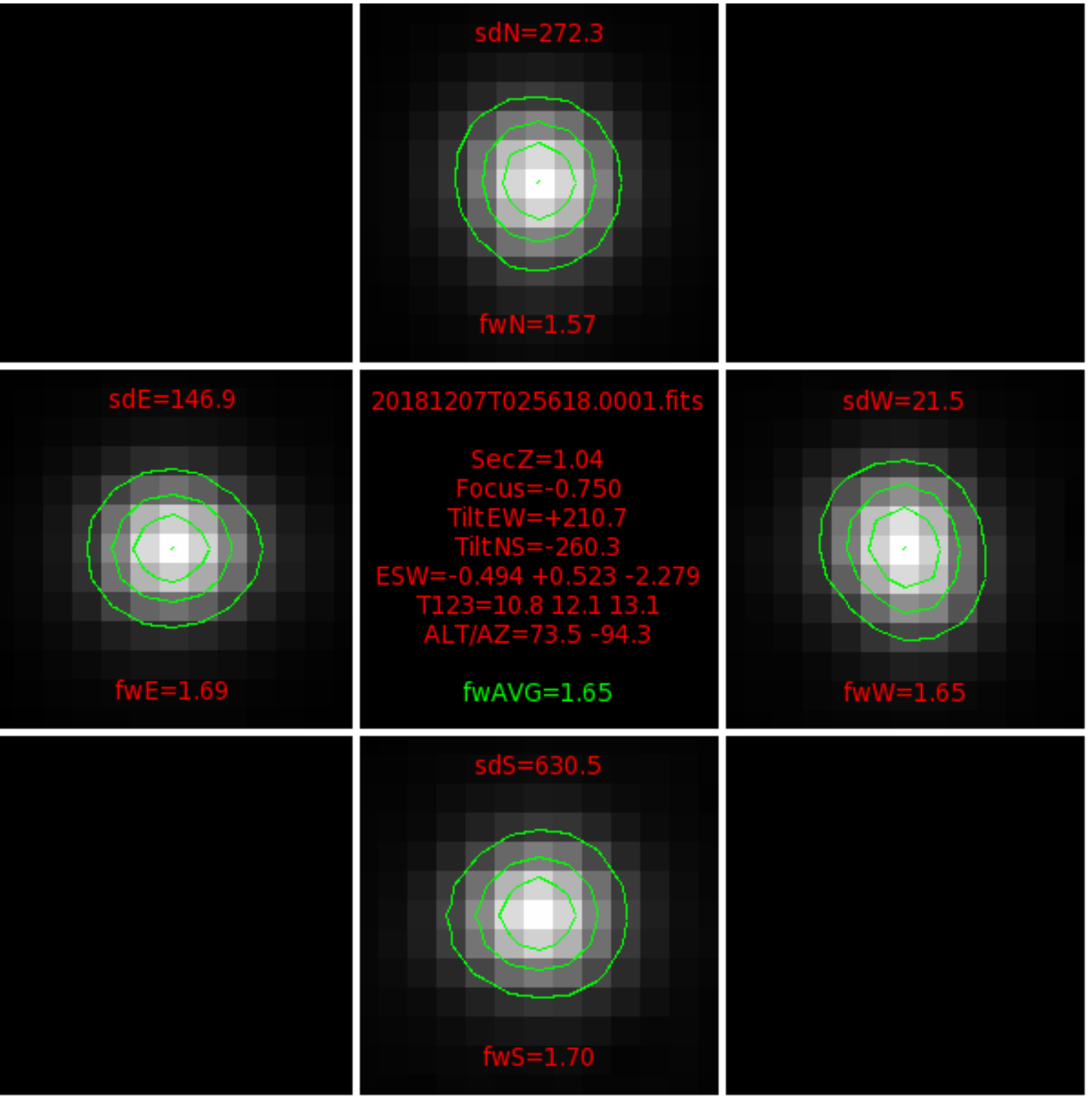

sdN=263.7
fwN=1.49
sdE=148.7
fwE=1.55
20181207T025539.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.8 12.1 13.1
ALT/AZ=73.6 -94.4
fwAVG=1.54
sdW=20.9
fwW=1.56
sdS=612.1
fwS=1.57
0 0 0 0 0 0 0 0 0


sdN=272.3
fwN=1.57
sdE=146.9
fwE=1.69
20181207T025618.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.8 12.1 13.1
ALT/AZ=73.5 -94.3
fwAVG=1.65
sdW=21.5
fwW=1.65
sdS=630.5
fwS=1.70
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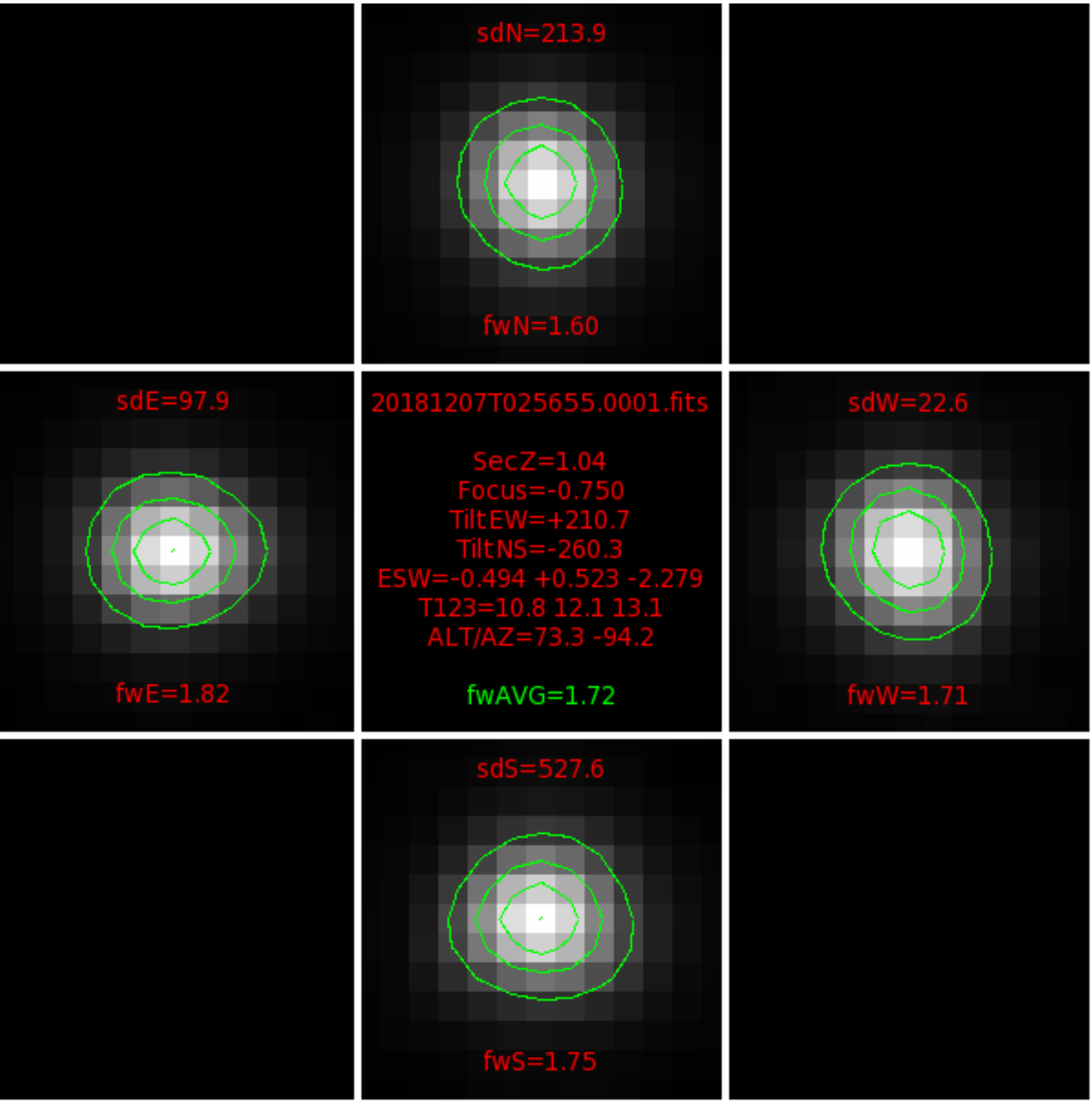
sdN=213.9
fwN=1.60
sdE=97.9
fwE=1.82
20181207T025655.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.8 12.1 13.1
ALT/AZ=73.3 -94.2
fwAVG=1.72
sdW=22.6
fwW=1.71
sdS=527.6
fwS=1.75
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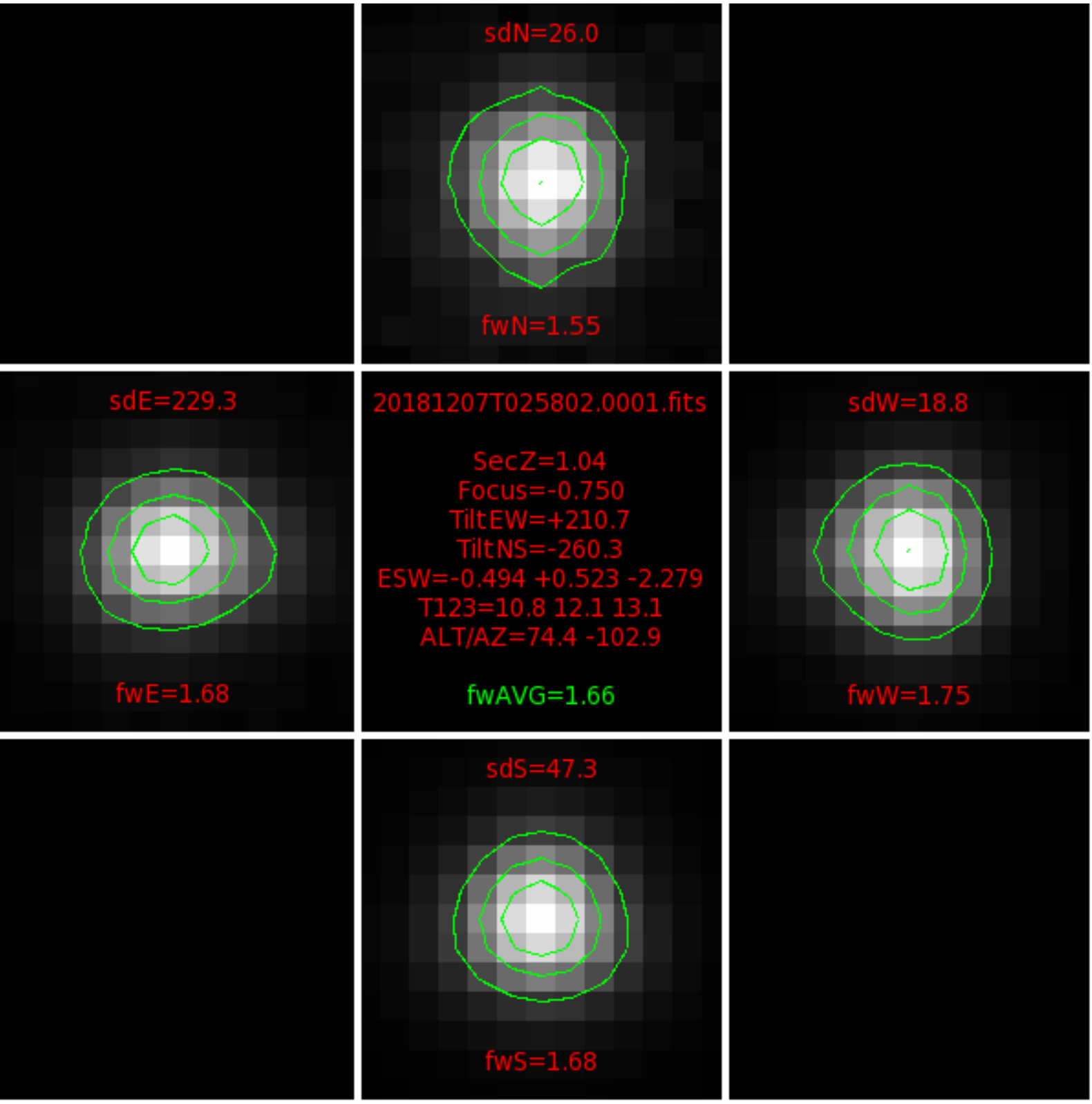
sdN=26.0
fwN=1.55
sdE=229.3
fwE=1.68
20181207T025802.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.8 12.1 13.1
ALT/AZ=74.4 -102.9
fwAVG=1.66
sdW=18.8
fwW=1.75
sdS=47.3
fwS=1.68
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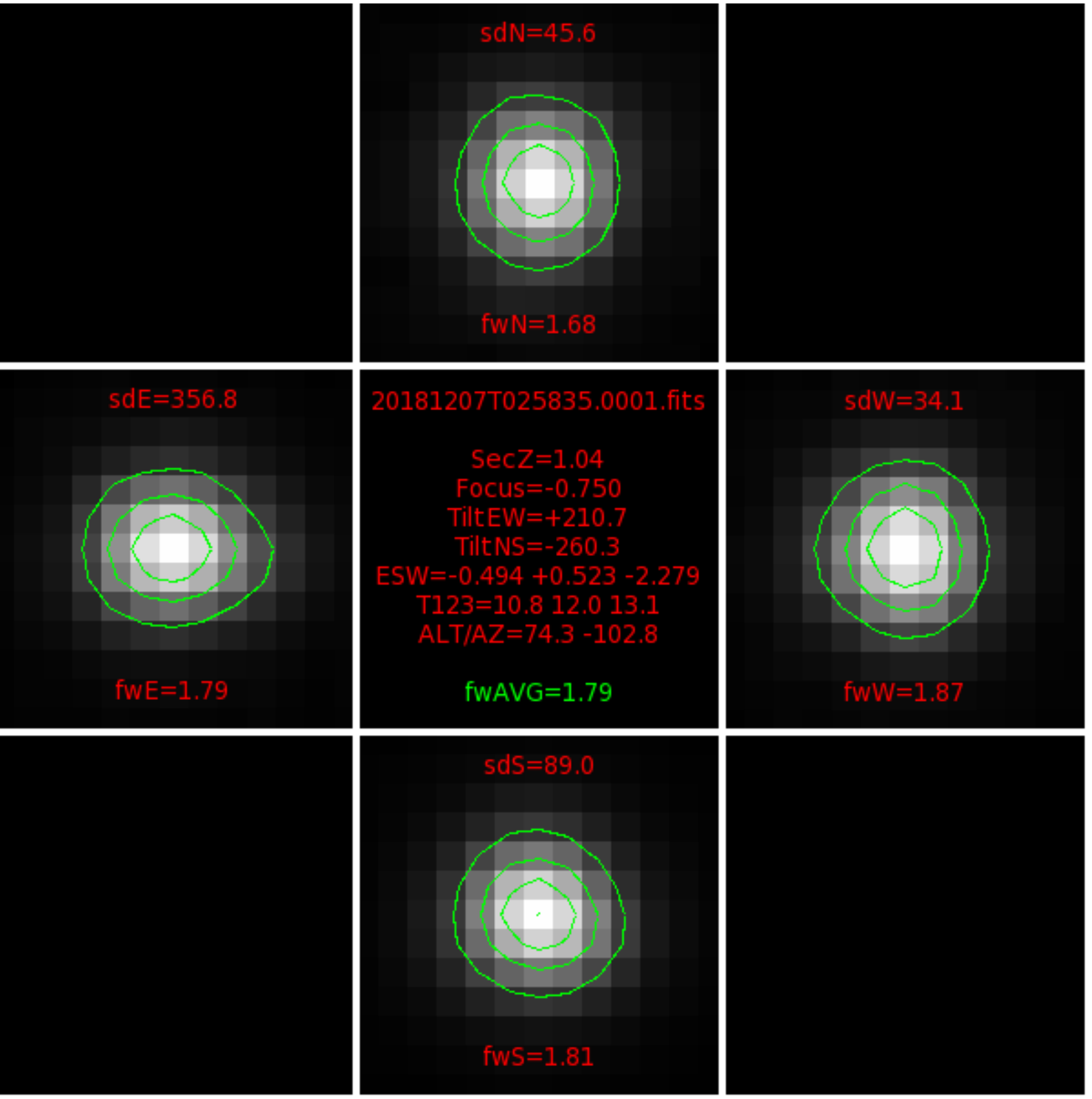
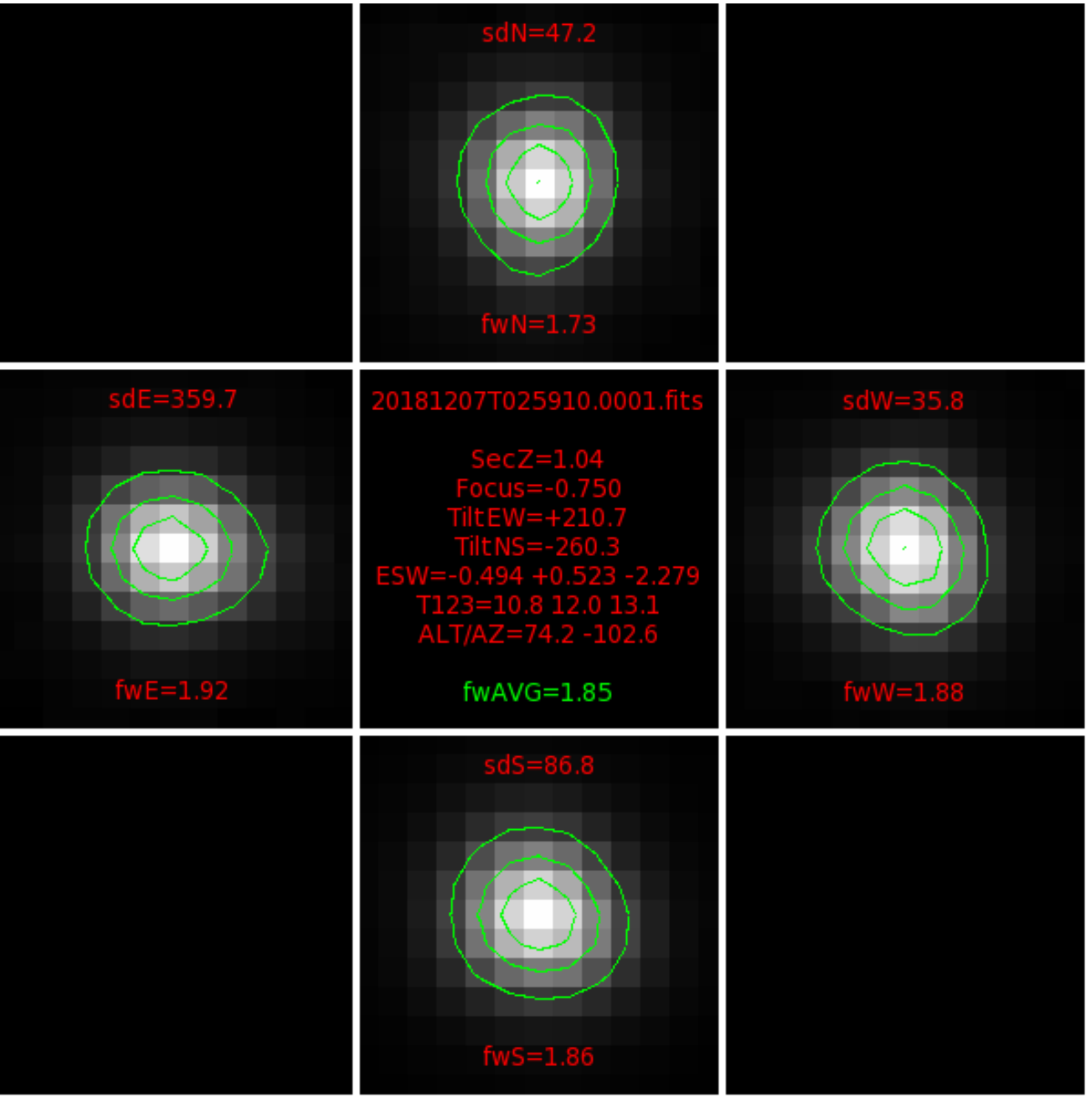

sdN=45.6
fwN=1.68
sdE=356.8
fwE=1.79
20181207T025835.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.8 12.0 13.1
ALT/AZ=74.3 -102.8
fwAVG=1.79
sdW=34.1
fwW=1.87
sdS=89.0
fwS=1.81
0 0 0 0 0 0 0 0 0


sdN=47.2
fwN=1.73
sdE=359.7
fwE=1.92
20181207T025910.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.8 12.0 13.1
ALT/AZ=74.2 -102.6
fwAVG=1.85
sdW=35.8
fwW=1.88
sdS=86.8
fwS=1.86
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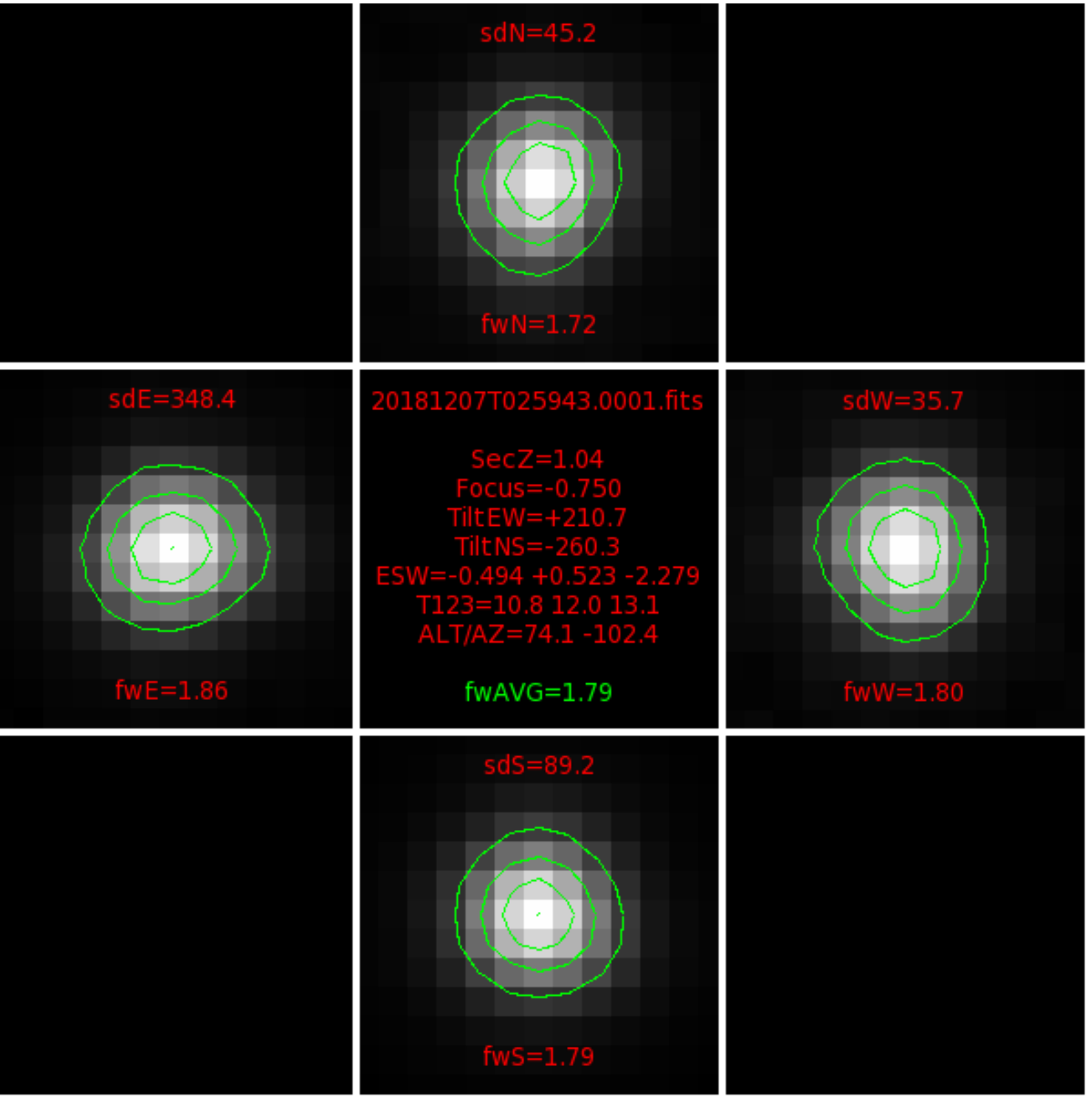
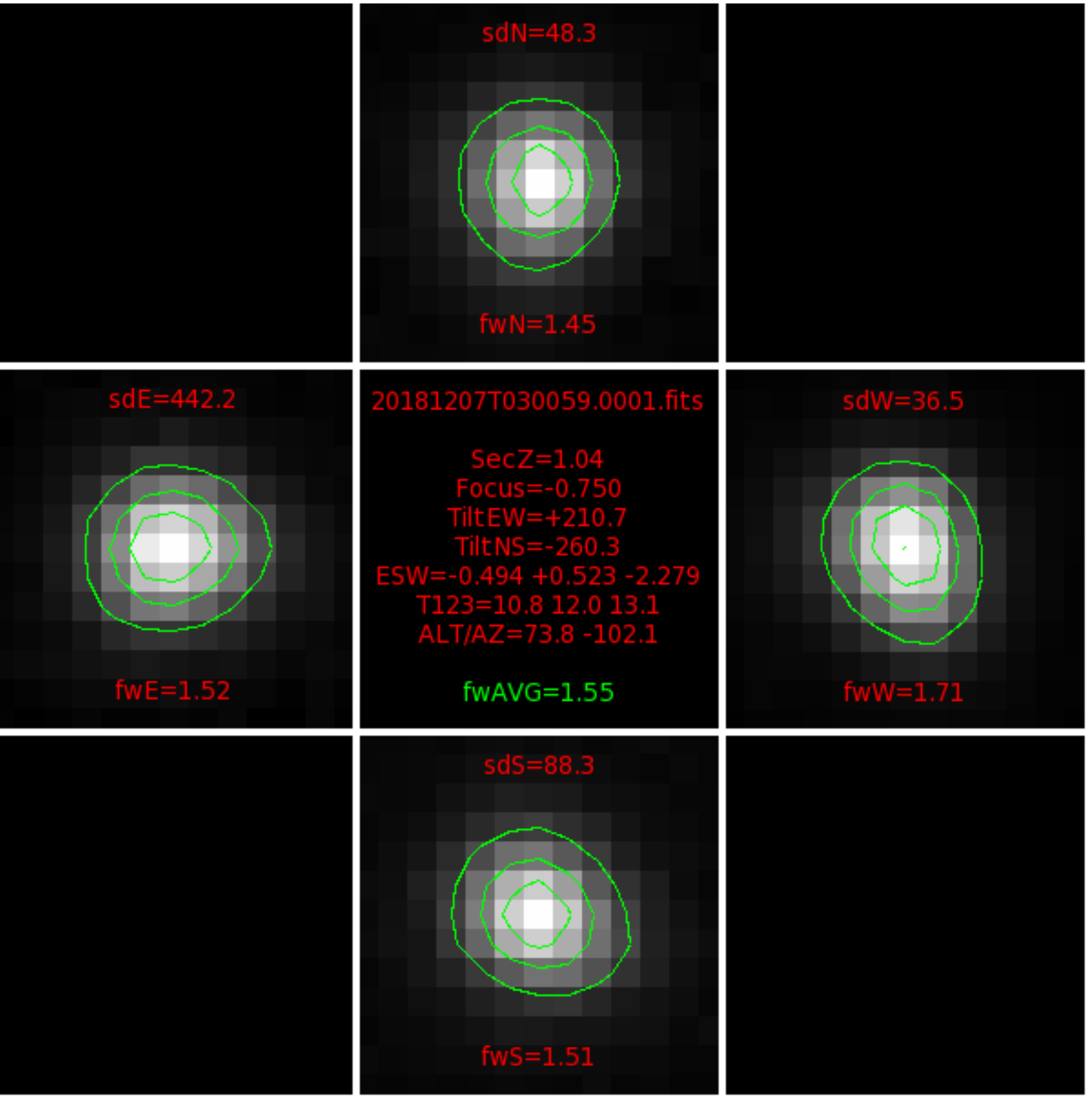

sdN=45.2
fwN=1.72
sdE=348.4
fwE=1.86
20181207T025943.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.8 12.0 13.1
ALT/AZ=74.1 -102.4
fwAVG=1.79
sdW=35.7
fwW=1.80
sdS=89.2
fwS=1.79
0 0 0 0 0 0 0 0 0


sdN=48.3
fwN=1.45
sdE=442.2
fwE=1.52
20181207T030059.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.8 12.0 13.1
ALT/AZ=73.8 -102.1
fwAVG=1.55
sdW=36.5
fwW=1.71
sdS=88.3
fwS=1.51
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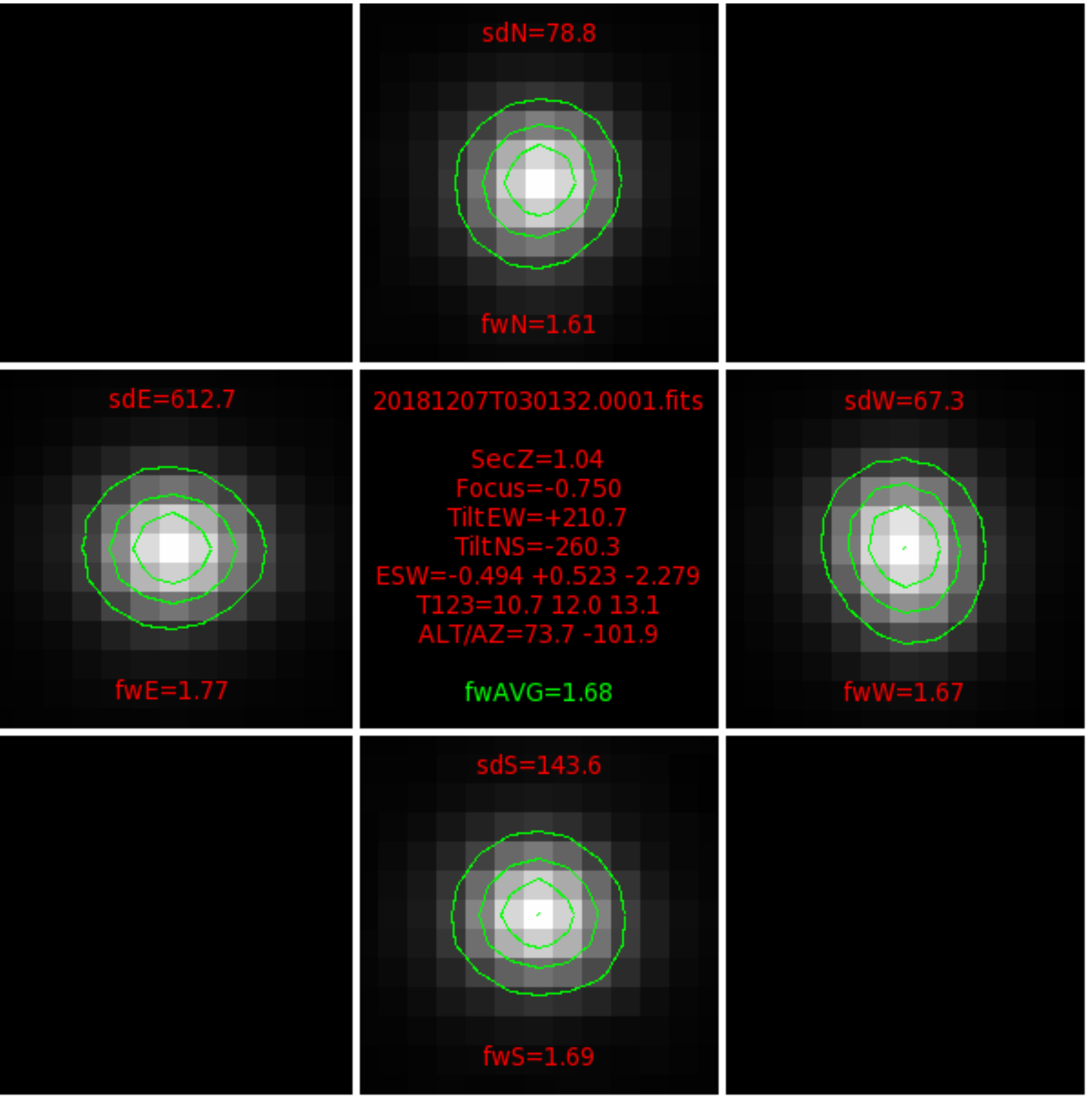
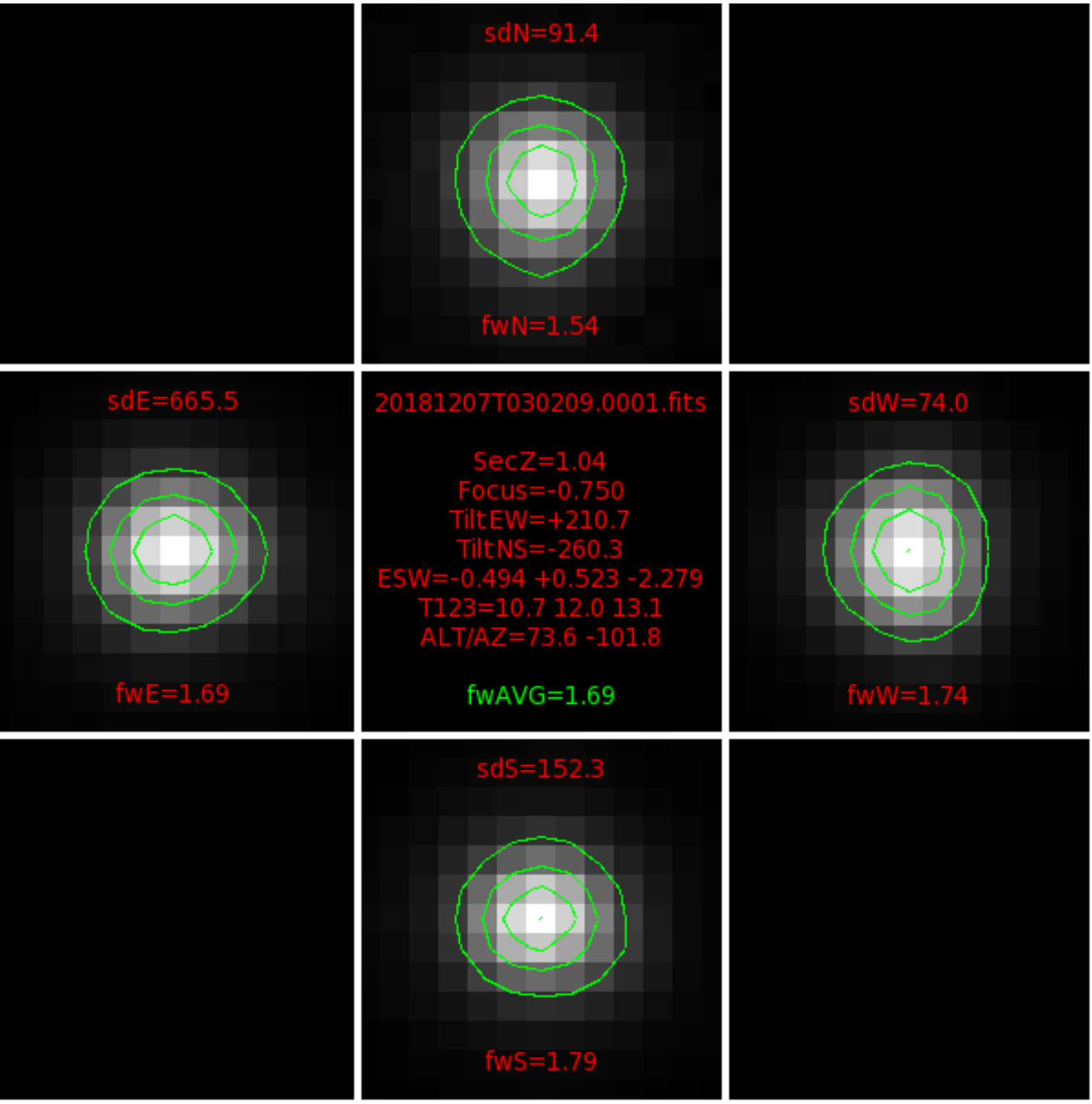

sdN=78.8
fwN=1.61
sdE=612.7
fwE=1.77
20181207T030132.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.7 12.0 13.1
ALT/AZ=73.7 -101.9
fwAVG=1.68
sdW=67.3
fwW=1.67
sdS=143.6
fwS=1.69
0 0 0 0 0 0 0 0 0


sdN=91.4
fwN=1.54
sdE=665.5
fwE=1.69
20181207T030209.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.7 12.0 13.1
ALT/AZ=73.6 -101.8
fwAVG=1.69
sdW=74.0
fwW=1.74
sdS=152.3
fwS=1.79
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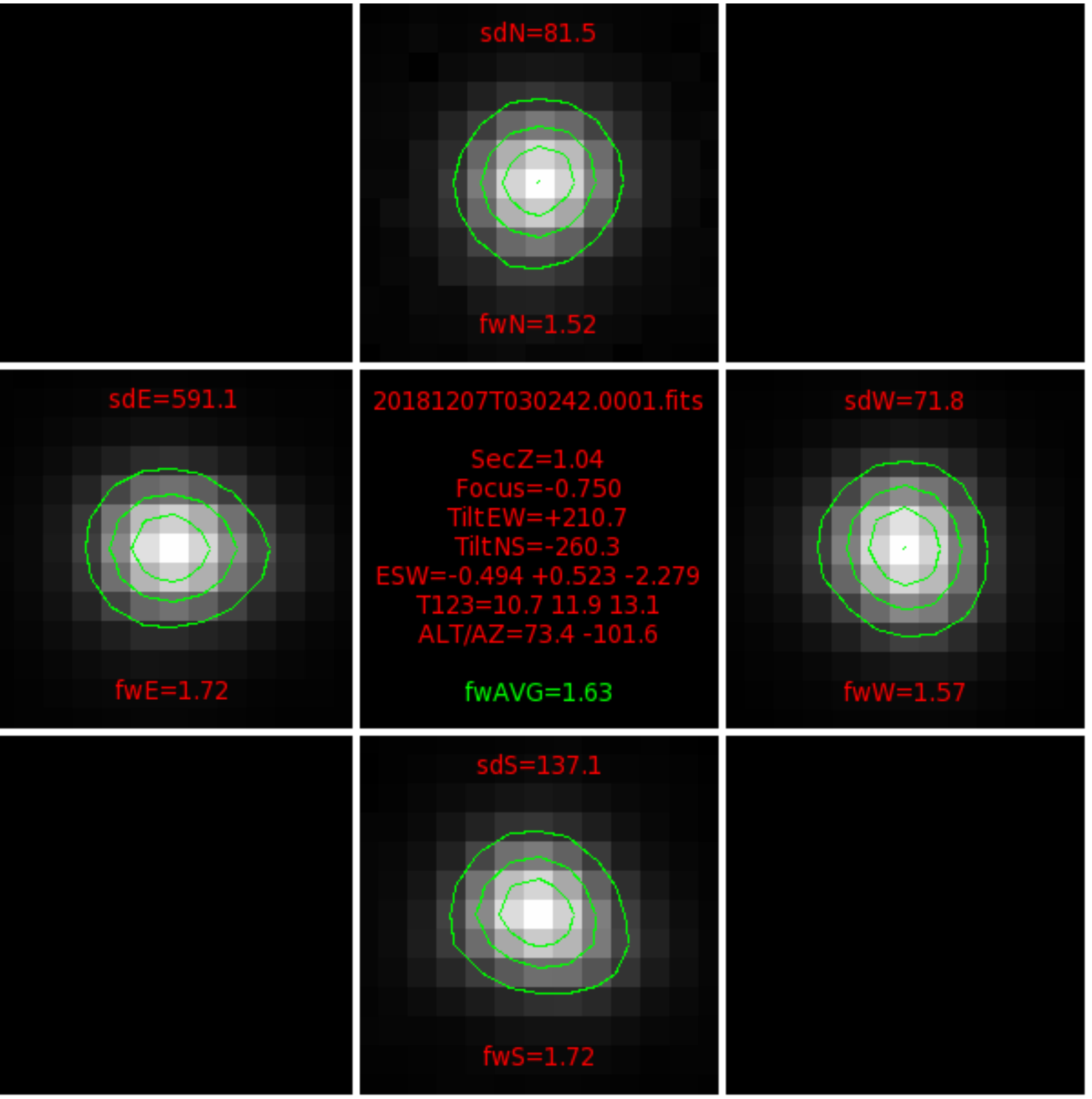
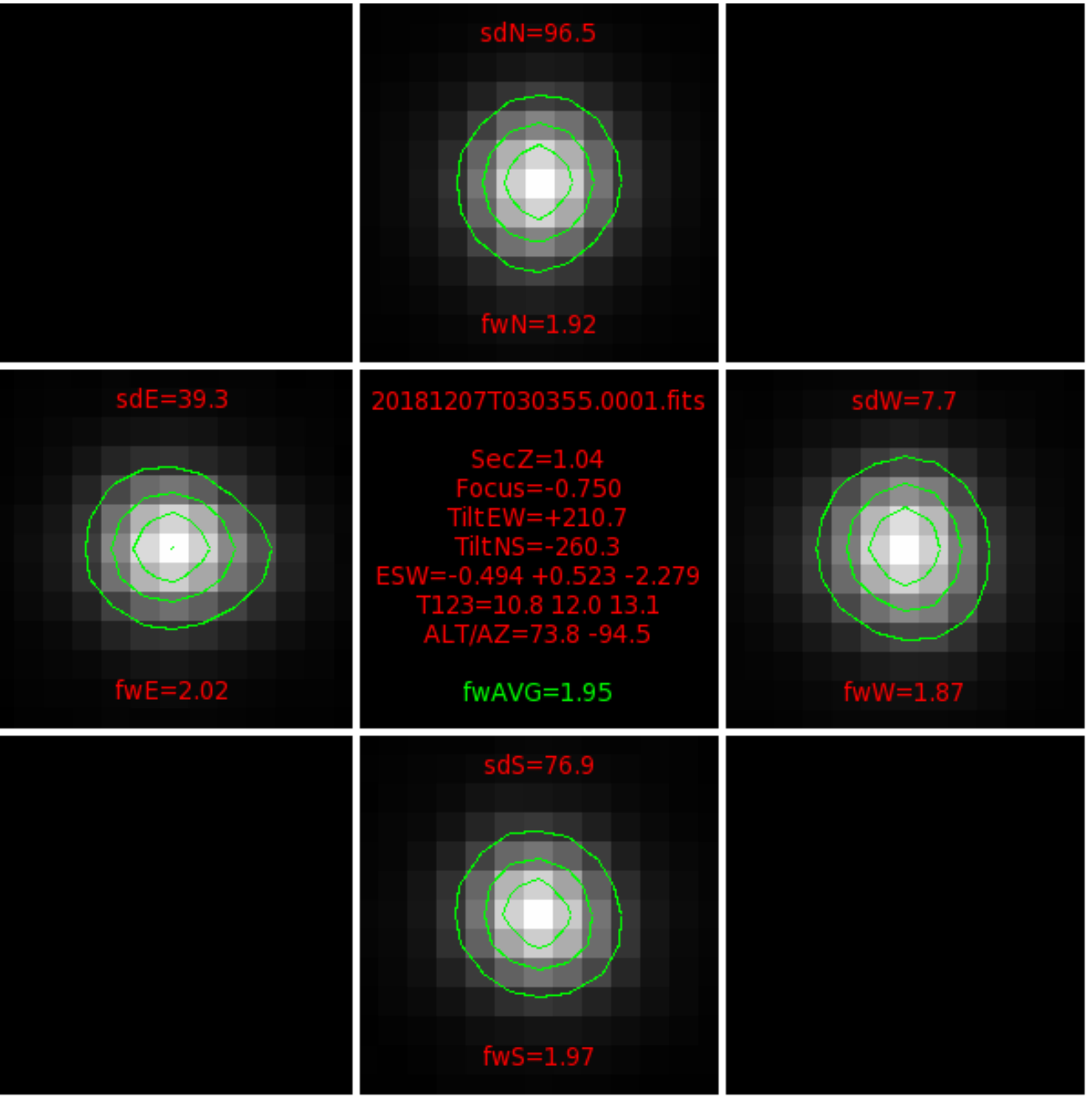

sdN=81.5
fwN=1.52
sdE=591.1
fwE=1.72
20181207T030242.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.7 11.9 13.1
ALT/AZ=73.4 -101.6
fwAVG=1.63
sdW=71.8
fwW=1.57
sdS=137.1
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=96.5
fwN=1.92
sdE=39.3
fwE=2.02
20181207T030355.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.8 12.0 13.1
ALT/AZ=73.8 -94.5
fwAVG=1.95
sdW=7.7
fwW=1.87
sdS=76.9
fwS=1.97
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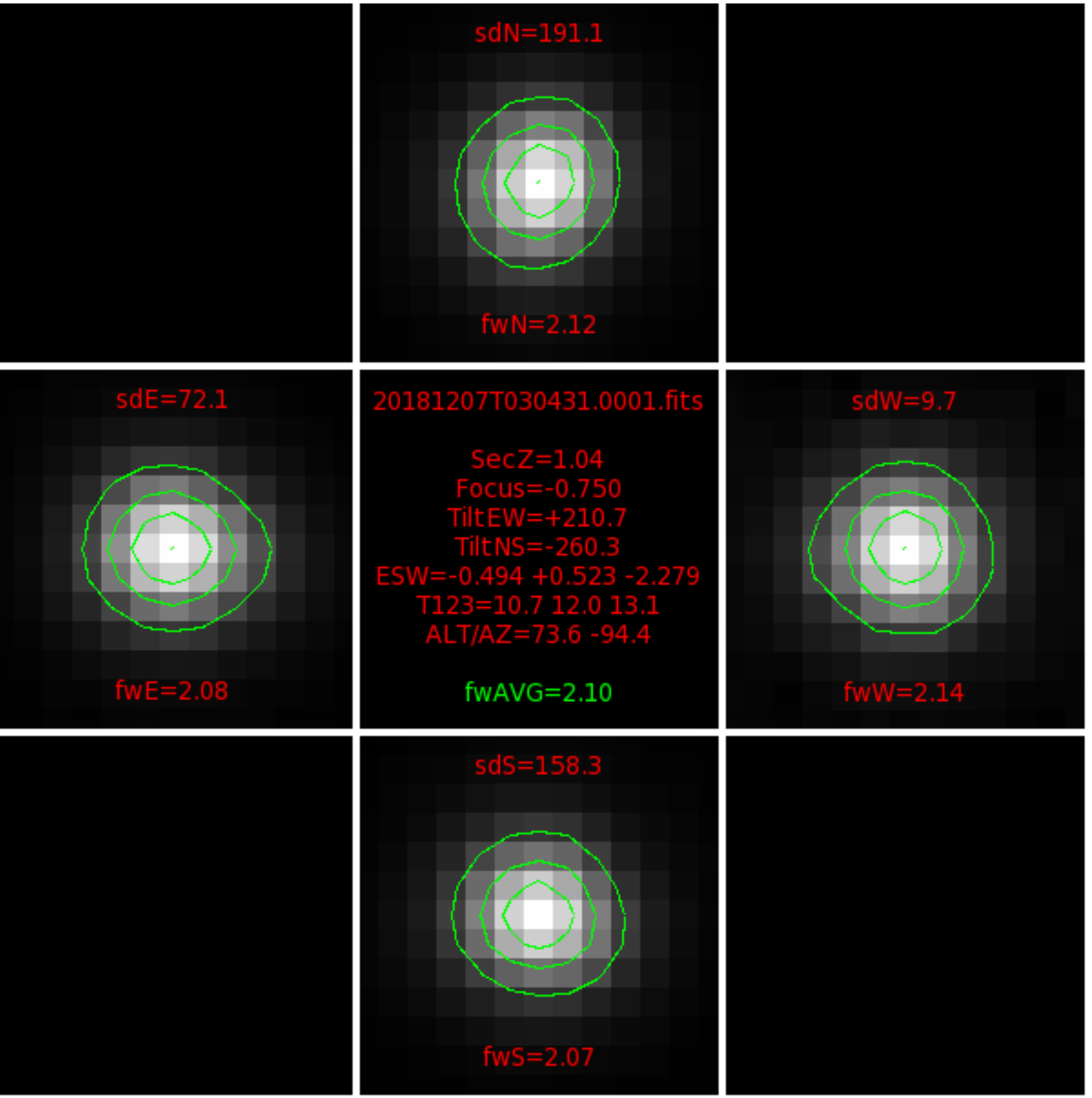
sdN=191.1
fwN=2.12
sdE=72.1
fwE=2.08
20181207T030431.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.7 12.0 13.1
ALT/AZ=73.6 -94.4
fwAVG=2.10
sdW=9.7
fwW=2.14
sdS=158.3
fwS=2.07
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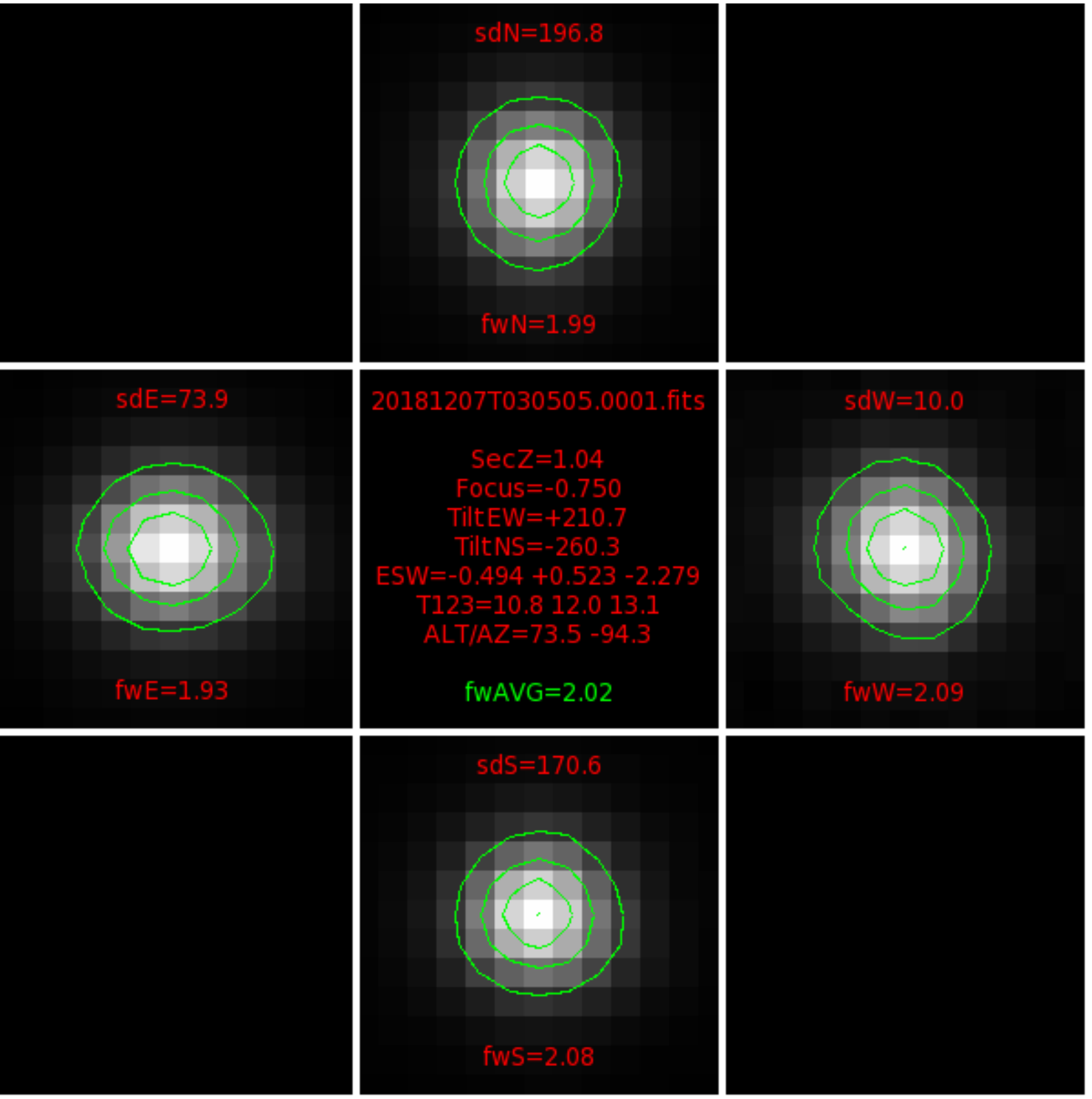
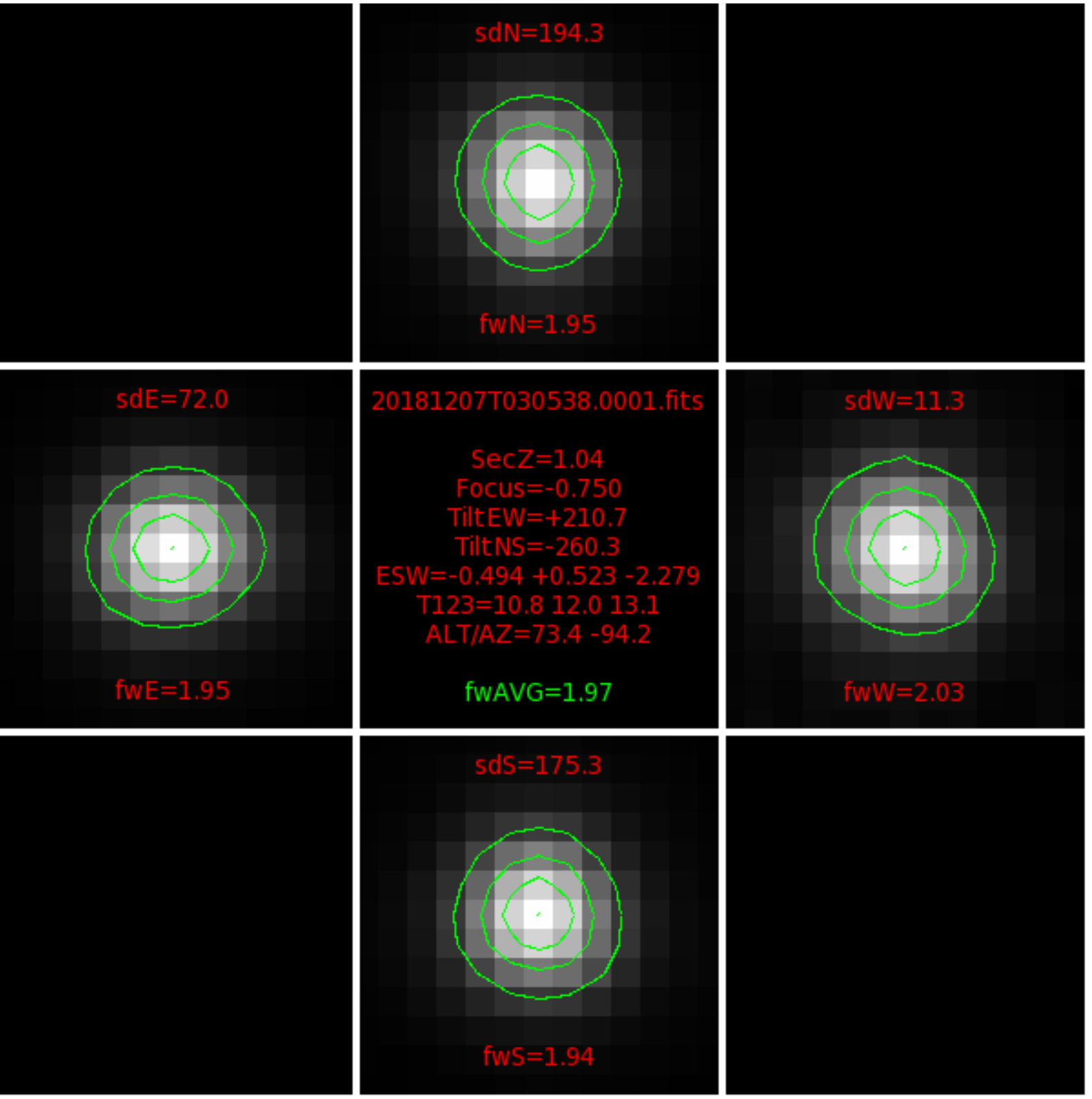

sdN=196.8
fwN=1.99
sdE=73.9
fwE=1.93
20181207T030505.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.8 12.0 13.1
ALT/AZ=73.5 -94.3
fwAVG=2.02
sdW=10.0
fwW=2.09
sdS=170.6
fwS=2.08
0 0 0 0 0 0 0 0 0


sdN=194.3
fwN=1.95
sdE=72.0
fwE=1.95
20181207T030538.0001.fits
SecZ=1.04
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.8 12.0 13.1
ALT/AZ=73.4 -94.2
fwAVG=1.97
sdW=11.3
fwW=2.03
sdS=175.3
fwS=1.94
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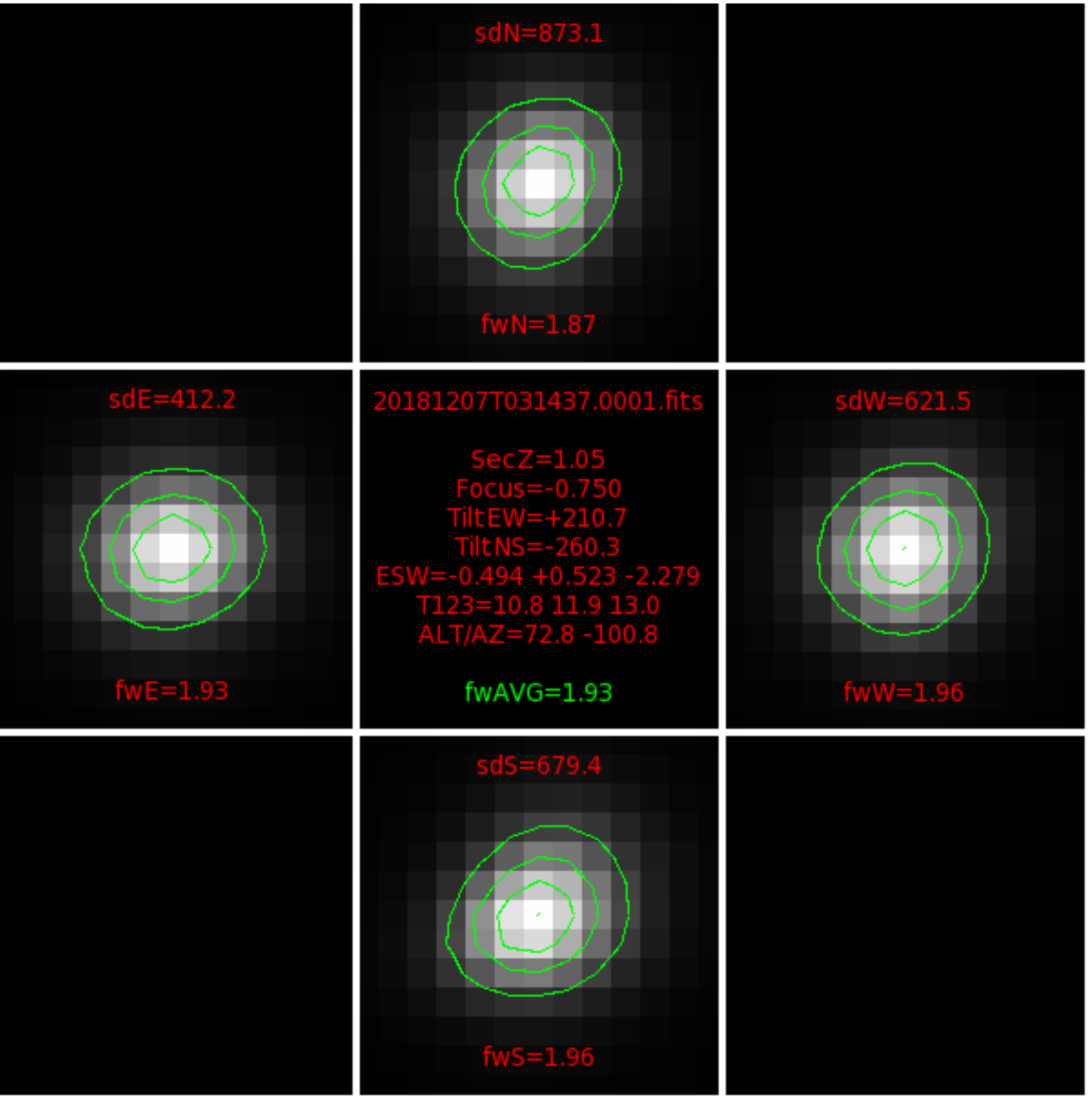
sdN=873.1
fwN=1.87
sdE=412.2
fwE=1.93
20181207T031437.0001.fits
SecZ=1.05
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.8 11.9 13.0
ALT/AZ=72.8 -100.8
fwAVG=1.93
sdW=621.5
fwW=1.96
sdS=679.4
fwS=1.96
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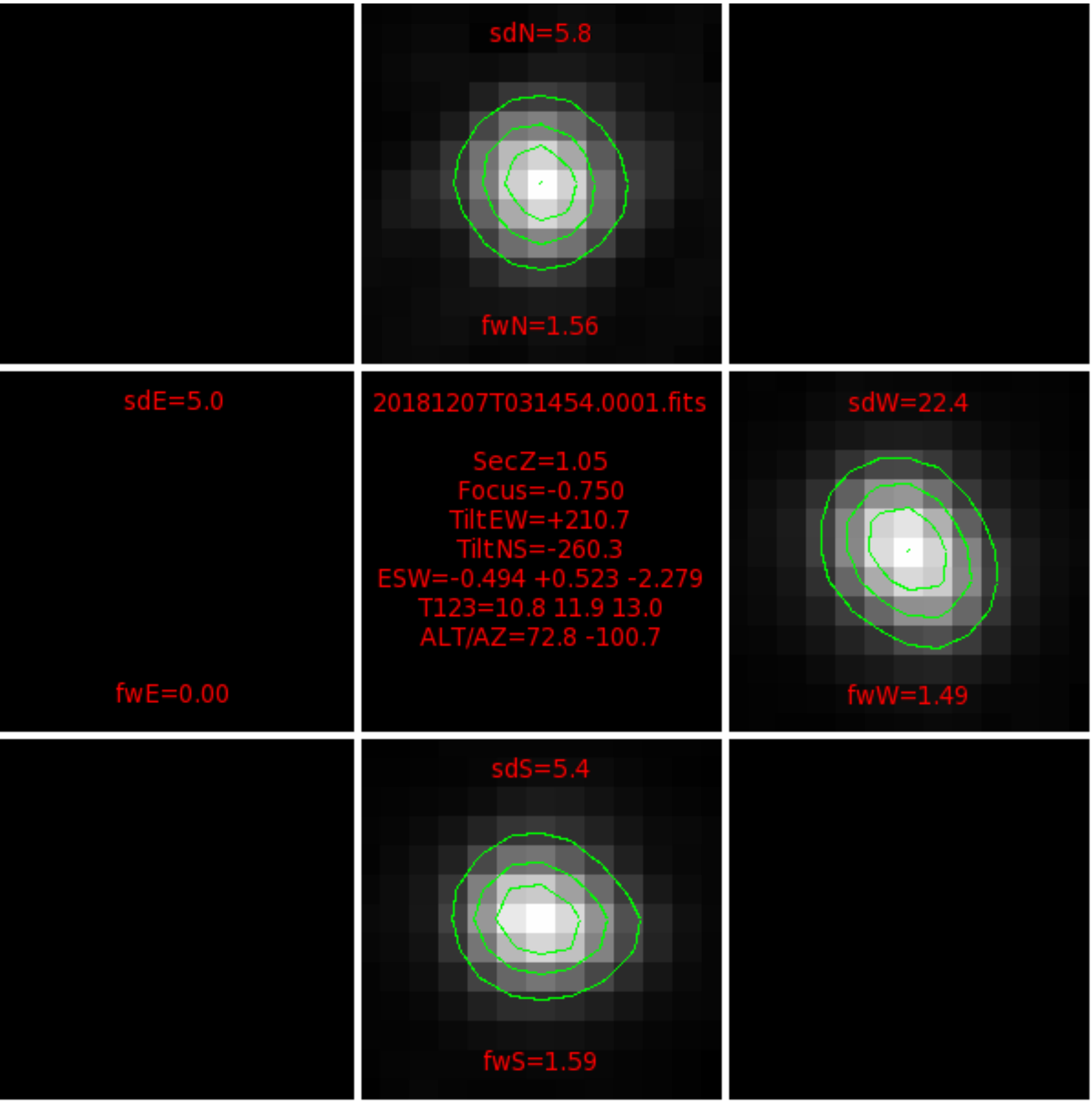
sdN=5.8
fwN=1.56
sdE=5.0
fwE=0.00
20181207T031454.0001.fits
SecZ=1.05
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.8 11.9 13.0
ALT/AZ=72.8 -100.7
sdW=22.4
fwW=1.49
sdS=5.4
fwS=1.59
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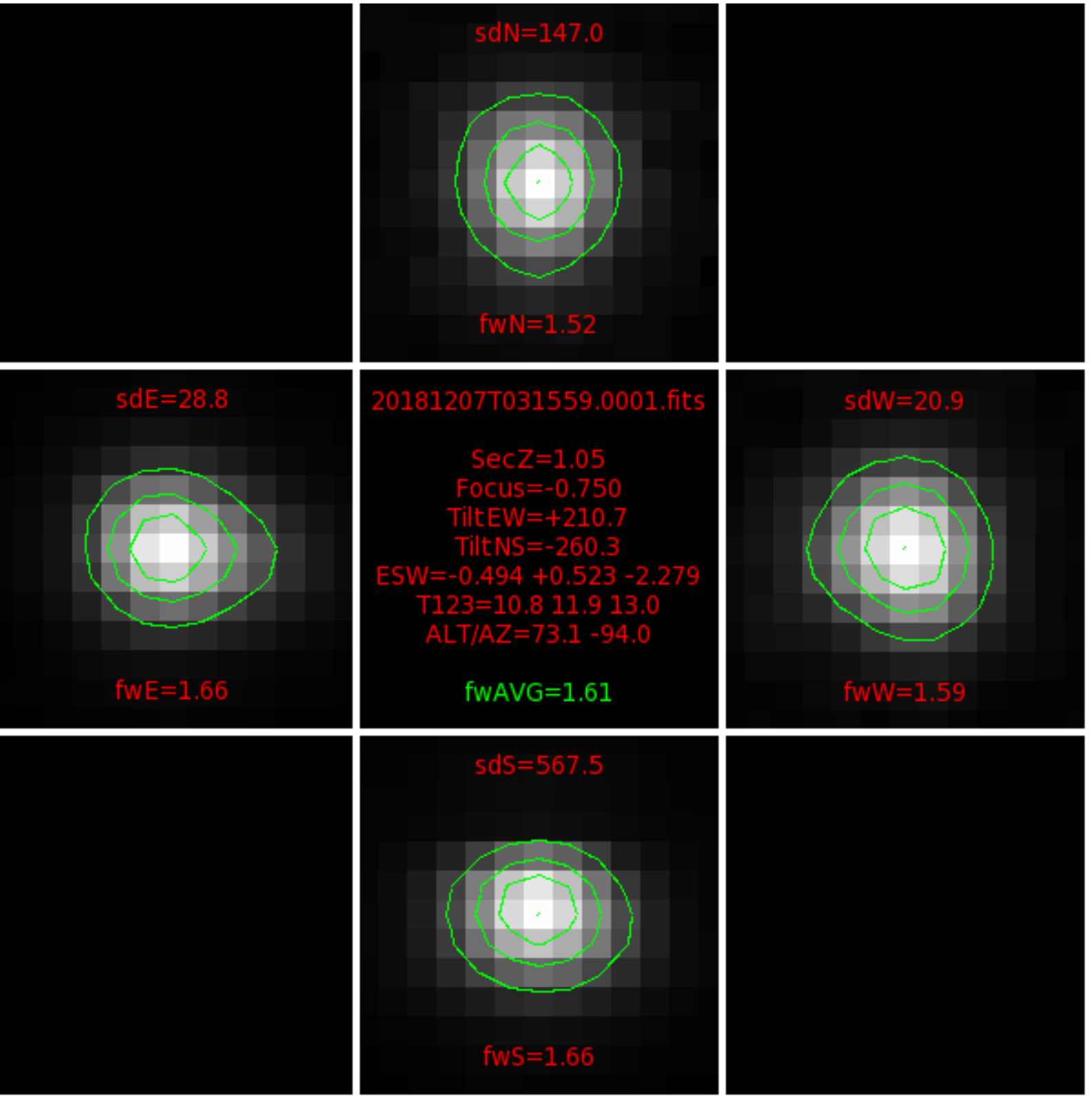
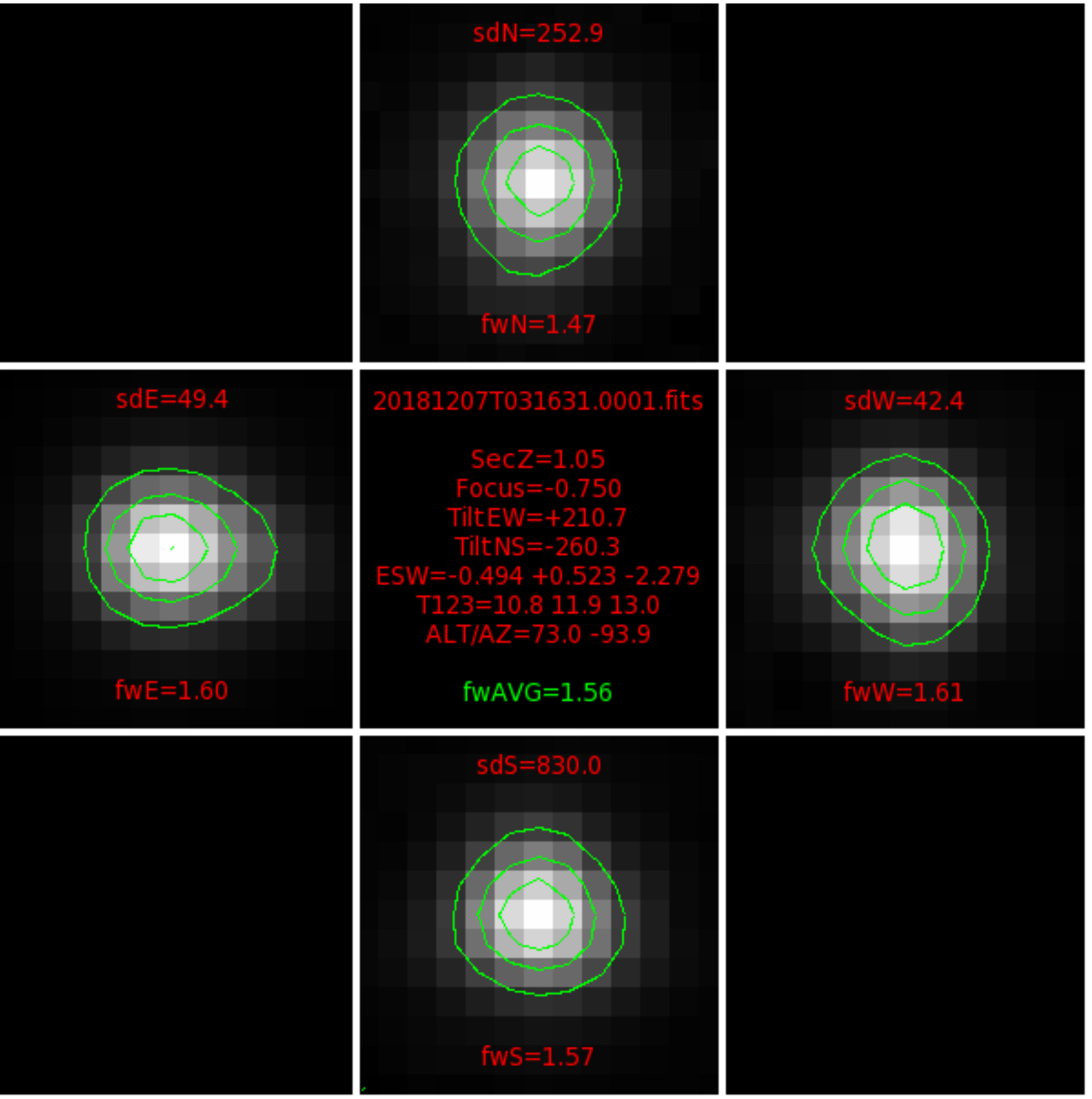
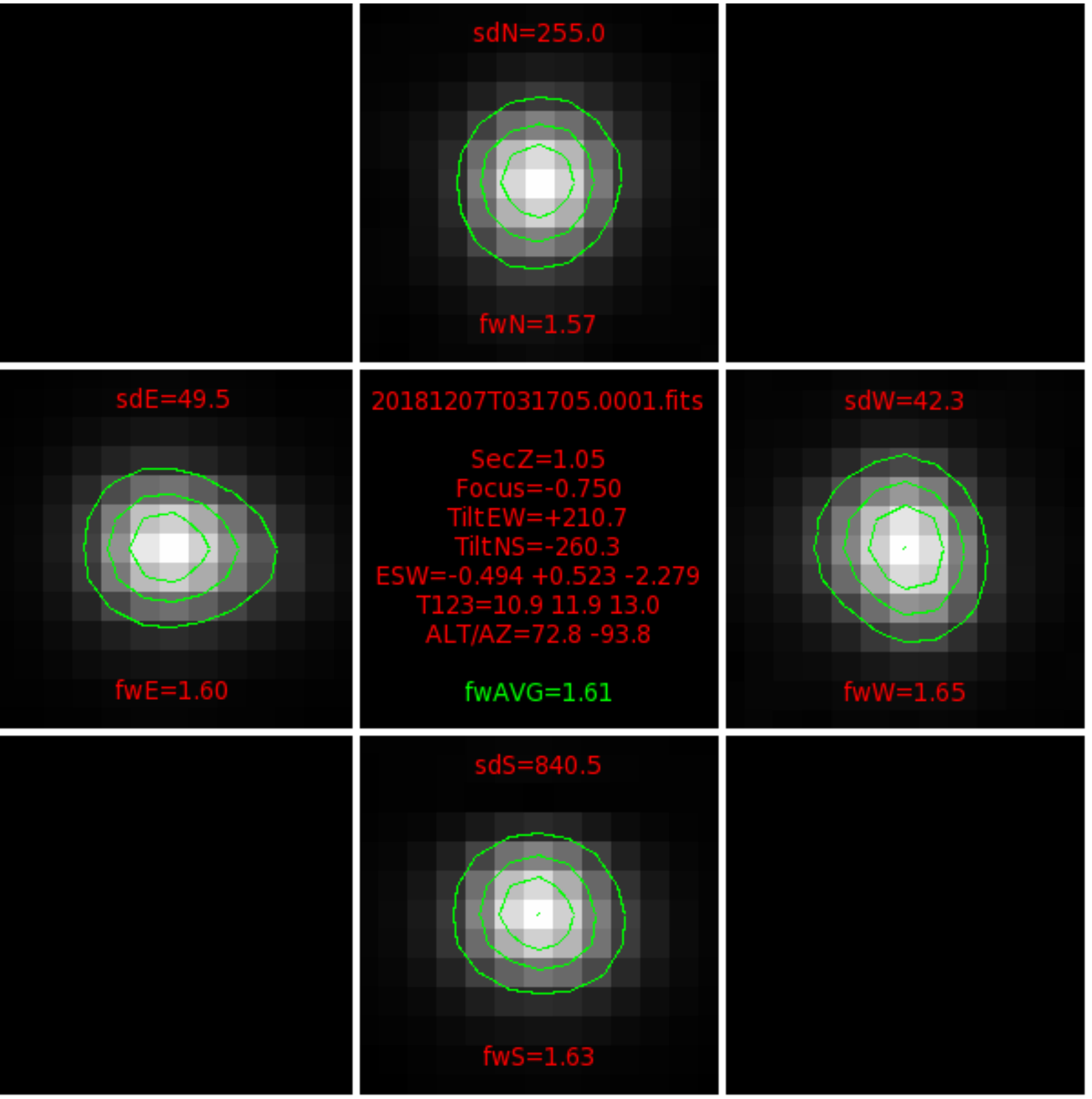

sdN=147.0
fwN=1.52
sdE=28.8
fwE=1.66
20181207T031559.0001.fits
SecZ=1.05
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.8 11.9 13.0
ALT/AZ=73.1 -94.0
fwAVG=1.61
sdW=20.9
fwW=1.59
sdS=567.5
fwS=1.66
0 0 0 0 0 0 0 0 0


sdN=252.9
fwN=1.47
sdE=49.4
fwE=1.60
20181207T031631.0001.fits
SecZ=1.05
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.8 11.9 13.0
ALT/AZ=73.0 -93.9
fwAVG=1.56
sdW=42.4
fwW=1.61
sdS=830.0
fwS=1.57
0 0 0 0 0 0 0 0 0


sdN=255.0
fwN=1.57
sdE=49.5
fwE=1.60
20181207T031705.0001.fits
SecZ=1.05
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.9 11.9 13.0
ALT/AZ=72.8 -93.8
fwAVG=1.61
sdW=42.3
fwW=1.65
sdS=840.5
fwS=1.63
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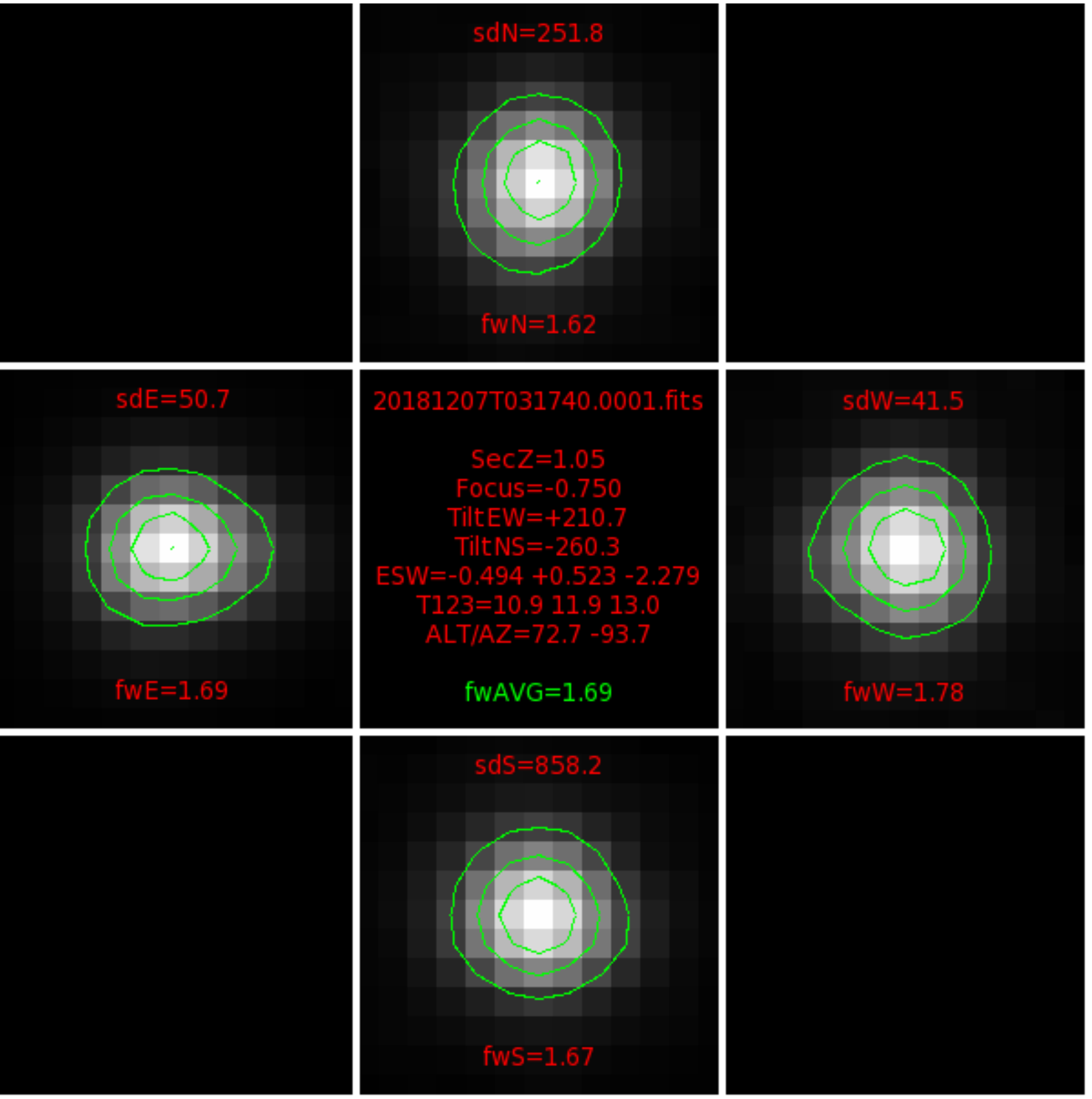
sdN=251.8
fwN=1.62
sdE=50.7
fwE=1.69
20181207T031740.0001.fits
SecZ=1.05
Focus=-0.750
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.494 +0.523 -2.279
T123=10.9 11.9 13.0
ALT/AZ=72.7 -93.7
fwAVG=1.69
sdW=41.5
fwW=1.78
sdS=858.2
fwS=1.67
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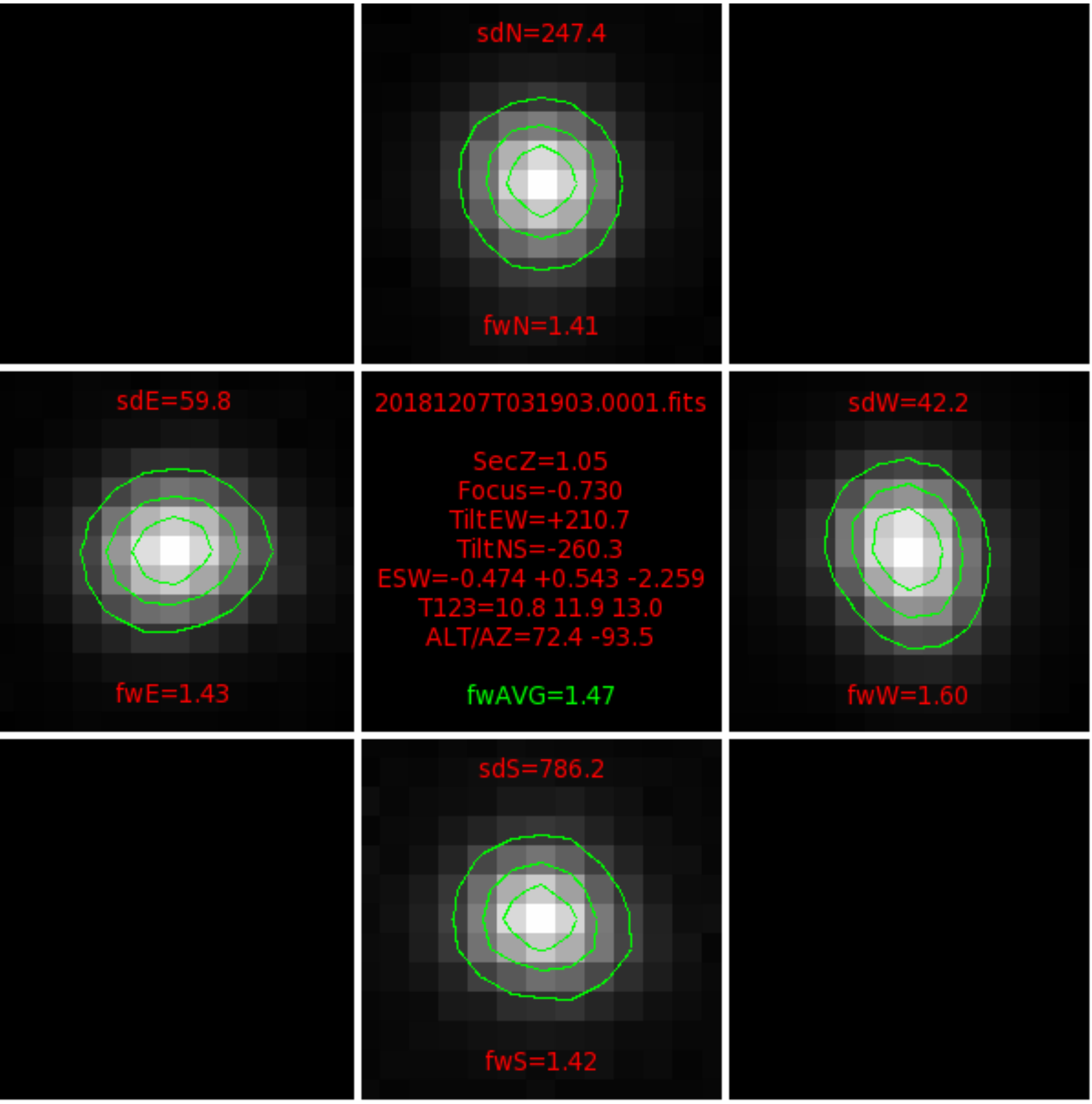
sdN=247.4
fwN=1.41
sdE=59.8
fwE=1.43
20181207T031903.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 11.9 13.0
ALT/AZ=72.4 -93.5
fwAVG=1.47
sdW=42.2
fwW=1.60
sdS=786.2
fwS=1.42
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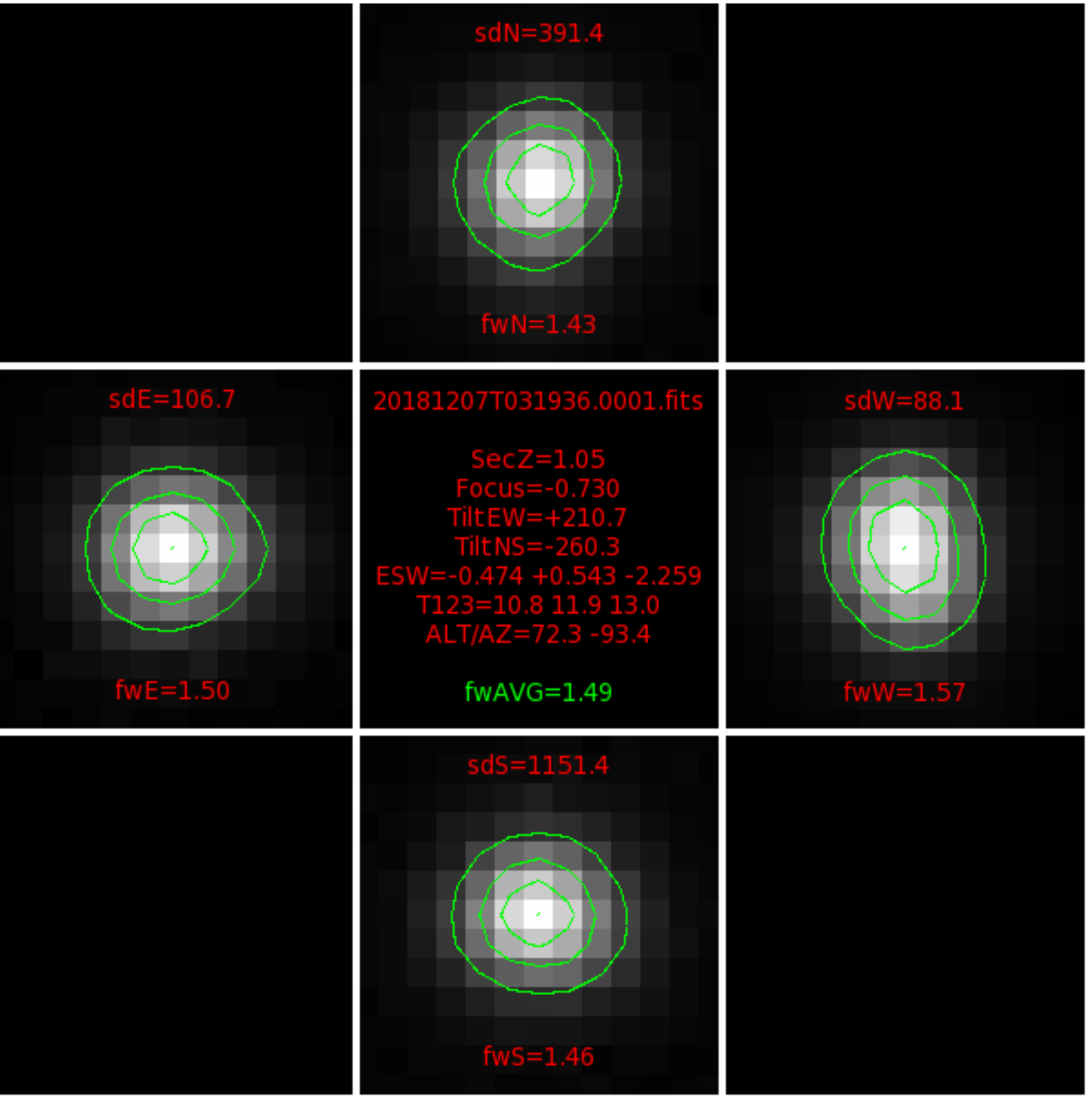
sdN=391.4
fwN=1.43
sdE=106.7
fwE=1.50
20181207T031936.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 11.9 13.0
ALT/AZ=72.3 -93.4
fwAVG=1.49
sdW=88.1
fwW=1.57
sdS=1151.4
fwS=1.46
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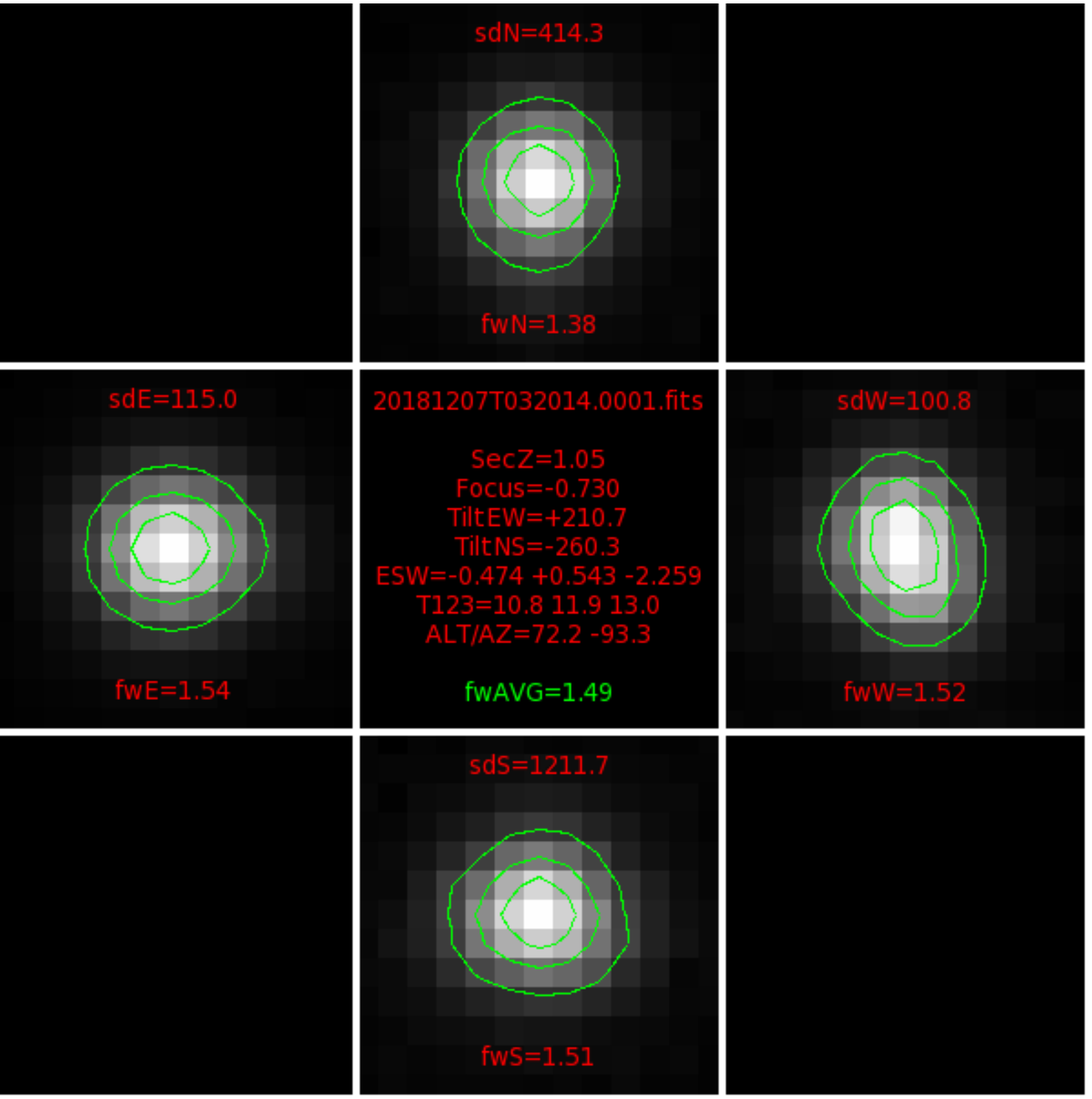
sdN=414.3
fwN=1.38
sdE=115.0
fwE=1.54
20181207T032014.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 11.9 13.0
ALT/AZ=72.2 -93.3
fwAVG=1.49
sdW=100.8
fwW=1.52
sdS=1211.7
fwS=1.51
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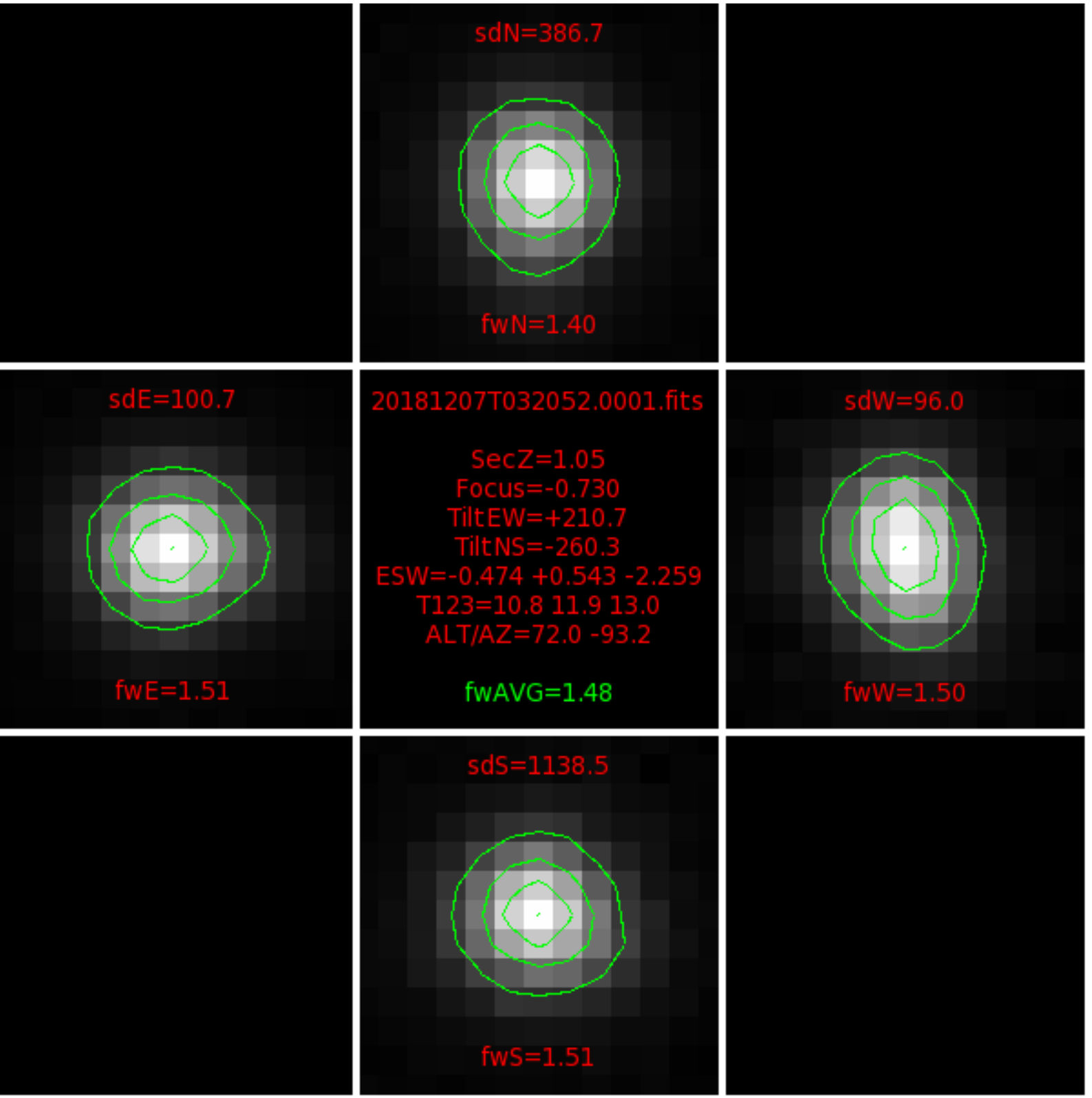
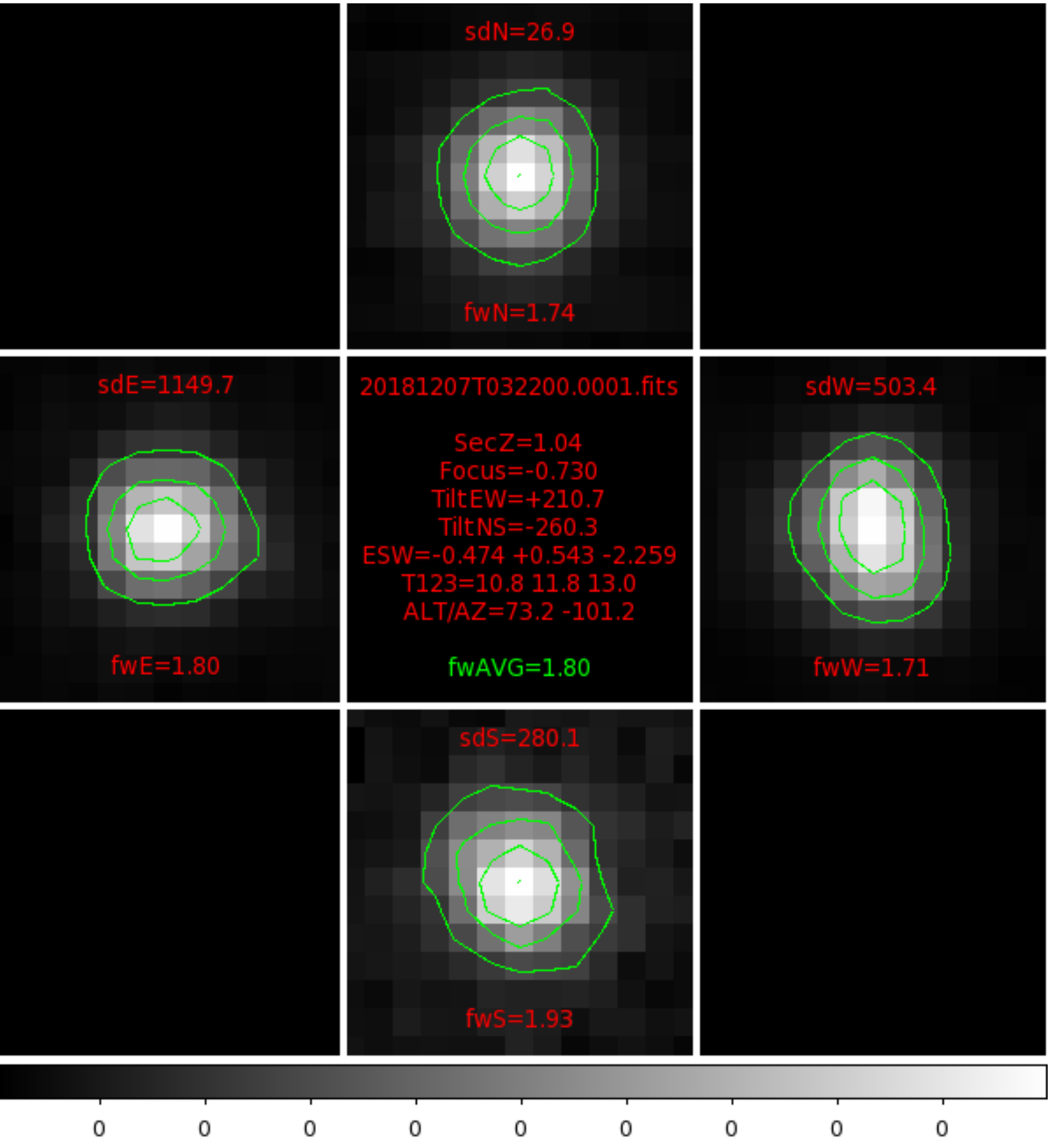

sdN=386.7
fwN=1.40
sdE=100.7
fwE=1.51
20181207T032052.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 11.9 13.0
ALT/AZ=72.0 -93.2
fwAVG=1.48
sdW=96.0
fwW=1.50
sdS=1138.5
fwS=1.51
0 0 0 0 0 0 0 0 0


sdN=26.9
fwN=1.74
sdE=1149.7
fwE=1.80
20181207T032200.0001.fits
SecZ=1.04
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 11.8 13.0
ALT/AZ=73.2 -101.2
fwAVG=1.80
sdW=503.4
fwW=1.71
sdS=280.1
fwS=1.93
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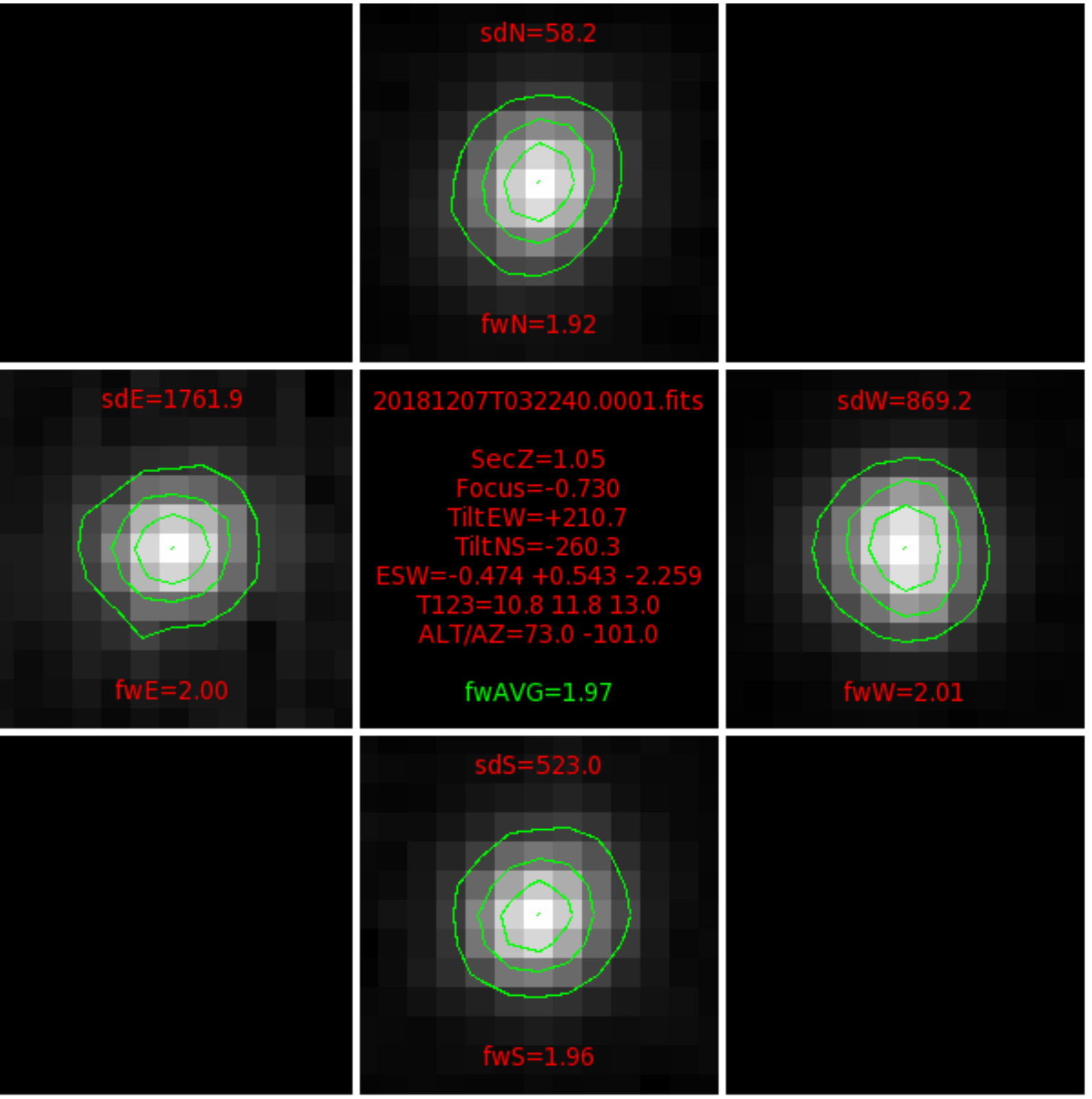
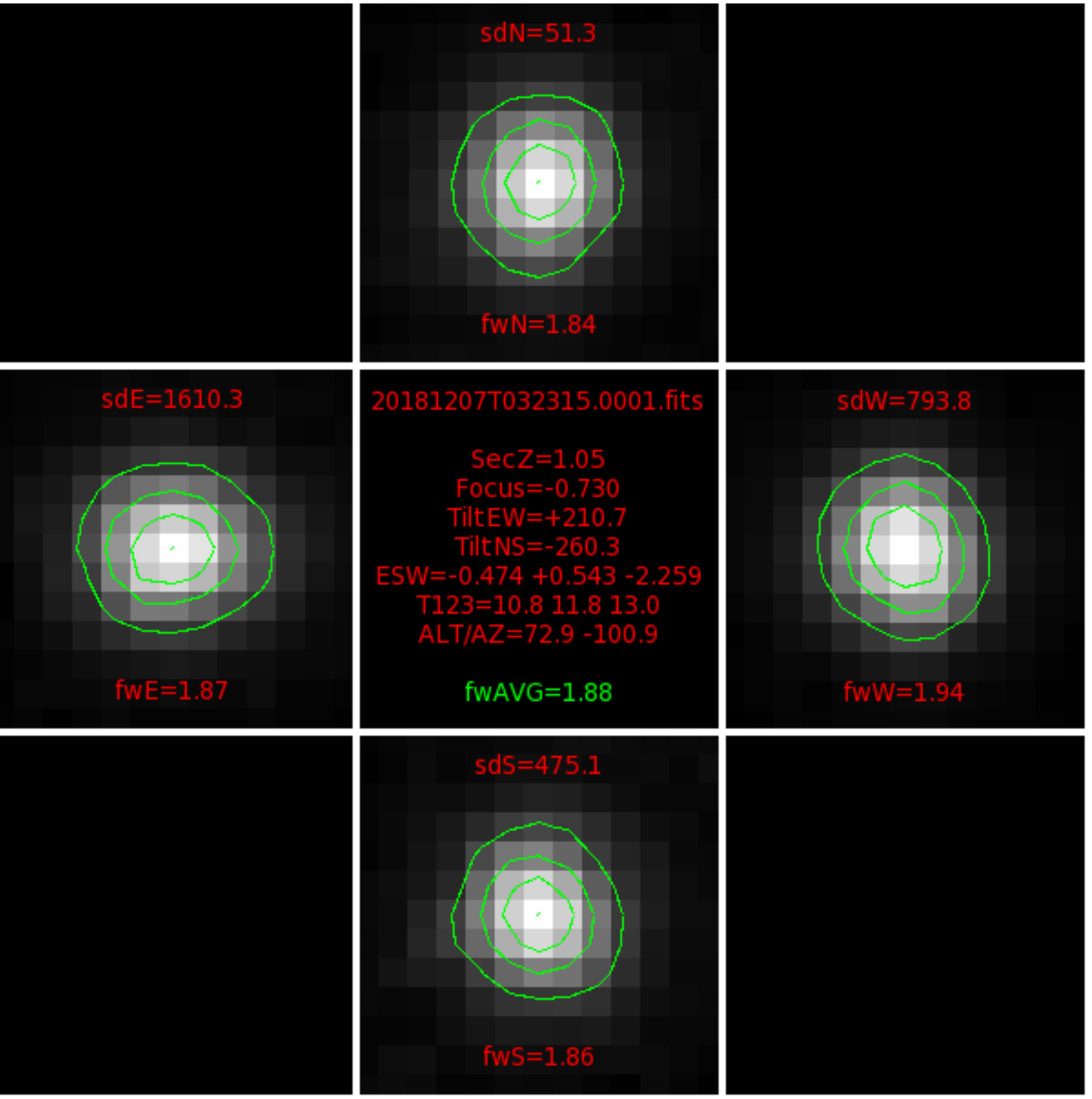

sdN=58.2
fwN=1.92
sdE=1761.9
fwE=2.00
20181207T032240.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 11.8 13.0
ALT/AZ=73.0 -101.0
fwAVG=1.97
sdW=869.2
fwW=2.01
sdS=523.0
fwS=1.96
0 0 0 0 0 0 0 0 0


sdN=51.3
fwN=1.84
sdE=1610.3
fwE=1.87
20181207T032315.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 11.8 13.0
ALT/AZ=72.9 -100.9
fwAVG=1.88
sdW=793.8
fwW=1.94
sdS=475.1
fwS=1.86
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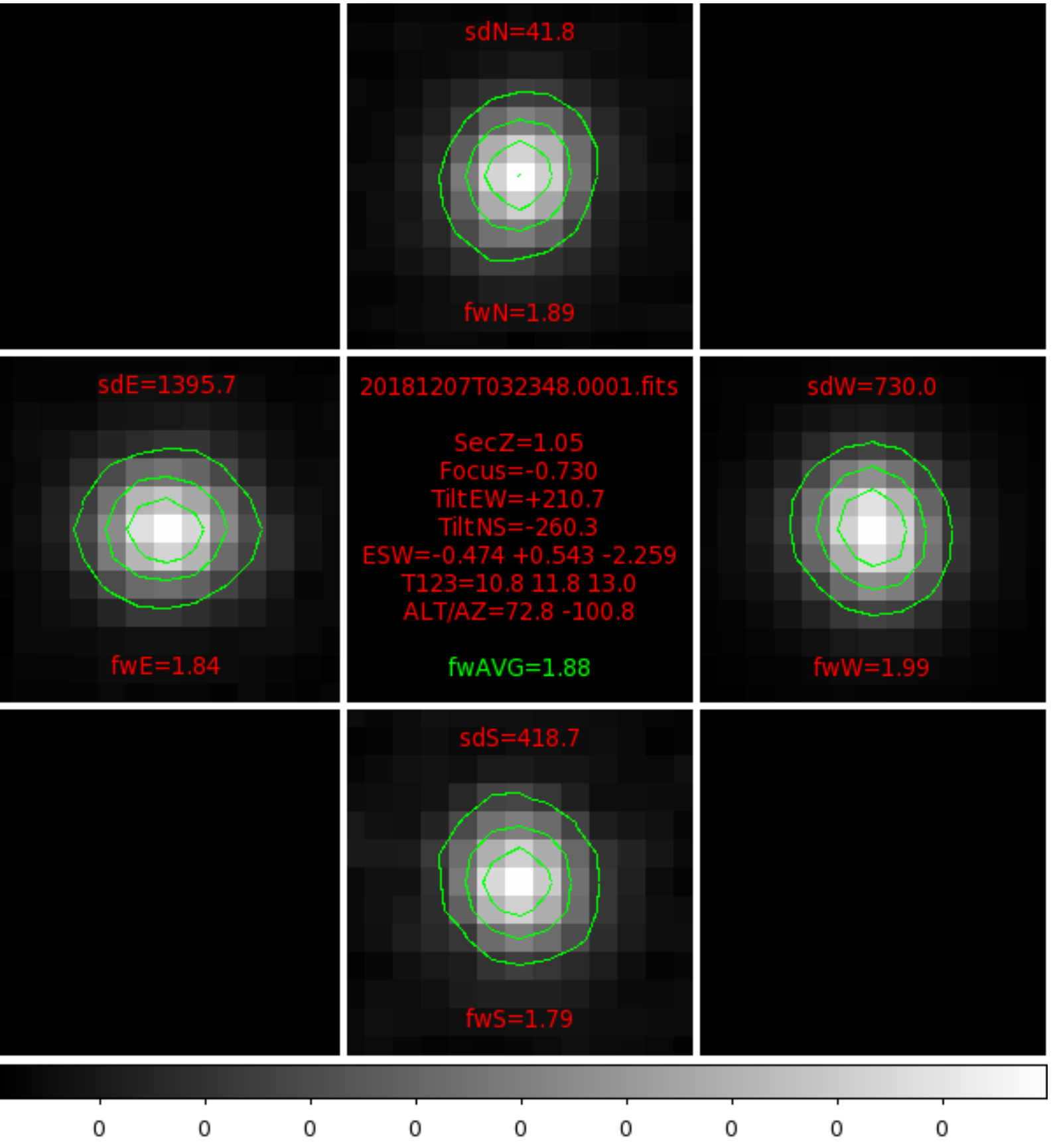
sdN=41.8
fwN=1.89
sdE=1395.7
fwE=1.84
20181207T032348.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 11.8 13.0
ALT/AZ=72.8 -100.8
fwAVG=1.88
sdW=730.0
fwW=1.99
sdS=418.7
fwS=1.79
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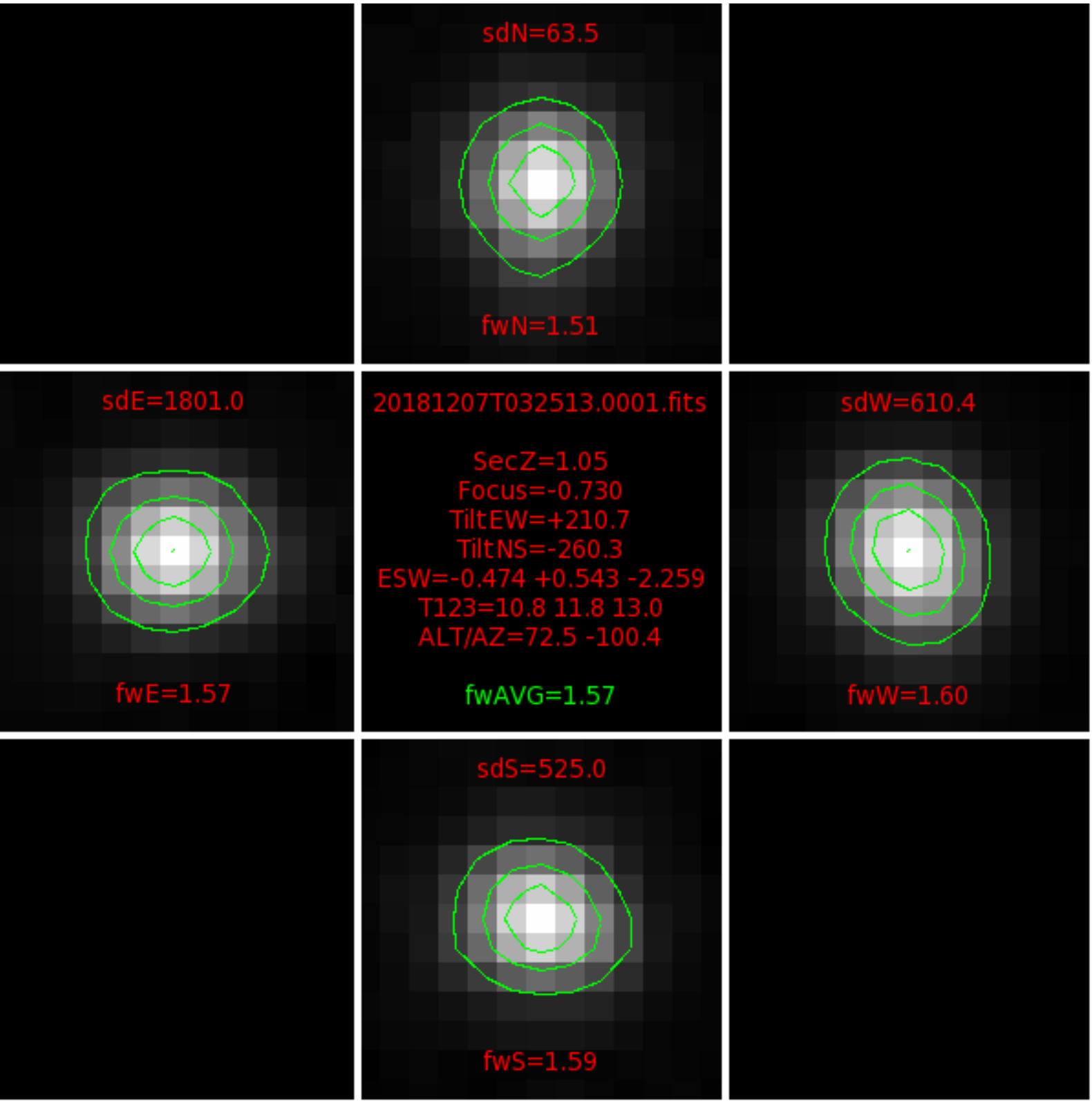
sdN=63.5
fwN=1.51
sdE=1801.0
fwE=1.57
20181207T032513.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 11.8 13.0
ALT/AZ=72.5 -100.4
fwAVG=1.57
sdW=610.4
fwW=1.60
sdS=525.0
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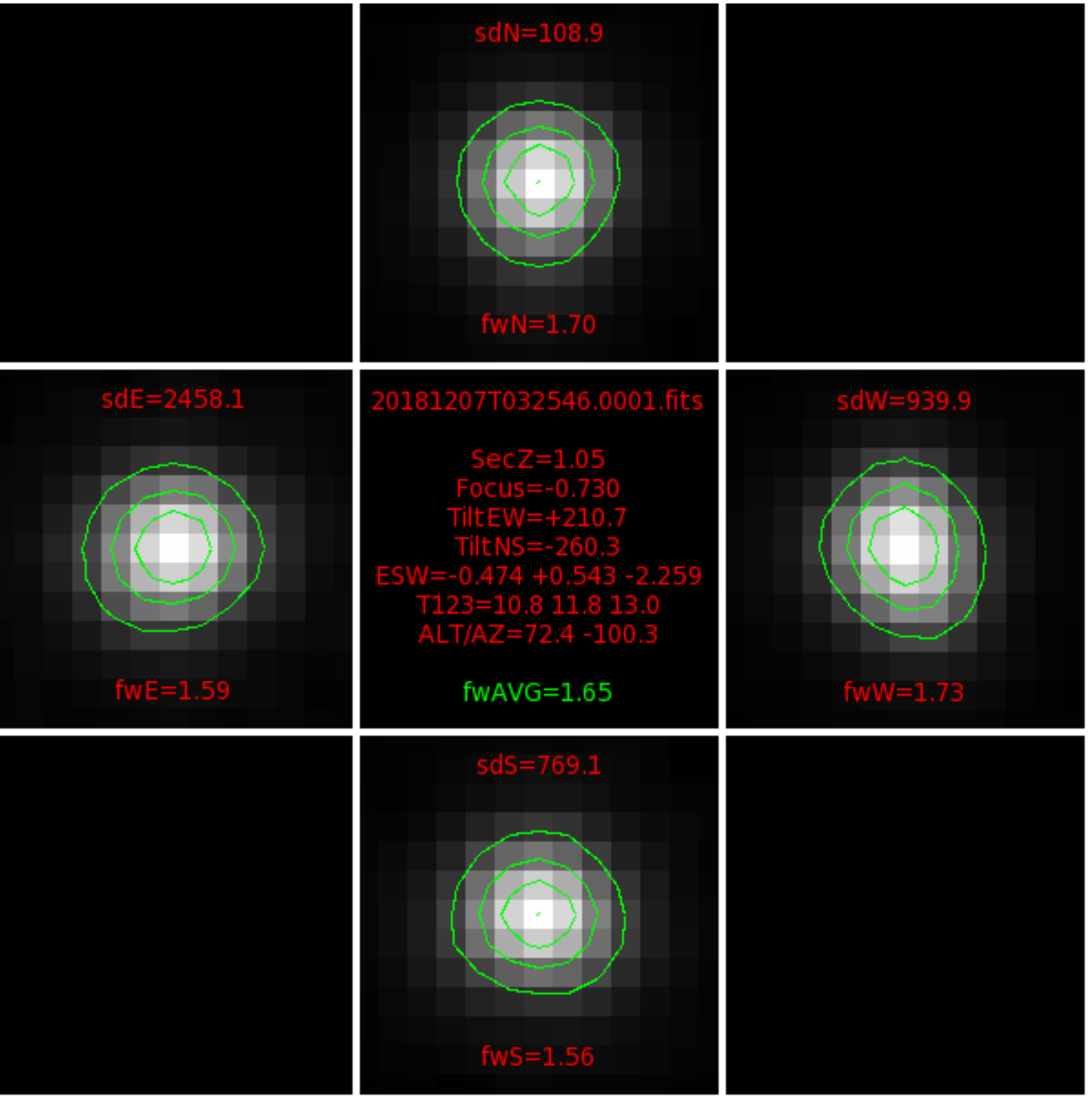
sdN=108.9
fwN=1.70
sdE=2458.1
fwE=1.59
20181207T032546.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 11.8 13.0
ALT/AZ=72.4 -100.3
fwAVG=1.65
sdW=939.9
fwW=1.73
sdS=769.1
fwS=1.56
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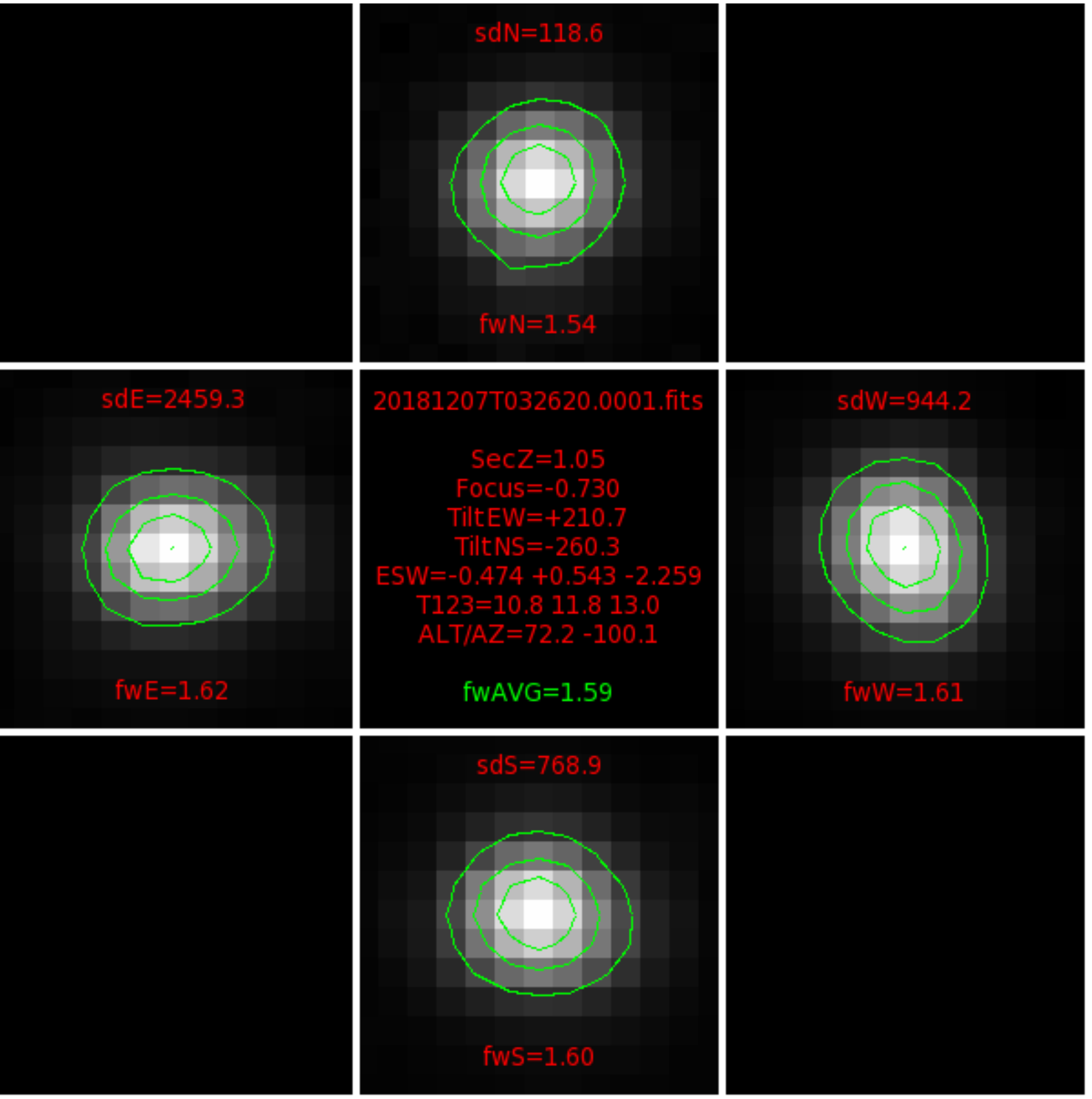
sdN=118.6
fwN=1.54
sdE=2459.3
fwE=1.62
20181207T032620.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 11.8 13.0
ALT/AZ=72.2 -100.1
fwAVG=1.59
sdW=944.2
fwW=1.61
sdS=768.9
fwS=1.60
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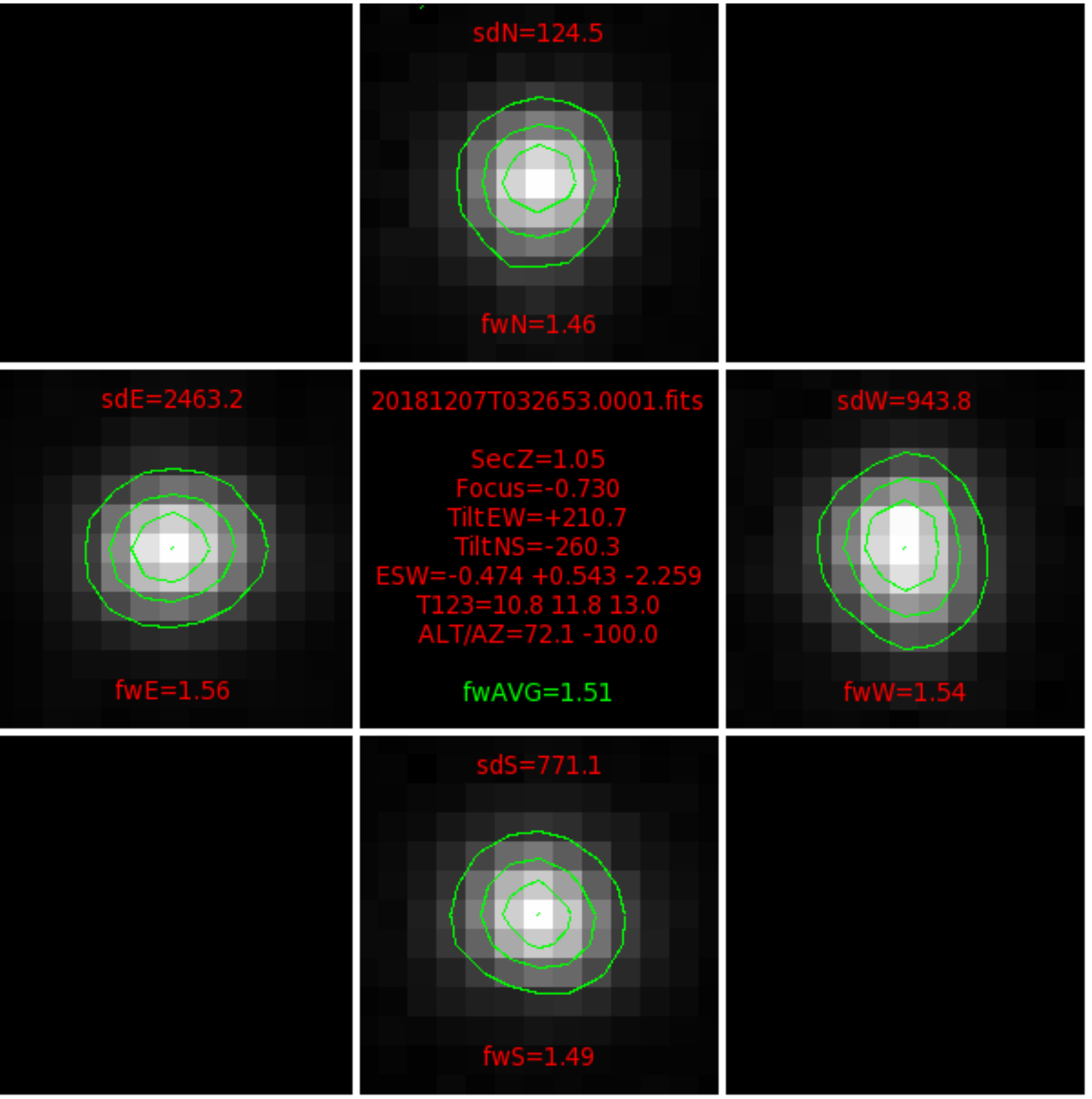
sdN=124.5
fwN=1.46
sdE=2463.2
fwE=1.56
20181207T032653.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 11.8 13.0
ALT/AZ=72.1 -100.0
fwAVG=1.51
sdW=943.8
fwW=1.54
sdS=771.1
fwS=1.49
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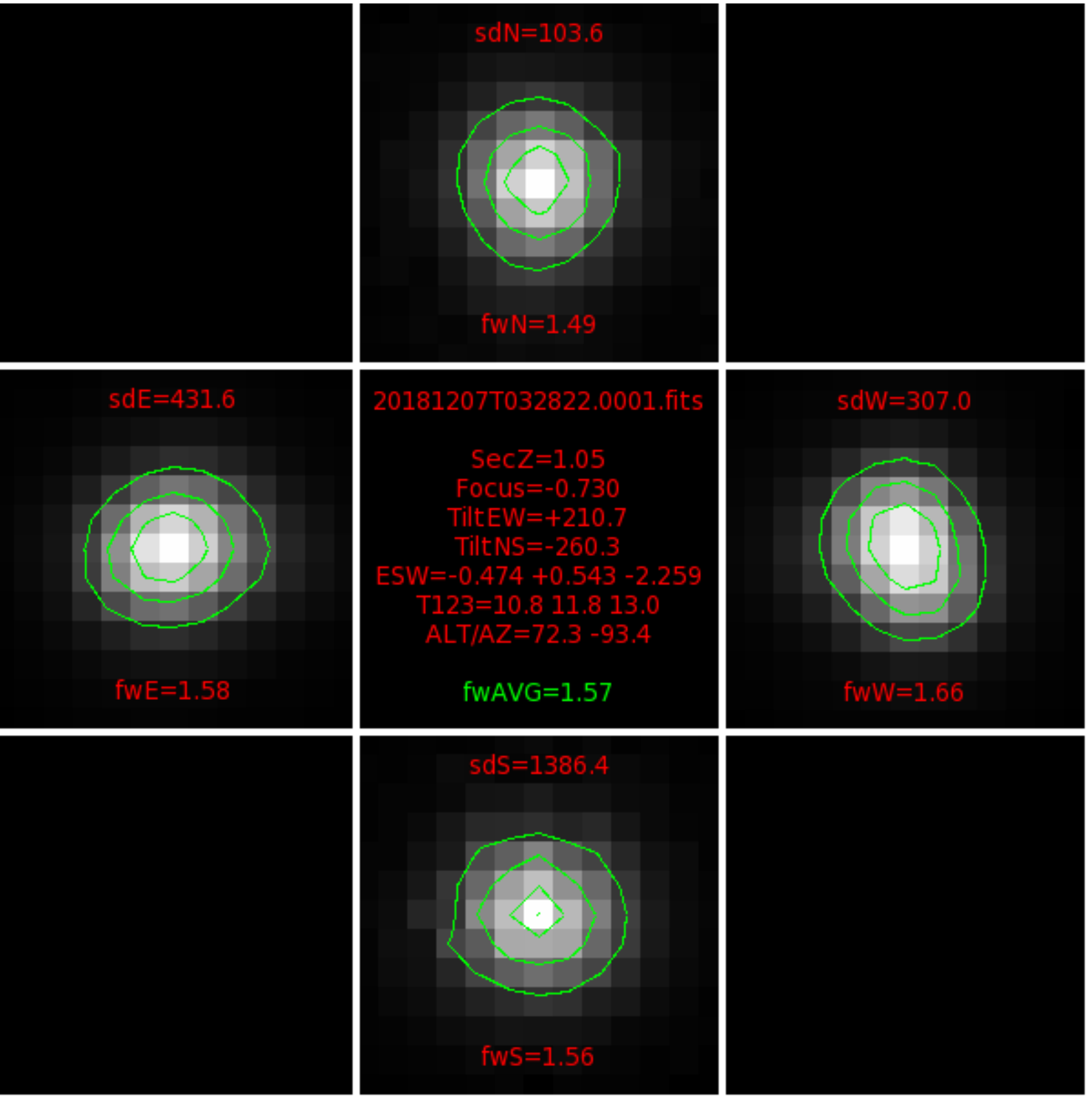
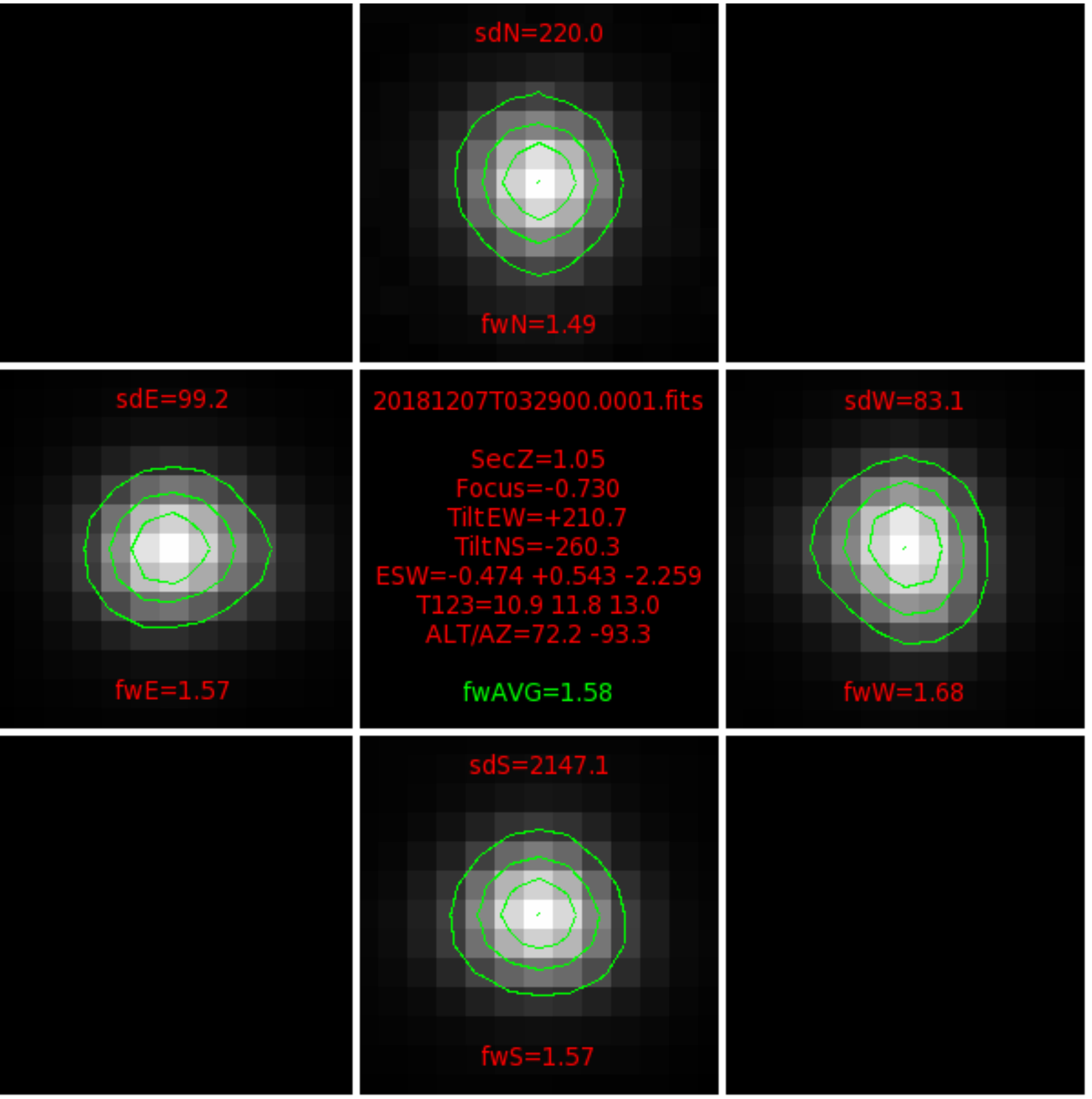
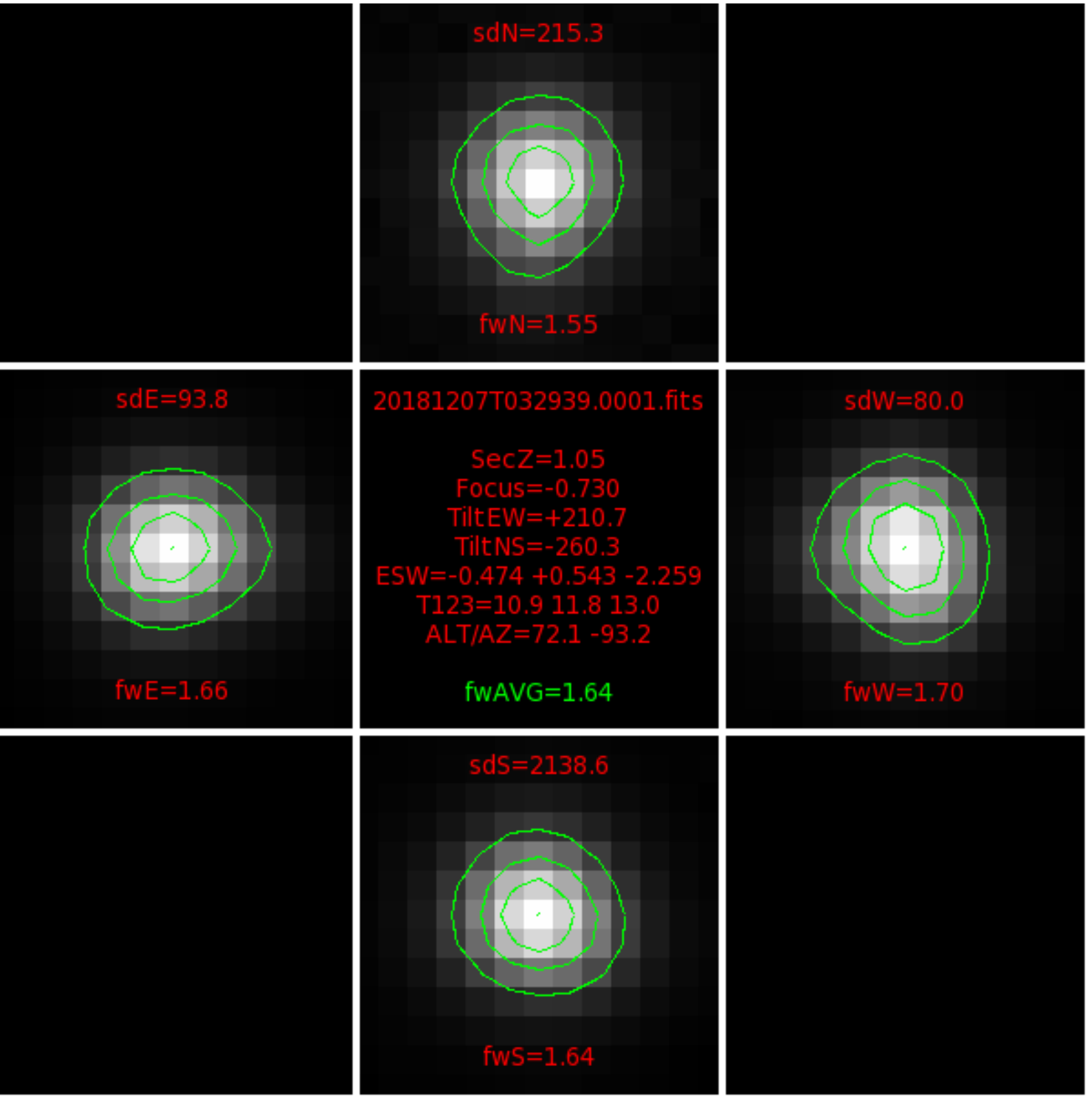

sdN=103.6
fwN=1.49
sdE=431.6
fwE=1.58
20181207T032822.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 11.8 13.0
ALT/AZ=72.3 -93.4
fwAVG=1.57
sdW=307.0
fwW=1.66
sdS=1386.4
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=220.0
fwN=1.49
sdE=99.2
fwE=1.57
20181207T032900.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.9 11.8 13.0
ALT/AZ=72.2 -93.3
fwAVG=1.58
sdW=83.1
fwW=1.68
sdS=2147.1
fwS=1.57
0 0 0 0 0 0 0 0 0


sdN=215.3
fwN=1.55
sdE=93.8
fwE=1.66
20181207T032939.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.9 11.8 13.0
ALT/AZ=72.1 -93.2
fwAVG=1.64
sdW=80.0
fwW=1.70
sdS=2138.6
fwS=1.64
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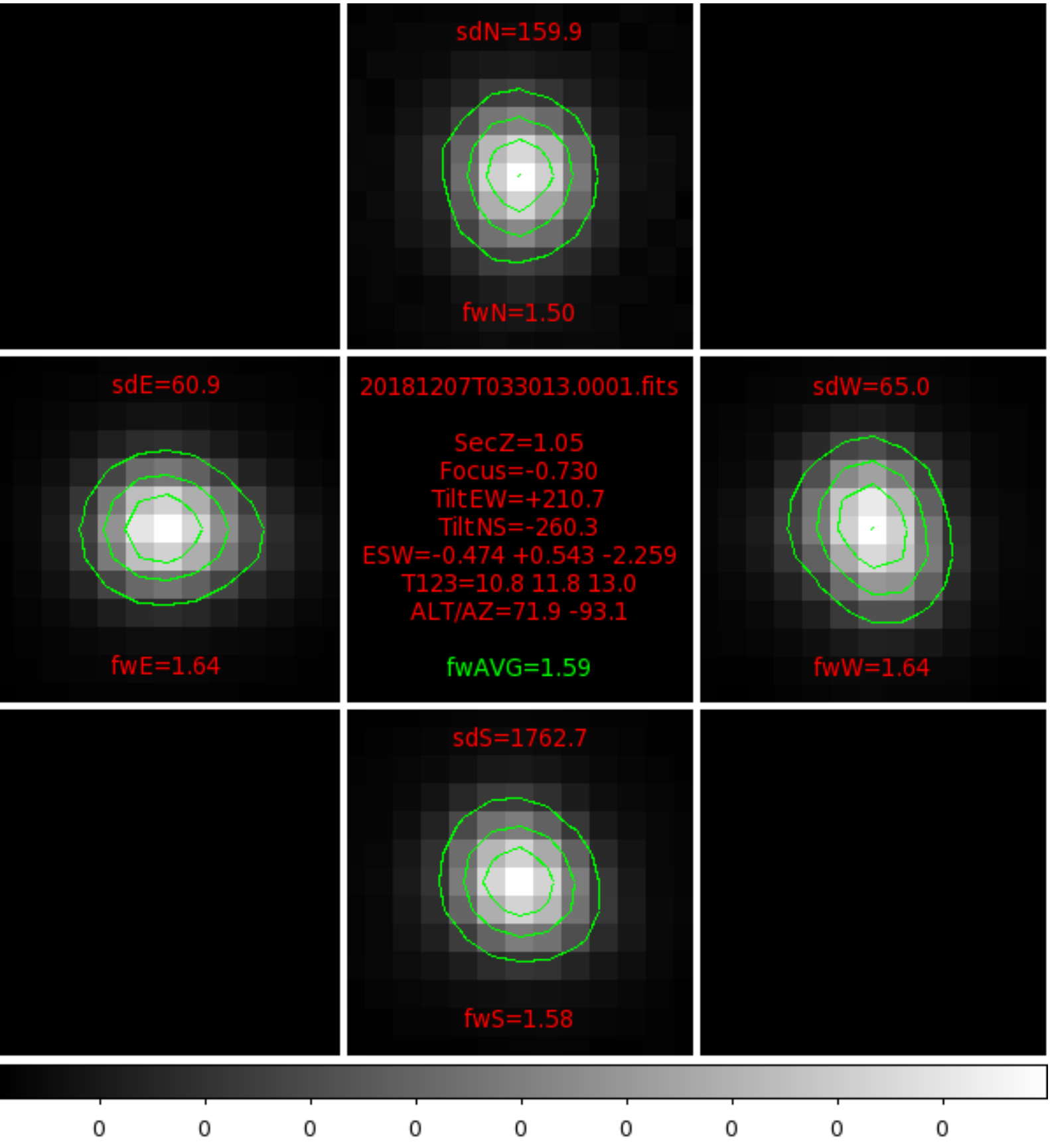
sdN=159.9
fwN=1.50
sdE=60.9
fwE=1.64
20181207T033013.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 11.8 13.0
ALT/AZ=71.9 -93.1
fwAVG=1.59
sdW=65.0
fwW=1.64
sdS=1762.7
fwS=1.58
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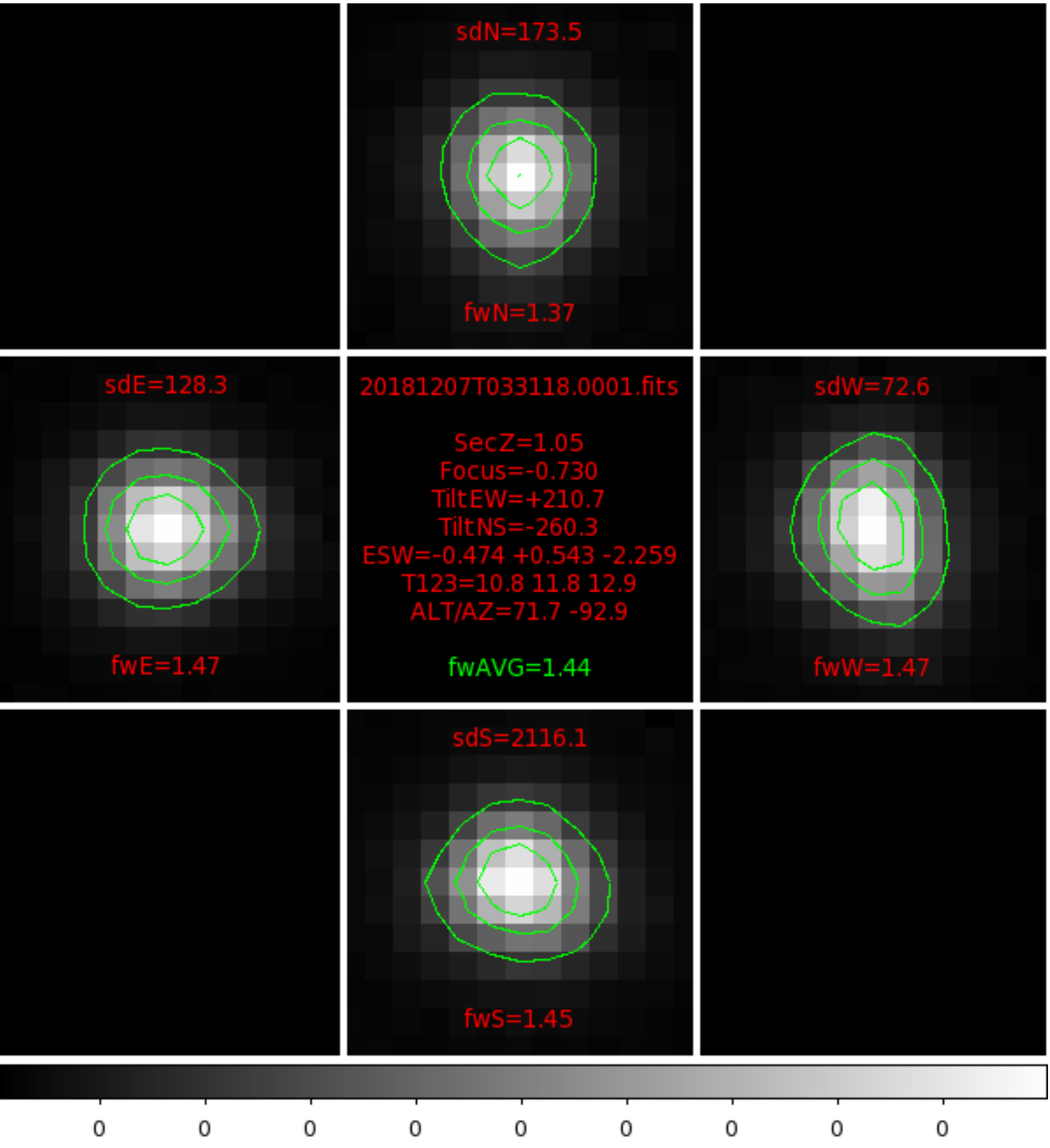
sdN=173.5
fwN=1.37
sdE=128.3
fwE=1.47
20181207T033118.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 11.8 12.9
ALT/AZ=71.7 -92.9
fwAVG=1.44
sdW=72.6
fwW=1.47
sdS=2116.1
fwS=1.45
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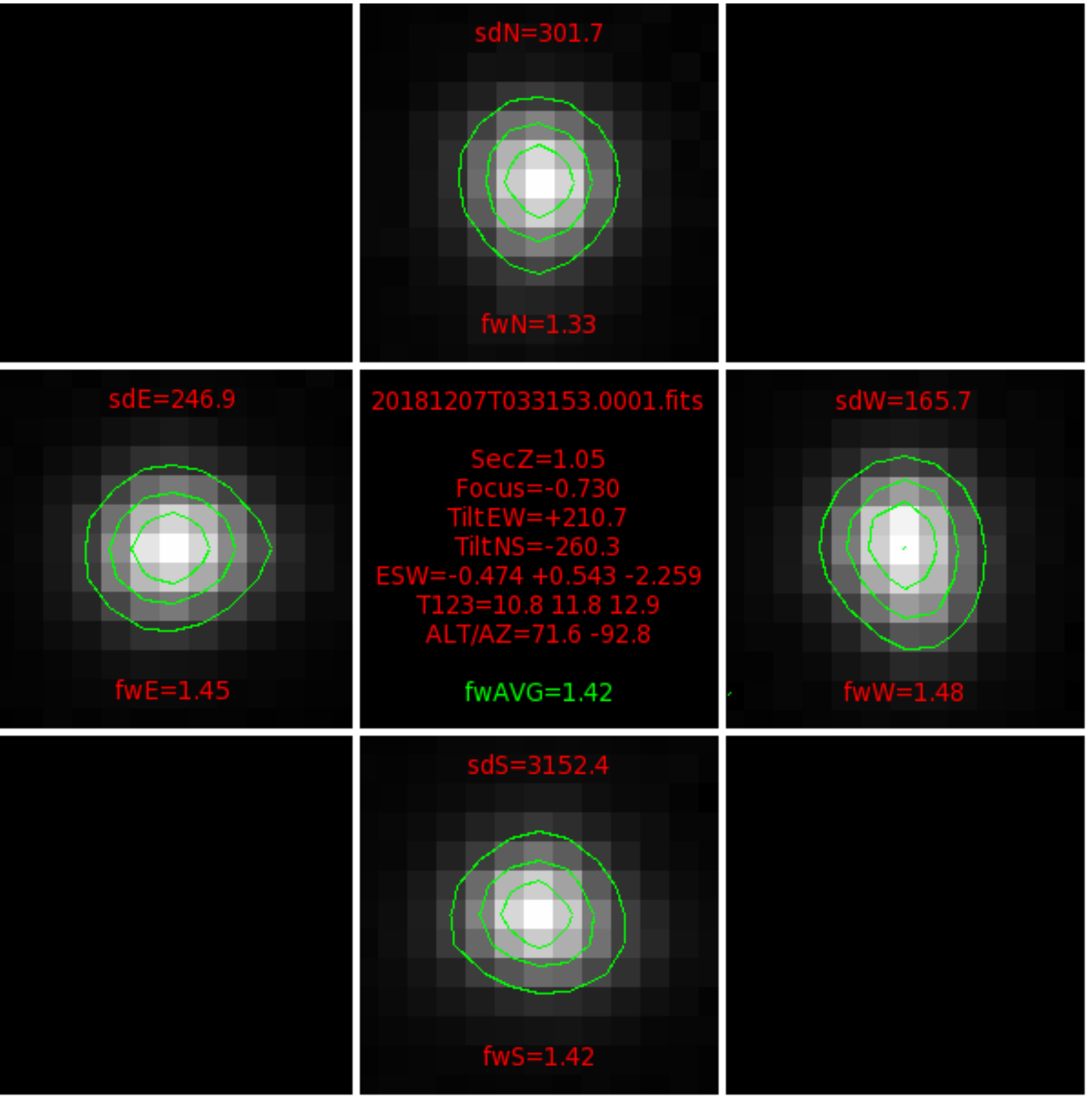
sdN=301.7
fwN=1.33
sdE=246.9
fwE=1.45
20181207T033153.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 11.8 12.9
ALT/AZ=71.6 -92.8
fwAVG=1.42
sdW=165.7
fwW=1.48
sdS=3152.4
fwS=1.42
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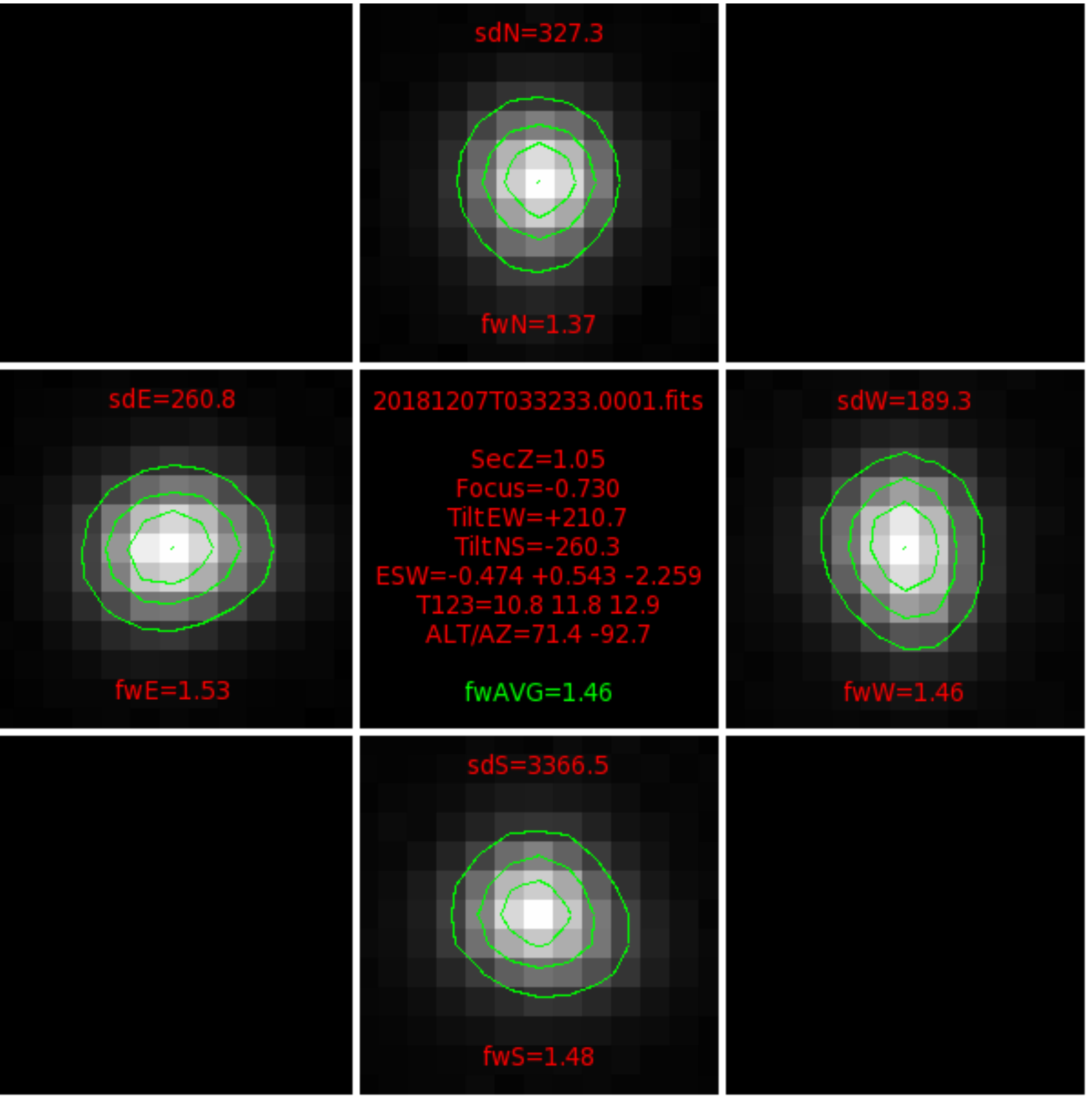
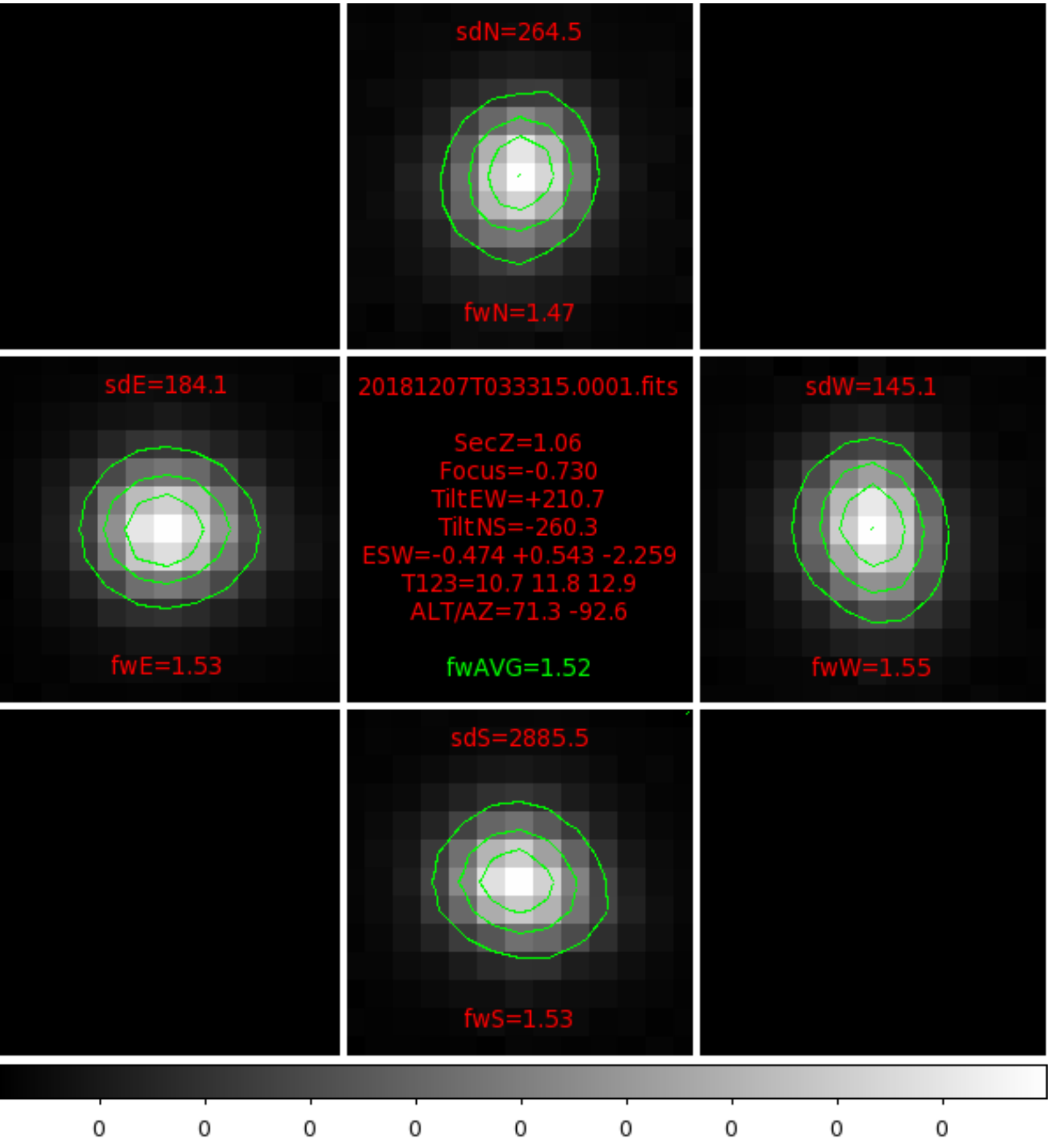

sdN=327.3
fwN=1.37
sdE=260.8
fwE=1.53
20181207T033233.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.8 11.8 12.9
ALT/AZ=71.4 -92.7
fwAVG=1.46
sdW=189.3
fwW=1.46
sdS=3366.5
fwS=1.48
0 0 0 0 0 0 0 0 0


sdN=264.5
fwN=1.47
sdE=184.1
fwE=1.53
20181207T033315.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.7 11.8 12.9
ALT/AZ=71.3 -92.6
fwAVG=1.52
sdW=145.1
fwW=1.55
sdS=2885.5
fwS=1.53
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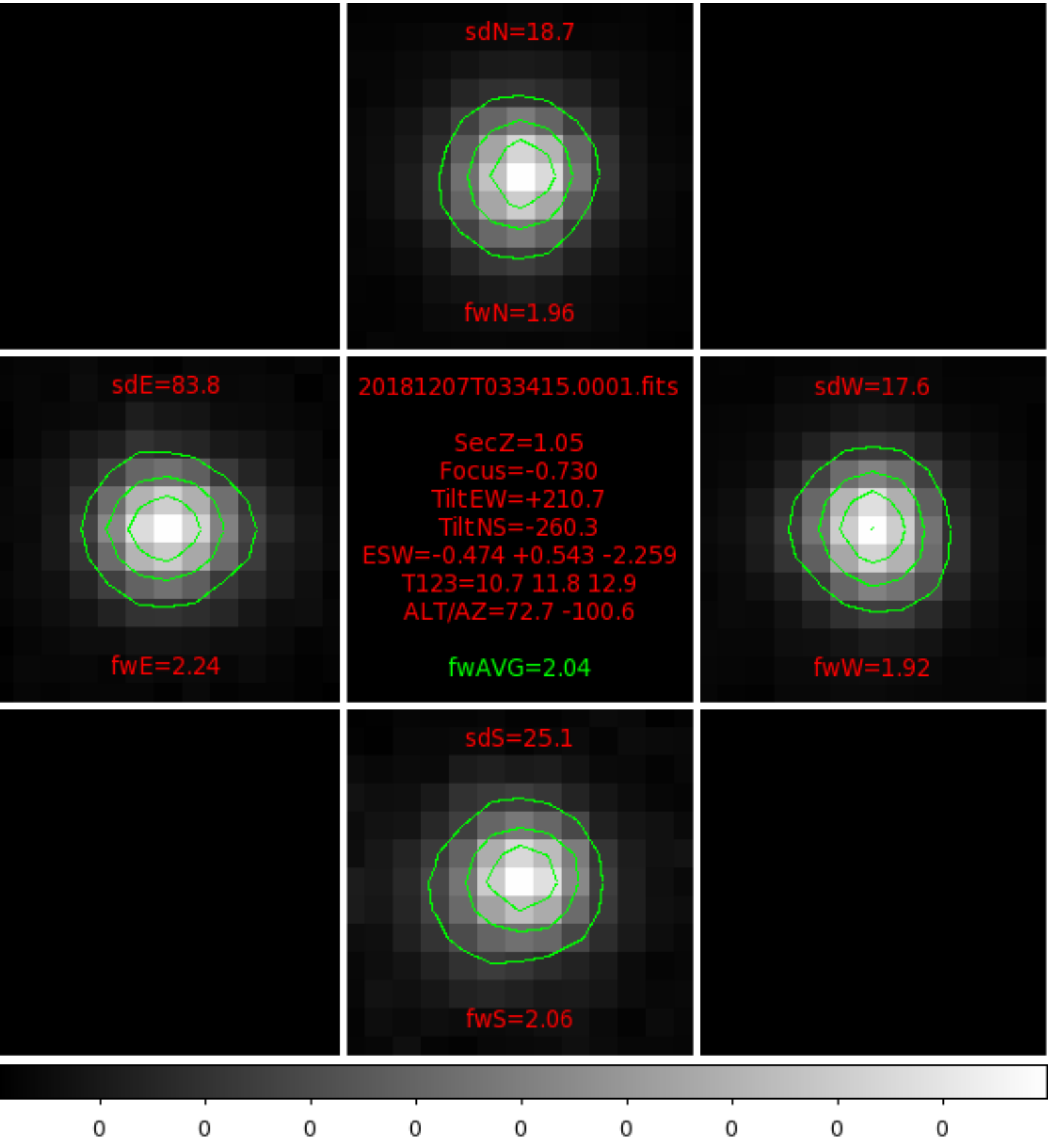
sdN=18.7
fwN=1.96
sdE=83.8
fwE=2.24
20181207T033415.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.7 11.8 12.9
ALT/AZ=72.7 -100.6
fwAVG=2.04
sdW=17.6
fwW=1.92
sdS=25.1
fwS=2.06
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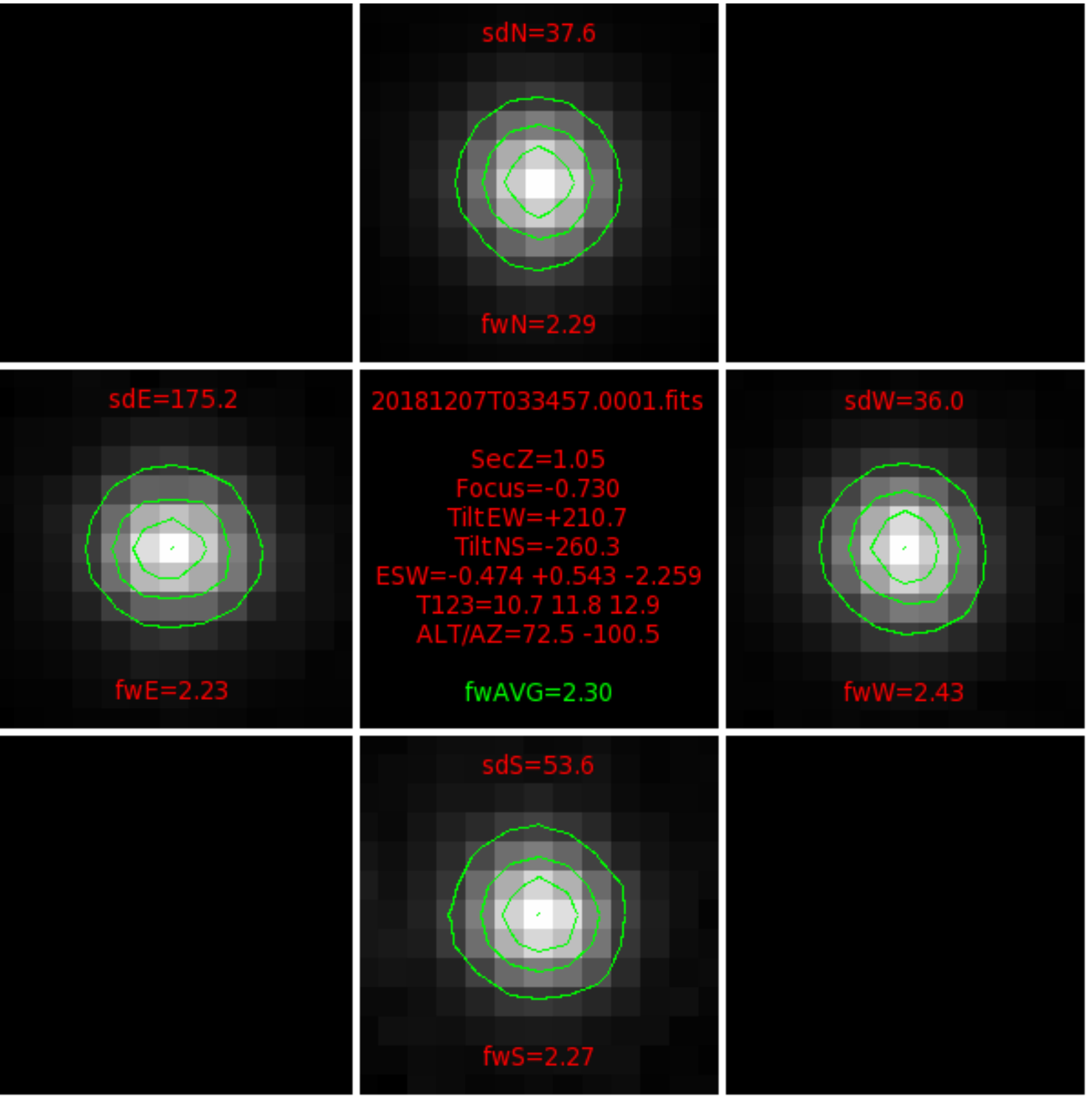
sdN=37.6
fwN=2.29
sdE=175.2
fwE=2.23
20181207T033457.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.7 11.8 12.9
ALT/AZ=72.5 -100.5
fwAVG=2.30
sdW=36.0
fwW=2.43
sdS=53.6
fwS=2.27
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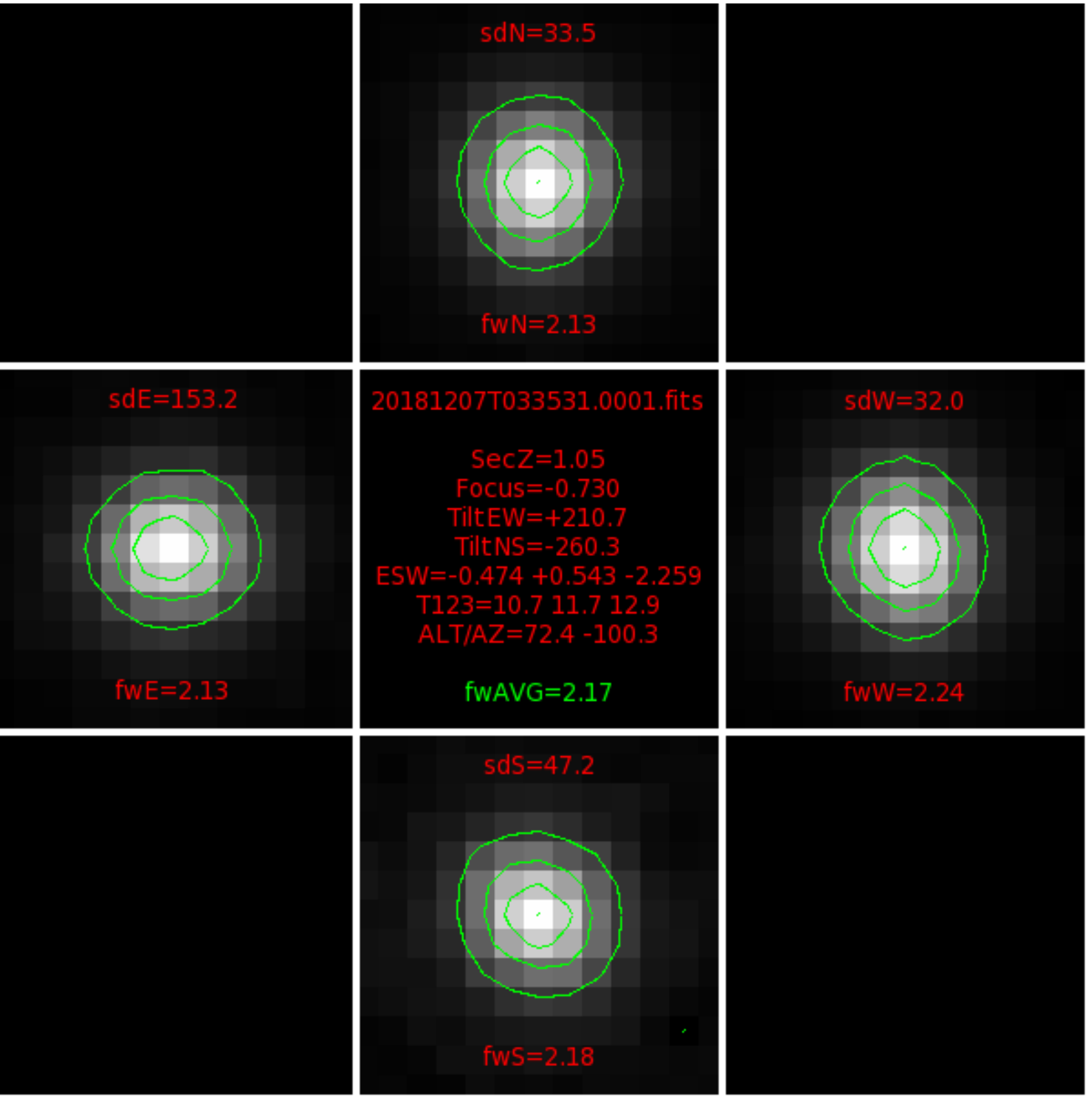
sdN=33.5
fwN=2.13
sdE=153.2
fwE=2.13
20181207T033531.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.7 11.7 12.9
ALT/AZ=72.4 -100.3
fwAVG=2.17
sdW=32.0
fwW=2.24
sdS=47.2
fwS=2.18
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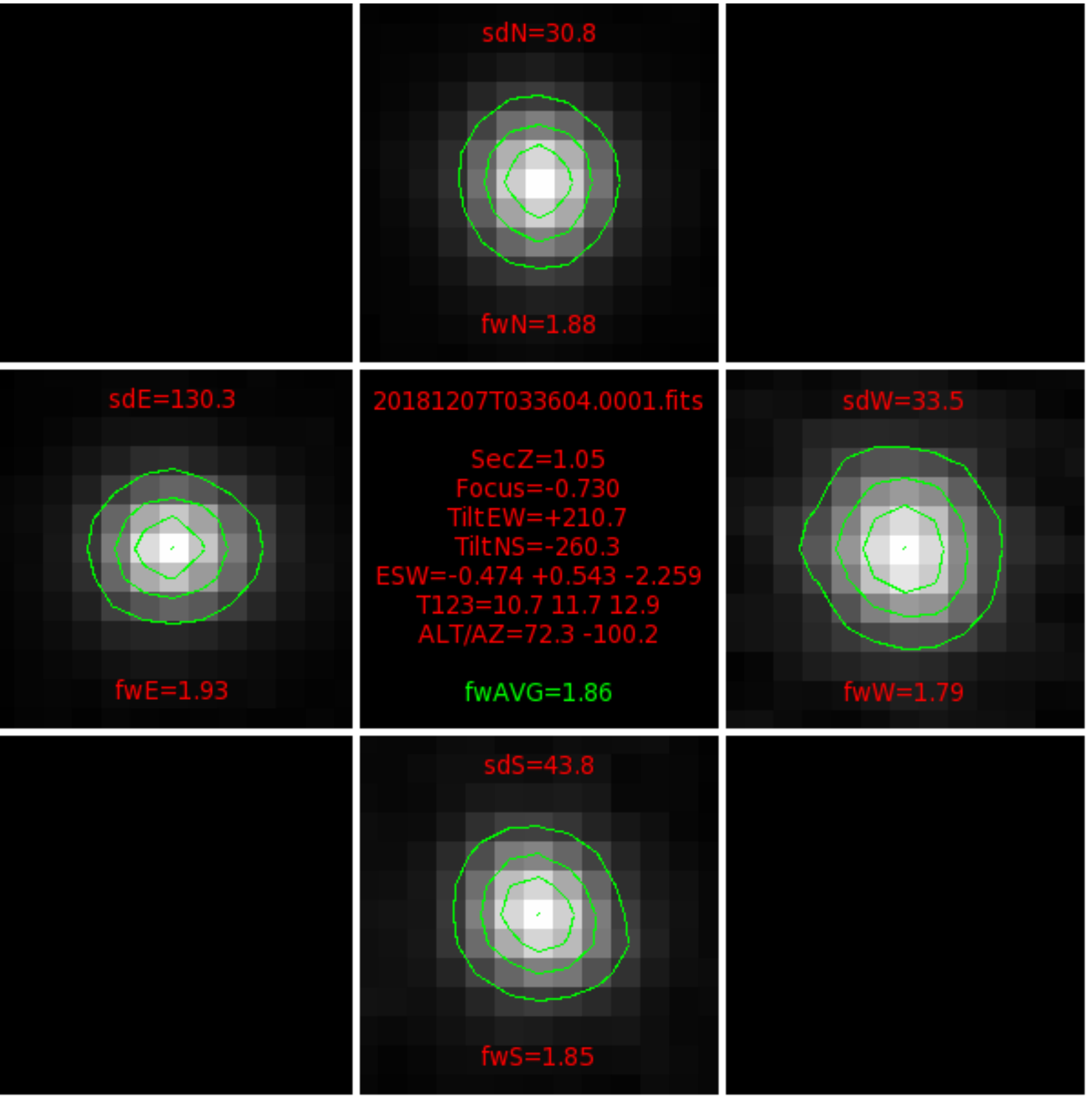
sdN=30.8
fwN=1.88
sdE=130.3
fwE=1.93
20181207T033604.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.7 11.7 12.9
ALT/AZ=72.3 -100.2
fwAVG=1.86
sdW=33.5
fwW=1.79
sdS=43.8
fwS=1.85
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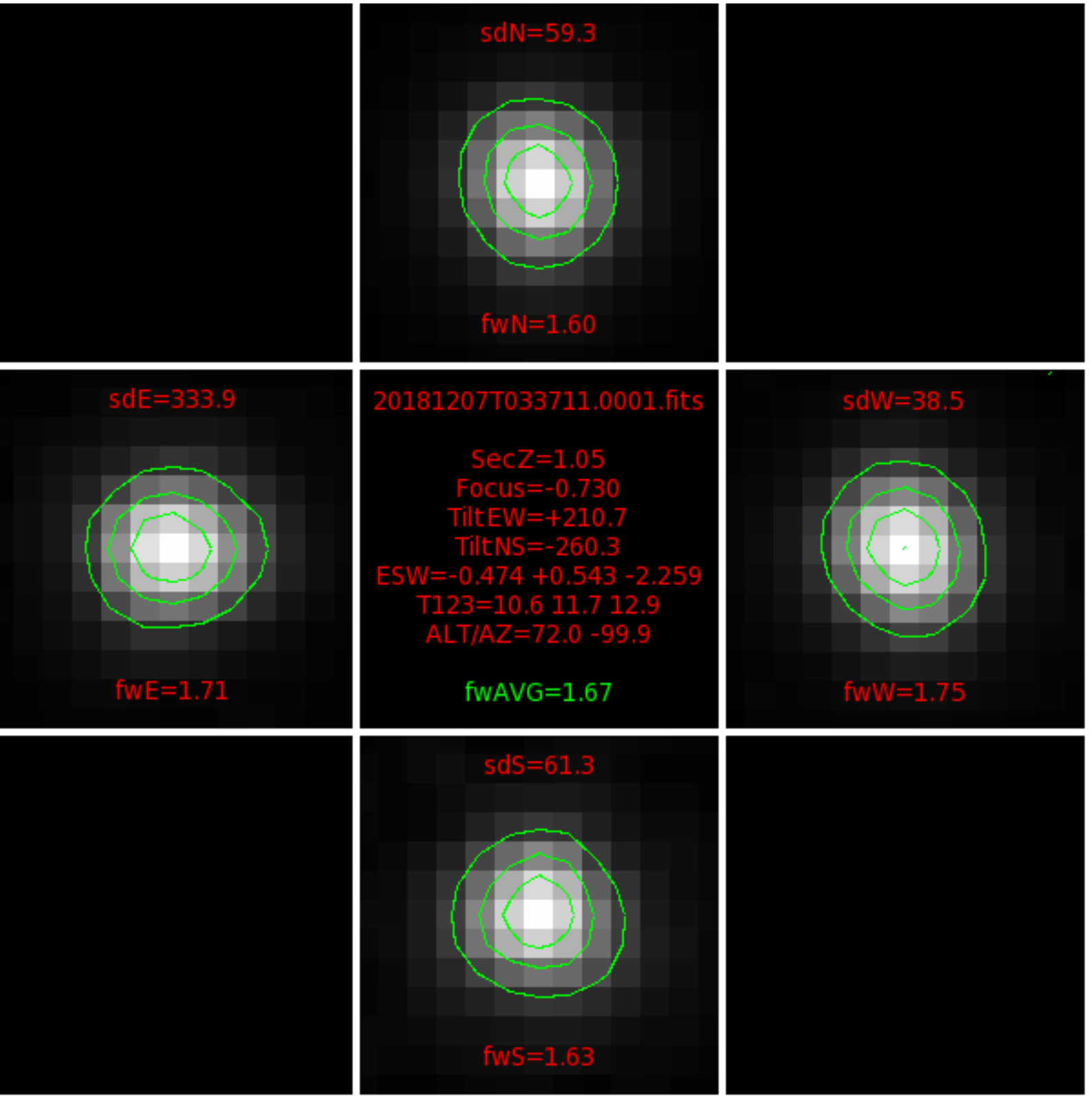
sdN=59.3
fwN=1.60
sdE=333.9
fwE=1.71
20181207T033711.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.7 12.9
ALT/AZ=72.0 -99.9
fwAVG=1.67
sdW=38.5
fwW=1.75
sdS=61.3
fwS=1.63
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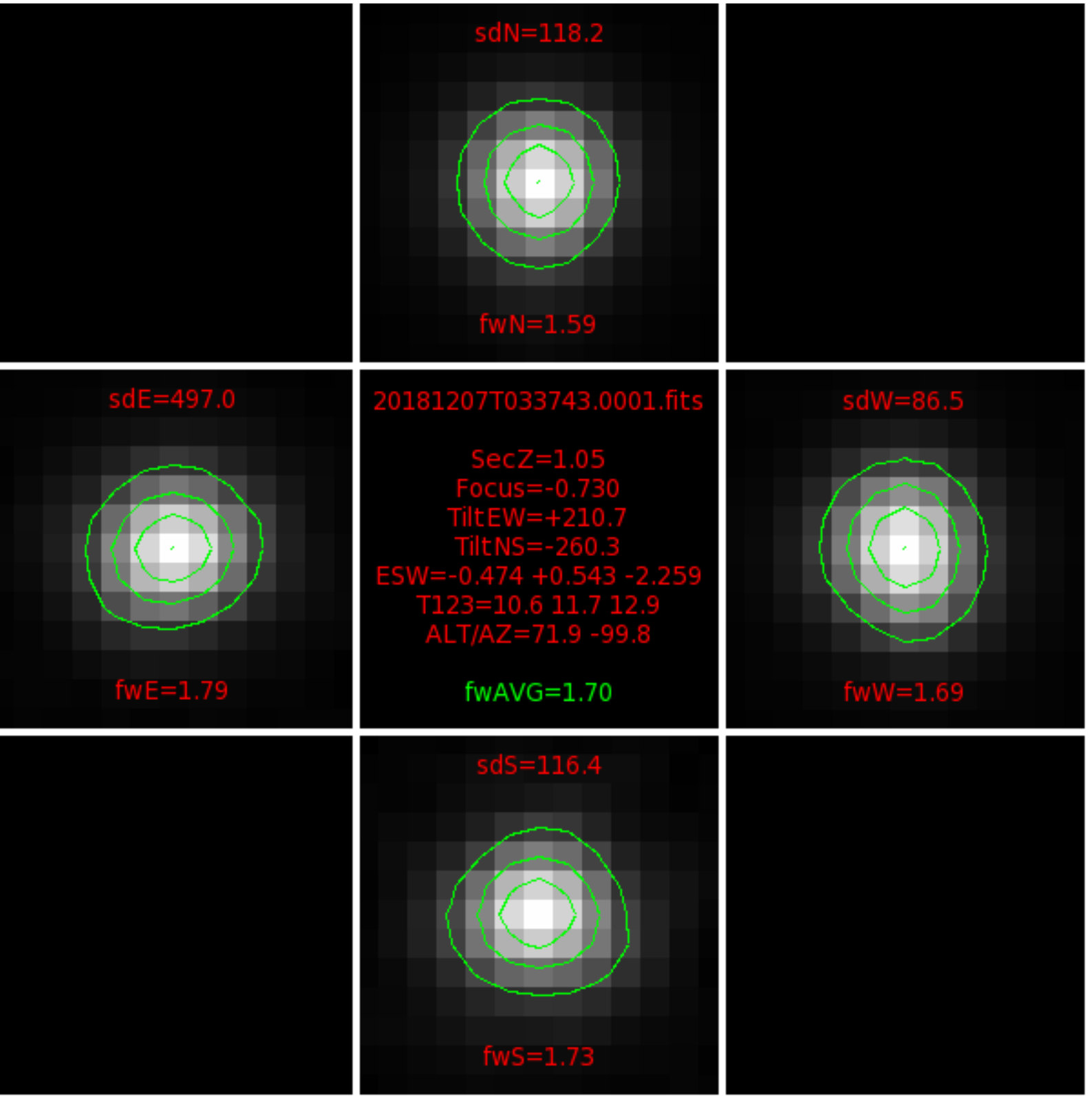
sdN=118.2
fwN=1.59
sdE=497.0
fwE=1.79
20181207T033743.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.7 12.9
ALT/AZ=71.9 -99.8
fwAVG=1.70
sdW=86.5
fwW=1.69
sdS=116.4
fwS=1.73
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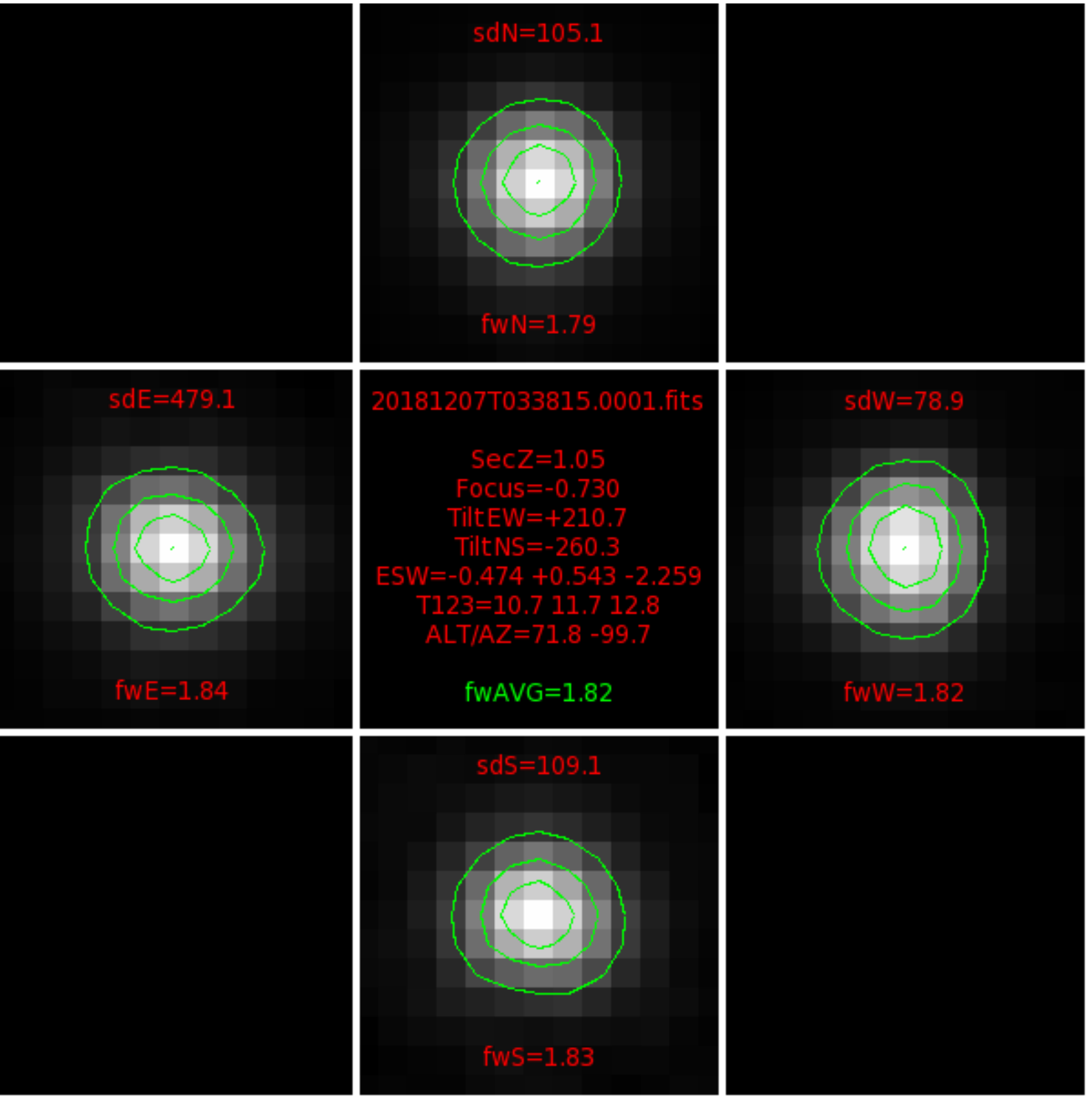
sdN=105.1
fwN=1.79
sdE=479.1
fwE=1.84
20181207T033815.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.7 11.7 12.8
ALT/AZ=71.8 -99.7
fwAVG=1.82
sdW=78.9
fwW=1.82
sdS=109.1
fwS=1.83
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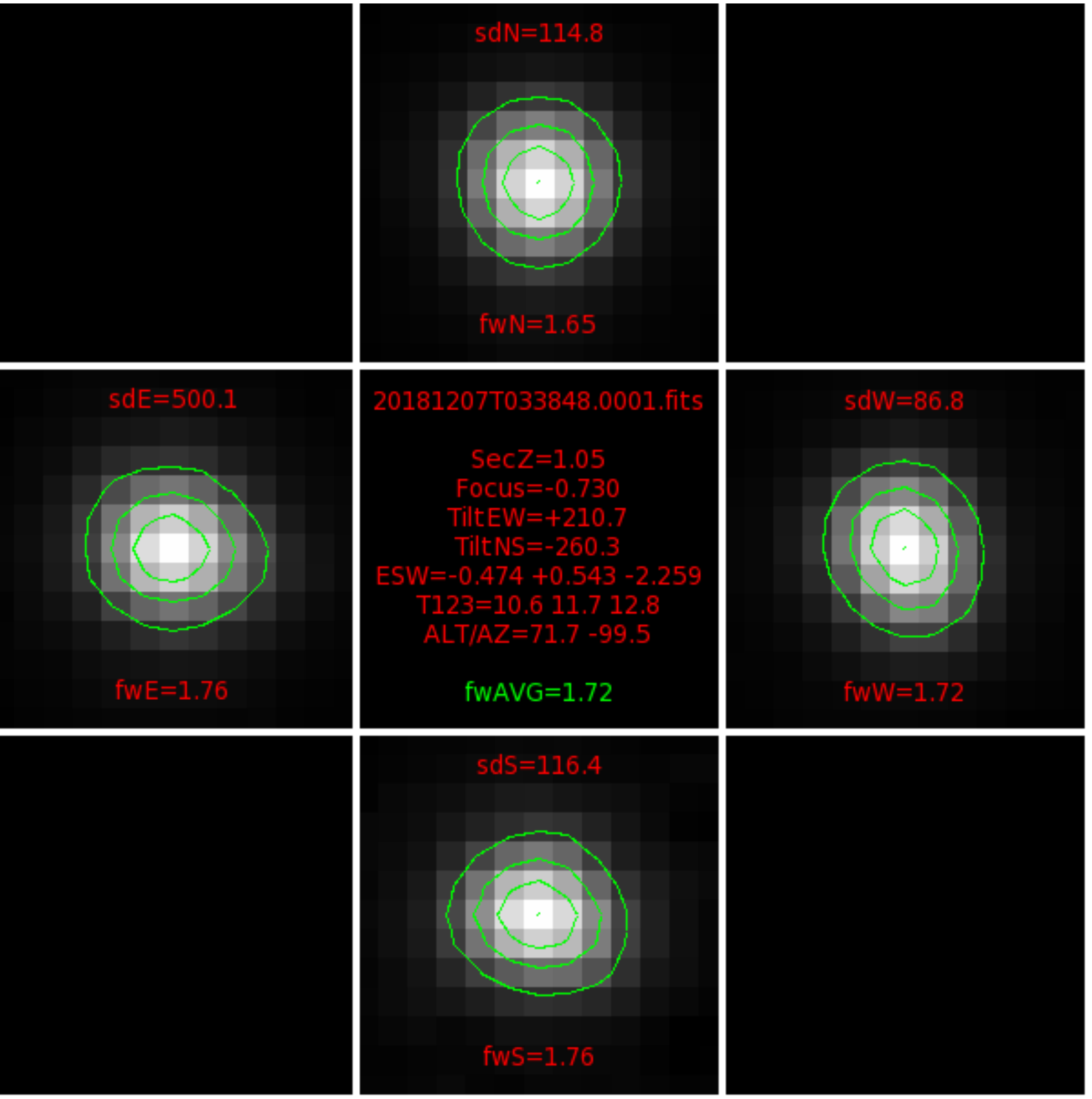
sdN=114.8
fwN=1.65
sdE=500.1
fwE=1.76
20181207T033848.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.7 12.8
ALT/AZ=71.7 -99.5
fwAVG=1.72
sdW=86.8
fwW=1.72
sdS=116.4
fwS=1.76
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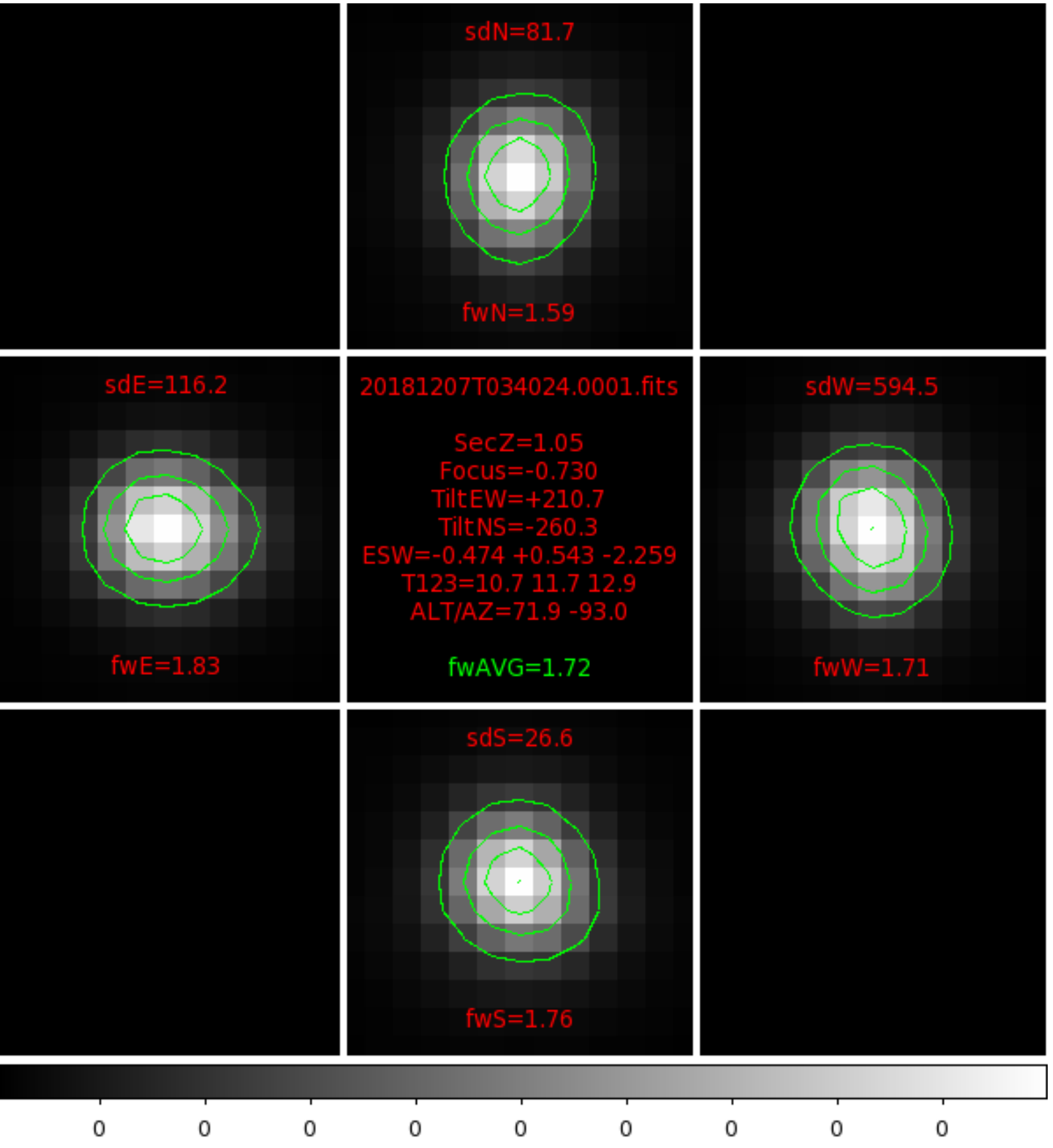
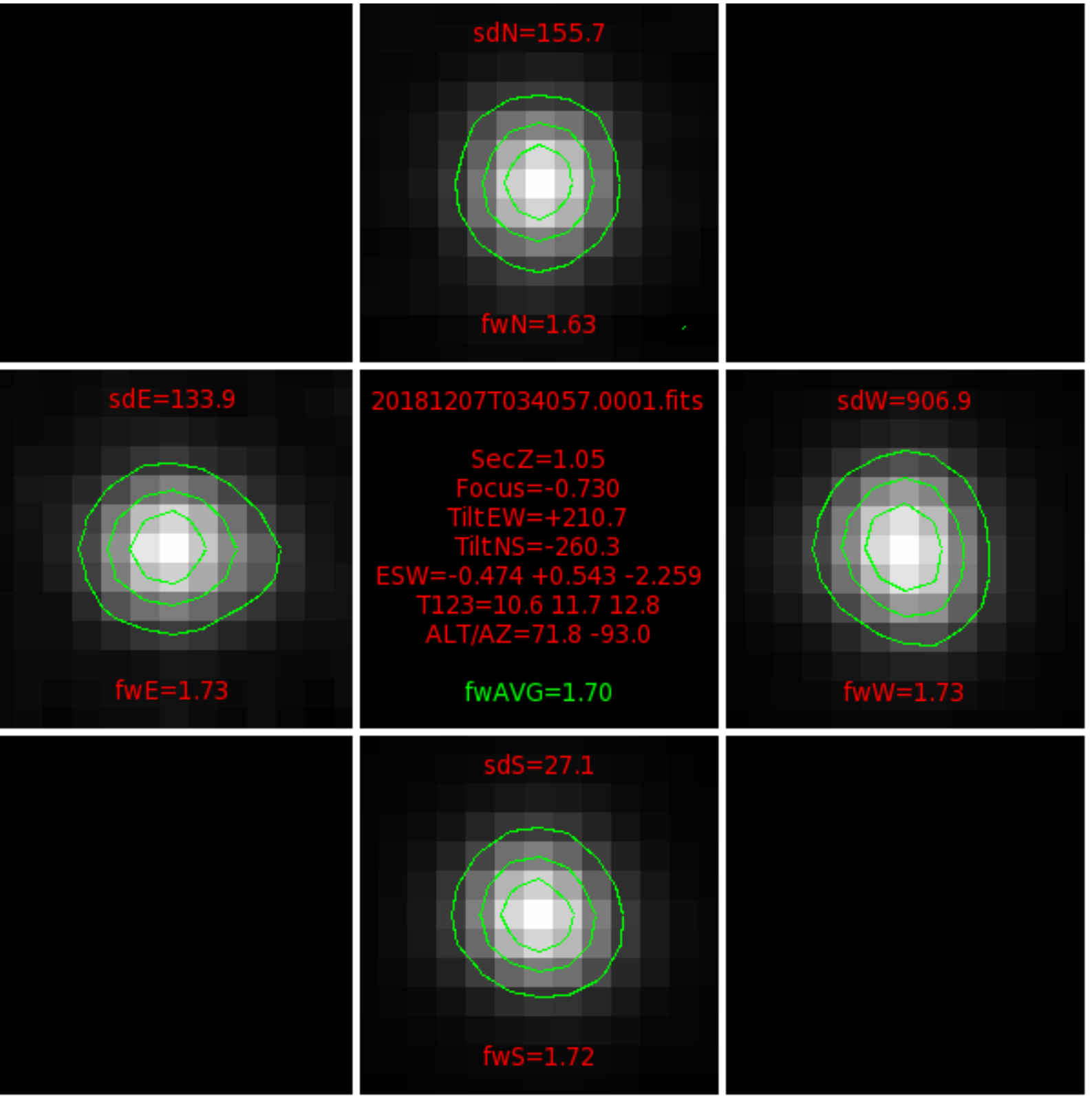

sdN=81.7
fwN=1.59
sdE=116.2
fwE=1.83
20181207T034024.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.7 11.7 12.9
ALT/AZ=71.9 -93.0
fwAVG=1.72
sdW=594.5
fwW=1.71
sdS=26.6
fwS=1.76
0 0 0 0 0 0 0 0 0


sdN=155.7
fwN=1.63
sdE=133.9
fwE=1.73
20181207T034057.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.7 12.8
ALT/AZ=71.8 -93.0
fwAVG=1.70
sdW=906.9
fwW=1.73
sdS=27.1
fwS=1.72
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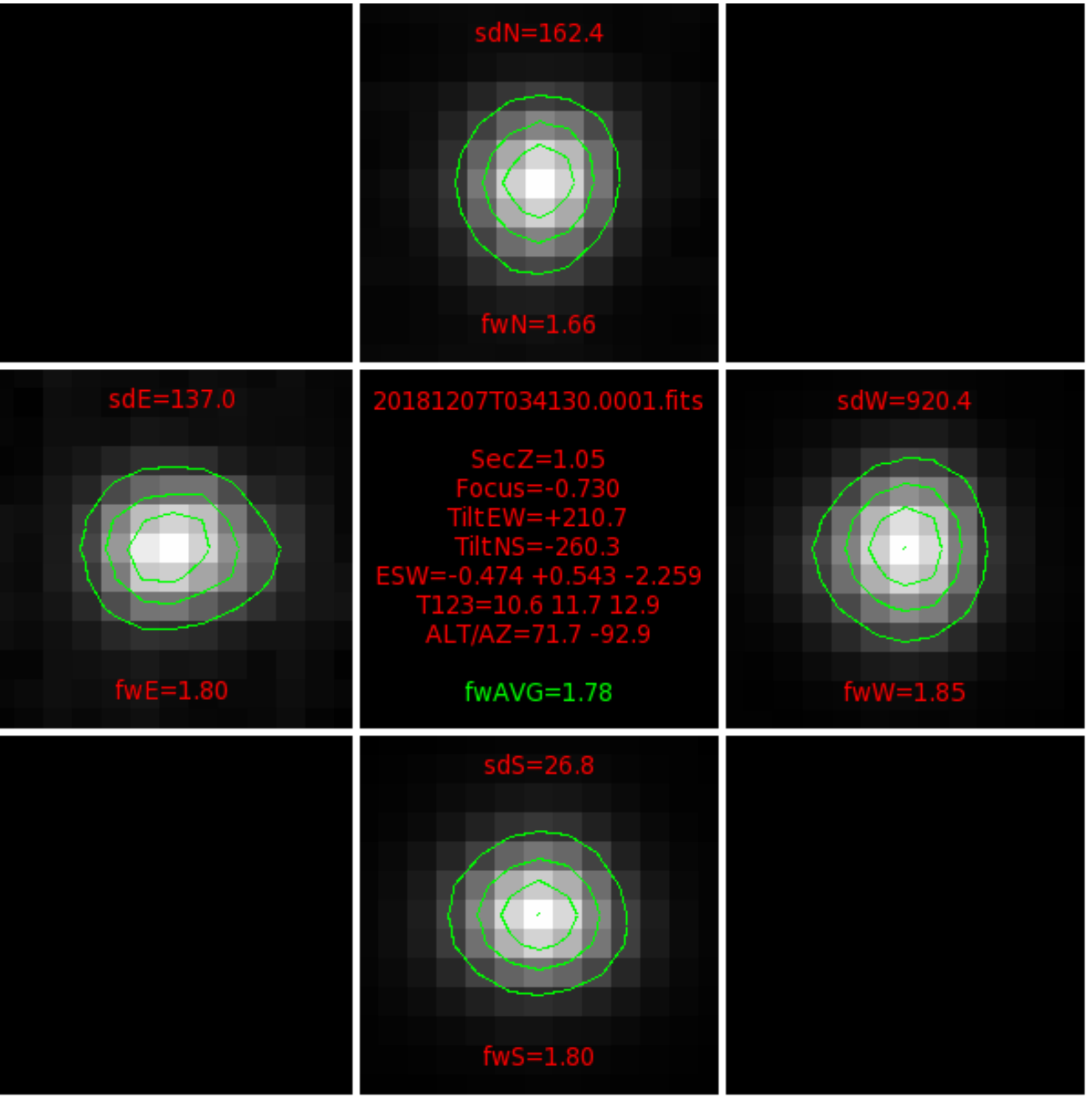
sdN=162.4
fwN=1.66
sdE=137.0
fwE=1.80
20181207T034130.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.7 12.9
ALT/AZ=71.7 -92.9
fwAVG=1.78
sdW=920.4
fwW=1.85
sdS=26.8
fwS=1.80
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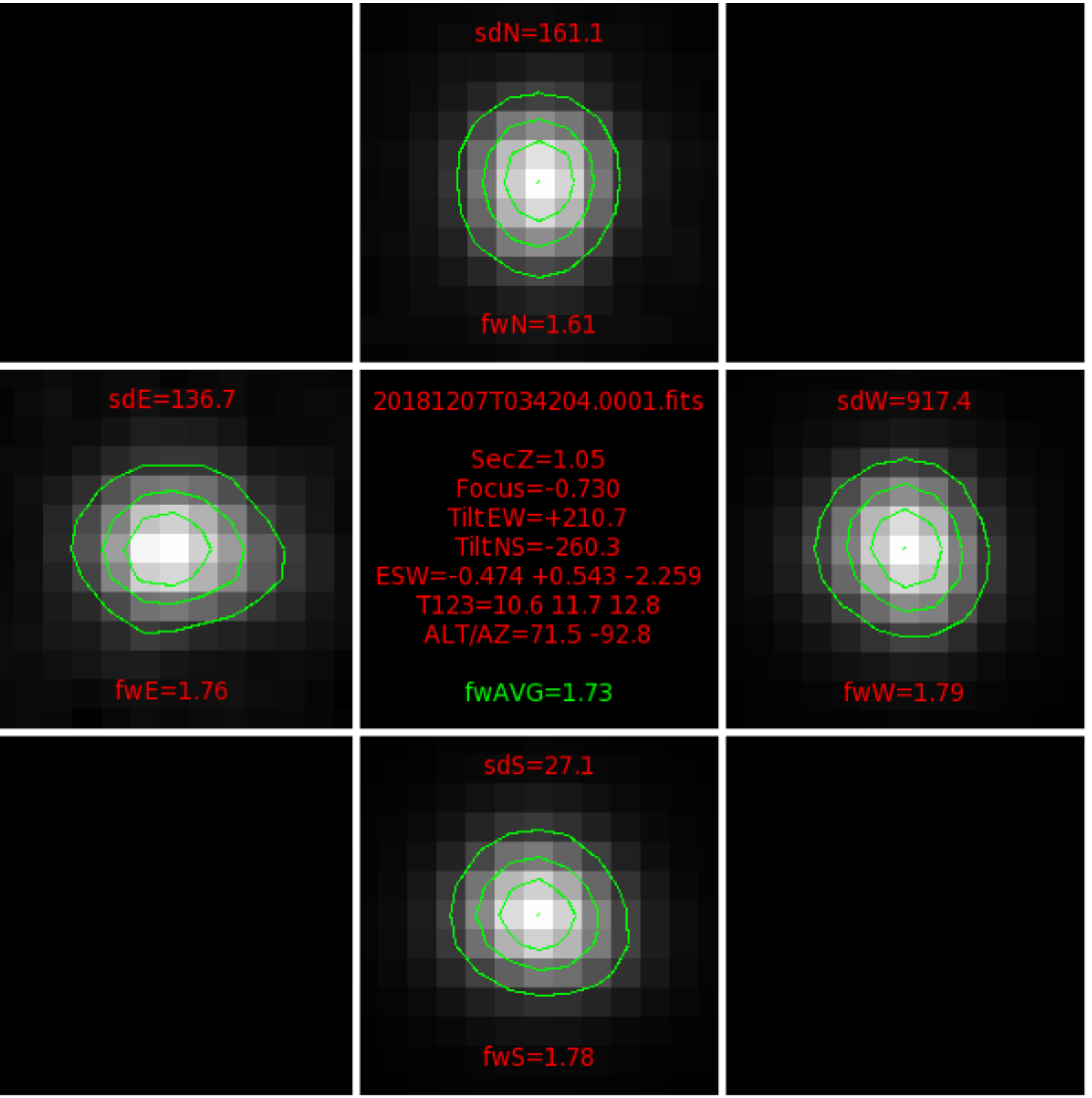
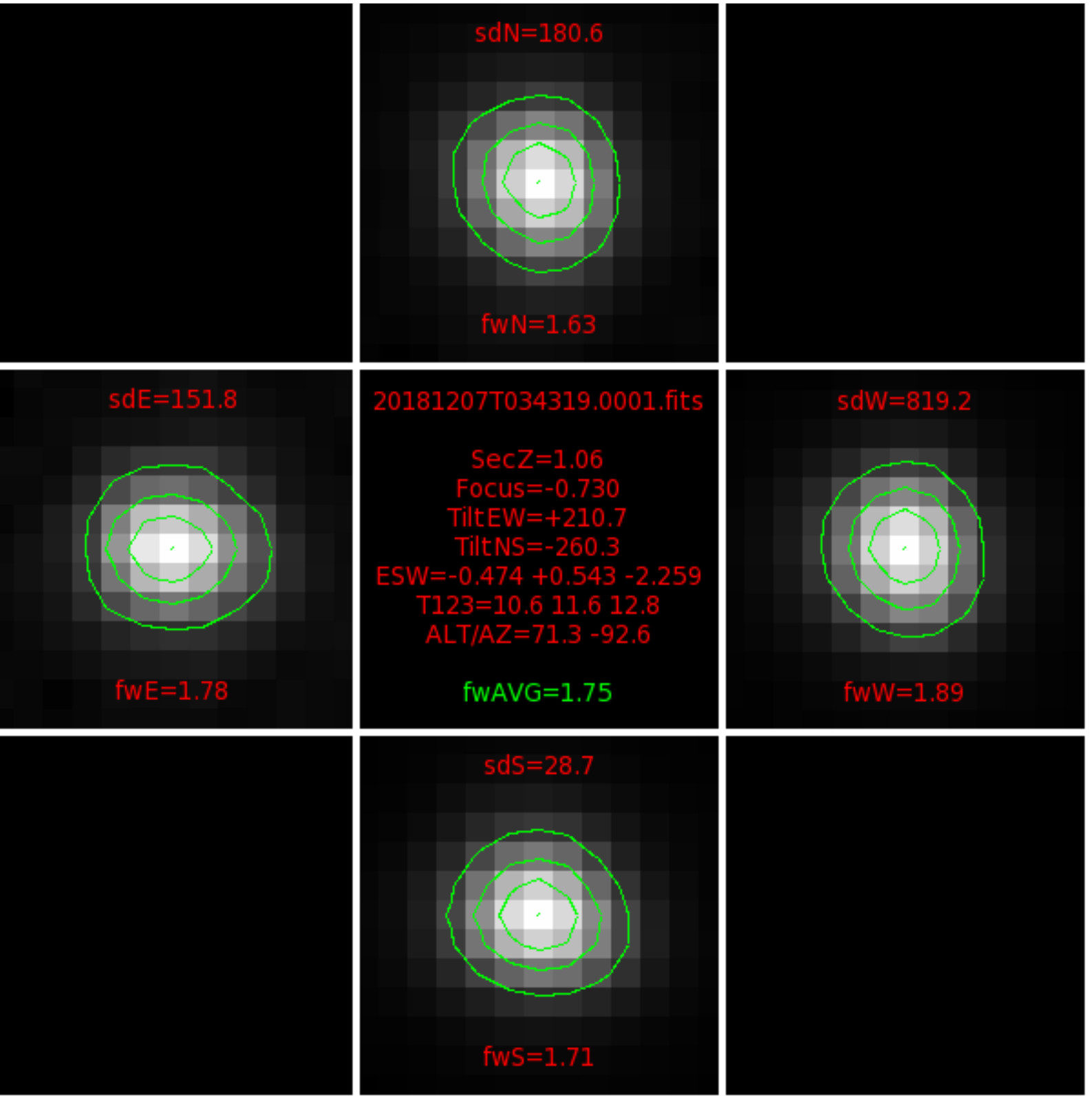

sdN=161.1
fwN=1.61
sdE=136.7
fwE=1.76
20181207T034204.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.7 12.8
ALT/AZ=71.5 -92.8
fwAVG=1.73
sdW=917.4
fwW=1.79
sdS=27.1
fwS=1.78
0 0 0 0 0 0 0 0 0


sdN=180.6
fwN=1.63
sdE=151.8
fwE=1.78
20181207T034319.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.6 12.8
ALT/AZ=71.3 -92.6
fwAVG=1.75
sdW=819.2
fwW=1.89
sdS=28.7
fwS=1.71
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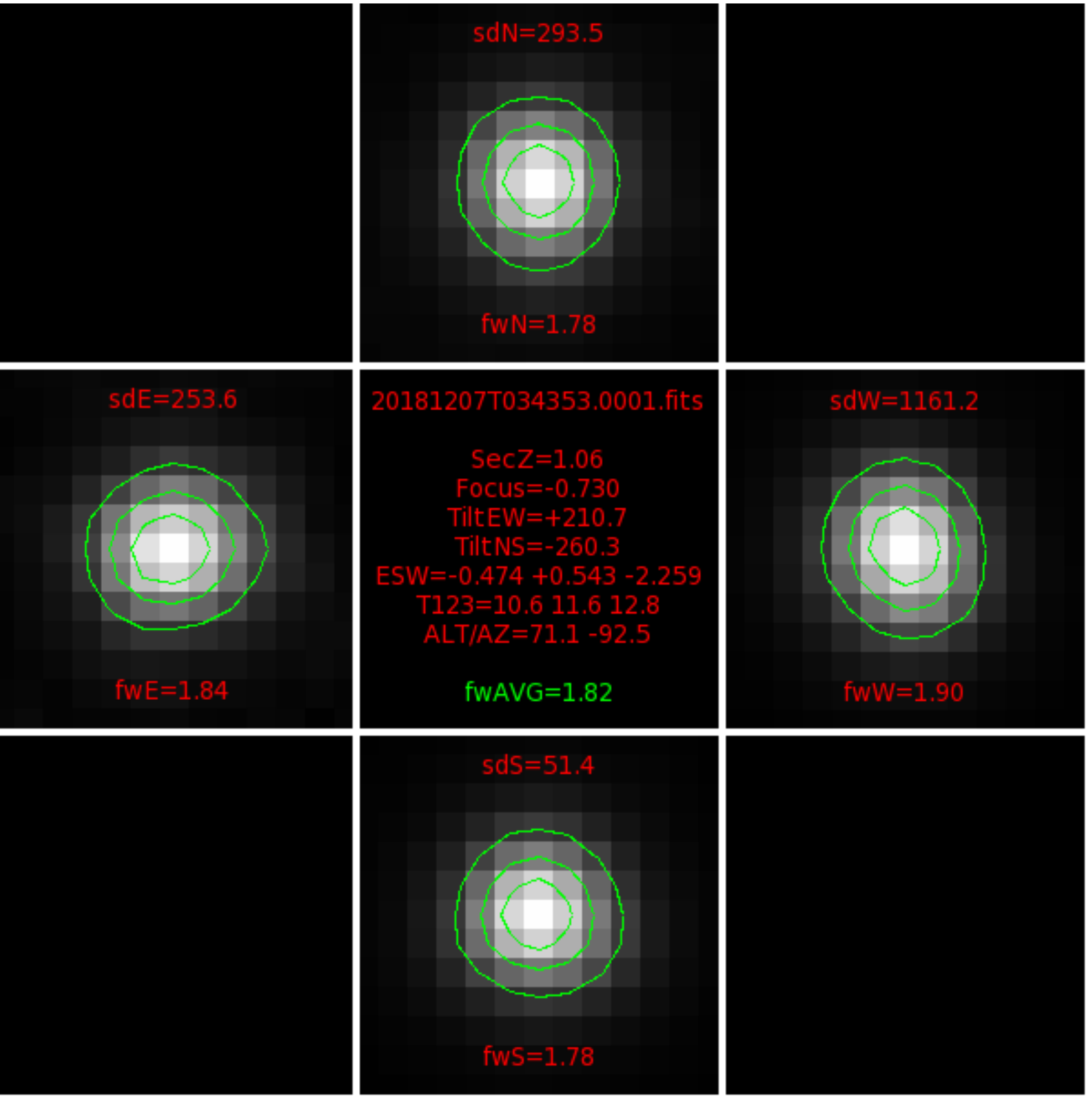
sdN=293.5
fwN=1.78
sdE=253.6
fwE=1.84
20181207T034353.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.6 12.8
ALT/AZ=71.1 -92.5
fwAVG=1.82
sdW=1161.2
fwW=1.90
sdS=51.4
fwS=1.78
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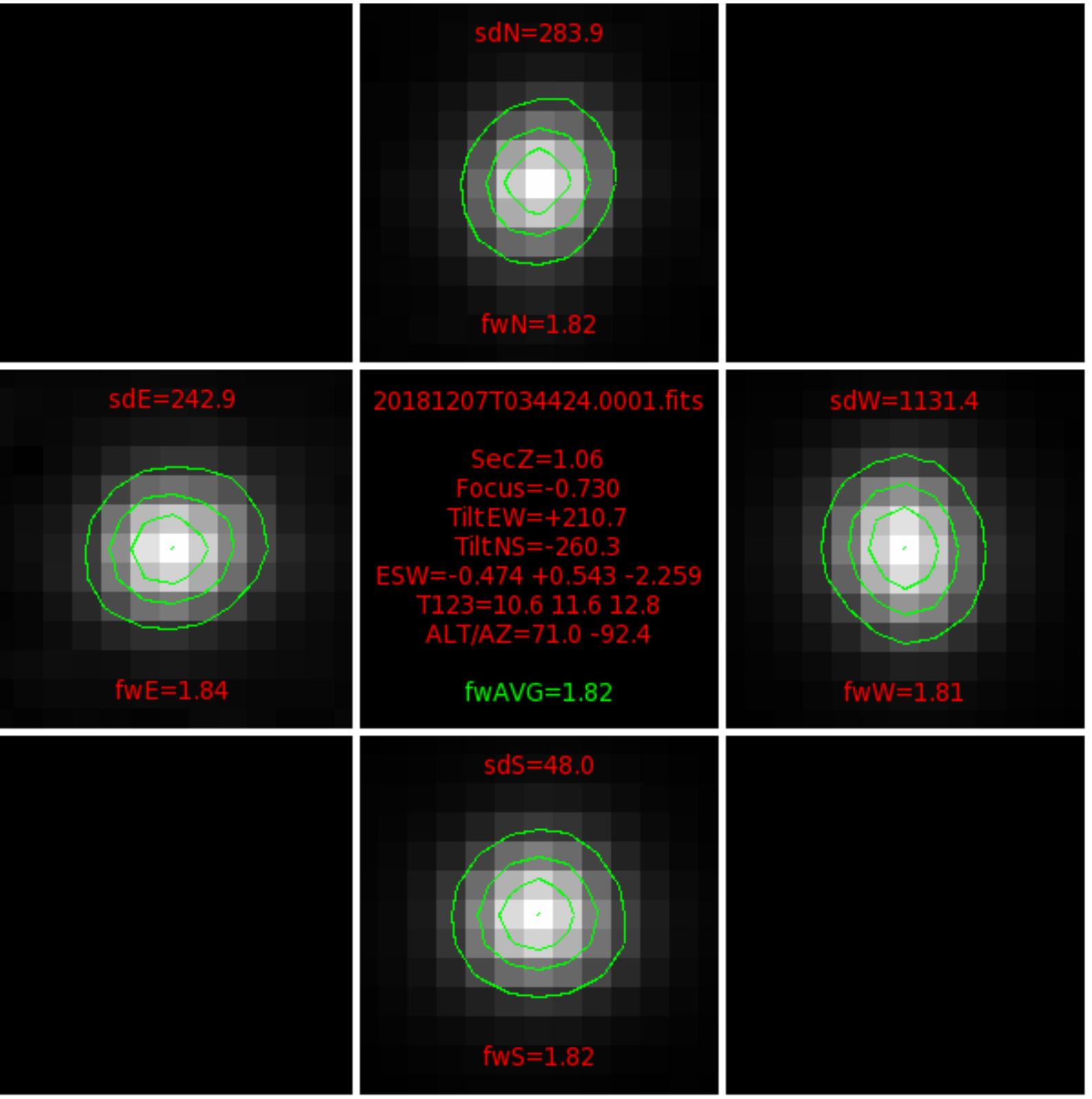
sdN=283.9
fwN=1.82
sdE=242.9
fwE=1.84
20181207T034424.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.6 12.8
ALT/AZ=71.0 -92.4
fwAVG=1.82
sdW=1131.4
fwW=1.81
sdS=48.0
fwS=1.82
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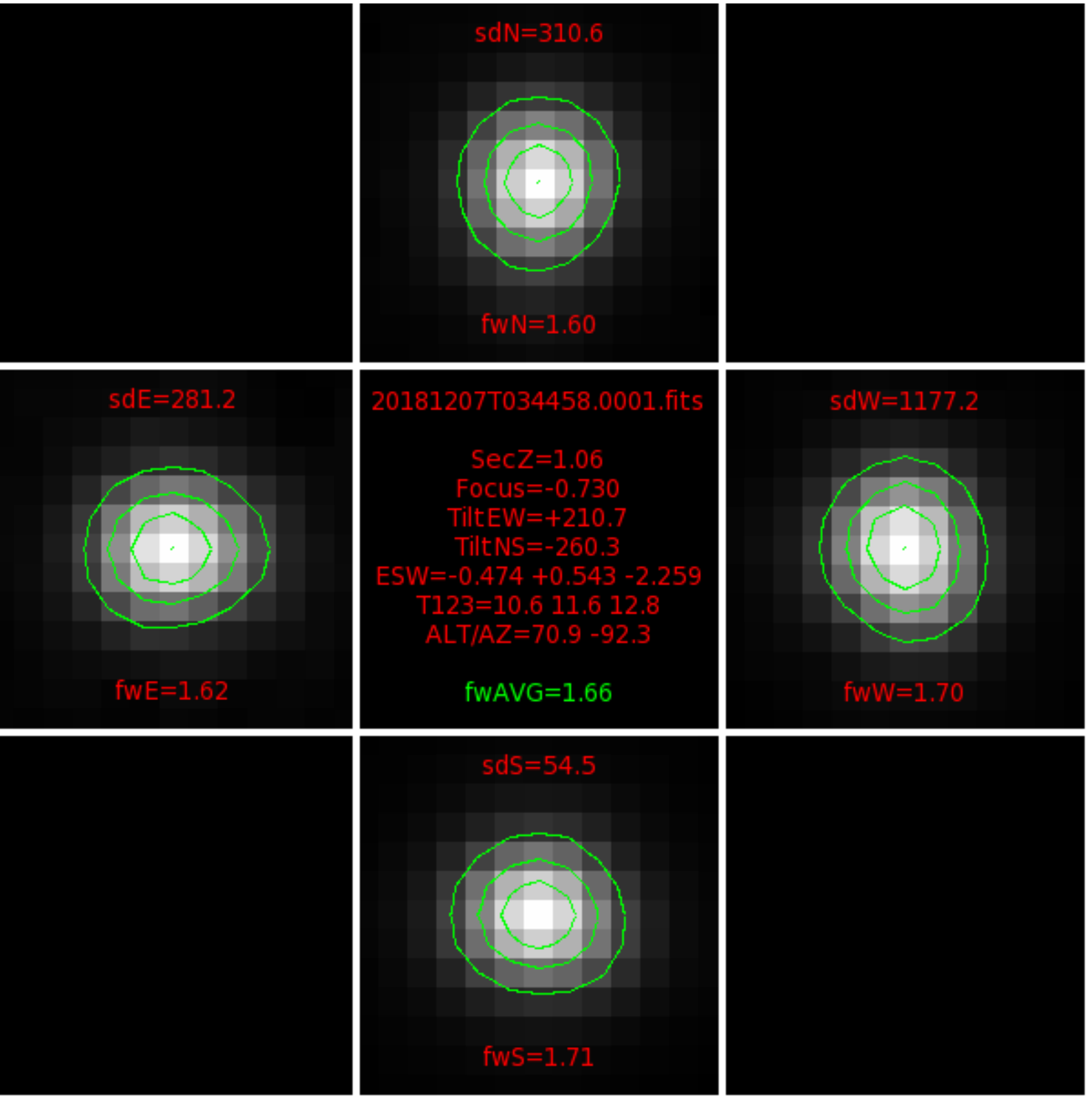
sdN=310.6
fwN=1.60
sdE=281.2
fwE=1.62
20181207T034458.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.6 12.8
ALT/AZ=70.9 -92.3
fwAVG=1.66
sdW=1177.2
fwW=1.70
sdS=54.5
fwS=1.71
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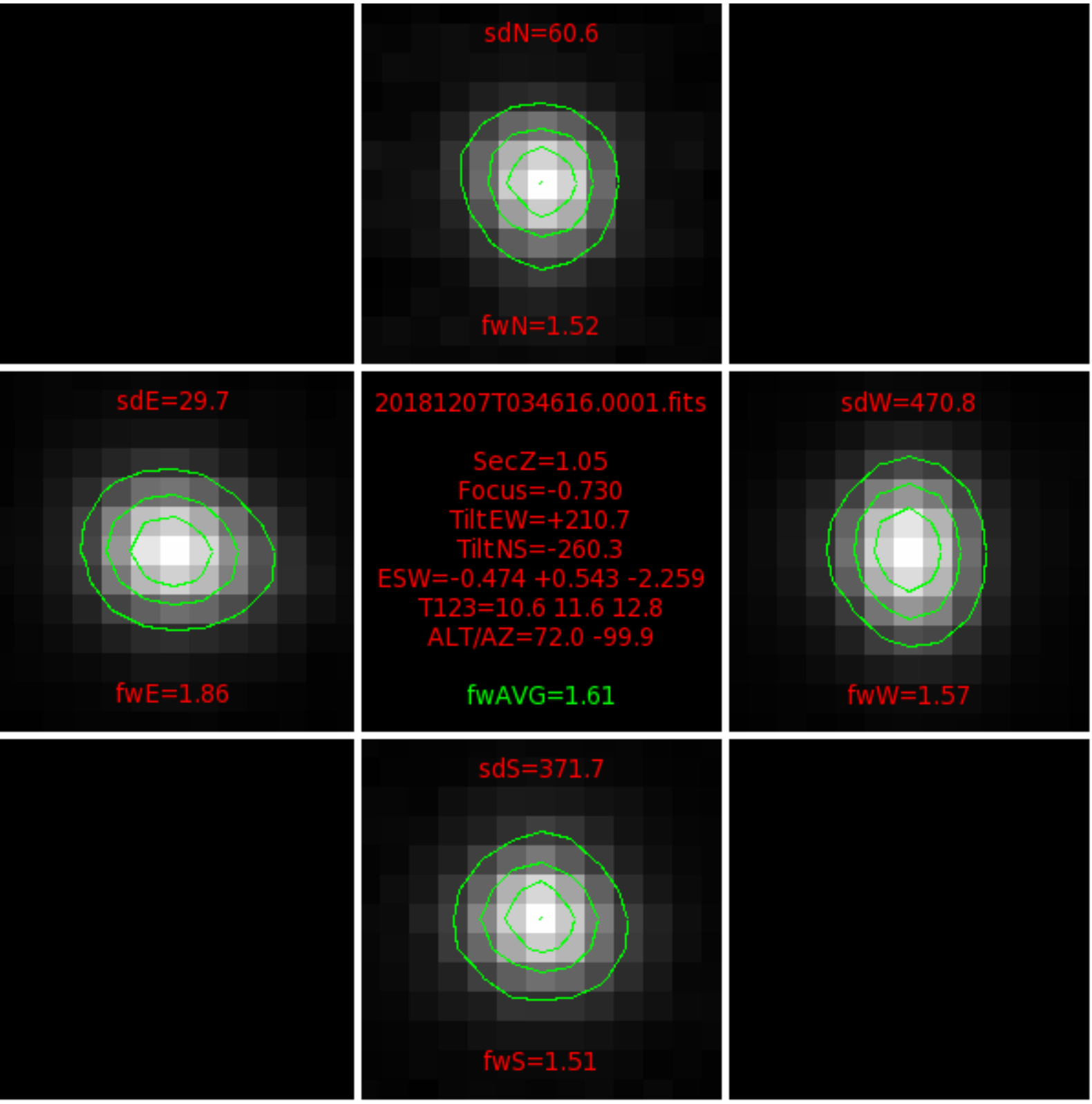
sdN=60.6
fwN=1.52
sdE=29.7
fwE=1.86
20181207T034616.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.6 12.8
ALT/AZ=72.0 -99.9
fwAVG=1.61
sdW=470.8
fwW=1.57
sdS=371.7
fwS=1.51
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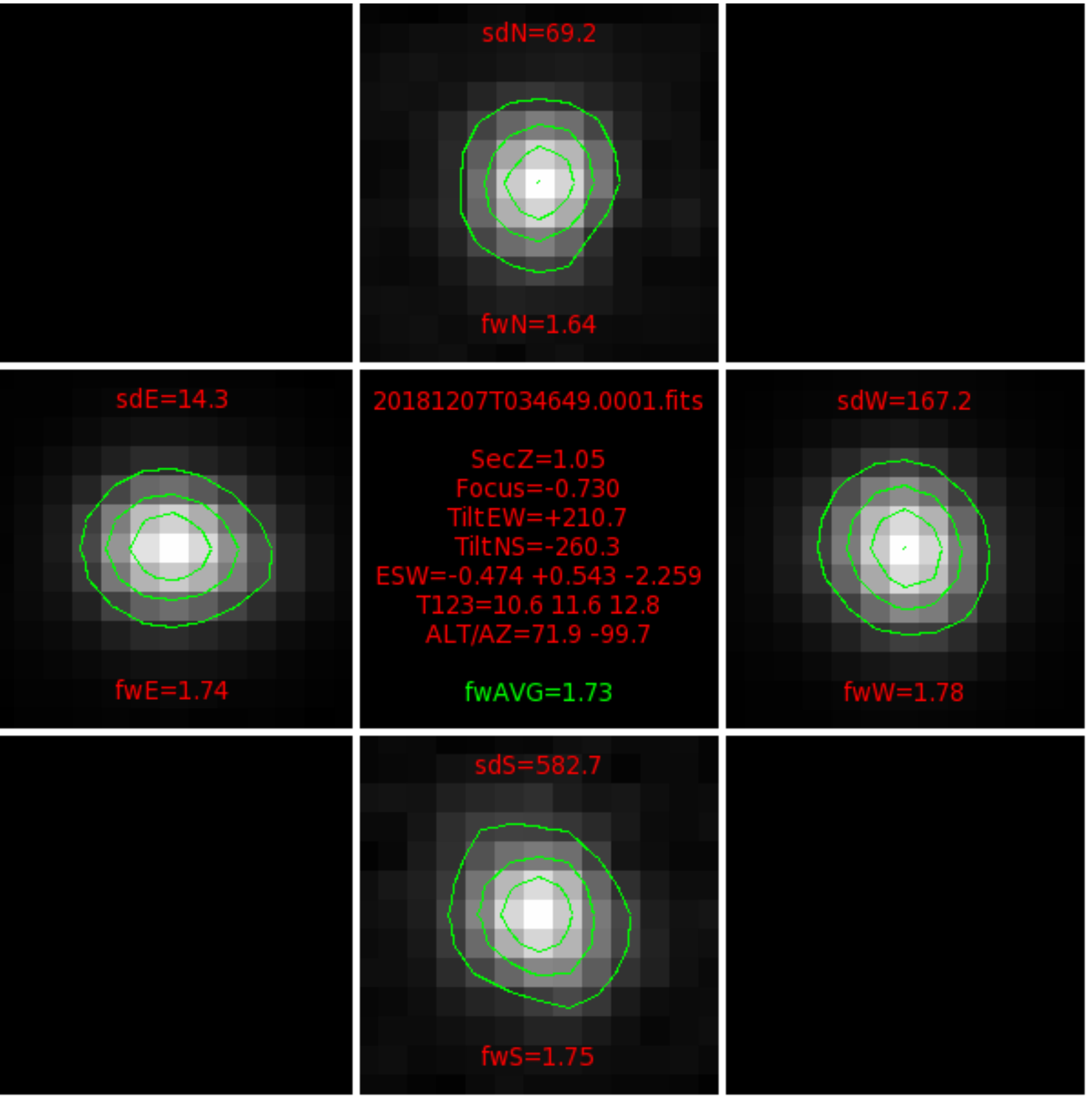
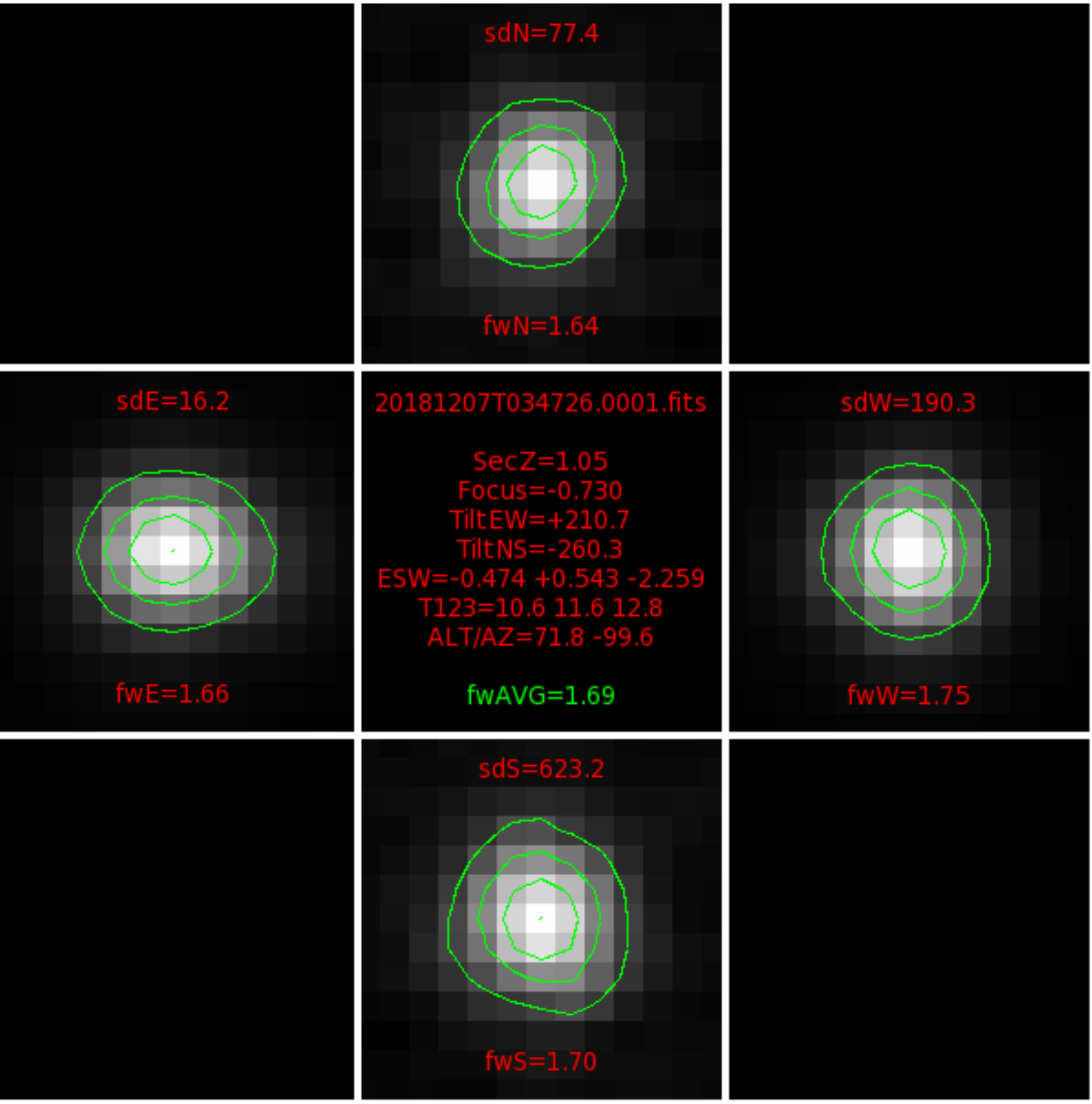

sdN=69.2
fwN=1.64
sdE=14.3
fwE=1.74
20181207T034649.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.6 12.8
ALT/AZ=71.9 -99.7
fwAVG=1.73
sdW=167.2
fwW=1.78
sdS=582.7
fwS=1.75
0 0 0 0 0 0 0 0 0


sdN=77.4
fwN=1.64
sdE=16.2
fwE=1.66
20181207T034726.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.6 12.8
ALT/AZ=71.8 -99.6
fwAVG=1.69
sdW=190.3
fwW=1.75
sdS=623.2
fwS=1.70
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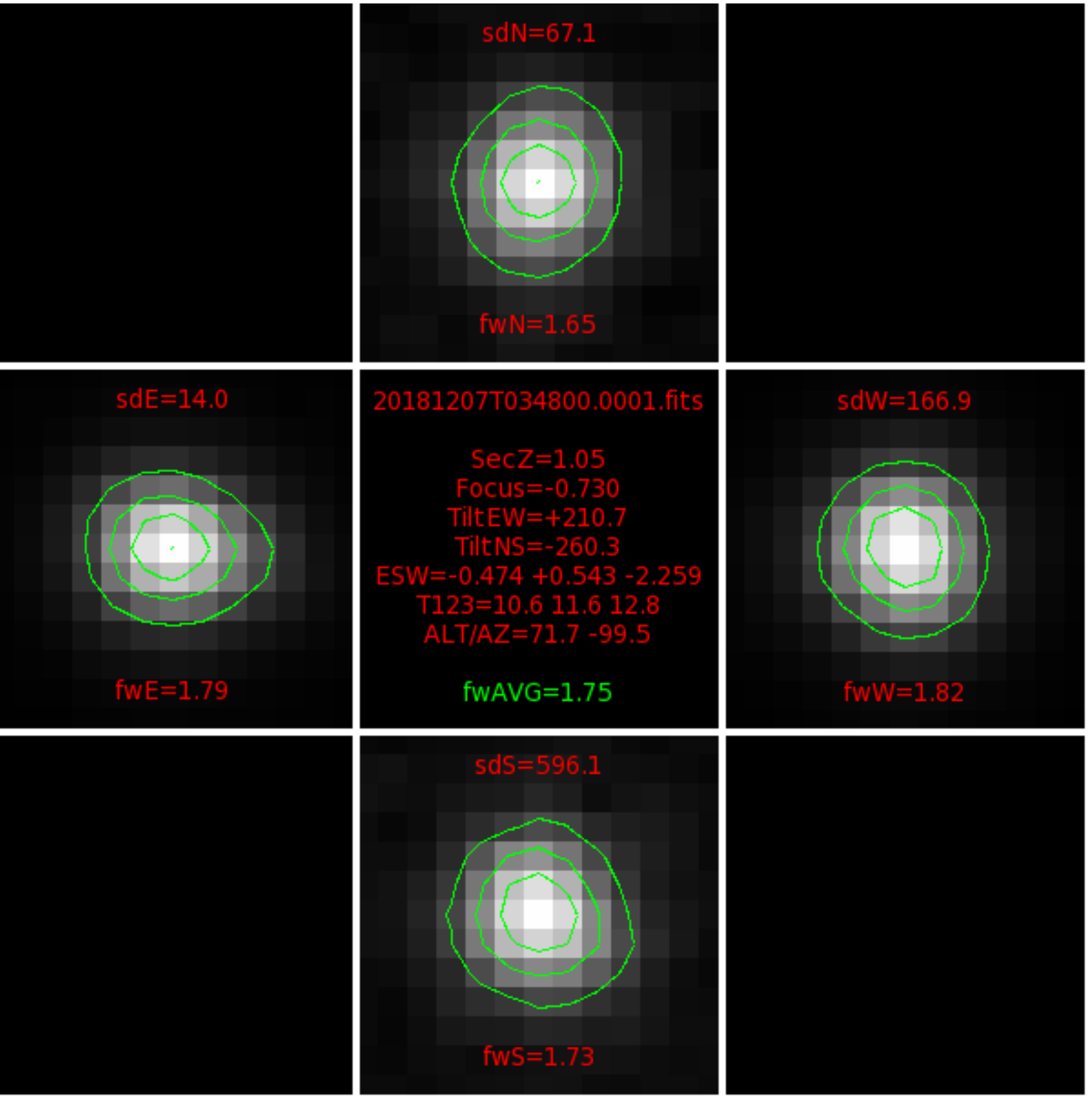
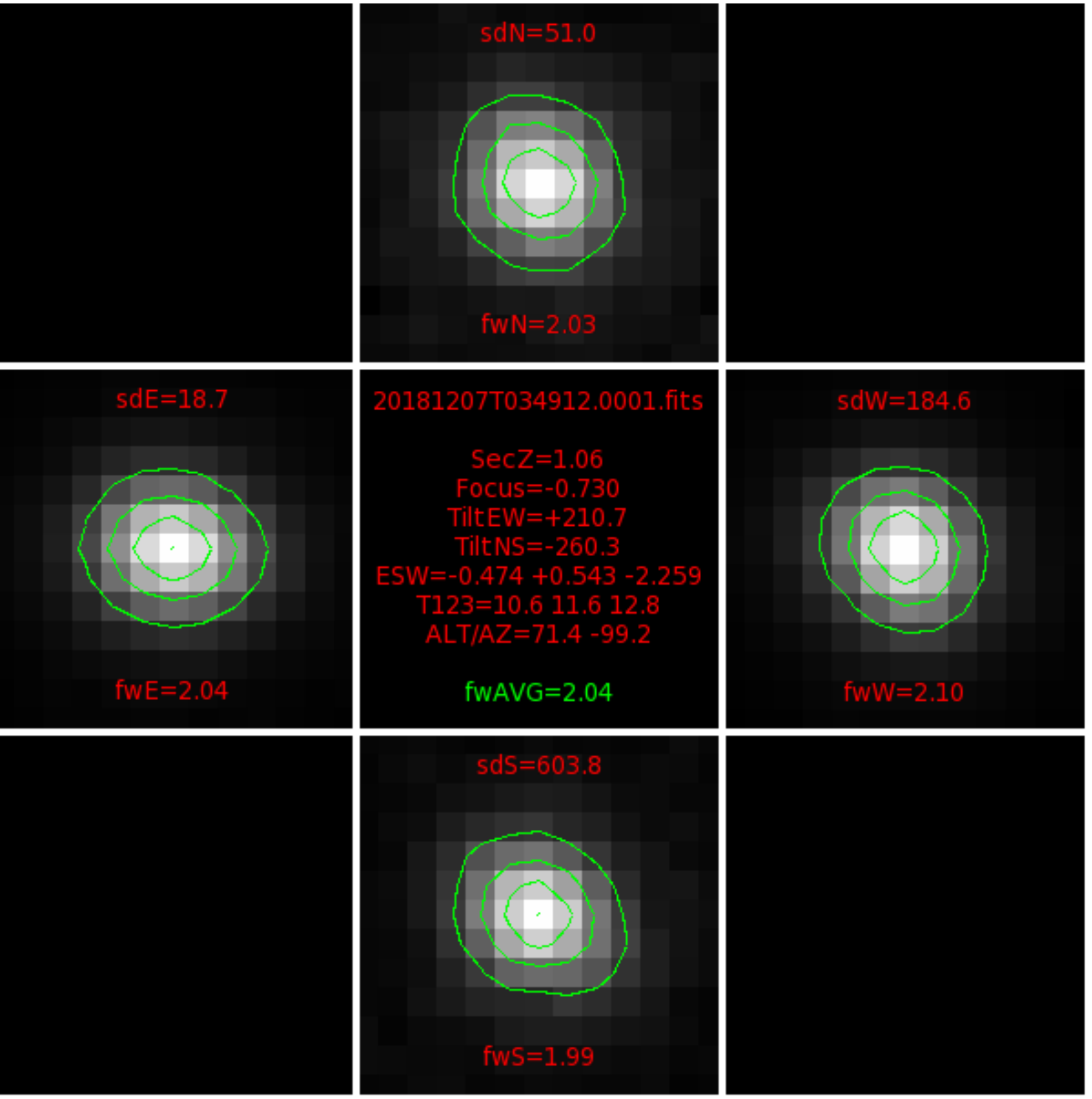

sdN=67.1
fwN=1.65
sdE=14.0
fwE=1.79
20181207T034800.0001.fits
SecZ=1.05
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.6 12.8
ALT/AZ=71.7 -99.5
fwAVG=1.75
sdW=166.9
fwW=1.82
sdS=596.1
fwS=1.73
0 0 0 0 0 0 0 0 0


sdN=51.0
fwN=2.03
sdE=18.7
fwE=2.04
20181207T034912.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.6 12.8
ALT/AZ=71.4 -99.2
fwAVG=2.04
sdW=184.6
fwW=2.10
sdS=603.8
fwS=1.99
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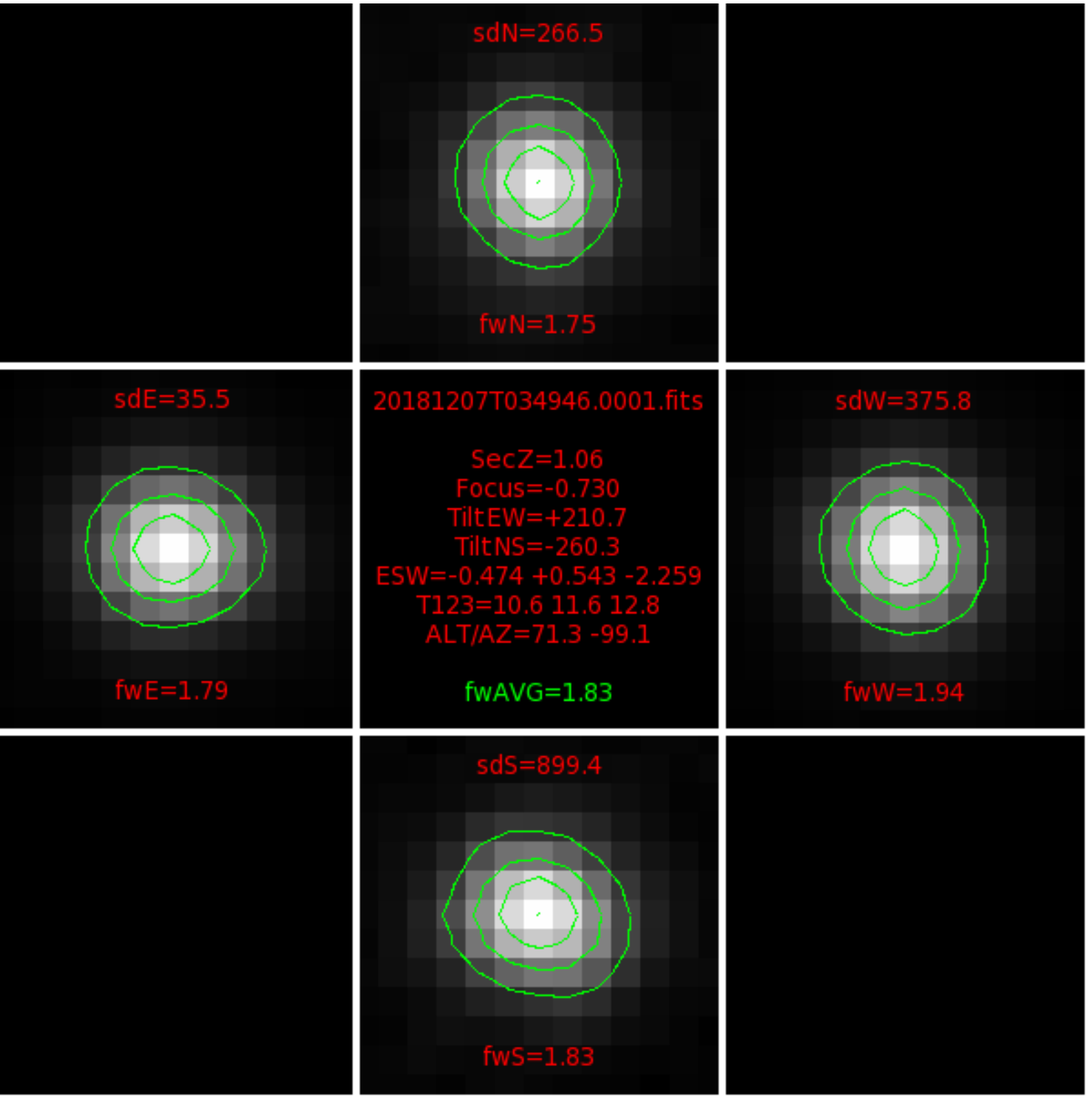
sdN=266.5
fwN=1.75
sdE=35.5
fwE=1.79
20181207T034946.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.6 12.8
ALT/AZ=71.3 -99.1
fwAVG=1.83
sdW=375.8
fwW=1.94
sdS=899.4
fwS=1.83
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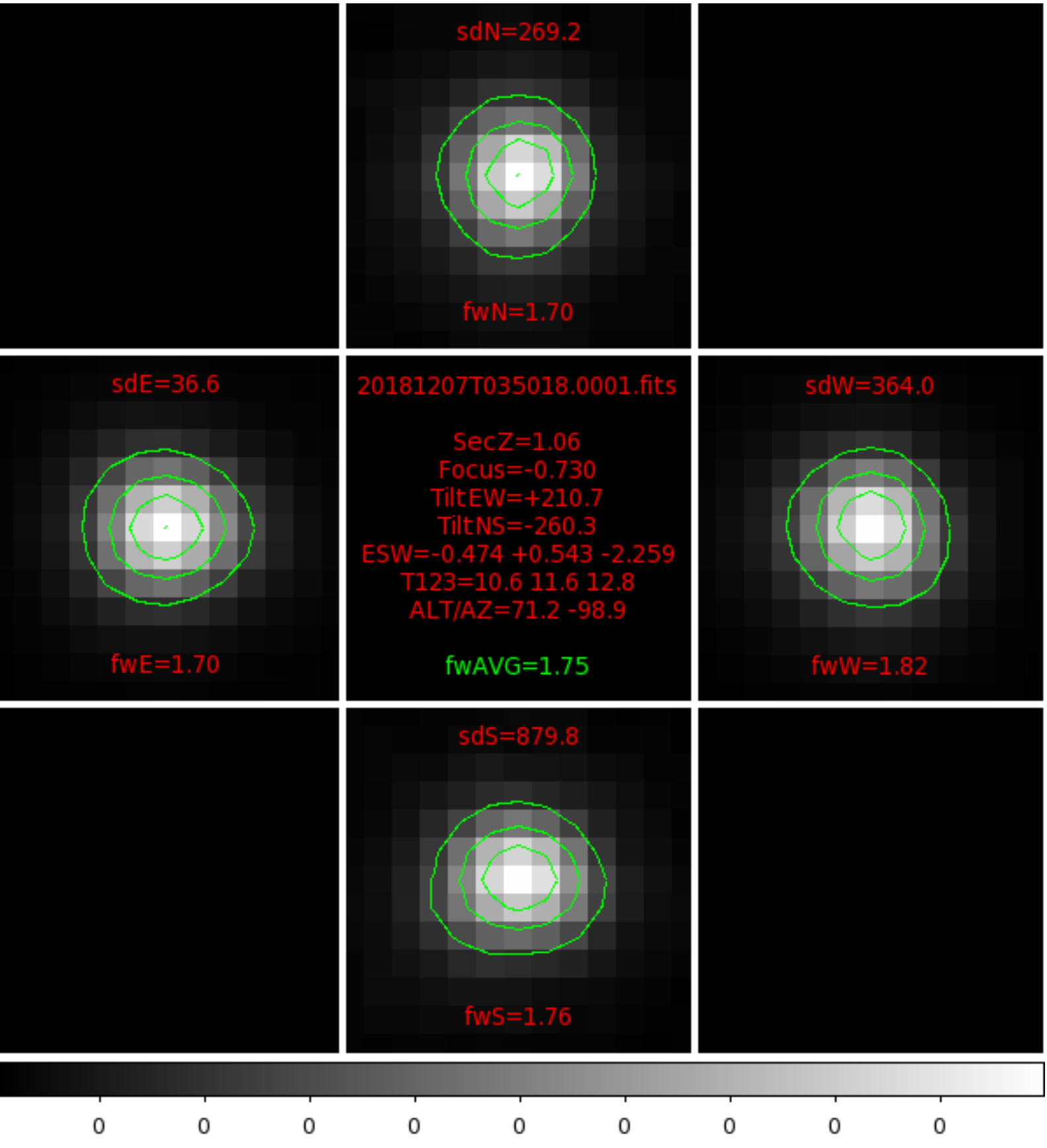
sdN=269.2
fwN=1.70
sdE=36.6
fwE=1.70
20181207T035018.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.6 12.8
ALT/AZ=71.2 -98.9
fwAVG=1.75
sdW=364.0
fwW=1.82
sdS=879.8
fwS=1.76
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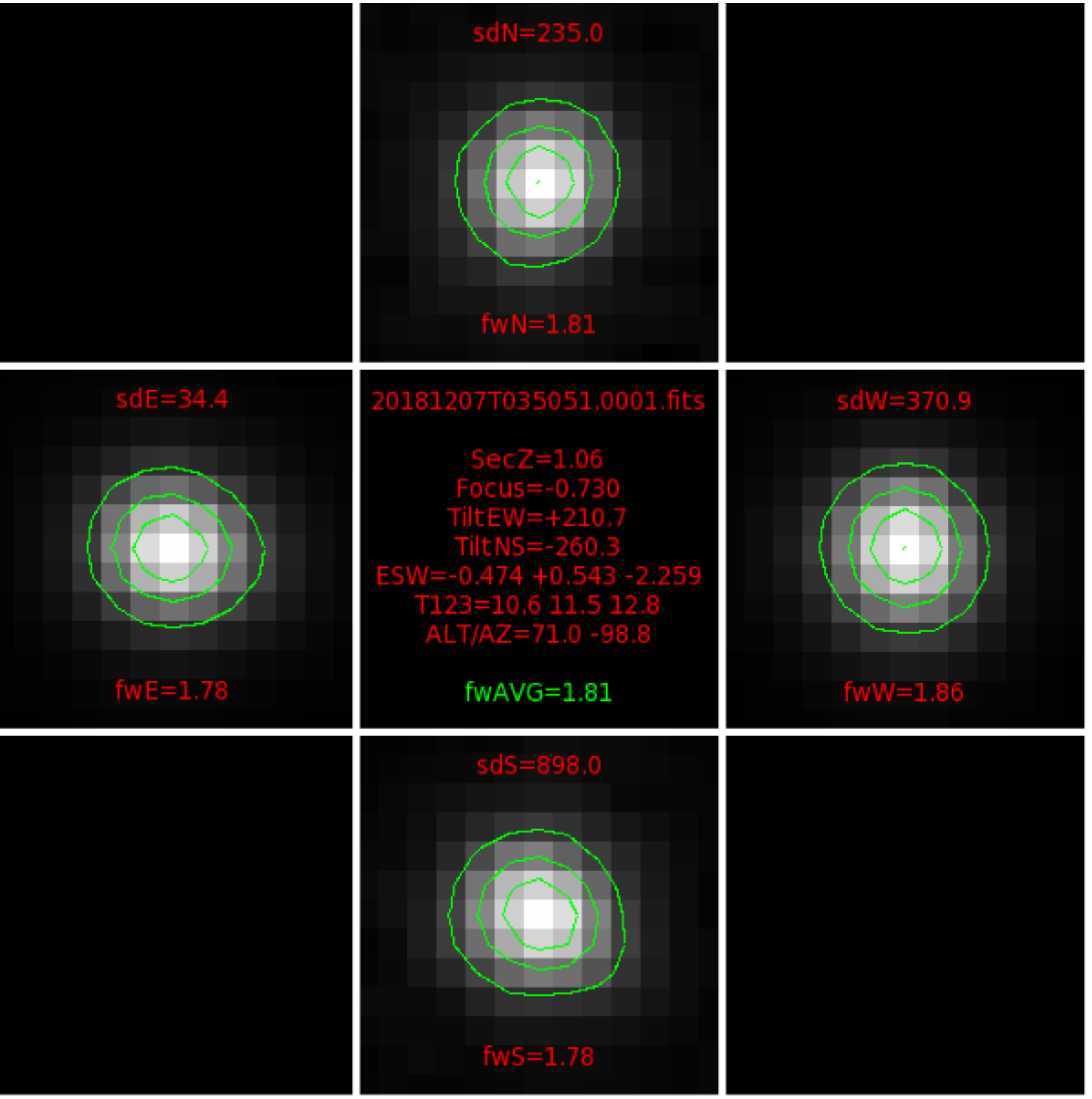
sdN=235.0
fwN=1.81
sdE=34.4
fwE=1.78
20181207T035051.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.5 12.8
ALT/AZ=71.0 -98.8
fwAVG=1.81
sdW=370.9
fwW=1.86
sdS=898.0
fwS=1.78
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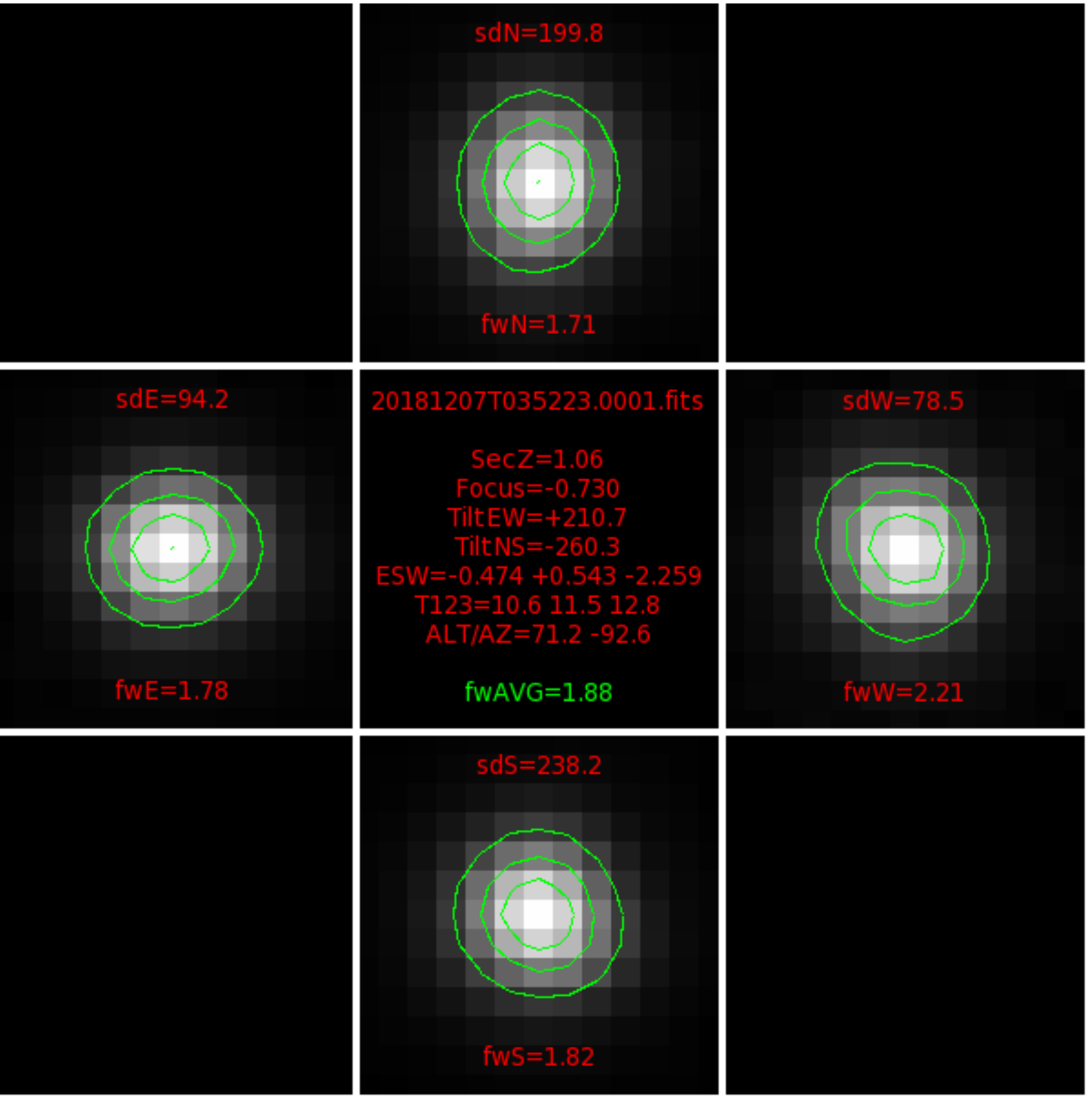
sdN=199.8
fwN=1.71
sdE=94.2
fwE=1.78
20181207T035223.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.5 12.8
ALT/AZ=71.2 -92.6
fwAVG=1.88
sdW=78.5
fwW=2.21
sdS=238.2
fwS=1.82
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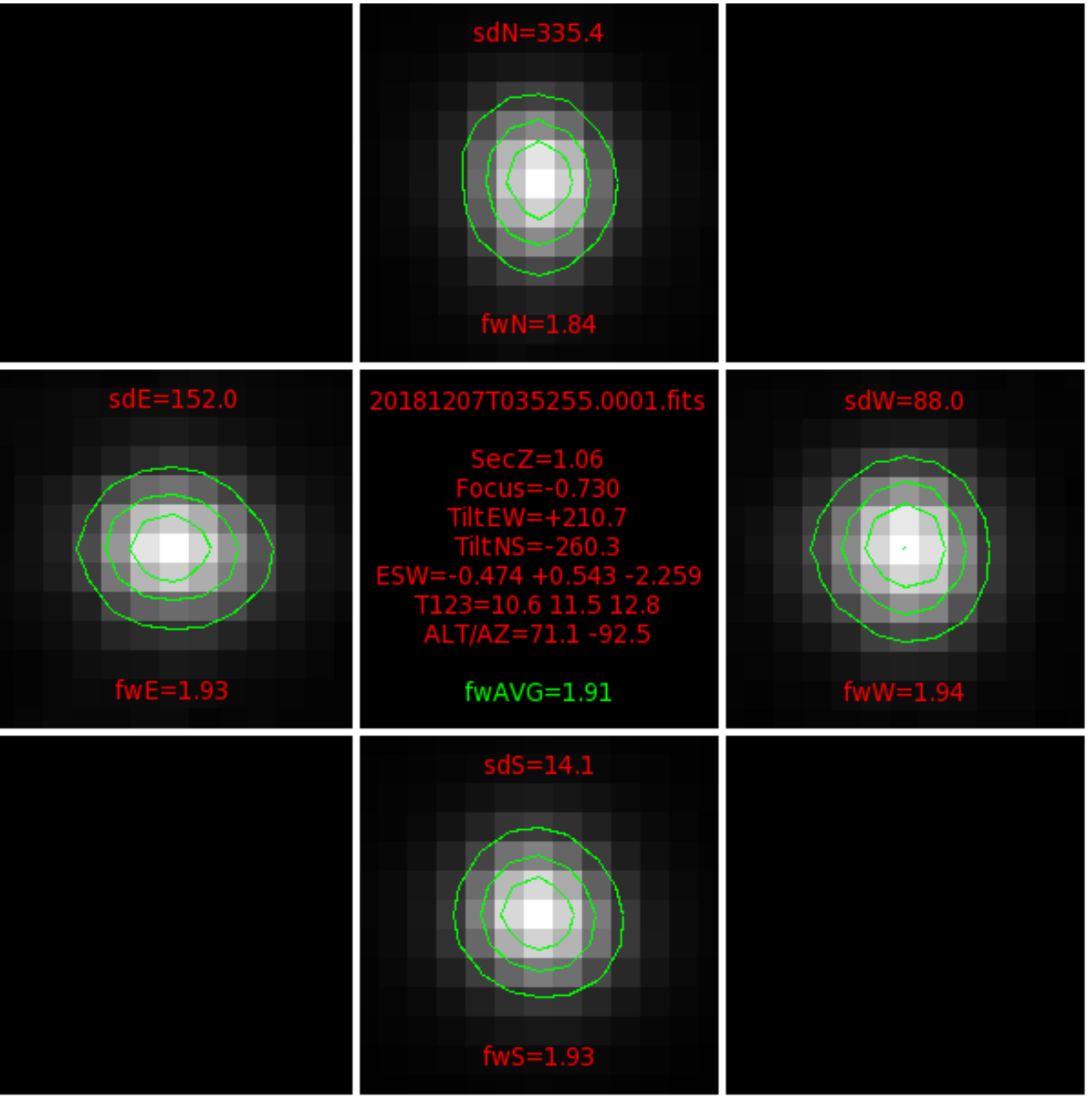
sdN=335.4
fwN=1.84
sdE=152.0
fwE=1.93
20181207T035255.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.5 12.8
ALT/AZ=71.1 -92.5
fwAVG=1.91
sdW=88.0
fwW=1.94
sdS=14.1
fwS=1.93
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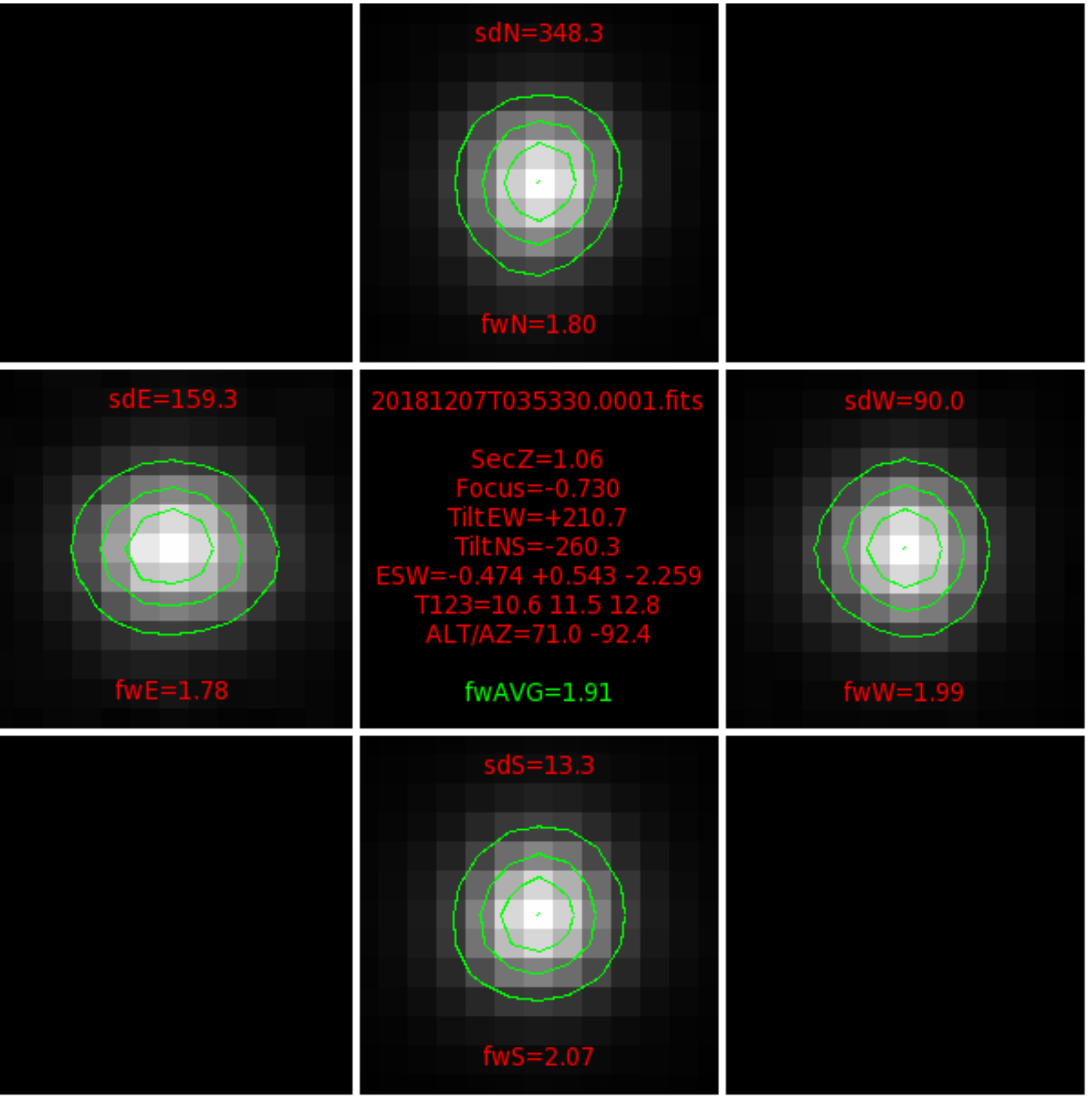
sdN=348.3
fwN=1.80
sdE=159.3
fwE=1.78
20181207T035330.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.6 11.5 12.8
ALT/AZ=71.0 -92.4
fwAVG=1.91
sdW=90.0
fwW=1.99
sdS=13.3
fwS=2.07
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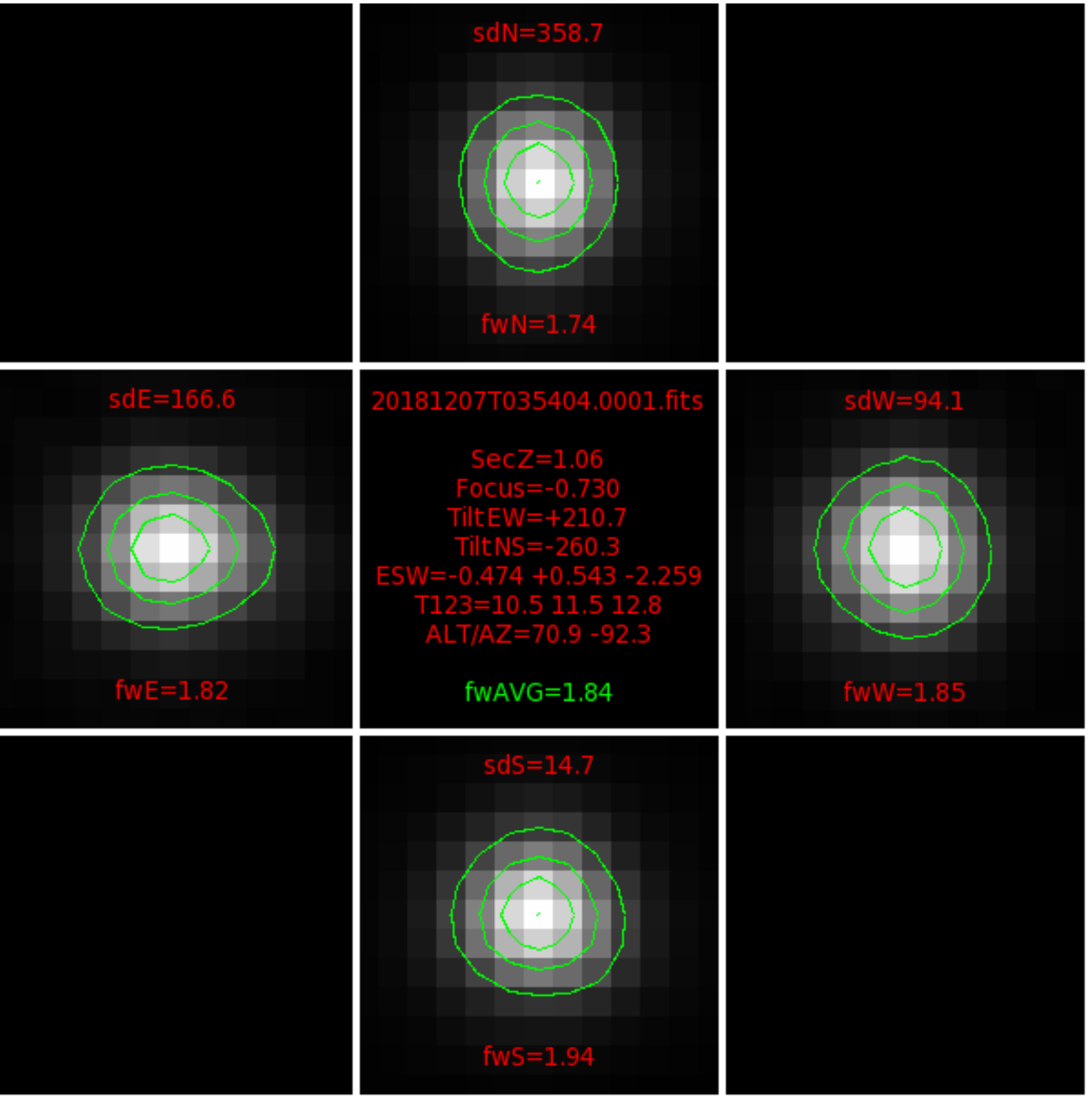
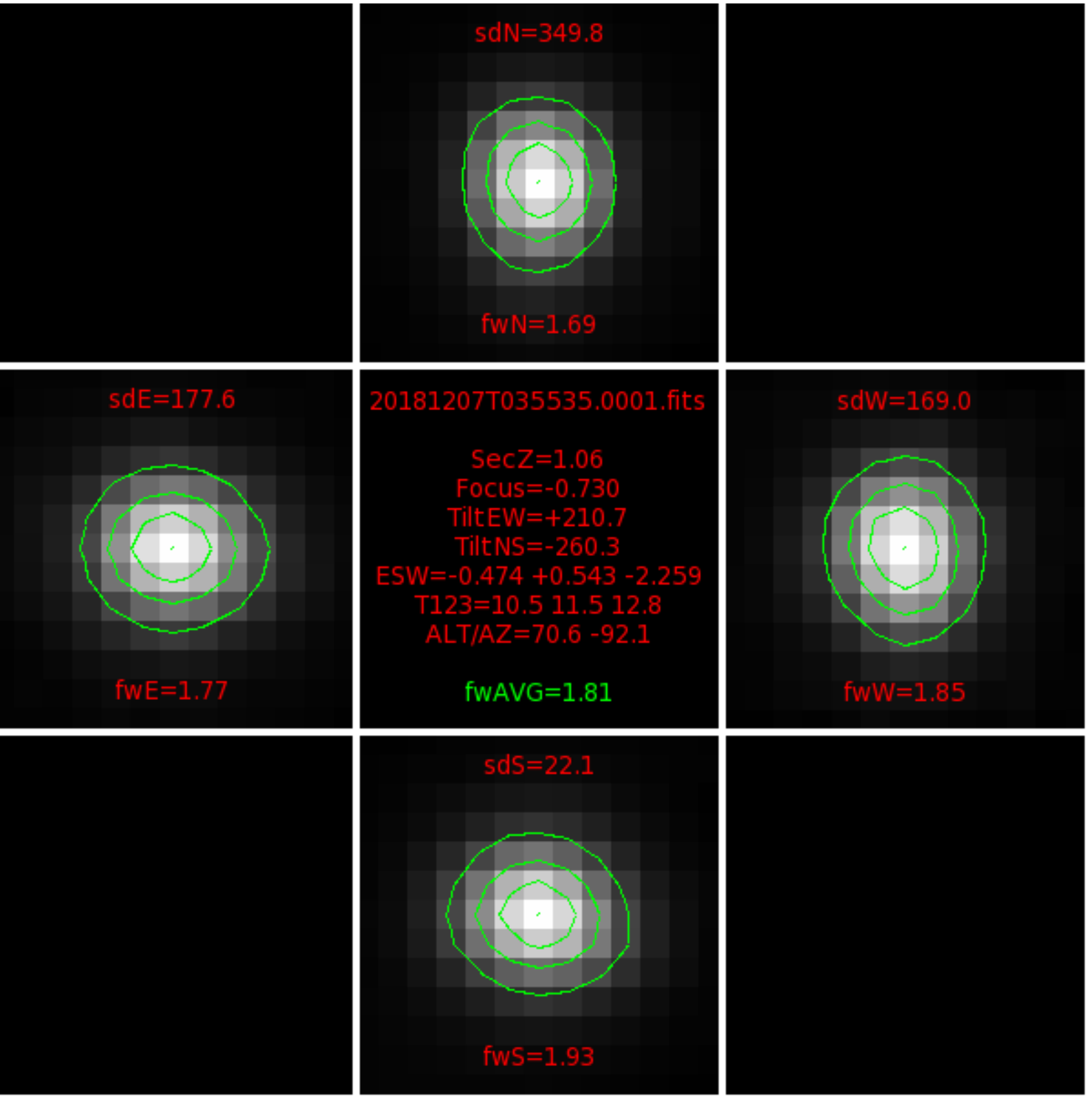

sdN=358.7
fwN=1.74
sdE=166.6
fwE=1.82
20181207T035404.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.5 11.5 12.8
ALT/AZ=70.9 -92.3
fwAVG=1.84
sdW=94.1
fwW=1.85
sdS=14.7
fwS=1.94
0 0 0 0 0 0 0 0 0


sdN=349.8
fwN=1.69
sdE=177.6
fwE=1.77
20181207T035535.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.5 11.5 12.8
ALT/AZ=70.6 -92.1
fwAVG=1.81
sdW=169.0
fwW=1.85
sdS=22.1
fwS=1.93
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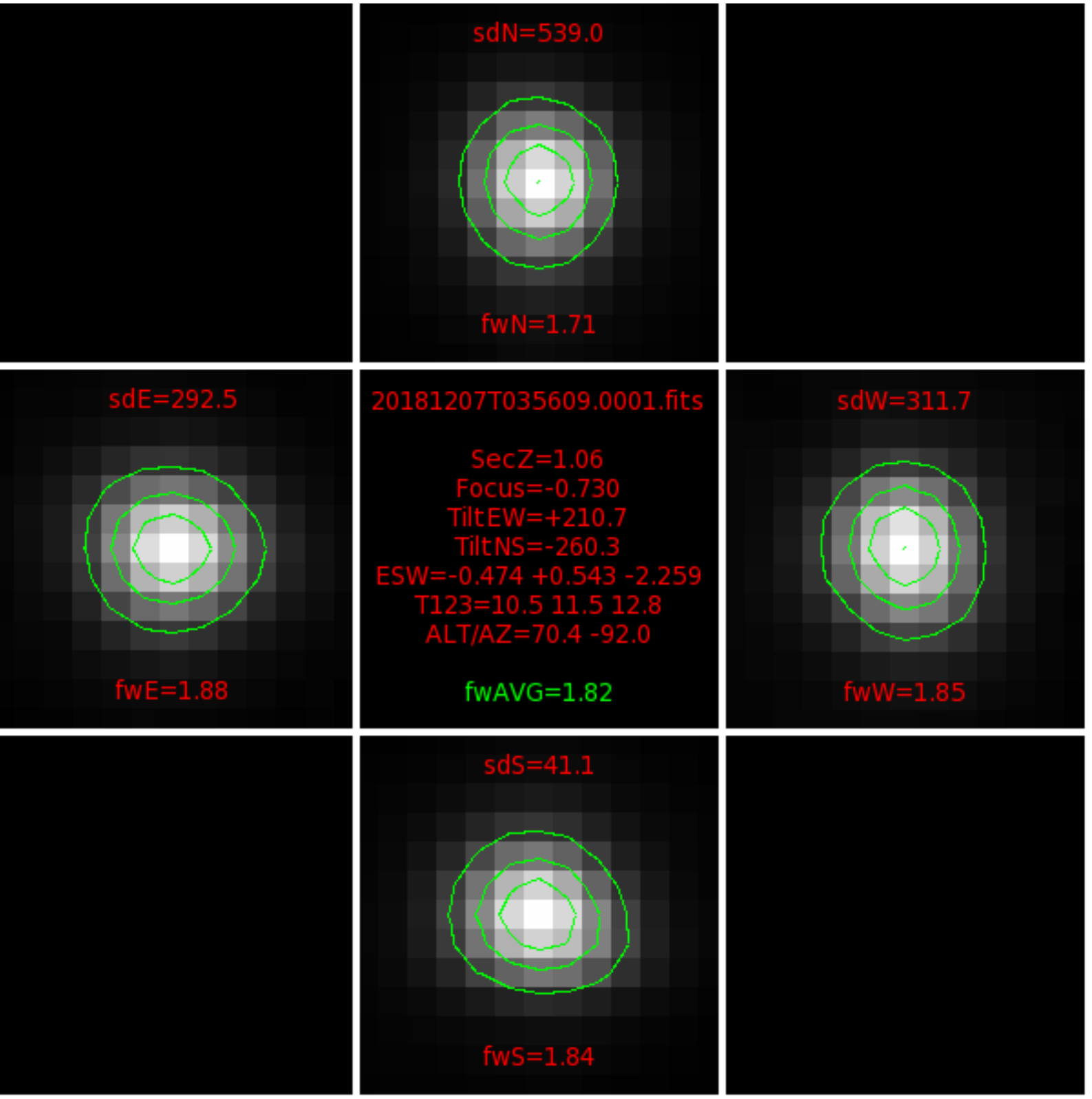
sdN=539.0
fwN=1.71
sdE=292.5
fwE=1.88
20181207T035609.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.5 11.5 12.8
ALT/AZ=70.4 -92.0
fwAVG=1.82
sdW=311.7
fwW=1.85
sdS=41.1
fwS=1.84
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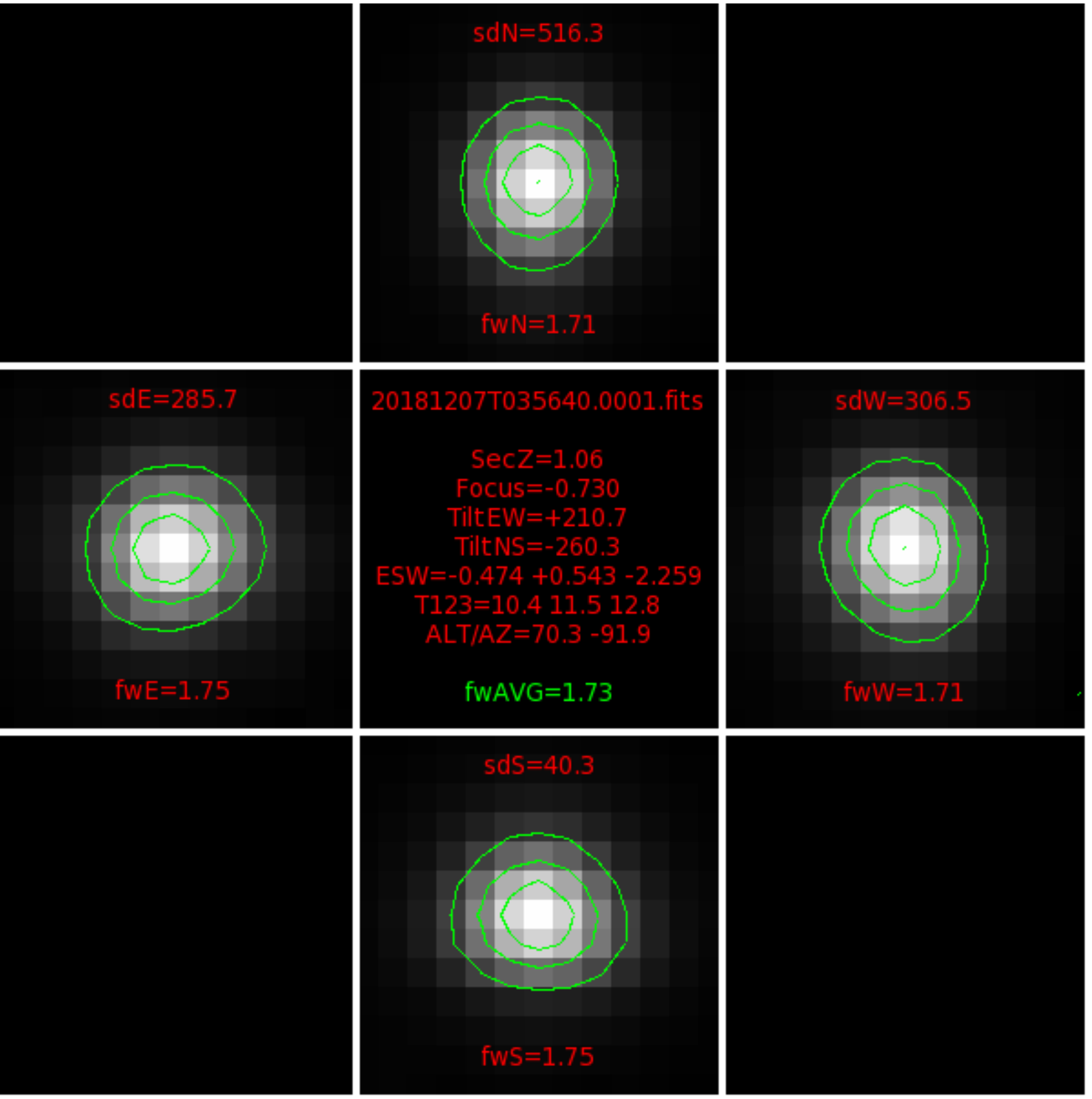
sdN=516.3
fwN=1.71
sdE=285.7
fwE=1.75
20181207T035640.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.4 11.5 12.8
ALT/AZ=70.3 -91.9
fwAVG=1.73
sdW=306.5
fwW=1.71
sdS=40.3
fwS=1.75
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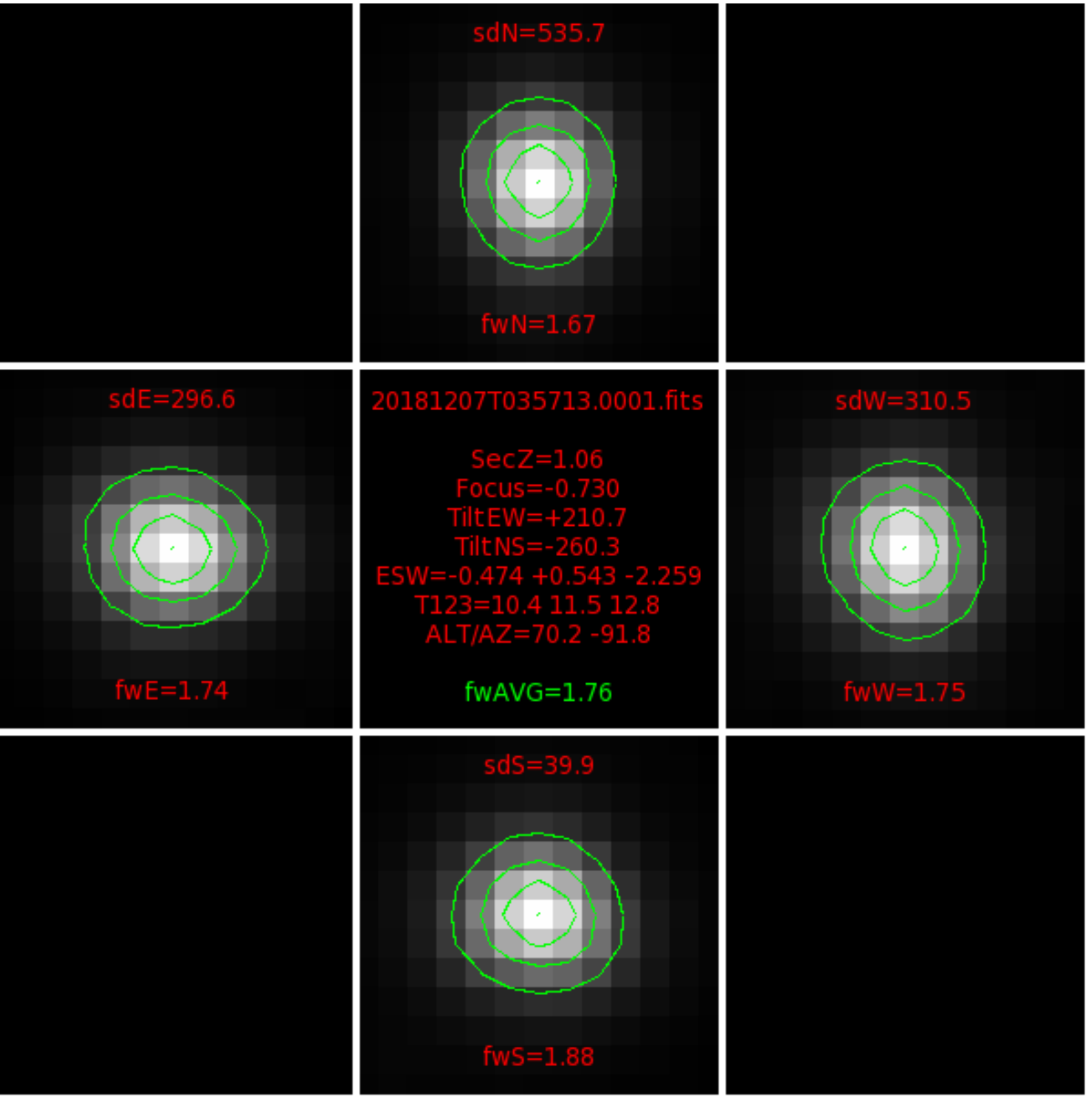
sdN=535.7
fwN=1.67
sdE=296.6
fwE=1.74
20181207T035713.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.4 11.5 12.8
ALT/AZ=70.2 -91.8
fwAVG=1.76
sdW=310.5
fwW=1.75
sdS=39.9
fwS=1.88
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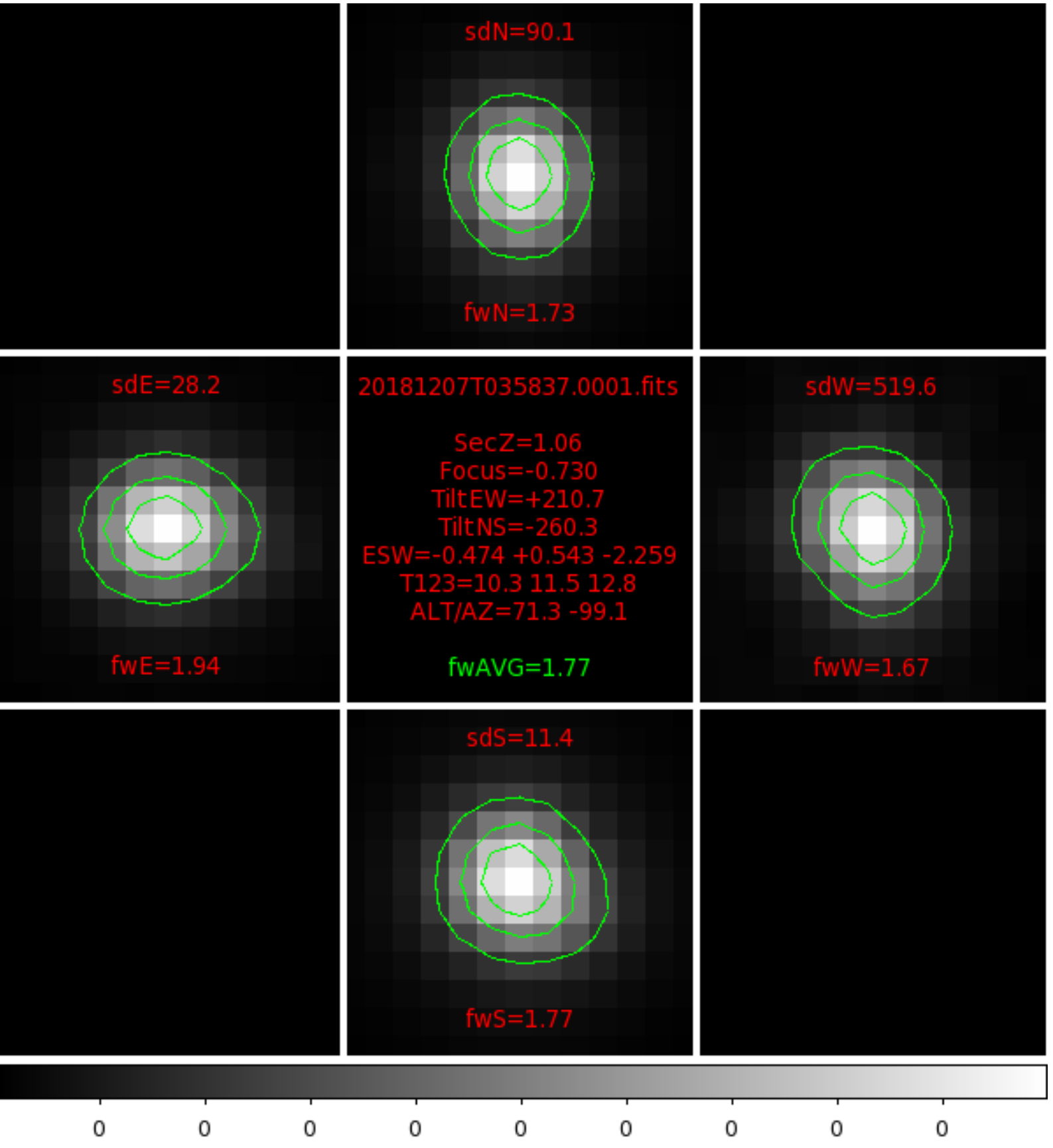
sdN=90.1
fwN=1.73
sdE=28.2
fwE=1.94
20181207T035837.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.3 11.5 12.8
ALT/AZ=71.3 -99.1
fwAVG=1.77
sdW=519.6
fwW=1.67
sdS=11.4
fwS=1.77
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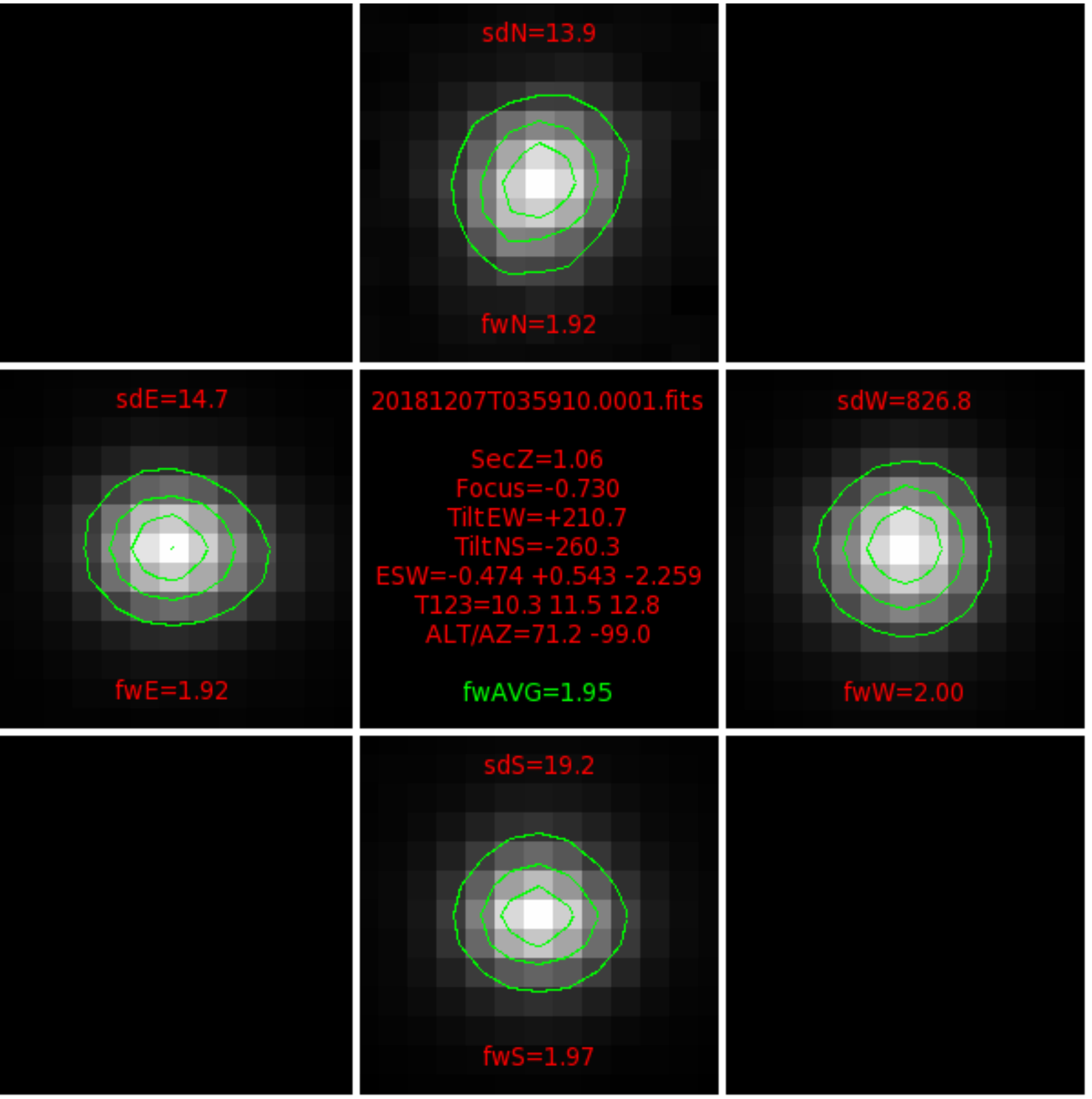
sdN=13.9
fwN=1.92
sdE=14.7
fwE=1.92
20181207T035910.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.3 11.5 12.8
ALT/AZ=71.2 -99.0
fwAVG=1.95
sdW=826.8
fwW=2.00
sdS=19.2
fwS=1.97
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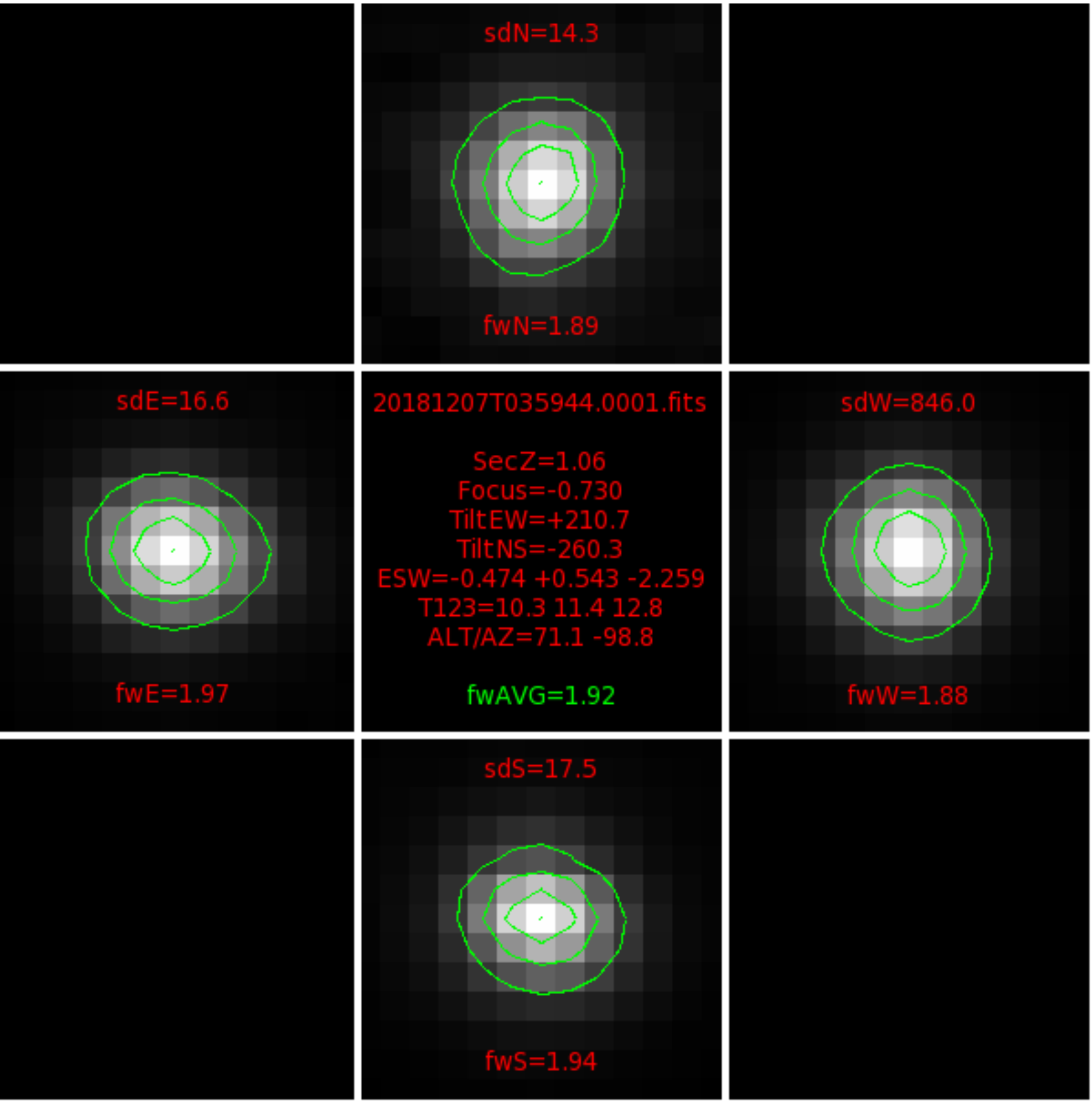
sdN=14.3
fwN=1.89
sdE=16.6
fwE=1.97
20181207T035944.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.3 11.4 12.8
ALT/AZ=71.1 -98.8
fwAVG=1.92
sdW=846.0
fwW=1.88
sdS=17.5
fwS=1.94
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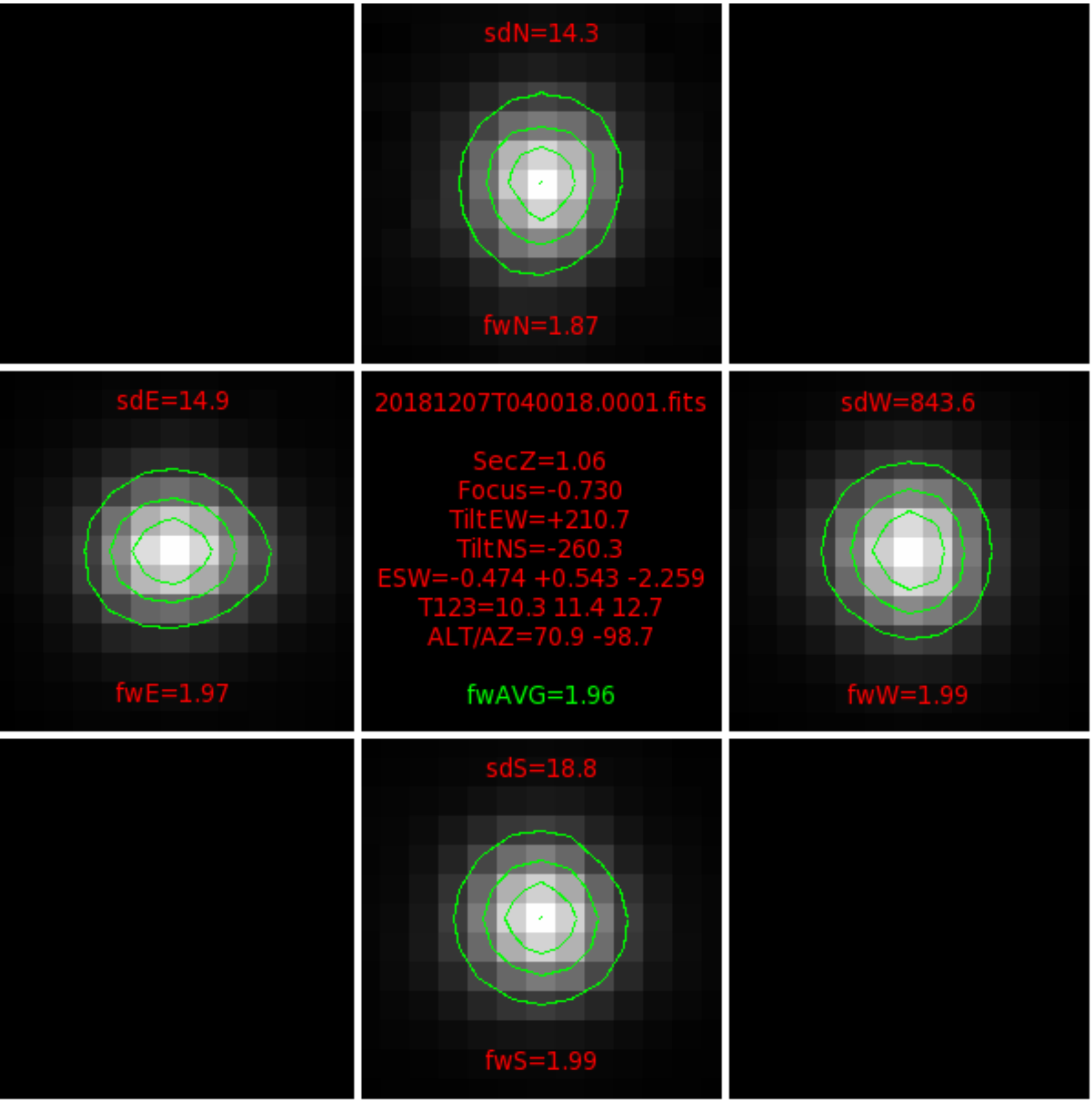
sdN=14.3
fwN=1.87
sdE=14.9
fwE=1.97
20181207T040018.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.3 11.4 12.7
ALT/AZ=70.9 -98.7
fwAVG=1.96
sdW=843.6
fwW=1.99
sdS=18.8
fwS=1.99
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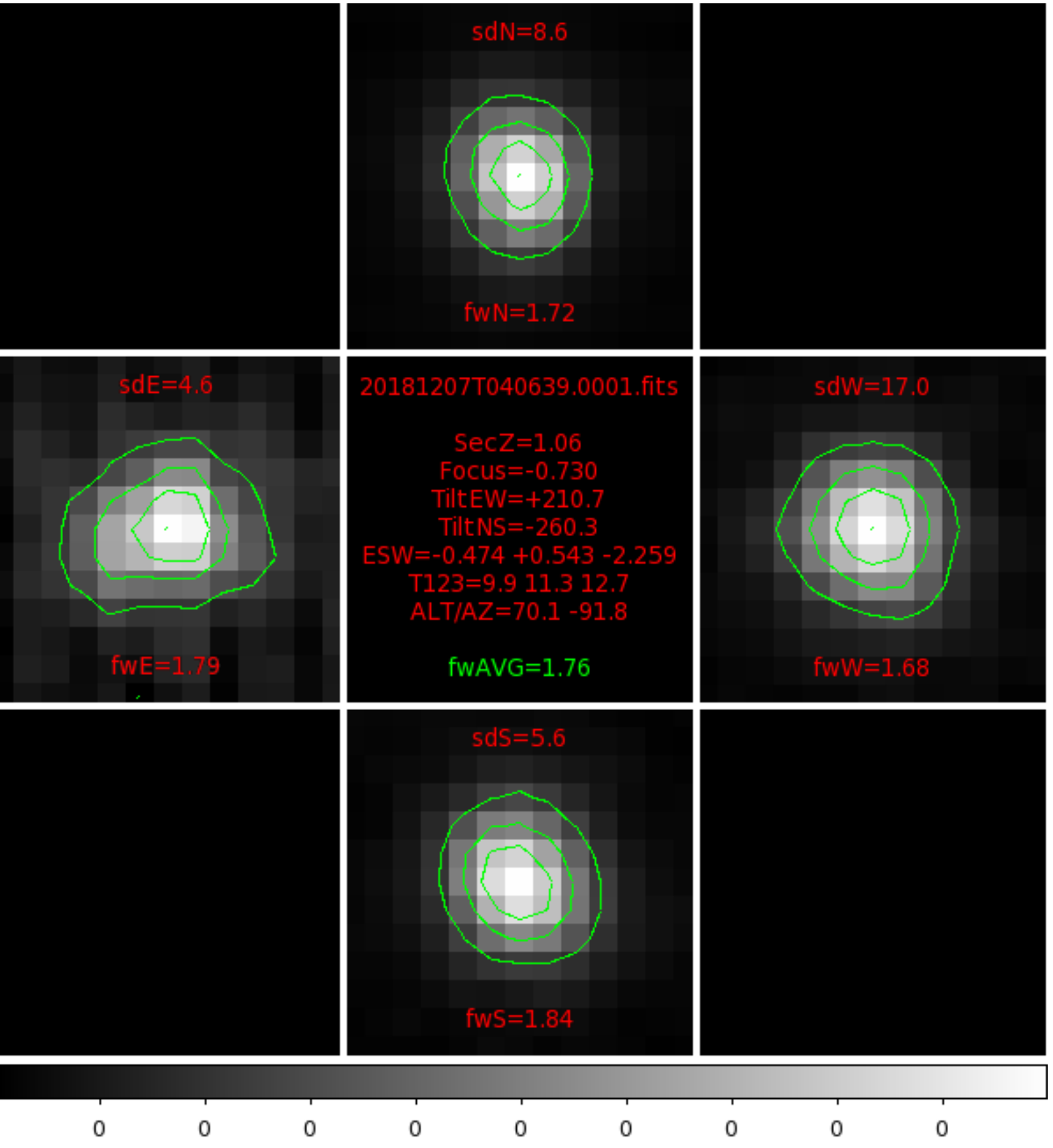
sdN=8.6
fwN=1.72
sdE=4.6
fwE=1.79
20181207T040639.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.9 11.3 12.7
ALT/AZ=70.1 -91.8
fwAVG=1.76
sdW=17.0
fwW=1.68
sdS=5.6
fwS=1.84
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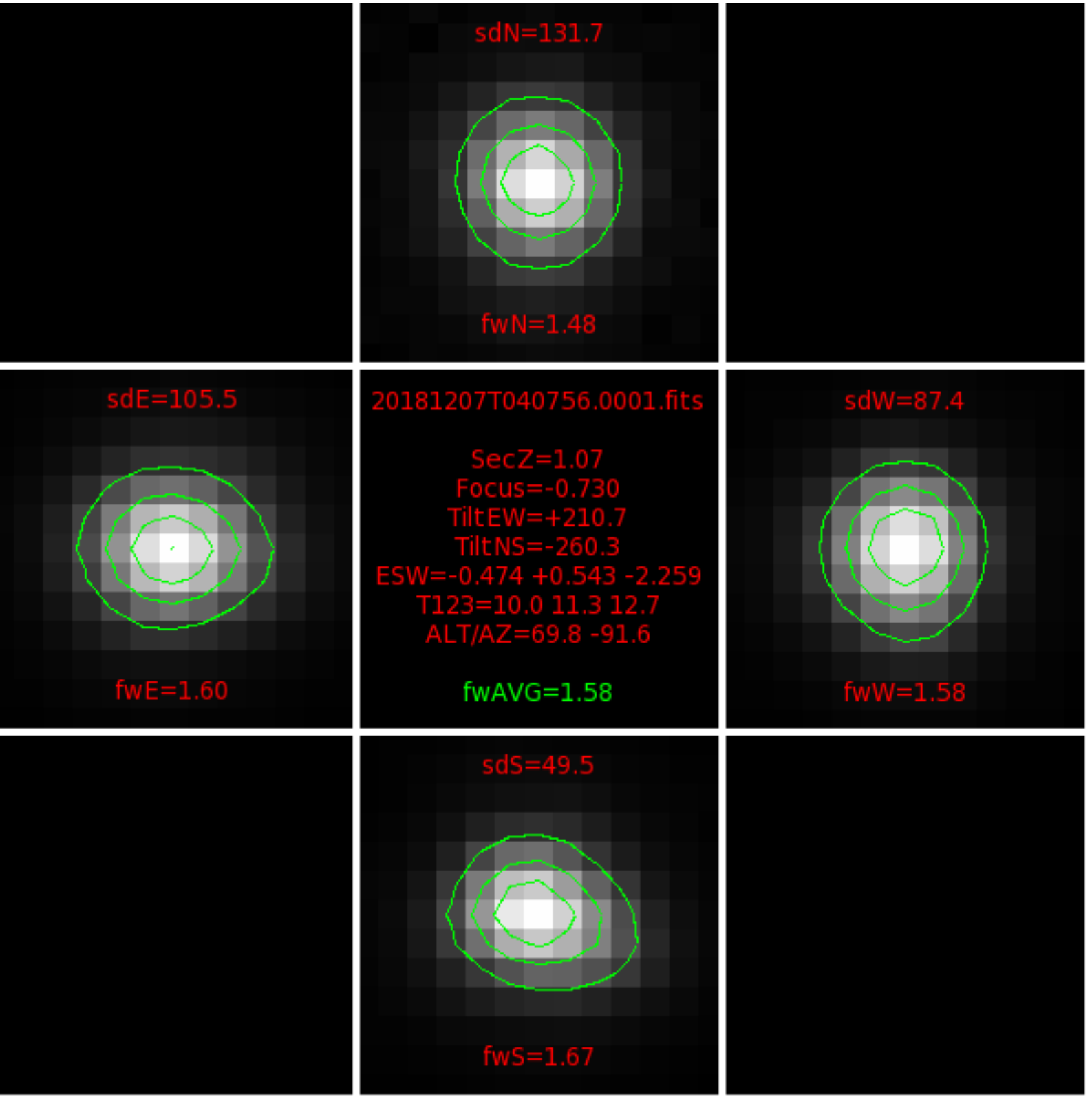
sdN=131.7
fwN=1.48
sdE=105.5
fwE=1.60
20181207T040756.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.0 11.3 12.7
ALT/AZ=69.8 -91.6
fwAVG=1.58
sdW=87.4
fwW=1.58
sdS=49.5
fwS=1.67
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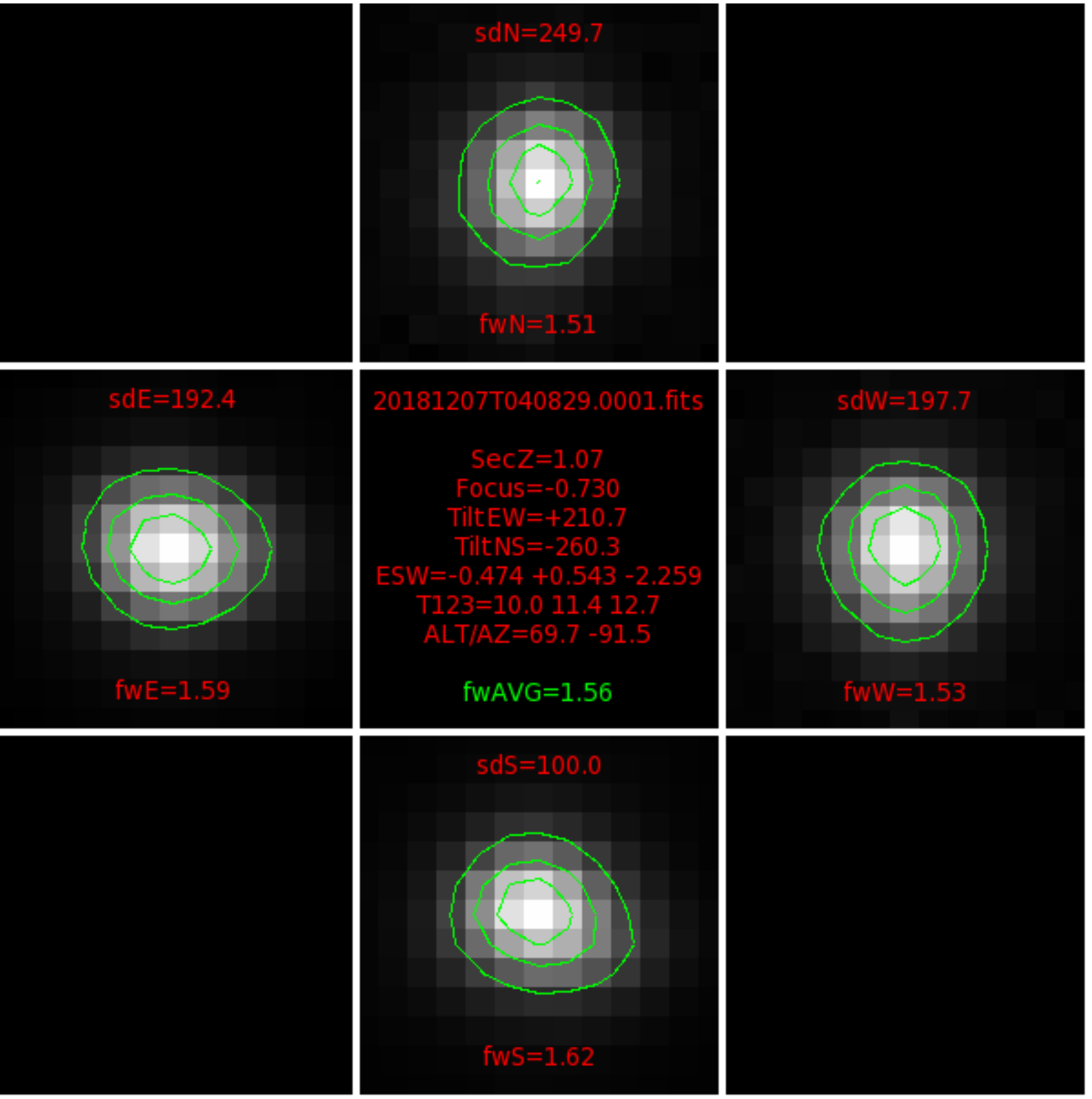
sdN=249.7
fwN=1.51
sdE=192.4
fwE=1.59
20181207T040829.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.0 11.4 12.7
ALT/AZ=69.7 -91.5
fwAVG=1.56
sdW=197.7
fwW=1.53
sdS=100.0
fwS=1.62
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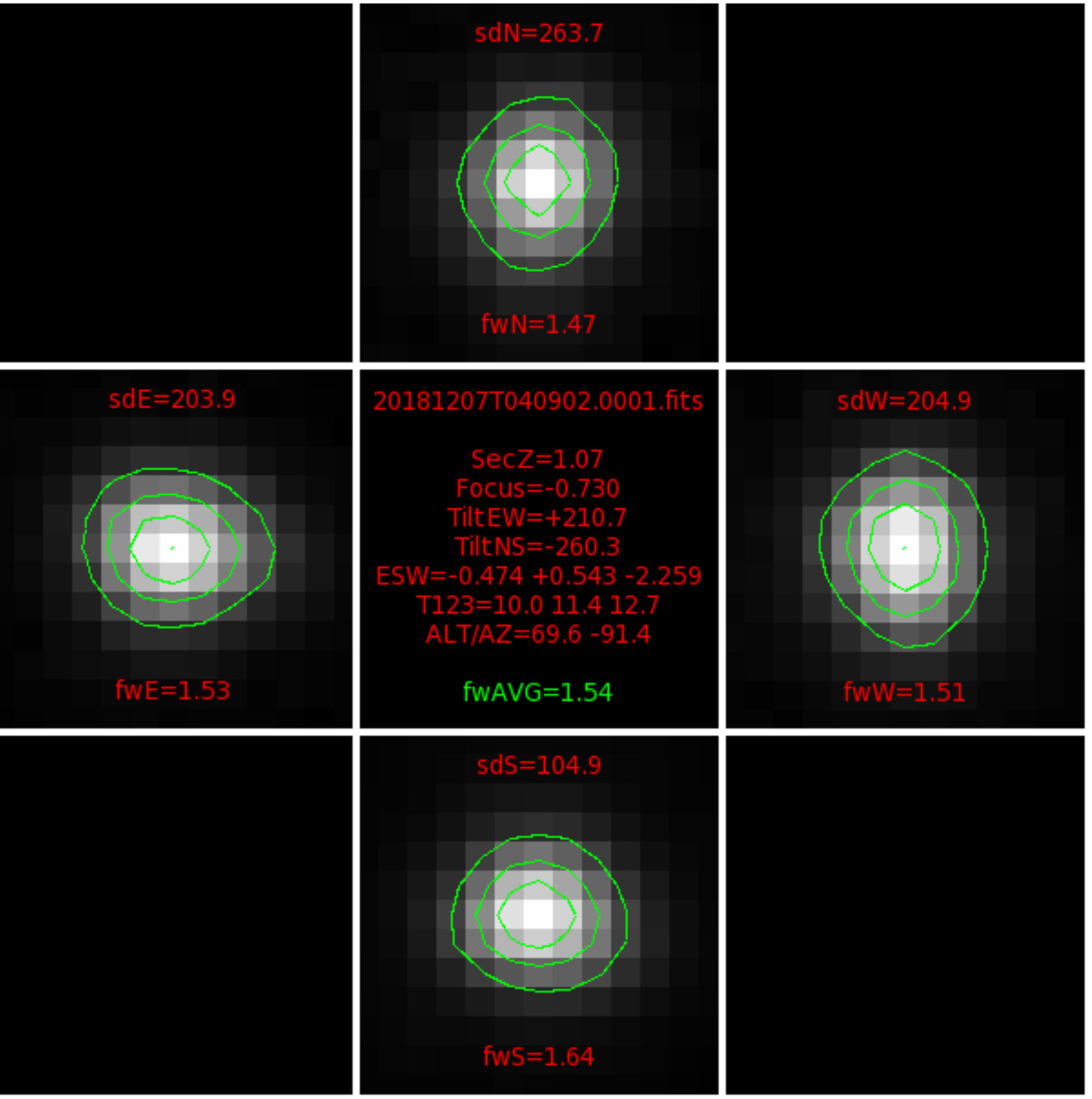
sdN=263.7
fwN=1.47
sdE=203.9
fwE=1.53
20181207T040902.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.0 11.4 12.7
ALT/AZ=69.6 -91.4
fwAVG=1.54
sdW=204.9
fwW=1.51
sdS=104.9
fwS=1.64
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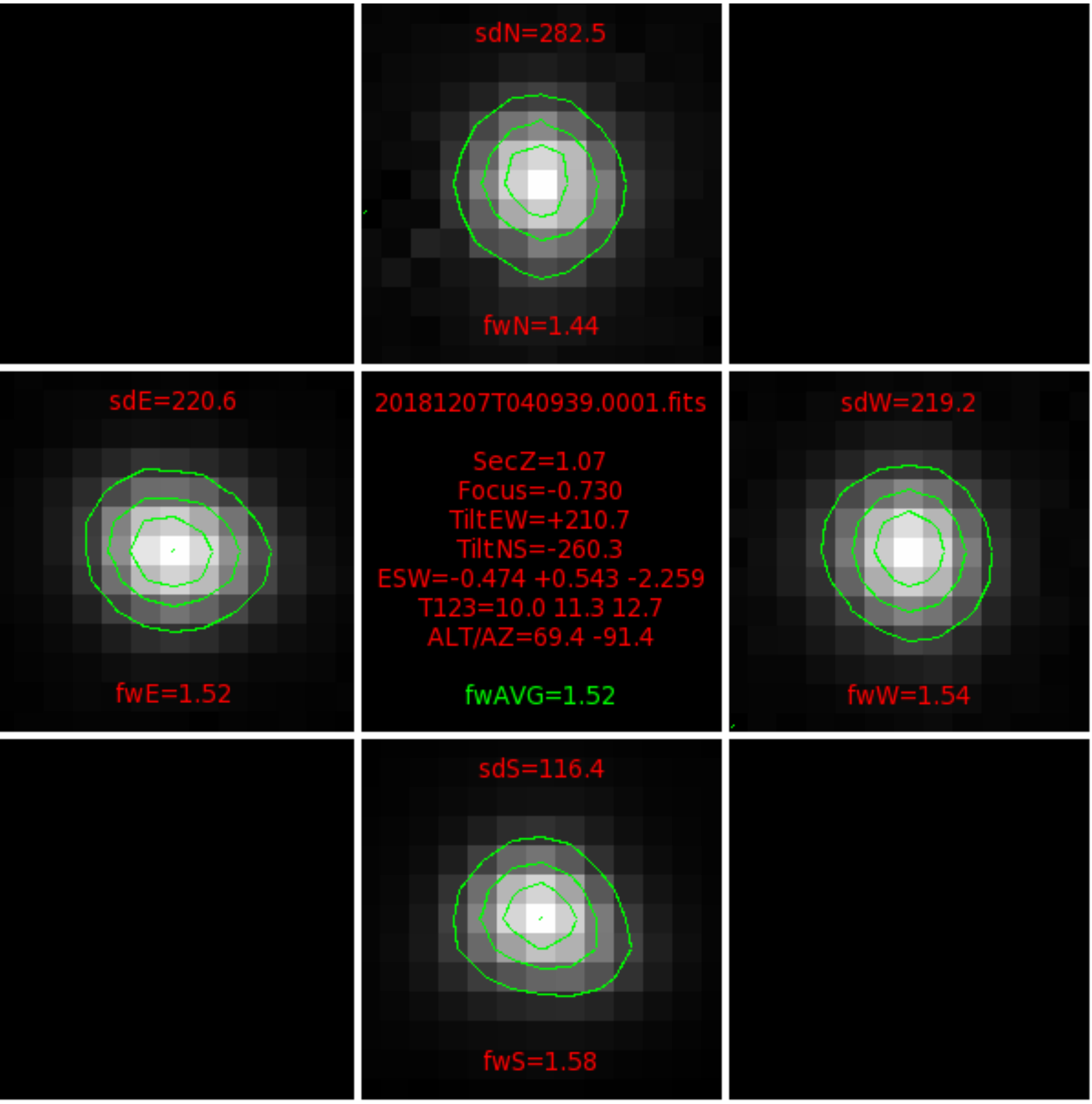
sdN=282.5
fwN=1.44
sdE=220.6
fwE=1.52
20181207T040939.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.0 11.3 12.7
ALT/AZ=69.4 -91.4
fwAVG=1.52
sdW=219.2
fwW=1.54
sdS=116.4
fwS=1.58
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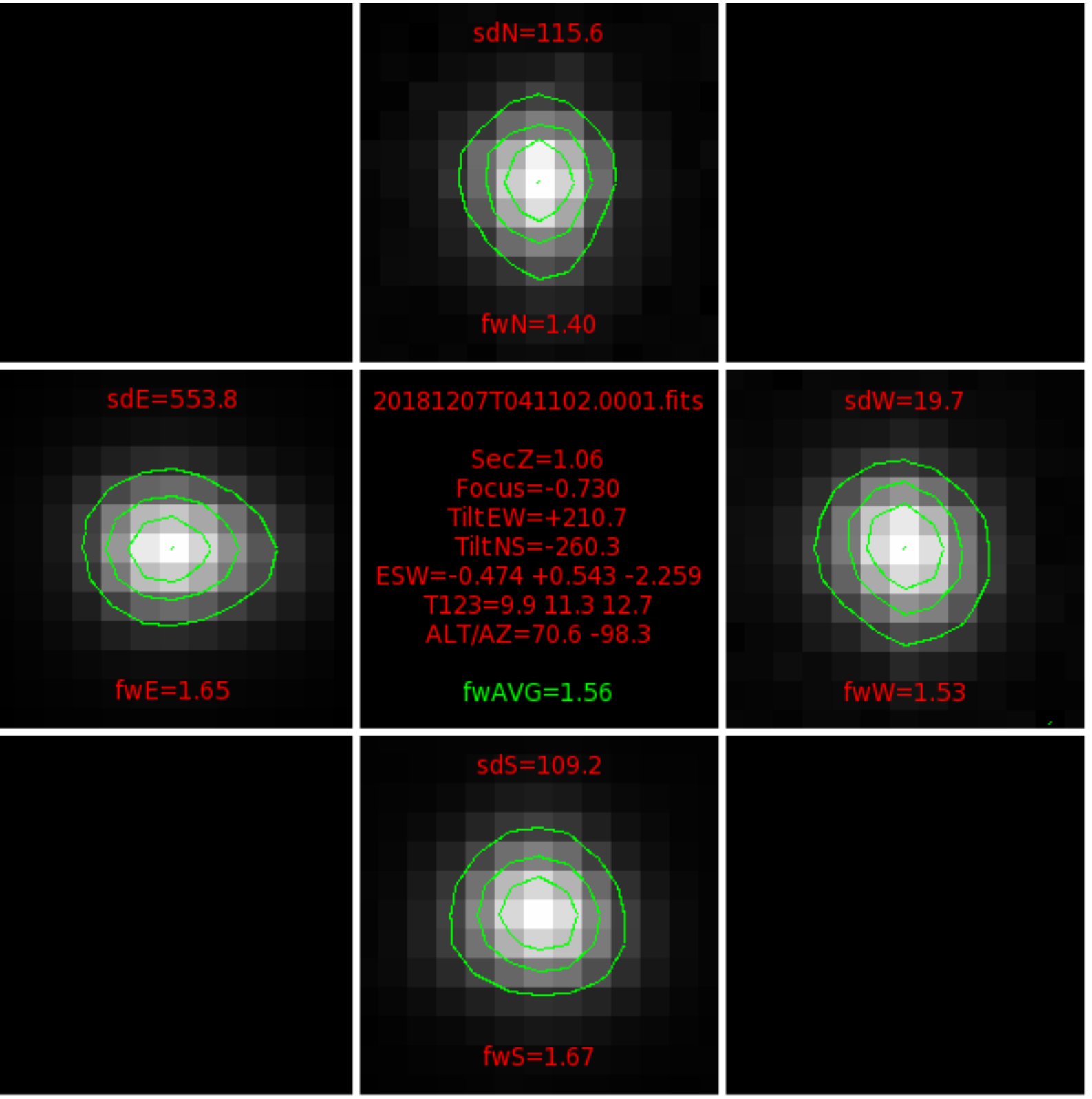
sdN=115.6
fwN=1.40
sdE=553.8
fwE=1.65
20181207T041102.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.9 11.3 12.7
ALT/AZ=70.6 -98.3
fwAVG=1.56
sdW=19.7
fwW=1.53
sdS=109.2
fwS=1.67
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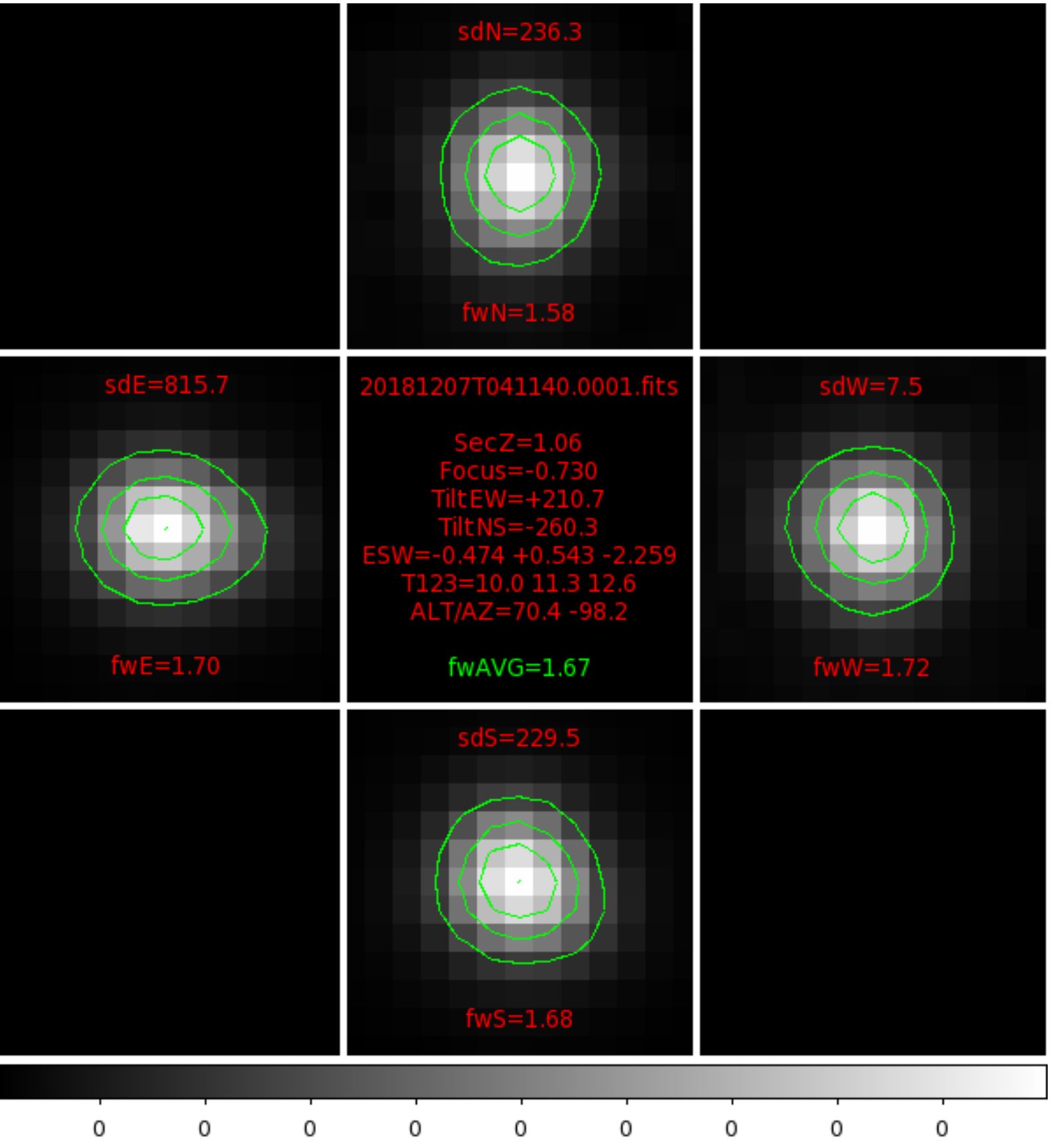
sdN=236.3
fwN=1.58
sdE=815.7
fwE=1.70
20181207T041140.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.0 11.3 12.6
ALT/AZ=70.4 -98.2
fwAVG=1.67
sdW=7.5
fwW=1.72
sdS=229.5
fwS=1.68
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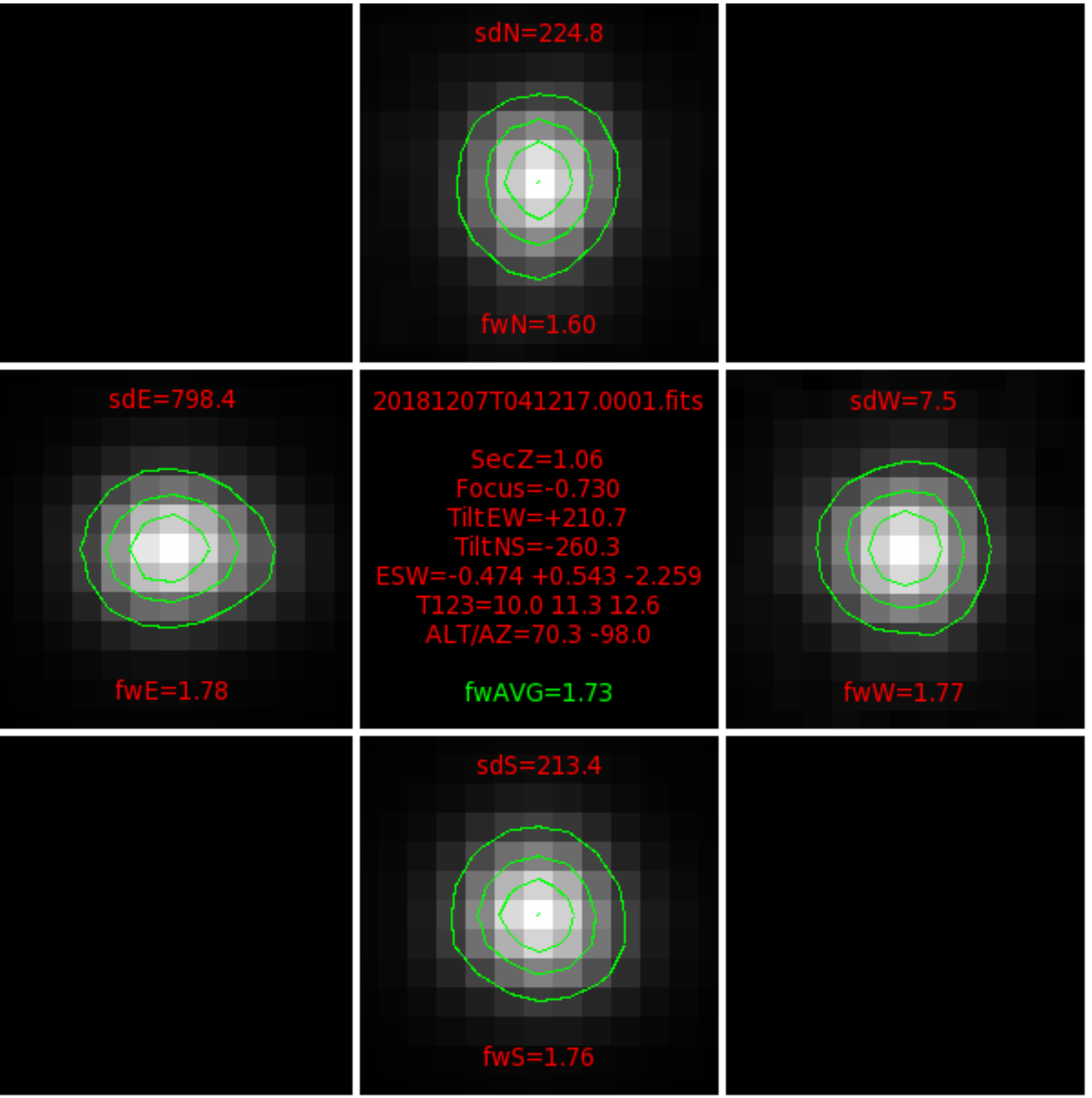
sdN=224.8
fwN=1.60
sdE=798.4
fwE=1.78
20181207T041217.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=10.0 11.3 12.6
ALT/AZ=70.3 -98.0
fwAVG=1.73
sdW=7.5
fwW=1.77
sdS=213.4
fwS=1.76
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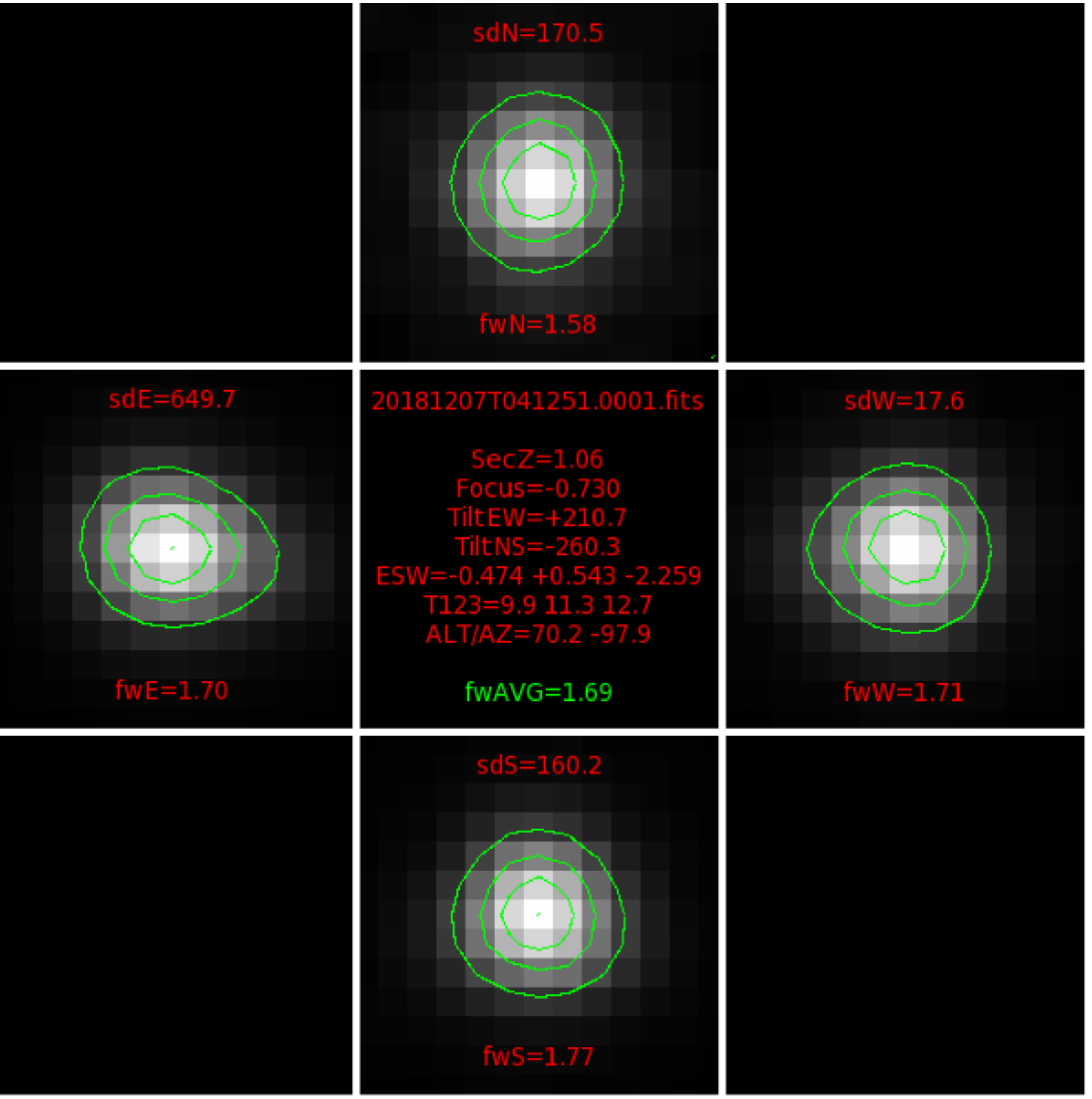
sdN=170.5
fwN=1.58
sdE=649.7
fwE=1.70
20181207T041251.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.9 11.3 12.7
ALT/AZ=70.2 -97.9
fwAVG=1.69
sdW=17.6
fwW=1.71
sdS=160.2
fwS=1.77
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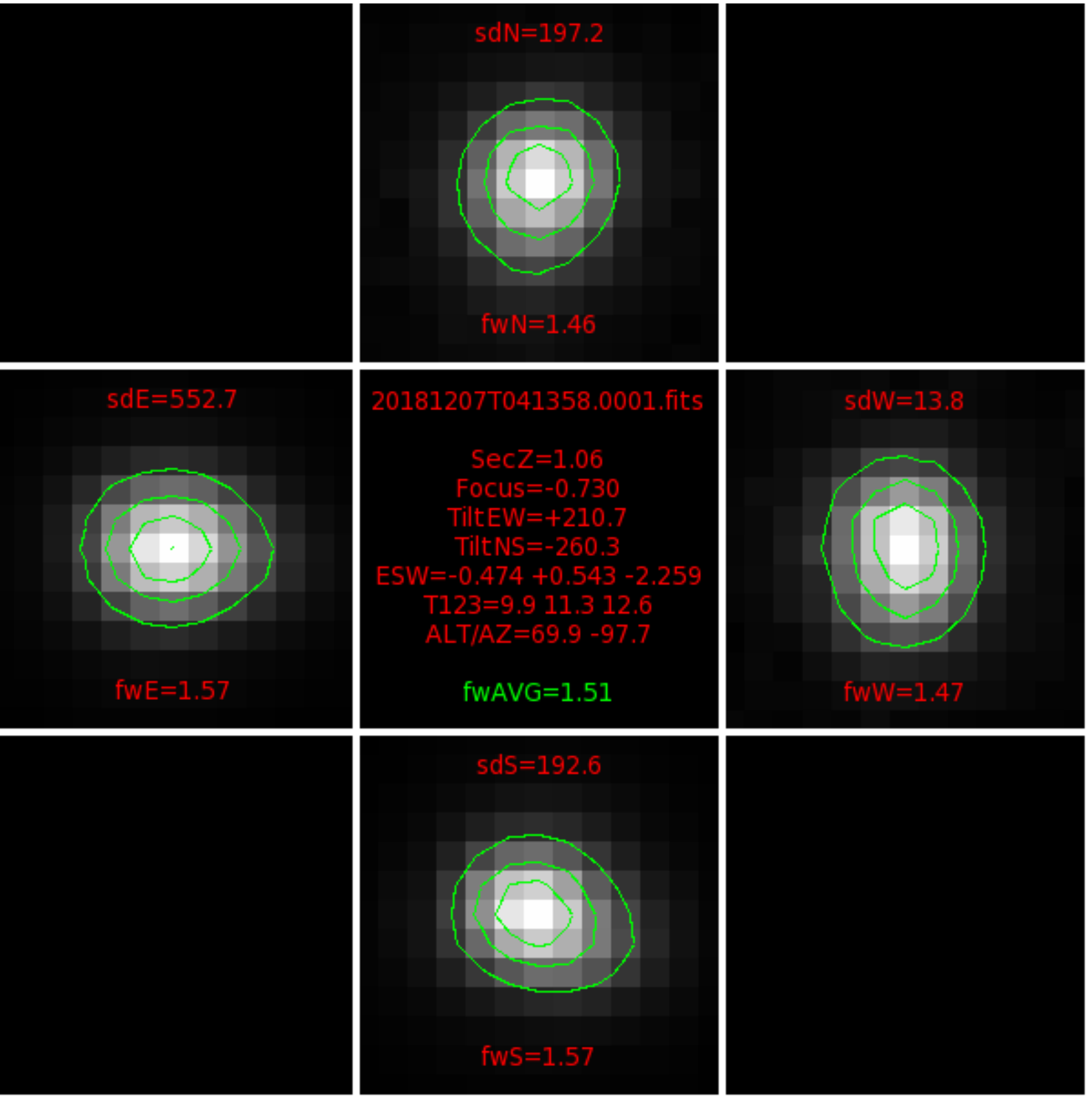
sdN=197.2
fwN=1.46
sdE=552.7
fwE=1.57
20181207T041358.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.9 11.3 12.6
ALT/AZ=69.9 -97.7
fwAVG=1.51
sdW=13.8
fwW=1.47
sdS=192.6
fwS=1.57
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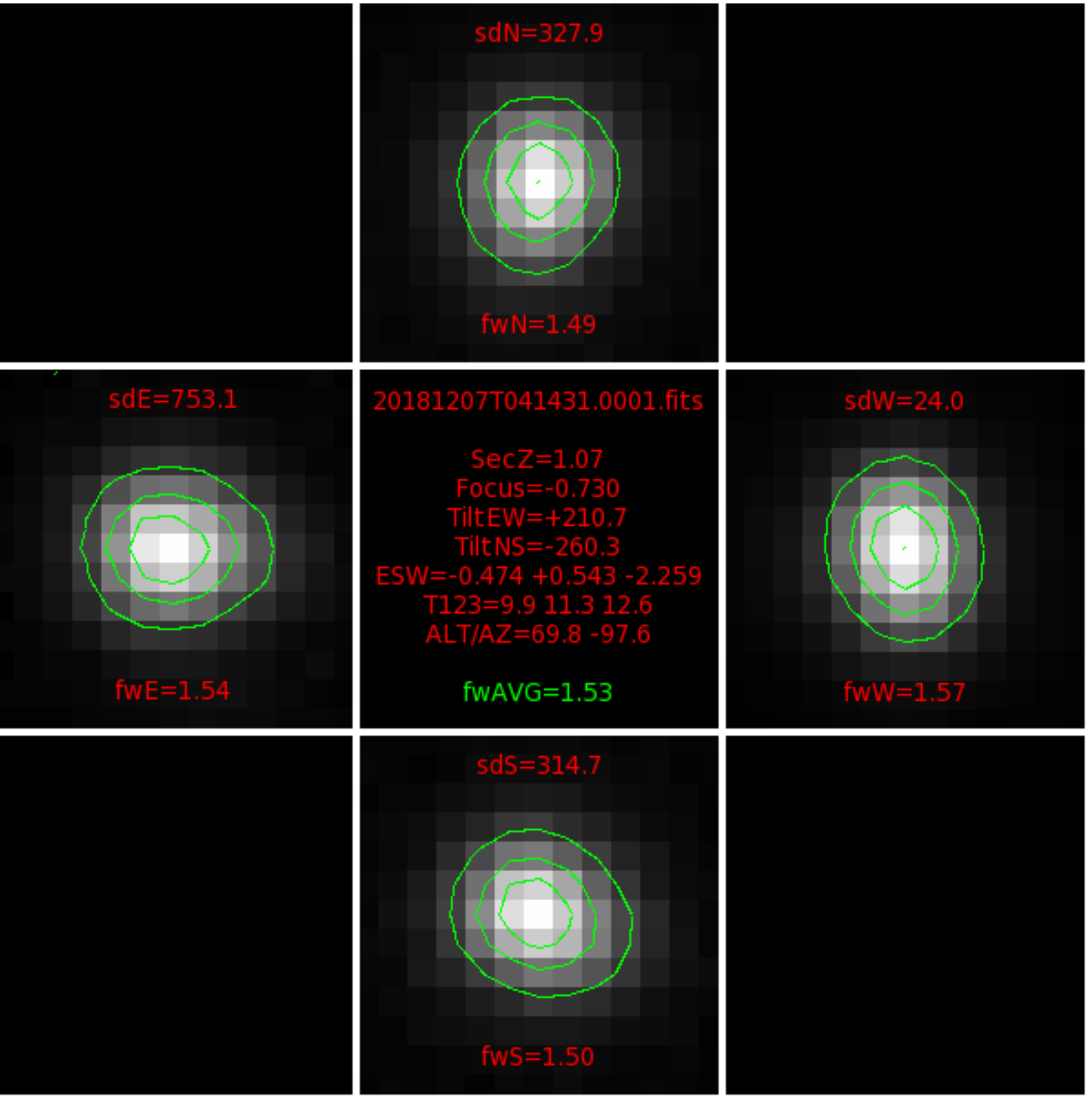
sdN=327.9
fwN=1.49
sdE=753.1
fwE=1.54
20181207T041431.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.9 11.3 12.6
ALT/AZ=69.8 -97.6
fwAVG=1.53
sdW=24.0
fwW=1.57
sdS=314.7
fwS=1.50
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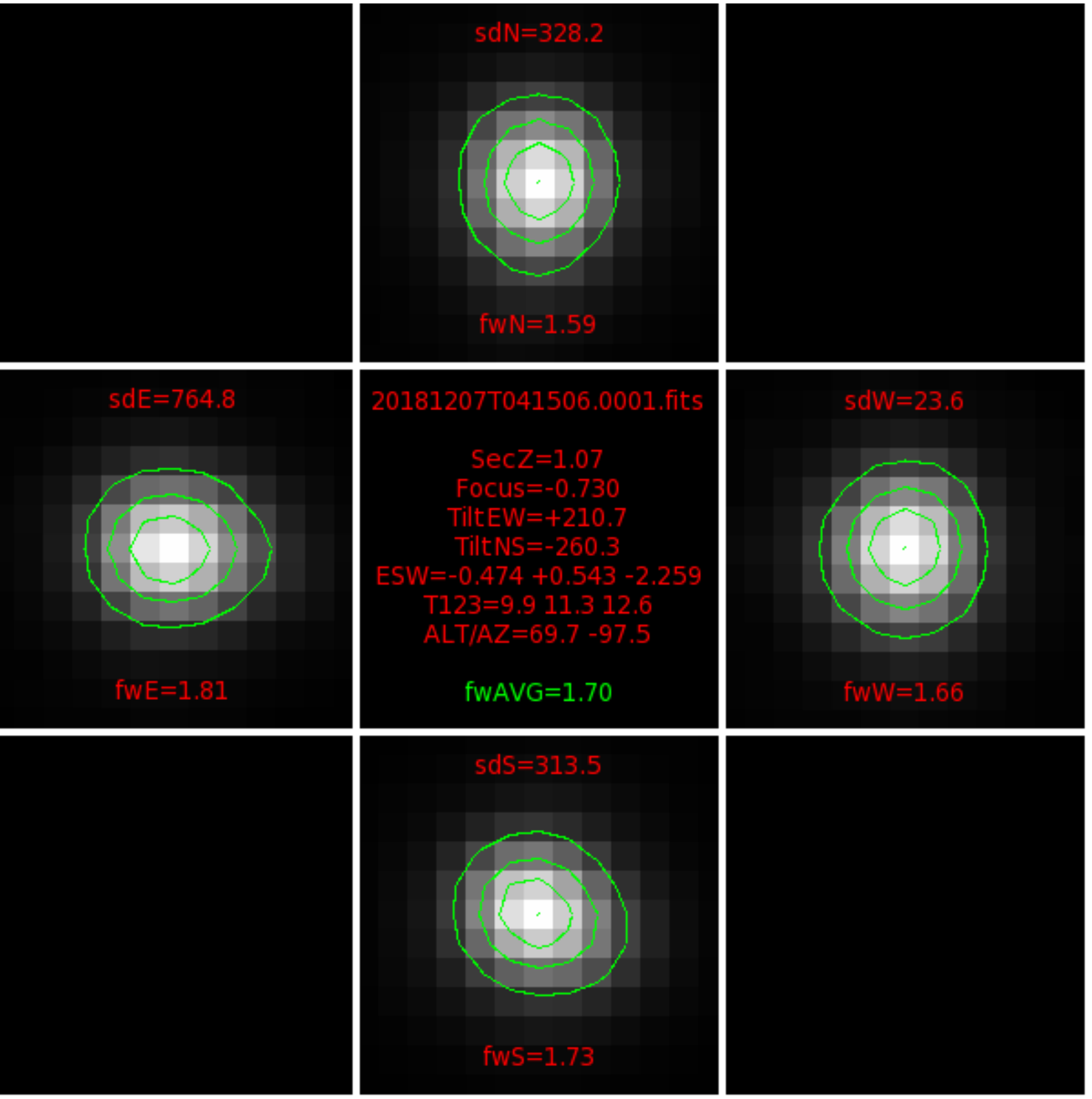
sdN=328.2
fwN=1.59
sdE=764.8
fwE=1.81
20181207T041506.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.9 11.3 12.6
ALT/AZ=69.7 -97.5
fwAVG=1.70
sdW=23.6
fwW=1.66
sdS=313.5
fwS=1.73
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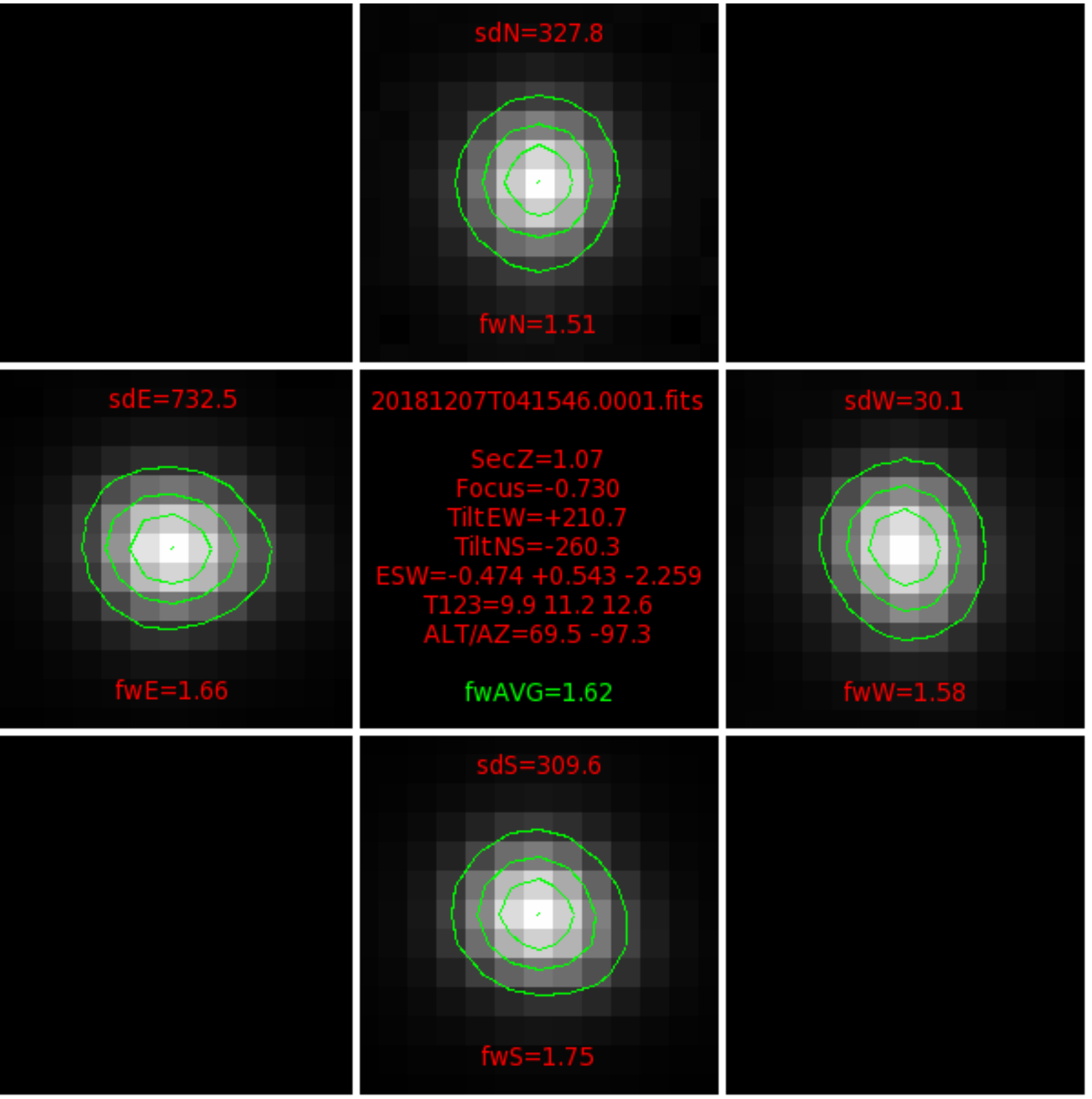
sdN=327.8
fwN=1.51
sdE=732.5
fwE=1.66
20181207T041546.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.9 11.2 12.6
ALT/AZ=69.5 -97.3
fwAVG=1.62
sdW=30.1
fwW=1.58
sdS=309.6
fwS=1.75
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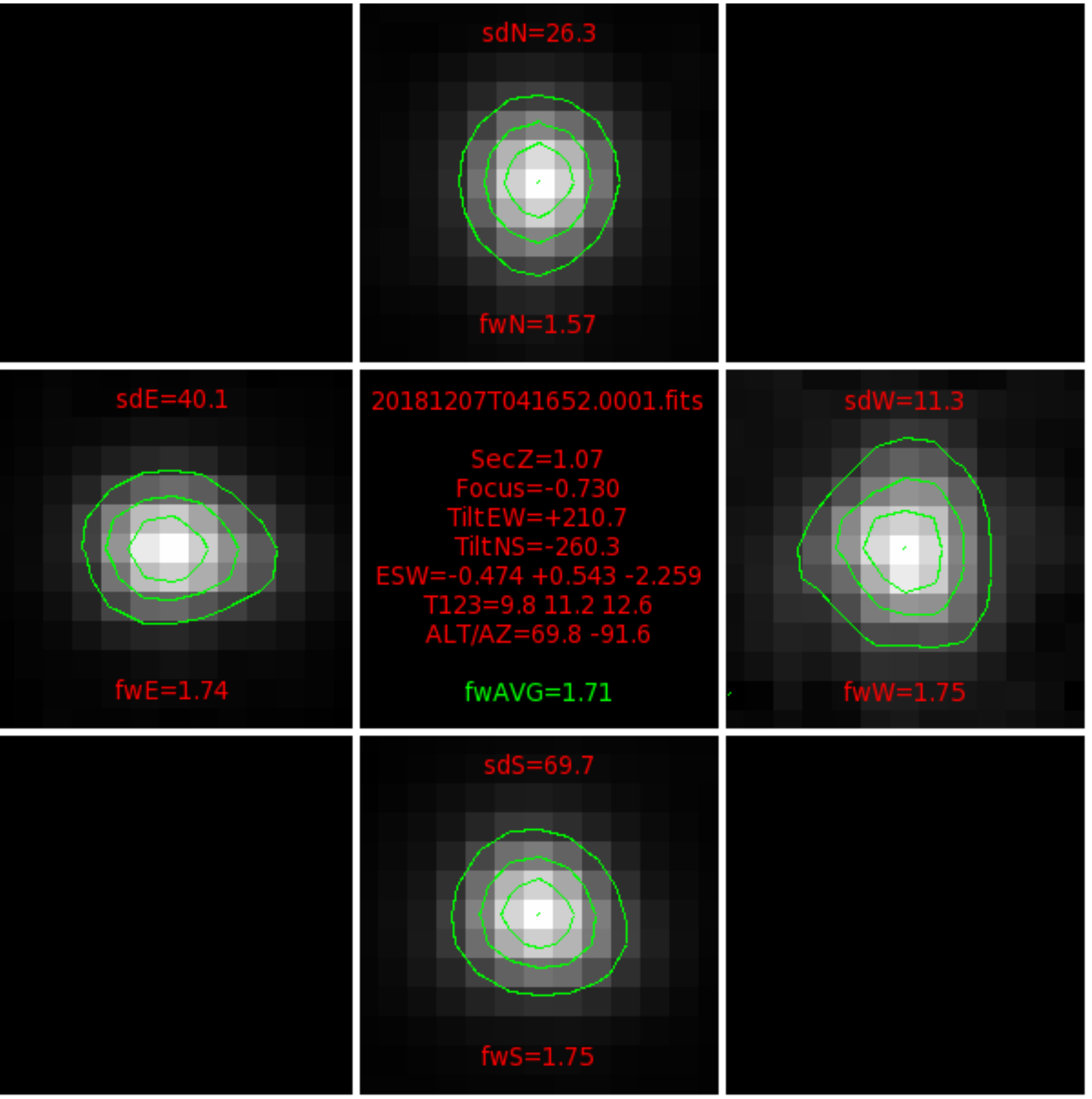
sdN=26.3
fwN=1.57
sdE=40.1
fwE=1.74
20181207T041652.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.8 11.2 12.6
ALT/AZ=69.8 -91.6
fwAVG=1.71
sdW=11.3
fwW=1.75
sdS=69.7
fwS=1.75
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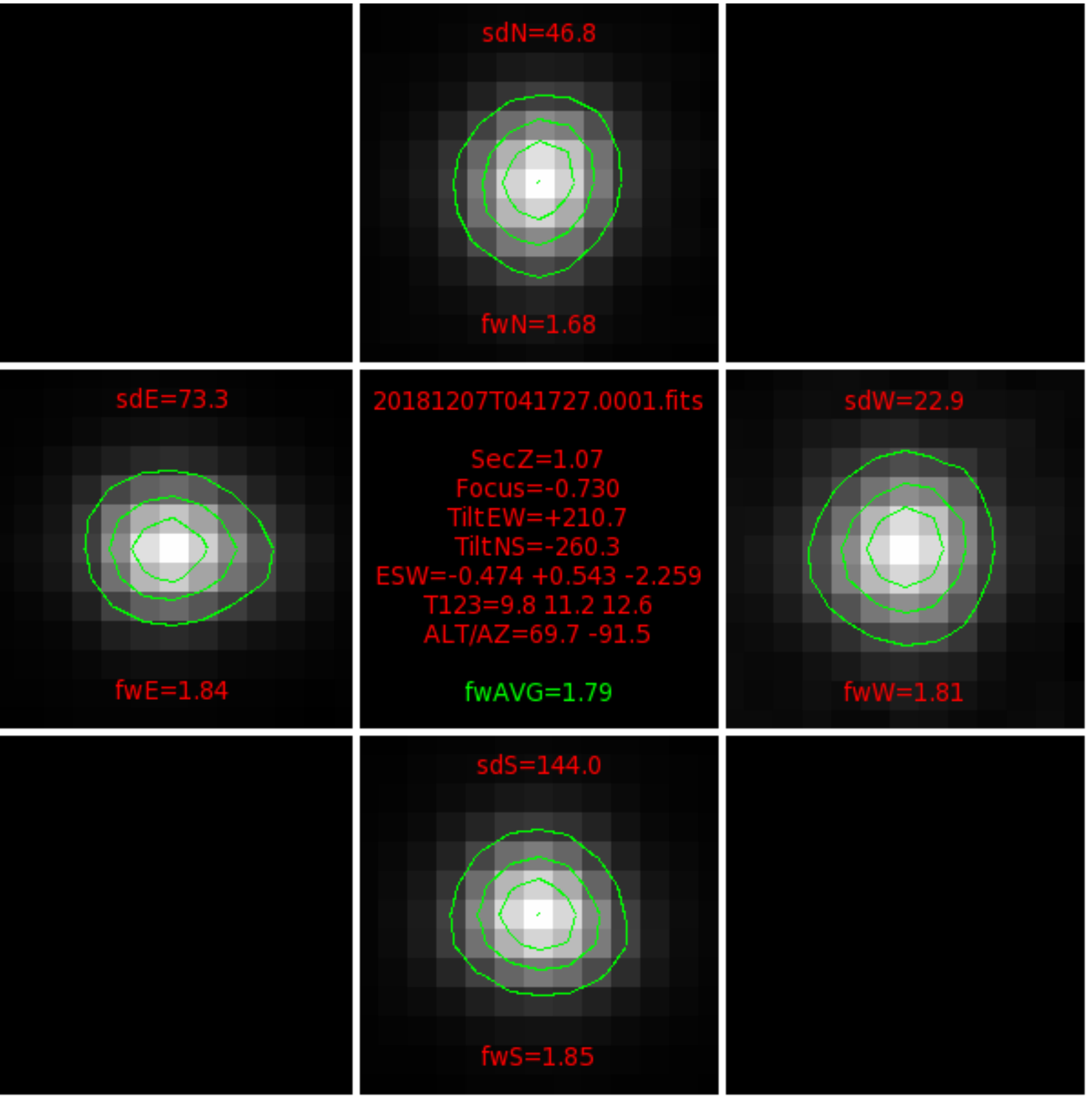
sdN=46.8
fwN=1.68
sdE=73.3
fwE=1.84
20181207T041727.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.8 11.2 12.6
ALT/AZ=69.7 -91.5
fwAVG=1.79
sdW=22.9
fwW=1.81
sdS=144.0
fwS=1.85
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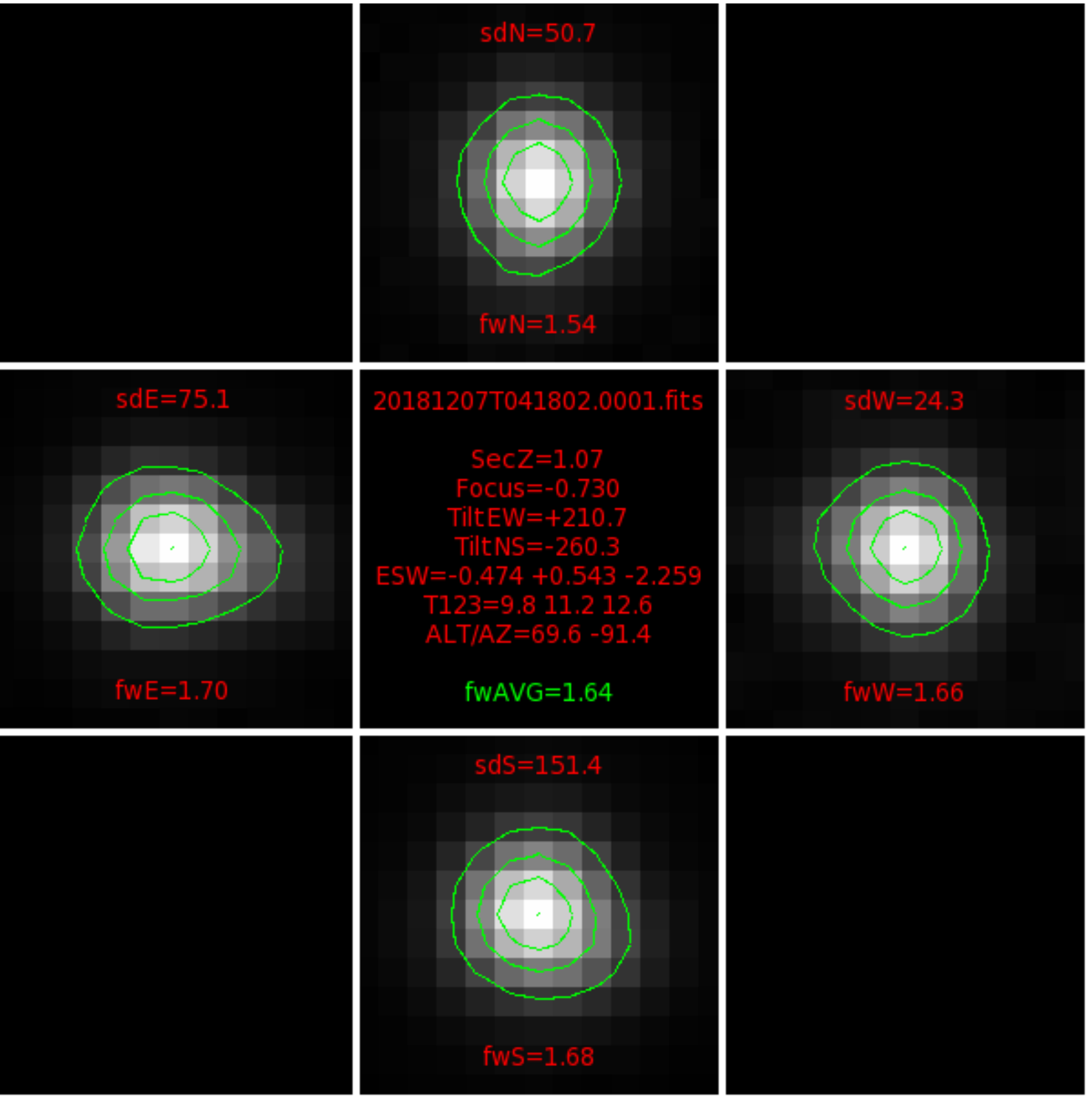
sdN=50.7
fwN=1.54
sdE=75.1
fwE=1.70
20181207T041802.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.8 11.2 12.6
ALT/AZ=69.6 -91.4
fwAVG=1.64
sdW=24.3
fwW=1.66
sdS=151.4
fwS=1.68
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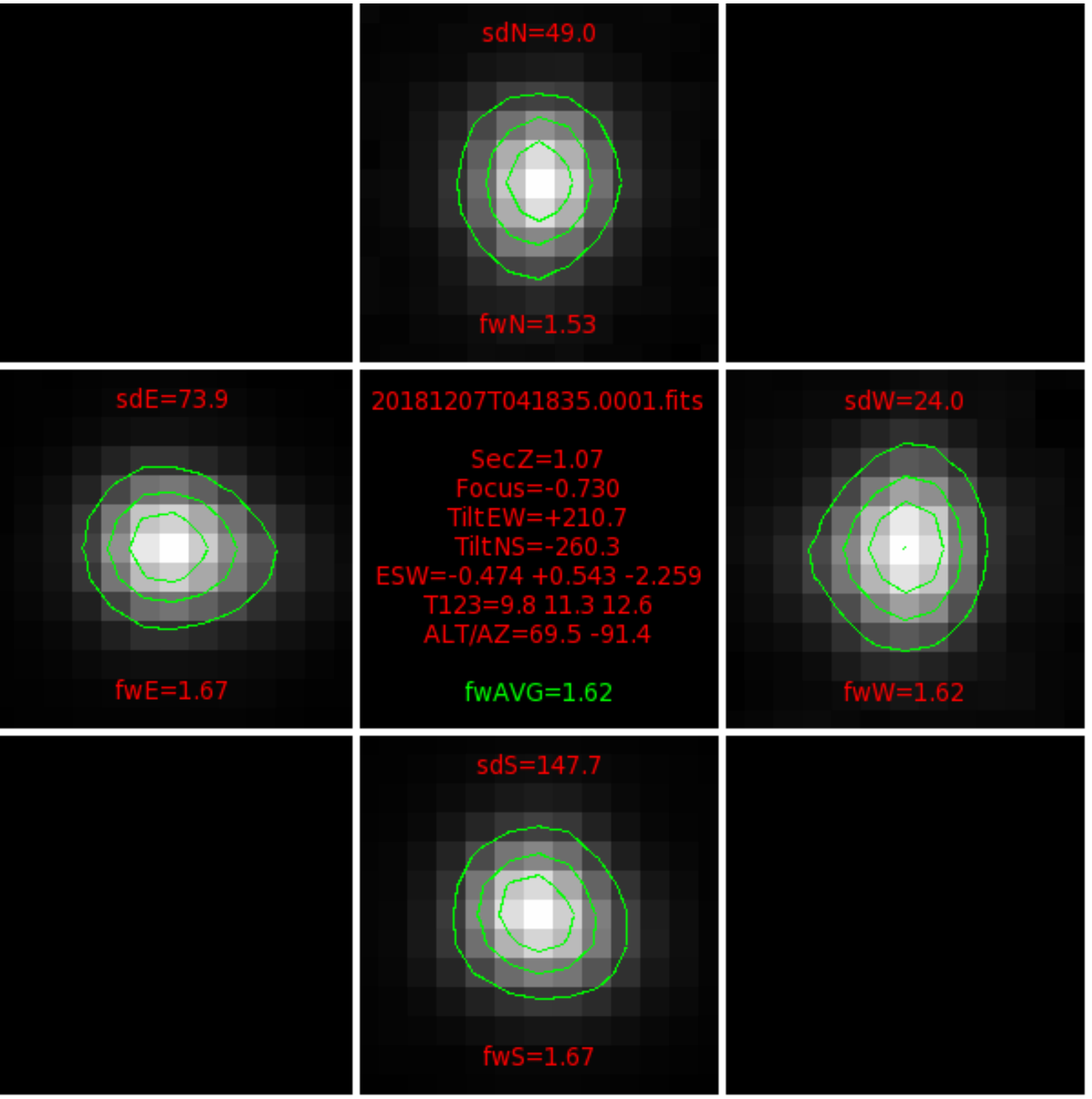
sdN=49.0
fwN=1.53
sdE=73.9
fwE=1.67
20181207T041835.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.8 11.3 12.6
ALT/AZ=69.5 -91.4
fwAVG=1.62
sdW=24.0
fwW=1.62
sdS=147.7
fwS=1.67
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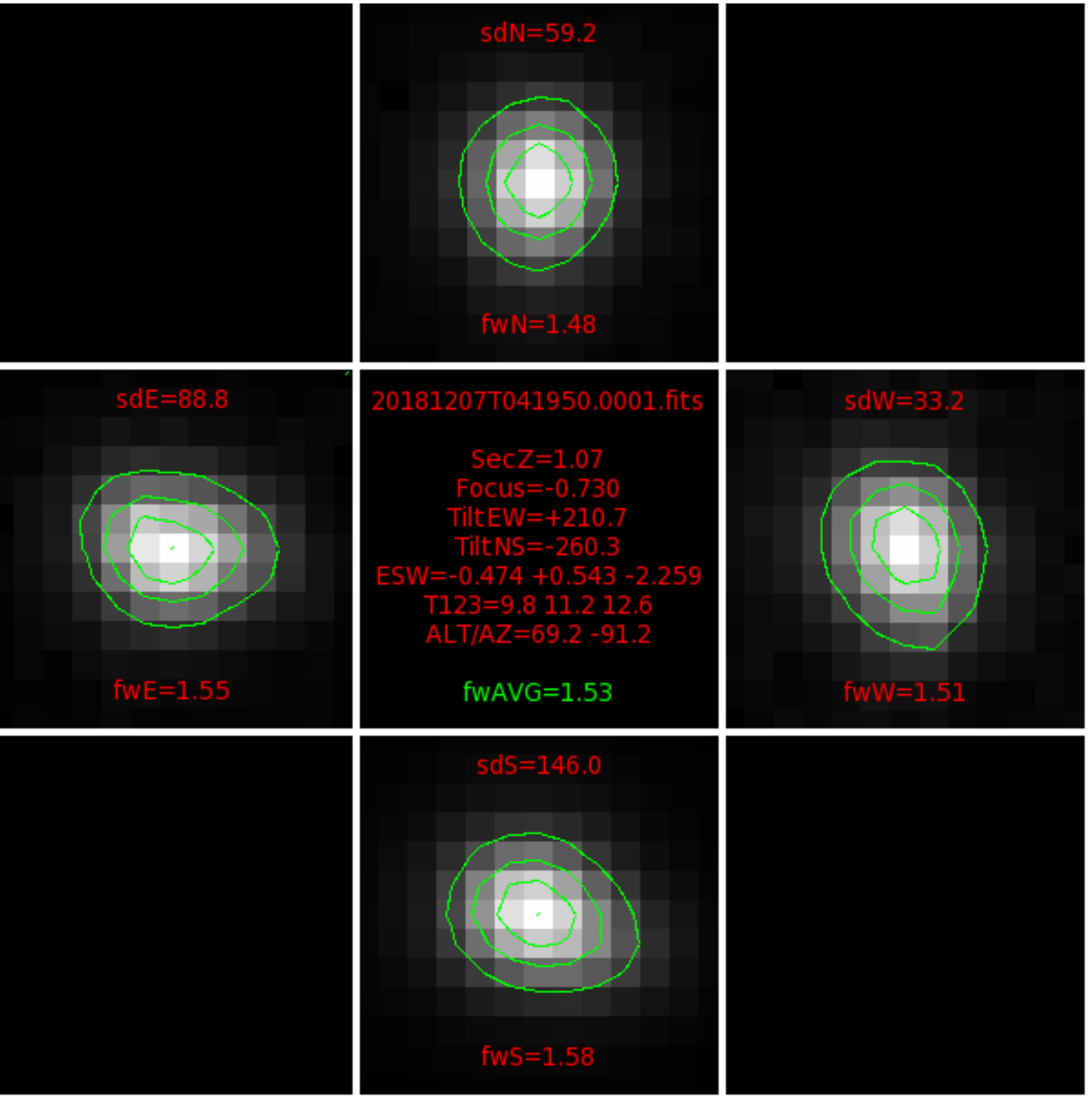
sdN=59.2
fwN=1.48
sdE=88.8
fwE=1.55
20181207T041950.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.8 11.2 12.6
ALT/AZ=69.2 -91.2
fwAVG=1.53
sdW=33.2
fwW=1.51
sdS=146.0
fwS=1.58
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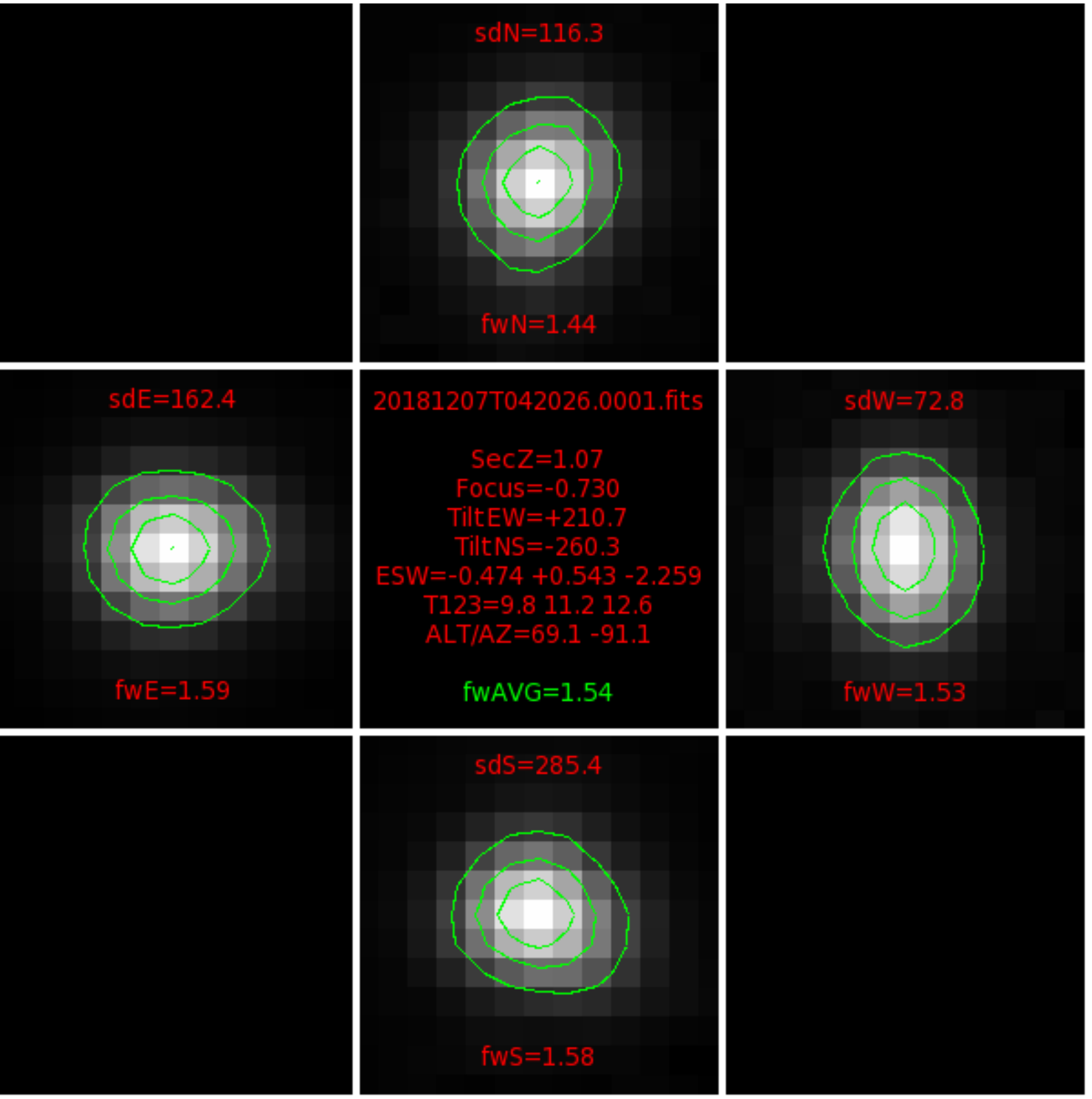
sdN=116.3
fwN=1.44
sdE=162.4
fwE=1.59
20181207T042026.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.8 11.2 12.6
ALT/AZ=69.1 -91.1
fwAVG=1.54
sdW=72.8
fwW=1.53
sdS=285.4
fwS=1.58
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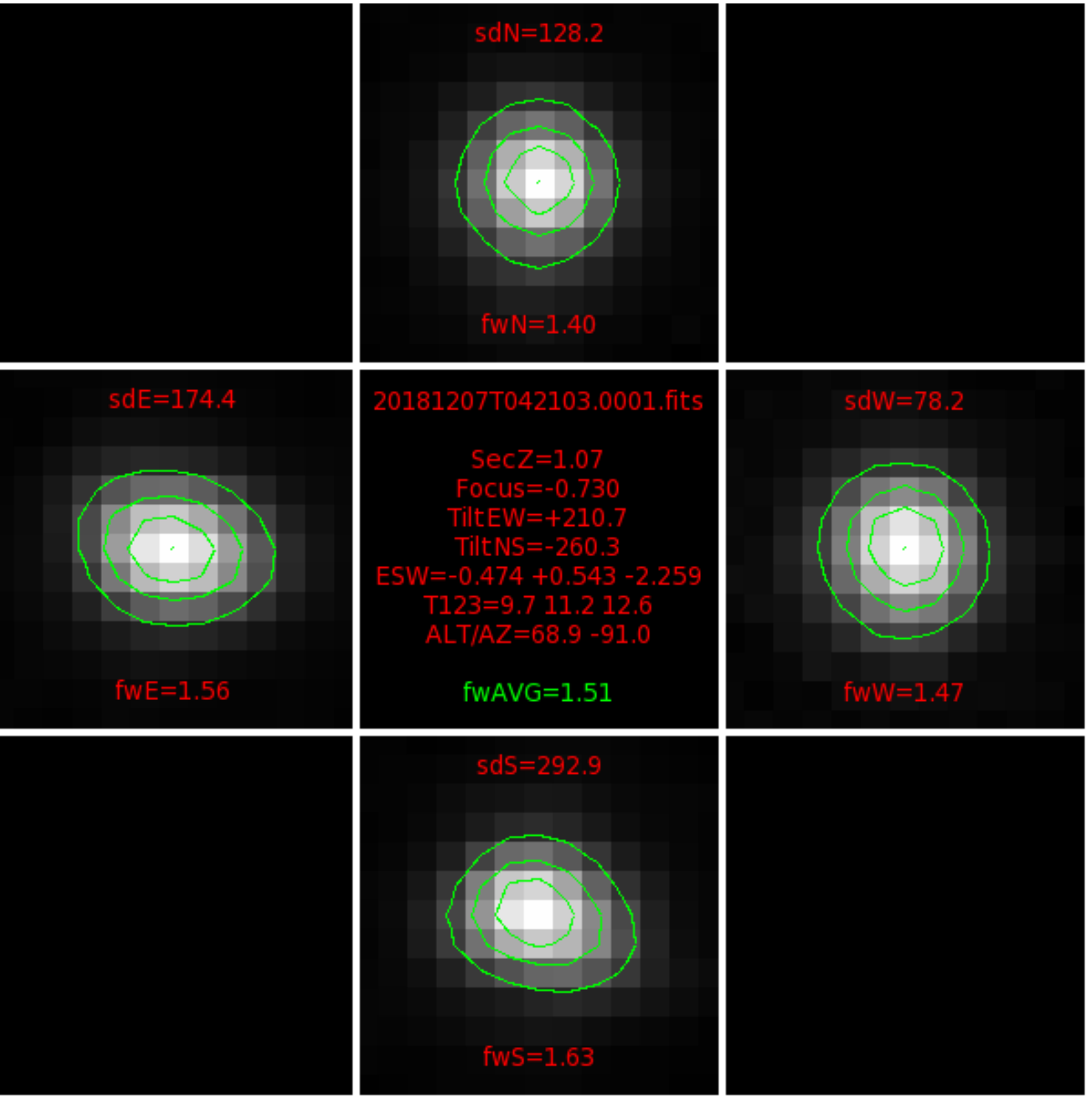
sdN=128.2
fwN=1.40
sdE=174.4
fwE=1.56
20181207T042103.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.7 11.2 12.6
ALT/AZ=68.9 -91.0
fwAVG=1.51
sdW=78.2
fwW=1.47
sdS=292.9
fwS=1.63
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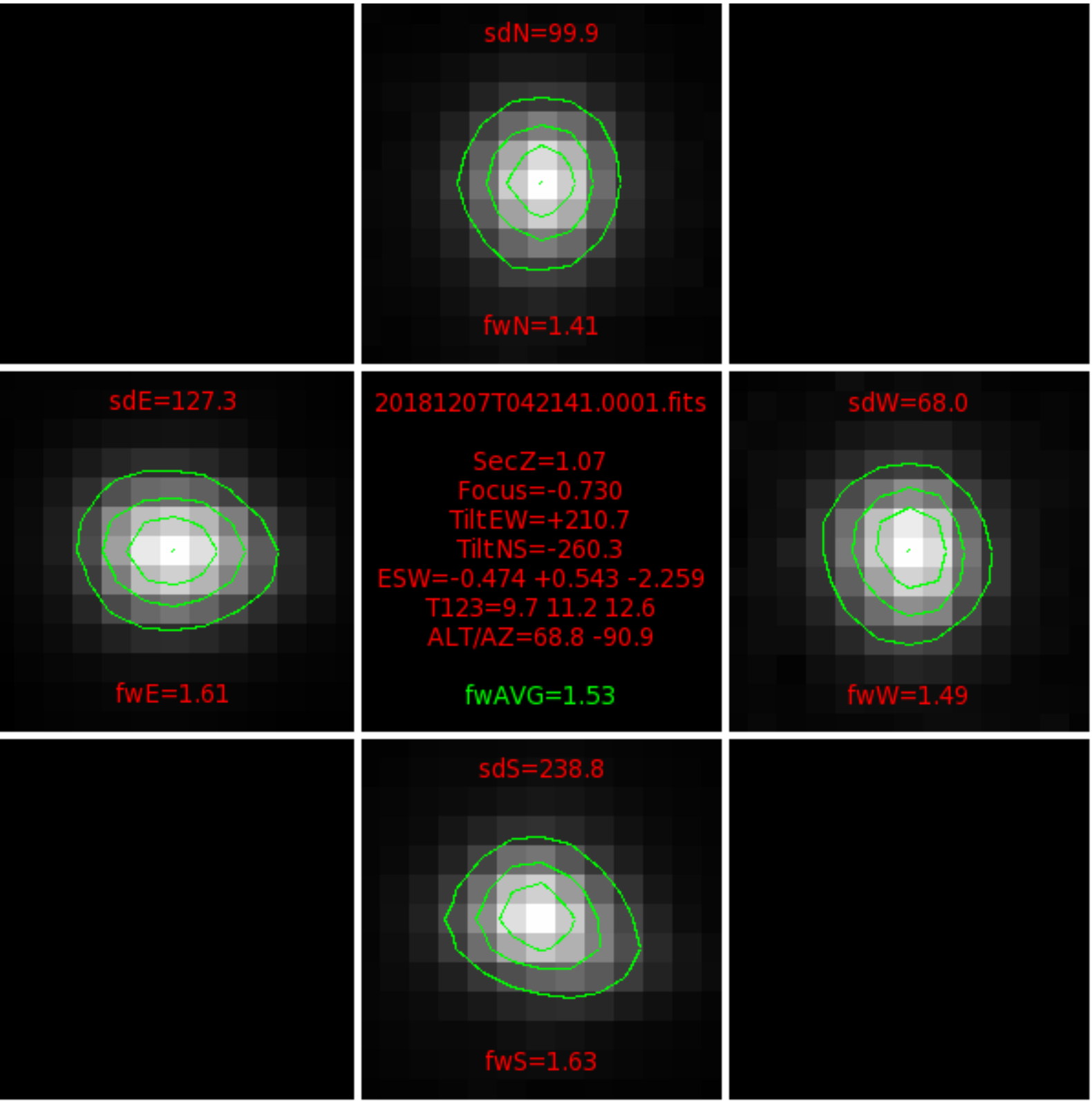
sdN=99.9
fwN=1.41
sdE=127.3
fwE=1.61
20181207T042141.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.7 11.2 12.6
ALT/AZ=68.8 -90.9
fwAVG=1.53
sdW=68.0
fwW=1.49
sdS=238.8
fwS=1.63
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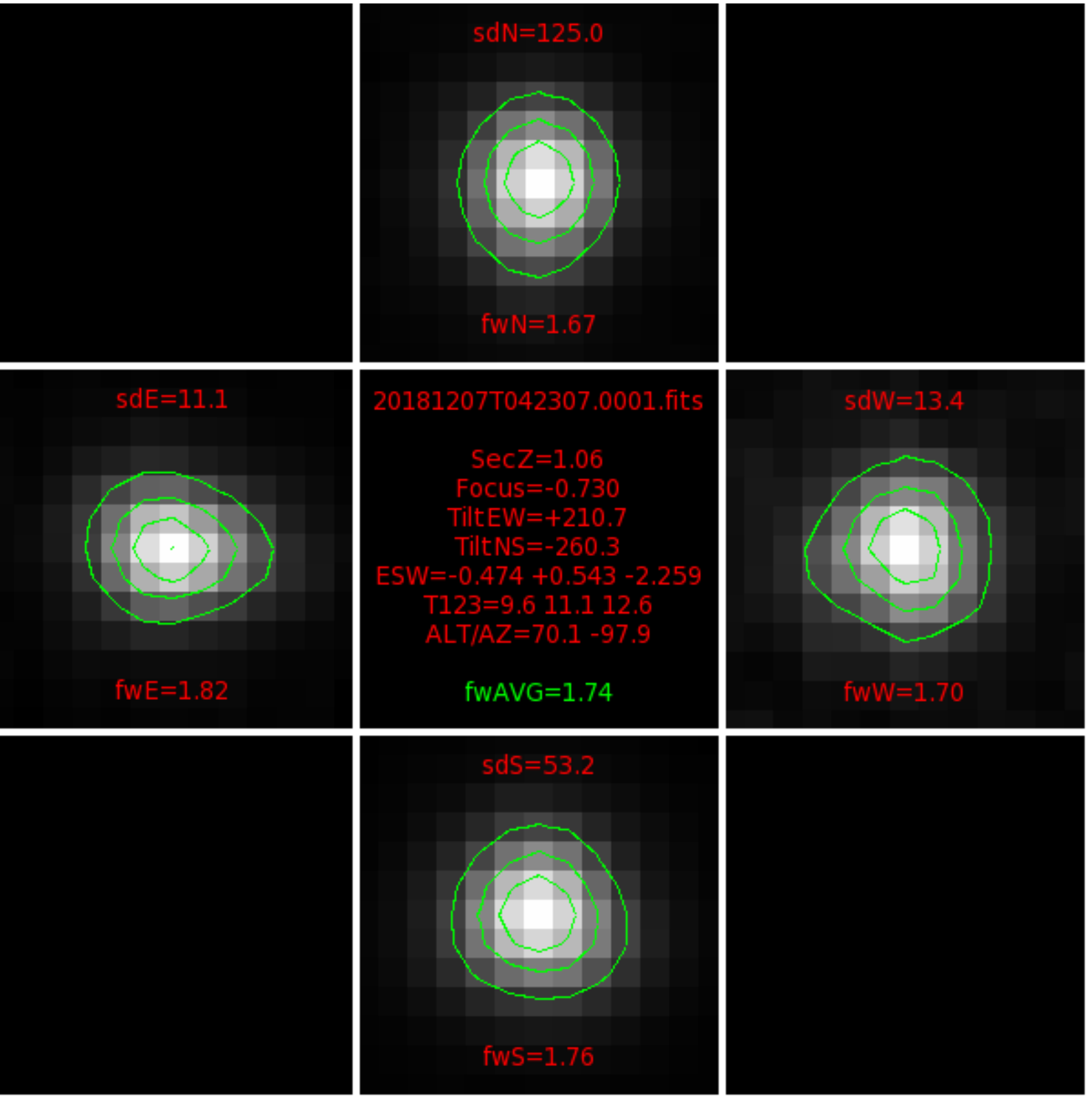
sdN=125.0
fwN=1.67
sdE=11.1
fwE=1.82
20181207T042307.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.6 11.1 12.6
ALT/AZ=70.1 -97.9
fwAVG=1.74
sdW=13.4
fwW=1.70
sdS=53.2
fwS=1.76
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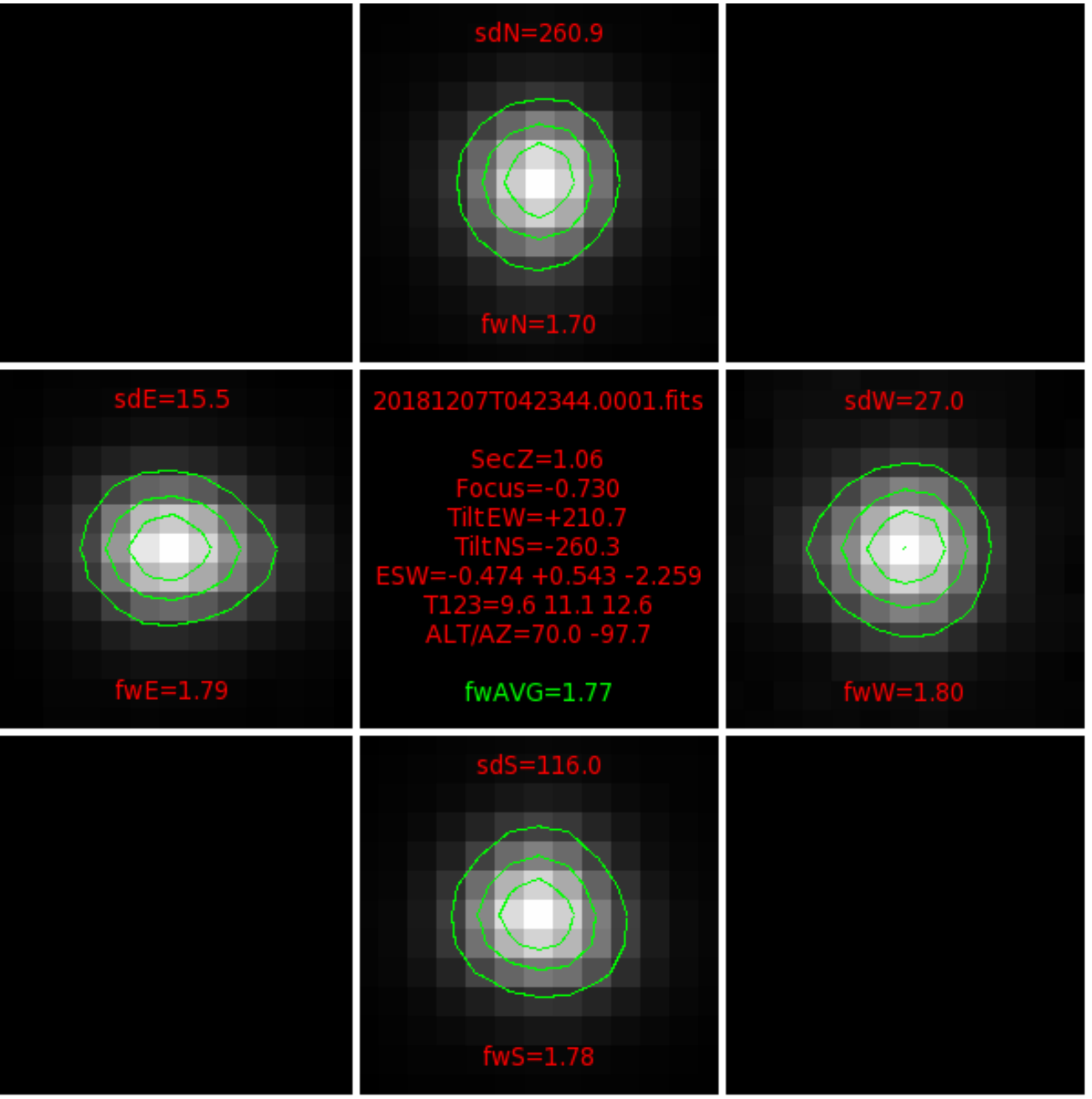
sdN=260.9
fwN=1.70
sdE=15.5
fwE=1.79
20181207T042344.0001.fits
SecZ=1.06
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.6 11.1 12.6
ALT/AZ=70.0 -97.7
fwAVG=1.77
sdW=27.0
fwW=1.80
sdS=116.0
fwS=1.78
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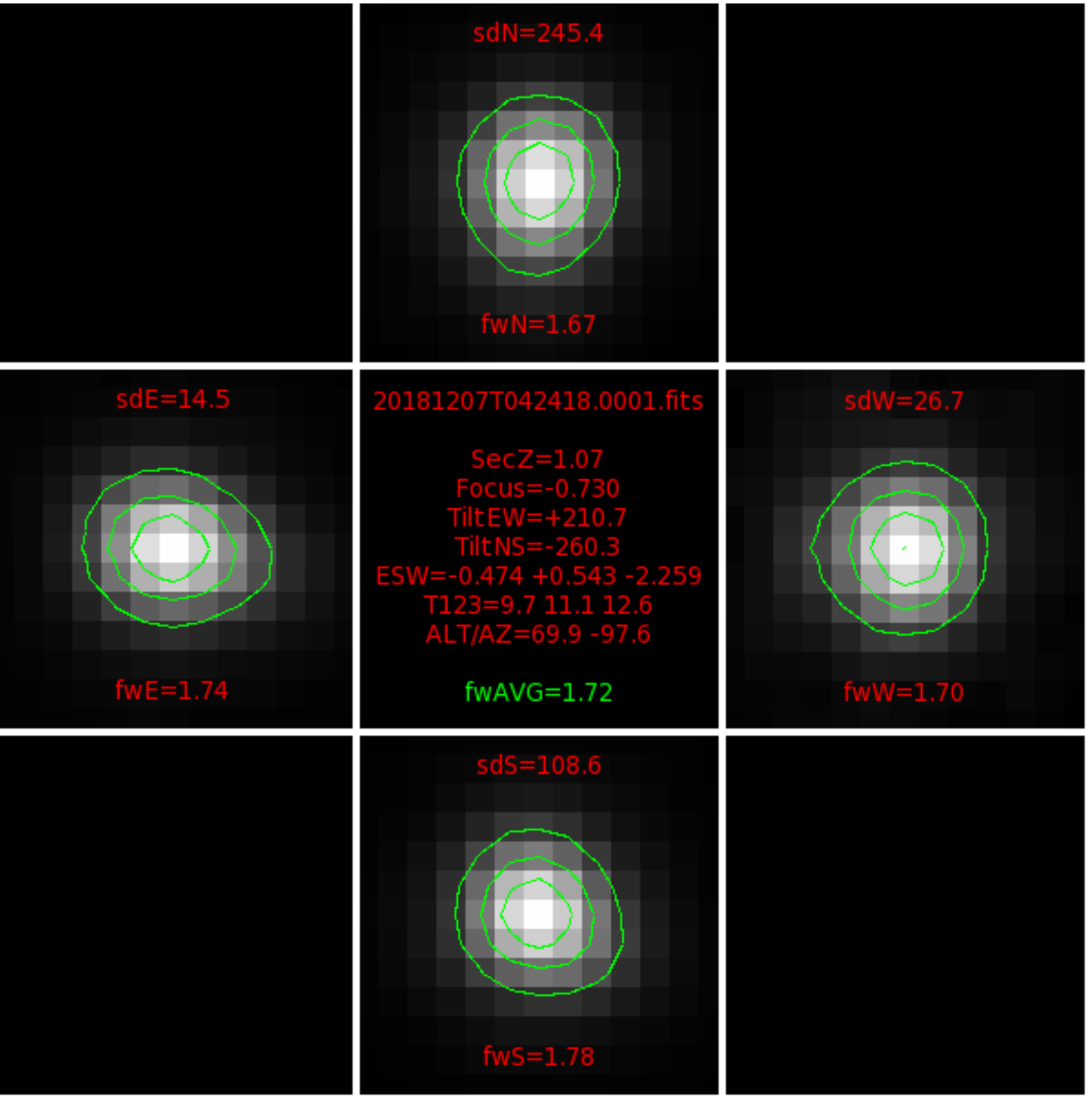
sdN=245.4
fwN=1.67
sdE=14.5
fwE=1.74
20181207T042418.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.7 11.1 12.6
ALT/AZ=69.9 -97.6
fwAVG=1.72
sdW=26.7
fwW=1.70
sdS=108.6
fwS=1.78
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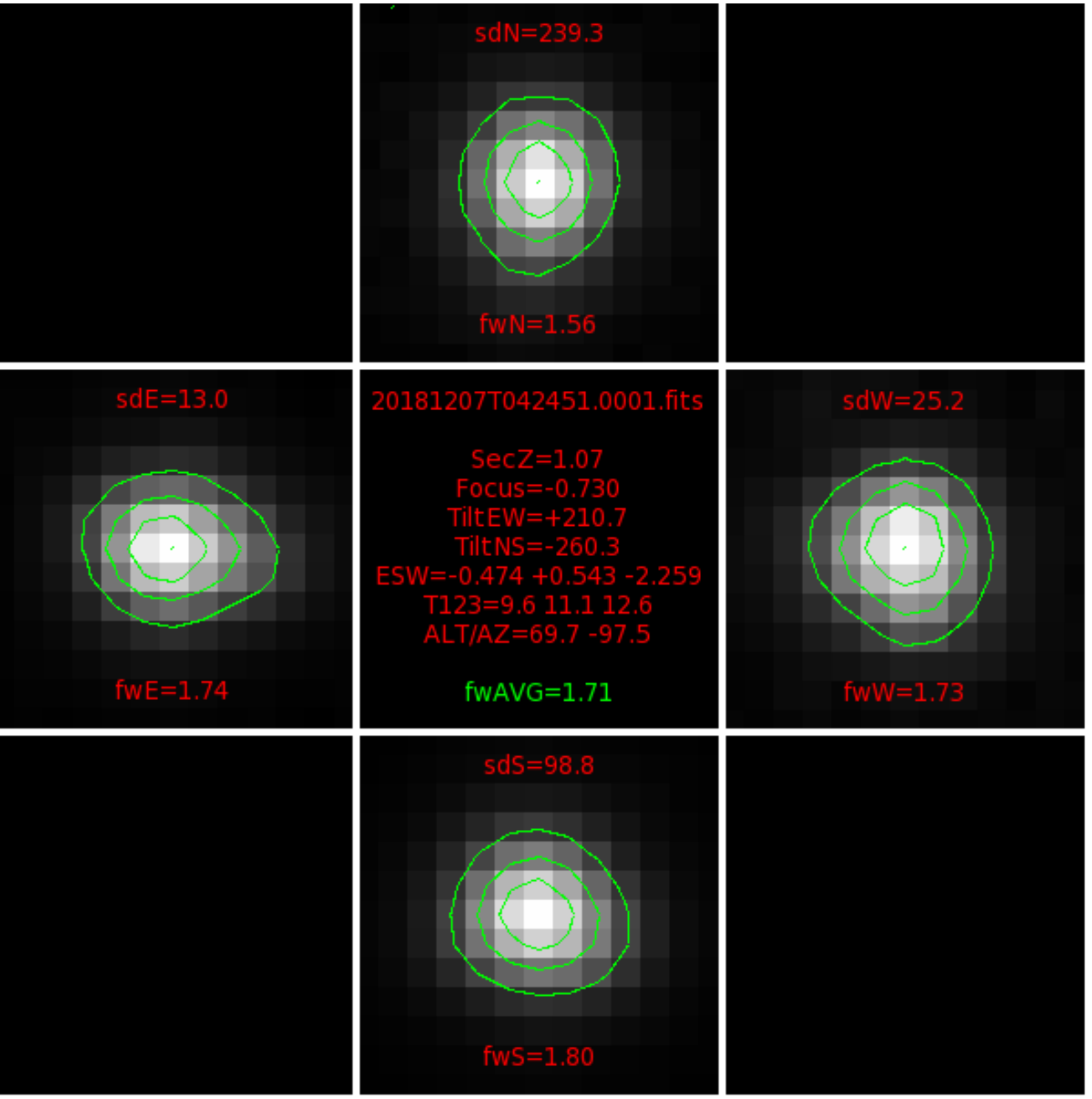
sdN=239.3
fwN=1.56
sdE=13.0
fwE=1.74
20181207T042451.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.6 11.1 12.6
ALT/AZ=69.7 -97.5
fwAVG=1.71
sdW=25.2
fwW=1.73
sdS=98.8
fwS=1.80
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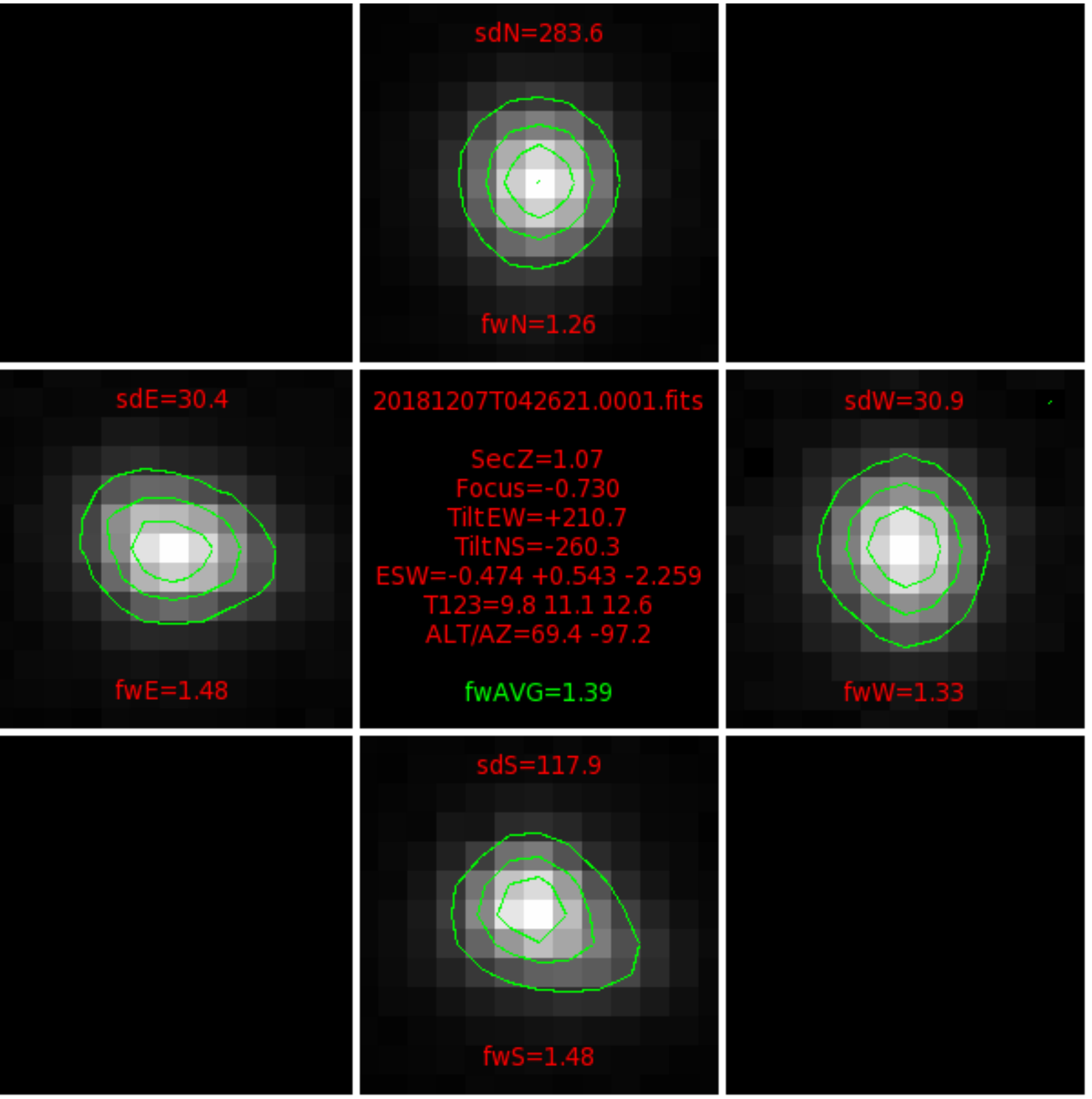
sdN=283.6
fwN=1.26
sdE=30.4
fwE=1.48
20181207T042621.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.8 11.1 12.6
ALT/AZ=69.4 -97.2
fwAVG=1.39
sdW=30.9
fwW=1.33
sdS=117.9
fwS=1.48
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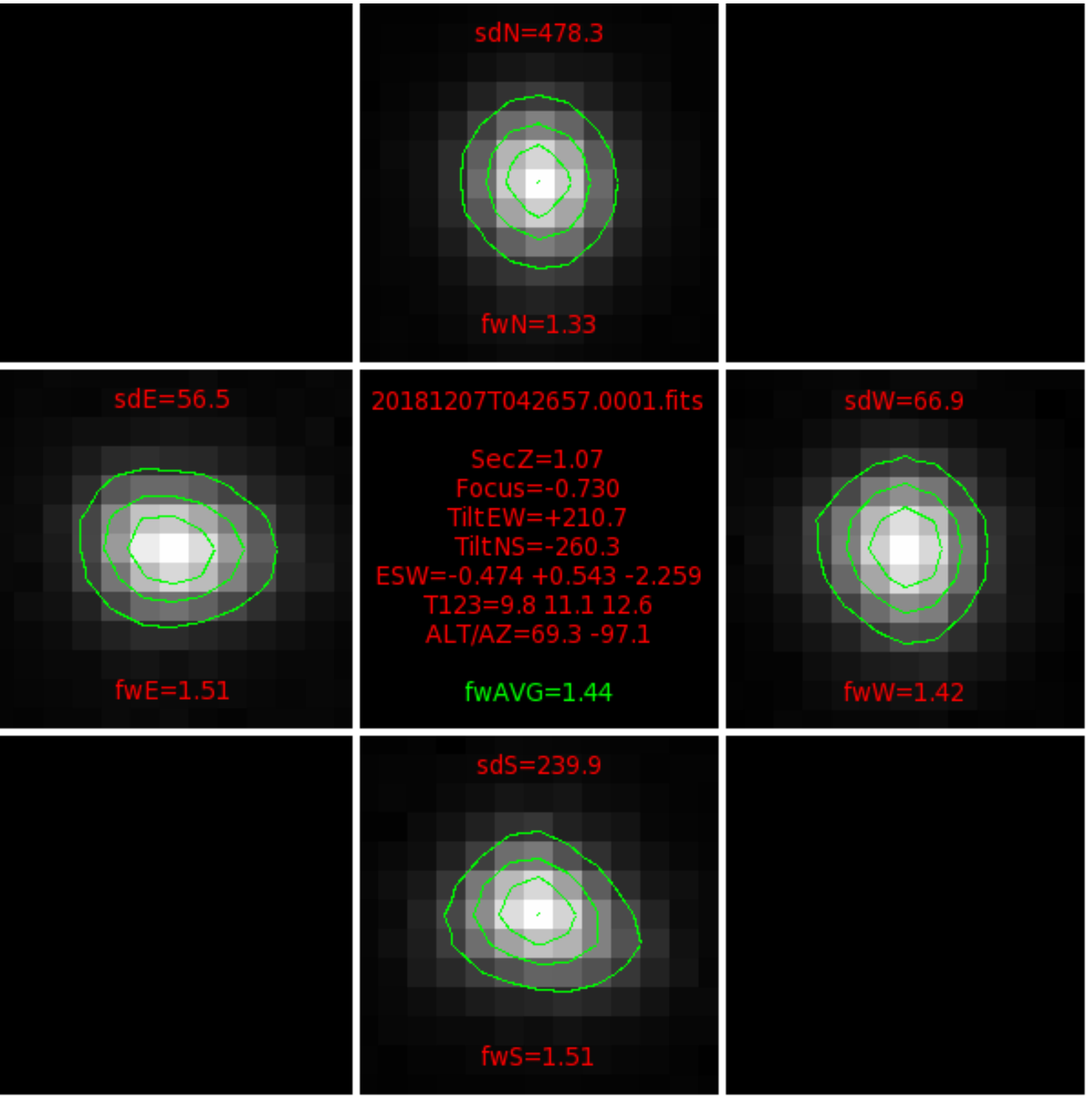
sdN=478.3
fwN=1.33
sdE=56.5
fwE=1.51
20181207T042657.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.8 11.1 12.6
ALT/AZ=69.3 -97.1
fwAVG=1.44
sdW=66.9
fwW=1.42
sdS=239.9
fwS=1.51
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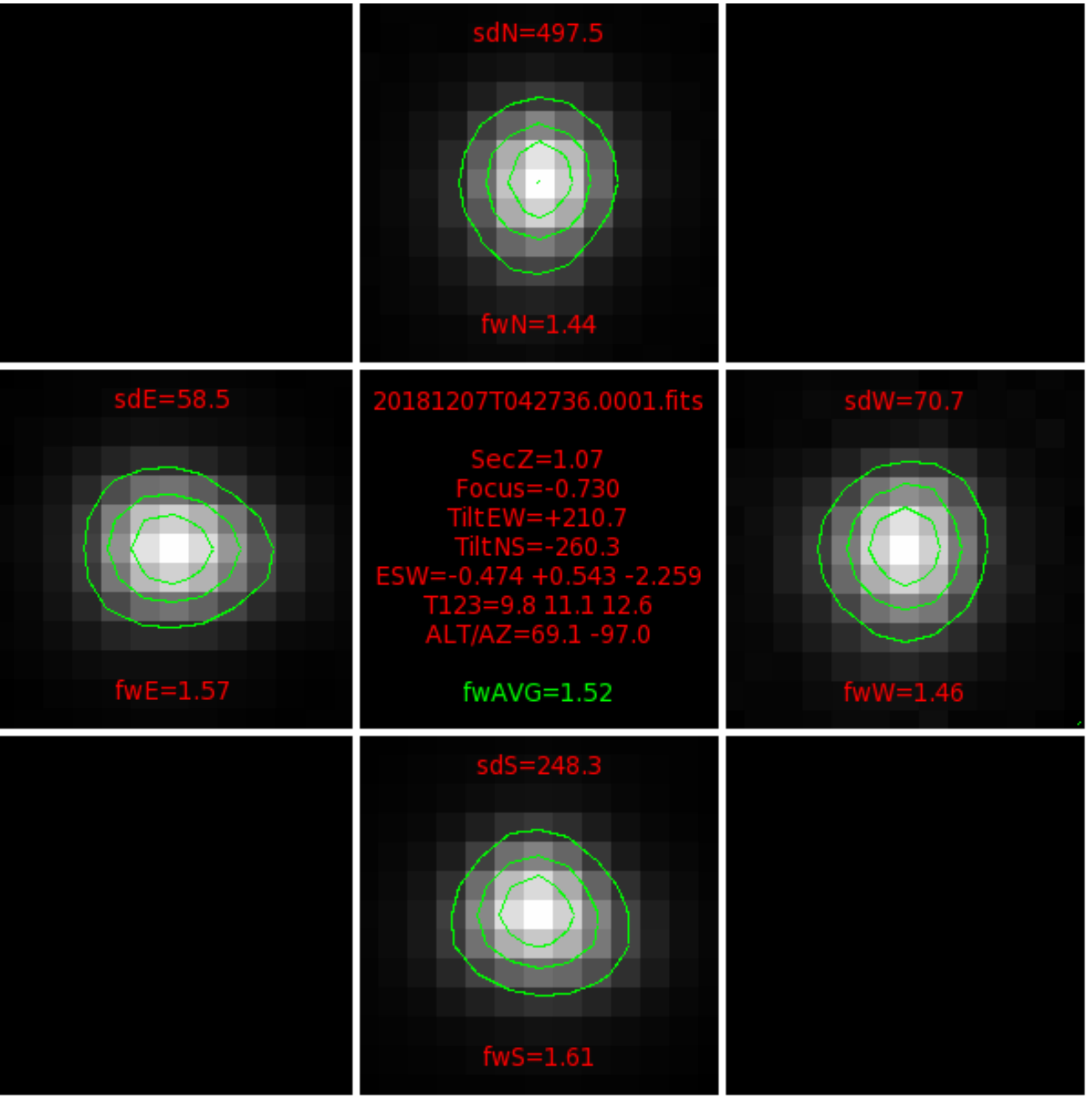
sdN=497.5
fwN=1.44
sdE=58.5
fwE=1.57
20181207T042736.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.8 11.1 12.6
ALT/AZ=69.1 -97.0
fwAVG=1.52
sdW=70.7
fwW=1.46
sdS=248.3
fwS=1.61
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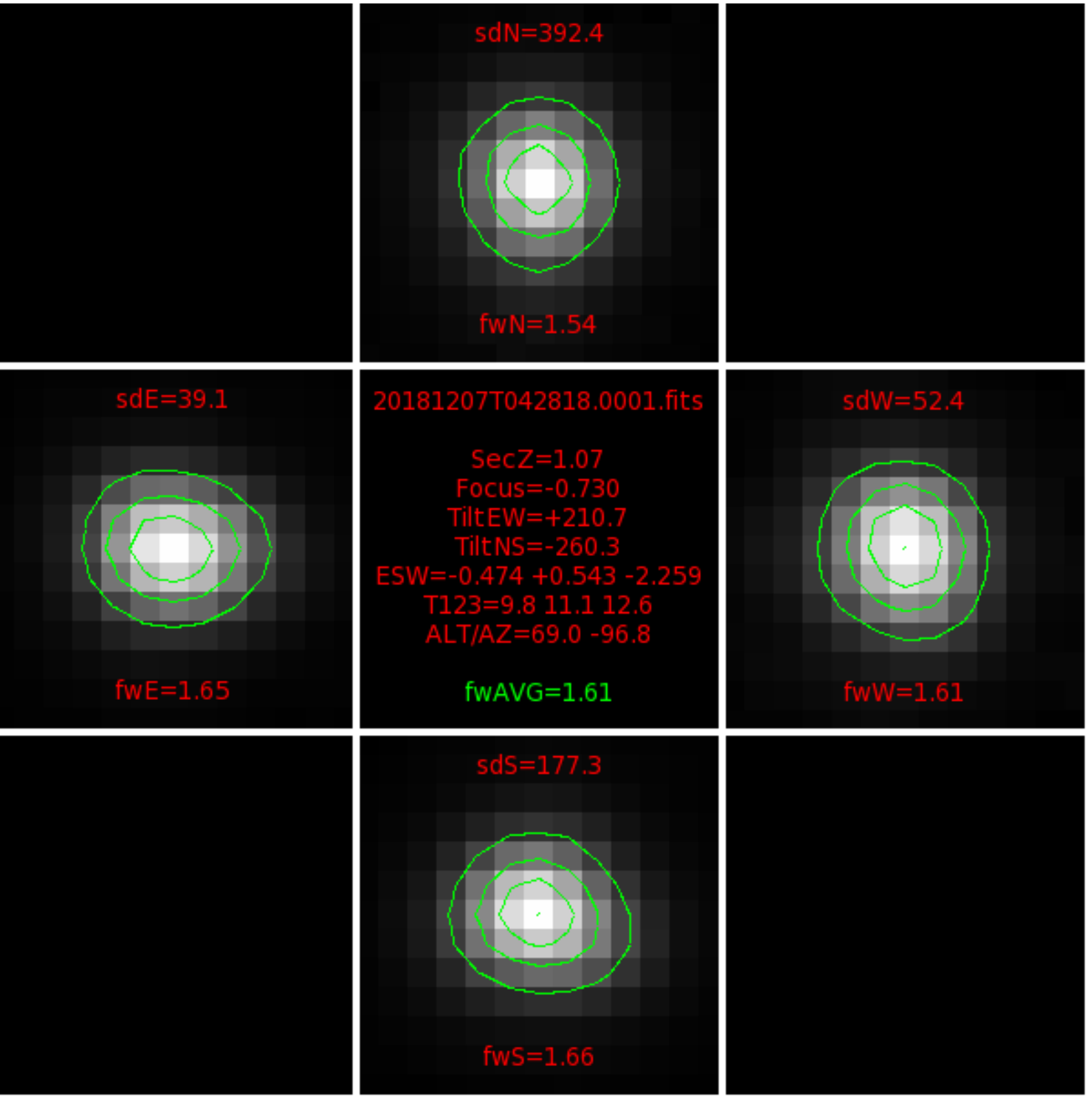
sdN=392.4
fwN=1.54
sdE=39.1
fwE=1.65
20181207T042818.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.8 11.1 12.6
ALT/AZ=69.0 -96.8
fwAVG=1.61
sdW=52.4
fwW=1.61
sdS=177.3
fwS=1.66
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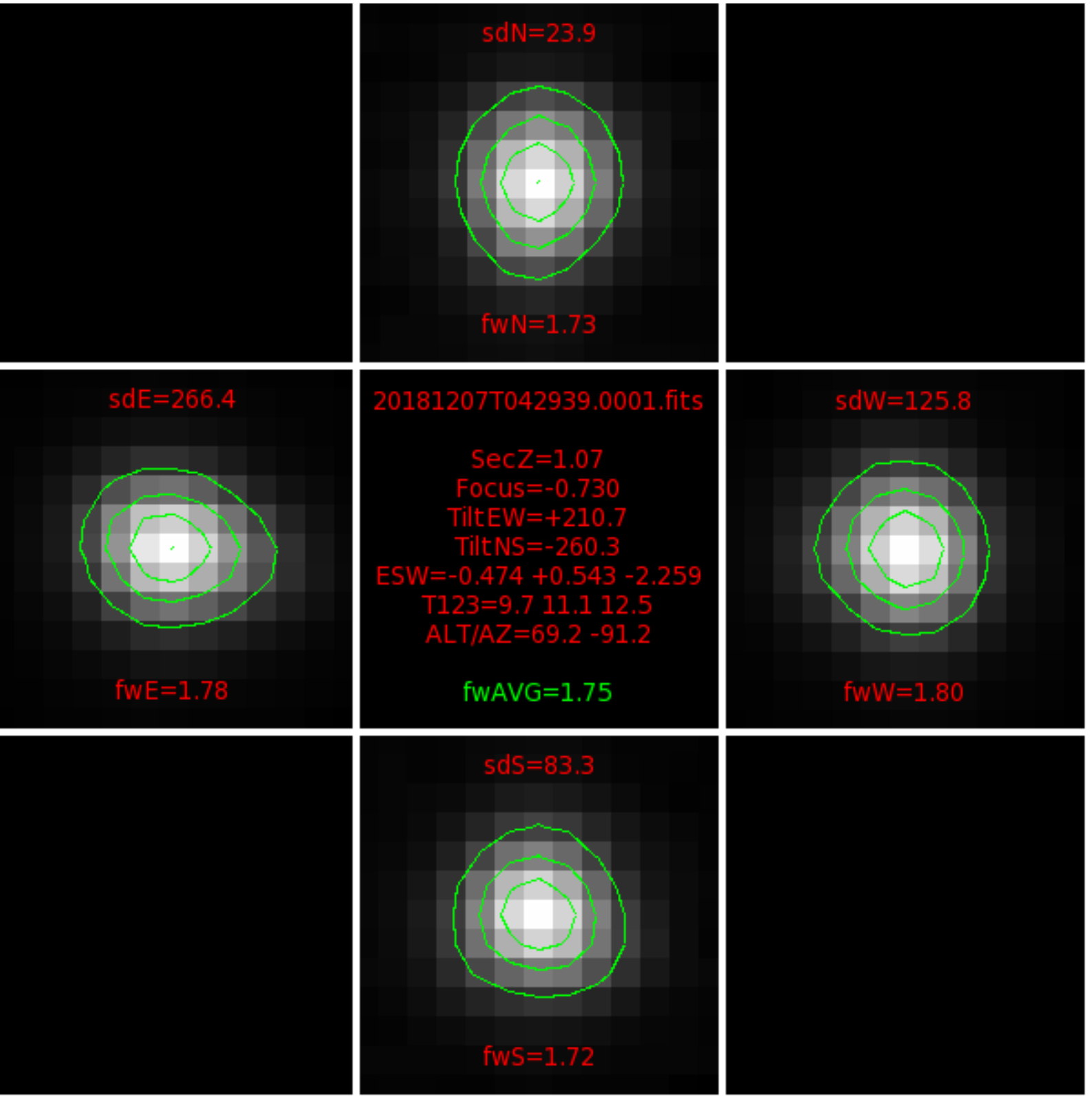
sdN=23.9
fwN=1.73
sdE=266.4
fwE=1.78
20181207T042939.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.7 11.1 12.5
ALT/AZ=69.2 -91.2
fwAVG=1.75
sdW=125.8
fwW=1.80
sdS=83.3
fwS=1.72
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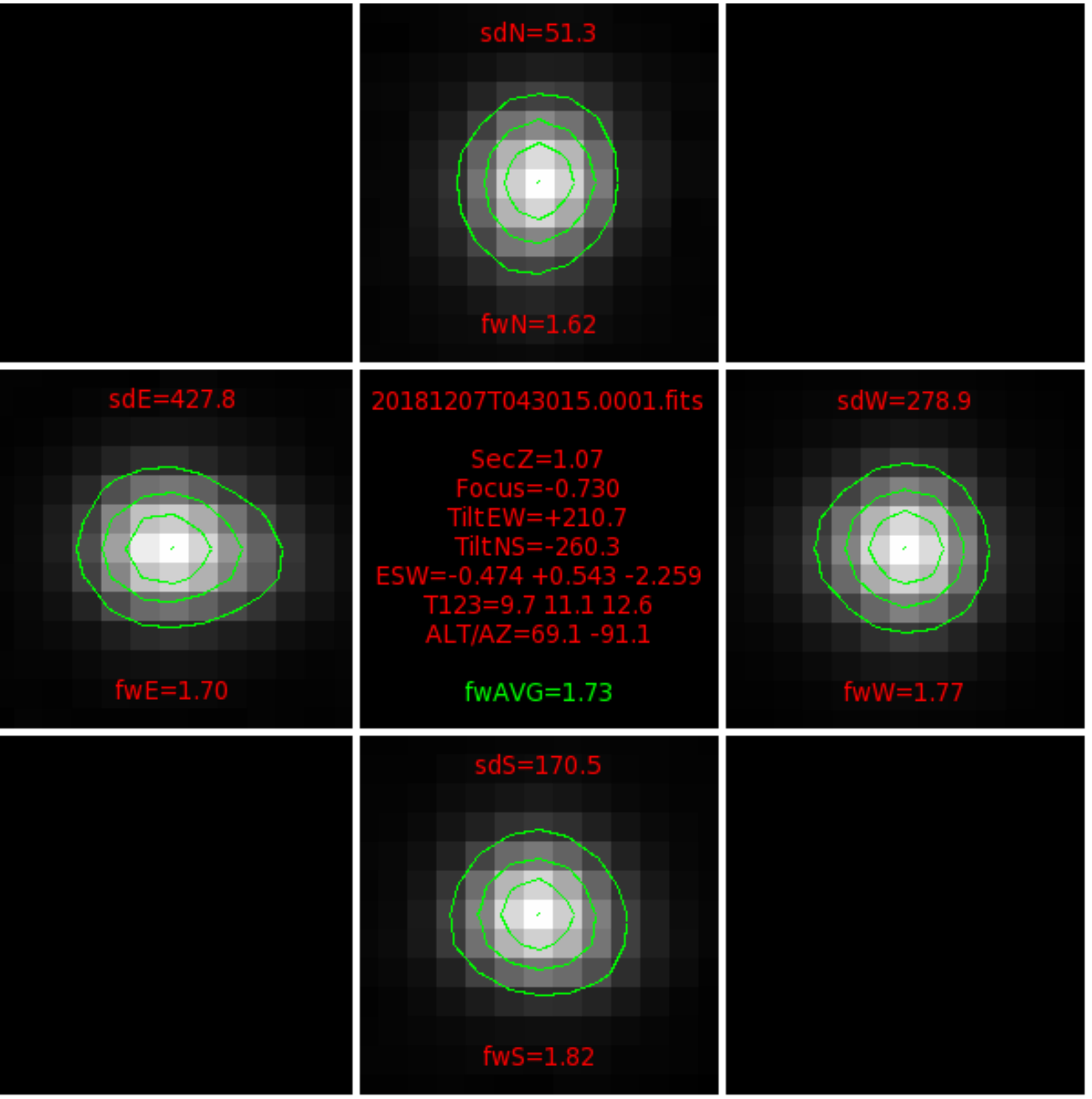
sdN=51.3
fwN=1.62
sdE=427.8
fwE=1.70
20181207T043015.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.7 11.1 12.6
ALT/AZ=69.1 -91.1
fwAVG=1.73
sdW=278.9
fwW=1.77
sdS=170.5
fwS=1.82
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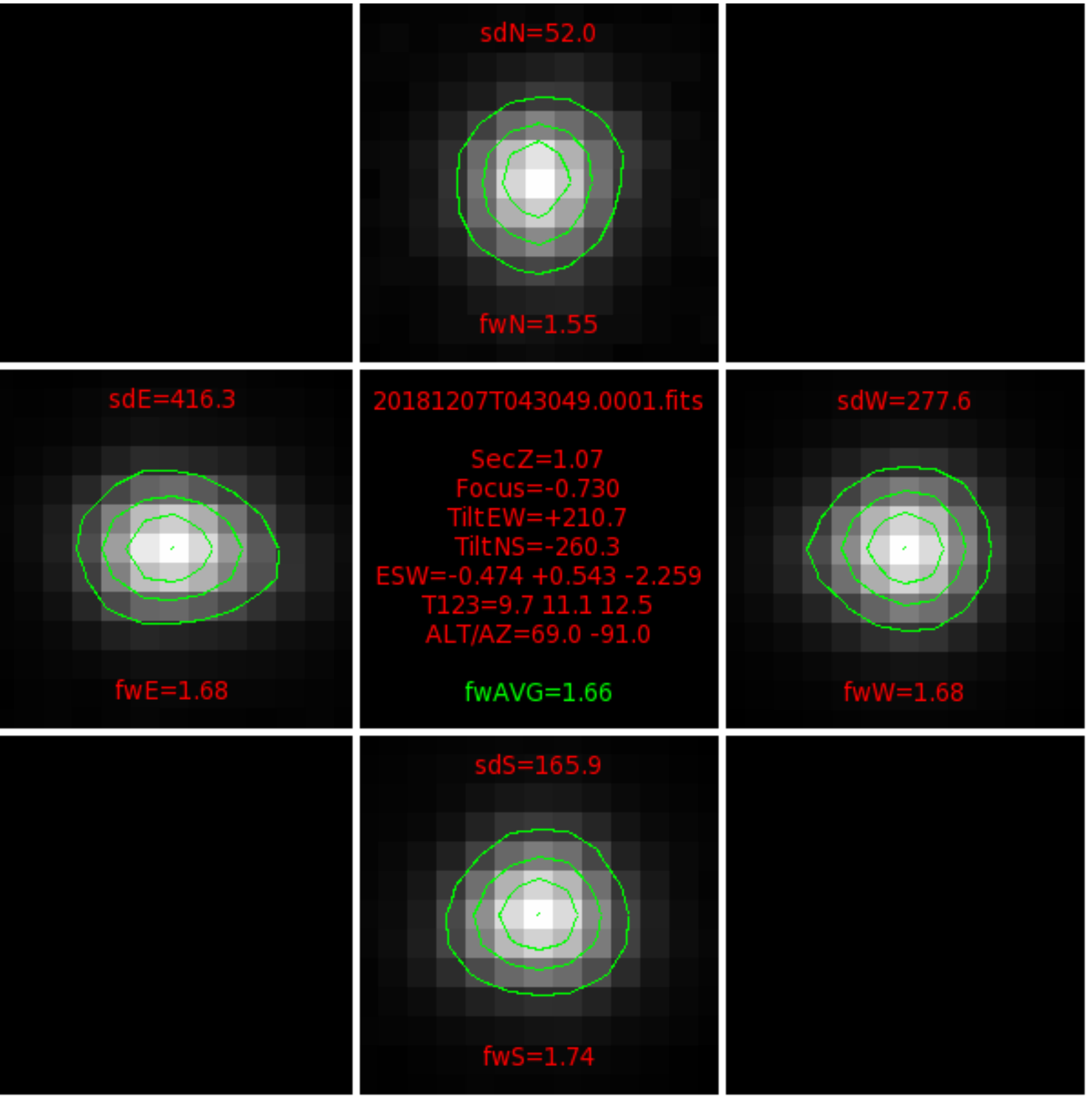
sdN=52.0
fwN=1.55
sdE=416.3
fwE=1.68
20181207T043049.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.7 11.1 12.5
ALT/AZ=69.0 -91.0
fwAVG=1.66
sdW=277.6
fwW=1.68
sdS=165.9
fwS=1.74
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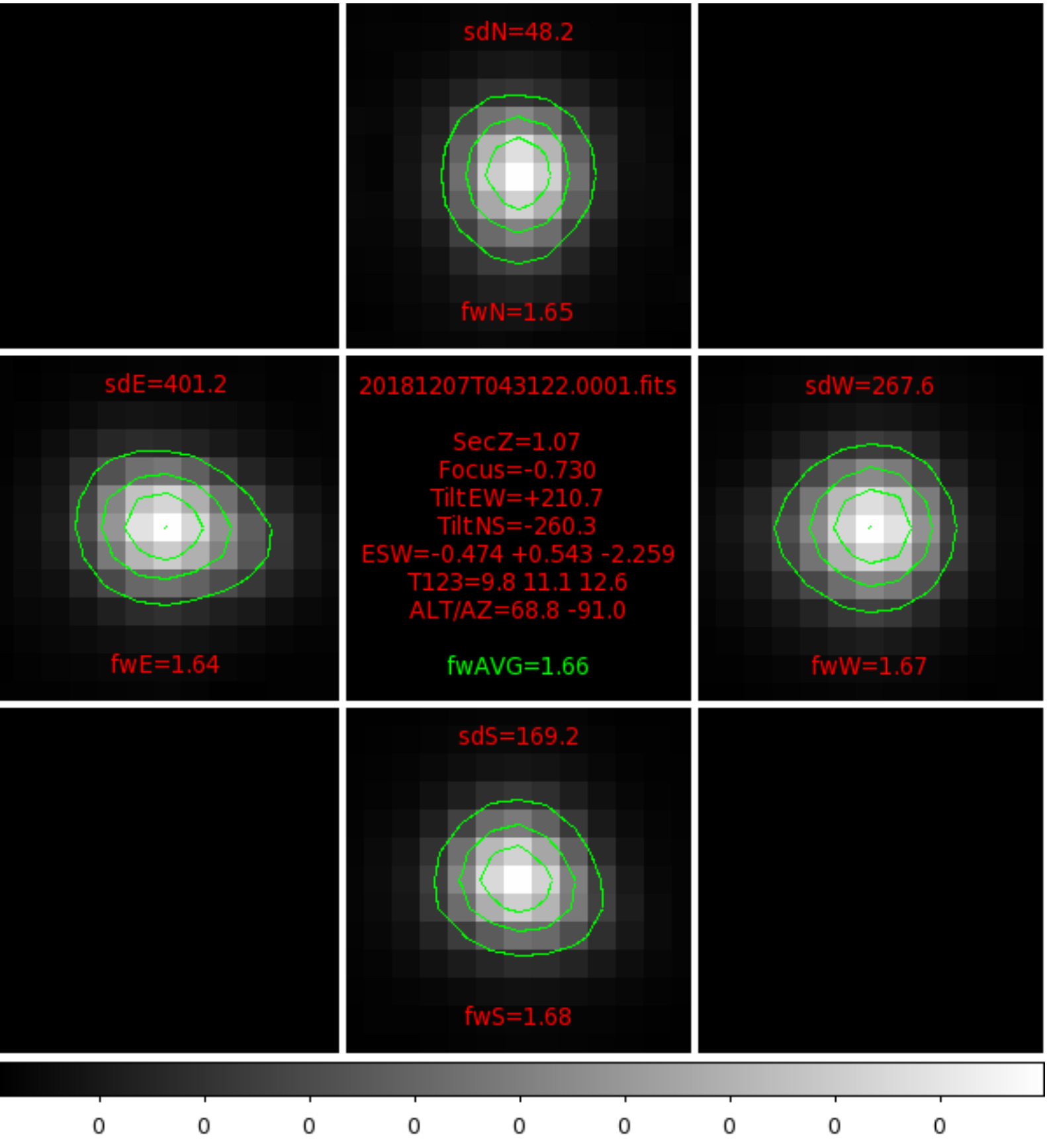
sdN=48.2
fwN=1.65
sdE=401.2
fwE=1.64
20181207T043122.0001.fits
SecZ=1.07
Focus=-0.730
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.474 +0.543 -2.259
T123=9.8 11.1 12.6
ALT/AZ=68.8 -91.0
fwAVG=1.66
sdW=267.6
fwW=1.67
sdS=169.2
fwS=1.68
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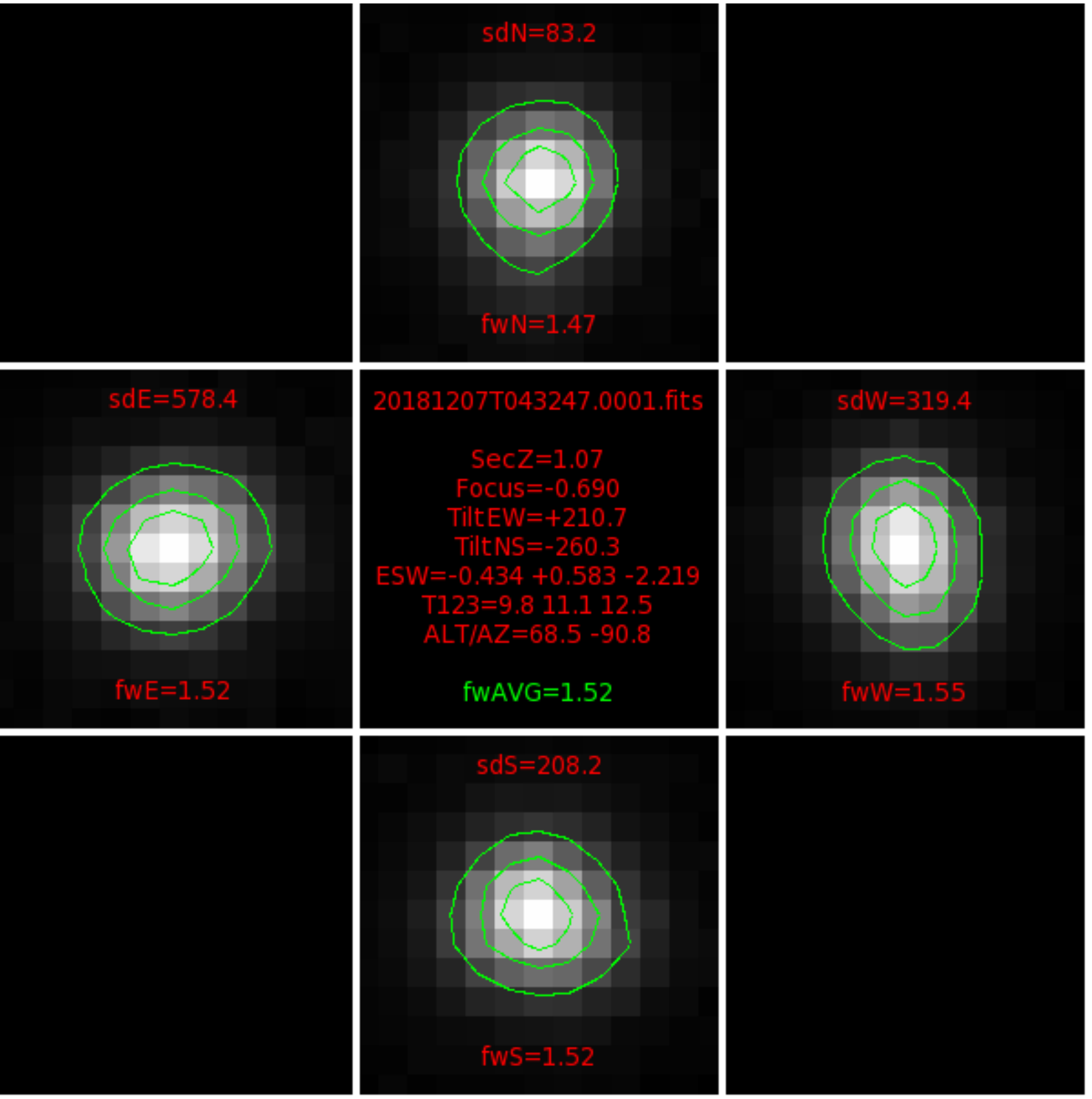
sdN=83.2
fwN=1.47
sdE=578.4
fwE=1.52
20181207T043247.0001.fits
SecZ=1.07
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.8 11.1 12.5
ALT/AZ=68.5 -90.8
fwAVG=1.52
sdW=319.4
fwW=1.55
sdS=208.2
fwS=1.52
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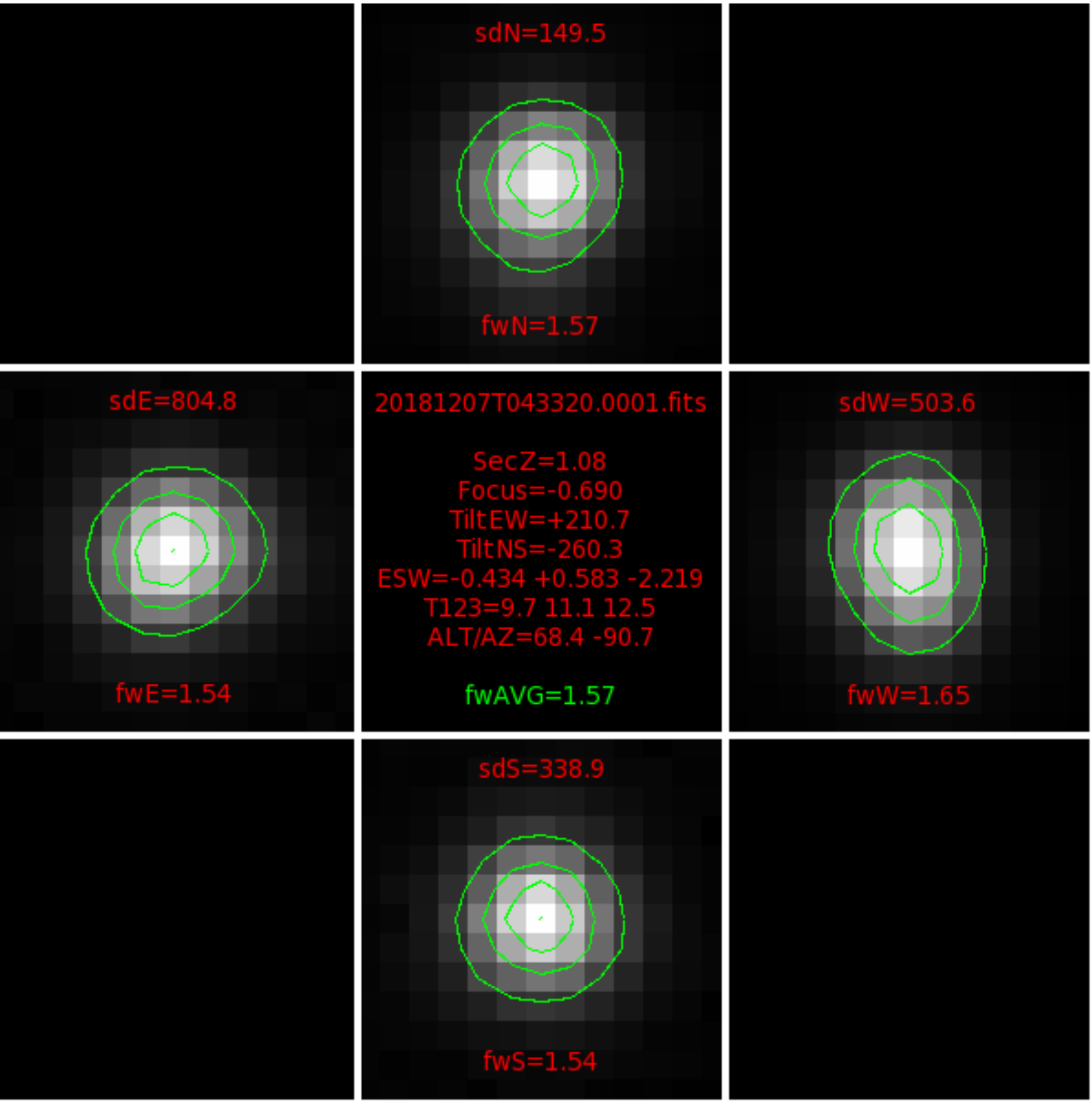
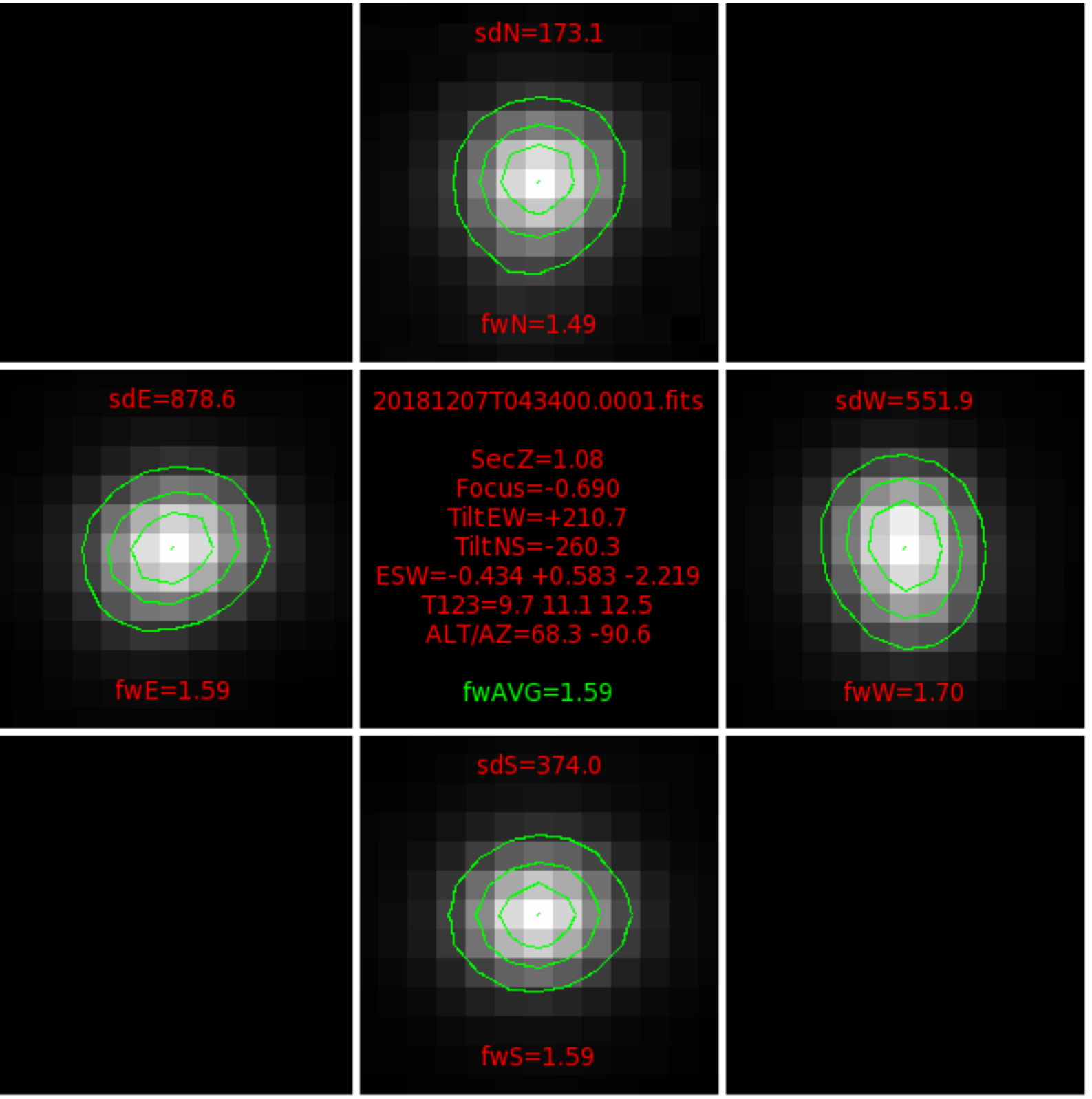

sdN=149.5
fwN=1.57
sdE=804.8
fwE=1.54
20181207T043320.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.7 11.1 12.5
ALT/AZ=68.4 -90.7
fwAVG=1.57
sdW=503.6
fwW=1.65
sdS=338.9
fwS=1.54
0 0 0 0 0 0 0 0 0


sdN=173.1
fwN=1.49
sdE=878.6
fwE=1.59
20181207T043400.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.7 11.1 12.5
ALT/AZ=68.3 -90.6
fwAVG=1.59
sdW=551.9
fwW=1.70
sdS=374.0
fwS=1.59
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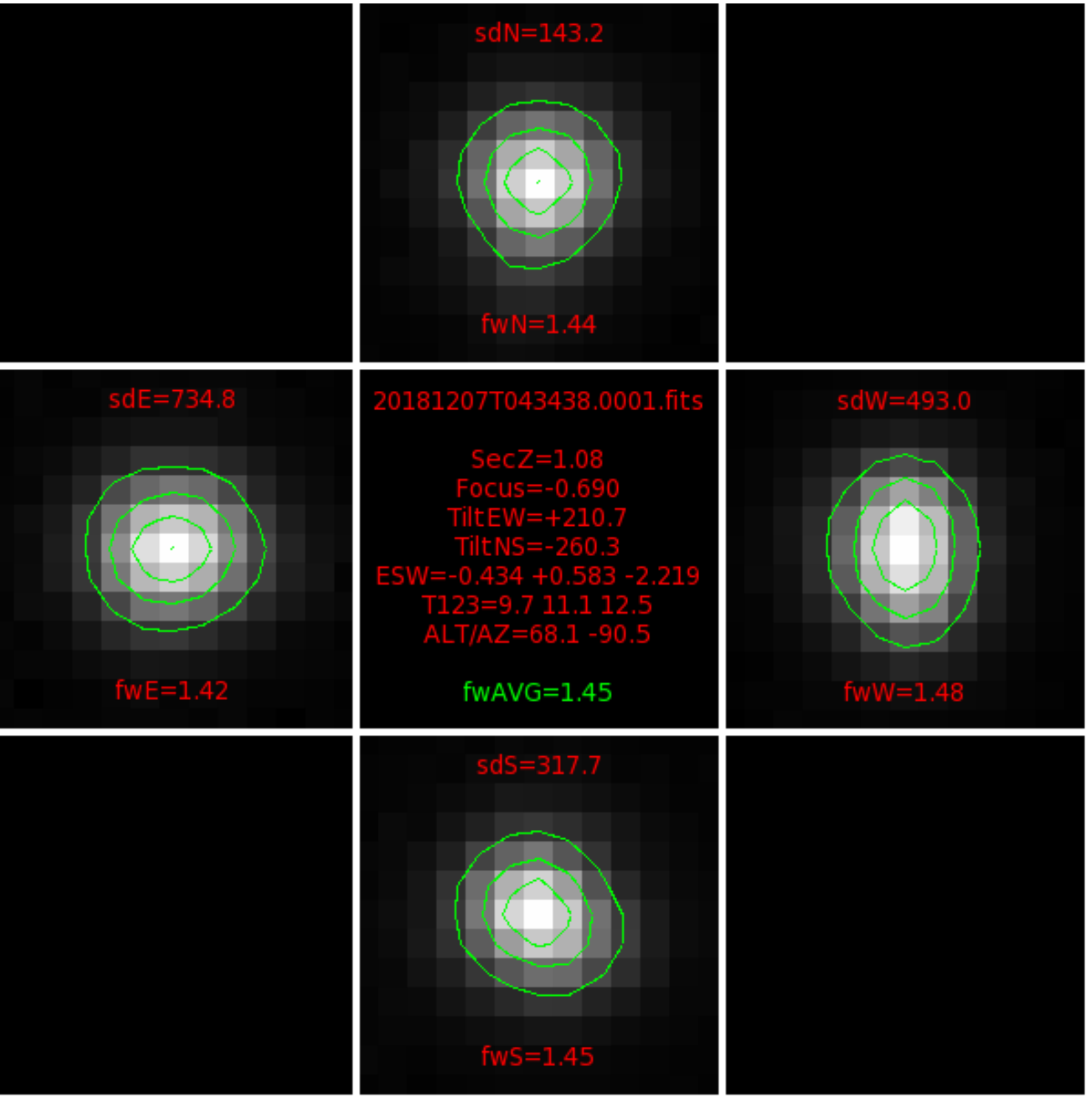
sdN=143.2
fwN=1.44
sdE=734.8
fwE=1.42
20181207T043438.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.7 11.1 12.5
ALT/AZ=68.1 -90.5
fwAVG=1.45
sdW=493.0
fwW=1.48
sdS=317.7
fwS=1.45
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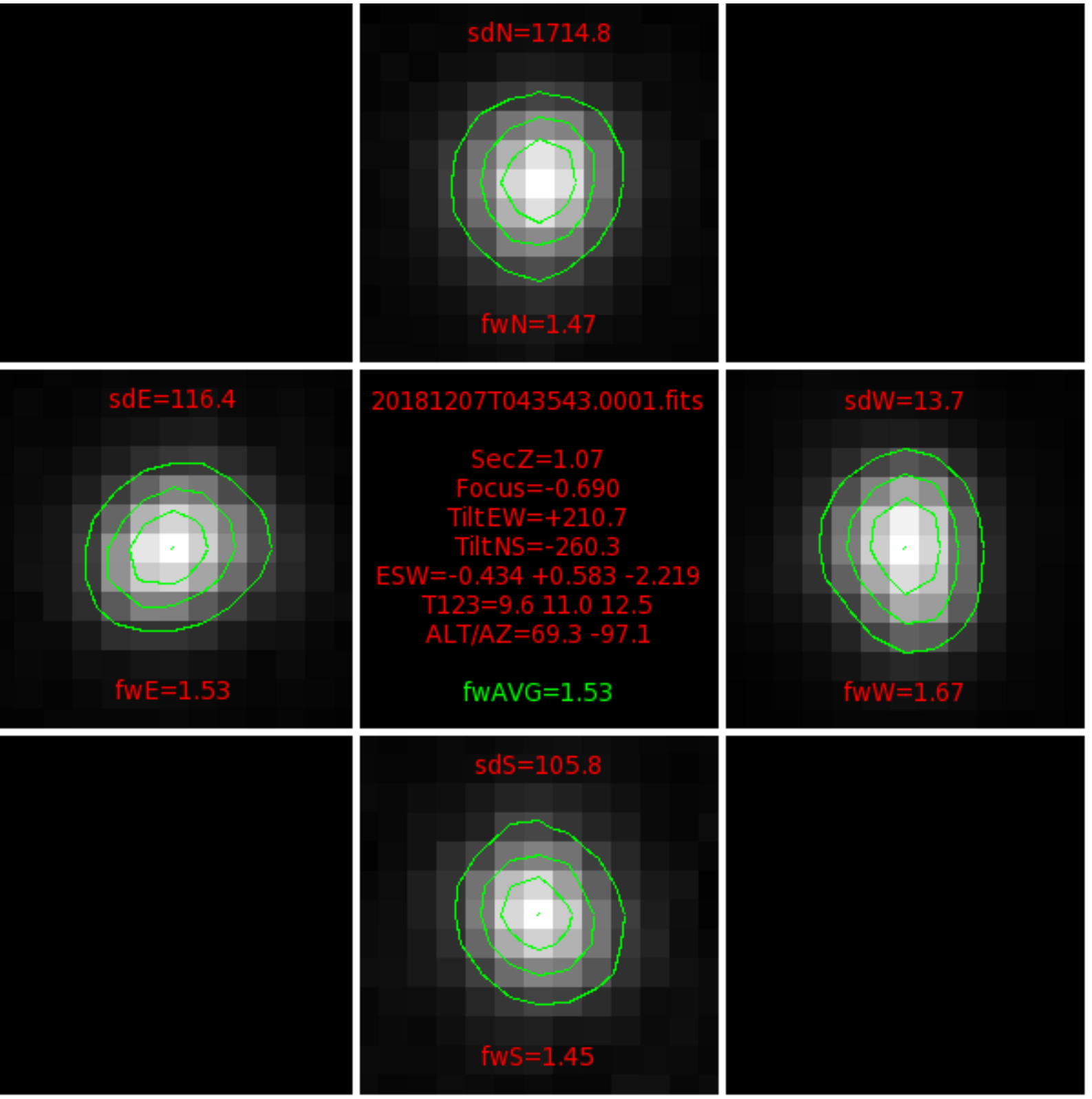
sdN=1714.8
fwN=1.47
sdE=116.4
fwE=1.53
20181207T043543.0001.fits
SecZ=1.07
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.6 11.0 12.5
ALT/AZ=69.3 -97.1
fwAVG=1.53
sdW=13.7
fwW=1.67
sdS=105.8
fwS=1.45
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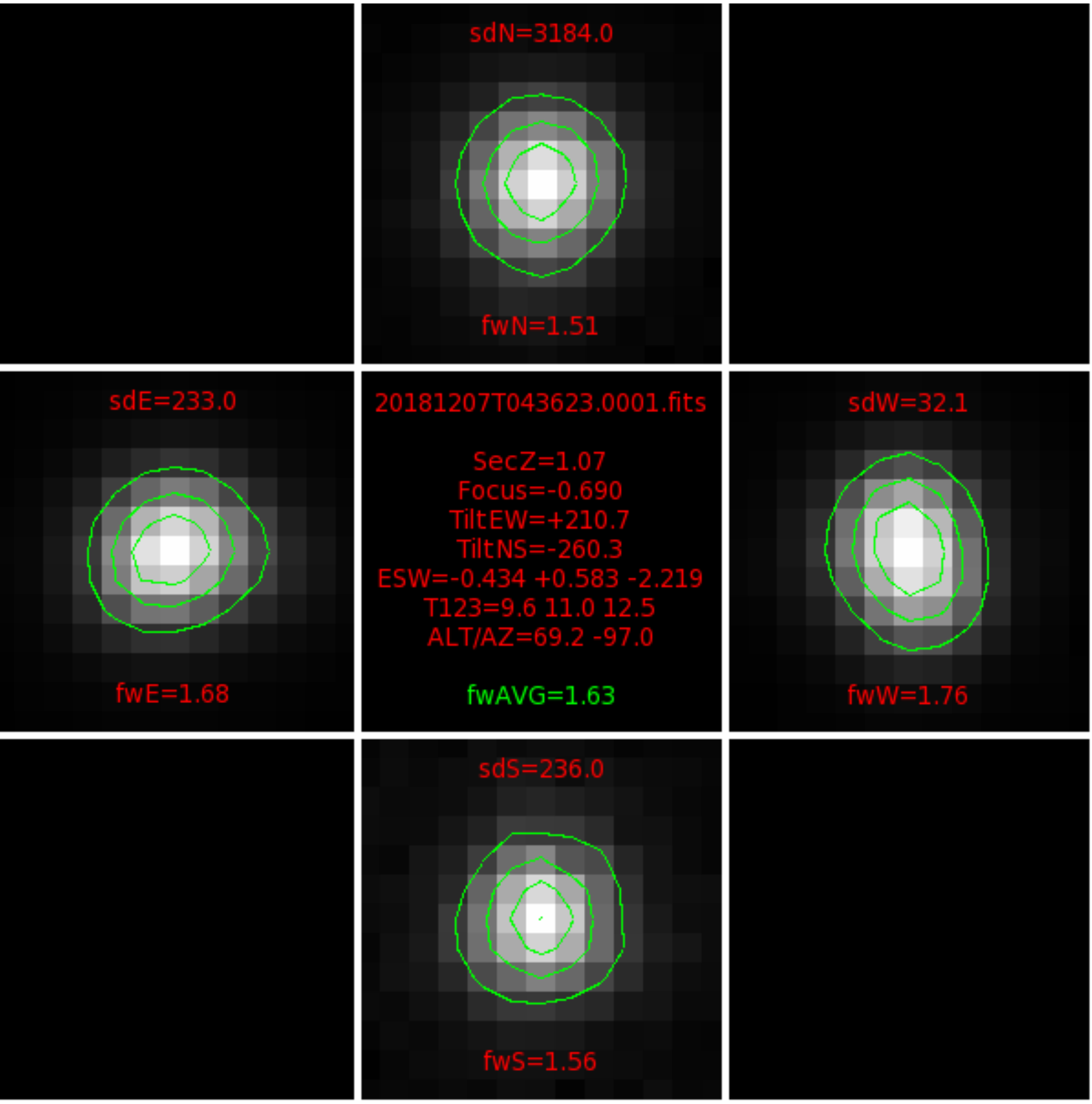
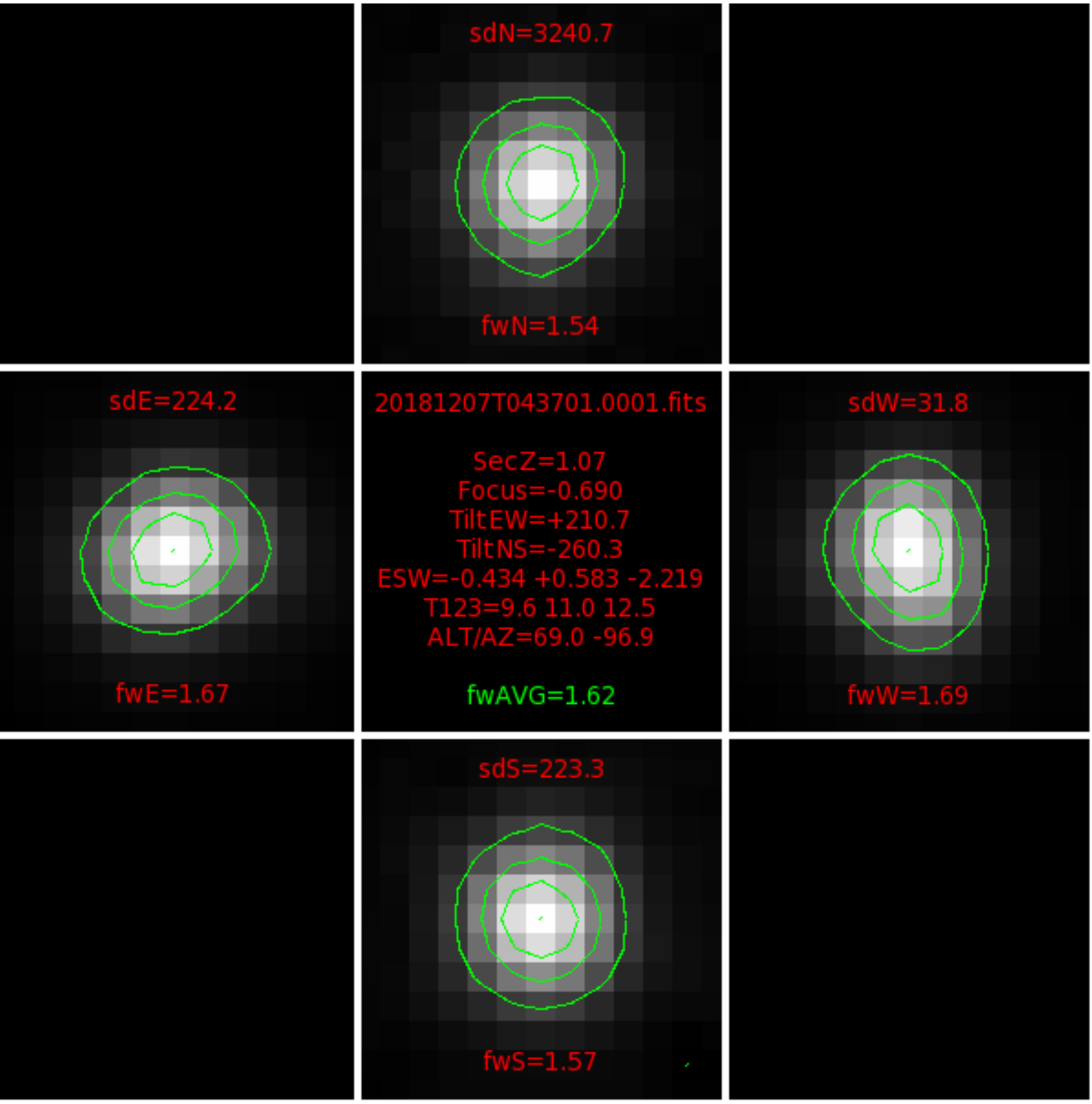

sdN=3184.0
fwN=1.51
sdE=233.0
fwE=1.68
20181207T043623.0001.fits
SecZ=1.07
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.6 11.0 12.5
ALT/AZ=69.2 -97.0
fwAVG=1.63
sdW=32.1
fwW=1.76
sdS=236.0
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=3240.7
fwN=1.54
sdE=224.2
fwE=1.67
20181207T043701.0001.fits
SecZ=1.07
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.6 11.0 12.5
ALT/AZ=69.0 -96.9
fwAVG=1.62
sdW=31.8
fwW=1.69
sdS=223.3
fwS=1.57
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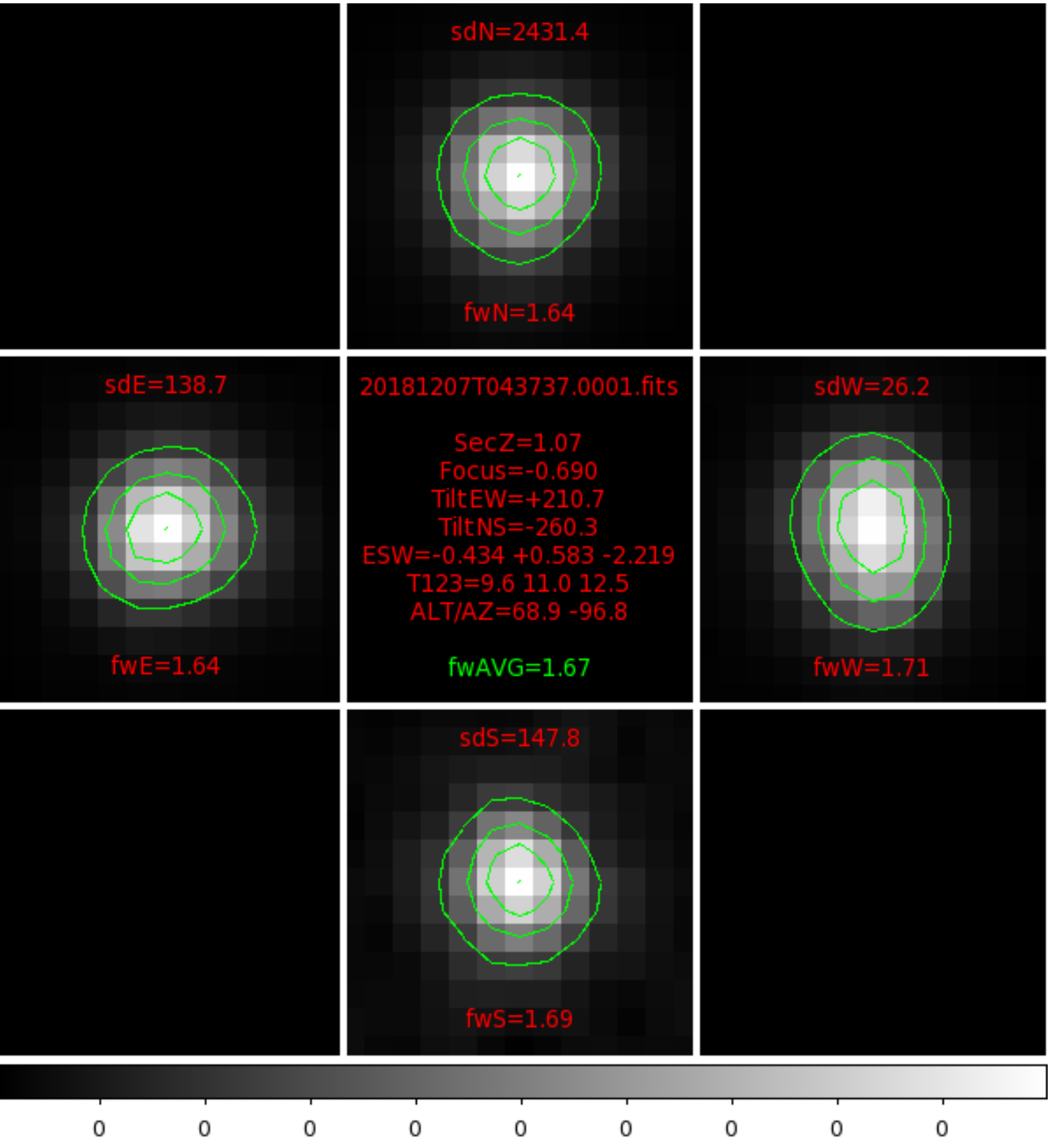
sdN=2431.4
fwN=1.64
sdE=138.7
fwE=1.64
20181207T043737.0001.fits
SecZ=1.07
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.6 11.0 12.5
ALT/AZ=68.9 -96.8
fwAVG=1.67
sdW=26.2
fwW=1.71
sdS=147.8
fwS=1.69
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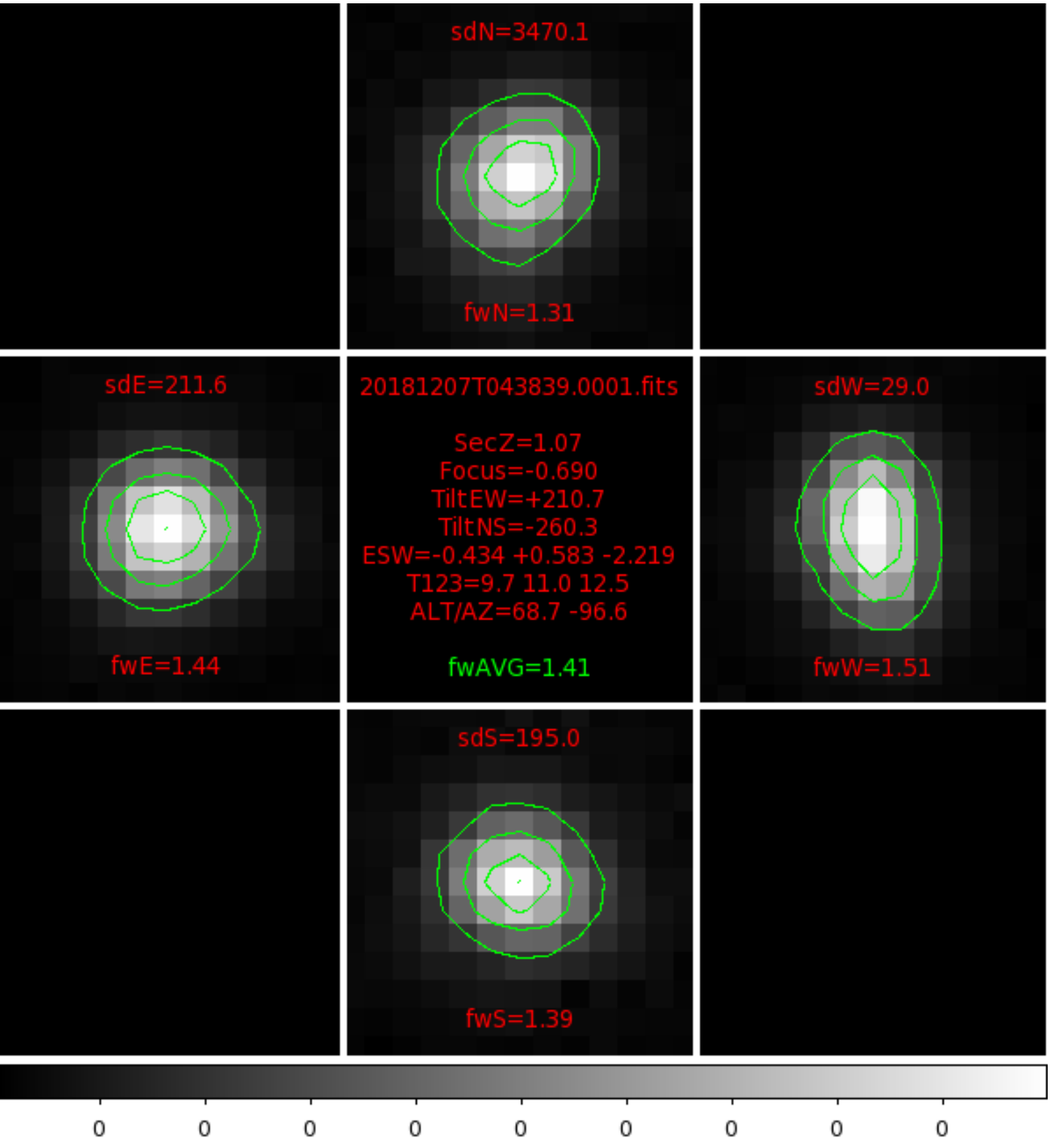
sdN=3470.1
fwN=1.31
sdE=211.6
fwE=1.44
20181207T043839.0001.fits
SecZ=1.07
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.7 11.0 12.5
ALT/AZ=68.7 -96.6
fwAVG=1.41
sdW=29.0
fwW=1.51
sdS=195.0
fwS=1.39
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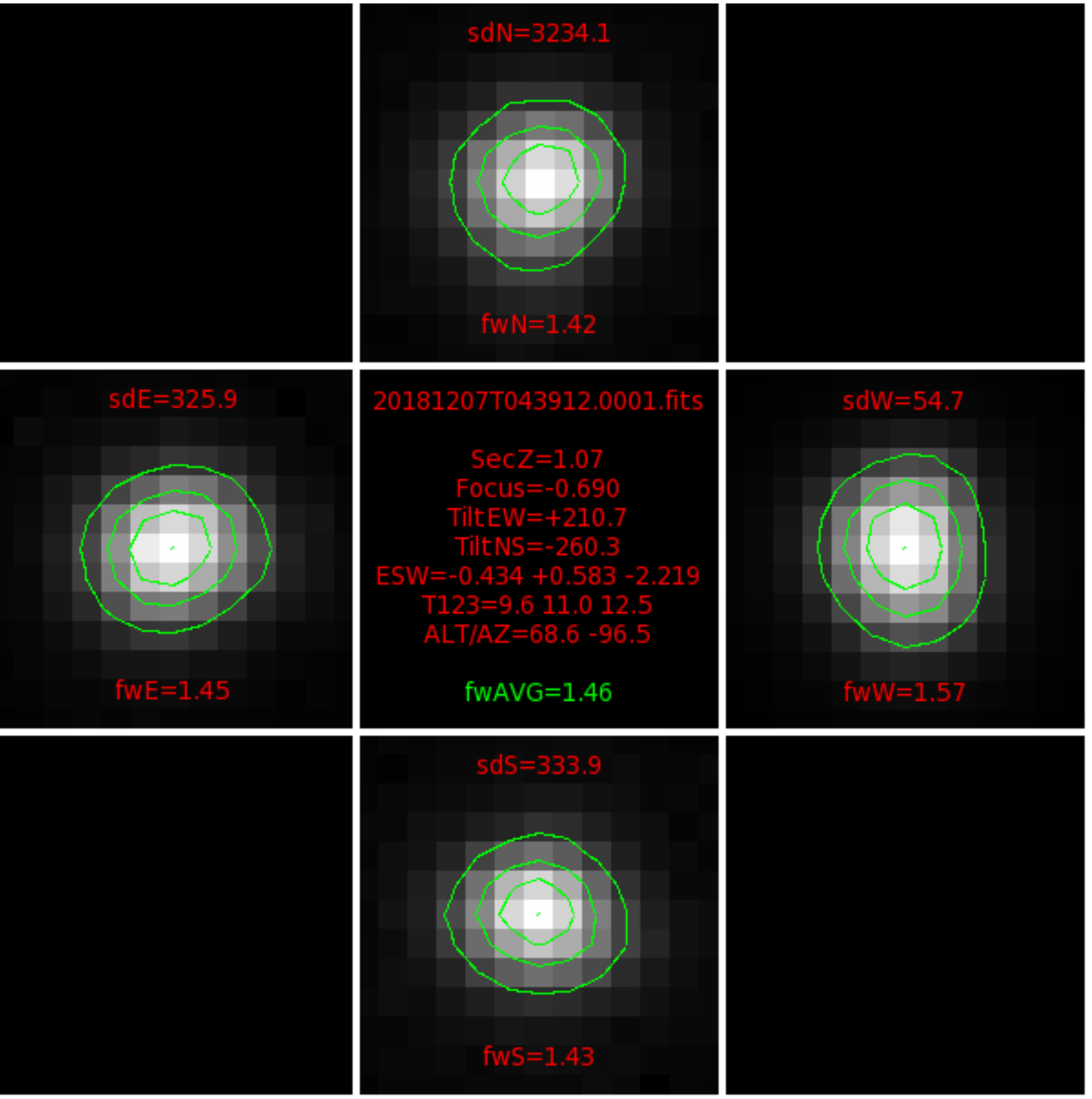
sdN=3234.1
fwN=1.42
sdE=325.9
fwE=1.45
20181207T043912.0001.fits
SecZ=1.07
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.6 11.0 12.5
ALT/AZ=68.6 -96.5
fwAVG=1.46
sdW=54.7
fwW=1.57
sdS=333.9
fwS=1.43
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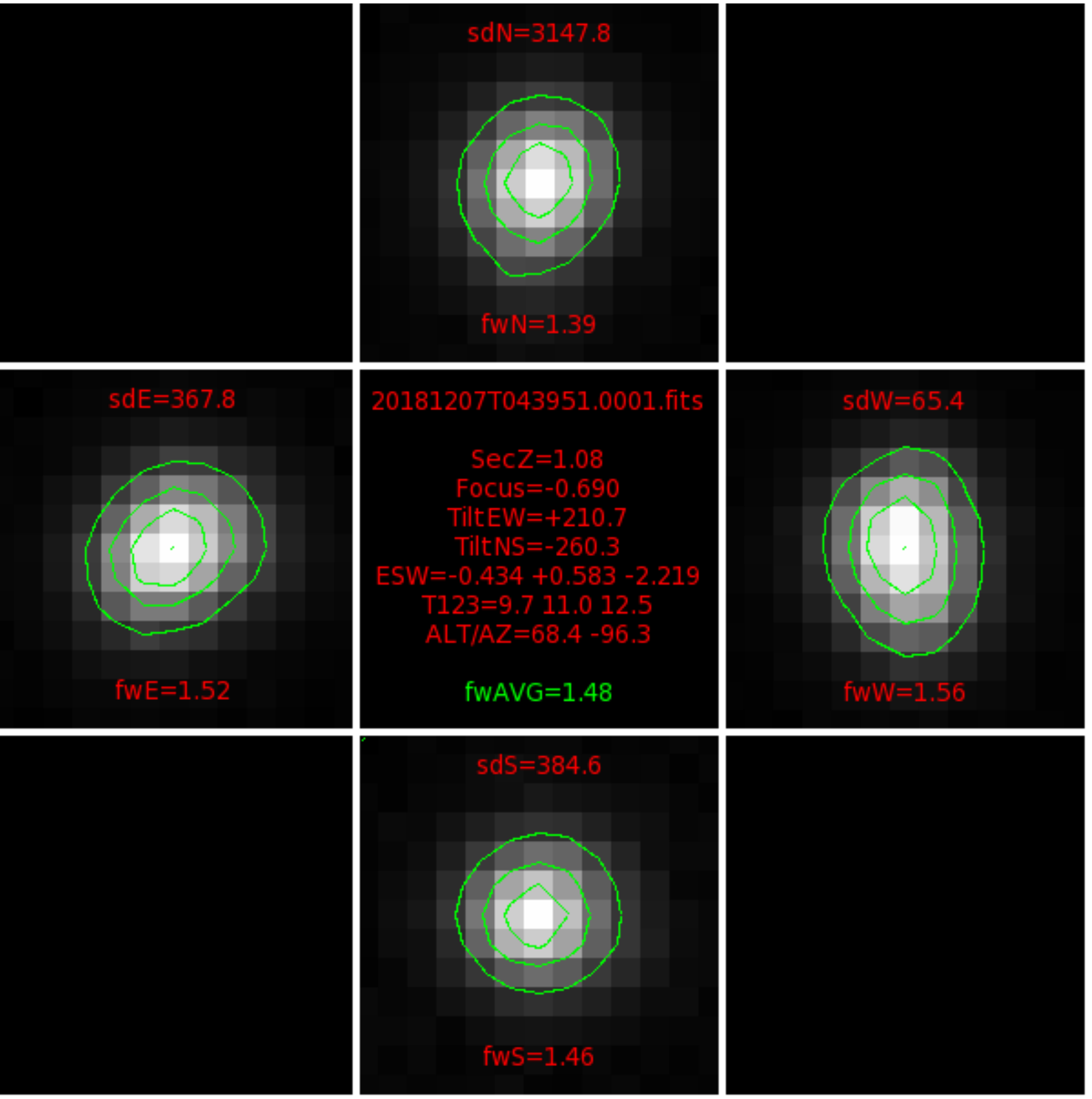
sdN=3147.8
fwN=1.39
sdE=367.8
fwE=1.52
20181207T043951.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.7 11.0 12.5
ALT/AZ=68.4 -96.3
fwAVG=1.48
sdW=65.4
fwW=1.56
sdS=384.6
fwS=1.46
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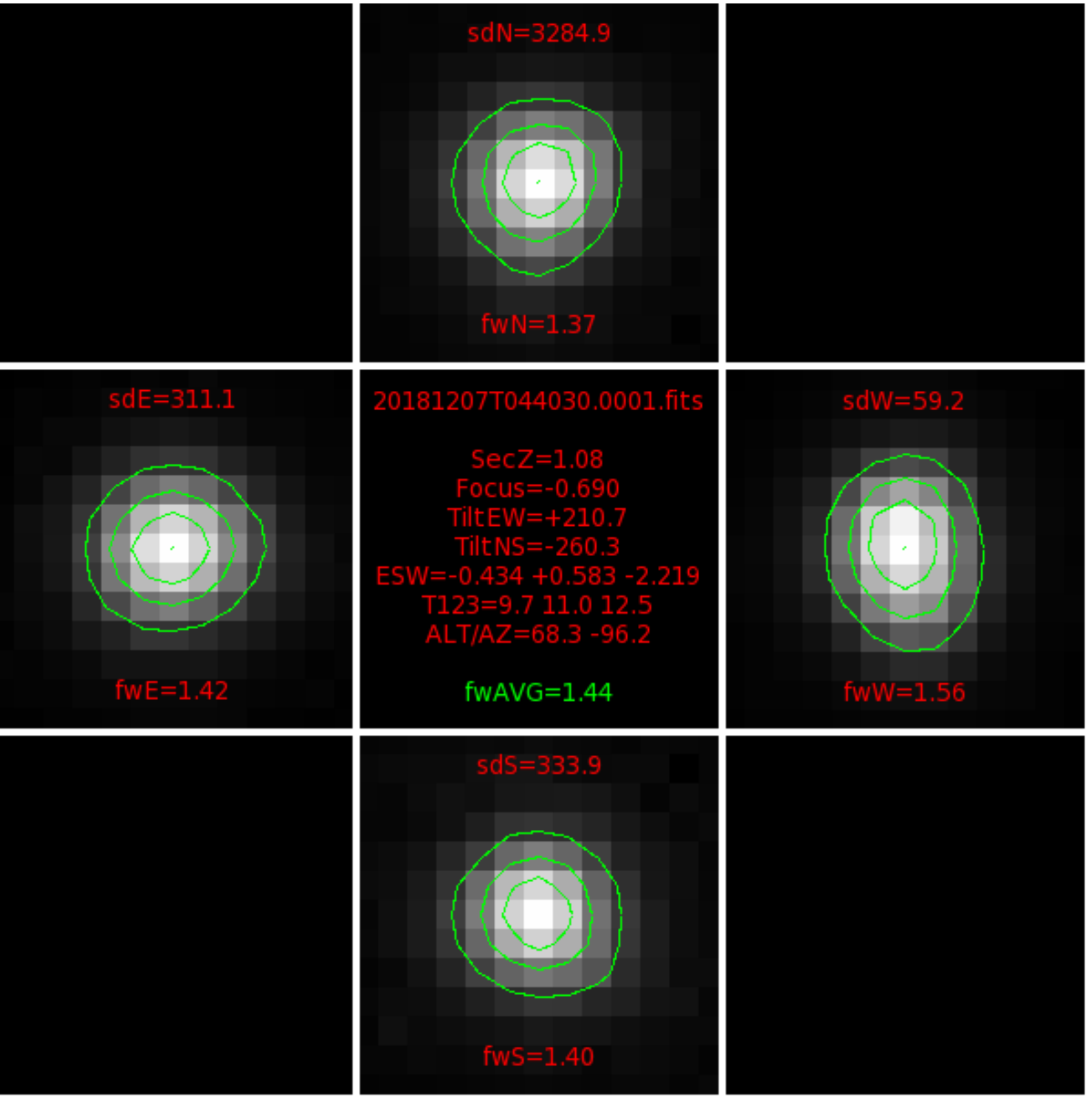
sdN=3284.9
fwN=1.37
sdE=311.1
fwE=1.42
20181207T044030.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.7 11.0 12.5
ALT/AZ=68.3 -96.2
fwAVG=1.44
sdW=59.2
fwW=1.56
sdS=333.9
fwS=1.40
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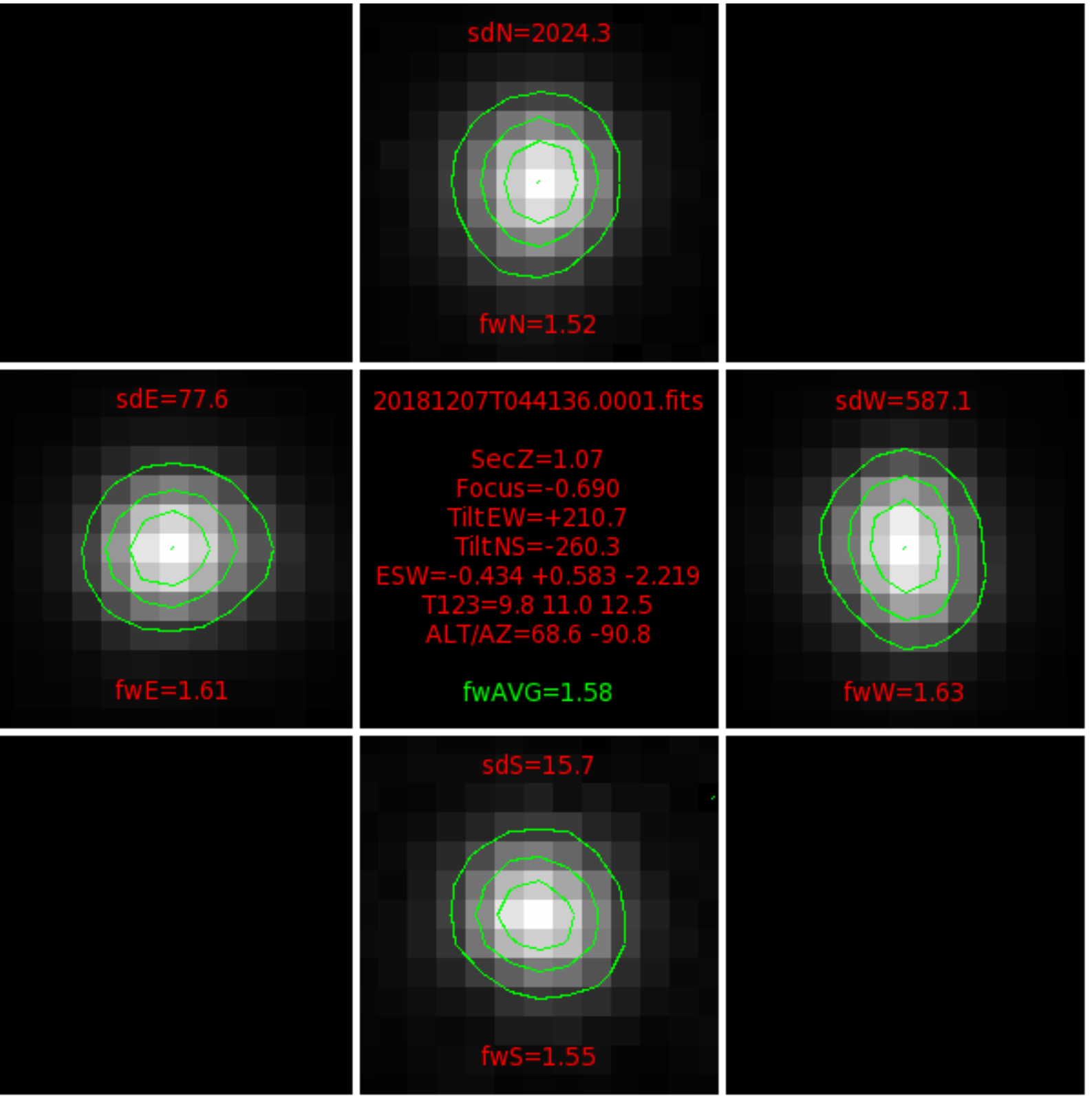
sdN=2024.3
fwN=1.52
sdE=77.6
fwE=1.61
20181207T044136.0001.fits
SecZ=1.07
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.8 11.0 12.5
ALT/AZ=68.6 -90.8
fwAVG=1.58
sdW=587.1
fwW=1.63
sdS=15.7
fwS=1.55
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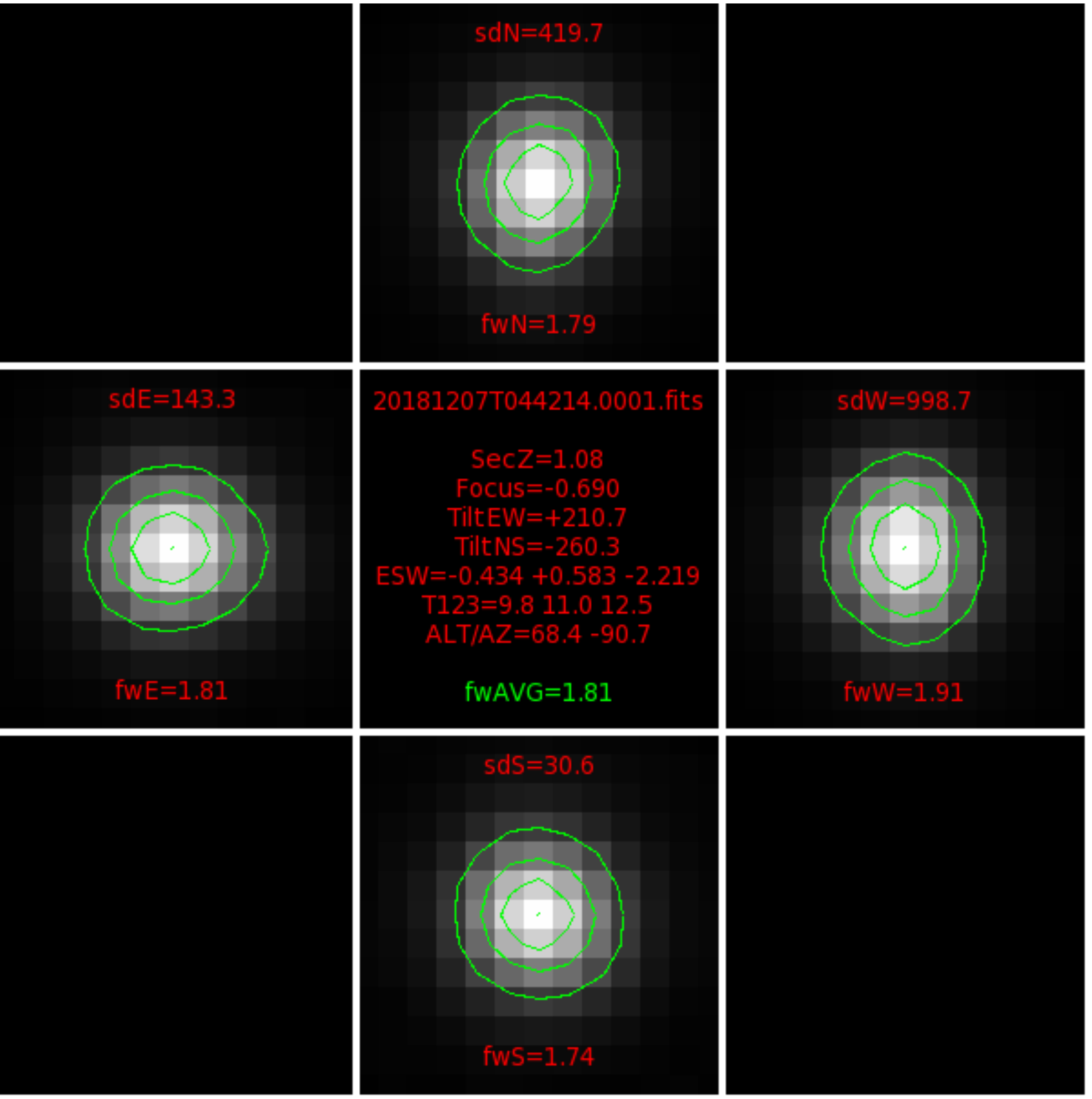
sdN=419.7
fwN=1.79
sdE=143.3
fwE=1.81
20181207T044214.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.8 11.0 12.5
ALT/AZ=68.4 -90.7
fwAVG=1.81
sdW=998.7
fwW=1.91
sdS=30.6
fwS=1.74
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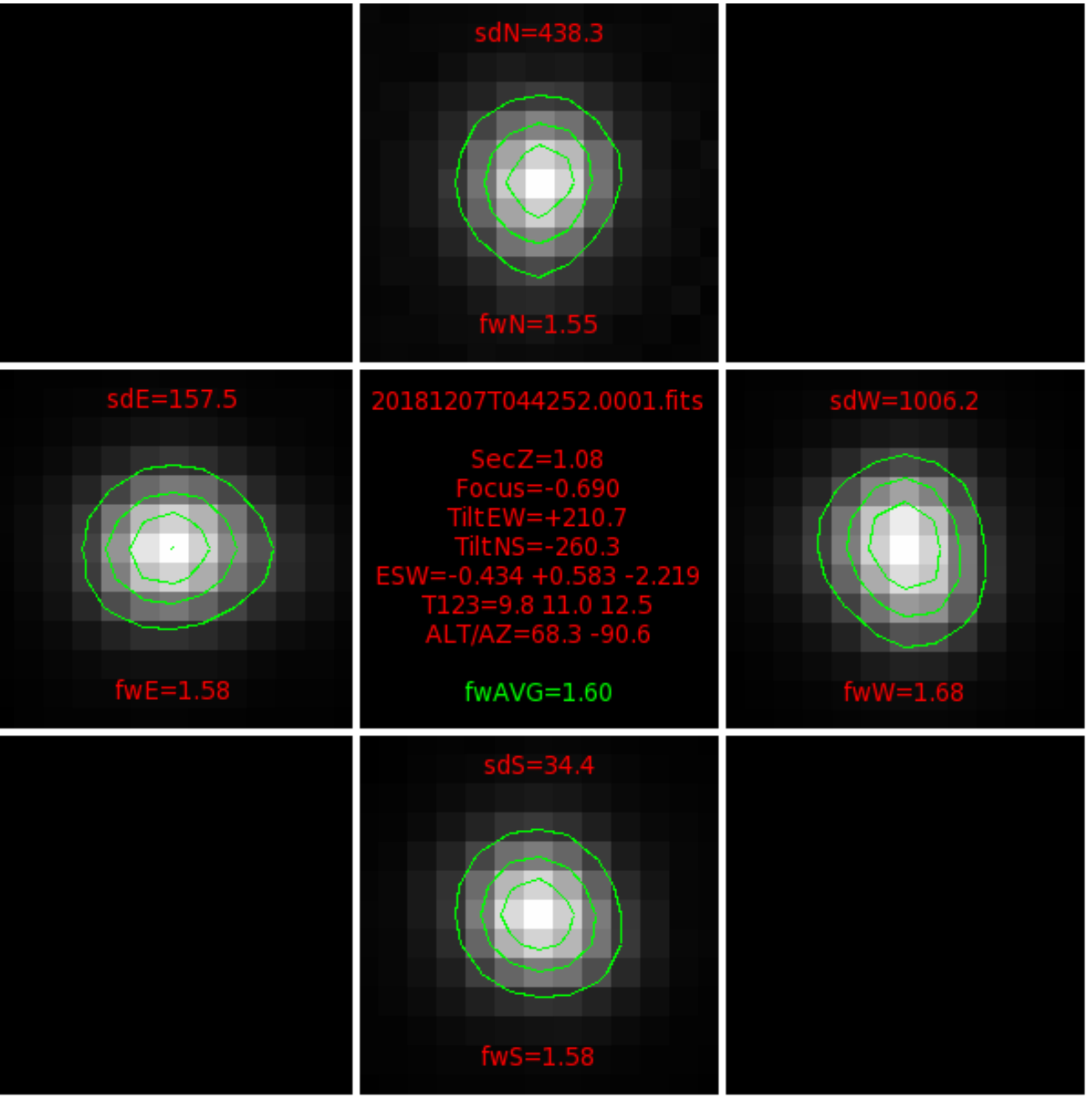
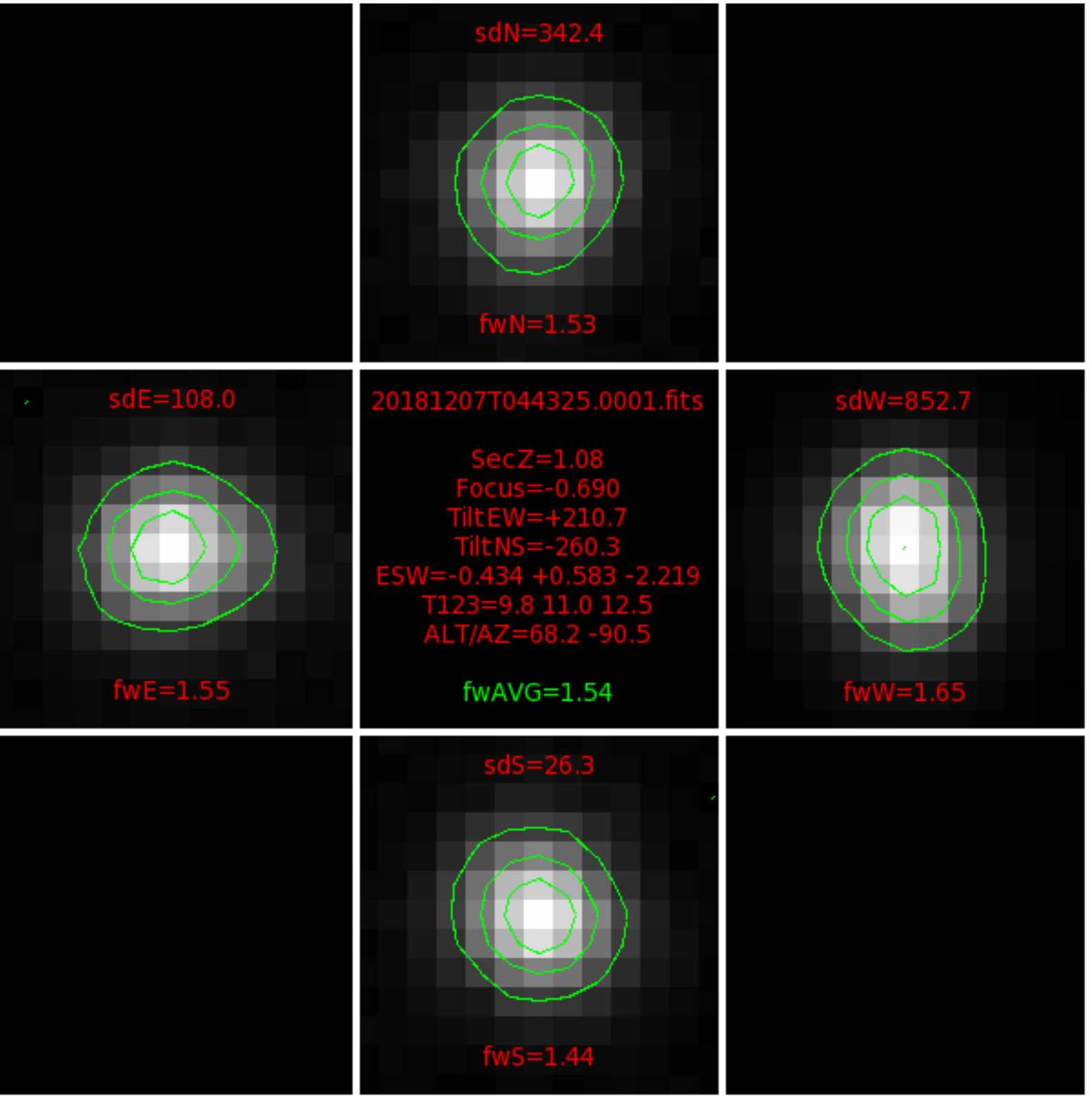

sdN=438.3
fwN=1.55
sdE=157.5
fwE=1.58
20181207T044252.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.8 11.0 12.5
ALT/AZ=68.3 -90.6
fwAVG=1.60
sdW=1006.2
fwW=1.68
sdS=34.4
fwS=1.58
0 0 0 0 0 0 0 0 0


sdN=342.4
fwN=1.53
sdE=108.0
fwE=1.55
20181207T044325.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.8 11.0 12.5
ALT/AZ=68.2 -90.5
fwAVG=1.54
sdW=852.7
fwW=1.65
sdS=26.3
fwS=1.44
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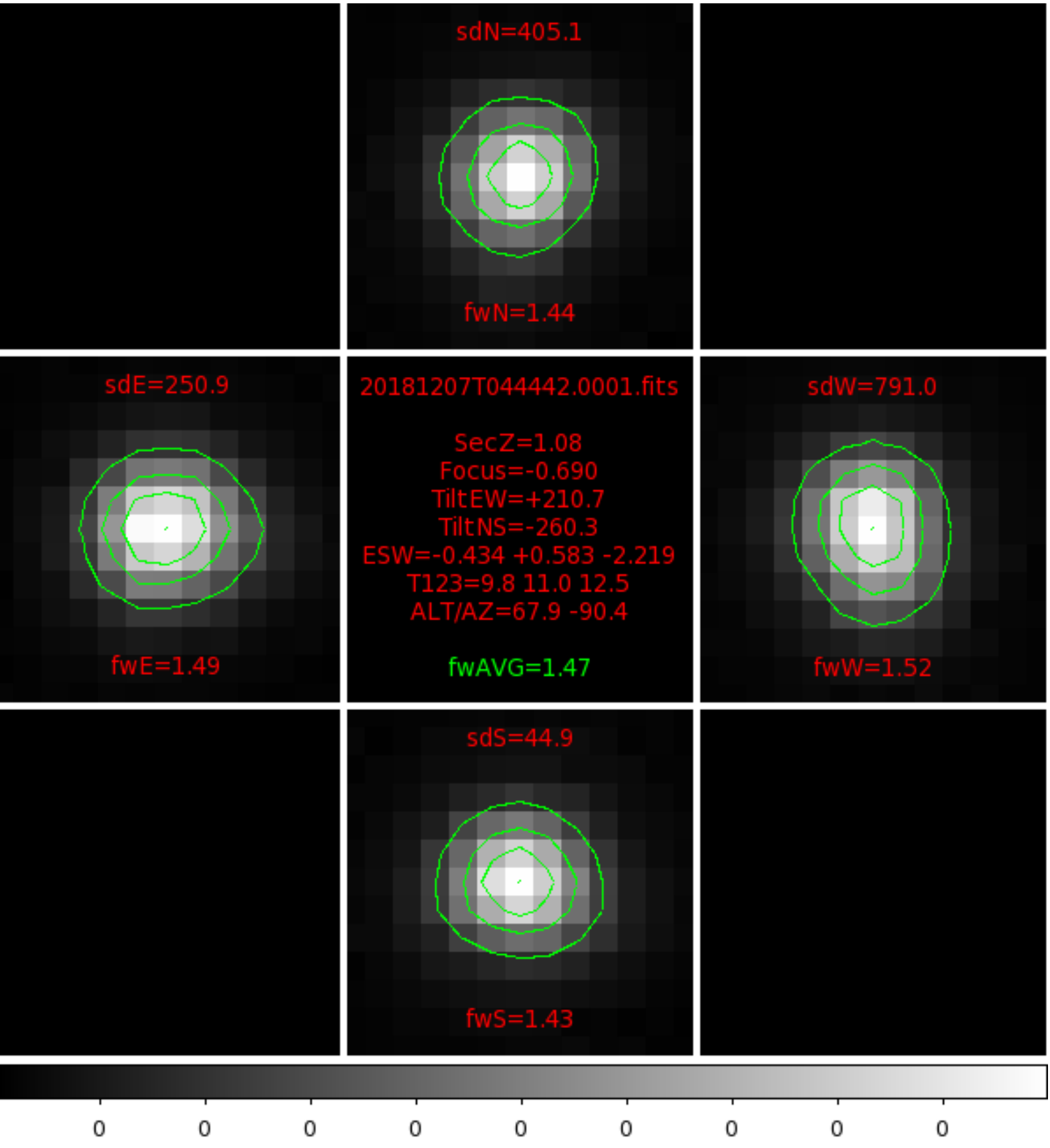
sdN=405.1
fwN=1.44
sdE=250.9
fwE=1.49
20181207T044442.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.8 11.0 12.5
ALT/AZ=67.9 -90.4
fwAVG=1.47
sdW=791.0
fwW=1.52
sdS=44.9
fwS=1.43
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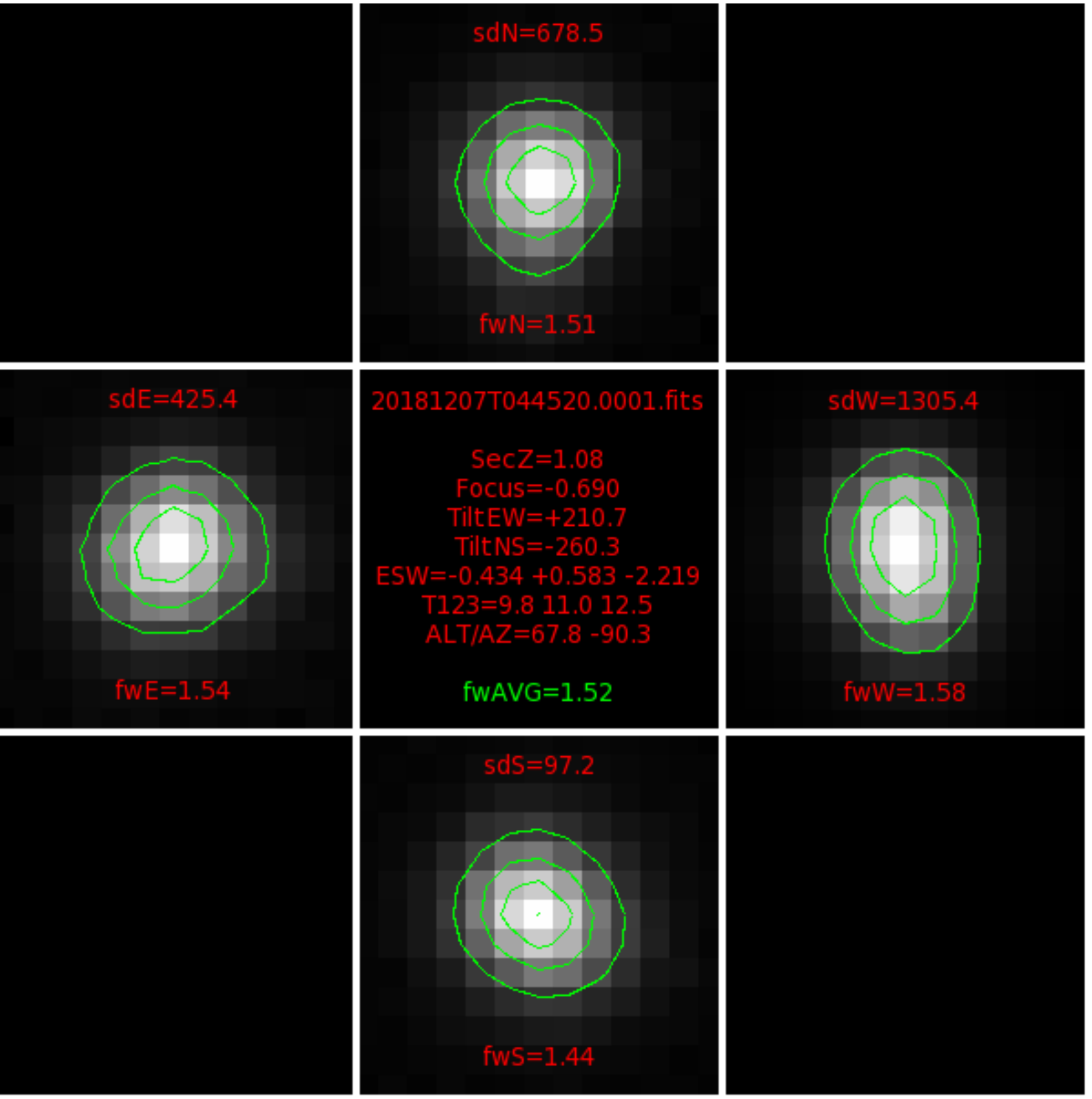
sdN=678.5
fwN=1.51
sdE=425.4
fwE=1.54
20181207T044520.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.8 11.0 12.5
ALT/AZ=67.8 -90.3
fwAVG=1.52
sdW=1305.4
fwW=1.58
sdS=97.2
fwS=1.44
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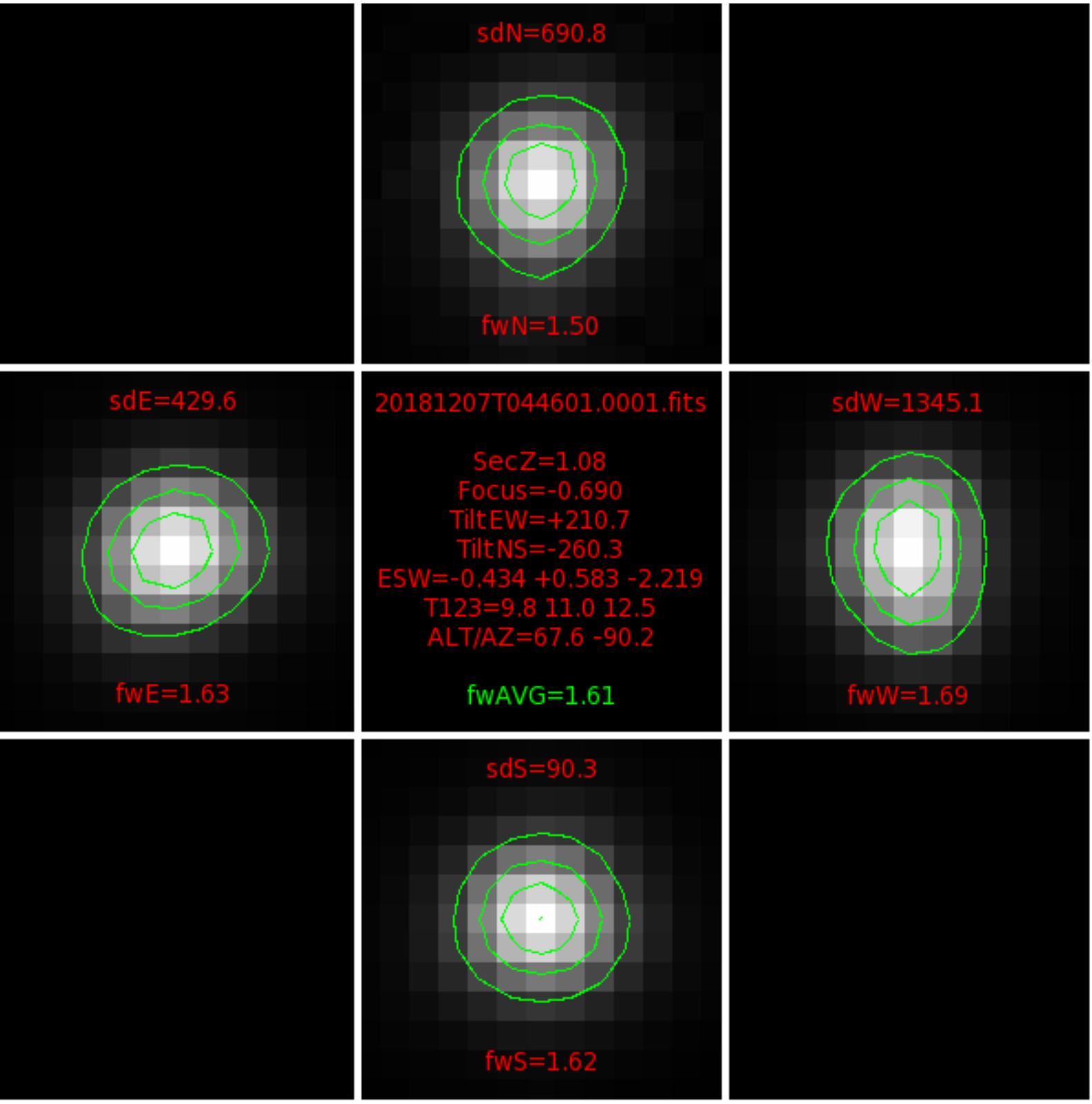
sdN=690.8
fwN=1.50
sdE=429.6
fwE=1.63
20181207T044601.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.8 11.0 12.5
ALT/AZ=67.6 -90.2
fwAVG=1.61
sdW=1345.1
fwW=1.69
sdS=90.3
fwS=1.62
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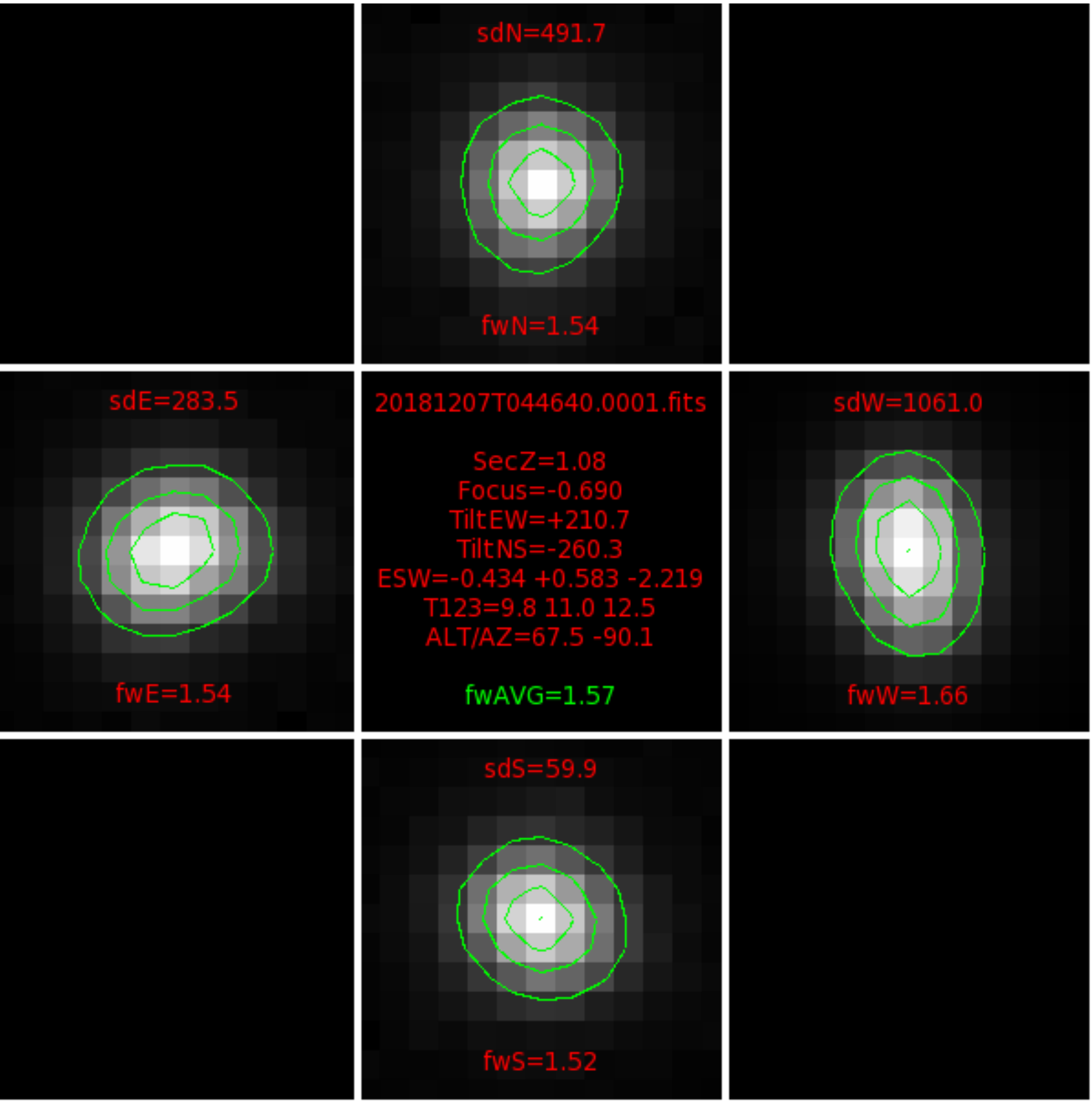
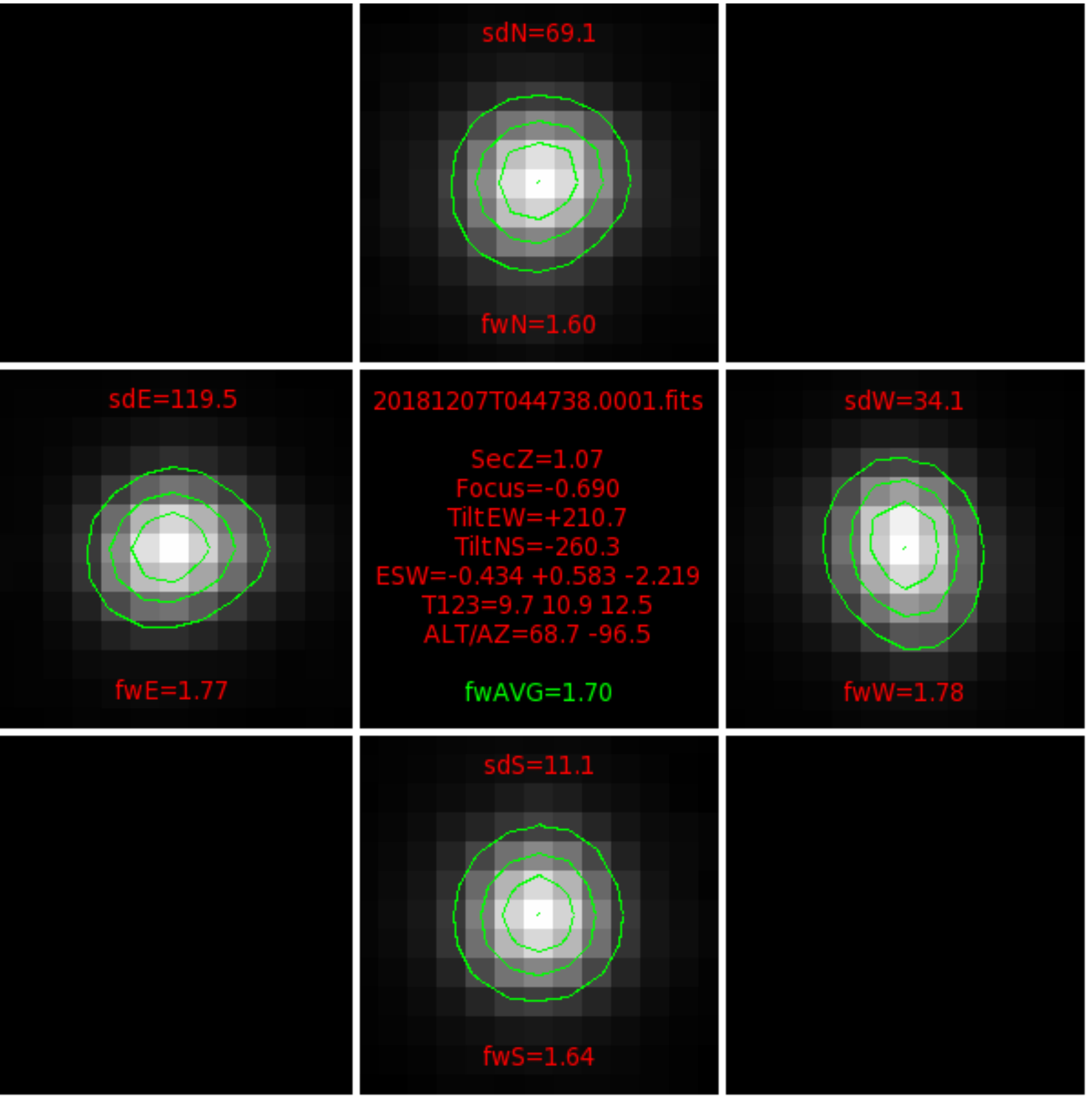
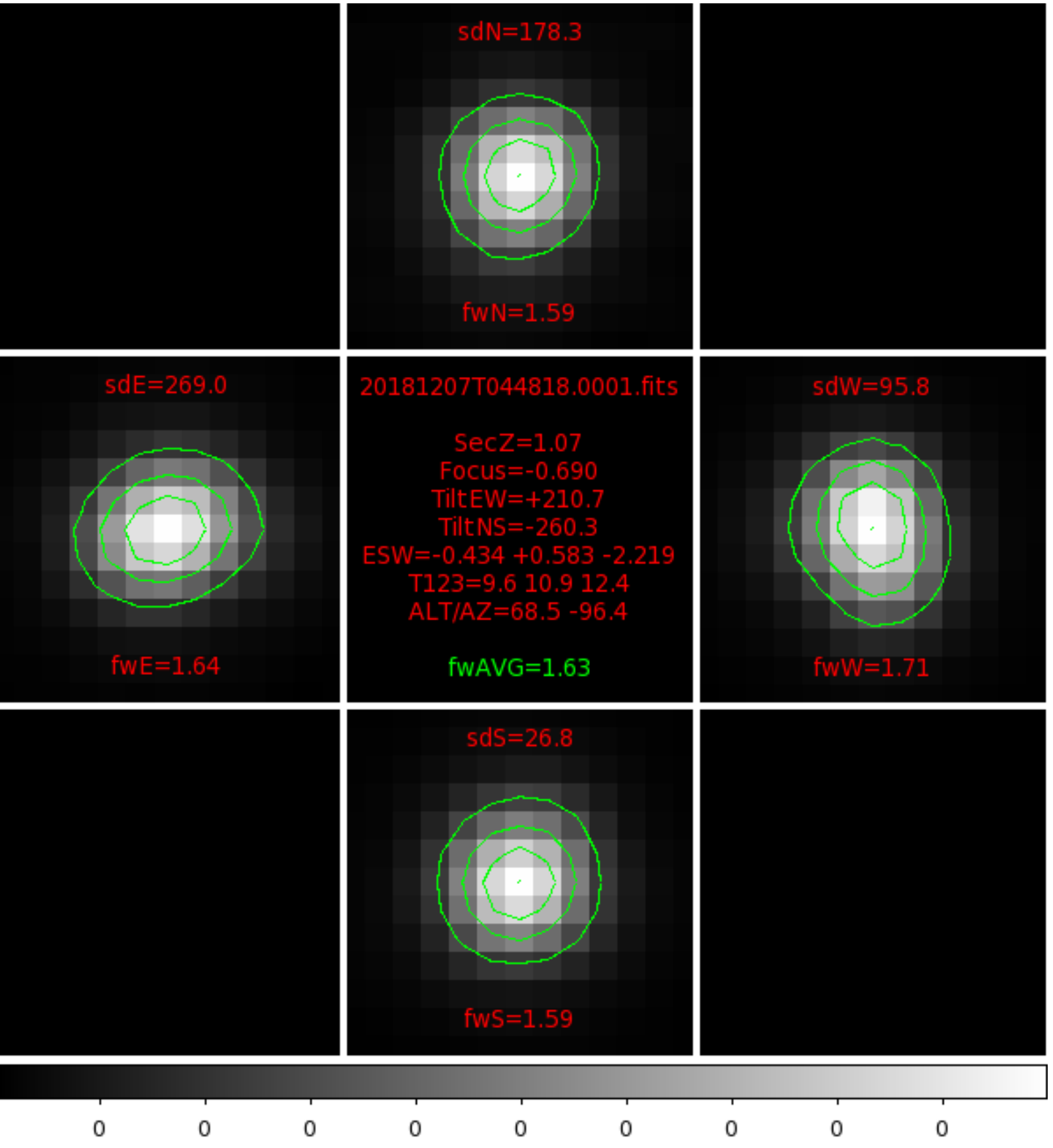

sdN=491.7
fwN=1.54
sdE=283.5
fwE=1.54
20181207T044640.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.8 11.0 12.5
ALT/AZ=67.5 -90.1
fwAVG=1.57
sdW=1061.0
fwW=1.66
sdS=59.9
fwS=1.52
0 0 0 0 0 0 0 0 0


sdN=69.1
fwN=1.60
sdE=119.5
fwE=1.77
20181207T044738.0001.fits
SecZ=1.07
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.7 10.9 12.5
ALT/AZ=68.7 -96.5
fwAVG=1.70
sdW=34.1
fwW=1.78
sdS=11.1
fwS=1.64
0 0 0 0 0 0 0 0 0


sdN=178.3
fwN=1.59
sdE=269.0
fwE=1.64
20181207T044818.0001.fits
SecZ=1.07
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.6 10.9 12.4
ALT/AZ=68.5 -96.4
fwAVG=1.63
sdW=95.8
fwW=1.71
sdS=26.8
fwS=1.59
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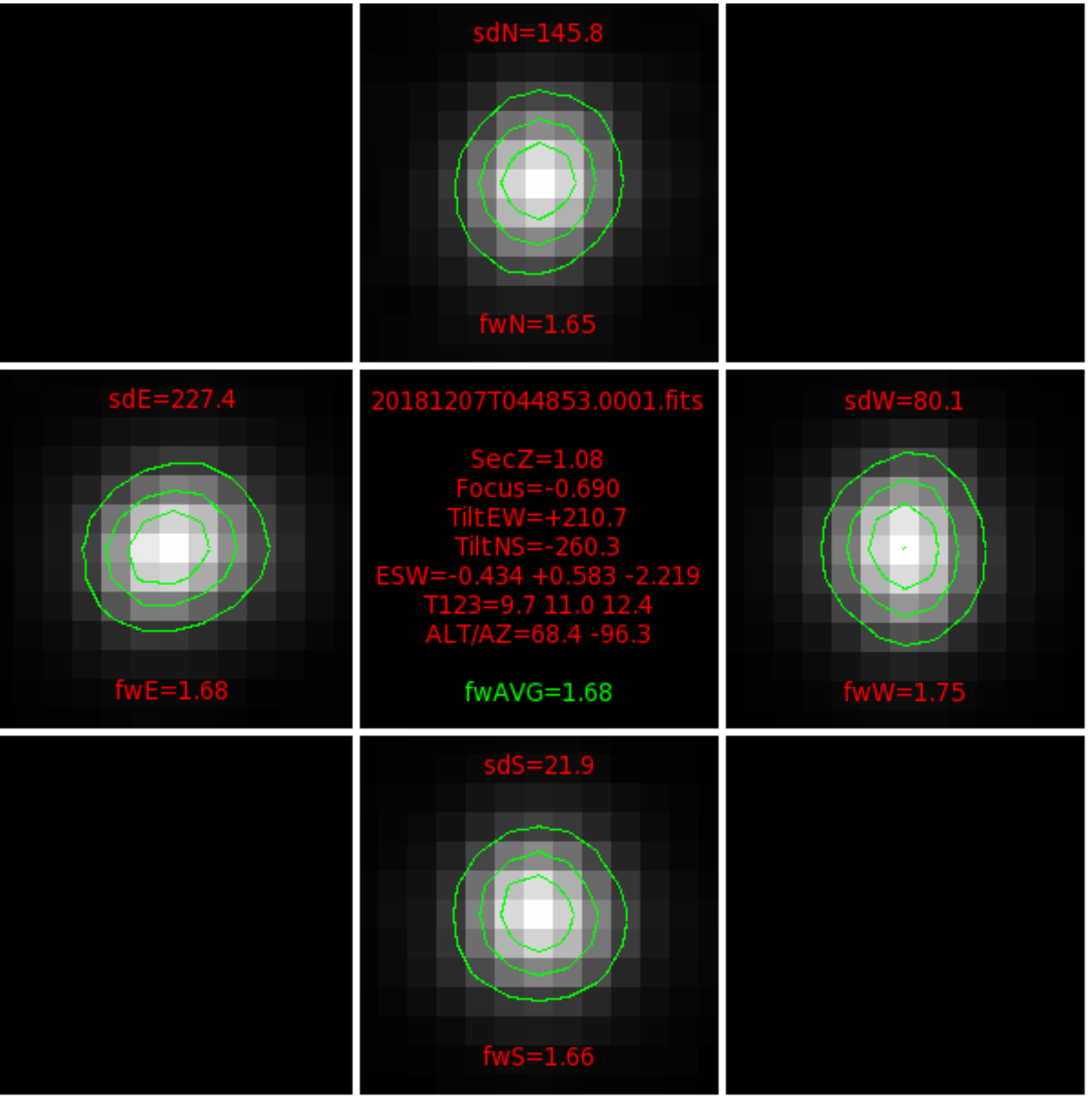
sdN=145.8
fwN=1.65
sdE=227.4
fwE=1.68
20181207T044853.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.7 11.0 12.4
ALT/AZ=68.4 -96.3
fwAVG=1.68
sdW=80.1
fwW=1.75
sdS=21.9
fwS=1.66
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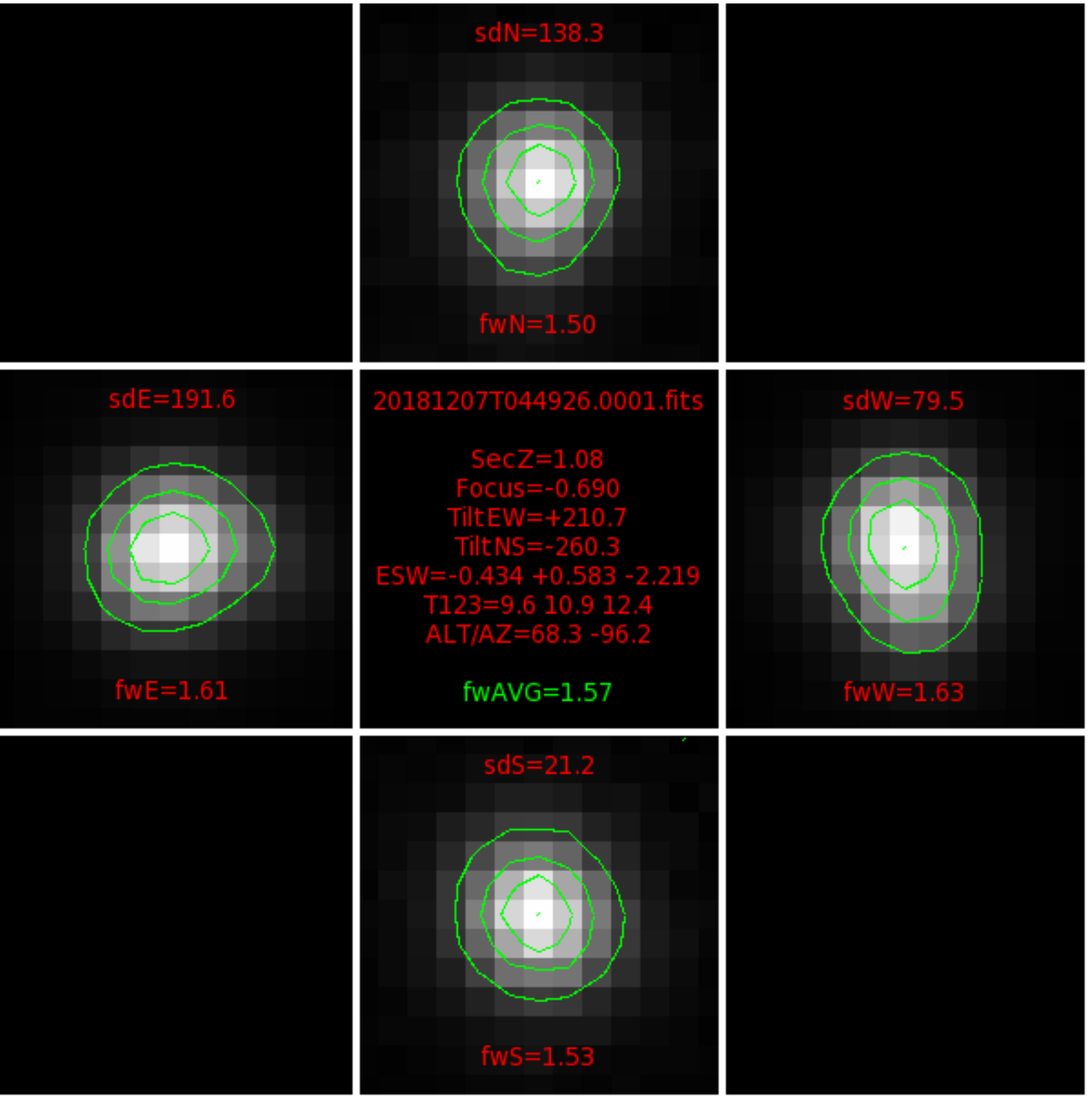
sdN=138.3
fwN=1.50
sdE=191.6
fwE=1.61
20181207T044926.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.6 10.9 12.4
ALT/AZ=68.3 -96.2
fwAVG=1.57
sdW=79.5
fwW=1.63
sdS=21.2
fwS=1.53
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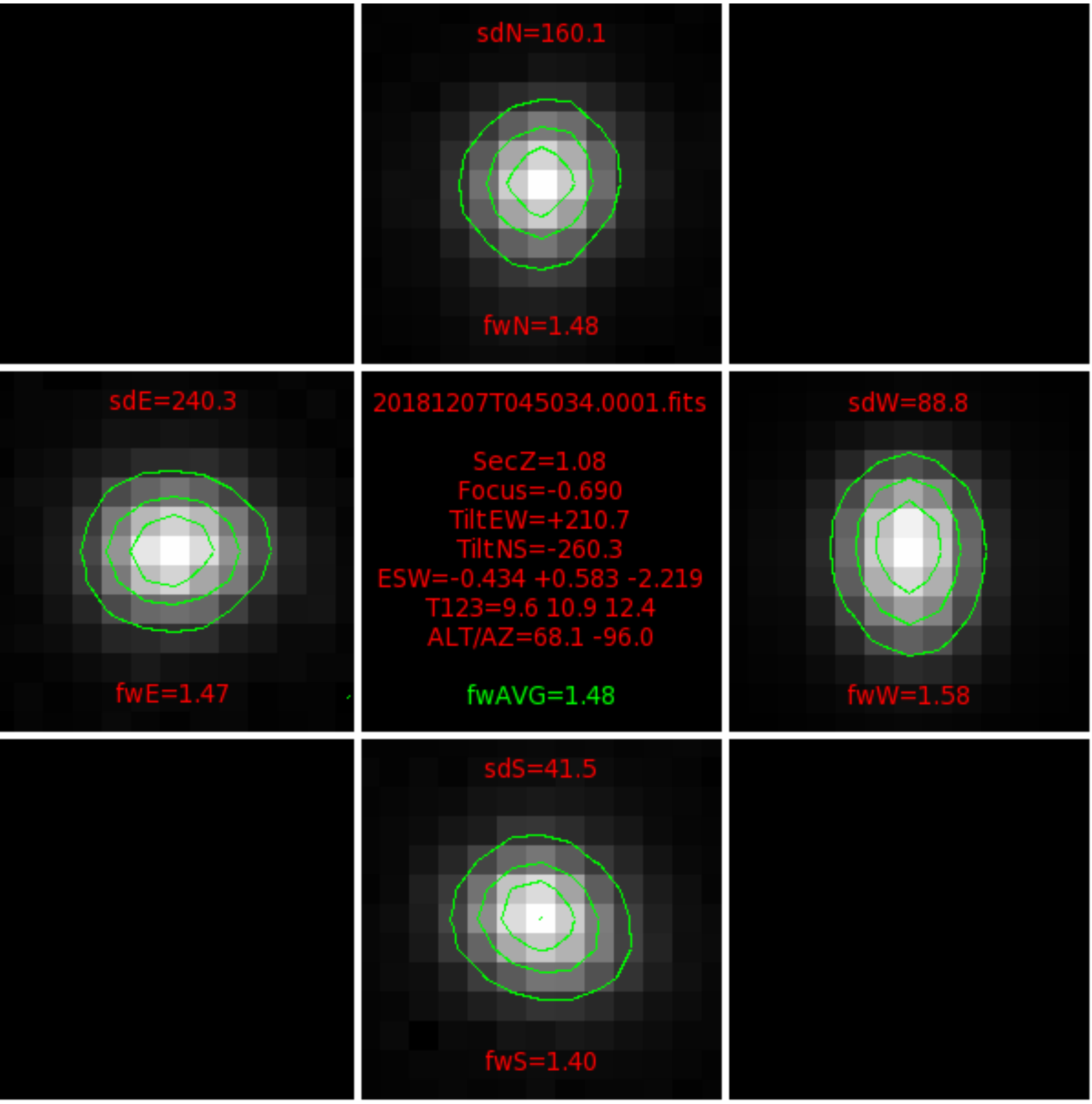
sdN=160.1
fwN=1.48
sdE=240.3
fwE=1.47
20181207T045034.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.6 10.9 12.4
ALT/AZ=68.1 -96.0
fwAVG=1.48
sdW=88.8
fwW=1.58
sdS=41.5
fwS=1.40
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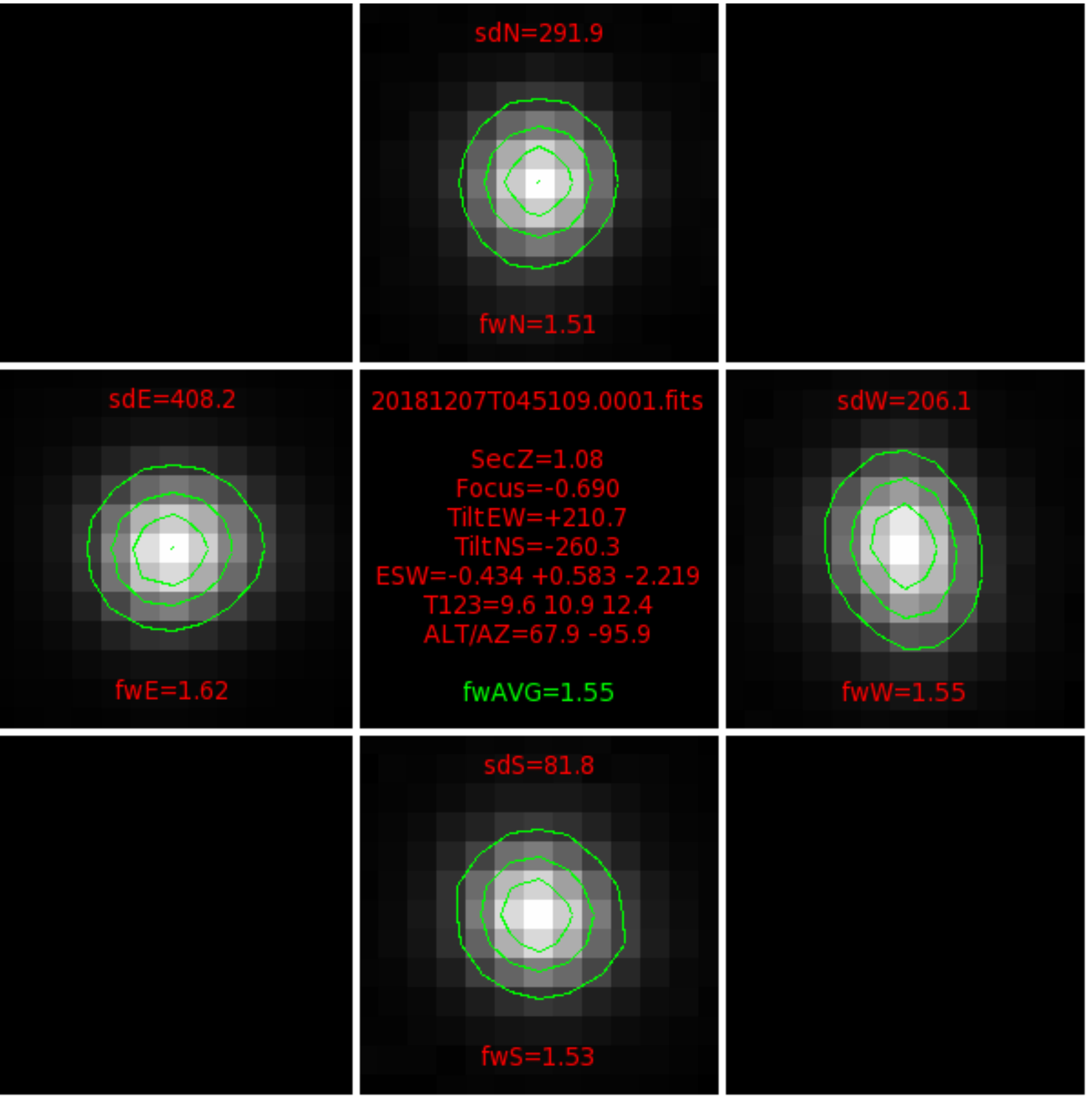
sdN=291.9
fwN=1.51
sdE=408.2
fwE=1.62
20181207T045109.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.6 10.9 12.4
ALT/AZ=67.9 -95.9
fwAVG=1.55
sdW=206.1
fwW=1.55
sdS=81.8
fwS=1.53
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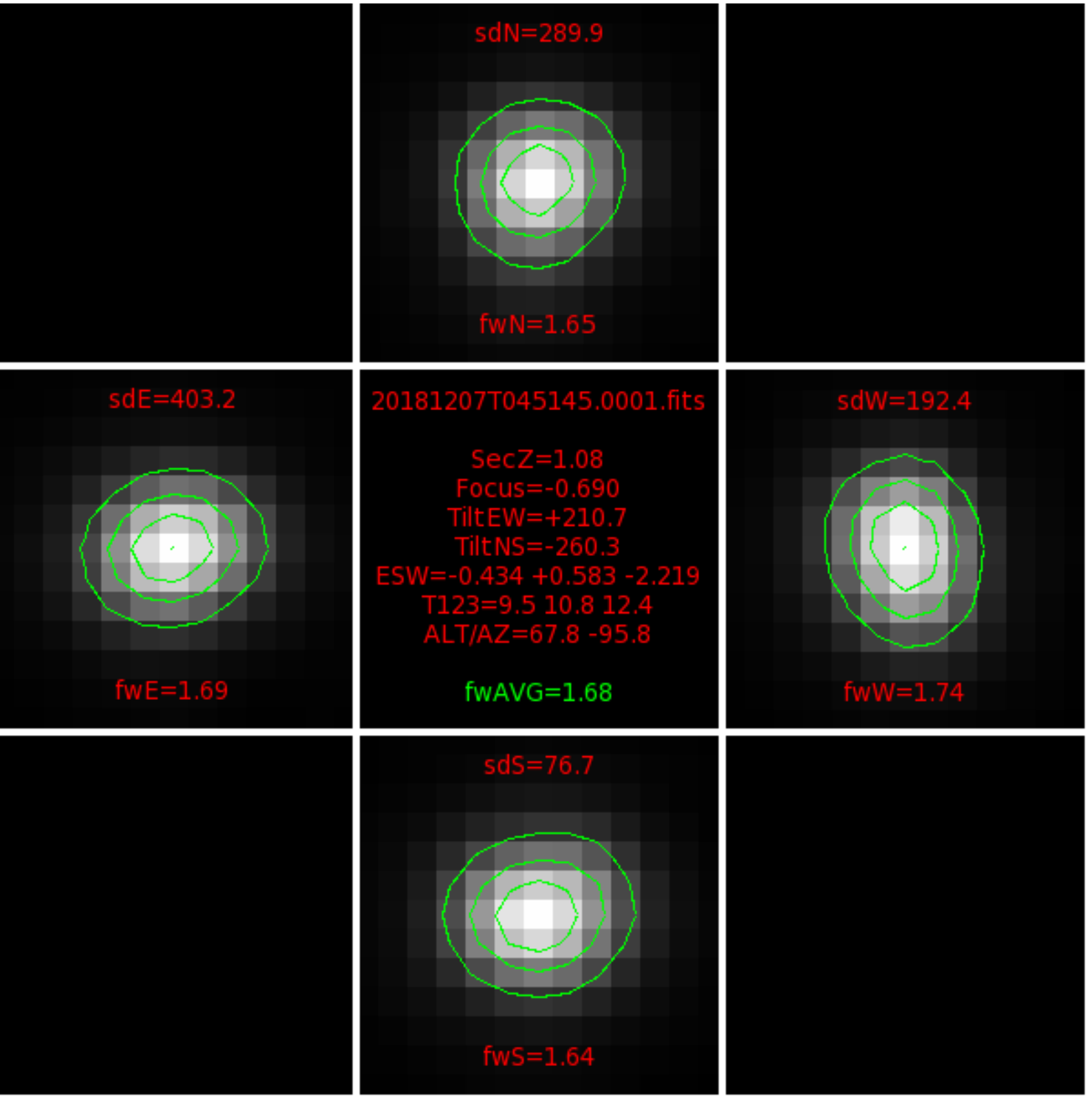
sdN=289.9
fwN=1.65
sdE=403.2
fwE=1.69
20181207T045145.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.5 10.8 12.4
ALT/AZ=67.8 -95.8
fwAVG=1.68
sdW=192.4
fwW=1.74
sdS=76.7
fwS=1.64
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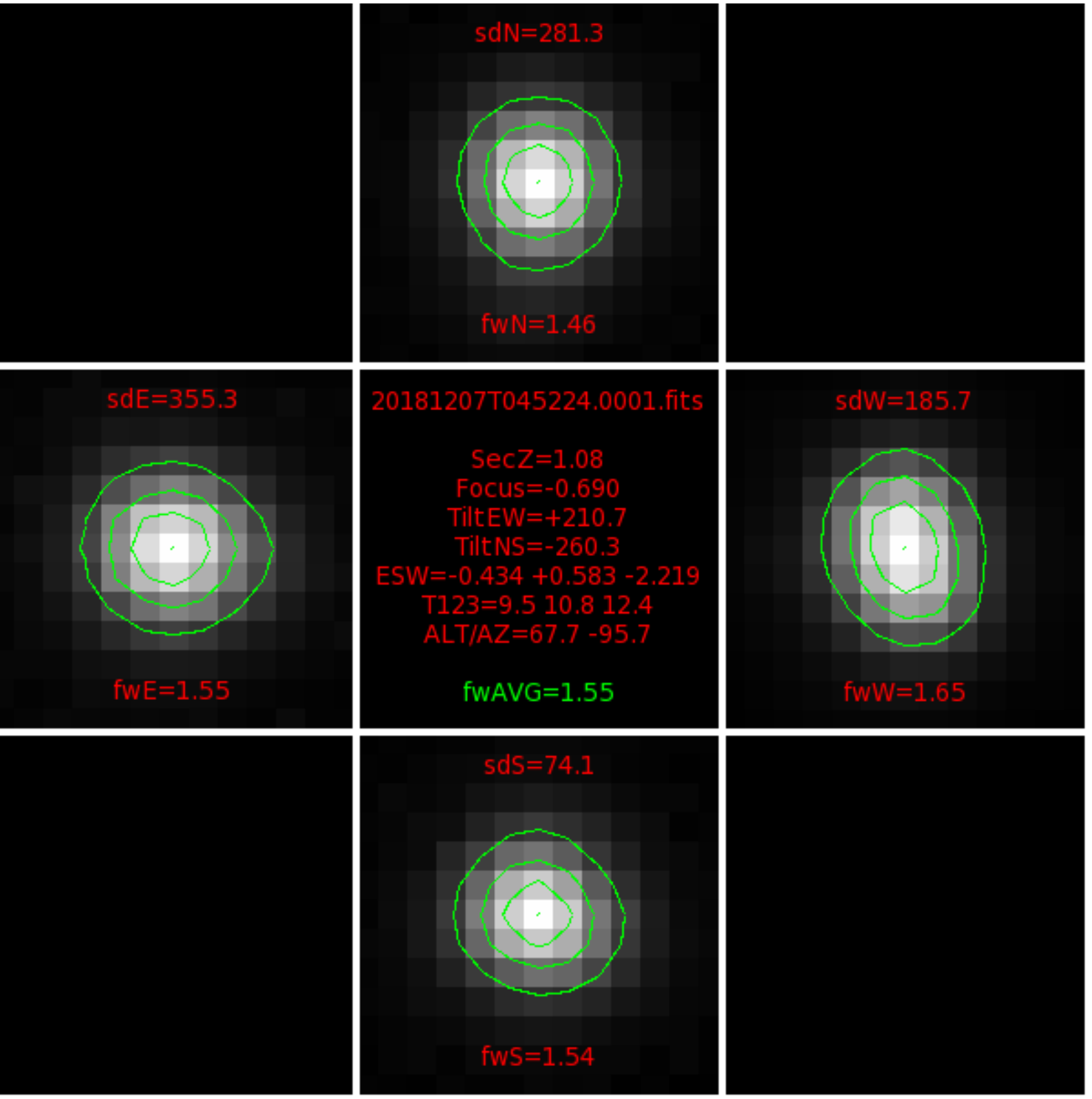
sdN=281.3
fwN=1.46
sdE=355.3
fwE=1.55
20181207T045224.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.5 10.8 12.4
ALT/AZ=67.7 -95.7
fwAVG=1.55
sdW=185.7
fwW=1.65
sdS=74.1
fwS=1.54
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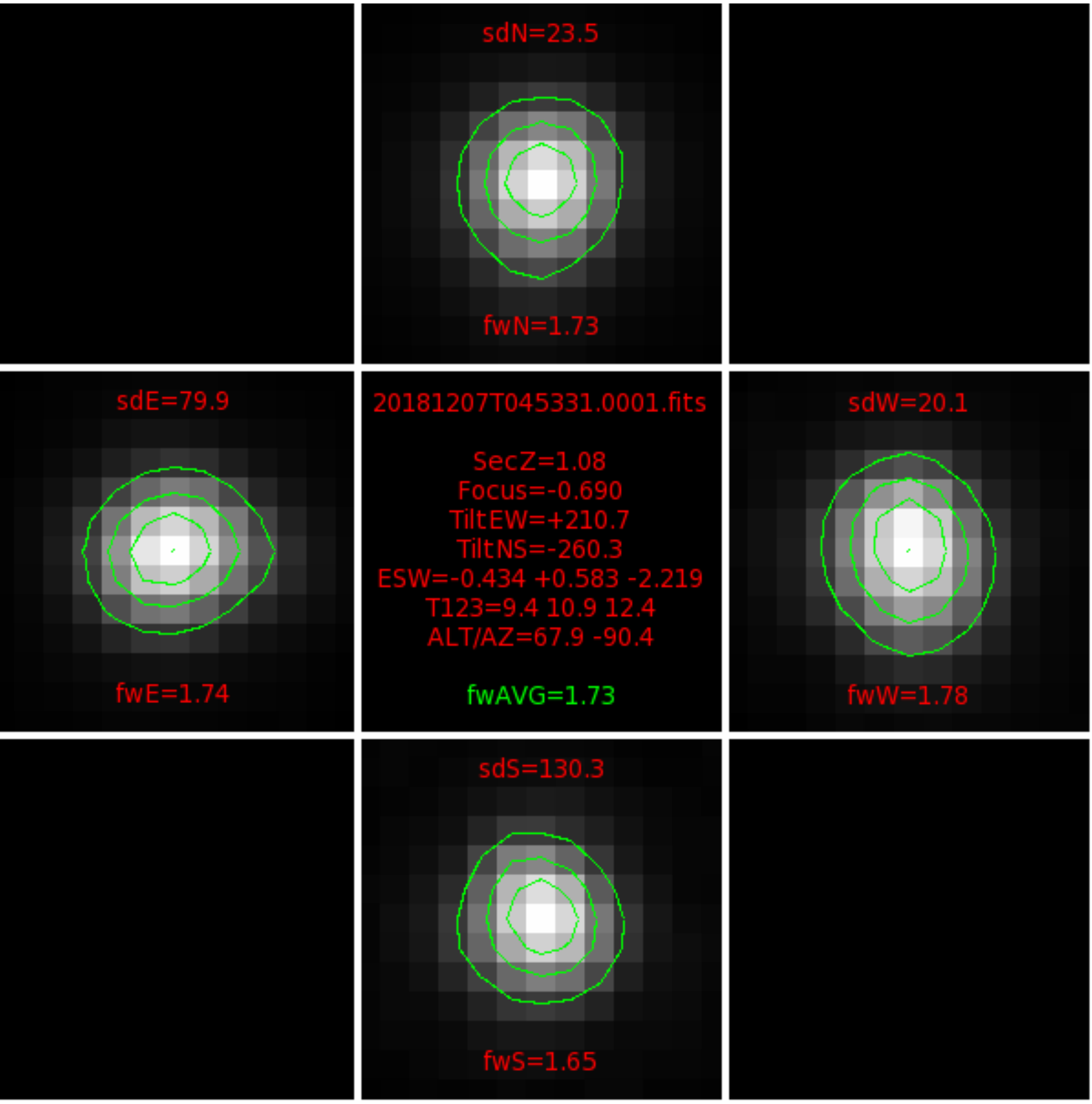
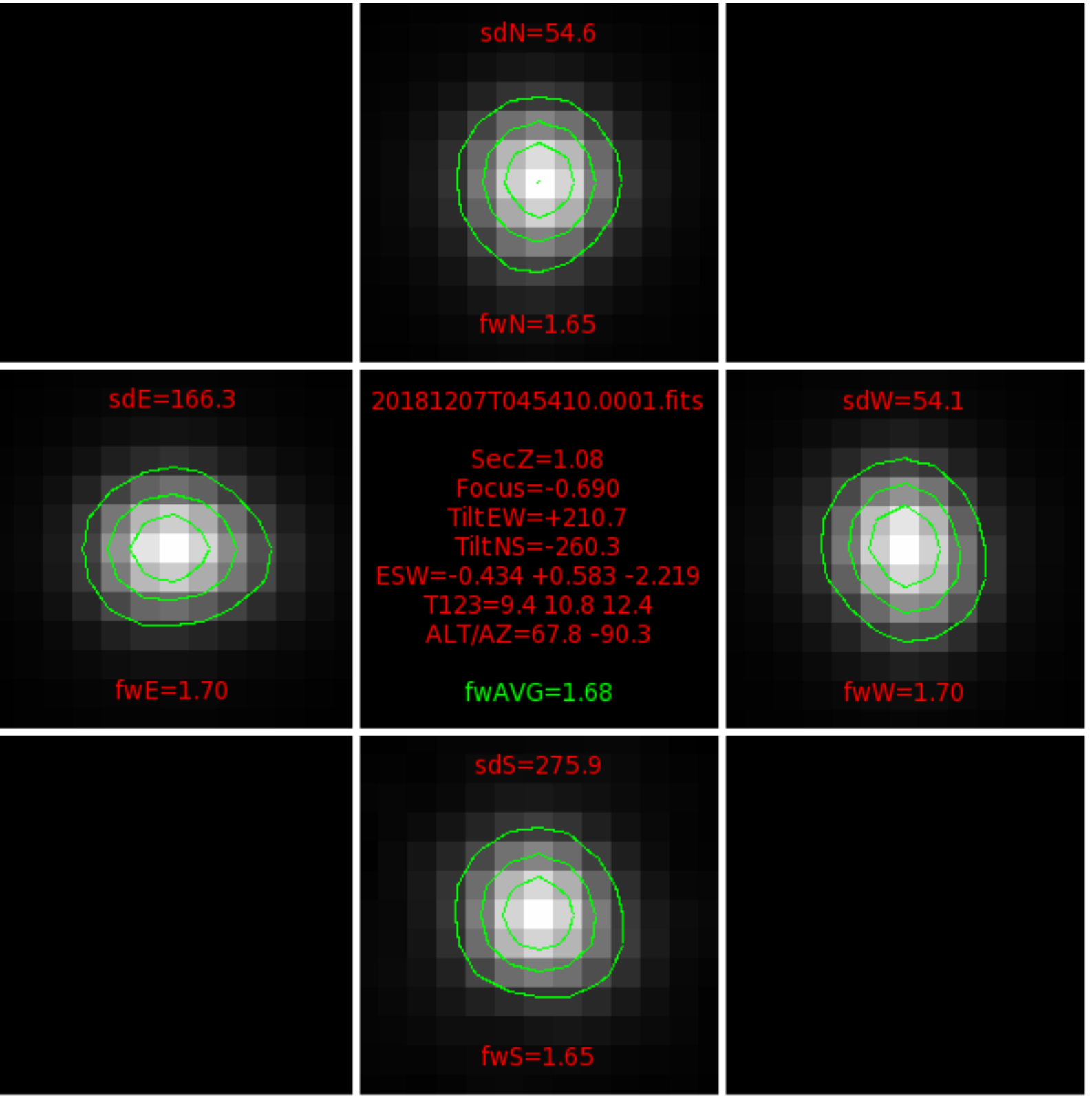

sdN=23.5
fwN=1.73
sdE=79.9
fwE=1.74
20181207T045331.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.4 10.9 12.4
ALT/AZ=67.9 -90.4
fwAVG=1.73
sdW=20.1
fwW=1.78
sdS=130.3
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=54.6
fwN=1.65
sdE=166.3
fwE=1.70
20181207T045410.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.4 10.8 12.4
ALT/AZ=67.8 -90.3
fwAVG=1.68
sdW=54.1
fwW=1.70
sdS=275.9
fwS=1.65
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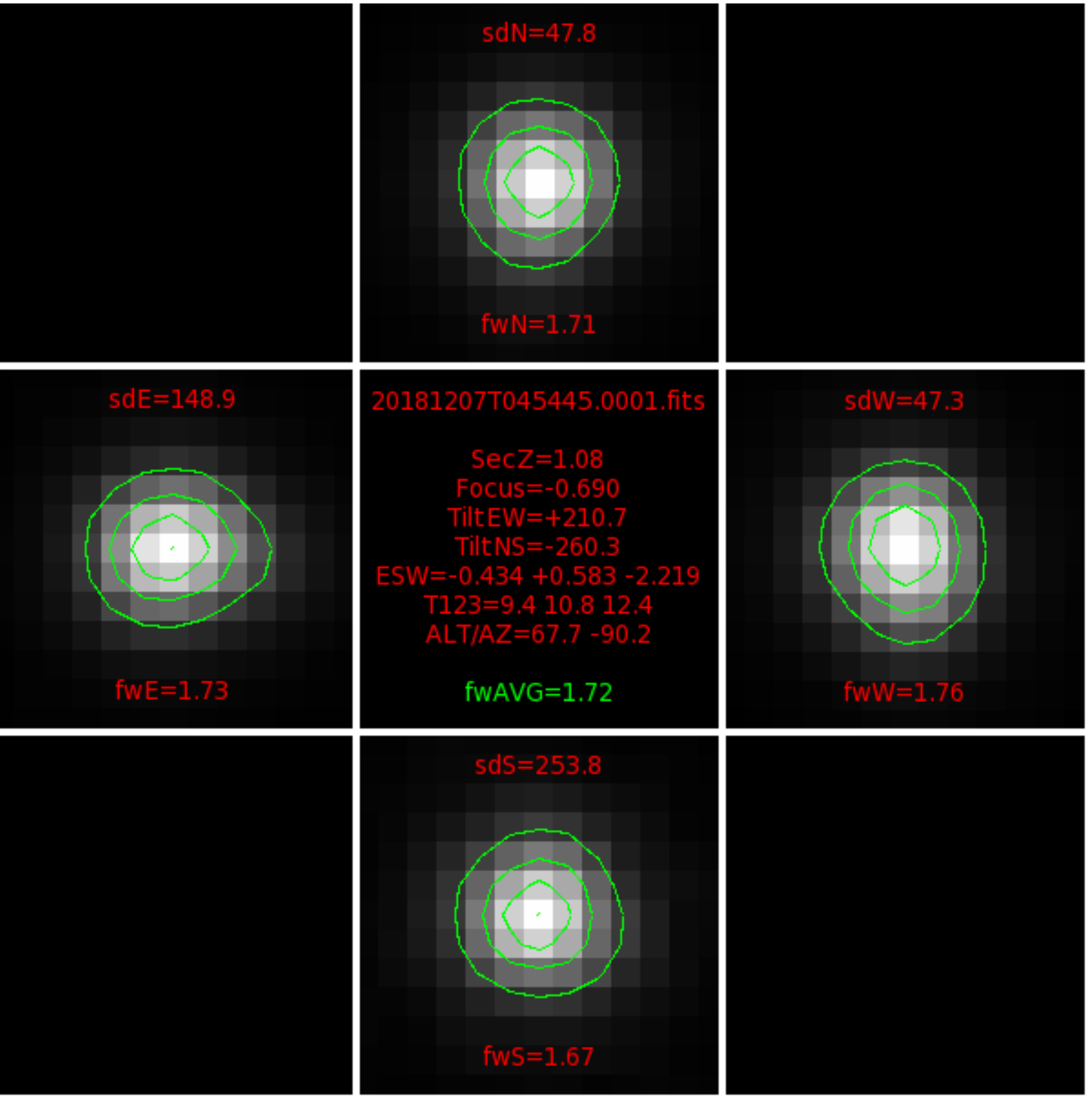
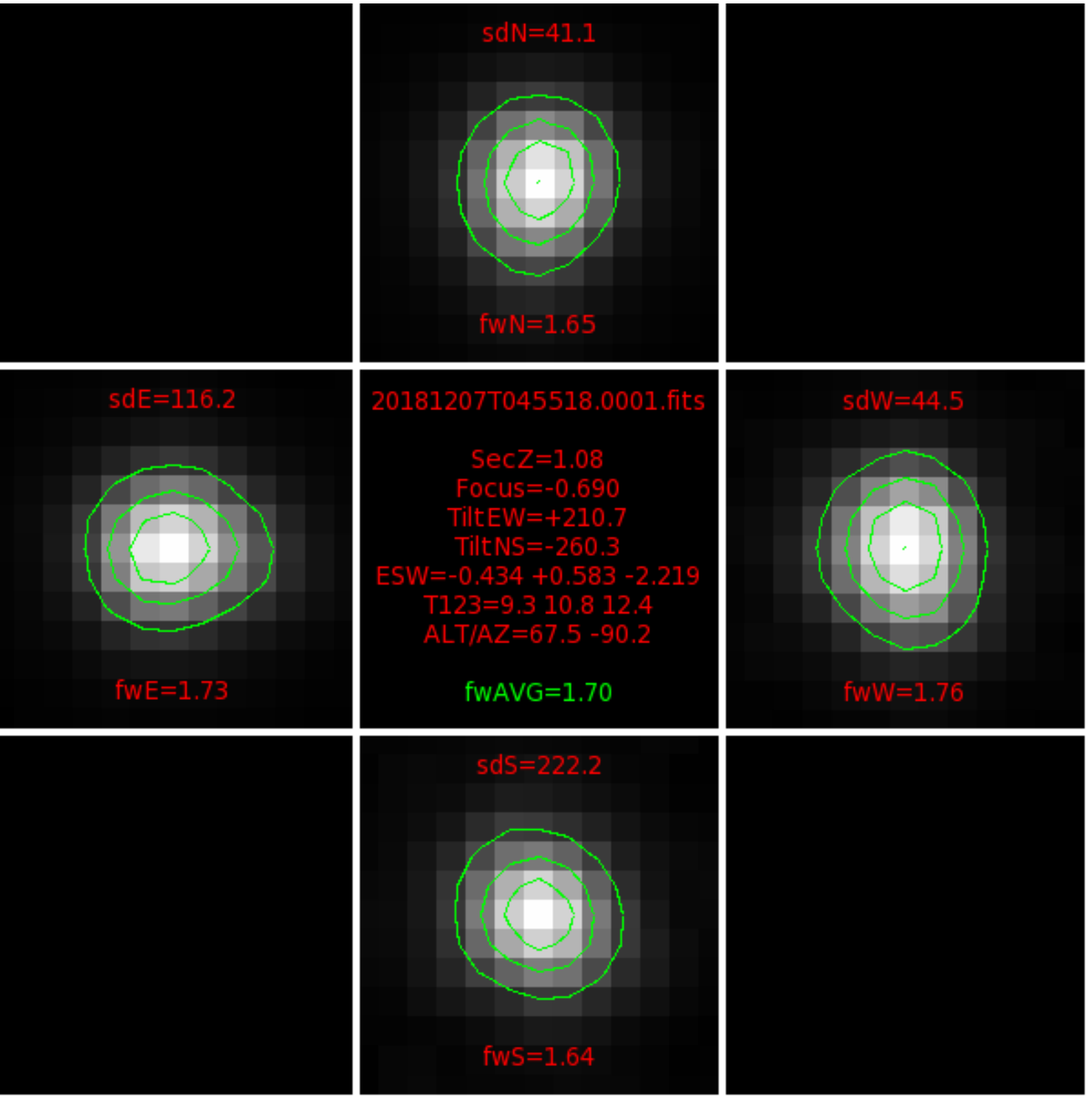

sdN=47.8
fwN=1.71
sdE=148.9
fwE=1.73
20181207T045445.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.4 10.8 12.4
ALT/AZ=67.7 -90.2
fwAVG=1.72
sdW=47.3
fwW=1.76
sdS=253.8
fwS=1.67
0 0 0 0 0 0 0 0 0


sdN=41.1
fwN=1.65
sdE=116.2
fwE=1.73
20181207T045518.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.3 10.8 12.4
ALT/AZ=67.5 -90.2
fwAVG=1.70
sdW=44.5
fwW=1.76
sdS=222.2
fwS=1.64
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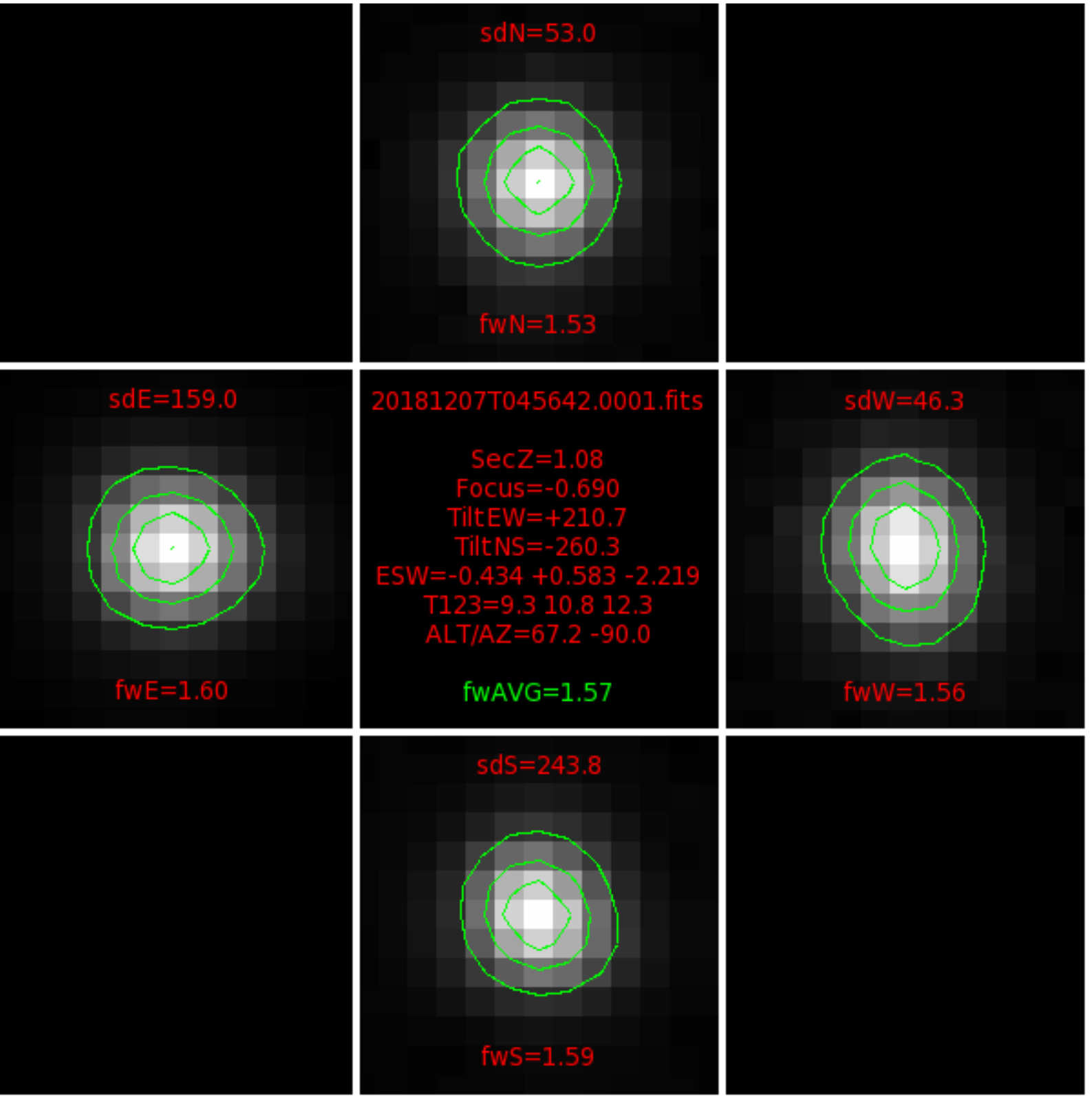
sdN=53.0
fwN=1.53
sdE=159.0
fwE=1.60
20181207T045642.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.3 10.8 12.3
ALT/AZ=67.2 -90.0
fwAVG=1.57
sdW=46.3
fwW=1.56
sdS=243.8
fwS=1.59
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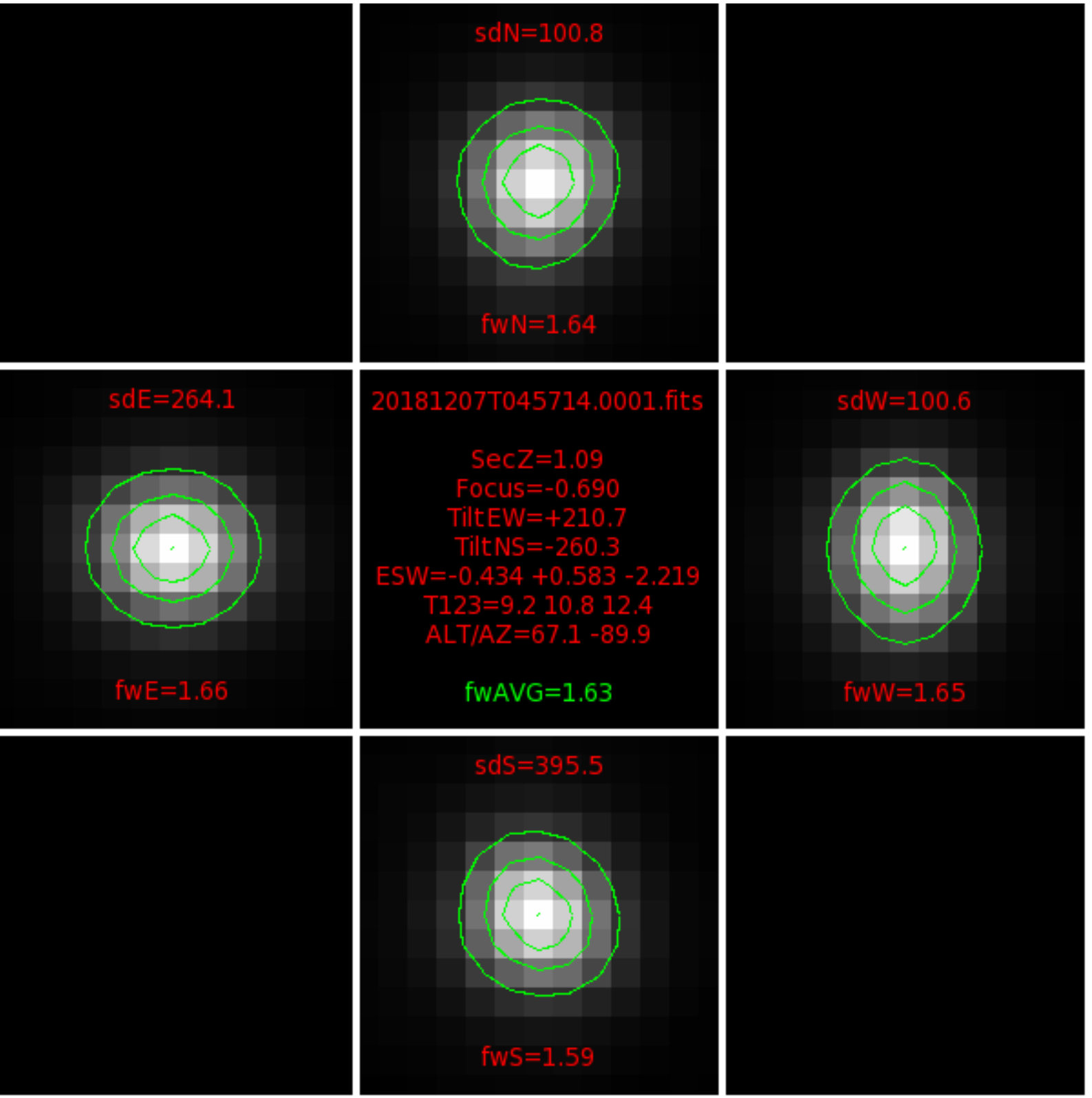
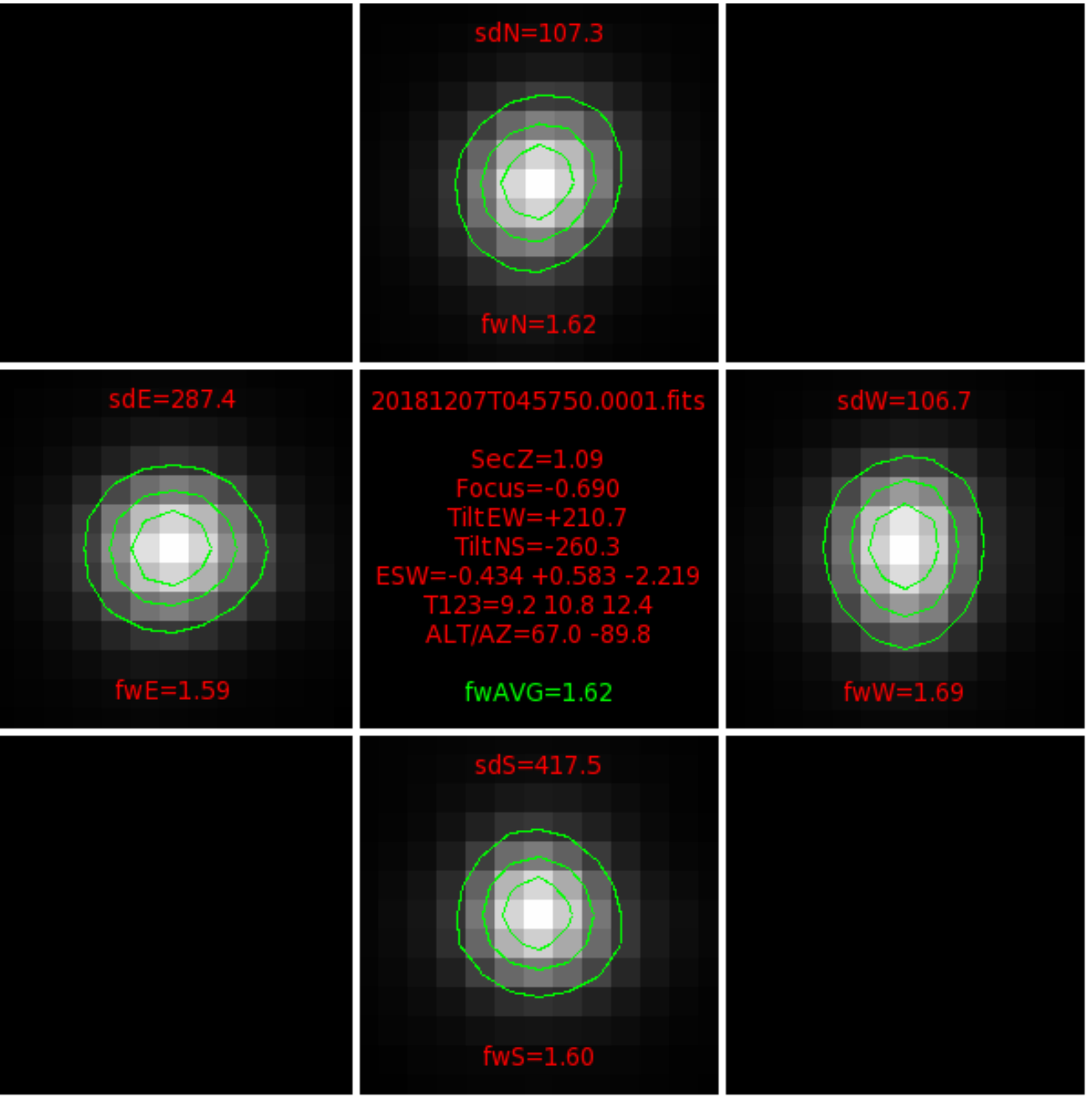

sdN=100.8
fwN=1.64
sdE=264.1
fwE=1.66
20181207T045714.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.2 10.8 12.4
ALT/AZ=67.1 -89.9
fwAVG=1.63
sdW=100.6
fwW=1.65
sdS=395.5
fwS=1.59
0 0 0 0 0 0 0 0 0


sdN=107.3
fwN=1.62
sdE=287.4
fwE=1.59
20181207T045750.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.2 10.8 12.4
ALT/AZ=67.0 -89.8
fwAVG=1.62
sdW=106.7
fwW=1.69
sdS=417.5
fwS=1.60
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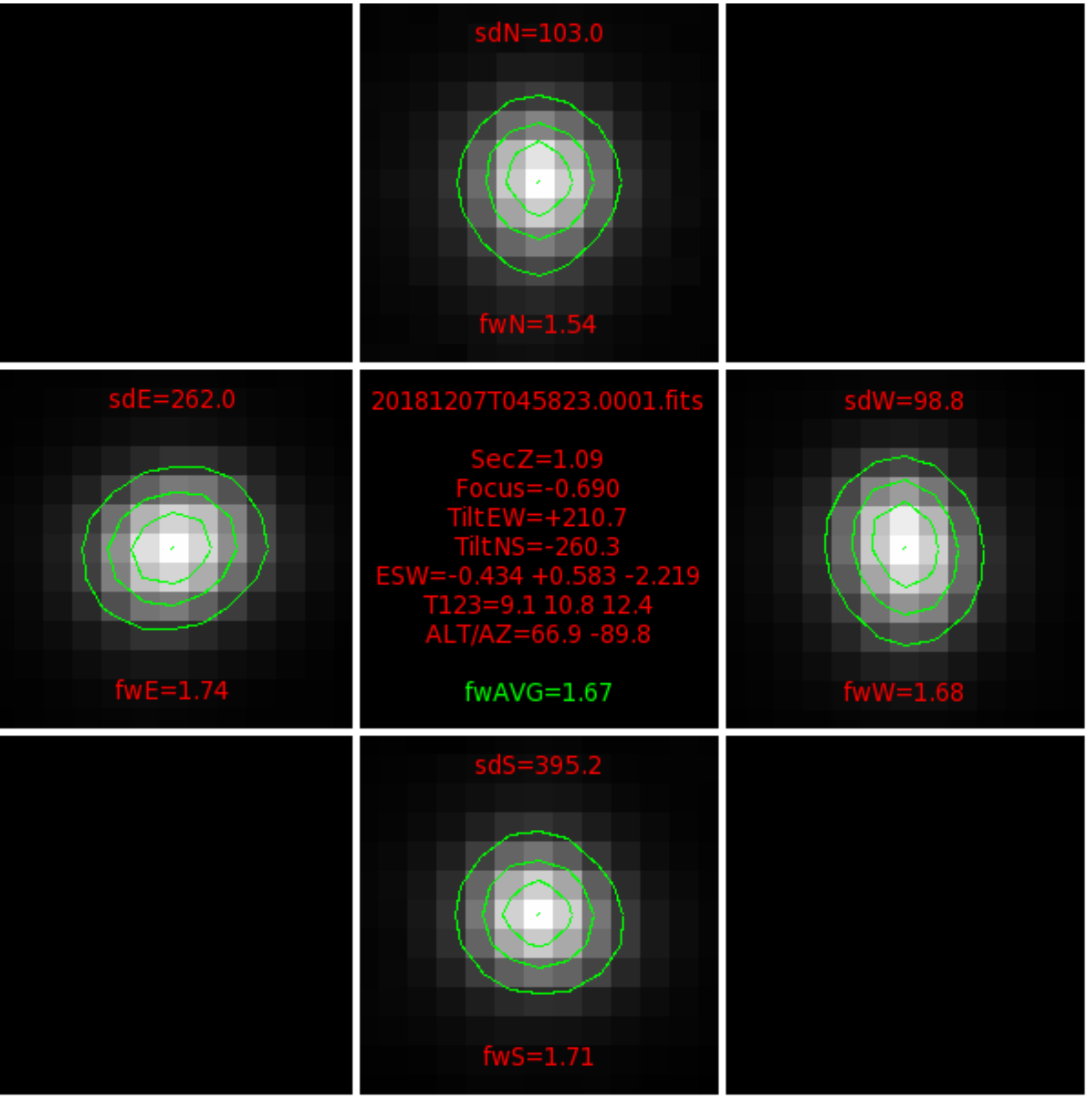
sdN=103.0
fwN=1.54
sdE=262.0
fwE=1.74
20181207T045823.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.1 10.8 12.4
ALT/AZ=66.9 -89.8
fwAVG=1.67
sdW=98.8
fwW=1.68
sdS=395.2
fwS=1.71
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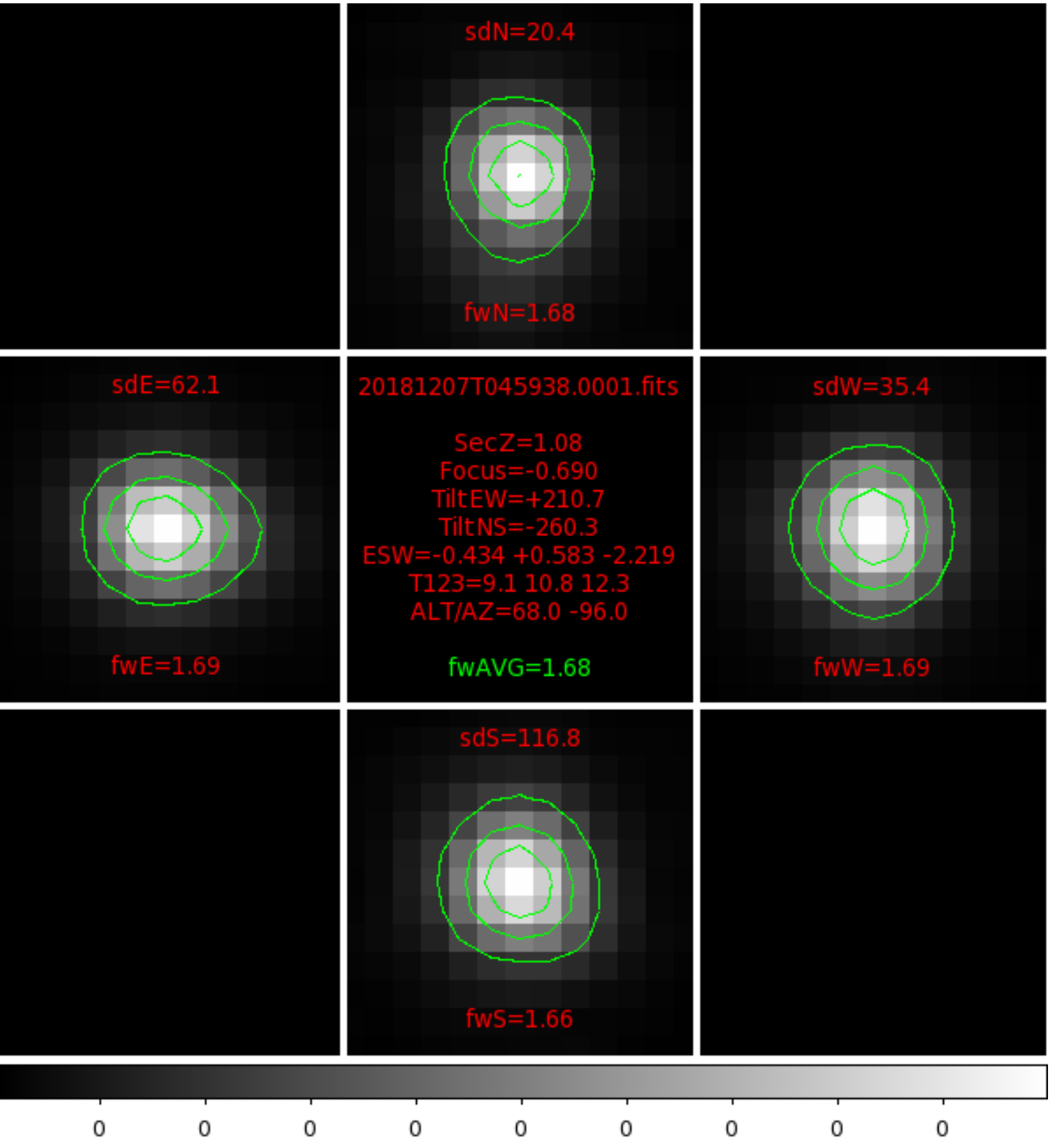
sdN=20.4
fwN=1.68
sdE=62.1
fwE=1.69
20181207T045938.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.1 10.8 12.3
ALT/AZ=68.0 -96.0
fwAVG=1.68
sdW=35.4
fwW=1.69
sdS=116.8
fwS=1.66
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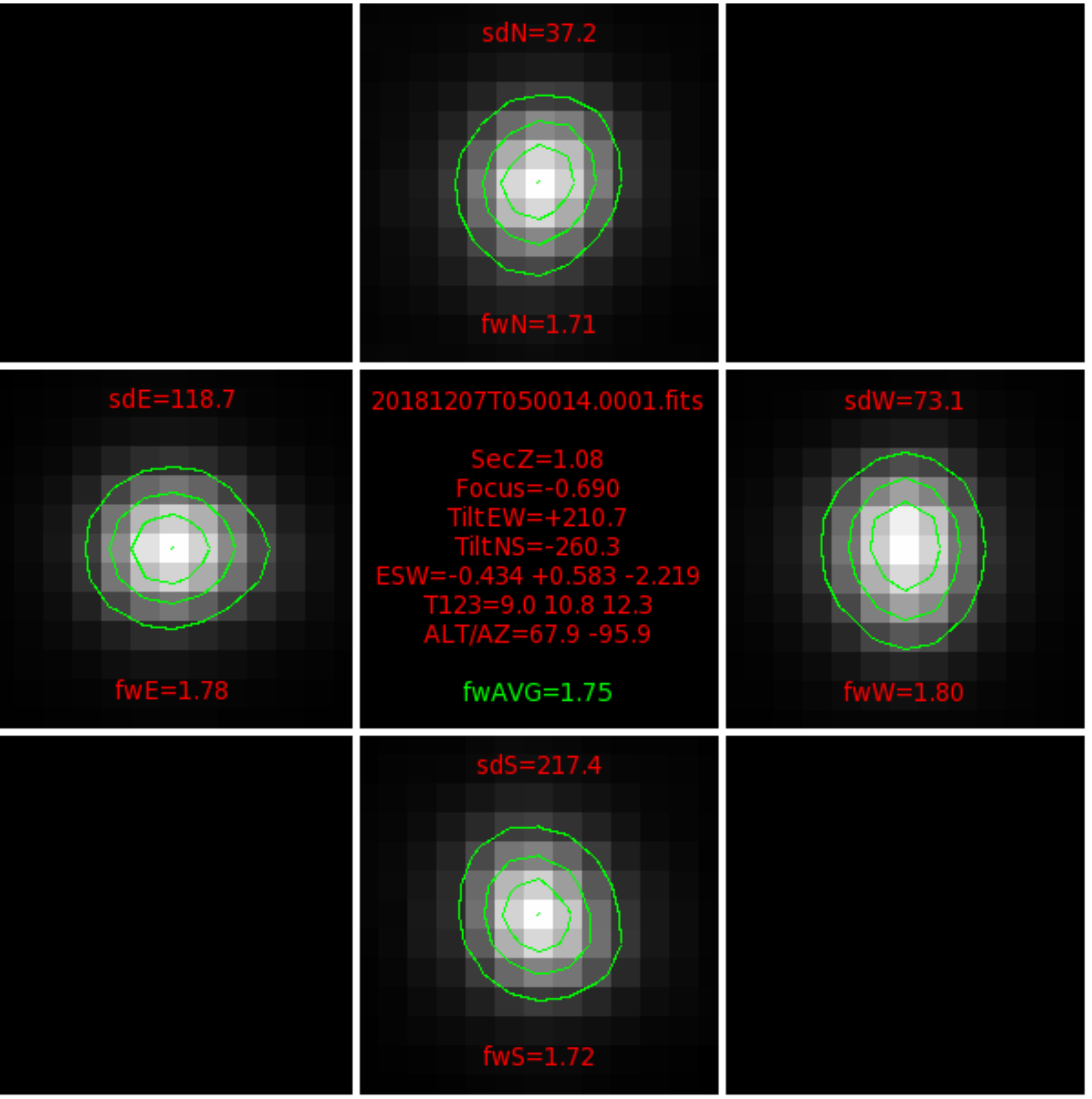
sdN=37.2
fwN=1.71
sdE=118.7
fwE=1.78
20181207T050014.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.0 10.8 12.3
ALT/AZ=67.9 -95.9
fwAVG=1.75
sdW=73.1
fwW=1.80
sdS=217.4
fwS=1.72
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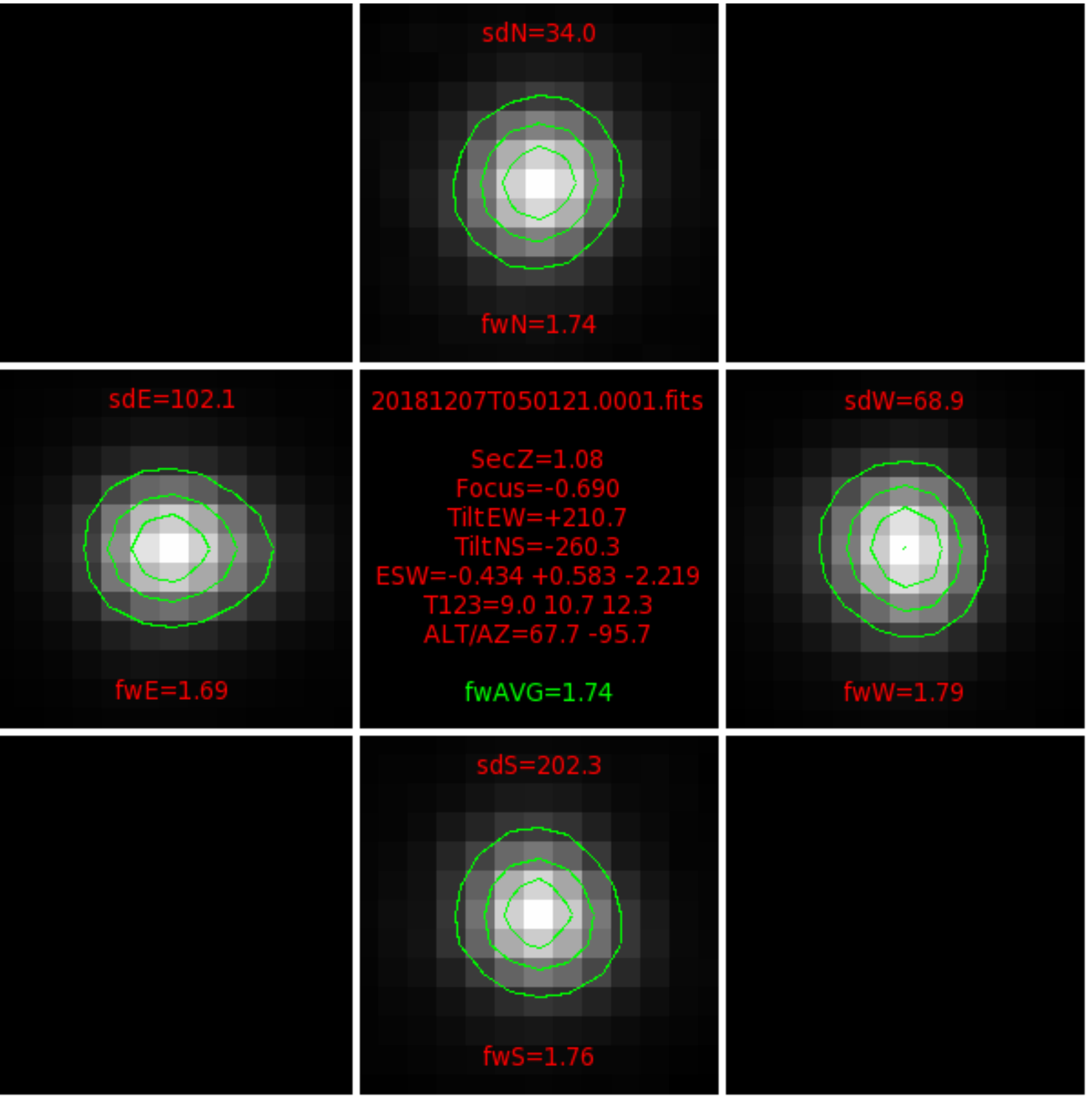
sdN=34.0
fwN=1.74
sdE=102.1
fwE=1.69
20181207T050121.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=9.0 10.7 12.3
ALT/AZ=67.7 -95.7
fwAVG=1.74
sdW=68.9
fwW=1.79
sdS=202.3
fwS=1.76
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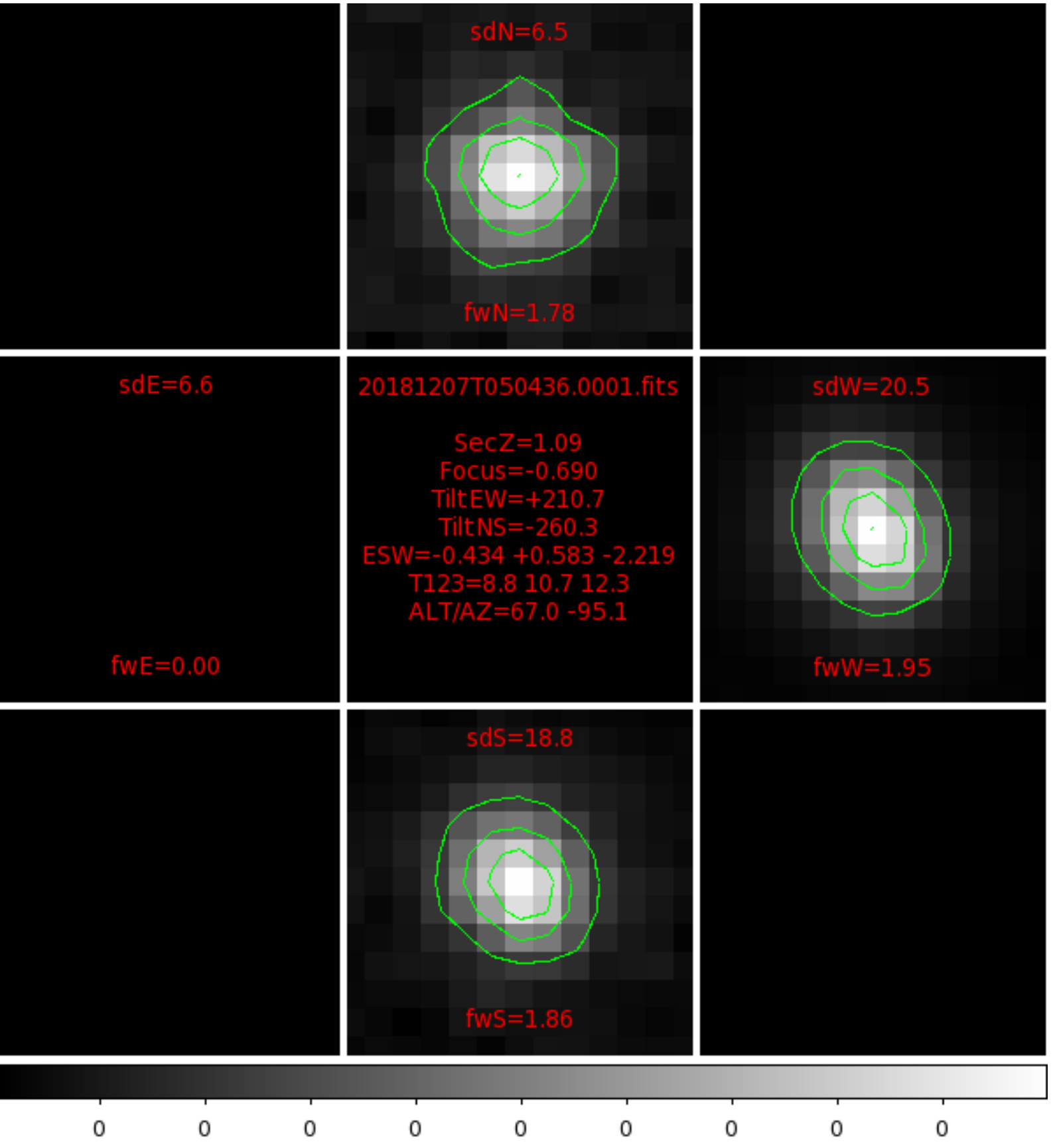
sdN=6.5
fwN=1.78
sdE=6.6
fwE=0.00
20181207T050436.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.8 10.7 12.3
ALT/AZ=67.0 -95.1
sdW=20.5
fwW=1.95
sdS=18.8
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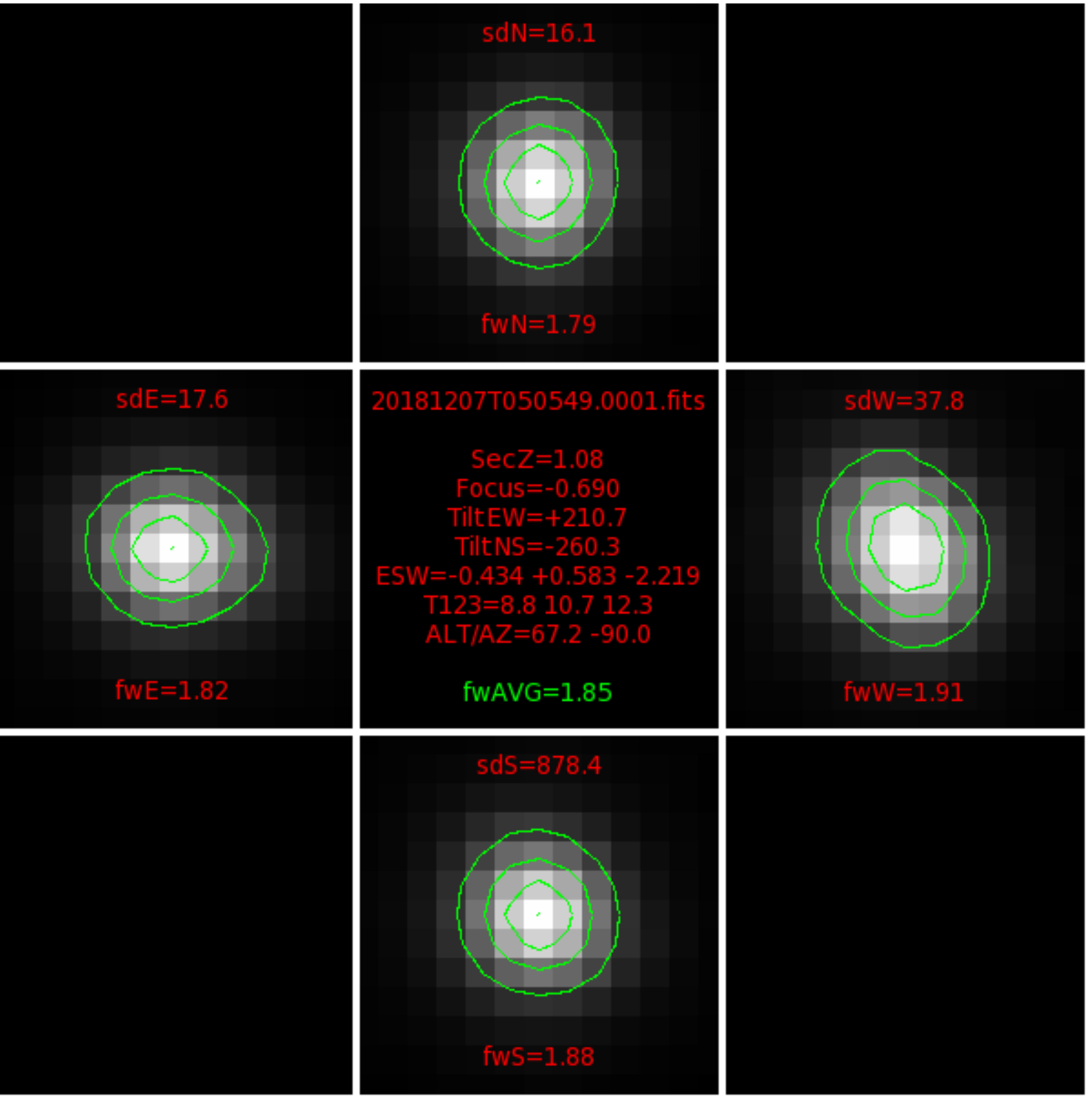
0 0 0 0 0 0 0 0 0


sdN=16.1
fwN=1.79
sdE=17.6
fwE=1.82
20181207T050549.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.8 10.7 12.3
ALT/AZ=67.2 -90.0
fwAVG=1.85
sdW=37.8
fwW=1.91
sdS=878.4
fwS=1.88
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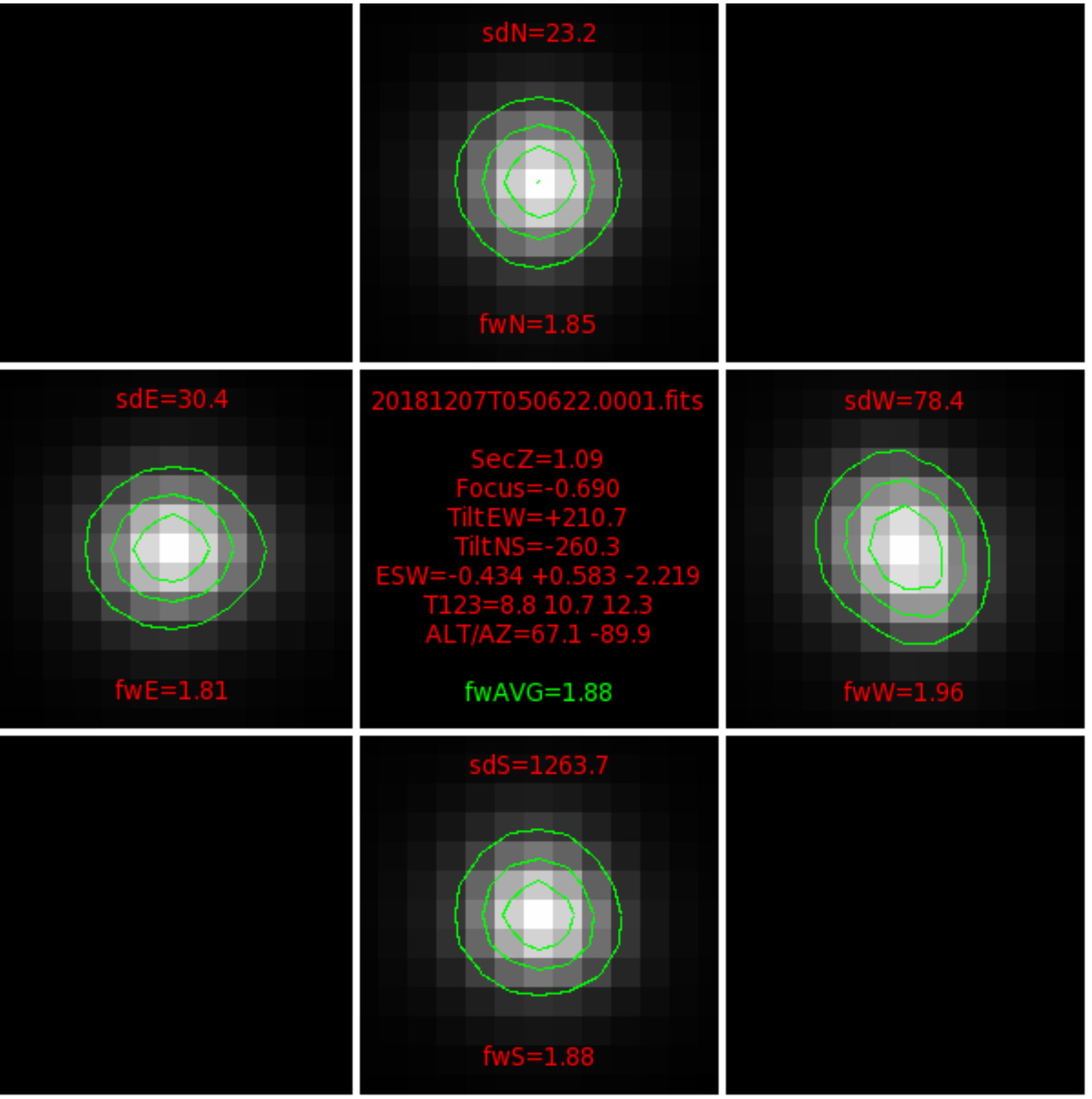
sdN=23.2
fwN=1.85
sdE=30.4
fwE=1.81
20181207T050622.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.8 10.7 12.3
ALT/AZ=67.1 -89.9
fwAVG=1.88
sdW=78.4
fwW=1.96
sdS=1263.7
fwS=1.88
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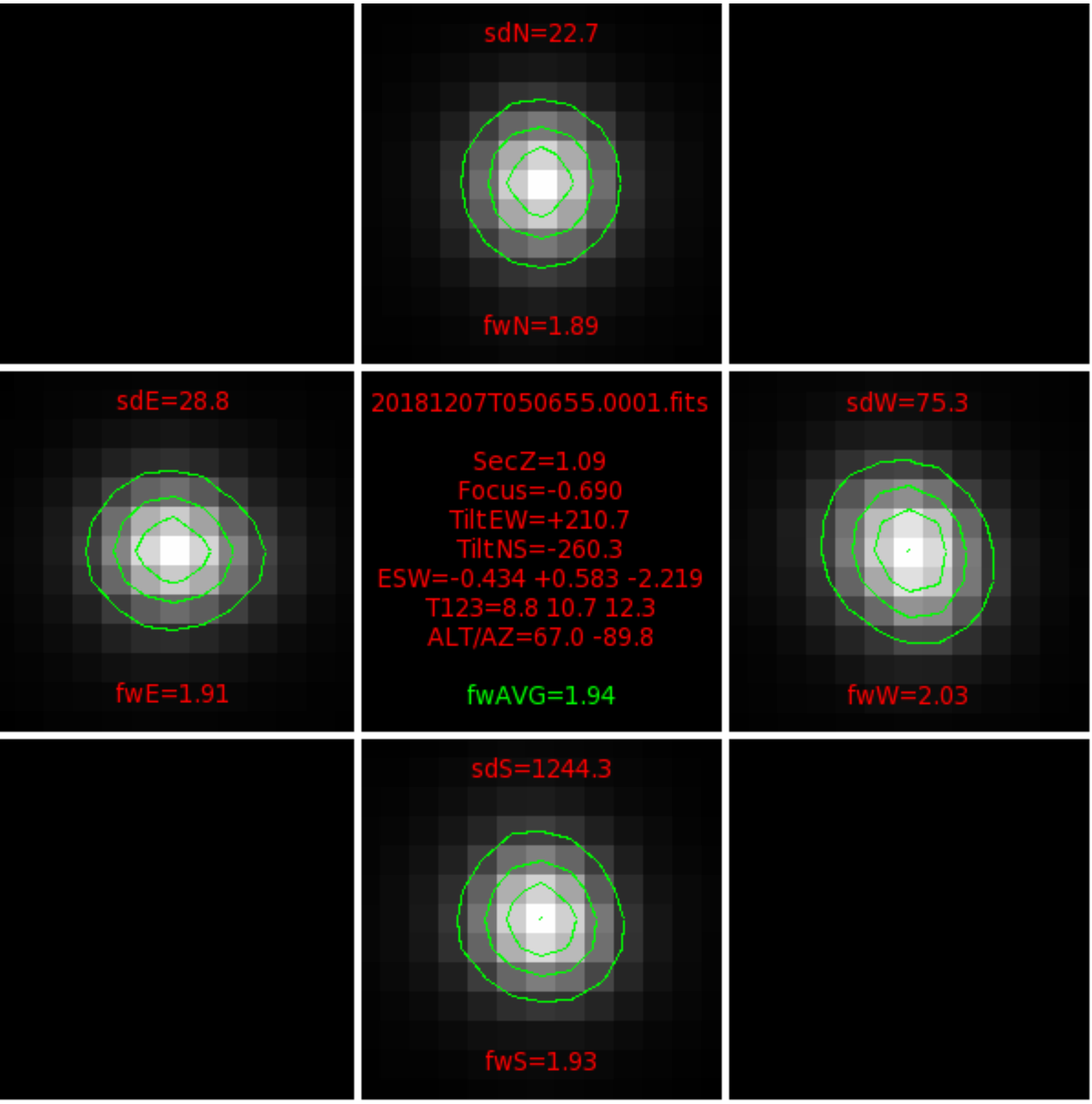
sdN=22.7
fwN=1.89
sdE=28.8
fwE=1.91
20181207T050655.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.8 10.7 12.3
ALT/AZ=67.0 -89.8
fwAVG=1.94
sdW=75.3
fwW=2.03
sdS=1244.3
fwS=1.93
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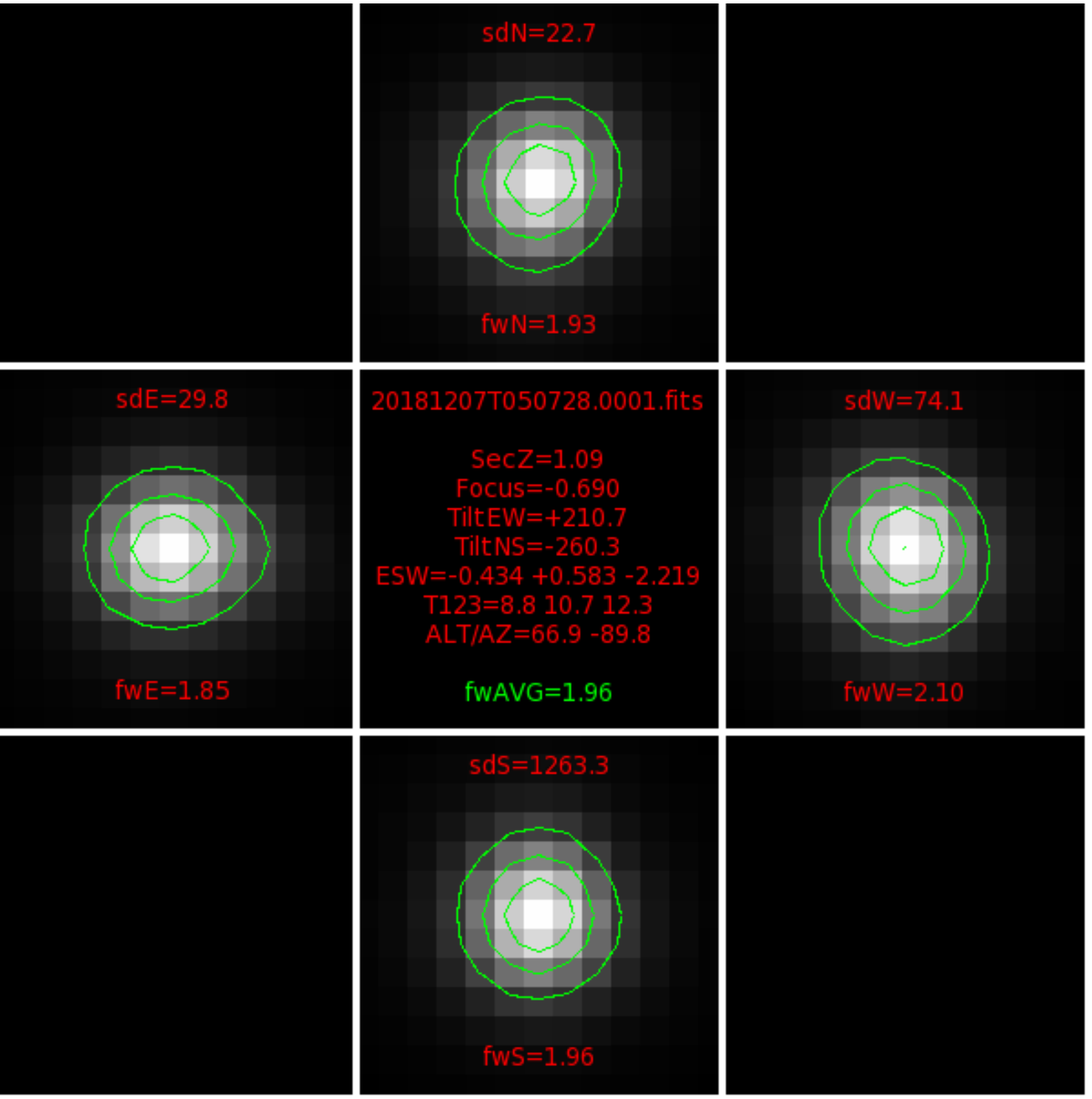
sdN=22.7
fwN=1.93
sdE=29.8
fwE=1.85
20181207T050728.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.8 10.7 12.3
ALT/AZ=66.9 -89.8
fwAVG=1.96
sdW=74.1
fwW=2.10
sdS=1263.3
fwS=1.96
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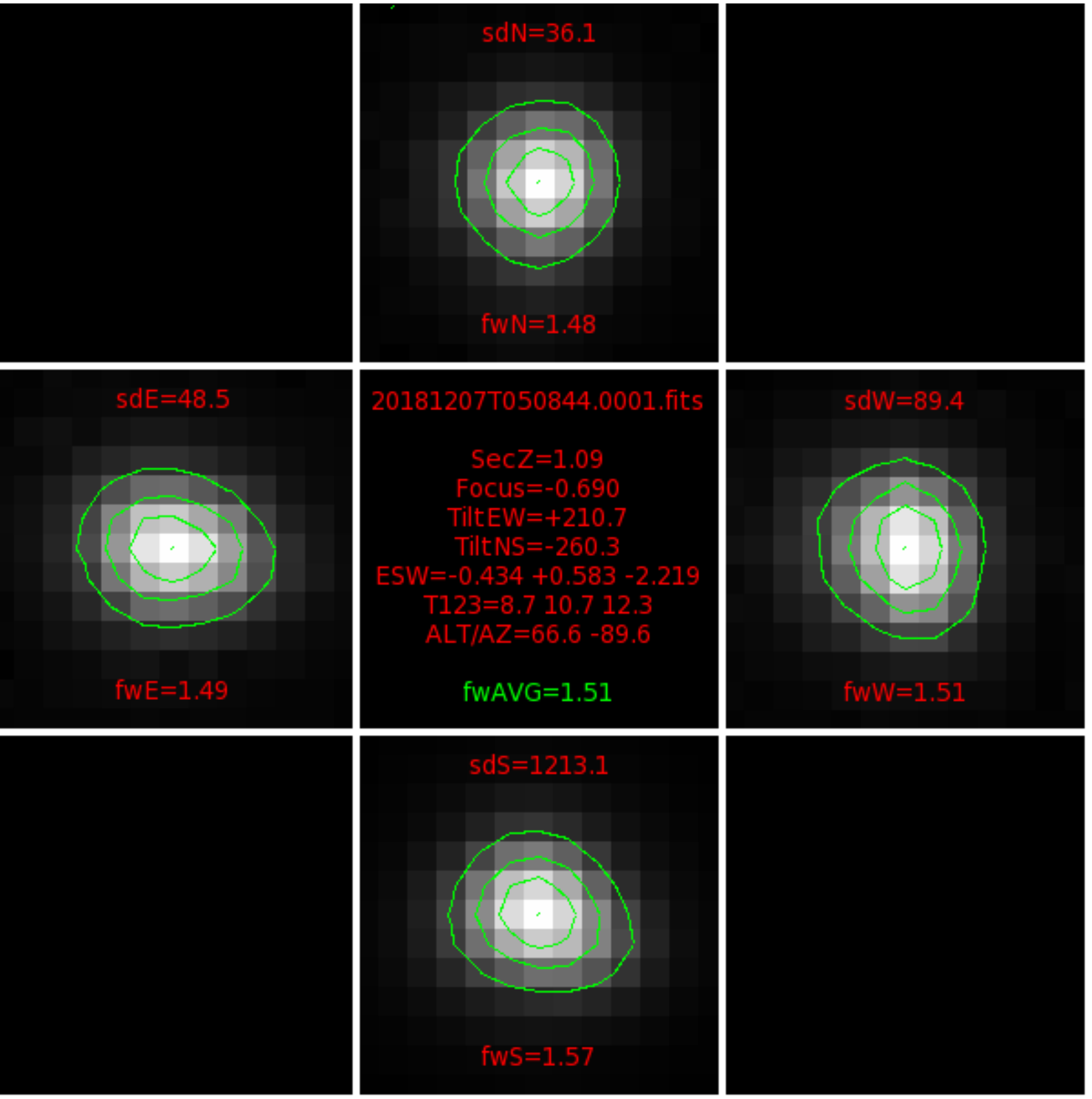
sdN=36.1
fwN=1.48
sdE=48.5
fwE=1.49
20181207T050844.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.7 10.7 12.3
ALT/AZ=66.6 -89.6
fwAVG=1.51
sdW=89.4
fwW=1.51
sdS=1213.1
fwS=1.57
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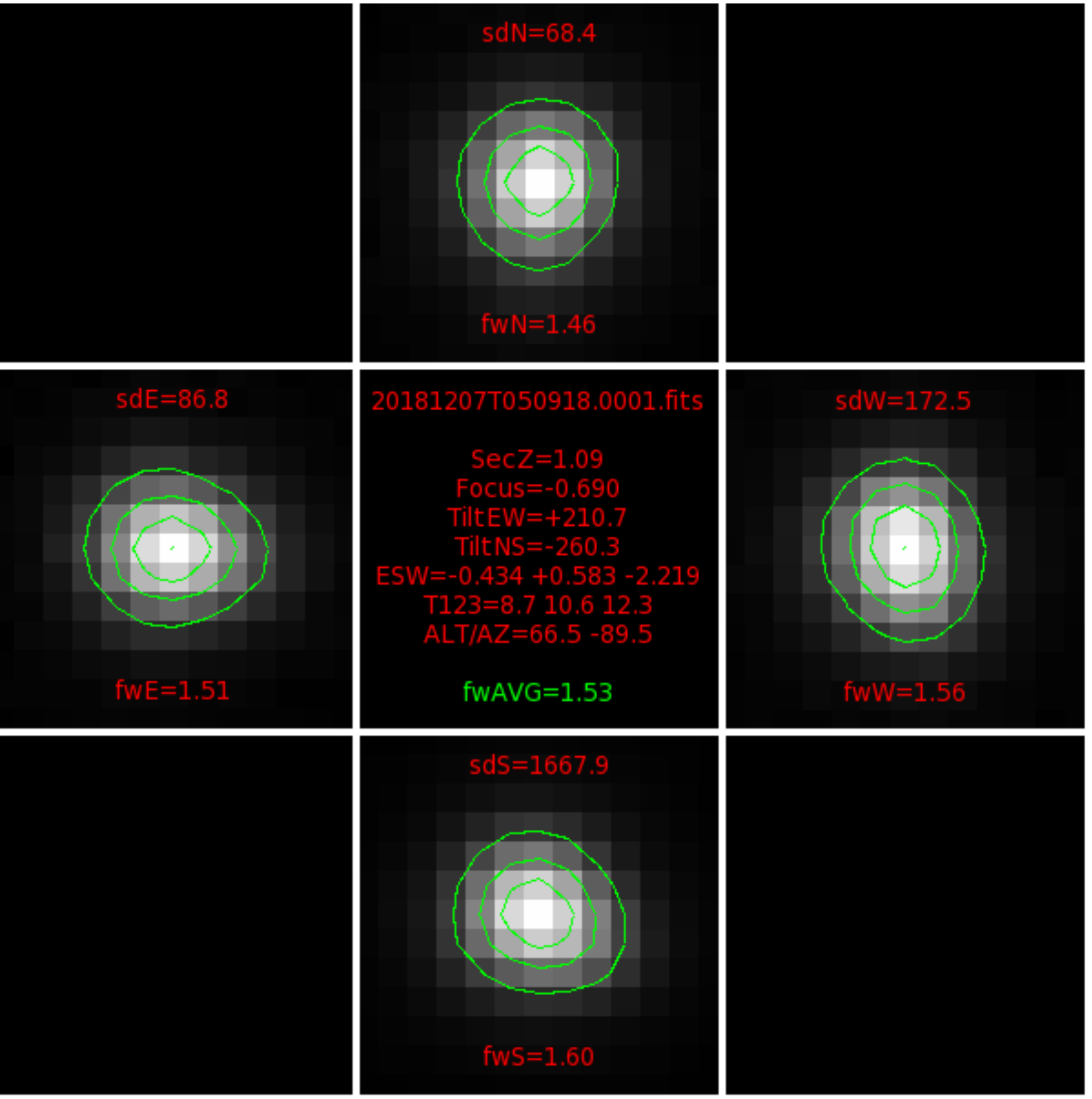
sdN=68.4
fwN=1.46
sdE=86.8
fwE=1.51
20181207T050918.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.7 10.6 12.3
ALT/AZ=66.5 -89.5
fwAVG=1.53
sdW=172.5
fwW=1.56
sdS=1667.9
fwS=1.60
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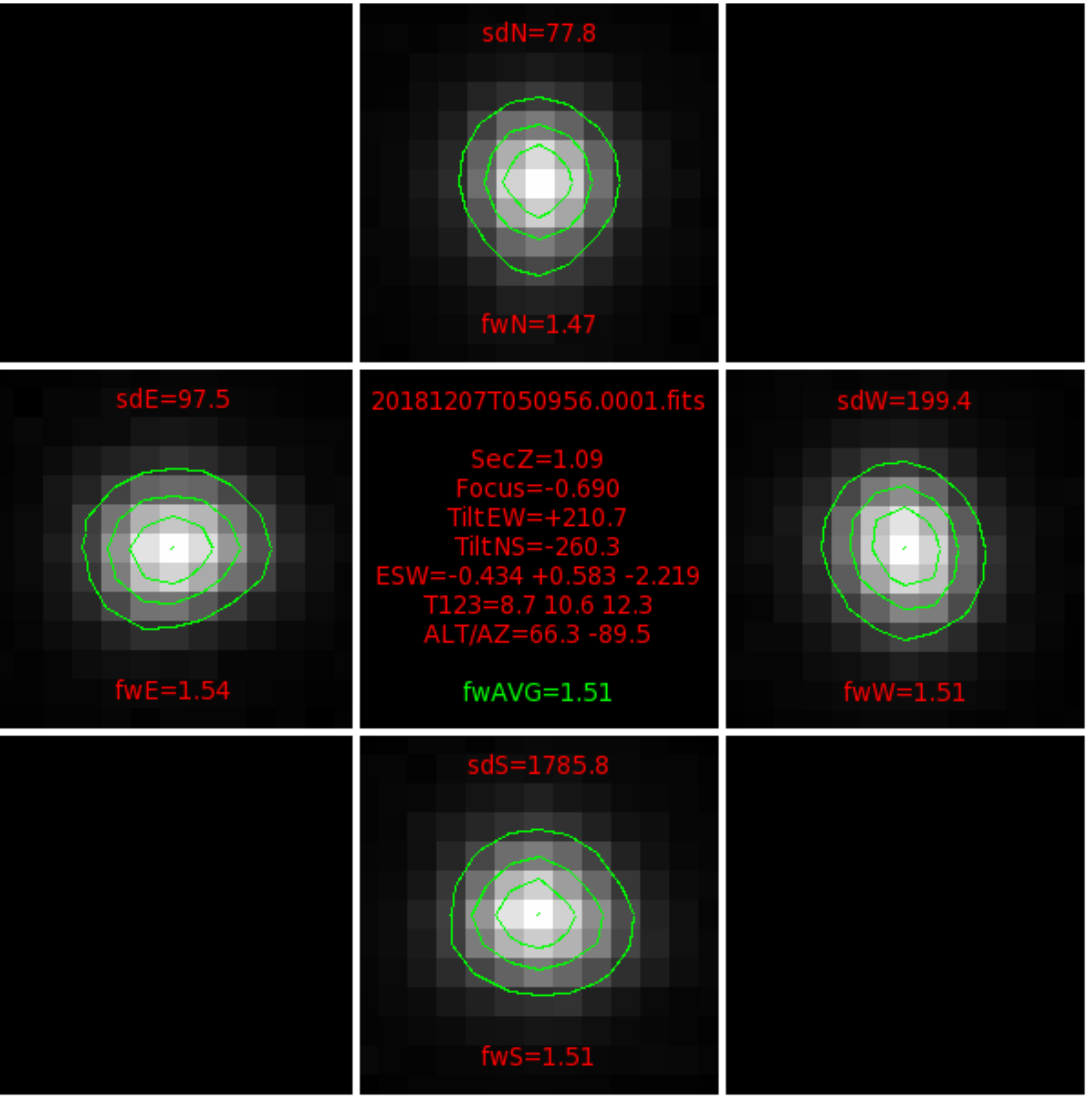
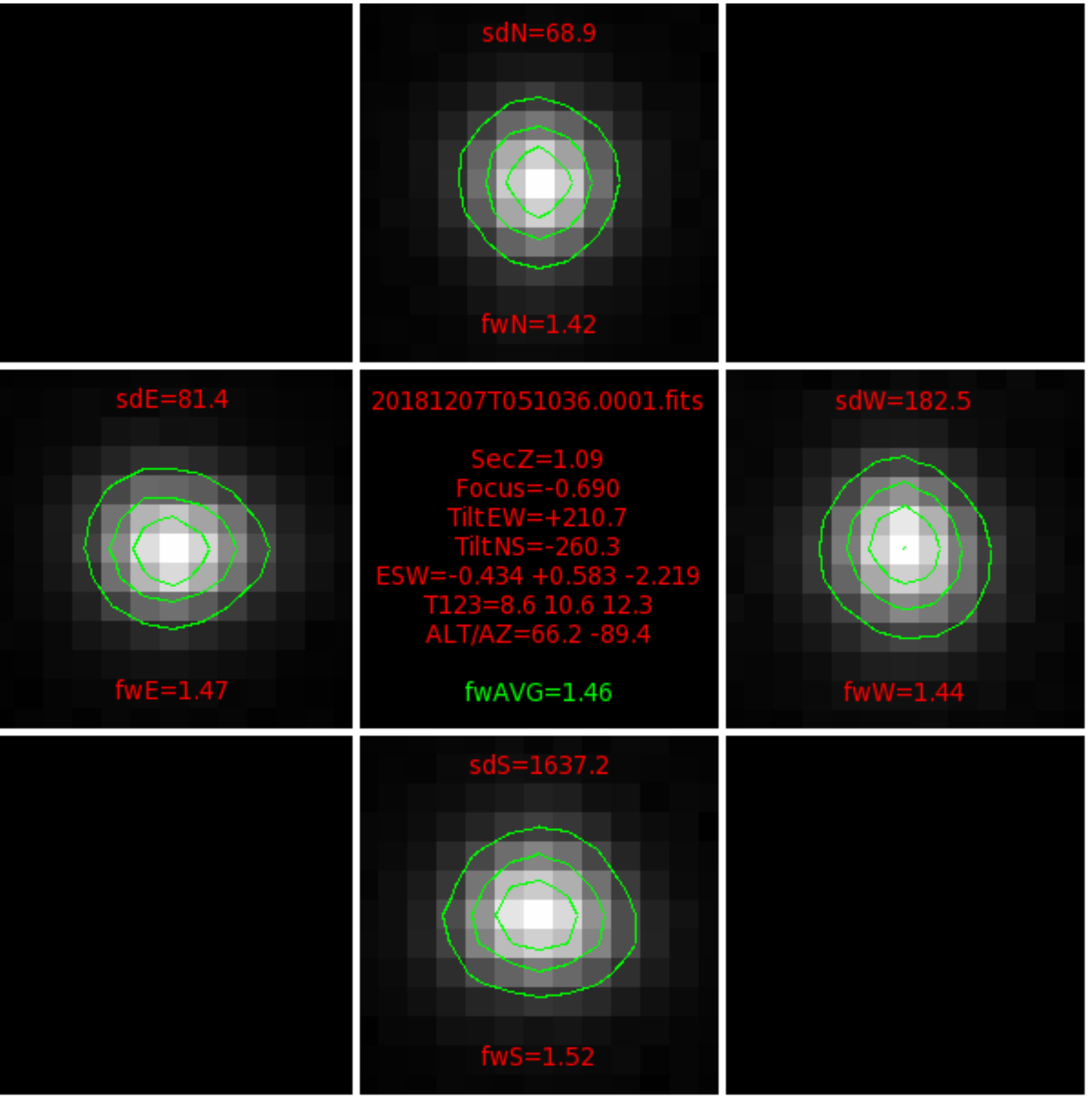

sdN=77.8
fwN=1.47
sdE=97.5
fwE=1.54
20181207T050956.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.7 10.6 12.3
ALT/AZ=66.3 -89.5
fwAVG=1.51
sdW=199.4
fwW=1.51
sdS=1785.8
fwS=1.51
0 0 0 0 0 0 0 0 0


sdN=68.9
fwN=1.42
sdE=81.4
fwE=1.47
20181207T051036.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.6 10.6 12.3
ALT/AZ=66.2 -89.4
fwAVG=1.46
sdW=182.5
fwW=1.44
sdS=1637.2
fwS=1.52
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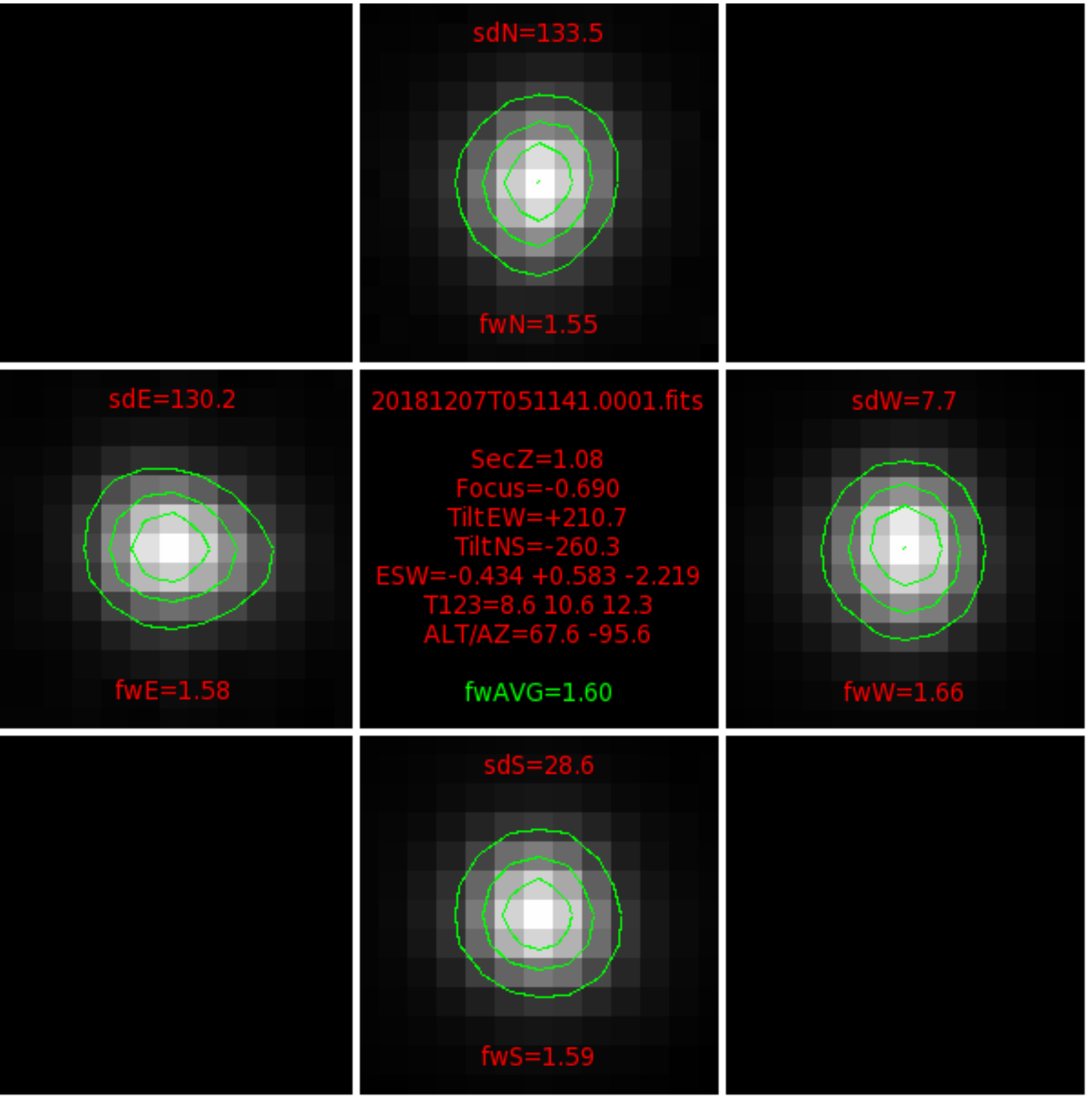
sdN=133.5
fwN=1.55
sdE=130.2
fwE=1.58
20181207T051141.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.6 10.6 12.3
ALT/AZ=67.6 -95.6
fwAVG=1.60
sdW=7.7
fwW=1.66
sdS=28.6
fwS=1.59
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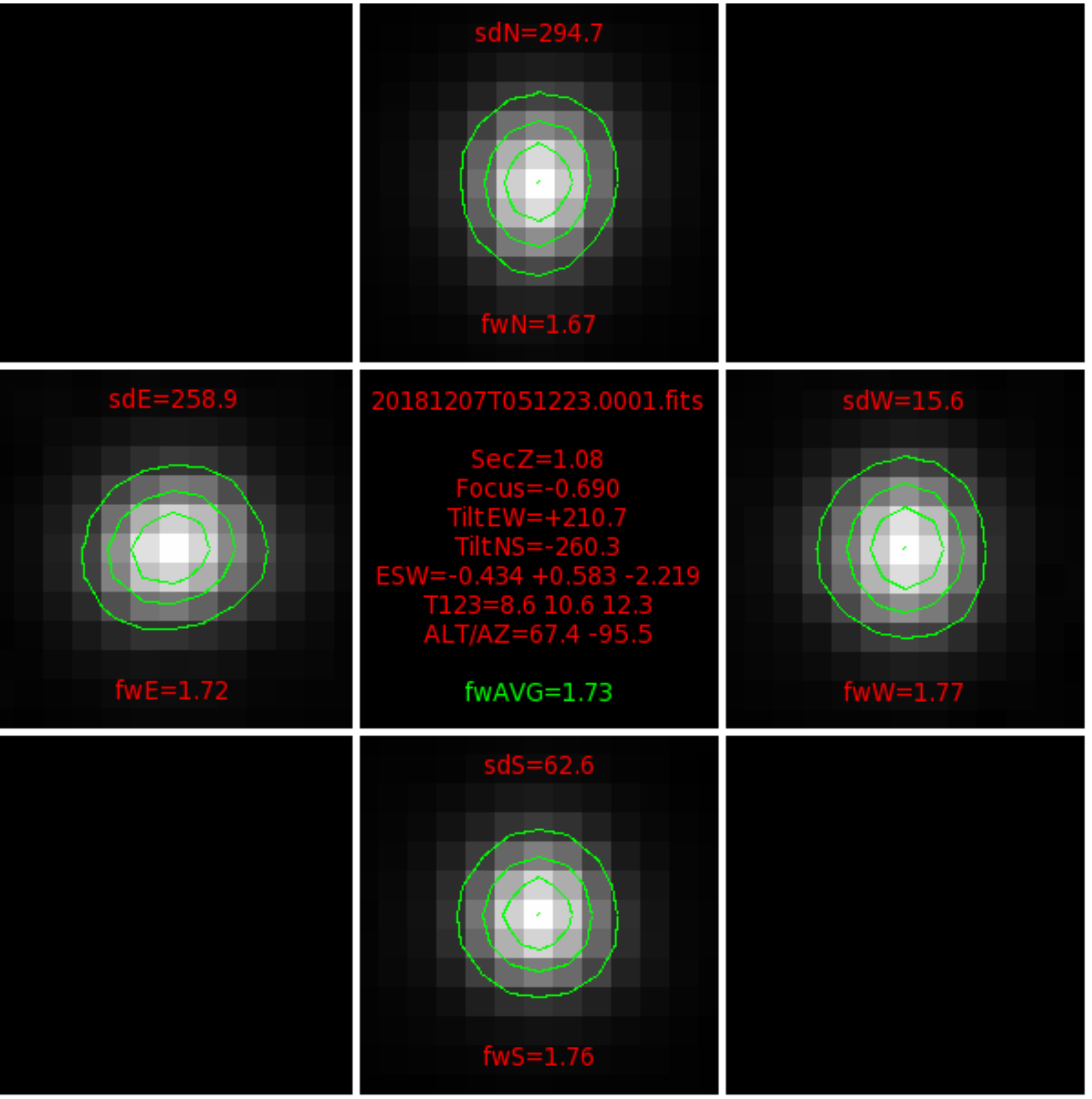
sdN=294.7
fwN=1.67
sdE=258.9
fwE=1.72
20181207T051223.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.6 10.6 12.3
ALT/AZ=67.4 -95.5
fwAVG=1.73
sdW=15.6
fwW=1.77
sdS=62.6
fwS=1.76
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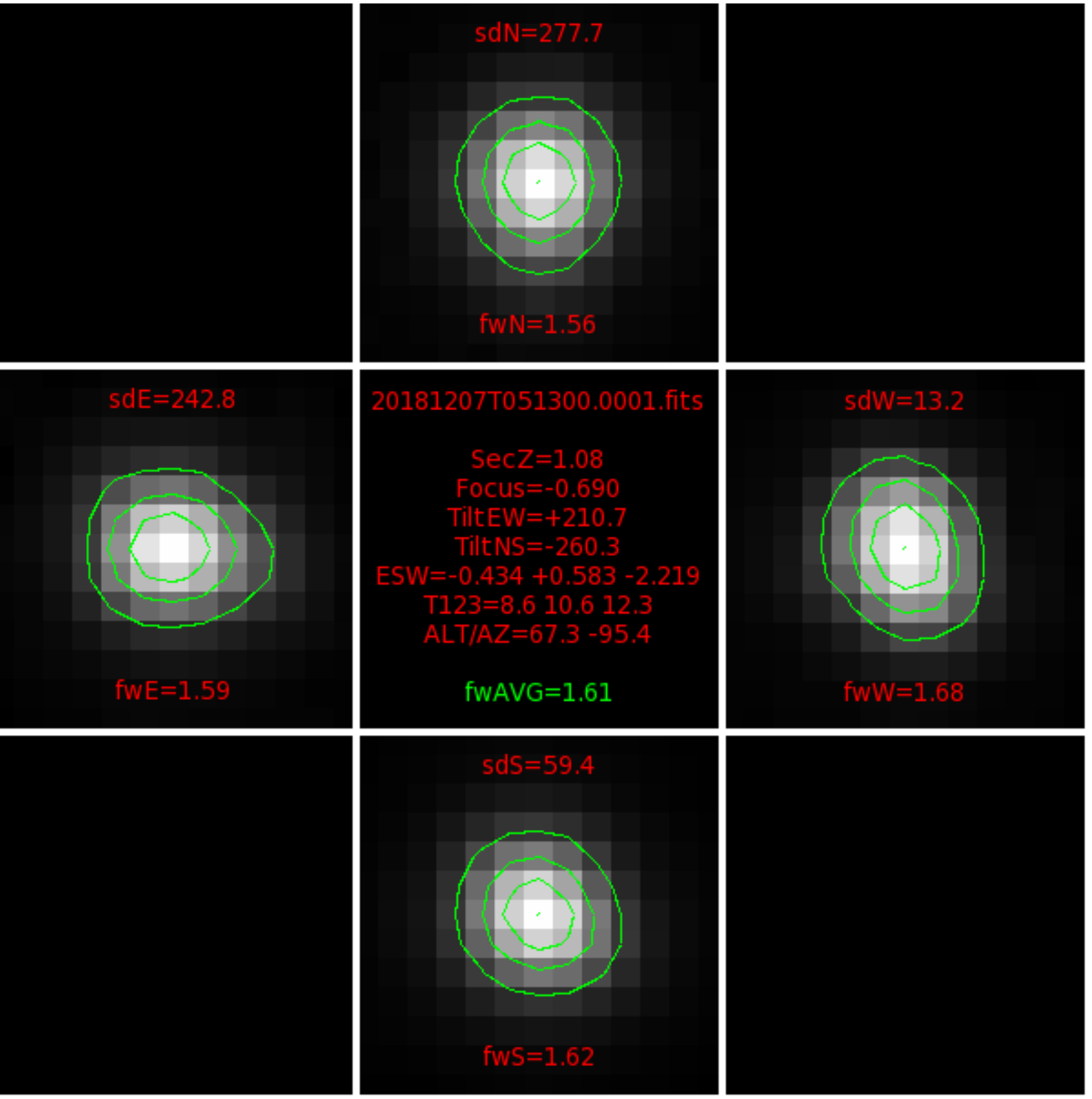
sdN=277.7
fwN=1.56
sdE=242.8
fwE=1.59
20181207T051300.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.6 10.6 12.3
ALT/AZ=67.3 -95.4
fwAVG=1.61
sdW=13.2
fwW=1.68
sdS=59.4
fwS=1.62
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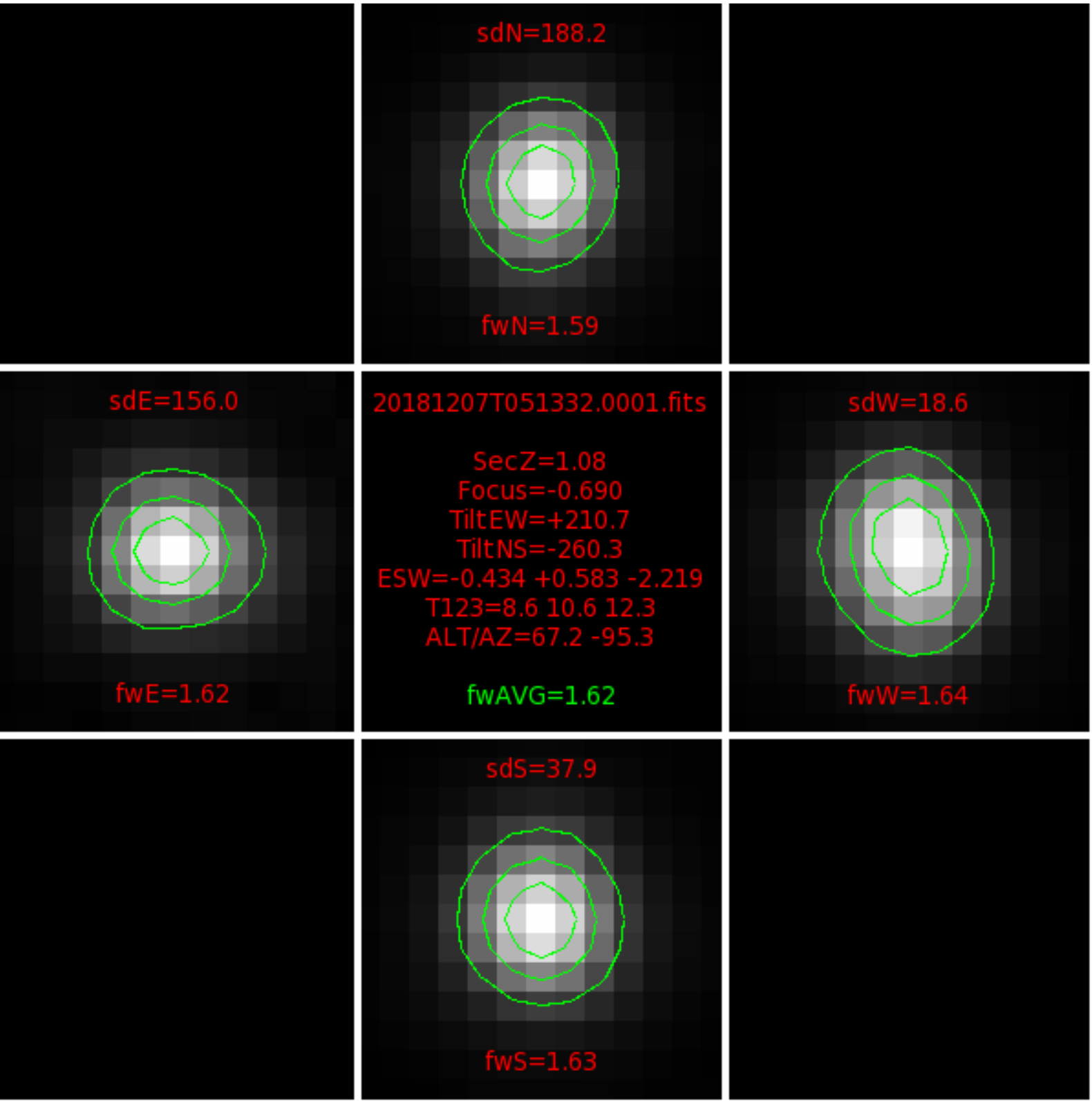
sdN=188.2
fwN=1.59
sdE=156.0
fwE=1.62
20181207T051332.0001.fits
SecZ=1.08
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.6 10.6 12.3
ALT/AZ=67.2 -95.3
fwAVG=1.62
sdW=18.6
fwW=1.64
sdS=37.9
fwS=1.63
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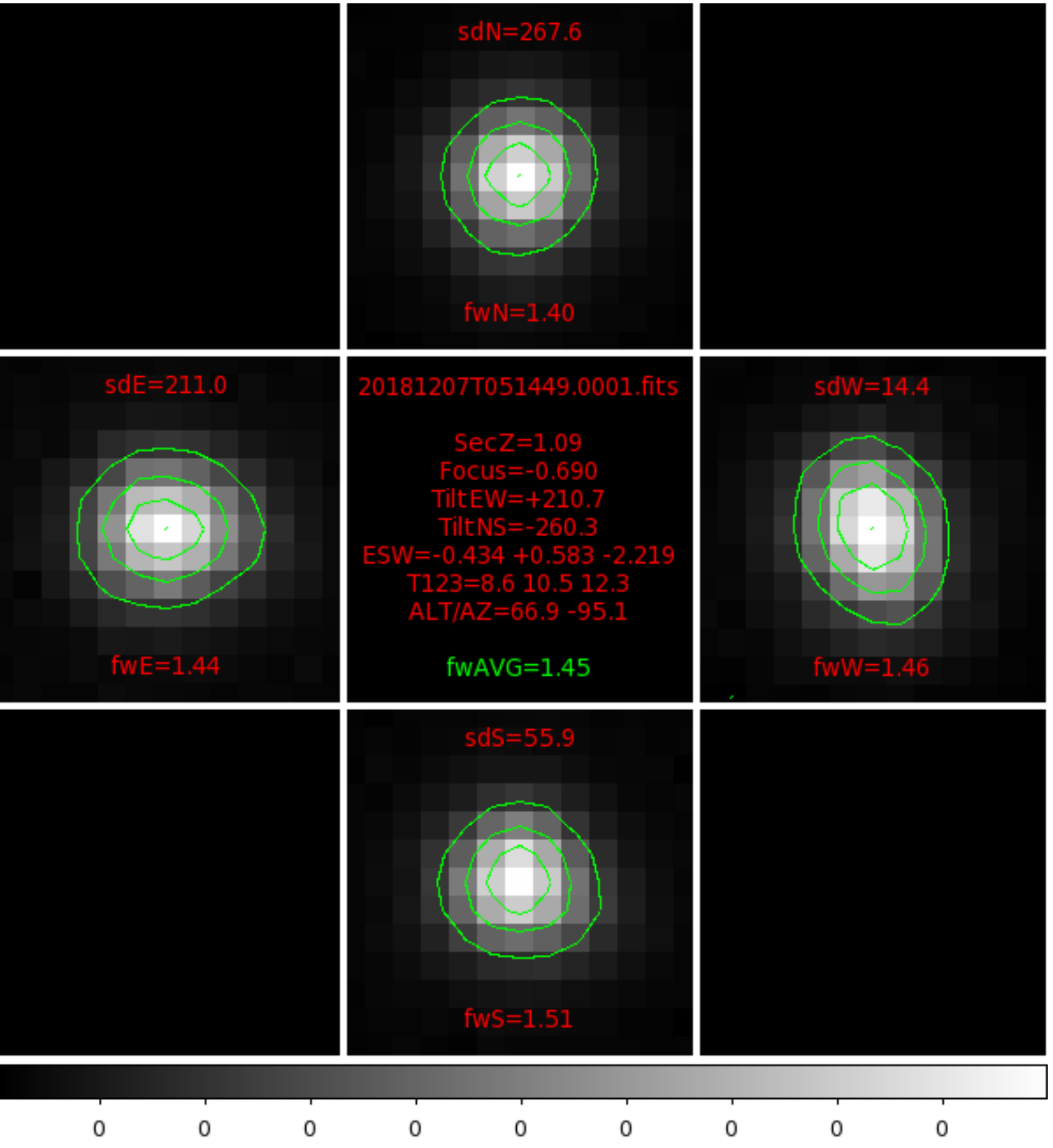
sdN=267.6
fwN=1.40
sdE=211.0
fwE=1.44
20181207T051449.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.6 10.5 12.3
ALT/AZ=66.9 -95.1
fwAVG=1.45
sdW=14.4
fwW=1.46
sdS=55.9
fwS=1.51
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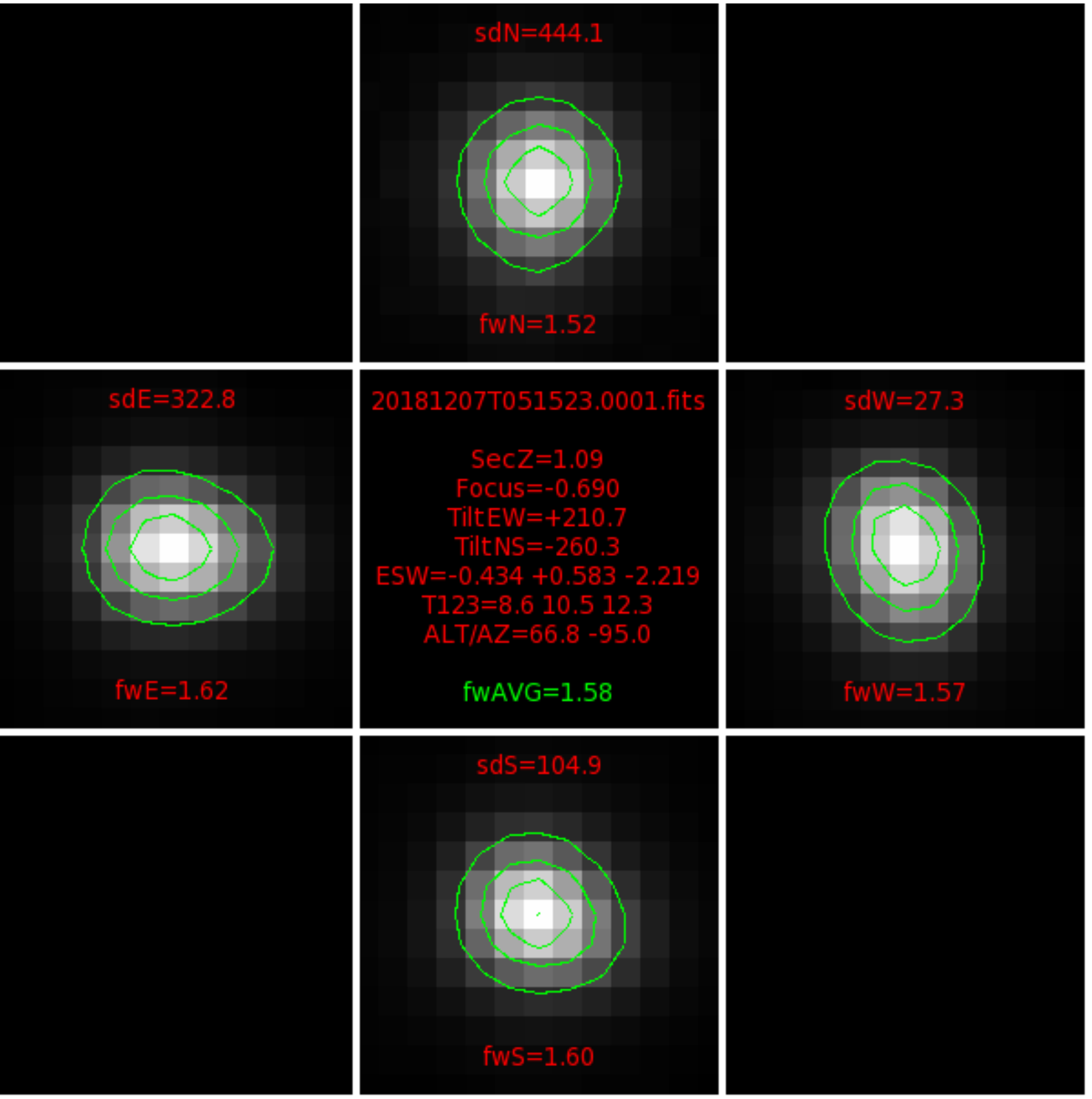
sdN=444.1
fwN=1.52
sdE=322.8
fwE=1.62
20181207T051523.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.6 10.5 12.3
ALT/AZ=66.8 -95.0
fwAVG=1.58
sdW=27.3
fwW=1.57
sdS=104.9
fwS=1.60
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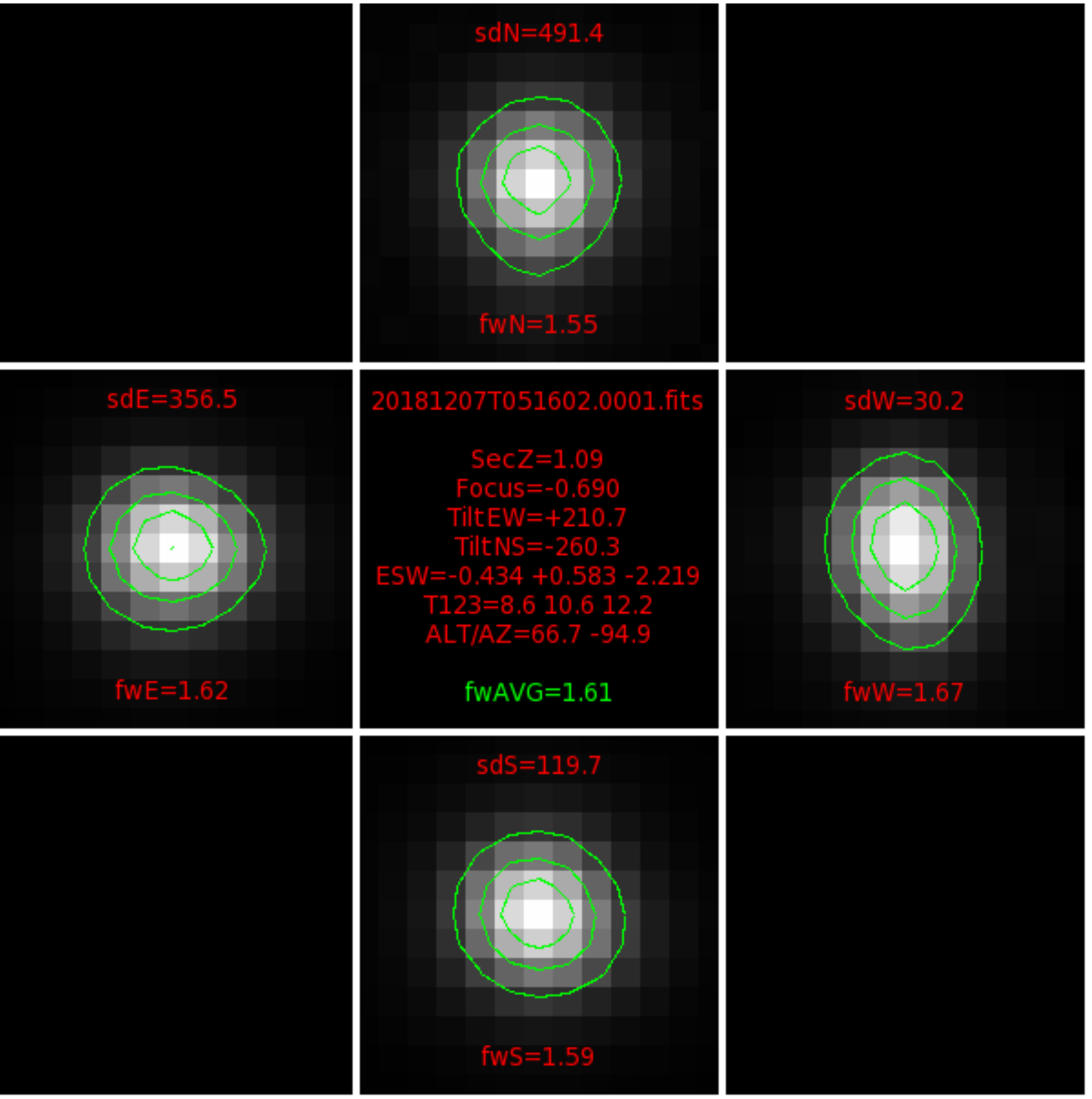
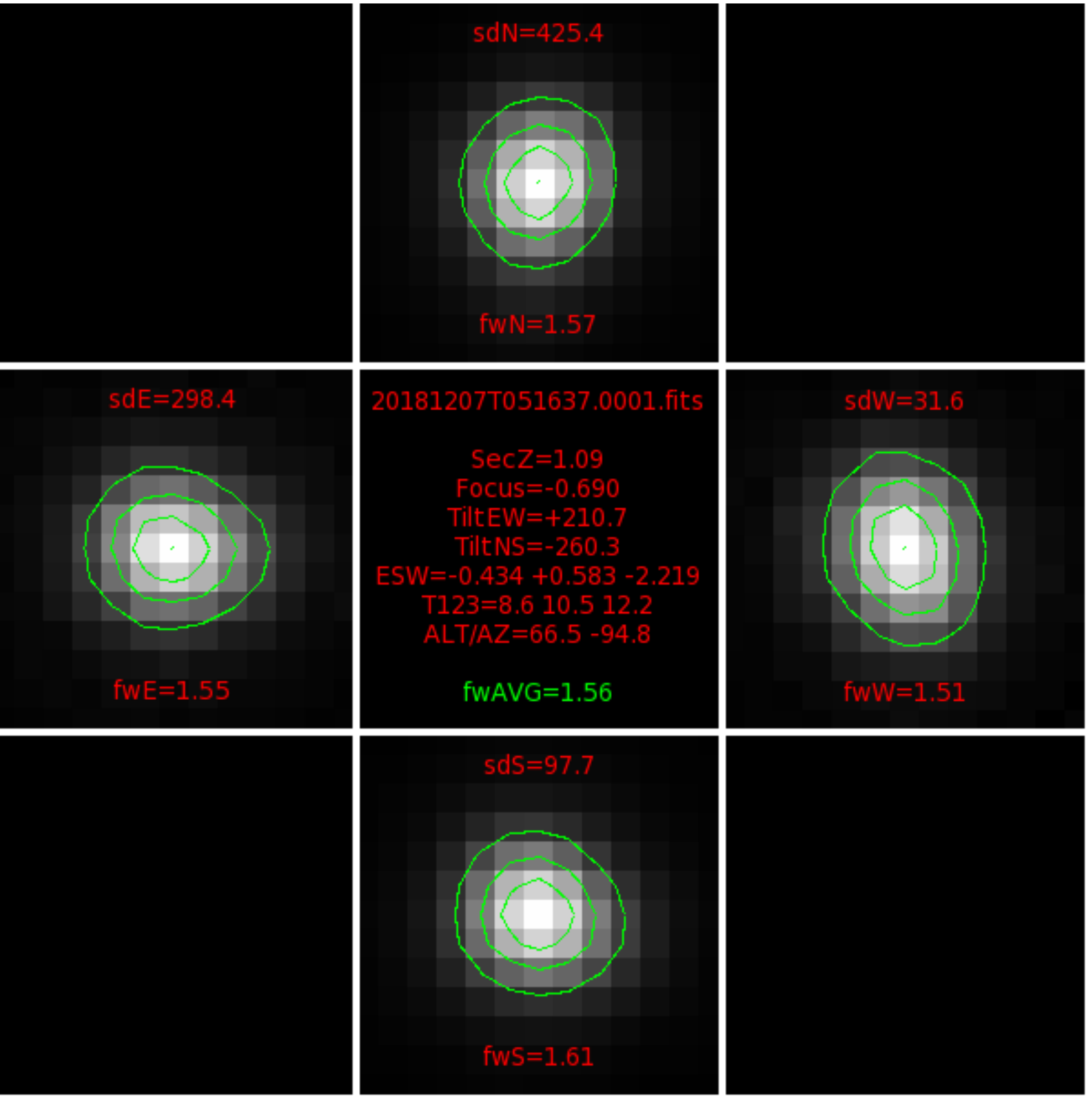

sdN=491.4
fwN=1.55
sdE=356.5
fwE=1.62
20181207T051602.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.6 10.6 12.2
ALT/AZ=66.7 -94.9
fwAVG=1.61
sdW=30.2
fwW=1.67
sdS=119.7
fwS=1.59
0 0 0 0 0 0 0 0 0


sdN=425.4
fwN=1.57
sdE=298.4
fwE=1.55
20181207T051637.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.6 10.5 12.2
ALT/AZ=66.5 -94.8
fwAVG=1.56
sdW=31.6
fwW=1.51
sdS=97.7
fwS=1.61
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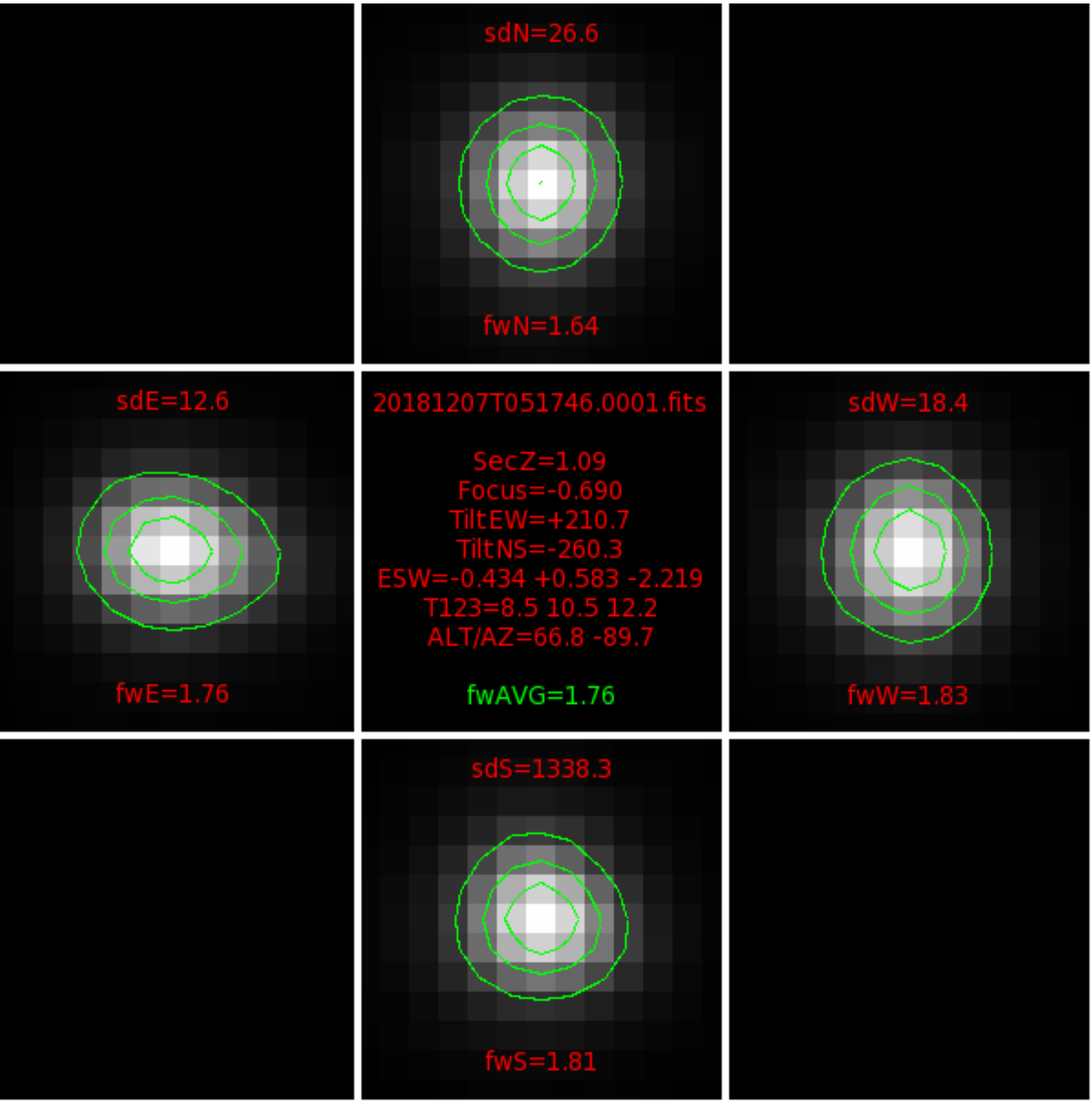
sdN=26.6
fwN=1.64
sdE=12.6
fwE=1.76
20181207T051746.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.5 10.5 12.2
ALT/AZ=66.8 -89.7
fwAVG=1.76
sdW=18.4
fwW=1.83
sdS=1338.3
fwS=1.81
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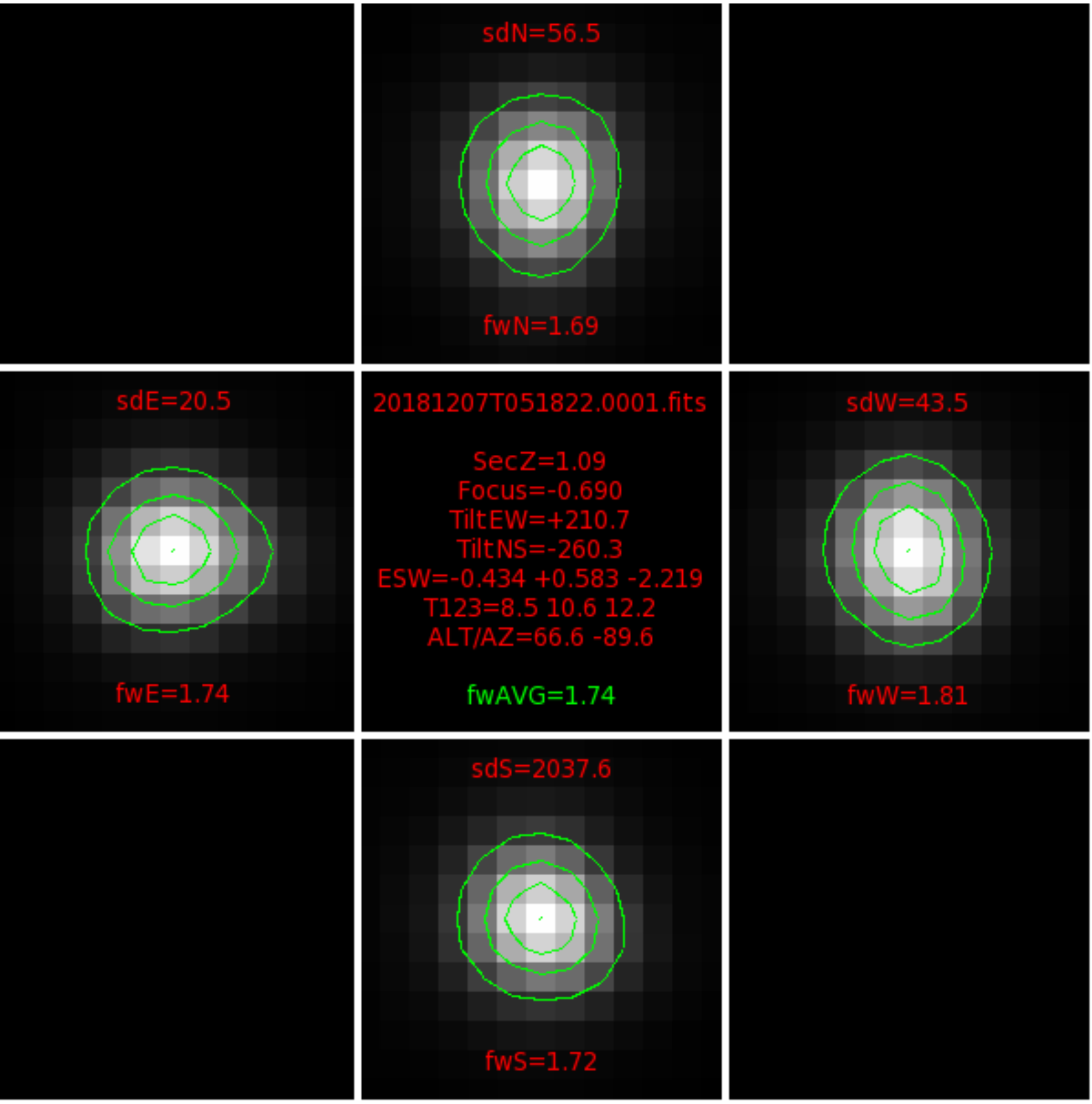
sdN=56.5
fwN=1.69
sdE=20.5
fwE=1.74
20181207T051822.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.5 10.6 12.2
ALT/AZ=66.6 -89.6
fwAVG=1.74
sdW=43.5
fwW=1.81
sdS=2037.6
fwS=1.72
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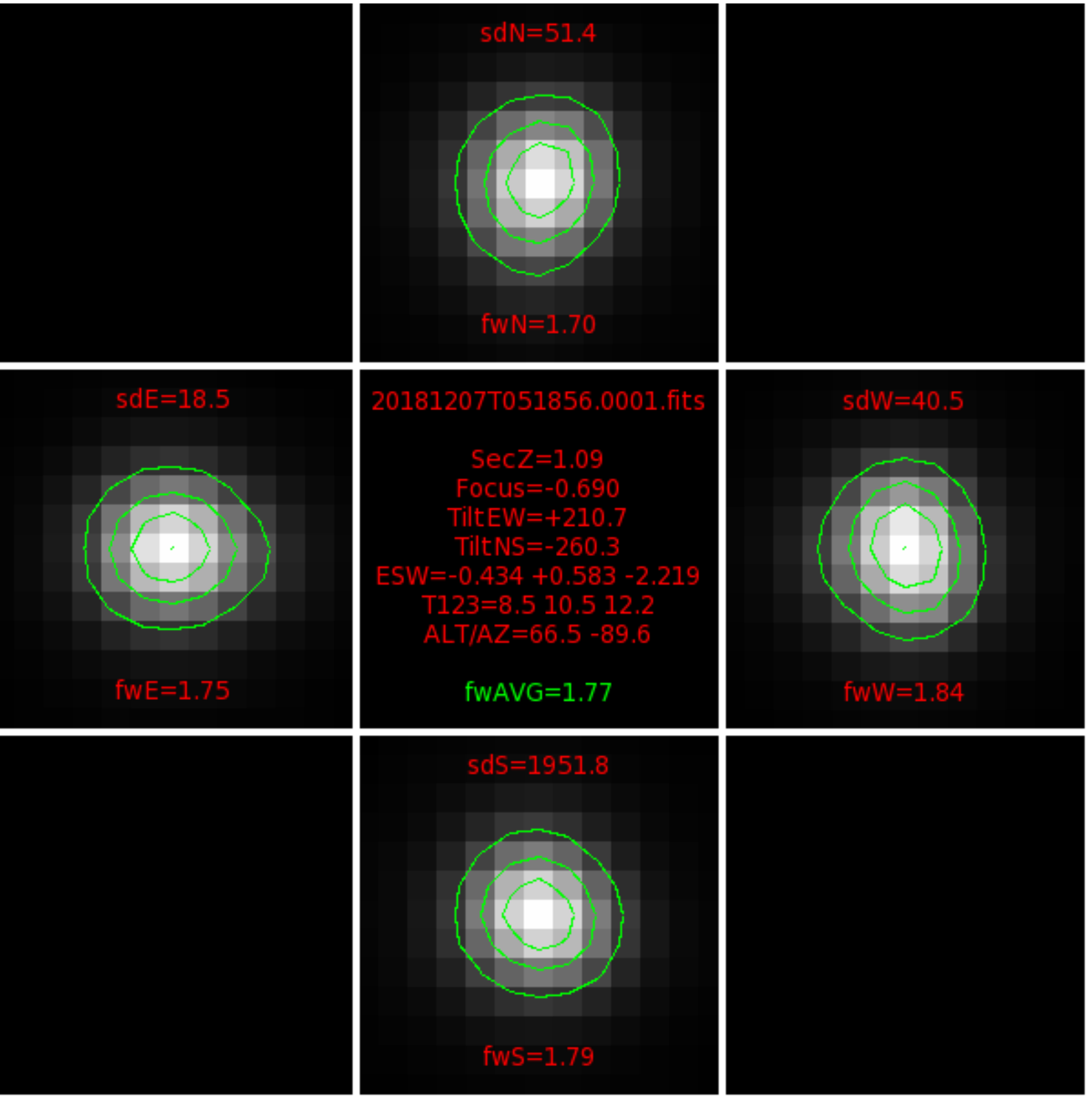
sdN=51.4
fwN=1.70
sdE=18.5
fwE=1.75
20181207T051856.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.5 10.5 12.2
ALT/AZ=66.5 -89.6
fwAVG=1.77
sdW=40.5
fwW=1.84
sdS=1951.8
fwS=1.79
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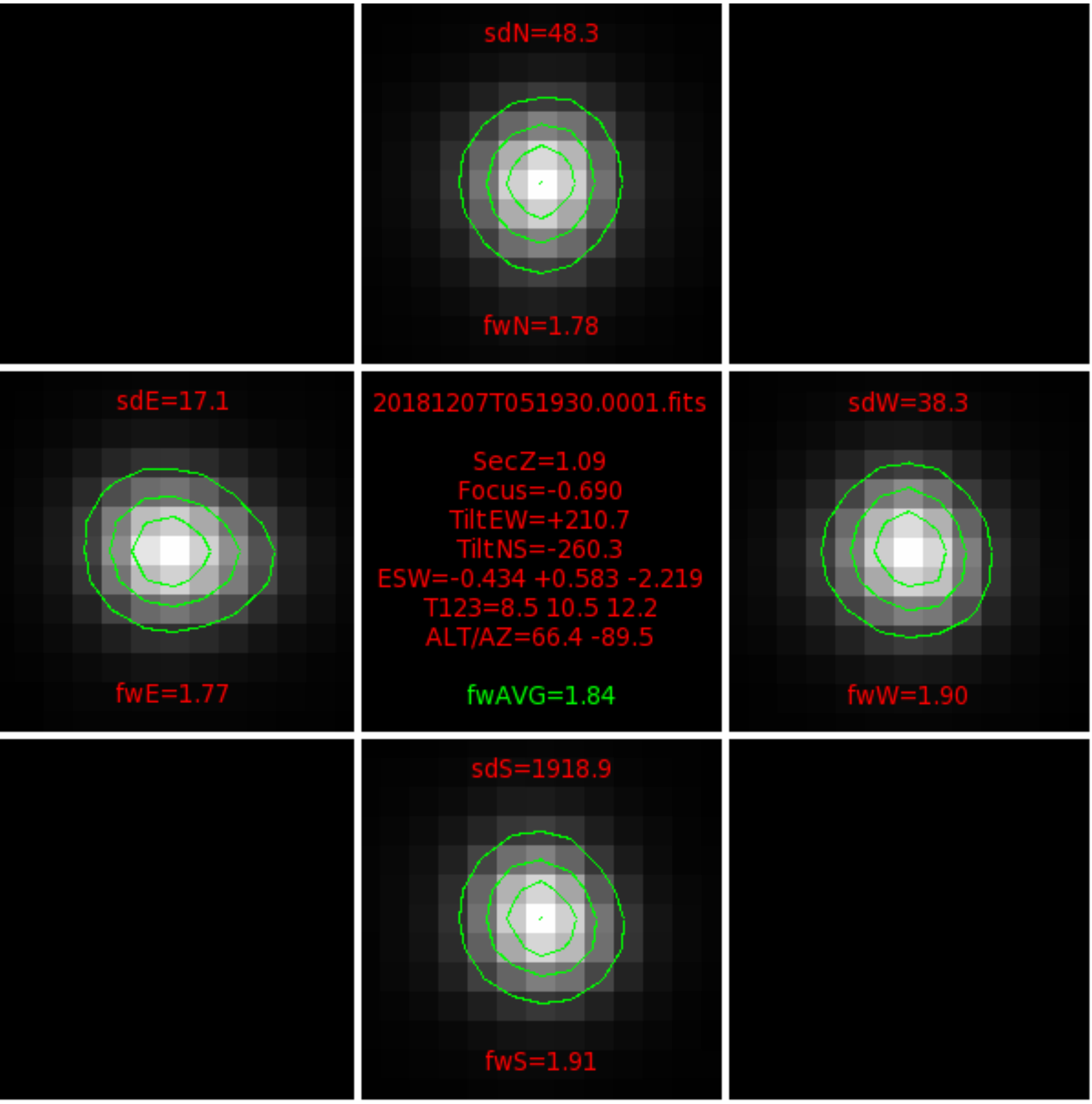
sdN=48.3
fwN=1.78
sdE=17.1
fwE=1.77
20181207T051930.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.5 10.5 12.2
ALT/AZ=66.4 -89.5
fwAVG=1.84
sdW=38.3
fwW=1.90
sdS=1918.9
fwS=1.91
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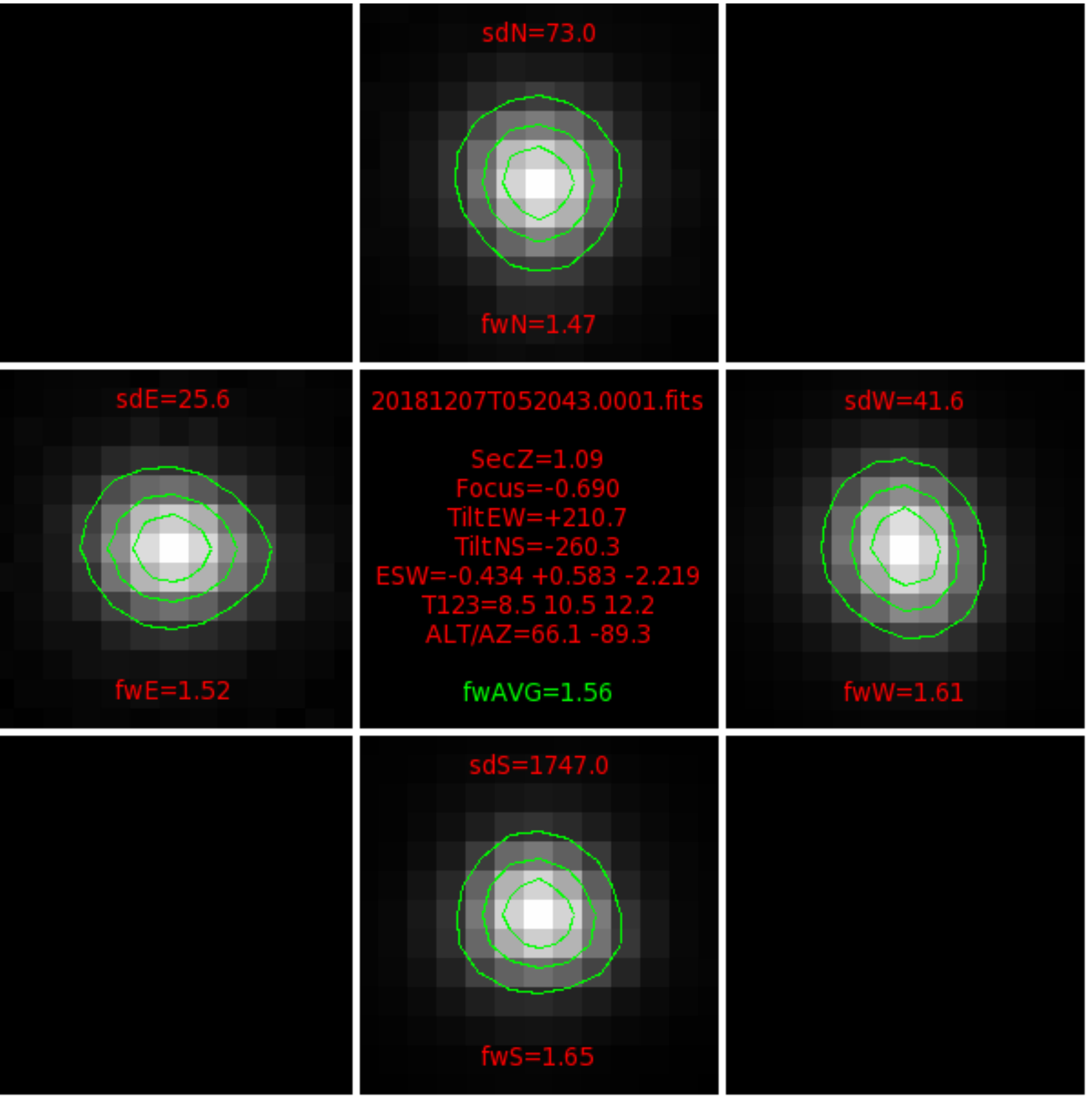
sdN=73.0
fwN=1.47
sdE=25.6
fwE=1.52
20181207T052043.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.5 10.5 12.2
ALT/AZ=66.1 -89.3
fwAVG=1.56
sdW=41.6
fwW=1.61
sdS=1747.0
fwS=1.65
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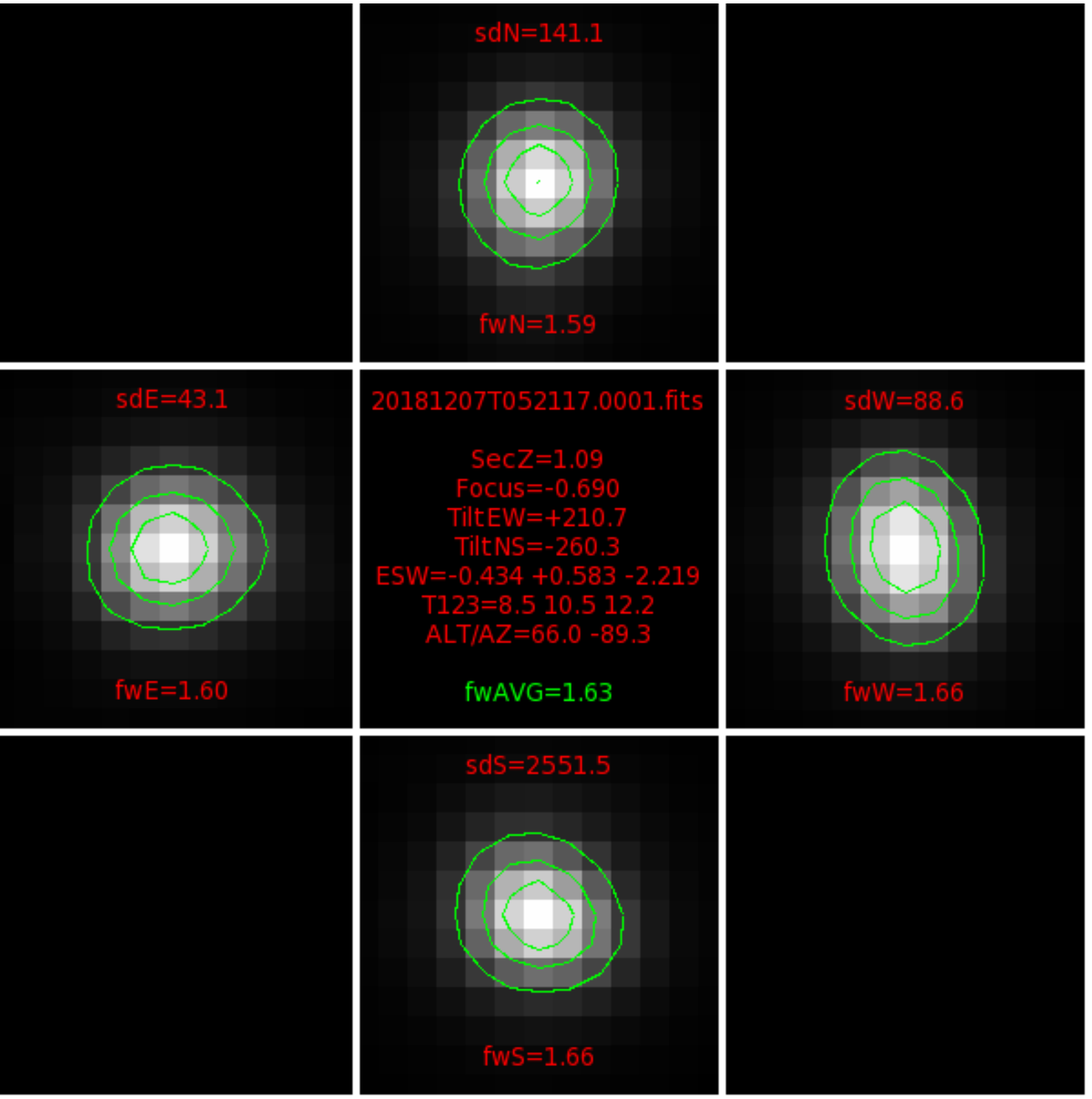
sdN=141.1
fwN=1.59
sdE=43.1
fwE=1.60
20181207T052117.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.5 10.5 12.2
ALT/AZ=66.0 -89.3
fwAVG=1.63
sdW=88.6
fwW=1.66
sdS=2551.5
fwS=1.66
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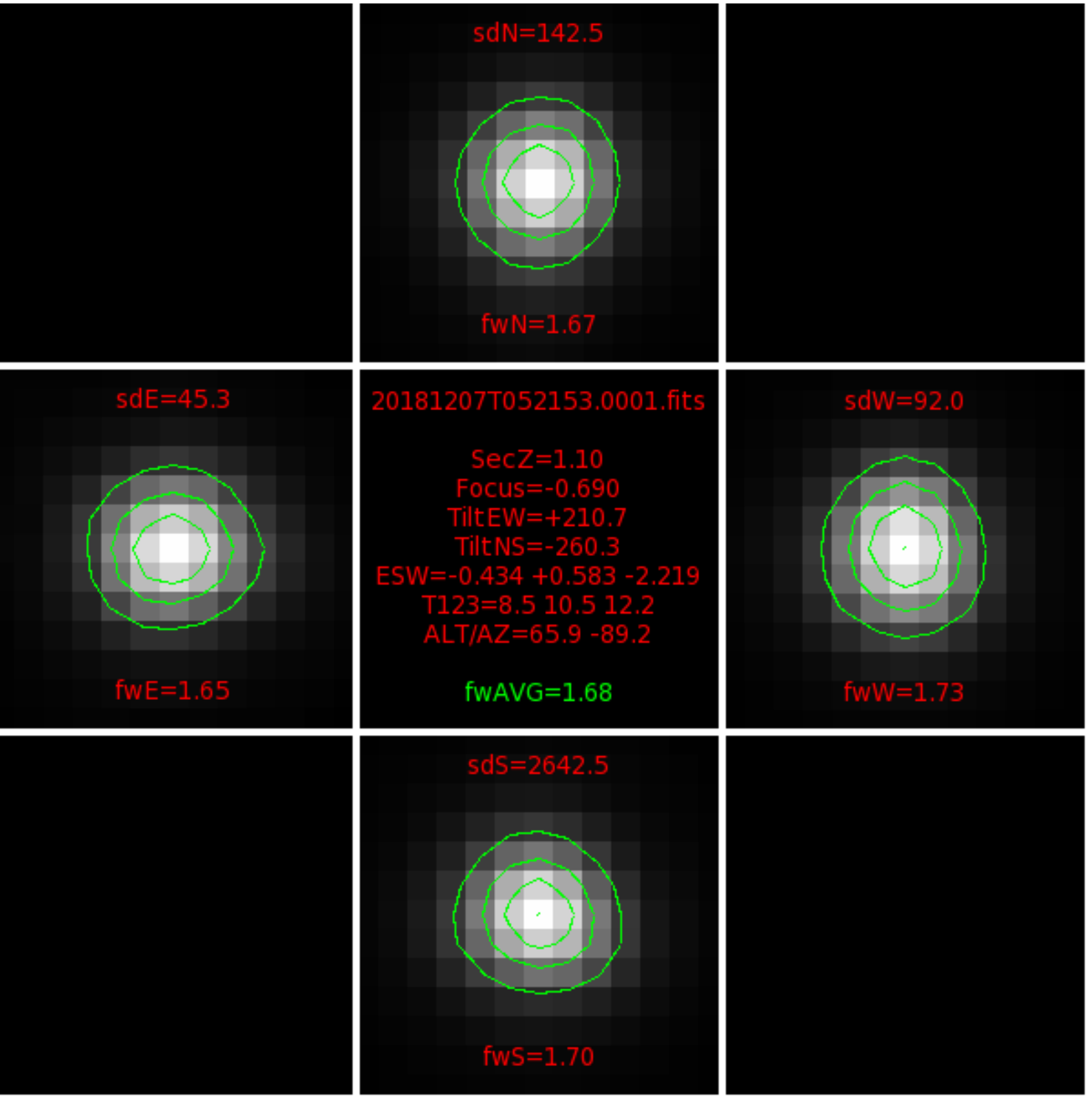
sdN=142.5
fwN=1.67
sdE=45.3
fwE=1.65
20181207T052153.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.5 10.5 12.2
ALT/AZ=65.9 -89.2
fwAVG=1.68
sdW=92.0
fwW=1.73
sdS=2642.5
fwS=1.70
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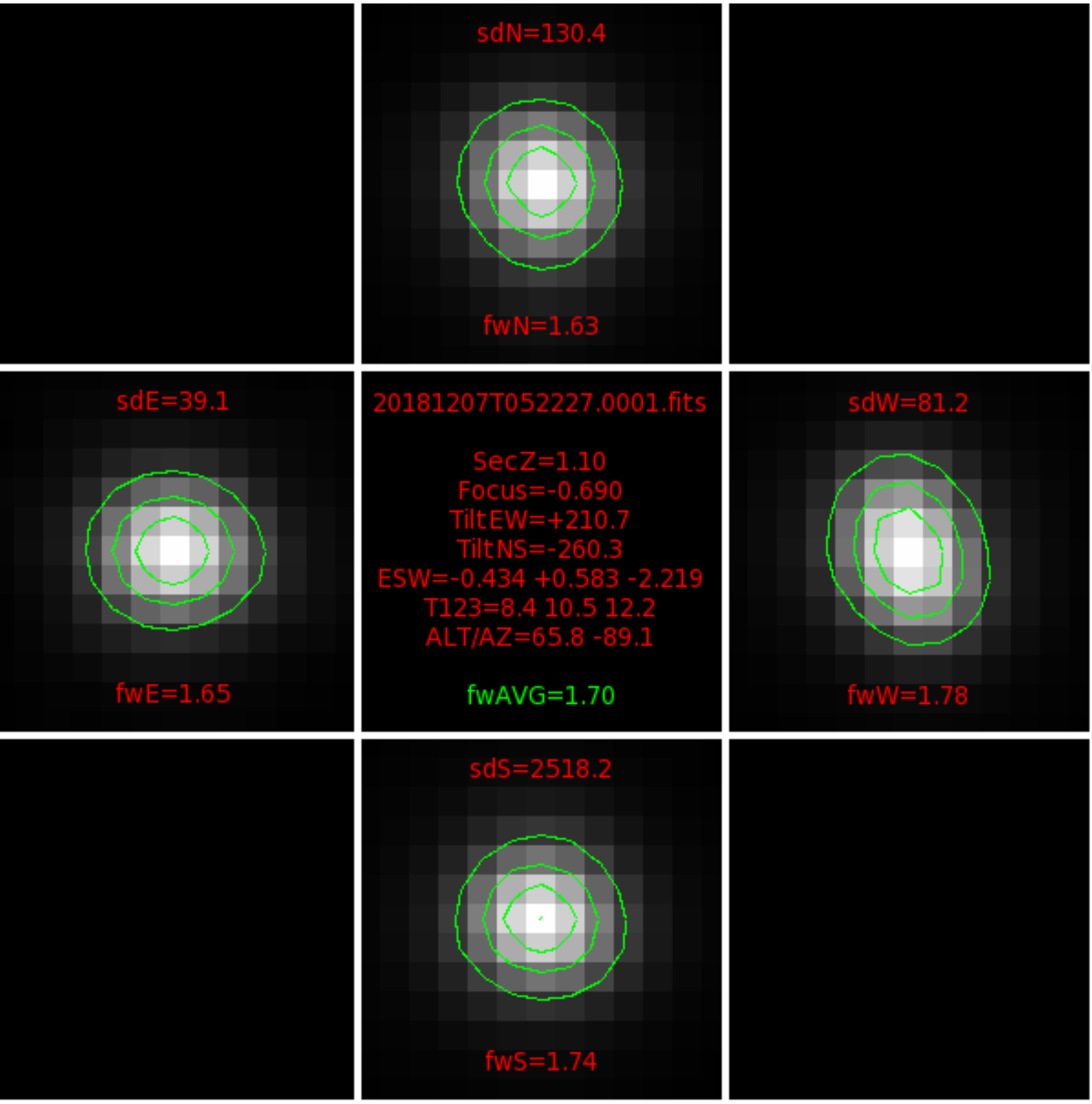
sdN=130.4
fwN=1.63
sdE=39.1
fwE=1.65
20181207T052227.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.4 10.5 12.2
ALT/AZ=65.8 -89.1
fwAVG=1.70
sdW=81.2
fwW=1.78
sdS=2518.2
fwS=1.74
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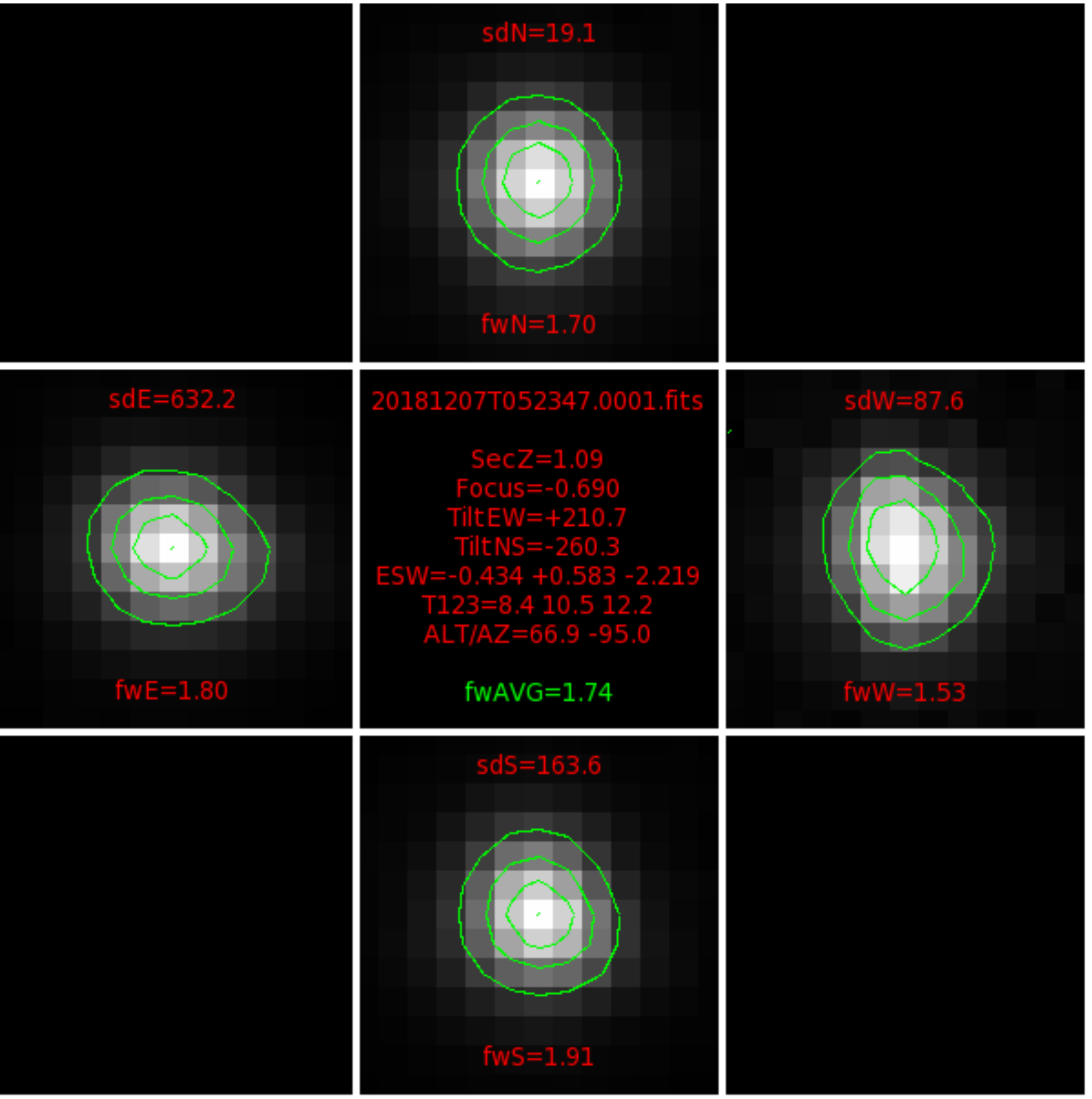
sdN=19.1
fwN=1.70
sdE=632.2
fwE=1.80
20181207T052347.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.4 10.5 12.2
ALT/AZ=66.9 -95.0
fwAVG=1.74
sdW=87.6
fwW=1.53
sdS=163.6
fwS=1.91
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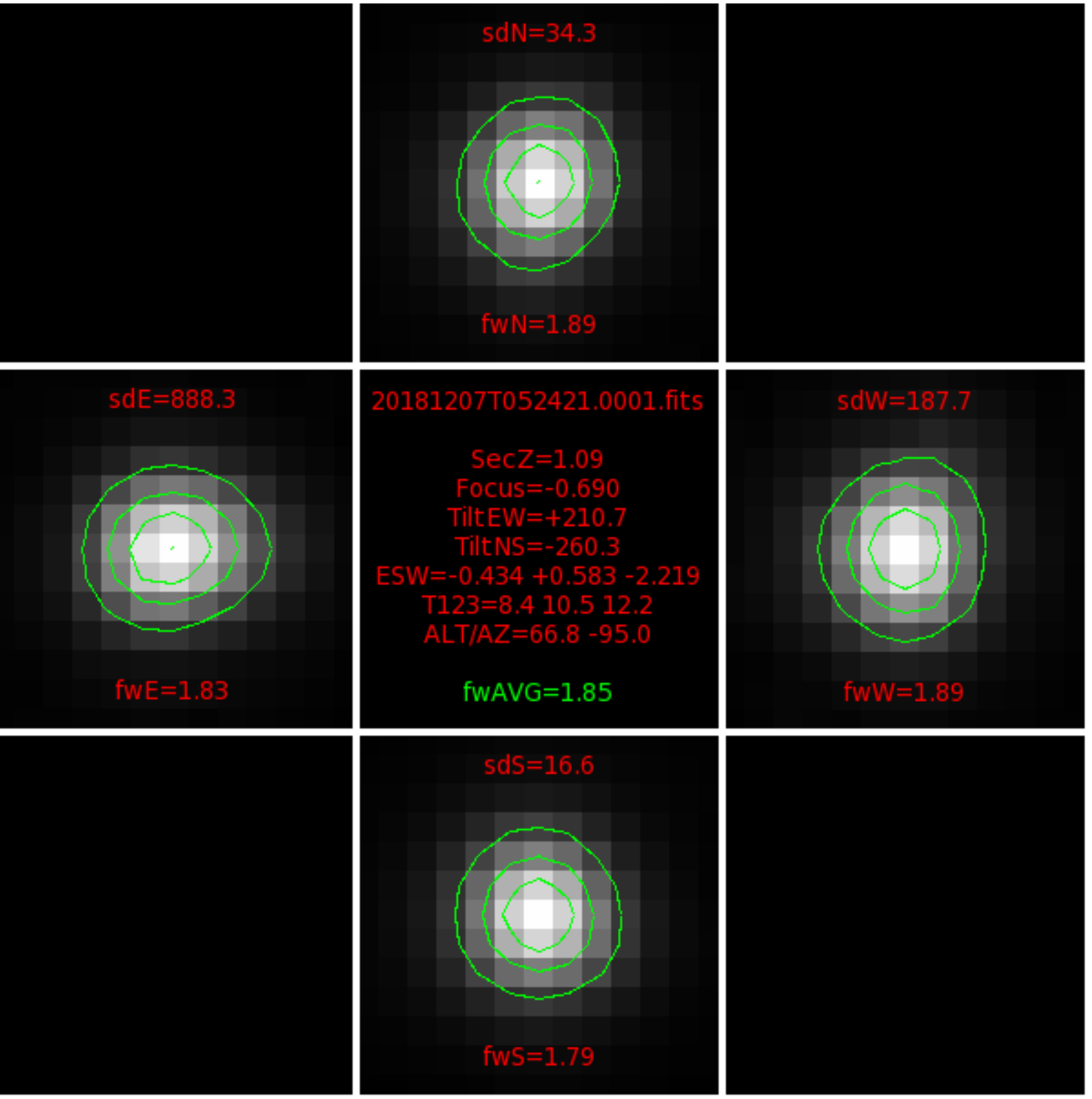
sdN=34.3
fwN=1.89
sdE=888.3
fwE=1.83
20181207T052421.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.4 10.5 12.2
ALT/AZ=66.8 -95.0
fwAVG=1.85
sdW=187.7
fwW=1.89
sdS=16.6
fwS=1.79
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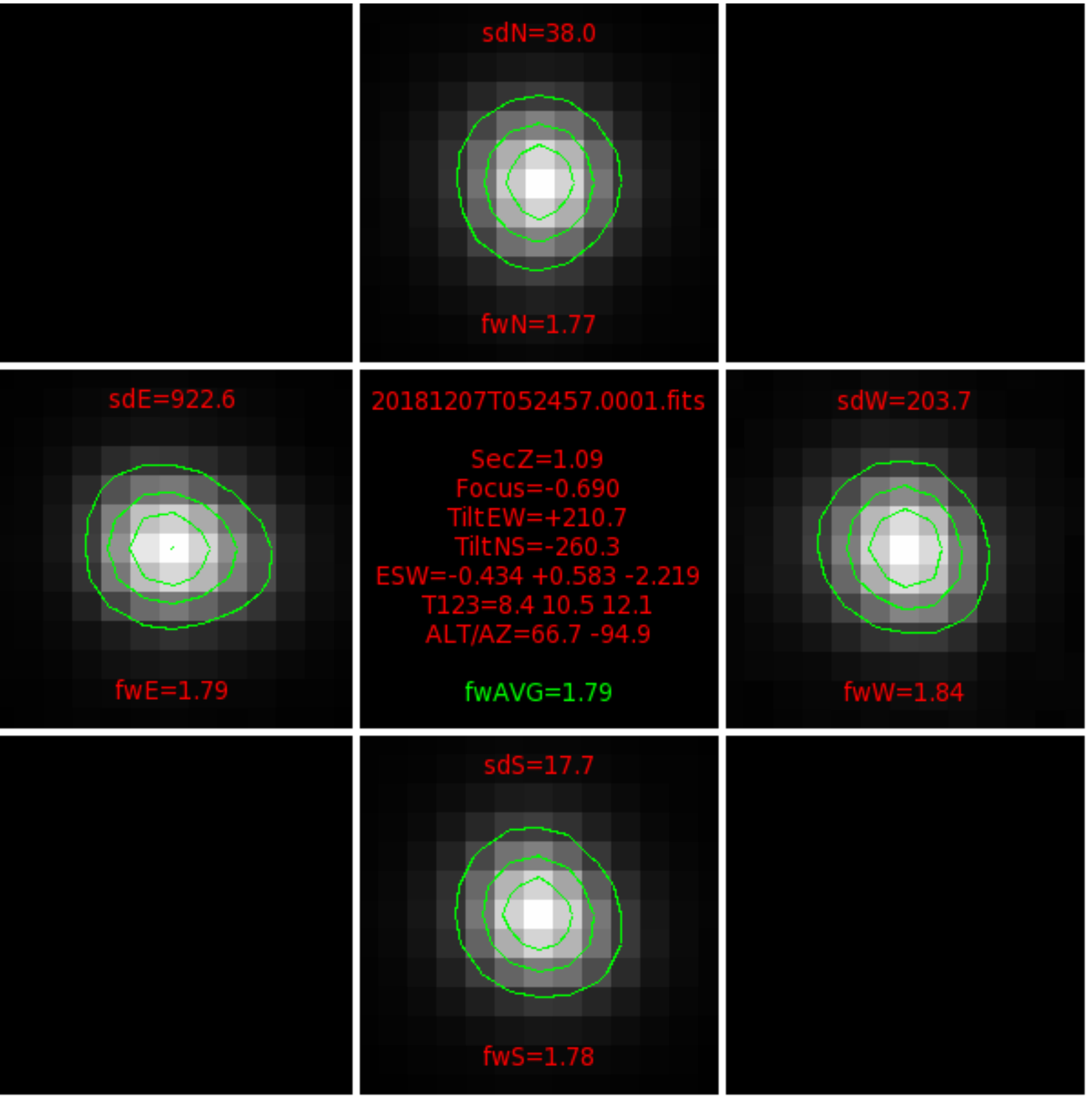
sdN=38.0
fwN=1.77
sdE=922.6
fwE=1.79
20181207T052457.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.4 10.5 12.1
ALT/AZ=66.7 -94.9
fwAVG=1.79
sdW=203.7
fwW=1.84
sdS=17.7
fwS=1.78
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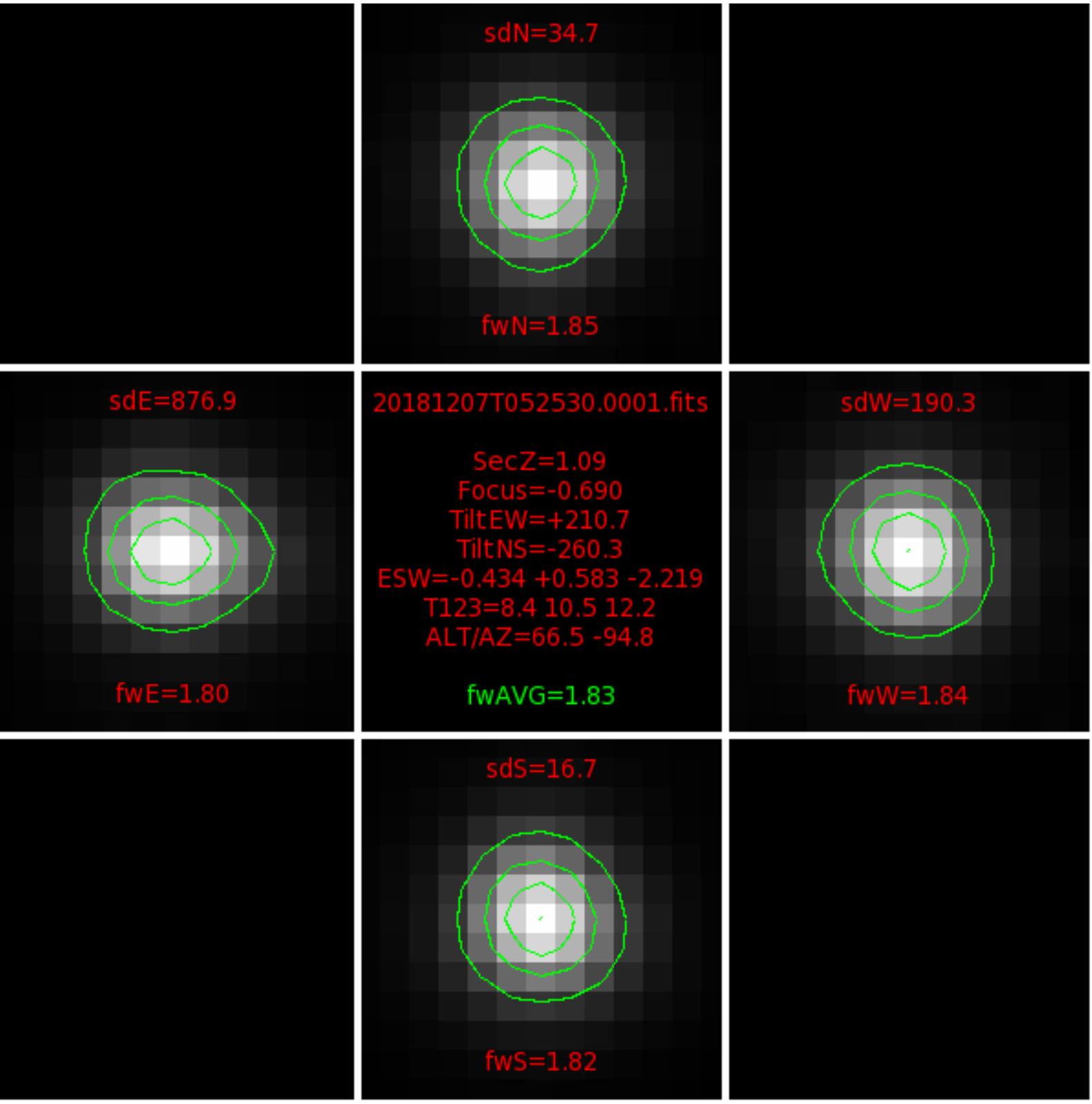
sdN=34.7
fwN=1.85
sdE=876.9
fwE=1.80
20181207T052530.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.4 10.5 12.2
ALT/AZ=66.5 -94.8
fwAVG=1.83
sdW=190.3
fwW=1.84
sdS=16.7
fwS=1.82
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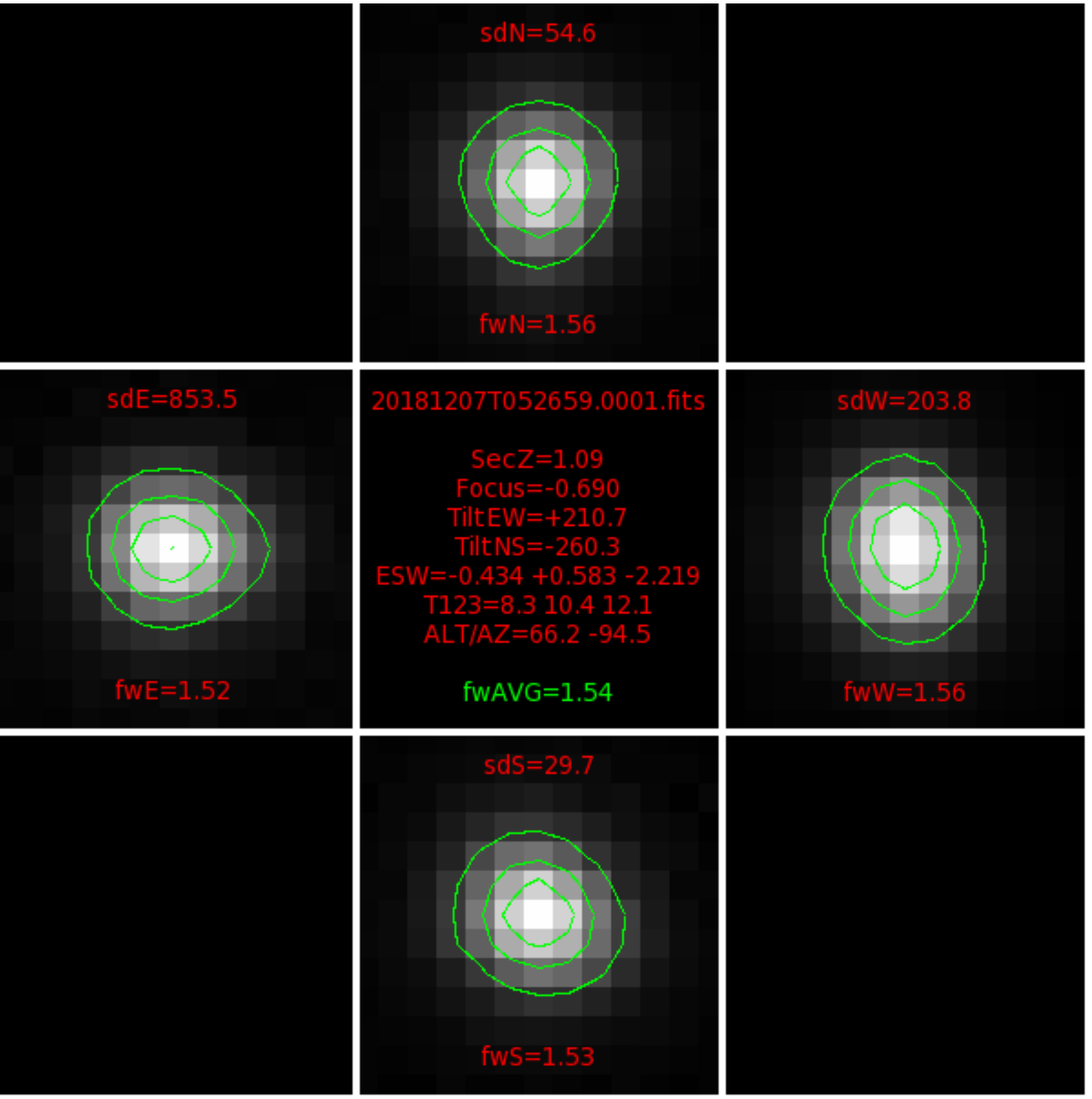
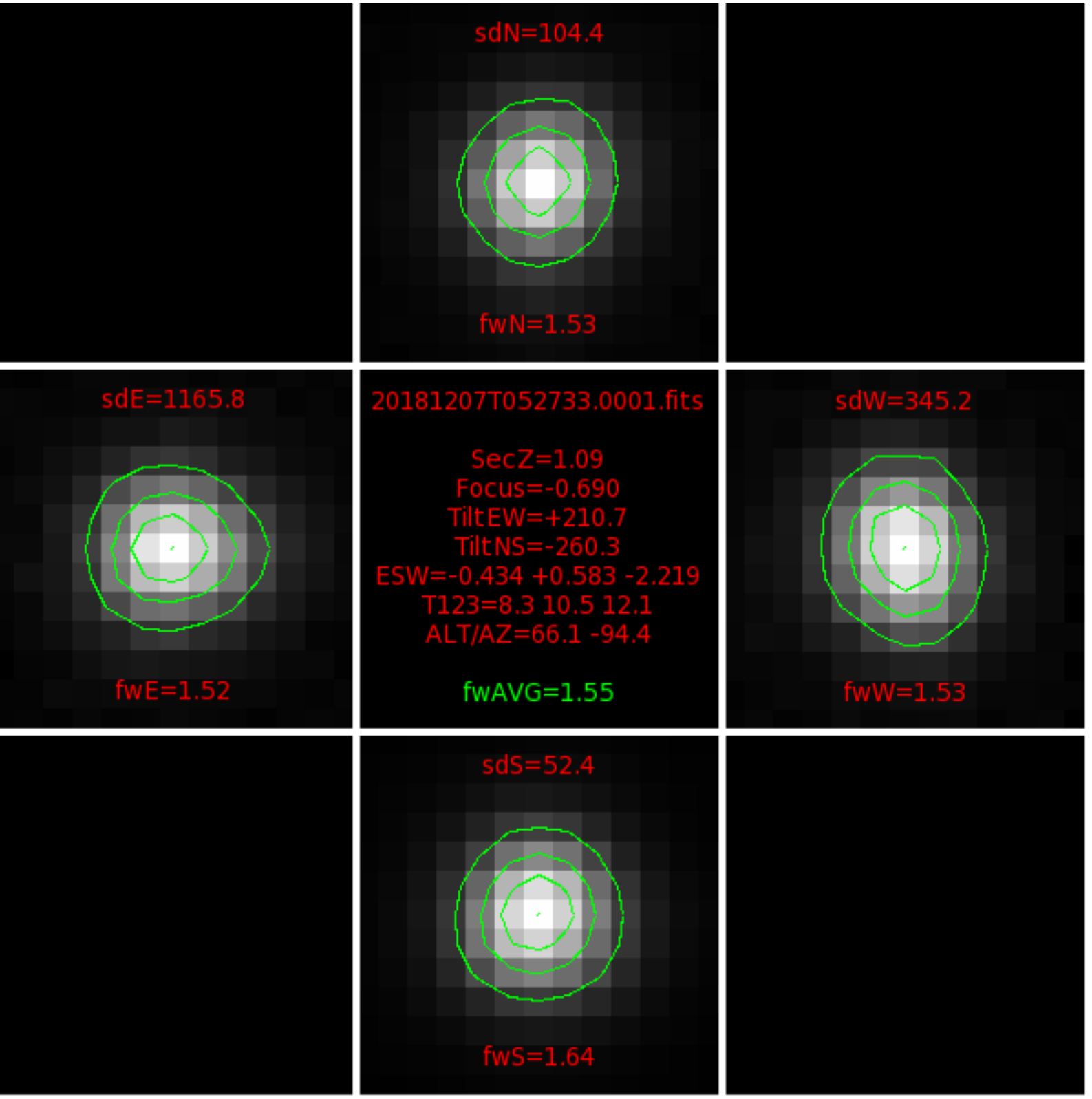

sdN=54.6
fwN=1.56
sdE=853.5
fwE=1.52
20181207T052659.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.3 10.4 12.1
ALT/AZ=66.2 -94.5
fwAVG=1.54
sdW=203.8
fwW=1.56
sdS=29.7
fwS=1.53
0 0 0 0 0 0 0 0 0


sdN=104.4
fwN=1.53
sdE=1165.8
fwE=1.52
20181207T052733.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.3 10.5 12.1
ALT/AZ=66.1 -94.4
fwAVG=1.55
sdW=345.2
fwW=1.53
sdS=52.4
fwS=1.64
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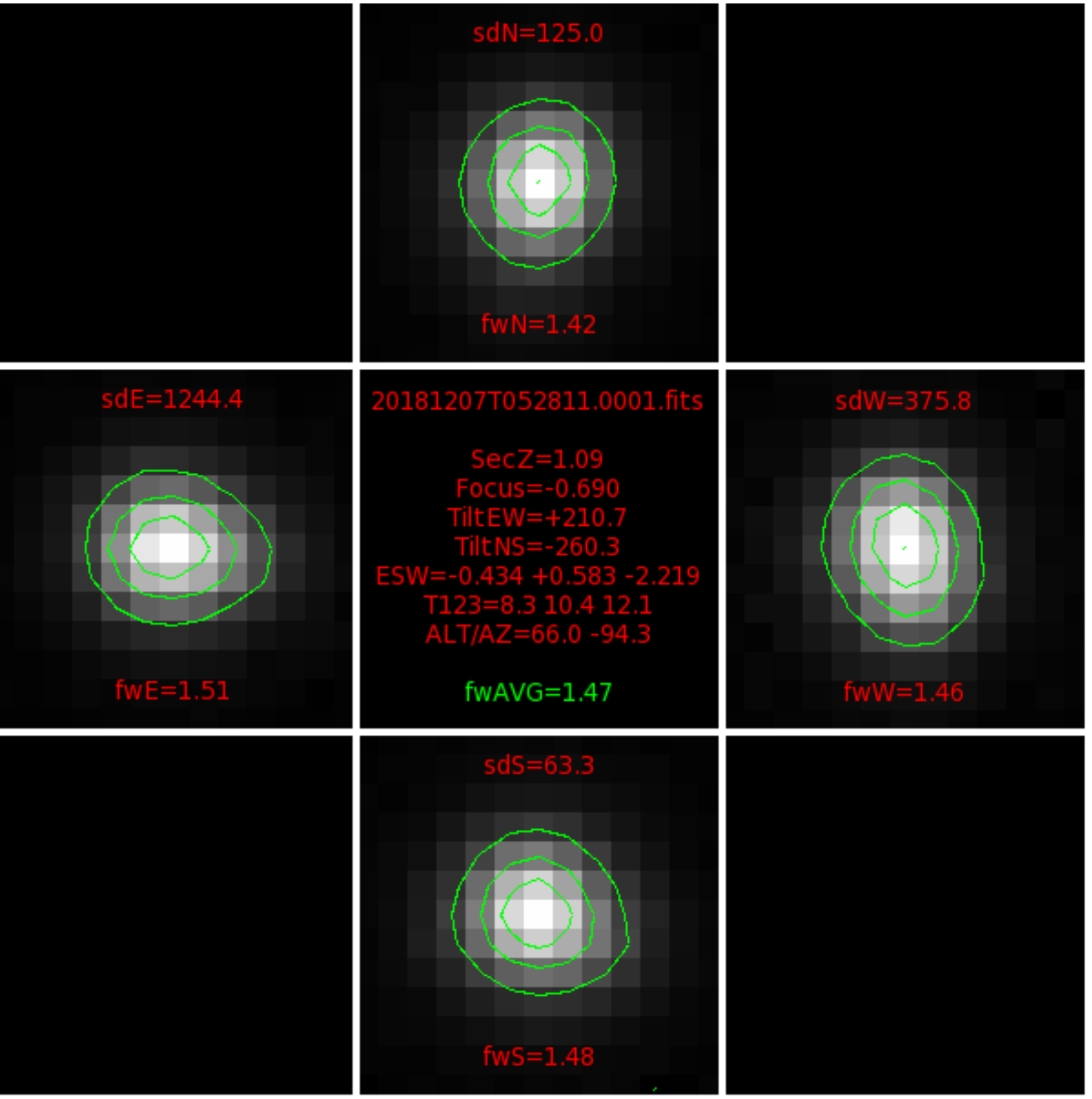
sdN=125.0
fwN=1.42
sdE=1244.4
fwE=1.51
20181207T052811.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.3 10.4 12.1
ALT/AZ=66.0 -94.3
fwAVG=1.47
sdW=375.8
fwW=1.46
sdS=63.3
fwS=1.48
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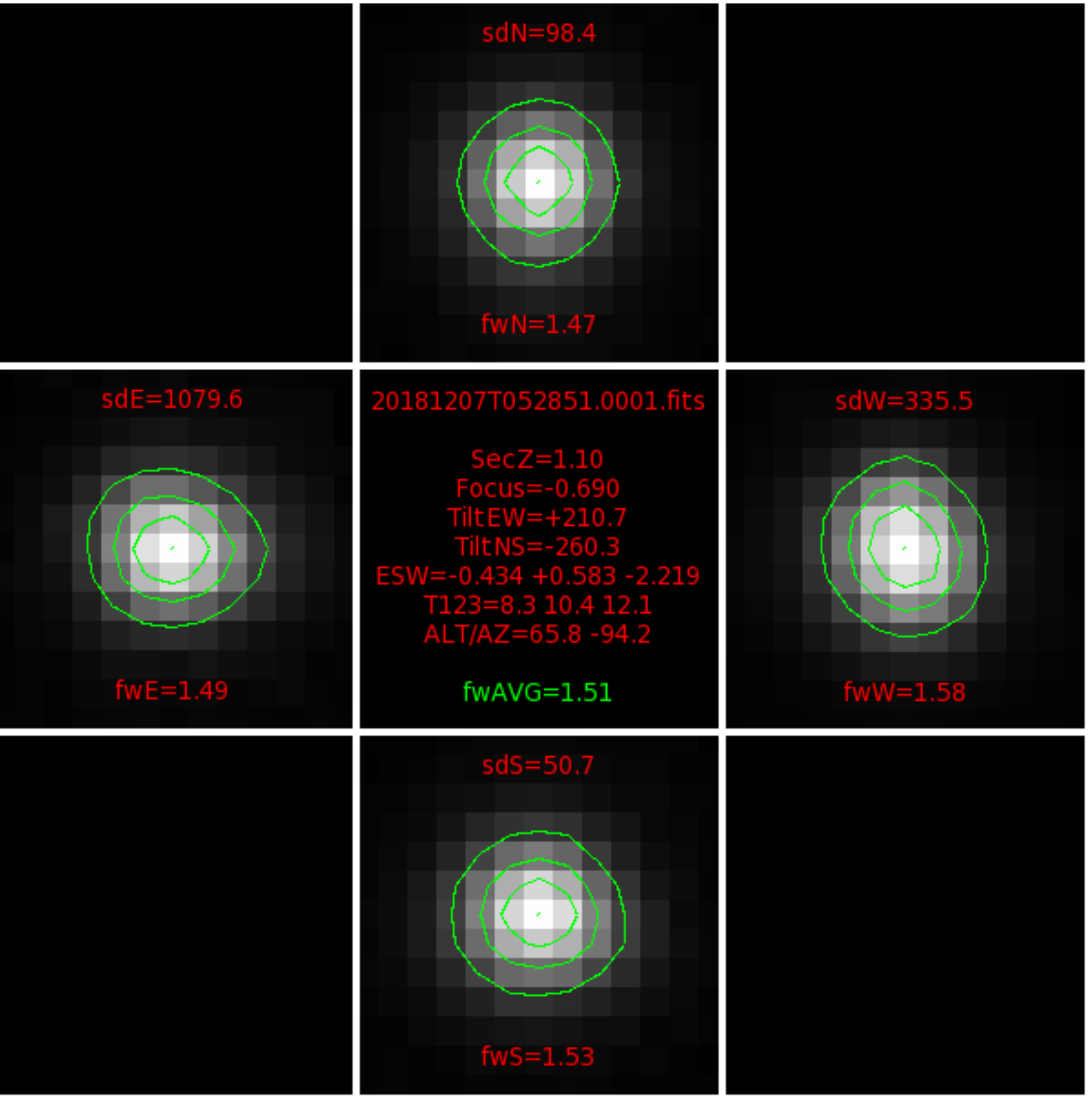
sdN=98.4
fwN=1.47
sdE=1079.6
fwE=1.49
20181207T052851.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.3 10.4 12.1
ALT/AZ=65.8 -94.2
fwAVG=1.51
sdW=335.5
fwW=1.58
sdS=50.7
fwS=1.53
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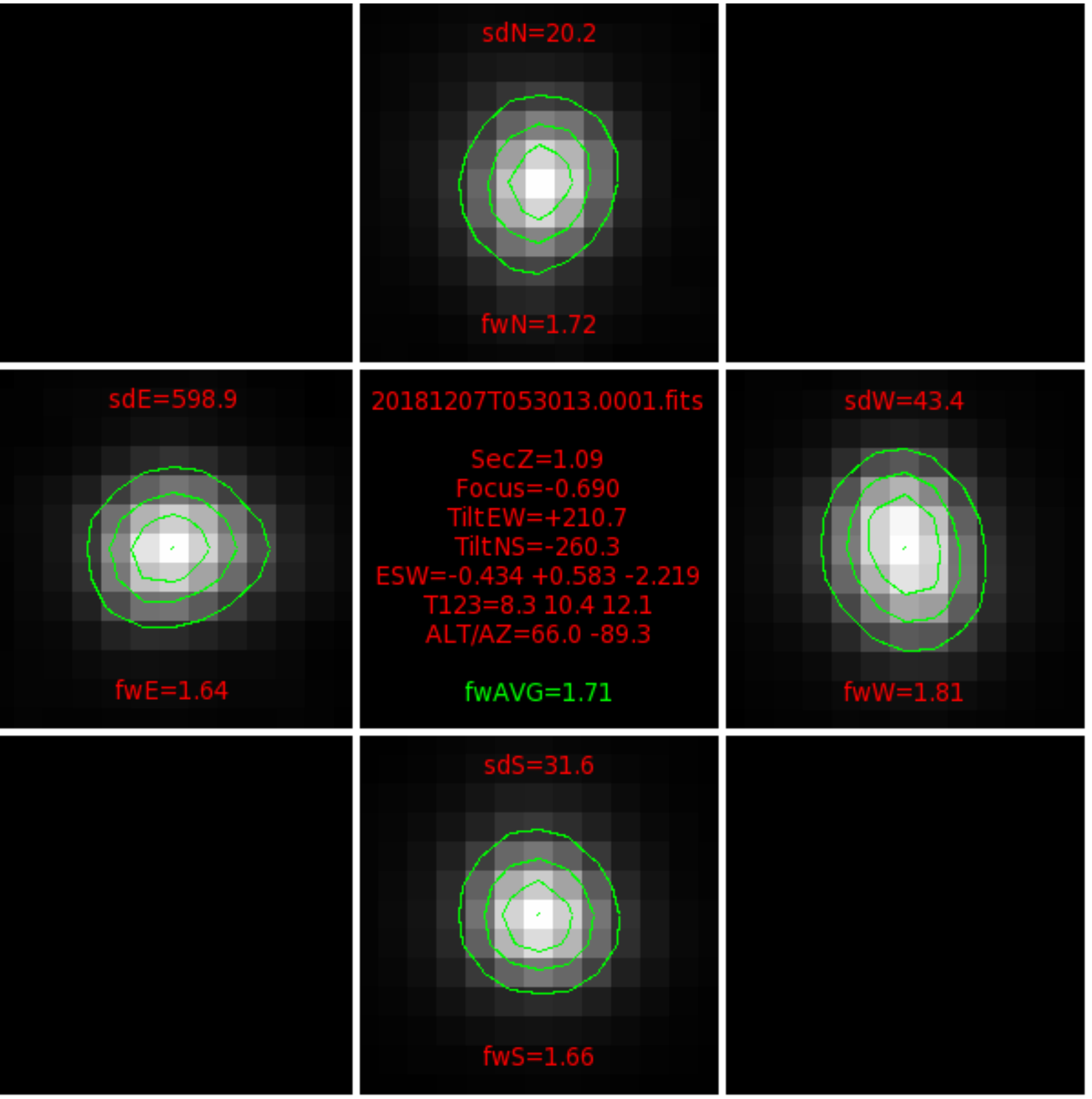
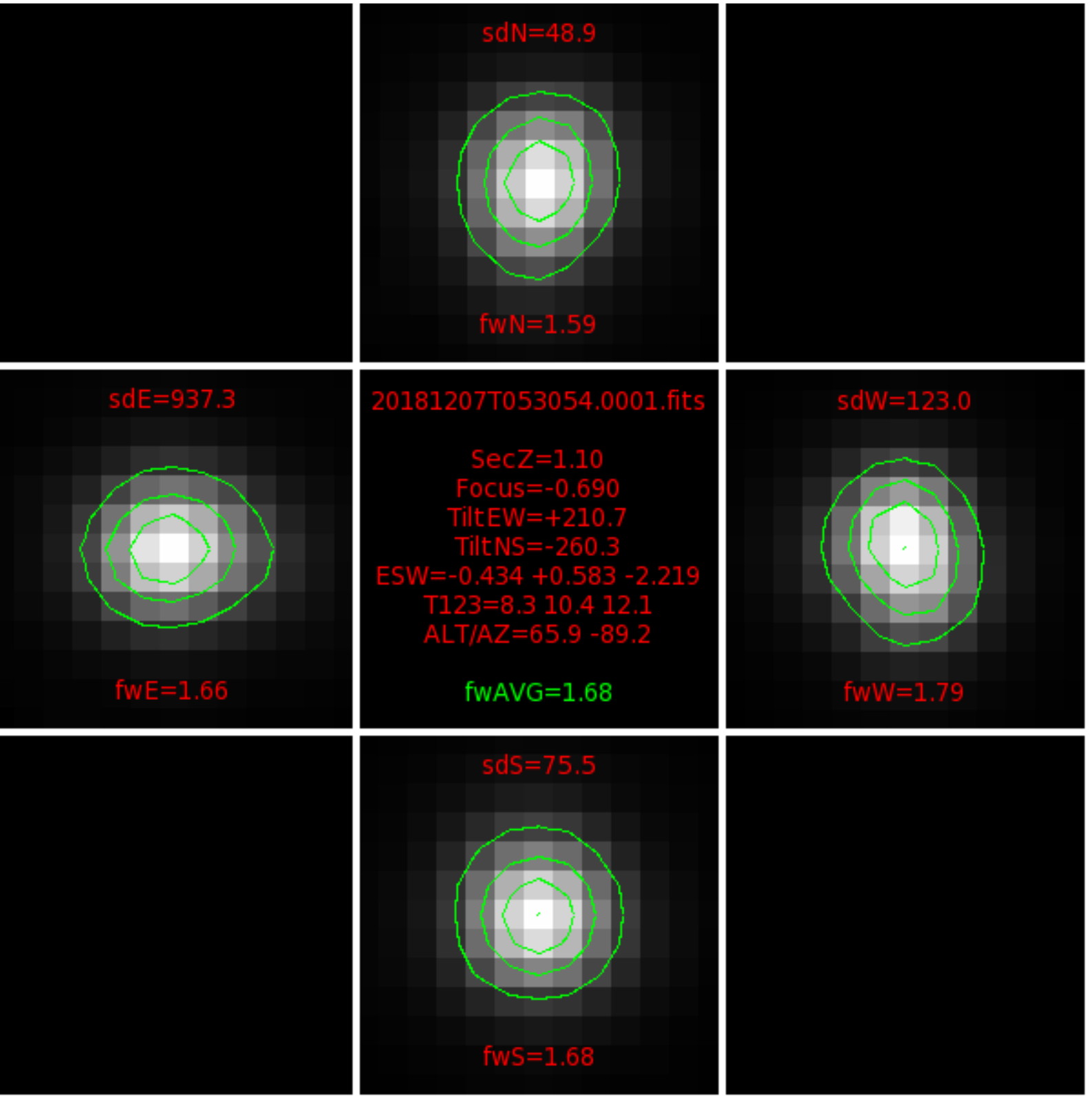

sdN=20.2
fwN=1.72
sdE=598.9
fwE=1.64
20181207T053013.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.3 10.4 12.1
ALT/AZ=66.0 -89.3
fwAVG=1.71
sdW=43.4
fwW=1.81
sdS=31.6
fwS=1.66
0 0 0 0 0 0 0 0 0


sdN=48.9
fwN=1.59
sdE=937.3
fwE=1.66
20181207T053054.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.3 10.4 12.1
ALT/AZ=65.9 -89.2
fwAVG=1.68
sdW=123.0
fwW=1.79
sdS=75.5
fwS=1.68
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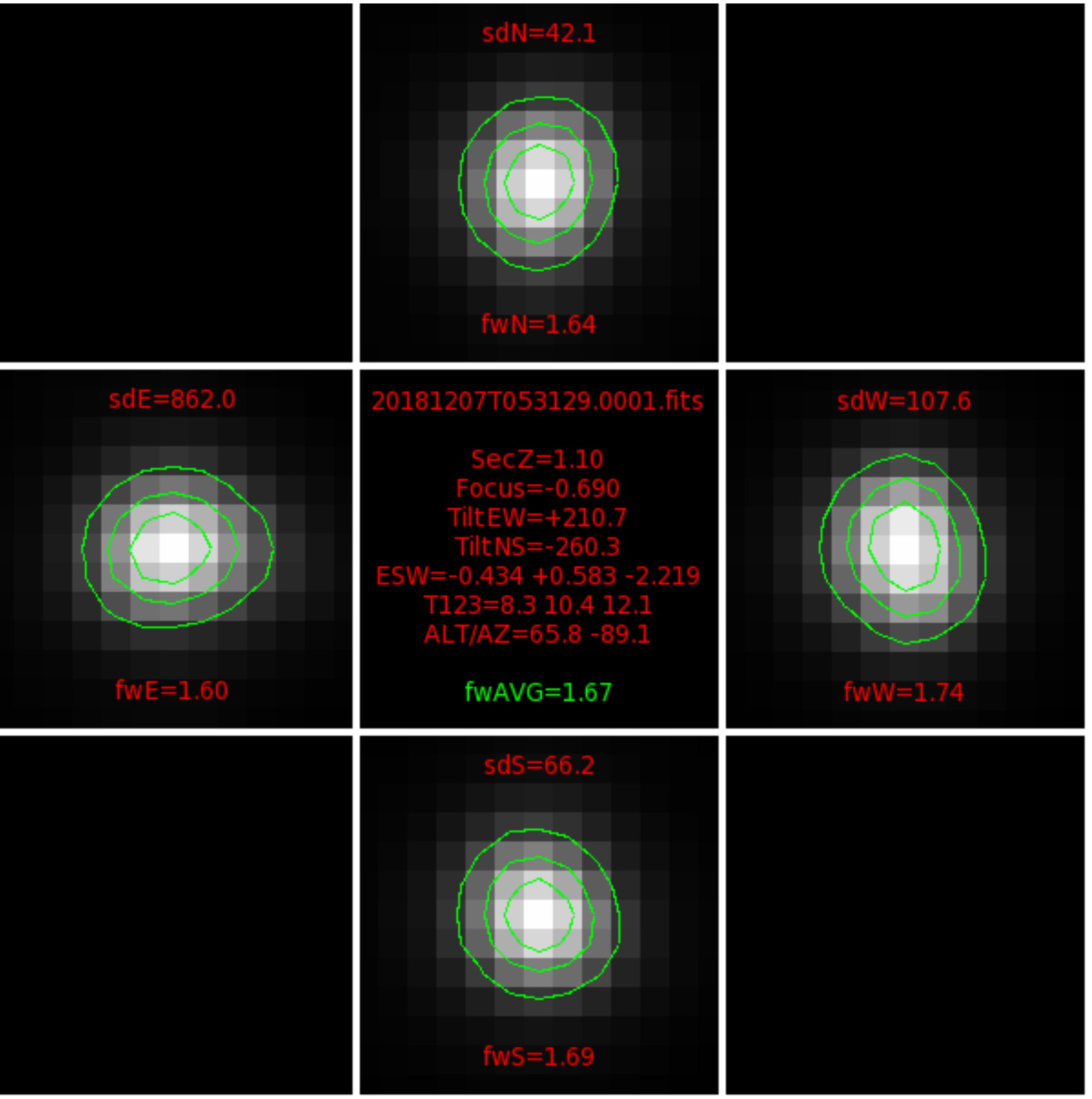
sdN=42.1
fwN=1.64
sdE=862.0
fwE=1.60
20181207T053129.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.3 10.4 12.1
ALT/AZ=65.8 -89.1
fwAVG=1.67
sdW=107.6
fwW=1.74
sdS=66.2
fwS=1.69
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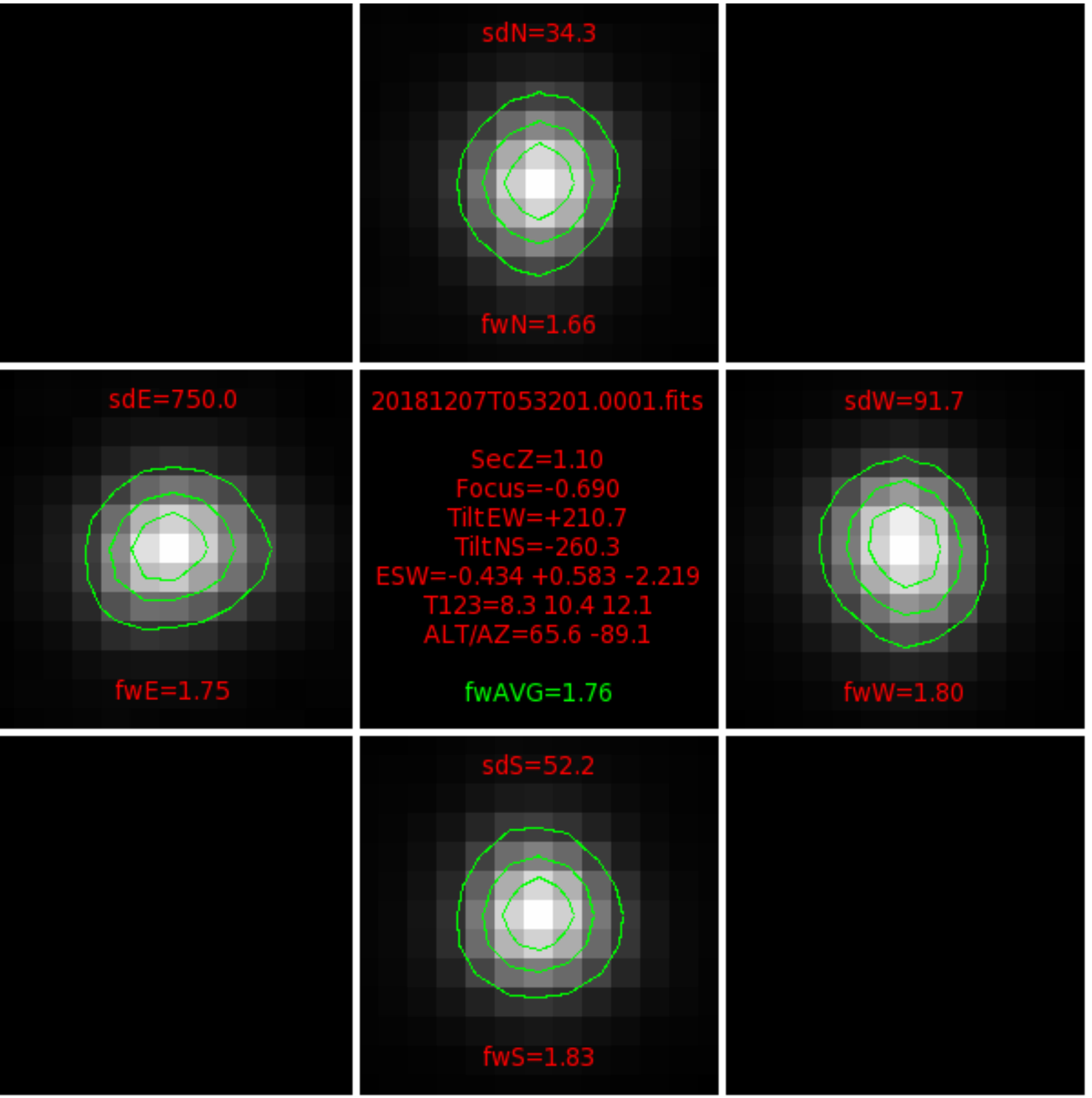
sdN=34.3
fwN=1.66
sdE=750.0
fwE=1.75
20181207T053201.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.3 10.4 12.1
ALT/AZ=65.6 -89.1
fwAVG=1.76
sdW=91.7
fwW=1.80
sdS=52.2
fwS=1.83
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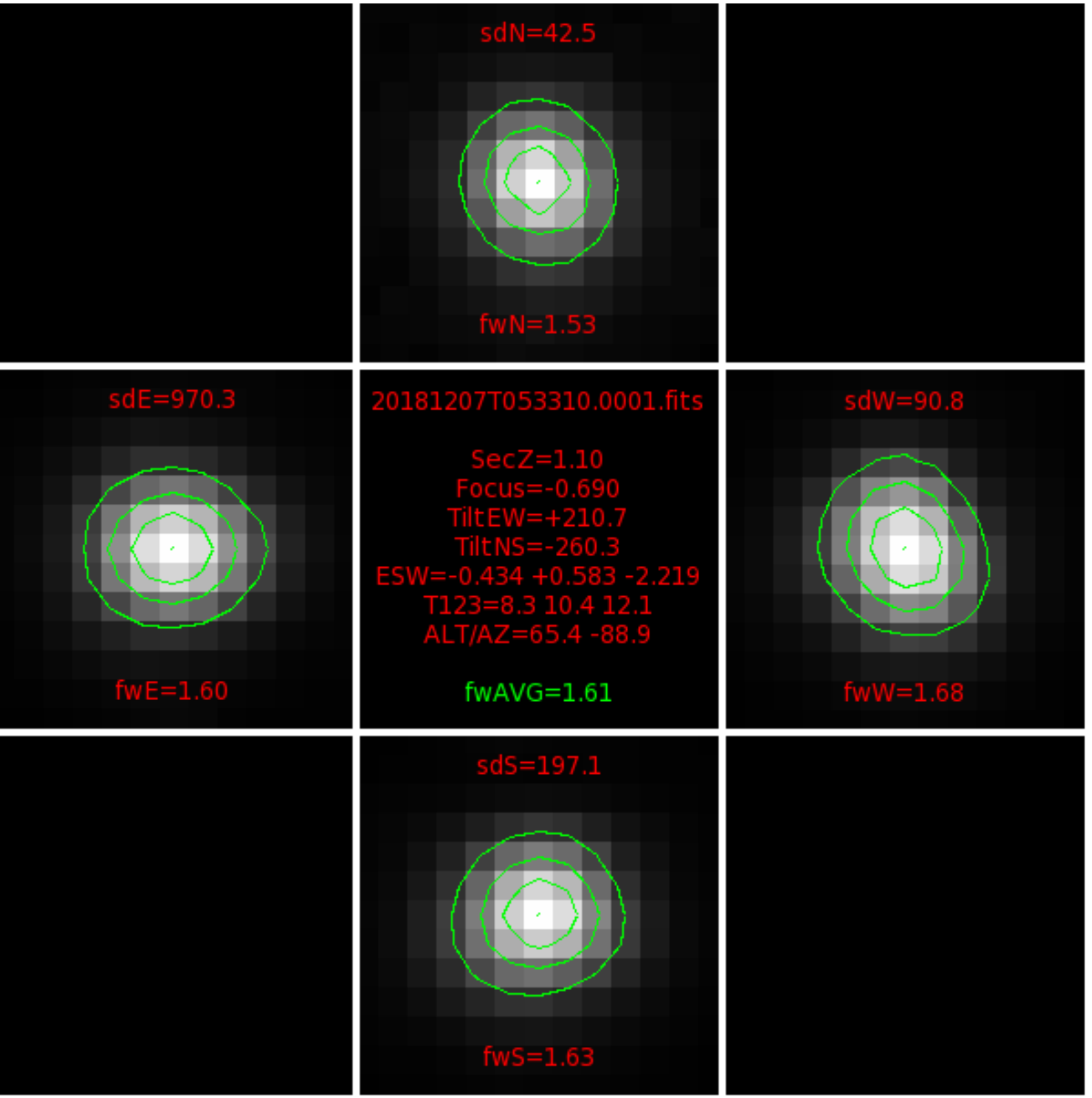
sdN=42.5
fwN=1.53
sdE=970.3
fwE=1.60
20181207T053310.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.3 10.4 12.1
ALT/AZ=65.4 -88.9
fwAVG=1.61
sdW=90.8
fwW=1.68
sdS=197.1
fwS=1.63
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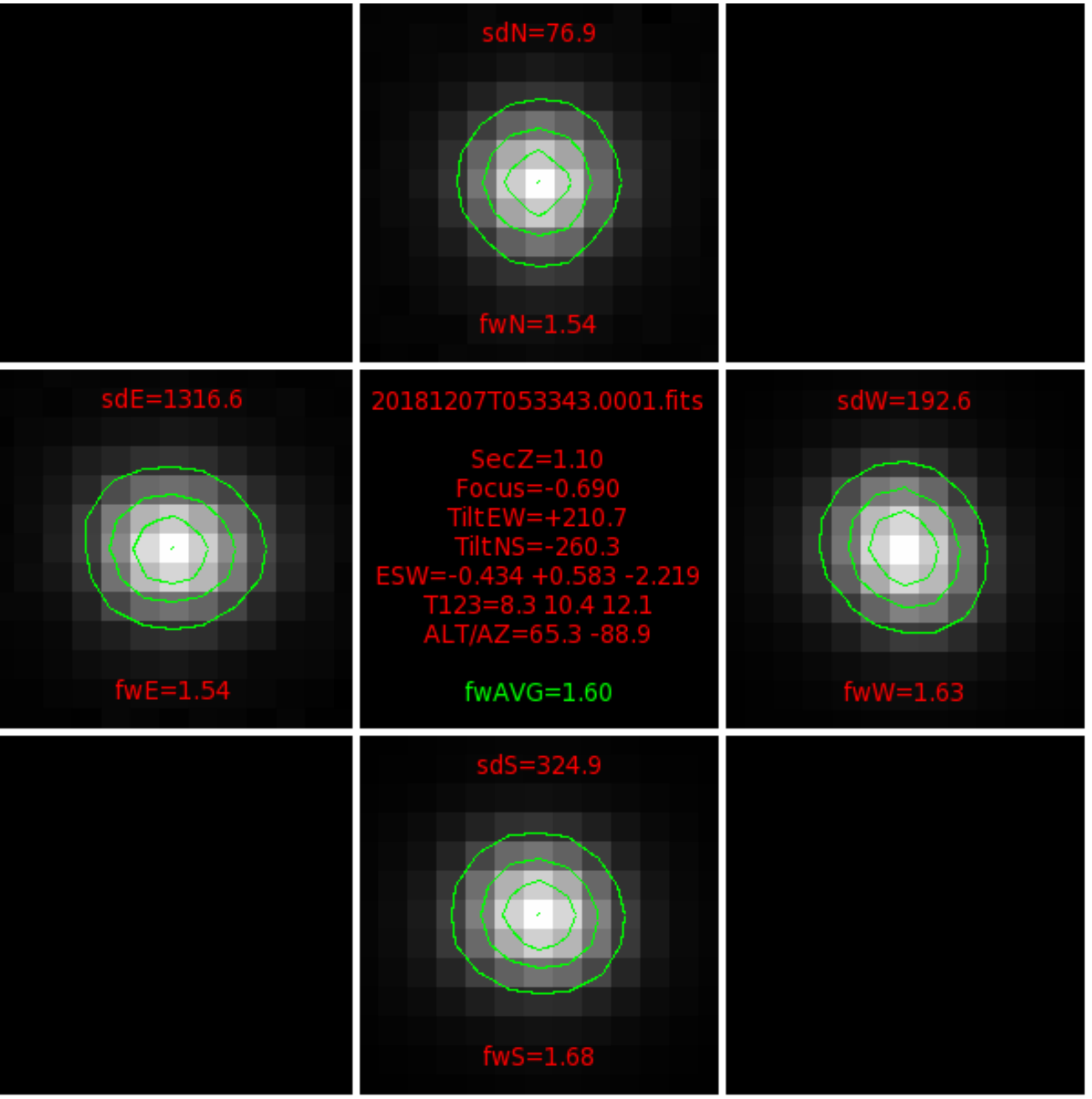
sdN=76.9
fwN=1.54
sdE=1316.6
fwE=1.54
20181207T053343.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.3 10.4 12.1
ALT/AZ=65.3 -88.9
fwAVG=1.60
sdW=192.6
fwW=1.63
sdS=324.9
fwS=1.68
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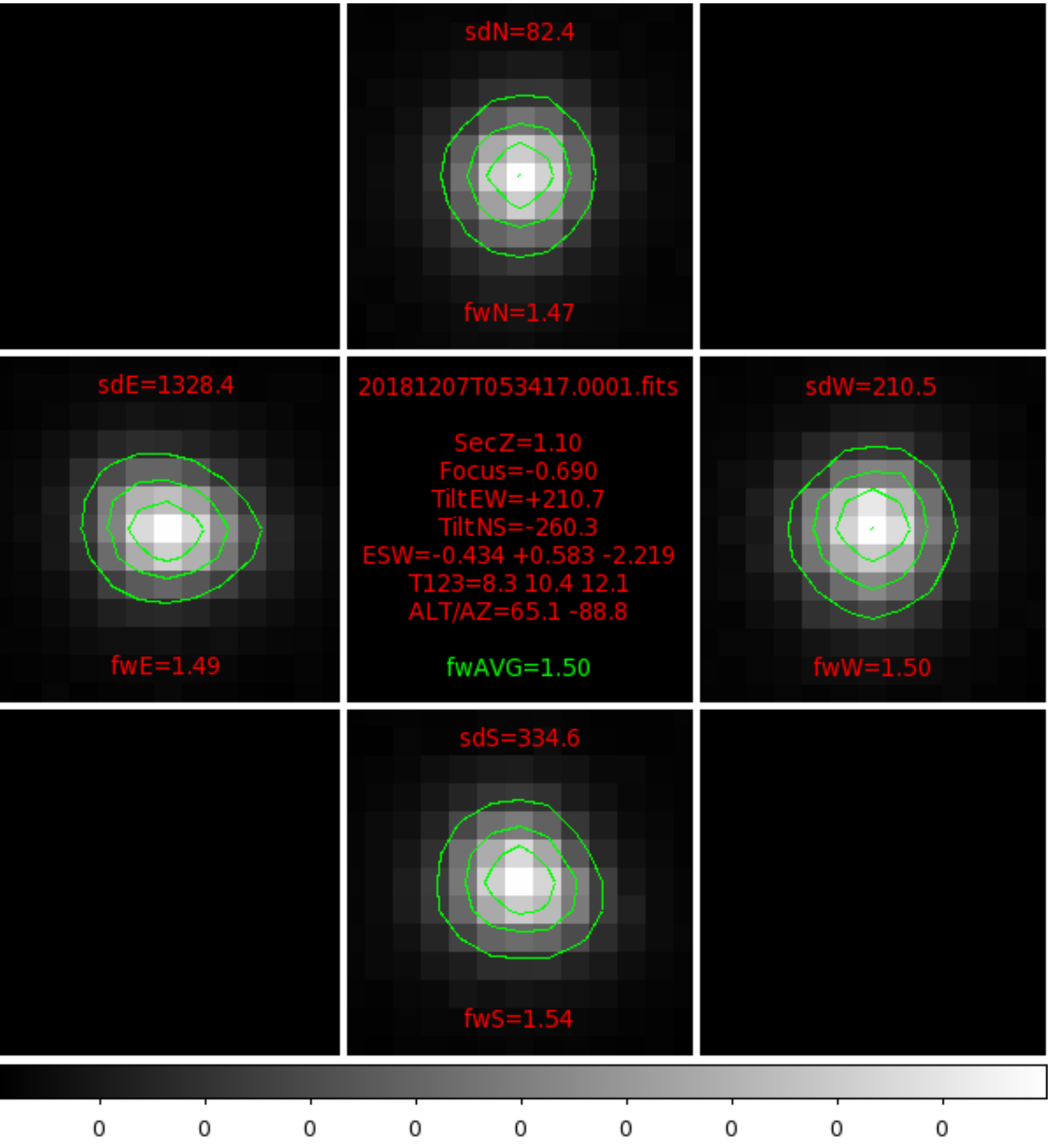
sdN=82.4
fwN=1.47
sdE=1328.4
fwE=1.49
20181207T053417.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.3 10.4 12.1
ALT/AZ=65.1 -88.8
fwAVG=1.50
sdW=210.5
fwW=1.50
sdS=334.6
fwS=1.54
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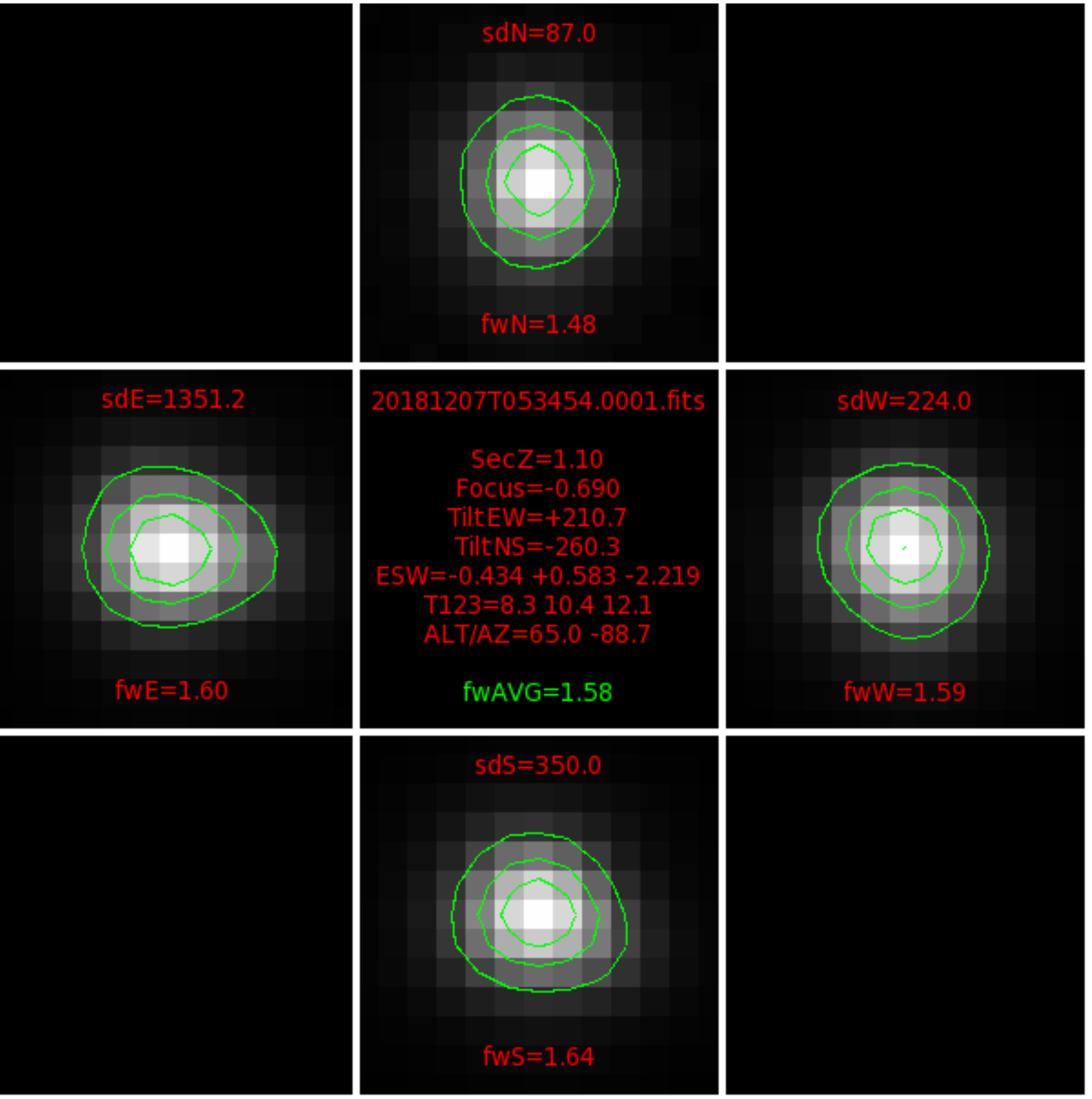
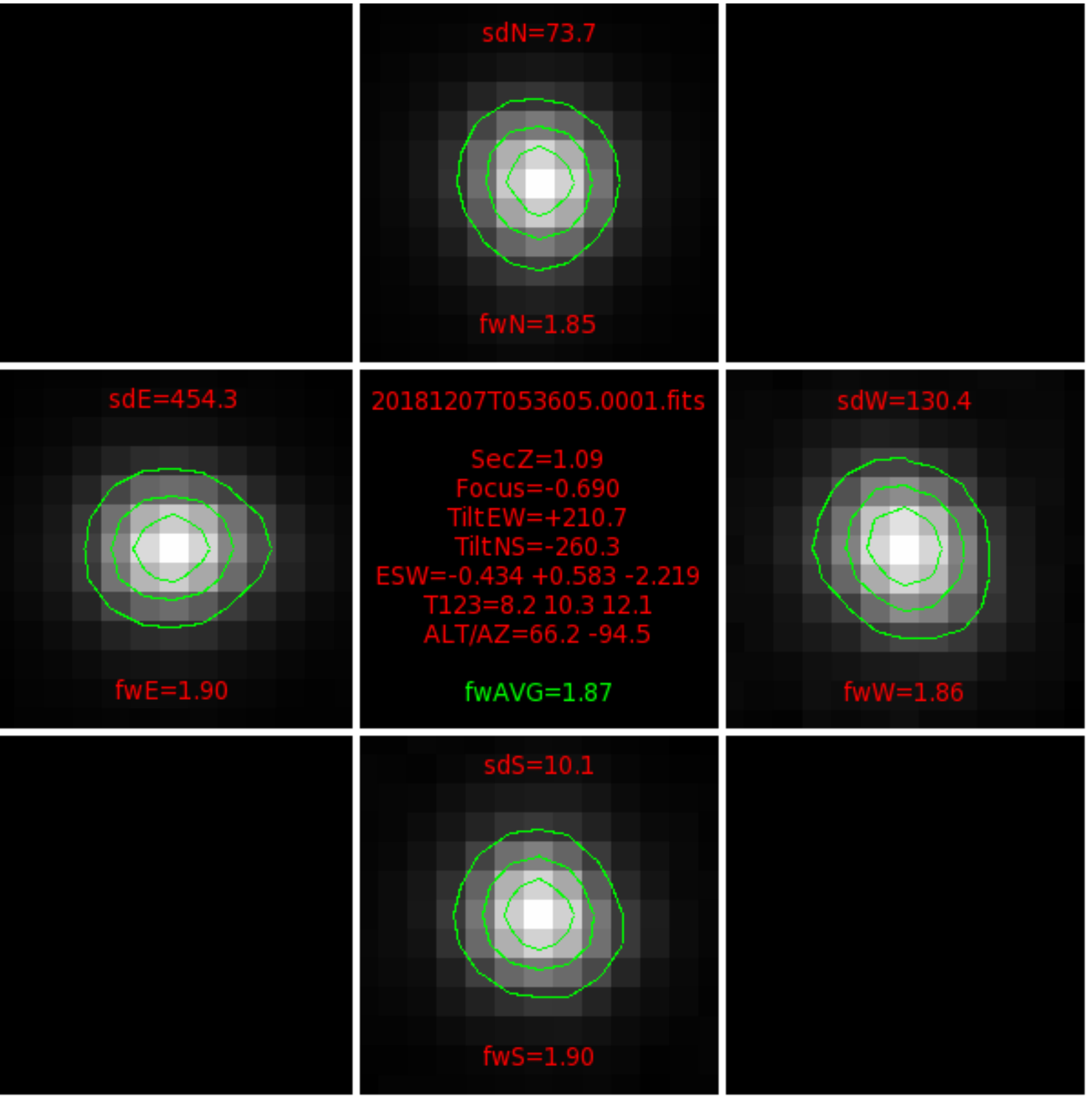
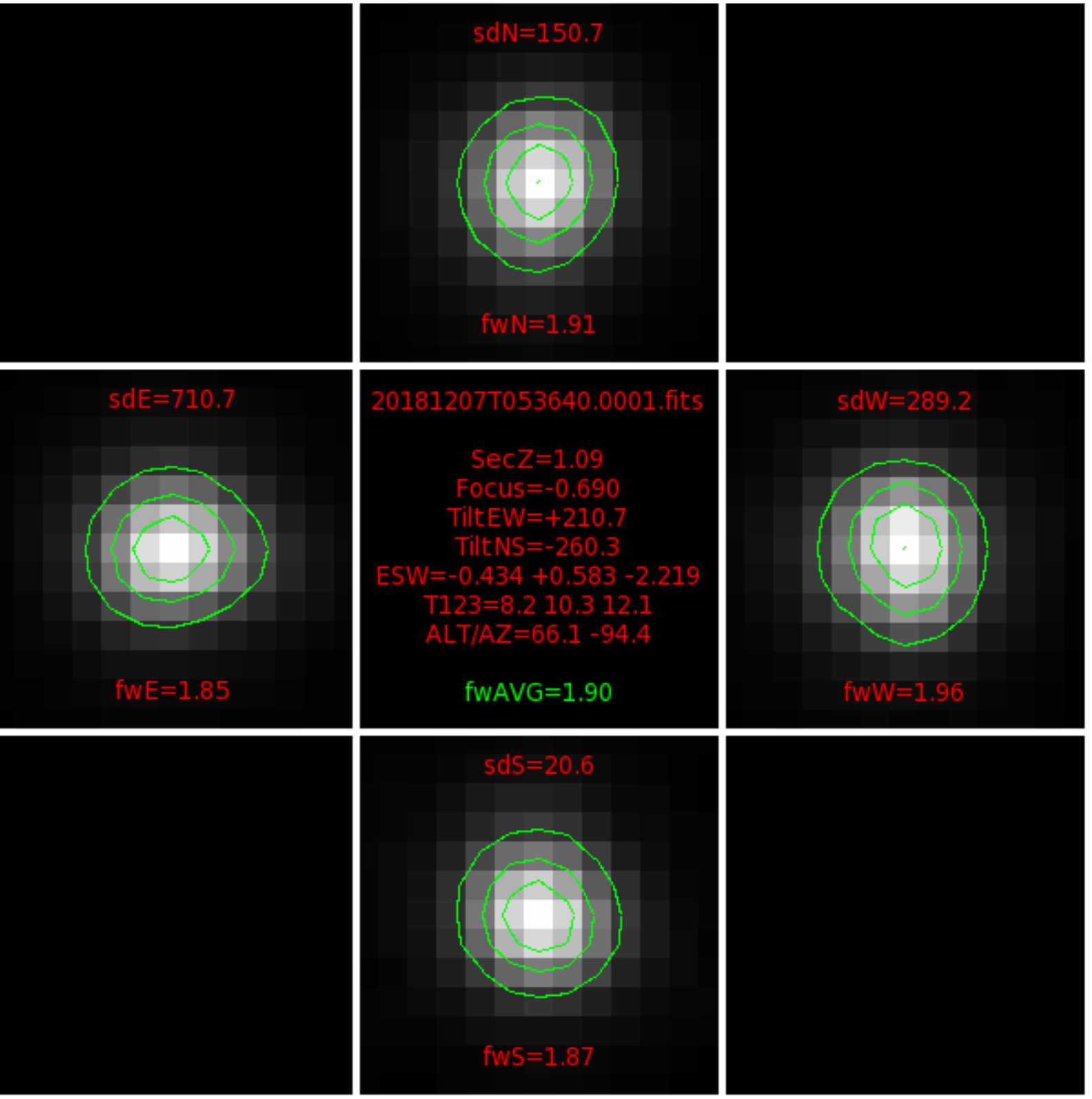

sdN=87.0
fwN=1.48
sdE=1351.2
fwE=1.60
20181207T053454.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.3 10.4 12.1
ALT/AZ=65.0 -88.7
fwAVG=1.58
sdW=224.0
fwW=1.59
sdS=350.0
fwS=1.64
0 0 0 0 0 0 0 0 0


sdN=73.7
fwN=1.85
sdE=454.3
fwE=1.90
20181207T053605.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.2 10.3 12.1
ALT/AZ=66.2 -94.5
fwAVG=1.87
sdW=130.4
fwW=1.86
sdS=10.1
fwS=1.90
0 0 0 0 0 0 0 0 0


sdN=150.7
fwN=1.91
sdE=710.7
fwE=1.85
20181207T053640.0001.fits
SecZ=1.09
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.2 10.3 12.1
ALT/AZ=66.1 -94.4
fwAVG=1.90
sdW=289.2
fwW=1.96
sdS=20.6
fwS=1.87
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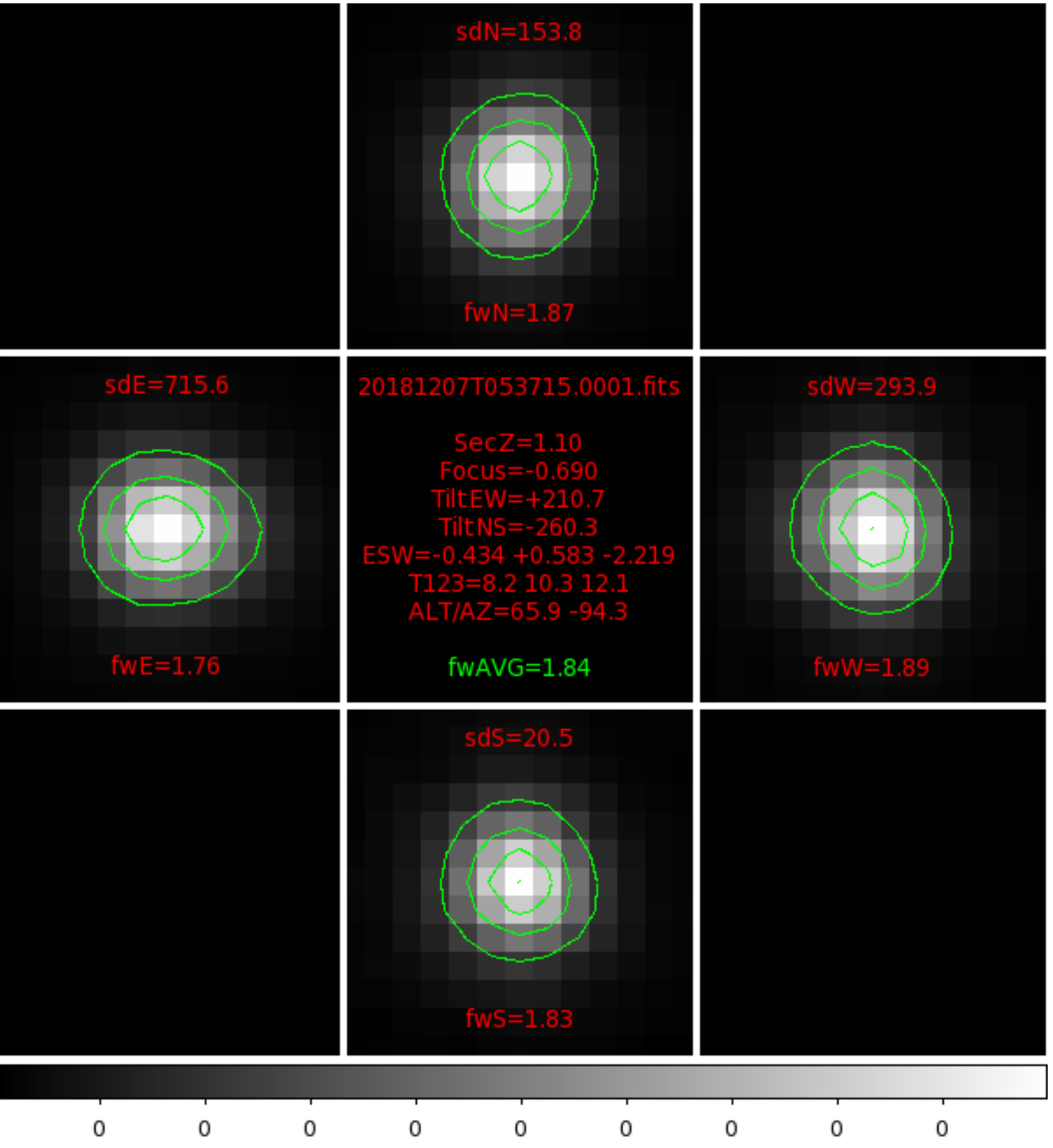
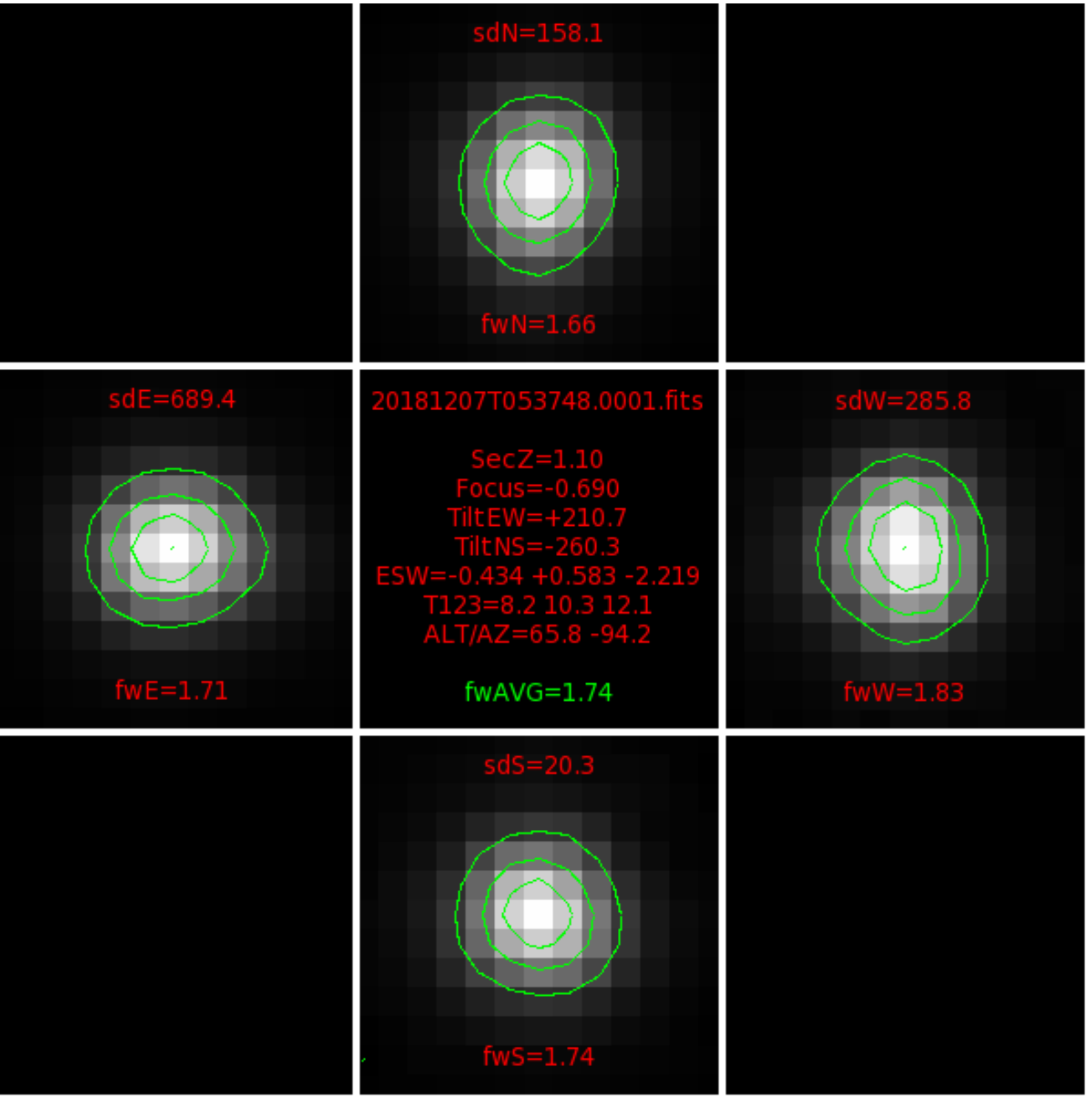

sdN=153.8
fwN=1.87
sdE=715.6
fwE=1.76
20181207T053715.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.2 10.3 12.1
ALT/AZ=65.9 -94.3
fwAVG=1.84
sdW=293.9
fwW=1.89
sdS=20.5
fwS=1.83
0 0 0 0 0 0 0 0 0


sdN=158.1
fwN=1.66
sdE=689.4
fwE=1.71
20181207T053748.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.2 10.3 12.1
ALT/AZ=65.8 -94.2
fwAVG=1.74
sdW=285.8
fwW=1.83
sdS=20.3
fwS=1.74
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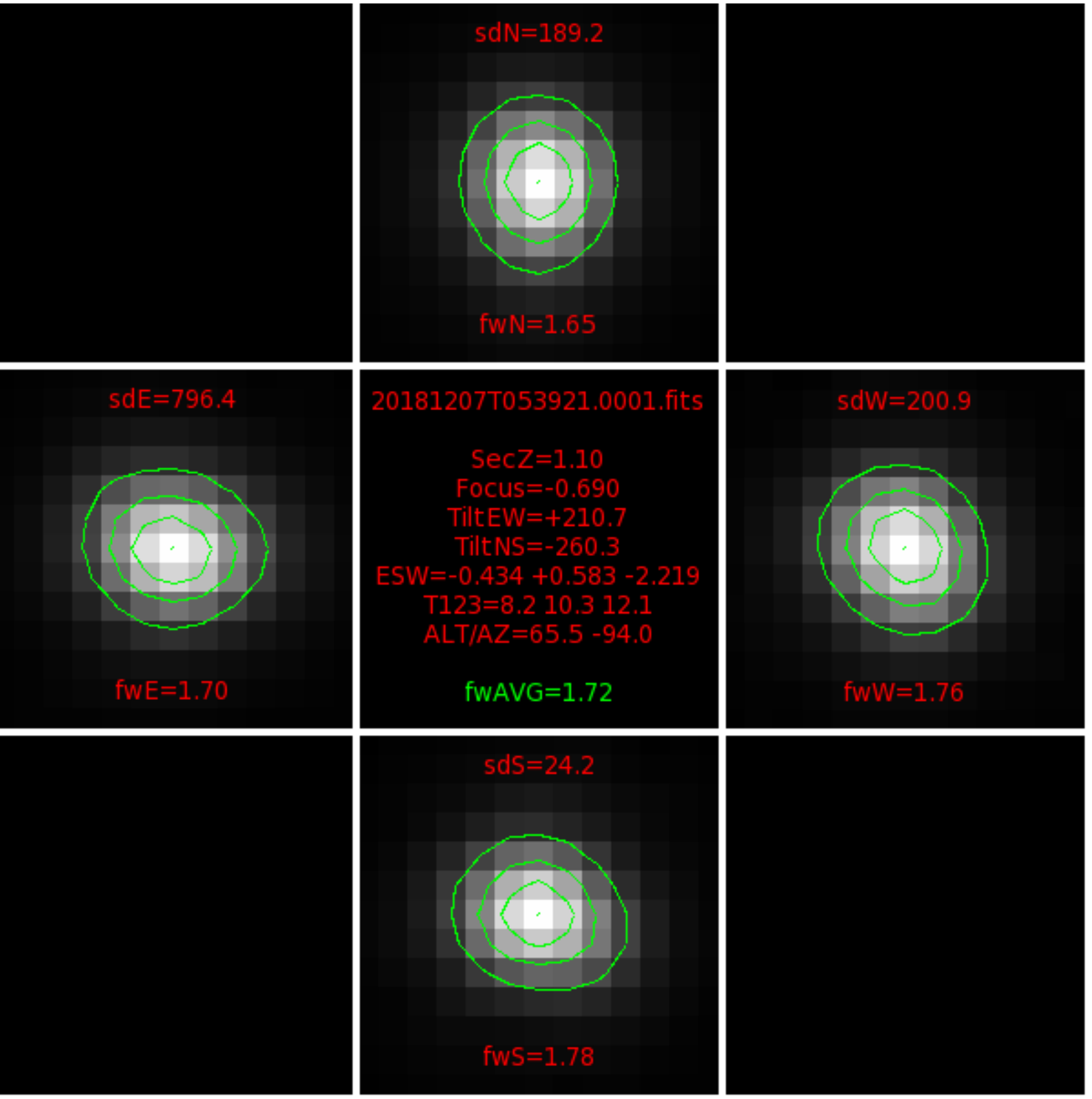
sdN=189.2
fwN=1.65
sdE=796.4
fwE=1.70
20181207T053921.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.2 10.3 12.1
ALT/AZ=65.5 -94.0
fwAVG=1.72
sdW=200.9
fwW=1.76
sdS=24.2
fwS=1.78
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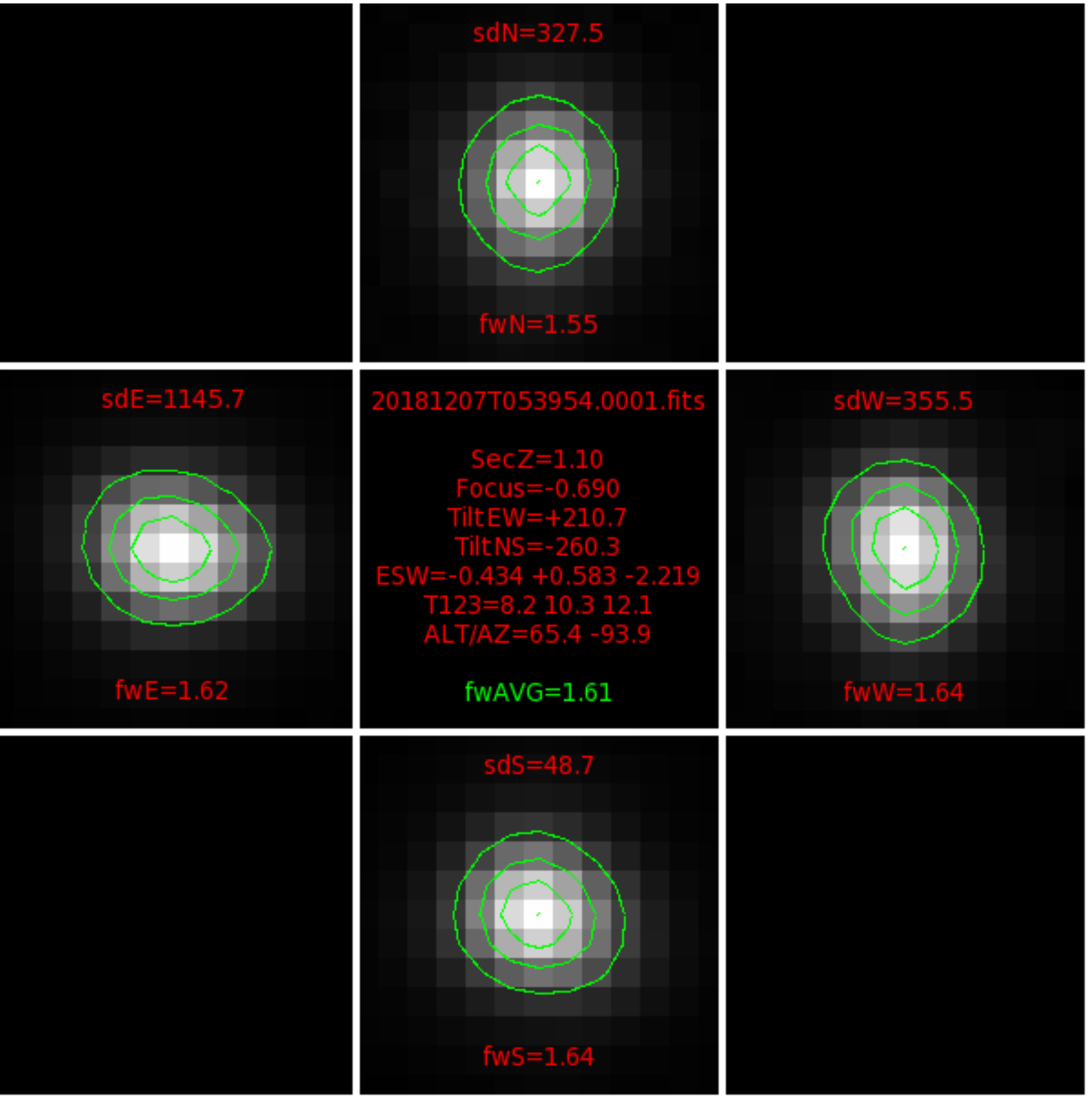
sdN=327.5
fwN=1.55
sdE=1145.7
fwE=1.62
20181207T053954.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.2 10.3 12.1
ALT/AZ=65.4 -93.9
fwAVG=1.61
sdW=355.5
fwW=1.64
sdS=48.7
fwS=1.64
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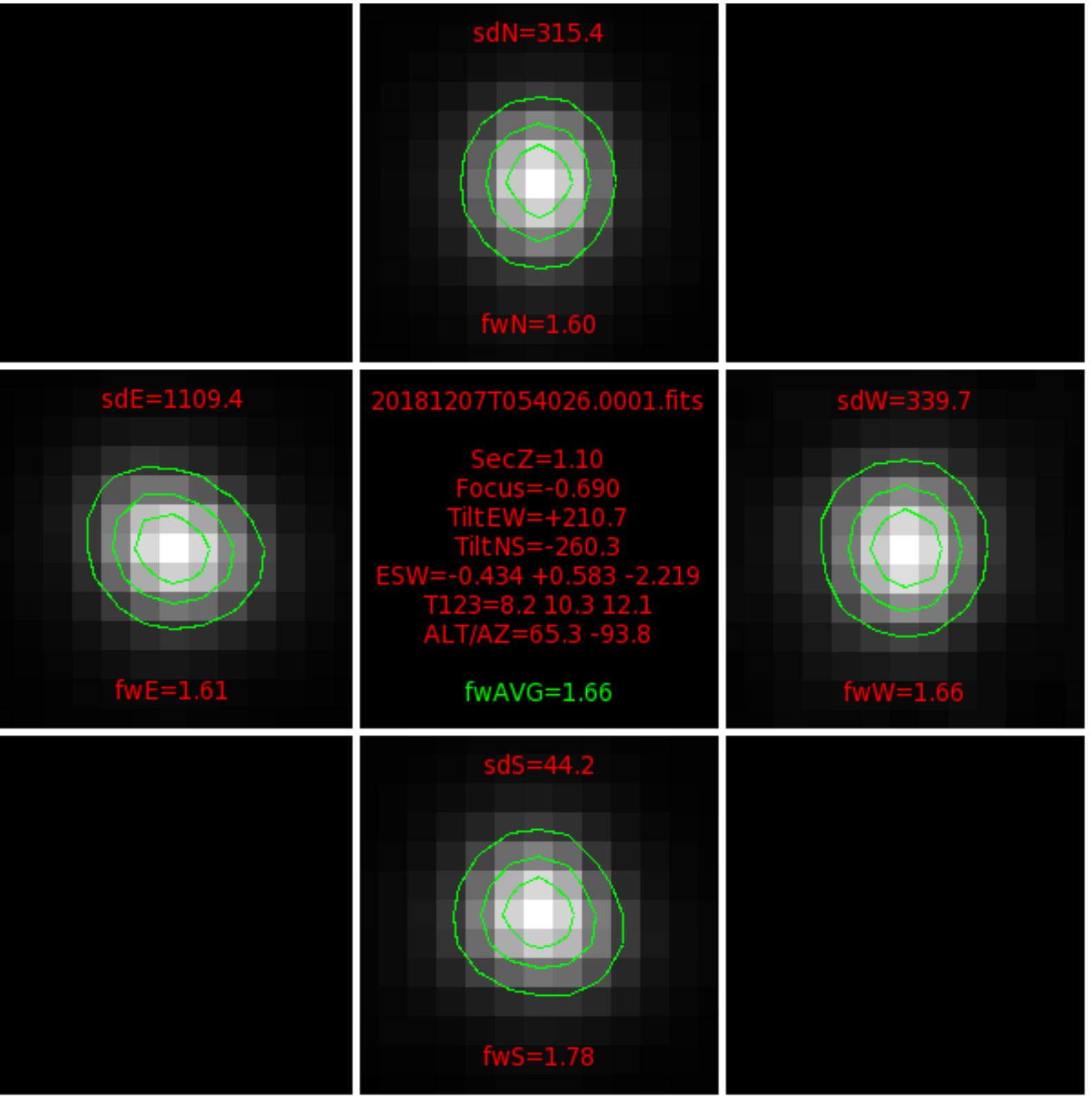
sdN=315.4
fwN=1.60
sdE=1109.4
fwE=1.61
20181207T054026.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.2 10.3 12.1
ALT/AZ=65.3 -93.8
fwAVG=1.66
sdW=339.7
fwW=1.66
sdS=44.2
fwS=1.78
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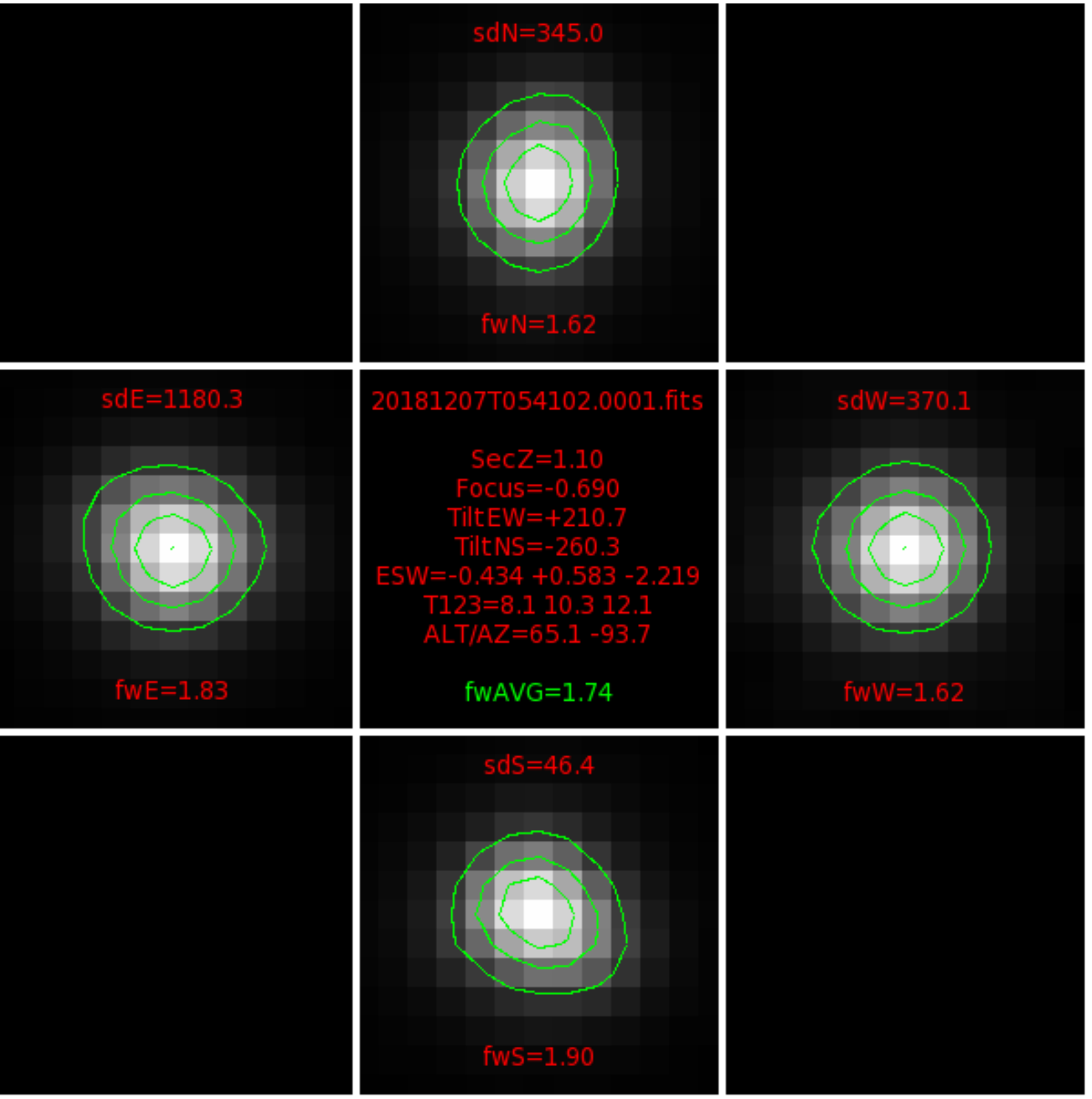
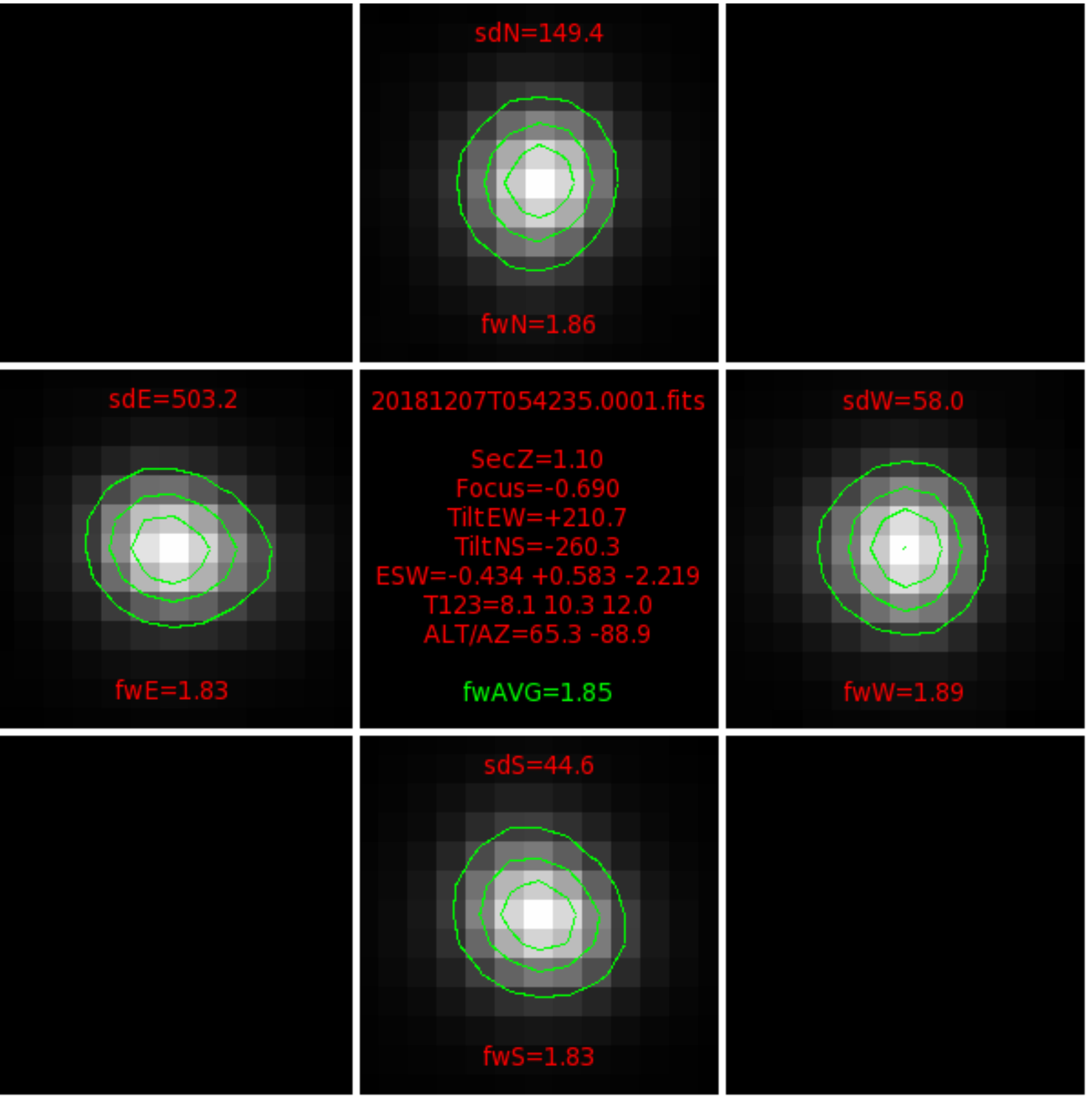

sdN=345.0
fwN=1.62
sdE=1180.3
fwE=1.83
20181207T054102.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.3 12.1
ALT/AZ=65.1 -93.7
fwAVG=1.74
sdW=370.1
fwW=1.62
sdS=46.4
fwS=1.90
0 0 0 0 0 0 0 0 0


sdN=149.4
fwN=1.86
sdE=503.2
fwE=1.83
20181207T054235.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.3 12.0
ALT/AZ=65.3 -88.9
fwAVG=1.85
sdW=58.0
fwW=1.89
sdS=44.6
fwS=1.83
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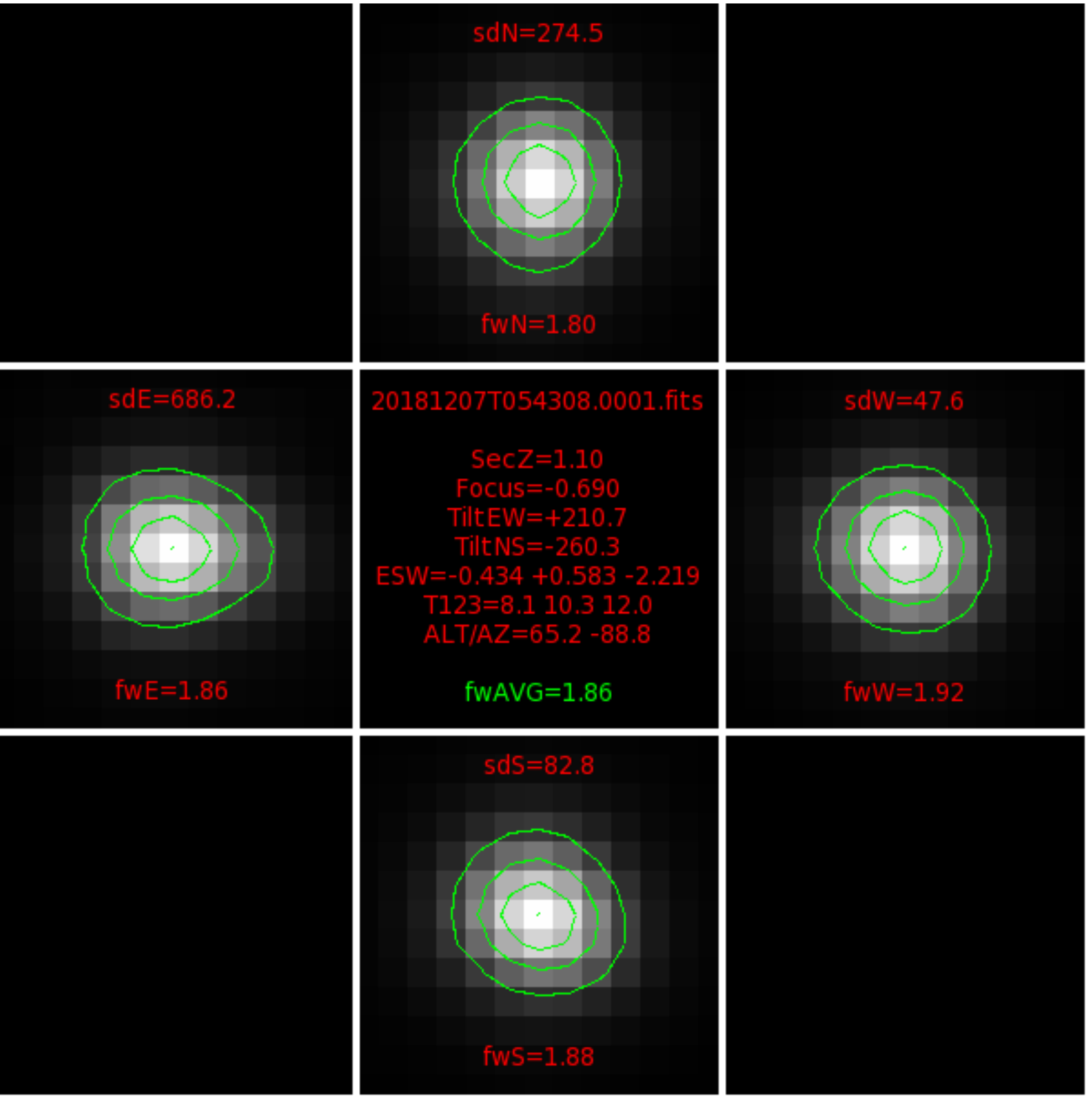
sdN=274.5
fwN=1.80
sdE=686.2
fwE=1.86
20181207T054308.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.3 12.0
ALT/AZ=65.2 -88.8
fwAVG=1.86
sdW=47.6
fwW=1.92
sdS=82.8
fwS=1.88
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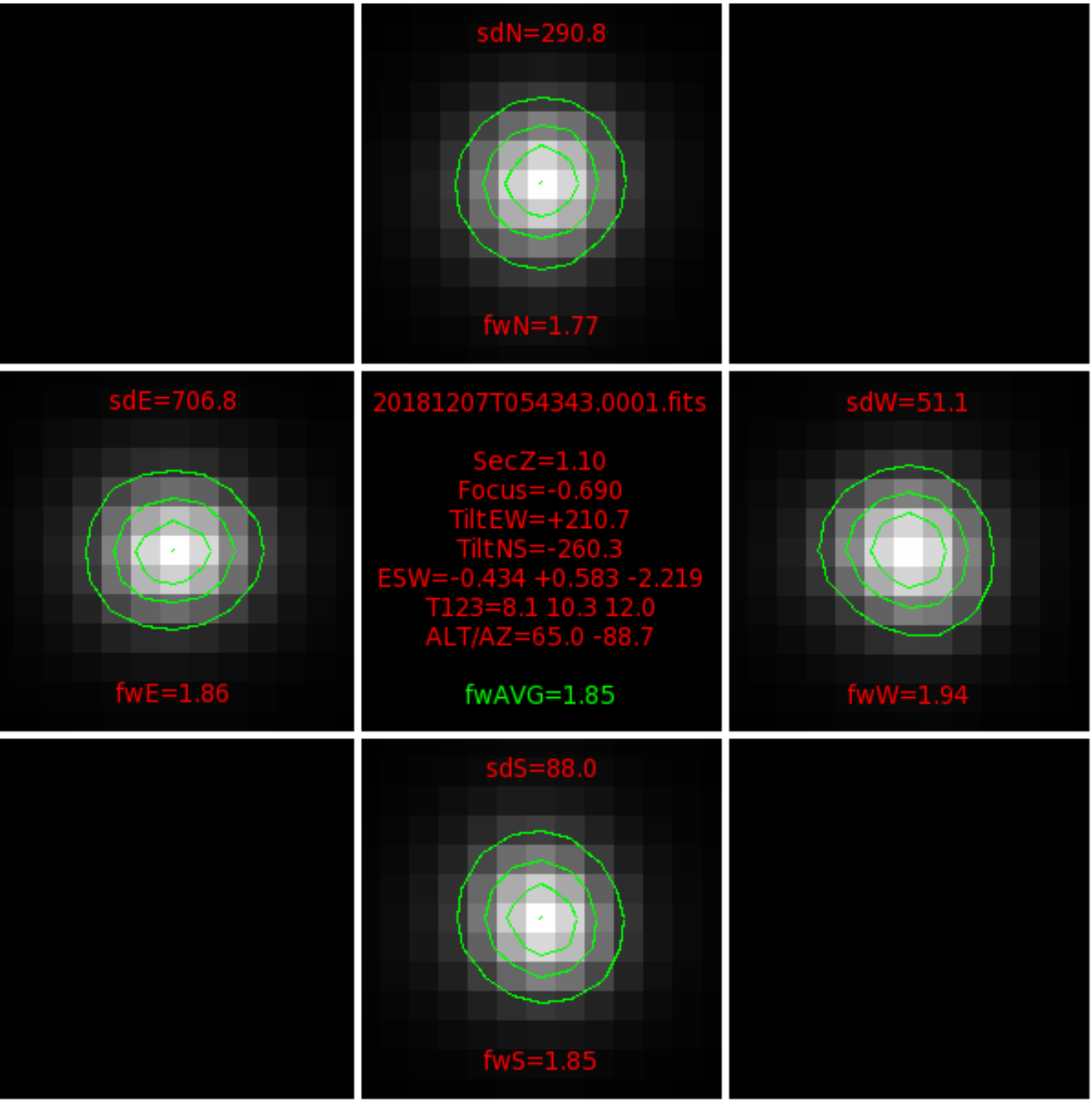
sdN=290.8
fwN=1.77
sdE=706.8
fwE=1.86
20181207T054343.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.3 12.0
ALT/AZ=65.0 -88.7
fwAVG=1.85
sdW=51.1
fwW=1.94
sdS=88.0
fwS=1.85
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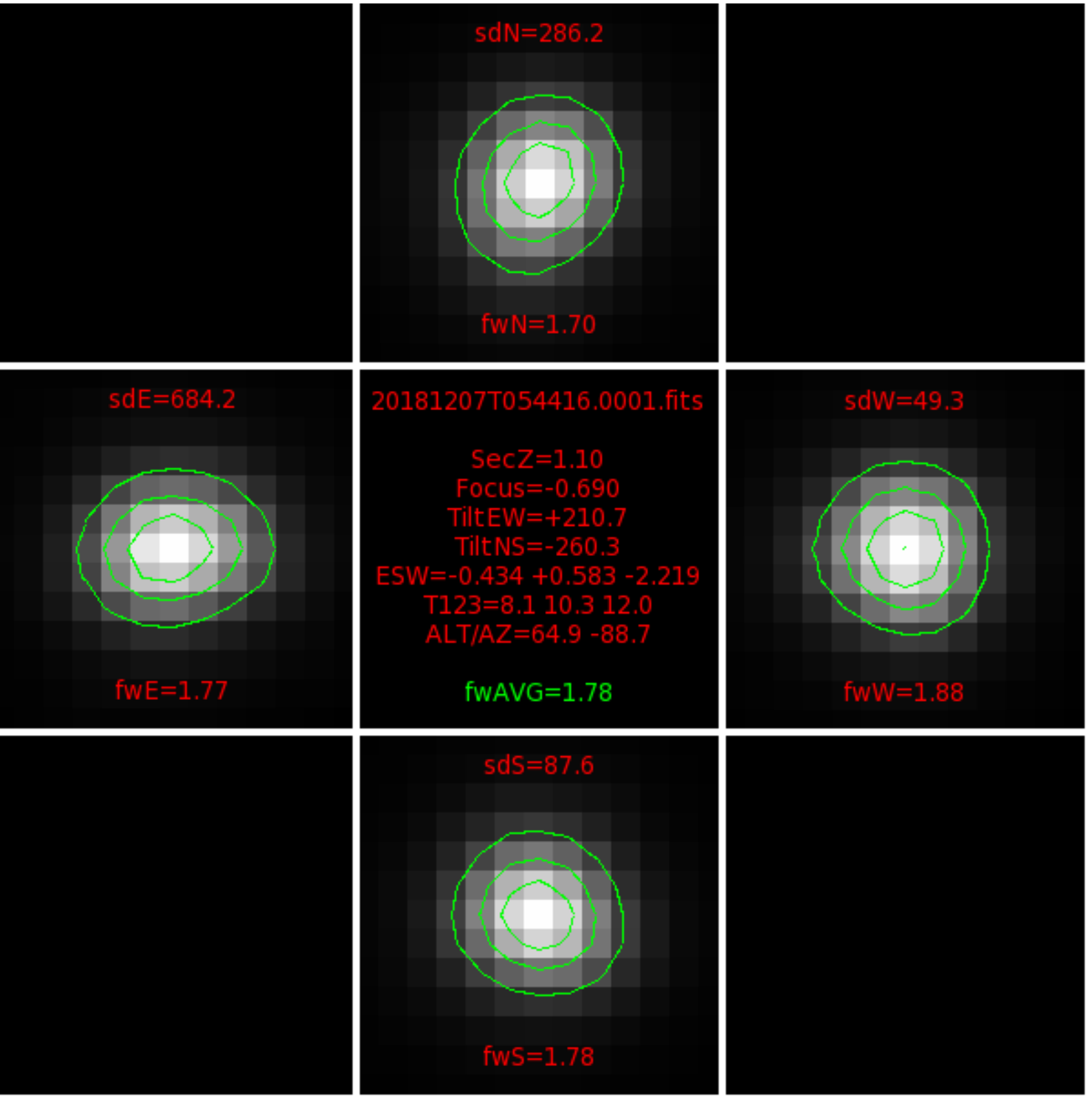
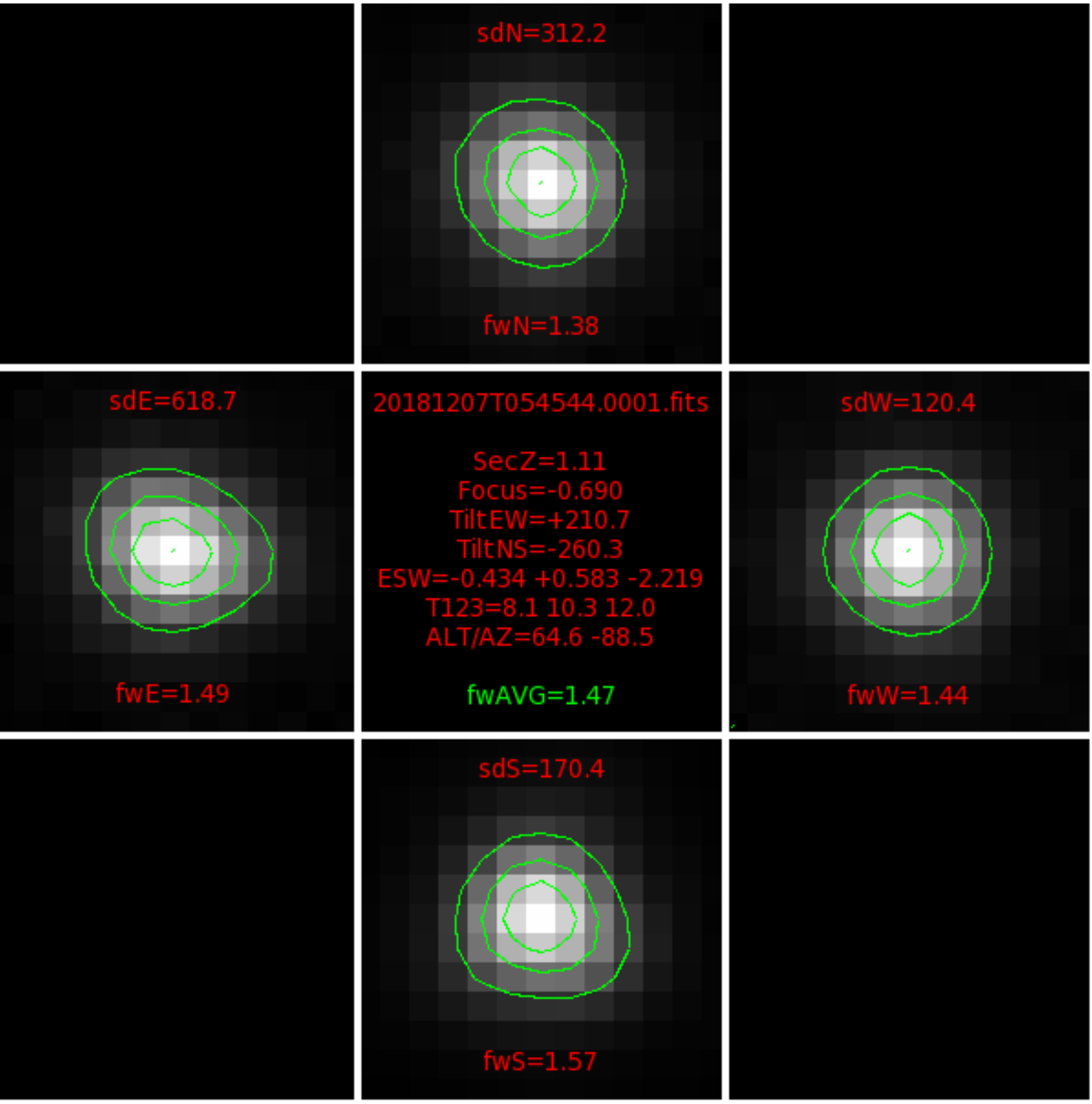

sdN=286.2
fwN=1.70
sdE=684.2
fwE=1.77
20181207T054416.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.3 12.0
ALT/AZ=64.9 -88.7
fwAVG=1.78
sdW=49.3
fwW=1.88
sdS=87.6
fwS=1.78
0 0 0 0 0 0 0 0 0


sdN=312.2
fwN=1.38
sdE=618.7
fwE=1.49
20181207T054544.0001.fits
SecZ=1.11
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.3 12.0
ALT/AZ=64.6 -88.5
fwAVG=1.47
sdW=120.4
fwW=1.44
sdS=170.4
fwS=1.57
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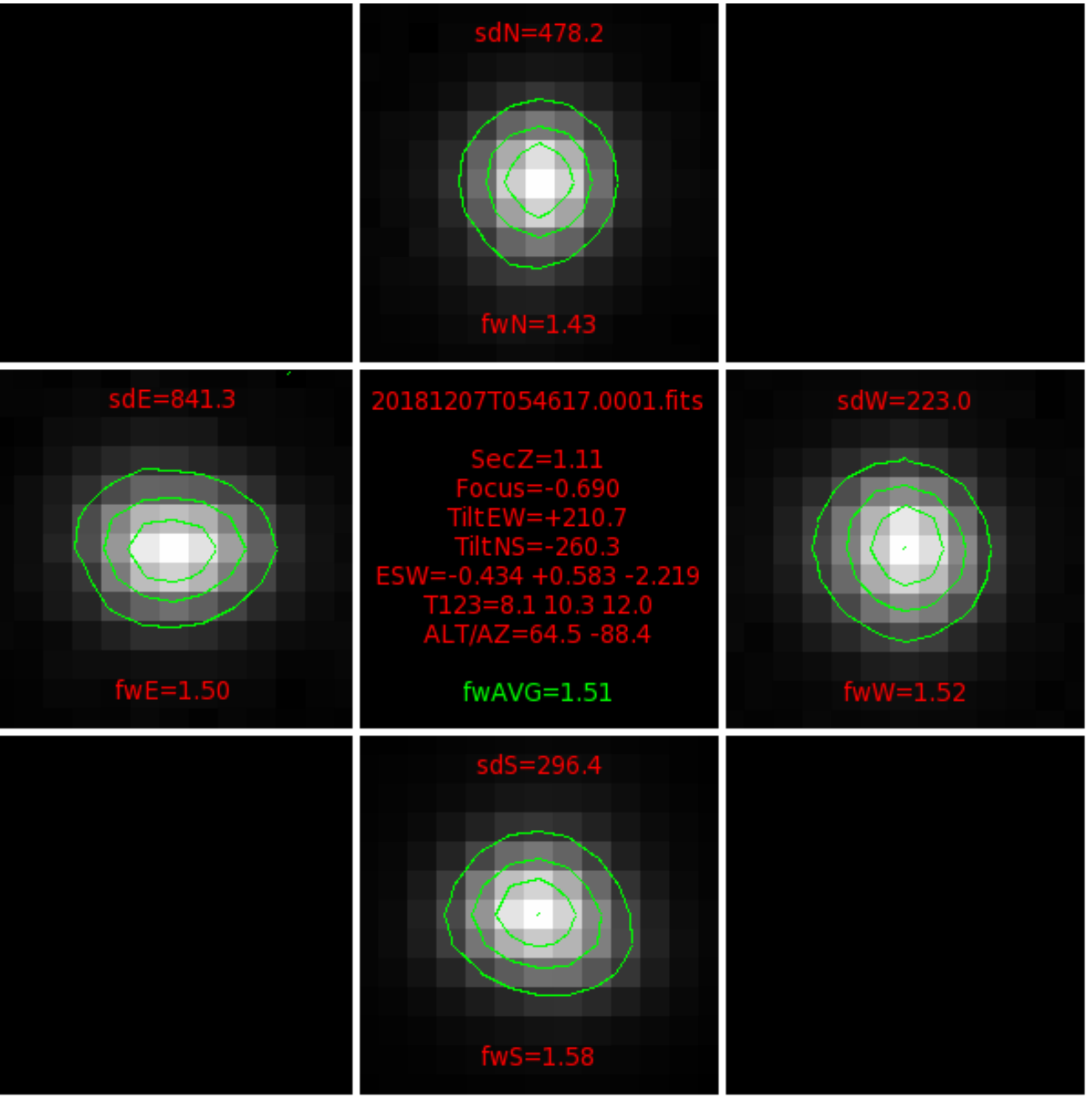
sdN=478.2
fwN=1.43
sdE=841.3
fwE=1.50
20181207T054617.0001.fits
SecZ=1.11
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.3 12.0
ALT/AZ=64.5 -88.4
fwAVG=1.51
sdW=223.0
fwW=1.52
sdS=296.4
fwS=1.58
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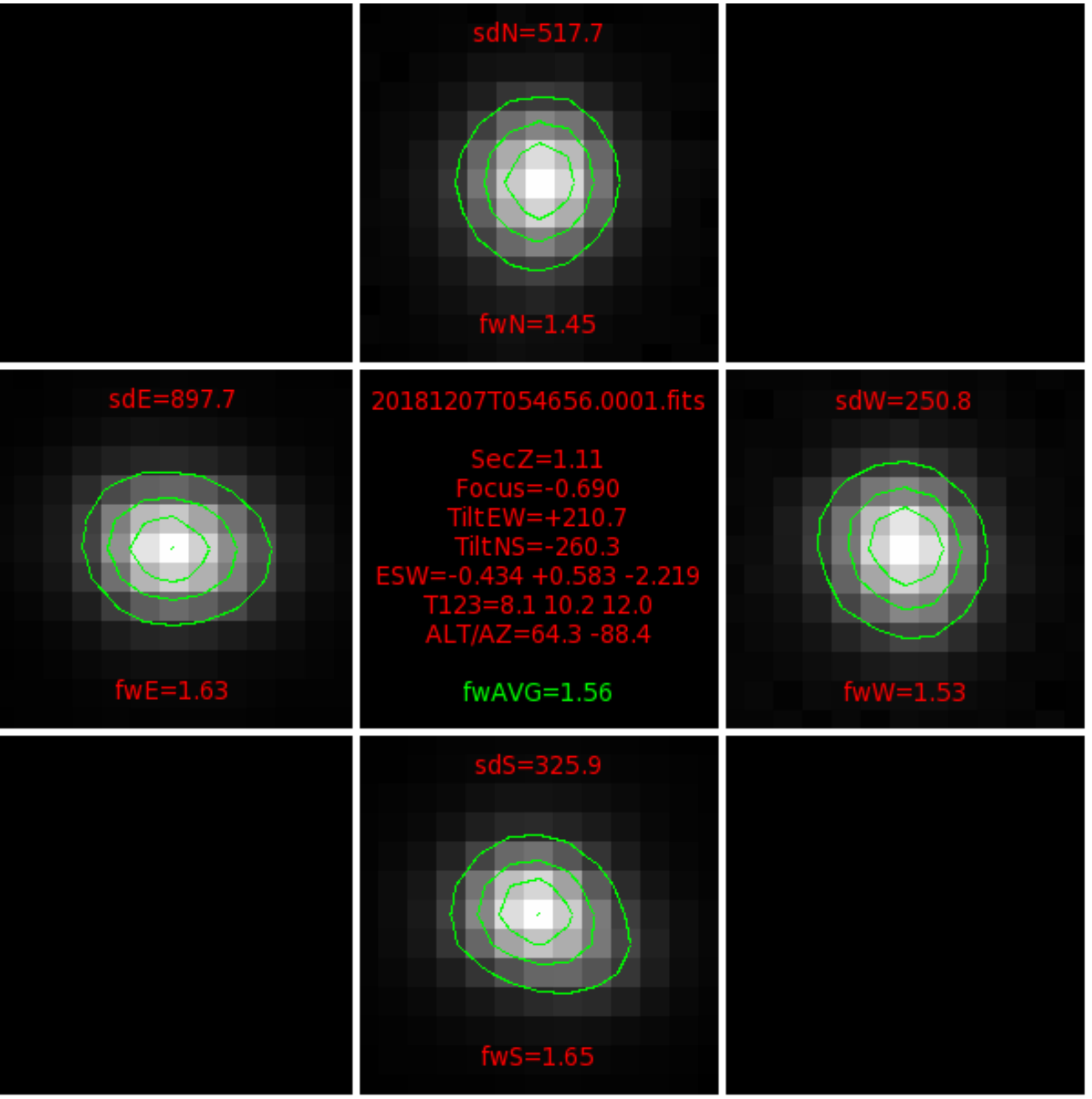
sdN=517.7
fwN=1.45
sdE=897.7
fwE=1.63
20181207T054656.0001.fits
SecZ=1.11
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.2 12.0
ALT/AZ=64.3 -88.4
fwAVG=1.56
sdW=250.8
fwW=1.53
sdS=325.9
fwS=1.65
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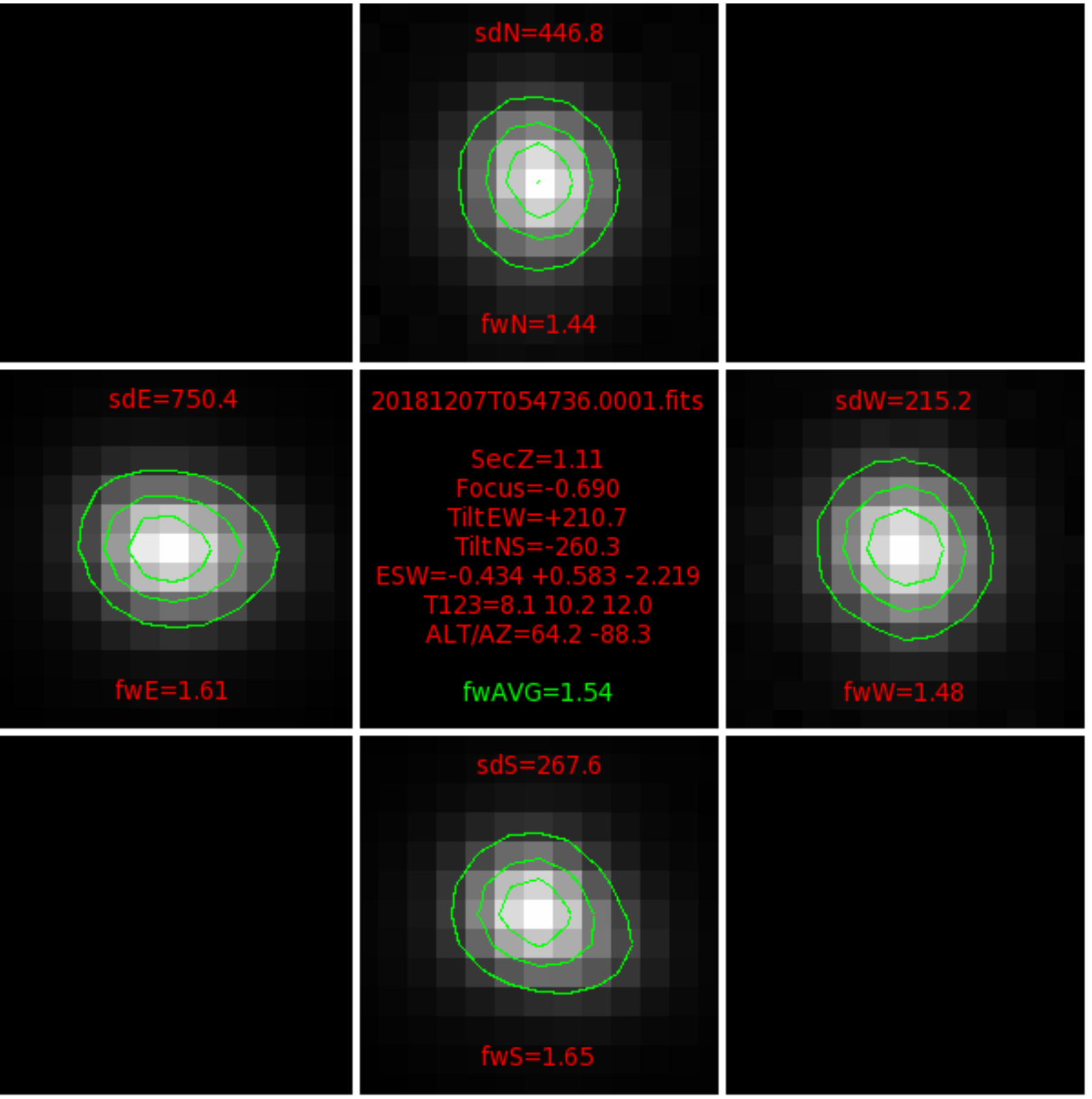
sdN=446.8
fwN=1.44
sdE=750.4
fwE=1.61
20181207T054736.0001.fits
SecZ=1.11
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.2 12.0
ALT/AZ=64.2 -88.3
fwAVG=1.54
sdW=215.2
fwW=1.48
sdS=267.6
fwS=1.65
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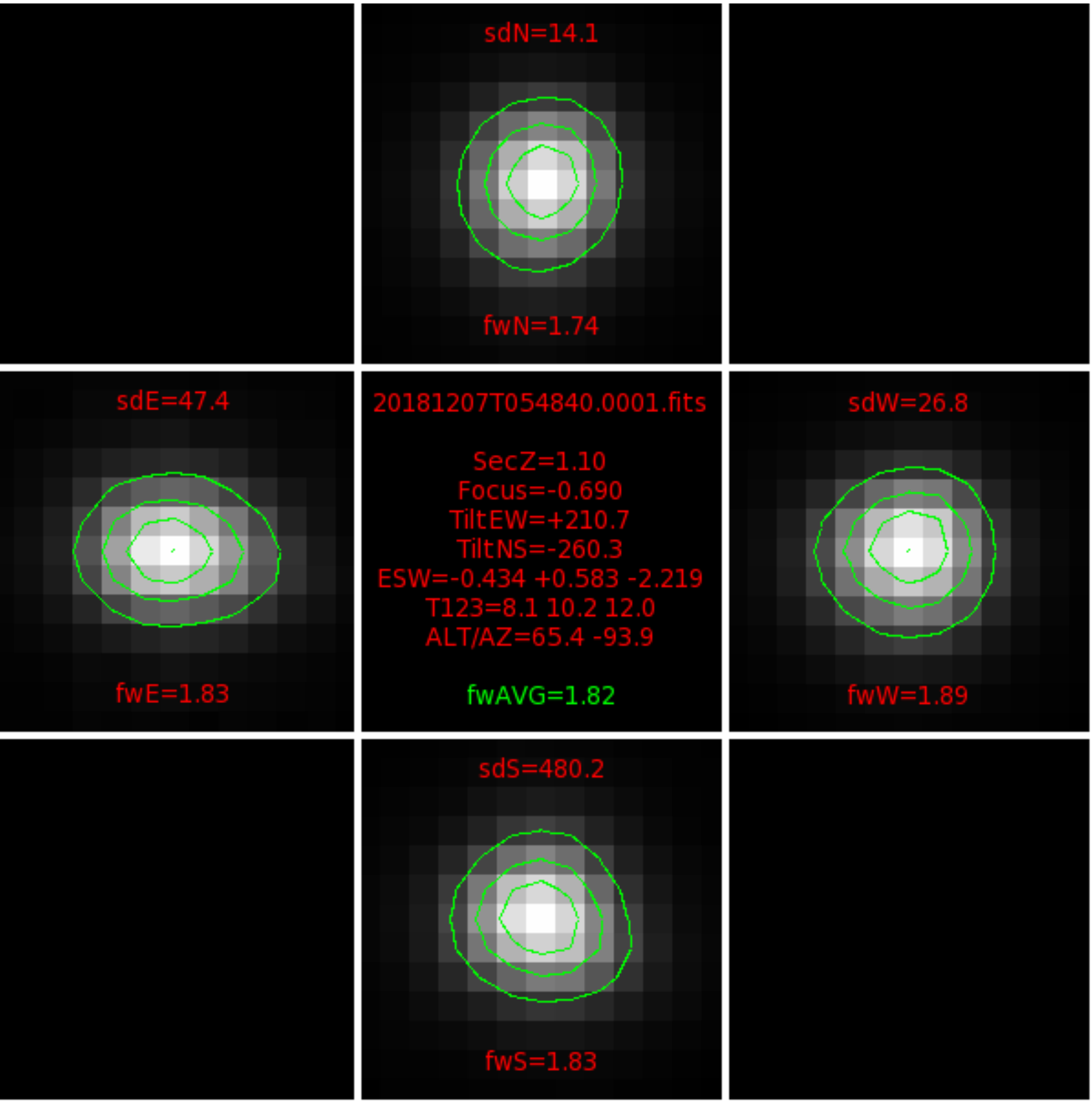
sdN=14.1
fwN=1.74
sdE=47.4
fwE=1.83
20181207T054840.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.2 12.0
ALT/AZ=65.4 -93.9
fwAVG=1.82
sdW=26.8
fwW=1.89
sdS=480.2
fwS=1.83
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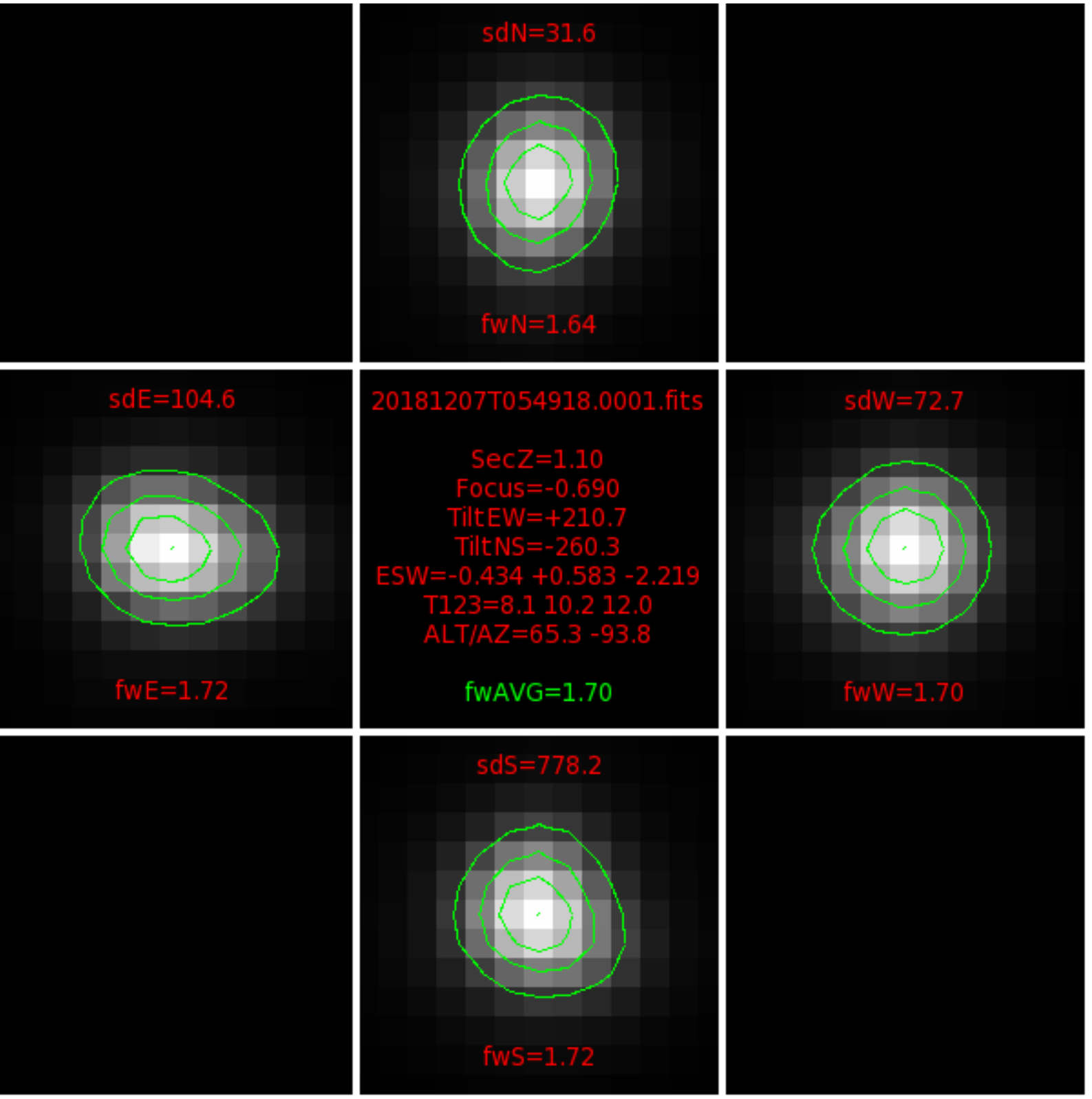
sdN=31.6
fwN=1.64
sdE=104.6
fwE=1.72
20181207T054918.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.2 12.0
ALT/AZ=65.3 -93.8
fwAVG=1.70
sdW=72.7
fwW=1.70
sdS=778.2
fwS=1.72
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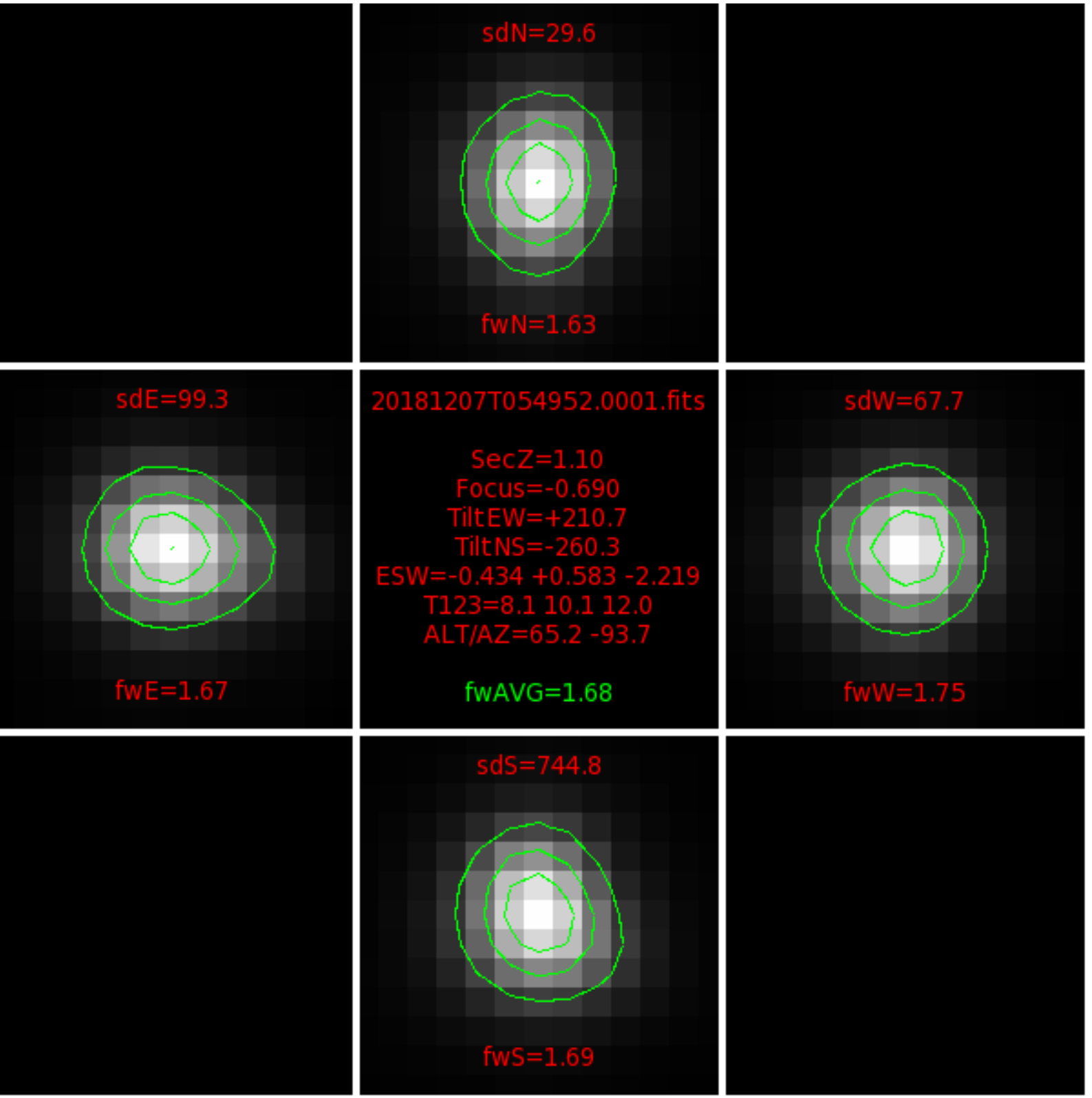
sdN=29.6
fwN=1.63
sdE=99.3
fwE=1.67
20181207T054952.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.1 12.0
ALT/AZ=65.2 -93.7
fwAVG=1.68
sdW=67.7
fwW=1.75
sdS=744.8
fwS=1.69
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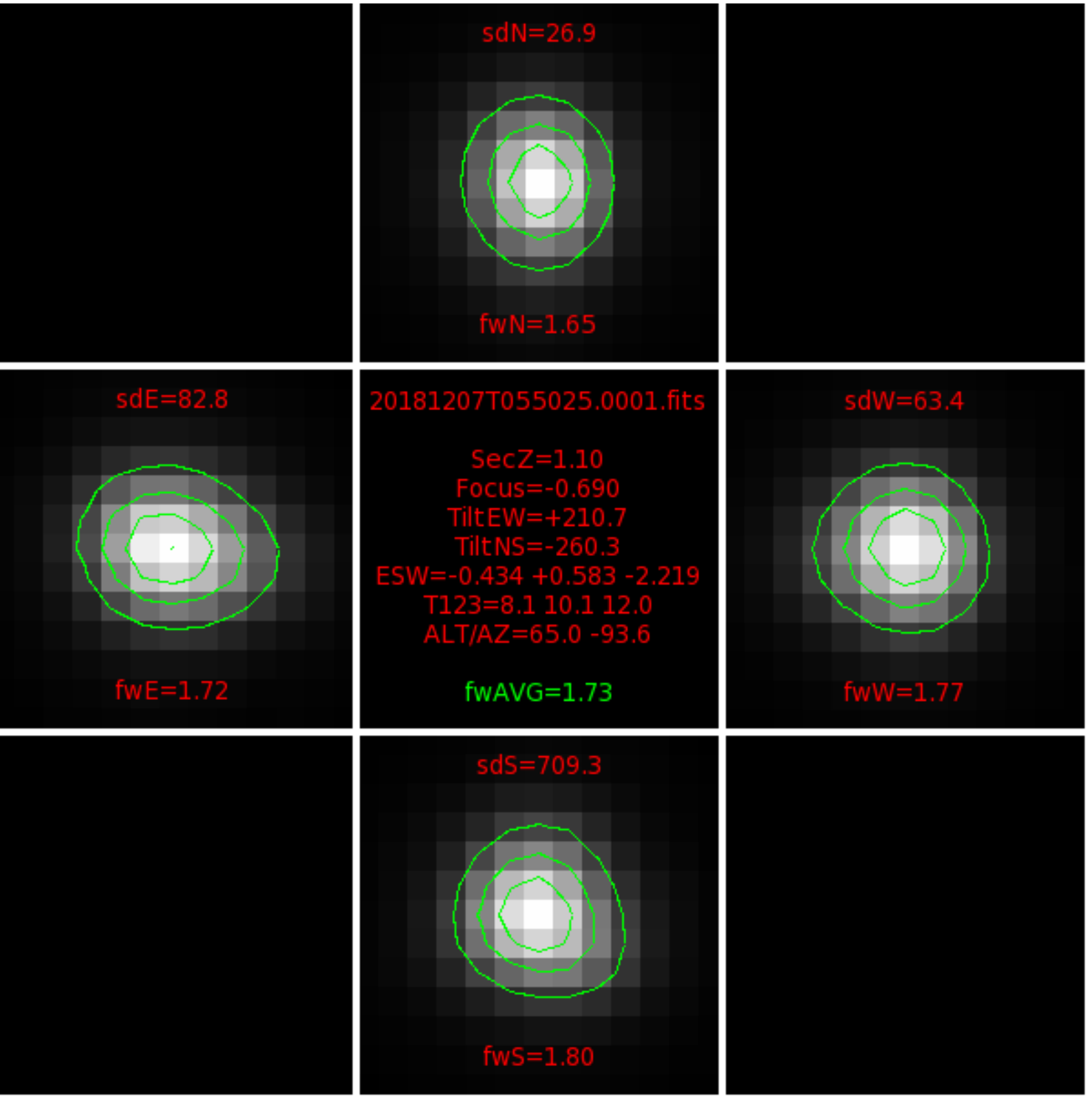
sdN=26.9
fwN=1.65
sdE=82.8
fwE=1.72
20181207T055025.0001.fits
SecZ=1.10
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.1 12.0
ALT/AZ=65.0 -93.6
fwAVG=1.73
sdW=63.4
fwW=1.77
sdS=709.3
fwS=1.80
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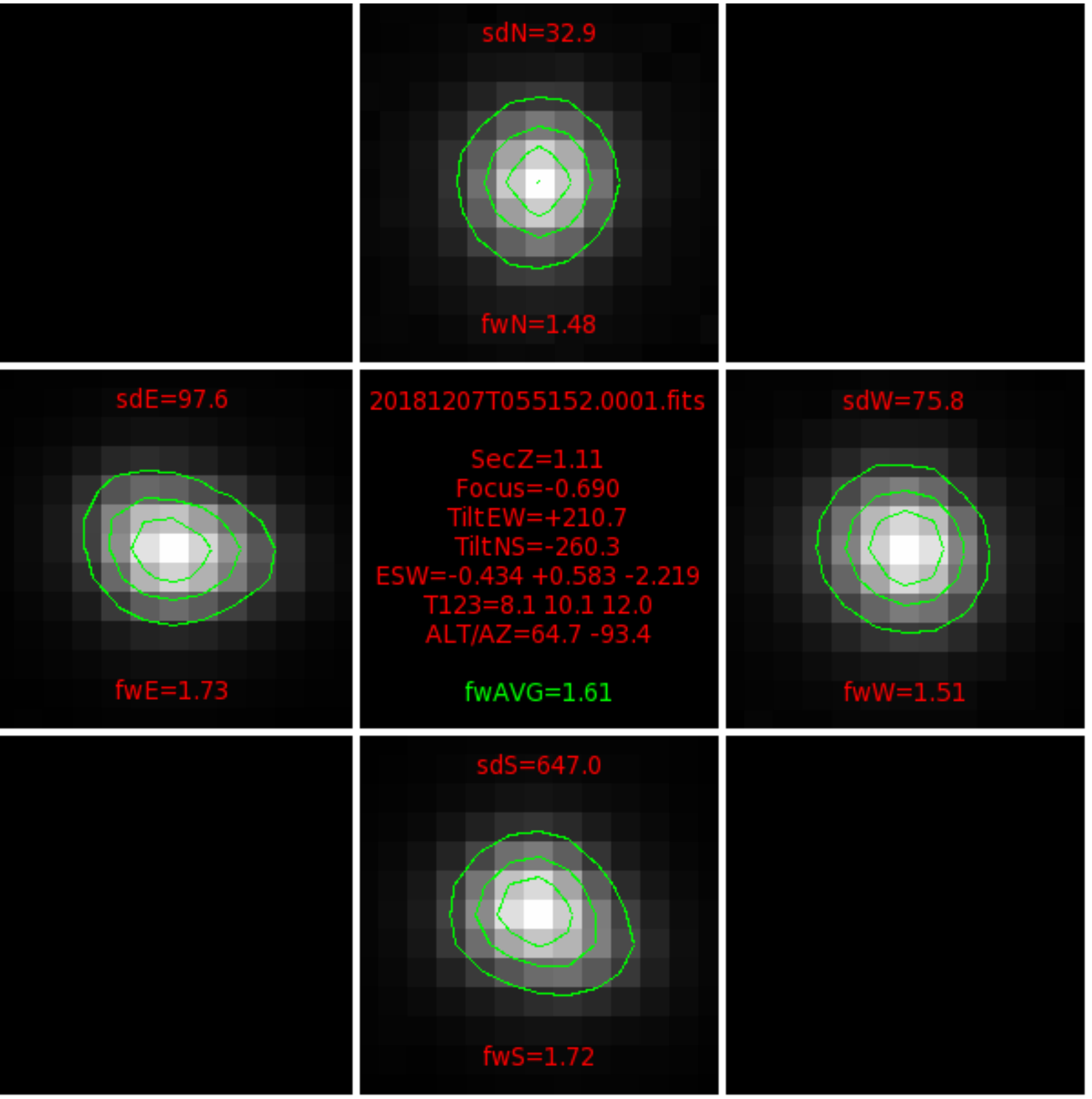
sdN=32.9
fwN=1.48
sdE=97.6
fwE=1.73
20181207T055152.0001.fits
SecZ=1.11
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.1 12.0
ALT/AZ=64.7 -93.4
fwAVG=1.61
sdW=75.8
fwW=1.51
sdS=647.0
fwS=1.72
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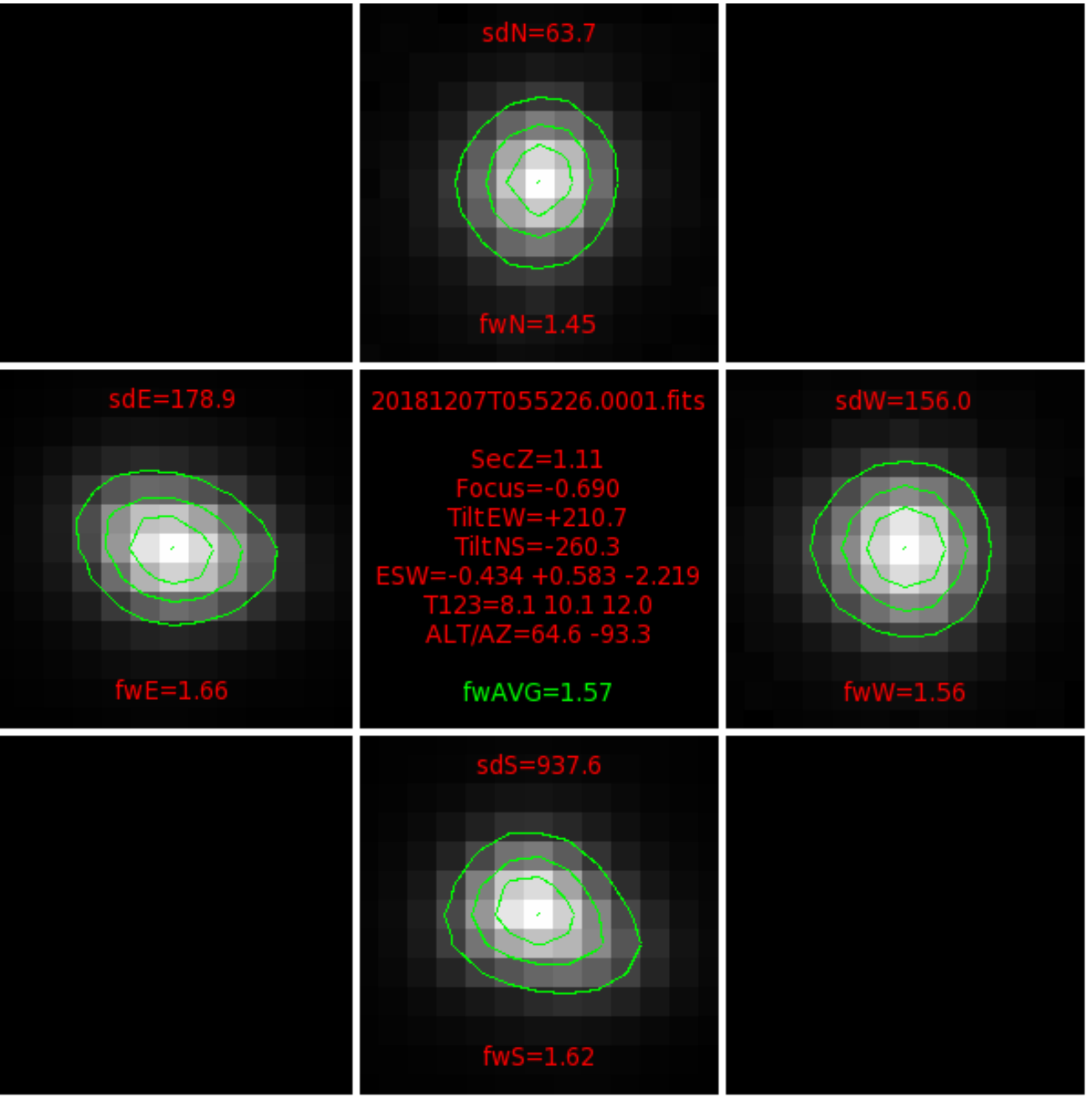
sdN=63.7
fwN=1.45
sdE=178.9
fwE=1.66
20181207T055226.0001.fits
SecZ=1.11
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.1 12.0
ALT/AZ=64.6 -93.3
fwAVG=1.57
sdW=156.0
fwW=1.56
sdS=937.6
fwS=1.62
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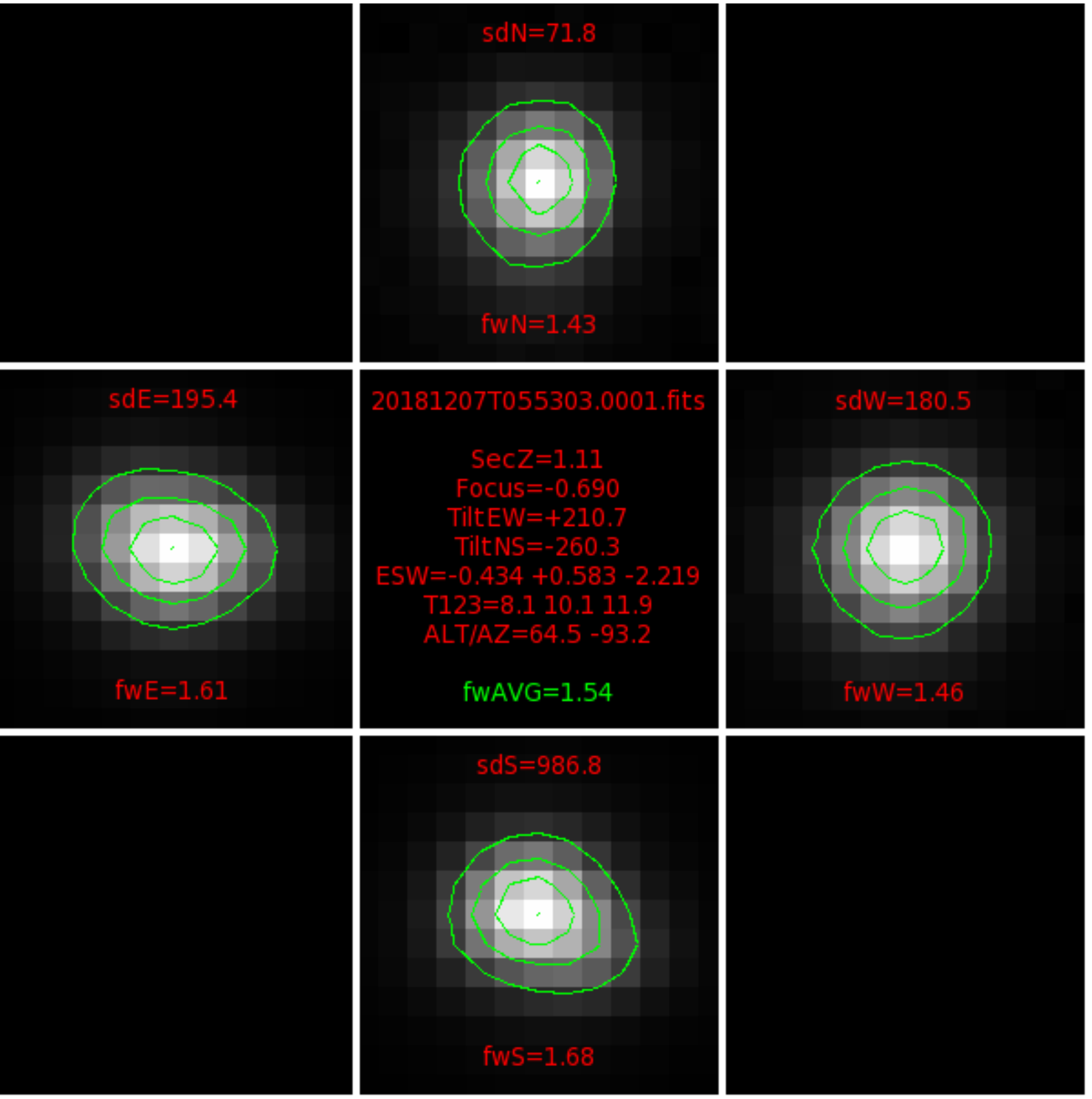
sdN=71.8
fwN=1.43
sdE=195.4
fwE=1.61
20181207T055303.0001.fits
SecZ=1.11
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.1 11.9
ALT/AZ=64.5 -93.2
fwAVG=1.54
sdW=180.5
fwW=1.46
sdS=986.8
fwS=1.68
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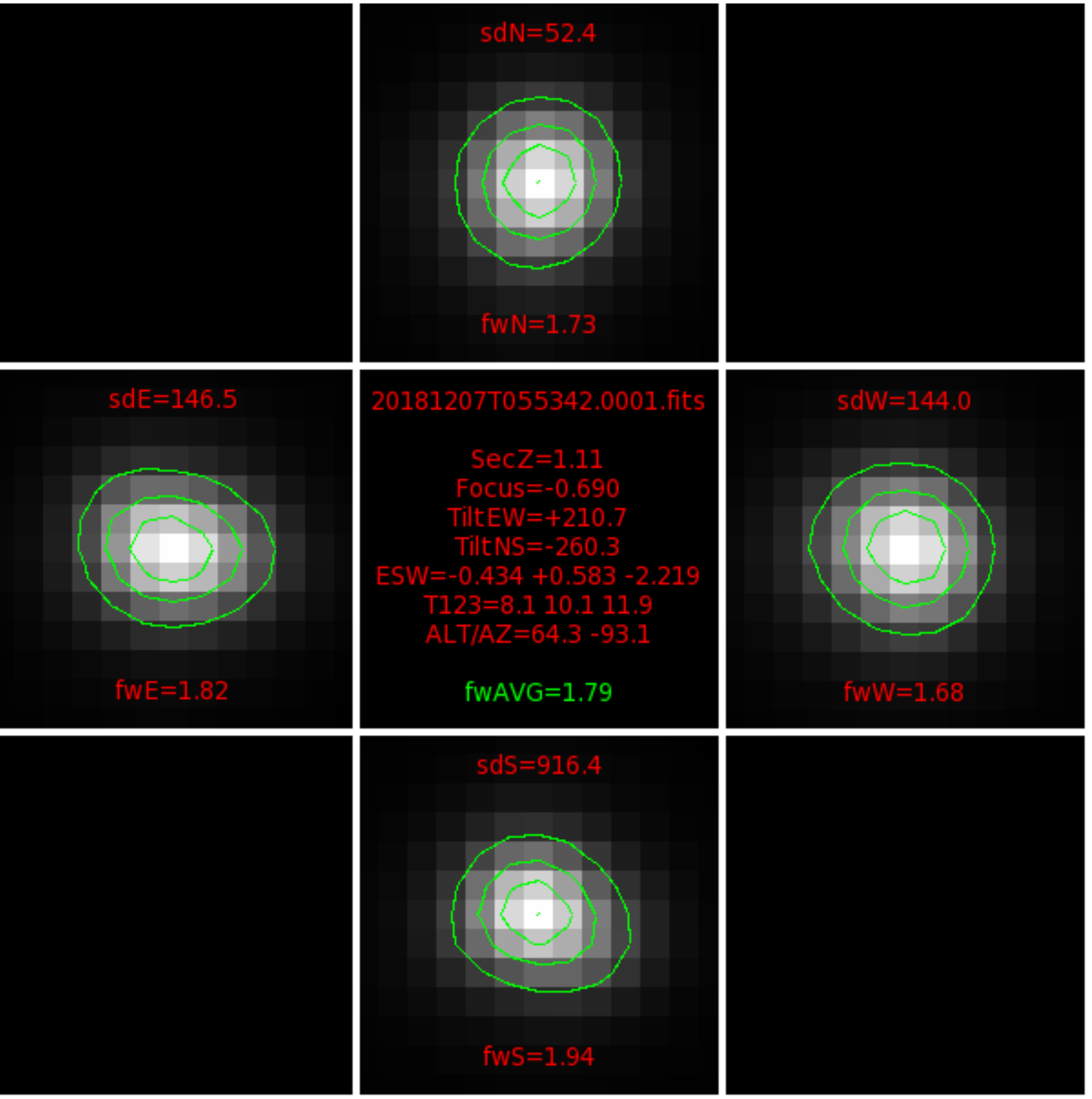
sdN=52.4
fwN=1.73
sdE=146.5
fwE=1.82
20181207T055342.0001.fits
SecZ=1.11
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.1 11.9
ALT/AZ=64.3 -93.1
fwAVG=1.79
sdW=144.0
fwW=1.68
sdS=916.4
fwS=1.94
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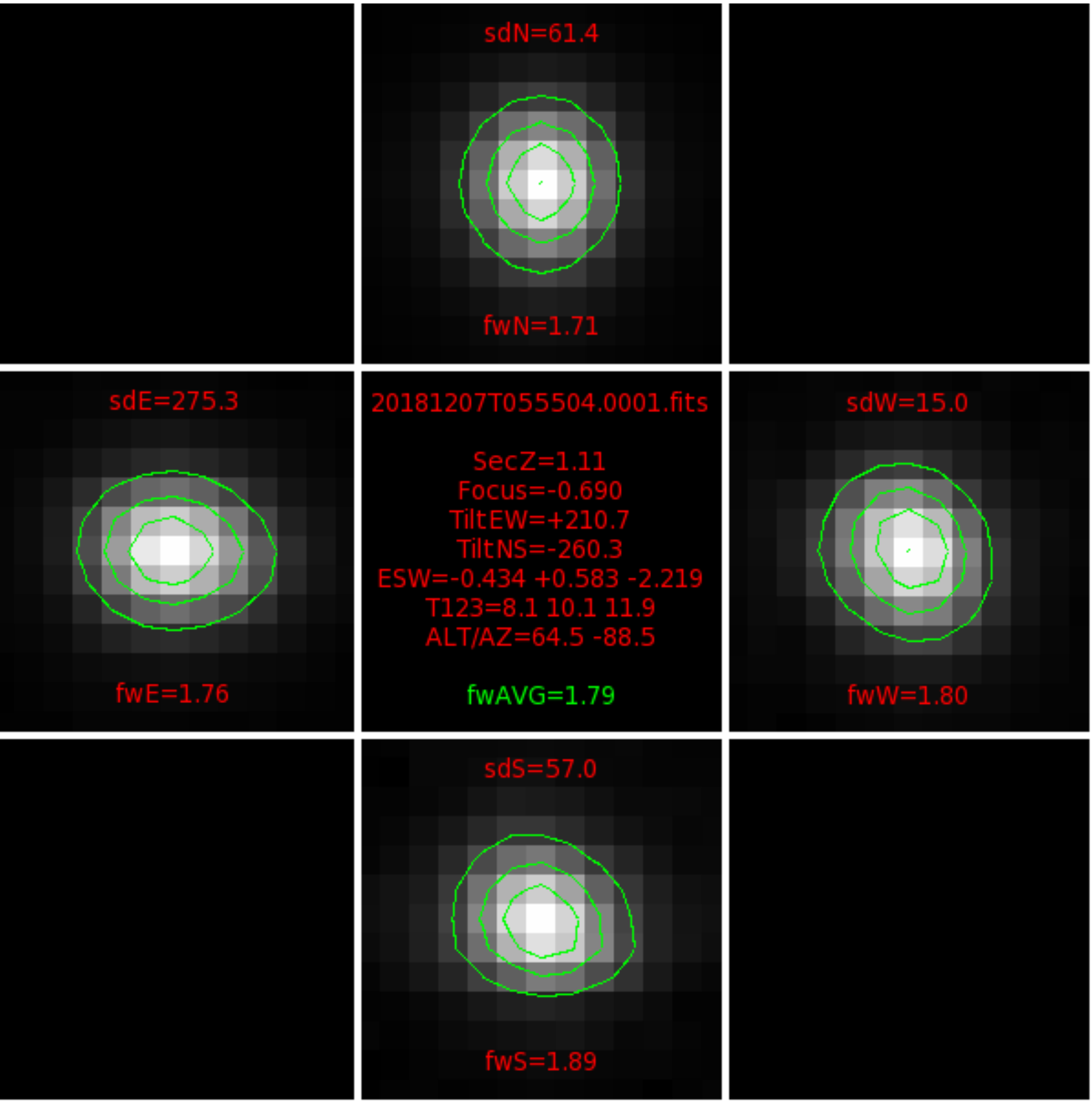
sdN=61.4
fwN=1.71
sdE=275.3
fwE=1.76
20181207T055504.0001.fits
SecZ=1.11
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.1 11.9
ALT/AZ=64.5 -88.5
fwAVG=1.79
sdW=15.0
fwW=1.80
sdS=57.0
fwS=1.89
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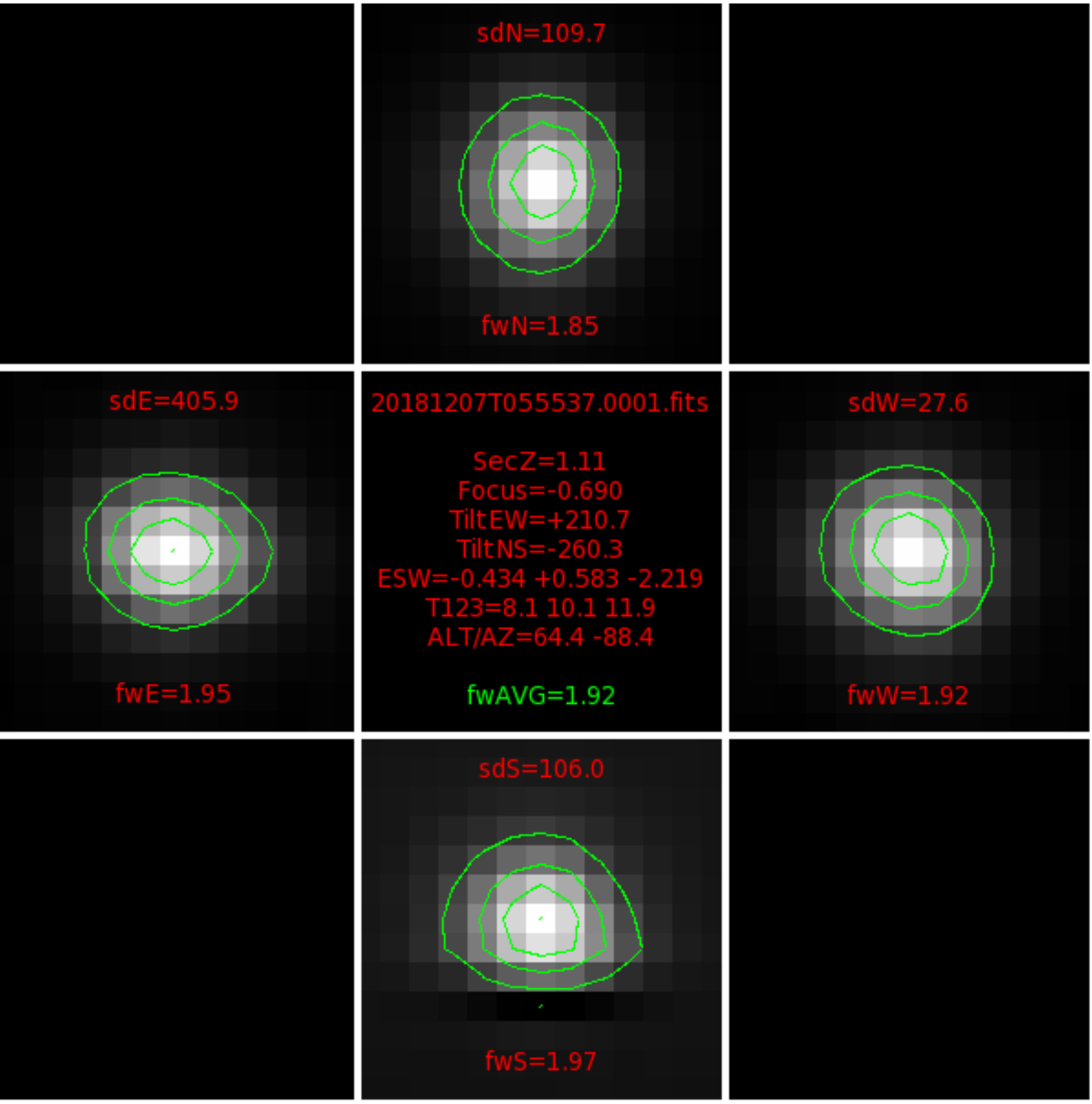
sdN=109.7
fwN=1.85
sdE=405.9
fwE=1.95
20181207T055537.0001.fits
SecZ=1.11
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.1 11.9
ALT/AZ=64.4 -88.4
fwAVG=1.92
sdW=27.6
fwW=1.92
sdS=106.0
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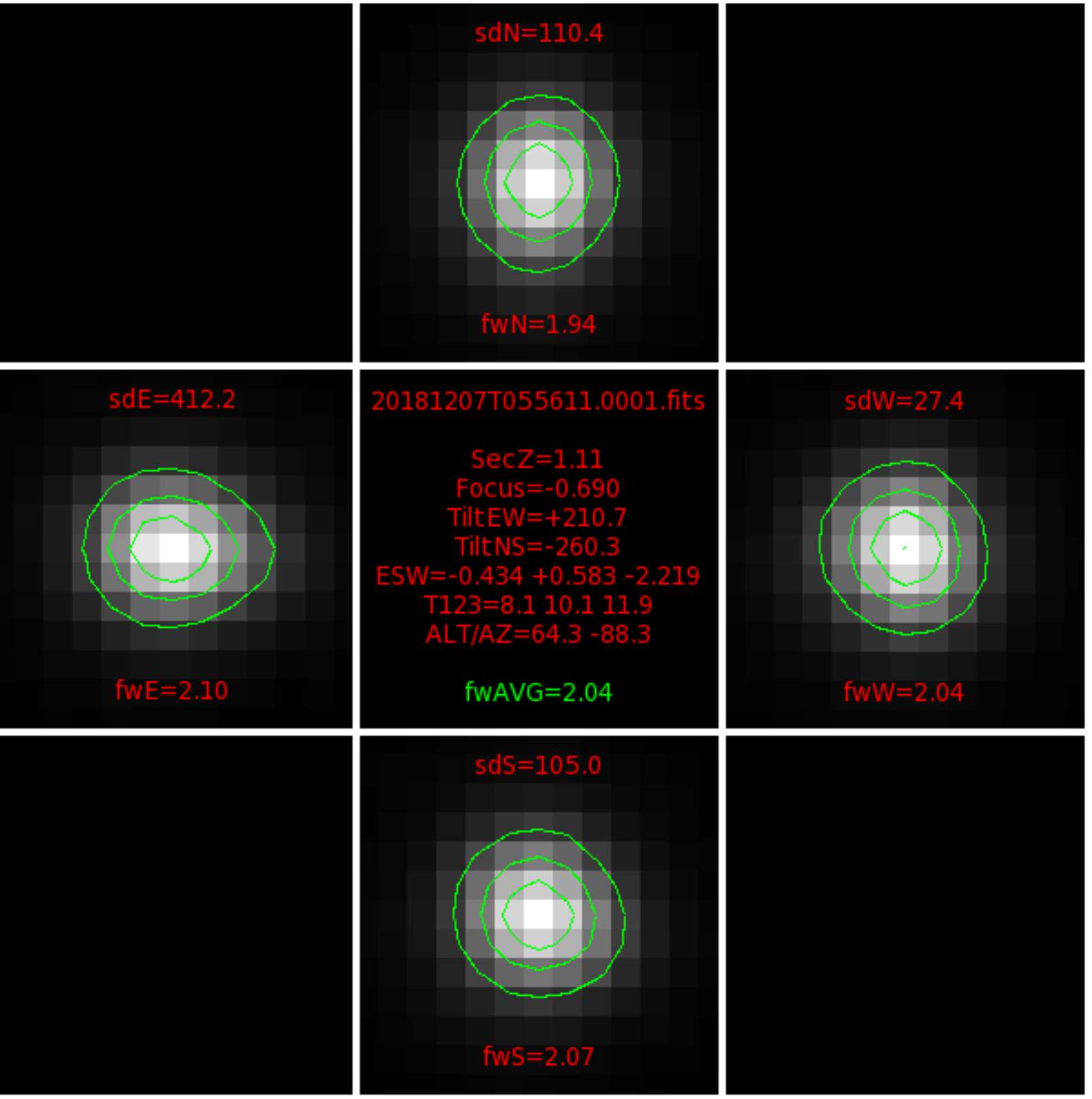
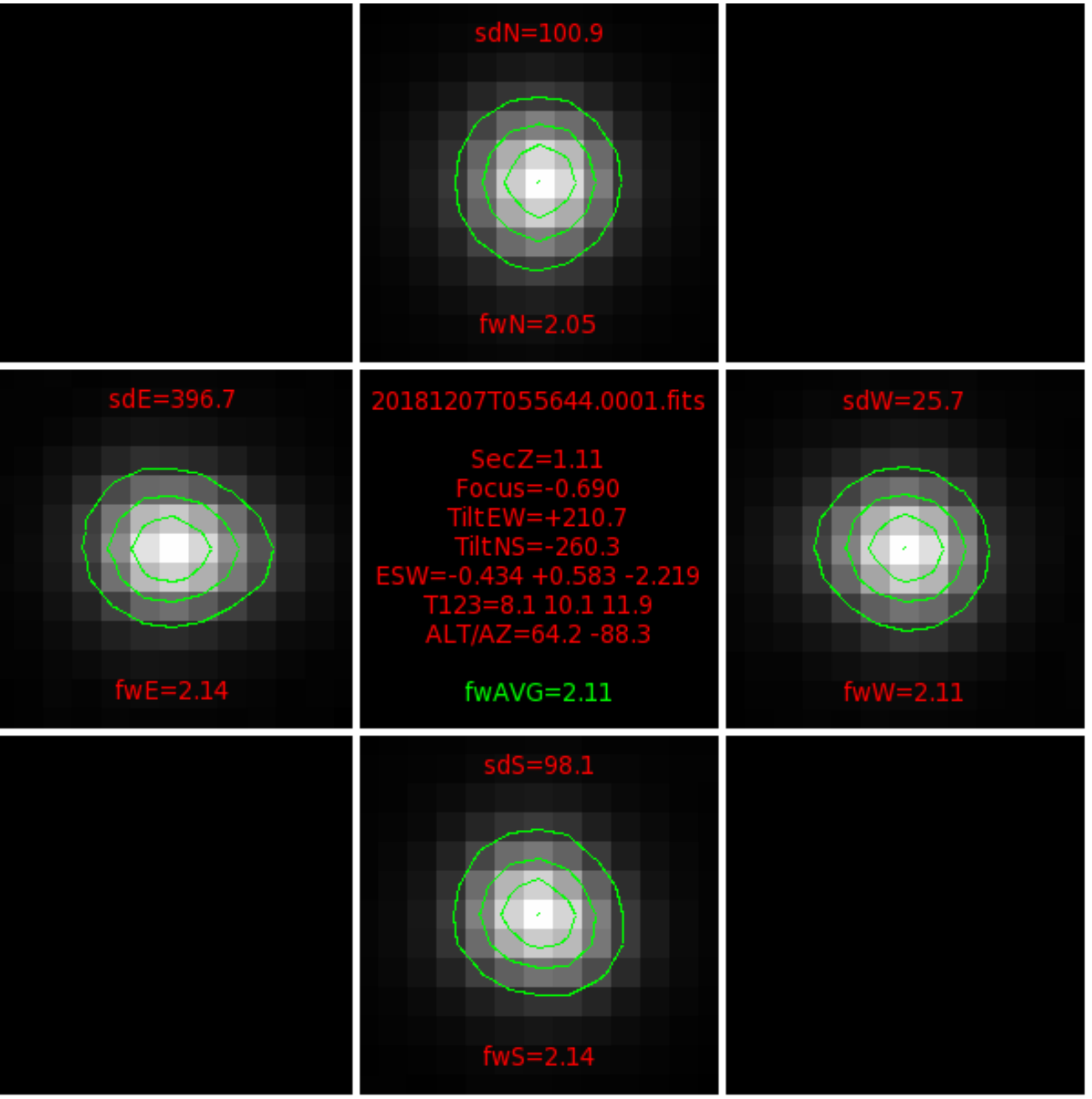

sdN=110.4
fwN=1.94
sdE=412.2
fwE=2.10
20181207T055611.0001.fits
SecZ=1.11
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.1 11.9
ALT/AZ=64.3 -88.3
fwAVG=2.04
sdW=27.4
fwW=2.04
sdS=105.0
fwS=2.07
0 0 0 0 0 0 0 0 0


sdN=100.9
fwN=2.05
sdE=396.7
fwE=2.14
20181207T055644.0001.fits
SecZ=1.11
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.1 11.9
ALT/AZ=64.2 -88.3
fwAVG=2.11
sdW=25.7
fwW=2.11
sdS=98.1
fwS=2.14
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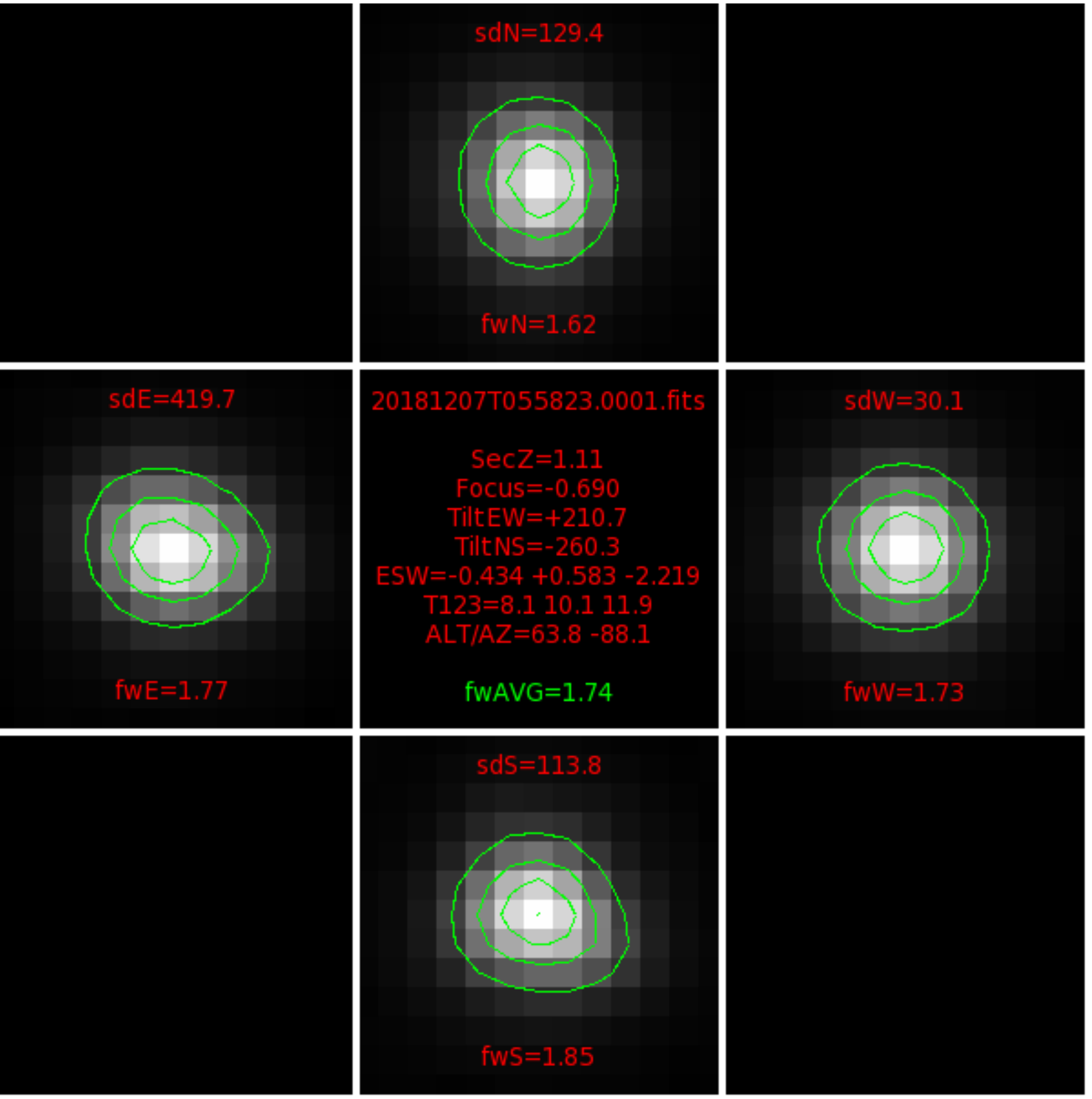
sdN=129.4
fwN=1.62
sdE=419.7
fwE=1.77
20181207T055823.0001.fits
SecZ=1.11
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.1 11.9
ALT/AZ=63.8 -88.1
fwAVG=1.74
sdW=30.1
fwW=1.73
sdS=113.8
fwS=1.85
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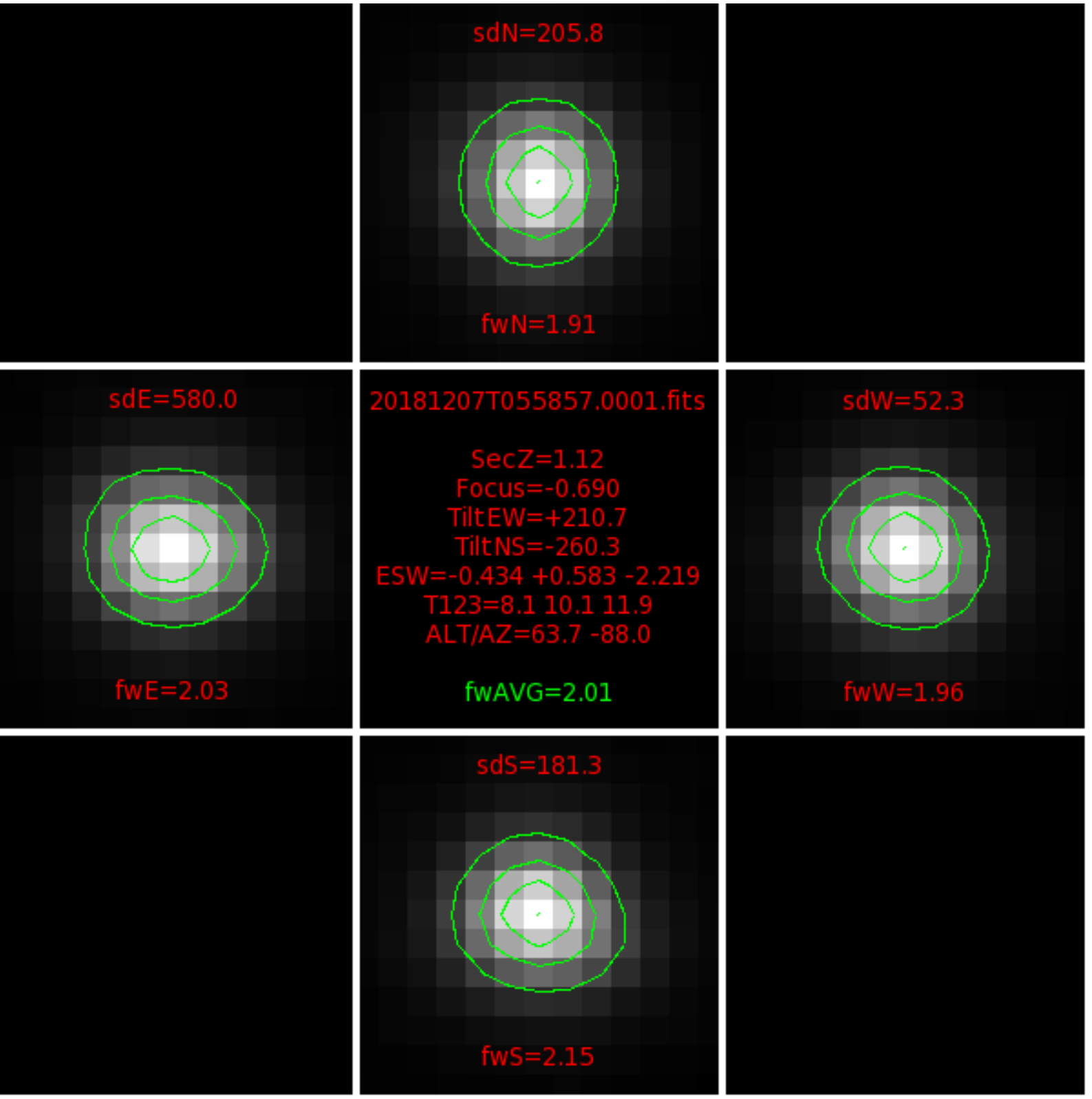
sdN=205.8
fwN=1.91
sdE=580.0
fwE=2.03
20181207T055857.0001.fits
SecZ=1.12
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.1 11.9
ALT/AZ=63.7 -88.0
fwAVG=2.01
sdW=52.3
fwW=1.96
sdS=181.3
fwS=2.15
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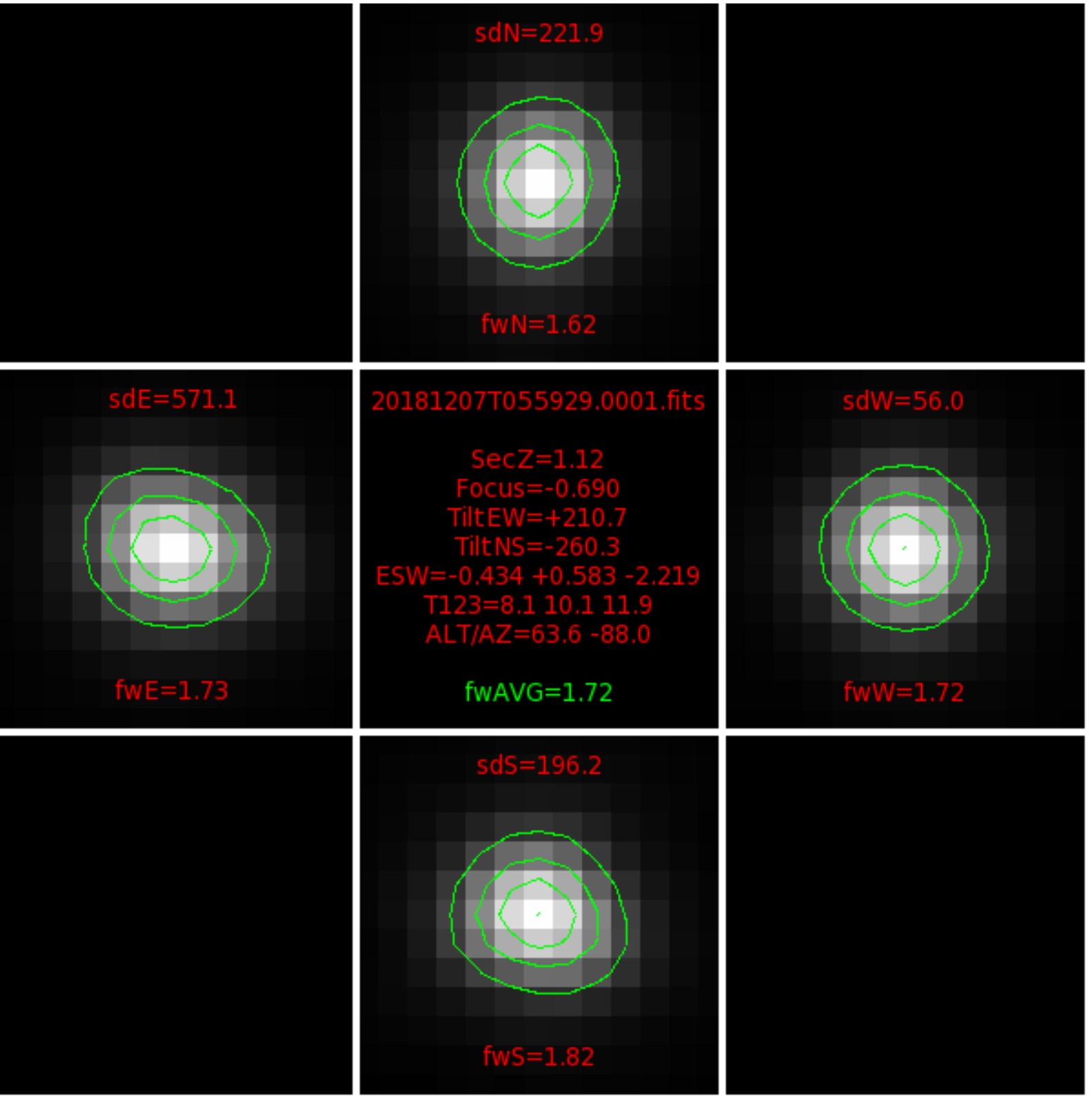
sdN=221.9
fwN=1.62
sdE=571.1
fwE=1.73
20181207T055929.0001.fits
SecZ=1.12
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.1 11.9
ALT/AZ=63.6 -88.0
fwAVG=1.72
sdW=56.0
fwW=1.72
sdS=196.2
fwS=1.82
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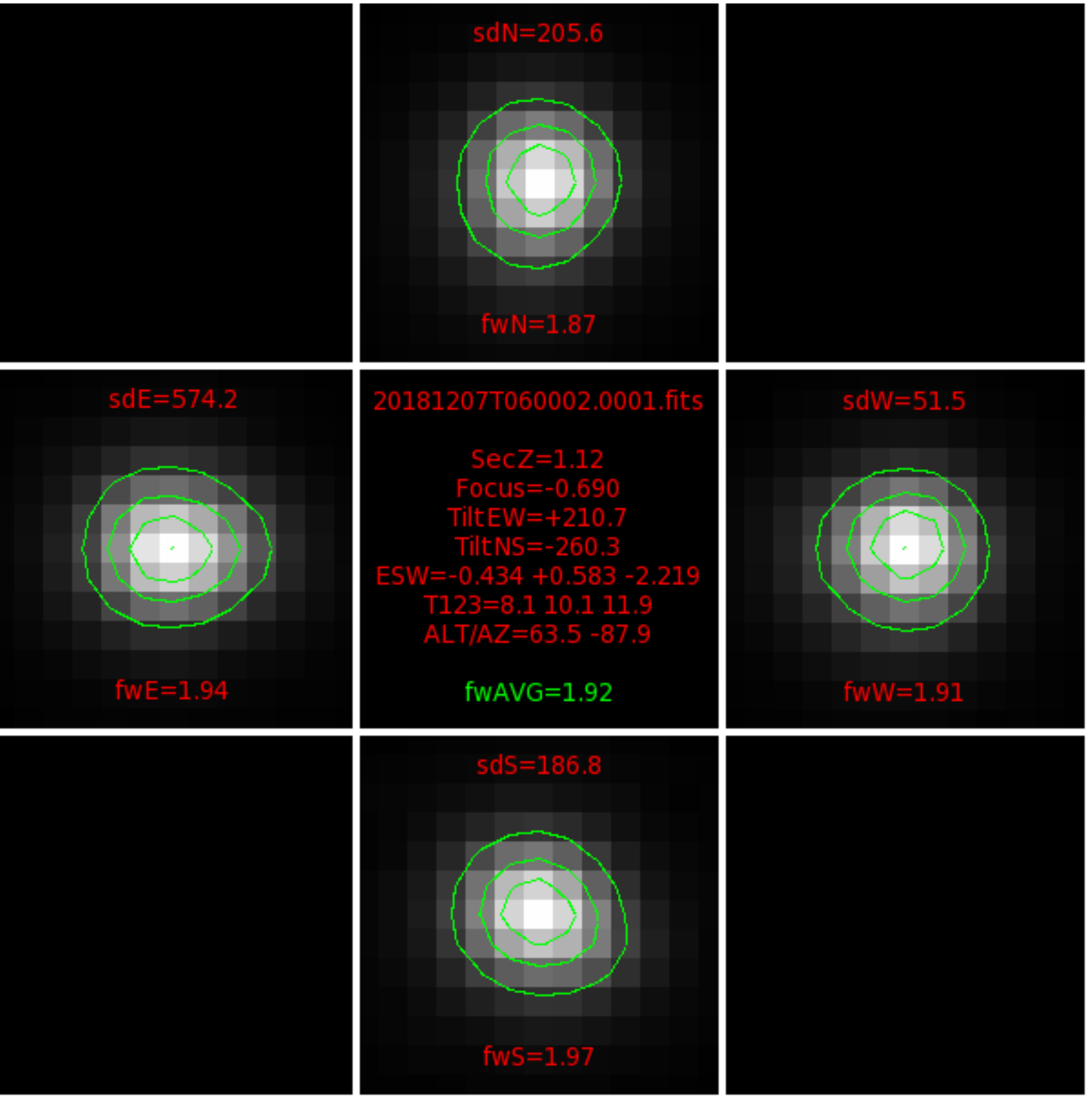
sdN=205.6
fwN=1.87
sdE=574.2
fwE=1.94
20181207T060002.0001.fits
SecZ=1.12
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.1 11.9
ALT/AZ=63.5 -87.9
fwAVG=1.92
sdW=51.5
fwW=1.91
sdS=186.8
fwS=1.97
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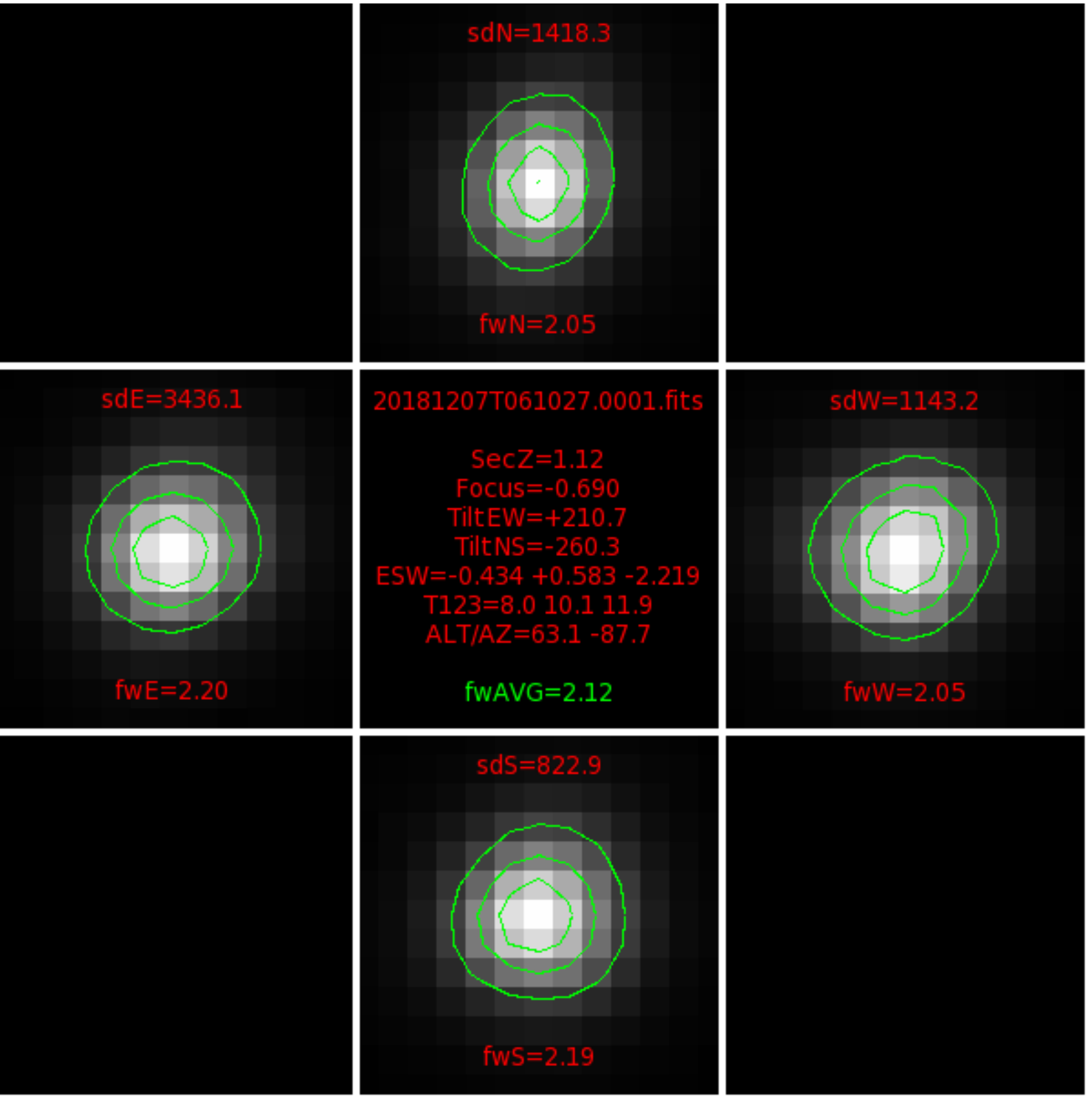
sdN=1418.3
fwN=2.05
sdE=3436.1
fwE=2.20
20181207T061027.0001.fits
SecZ=1.12
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.1 11.9
ALT/AZ=63.1 -87.7
fwAVG=2.12
sdW=1143.2
fwW=2.05
sdS=822.9
fwS=2.19
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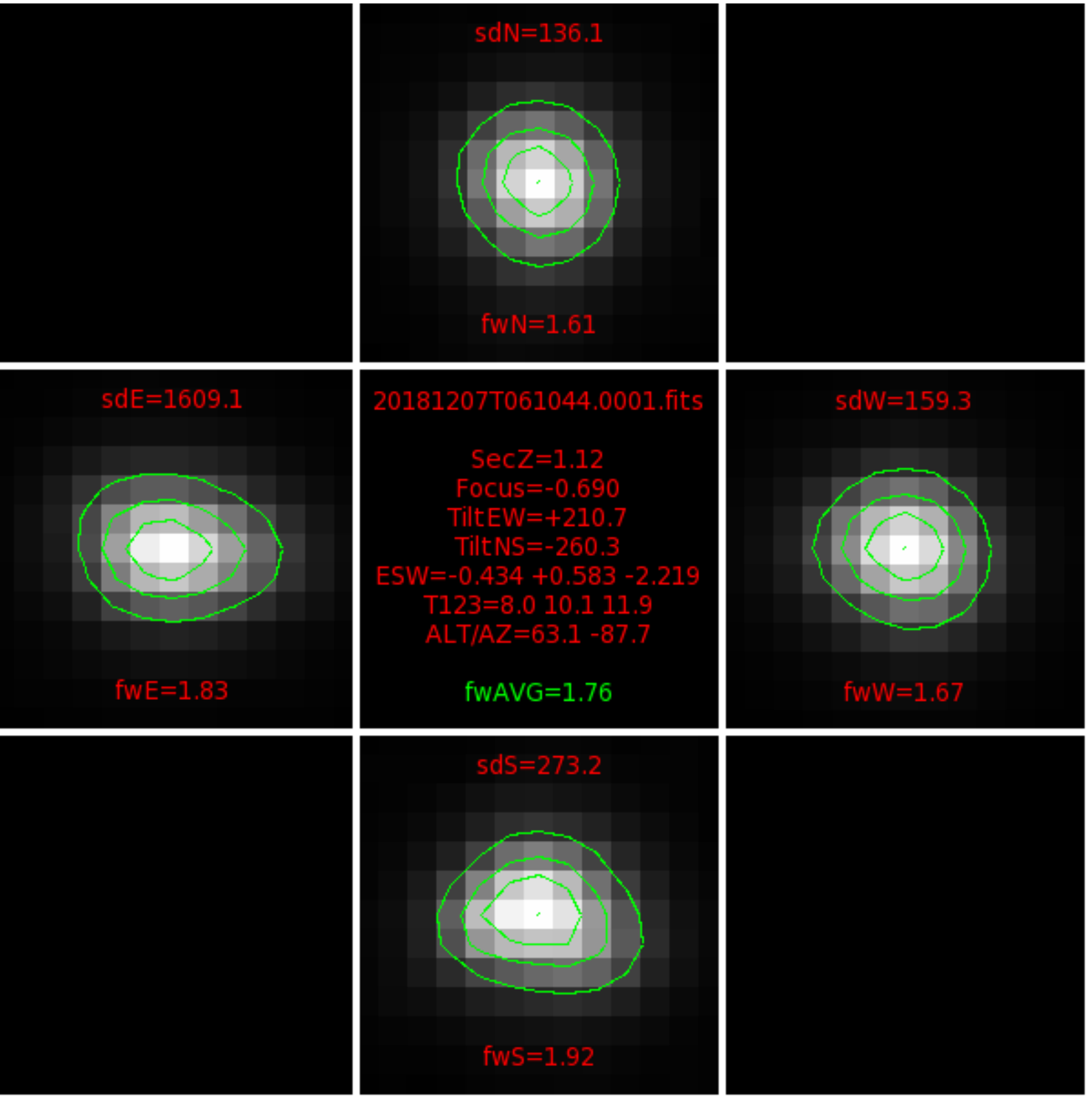
sdN=136.1
fwN=1.61
sdE=1609.1
fwE=1.83
20181207T061044.0001.fits
SecZ=1.12
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.1 11.9
ALT/AZ=63.1 -87.7
fwAVG=1.76
sdW=159.3
fwW=1.67
sdS=273.2
fwS=1.92
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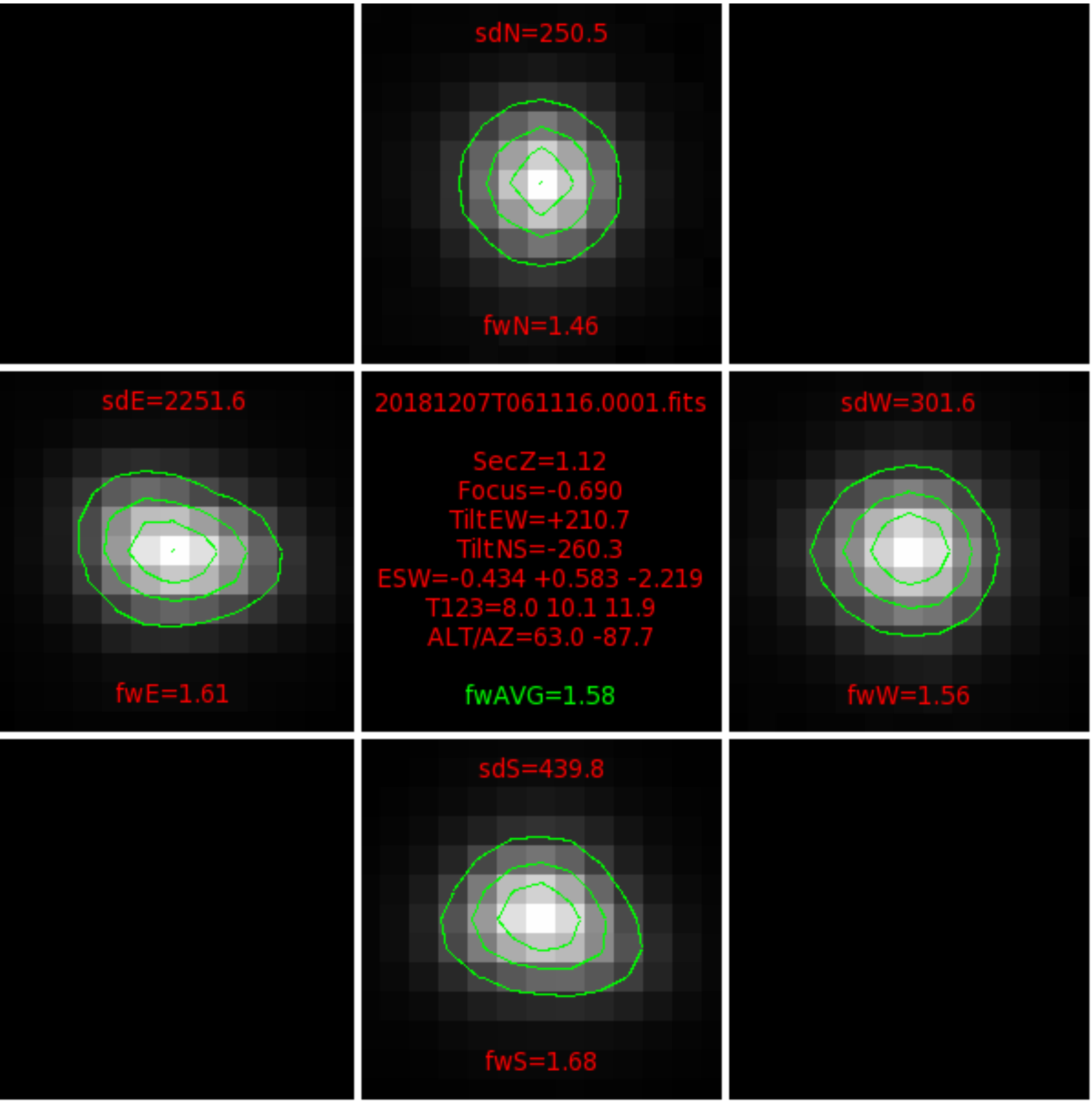
sdN=250.5
fwN=1.46
sdE=2251.6
fwE=1.61
20181207T061116.0001.fits
SecZ=1.12
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.1 11.9
ALT/AZ=63.0 -87.7
fwAVG=1.58
sdW=301.6
fwW=1.56
sdS=439.8
fwS=1.68
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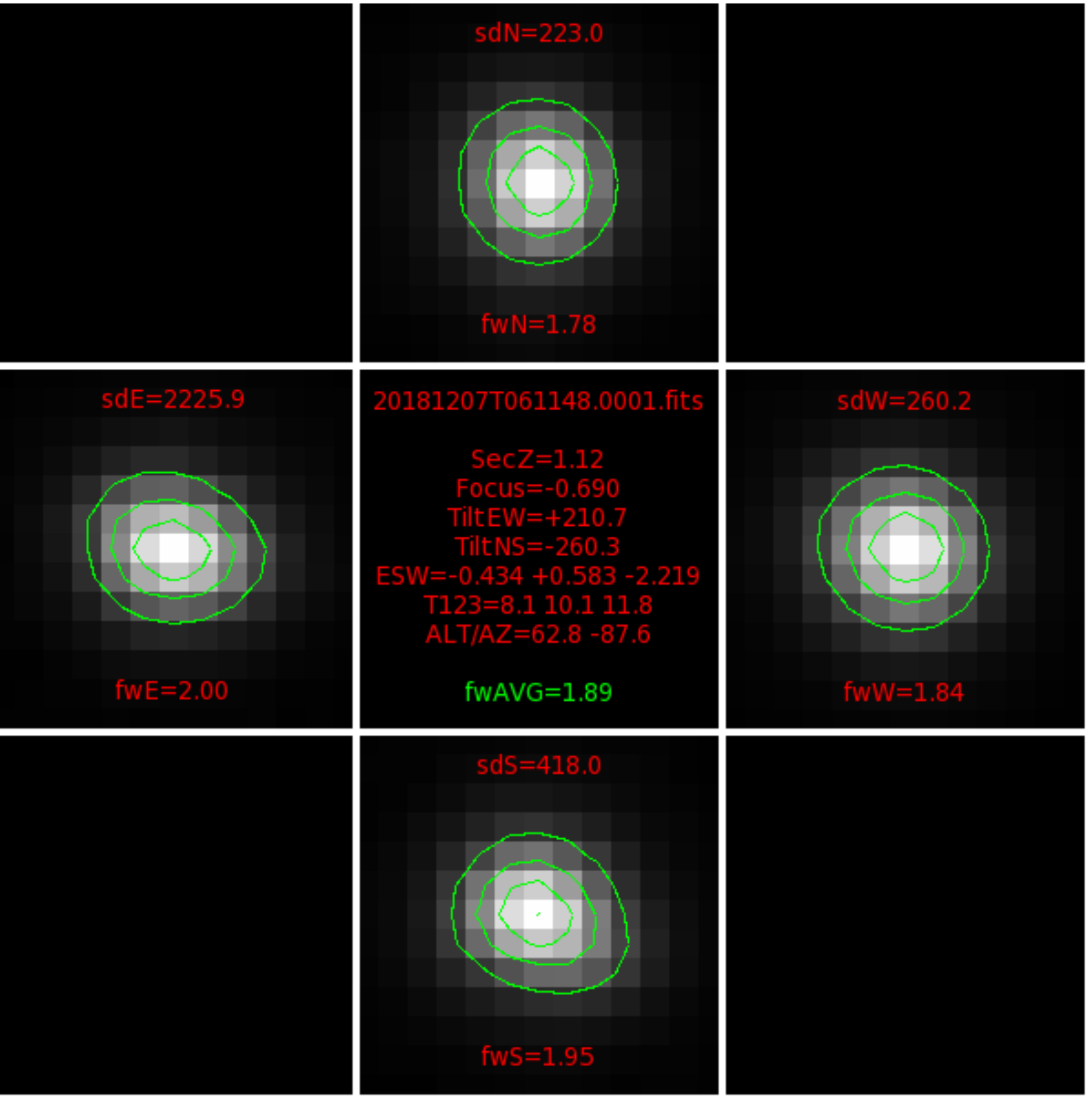
sdN=223.0
fwN=1.78
sdE=2225.9
fwE=2.00
20181207T061148.0001.fits
SecZ=1.12
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.1 11.8
ALT/AZ=62.8 -87.6
fwAVG=1.89
sdW=260.2
fwW=1.84
sdS=418.0
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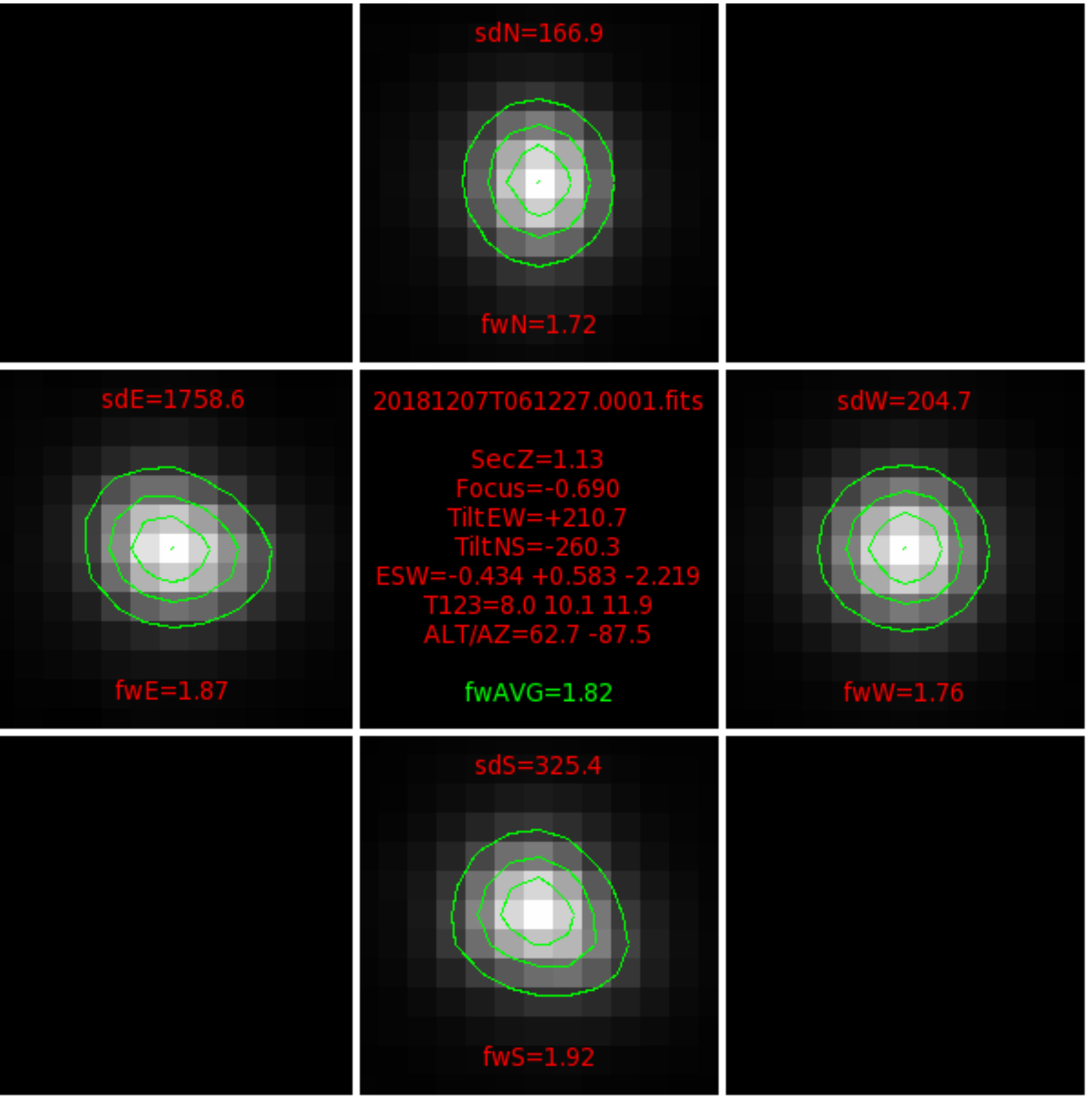
sdN=166.9
fwN=1.72
sdE=1758.6
fwE=1.87
20181207T061227.0001.fits
SecZ=1.13
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.1 11.9
ALT/AZ=62.7 -87.5
fwAVG=1.82
sdW=204.7
fwW=1.76
sdS=325.4
fwS=1.92
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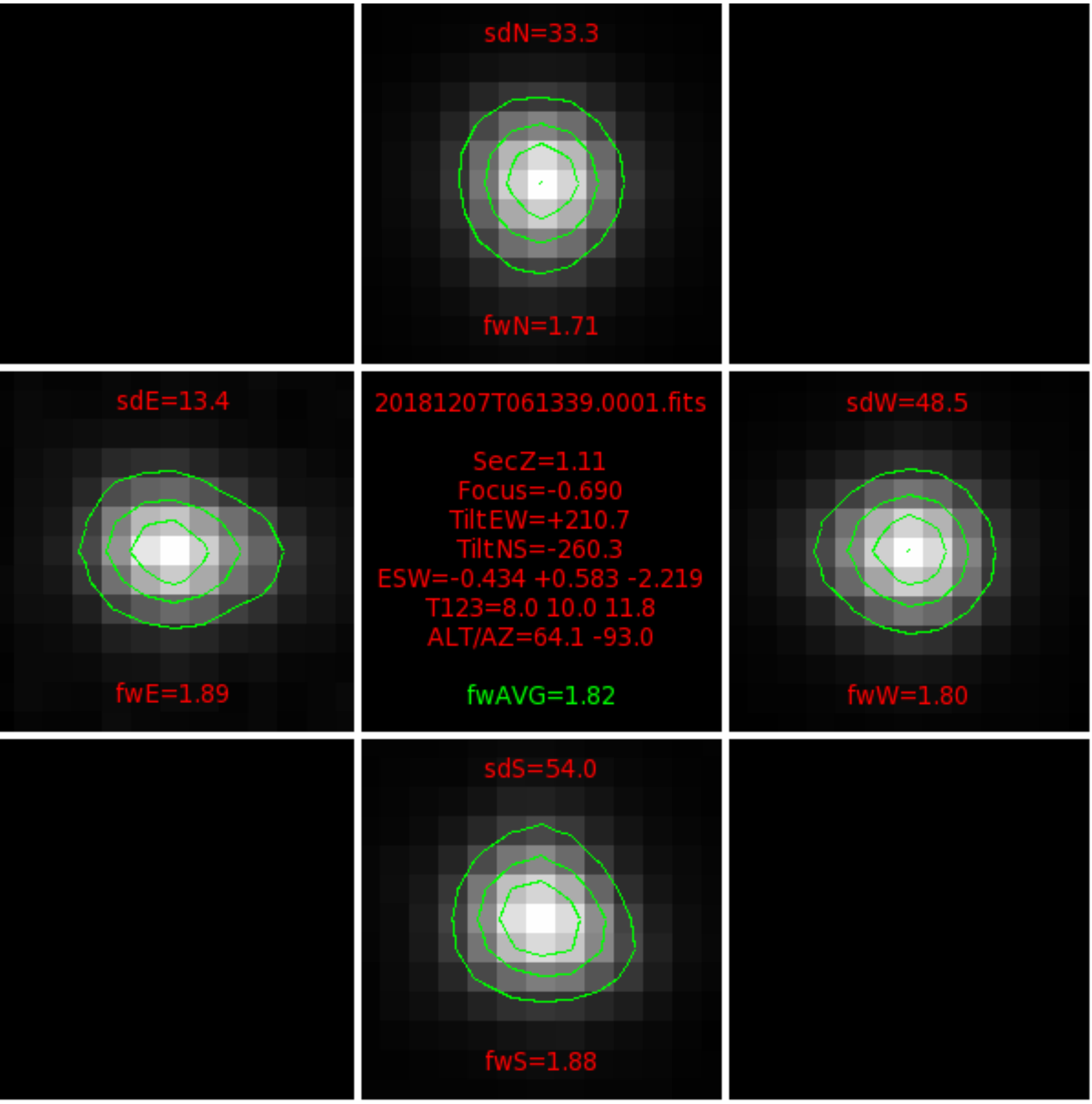
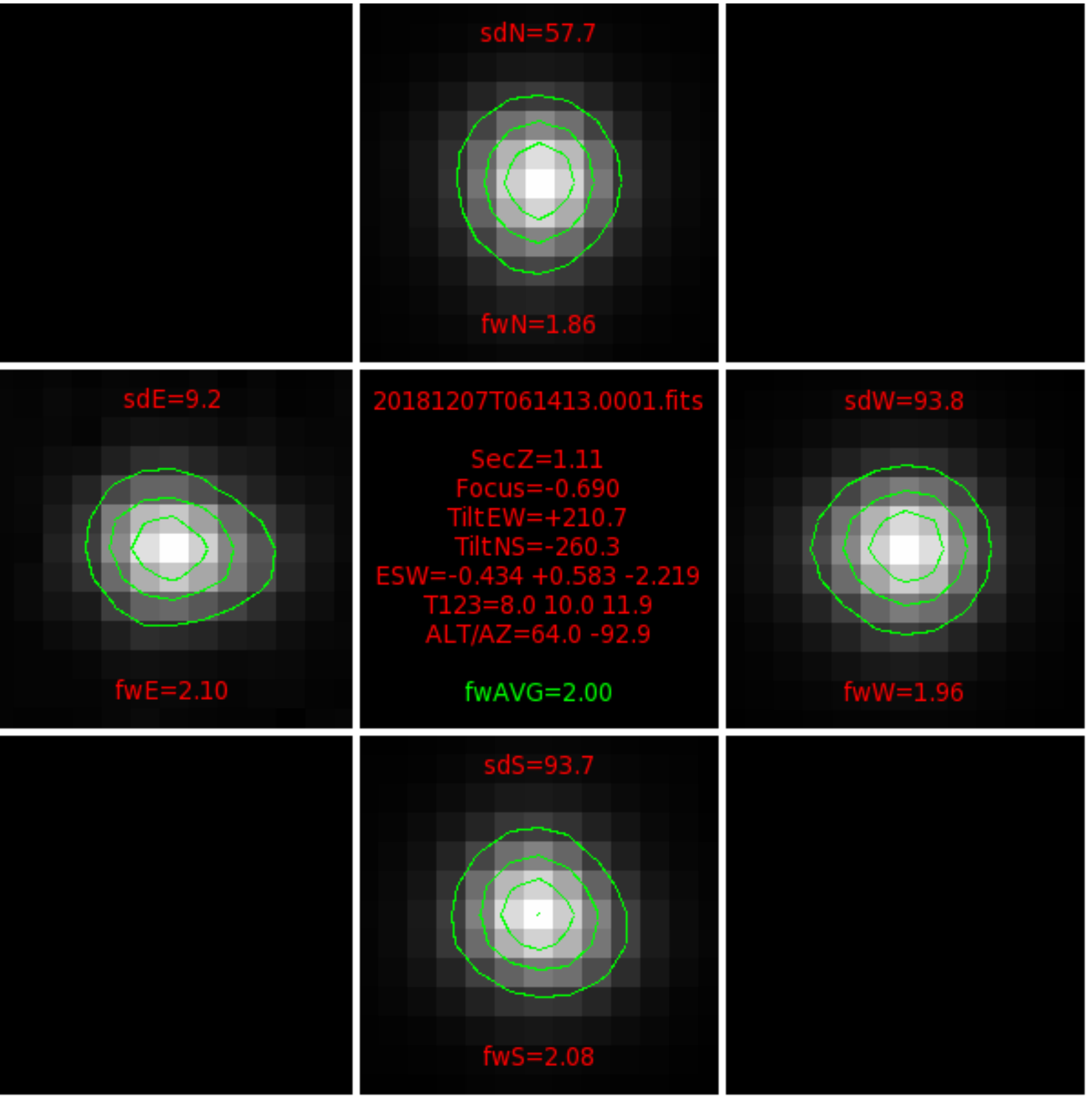

sdN=33.3
fwN=1.71
sdE=13.4
fwE=1.89
20181207T061339.0001.fits
SecZ=1.11
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.0 11.8
ALT/AZ=64.1 -93.0
fwAVG=1.82
sdW=48.5
fwW=1.80
sdS=54.0
fwS=1.88
0 0 0 0 0 0 0 0 0


sdN=57.7
fwN=1.86
sdE=9.2
fwE=2.10
20181207T061413.0001.fits
SecZ=1.11
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.0 11.9
ALT/AZ=64.0 -92.9
fwAVG=2.00
sdW=93.8
fwW=1.96
sdS=93.7
fwS=2.08
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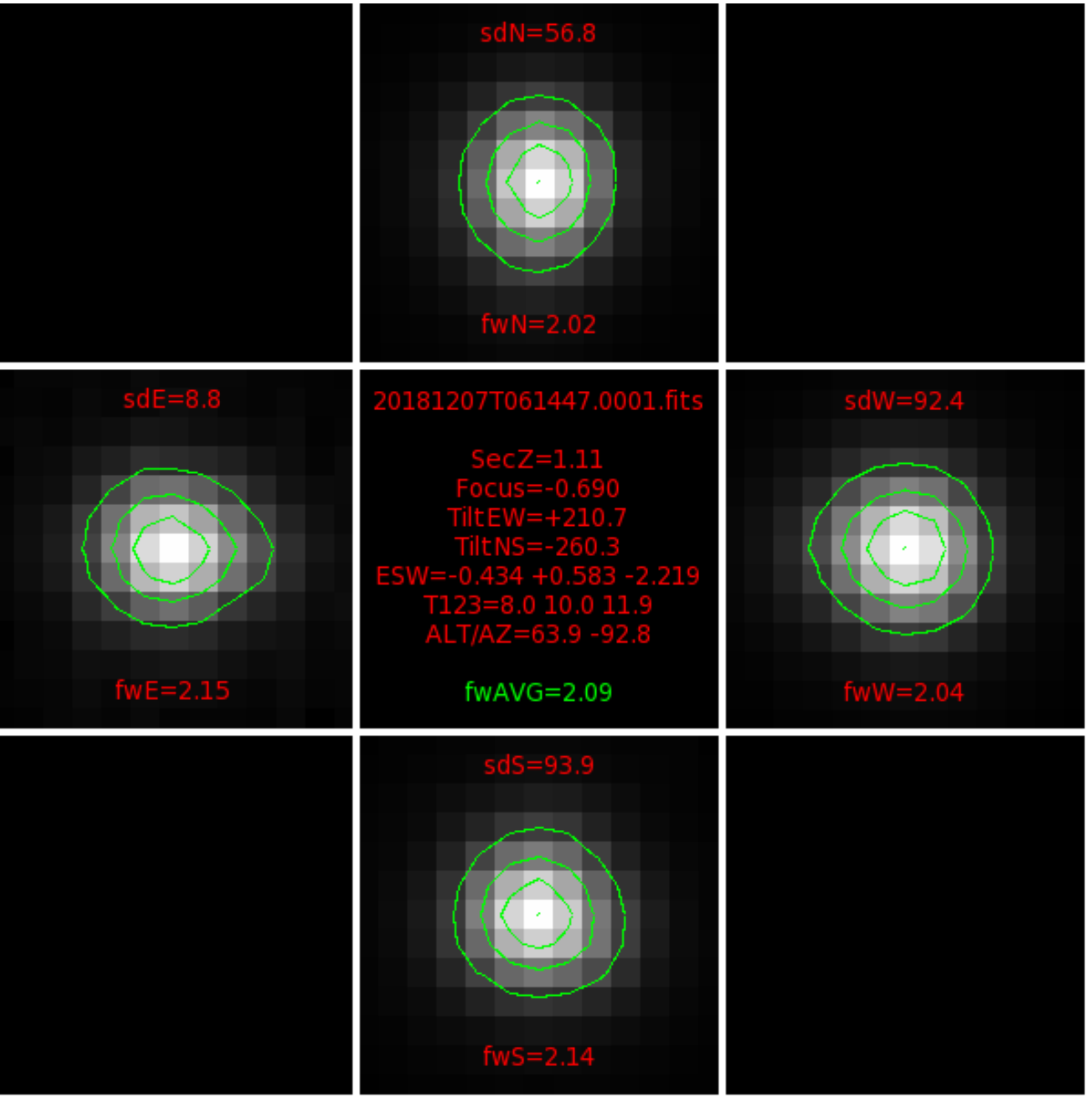
sdN=56.8
fwN=2.02
sdE=8.8
fwE=2.15
20181207T061447.0001.fits
SecZ=1.11
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.0 11.9
ALT/AZ=63.9 -92.8
fwAVG=2.09
sdW=92.4
fwW=2.04
sdS=93.9
fwS=2.14
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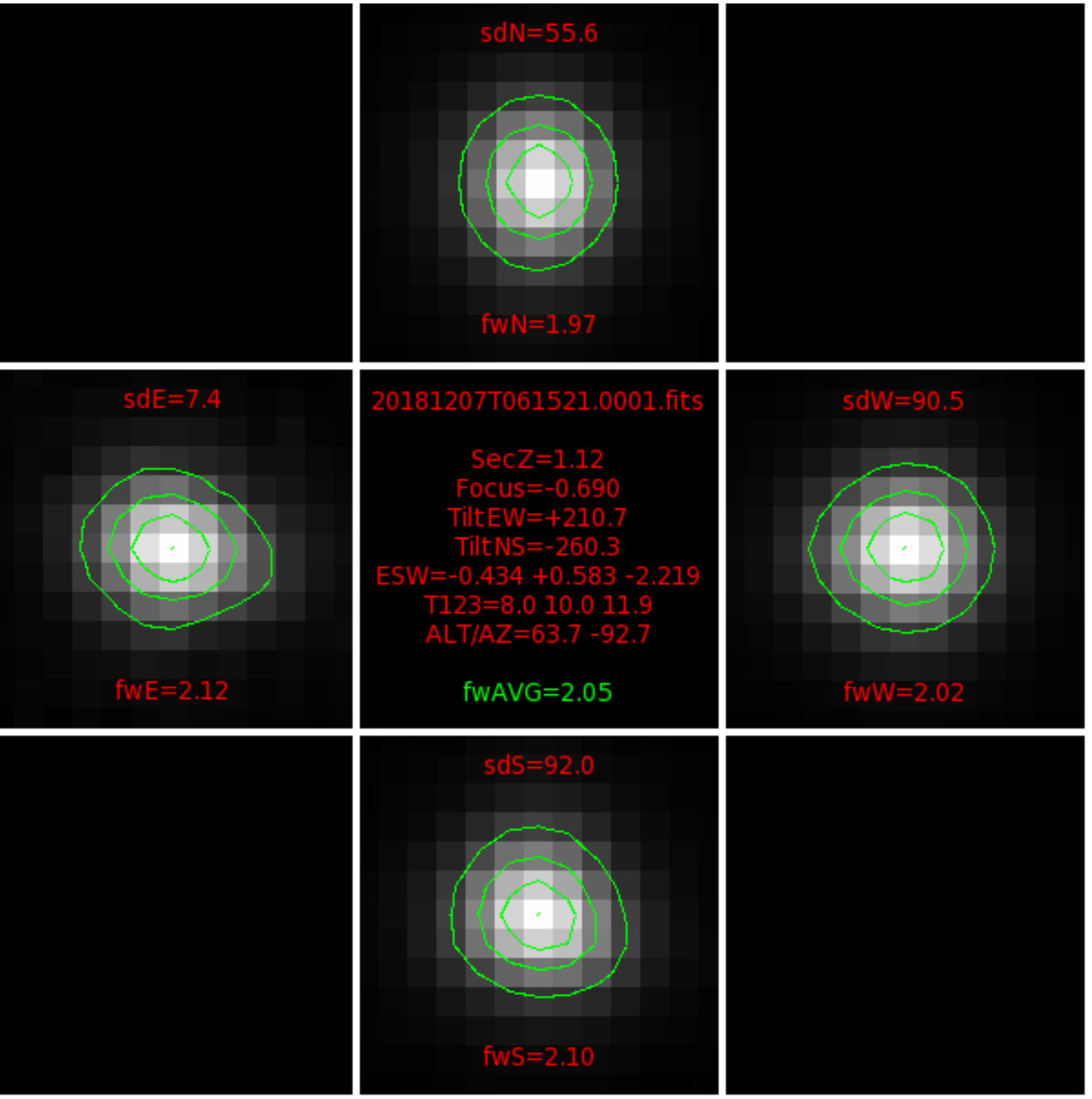
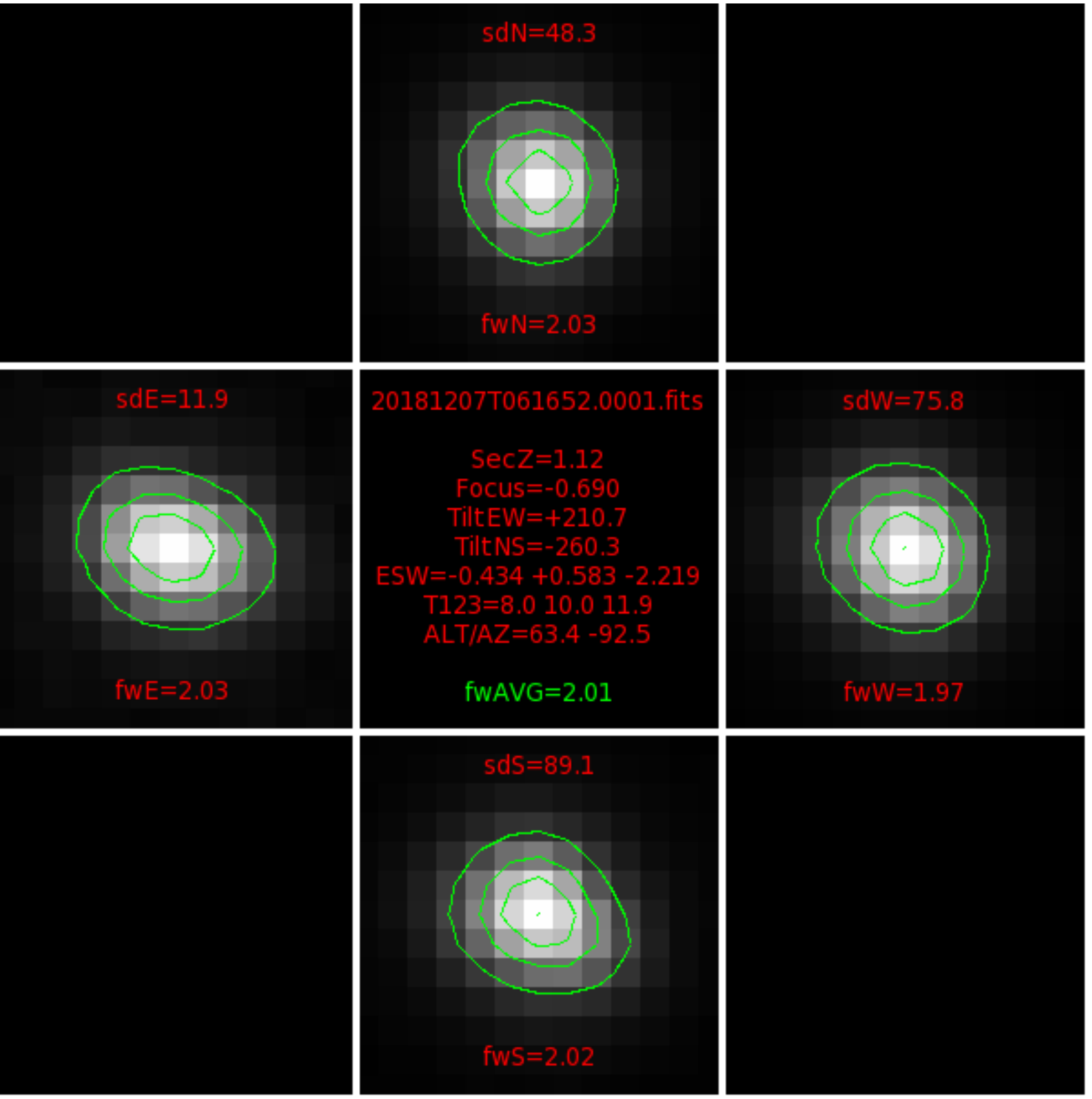

sdN=55.6
fwN=1.97
sdE=7.4
fwE=2.12
20181207T061521.0001.fits
SecZ=1.12
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.0 11.9
ALT/AZ=63.7 -92.7
fwAVG=2.05
sdW=90.5
fwW=2.02
sdS=92.0
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=48.3
fwN=2.03
sdE=11.9
fwE=2.03
20181207T061652.0001.fits
SecZ=1.12
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.0 11.9
ALT/AZ=63.4 -92.5
fwAVG=2.01
sdW=75.8
fwW=1.97
sdS=89.1
fwS=2.02
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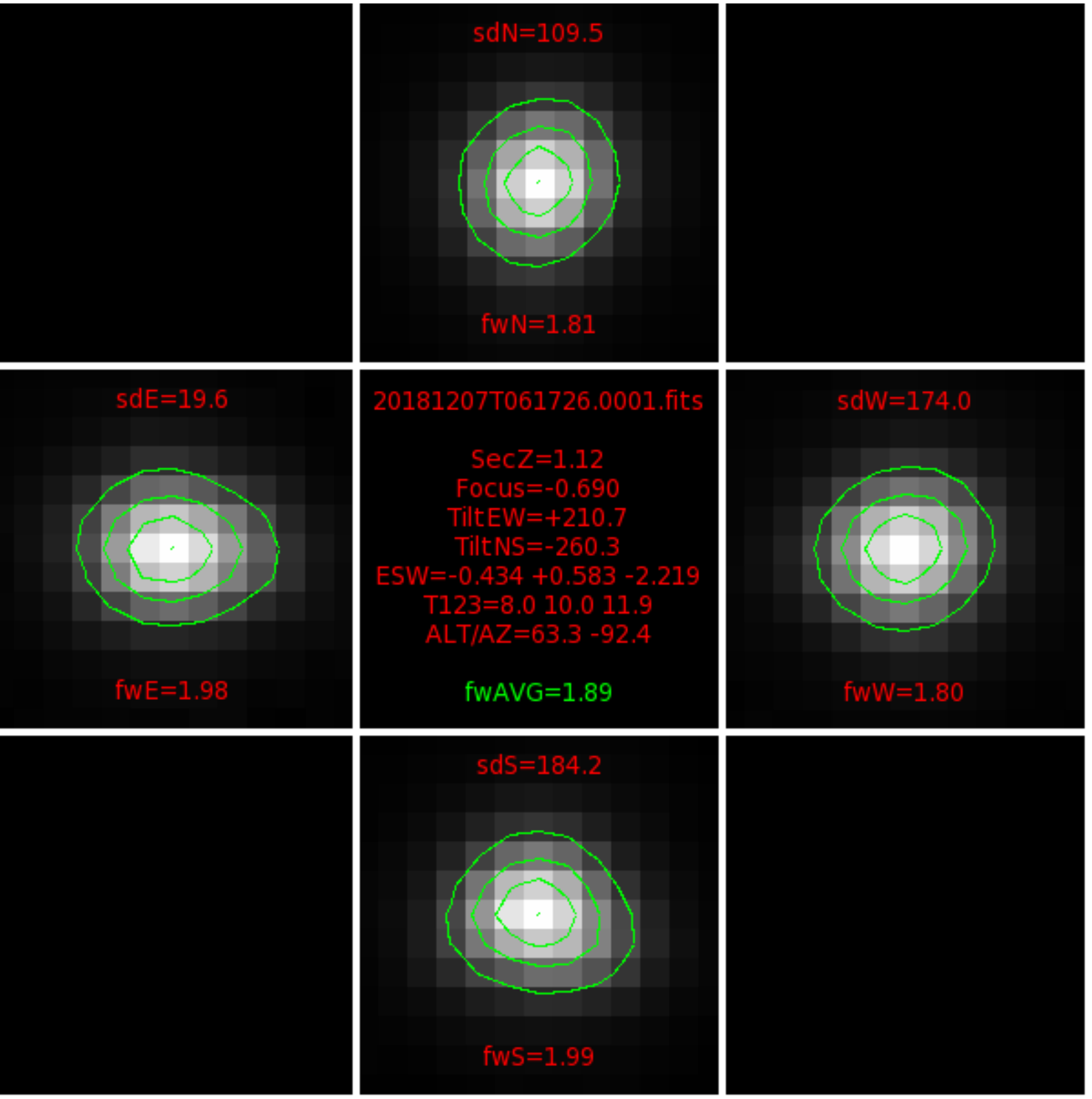
sdN=109.5
fwN=1.81
sdE=19.6
fwE=1.98
20181207T061726.0001.fits
SecZ=1.12
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.0 11.9
ALT/AZ=63.3 -92.4
fwAVG=1.89
sdW=174.0
fwW=1.80
sdS=184.2
fwS=1.99
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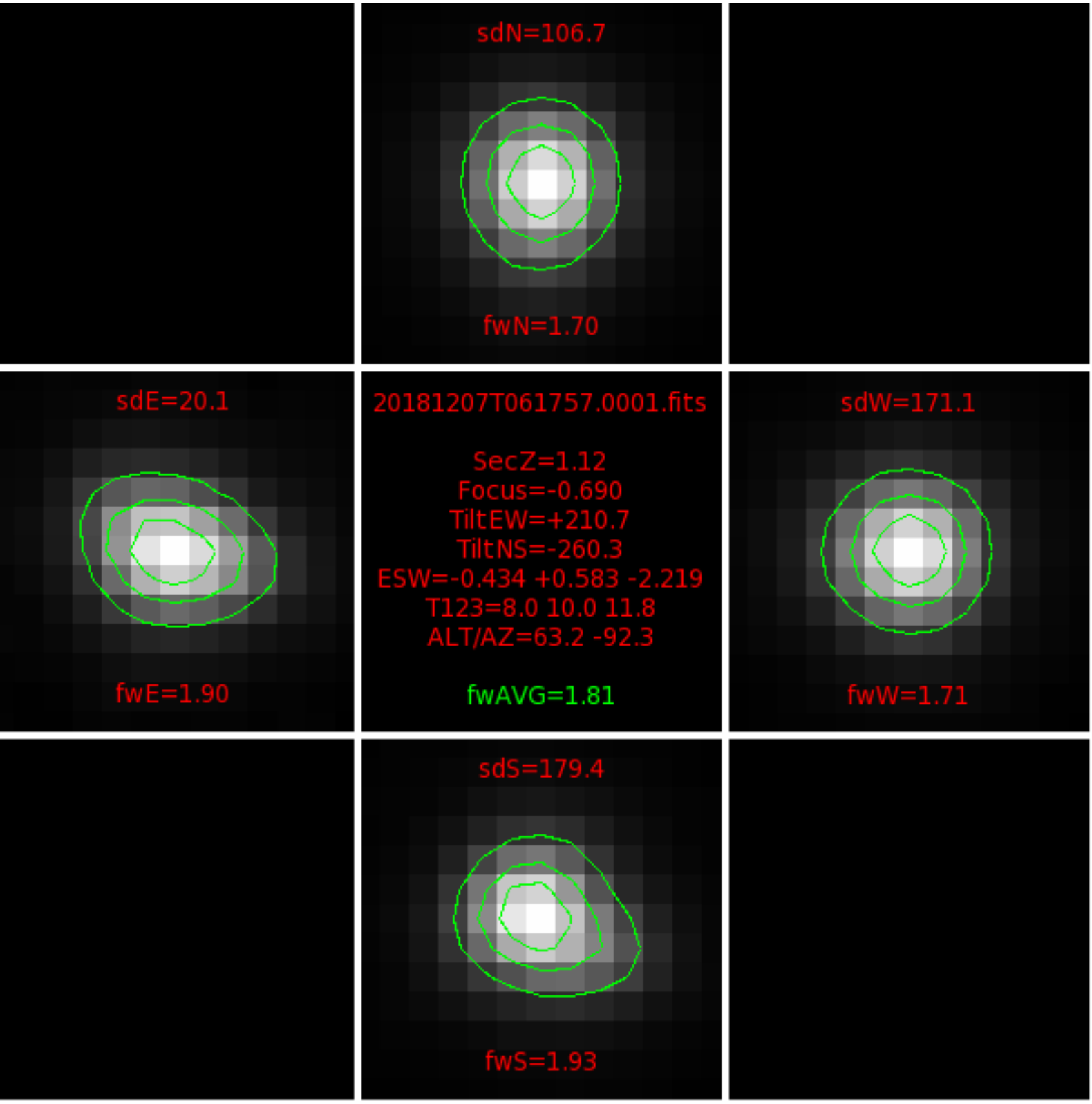
sdN=106.7
fwN=1.70
sdE=20.1
fwE=1.90
20181207T061757.0001.fits
SecZ=1.12
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.0 11.8
ALT/AZ=63.2 -92.3
fwAVG=1.81
sdW=171.1
fwW=1.71
sdS=179.4
fwS=1.93
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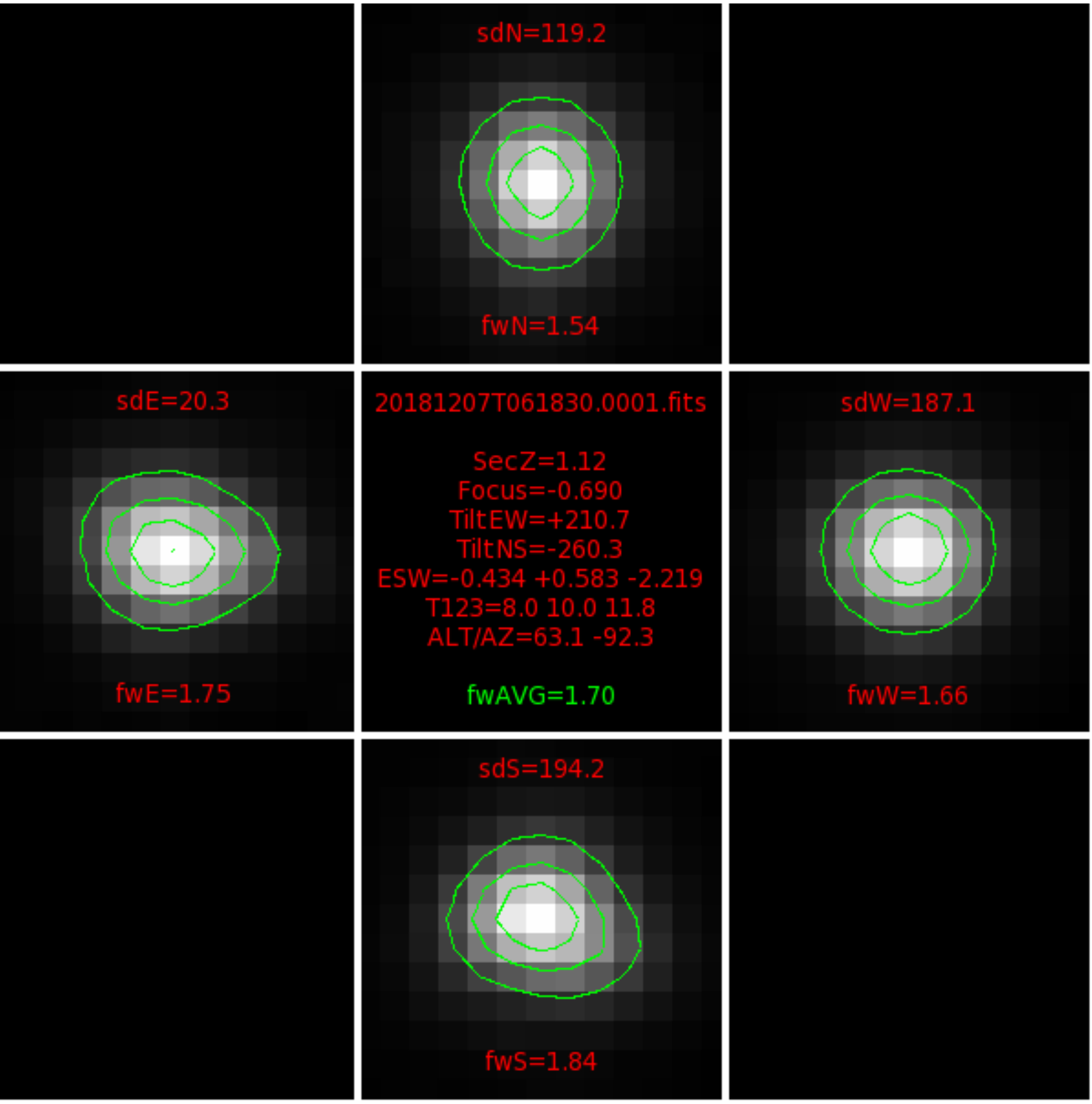
sdN=119.2
fwN=1.54
sdE=20.3
fwE=1.75
20181207T061830.0001.fits
SecZ=1.12
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.0 11.8
ALT/AZ=63.1 -92.3
fwAVG=1.70
sdW=187.1
fwW=1.66
sdS=194.2
fwS=1.84
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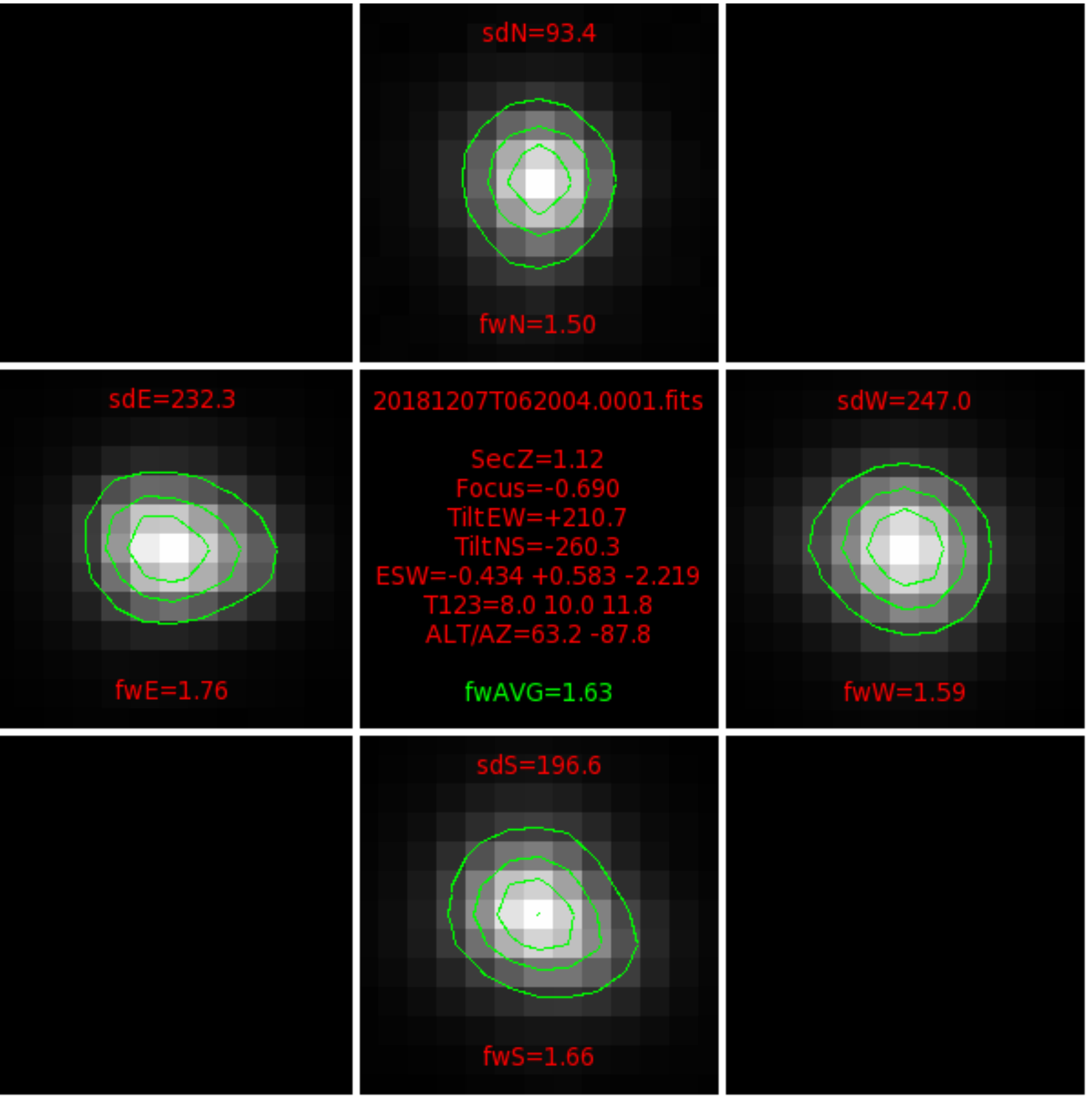
sdN=93.4
fwN=1.50
sdE=232.3
fwE=1.76
20181207T062004.0001.fits
SecZ=1.12
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.0 11.8
ALT/AZ=63.2 -87.8
fwAVG=1.63
sdW=247.0
fwW=1.59
sdS=196.6
fwS=1.66
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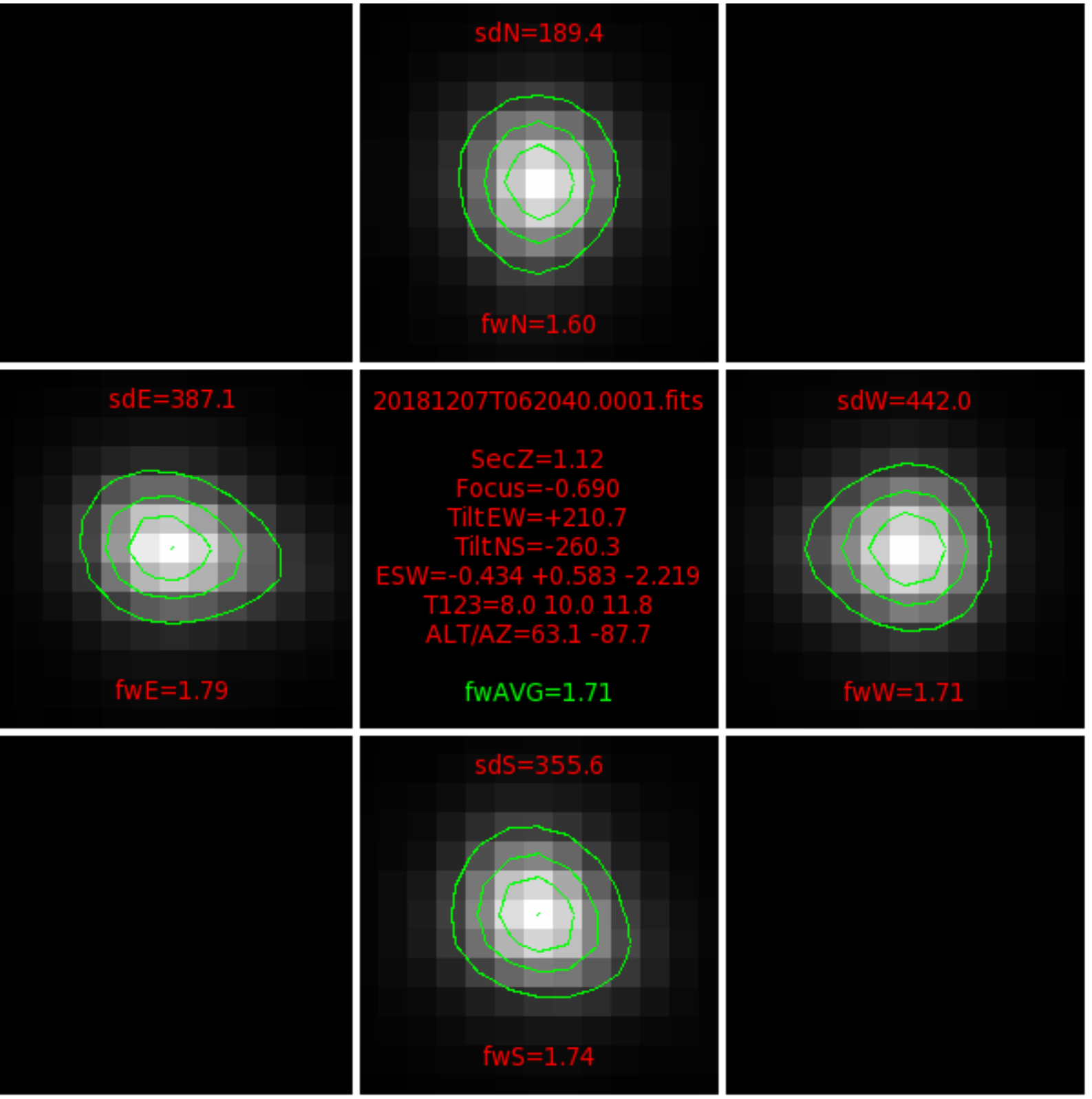
sdN=189.4
fwN=1.60
sdE=387.1
fwE=1.79
20181207T062040.0001.fits
SecZ=1.12
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.0 11.8
ALT/AZ=63.1 -87.7
fwAVG=1.71
sdW=442.0
fwW=1.71
sdS=355.6
fwS=1.74
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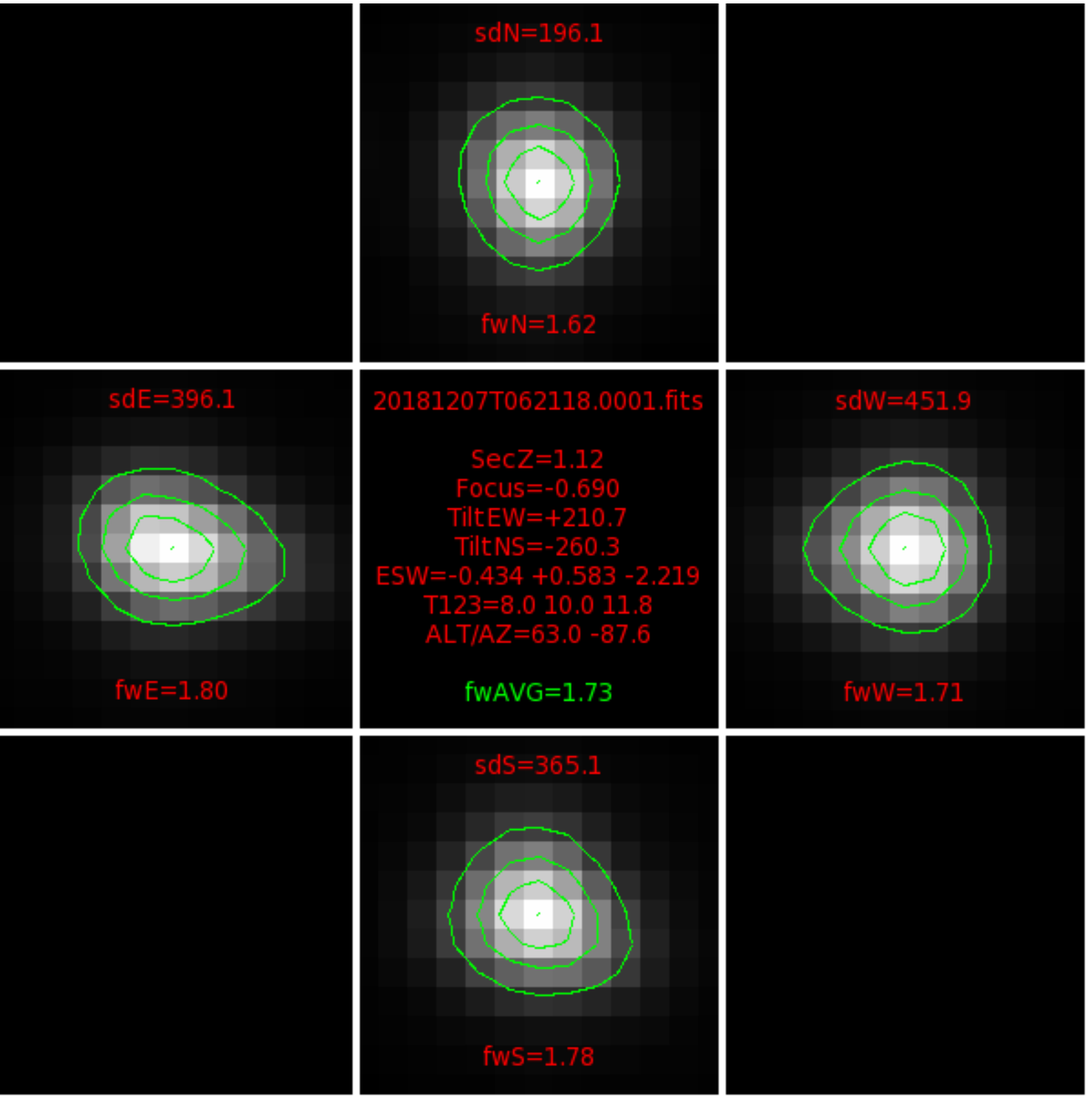
sdN=196.1
fwN=1.62
sdE=396.1
fwE=1.80
20181207T062118.0001.fits
SecZ=1.12
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.0 11.8
ALT/AZ=63.0 -87.6
fwAVG=1.73
sdW=451.9
fwW=1.71
sdS=365.1
fwS=1.78
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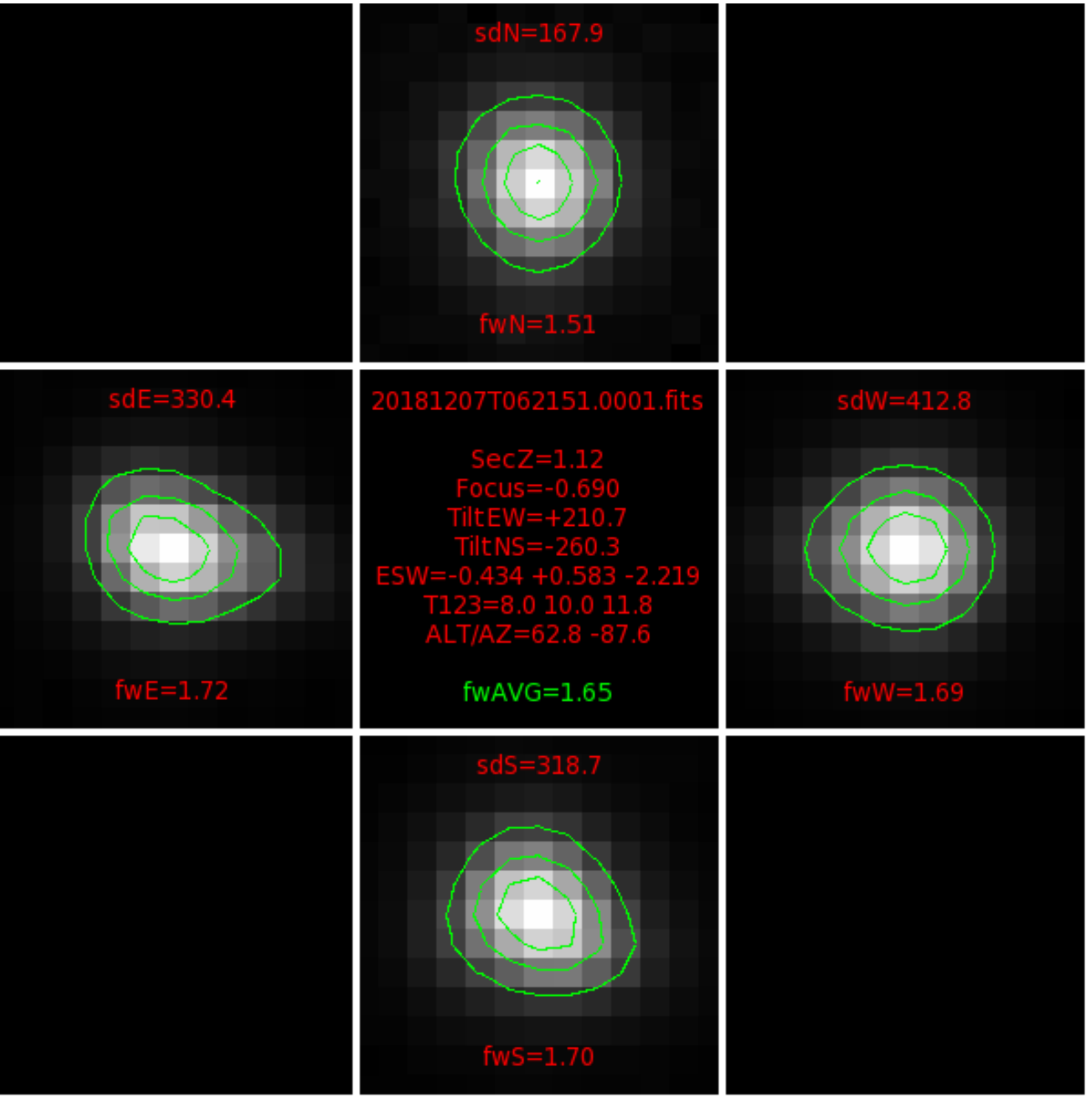
sdN=167.9
fwN=1.51
sdE=330.4
fwE=1.72
20181207T062151.0001.fits
SecZ=1.12
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.0 11.8
ALT/AZ=62.8 -87.6
fwAVG=1.65
sdW=412.8
fwW=1.69
sdS=318.7
fwS=1.70
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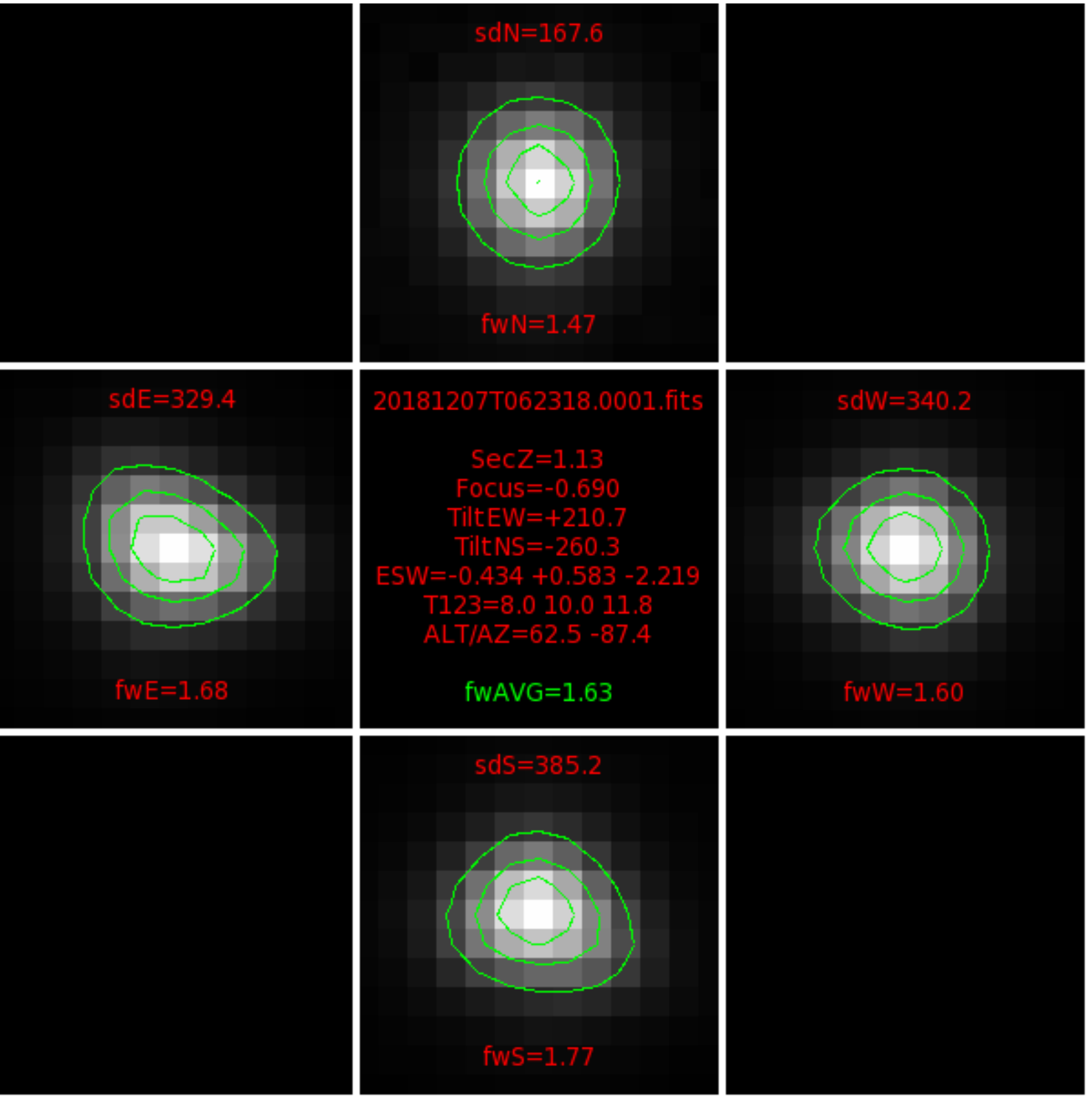
sdN=167.6
fwN=1.47
sdE=329.4
fwE=1.68
20181207T062318.0001.fits
SecZ=1.13
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.0 11.8
ALT/AZ=62.5 -87.4
fwAVG=1.63
sdW=340.2
fwW=1.60
sdS=385.2
fwS=1.77
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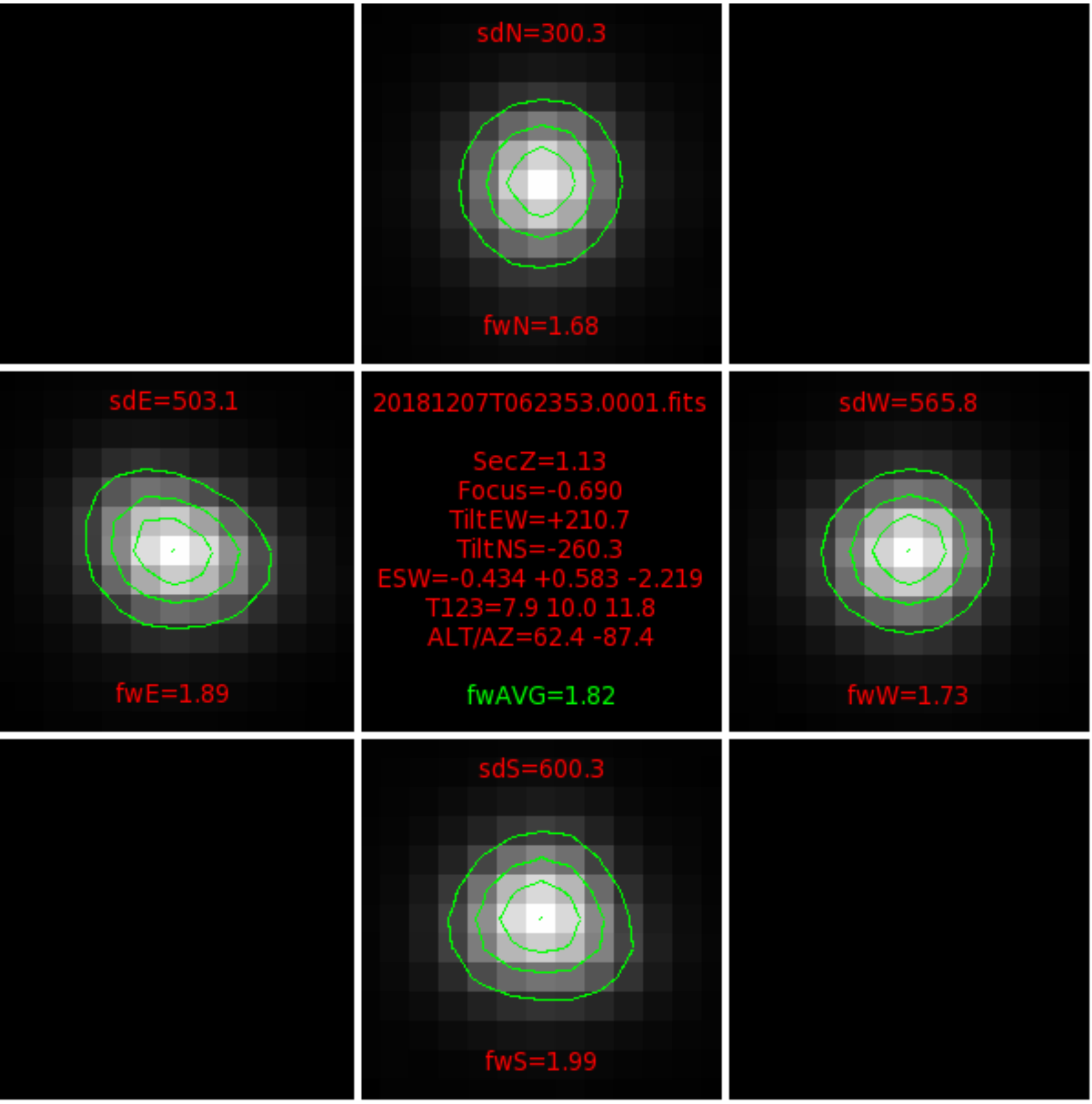
sdN=300.3
fwN=1.68
sdE=503.1
fwE=1.89
20181207T062353.0001.fits
SecZ=1.13
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.9 10.0 11.8
ALT/AZ=62.4 -87.4
fwAVG=1.82
sdW=565.8
fwW=1.73
sdS=600.3
fwS=1.99
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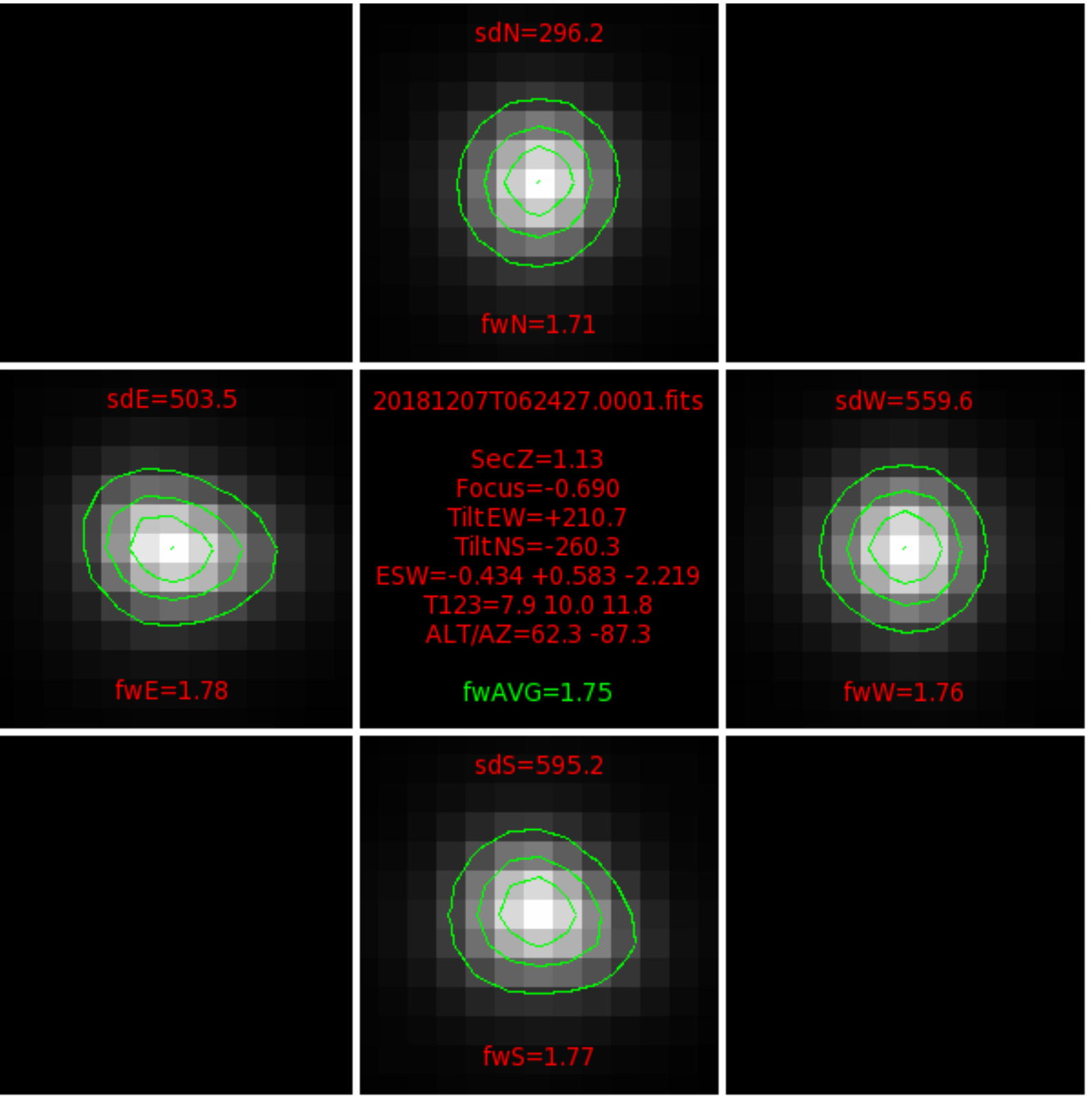
sdN=296.2
fwN=1.71
sdE=503.5
fwE=1.78
20181207T062427.0001.fits
SecZ=1.13
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.9 10.0 11.8
ALT/AZ=62.3 -87.3
fwAVG=1.75
sdW=559.6
fwW=1.76
sdS=595.2
fwS=1.77
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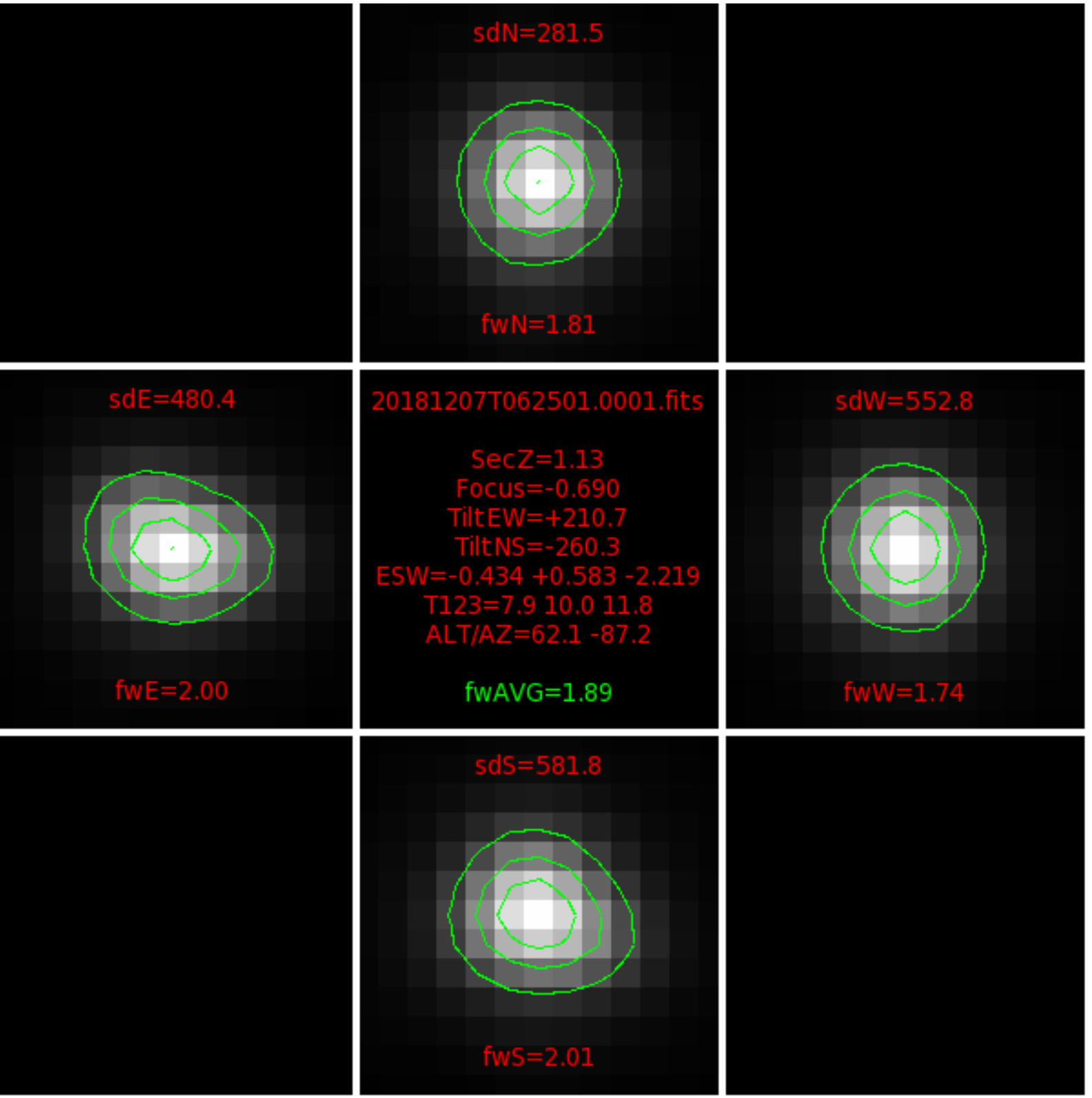
sdN=281.5
fwN=1.81
sdE=480.4
fwE=2.00
20181207T062501.0001.fits
SecZ=1.13
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.9 10.0 11.8
ALT/AZ=62.1 -87.2
fwAVG=1.89
sdW=552.8
fwW=1.74
sdS=581.8
fwS=2.01
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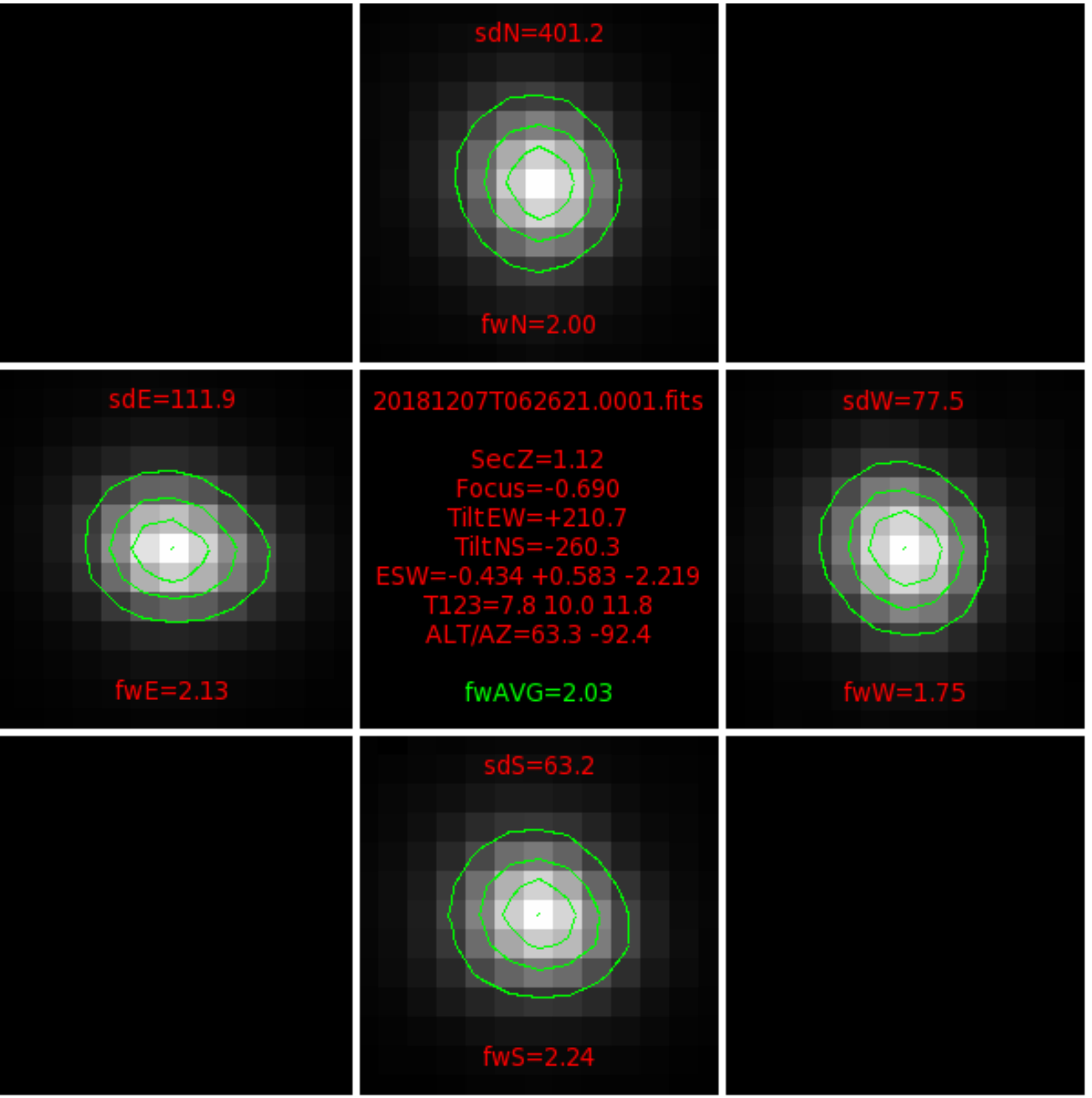
sdN=401.2
fwN=2.00
sdE=111.9
fwE=2.13
20181207T062621.0001.fits
SecZ=1.12
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 10.0 11.8
ALT/AZ=63.3 -92.4
fwAVG=2.03
sdW=77.5
fwW=1.75
sdS=63.2
fwS=2.24
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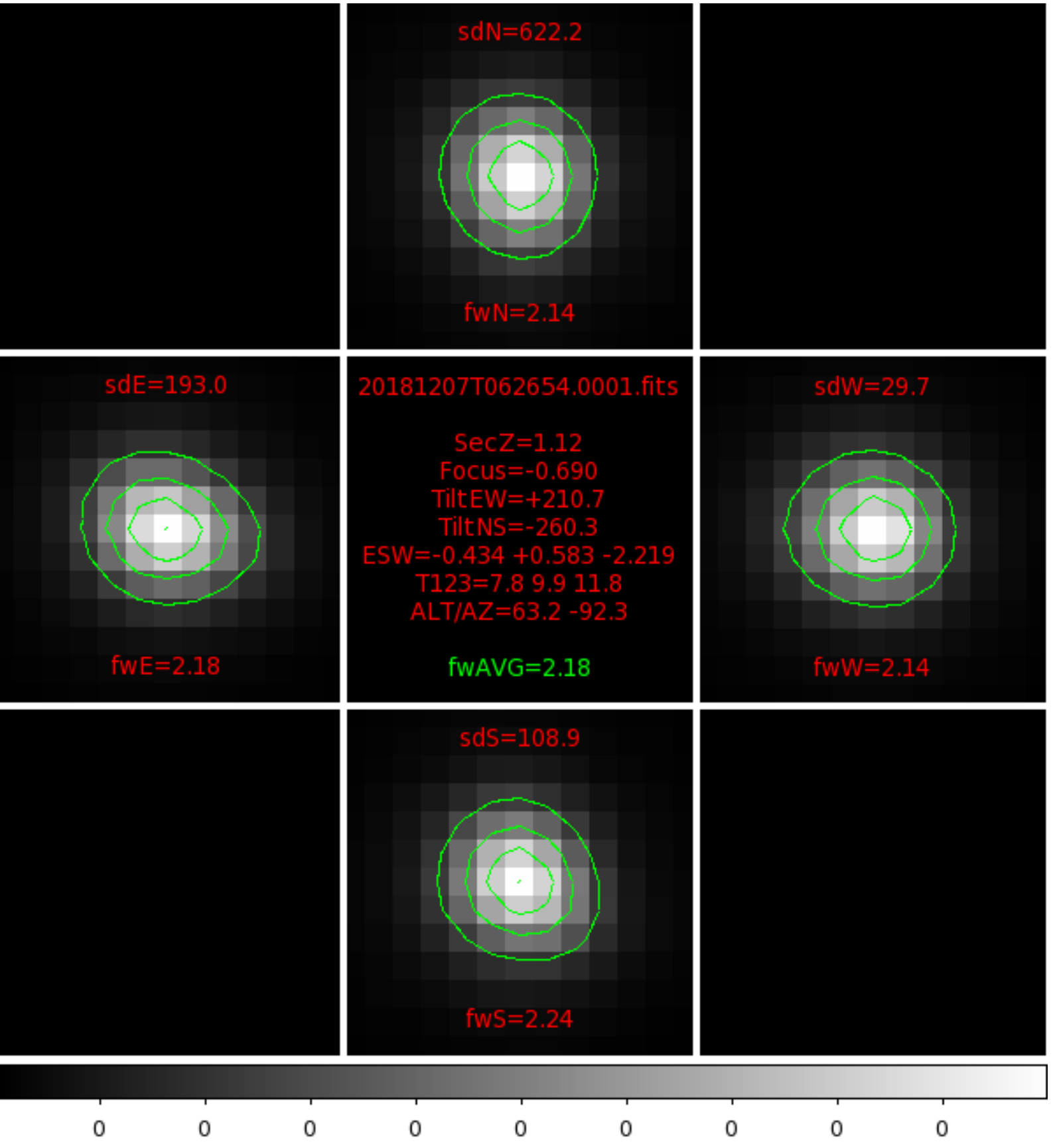
sdN=622.2
fwN=2.14
sdE=193.0
fwE=2.18
20181207T062654.0001.fits
SecZ=1.12
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.9 11.8
ALT/AZ=63.2 -92.3
fwAVG=2.18
sdW=29.7
fwW=2.14
sdS=108.9
fwS=2.24
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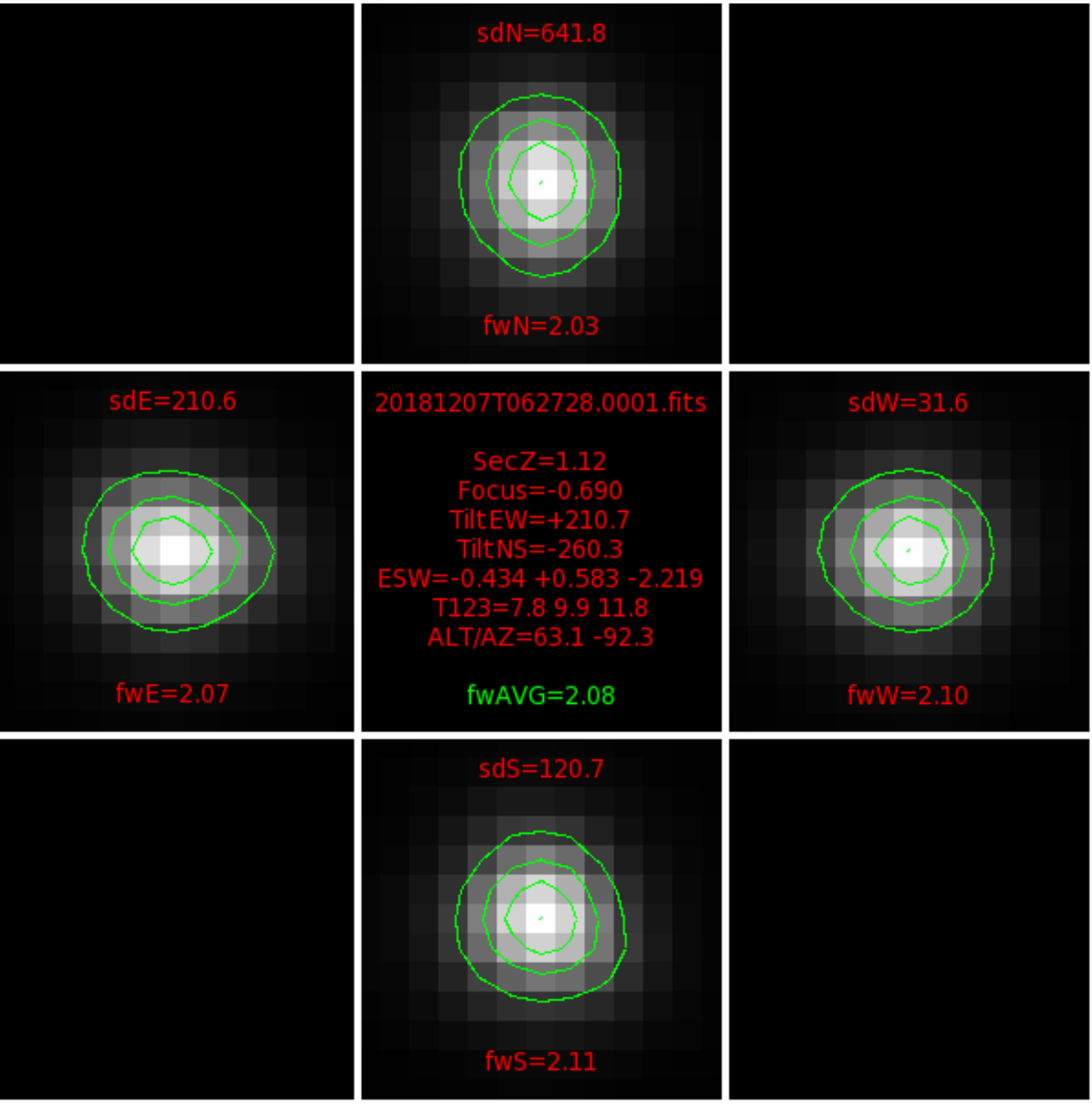
sdN=641.8
fwN=2.03
sdE=210.6
fwE=2.07
20181207T062728.0001.fits
SecZ=1.12
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.9 11.8
ALT/AZ=63.1 -92.3
fwAVG=2.08
sdW=31.6
fwW=2.10
sdS=120.7
fwS=2.11
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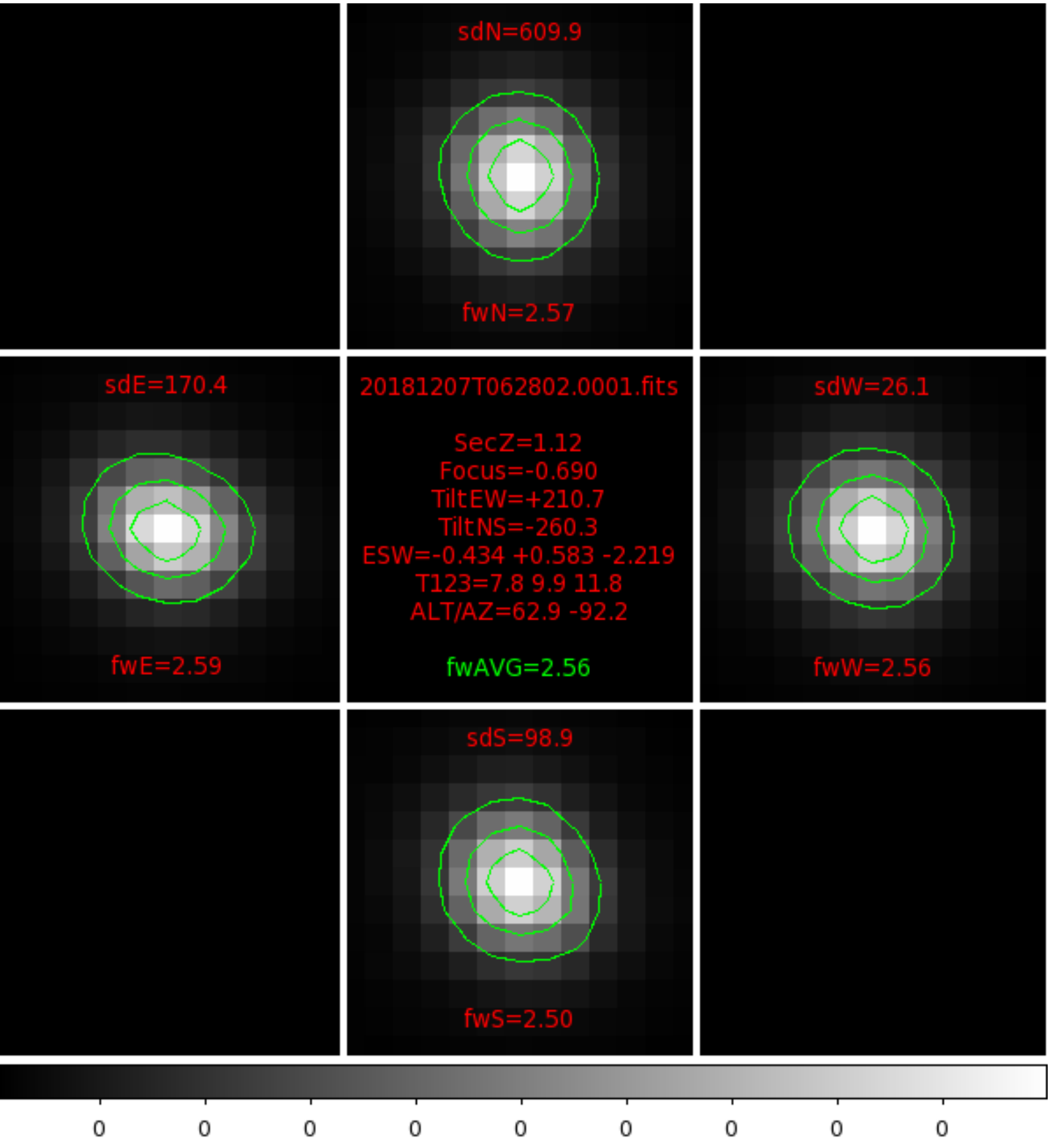
sdN=609.9
fwN=2.57
sdE=170.4
fwE=2.59
20181207T062802.0001.fits
SecZ=1.12
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.9 11.8
ALT/AZ=62.9 -92.2
fwAVG=2.56
sdW=26.1
fwW=2.56
sdS=98.9
fwS=2.50
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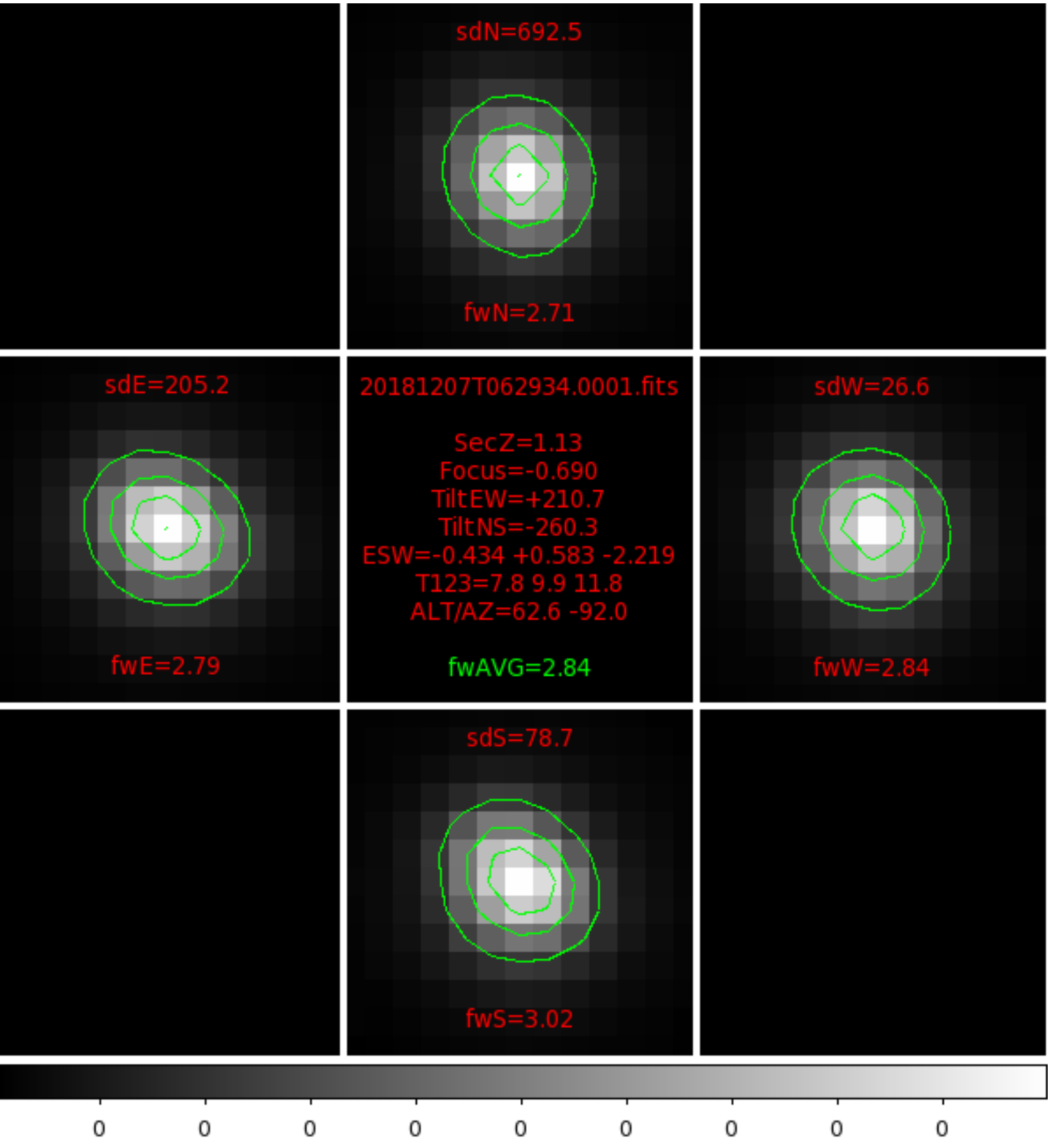
sdN=692.5
fwN=2.71
sdE=205.2
fwE=2.79
20181207T062934.0001.fits
SecZ=1.13
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.9 11.8
ALT/AZ=62.6 -92.0
fwAVG=2.84
sdW=26.6
fwW=2.84
sdS=78.7
fwS=3.02
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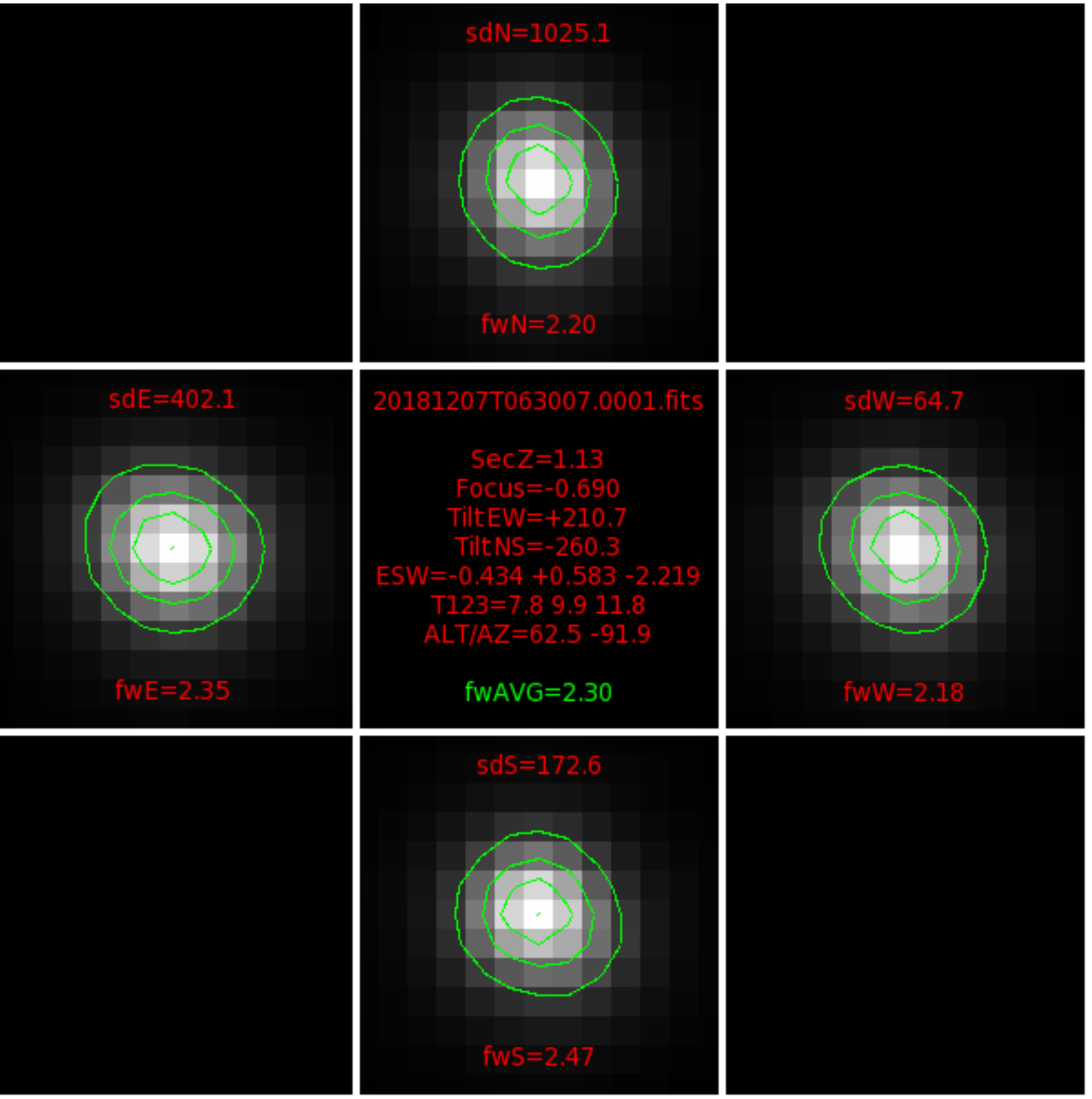
sdN=1025.1
fwN=2.20
sdE=402.1
fwE=2.35
20181207T063007.0001.fits
SecZ=1.13
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.9 11.8
ALT/AZ=62.5 -91.9
fwAVG=2.30
sdW=64.7
fwW=2.18
sdS=172.6
fwS=2.47
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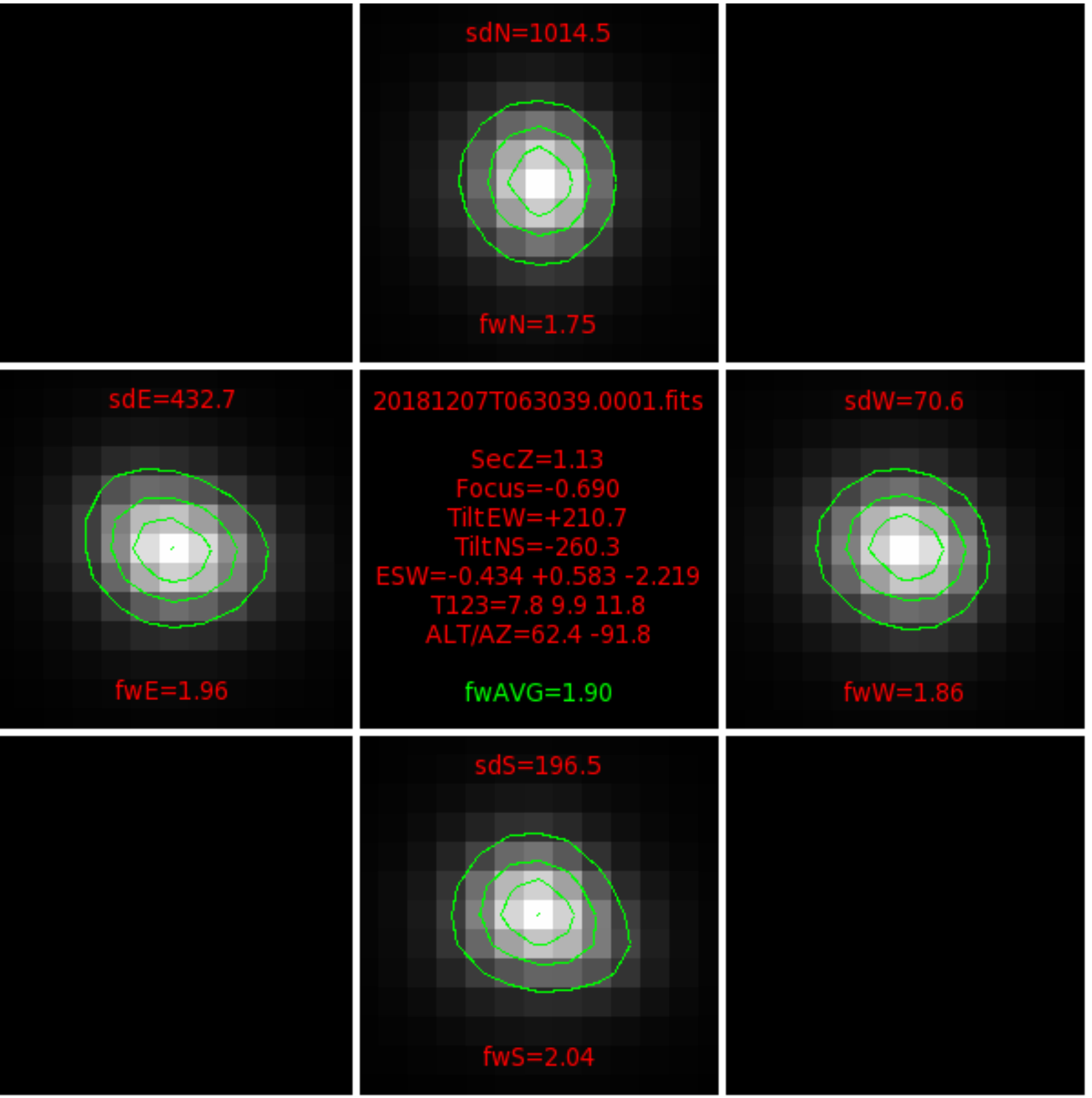
sdN=1014.5
fwN=1.75
sdE=432.7
fwE=1.96
20181207T063039.0001.fits
SecZ=1.13
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.9 11.8
ALT/AZ=62.4 -91.8
fwAVG=1.90
sdW=70.6
fwW=1.86
sdS=196.5
fwS=2.04
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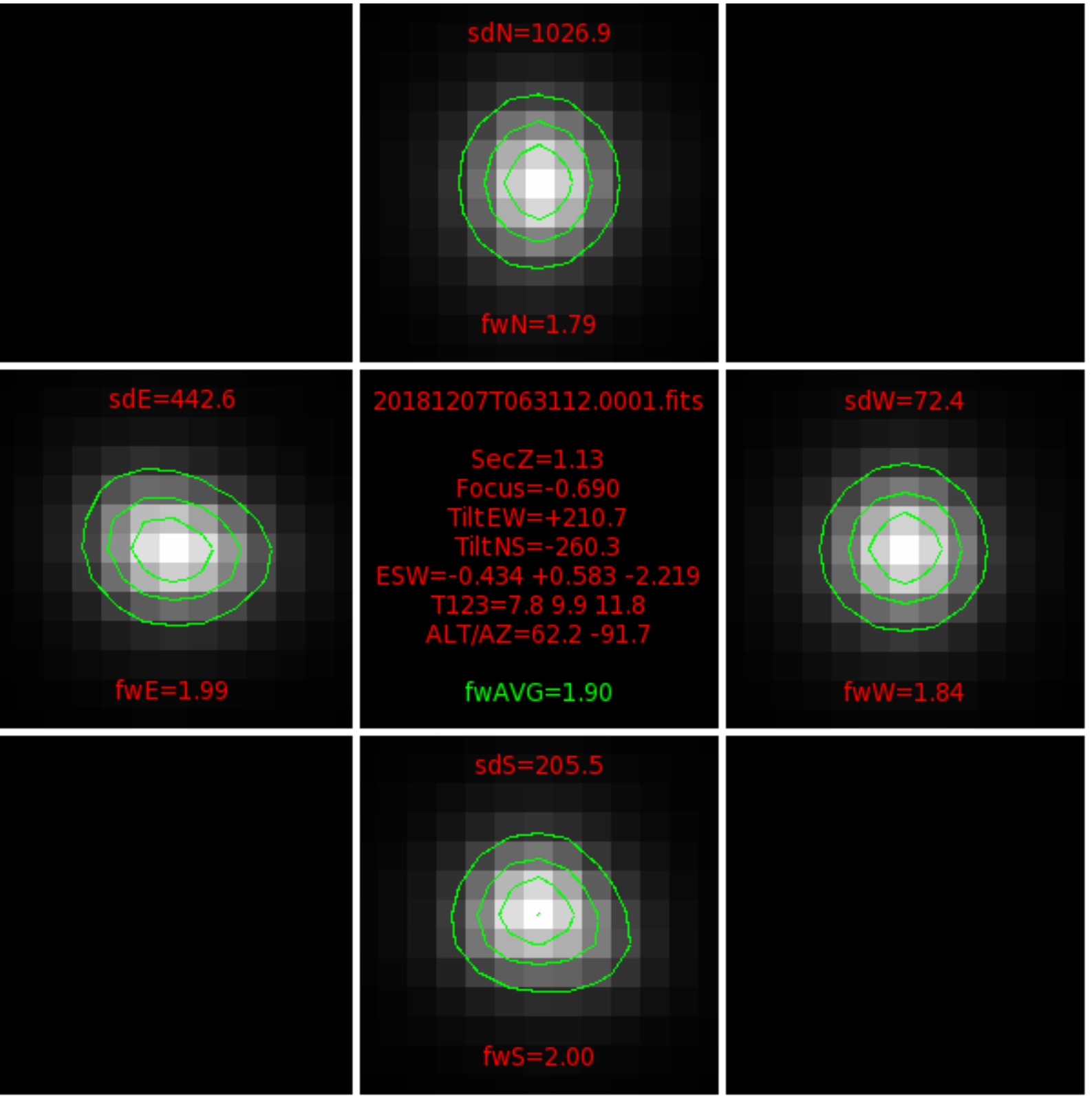
sdN=1026.9
fwN=1.79
sdE=442.6
fwE=1.99
20181207T063112.0001.fits
SecZ=1.13
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.9 11.8
ALT/AZ=62.2 -91.7
fwAVG=1.90
sdW=72.4
fwW=1.84
sdS=205.5
fwS=2.00
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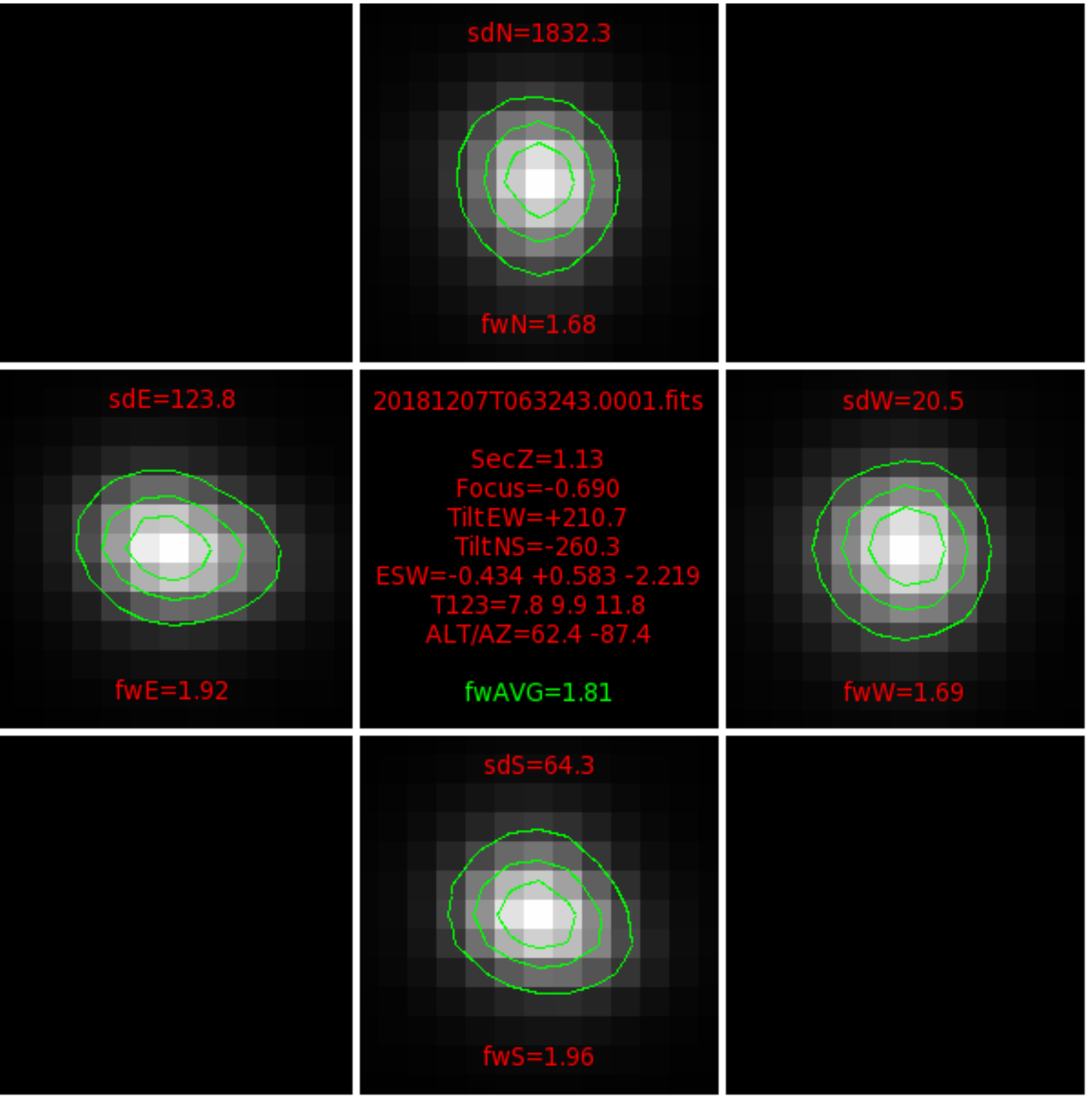
sdN=1832.3
fwN=1.68
sdE=123.8
fwE=1.92
20181207T063243.0001.fits
SecZ=1.13
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.9 11.8
ALT/AZ=62.4 -87.4
fwAVG=1.81
sdW=20.5
fwW=1.69
sdS=64.3
fwS=1.96
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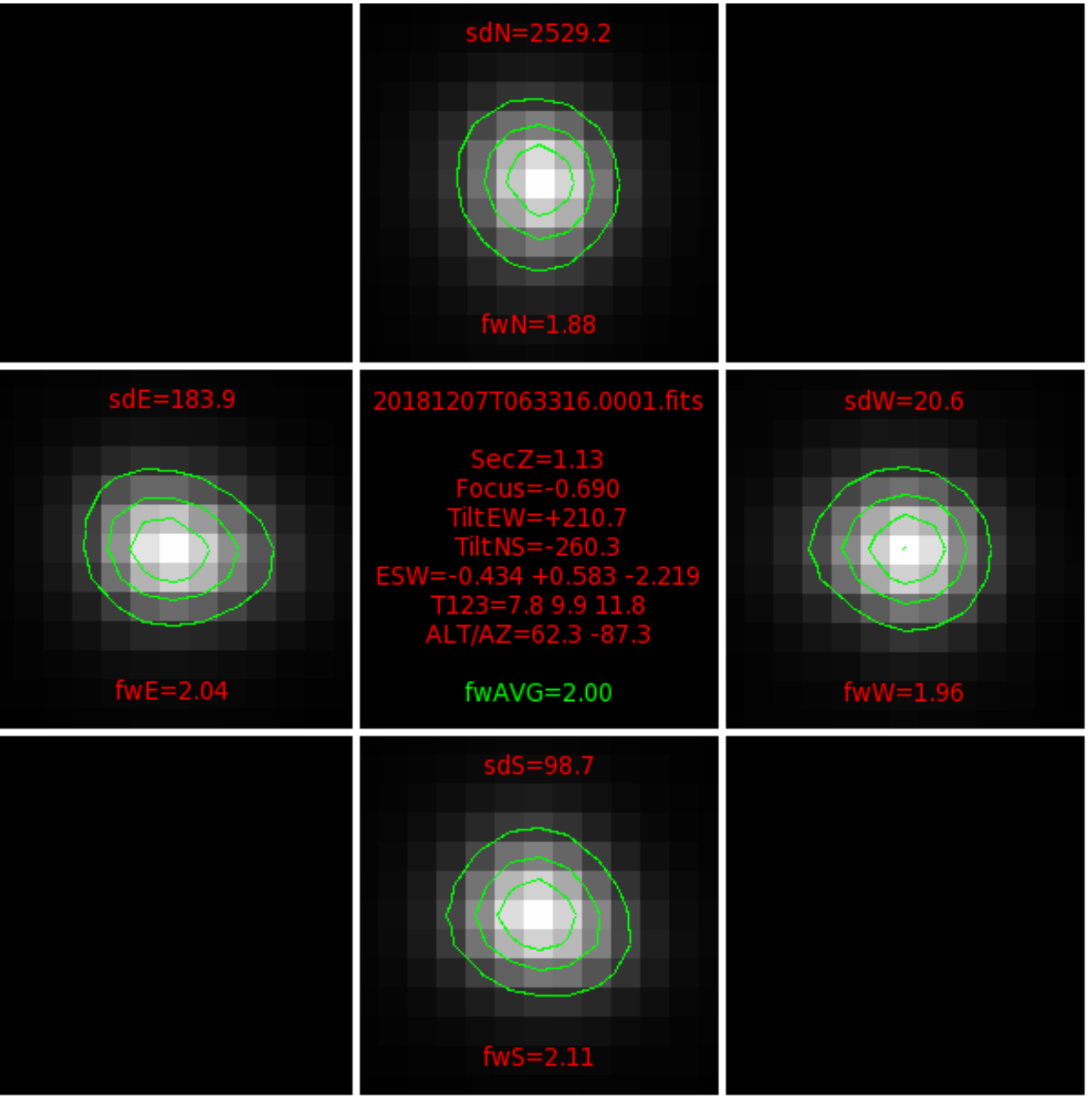
sdN=2529.2
fwN=1.88
sdE=183.9
fwE=2.04
20181207T063316.0001.fits
SecZ=1.13
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.9 11.8
ALT/AZ=62.3 -87.3
fwAVG=2.00
sdW=20.6
fwW=1.96
sdS=98.7
fwS=2.11
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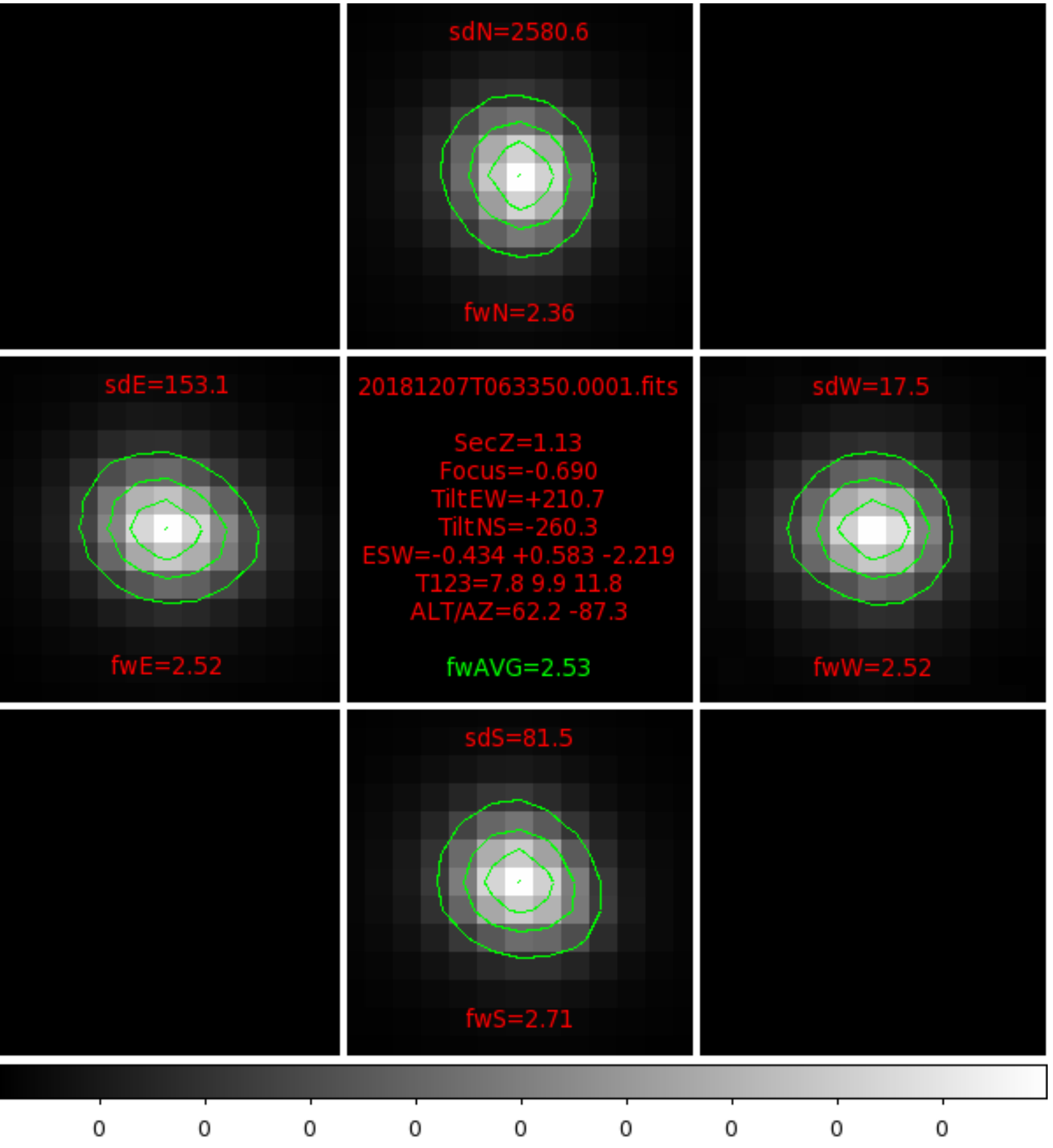
sdN=2580.6
fwN=2.36
sdE=153.1
fwE=2.52
20181207T063350.0001.fits
SecZ=1.13
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.9 11.8
ALT/AZ=62.2 -87.3
fwAVG=2.53
sdW=17.5
fwW=2.52
sdS=81.5
fwS=2.71
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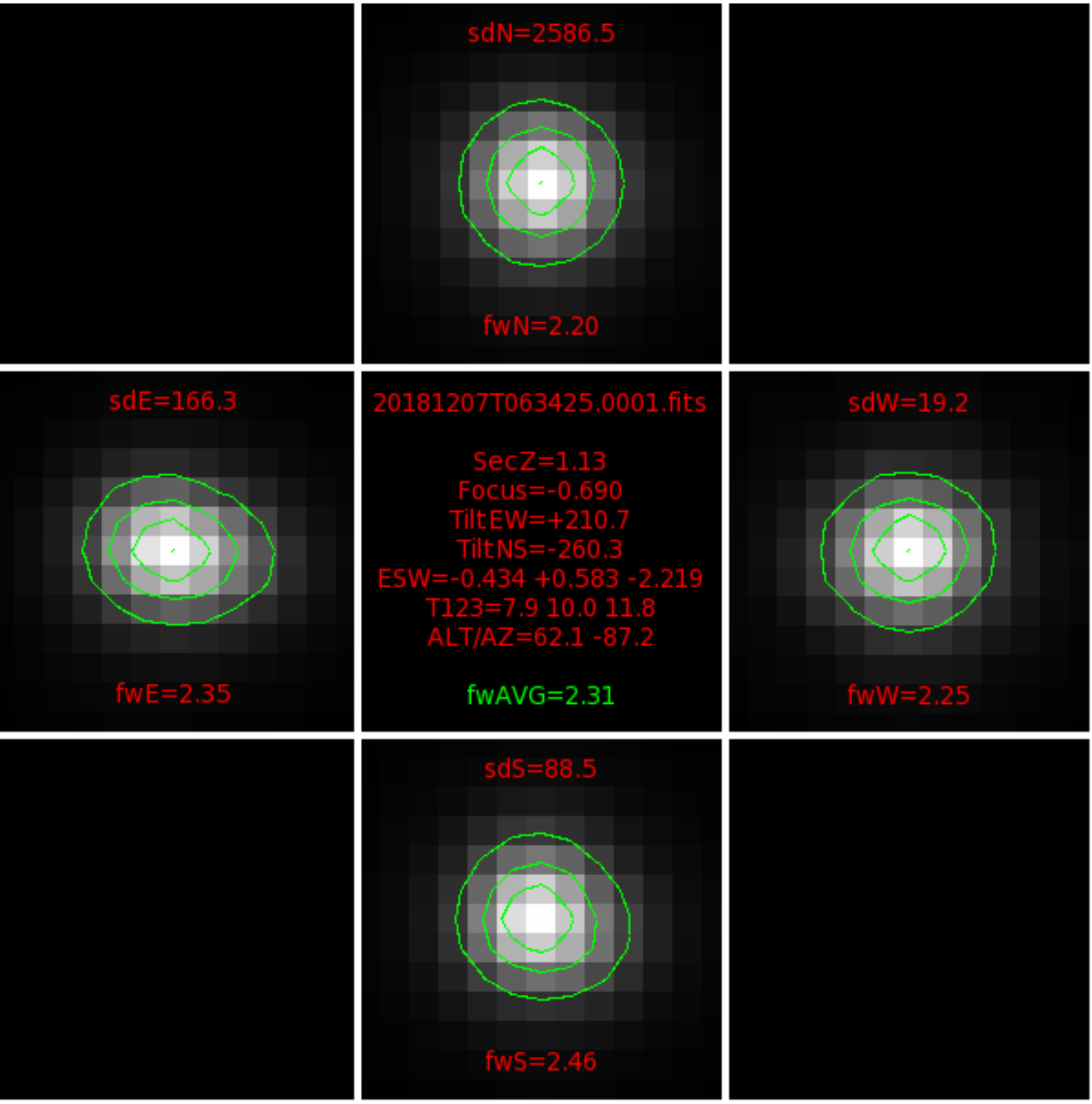
sdN=2586.5
fwN=2.20
sdE=166.3
fwE=2.35
20181207T063425.0001.fits
SecZ=1.13
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.9 10.0 11.8
ALT/AZ=62.1 -87.2
fwAVG=2.31
sdW=19.2
fwW=2.25
sdS=88.5
fwS=2.46
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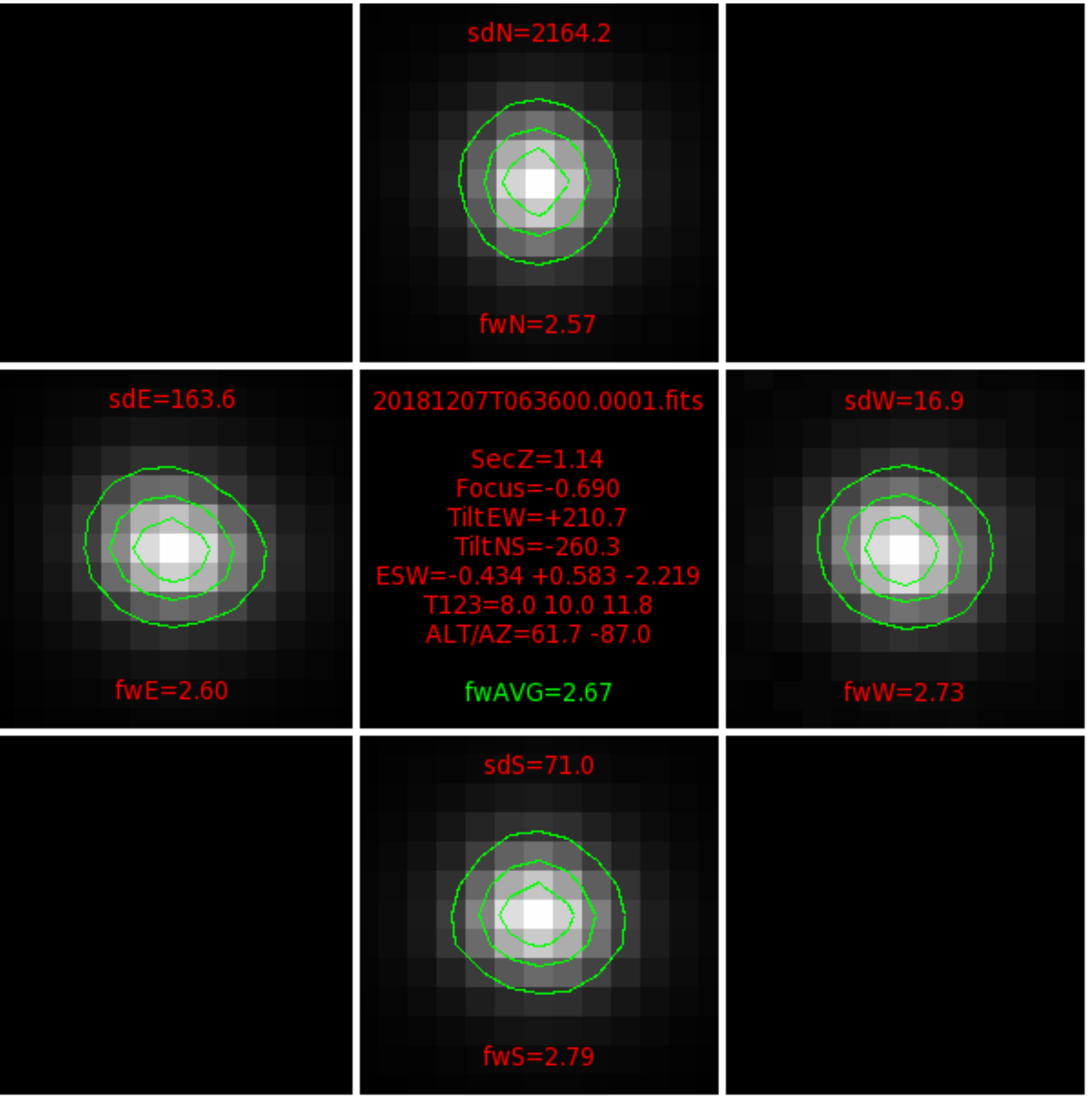
sdN=2164.2
fwN=2.57
sdE=163.6
fwE=2.60
20181207T063600.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.0 11.8
ALT/AZ=61.7 -87.0
fwAVG=2.67
sdW=16.9
fwW=2.73
sdS=71.0
fwS=2.79
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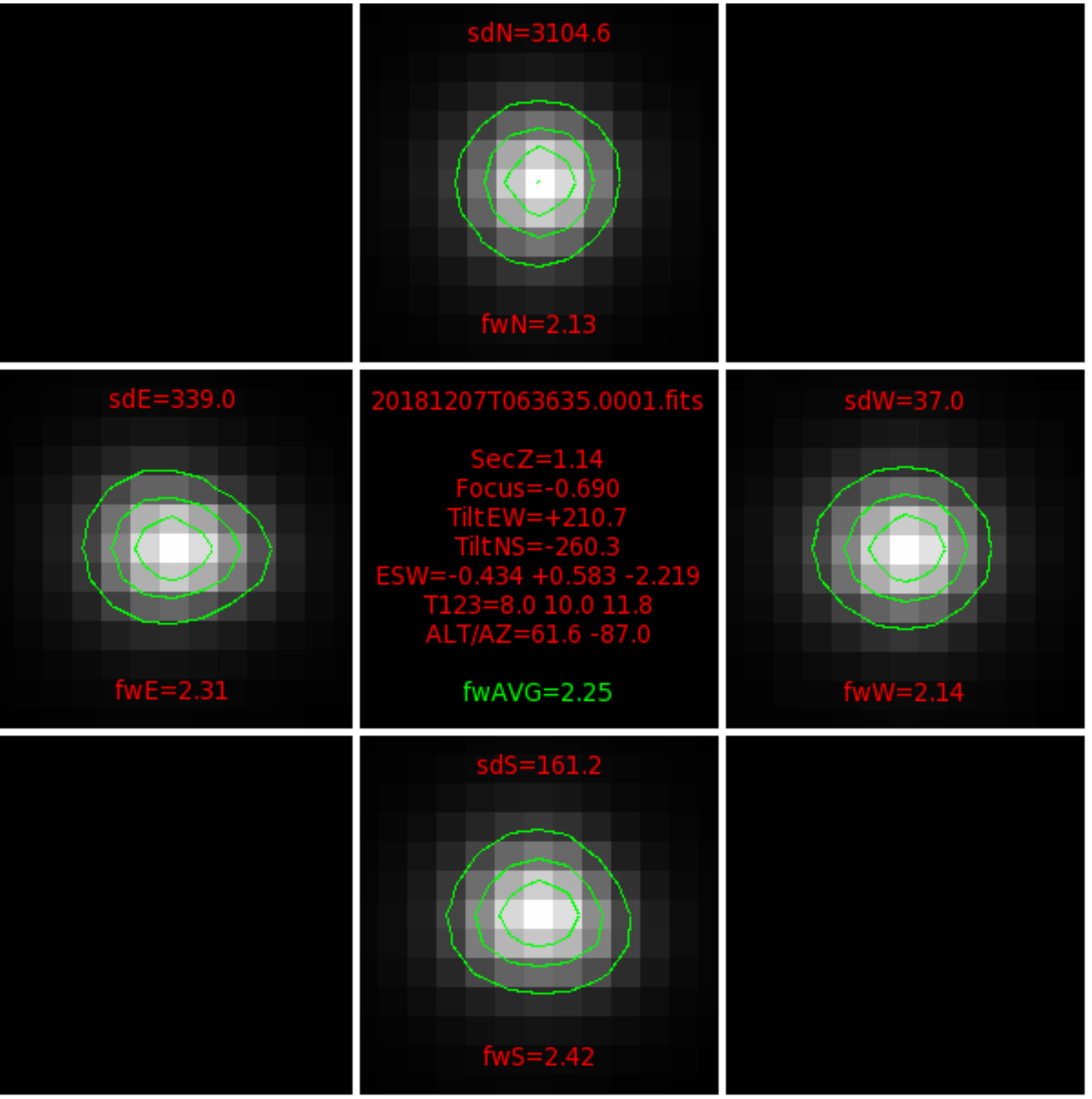
sdN=3104.6
fwN=2.13
sdE=339.0
fwE=2.31
20181207T063635.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.0 11.8
ALT/AZ=61.6 -87.0
fwAVG=2.25
sdW=37.0
fwW=2.14
sdS=161.2
fwS=2.42
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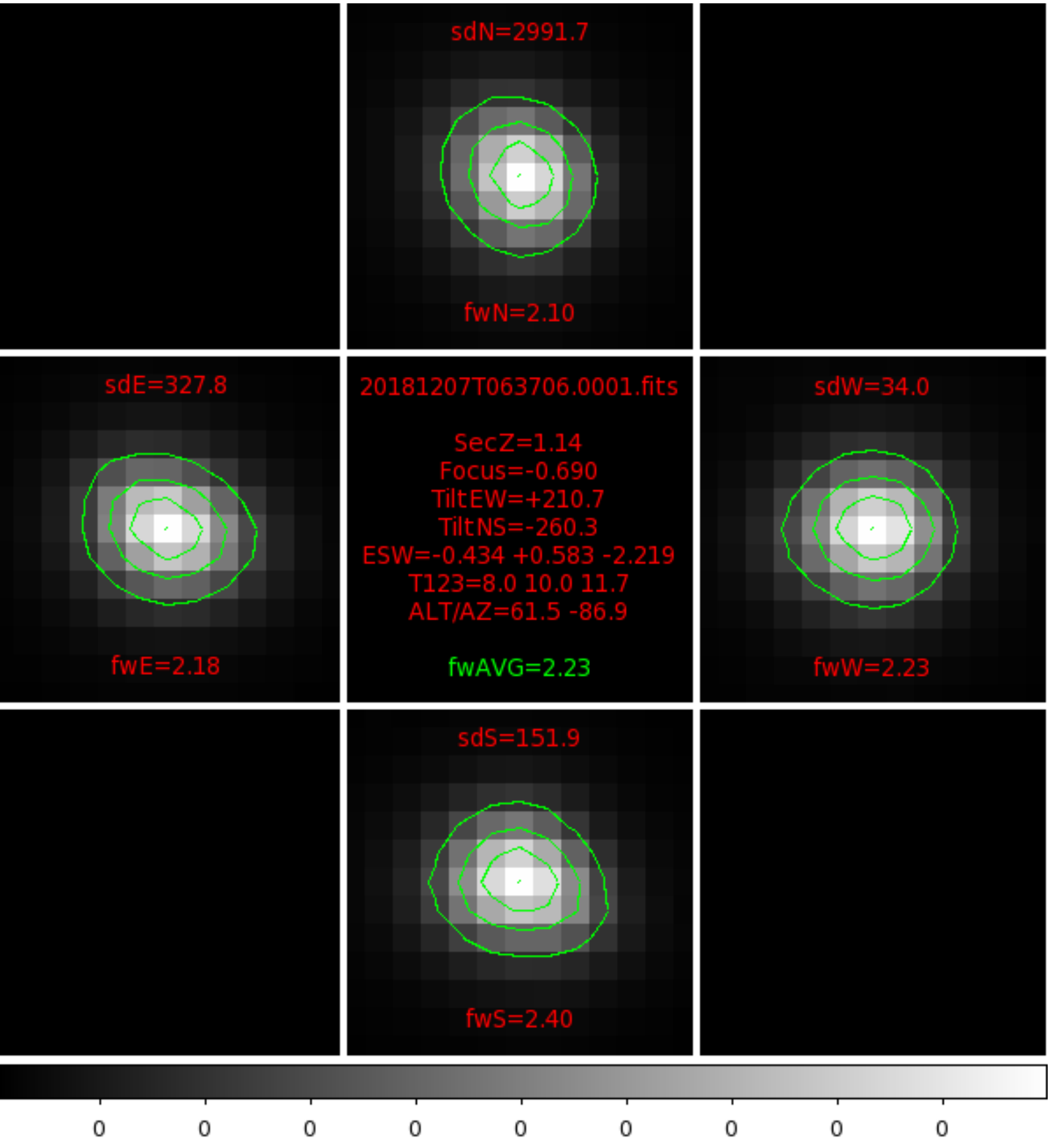
sdN=2991.7
fwN=2.10
sdE=327.8
fwE=2.18
20181207T063706.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.0 11.7
ALT/AZ=61.5 -86.9
fwAVG=2.23
sdW=34.0
fwW=2.23
sdS=151.9
fwS=2.40
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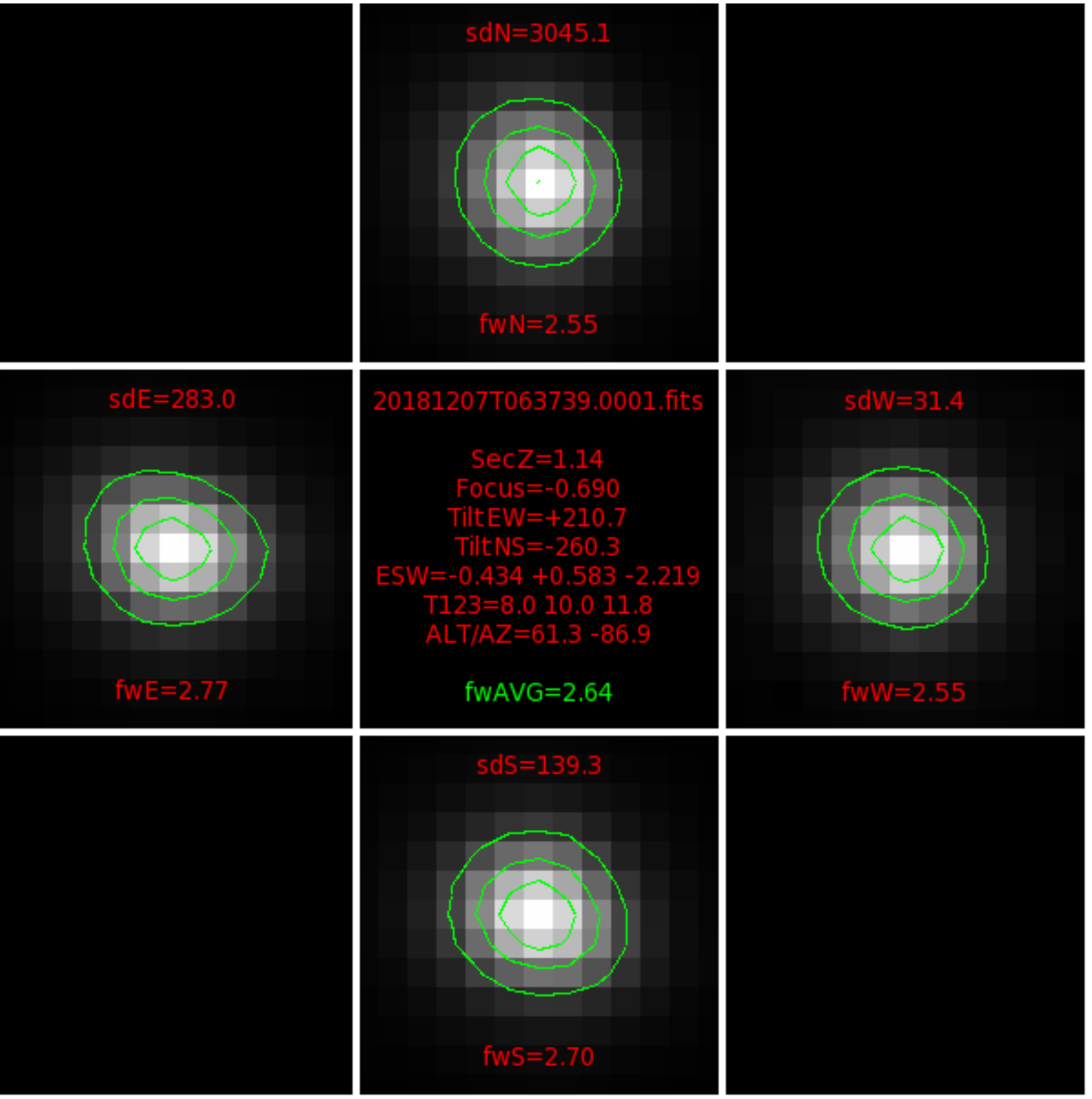
sdN=3045.1
fwN=2.55
sdE=283.0
fwE=2.77
20181207T063739.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.0 11.8
ALT/AZ=61.3 -86.9
fwAVG=2.64
sdW=31.4
fwW=2.55
sdS=139.3
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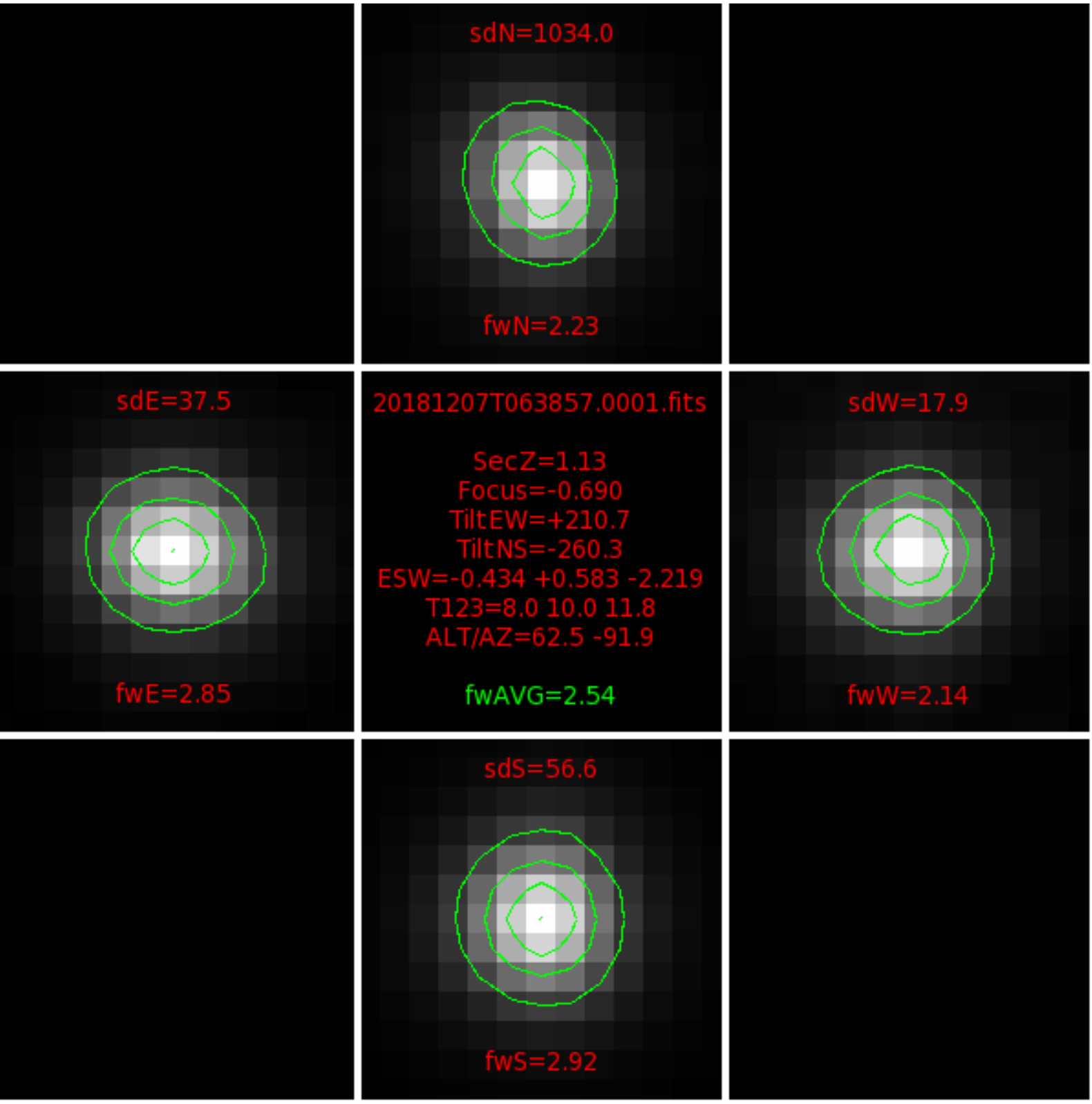
sdN=1034.0
fwN=2.23
sdE=37.5
fwE=2.85
20181207T063857.0001.fits
SecZ=1.13
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.0 11.8
ALT/AZ=62.5 -91.9
fwAVG=2.54
sdW=17.9
fwW=2.14
sdS=56.6
fwS=2.92
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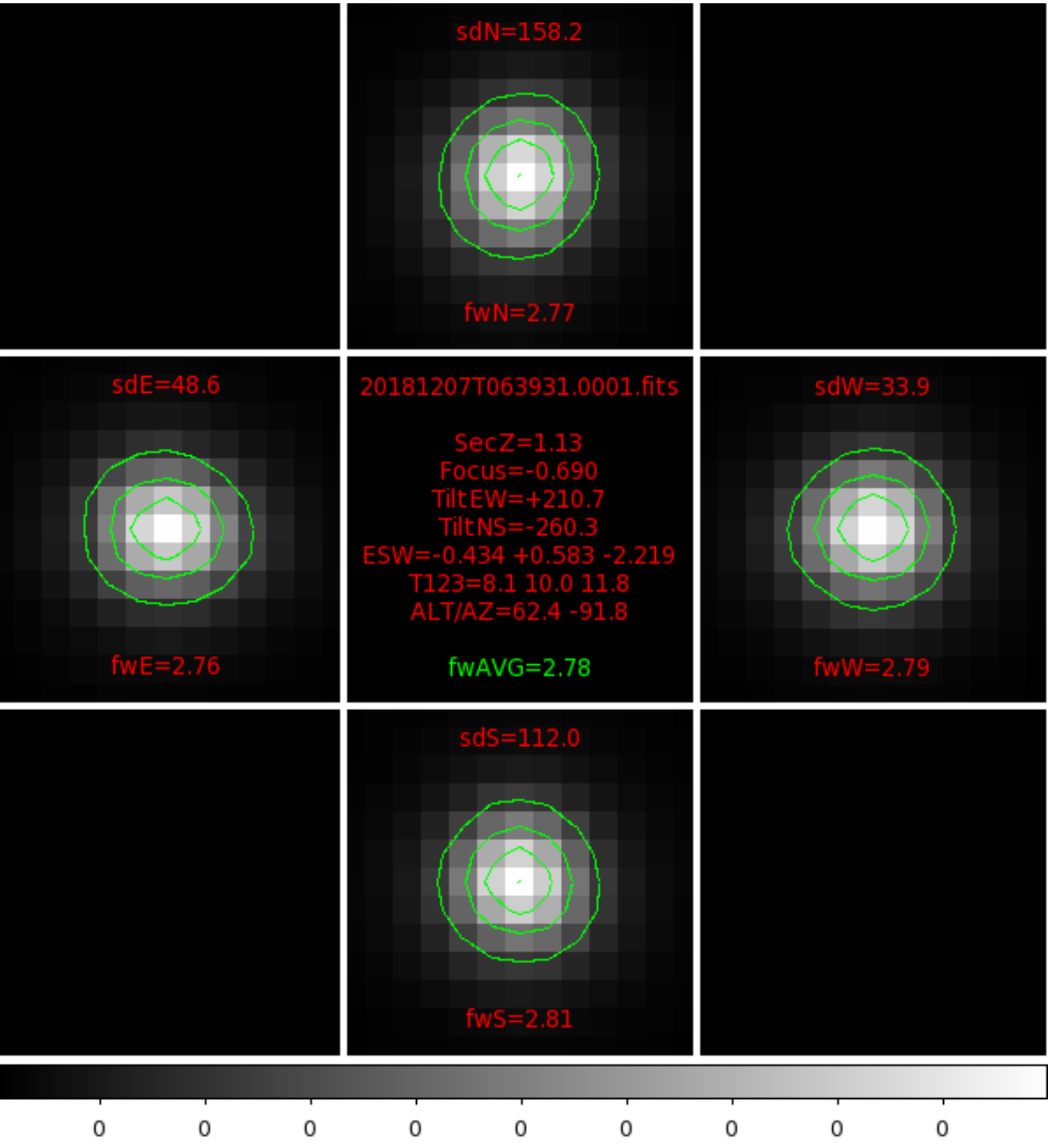
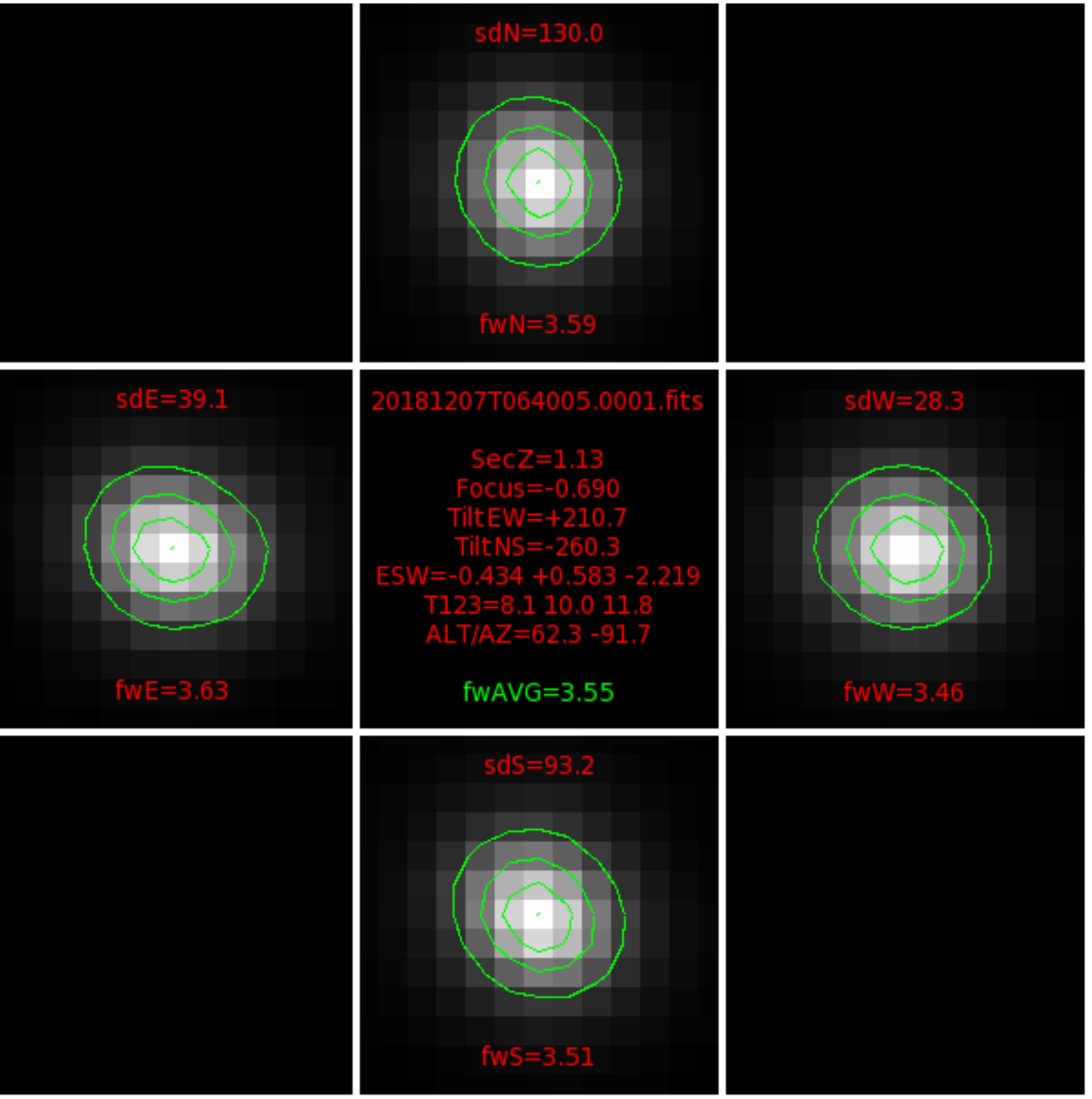

sdN=158.2
fwN=2.77
sdE=48.6
fwE=2.76
20181207T063931.0001.fits
SecZ=1.13
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.0 11.8
ALT/AZ=62.4 -91.8
fwAVG=2.78
sdW=33.9
fwW=2.79
sdS=112.0
fwS=2.81
0 0 0 0 0 0 0 0 0


sdN=130.0
fwN=3.59
sdE=39.1
fwE=3.63
20181207T064005.0001.fits
SecZ=1.13
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.0 11.8
ALT/AZ=62.3 -91.7
fwAVG=3.55
sdW=28.3
fwW=3.46
sdS=93.2
fwS=3.51
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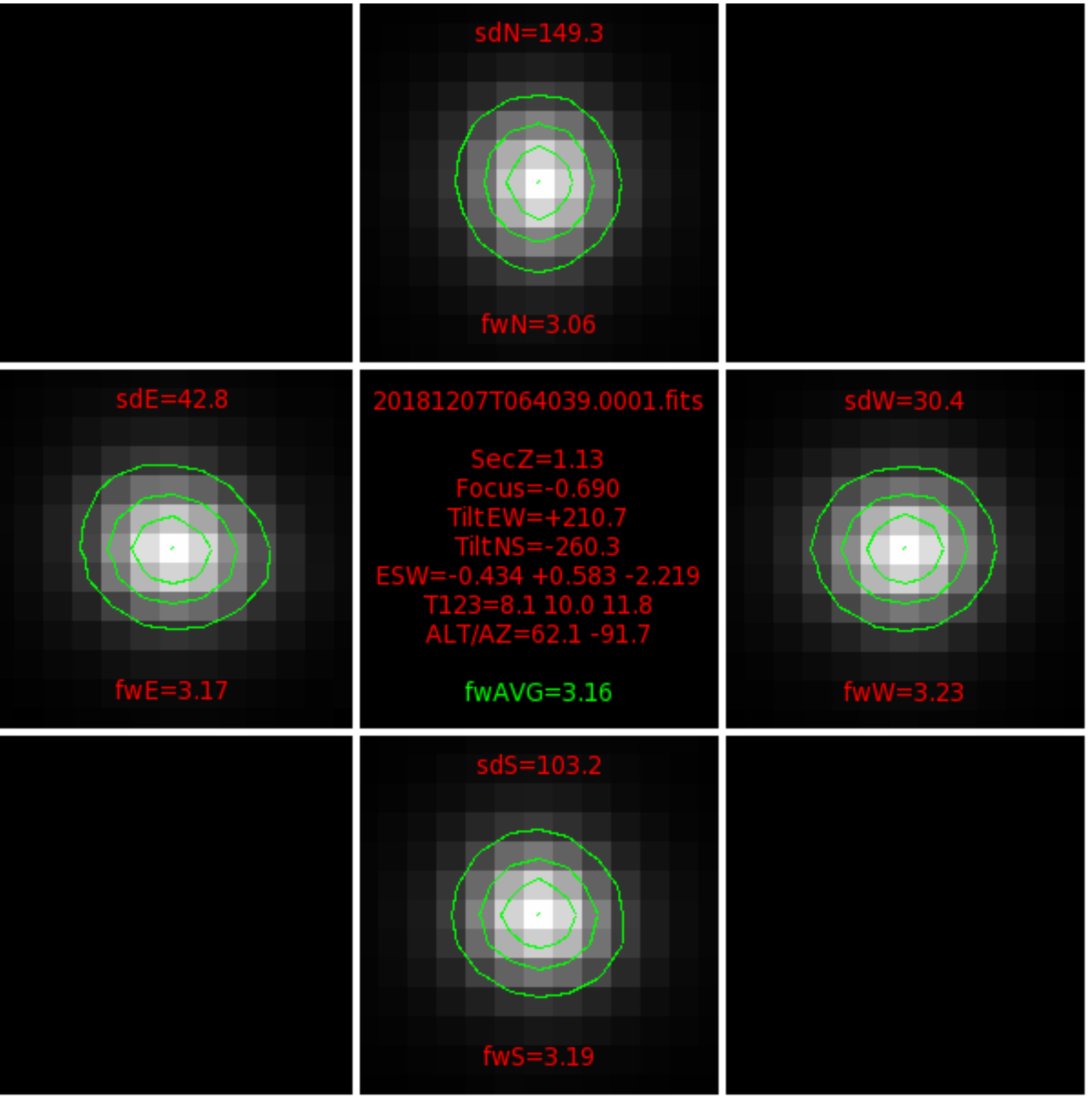
sdN=149.3
fwN=3.06
sdE=42.8
fwE=3.17
20181207T064039.0001.fits
SecZ=1.13
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.0 11.8
ALT/AZ=62.1 -91.7
fwAVG=3.16
sdW=30.4
fwW=3.23
sdS=103.2
fwS=3.19
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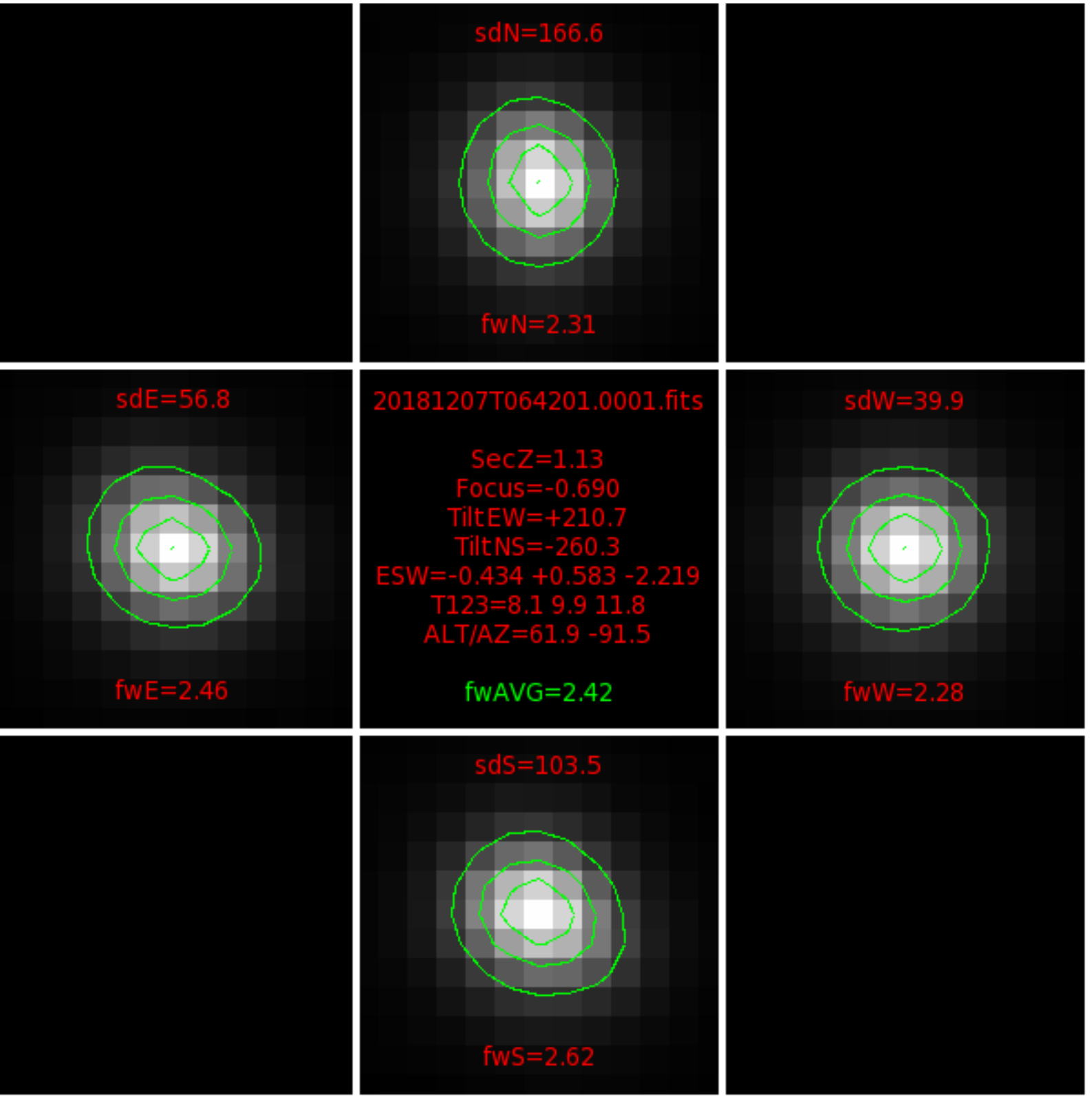
sdN=166.6
fwN=2.31
sdE=56.8
fwE=2.46
20181207T064201.0001.fits
SecZ=1.13
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 9.9 11.8
ALT/AZ=61.9 -91.5
fwAVG=2.42
sdW=39.9
fwW=2.28
sdS=103.5
fwS=2.62
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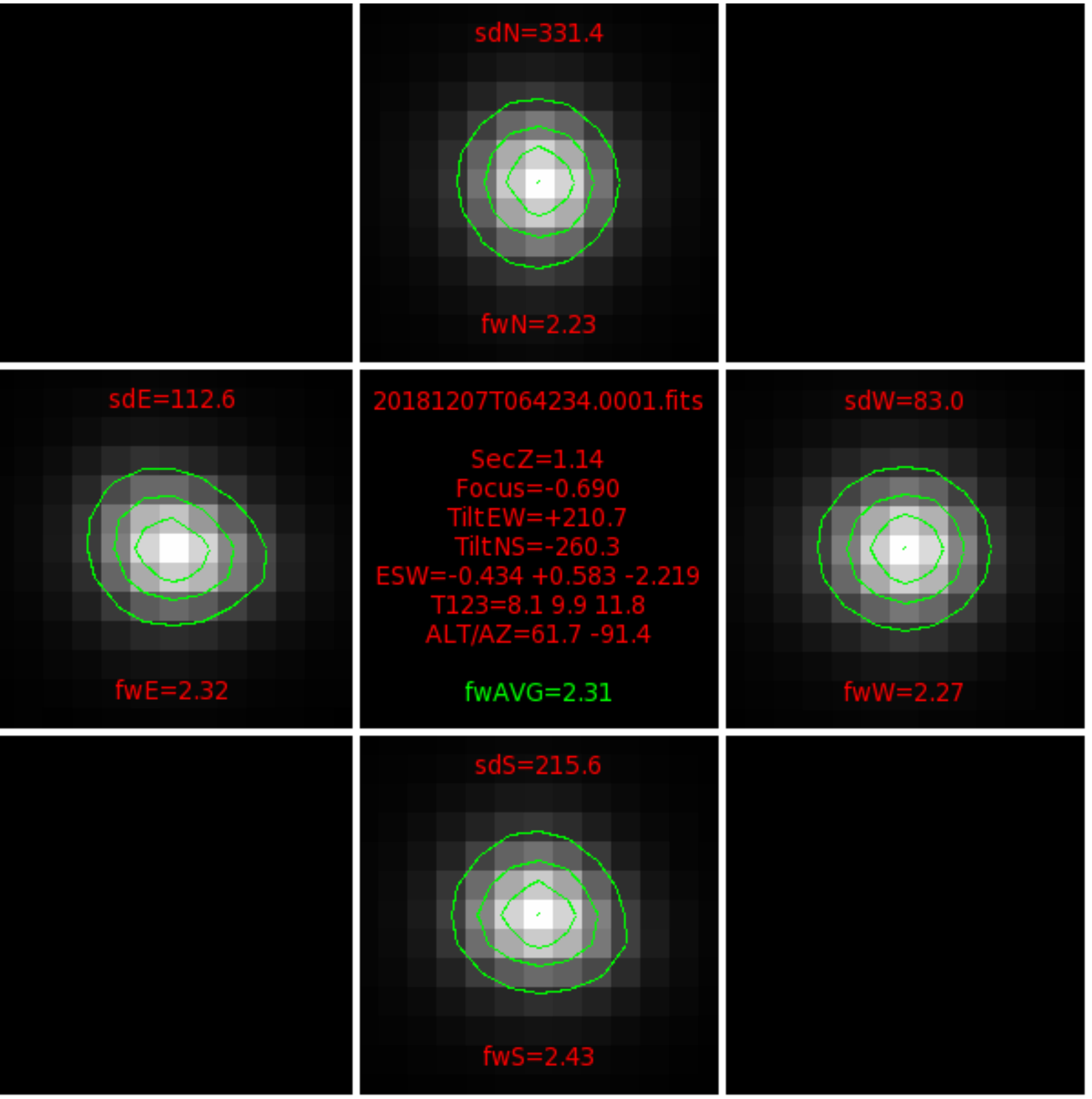
sdN=331.4
fwN=2.23
sdE=112.6
fwE=2.32
20181207T064234.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 9.9 11.8
ALT/AZ=61.7 -91.4
fwAVG=2.31
sdW=83.0
fwW=2.27
sdS=215.6
fwS=2.43
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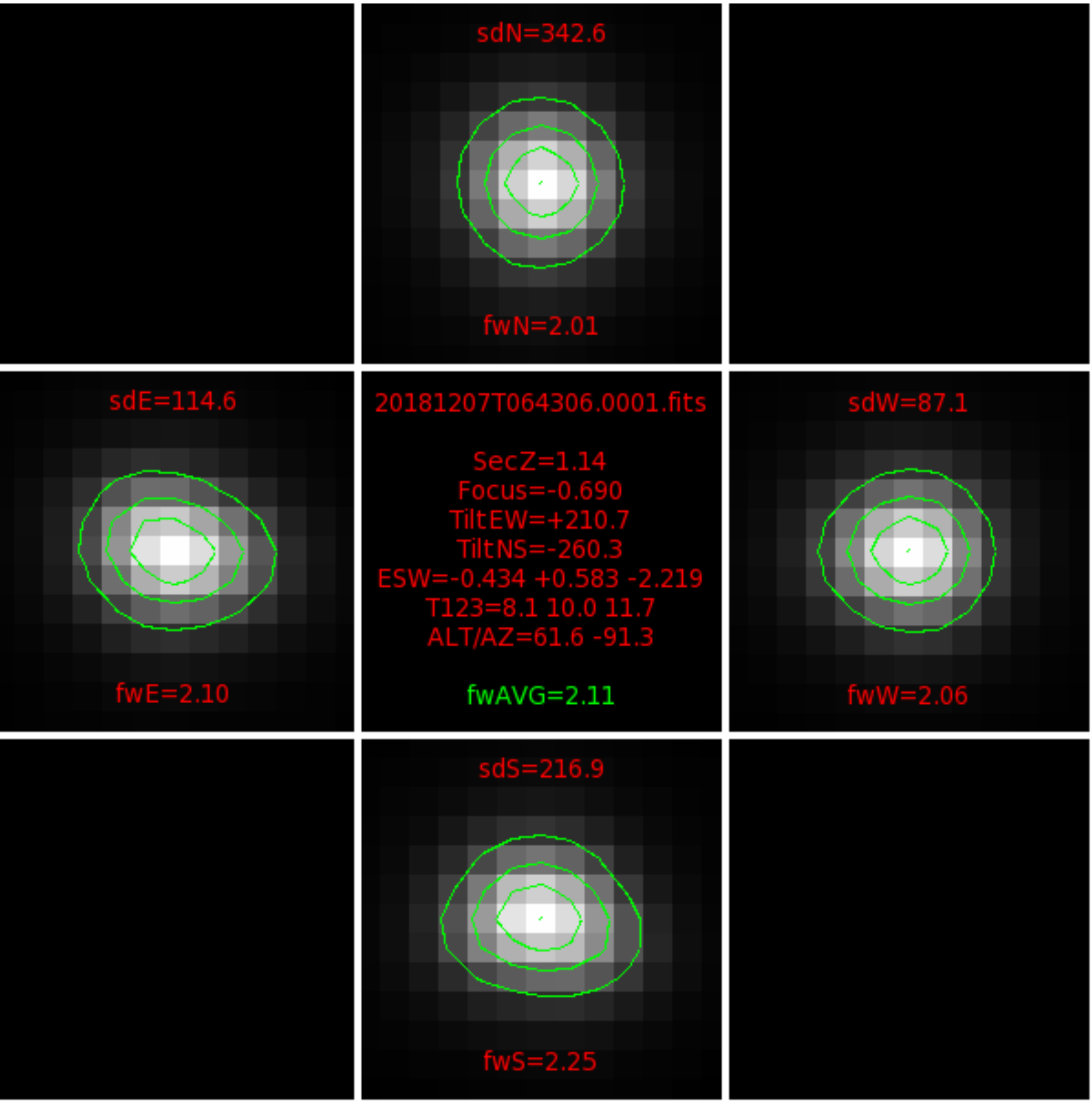
sdN=342.6
fwN=2.01
sdE=114.6
fwE=2.10
20181207T064306.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.0 11.7
ALT/AZ=61.6 -91.3
fwAVG=2.11
sdW=87.1
fwW=2.06
sdS=216.9
fwS=2.25
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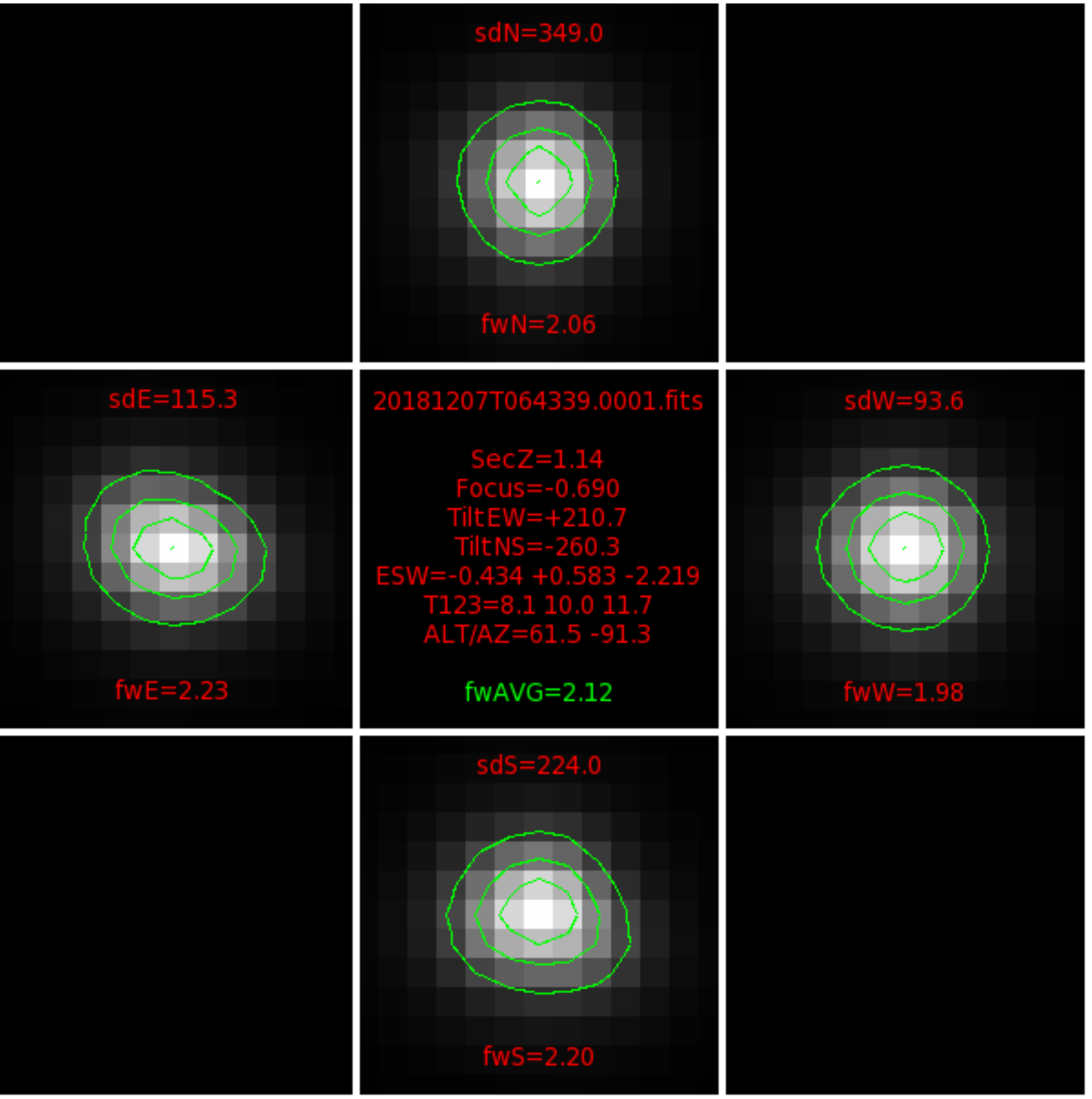
sdN=349.0
fwN=2.06
sdE=115.3
fwE=2.23
20181207T064339.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.0 11.7
ALT/AZ=61.5 -91.3
fwAVG=2.12
sdW=93.6
fwW=1.98
sdS=224.0
fwS=2.20
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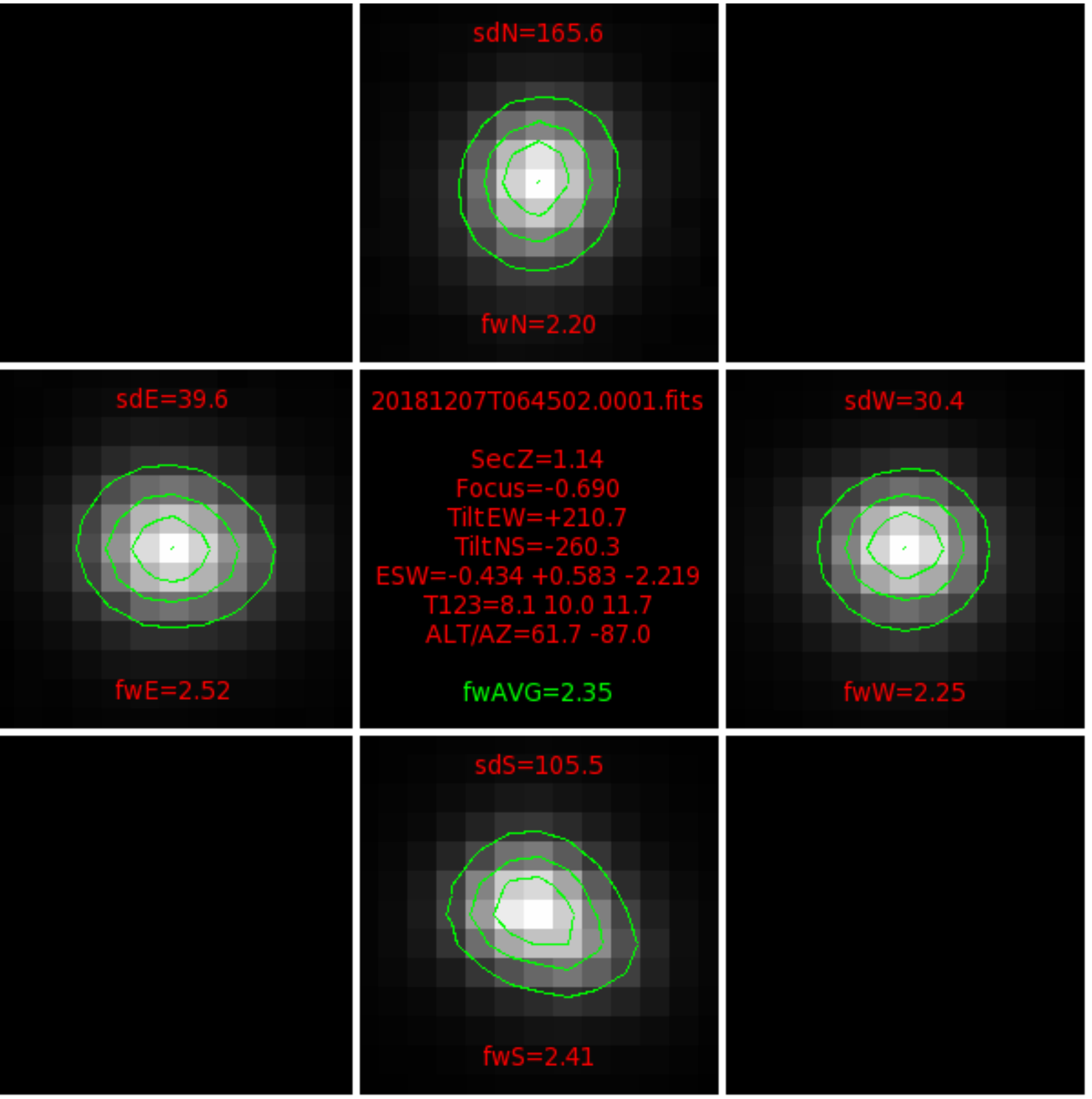
sdN=165.6
fwN=2.20
sdE=39.6
fwE=2.52
20181207T064502.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.0 11.7
ALT/AZ=61.7 -87.0
fwAVG=2.35
sdW=30.4
fwW=2.25
sdS=105.5
fwS=2.41
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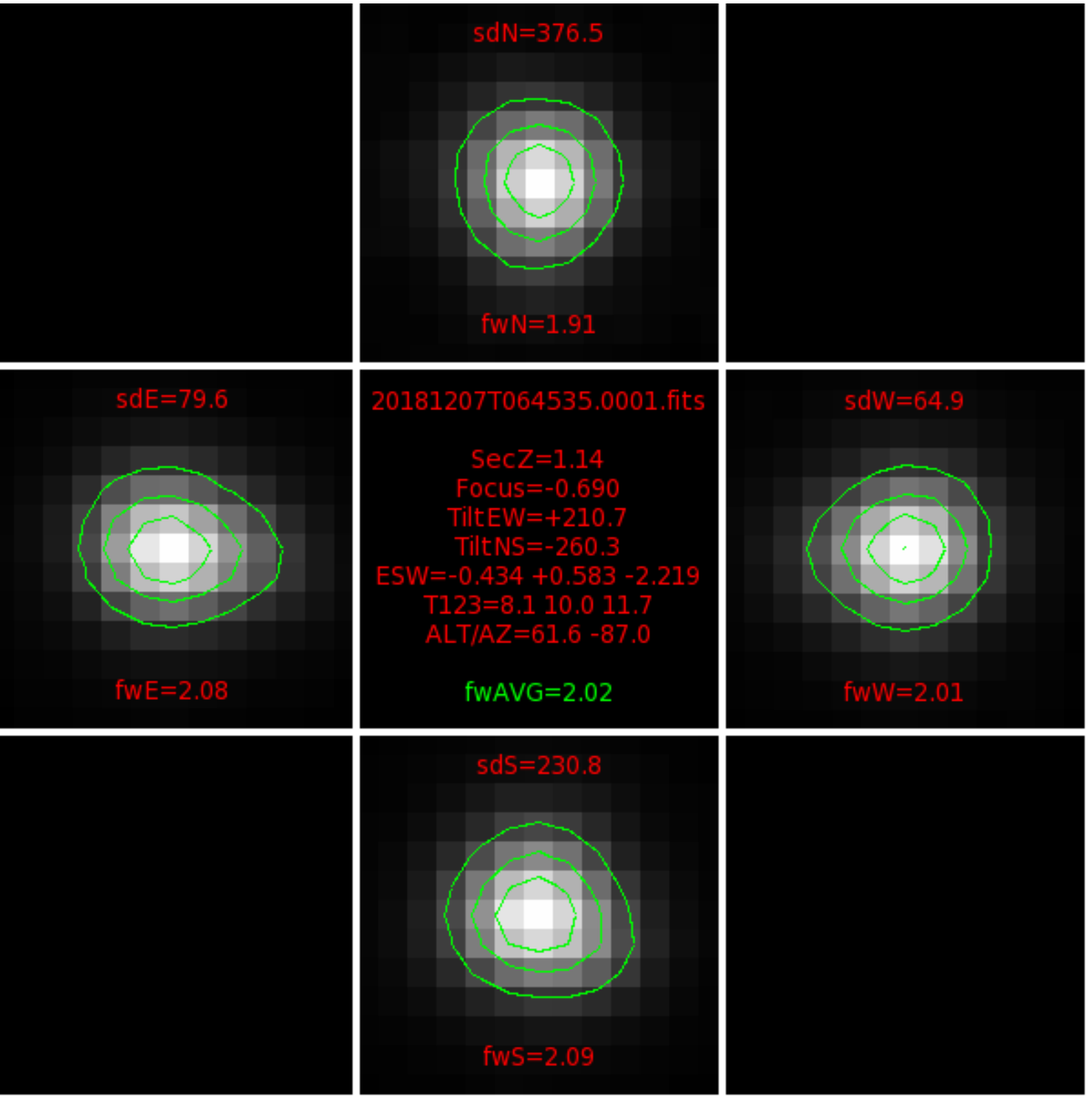
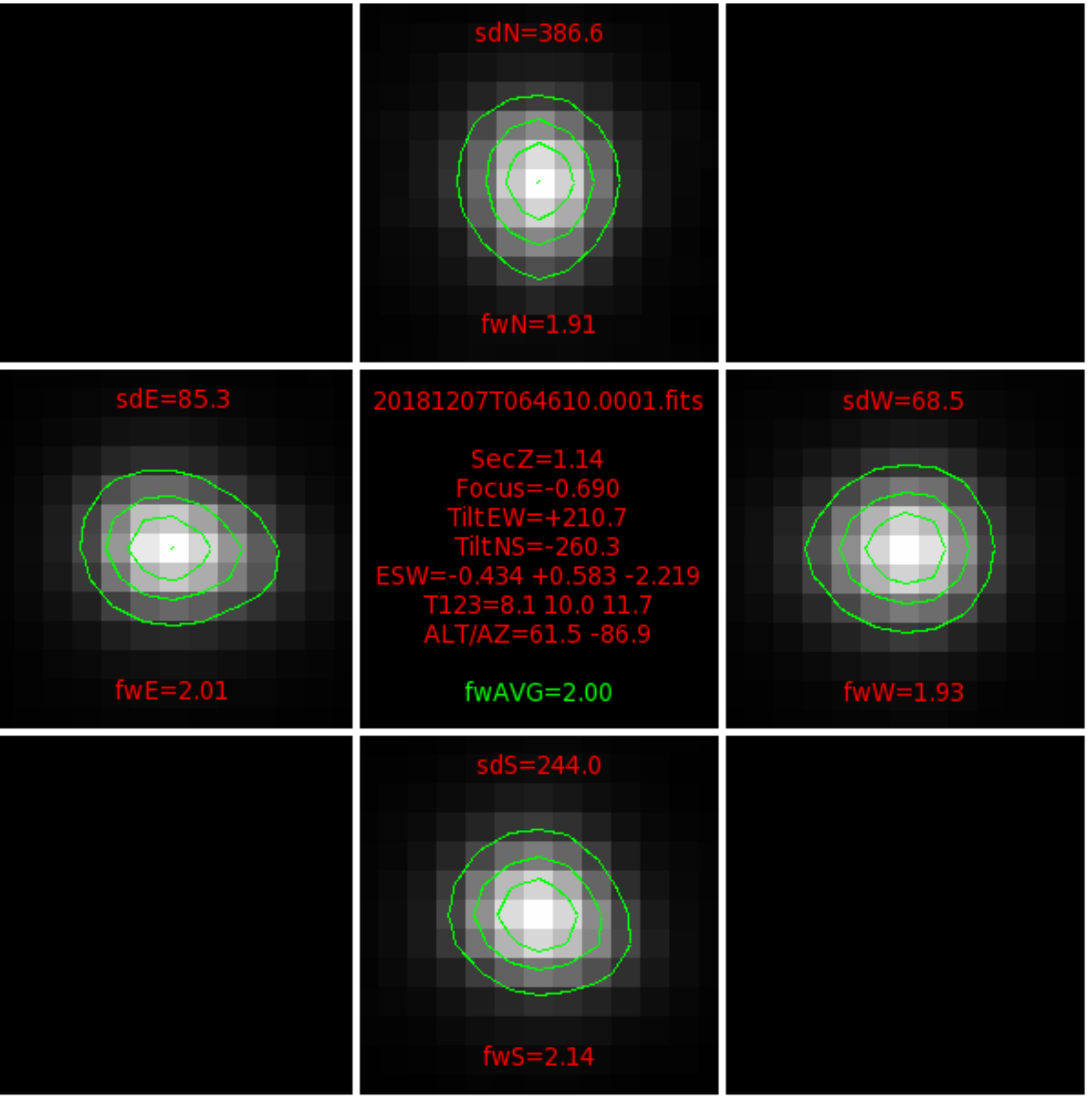

sdN=376.5
fwN=1.91
sdE=79.6
fwE=2.08
20181207T064535.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.0 11.7
ALT/AZ=61.6 -87.0
fwAVG=2.02
sdW=64.9
fwW=2.01
sdS=230.8
fwS=2.09
0 0 0 0 0 0 0 0 0


sdN=386.6
fwN=1.91
sdE=85.3
fwE=2.01
20181207T064610.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.0 11.7
ALT/AZ=61.5 -86.9
fwAVG=2.00
sdW=68.5
fwW=1.93
sdS=244.0
fwS=2.14
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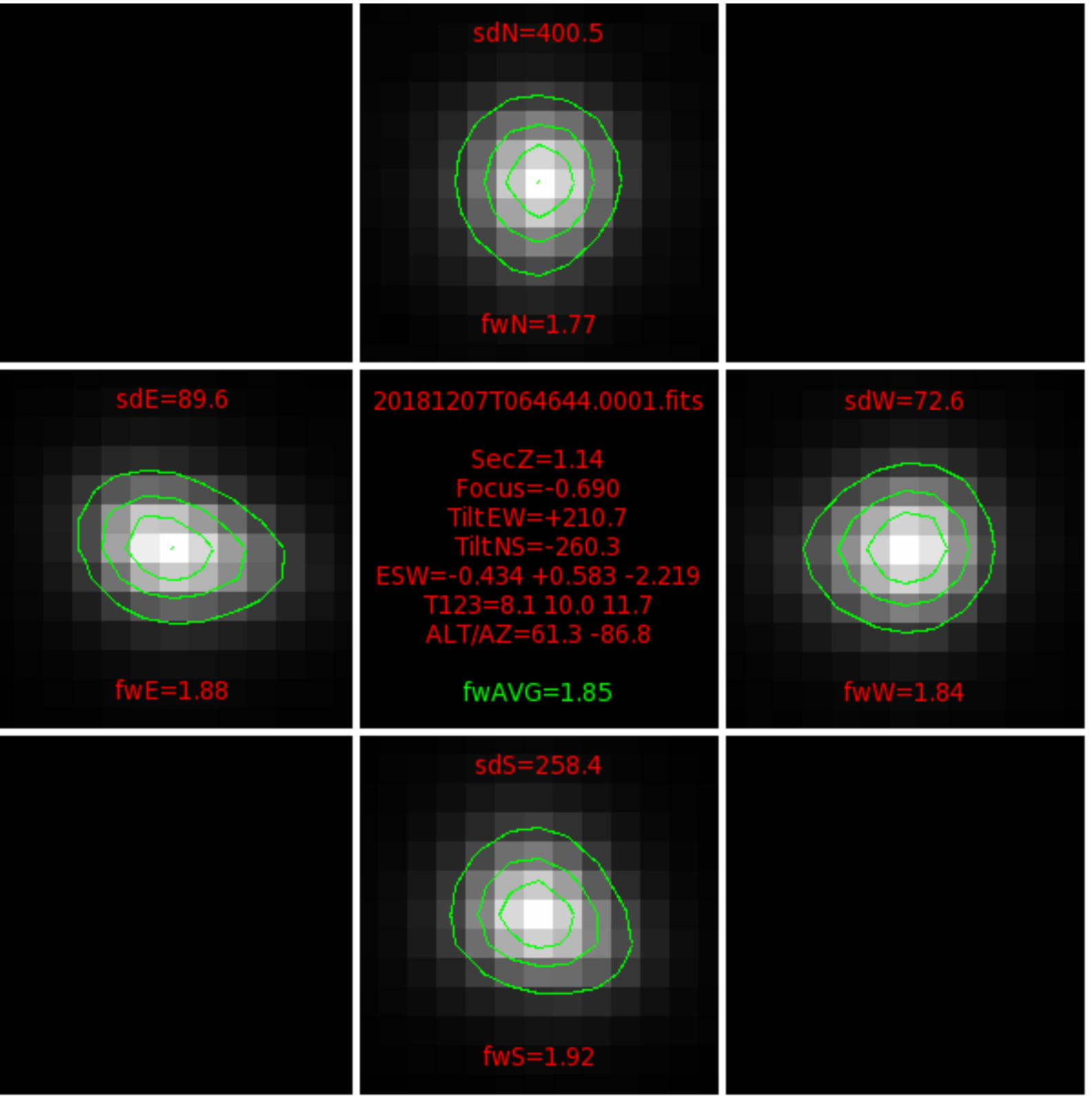
sdN=400.5
fwN=1.77
sdE=89.6
fwE=1.88
20181207T064644.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.0 11.7
ALT/AZ=61.3 -86.8
fwAVG=1.85
sdW=72.6
fwW=1.84
sdS=258.4
fwS=1.92
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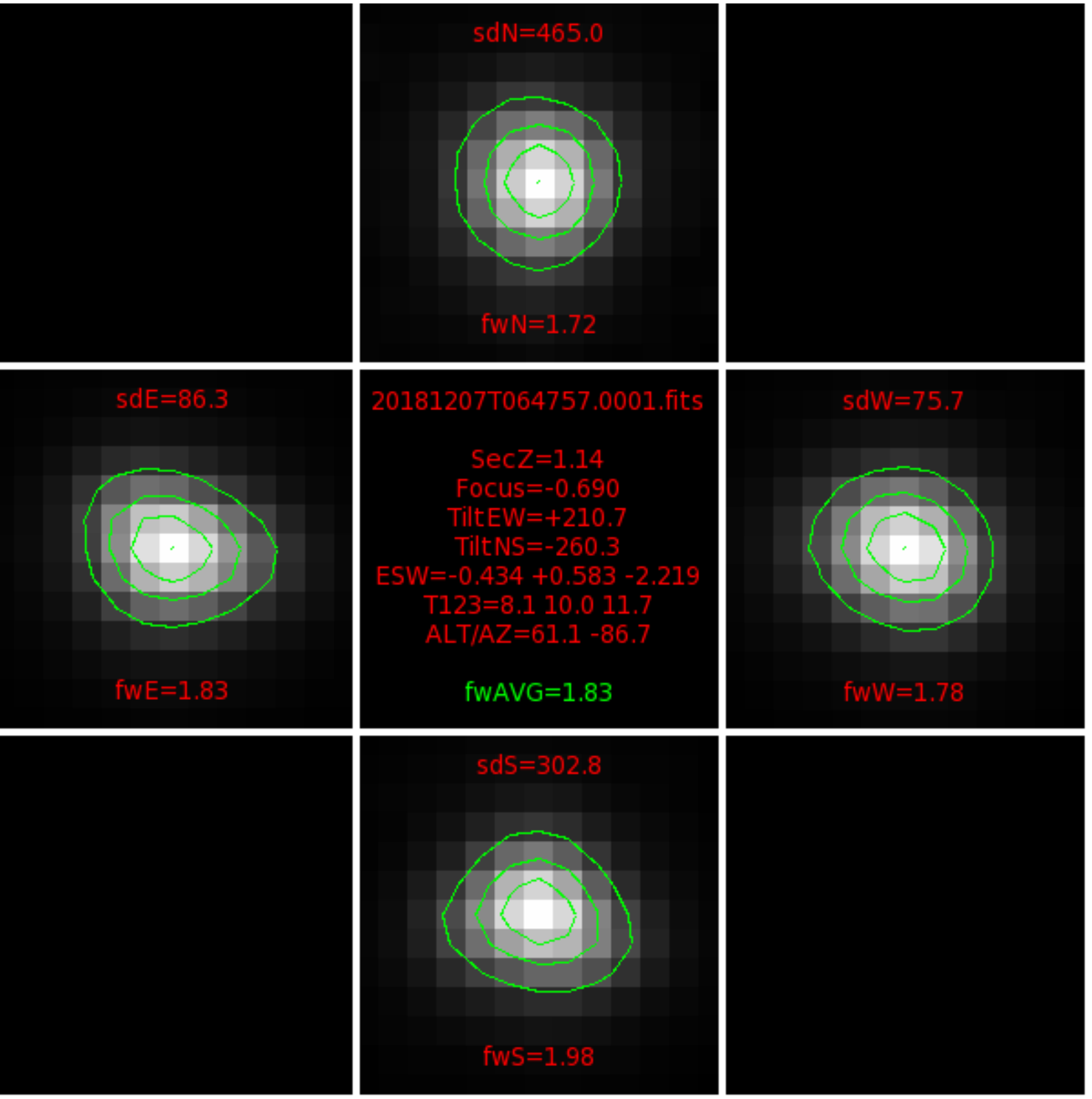
sdN=465.0
fwN=1.72
sdE=86.3
fwE=1.83
20181207T064757.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.0 11.7
ALT/AZ=61.1 -86.7
fwAVG=1.83
sdW=75.7
fwW=1.78
sdS=302.8
fwS=1.98
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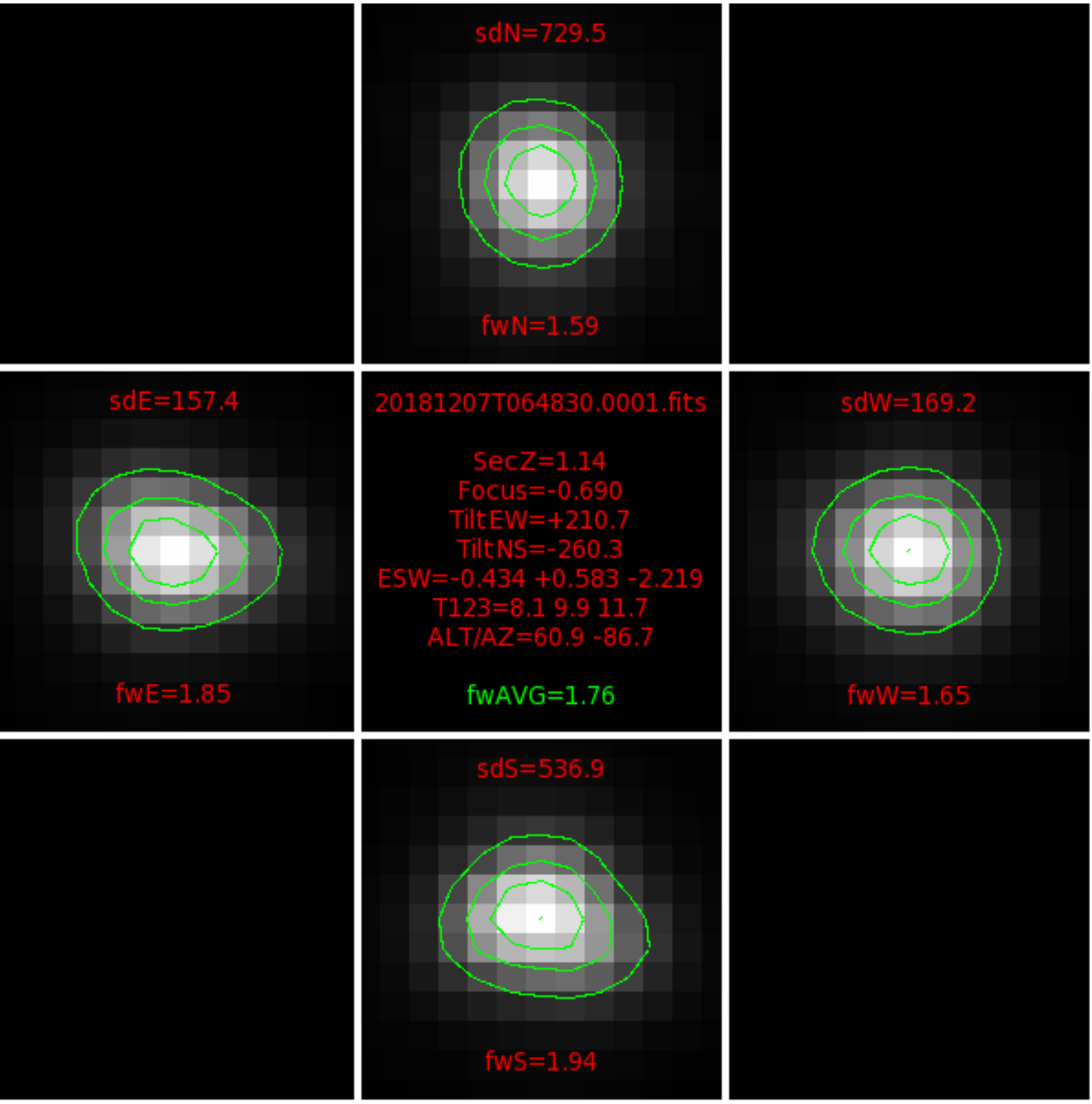
sdN=729.5
fwN=1.59
sdE=157.4
fwE=1.85
20181207T064830.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 9.9 11.7
ALT/AZ=60.9 -86.7
fwAVG=1.76
sdW=169.2
fwW=1.65
sdS=536.9
fwS=1.94
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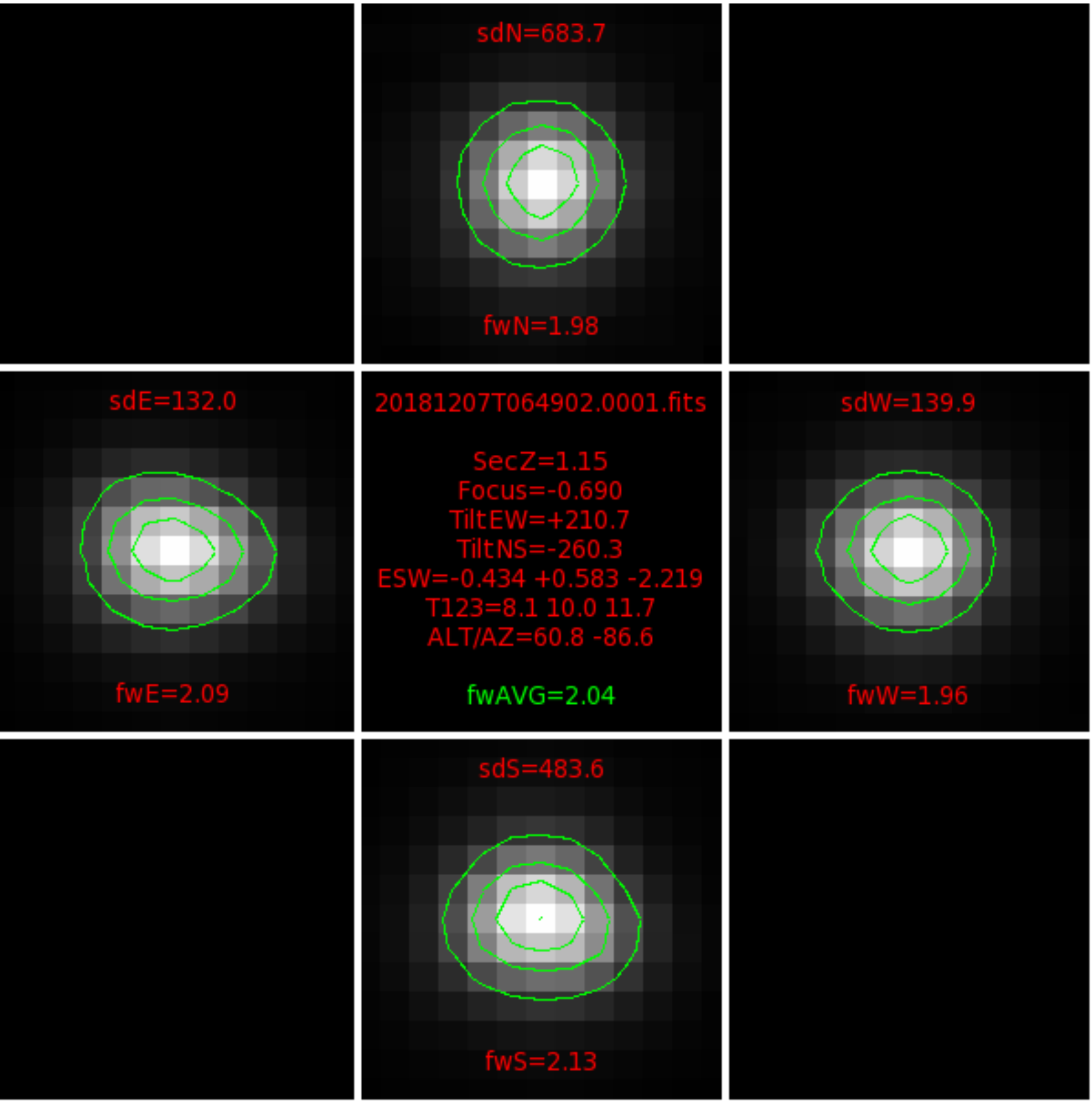
sdN=683.7
fwN=1.98
sdE=132.0
fwE=2.09
20181207T064902.0001.fits
SecZ=1.15
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.1 10.0 11.7
ALT/AZ=60.8 -86.6
fwAVG=2.04
sdW=139.9
fwW=1.96
sdS=483.6
fwS=2.13
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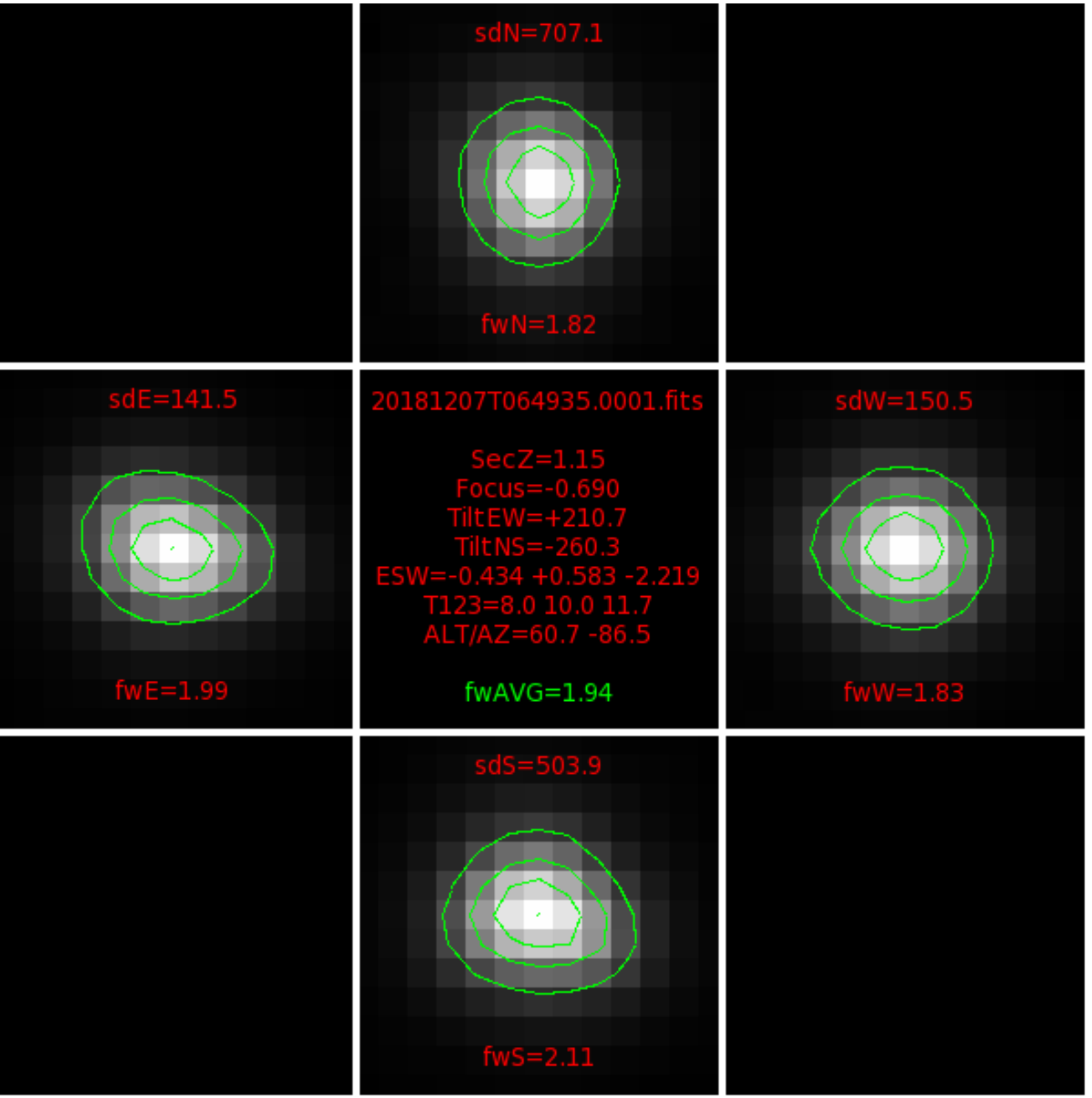
sdN=707.1
fwN=1.82
sdE=141.5
fwE=1.99
20181207T064935.0001.fits
SecZ=1.15
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 10.0 11.7
ALT/AZ=60.7 -86.5
fwAVG=1.94
sdW=150.5
fwW=1.83
sdS=503.9
fwS=2.11
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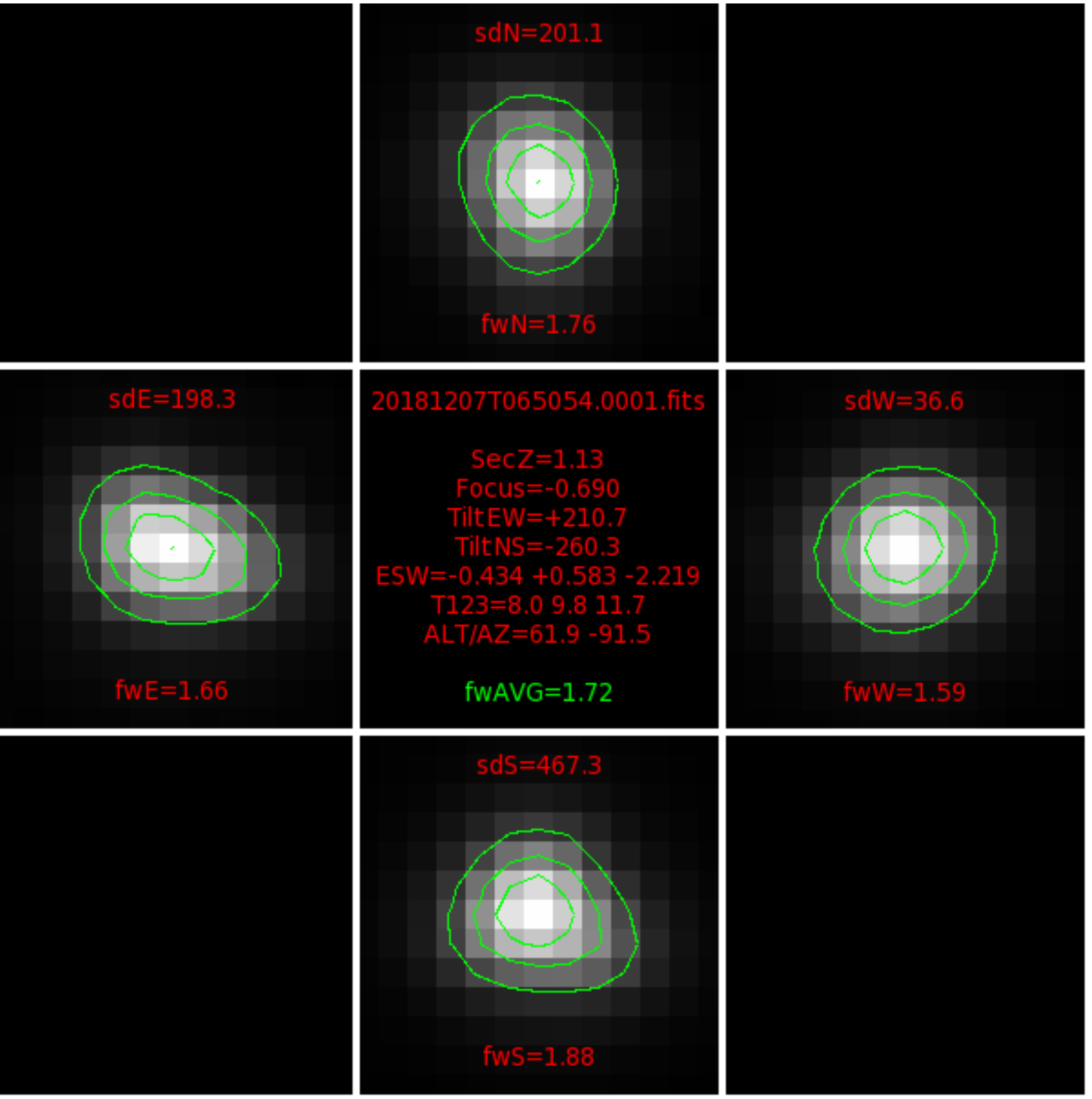
sdN=201.1
fwN=1.76
sdE=198.3
fwE=1.66
20181207T065054.0001.fits
SecZ=1.13
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 9.8 11.7
ALT/AZ=61.9 -91.5
fwAVG=1.72
sdW=36.6
fwW=1.59
sdS=467.3
fwS=1.88
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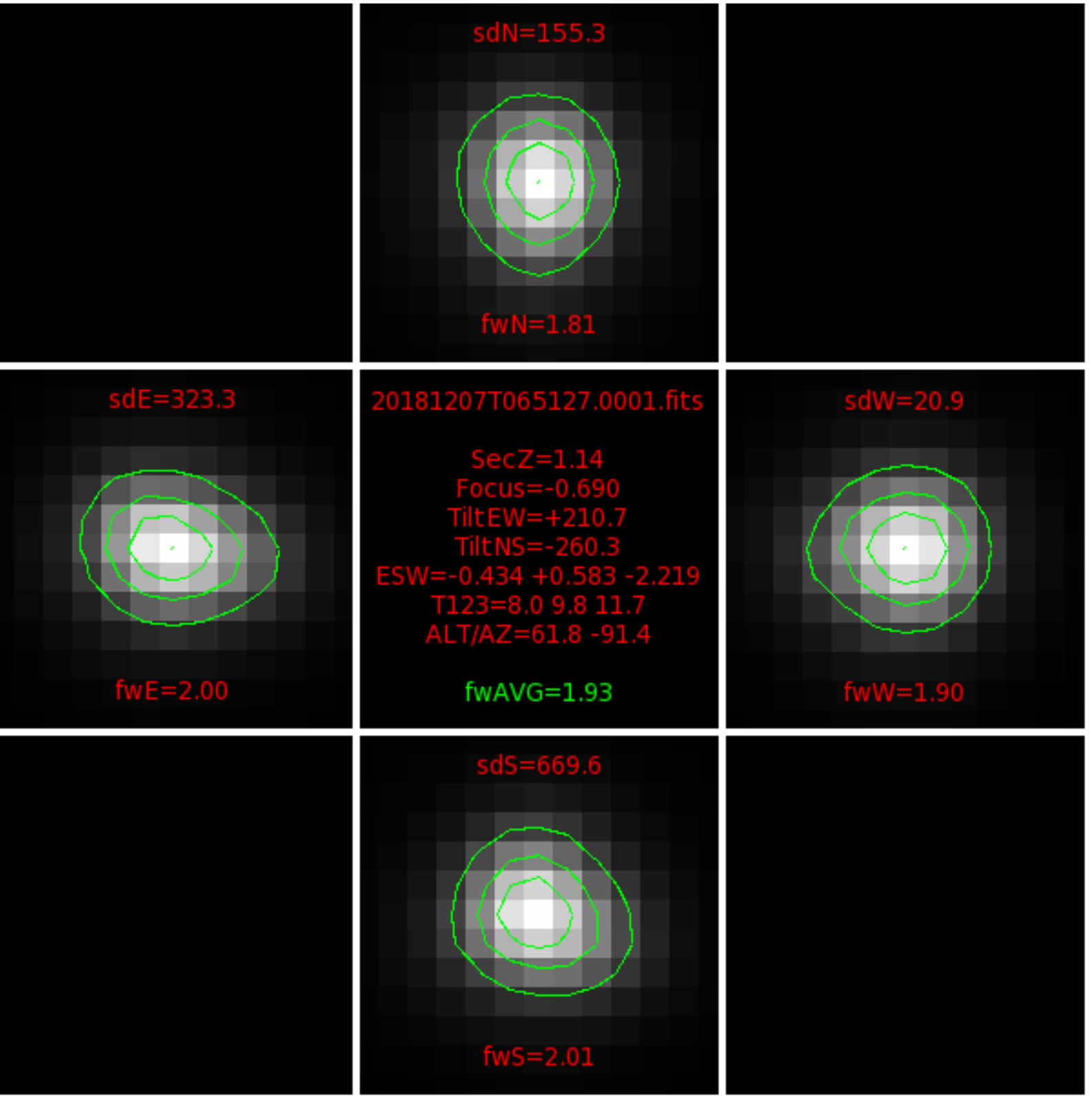
sdN=155.3
fwN=1.81
sdE=323.3
fwE=2.00
20181207T065127.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 9.8 11.7
ALT/AZ=61.8 -91.4
fwAVG=1.93
sdW=20.9
fwW=1.90
sdS=669.6
fwS=2.01
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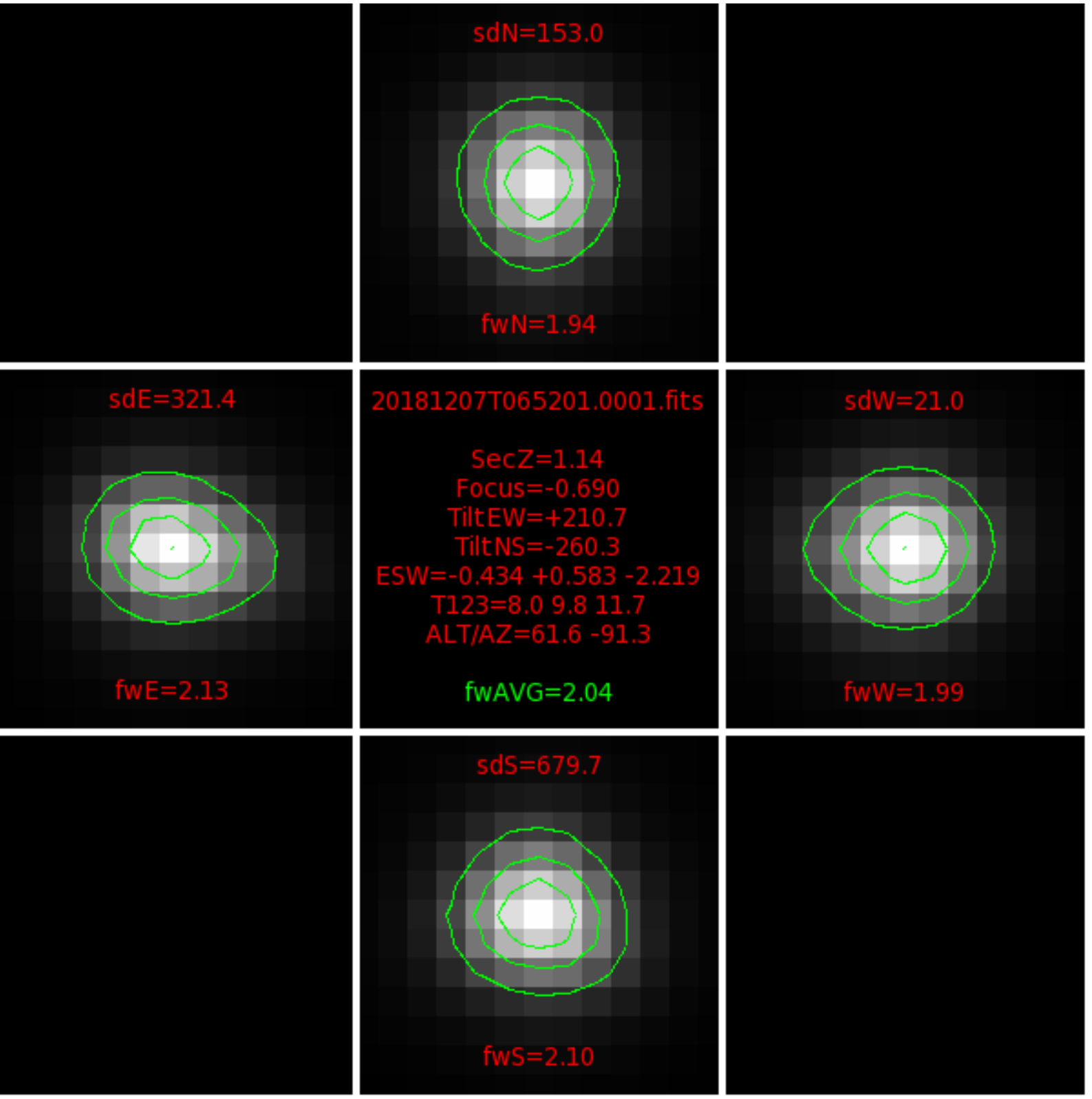
sdN=153.0
fwN=1.94
sdE=321.4
fwE=2.13
20181207T065201.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 9.8 11.7
ALT/AZ=61.6 -91.3
fwAVG=2.04
sdW=21.0
fwW=1.99
sdS=679.7
fwS=2.10
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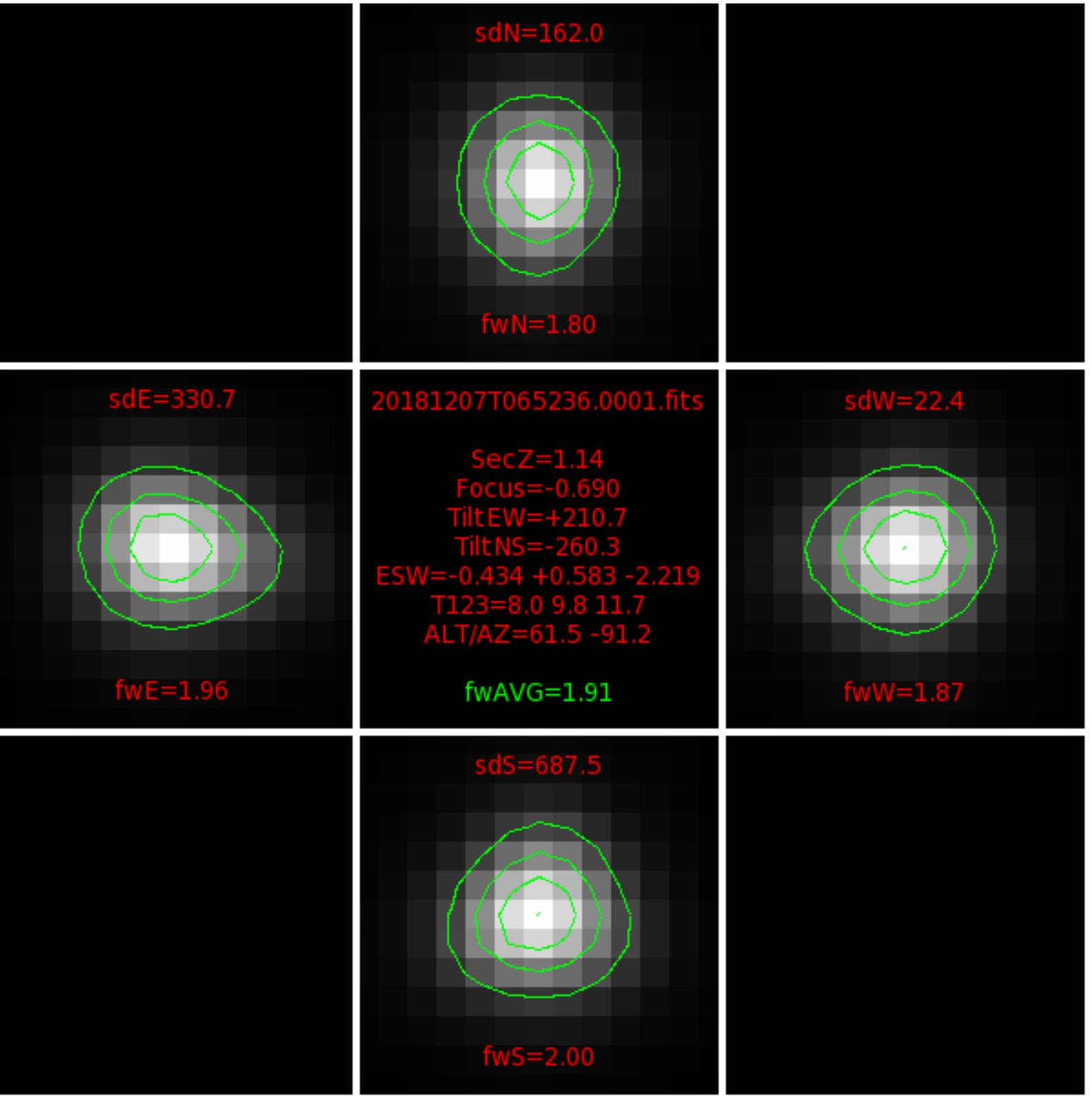
sdN=162.0
fwN=1.80
sdE=330.7
fwE=1.96
20181207T065236.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 9.8 11.7
ALT/AZ=61.5 -91.2
fwAVG=1.91
sdW=22.4
fwW=1.87
sdS=687.5
fwS=2.00
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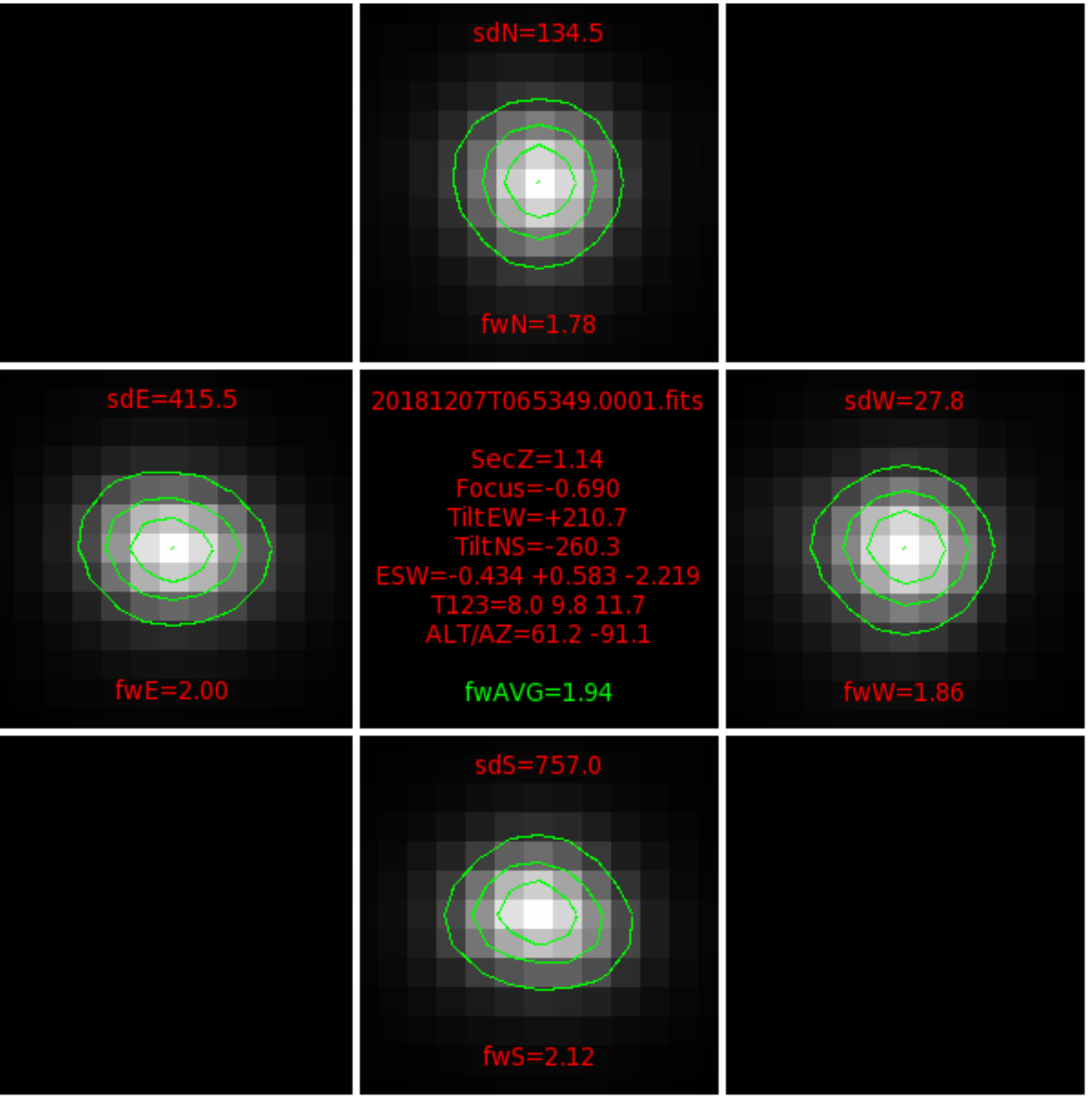
sdN=134.5
fwN=1.78
sdE=415.5
fwE=2.00
20181207T065349.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 9.8 11.7
ALT/AZ=61.2 -91.1
fwAVG=1.94
sdW=27.8
fwW=1.86
sdS=757.0
fwS=2.12
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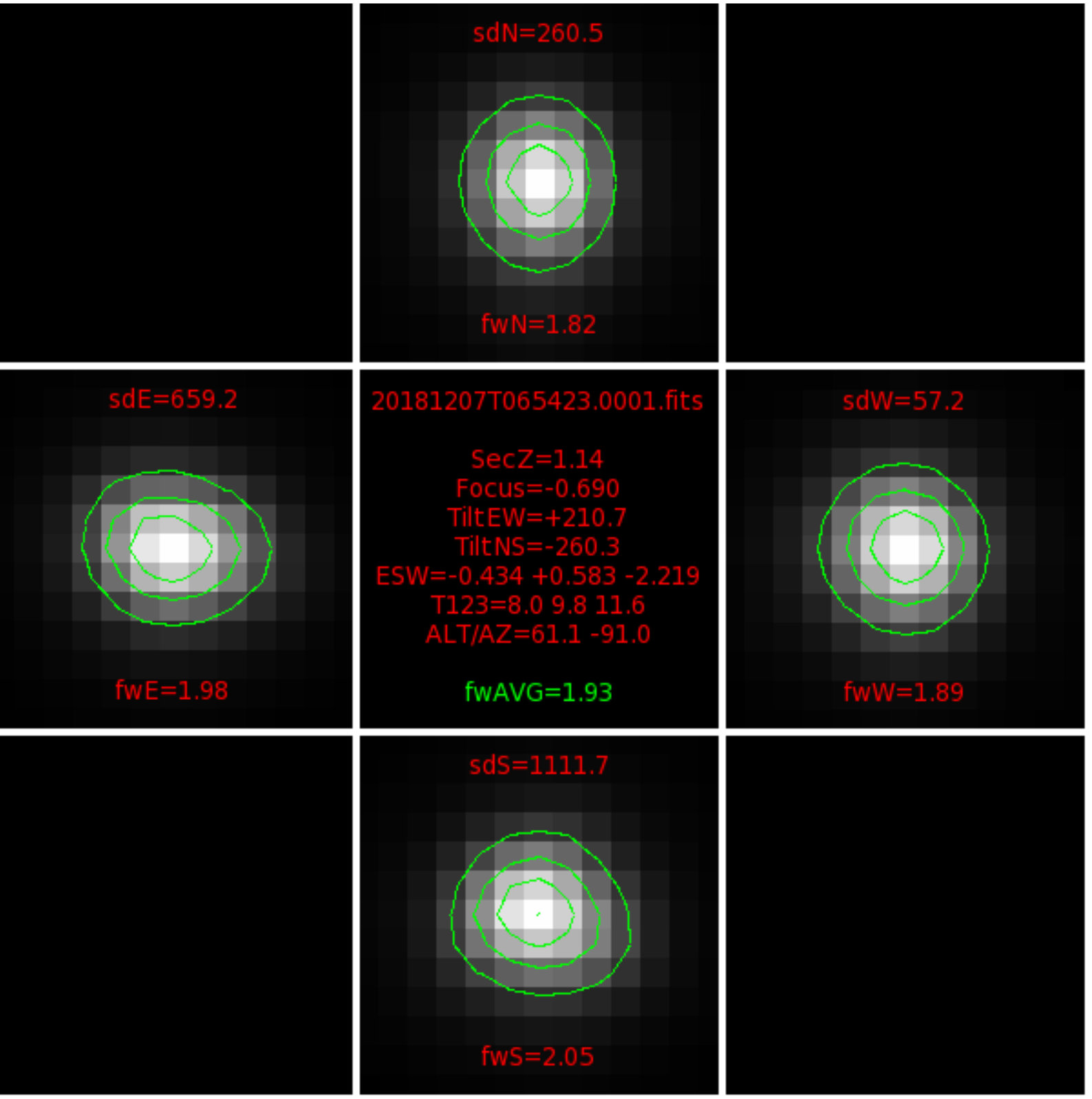
sdN=260.5
fwN=1.82
sdE=659.2
fwE=1.98
20181207T065423.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 9.8 11.6
ALT/AZ=61.1 -91.0
fwAVG=1.93
sdW=57.2
fwW=1.89
sdS=1111.7
fwS=2.05
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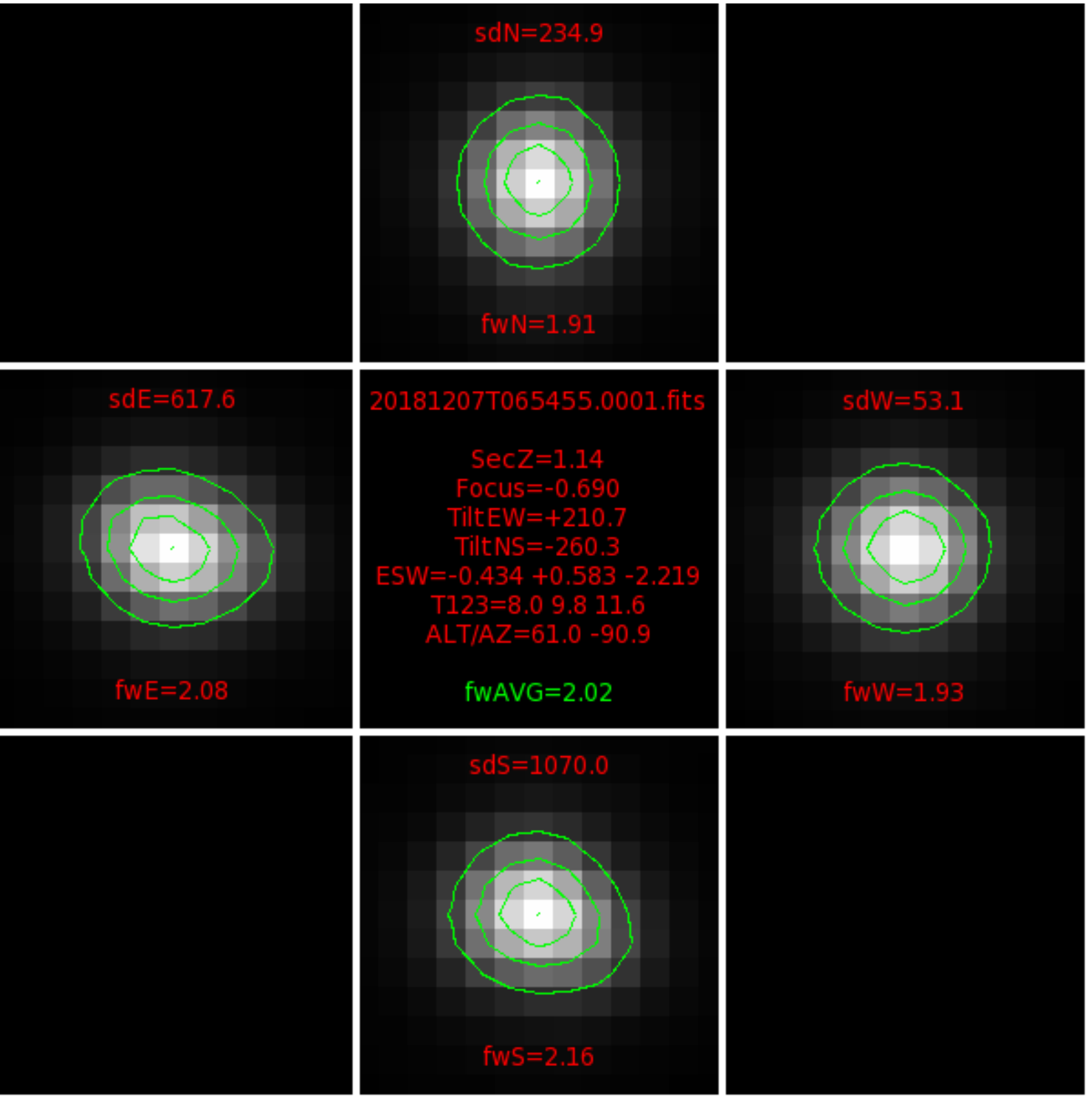
sdN=234.9
fwN=1.91
sdE=617.6
fwE=2.08
20181207T065455.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 9.8 11.6
ALT/AZ=61.0 -90.9
fwAVG=2.02
sdW=53.1
fwW=1.93
sdS=1070.0
fwS=2.16
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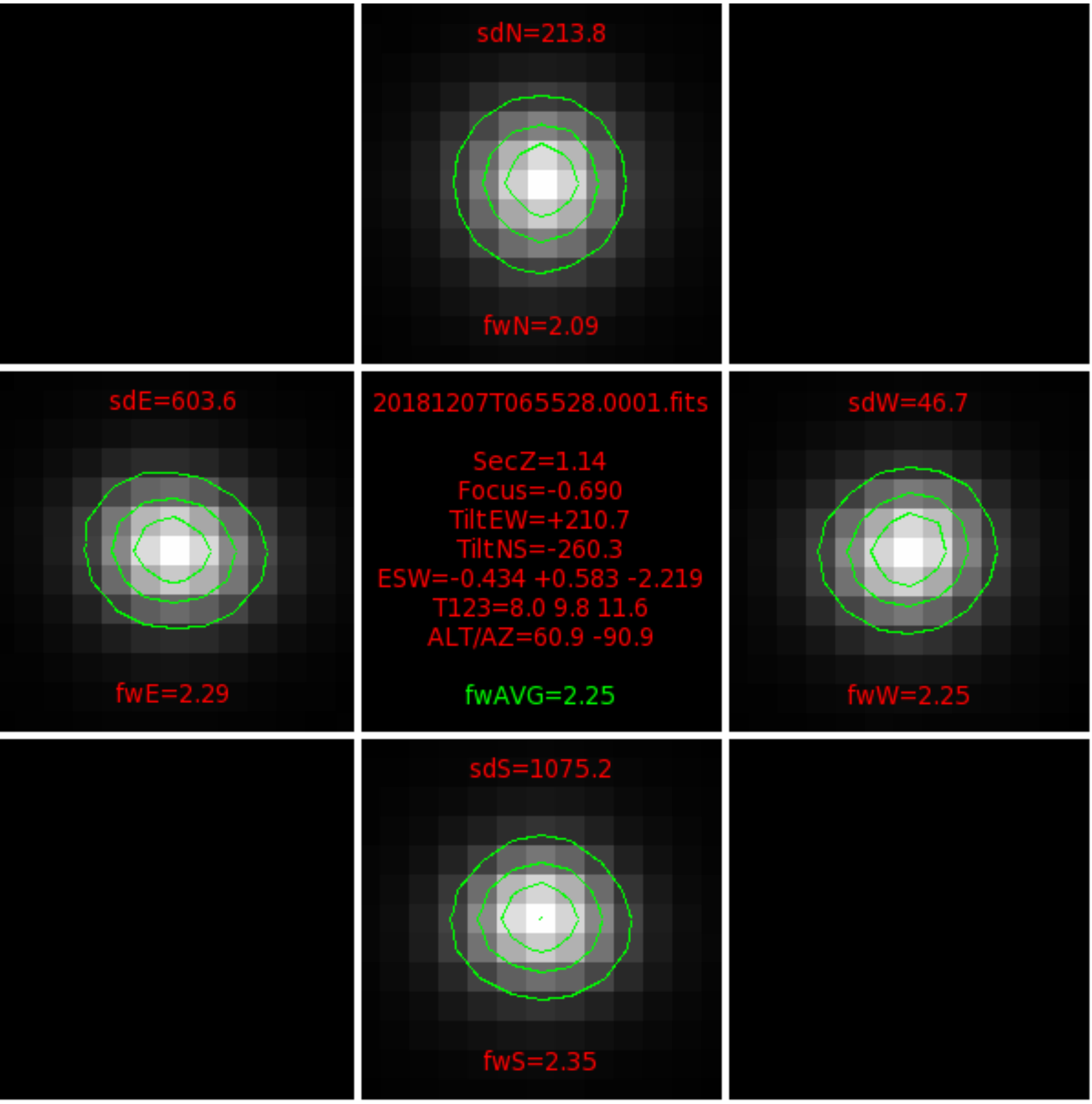
sdN=213.8
fwN=2.09
sdE=603.6
fwE=2.29
20181207T065528.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 9.8 11.6
ALT/AZ=60.9 -90.9
fwAVG=2.25
sdW=46.7
fwW=2.25
sdS=1075.2
fwS=2.35
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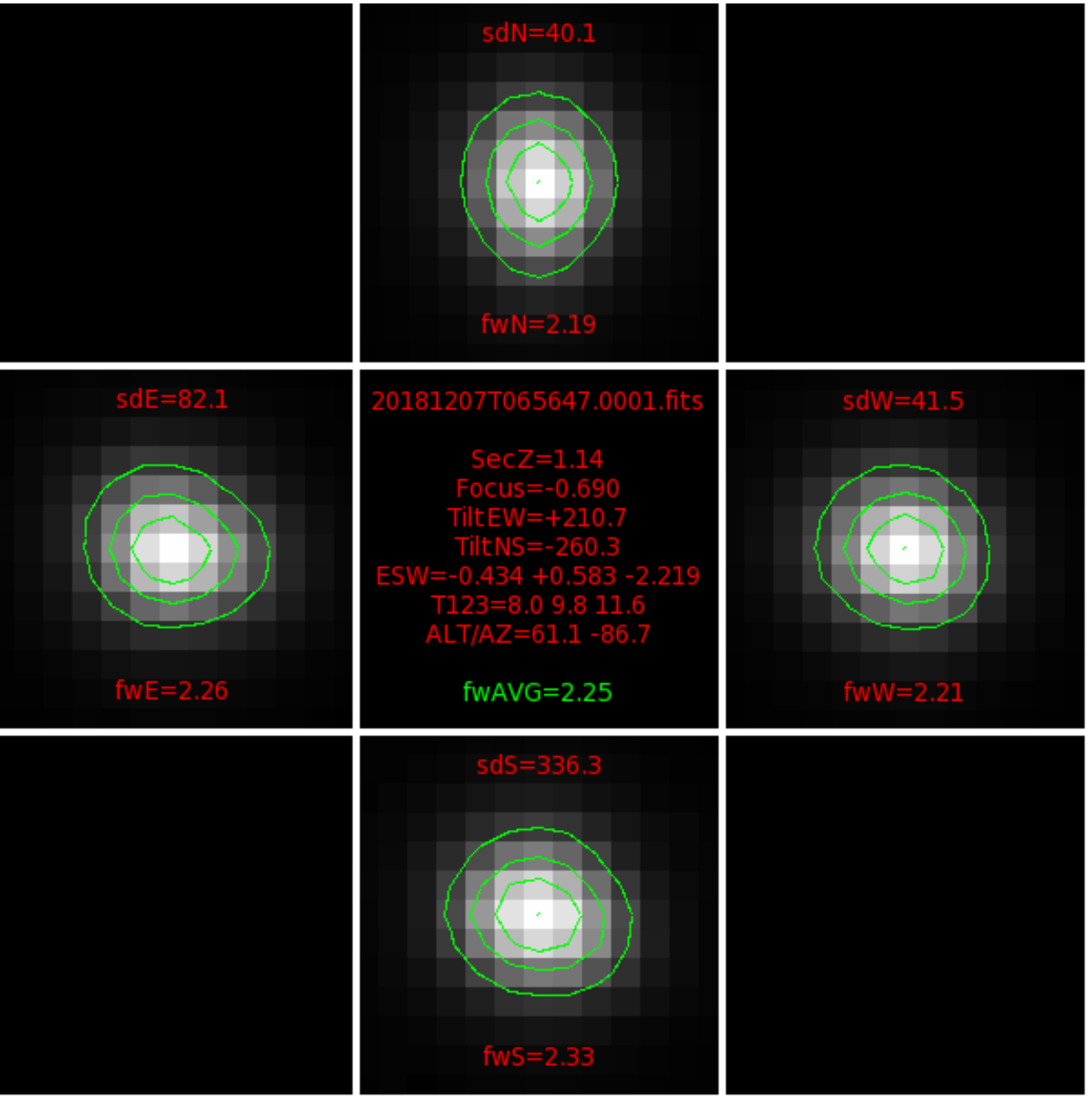
sdN=40.1
fwN=2.19
sdE=82.1
fwE=2.26
20181207T065647.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 9.8 11.6
ALT/AZ=61.1 -86.7
fwAVG=2.25
sdW=41.5
fwW=2.21
sdS=336.3
fwS=2.33
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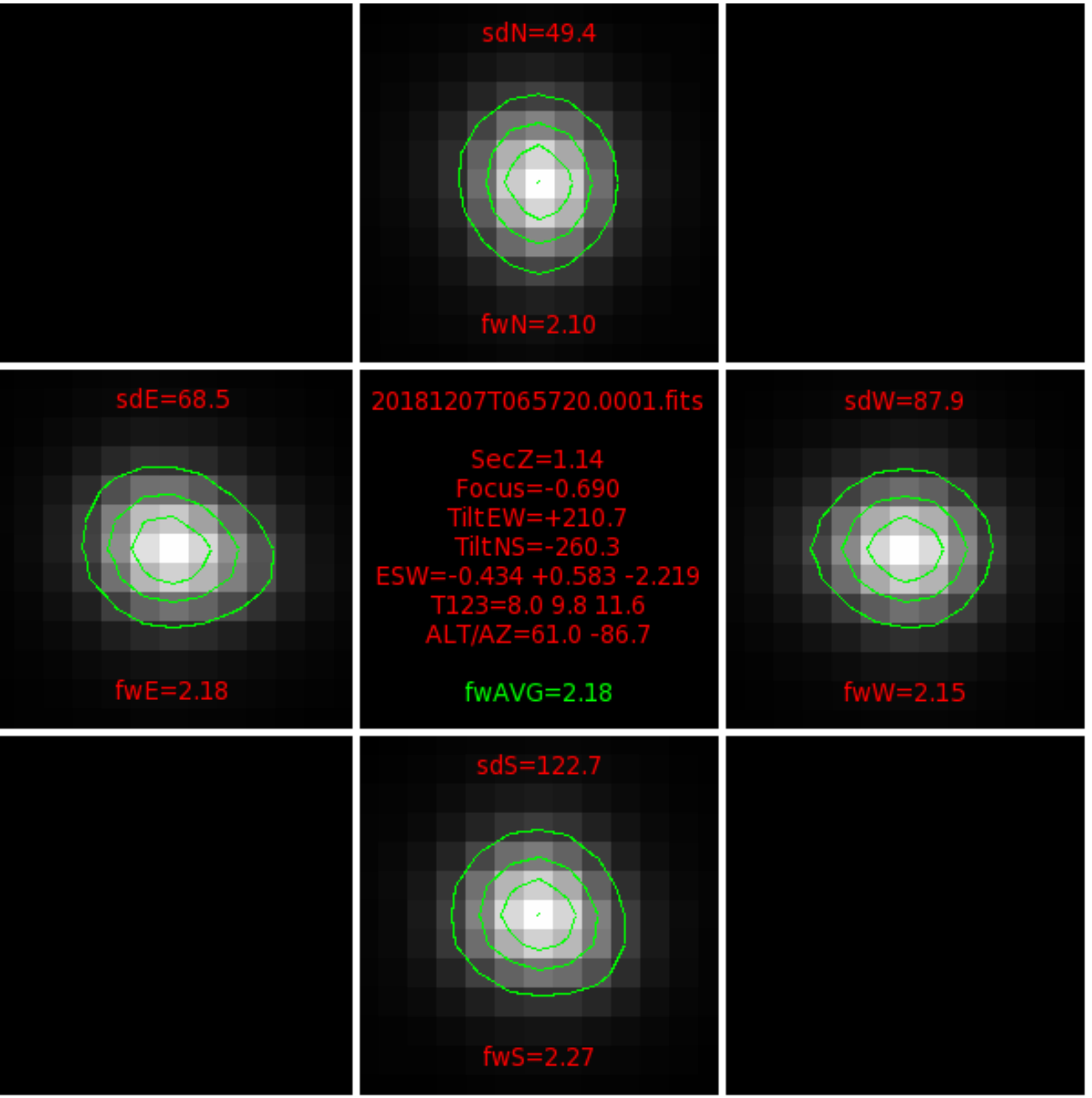
sdN=49.4
fwN=2.10
sdE=68.5
fwE=2.18
20181207T065720.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 9.8 11.6
ALT/AZ=61.0 -86.7
fwAVG=2.18
sdW=87.9
fwW=2.15
sdS=122.7
fwS=2.27
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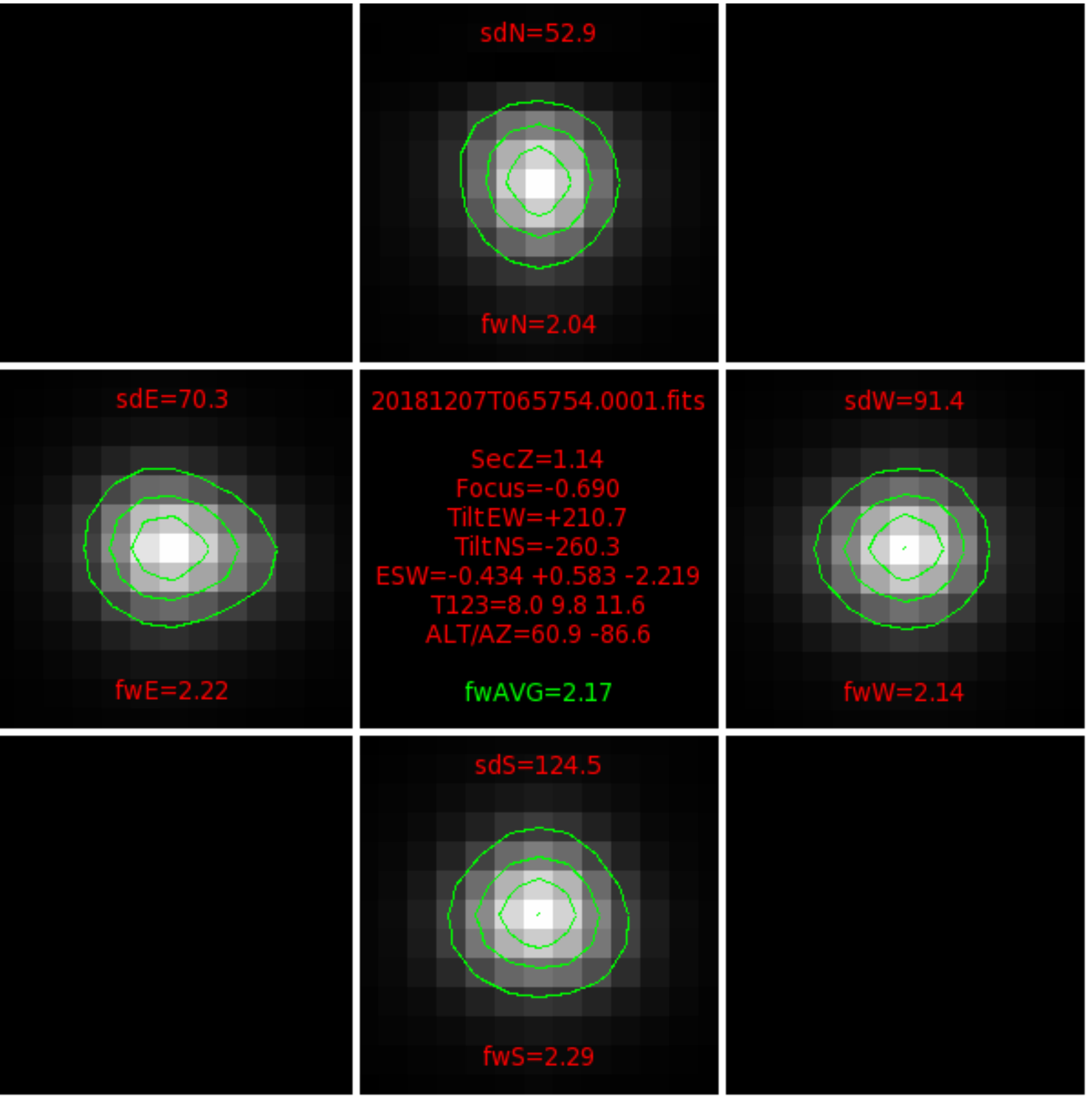
sdN=52.9
fwN=2.04
sdE=70.3
fwE=2.22
20181207T065754.0001.fits
SecZ=1.14
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 9.8 11.6
ALT/AZ=60.9 -86.6
fwAVG=2.17
sdW=91.4
fwW=2.14
sdS=124.5
fwS=2.29
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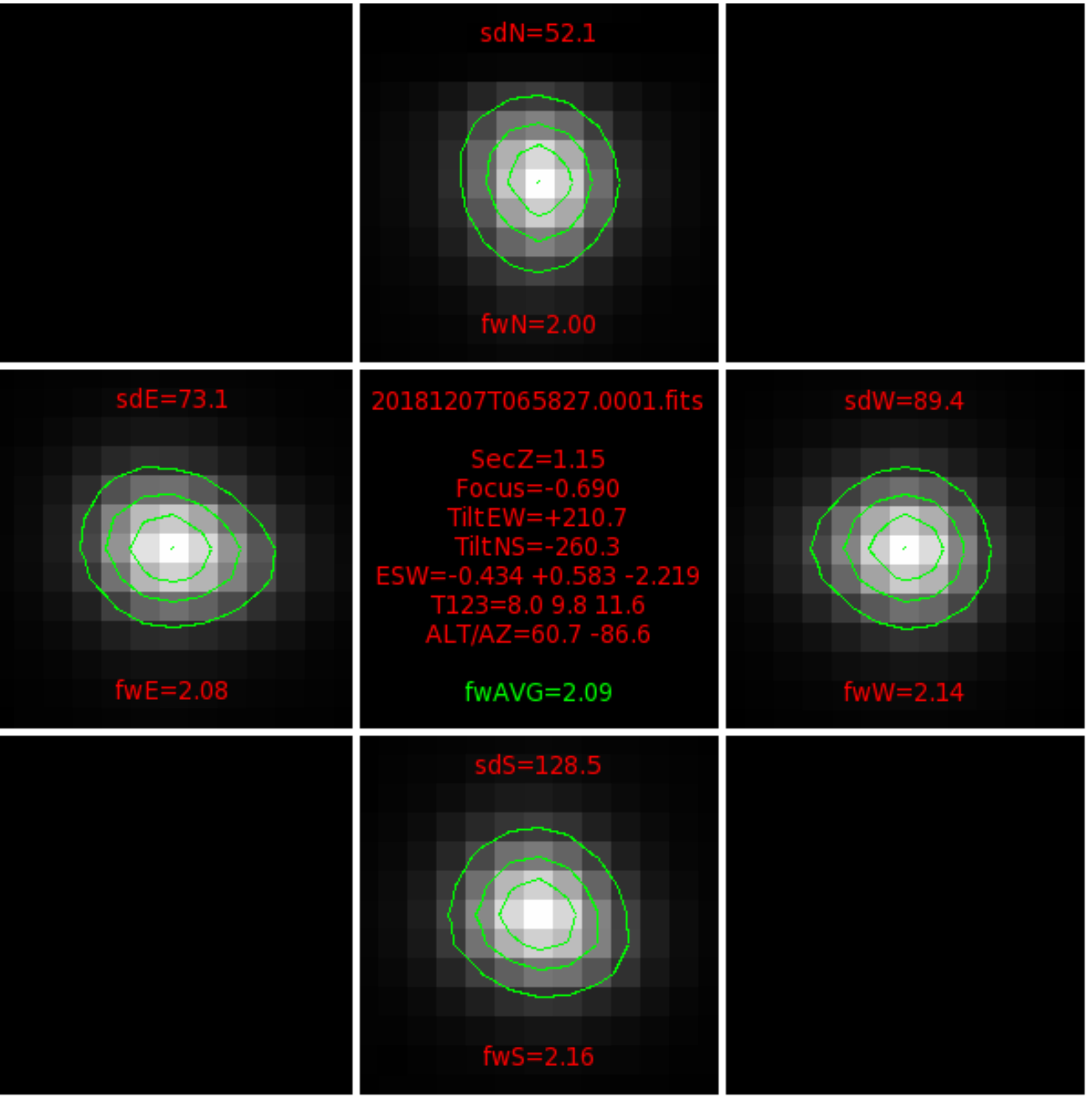
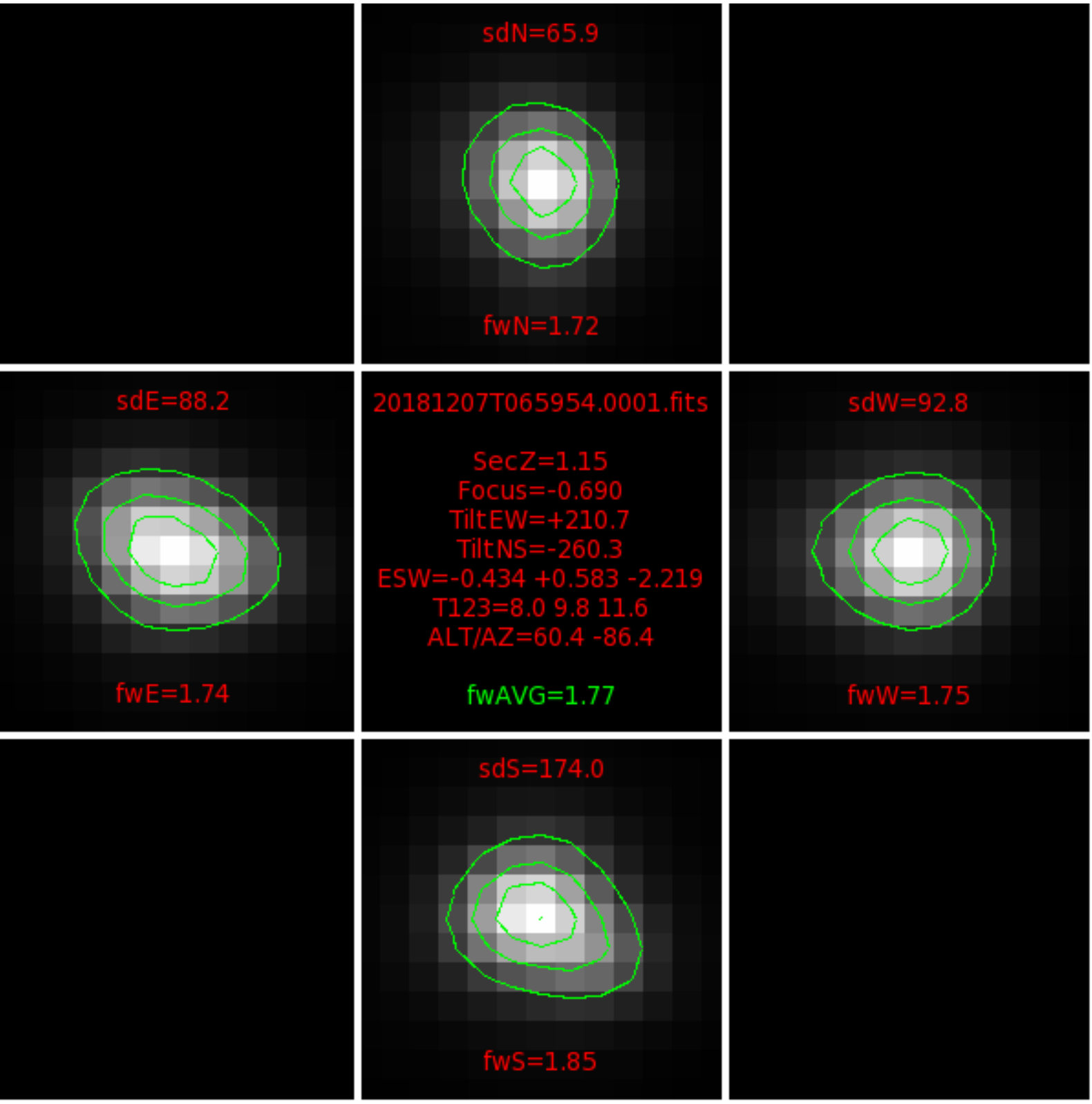

sdN=52.1
fwN=2.00
sdE=73.1
fwE=2.08
20181207T065827.0001.fits
SecZ=1.15
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 9.8 11.6
ALT/AZ=60.7 -86.6
fwAVG=2.09
sdW=89.4
fwW=2.14
sdS=128.5
fwS=2.16
0 0 0 0 0 0 0 0 0


sdN=65.9
fwN=1.72
sdE=88.2
fwE=1.74
20181207T065954.0001.fits
SecZ=1.15
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 9.8 11.6
ALT/AZ=60.4 -86.4
fwAVG=1.77
sdW=92.8
fwW=1.75
sdS=174.0
fwS=1.85
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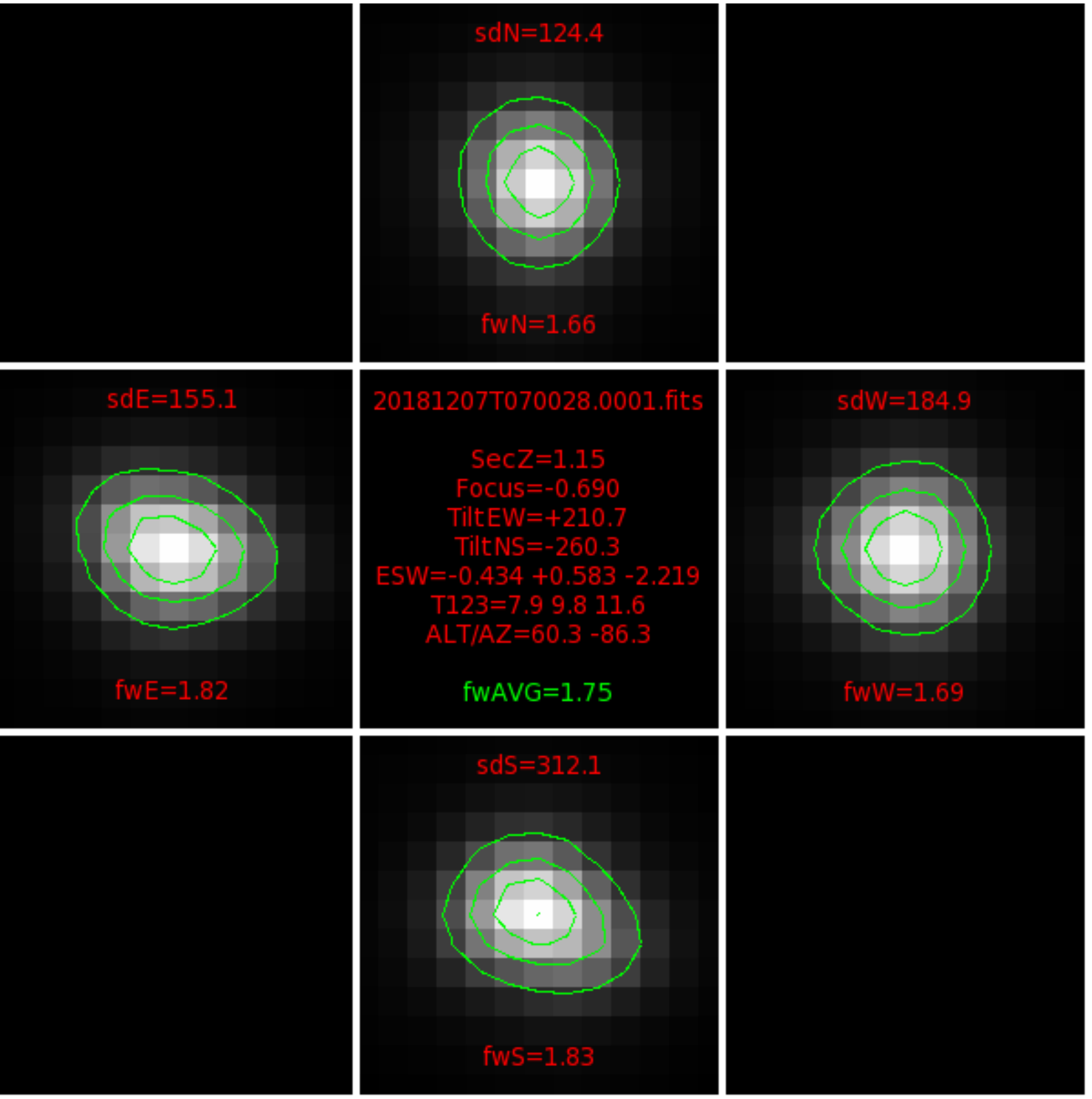
sdN=124.4
fwN=1.66
sdE=155.1
fwE=1.82
20181207T070028.0001.fits
SecZ=1.15
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.9 9.8 11.6
ALT/AZ=60.3 -86.3
fwAVG=1.75
sdW=184.9
fwW=1.69
sdS=312.1
fwS=1.83
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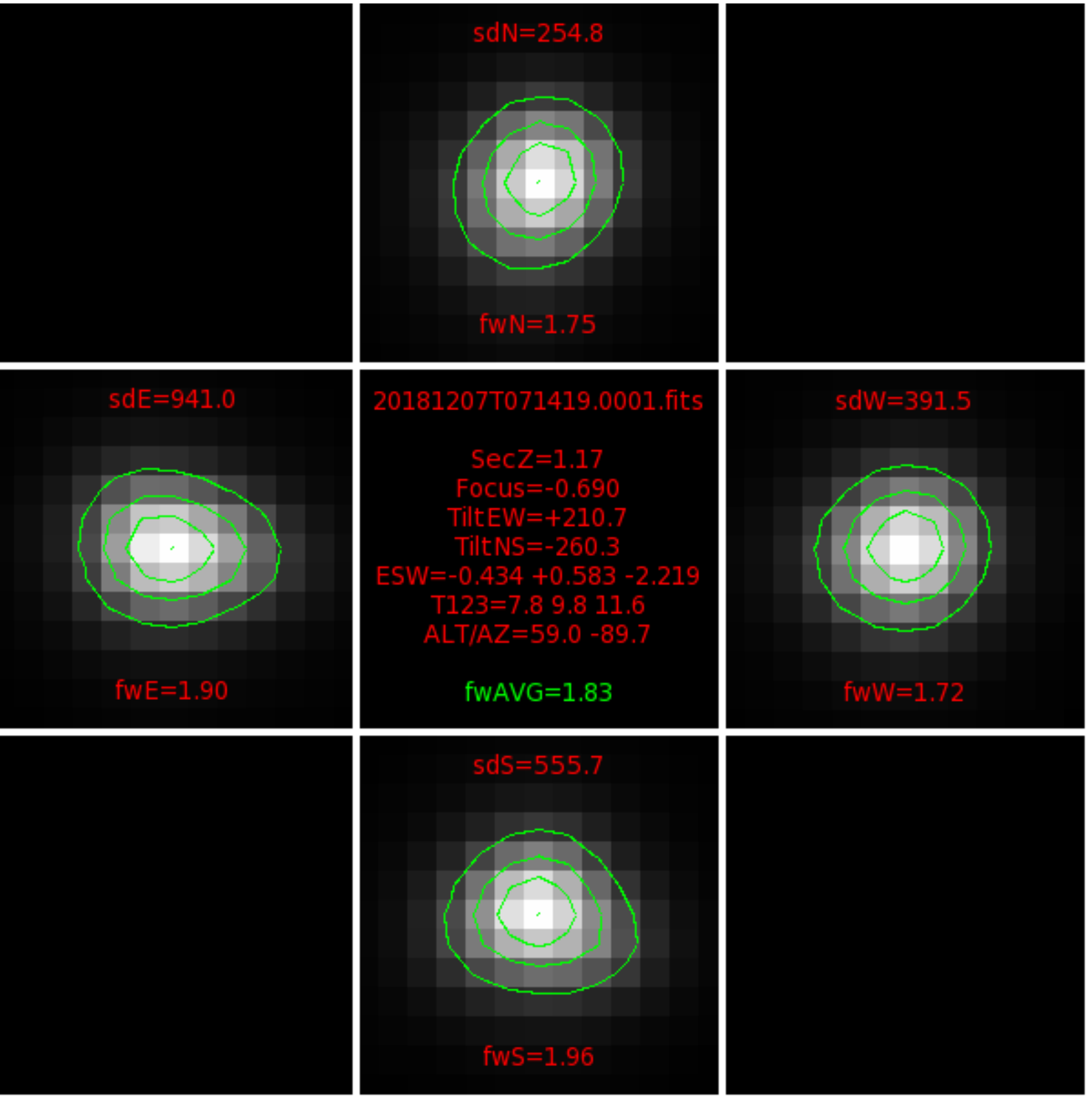
sdN=254.8
fwN=1.75
sdE=941.0
fwE=1.90
20181207T071419.0001.fits
SecZ=1.17
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.8 11.6
ALT/AZ=59.0 -89.7
fwAVG=1.83
sdW=391.5
fwW=1.72
sdS=555.7
fwS=1.96
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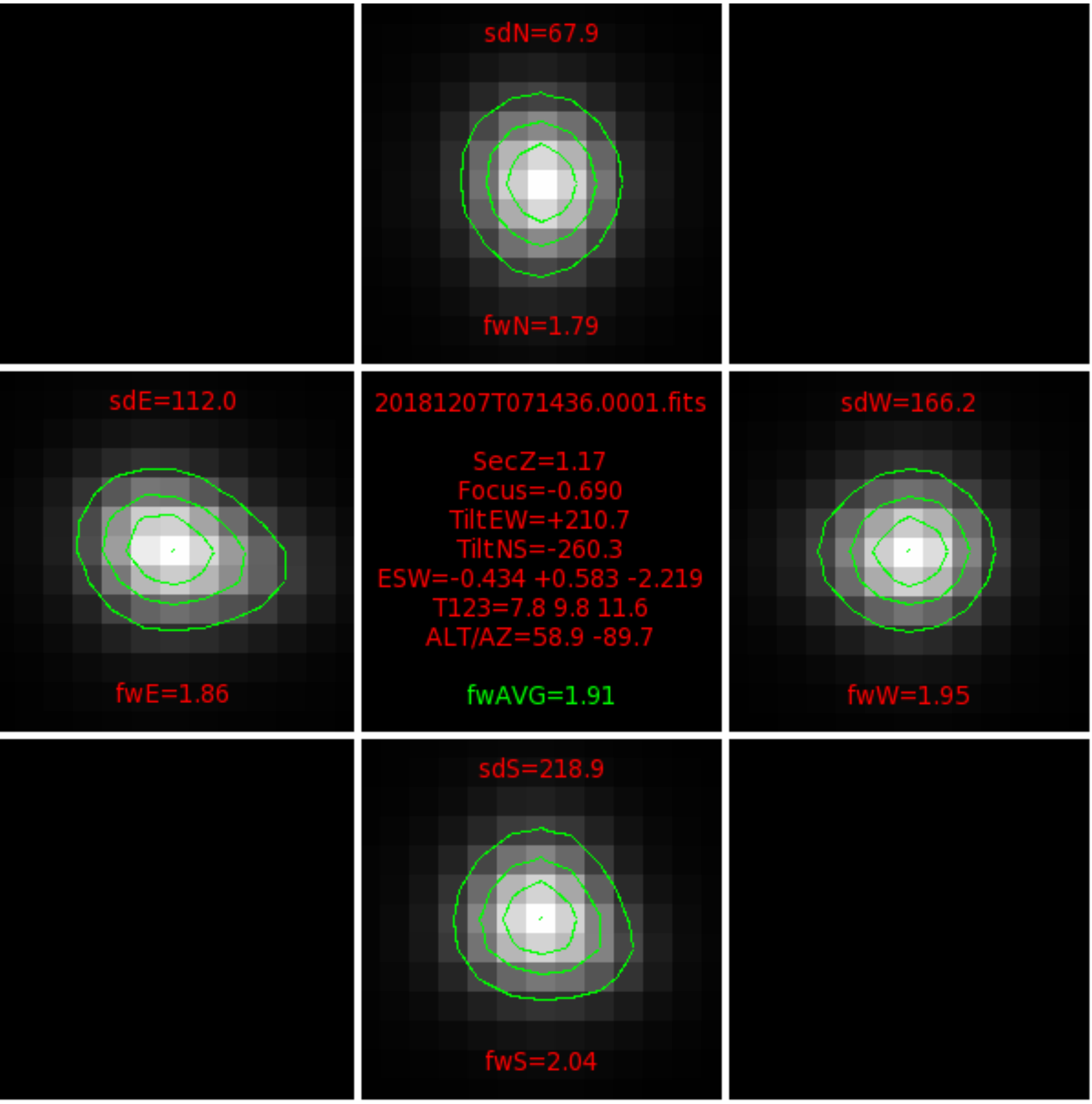
sdN=67.9
fwN=1.79
sdE=112.0
fwE=1.86
20181207T071436.0001.fits
SecZ=1.17
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.8 11.6
ALT/AZ=58.9 -89.7
fwAVG=1.91
sdW=166.2
fwW=1.95
sdS=218.9
fwS=2.04
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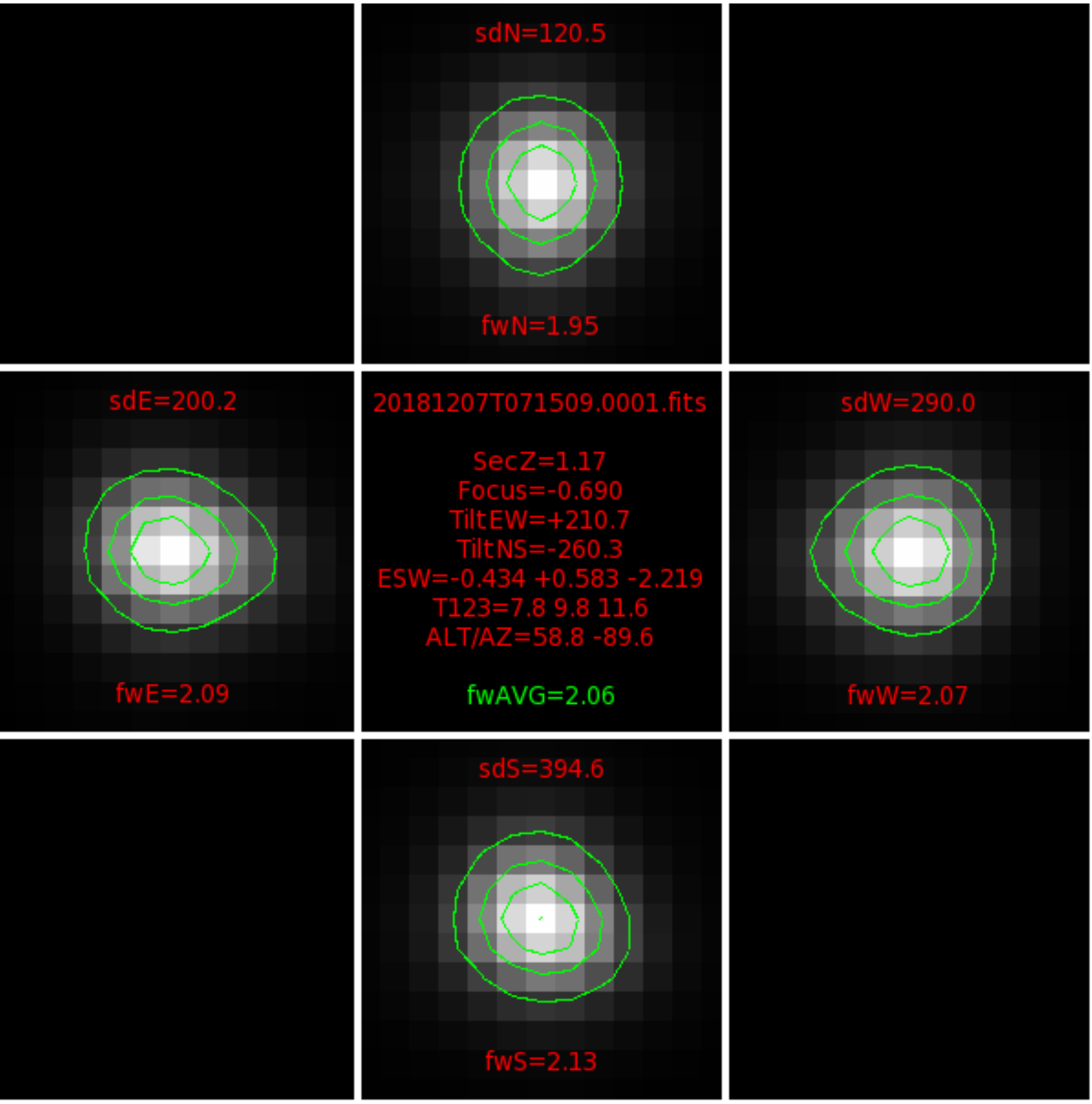
sdN=120.5
fwN=1.95
sdE=200.2
fwE=2.09
20181207T071509.0001.fits
SecZ=1.17
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.8 11.6
ALT/AZ=58.8 -89.6
fwAVG=2.06
sdW=290.0
fwW=2.07
sdS=394.6
fwS=2.13
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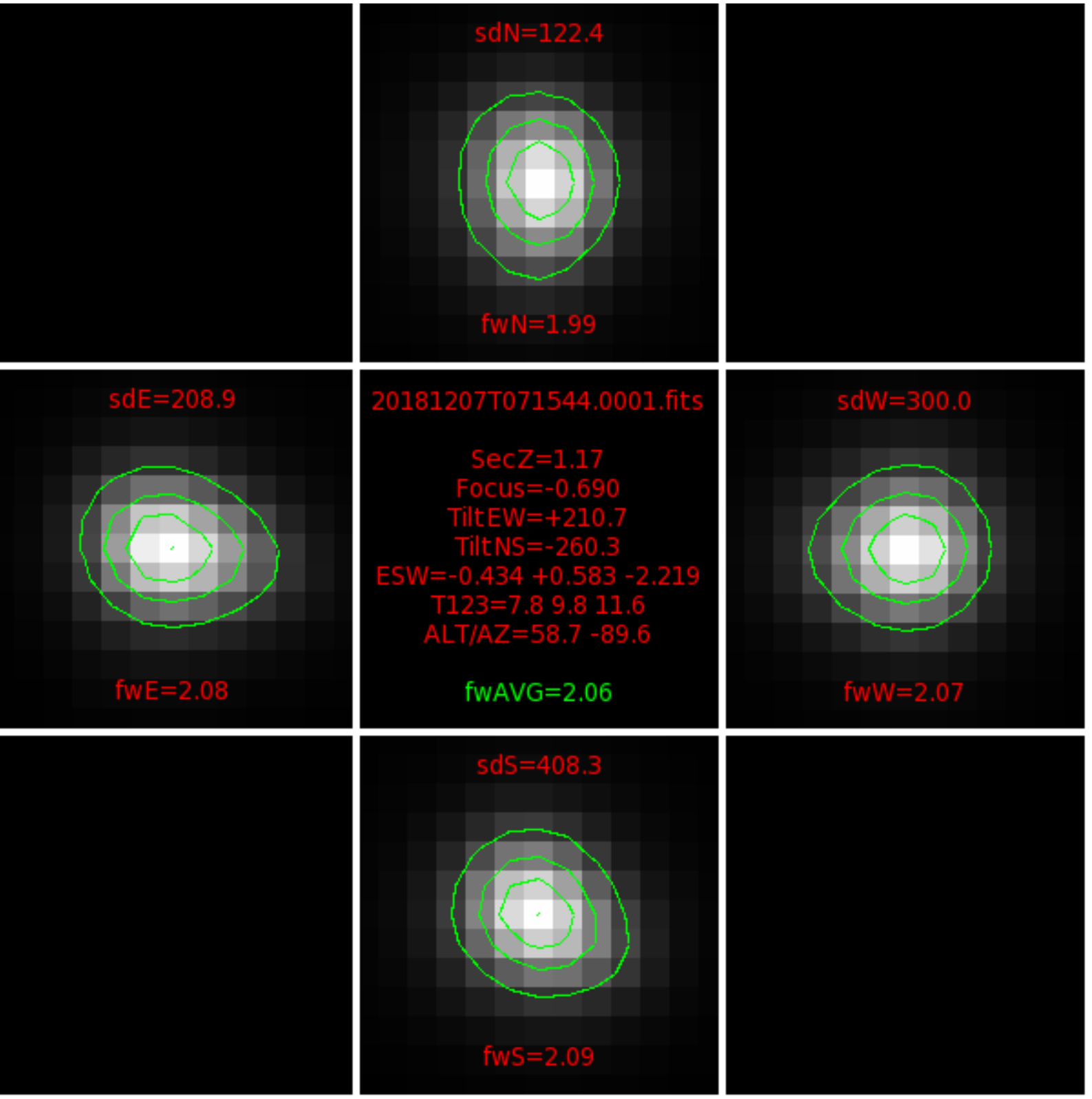
sdN=122.4
fwN=1.99
sdE=208.9
fwE=2.08
20181207T071544.0001.fits
SecZ=1.17
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.8 11.6
ALT/AZ=58.7 -89.6
fwAVG=2.06
sdW=300.0
fwW=2.07
sdS=408.3
fwS=2.09
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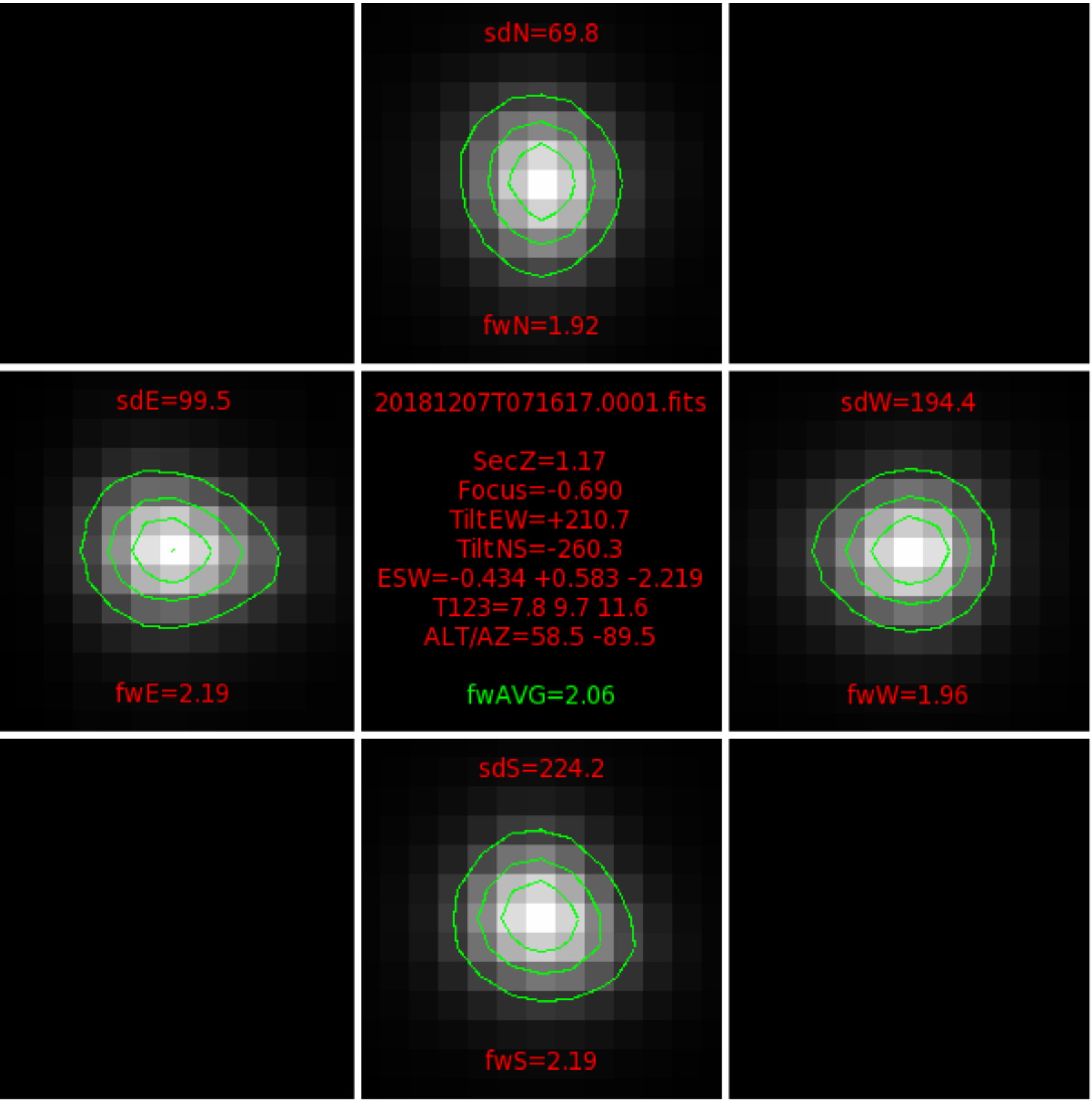
sdN=69.8
fwN=1.92
sdE=99.5
fwE=2.19
20181207T071617.0001.fits
SecZ=1.17
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.7 11.6
ALT/AZ=58.5 -89.5
fwAVG=2.06
sdW=194.4
fwW=1.96
sdS=224.2
fwS=2.19
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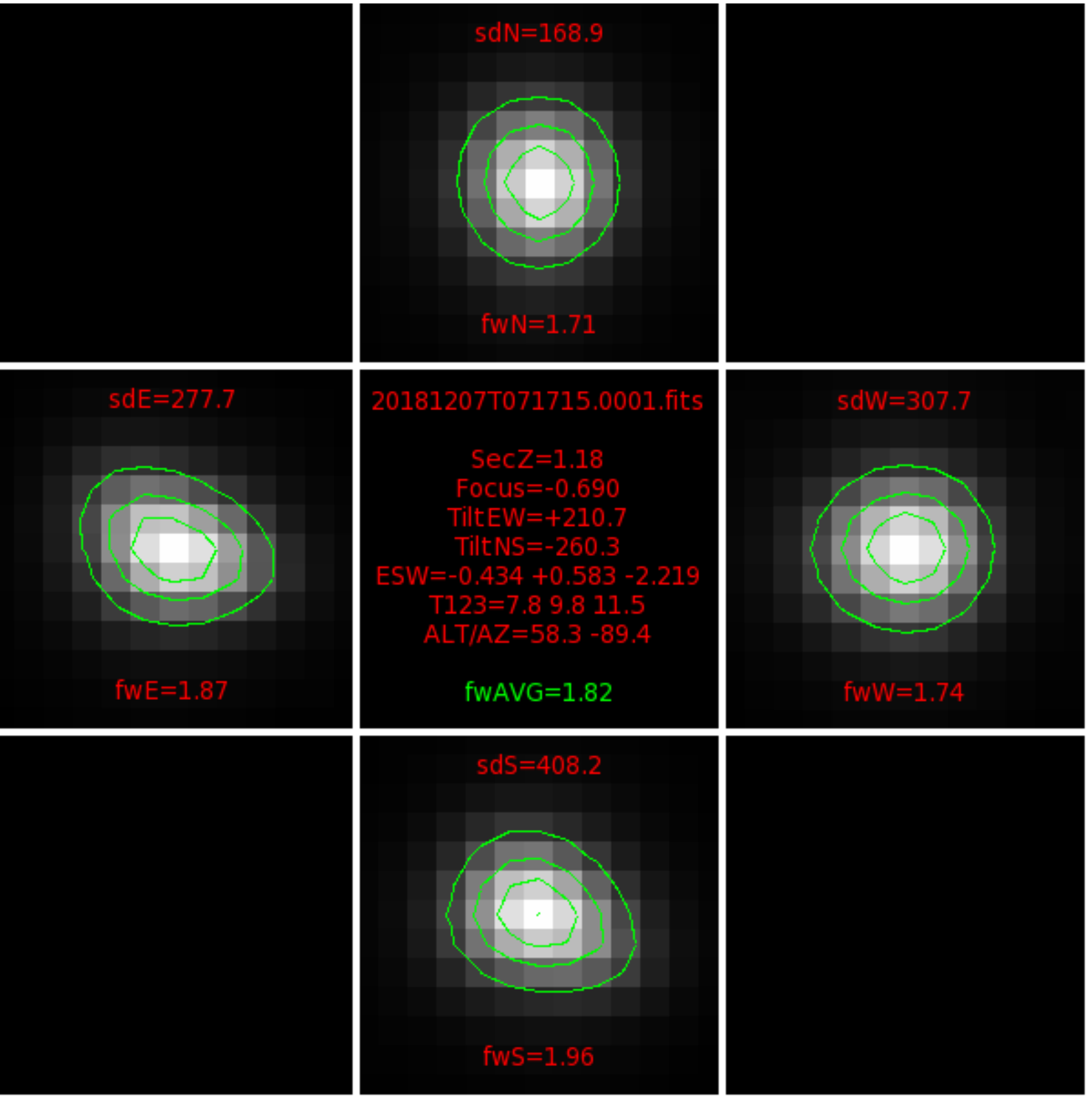
sdN=168.9
fwN=1.71
sdE=277.7
fwE=1.87
20181207T071715.0001.fits
SecZ=1.18
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.8 11.5
ALT/AZ=58.3 -89.4
fwAVG=1.82
sdW=307.7
fwW=1.74
sdS=408.2
fwS=1.96
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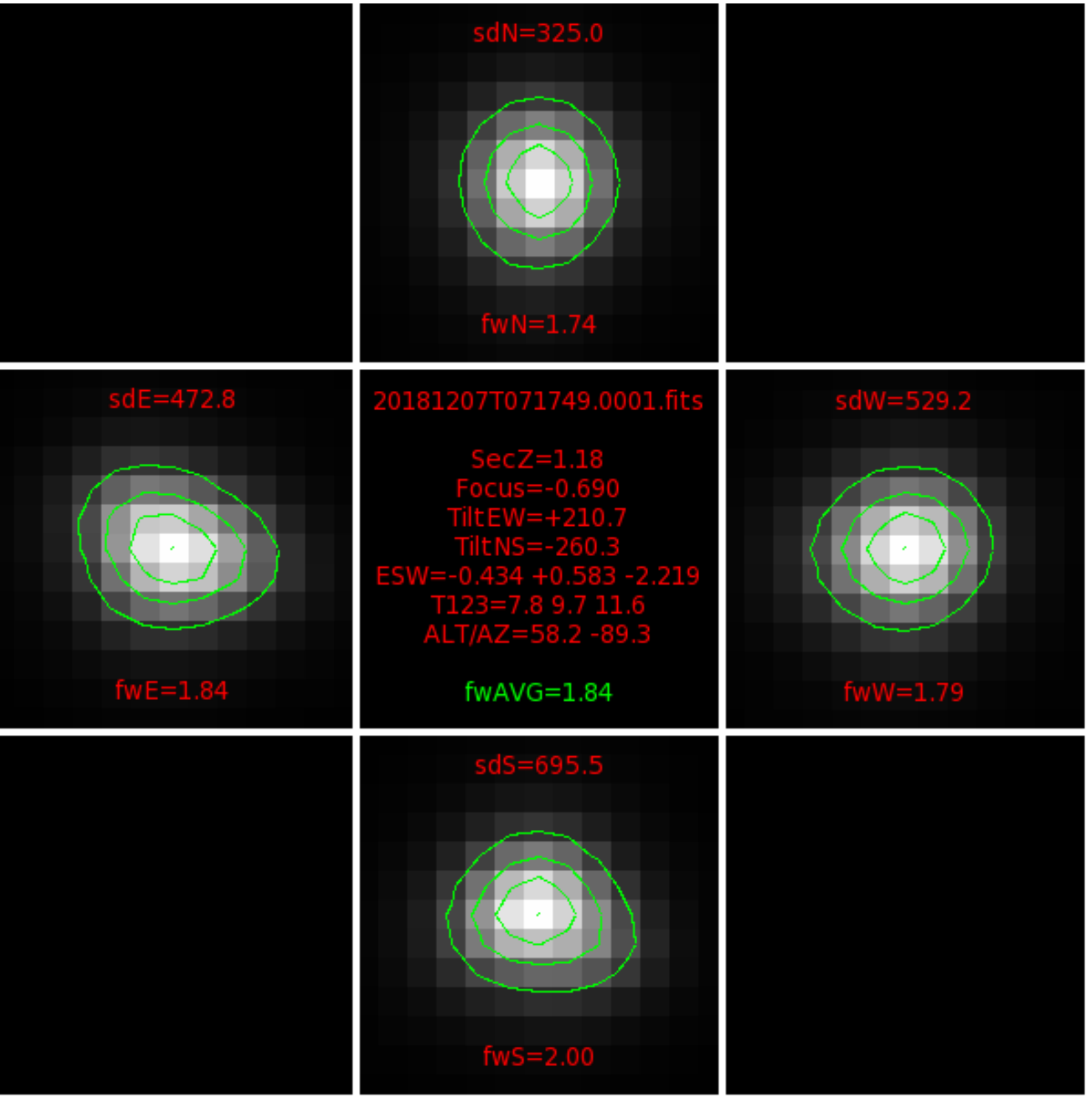
sdN=325.0
fwN=1.74
sdE=472.8
fwE=1.84
20181207T071749.0001.fits
SecZ=1.18
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.7 11.6
ALT/AZ=58.2 -89.3
fwAVG=1.84
sdW=529.2
fwW=1.79
sdS=695.5
fwS=2.00
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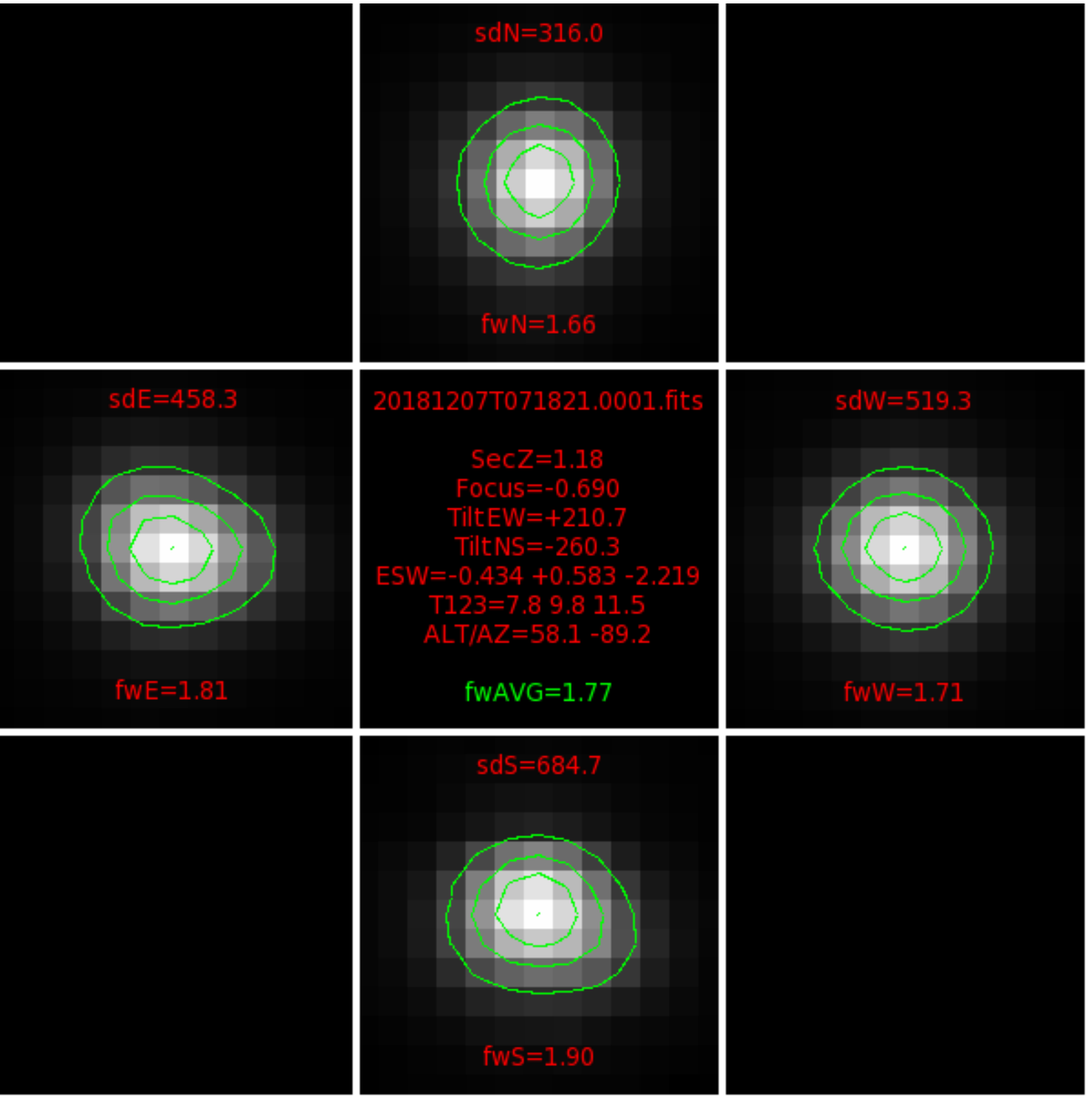
sdN=316.0
fwN=1.66
sdE=458.3
fwE=1.81
20181207T071821.0001.fits
SecZ=1.18
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.8 11.5
ALT/AZ=58.1 -89.2
fwAVG=1.77
sdW=519.3
fwW=1.71
sdS=684.7
fwS=1.90
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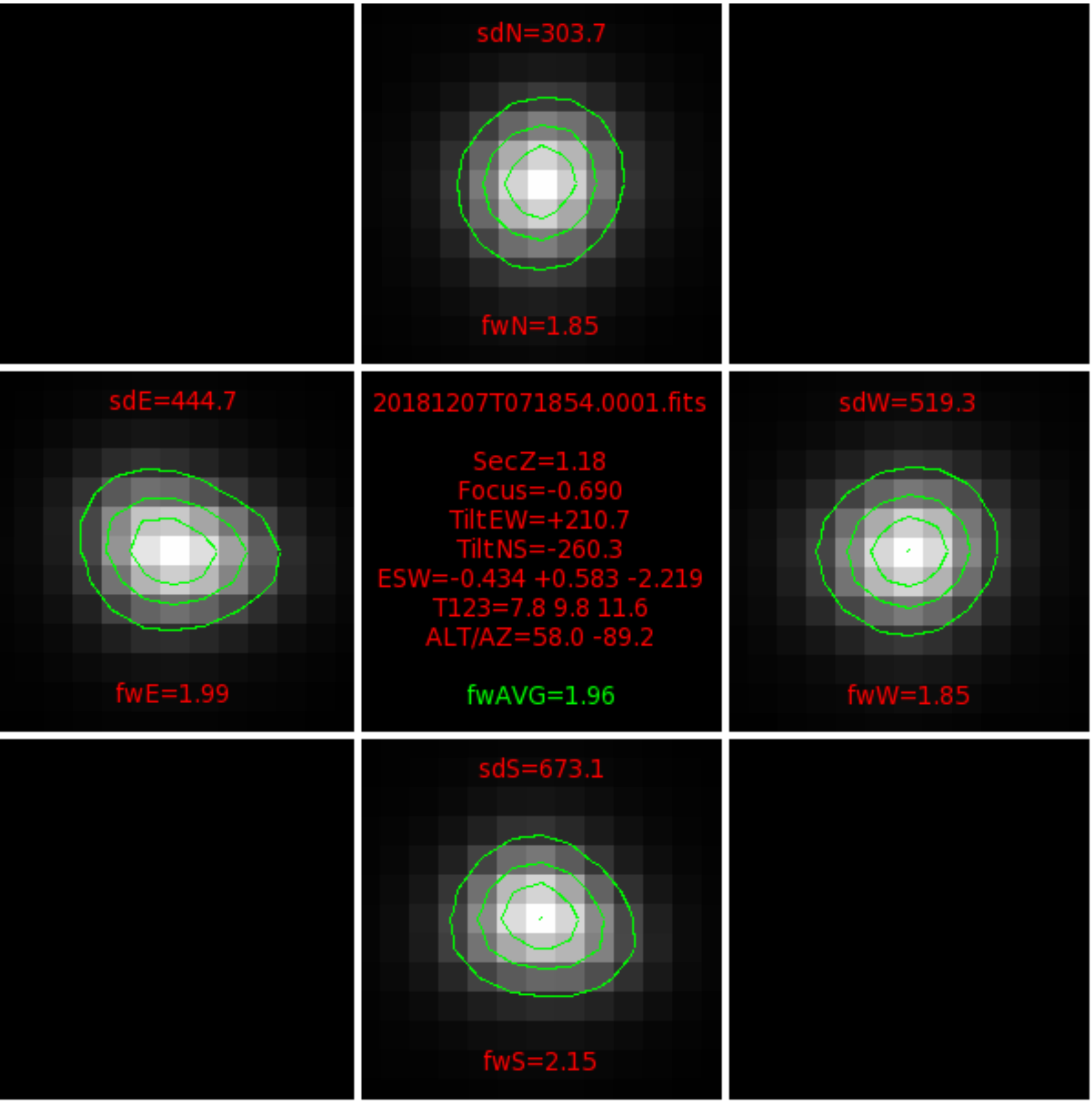
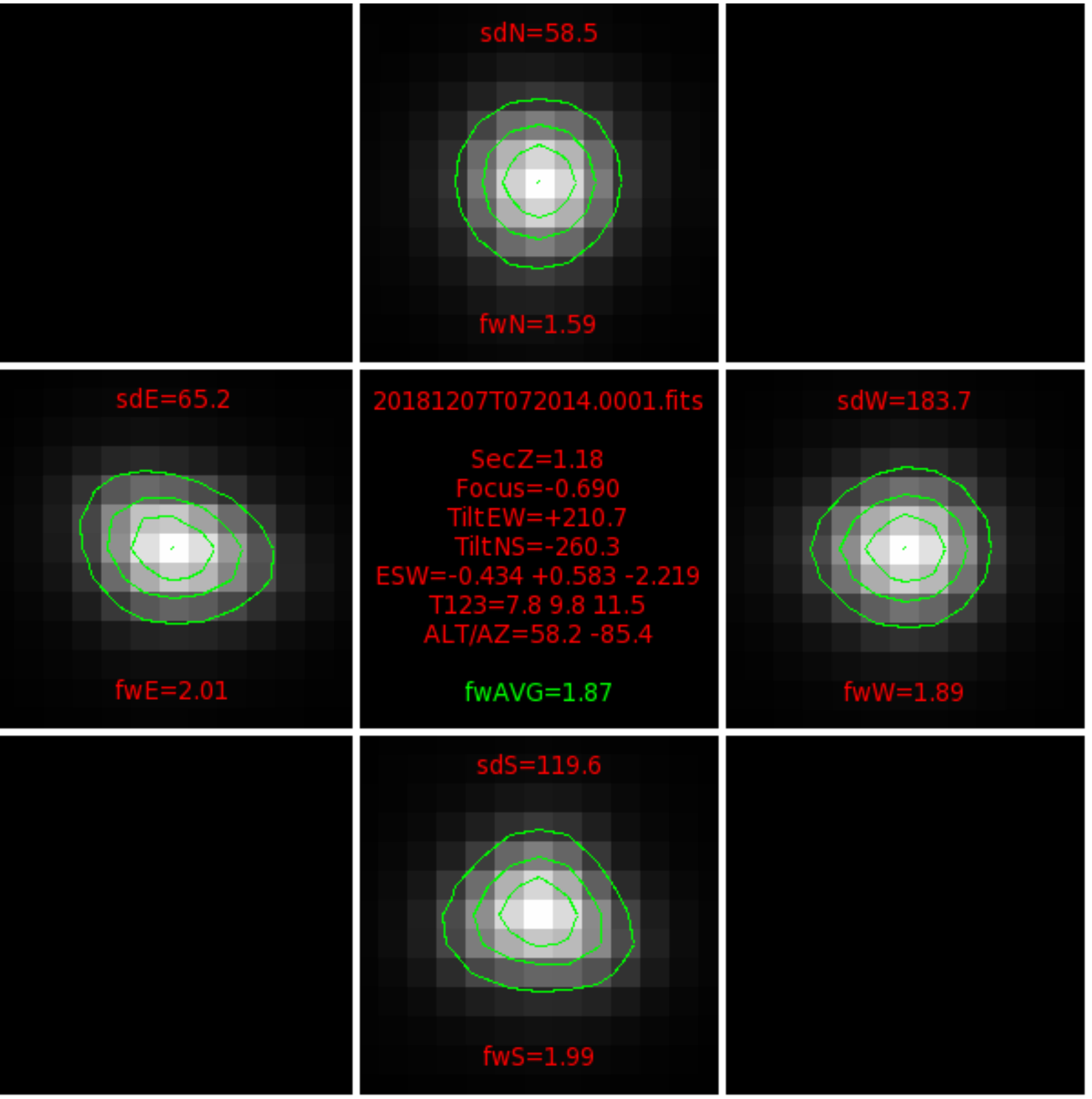

sdN=303.7
fwN=1.85
sdE=444.7
fwE=1.99
20181207T071854.0001.fits
SecZ=1.18
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.8 11.6
ALT/AZ=58.0 -89.2
fwAVG=1.96
sdW=519.3
fwW=1.85
sdS=673.1
fwS=2.15
0 0 0 0 0 0 0 0 0


sdN=58.5
fwN=1.59
sdE=65.2
fwE=2.01
20181207T072014.0001.fits
SecZ=1.18
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.8 11.5
ALT/AZ=58.2 -85.4
fwAVG=1.87
sdW=183.7
fwW=1.89
sdS=119.6
fwS=1.99
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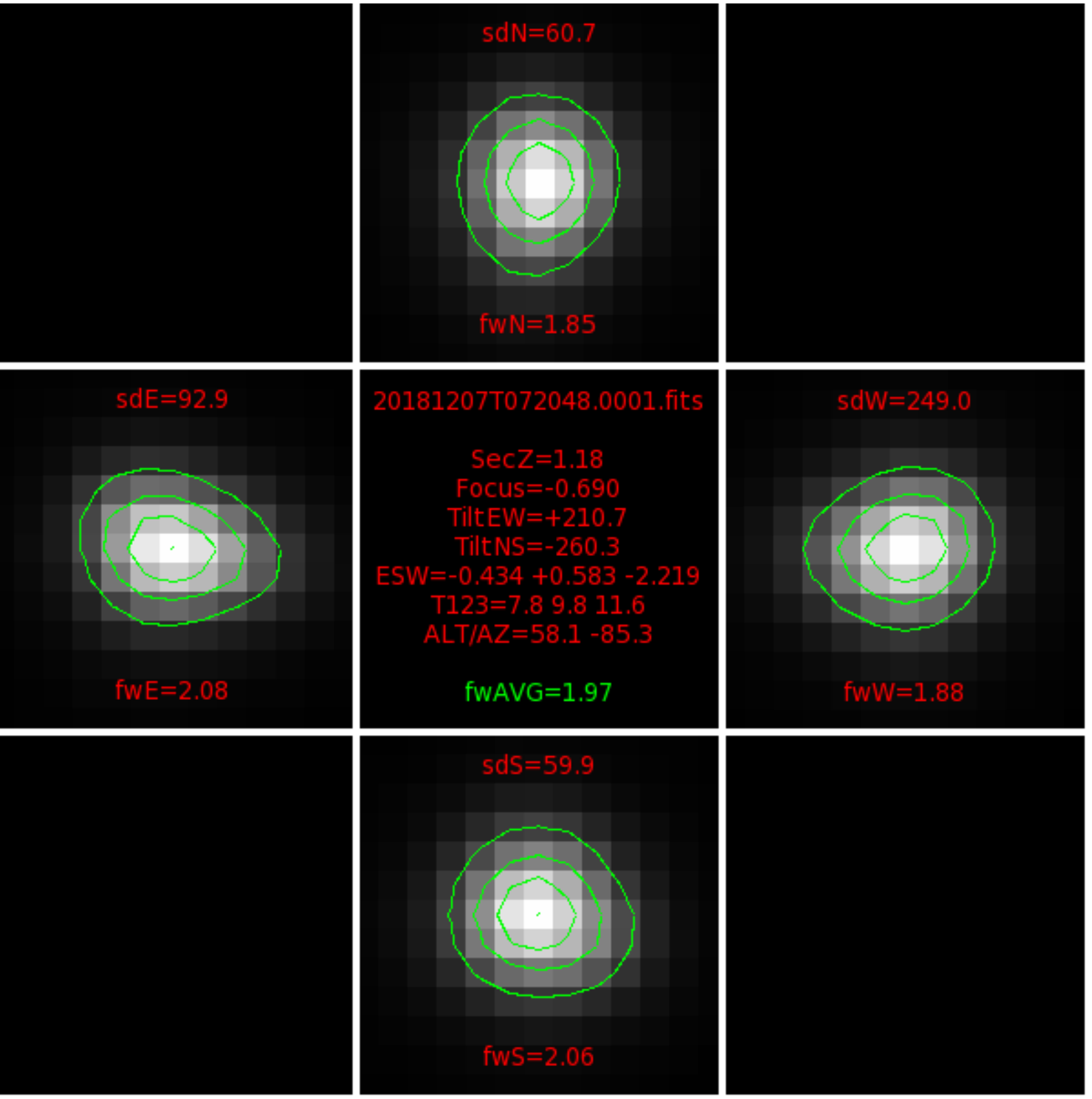
sdN=60.7
fwN=1.85
sdE=92.9
fwE=2.08
20181207T072048.0001.fits
SecZ=1.18
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.8 11.6
ALT/AZ=58.1 -85.3
fwAVG=1.97
sdW=249.0
fwW=1.88
sdS=59.9
fwS=2.06
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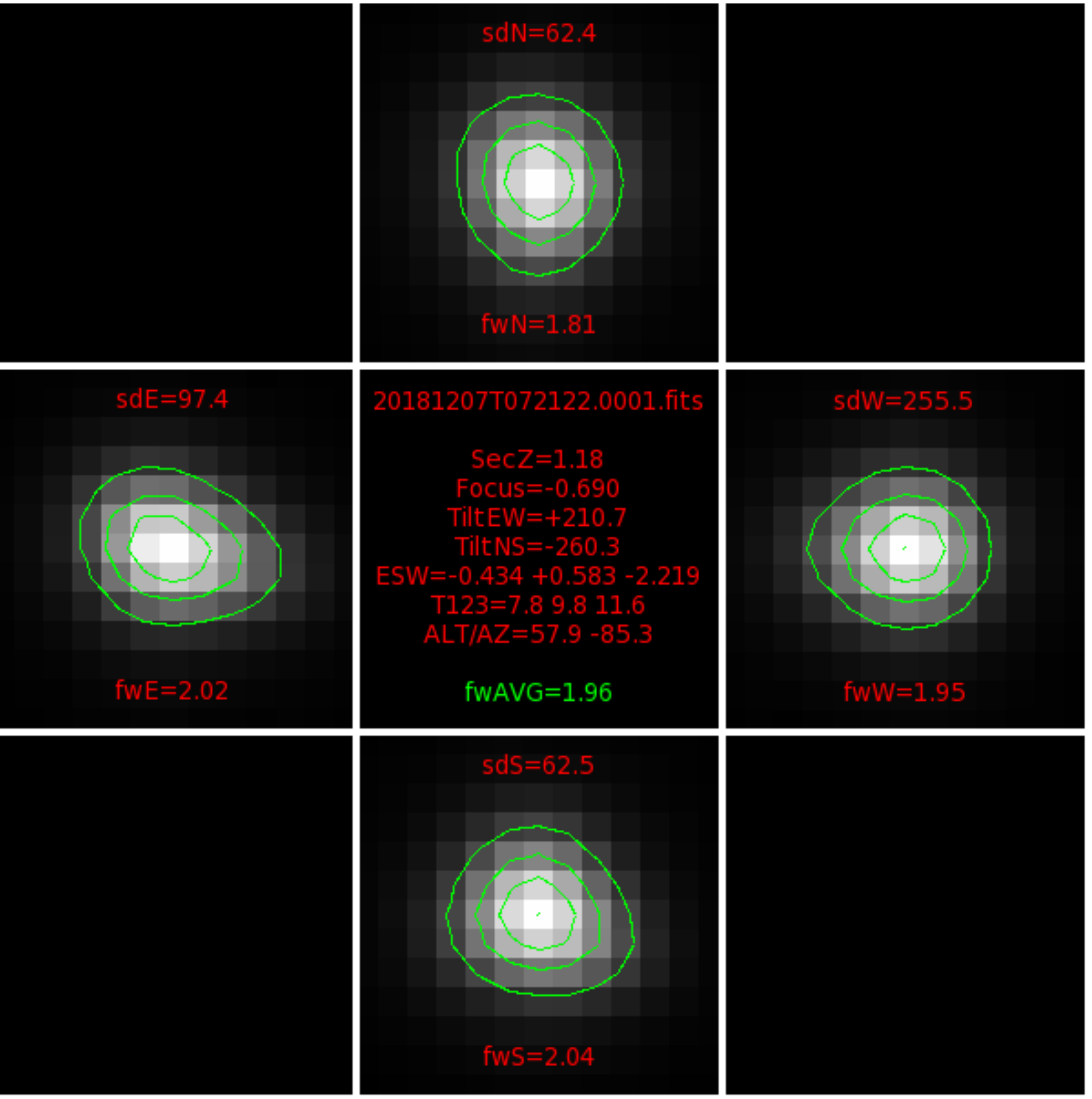
sdN=62.4
fwN=1.81
sdE=97.4
fwE=2.02
20181207T072122.0001.fits
SecZ=1.18
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.8 11.6
ALT/AZ=57.9 -85.3
fwAVG=1.96
sdW=255.5
fwW=1.95
sdS=62.5
fwS=2.04
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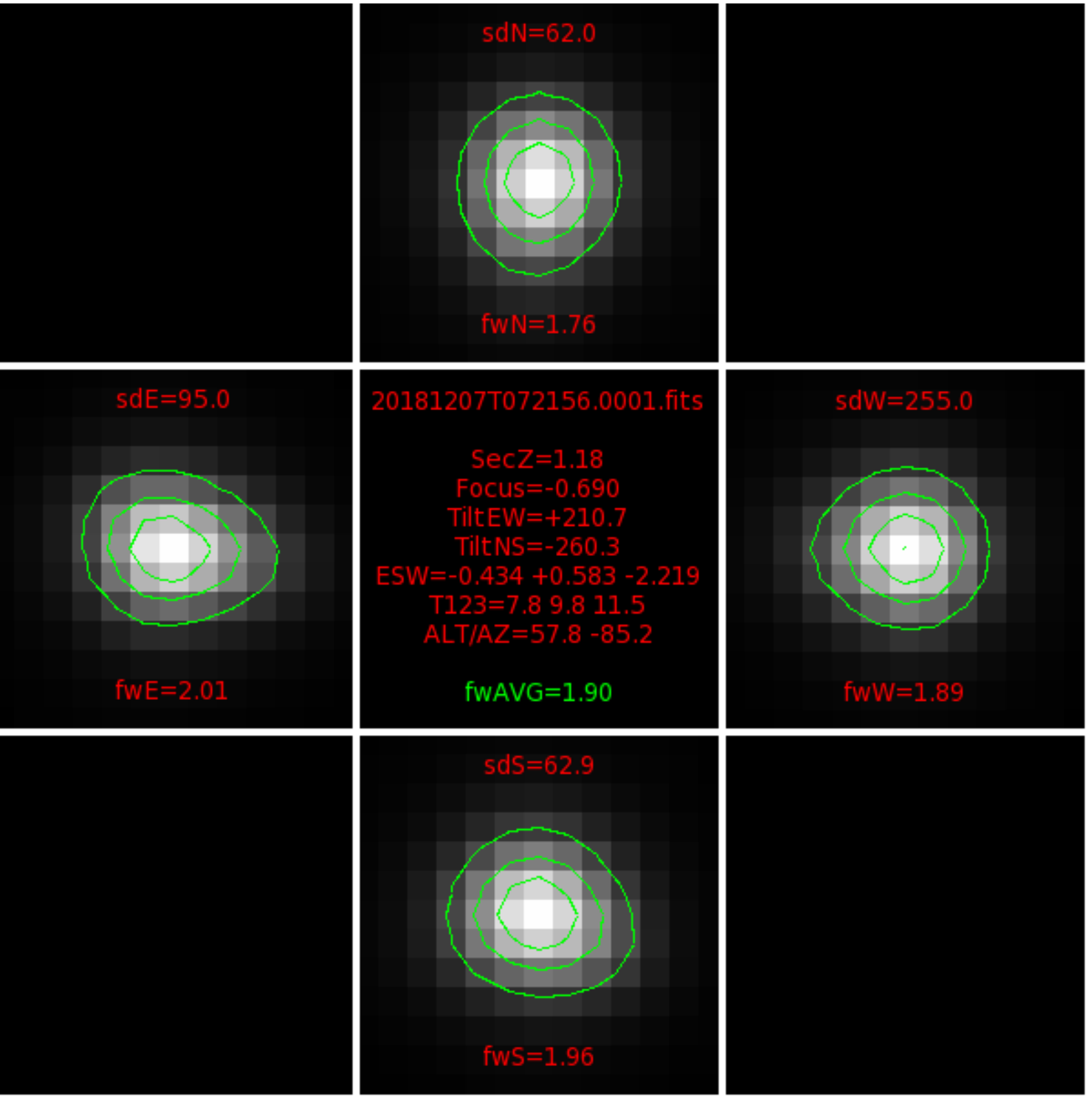
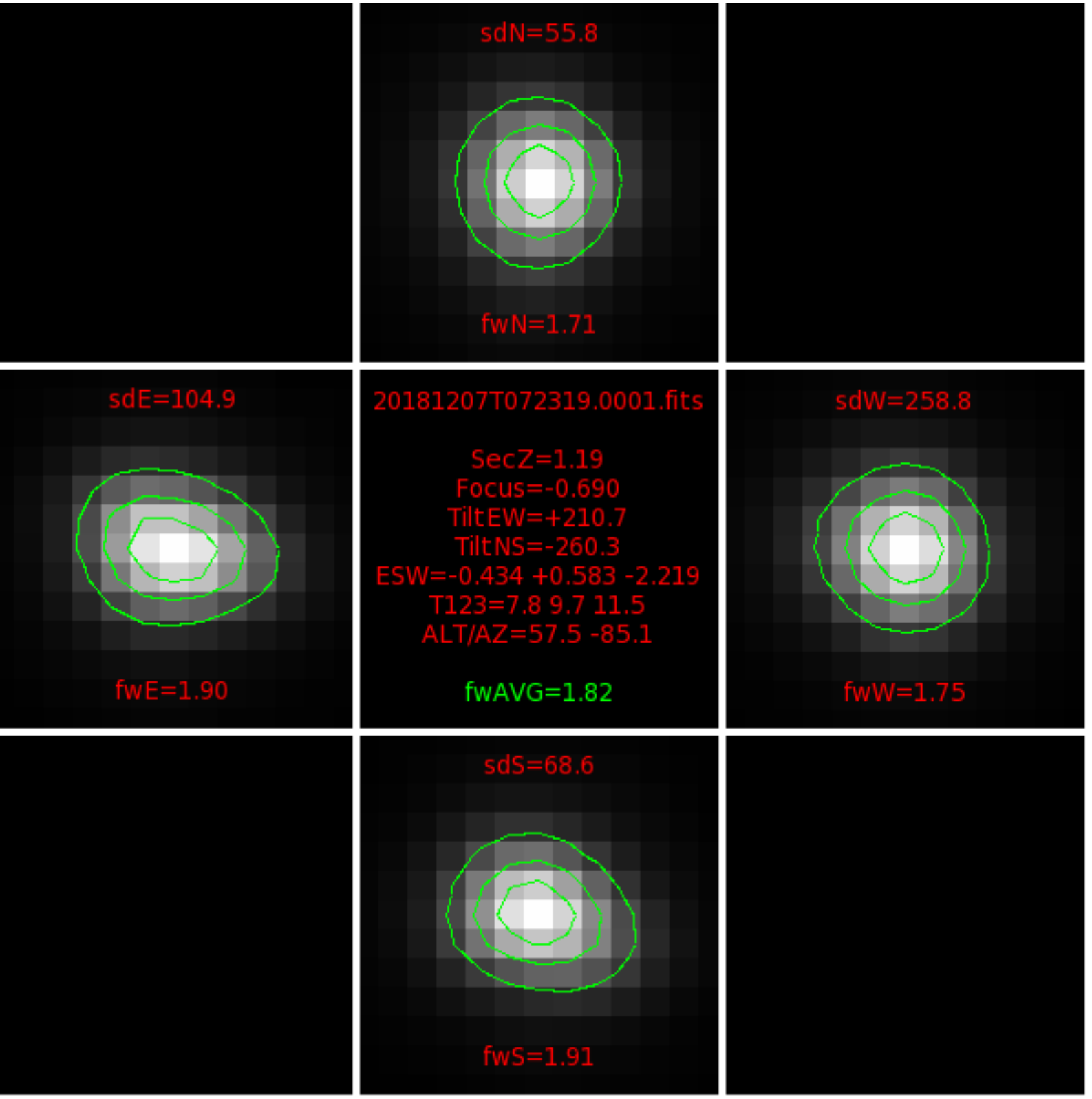

sdN=62.0
fwN=1.76
sdE=95.0
fwE=2.01
20181207T072156.0001.fits
SecZ=1.18
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.8 11.5
ALT/AZ=57.8 -85.2
fwAVG=1.90
sdW=255.0
fwW=1.89
sdS=62.9
fwS=1.96
0 0 0 0 0 0 0 0 0


sdN=55.8
fwN=1.71
sdE=104.9
fwE=1.90
20181207T072319.0001.fits
SecZ=1.19
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.7 11.5
ALT/AZ=57.5 -85.1
fwAVG=1.82
sdW=258.8
fwW=1.75
sdS=68.6
fwS=1.91
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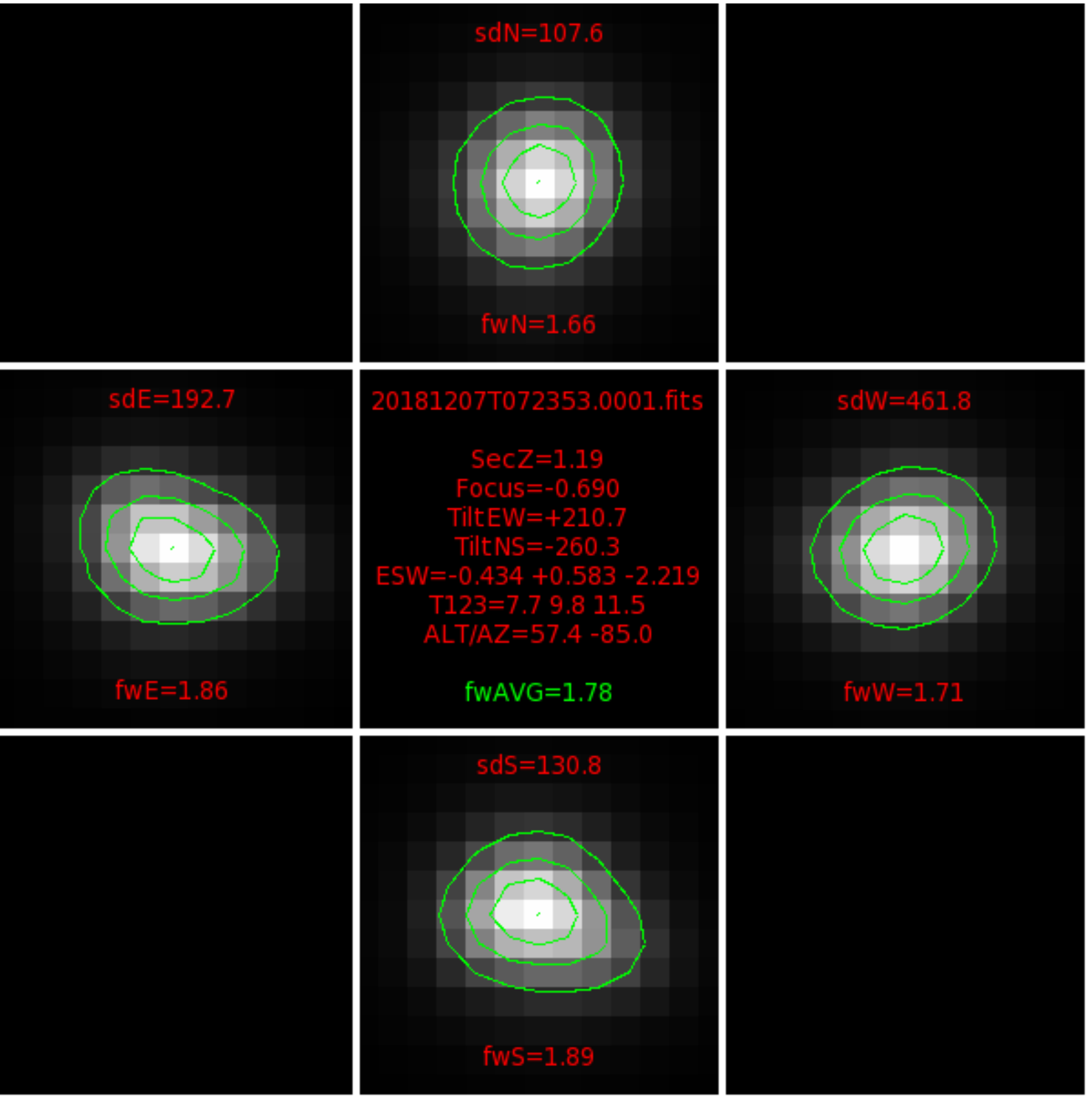
sdN=107.6
fwN=1.66
sdE=192.7
fwE=1.86
20181207T072353.0001.fits
SecZ=1.19
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.8 11.5
ALT/AZ=57.4 -85.0
fwAVG=1.78
sdW=461.8
fwW=1.71
sdS=130.8
fwS=1.89
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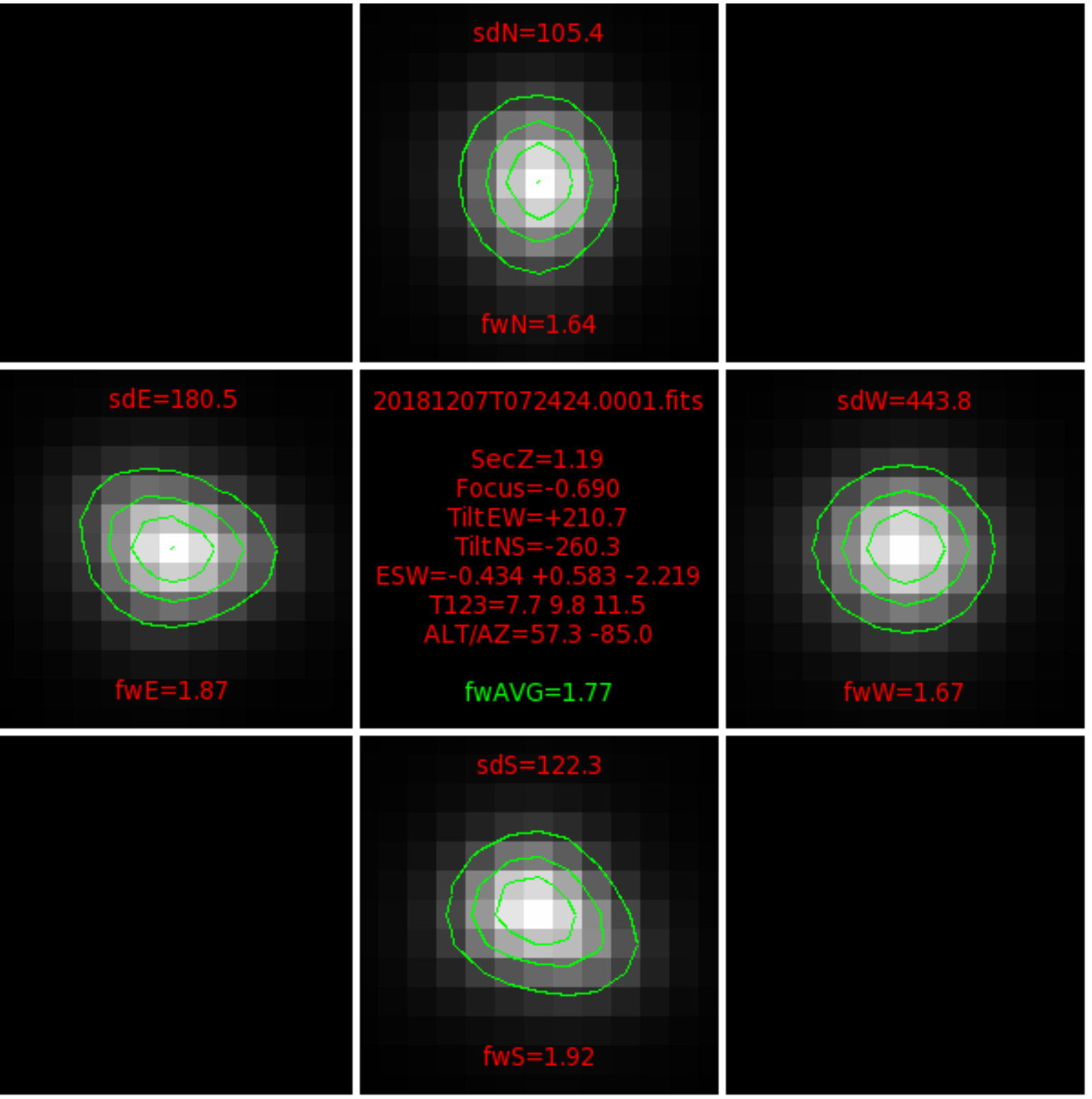
sdN=105.4
fwN=1.64
sdE=180.5
fwE=1.87
20181207T072424.0001.fits
SecZ=1.19
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.8 11.5
ALT/AZ=57.3 -85.0
fwAVG=1.77
sdW=443.8
fwW=1.67
sdS=122.3
fwS=1.92
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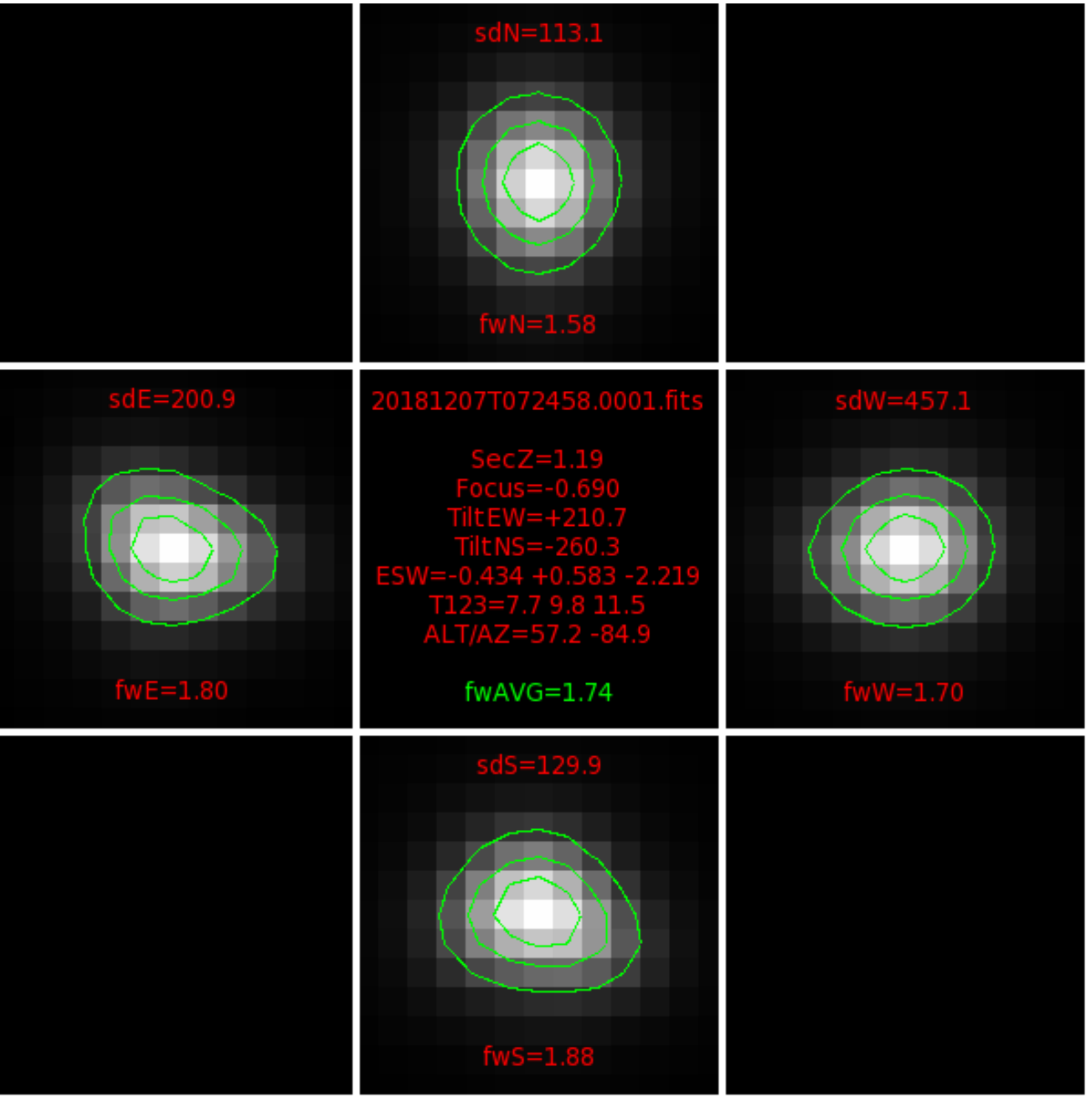
sdN=113.1
fwN=1.58
sdE=200.9
fwE=1.80
20181207T072458.0001.fits
SecZ=1.19
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.8 11.5
ALT/AZ=57.2 -84.9
fwAVG=1.74
sdW=457.1
fwW=1.70
sdS=129.9
fwS=1.88
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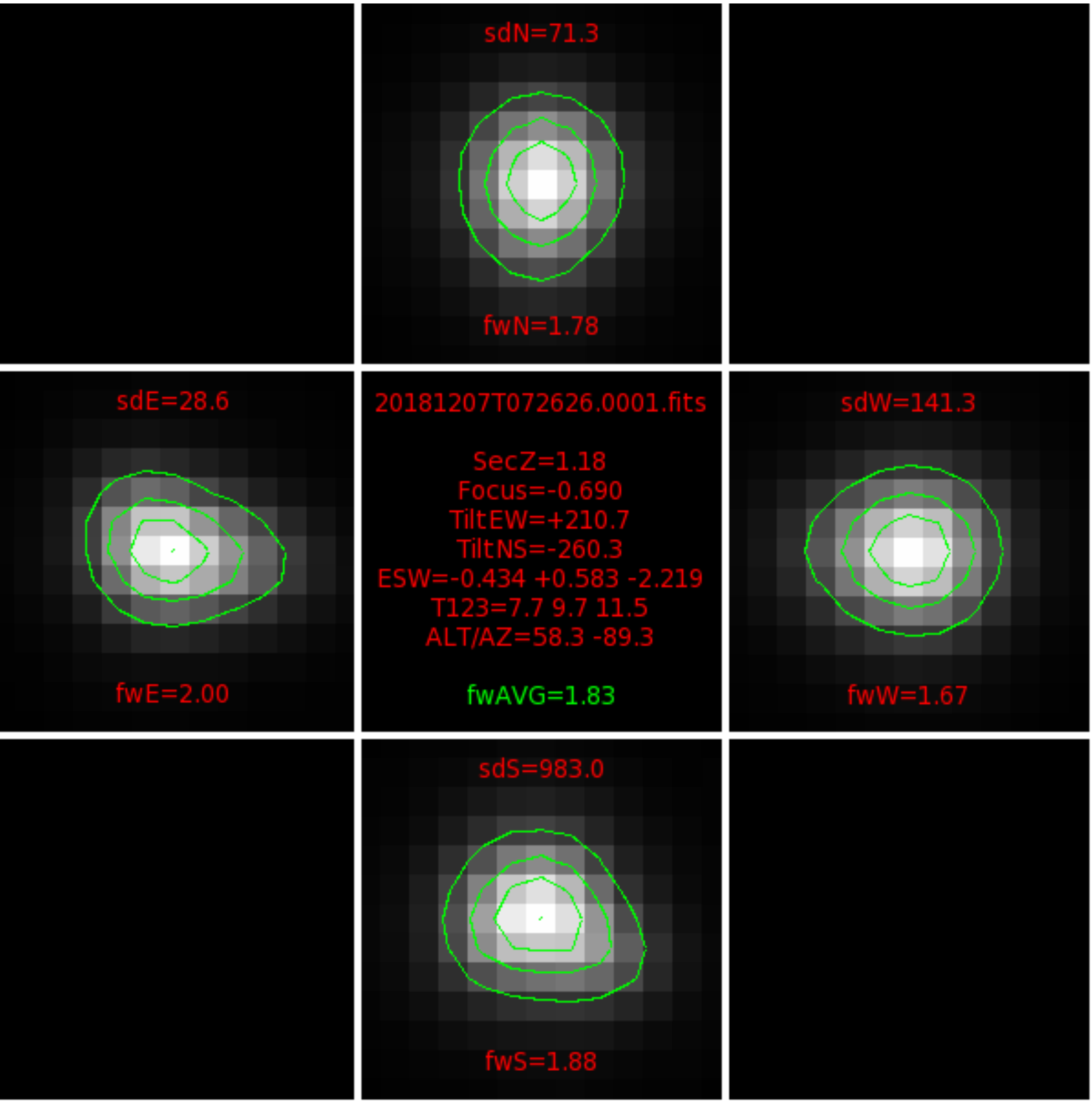
sdN=71.3
fwN=1.78
sdE=28.6
fwE=2.00
20181207T072626.0001.fits
SecZ=1.18
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.7 11.5
ALT/AZ=58.3 -89.3
fwAVG=1.83
sdW=141.3
fwW=1.67
sdS=983.0
fwS=1.88
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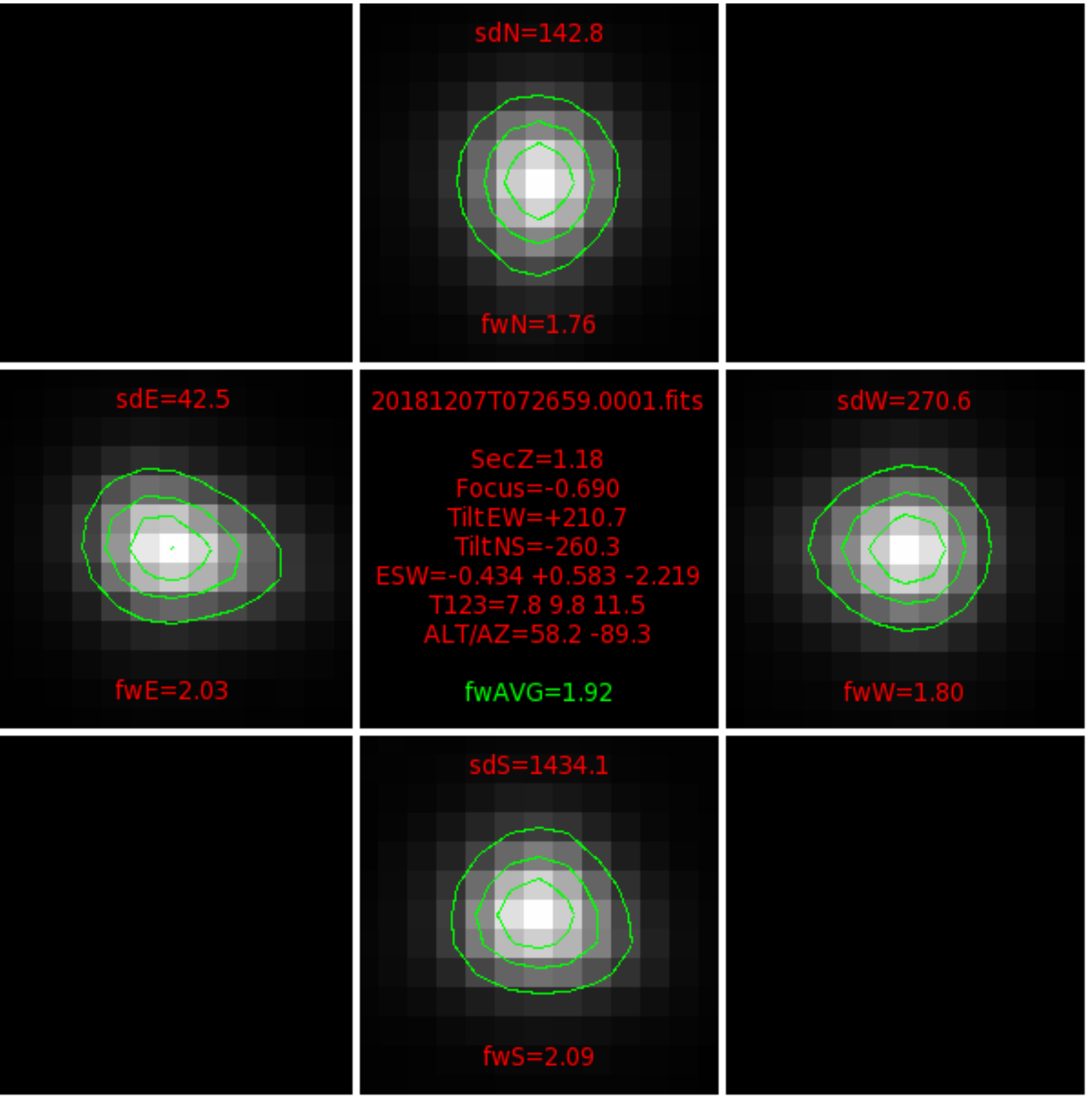
sdN=142.8
fwN=1.76
sdE=42.5
fwE=2.03
20181207T072659.0001.fits
SecZ=1.18
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.8 11.5
ALT/AZ=58.2 -89.3
fwAVG=1.92
sdW=270.6
fwW=1.80
sdS=1434.1
fwS=2.09
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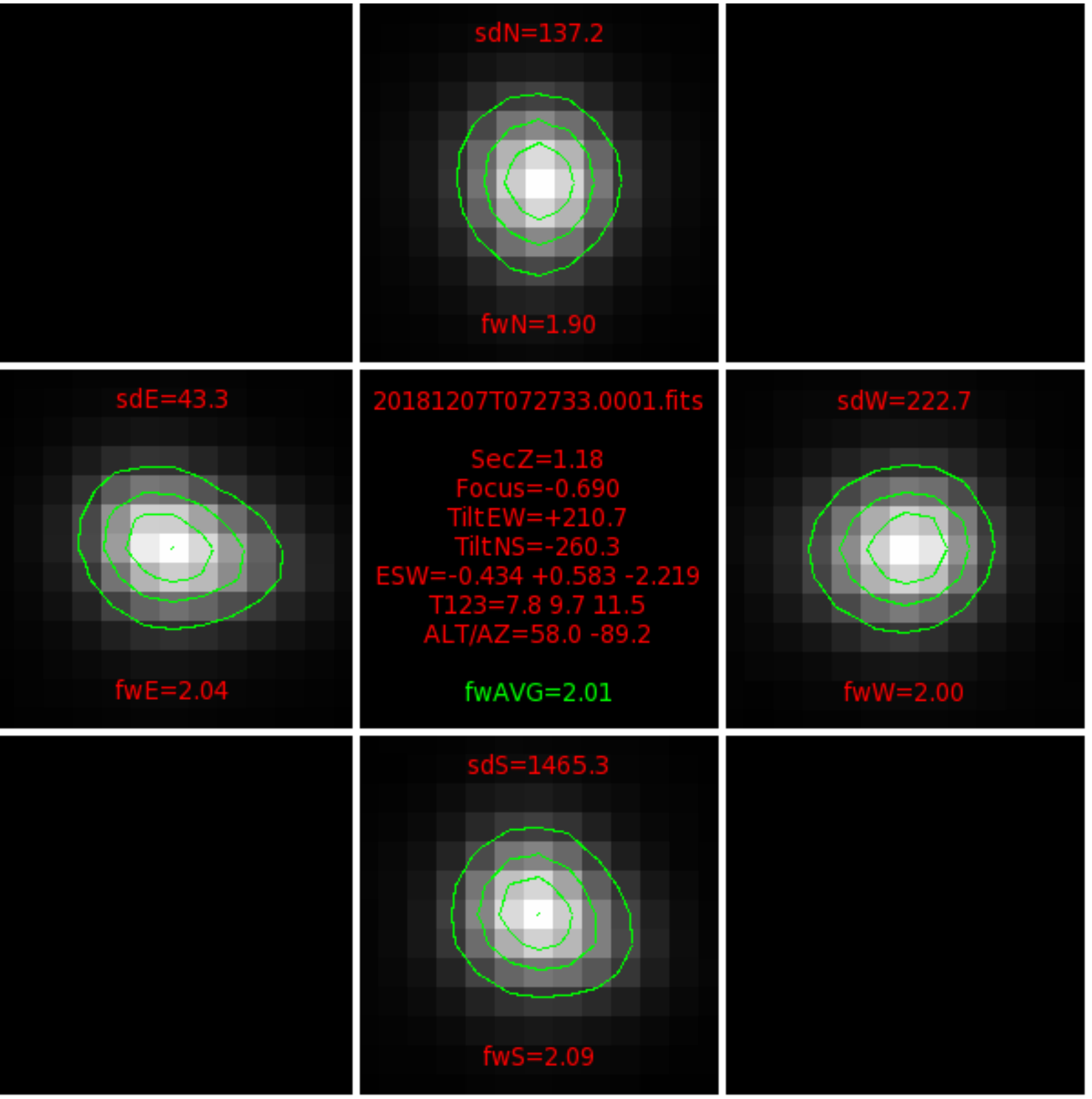
sdN=137.2
fwN=1.90
sdE=43.3
fwE=2.04
20181207T072733.0001.fits
SecZ=1.18
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.7 11.5
ALT/AZ=58.0 -89.2
fwAVG=2.01
sdW=222.7
fwW=2.00
sdS=1465.3
fwS=2.09
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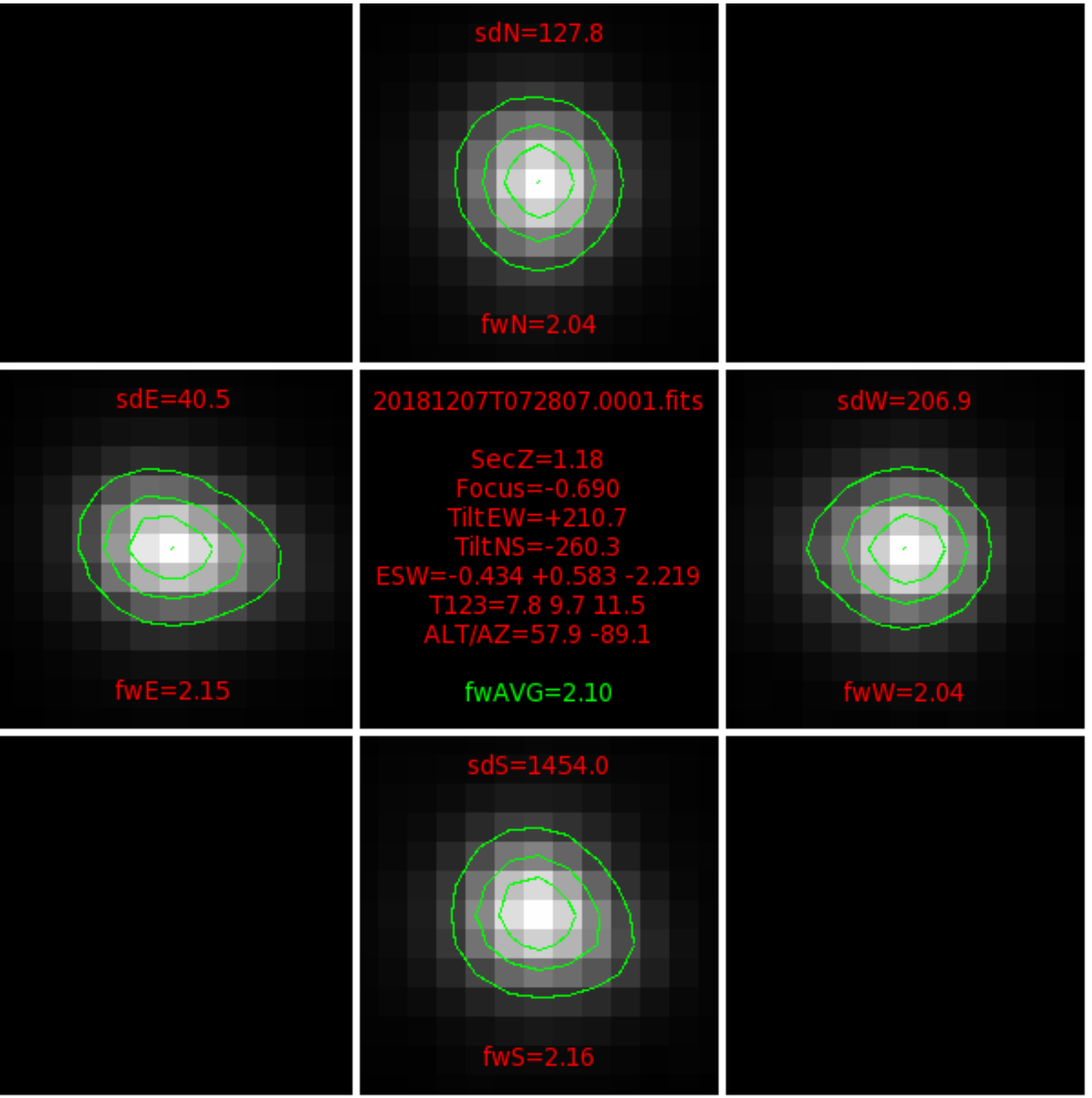
sdN=127.8
fwN=2.04
sdE=40.5
fwE=2.15
20181207T072807.0001.fits
SecZ=1.18
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.7 11.5
ALT/AZ=57.9 -89.1
fwAVG=2.10
sdW=206.9
fwW=2.04
sdS=1454.0
fwS=2.16
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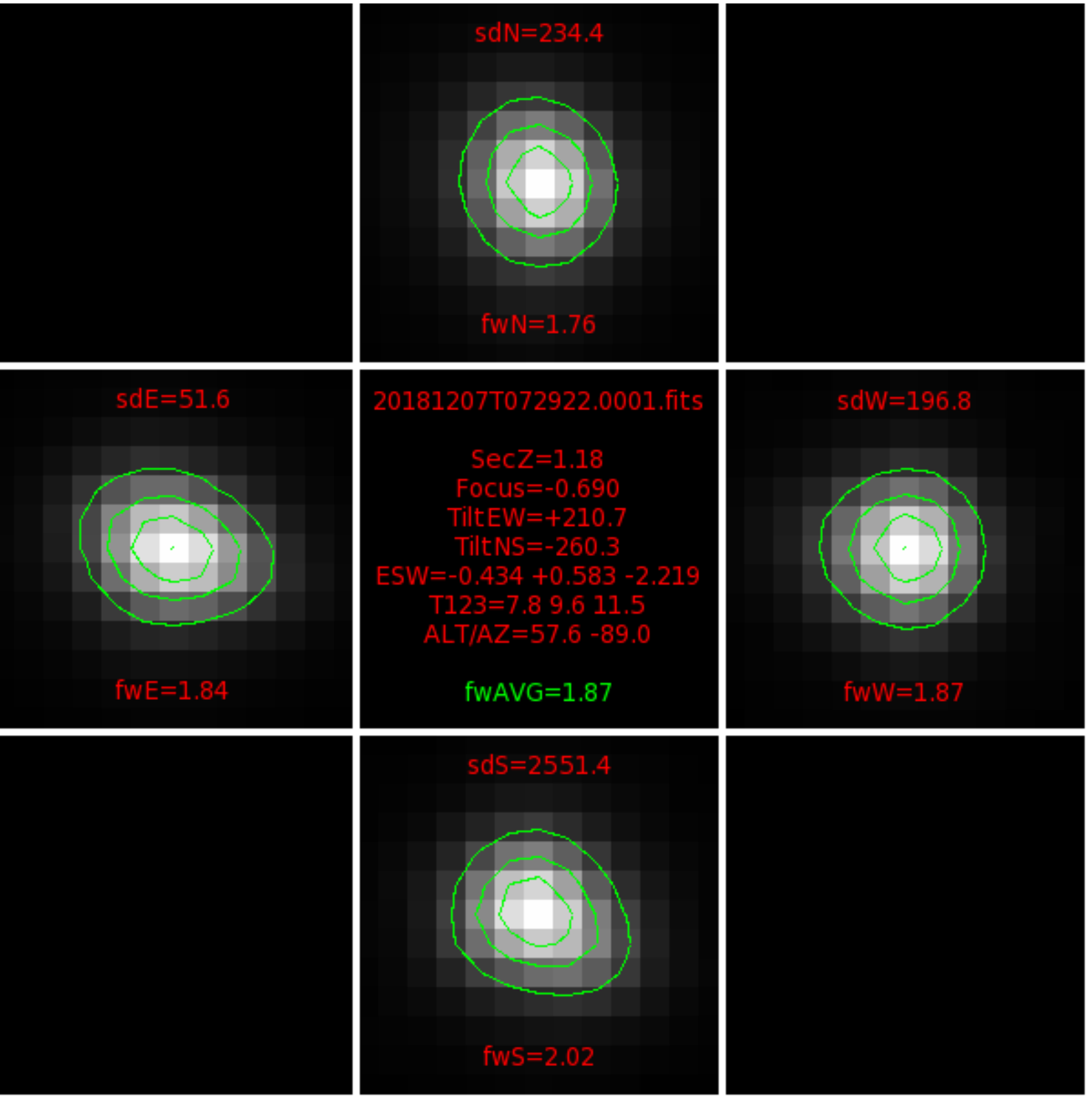
sdN=234.4
fwN=1.76
sdE=51.6
fwE=1.84
20181207T072922.0001.fits
SecZ=1.18
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.6 11.5
ALT/AZ=57.6 -89.0
fwAVG=1.87
sdW=196.8
fwW=1.87
sdS=2551.4
fwS=2.02
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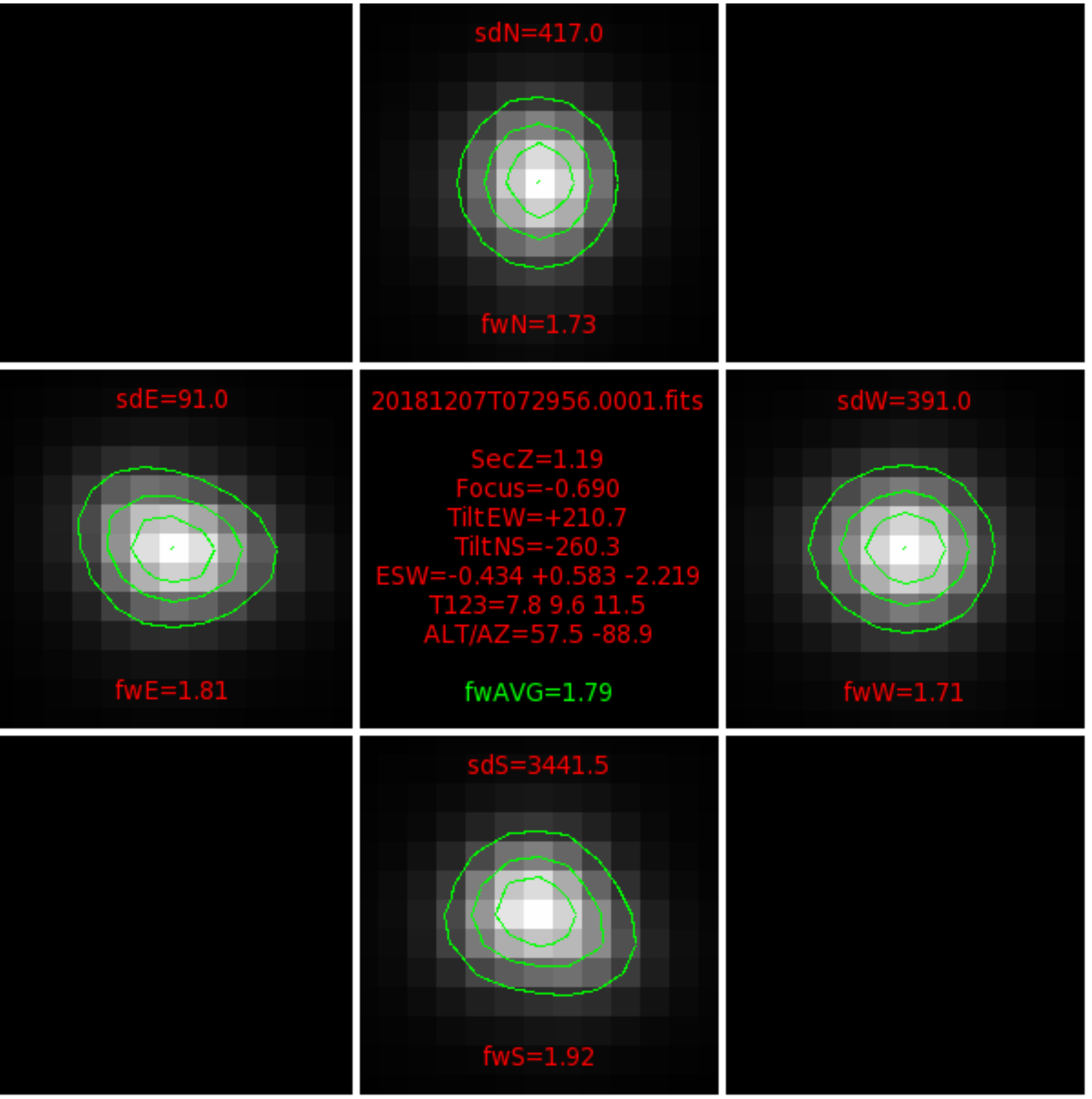
sdN=417.0
fwN=1.73
sdE=91.0
fwE=1.81
20181207T072956.0001.fits
SecZ=1.19
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.6 11.5
ALT/AZ=57.5 -88.9
fwAVG=1.79
sdW=391.0
fwW=1.71
sdS=3441.5
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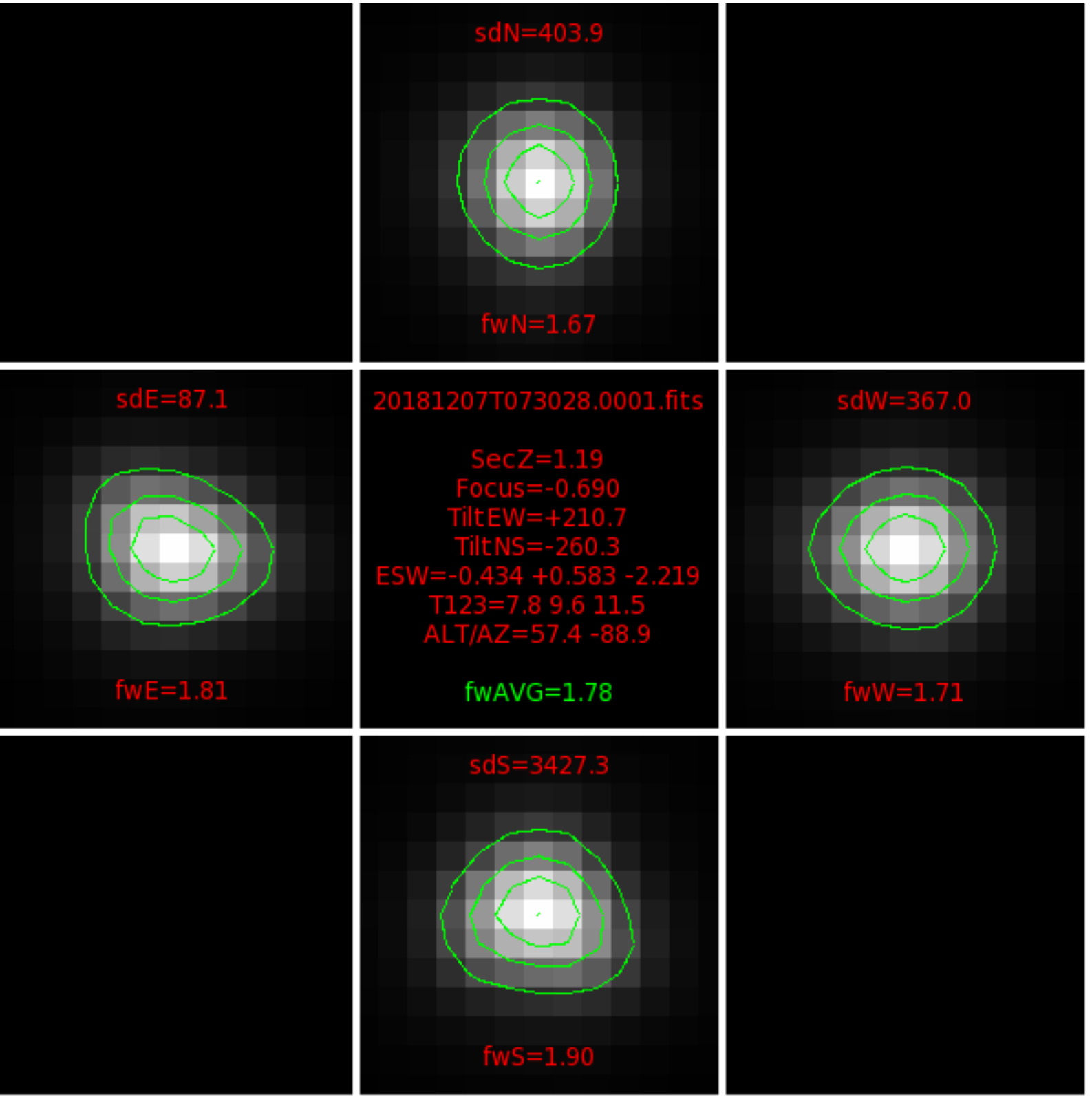
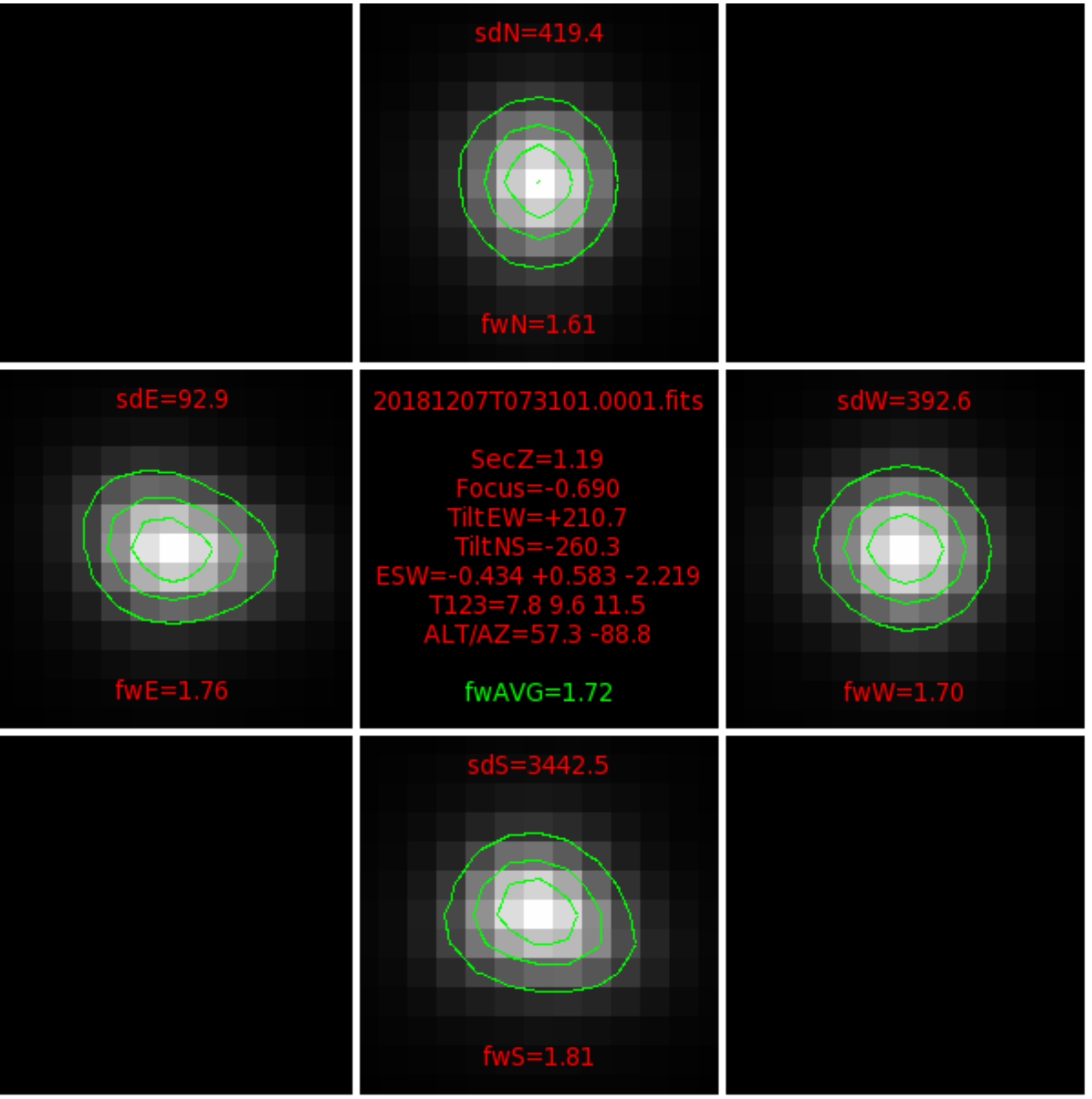

sdN=403.9
fwN=1.67
sdE=87.1
fwE=1.81
20181207T073028.0001.fits
SecZ=1.19
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.6 11.5
ALT/AZ=57.4 -88.9
fwAVG=1.78
sdW=367.0
fwW=1.71
sdS=3427.3
fwS=1.90
0 0 0 0 0 0 0 0 0


sdN=419.4
fwN=1.61
sdE=92.9
fwE=1.76
20181207T073101.0001.fits
SecZ=1.19
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.6 11.5
ALT/AZ=57.3 -88.8
fwAVG=1.72
sdW=392.6
fwW=1.70
sdS=3442.5
fwS=1.81
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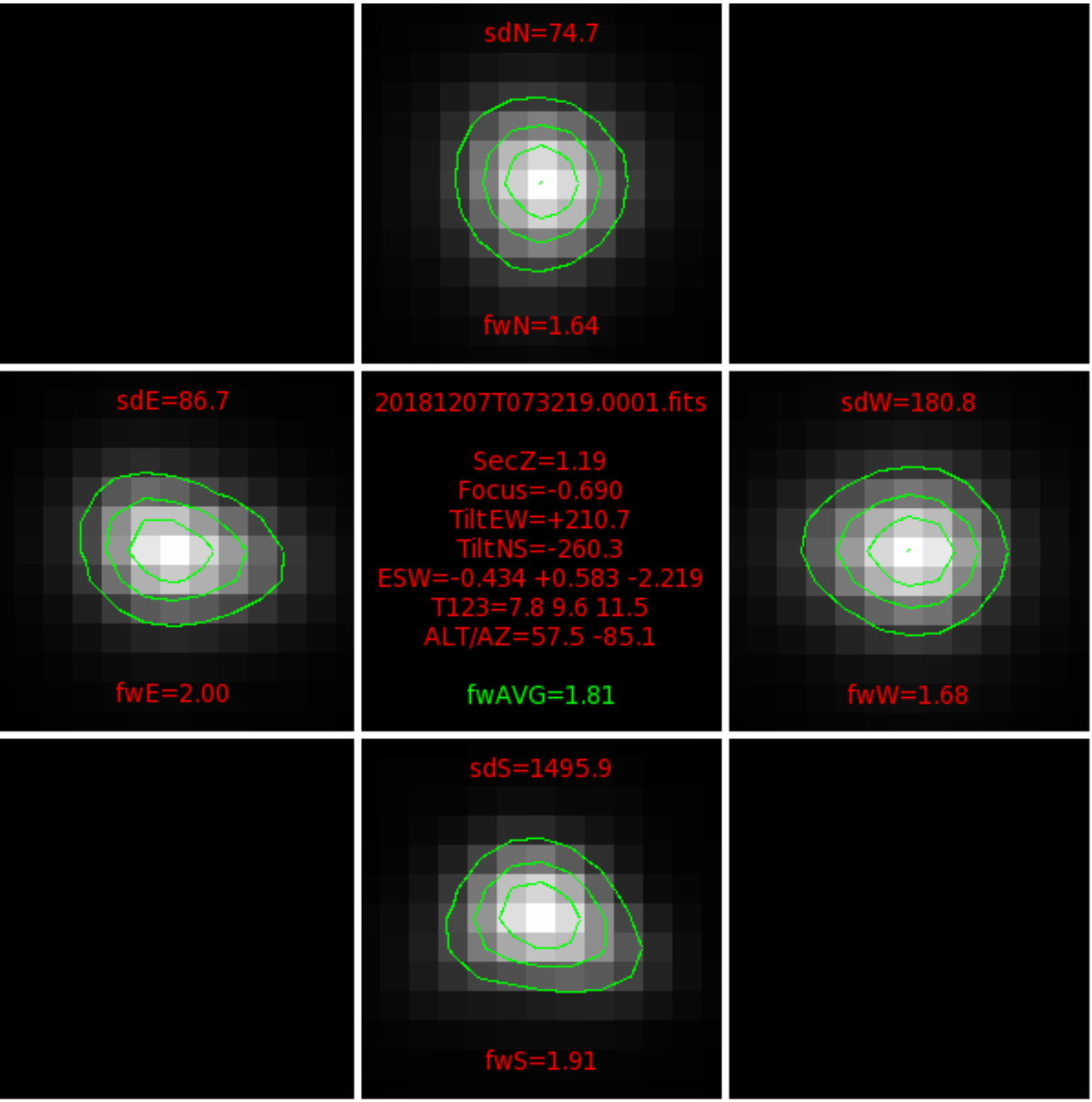
sdN=74.7
fwN=1.64
sdE=86.7
fwE=2.00
20181207T073219.0001.fits
SecZ=1.19
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.6 11.5
ALT/AZ=57.5 -85.1
fwAVG=1.81
sdW=180.8
fwW=1.68
sdS=1495.9
fwS=1.91
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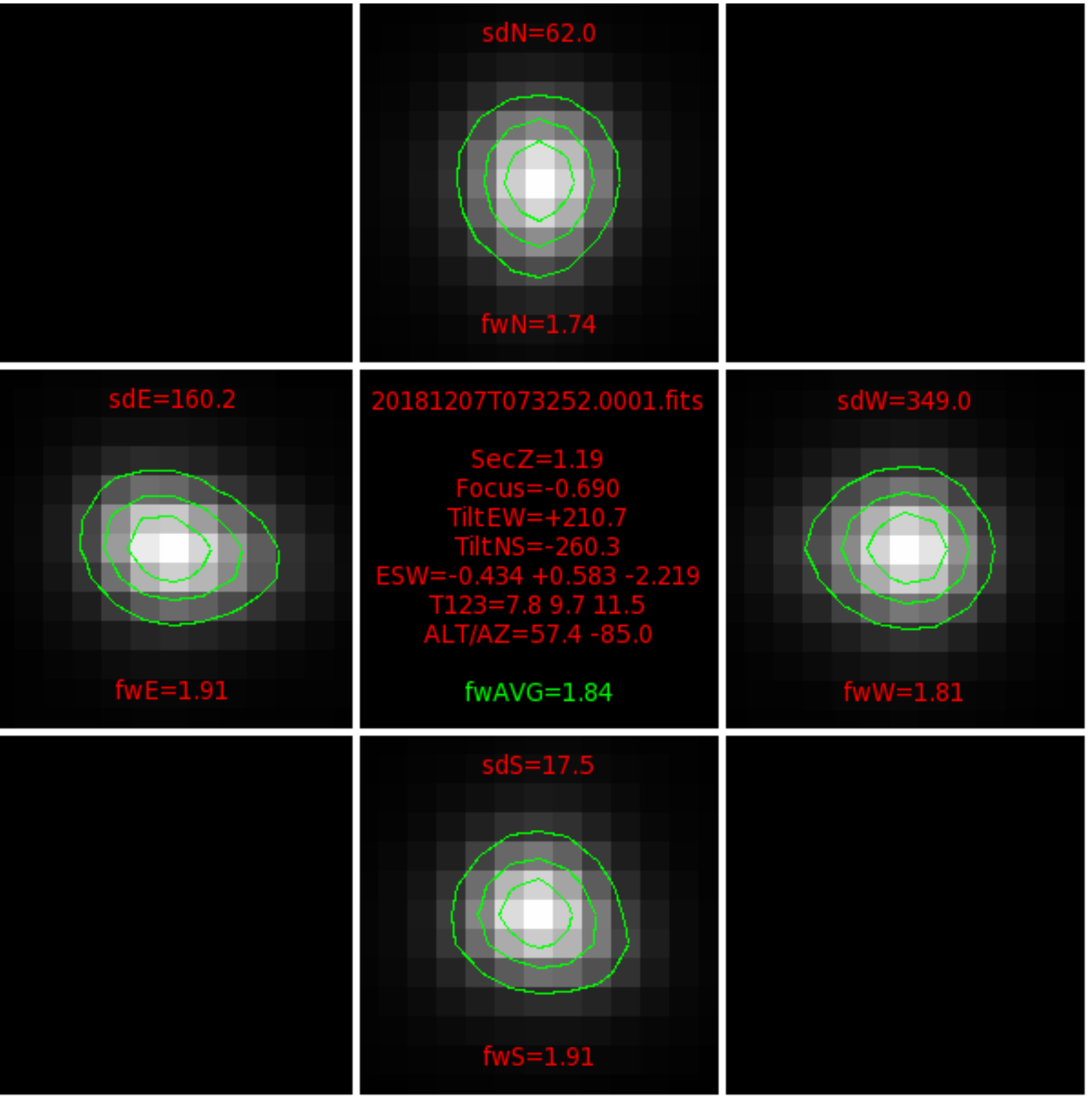
sdN=62.0
fwN=1.74
sdE=160.2
fwE=1.91
20181207T073252.0001.fits
SecZ=1.19
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.7 11.5
ALT/AZ=57.4 -85.0
fwAVG=1.84
sdW=349.0
fwW=1.81
sdS=17.5
fwS=1.91
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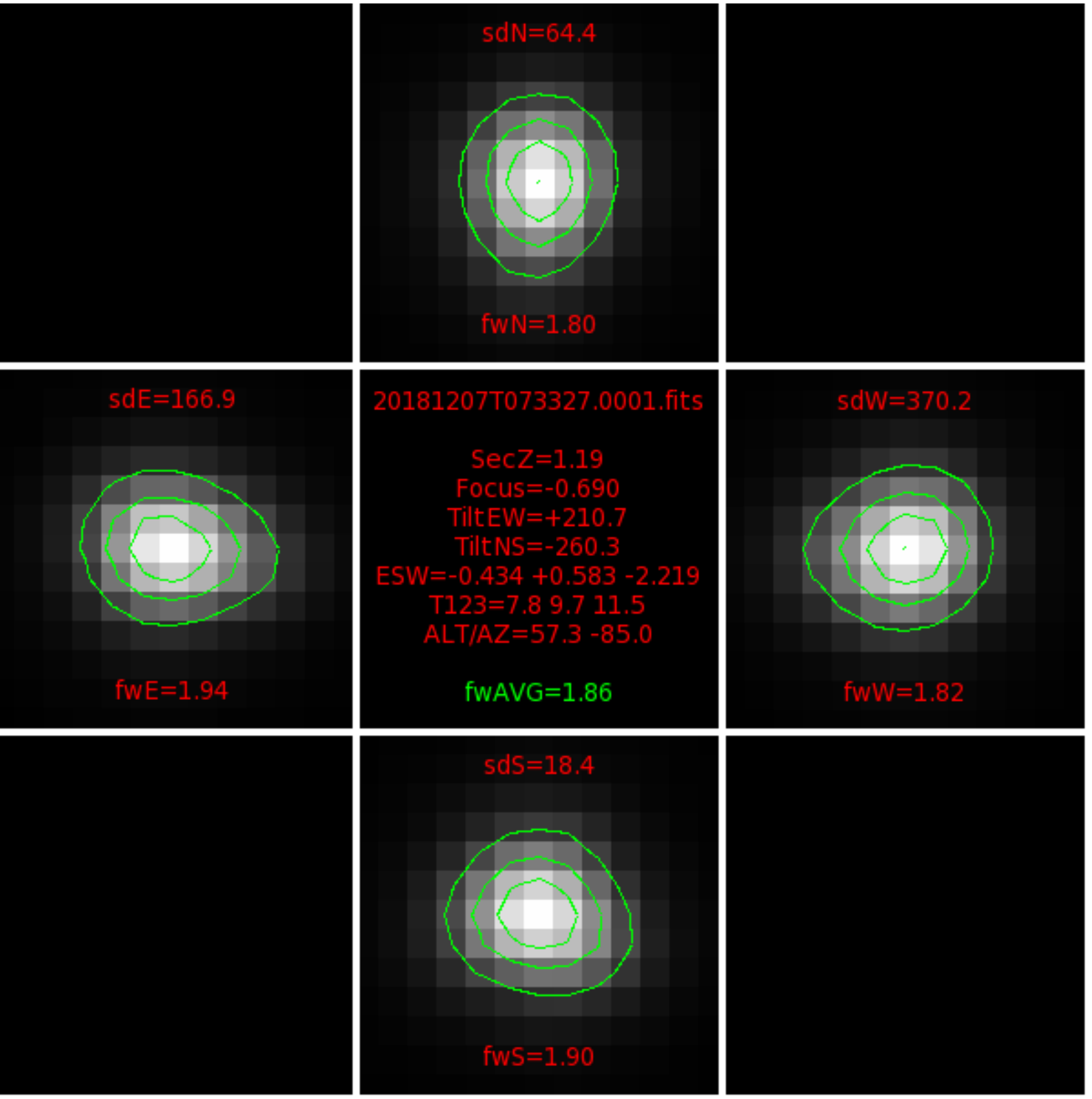
sdN=64.4
fwN=1.80
sdE=166.9
fwE=1.94
20181207T073327.0001.fits
SecZ=1.19
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.7 11.5
ALT/AZ=57.3 -85.0
fwAVG=1.86
sdW=370.2
fwW=1.82
sdS=18.4
fwS=1.90
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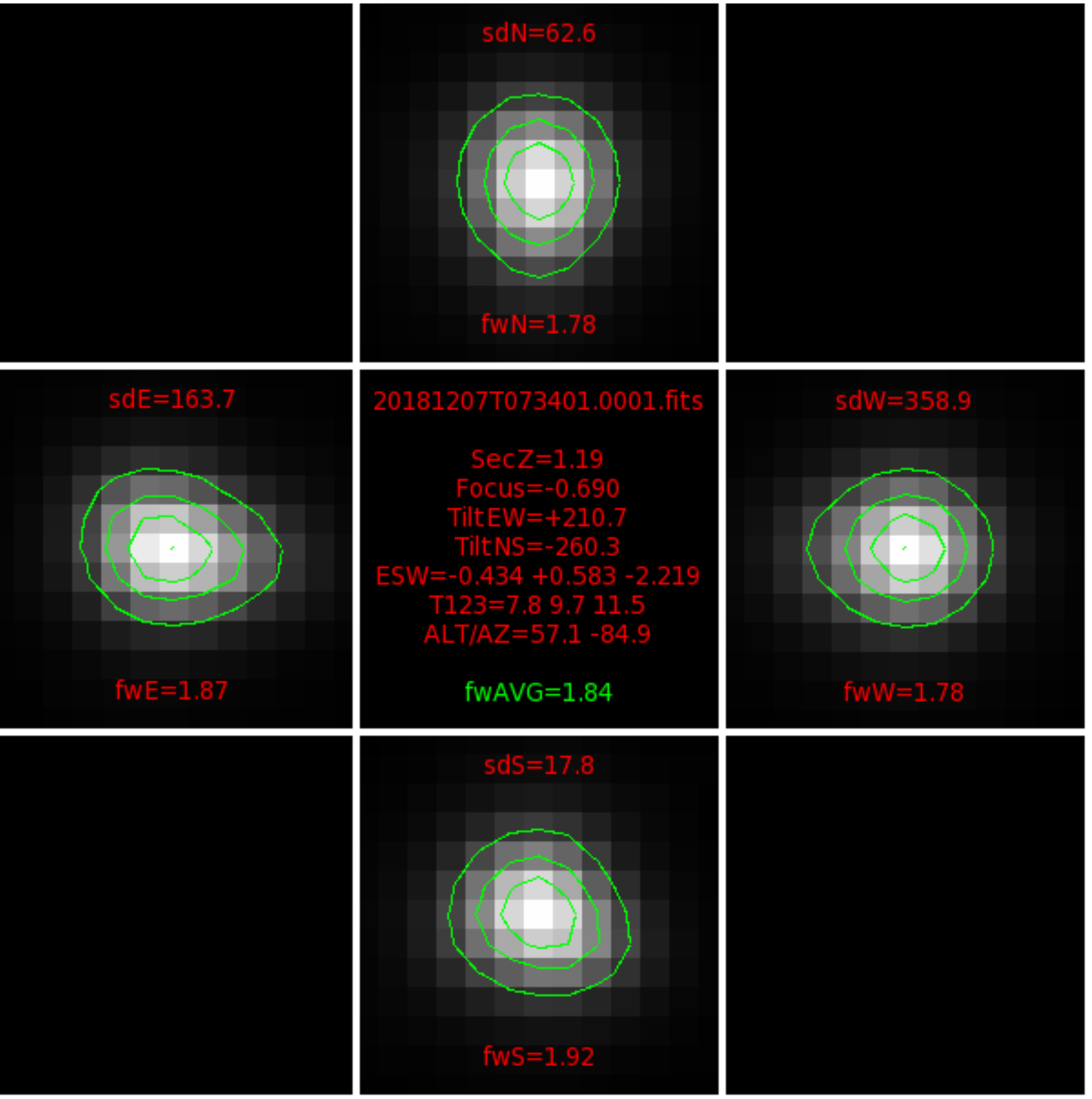
sdN=62.6
fwN=1.78
sdE=163.7
fwE=1.87
20181207T073401.0001.fits
SecZ=1.19
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.7 11.5
ALT/AZ=57.1 -84.9
fwAVG=1.84
sdW=358.9
fwW=1.78
sdS=17.8
fwS=1.92
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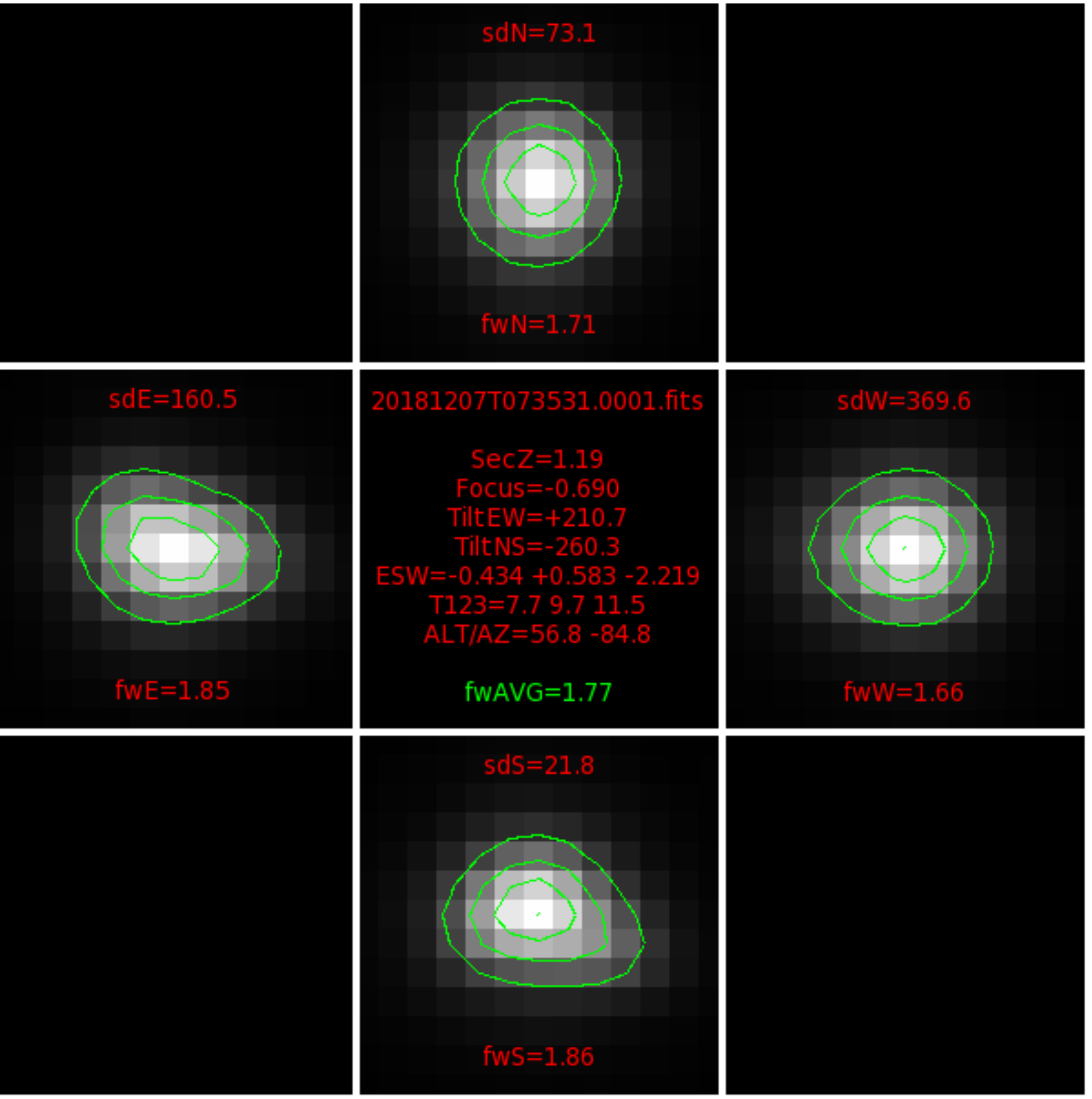
sdN=73.1
fwN=1.71
sdE=160.5
fwE=1.85
20181207T073531.0001.fits
SecZ=1.19
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.7 11.5
ALT/AZ=56.8 -84.8
fwAVG=1.77
sdW=369.6
fwW=1.66
sdS=21.8
fwS=1.86
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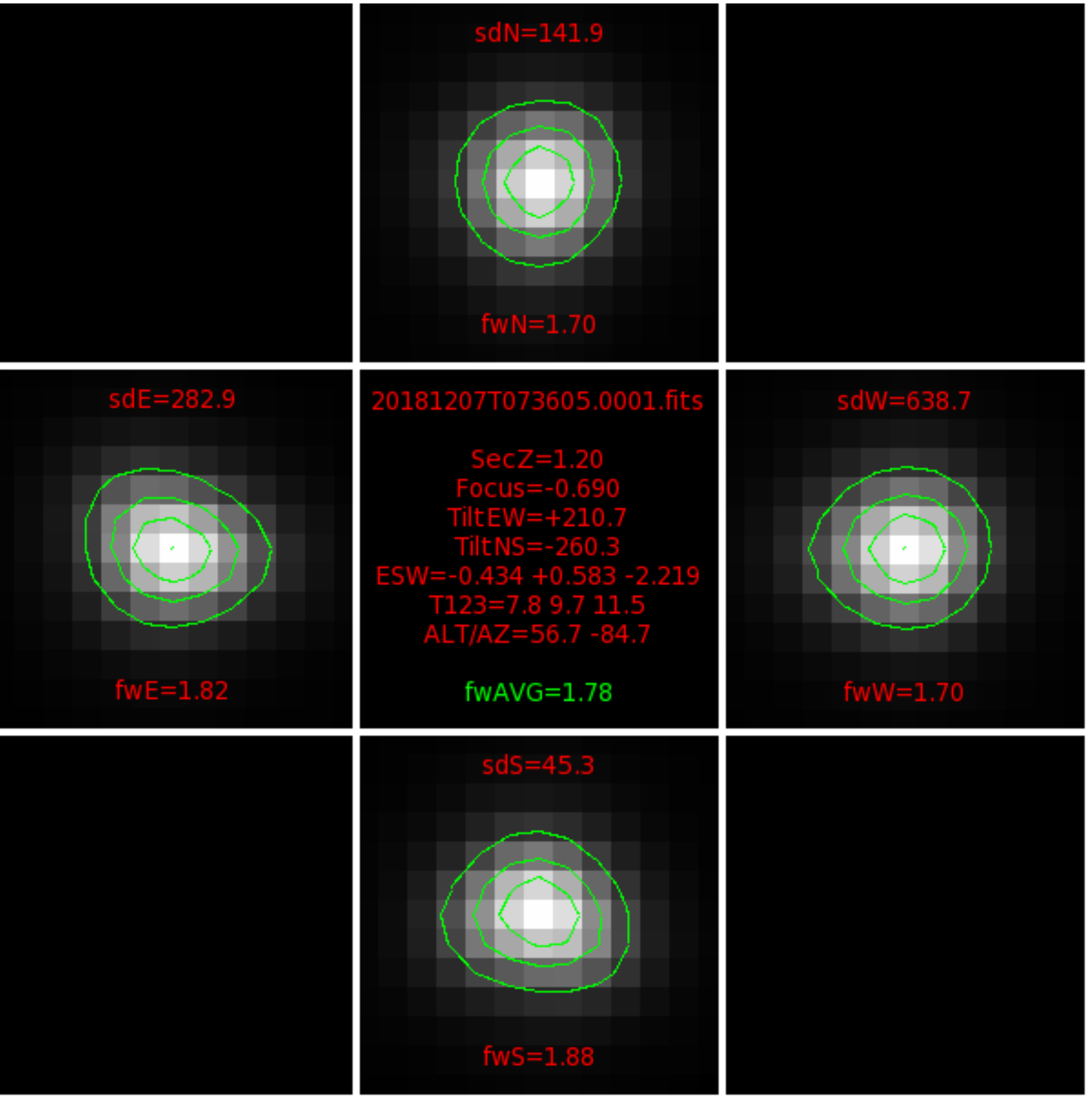
sdN=141.9
fwN=1.70
sdE=282.9
fwE=1.82
20181207T073605.0001.fits
SecZ=1.20
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.7 11.5
ALT/AZ=56.7 -84.7
fwAVG=1.78
sdW=638.7
fwW=1.70
sdS=45.3
fwS=1.88
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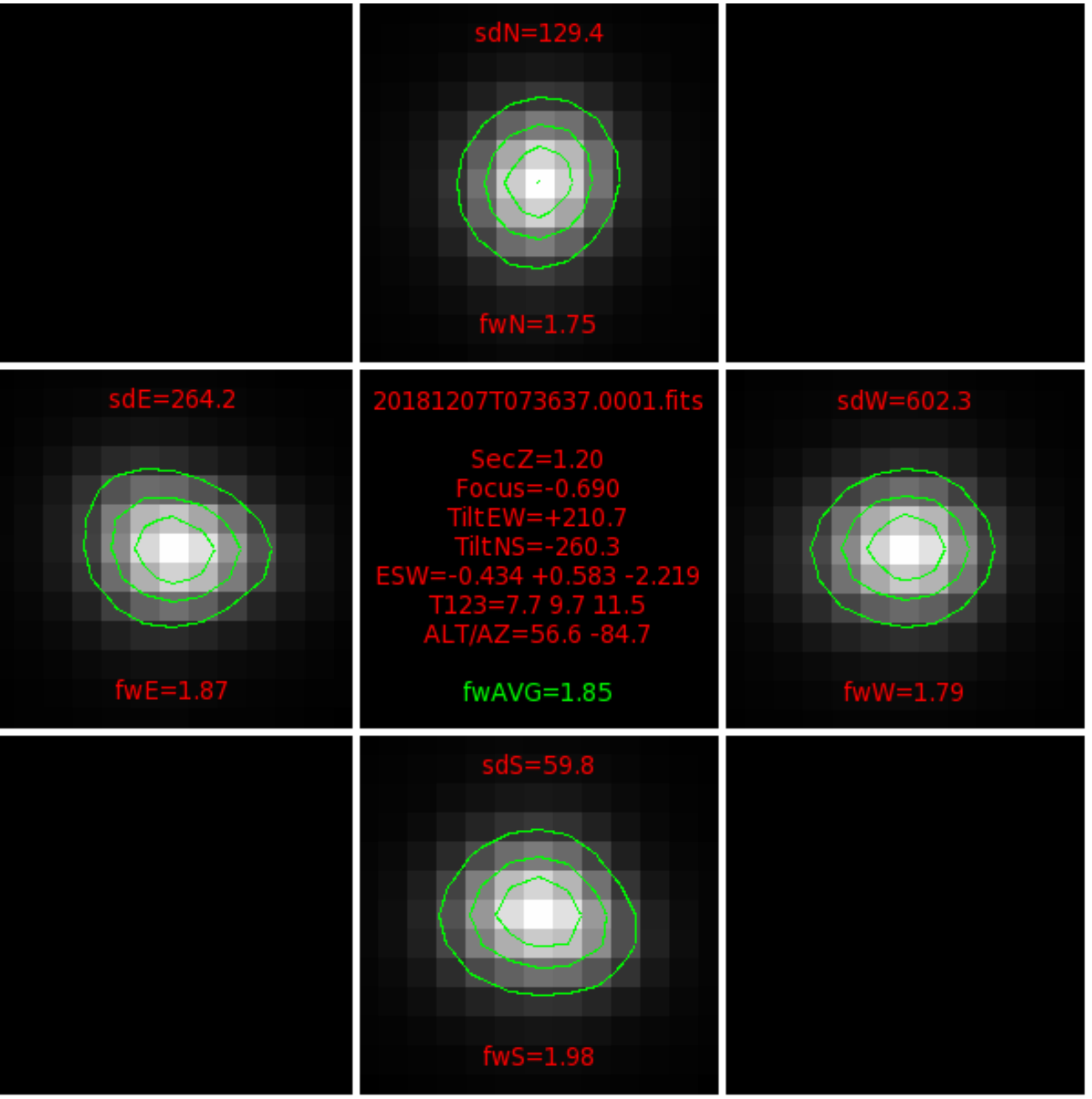
sdN=129.4
fwN=1.75
sdE=264.2
fwE=1.87
20181207T073637.0001.fits
SecZ=1.20
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.7 11.5
ALT/AZ=56.6 -84.7
fwAVG=1.85
sdW=602.3
fwW=1.79
sdS=59.8
fwS=1.98
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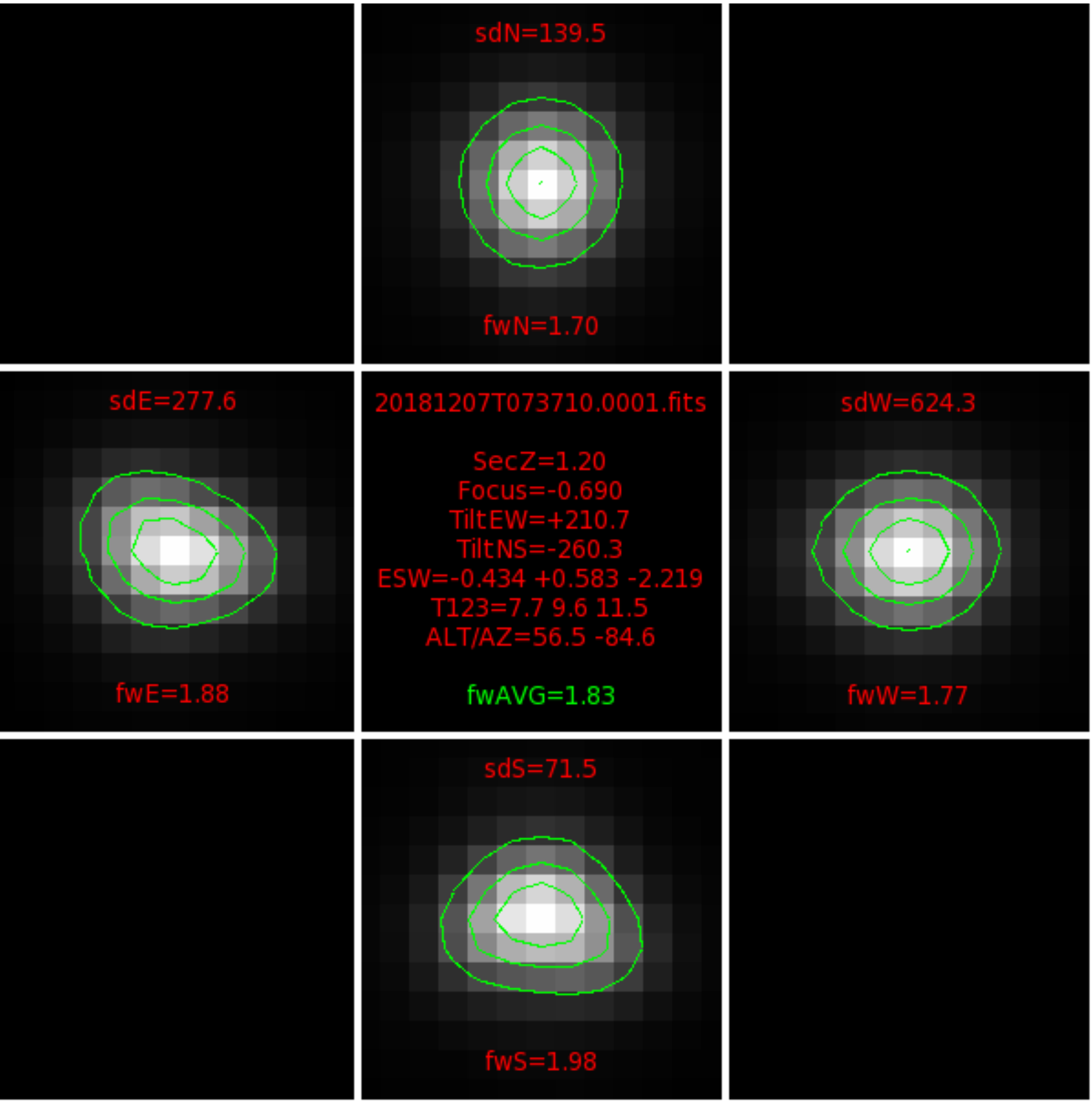
sdN=139.5
fwN=1.70
sdE=277.6
fwE=1.88
20181207T073710.0001.fits
SecZ=1.20
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.6 11.5
ALT/AZ=56.5 -84.6
fwAVG=1.83
sdW=624.3
fwW=1.77
sdS=71.5
fwS=1.98
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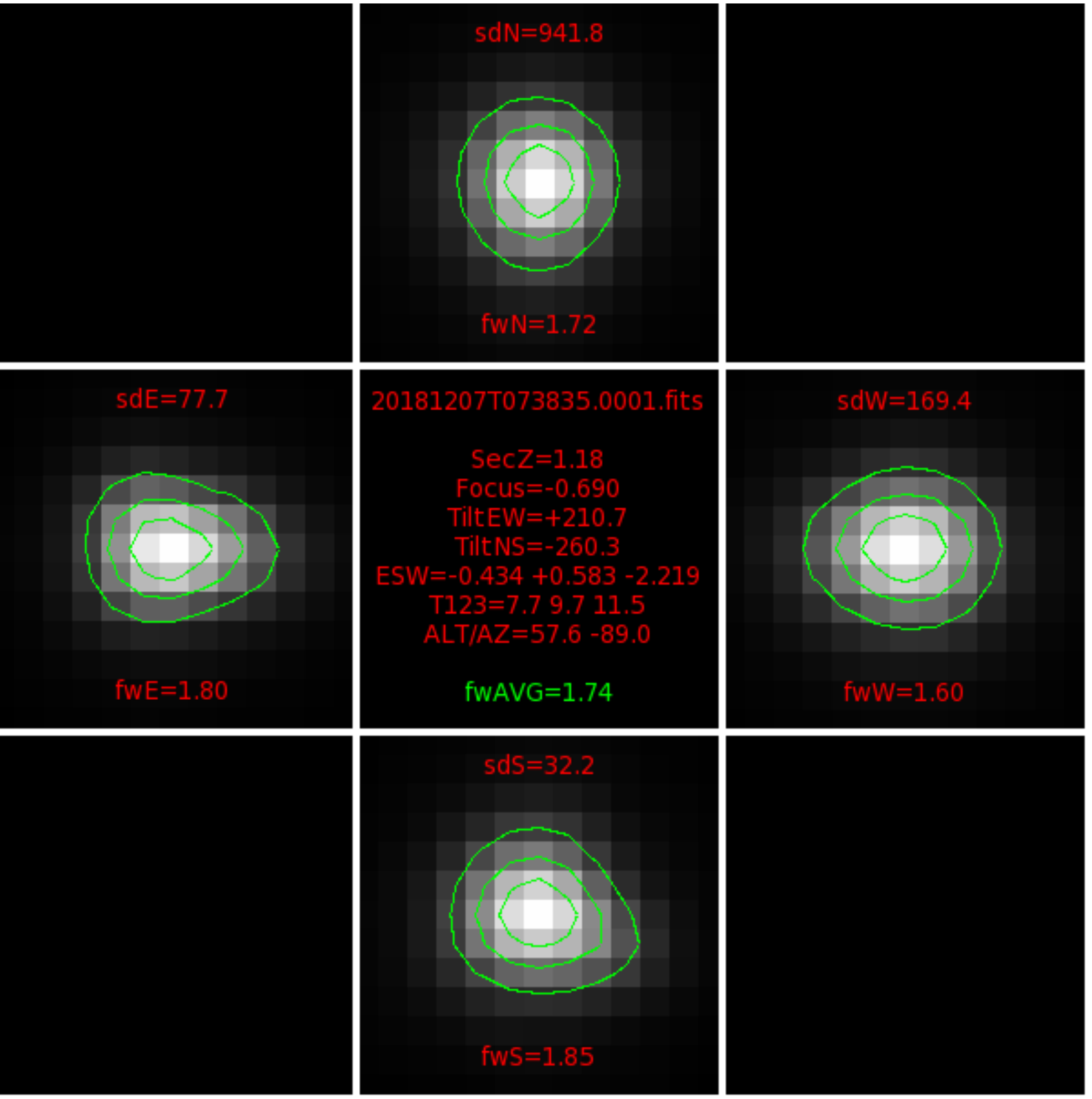
sdN=941.8
fwN=1.72
sdE=77.7
fwE=1.80
20181207T073835.0001.fits
SecZ=1.18
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.7 11.5
ALT/AZ=57.6 -89.0
fwAVG=1.74
sdW=169.4
fwW=1.60
sdS=32.2
fwS=1.85
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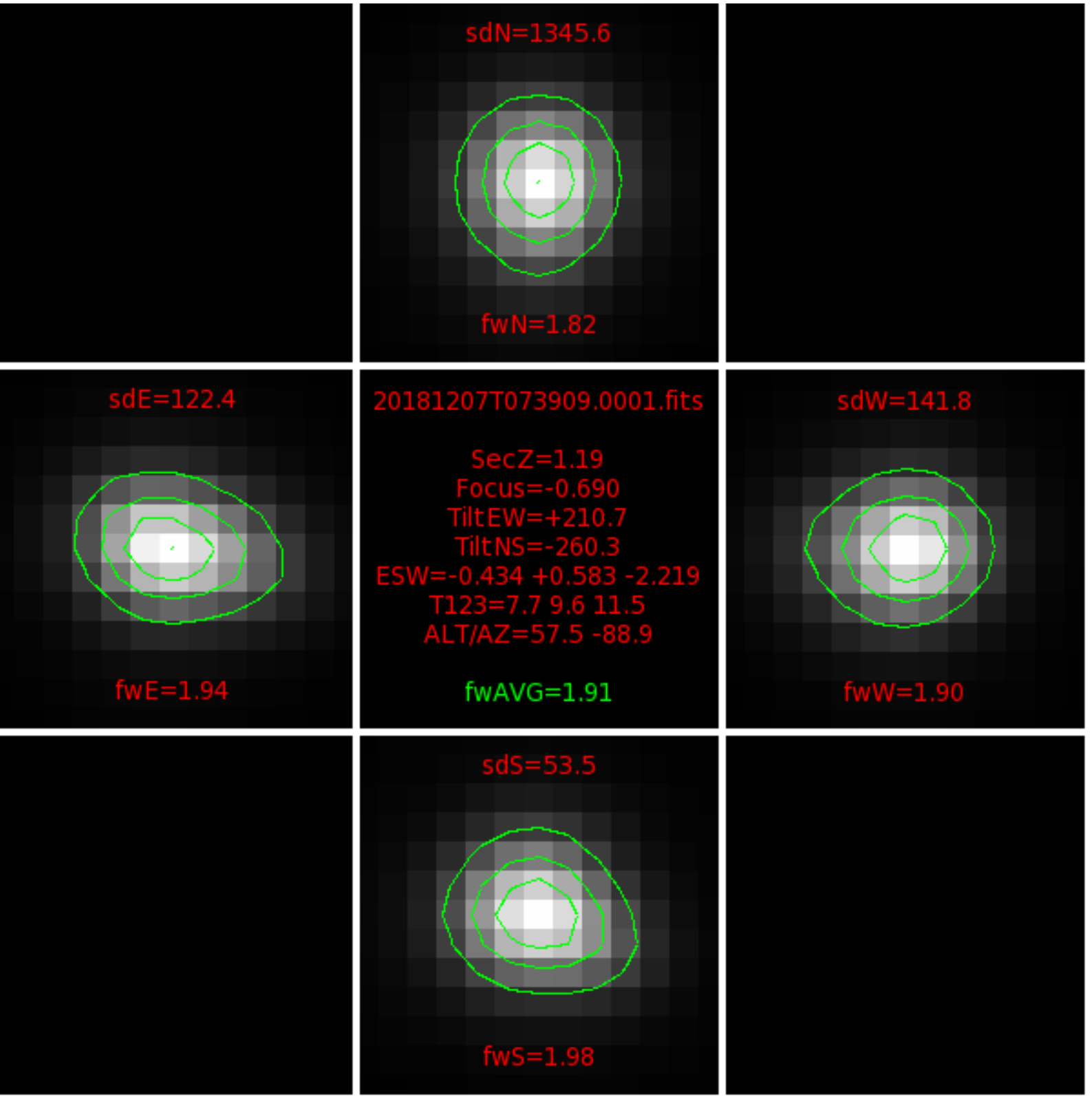
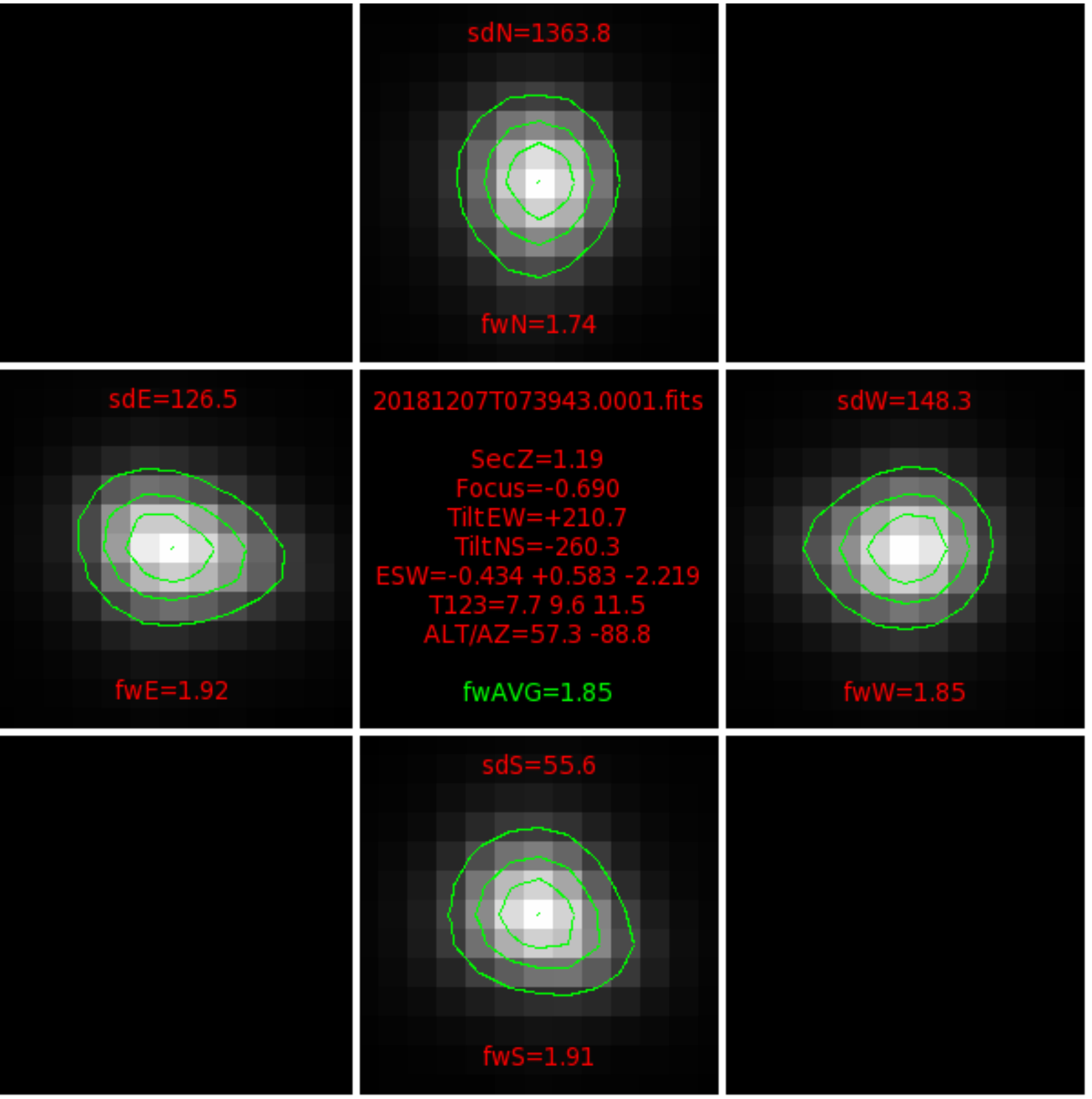

sdN=1345.6
fwN=1.82
sdE=122.4
fwE=1.94
20181207T073909.0001.fits
SecZ=1.19
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.6 11.5
ALT/AZ=57.5 -88.9
fwAVG=1.91
sdW=141.8
fwW=1.90
sdS=53.5
fwS=1.98
0 0 0 0 0 0 0 0 0


sdN=1363.8
fwN=1.74
sdE=126.5
fwE=1.92
20181207T073943.0001.fits
SecZ=1.19
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.6 11.5
ALT/AZ=57.3 -88.8
fwAVG=1.85
sdW=148.3
fwW=1.85
sdS=55.6
fwS=1.91
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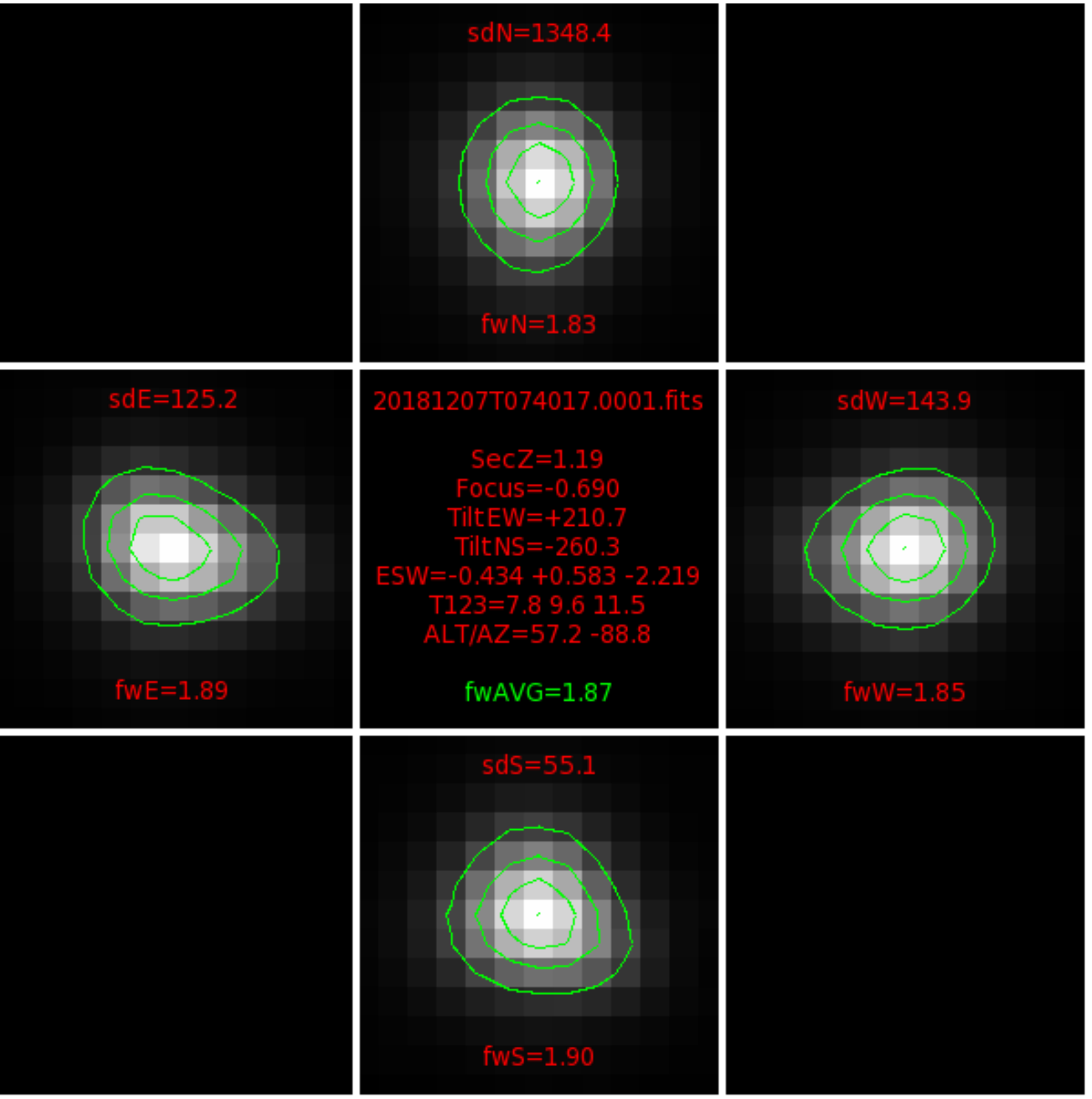
sdN=1348.4
fwN=1.83
sdE=125.2
fwE=1.89
20181207T074017.0001.fits
SecZ=1.19
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.6 11.5
ALT/AZ=57.2 -88.8
fwAVG=1.87
sdW=143.9
fwW=1.85
sdS=55.1
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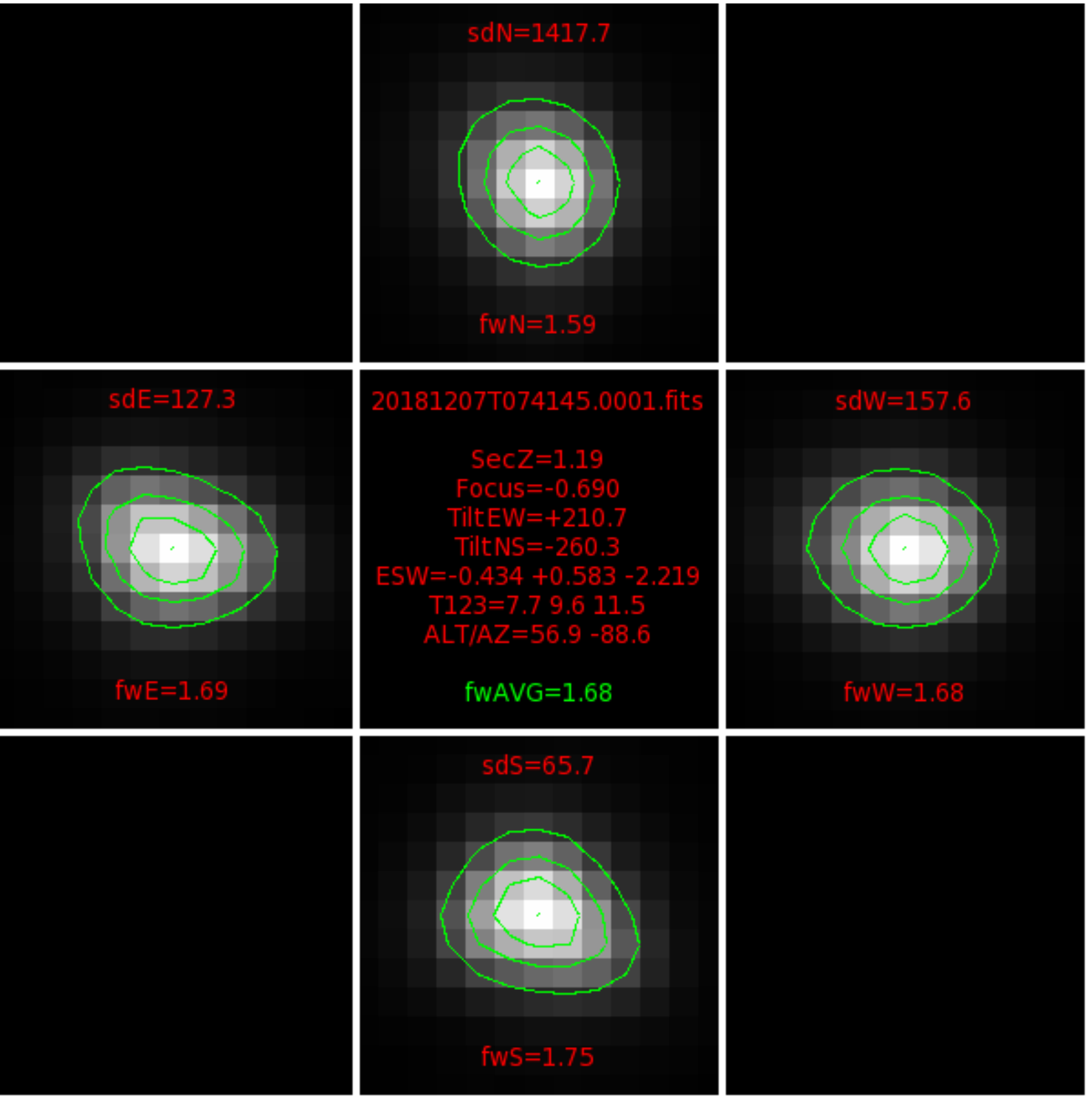
sdN=1417.7
fwN=1.59
sdE=127.3
fwE=1.69
20181207T074145.0001.fits
SecZ=1.19
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.6 11.5
ALT/AZ=56.9 -88.6
fwAVG=1.68
sdW=157.6
fwW=1.68
sdS=65.7
fwS=1.75
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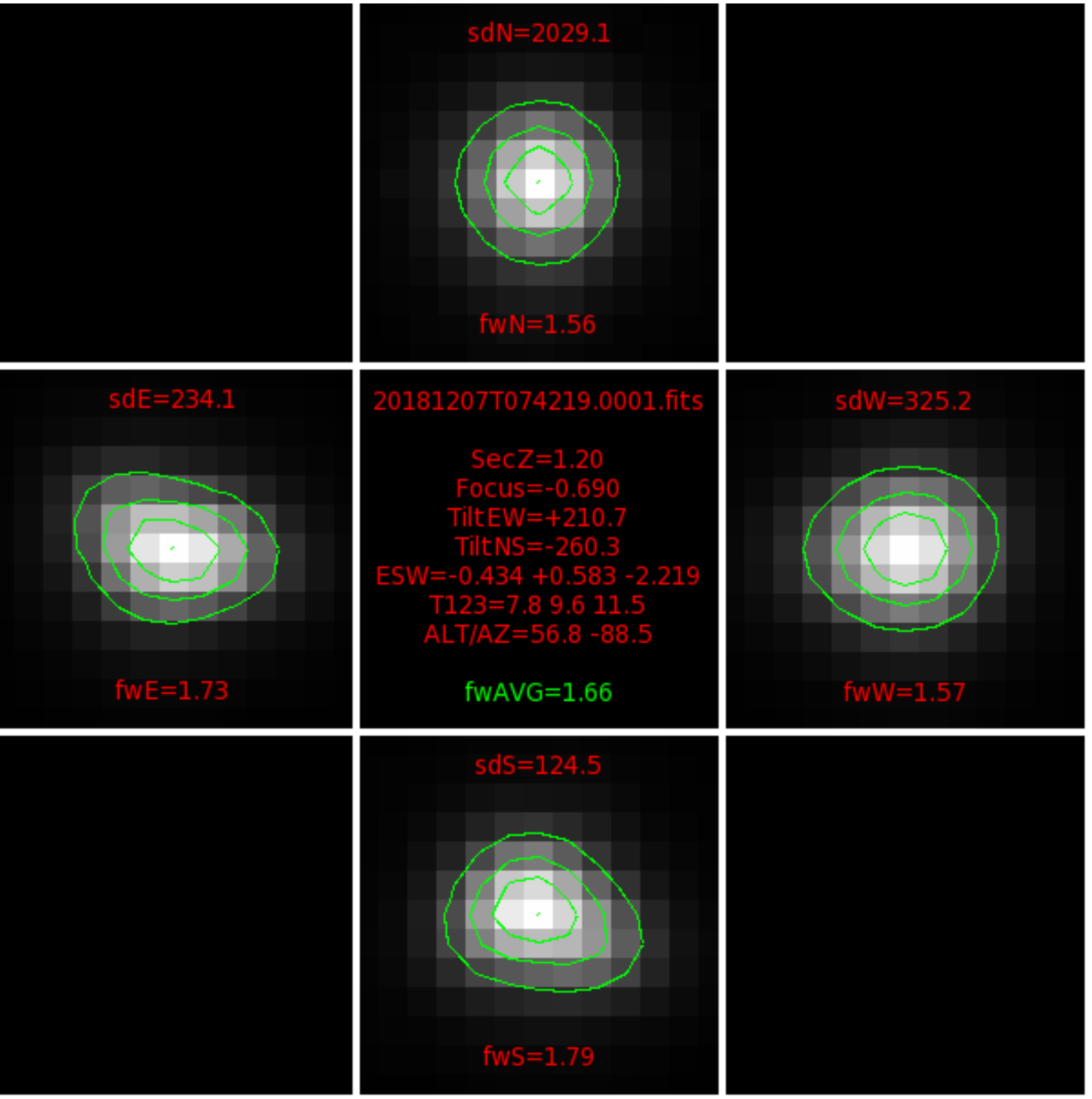
sdN=2029.1
fwN=1.56
sdE=234.1
fwE=1.73
20181207T074219.0001.fits
SecZ=1.20
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.6 11.5
ALT/AZ=56.8 -88.5
fwAVG=1.66
sdW=325.2
fwW=1.57
sdS=124.5
fwS=1.79
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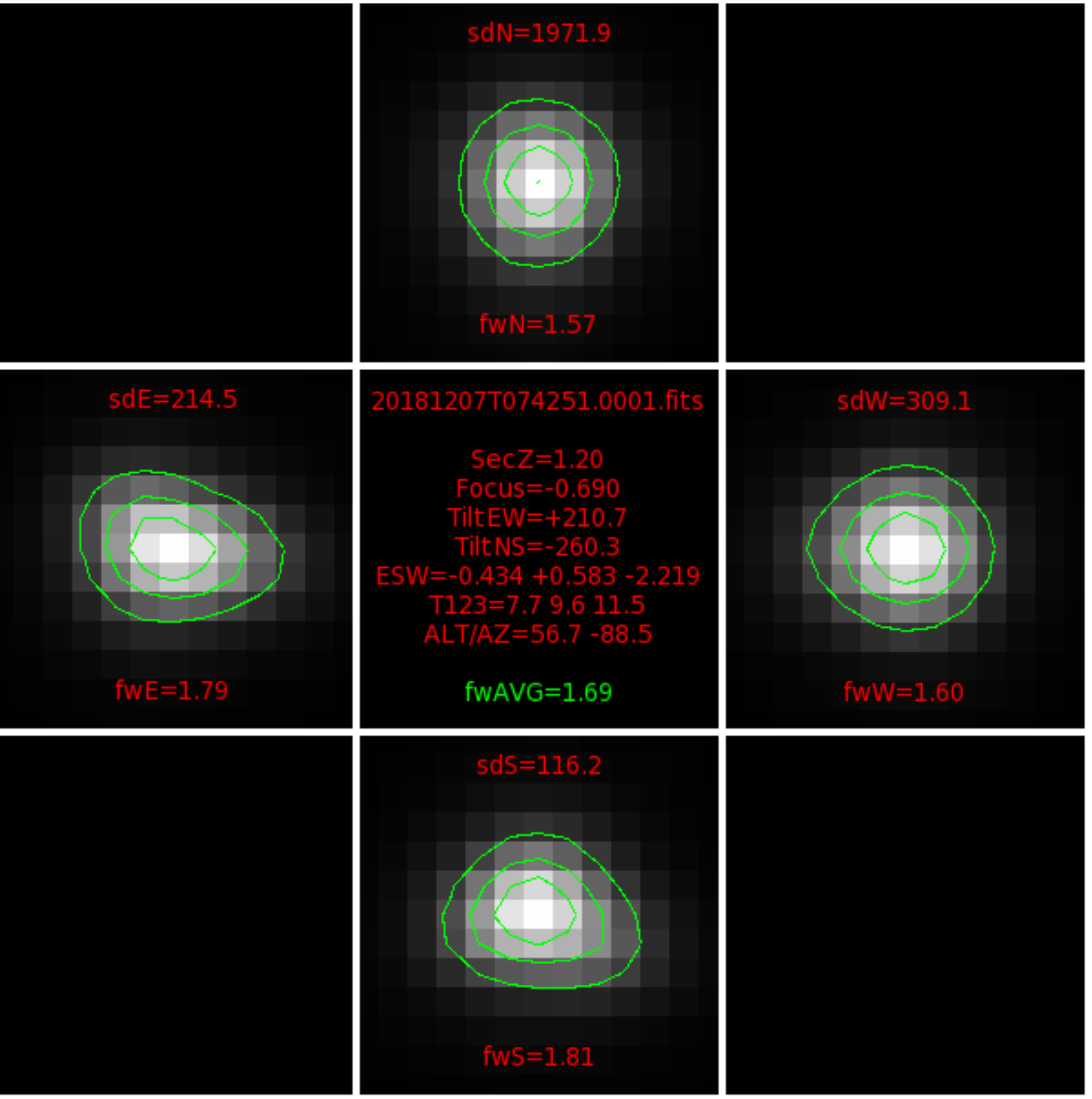
sdN=1971.9
fwN=1.57
sdE=214.5
fwE=1.79
20181207T074251.0001.fits
SecZ=1.20
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.6 11.5
ALT/AZ=56.7 -88.5
fwAVG=1.69
sdW=309.1
fwW=1.60
sdS=116.2
fwS=1.81
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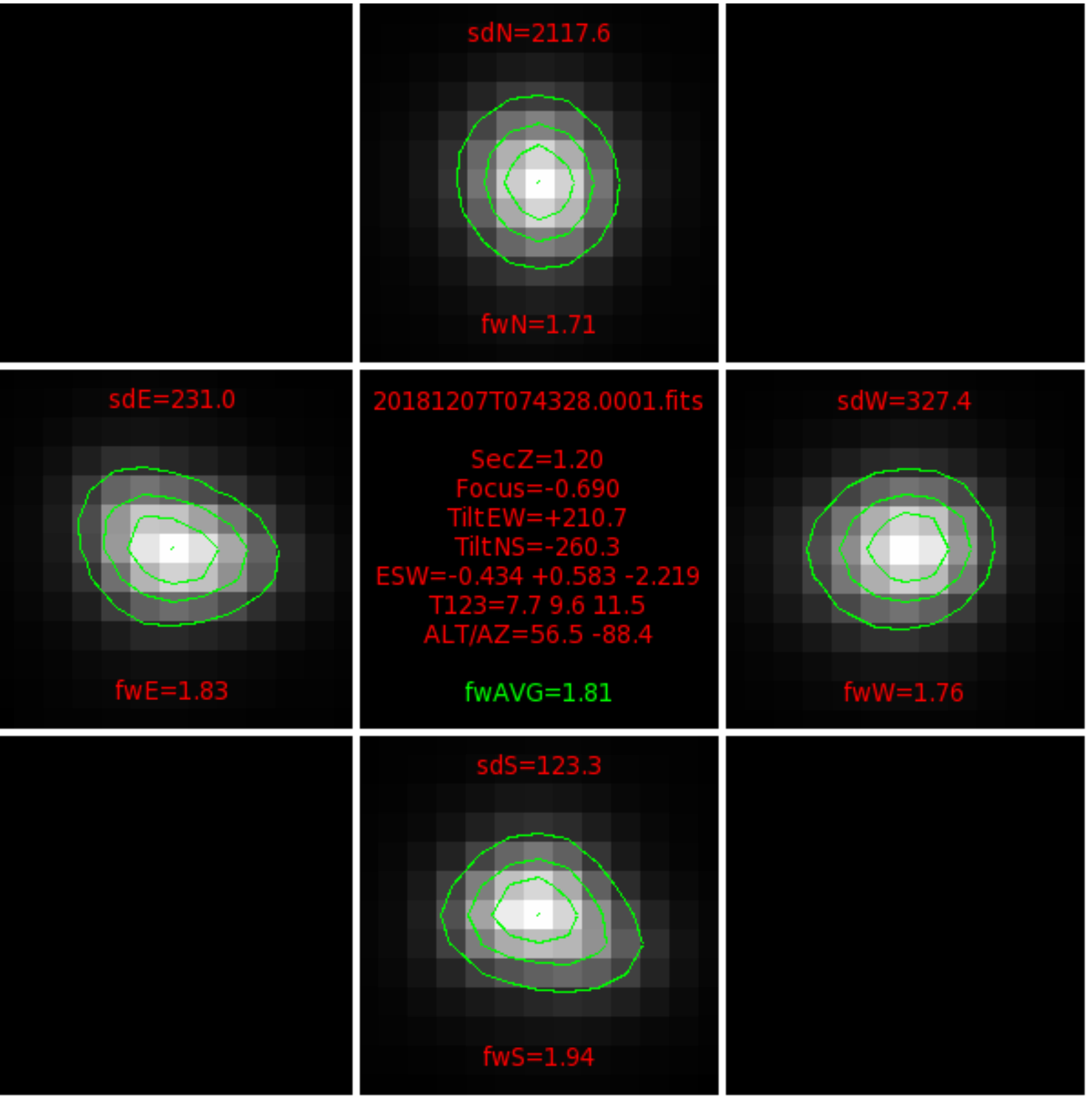
sdN=2117.6
fwN=1.71
sdE=231.0
fwE=1.83
20181207T074328.0001.fits
SecZ=1.20
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.6 11.5
ALT/AZ=56.5 -88.4
fwAVG=1.81
sdW=327.4
fwW=1.76
sdS=123.3
fwS=1.94
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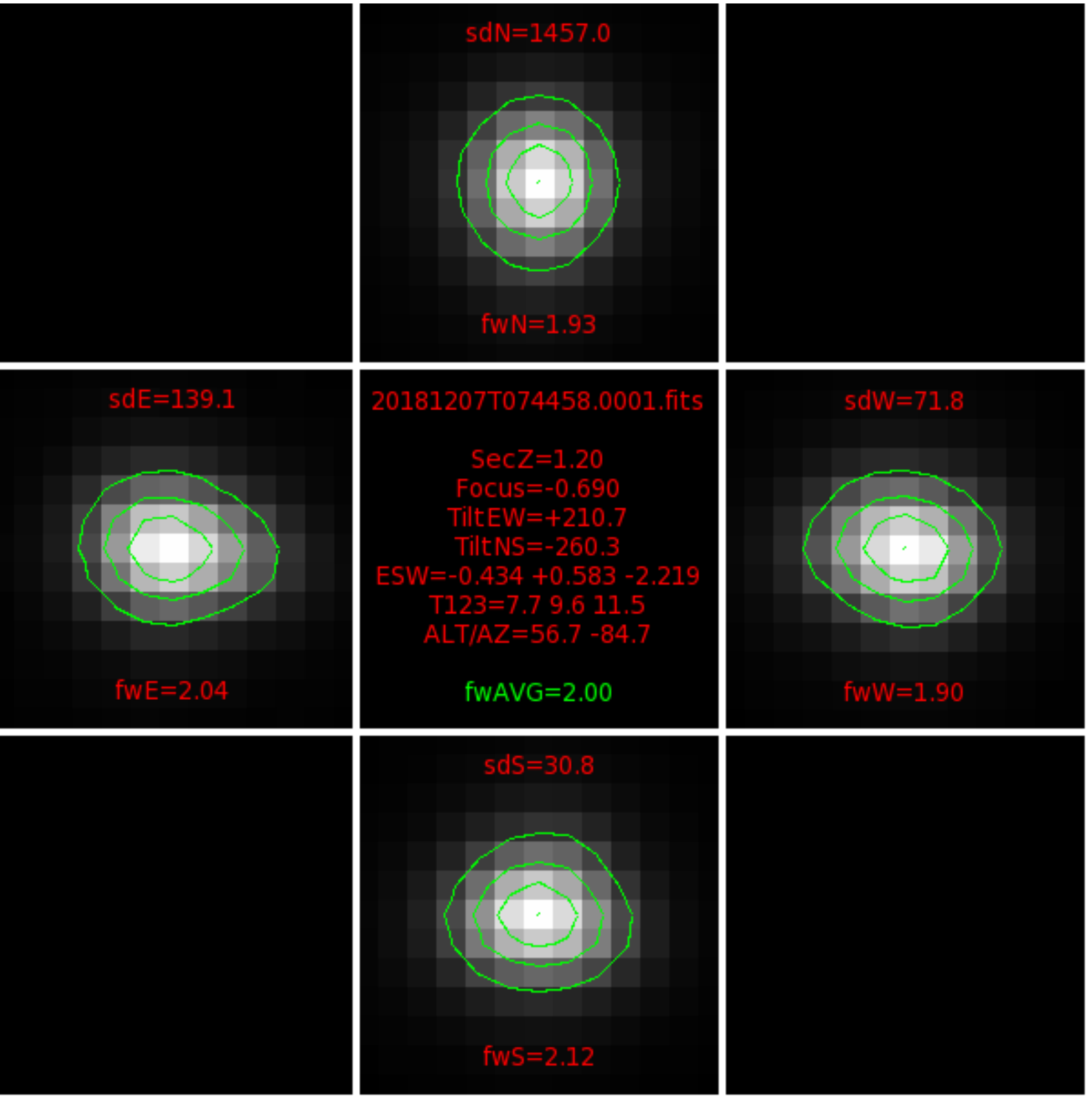
sdN=1457.0
fwN=1.93
sdE=139.1
fwE=2.04
20181207T074458.0001.fits
SecZ=1.20
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.6 11.5
ALT/AZ=56.7 -84.7
fwAVG=2.00
sdW=71.8
fwW=1.90
sdS=30.8
fwS=2.12
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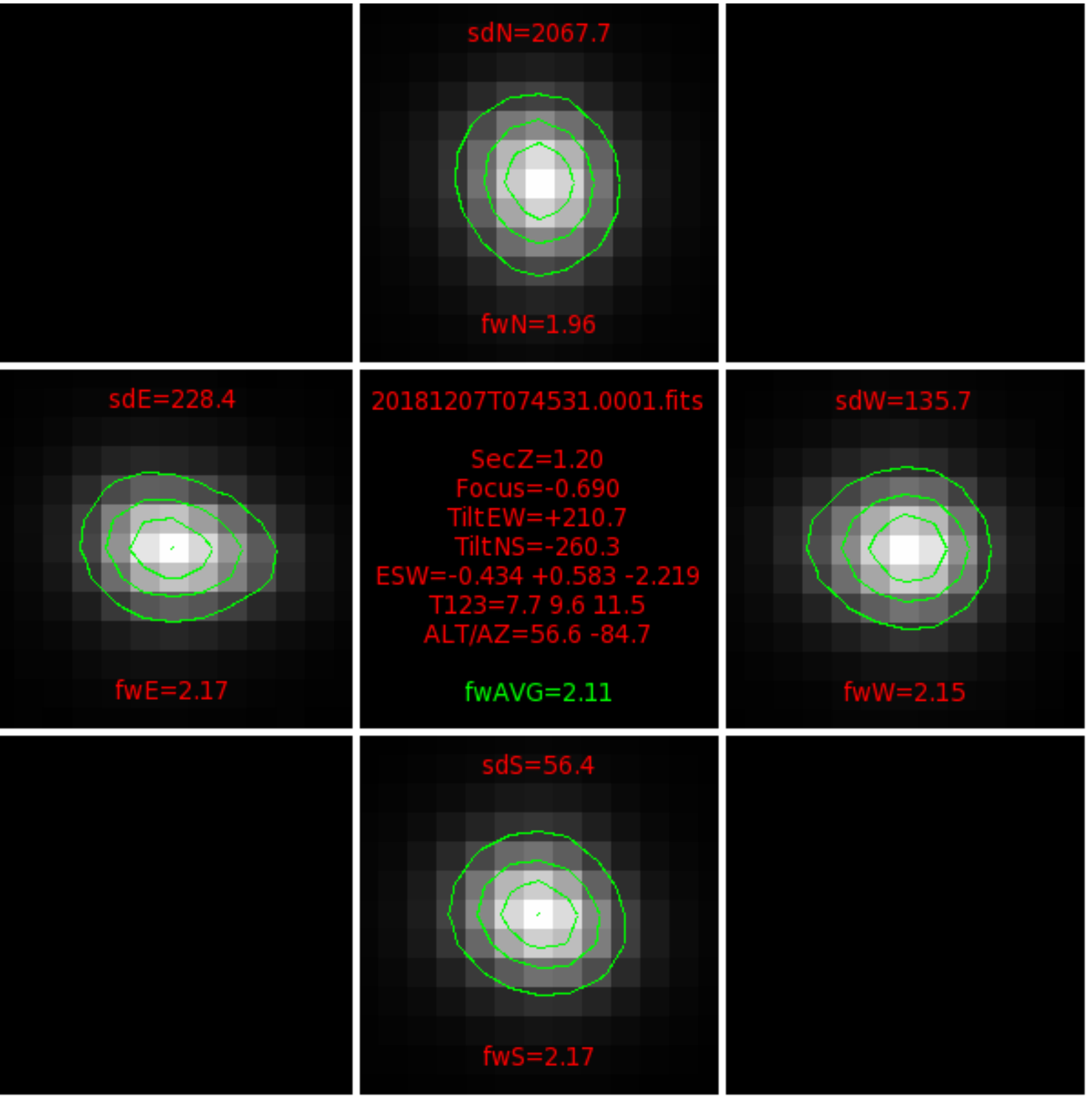
sdN=2067.7
fwN=1.96
sdE=228.4
fwE=2.17
20181207T074531.0001.fits
SecZ=1.20
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.6 11.5
ALT/AZ=56.6 -84.7
fwAVG=2.11
sdW=135.7
fwW=2.15
sdS=56.4
fwS=2.17
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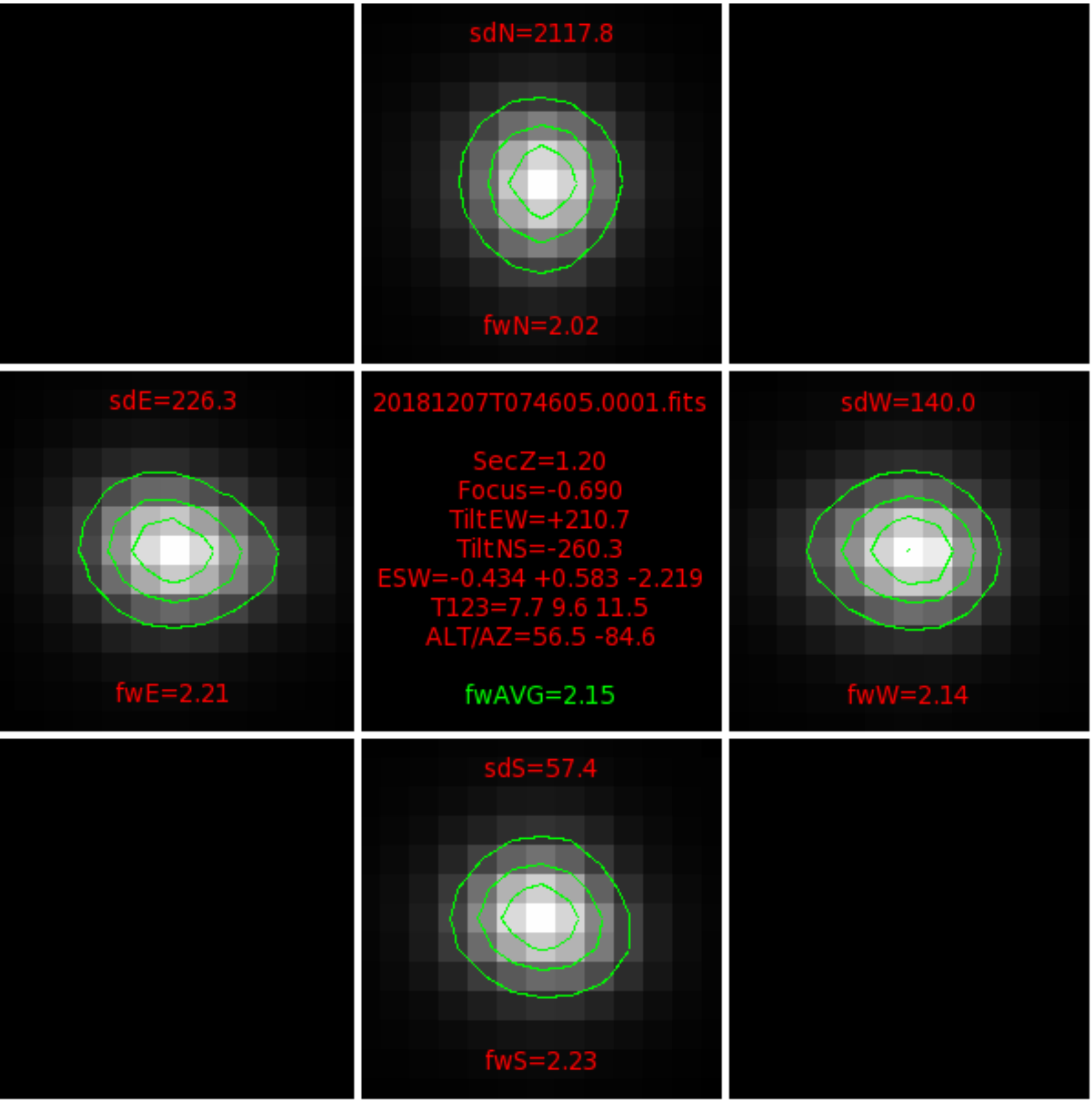
sdN=2117.8
fwN=2.02
sdE=226.3
fwE=2.21
20181207T074605.0001.fits
SecZ=1.20
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.6 11.5
ALT/AZ=56.5 -84.6
fwAVG=2.15
sdW=140.0
fwW=2.14
sdS=57.4
fwS=2.23
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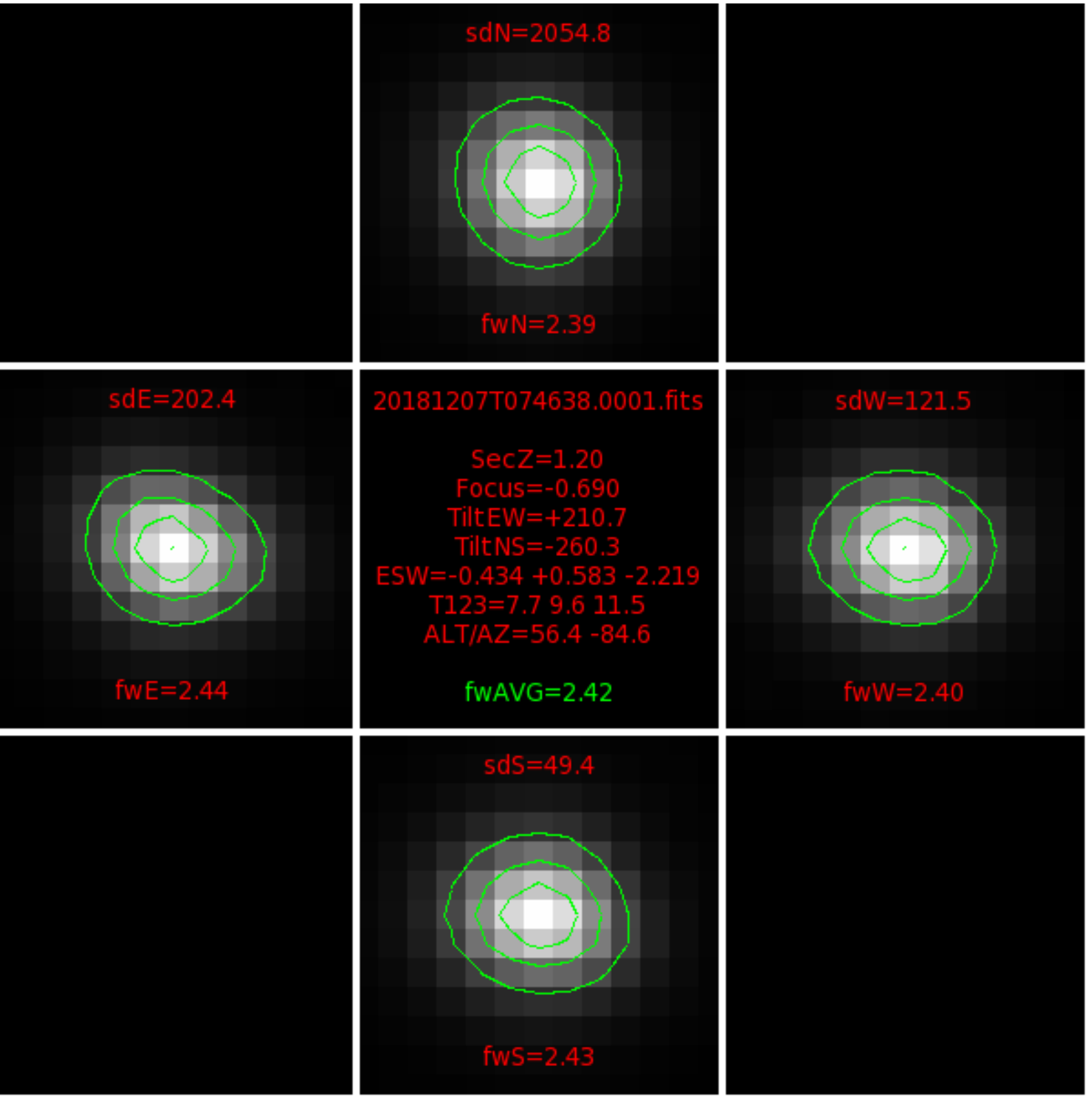
sdN=2054.8
fwN=2.39
sdE=202.4
fwE=2.44
20181207T074638.0001.fits
SecZ=1.20
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.6 11.5
ALT/AZ=56.4 -84.6
fwAVG=2.42
sdW=121.5
fwW=2.40
sdS=49.4
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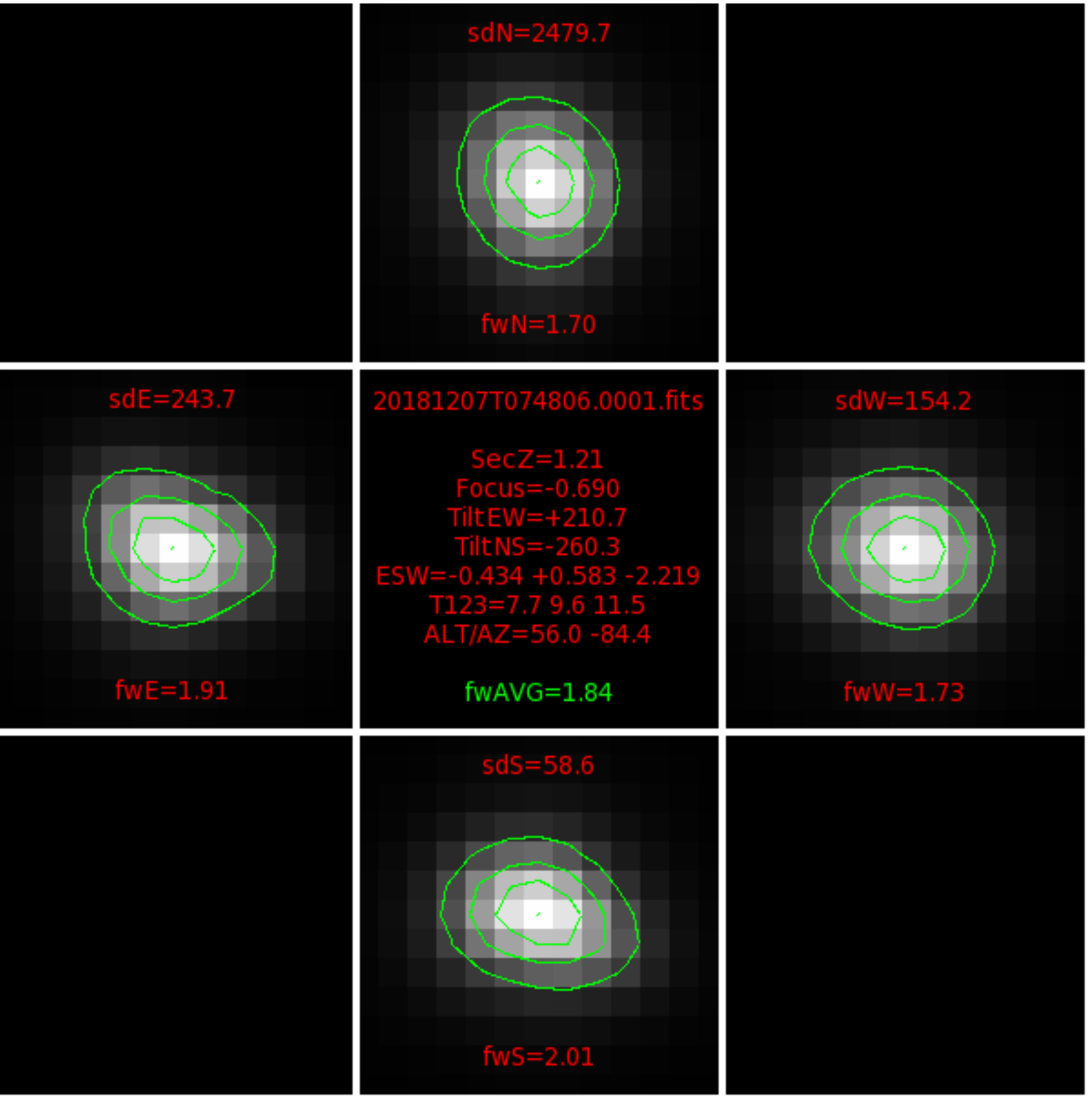
sdN=2479.7
fwN=1.70
sdE=243.7
fwE=1.91
20181207T074806.0001.fits
SecZ=1.21
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.6 11.5
ALT/AZ=56.0 -84.4
fwAVG=1.84
sdW=154.2
fwW=1.73
sdS=58.6
fwS=2.01
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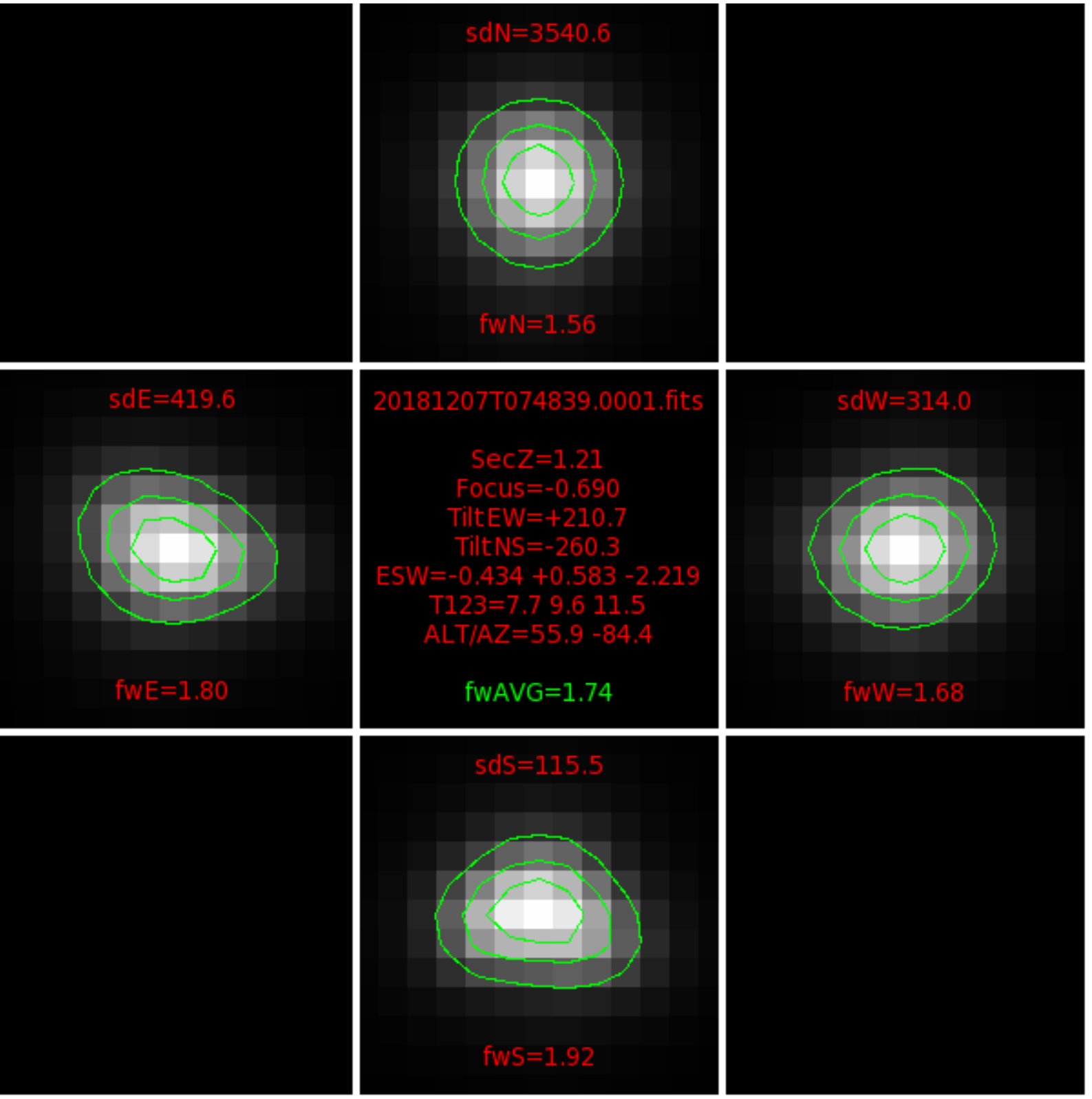
sdN=3540.6
fwN=1.56
sdE=419.6
fwE=1.80
20181207T074839.0001.fits
SecZ=1.21
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.6 11.5
ALT/AZ=55.9 -84.4
fwAVG=1.74
sdW=314.0
fwW=1.68
sdS=115.5
fwS=1.92
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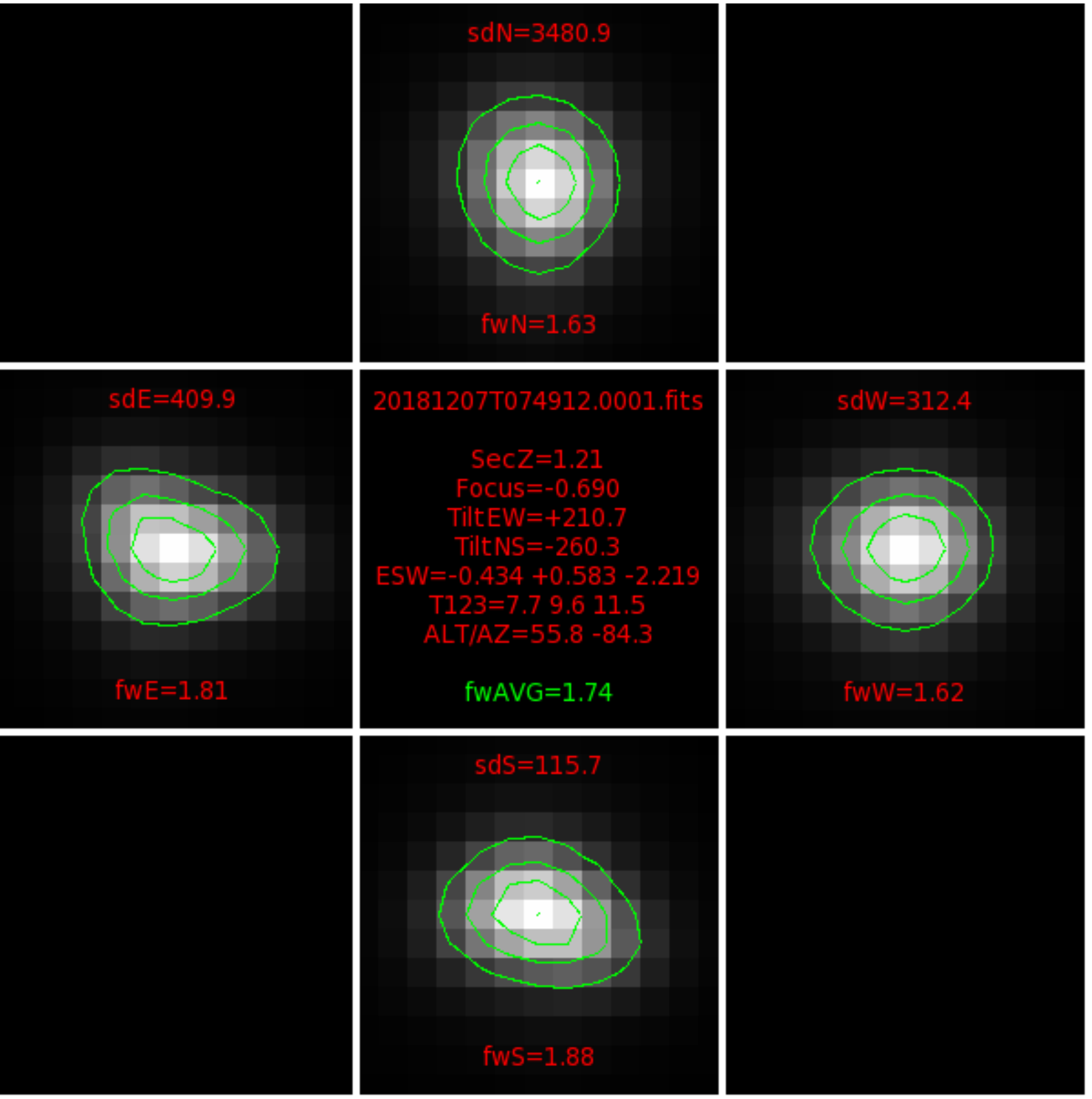
sdN=3480.9
fwN=1.63
sdE=409.9
fwE=1.81
20181207T074912.0001.fits
SecZ=1.21
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.6 11.5
ALT/AZ=55.8 -84.3
fwAVG=1.74
sdW=312.4
fwW=1.62
sdS=115.7
fwS=1.88
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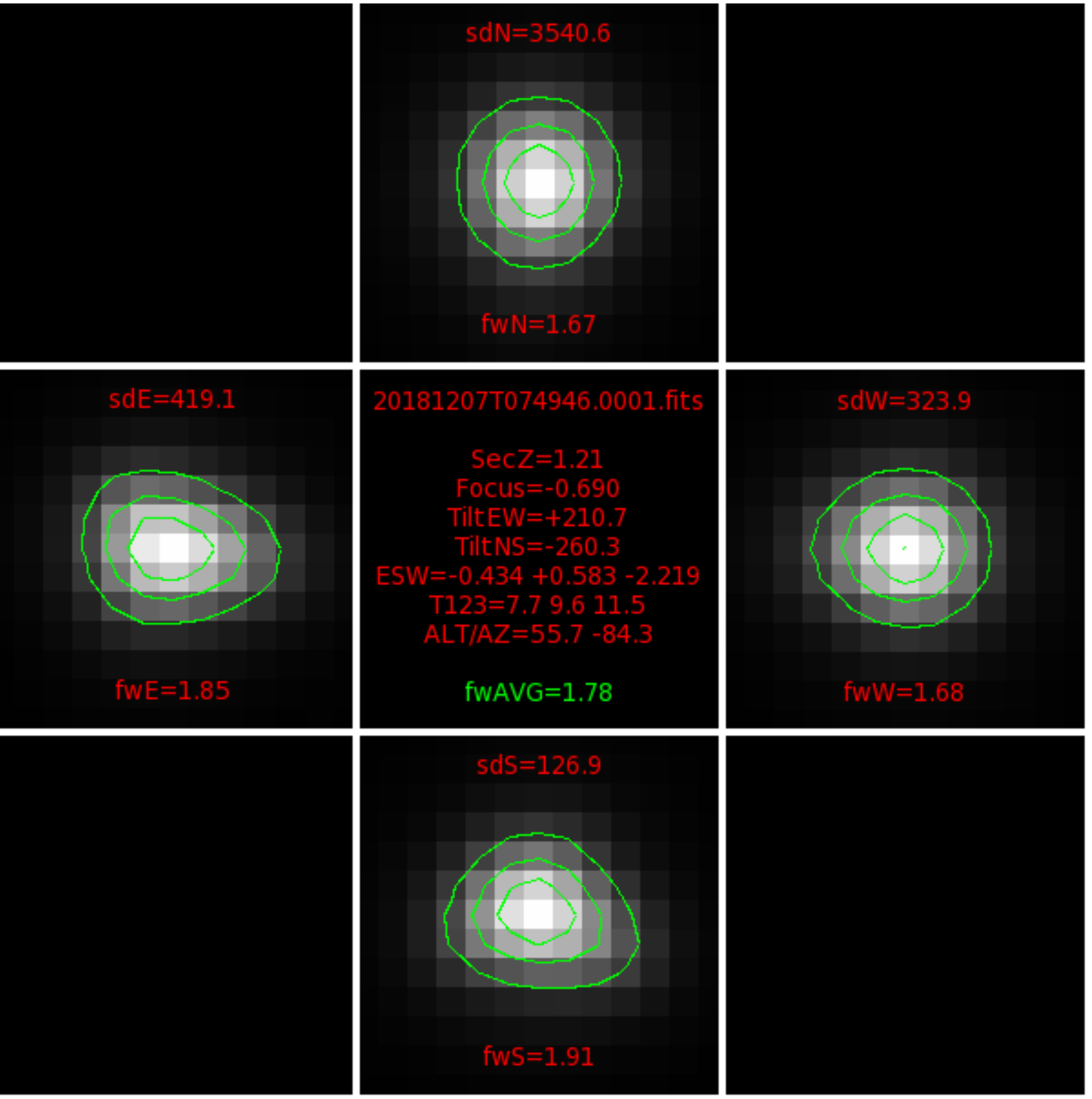
sdN=3540.6
fwN=1.67
sdE=419.1
fwE=1.85
20181207T074946.0001.fits
SecZ=1.21
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.7 9.6 11.5
ALT/AZ=55.7 -84.3
fwAVG=1.78
sdW=323.9
fwW=1.68
sdS=126.9
fwS=1.91
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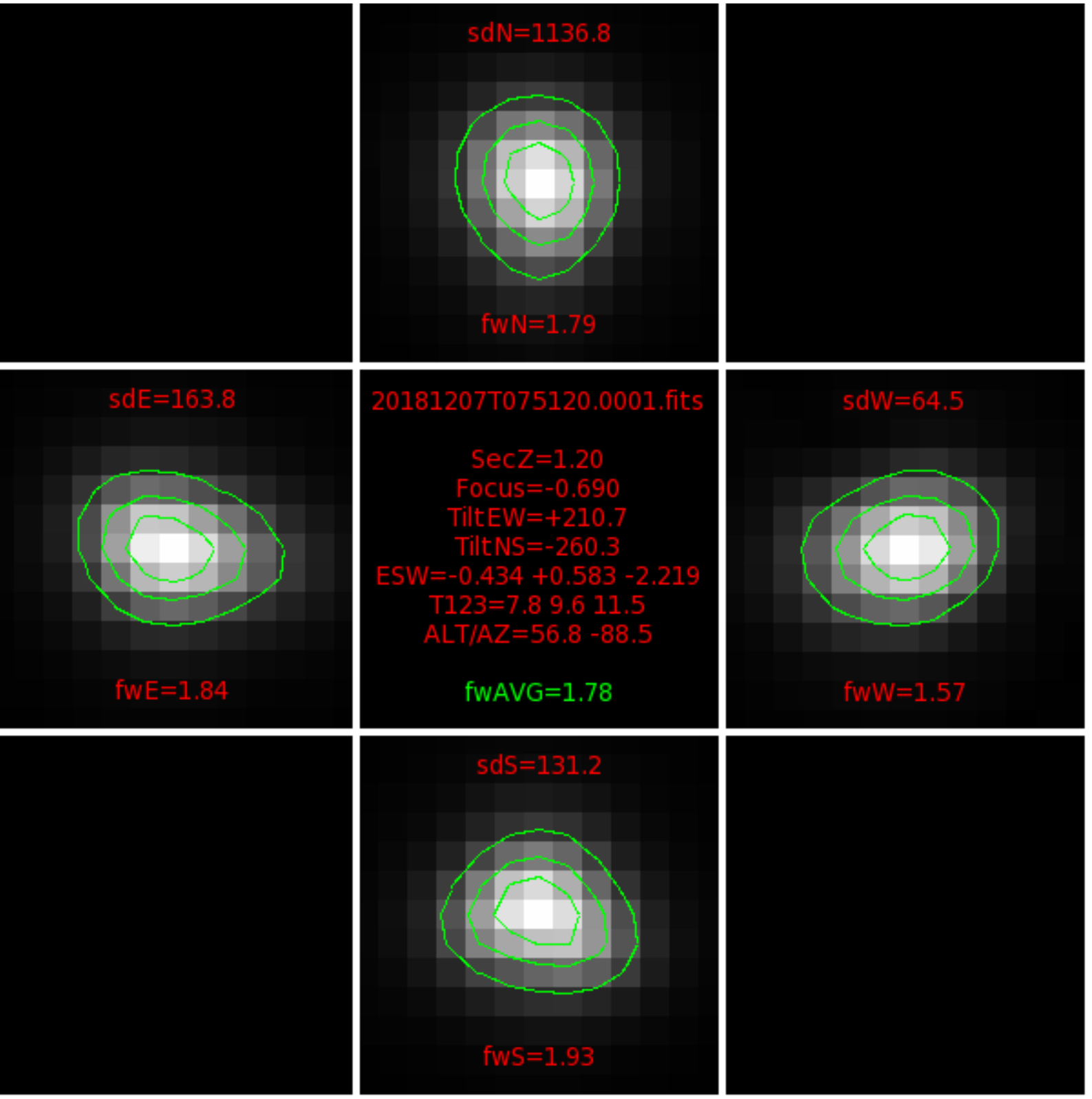
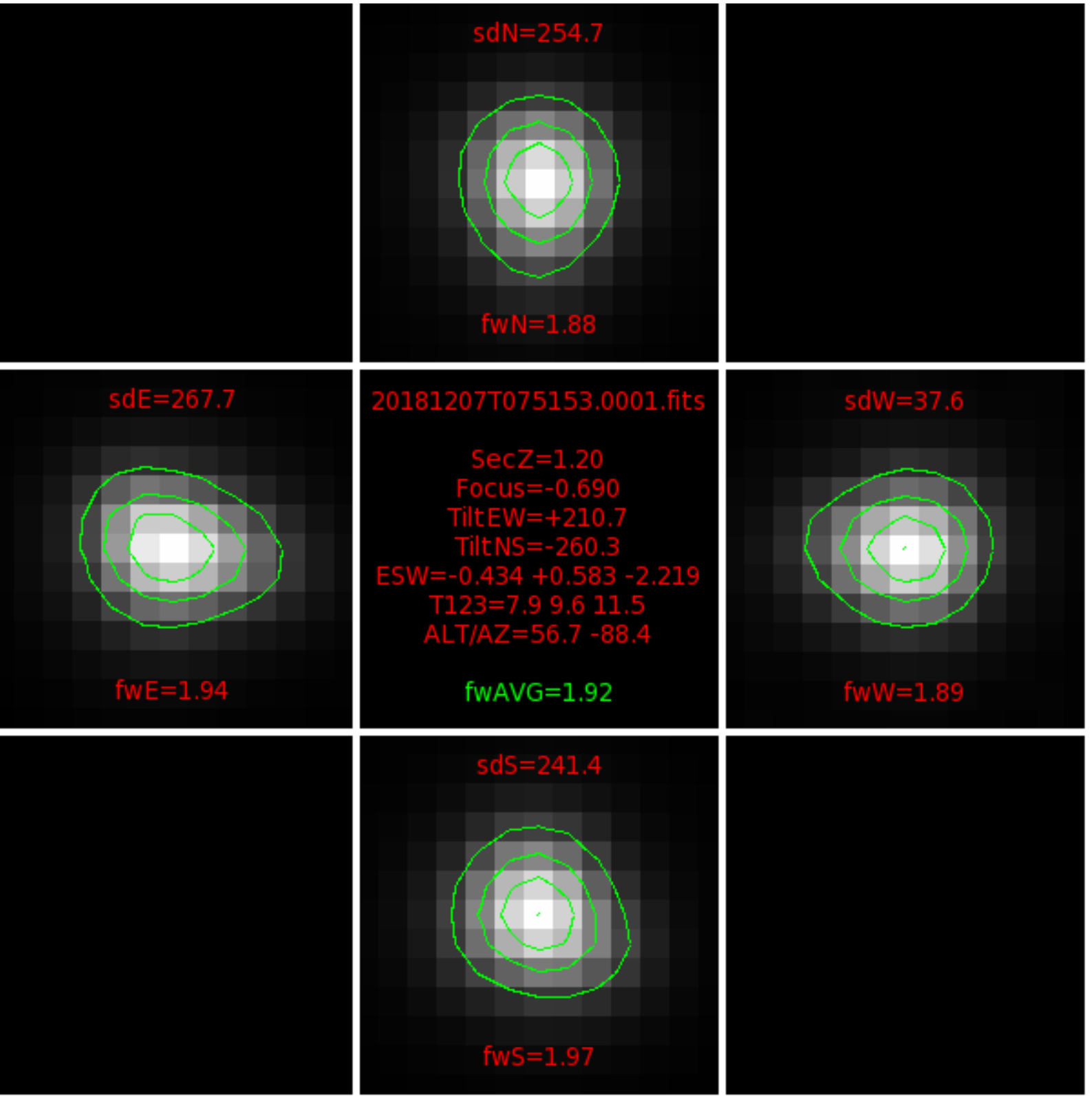

sdN=1136.8
fwN=1.79
sdE=163.8
fwE=1.84
20181207T075120.0001.fits
SecZ=1.20
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.6 11.5
ALT/AZ=56.8 -88.5
fwAVG=1.78
sdW=64.5
fwW=1.57
sdS=131.2
fwS=1.93
0 0 0 0 0 0 0 0 0


sdN=254.7
fwN=1.88
sdE=267.7
fwE=1.94
20181207T075153.0001.fits
SecZ=1.20
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.9 9.6 11.5
ALT/AZ=56.7 -88.4
fwAVG=1.92
sdW=37.6
fwW=1.89
sdS=241.4
fwS=1.97
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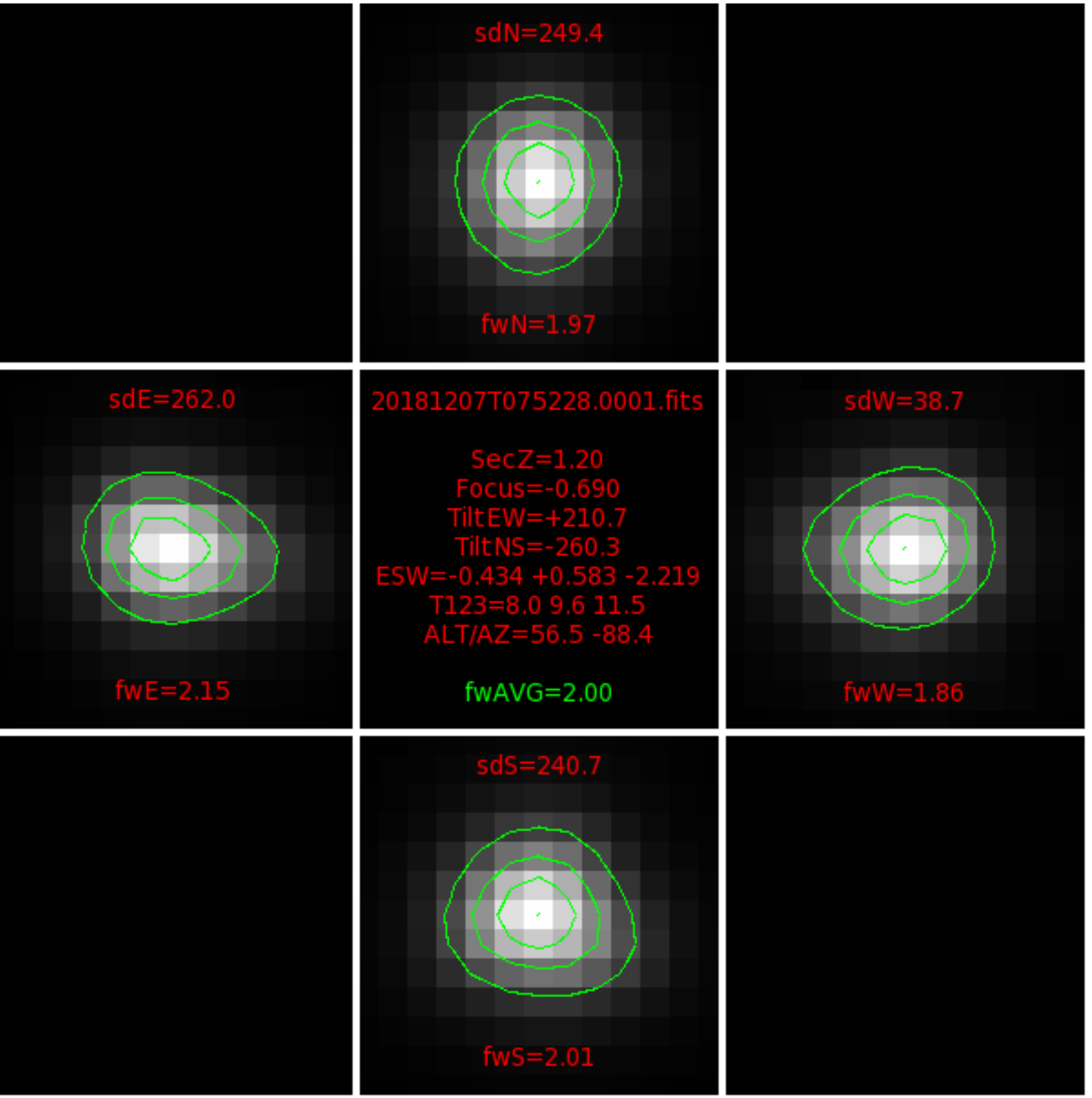
sdN=249.4
fwN=1.97
sdE=262.0
fwE=2.15
20181207T075228.0001.fits
SecZ=1.20
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=8.0 9.6 11.5
ALT/AZ=56.5 -88.4
fwAVG=2.00
sdW=38.7
fwW=1.86
sdS=240.7
fwS=2.01
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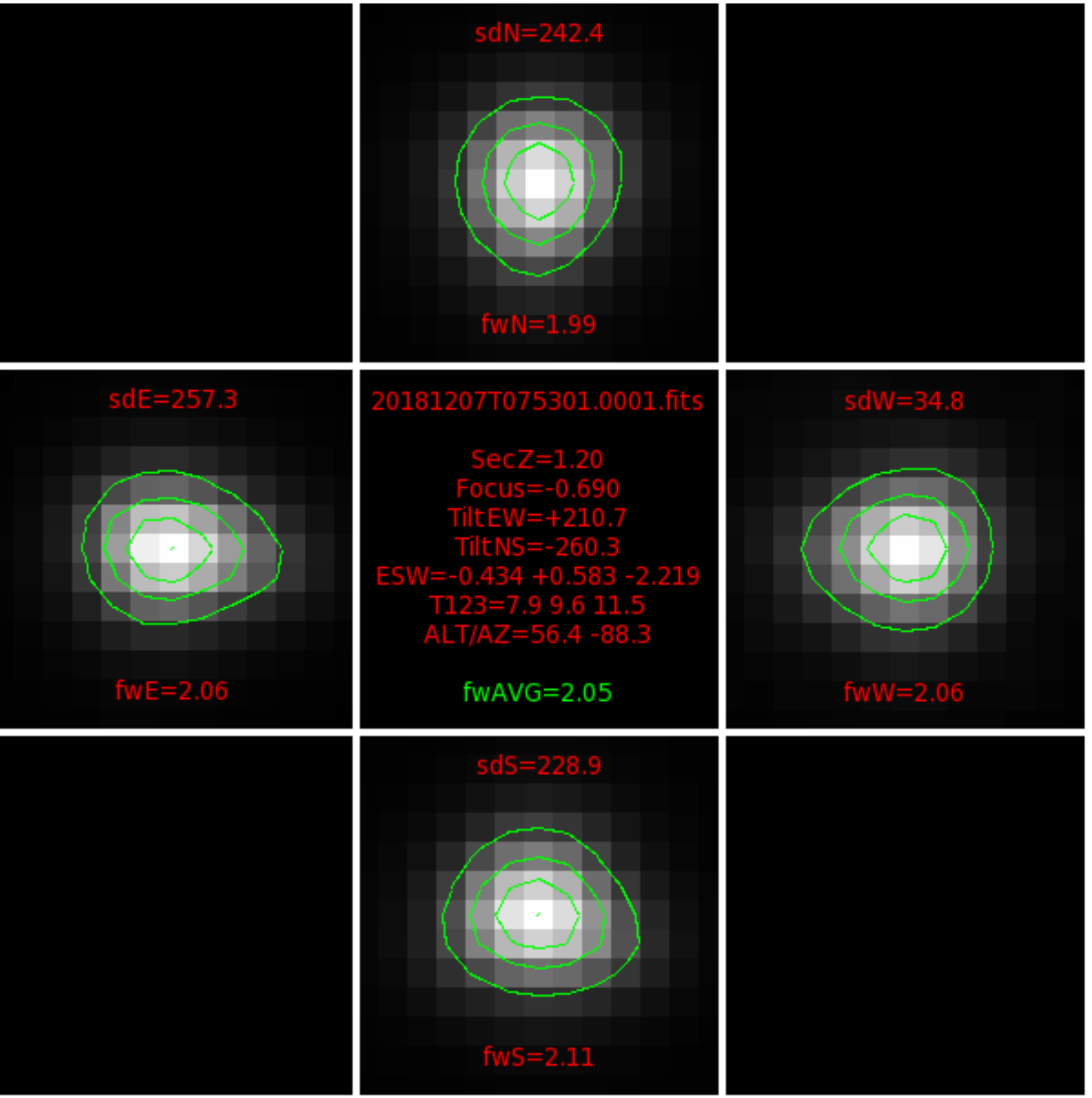
sdN=242.4
fwN=1.99
sdE=257.3
fwE=2.06
20181207T075301.0001.fits
SecZ=1.20
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.9 9.6 11.5
ALT/AZ=56.4 -88.3
fwAVG=2.05
sdW=34.8
fwW=2.06
sdS=228.9
fwS=2.11
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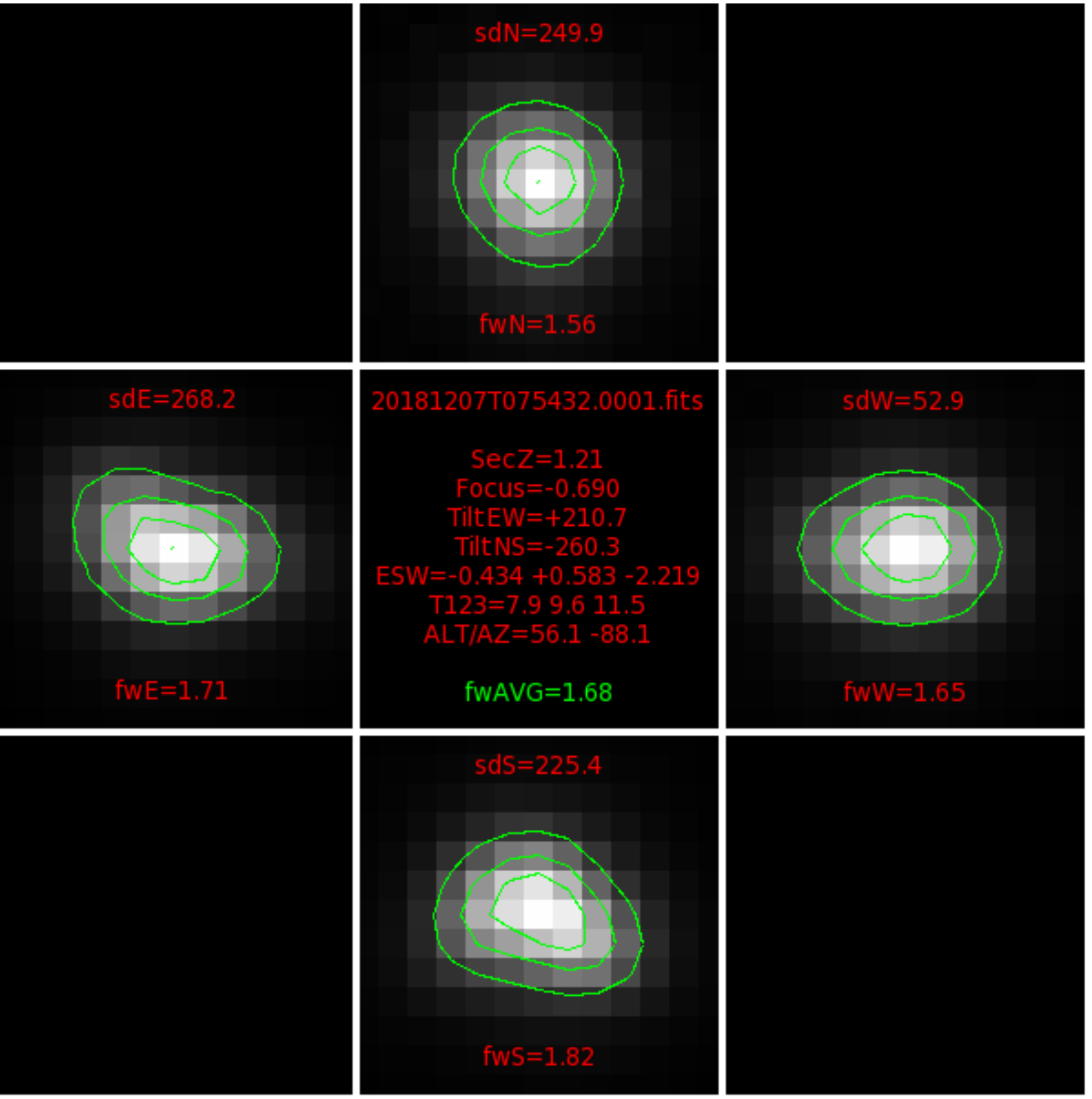
sdN=249.9
fwN=1.56
sdE=268.2
fwE=1.71
20181207T075432.0001.fits
SecZ=1.21
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.9 9.6 11.5
ALT/AZ=56.1 -88.1
fwAVG=1.68
sdW=52.9
fwW=1.65
sdS=225.4
fwS=1.82
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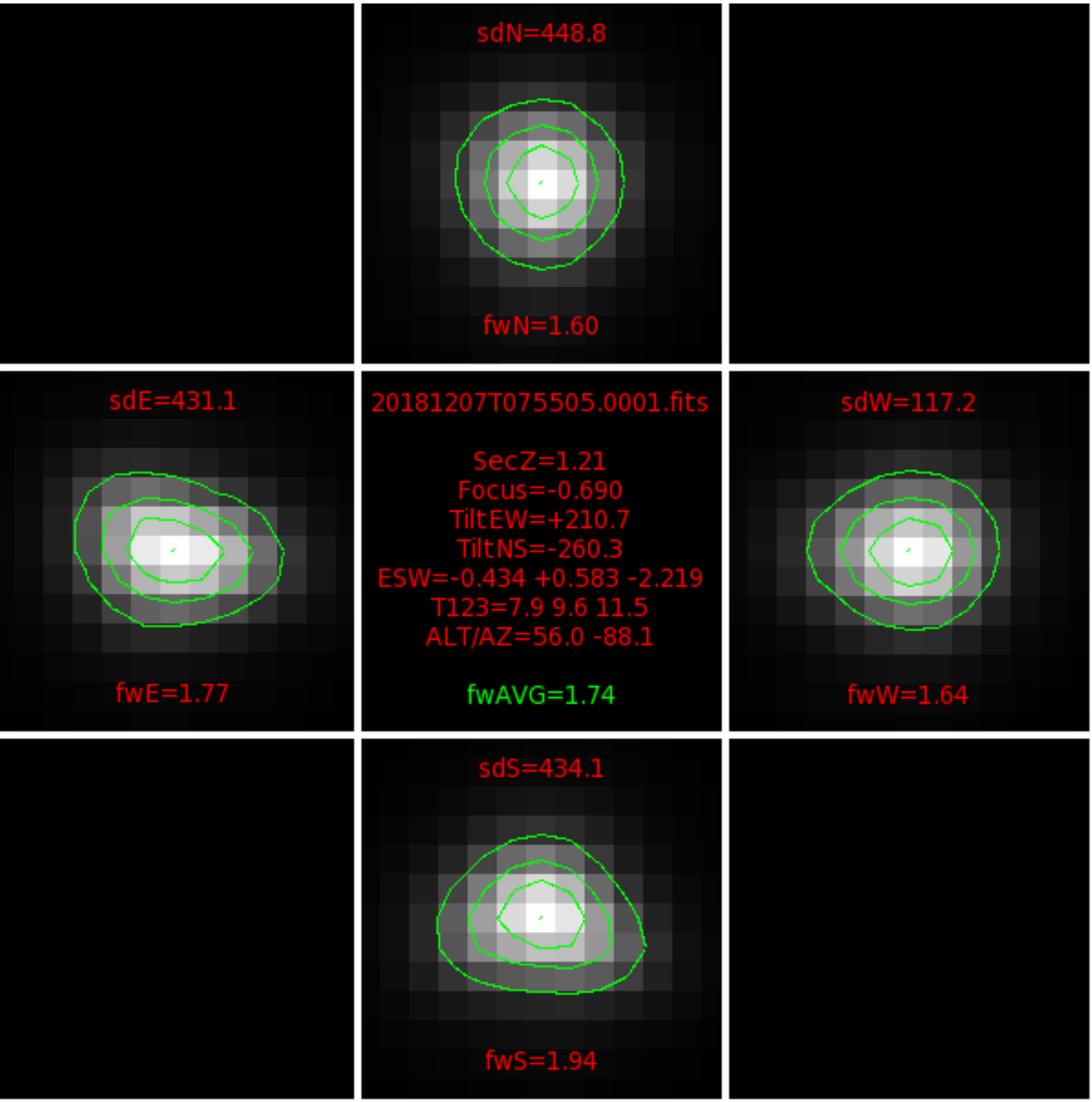
sdN=448.8
fwN=1.60
sdE=431.1
fwE=1.77
20181207T075505.0001.fits
SecZ=1.21
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.9 9.6 11.5
ALT/AZ=56.0 -88.1
fwAVG=1.74
sdW=117.2
fwW=1.64
sdS=434.1
fwS=1.94
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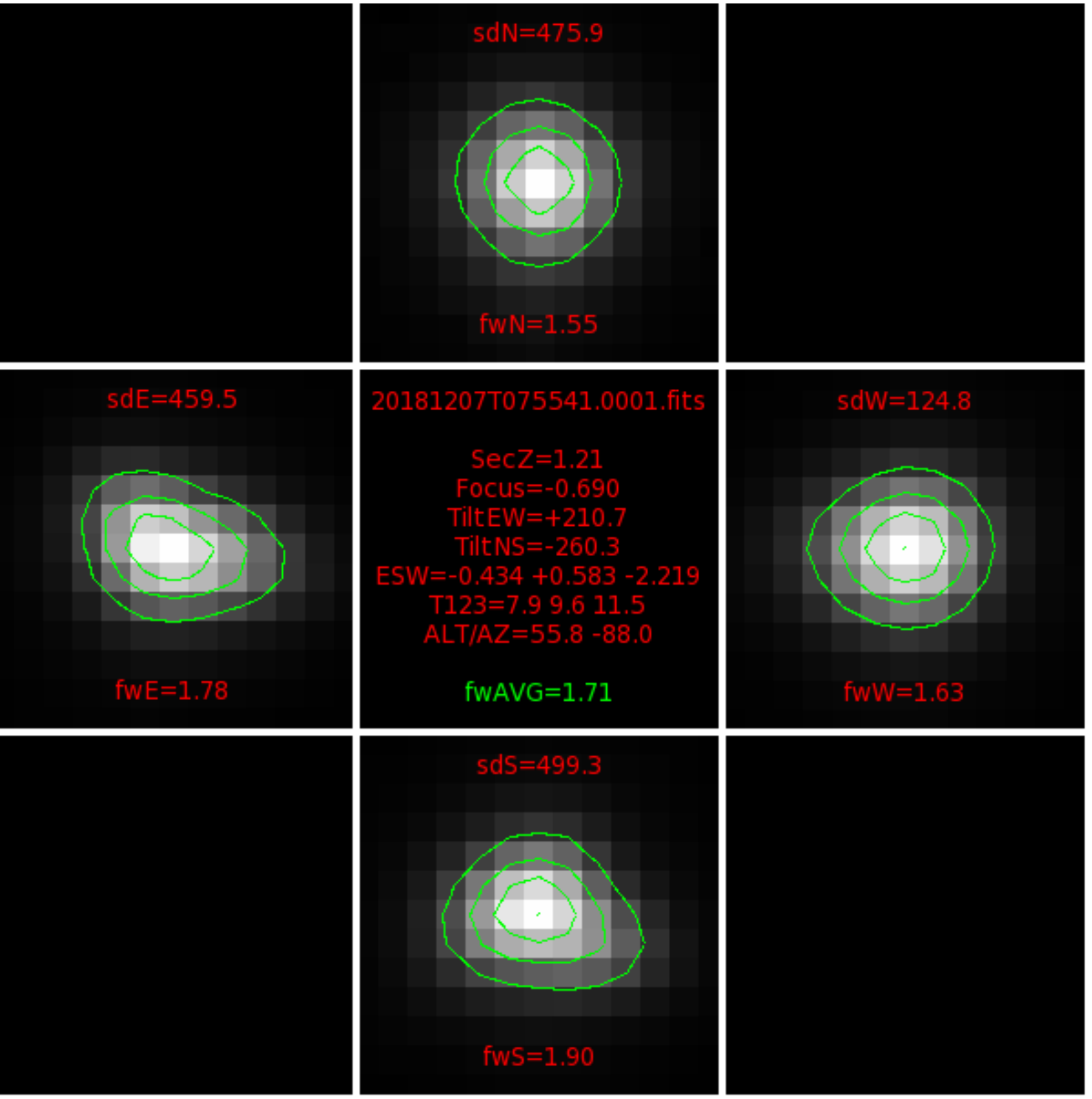
sdN=475.9
fwN=1.55
sdE=459.5
fwE=1.78
20181207T075541.0001.fits
SecZ=1.21
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.9 9.6 11.5
ALT/AZ=55.8 -88.0
fwAVG=1.71
sdW=124.8
fwW=1.63
sdS=499.3
fwS=1.90
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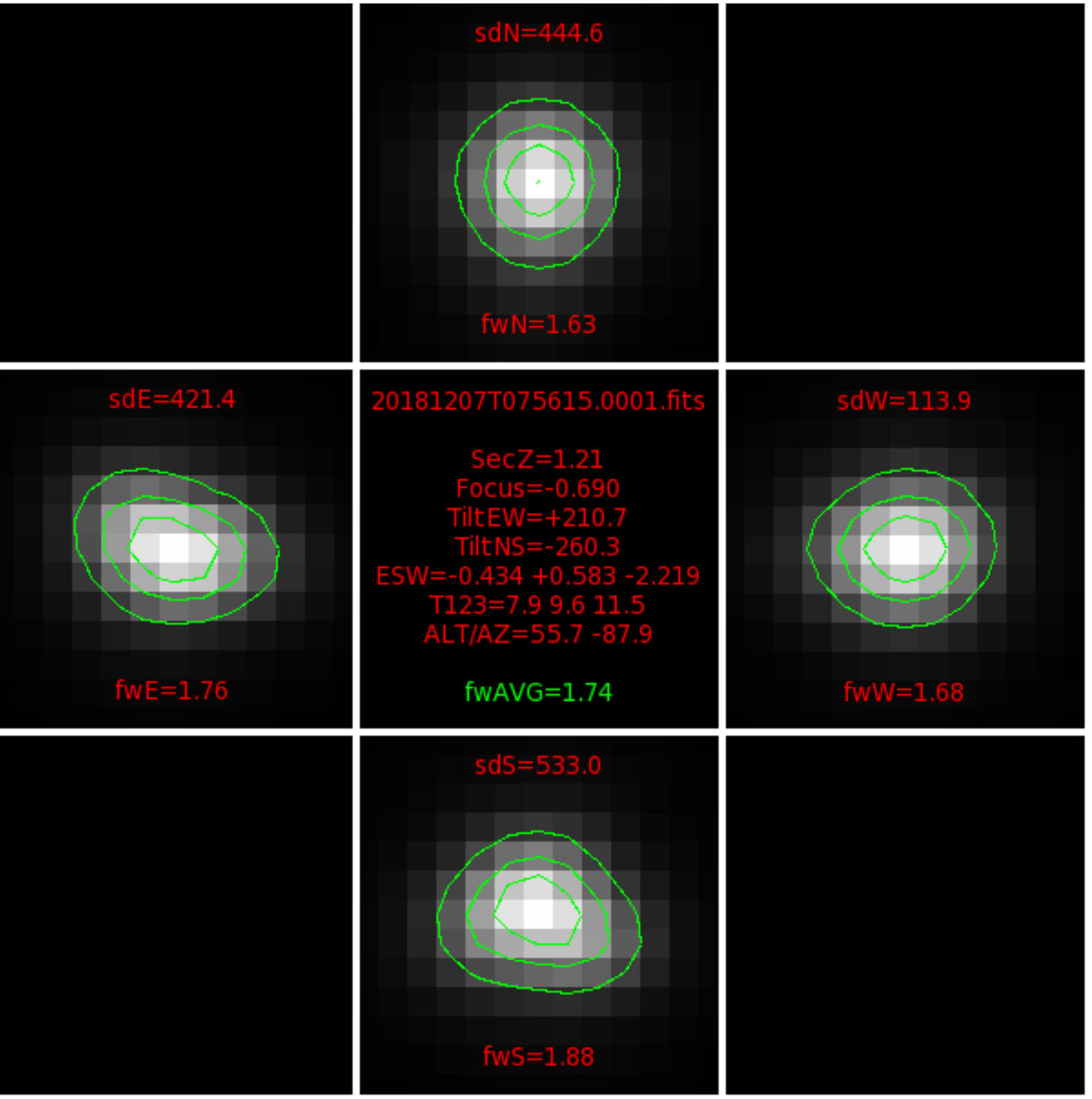
sdN=444.6
fwN=1.63
sdE=421.4
fwE=1.76
20181207T075615.0001.fits
SecZ=1.21
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.9 9.6 11.5
ALT/AZ=55.7 -87.9
fwAVG=1.74
sdW=113.9
fwW=1.68
sdS=533.0
fwS=1.88
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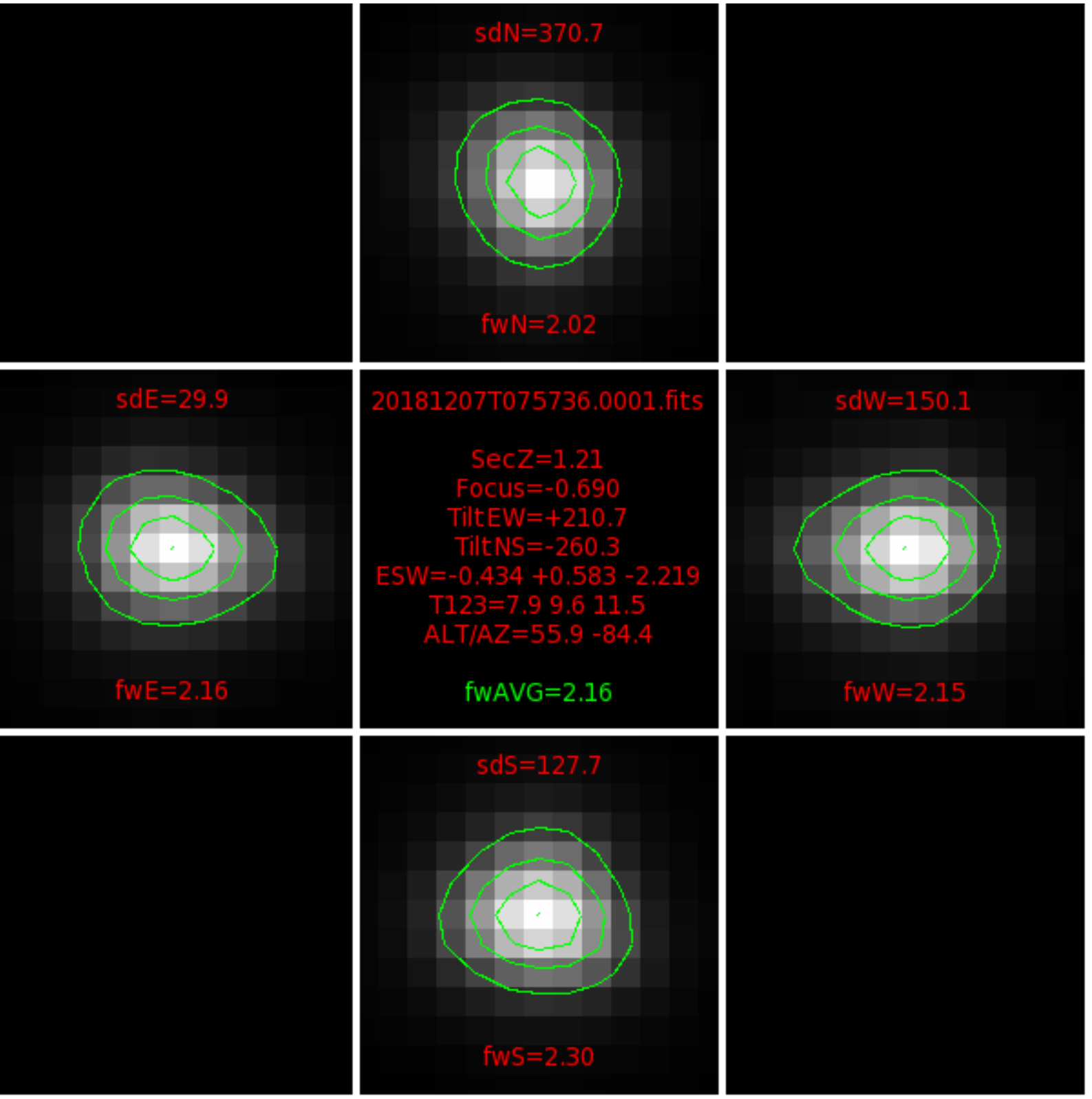
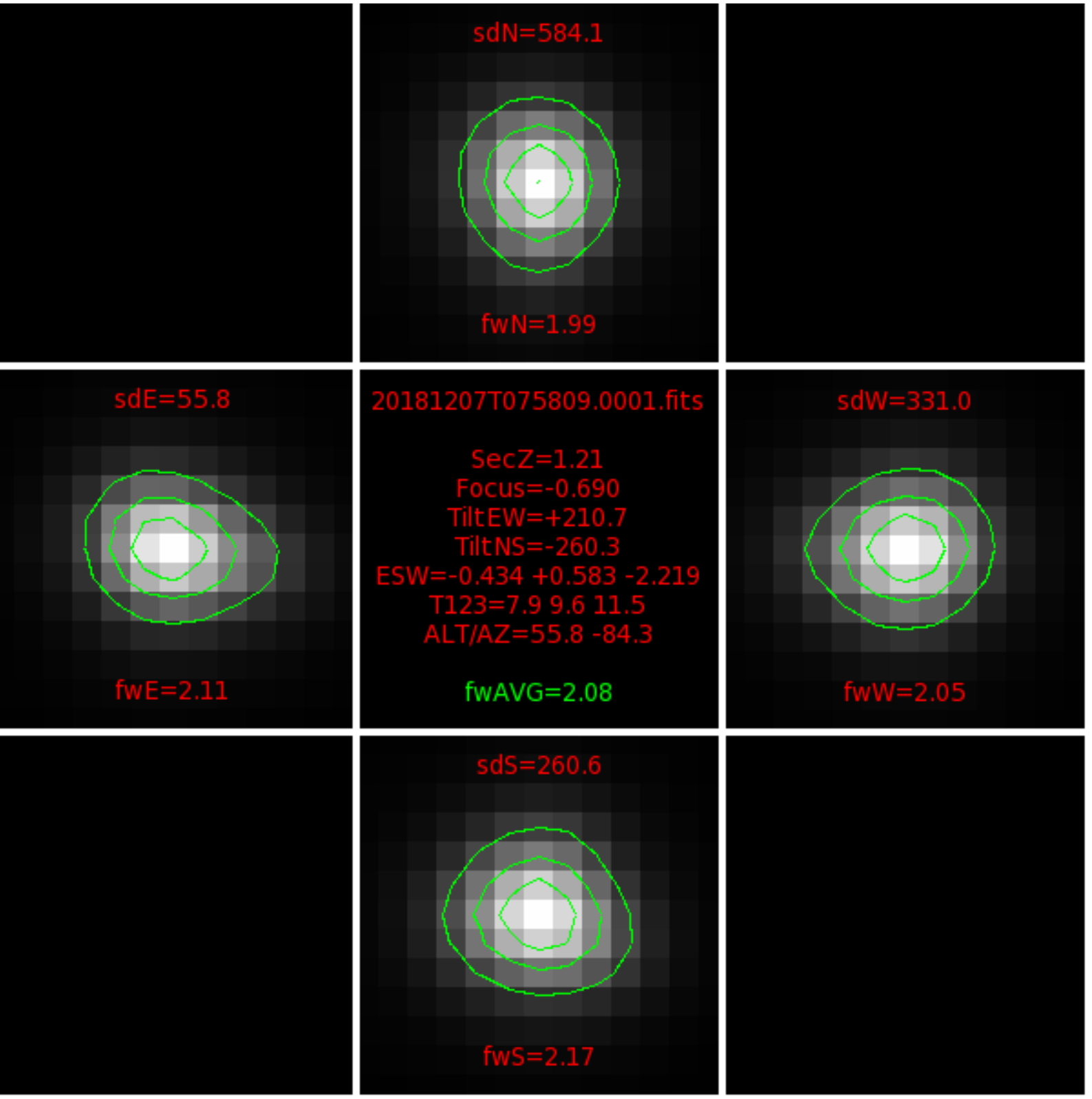

sdN=370.7
fwN=2.02
sdE=29.9
fwE=2.16
20181207T075736.0001.fits
SecZ=1.21
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.9 9.6 11.5
ALT/AZ=55.9 -84.4
fwAVG=2.16
sdW=150.1
fwW=2.15
sdS=127.7
fwS=2.30
0 0 0 0 0 0 0 0 0


sdN=584.1
fwN=1.99
sdE=55.8
fwE=2.11
20181207T075809.0001.fits
SecZ=1.21
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.9 9.6 11.5
ALT/AZ=55.8 -84.3
fwAVG=2.08
sdW=331.0
fwW=2.05
sdS=260.6
fwS=2.17
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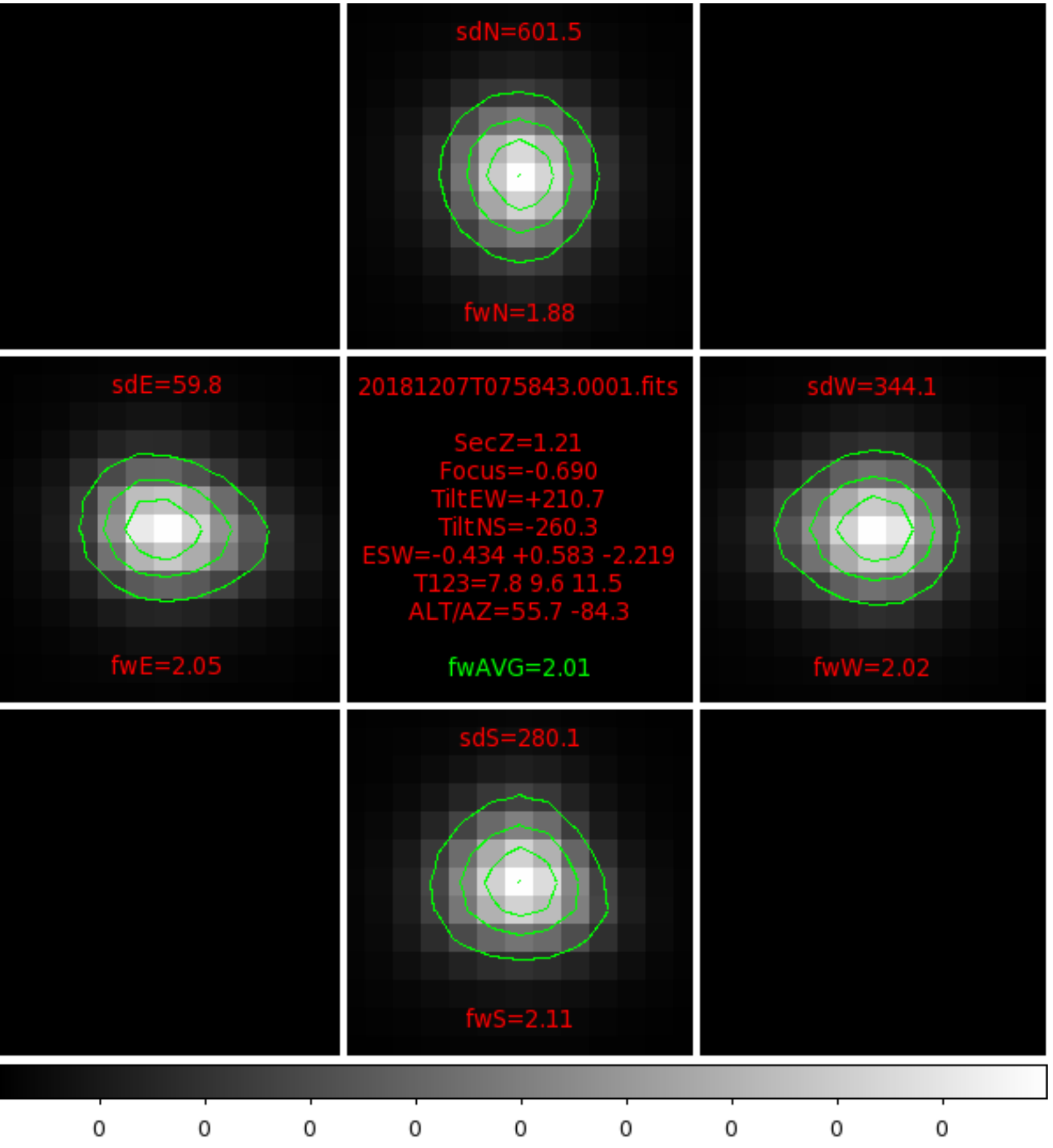
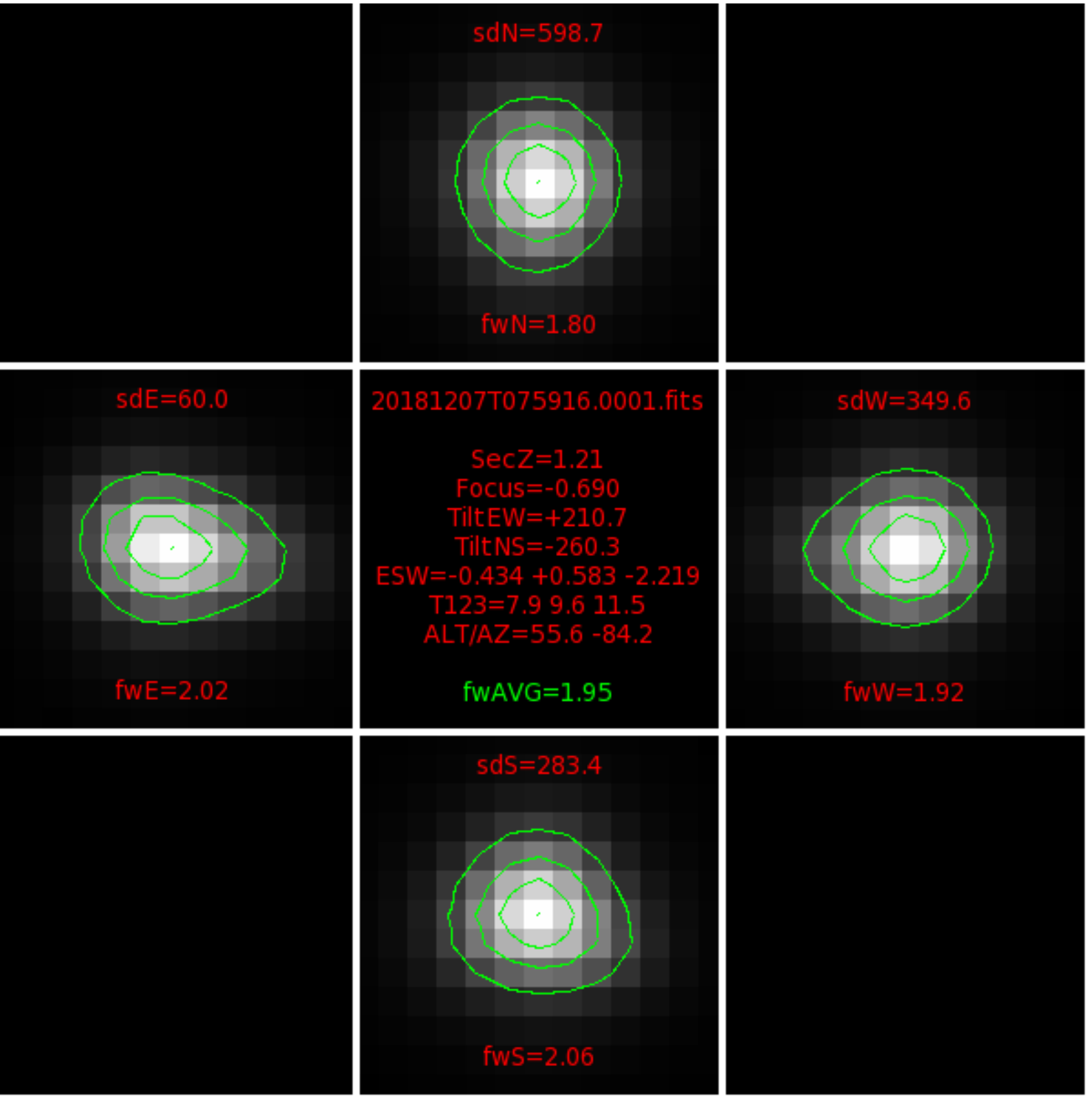

sdN=601.5
fwN=1.88
sdE=59.8
fwE=2.05
20181207T075843.0001.fits
SecZ=1.21
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.6 11.5
ALT/AZ=55.7 -84.3
fwAVG=2.01
sdW=344.1
fwW=2.02
sdS=280.1
fwS=2.11
0 0 0 0 0 0 0 0 0


sdN=598.7
fwN=1.80
sdE=60.0
fwE=2.02
20181207T075916.0001.fits
SecZ=1.21
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.9 9.6 11.5
ALT/AZ=55.6 -84.2
fwAVG=1.95
sdW=349.6
fwW=1.92
sdS=283.4
fwS=2.06
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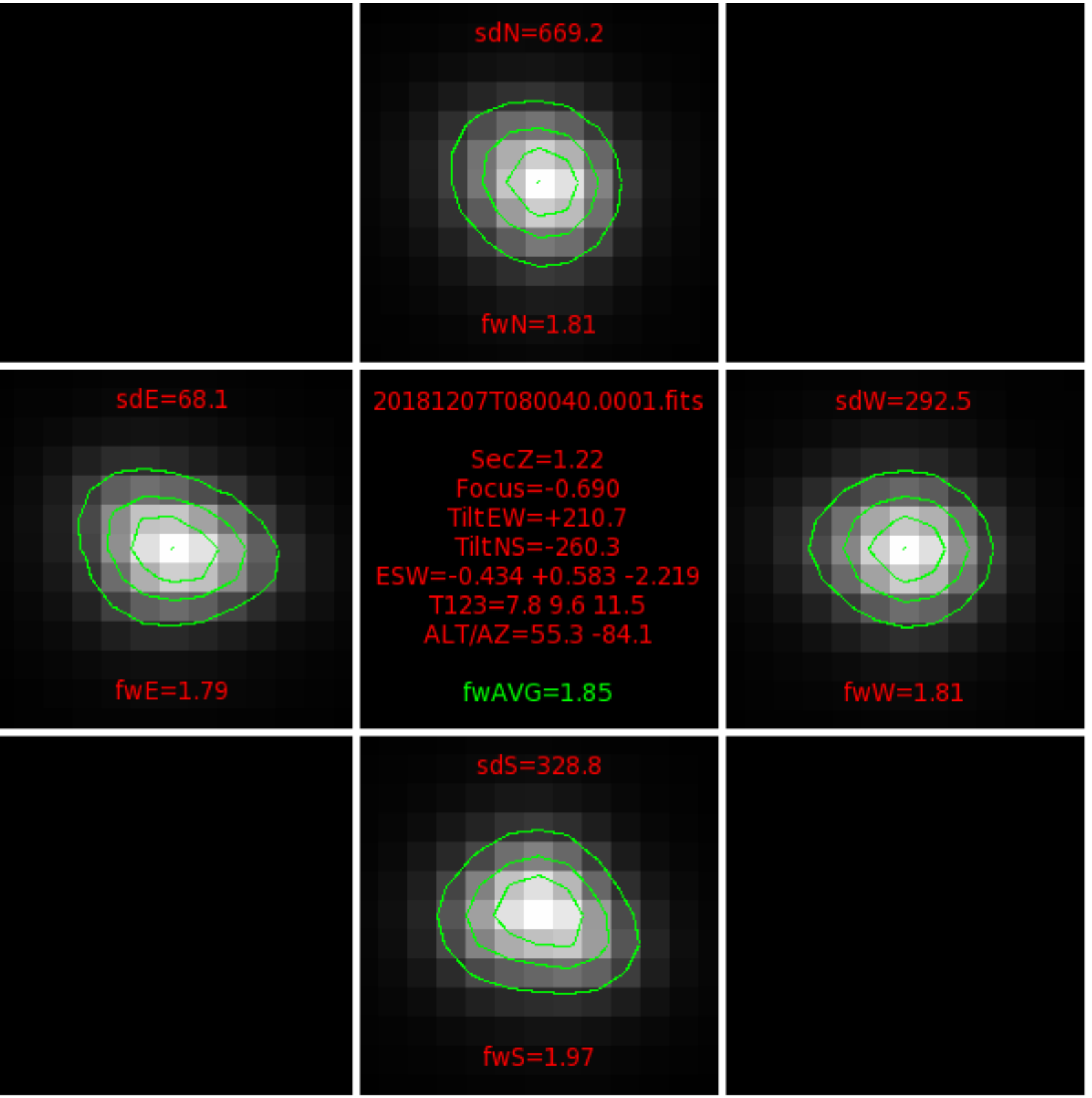
sdN=669.2
fwN=1.81
sdE=68.1
fwE=1.79
20181207T080040.0001.fits
SecZ=1.22
Focus=-0.690
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.434 +0.583 -2.219
T123=7.8 9.6 11.5
ALT/AZ=55.3 -84.1
fwAVG=1.85
sdW=292.5
fwW=1.81
sdS=328.8
fwS=1.97
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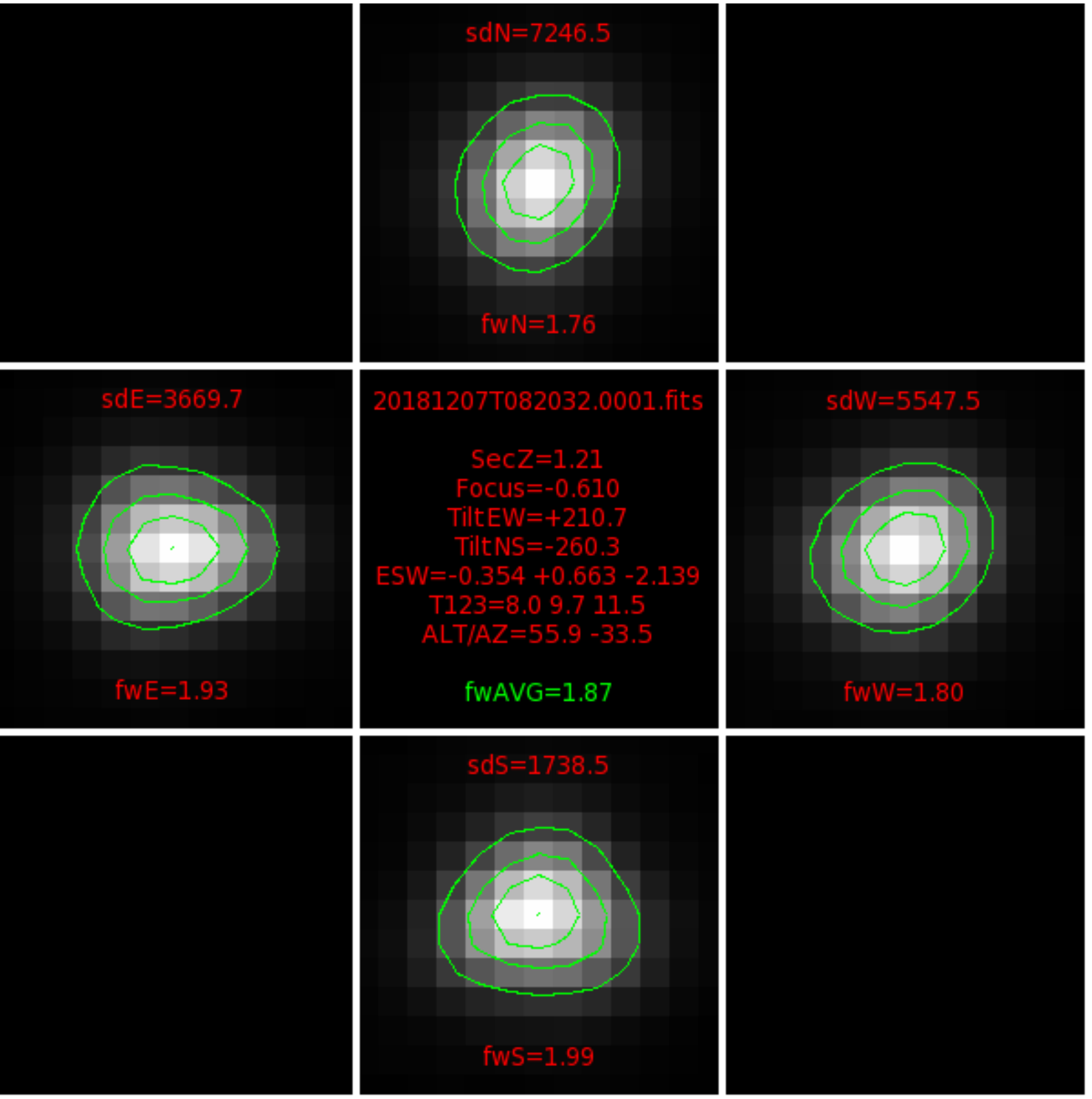
sdN=7246.5
fwN=1.76
sdE=3669.7
fwE=1.93
20181207T082032.0001.fits
SecZ=1.21
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.0 9.7 11.5
ALT/AZ=55.9 -33.5
fwAVG=1.87
sdW=5547.5
fwW=1.80
sdS=1738.5
fwS=1.99
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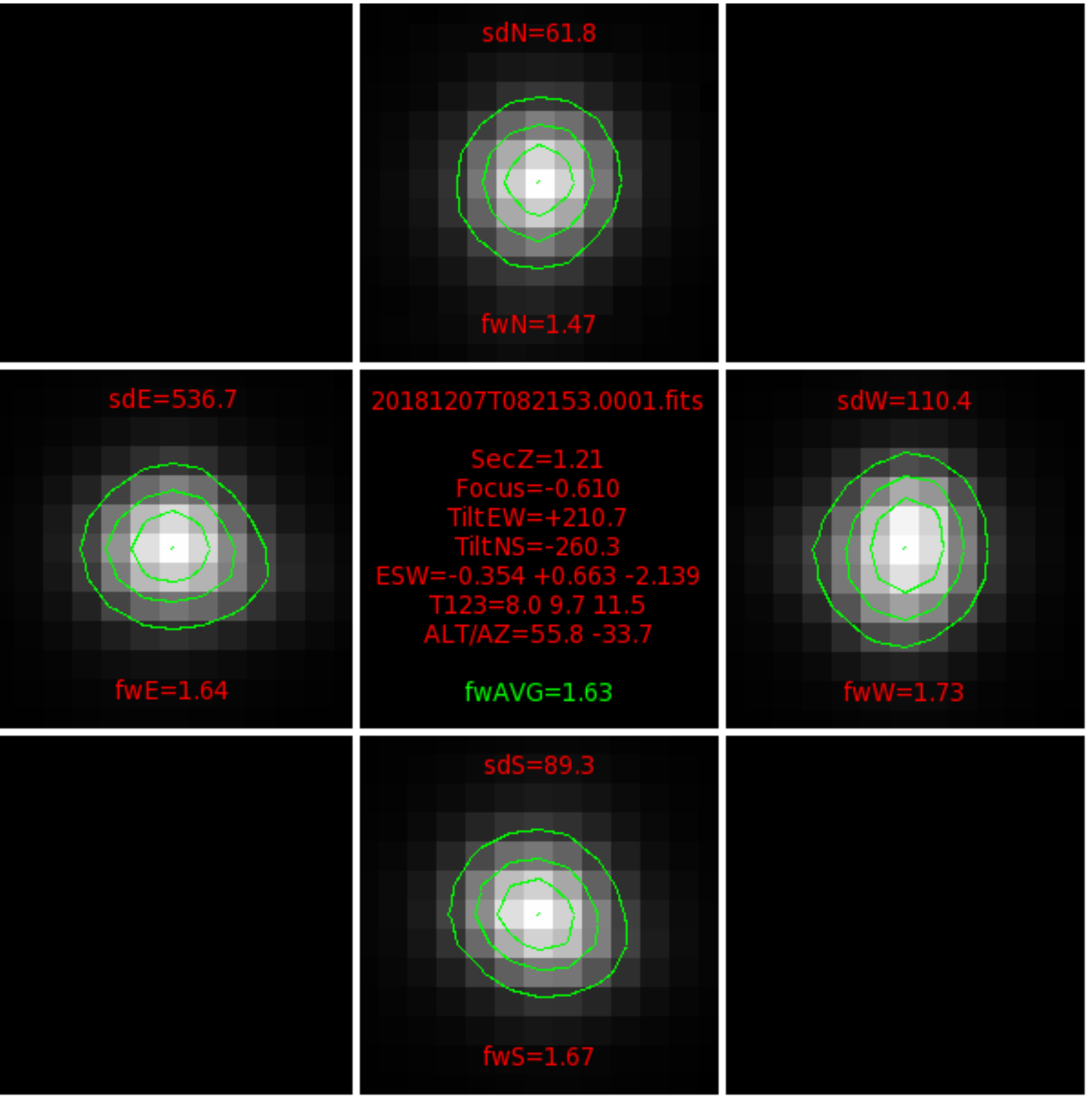
sdN=61.8
fwN=1.47
sdE=536.7
fwE=1.64
20181207T082153.0001.fits
SecZ=1.21
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.0 9.7 11.5
ALT/AZ=55.8 -33.7
fwAVG=1.63
sdW=110.4
fwW=1.73
sdS=89.3
fwS=1.67
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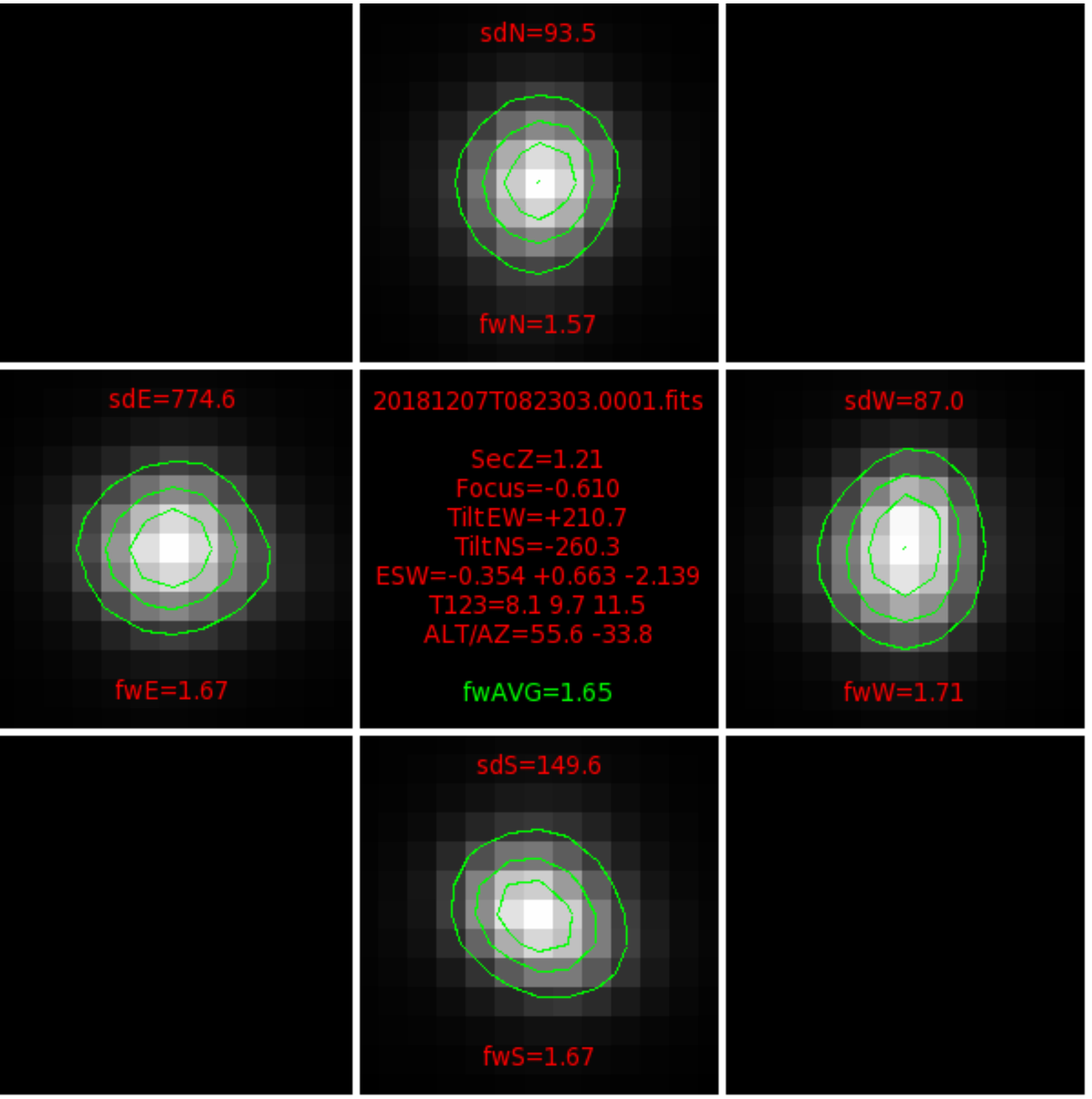
sdN=93.5
fwN=1.57
sdE=774.6
fwE=1.67
20181207T082303.0001.fits
SecZ=1.21
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.1 9.7 11.5
ALT/AZ=55.6 -33.8
fwAVG=1.65
sdW=87.0
fwW=1.71
sdS=149.6
fwS=1.67
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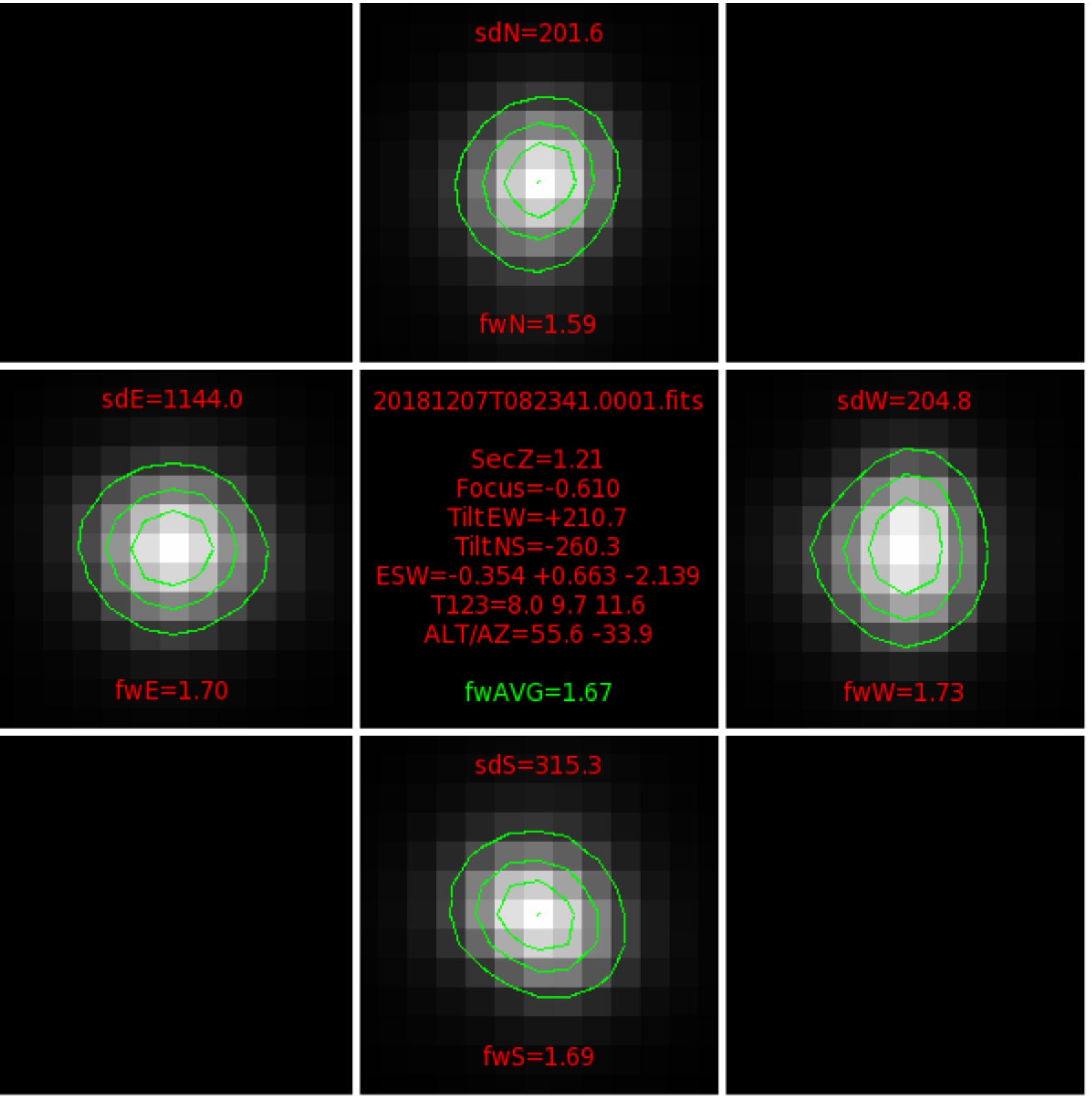
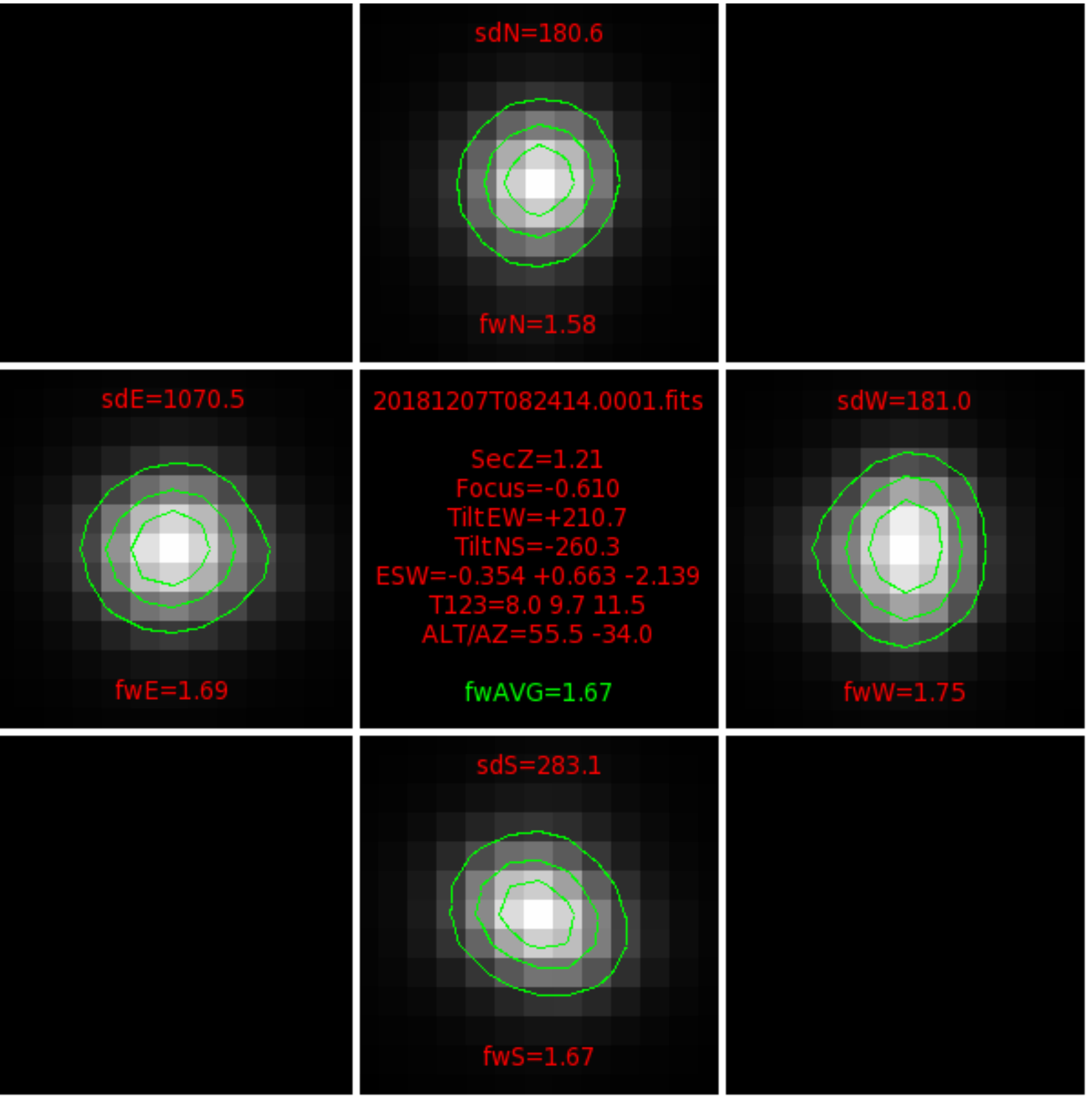

sdN=201.6
fwN=1.59
sdE=1144.0
fwE=1.70
20181207T082341.0001.fits
SecZ=1.21
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.0 9.7 11.6
ALT/AZ=55.6 -33.9
fwAVG=1.67
sdW=204.8
fwW=1.73
sdS=315.3
fwS=1.69
0 0 0 0 0 0 0 0 0


sdN=180.6
fwN=1.58
sdE=1070.5
fwE=1.69
20181207T082414.0001.fits
SecZ=1.21
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.0 9.7 11.5
ALT/AZ=55.5 -34.0
fwAVG=1.67
sdW=181.0
fwW=1.75
sdS=283.1
fwS=1.67
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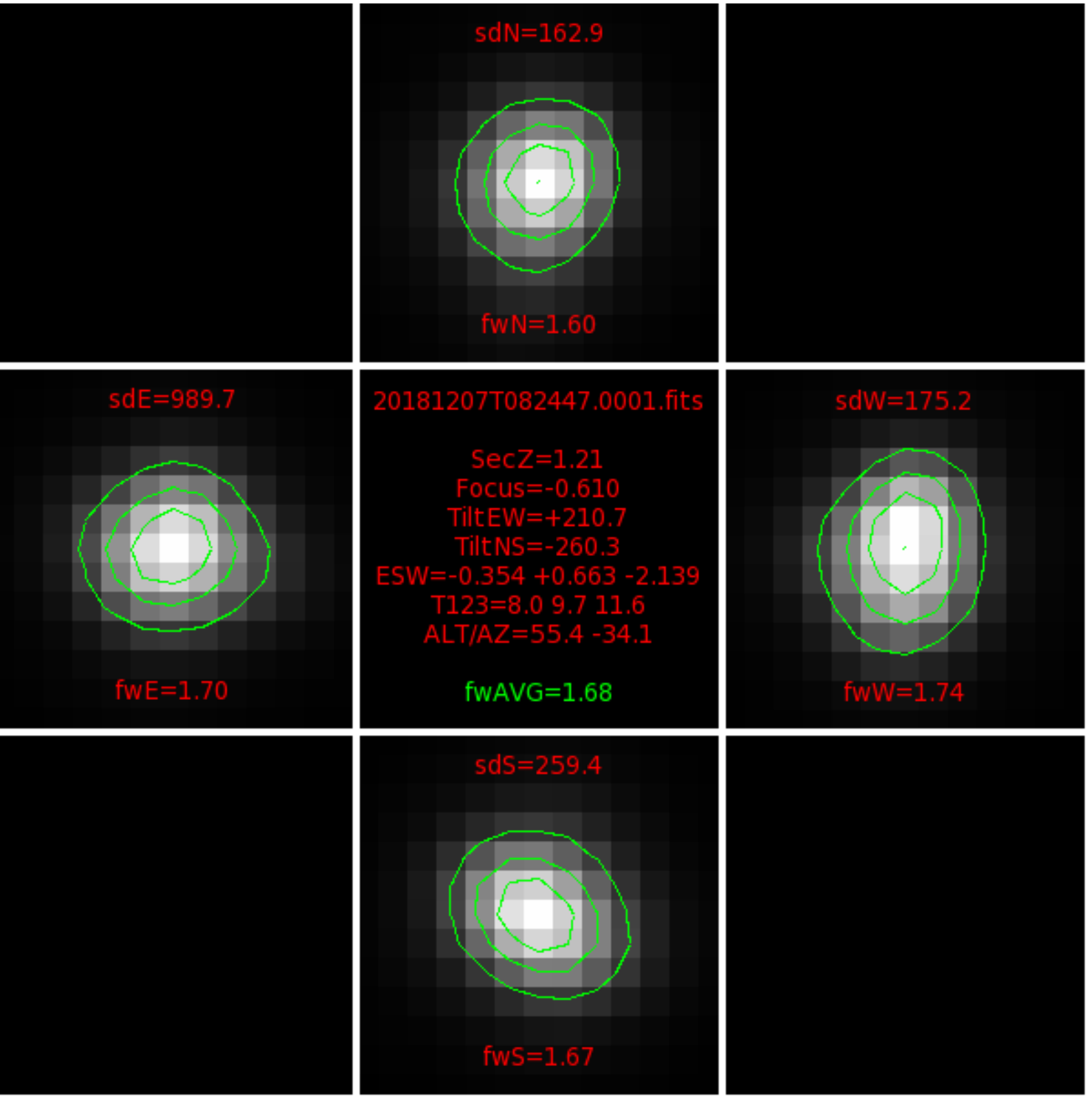
sdN=162.9
fwN=1.60
sdE=989.7
fwE=1.70
20181207T082447.0001.fits
SecZ=1.21
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.0 9.7 11.6
ALT/AZ=55.4 -34.1
fwAVG=1.68
sdW=175.2
fwW=1.74
sdS=259.4
fwS=1.67
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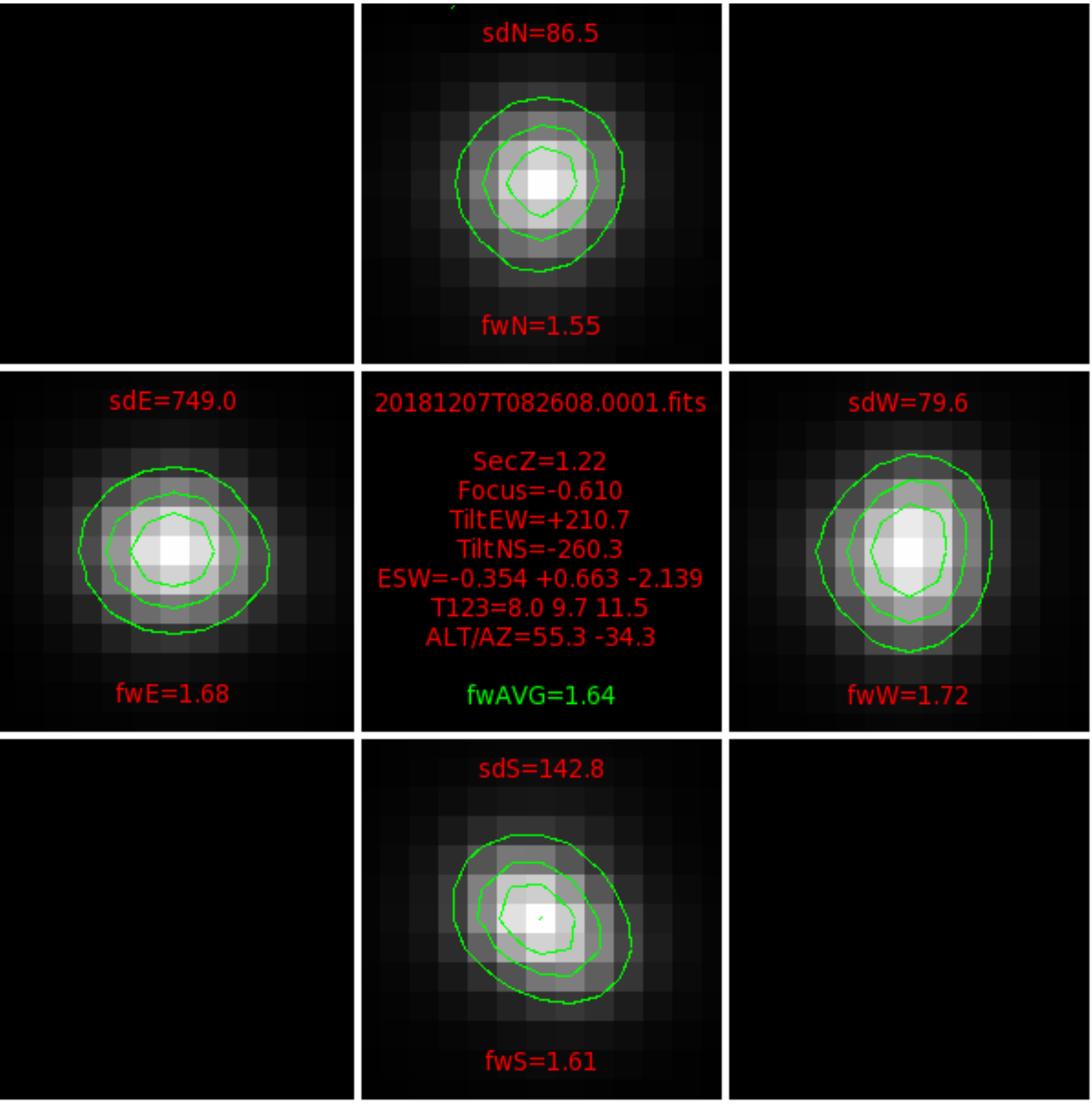
sdN=86.5
fwN=1.55
sdE=749.0
fwE=1.68
20181207T082608.0001.fits
SecZ=1.22
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.0 9.7 11.5
ALT/AZ=55.3 -34.3
fwAVG=1.64
sdW=79.6
fwW=1.72
sdS=142.8
fwS=1.61
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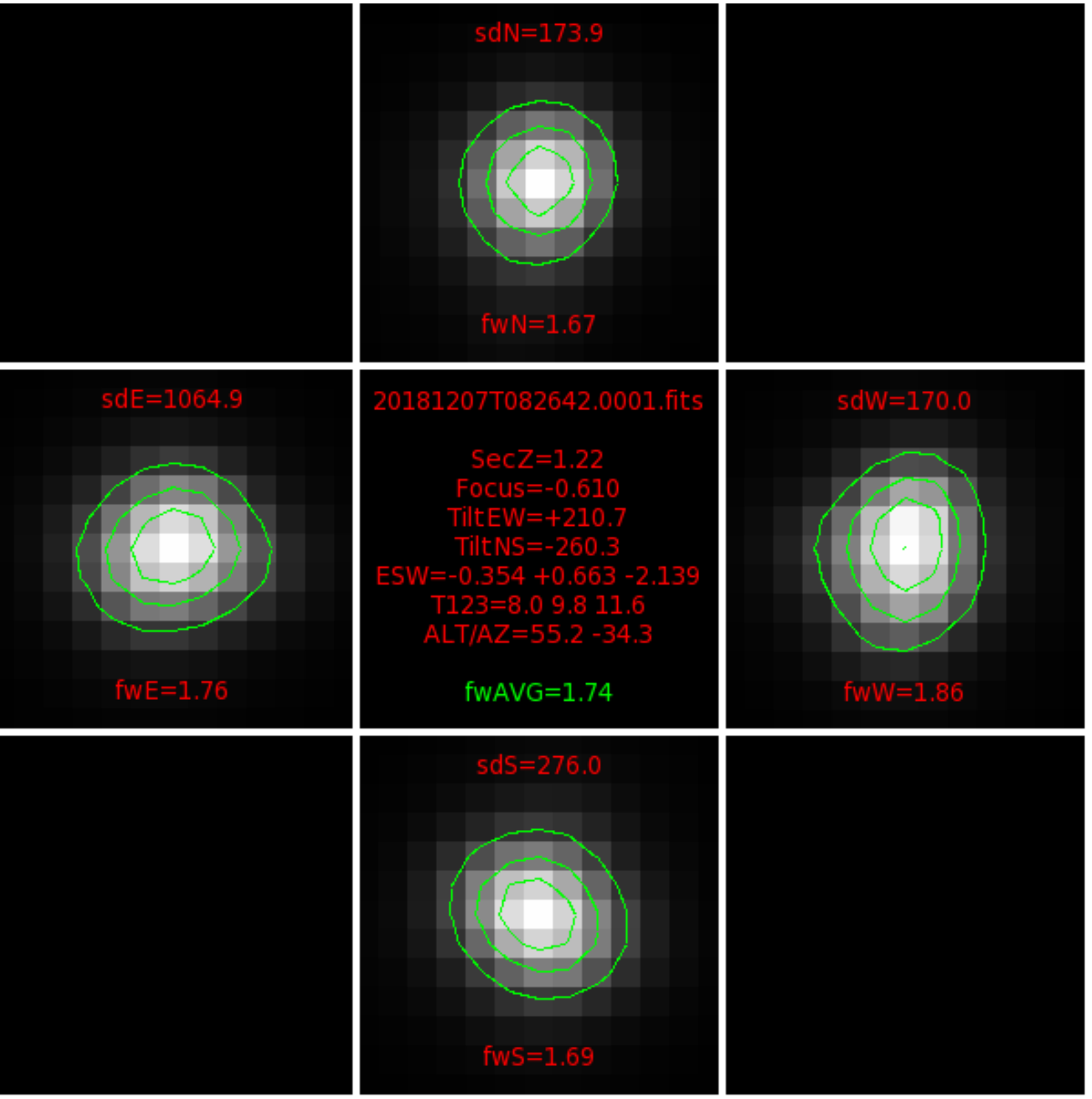
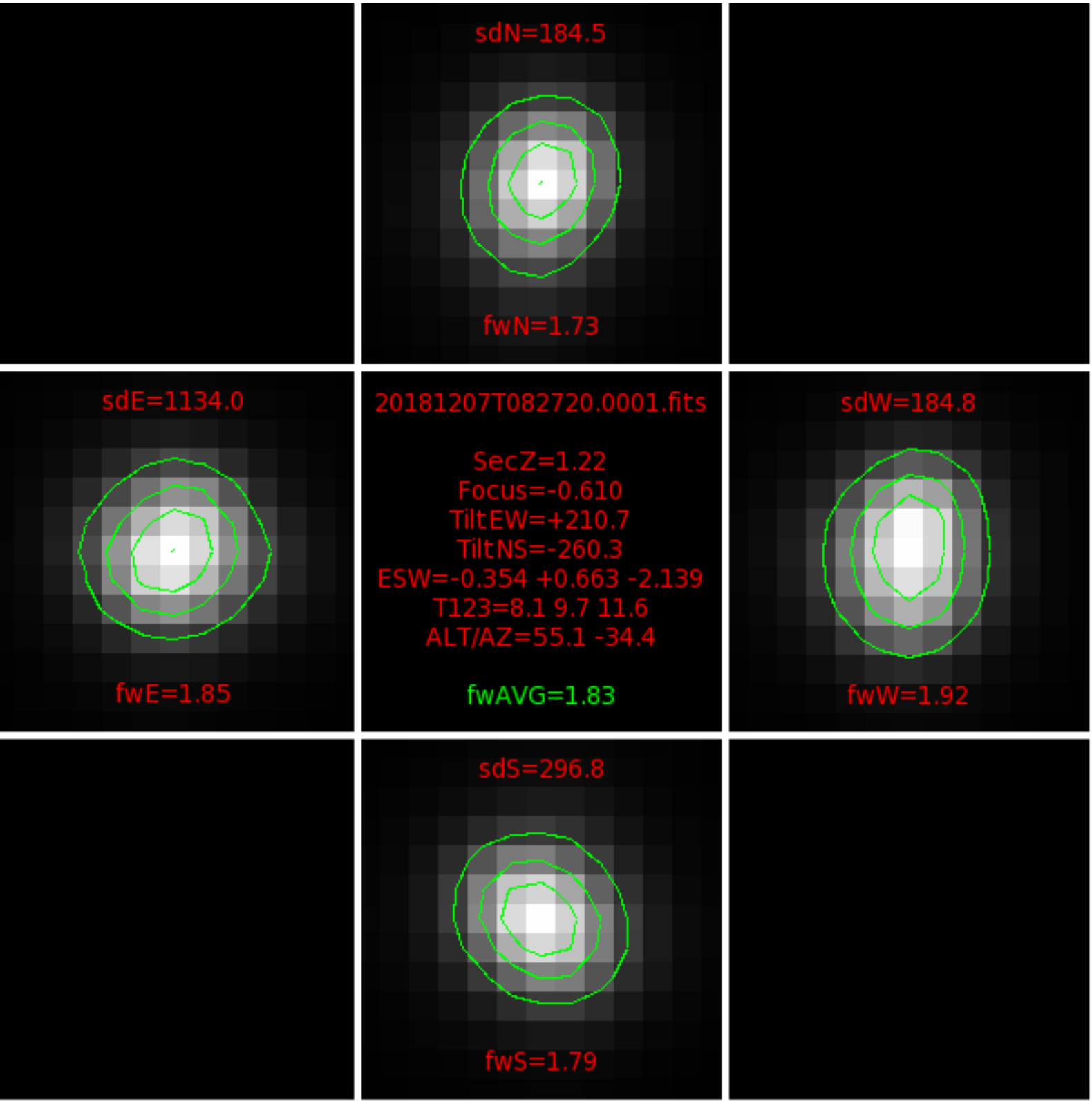

sdN=173.9
fwN=1.67
sdE=1064.9
fwE=1.76
20181207T082642.0001.fits
SecZ=1.22
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.0 9.8 11.6
ALT/AZ=55.2 -34.3
fwAVG=1.74
sdW=170.0
fwW=1.86
sdS=276.0
fwS=1.69
0 0 0 0 0 0 0 0 0


sdN=184.5
fwN=1.73
sdE=1134.0
fwE=1.85
20181207T082720.0001.fits
SecZ=1.22
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.1 9.7 11.6
ALT/AZ=55.1 -34.4
fwAVG=1.83
sdW=184.8
fwW=1.92
sdS=296.8
fwS=1.79
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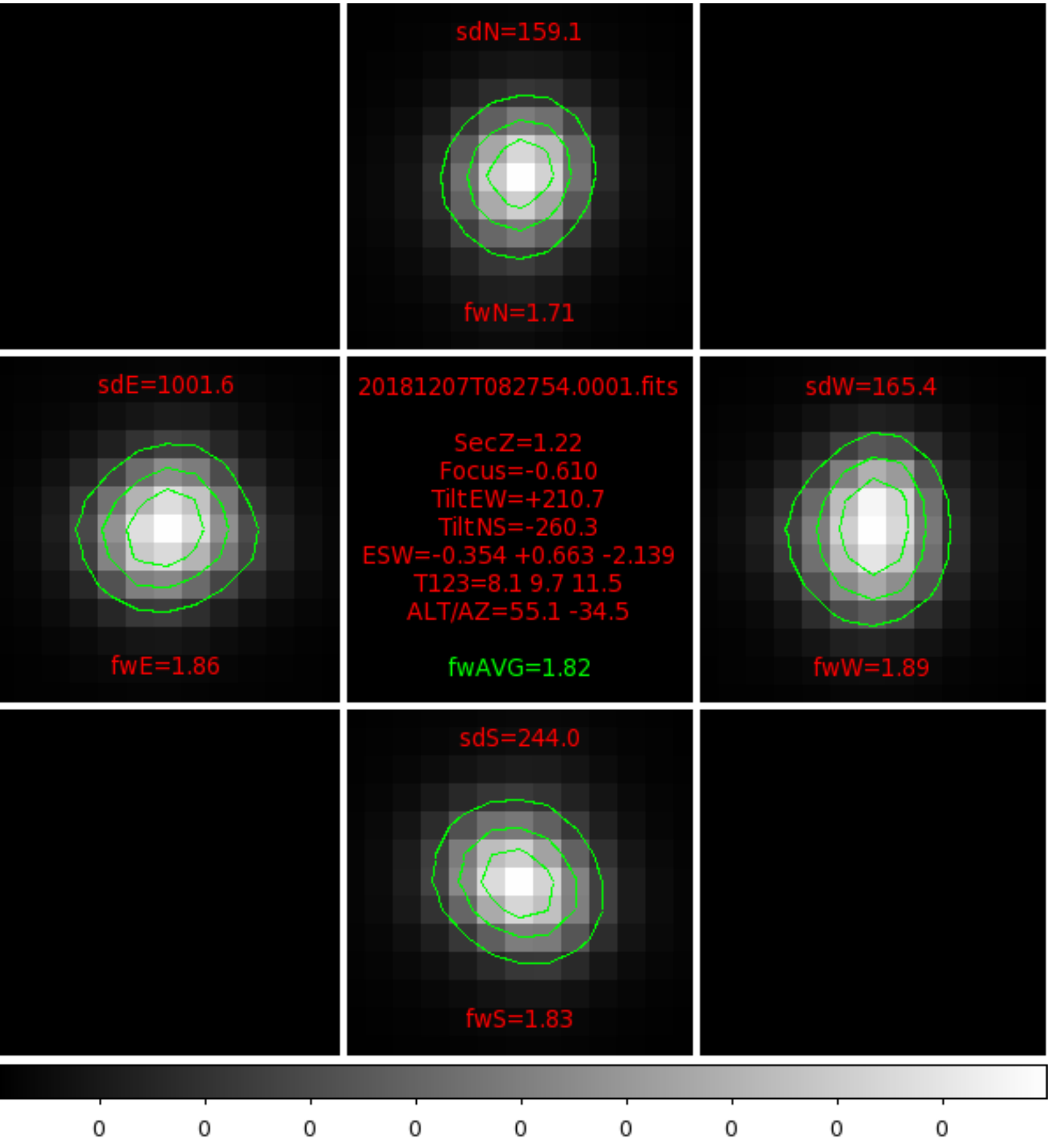
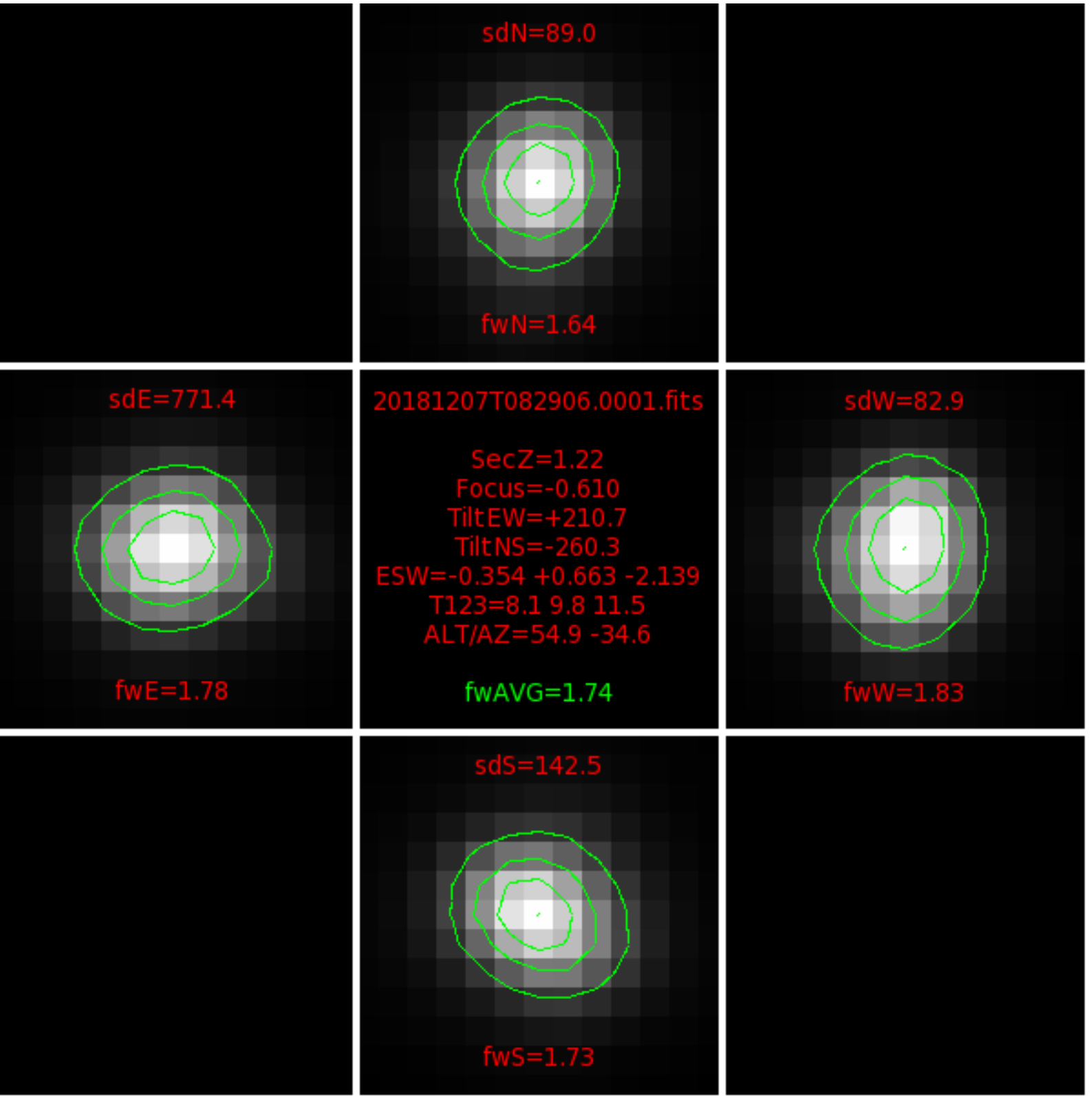
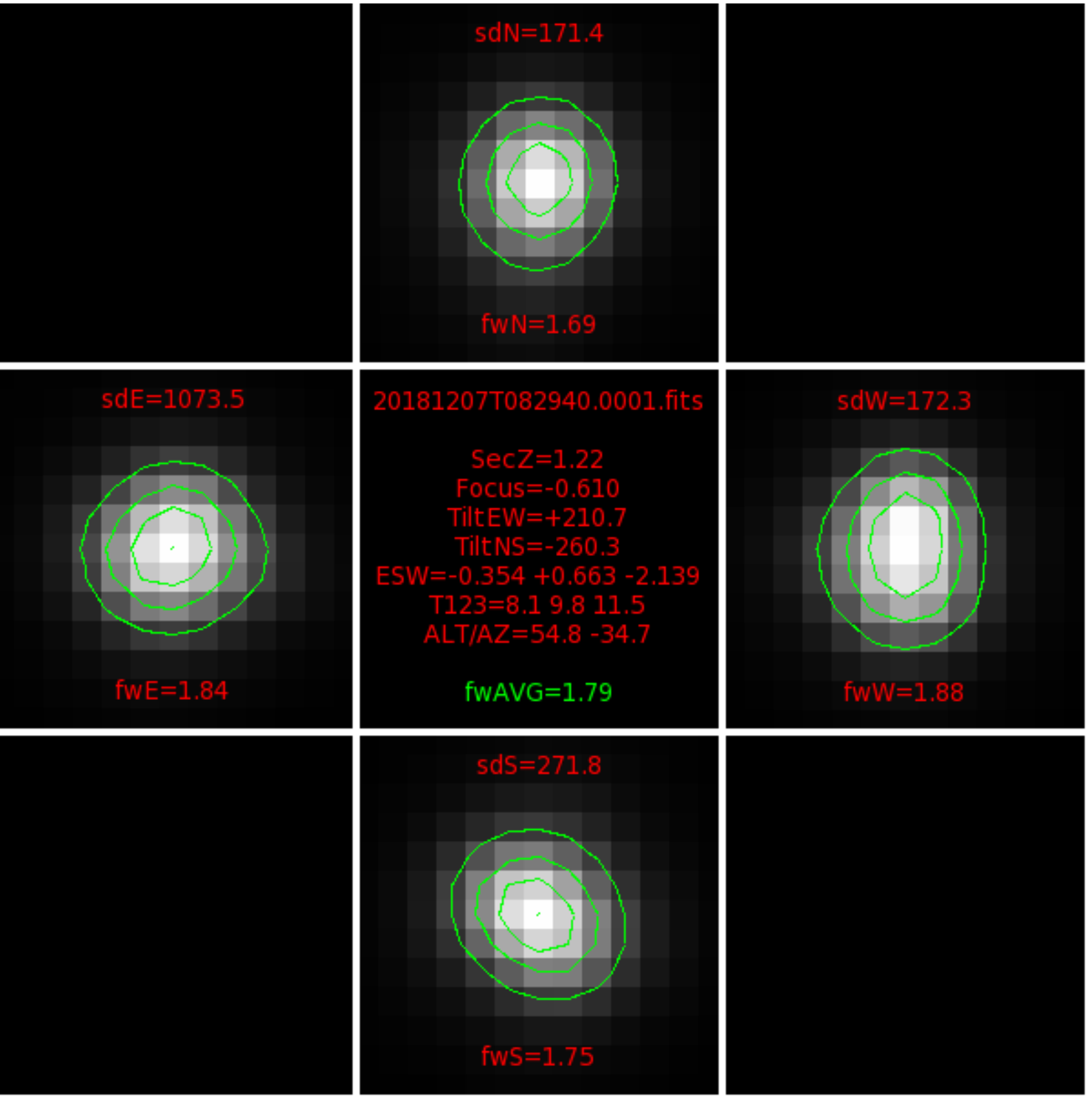

sdN=159.1
fwN=1.71
sdE=1001.6
fwE=1.86
20181207T082754.0001.fits
SecZ=1.22
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.1 9.7 11.5
ALT/AZ=55.1 -34.5
fwAVG=1.82
sdW=165.4
fwW=1.89
sdS=244.0
fwS=1.83
0 0 0 0 0 0 0 0 0


sdN=89.0
fwN=1.64
sdE=771.4
fwE=1.78
20181207T082906.0001.fits
SecZ=1.22
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.1 9.8 11.5
ALT/AZ=54.9 -34.6
fwAVG=1.74
sdW=82.9
fwW=1.83
sdS=142.5
fwS=1.73
0 0 0 0 0 0 0 0 0


sdN=171.4
fwN=1.69
sdE=1073.5
fwE=1.84
20181207T082940.0001.fits
SecZ=1.22
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.1 9.8 11.5
ALT/AZ=54.8 -34.7
fwAVG=1.79
sdW=172.3
fwW=1.88
sdS=271.8
fwS=1.75
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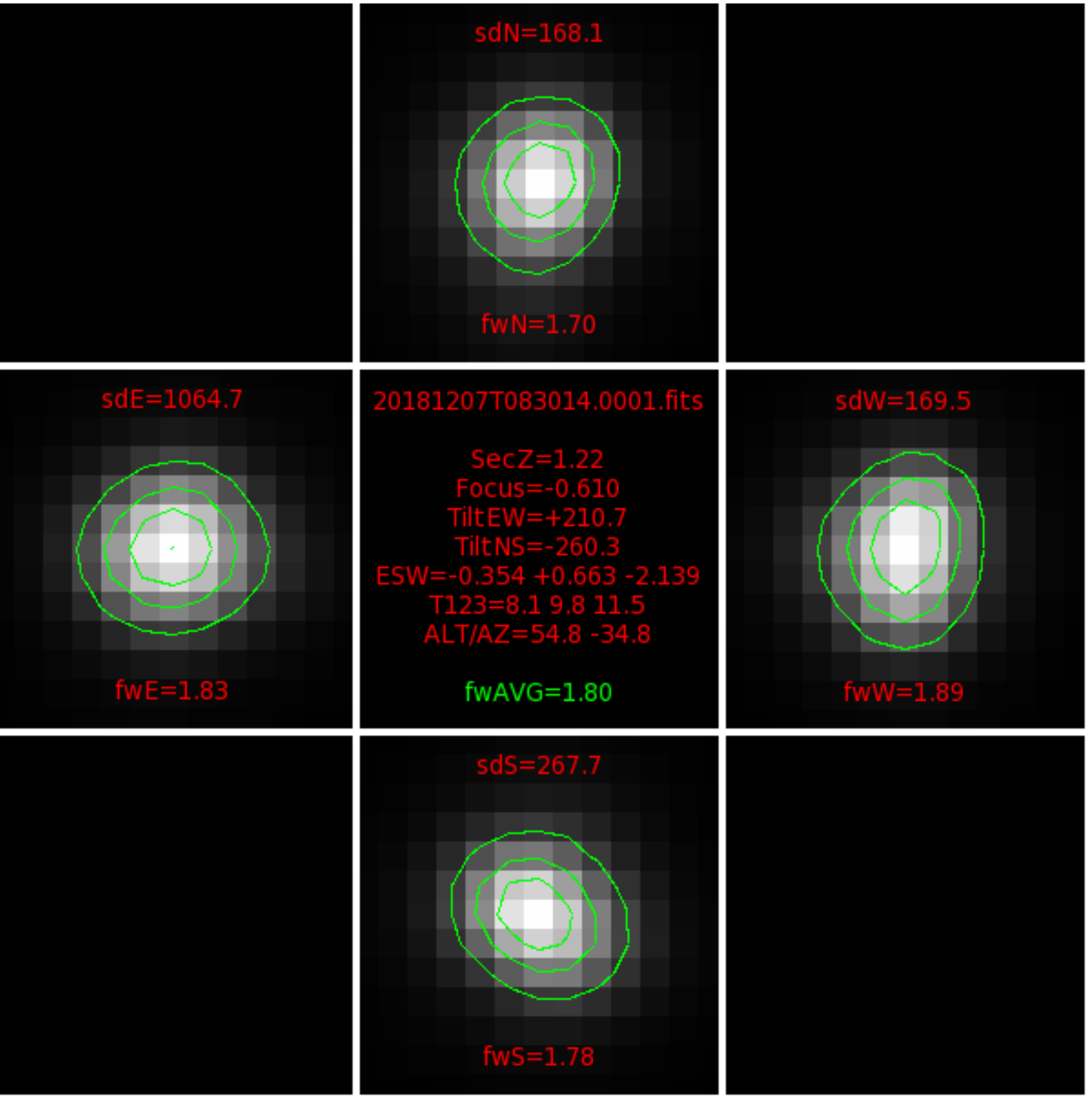
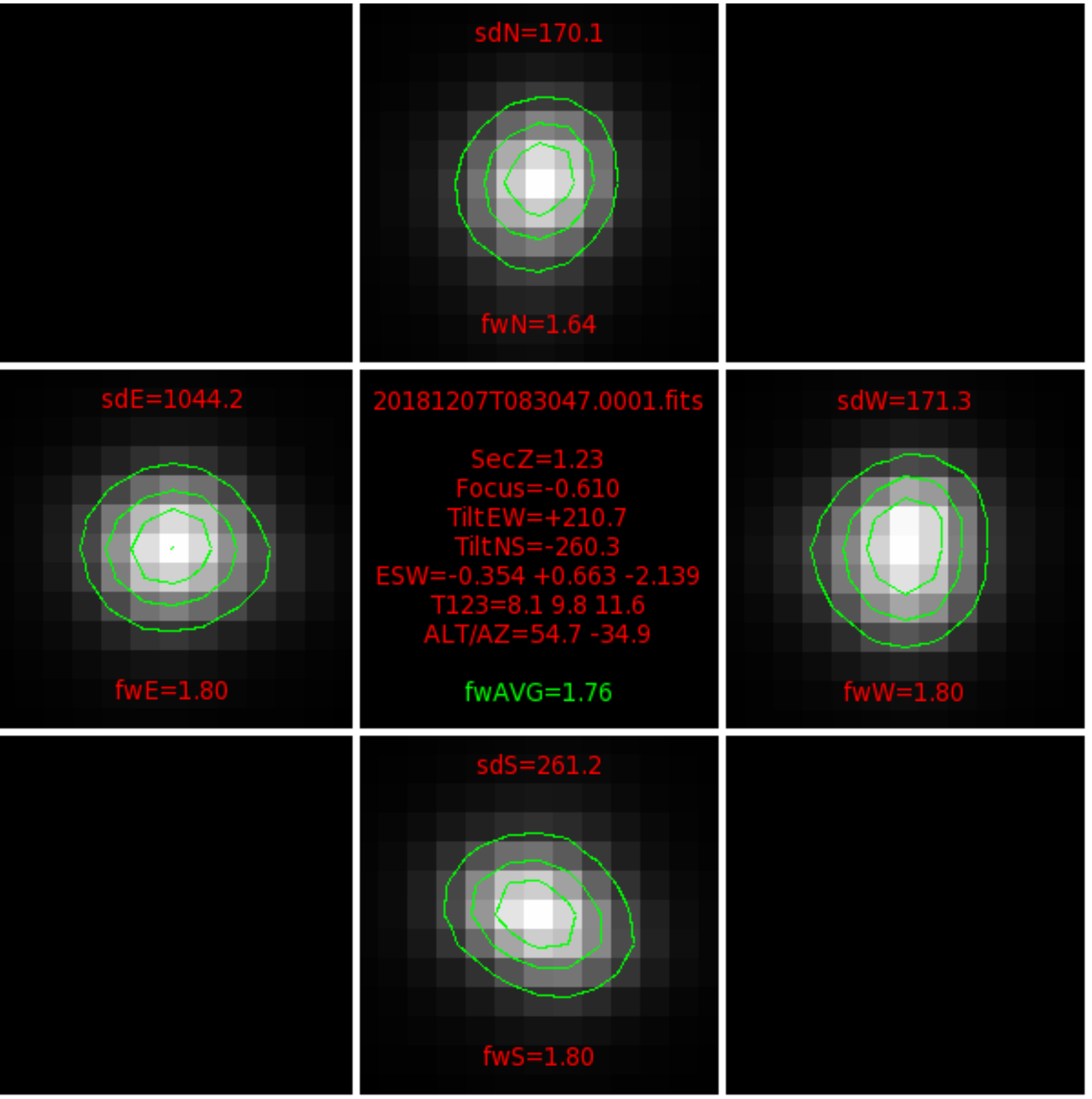
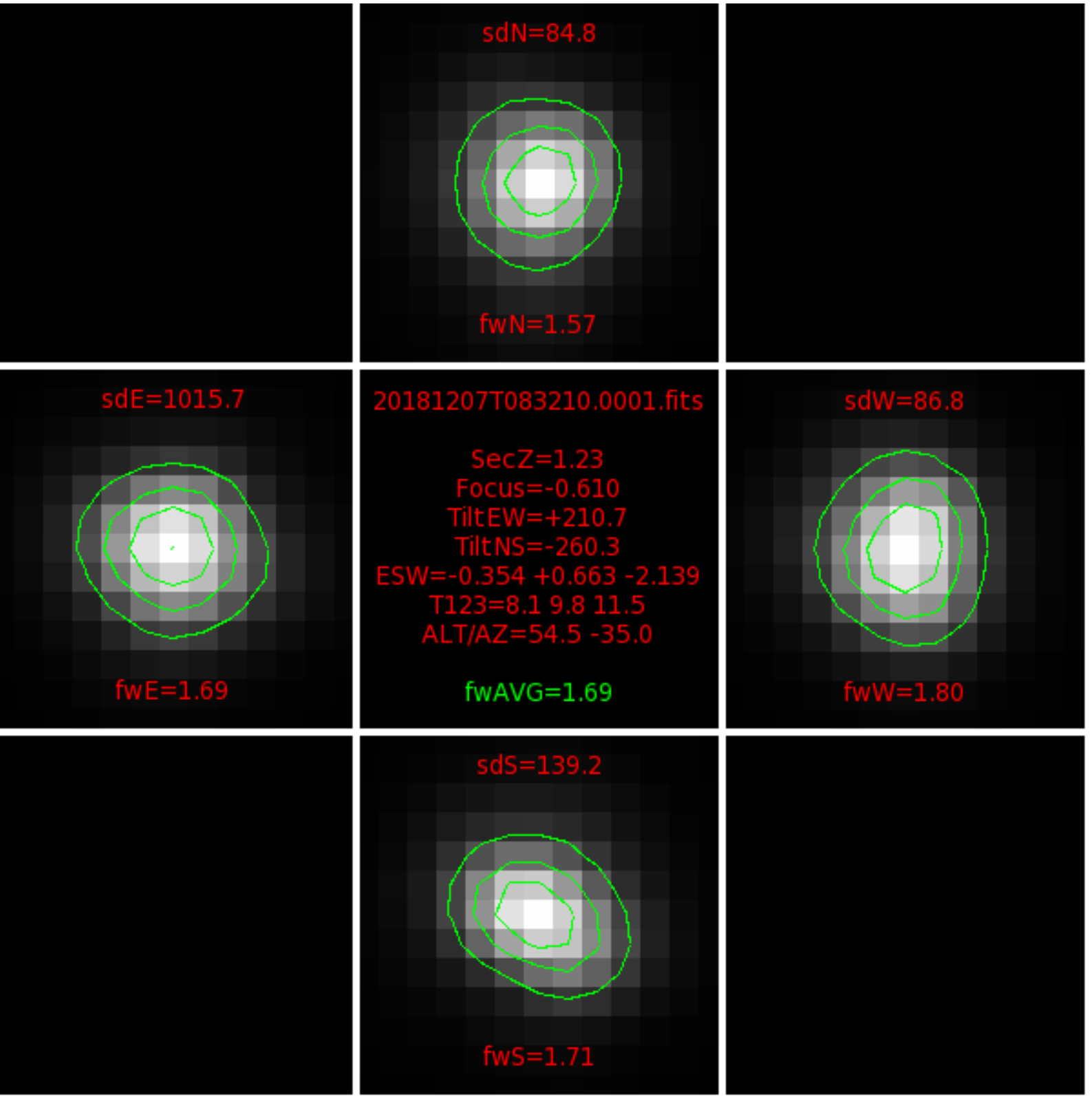

sdN=168.1
fwN=1.70
sdE=1064.7
fwE=1.83
20181207T083014.0001.fits
SecZ=1.22
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.1 9.8 11.5
ALT/AZ=54.8 -34.8
fwAVG=1.80
sdW=169.5
fwW=1.89
sdS=267.7
fwS=1.78
0 0 0 0 0 0 0 0 0


sdN=170.1
fwN=1.64
sdE=1044.2
fwE=1.80
20181207T083047.0001.fits
SecZ=1.23
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.1 9.8 11.6
ALT/AZ=54.7 -34.9
fwAVG=1.76
sdW=171.3
fwW=1.80
sdS=261.2
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=84.8
fwN=1.57
sdE=1015.7
fwE=1.69
20181207T083210.0001.fits
SecZ=1.23
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.1 9.8 11.5
ALT/AZ=54.5 -35.0
fwAVG=1.69
sdW=86.8
fwW=1.80
sdS=139.2
fwS=1.71
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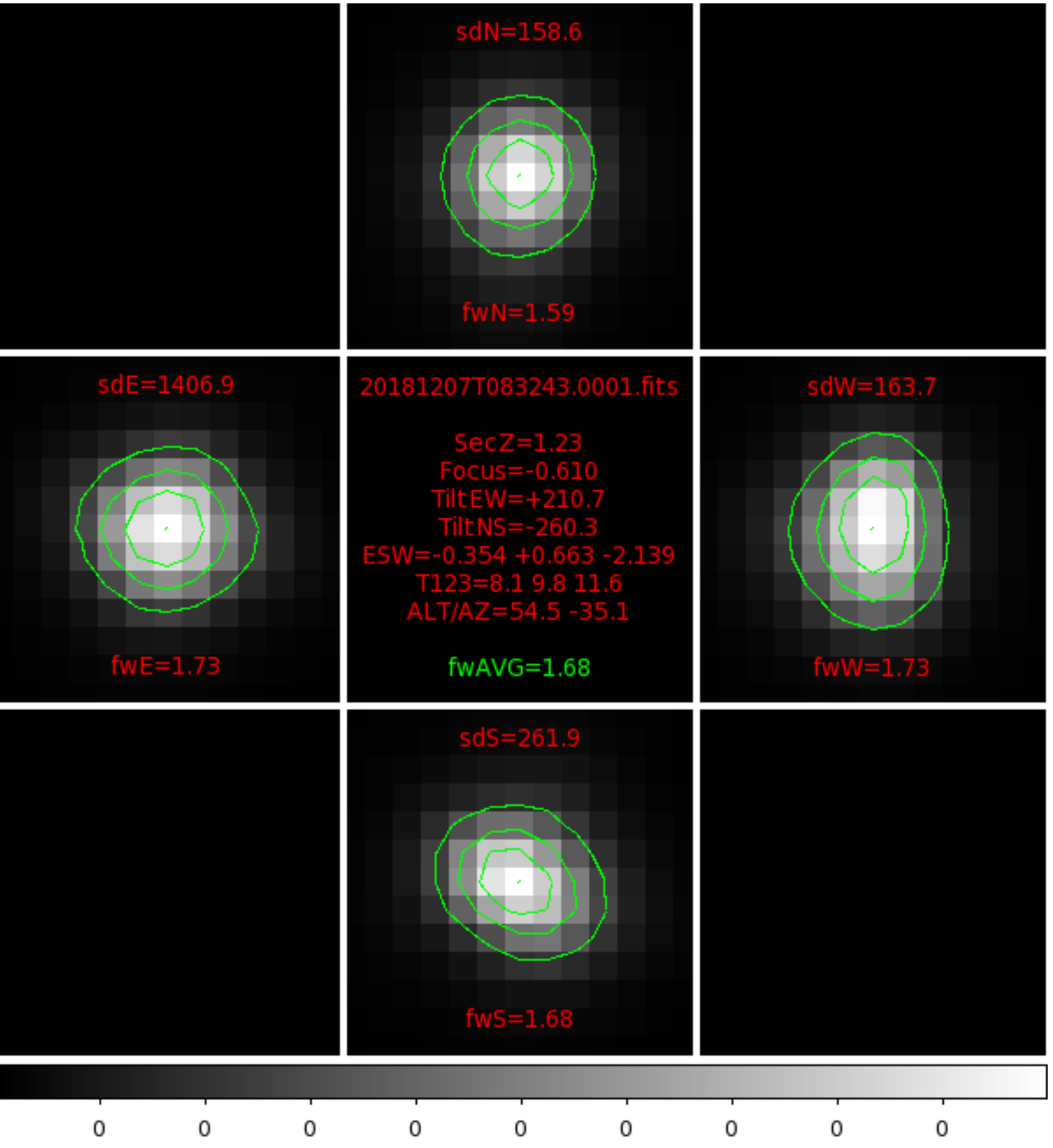
sdN=158.6
fwN=1.59
sdE=1406.9
fwE=1.73
20181207T083243.0001.fits
SecZ=1.23
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.1 9.8 11.6
ALT/AZ=54.5 -35.1
fwAVG=1.68
sdW=163.7
fwW=1.73
sdS=261.9
fwS=1.68
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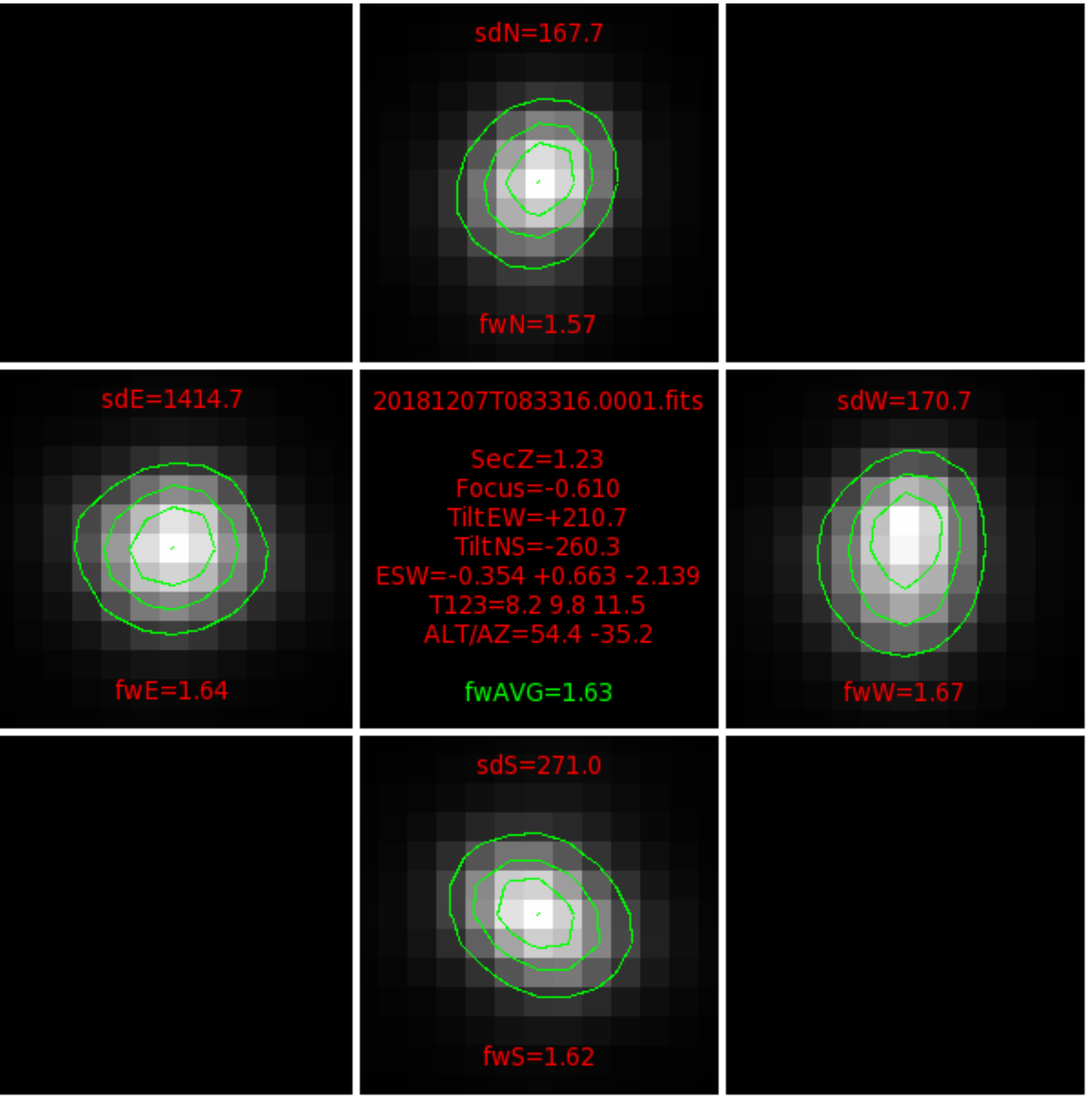
sdN=167.7
fwN=1.57
sdE=1414.7
fwE=1.64
20181207T083316.0001.fits
SecZ=1.23
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.2 9.8 11.5
ALT/AZ=54.4 -35.2
fwAVG=1.63
sdW=170.7
fwW=1.67
sdS=271.0
fwS=1.62
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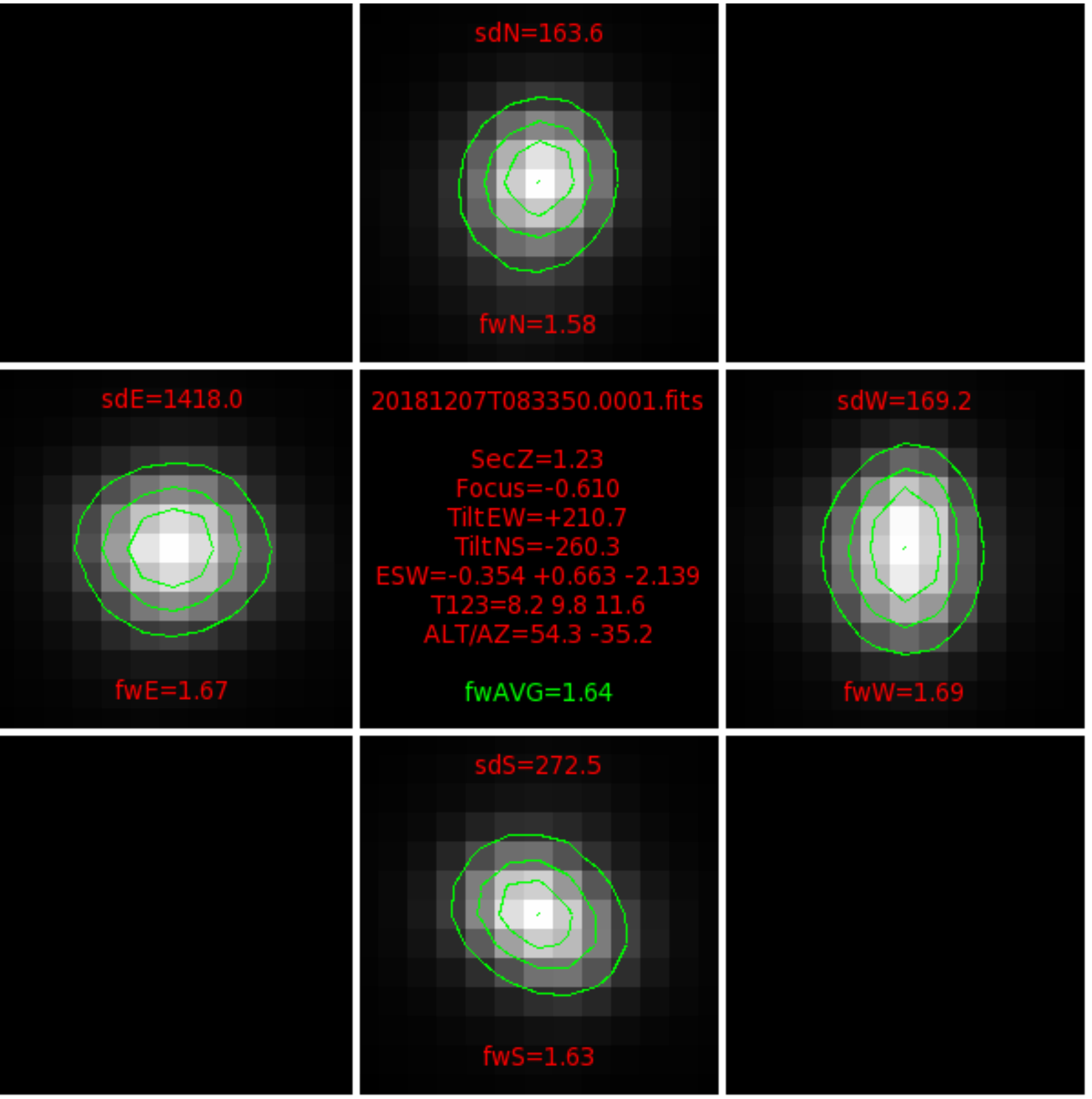
sdN=163.6
fwN=1.58
sdE=1418.0
fwE=1.67
20181207T083350.0001.fits
SecZ=1.23
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.2 9.8 11.6
ALT/AZ=54.3 -35.2
fwAVG=1.64
sdW=169.2
fwW=1.69
sdS=272.5
fwS=1.63
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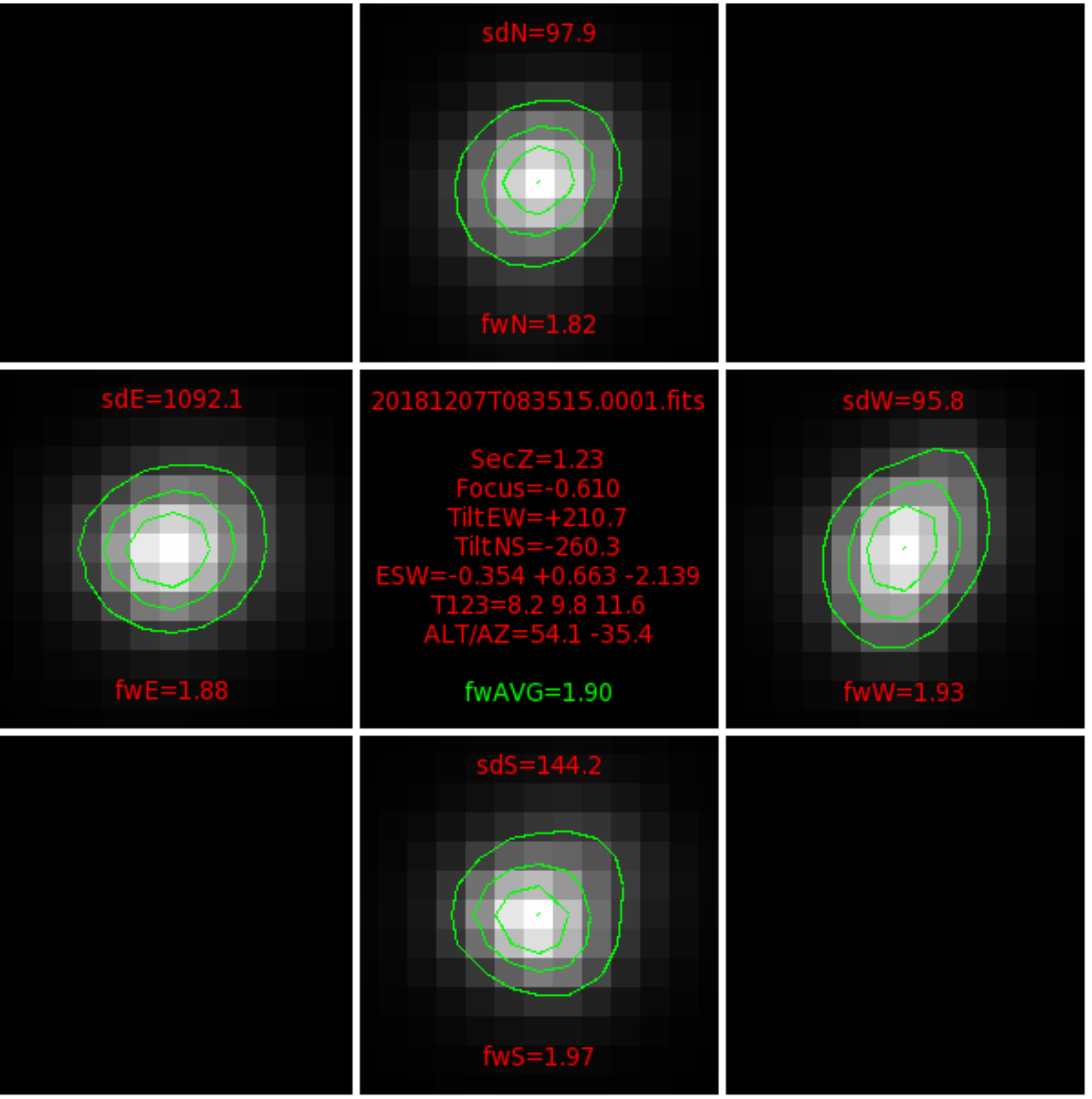
sdN=97.9
fwN=1.82
sdE=1092.1
fwE=1.88
20181207T083515.0001.fits
SecZ=1.23
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.2 9.8 11.6
ALT/AZ=54.1 -35.4
fwAVG=1.90
sdW=95.8
fwW=1.93
sdS=144.2
fwS=1.97
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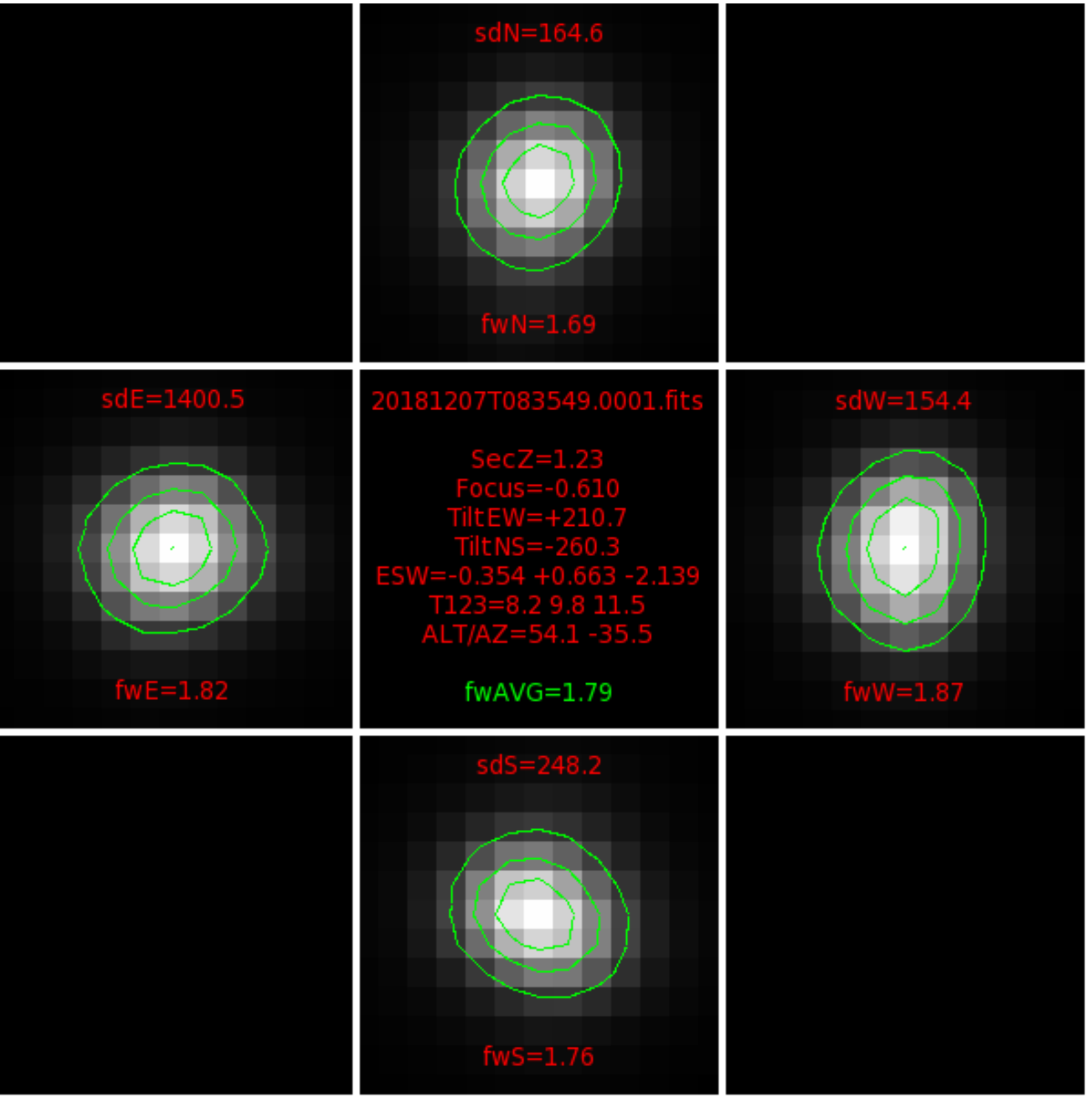
sdN=164.6
fwN=1.69
sdE=1400.5
fwE=1.82
20181207T083549.0001.fits
SecZ=1.23
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.2 9.8 11.5
ALT/AZ=54.1 -35.5
fwAVG=1.79
sdW=154.4
fwW=1.87
sdS=248.2
fwS=1.76
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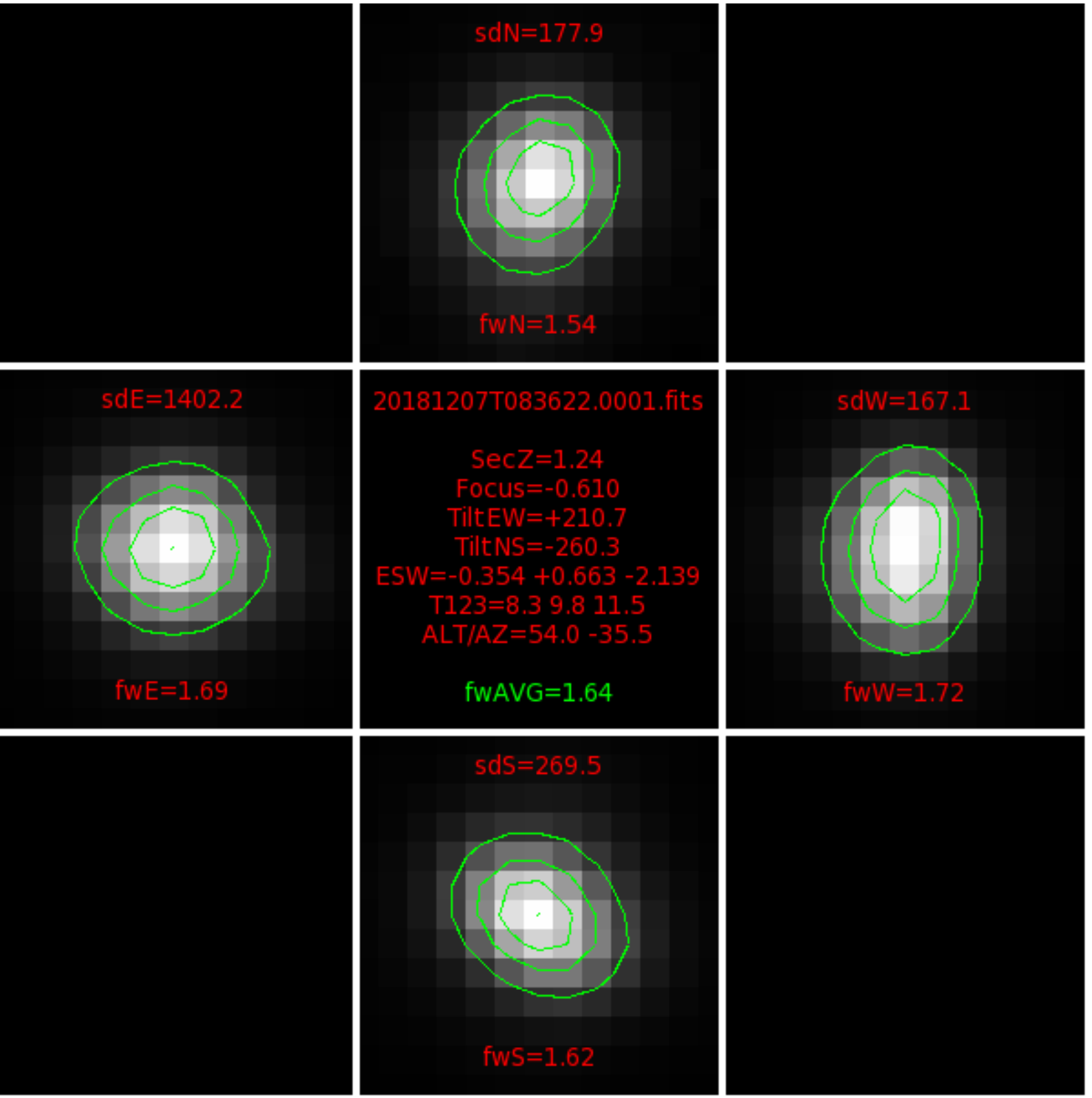
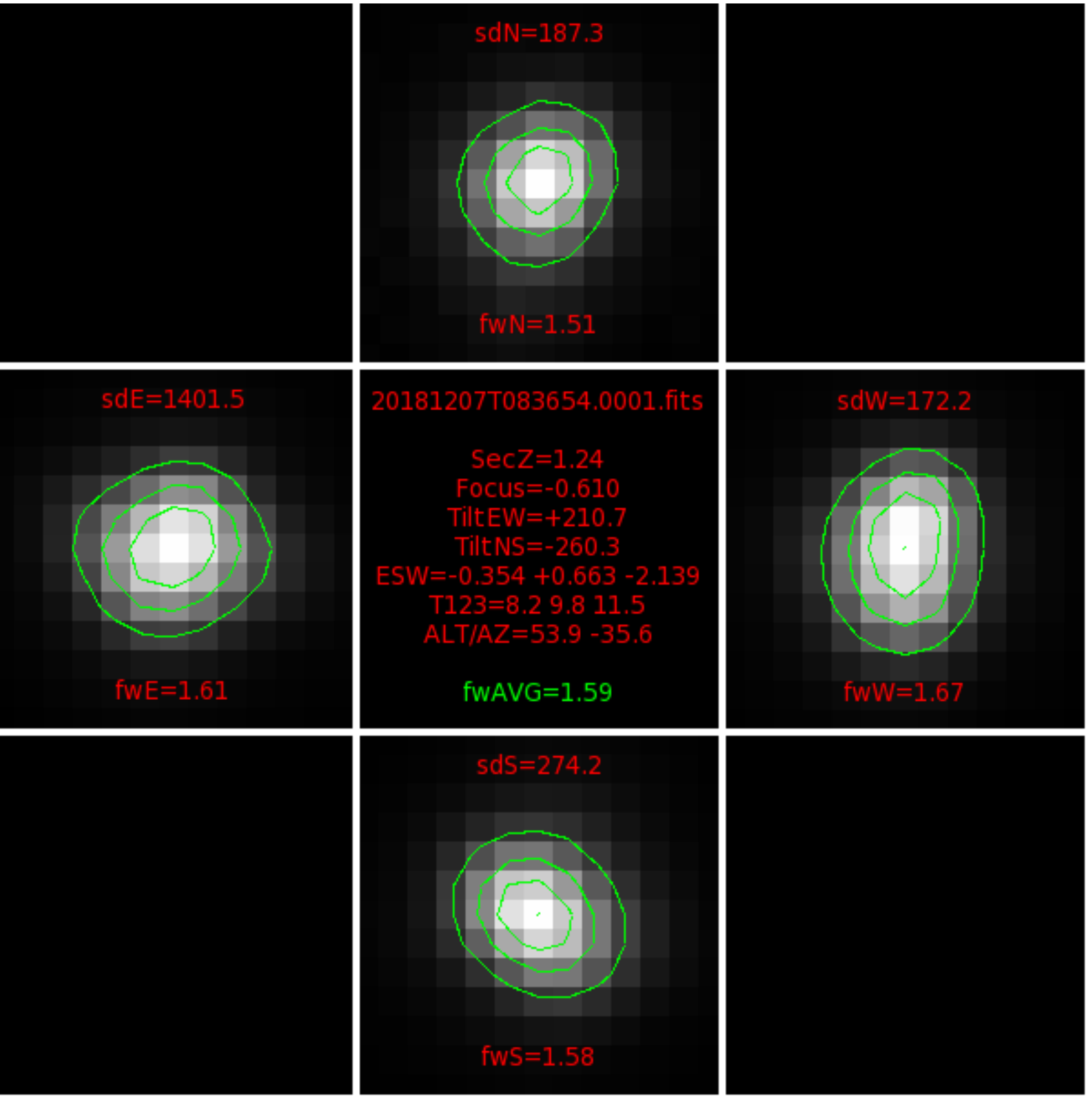

sdN=177.9
fwN=1.54
sdE=1402.2
fwE=1.69
20181207T083622.0001.fits
SecZ=1.24
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.3 9.8 11.5
ALT/AZ=54.0 -35.5
fwAVG=1.64
sdW=167.1
fwW=1.72
sdS=269.5
fwS=1.62
0 0 0 0 0 0 0 0 0


sdN=187.3
fwN=1.51
sdE=1401.5
fwE=1.61
20181207T083654.0001.fits
SecZ=1.24
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.2 9.8 11.5
ALT/AZ=53.9 -35.6
fwAVG=1.59
sdW=172.2
fwW=1.67
sdS=274.2
fwS=1.58
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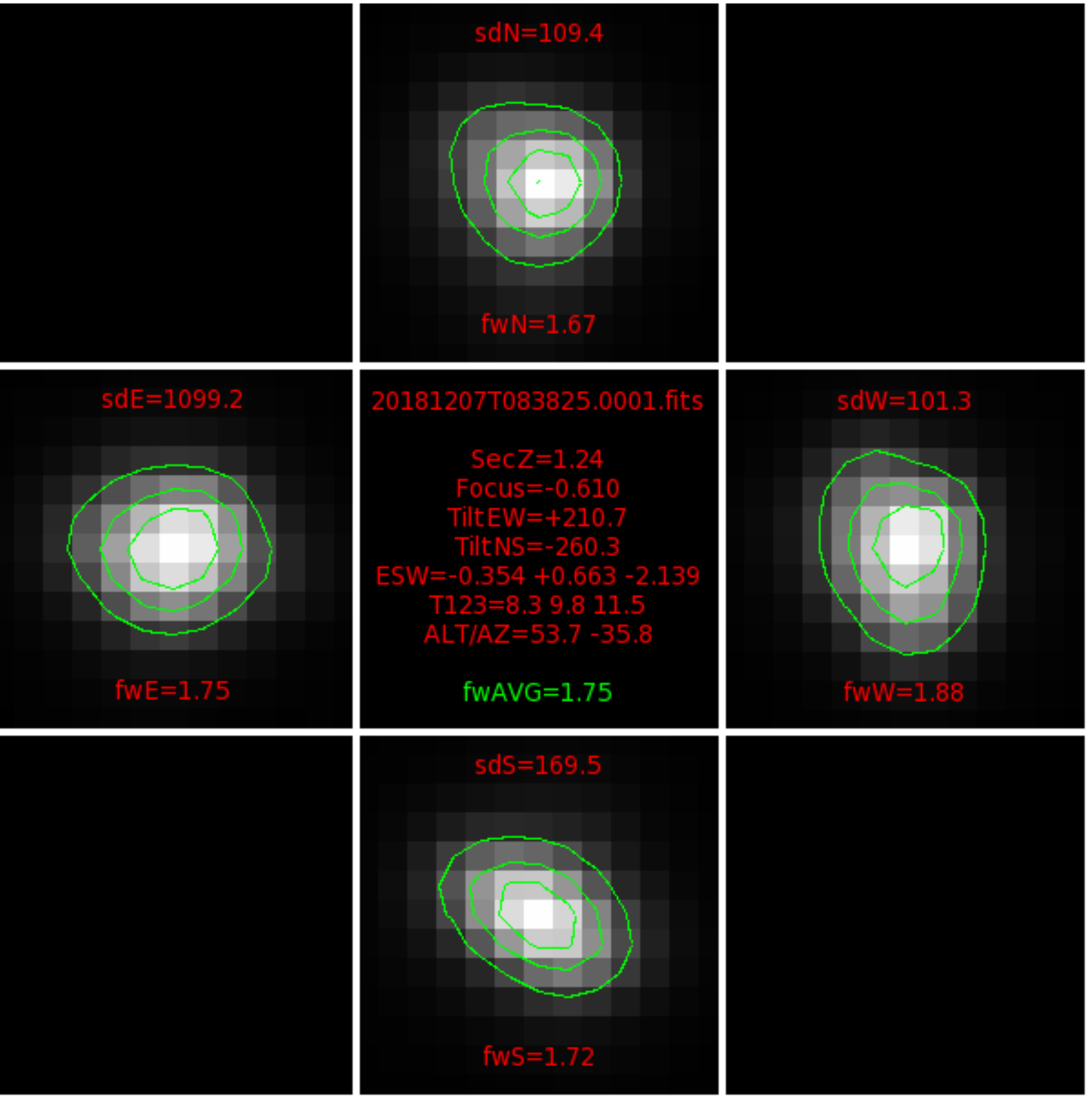
sdN=109.4
fwN=1.67
sdE=1099.2
fwE=1.75
20181207T083825.0001.fits
SecZ=1.24
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.3 9.8 11.5
ALT/AZ=53.7 -35.8
fwAVG=1.75
sdW=101.3
fwW=1.88
sdS=169.5
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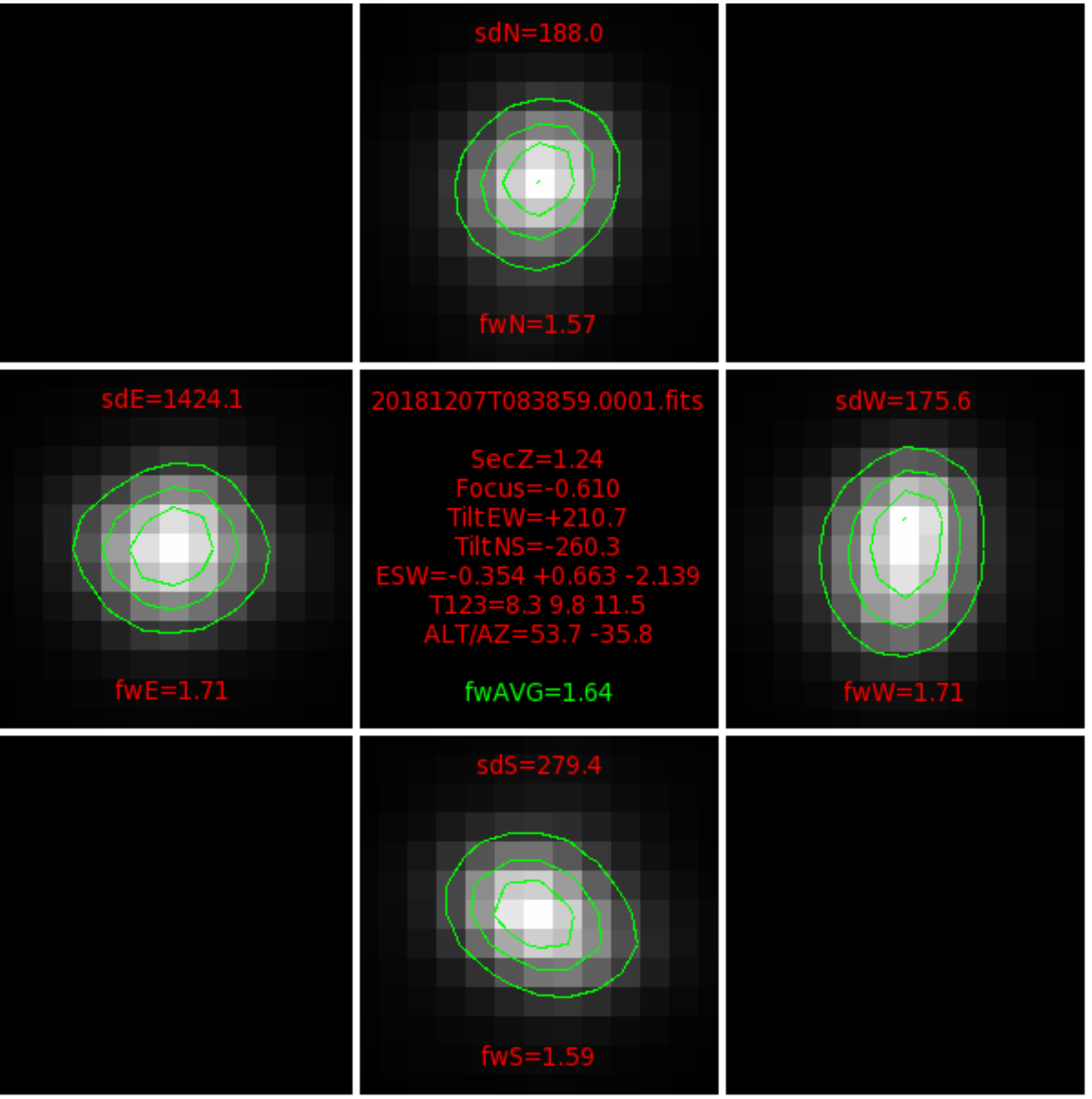
sdN=188.0
fwN=1.57
sdE=1424.1
fwE=1.71
20181207T083859.0001.fits
SecZ=1.24
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.3 9.8 11.5
ALT/AZ=53.7 -35.8
fwAVG=1.64
sdW=175.6
fwW=1.71
sdS=279.4
fwS=1.59
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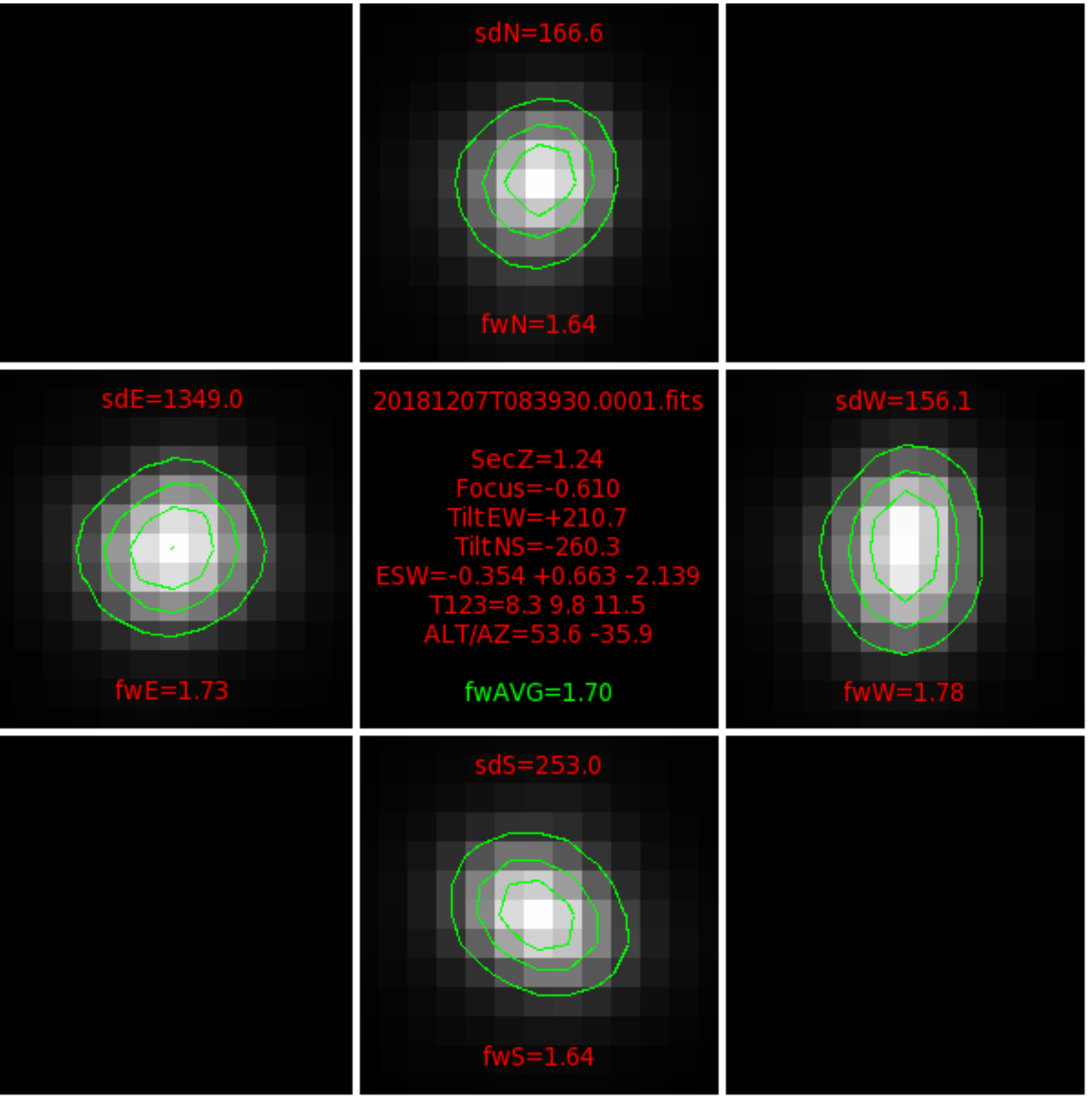
sdN=166.6
fwN=1.64
sdE=1349.0
fwE=1.73
20181207T083930.0001.fits
SecZ=1.24
Focus=-0.610
TiltEW=+210.7
TiltNS=-260.3
ESW=-0.354 +0.663 -2.139
T123=8.3 9.8 11.5
ALT/AZ=53.6 -35.9
fwAVG=1.70
sdW=156.1
fwW=1.78
sdS=253.0
fwS=1.64
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