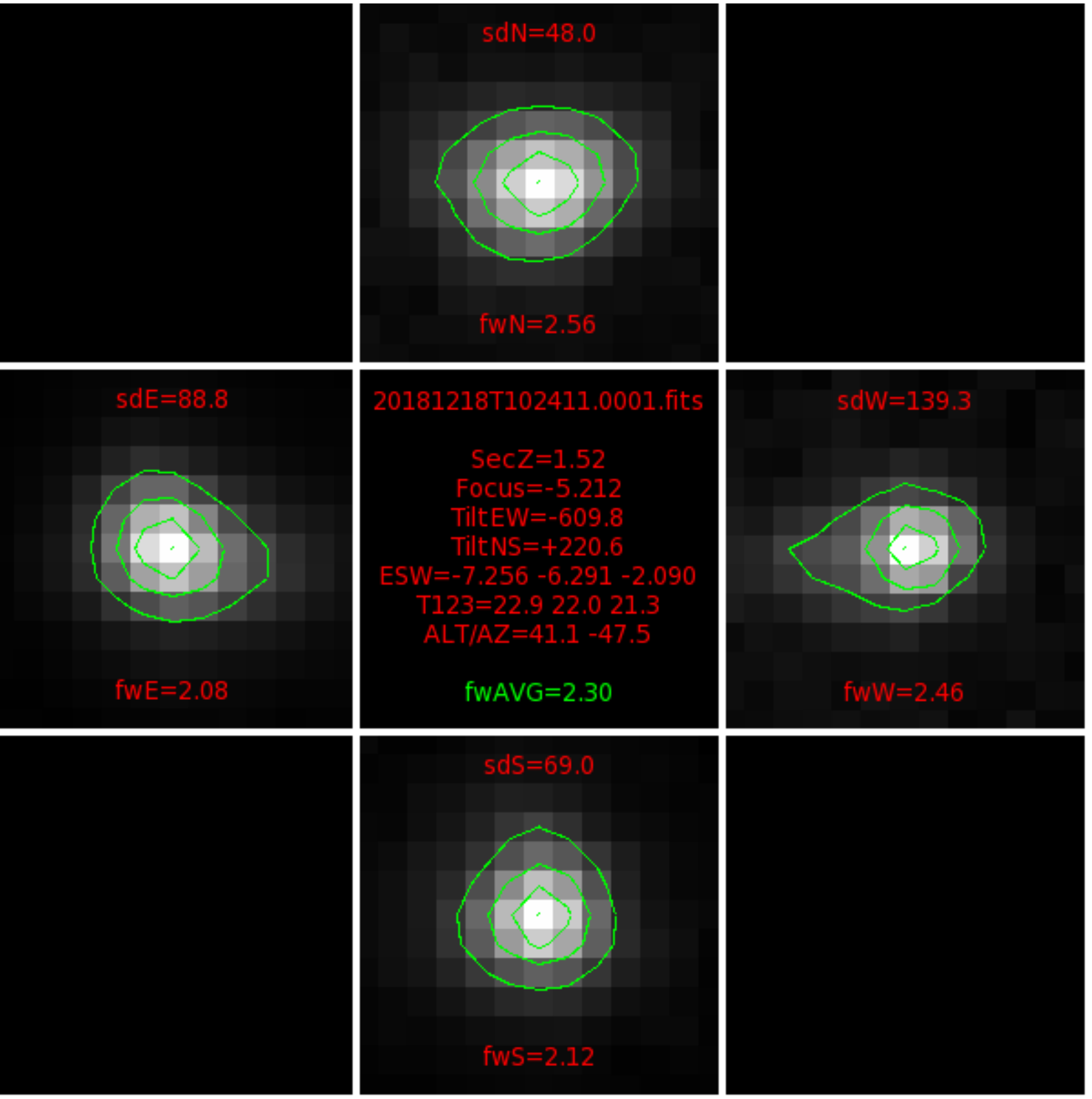
sdN=48.0
fwN=2.56
sdE=88.8
fwE=2.08
20181218T102411.0001.fits
SecZ=1.52
Focus=-5.212
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.256 -6.291 -2.090
T123=22.9 22.0 21.3
ALT/AZ=41.1 -47.5
fwAVG=2.30
sdW=139.3
fwW=2.46
sdS=69.0
fwS=2.12
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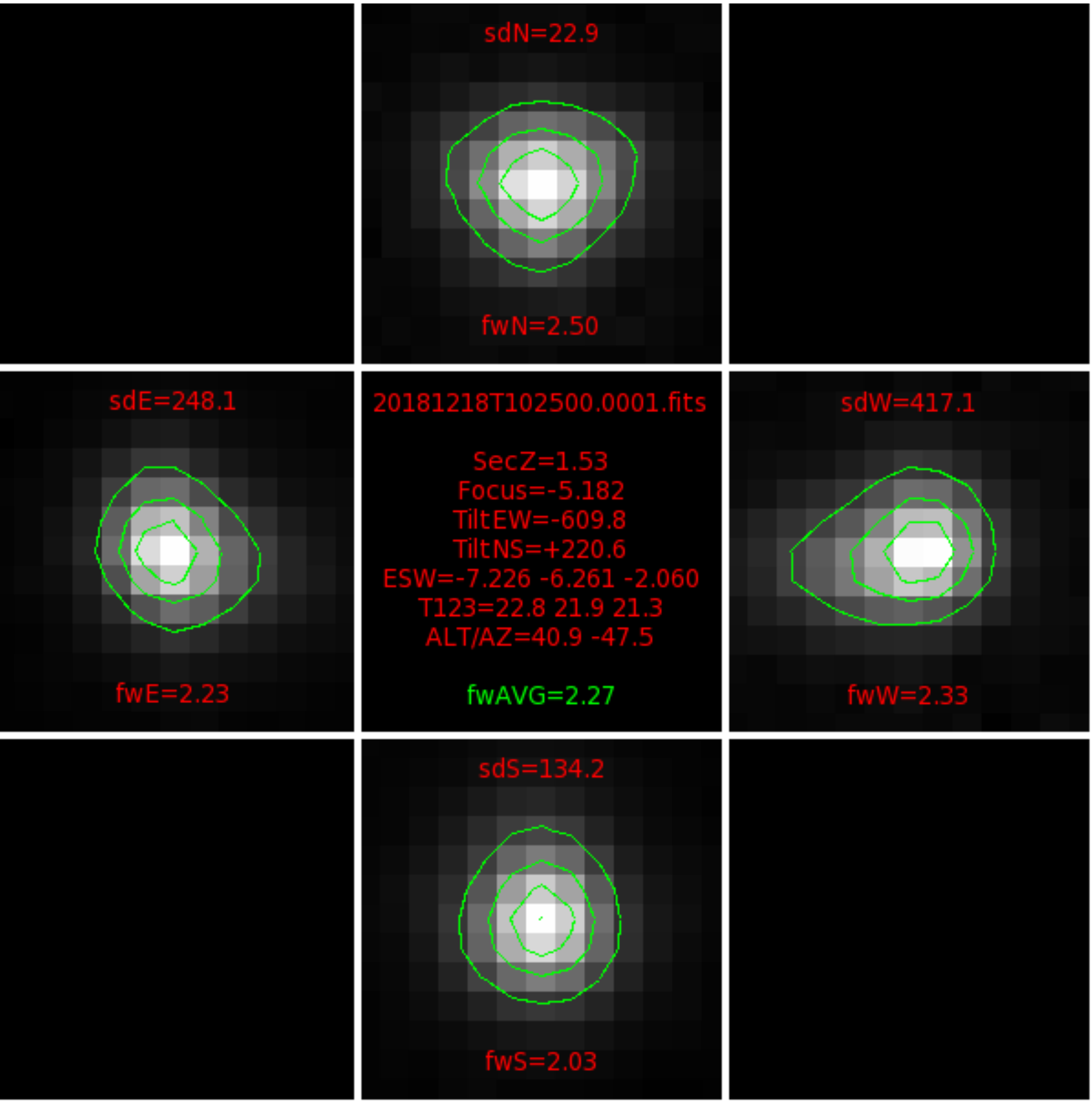
sdN=22.9
fwN=2.50
sdE=248.1
fwE=2.23
20181218T102500.0001.fits
SecZ=1.53
Focus=-5.182
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.226 -6.261 -2.060
T123=22.8 21.9 21.3
ALT/AZ=40.9 -47.5
fwAVG=2.27
sdW=417.1
fwW=2.33
sdS=134.2
fwS=2.03
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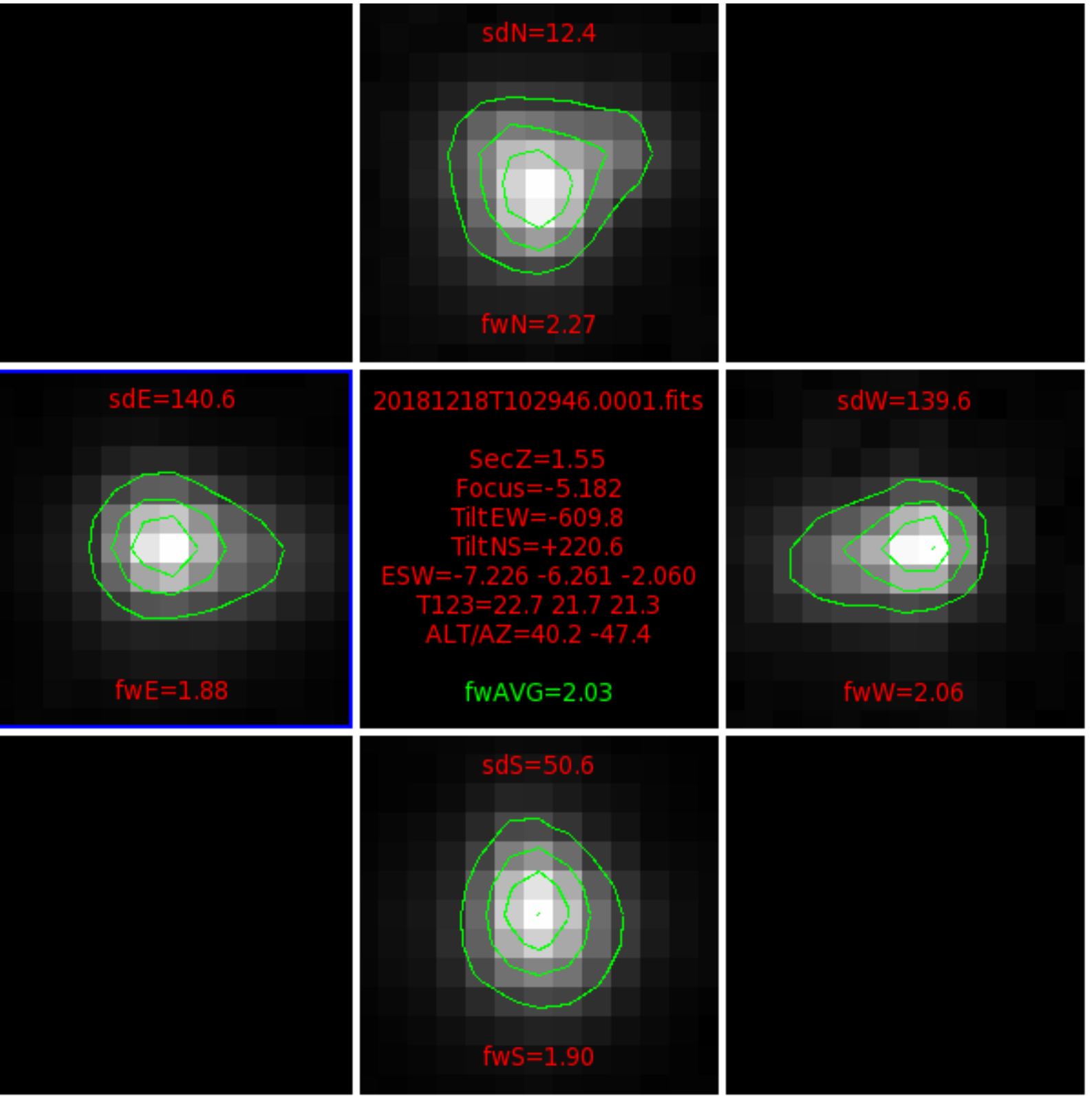
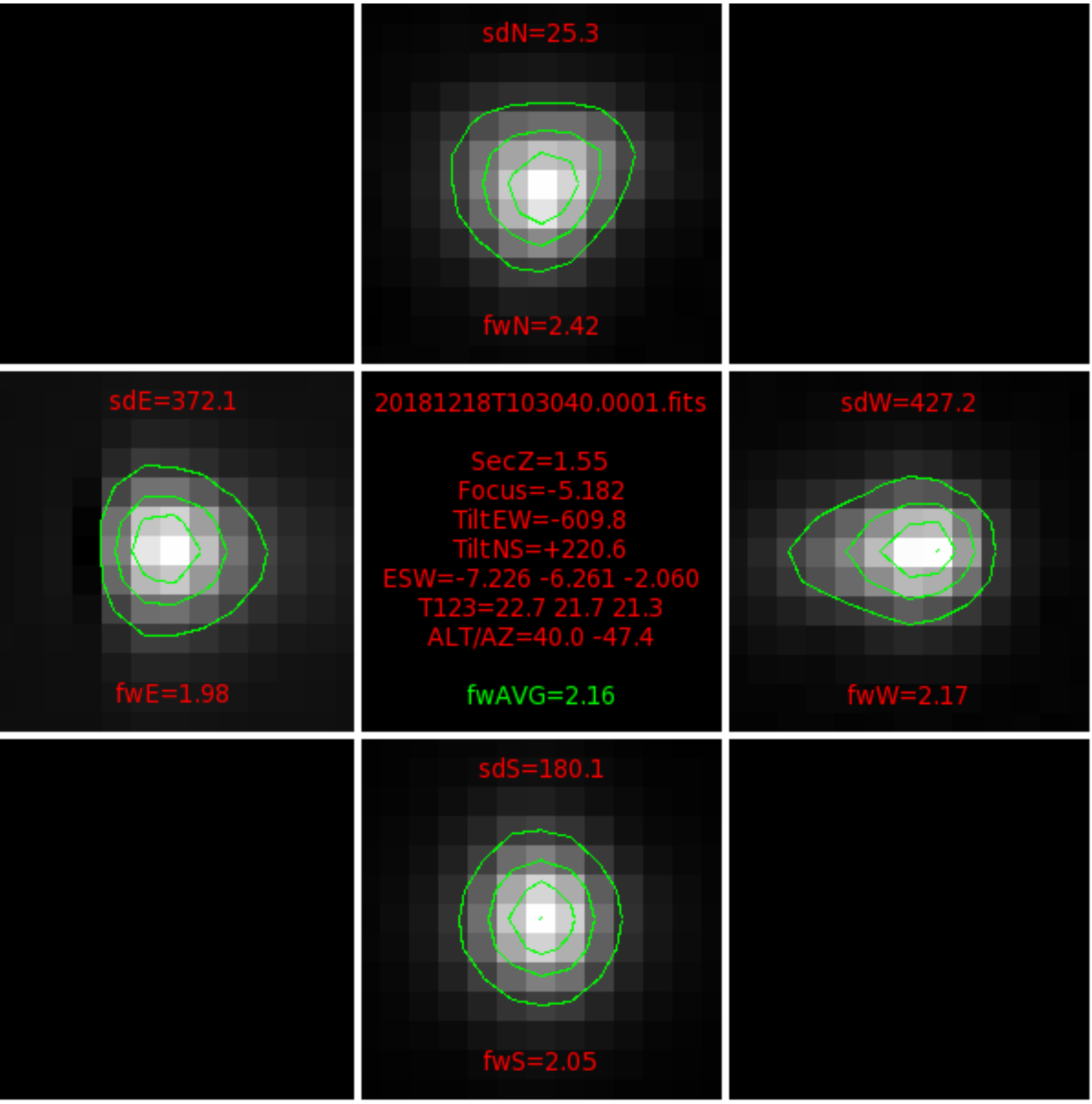

sdN=12.4
fwN=2.27
sdE=140.6
fwE=1.88
20181218T102946.0001.fits
SecZ=1.55
Focus=-5.182
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.226 -6.261 -2.060
T123=22.7 21.7 21.3
ALT/AZ=40.2 -47.4
fwAVG=2.03
sdW=139.6
fwW=2.06
sdS=50.6
fwS=1.90
0.012
0.038
0.063
0.089
0.11


sdN=25.3
fwN=2.42
sdE=372.1
fwE=1.98
20181218T103040.0001.fits
SecZ=1.55
Focus=-5.182
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.226 -6.261 -2.060
T123=22.7 21.7 21.3
ALT/AZ=40.0 -47.4
fwAVG=2.16
sdW=427.2
fwW=2.17
sdS=180.1
fwS=2.05
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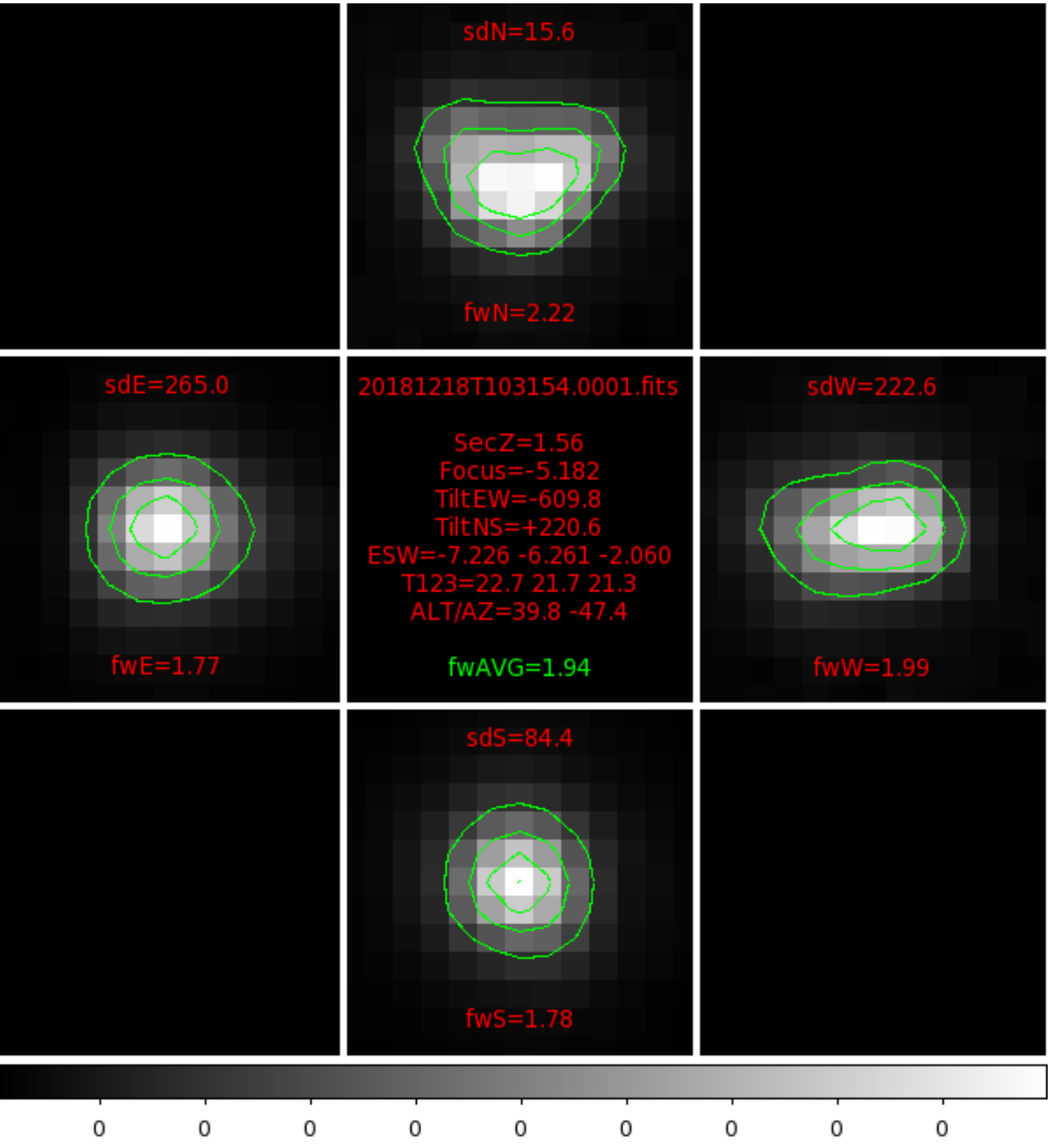
sdN=15.6
fwN=2.22
sdE=265.0
fwE=1.77
20181218T103154.0001.fits
SecZ=1.56
Focus=-5.182
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.226 -6.261 -2.060
T123=22.7 21.7 21.3
ALT/AZ=39.8 -47.4
fwAVG=1.94
sdW=222.6
fwW=1.99
sdS=84.4
fwS=1.78
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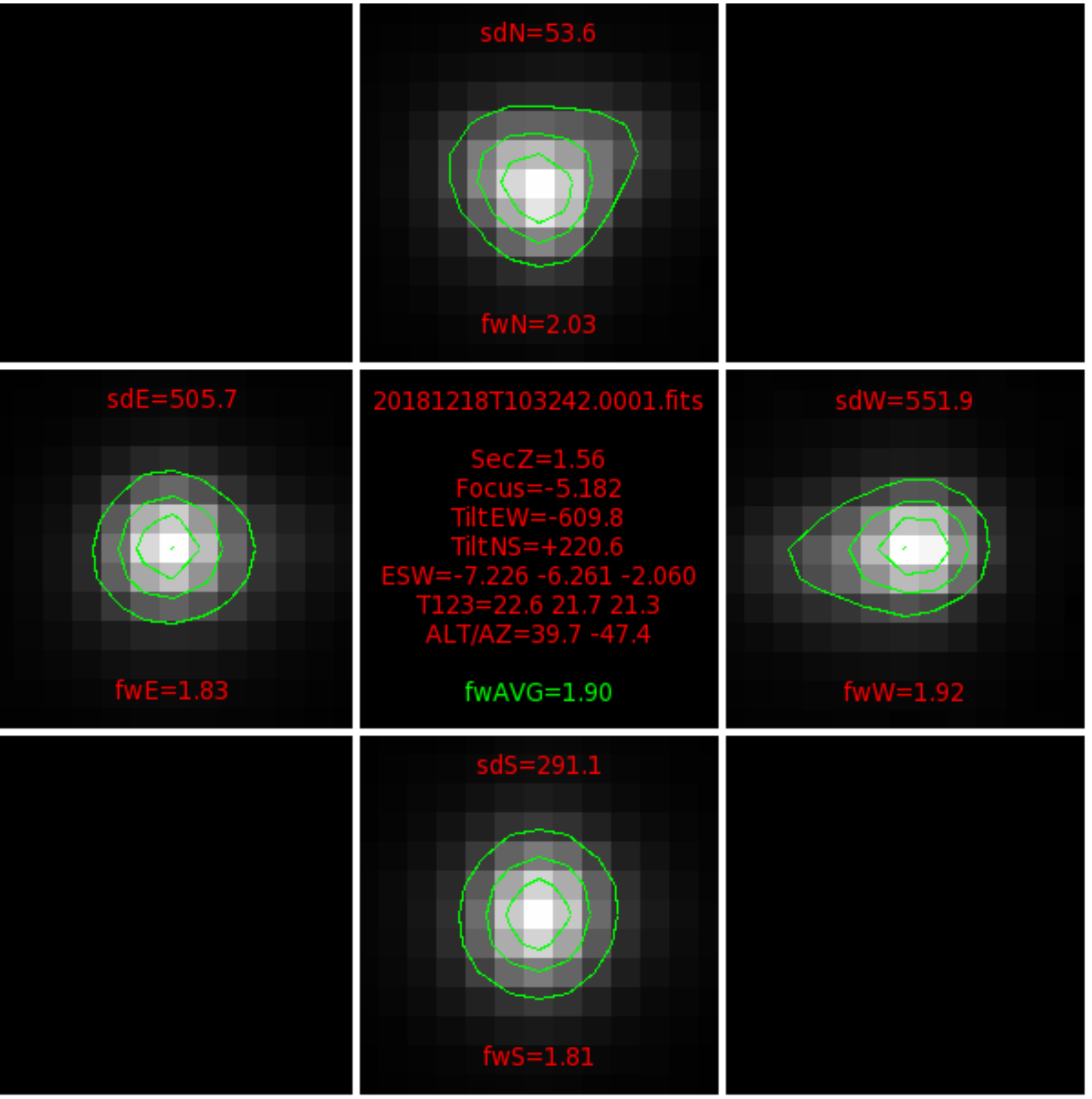
sdN=53.6
fwN=2.03
sdE=505.7
fwE=1.83
20181218T103242.0001.fits
SecZ=1.56
Focus=-5.182
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.226 -6.261 -2.060
T123=22.6 21.7 21.3
ALT/AZ=39.7 -47.4
fwAVG=1.90
sdW=551.9
fwW=1.92
sdS=291.1
fwS=1.81
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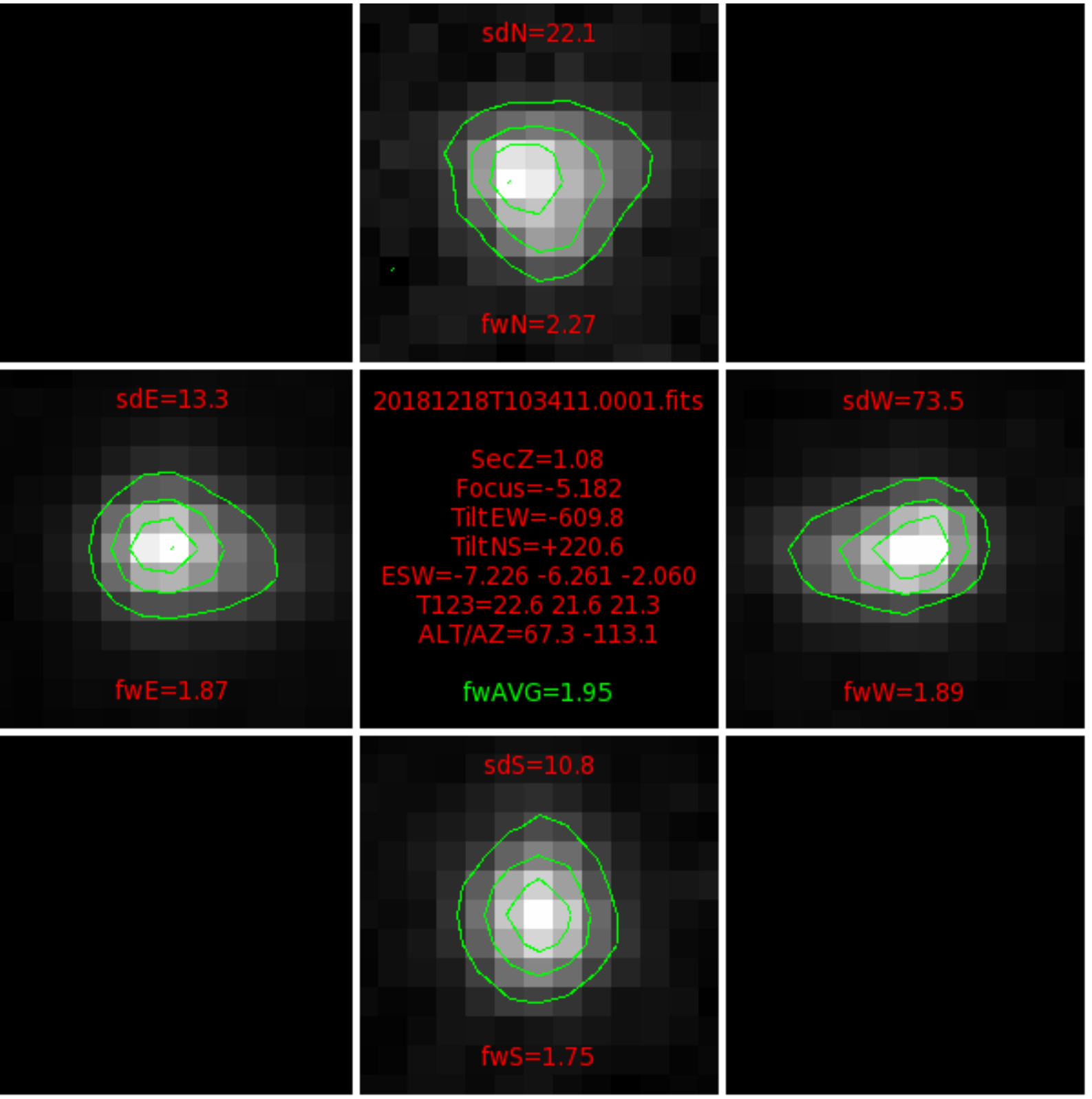
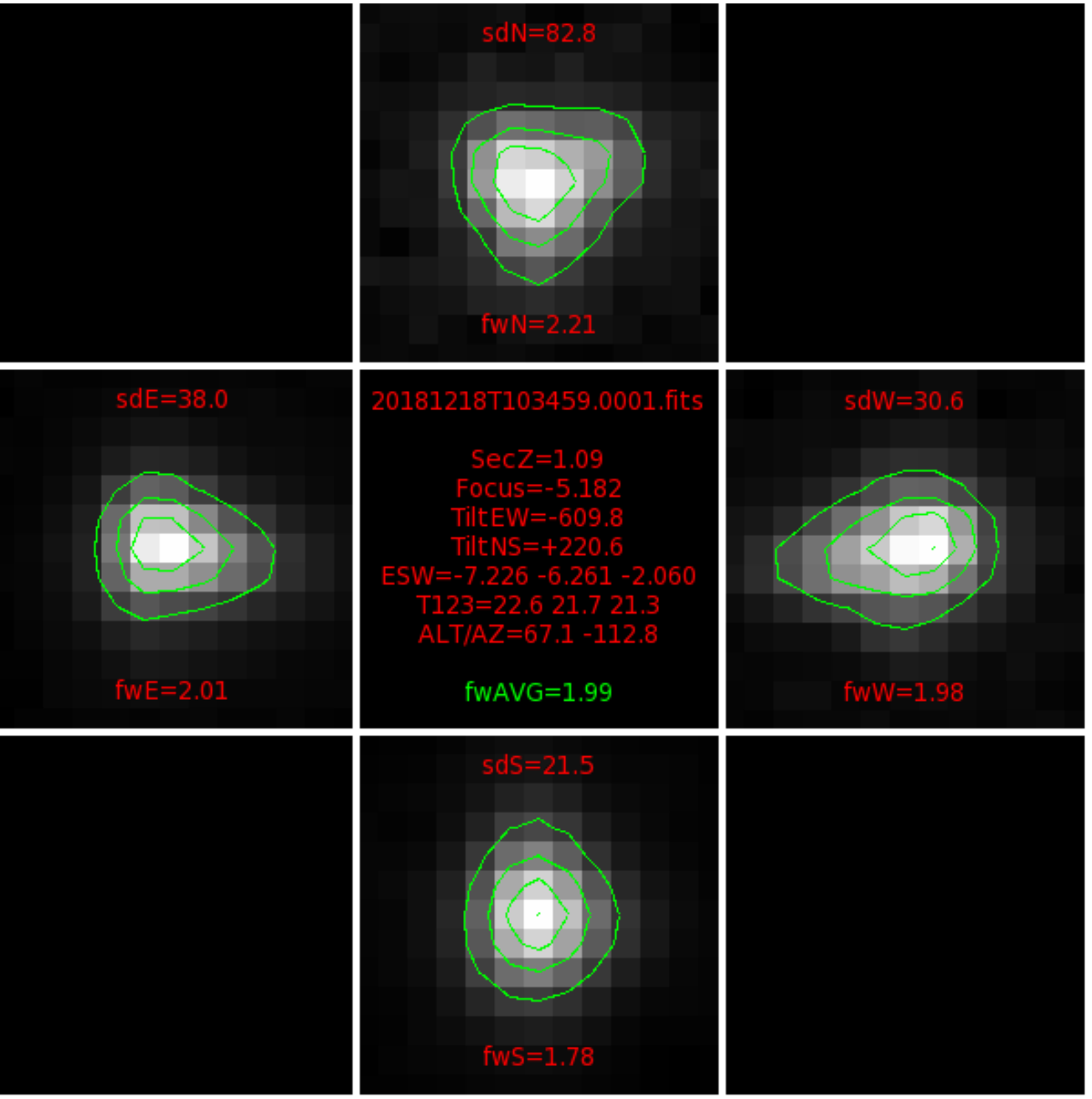

sdN=22.1
fwN=2.27
sdE=13.3
fwE=1.87
20181218T103411.0001.fits
SecZ=1.08
Focus=-5.182
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.226 -6.261 -2.060
T123=22.6 21.6 21.3
ALT/AZ=67.3 -113.1
fwAVG=1.95
sdW=73.5
fwW=1.89
sdS=10.8
fwS=1.75
0 0 0 0 0 0 0 0 0


sdN=82.8
fwN=2.21
sdE=38.0
fwE=2.01
20181218T103459.0001.fits
SecZ=1.09
Focus=-5.182
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.226 -6.261 -2.060
T123=22.6 21.7 21.3
ALT/AZ=67.1 -112.8
fwAVG=1.99
sdW=30.6
fwW=1.98
sdS=21.5
fwS=1.78
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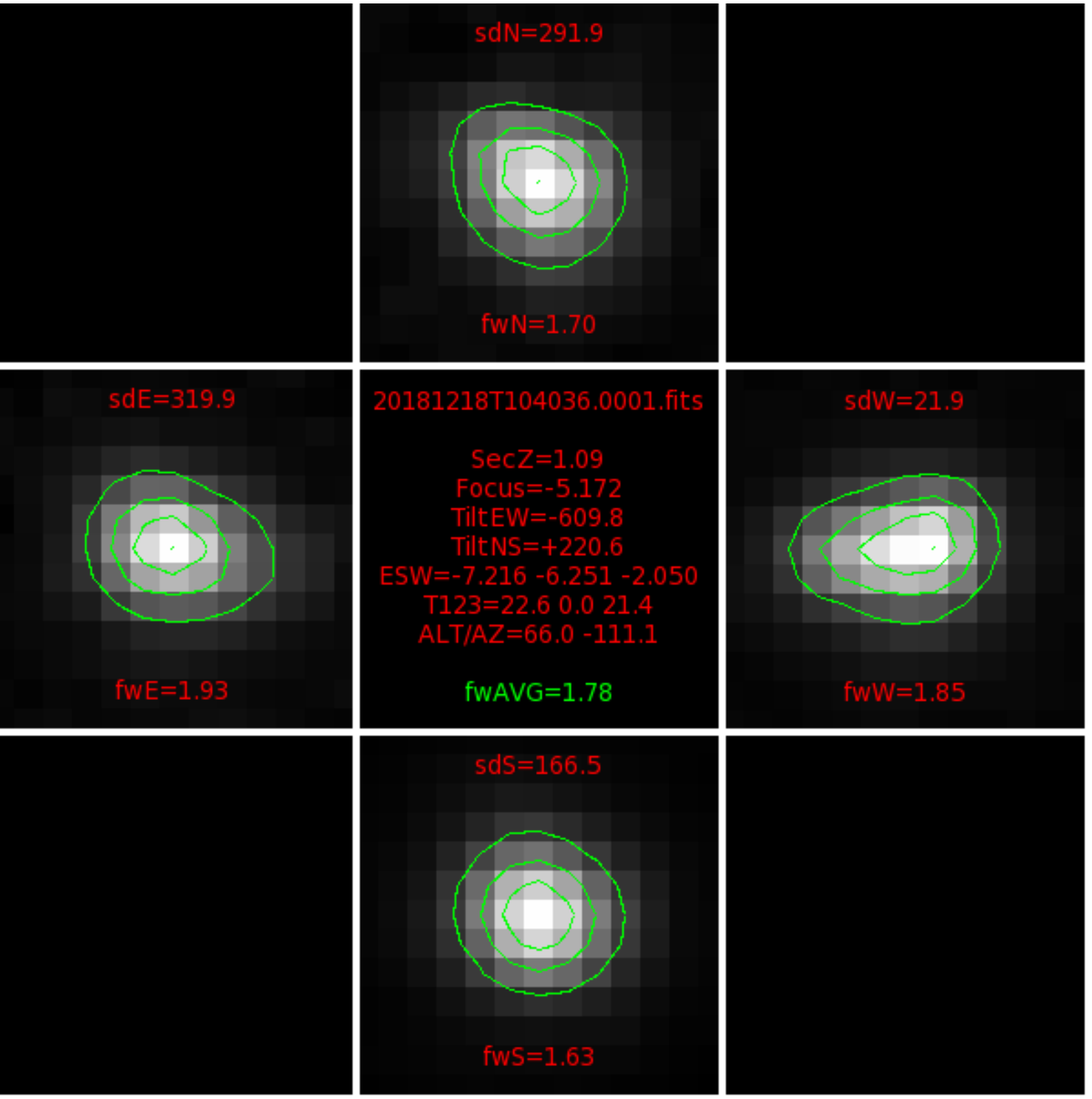
sdN=291.9
fwN=1.70
sdE=319.9
fwE=1.93
20181218T104036.0001.fits
SecZ=1.09
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=22.6 0.0 21.4
ALT/AZ=66.0 -111.1
fwAVG=1.78
sdW=21.9
fwW=1.85
sdS=166.5
fwS=1.63
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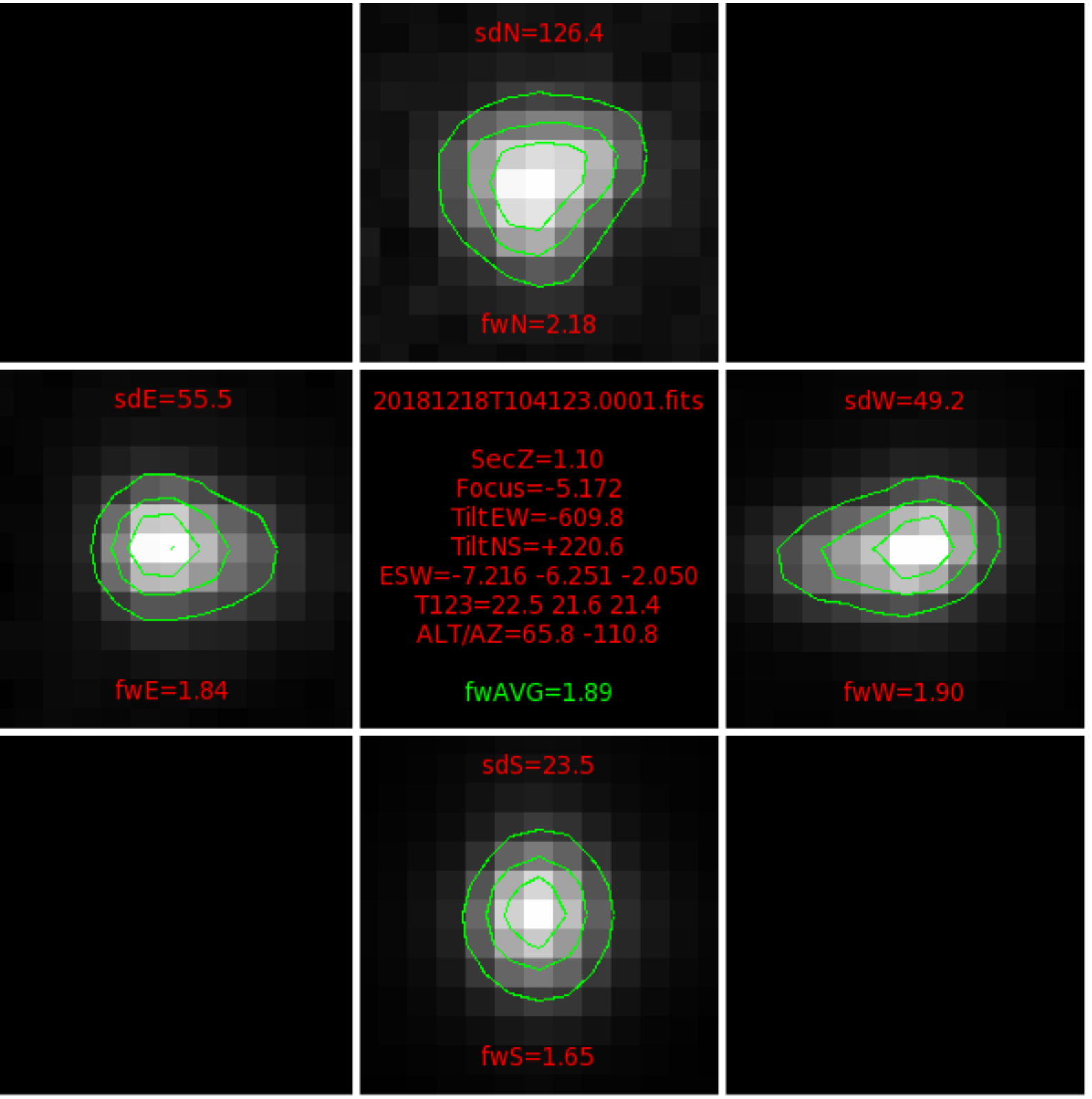
sdN=126.4
fwN=2.18
sdE=55.5
fwE=1.84
20181218T104123.0001.fits
SecZ=1.10
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=22.5 21.6 21.4
ALT/AZ=65.8 -110.8
fwAVG=1.89
sdW=49.2
fwW=1.90
sdS=23.5
fwS=1.65
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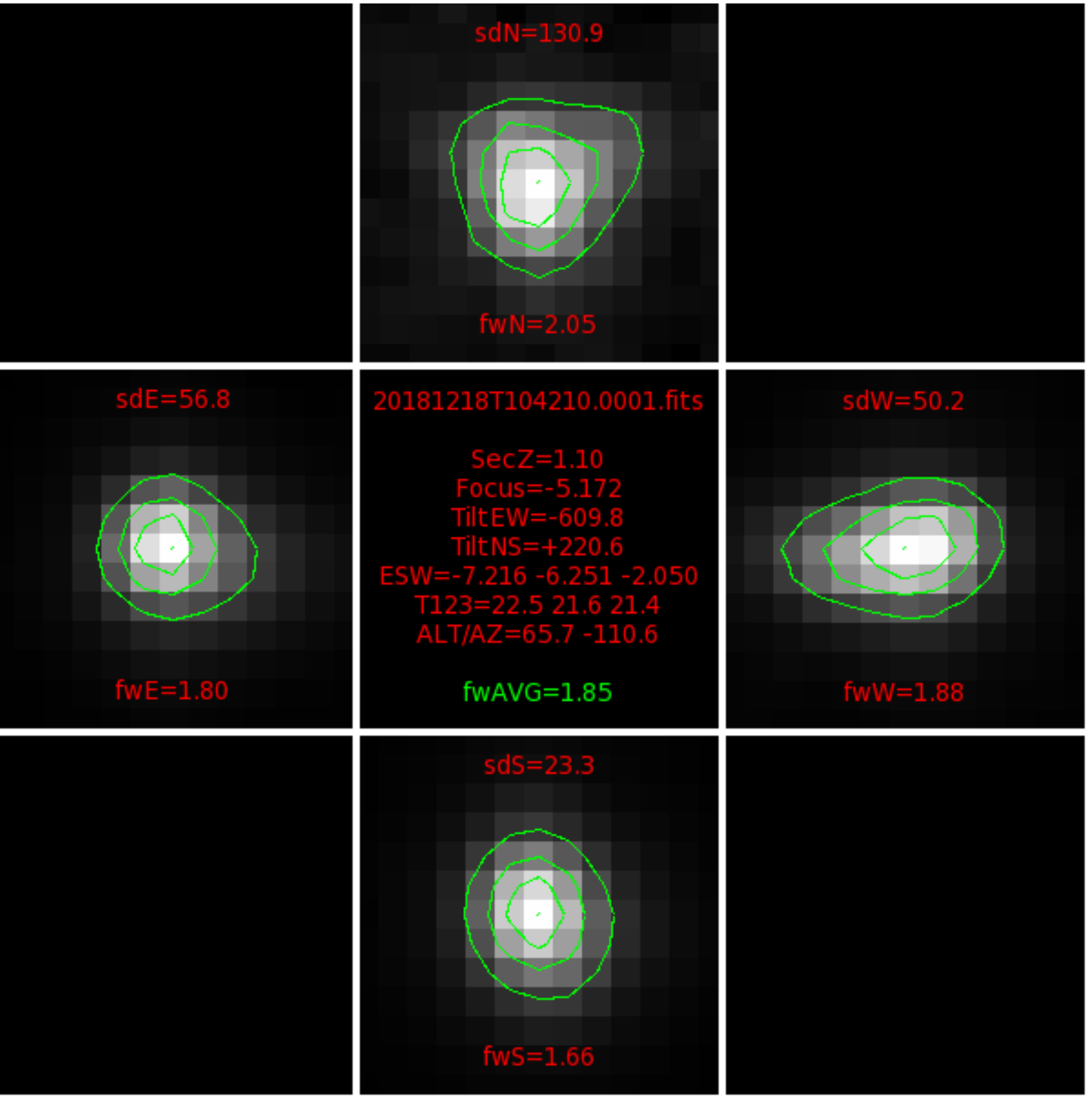
sdN=130.9
fwN=2.05
sdE=56.8
fwE=1.80
20181218T104210.0001.fits
SecZ=1.10
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=22.5 21.6 21.4
ALT/AZ=65.7 -110.6
fwAVG=1.85
sdW=50.2
fwW=1.88
sdS=23.3
fwS=1.66
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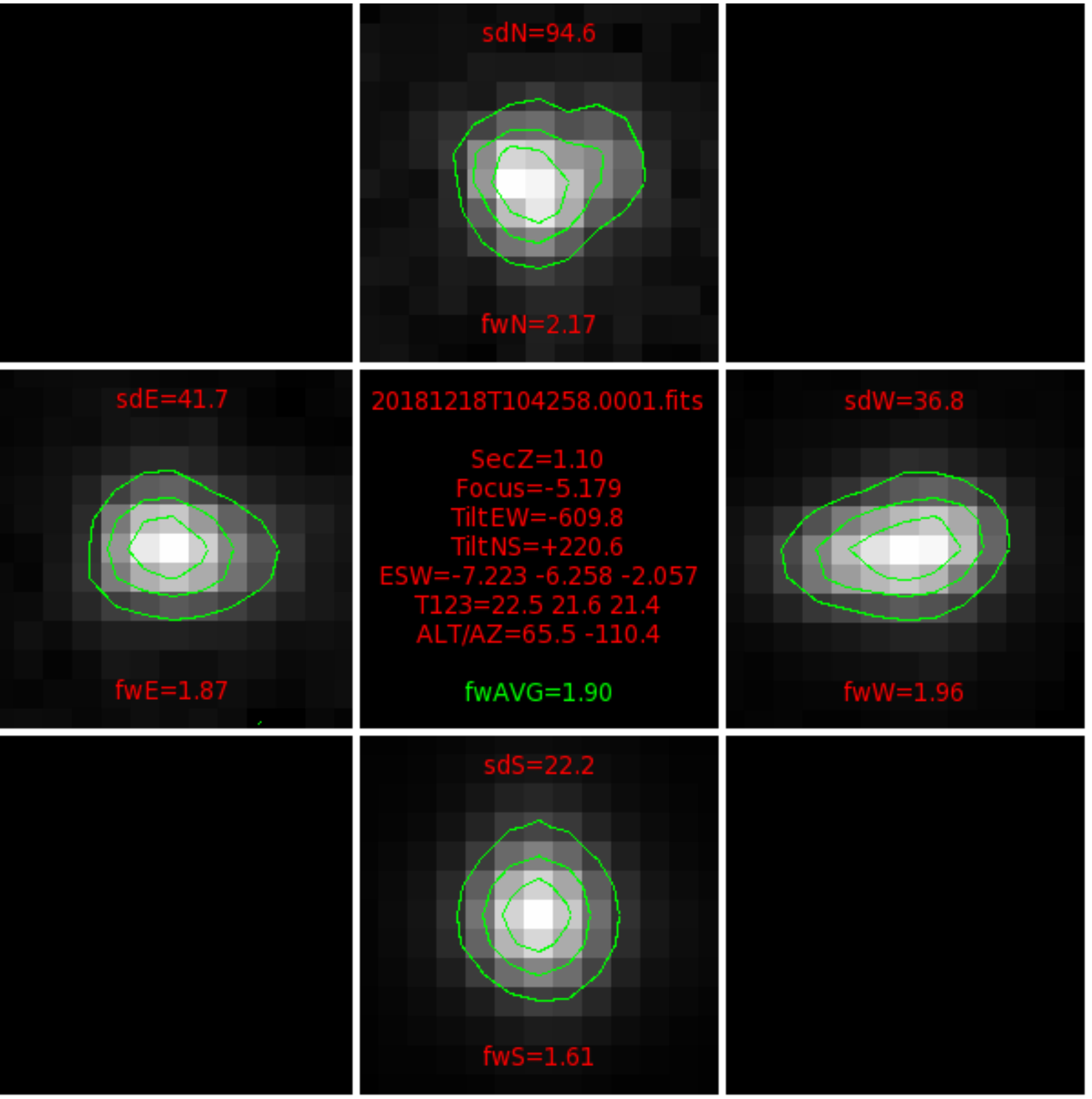
sdN=94.6
fwN=2.17
sdE=41.7
fwE=1.87
20181218T104258.0001.fits
SecZ=1.10
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=22.5 21.6 21.4
ALT/AZ=65.5 -110.4
fwAVG=1.90
sdW=36.8
fwW=1.96
sdS=22.2
fwS=1.61
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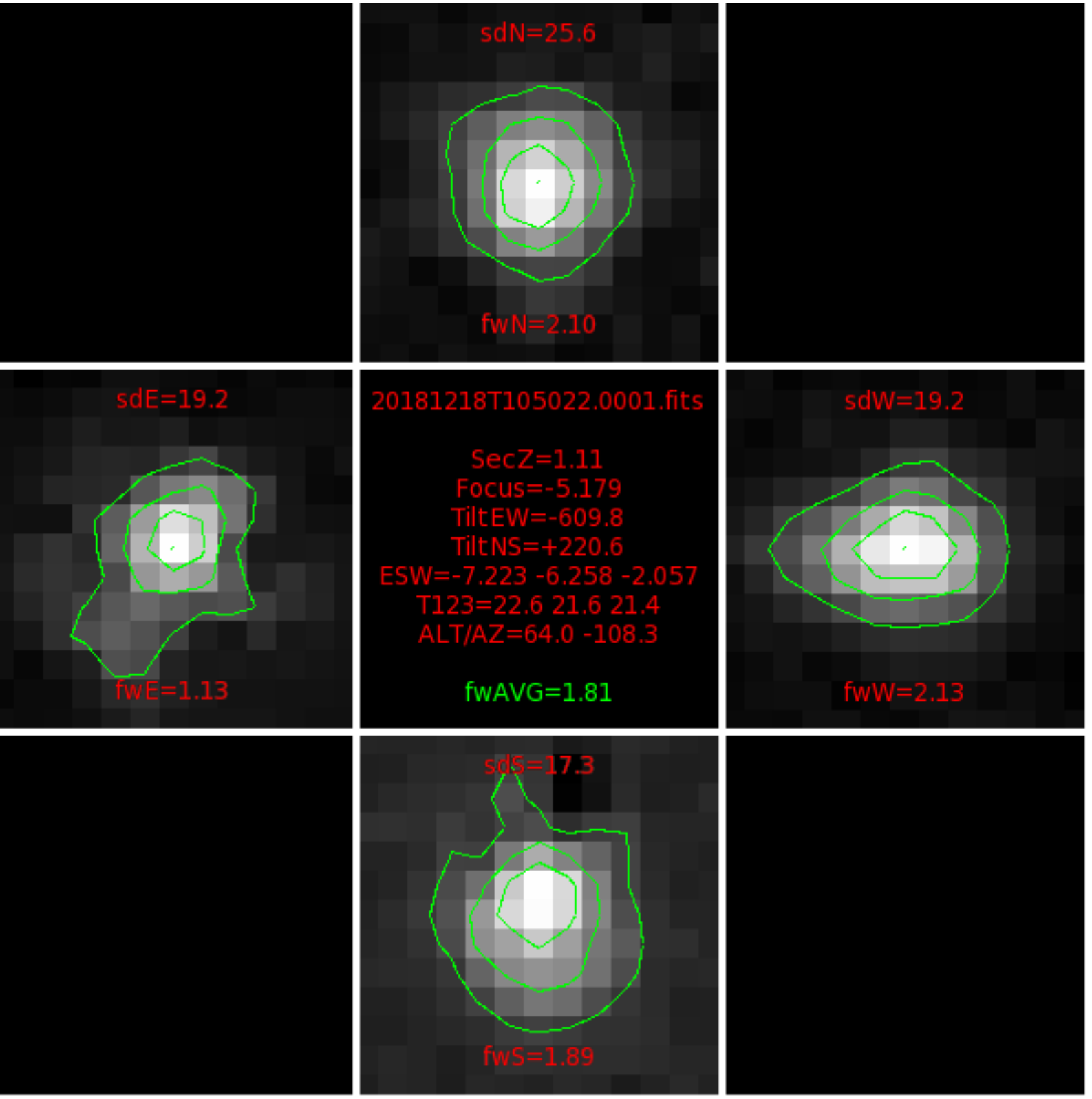
sdN=25.6
fwN=2.10
sdE=19.2
fwE=1.13
20181218T105022.0001.fits
SecZ=1.11
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=22.6 21.6 21.4
ALT/AZ=64.0 -108.3
fwAVG=1.81
sdW=19.2
fwW=2.13
sdS=17.3
fwS=1.89
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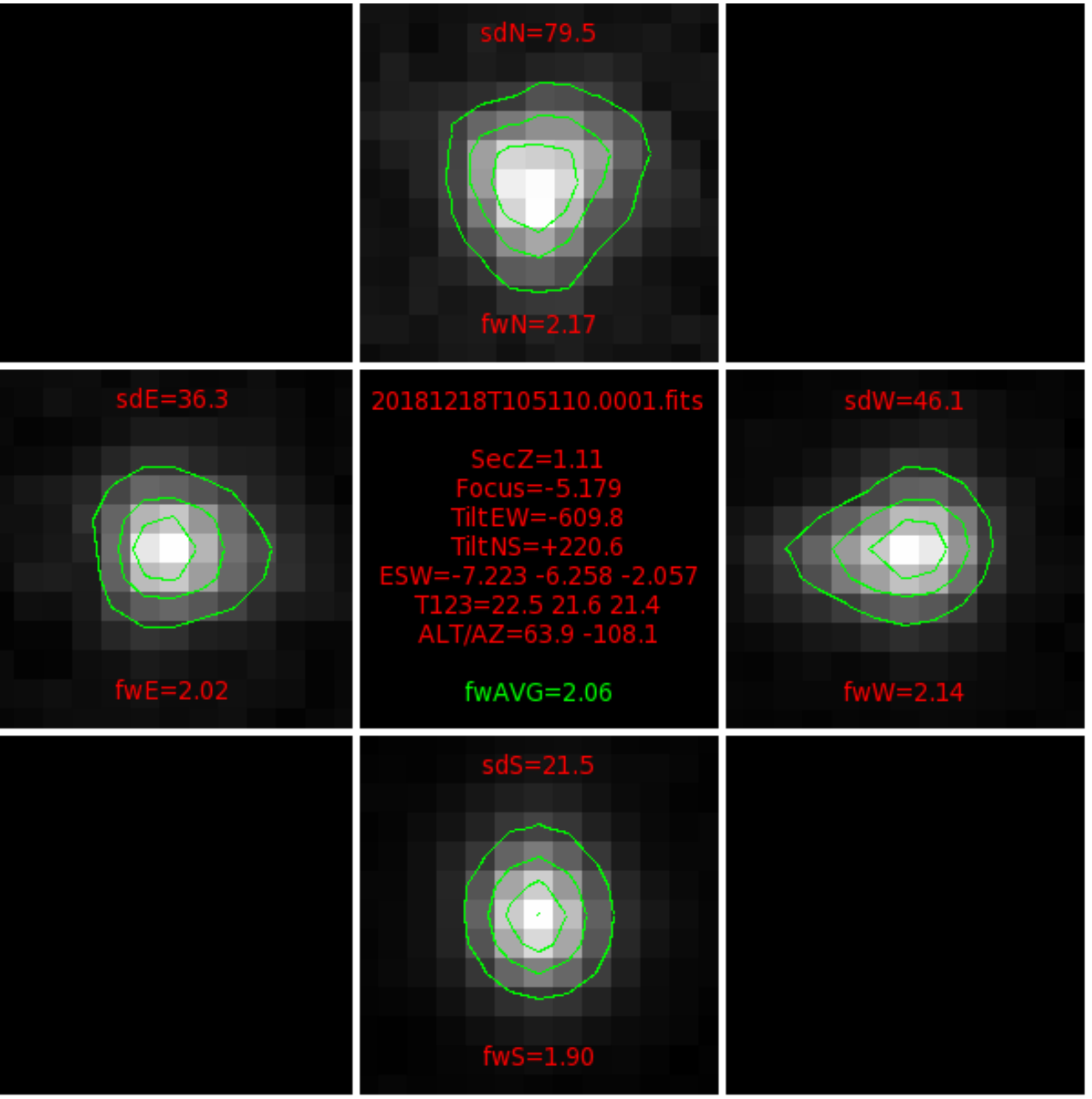
sdN=79.5
fwN=2.17
sdE=36.3
fwE=2.02
20181218T105110.0001.fits
SecZ=1.11
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=22.5 21.6 21.4
ALT/AZ=63.9 -108.1
fwAVG=2.06
sdW=46.1
fwW=2.14
sdS=21.5
fwS=1.90
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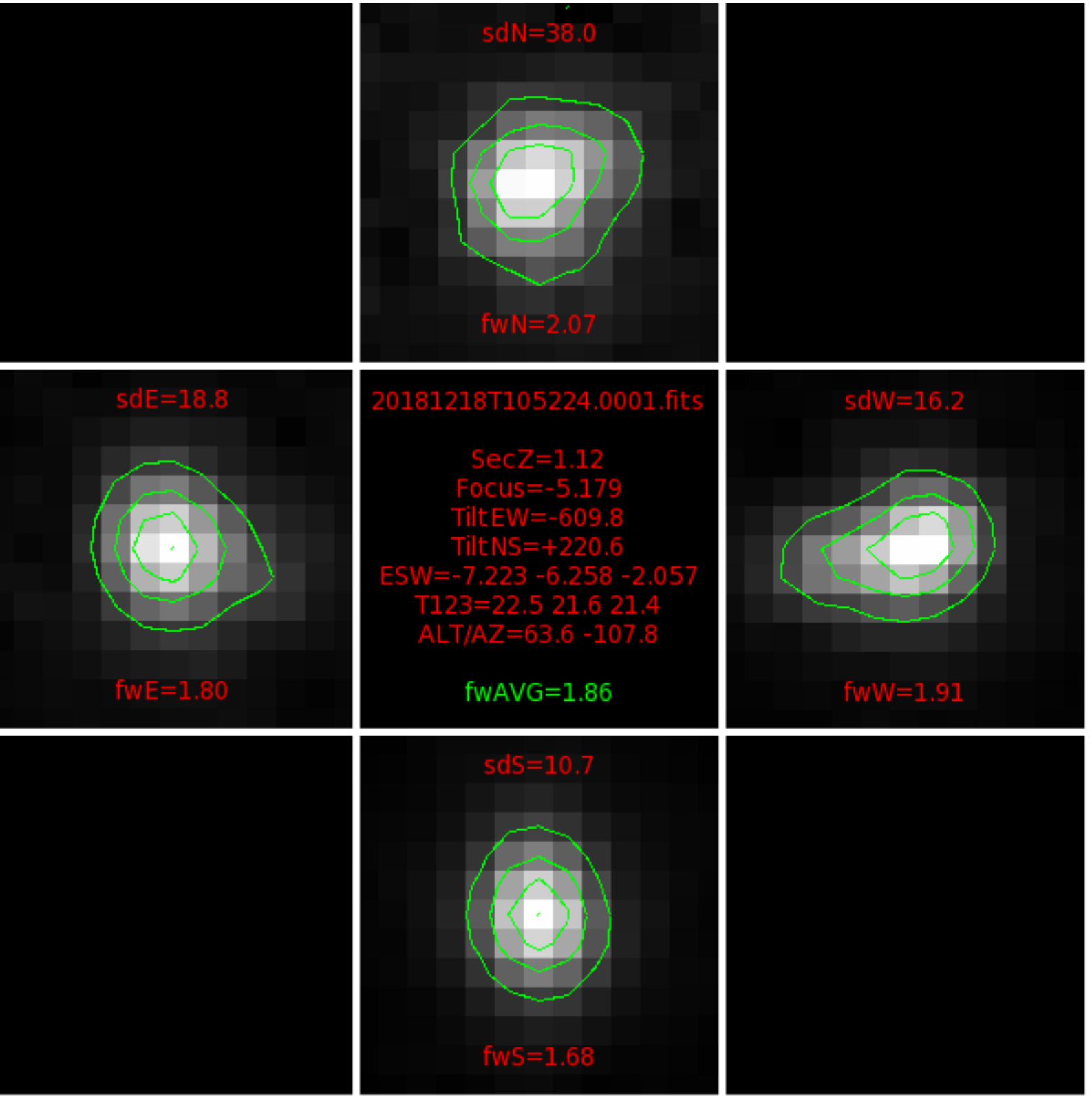
sdN=38.0
fwN=2.07
sdE=18.8
fwE=1.80
20181218T105224.0001.fits
SecZ=1.12
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=22.5 21.6 21.4
ALT/AZ=63.6 -107.8
fwAVG=1.86
sdW=16.2
fwW=1.91
sdS=10.7
fwS=1.68
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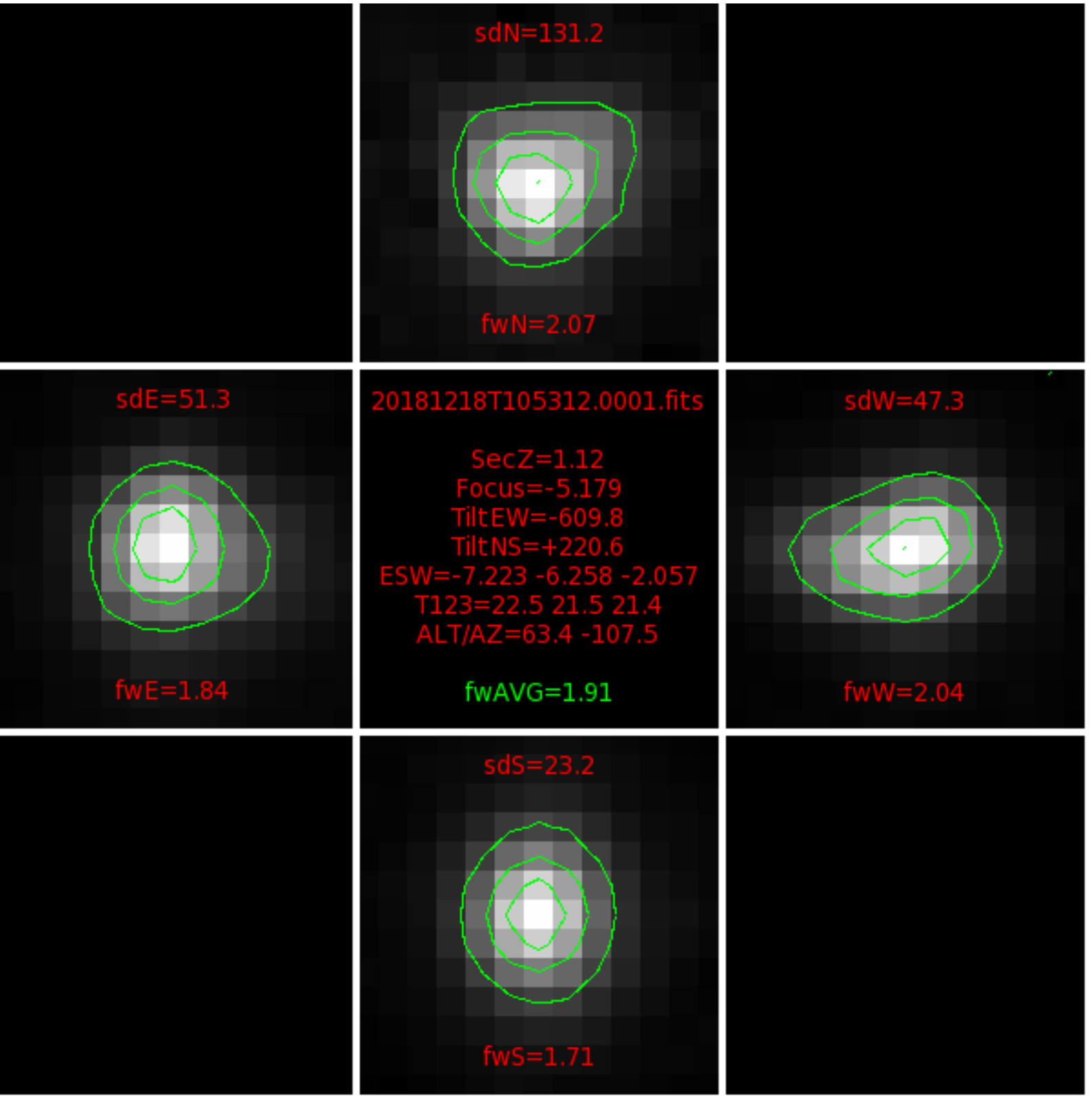
sdN=131.2
fwN=2.07
sdE=51.3
fwE=1.84
20181218T105312.0001.fits
SecZ=1.12
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=22.5 21.5 21.4
ALT/AZ=63.4 -107.5
fwAVG=1.91
sdW=47.3
fwW=2.04
sdS=23.2
fwS=1.71
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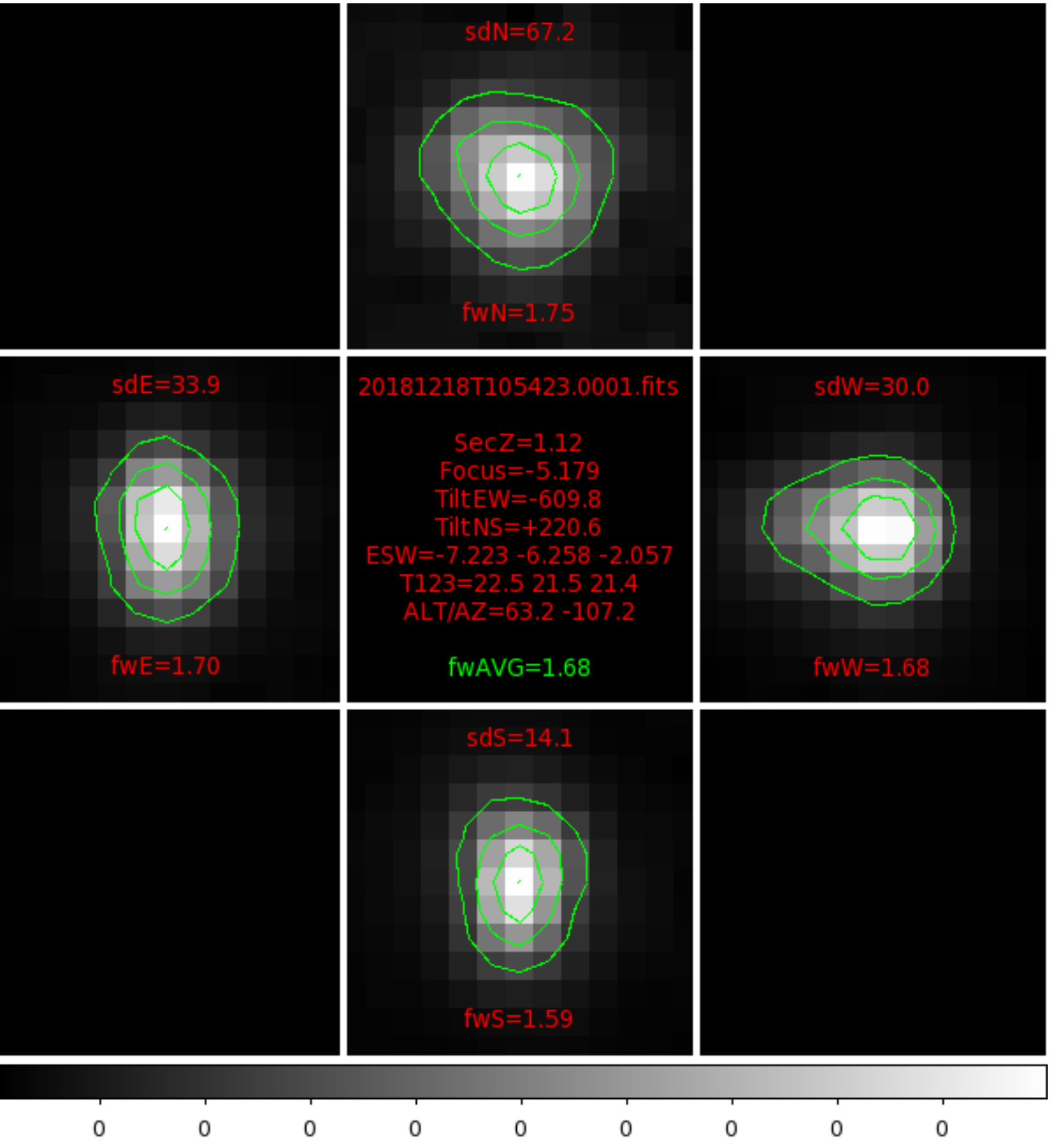
sdN=67.2
fwN=1.75
sdE=33.9
fwE=1.70
20181218T105423.0001.fits
SecZ=1.12
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=22.5 21.5 21.4
ALT/AZ=63.2 -107.2
fwAVG=1.68
sdW=30.0
fwW=1.68
sdS=14.1
fwS=1.59
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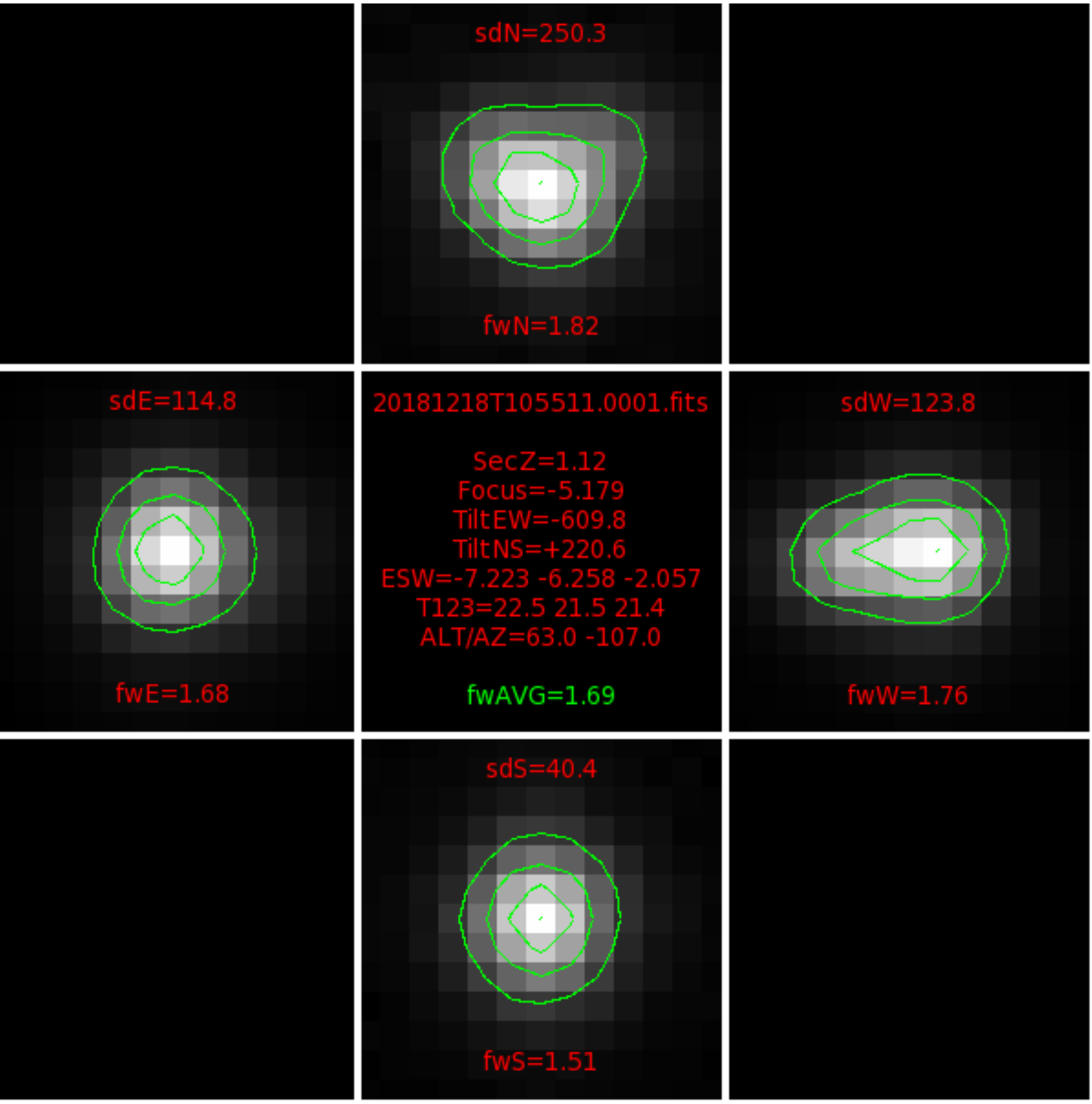
sdN=250.3
fwN=1.82
sdE=114.8
fwE=1.68
20181218T105511.0001.fits
SecZ=1.12
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=22.5 21.5 21.4
ALT/AZ=63.0 -107.0
fwAVG=1.69
sdW=123.8
fwW=1.76
sdS=40.4
fwS=1.51
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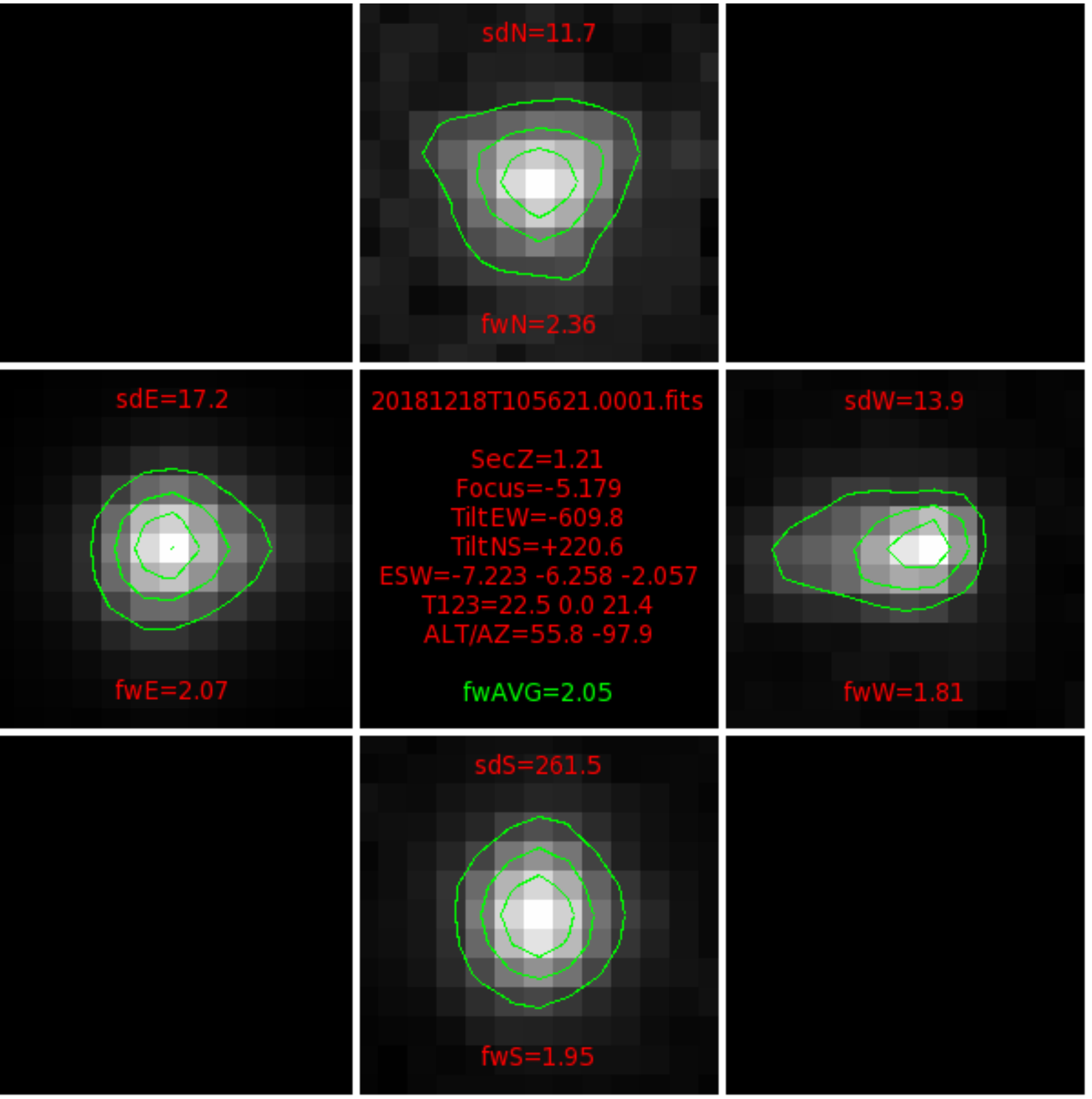
sdN=11.7
fwN=2.36
sdE=17.2
fwE=2.07
20181218T105621.0001.fits
SecZ=1.21
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=22.5 0.0 21.4
ALT/AZ=55.8 -97.9
fwAVG=2.05
sdW=13.9
fwW=1.81
sdS=261.5
fwS=1.95
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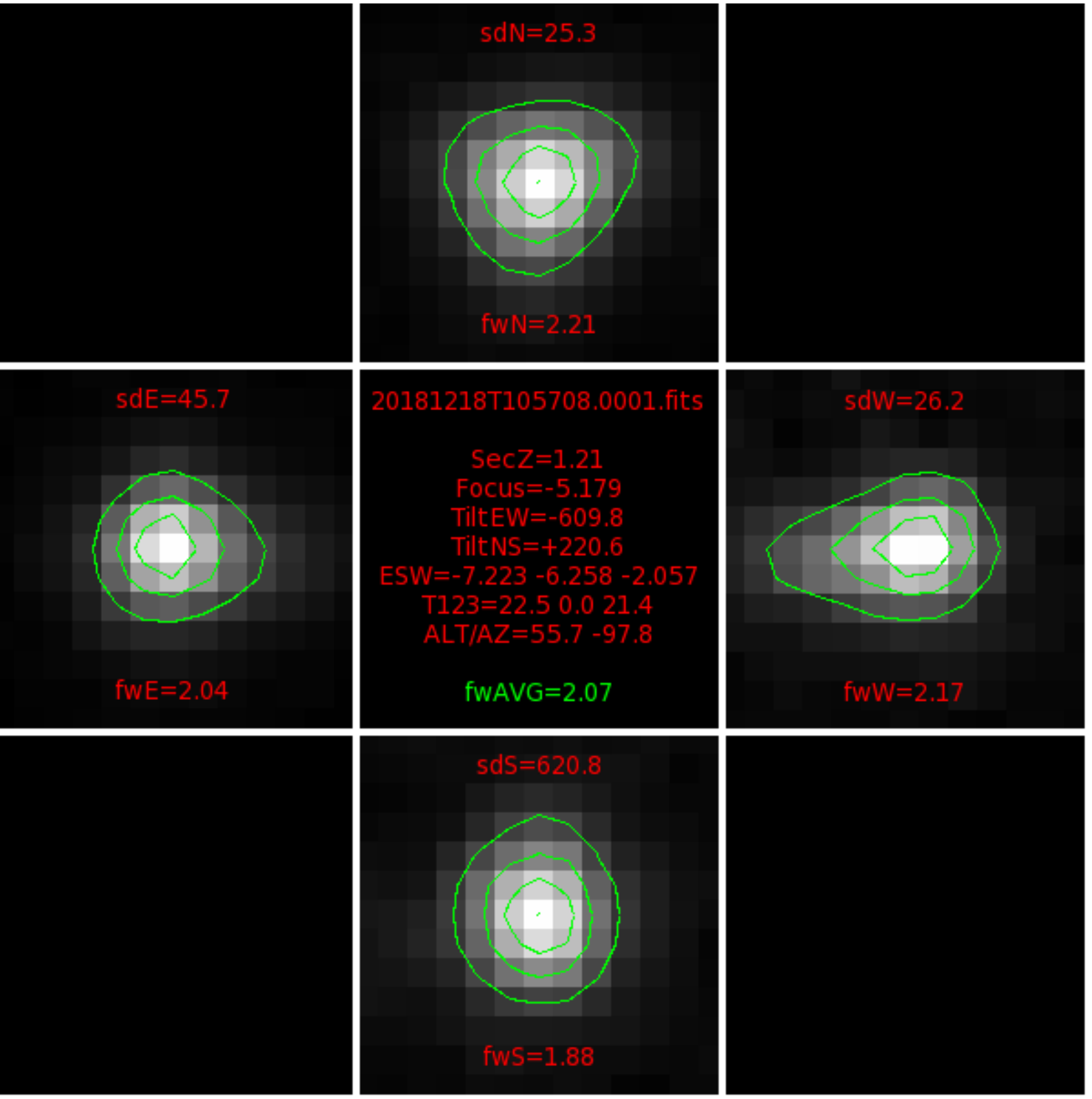
sdN=25.3
fwN=2.21
sdE=45.7
fwE=2.04
20181218T105708.0001.fits
SecZ=1.21
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=22.5 0.0 21.4
ALT/AZ=55.7 -97.8
fwAVG=2.07
sdW=26.2
fwW=2.17
sdS=620.8
fwS=1.88
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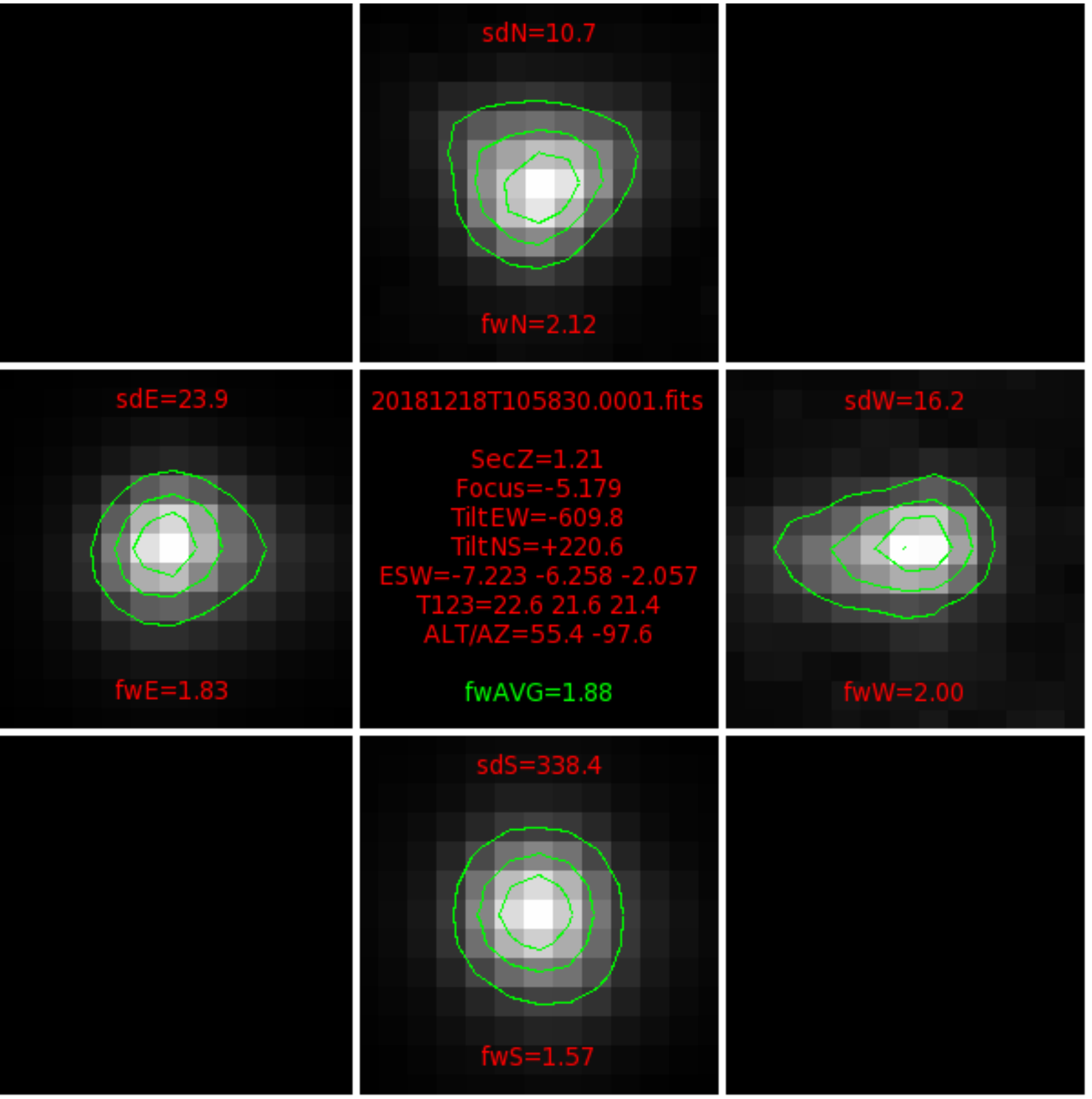
sdN=10.7
fwN=2.12
sdE=23.9
fwE=1.83
20181218T105830.0001.fits
SecZ=1.21
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=22.6 21.6 21.4
ALT/AZ=55.4 -97.6
fwAVG=1.88
sdW=16.2
fwW=2.00
sdS=338.4
fwS=1.57
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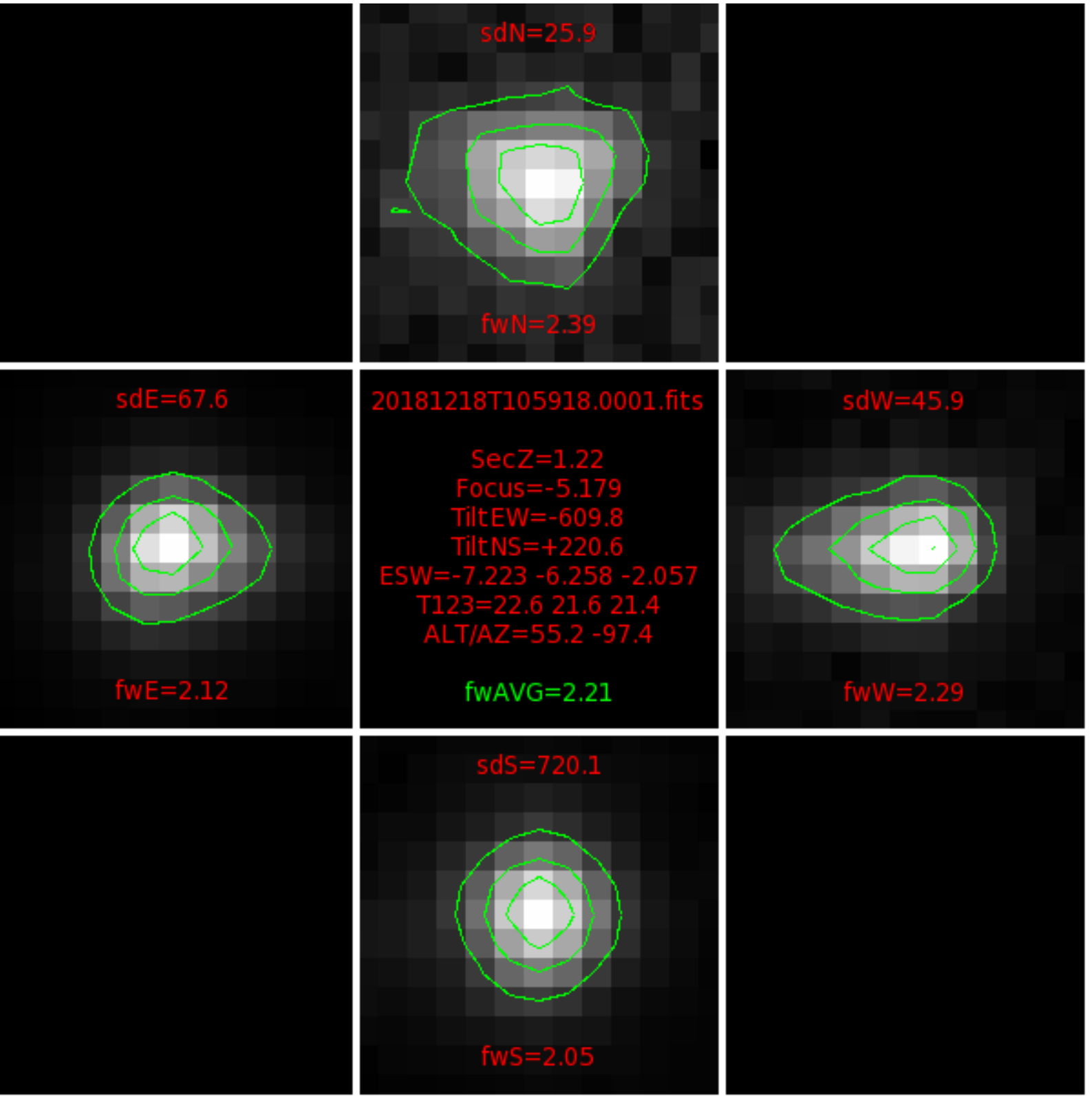
sdN=25.9
fwN=2.39
sdE=67.6
fwE=2.12
20181218T105918.0001.fits
SecZ=1.22
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=22.6 21.6 21.4
ALT/AZ=55.2 -97.4
fwAVG=2.21
sdW=45.9
fwW=2.29
sdS=720.1
fwS=2.05
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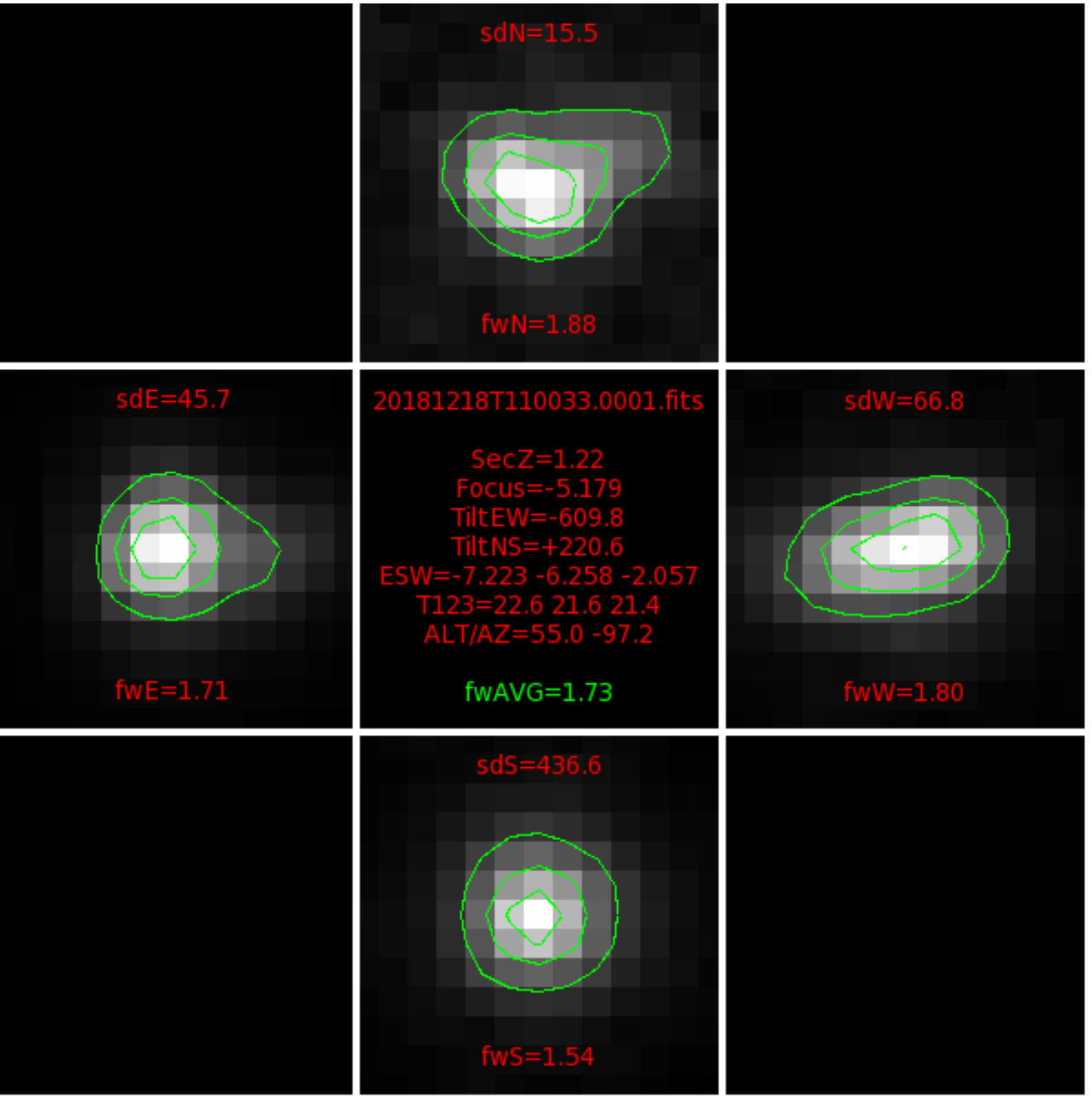
sdN=15.5
fwN=1.88
sdE=45.7
fwE=1.71
20181218T110033.0001.fits
SecZ=1.22
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=22.6 21.6 21.4
ALT/AZ=55.0 -97.2
fwAVG=1.73
sdW=66.8
fwW=1.80
sdS=436.6
fwS=1.54
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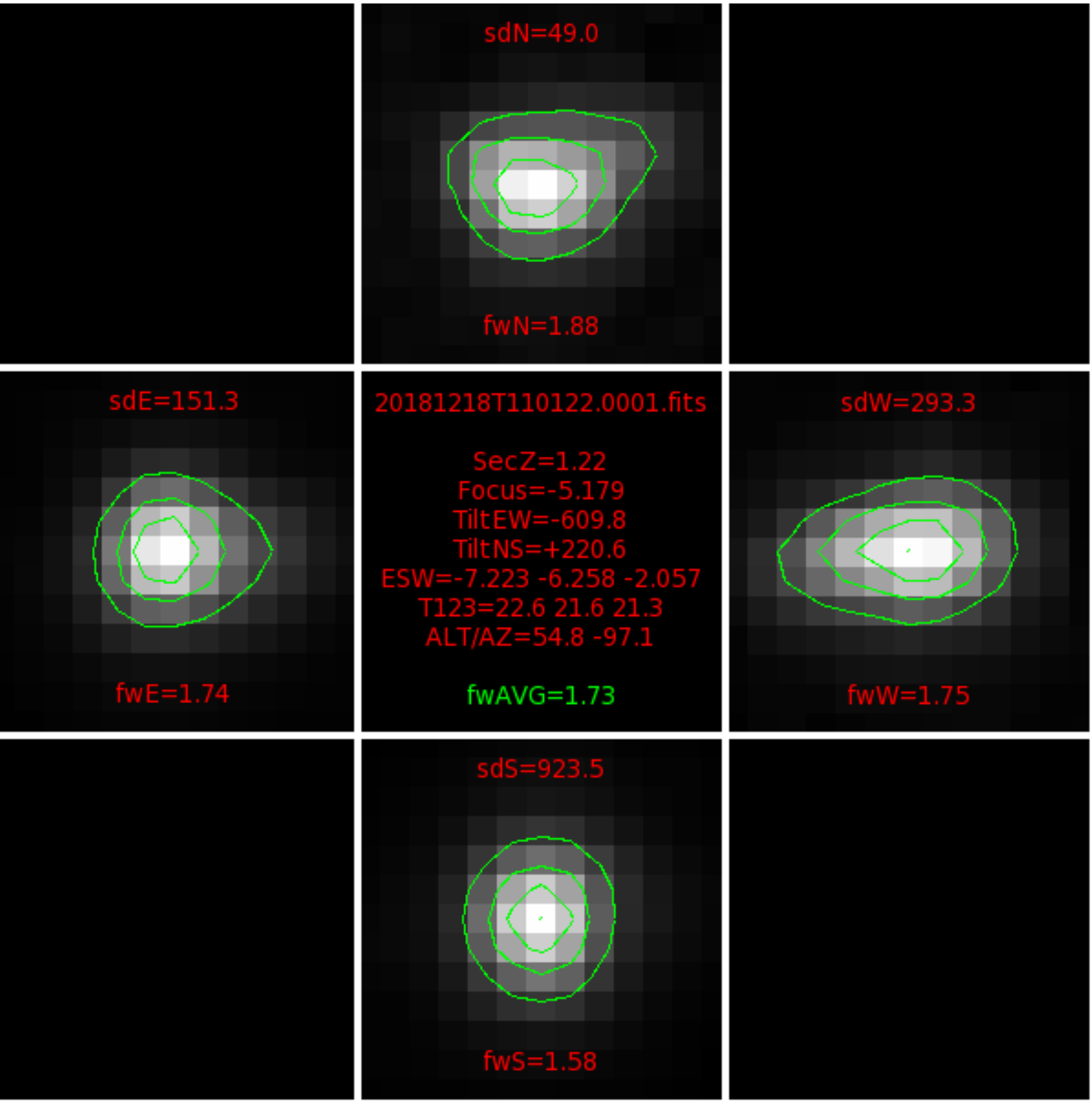
sdN=49.0
fwN=1.88
sdE=151.3
fwE=1.74
20181218T110122.0001.fits
SecZ=1.22
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=22.6 21.6 21.3
ALT/AZ=54.8 -97.1
fwAVG=1.73
sdW=293.3
fwW=1.75
sdS=923.5
fwS=1.58
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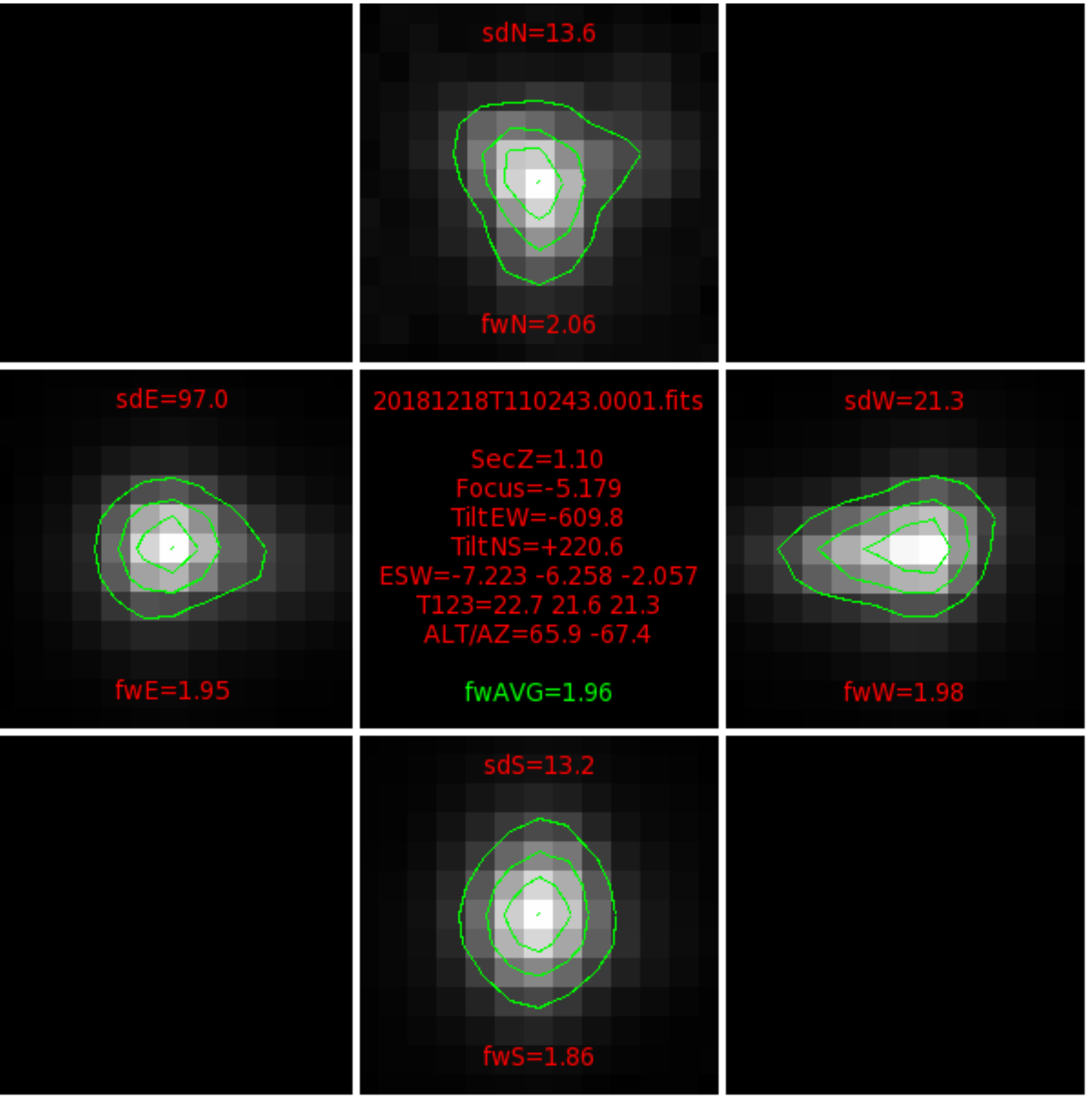
sdN=13.6
fwN=2.06
sdE=97.0
fwE=1.95
20181218T110243.0001.fits
SecZ=1.10
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=22.7 21.6 21.3
ALT/AZ=65.9 -67.4
fwAVG=1.96
sdW=21.3
fwW=1.98
sdS=13.2
fwS=1.86
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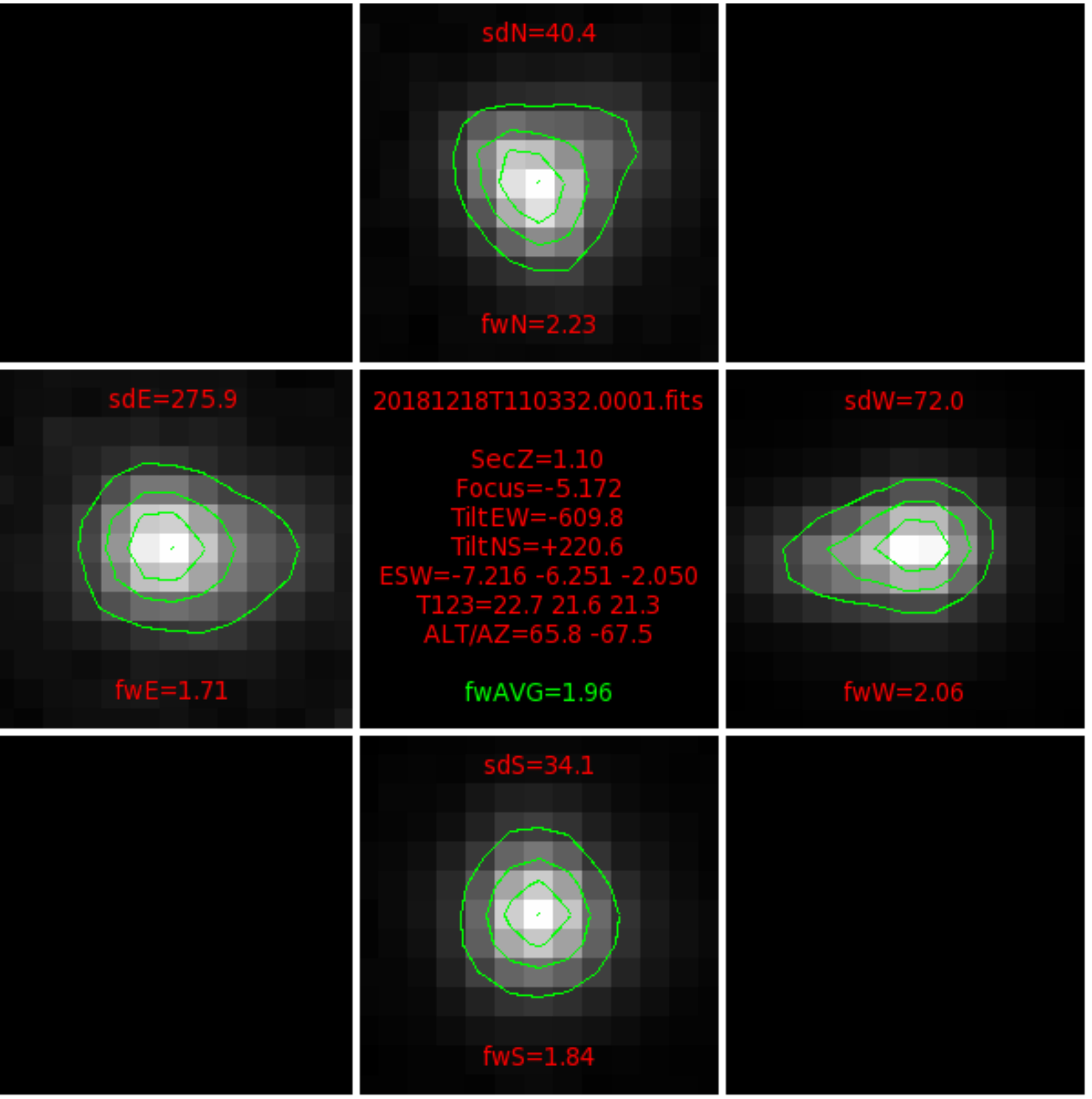
sdN=40.4
fwN=2.23
sdE=275.9
fwE=1.71
20181218T110332.0001.fits
SecZ=1.10
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=22.7 21.6 21.3
ALT/AZ=65.8 -67.5
fwAVG=1.96
sdW=72.0
fwW=2.06
sdS=34.1
fwS=1.84
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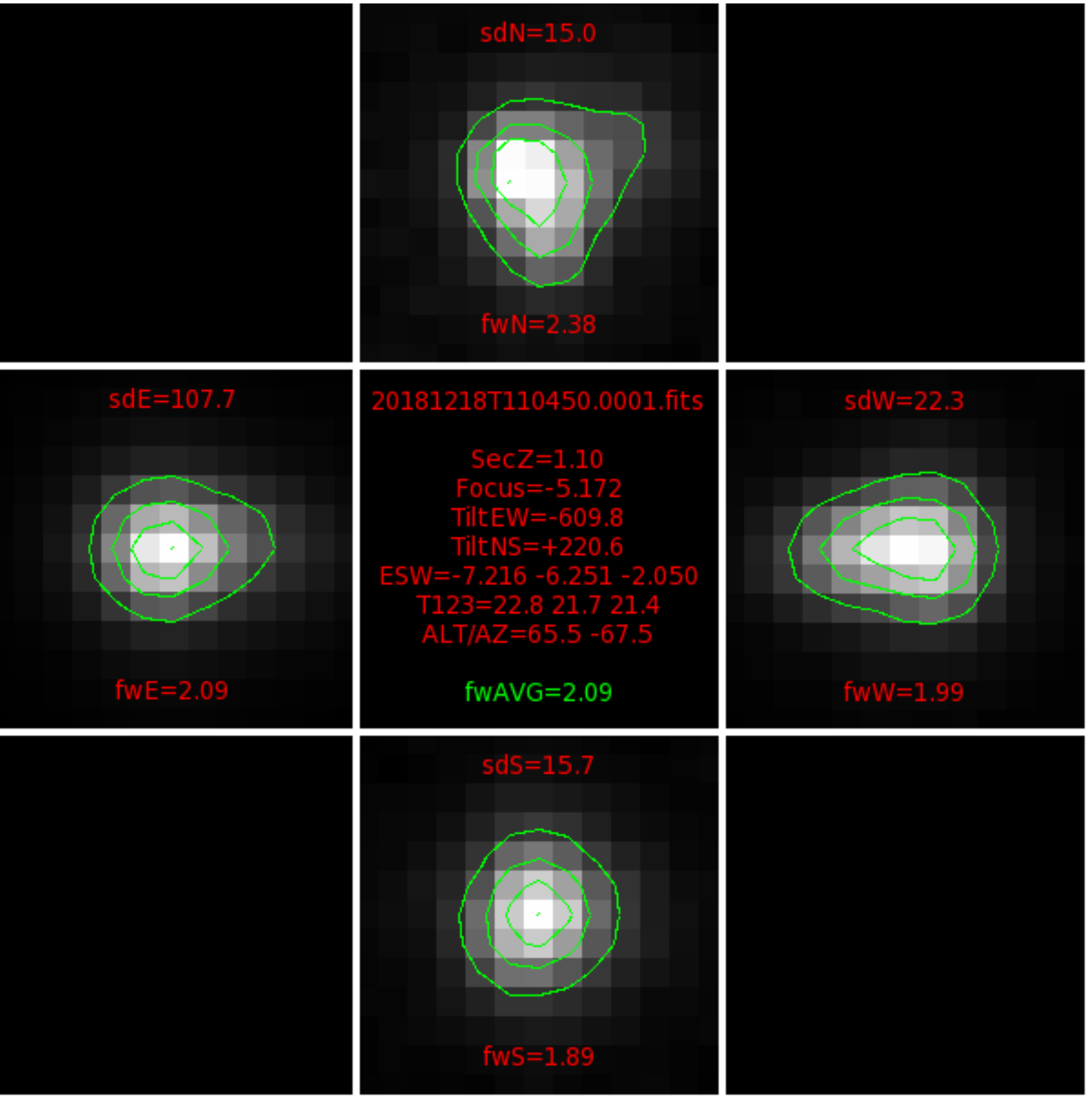
sdN=15.0
fwN=2.38
sdE=107.7
fwE=2.09
20181218T110450.0001.fits
SecZ=1.10
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=22.8 21.7 21.4
ALT/AZ=65.5 -67.5
fwAVG=2.09
sdW=22.3
fwW=1.99
sdS=15.7
fwS=1.89
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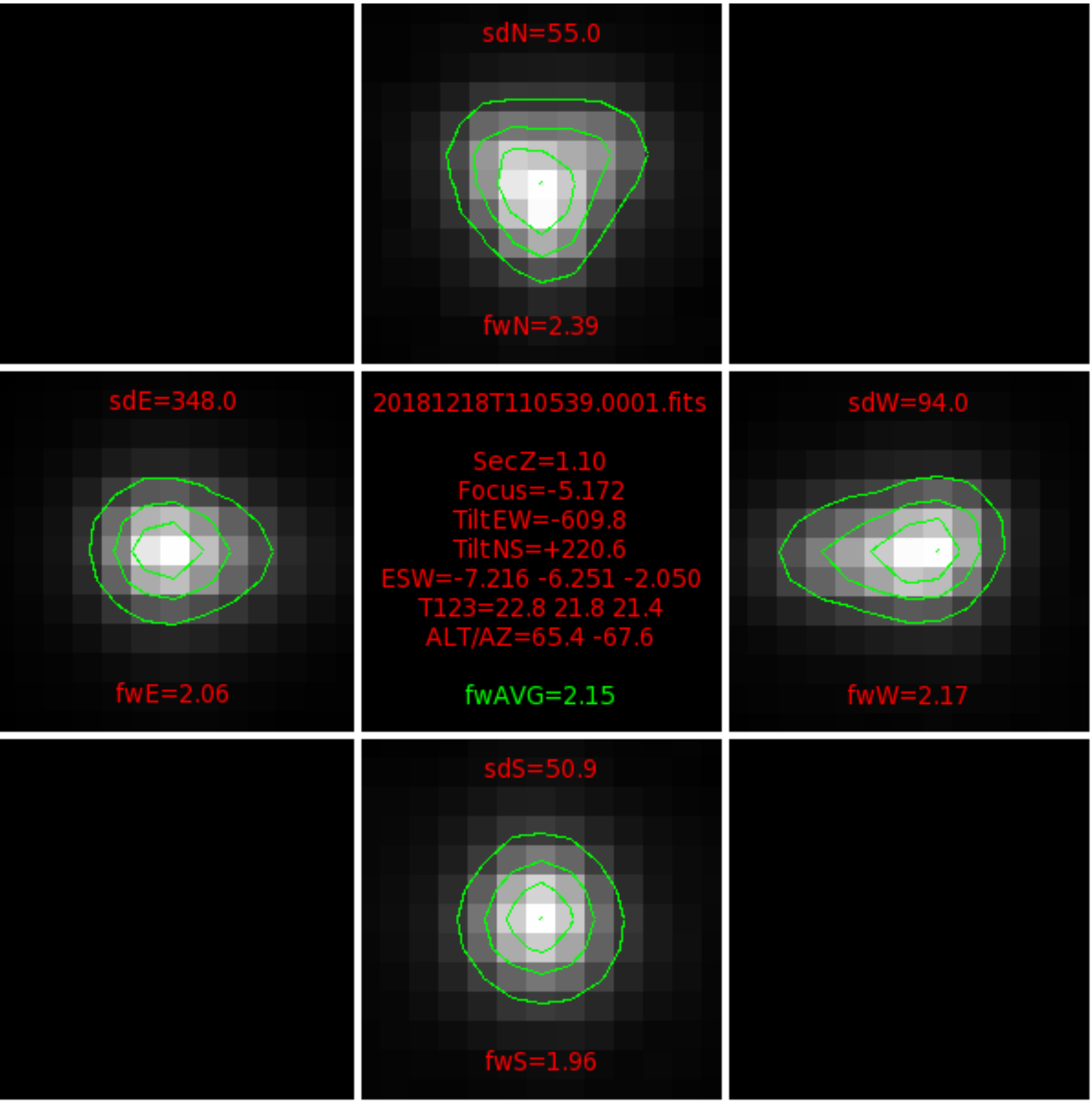
sdN=55.0
fwN=2.39
sdE=348.0
fwE=2.06
20181218T110539.0001.fits
SecZ=1.10
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=22.8 21.8 21.4
ALT/AZ=65.4 -67.6
fwAVG=2.15
sdW=94.0
fwW=2.17
sdS=50.9
fwS=1.96
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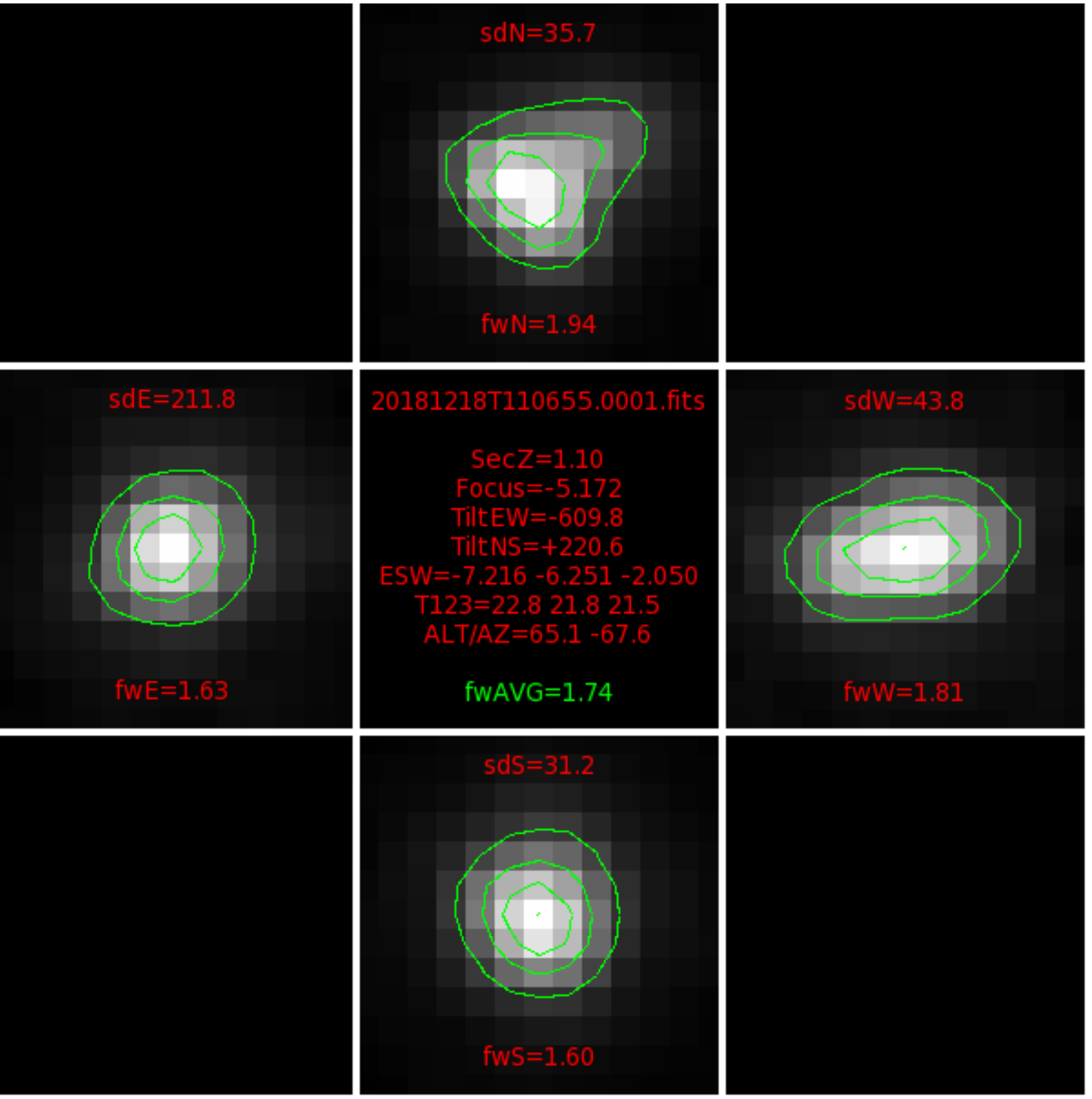
sdN=35.7
fwN=1.94
sdE=211.8
fwE=1.63
20181218T110655.0001.fits
SecZ=1.10
Focus=-5.172
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.216 -6.251 -2.050
T123=22.8 21.8 21.5
ALT/AZ=65.1 -67.6
fwAVG=1.74
sdW=43.8
fwW=1.81
sdS=31.2
fwS=1.60
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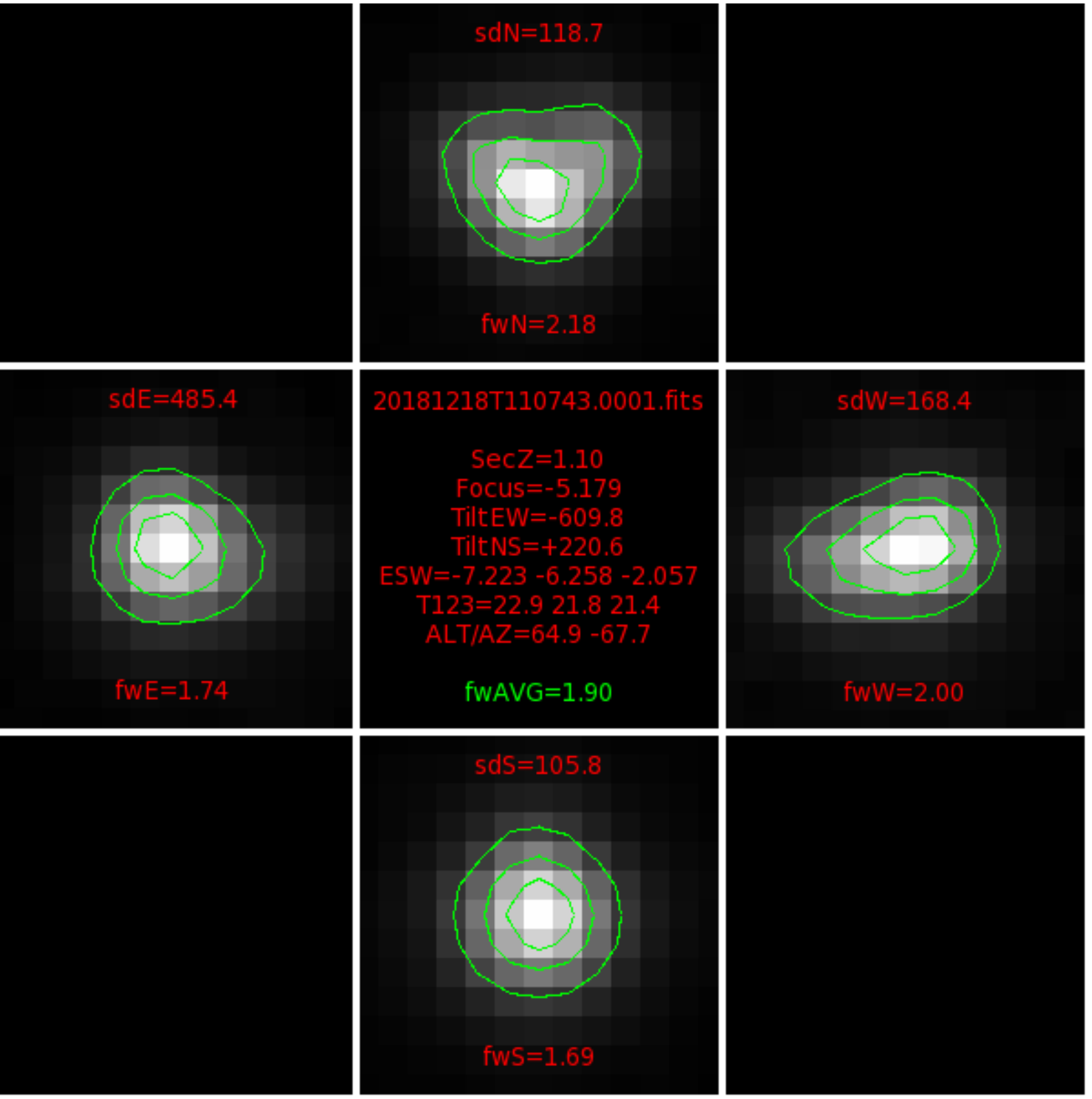
sdN=118.7
fwN=2.18
sdE=485.4
fwE=1.74
20181218T110743.0001.fits
SecZ=1.10
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=22.9 21.8 21.4
ALT/AZ=64.9 -67.7
fwAVG=1.90
sdW=168.4
fwW=2.00
sdS=105.8
fwS=1.69
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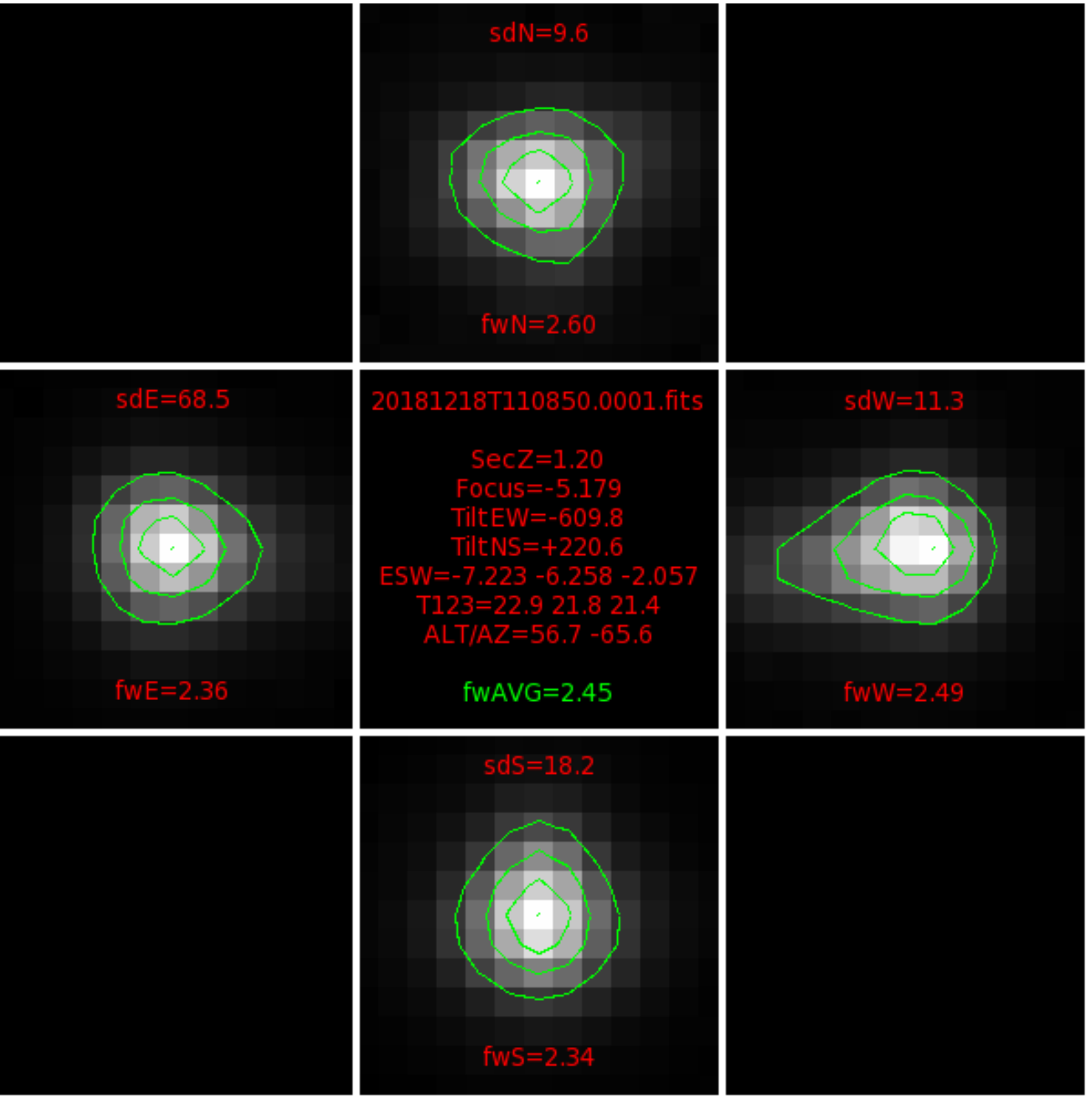
sdN=9.6
fwN=2.60
sdE=68.5
fwE=2.36
20181218T110850.0001.fits
SecZ=1.20
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=22.9 21.8 21.4
ALT/AZ=56.7 -65.6
fwAVG=2.45
sdW=11.3
fwW=2.49
sdS=18.2
fwS=2.34
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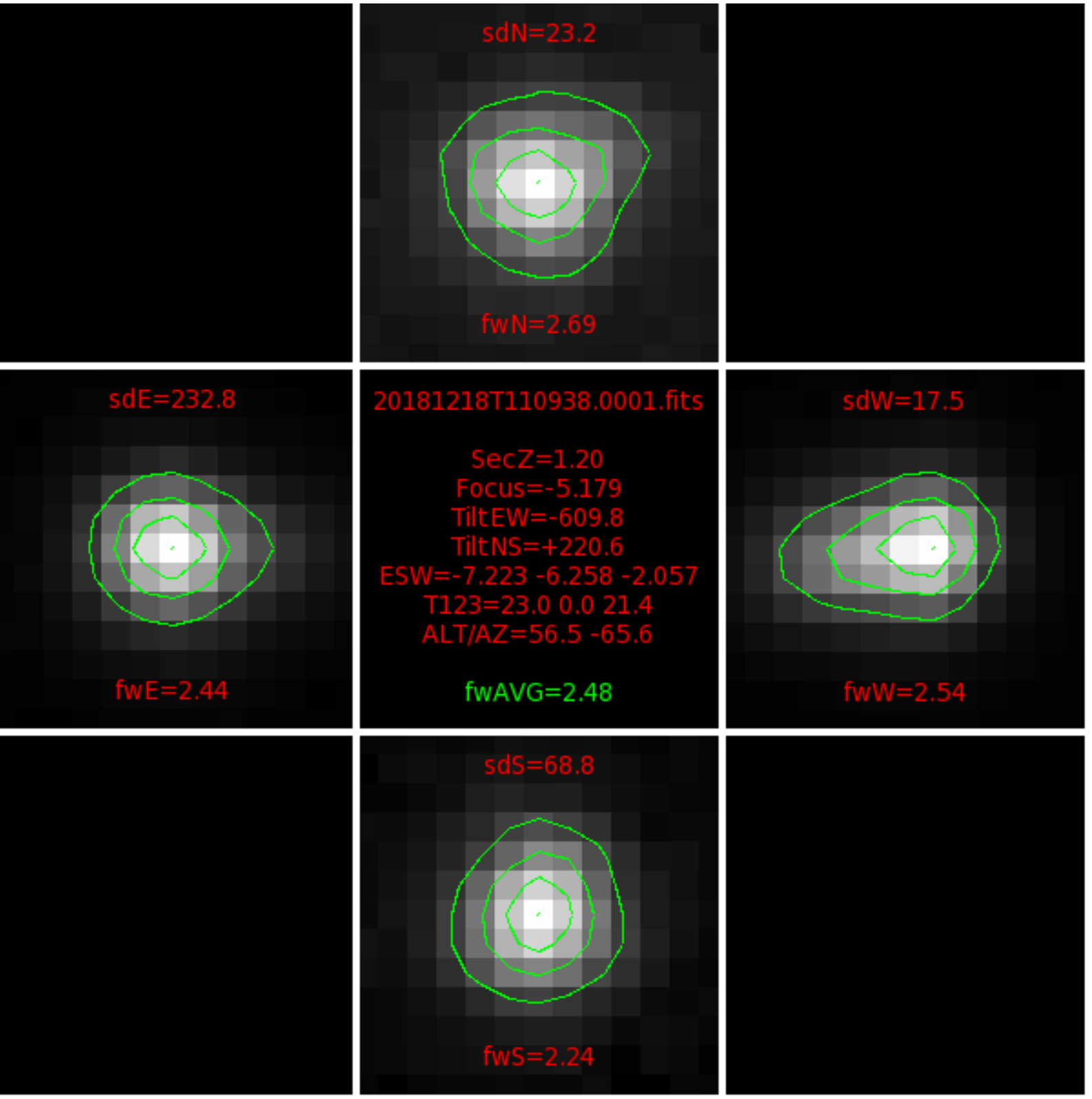
sdN=23.2
fwN=2.69
sdE=232.8
fwE=2.44
20181218T110938.0001.fits
SecZ=1.20
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=23.0 0.0 21.4
ALT/AZ=56.5 -65.6
fwAVG=2.48
sdW=17.5
fwW=2.54
sdS=68.8
fwS=2.24
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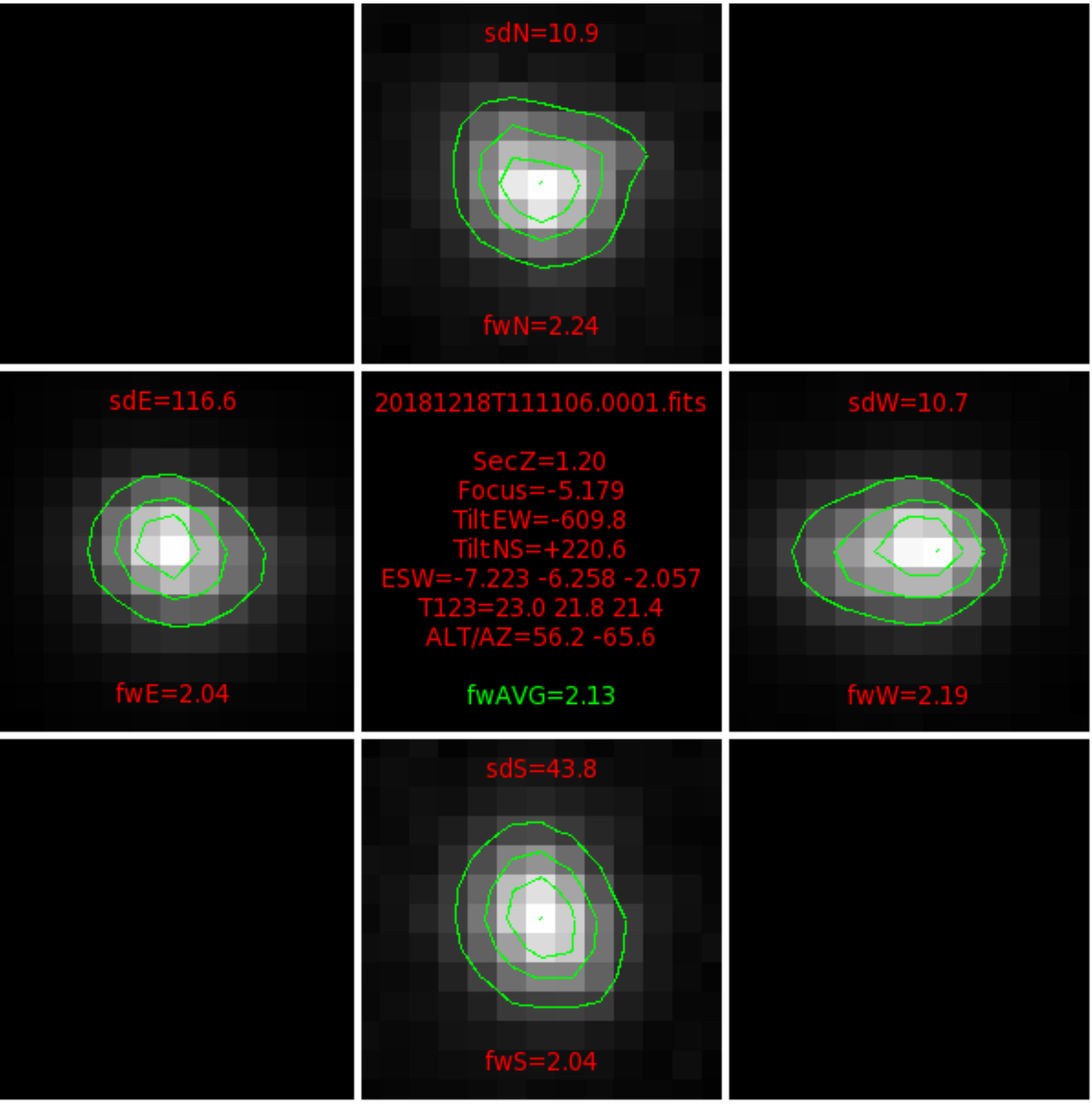
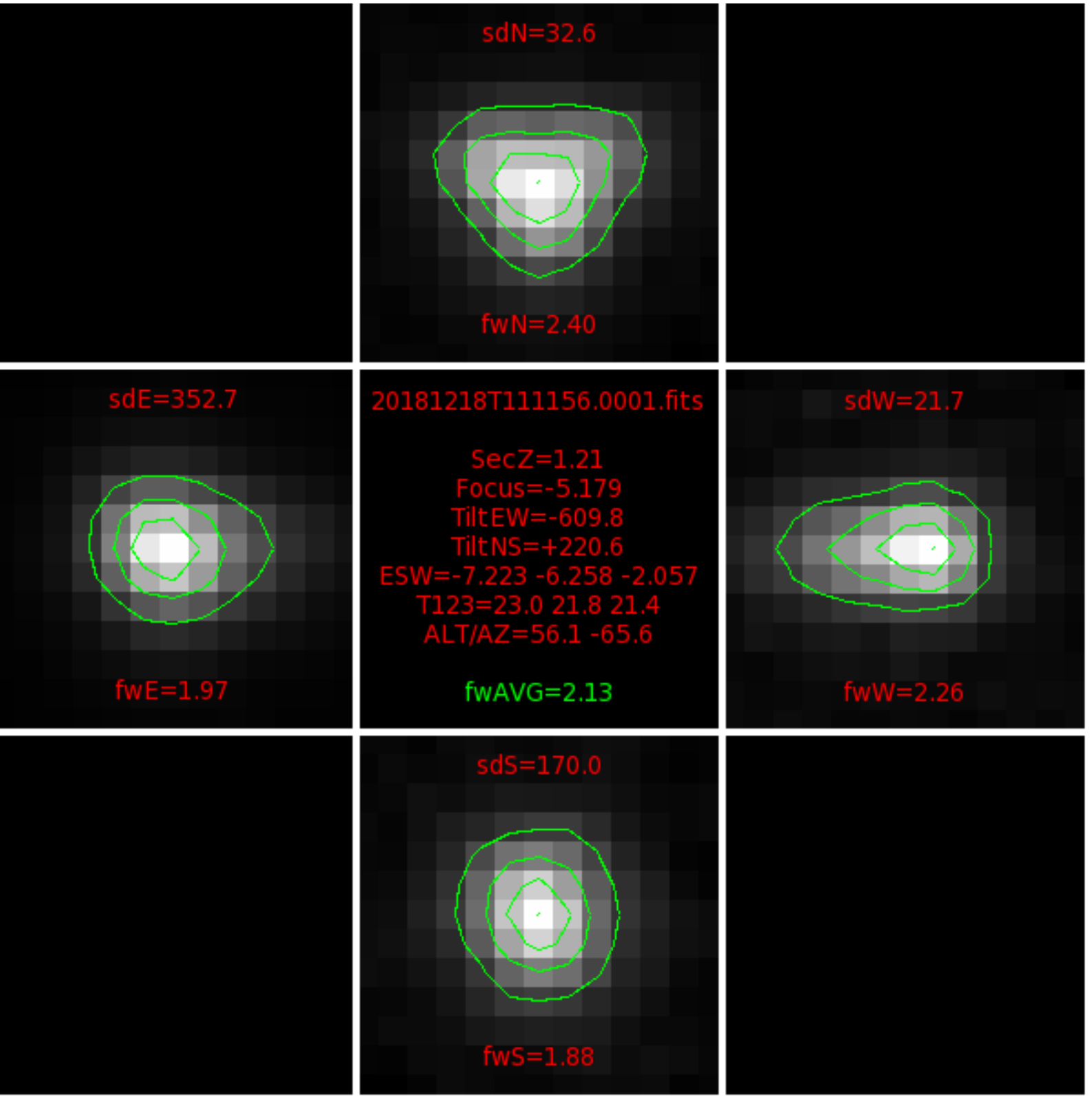
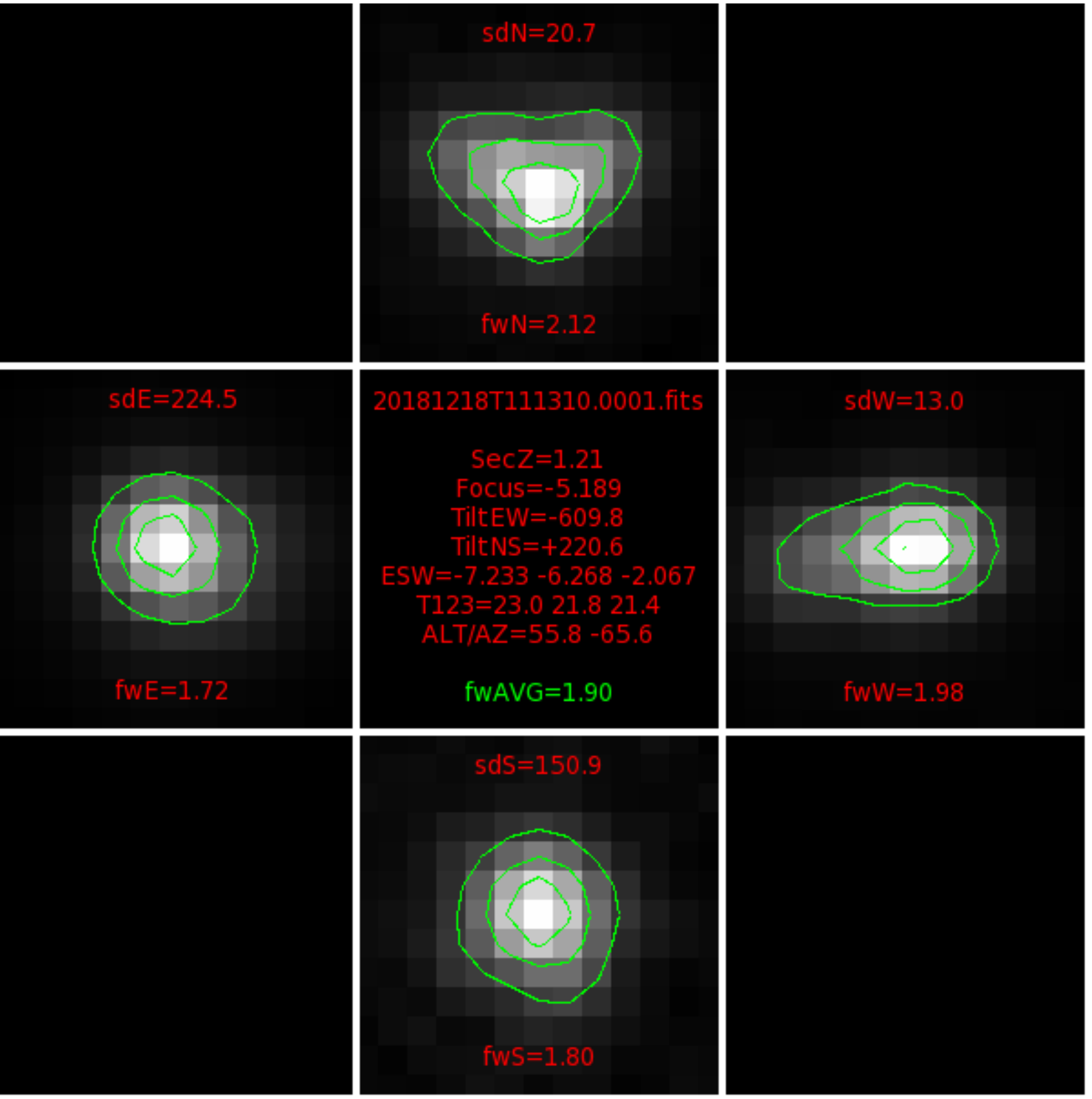

sdN=10.9
fwN=2.24
sdE=116.6
fwE=2.04
20181218T111106.0001.fits
SecZ=1.20
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=23.0 21.8 21.4
ALT/AZ=56.2 -65.6
fwAVG=2.13
sdW=10.7
fwW=2.19
sdS=43.8
fwS=2.04
0 0 0 0 0 0 0 0 0


sdN=32.6
fwN=2.40
sdE=352.7
fwE=1.97
20181218T111156.0001.fits
SecZ=1.21
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=23.0 21.8 21.4
ALT/AZ=56.1 -65.6
fwAVG=2.13
sdW=21.7
fwW=2.26
sdS=170.0
fwS=1.88
0 0 0 0 0 0 0 0 0


sdN=20.7
fwN=2.12
sdE=224.5
fwE=1.72
20181218T111310.0001.fits
SecZ=1.21
Focus=-5.189
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.233 -6.268 -2.067
T123=23.0 21.8 21.4
ALT/AZ=55.8 -65.6
fwAVG=1.90
sdW=13.0
fwW=1.98
sdS=150.9
fwS=1.80
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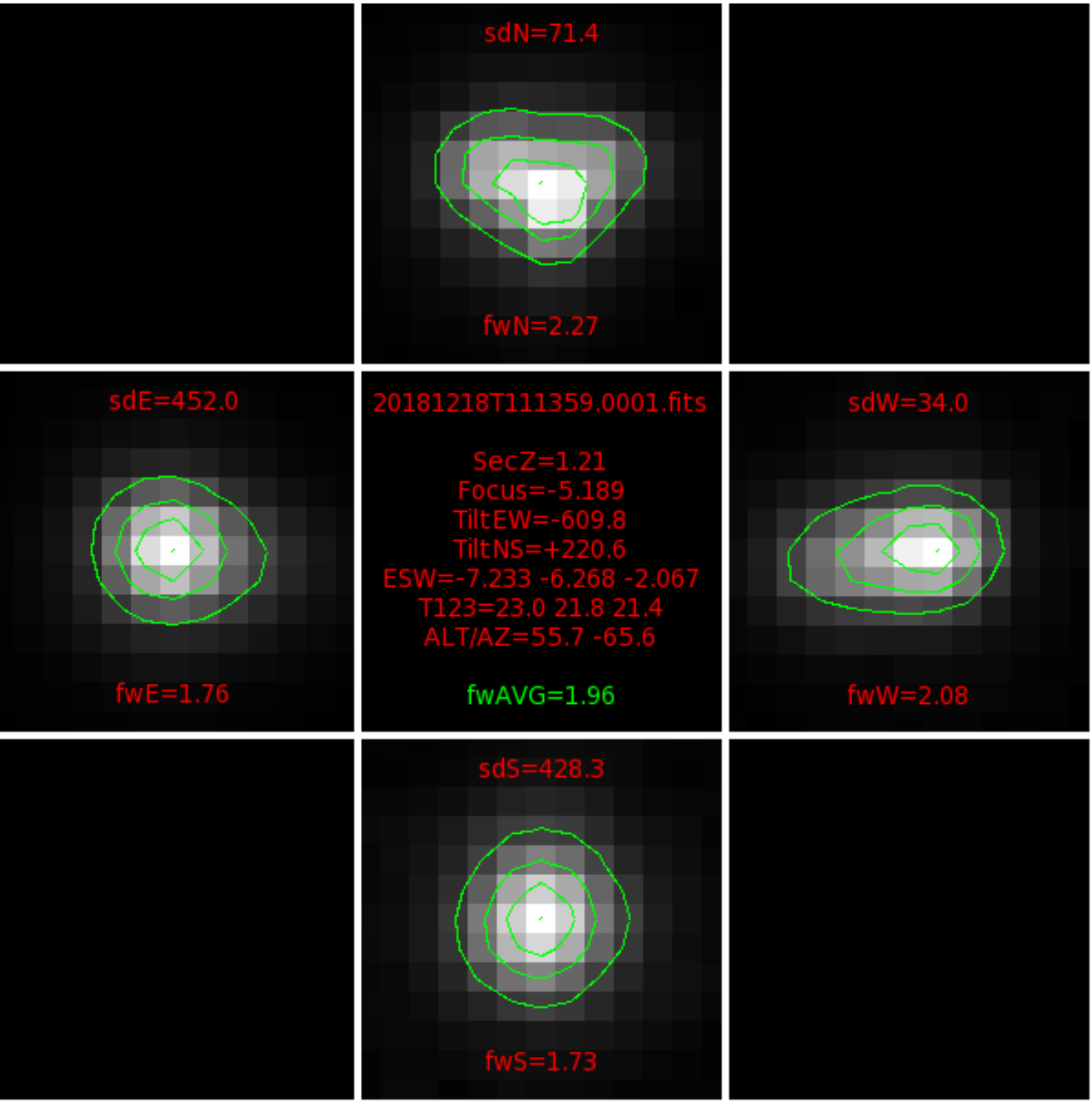
sdN=71.4
fwN=2.27
sdE=452.0
fwE=1.76
20181218T111359.0001.fits
SecZ=1.21
Focus=-5.189
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.233 -6.268 -2.067
T123=23.0 21.8 21.4
ALT/AZ=55.7 -65.6
fwAVG=1.96
sdW=34.0
fwW=2.08
sdS=428.3
fwS=1.73
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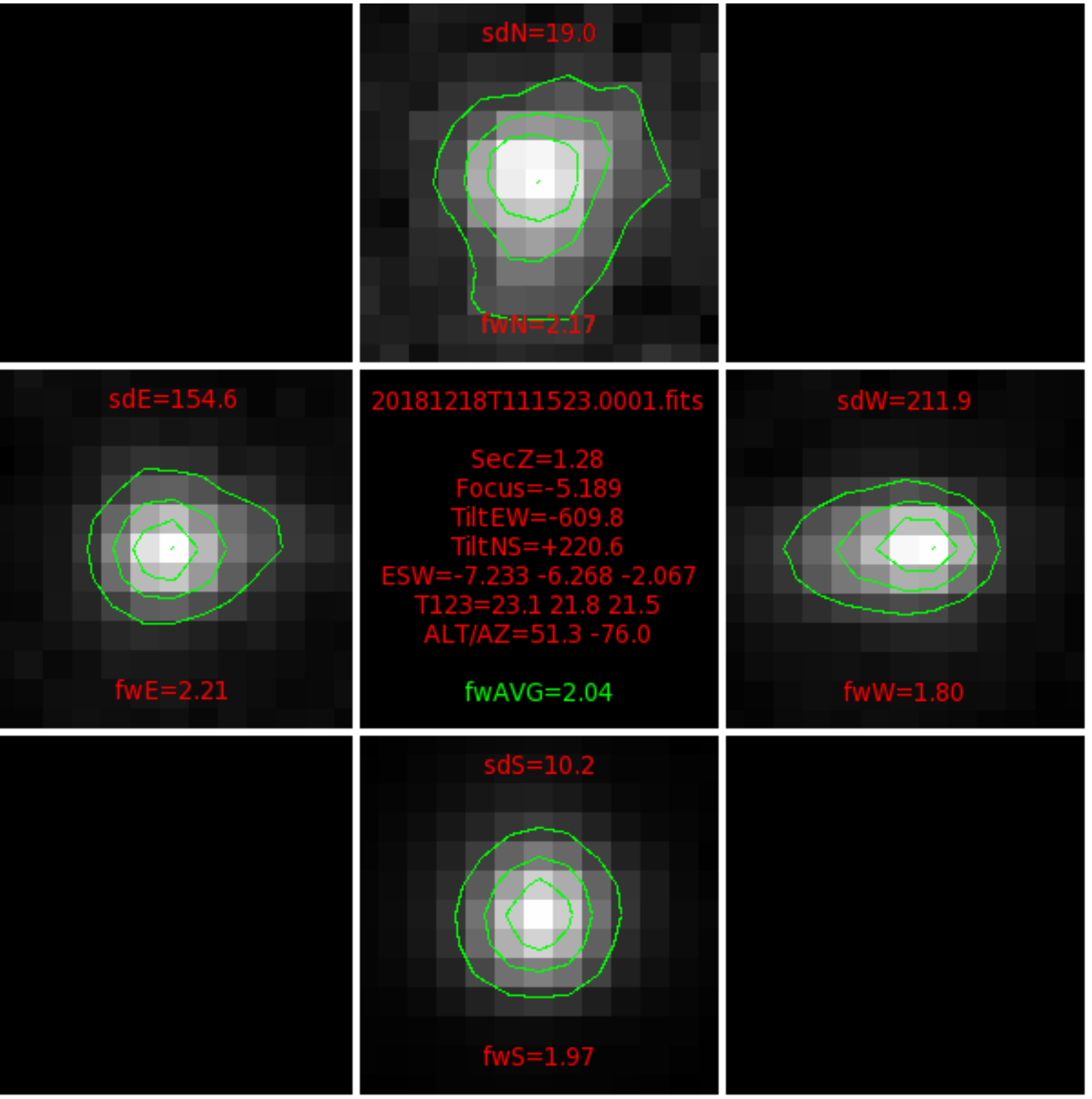
sdN=19.0
fwN=2.17
sdE=154.6
fwE=2.21
20181218T111523.0001.fits
SecZ=1.28
Focus=-5.189
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.233 -6.268 -2.067
T123=23.1 21.8 21.5
ALT/AZ=51.3 -76.0
fwAVG=2.04
sdW=211.9
fwW=1.80
sdS=10.2
fwS=1.97
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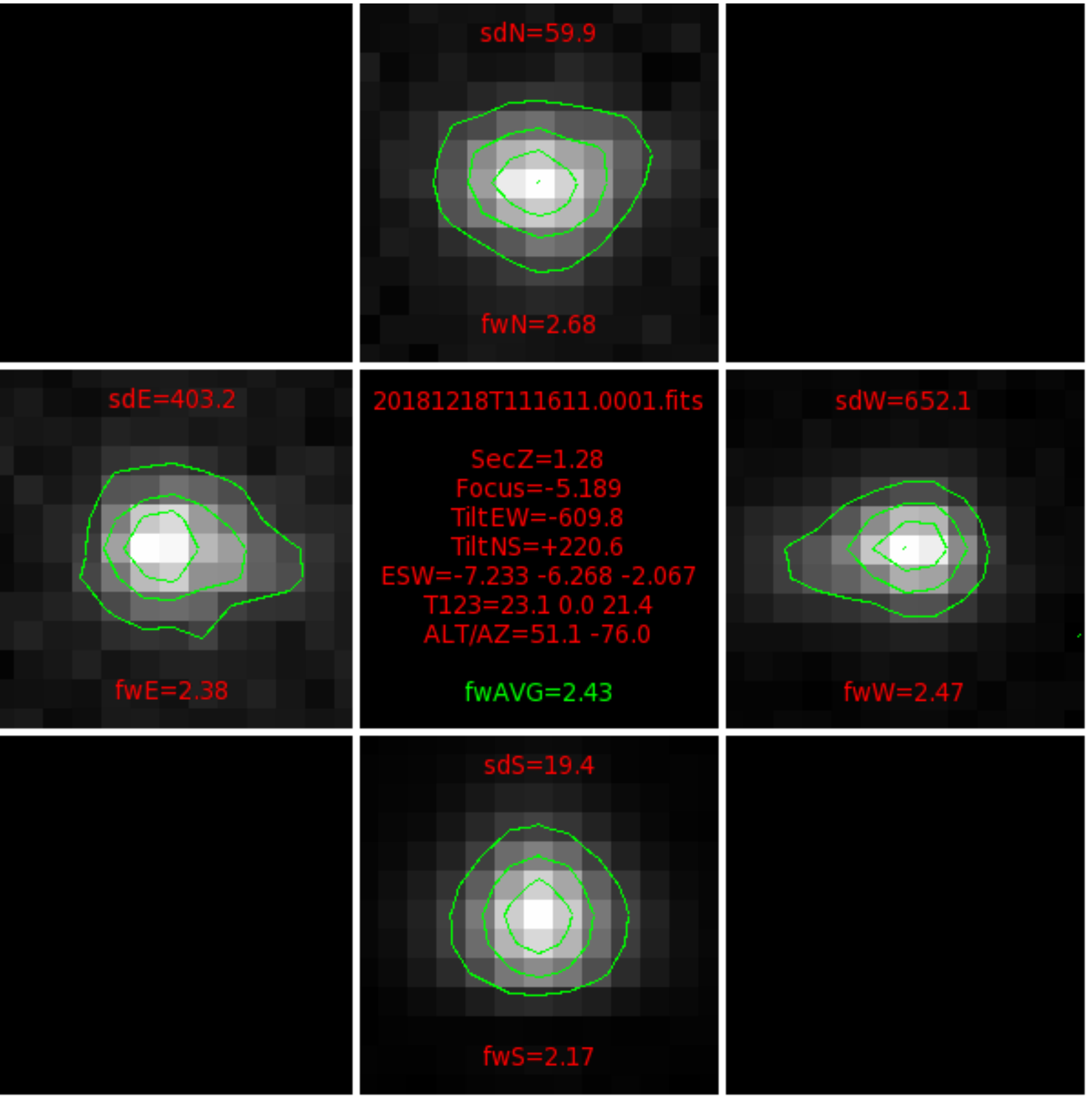
sdN=59.9
fwN=2.68
sdE=403.2
fwE=2.38
20181218T111611.0001.fits
SecZ=1.28
Focus=-5.189
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.233 -6.268 -2.067
T123=23.1 0.0 21.4
ALT/AZ=51.1 -76.0
fwAVG=2.43
sdW=652.1
fwW=2.47
sdS=19.4
fwS=2.17
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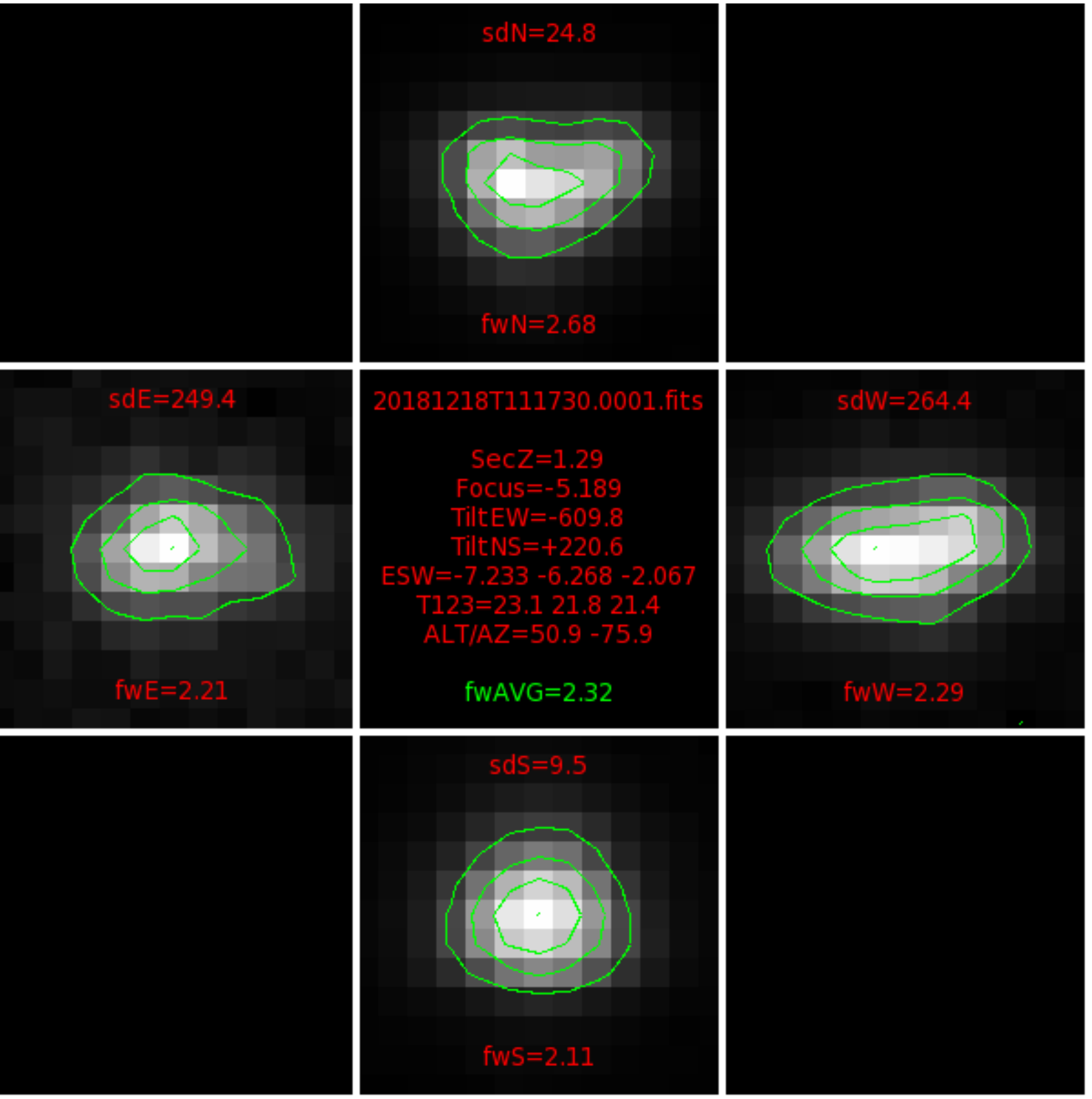
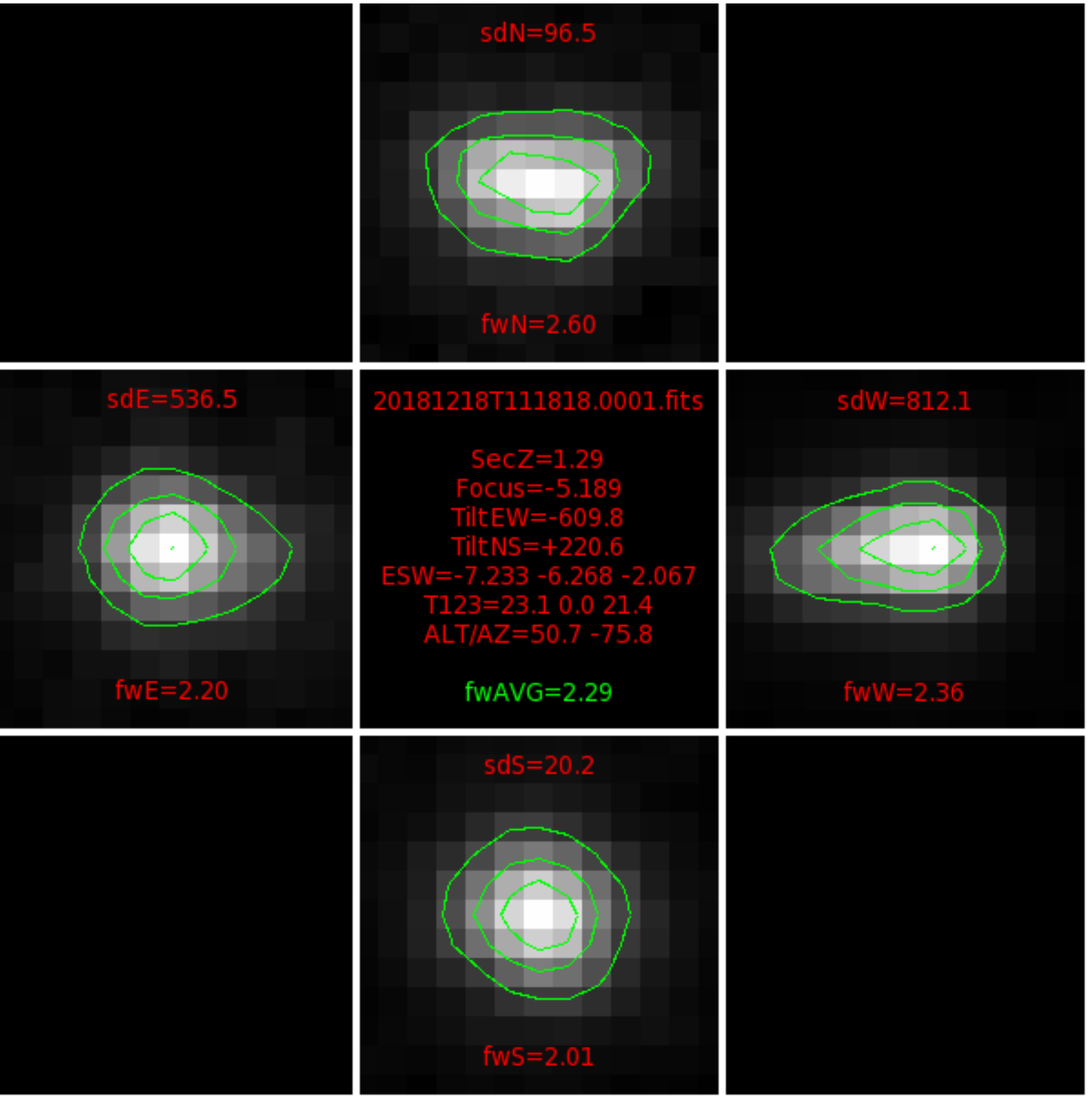
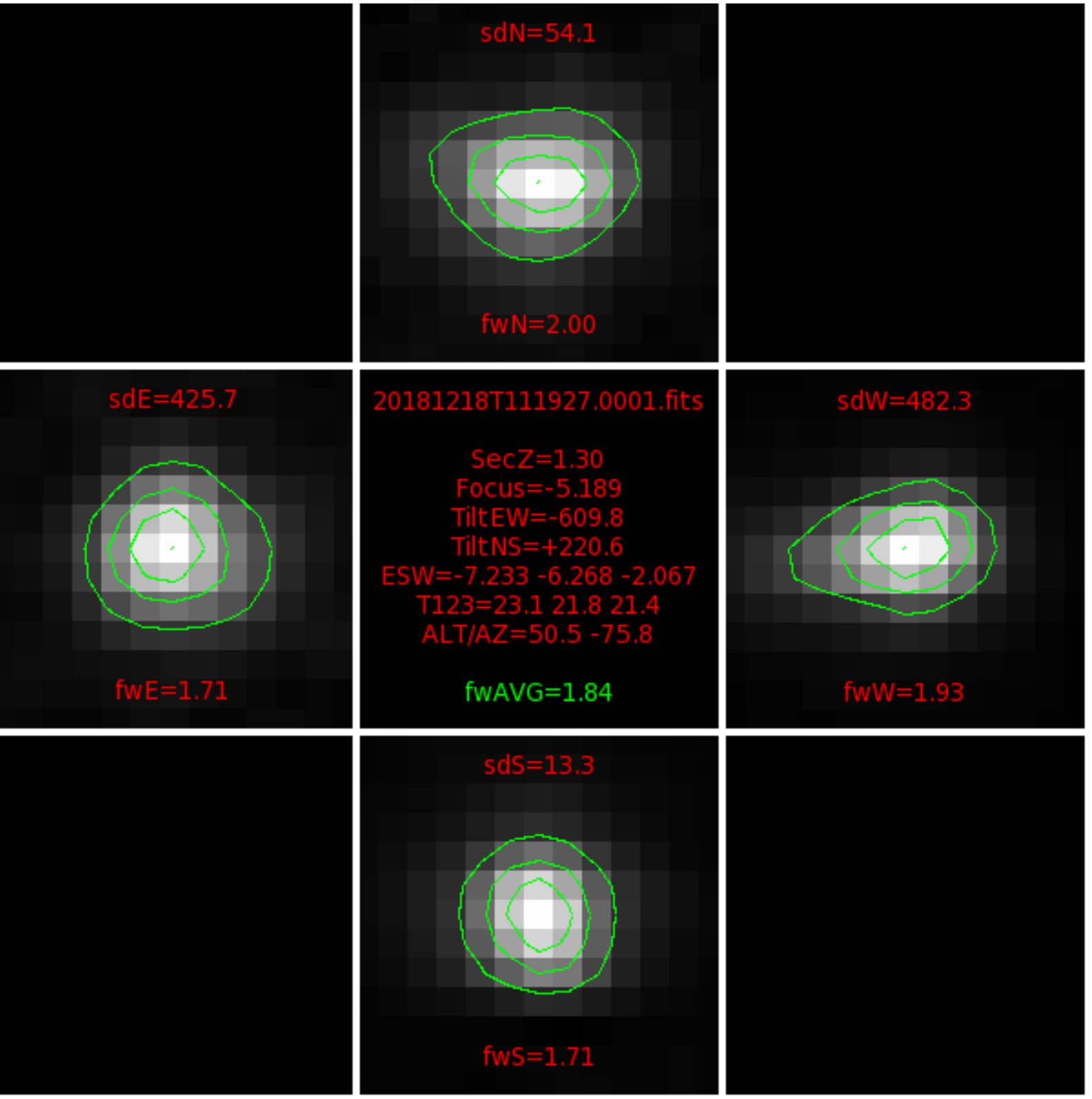
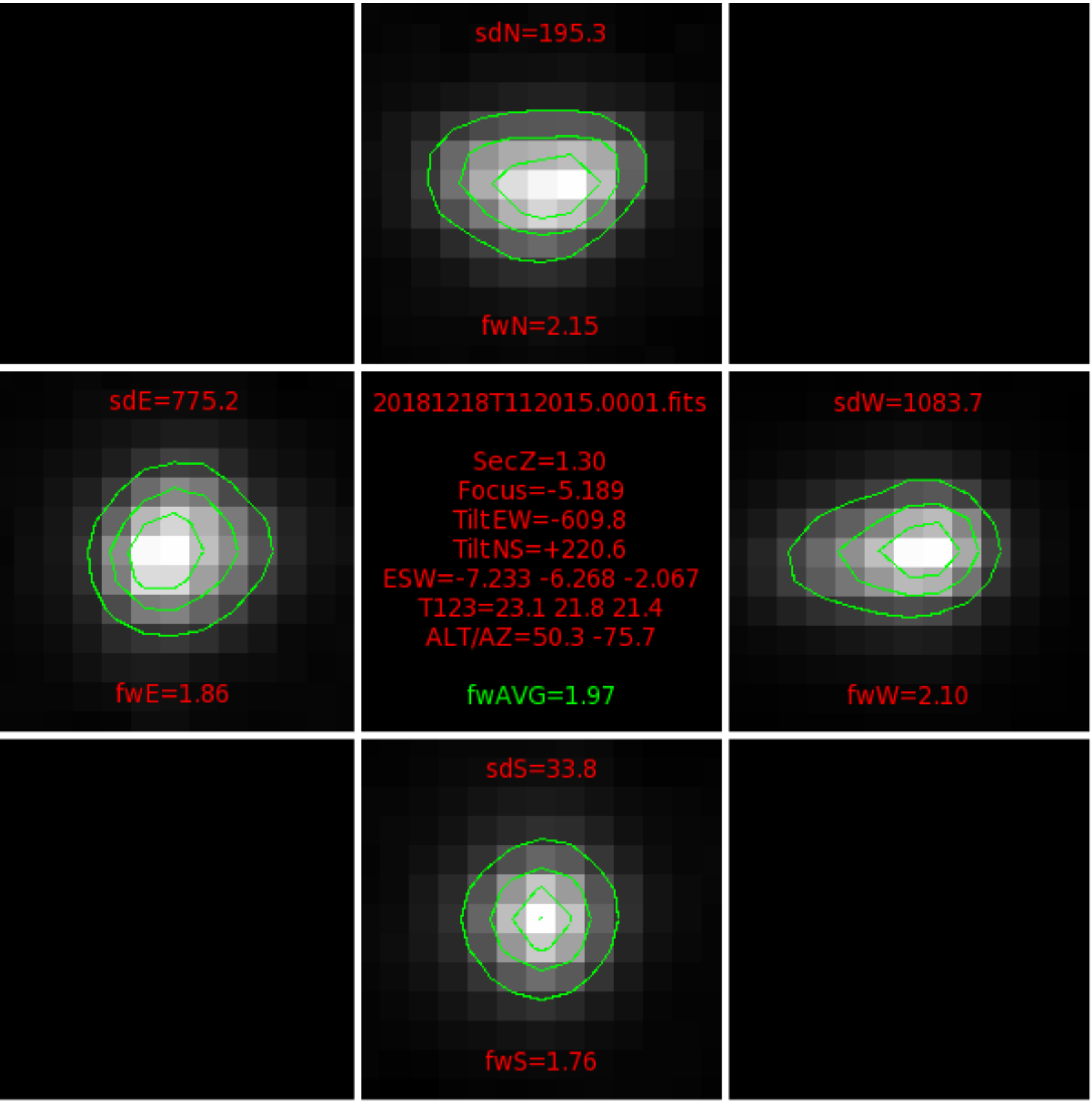
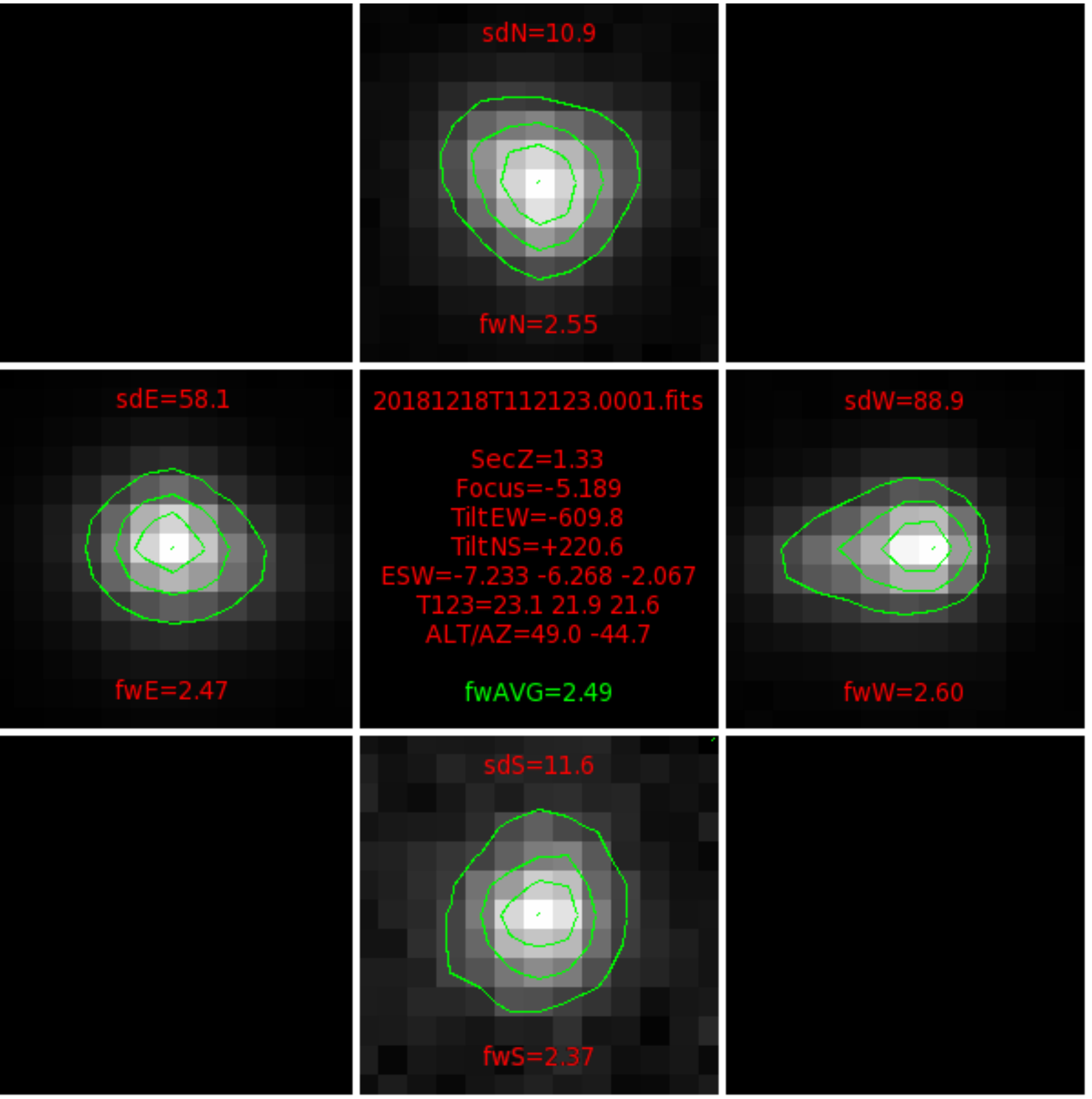

sdN=24.8
fwN=2.68
sdE=249.4
fwE=2.21
20181218T111730.0001.fits
SecZ=1.29
Focus=-5.189
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.233 -6.268 -2.067
T123=23.1 21.8 21.4
ALT/AZ=50.9 -75.9
fwAVG=2.32
sdW=264.4
fwW=2.29
sdS=9.5
fwS=2.11
0 0 0 0 0 0 0 0 0


sdN=96.5
fwN=2.60
sdE=536.5
fwE=2.20
20181218T111818.0001.fits
SecZ=1.29
Focus=-5.189
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.233 -6.268 -2.067
T123=23.1 0.0 21.4
ALT/AZ=50.7 -75.8
fwAVG=2.29
sdW=812.1
fwW=2.36
sdS=20.2
fwS=2.01
0 0 0 0 0 0 0 0 0


sdN=54.1
fwN=2.00
sdE=425.7
fwE=1.71
20181218T111927.0001.fits
SecZ=1.30
Focus=-5.189
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.233 -6.268 -2.067
T123=23.1 21.8 21.4
ALT/AZ=50.5 -75.8
fwAVG=1.84
sdW=482.3
fwW=1.93
sdS=13.3
fwS=1.71
0 0 0 0 0 0 0 0 0


sdN=195.3
fwN=2.15
sdE=775.2
fwE=1.86
20181218T112015.0001.fits
SecZ=1.30
Focus=-5.189
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.233 -6.268 -2.067
T123=23.1 21.8 21.4
ALT/AZ=50.3 -75.7
fwAVG=1.97
sdW=1083.7
fwW=2.10
sdS=33.8
fwS=1.76
0 0 0 0 0 0 0 0 0


sdN=10.9
fwN=2.55
sdE=58.1
fwE=2.47
20181218T112123.0001.fits
SecZ=1.33
Focus=-5.189
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.233 -6.268 -2.067
T123=23.1 21.9 21.6
ALT/AZ=49.0 -44.7
fwAVG=2.49
sdW=88.9
fwW=2.60
sdS=11.6
fwS=2.37
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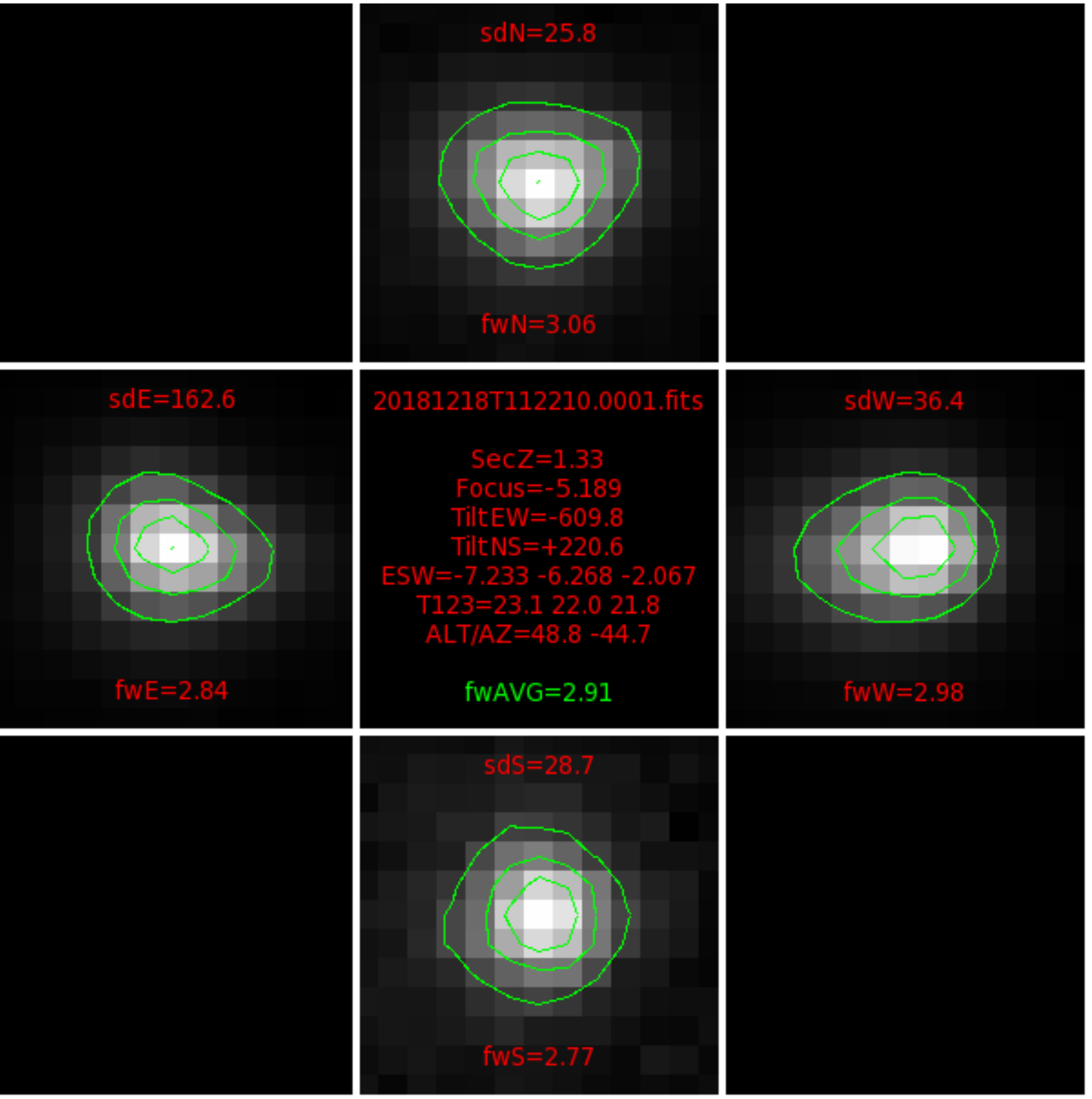
sdN=25.8
fwN=3.06
sdE=162.6
fwE=2.84
20181218T112210.0001.fits
SecZ=1.33
Focus=-5.189
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.233 -6.268 -2.067
T123=23.1 22.0 21.8
ALT/AZ=48.8 -44.7
fwAVG=2.91
sdW=36.4
fwW=2.98
sdS=28.7
fwS=2.77
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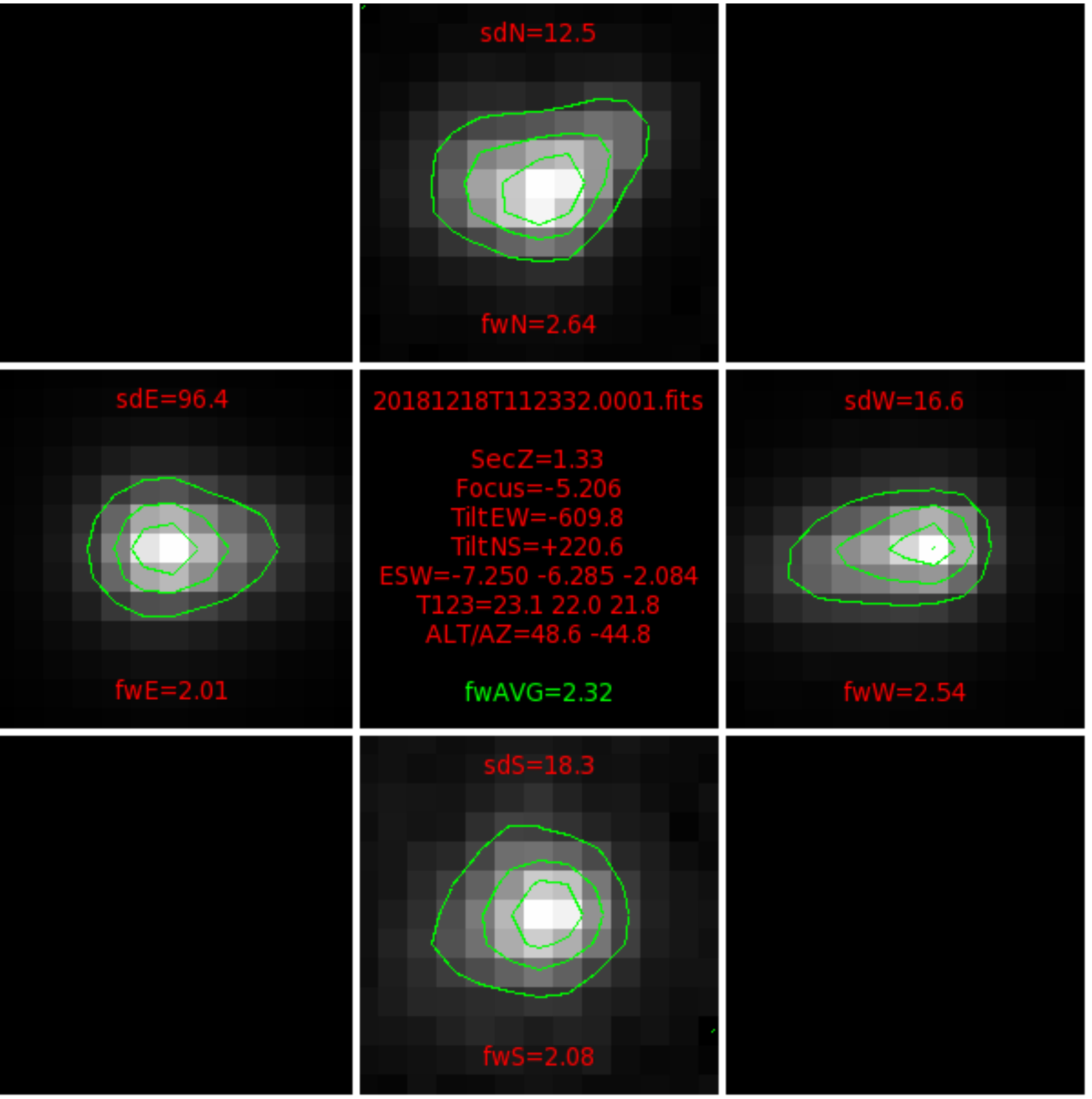
sdN=12.5
fwN=2.64
sdE=96.4
fwE=2.01
20181218T112332.0001.fits
SecZ=1.33
Focus=-5.206
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.250 -6.285 -2.084
T123=23.1 22.0 21.8
ALT/AZ=48.6 -44.8
fwAVG=2.32
sdW=16.6
fwW=2.54
sdS=18.3
fwS=2.08
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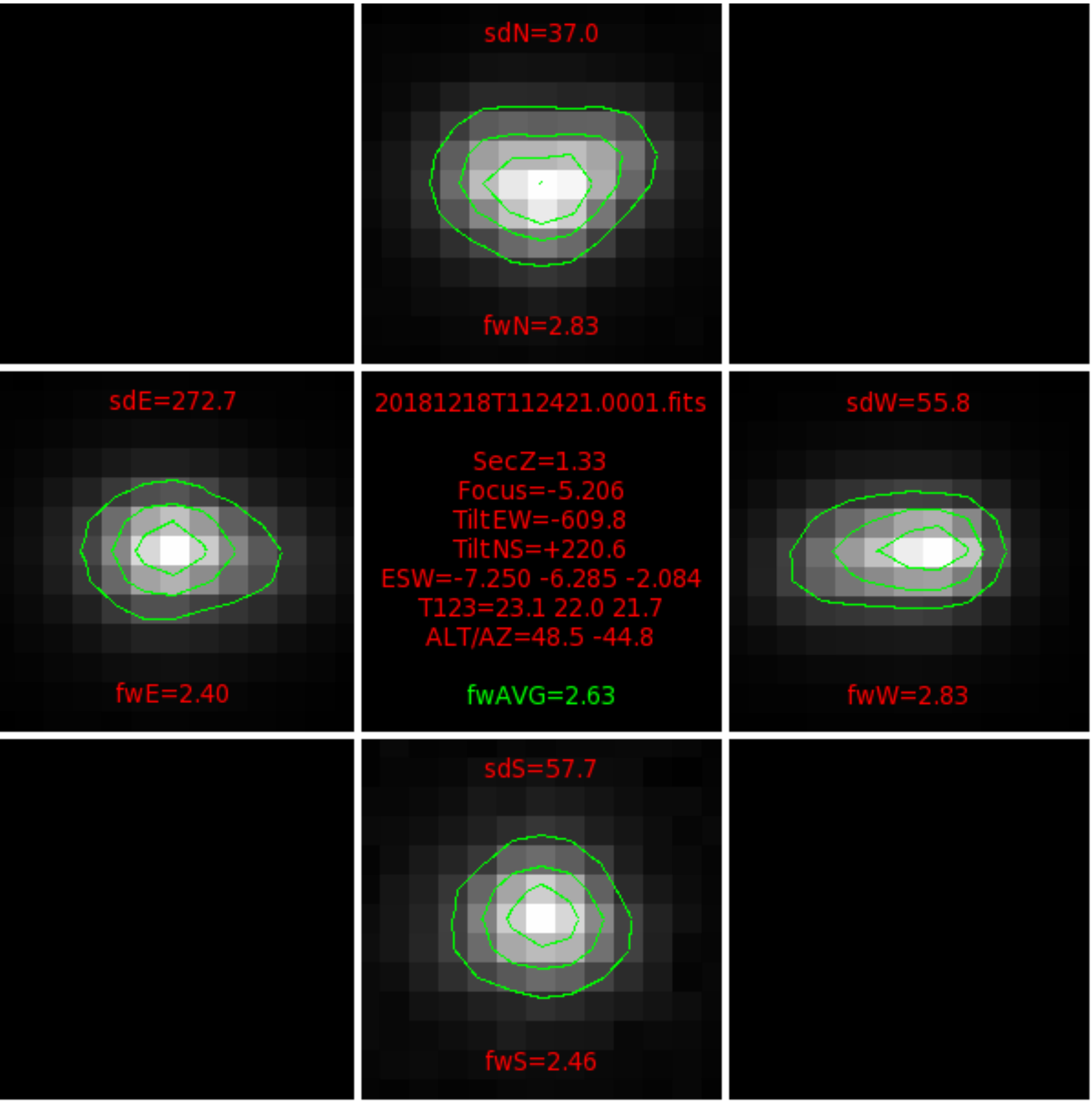
sdN=37.0
fwN=2.83
sdE=272.7
fwE=2.40
20181218T112421.0001.fits
SecZ=1.33
Focus=-5.206
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.250 -6.285 -2.084
T123=23.1 22.0 21.7
ALT/AZ=48.5 -44.8
fwAVG=2.63
sdW=55.8
fwW=2.83
sdS=57.7
fwS=2.46
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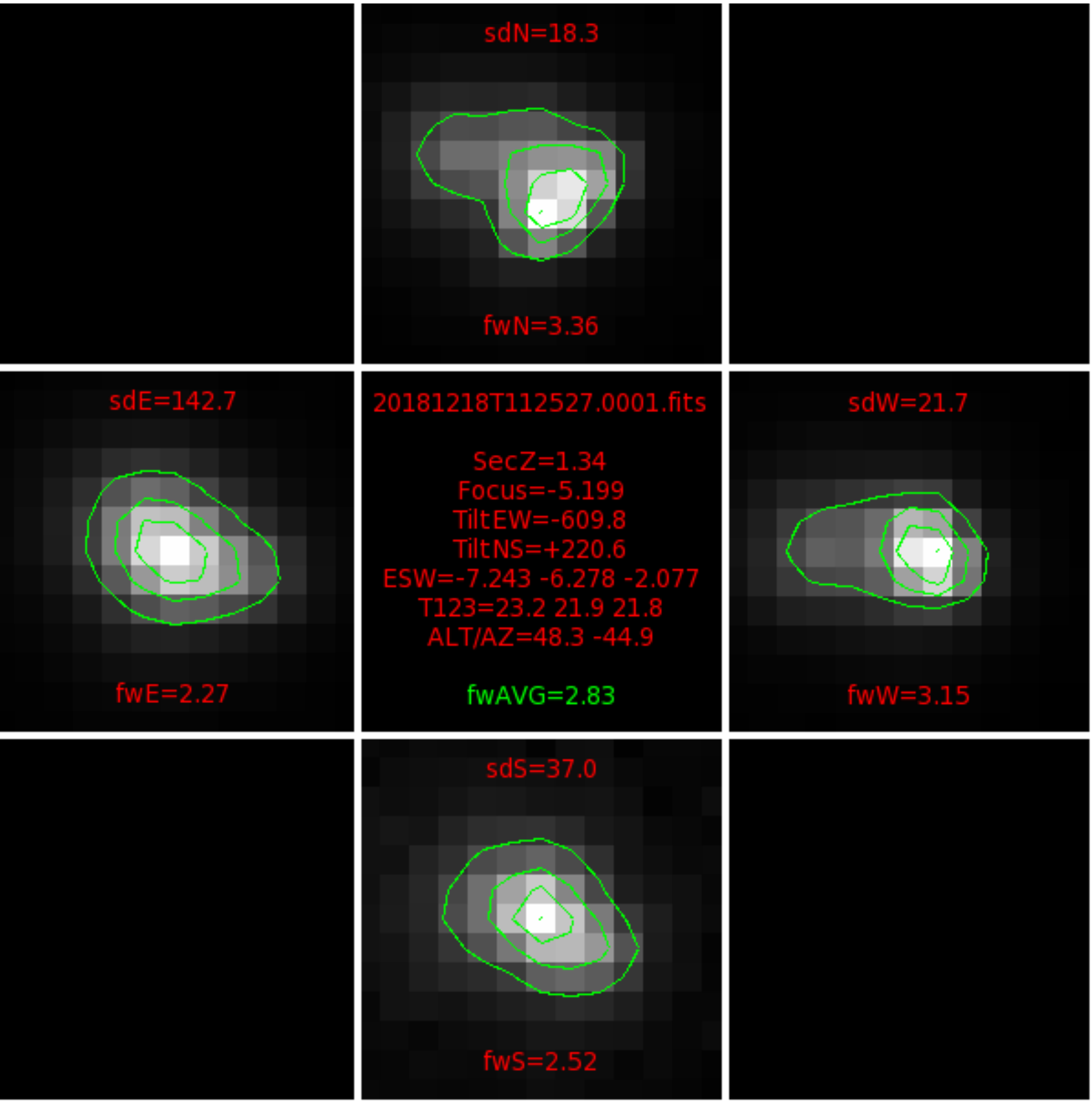
sdN=18.3
fwN=3.36
sdE=142.7
fwE=2.27
20181218T112527.0001.fits
SecZ=1.34
Focus=-5.199
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.243 -6.278 -2.077
T123=23.2 21.9 21.8
ALT/AZ=48.3 -44.9
fwAVG=2.83
sdW=21.7
fwW=3.15
sdS=37.0
fwS=2.52
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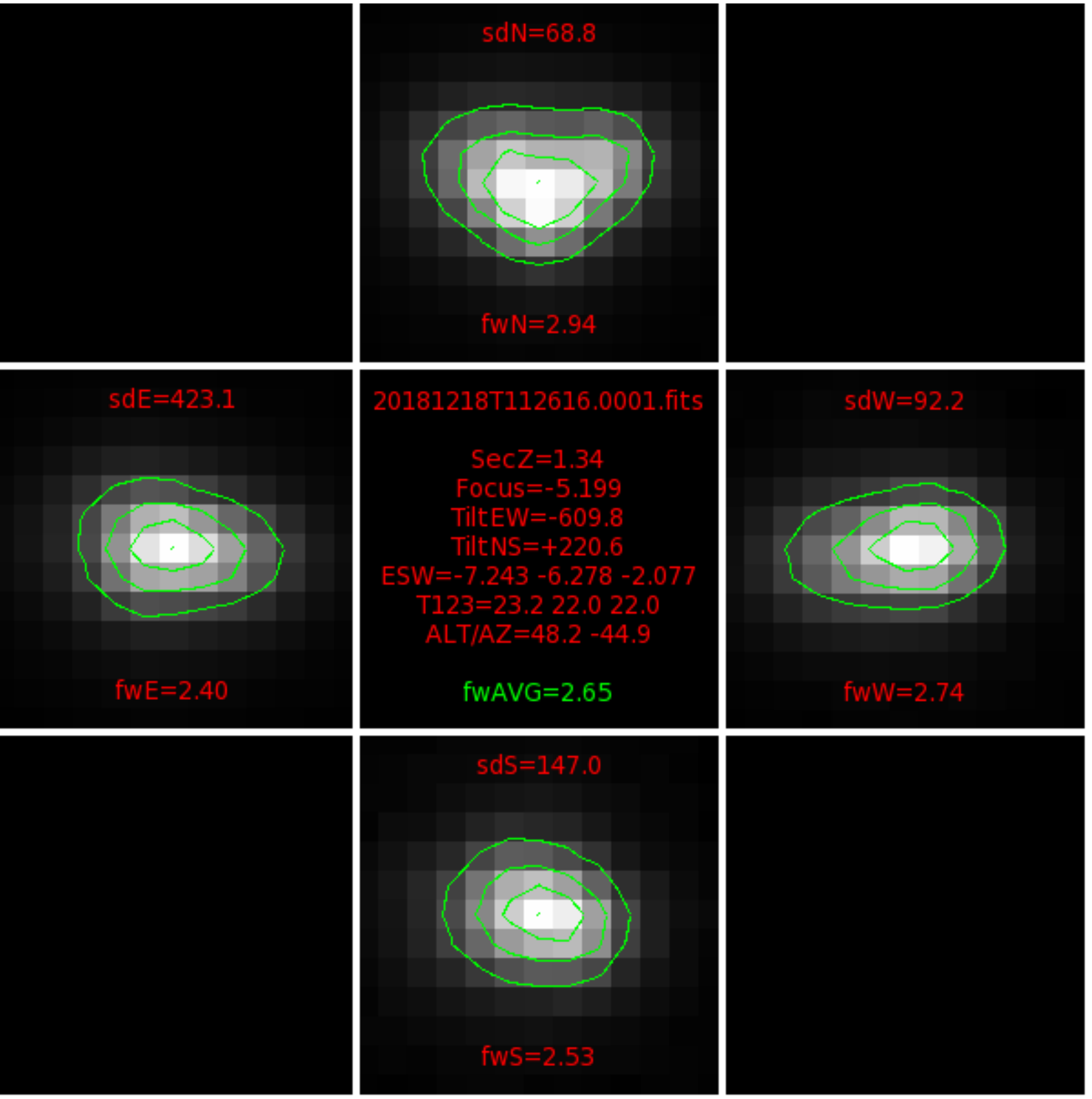
sdN=68.8
fwN=2.94
sdE=423.1
fwE=2.40
20181218T112616.0001.fits
SecZ=1.34
Focus=-5.199
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.243 -6.278 -2.077
T123=23.2 22.0 22.0
ALT/AZ=48.2 -44.9
fwAVG=2.65
sdW=92.2
fwW=2.74
sdS=147.0
fwS=2.53
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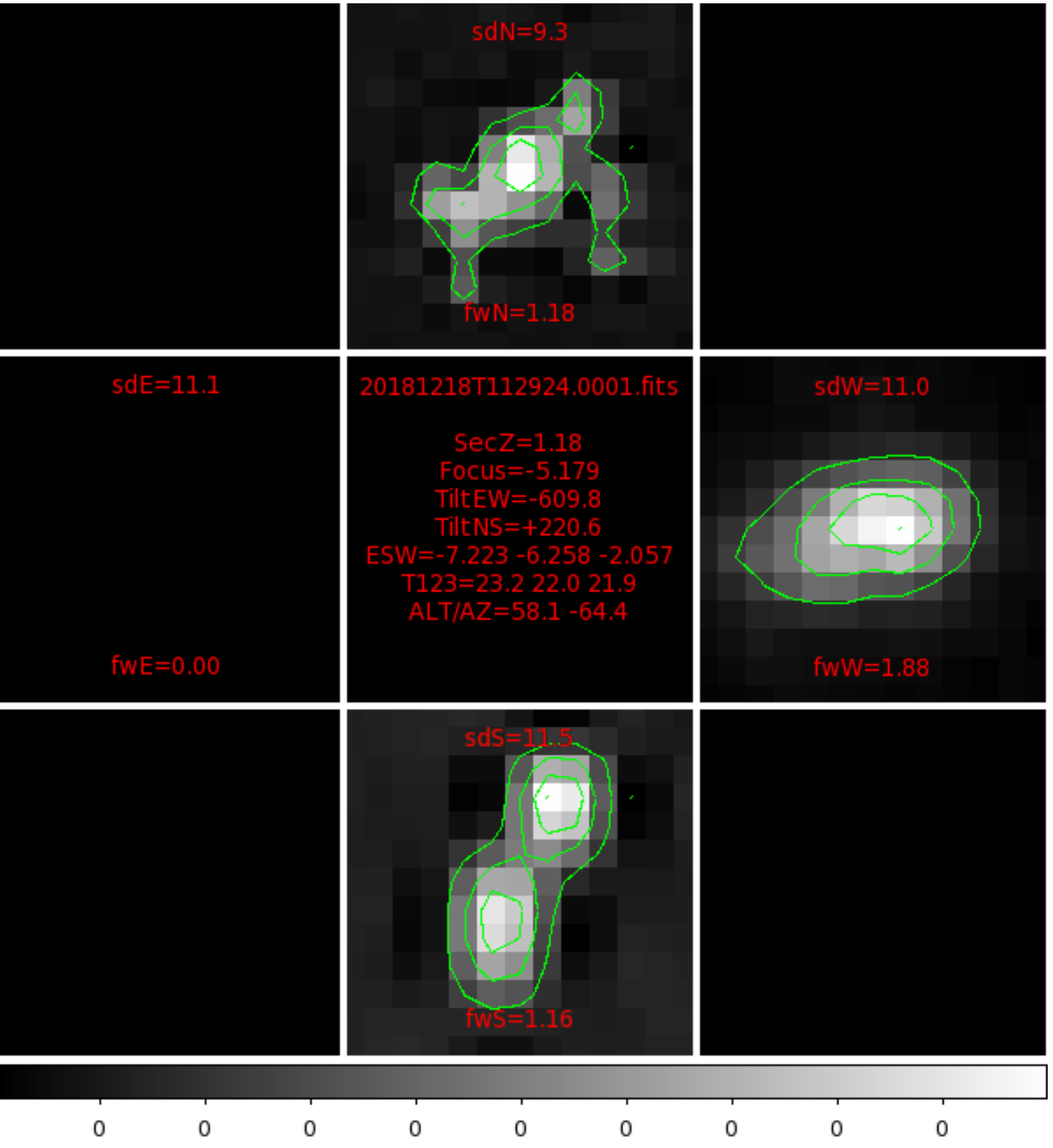
sdN=9.3
fwN=1.18
sdE=11.1
fwE=0.00
20181218T112924.0001.fits
SecZ=1.18
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=23.2 22.0 21.9
ALT/AZ=58.1 -64.4
sdW=11.0
fwW=1.88
sdS=11.5
fwS=1.16
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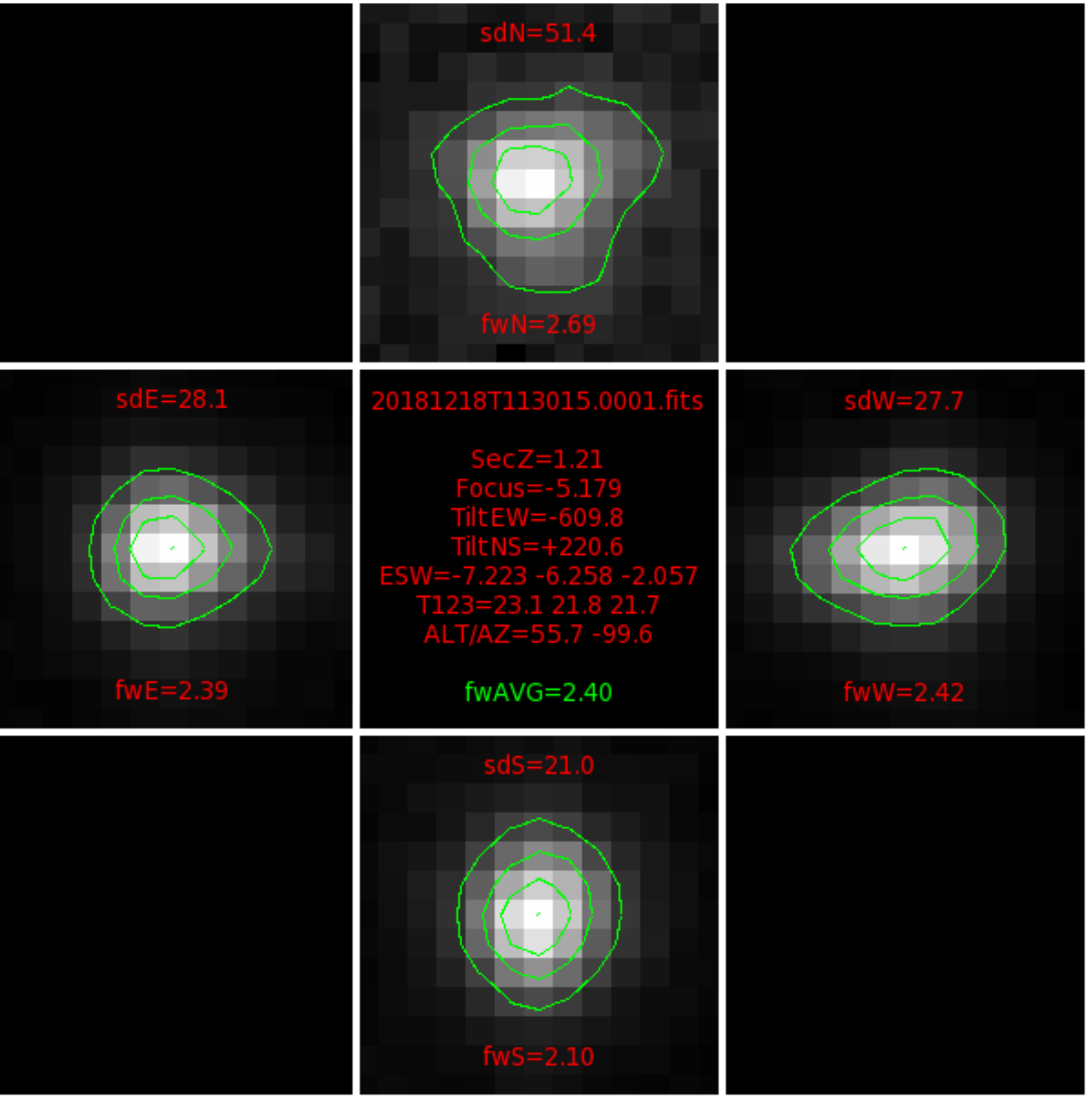
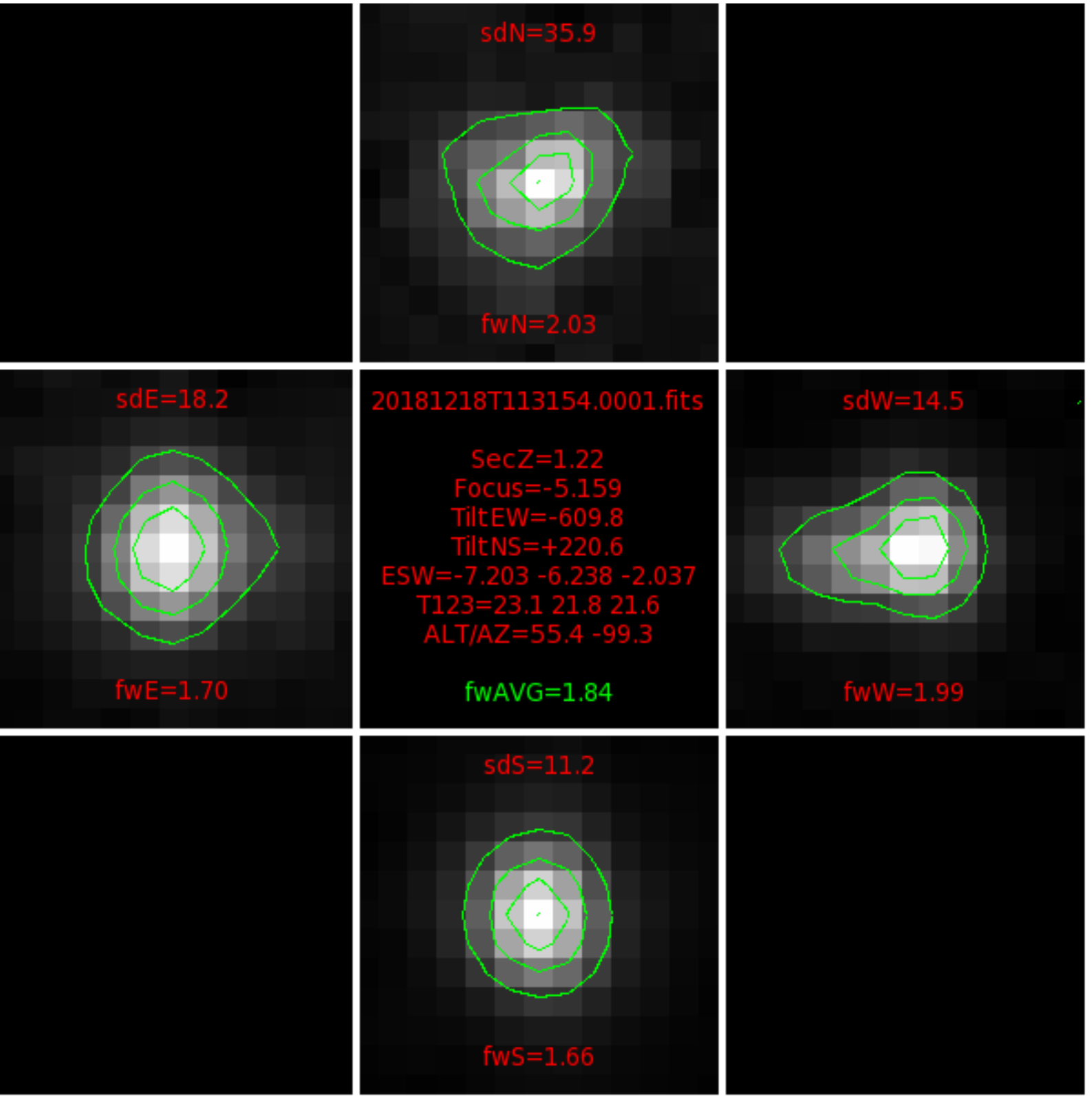

sdN=51.4
fwN=2.69
sdE=28.1
fwE=2.39
20181218T113015.0001.fits
SecZ=1.21
Focus=-5.179
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.223 -6.258 -2.057
T123=23.1 21.8 21.7
ALT/AZ=55.7 -99.6
fwAVG=2.40
sdW=27.7
fwW=2.42
sdS=21.0
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=35.9
fwN=2.03
sdE=18.2
fwE=1.70
20181218T113154.0001.fits
SecZ=1.22
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.1 21.8 21.6
ALT/AZ=55.4 -99.3
fwAVG=1.84
sdW=14.5
fwW=1.99
sdS=11.2
fwS=1.66
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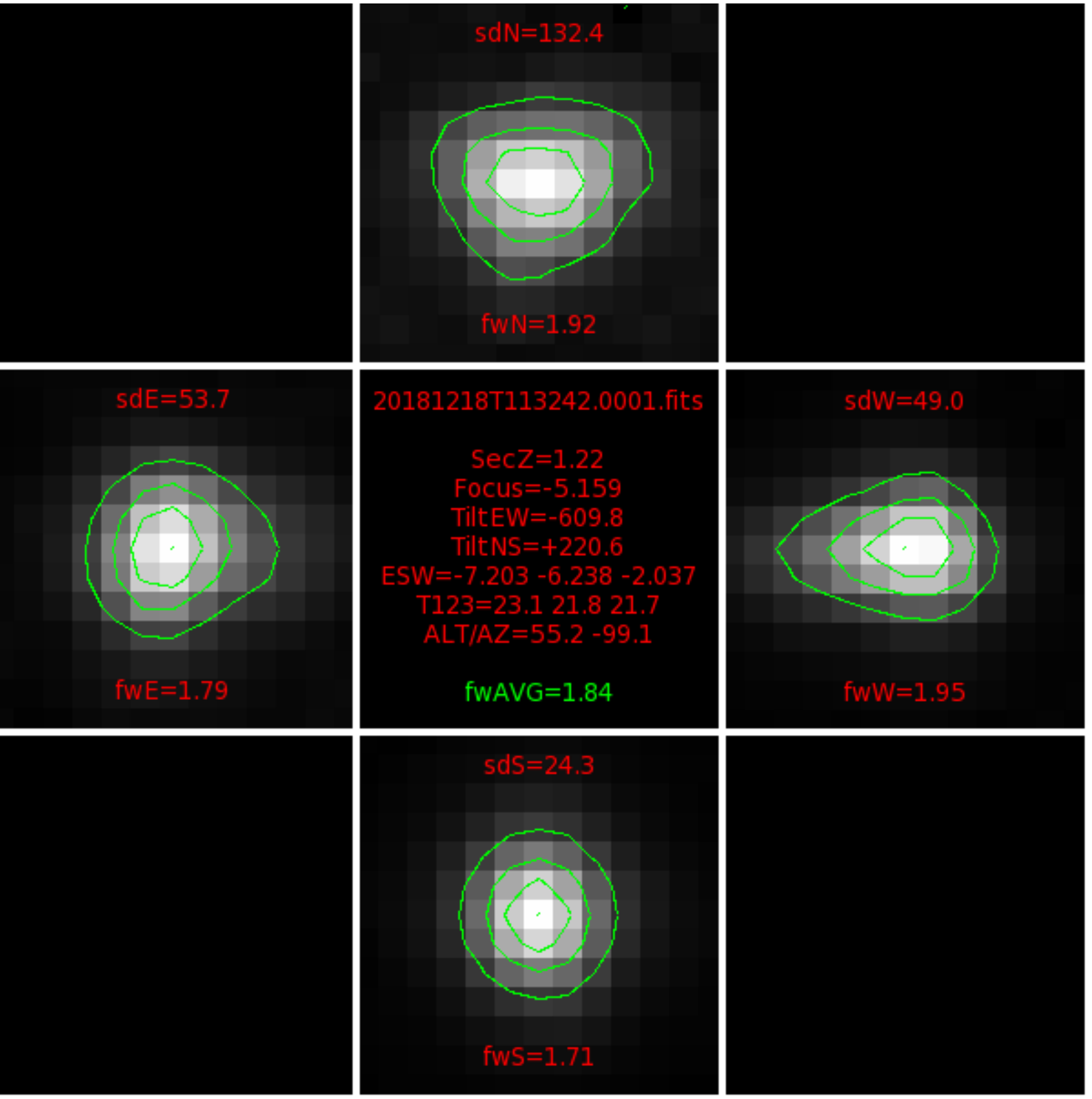
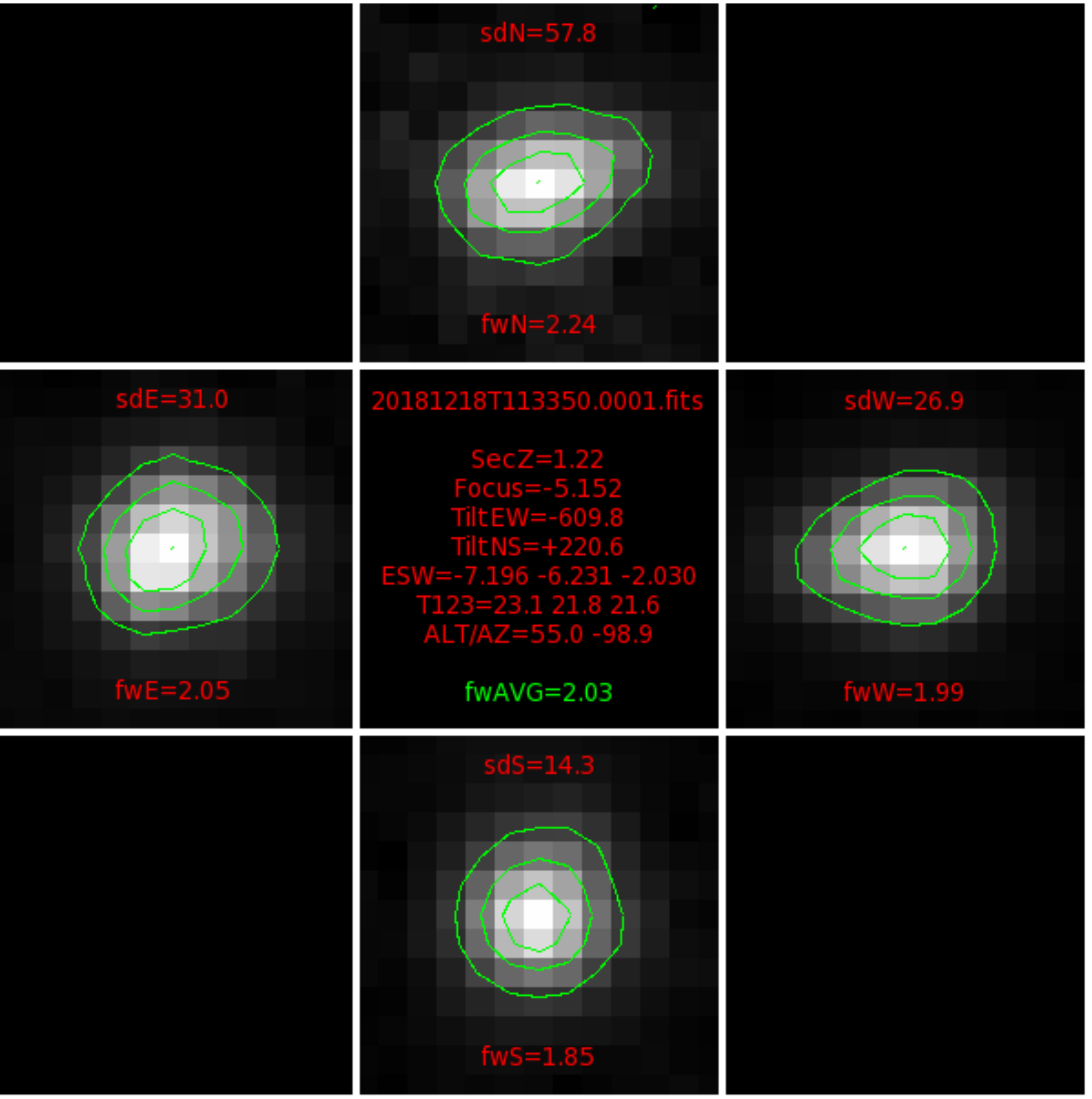

sdN=132.4
fwN=1.92
sdE=53.7
fwE=1.79
20181218T113242.0001.fits
SecZ=1.22
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.1 21.8 21.7
ALT/AZ=55.2 -99.1
fwAVG=1.84
sdW=49.0
fwW=1.95
sdS=24.3
fwS=1.71
0 0 0 0 0 0 0 0 0


sdN=57.8
fwN=2.24
sdE=31.0
fwE=2.05
20181218T113350.0001.fits
SecZ=1.22
Focus=-5.152
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.196 -6.231 -2.030
T123=23.1 21.8 21.6
ALT/AZ=55.0 -98.9
fwAVG=2.03
sdW=26.9
fwW=1.99
sdS=14.3
fwS=1.85
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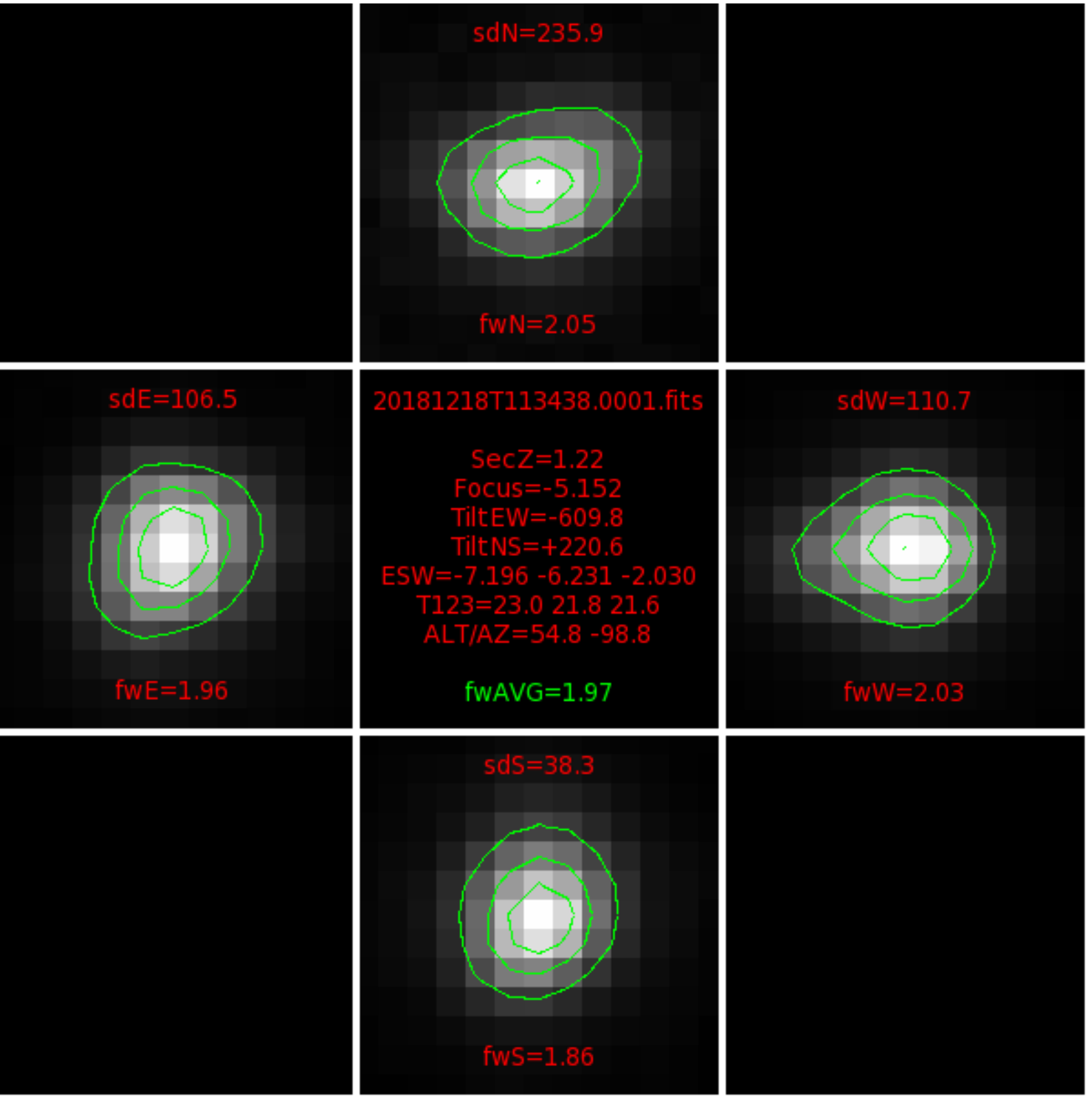
sdN=235.9
fwN=2.05
sdE=106.5
fwE=1.96
20181218T113438.0001.fits
SecZ=1.22
Focus=-5.152
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.196 -6.231 -2.030
T123=23.0 21.8 21.6
ALT/AZ=54.8 -98.8
fwAVG=1.97
sdW=110.7
fwW=2.03
sdS=38.3
fwS=1.86
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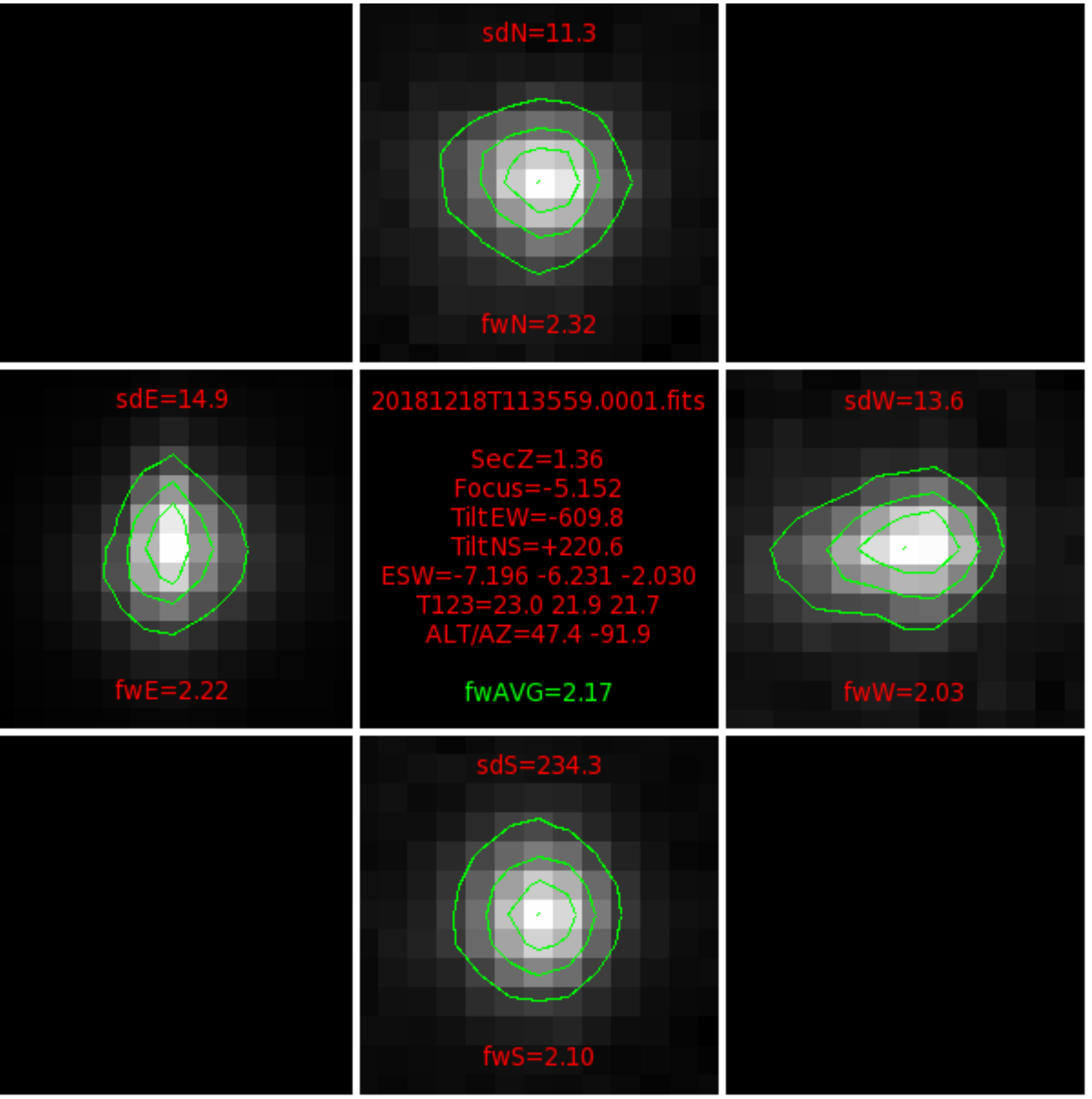
sdN=11.3
fwN=2.32
sdE=14.9
fwE=2.22
20181218T113559.0001.fits
SecZ=1.36
Focus=-5.152
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.196 -6.231 -2.030
T123=23.0 21.9 21.7
ALT/AZ=47.4 -91.9
fwAVG=2.17
sdW=13.6
fwW=2.03
sdS=234.3
fwS=2.10
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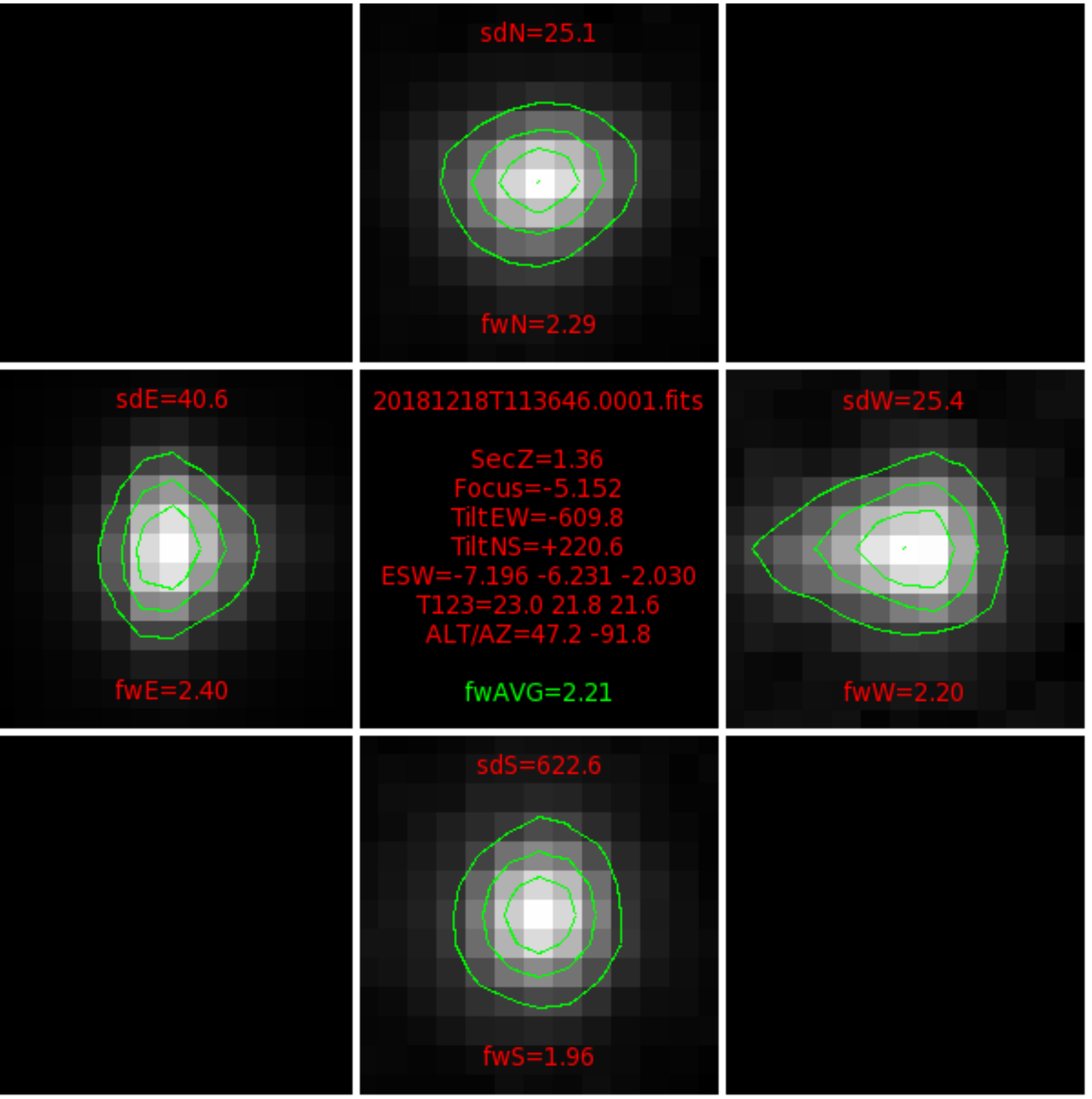
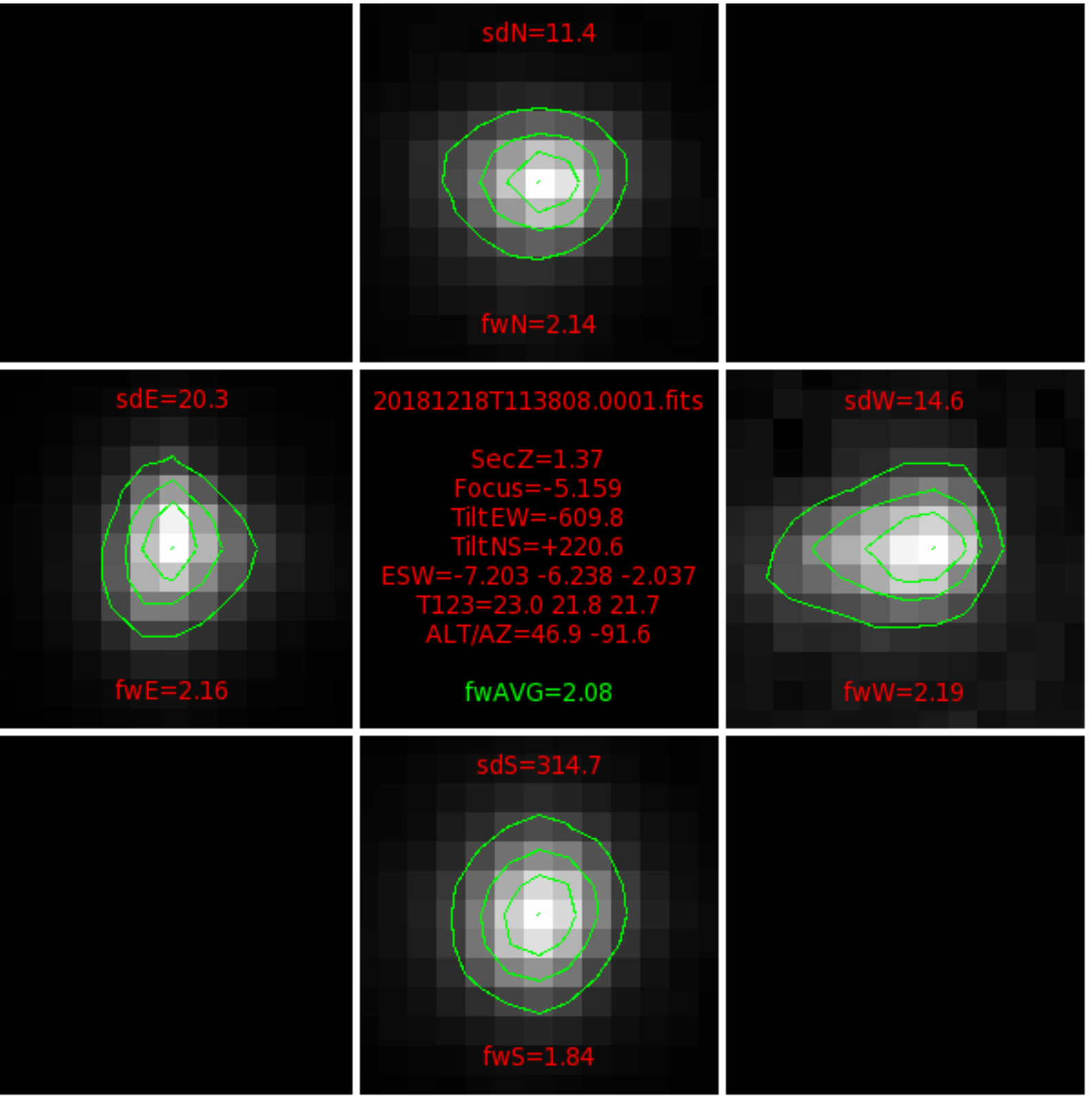

sdN=25.1
fwN=2.29
sdE=40.6
fwE=2.40
20181218T113646.0001.fits
SecZ=1.36
Focus=-5.152
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.196 -6.231 -2.030
T123=23.0 21.8 21.6
ALT/AZ=47.2 -91.8
fwAVG=2.21
sdW=25.4
fwW=2.20
sdS=622.6
fwS=1.96
0 0 0 0 0 0 0 0 0


sdN=11.4
fwN=2.14
sdE=20.3
fwE=2.16
20181218T113808.0001.fits
SecZ=1.37
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.0 21.8 21.7
ALT/AZ=46.9 -91.6
fwAVG=2.08
sdW=14.6
fwW=2.19
sdS=314.7
fwS=1.84
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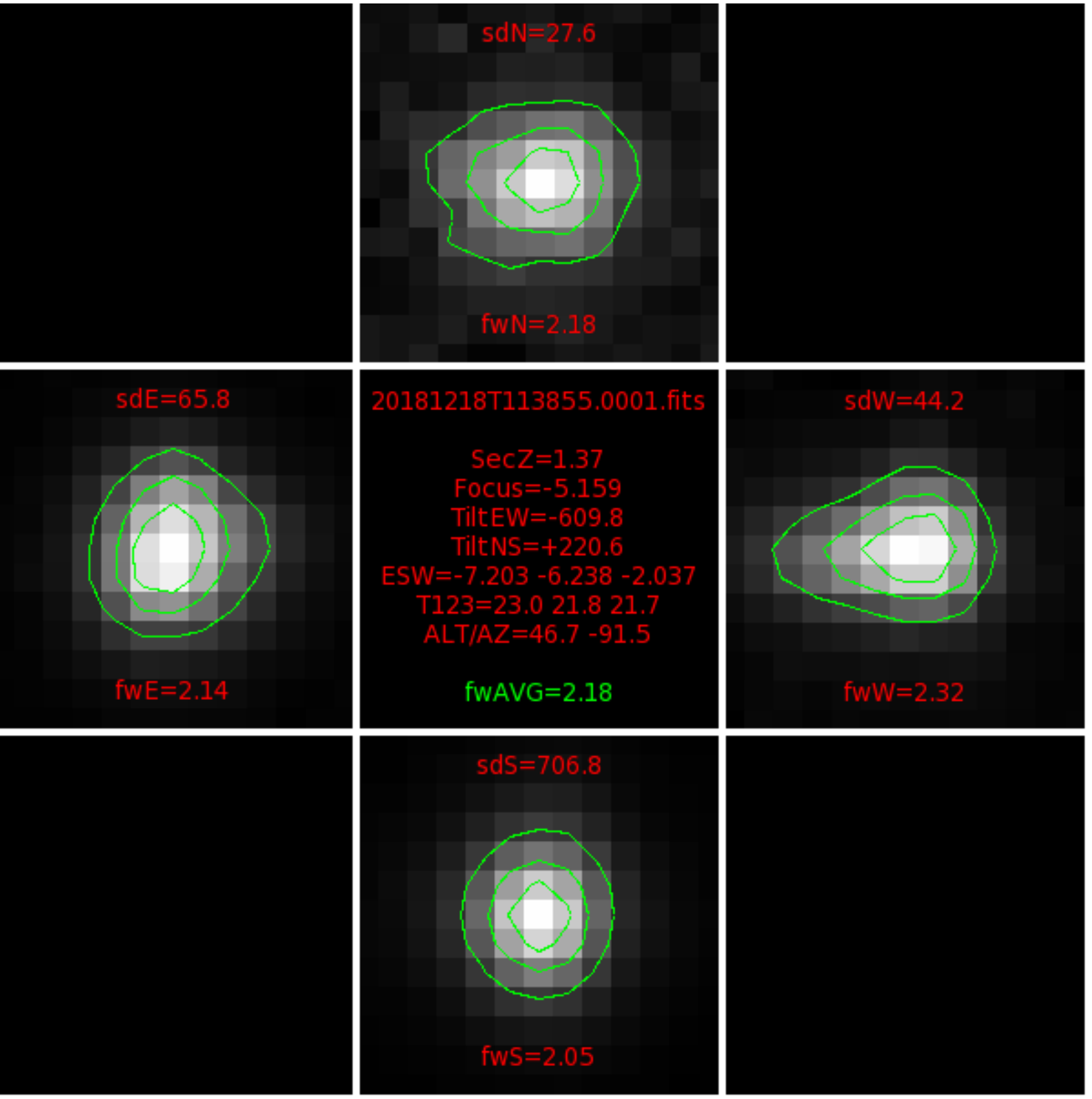
sdN=27.6
fwN=2.18
sdE=65.8
fwE=2.14
20181218T113855.0001.fits
SecZ=1.37
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.0 21.8 21.7
ALT/AZ=46.7 -91.5
fwAVG=2.18
sdW=44.2
fwW=2.32
sdS=706.8
fwS=2.05
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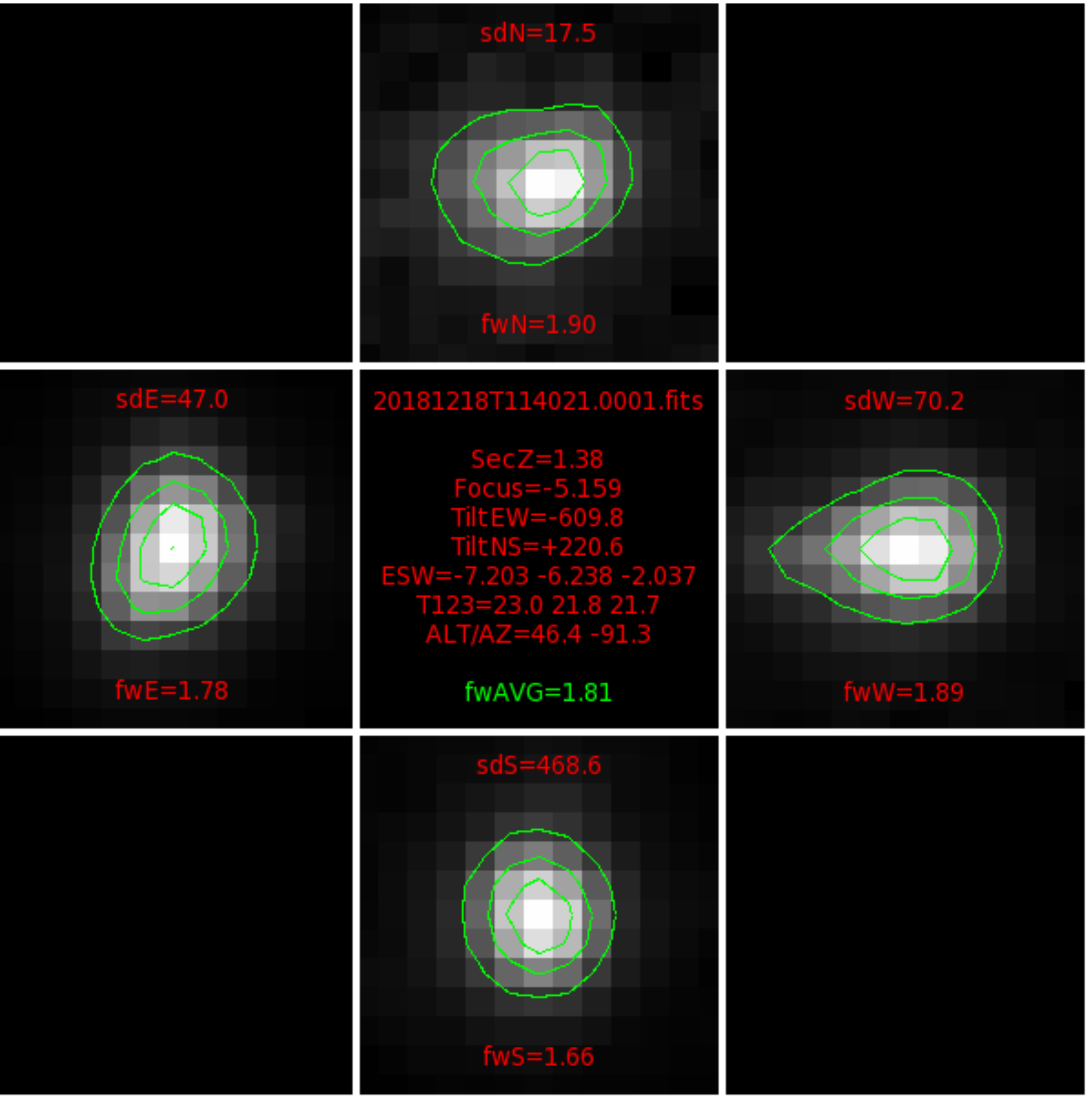
sdN=17.5
fwN=1.90
sdE=47.0
fwE=1.78
20181218T114021.0001.fits
SecZ=1.38
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.0 21.8 21.7
ALT/AZ=46.4 -91.3
fwAVG=1.81
sdW=70.2
fwW=1.89
sdS=468.6
fwS=1.66
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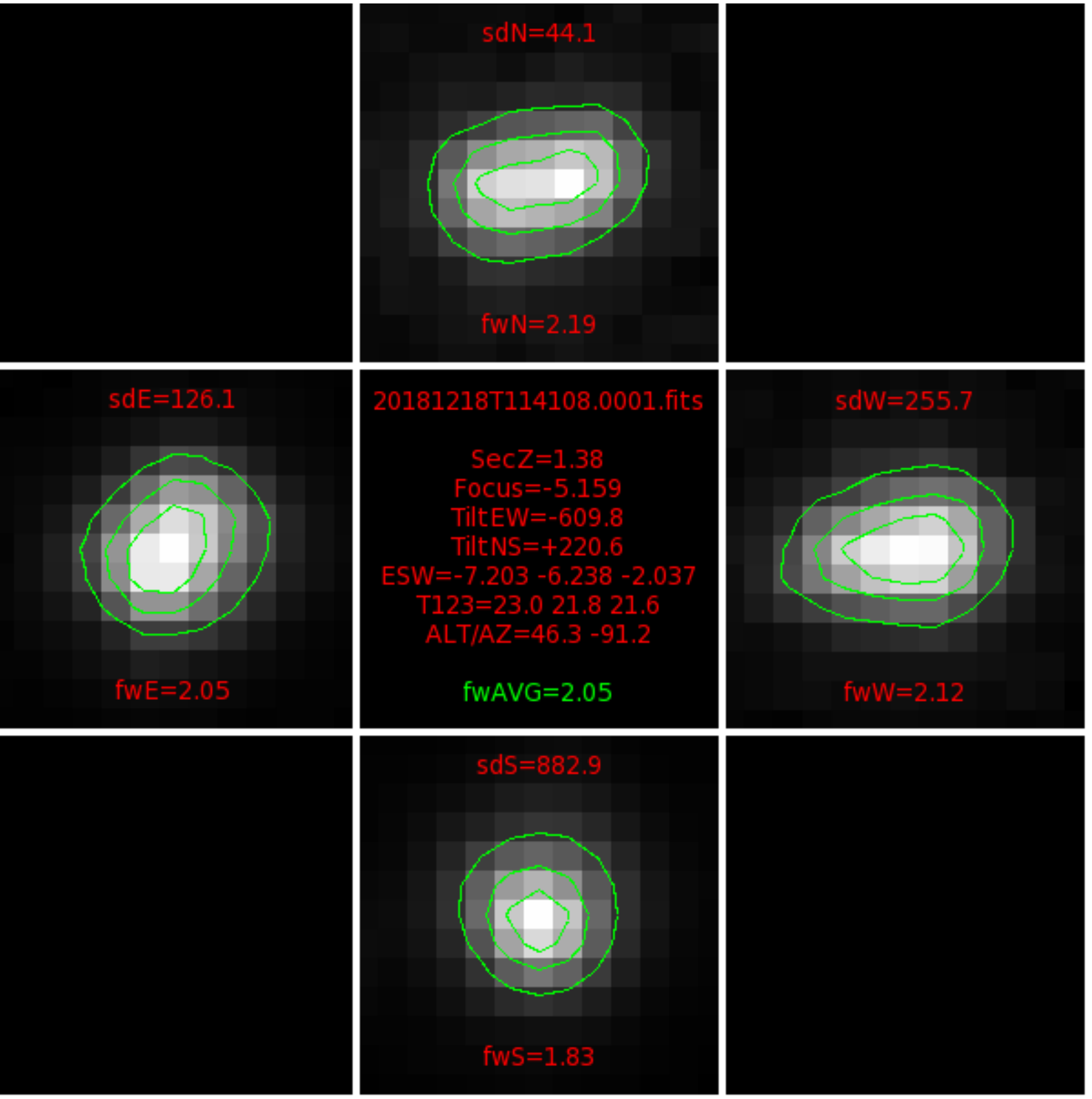
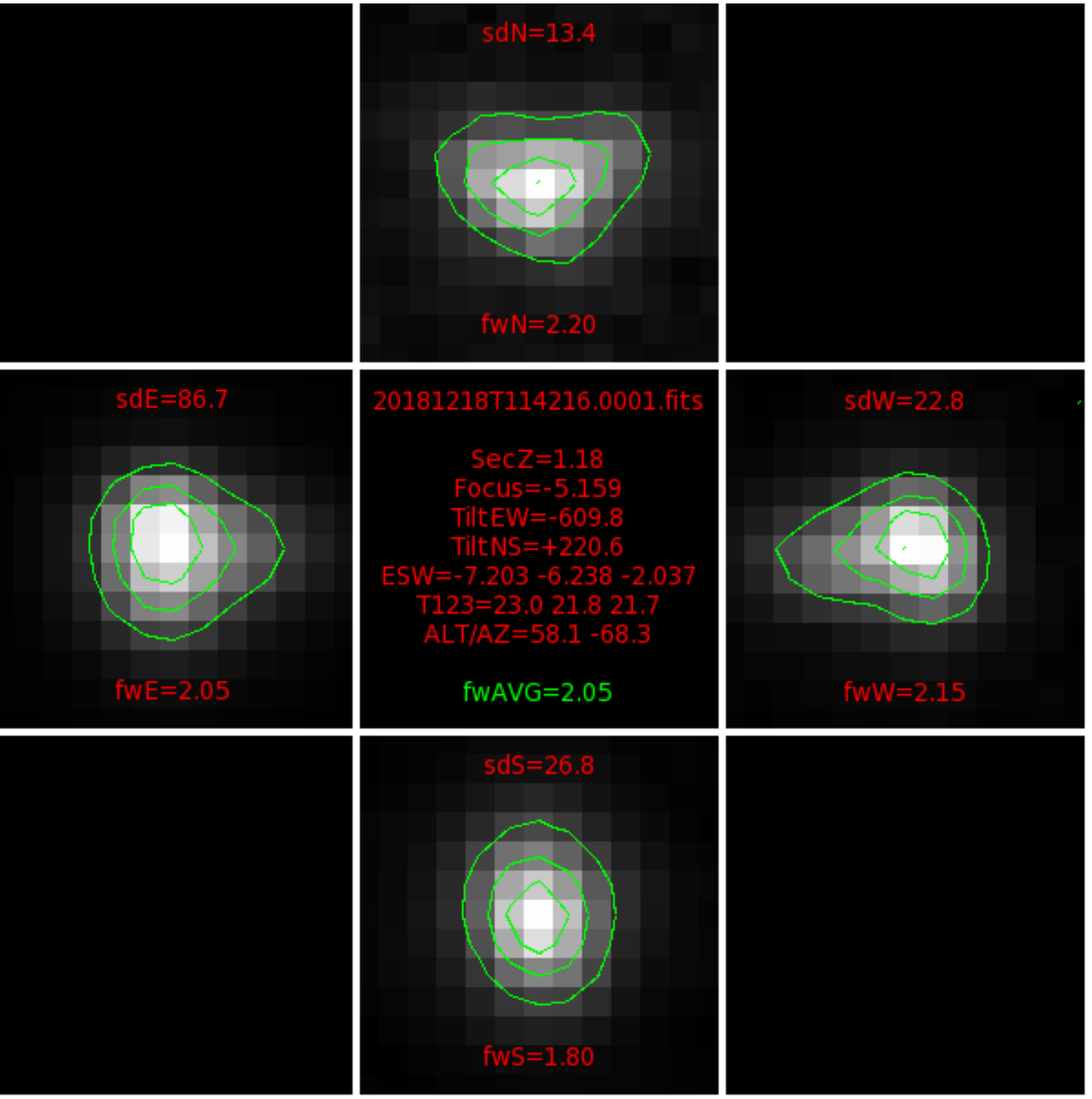

sdN=44.1
fwN=2.19
sdE=126.1
fwE=2.05
20181218T114108.0001.fits
SecZ=1.38
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.0 21.8 21.6
ALT/AZ=46.3 -91.2
fwAVG=2.05
sdW=255.7
fwW=2.12
sdS=882.9
fwS=1.83
0 0 0 0 0 0 0 0 0


sdN=13.4
fwN=2.20
sdE=86.7
fwE=2.05
20181218T114216.0001.fits
SecZ=1.18
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.0 21.8 21.7
ALT/AZ=58.1 -68.3
fwAVG=2.05
sdW=22.8
fwW=2.15
sdS=26.8
fwS=1.80
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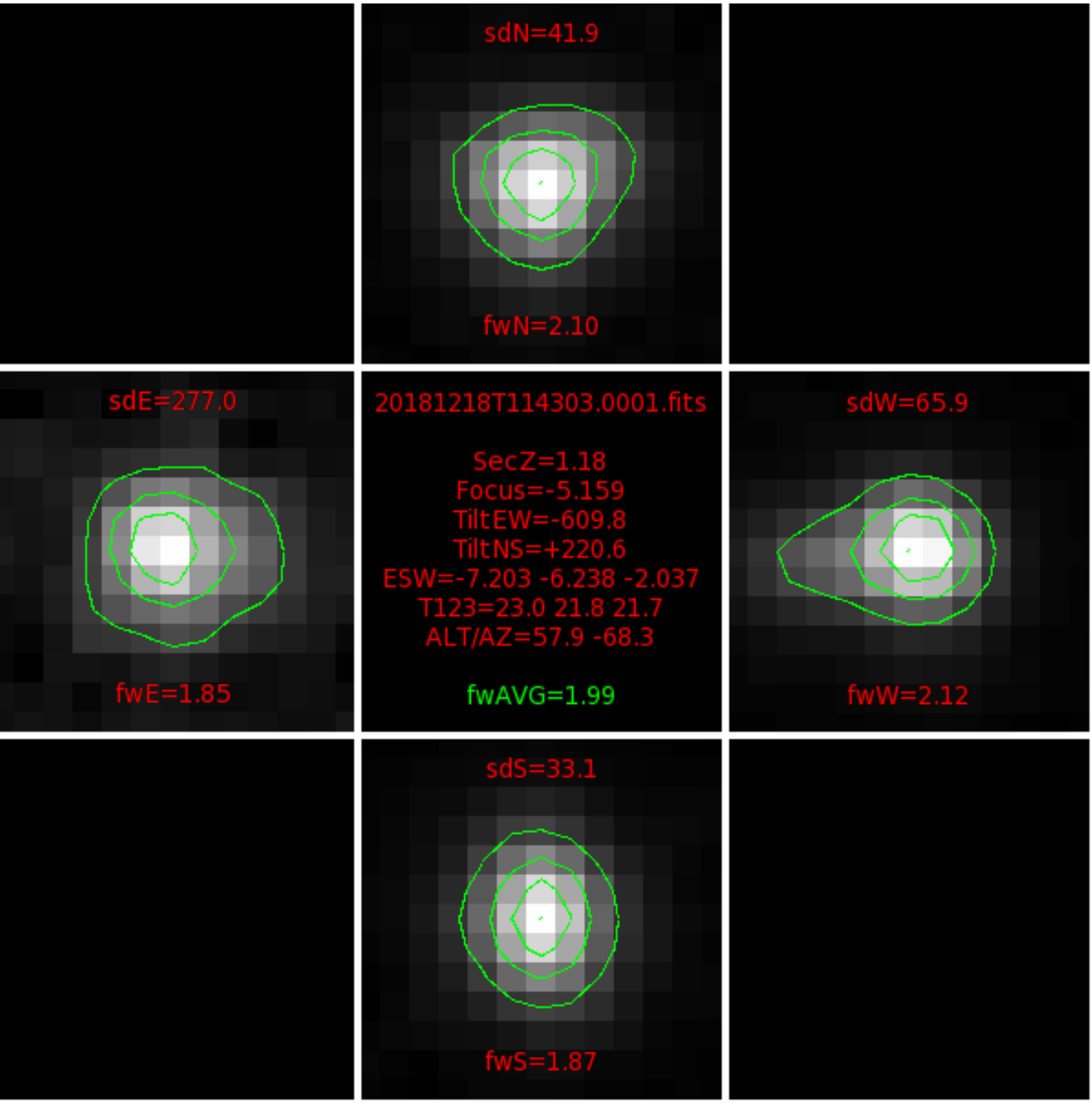
sdN=41.9
fwN=2.10
sdE=277.0
fwE=1.85
20181218T114303.0001.fits
SecZ=1.18
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.0 21.8 21.7
ALT/AZ=57.9 -68.3
fwAVG=1.99
sdW=65.9
fwW=2.12
sdS=33.1
fwS=1.87
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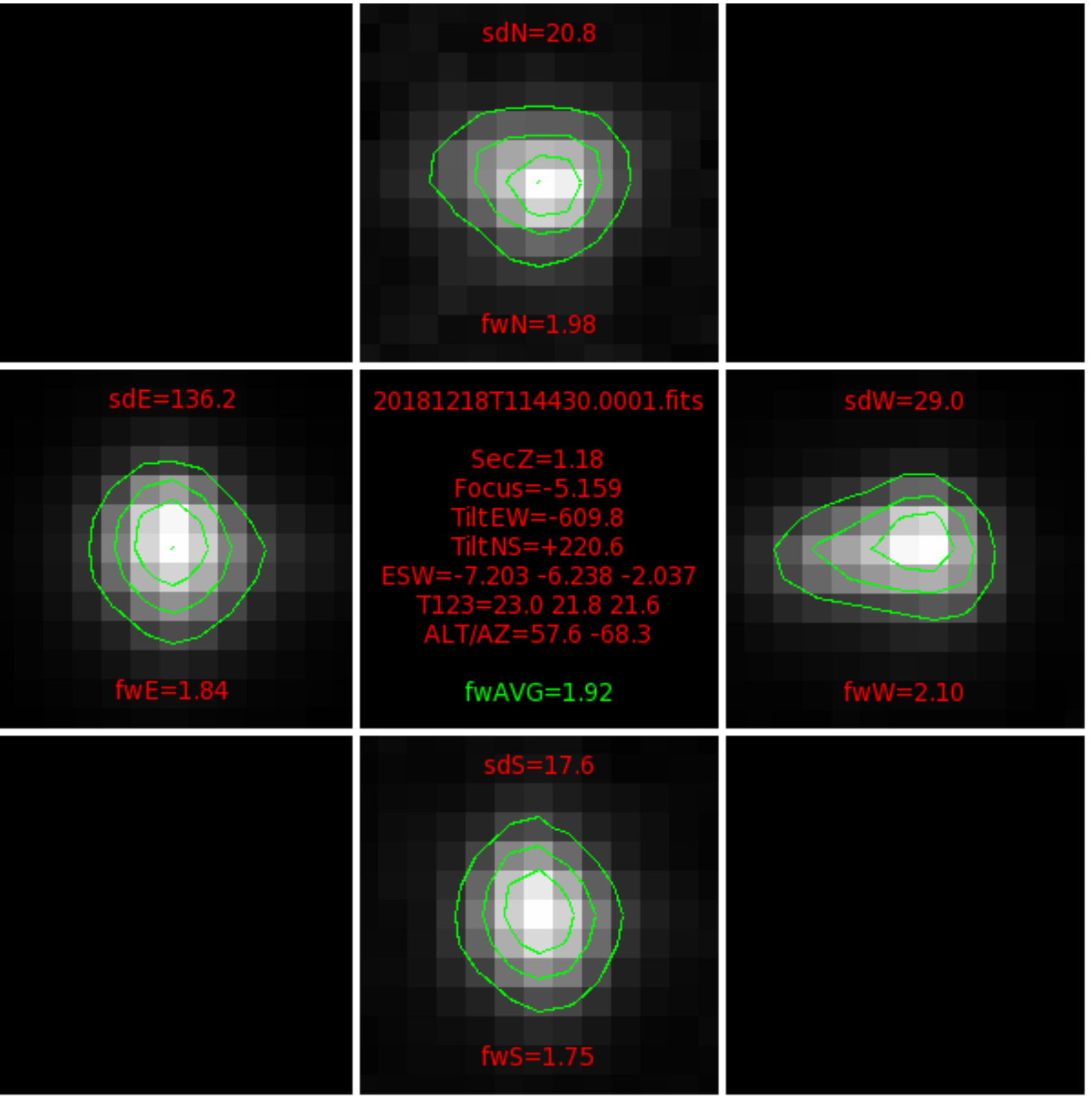
sdN=20.8
fwN=1.98
sdE=136.2
fwE=1.84
20181218T114430.0001.fits
SecZ=1.18
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.0 21.8 21.6
ALT/AZ=57.6 -68.3
fwAVG=1.92
sdW=29.0
fwW=2.10
sdS=17.6
fwS=1.75
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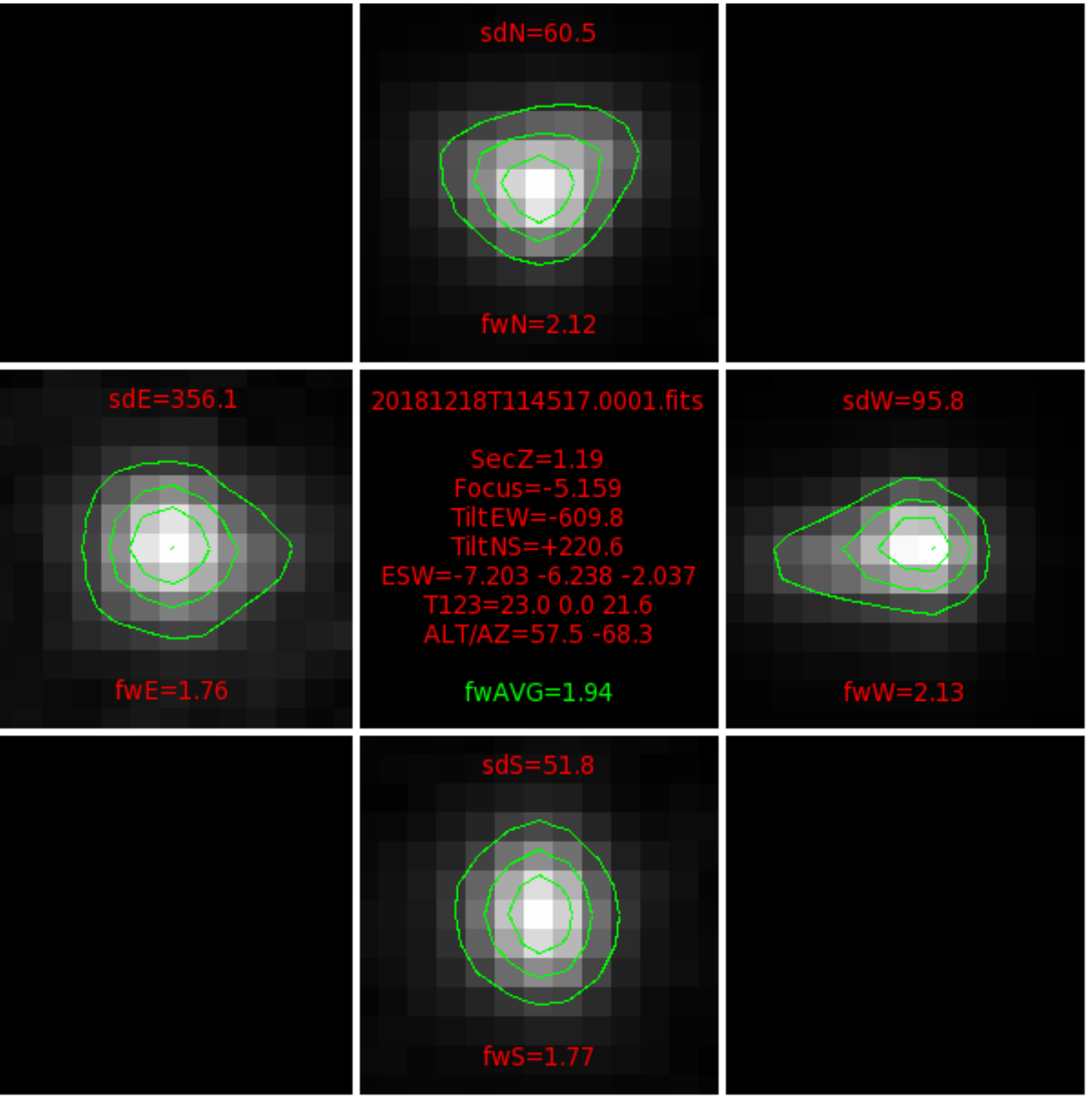
sdN=60.5
fwN=2.12
sdE=356.1
fwE=1.76
20181218T114517.0001.fits
SecZ=1.19
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.0 0.0 21.6
ALT/AZ=57.5 -68.3
fwAVG=1.94
sdW=95.8
fwW=2.13
sdS=51.8
fwS=1.77
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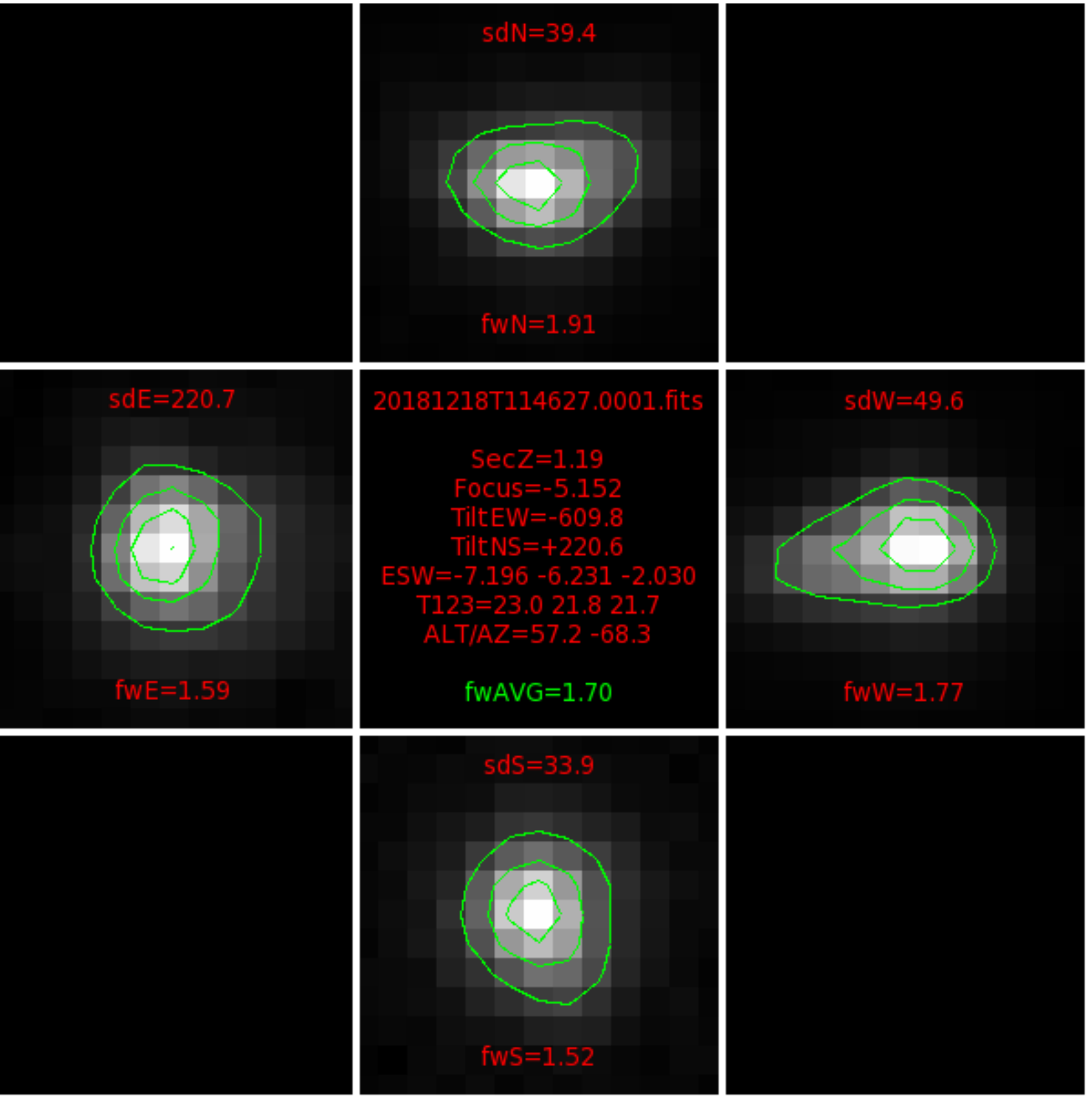
sdN=39.4
fwN=1.91
sdE=220.7
fwE=1.59
20181218T114627.0001.fits
SecZ=1.19
Focus=-5.152
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.196 -6.231 -2.030
T123=23.0 21.8 21.7
ALT/AZ=57.2 -68.3
fwAVG=1.70
sdW=49.6
fwW=1.77
sdS=33.9
fwS=1.52
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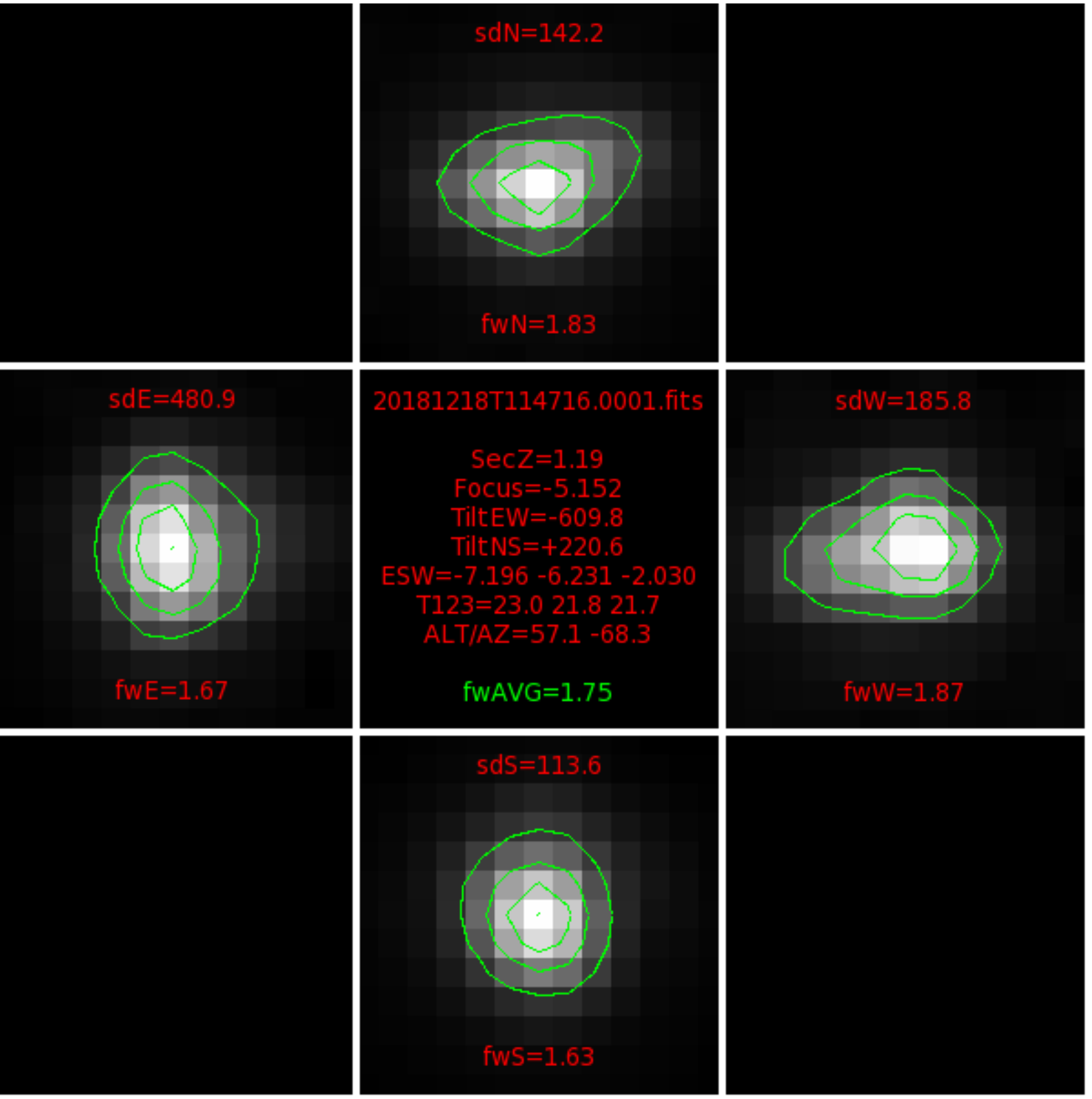
sdN=142.2
fwN=1.83
sdE=480.9
fwE=1.67
20181218T114716.0001.fits
SecZ=1.19
Focus=-5.152
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.196 -6.231 -2.030
T123=23.0 21.8 21.7
ALT/AZ=57.1 -68.3
fwAVG=1.75
sdW=185.8
fwW=1.87
sdS=113.6
fwS=1.63
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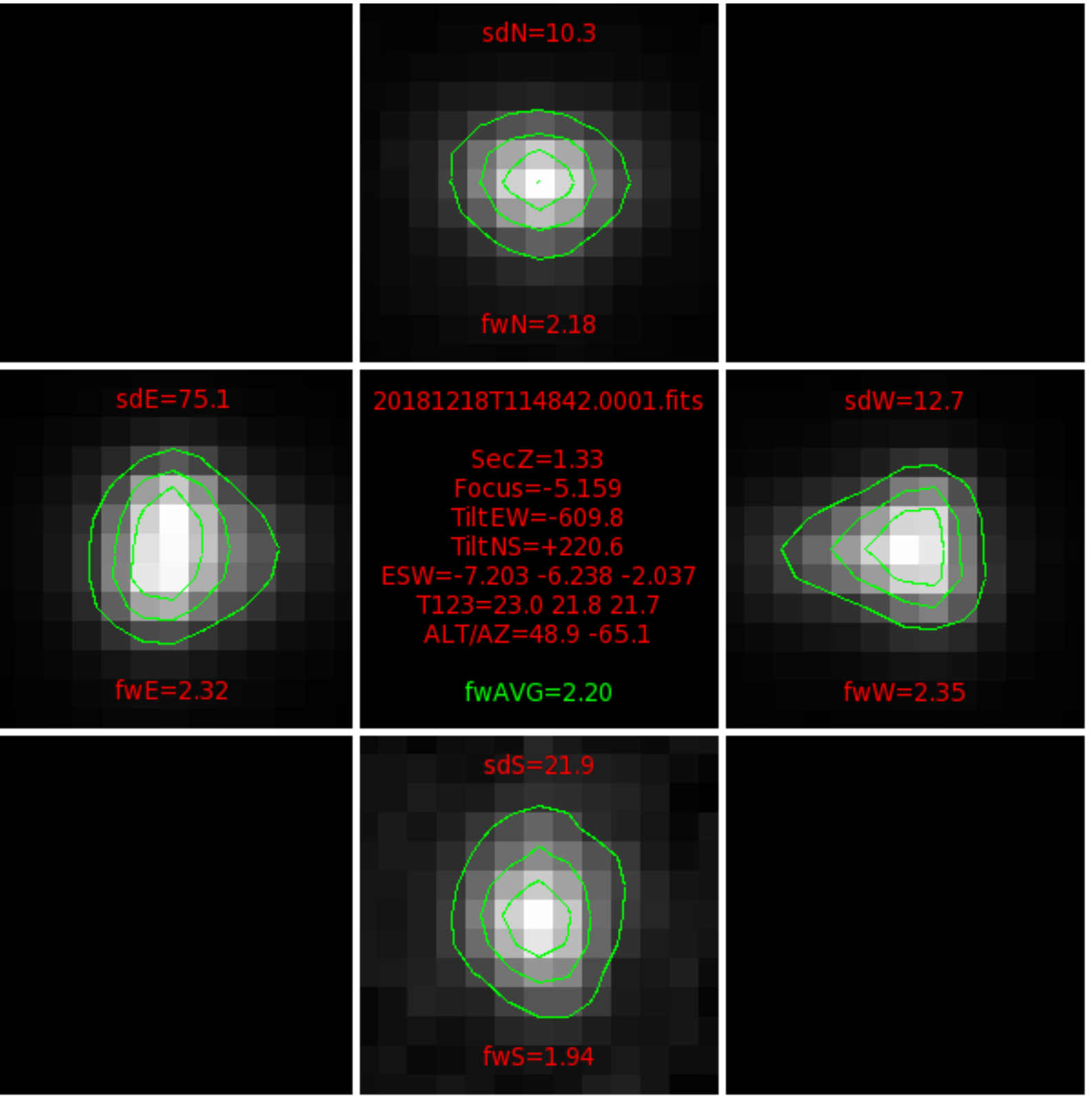
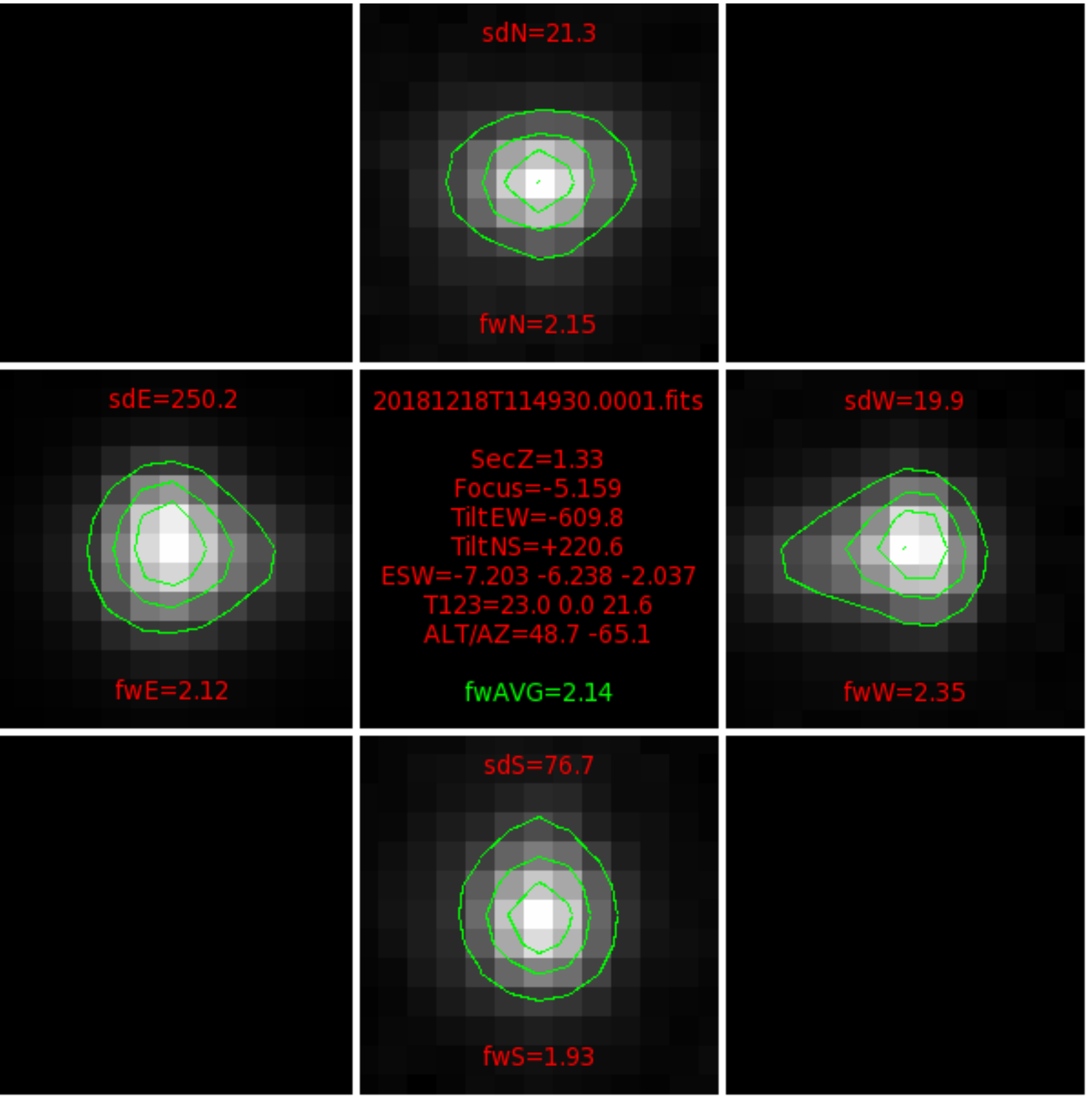
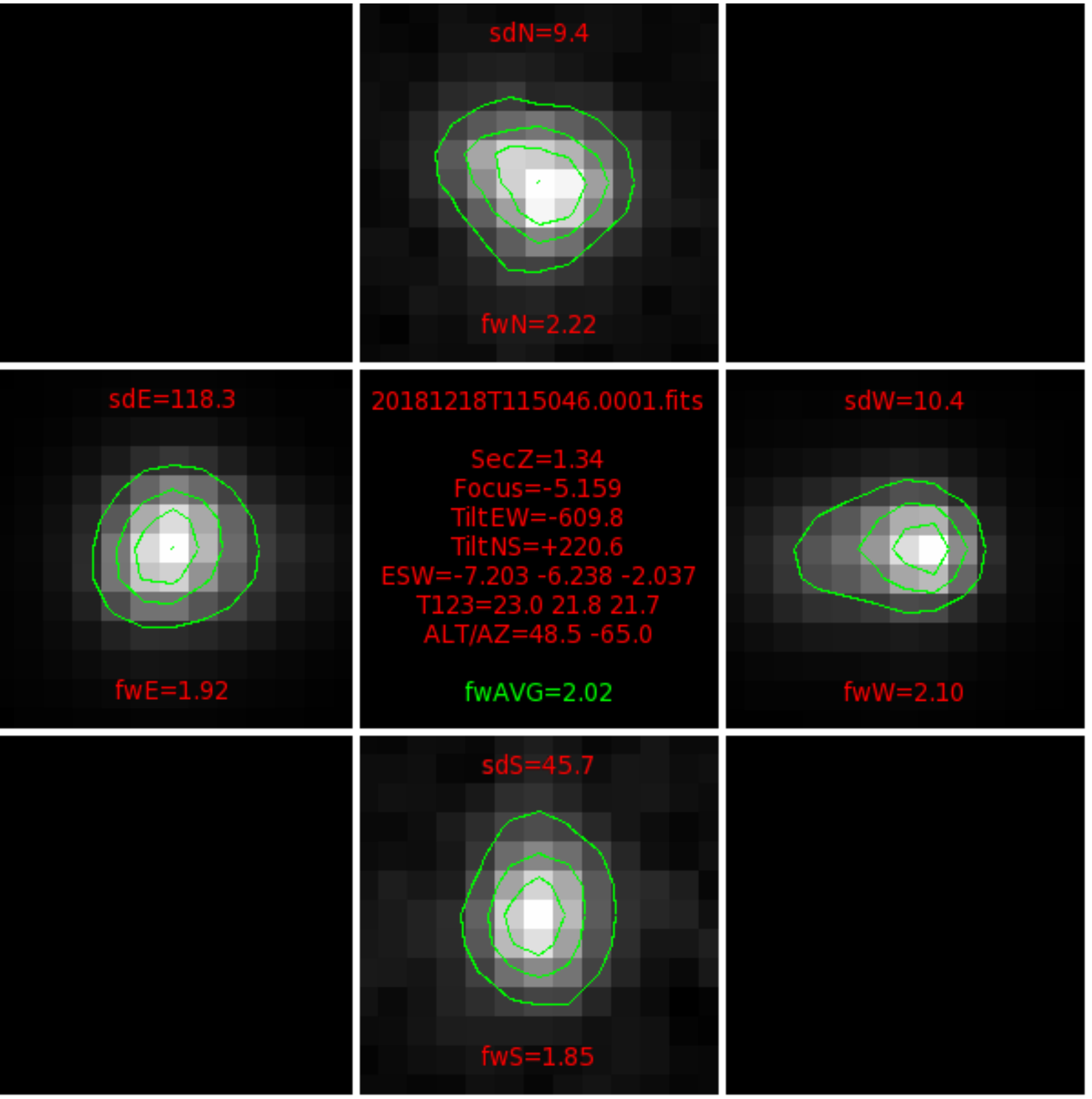

sdN=10.3
fwN=2.18
sdE=75.1
fwE=2.32
20181218T114842.0001.fits
SecZ=1.33
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.0 21.8 21.7
ALT/AZ=48.9 -65.1
fwAVG=2.20
sdW=12.7
fwW=2.35
sdS=21.9
fwS=1.94
0 0 0 0 0 0 0 0 0


sdN=21.3
fwN=2.15
sdE=250.2
fwE=2.12
20181218T114930.0001.fits
SecZ=1.33
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.0 0.0 21.6
ALT/AZ=48.7 -65.1
fwAVG=2.14
sdW=19.9
fwW=2.35
sdS=76.7
fwS=1.93
0 0 0 0 0 0 0 0 0


sdN=9.4
fwN=2.22
sdE=118.3
fwE=1.92
20181218T115046.0001.fits
SecZ=1.34
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.0 21.8 21.7
ALT/AZ=48.5 -65.0
fwAVG=2.02
sdW=10.4
fwW=2.10
sdS=45.7
fwS=1.85
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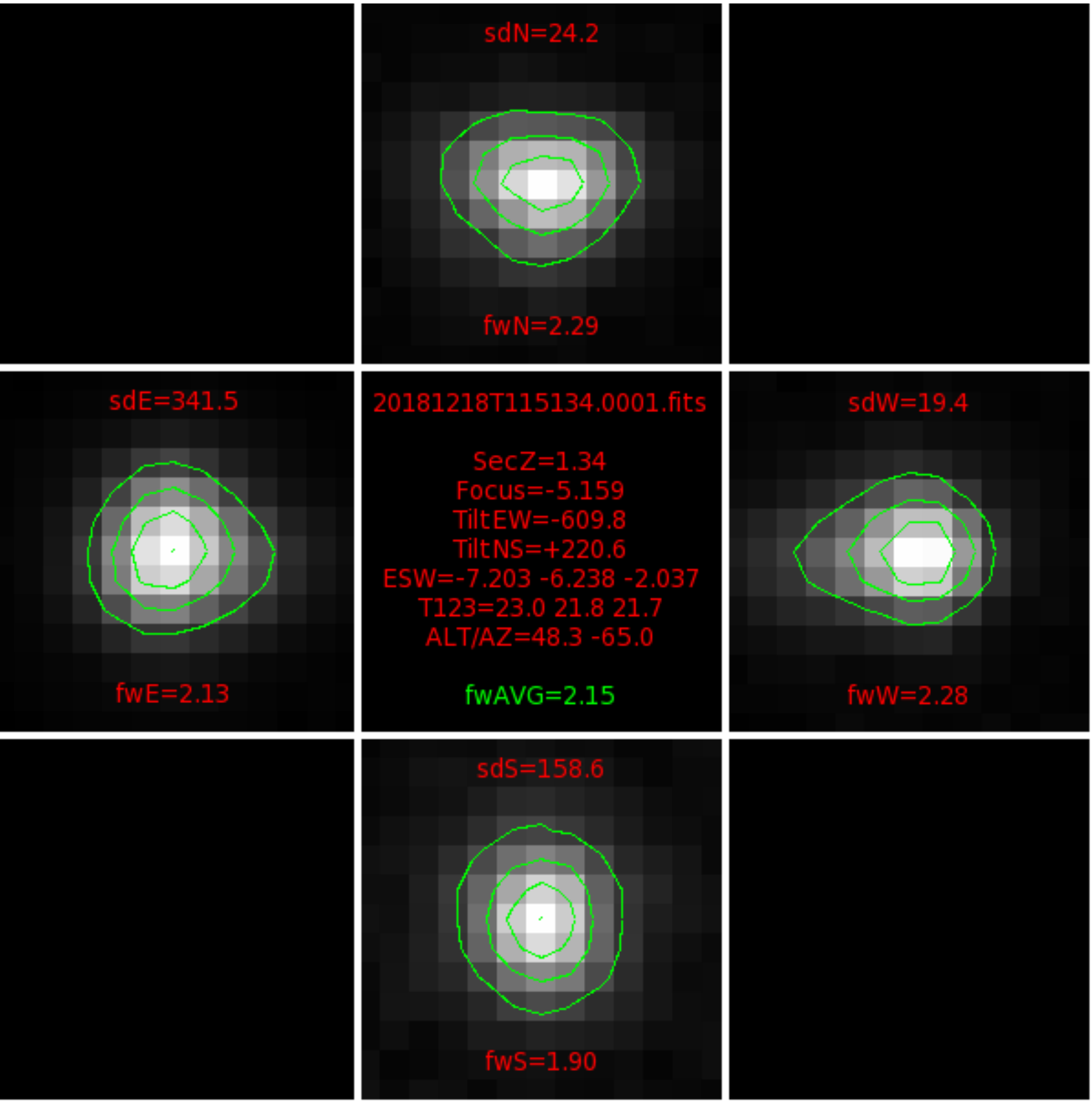
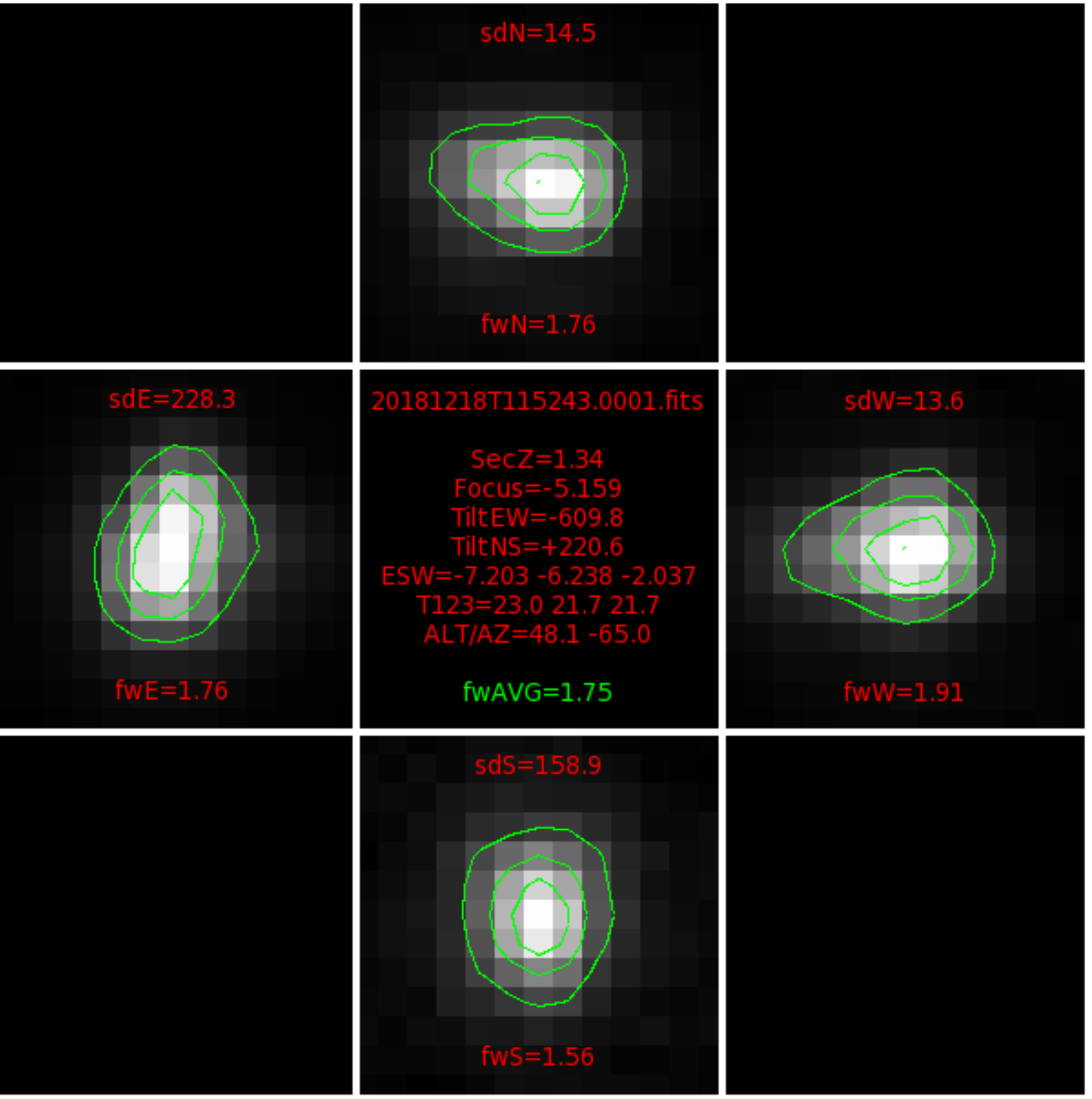
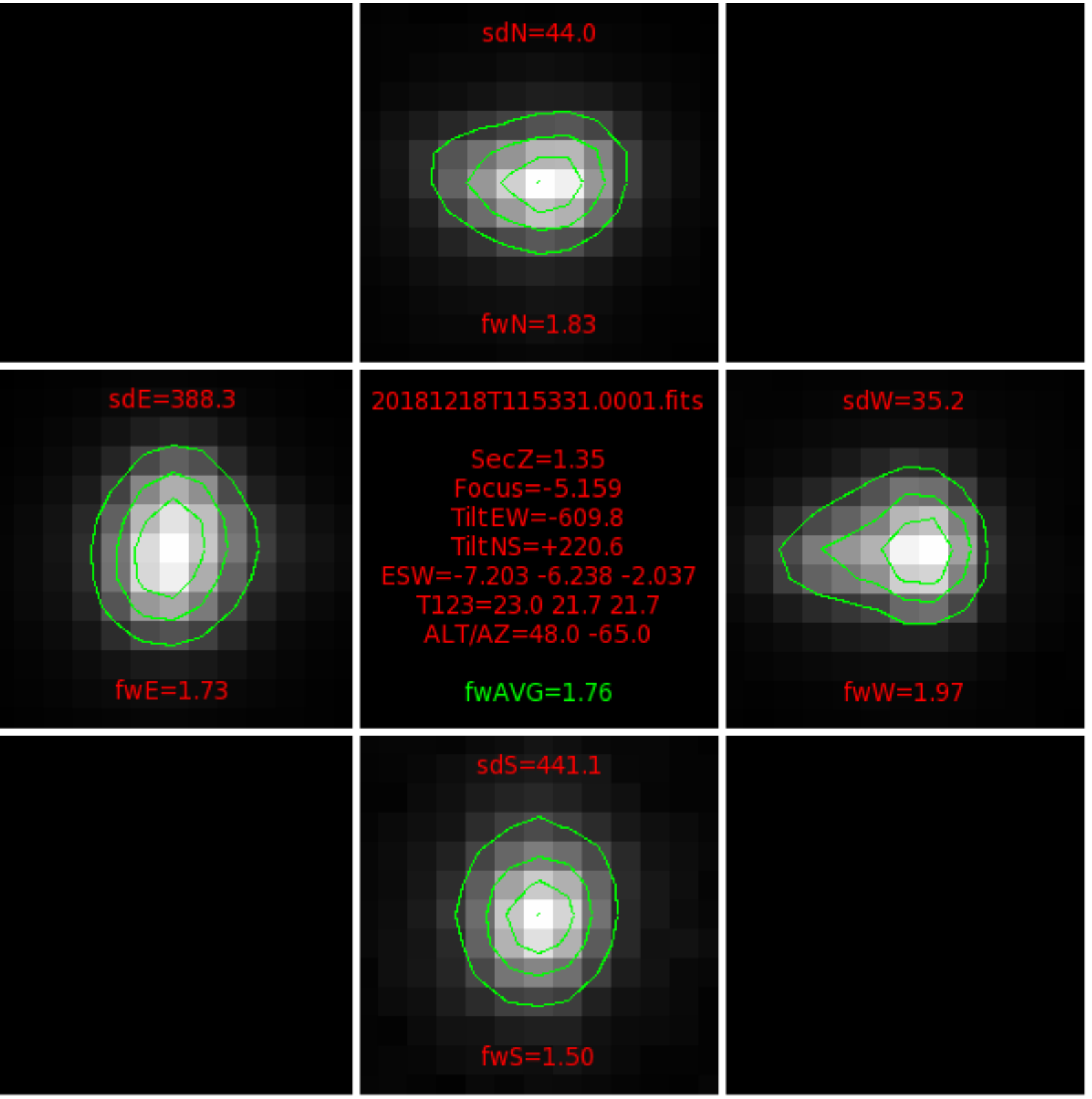

sdN=24.2
fwN=2.29
sdE=341.5
fwE=2.13
20181218T115134.0001.fits
SecZ=1.34
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.0 21.8 21.7
ALT/AZ=48.3 -65.0
fwAVG=2.15
sdW=19.4
fwW=2.28
sdS=158.6
fwS=1.90
0 0 0 0 0 0 0 0 0


sdN=14.5
fwN=1.76
sdE=228.3
fwE=1.76
20181218T115243.0001.fits
SecZ=1.34
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.0 21.7 21.7
ALT/AZ=48.1 -65.0
fwAVG=1.75
sdW=13.6
fwW=1.91
sdS=158.9
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=44.0
fwN=1.83
sdE=388.3
fwE=1.73
20181218T115331.0001.fits
SecZ=1.35
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.0 21.7 21.7
ALT/AZ=48.0 -65.0
fwAVG=1.76
sdW=35.2
fwW=1.97
sdS=441.1
fwS=1.50
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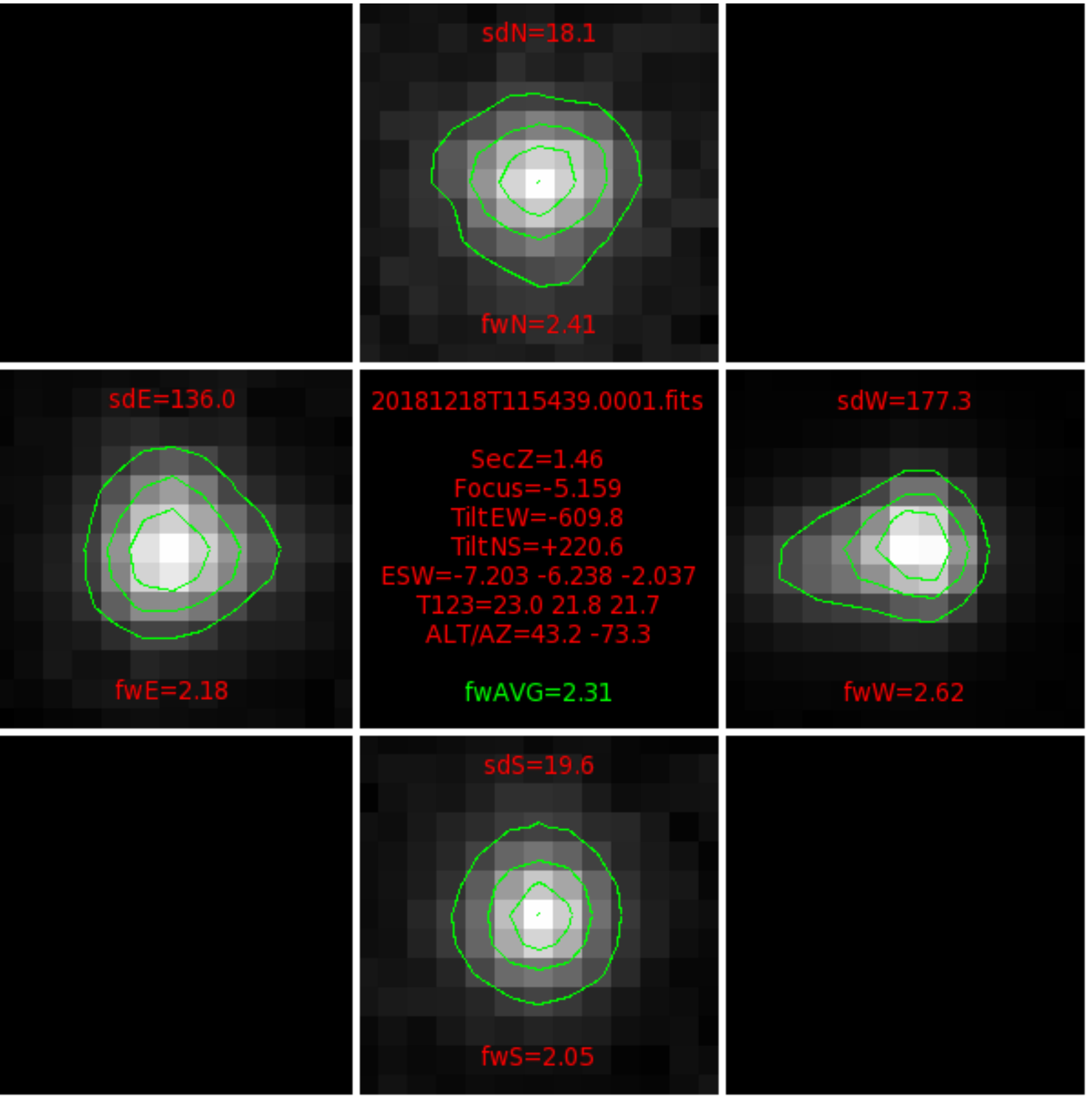
sdN=18.1
fwN=2.41
sdE=136.0
fwE=2.18
20181218T115439.0001.fits
SecZ=1.46
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.0 21.8 21.7
ALT/AZ=43.2 -73.3
fwAVG=2.31
sdW=177.3
fwW=2.62
sdS=19.6
fwS=2.05
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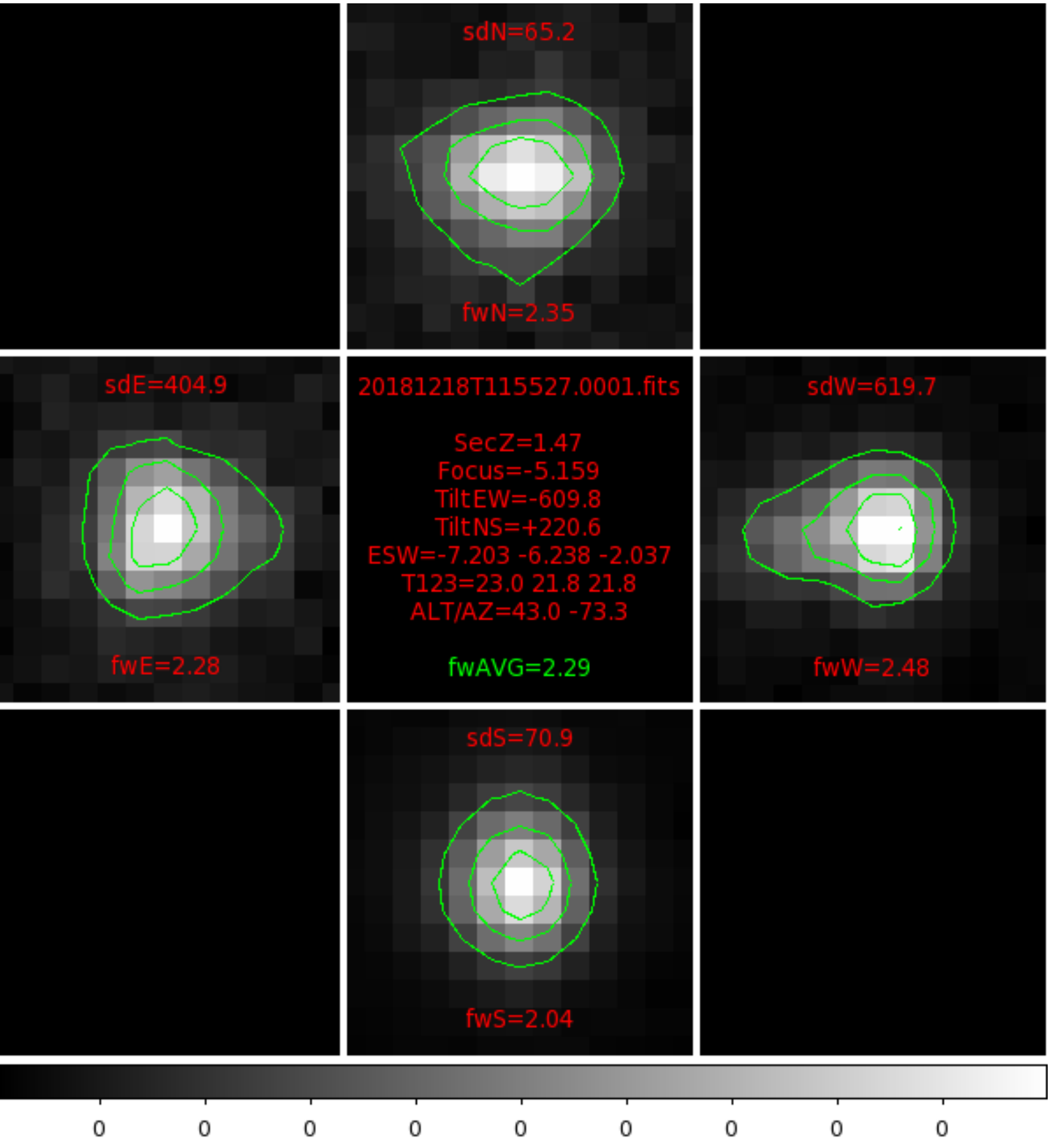
sdN=65.2
fwN=2.35
sdE=404.9
fwE=2.28
20181218T115527.0001.fits
SecZ=1.47
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.0 21.8 21.8
ALT/AZ=43.0 -73.3
fwAVG=2.29
sdW=619.7
fwW=2.48
sdS=70.9
fwS=2.04
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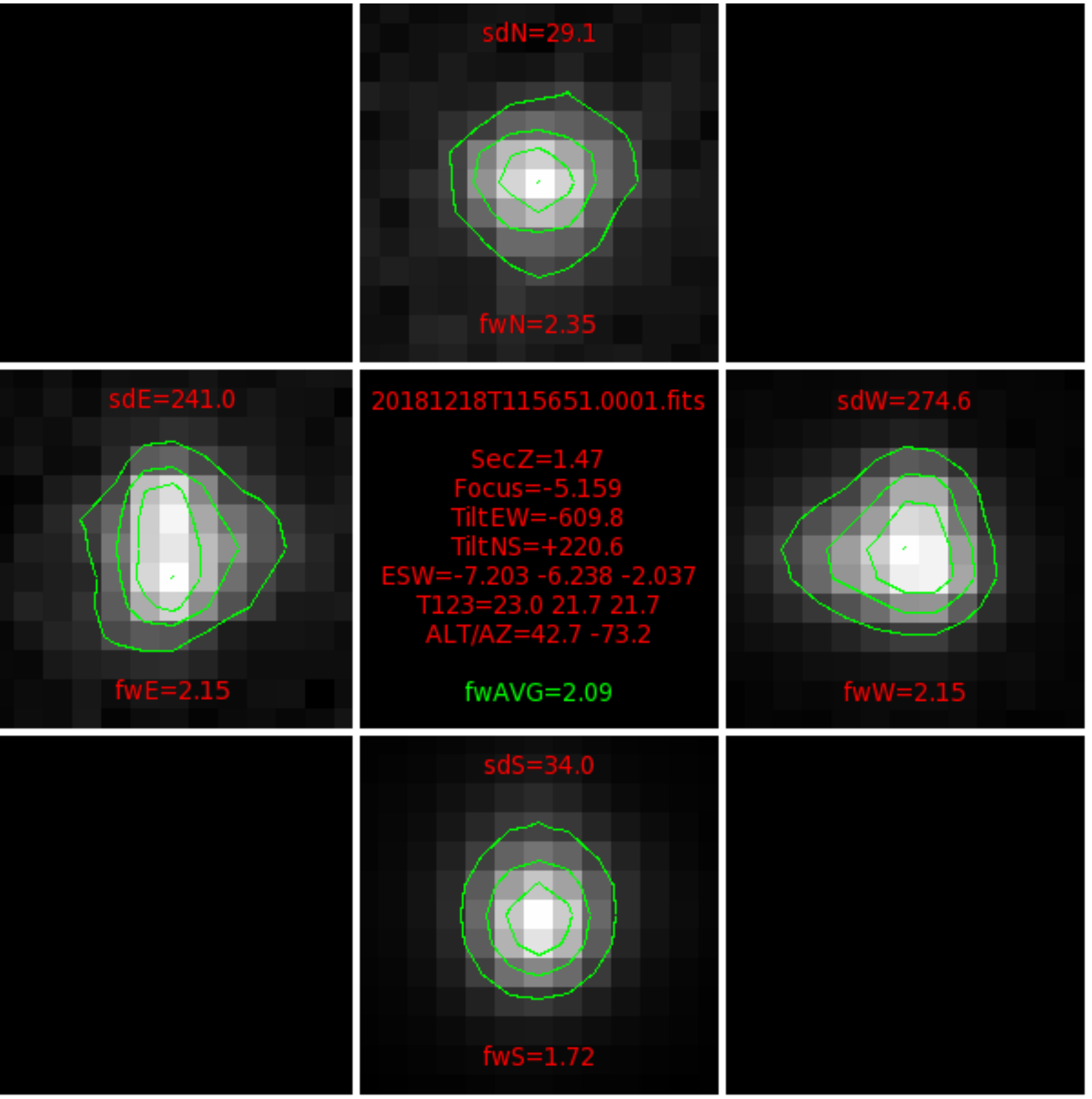
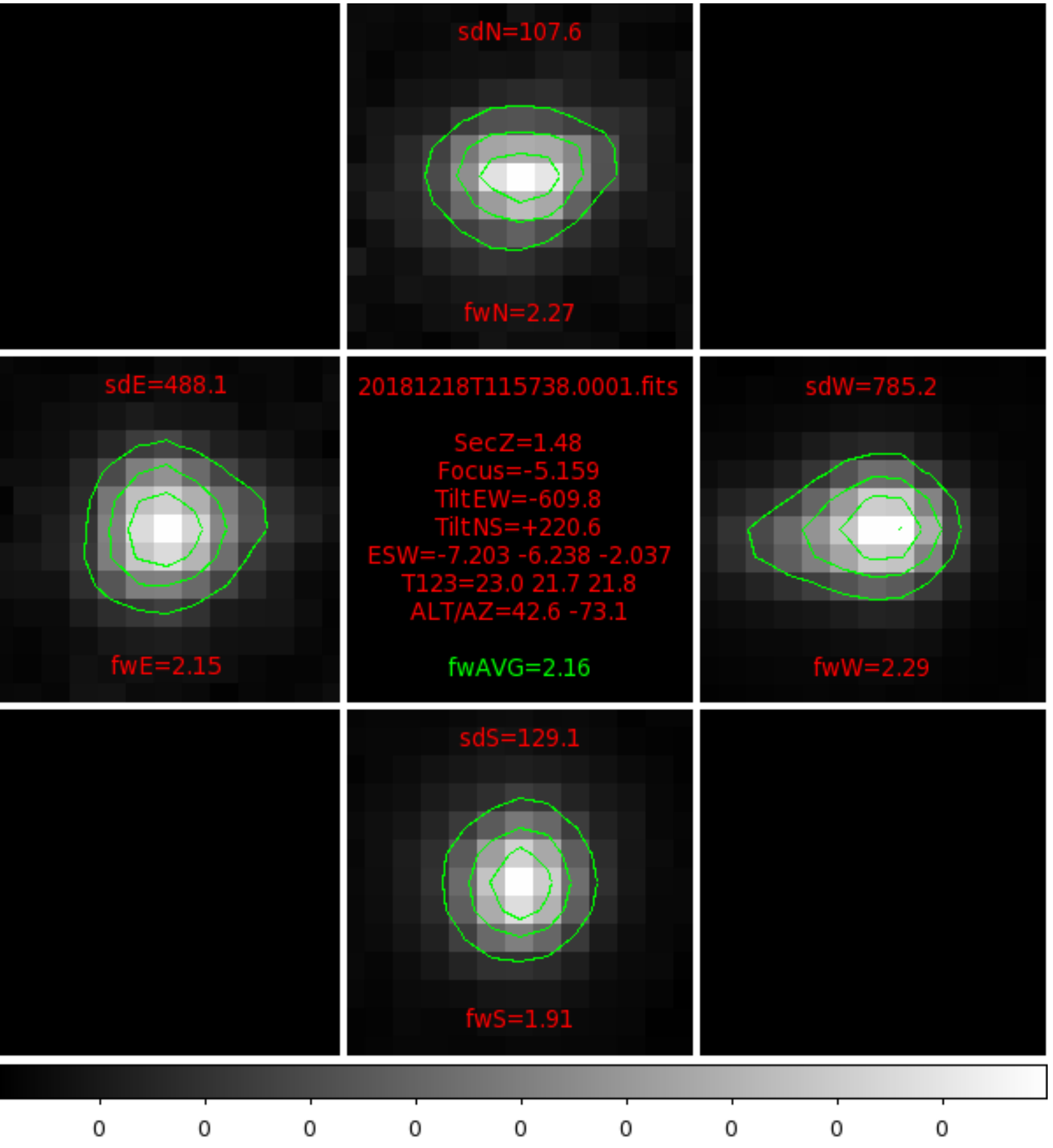

sdN=29.1
fwN=2.35
sdE=241.0
fwE=2.15
20181218T115651.0001.fits
SecZ=1.47
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.0 21.7 21.7
ALT/AZ=42.7 -73.2
fwAVG=2.09
sdW=274.6
fwW=2.15
sdS=34.0
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=107.6
fwN=2.27
sdE=488.1
fwE=2.15
20181218T115738.0001.fits
SecZ=1.48
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.0 21.7 21.8
ALT/AZ=42.6 -73.1
fwAVG=2.16
sdW=785.2
fwW=2.29
sdS=129.1
fwS=1.91
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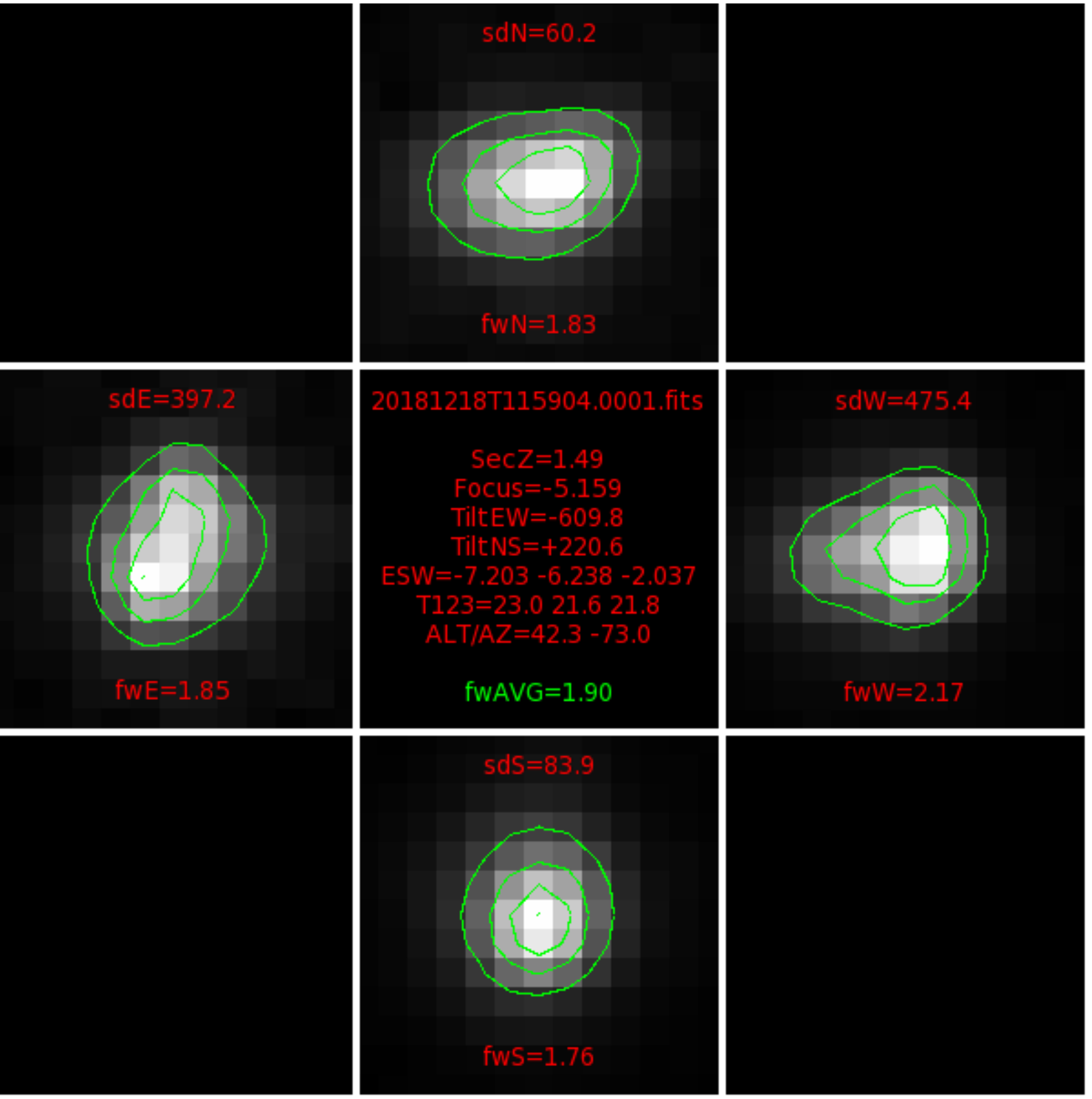
sdN=60.2
fwN=1.83
sdE=397.2
fwE=1.85
20181218T115904.0001.fits
SecZ=1.49
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=23.0 21.6 21.8
ALT/AZ=42.3 -73.0
fwAVG=1.90
sdW=475.4
fwW=2.17
sdS=83.9
fwS=1.76
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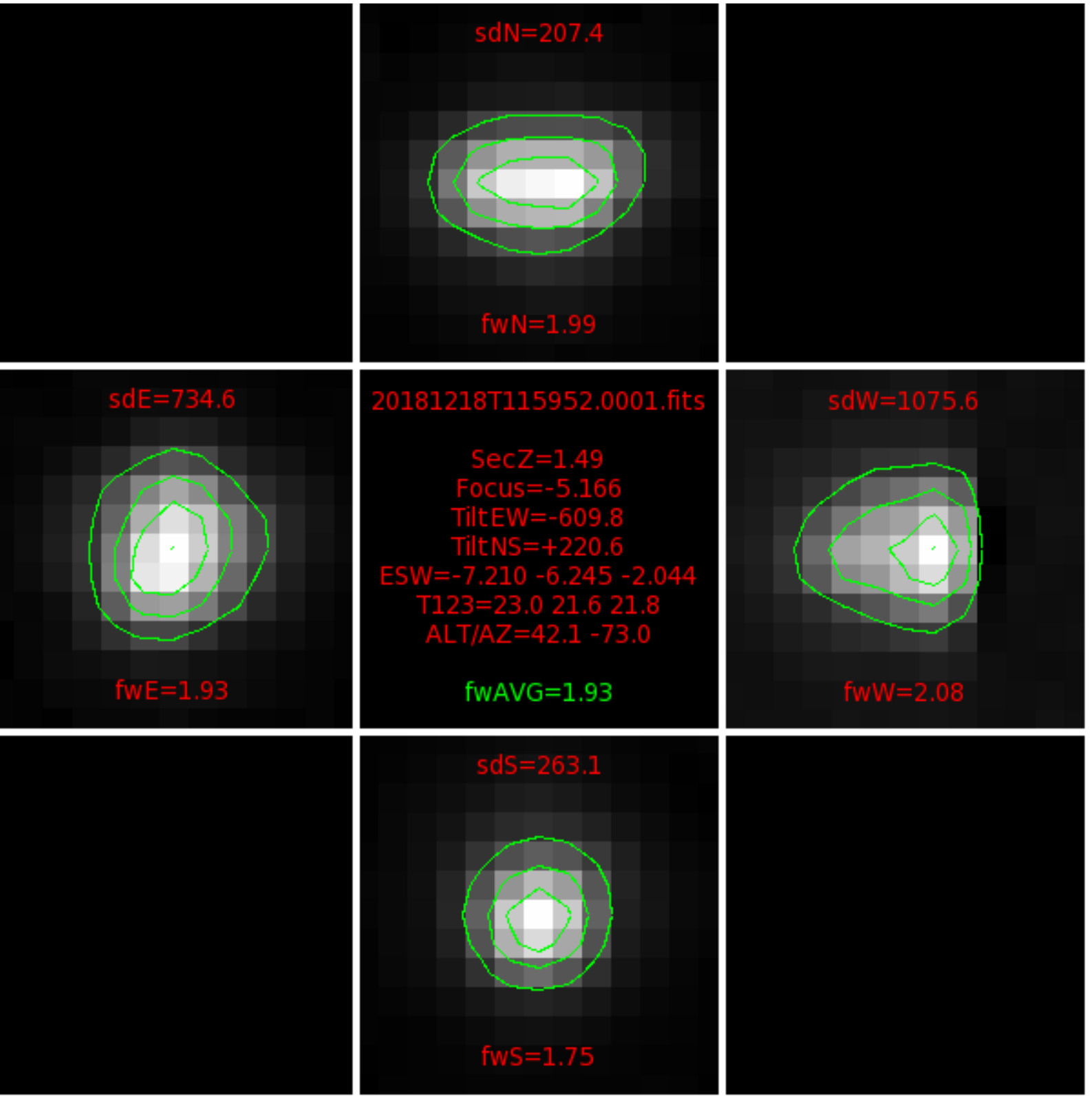
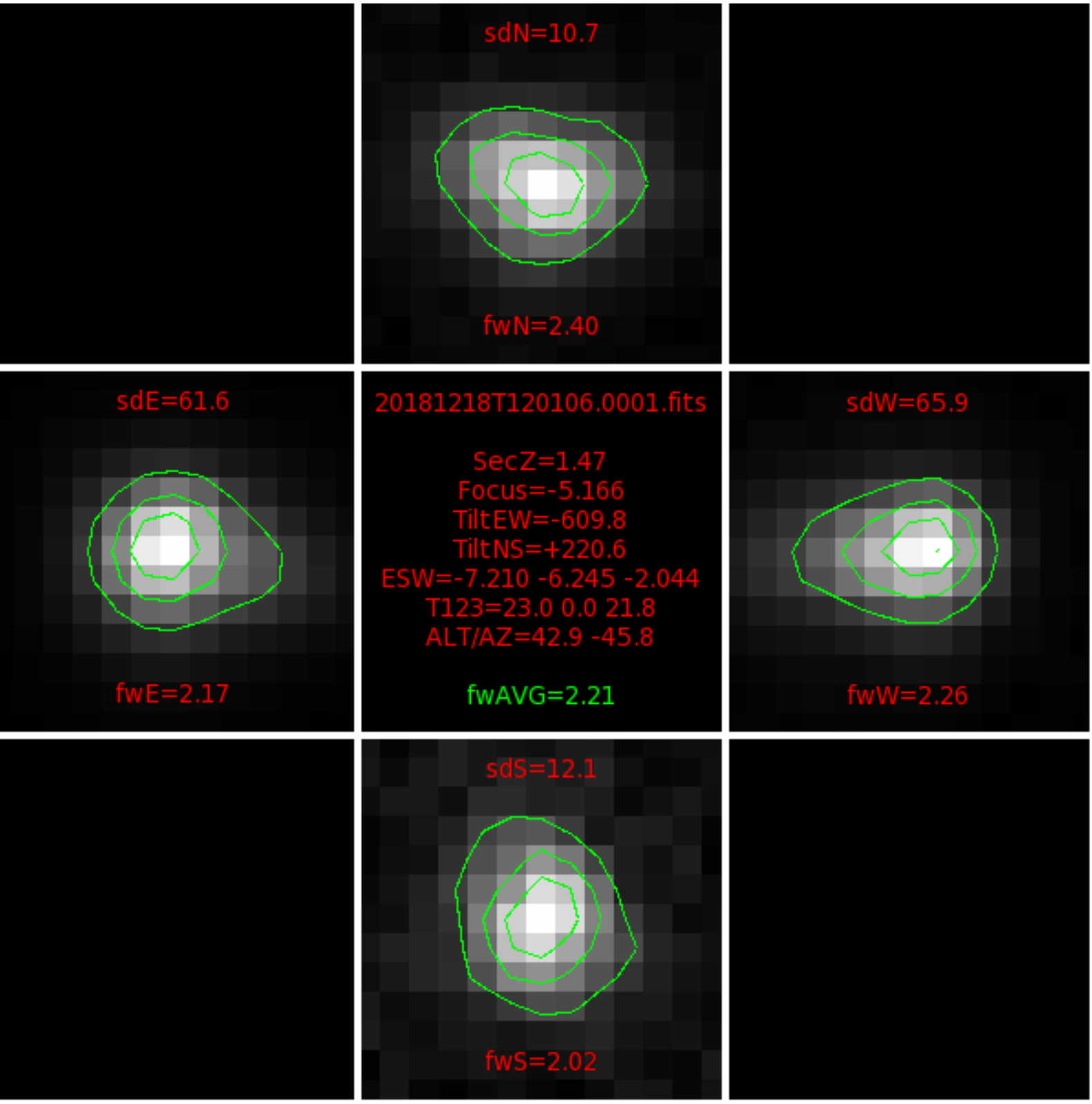

sdN=207.4
fwN=1.99
sdE=734.6
fwE=1.93
20181218T115952.0001.fits
SecZ=1.49
Focus=-5.166
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.210 -6.245 -2.044
T123=23.0 21.6 21.8
ALT/AZ=42.1 -73.0
fwAVG=1.93
sdW=1075.6
fwW=2.08
sdS=263.1
fwS=1.75
0 0 0 0 0 0 0 0 0


sdN=10.7
fwN=2.40
sdE=61.6
fwE=2.17
20181218T120106.0001.fits
SecZ=1.47
Focus=-5.166
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.210 -6.245 -2.044
T123=23.0 0.0 21.8
ALT/AZ=42.9 -45.8
fwAVG=2.21
sdW=65.9
fwW=2.26
sdS=12.1
fwS=2.02
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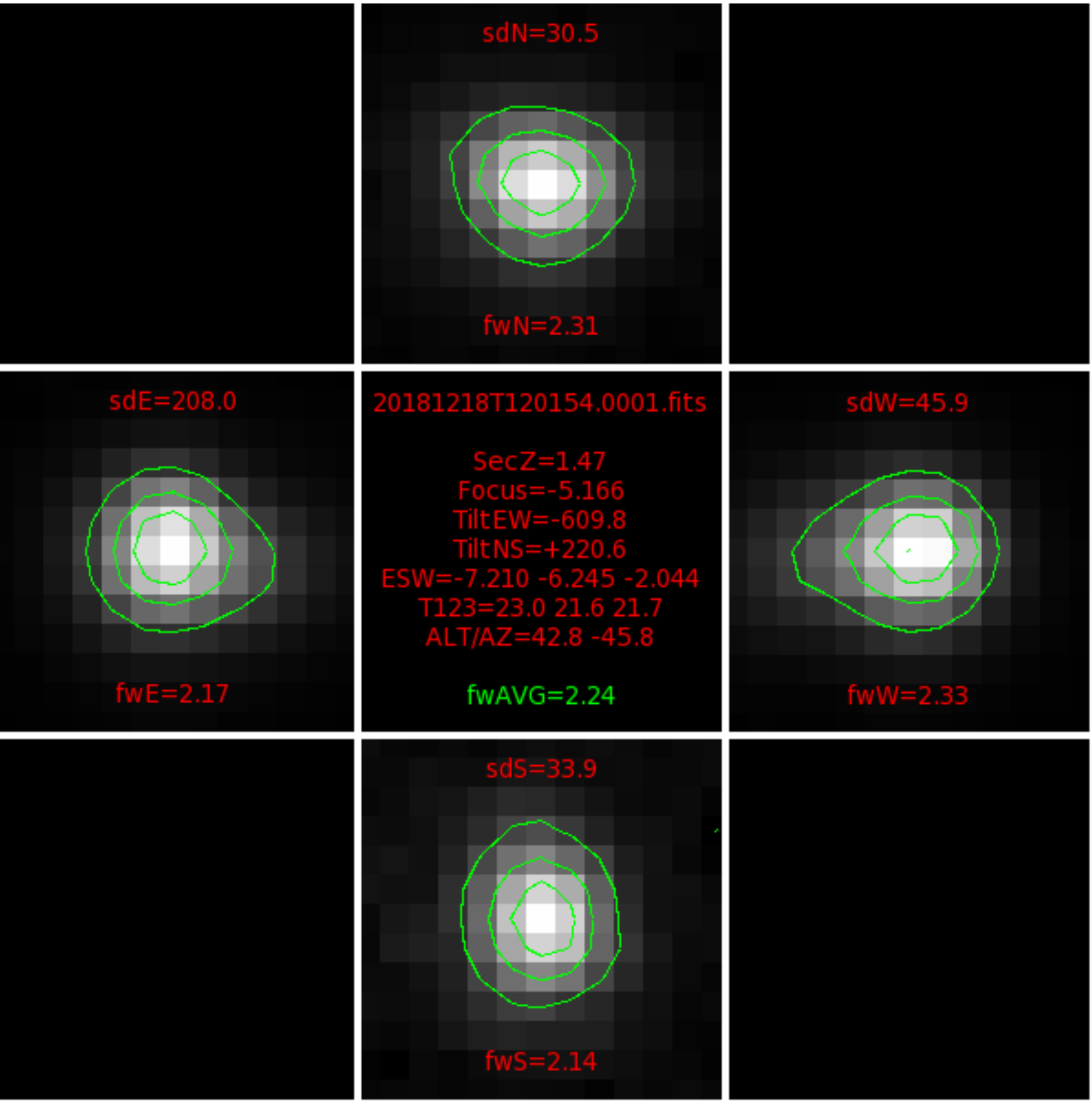
sdN=30.5
fwN=2.31
sdE=208.0
fwE=2.17
20181218T120154.0001.fits
SecZ=1.47
Focus=-5.166
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.210 -6.245 -2.044
T123=23.0 21.6 21.7
ALT/AZ=42.8 -45.8
fwAVG=2.24
sdW=45.9
fwW=2.33
sdS=33.9
fwS=2.14
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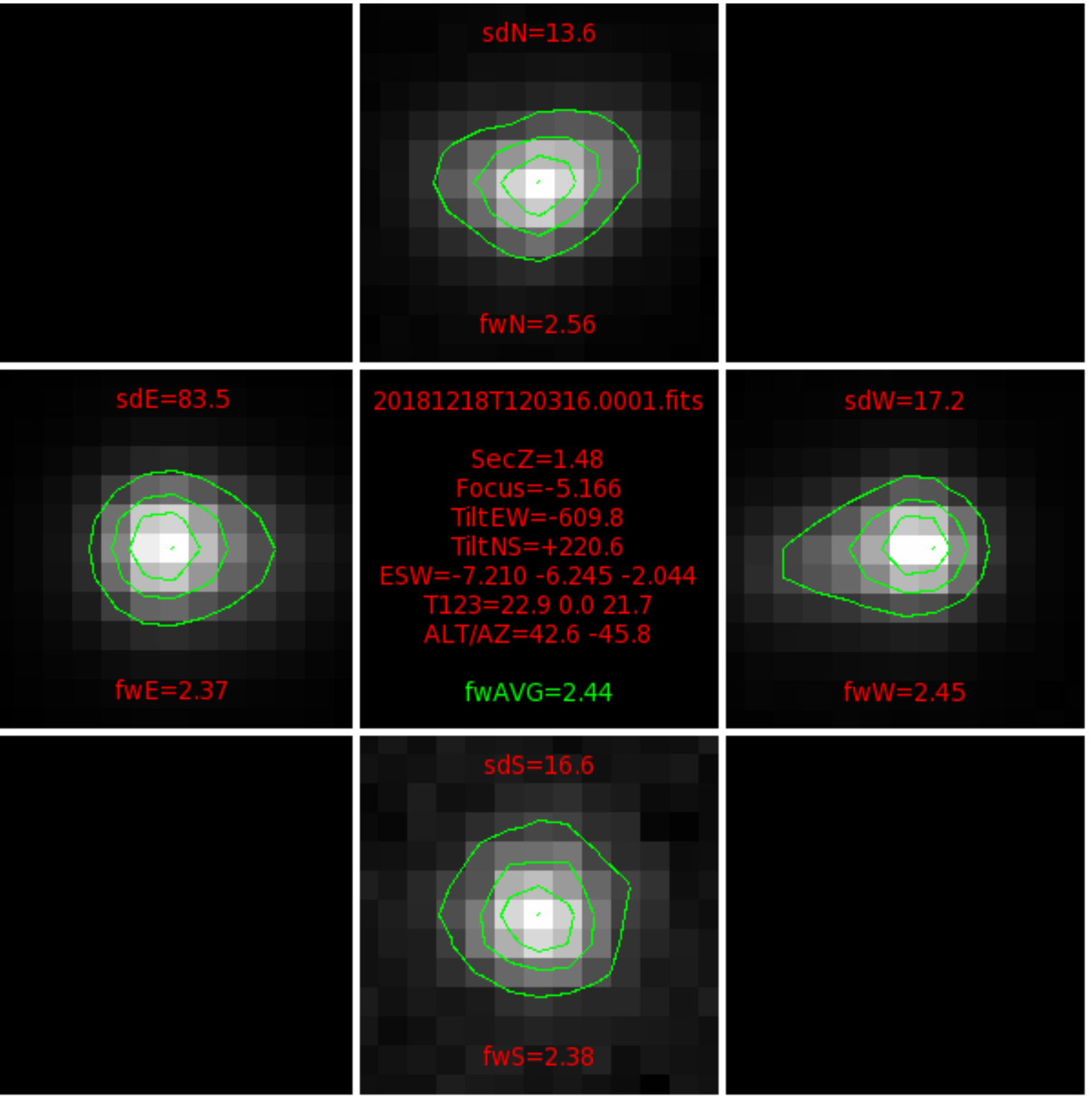
sdN=13.6
fwN=2.56
sdE=83.5
fwE=2.37
20181218T120316.0001.fits
SecZ=1.48
Focus=-5.166
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.210 -6.245 -2.044
T123=22.9 0.0 21.7
ALT/AZ=42.6 -45.8
fwAVG=2.44
sdW=17.2
fwW=2.45
sdS=16.6
fwS=2.38
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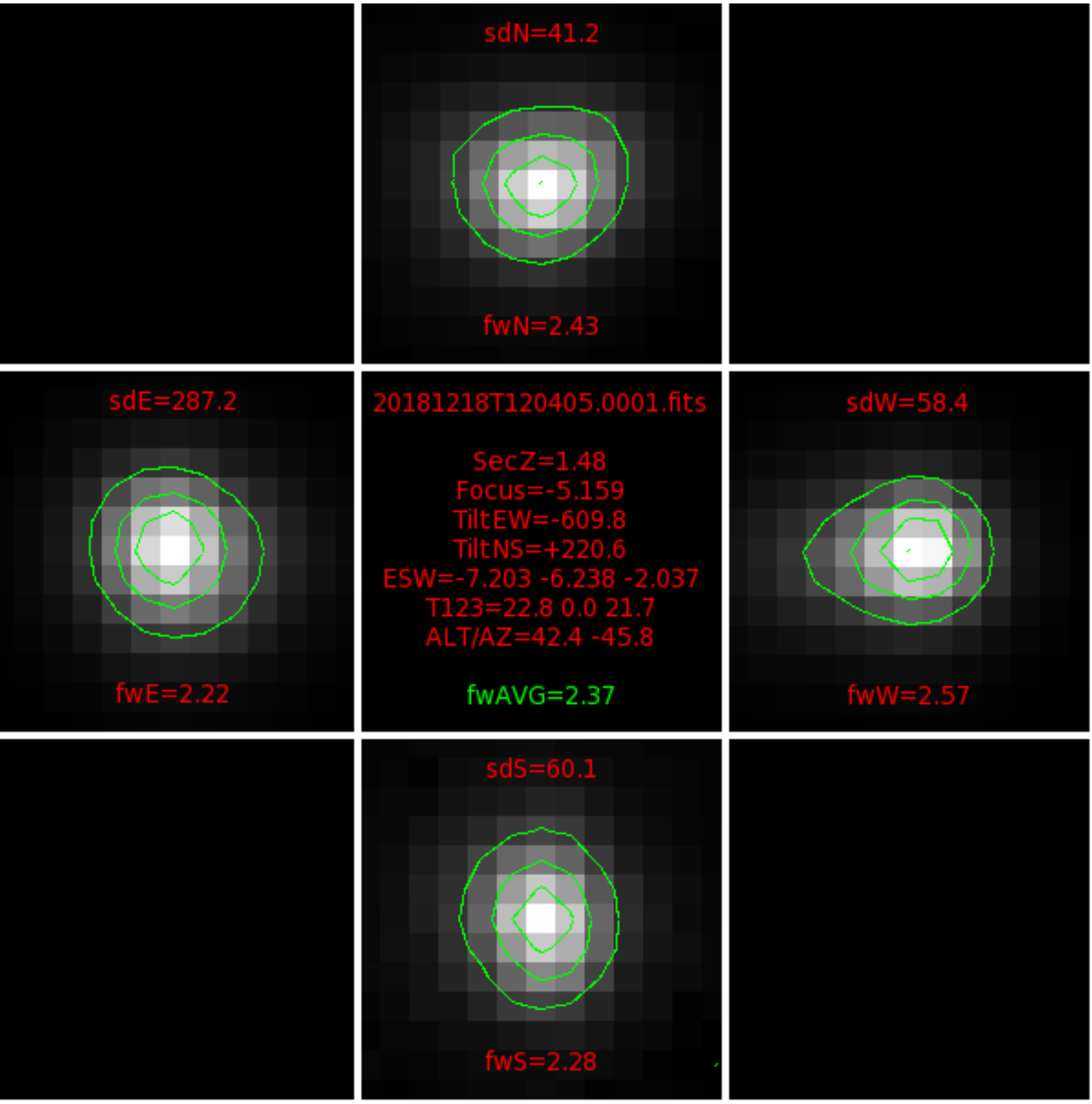
sdN=41.2
fwN=2.43
sdE=287.2
fwE=2.22
20181218T120405.0001.fits
SecZ=1.48
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.8 0.0 21.7
ALT/AZ=42.4 -45.8
fwAVG=2.37
sdW=58.4
fwW=2.57
sdS=60.1
fwS=2.28
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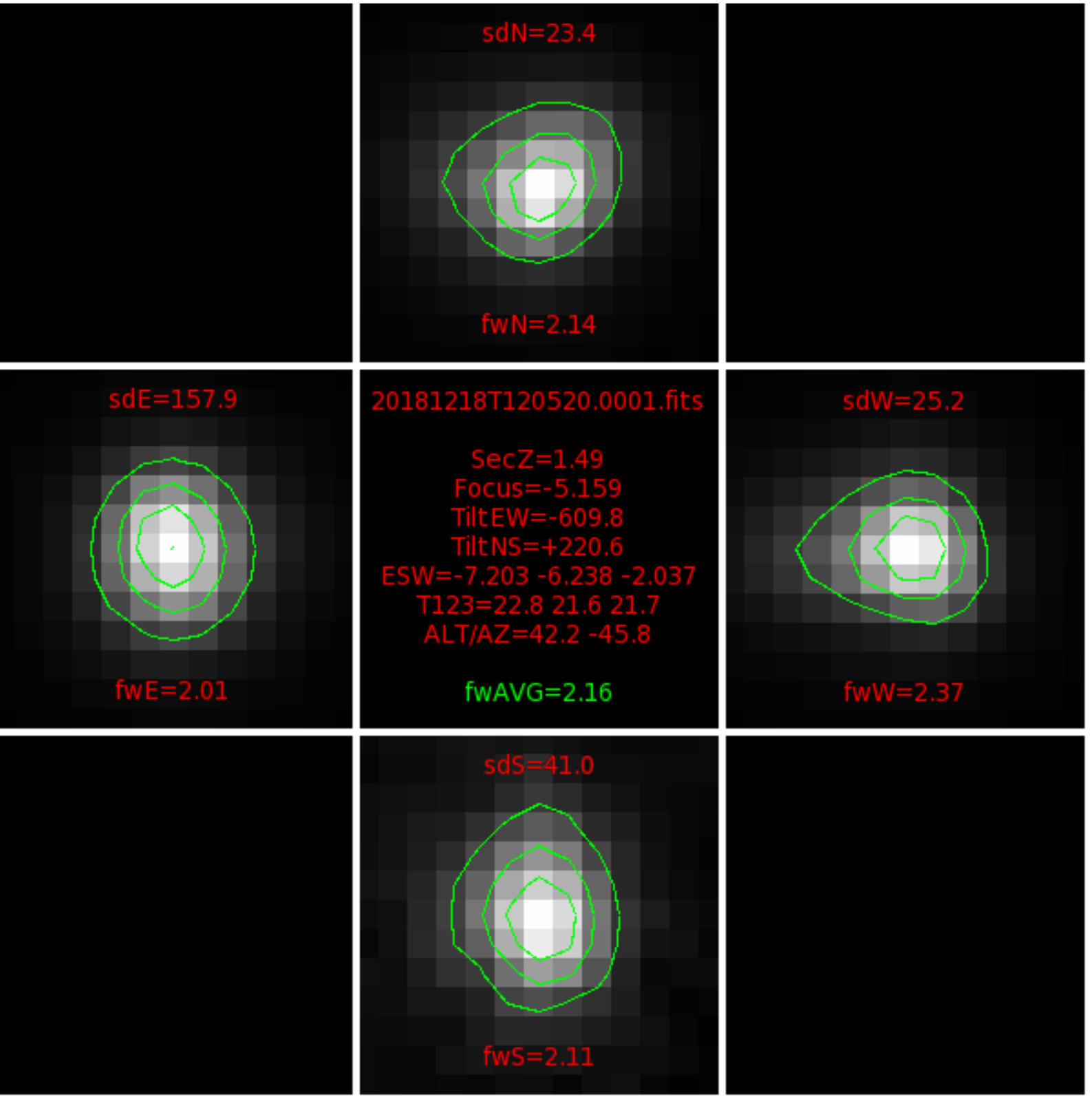
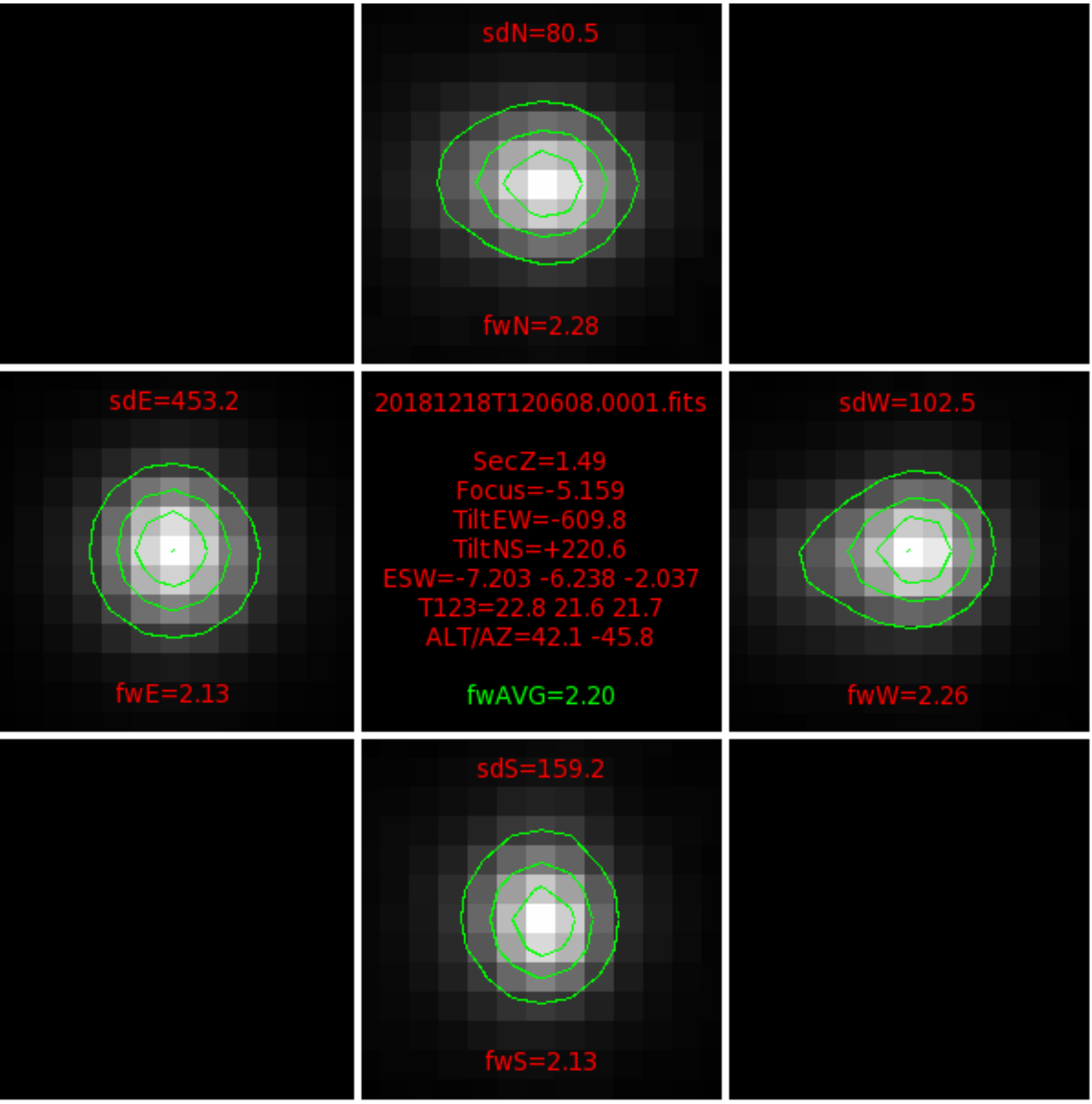
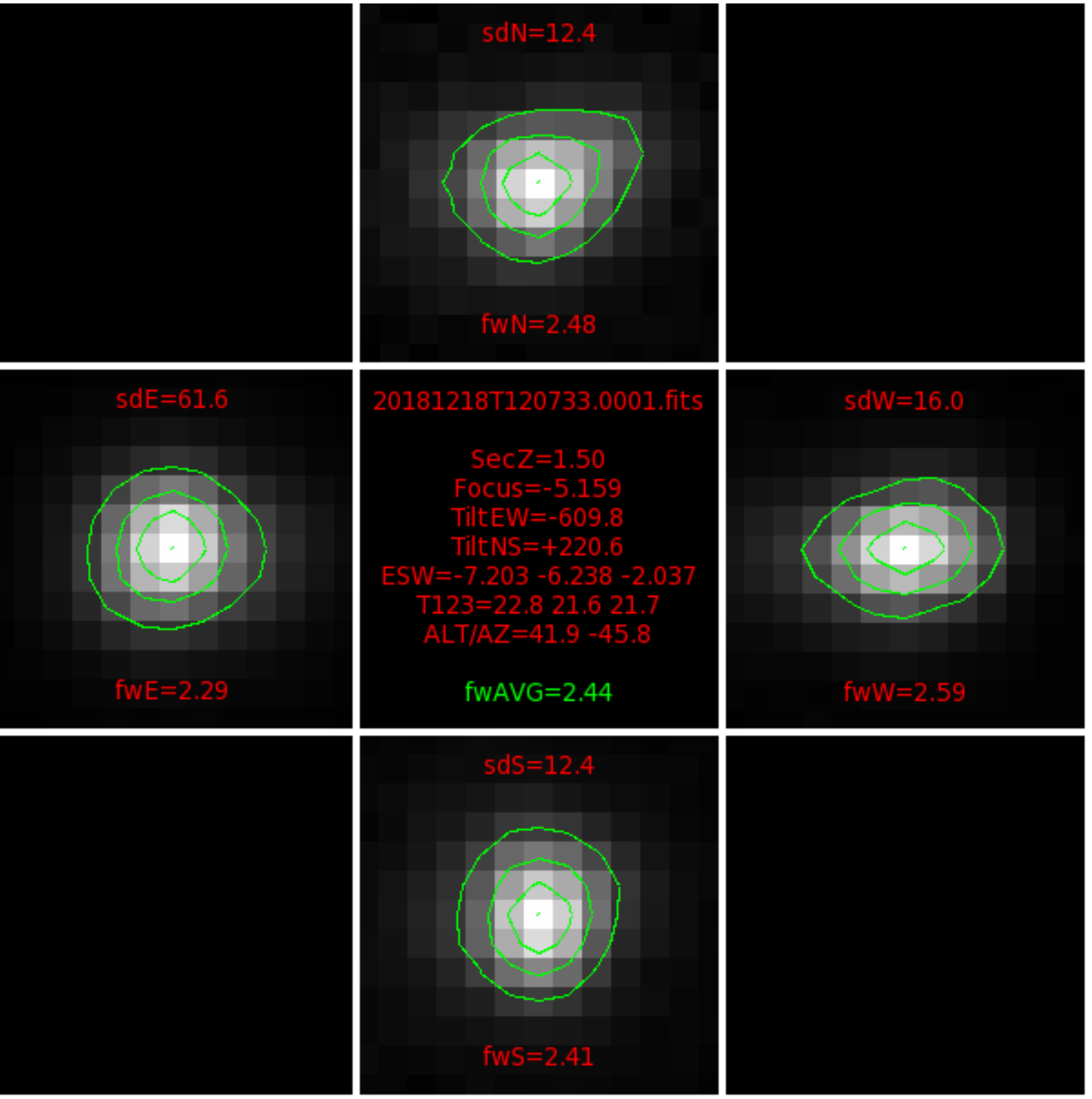
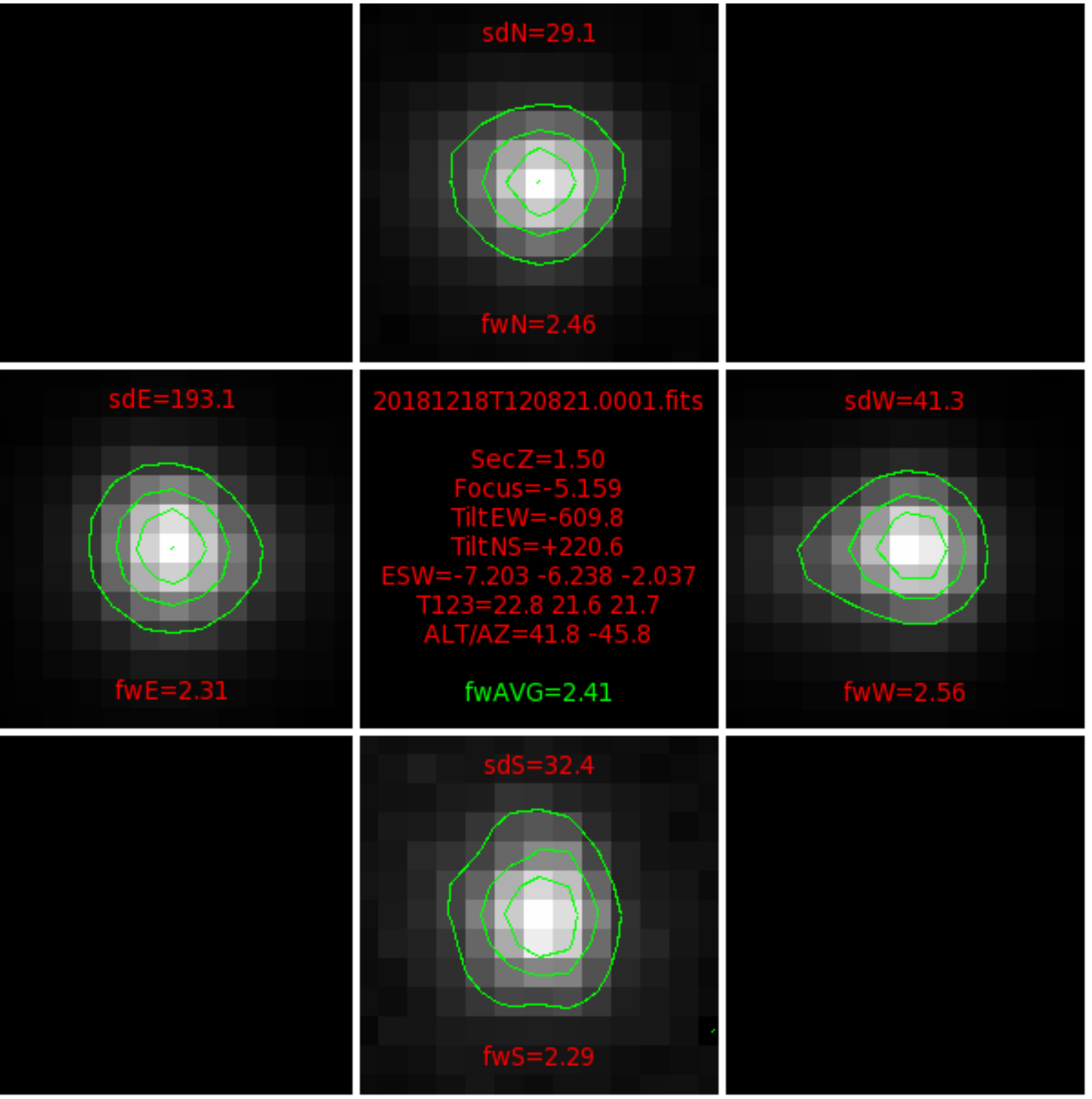
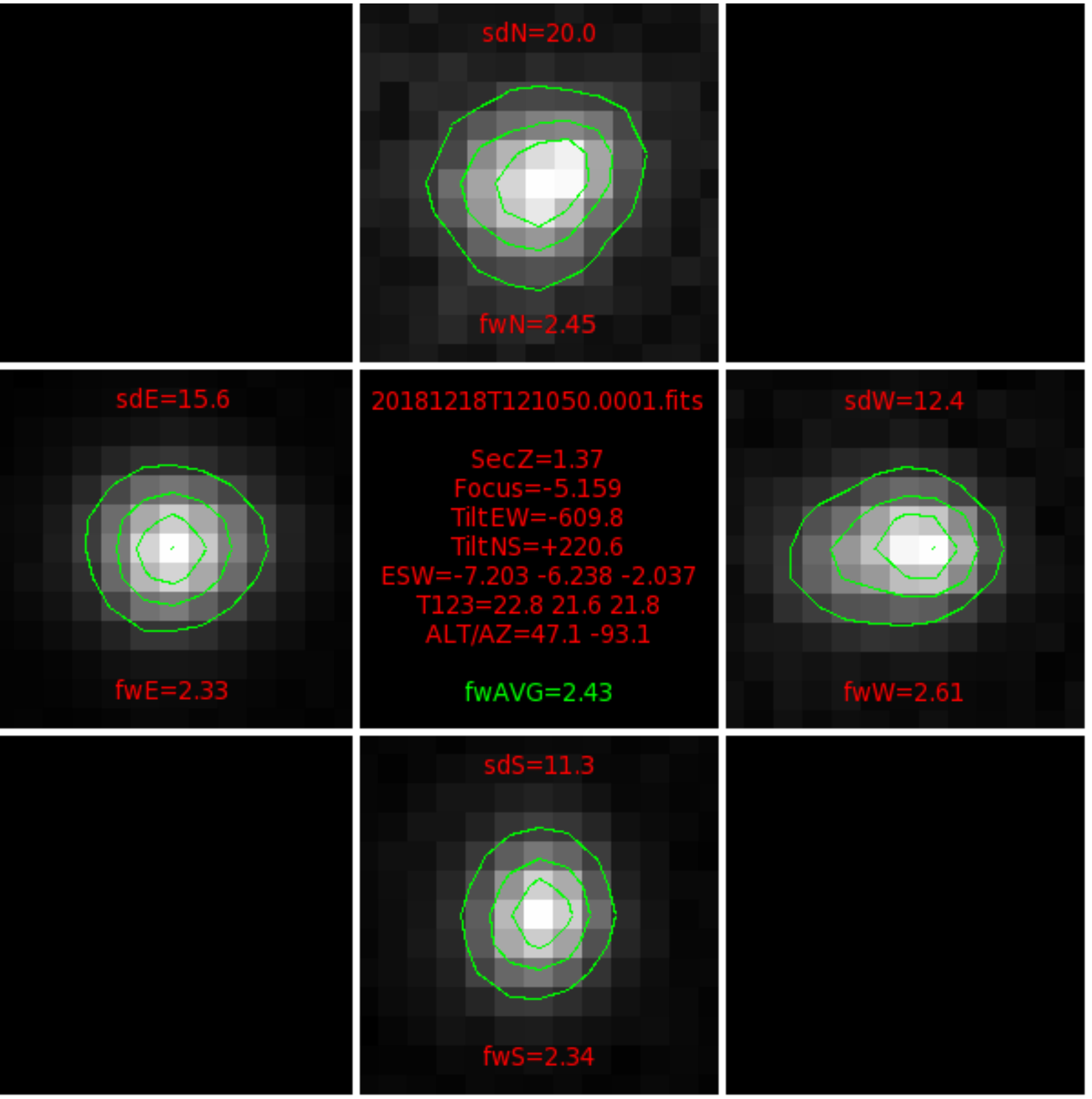

sdN=23.4
fwN=2.14
sdE=157.9
fwE=2.01
20181218T120520.0001.fits
SecZ=1.49
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.8 21.6 21.7
ALT/AZ=42.2 -45.8
fwAVG=2.16
sdW=25.2
fwW=2.37
sdS=41.0
fwS=2.11
0 0 0 0 0 0 0 0 0


sdN=80.5
fwN=2.28
sdE=453.2
fwE=2.13
20181218T120608.0001.fits
SecZ=1.49
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.8 21.6 21.7
ALT/AZ=42.1 -45.8
fwAVG=2.20
sdW=102.5
fwW=2.26
sdS=159.2
fwS=2.13
0 0 0 0 0 0 0 0 0


sdN=12.4
fwN=2.48
sdE=61.6
fwE=2.29
20181218T120733.0001.fits
SecZ=1.50
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.8 21.6 21.7
ALT/AZ=41.9 -45.8
fwAVG=2.44
sdW=16.0
fwW=2.59
sdS=12.4
fwS=2.41
0 0 0 0 0 0 0 0 0


sdN=29.1
fwN=2.46
sdE=193.1
fwE=2.31
20181218T120821.0001.fits
SecZ=1.50
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.8 21.6 21.7
ALT/AZ=41.8 -45.8
fwAVG=2.41
sdW=41.3
fwW=2.56
sdS=32.4
fwS=2.29
0 0 0 0 0 0 0 0 0


sdN=20.0
fwN=2.45
sdE=15.6
fwE=2.33
20181218T121050.0001.fits
SecZ=1.37
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.8 21.6 21.8
ALT/AZ=47.1 -93.1
fwAVG=2.43
sdW=12.4
fwW=2.61
sdS=11.3
fwS=2.34
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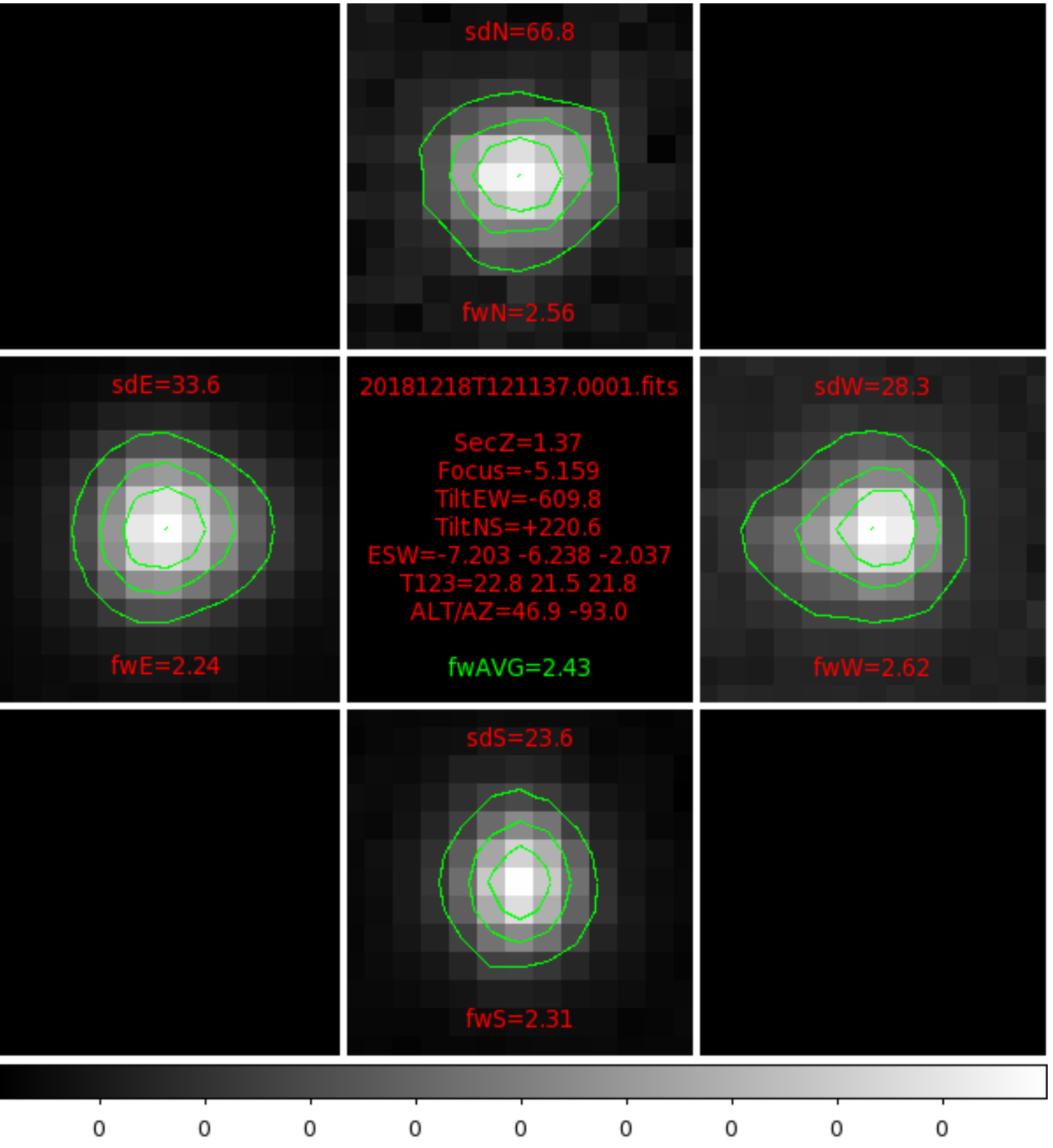
sdN=66.8
fwN=2.56
sdE=33.6
fwE=2.24
20181218T121137.0001.fits
SecZ=1.37
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.8 21.5 21.8
ALT/AZ=46.9 -93.0
fwAVG=2.43
sdW=28.3
fwW=2.62
sdS=23.6
fwS=2.31
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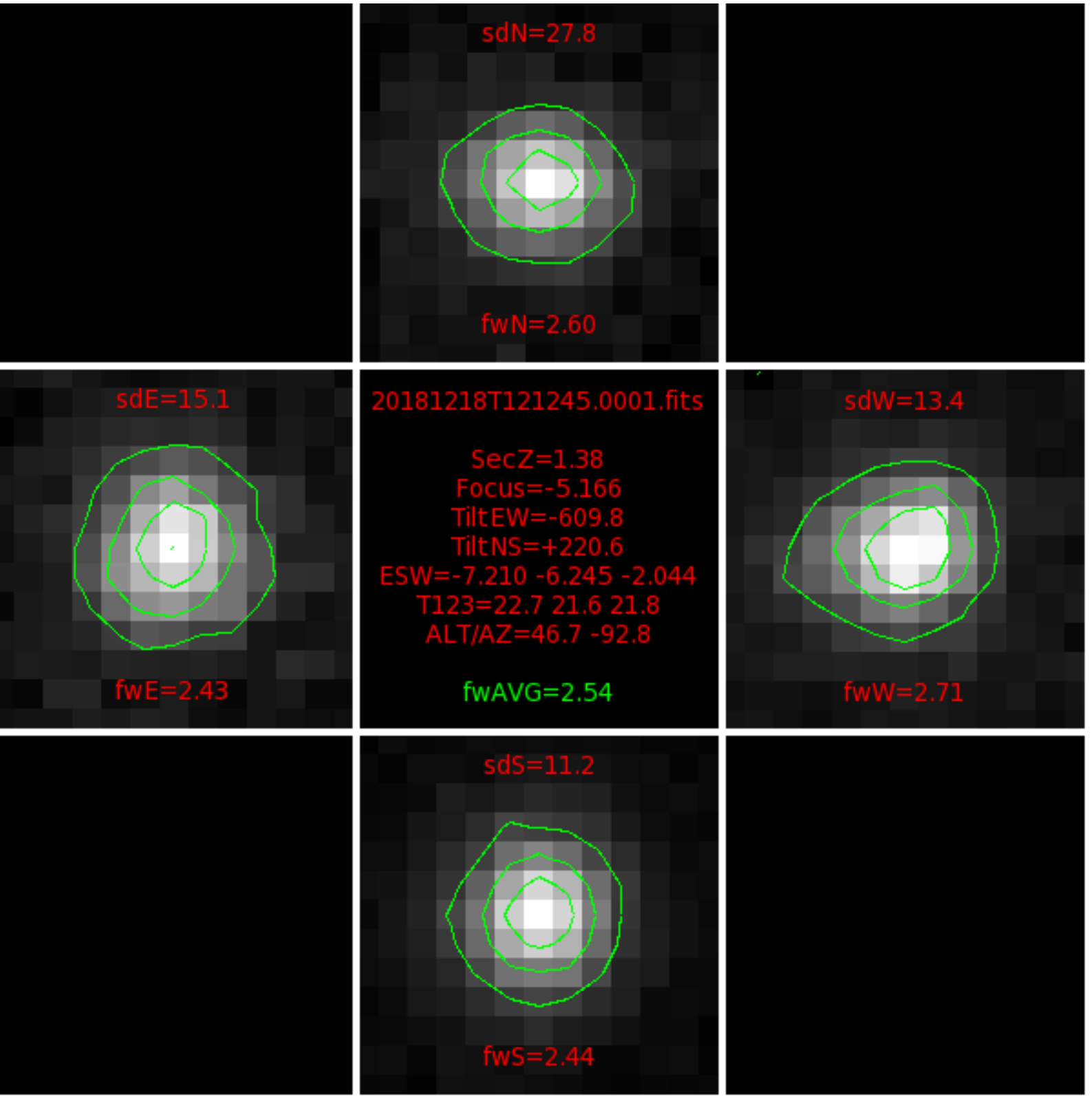
sdN=27.8
fwN=2.60
sdE=15.1
fwE=2.43
20181218T121245.0001.fits
SecZ=1.38
Focus=-5.166
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.210 -6.245 -2.044
T123=22.7 21.6 21.8
ALT/AZ=46.7 -92.8
fwAVG=2.54
sdW=13.4
fwW=2.71
sdS=11.2
fwS=2.44
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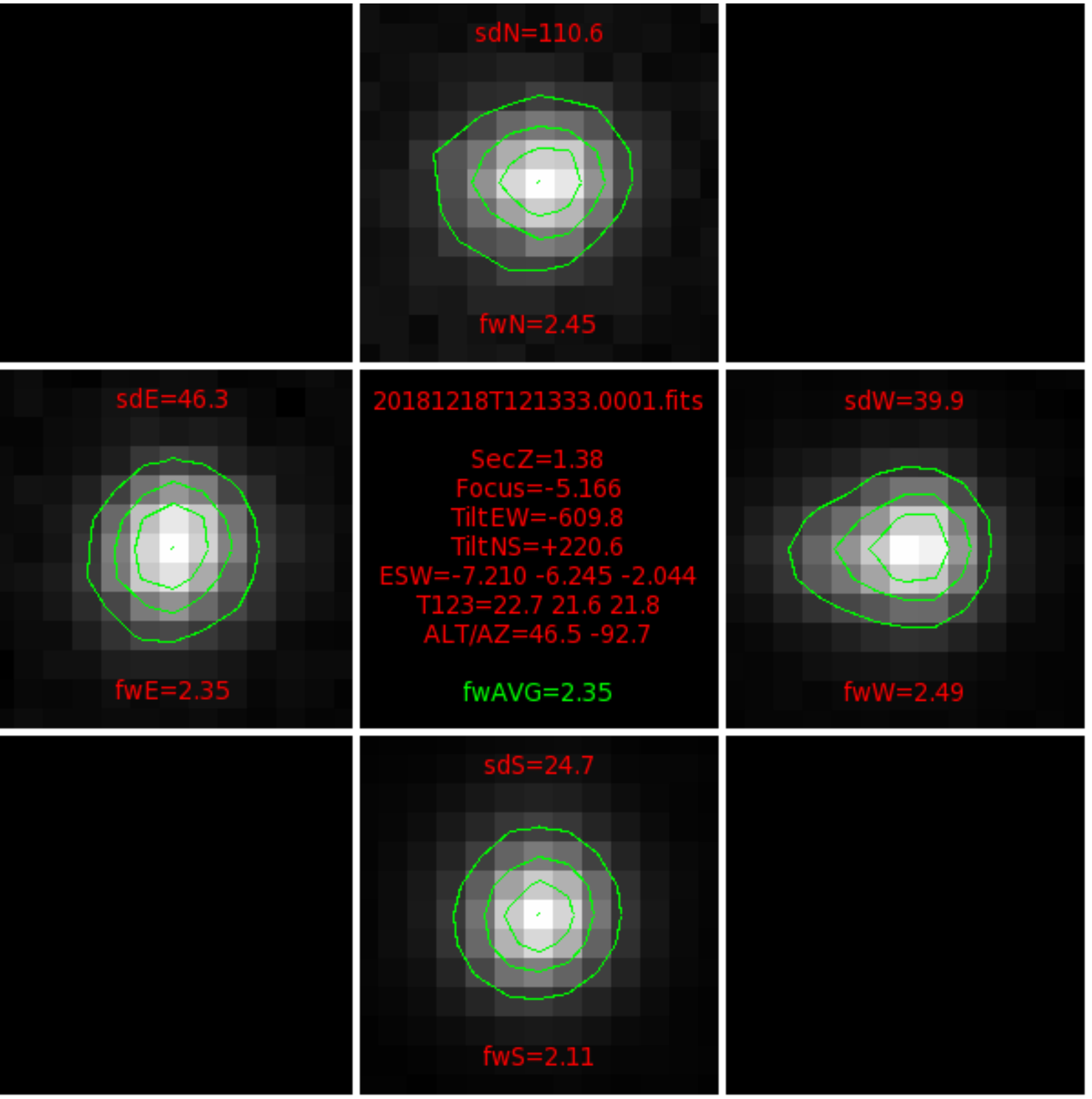
sdN=110.6
fwN=2.45
sdE=46.3
fwE=2.35
20181218T121333.0001.fits
SecZ=1.38
Focus=-5.166
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.210 -6.245 -2.044
T123=22.7 21.6 21.8
ALT/AZ=46.5 -92.7
fwAVG=2.35
sdW=39.9
fwW=2.49
sdS=24.7
fwS=2.11
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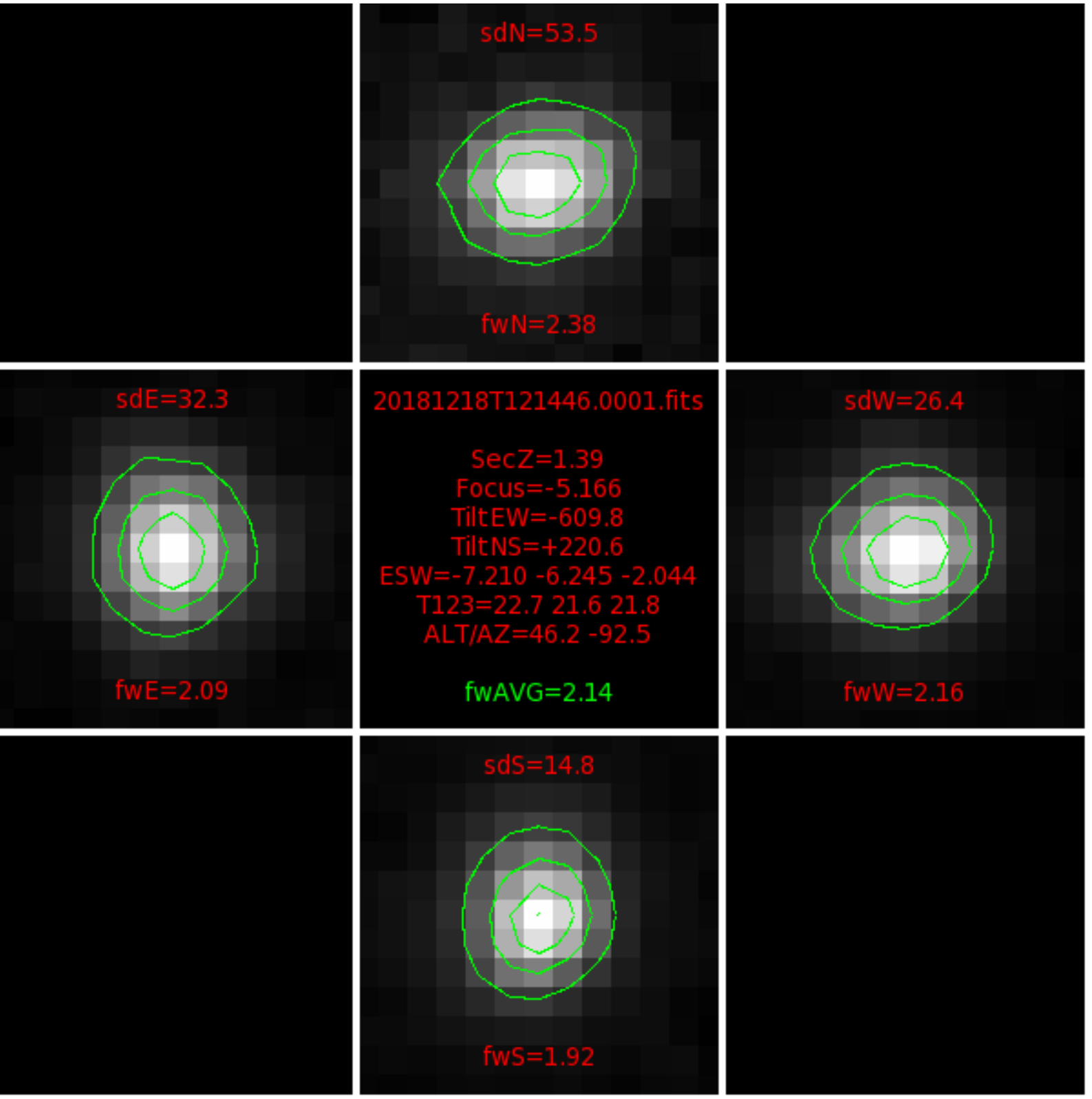
sdN=53.5
fwN=2.38
sdE=32.3
fwE=2.09
20181218T121446.0001.fits
SecZ=1.39
Focus=-5.166
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.210 -6.245 -2.044
T123=22.7 21.6 21.8
ALT/AZ=46.2 -92.5
fwAVG=2.14
sdW=26.4
fwW=2.16
sdS=14.8
fwS=1.92
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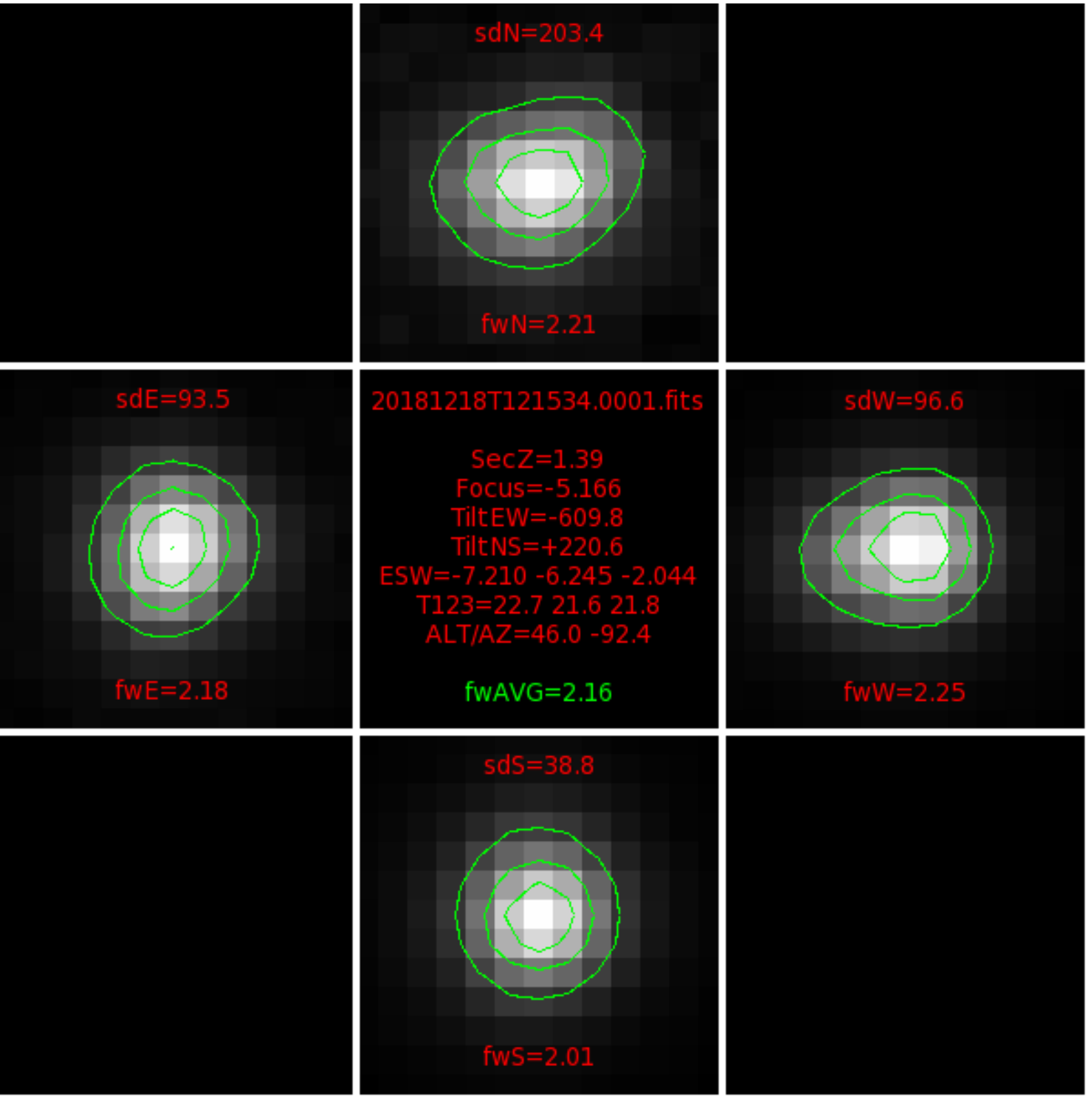
sdN=203.4
fwN=2.21
sdE=93.5
fwE=2.18
20181218T121534.0001.fits
SecZ=1.39
Focus=-5.166
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.210 -6.245 -2.044
T123=22.7 21.6 21.8
ALT/AZ=46.0 -92.4
fwAVG=2.16
sdW=96.6
fwW=2.25
sdS=38.8
fwS=2.01
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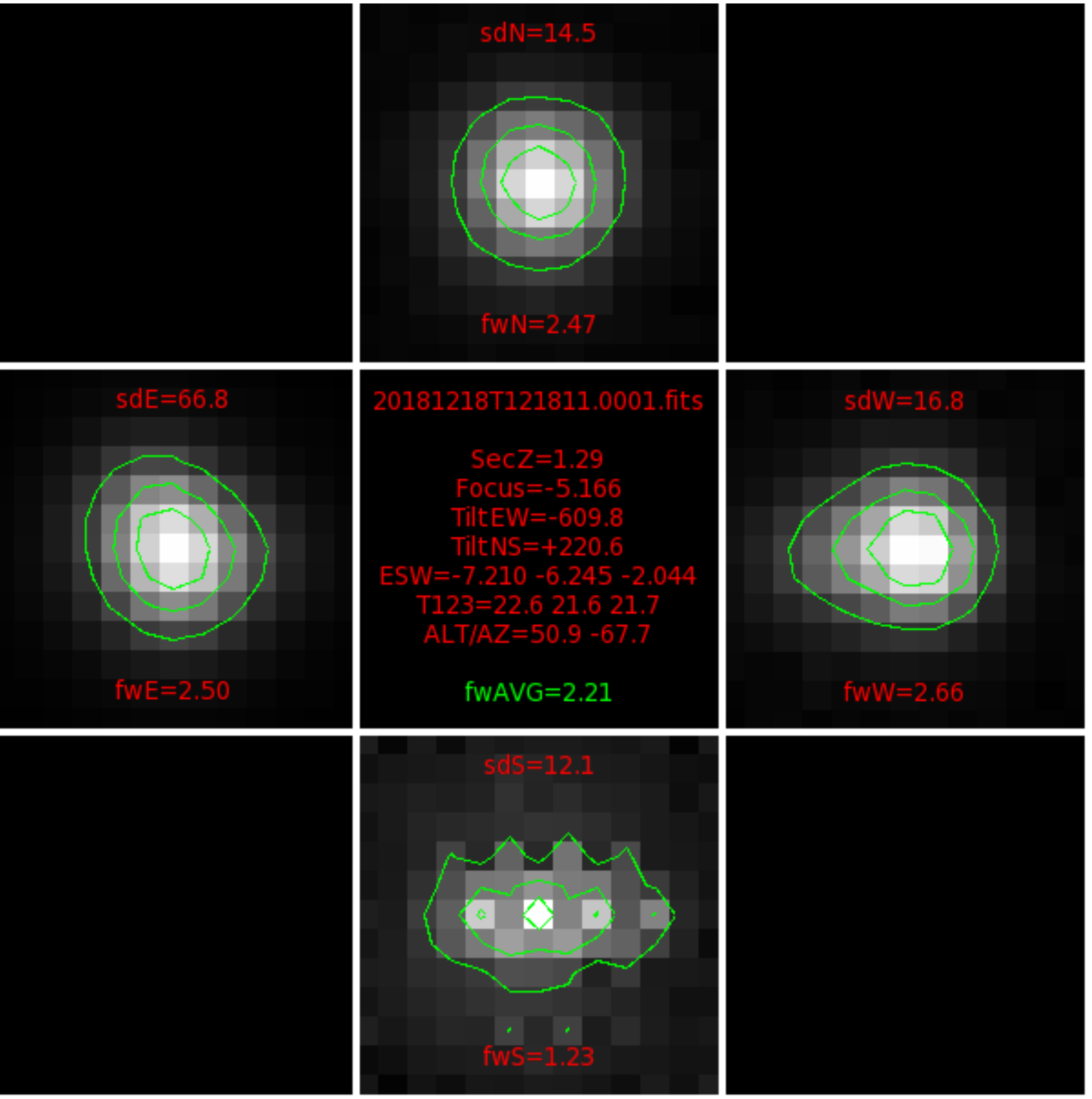
sdN=14.5
fwN=2.47
sdE=66.8
fwE=2.50
20181218T121811.0001.fits
SecZ=1.29
Focus=-5.166
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.210 -6.245 -2.044
T123=22.6 21.6 21.7
ALT/AZ=50.9 -67.7
fwAVG=2.21
sdW=16.8
fwW=2.66
sdS=12.1
fwS=1.23
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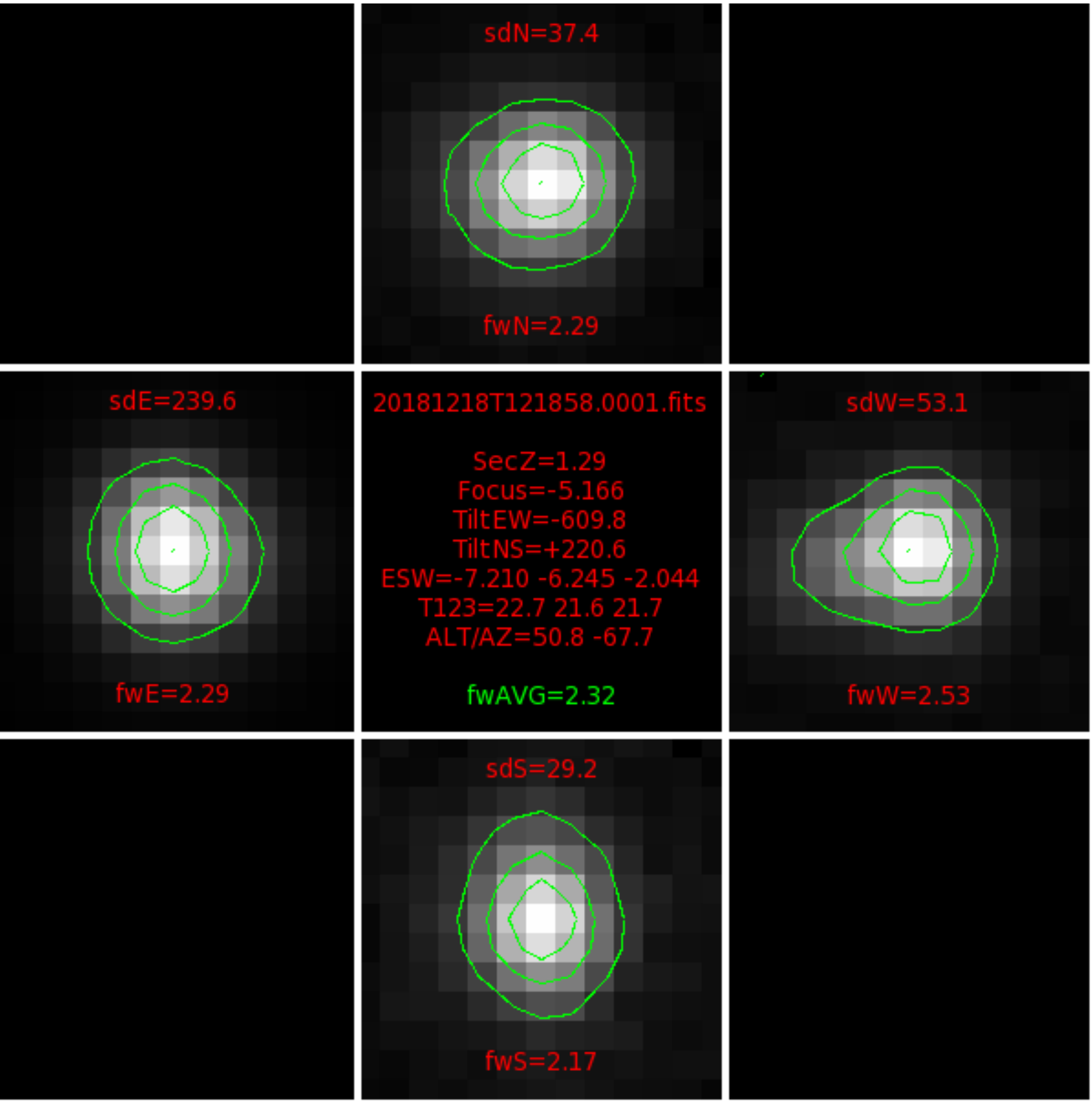
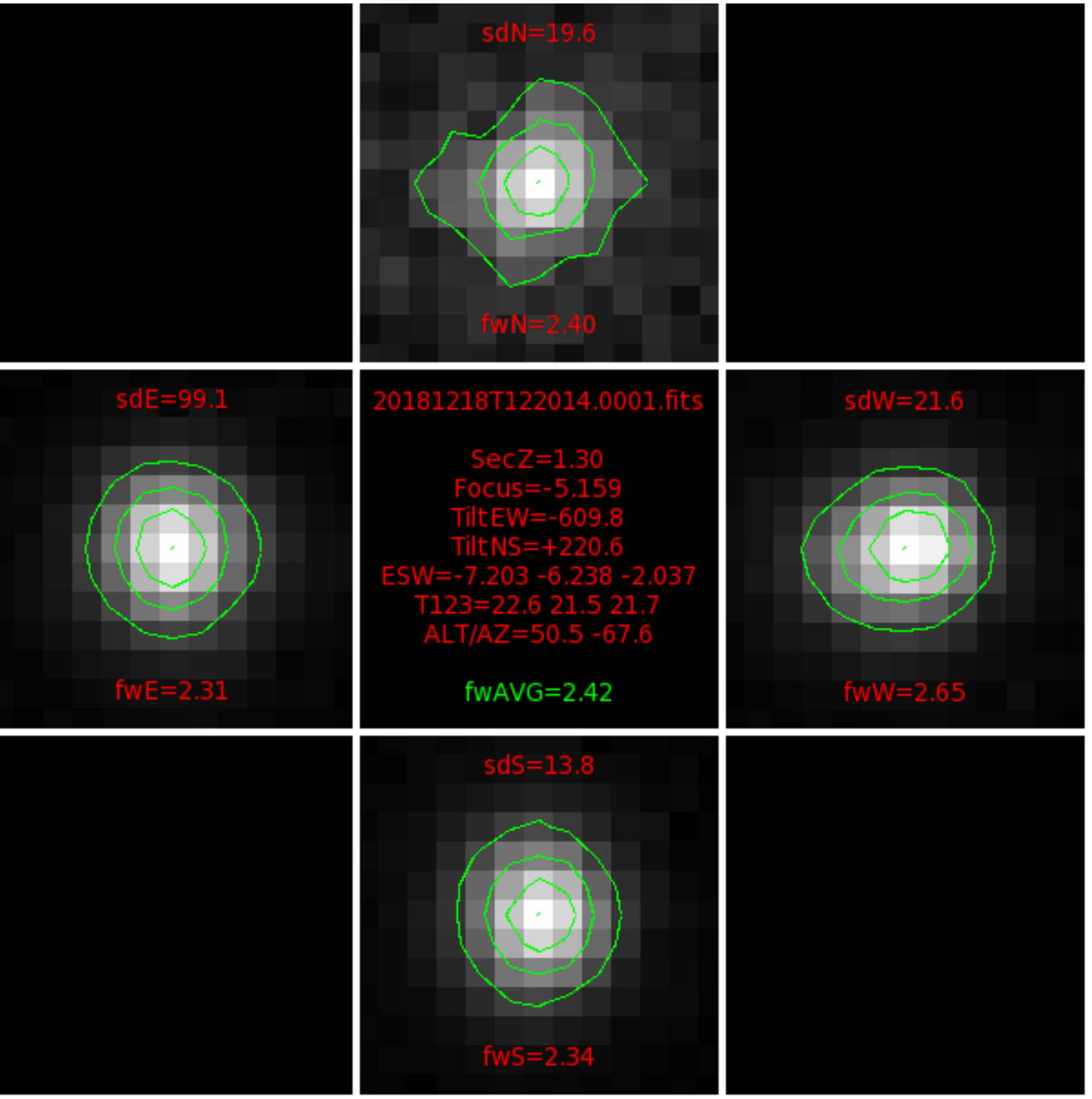

sdN=37.4
fwN=2.29
sdE=239.6
fwE=2.29
20181218T121858.0001.fits
SecZ=1.29
Focus=-5.166
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.210 -6.245 -2.044
T123=22.7 21.6 21.7
ALT/AZ=50.8 -67.7
fwAVG=2.32
sdW=53.1
fwW=2.53
sdS=29.2
fwS=2.17
0 0 0 0 0 0 0 0 0


sdN=19.6
fwN=2.40
sdE=99.1
fwE=2.31
20181218T122014.0001.fits
SecZ=1.30
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.6 21.5 21.7
ALT/AZ=50.5 -67.6
fwAVG=2.42
sdW=21.6
fwW=2.65
sdS=13.8
fwS=2.34
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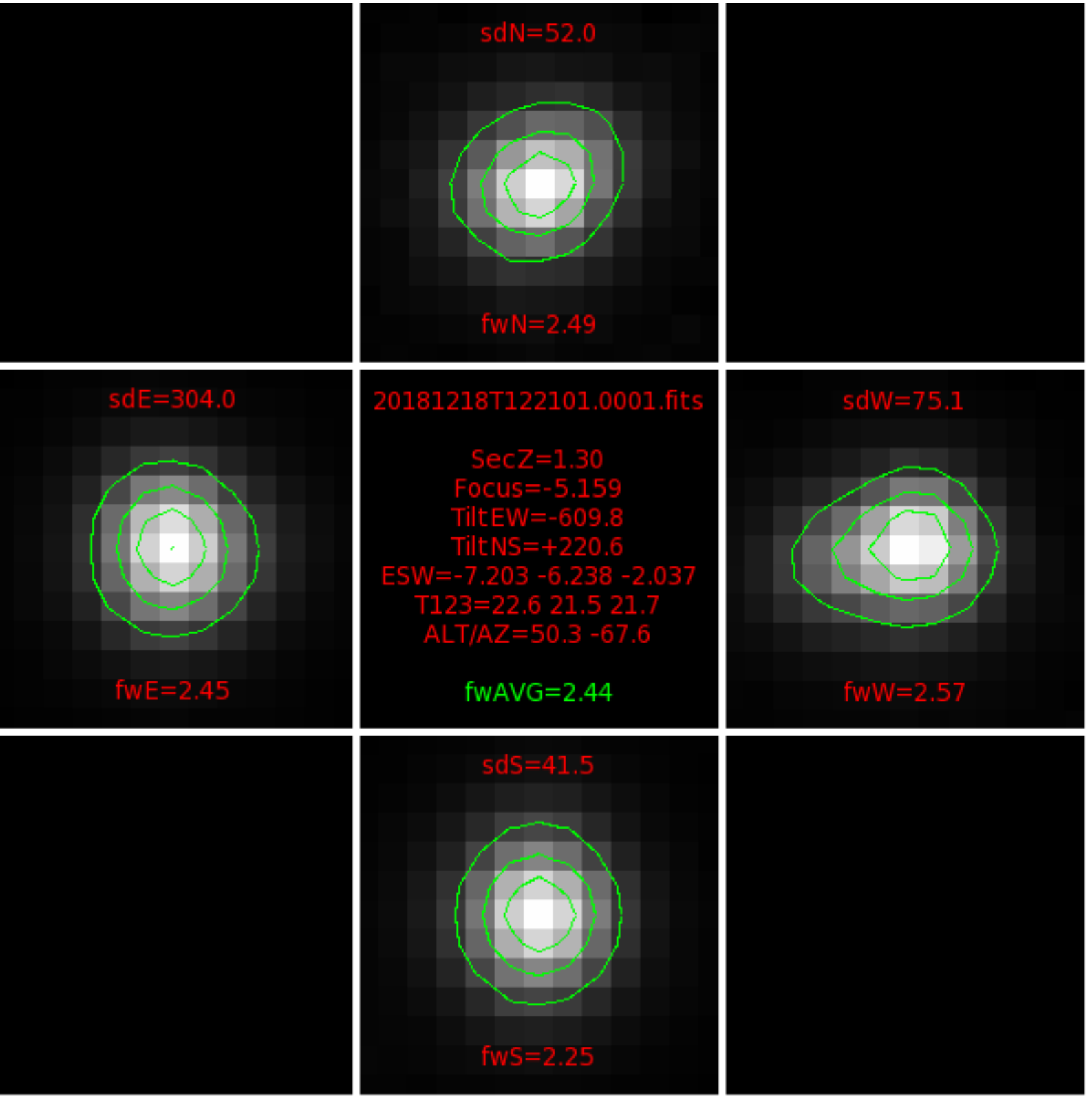
sdN=52.0
fwN=2.49
sdE=304.0
fwE=2.45
20181218T122101.0001.fits
SecZ=1.30
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.6 21.5 21.7
ALT/AZ=50.3 -67.6
fwAVG=2.44
sdW=75.1
fwW=2.57
sdS=41.5
fwS=2.25
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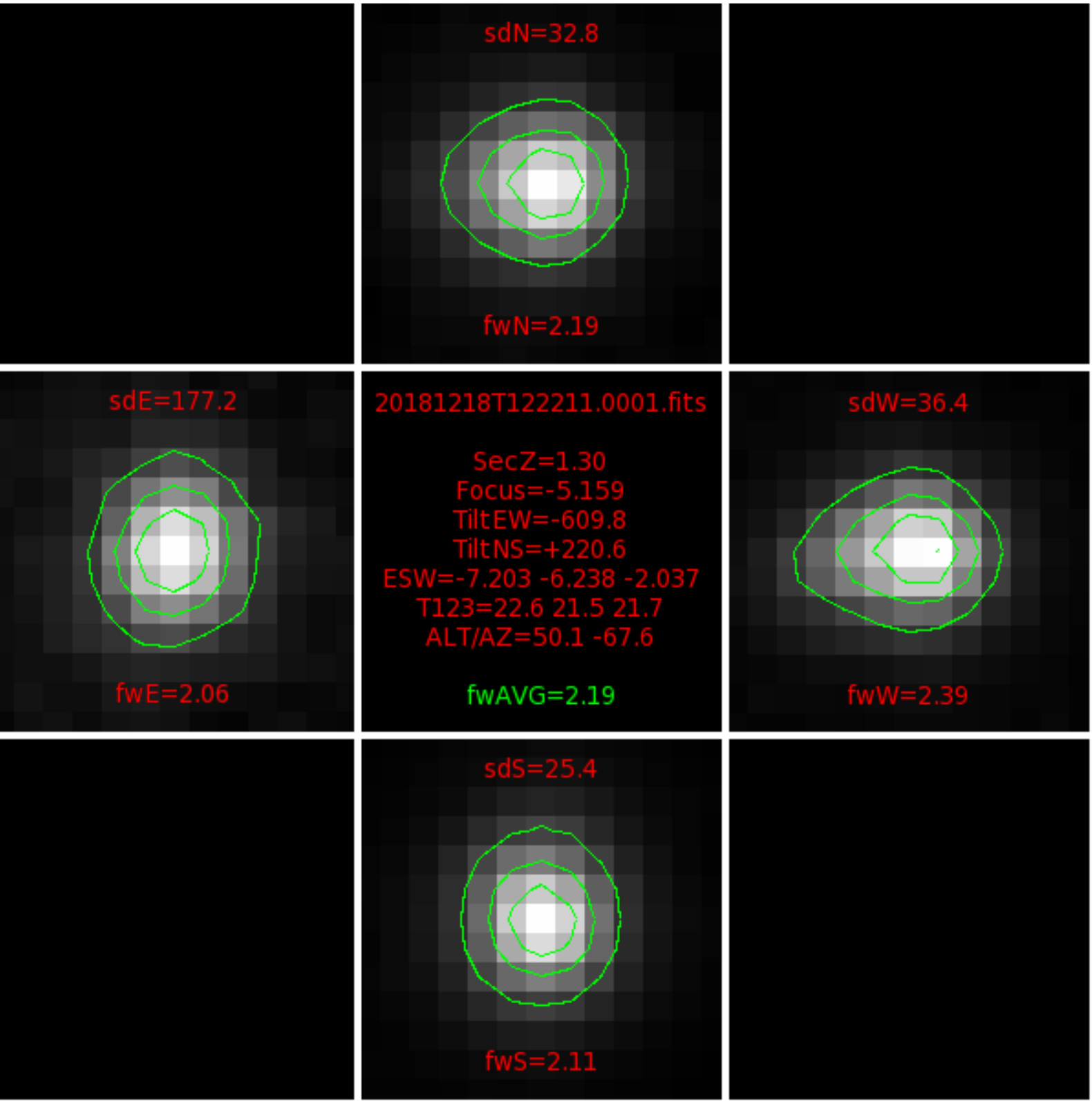
sdN=32.8
fwN=2.19
sdE=177.2
fwE=2.06
20181218T122211.0001.fits
SecZ=1.30
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.6 21.5 21.7
ALT/AZ=50.1 -67.6
fwAVG=2.19
sdW=36.4
fwW=2.39
sdS=25.4
fwS=2.11
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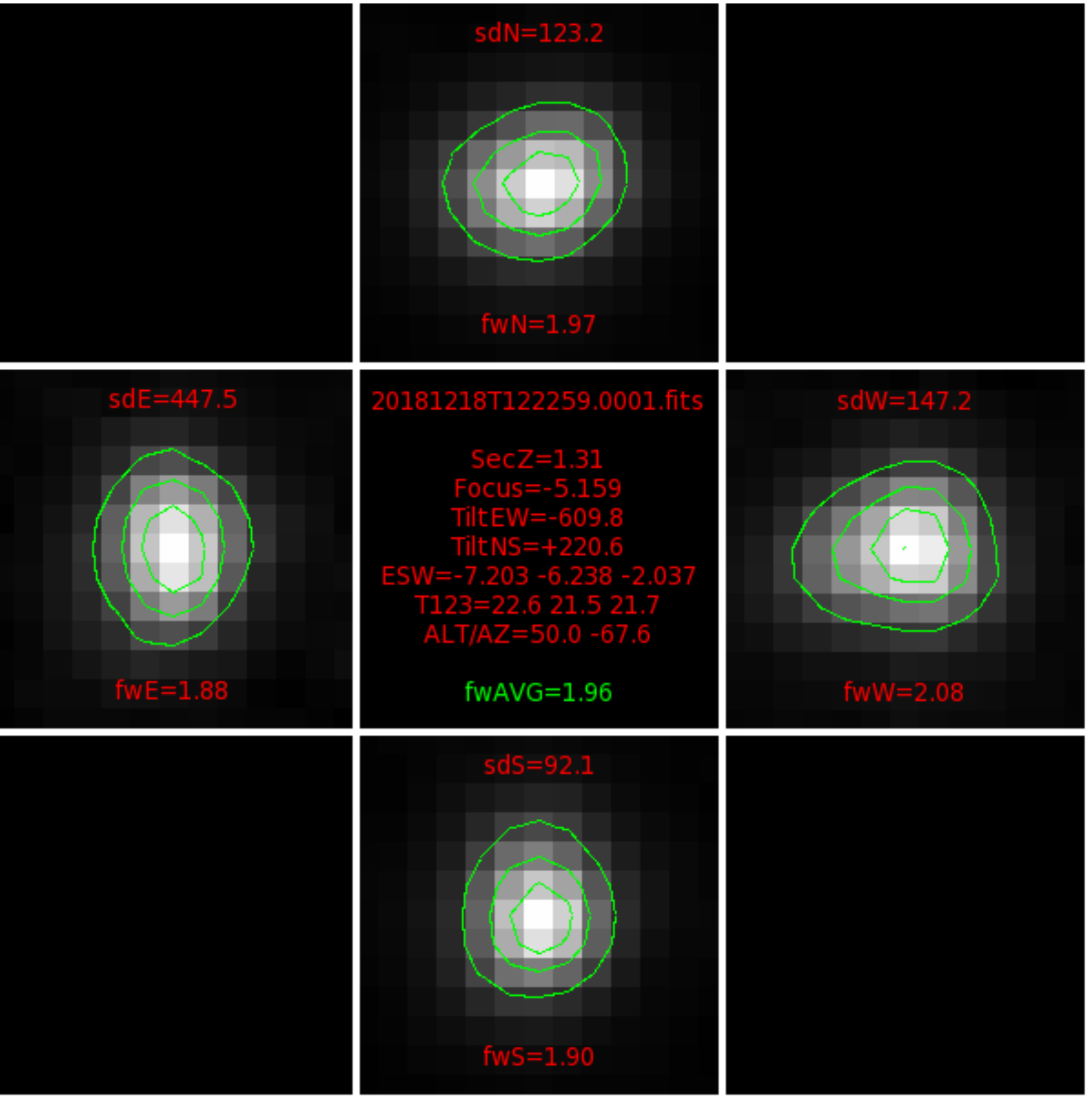
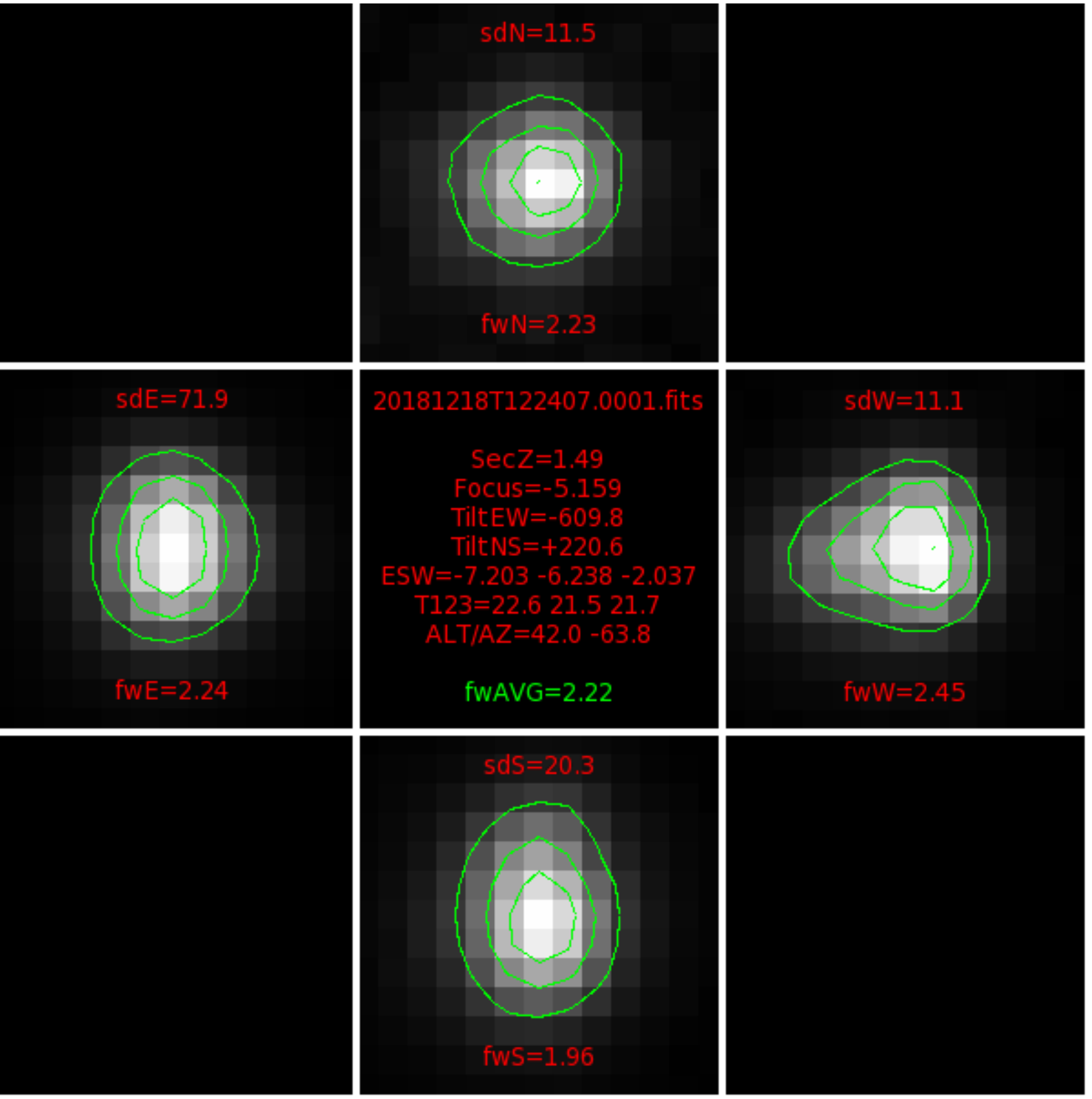

sdN=123.2
fwN=1.97
sdE=447.5
fwE=1.88
20181218T122259.0001.fits
SecZ=1.31
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.6 21.5 21.7
ALT/AZ=50.0 -67.6
fwAVG=1.96
sdW=147.2
fwW=2.08
sdS=92.1
fwS=1.90
0 0 0 0 0 0 0 0 0


sdN=11.5
fwN=2.23
sdE=71.9
fwE=2.24
20181218T122407.0001.fits
SecZ=1.49
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.6 21.5 21.7
ALT/AZ=42.0 -63.8
fwAVG=2.22
sdW=11.1
fwW=2.45
sdS=20.3
fwS=1.96
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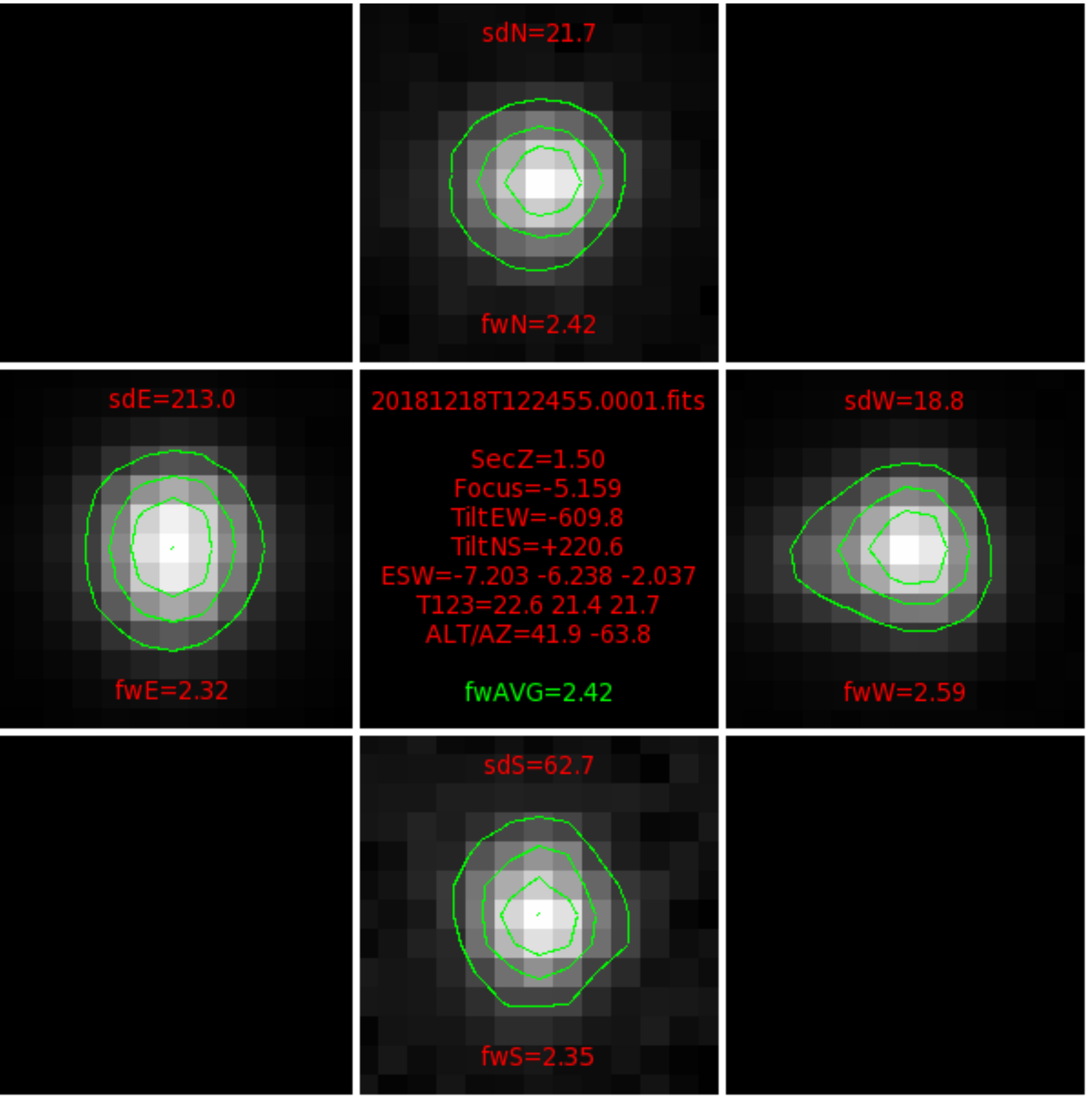
sdN=21.7
fwN=2.42
sdE=213.0
fwE=2.32
20181218T122455.0001.fits
SecZ=1.50
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.6 21.4 21.7
ALT/AZ=41.9 -63.8
fwAVG=2.42
sdW=18.8
fwW=2.59
sdS=62.7
fwS=2.35
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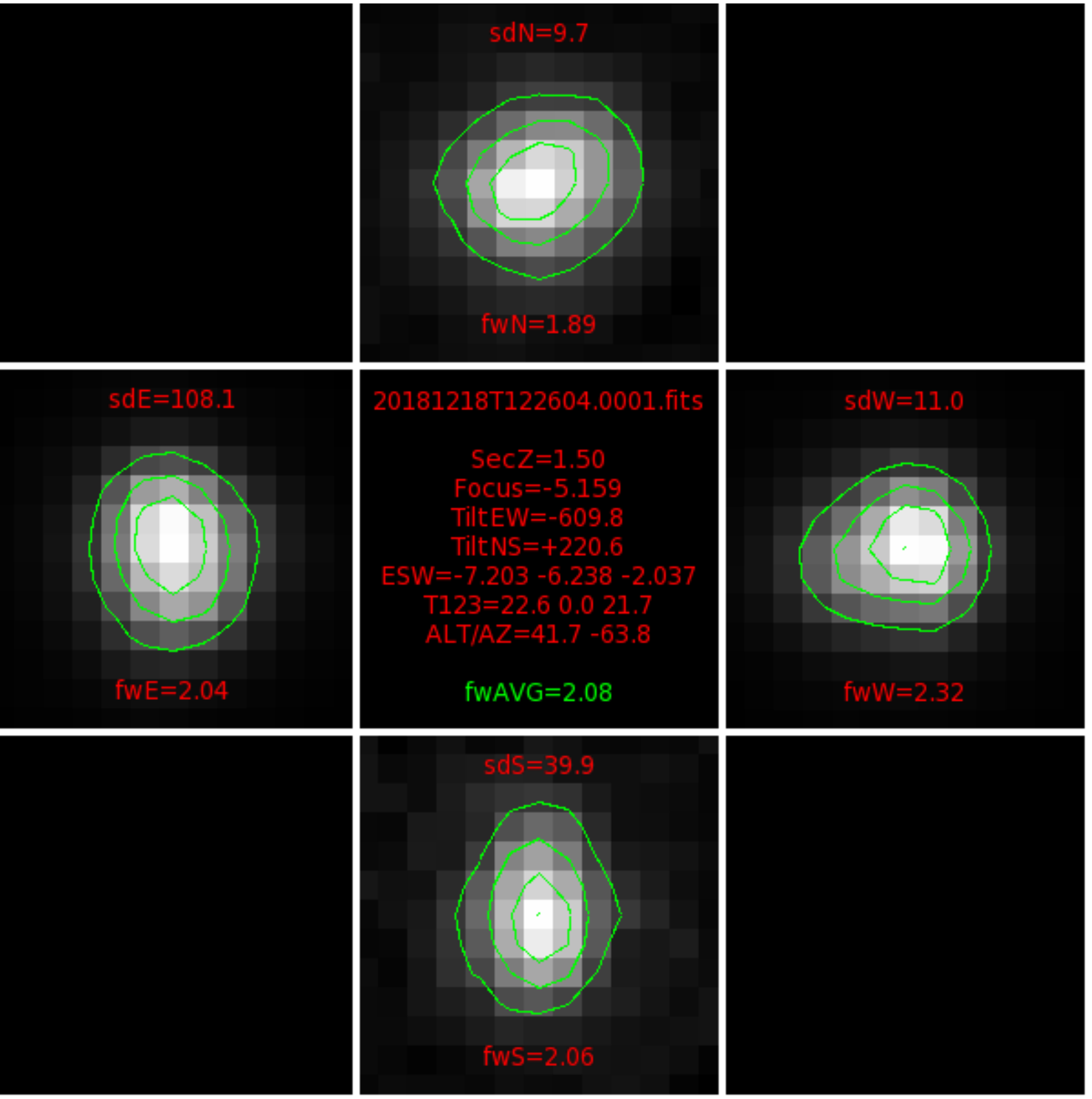
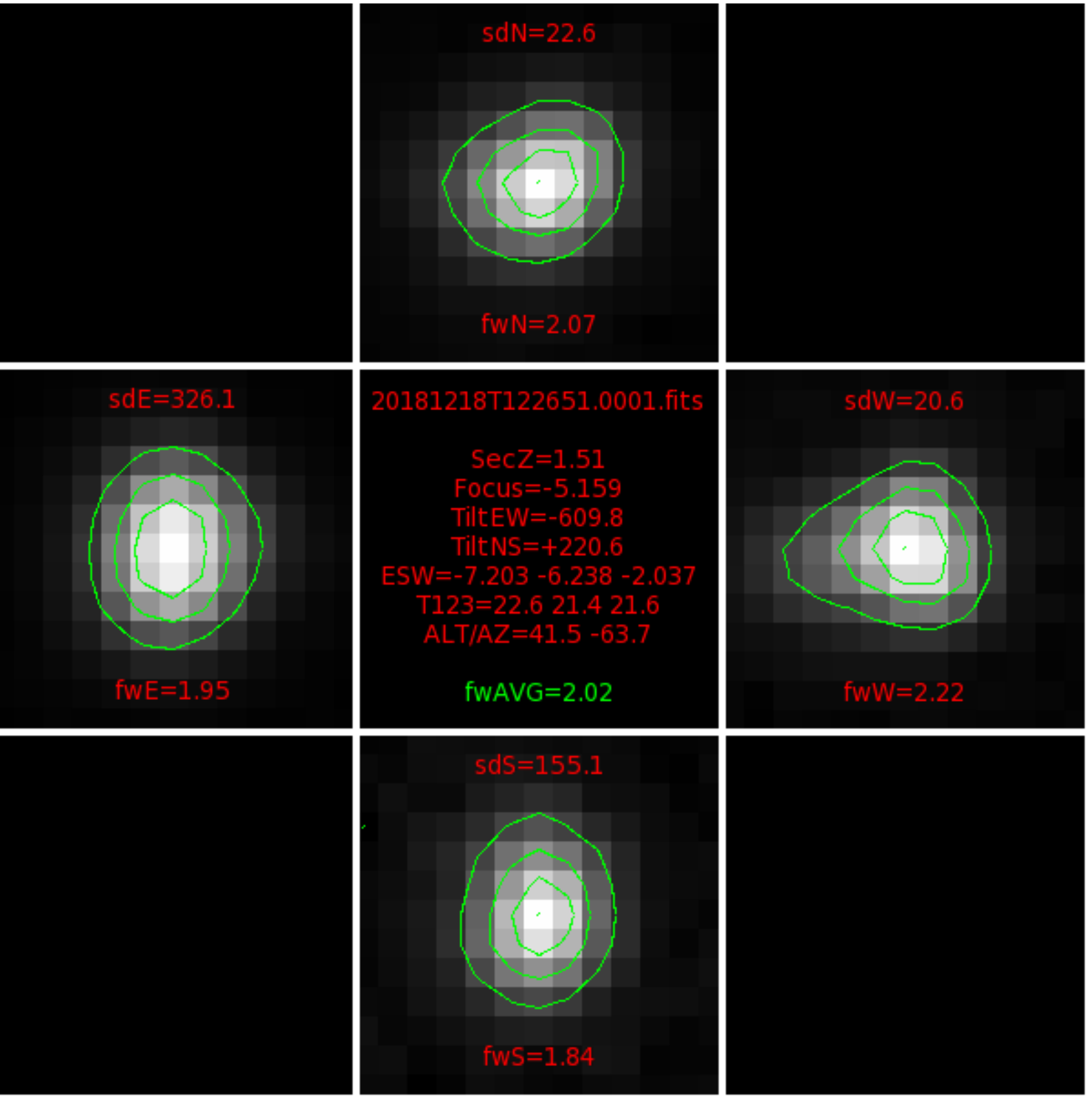
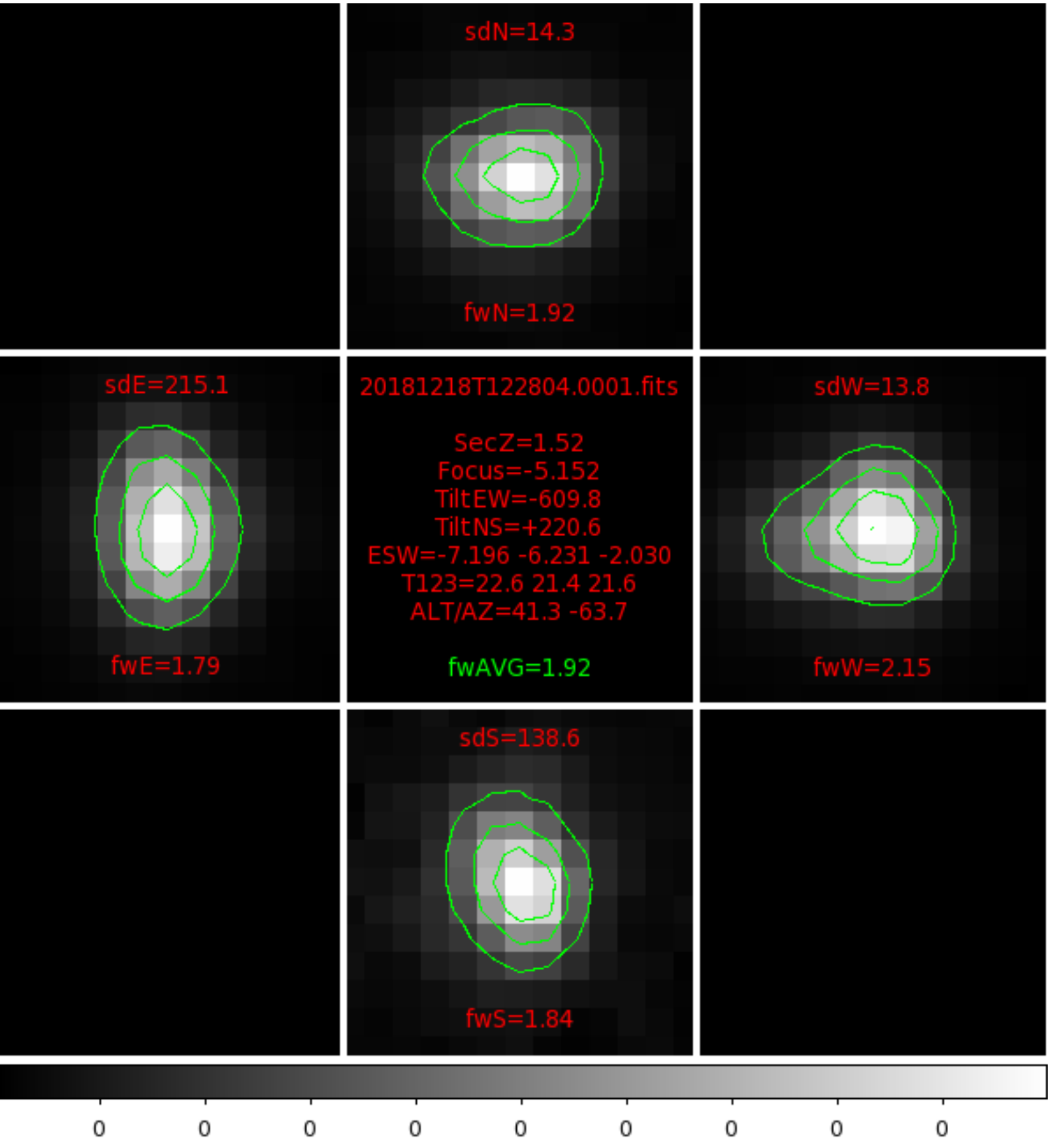

sdN=9.7
fwN=1.89
sdE=108.1
fwE=2.04
20181218T122604.0001.fits
SecZ=1.50
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.6 0.0 21.7
ALT/AZ=41.7 -63.8
fwAVG=2.08
sdW=11.0
fwW=2.32
sdS=39.9
fwS=2.06
0 0 0 0 0 0 0 0 0


sdN=22.6
fwN=2.07
sdE=326.1
fwE=1.95
20181218T122651.0001.fits
SecZ=1.51
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.6 21.4 21.6
ALT/AZ=41.5 -63.7
fwAVG=2.02
sdW=20.6
fwW=2.22
sdS=155.1
fwS=1.84
0 0 0 0 0 0 0 0 0


sdN=14.3
fwN=1.92
sdE=215.1
fwE=1.79
20181218T122804.0001.fits
SecZ=1.52
Focus=-5.152
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.196 -6.231 -2.030
T123=22.6 21.4 21.6
ALT/AZ=41.3 -63.7
fwAVG=1.92
sdW=13.8
fwW=2.15
sdS=138.6
fwS=1.84
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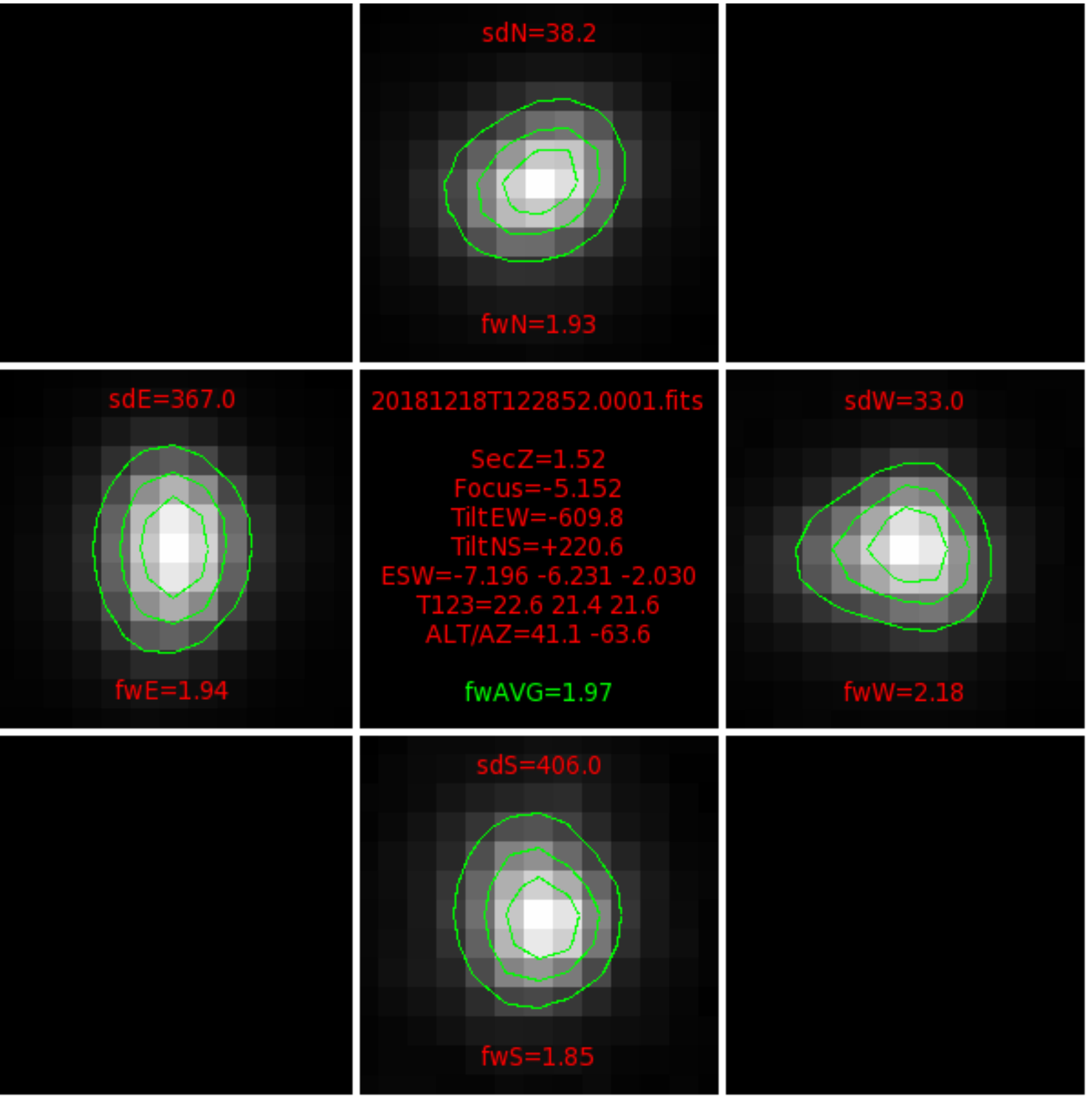
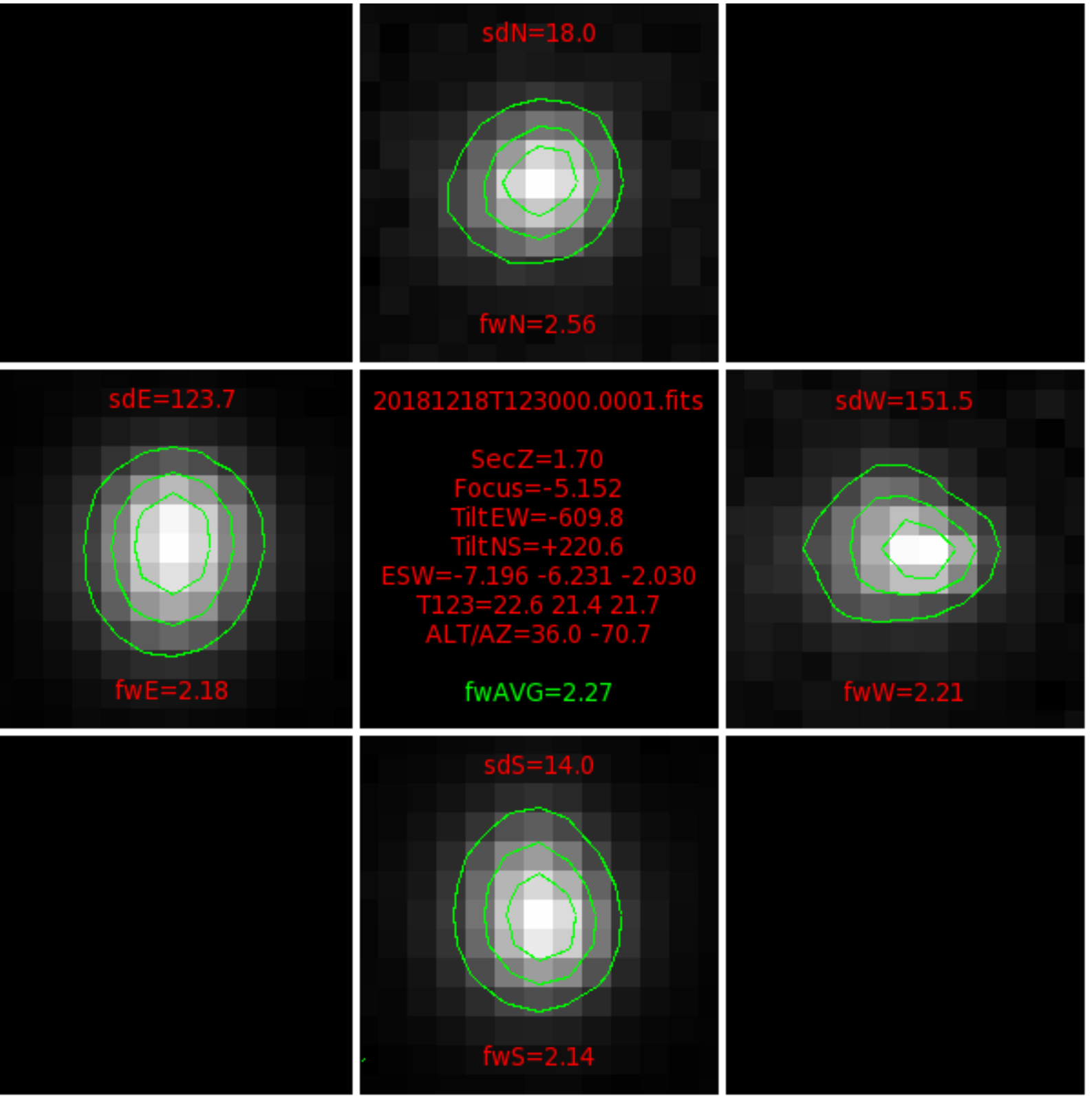

sdN=38.2
fwN=1.93
sdE=367.0
fwE=1.94
20181218T122852.0001.fits
SecZ=1.52
Focus=-5.152
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.196 -6.231 -2.030
T123=22.6 21.4 21.6
ALT/AZ=41.1 -63.6
fwAVG=1.97
sdW=33.0
fwW=2.18
sdS=406.0
fwS=1.85
0 0 0 0 0 0 0 0 0


sdN=18.0
fwN=2.56
sdE=123.7
fwE=2.18
20181218T123000.0001.fits
SecZ=1.70
Focus=-5.152
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.196 -6.231 -2.030
T123=22.6 21.4 21.7
ALT/AZ=36.0 -70.7
fwAVG=2.27
sdW=151.5
fwW=2.21
sdS=14.0
fwS=2.14
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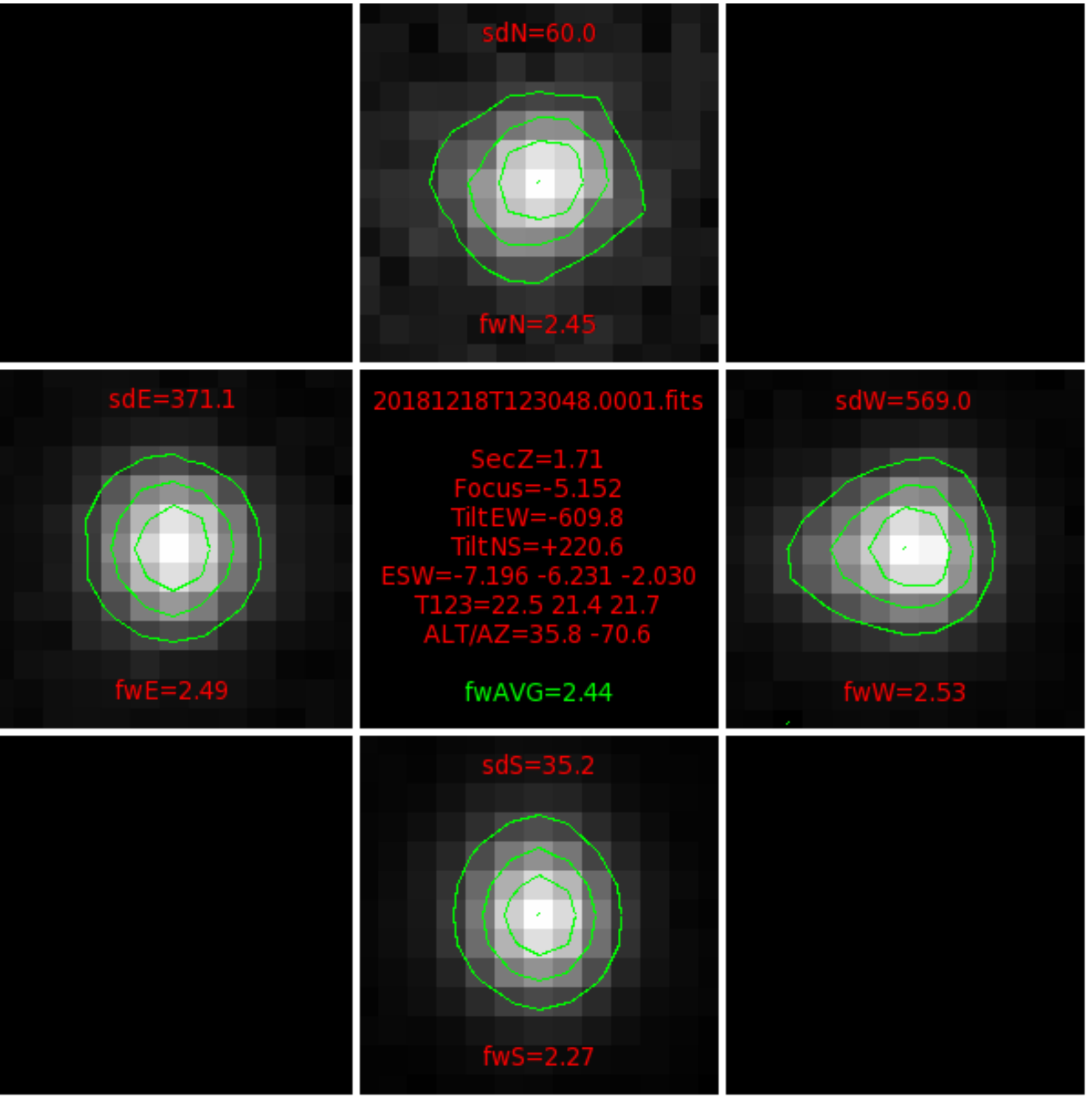
sdN=60.0
fwN=2.45
sdE=371.1
fwE=2.49
20181218T123048.0001.fits
SecZ=1.71
Focus=-5.152
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.196 -6.231 -2.030
T123=22.5 21.4 21.7
ALT/AZ=35.8 -70.6
fwAVG=2.44
sdW=569.0
fwW=2.53
sdS=35.2
fwS=2.27
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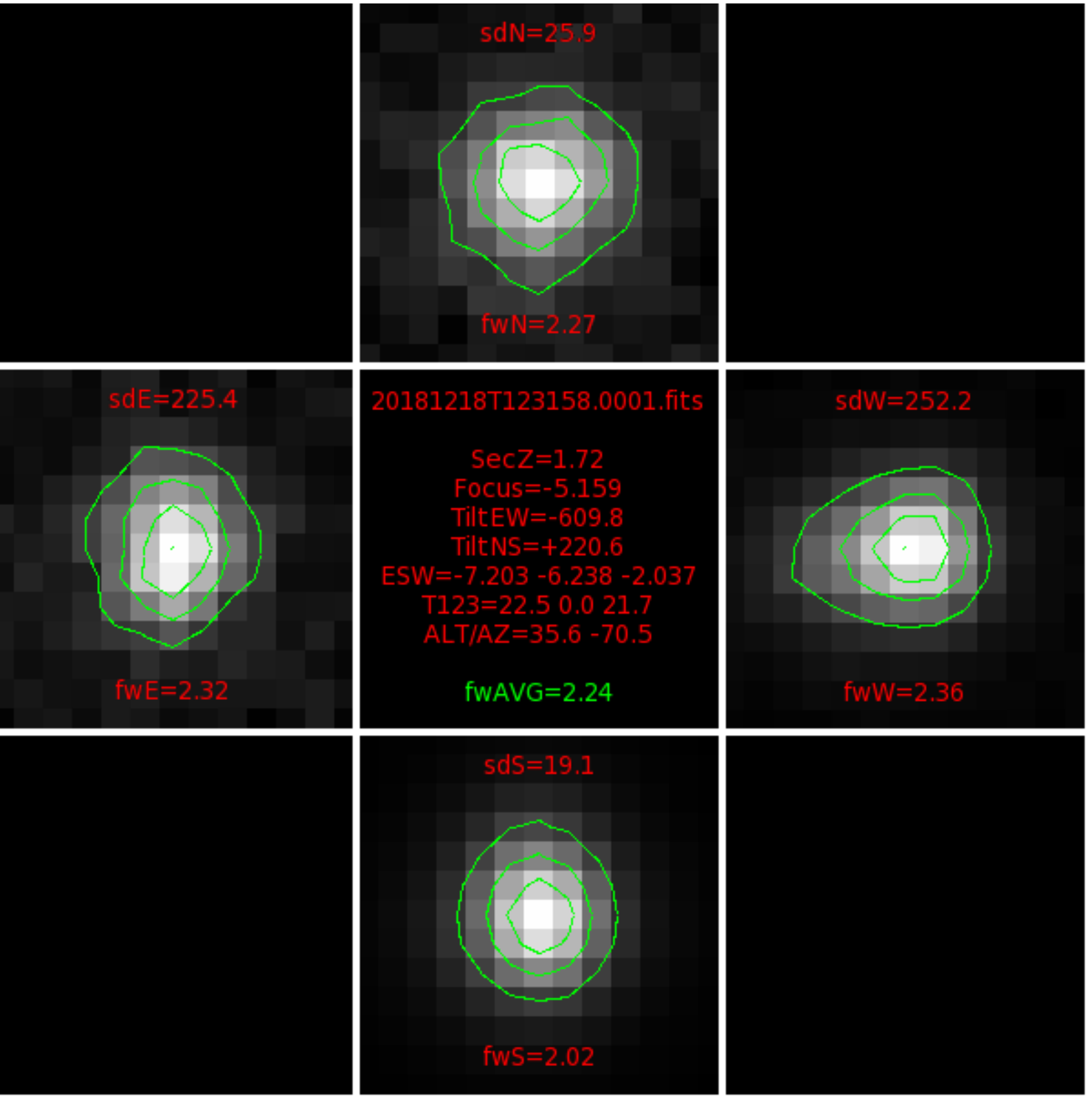
sdN=25.9
fwN=2.27
sdE=225.4
fwE=2.32
20181218T123158.0001.fits
SecZ=1.72
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.5 0.0 21.7
ALT/AZ=35.6 -70.5
fwAVG=2.24
sdW=252.2
fwW=2.36
sdS=19.1
fwS=2.02
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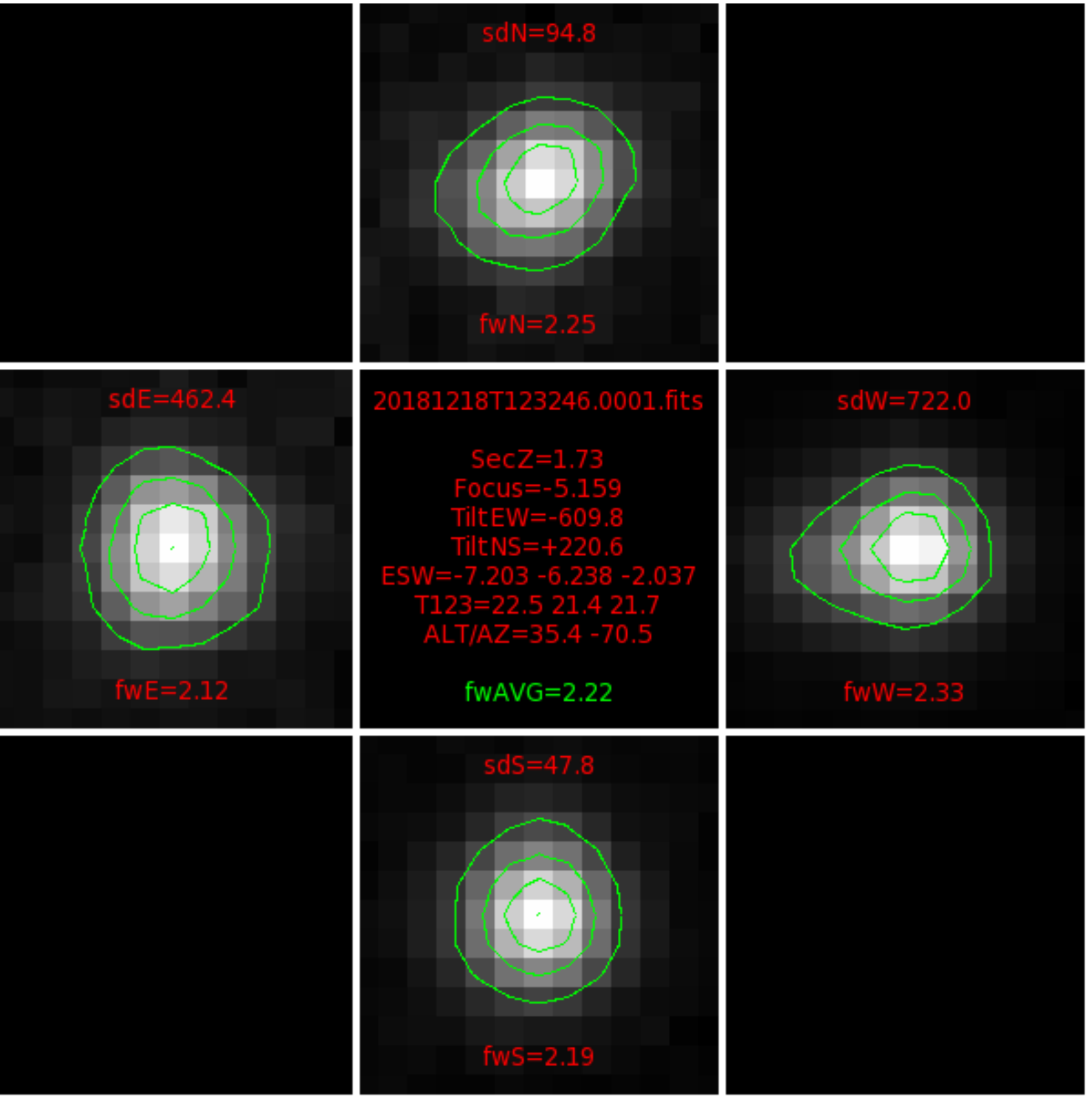
sdN=94.8
fwN=2.25
sdE=462.4
fwE=2.12
20181218T123246.0001.fits
SecZ=1.73
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.5 21.4 21.7
ALT/AZ=35.4 -70.5
fwAVG=2.22
sdW=722.0
fwW=2.33
sdS=47.8
fwS=2.19
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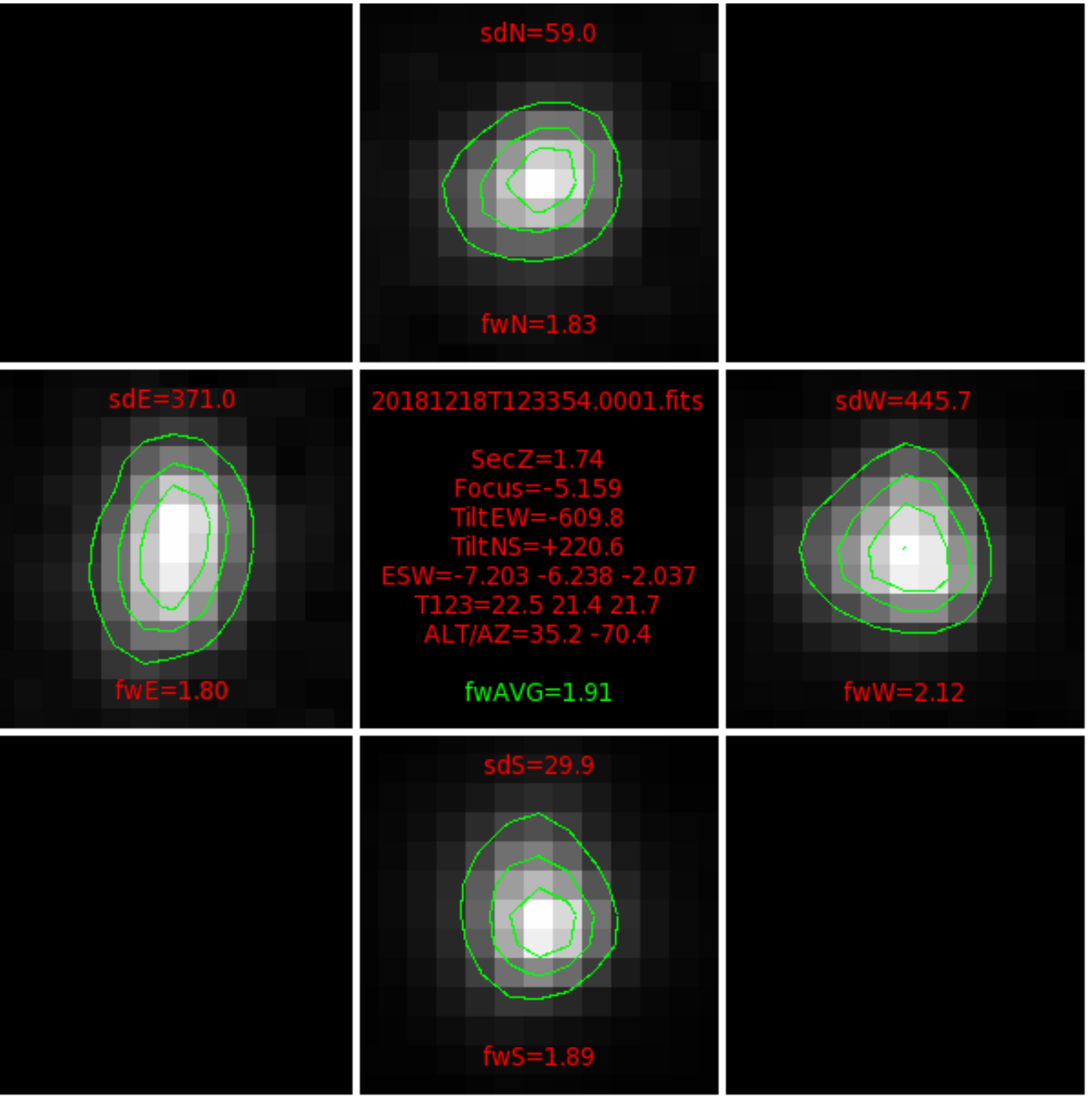
sdN=59.0
fwN=1.83
sdE=371.0
fwE=1.80
20181218T123354.0001.fits
SecZ=1.74
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.5 21.4 21.7
ALT/AZ=35.2 -70.4
fwAVG=1.91
sdW=445.7
fwW=2.12
sdS=29.9
fwS=1.89
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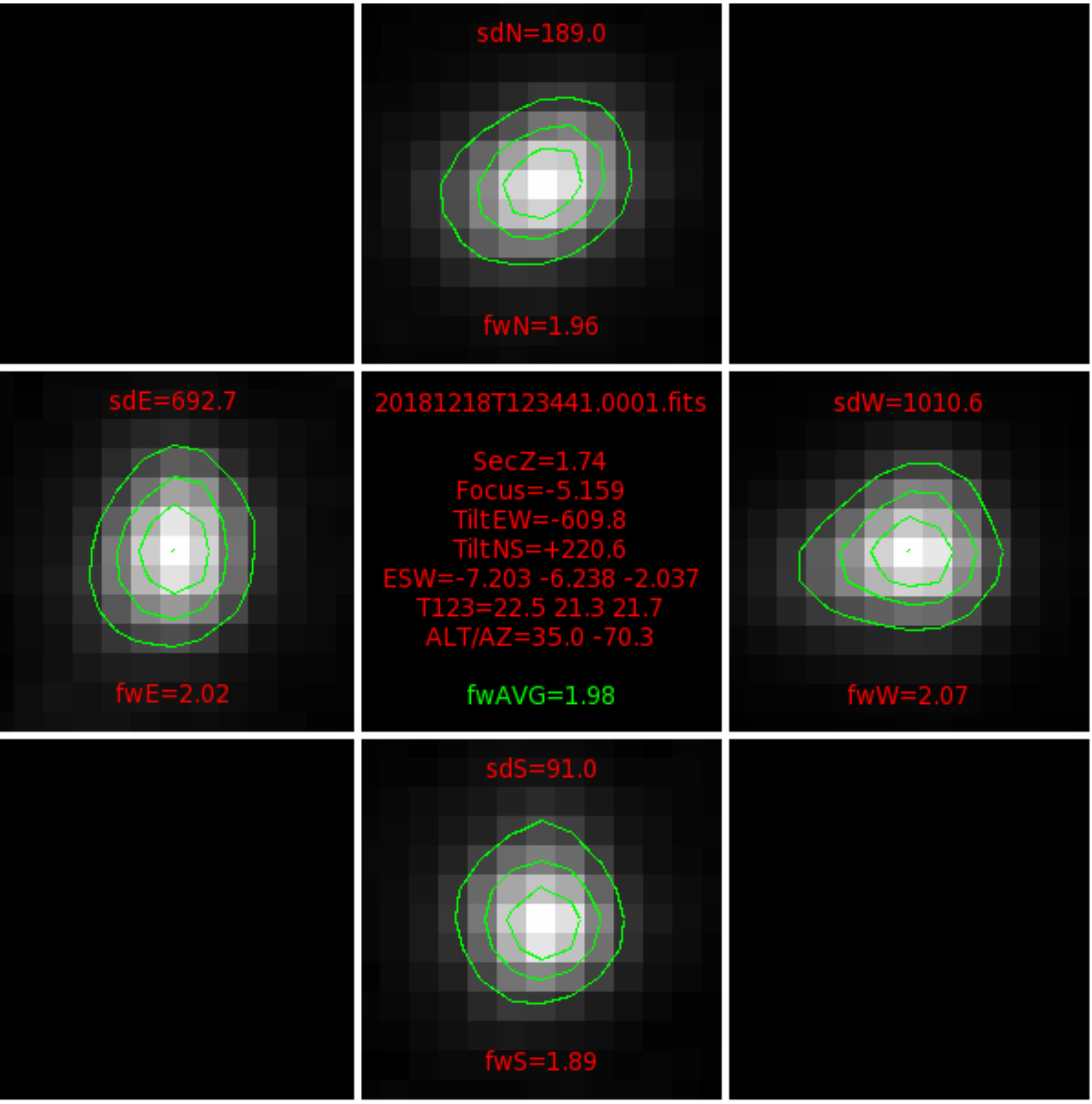
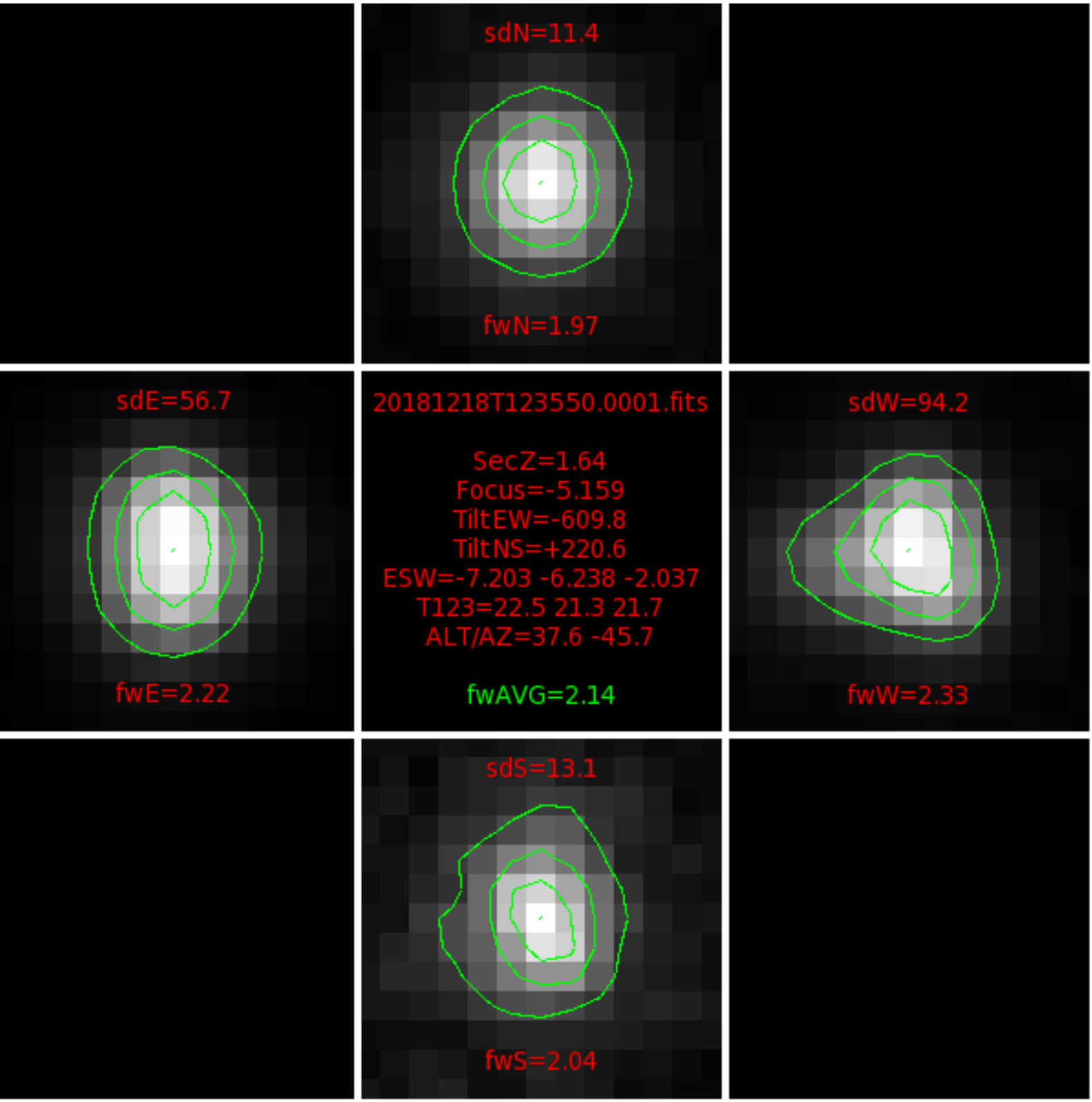

sdN=189.0
fwN=1.96
sdE=692.7
fwE=2.02
20181218T123441.0001.fits
SecZ=1.74
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.5 21.3 21.7
ALT/AZ=35.0 -70.3
fwAVG=1.98
sdW=1010.6
fwW=2.07
sdS=91.0
fwS=1.89
0 0 0 0 0 0 0 0 0


sdN=11.4
fwN=1.97
sdE=56.7
fwE=2.22
20181218T123550.0001.fits
SecZ=1.64
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.5 21.3 21.7
ALT/AZ=37.6 -45.7
fwAVG=2.14
sdW=94.2
fwW=2.33
sdS=13.1
fwS=2.04
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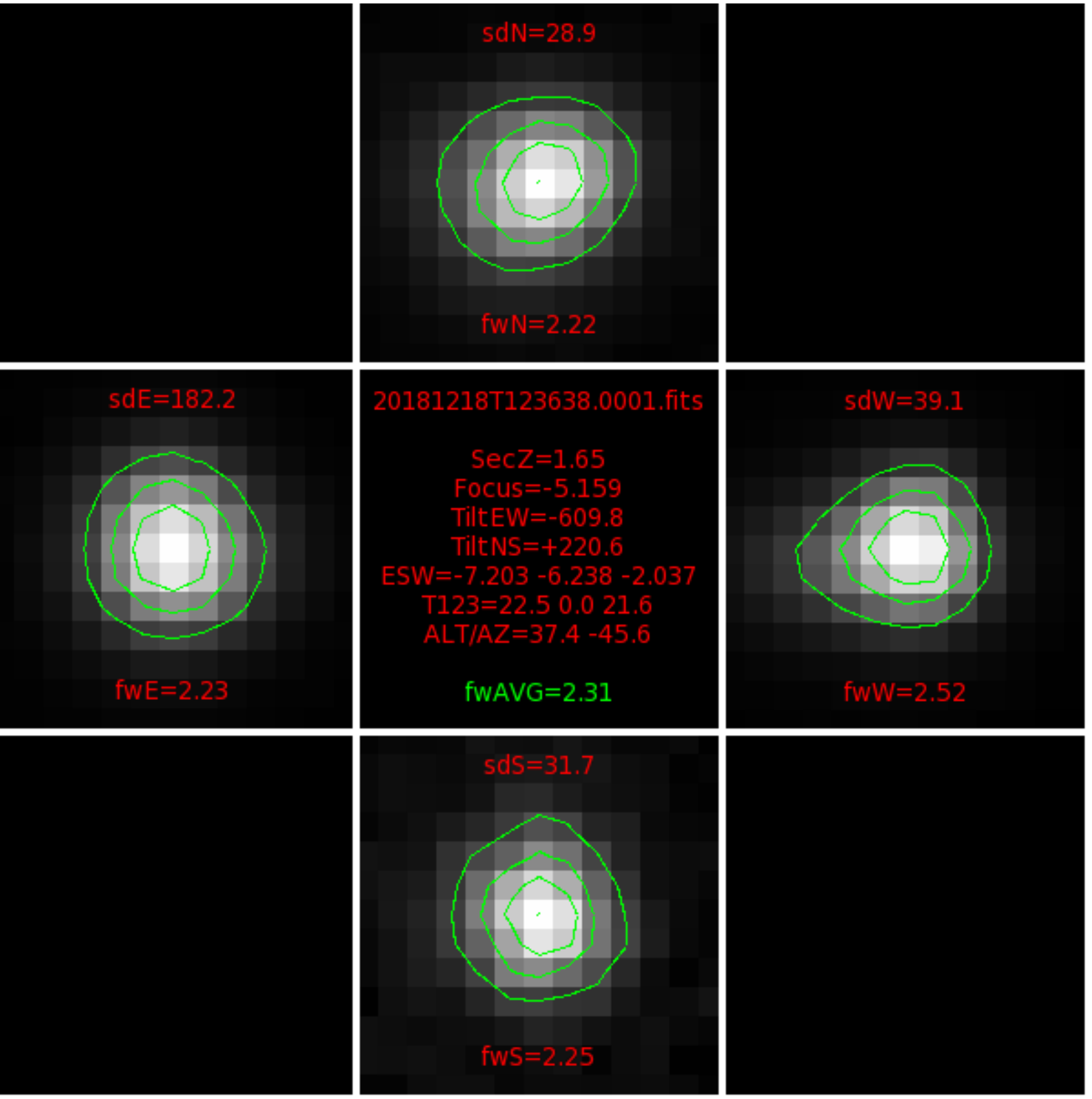
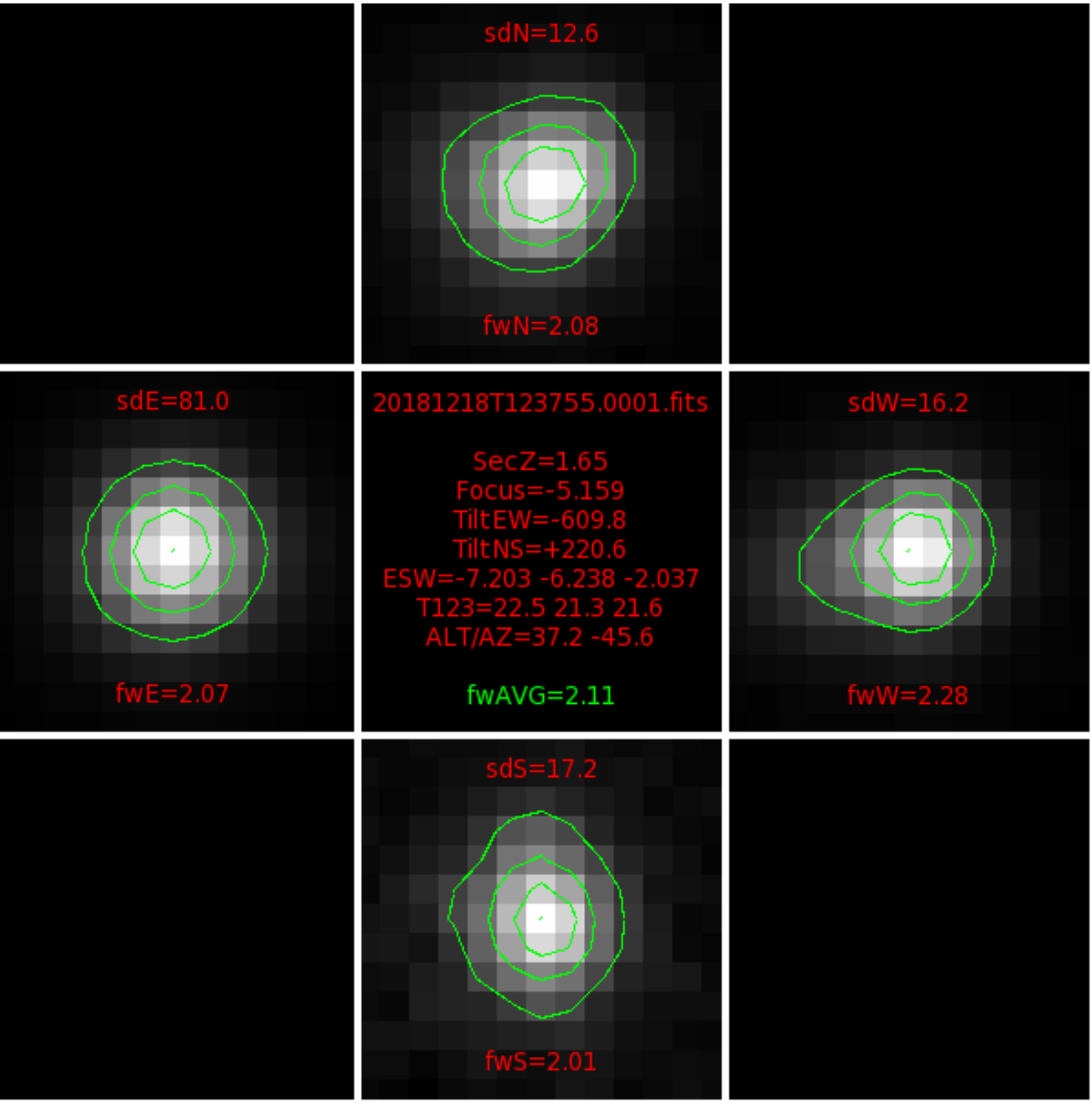

sdN=28.9
fwN=2.22
sdE=182.2
fwE=2.23
20181218T123638.0001.fits
SecZ=1.65
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.5 0.0 21.6
ALT/AZ=37.4 -45.6
fwAVG=2.31
sdW=39.1
fwW=2.52
sdS=31.7
fwS=2.25
0 0 0 0 0 0 0 0 0


sdN=12.6
fwN=2.08
sdE=81.0
fwE=2.07
20181218T123755.0001.fits
SecZ=1.65
Focus=-5.159
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.203 -6.238 -2.037
T123=22.5 21.3 21.6
ALT/AZ=37.2 -45.6
fwAVG=2.11
sdW=16.2
fwW=2.28
sdS=17.2
fwS=2.01
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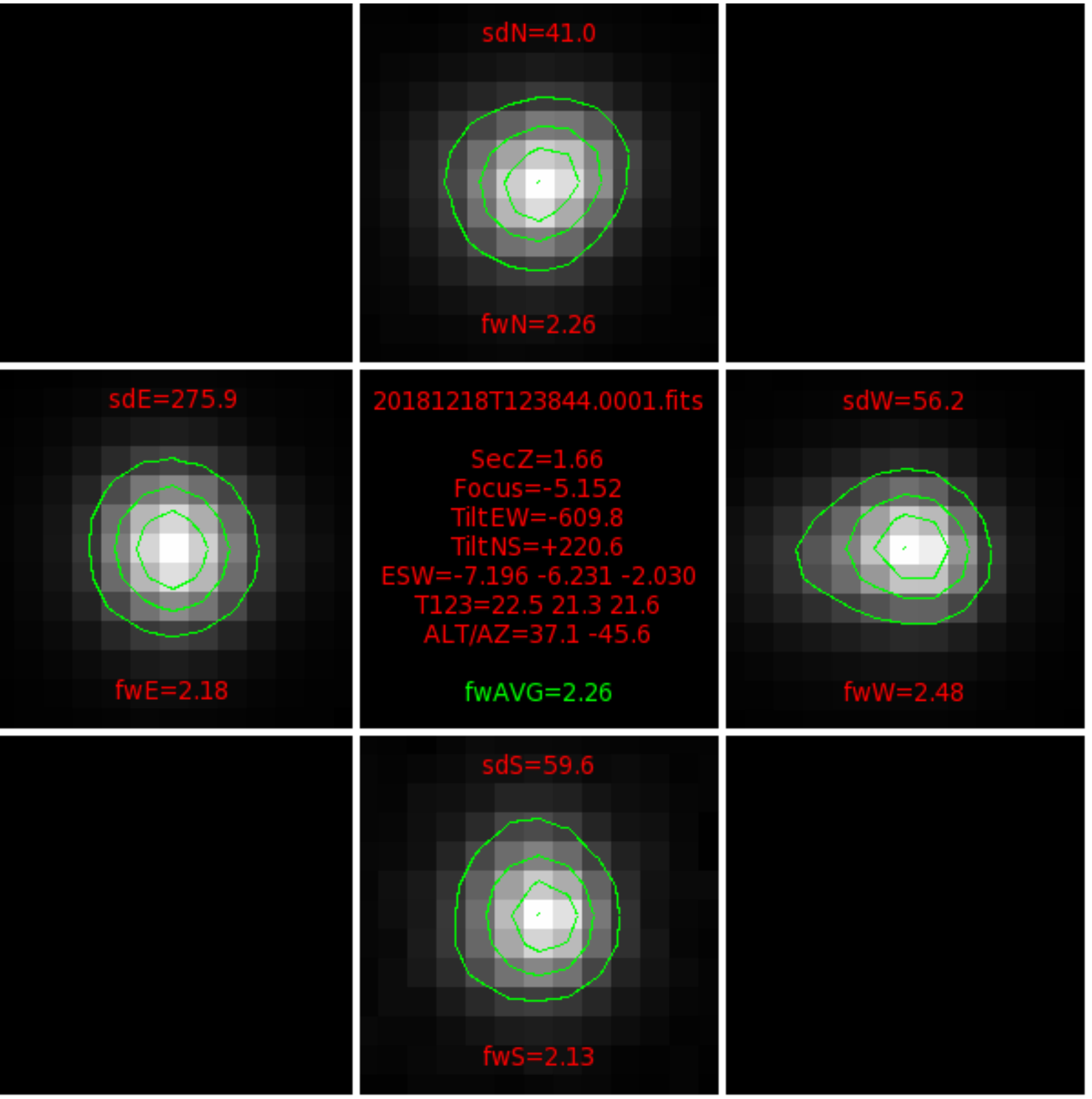
sdN=41.0
fwN=2.26
sdE=275.9
fwE=2.18
20181218T123844.0001.fits
SecZ=1.66
Focus=-5.152
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.196 -6.231 -2.030
T123=22.5 21.3 21.6
ALT/AZ=37.1 -45.6
fwAVG=2.26
sdW=56.2
fwW=2.48
sdS=59.6
fwS=2.13
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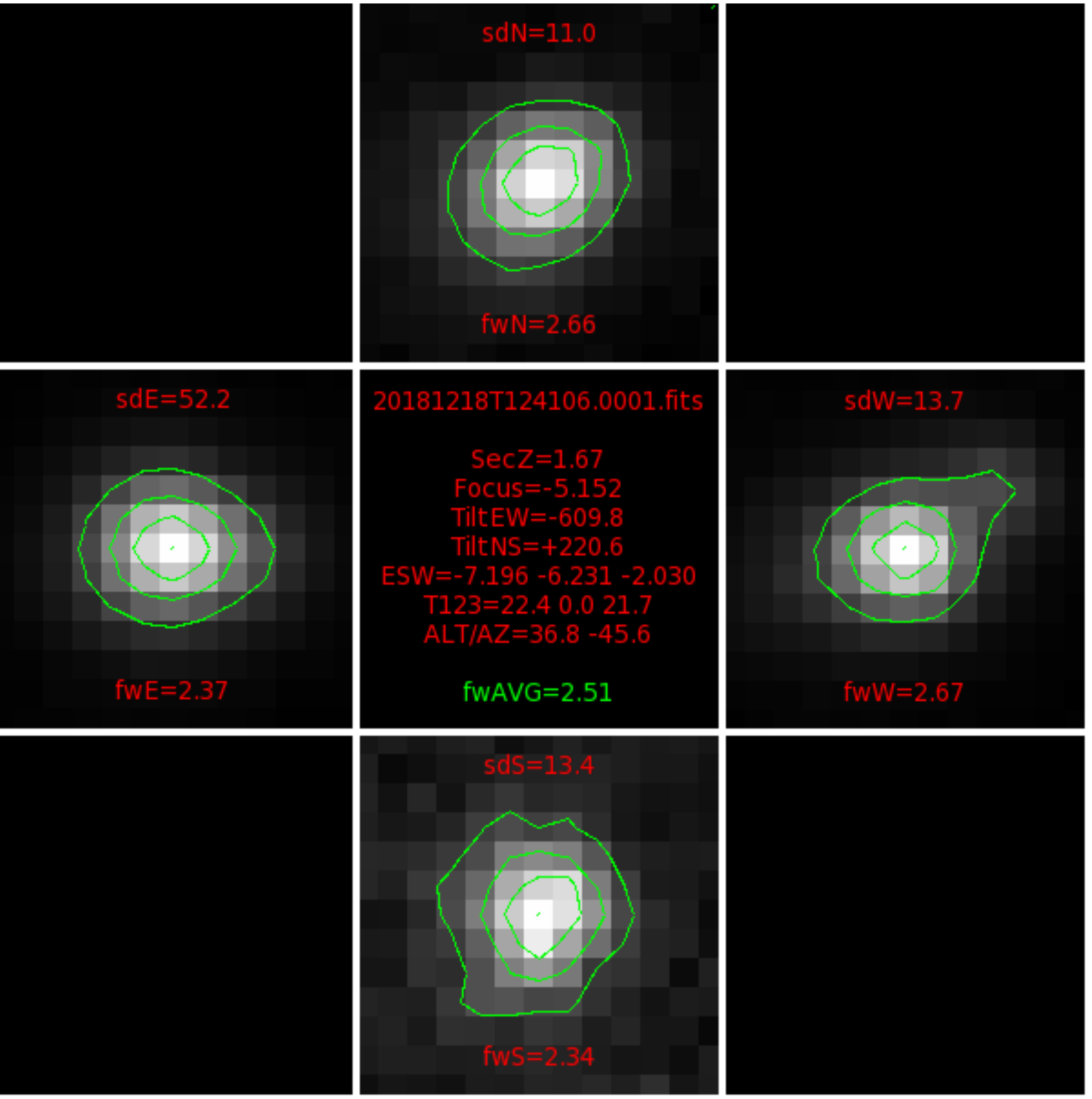
sdN=11.0
fwN=2.66
sdE=52.2
fwE=2.37
20181218T124106.0001.fits
SecZ=1.67
Focus=-5.152
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.196 -6.231 -2.030
T123=22.4 0.0 21.7
ALT/AZ=36.8 -45.6
fwAVG=2.51
sdW=13.7
fwW=2.67
sdS=13.4
fwS=2.34
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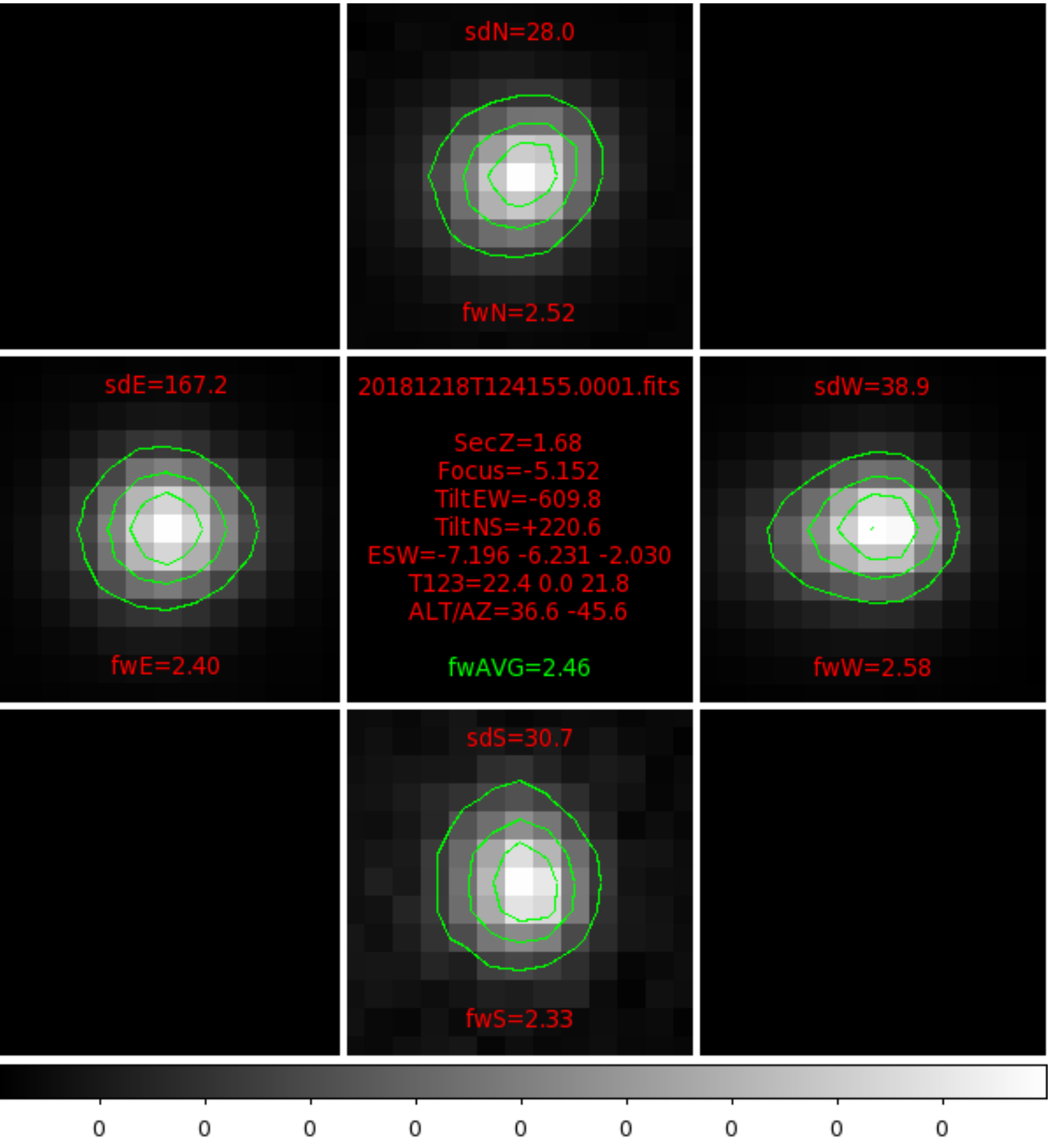
sdN=28.0
fwN=2.52
sdE=167.2
fwE=2.40
20181218T124155.0001.fits
SecZ=1.68
Focus=-5.152
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.196 -6.231 -2.030
T123=22.4 0.0 21.8
ALT/AZ=36.6 -45.6
fwAVG=2.46
sdW=38.9
fwW=2.58
sdS=30.7
fwS=2.33
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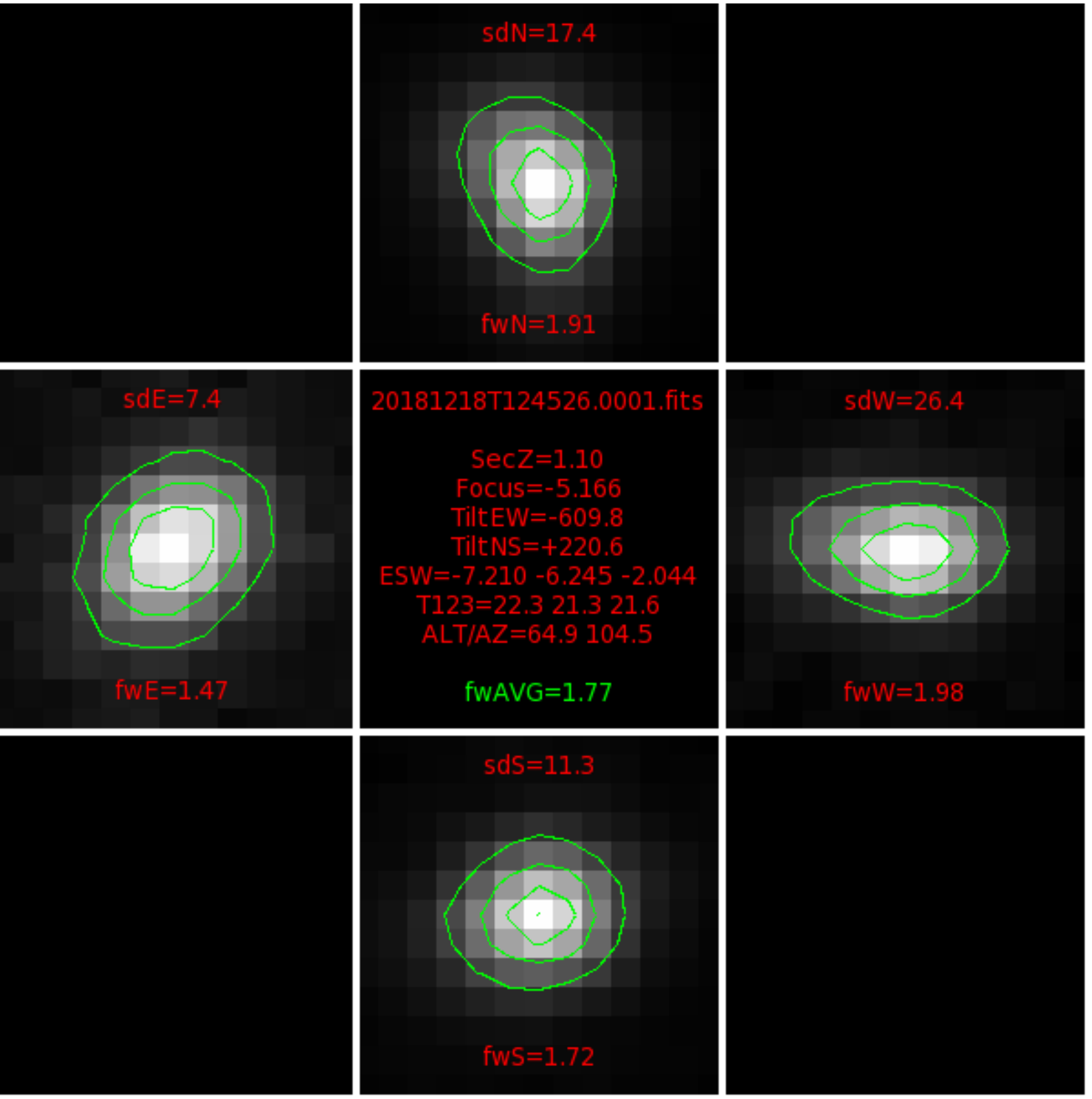
sdN=17.4
fwN=1.91
sdE=7.4
fwE=1.47
20181218T124526.0001.fits
SecZ=1.10
Focus=-5.166
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.210 -6.245 -2.044
T123=22.3 21.3 21.6
ALT/AZ=64.9 104.5
fwAVG=1.77
sdW=26.4
fwW=1.98
sdS=11.3
fwS=1.72
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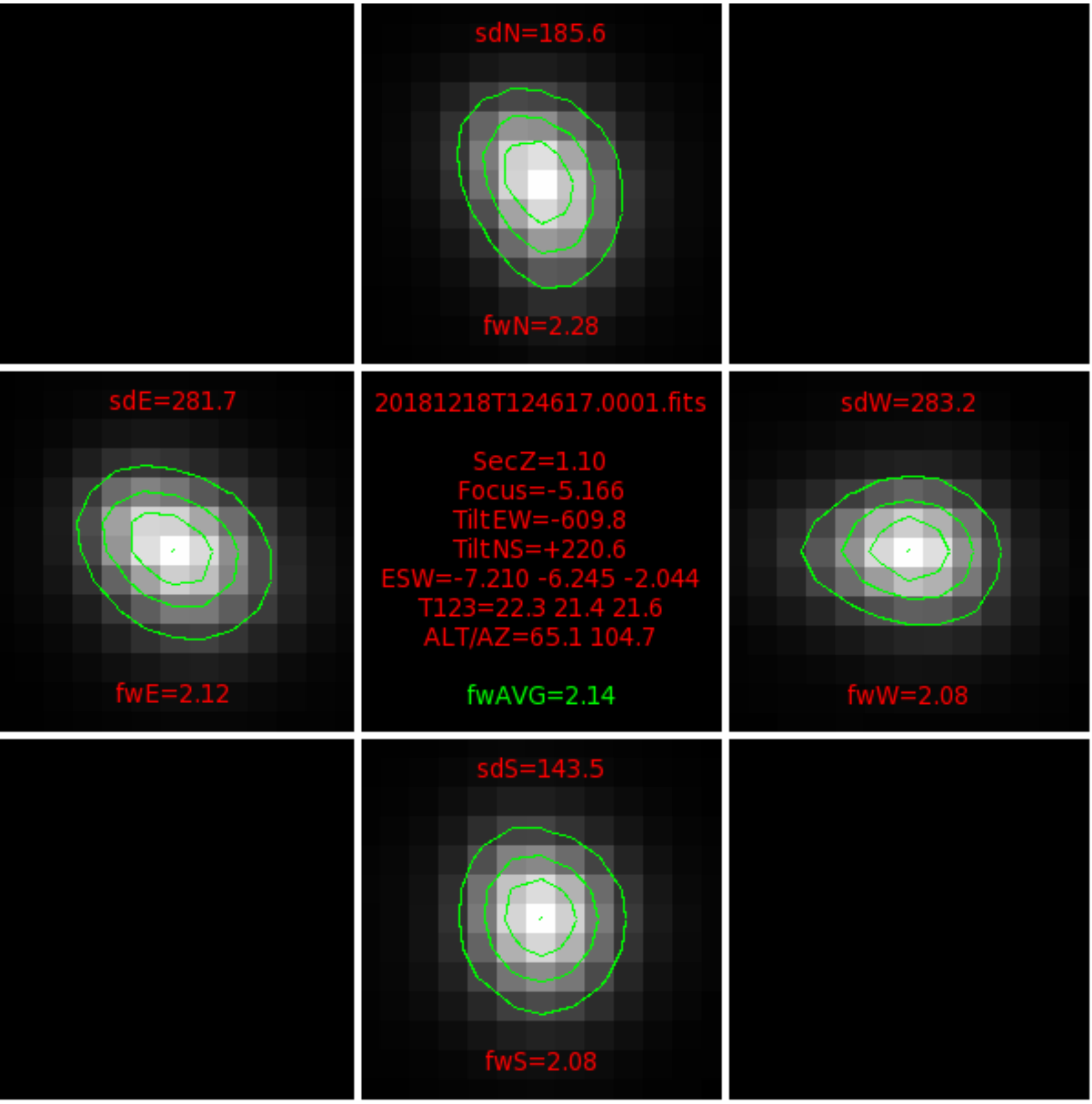
sdN=185.6
fwN=2.28
sdE=281.7
fwE=2.12
20181218T124617.0001.fits
SecZ=1.10
Focus=-5.166
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.210 -6.245 -2.044
T123=22.3 21.4 21.6
ALT/AZ=65.1 104.7
fwAVG=2.14
sdW=283.2
fwW=2.08
sdS=143.5
fwS=2.08
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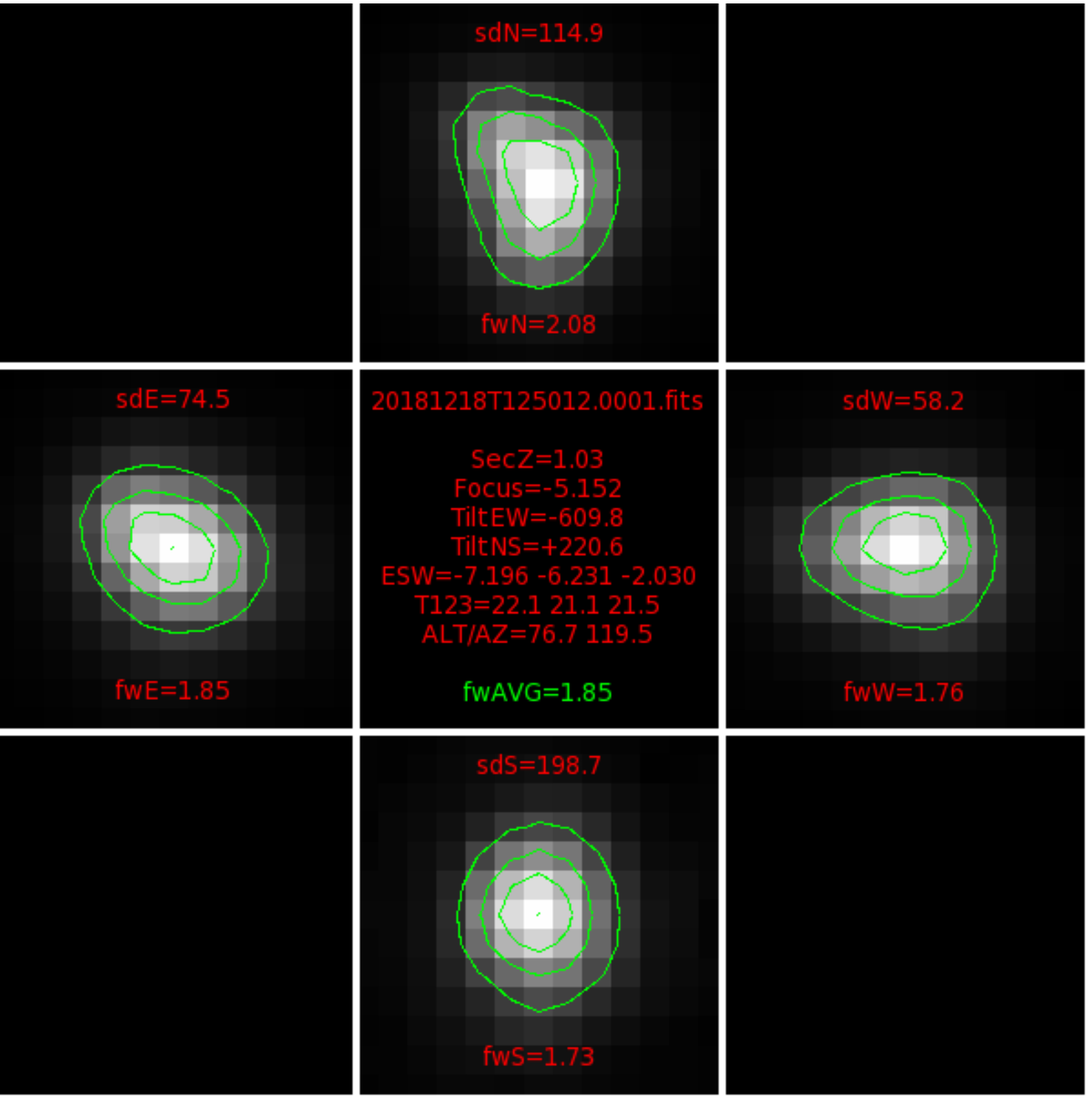
sdN=114.9
fwN=2.08
sdE=74.5
fwE=1.85
20181218T125012.0001.fits
SecZ=1.03
Focus=-5.152
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.196 -6.231 -2.030
T123=22.1 21.1 21.5
ALT/AZ=76.7 119.5
fwAVG=1.85
sdW=58.2
fwW=1.76
sdS=198.7
fwS=1.73
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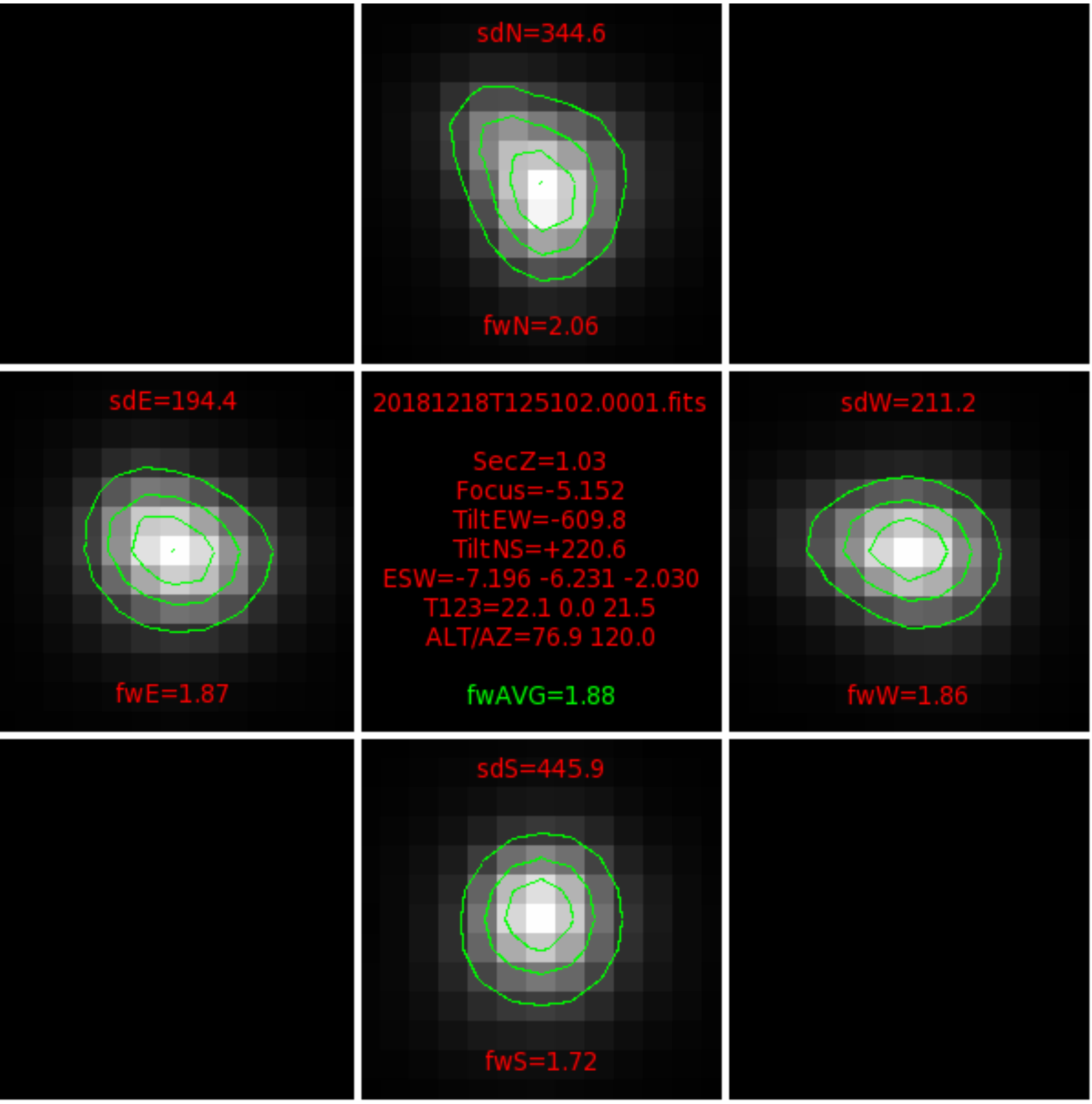
sdN=344.6
fwN=2.06
sdE=194.4
fwE=1.87
20181218T125102.0001.fits
SecZ=1.03
Focus=-5.152
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.196 -6.231 -2.030
T123=22.1 0.0 21.5
ALT/AZ=76.9 120.0
fwAVG=1.88
sdW=211.2
fwW=1.86
sdS=445.9
fwS=1.72
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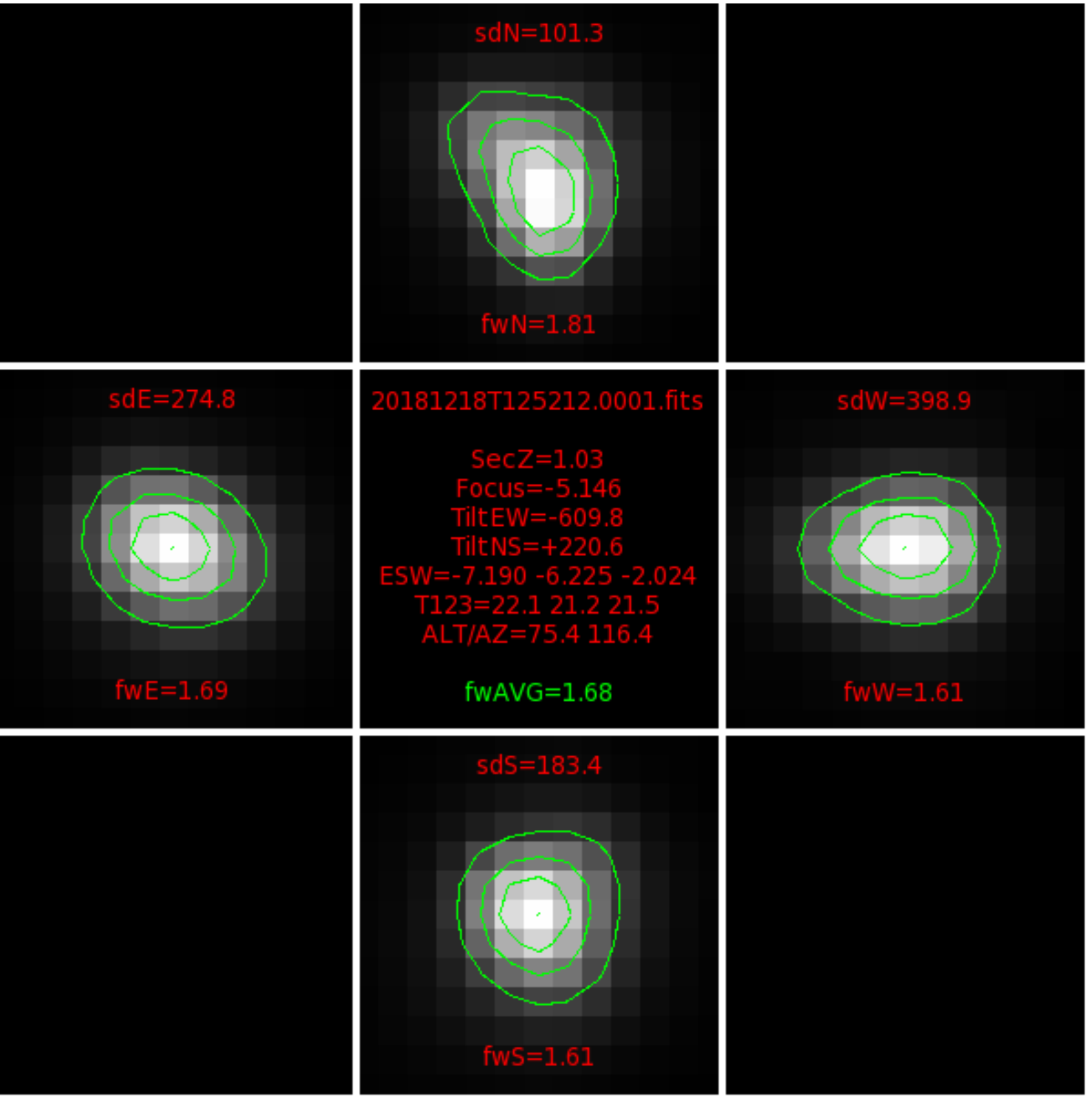
sdN=101.3
fwN=1.81
sdE=274.8
fwE=1.69
20181218T125212.0001.fits
SecZ=1.03
Focus=-5.146
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.190 -6.225 -2.024
T123=22.1 21.2 21.5
ALT/AZ=75.4 116.4
fwAVG=1.68
sdW=398.9
fwW=1.61
sdS=183.4
fwS=1.61
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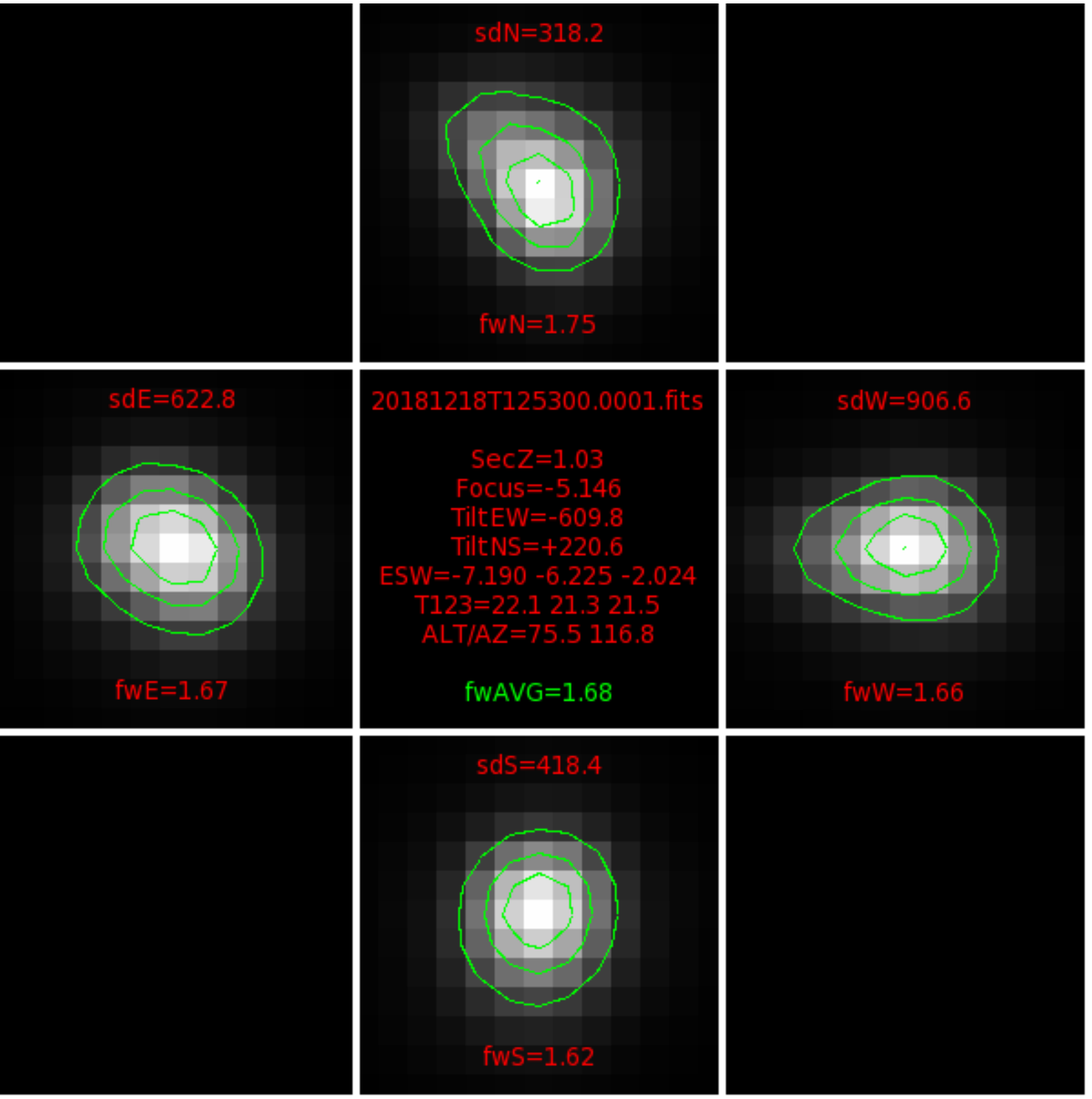
sdN=318.2
fwN=1.75
sdE=622.8
fwE=1.67
20181218T125300.0001.fits
SecZ=1.03
Focus=-5.146
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.190 -6.225 -2.024
T123=22.1 21.3 21.5
ALT/AZ=75.5 116.8
fwAVG=1.68
sdW=906.6
fwW=1.66
sdS=418.4
fwS=1.62
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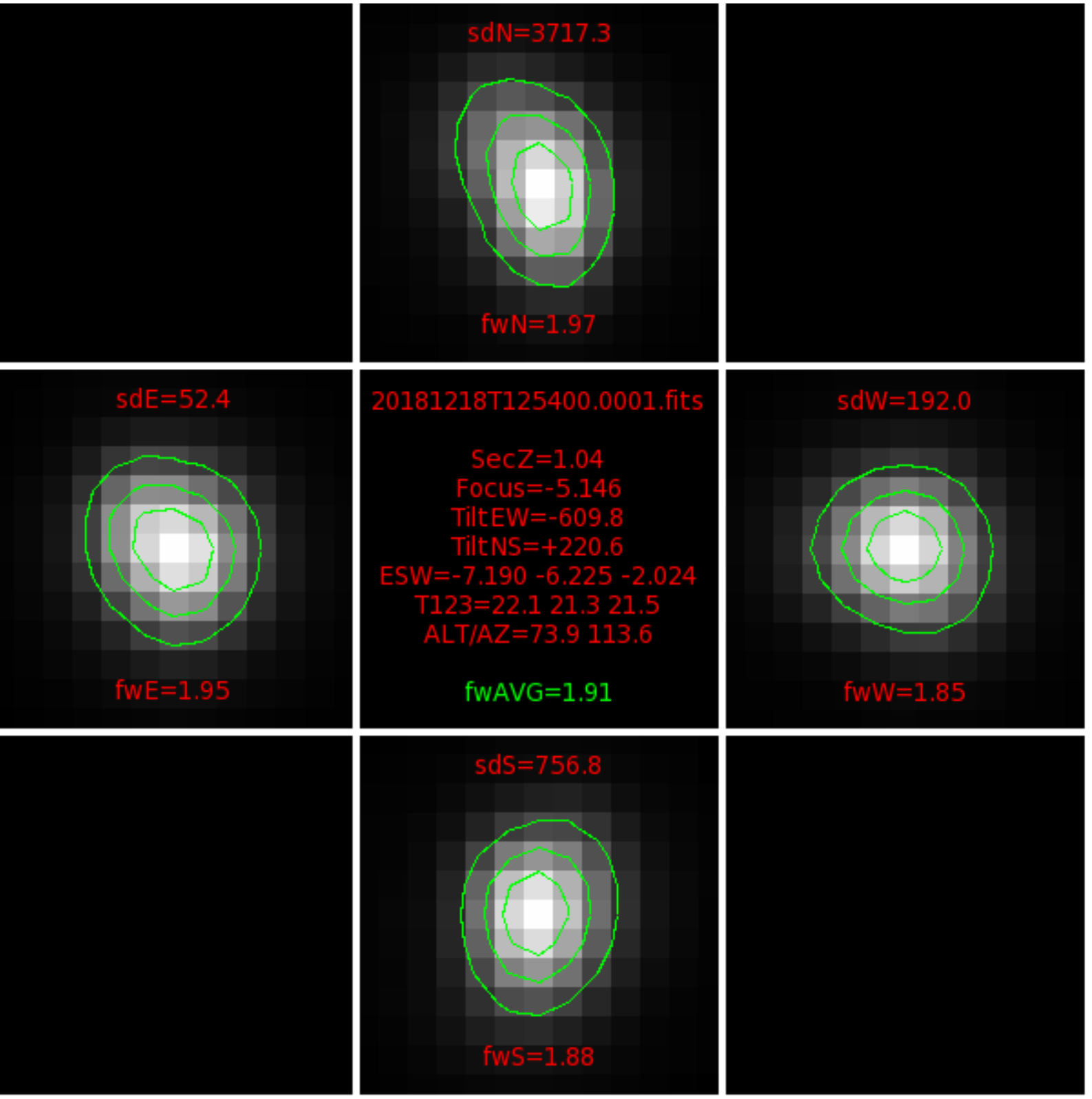
sdN=3717.3
fwN=1.97
sdE=52.4
fwE=1.95
20181218T125400.0001.fits
SecZ=1.04
Focus=-5.146
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.190 -6.225 -2.024
T123=22.1 21.3 21.5
ALT/AZ=73.9 113.6
fwAVG=1.91
sdW=192.0
fwW=1.85
sdS=756.8
fwS=1.88
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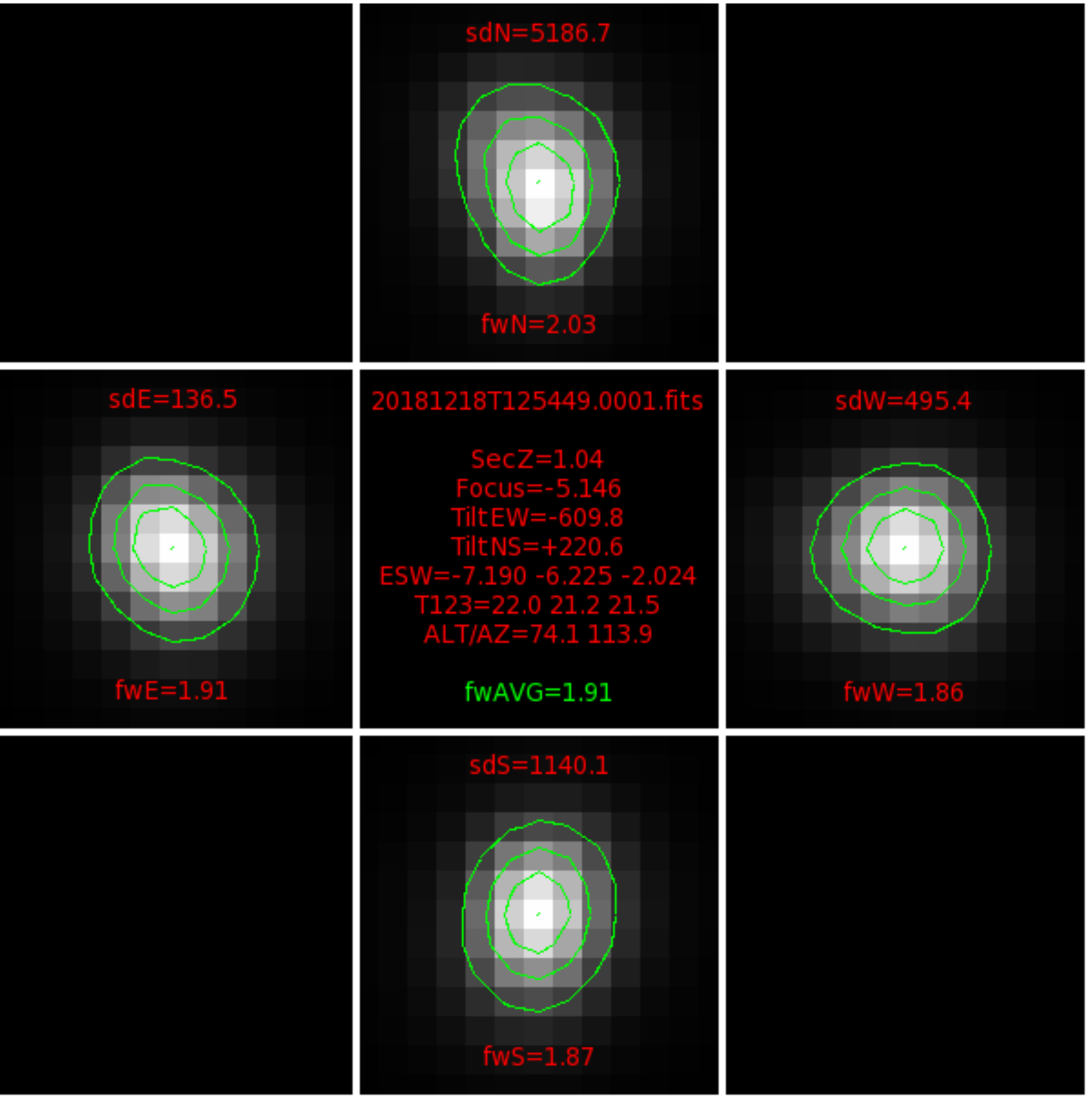
sdN=5186.7
fwN=2.03
sdE=136.5
fwE=1.91
20181218T125449.0001.fits
SecZ=1.04
Focus=-5.146
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.190 -6.225 -2.024
T123=22.0 21.2 21.5
ALT/AZ=74.1 113.9
fwAVG=1.91
sdW=495.4
fwW=1.86
sdS=1140.1
fwS=1.87
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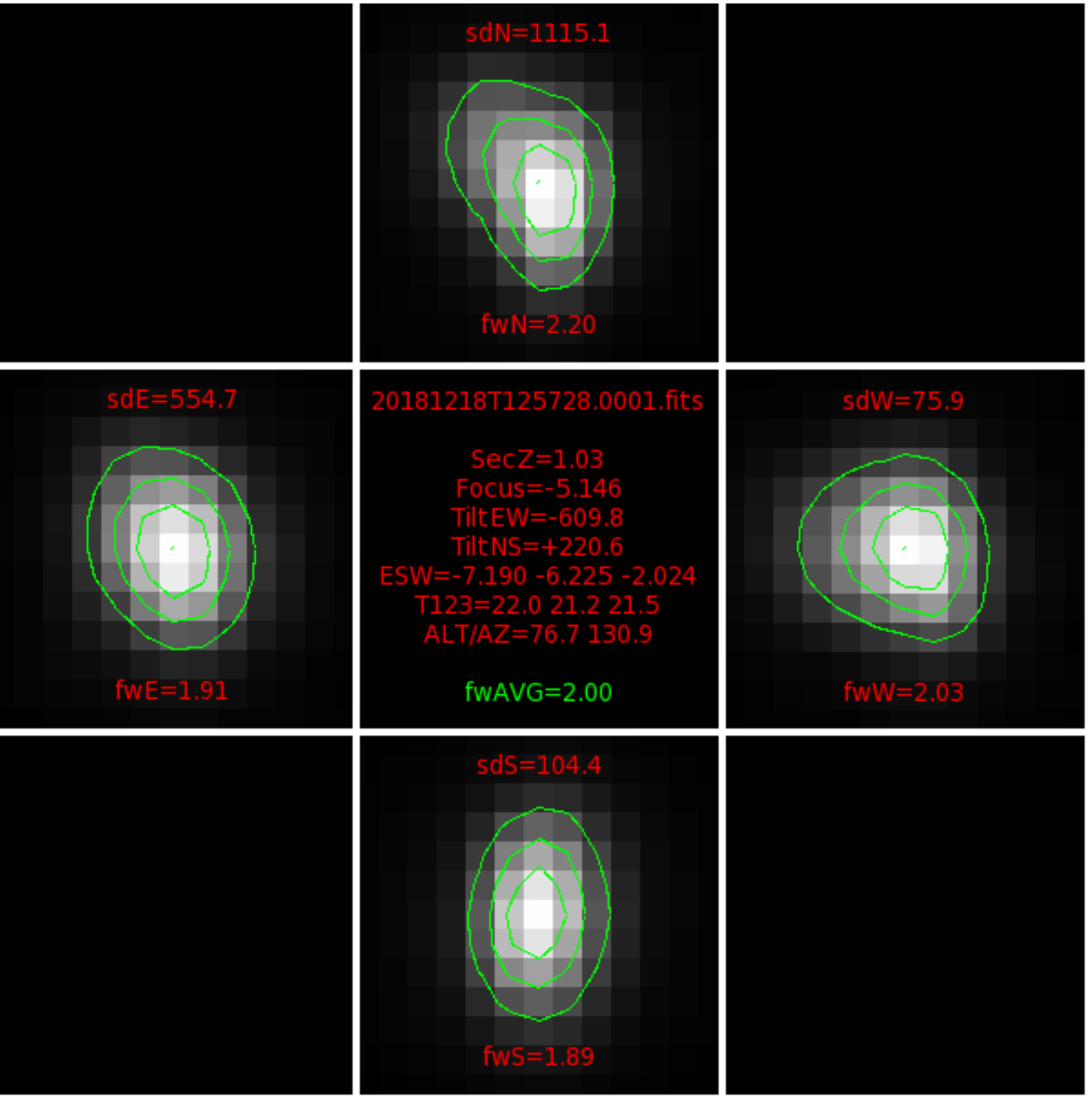
sdN=1115.1
fwN=2.20
sdE=554.7
fwE=1.91
20181218T125728.0001.fits
SecZ=1.03
Focus=-5.146
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.190 -6.225 -2.024
T123=22.0 21.2 21.5
ALT/AZ=76.7 130.9
fwAVG=2.00
sdW=75.9
fwW=2.03
sdS=104.4
fwS=1.89
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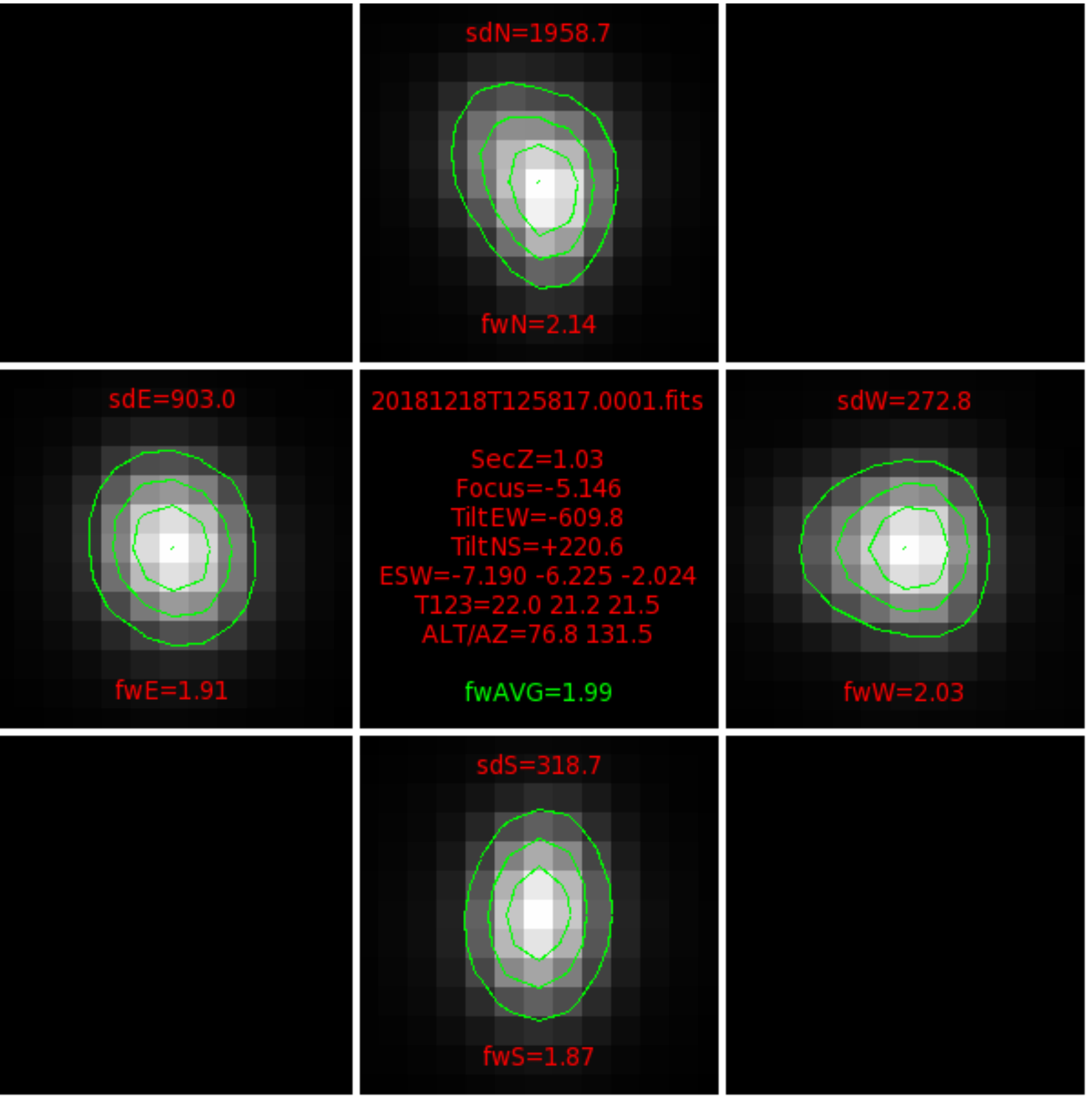
sdN=1958.7
fwN=2.14
sdE=903.0
fwE=1.91
20181218T125817.0001.fits
SecZ=1.03
Focus=-5.146
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.190 -6.225 -2.024
T123=22.0 21.2 21.5
ALT/AZ=76.8 131.5
fwAVG=1.99
sdW=272.8
fwW=2.03
sdS=318.7
fwS=1.87
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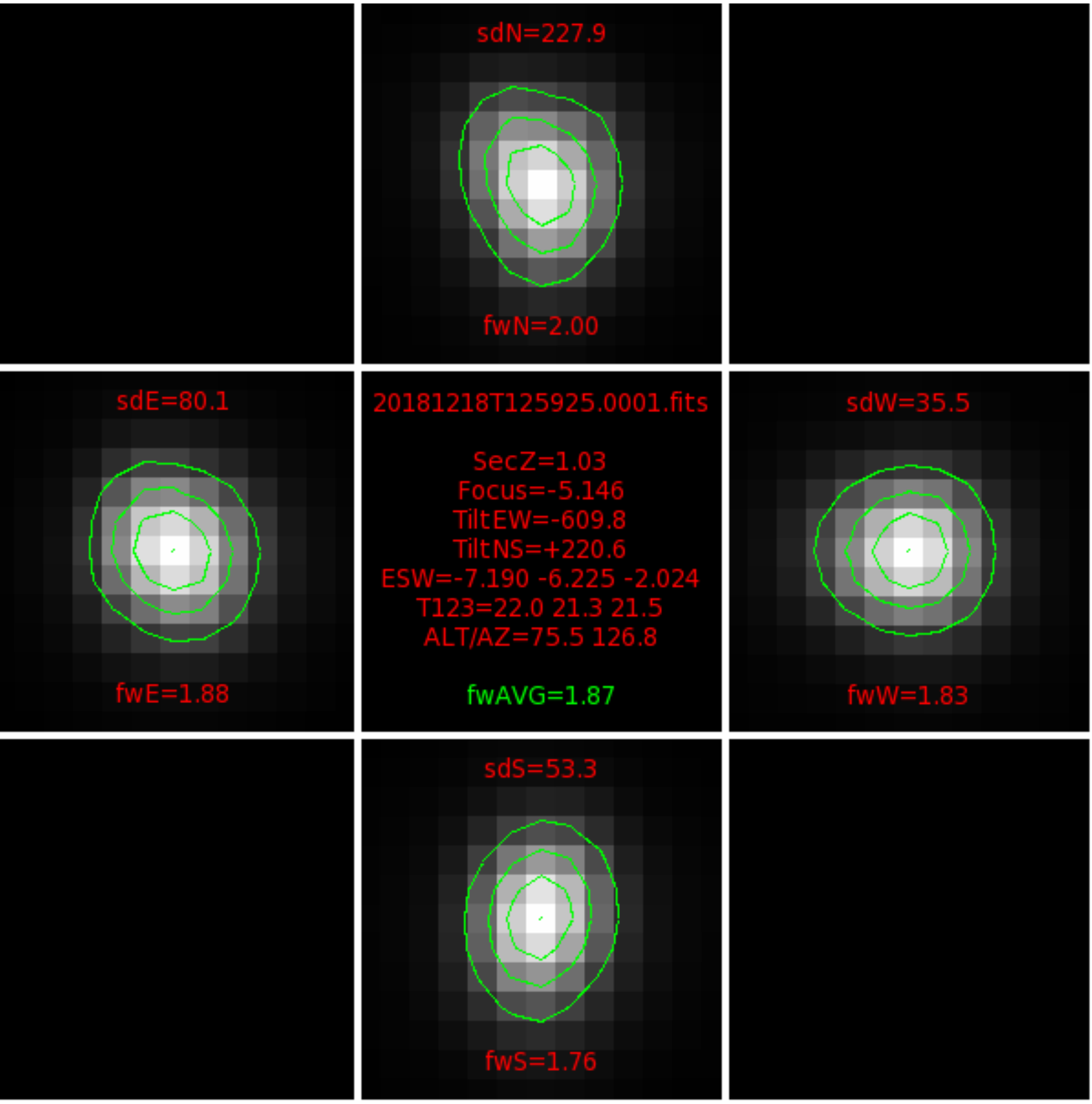
sdN=227.9
fwN=2.00
sdE=80.1
fwE=1.88
20181218T125925.0001.fits
SecZ=1.03
Focus=-5.146
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.190 -6.225 -2.024
T123=22.0 21.3 21.5
ALT/AZ=75.5 126.8
fwAVG=1.87
sdW=35.5
fwW=1.83
sdS=53.3
fwS=1.76
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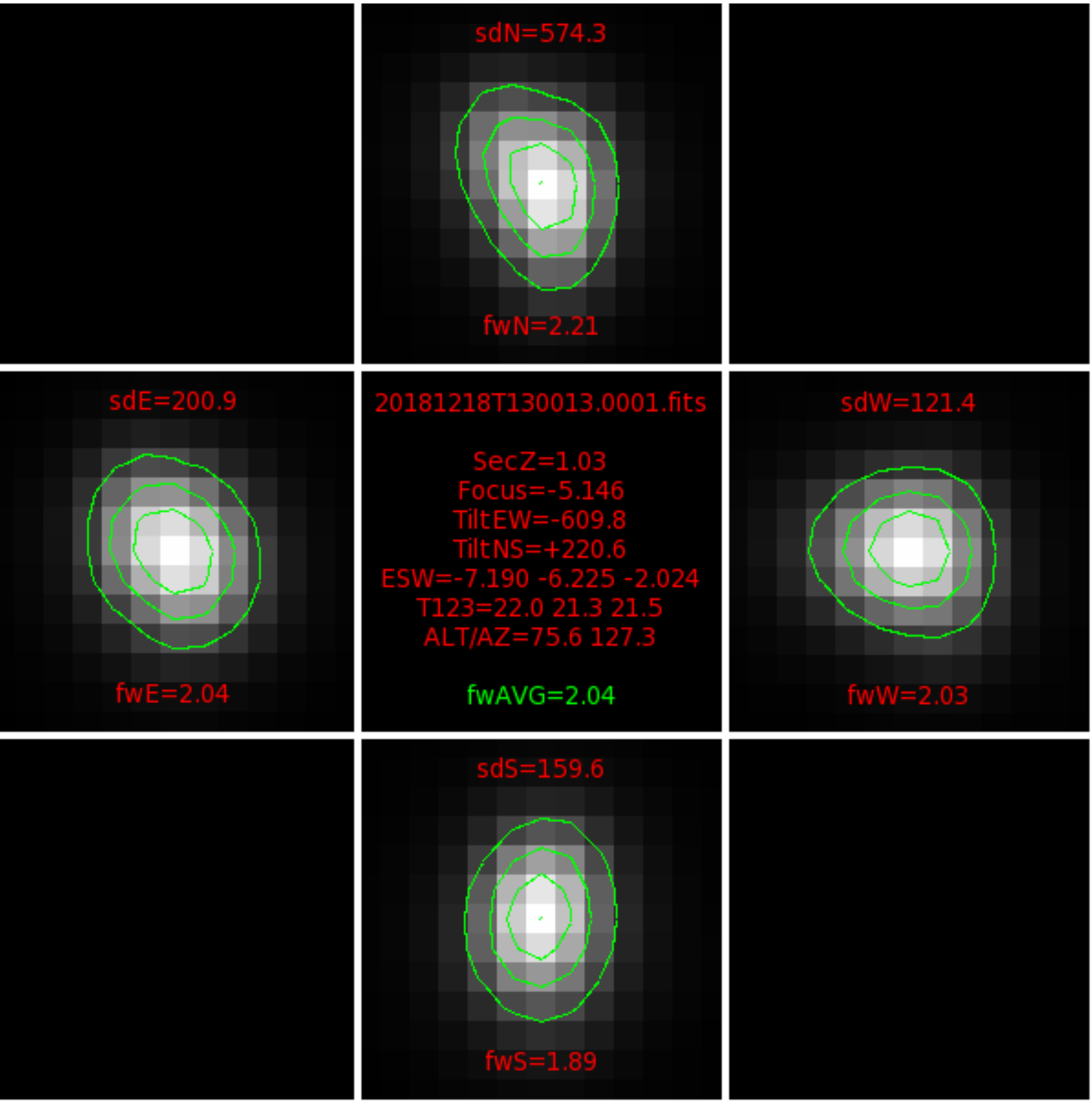
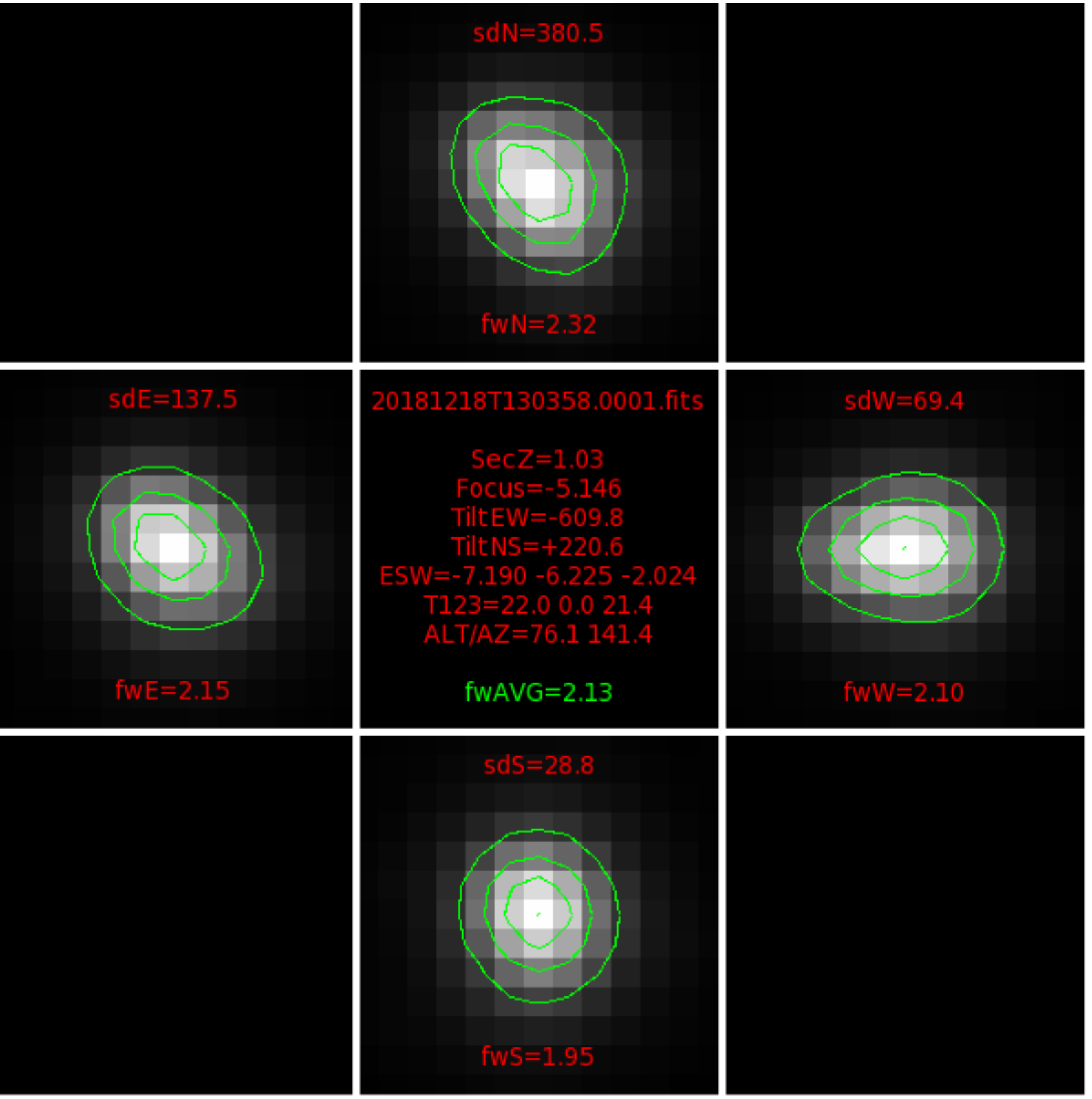
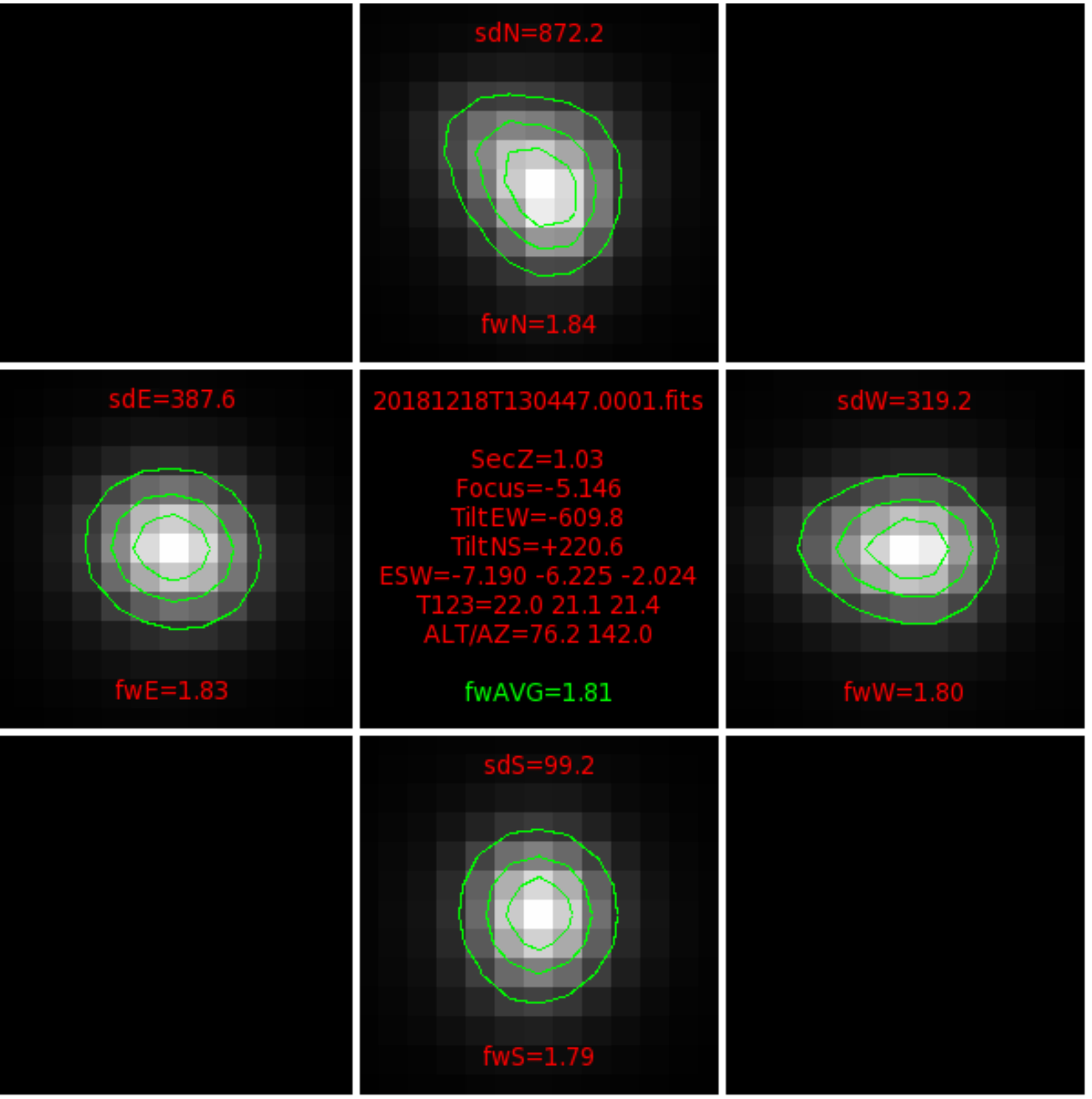
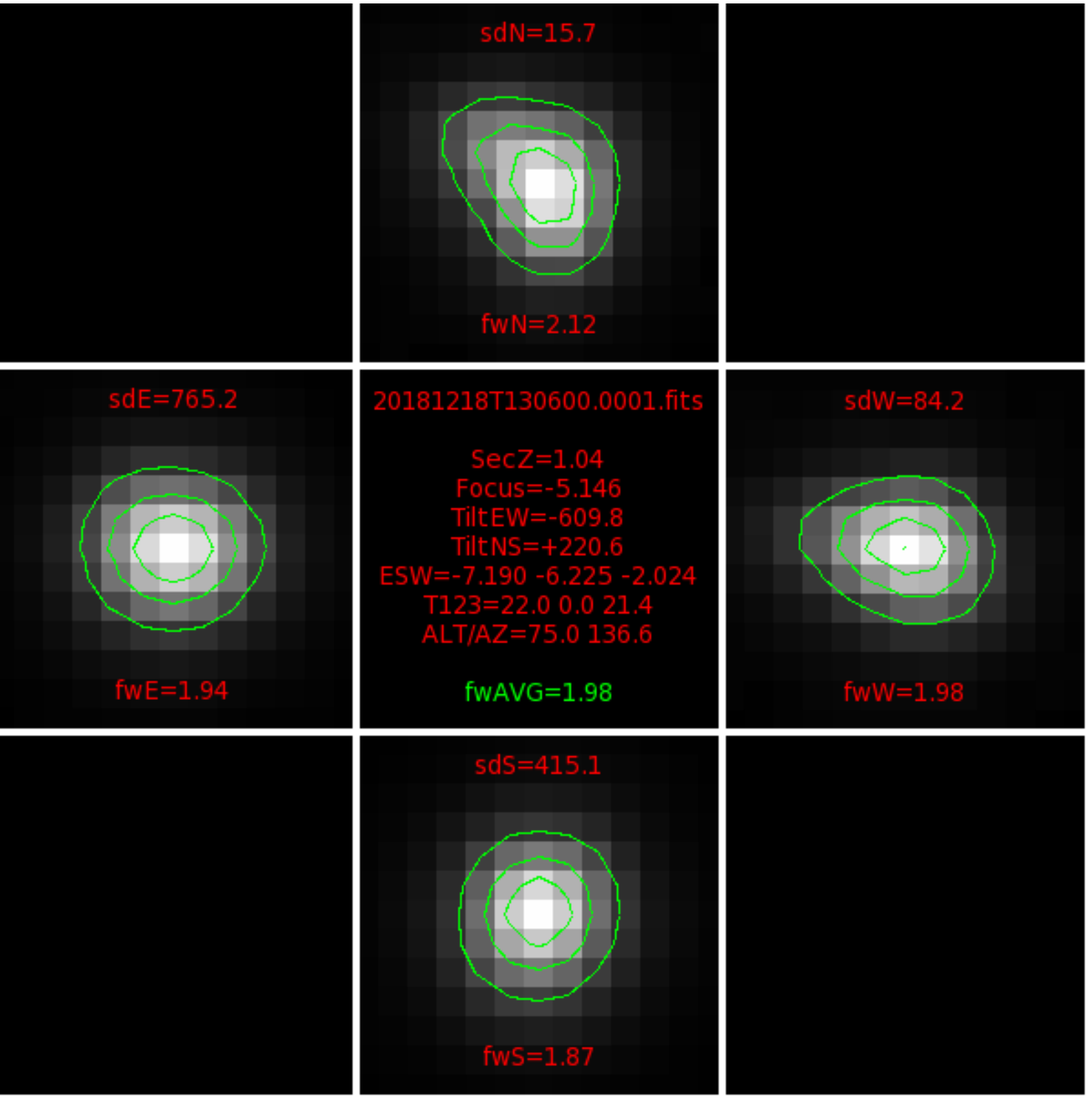

sdN=574.3
fwN=2.21
sdE=200.9
fwE=2.04
20181218T130013.0001.fits
SecZ=1.03
Focus=-5.146
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.190 -6.225 -2.024
T123=22.0 21.3 21.5
ALT/AZ=75.6 127.3
fwAVG=2.04
sdW=121.4
fwW=2.03
sdS=159.6
fwS=1.89
0 0 0 0 0 0 0 0 0


sdN=380.5
fwN=2.32
sdE=137.5
fwE=2.15
20181218T130358.0001.fits
SecZ=1.03
Focus=-5.146
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.190 -6.225 -2.024
T123=22.0 0.0 21.4
ALT/AZ=76.1 141.4
fwAVG=2.13
sdW=69.4
fwW=2.10
sdS=28.8
fwS=1.95
0 0 0 0 0 0 0 0 0


sdN=872.2
fwN=1.84
sdE=387.6
fwE=1.83
20181218T130447.0001.fits
SecZ=1.03
Focus=-5.146
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.190 -6.225 -2.024
T123=22.0 21.1 21.4
ALT/AZ=76.2 142.0
fwAVG=1.81
sdW=319.2
fwW=1.80
sdS=99.2
fwS=1.79
0 0 0 0 0 0 0 0 0


sdN=15.7
fwN=2.12
sdE=765.2
fwE=1.94
20181218T130600.0001.fits
SecZ=1.04
Focus=-5.146
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.190 -6.225 -2.024
T123=22.0 0.0 21.4
ALT/AZ=75.0 136.6
fwAVG=1.98
sdW=84.2
fwW=1.98
sdS=415.1
fwS=1.87
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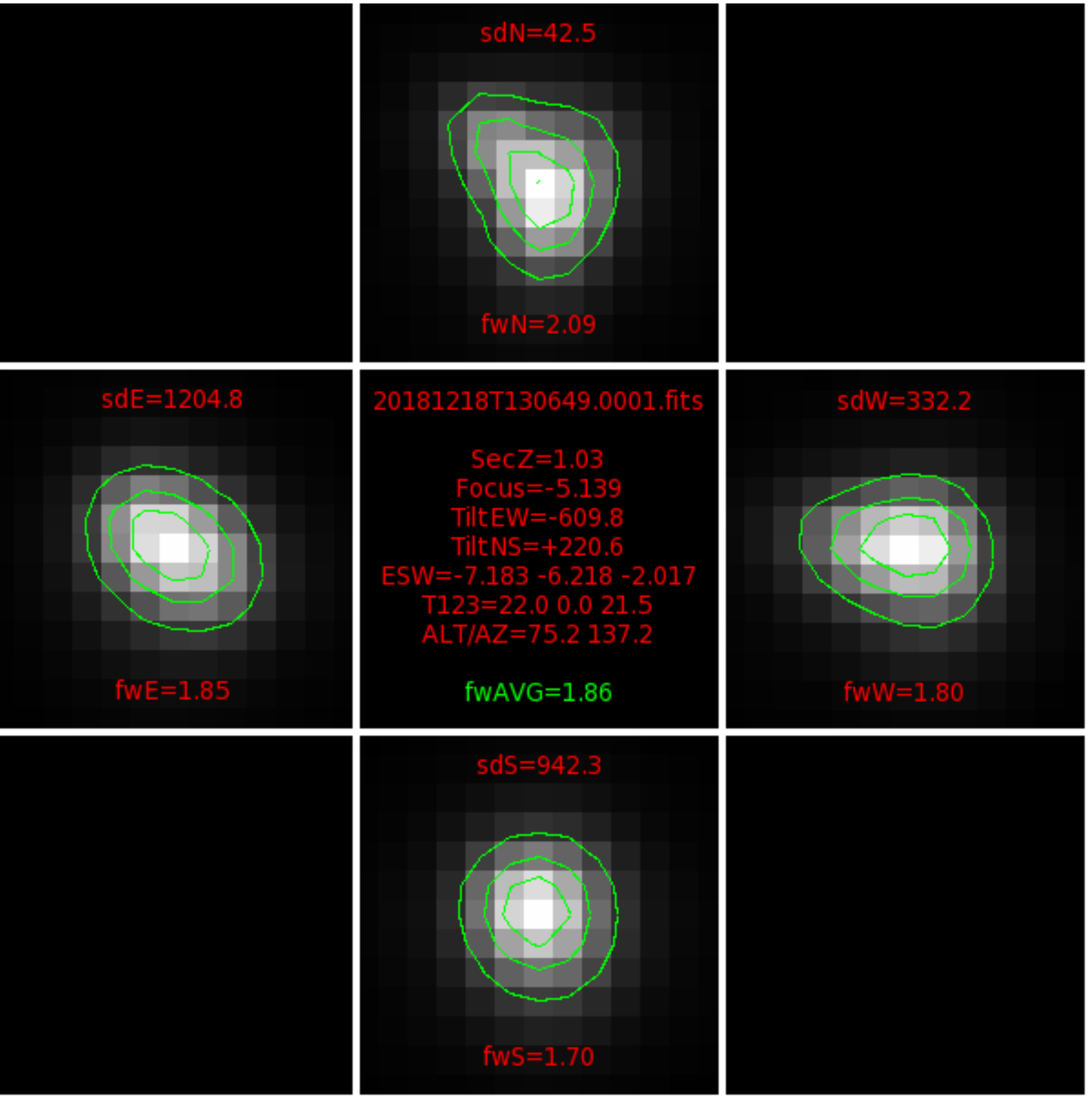
sdN=42.5
fwN=2.09
sdE=1204.8
fwE=1.85
20181218T130649.0001.fits
SecZ=1.03
Focus=-5.139
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.183 -6.218 -2.017
T123=22.0 0.0 21.5
ALT/AZ=75.2 137.2
fwAVG=1.86
sdW=332.2
fwW=1.80
sdS=942.3
fwS=1.70
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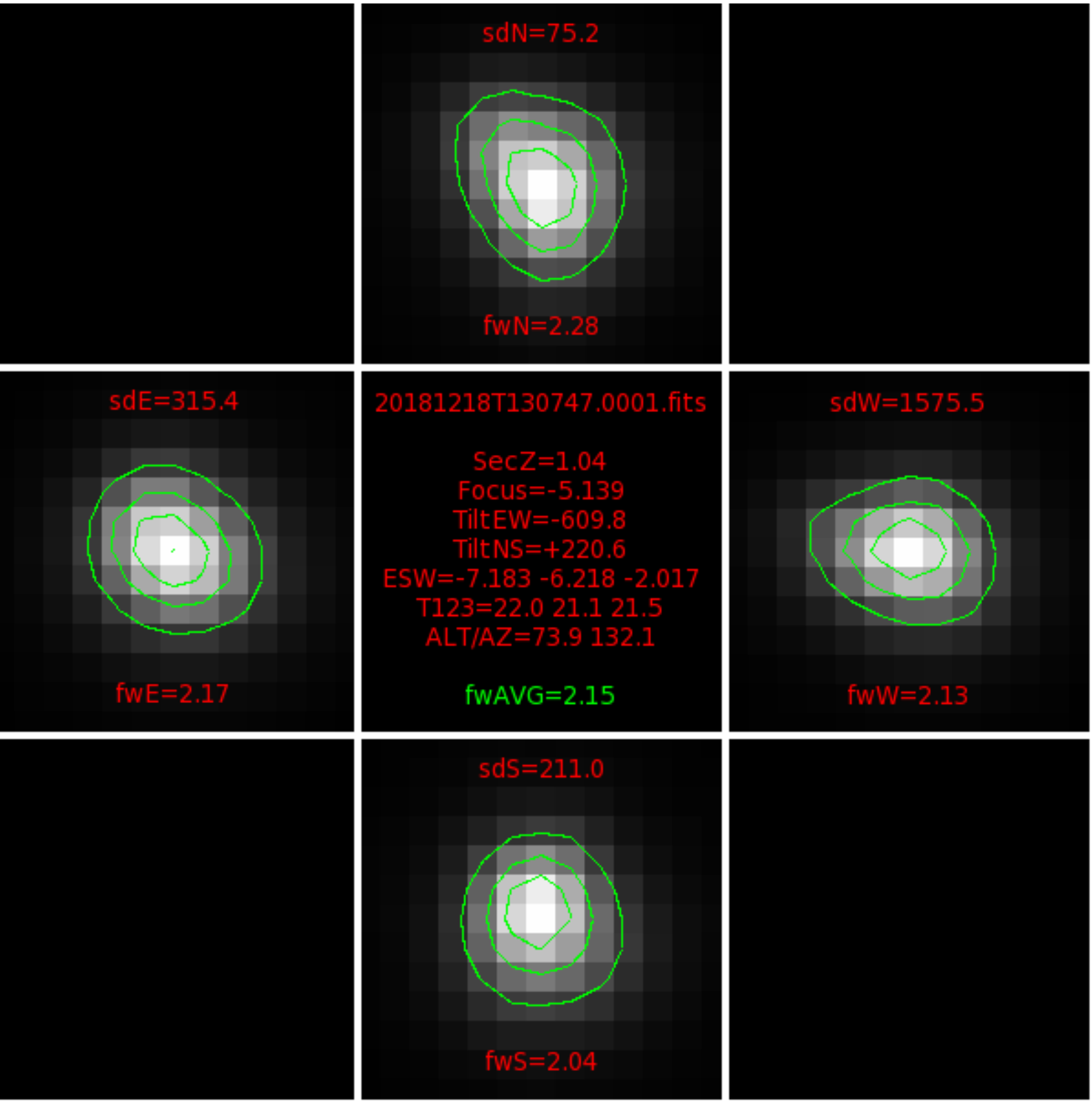
sdN=75.2
fwN=2.28
sdE=315.4
fwE=2.17
20181218T130747.0001.fits
SecZ=1.04
Focus=-5.139
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.183 -6.218 -2.017
T123=22.0 21.1 21.5
ALT/AZ=73.9 132.1
fwAVG=2.15
sdW=1575.5
fwW=2.13
sdS=211.0
fwS=2.04
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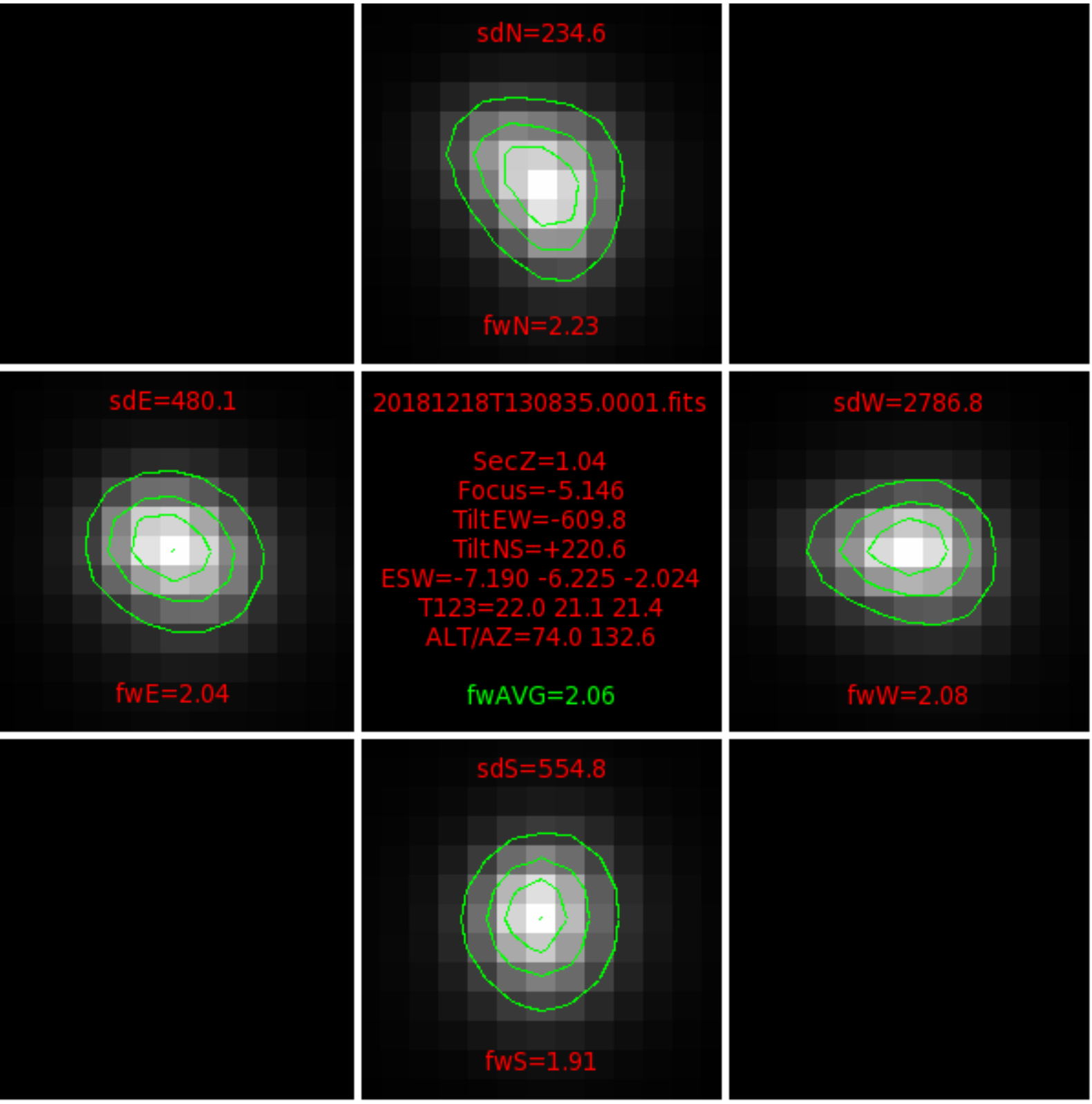
sdN=234.6
fwN=2.23
sdE=480.1
fwE=2.04
20181218T130835.0001.fits
SecZ=1.04
Focus=-5.146
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.190 -6.225 -2.024
T123=22.0 21.1 21.4
ALT/AZ=74.0 132.6
fwAVG=2.06
sdW=2786.8
fwW=2.08
sdS=554.8
fwS=1.91
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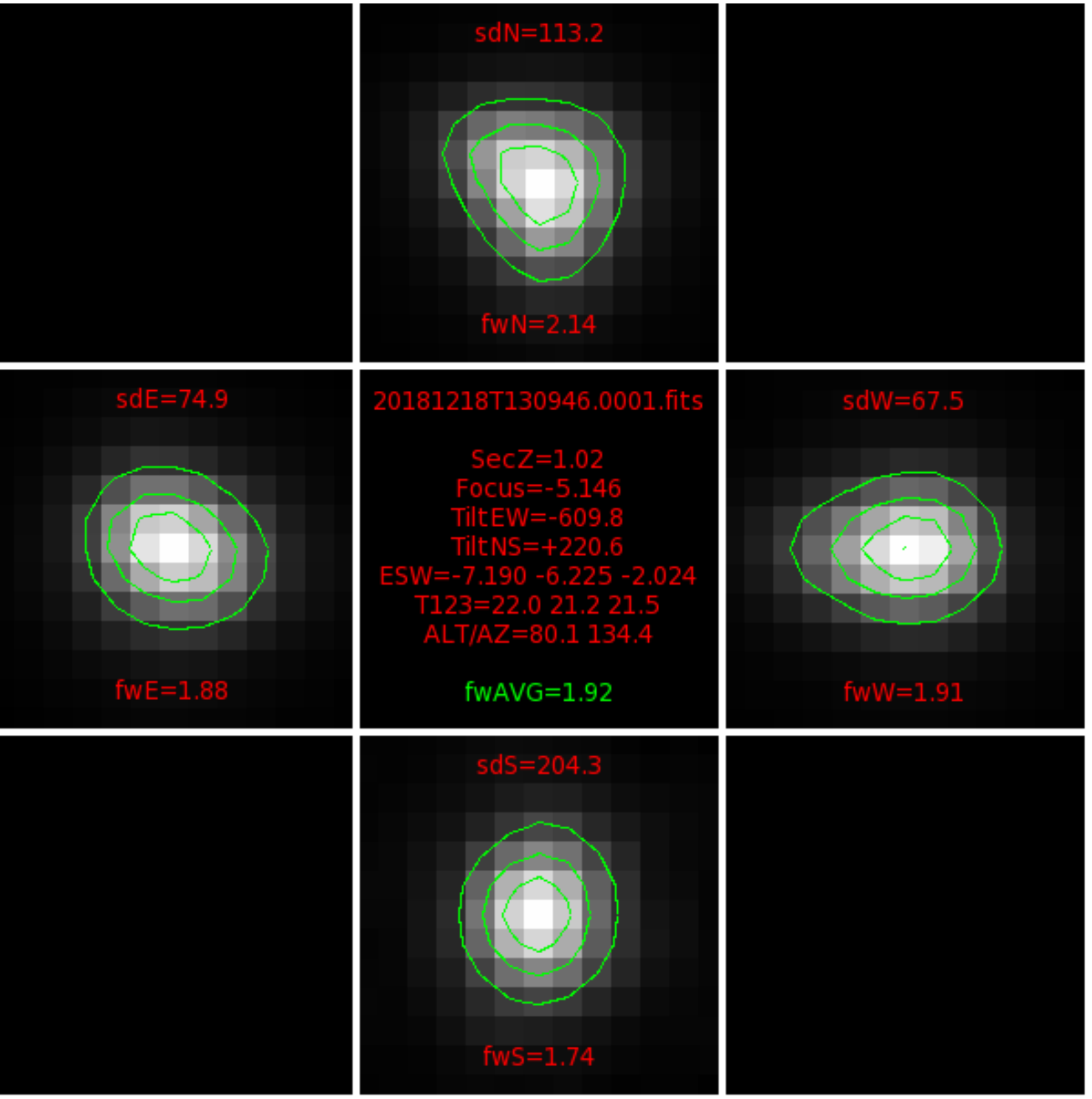
sdN=113.2
fwN=2.14
sdE=74.9
fwE=1.88
20181218T130946.0001.fits
SecZ=1.02
Focus=-5.146
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.190 -6.225 -2.024
T123=22.0 21.2 21.5
ALT/AZ=80.1 134.4
fwAVG=1.92
sdW=67.5
fwW=1.91
sdS=204.3
fwS=1.74
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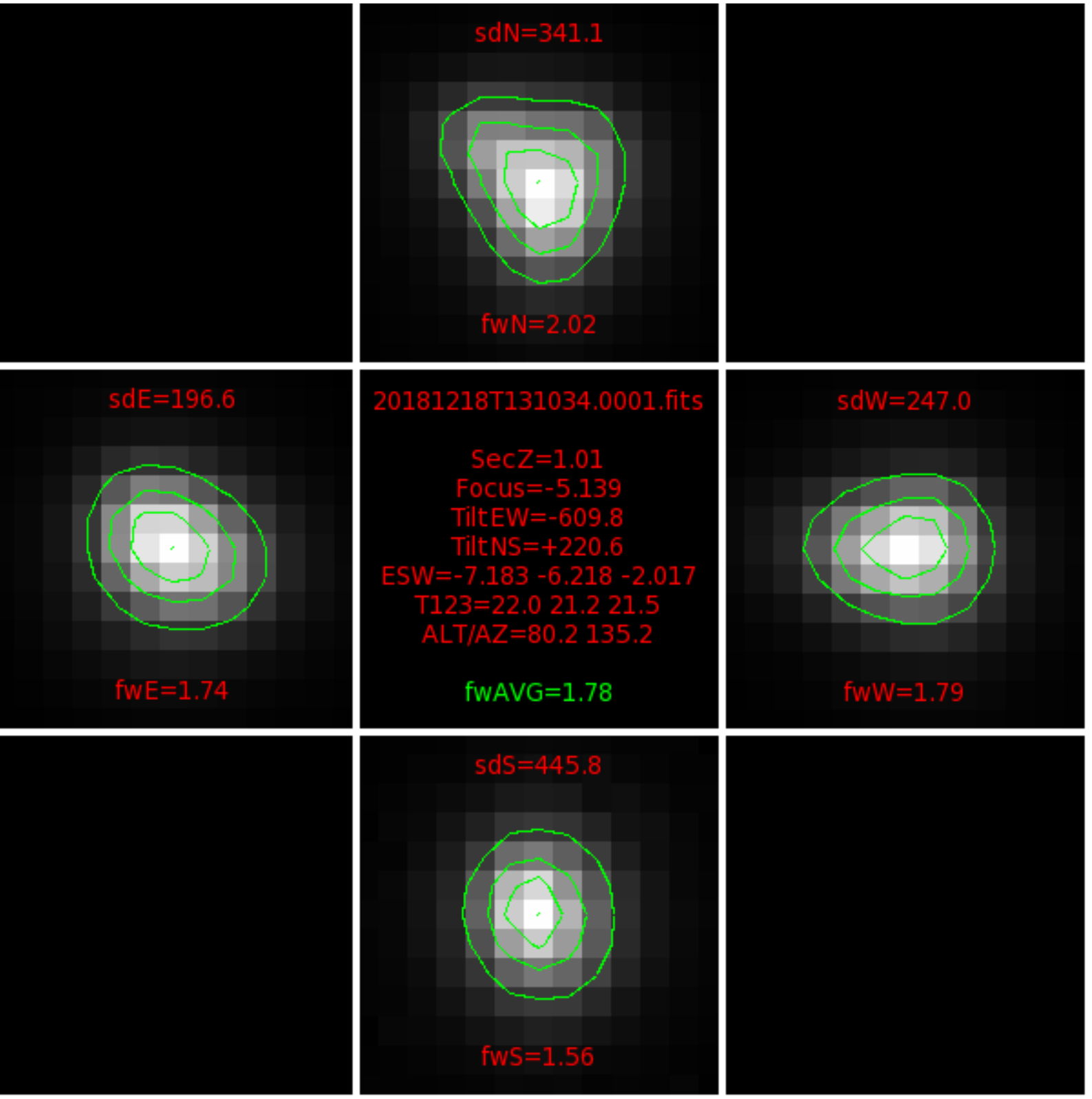
sdN=341.1
fwN=2.02
sdE=196.6
fwE=1.74
20181218T131034.0001.fits
SecZ=1.01
Focus=-5.139
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.183 -6.218 -2.017
T123=22.0 21.2 21.5
ALT/AZ=80.2 135.2
fwAVG=1.78
sdW=247.0
fwW=1.79
sdS=445.8
fwS=1.56
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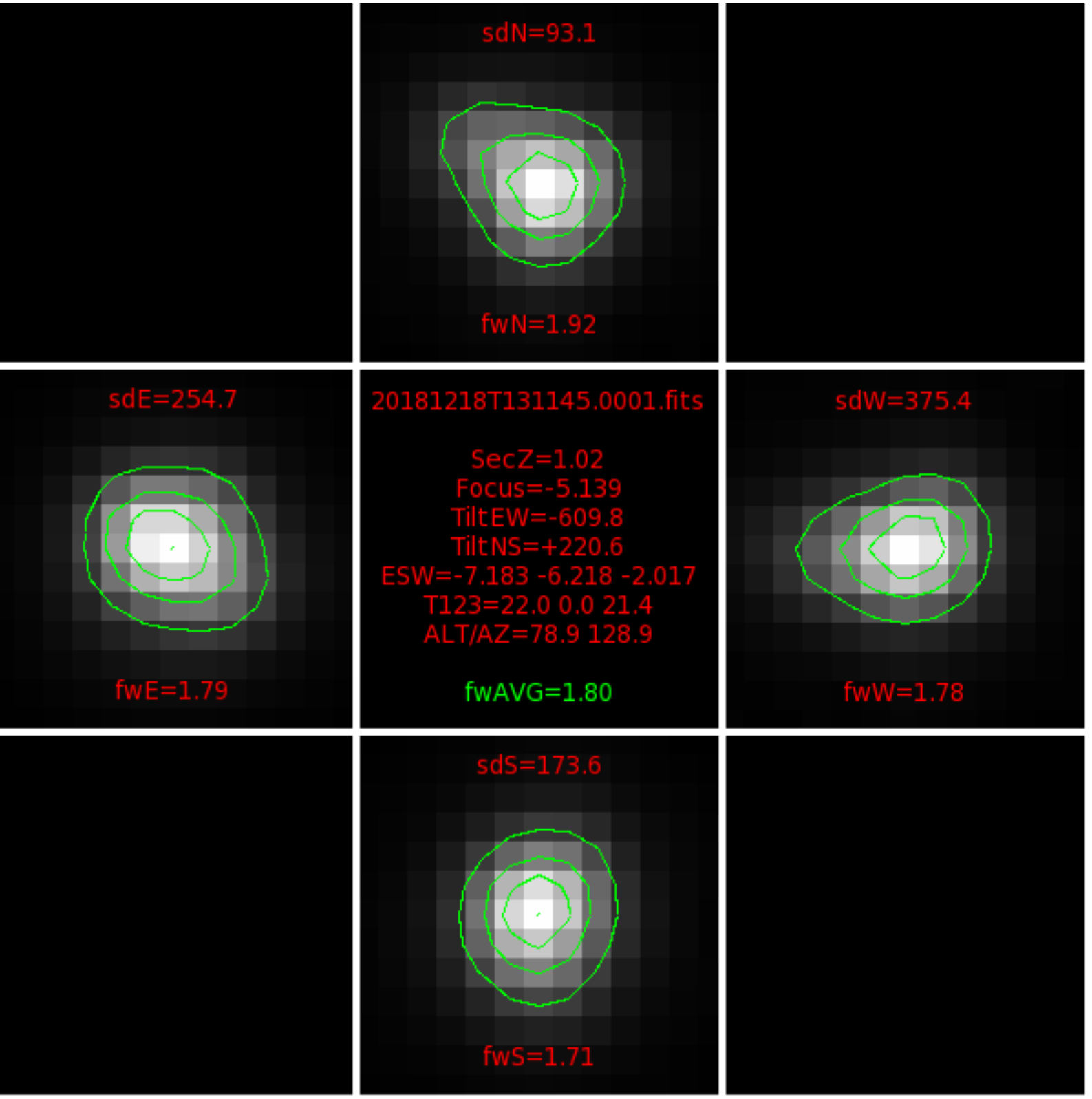
sdN=93.1
fwN=1.92
sdE=254.7
fwE=1.79
20181218T131145.0001.fits
SecZ=1.02
Focus=-5.139
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.183 -6.218 -2.017
T123=22.0 0.0 21.4
ALT/AZ=78.9 128.9
fwAVG=1.80
sdW=375.4
fwW=1.78
sdS=173.6
fwS=1.71
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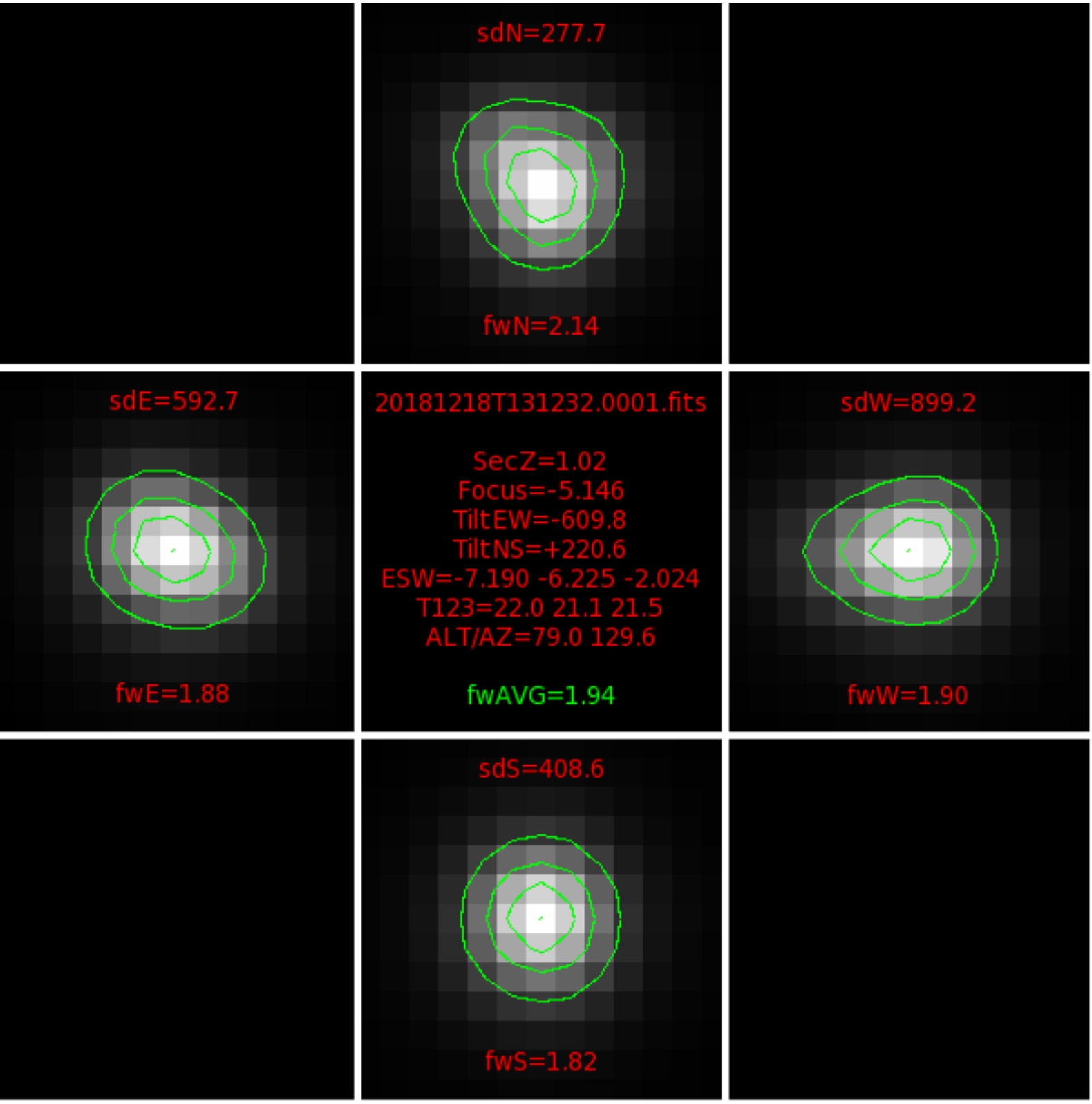
sdN=277.7
fwN=2.14
sdE=592.7
fwE=1.88
20181218T131232.0001.fits
SecZ=1.02
Focus=-5.146
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.190 -6.225 -2.024
T123=22.0 21.1 21.5
ALT/AZ=79.0 129.6
fwAVG=1.94
sdW=899.2
fwW=1.90
sdS=408.6
fwS=1.82
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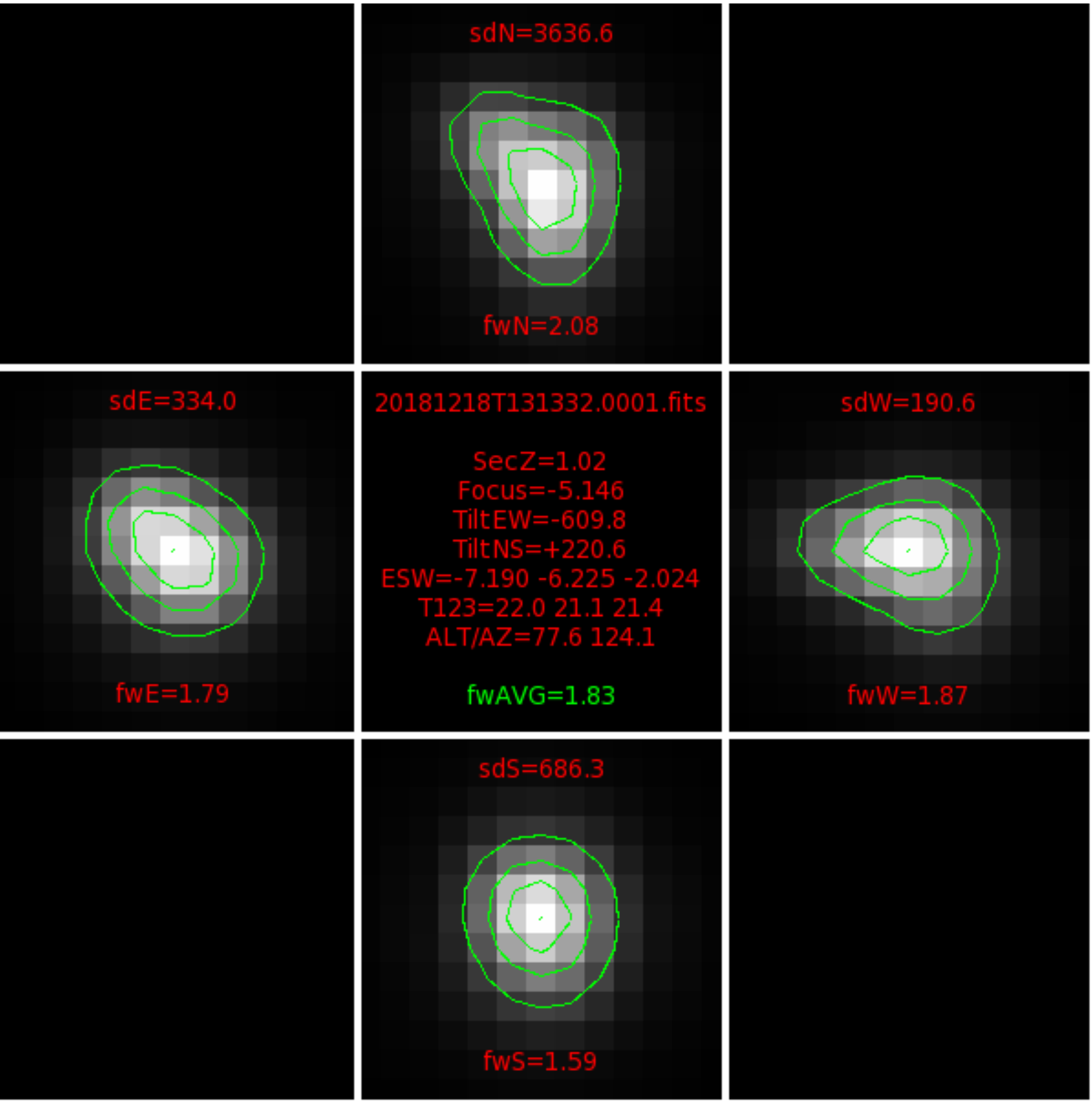
sdN=3636.6
fwN=2.08
sdE=334.0
fwE=1.79
20181218T131332.0001.fits
SecZ=1.02
Focus=-5.146
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.190 -6.225 -2.024
T123=22.0 21.1 21.4
ALT/AZ=77.6 124.1
fwAVG=1.83
sdW=190.6
fwW=1.87
sdS=686.3
fwS=1.59
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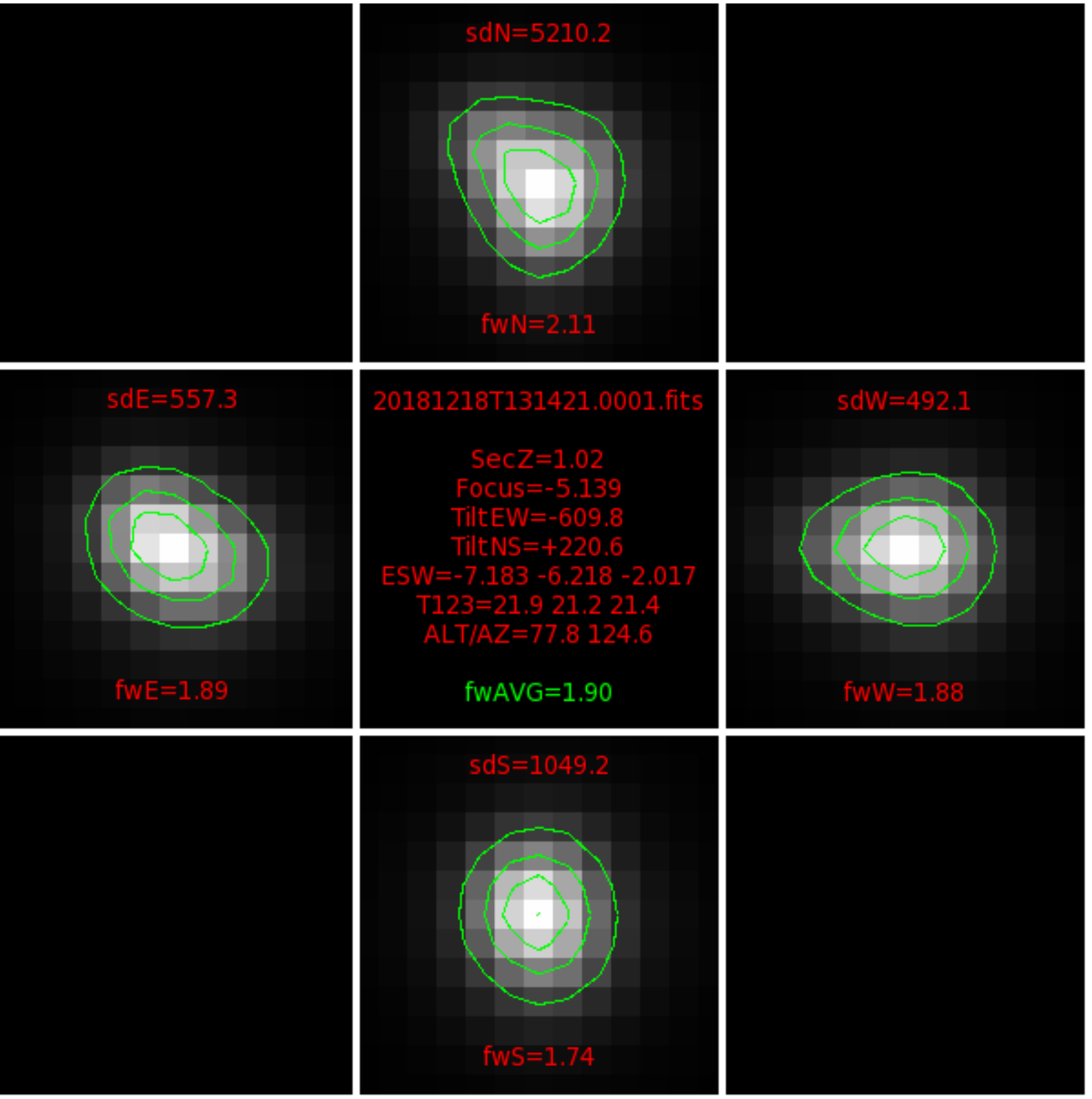
sdN=5210.2
fwN=2.11
sdE=557.3
fwE=1.89
20181218T131421.0001.fits
SecZ=1.02
Focus=-5.139
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.183 -6.218 -2.017
T123=21.9 21.2 21.4
ALT/AZ=77.8 124.6
fwAVG=1.90
sdW=492.1
fwW=1.88
sdS=1049.2
fwS=1.74
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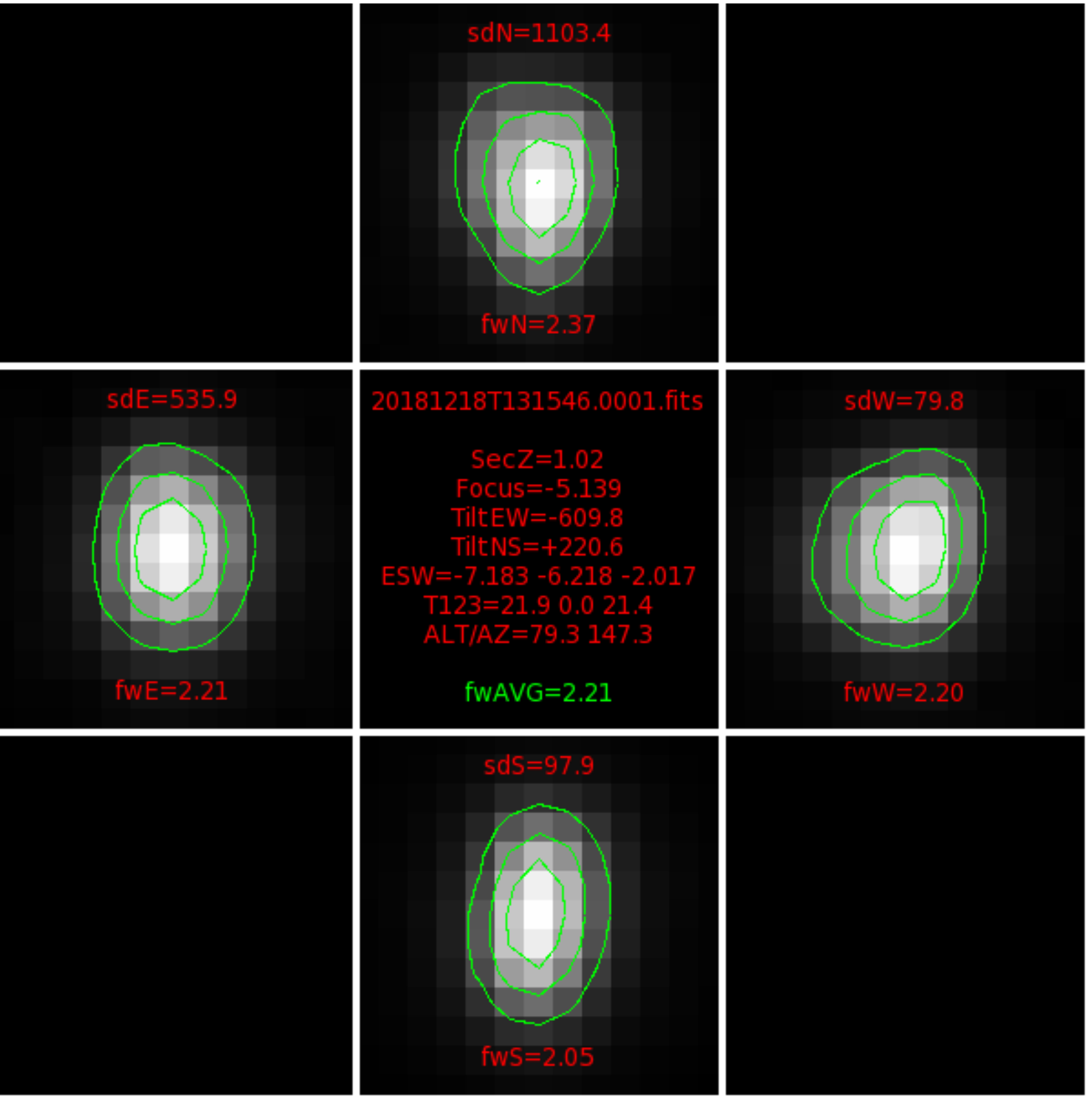
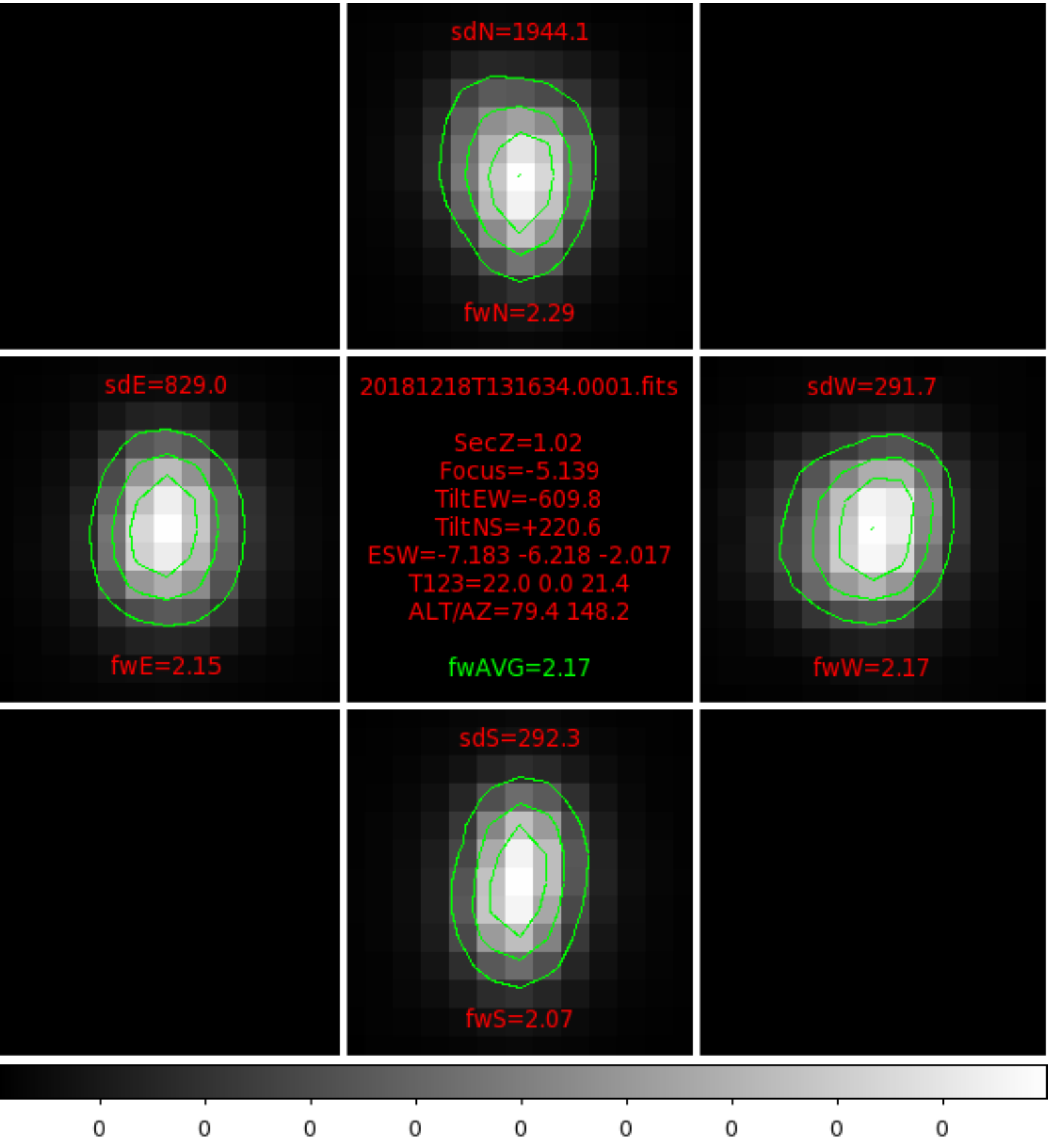

sdN=1103.4
fwN=2.37
sdE=535.9
fwE=2.21
20181218T131546.0001.fits
SecZ=1.02
Focus=-5.139
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.183 -6.218 -2.017
T123=21.9 0.0 21.4
ALT/AZ=79.3 147.3
fwAVG=2.21
sdW=79.8
fwW=2.20
sdS=97.9
fwS=2.05
0 0 0 0 0 0 0 0 0


sdN=1944.1
fwN=2.29
sdE=829.0
fwE=2.15
20181218T131634.0001.fits
SecZ=1.02
Focus=-5.139
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.183 -6.218 -2.017
T123=22.0 0.0 21.4
ALT/AZ=79.4 148.2
fwAVG=2.17
sdW=291.7
fwW=2.17
sdS=292.3
fwS=2.07
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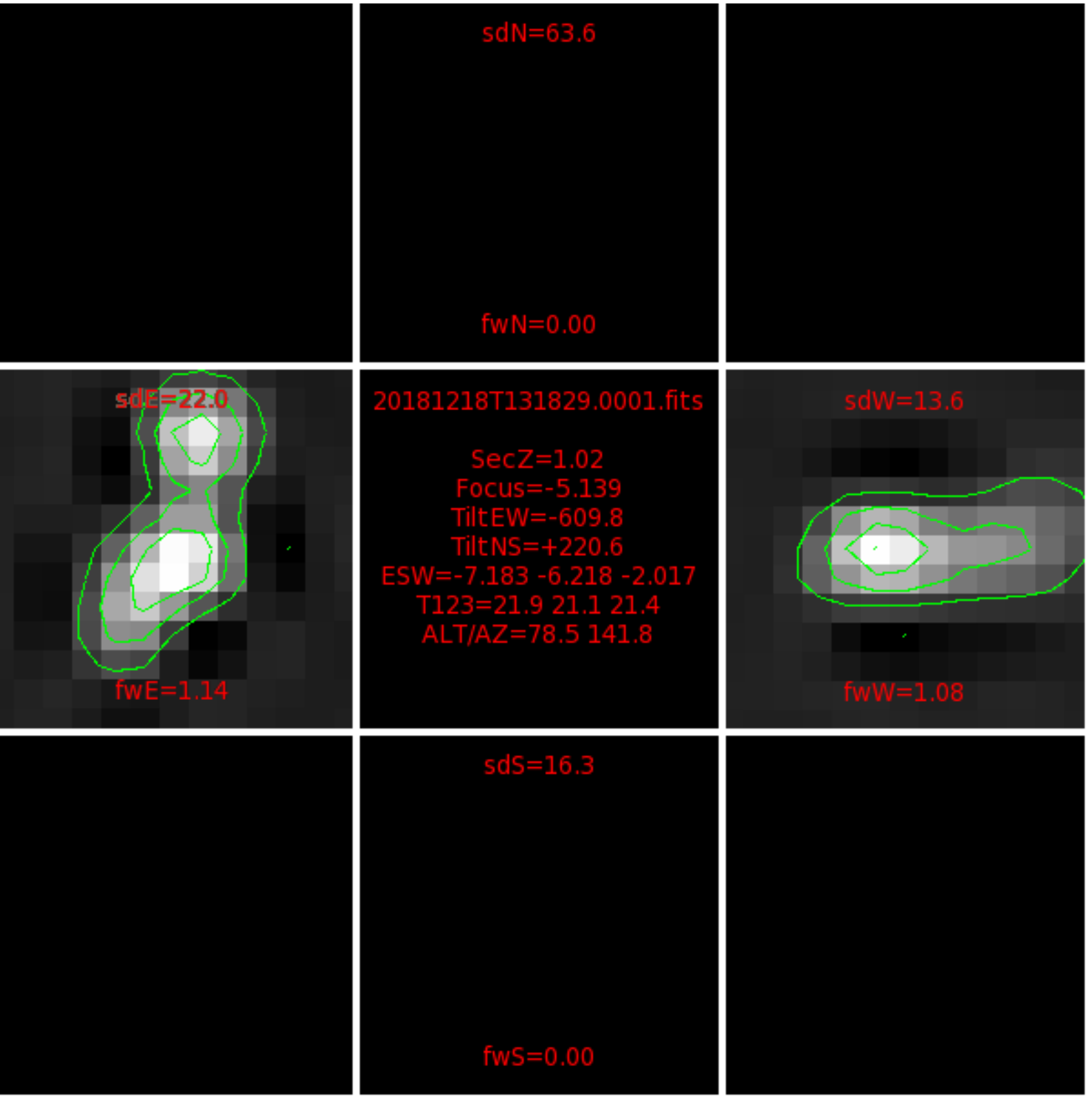
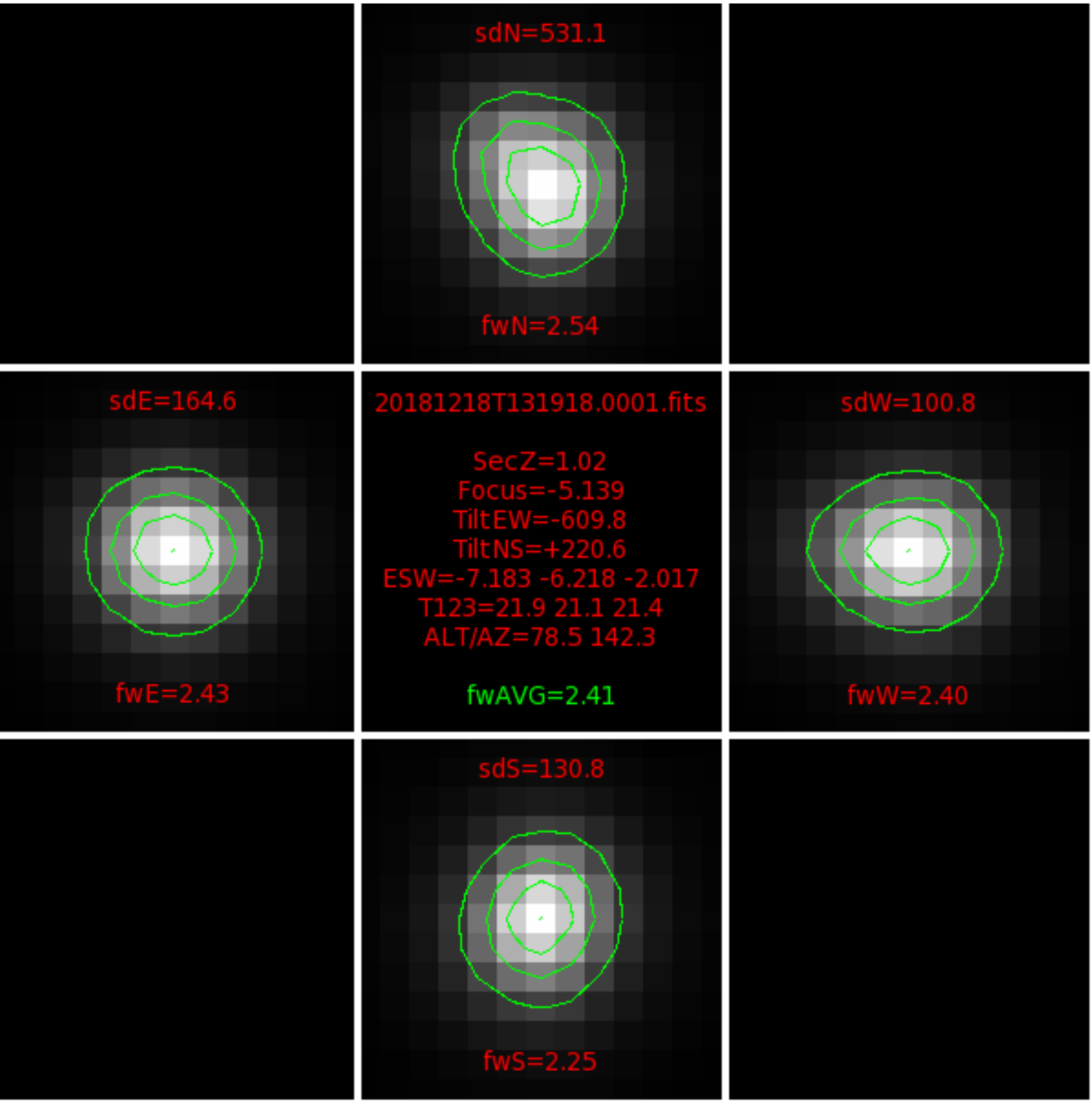

sdN=63.6
fwN=0.00
sdE=22.0
20181218T131829.0001.fits
SecZ=1.02
Focus=-5.139
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.183 -6.218 -2.017
T123=21.9 21.1 21.4
ALT/AZ=78.5 141.8
sdW=13.6
fwE=1.14
fwW=1.08
sdS=16.3
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=531.1
fwN=2.54
sdE=164.6
fwE=2.43
20181218T131918.0001.fits
SecZ=1.02
Focus=-5.139
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.183 -6.218 -2.017
T123=21.9 21.1 21.4
ALT/AZ=78.5 142.3
fwAVG=2.41
sdW=100.8
fwW=2.40
sdS=130.8
fwS=2.25
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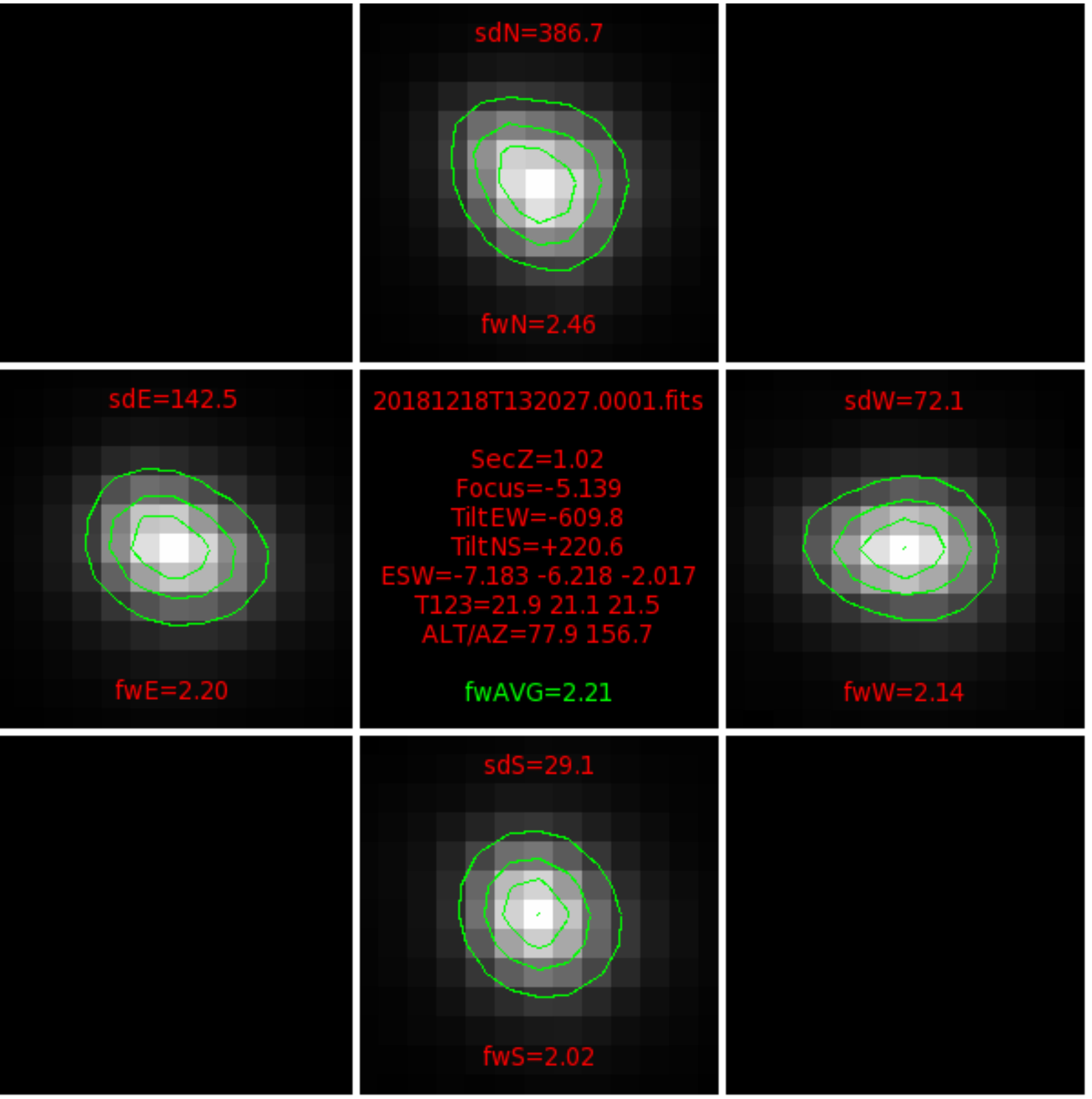
sdN=386.7
fwN=2.46
sdE=142.5
fwE=2.20
20181218T132027.0001.fits
SecZ=1.02
Focus=-5.139
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.183 -6.218 -2.017
T123=21.9 21.1 21.5
ALT/AZ=77.9 156.7
fwAVG=2.21
sdW=72.1
fwW=2.14
sdS=29.1
fwS=2.02
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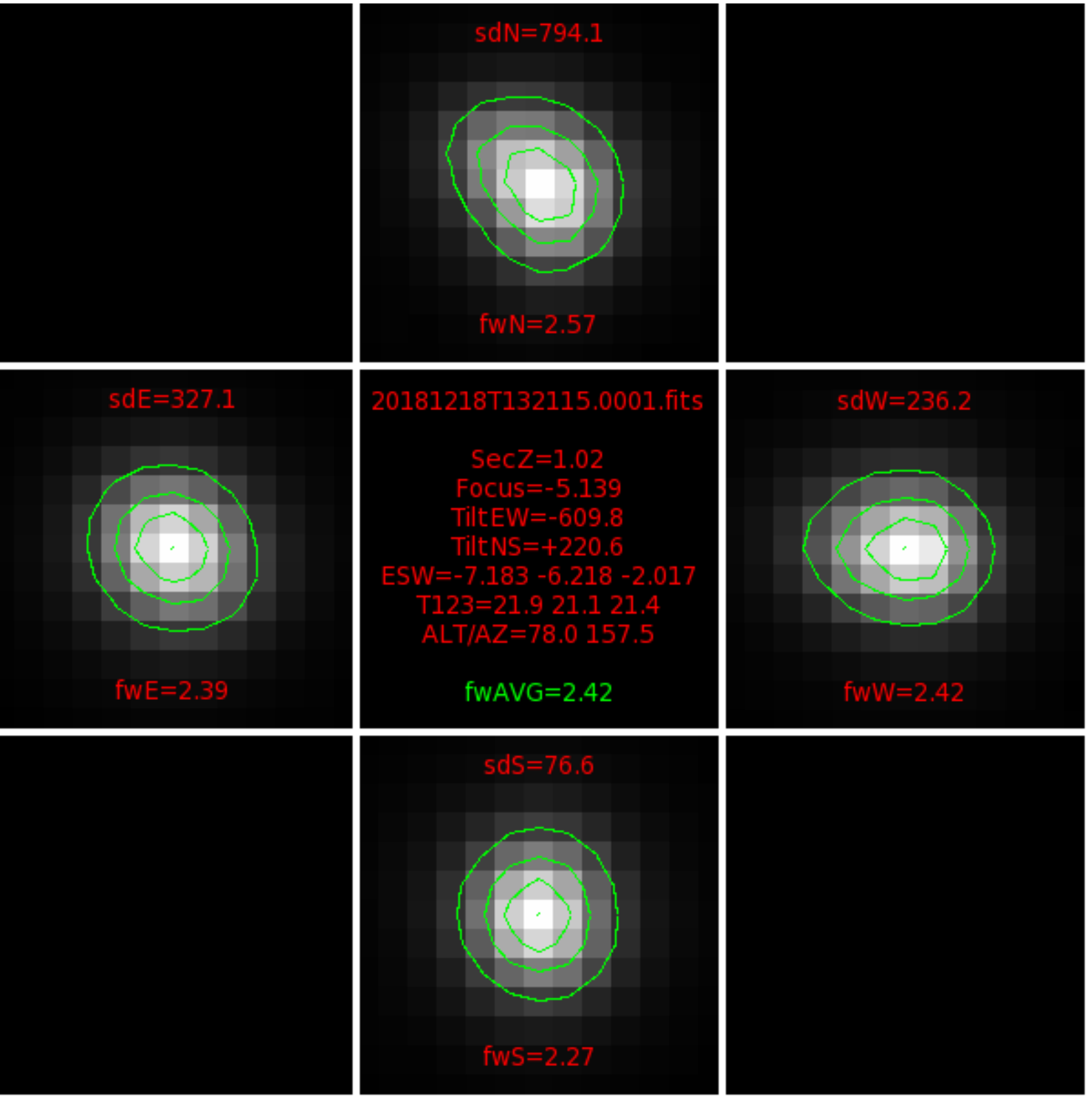
sdN=794.1
fwN=2.57
sdE=327.1
fwE=2.39
20181218T132115.0001.fits
SecZ=1.02
Focus=-5.139
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.183 -6.218 -2.017
T123=21.9 21.1 21.4
ALT/AZ=78.0 157.5
fwAVG=2.42
sdW=236.2
fwW=2.42
sdS=76.6
fwS=2.27
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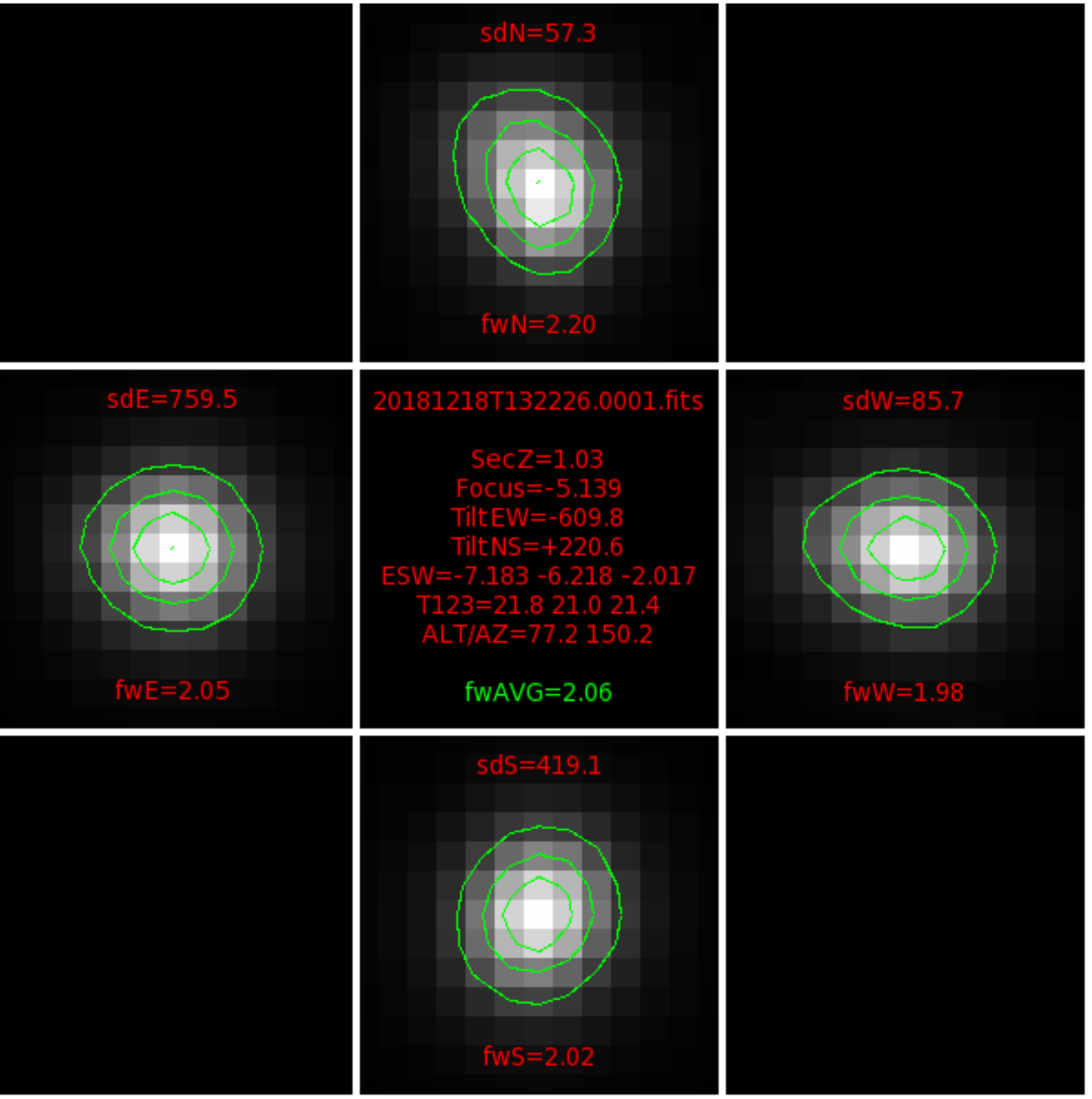
sdN=57.3
fwN=2.20
sdE=759.5
fwE=2.05
20181218T132226.0001.fits
SecZ=1.03
Focus=-5.139
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.183 -6.218 -2.017
T123=21.8 21.0 21.4
ALT/AZ=77.2 150.2
fwAVG=2.06
sdW=85.7
fwW=1.98
sdS=419.1
fwS=2.02
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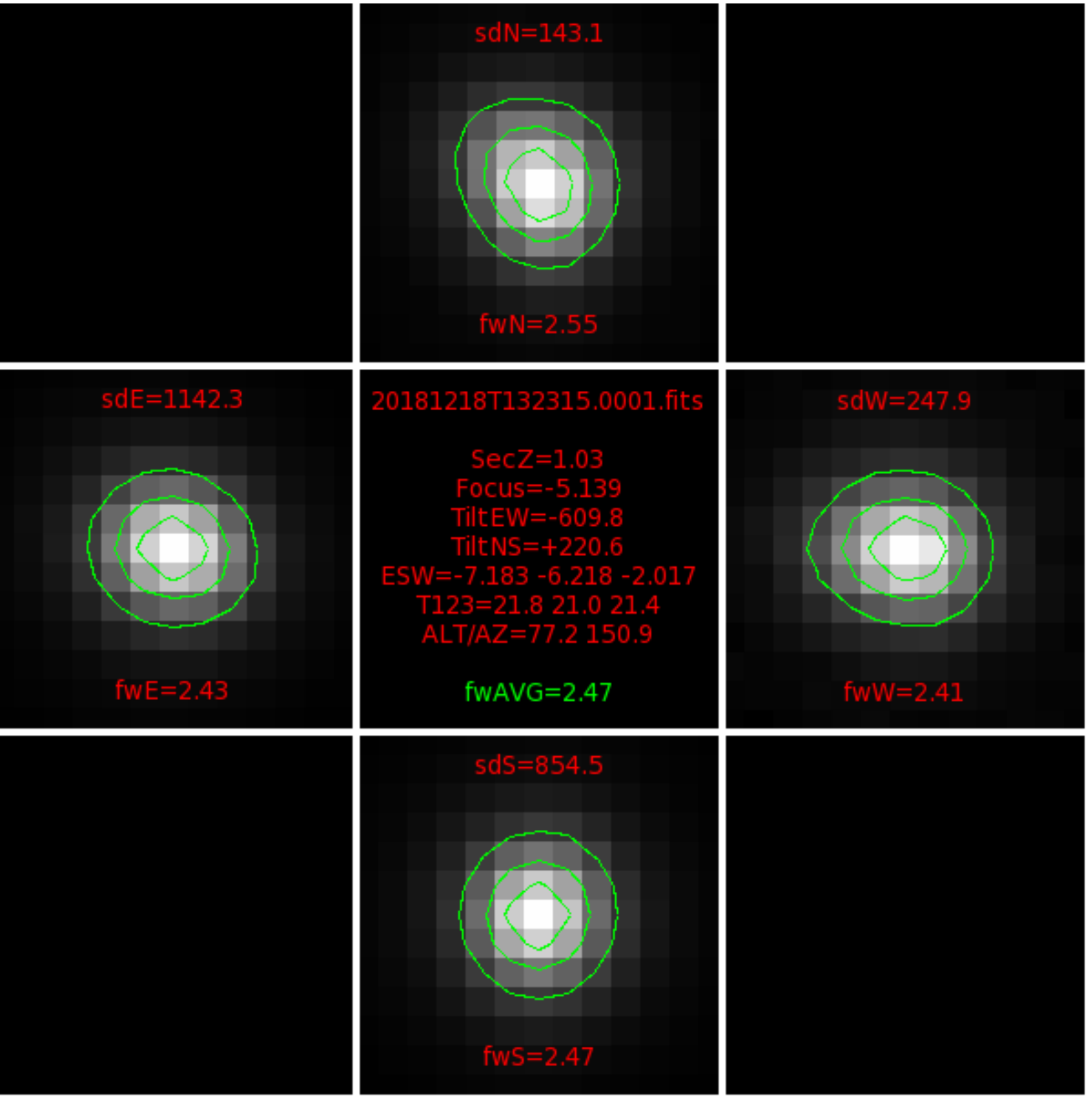
sdN=143.1
fwN=2.55
sdE=1142.3
fwE=2.43
20181218T132315.0001.fits
SecZ=1.03
Focus=-5.139
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.183 -6.218 -2.017
T123=21.8 21.0 21.4
ALT/AZ=77.2 150.9
fwAVG=2.47
sdW=247.9
fwW=2.41
sdS=854.5
fwS=2.47
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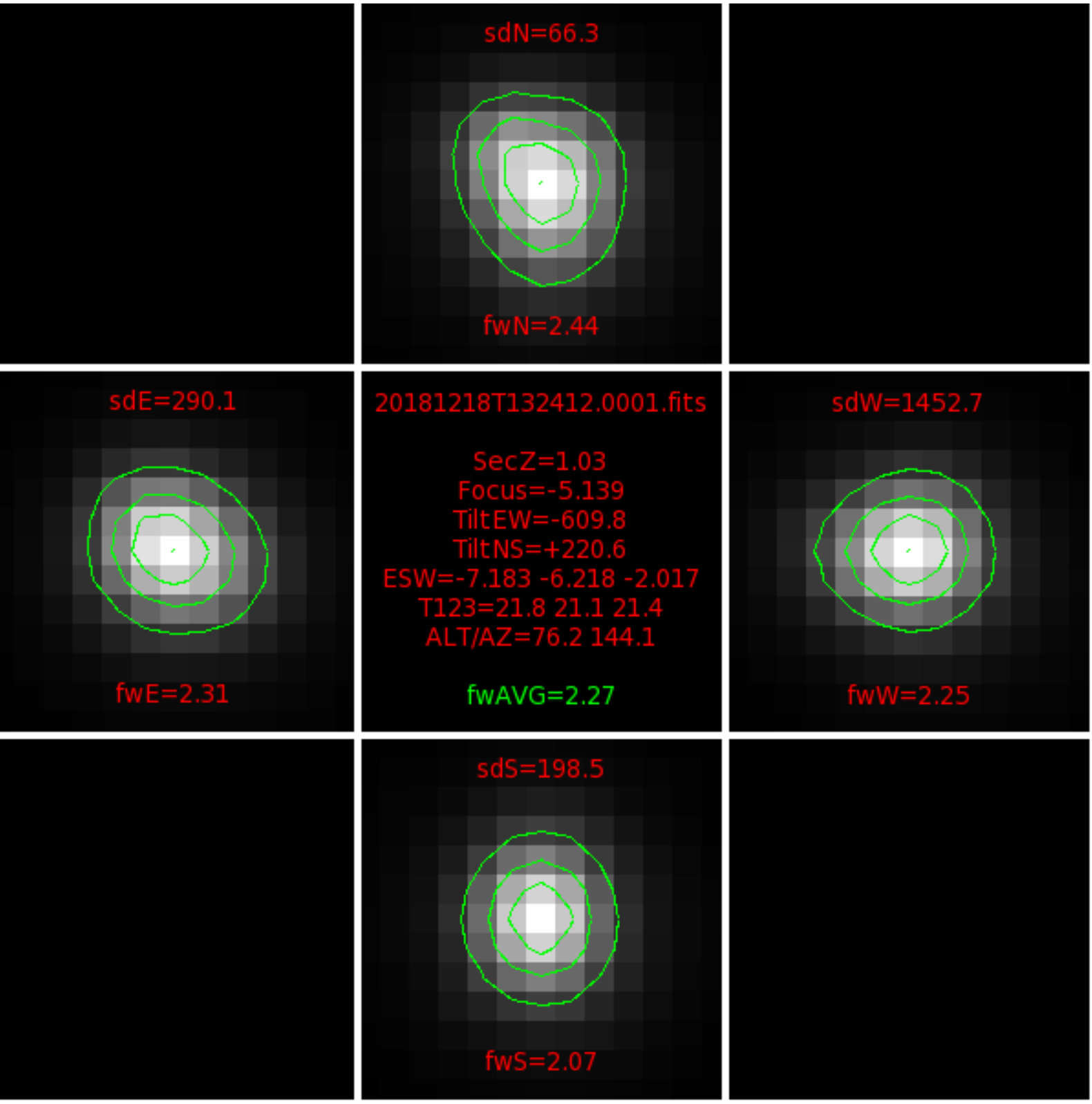
sdN=66.3
fwN=2.44
sdE=290.1
fwE=2.31
20181218T132412.0001.fits
SecZ=1.03
Focus=-5.139
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.183 -6.218 -2.017
T123=21.8 21.1 21.4
ALT/AZ=76.2 144.1
fwAVG=2.27
sdW=1452.7
fwW=2.25
sdS=198.5
fwS=2.07
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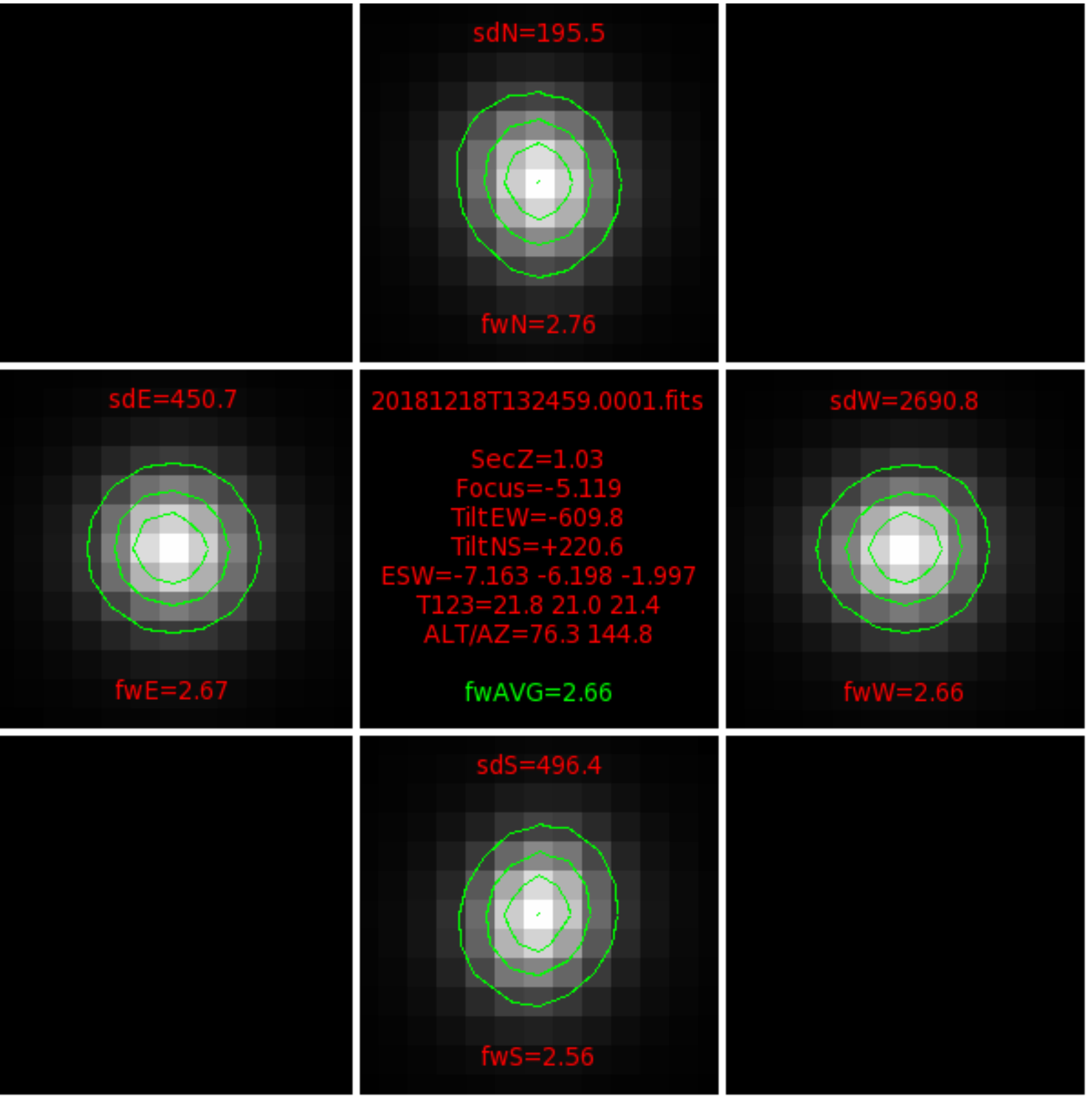
sdN=195.5
fwN=2.76
sdE=450.7
fwE=2.67
20181218T132459.0001.fits
SecZ=1.03
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.8 21.0 21.4
ALT/AZ=76.3 144.8
fwAVG=2.66
sdW=2690.8
fwW=2.66
sdS=496.4
fwS=2.56
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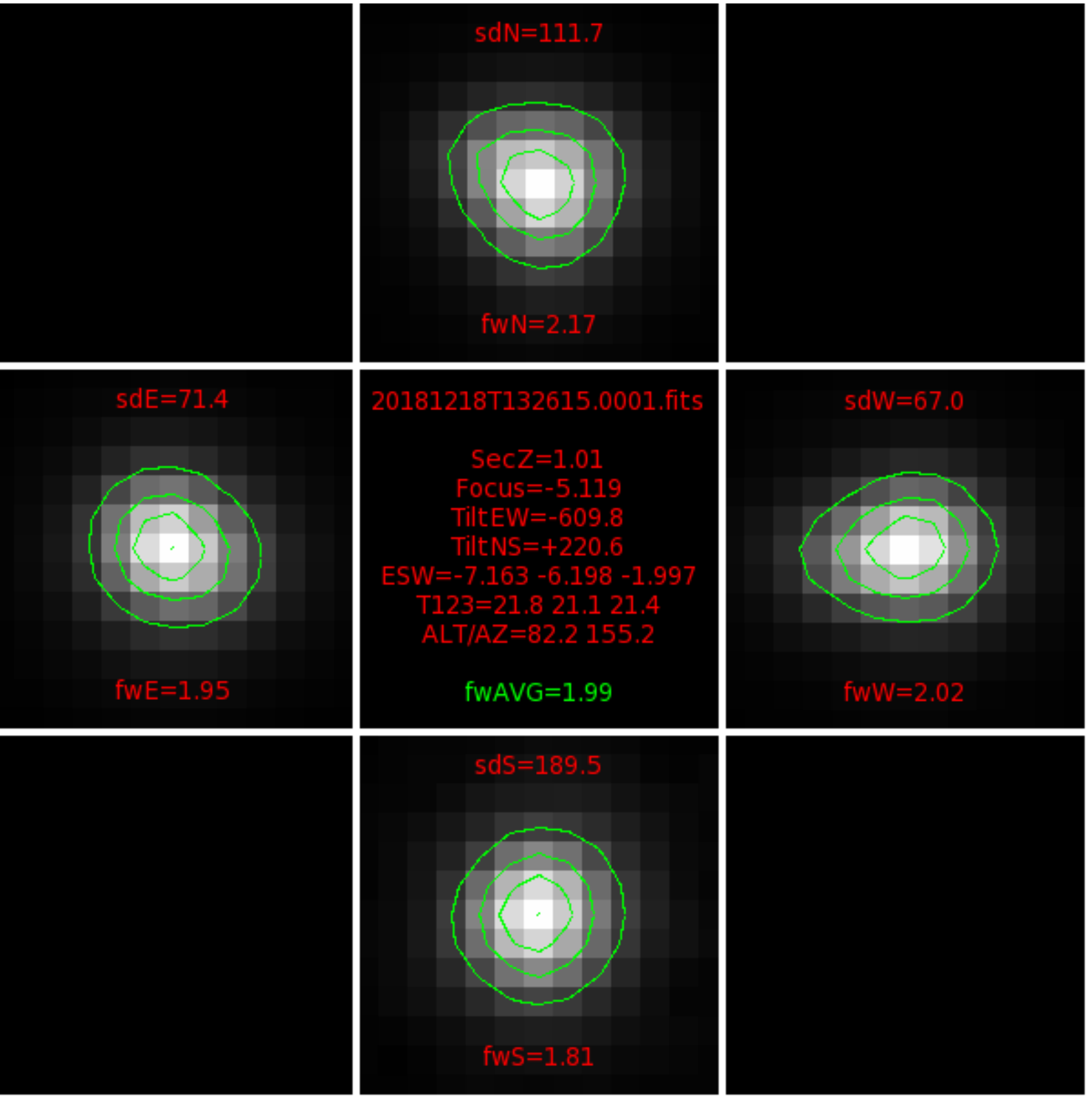
sdN=111.7
fwN=2.17
sdE=71.4
fwE=1.95
20181218T132615.0001.fits
SecZ=1.01
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.8 21.1 21.4
ALT/AZ=82.2 155.2
fwAVG=1.99
sdW=67.0
fwW=2.02
sdS=189.5
fwS=1.81
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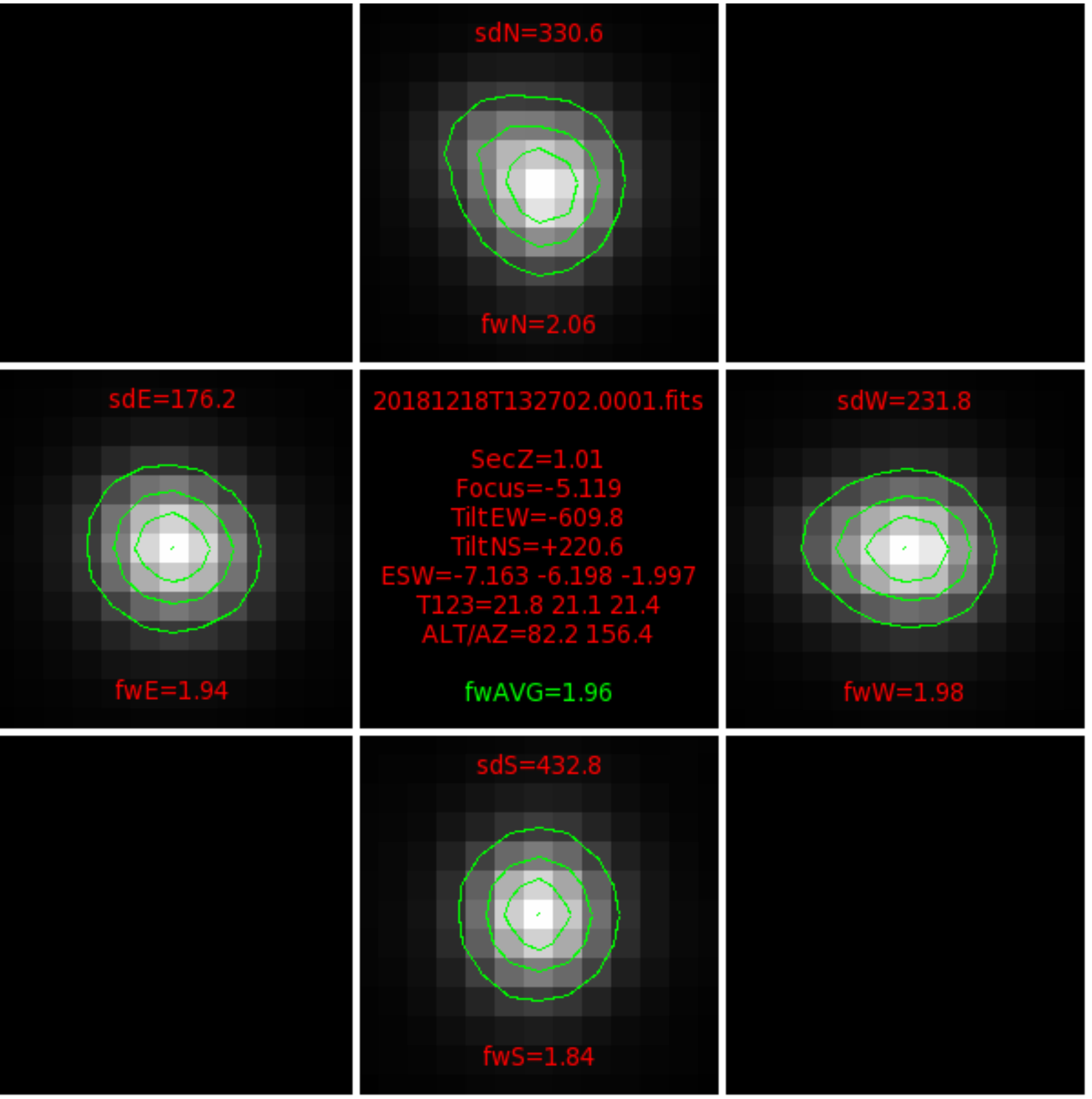
sdN=330.6
fwN=2.06
sdE=176.2
fwE=1.94
20181218T132702.0001.fits
SecZ=1.01
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.8 21.1 21.4
ALT/AZ=82.2 156.4
fwAVG=1.96
sdW=231.8
fwW=1.98
sdS=432.8
fwS=1.84
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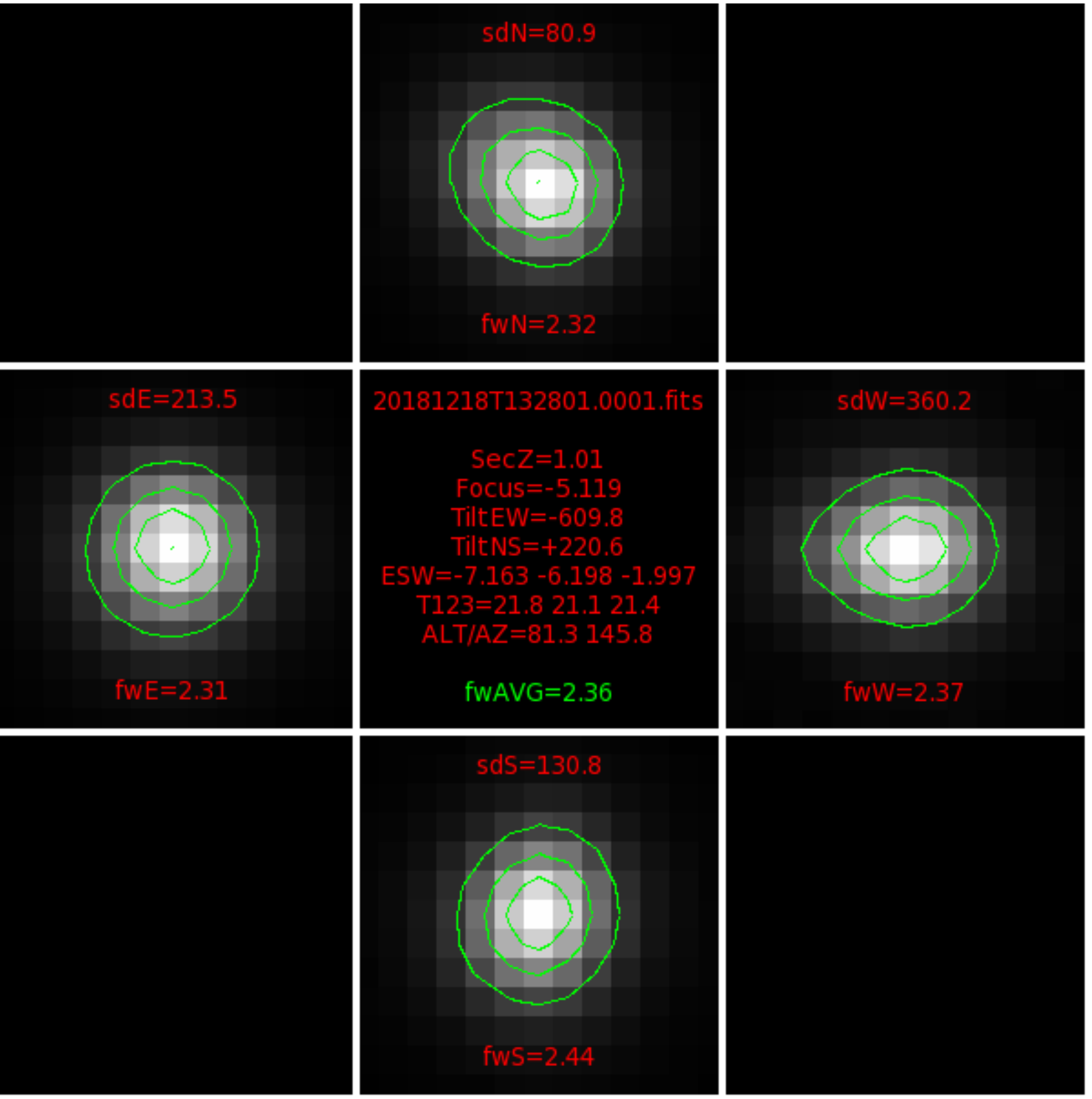
sdN=80.9
fwN=2.32
sdE=213.5
fwE=2.31
20181218T132801.0001.fits
SecZ=1.01
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.8 21.1 21.4
ALT/AZ=81.3 145.8
fwAVG=2.36
sdW=360.2
fwW=2.37
sdS=130.8
fwS=2.44
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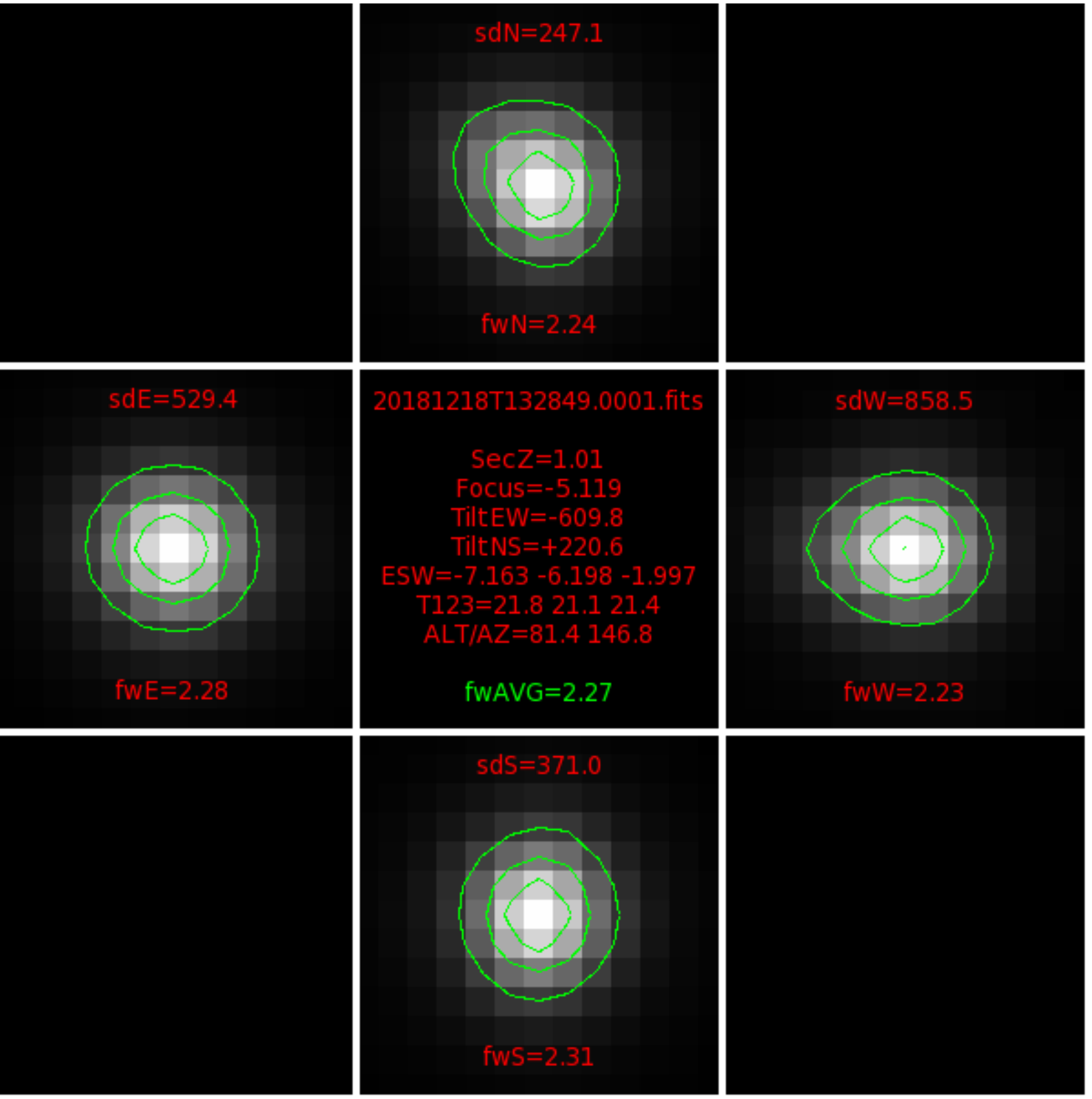
sdN=247.1
fwN=2.24
sdE=529.4
fwE=2.28
20181218T132849.0001.fits
SecZ=1.01
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.8 21.1 21.4
ALT/AZ=81.4 146.8
fwAVG=2.27
sdW=858.5
fwW=2.23
sdS=371.0
fwS=2.31
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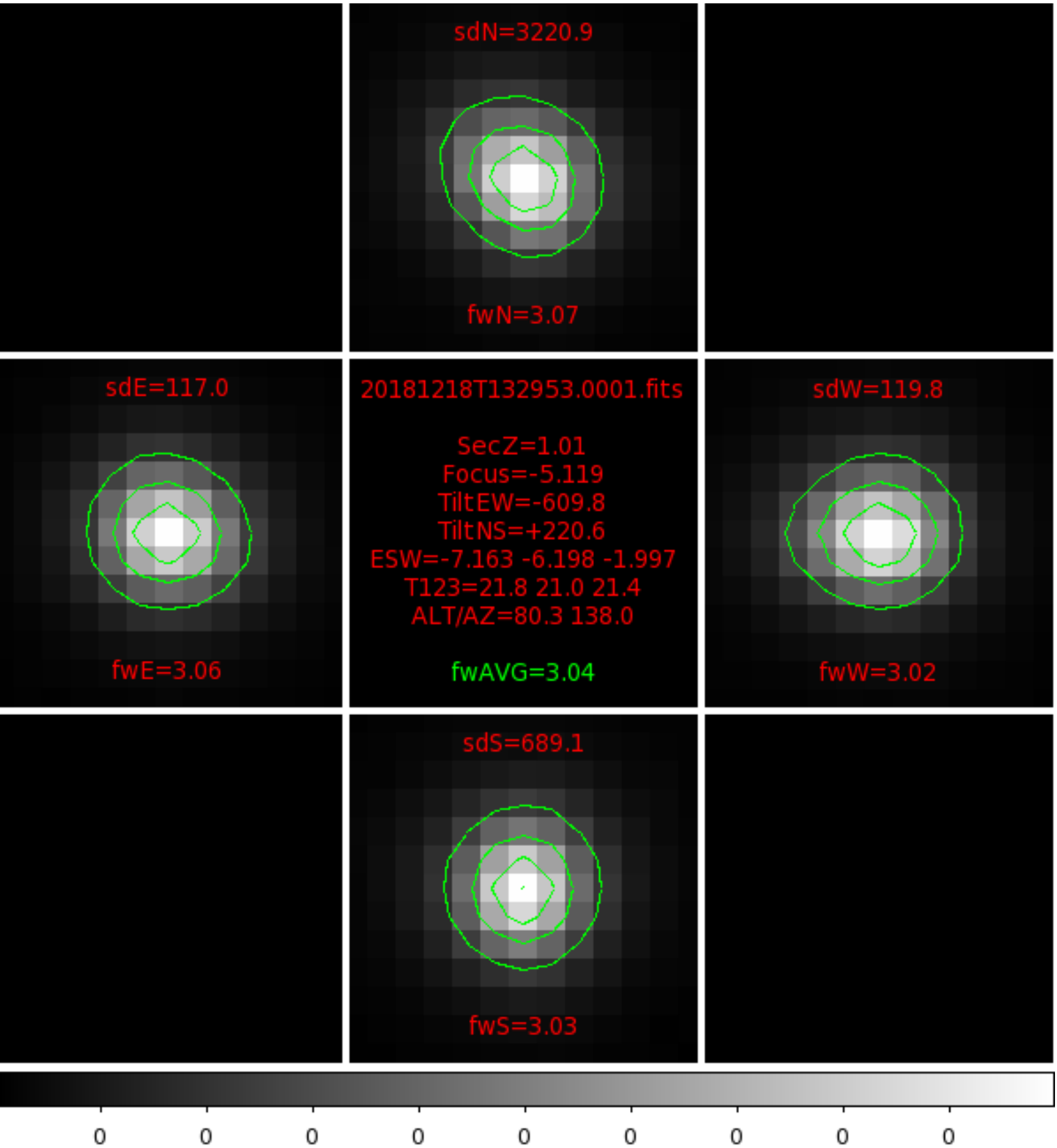
sdN=3220.9
fwN=3.07
sdE=117.0
fwE=3.06
20181218T132953.0001.fits
SecZ=1.01
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.8 21.0 21.4
ALT/AZ=80.3 138.0
fwAVG=3.04
sdW=119.8
fwW=3.02
sdS=689.1
fwS=3.03
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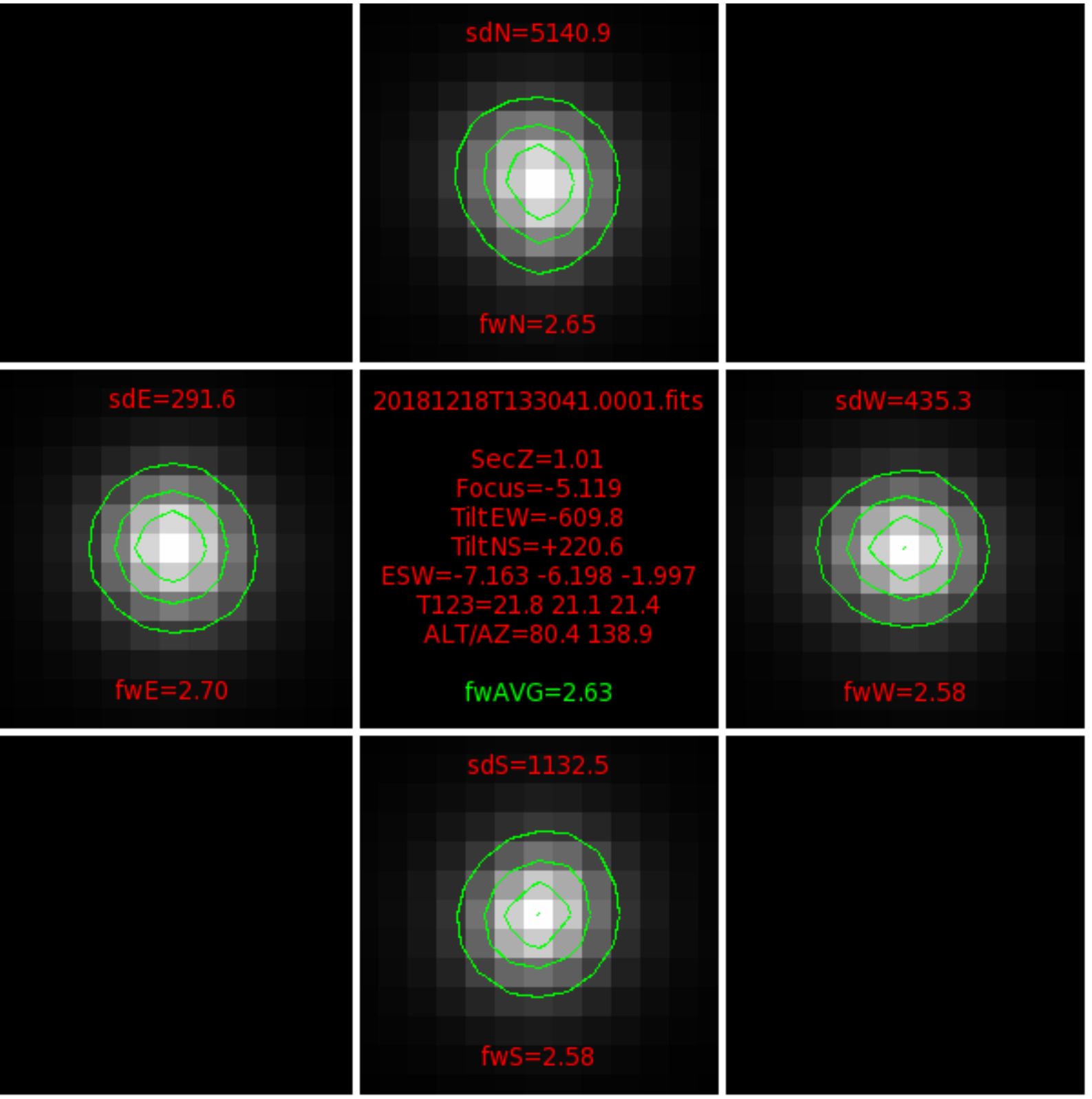
sdN=5140.9
fwN=2.65
sdE=291.6
fwE=2.70
20181218T133041.0001.fits
SecZ=1.01
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.8 21.1 21.4
ALT/AZ=80.4 138.9
fwAVG=2.63
sdW=435.3
fwW=2.58
sdS=1132.5
fwS=2.58
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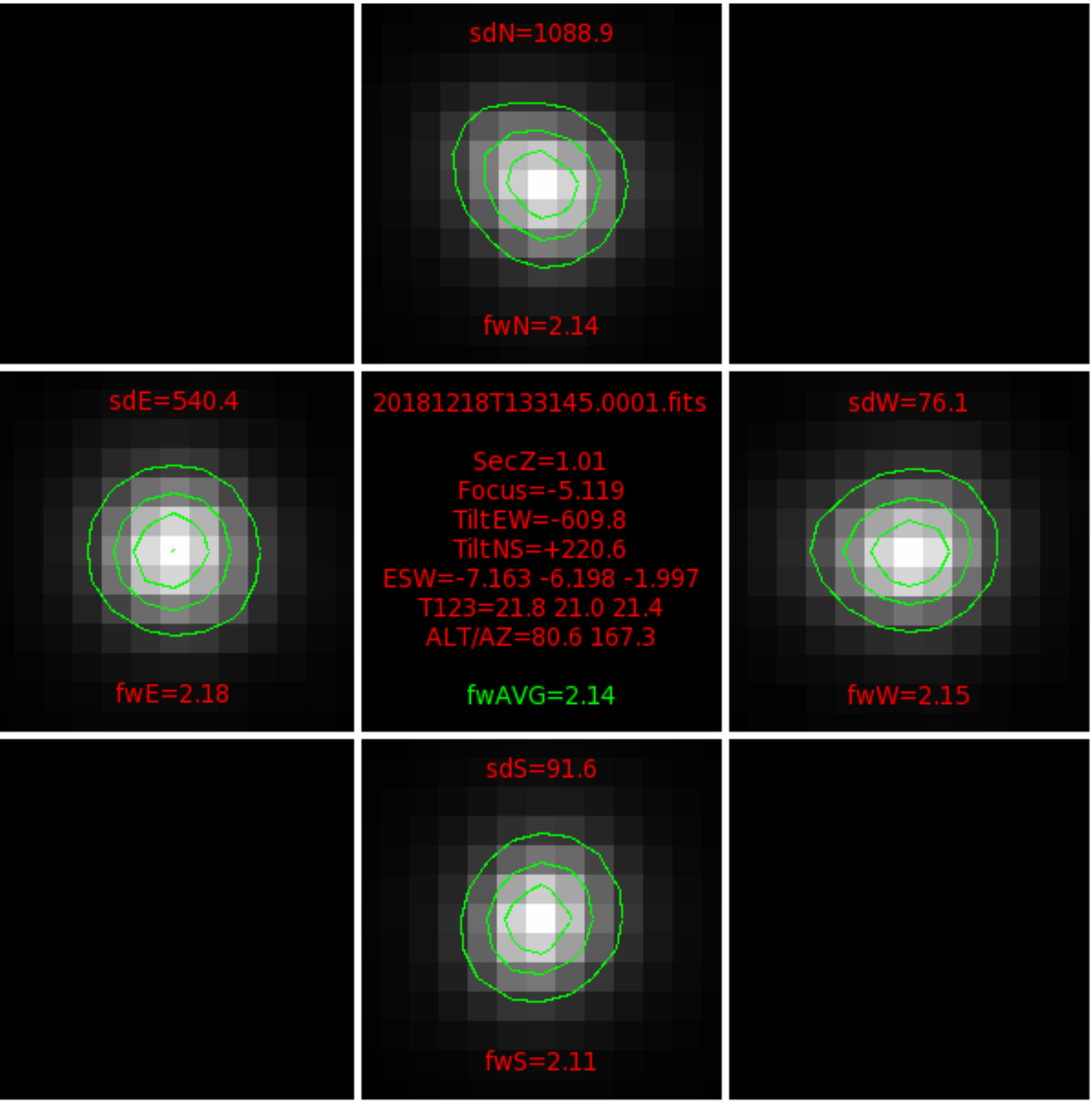
sdN=1088.9
fwN=2.14
sdE=540.4
fwE=2.18
20181218T133145.0001.fits
SecZ=1.01
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.8 21.0 21.4
ALT/AZ=80.6 167.3
fwAVG=2.14
sdW=76.1
fwW=2.15
sdS=91.6
fwS=2.11
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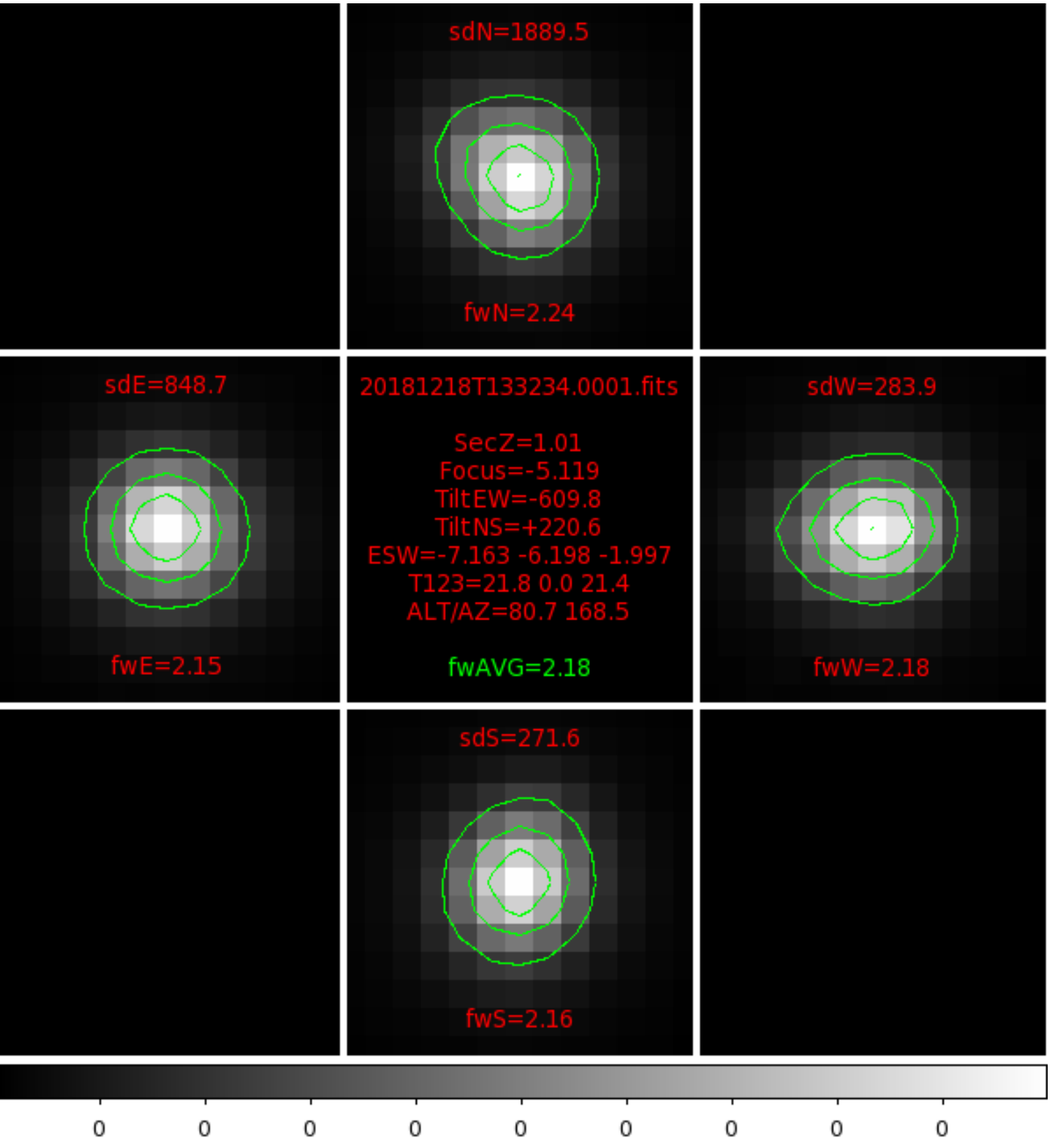
sdN=1889.5
fwN=2.24
sdE=848.7
fwE=2.15
20181218T133234.0001.fits
SecZ=1.01
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.8 0.0 21.4
ALT/AZ=80.7 168.5
fwAVG=2.18
sdW=283.9
fwW=2.18
sdS=271.6
fwS=2.16
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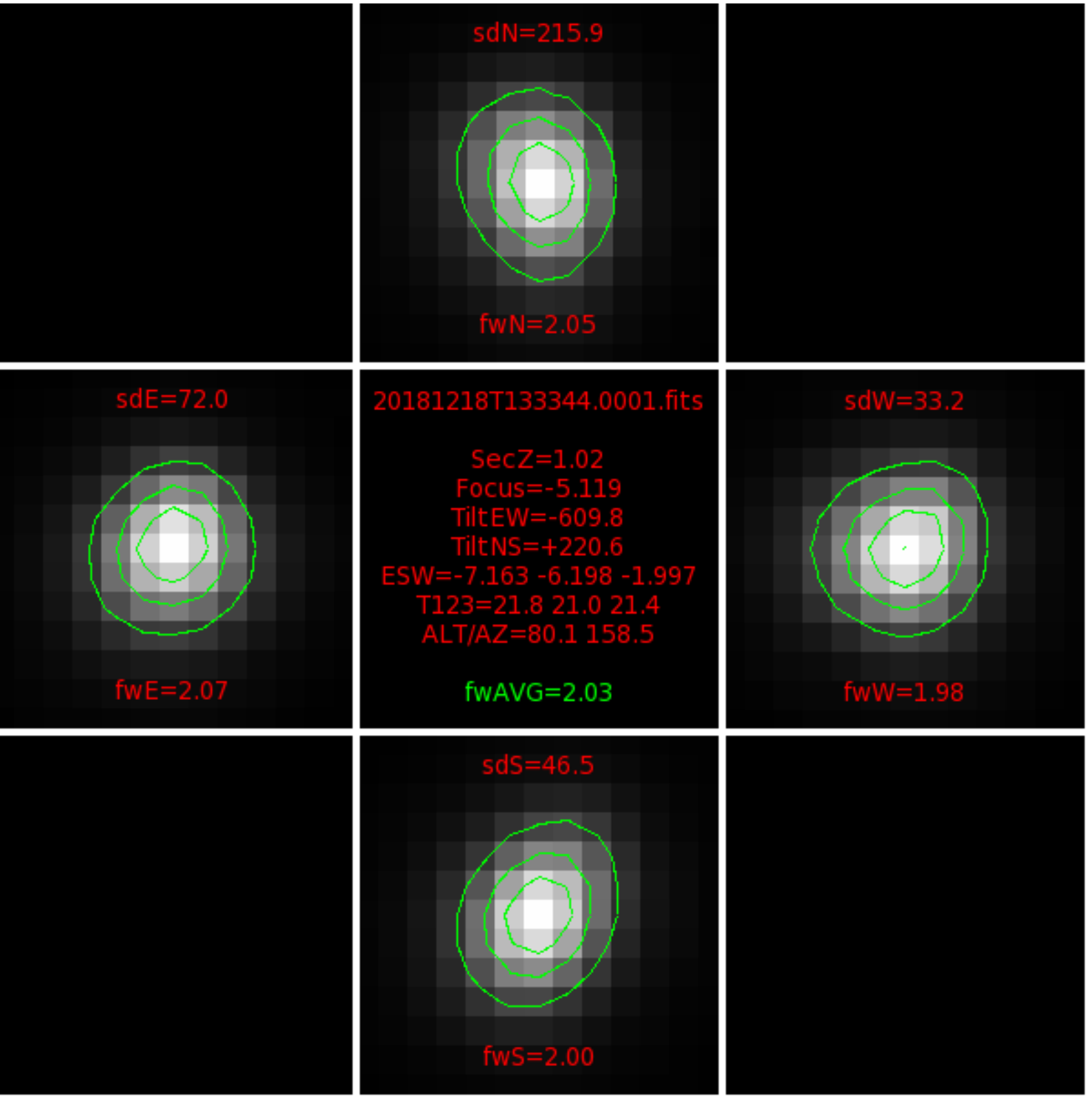
sdN=215.9
fwN=2.05
sdE=72.0
fwE=2.07
20181218T133344.0001.fits
SecZ=1.02
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.8 21.0 21.4
ALT/AZ=80.1 158.5
fwAVG=2.03
sdW=33.2
fwW=1.98
sdS=46.5
fwS=2.00
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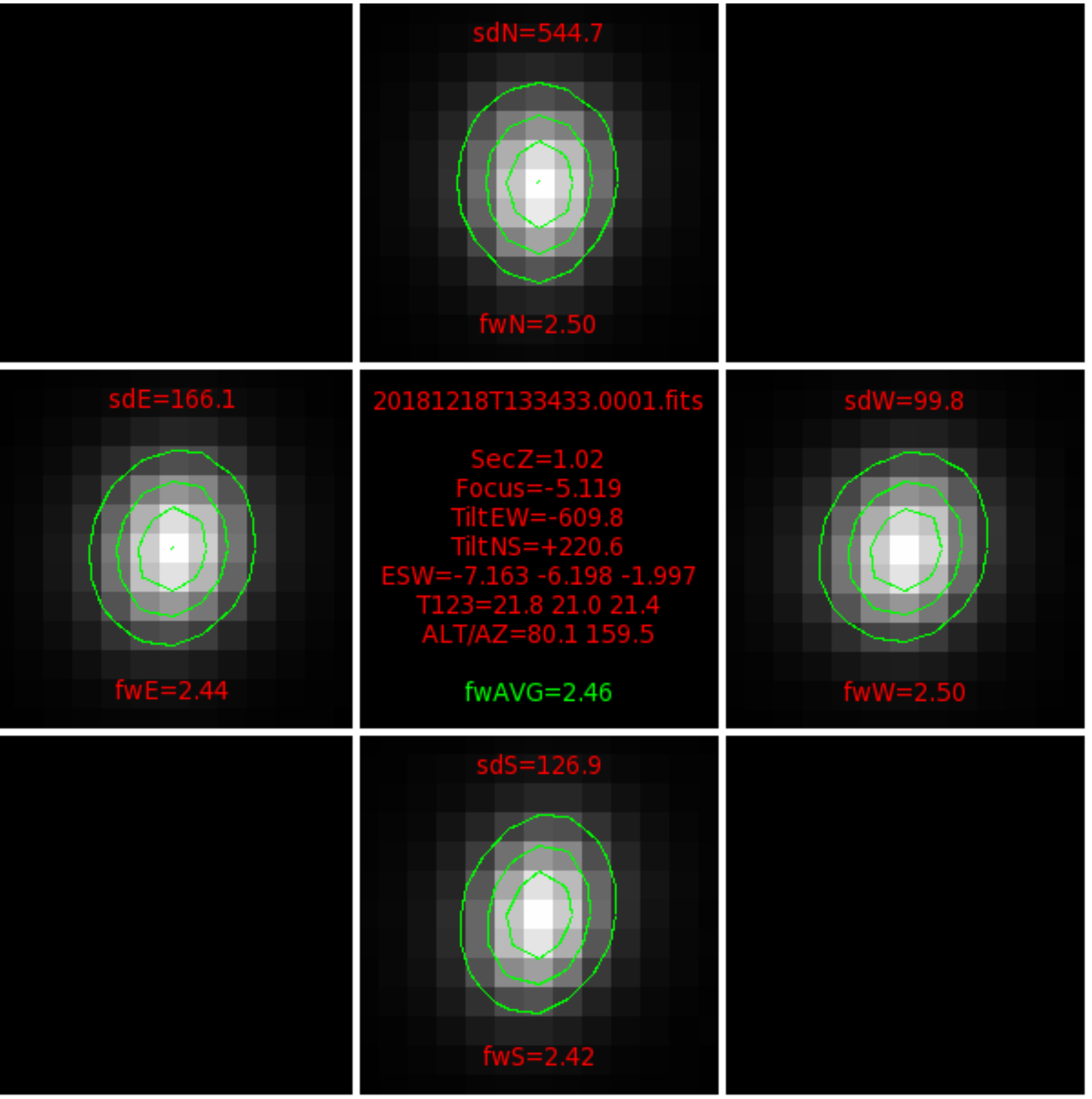
sdN=544.7
fwN=2.50
sdE=166.1
fwE=2.44
20181218T133433.0001.fits
SecZ=1.02
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.8 21.0 21.4
ALT/AZ=80.1 159.5
fwAVG=2.46
sdW=99.8
fwW=2.50
sdS=126.9
fwS=2.42
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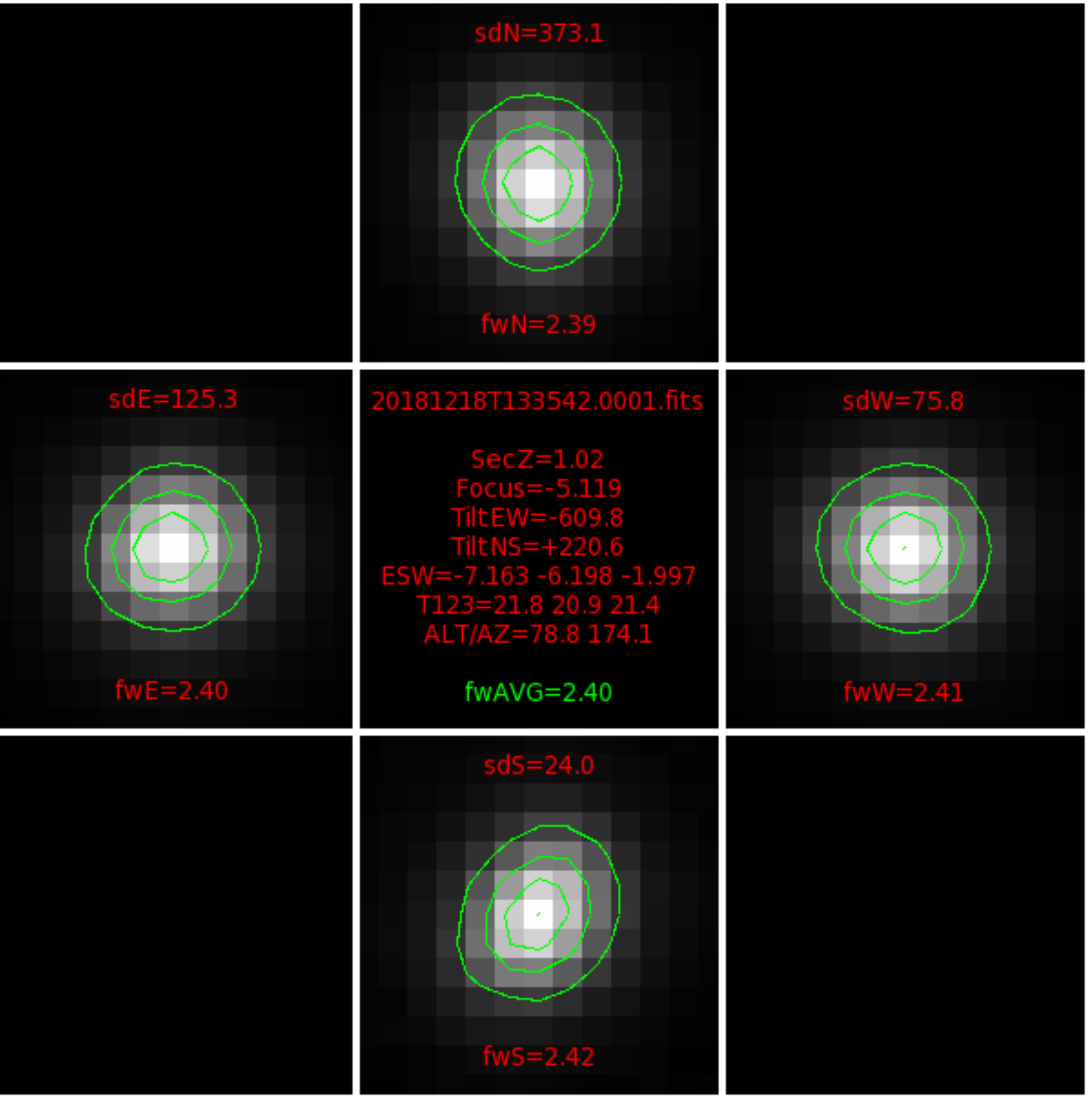
sdN=373.1
fwN=2.39
sdE=125.3
fwE=2.40
20181218T133542.0001.fits
SecZ=1.02
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.8 20.9 21.4
ALT/AZ=78.8 174.1
fwAVG=2.40
sdW=75.8
fwW=2.41
sdS=24.0
fwS=2.42
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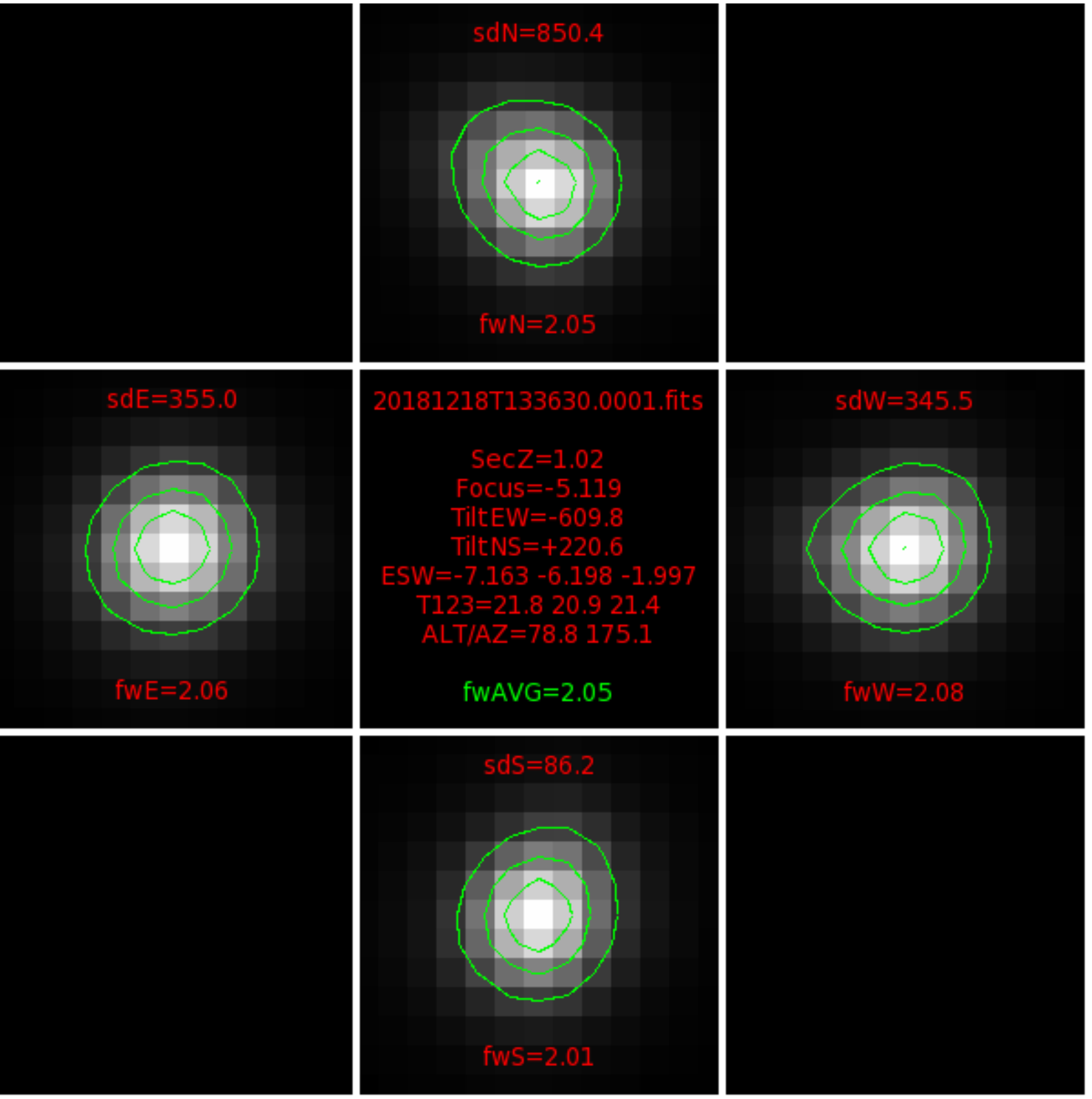
sdN=850.4
fwN=2.05
sdE=355.0
fwE=2.06
20181218T133630.0001.fits
SecZ=1.02
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.8 20.9 21.4
ALT/AZ=78.8 175.1
fwAVG=2.05
sdW=345.5
fwW=2.08
sdS=86.2
fwS=2.01
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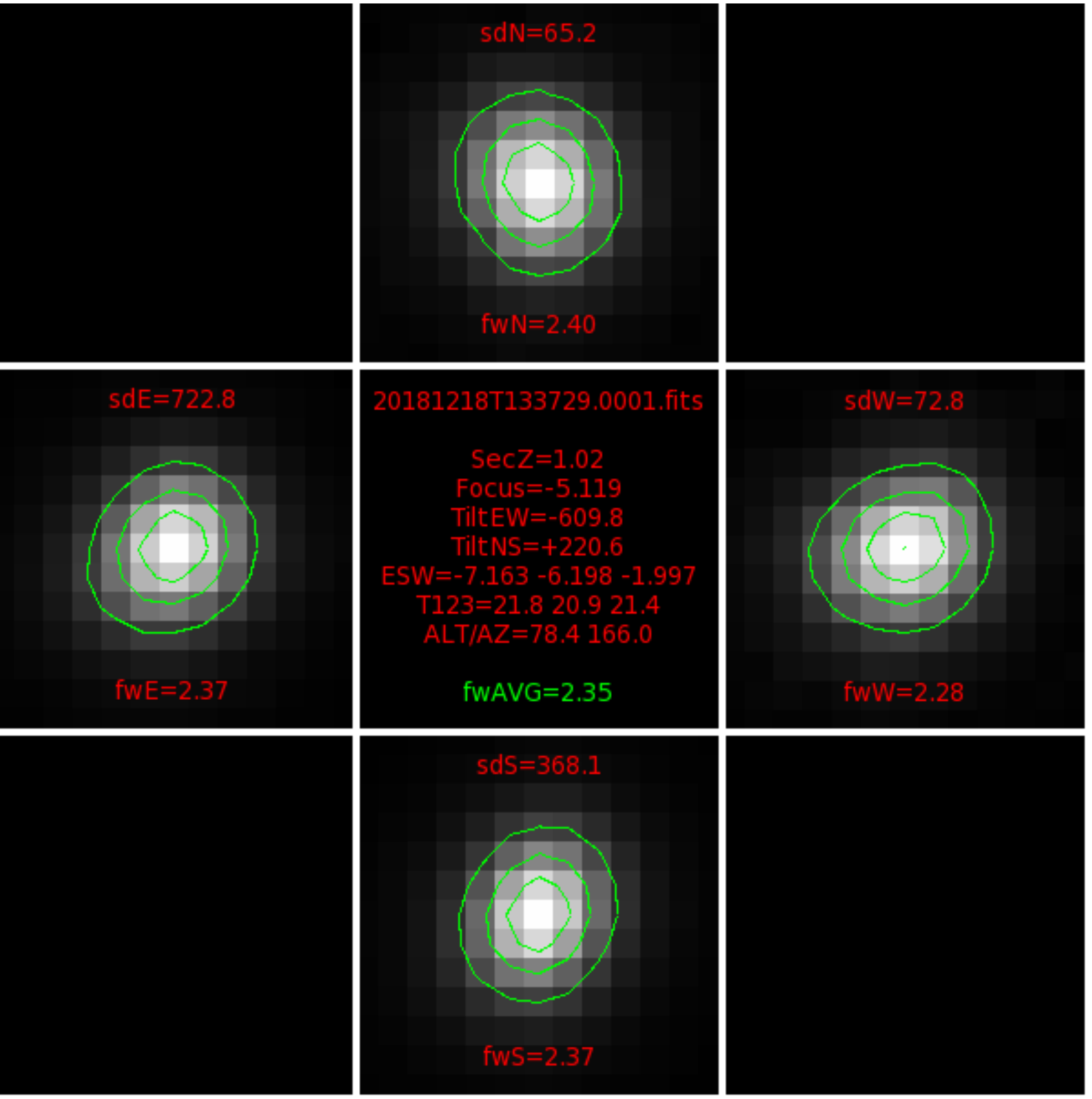
sdN=65.2
fwN=2.40
sdE=722.8
fwE=2.37
20181218T133729.0001.fits
SecZ=1.02
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.8 20.9 21.4
ALT/AZ=78.4 166.0
fwAVG=2.35
sdW=72.8
fwW=2.28
sdS=368.1
fwS=2.37
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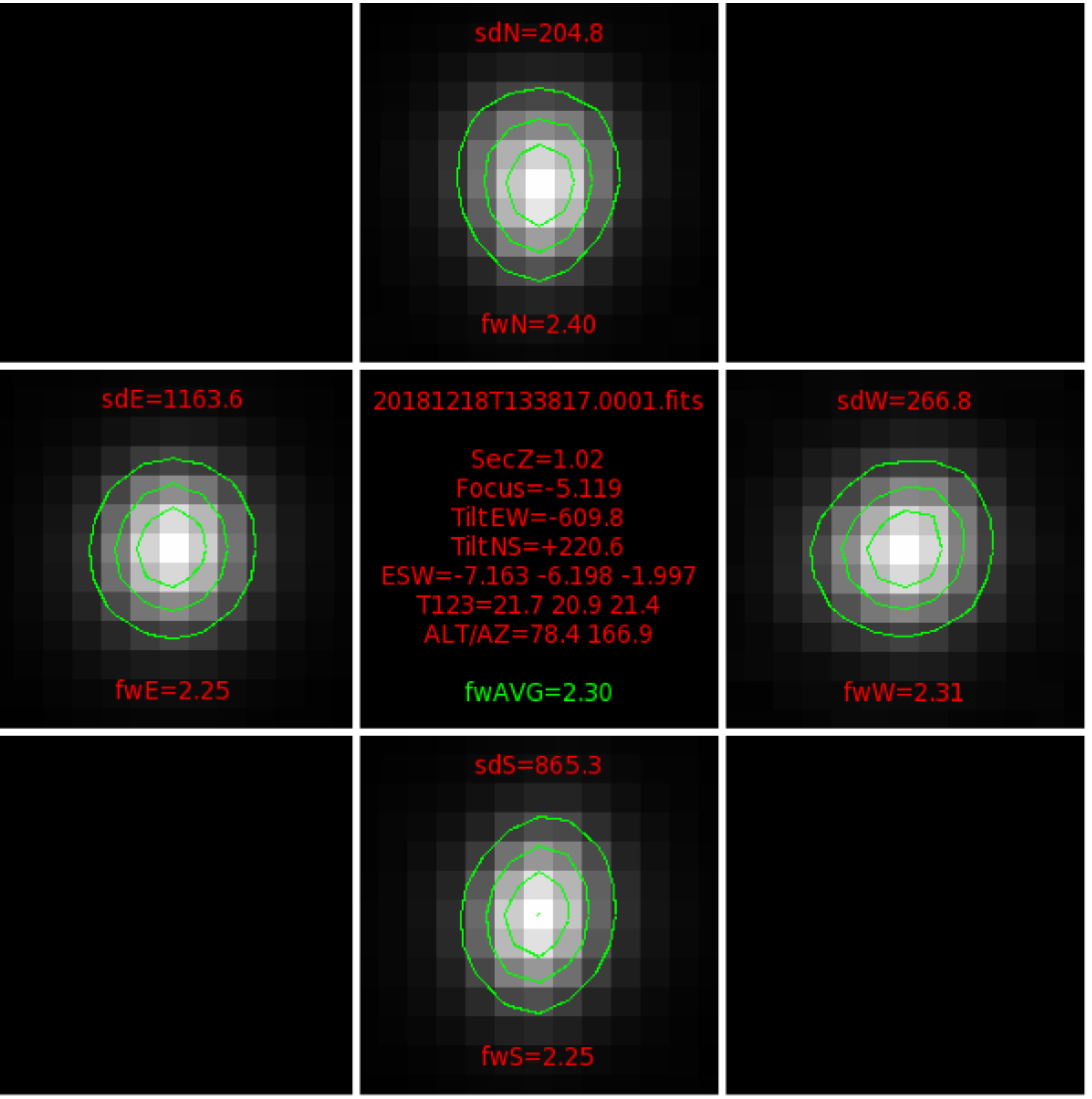
sdN=204.8
fwN=2.40
sdE=1163.6
fwE=2.25
20181218T133817.0001.fits
SecZ=1.02
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.7 20.9 21.4
ALT/AZ=78.4 166.9
fwAVG=2.30
sdW=266.8
fwW=2.31
sdS=865.3
fwS=2.25
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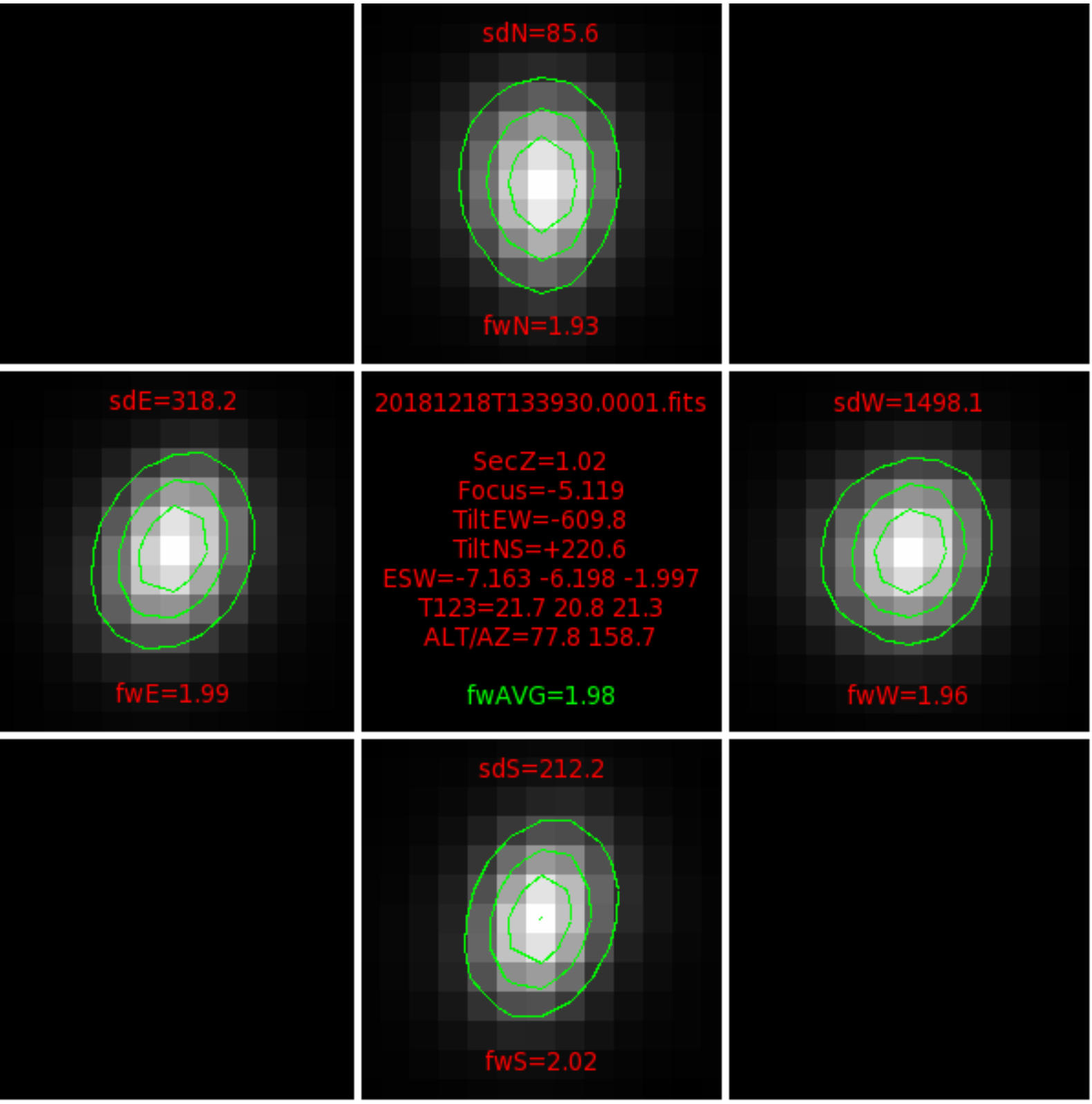
sdN=85.6
fwN=1.93
sdE=318.2
fwE=1.99
20181218T133930.0001.fits
SecZ=1.02
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.7 20.8 21.3
ALT/AZ=77.8 158.7
fwAVG=1.98
sdW=1498.1
fwW=1.96
sdS=212.2
fwS=2.02
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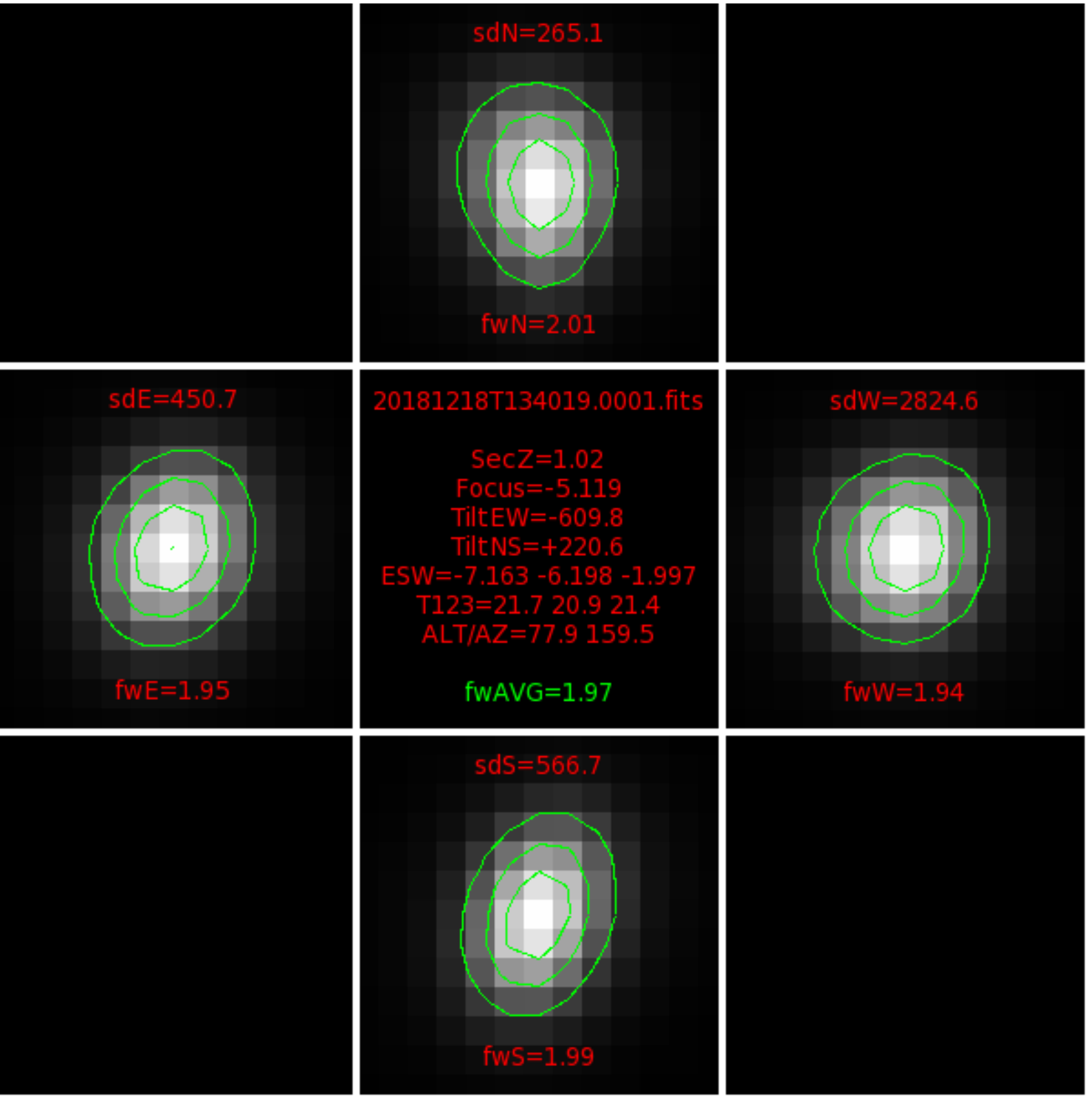
sdN=265.1
fwN=2.01
sdE=450.7
fwE=1.95
20181218T134019.0001.fits
SecZ=1.02
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.7 20.9 21.4
ALT/AZ=77.9 159.5
fwAVG=1.97
sdW=2824.6
fwW=1.94
sdS=566.7
fwS=1.99
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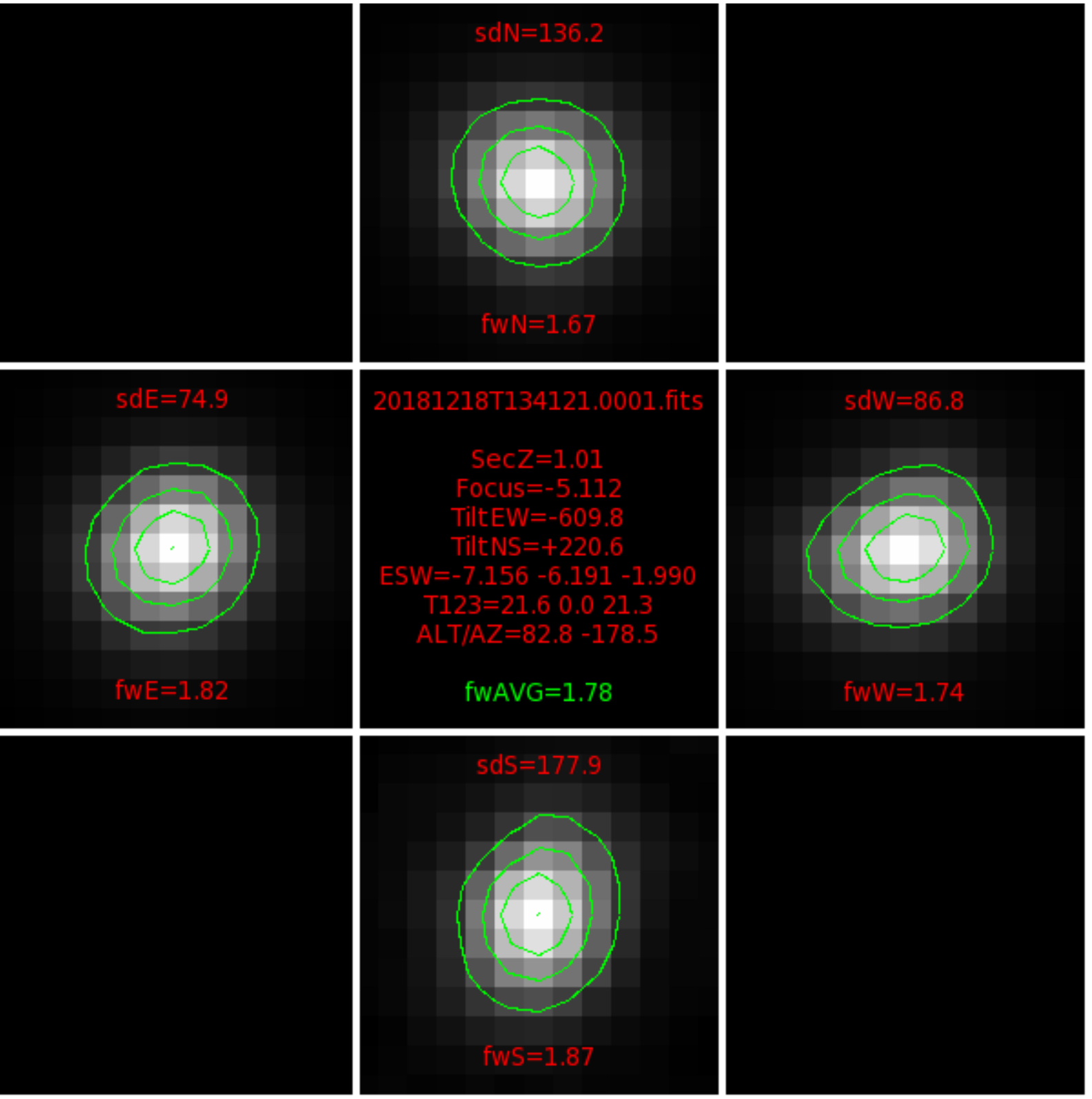
sdN=136.2
fwN=1.67
sdE=74.9
fwE=1.82
20181218T134121.0001.fits
SecZ=1.01
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.6 0.0 21.3
ALT/AZ=82.8 -178.5
fwAVG=1.78
sdW=86.8
fwW=1.74
sdS=177.9
fwS=1.87
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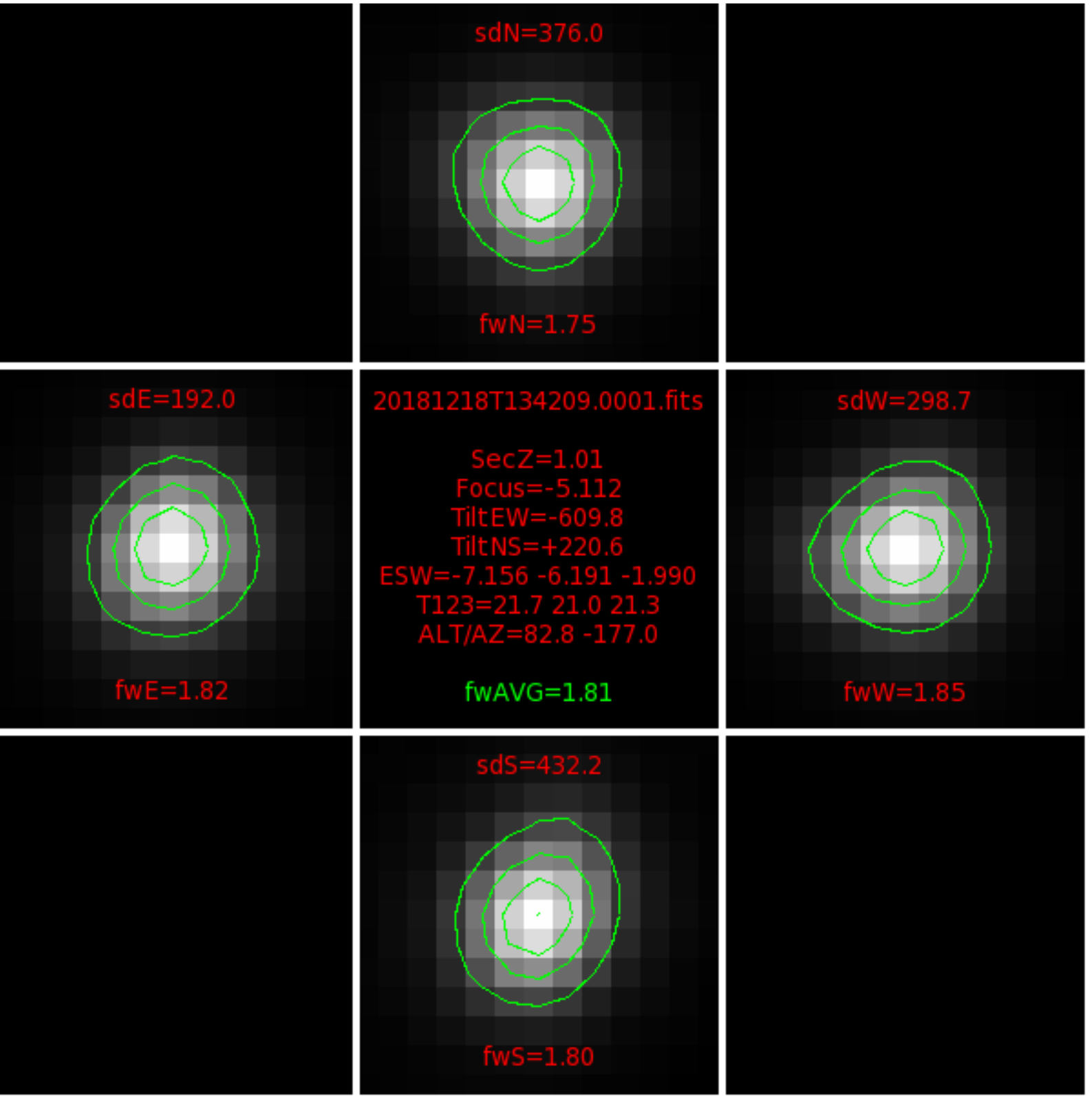
sdN=376.0
fwN=1.75
sdE=192.0
fwE=1.82
20181218T134209.0001.fits
SecZ=1.01
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.7 21.0 21.3
ALT/AZ=82.8 -177.0
fwAVG=1.81
sdW=298.7
fwW=1.85
sdS=432.2
fwS=1.80
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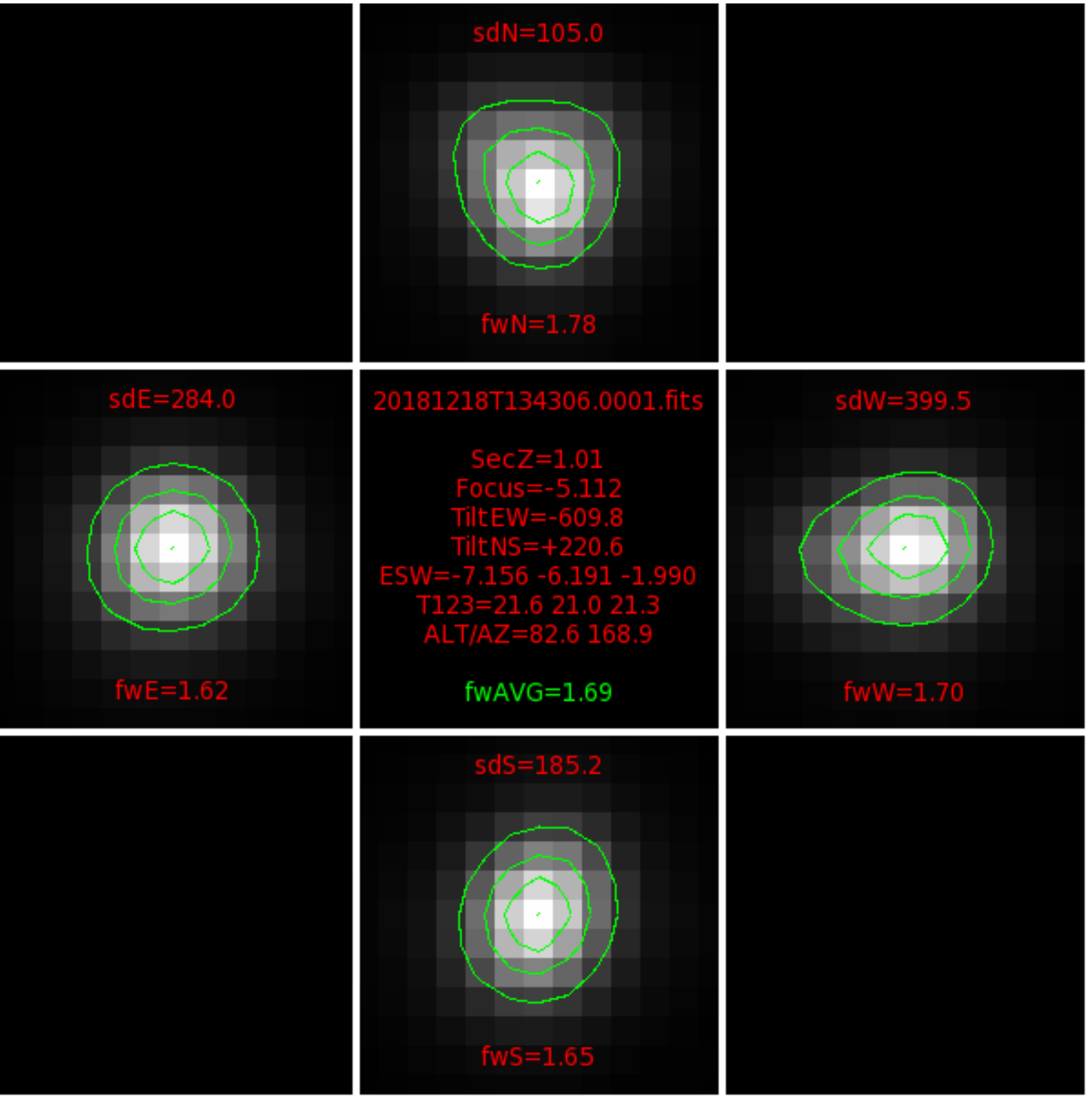
sdN=105.0
fwN=1.78
sdE=284.0
fwE=1.62
20181218T134306.0001.fits
SecZ=1.01
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.6 21.0 21.3
ALT/AZ=82.6 168.9
fwAVG=1.69
sdW=399.5
fwW=1.70
sdS=185.2
fwS=1.65
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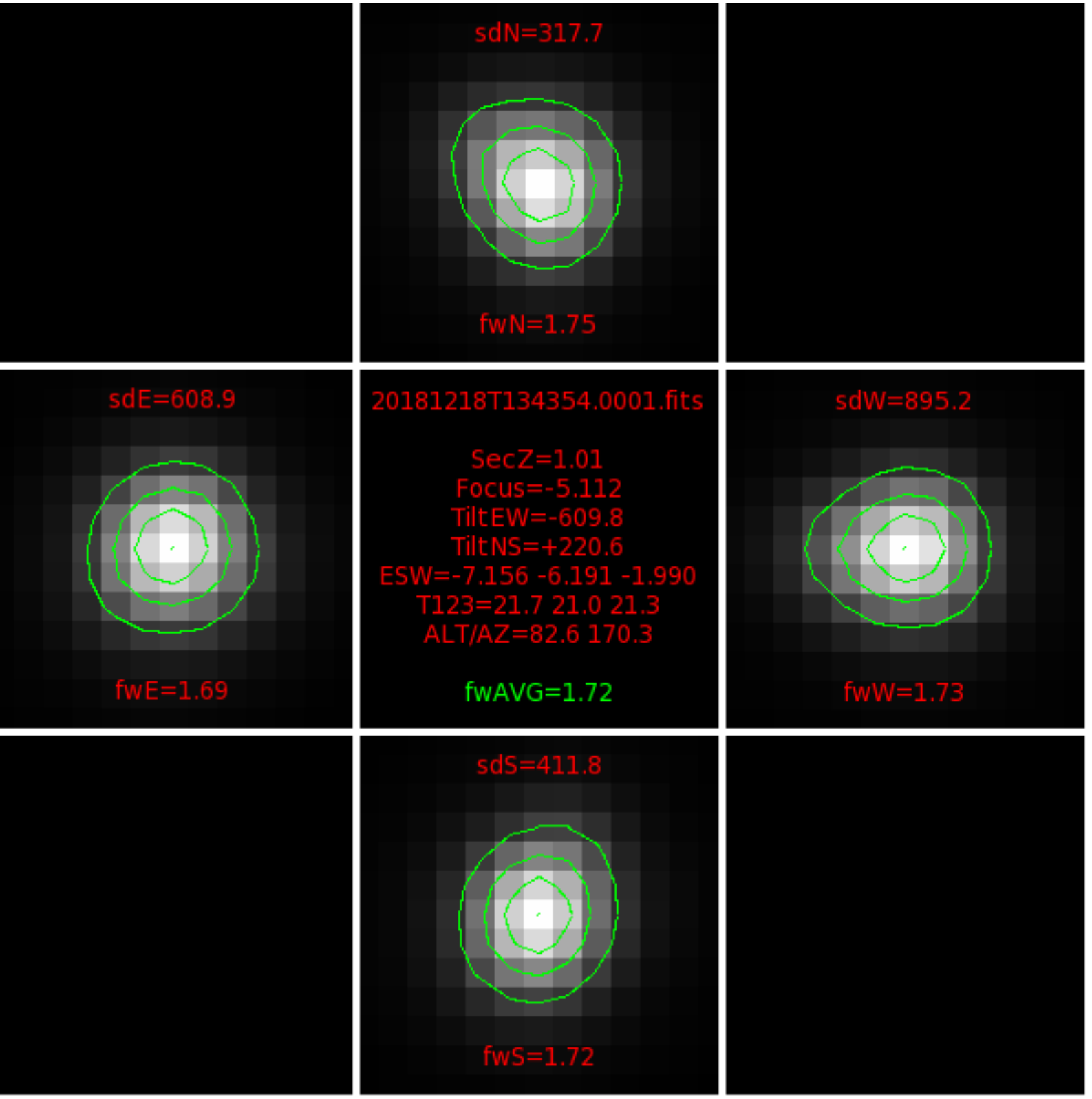
sdN=317.7
fwN=1.75
sdE=608.9
fwE=1.69
20181218T134354.0001.fits
SecZ=1.01
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.7 21.0 21.3
ALT/AZ=82.6 170.3
fwAVG=1.72
sdW=895.2
fwW=1.73
sdS=411.8
fwS=1.72
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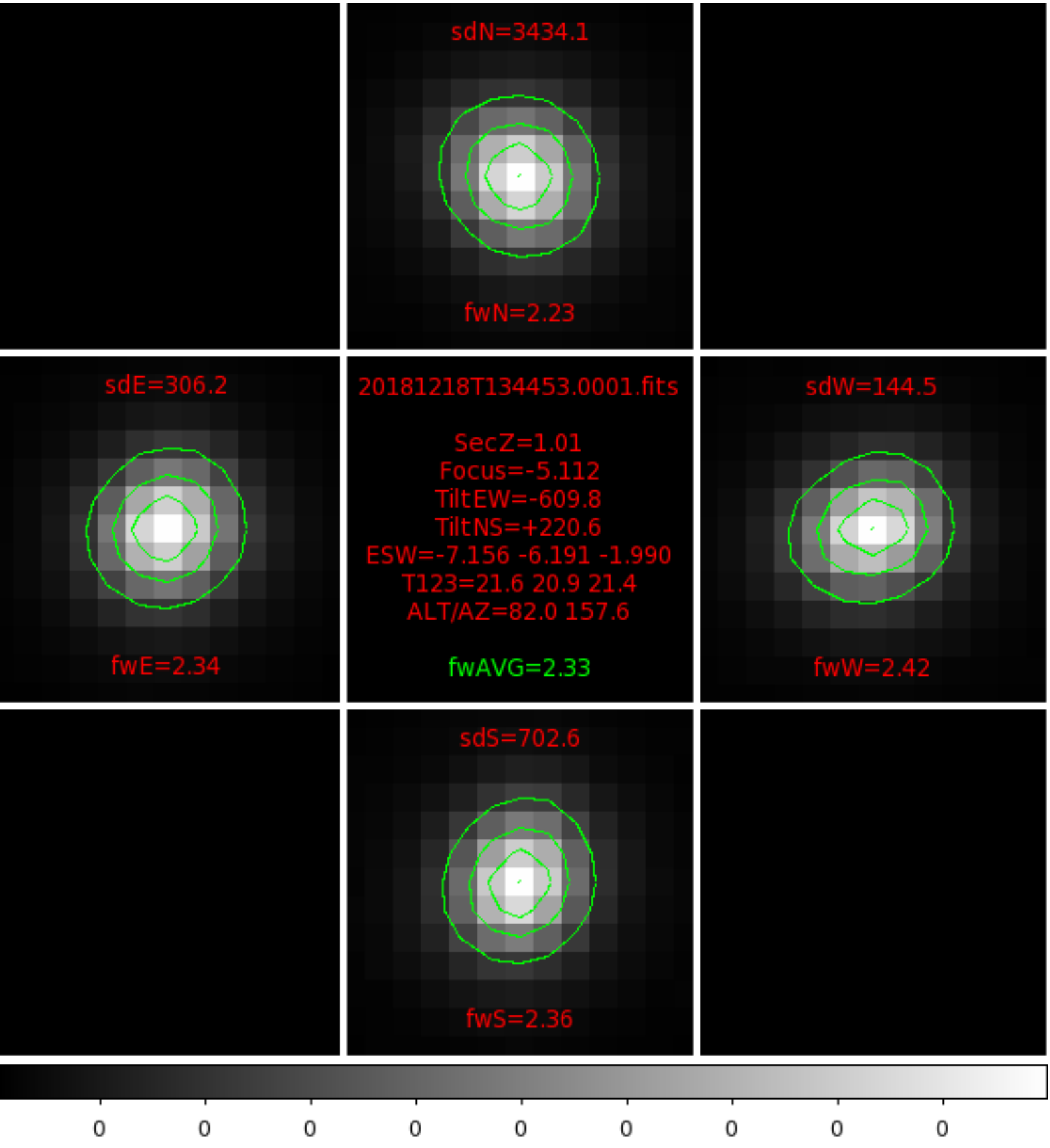
sdN=3434.1
fwN=2.23
sdE=306.2
fwE=2.34
20181218T134453.0001.fits
SecZ=1.01
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.6 20.9 21.4
ALT/AZ=82.0 157.6
fwAVG=2.33
sdW=144.5
fwW=2.42
sdS=702.6
fwS=2.36
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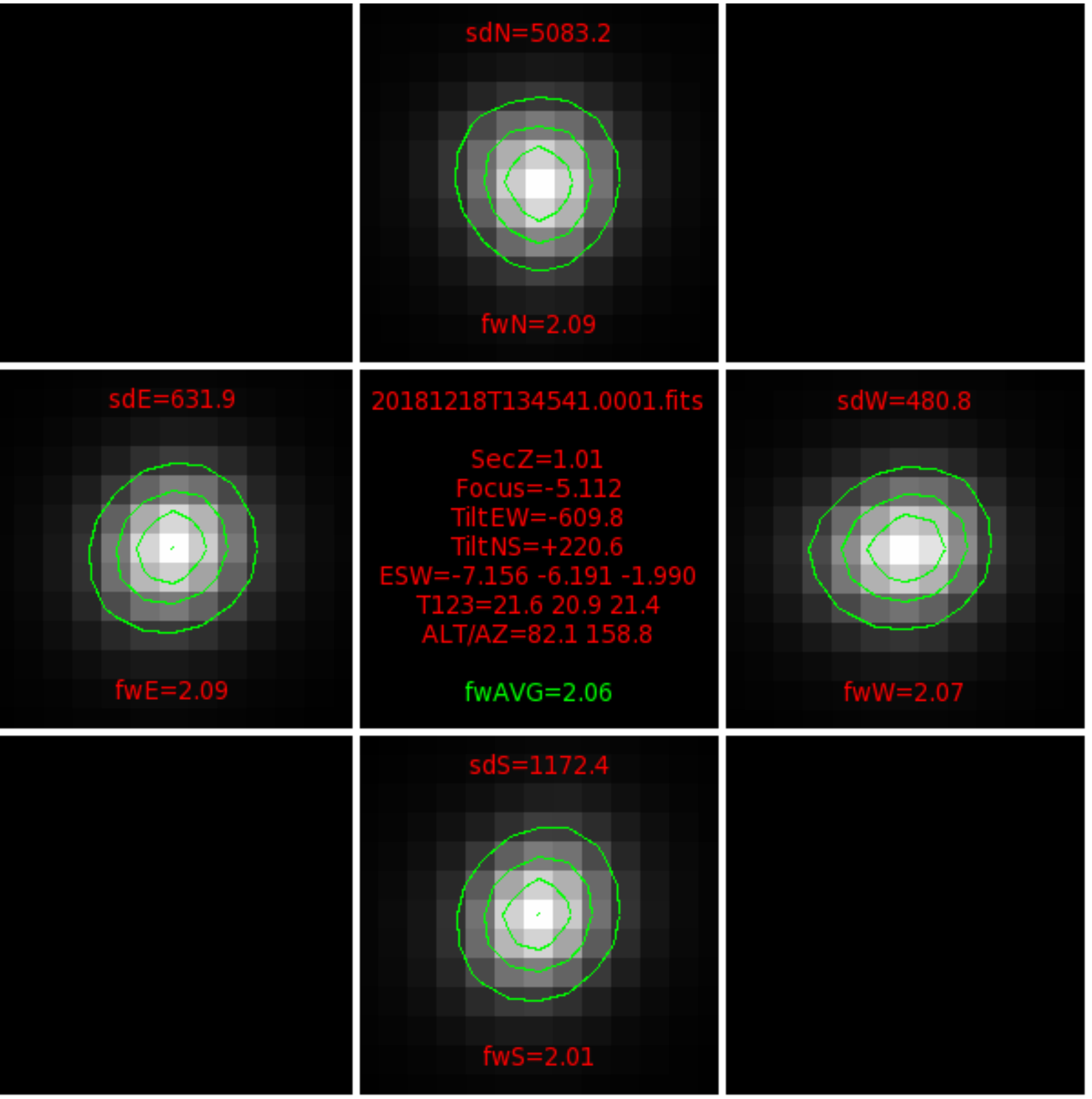
sdN=5083.2
fwN=2.09
sdE=631.9
fwE=2.09
20181218T134541.0001.fits
SecZ=1.01
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.6 20.9 21.4
ALT/AZ=82.1 158.8
fwAVG=2.06
sdW=480.8
fwW=2.07
sdS=1172.4
fwS=2.01
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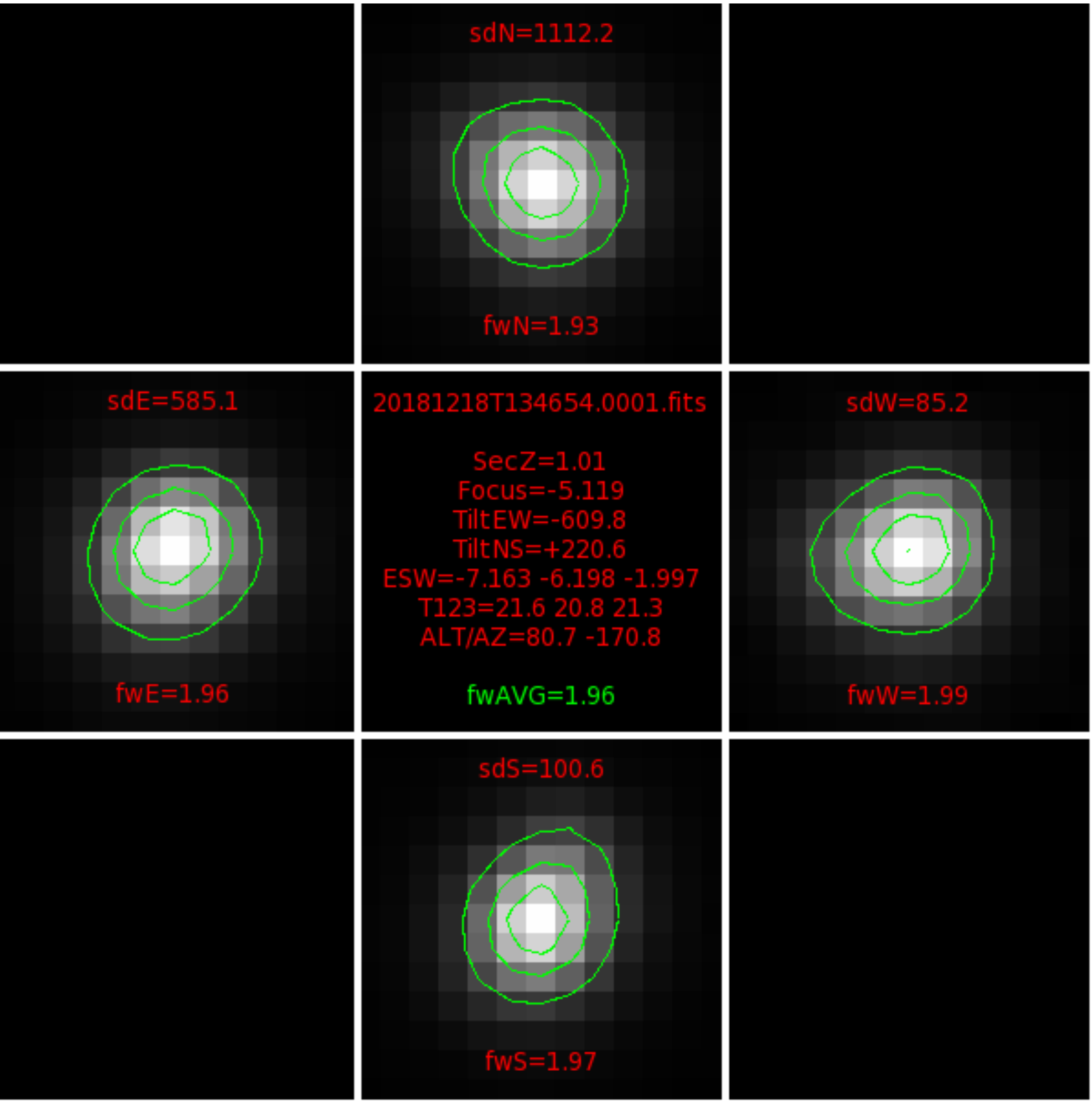
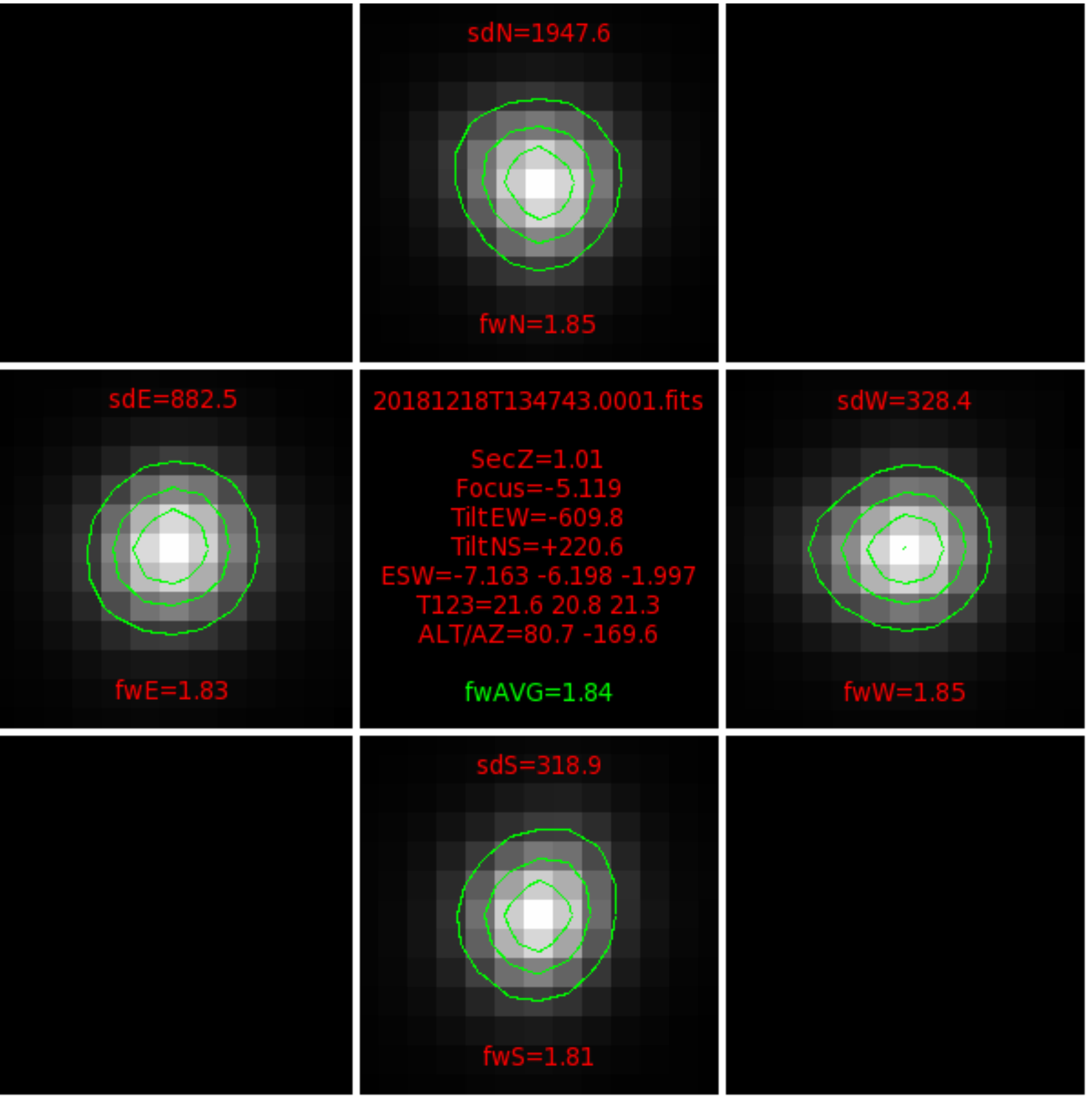
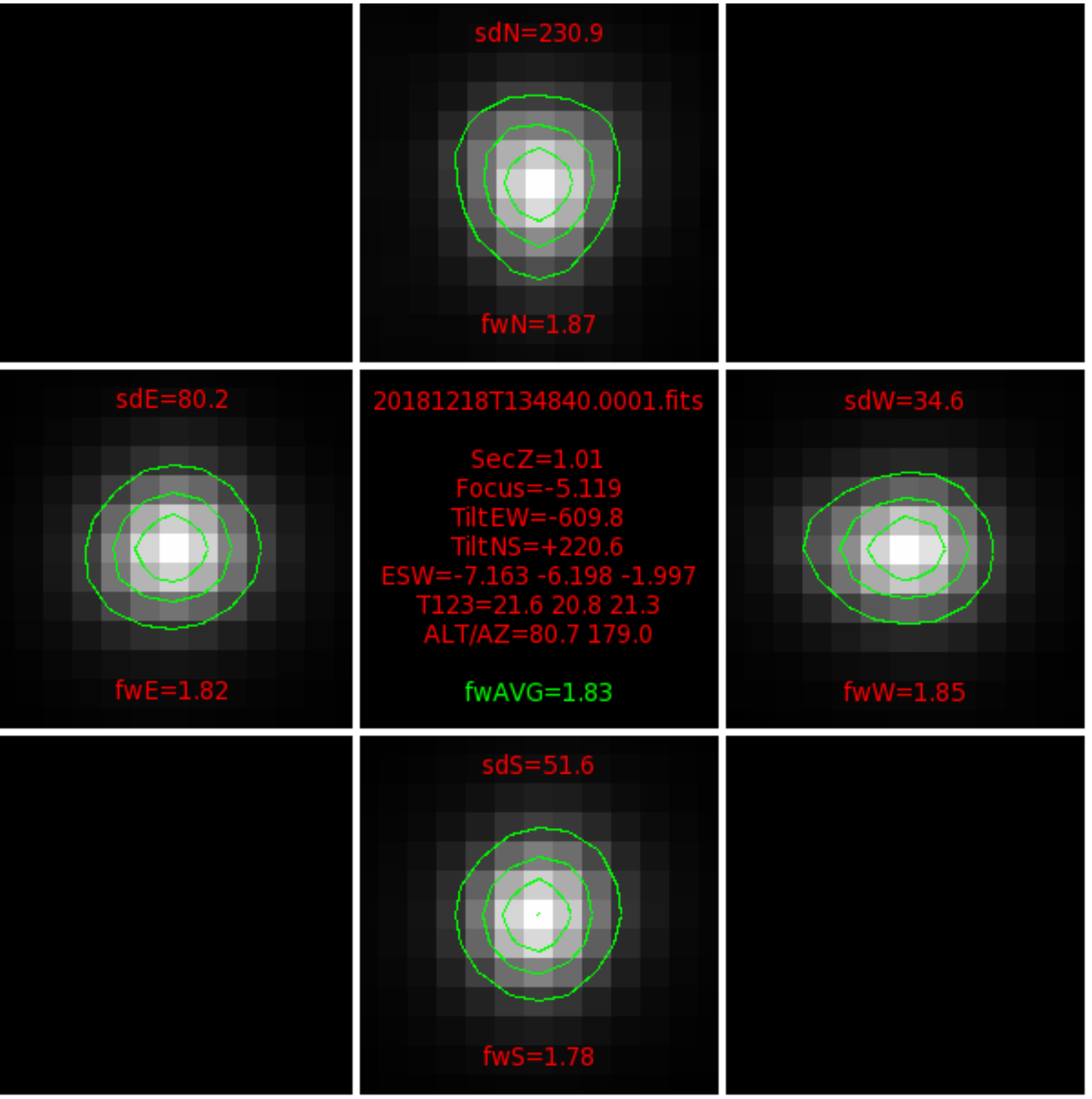

sdN=1112.2
fwN=1.93
sdE=585.1
fwE=1.96
20181218T134654.0001.fits
SecZ=1.01
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.6 20.8 21.3
ALT/AZ=80.7 -170.8
fwAVG=1.96
sdW=85.2
fwW=1.99
sdS=100.6
fwS=1.97
0 0 0 0 0 0 0 0 0


sdN=1947.6
fwN=1.85
sdE=882.5
fwE=1.83
20181218T134743.0001.fits
SecZ=1.01
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.6 20.8 21.3
ALT/AZ=80.7 -169.6
fwAVG=1.84
sdW=328.4
fwW=1.85
sdS=318.9
fwS=1.81
0 0 0 0 0 0 0 0 0


sdN=230.9
fwN=1.87
sdE=80.2
fwE=1.82
20181218T134840.0001.fits
SecZ=1.01
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.6 20.8 21.3
ALT/AZ=80.7 179.0
fwAVG=1.83
sdW=34.6
fwW=1.85
sdS=51.6
fwS=1.78
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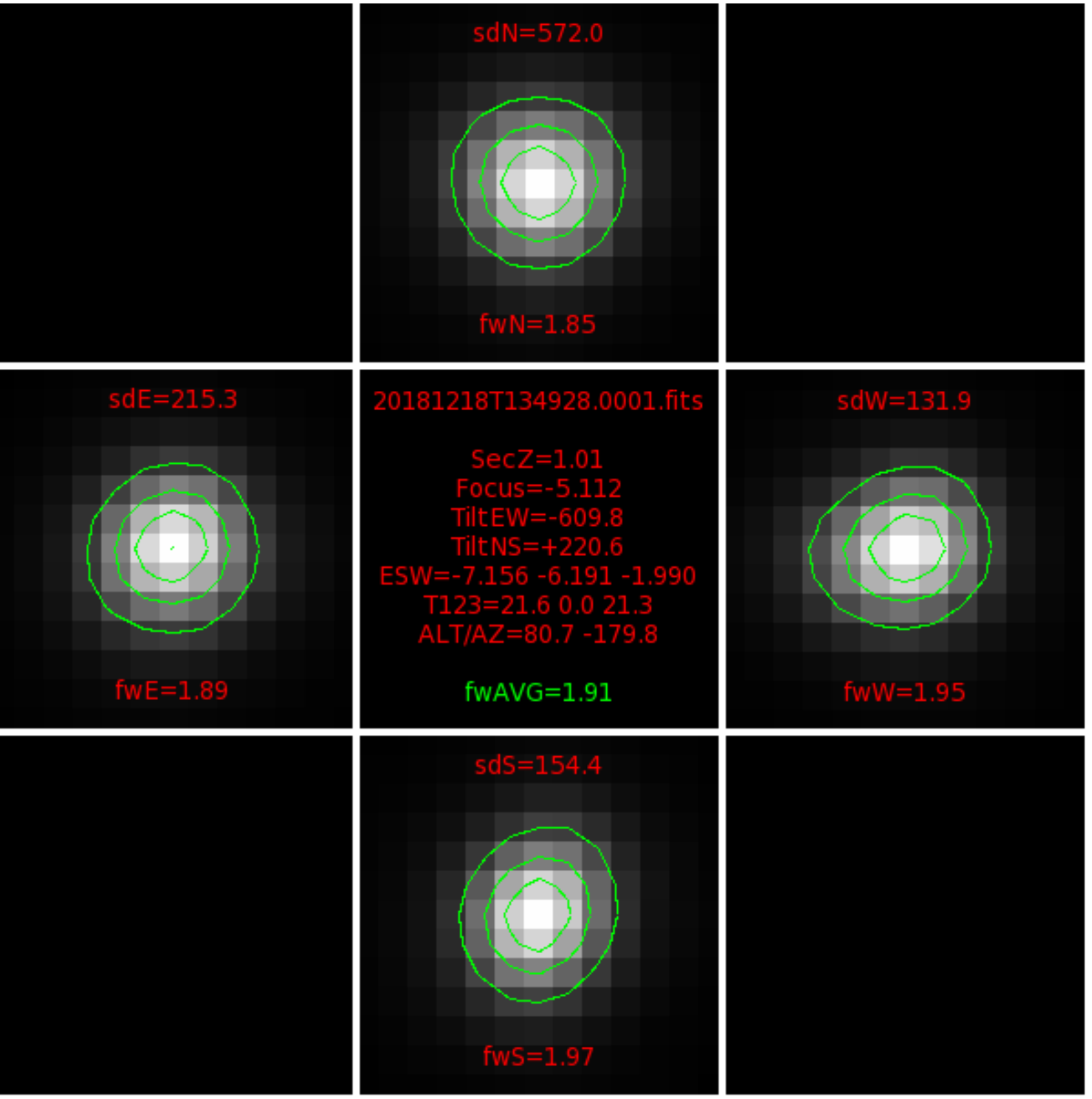
sdN=572.0
fwN=1.85
sdE=215.3
fwE=1.89
20181218T134928.0001.fits
SecZ=1.01
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.6 0.0 21.3
ALT/AZ=80.7 -179.8
fwAVG=1.91
sdW=131.9
fwW=1.95
sdS=154.4
fwS=1.97
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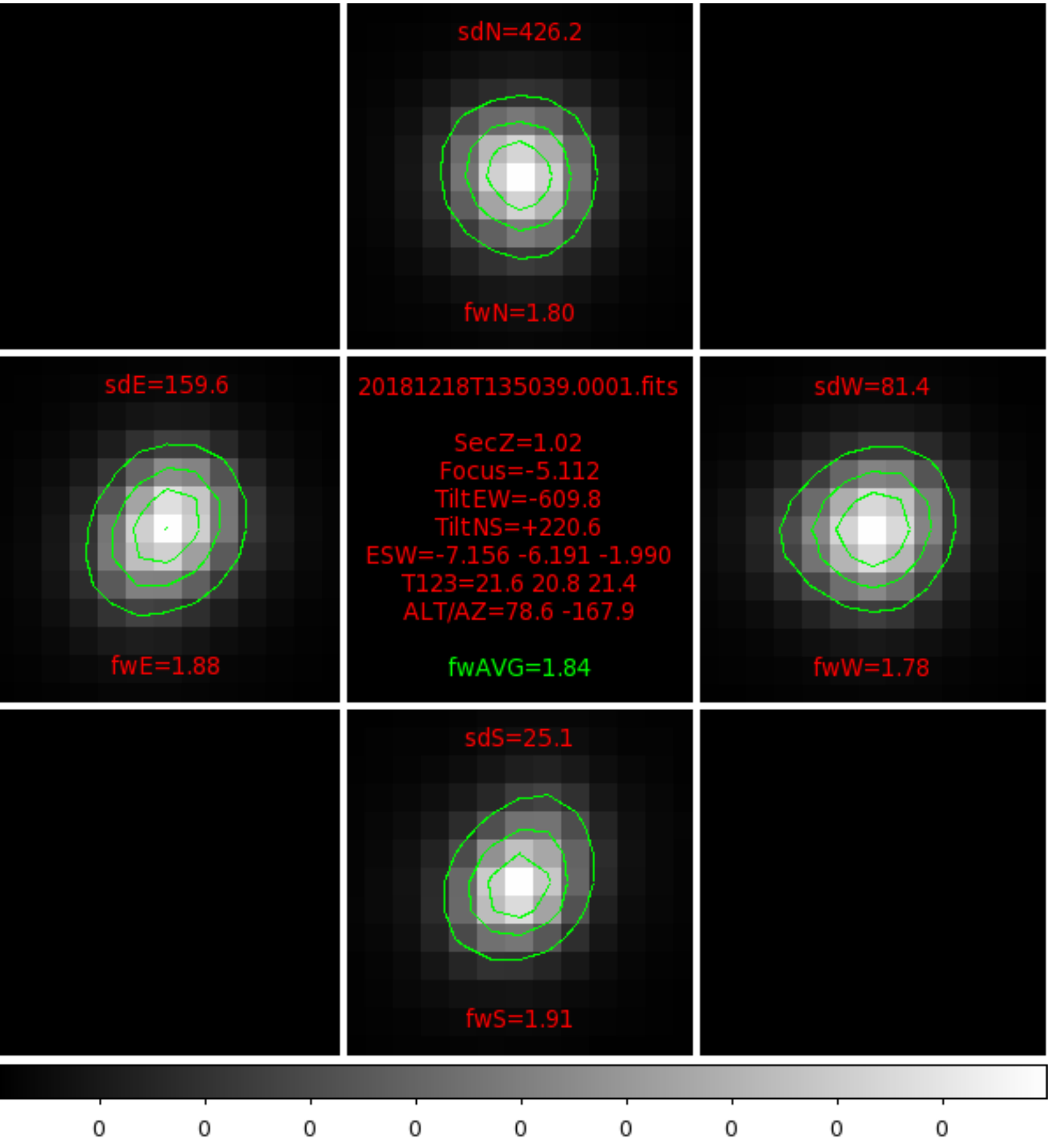
sdN=426.2
fwN=1.80
sdE=159.6
fwE=1.88
20181218T135039.0001.fits
SecZ=1.02
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.6 20.8 21.4
ALT/AZ=78.6 -167.9
fwAVG=1.84
sdW=81.4
fwW=1.78
sdS=25.1
fwS=1.91
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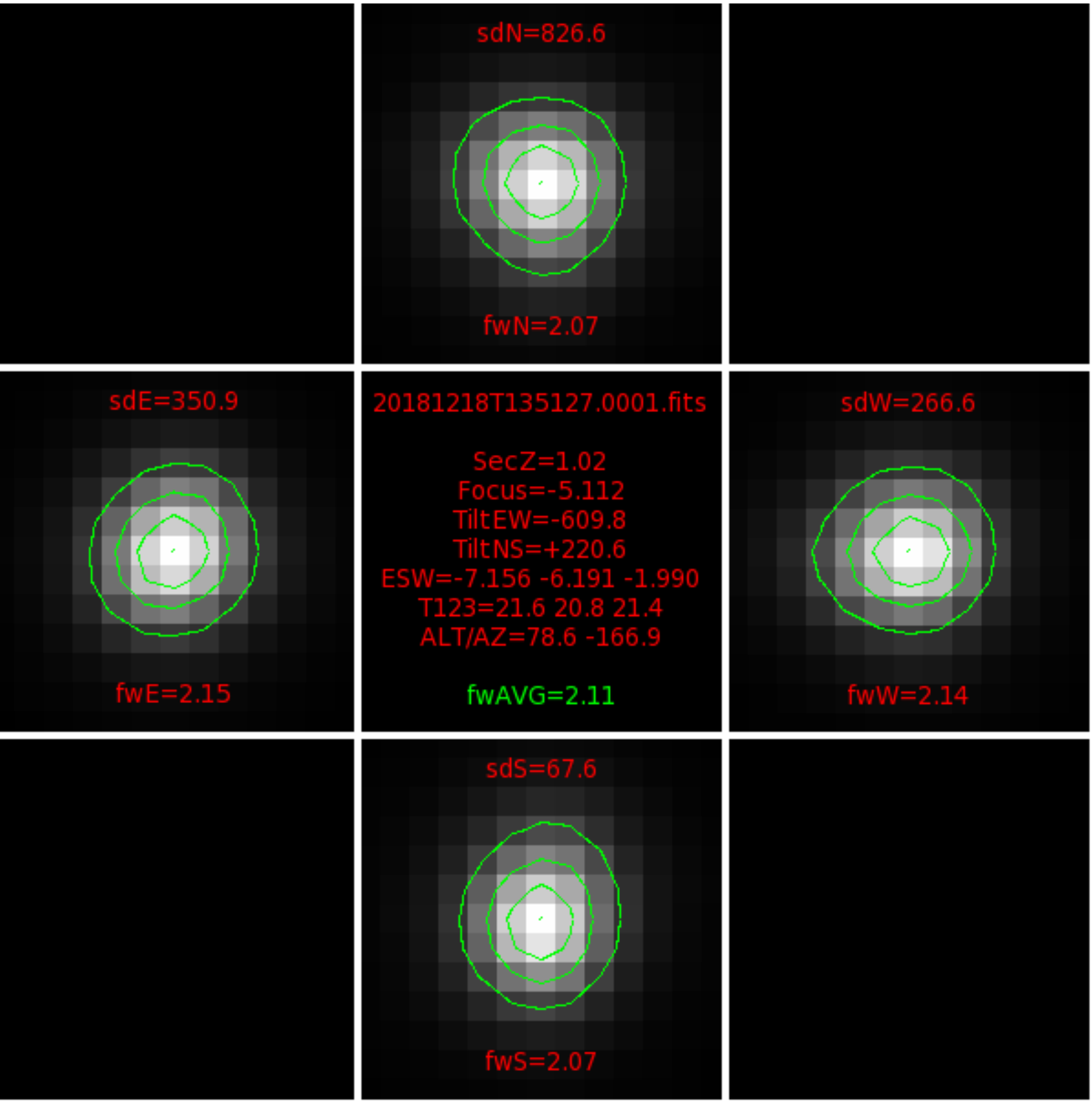
sdN=826.6
fwN=2.07
sdE=350.9
fwE=2.15
20181218T135127.0001.fits
SecZ=1.02
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.6 20.8 21.4
ALT/AZ=78.6 -166.9
fwAVG=2.11
sdW=266.6
fwW=2.14
sdS=67.6
fwS=2.07
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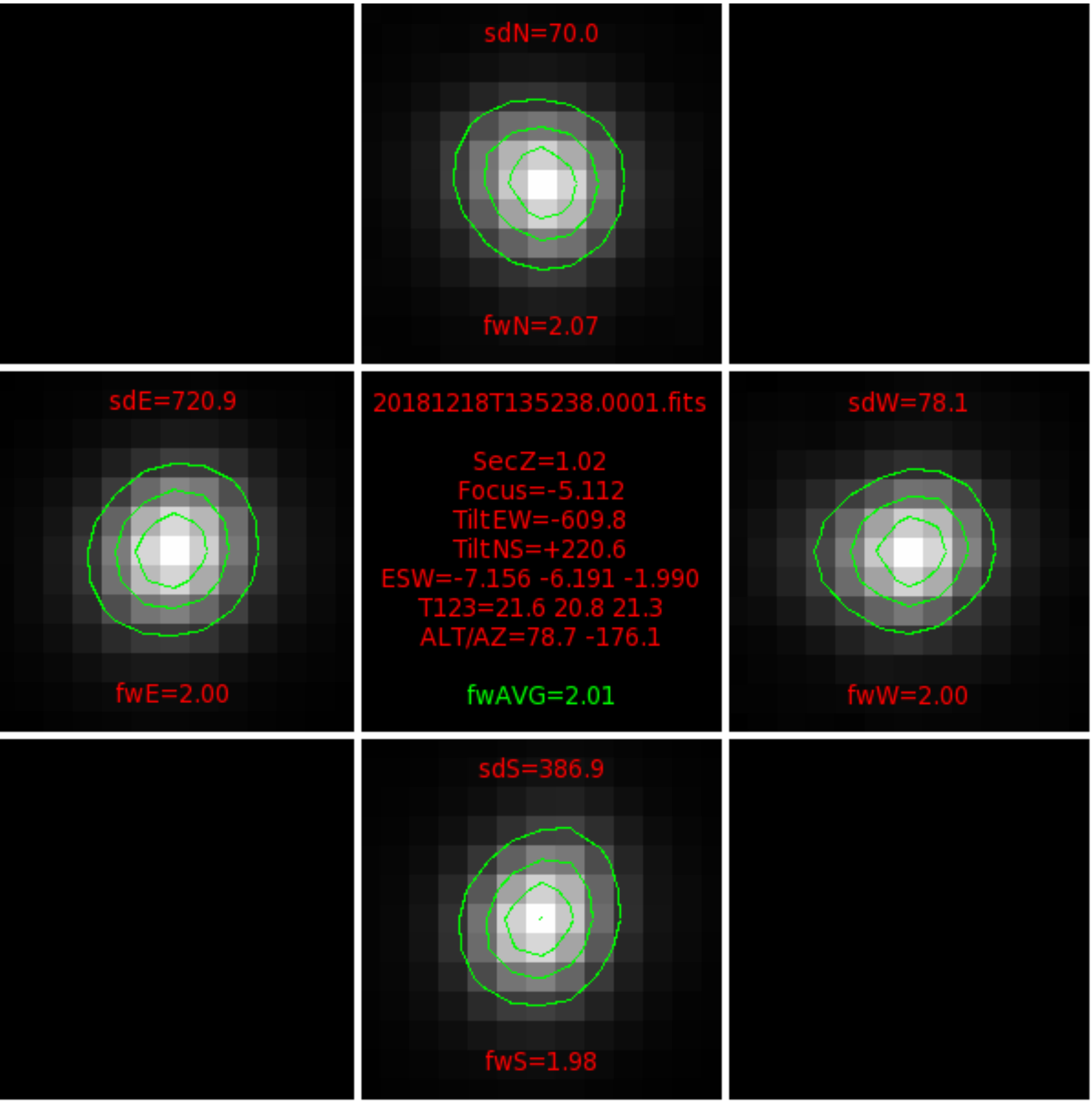
sdN=70.0
fwN=2.07
sdE=720.9
fwE=2.00
20181218T135238.0001.fits
SecZ=1.02
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.6 20.8 21.3
ALT/AZ=78.7 -176.1
fwAVG=2.01
sdW=78.1
fwW=2.00
sdS=386.9
fwS=1.98
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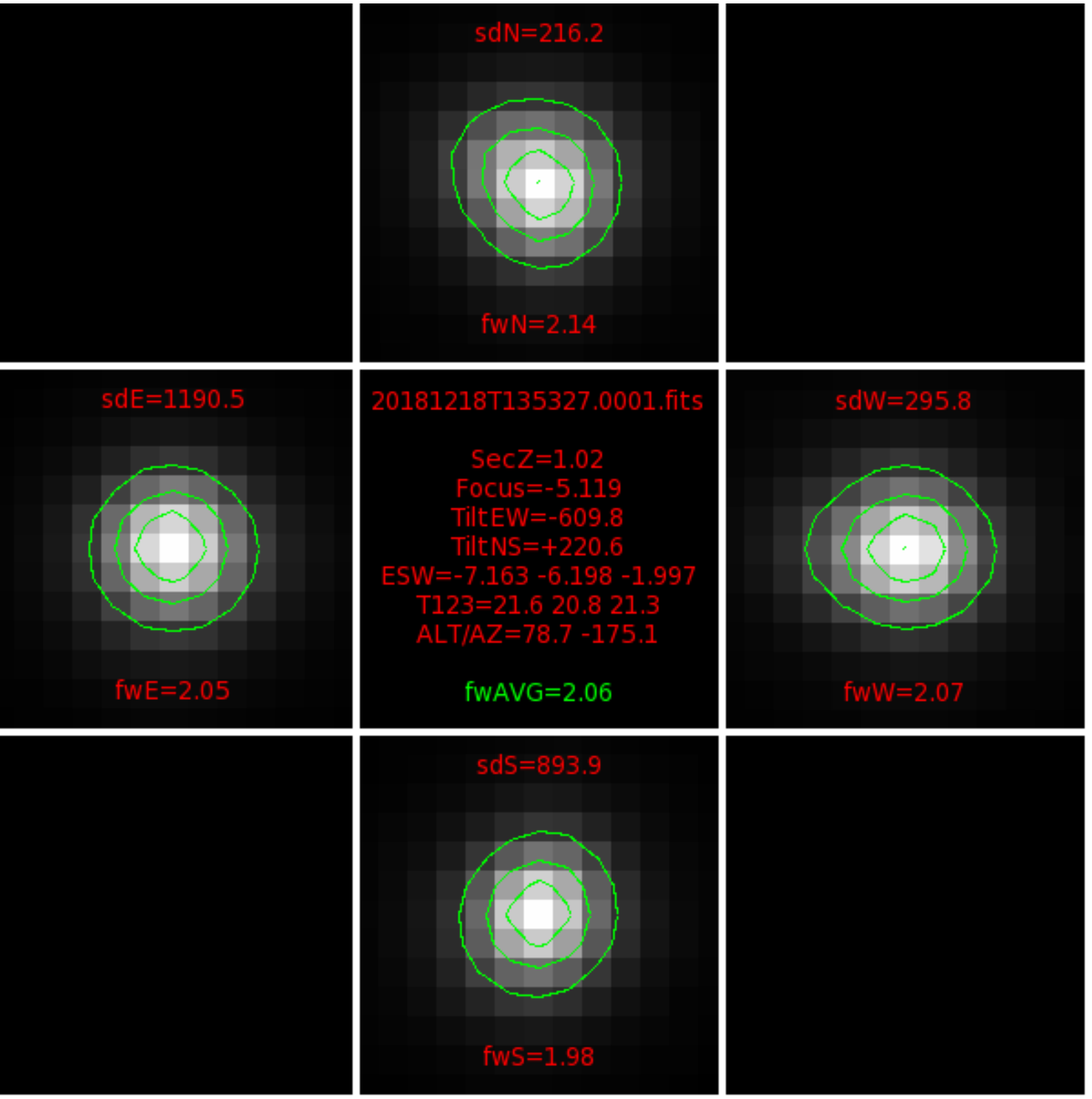
sdN=216.2
fwN=2.14
sdE=1190.5
fwE=2.05
20181218T135327.0001.fits
SecZ=1.02
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.6 20.8 21.3
ALT/AZ=78.7 -175.1
fwAVG=2.06
sdW=295.8
fwW=2.07
sdS=893.9
fwS=1.98
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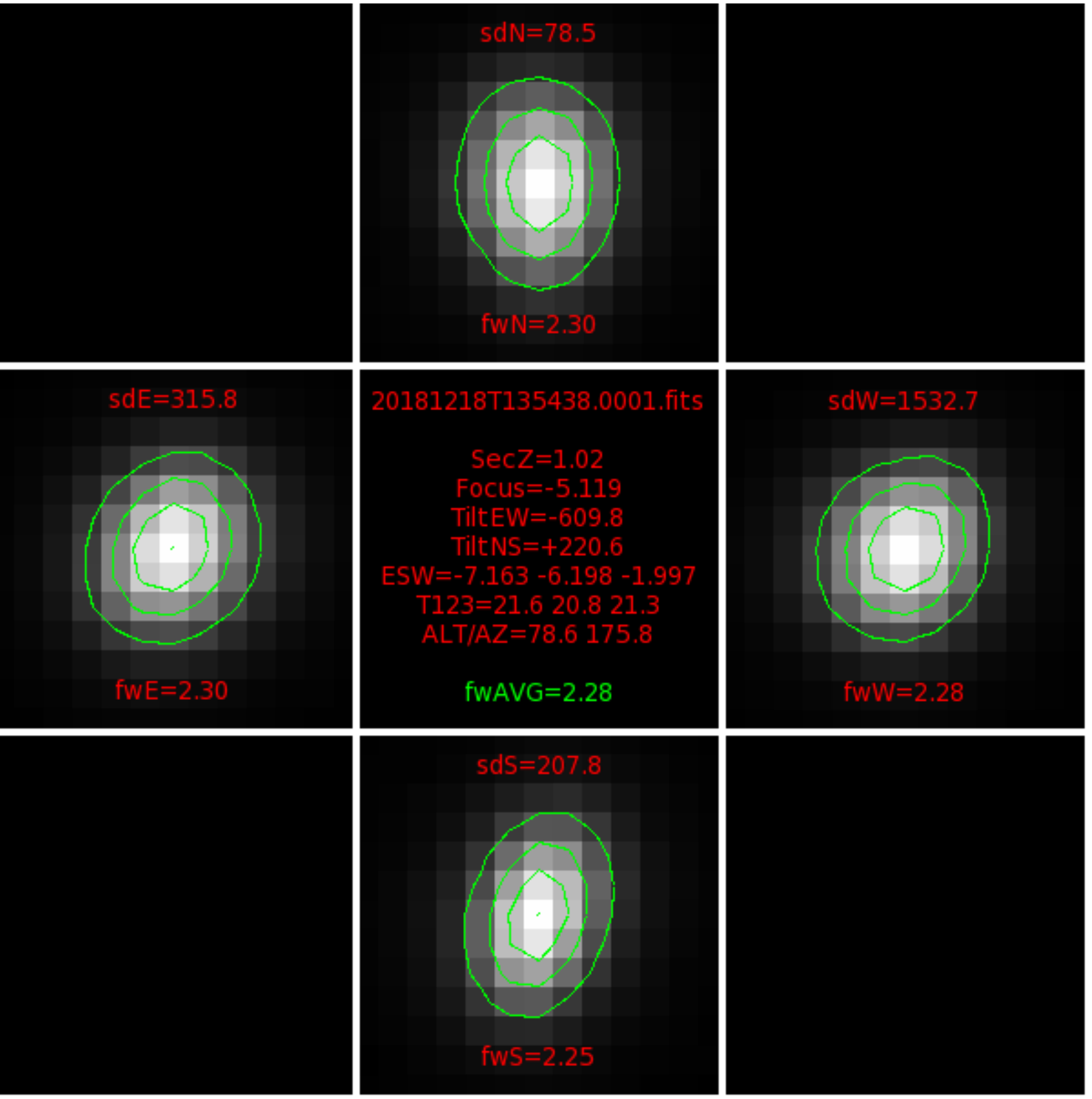
sdN=78.5
fwN=2.30
sdE=315.8
fwE=2.30
20181218T135438.0001.fits
SecZ=1.02
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.6 20.8 21.3
ALT/AZ=78.6 175.8
fwAVG=2.28
sdW=1532.7
fwW=2.28
sdS=207.8
fwS=2.25
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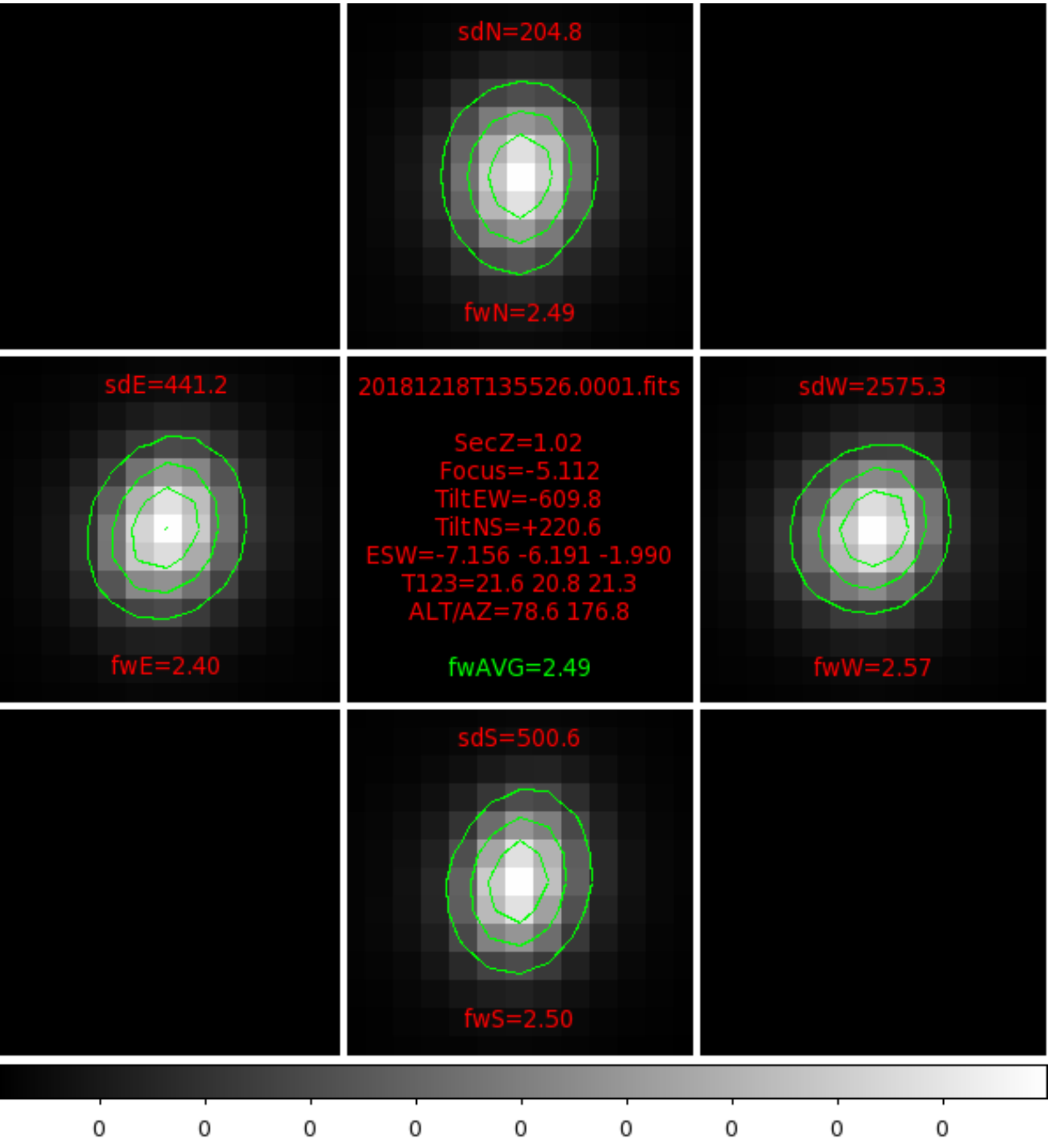
sdN=204.8
fwN=2.49
sdE=441.2
fwE=2.40
20181218T135526.0001.fits
SecZ=1.02
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.6 20.8 21.3
ALT/AZ=78.6 176.8
fwAVG=2.49
sdW=2575.3
fwW=2.57
sdS=500.6
fwS=2.50
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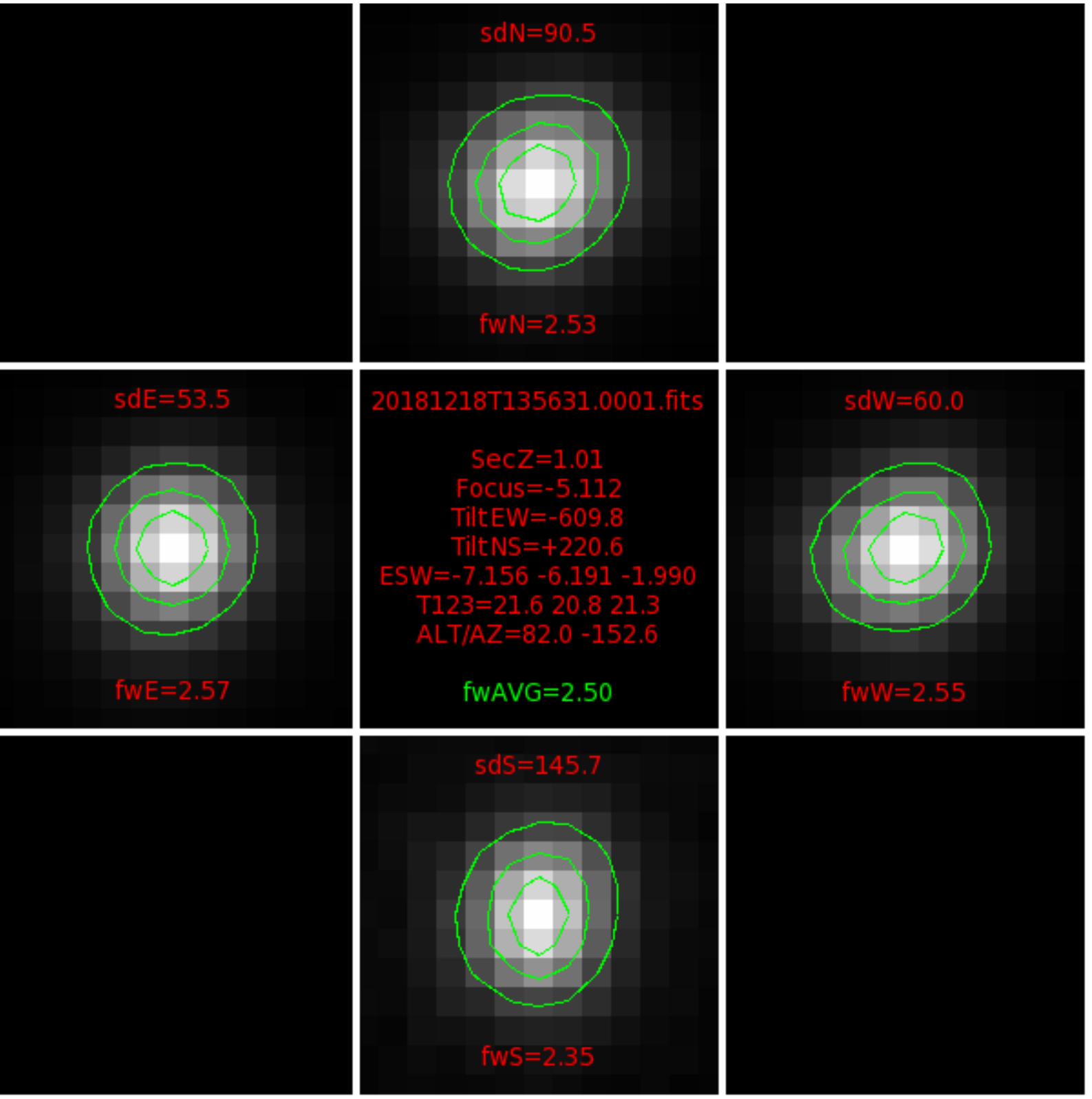
sdN=90.5
fwN=2.53
sdE=53.5
fwE=2.57
20181218T135631.0001.fits
SecZ=1.01
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.6 20.8 21.3
ALT/AZ=82.0 -152.6
fwAVG=2.50
sdW=60.0
fwW=2.55
sdS=145.7
fwS=2.35
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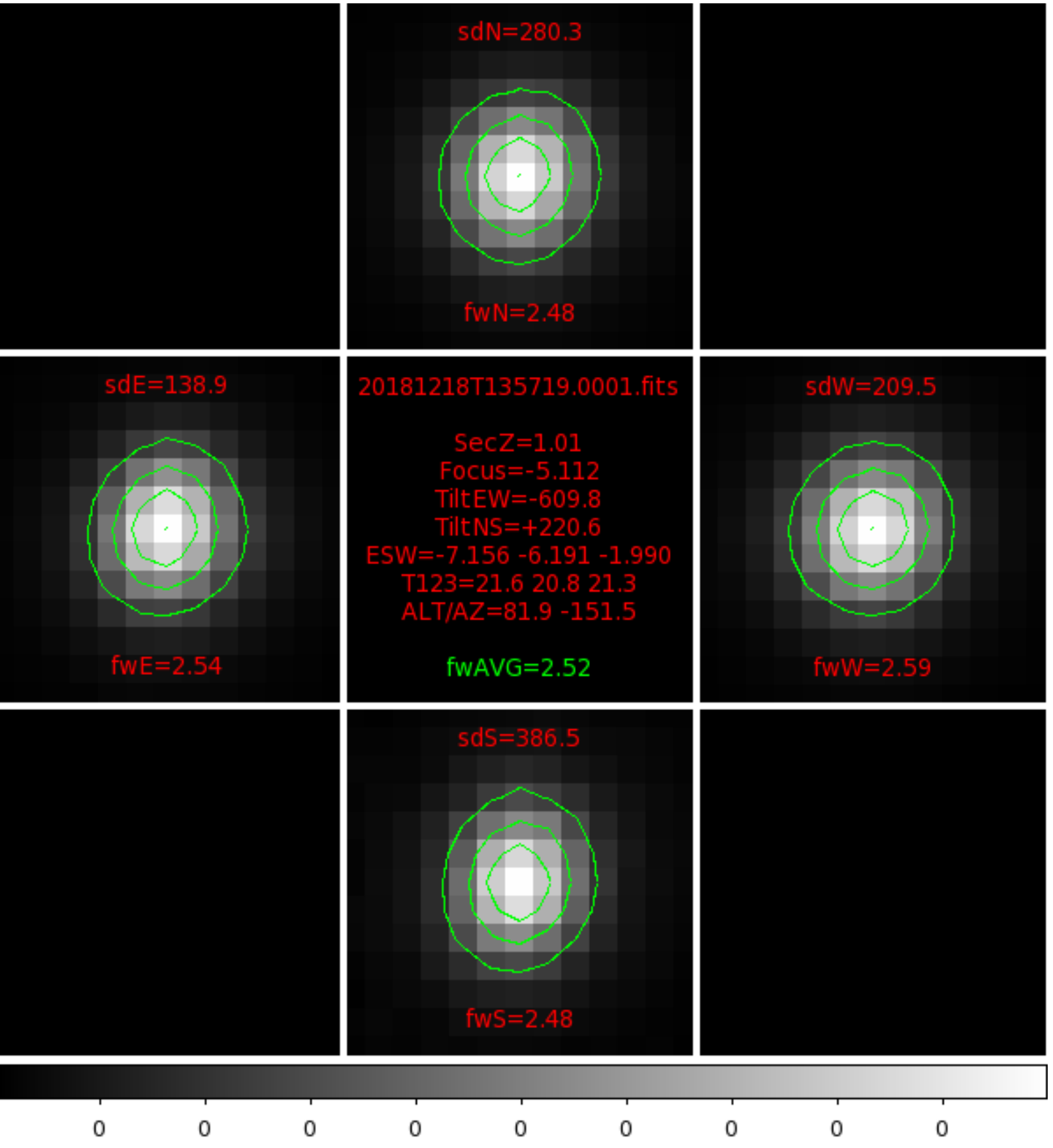
sdN=280.3
fwN=2.48
sdE=138.9
fwE=2.54
20181218T135719.0001.fits
SecZ=1.01
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.6 20.8 21.3
ALT/AZ=81.9 -151.5
fwAVG=2.52
sdW=209.5
fwW=2.59
sdS=386.5
fwS=2.48
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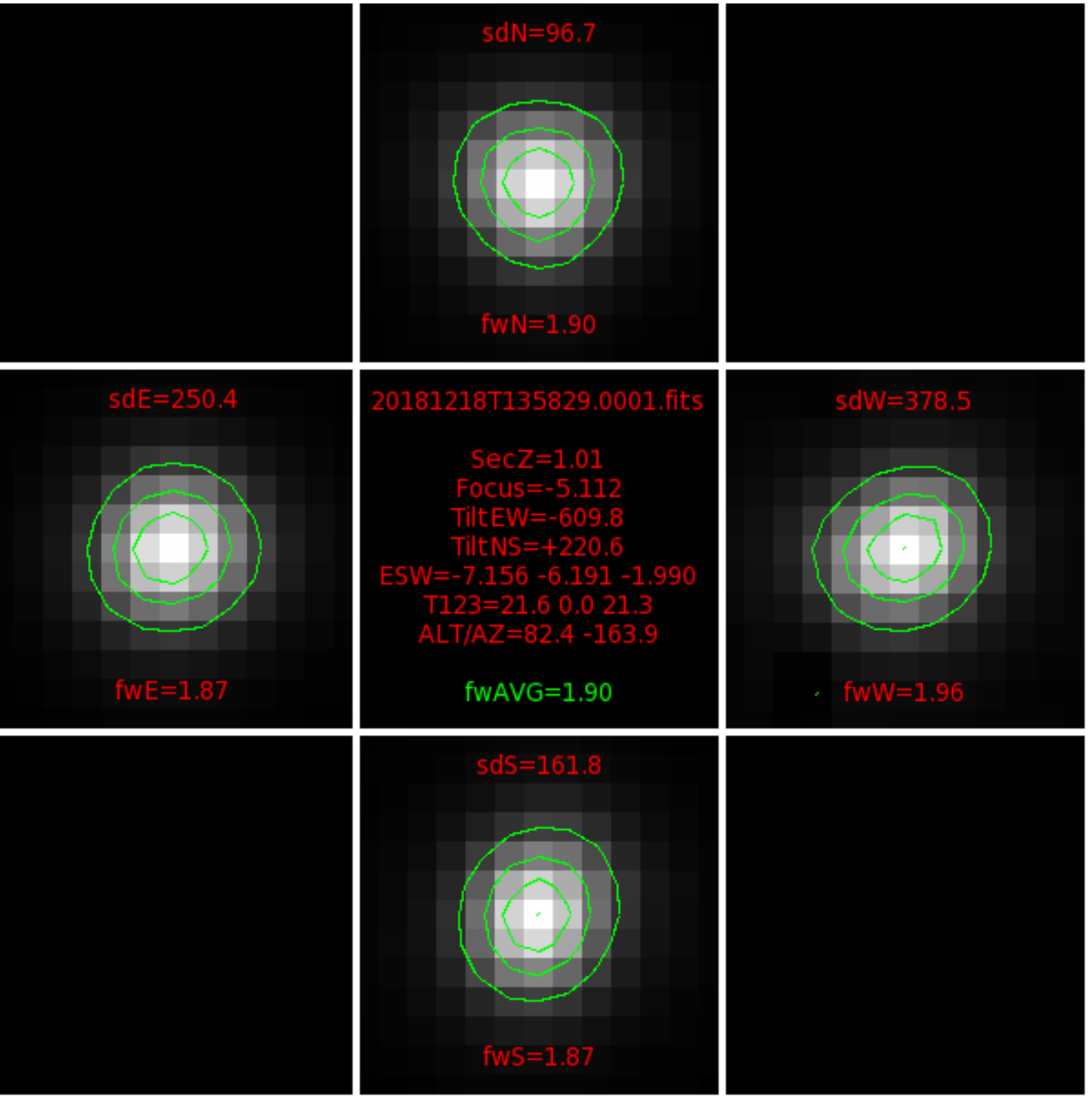
sdN=96.7
fwN=1.90
sdE=250.4
fwE=1.87
20181218T135829.0001.fits
SecZ=1.01
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.6 0.0 21.3
ALT/AZ=82.4 -163.9
fwAVG=1.90
sdW=378.5
fwW=1.96
sdS=161.8
fwS=1.87
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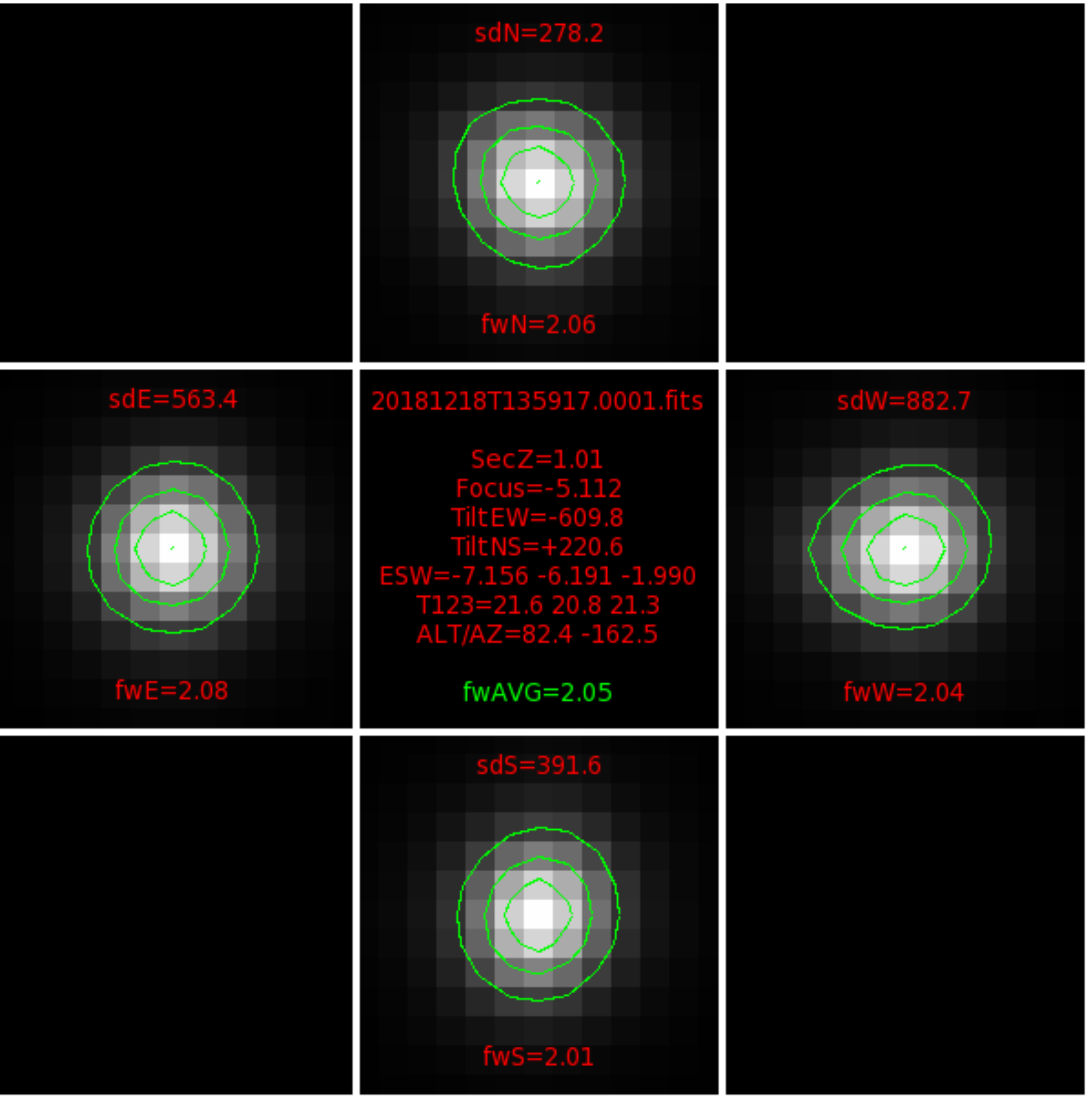
sdN=278.2
fwN=2.06
sdE=563.4
fwE=2.08
20181218T135917.0001.fits
SecZ=1.01
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.6 20.8 21.3
ALT/AZ=82.4 -162.5
fwAVG=2.05
sdW=882.7
fwW=2.04
sdS=391.6
fwS=2.01
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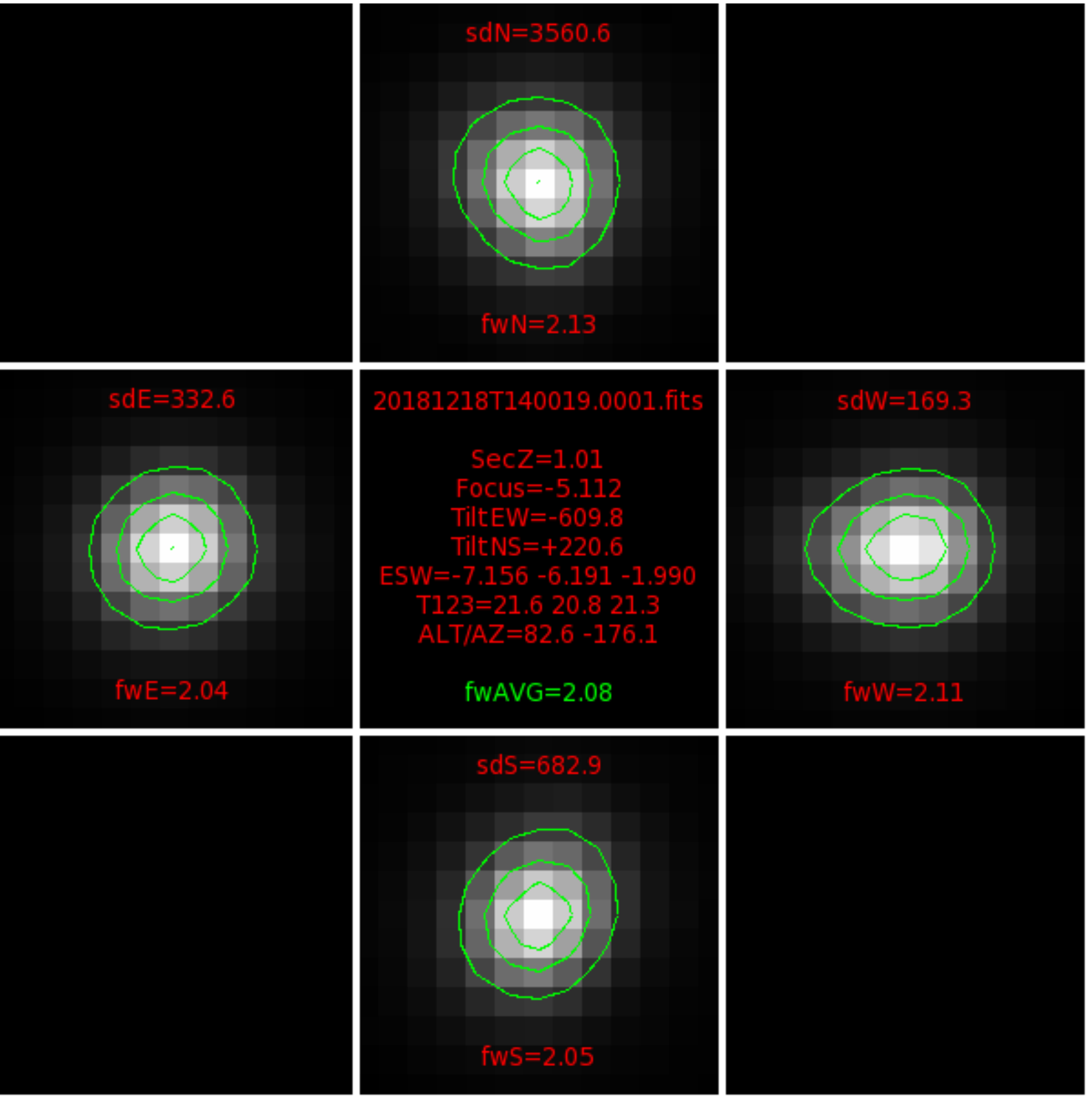
sdN=3560.6
fwN=2.13
sdE=332.6
fwE=2.04
20181218T140019.0001.fits
SecZ=1.01
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.6 20.8 21.3
ALT/AZ=82.6 -176.1
fwAVG=2.08
sdW=169.3
fwW=2.11
sdS=682.9
fwS=2.05
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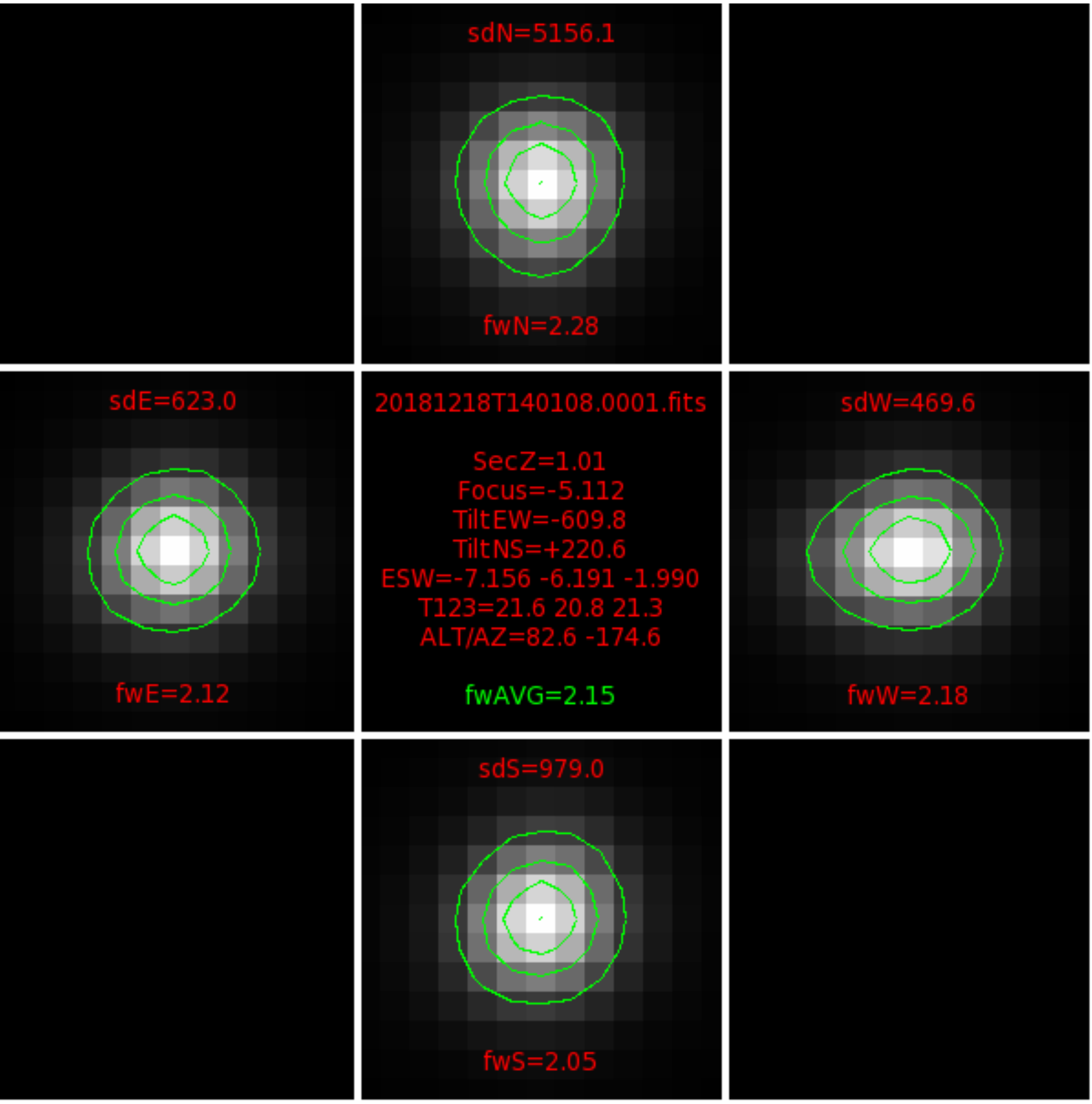
sdN=5156.1
fwN=2.28
sdE=623.0
fwE=2.12
20181218T140108.0001.fits
SecZ=1.01
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.6 20.8 21.3
ALT/AZ=82.6 -174.6
fwAVG=2.15
sdW=469.6
fwW=2.18
sdS=979.0
fwS=2.05
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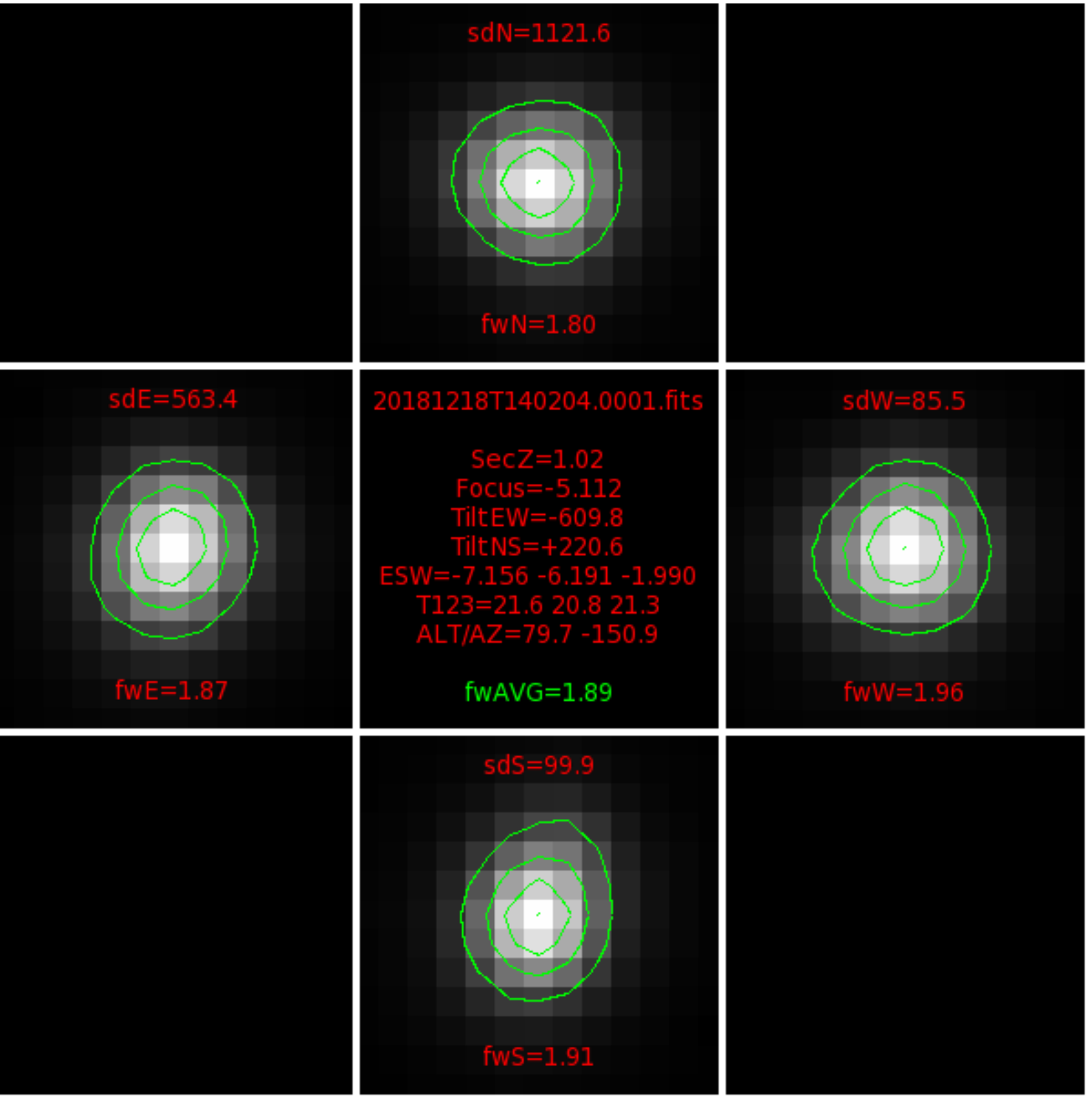
sdN=1121.6
fwN=1.80
sdE=563.4
fwE=1.87
20181218T140204.0001.fits
SecZ=1.02
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.6 20.8 21.3
ALT/AZ=79.7 -150.9
fwAVG=1.89
sdW=85.5
fwW=1.96
sdS=99.9
fwS=1.91
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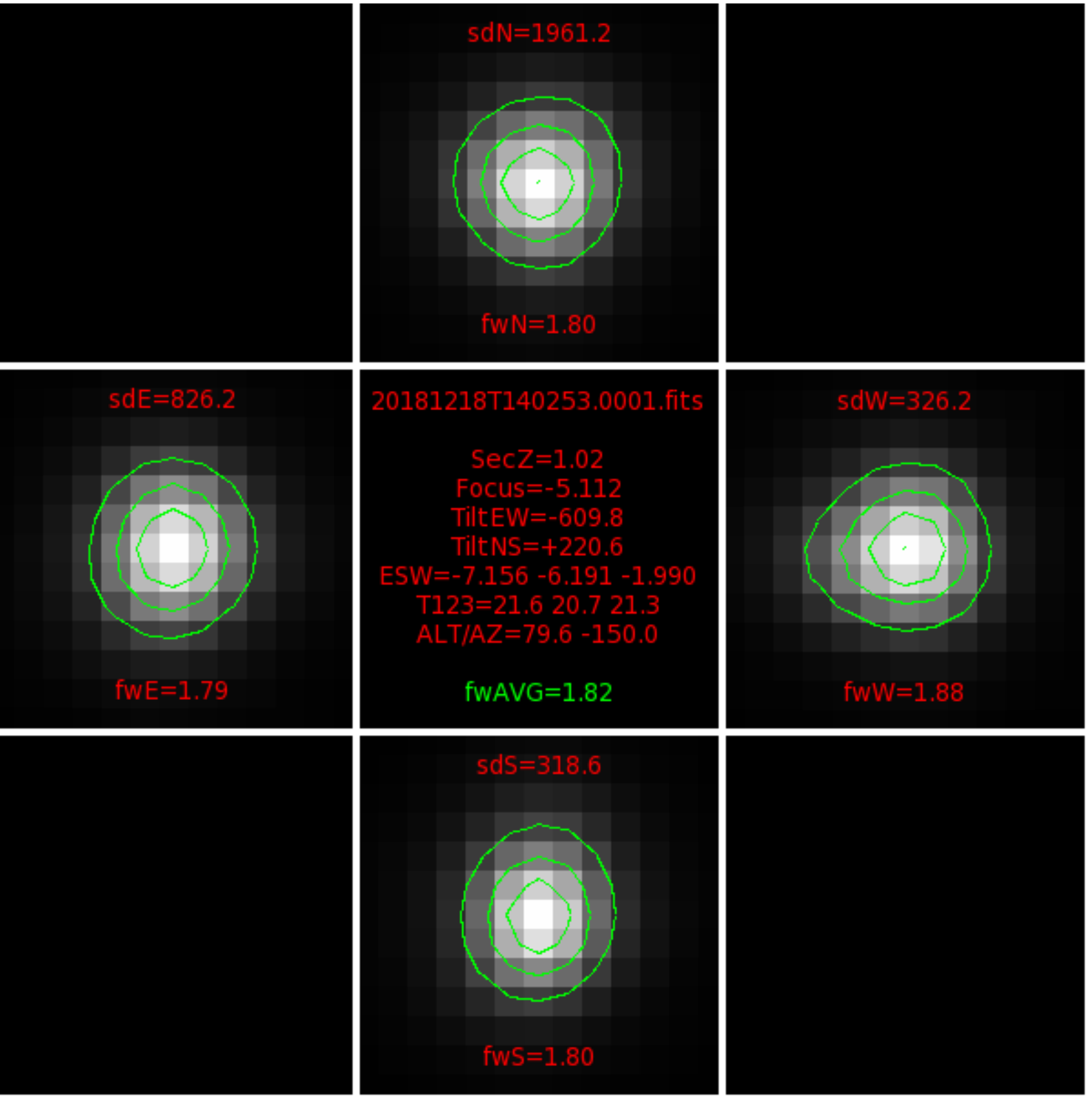
sdN=1961.2
fwN=1.80
sdE=826.2
fwE=1.79
20181218T140253.0001.fits
SecZ=1.02
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.6 20.7 21.3
ALT/AZ=79.6 -150.0
fwAVG=1.82
sdW=326.2
fwW=1.88
sdS=318.6
fwS=1.80
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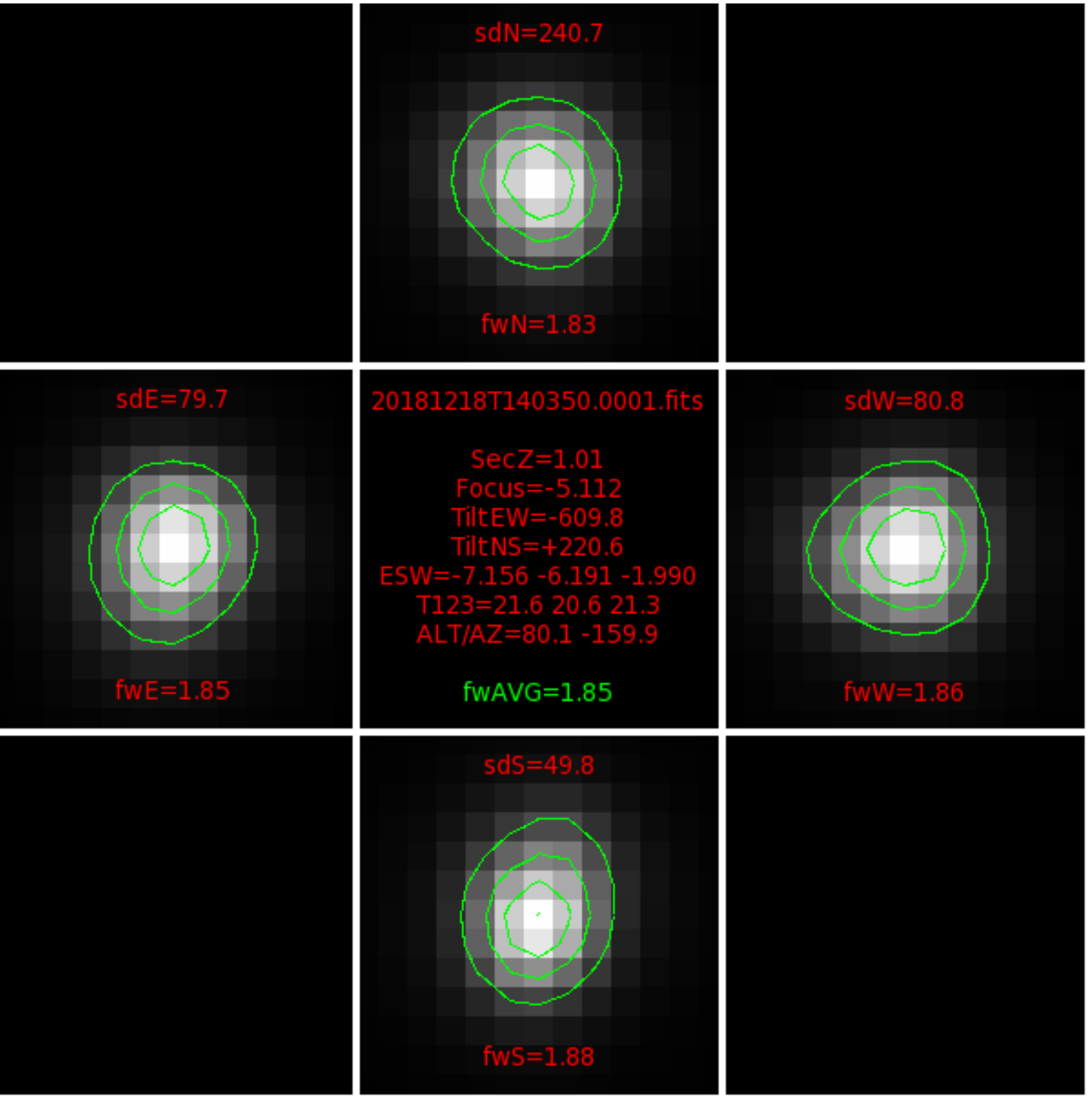
sdN=240.7
fwN=1.83
sdE=79.7
fwE=1.85
20181218T140350.0001.fits
SecZ=1.01
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.6 20.6 21.3
ALT/AZ=80.1 -159.9
fwAVG=1.85
sdW=80.8
fwW=1.86
sdS=49.8
fwS=1.88
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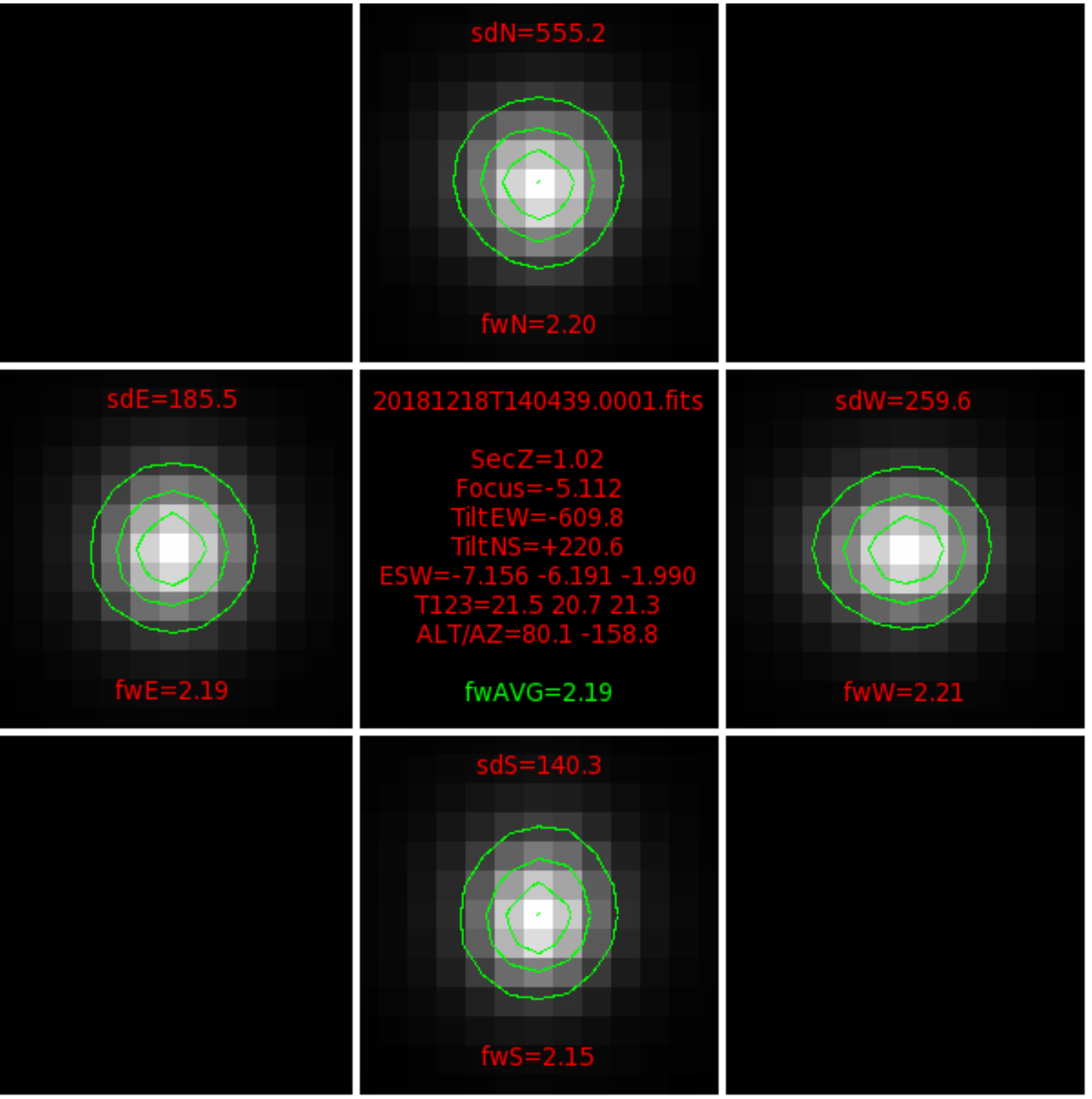
sdN=555.2
fwN=2.20
sdE=185.5
fwE=2.19
20181218T140439.0001.fits
SecZ=1.02
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.5 20.7 21.3
ALT/AZ=80.1 -158.8
fwAVG=2.19
sdW=259.6
fwW=2.21
sdS=140.3
fwS=2.15
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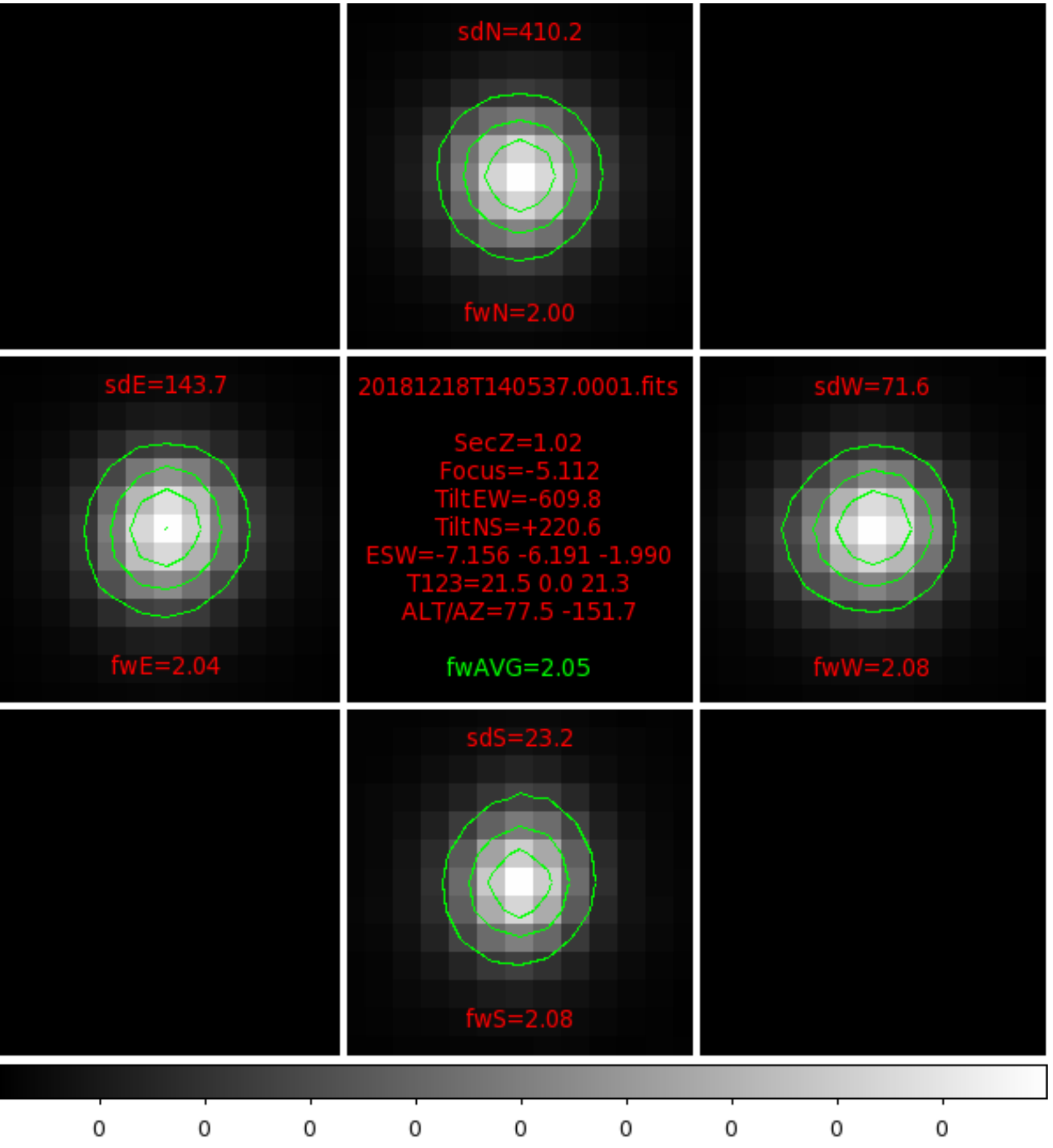
sdN=410.2
fwN=2.00
sdE=143.7
fwE=2.04
20181218T140537.0001.fits
SecZ=1.02
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.5 0.0 21.3
ALT/AZ=77.5 -151.7
fwAVG=2.05
sdW=71.6
fwW=2.08
sdS=23.2
fwS=2.08
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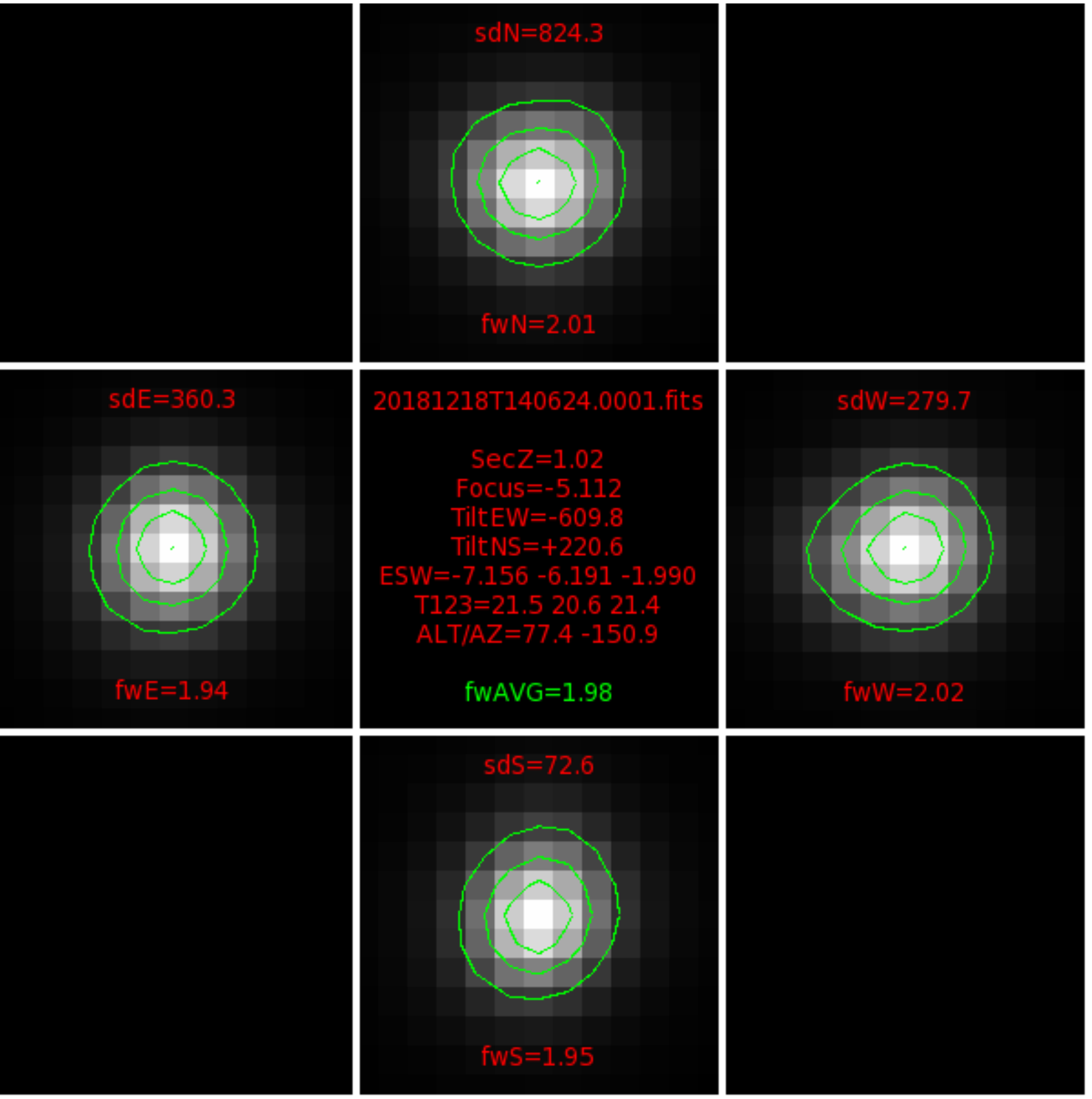
sdN=824.3
fwN=2.01
sdE=360.3
fwE=1.94
20181218T140624.0001.fits
SecZ=1.02
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.5 20.6 21.4
ALT/AZ=77.4 -150.9
fwAVG=1.98
sdW=279.7
fwW=2.02
sdS=72.6
fwS=1.95
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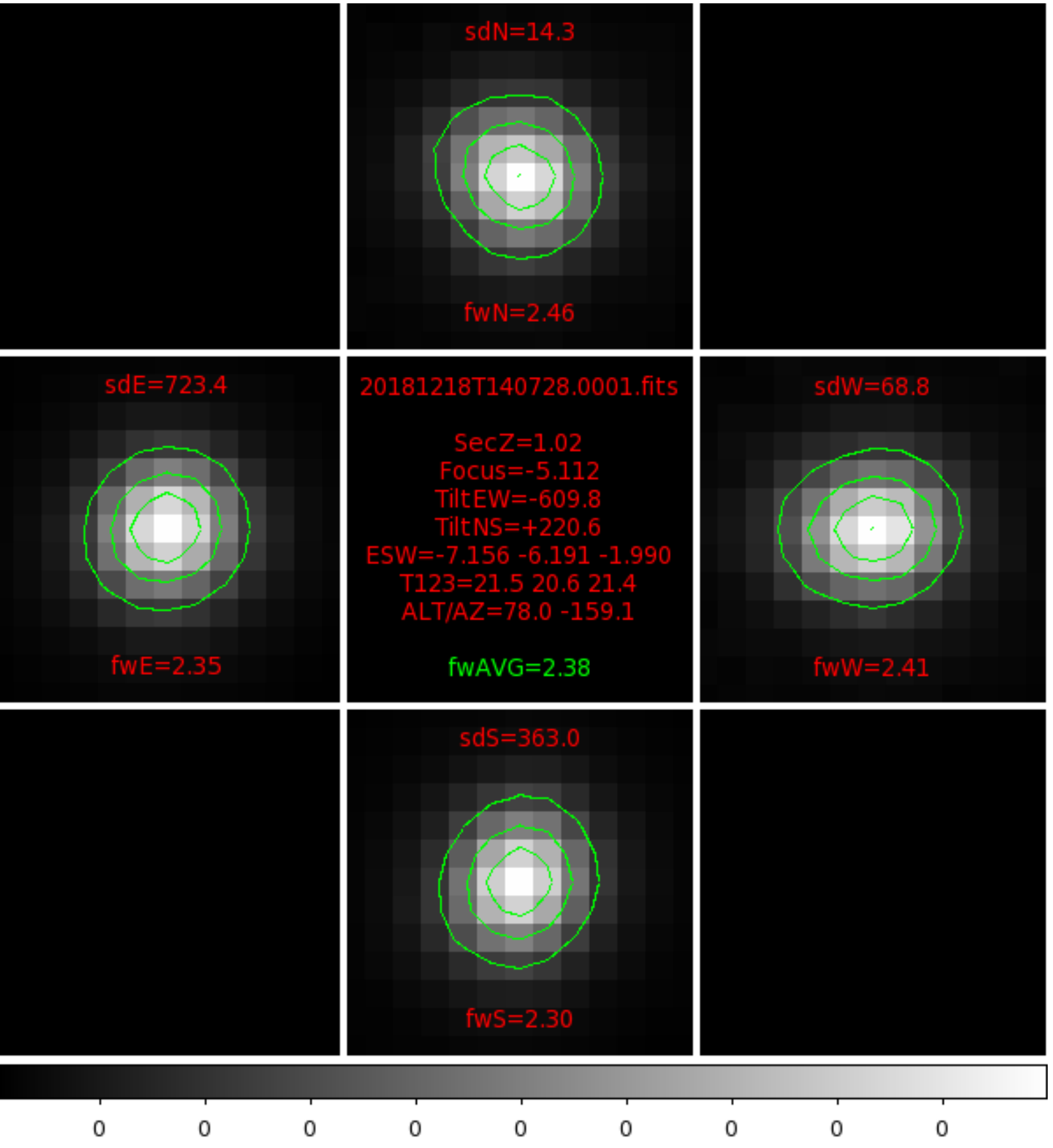
sdN=14.3
fwN=2.46
sdE=723.4
fwE=2.35
20181218T140728.0001.fits
SecZ=1.02
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.5 20.6 21.4
ALT/AZ=78.0 -159.1
fwAVG=2.38
sdW=68.8
fwW=2.41
sdS=363.0
fwS=2.30
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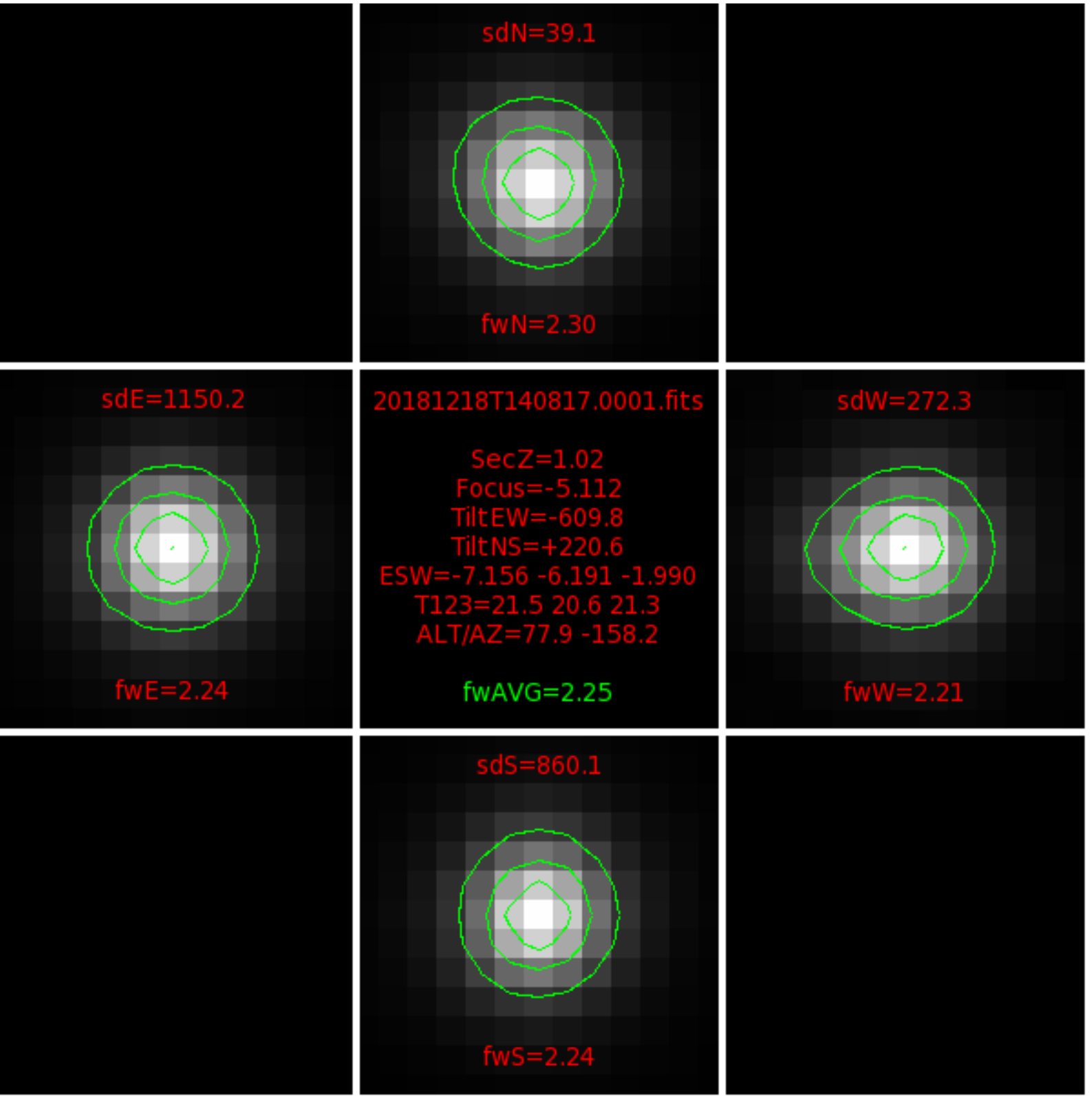
sdN=39.1
fwN=2.30
sdE=1150.2
fwE=2.24
20181218T140817.0001.fits
SecZ=1.02
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.5 20.6 21.3
ALT/AZ=77.9 -158.2
fwAVG=2.25
sdW=272.3
fwW=2.21
sdS=860.1
fwS=2.24
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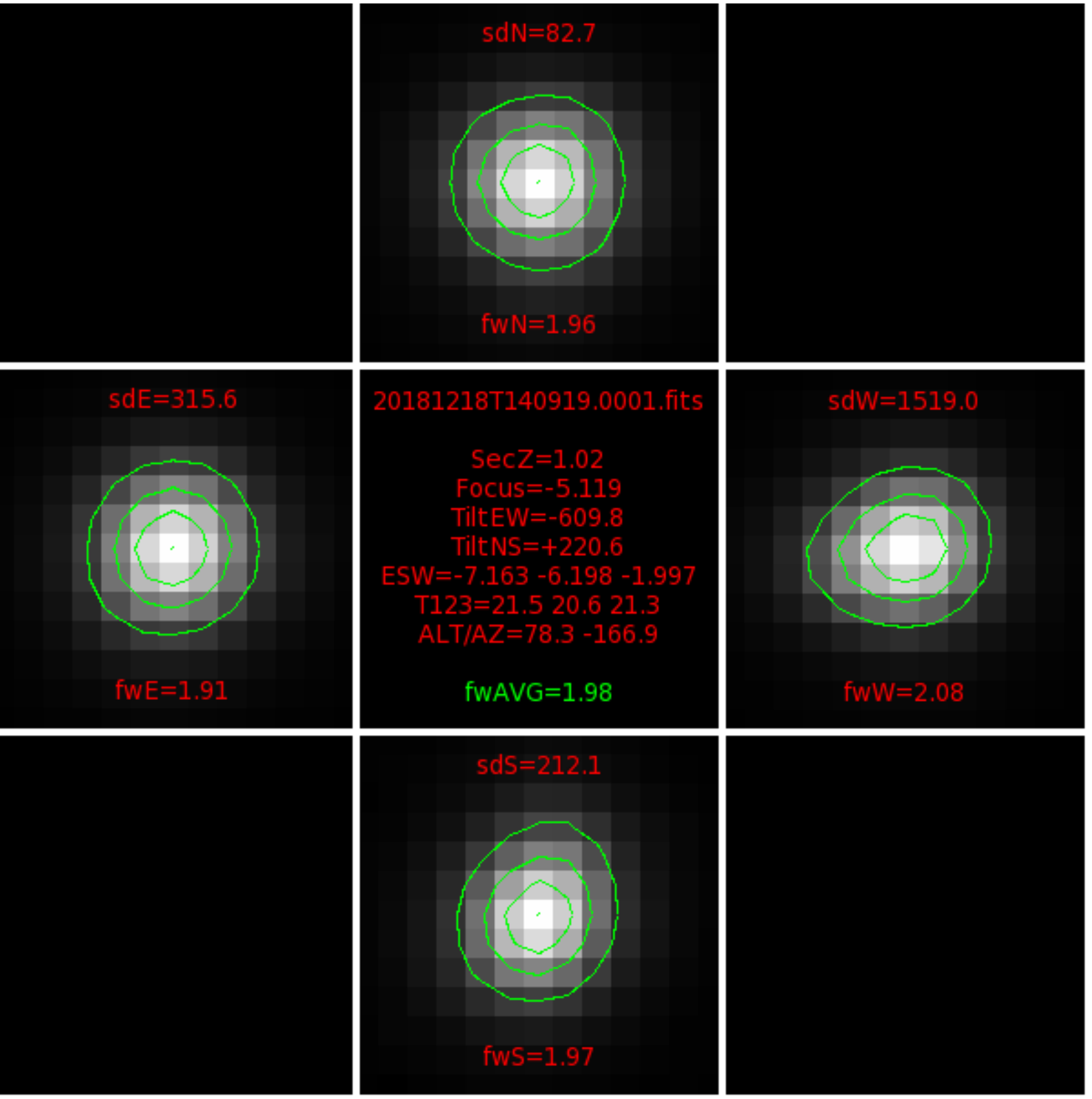
sdN=82.7
fwN=1.96
sdE=315.6
fwE=1.91
20181218T140919.0001.fits
SecZ=1.02
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.5 20.6 21.3
ALT/AZ=78.3 -166.9
fwAVG=1.98
sdW=1519.0
fwW=2.08
sdS=212.1
fwS=1.97
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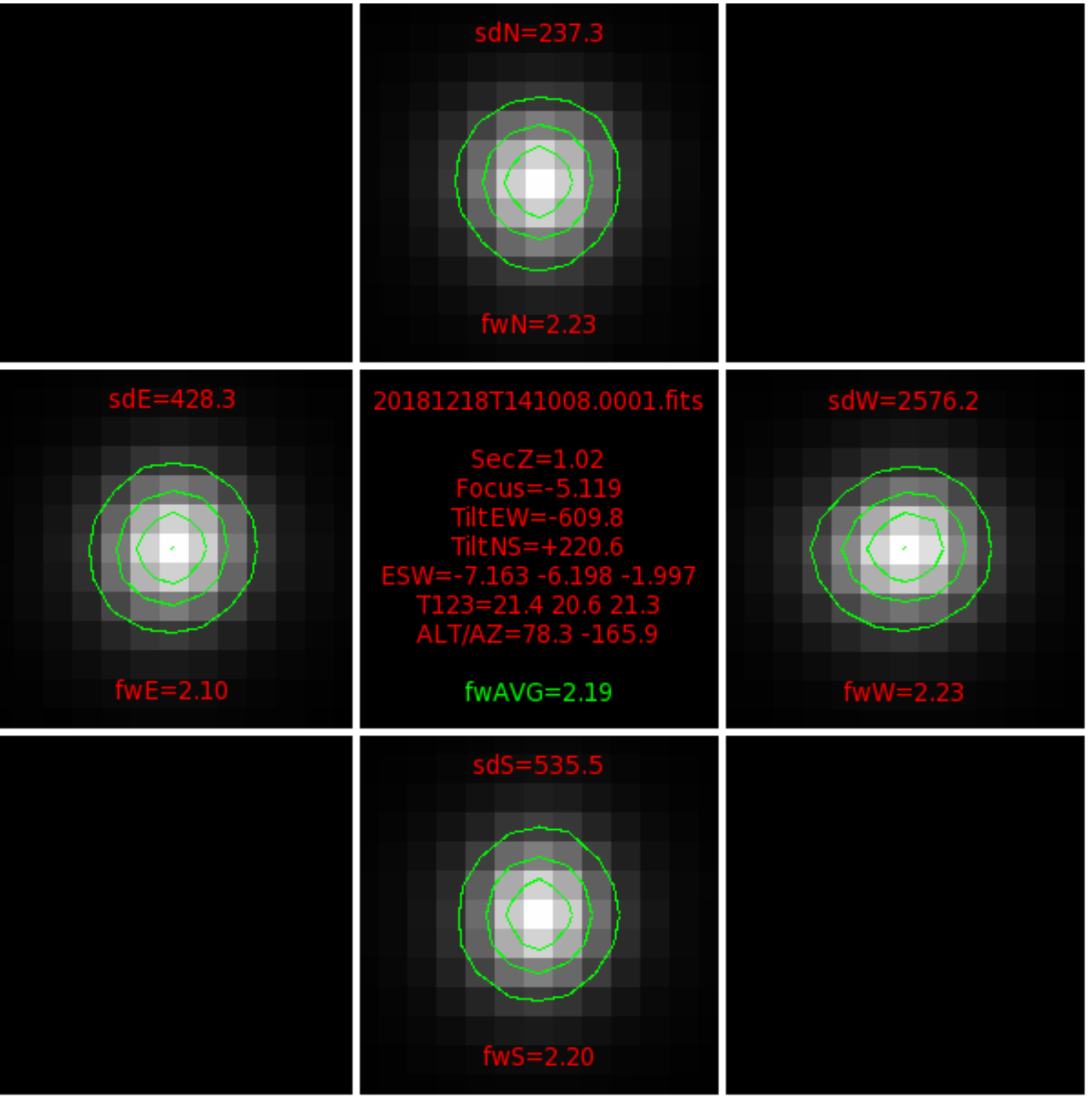
sdN=237.3
fwN=2.23
sdE=428.3
fwE=2.10
20181218T141008.0001.fits
SecZ=1.02
Focus=-5.119
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.163 -6.198 -1.997
T123=21.4 20.6 21.3
ALT/AZ=78.3 -165.9
fwAVG=2.19
sdW=2576.2
fwW=2.23
sdS=535.5
fwS=2.20
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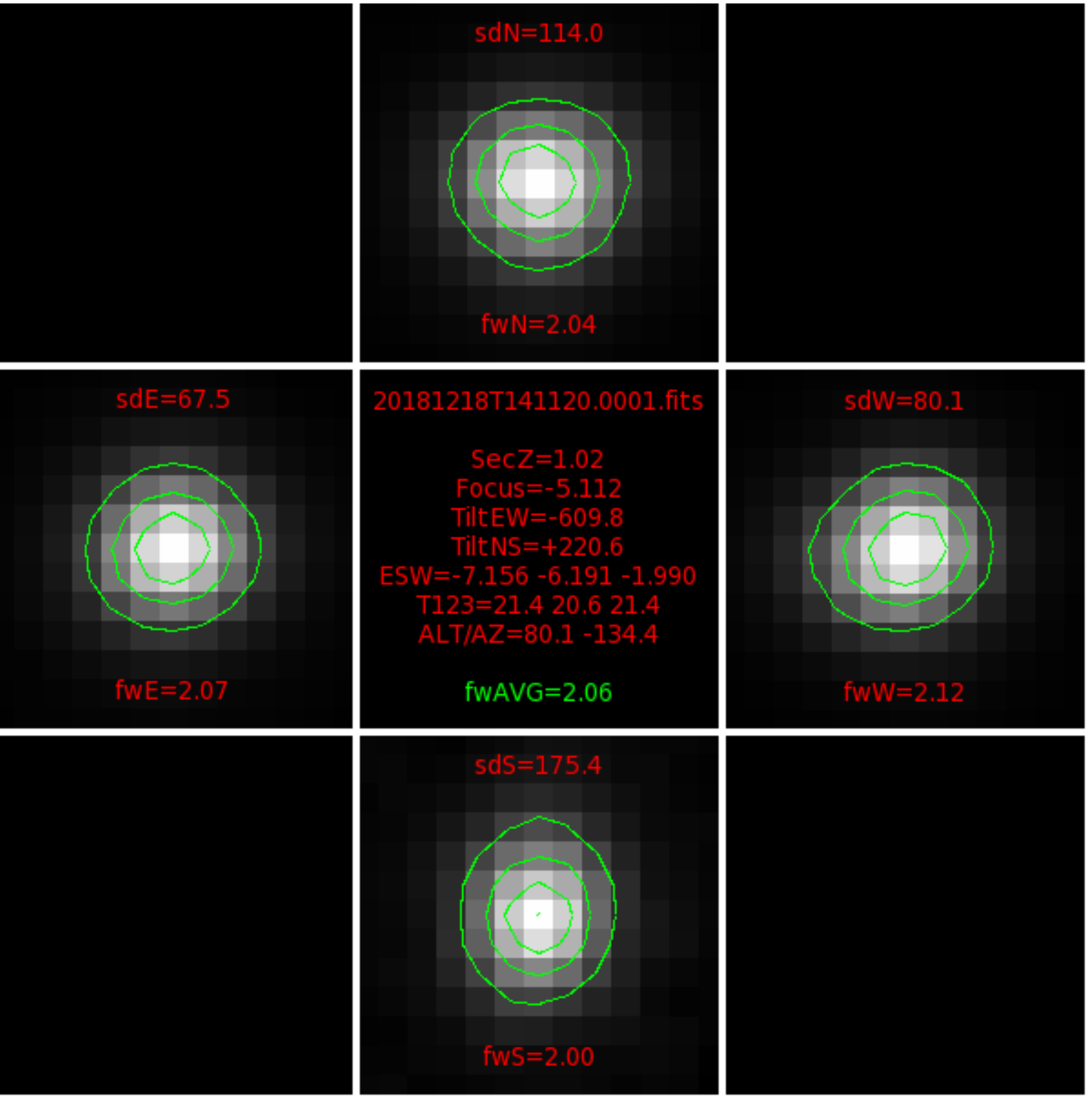
sdN=114.0
fwN=2.04
sdE=67.5
fwE=2.07
20181218T141120.0001.fits
SecZ=1.02
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.4 20.6 21.4
ALT/AZ=80.1 -134.4
fwAVG=2.06
sdW=80.1
fwW=2.12
sdS=175.4
fwS=2.00
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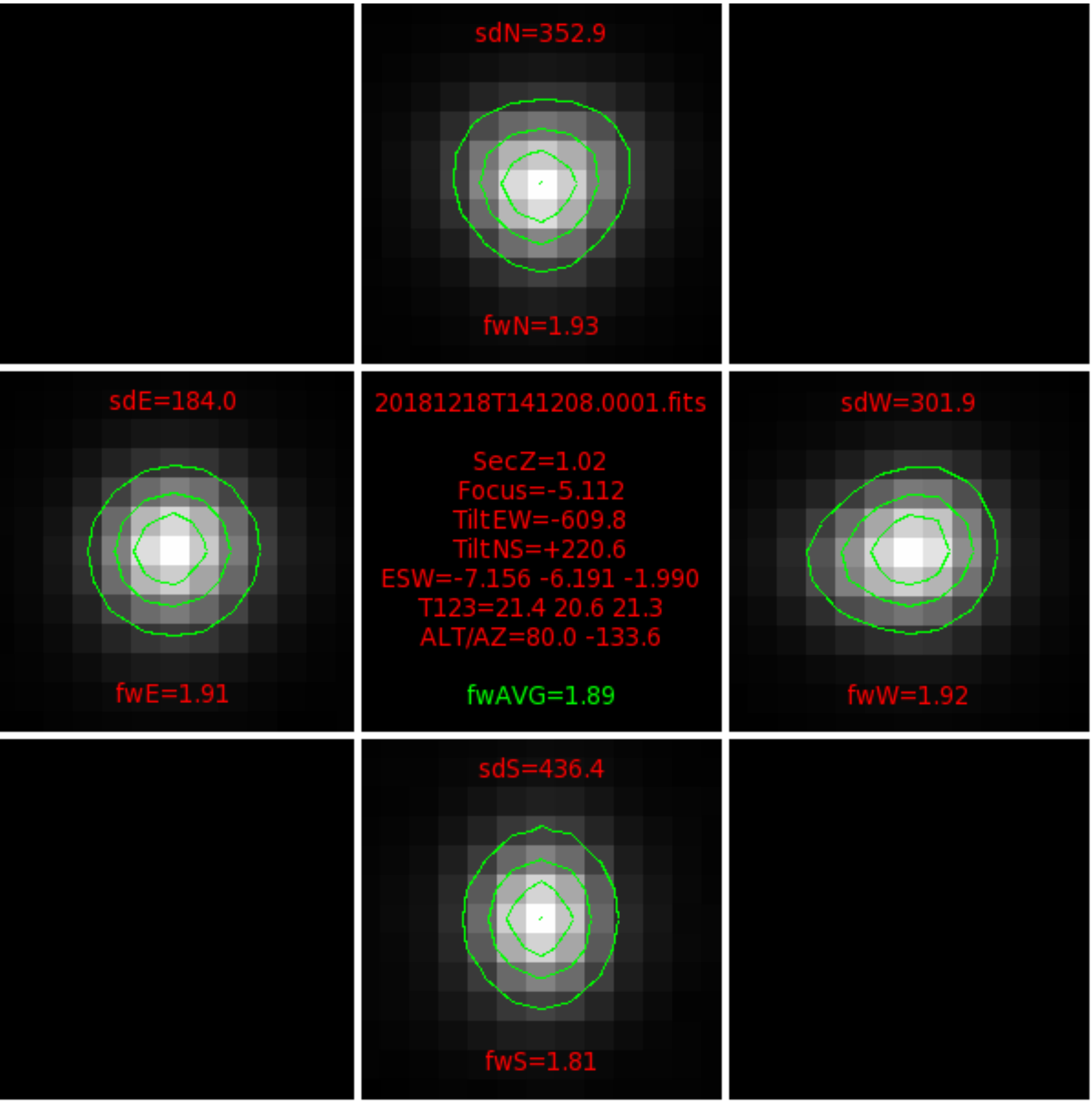
sdN=352.9
fwN=1.93
sdE=184.0
fwE=1.91
20181218T141208.0001.fits
SecZ=1.02
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.4 20.6 21.3
ALT/AZ=80.0 -133.6
fwAVG=1.89
sdW=301.9
fwW=1.92
sdS=436.4
fwS=1.81
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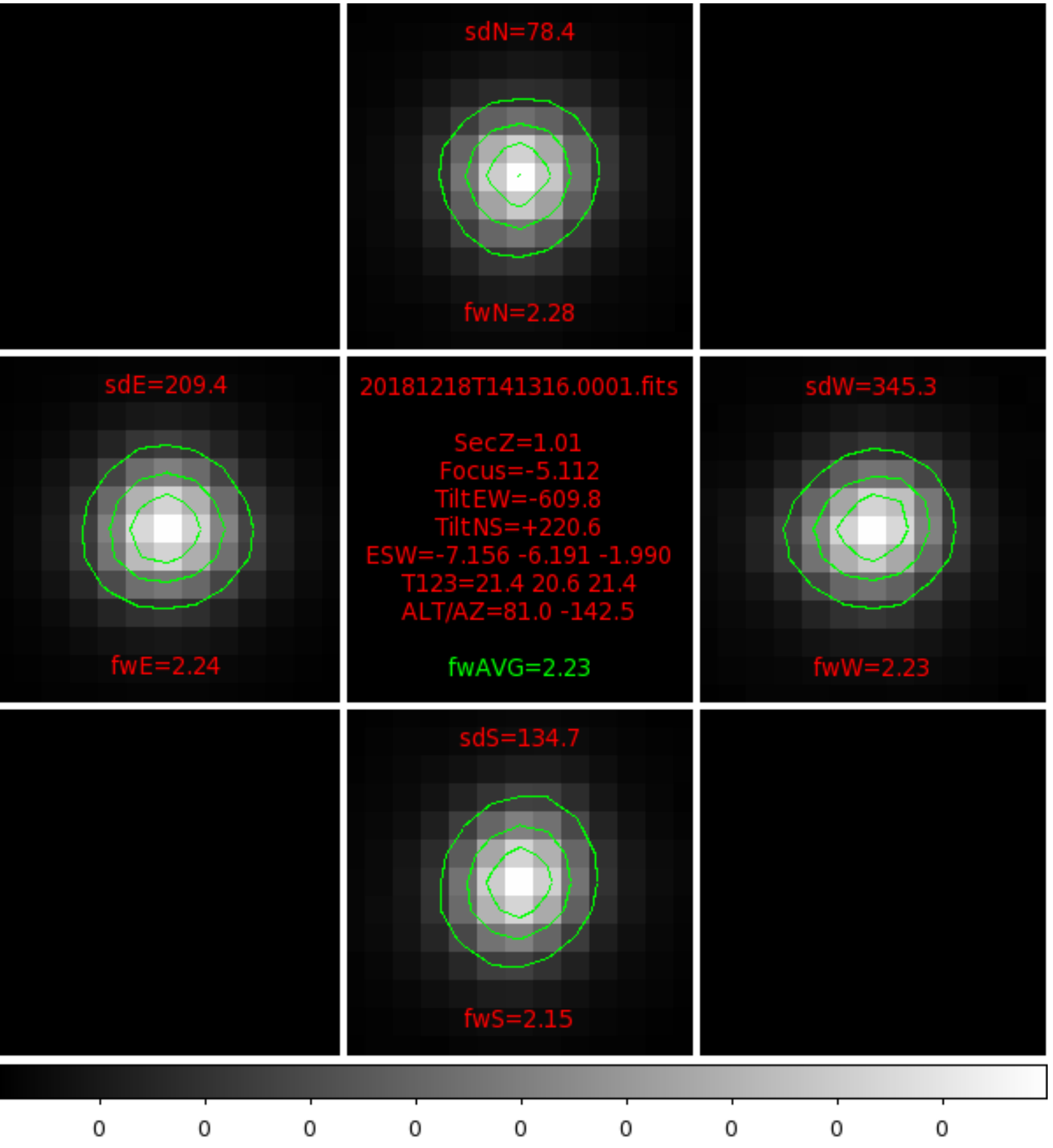
sdN=78.4
fwN=2.28
sdE=209.4
fwE=2.24
20181218T141316.0001.fits
SecZ=1.01
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.4 20.6 21.4
ALT/AZ=81.0 -142.5
fwAVG=2.23
sdW=345.3
fwW=2.23
sdS=134.7
fwS=2.15
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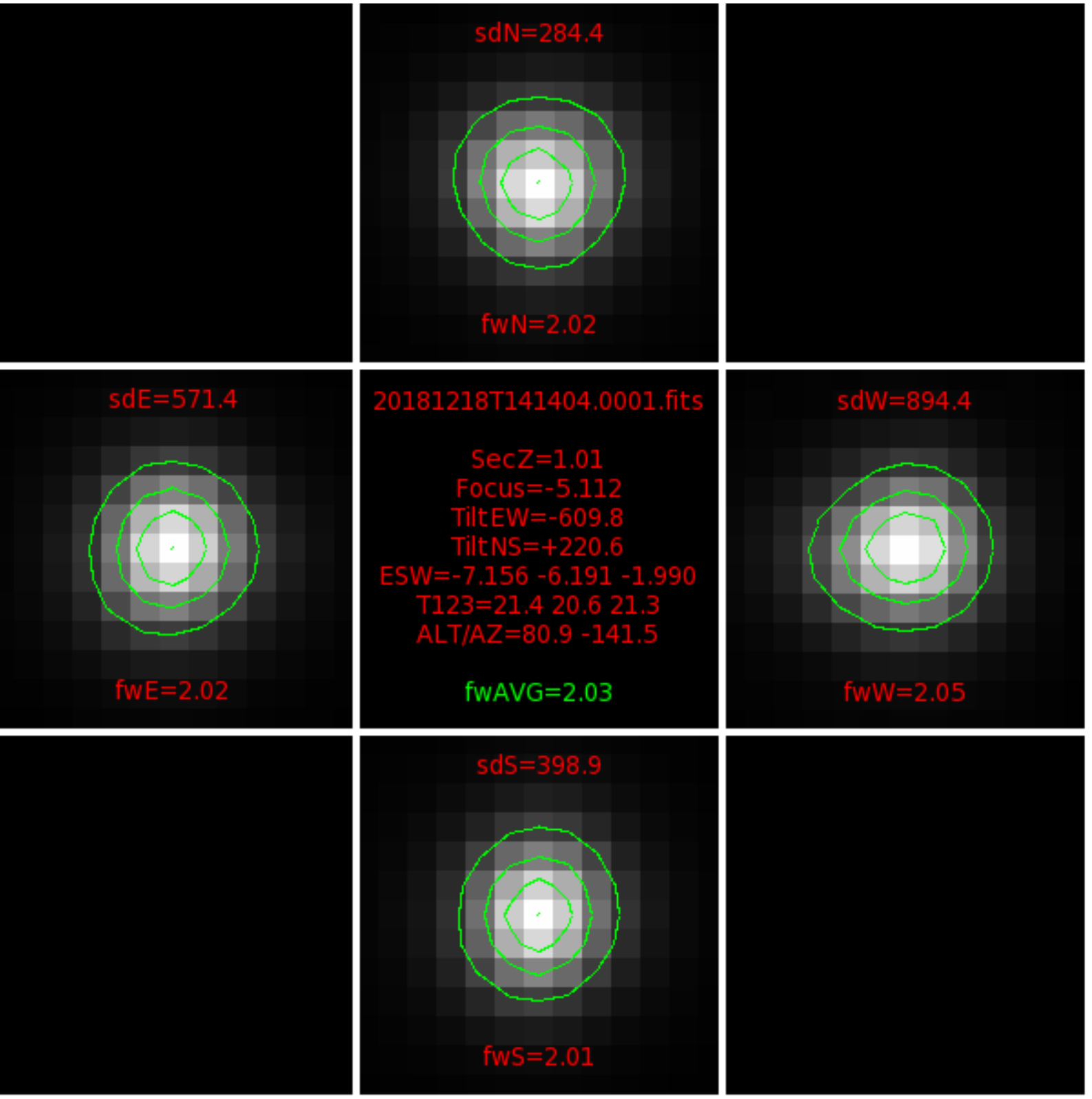
sdN=284.4
fwN=2.02
sdE=571.4
fwE=2.02
20181218T141404.0001.fits
SecZ=1.01
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.4 20.6 21.3
ALT/AZ=80.9 -141.5
fwAVG=2.03
sdW=894.4
fwW=2.05
sdS=398.9
fwS=2.01
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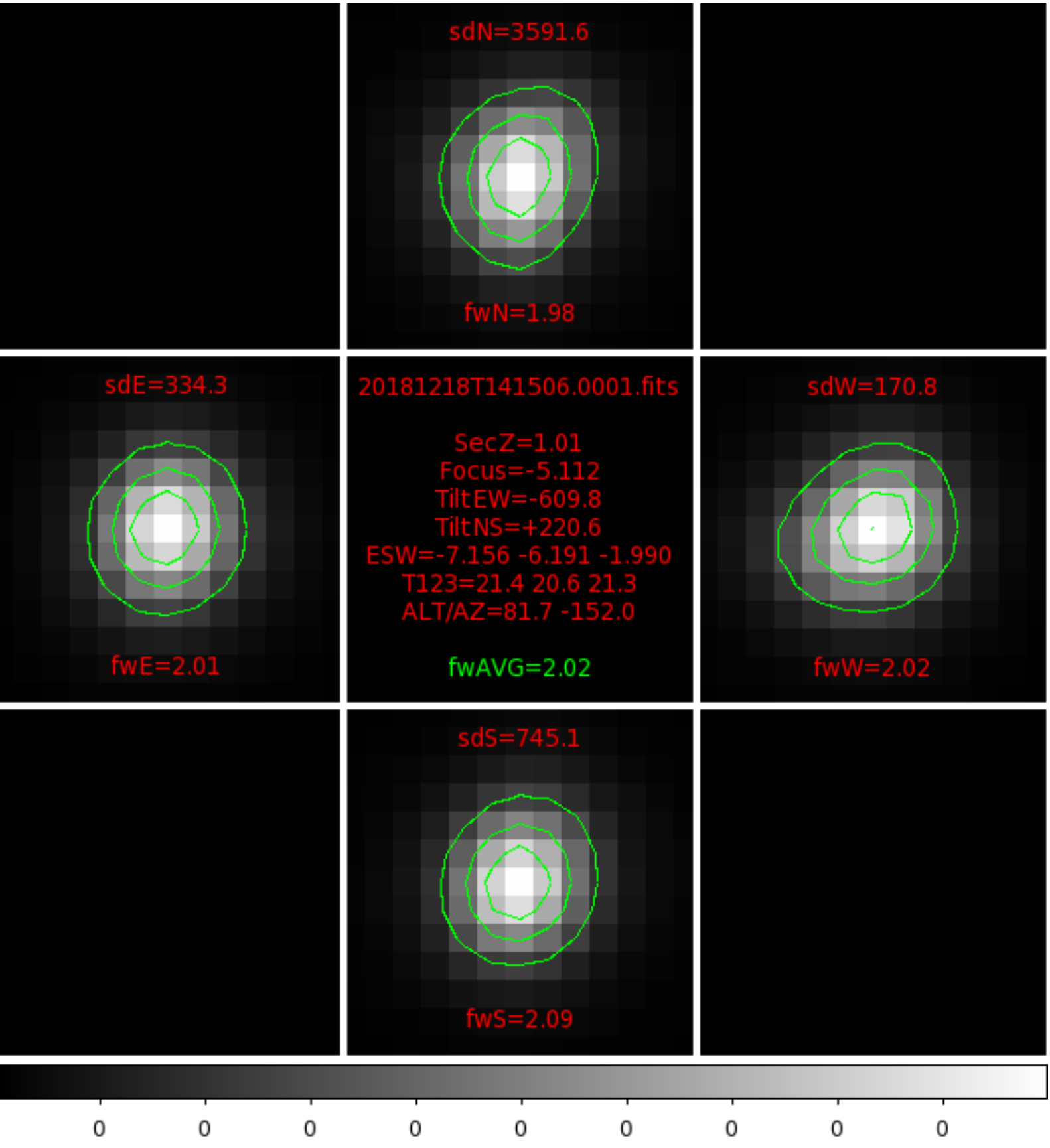
sdN=3591.6
fwN=1.98
sdE=334.3
fwE=2.01
20181218T141506.0001.fits
SecZ=1.01
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.4 20.6 21.3
ALT/AZ=81.7 -152.0
fwAVG=2.02
sdW=170.8
fwW=2.02
sdS=745.1
fwS=2.09
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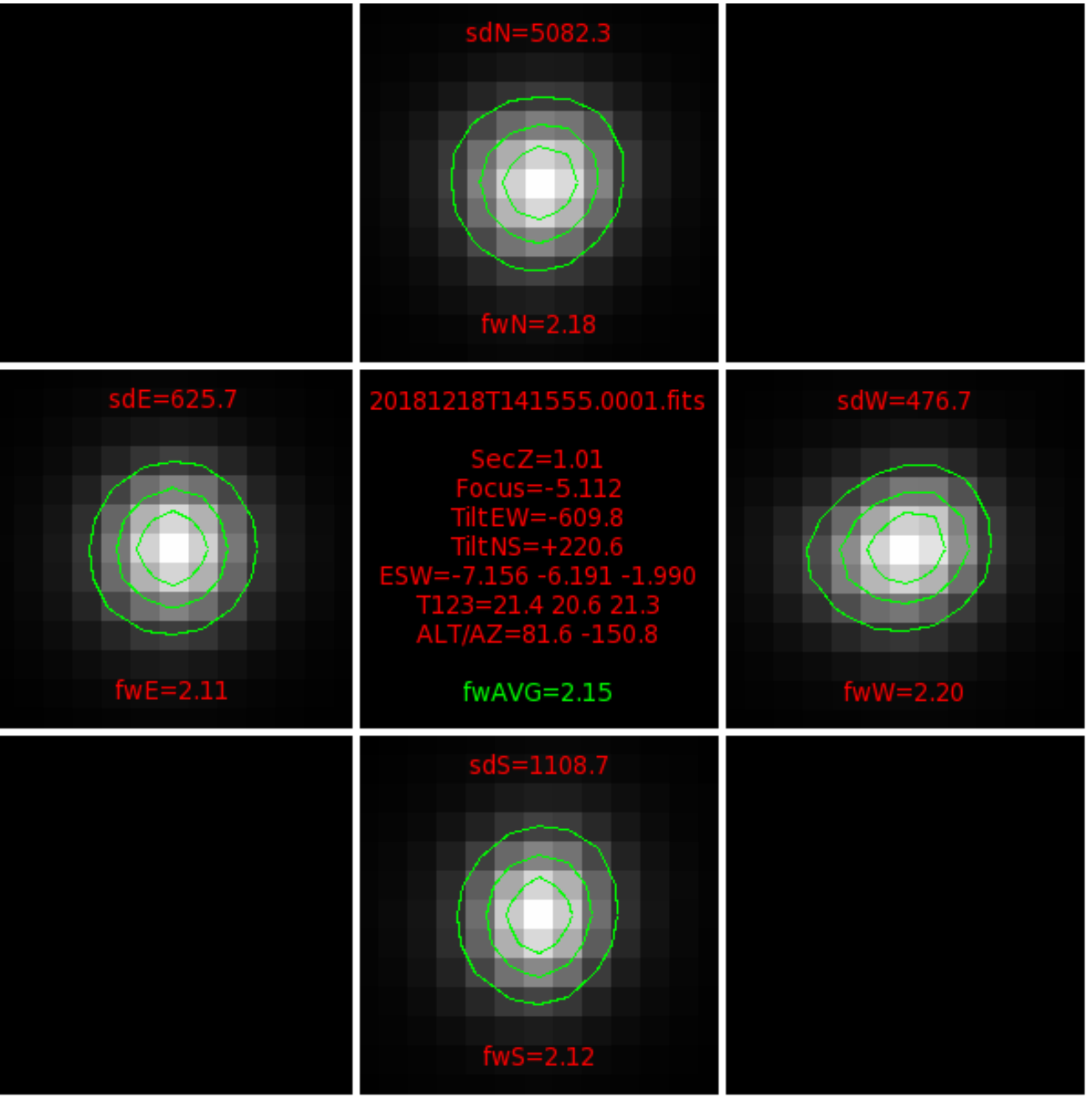
sdN=5082.3
fwN=2.18
sdE=625.7
fwE=2.11
20181218T141555.0001.fits
SecZ=1.01
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.4 20.6 21.3
ALT/AZ=81.6 -150.8
fwAVG=2.15
sdW=476.7
fwW=2.20
sdS=1108.7
fwS=2.12
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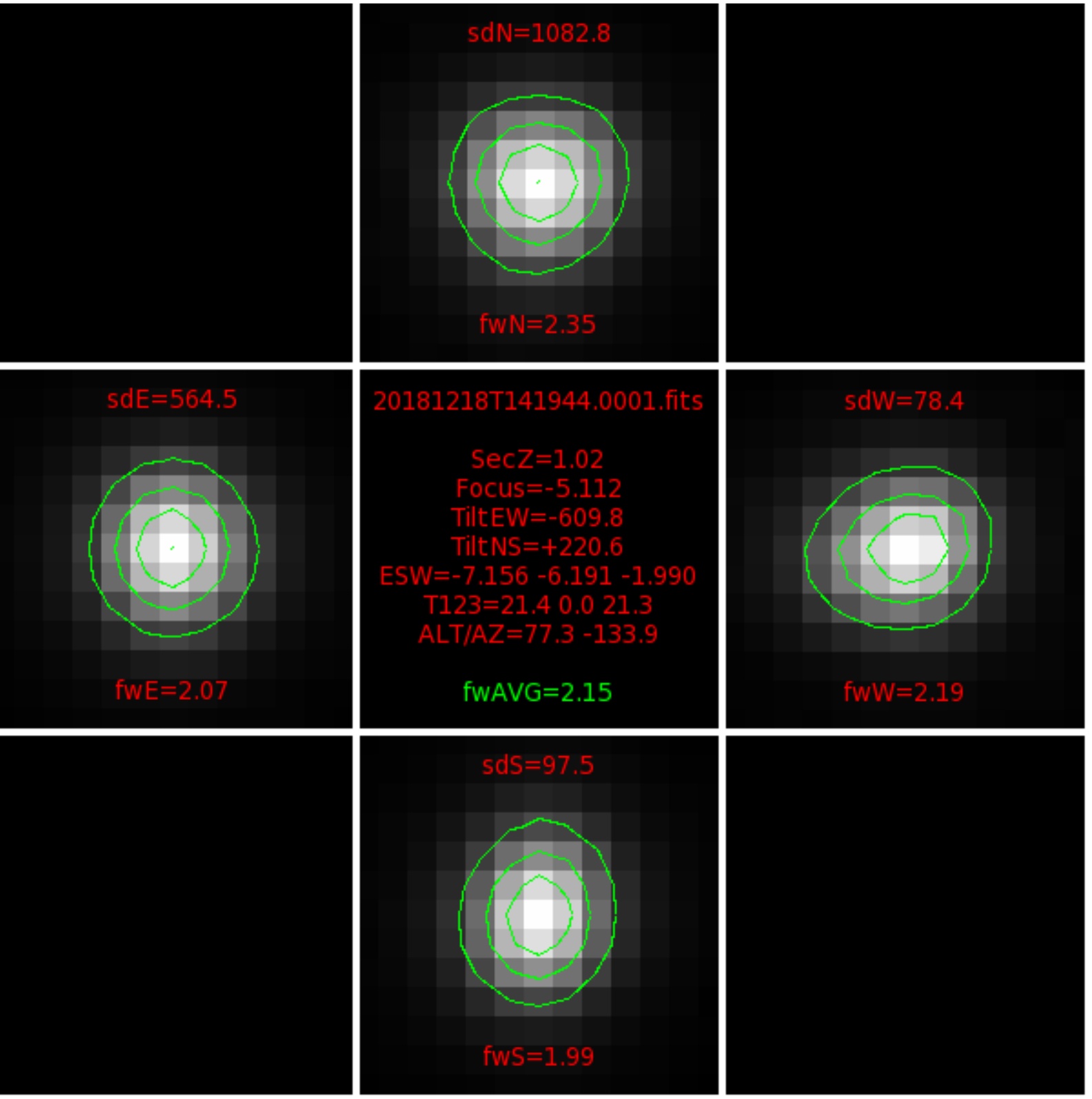
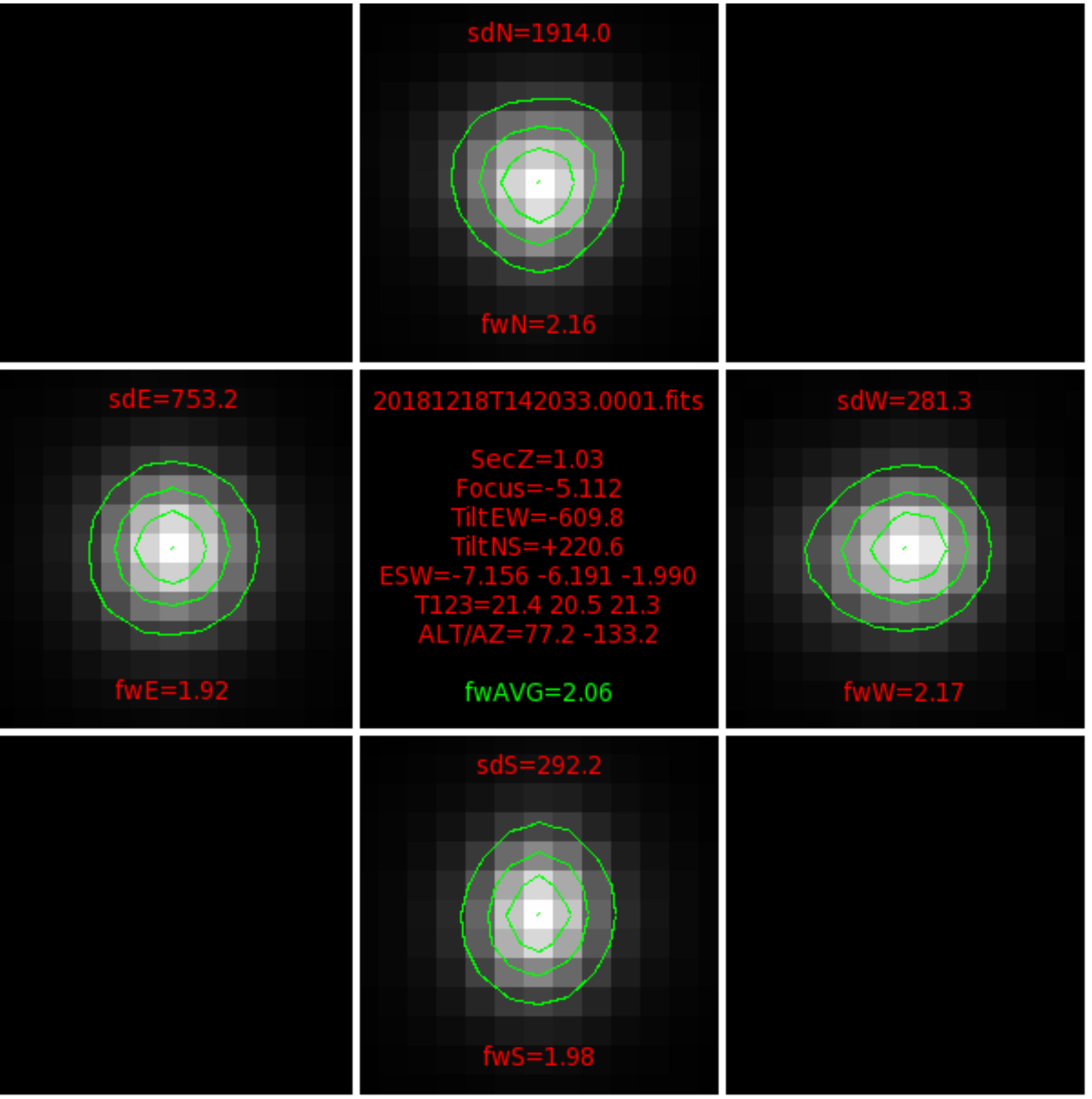

sdN=1082.8
fwN=2.35
sdE=564.5
fwE=2.07
20181218T141944.0001.fits
SecZ=1.02
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.4 0.0 21.3
ALT/AZ=77.3 -133.9
fwAVG=2.15
sdW=78.4
fwW=2.19
sdS=97.5
fwS=1.99
0 0 0 0 0 0 0 0 0


sdN=1914.0
fwN=2.16
sdE=753.2
fwE=1.92
20181218T142033.0001.fits
SecZ=1.03
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.4 20.5 21.3
ALT/AZ=77.2 -133.2
fwAVG=2.06
sdW=281.3
fwW=2.17
sdS=292.2
fwS=1.98
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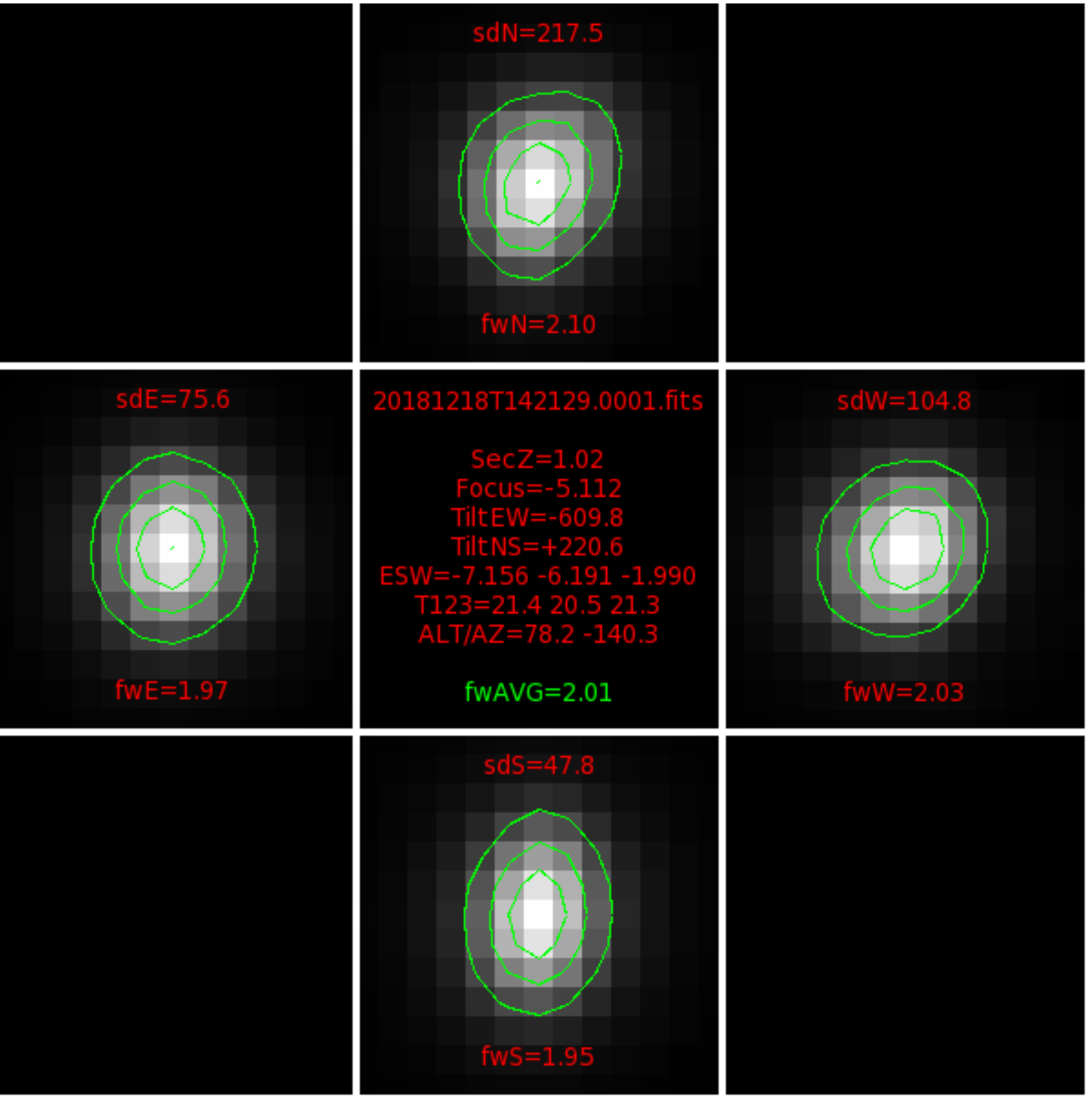
sdN=217.5
fwN=2.10
sdE=75.6
fwE=1.97
20181218T142129.0001.fits
SecZ=1.02
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.4 20.5 21.3
ALT/AZ=78.2 -140.3
fwAVG=2.01
sdW=104.8
fwW=2.03
sdS=47.8
fwS=1.95
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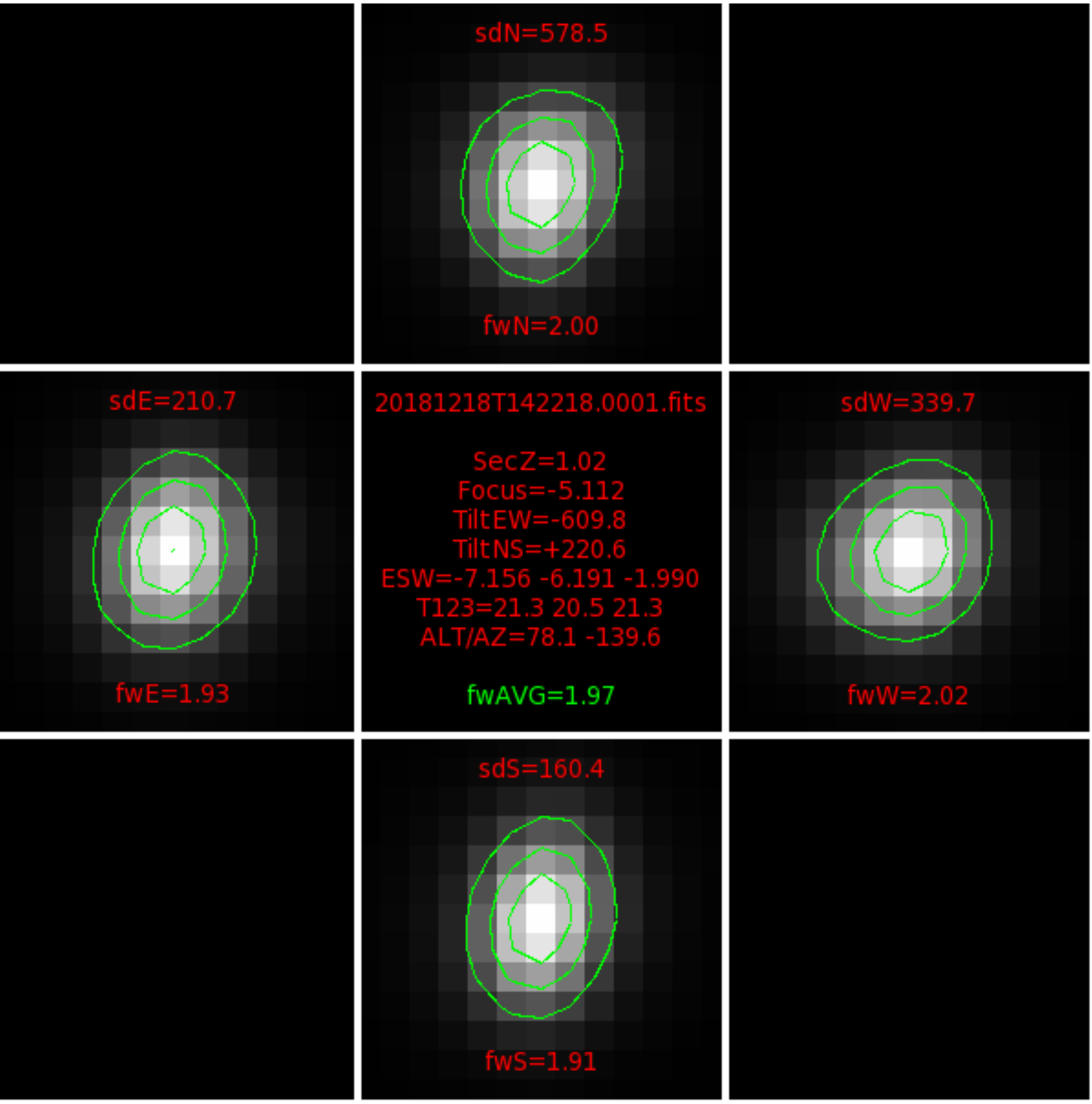
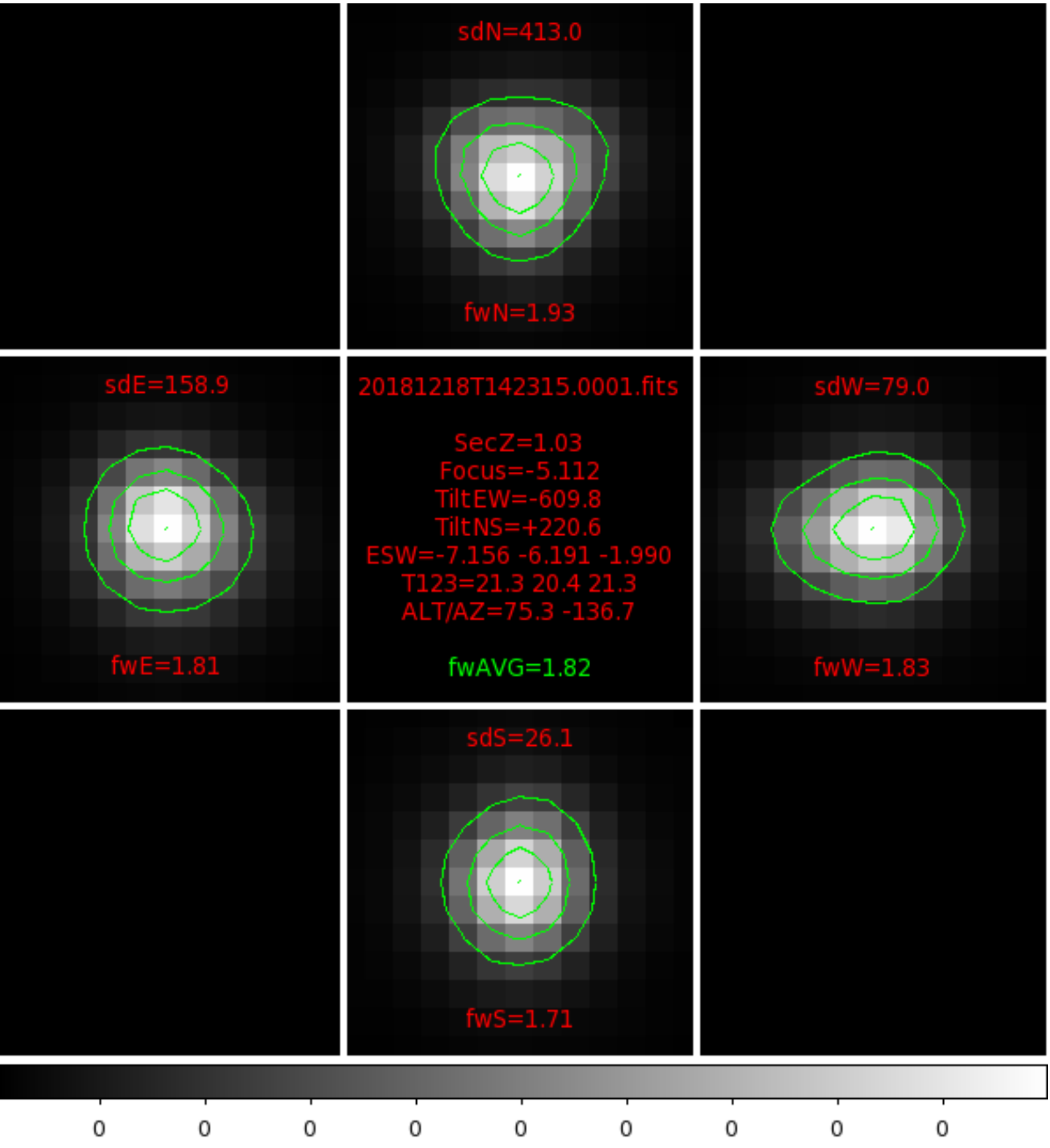

sdN=578.5
fwN=2.00
sdE=210.7
fwE=1.93
20181218T142218.0001.fits
SecZ=1.02
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.3 20.5 21.3
ALT/AZ=78.1 -139.6
fwAVG=1.97
sdW=339.7
fwW=2.02
sdS=160.4
fwS=1.91
0 0 0 0 0 0 0 0 0


sdN=413.0
fwN=1.93
sdE=158.9
fwE=1.81
20181218T142315.0001.fits
SecZ=1.03
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.3 20.4 21.3
ALT/AZ=75.3 -136.7
fwAVG=1.82
sdW=79.0
fwW=1.83
sdS=26.1
fwS=1.71
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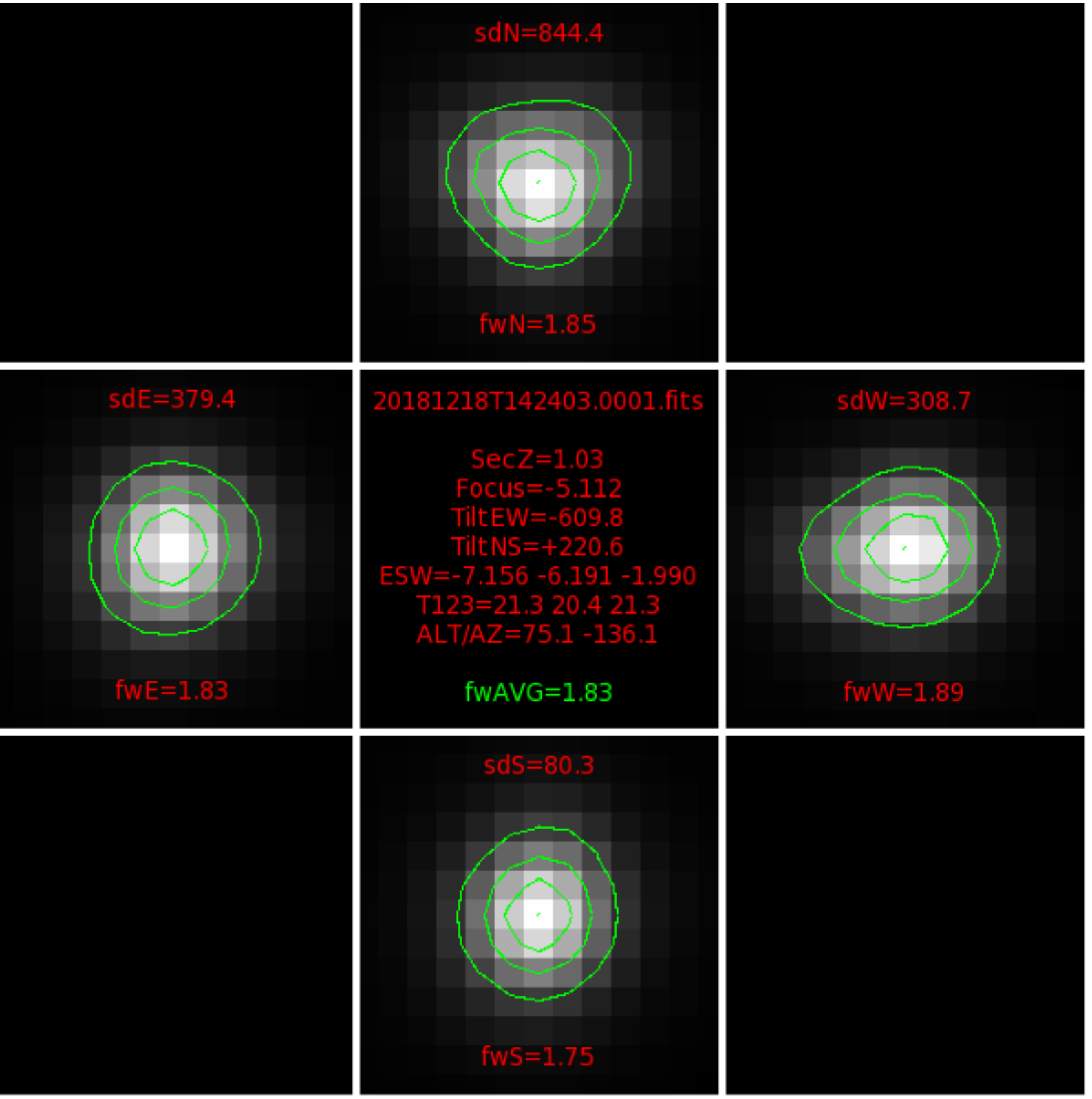
sdN=844.4
fwN=1.85
sdE=379.4
fwE=1.83
20181218T142403.0001.fits
SecZ=1.03
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.3 20.4 21.3
ALT/AZ=75.1 -136.1
fwAVG=1.83
sdW=308.7
fwW=1.89
sdS=80.3
fwS=1.75
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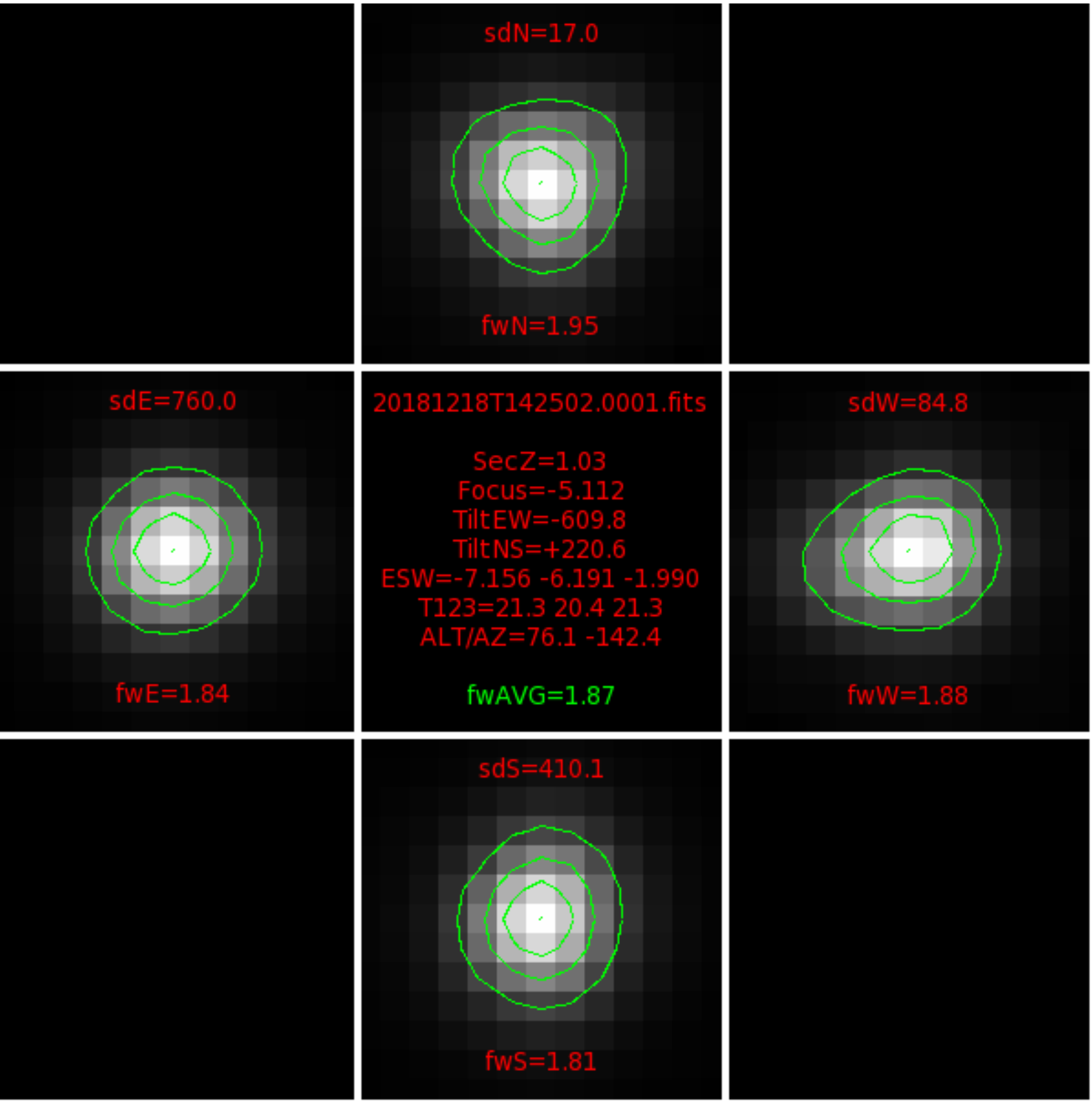
sdN=17.0
fwN=1.95
sdE=760.0
fwE=1.84
20181218T142502.0001.fits
SecZ=1.03
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.3 20.4 21.3
ALT/AZ=76.1 -142.4
fwAVG=1.87
sdW=84.8
fwW=1.88
sdS=410.1
fwS=1.81
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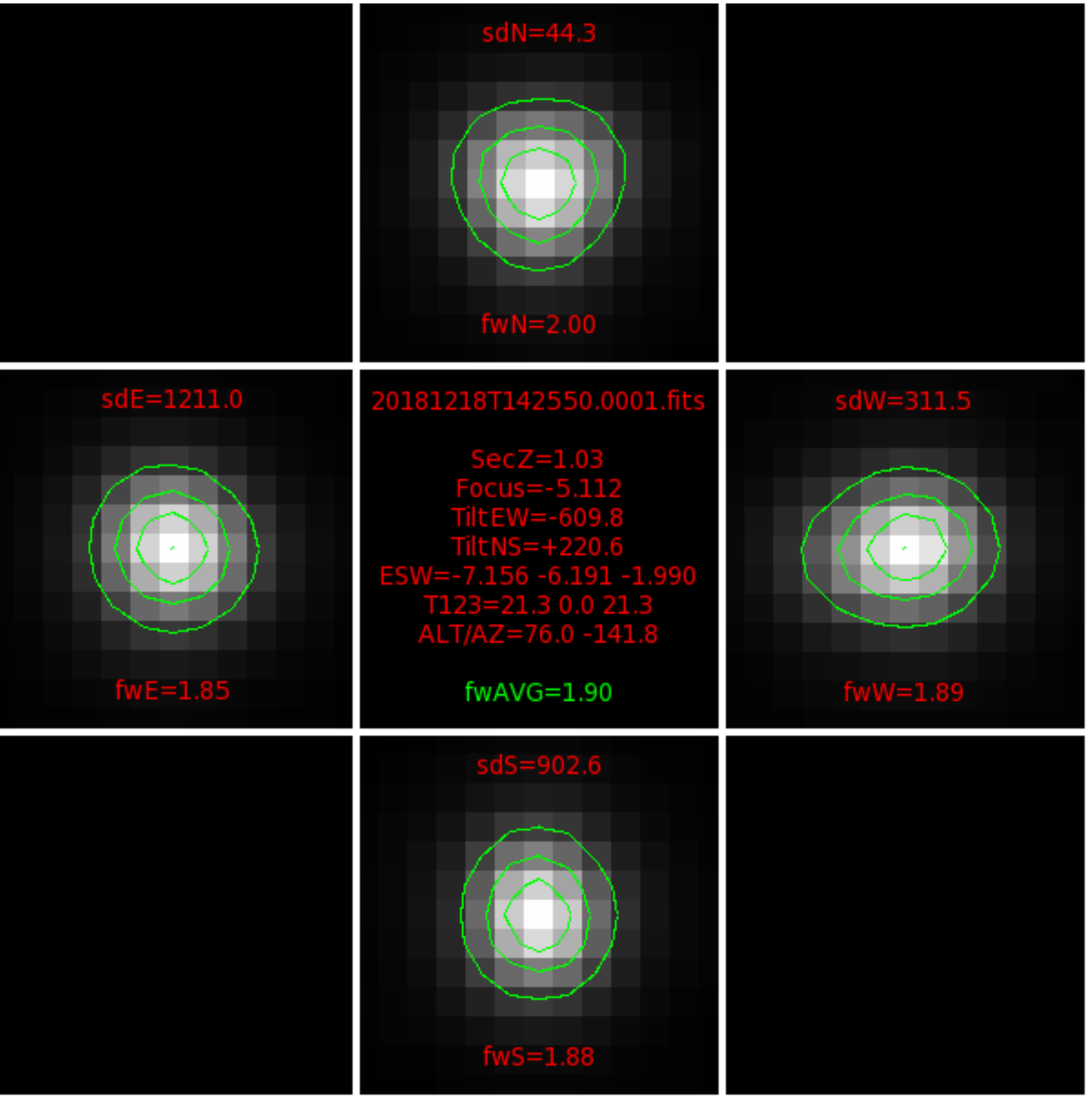
sdN=44.3
fwN=2.00
sdE=1211.0
fwE=1.85
20181218T142550.0001.fits
SecZ=1.03
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.3 0.0 21.3
ALT/AZ=76.0 -141.8
fwAVG=1.90
sdW=311.5
fwW=1.89
sdS=902.6
fwS=1.88
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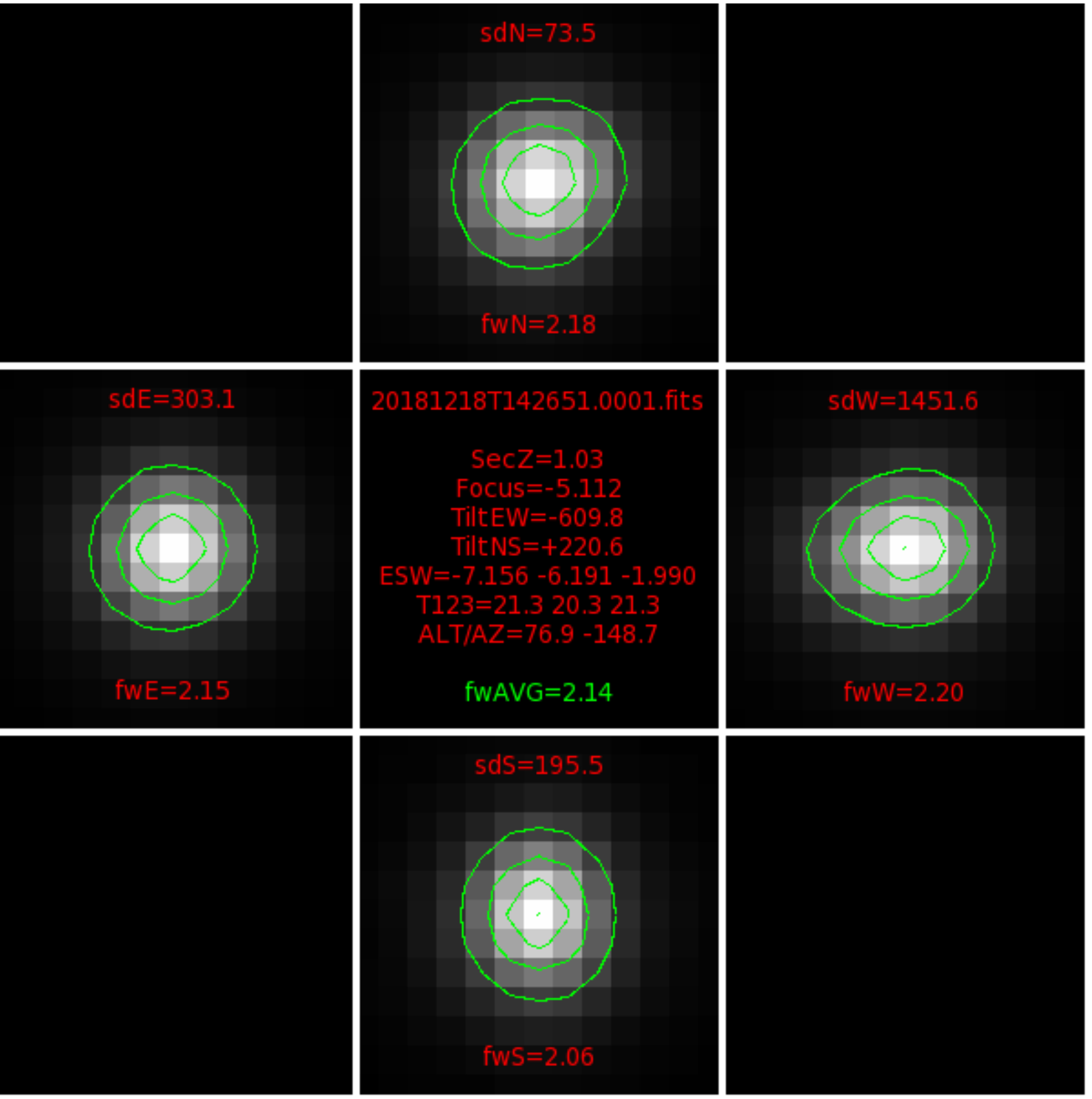
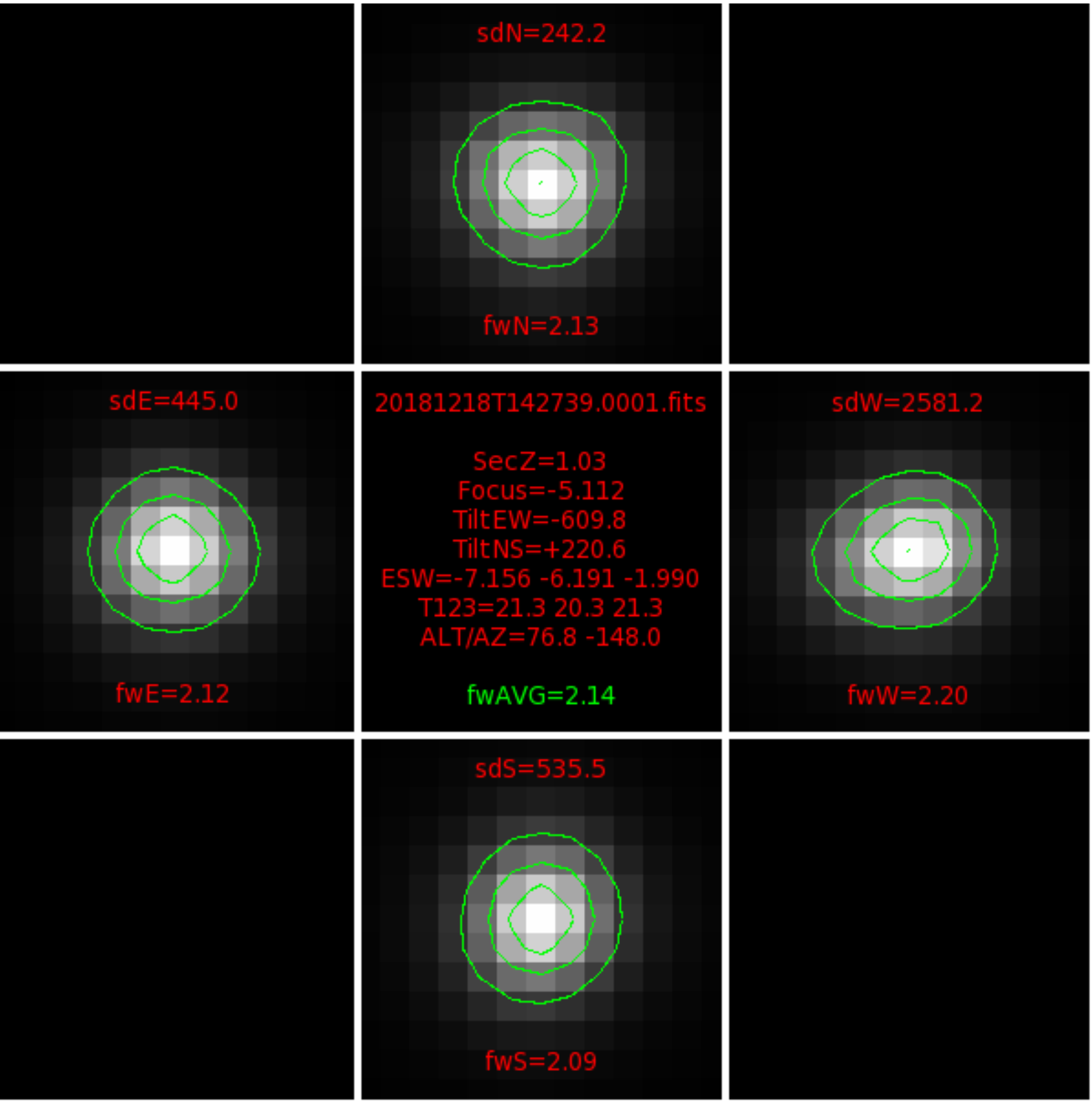
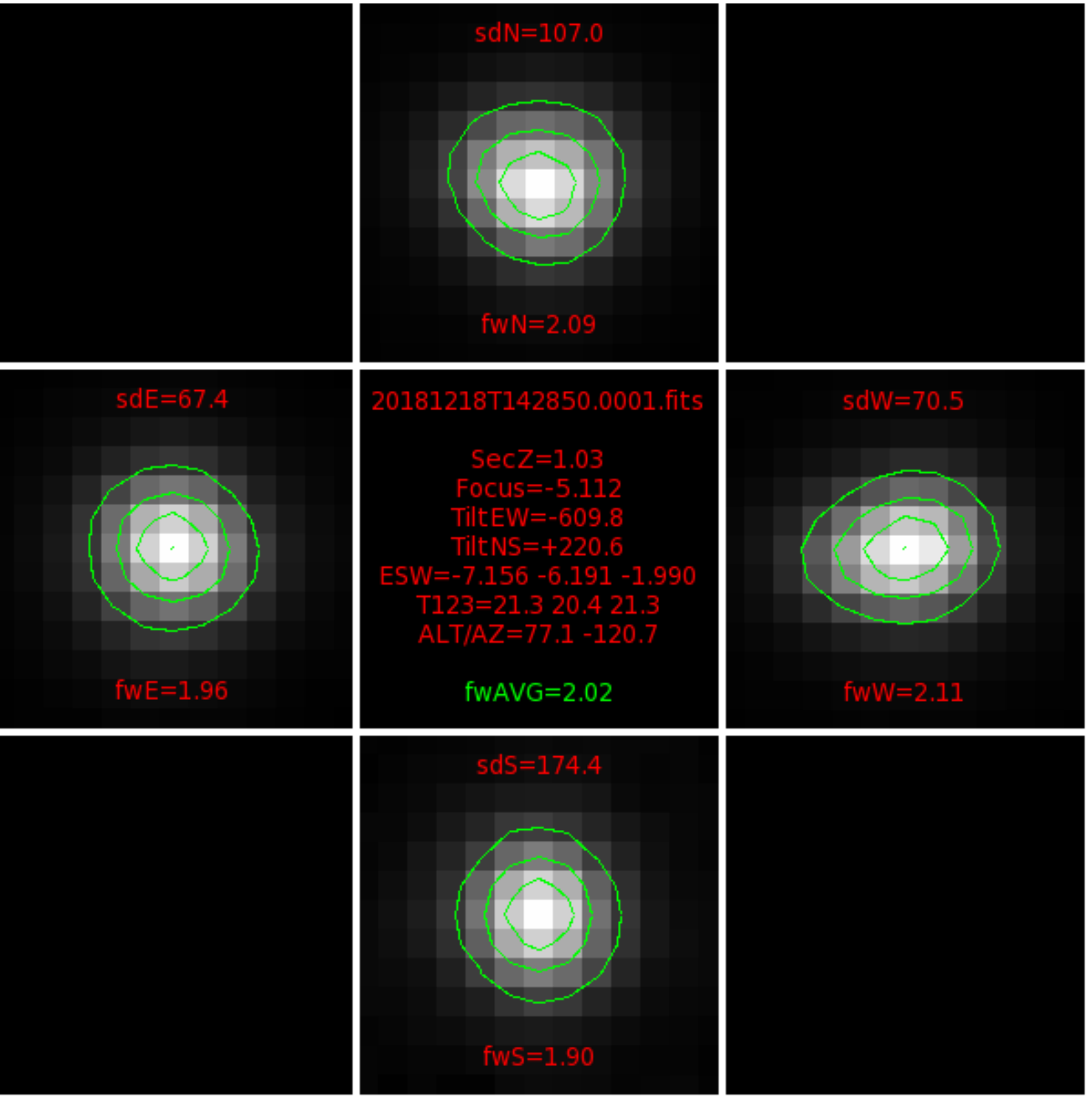
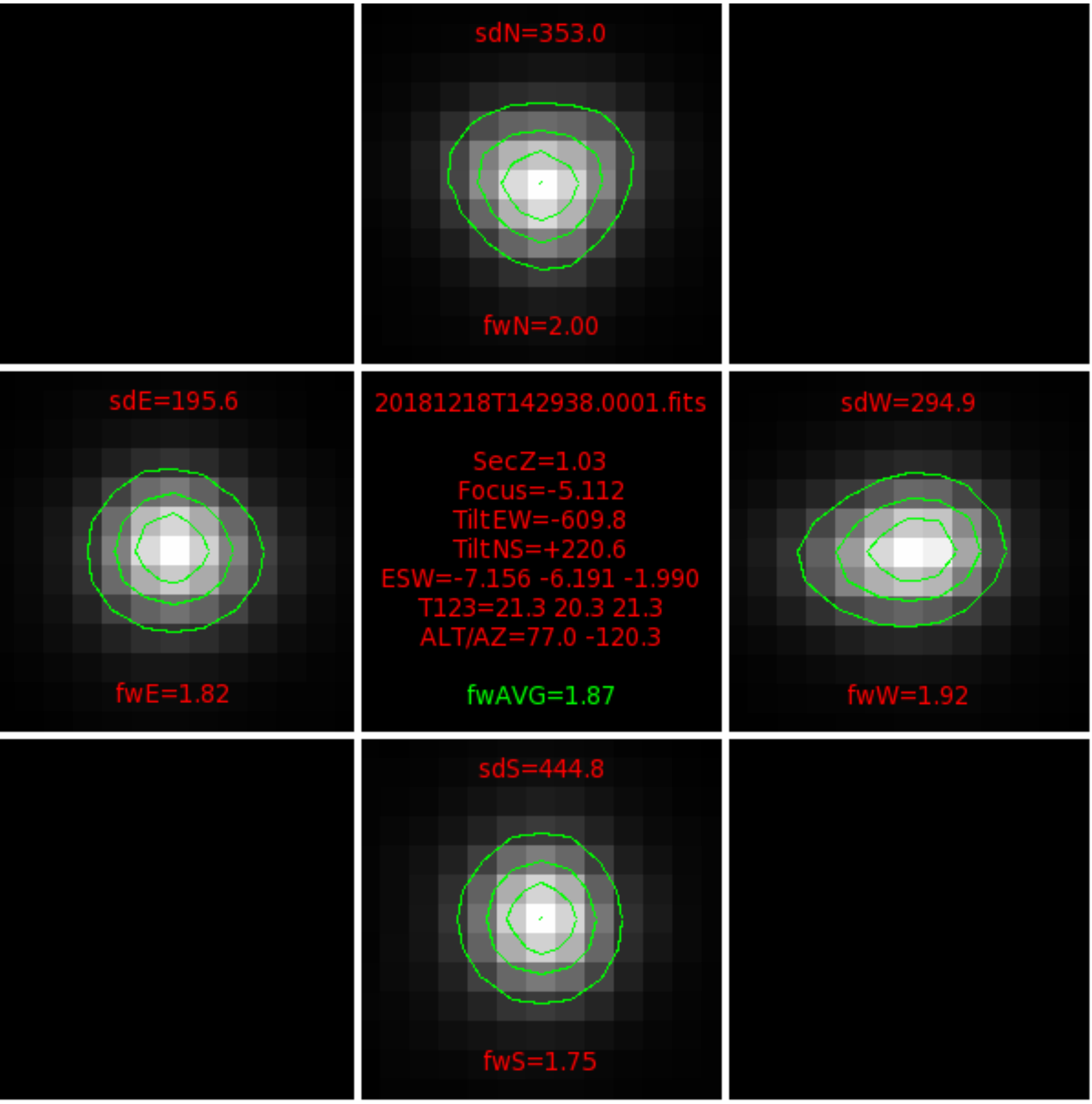
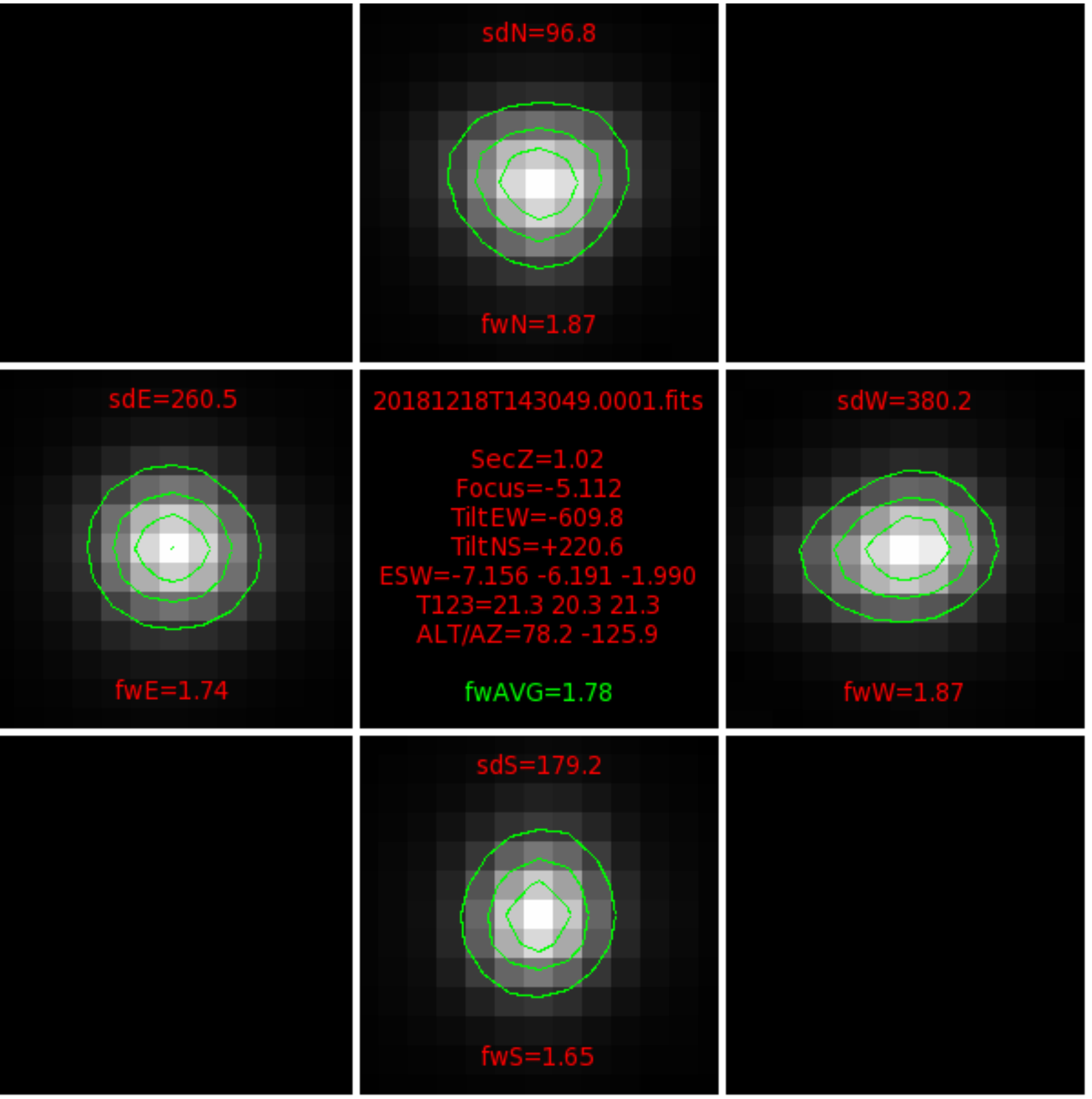

sdN=73.5
fwN=2.18
sdE=303.1
fwE=2.15
20181218T142651.0001.fits
SecZ=1.03
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.3 20.3 21.3
ALT/AZ=76.9 -148.7
fwAVG=2.14
sdW=1451.6
fwW=2.20
sdS=195.5
fwS=2.06
0 0 0 0 0 0 0 0 0


sdN=242.2
fwN=2.13
sdE=445.0
fwE=2.12
20181218T142739.0001.fits
SecZ=1.03
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.3 20.3 21.3
ALT/AZ=76.8 -148.0
fwAVG=2.14
sdW=2581.2
fwW=2.20
sdS=535.5
fwS=2.09
0 0 0 0 0 0 0 0 0


sdN=107.0
fwN=2.09
sdE=67.4
fwE=1.96
20181218T142850.0001.fits
SecZ=1.03
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.3 20.4 21.3
ALT/AZ=77.1 -120.7
fwAVG=2.02
sdW=70.5
fwW=2.11
sdS=174.4
fwS=1.90
0 0 0 0 0 0 0 0 0


sdN=353.0
fwN=2.00
sdE=195.6
fwE=1.82
20181218T142938.0001.fits
SecZ=1.03
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.3 20.3 21.3
ALT/AZ=77.0 -120.3
fwAVG=1.87
sdW=294.9
fwW=1.92
sdS=444.8
fwS=1.75
0 0 0 0 0 0 0 0 0


sdN=96.8
fwN=1.87
sdE=260.5
fwE=1.74
20181218T143049.0001.fits
SecZ=1.02
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.3 20.3 21.3
ALT/AZ=78.2 -125.9
fwAVG=1.78
sdW=380.2
fwW=1.87
sdS=179.2
fwS=1.65
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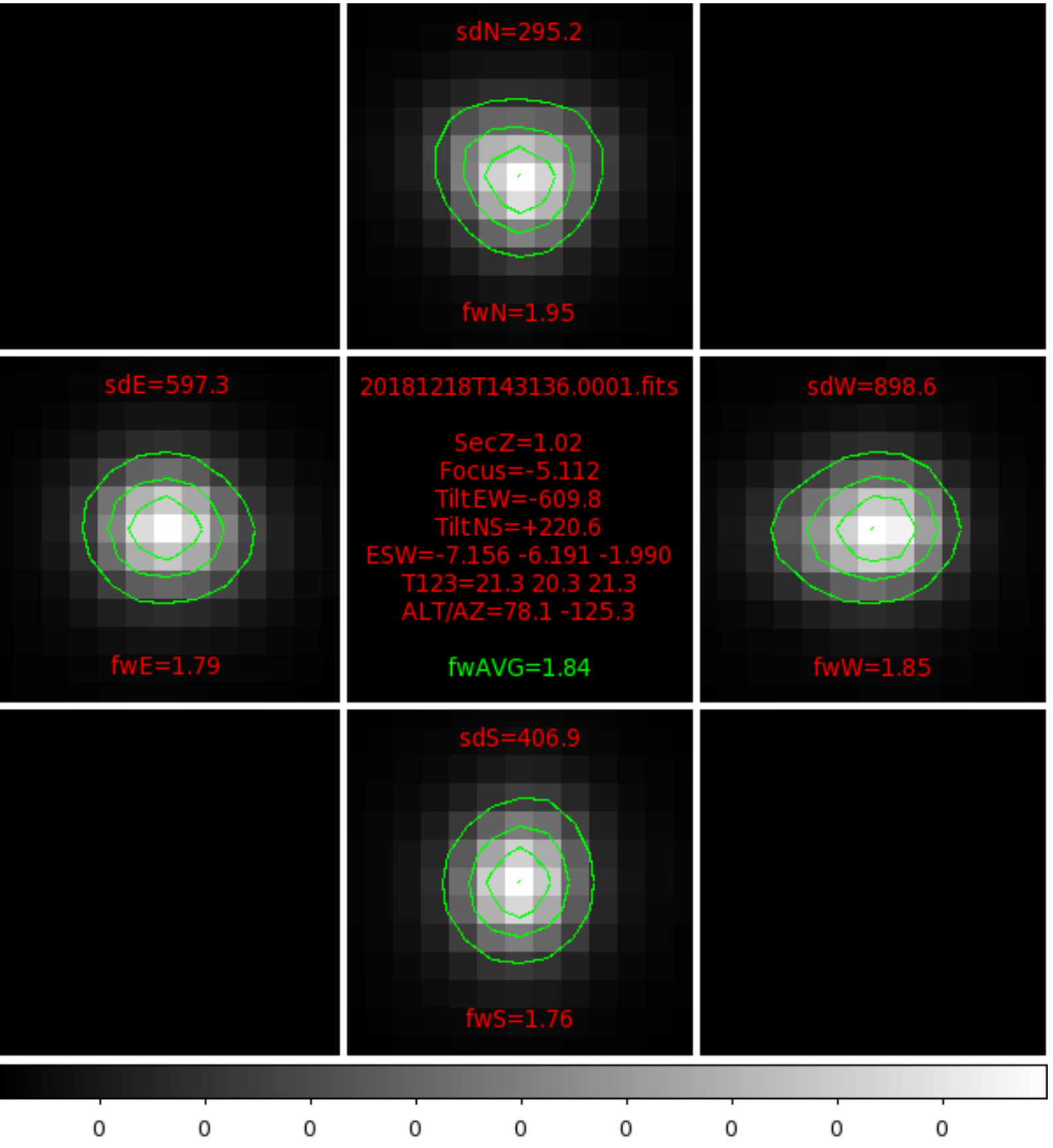
sdN=295.2
fwN=1.95
sdE=597.3
fwE=1.79
20181218T143136.0001.fits
SecZ=1.02
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.3 20.3 21.3
ALT/AZ=78.1 -125.3
fwAVG=1.84
sdW=898.6
fwW=1.85
sdS=406.9
fwS=1.76
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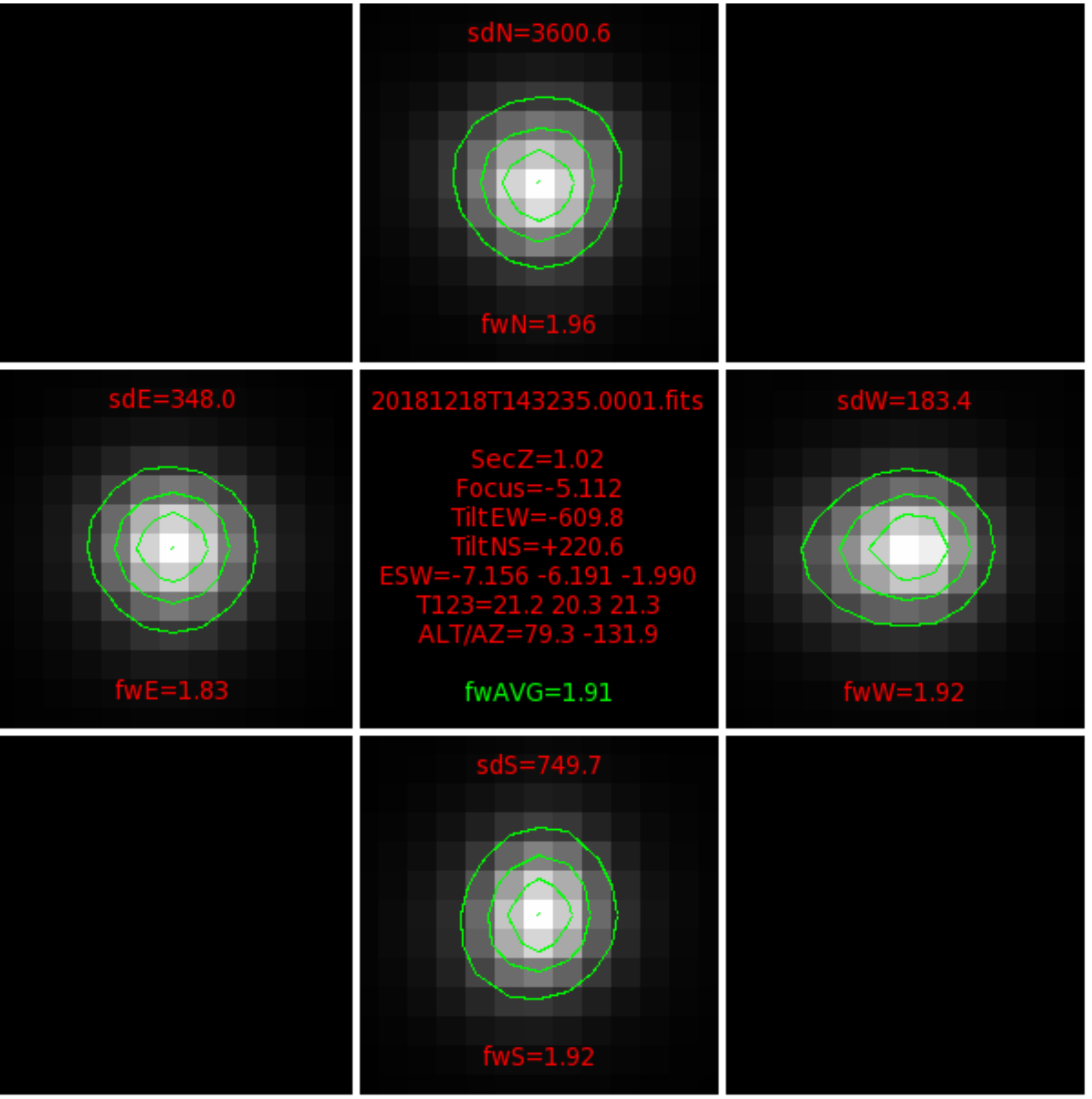
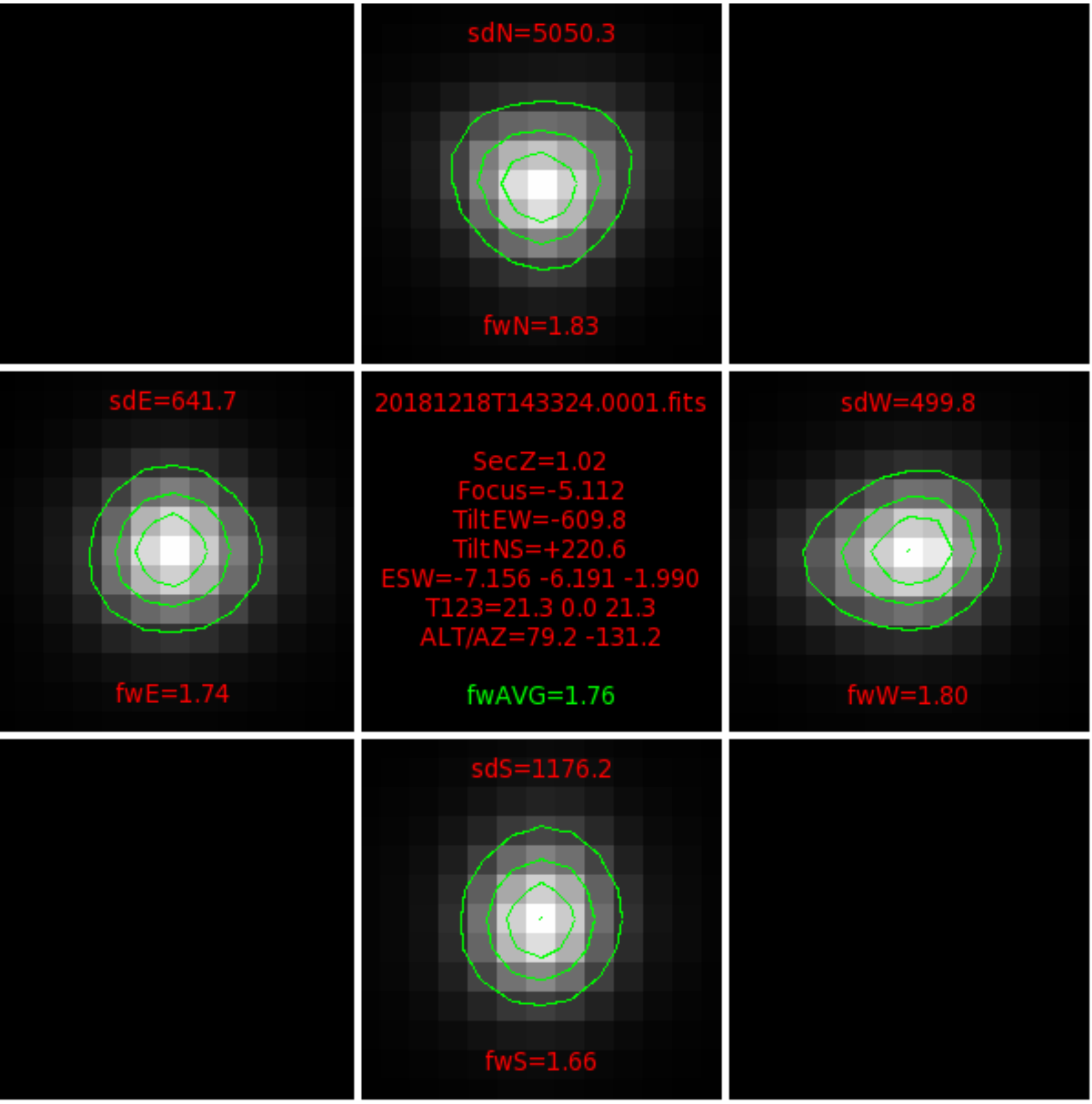

sdN=3600.6
fwN=1.96
sdE=348.0
fwE=1.83
20181218T143235.0001.fits
SecZ=1.02
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.2 20.3 21.3
ALT/AZ=79.3 -131.9
fwAVG=1.91
sdW=183.4
fwW=1.92
sdS=749.7
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=5050.3
fwN=1.83
sdE=641.7
fwE=1.74
20181218T143324.0001.fits
SecZ=1.02
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.3 0.0 21.3
ALT/AZ=79.2 -131.2
fwAVG=1.76
sdW=499.8
fwW=1.80
sdS=1176.2
fwS=1.66
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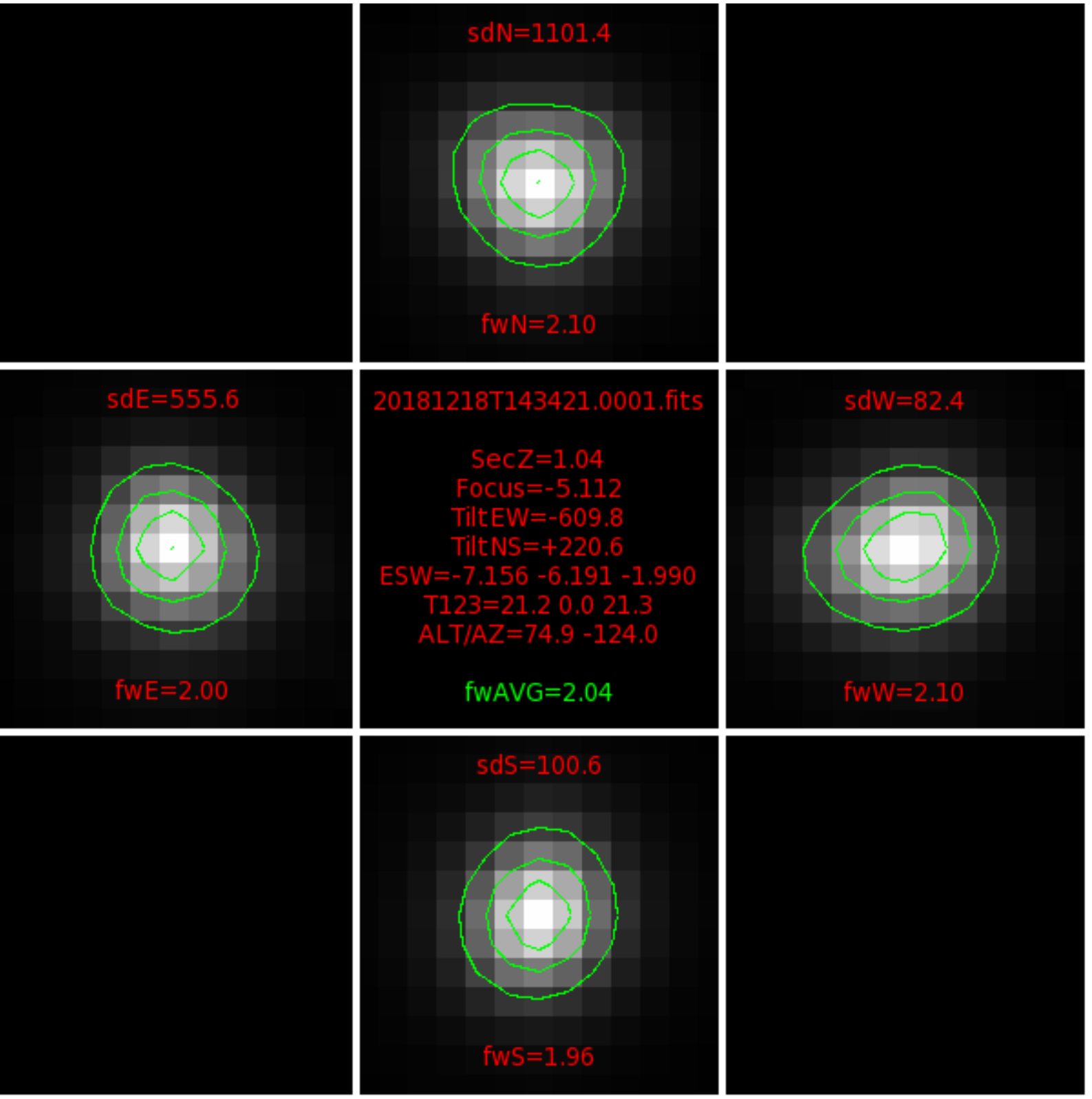
sdN=1101.4
fwN=2.10
sdE=555.6
fwE=2.00
20181218T143421.0001.fits
SecZ=1.04
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.2 0.0 21.3
ALT/AZ=74.9 -124.0
fwAVG=2.04
sdW=82.4
fwW=2.10
sdS=100.6
fwS=1.96
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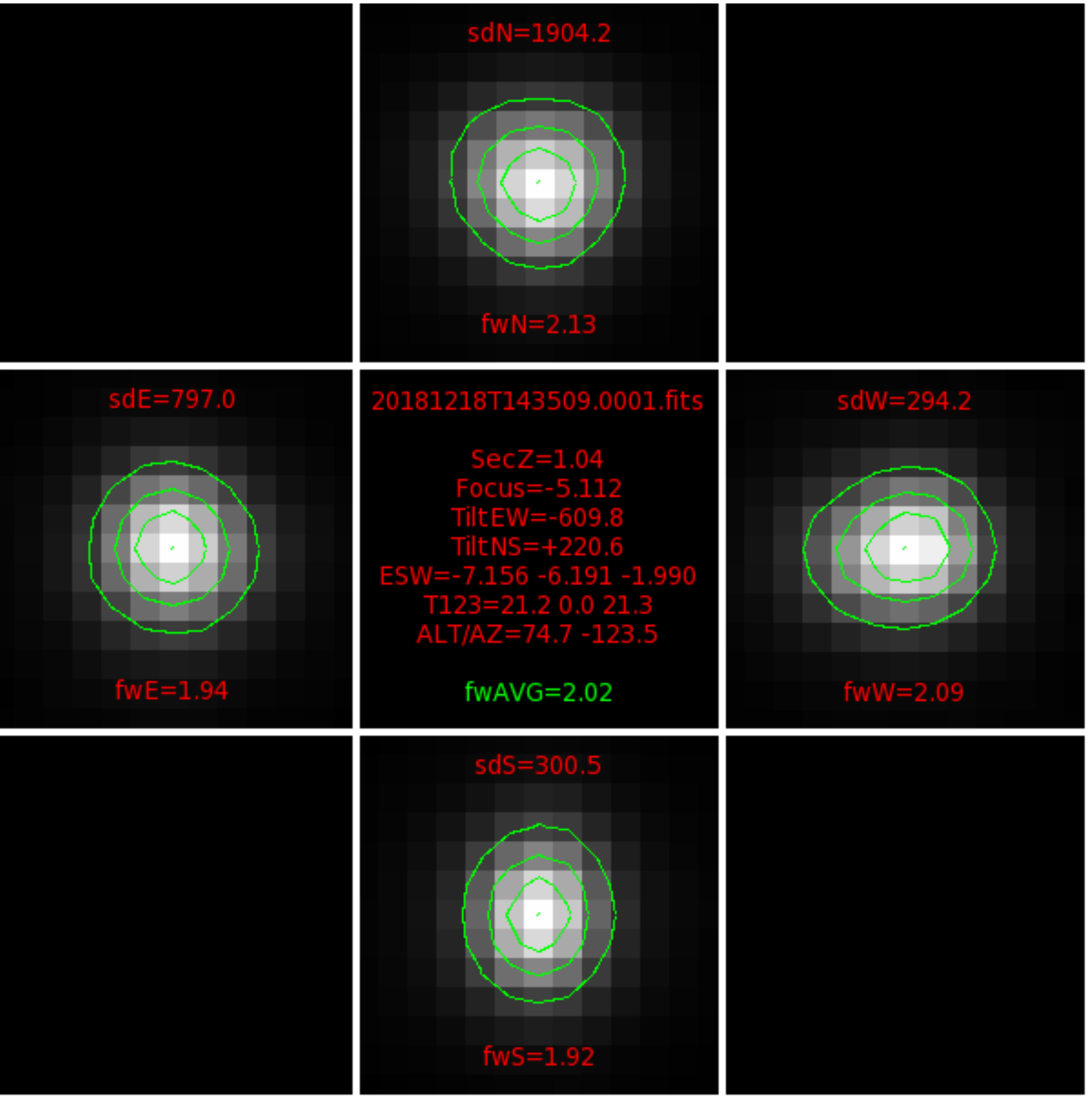
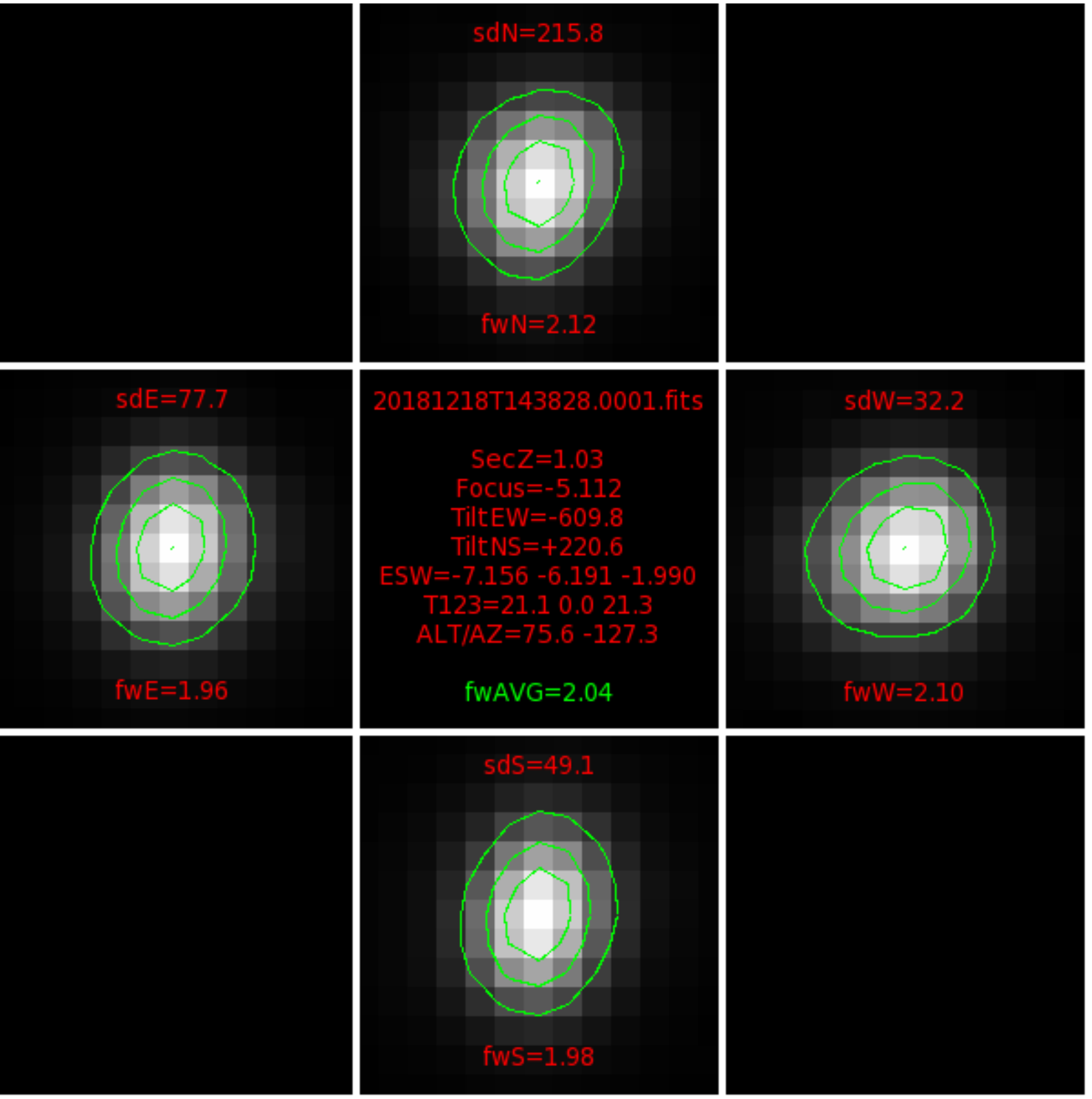

sdN=1904.2
fwN=2.13
sdE=797.0
fwE=1.94
20181218T143509.0001.fits
SecZ=1.04
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.2 0.0 21.3
ALT/AZ=74.7 -123.5
fwAVG=2.02
sdW=294.2
fwW=2.09
sdS=300.5
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=215.8
fwN=2.12
sdE=77.7
fwE=1.96
20181218T143828.0001.fits
SecZ=1.03
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.1 0.0 21.3
ALT/AZ=75.6 -127.3
fwAVG=2.04
sdW=32.2
fwW=2.10
sdS=49.1
fwS=1.98
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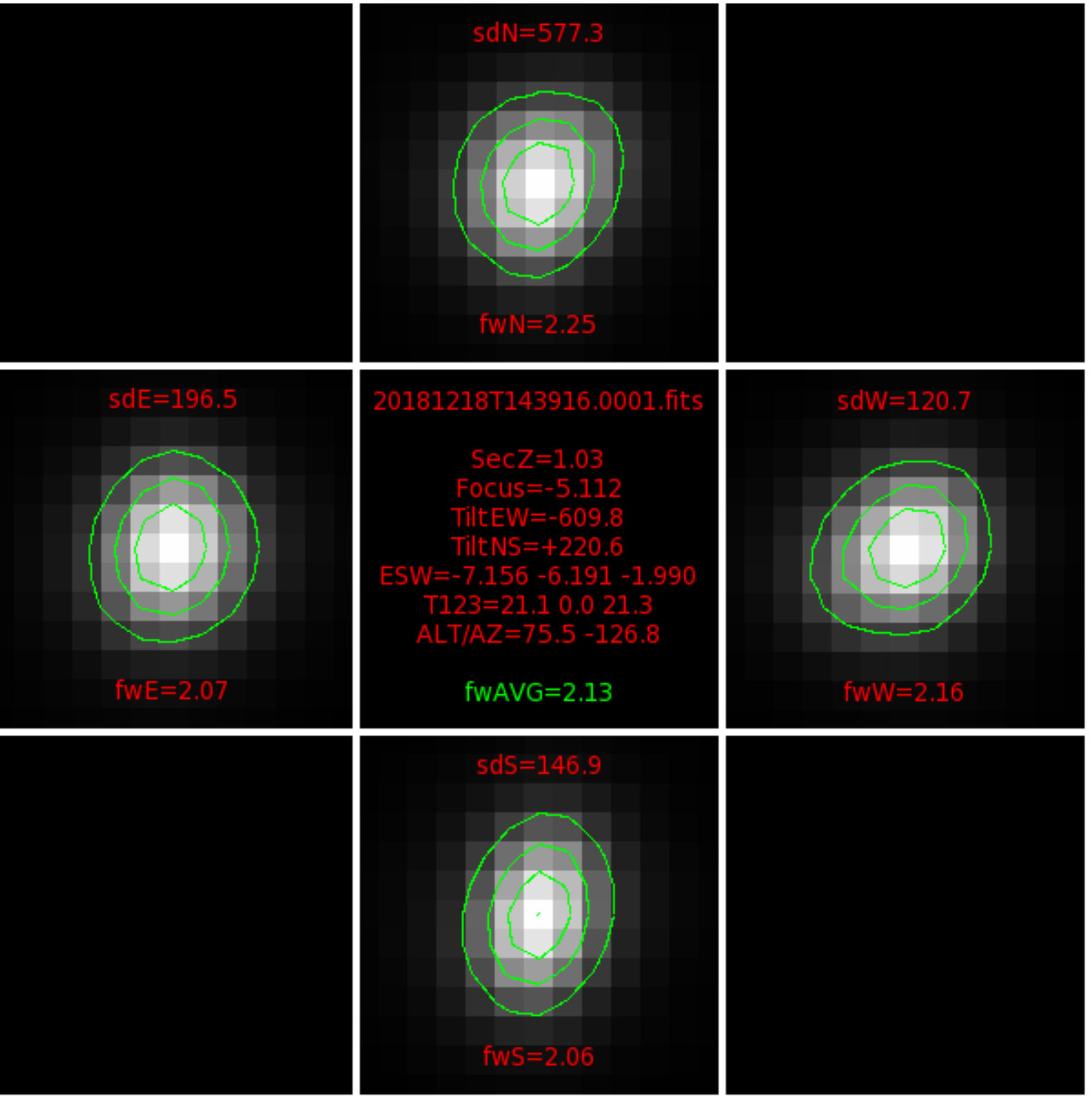
sdN=577.3
fwN=2.25
sdE=196.5
fwE=2.07
20181218T143916.0001.fits
SecZ=1.03
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.1 0.0 21.3
ALT/AZ=75.5 -126.8
fwAVG=2.13
sdW=120.7
fwW=2.16
sdS=146.9
fwS=2.06
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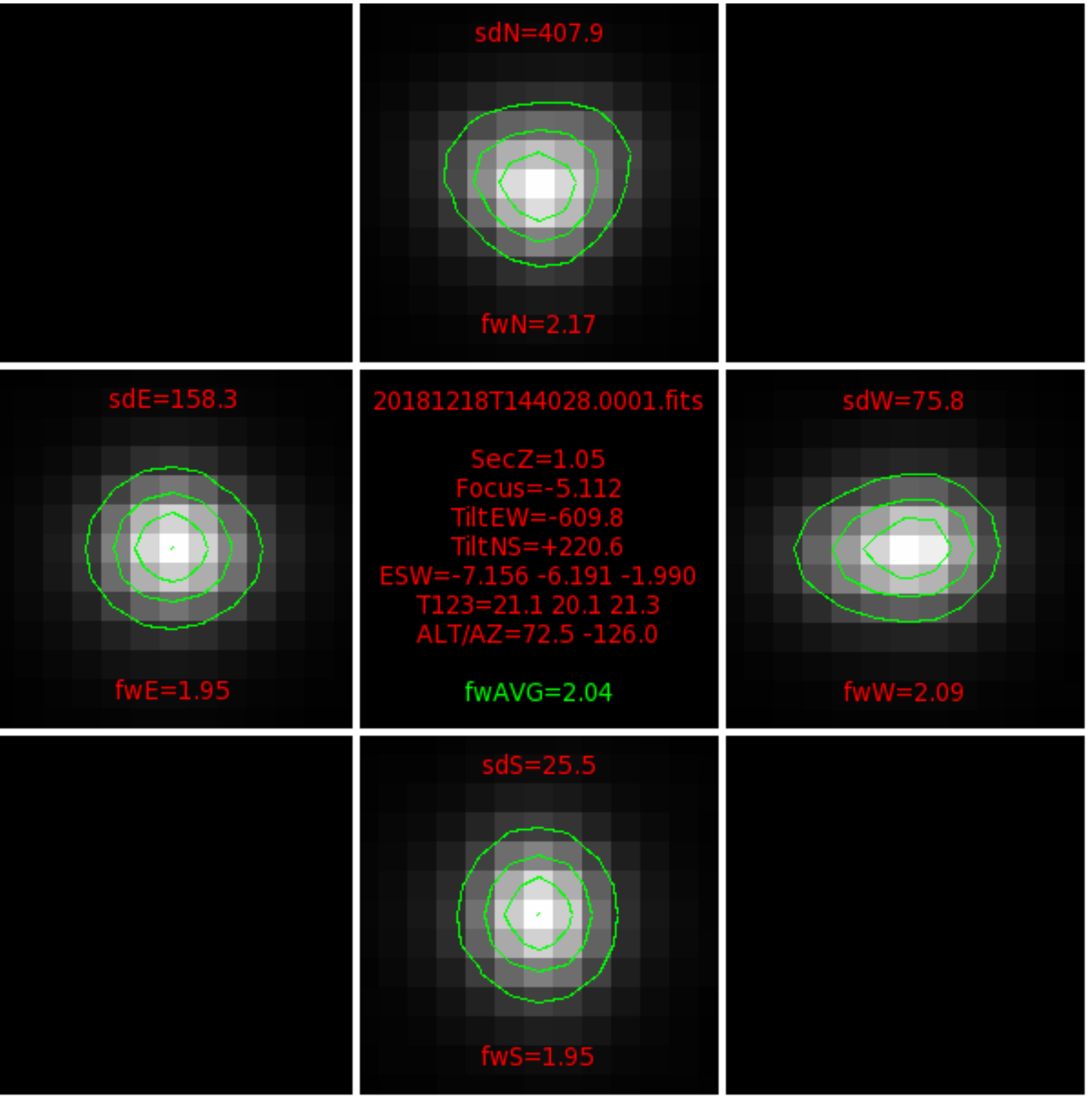
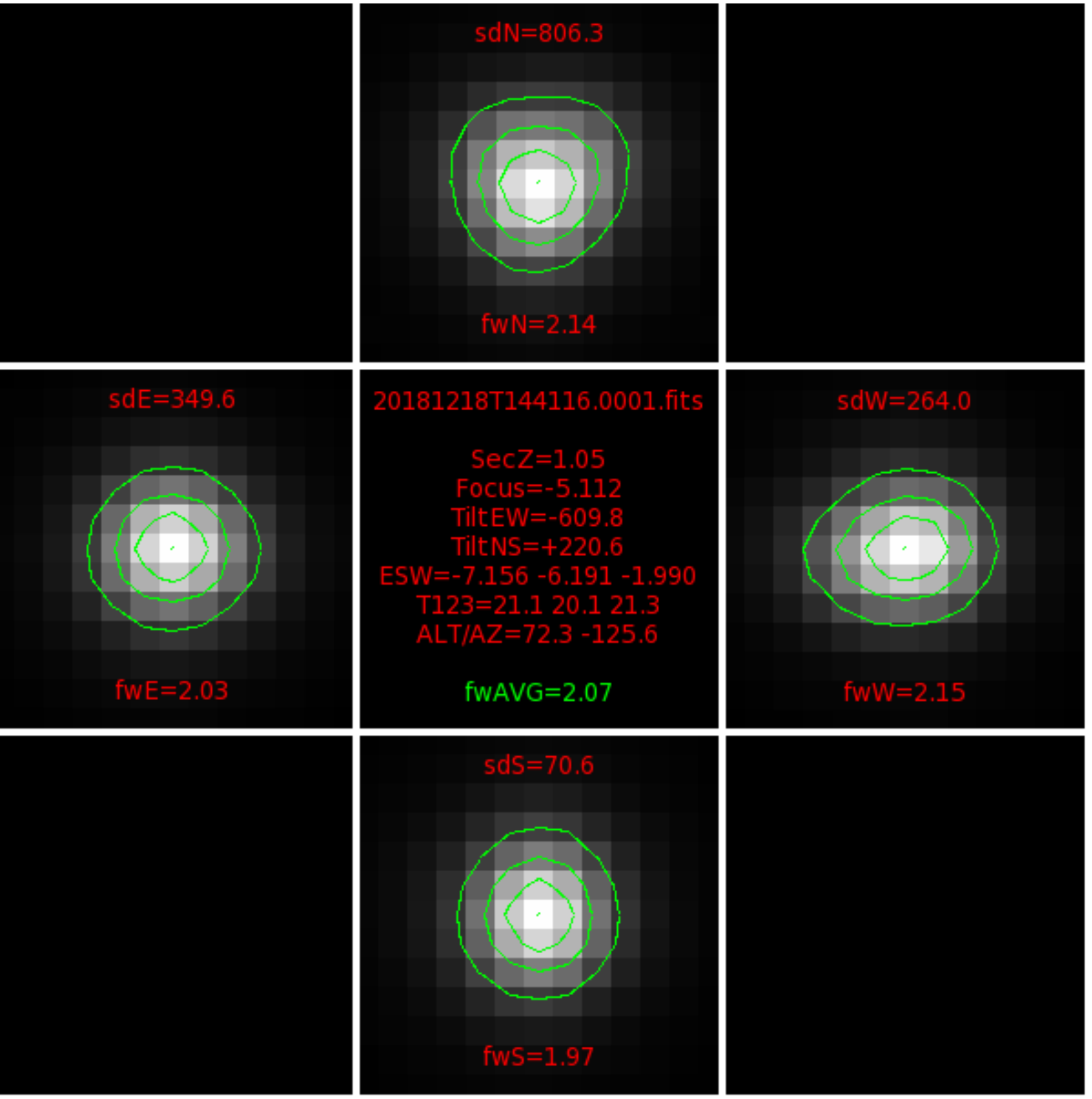

sdN=407.9
fwN=2.17
sdE=158.3
fwE=1.95
20181218T144028.0001.fits
SecZ=1.05
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.1 20.1 21.3
ALT/AZ=72.5 -126.0
fwAVG=2.04
sdW=75.8
fwW=2.09
sdS=25.5
fwS=1.95
0 0 0 0 0 0 0 0 0


sdN=806.3
fwN=2.14
sdE=349.6
fwE=2.03
20181218T144116.0001.fits
SecZ=1.05
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.1 20.1 21.3
ALT/AZ=72.3 -125.6
fwAVG=2.07
sdW=264.0
fwW=2.15
sdS=70.6
fwS=1.97
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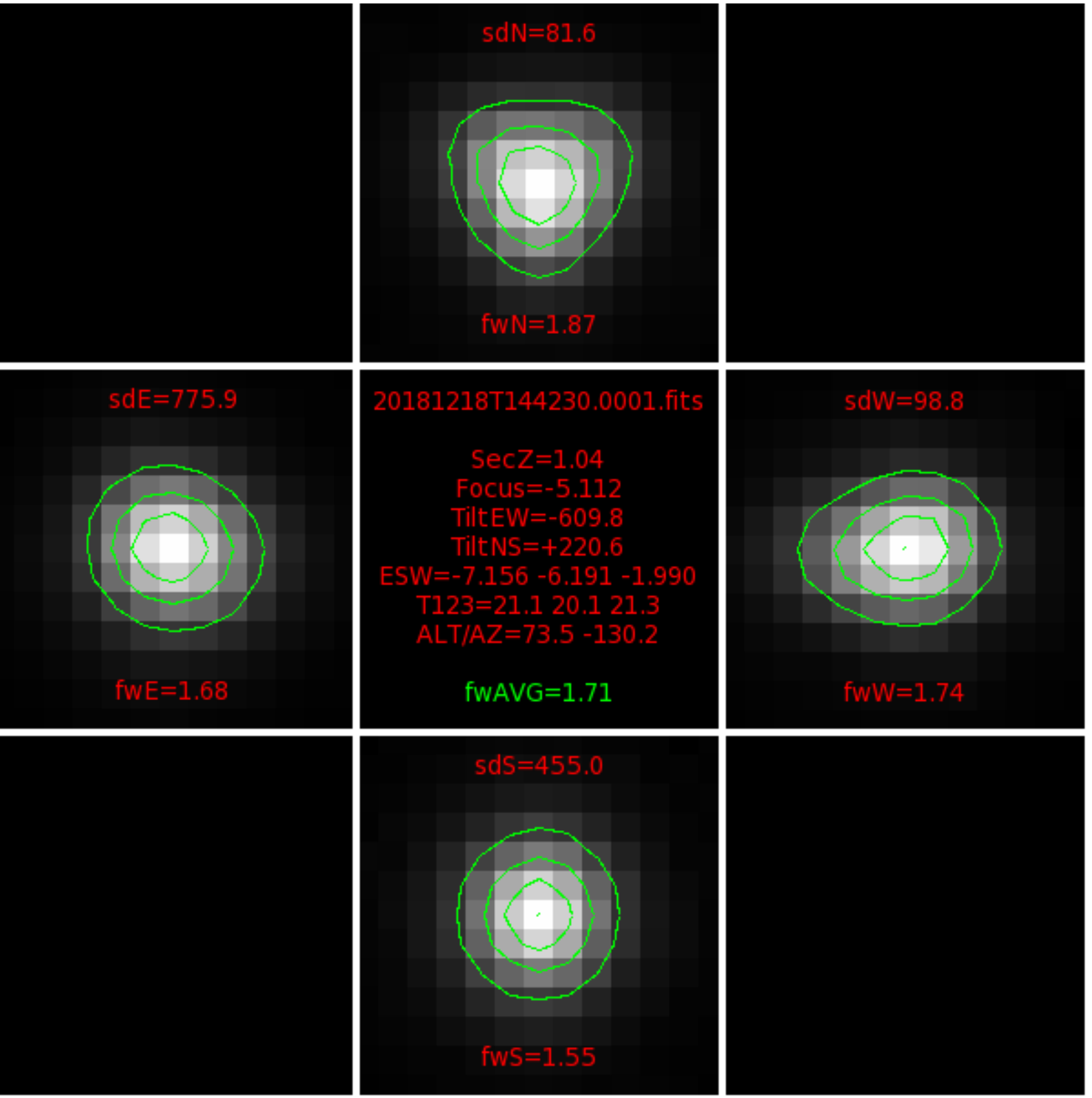
sdN=81.6
fwN=1.87
sdE=775.9
fwE=1.68
20181218T144230.0001.fits
SecZ=1.04
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.1 20.1 21.3
ALT/AZ=73.5 -130.2
fwAVG=1.71
sdW=98.8
fwW=1.74
sdS=455.0
fwS=1.55
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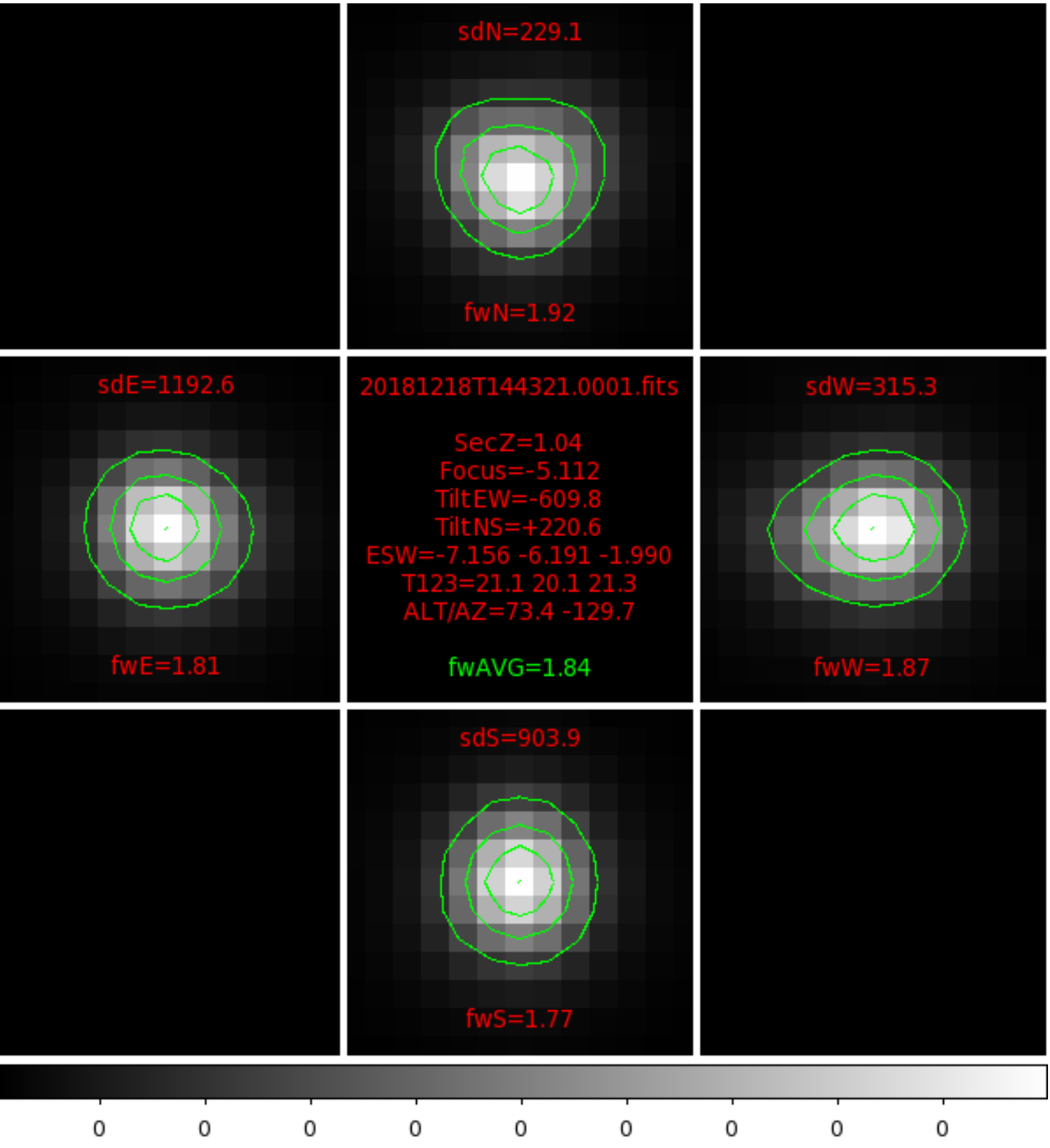
sdN=229.1
fwN=1.92
sdE=1192.6
fwE=1.81
20181218T144321.0001.fits
SecZ=1.04
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.1 20.1 21.3
ALT/AZ=73.4 -129.7
fwAVG=1.84
sdW=315.3
fwW=1.87
sdS=903.9
fwS=1.77
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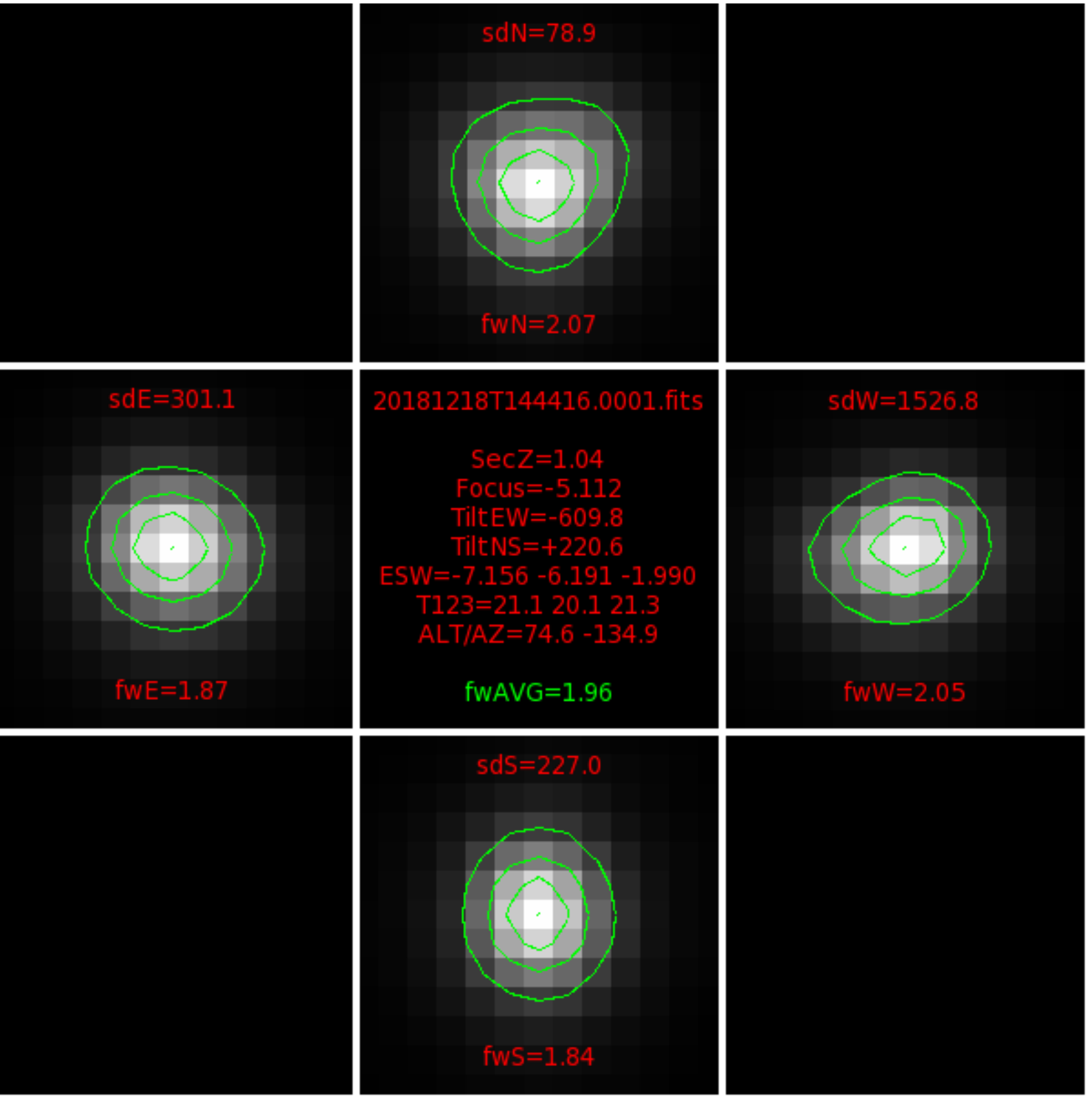
sdN=78.9
fwN=2.07
sdE=301.1
fwE=1.87
20181218T144416.0001.fits
SecZ=1.04
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.1 20.1 21.3
ALT/AZ=74.6 -134.9
fwAVG=1.96
sdW=1526.8
fwW=2.05
sdS=227.0
fwS=1.84
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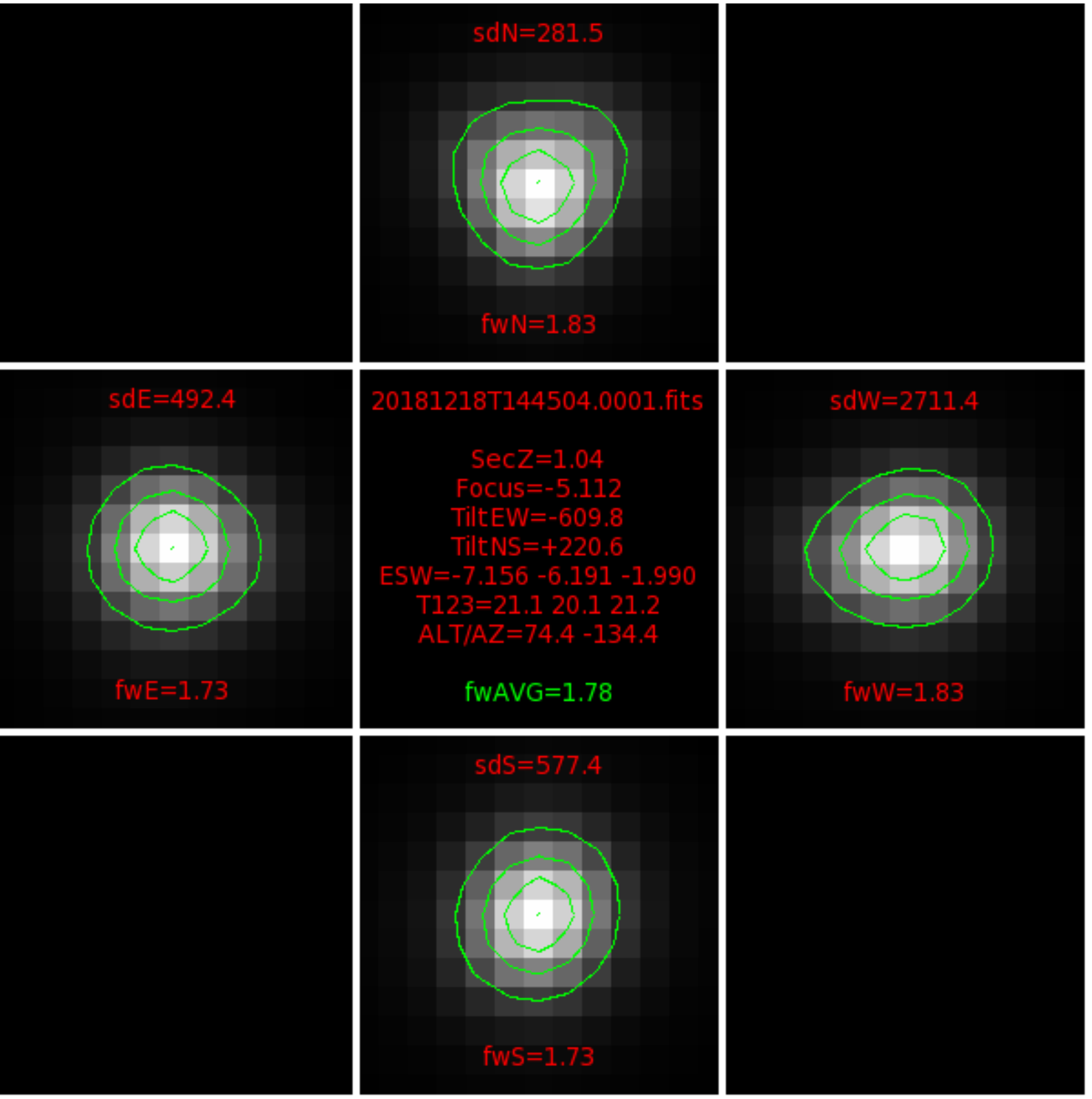
sdN=281.5
fwN=1.83
sdE=492.4
fwE=1.73
20181218T144504.0001.fits
SecZ=1.04
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.1 20.1 21.2
ALT/AZ=74.4 -134.4
fwAVG=1.78
sdW=2711.4
fwW=1.83
sdS=577.4
fwS=1.73
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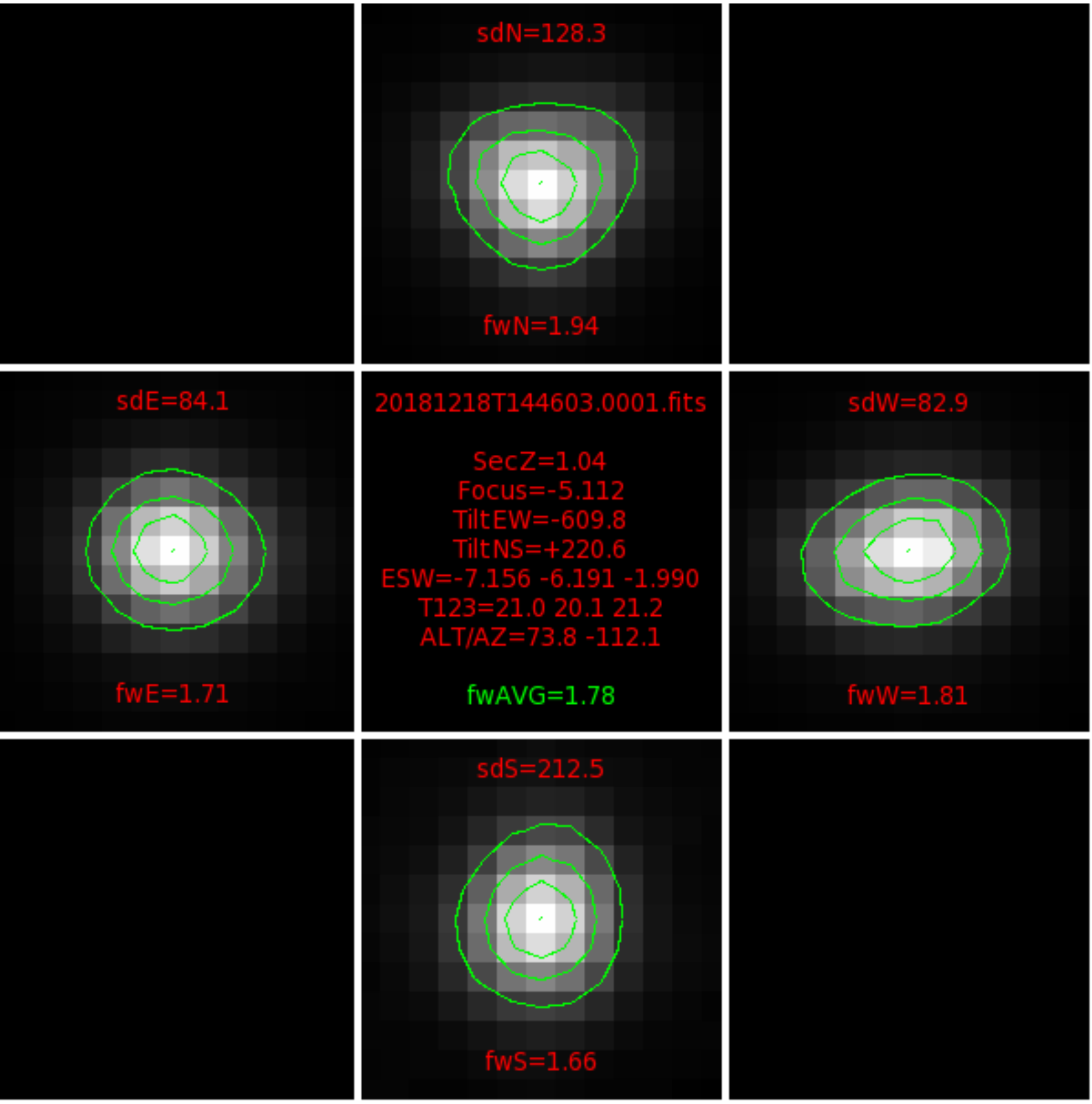
sdN=128.3
fwN=1.94
sdE=84.1
fwE=1.71
20181218T144603.0001.fits
SecZ=1.04
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.0 20.1 21.2
ALT/AZ=73.8 -112.1
fwAVG=1.78
sdW=82.9
fwW=1.81
sdS=212.5
fwS=1.66
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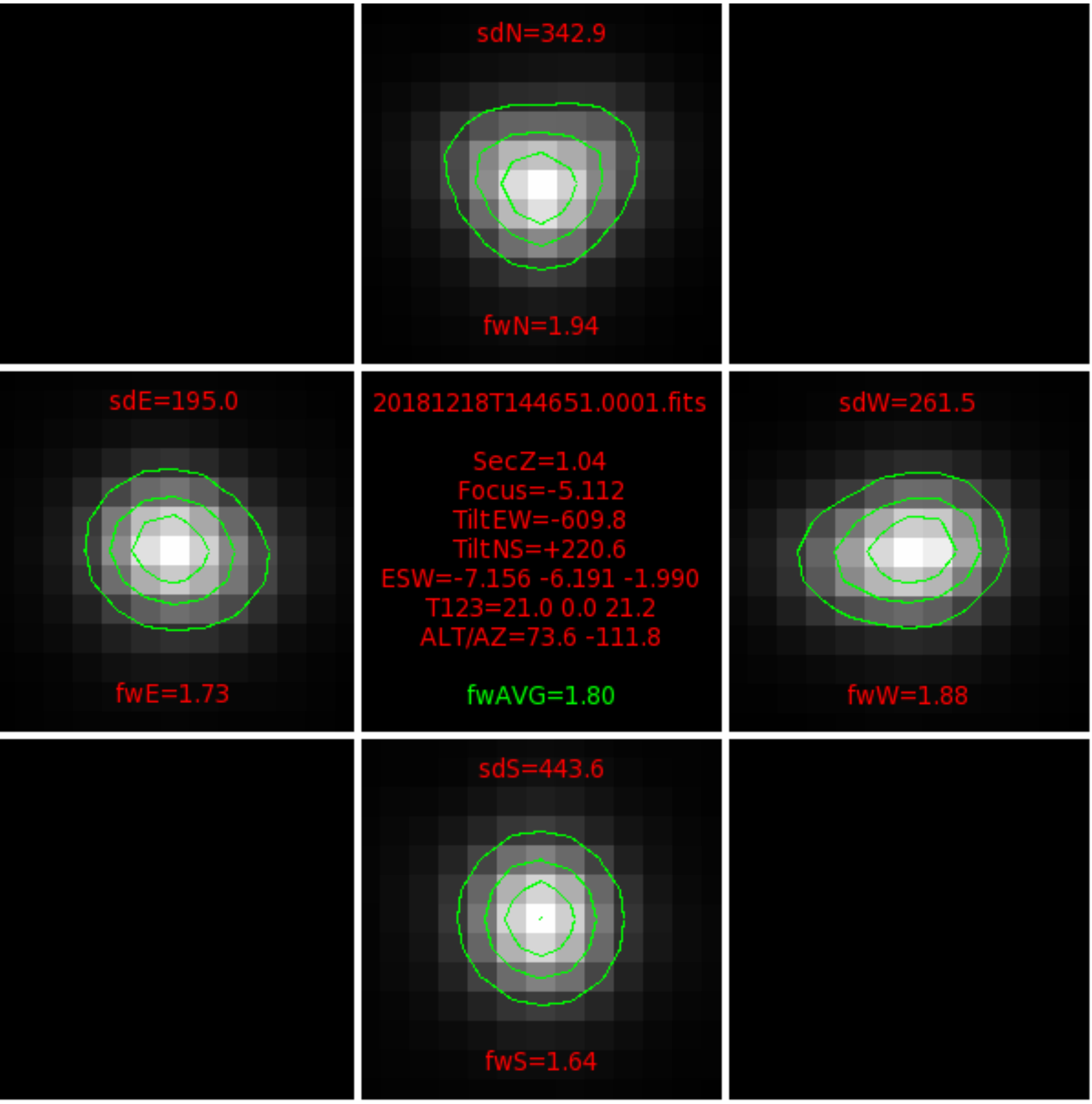
sdN=342.9
fwN=1.94
sdE=195.0
fwE=1.73
20181218T144651.0001.fits
SecZ=1.04
Focus=-5.112
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.156 -6.191 -1.990
T123=21.0 0.0 21.2
ALT/AZ=73.6 -111.8
fwAVG=1.80
sdW=261.5
fwW=1.88
sdS=443.6
fwS=1.64
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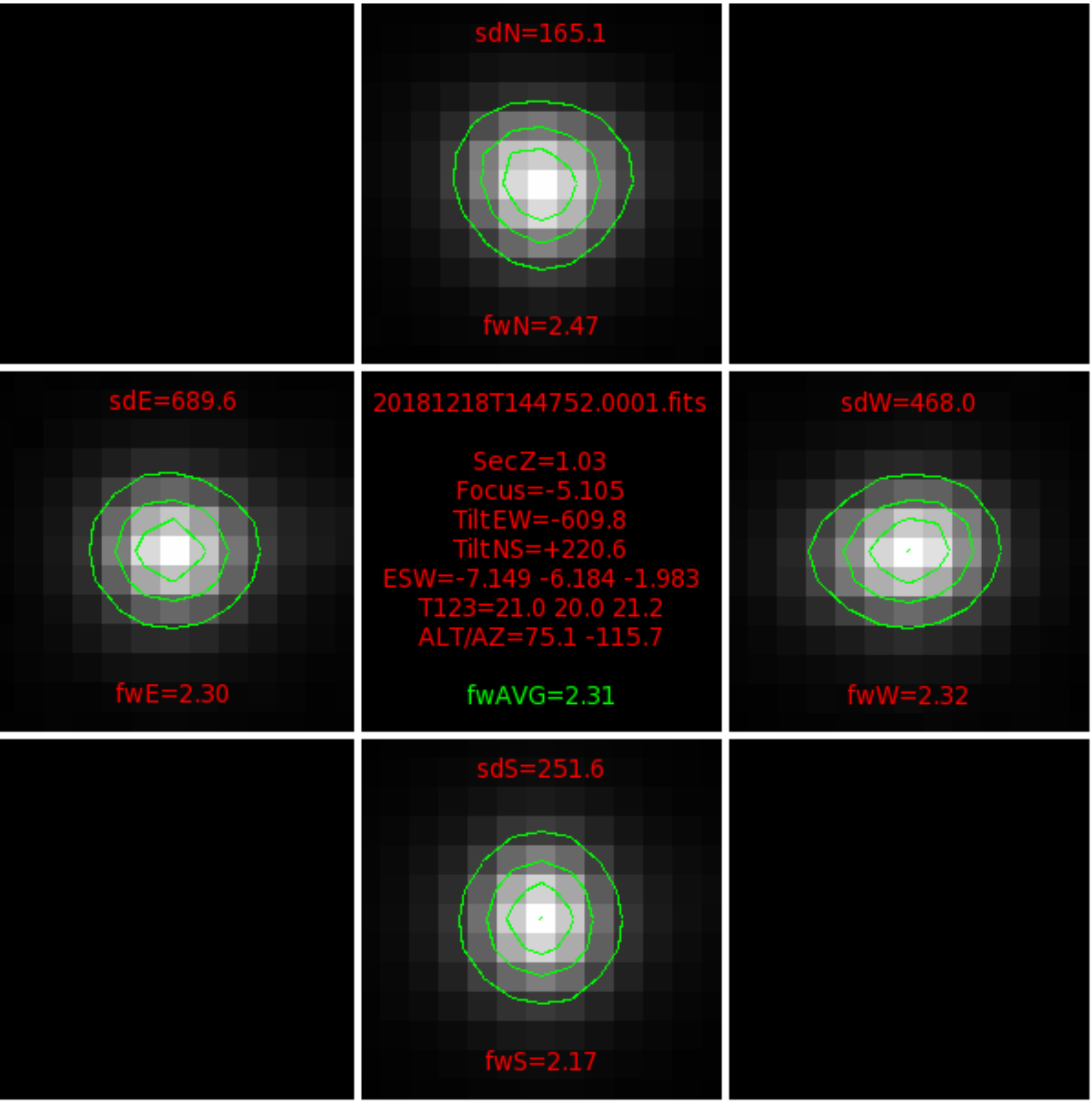
sdN=165.1
fwN=2.47
sdE=689.6
fwE=2.30
20181218T144752.0001.fits
SecZ=1.03
Focus=-5.105
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.149 -6.184 -1.983
T123=21.0 20.0 21.2
ALT/AZ=75.1 -115.7
fwAVG=2.31
sdW=468.0
fwW=2.32
sdS=251.6
fwS=2.17
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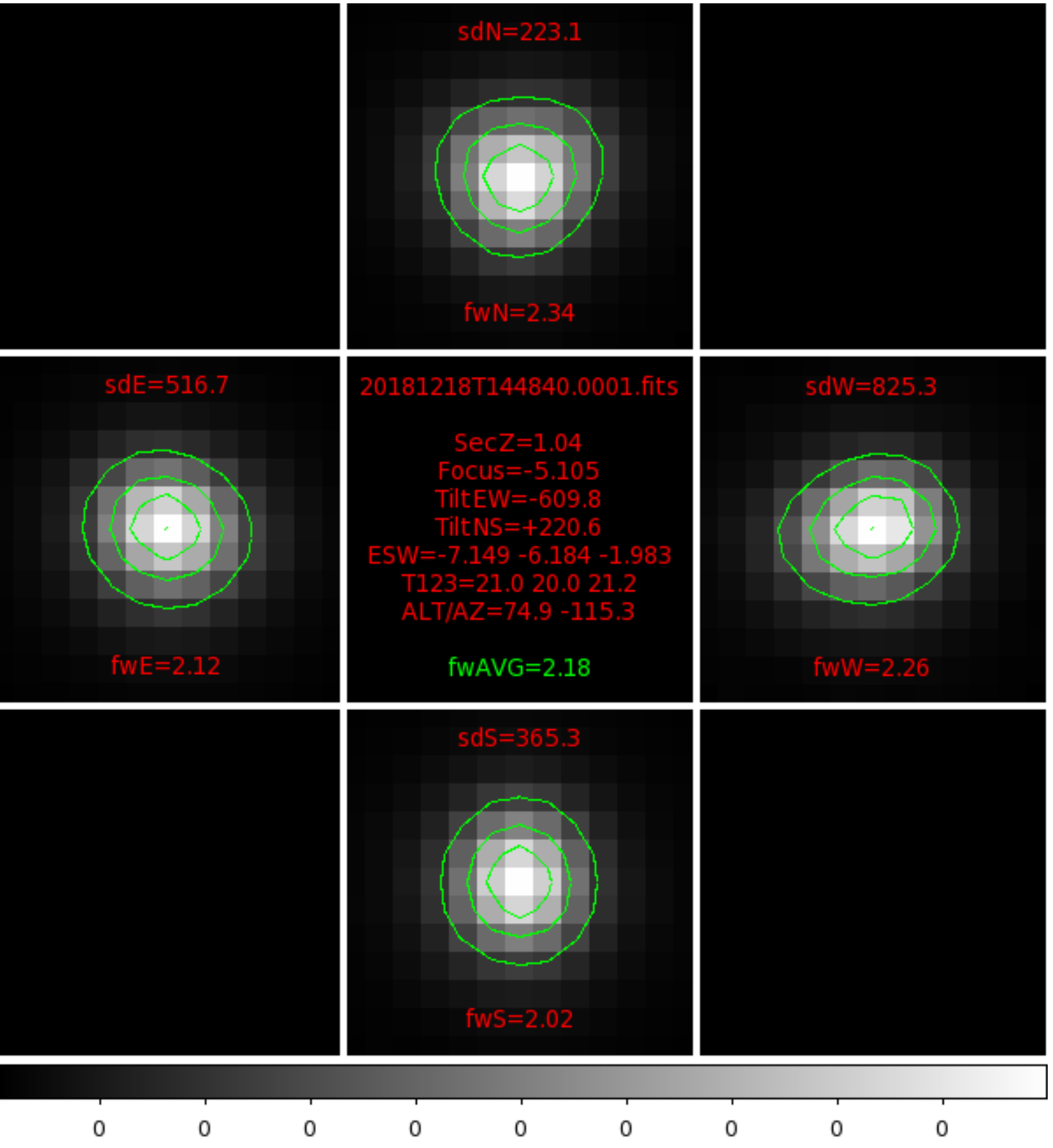
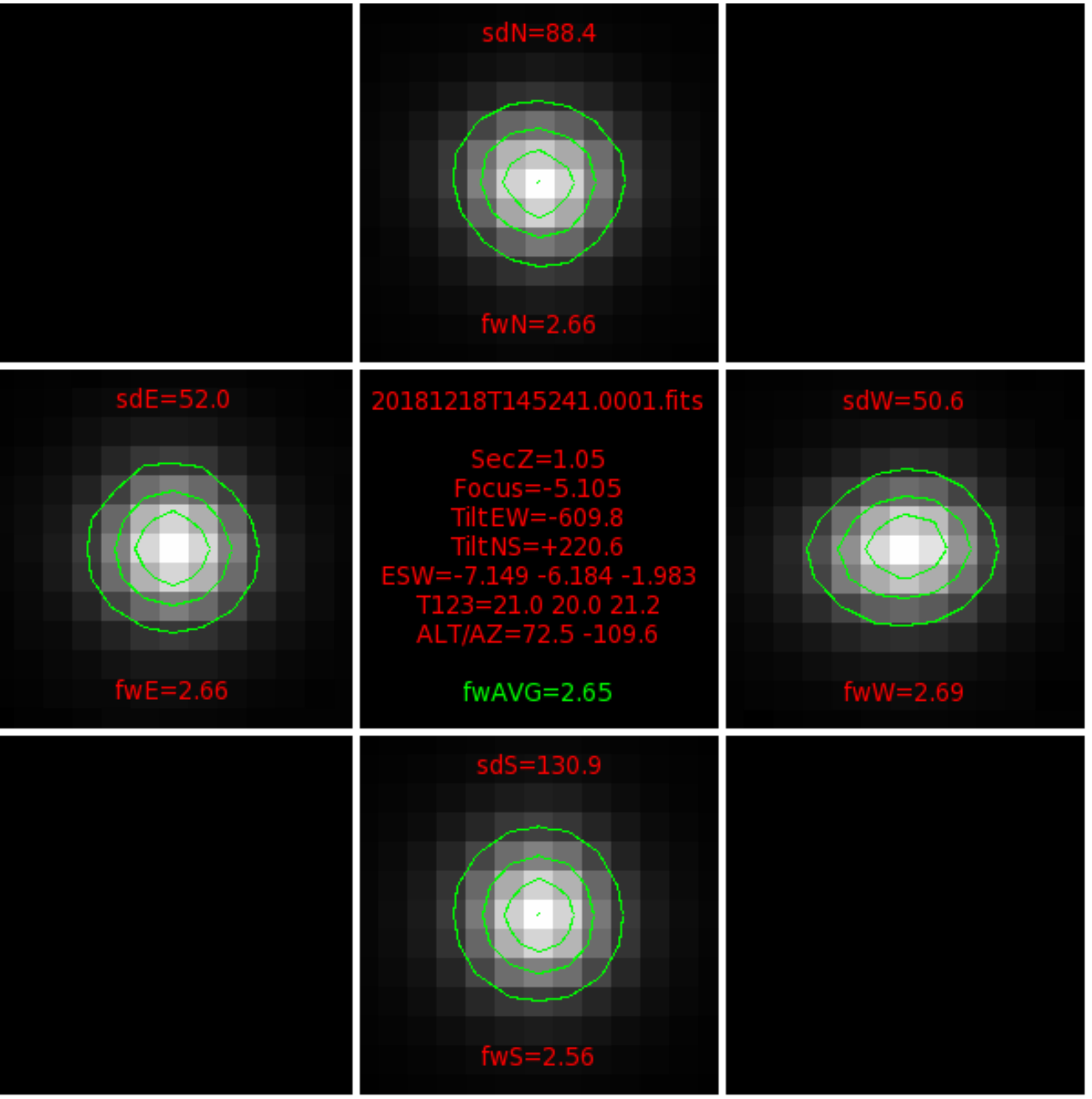

sdN=223.1
fwN=2.34
sdE=516.7
fwE=2.12
20181218T144840.0001.fits
SecZ=1.04
Focus=-5.105
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.149 -6.184 -1.983
T123=21.0 20.0 21.2
ALT/AZ=74.9 -115.3
fwAVG=2.18
sdW=825.3
fwW=2.26
sdS=365.3
fwS=2.02
0 0 0 0 0 0 0 0 0


sdN=88.4
fwN=2.66
sdE=52.0
fwE=2.66
20181218T145241.0001.fits
SecZ=1.05
Focus=-5.105
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.149 -6.184 -1.983
T123=21.0 20.0 21.2
ALT/AZ=72.5 -109.6
fwAVG=2.65
sdW=50.6
fwW=2.69
sdS=130.9
fwS=2.56
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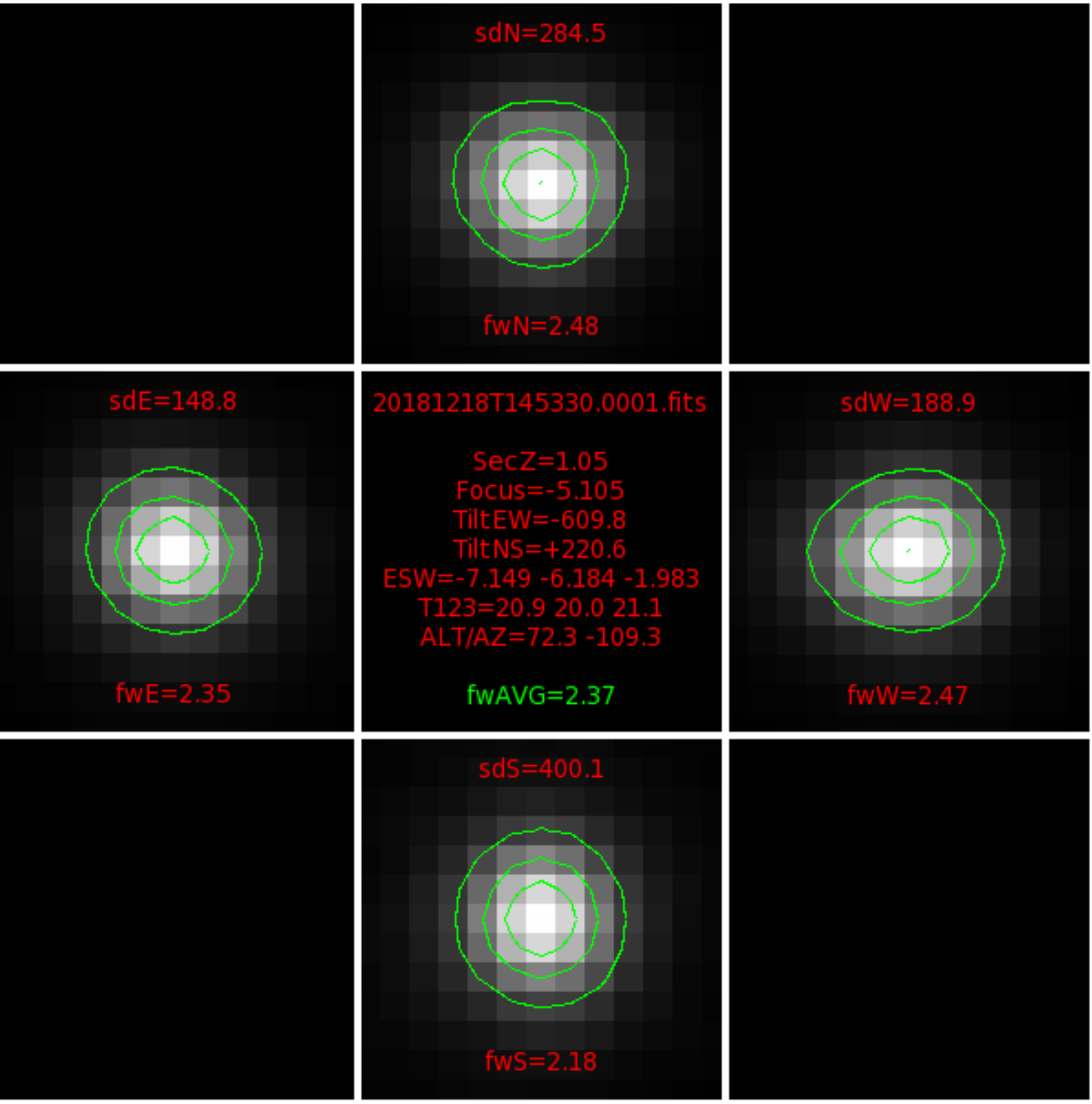
sdN=284.5
fwN=2.48
sdE=148.8
fwE=2.35
20181218T145330.0001.fits
SecZ=1.05
Focus=-5.105
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.149 -6.184 -1.983
T123=20.9 20.0 21.1
ALT/AZ=72.3 -109.3
fwAVG=2.37
sdW=188.9
fwW=2.47
sdS=400.1
fwS=2.18
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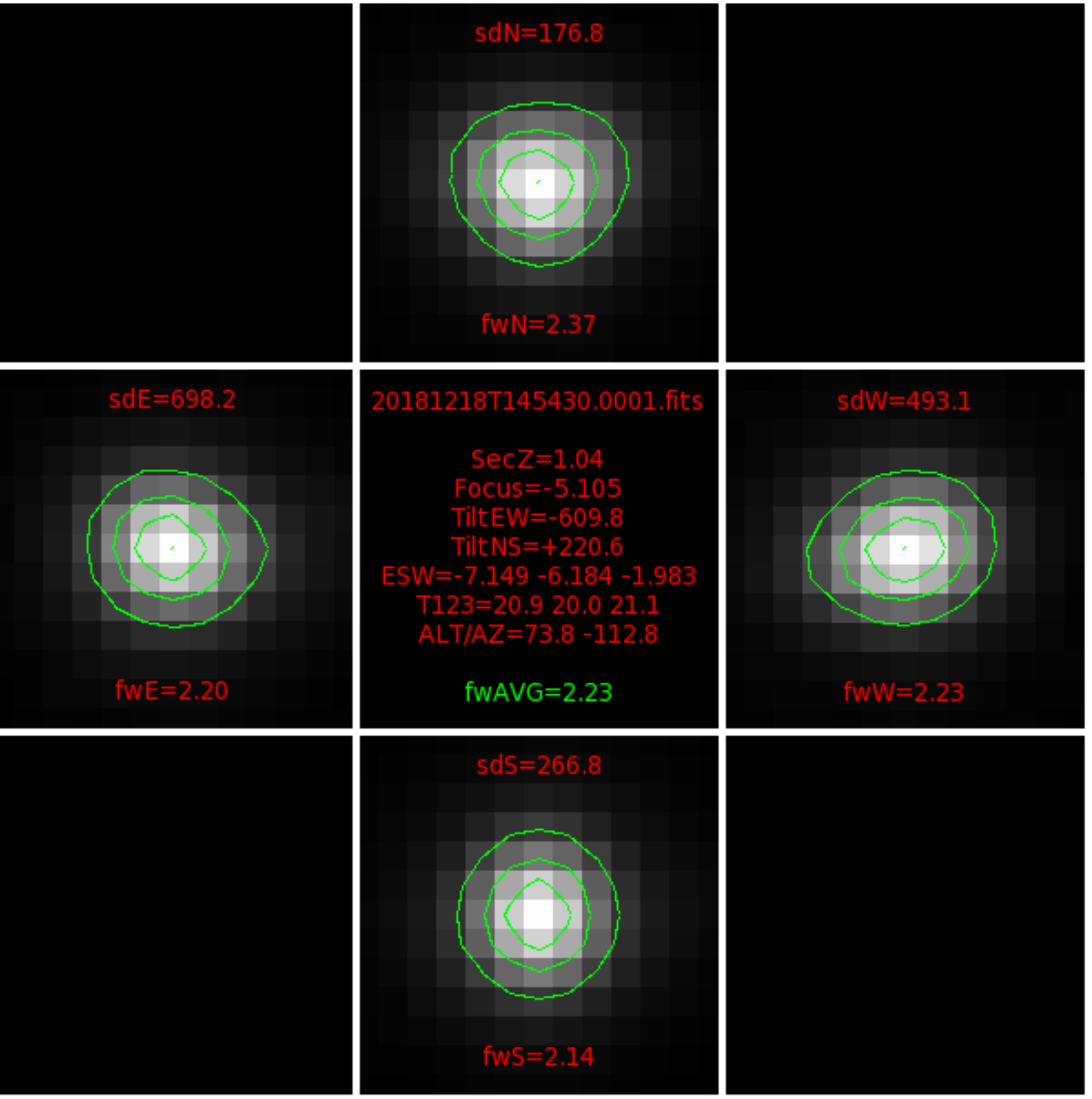
sdN=176.8
fwN=2.37
sdE=698.2
fwE=2.20
20181218T145430.0001.fits
SecZ=1.04
Focus=-5.105
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.149 -6.184 -1.983
T123=20.9 20.0 21.1
ALT/AZ=73.8 -112.8
fwAVG=2.23
sdW=493.1
fwW=2.23
sdS=266.8
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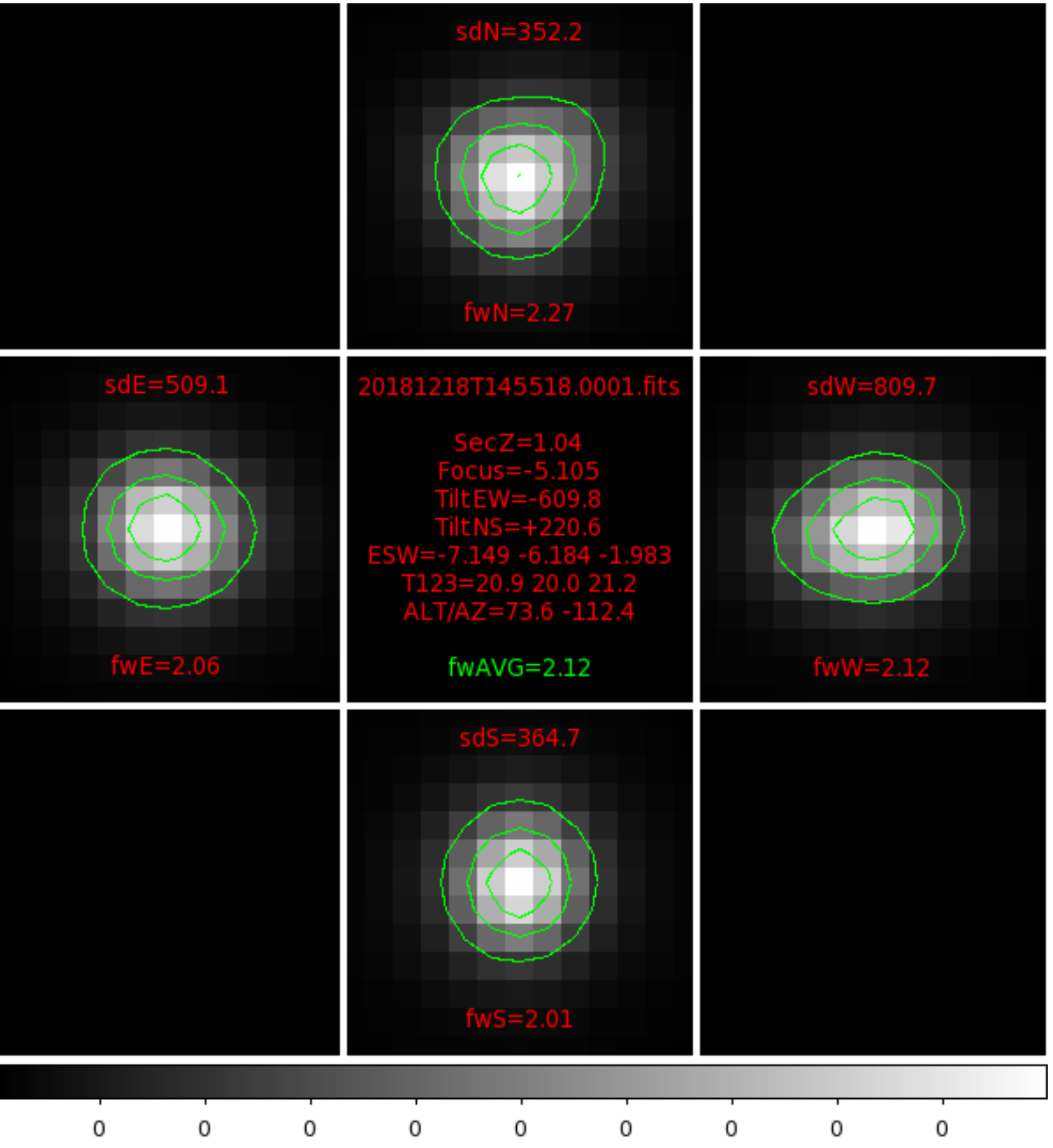
sdN=352.2
fwN=2.27
sdE=509.1
fwE=2.06
20181218T145518.0001.fits
SecZ=1.04
Focus=-5.105
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.149 -6.184 -1.983
T123=20.9 20.0 21.2
ALT/AZ=73.6 -112.4
fwAVG=2.12
sdW=809.7
fwW=2.12
sdS=364.7
fwS=2.01
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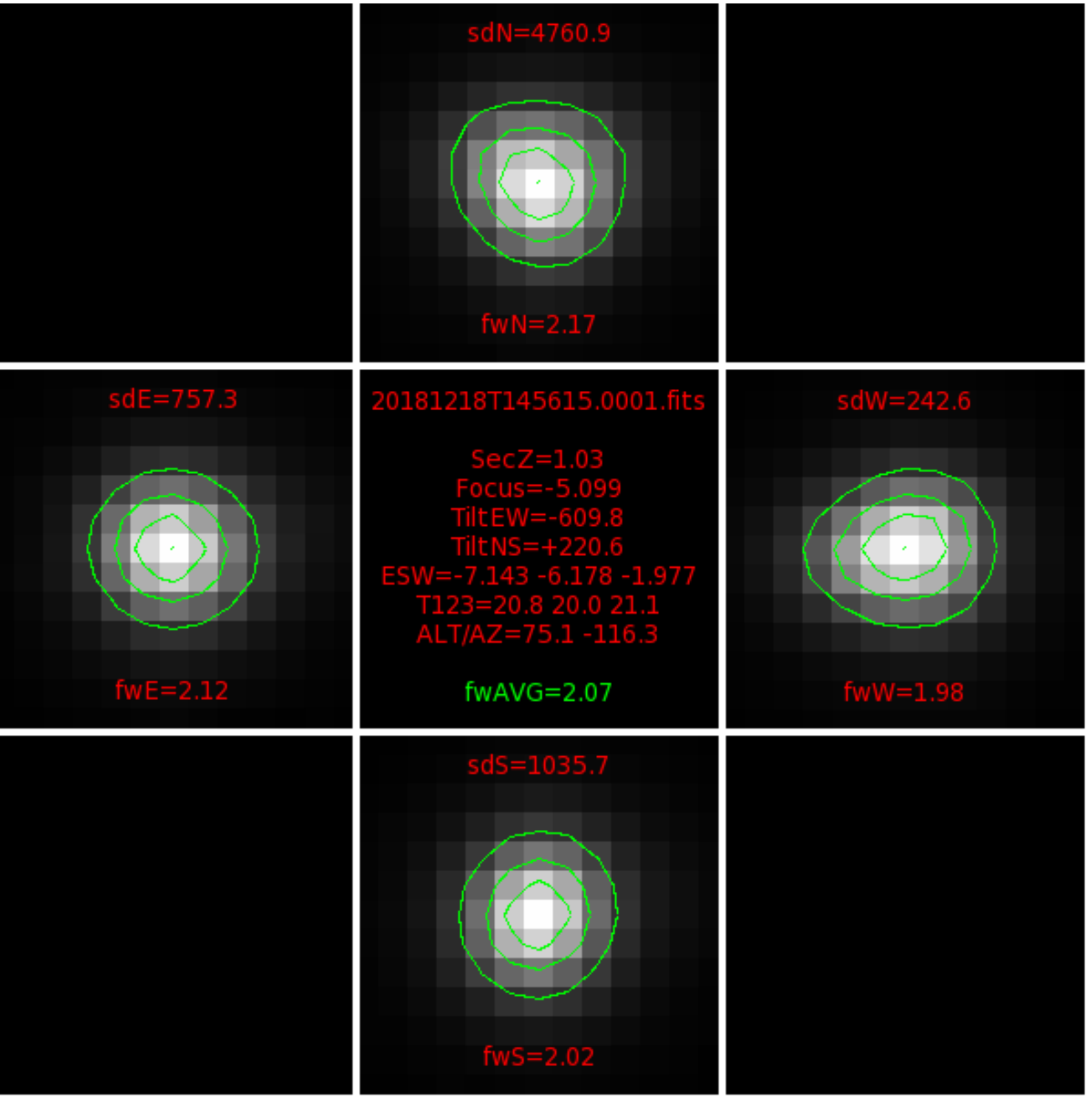
sdN=4760.9
fwN=2.17
sdE=757.3
fwE=2.12
20181218T145615.0001.fits
SecZ=1.03
Focus=-5.099
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.143 -6.178 -1.977
T123=20.8 20.0 21.1
ALT/AZ=75.1 -116.3
fwAVG=2.07
sdW=242.6
fwW=1.98
sdS=1035.7
fwS=2.02
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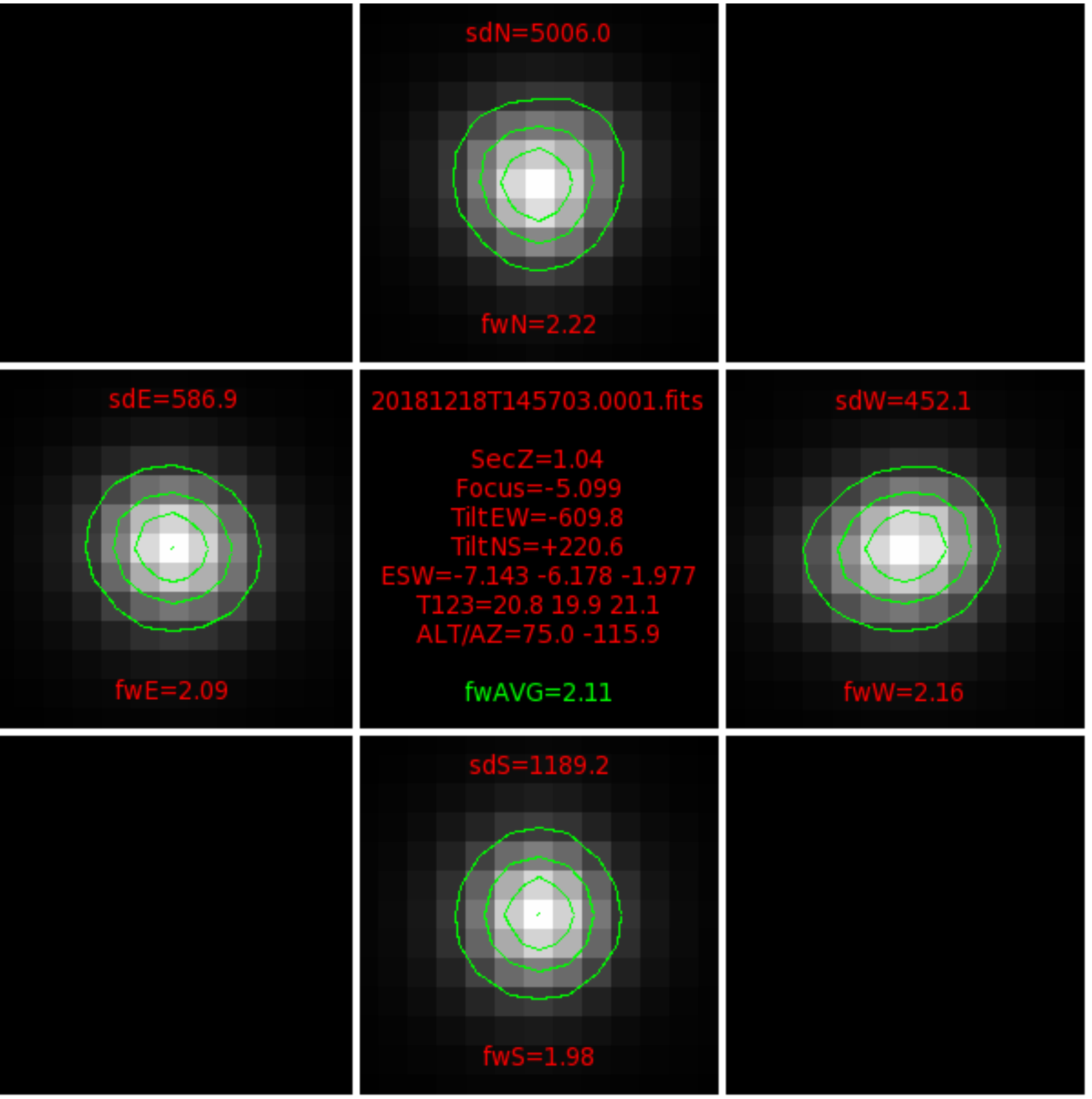
sdN=5006.0
fwN=2.22
sdE=586.9
fwE=2.09
20181218T145703.0001.fits
SecZ=1.04
Focus=-5.099
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.143 -6.178 -1.977
T123=20.8 19.9 21.1
ALT/AZ=75.0 -115.9
fwAVG=2.11
sdW=452.1
fwW=2.16
sdS=1189.2
fwS=1.98
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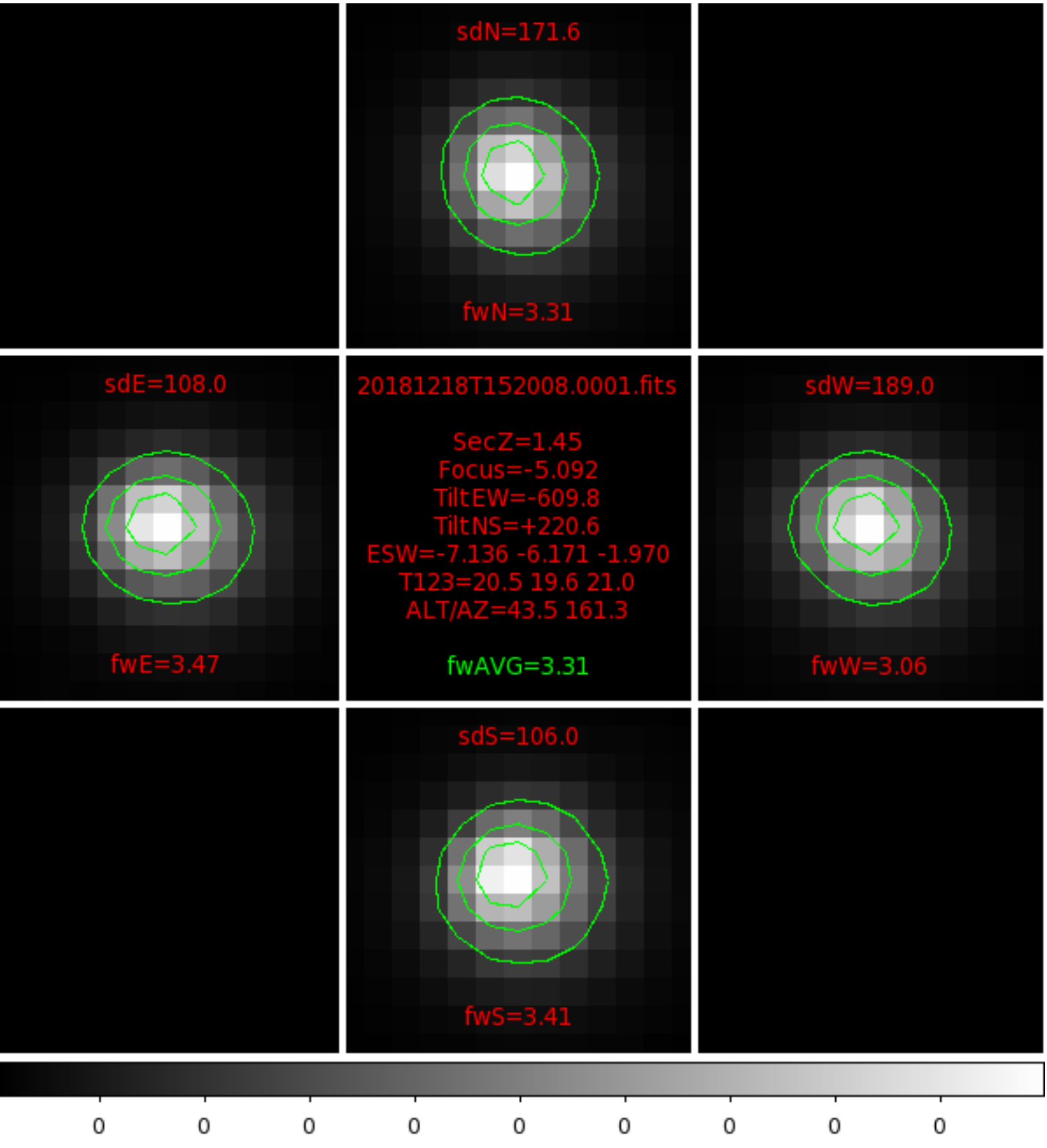
sdN=171.6
fwN=3.31
sdE=108.0
fwE=3.47
20181218T152008.0001.fits
SecZ=1.45
Focus=-5.092
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.136 -6.171 -1.970
T123=20.5 19.6 21.0
ALT/AZ=43.5 161.3
fwAVG=3.31
sdW=189.0
fwW=3.06
sdS=106.0
fwS=3.41
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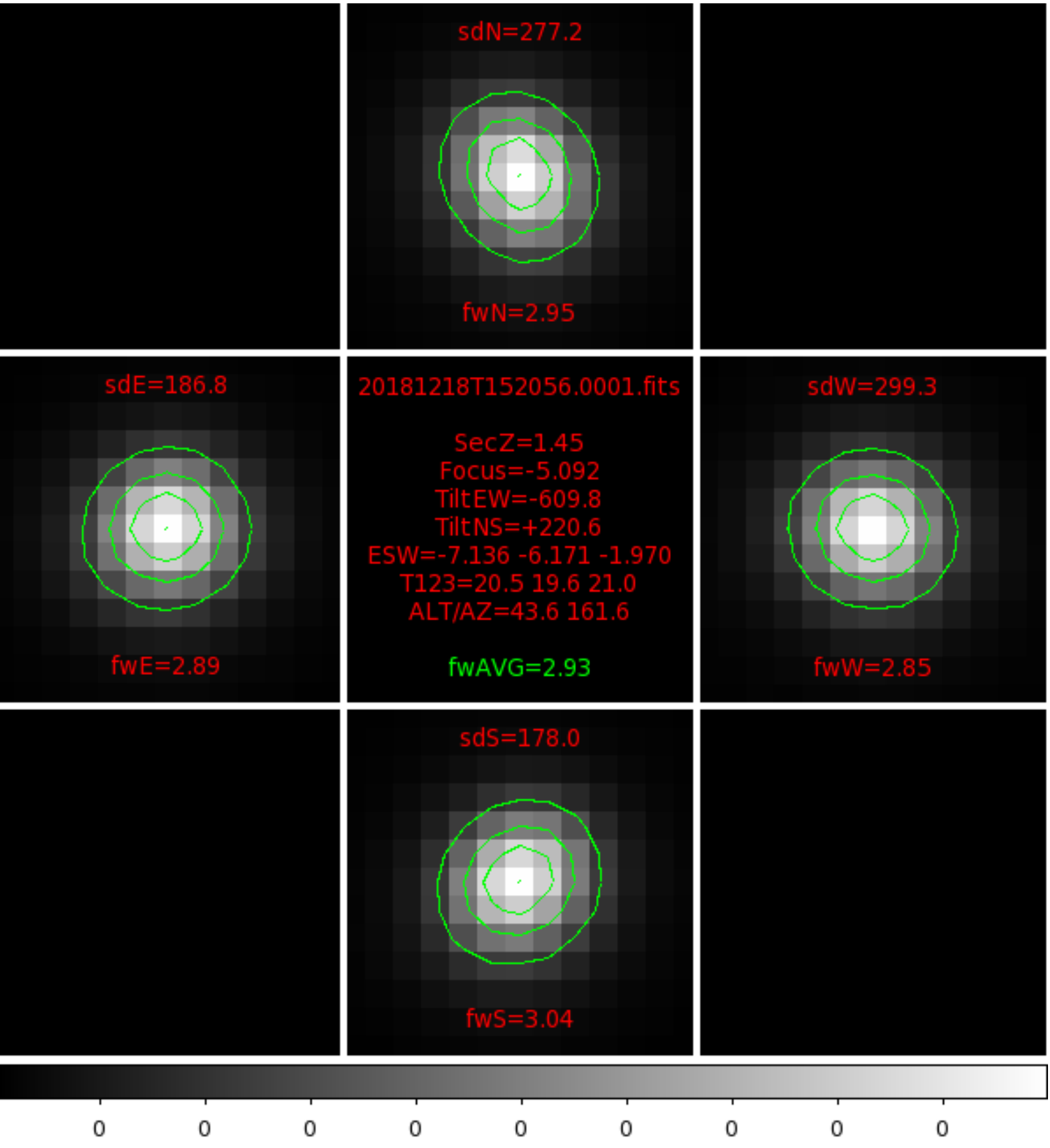
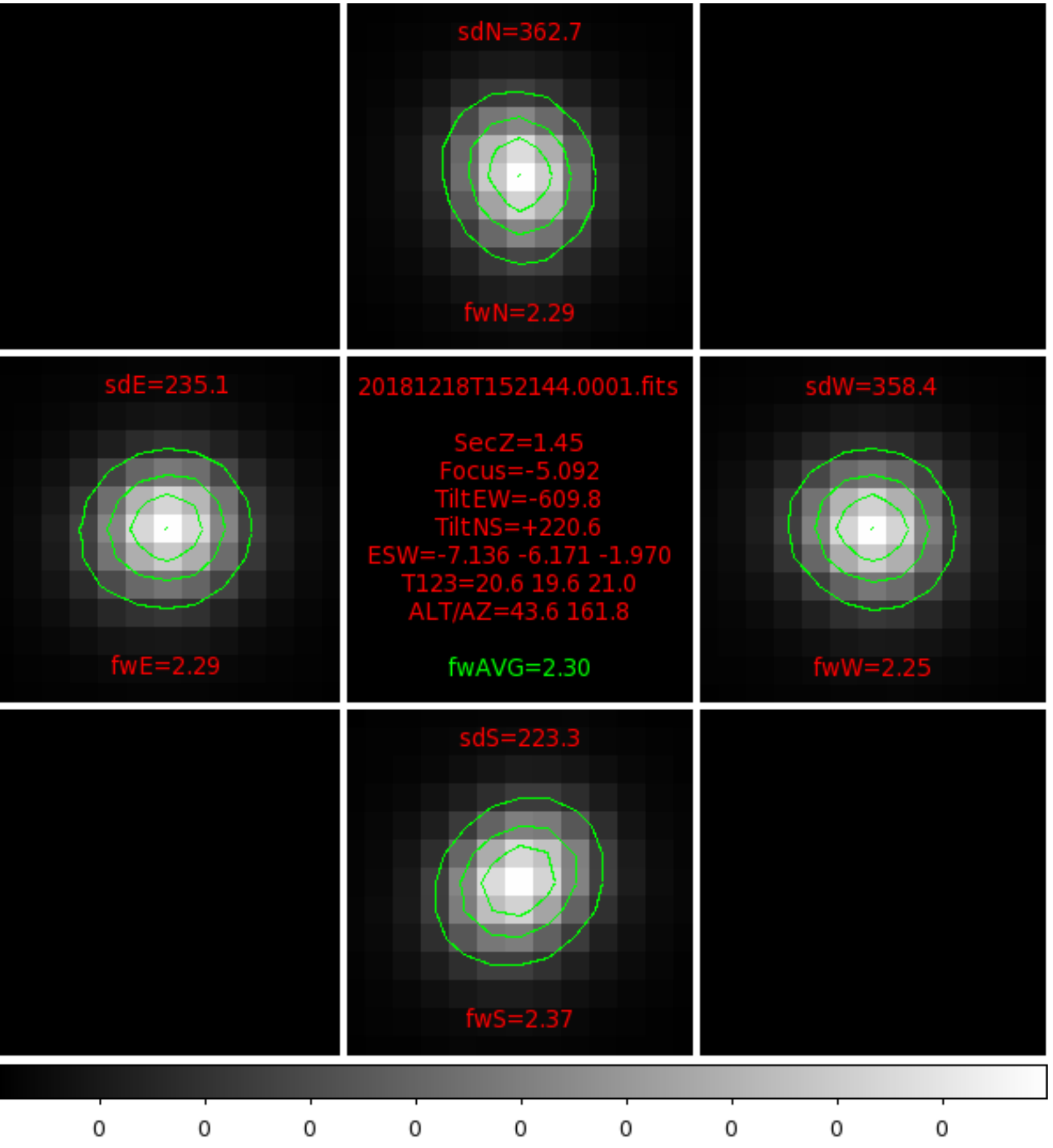

sdN=277.2
fwN=2.95
sdE=186.8
fwE=2.89
20181218T152056.0001.fits
SecZ=1.45
Focus=-5.092
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.136 -6.171 -1.970
T123=20.5 19.6 21.0
ALT/AZ=43.6 161.6
fwAVG=2.93
sdW=299.3
fwW=2.85
sdS=178.0
fwS=3.04
0 0 0 0 0 0 0 0 0


sdN=362.7
fwN=2.29
sdE=235.1
fwE=2.29
20181218T152144.0001.fits
SecZ=1.45
Focus=-5.092
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.136 -6.171 -1.970
T123=20.6 19.6 21.0
ALT/AZ=43.6 161.8
fwAVG=2.30
sdW=358.4
fwW=2.25
sdS=223.3
fwS=2.37
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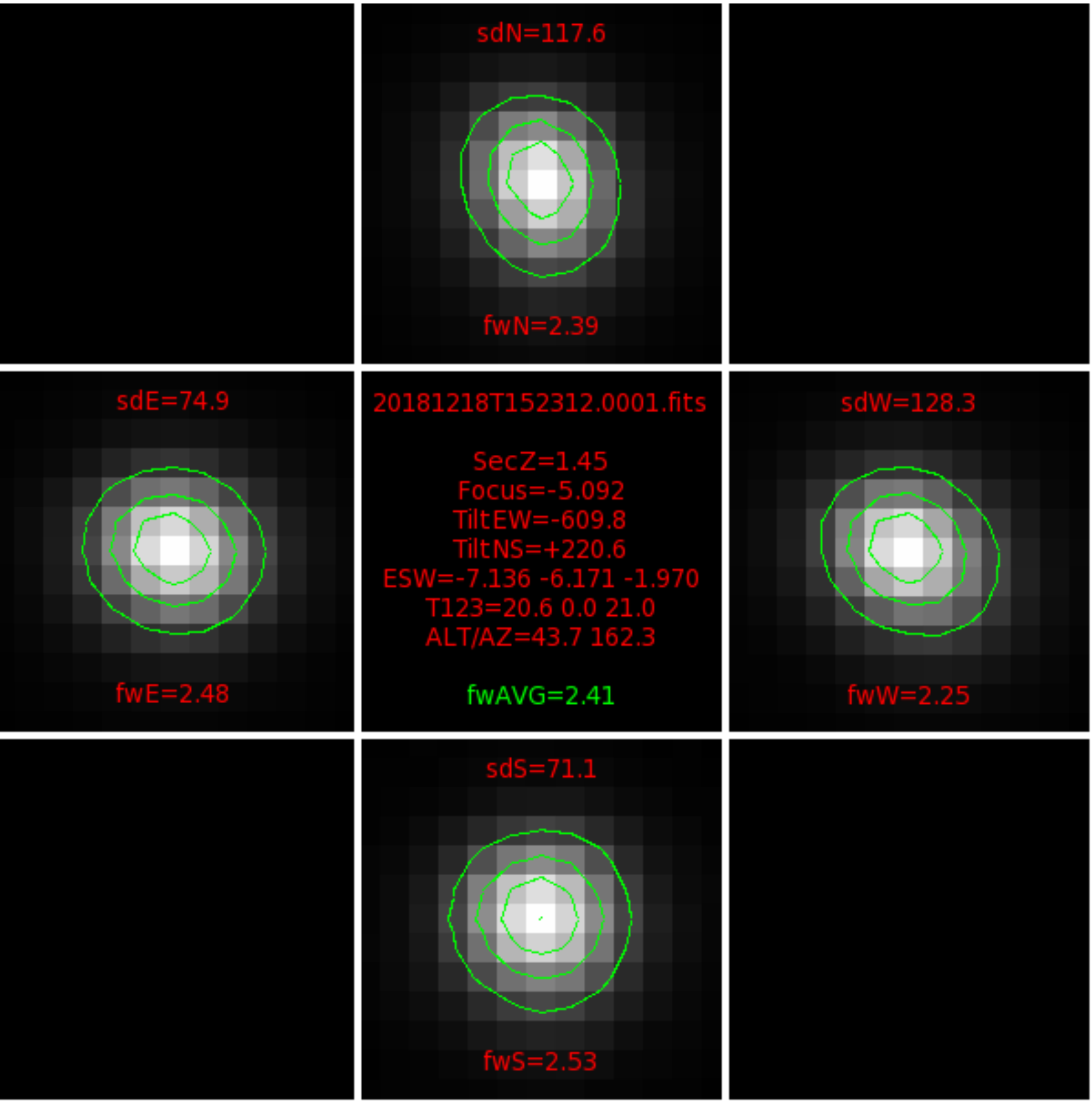
sdN=117.6
fwN=2.39
sdE=74.9
fwE=2.48
20181218T152312.0001.fits
SecZ=1.45
Focus=-5.092
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.136 -6.171 -1.970
T123=20.6 0.0 21.0
ALT/AZ=43.7 162.3
fwAVG=2.41
sdW=128.3
fwW=2.25
sdS=71.1
fwS=2.53
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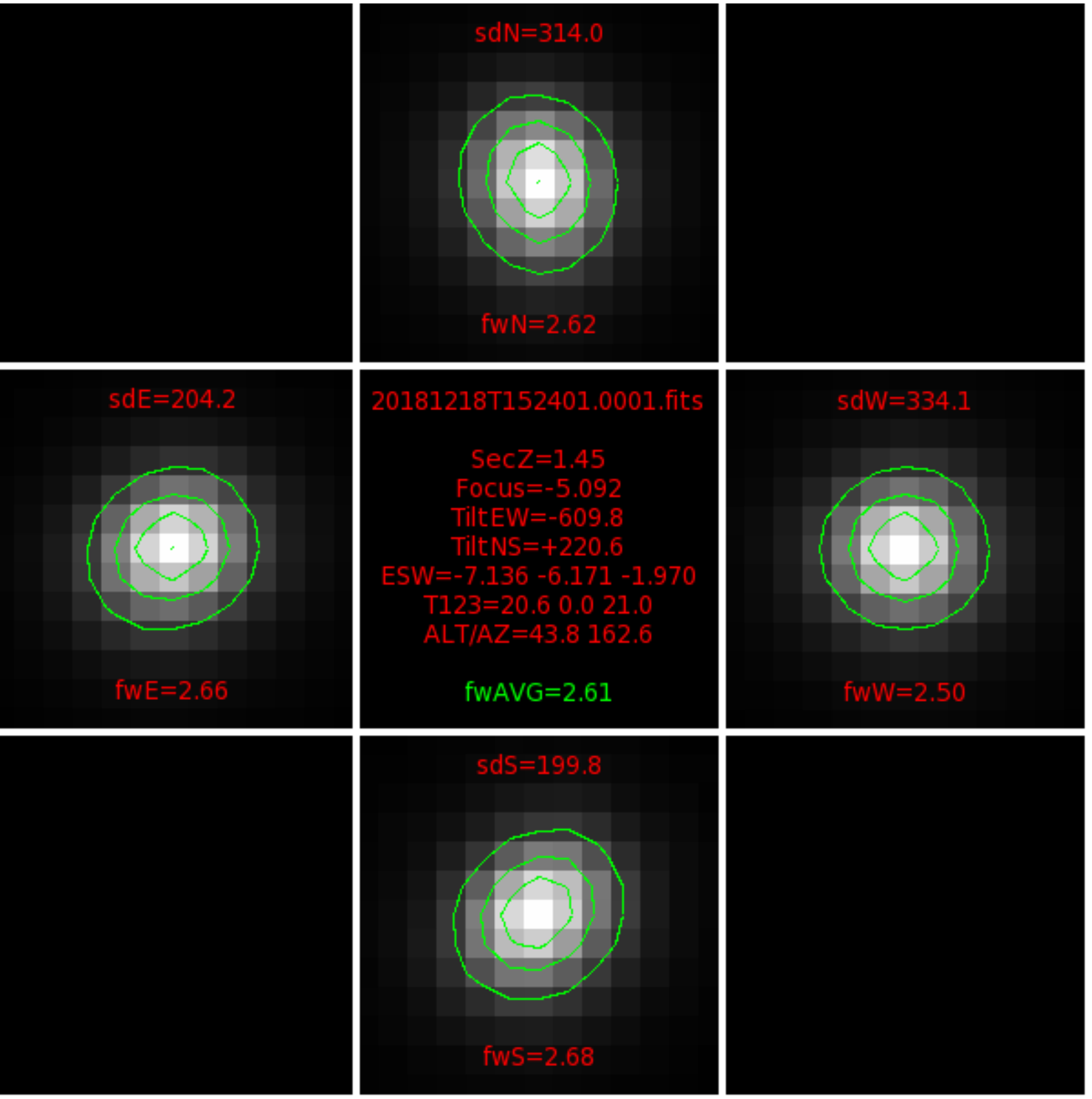
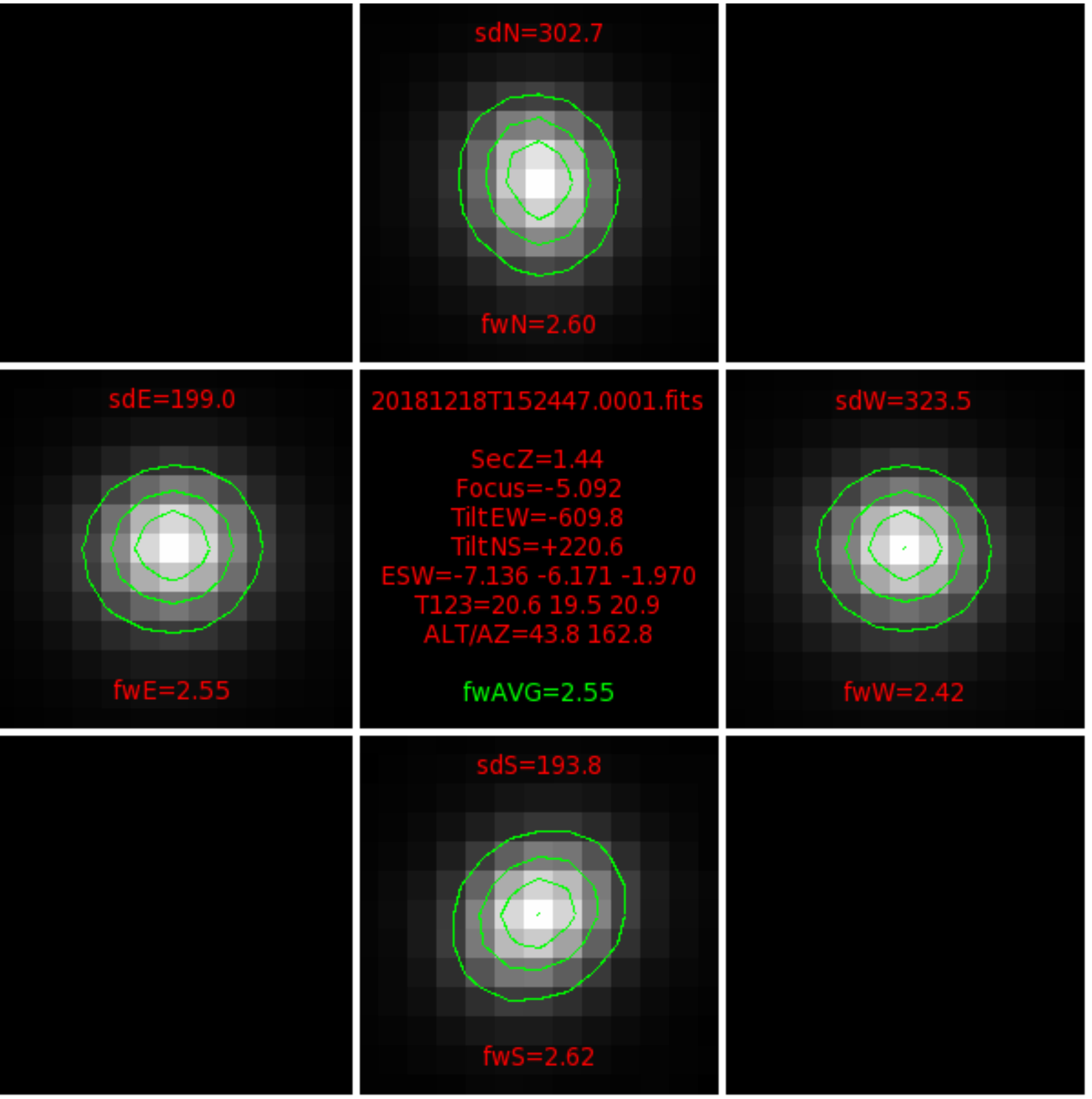

sdN=314.0
fwN=2.62
sdE=204.2
fwE=2.66
20181218T152401.0001.fits
SecZ=1.45
Focus=-5.092
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.136 -6.171 -1.970
T123=20.6 0.0 21.0
ALT/AZ=43.8 162.6
fwAVG=2.61
sdW=334.1
fwW=2.50
sdS=199.8
fwS=2.68
0 0 0 0 0 0 0 0 0


sdN=302.7
fwN=2.60
sdE=199.0
fwE=2.55
20181218T152447.0001.fits
SecZ=1.44
Focus=-5.092
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.136 -6.171 -1.970
T123=20.6 19.5 20.9
ALT/AZ=43.8 162.8
fwAVG=2.55
sdW=323.5
fwW=2.42
sdS=193.8
fwS=2.62
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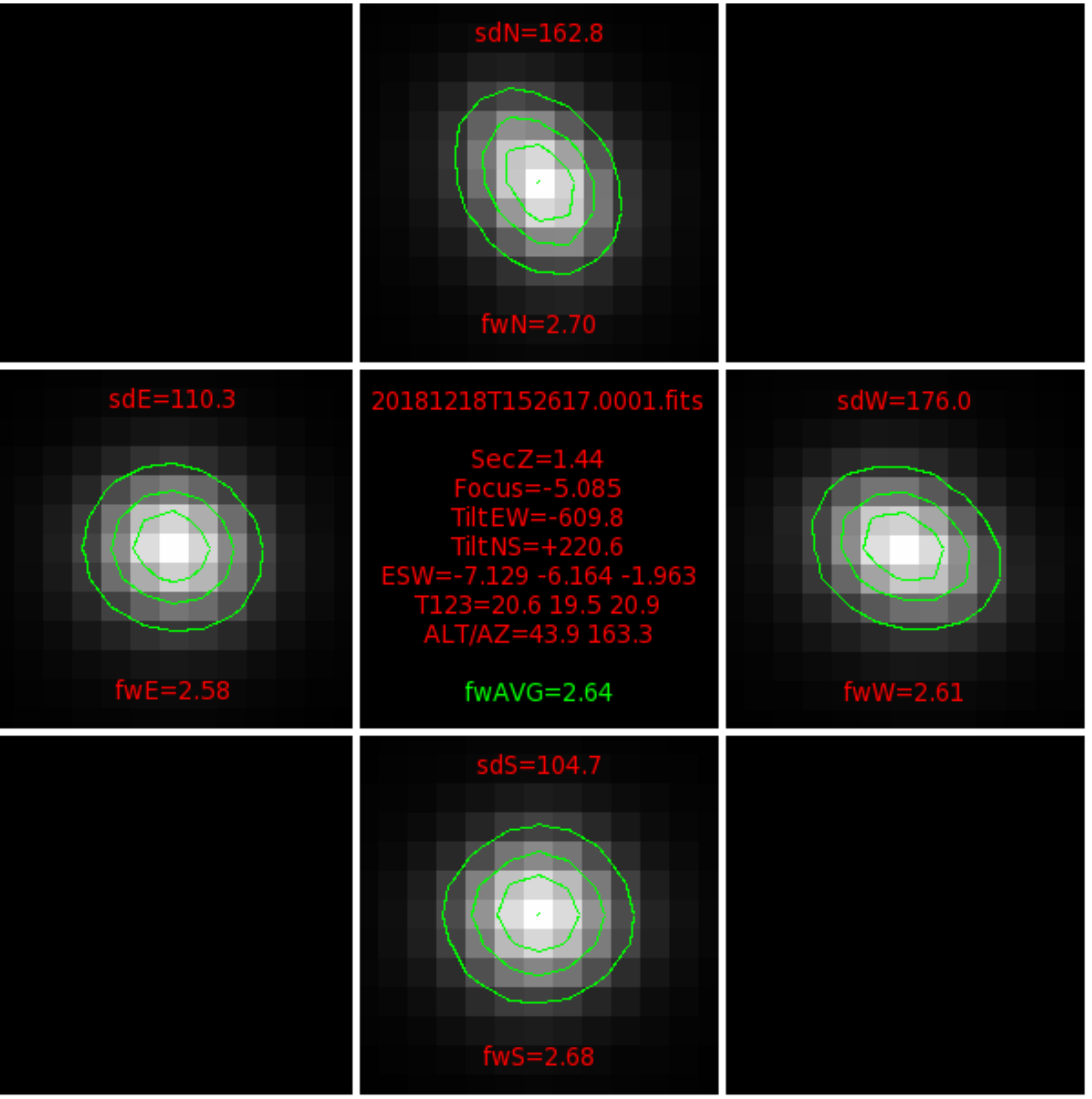
sdN=162.8
fwN=2.70
sdE=110.3
fwE=2.58
20181218T152617.0001.fits
SecZ=1.44
Focus=-5.085
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.129 -6.164 -1.963
T123=20.6 19.5 20.9
ALT/AZ=43.9 163.3
fwAVG=2.64
sdW=176.0
fwW=2.61
sdS=104.7
fwS=2.68
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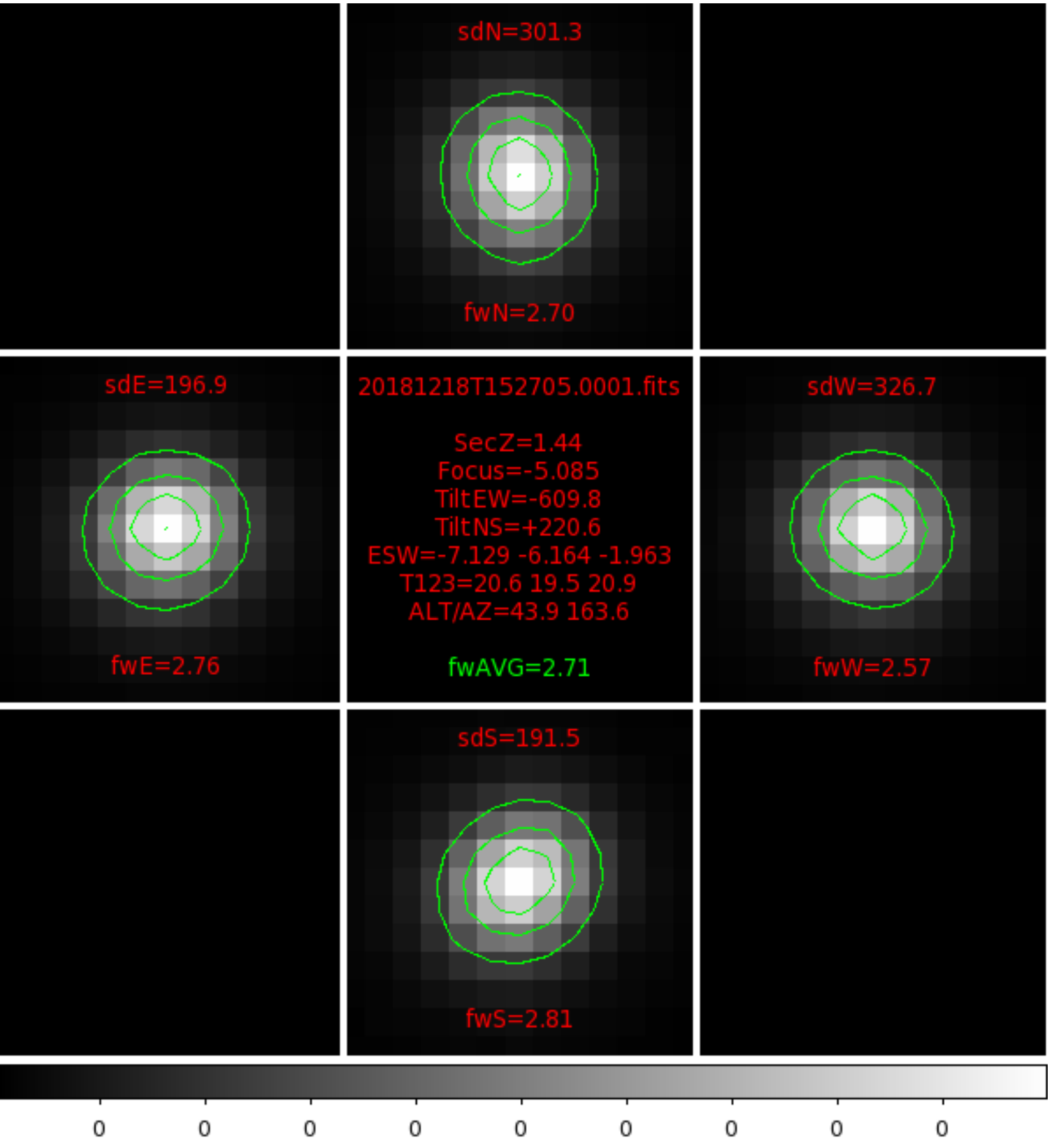
sdN=301.3
fwN=2.70
sdE=196.9
fwE=2.76
20181218T152705.0001.fits
SecZ=1.44
Focus=-5.085
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.129 -6.164 -1.963
T123=20.6 19.5 20.9
ALT/AZ=43.9 163.6
fwAVG=2.71
sdW=326.7
fwW=2.57
sdS=191.5
fwS=2.81
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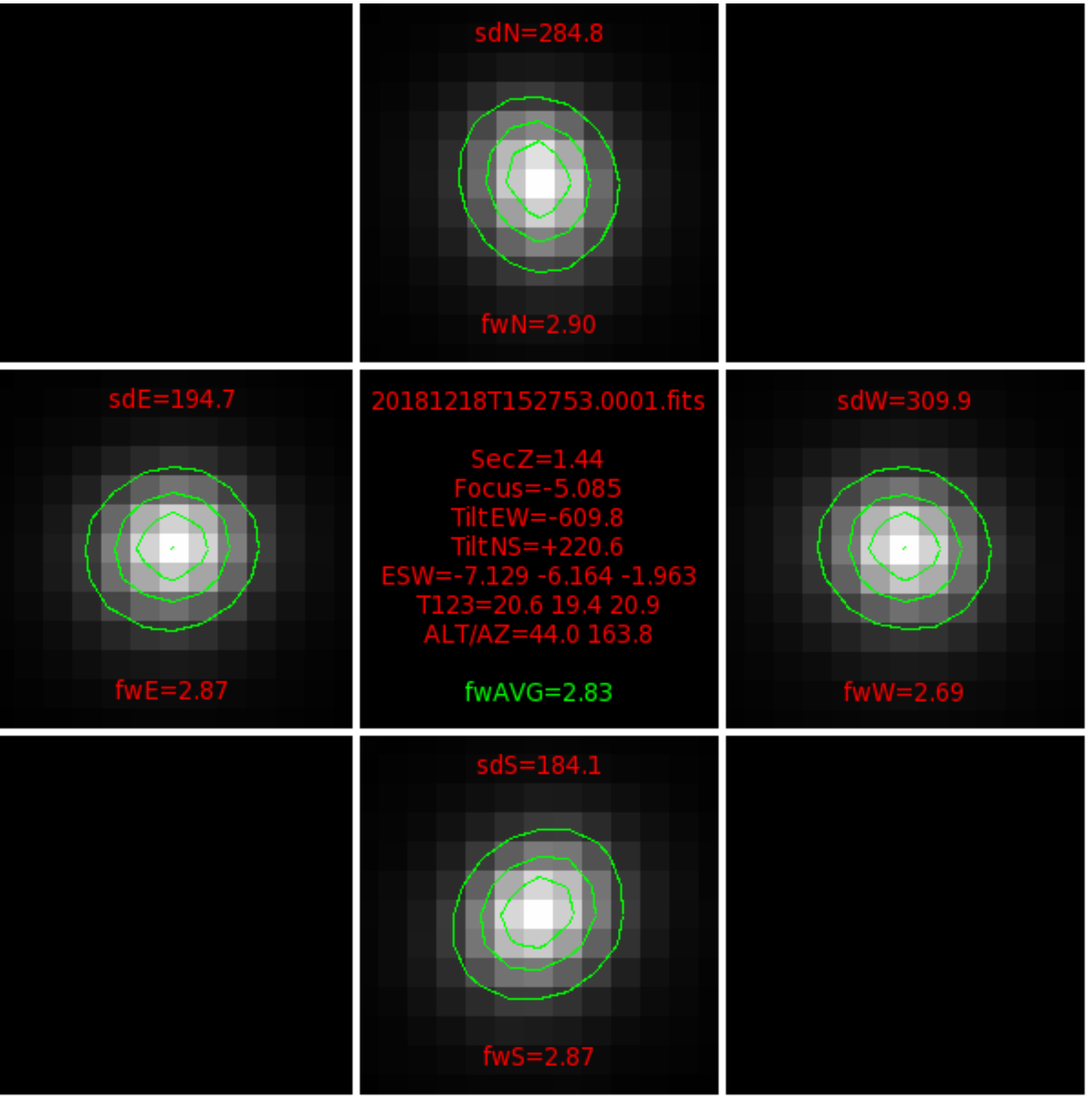
sdN=284.8
fwN=2.90
sdE=194.7
fwE=2.87
20181218T152753.0001.fits
SecZ=1.44
Focus=-5.085
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.129 -6.164 -1.963
T123=20.6 19.4 20.9
ALT/AZ=44.0 163.8
fwAVG=2.83
sdW=309.9
fwW=2.69
sdS=184.1
fwS=2.87
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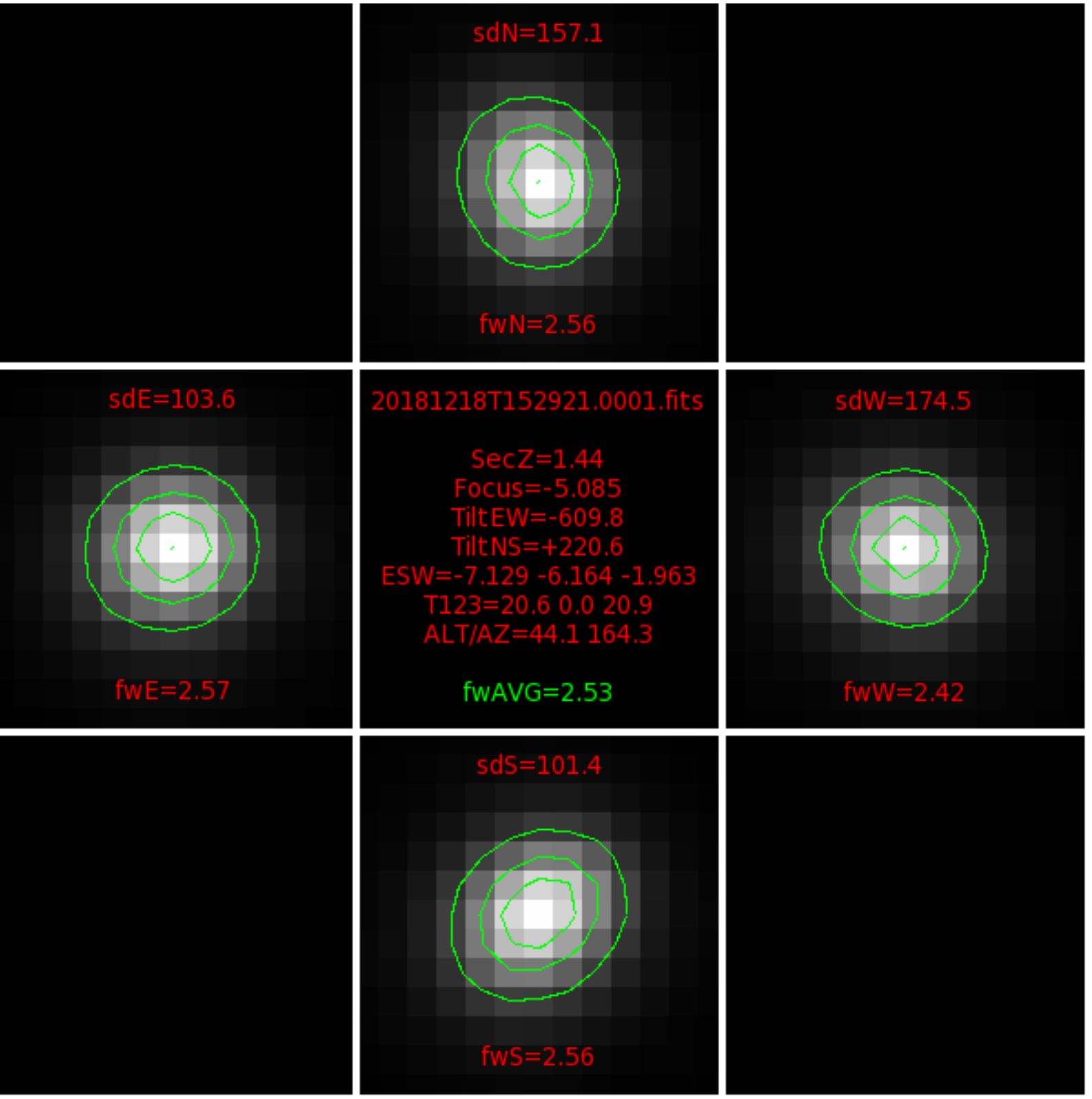
sdN=157.1
fwN=2.56
sdE=103.6
fwE=2.57
20181218T152921.0001.fits
SecZ=1.44
Focus=-5.085
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.129 -6.164 -1.963
T123=20.6 0.0 20.9
ALT/AZ=44.1 164.3
fwAVG=2.53
sdW=174.5
fwW=2.42
sdS=101.4
fwS=2.56
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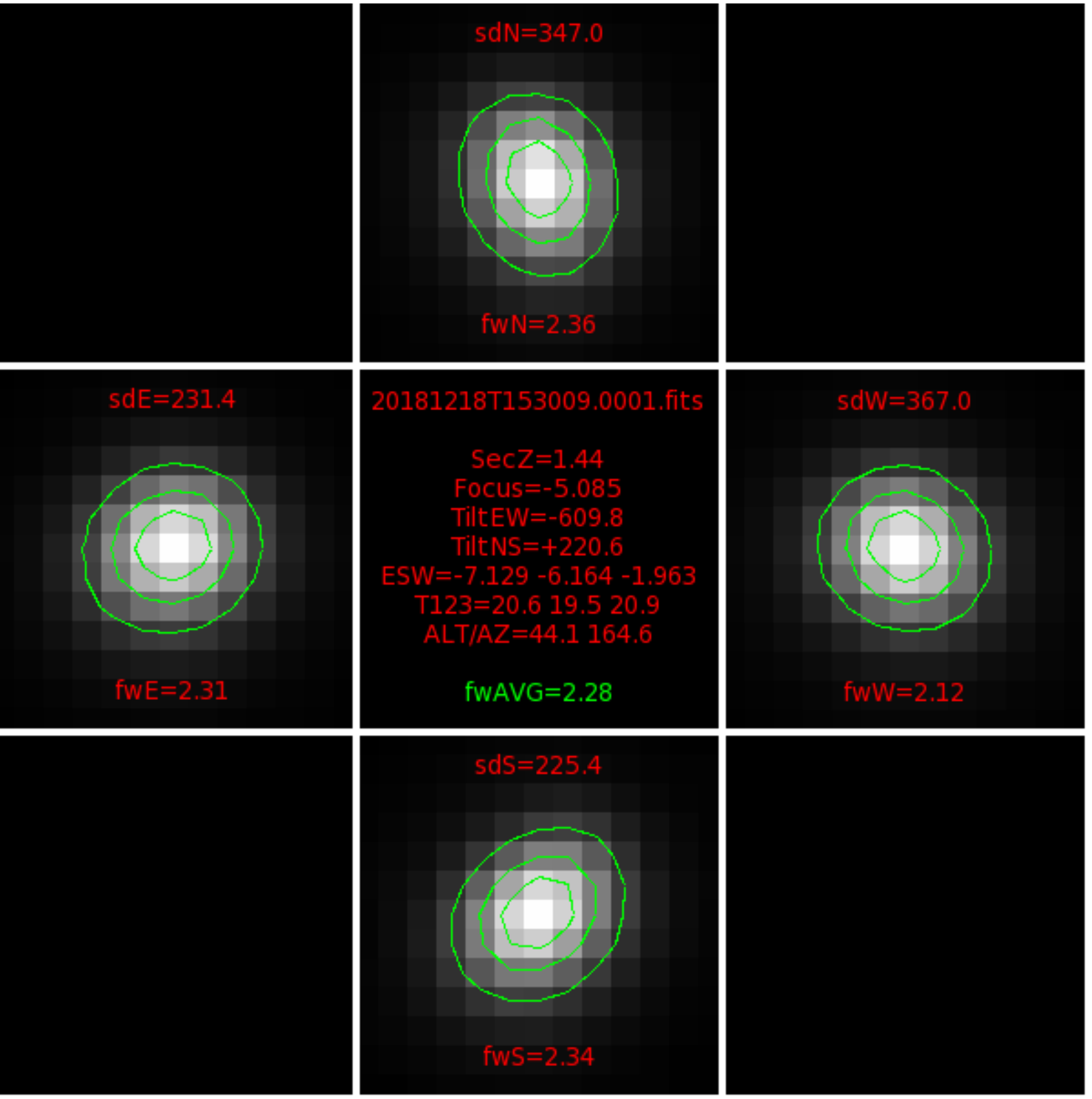
sdN=347.0
fwN=2.36
sdE=231.4
fwE=2.31
20181218T153009.0001.fits
SecZ=1.44
Focus=-5.085
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.129 -6.164 -1.963
T123=20.6 19.5 20.9
ALT/AZ=44.1 164.6
fwAVG=2.28
sdW=367.0
fwW=2.12
sdS=225.4
fwS=2.34
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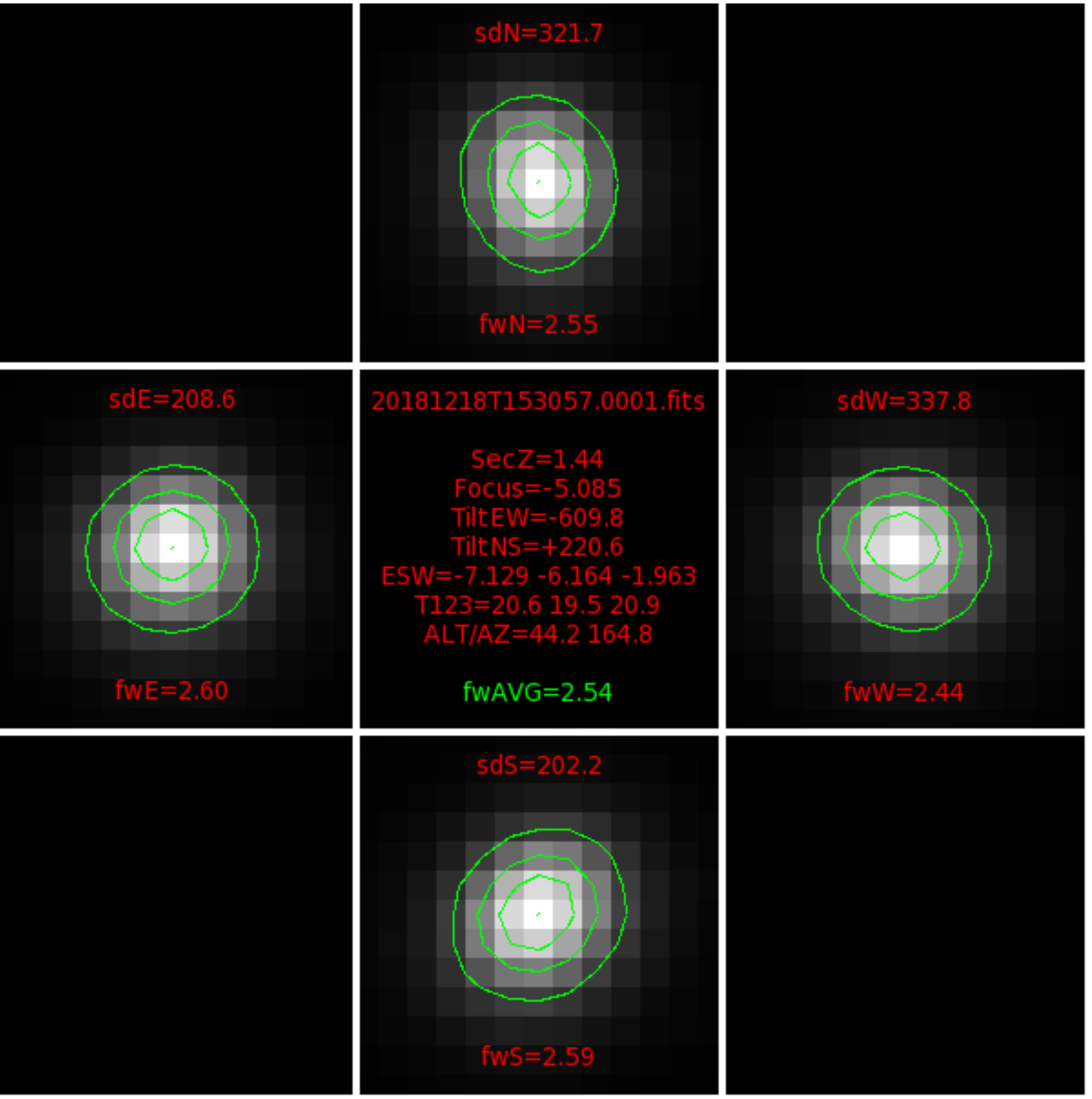
sdN=321.7
fwN=2.55
sdE=208.6
fwE=2.60
20181218T153057.0001.fits
SecZ=1.44
Focus=-5.085
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.129 -6.164 -1.963
T123=20.6 19.5 20.9
ALT/AZ=44.2 164.8
fwAVG=2.54
sdW=337.8
fwW=2.44
sdS=202.2
fwS=2.59
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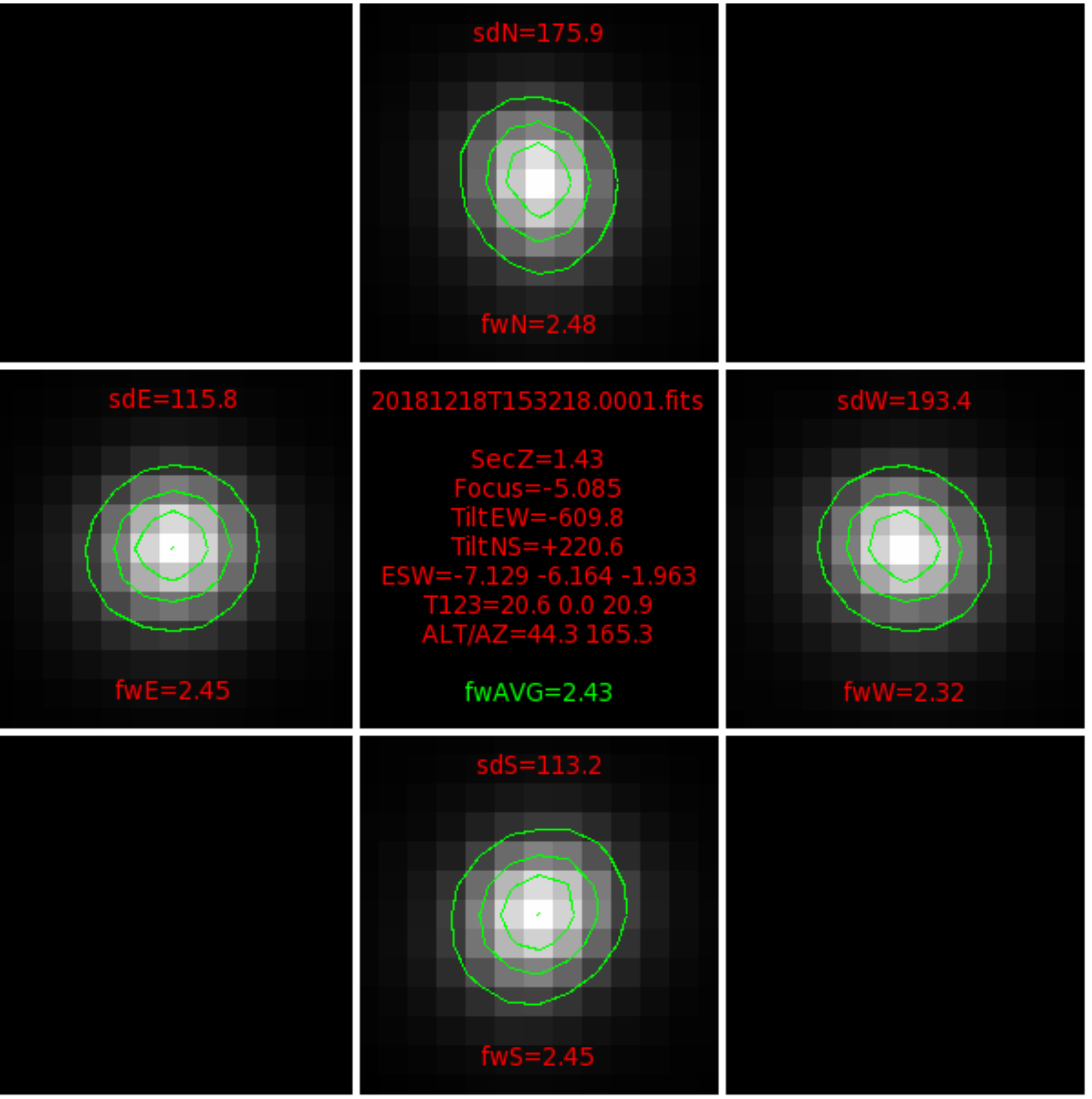
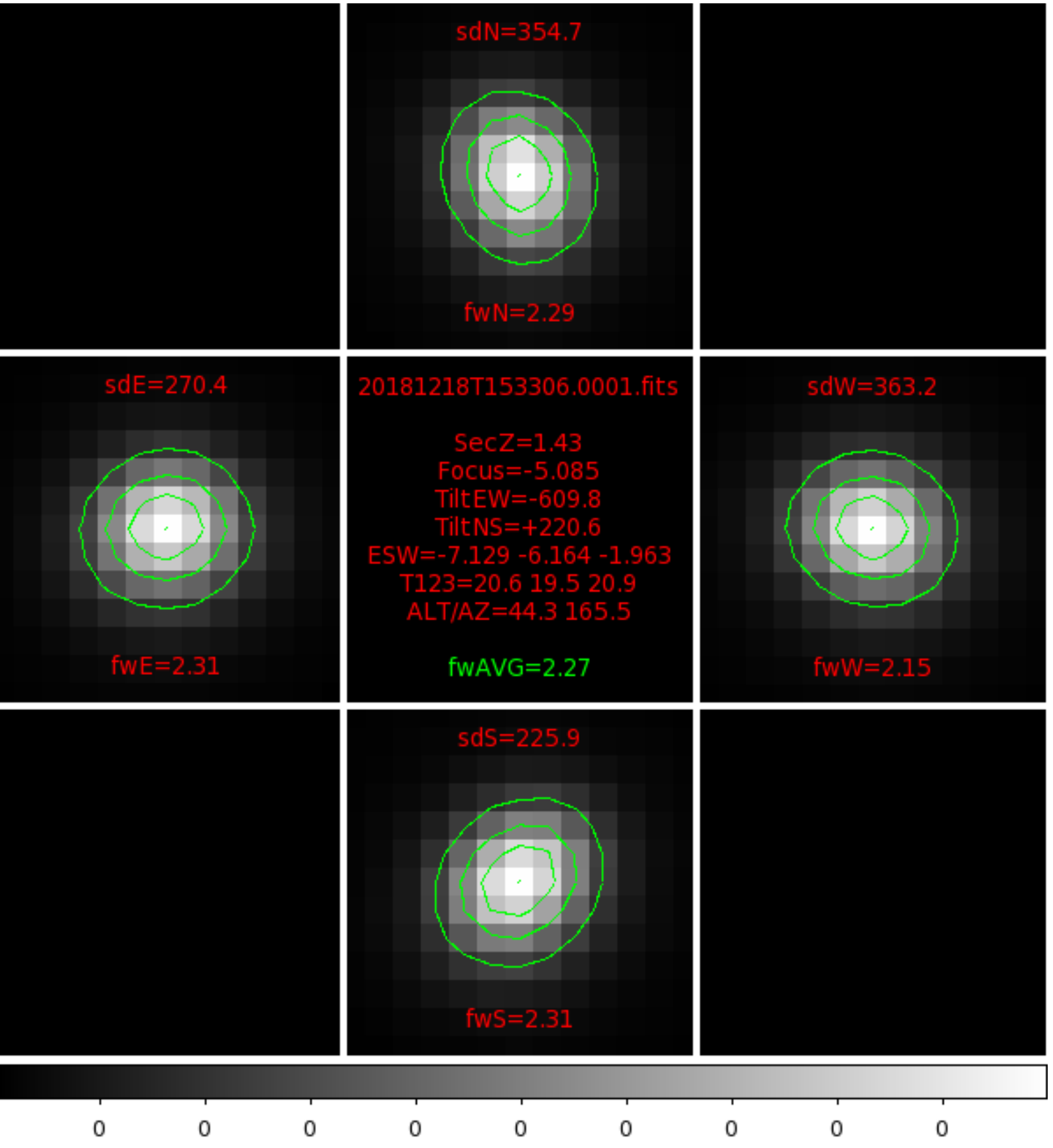

sdN=175.9
fwN=2.48
sdE=115.8
fwE=2.45
20181218T153218.0001.fits
SecZ=1.43
Focus=-5.085
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.129 -6.164 -1.963
T123=20.6 0.0 20.9
ALT/AZ=44.3 165.3
fwAVG=2.43
sdW=193.4
fwW=2.32
sdS=113.2
fwS=2.45
0 0 0 0 0 0 0 0 0


sdN=354.7
fwN=2.29
sdE=270.4
fwE=2.31
20181218T153306.0001.fits
SecZ=1.43
Focus=-5.085
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.129 -6.164 -1.963
T123=20.6 19.5 20.9
ALT/AZ=44.3 165.5
fwAVG=2.27
sdW=363.2
fwW=2.15
sdS=225.9
fwS=2.31
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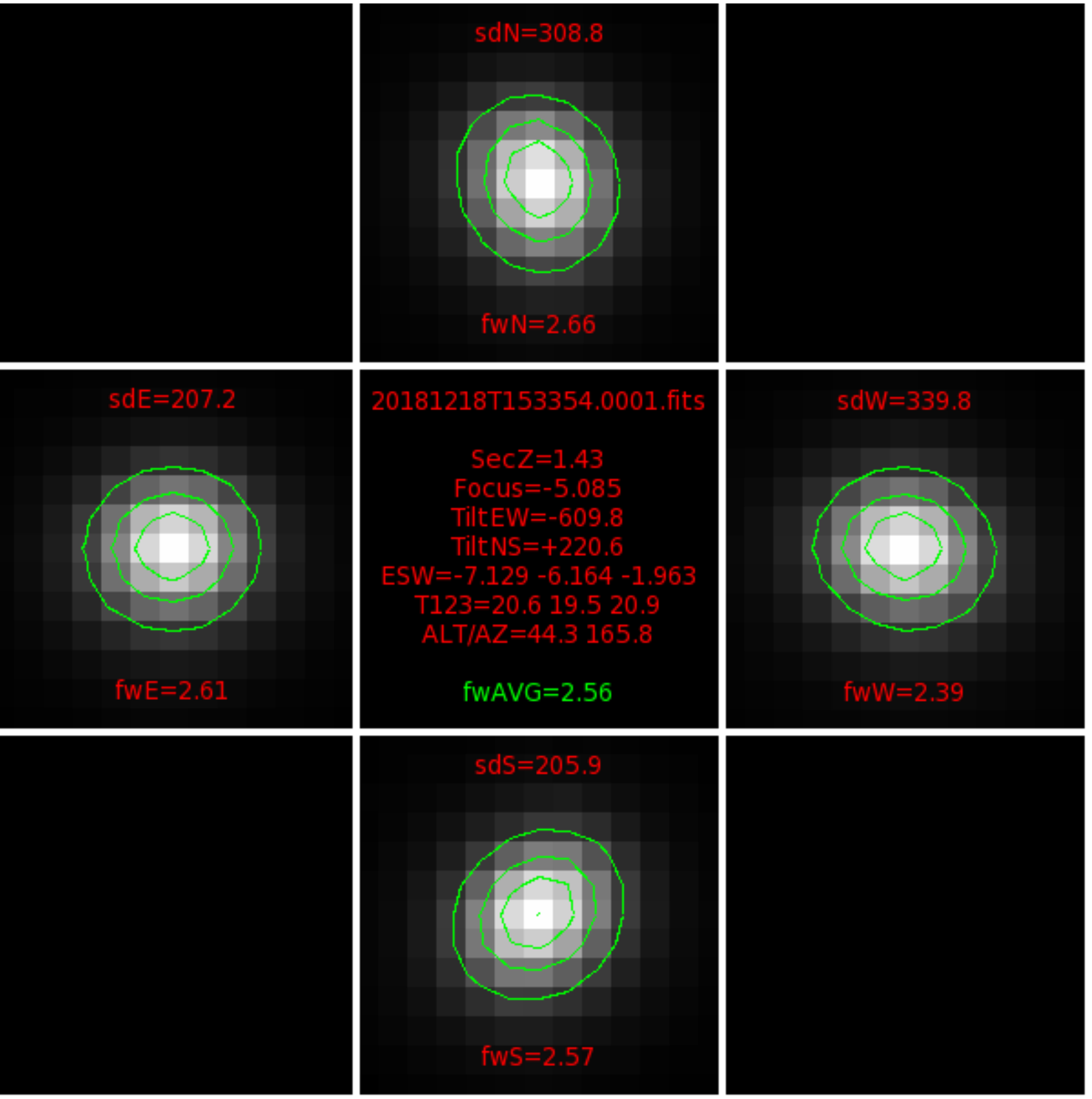
sdN=308.8
fwN=2.66
sdE=207.2
fwE=2.61
20181218T153354.0001.fits
SecZ=1.43
Focus=-5.085
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.129 -6.164 -1.963
T123=20.6 19.5 20.9
ALT/AZ=44.3 165.8
fwAVG=2.56
sdW=339.8
fwW=2.39
sdS=205.9
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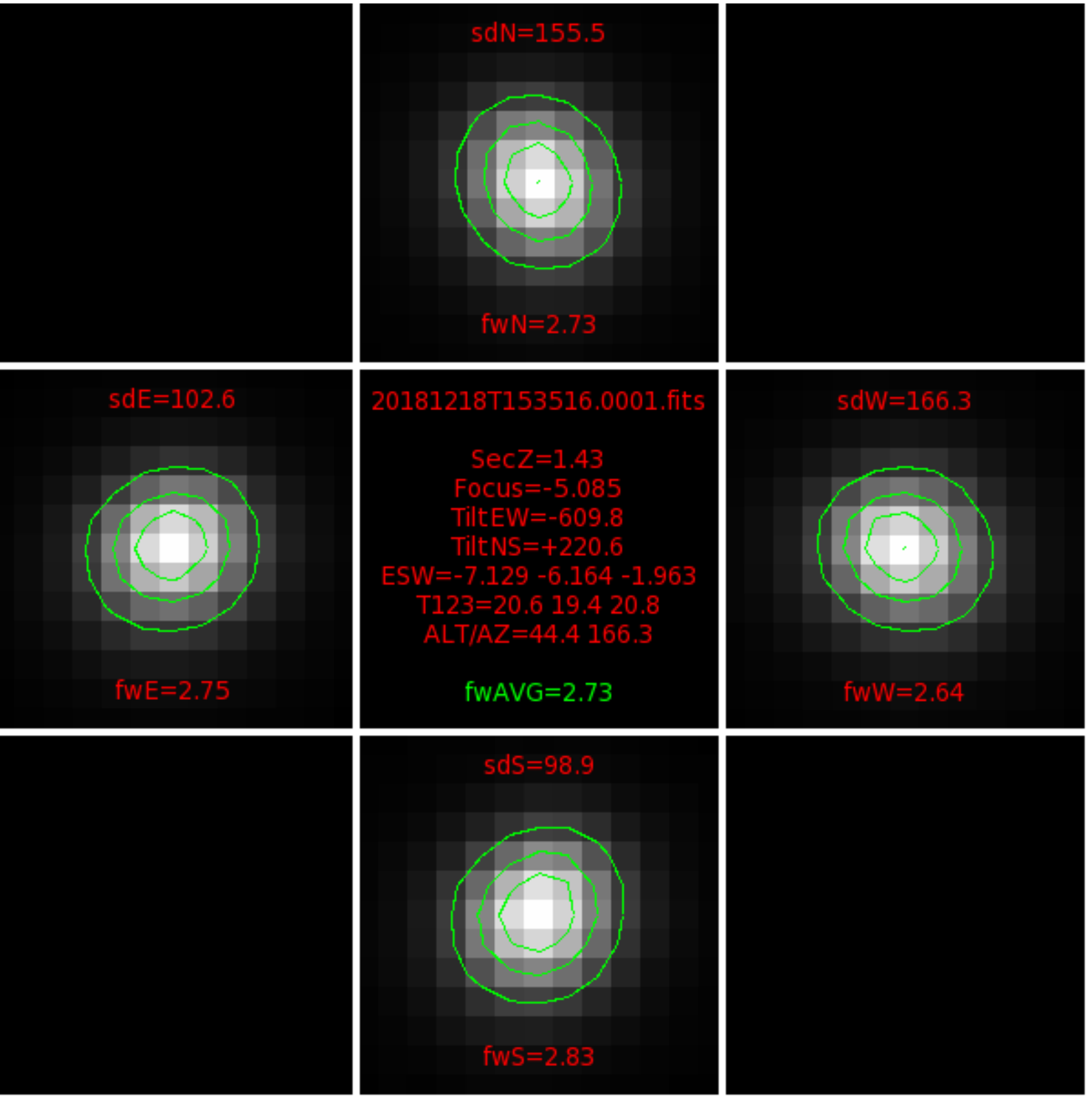
sdN=155.5
fwN=2.73
sdE=102.6
fwE=2.75
20181218T153516.0001.fits
SecZ=1.43
Focus=-5.085
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.129 -6.164 -1.963
T123=20.6 19.4 20.8
ALT/AZ=44.4 166.3
fwAVG=2.73
sdW=166.3
fwW=2.64
sdS=98.9
fwS=2.83
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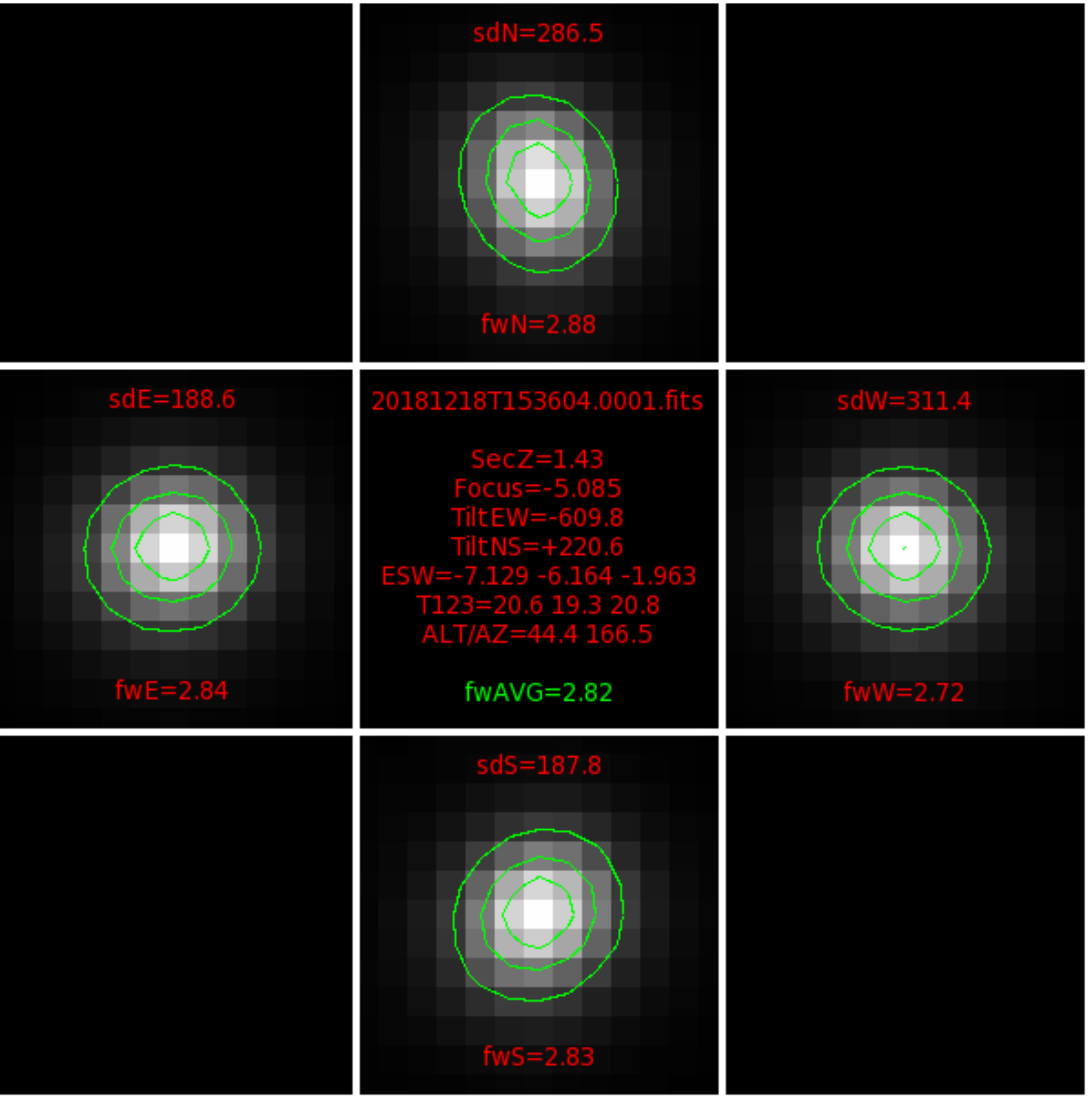
sdN=286.5
fwN=2.88
sdE=188.6
fwE=2.84
20181218T153604.0001.fits
SecZ=1.43
Focus=-5.085
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.129 -6.164 -1.963
T123=20.6 19.3 20.8
ALT/AZ=44.4 166.5
fwAVG=2.82
sdW=311.4
fwW=2.72
sdS=187.8
fwS=2.83
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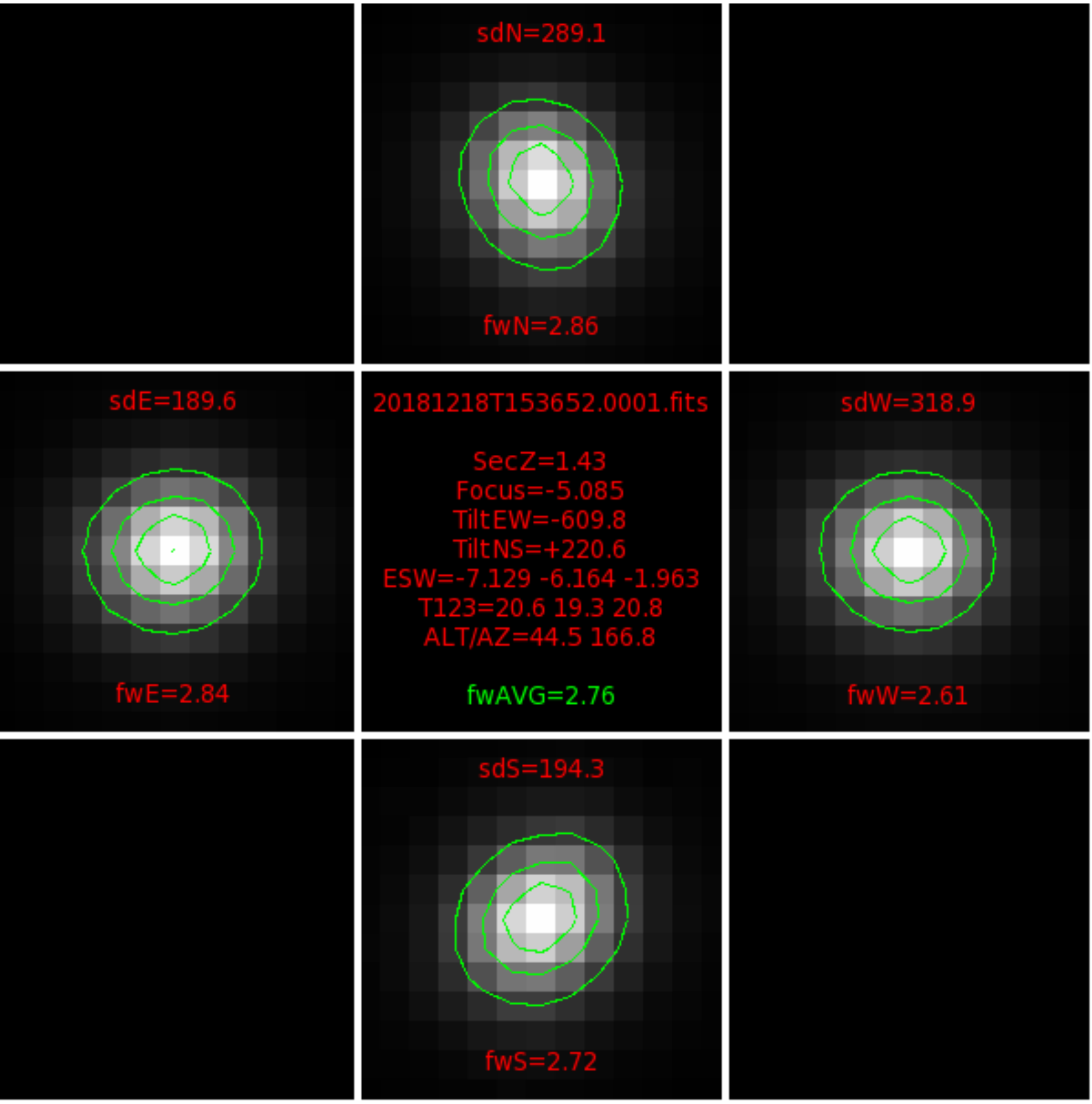
sdN=289.1
fwN=2.86
sdE=189.6
fwE=2.84
20181218T153652.0001.fits
SecZ=1.43
Focus=-5.085
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.129 -6.164 -1.963
T123=20.6 19.3 20.8
ALT/AZ=44.5 166.8
fwAVG=2.76
sdW=318.9
fwW=2.61
sdS=194.3
fwS=2.72
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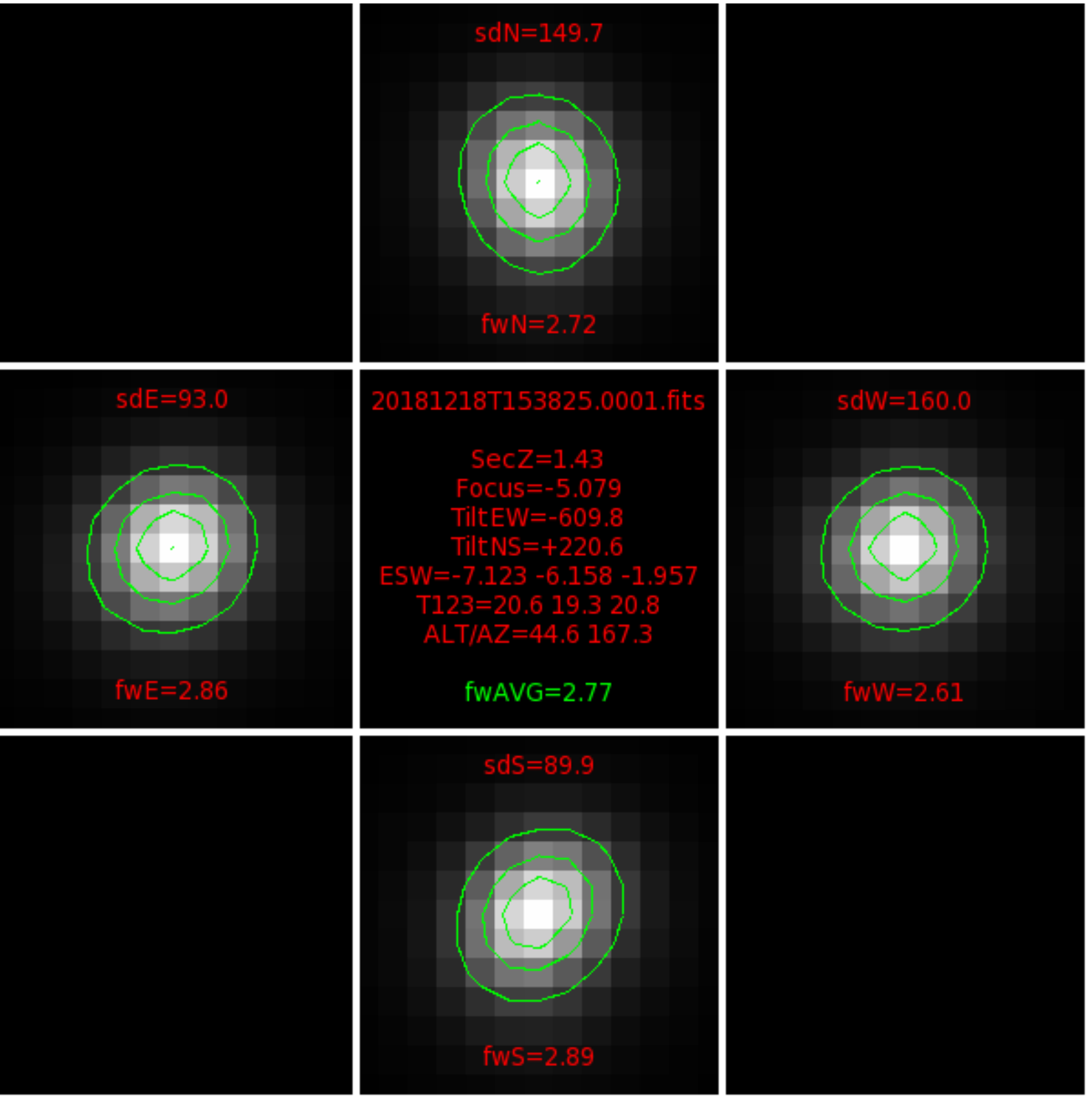
sdN=149.7
fwN=2.72
sdE=93.0
fwE=2.86
20181218T153825.0001.fits
SecZ=1.43
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.6 19.3 20.8
ALT/AZ=44.6 167.3
fwAVG=2.77
sdW=160.0
fwW=2.61
sdS=89.9
fwS=2.89
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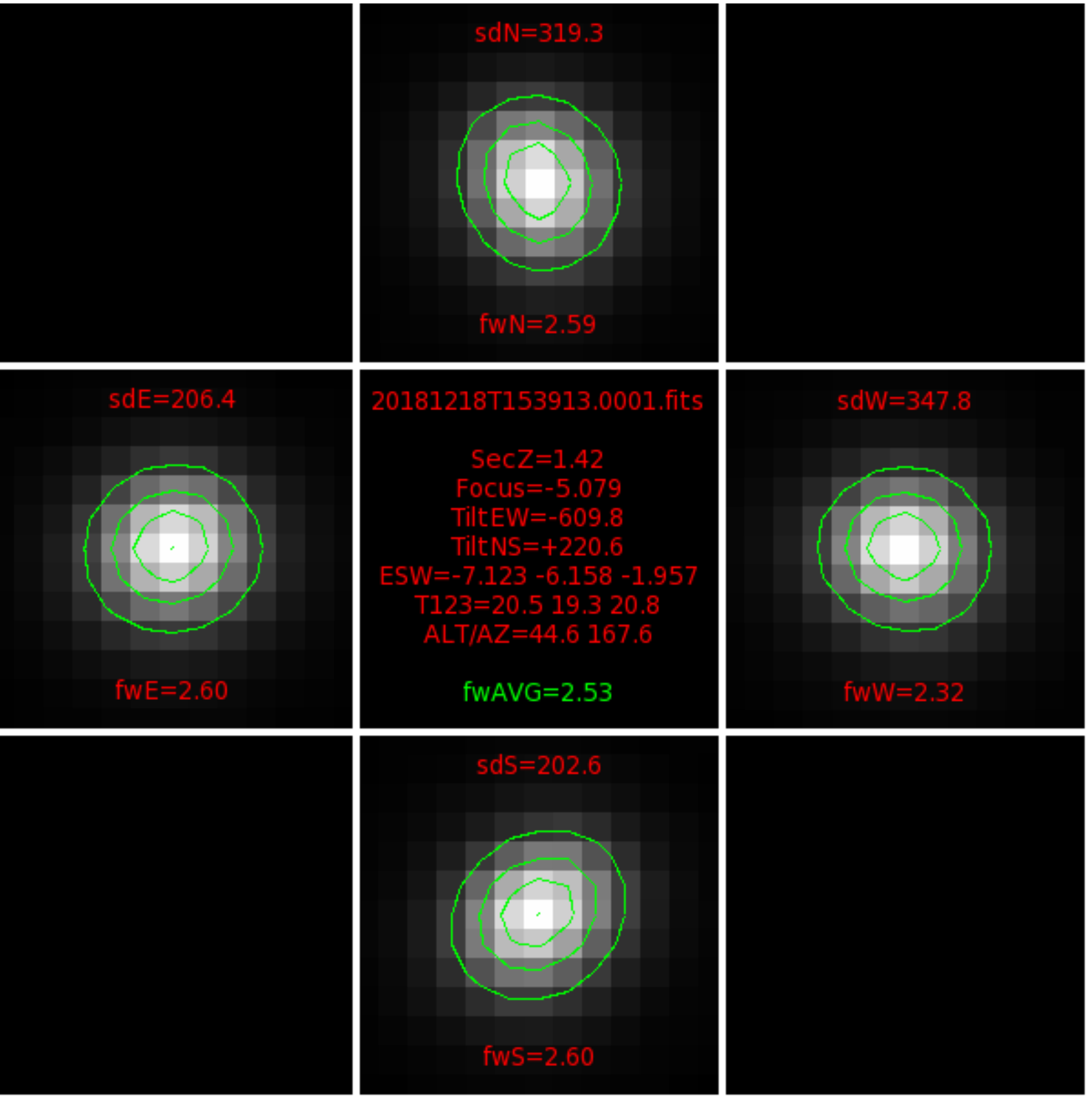
sdN=319.3
fwN=2.59
sdE=206.4
fwE=2.60
20181218T153913.0001.fits
SecZ=1.42
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 19.3 20.8
ALT/AZ=44.6 167.6
fwAVG=2.53
sdW=347.8
fwW=2.32
sdS=202.6
fwS=2.60
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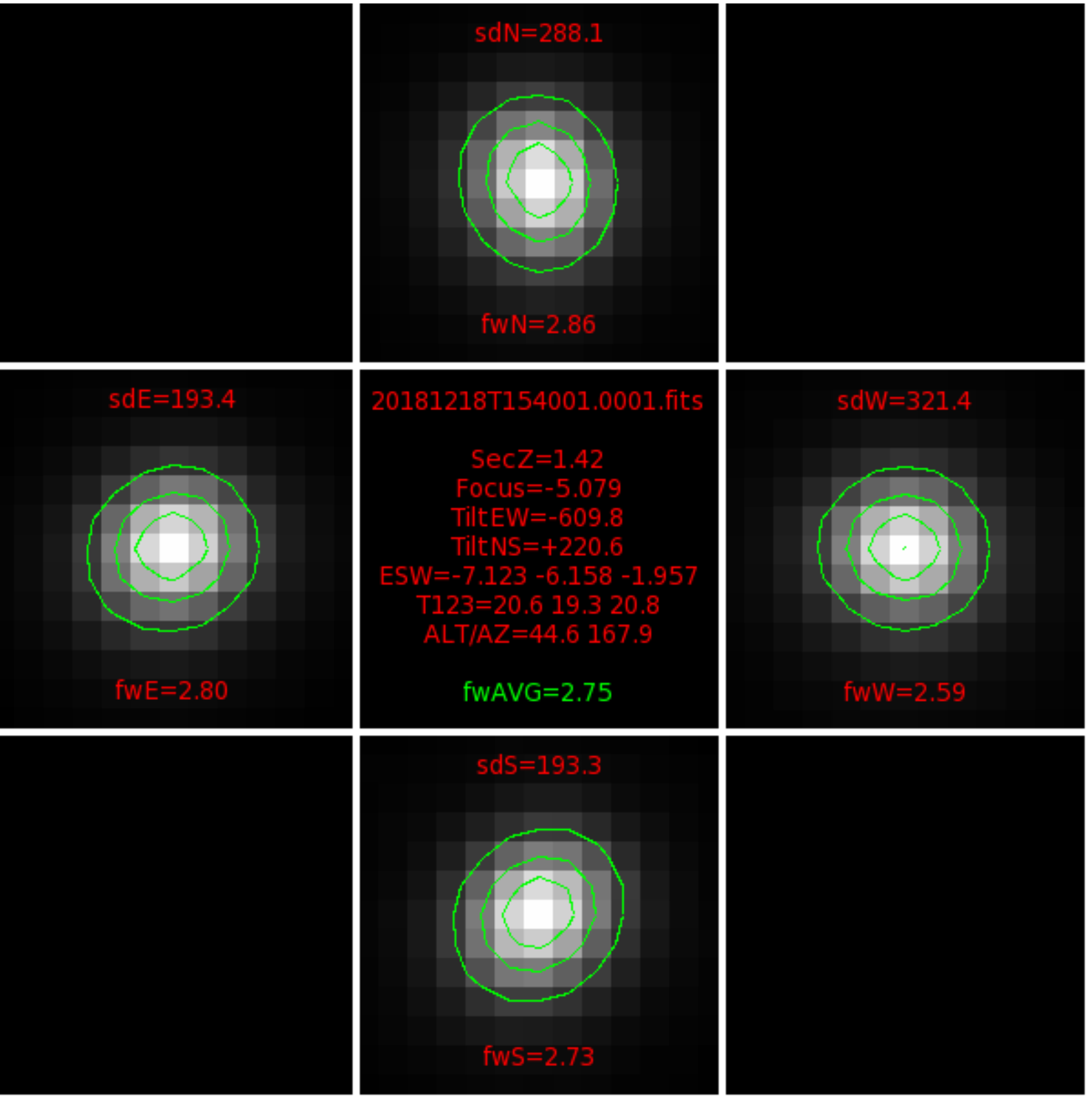
sdN=288.1
fwN=2.86
sdE=193.4
fwE=2.80
20181218T154001.0001.fits
SecZ=1.42
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.6 19.3 20.8
ALT/AZ=44.6 167.9
fwAVG=2.75
sdW=321.4
fwW=2.59
sdS=193.3
fwS=2.73
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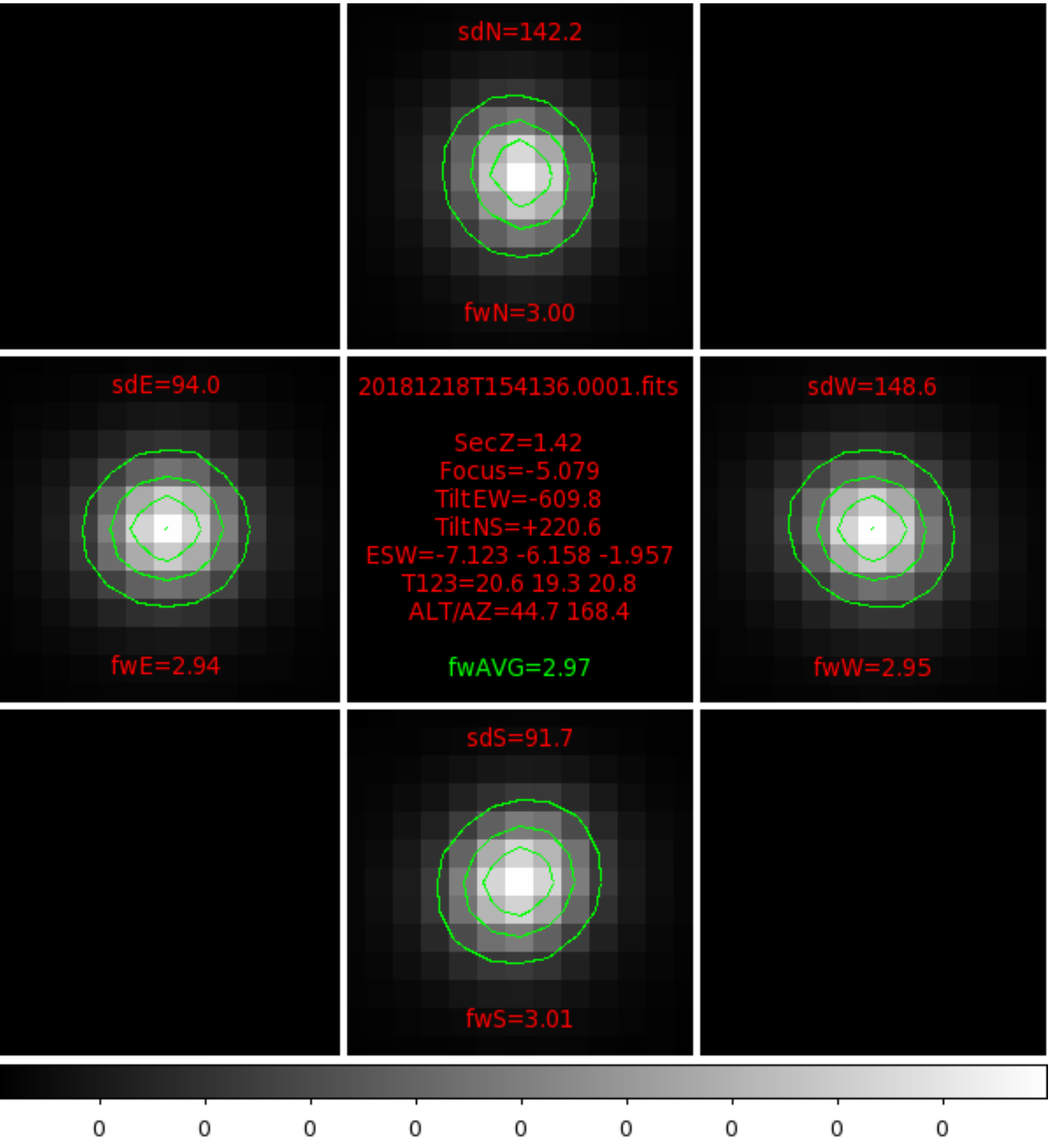
sdN=142.2
fwN=3.00
sdE=94.0
fwE=2.94
20181218T154136.0001.fits
SecZ=1.42
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.6 19.3 20.8
ALT/AZ=44.7 168.4
fwAVG=2.97
sdW=148.6
fwW=2.95
sdS=91.7
fwS=3.01
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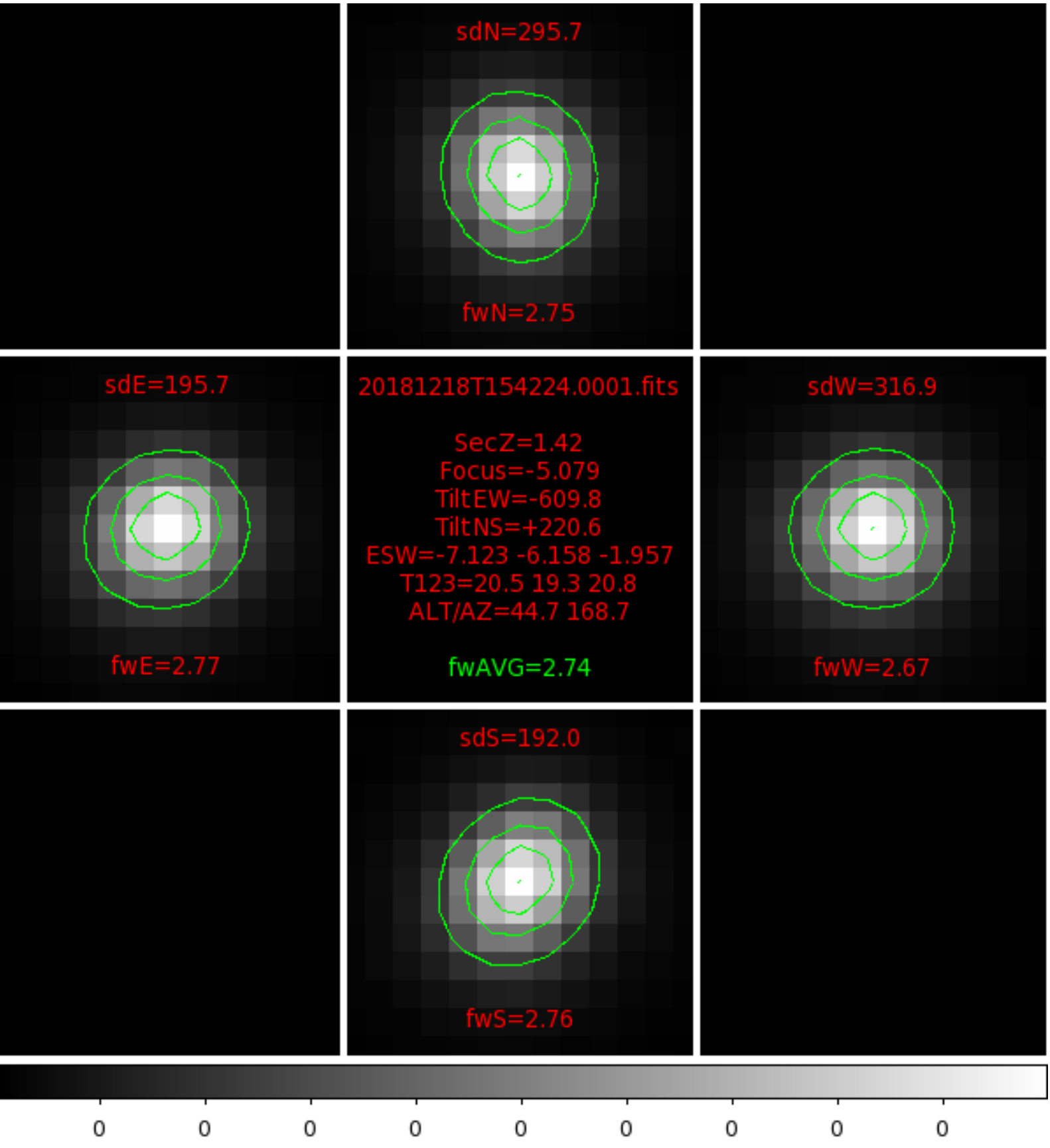
sdN=295.7
fwN=2.75
sdE=195.7
fwE=2.77
20181218T154224.0001.fits
SecZ=1.42
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 19.3 20.8
ALT/AZ=44.7 168.7
fwAVG=2.74
sdW=316.9
fwW=2.67
sdS=192.0
fwS=2.76
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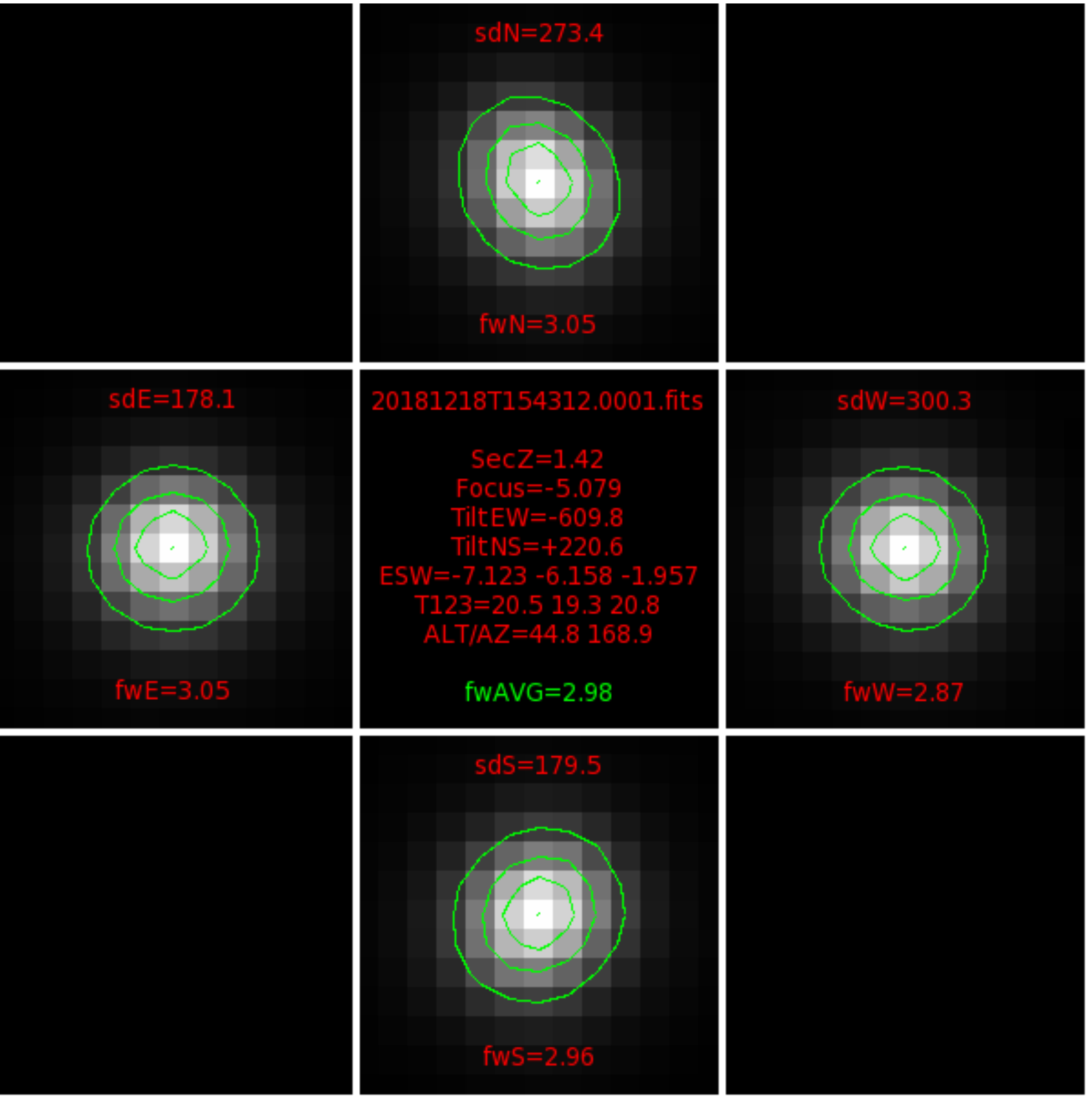
sdN=273.4
fwN=3.05
sdE=178.1
fwE=3.05
20181218T154312.0001.fits
SecZ=1.42
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 19.3 20.8
ALT/AZ=44.8 168.9
fwAVG=2.98
sdW=300.3
fwW=2.87
sdS=179.5
fwS=2.96
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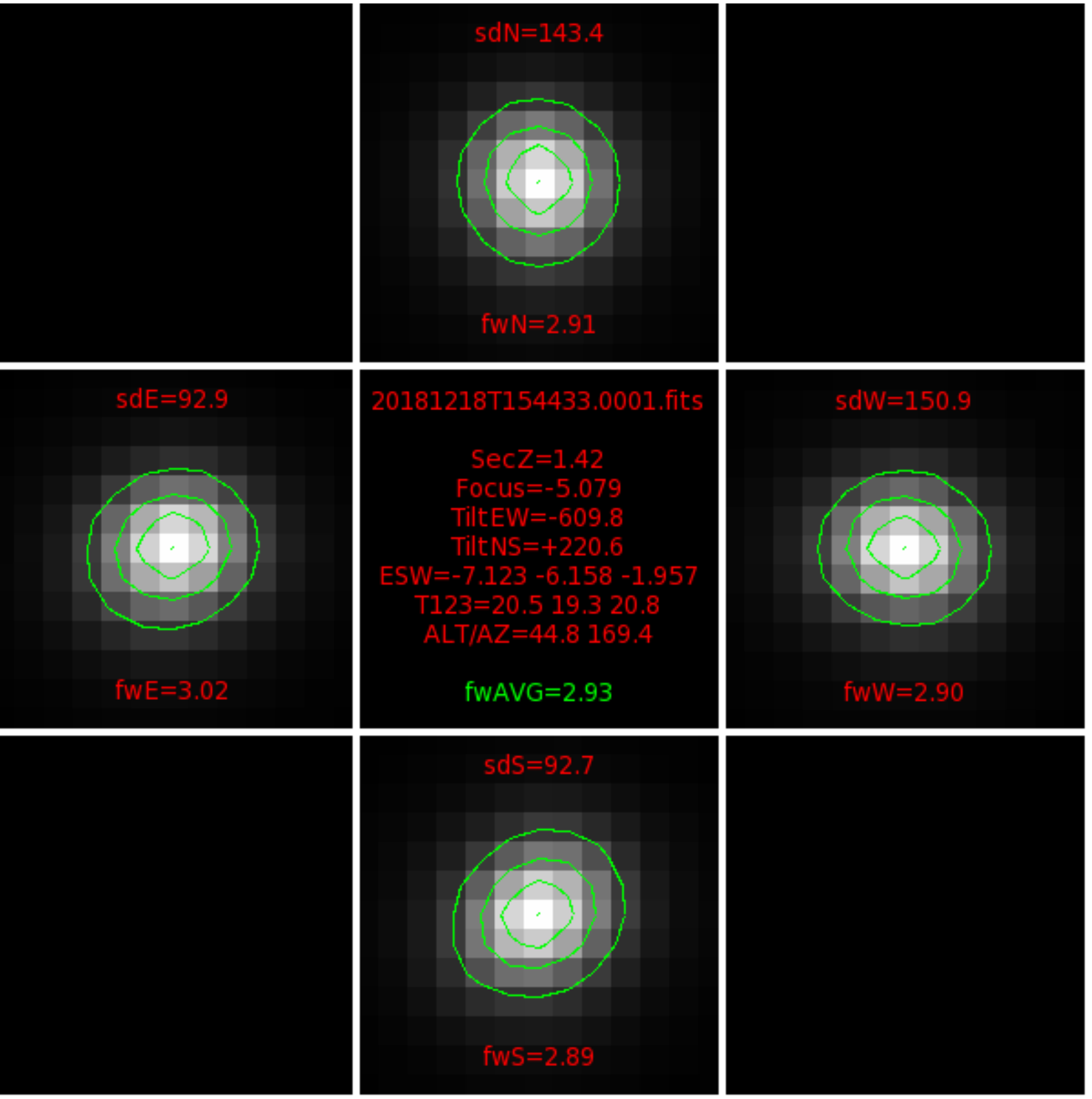
sdN=143.4
fwN=2.91
sdE=92.9
fwE=3.02
20181218T154433.0001.fits
SecZ=1.42
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 19.3 20.8
ALT/AZ=44.8 169.4
fwAVG=2.93
sdW=150.9
fwW=2.90
sdS=92.7
fwS=2.89
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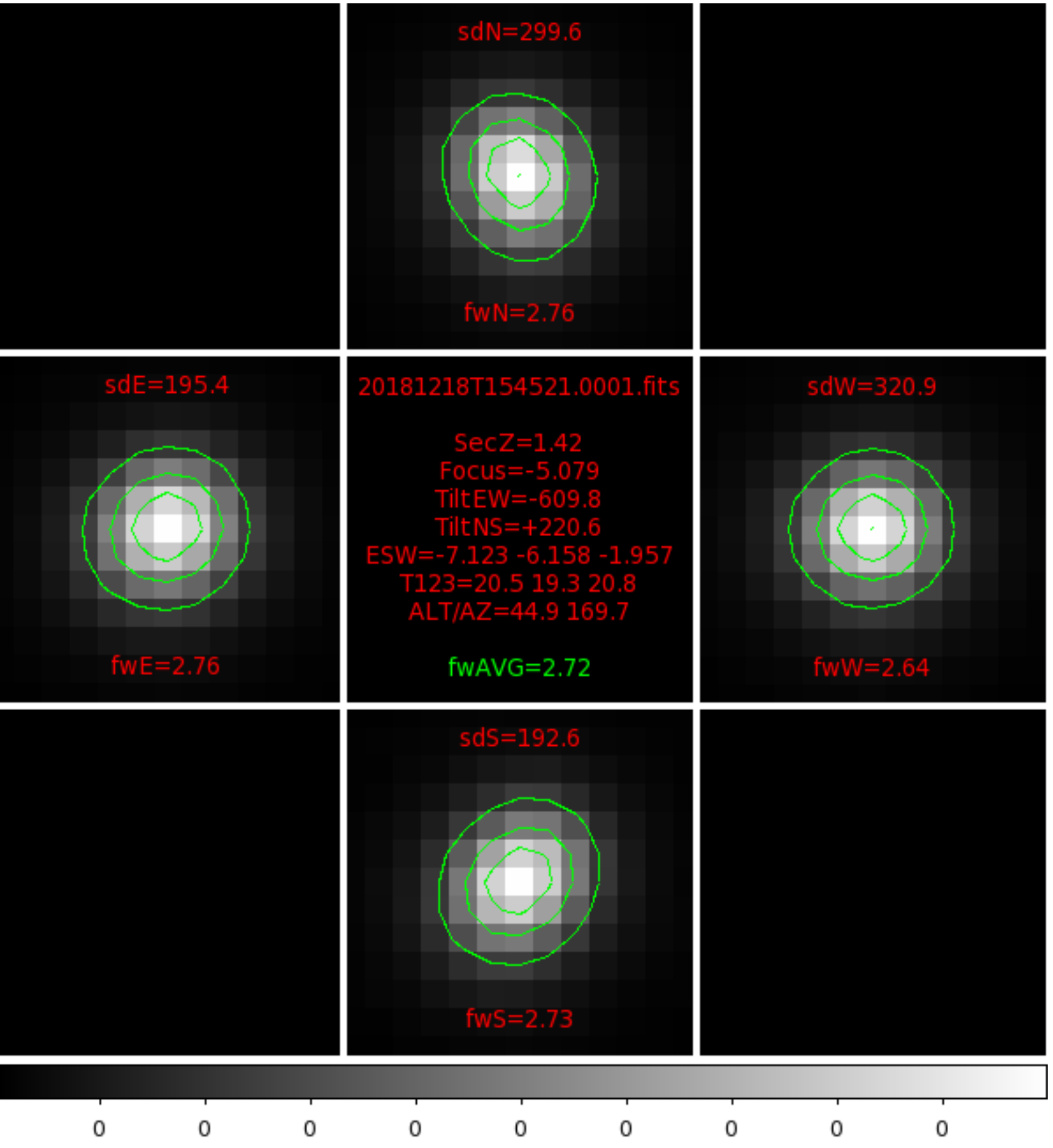
sdN=299.6
fwN=2.76
sdE=195.4
fwE=2.76
20181218T154521.0001.fits
SecZ=1.42
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 19.3 20.8
ALT/AZ=44.9 169.7
fwAVG=2.72
sdW=320.9
fwW=2.64
sdS=192.6
fwS=2.73
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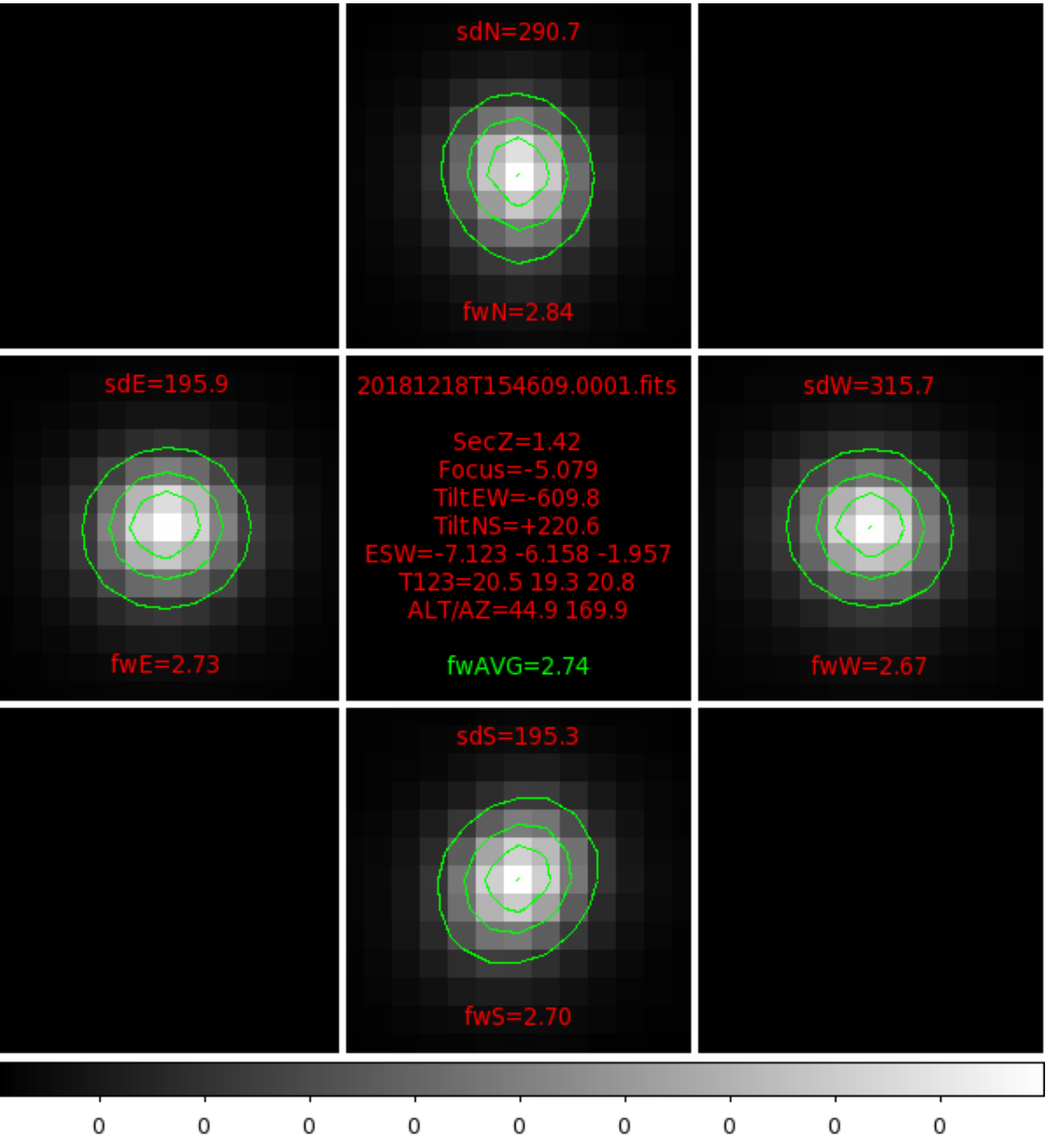
sdN=290.7
fwN=2.84
sdE=195.9
fwE=2.73
20181218T154609.0001.fits
SecZ=1.42
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 19.3 20.8
ALT/AZ=44.9 169.9
fwAVG=2.74
sdW=315.7
fwW=2.67
sdS=195.3
fwS=2.70
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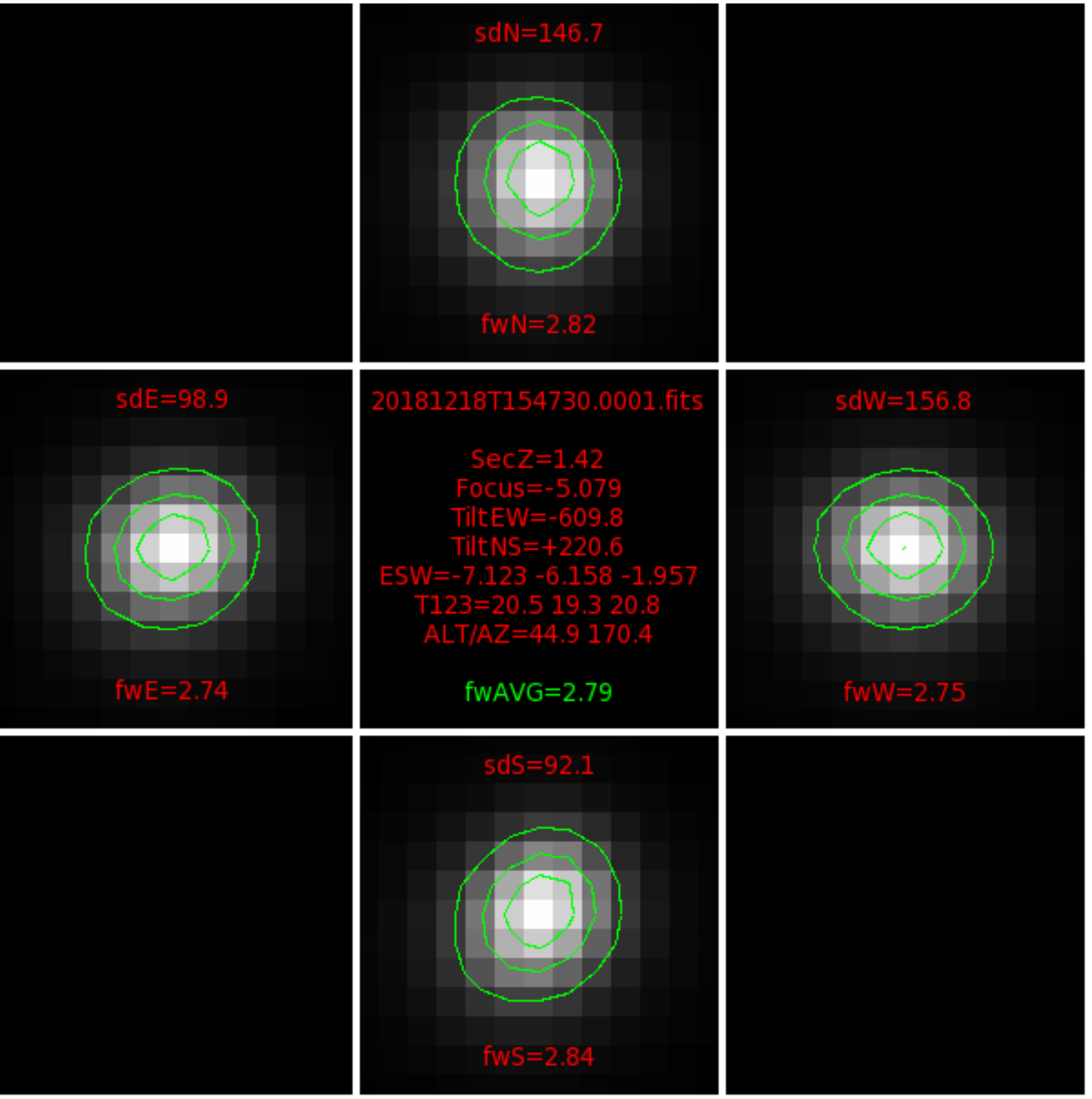
sdN=146.7
fwN=2.82
sdE=98.9
fwE=2.74
20181218T154730.0001.fits
SecZ=1.42
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 19.3 20.8
ALT/AZ=44.9 170.4
fwAVG=2.79
sdW=156.8
fwW=2.75
sdS=92.1
fwS=2.84
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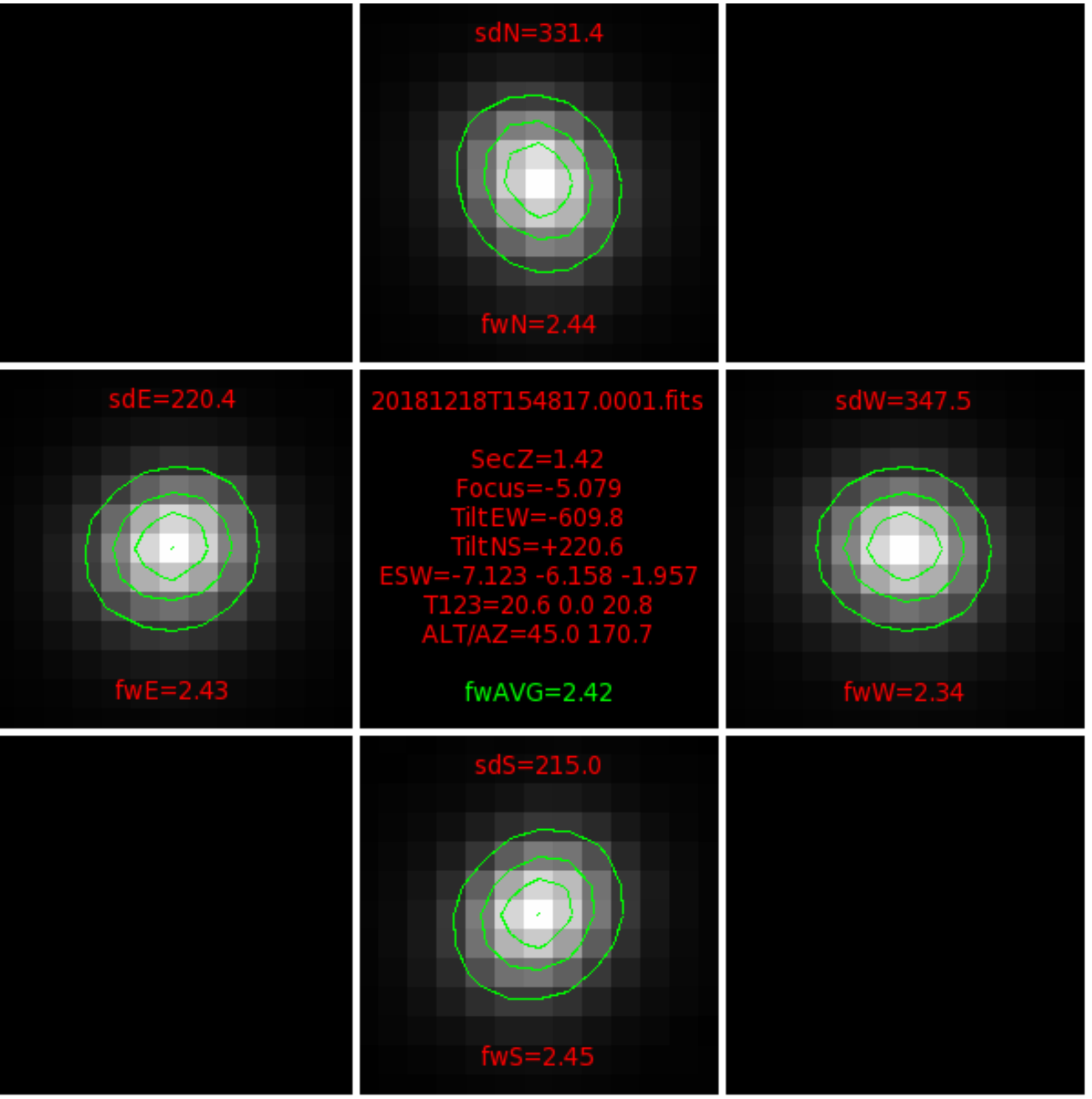
sdN=331.4
fwN=2.44
sdE=220.4
fwE=2.43
20181218T154817.0001.fits
SecZ=1.42
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.6 0.0 20.8
ALT/AZ=45.0 170.7
fwAVG=2.42
sdW=347.5
fwW=2.34
sdS=215.0
fwS=2.45
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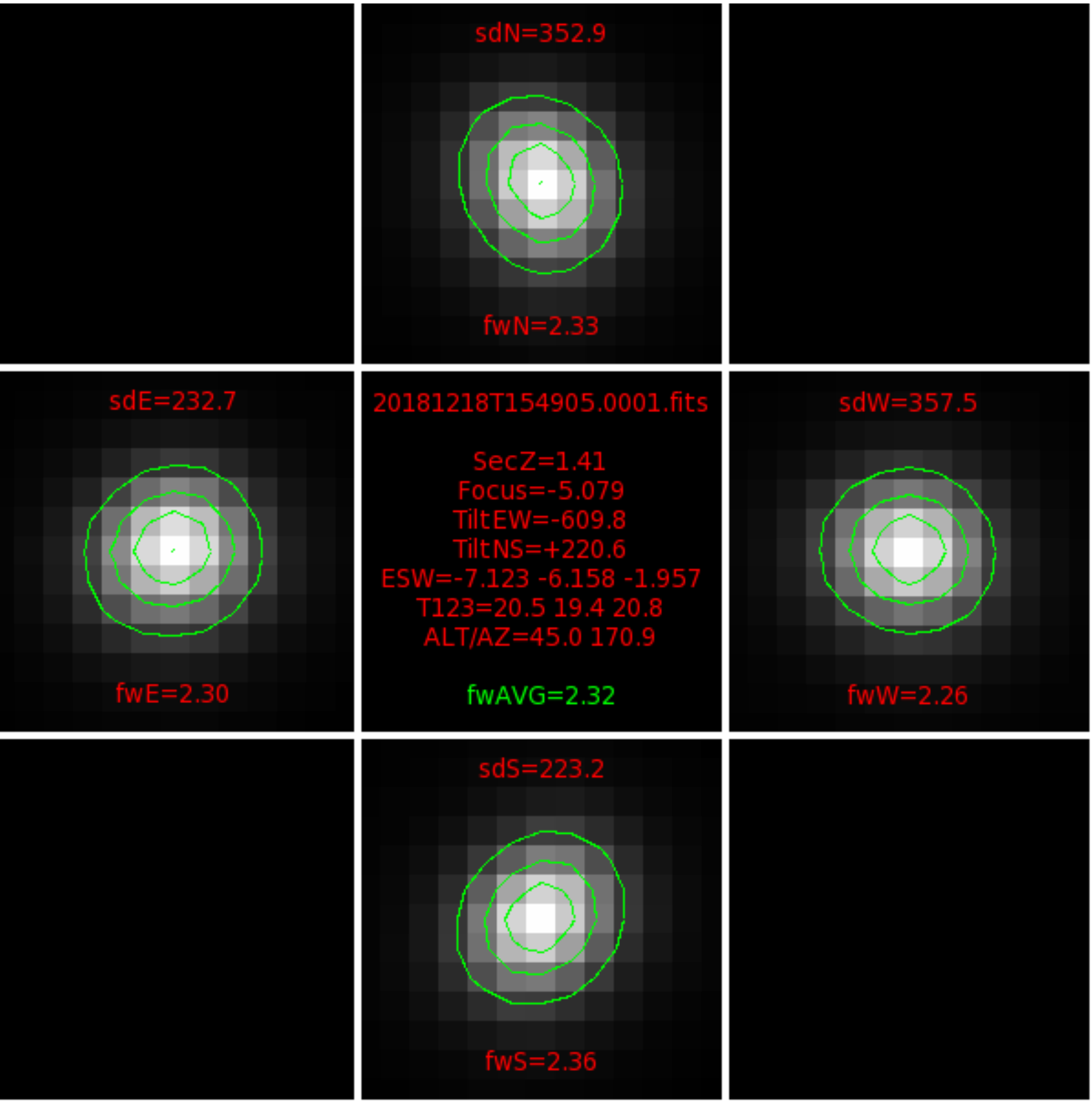
sdN=352.9
fwN=2.33
sdE=232.7
fwE=2.30
20181218T154905.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 19.4 20.8
ALT/AZ=45.0 170.9
fwAVG=2.32
sdW=357.5
fwW=2.26
sdS=223.2
fwS=2.36
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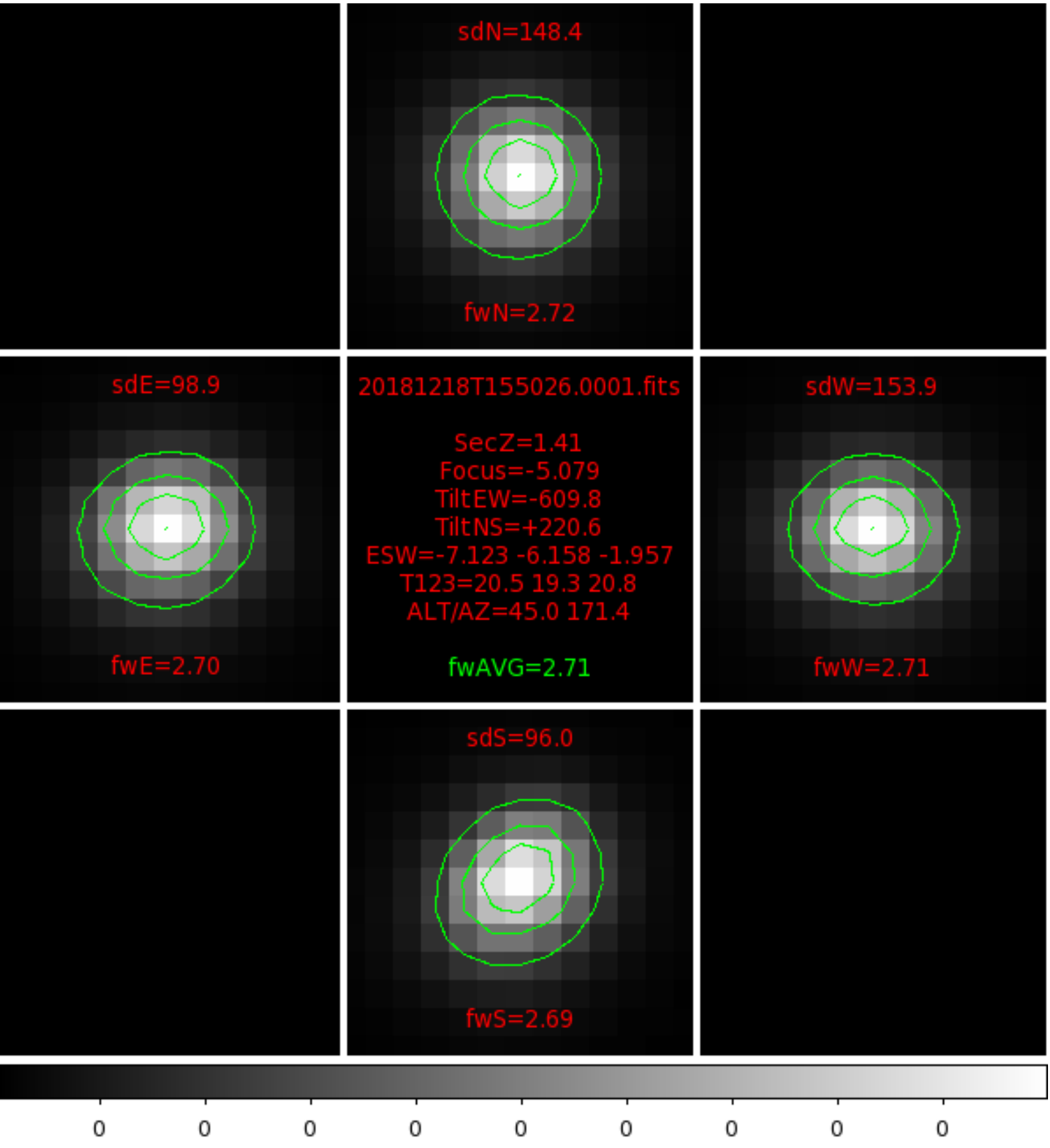
sdN=148.4
fwN=2.72
sdE=98.9
fwE=2.70
20181218T155026.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 19.3 20.8
ALT/AZ=45.0 171.4
fwAVG=2.71
sdW=153.9
fwW=2.71
sdS=96.0
fwS=2.69
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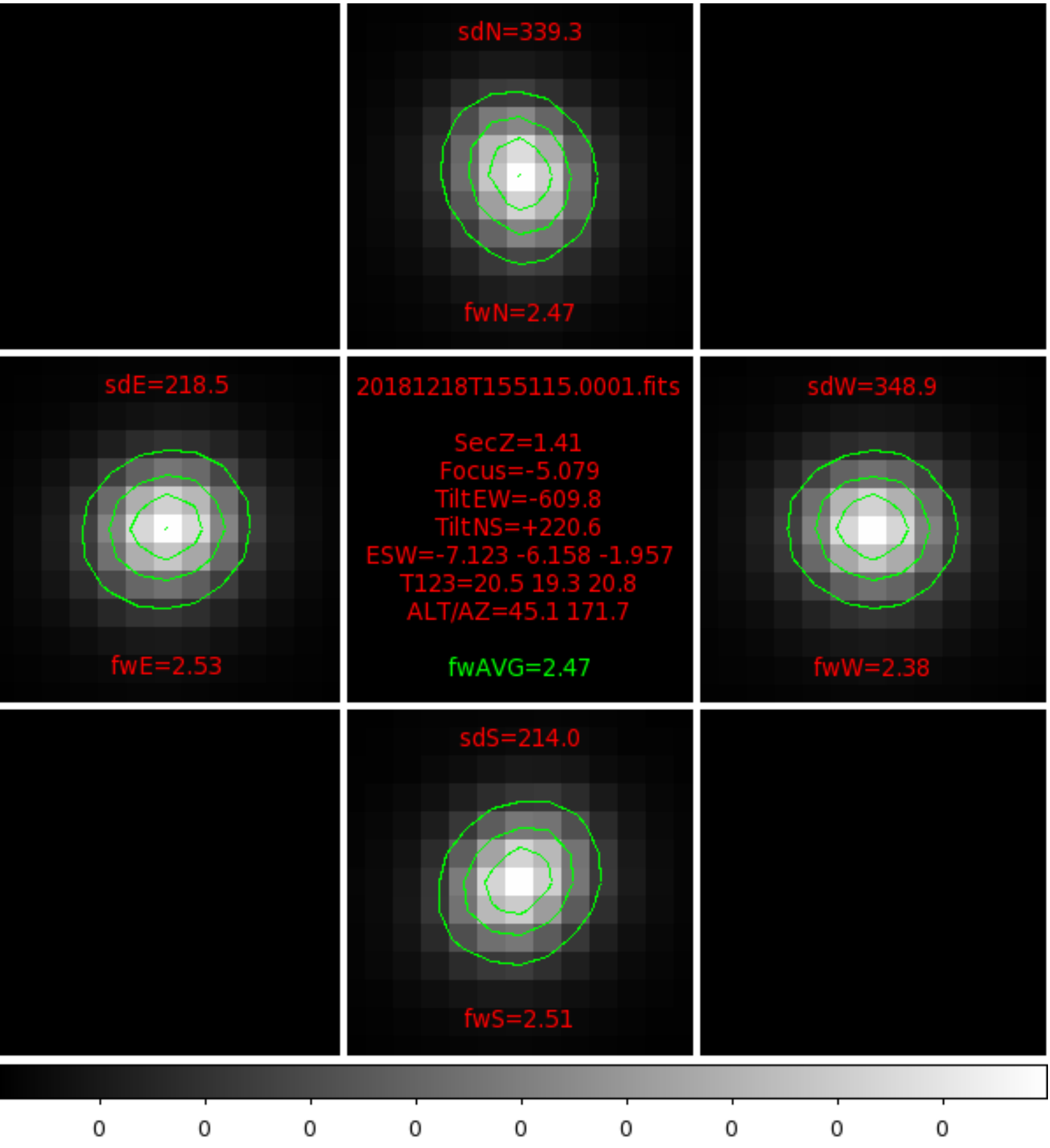
sdN=339.3
fwN=2.47
sdE=218.5
fwE=2.53
20181218T155115.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 19.3 20.8
ALT/AZ=45.1 171.7
fwAVG=2.47
sdW=348.9
fwW=2.38
sdS=214.0
fwS=2.51
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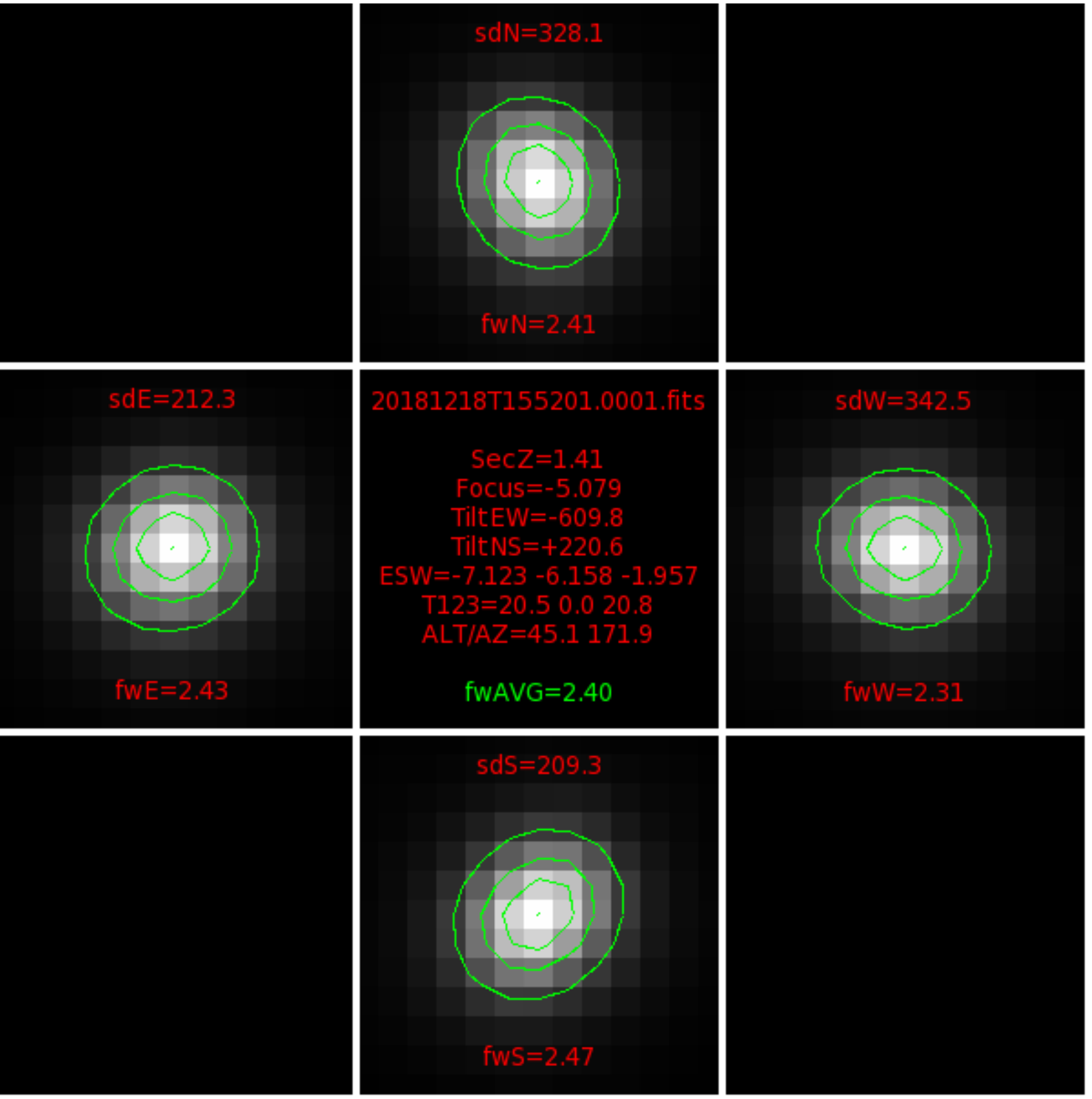
sdN=328.1
fwN=2.41
sdE=212.3
fwE=2.43
20181218T155201.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 0.0 20.8
ALT/AZ=45.1 171.9
fwAVG=2.40
sdW=342.5
fwW=2.31
sdS=209.3
fwS=2.47
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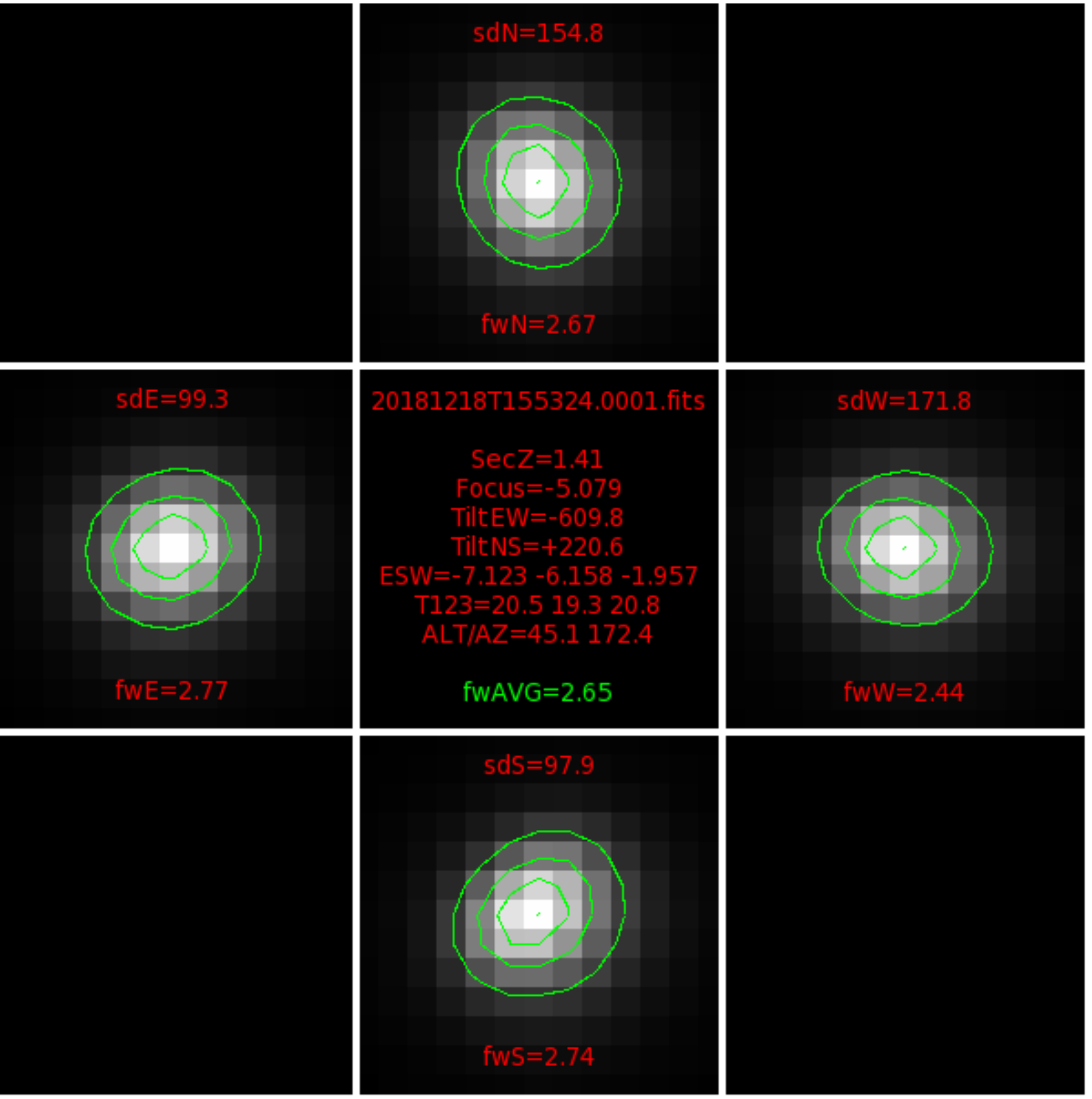
sdN=154.8
fwN=2.67
sdE=99.3
fwE=2.77
20181218T155324.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 19.3 20.8
ALT/AZ=45.1 172.4
fwAVG=2.65
sdW=171.8
fwW=2.44
sdS=97.9
fwS=2.74
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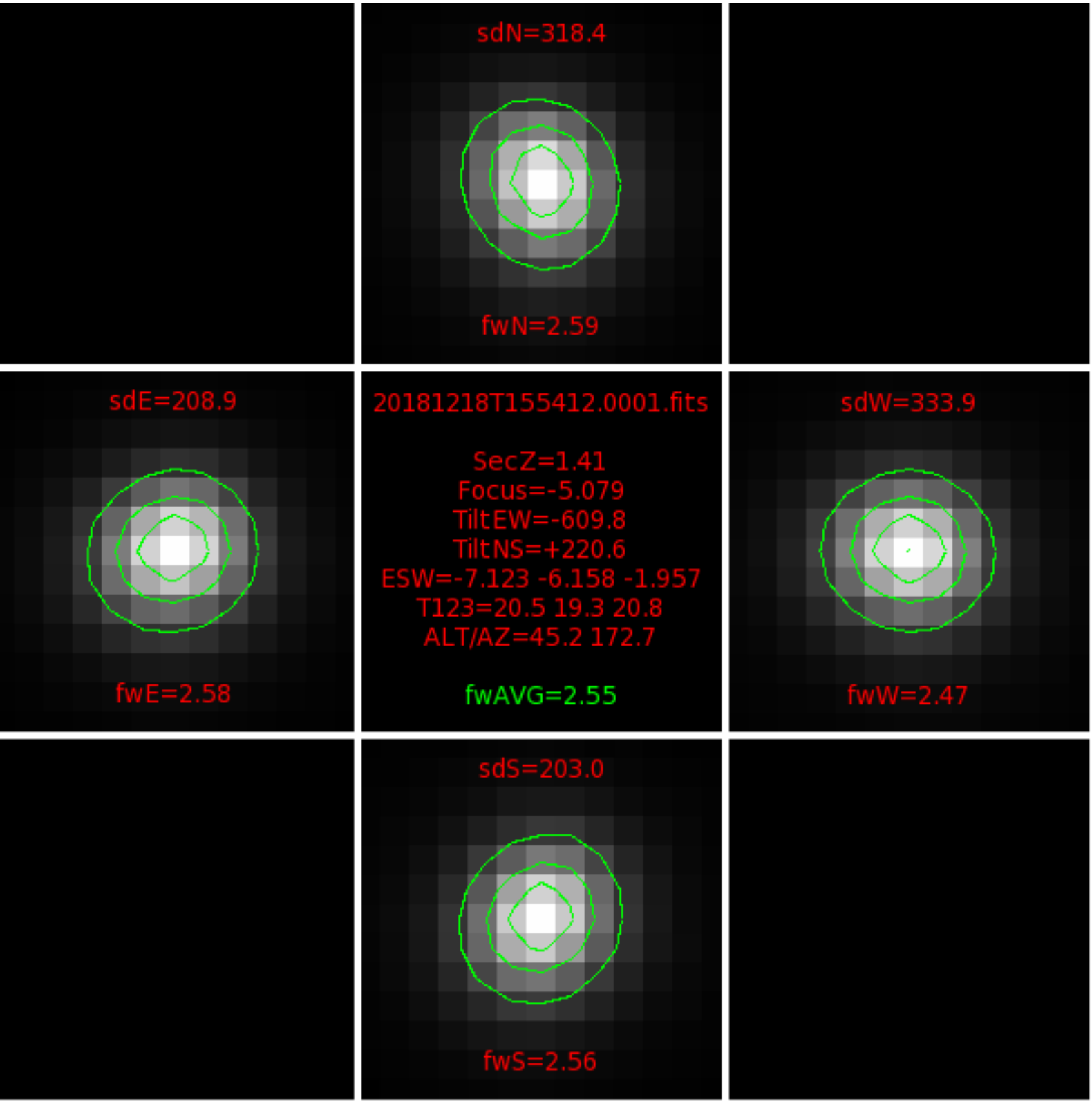
sdN=318.4
fwN=2.59
sdE=208.9
fwE=2.58
20181218T155412.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 19.3 20.8
ALT/AZ=45.2 172.7
fwAVG=2.55
sdW=333.9
fwW=2.47
sdS=203.0
fwS=2.56
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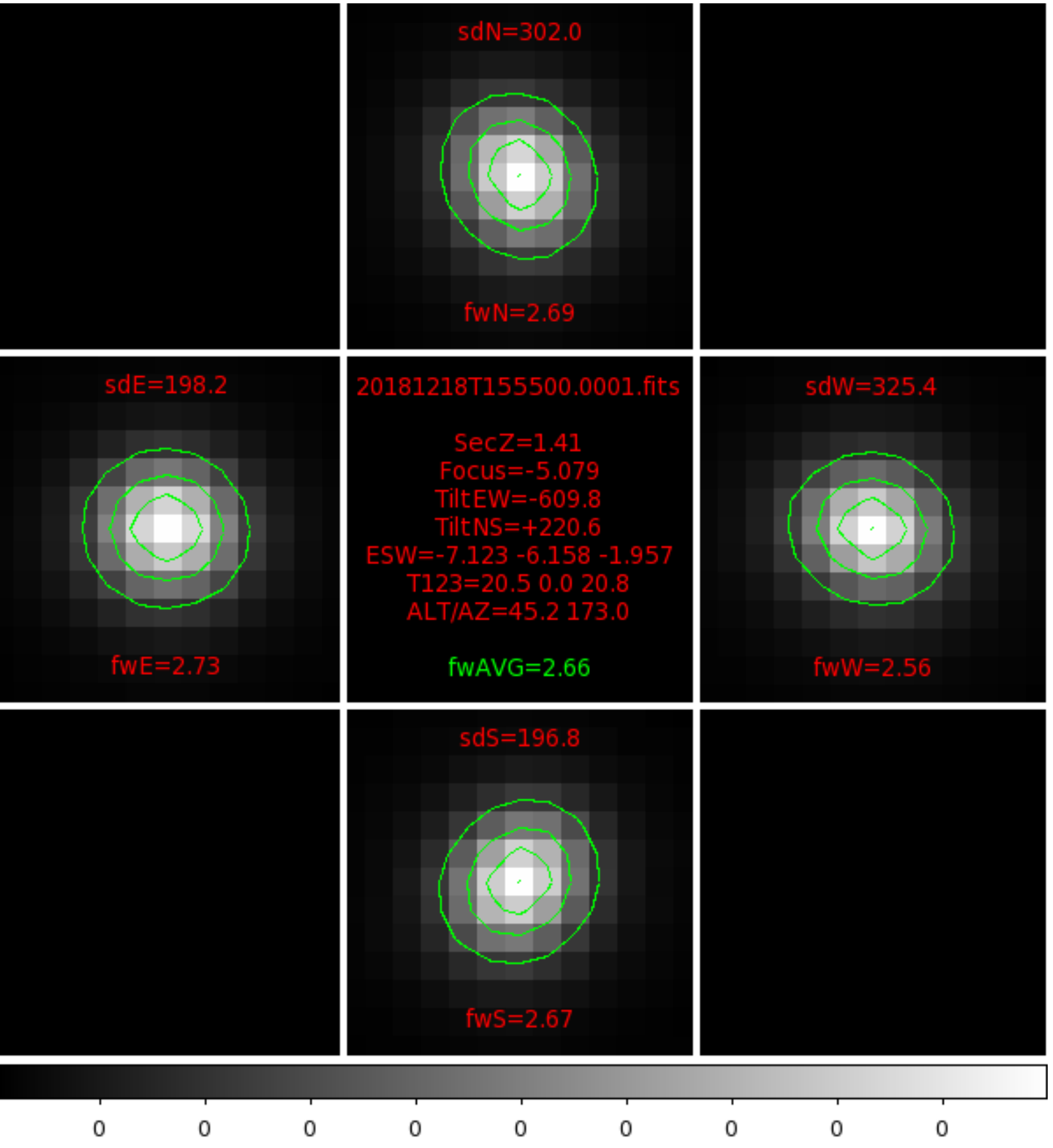
sdN=302.0
fwN=2.69
sdE=198.2
fwE=2.73
20181218T155500.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 0.0 20.8
ALT/AZ=45.2 173.0
fwAVG=2.66
sdW=325.4
fwW=2.56
sdS=196.8
fwS=2.67
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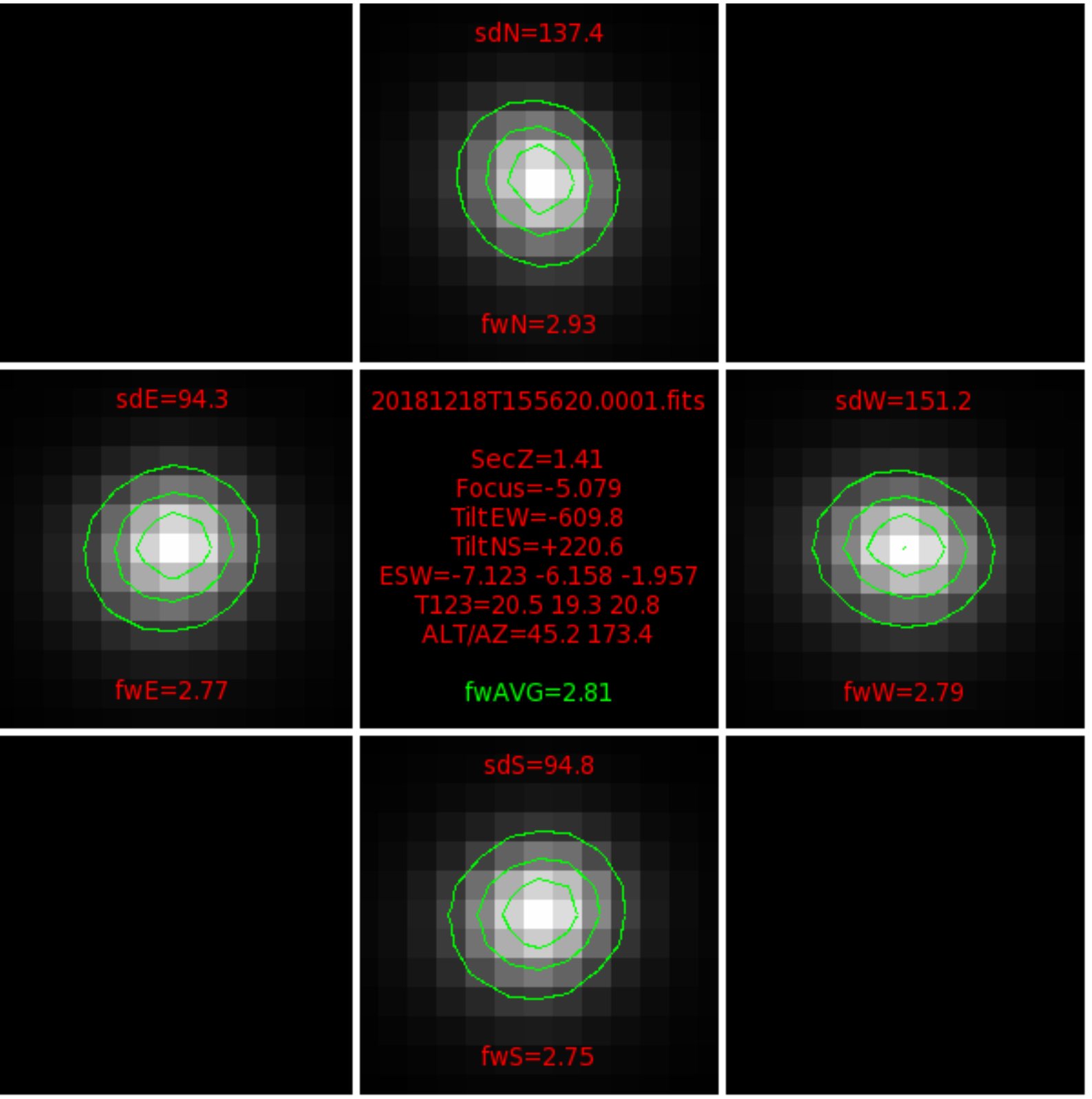
sdN=137.4
fwN=2.93
sdE=94.3
fwE=2.77
20181218T155620.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 19.3 20.8
ALT/AZ=45.2 173.4
fwAVG=2.81
sdW=151.2
fwW=2.79
sdS=94.8
fwS=2.75
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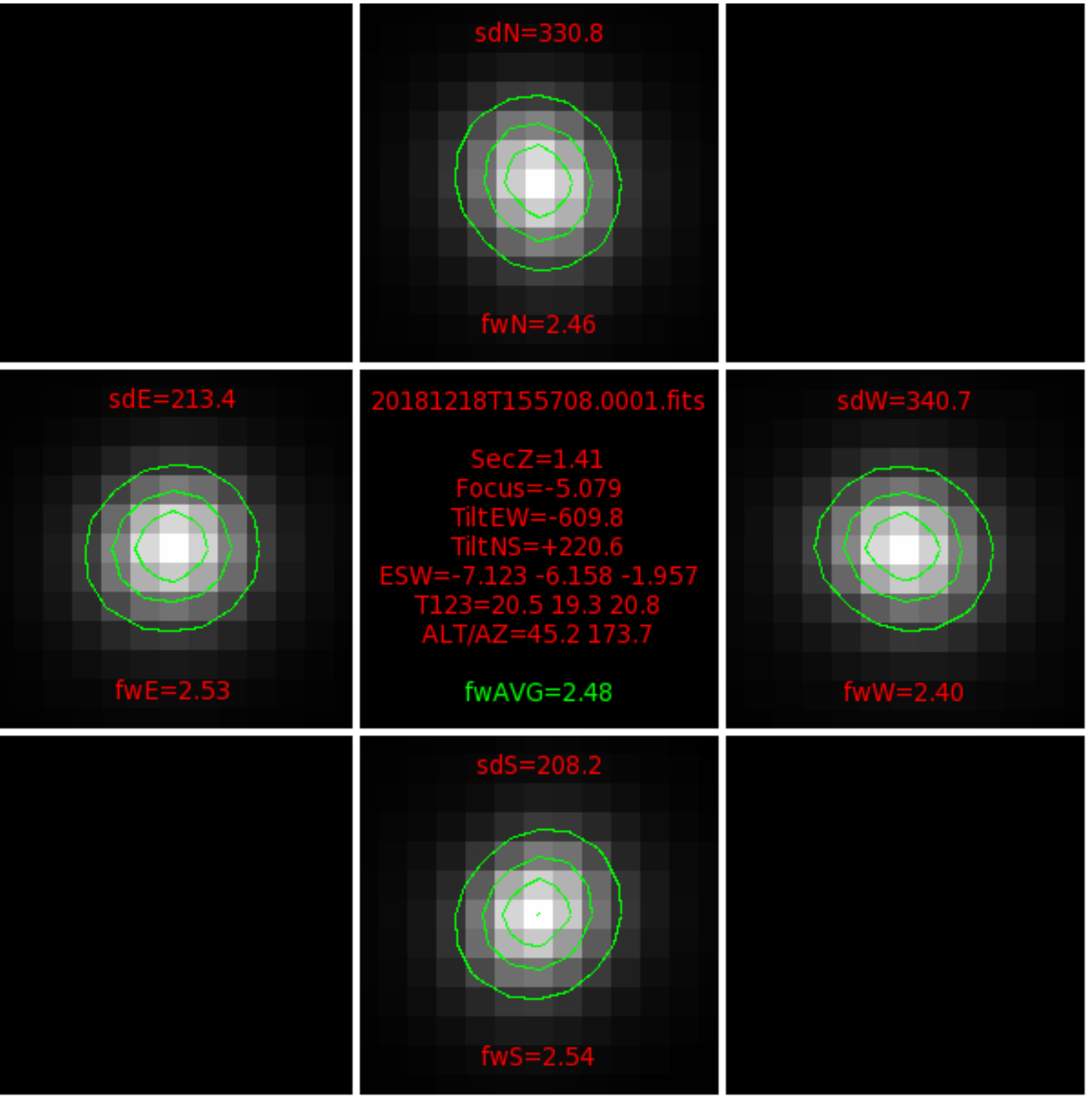
sdN=330.8
fwN=2.46
sdE=213.4
fwE=2.53
20181218T155708.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 19.3 20.8
ALT/AZ=45.2 173.7
fwAVG=2.48
sdW=340.7
fwW=2.40
sdS=208.2
fwS=2.54
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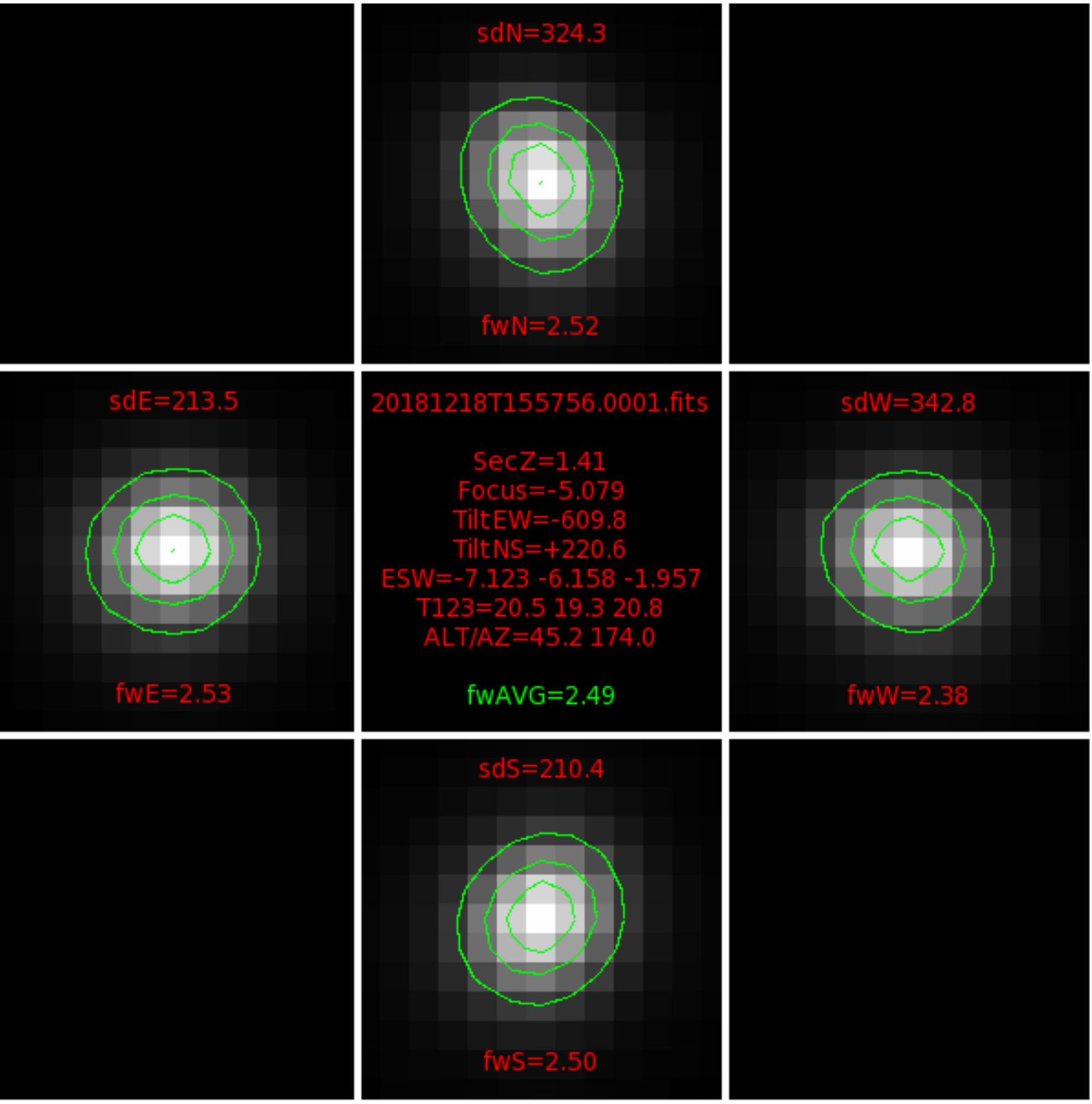
sdN=324.3
fwN=2.52
sdE=213.5
fwE=2.53
20181218T155756.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 19.3 20.8
ALT/AZ=45.2 174.0
fwAVG=2.49
sdW=342.8
fwW=2.38
sdS=210.4
fwS=2.50
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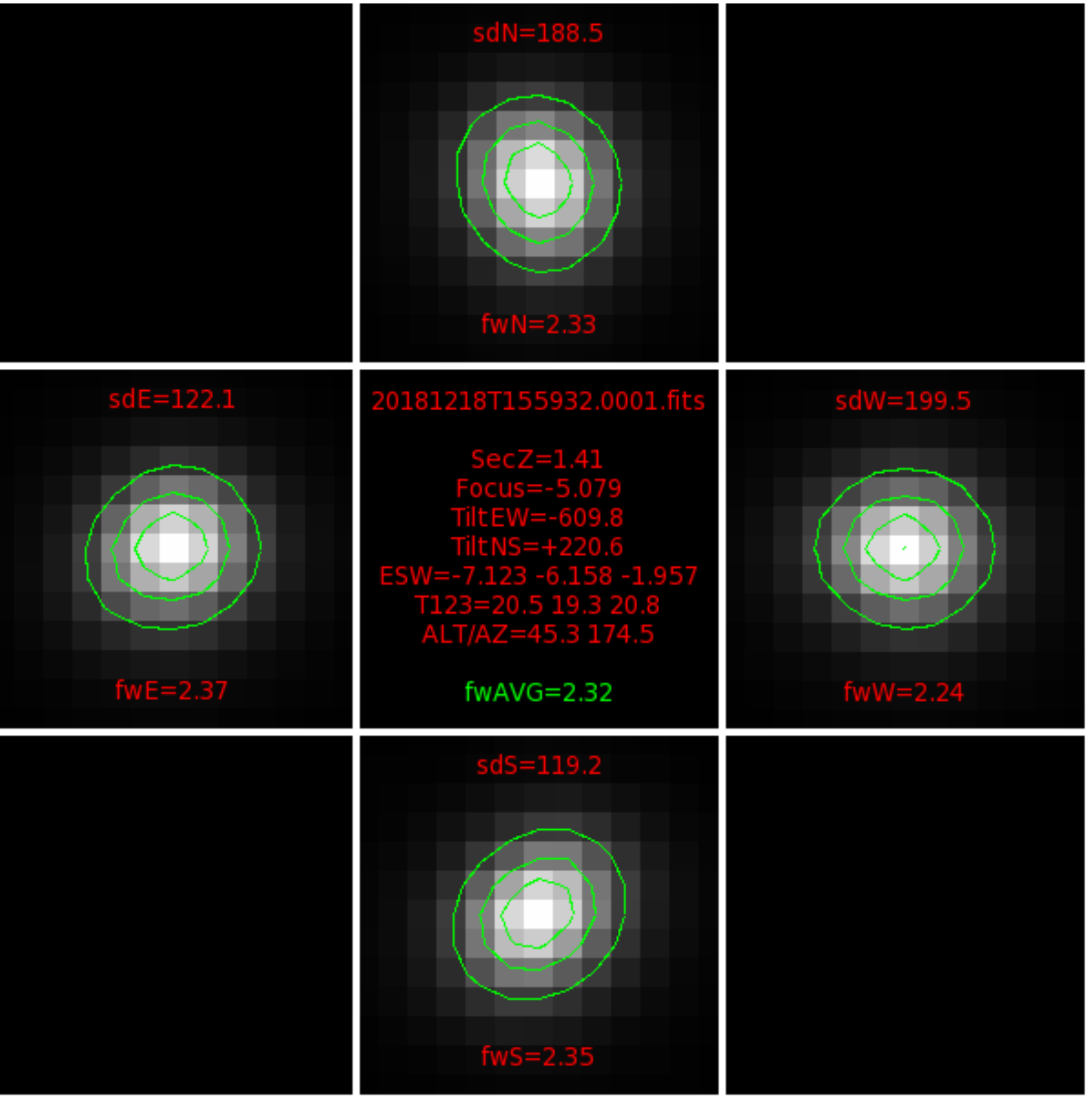
sdN=188.5
fwN=2.33
sdE=122.1
fwE=2.37
20181218T155932.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 19.3 20.8
ALT/AZ=45.3 174.5
fwAVG=2.32
sdW=199.5
fwW=2.24
sdS=119.2
fwS=2.35
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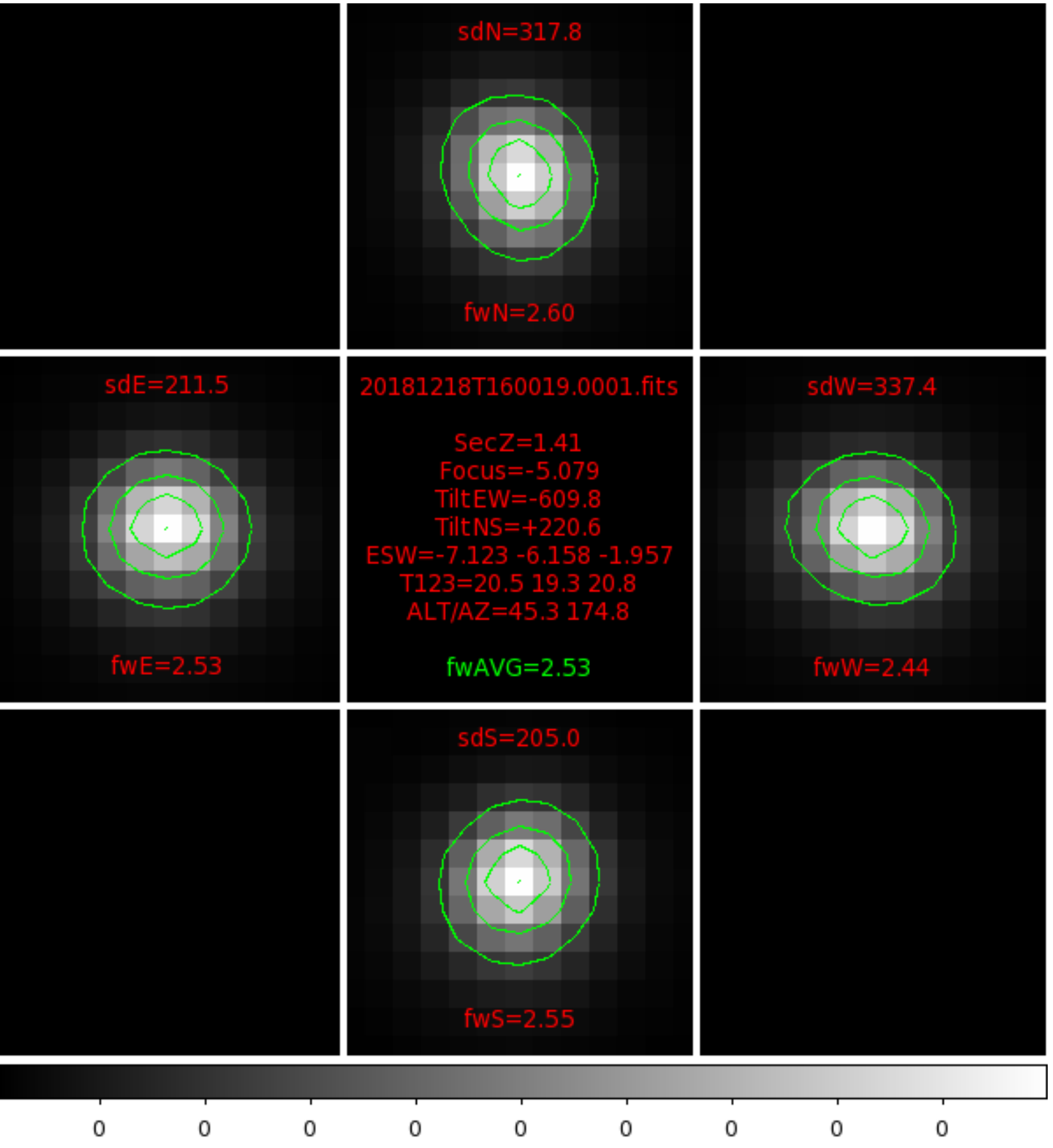
sdN=317.8
fwN=2.60
sdE=211.5
fwE=2.53
20181218T160019.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 19.3 20.8
ALT/AZ=45.3 174.8
fwAVG=2.53
sdW=337.4
fwW=2.44
sdS=205.0
fwS=2.55
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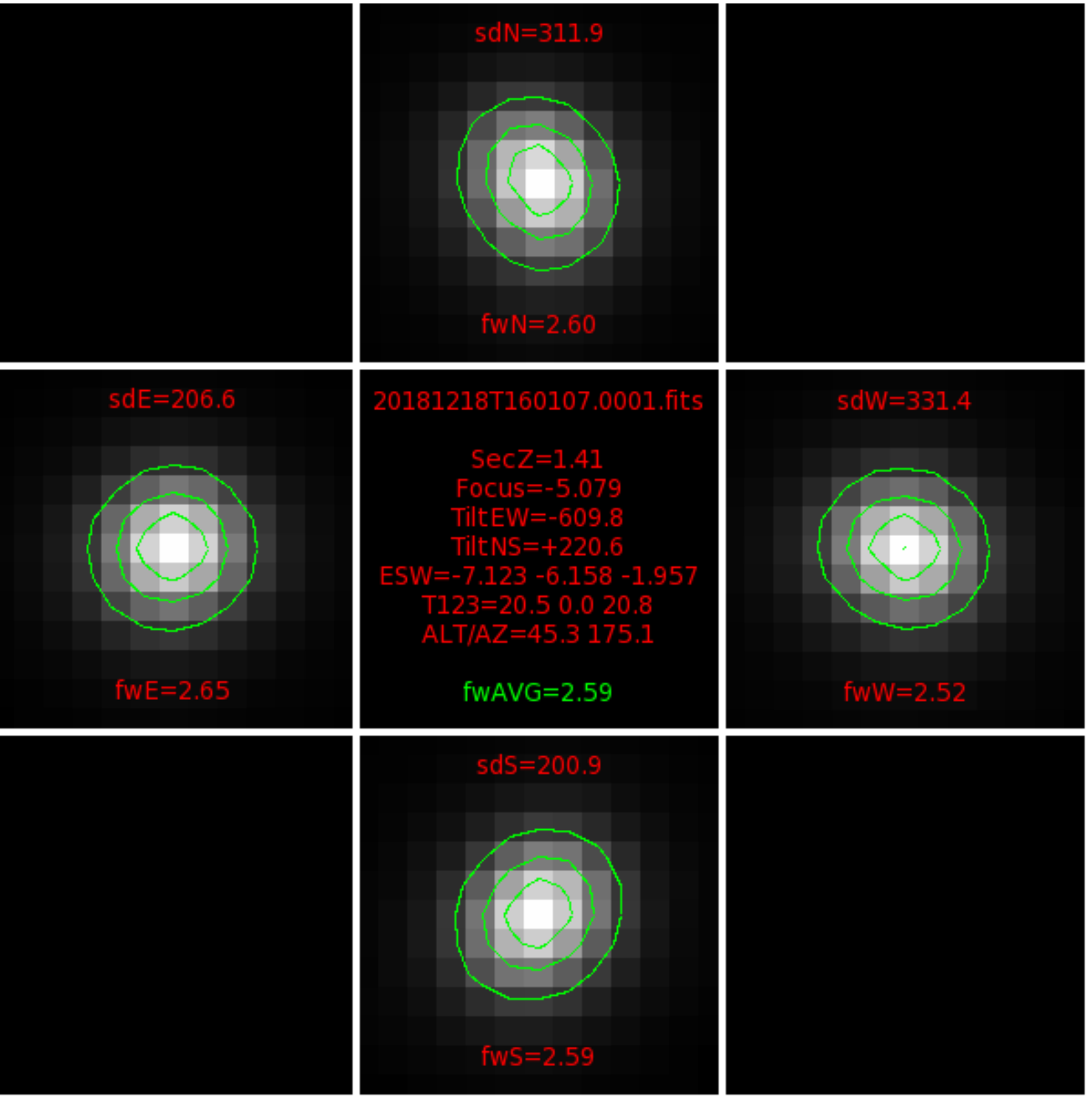
sdN=311.9
fwN=2.60
sdE=206.6
fwE=2.65
20181218T160107.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 0.0 20.8
ALT/AZ=45.3 175.1
fwAVG=2.59
sdW=331.4
fwW=2.52
sdS=200.9
fwS=2.59
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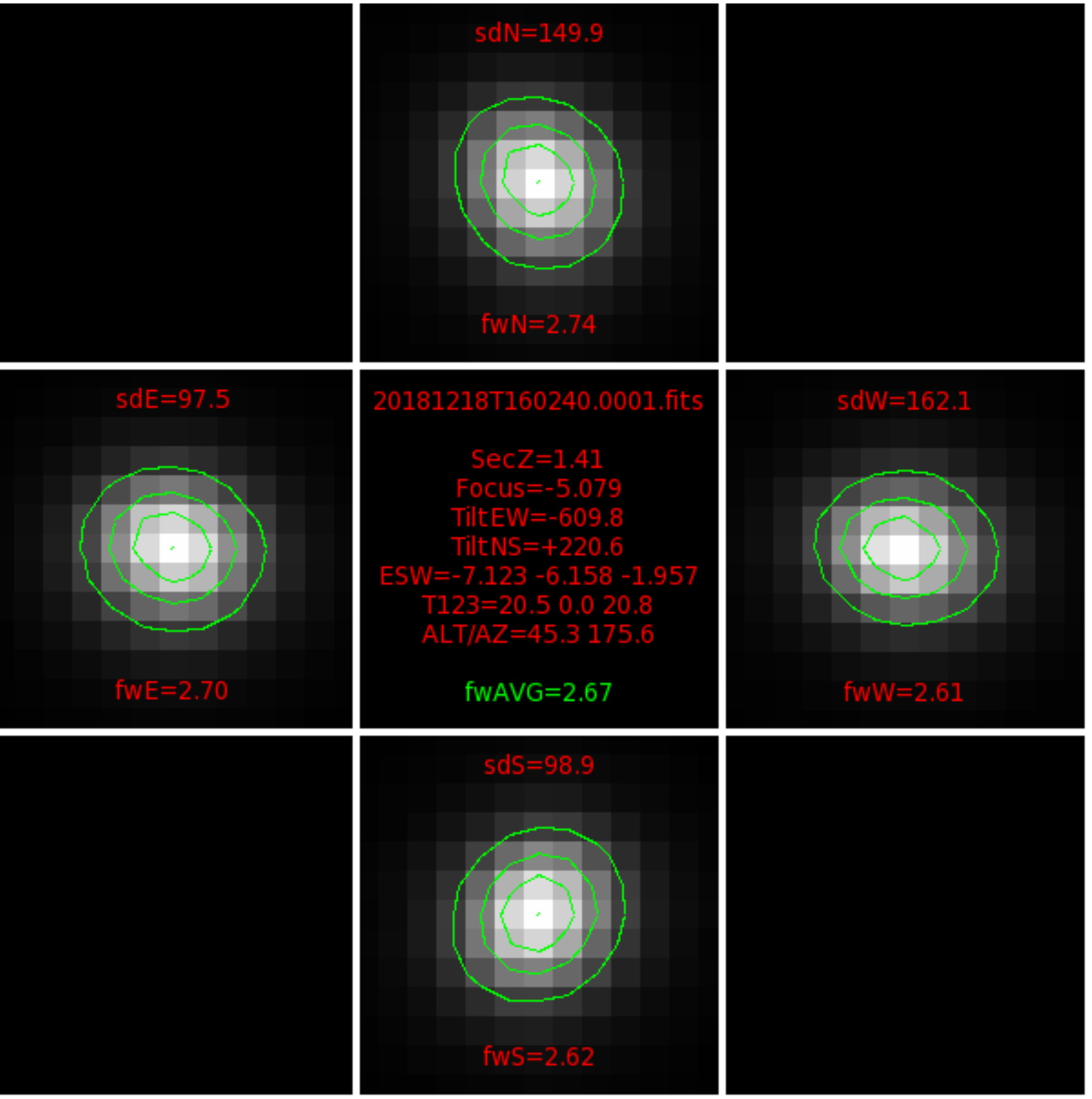
sdN=149.9
fwN=2.74
sdE=97.5
fwE=2.70
20181218T160240.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 0.0 20.8
ALT/AZ=45.3 175.6
fwAVG=2.67
sdW=162.1
fwW=2.61
sdS=98.9
fwS=2.62
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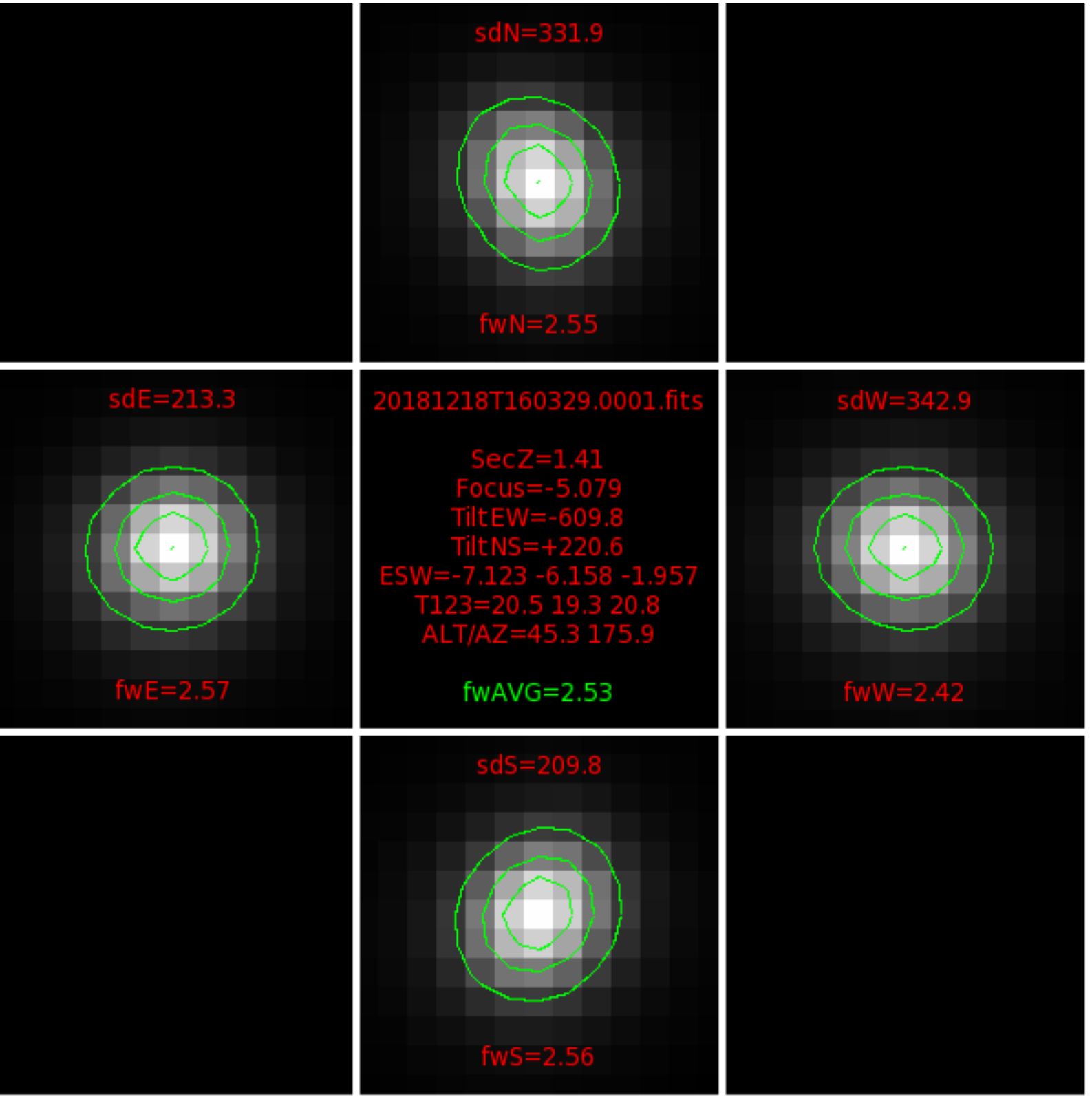
sdN=331.9
fwN=2.55
sdE=213.3
fwE=2.57
20181218T160329.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 19.3 20.8
ALT/AZ=45.3 175.9
fwAVG=2.53
sdW=342.9
fwW=2.42
sdS=209.8
fwS=2.56
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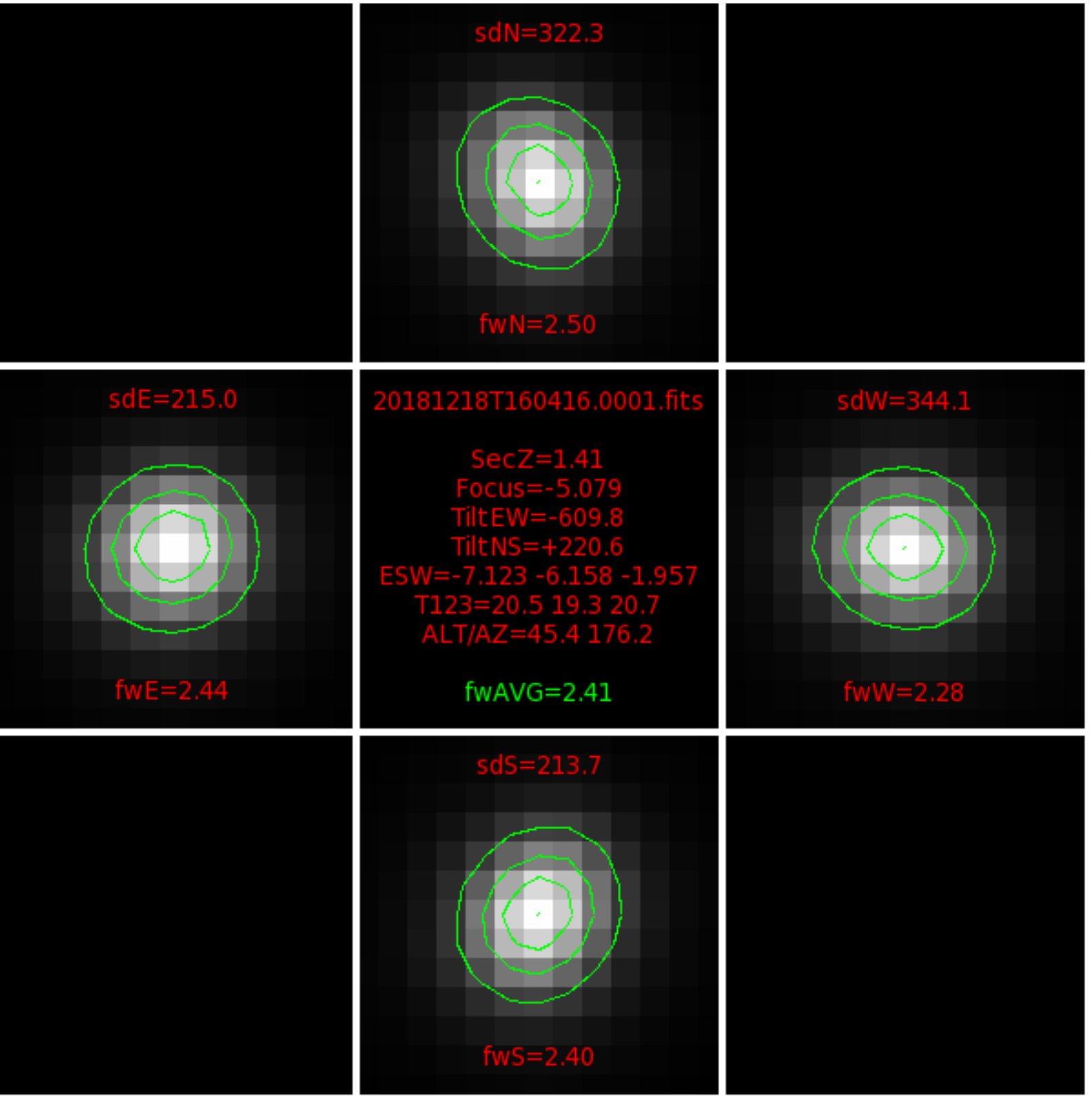
sdN=322.3
fwN=2.50
sdE=215.0
fwE=2.44
20181218T160416.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 19.3 20.7
ALT/AZ=45.4 176.2
fwAVG=2.41
sdW=344.1
fwW=2.28
sdS=213.7
fwS=2.40
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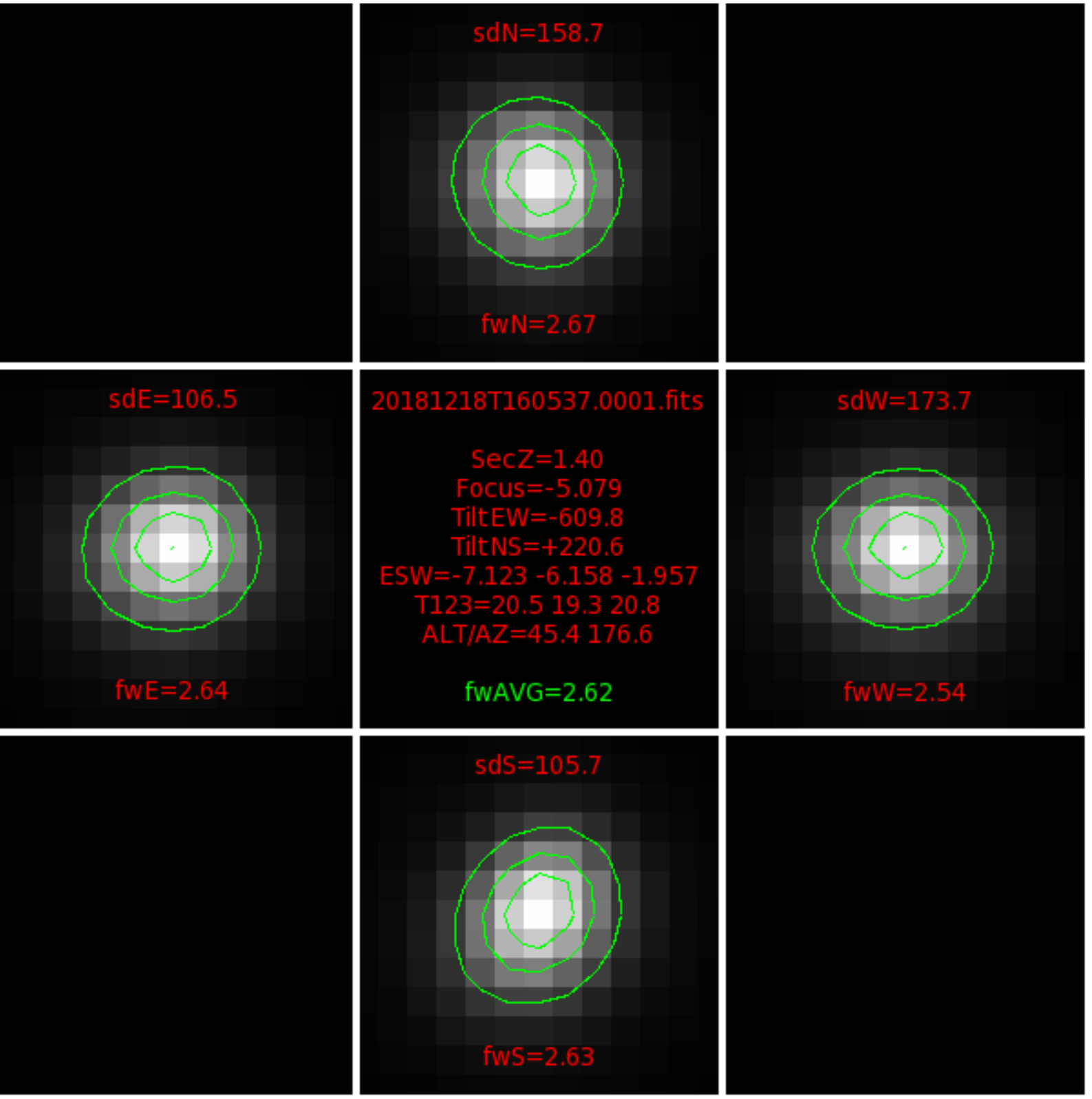
sdN=158.7
fwN=2.67
sdE=106.5
fwE=2.64
20181218T160537.0001.fits
SecZ=1.40
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.5 19.3 20.8
ALT/AZ=45.4 176.6
fwAVG=2.62
sdW=173.7
fwW=2.54
sdS=105.7
fwS=2.63
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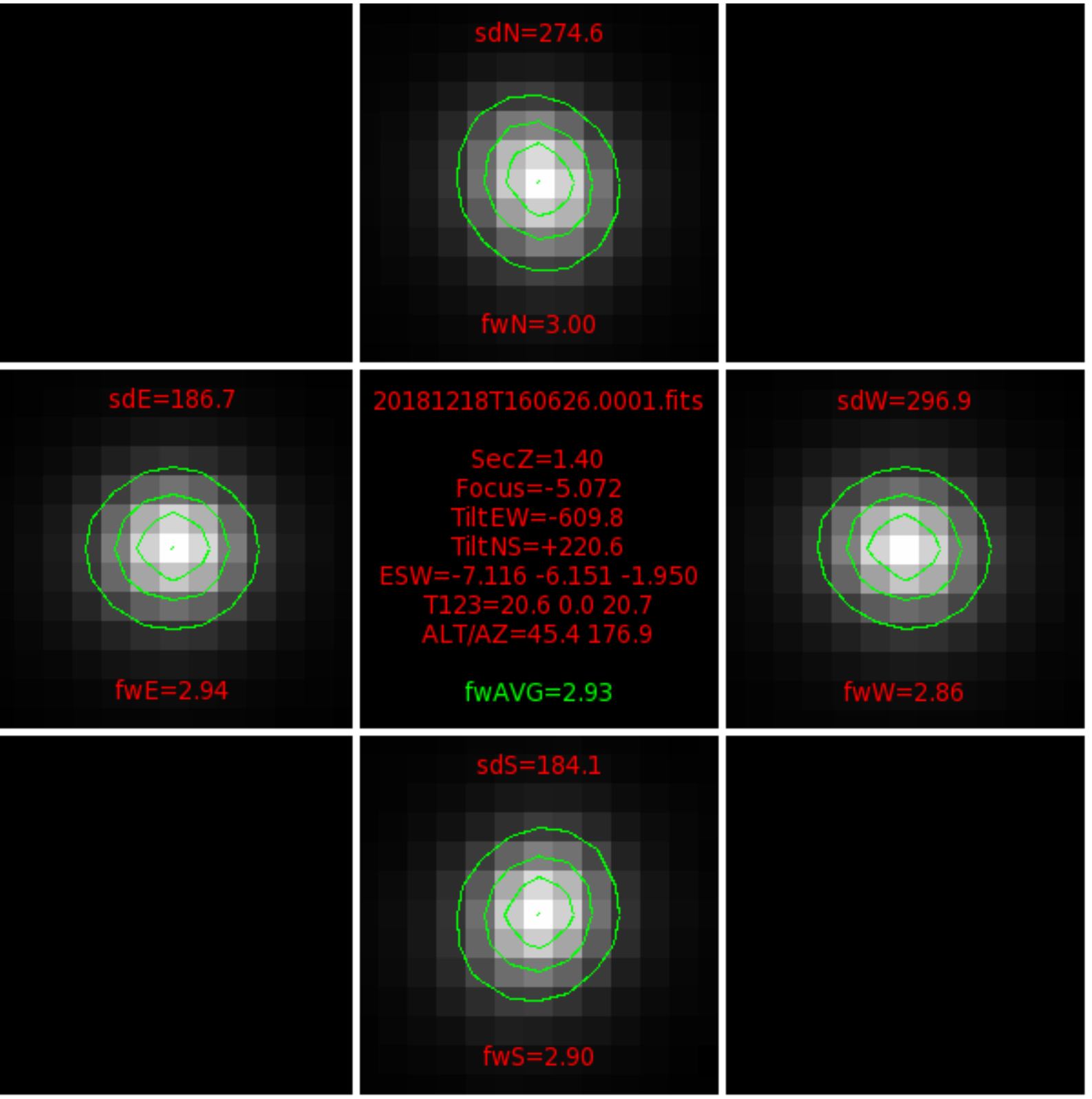
sdN=274.6
fwN=3.00
sdE=186.7
fwE=2.94
20181218T160626.0001.fits
SecZ=1.40
Focus=-5.072
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.116 -6.151 -1.950
T123=20.6 0.0 20.7
ALT/AZ=45.4 176.9
fwAVG=2.93
sdW=296.9
fwW=2.86
sdS=184.1
fwS=2.90
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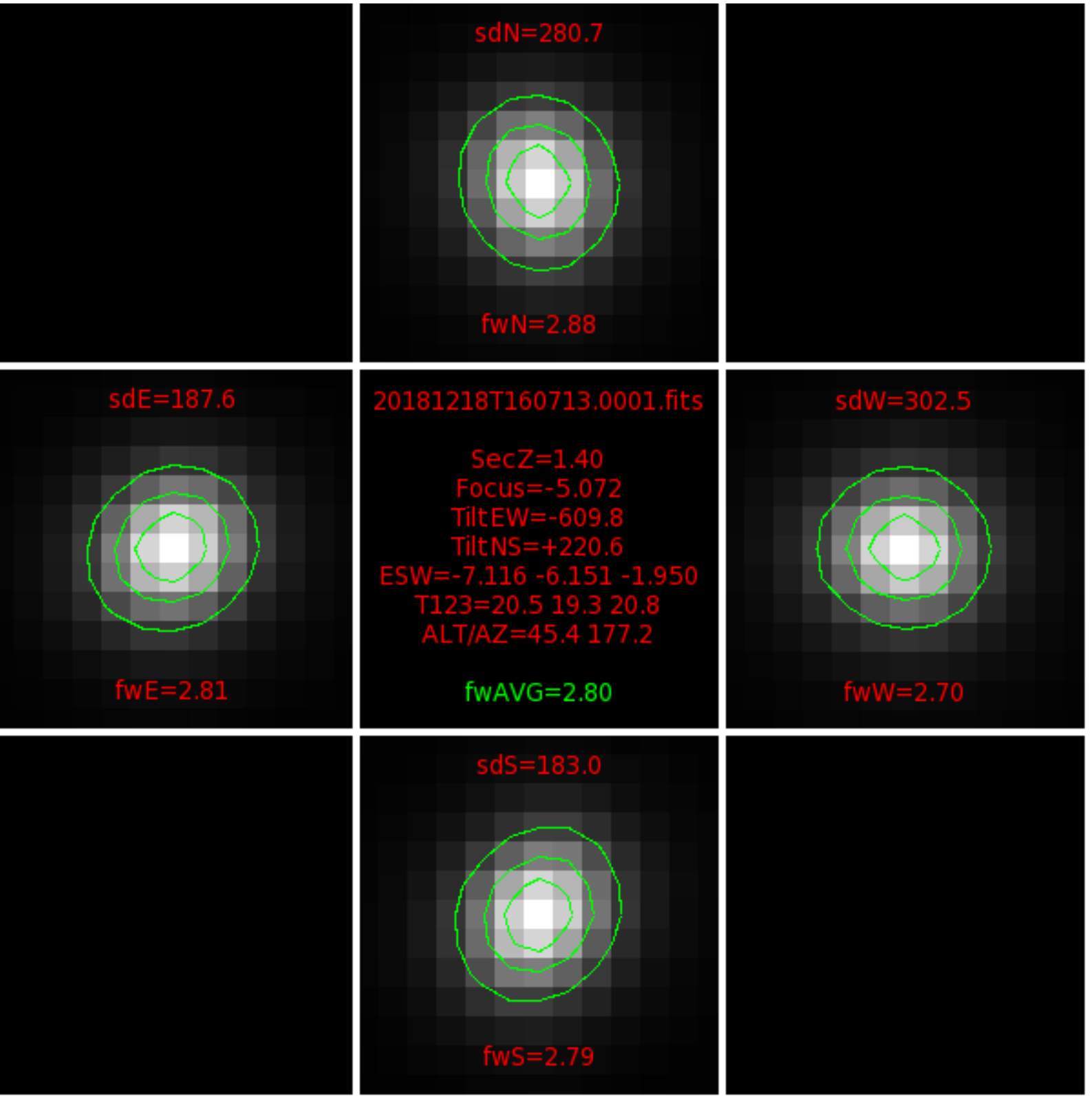
sdN=280.7
fwN=2.88
sdE=187.6
fwE=2.81
20181218T160713.0001.fits
SecZ=1.40
Focus=-5.072
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.116 -6.151 -1.950
T123=20.5 19.3 20.8
ALT/AZ=45.4 177.2
fwAVG=2.80
sdW=302.5
fwW=2.70
sdS=183.0
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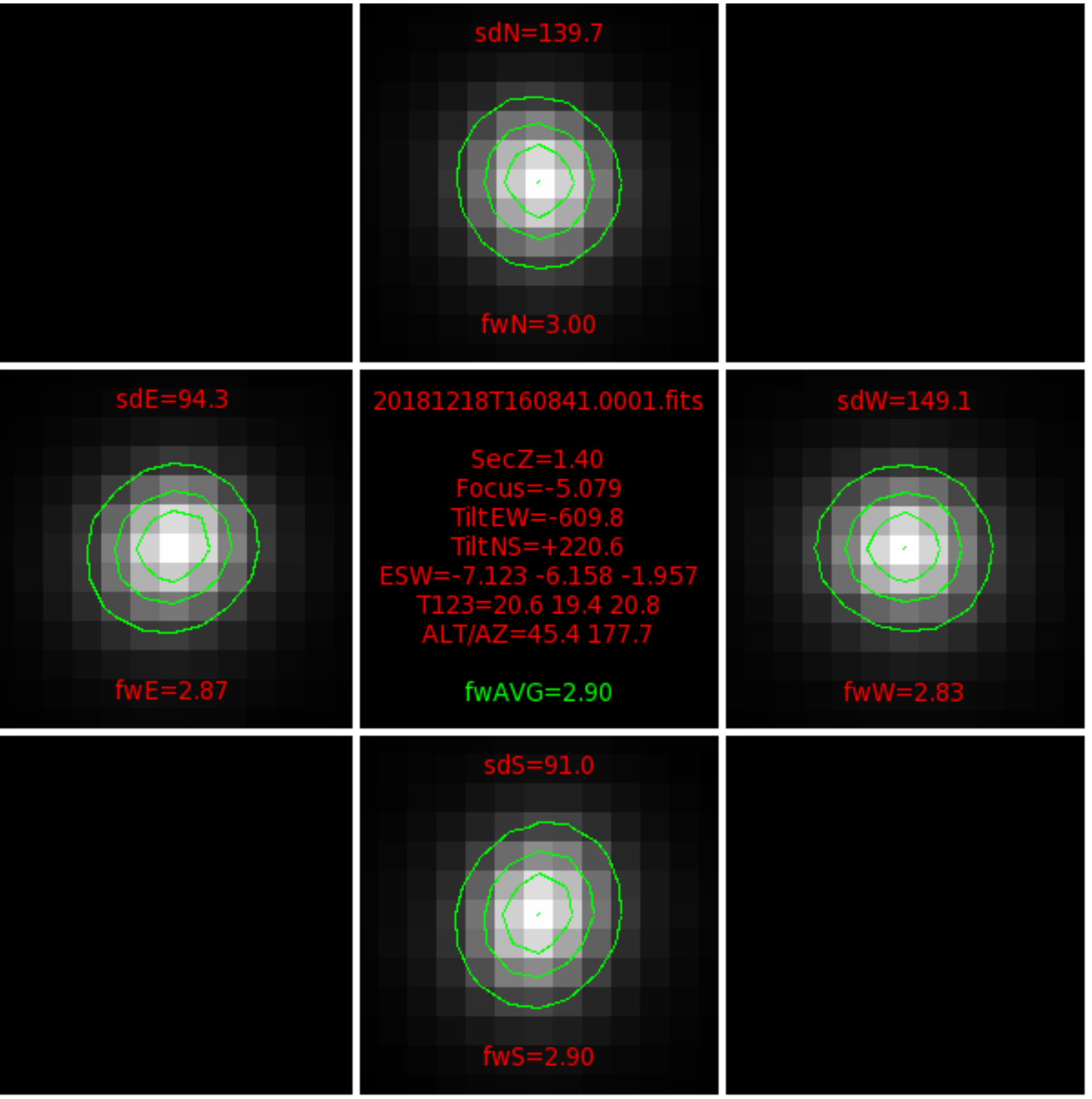
sdN=139.7
fwN=3.00
sdE=94.3
fwE=2.87
20181218T160841.0001.fits
SecZ=1.40
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.6 19.4 20.8
ALT/AZ=45.4 177.7
fwAVG=2.90
sdW=149.1
fwW=2.83
sdS=91.0
fwS=2.90
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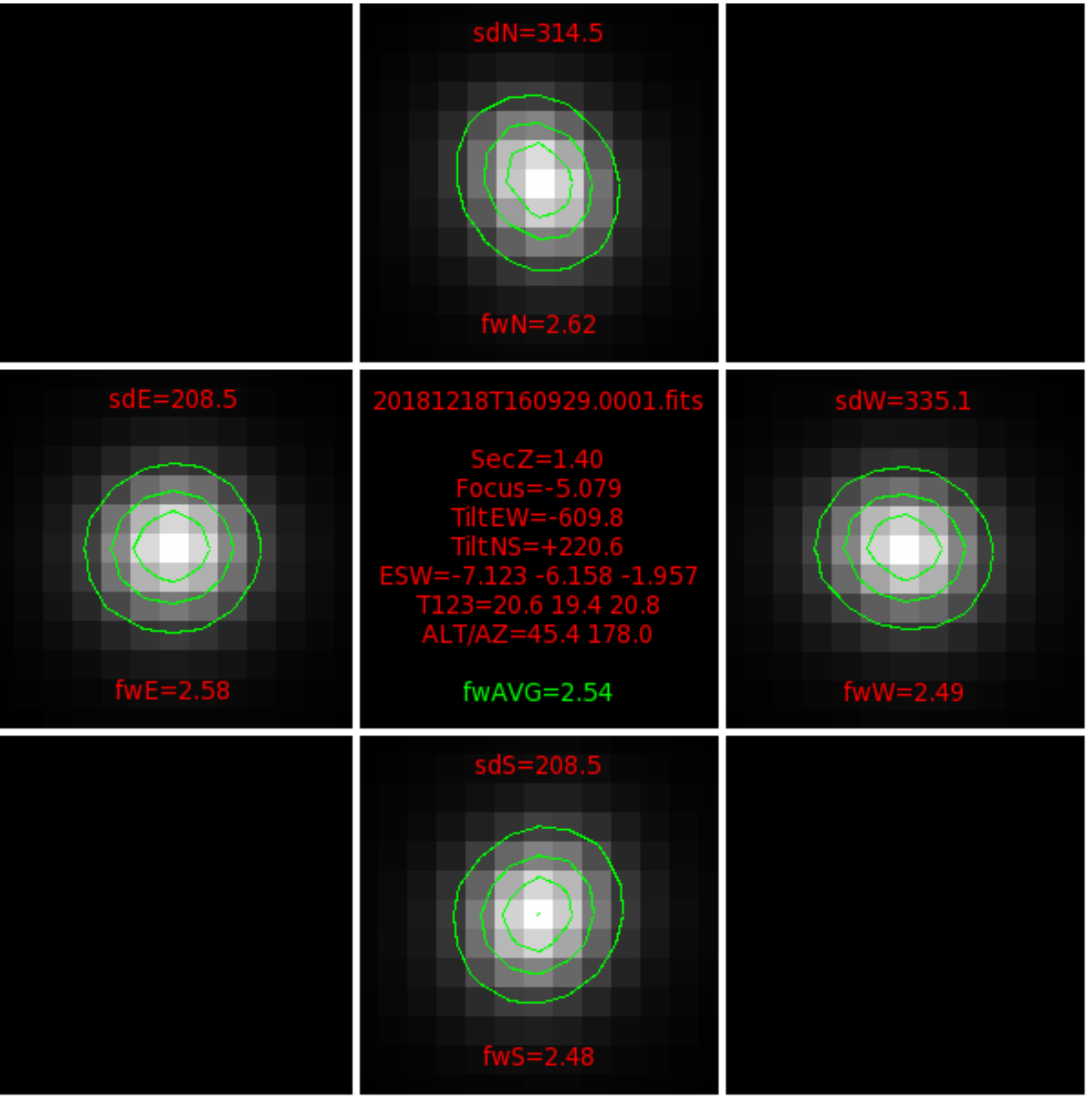
sdN=314.5
fwN=2.62
sdE=208.5
fwE=2.58
20181218T160929.0001.fits
SecZ=1.40
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.6 19.4 20.8
ALT/AZ=45.4 178.0
fwAVG=2.54
sdW=335.1
fwW=2.49
sdS=208.5
fwS=2.48
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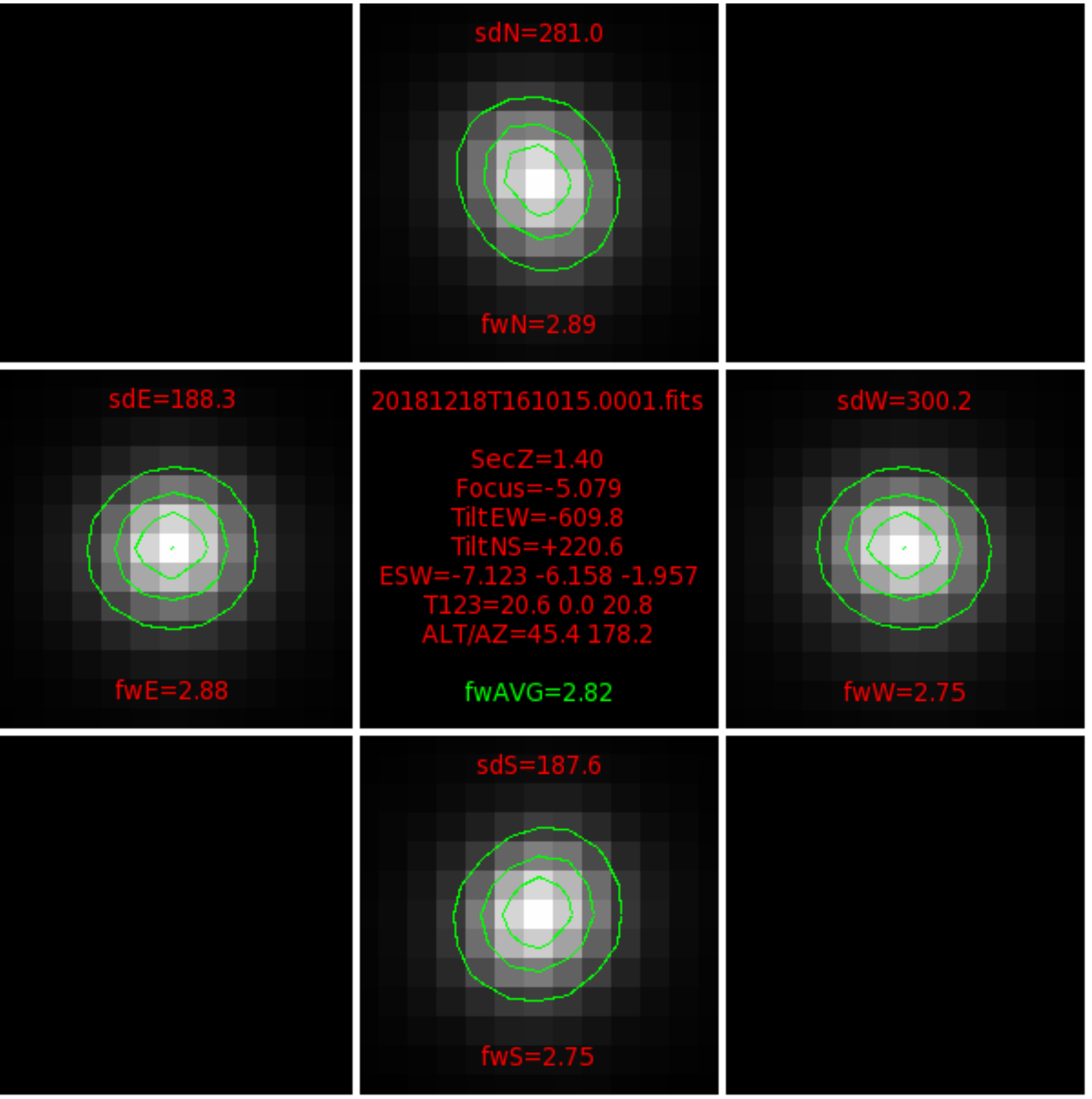
sdN=281.0
fwN=2.89
sdE=188.3
fwE=2.88
20181218T161015.0001.fits
SecZ=1.40
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.6 0.0 20.8
ALT/AZ=45.4 178.2
fwAVG=2.82
sdW=300.2
fwW=2.75
sdS=187.6
fwS=2.75
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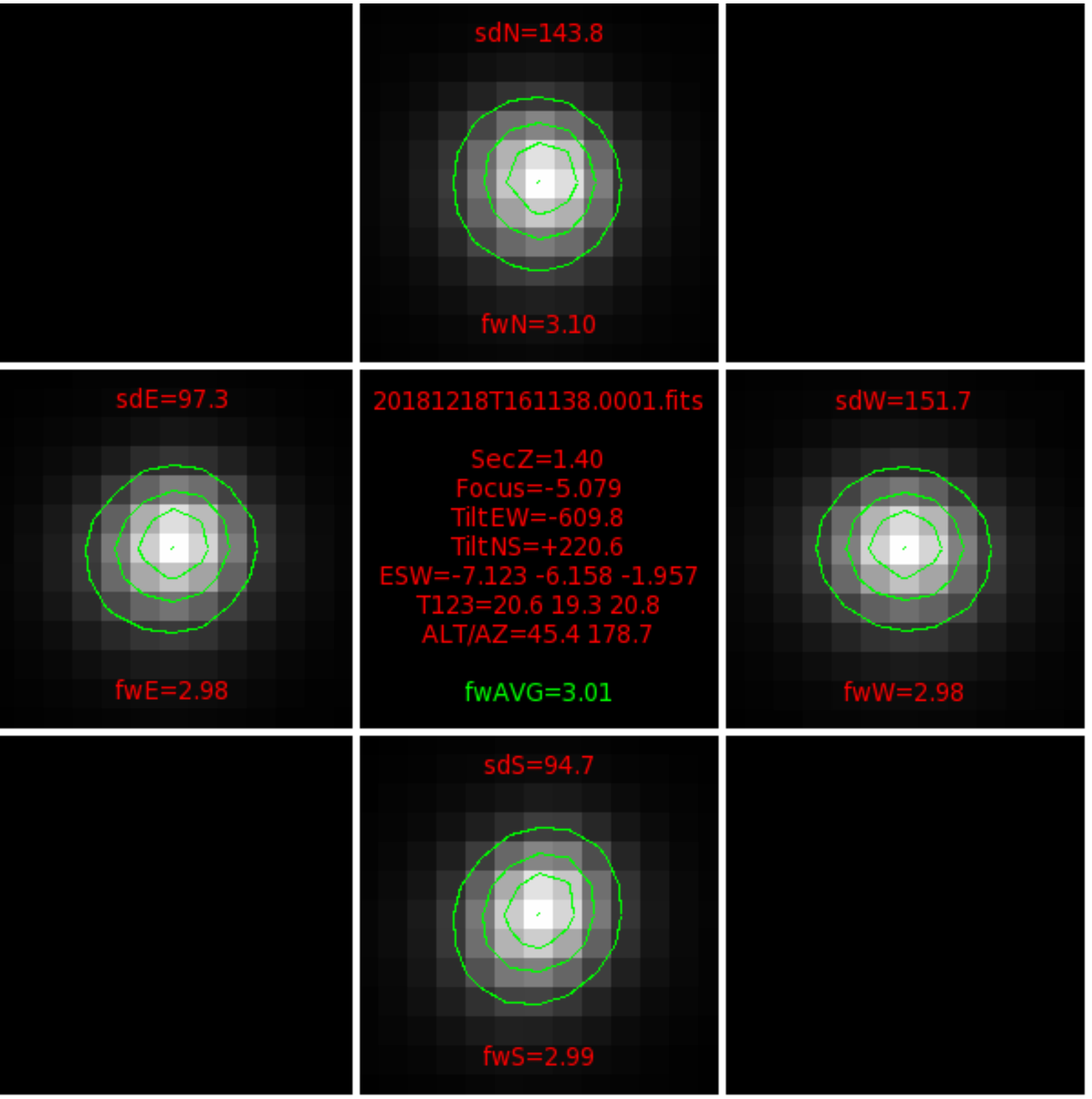
sdN=143.8
fwN=3.10
sdE=97.3
fwE=2.98
20181218T161138.0001.fits
SecZ=1.40
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.6 19.3 20.8
ALT/AZ=45.4 178.7
fwAVG=3.01
sdW=151.7
fwW=2.98
sdS=94.7
fwS=2.99
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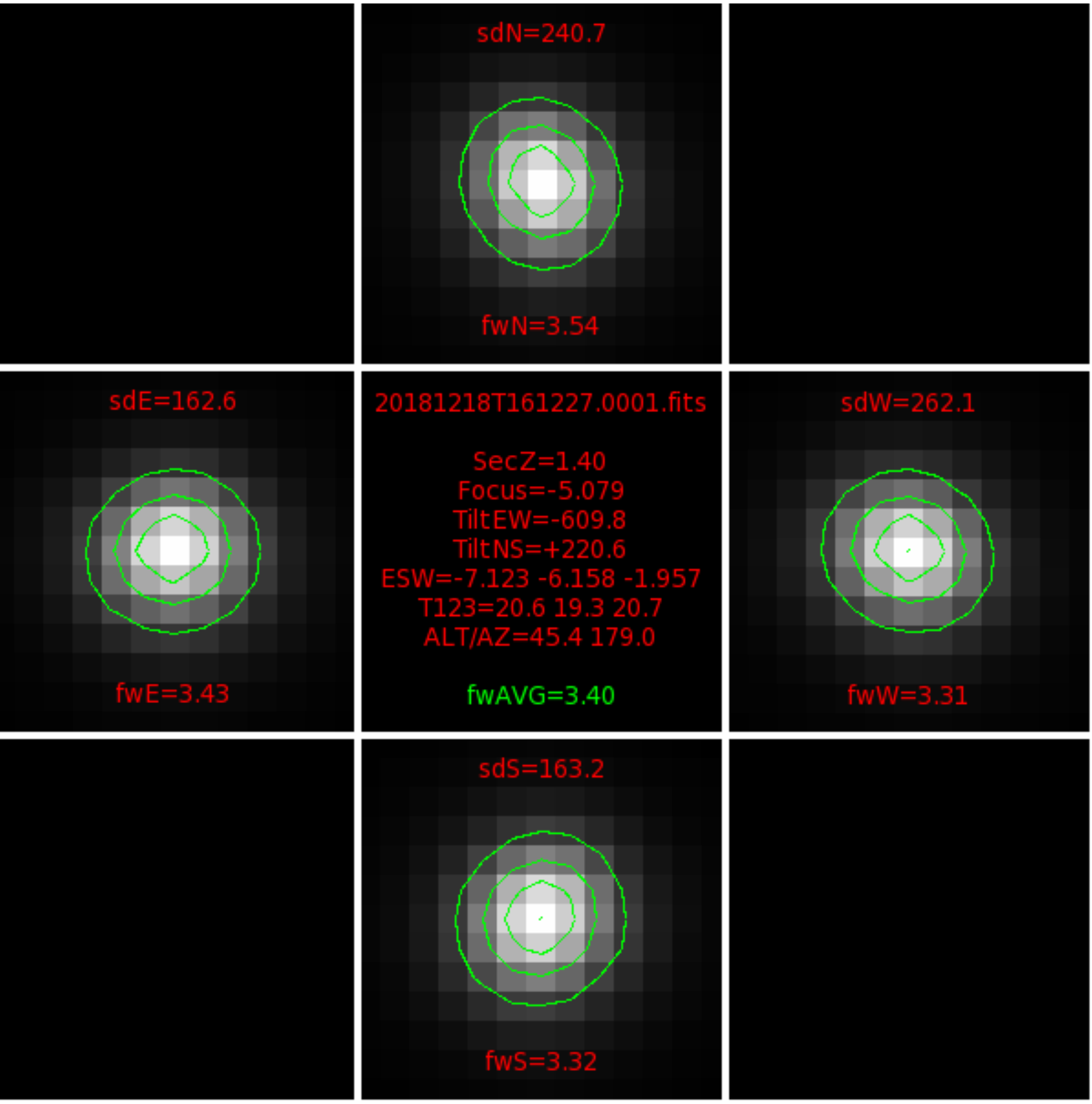
sdN=240.7
fwN=3.54
sdE=162.6
fwE=3.43
20181218T161227.0001.fits
SecZ=1.40
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.6 19.3 20.7
ALT/AZ=45.4 179.0
fwAVG=3.40
sdW=262.1
fwW=3.31
sdS=163.2
fwS=3.32
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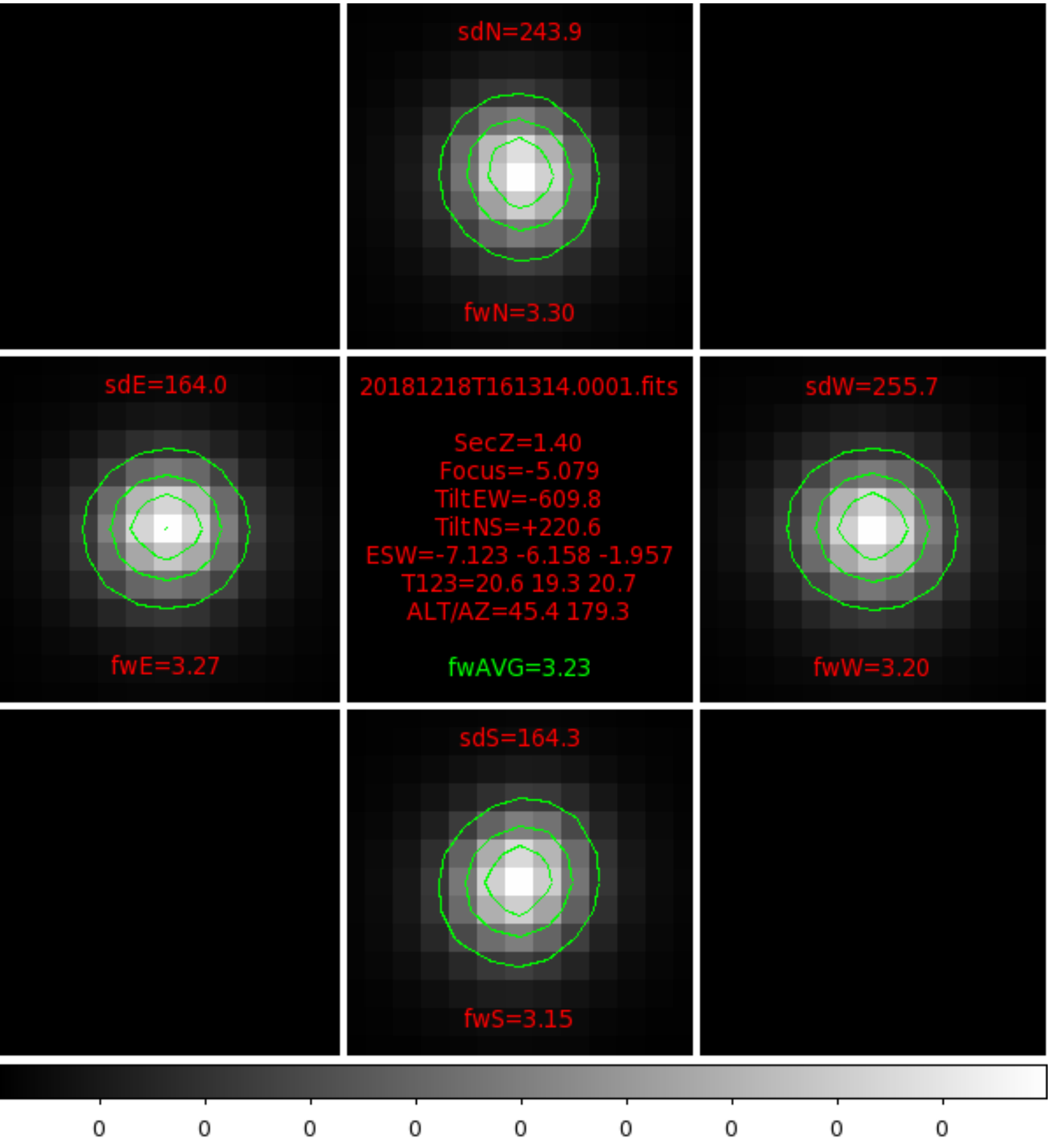
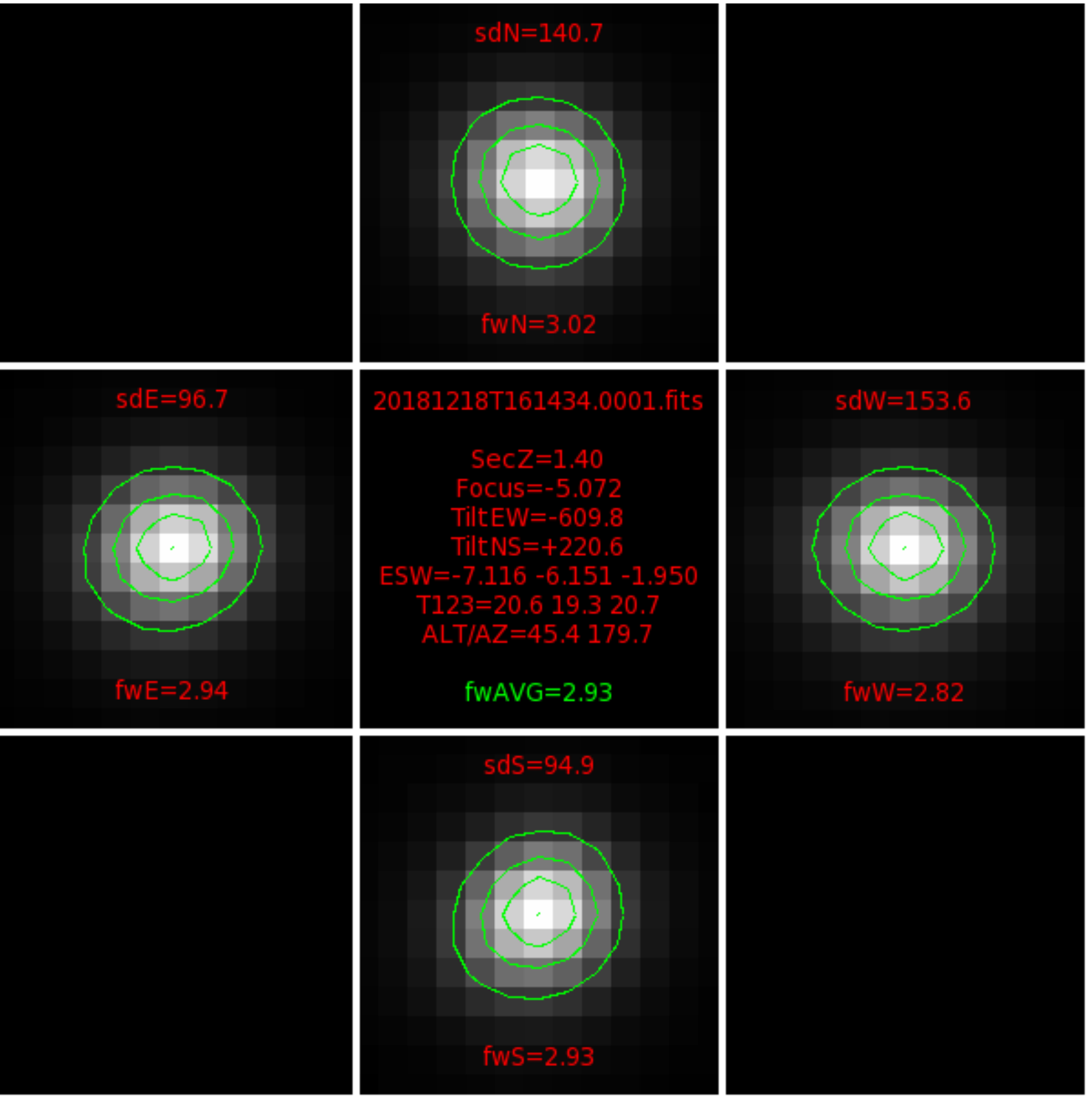

sdN=243.9
fwN=3.30
sdE=164.0
fwE=3.27
20181218T161314.0001.fits
SecZ=1.40
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.6 19.3 20.7
ALT/AZ=45.4 179.3
fwAVG=3.23
sdW=255.7
fwW=3.20
sdS=164.3
fwS=3.15
0 0 0 0 0 0 0 0 0


sdN=140.7
fwN=3.02
sdE=96.7
fwE=2.94
20181218T161434.0001.fits
SecZ=1.40
Focus=-5.072
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.116 -6.151 -1.950
T123=20.6 19.3 20.7
ALT/AZ=45.4 179.7
fwAVG=2.93
sdW=153.6
fwW=2.82
sdS=94.9
fwS=2.93
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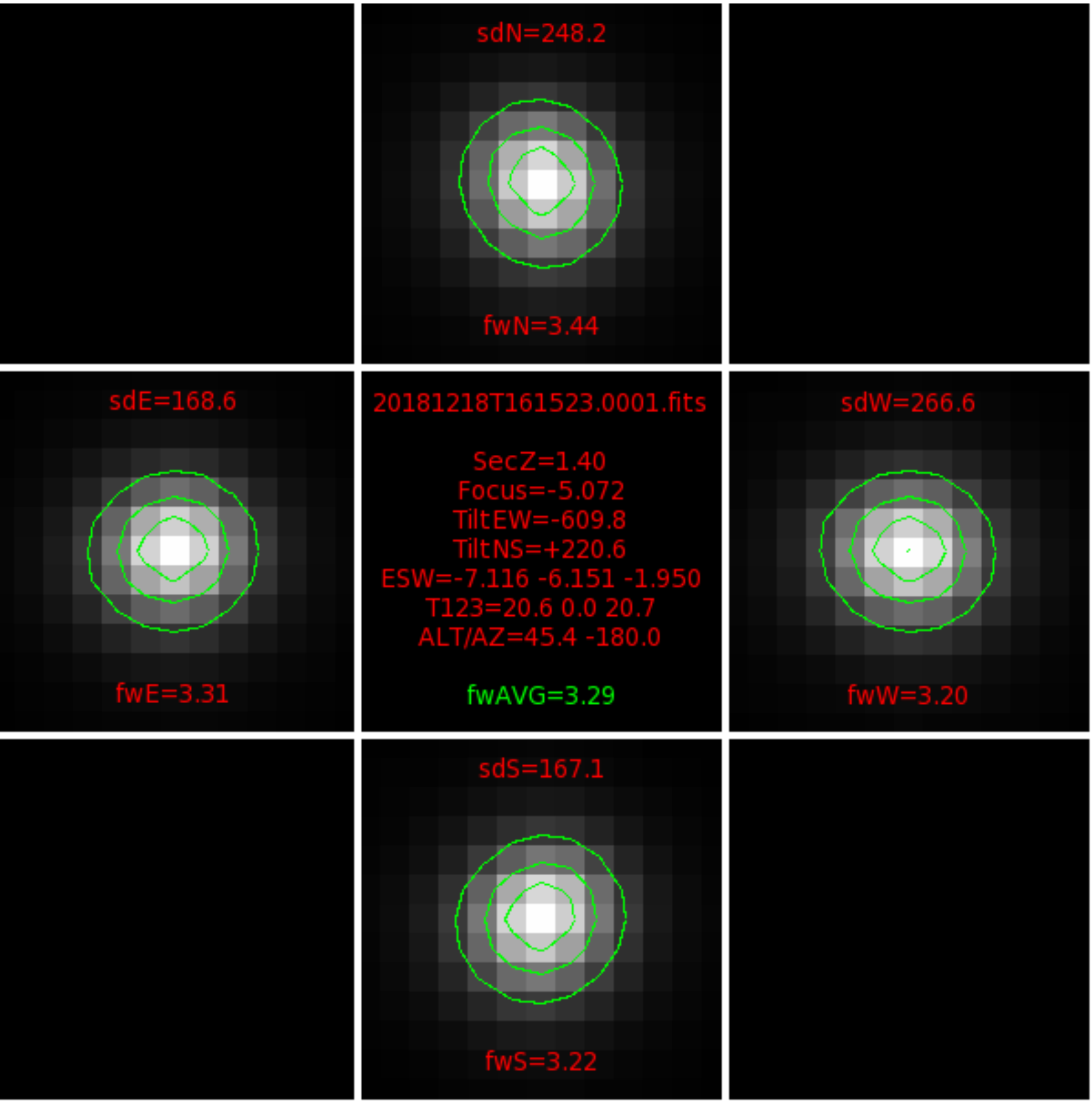
sdN=248.2
fwN=3.44
sdE=168.6
fwE=3.31
20181218T161523.0001.fits
SecZ=1.40
Focus=-5.072
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.116 -6.151 -1.950
T123=20.6 0.0 20.7
ALT/AZ=45.4 -180.0
fwAVG=3.29
sdW=266.6
fwW=3.20
sdS=167.1
fwS=3.22
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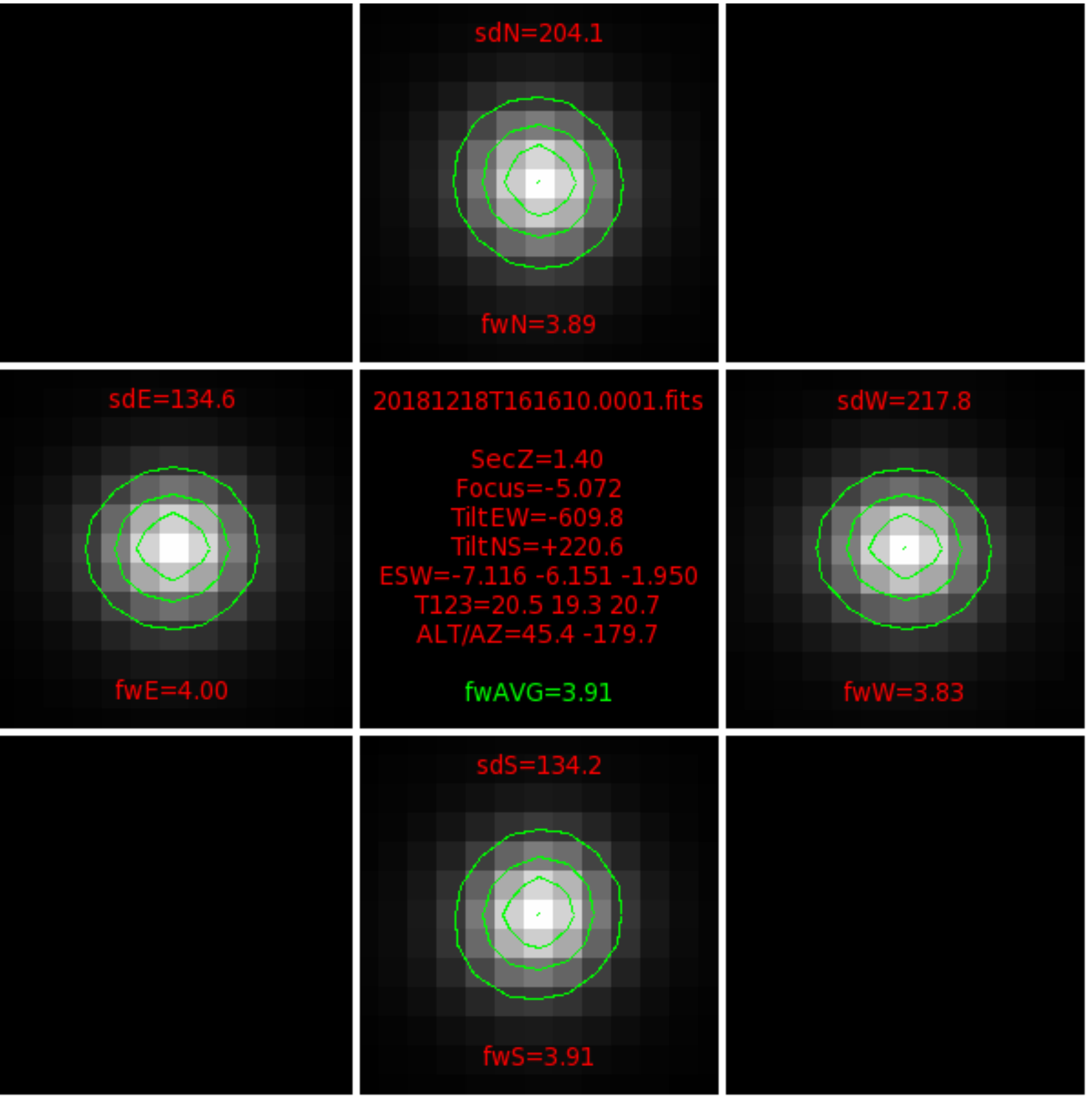
sdN=204.1
fwN=3.89
sdE=134.6
fwE=4.00
20181218T161610.0001.fits
SecZ=1.40
Focus=-5.072
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.116 -6.151 -1.950
T123=20.5 19.3 20.7
ALT/AZ=45.4 -179.7
fwAVG=3.91
sdW=217.8
fwW=3.83
sdS=134.2
fwS=3.91
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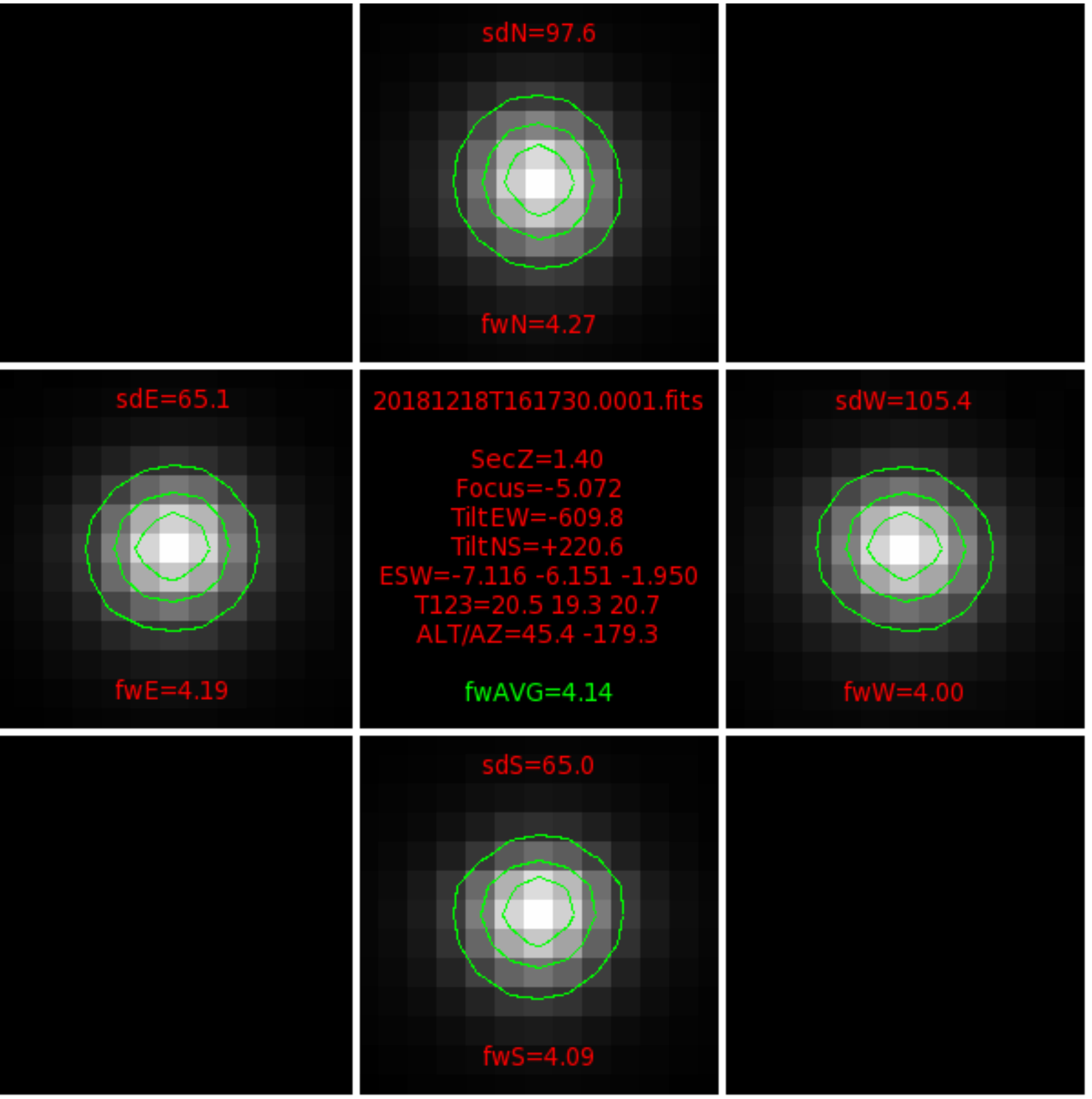
sdN=97.6
fwN=4.27
sdE=65.1
fwE=4.19
20181218T161730.0001.fits
SecZ=1.40
Focus=-5.072
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.116 -6.151 -1.950
T123=20.5 19.3 20.7
ALT/AZ=45.4 -179.3
fwAVG=4.14
sdW=105.4
fwW=4.00
sdS=65.0
fwS=4.09
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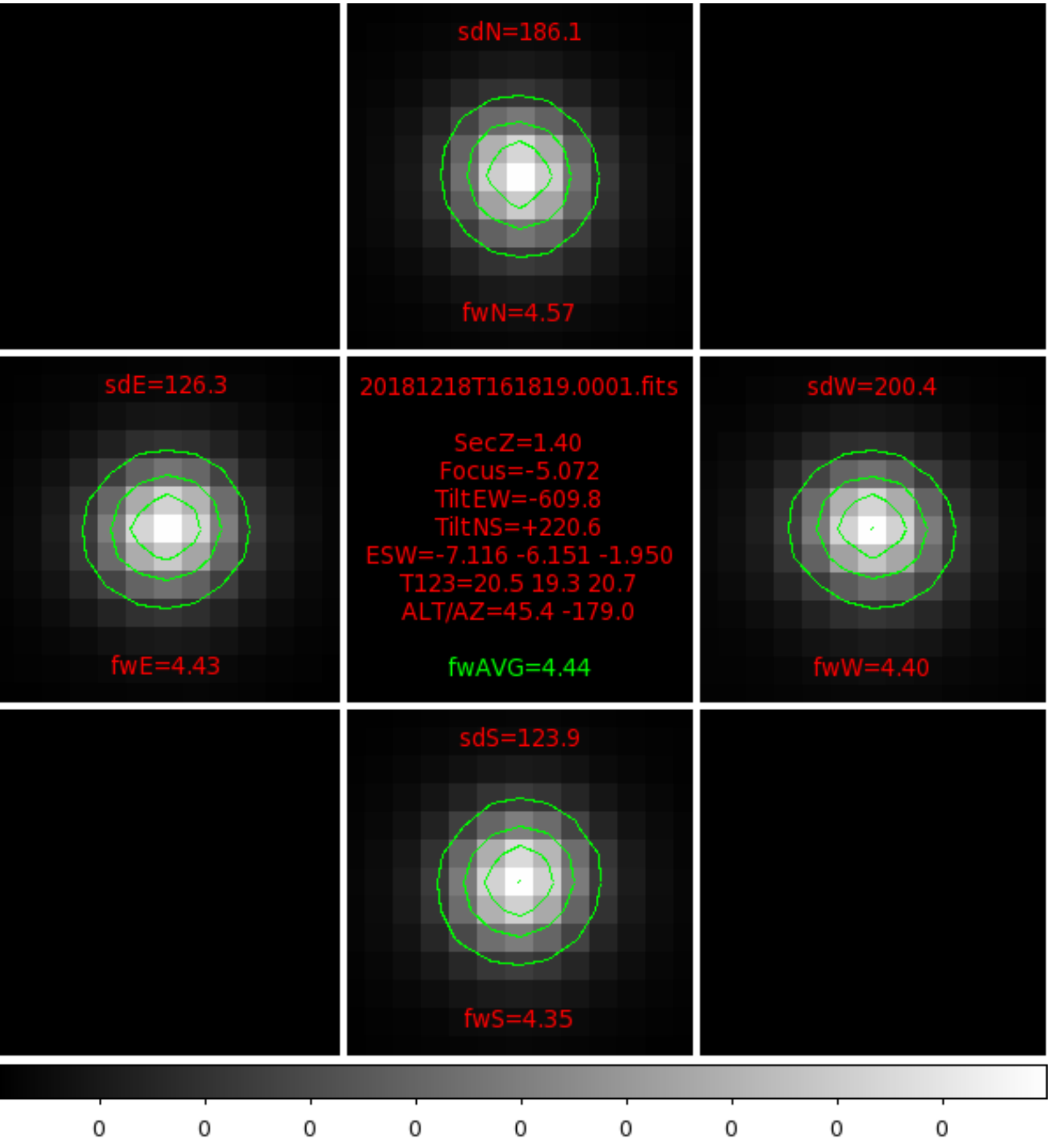
sdN=186.1
fwN=4.57
sdE=126.3
fwE=4.43
20181218T161819.0001.fits
SecZ=1.40
Focus=-5.072
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.116 -6.151 -1.950
T123=20.5 19.3 20.7
ALT/AZ=45.4 -179.0
fwAVG=4.44
sdW=200.4
fwW=4.40
sdS=123.9
fwS=4.35
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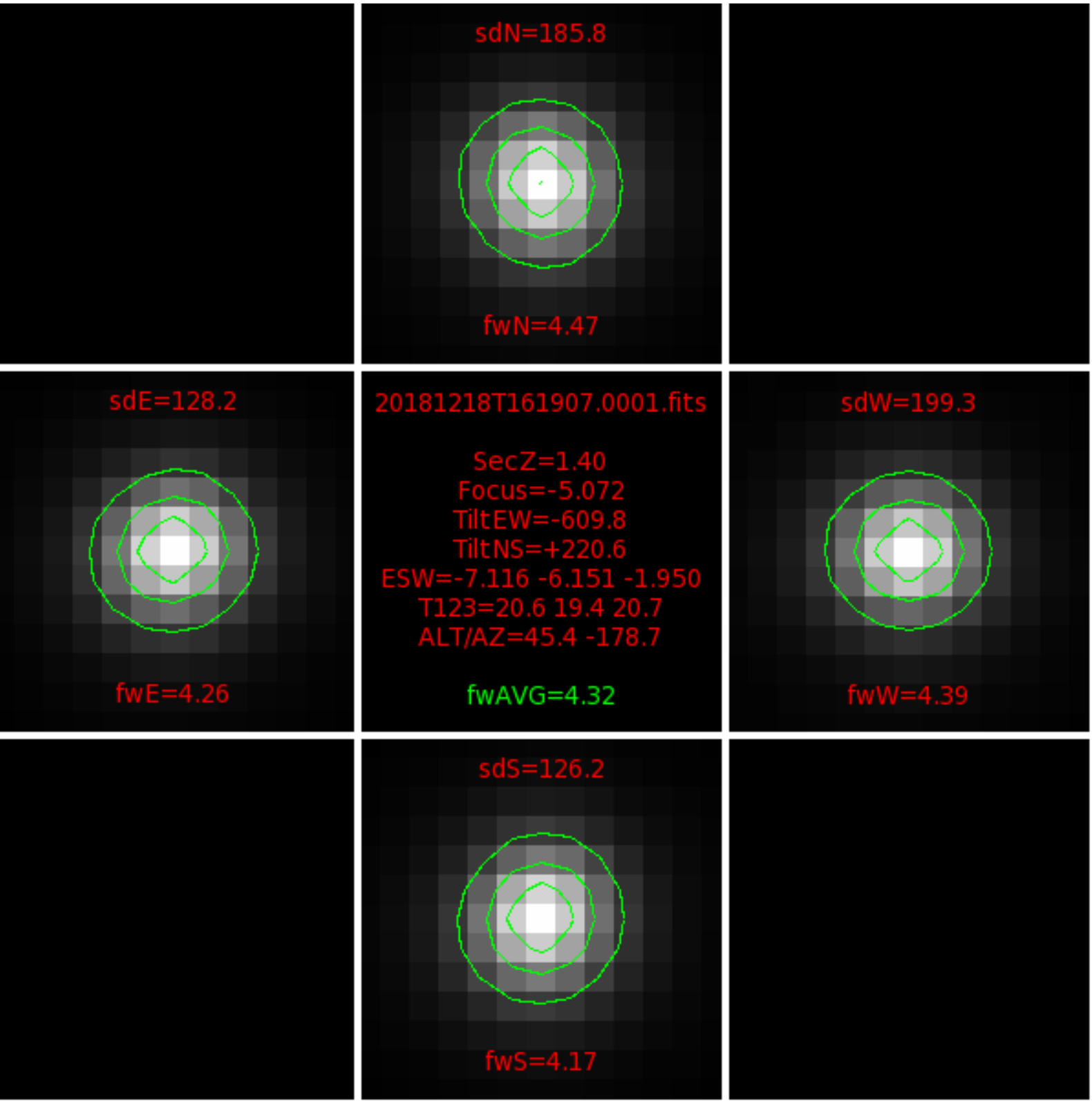
sdN=185.8
fwN=4.47
sdE=128.2
fwE=4.26
20181218T161907.0001.fits
SecZ=1.40
Focus=-5.072
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.116 -6.151 -1.950
T123=20.6 19.4 20.7
ALT/AZ=45.4 -178.7
fwAVG=4.32
sdW=199.3
fwW=4.39
sdS=126.2
fwS=4.17
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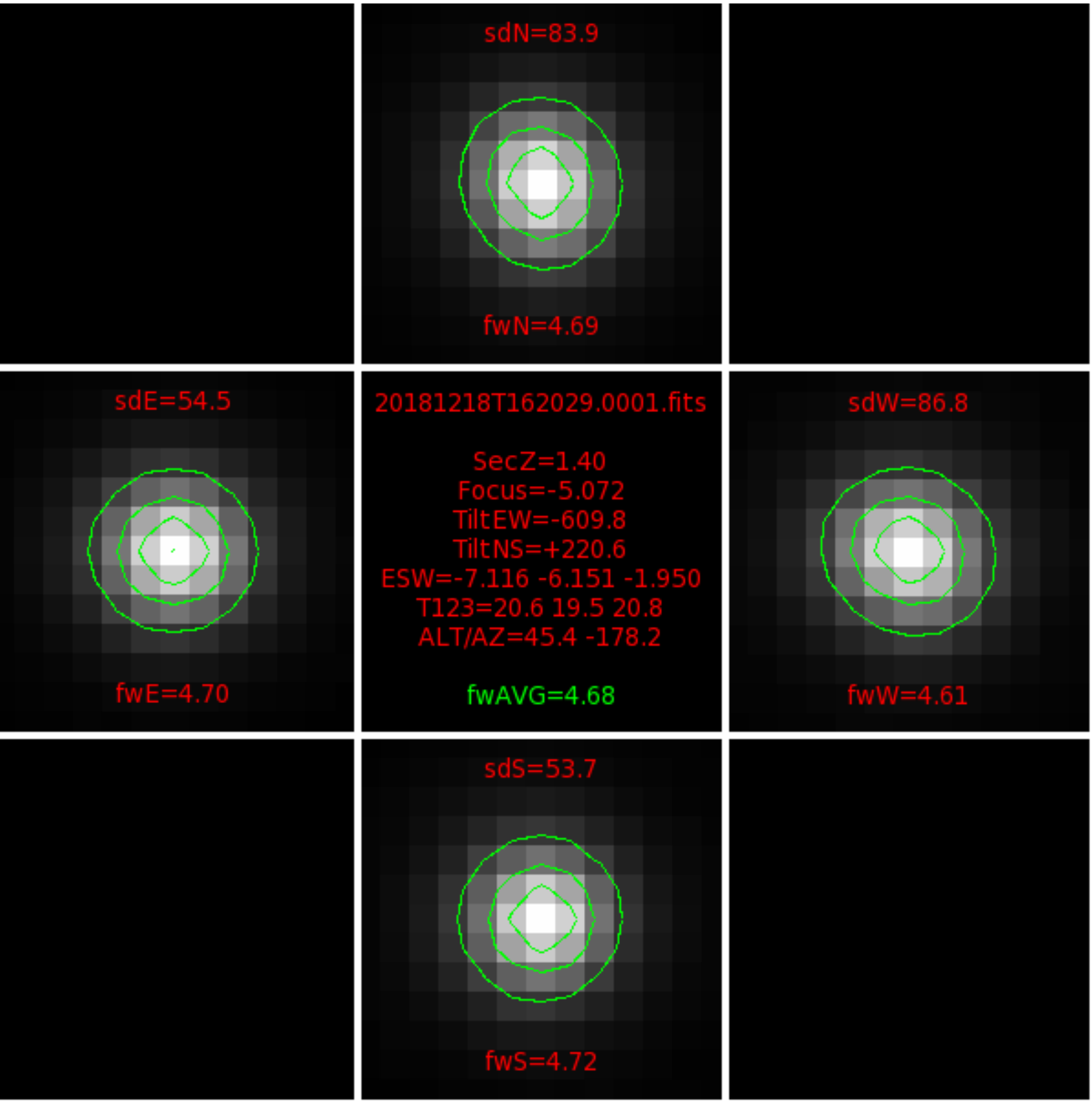
sdN=83.9
fwN=4.69
sdE=54.5
fwE=4.70
20181218T162029.0001.fits
SecZ=1.40
Focus=-5.072
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.116 -6.151 -1.950
T123=20.6 19.5 20.8
ALT/AZ=45.4 -178.2
fwAVG=4.68
sdW=86.8
fwW=4.61
sdS=53.7
fwS=4.72
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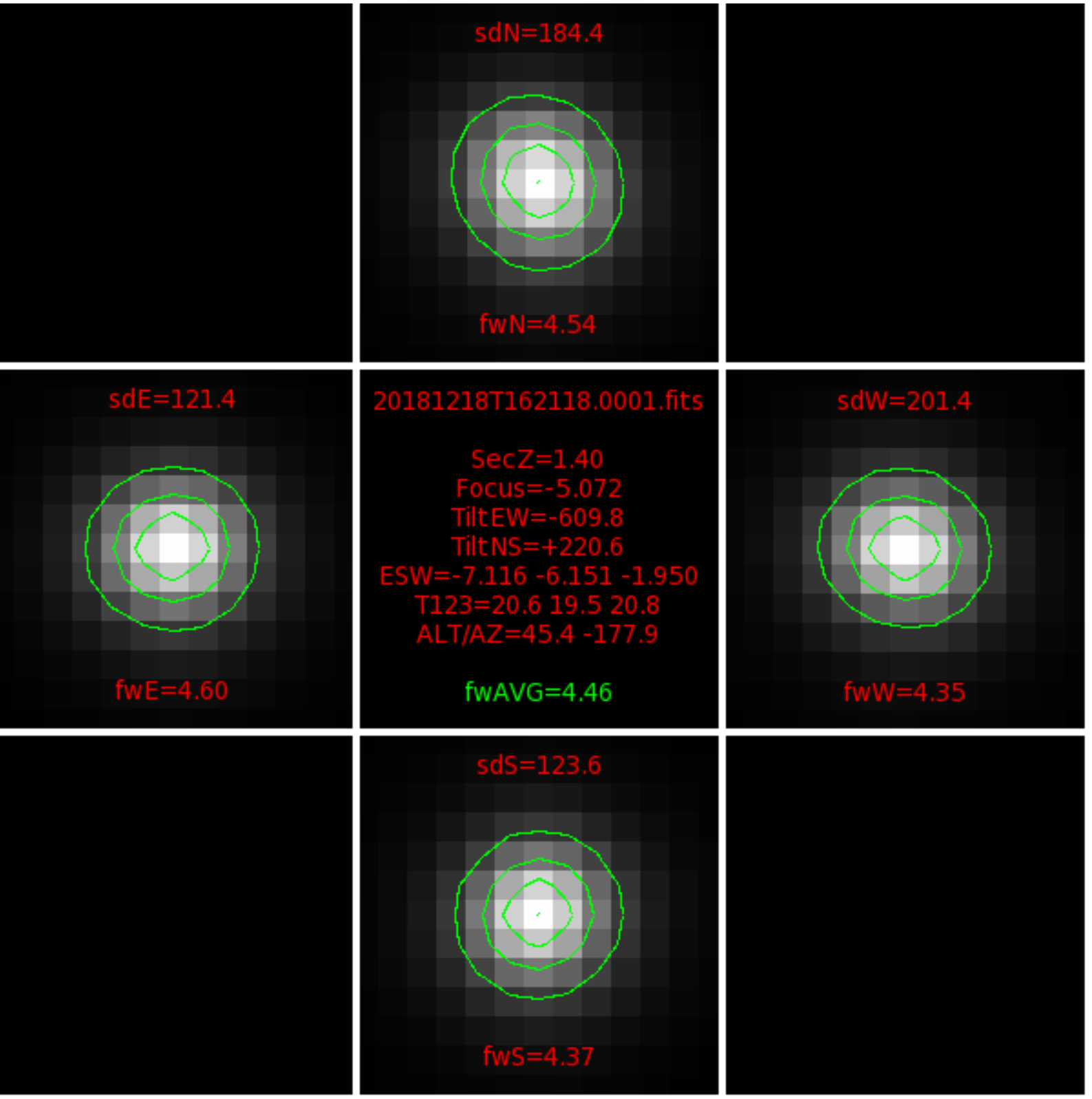
sdN=184.4
fwN=4.54
sdE=121.4
fwE=4.60
20181218T162118.0001.fits
SecZ=1.40
Focus=-5.072
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.116 -6.151 -1.950
T123=20.6 19.5 20.8
ALT/AZ=45.4 -177.9
fwAVG=4.46
sdW=201.4
fwW=4.35
sdS=123.6
fwS=4.37
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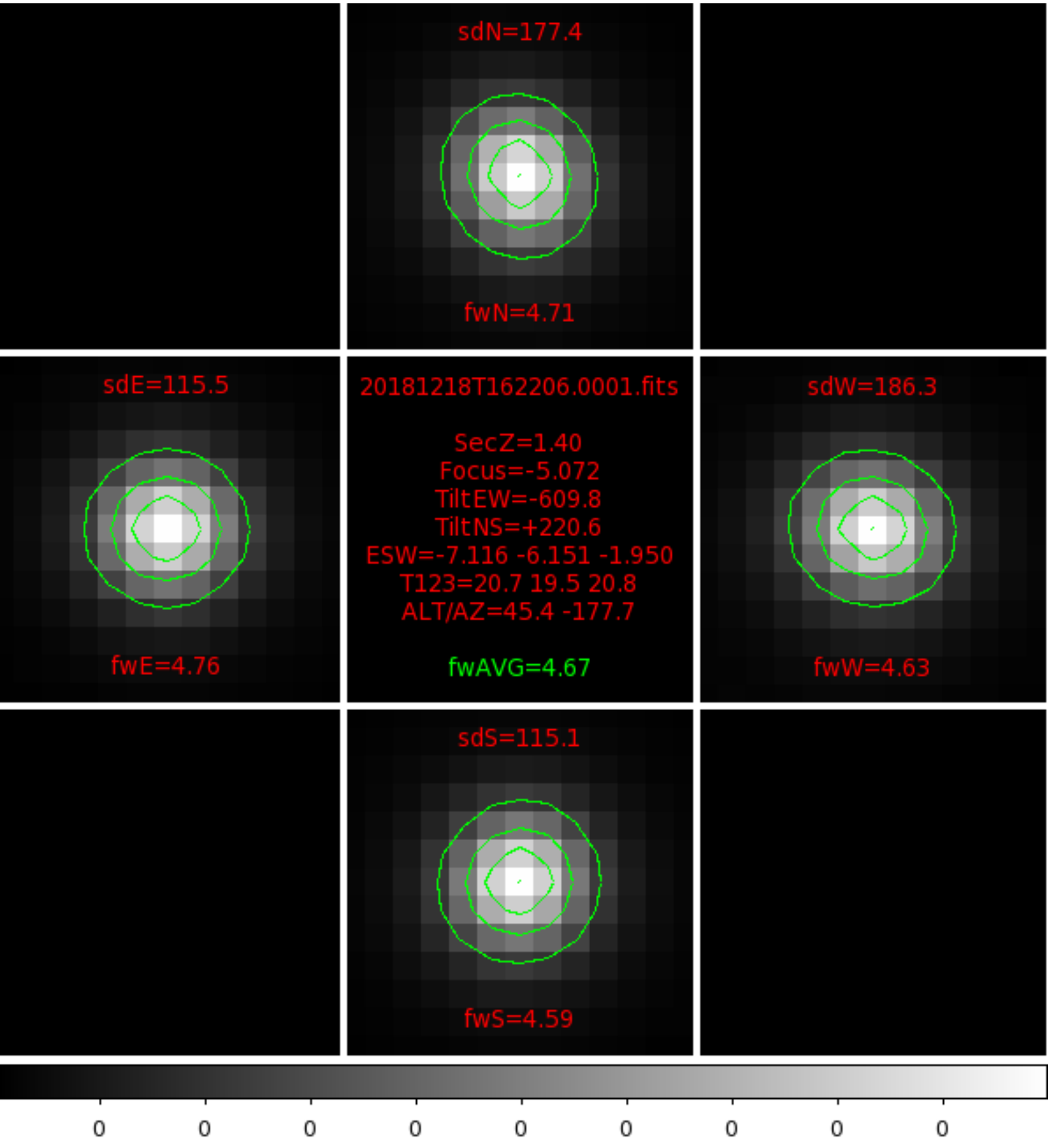
sdN=177.4
fwN=4.71
sdE=115.5
fwE=4.76
20181218T162206.0001.fits
SecZ=1.40
Focus=-5.072
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.116 -6.151 -1.950
T123=20.7 19.5 20.8
ALT/AZ=45.4 -177.7
fwAVG=4.67
sdW=186.3
fwW=4.63
sdS=115.1
fwS=4.59
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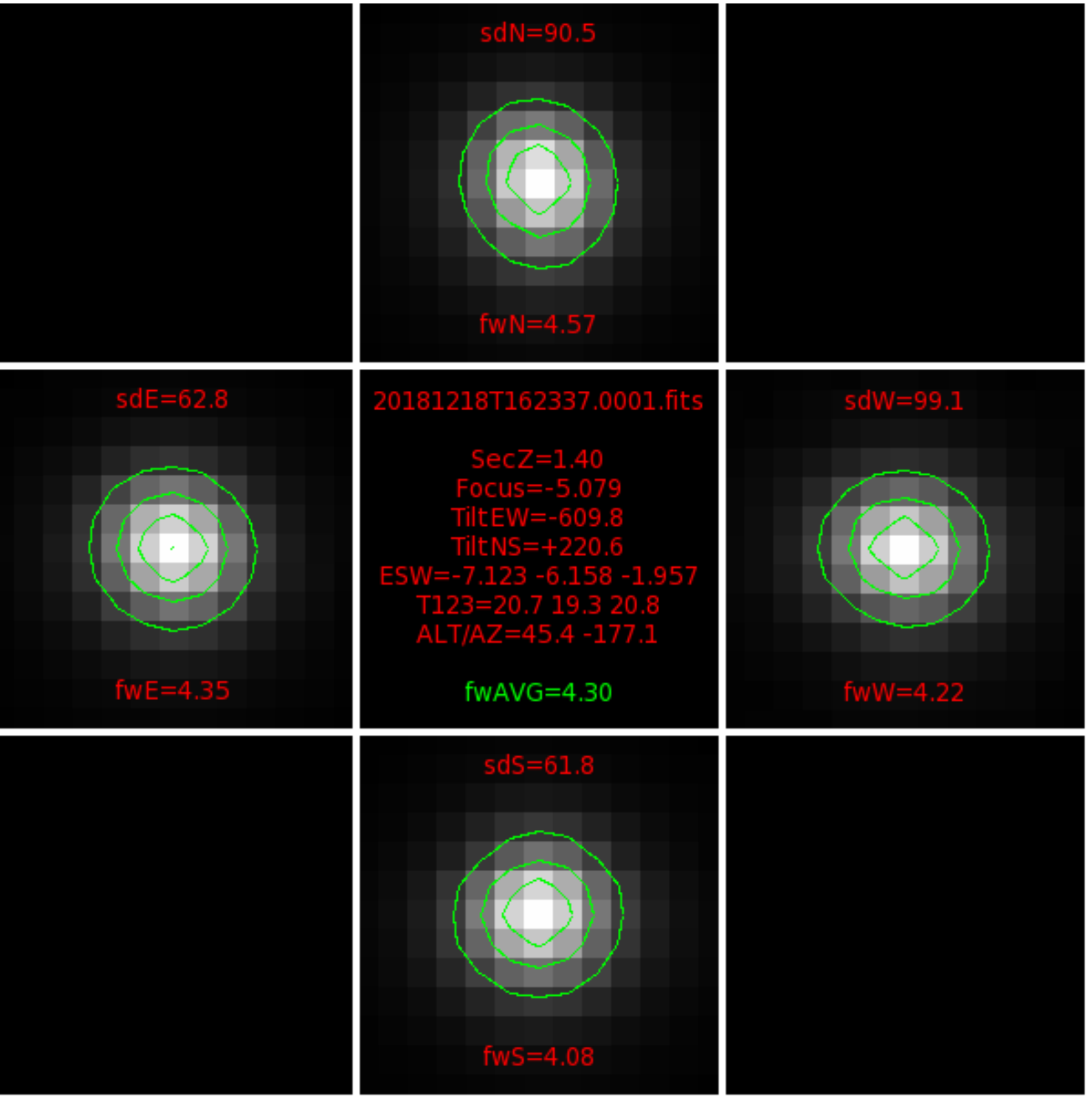
sdN=90.5
fwN=4.57
sdE=62.8
fwE=4.35
20181218T162337.0001.fits
SecZ=1.40
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.7 19.3 20.8
ALT/AZ=45.4 -177.1
fwAVG=4.30
sdW=99.1
fwW=4.22
sdS=61.8
fwS=4.08
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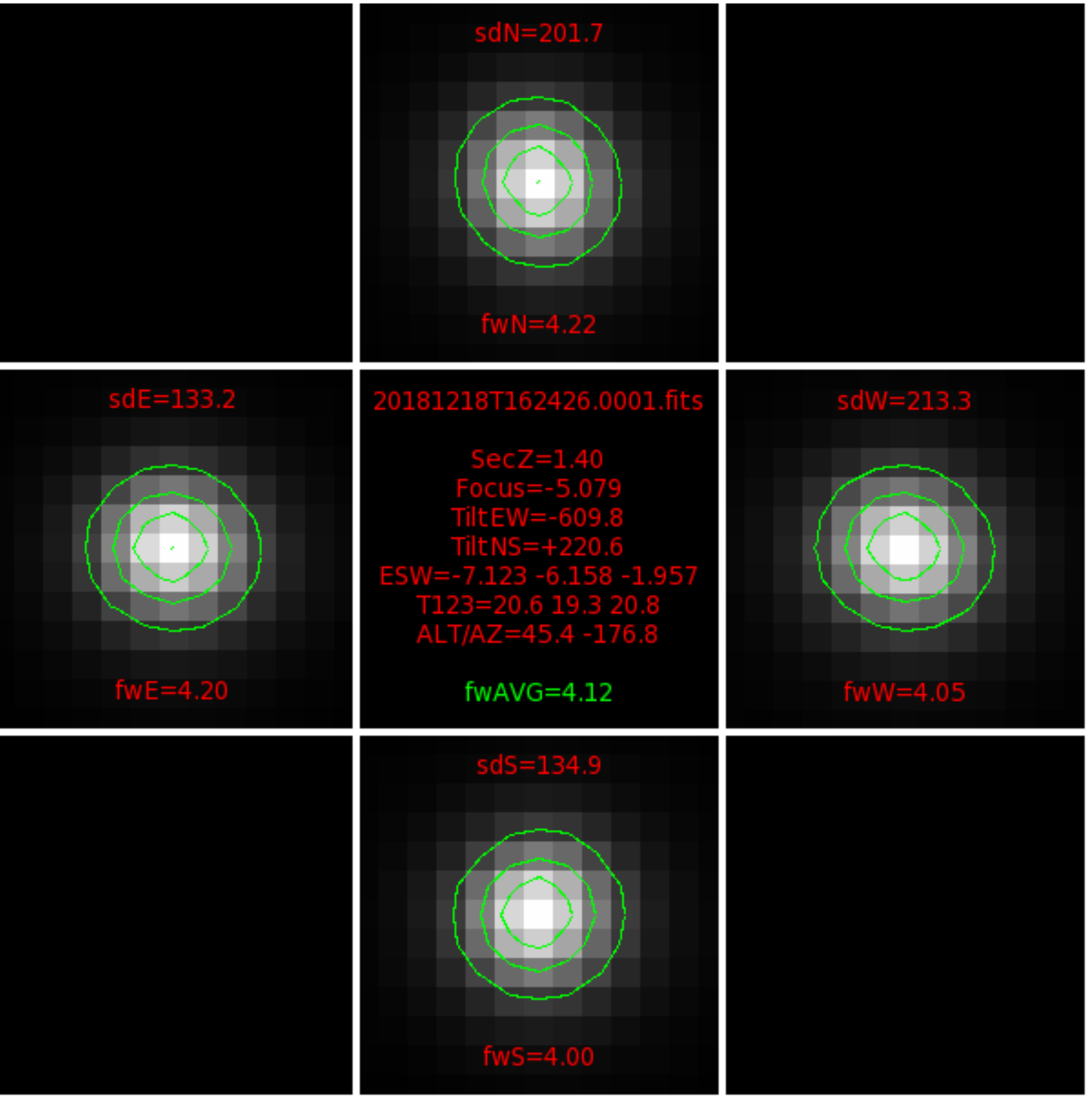
sdN=201.7
fwN=4.22
sdE=133.2
fwE=4.20
20181218T162426.0001.fits
SecZ=1.40
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.6 19.3 20.8
ALT/AZ=45.4 -176.8
fwAVG=4.12
sdW=213.3
fwW=4.05
sdS=134.9
fwS=4.00
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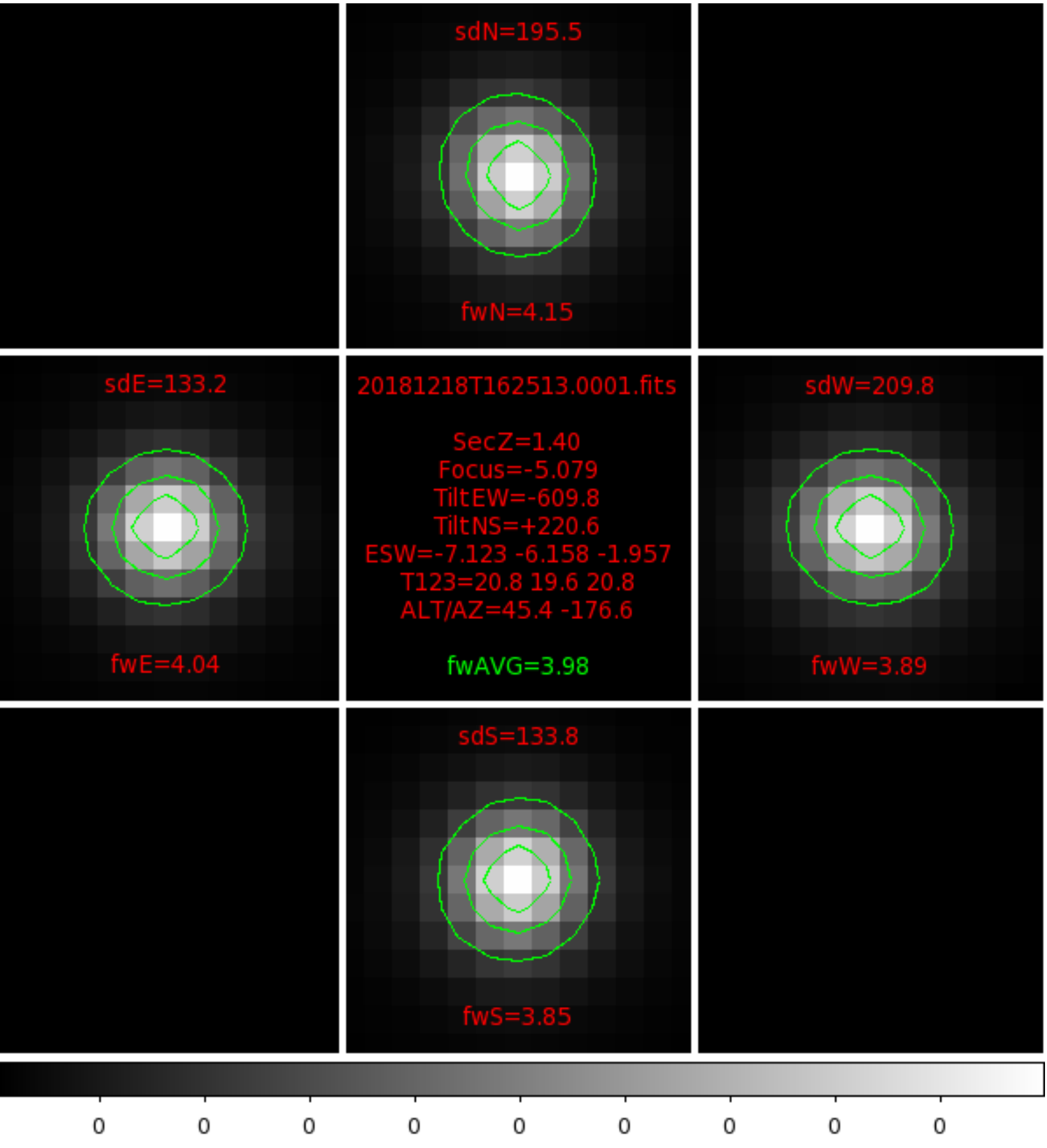
sdN=195.5
fwN=4.15
sdE=133.2
fwE=4.04
20181218T162513.0001.fits
SecZ=1.40
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.8 19.6 20.8
ALT/AZ=45.4 -176.6
fwAVG=3.98
sdW=209.8
fwW=3.89
sdS=133.8
fwS=3.85
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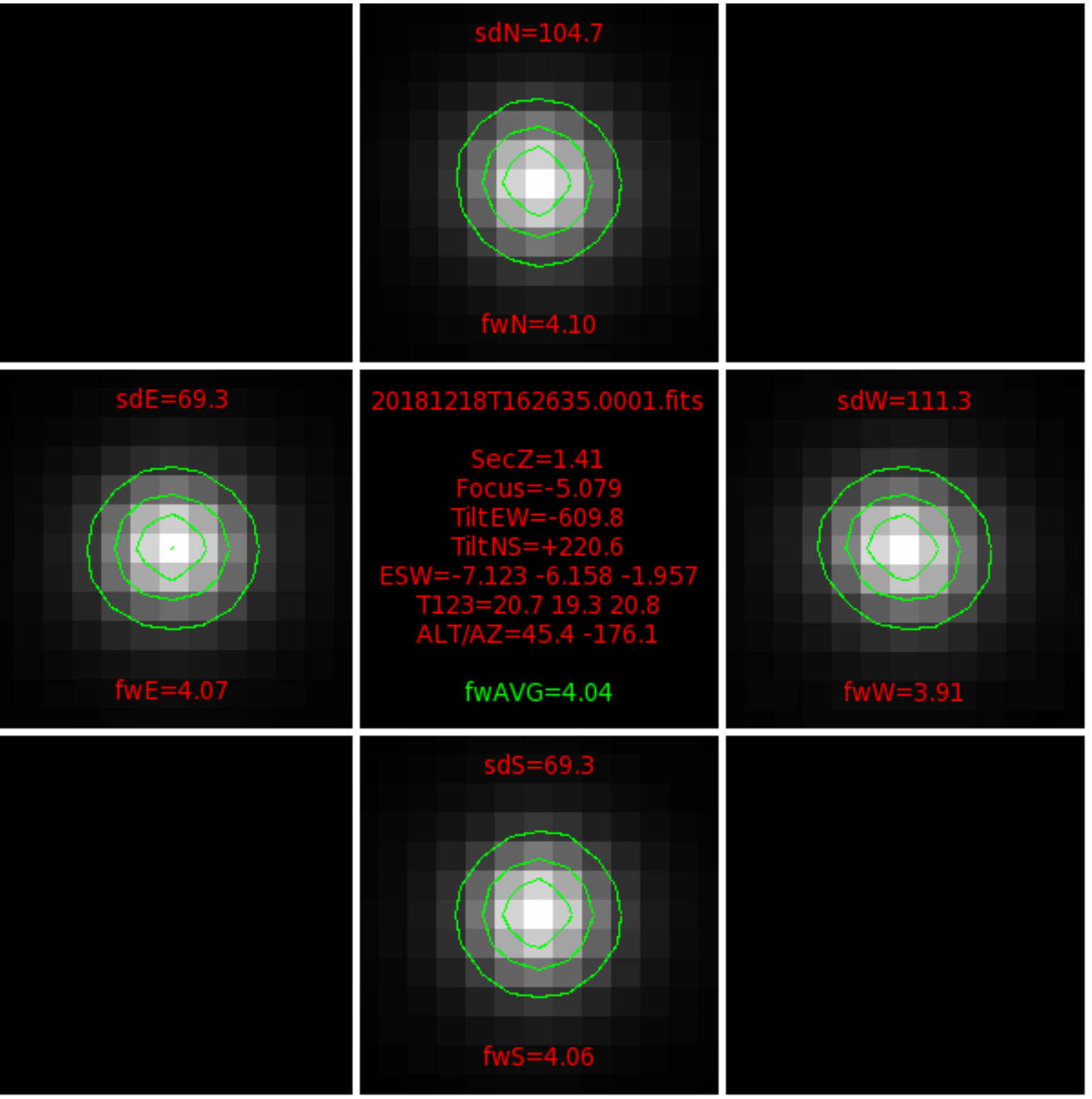
sdN=104.7
fwN=4.10
sdE=69.3
fwE=4.07
20181218T162635.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.7 19.3 20.8
ALT/AZ=45.4 -176.1
fwAVG=4.04
sdW=111.3
fwW=3.91
sdS=69.3
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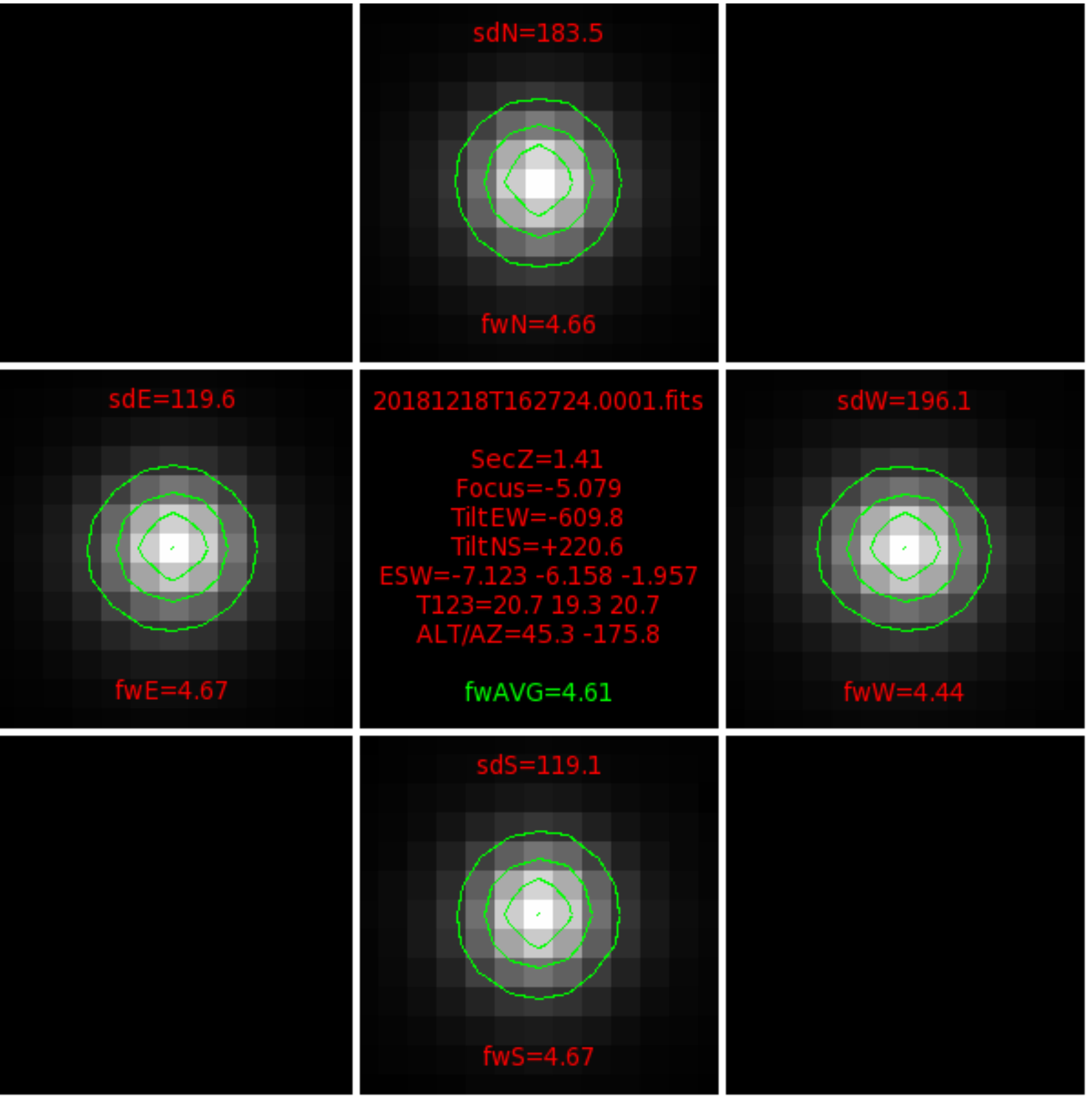
sdN=183.5
fwN=4.66
sdE=119.6
fwE=4.67
20181218T162724.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.7 19.3 20.7
ALT/AZ=45.3 -175.8
fwAVG=4.61
sdW=196.1
fwW=4.44
sdS=119.1
fwS=4.67
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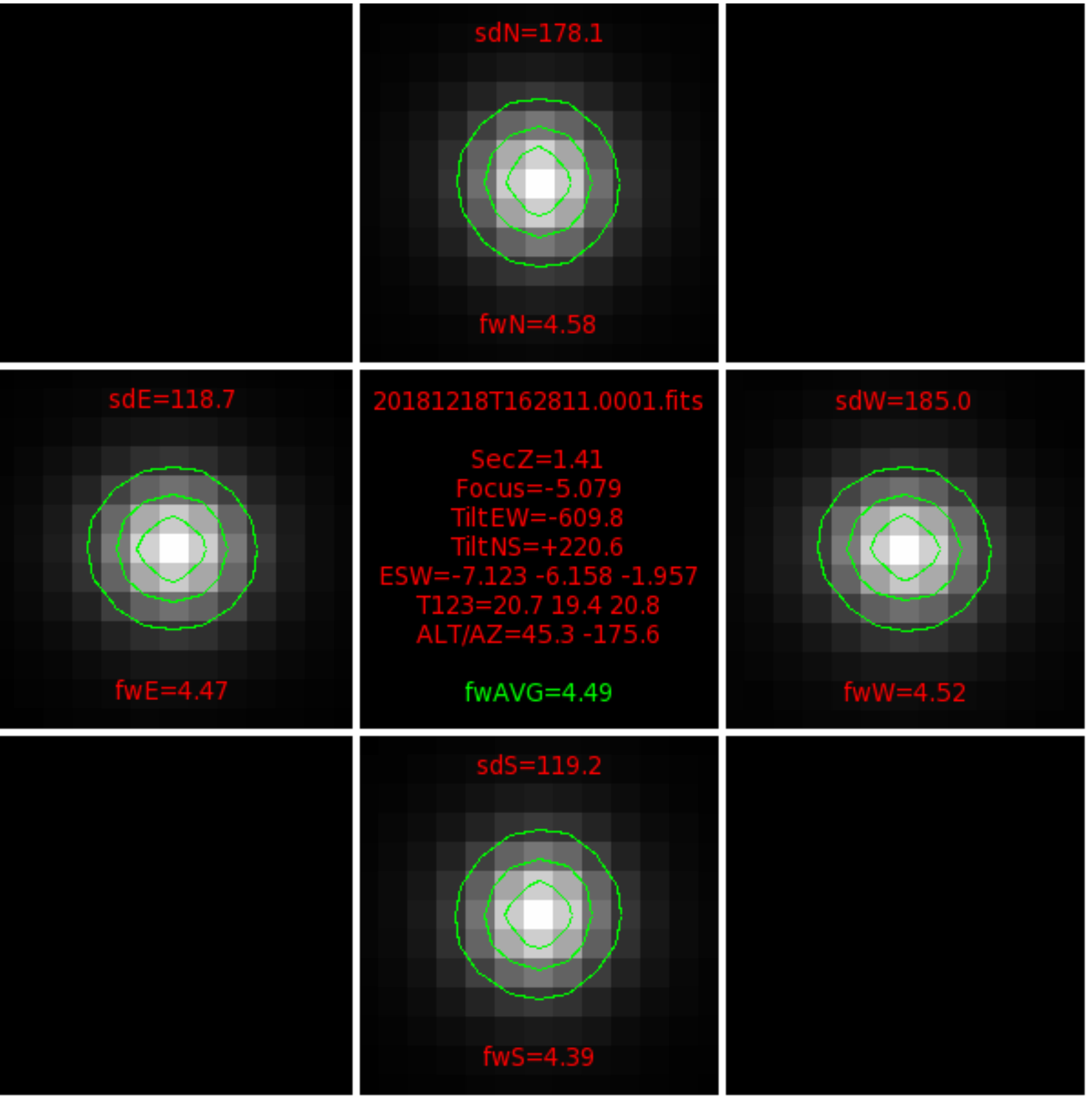
sdN=178.1
fwN=4.58
sdE=118.7
fwE=4.47
20181218T162811.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.7 19.4 20.8
ALT/AZ=45.3 -175.6
fwAVG=4.49
sdW=185.0
fwW=4.52
sdS=119.2
fwS=4.39
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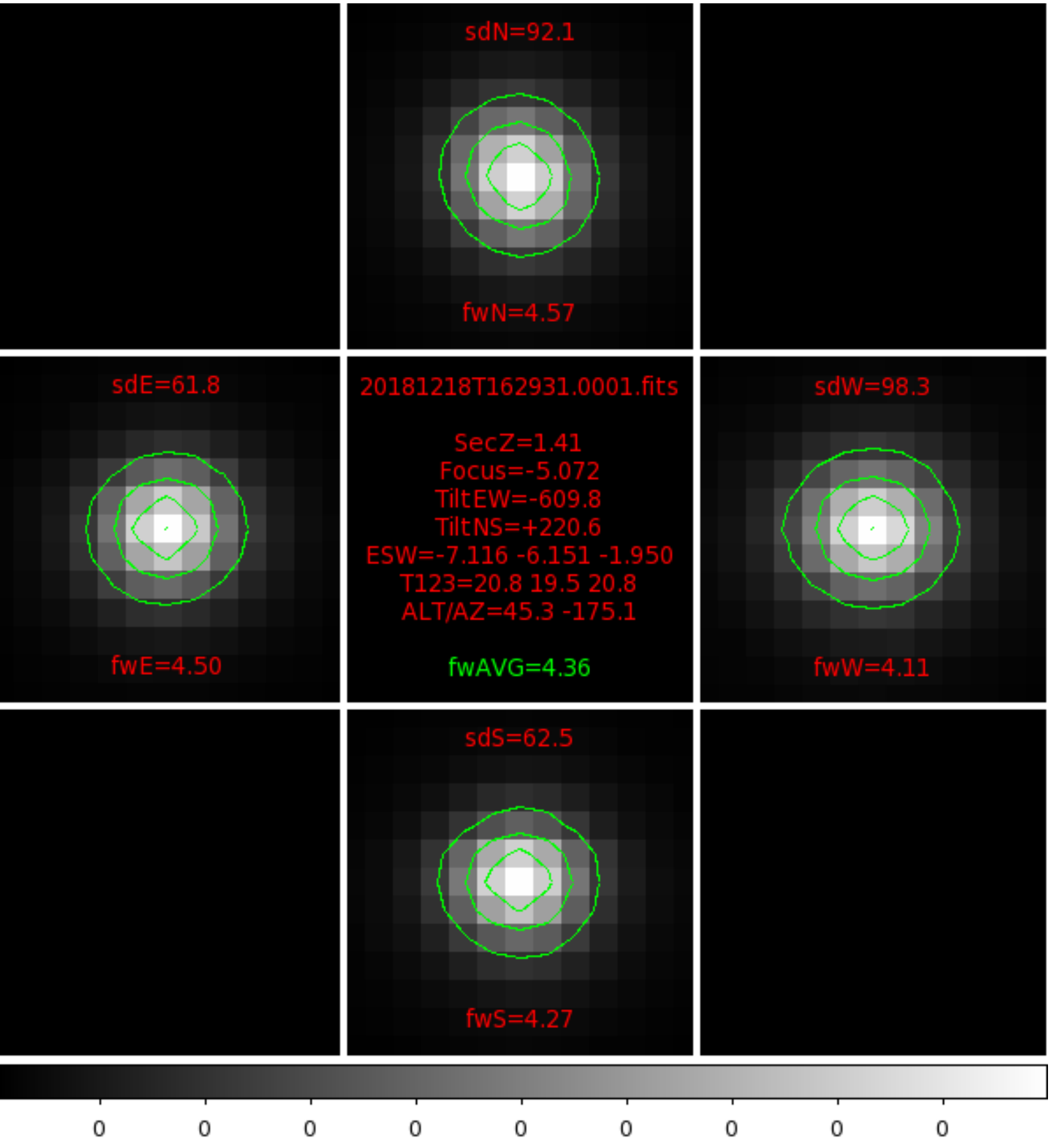
sdN=92.1
fwN=4.57
sdE=61.8
fwE=4.50
20181218T162931.0001.fits
SecZ=1.41
Focus=-5.072
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.116 -6.151 -1.950
T123=20.8 19.5 20.8
ALT/AZ=45.3 -175.1
fwAVG=4.36
sdW=98.3
fwW=4.11
sdS=62.5
fwS=4.27
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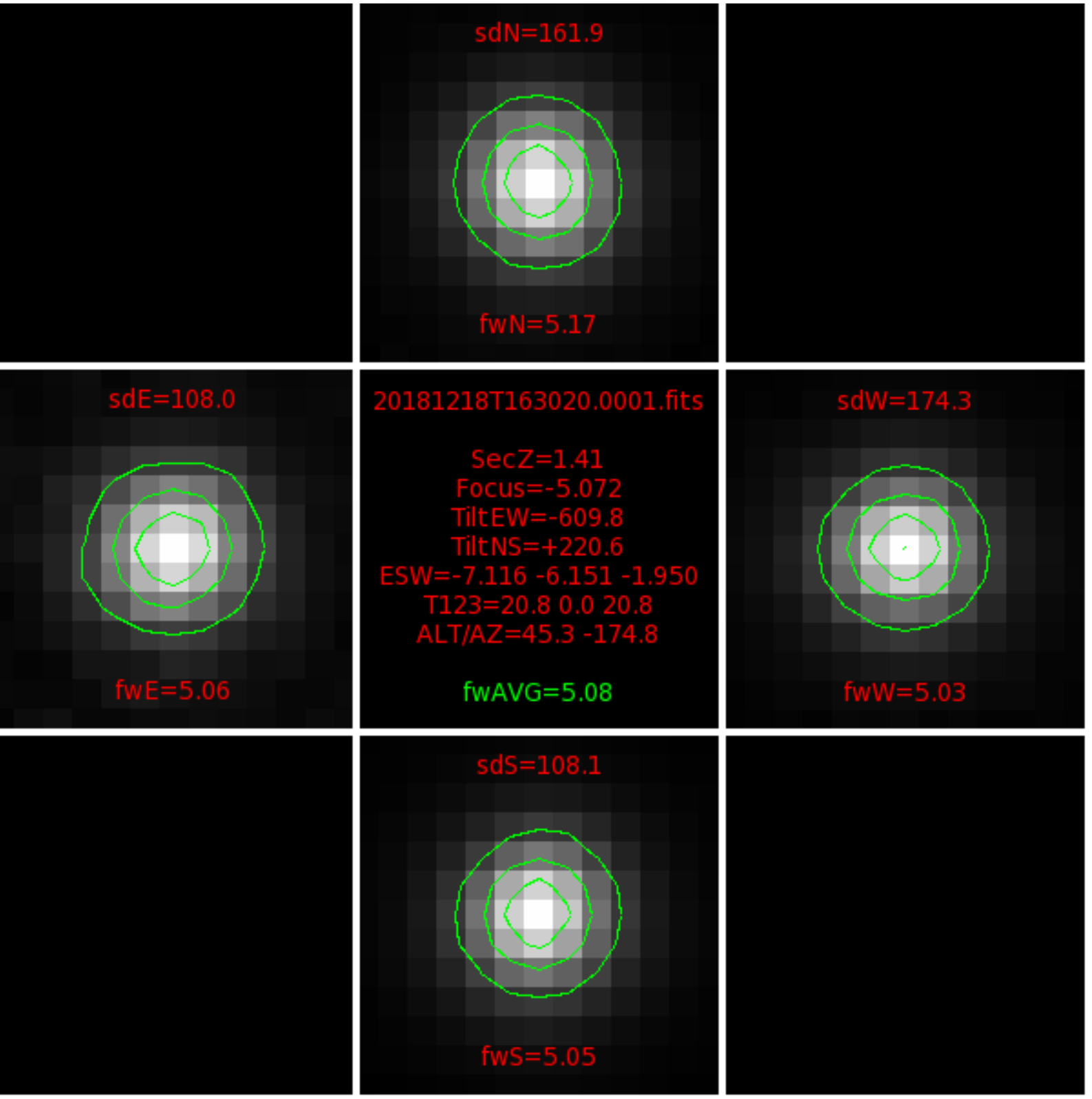
sdN=161.9
fwN=5.17
sdE=108.0
fwE=5.06
20181218T163020.0001.fits
SecZ=1.41
Focus=-5.072
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.116 -6.151 -1.950
T123=20.8 0.0 20.8
ALT/AZ=45.3 -174.8
fwAVG=5.08
sdW=174.3
fwW=5.03
sdS=108.1
fwS=5.05
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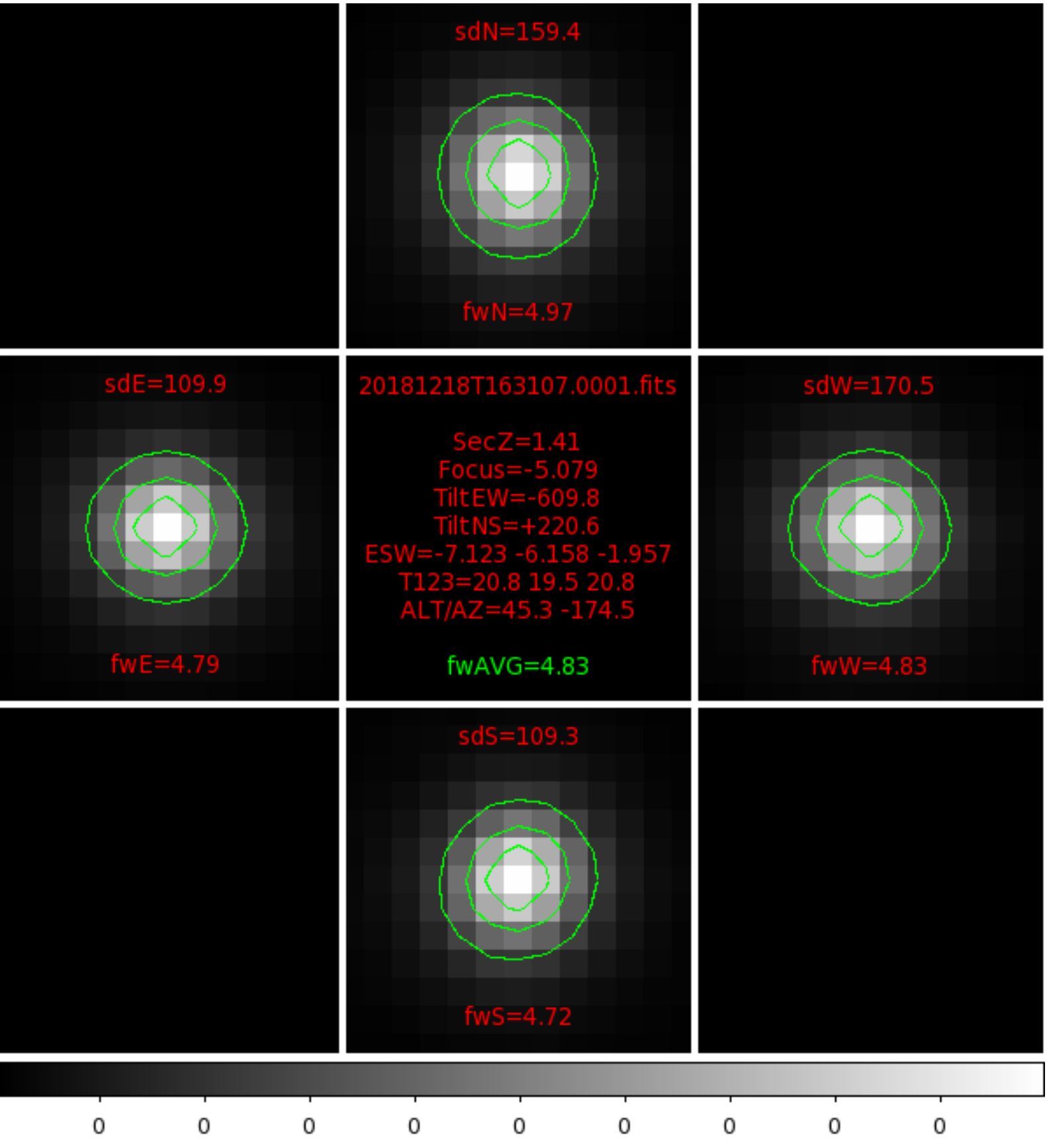
sdN=159.4
fwN=4.97
sdE=109.9
fwE=4.79
20181218T163107.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.8 19.5 20.8
ALT/AZ=45.3 -174.5
fwAVG=4.83
sdW=170.5
fwW=4.83
sdS=109.3
fwS=4.72
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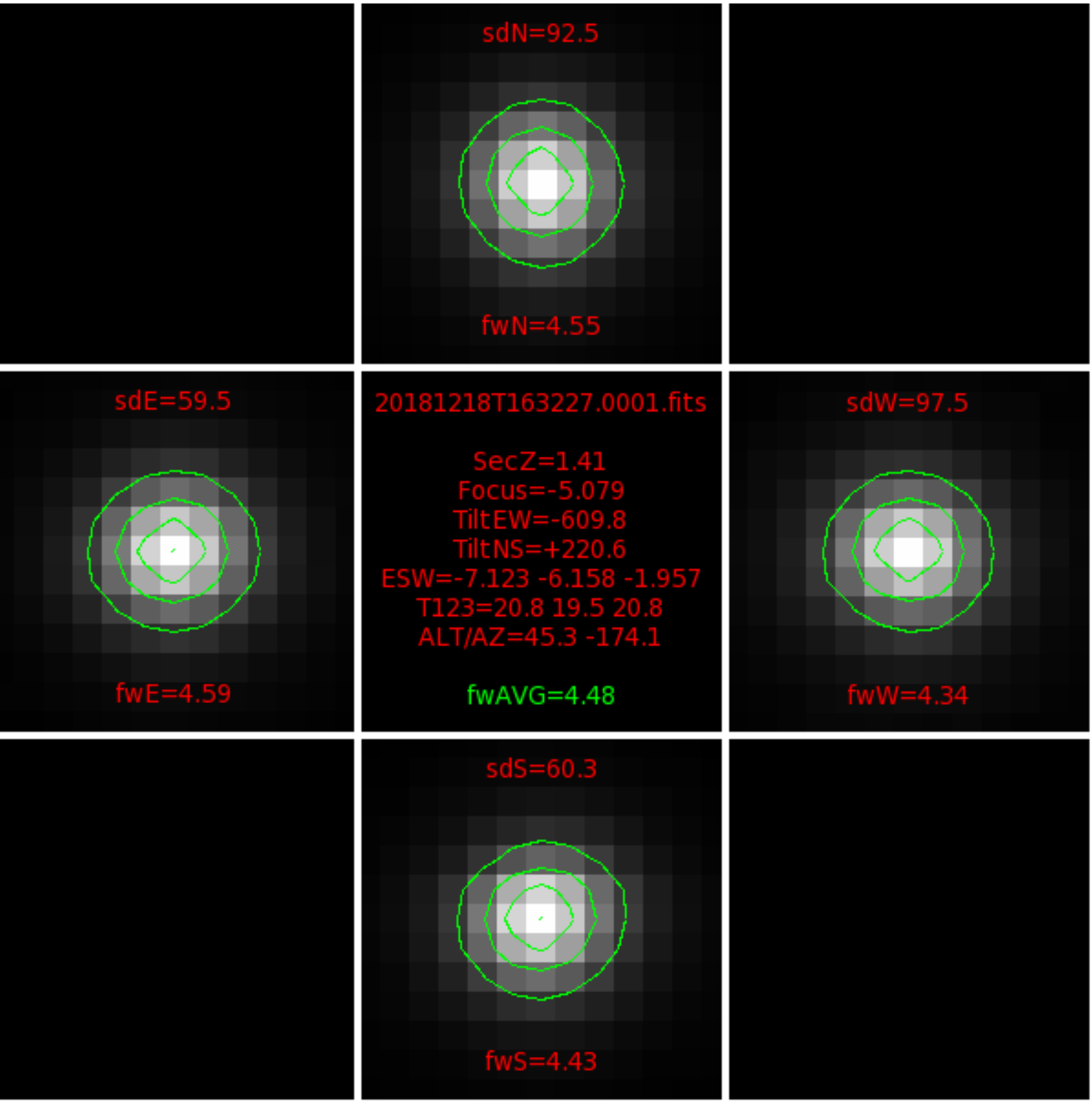
sdN=92.5
fwN=4.55
sdE=59.5
fwE=4.59
20181218T163227.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.8 19.5 20.8
ALT/AZ=45.3 -174.1
fwAVG=4.48
sdW=97.5
fwW=4.34
sdS=60.3
fwS=4.43
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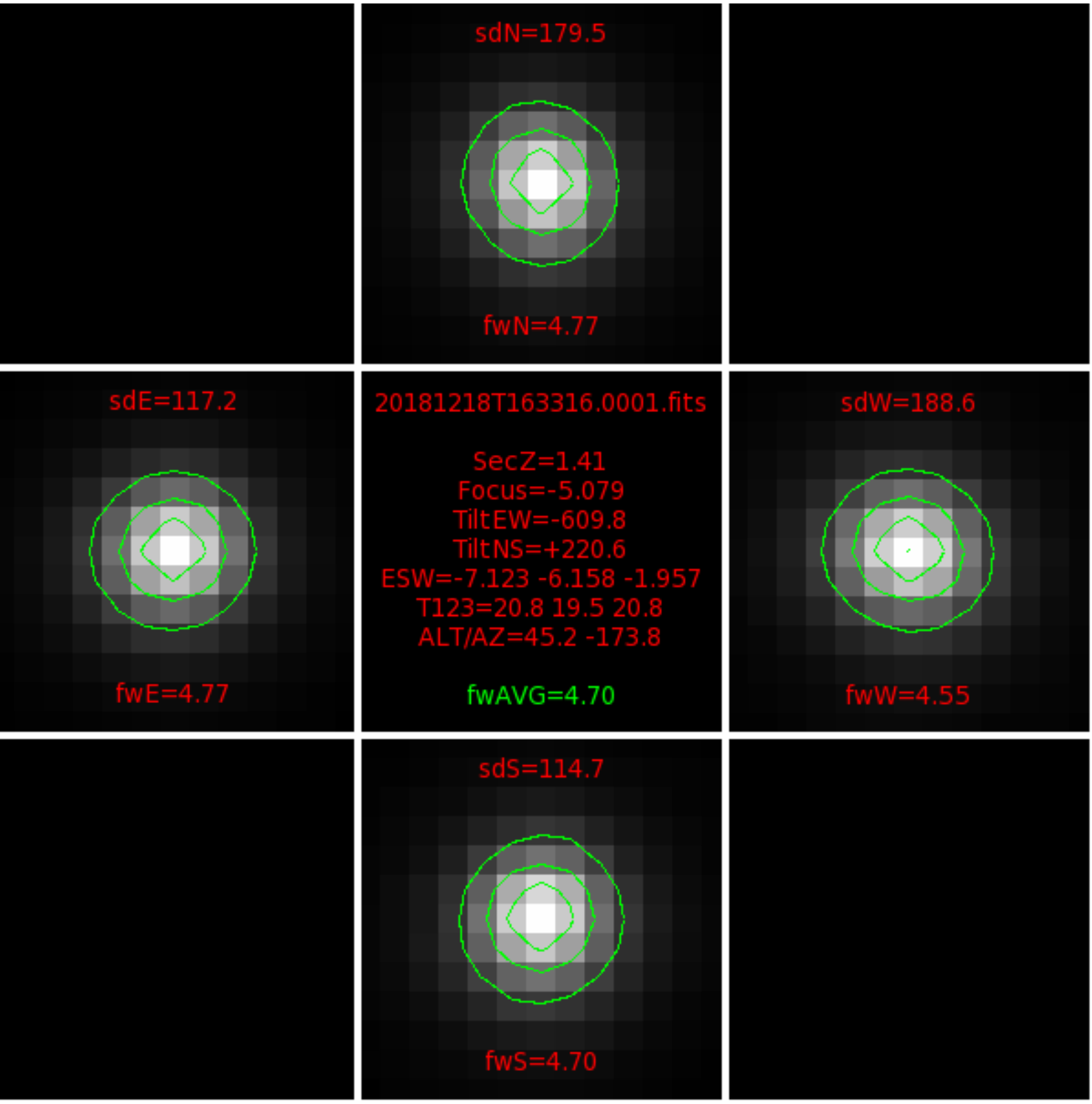
sdN=179.5
fwN=4.77
sdE=117.2
fwE=4.77
20181218T163316.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.8 19.5 20.8
ALT/AZ=45.2 -173.8
fwAVG=4.70
sdW=188.6
fwW=4.55
sdS=114.7
fwS=4.70
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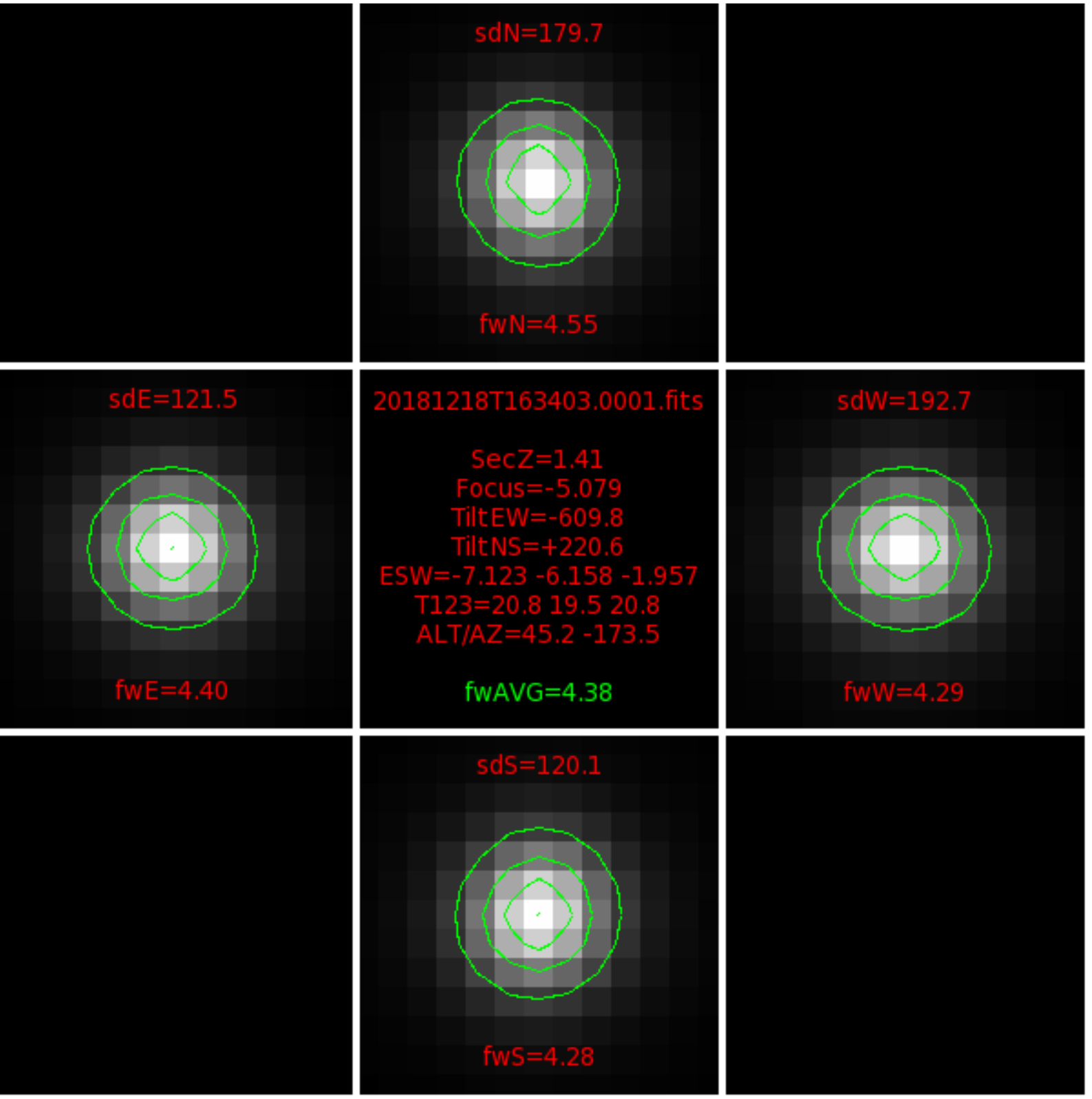
sdN=179.7
fwN=4.55
sdE=121.5
fwE=4.40
20181218T163403.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.8 19.5 20.8
ALT/AZ=45.2 -173.5
fwAVG=4.38
sdW=192.7
fwW=4.29
sdS=120.1
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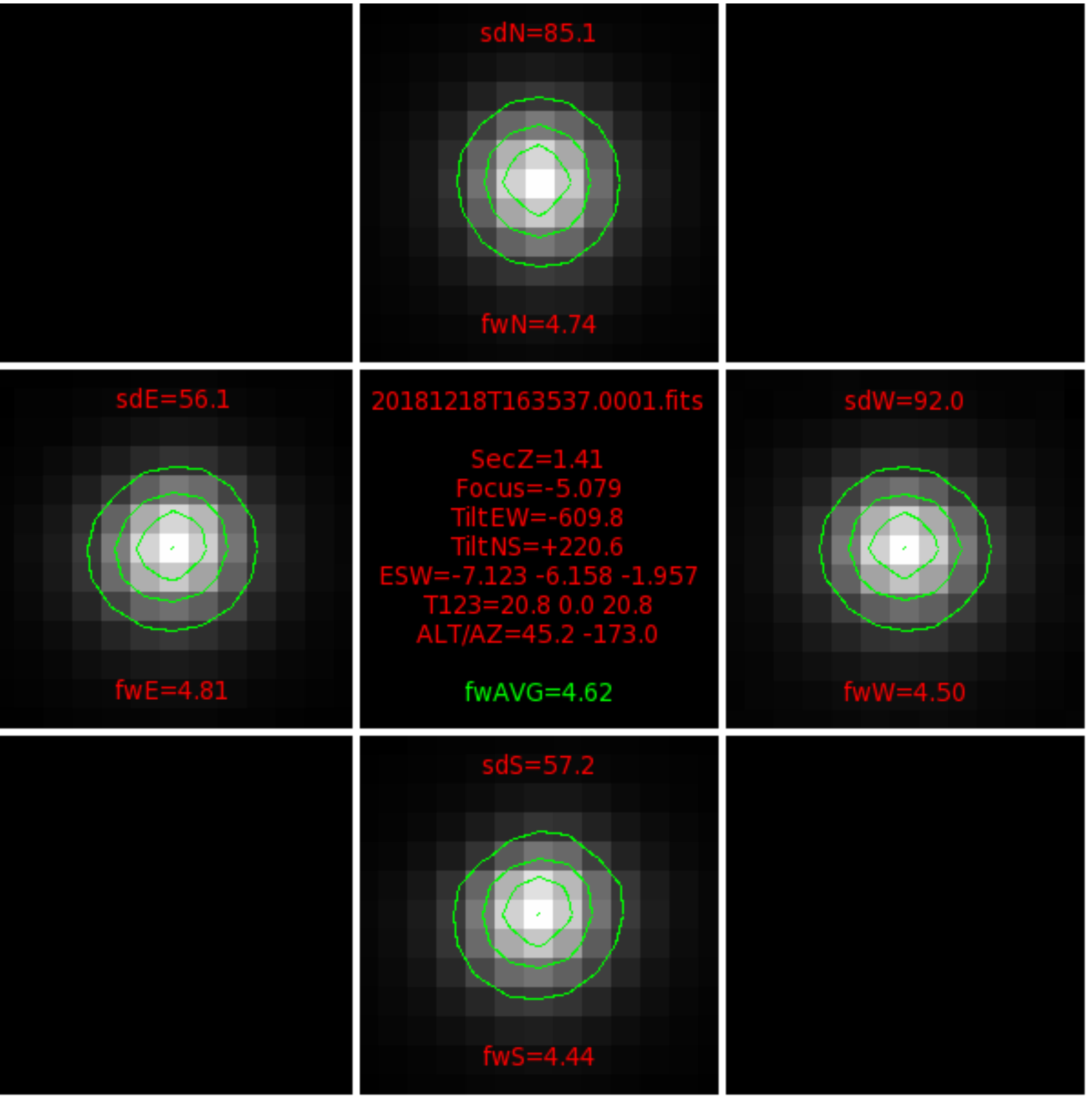
sdN=85.1
fwN=4.74
sdE=56.1
fwE=4.81
20181218T163537.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.8 0.0 20.8
ALT/AZ=45.2 -173.0
fwAVG=4.62
sdW=92.0
fwW=4.50
sdS=57.2
fwS=4.44
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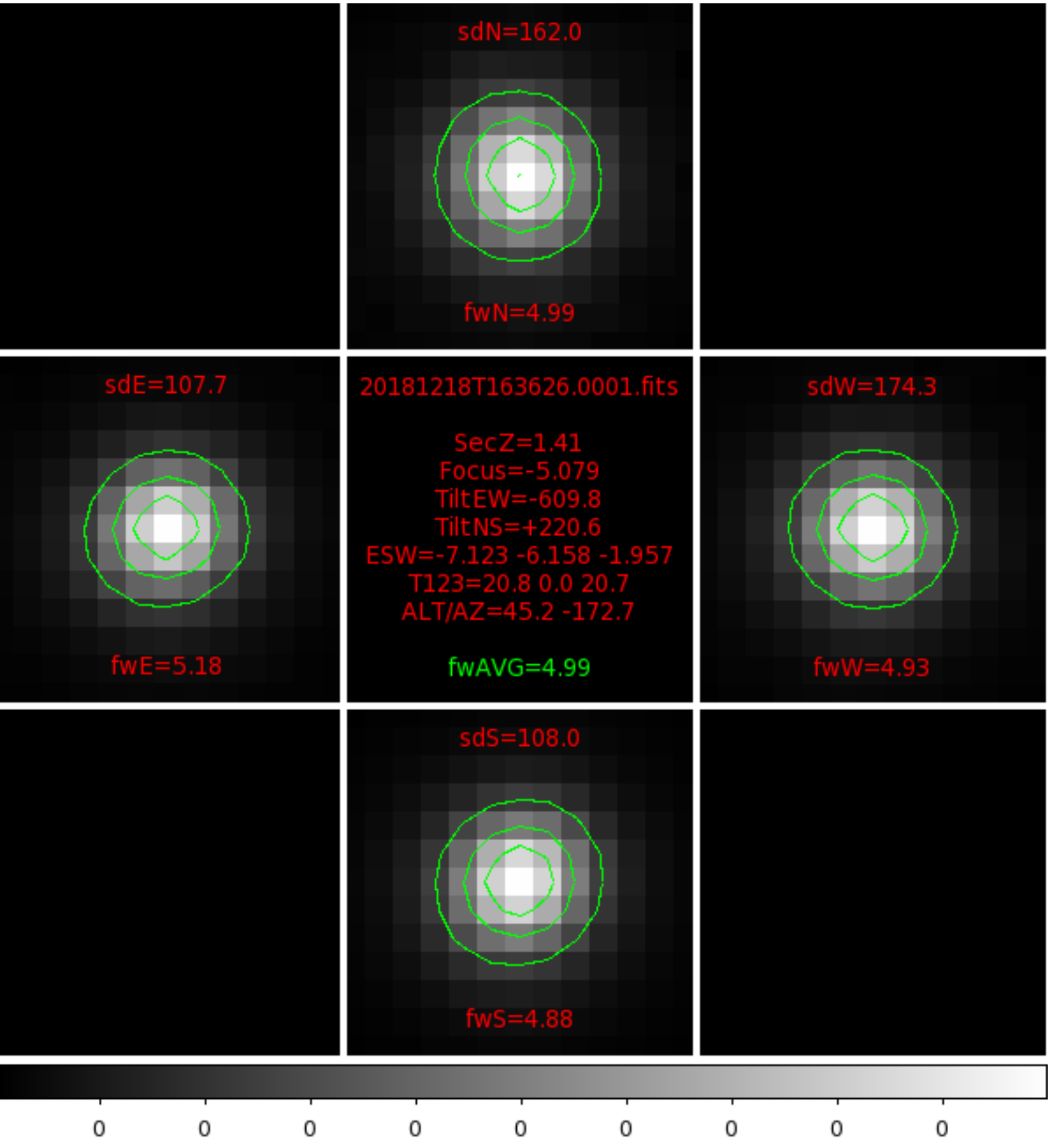
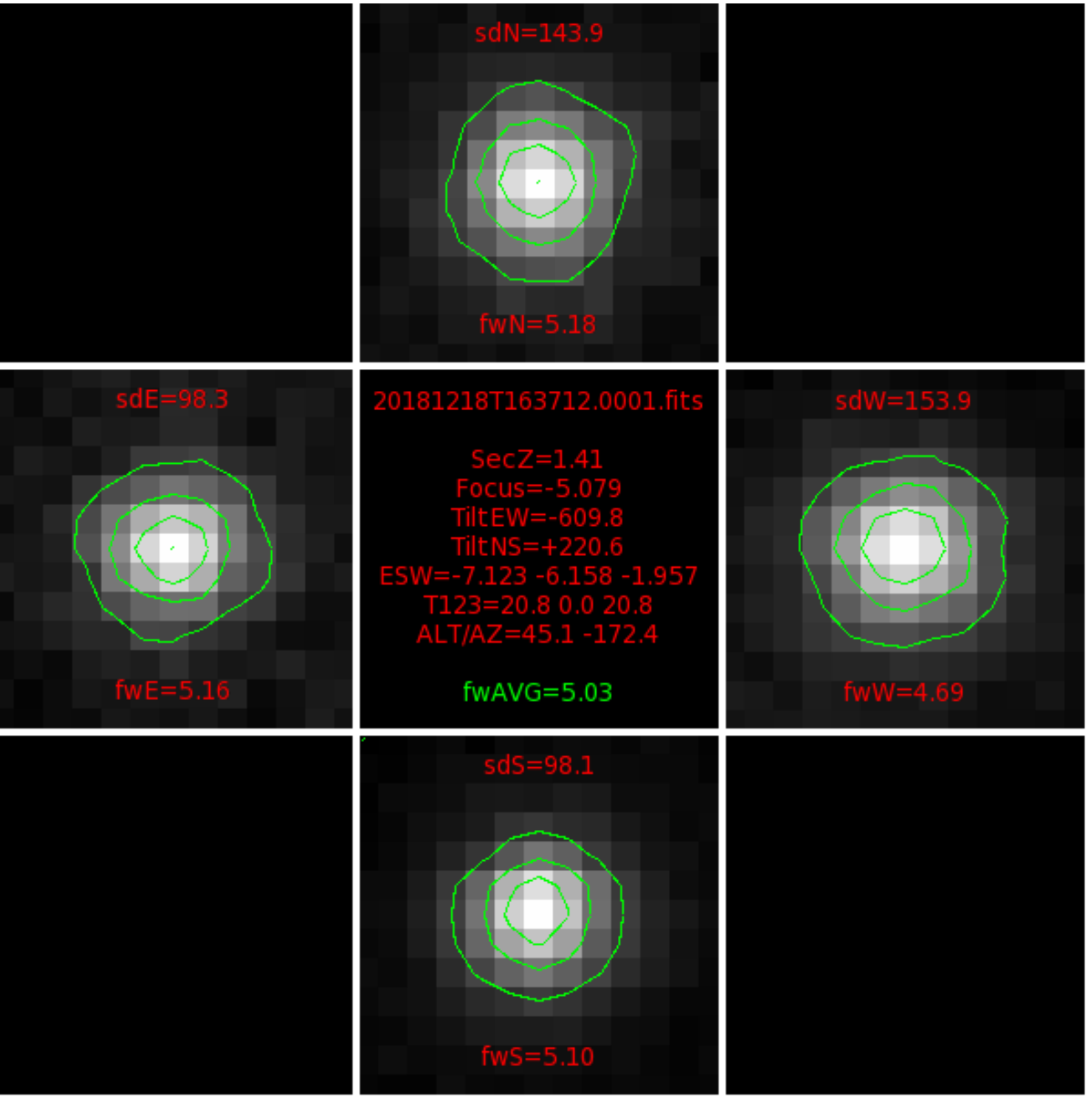

sdN=162.0
fwN=4.99
sdE=107.7
fwE=5.18
20181218T163626.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.8 0.0 20.7
ALT/AZ=45.2 -172.7
fwAVG=4.99
sdW=174.3
fwW=4.93
sdS=108.0
fwS=4.88
0 0 0 0 0 0 0 0 0


sdN=143.9
fwN=5.18
sdE=98.3
fwE=5.16
20181218T163712.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.8 0.0 20.8
ALT/AZ=45.1 -172.4
fwAVG=5.03
sdW=153.9
fwW=4.69
sdS=98.1
fwS=5.10
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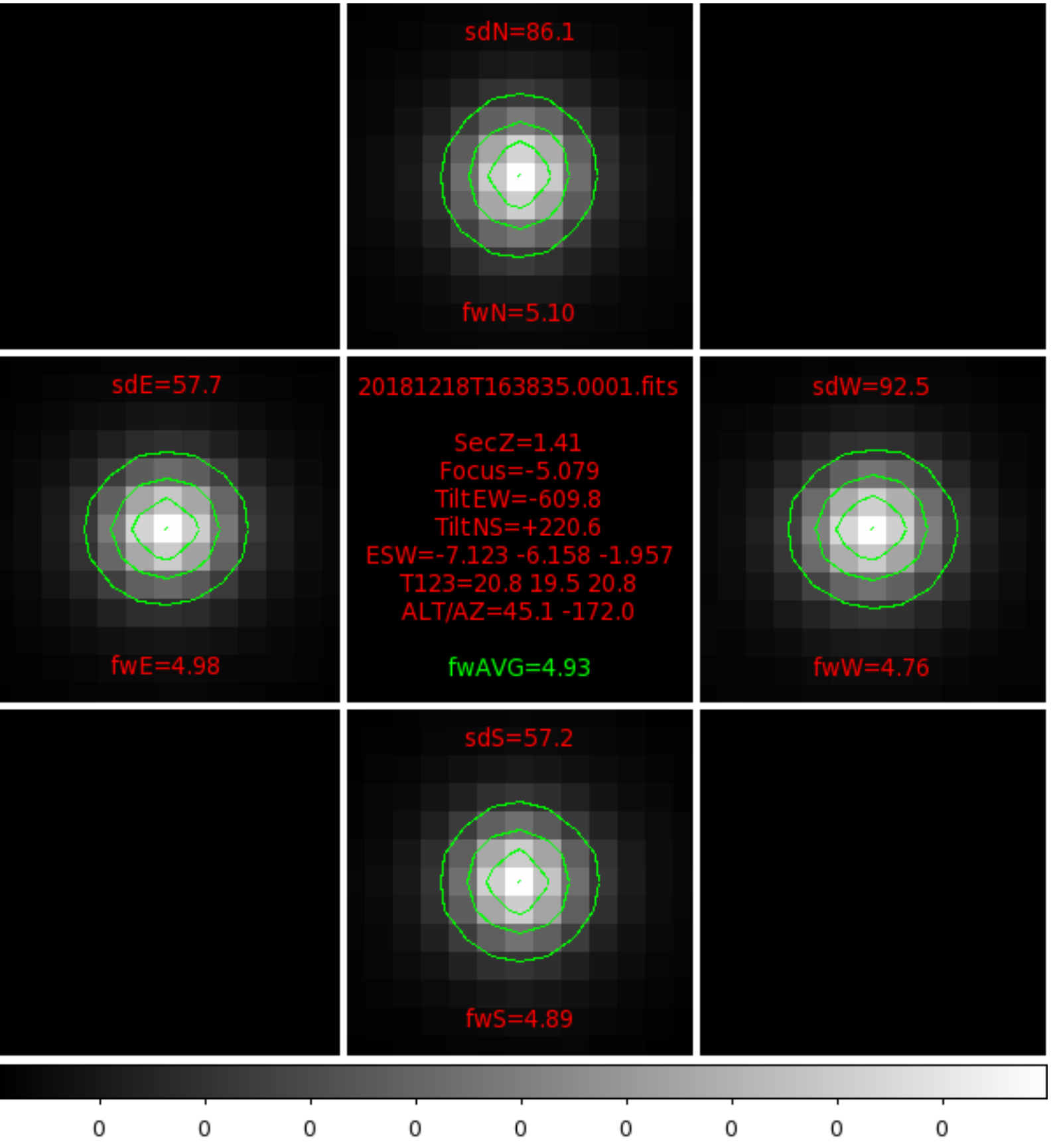
sdN=86.1
fwN=5.10
sdE=57.7
fwE=4.98
20181218T163835.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.8 19.5 20.8
ALT/AZ=45.1 -172.0
fwAVG=4.93
sdW=92.5
fwW=4.76
sdS=57.2
fwS=4.89
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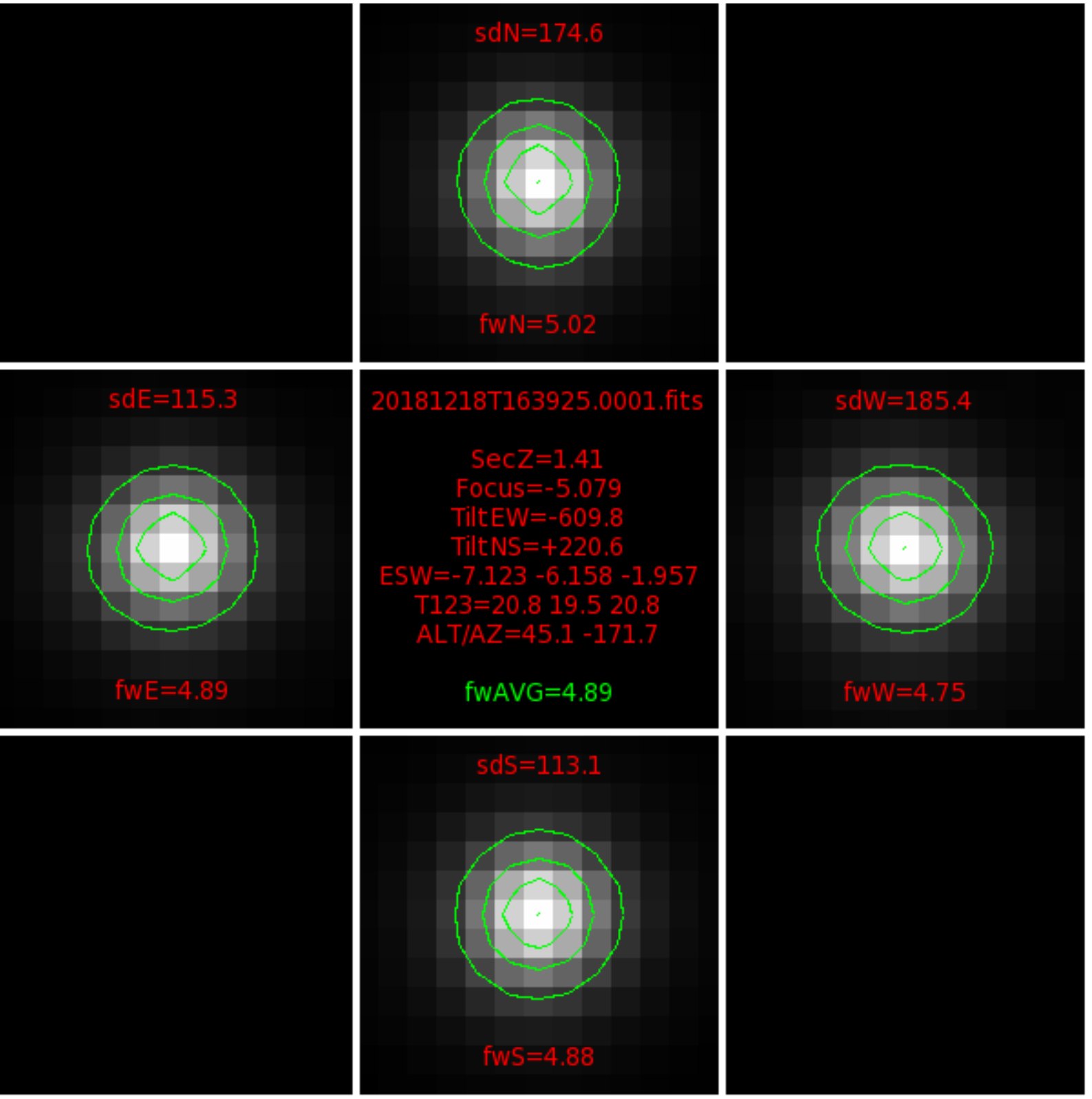
sdN=174.6
fwN=5.02
sdE=115.3
fwE=4.89
20181218T163925.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.8 19.5 20.8
ALT/AZ=45.1 -171.7
fwAVG=4.89
sdW=185.4
fwW=4.75
sdS=113.1
fwS=4.88
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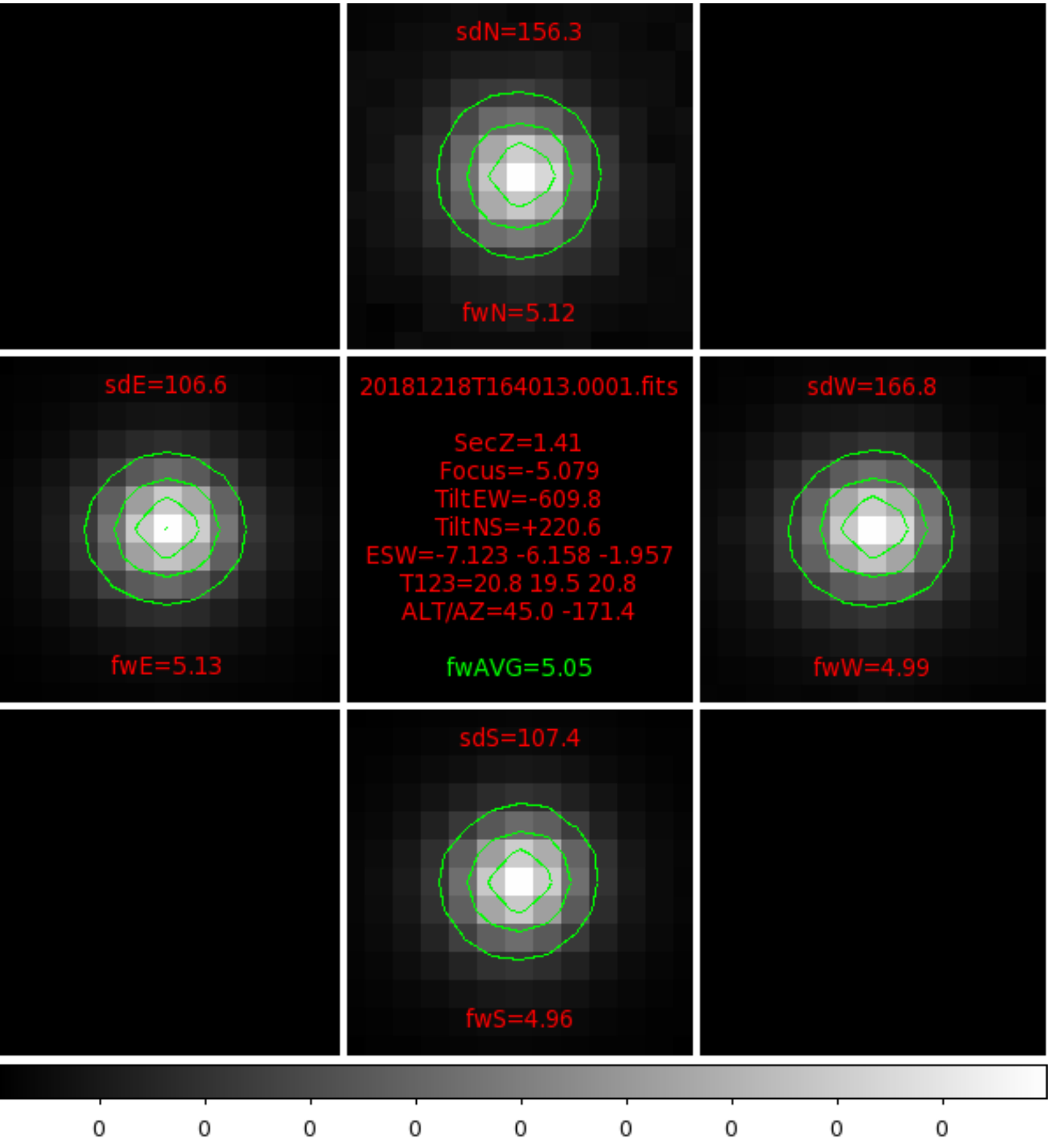
sdN=156.3
fwN=5.12
sdE=106.6
fwE=5.13
20181218T164013.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.8 19.5 20.8
ALT/AZ=45.0 -171.4
fwAVG=5.05
sdW=166.8
fwW=4.99
sdS=107.4
fwS=4.96
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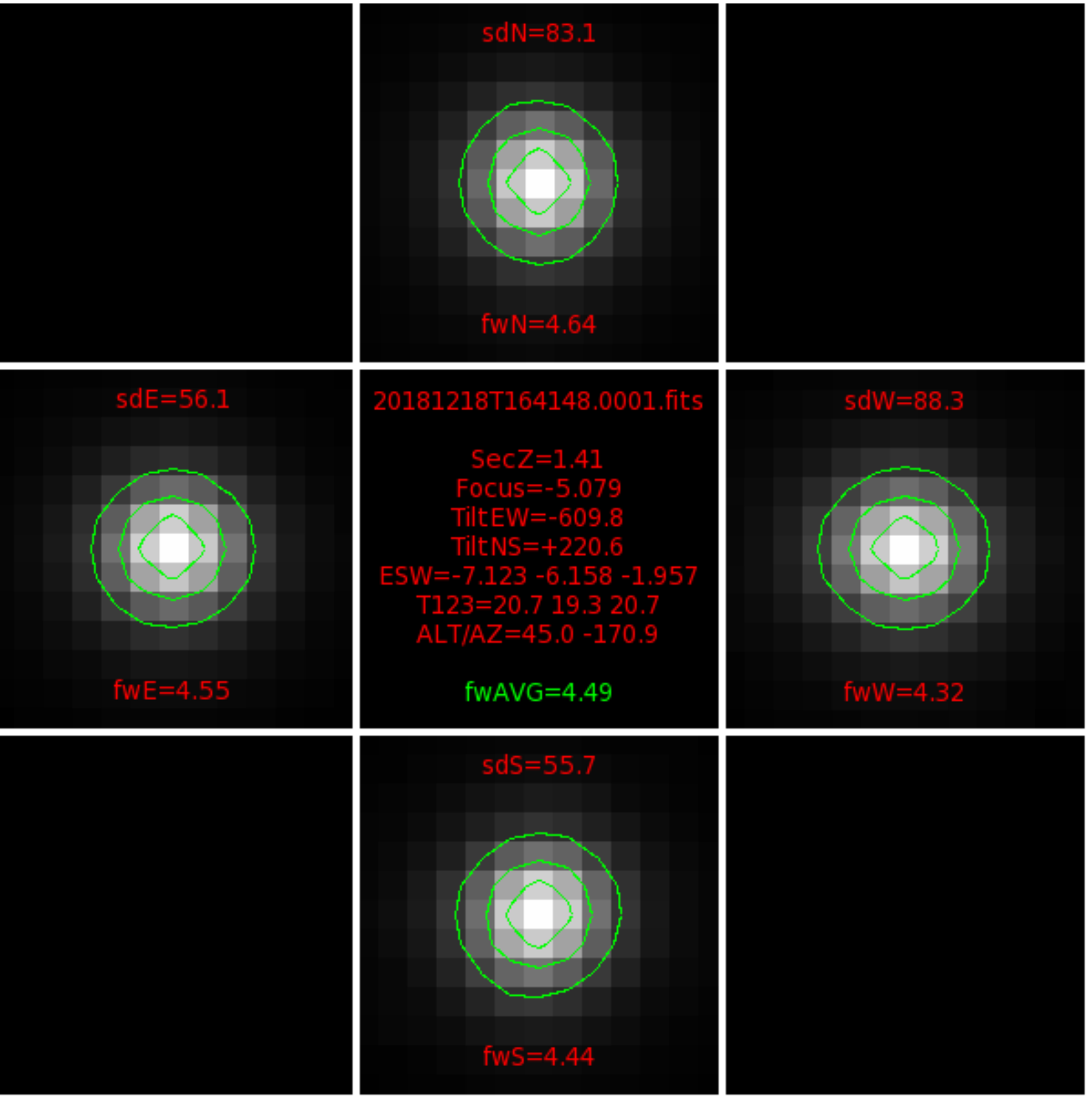
sdN=83.1
fwN=4.64
sdE=56.1
fwE=4.55
20181218T164148.0001.fits
SecZ=1.41
Focus=-5.079
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.123 -6.158 -1.957
T123=20.7 19.3 20.7
ALT/AZ=45.0 -170.9
fwAVG=4.49
sdW=88.3
fwW=4.32
sdS=55.7
fwS=4.44
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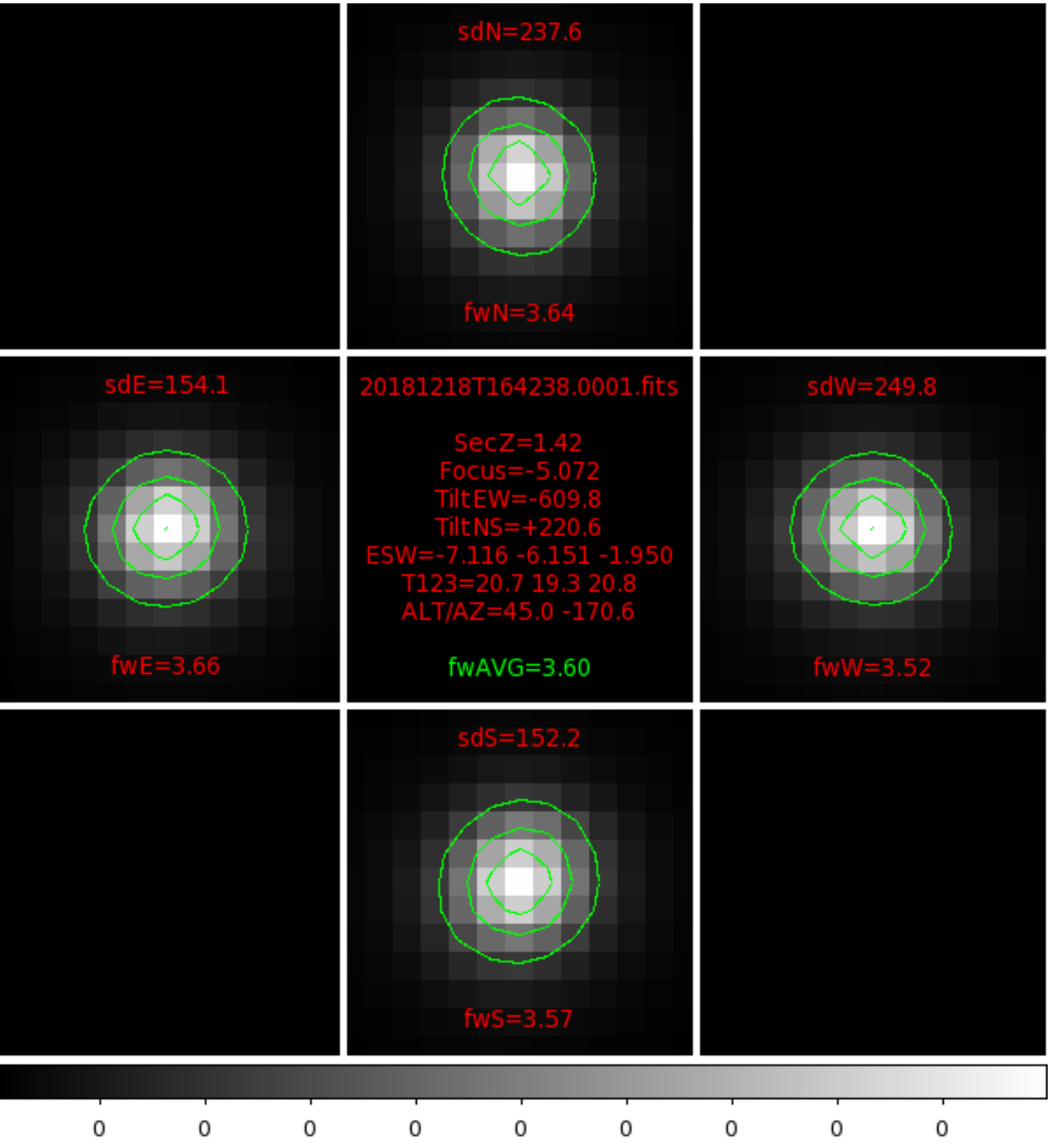
sdN=237.6
fwN=3.64
sdE=154.1
fwE=3.66
20181218T164238.0001.fits
SecZ=1.42
Focus=-5.072
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.116 -6.151 -1.950
T123=20.7 19.3 20.8
ALT/AZ=45.0 -170.6
fwAVG=3.60
sdW=249.8
fwW=3.52
sdS=152.2
fwS=3.57
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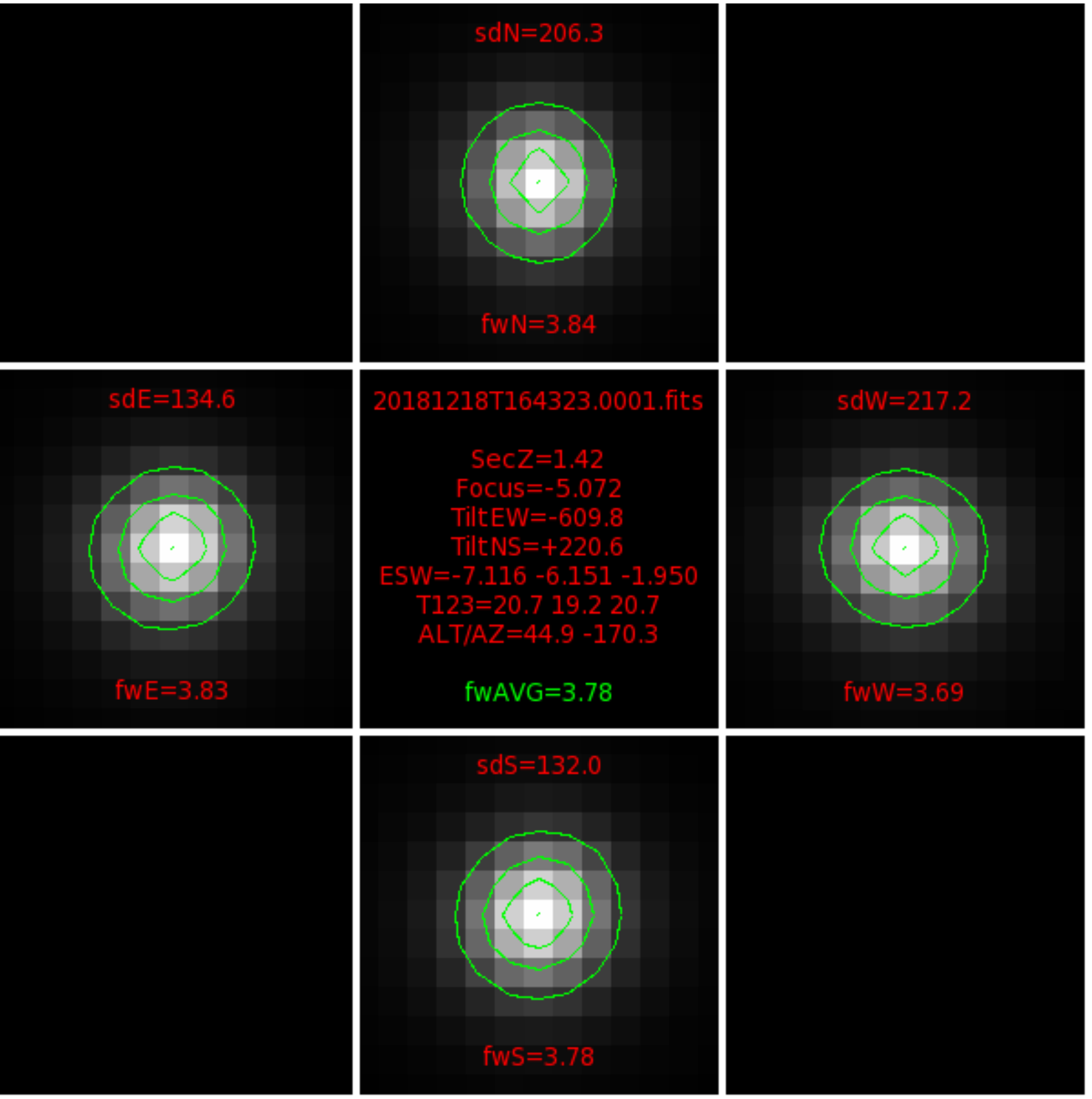
sdN=206.3
fwN=3.84
sdE=134.6
fwE=3.83
20181218T164323.0001.fits
SecZ=1.42
Focus=-5.072
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.116 -6.151 -1.950
T123=20.7 19.2 20.7
ALT/AZ=44.9 -170.3
fwAVG=3.78
sdW=217.2
fwW=3.69
sdS=132.0
fwS=3.78
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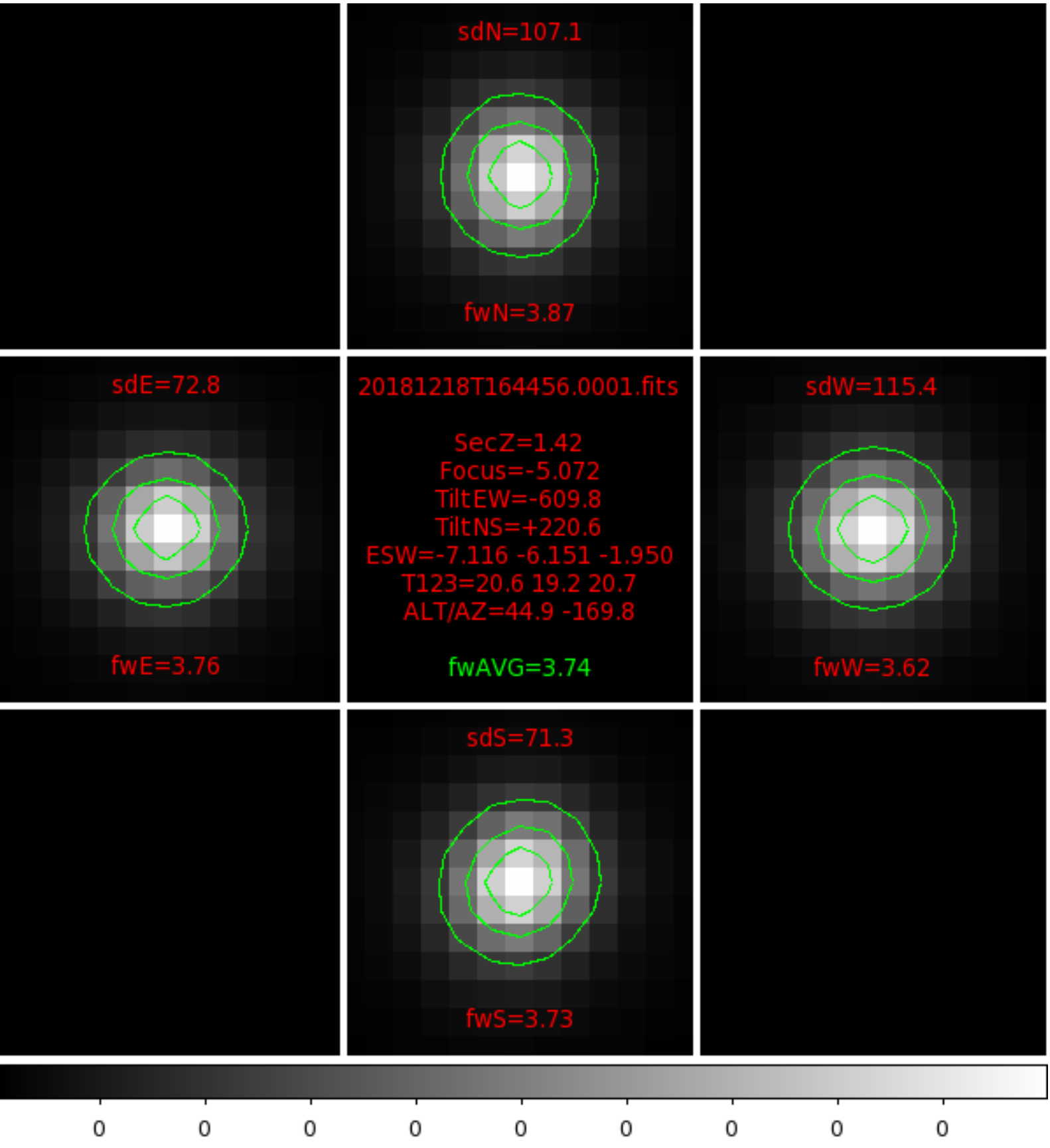
sdN=107.1
fwN=3.87
sdE=72.8
fwE=3.76
20181218T164456.0001.fits
SecZ=1.42
Focus=-5.072
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.116 -6.151 -1.950
T123=20.6 19.2 20.7
ALT/AZ=44.9 -169.8
fwAVG=3.74
sdW=115.4
fwW=3.62
sdS=71.3
fwS=3.73
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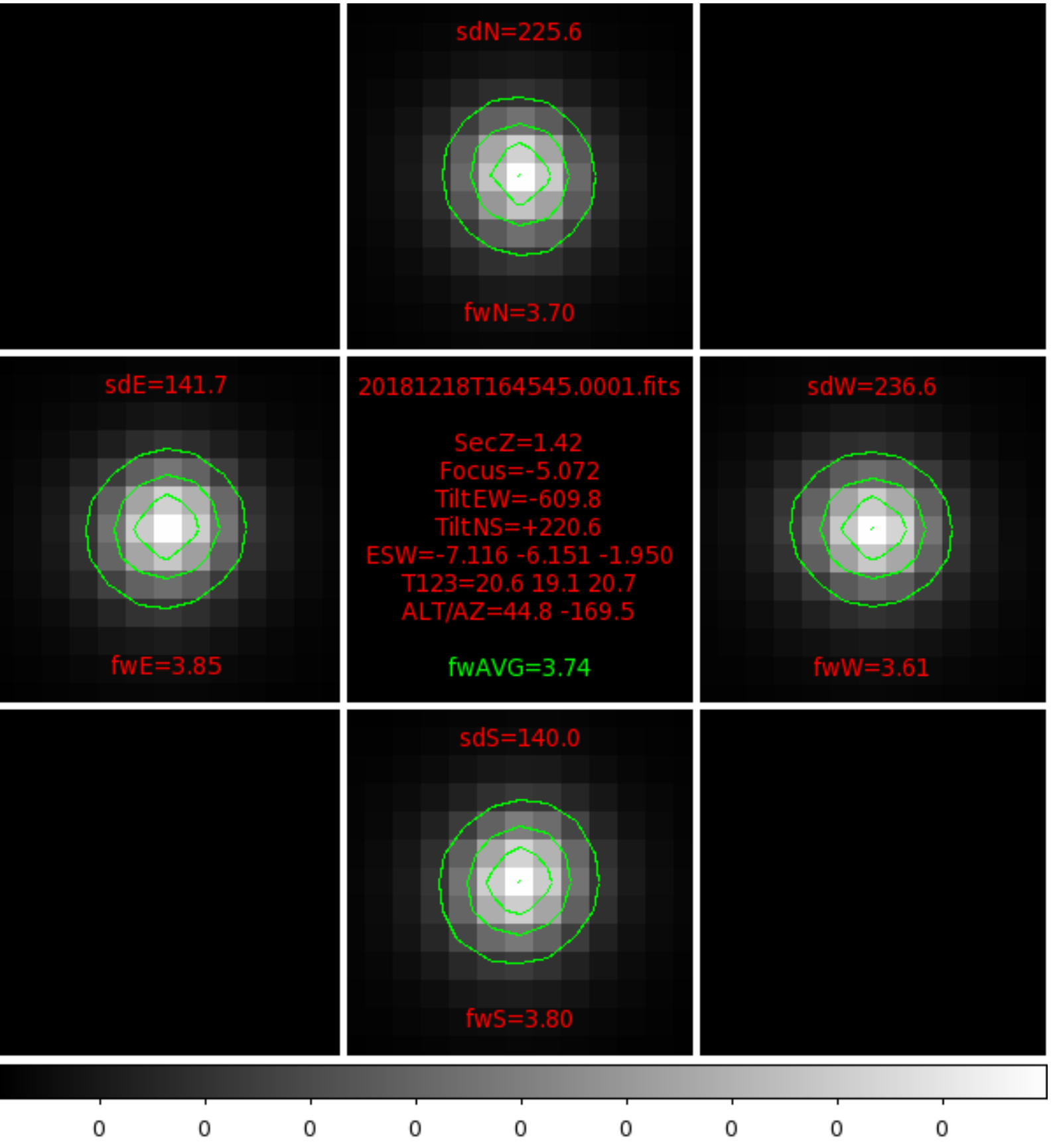
sdN=225.6
fwN=3.70
sdE=141.7
fwE=3.85
20181218T164545.0001.fits
SecZ=1.42
Focus=-5.072
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.116 -6.151 -1.950
T123=20.6 19.1 20.7
ALT/AZ=44.8 -169.5
fwAVG=3.74
sdW=236.6
fwW=3.61
sdS=140.0
fwS=3.80
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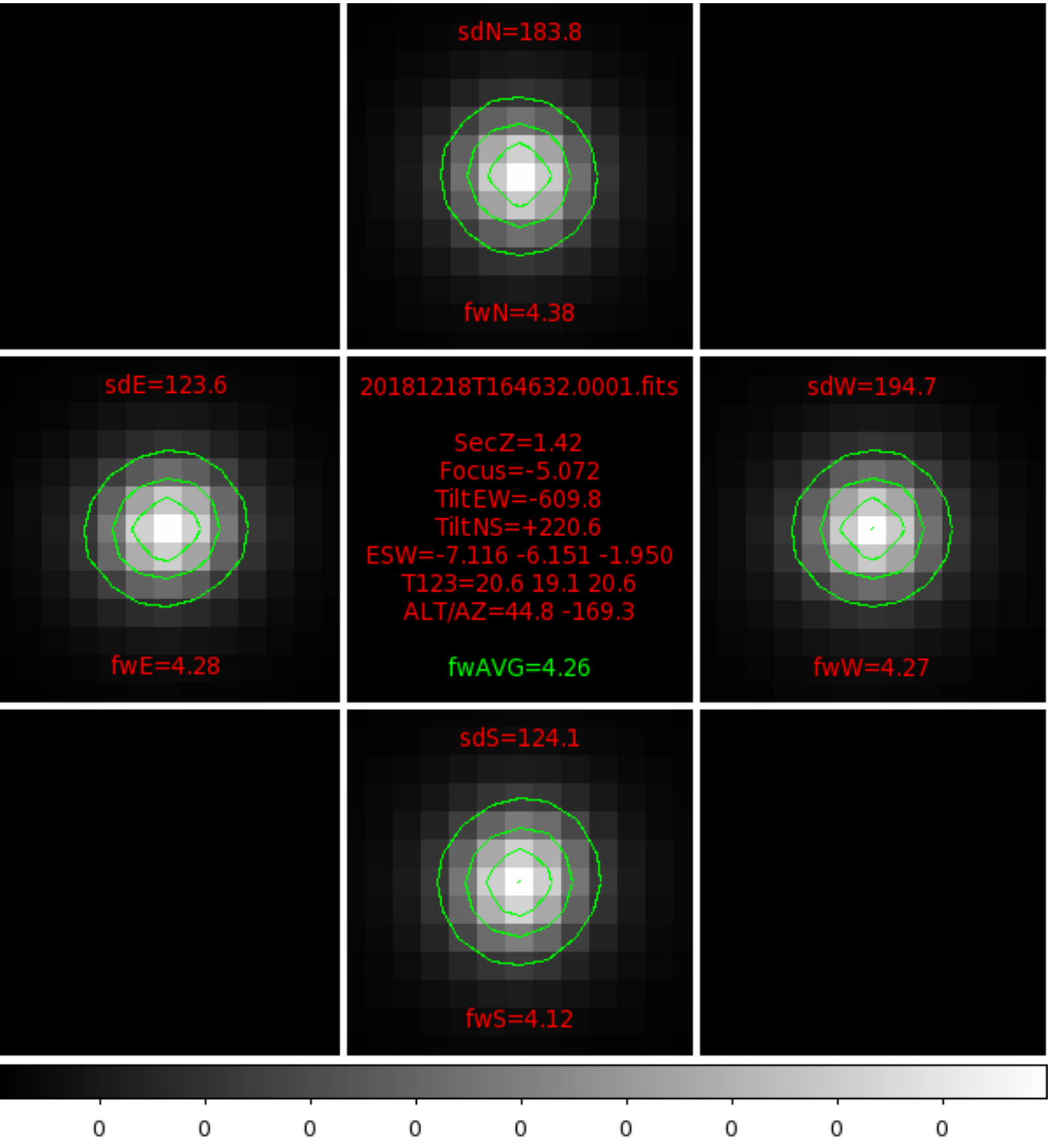
sdN=183.8
fwN=4.38
sdE=123.6
fwE=4.28
20181218T164632.0001.fits
SecZ=1.42
Focus=-5.072
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.116 -6.151 -1.950
T123=20.6 19.1 20.6
ALT/AZ=44.8 -169.3
fwAVG=4.26
sdW=194.7
fwW=4.27
sdS=124.1
fwS=4.12
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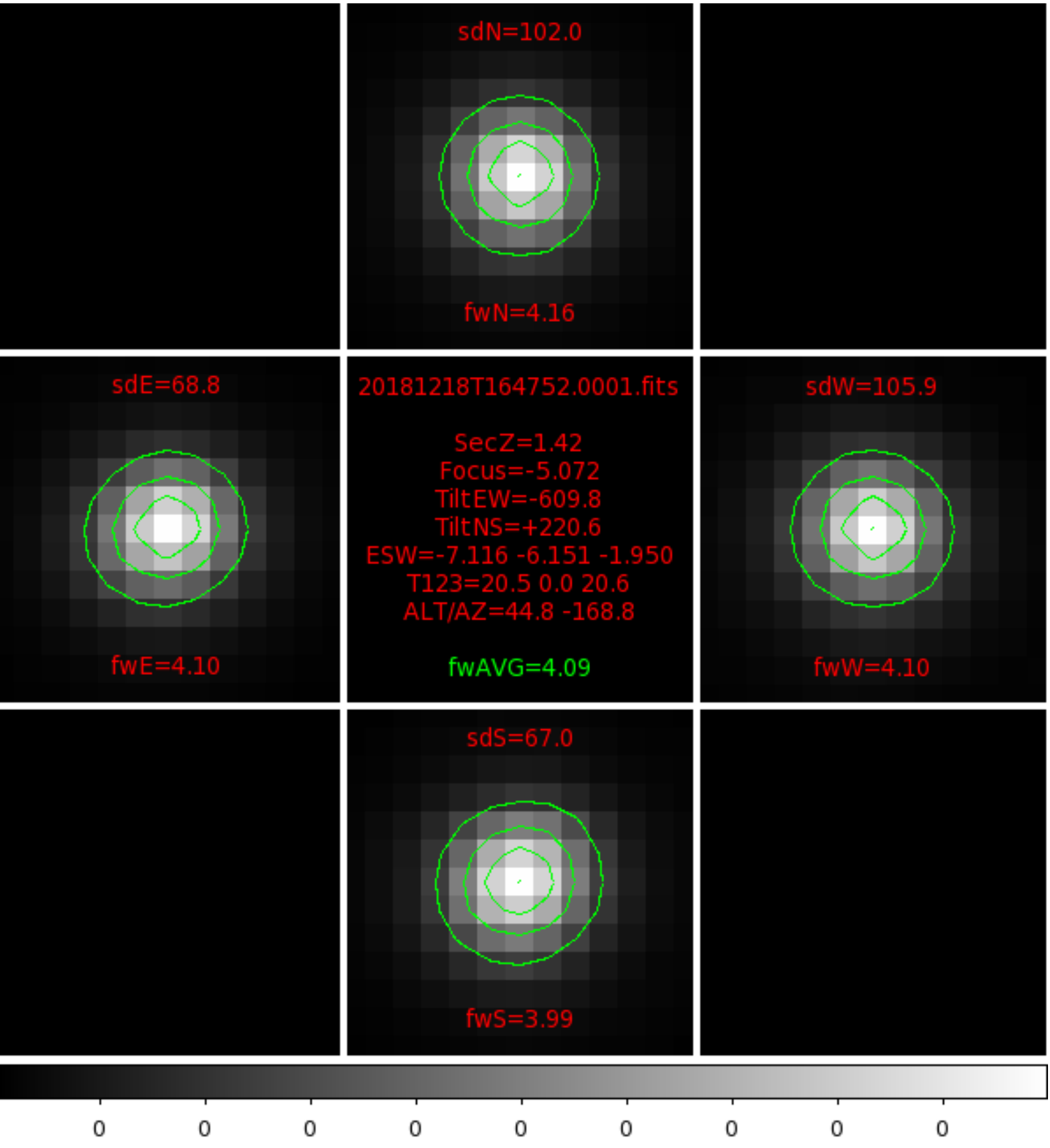
sdN=102.0
fwN=4.16
sdE=68.8
fwE=4.10
20181218T164752.0001.fits
SecZ=1.42
Focus=-5.072
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.116 -6.151 -1.950
T123=20.5 0.0 20.6
ALT/AZ=44.8 -168.8
fwAVG=4.09
sdW=105.9
fwW=4.10
sdS=67.0
fwS=3.99
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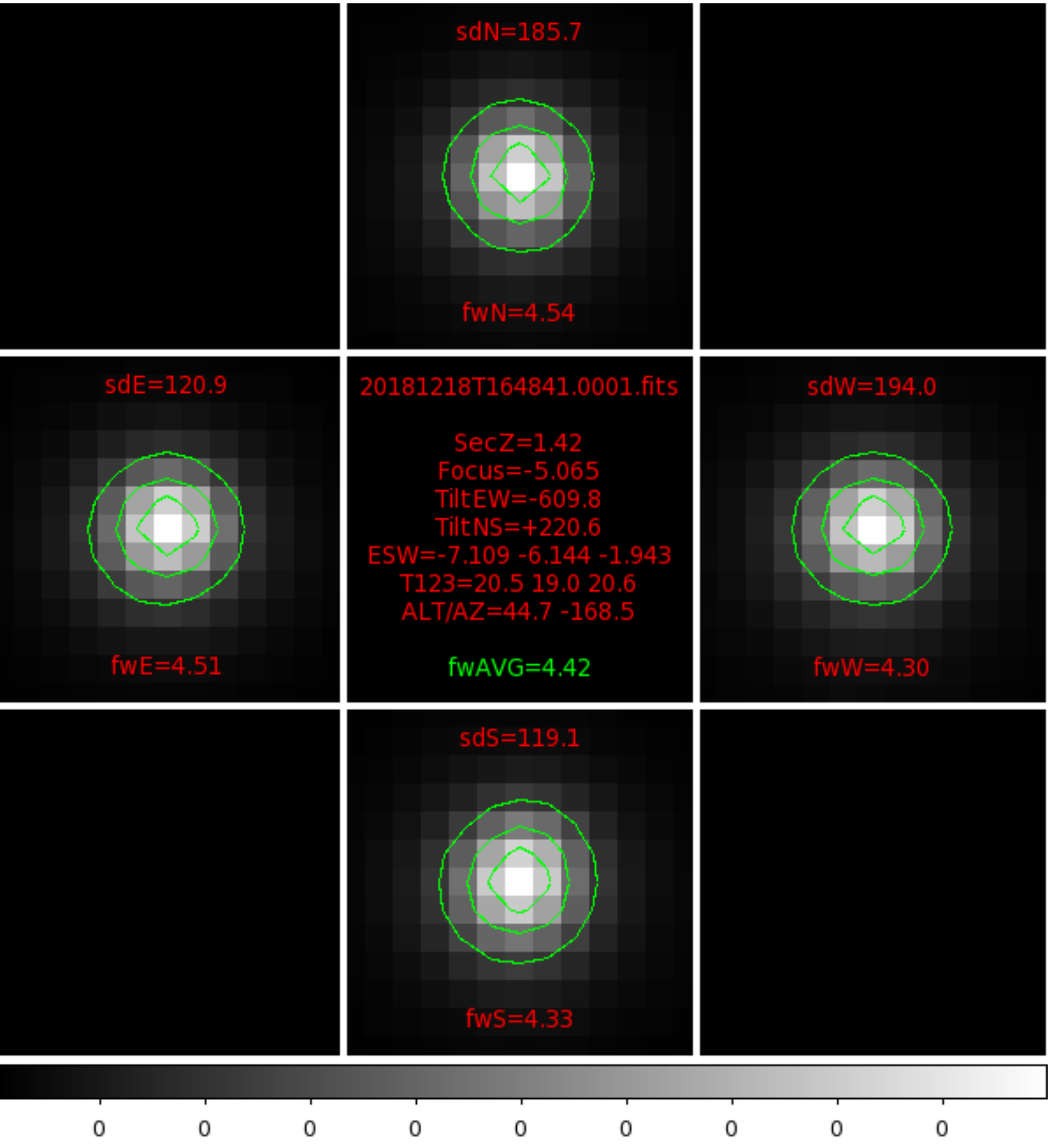
sdN=185.7
fwN=4.54
sdE=120.9
fwE=4.51
20181218T164841.0001.fits
SecZ=1.42
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.5 19.0 20.6
ALT/AZ=44.7 -168.5
fwAVG=4.42
sdW=194.0
fwW=4.30
sdS=119.1
fwS=4.33
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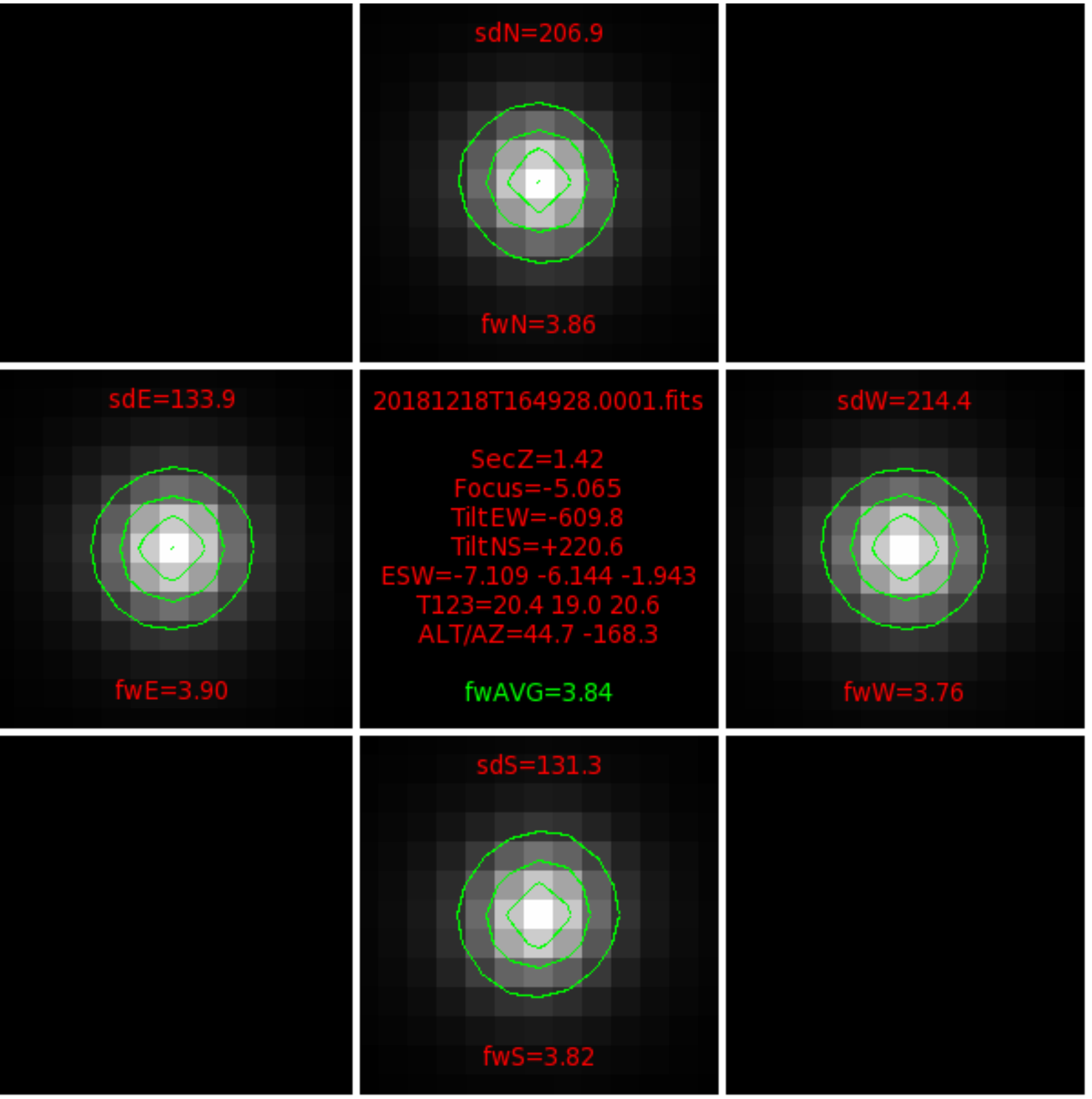
sdN=206.9
fwN=3.86
sdE=133.9
fwE=3.90
20181218T164928.0001.fits
SecZ=1.42
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.4 19.0 20.6
ALT/AZ=44.7 -168.3
fwAVG=3.84
sdW=214.4
fwW=3.76
sdS=131.3
fwS=3.82
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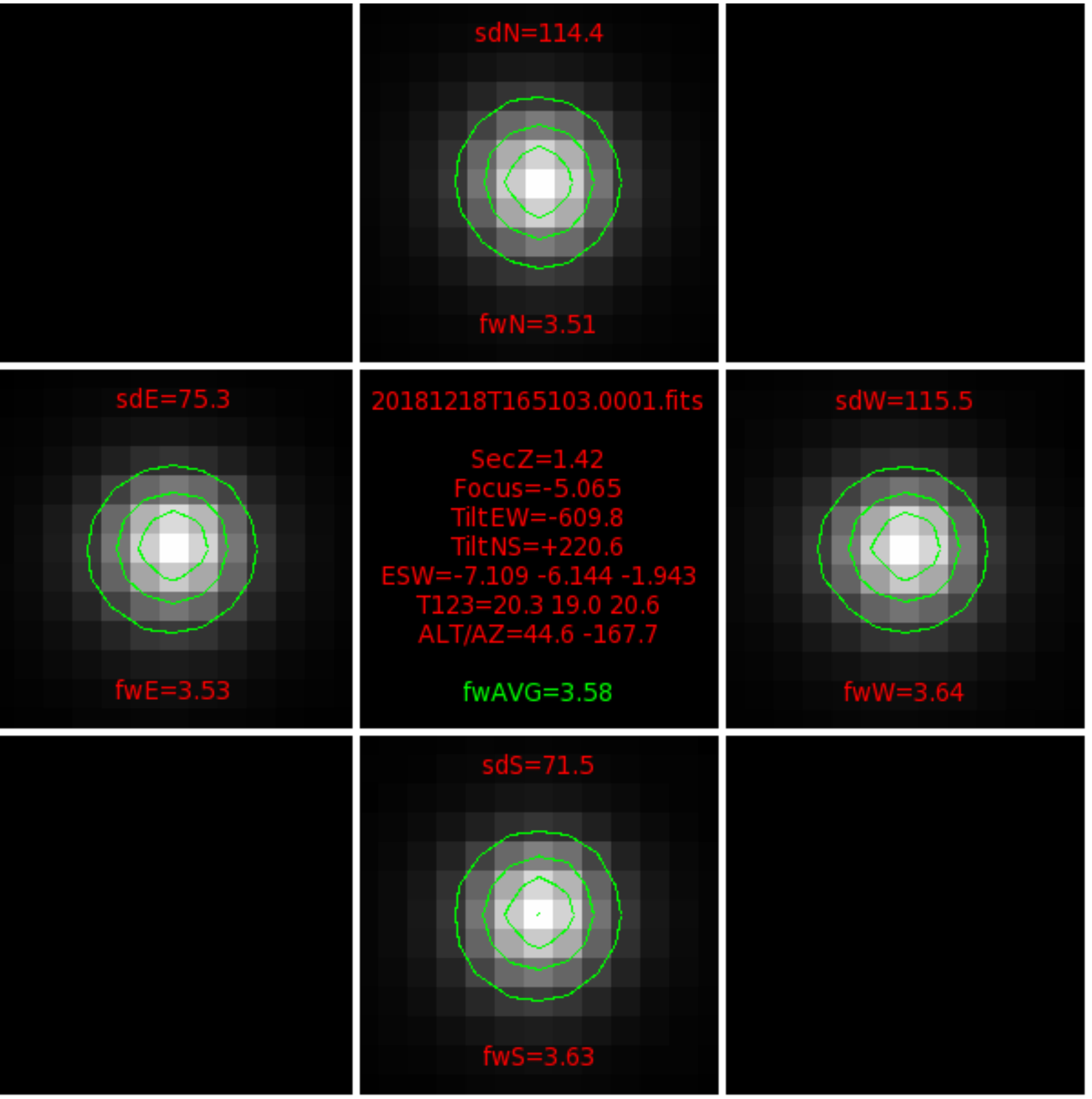
sdN=114.4
fwN=3.51
sdE=75.3
fwE=3.53
20181218T165103.0001.fits
SecZ=1.42
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.3 19.0 20.6
ALT/AZ=44.6 -167.7
fwAVG=3.58
sdW=115.5
fwW=3.64
sdS=71.5
fwS=3.63
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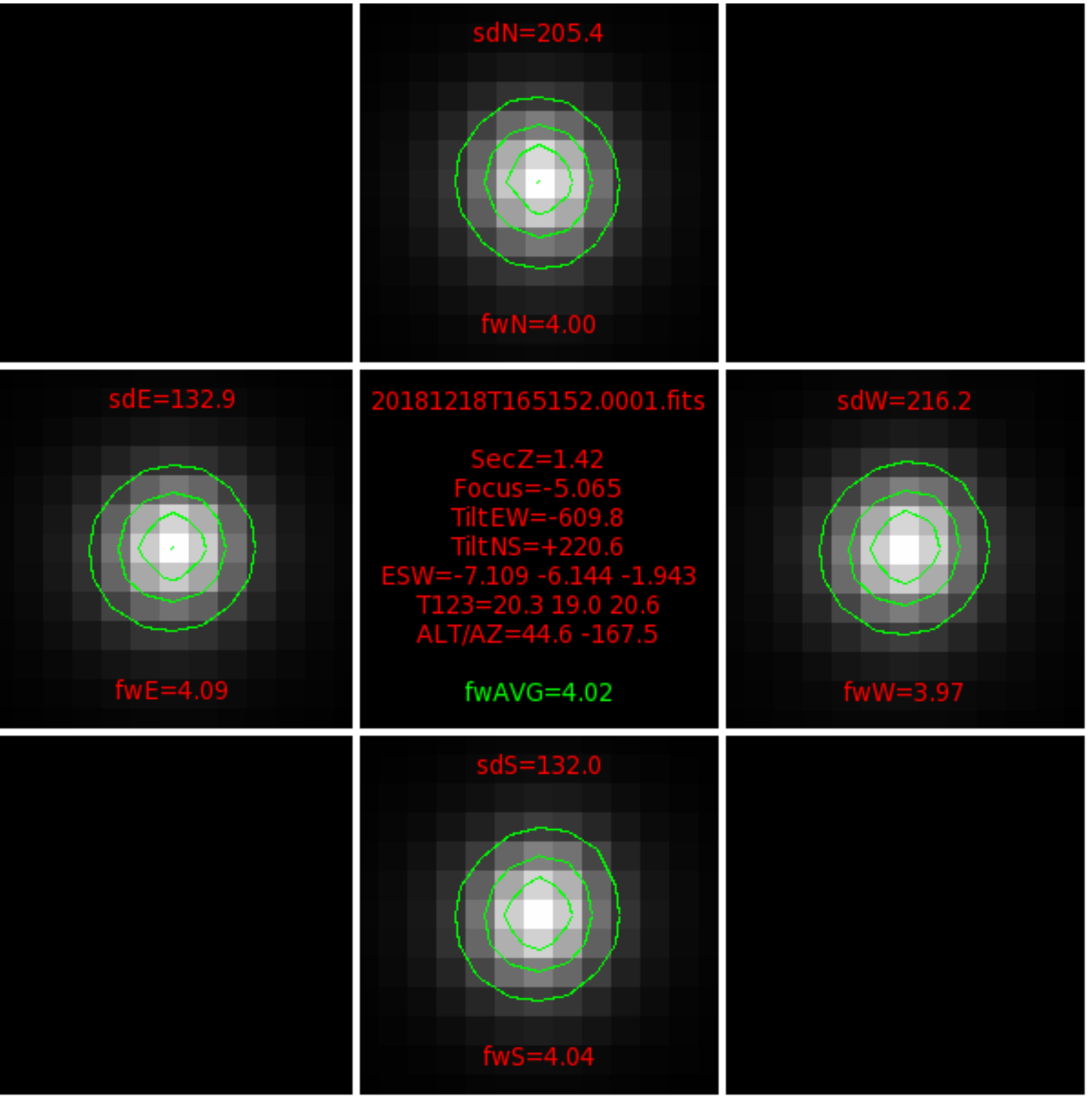
sdN=205.4
fwN=4.00
sdE=132.9
fwE=4.09
20181218T165152.0001.fits
SecZ=1.42
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.3 19.0 20.6
ALT/AZ=44.6 -167.5
fwAVG=4.02
sdW=216.2
fwW=3.97
sdS=132.0
fwS=4.04
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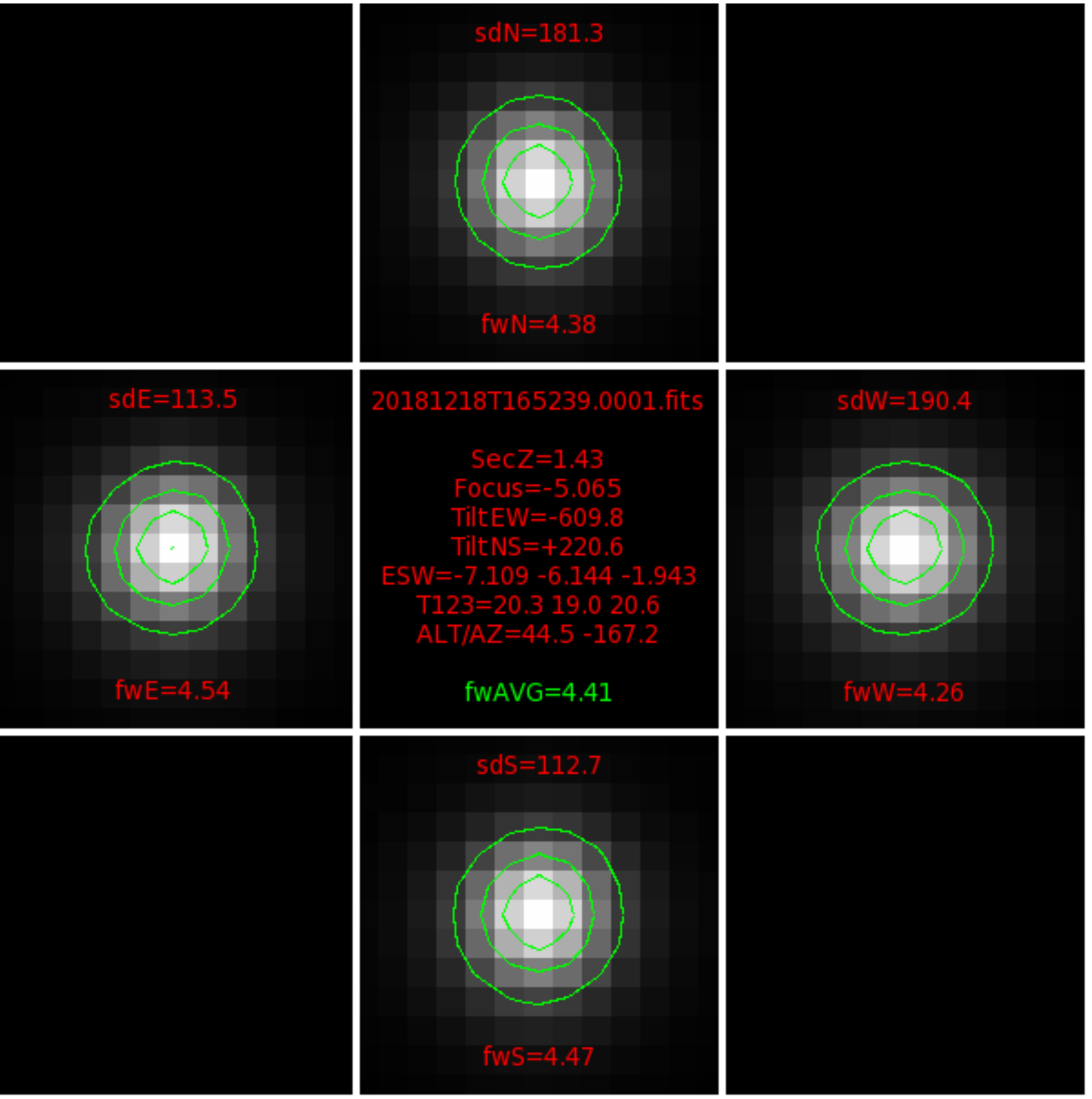
sdN=181.3
fwN=4.38
sdE=113.5
fwE=4.54
20181218T165239.0001.fits
SecZ=1.43
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.3 19.0 20.6
ALT/AZ=44.5 -167.2
fwAVG=4.41
sdW=190.4
fwW=4.26
sdS=112.7
fwS=4.47
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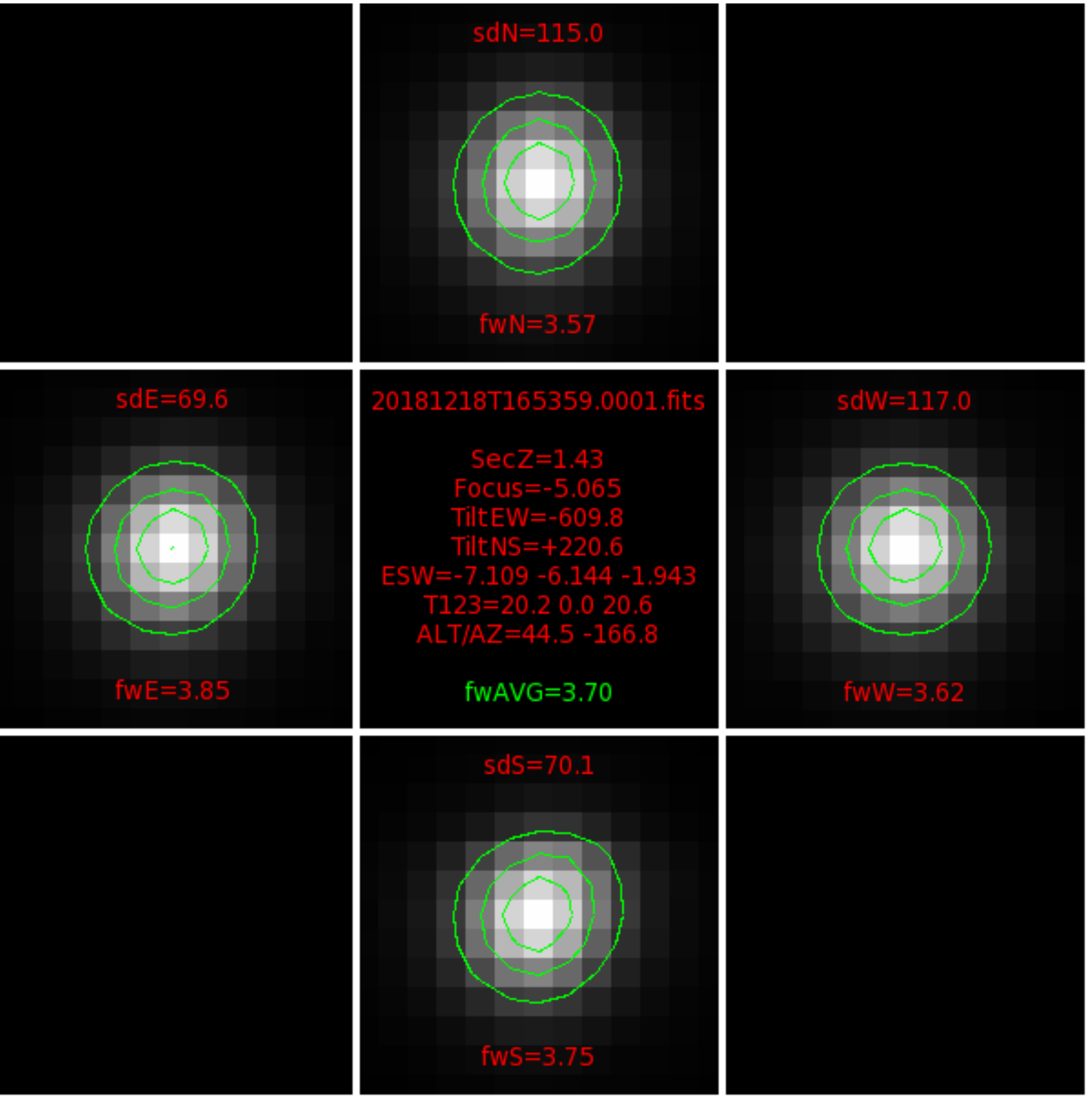
sdN=115.0
fwN=3.57
sdE=69.6
fwE=3.85
20181218T165359.0001.fits
SecZ=1.43
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.2 0.0 20.6
ALT/AZ=44.5 -166.8
fwAVG=3.70
sdW=117.0
fwW=3.62
sdS=70.1
fwS=3.75
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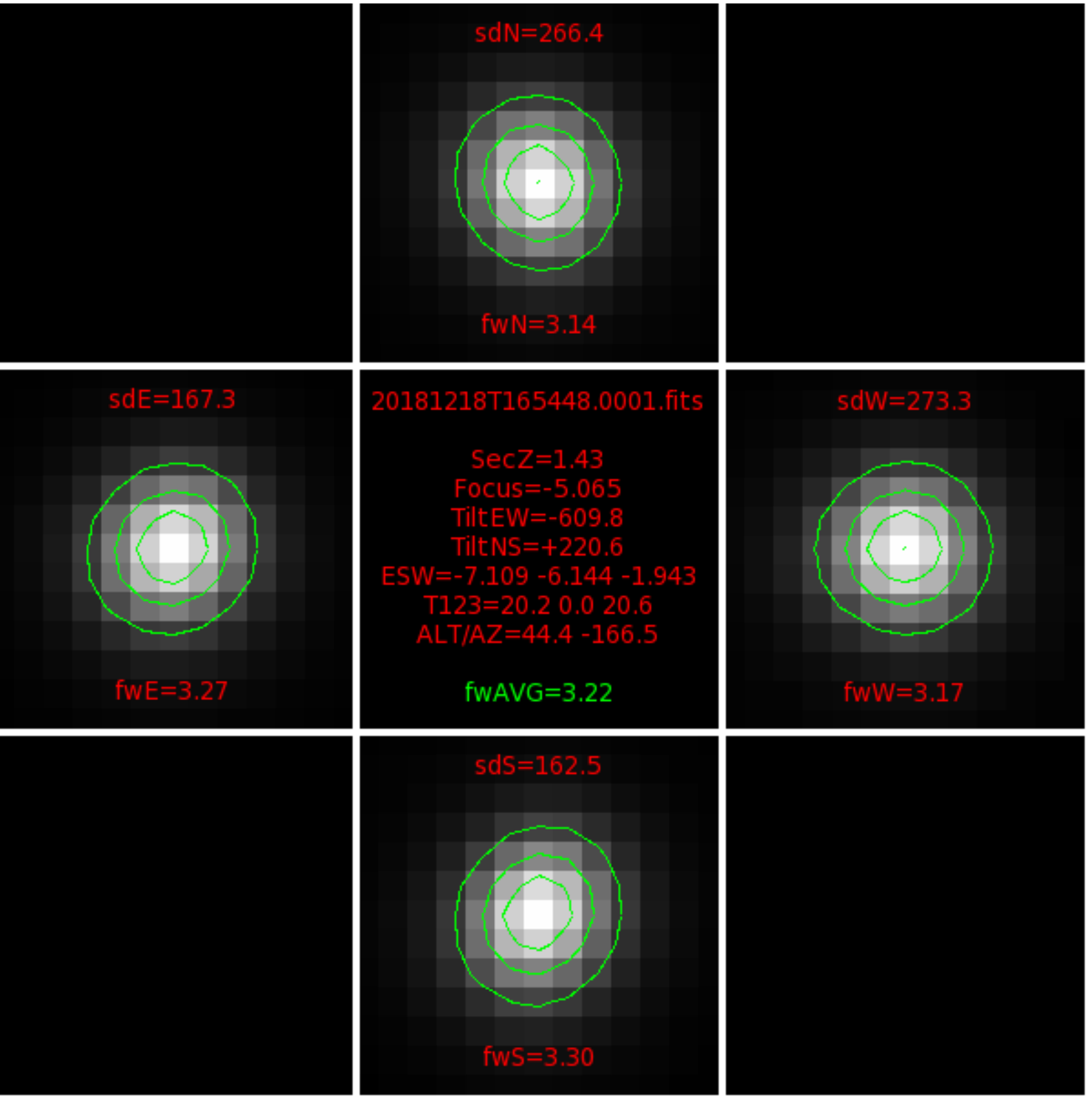
sdN=266.4
fwN=3.14
sdE=167.3
fwE=3.27
20181218T165448.0001.fits
SecZ=1.43
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.2 0.0 20.6
ALT/AZ=44.4 -166.5
fwAVG=3.22
sdW=273.3
fwW=3.17
sdS=162.5
fwS=3.30
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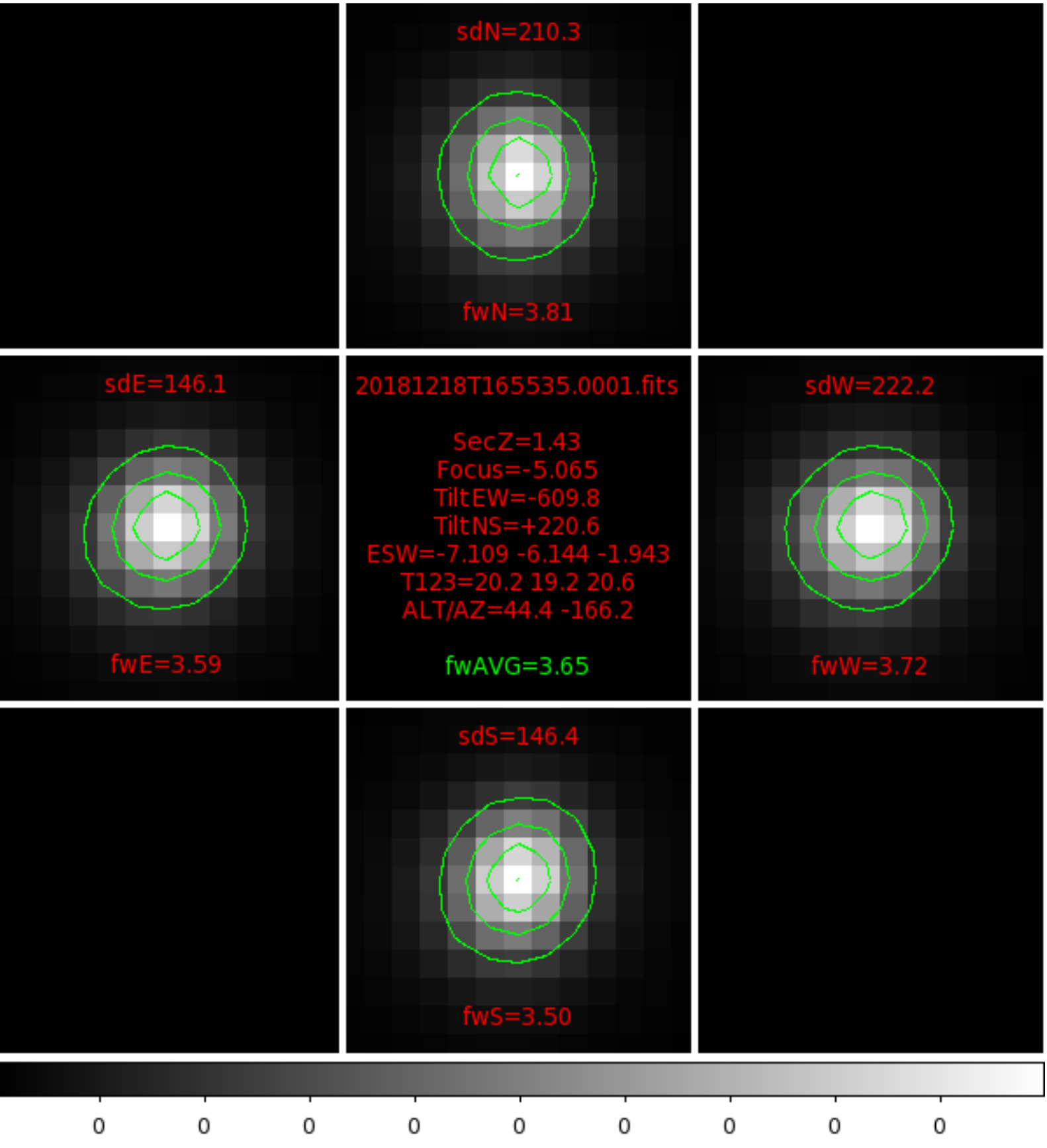
sdN=210.3
fwN=3.81
sdE=146.1
fwE=3.59
20181218T165535.0001.fits
SecZ=1.43
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.2 19.2 20.6
ALT/AZ=44.4 -166.2
fwAVG=3.65
sdW=222.2
fwW=3.72
sdS=146.4
fwS=3.50
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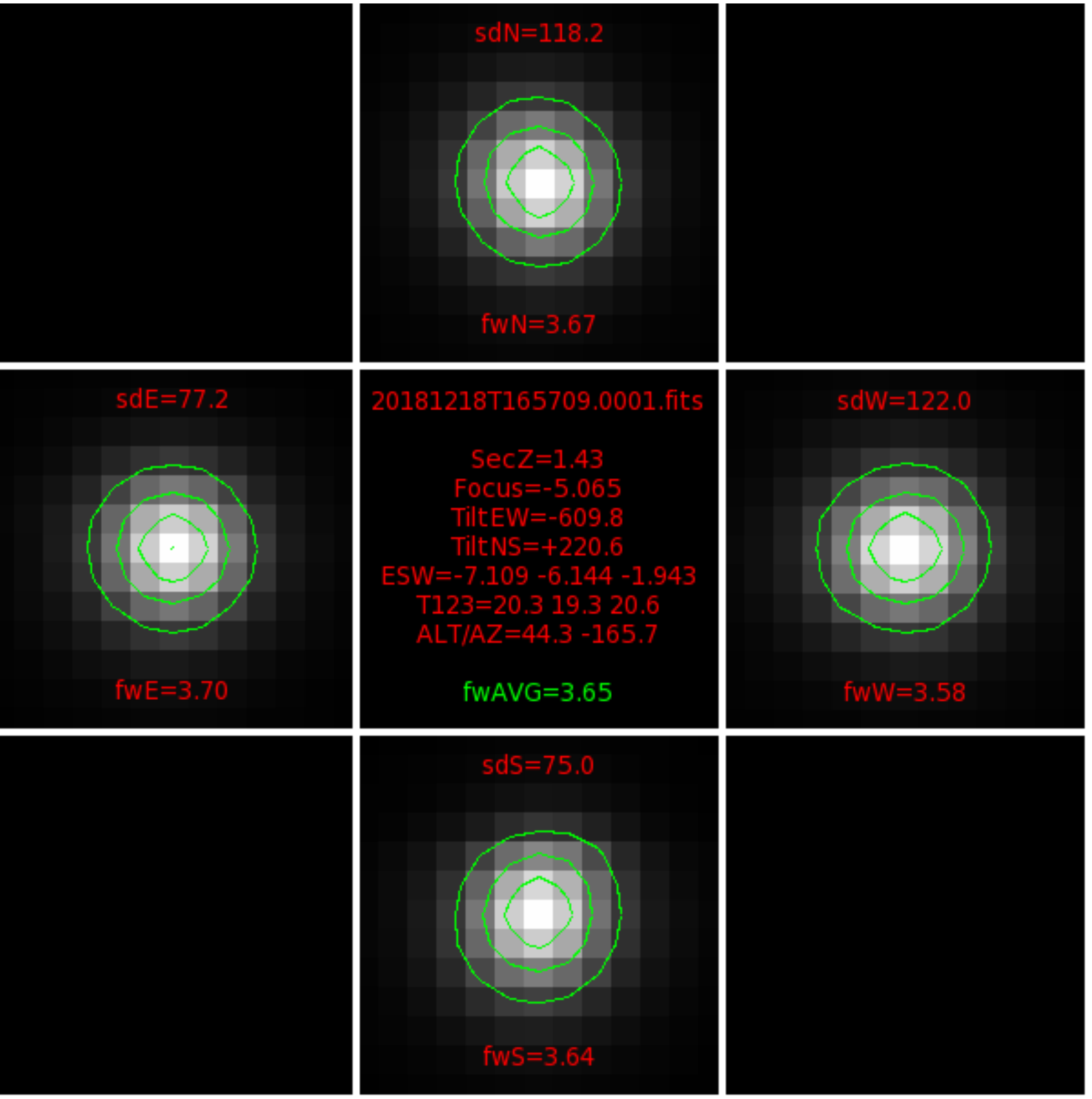
sdN=118.2
fwN=3.67
sdE=77.2
fwE=3.70
20181218T165709.0001.fits
SecZ=1.43
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.3 19.3 20.6
ALT/AZ=44.3 -165.7
fwAVG=3.65
sdW=122.0
fwW=3.58
sdS=75.0
fwS=3.64
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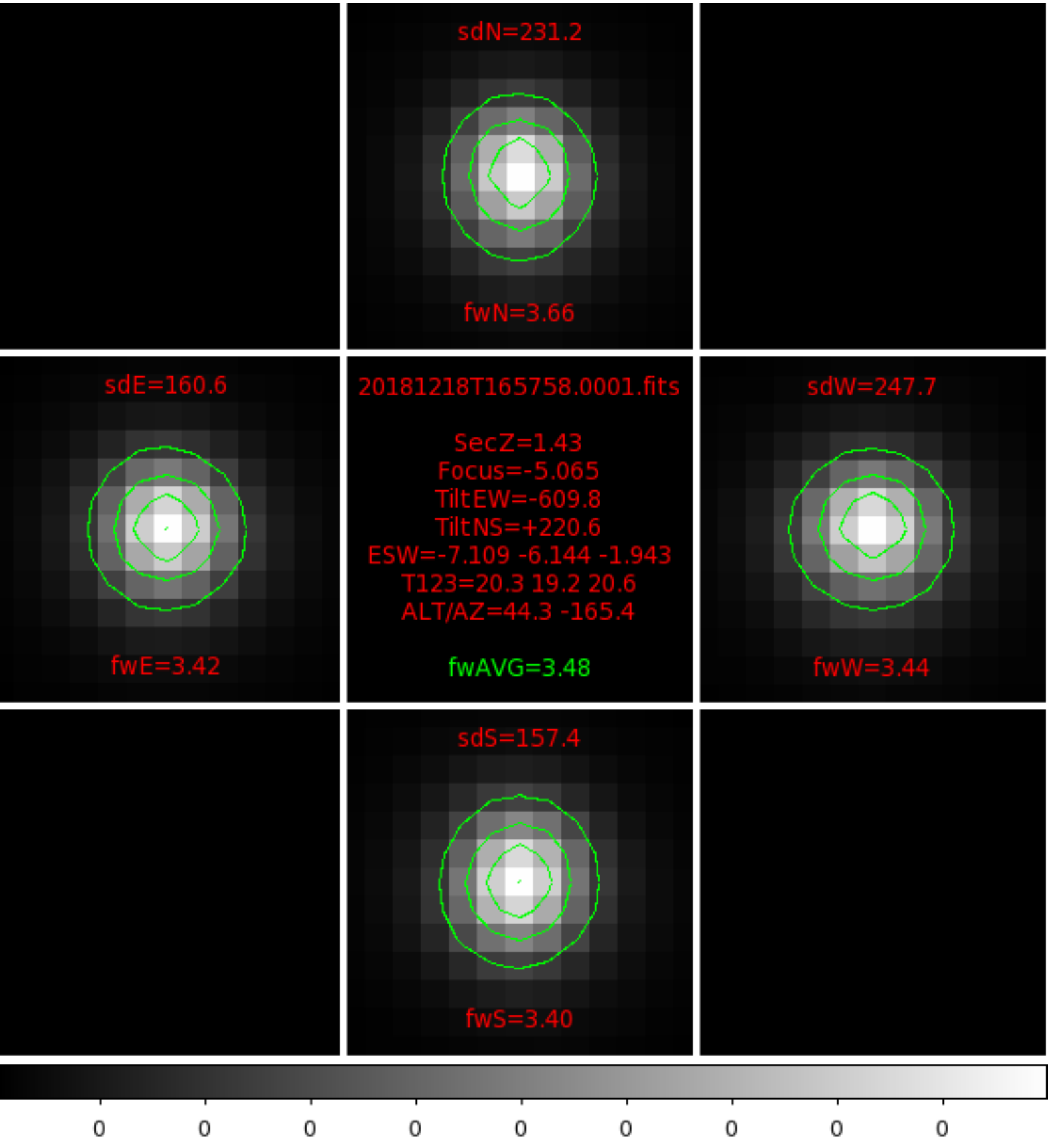
sdN=231.2
fwN=3.66
sdE=160.6
fwE=3.42
20181218T165758.0001.fits
SecZ=1.43
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.3 19.2 20.6
ALT/AZ=44.3 -165.4
fwAVG=3.48
sdW=247.7
fwW=3.44
sdS=157.4
fwS=3.40
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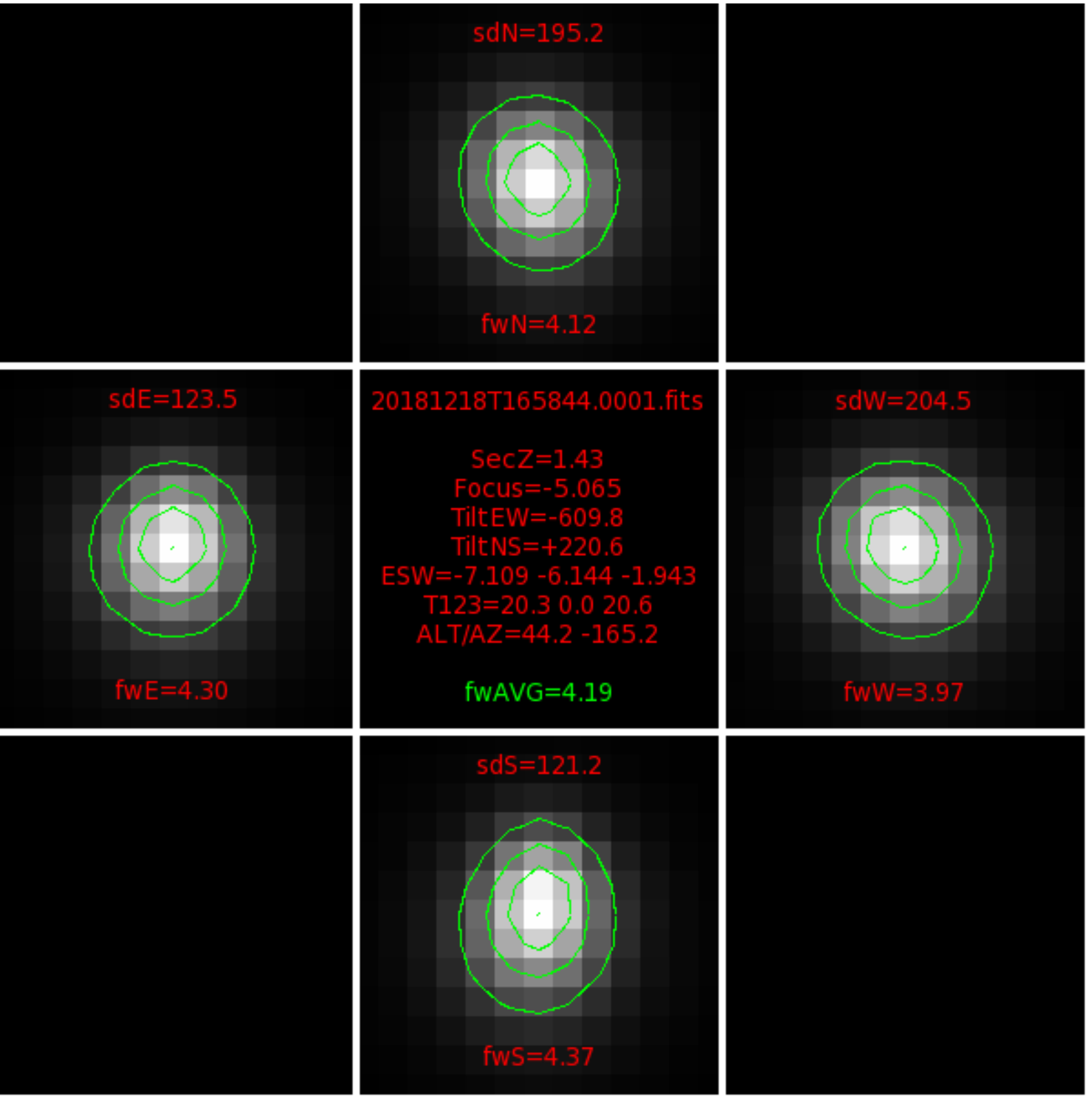
sdN=195.2
fwN=4.12
sdE=123.5
fwE=4.30
20181218T165844.0001.fits
SecZ=1.43
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.3 0.0 20.6
ALT/AZ=44.2 -165.2
fwAVG=4.19
sdW=204.5
fwW=3.97
sdS=121.2
fwS=4.37
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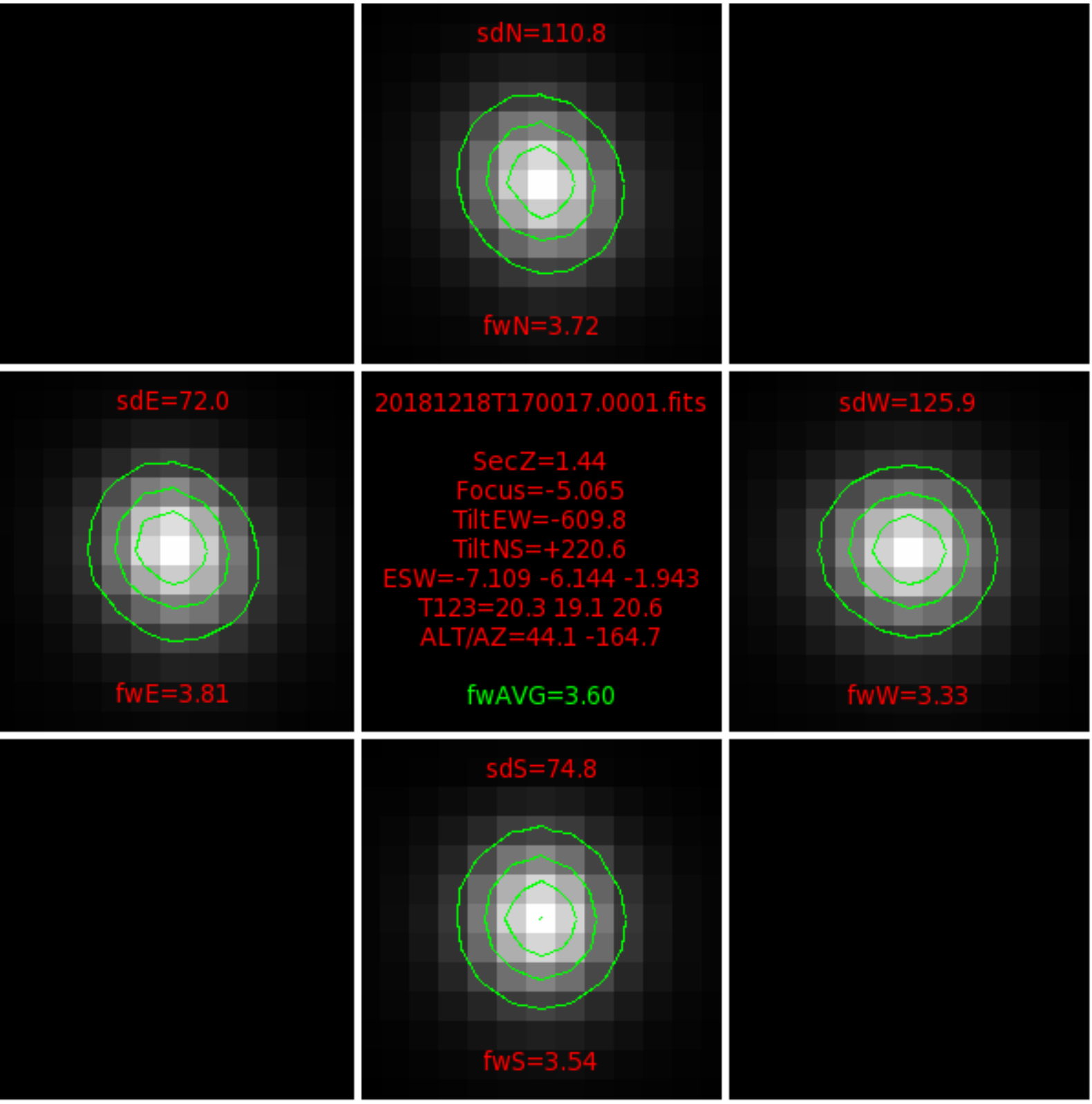
sdN=110.8
fwN=3.72
sdE=72.0
fwE=3.81
20181218T170017.0001.fits
SecZ=1.44
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.3 19.1 20.6
ALT/AZ=44.1 -164.7
fwAVG=3.60
sdW=125.9
fwW=3.33
sdS=74.8
fwS=3.54
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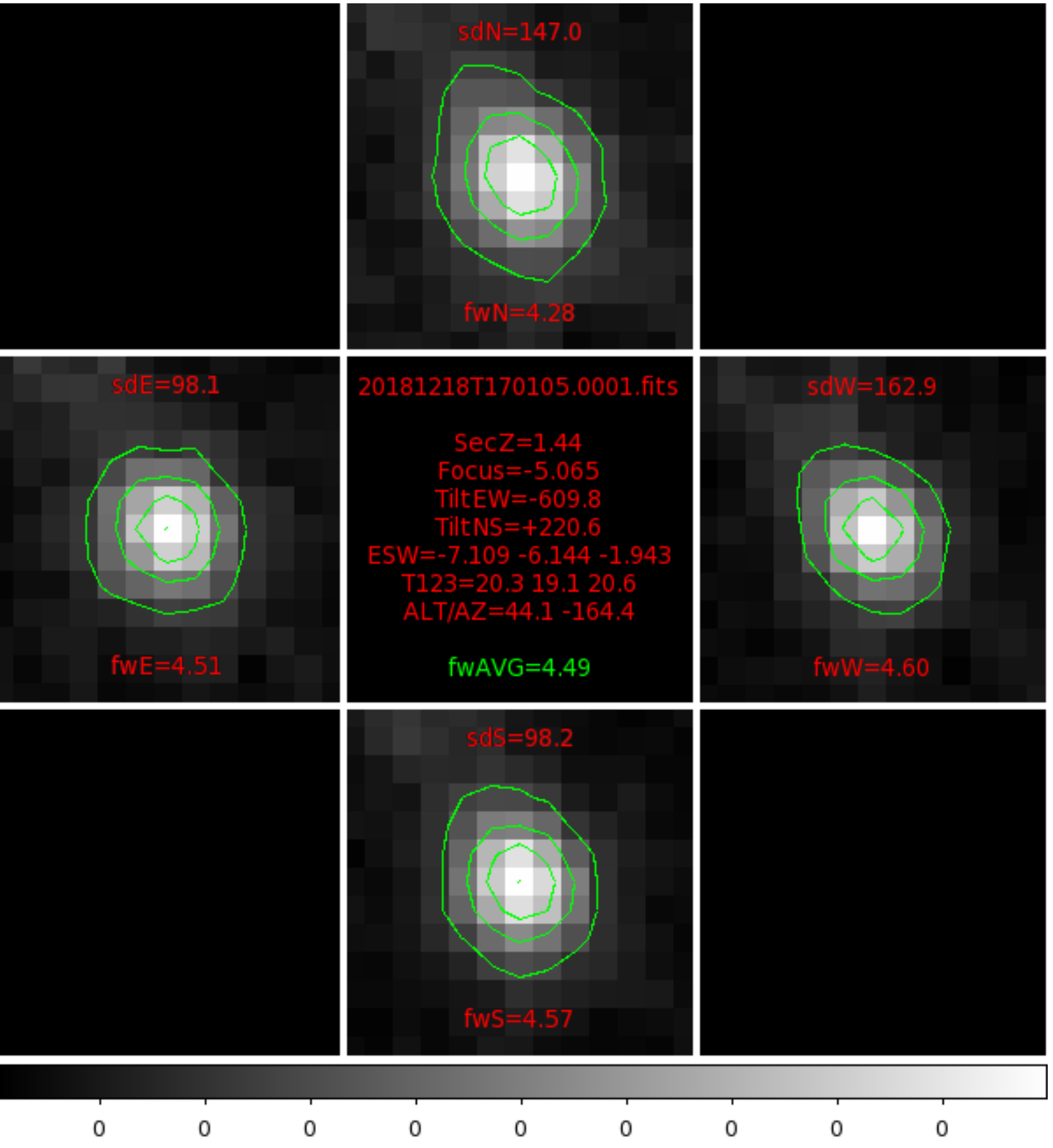
sdN=147.0
fwN=4.28
sdE=98.1
fwE=4.51
20181218T170105.0001.fits
SecZ=1.44
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.3 19.1 20.6
ALT/AZ=44.1 -164.4
fwAVG=4.49
sdW=162.9
fwW=4.60
sdS=98.2
fwS=4.57
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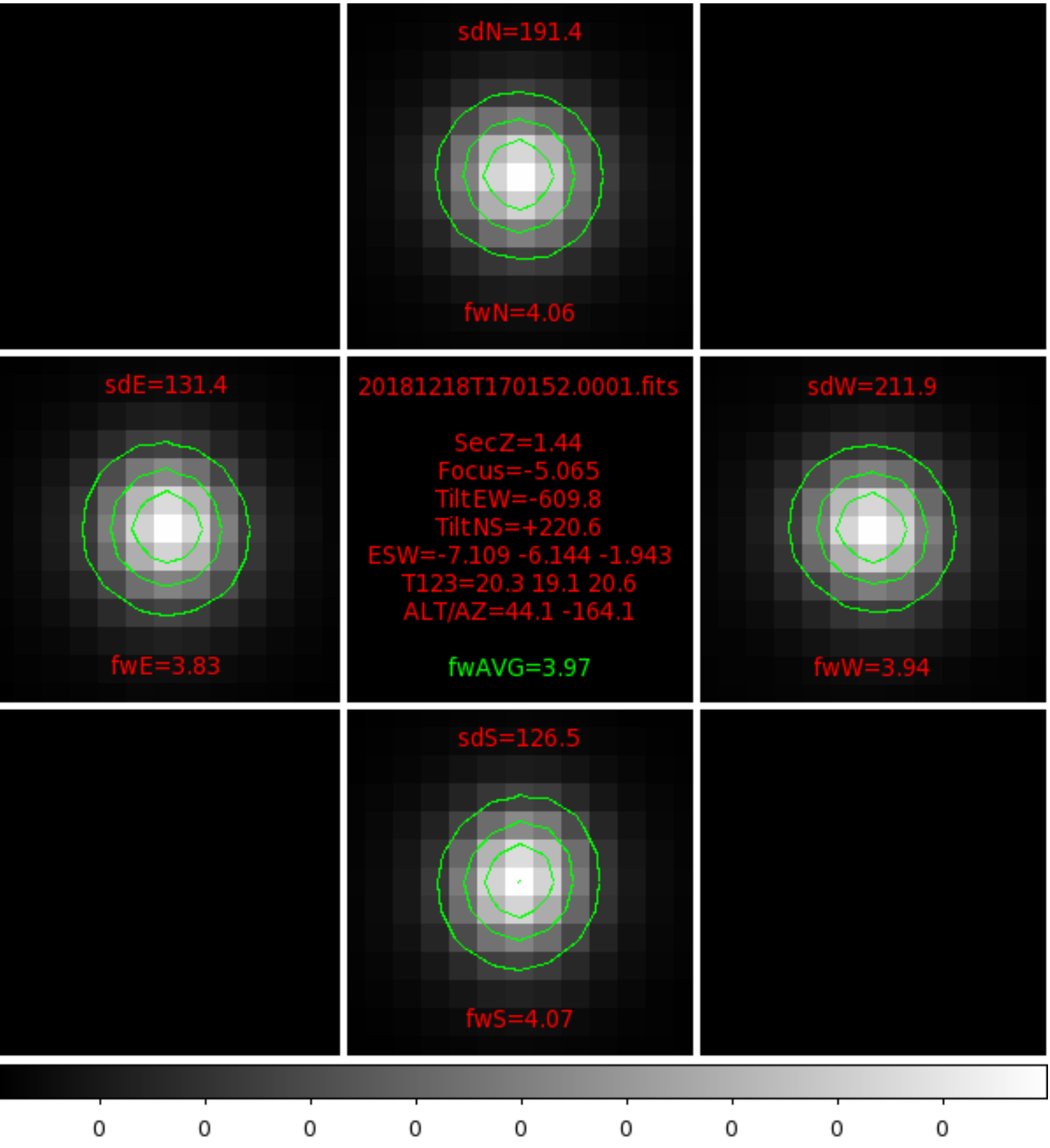
sdN=191.4
fwN=4.06
sdE=131.4
fwE=3.83
20181218T170152.0001.fits
SecZ=1.44
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.3 19.1 20.6
ALT/AZ=44.1 -164.1
fwAVG=3.97
sdW=211.9
fwW=3.94
sdS=126.5
fwS=4.07
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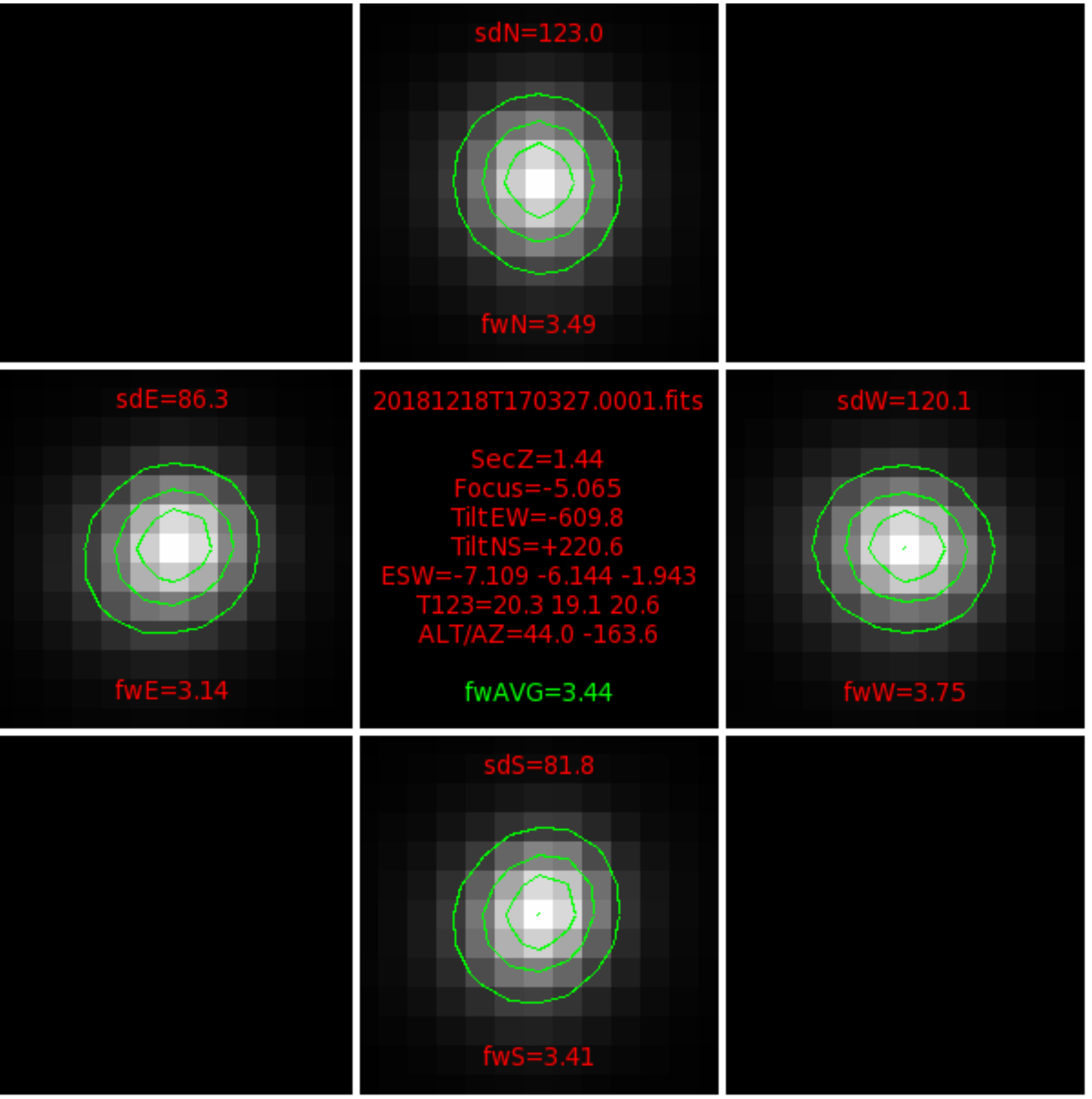
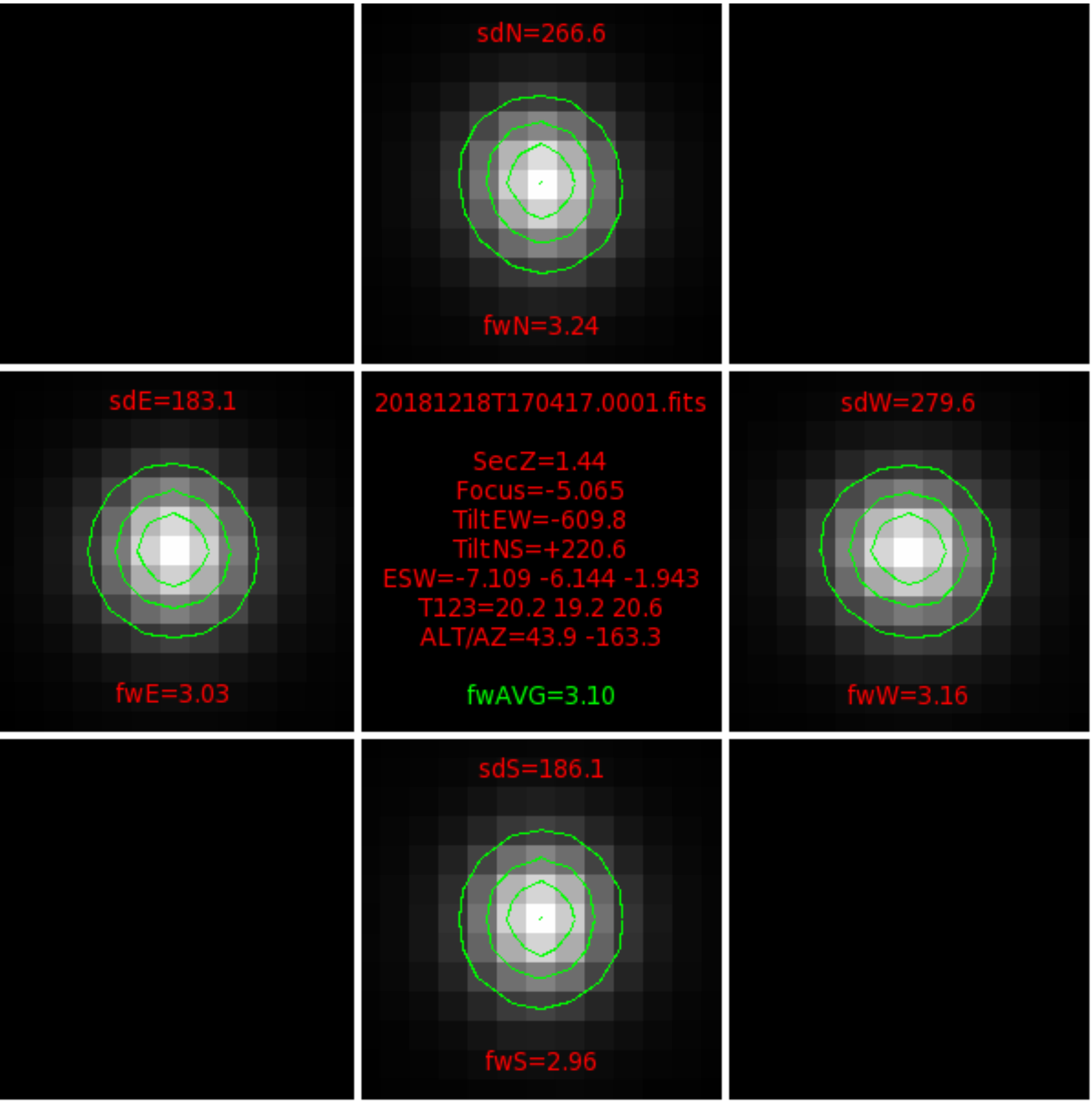

sdN=123.0
fwN=3.49
sdE=86.3
fwE=3.14
20181218T170327.0001.fits
SecZ=1.44
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.3 19.1 20.6
ALT/AZ=44.0 -163.6
fwAVG=3.44
sdW=120.1
fwW=3.75
sdS=81.8
fwS=3.41
0 0 0 0 0 0 0 0 0


sdN=266.6
fwN=3.24
sdE=183.1
fwE=3.03
20181218T170417.0001.fits
SecZ=1.44
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.2 19.2 20.6
ALT/AZ=43.9 -163.3
fwAVG=3.10
sdW=279.6
fwW=3.16
sdS=186.1
fwS=2.96
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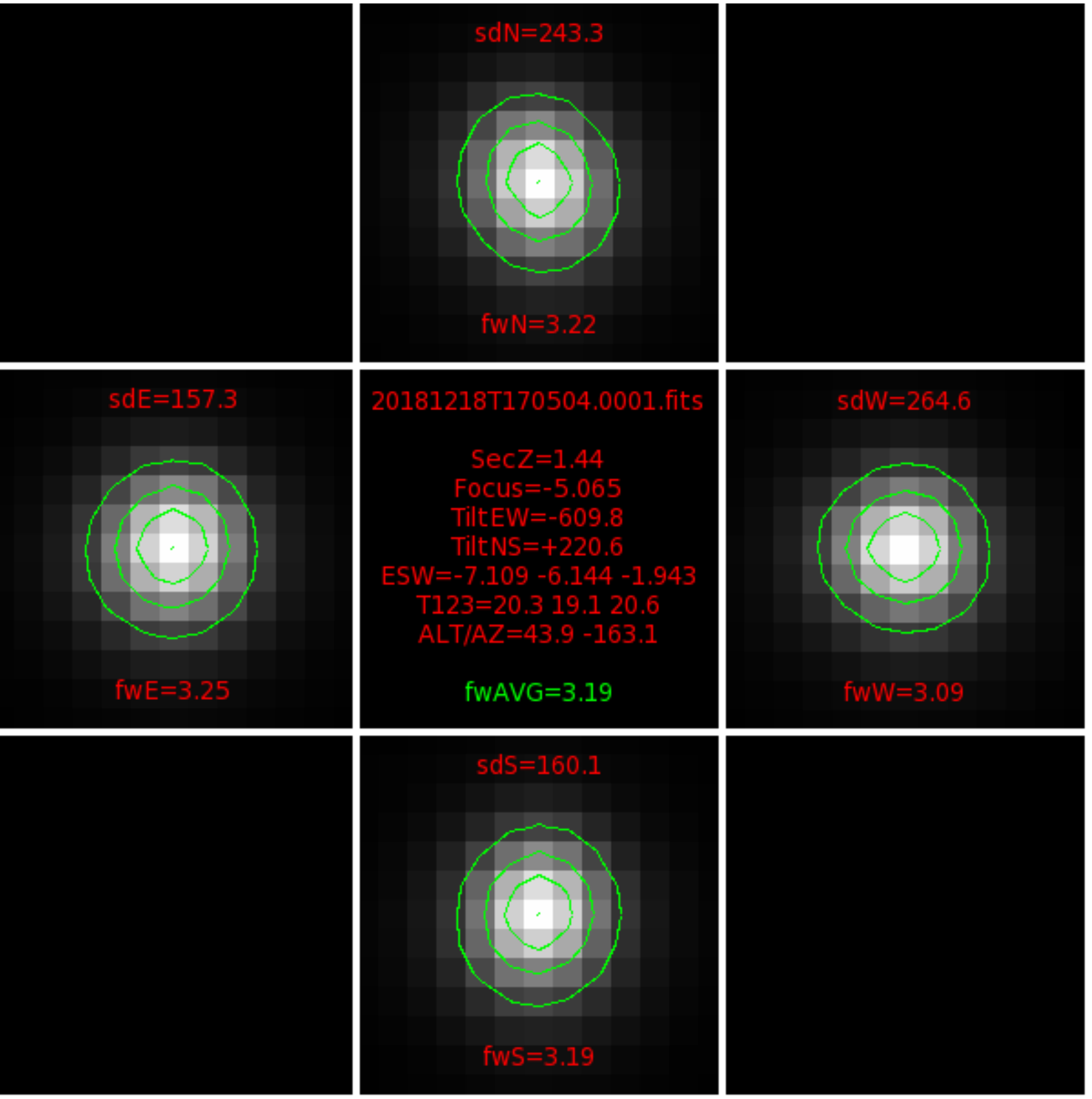
sdN=243.3
fwN=3.22
sdE=157.3
fwE=3.25
20181218T170504.0001.fits
SecZ=1.44
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.3 19.1 20.6
ALT/AZ=43.9 -163.1
fwAVG=3.19
sdW=264.6
fwW=3.09
sdS=160.1
fwS=3.19
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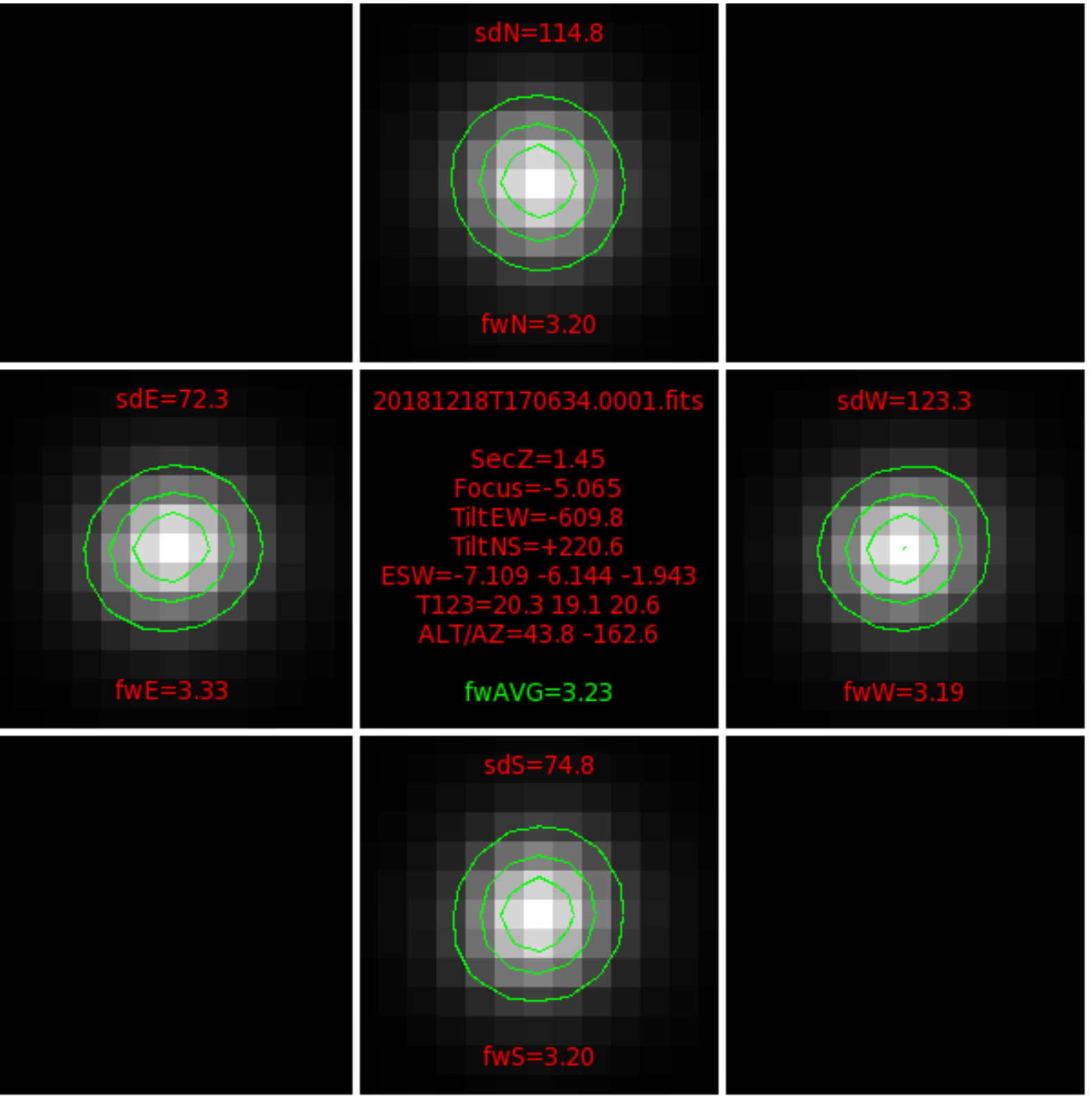
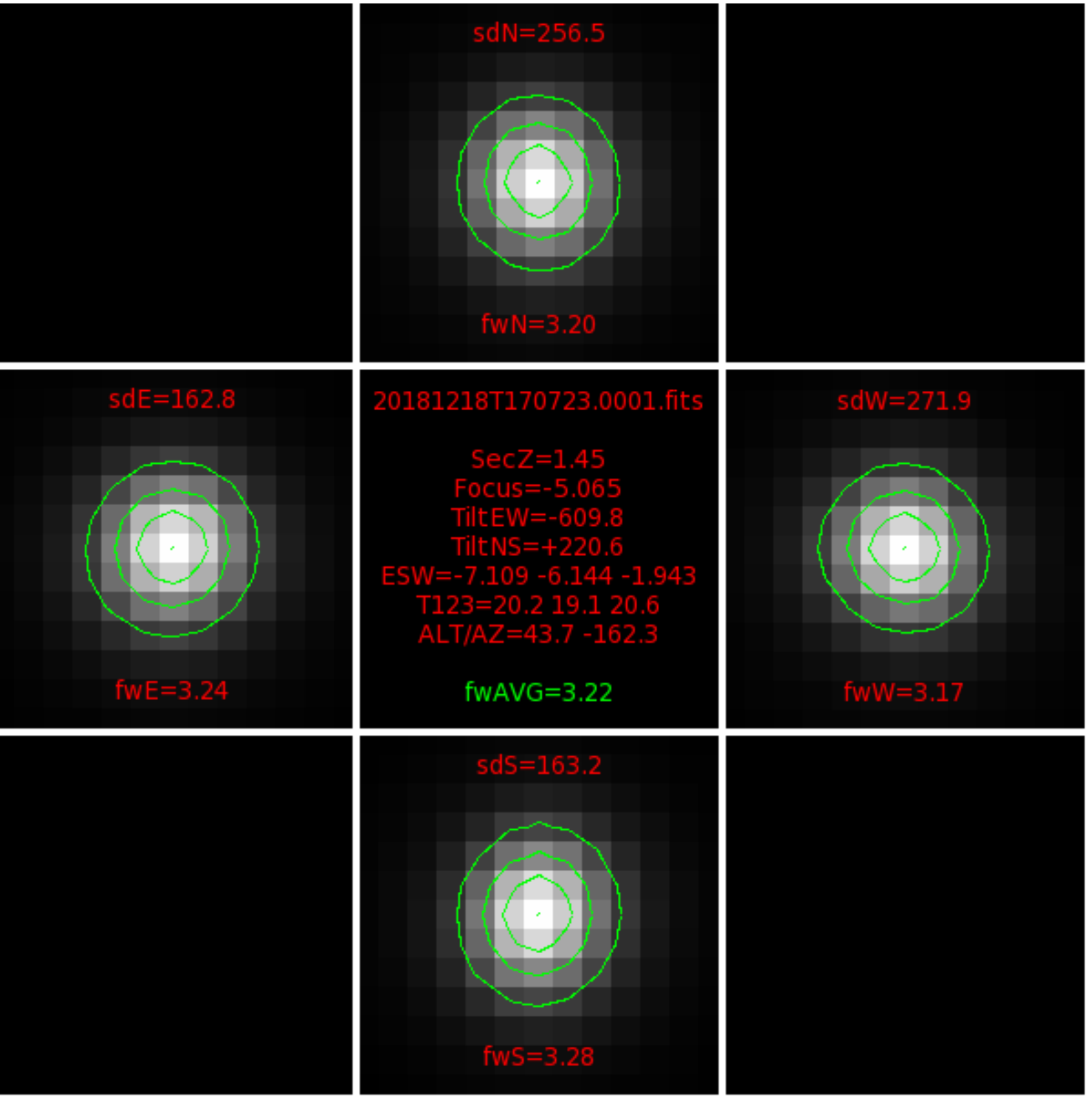

sdN=114.8
fwN=3.20
sdE=72.3
fwE=3.33
20181218T170634.0001.fits
SecZ=1.45
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.3 19.1 20.6
ALT/AZ=43.8 -162.6
fwAVG=3.23
sdW=123.3
fwW=3.19
sdS=74.8
fwS=3.20
0 0 0 0 0 0 0 0 0


sdN=256.5
fwN=3.20
sdE=162.8
fwE=3.24
20181218T170723.0001.fits
SecZ=1.45
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.2 19.1 20.6
ALT/AZ=43.7 -162.3
fwAVG=3.22
sdW=271.9
fwW=3.17
sdS=163.2
fwS=3.28
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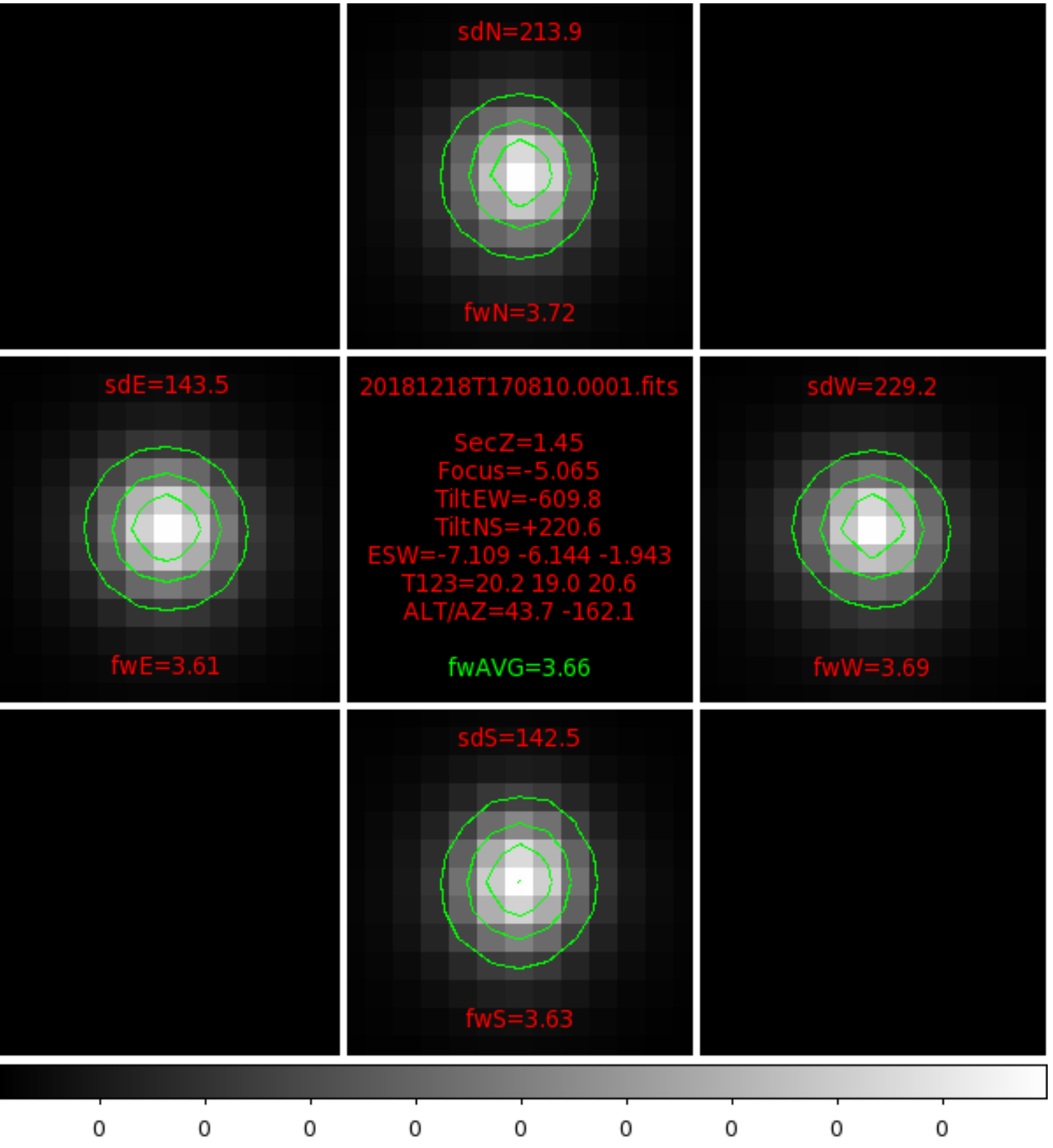
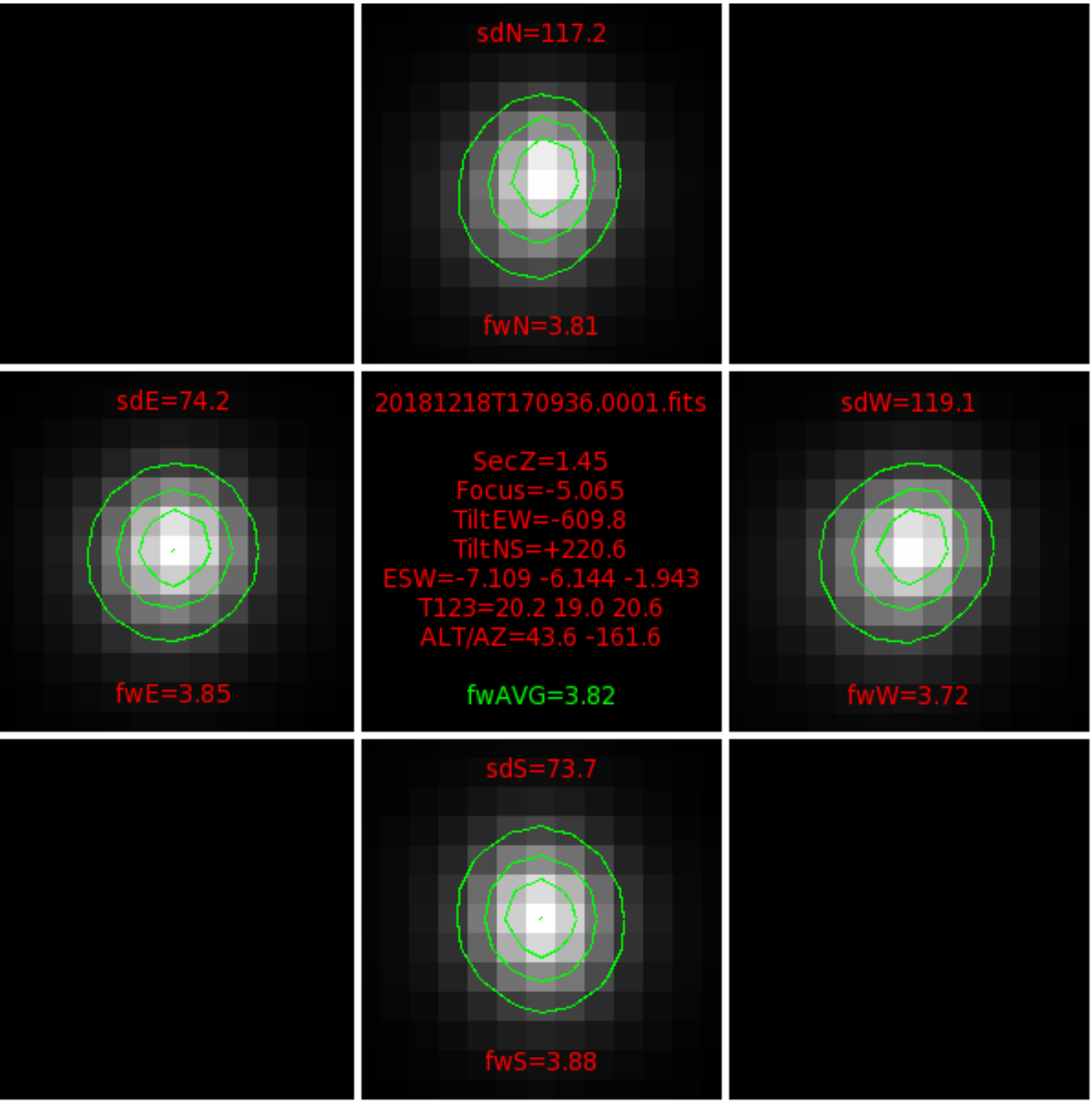

sdN=213.9
fwN=3.72
sdE=143.5
fwE=3.61
20181218T170810.0001.fits
SecZ=1.45
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.2 19.0 20.6
ALT/AZ=43.7 -162.1
fwAVG=3.66
sdW=229.2
fwW=3.69
sdS=142.5
fwS=3.63
0 0 0 0 0 0 0 0 0


sdN=117.2
fwN=3.81
sdE=74.2
fwE=3.85
20181218T170936.0001.fits
SecZ=1.45
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.2 19.0 20.6
ALT/AZ=43.6 -161.6
fwAVG=3.82
sdW=119.1
fwW=3.72
sdS=73.7
fwS=3.88
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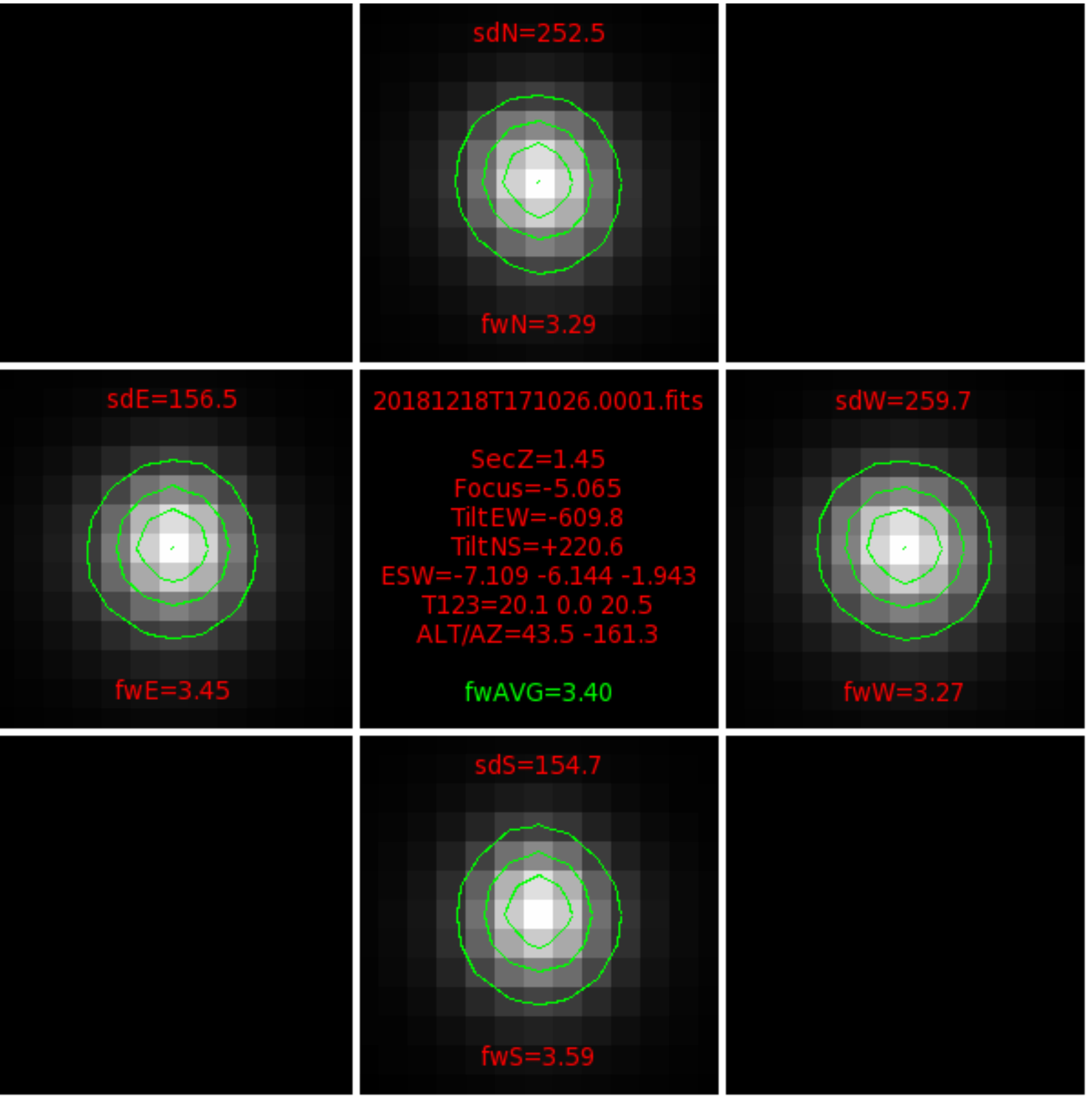
sdN=252.5
fwN=3.29
sdE=156.5
fwE=3.45
20181218T171026.0001.fits
SecZ=1.45
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.1 0.0 20.5
ALT/AZ=43.5 -161.3
fwAVG=3.40
sdW=259.7
fwW=3.27
sdS=154.7
fwS=3.59
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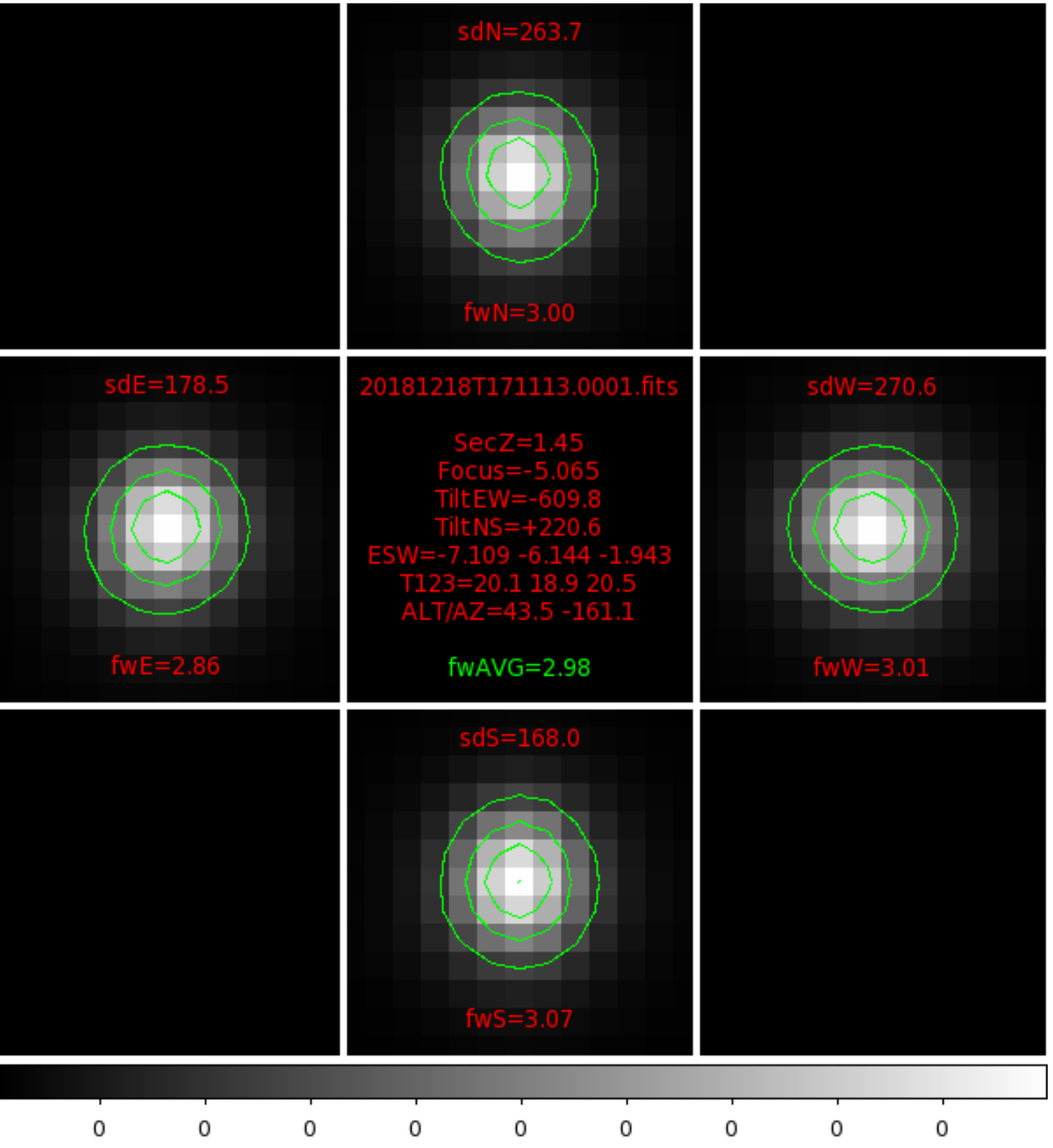
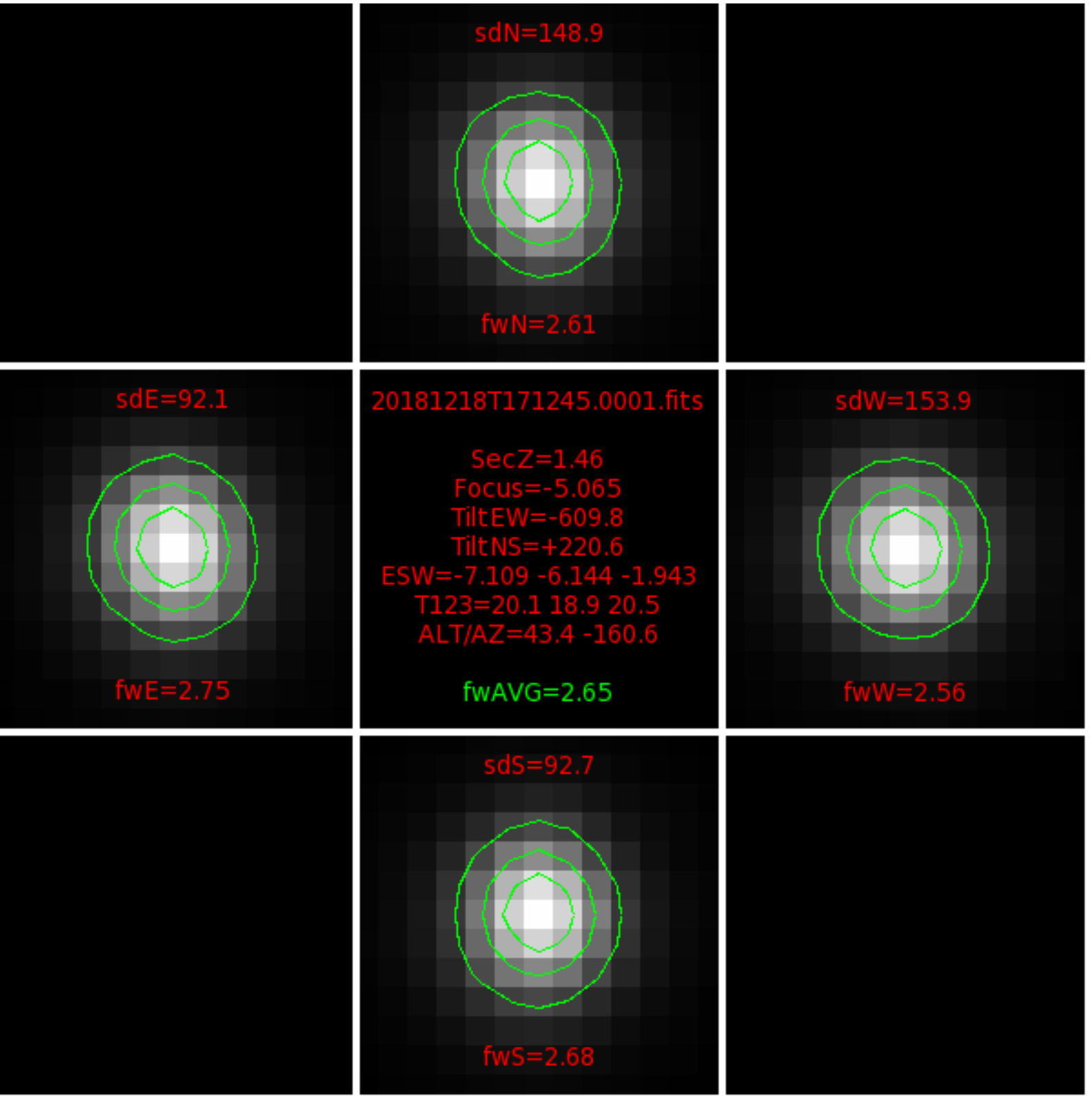
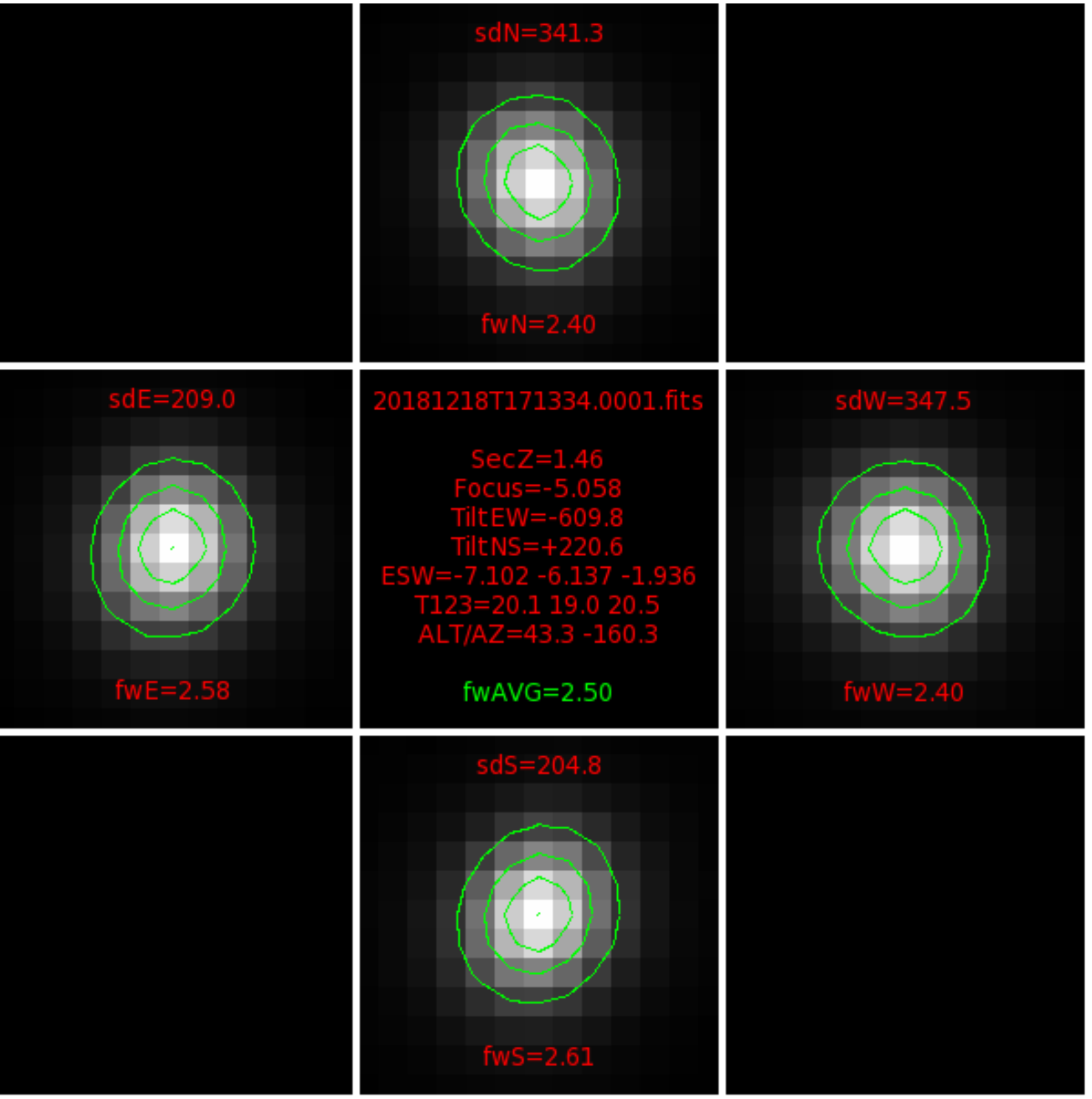

sdN=263.7
fwN=3.00
sdE=178.5
fwE=2.86
20181218T171113.0001.fits
SecZ=1.45
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.1 18.9 20.5
ALT/AZ=43.5 -161.1
fwAVG=2.98
sdW=270.6
fwW=3.01
sdS=168.0
fwS=3.07
0 0 0 0 0 0 0 0 0


sdN=148.9
fwN=2.61
sdE=92.1
fwE=2.75
20181218T171245.0001.fits
SecZ=1.46
Focus=-5.065
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.109 -6.144 -1.943
T123=20.1 18.9 20.5
ALT/AZ=43.4 -160.6
fwAVG=2.65
sdW=153.9
fwW=2.56
sdS=92.7
fwS=2.68
0 0 0 0 0 0 0 0 0


sdN=341.3
fwN=2.40
sdE=209.0
fwE=2.58
20181218T171334.0001.fits
SecZ=1.46
Focus=-5.058
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.102 -6.137 -1.936
T123=20.1 19.0 20.5
ALT/AZ=43.3 -160.3
fwAVG=2.50
sdW=347.5
fwW=2.40
sdS=204.8
fwS=2.61
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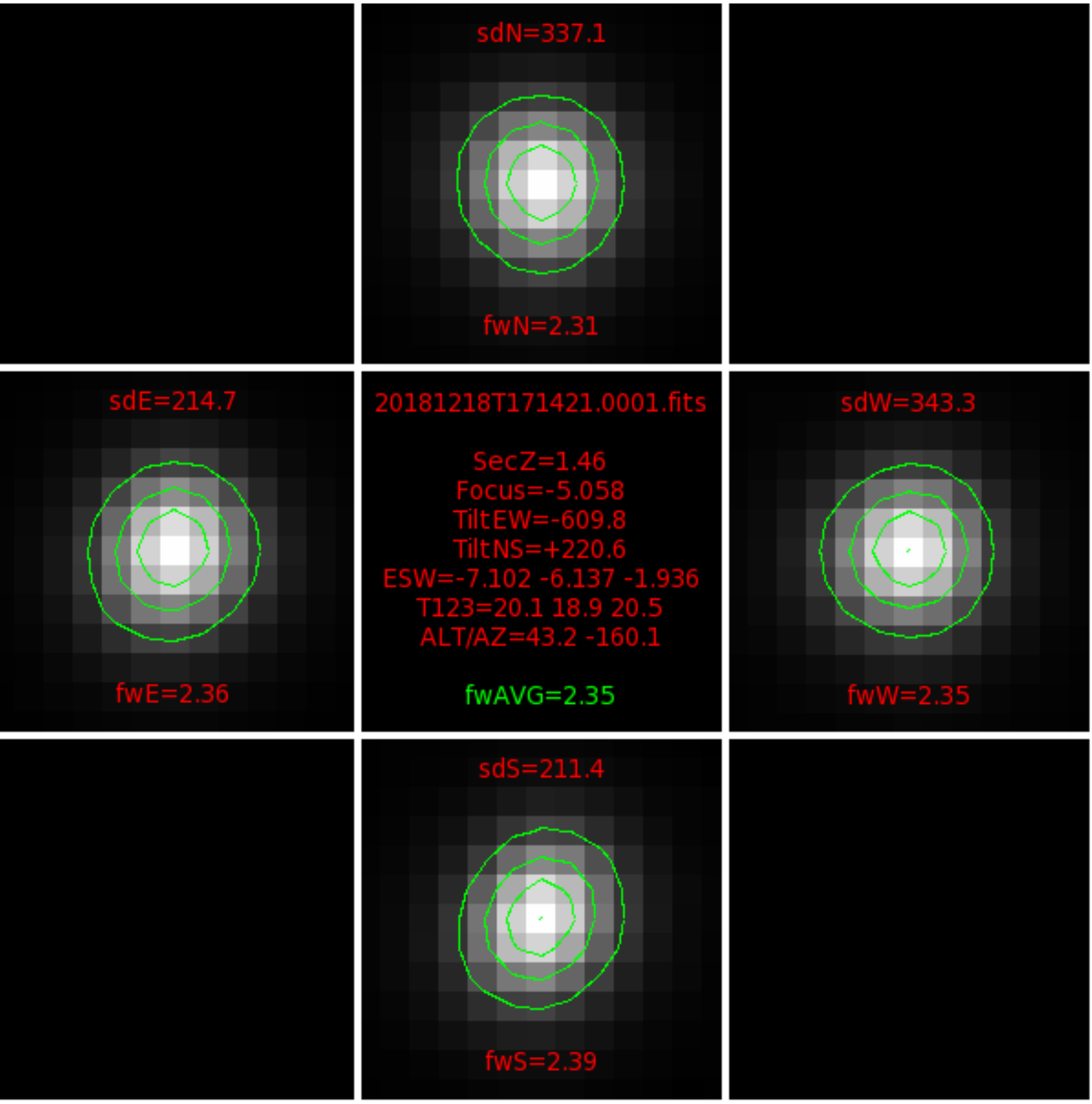
sdN=337.1
fwN=2.31
sdE=214.7
fwE=2.36
20181218T171421.0001.fits
SecZ=1.46
Focus=-5.058
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.102 -6.137 -1.936
T123=20.1 18.9 20.5
ALT/AZ=43.2 -160.1
fwAVG=2.35
sdW=343.3
fwW=2.35
sdS=211.4
fwS=2.39
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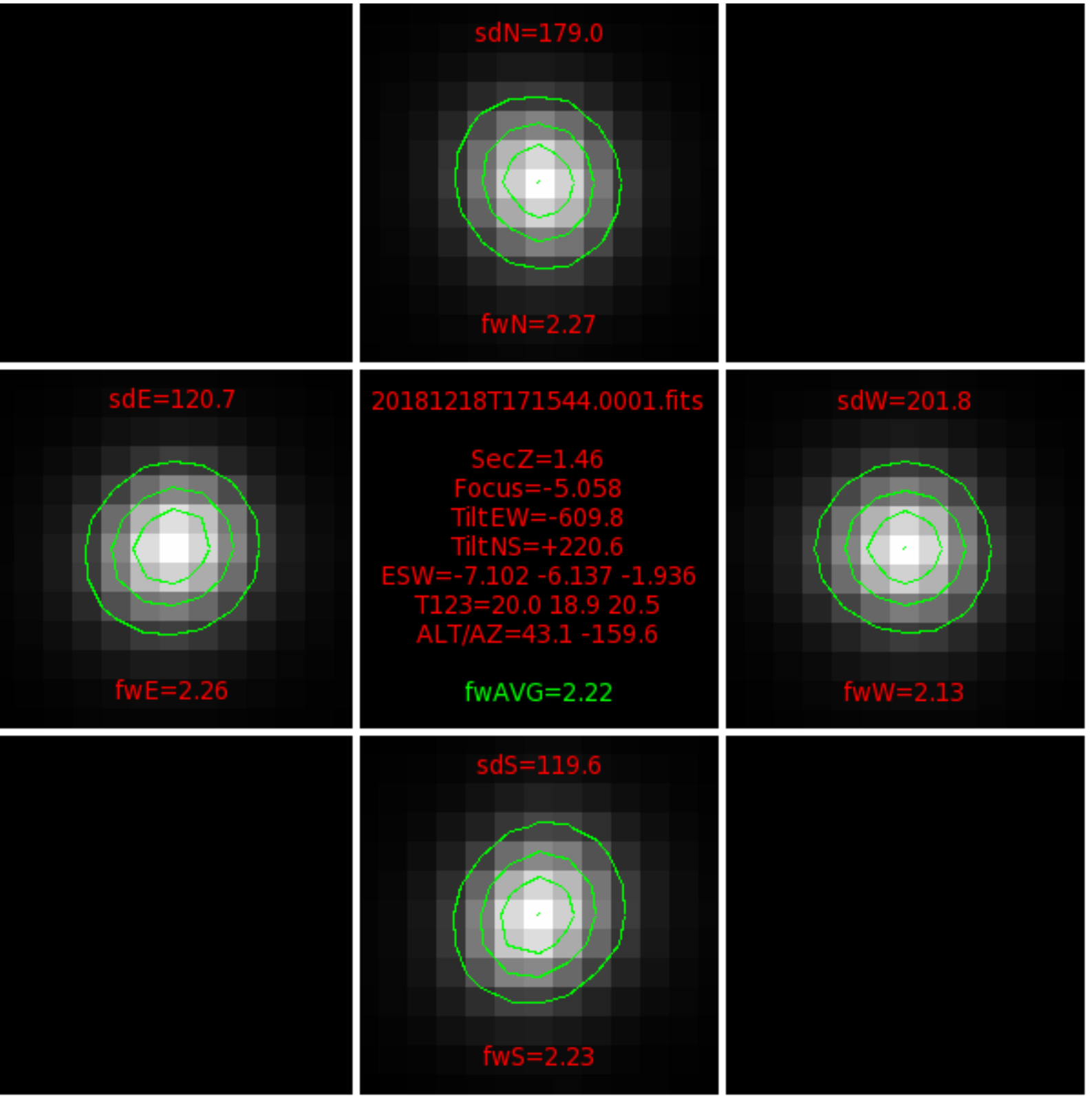
sdN=179.0
fwN=2.27
sdE=120.7
fwE=2.26
20181218T171544.0001.fits
SecZ=1.46
Focus=-5.058
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.102 -6.137 -1.936
T123=20.0 18.9 20.5
ALT/AZ=43.1 -159.6
fwAVG=2.22
sdW=201.8
fwW=2.13
sdS=119.6
fwS=2.23
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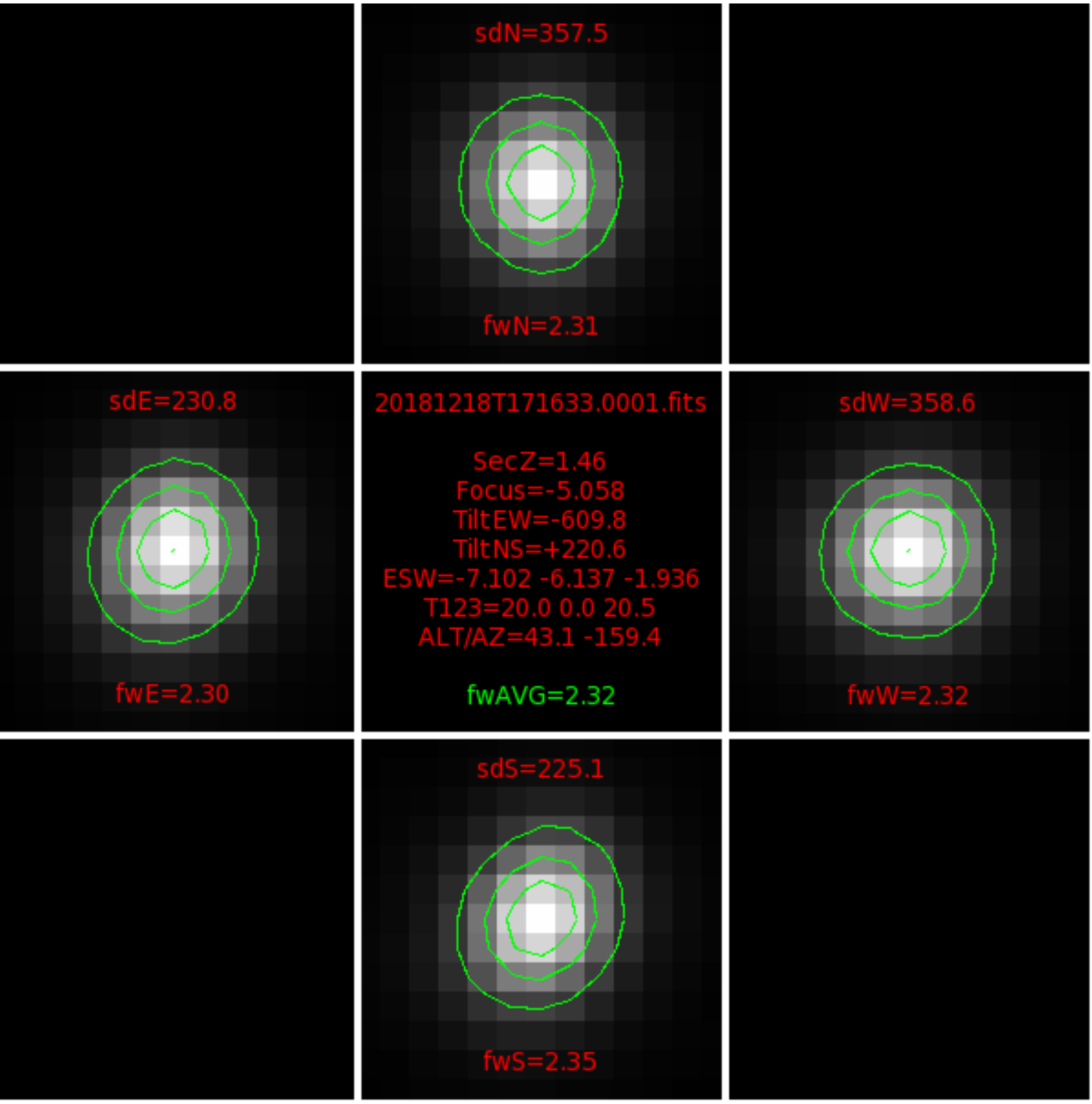
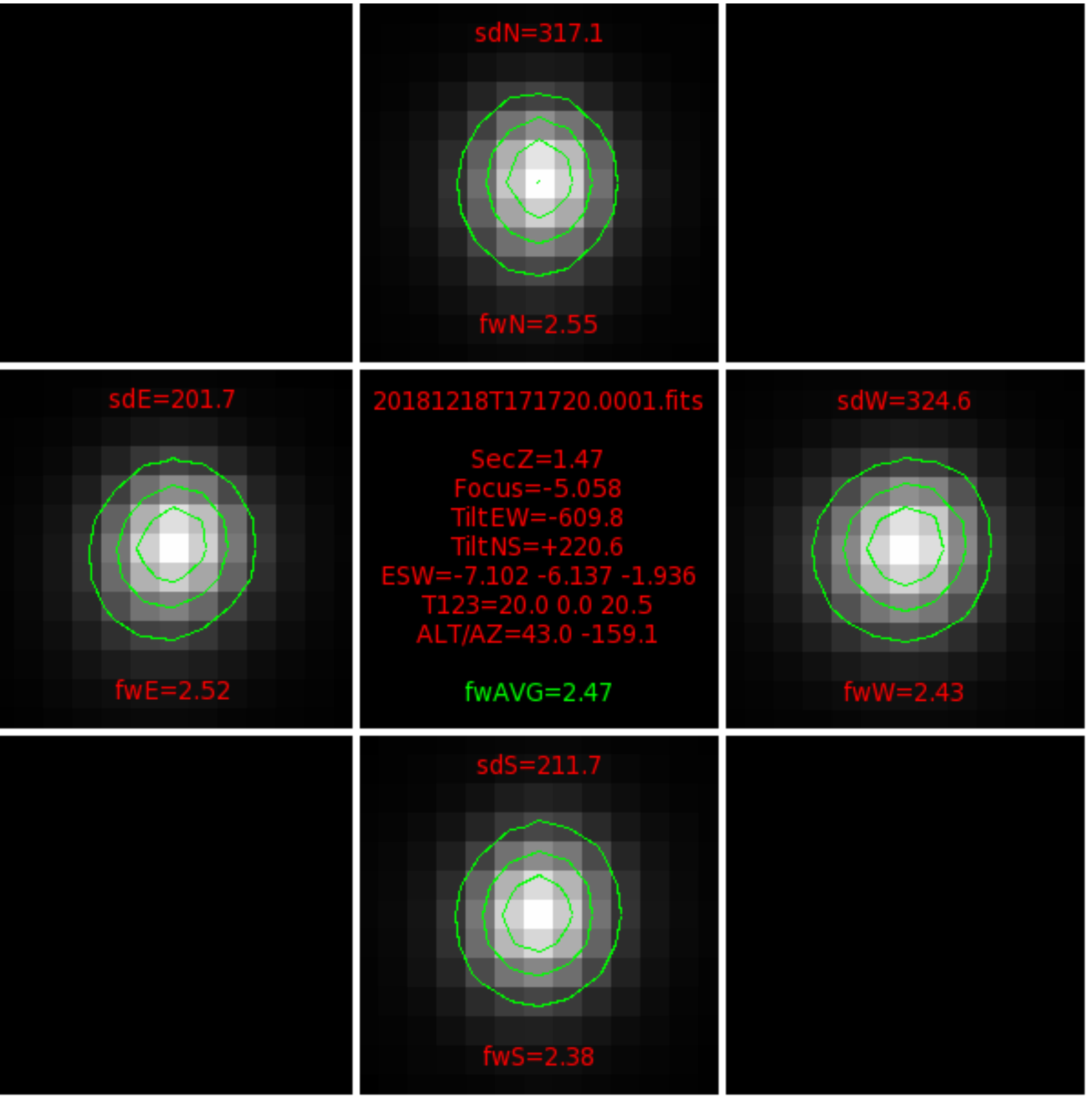
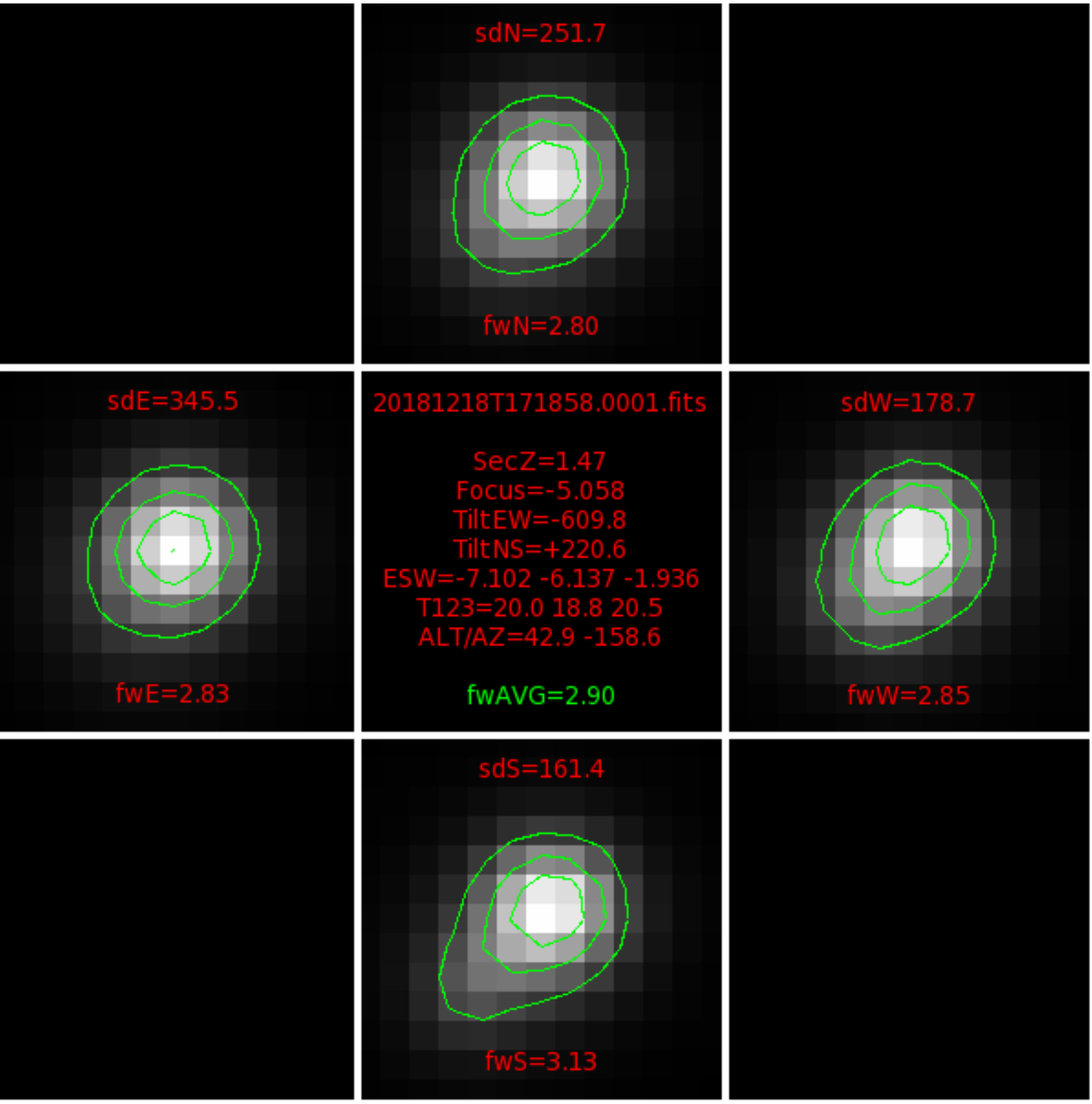

sdN=357.5
fwN=2.31
sdE=230.8
fwE=2.30
20181218T171633.0001.fits
SecZ=1.46
Focus=-5.058
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.102 -6.137 -1.936
T123=20.0 0.0 20.5
ALT/AZ=43.1 -159.4
fwAVG=2.32
sdW=358.6
fwW=2.32
sdS=225.1
fwS=2.35
0 0 0 0 0 0 0 0 0


sdN=317.1
fwN=2.55
sdE=201.7
fwE=2.52
20181218T171720.0001.fits
SecZ=1.47
Focus=-5.058
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.102 -6.137 -1.936
T123=20.0 0.0 20.5
ALT/AZ=43.0 -159.1
fwAVG=2.47
sdW=324.6
fwW=2.43
sdS=211.7
fwS=2.38
0 0 0 0 0 0 0 0 0


sdN=251.7
fwN=2.80
sdE=345.5
fwE=2.83
20181218T171858.0001.fits
SecZ=1.47
Focus=-5.058
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.102 -6.137 -1.936
T123=20.0 18.8 20.5
ALT/AZ=42.9 -158.6
fwAVG=2.90
sdW=178.7
fwW=2.85
sdS=161.4
fwS=3.13
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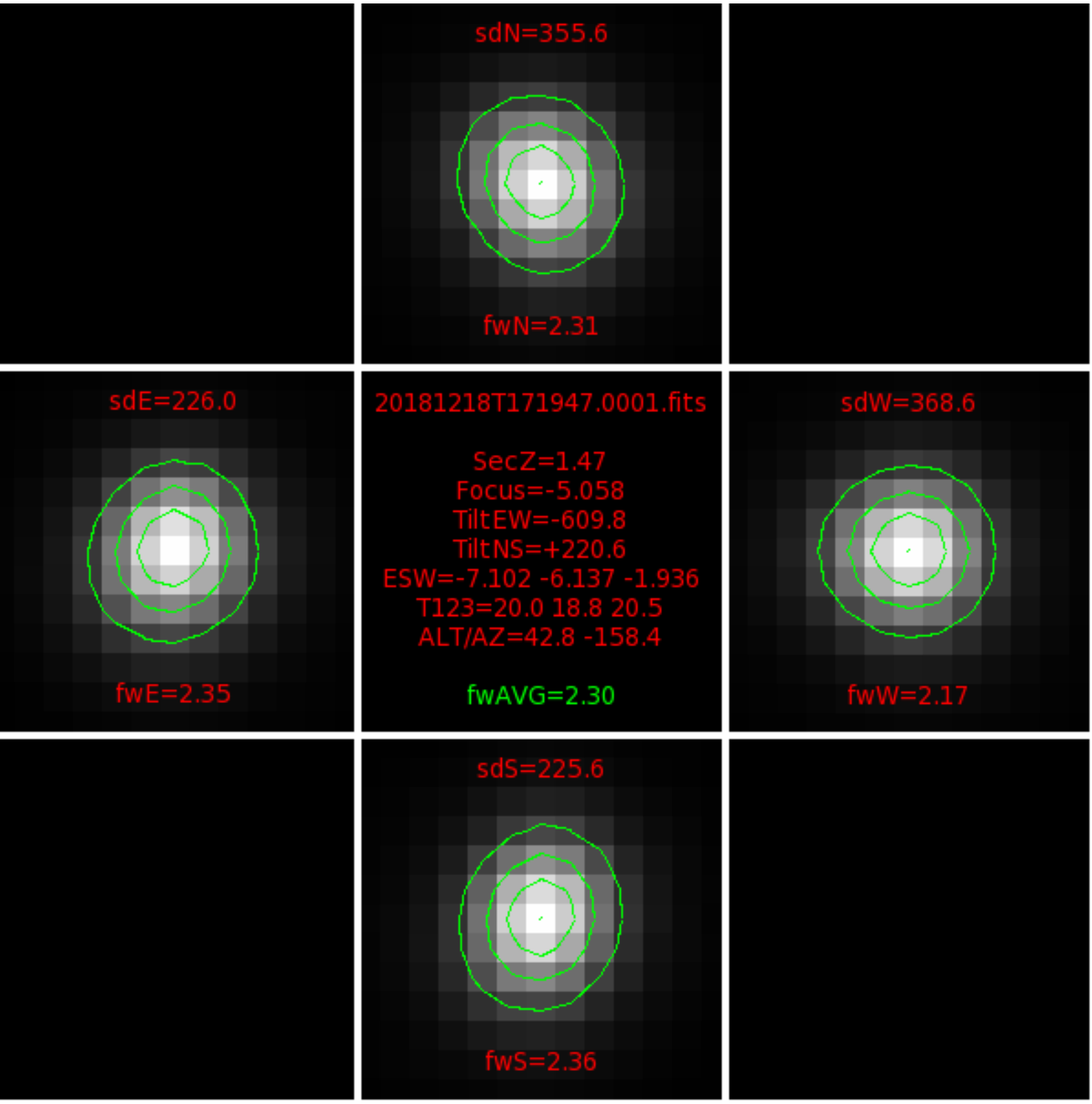
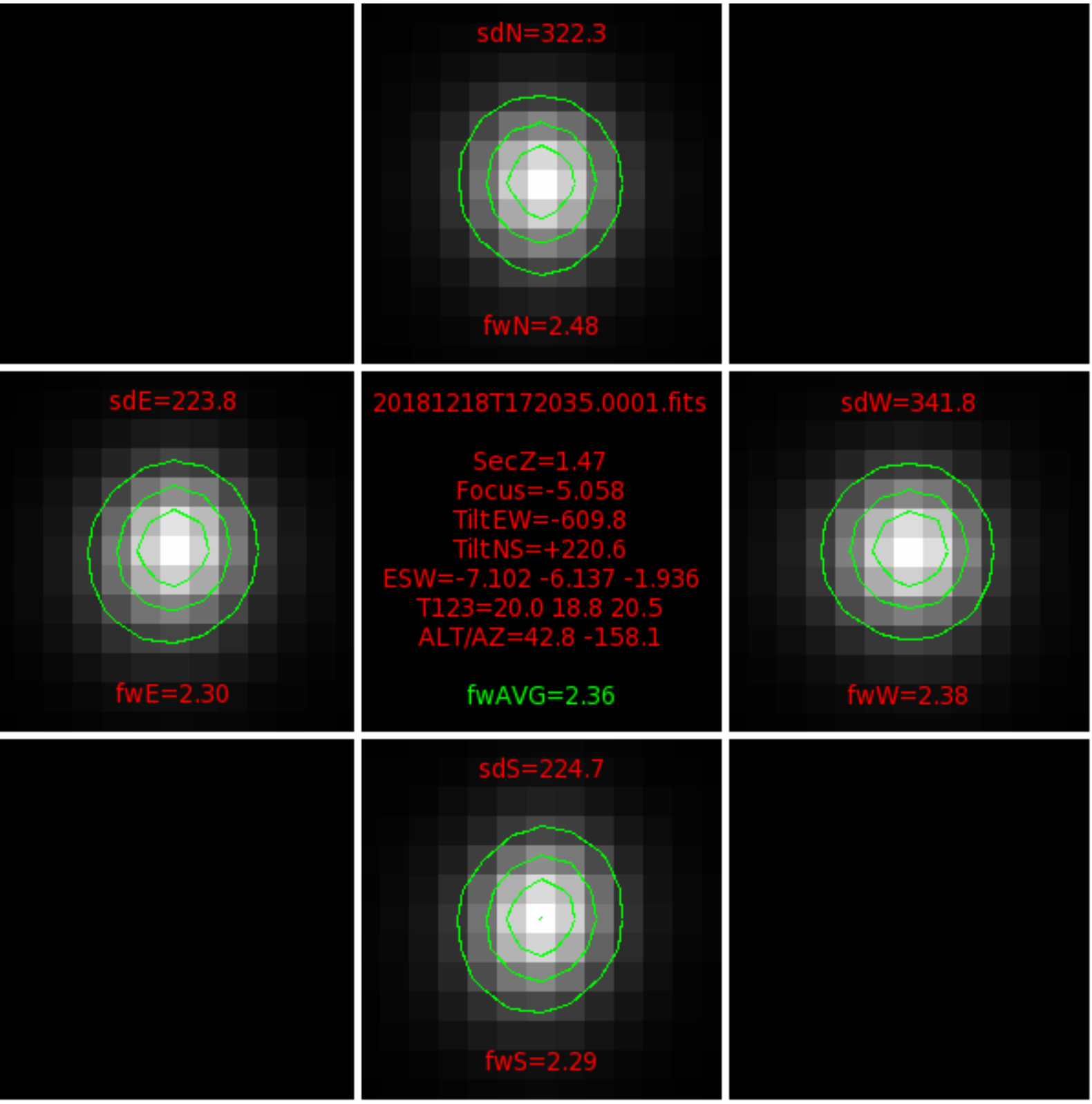

sdN=355.6
fwN=2.31
sdE=226.0
fwE=2.35
20181218T171947.0001.fits
SecZ=1.47
Focus=-5.058
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.102 -6.137 -1.936
T123=20.0 18.8 20.5
ALT/AZ=42.8 -158.4
fwAVG=2.30
sdW=368.6
fwW=2.17
sdS=225.6
fwS=2.36
0 0 0 0 0 0 0 0 0


sdN=322.3
fwN=2.48
sdE=223.8
fwE=2.30
20181218T172035.0001.fits
SecZ=1.47
Focus=-5.058
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.102 -6.137 -1.936
T123=20.0 18.8 20.5
ALT/AZ=42.8 -158.1
fwAVG=2.36
sdW=341.8
fwW=2.38
sdS=224.7
fwS=2.29
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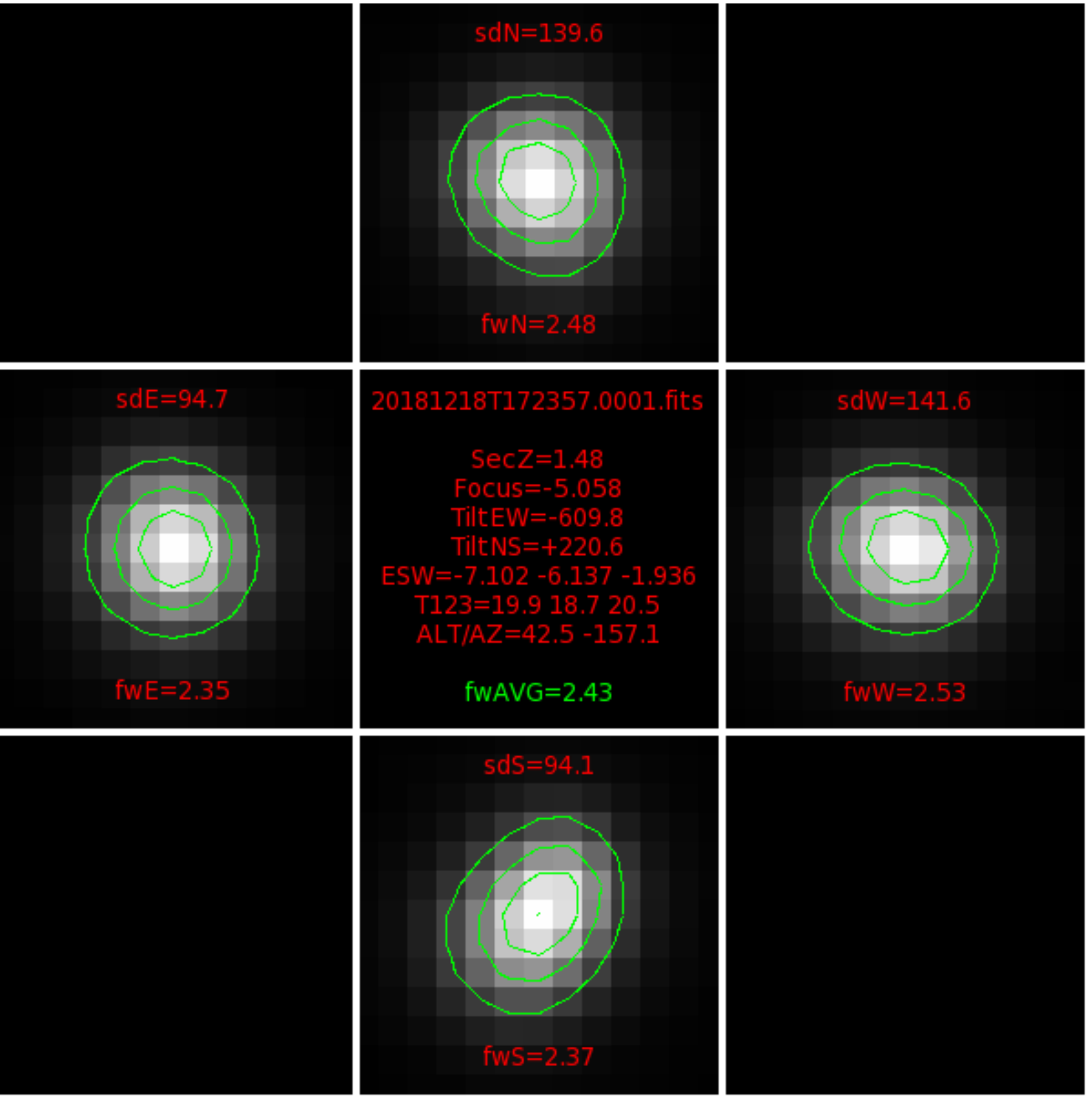
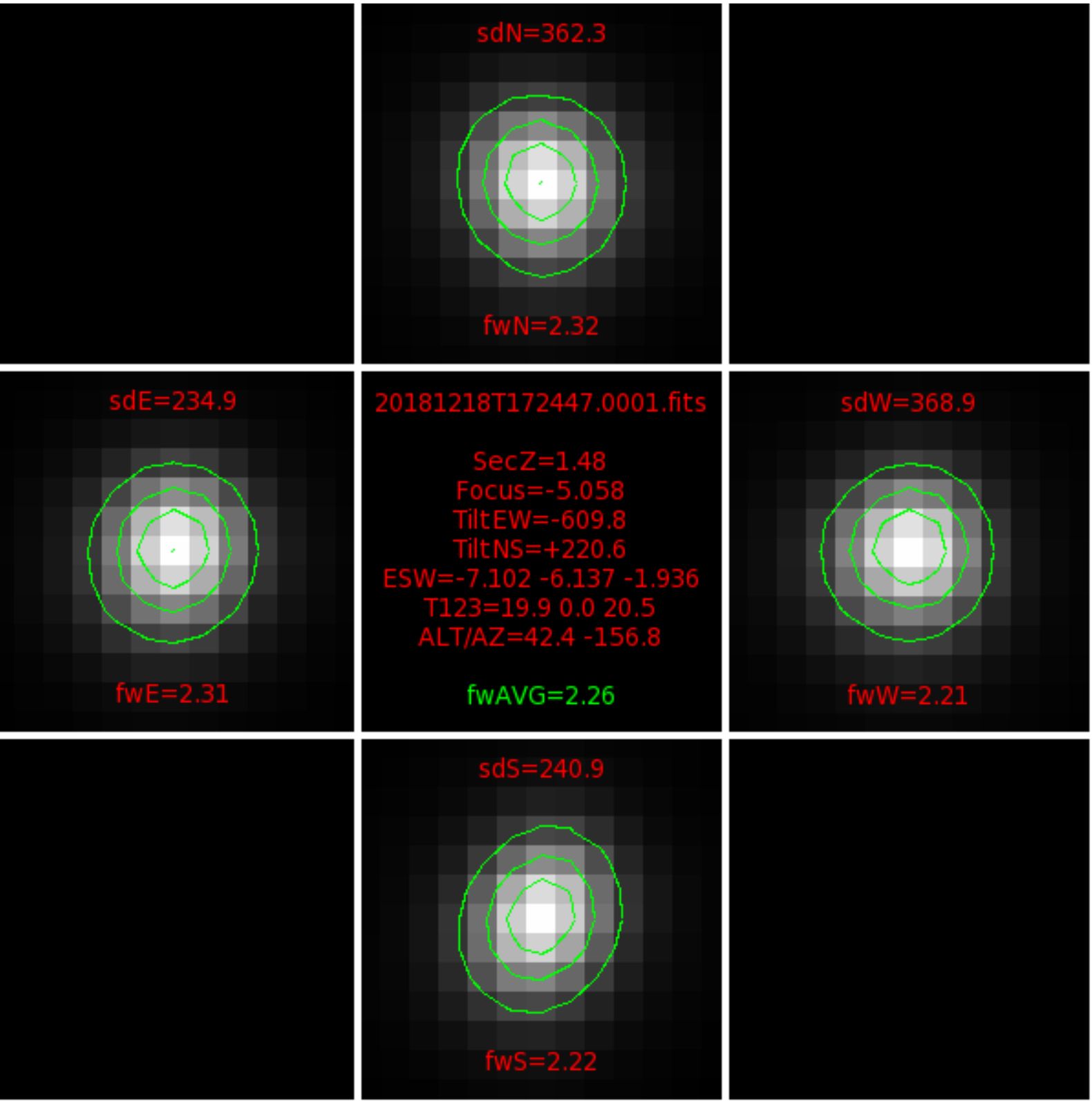
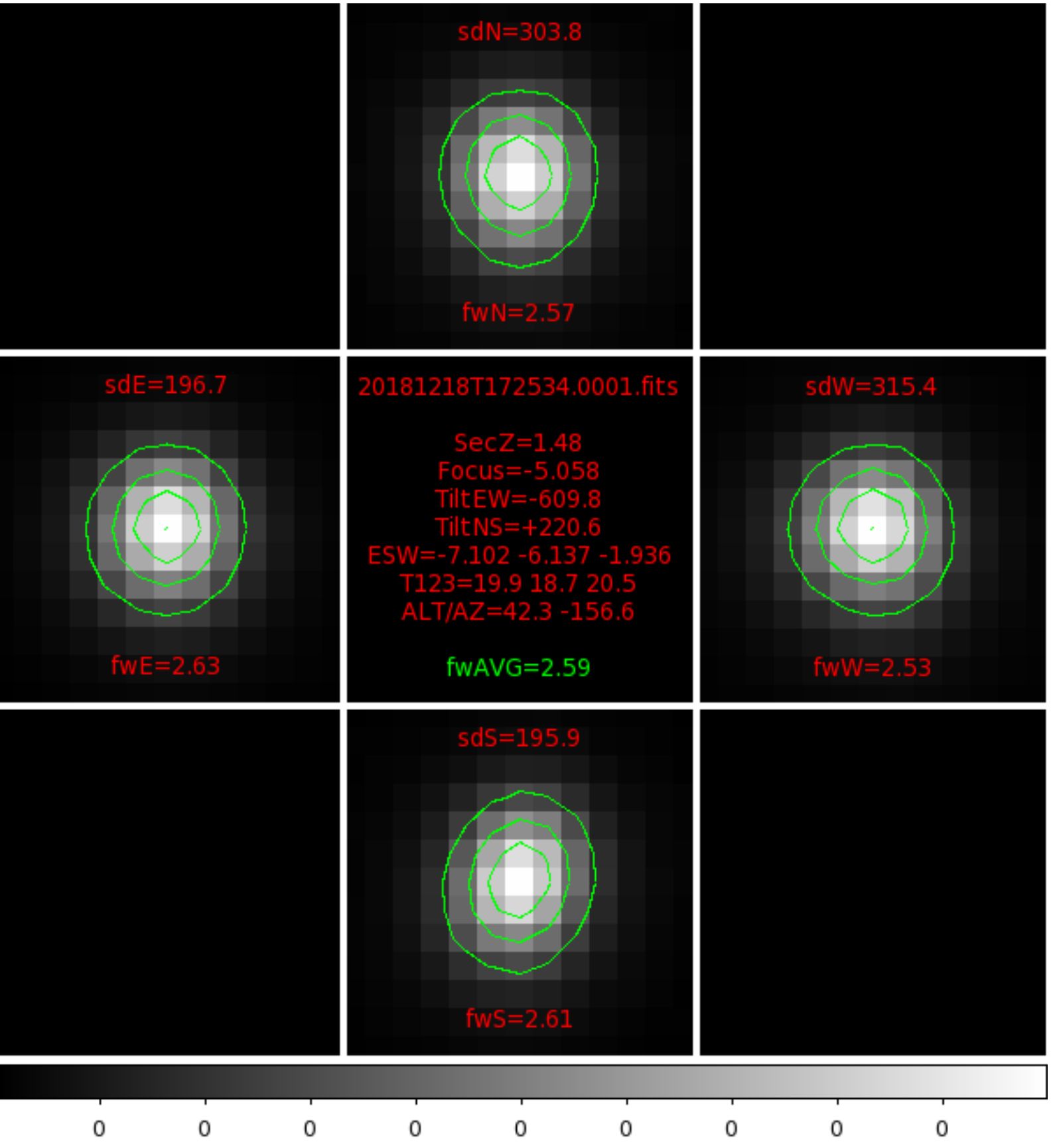

sdN=139.6
fwN=2.48
sdE=94.7
fwE=2.35
20181218T172357.0001.fits
SecZ=1.48
Focus=-5.058
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.102 -6.137 -1.936
T123=19.9 18.7 20.5
ALT/AZ=42.5 -157.1
fwAVG=2.43
sdW=141.6
fwW=2.53
sdS=94.1
fwS=2.37
0 0 0 0 0 0 0 0 0


sdN=362.3
fwN=2.32
sdE=234.9
fwE=2.31
20181218T172447.0001.fits
SecZ=1.48
Focus=-5.058
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.102 -6.137 -1.936
T123=19.9 0.0 20.5
ALT/AZ=42.4 -156.8
fwAVG=2.26
sdW=368.9
fwW=2.21
sdS=240.9
fwS=2.22
0 0 0 0 0 0 0 0 0


sdN=303.8
fwN=2.57
sdE=196.7
fwE=2.63
20181218T172534.0001.fits
SecZ=1.48
Focus=-5.058
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.102 -6.137 -1.936
T123=19.9 18.7 20.5
ALT/AZ=42.3 -156.6
fwAVG=2.59
sdW=315.4
fwW=2.53
sdS=195.9
fwS=2.61
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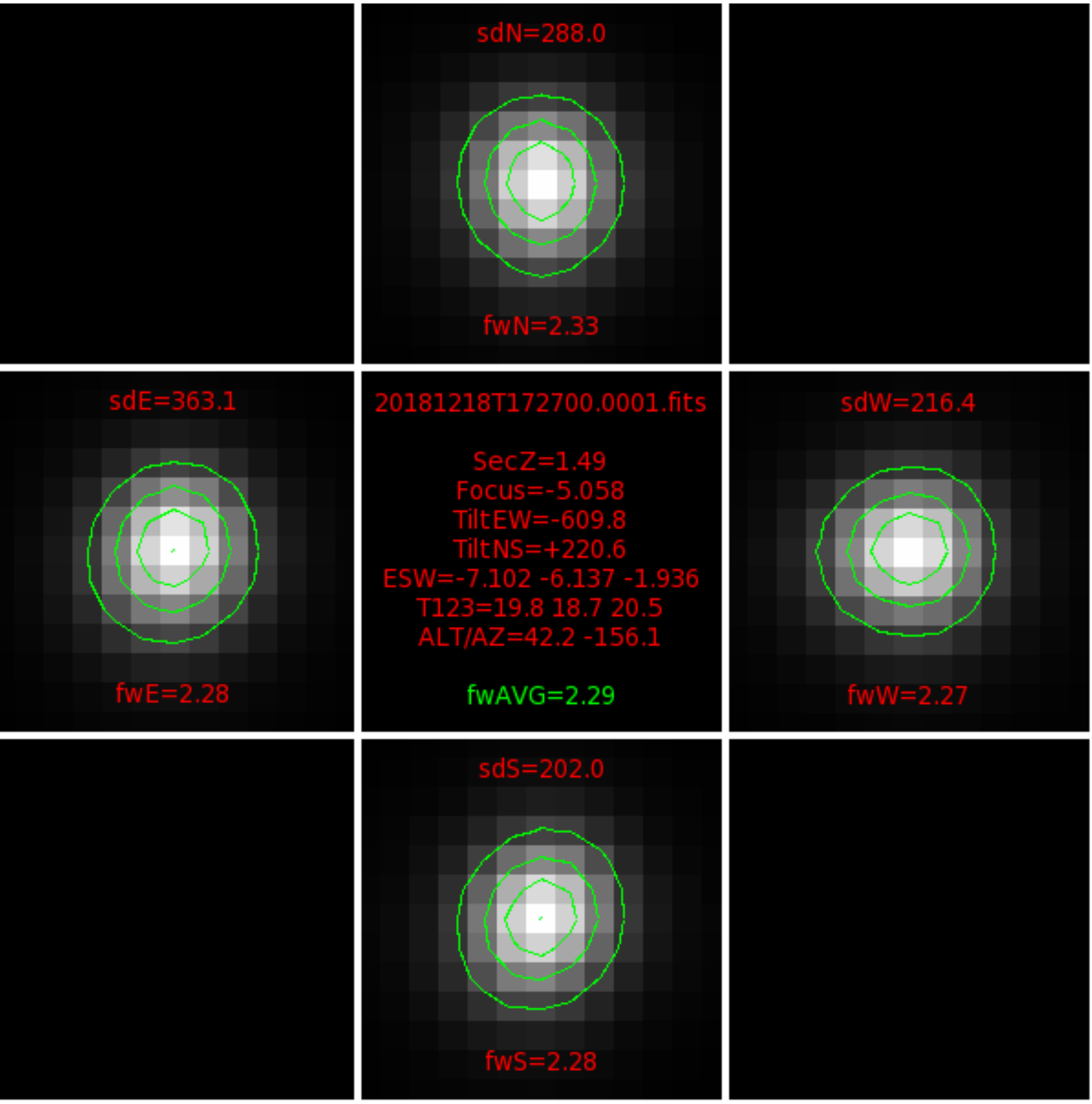
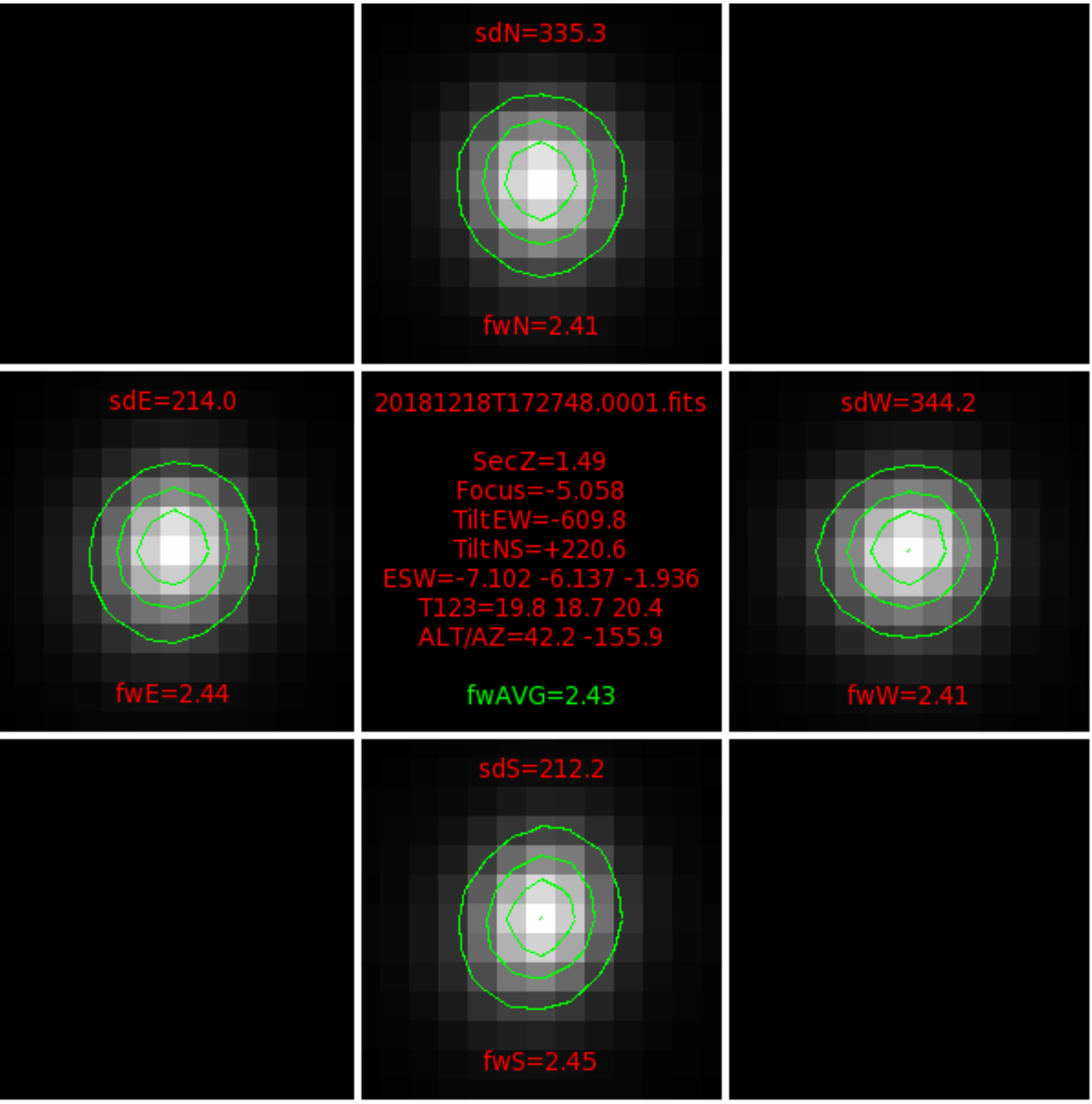

sdN=288.0
fwN=2.33
sdE=363.1
fwE=2.28
20181218T172700.0001.fits
SecZ=1.49
Focus=-5.058
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.102 -6.137 -1.936
T123=19.8 18.7 20.5
ALT/AZ=42.2 -156.1
fwAVG=2.29
sdW=216.4
fwW=2.27
sdS=202.0
fwS=2.28
0 0 0 0 0 0 0 0 0


sdN=335.3
fwN=2.41
sdE=214.0
fwE=2.44
20181218T172748.0001.fits
SecZ=1.49
Focus=-5.058
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.102 -6.137 -1.936
T123=19.8 18.7 20.4
ALT/AZ=42.2 -155.9
fwAVG=2.43
sdW=344.2
fwW=2.41
sdS=212.2
fwS=2.45
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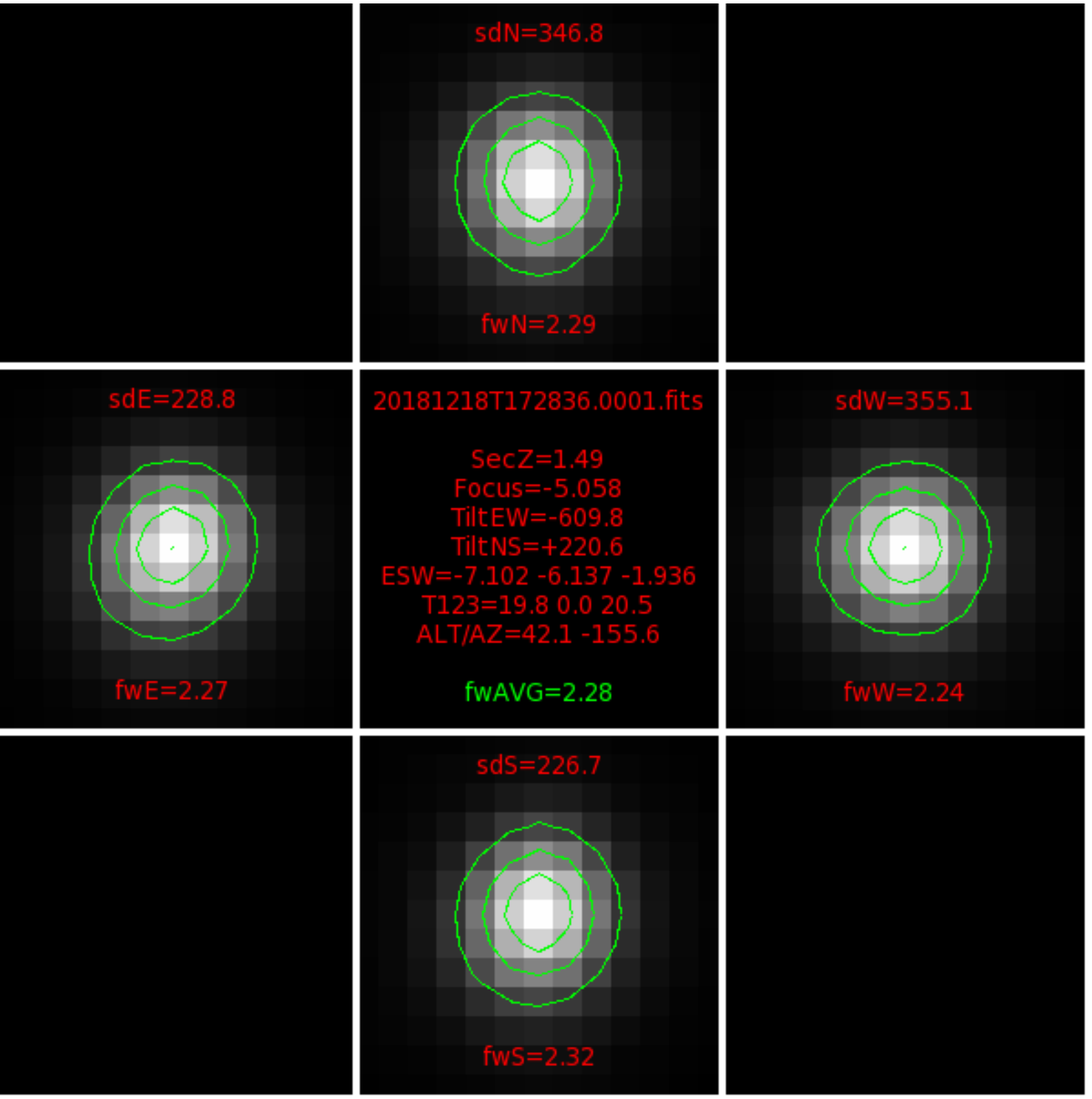
sdN=346.8
fwN=2.29
sdE=228.8
fwE=2.27
20181218T172836.0001.fits
SecZ=1.49
Focus=-5.058
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.102 -6.137 -1.936
T123=19.8 0.0 20.5
ALT/AZ=42.1 -155.6
fwAVG=2.28
sdW=355.1
fwW=2.24
sdS=226.7
fwS=2.32
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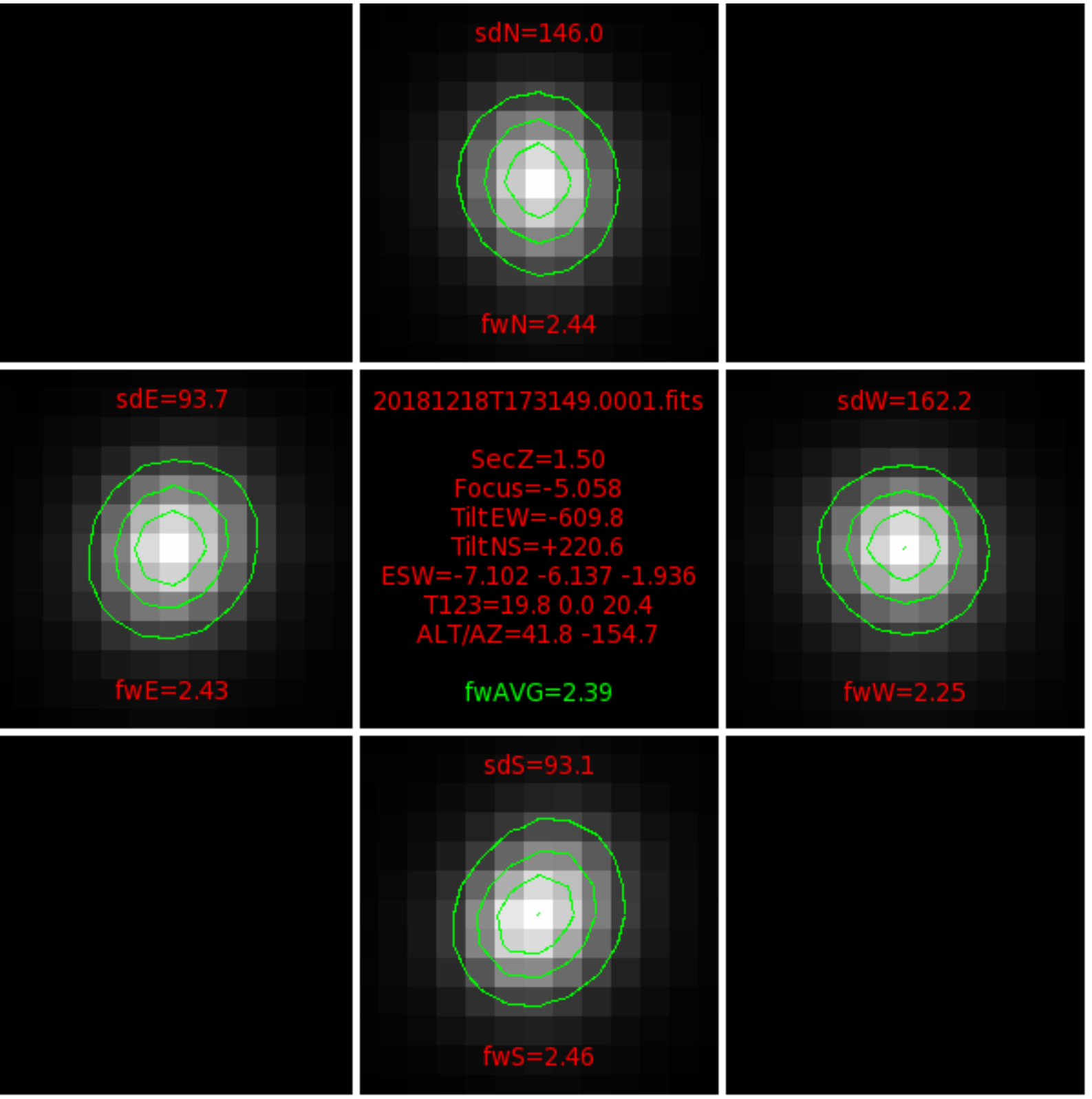
sdN=146.0
fwN=2.44
sdE=93.7
fwE=2.43
20181218T173149.0001.fits
SecZ=1.50
Focus=-5.058
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.102 -6.137 -1.936
T123=19.8 0.0 20.4
ALT/AZ=41.8 -154.7
fwAVG=2.39
sdW=162.2
fwW=2.25
sdS=93.1
fwS=2.46
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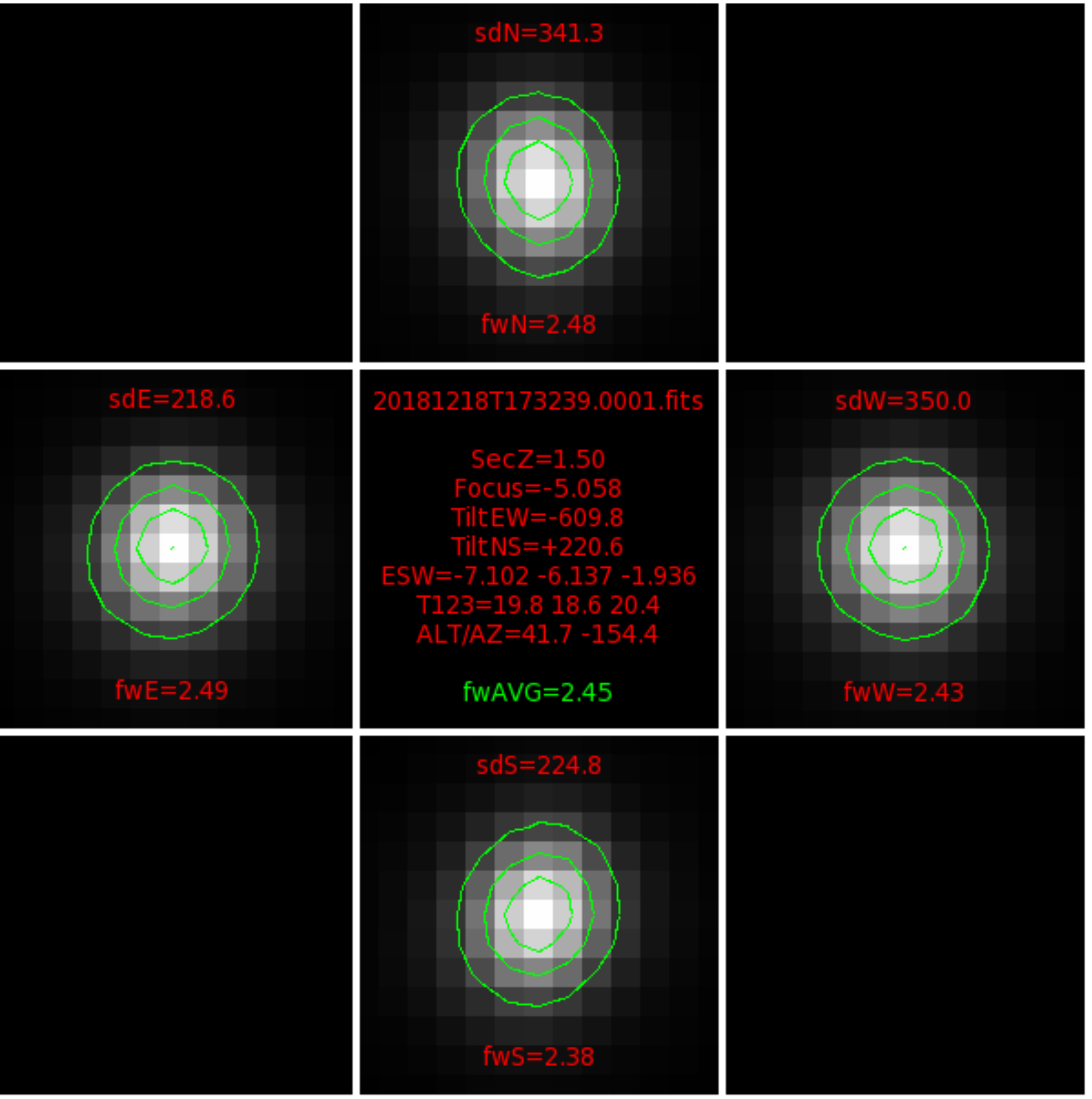
sdN=341.3
fwN=2.48
sdE=218.6
fwE=2.49
20181218T173239.0001.fits
SecZ=1.50
Focus=-5.058
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.102 -6.137 -1.936
T123=19.8 18.6 20.4
ALT/AZ=41.7 -154.4
fwAVG=2.45
sdW=350.0
fwW=2.43
sdS=224.8
fwS=2.38
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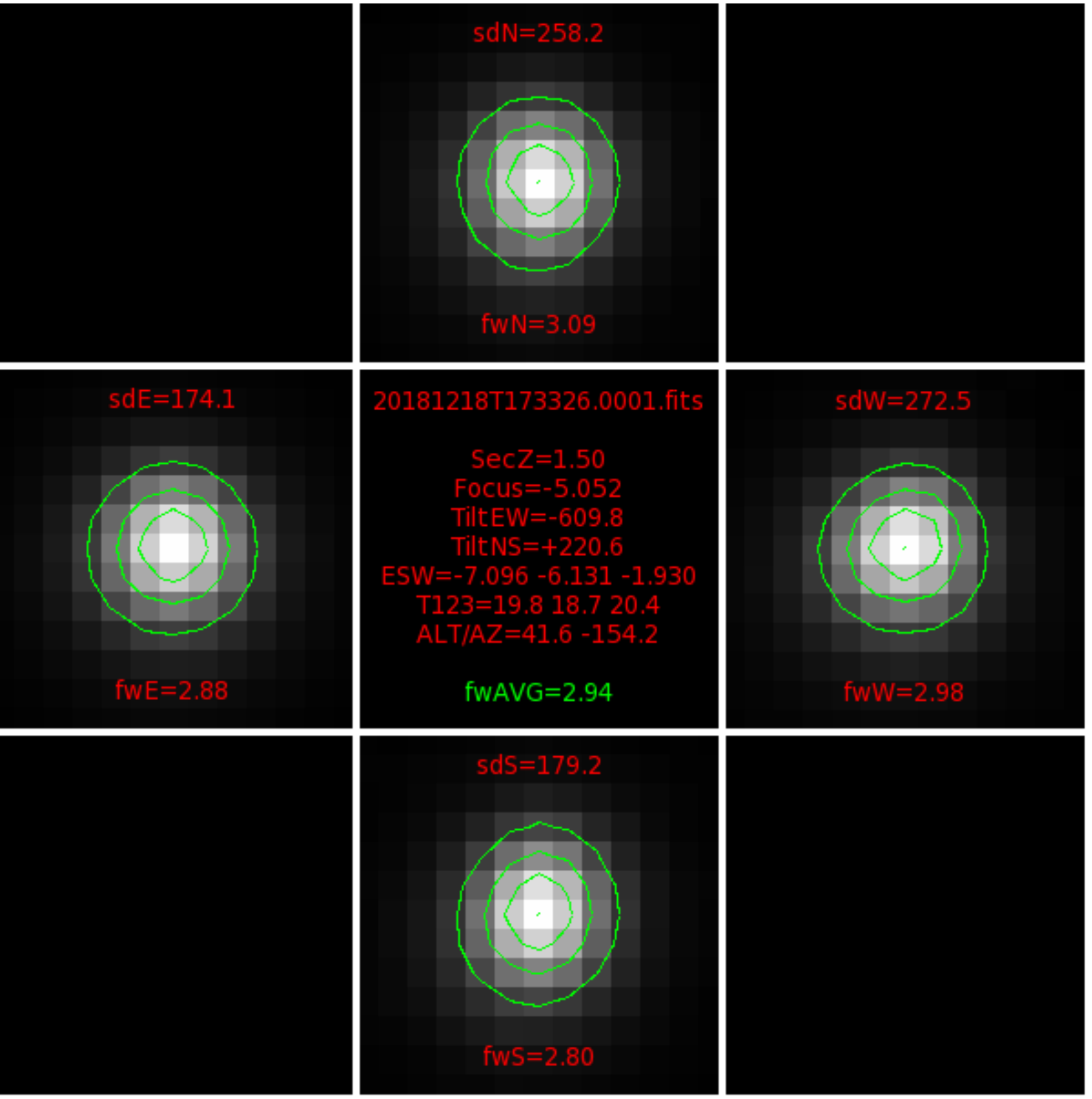
sdN=258.2
fwN=3.09
sdE=174.1
fwE=2.88
20181218T173326.0001.fits
SecZ=1.50
Focus=-5.052
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.096 -6.131 -1.930
T123=19.8 18.7 20.4
ALT/AZ=41.6 -154.2
fwAVG=2.94
sdW=272.5
fwW=2.98
sdS=179.2
fwS=2.80
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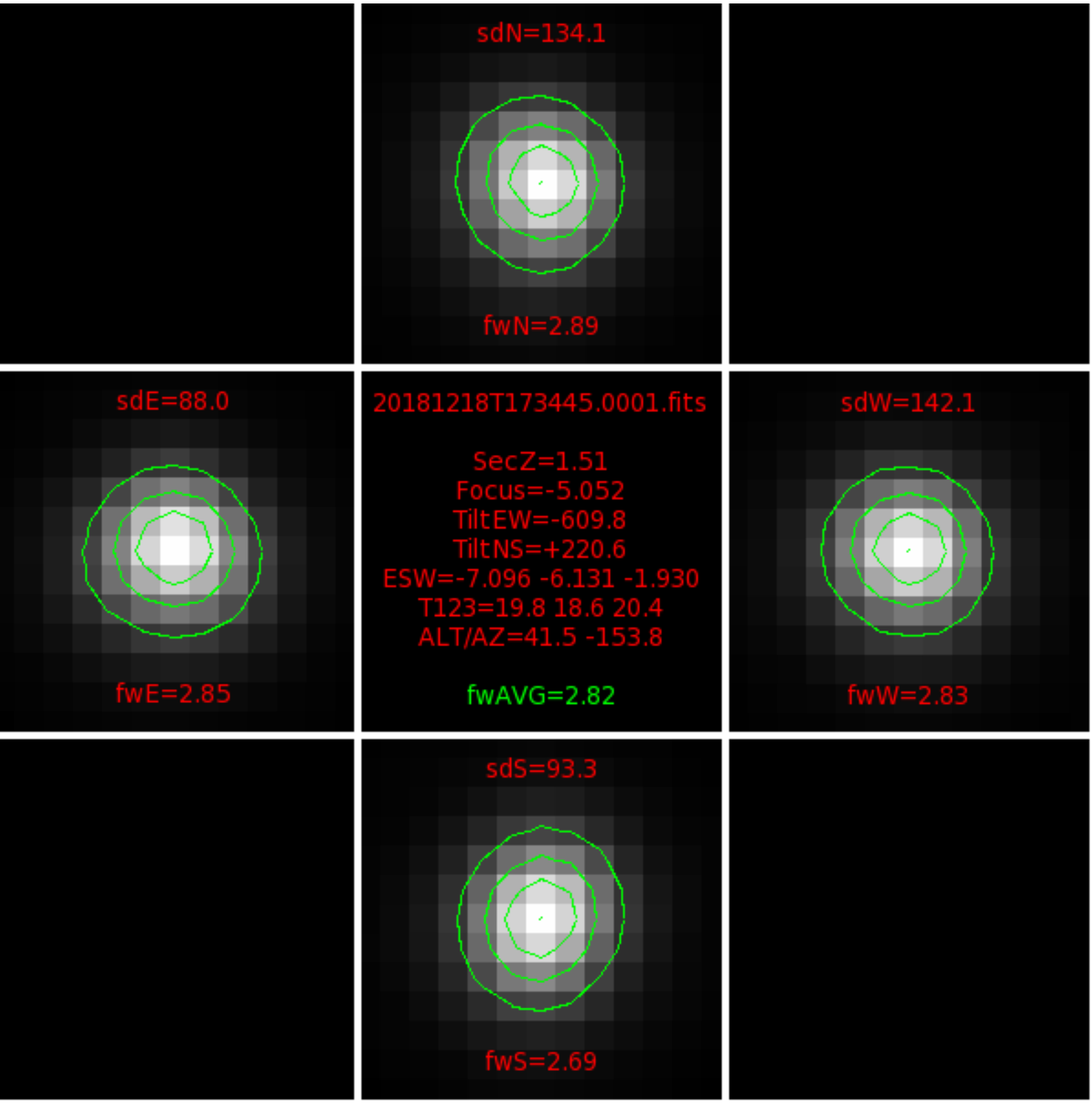
sdN=134.1
fwN=2.89
sdE=88.0
fwE=2.85
20181218T173445.0001.fits
SecZ=1.51
Focus=-5.052
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.096 -6.131 -1.930
T123=19.8 18.6 20.4
ALT/AZ=41.5 -153.8
fwAVG=2.82
sdW=142.1
fwW=2.83
sdS=93.3
fwS=2.69
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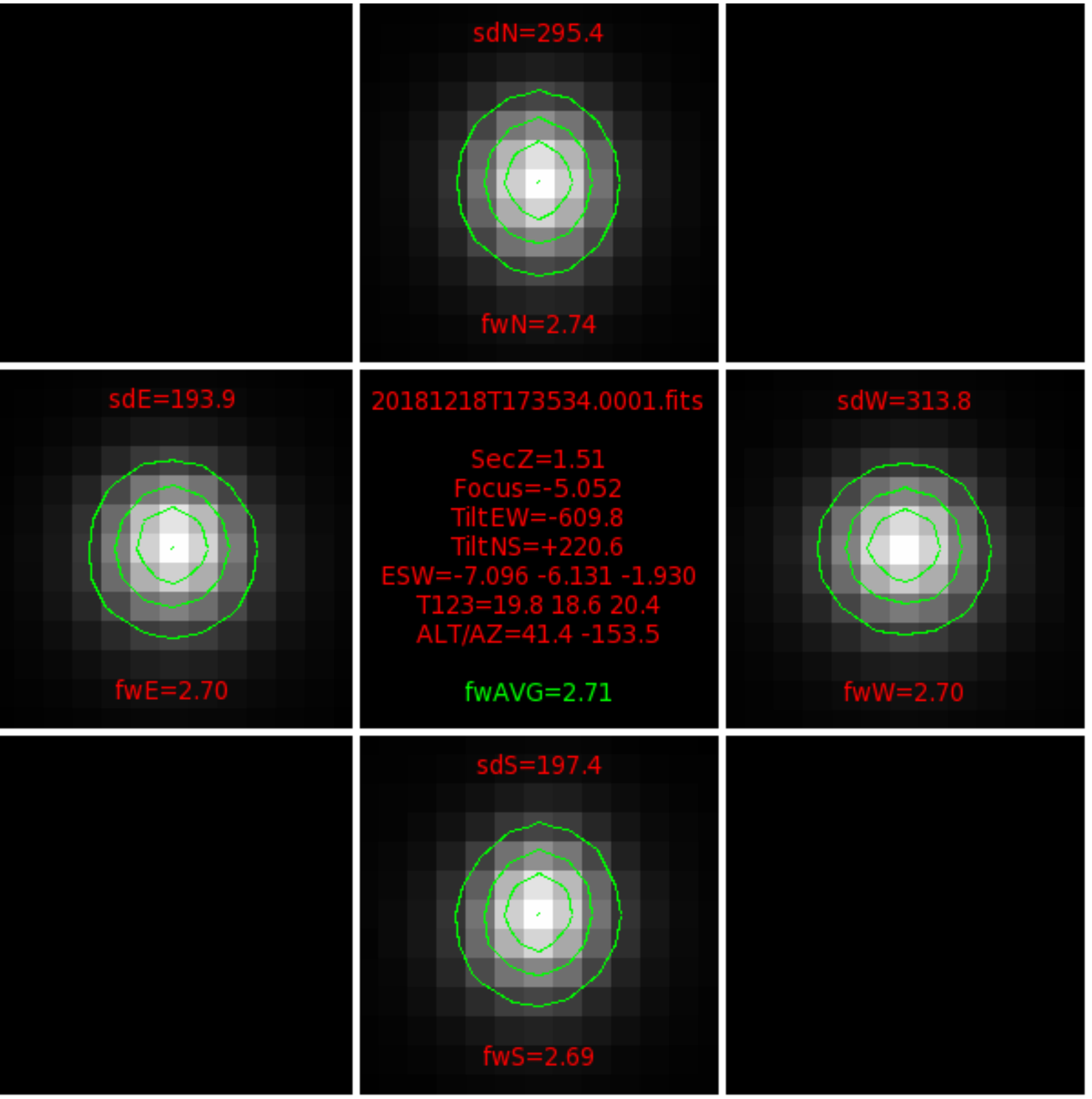
sdN=295.4
fwN=2.74
sdE=193.9
fwE=2.70
20181218T173534.0001.fits
SecZ=1.51
Focus=-5.052
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.096 -6.131 -1.930
T123=19.8 18.6 20.4
ALT/AZ=41.4 -153.5
fwAVG=2.71
sdW=313.8
fwW=2.70
sdS=197.4
fwS=2.69
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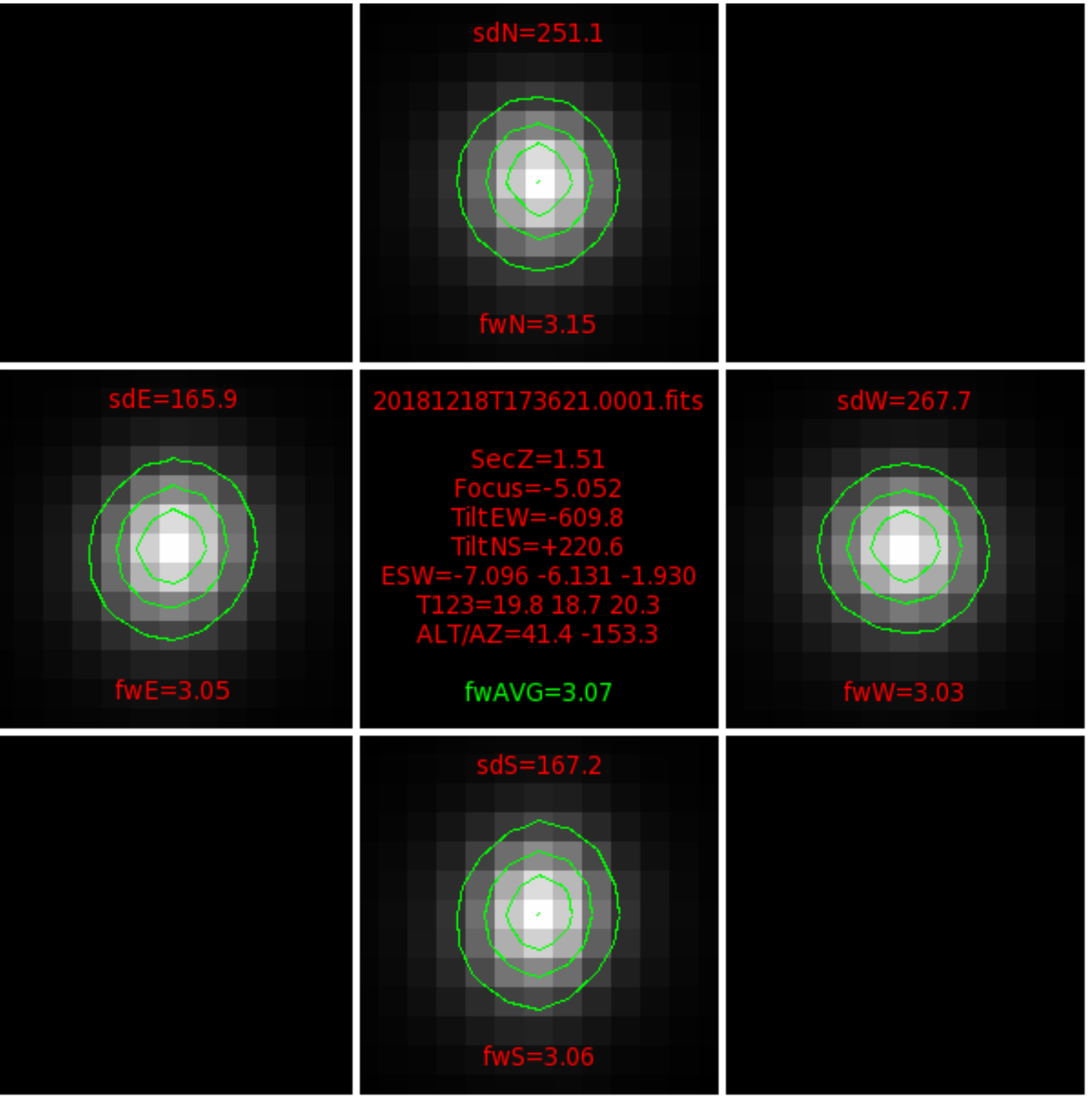
sdN=251.1
fwN=3.15
sdE=165.9
fwE=3.05
20181218T173621.0001.fits
SecZ=1.51
Focus=-5.052
TiltEW=-609.8
TiltNS=+220.6
ESW=-7.096 -6.131 -1.930
T123=19.8 18.7 20.3
ALT/AZ=41.4 -153.3
fwAVG=3.07
sdW=267.7
fwW=3.03
sdS=167.2
fwS=3.06
0 0 0 0 0 0 0 0 0