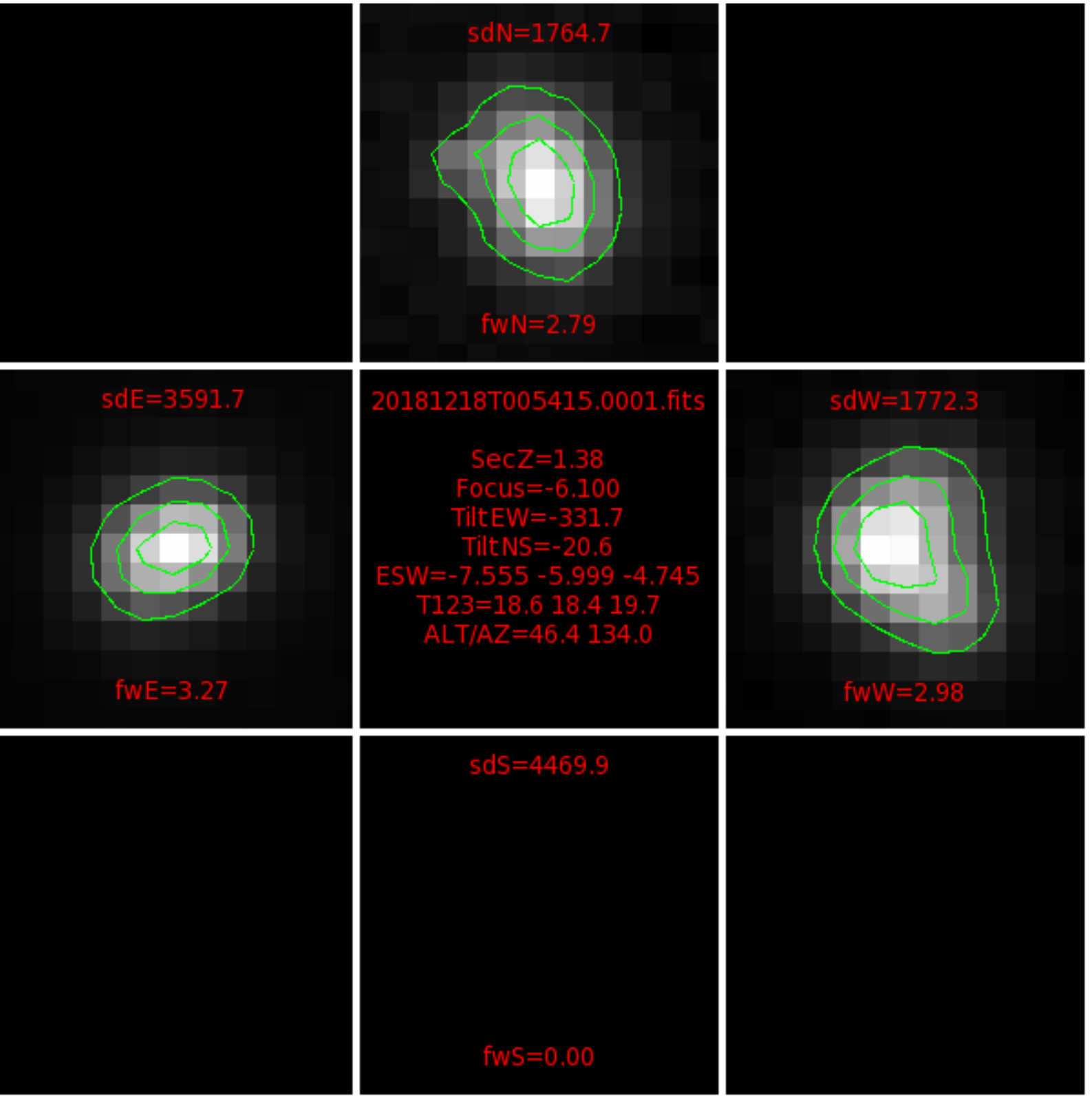
sdN=1764.7
fwN=2.79
sdE=3591.7
fwE=3.27
20181218T005415.0001.fits
SecZ=1.38
Focus=-6.100
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.555 -5.999 -4.745
T123=18.6 18.4 19.7
ALT/AZ=46.4 134.0
sdW=1772.3
fwW=2.98
sdS=4469.9
fwS=0.00
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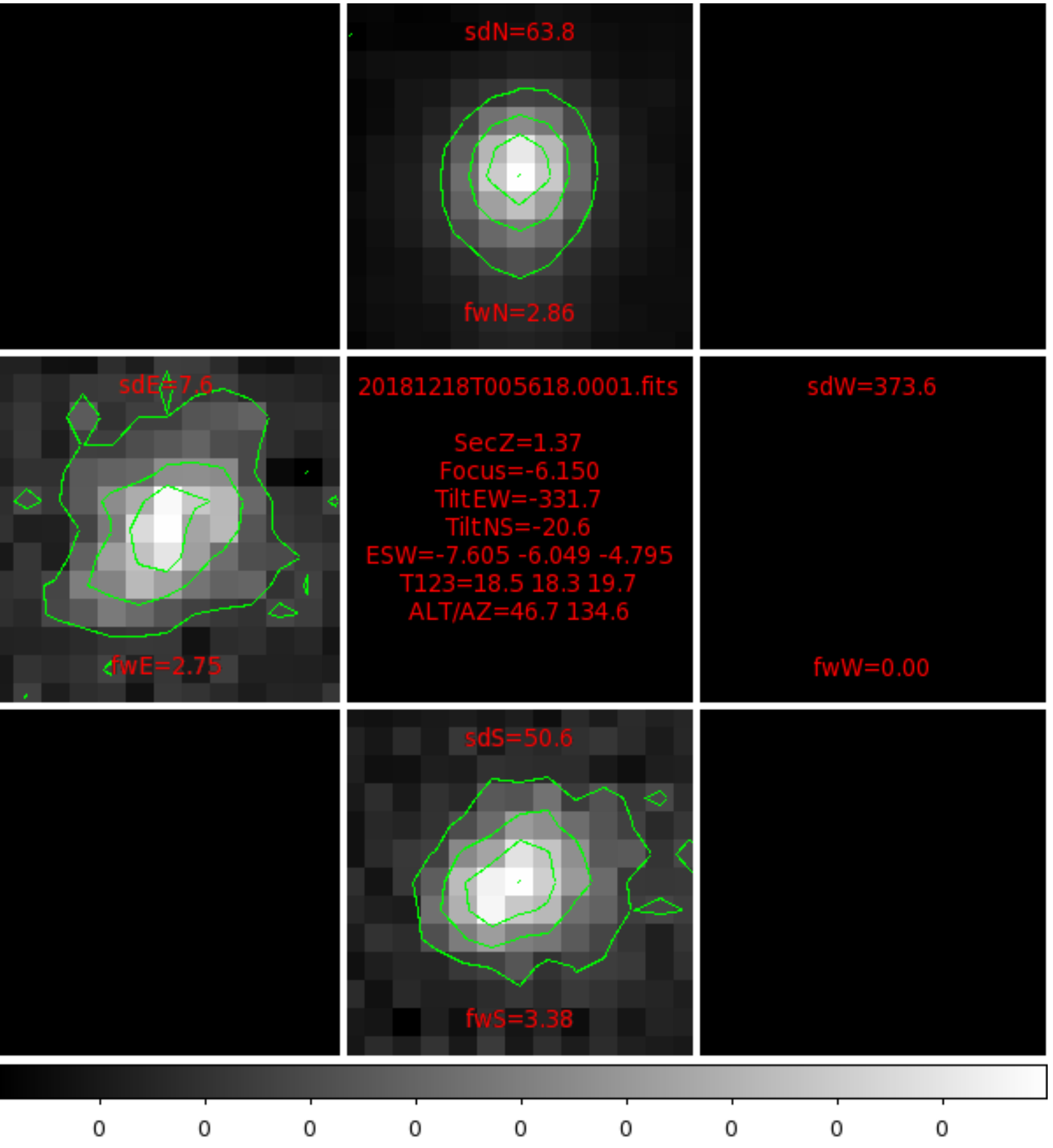
sdN=63.8
fwN=2.86
sdE=7.6
fwE=2.75
20181218T005618.0001.fits
SecZ=1.37
Focus=-6.150
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.605 -6.049 -4.795
T123=18.5 18.3 19.7
ALT/AZ=46.7 134.6
sdW=373.6
fwW=0.00
sdS=50.6
fwS=3.38
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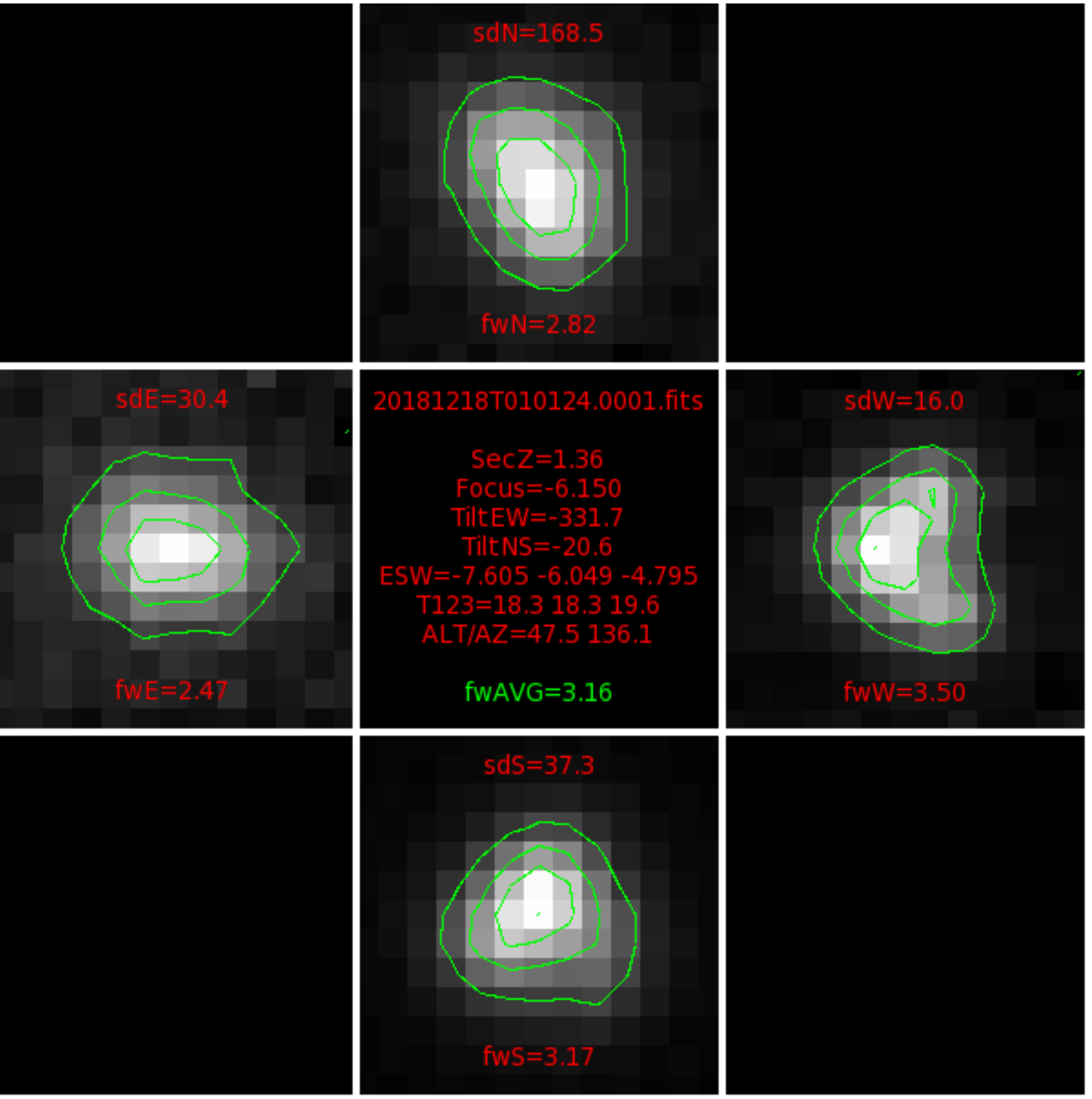
sdN=168.5
fwN=2.82
sdE=30.4
fwE=2.47
20181218T010124.0001.fits
SecZ=1.36
Focus=-6.150
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.605 -6.049 -4.795
T123=18.3 18.3 19.6
ALT/AZ=47.5 136.1
fwAVG=3.16
sdW=16.0
fwW=3.50
sdS=37.3
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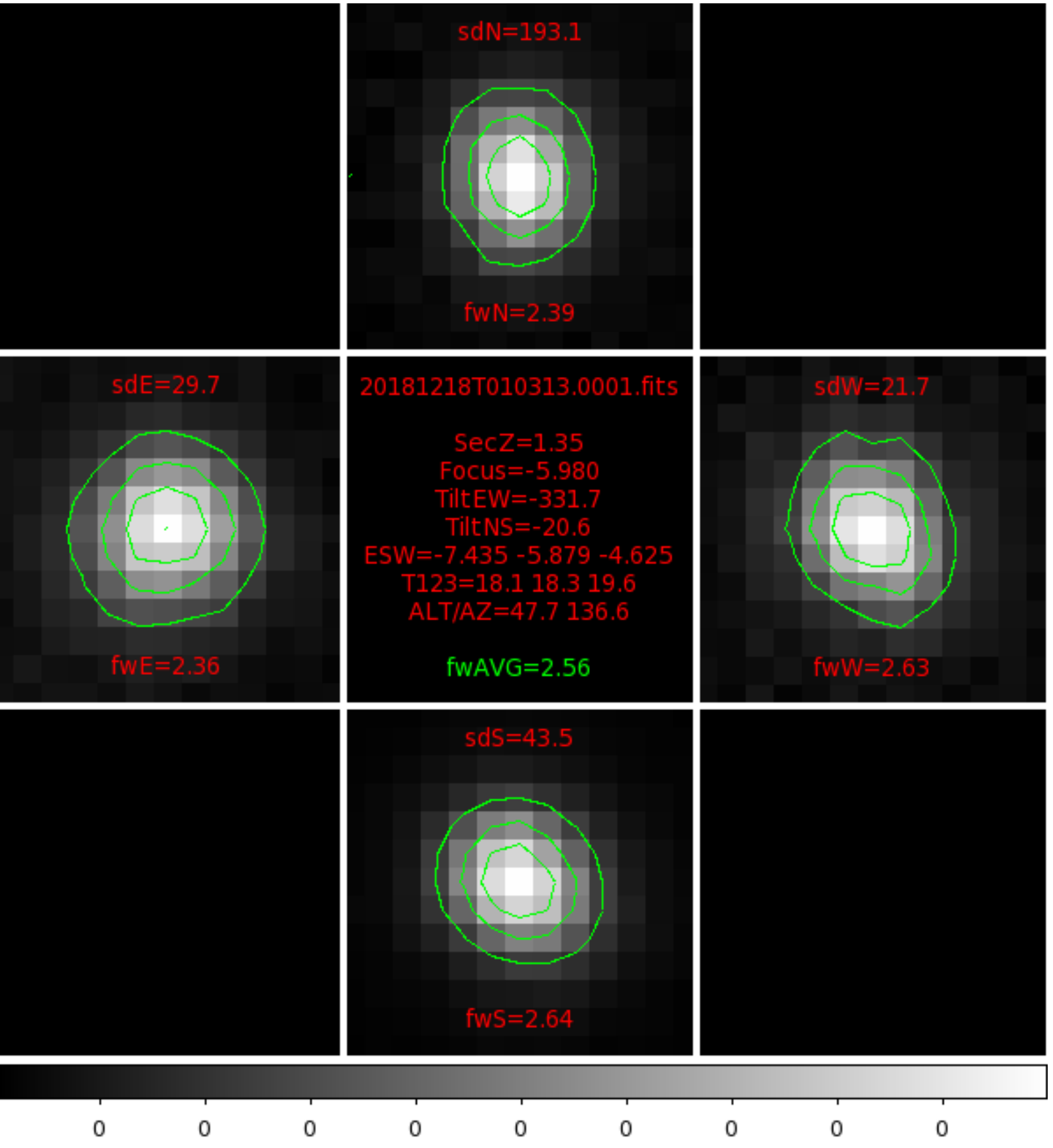
sdN=193.1
fwN=2.39
sdE=29.7
fwE=2.36
20181218T010313.0001.fits
SecZ=1.35
Focus=-5.980
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.435 -5.879 -4.625
T123=18.1 18.3 19.6
ALT/AZ=47.7 136.6
fwAVG=2.56
sdW=21.7
fwW=2.63
sdS=43.5
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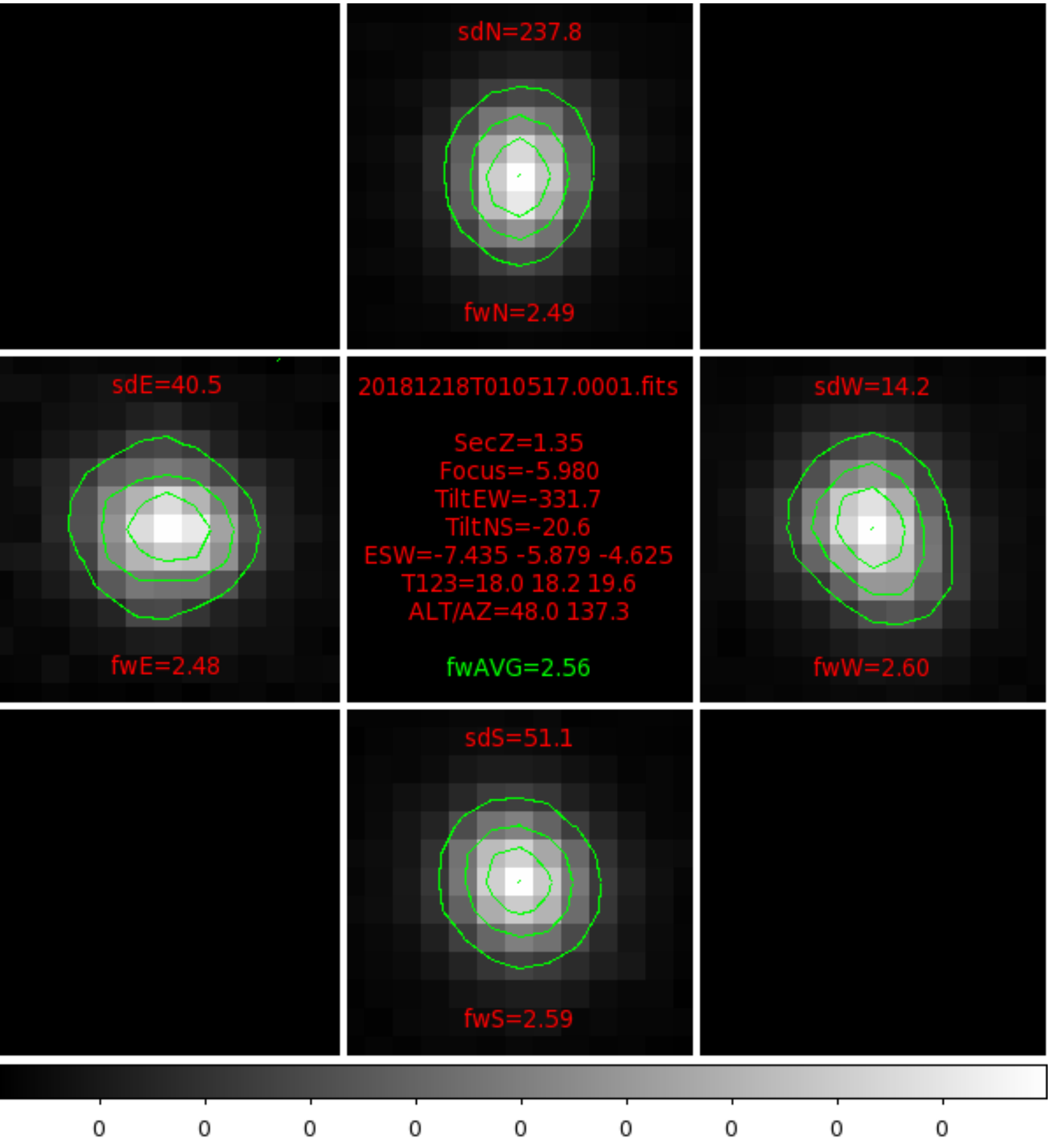
sdN=237.8
fwN=2.49
sdE=40.5
fwE=2.48
20181218T010517.0001.fits
SecZ=1.35
Focus=-5.980
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.435 -5.879 -4.625
T123=18.0 18.2 19.6
ALT/AZ=48.0 137.3
fwAVG=2.56
sdW=14.2
fwW=2.60
sdS=51.1
fwS=2.59
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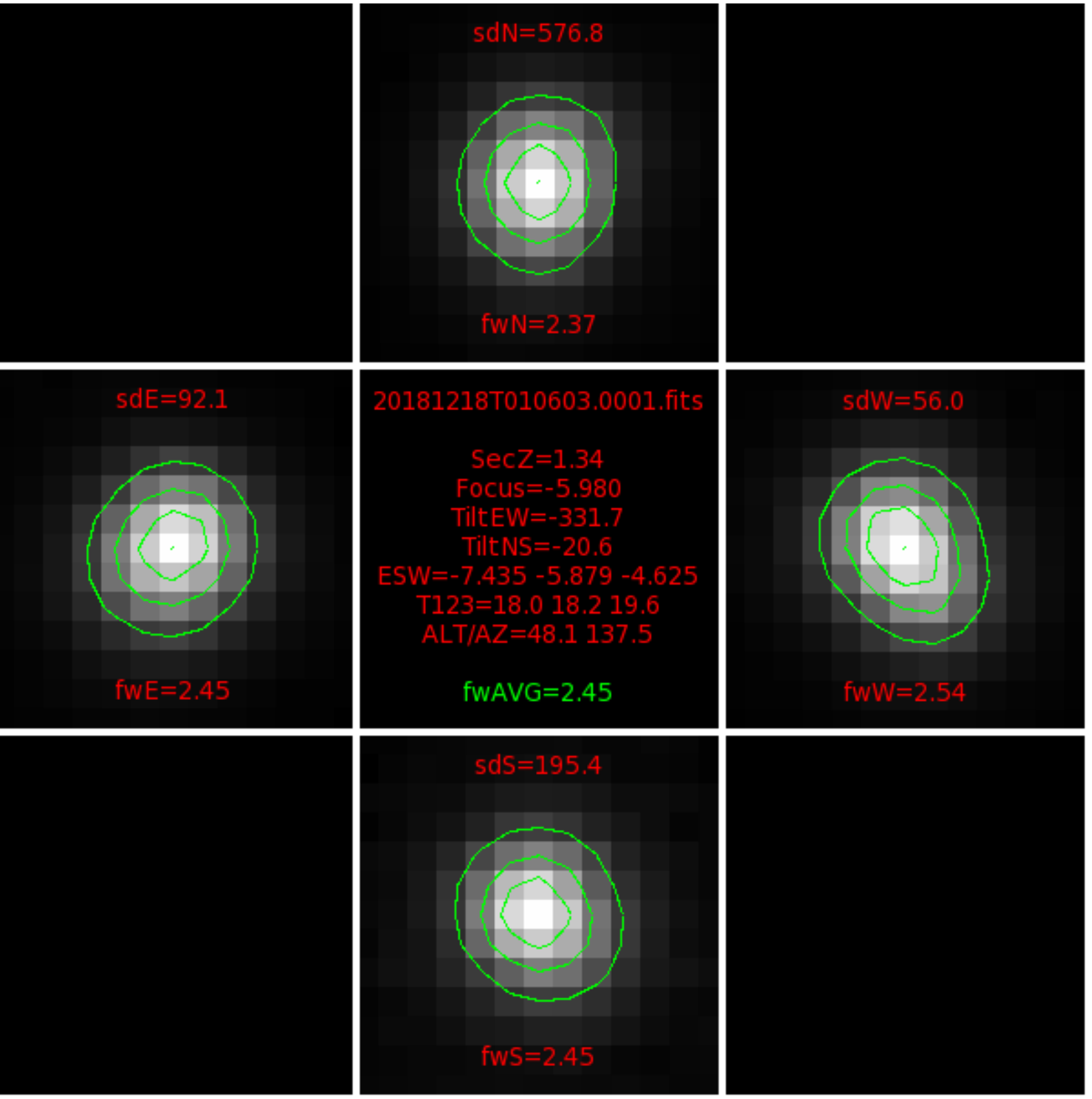
sdN=576.8
fwN=2.37
sdE=92.1
fwE=2.45
20181218T010603.0001.fits
SecZ=1.34
Focus=-5.980
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.435 -5.879 -4.625
T123=18.0 18.2 19.6
ALT/AZ=48.1 137.5
fwAVG=2.45
sdW=56.0
fwW=2.54
sdS=195.4
fwS=2.45
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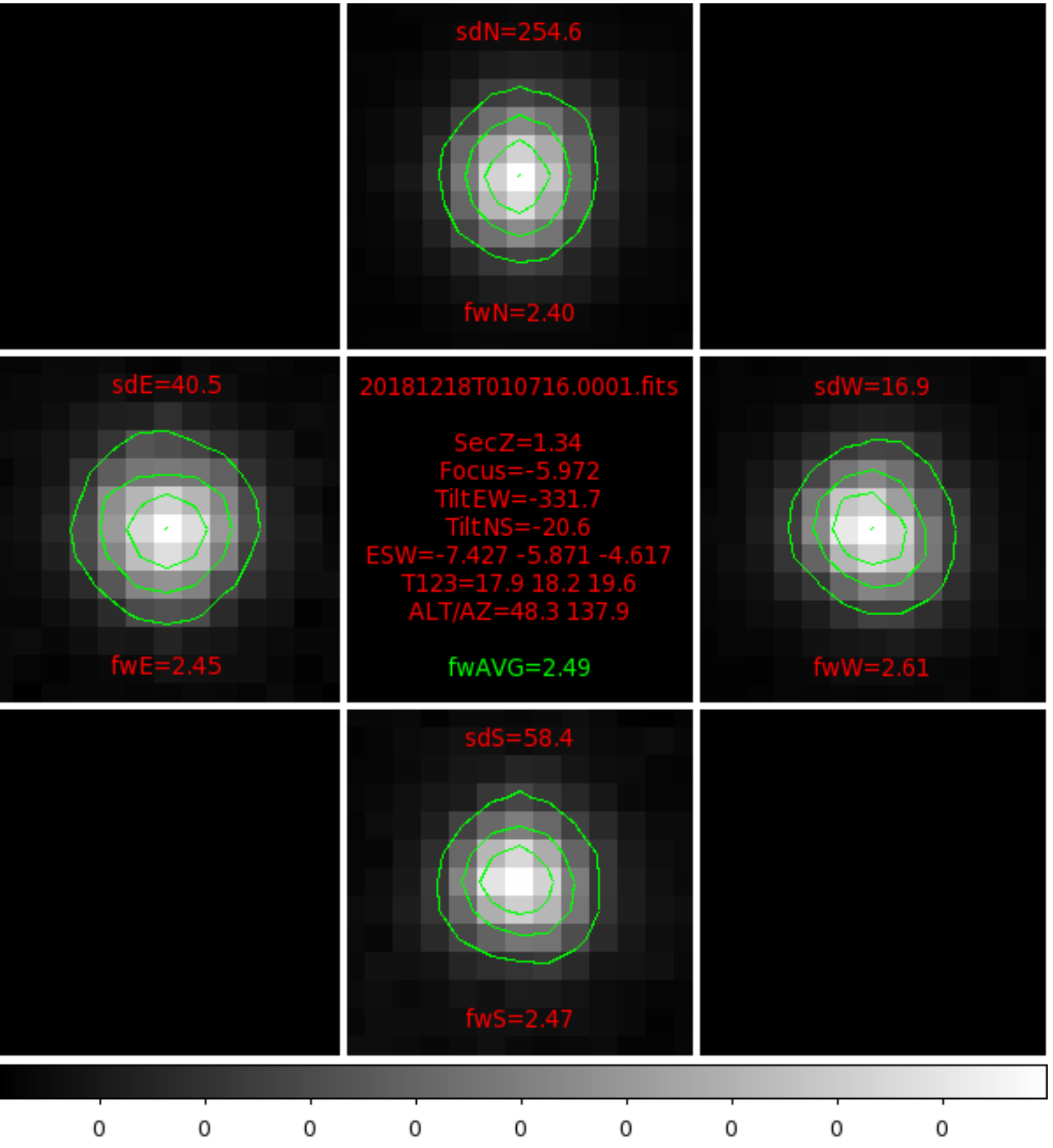
sdN=254.6
fwN=2.40
sdE=40.5
fwE=2.45
20181218T010716.0001.fits
SecZ=1.34
Focus=-5.972
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.427 -5.871 -4.617
T123=17.9 18.2 19.6
ALT/AZ=48.3 137.9
fwAVG=2.49
sdW=16.9
fwW=2.61
sdS=58.4
fwS=2.47
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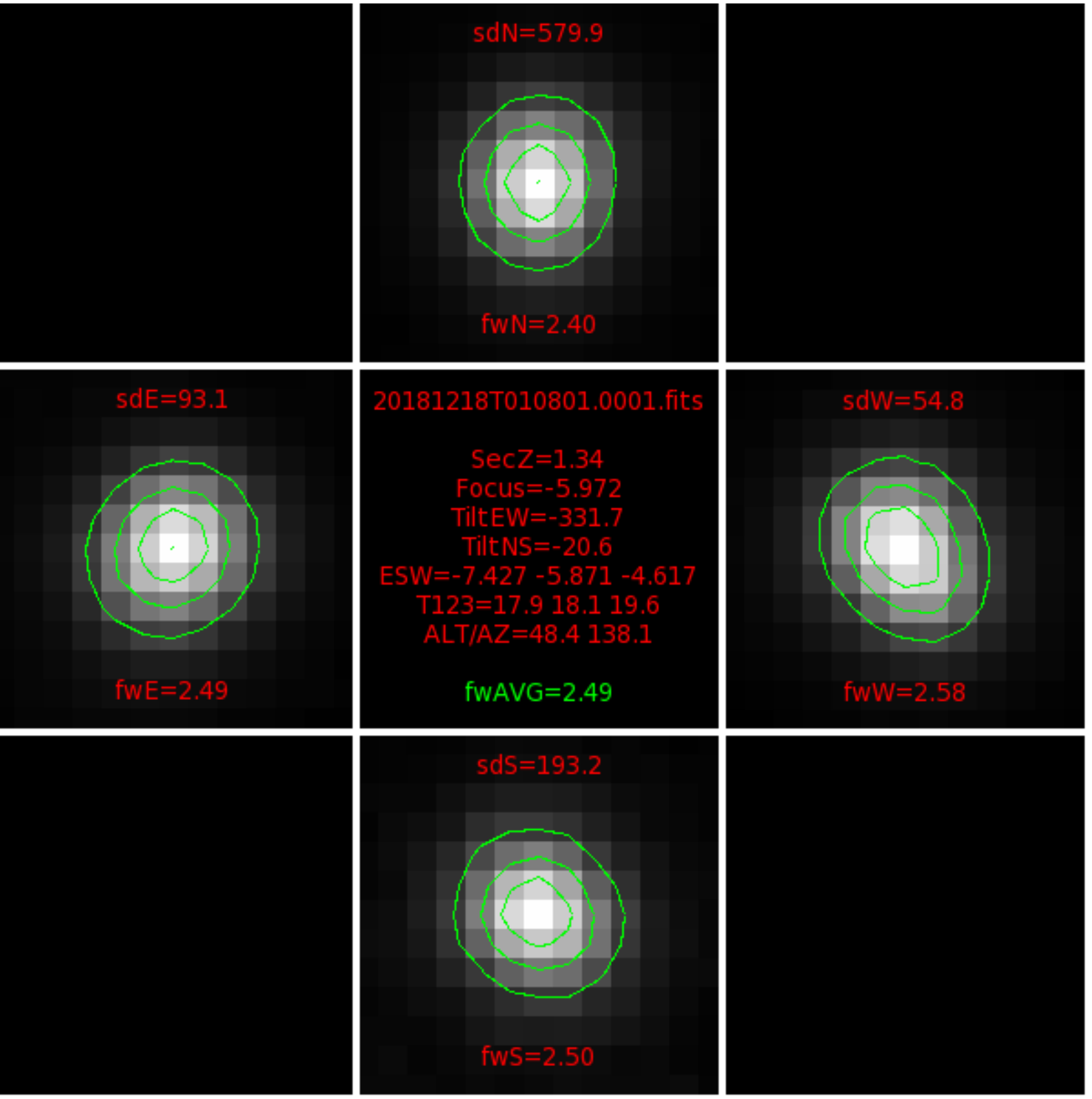
sdN=579.9
fwN=2.40
sdE=93.1
fwE=2.49
20181218T010801.0001.fits
SecZ=1.34
Focus=-5.972
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.427 -5.871 -4.617
T123=17.9 18.1 19.6
ALT/AZ=48.4 138.1
fwAVG=2.49
sdW=54.8
fwW=2.58
sdS=193.2
fwS=2.50
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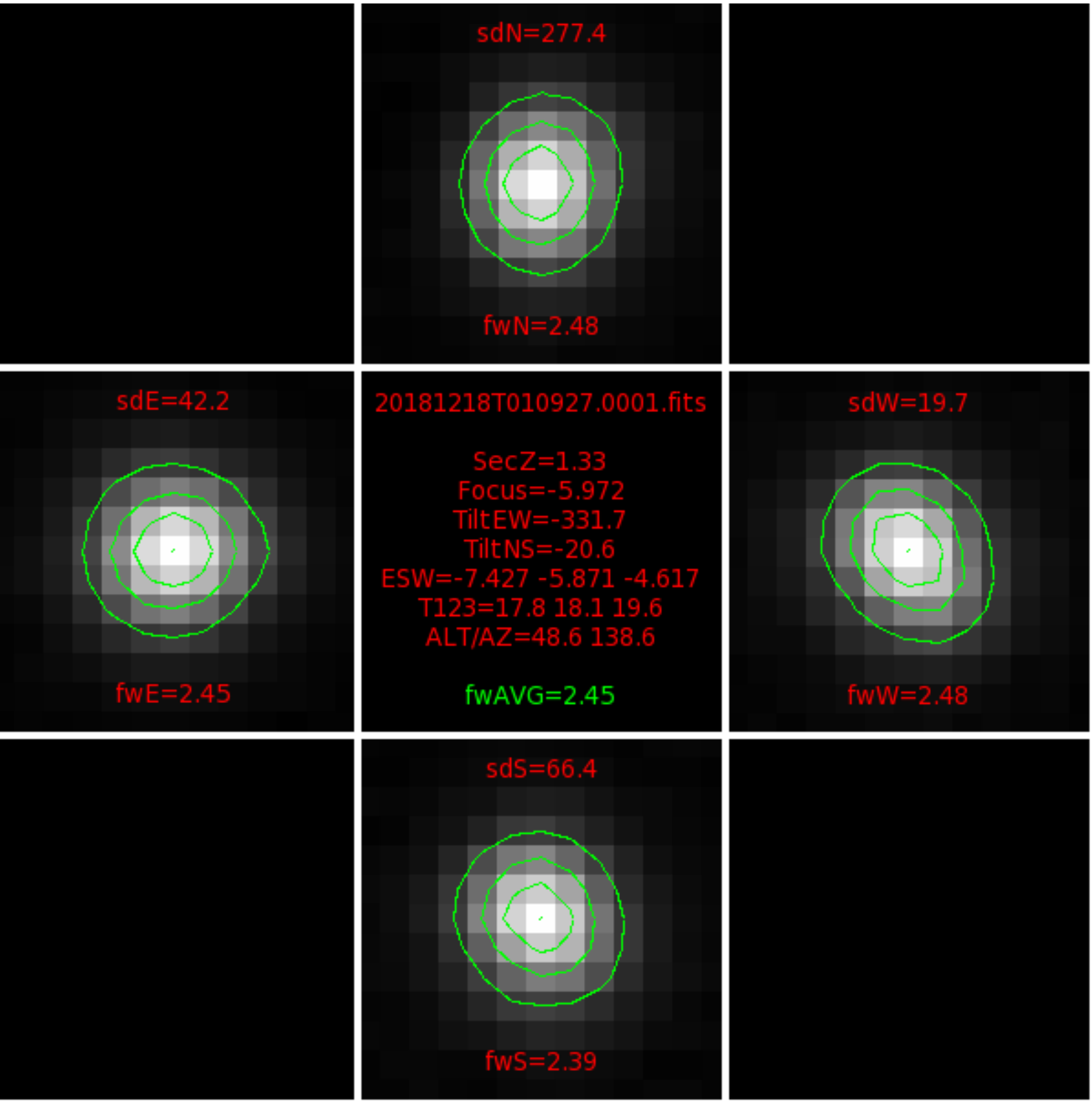
sdN=277.4
fwN=2.48
sdE=42.2
fwE=2.45
20181218T010927.0001.fits
SecZ=1.33
Focus=-5.972
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.427 -5.871 -4.617
T123=17.8 18.1 19.6
ALT/AZ=48.6 138.6
fwAVG=2.45
sdW=19.7
fwW=2.48
sdS=66.4
fwS=2.39
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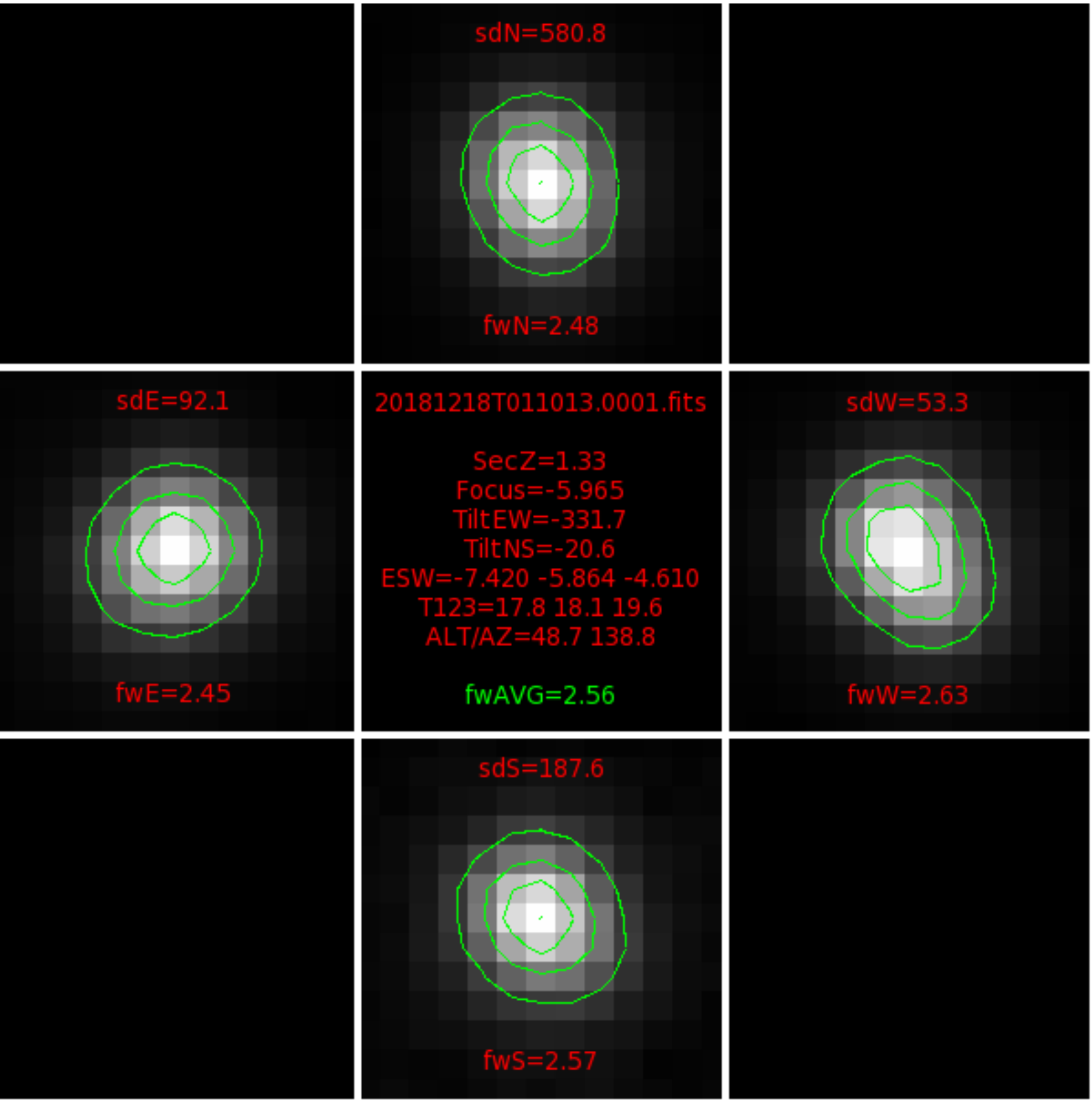
sdN=580.8
fwN=2.48
sdE=92.1
fwE=2.45
20181218T011013.0001.fits
SecZ=1.33
Focus=-5.965
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.420 -5.864 -4.610
T123=17.8 18.1 19.6
ALT/AZ=48.7 138.8
fwAVG=2.56
sdW=53.3
fwW=2.63
sdS=187.6
fwS=2.57
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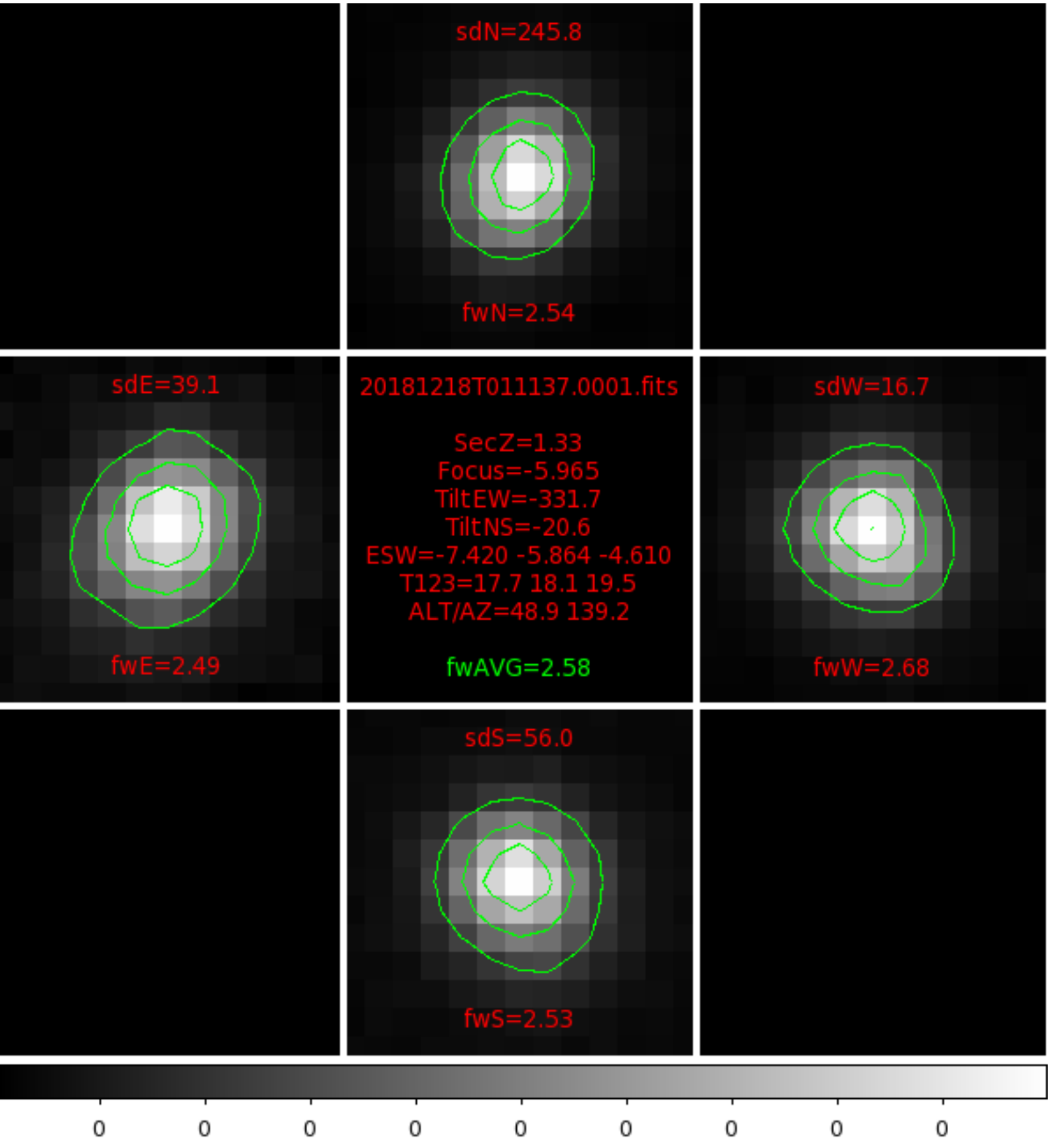
sdN=245.8
fwN=2.54
sdE=39.1
fwE=2.49
20181218T011137.0001.fits
SecZ=1.33
Focus=-5.965
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.420 -5.864 -4.610
T123=17.7 18.1 19.5
ALT/AZ=48.9 139.2
fwAVG=2.58
sdW=16.7
fwW=2.68
sdS=56.0
fwS=2.53
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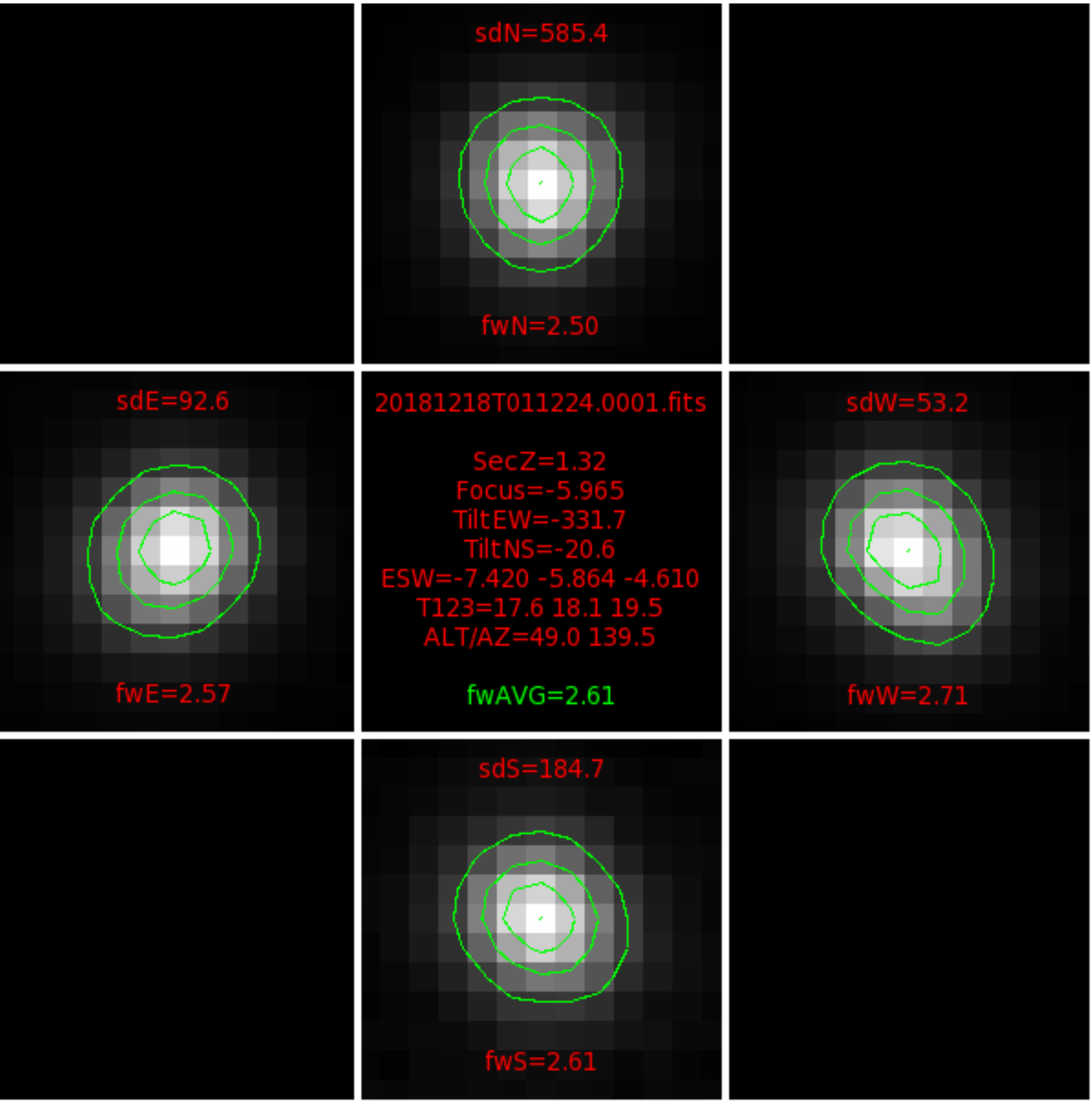
sdN=585.4
fwN=2.50
sdE=92.6
fwE=2.57
20181218T011224.0001.fits
SecZ=1.32
Focus=-5.965
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.420 -5.864 -4.610
T123=17.6 18.1 19.5
ALT/AZ=49.0 139.5
fwAVG=2.61
sdW=53.2
fwW=2.71
sdS=184.7
fwS=2.61
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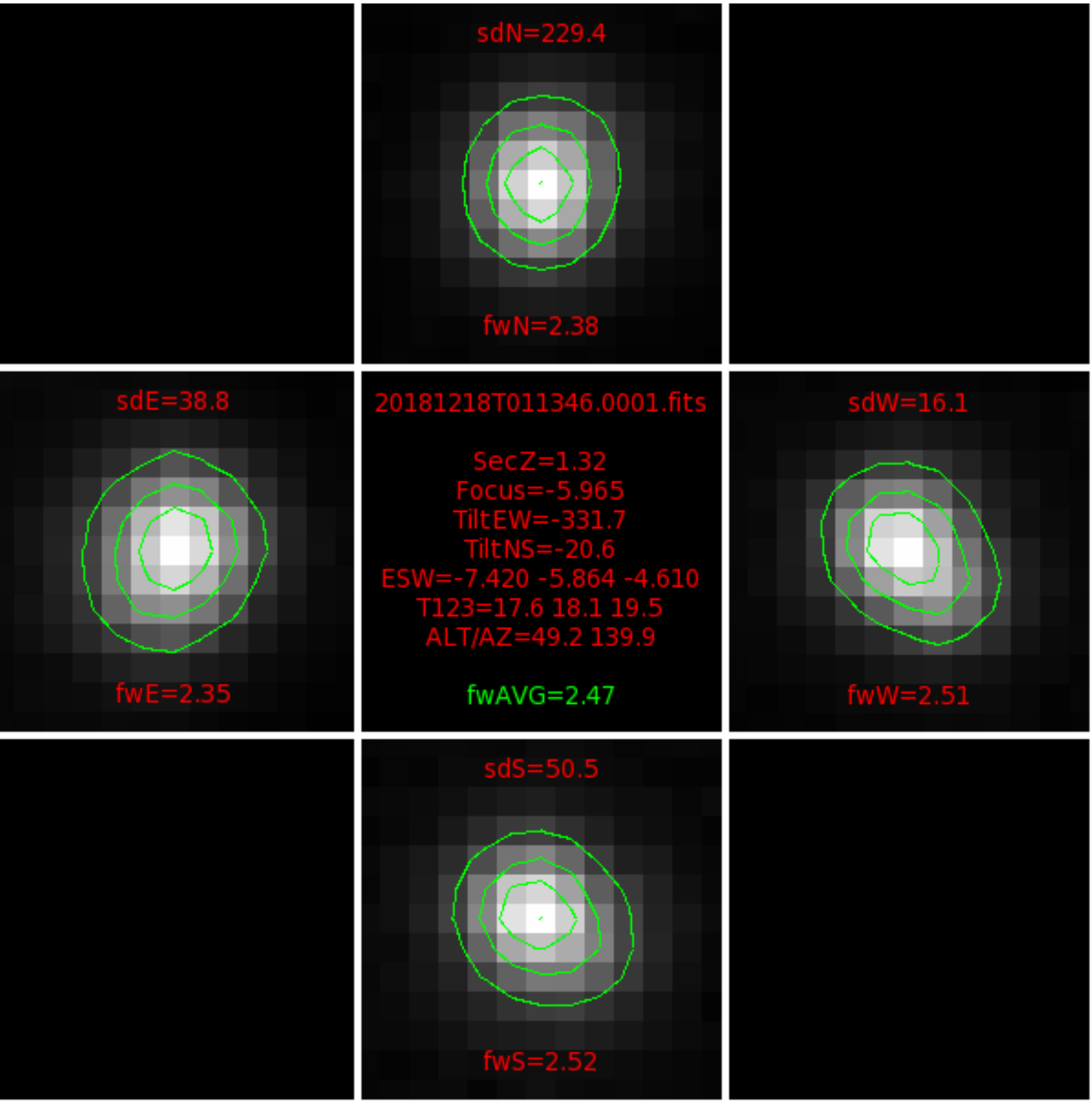
sdN=229.4
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sdE=38.8
fwE=2.35
20181218T011346.0001.fits
SecZ=1.32
Focus=-5.965
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.420 -5.864 -4.610
T123=17.6 18.1 19.5
ALT/AZ=49.2 139.9
fwAVG=2.47
sdW=16.1
fwW=2.51
sdS=50.5
fwS=2.52
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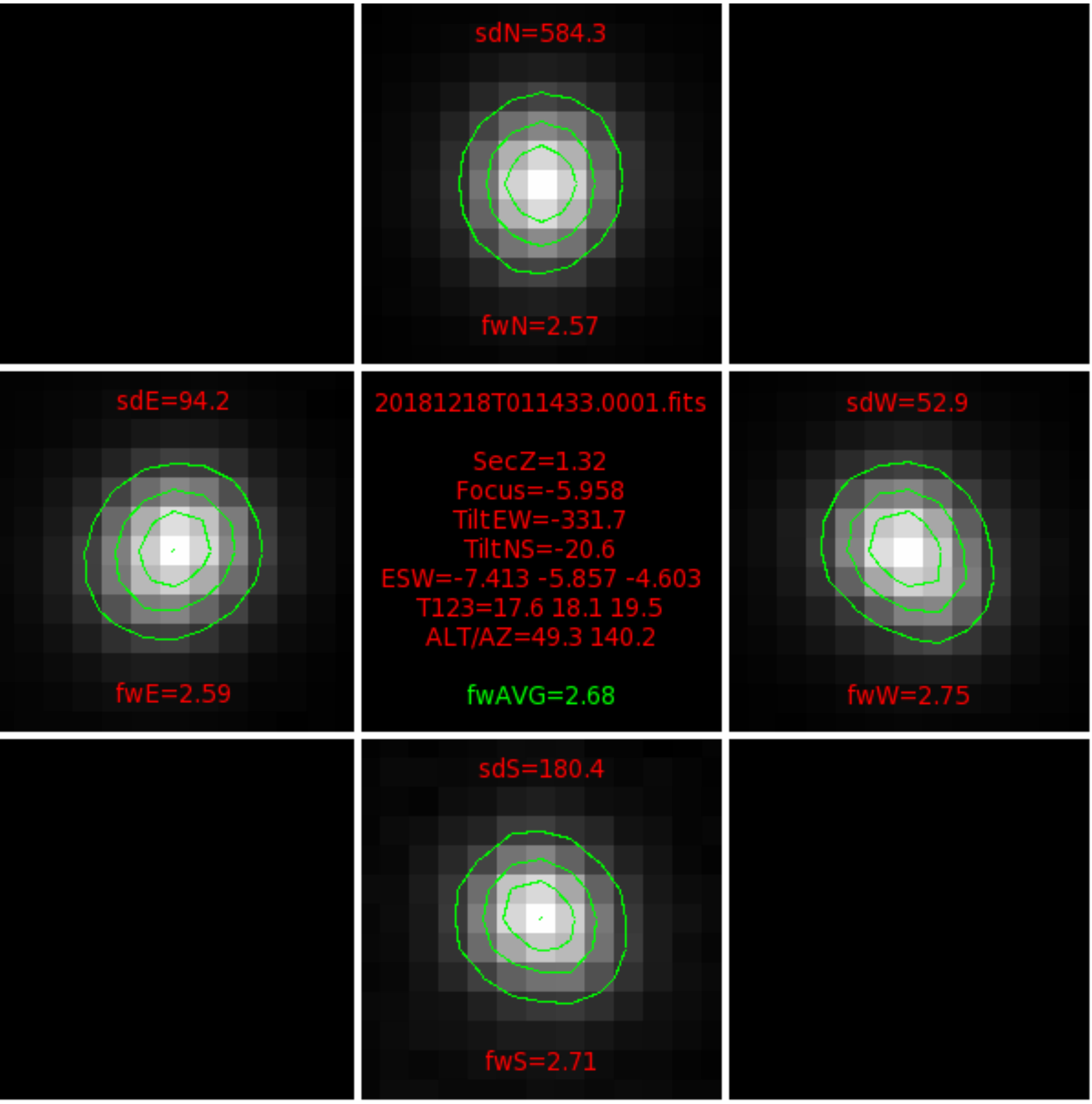
sdN=584.3
fwN=2.57
sdE=94.2
fwE=2.59
20181218T011433.0001.fits
SecZ=1.32
Focus=-5.958
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.413 -5.857 -4.603
T123=17.6 18.1 19.5
ALT/AZ=49.3 140.2
fwAVG=2.68
sdW=52.9
fwW=2.75
sdS=180.4
fwS=2.71
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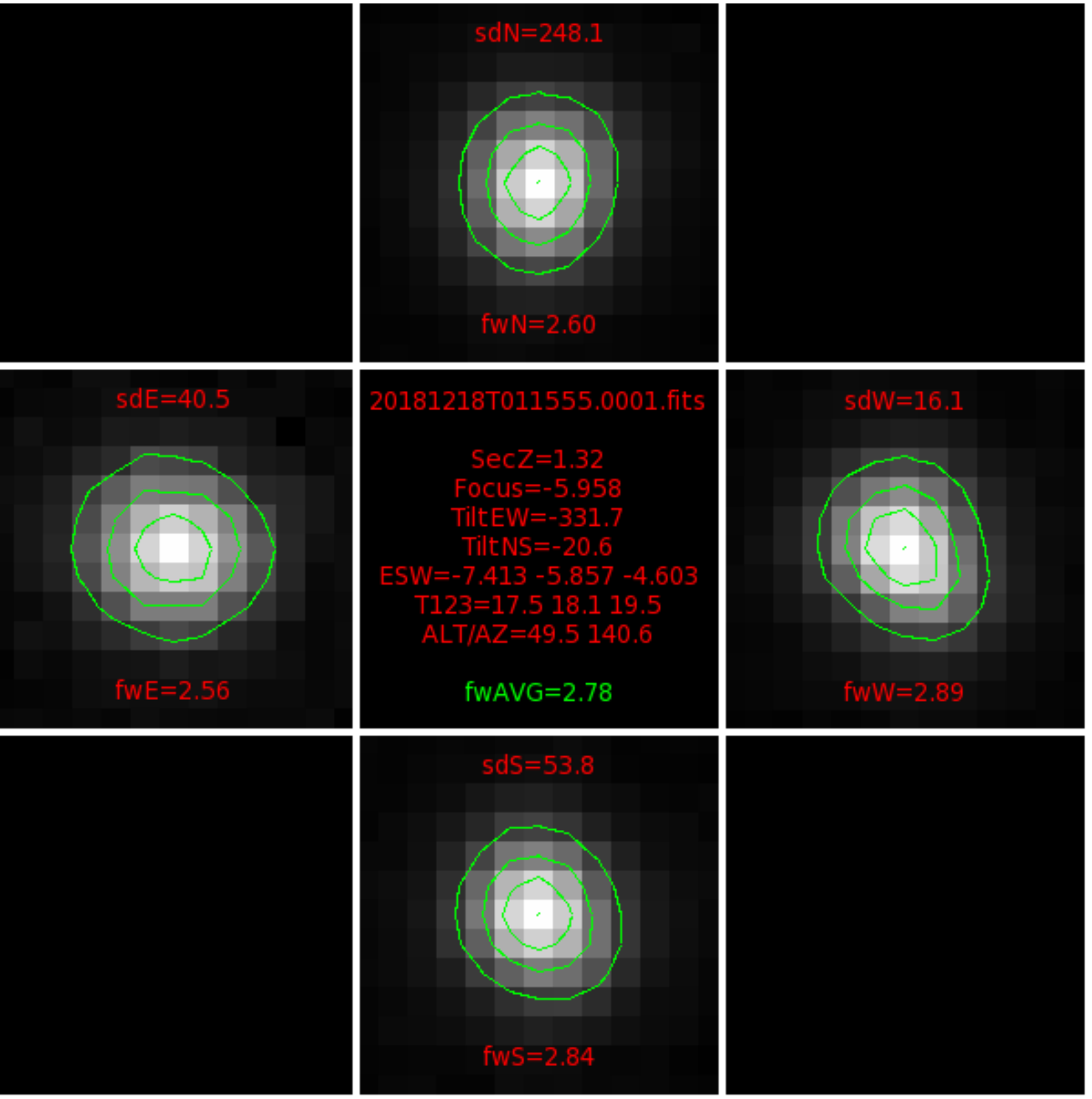
sdN=248.1
fwN=2.60
sdE=40.5
fwE=2.56
20181218T011555.0001.fits
SecZ=1.32
Focus=-5.958
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.413 -5.857 -4.603
T123=17.5 18.1 19.5
ALT/AZ=49.5 140.6
fwAVG=2.78
sdW=16.1
fwW=2.89
sdS=53.8
fwS=2.84
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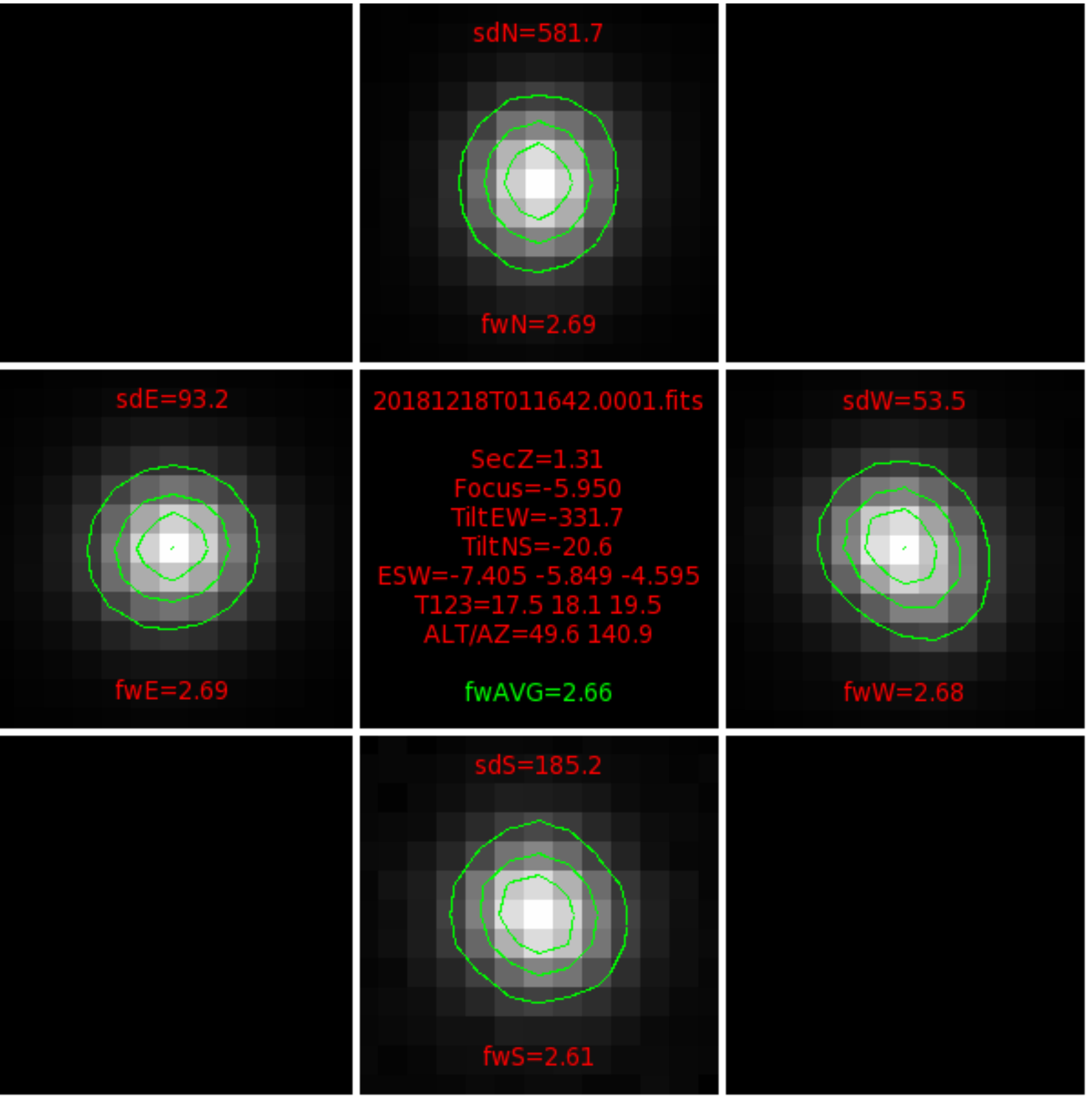
sdN=581.7
fwN=2.69
sdE=93.2
fwE=2.69
20181218T011642.0001.fits
SecZ=1.31
Focus=-5.950
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.405 -5.849 -4.595
T123=17.5 18.1 19.5
ALT/AZ=49.6 140.9
fwAVG=2.66
sdW=53.5
fwW=2.68
sdS=185.2
fwS=2.61
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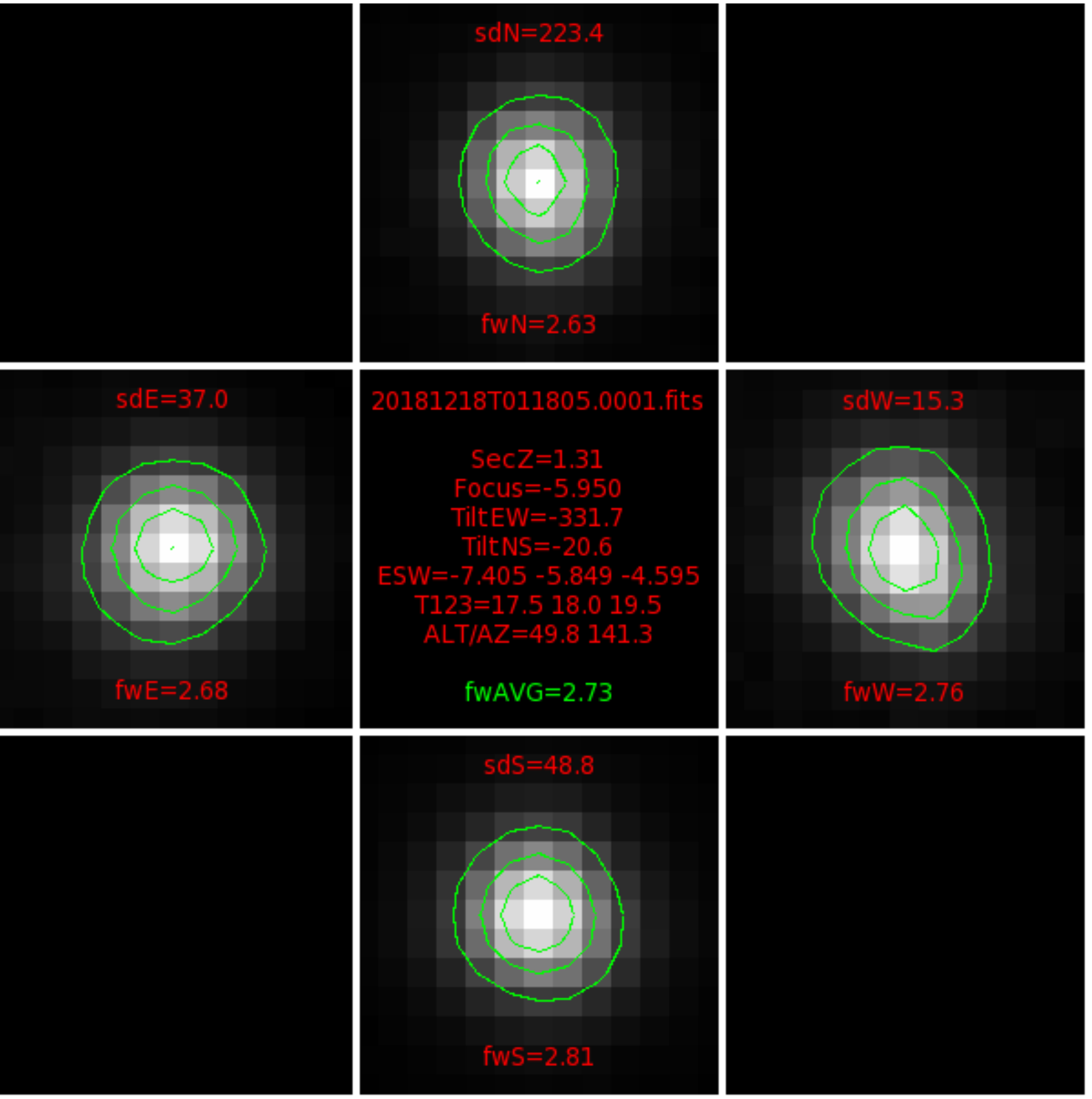
sdN=223.4
fwN=2.63
sdE=37.0
fwE=2.68
20181218T011805.0001.fits
SecZ=1.31
Focus=-5.950
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.405 -5.849 -4.595
T123=17.5 18.0 19.5
ALT/AZ=49.8 141.3
fwAVG=2.73
sdW=15.3
fwW=2.76
sdS=48.8
fwS=2.81
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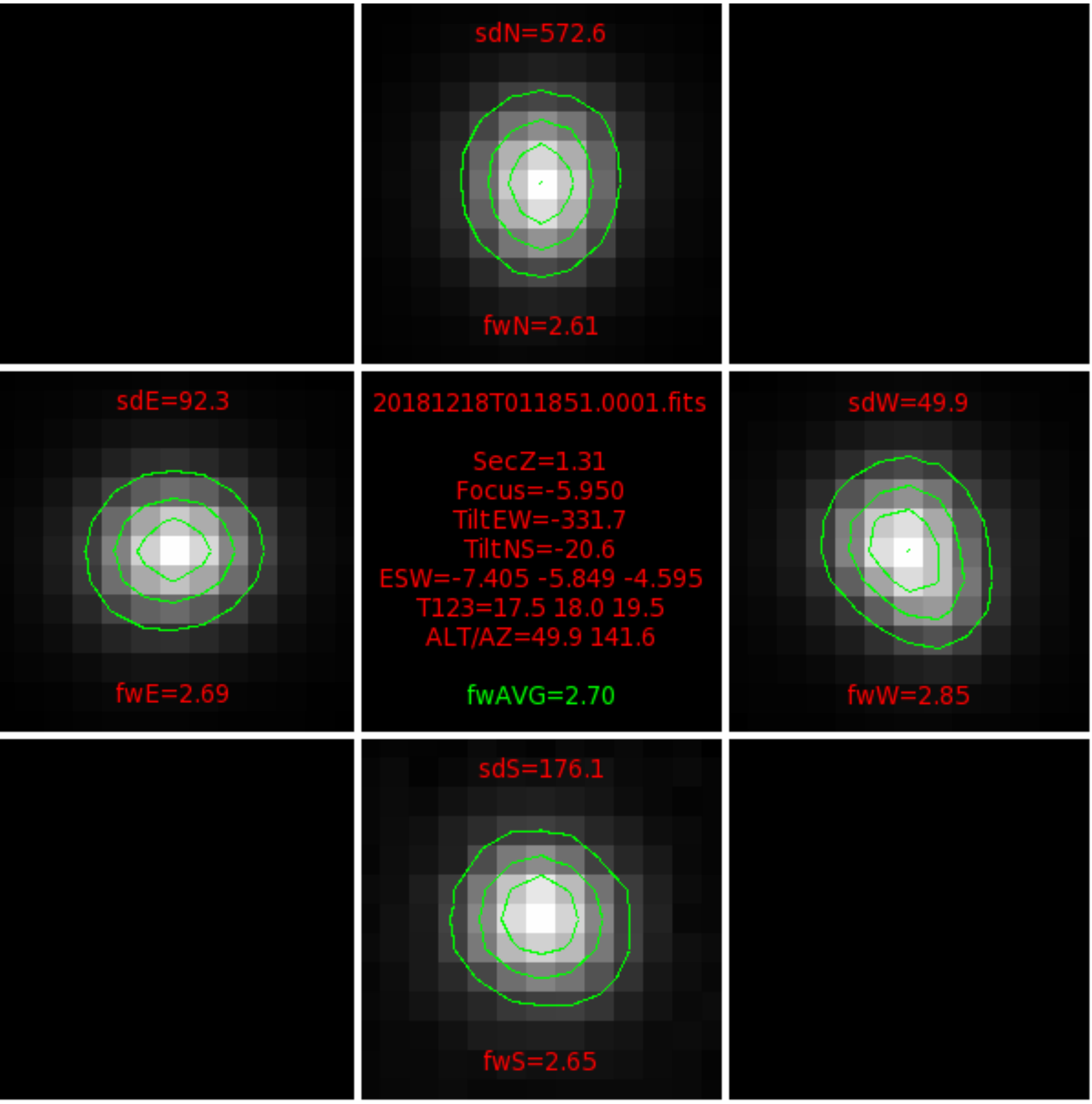
sdN=572.6
fwN=2.61
sdE=92.3
fwE=2.69
20181218T011851.0001.fits
SecZ=1.31
Focus=-5.950
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.405 -5.849 -4.595
T123=17.5 18.0 19.5
ALT/AZ=49.9 141.6
fwAVG=2.70
sdW=49.9
fwW=2.85
sdS=176.1
fwS=2.65
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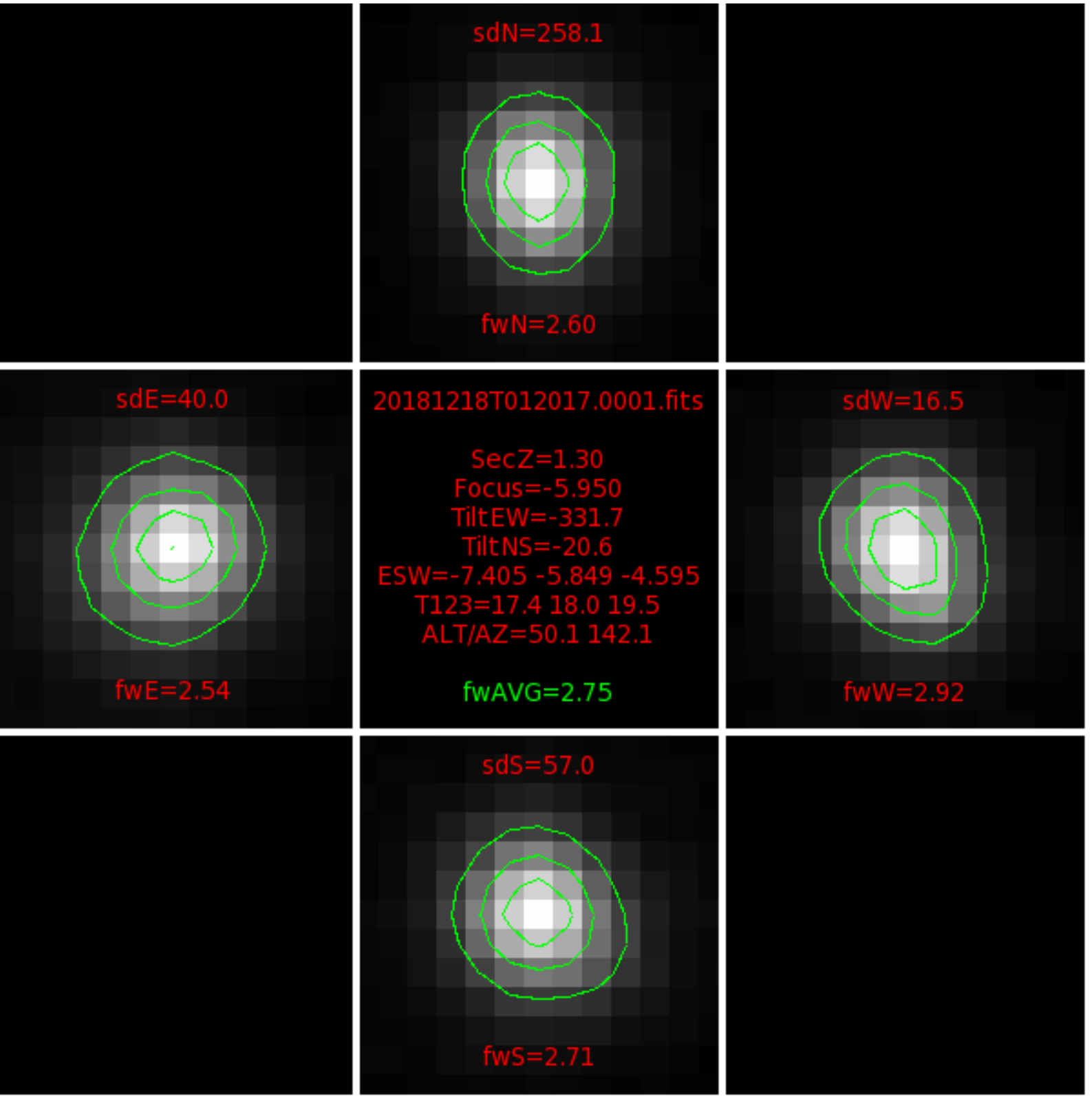
sdN=258.1
fwN=2.60
sdE=40.0
fwE=2.54
20181218T012017.0001.fits
SecZ=1.30
Focus=-5.950
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.405 -5.849 -4.595
T123=17.4 18.0 19.5
ALT/AZ=50.1 142.1
fwAVG=2.75
sdW=16.5
fwW=2.92
sdS=57.0
fwS=2.71
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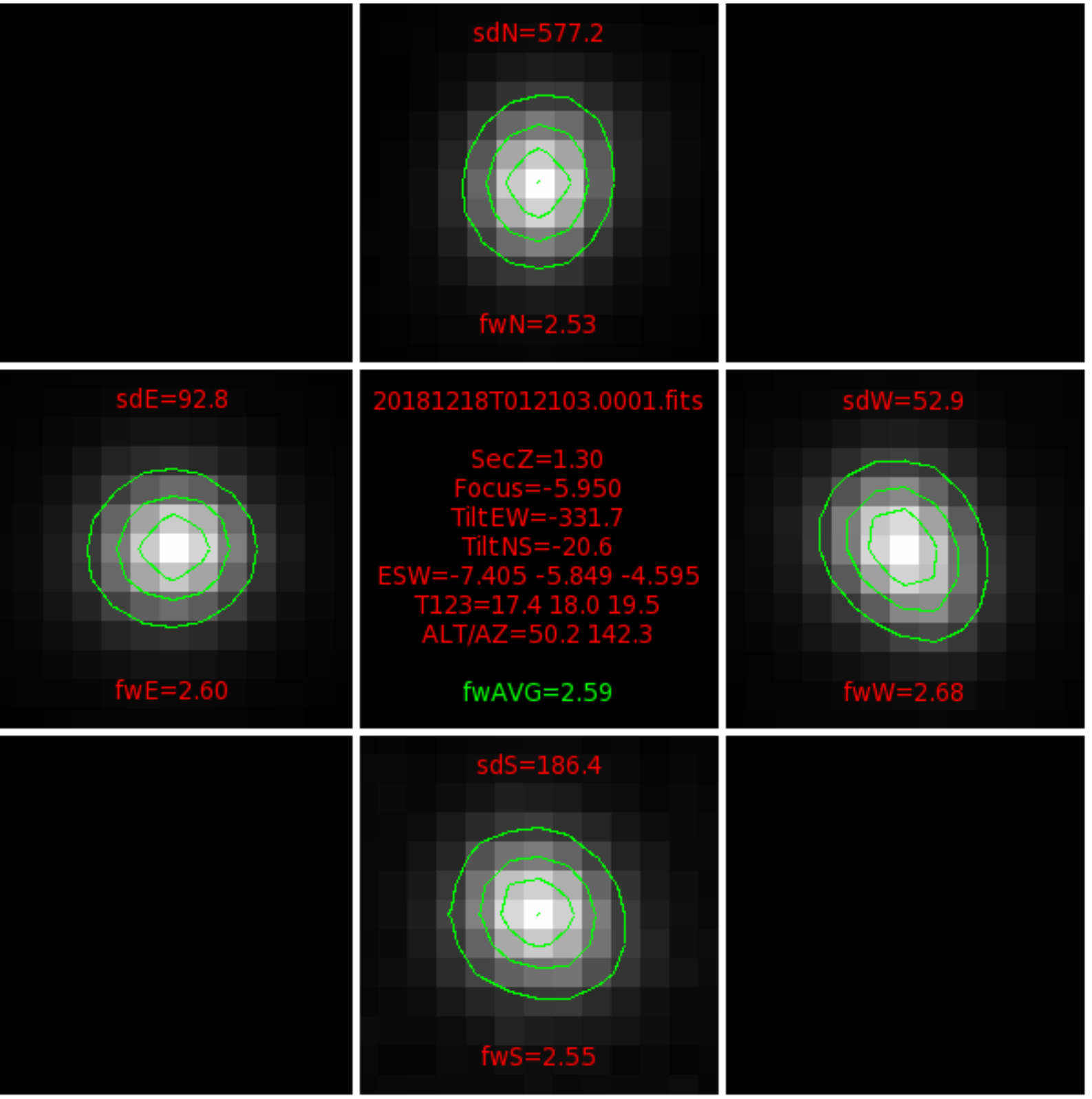
sdN=577.2
fwN=2.53
sdE=92.8
fwE=2.60
20181218T012103.0001.fits
SecZ=1.30
Focus=-5.950
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.405 -5.849 -4.595
T123=17.4 18.0 19.5
ALT/AZ=50.2 142.3
fwAVG=2.59
sdW=52.9
fwW=2.68
sdS=186.4
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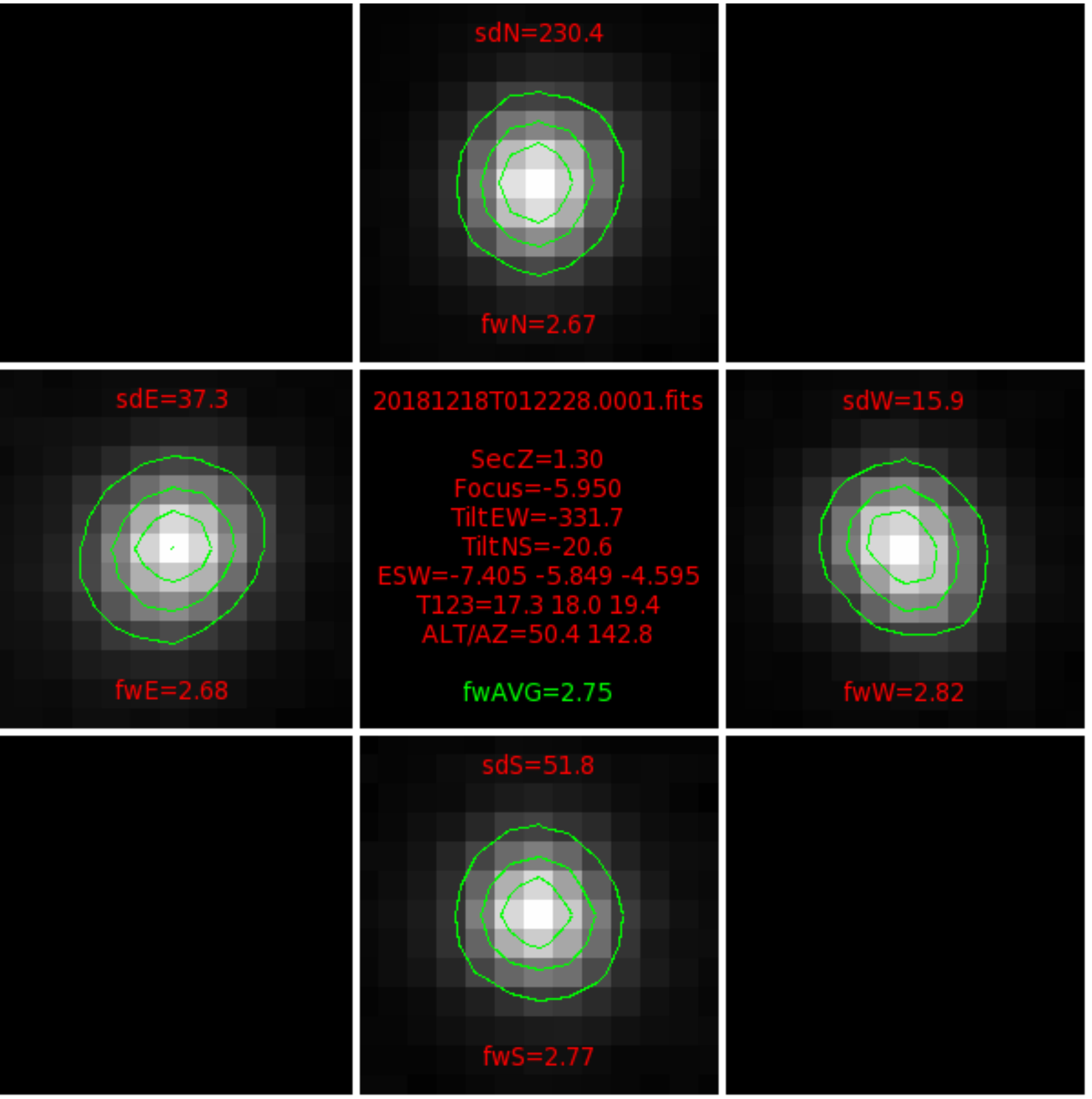
sdN=230.4
fwN=2.67
sdE=37.3
fwE=2.68
20181218T012228.0001.fits
SecZ=1.30
Focus=-5.950
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.405 -5.849 -4.595
T123=17.3 18.0 19.4
ALT/AZ=50.4 142.8
fwAVG=2.75
sdW=15.9
fwW=2.82
sdS=51.8
fwS=2.77
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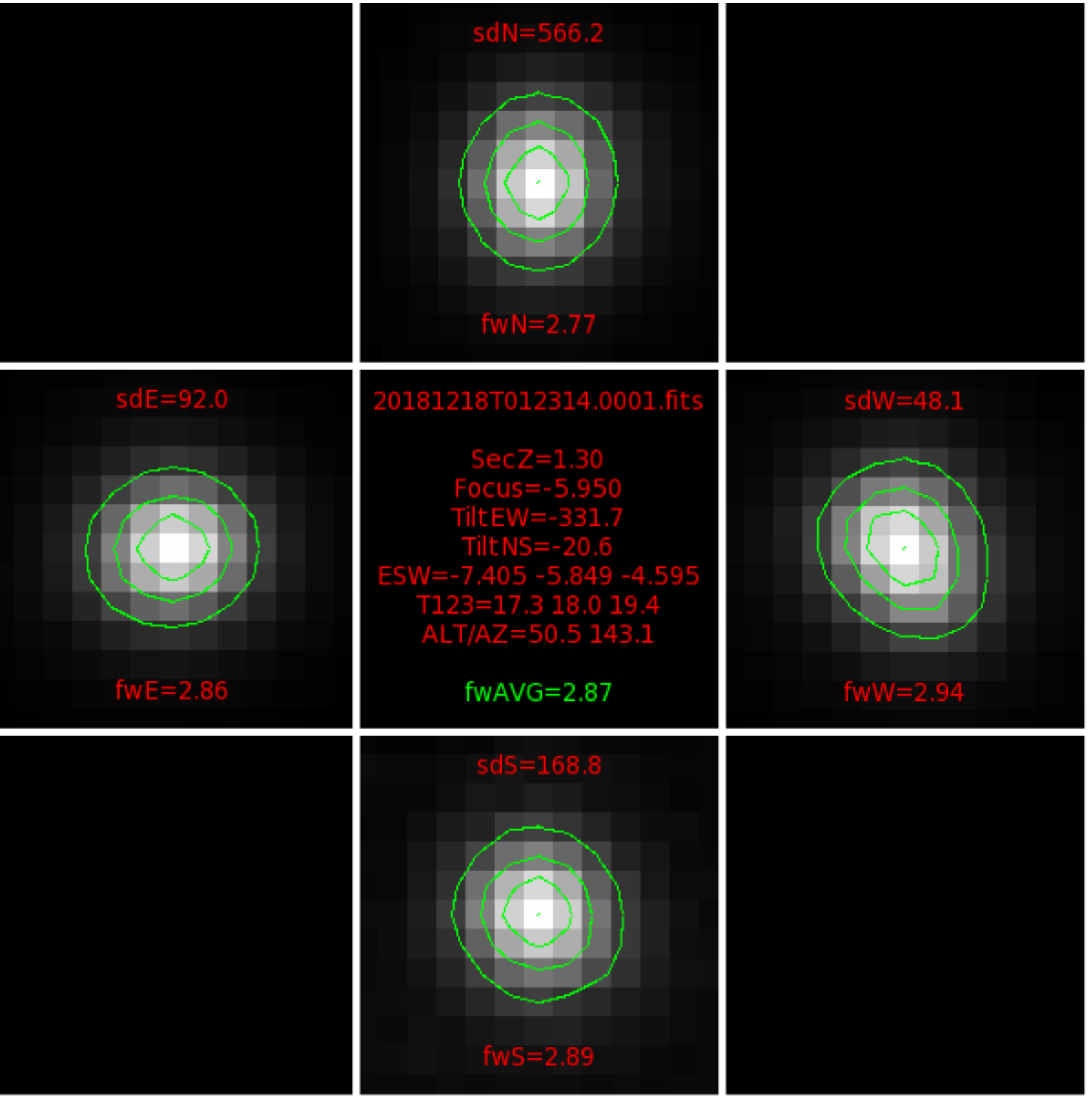
sdN=566.2
fwN=2.77
sdE=92.0
fwE=2.86
20181218T012314.0001.fits
SecZ=1.30
Focus=-5.950
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.405 -5.849 -4.595
T123=17.3 18.0 19.4
ALT/AZ=50.5 143.1
fwAVG=2.87
sdW=48.1
fwW=2.94
sdS=168.8
fwS=2.89
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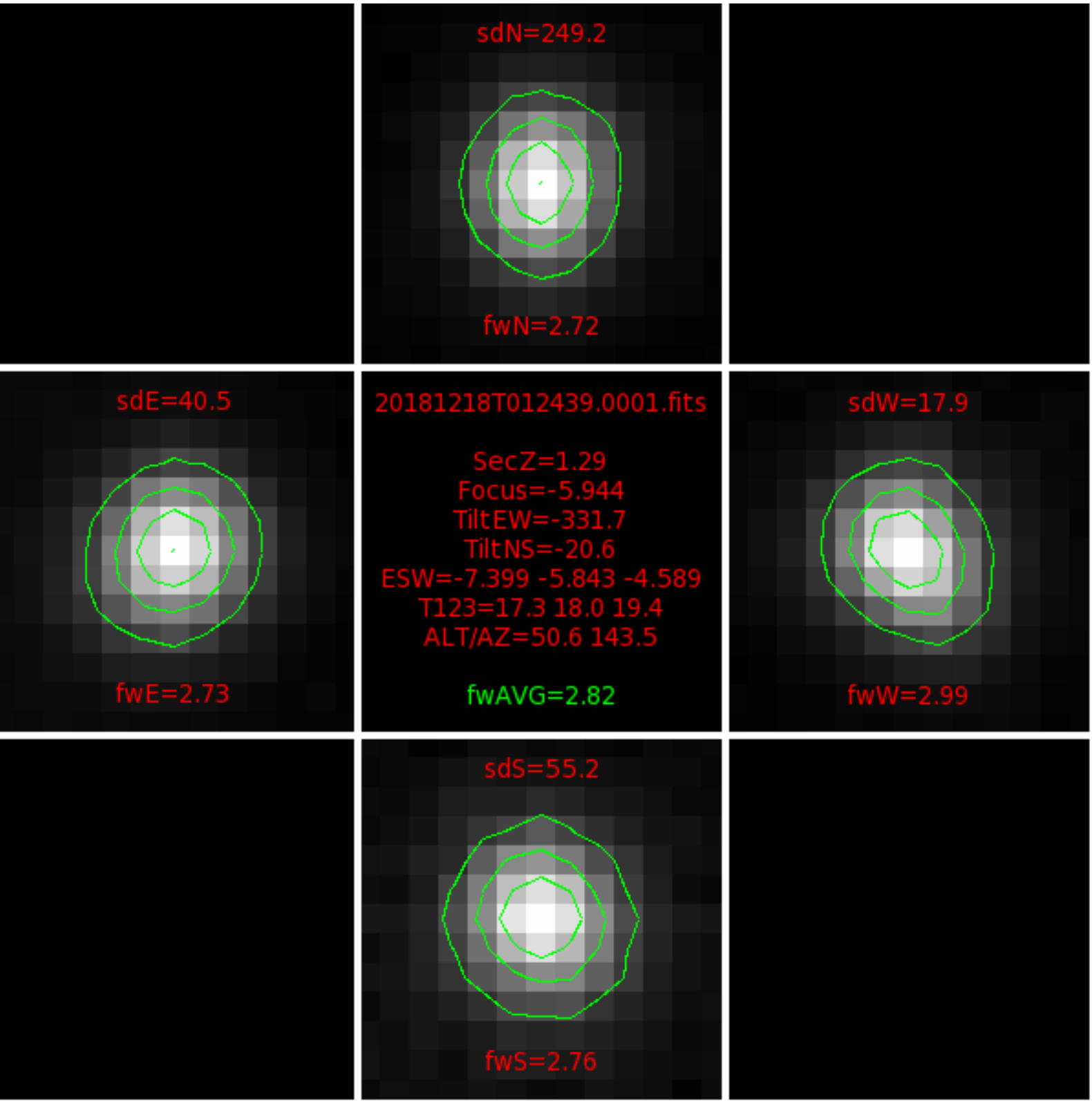
sdN=249.2
fwN=2.72
sdE=40.5
fwE=2.73
20181218T012439.0001.fits
SecZ=1.29
Focus=-5.944
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.399 -5.843 -4.589
T123=17.3 18.0 19.4
ALT/AZ=50.6 143.5
fwAVG=2.82
sdW=17.9
fwW=2.99
sdS=55.2
fwS=2.76
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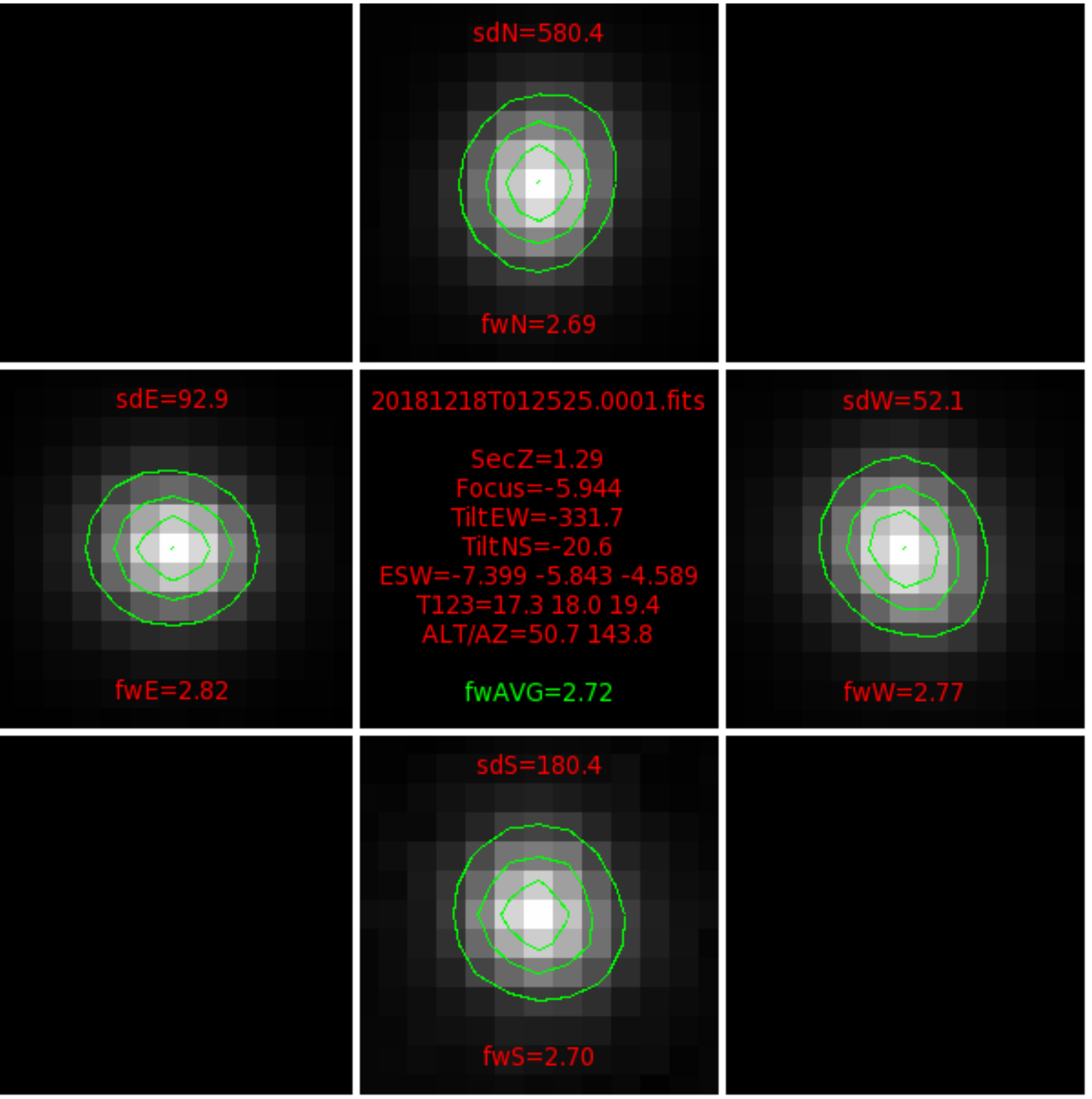
sdN=580.4
fwN=2.69
sdE=92.9
fwE=2.82
20181218T012525.0001.fits
SecZ=1.29
Focus=-5.944
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.399 -5.843 -4.589
T123=17.3 18.0 19.4
ALT/AZ=50.7 143.8
fwAVG=2.72
sdW=52.1
fwW=2.77
sdS=180.4
fwS=2.70
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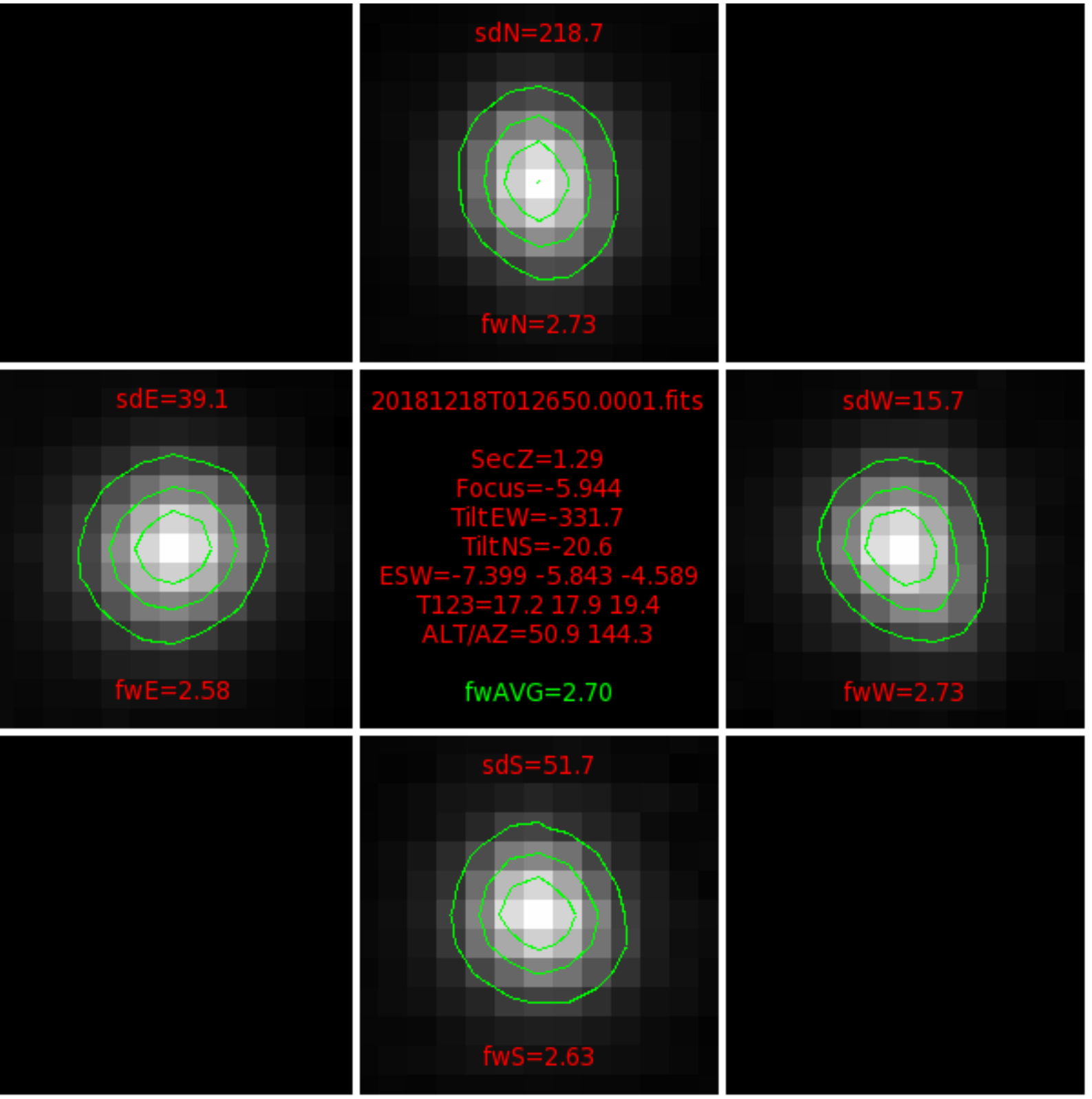
sdN=218.7
fwN=2.73
sdE=39.1
fwE=2.58
20181218T012650.0001.fits
SecZ=1.29
Focus=-5.944
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.399 -5.843 -4.589
T123=17.2 17.9 19.4
ALT/AZ=50.9 144.3
fwAVG=2.70
sdW=15.7
fwW=2.73
sdS=51.7
fwS=2.63
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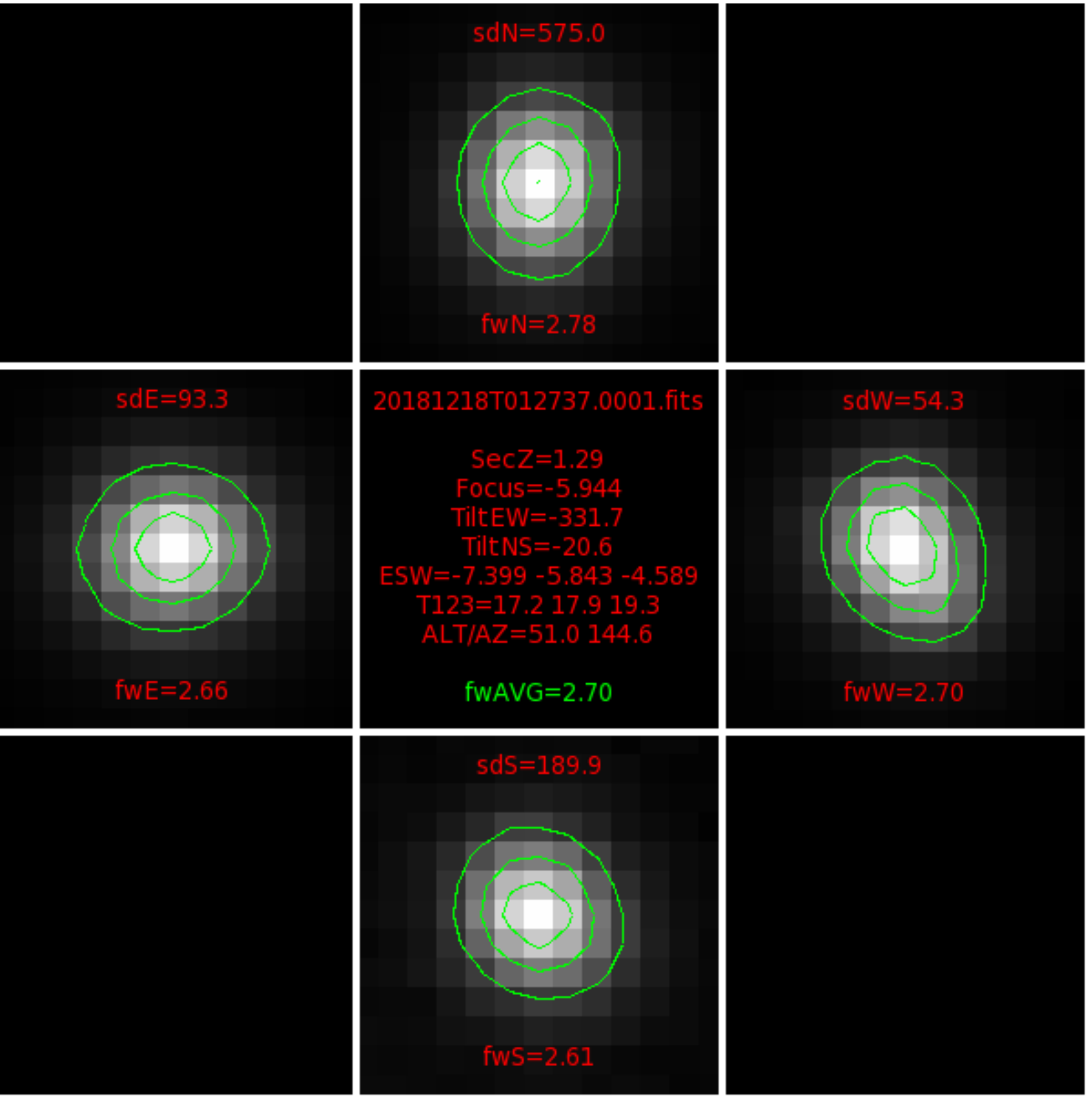
sdN=575.0
fwN=2.78
sdE=93.3
fwE=2.66
20181218T012737.0001.fits
SecZ=1.29
Focus=-5.944
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.399 -5.843 -4.589
T123=17.2 17.9 19.3
ALT/AZ=51.0 144.6
fwAVG=2.70
sdW=54.3
fwW=2.70
sdS=189.9
fwS=2.61
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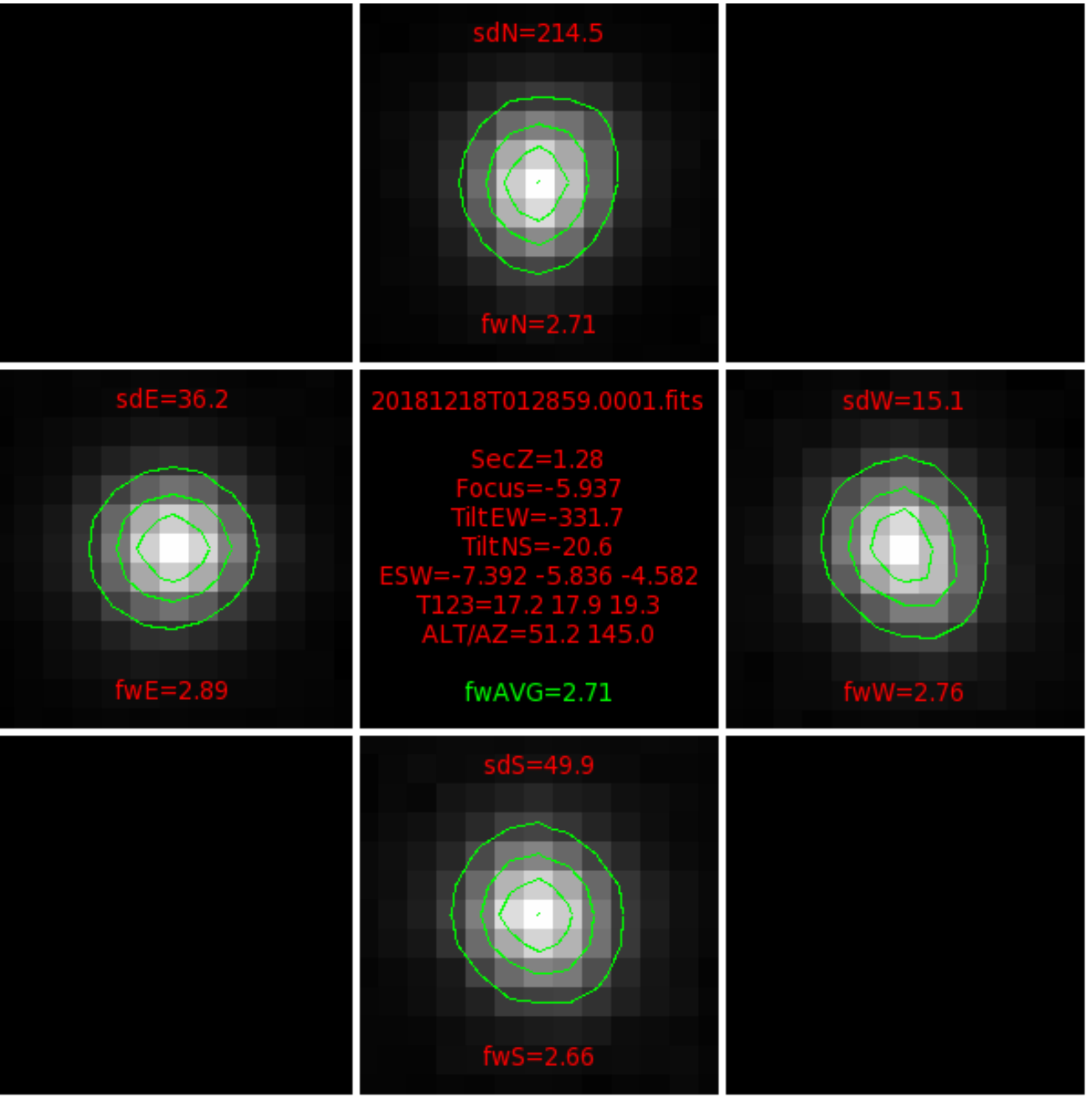
sdN=214.5
fwN=2.71
sdE=36.2
fwE=2.89
20181218T012859.0001.fits
SecZ=1.28
Focus=-5.937
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.392 -5.836 -4.582
T123=17.2 17.9 19.3
ALT/AZ=51.2 145.0
fwAVG=2.71
sdW=15.1
fwW=2.76
sdS=49.9
fwS=2.66
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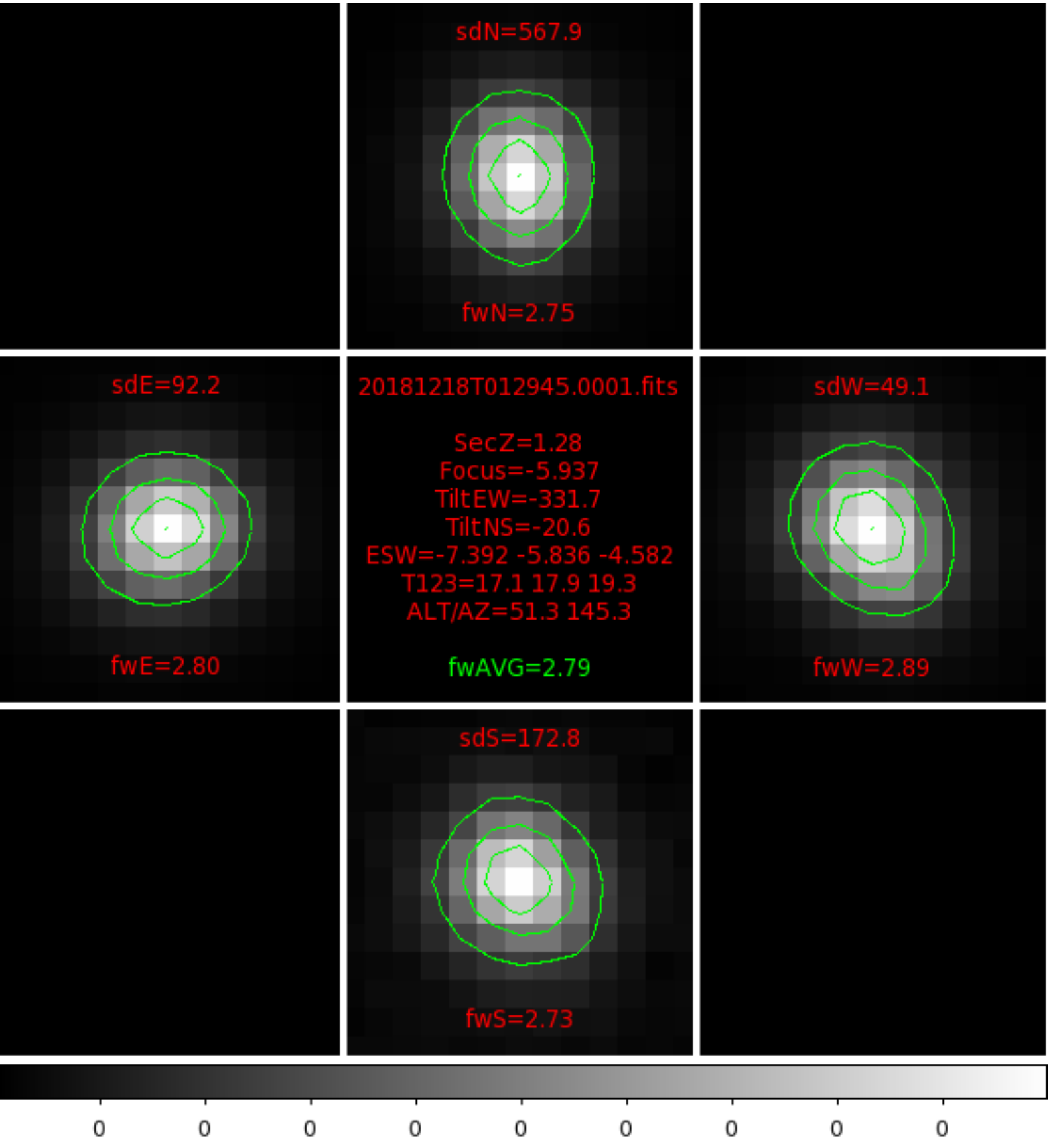
sdN=567.9
fwN=2.75
sdE=92.2
fwE=2.80
20181218T012945.0001.fits
SecZ=1.28
Focus=-5.937
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.392 -5.836 -4.582
T123=17.1 17.9 19.3
ALT/AZ=51.3 145.3
fwAVG=2.79
sdW=49.1
fwW=2.89
sdS=172.8
fwS=2.73
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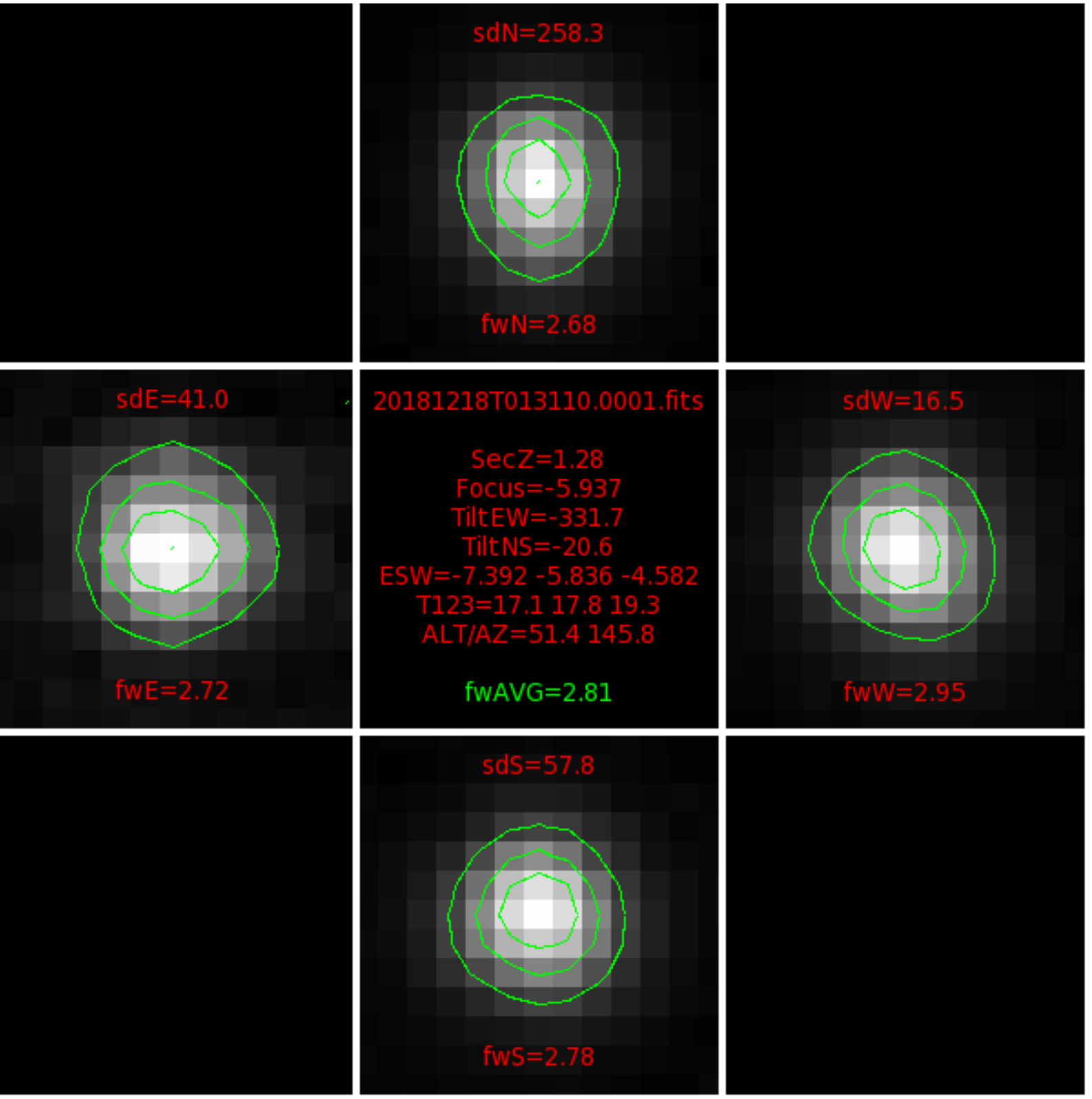
sdN=258.3
fwN=2.68
sdE=41.0
fwE=2.72
20181218T013110.0001.fits
SecZ=1.28
Focus=-5.937
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.392 -5.836 -4.582
T123=17.1 17.8 19.3
ALT/AZ=51.4 145.8
fwAVG=2.81
sdW=16.5
fwW=2.95
sdS=57.8
fwS=2.78
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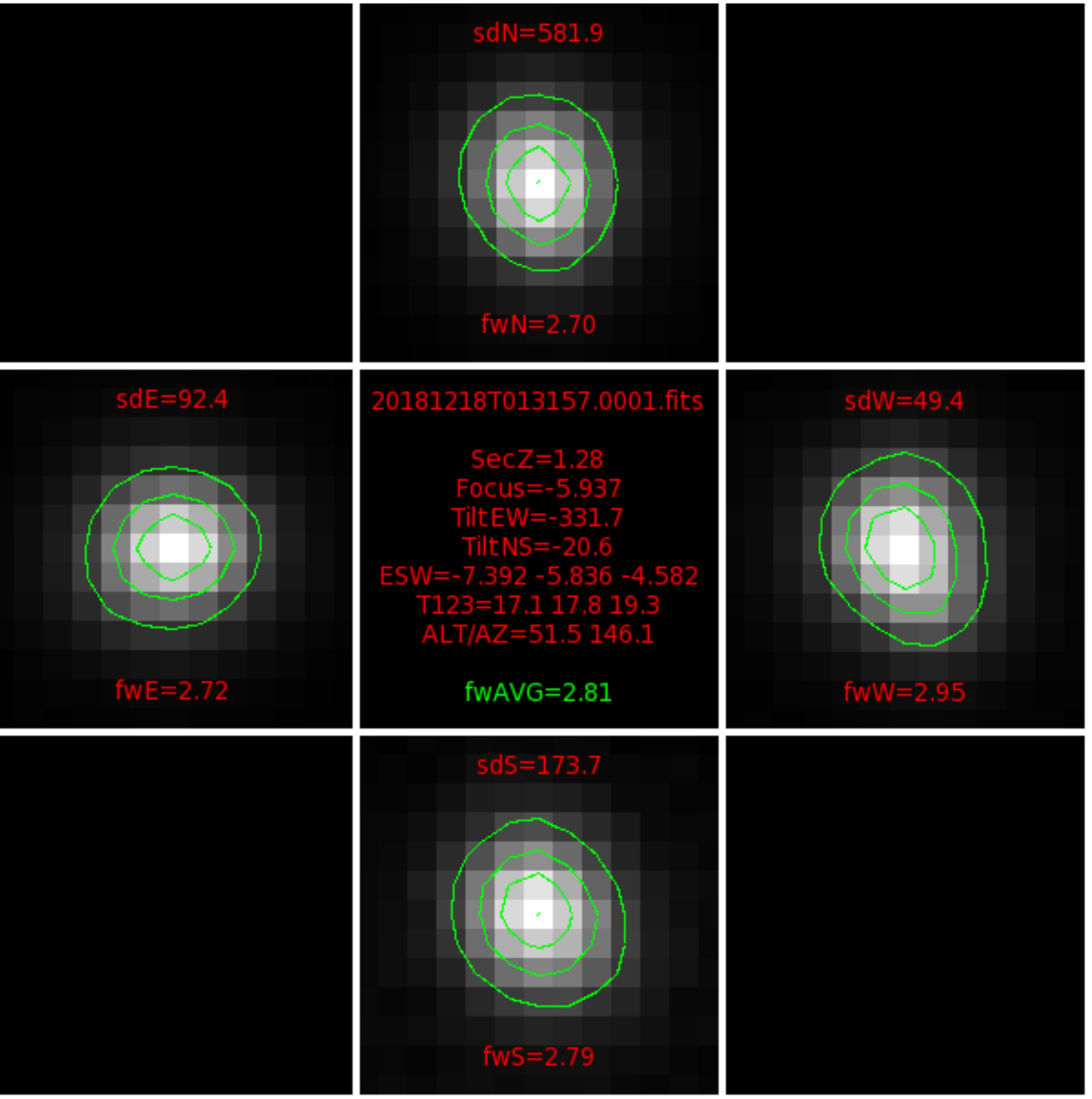
sdN=581.9
fwN=2.70
sdE=92.4
fwE=2.72
20181218T013157.0001.fits
SecZ=1.28
Focus=-5.937
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.392 -5.836 -4.582
T123=17.1 17.8 19.3
ALT/AZ=51.5 146.1
fwAVG=2.81
sdW=49.4
fwW=2.95
sdS=173.7
fwS=2.79
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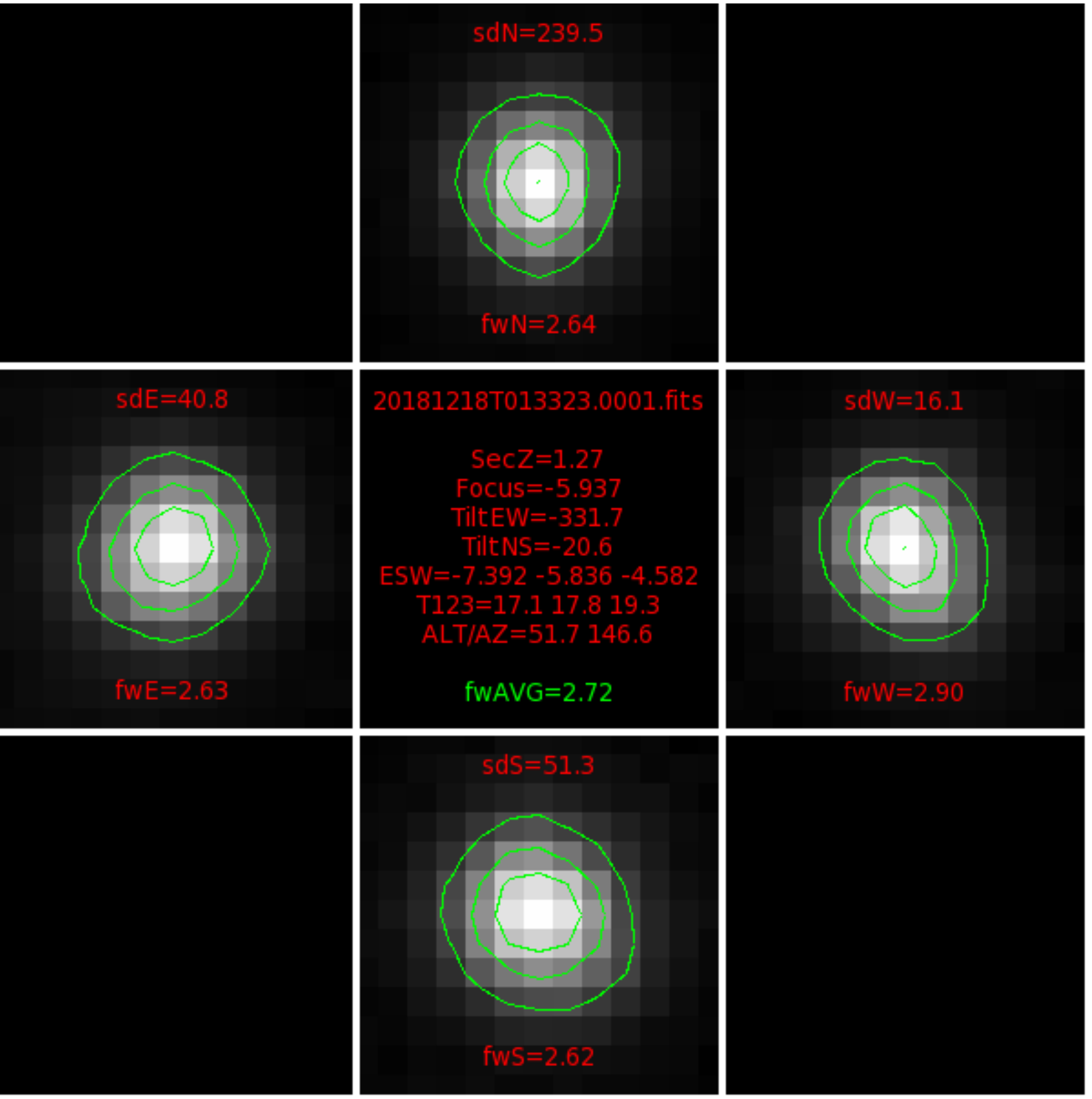
sdN=239.5
fwN=2.64
sdE=40.8
fwE=2.63
20181218T013323.0001.fits
SecZ=1.27
Focus=-5.937
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.392 -5.836 -4.582
T123=17.1 17.8 19.3
ALT/AZ=51.7 146.6
fwAVG=2.72
sdW=16.1
fwW=2.90
sdS=51.3
fwS=2.62
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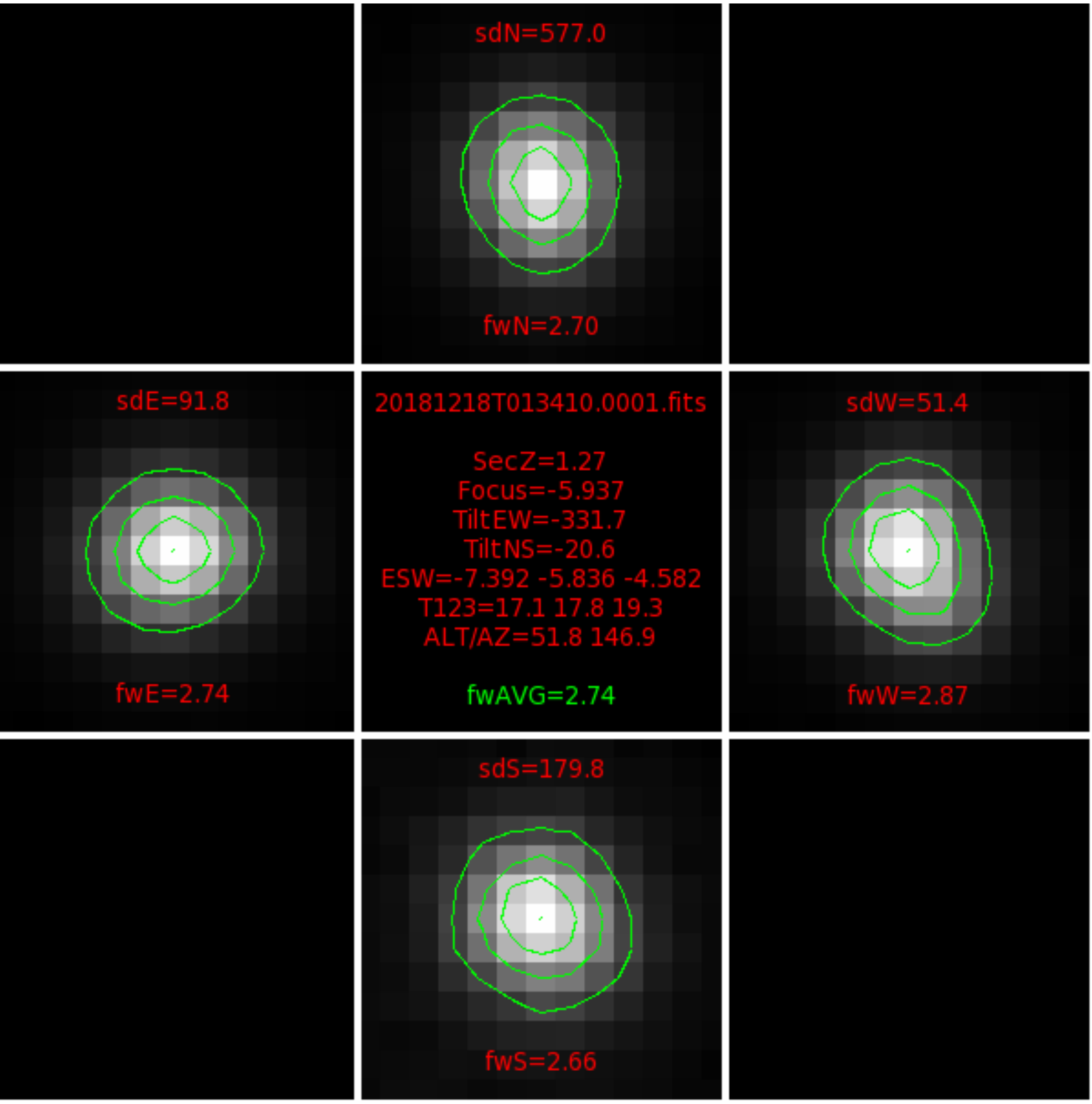
sdN=577.0
fwN=2.70
sdE=91.8
fwE=2.74
20181218T013410.0001.fits
SecZ=1.27
Focus=-5.937
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.392 -5.836 -4.582
T123=17.1 17.8 19.3
ALT/AZ=51.8 146.9
fwAVG=2.74
sdW=51.4
fwW=2.87
sdS=179.8
fwS=2.66
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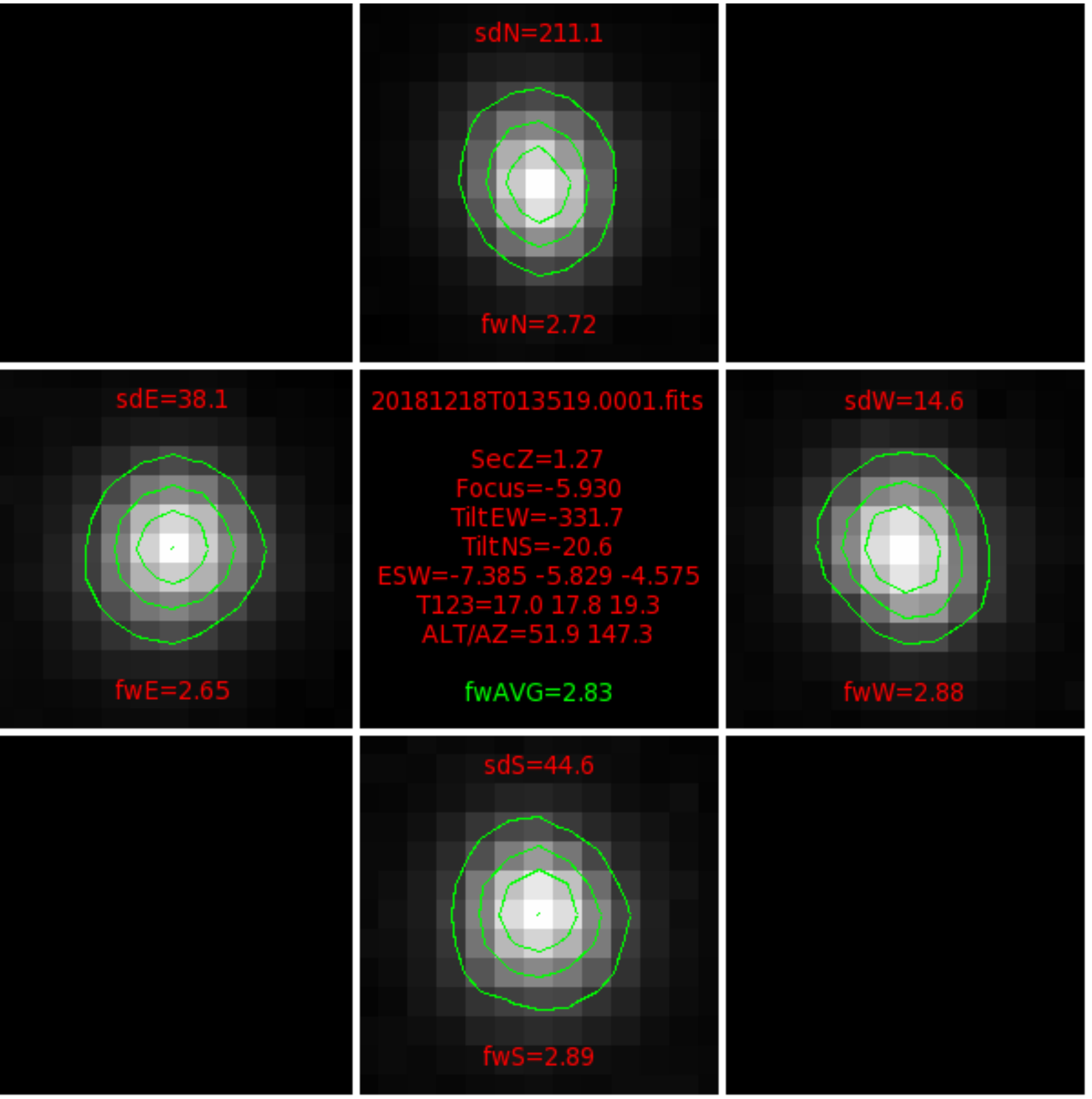
sdN=211.1
fwN=2.72
sdE=38.1
fwE=2.65
20181218T013519.0001.fits
SecZ=1.27
Focus=-5.930
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.385 -5.829 -4.575
T123=17.0 17.8 19.3
ALT/AZ=51.9 147.3
fwAVG=2.83
sdW=14.6
fwW=2.88
sdS=44.6
fwS=2.89
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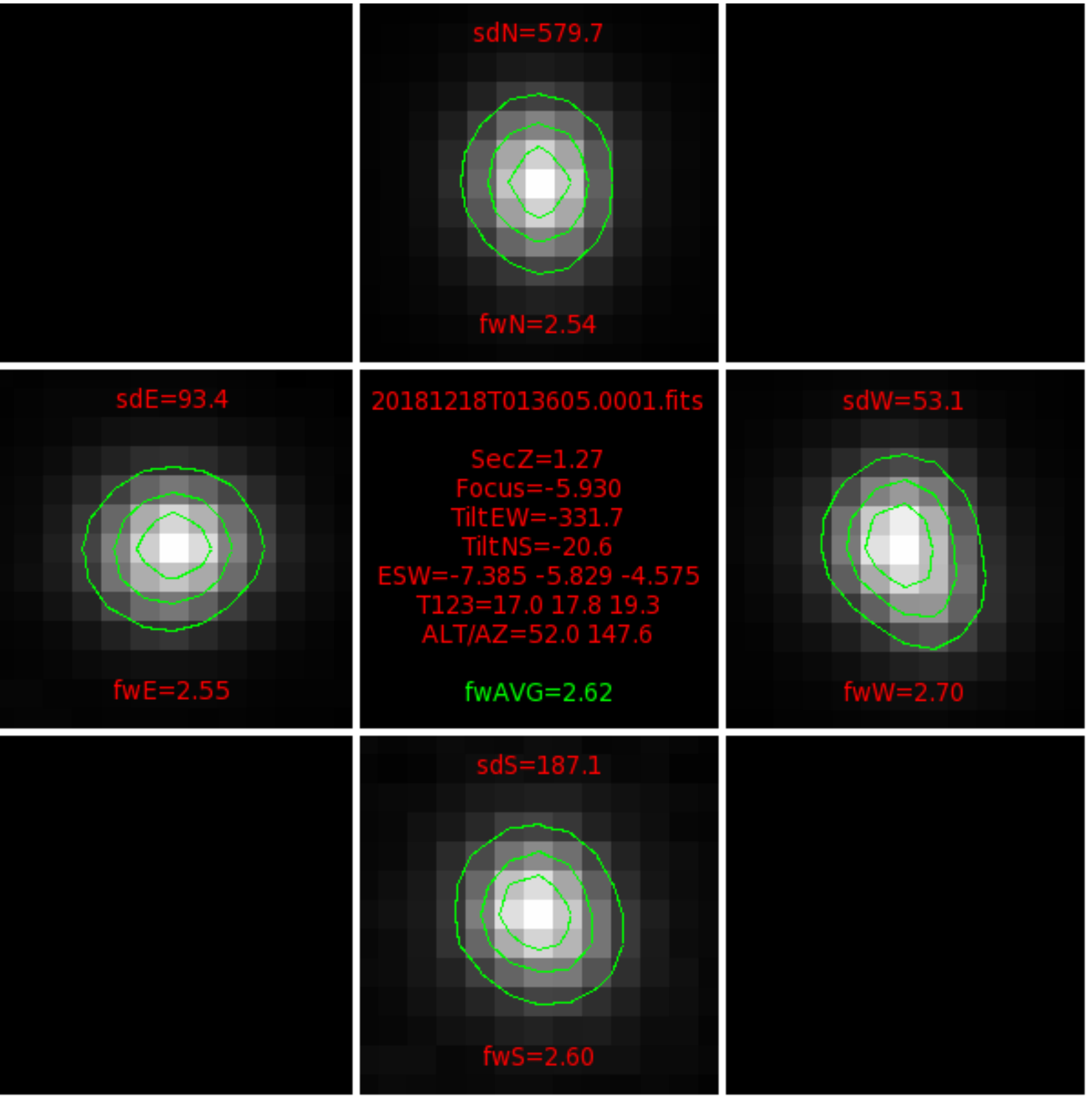
sdN=579.7
fwN=2.54
sdE=93.4
fwE=2.55
20181218T013605.0001.fits
SecZ=1.27
Focus=-5.930
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.385 -5.829 -4.575
T123=17.0 17.8 19.3
ALT/AZ=52.0 147.6
fwAVG=2.62
sdW=53.1
fwW=2.70
sdS=187.1
fwS=2.60
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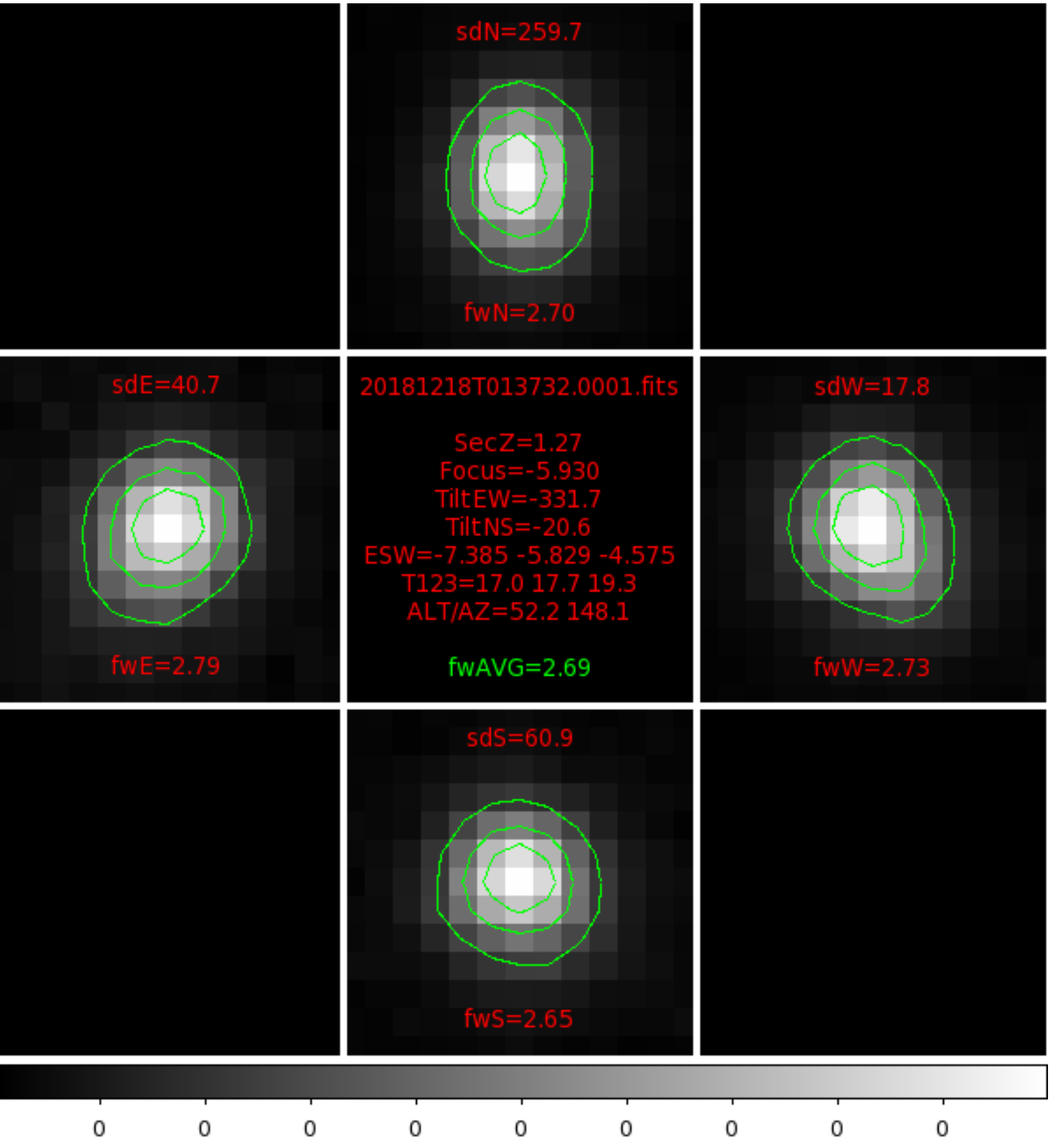
sdN=259.7
fwN=2.70
sdE=40.7
fwE=2.79
20181218T013732.0001.fits
SecZ=1.27
Focus=-5.930
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.385 -5.829 -4.575
T123=17.0 17.7 19.3
ALT/AZ=52.2 148.1
fwAVG=2.69
sdW=17.8
fwW=2.73
sdS=60.9
fwS=2.65
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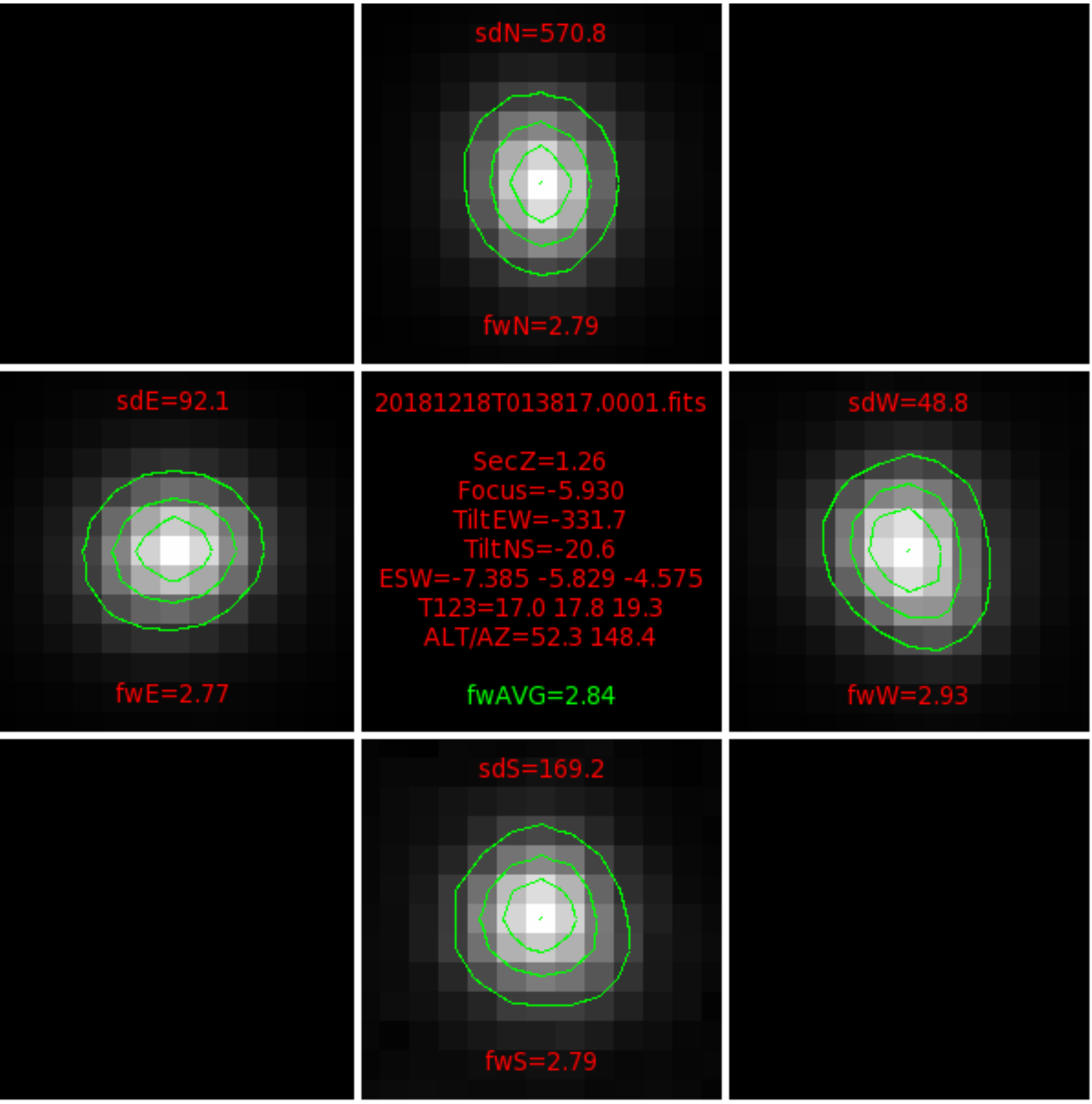
sdN=570.8
fwN=2.79
sdE=92.1
fwE=2.77
20181218T013817.0001.fits
SecZ=1.26
Focus=-5.930
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.385 -5.829 -4.575
T123=17.0 17.8 19.3
ALT/AZ=52.3 148.4
fwAVG=2.84
sdW=48.8
fwW=2.93
sdS=169.2
fwS=2.79
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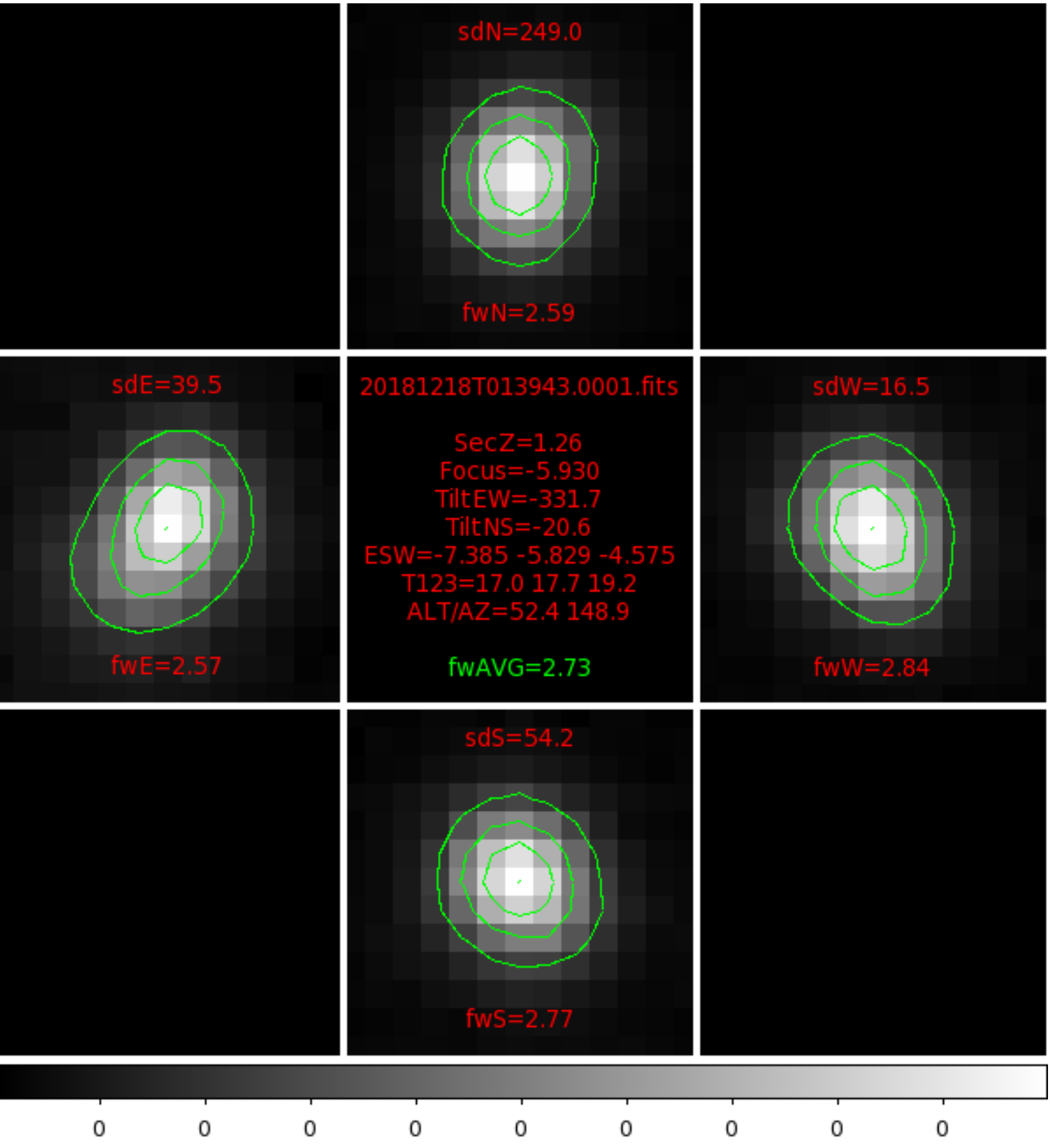
sdN=249.0
fwN=2.59
sdE=39.5
fwE=2.57
20181218T013943.0001.fits
SecZ=1.26
Focus=-5.930
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.385 -5.829 -4.575
T123=17.0 17.7 19.2
ALT/AZ=52.4 148.9
fwAVG=2.73
sdW=16.5
fwW=2.84
sdS=54.2
fwS=2.77
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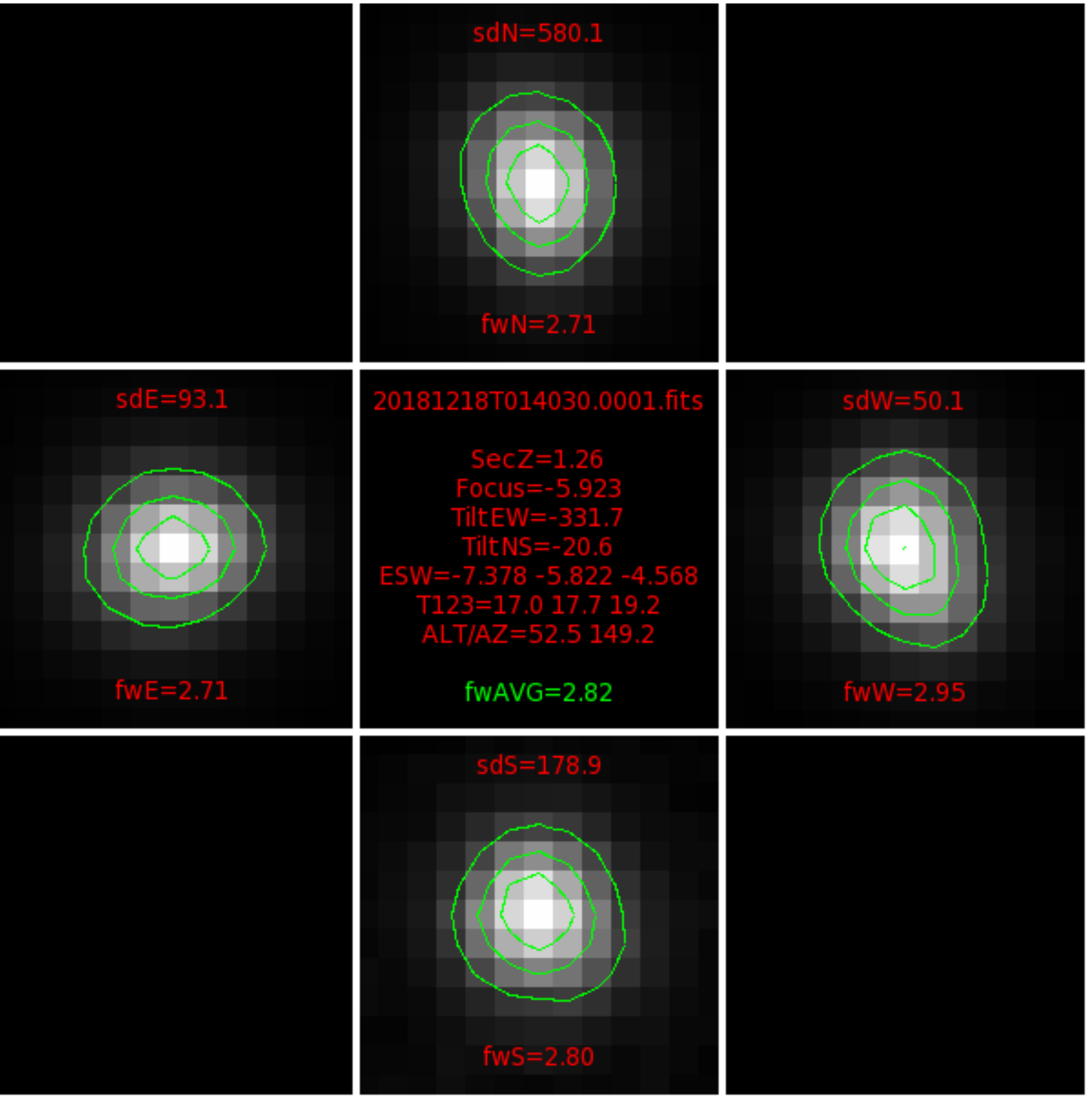
sdN=580.1
fwN=2.71
sdE=93.1
fwE=2.71
20181218T014030.0001.fits
SecZ=1.26
Focus=-5.923
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.378 -5.822 -4.568
T123=17.0 17.7 19.2
ALT/AZ=52.5 149.2
fwAVG=2.82
sdW=50.1
fwW=2.95
sdS=178.9
fwS=2.80
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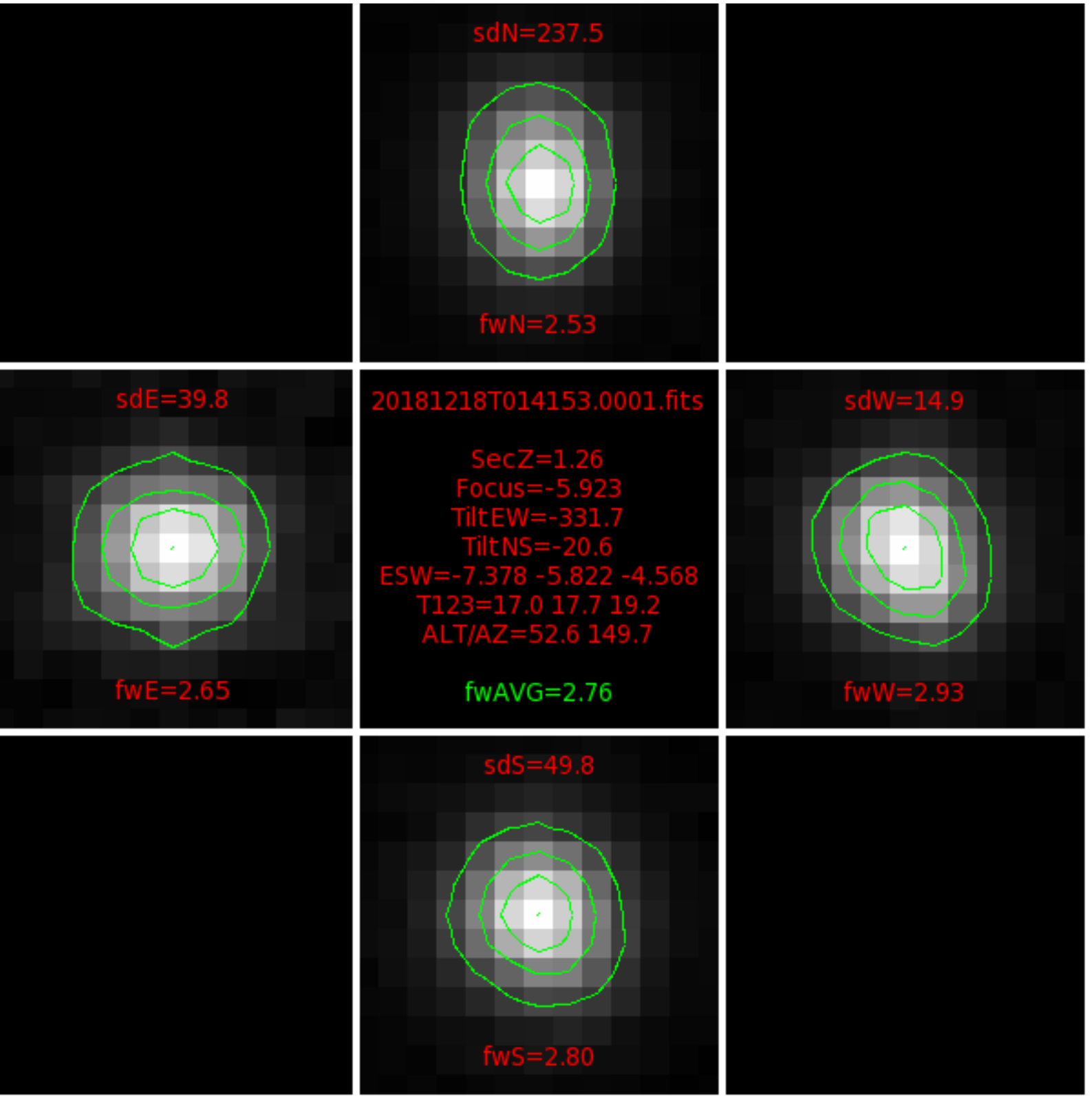
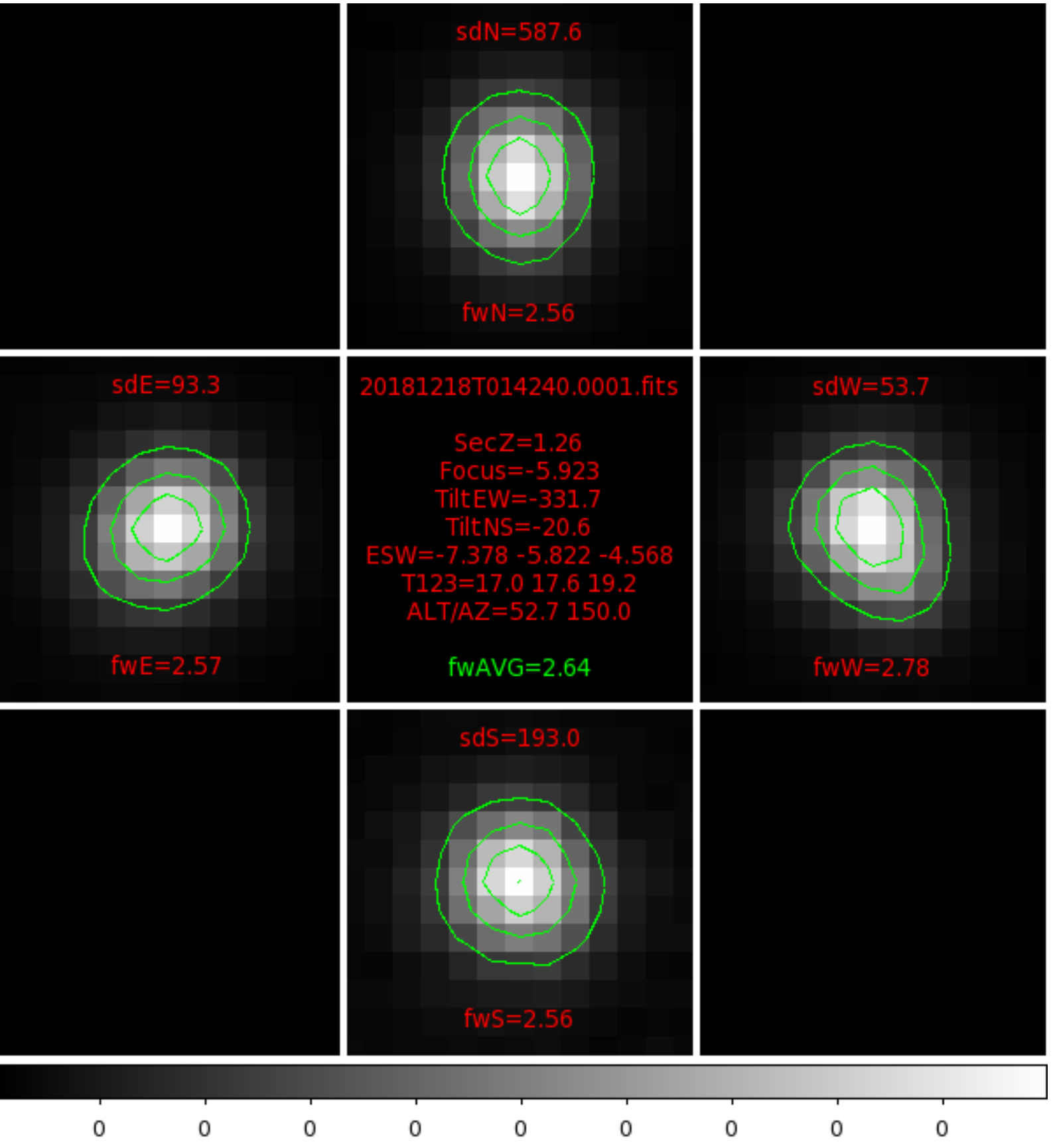

sdN=237.5
fwN=2.53
sdE=39.8
fwE=2.65
20181218T014153.0001.fits
SecZ=1.26
Focus=-5.923
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.378 -5.822 -4.568
T123=17.0 17.7 19.2
ALT/AZ=52.6 149.7
fwAVG=2.76
sdW=14.9
fwW=2.93
sdS=49.8
fwS=2.80
0 0 0 0 0 0 0 0 0


sdN=587.6
fwN=2.56
sdE=93.3
fwE=2.57
20181218T014240.0001.fits
SecZ=1.26
Focus=-5.923
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.378 -5.822 -4.568
T123=17.0 17.6 19.2
ALT/AZ=52.7 150.0
fwAVG=2.64
sdW=53.7
fwW=2.78
sdS=193.0
fwS=2.56
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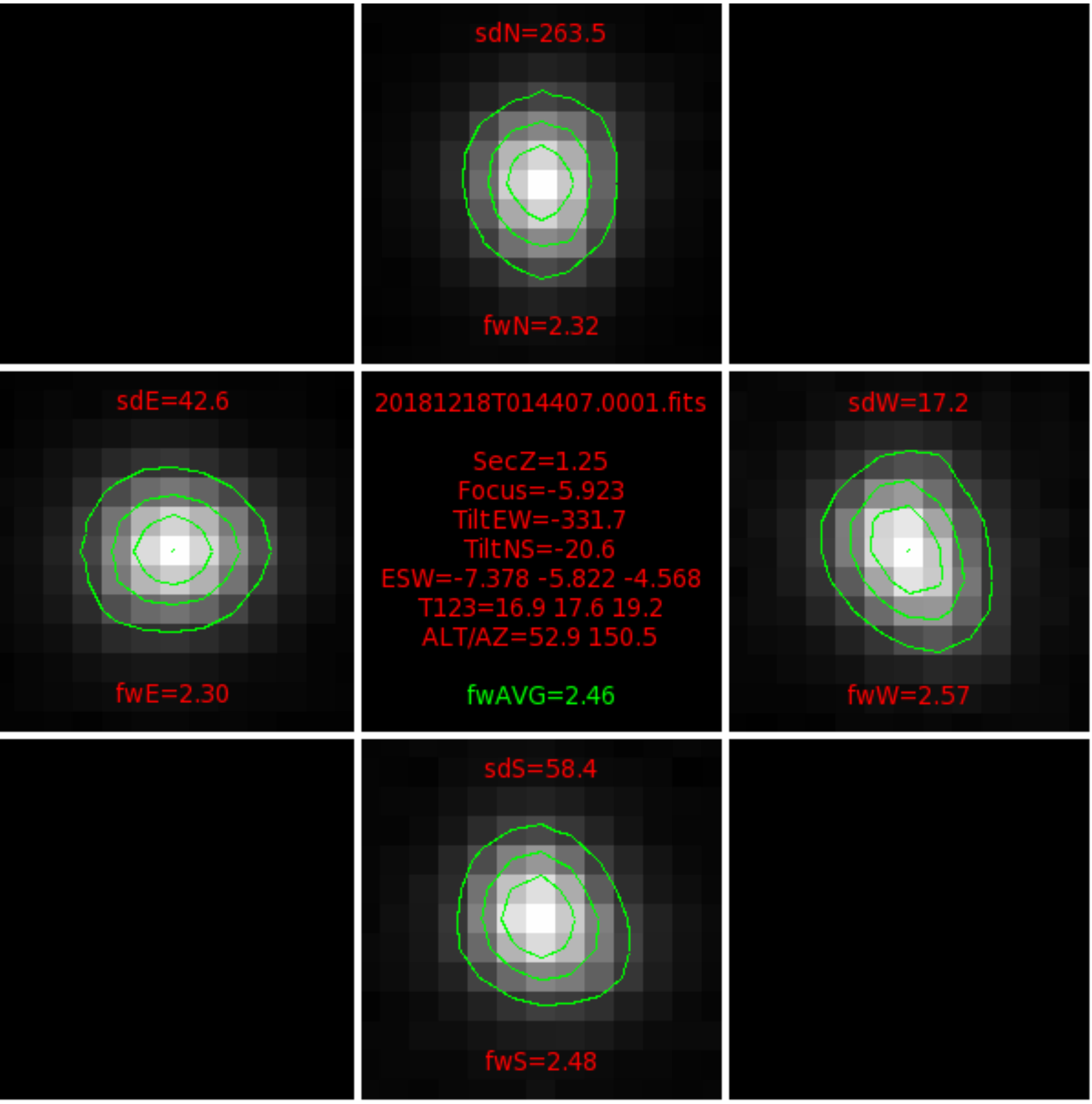
sdN=263.5
fwN=2.32
sdE=42.6
fwE=2.30
20181218T014407.0001.fits
SecZ=1.25
Focus=-5.923
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.378 -5.822 -4.568
T123=16.9 17.6 19.2
ALT/AZ=52.9 150.5
fwAVG=2.46
sdW=17.2
fwW=2.57
sdS=58.4
fwS=2.48
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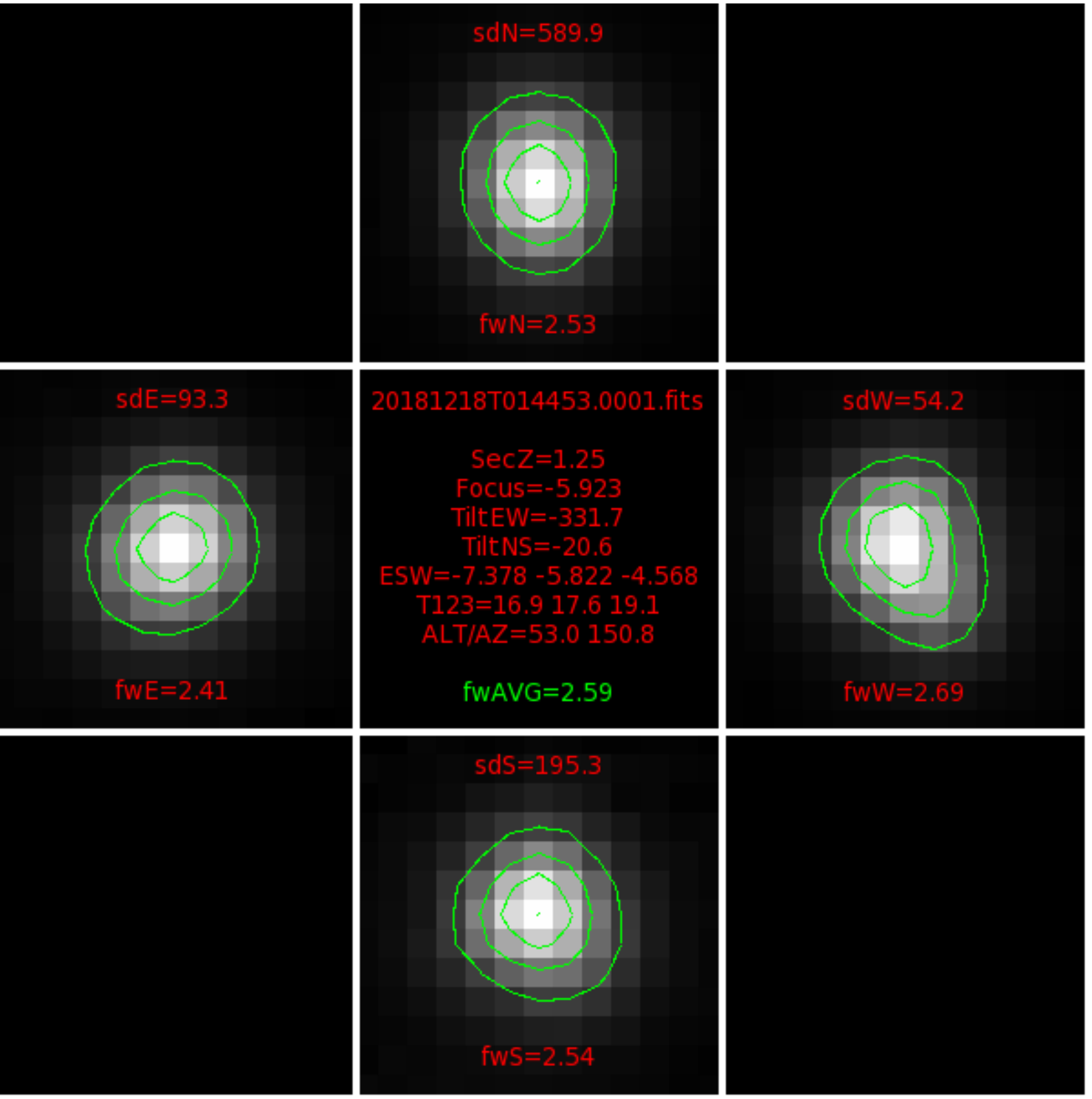
sdN=589.9
fwN=2.53
sdE=93.3
fwE=2.41
20181218T014453.0001.fits
SecZ=1.25
Focus=-5.923
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.378 -5.822 -4.568
T123=16.9 17.6 19.1
ALT/AZ=53.0 150.8
fwAVG=2.59
sdW=54.2
fwW=2.69
sdS=195.3
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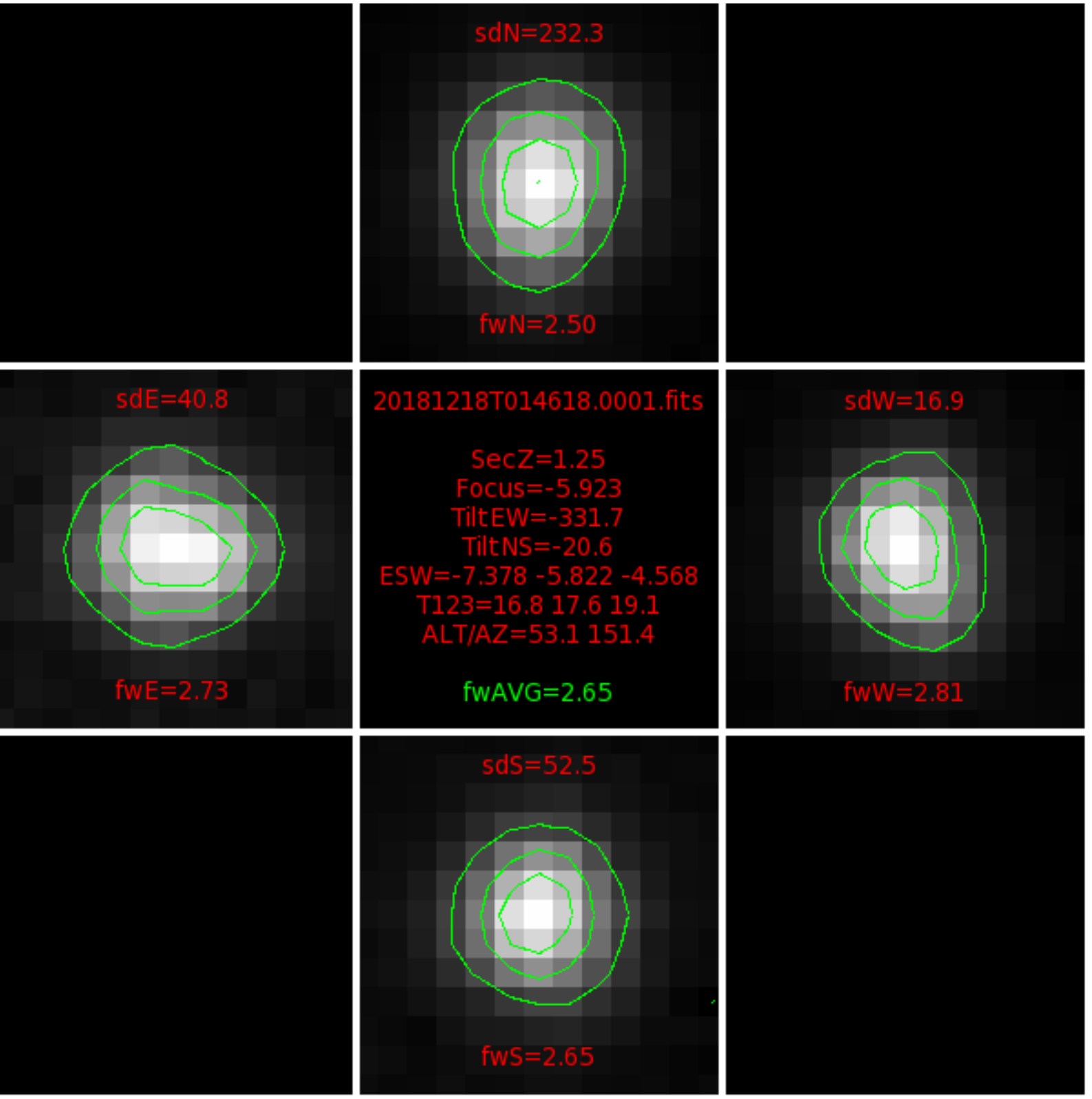
sdN=232.3
fwN=2.50
sdE=40.8
fwE=2.73
20181218T014618.0001.fits
SecZ=1.25
Focus=-5.923
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.378 -5.822 -4.568
T123=16.8 17.6 19.1
ALT/AZ=53.1 151.4
fwAVG=2.65
sdW=16.9
fwW=2.81
sdS=52.5
fwS=2.65
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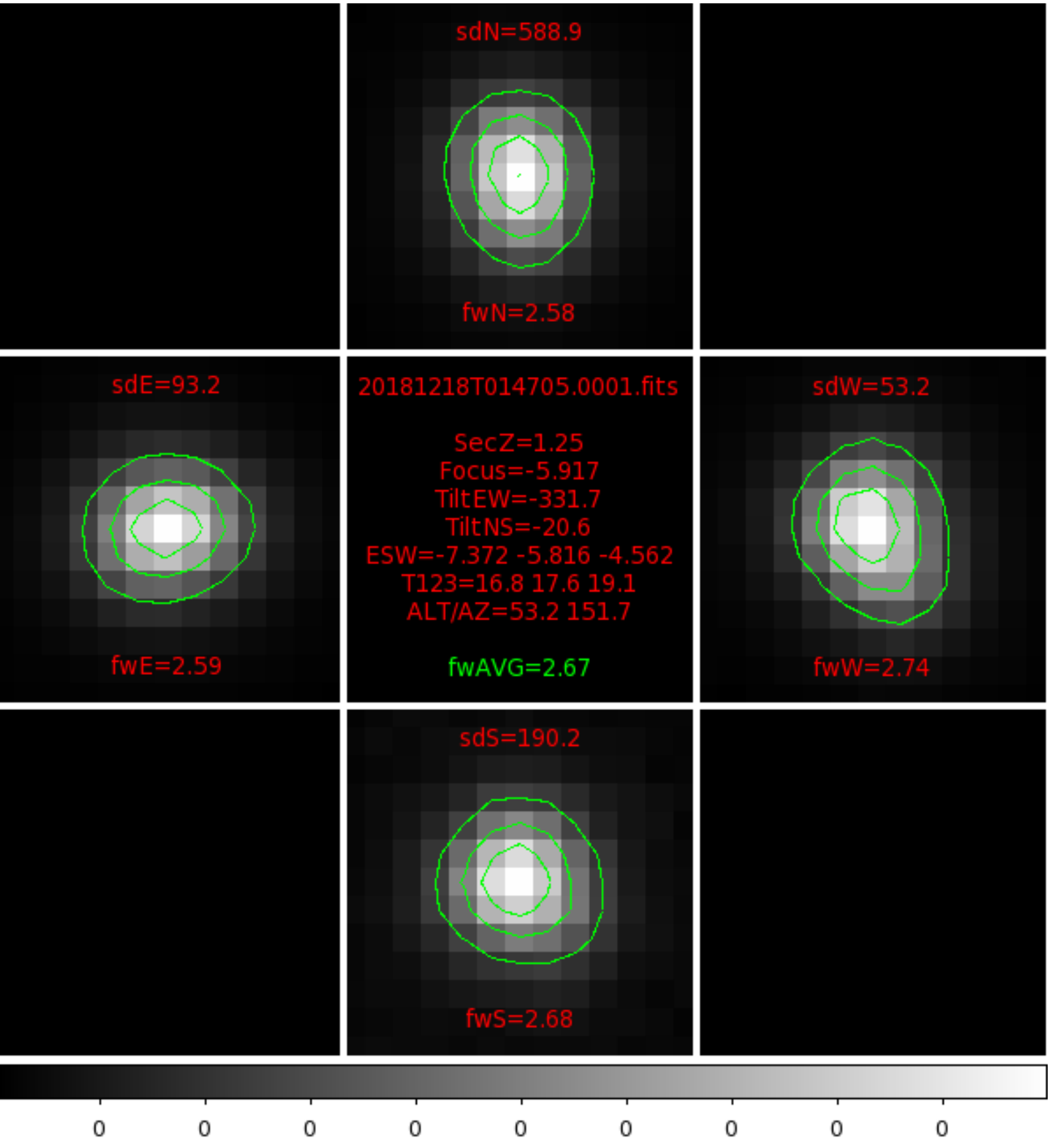
sdN=588.9
fwN=2.58
sdE=93.2
fwE=2.59
20181218T014705.0001.fits
SecZ=1.25
Focus=-5.917
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.372 -5.816 -4.562
T123=16.8 17.6 19.1
ALT/AZ=53.2 151.7
fwAVG=2.67
sdW=53.2
fwW=2.74
sdS=190.2
fwS=2.68
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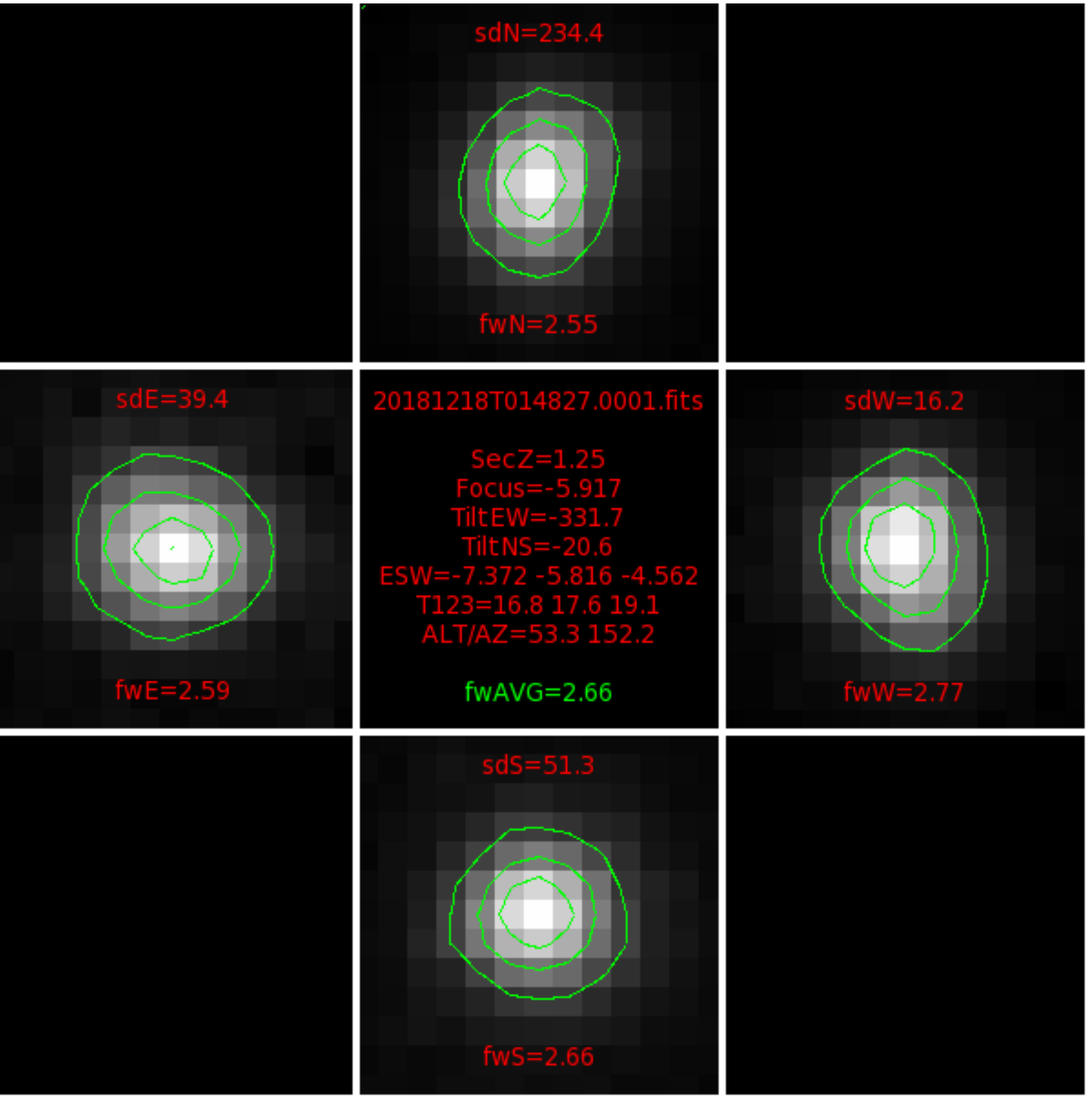
sdN=234.4
fwN=2.55
sdE=39.4
fwE=2.59
20181218T014827.0001.fits
SecZ=1.25
Focus=-5.917
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.372 -5.816 -4.562
T123=16.8 17.6 19.1
ALT/AZ=53.3 152.2
fwAVG=2.66
sdW=16.2
fwW=2.77
sdS=51.3
fwS=2.66
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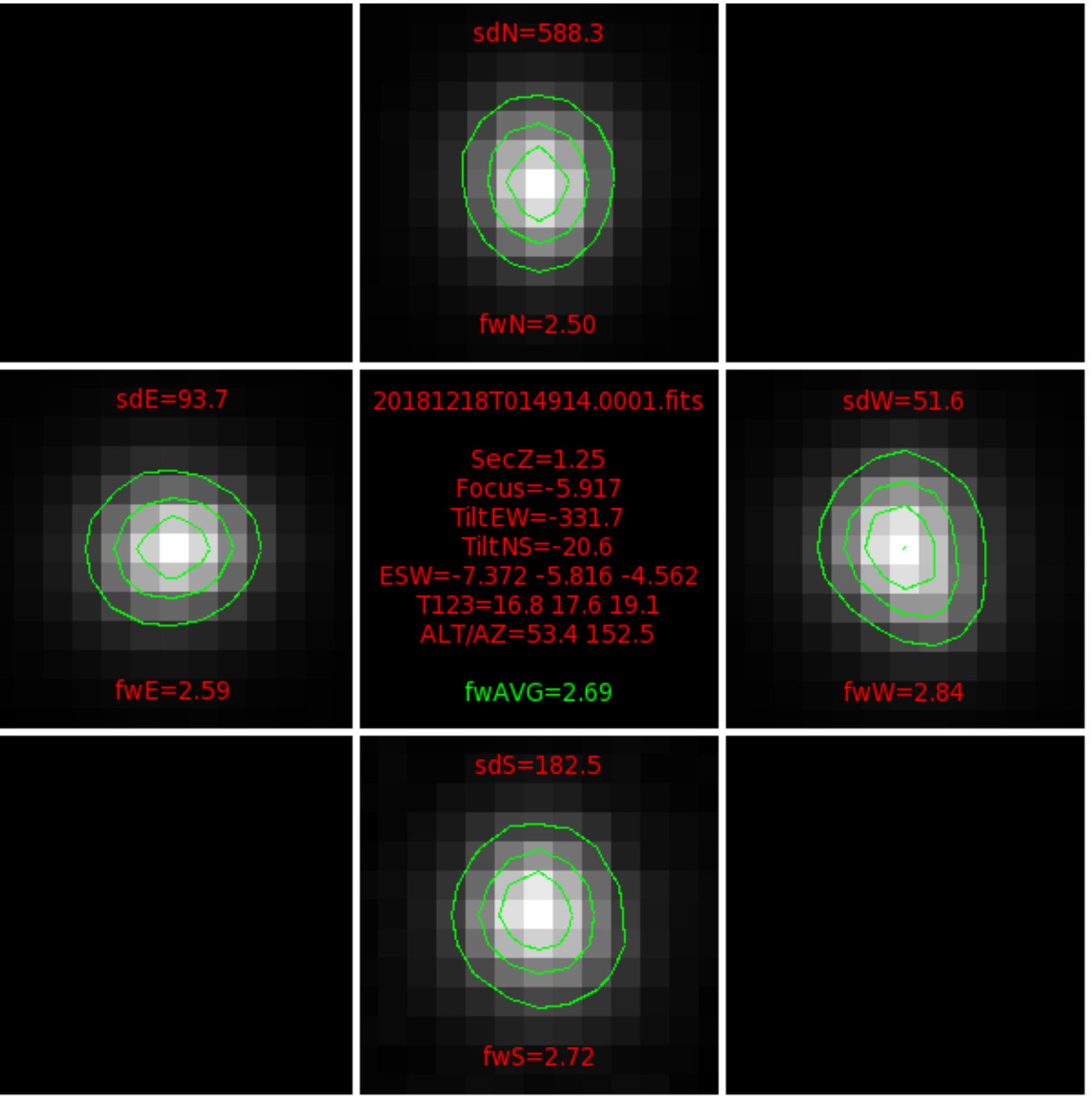
sdN=588.3
fwN=2.50
sdE=93.7
fwE=2.59
20181218T014914.0001.fits
SecZ=1.25
Focus=-5.917
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.372 -5.816 -4.562
T123=16.8 17.6 19.1
ALT/AZ=53.4 152.5
fwAVG=2.69
sdW=51.6
fwW=2.84
sdS=182.5
fwS=2.72
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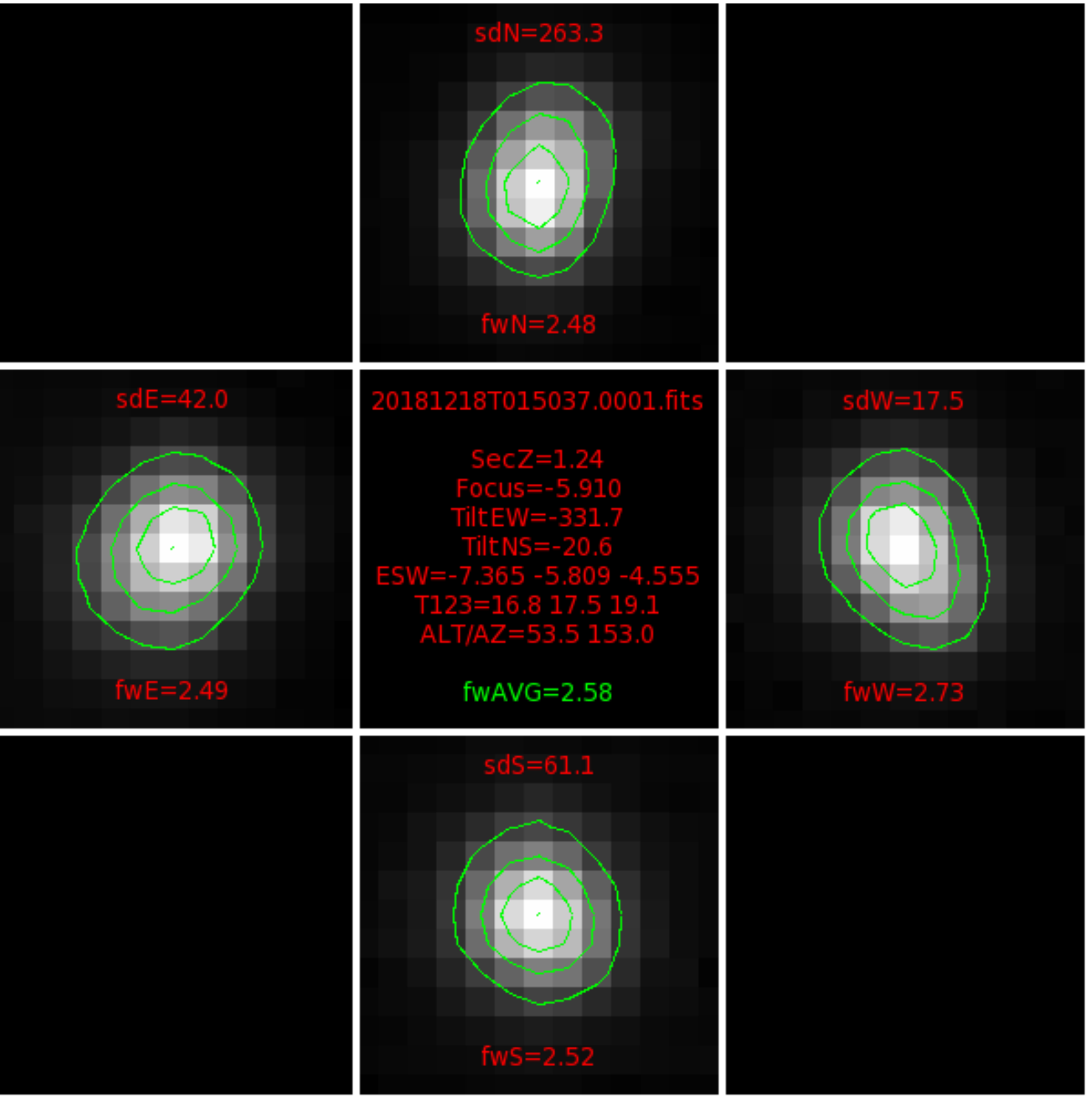
sdN=263.3
fwN=2.48
sdE=42.0
fwE=2.49
20181218T015037.0001.fits
SecZ=1.24
Focus=-5.910
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.365 -5.809 -4.555
T123=16.8 17.5 19.1
ALT/AZ=53.5 153.0
fwAVG=2.58
sdW=17.5
fwW=2.73
sdS=61.1
fwS=2.52
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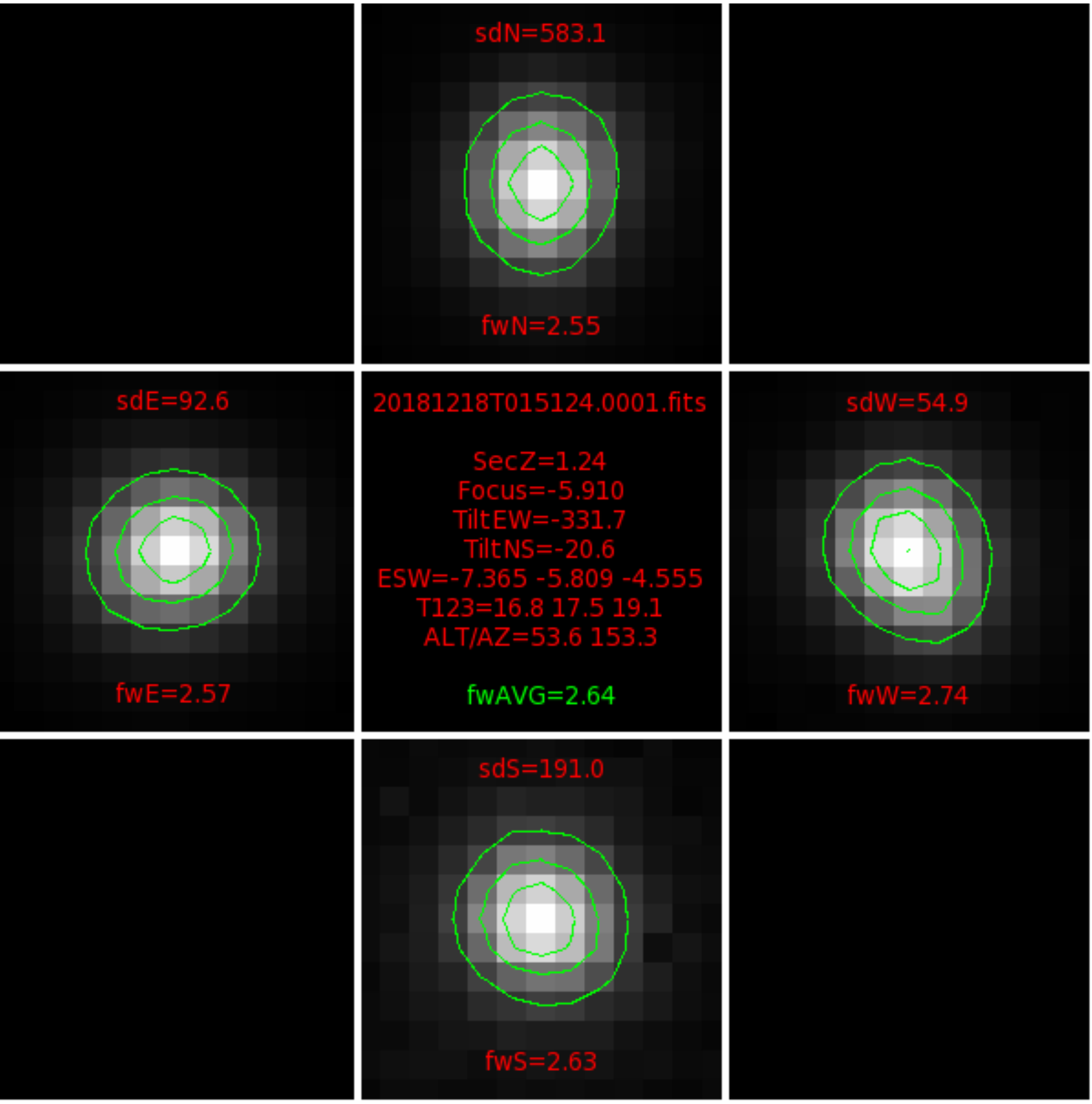
sdN=583.1
fwN=2.55
sdE=92.6
fwE=2.57
20181218T015124.0001.fits
SecZ=1.24
Focus=-5.910
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.365 -5.809 -4.555
T123=16.8 17.5 19.1
ALT/AZ=53.6 153.3
fwAVG=2.64
sdW=54.9
fwW=2.74
sdS=191.0
fwS=2.63
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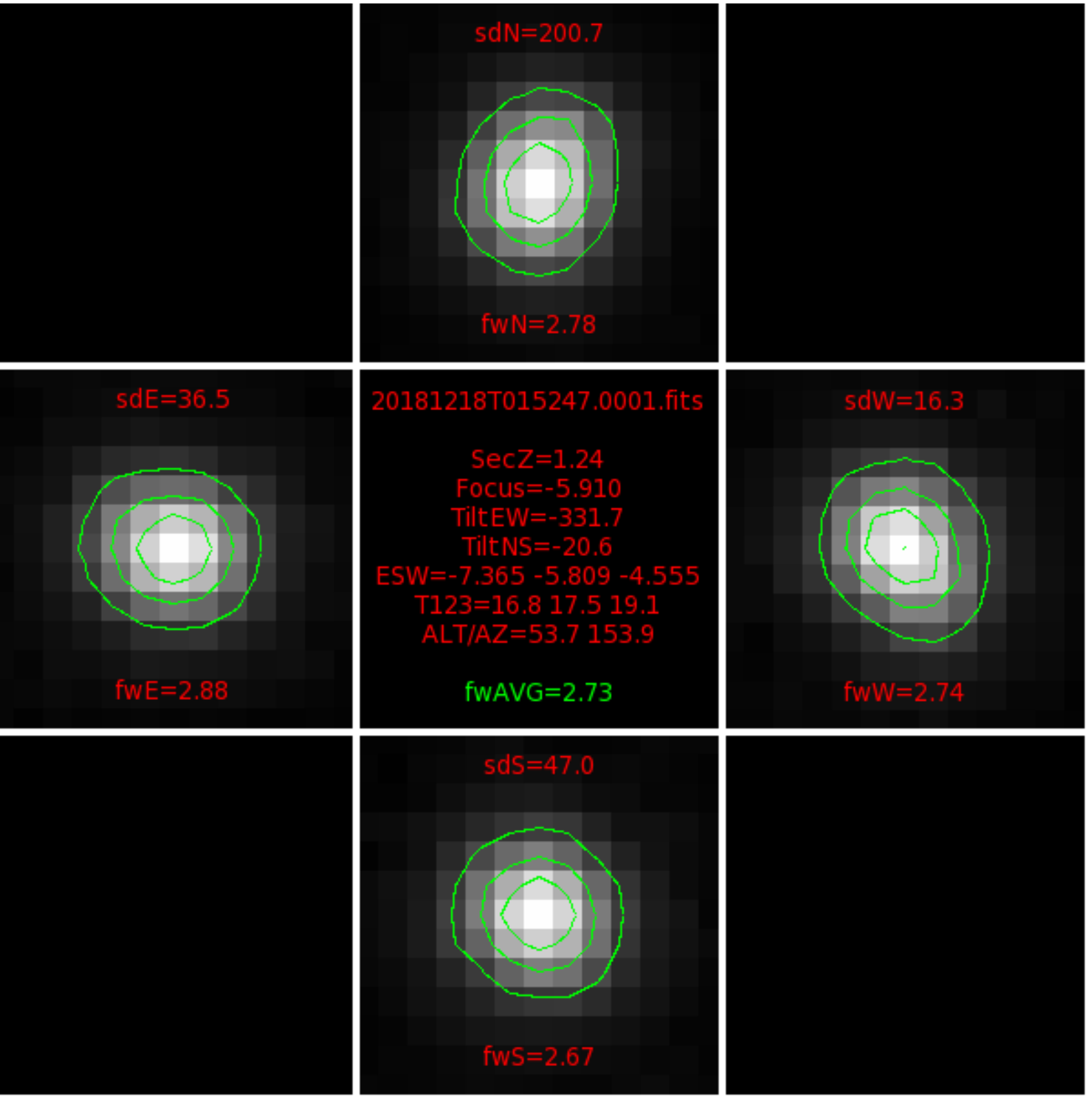
sdN=200.7
fwN=2.78
sdE=36.5
fwE=2.88
20181218T015247.0001.fits
SecZ=1.24
Focus=-5.910
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.365 -5.809 -4.555
T123=16.8 17.5 19.1
ALT/AZ=53.7 153.9
fwAVG=2.73
sdW=16.3
fwW=2.74
sdS=47.0
fwS=2.67
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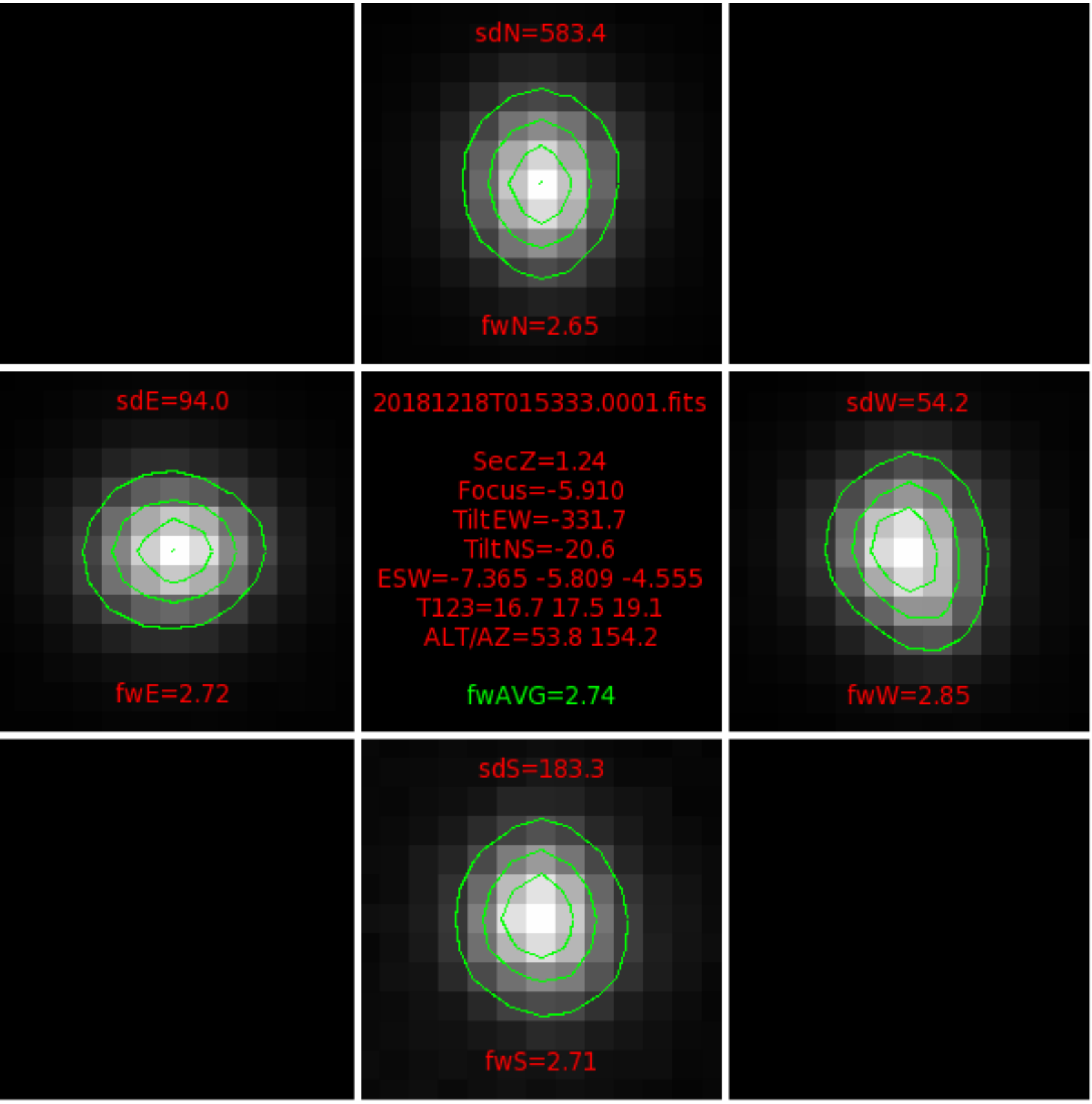
sdN=583.4
fwN=2.65
sdE=94.0
fwE=2.72
20181218T015333.0001.fits
SecZ=1.24
Focus=-5.910
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.365 -5.809 -4.555
T123=16.7 17.5 19.1
ALT/AZ=53.8 154.2
fwAVG=2.74
sdW=54.2
fwW=2.85
sdS=183.3
fwS=2.71
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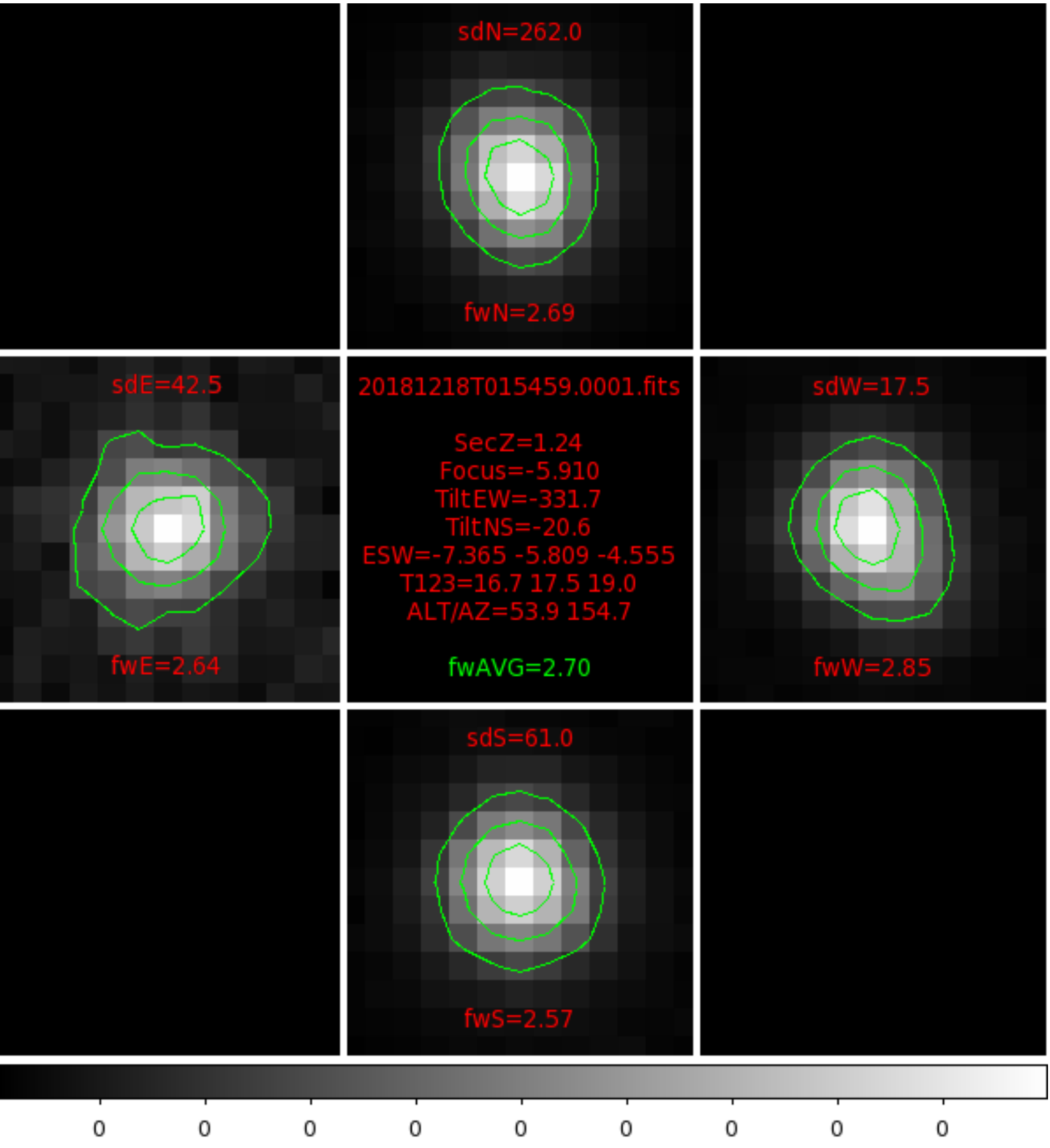
sdN=262.0
fwN=2.69
sdE=42.5
fwE=2.64
20181218T015459.0001.fits
SecZ=1.24
Focus=-5.910
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.365 -5.809 -4.555
T123=16.7 17.5 19.0
ALT/AZ=53.9 154.7
fwAVG=2.70
sdW=17.5
fwW=2.85
sdS=61.0
fwS=2.57
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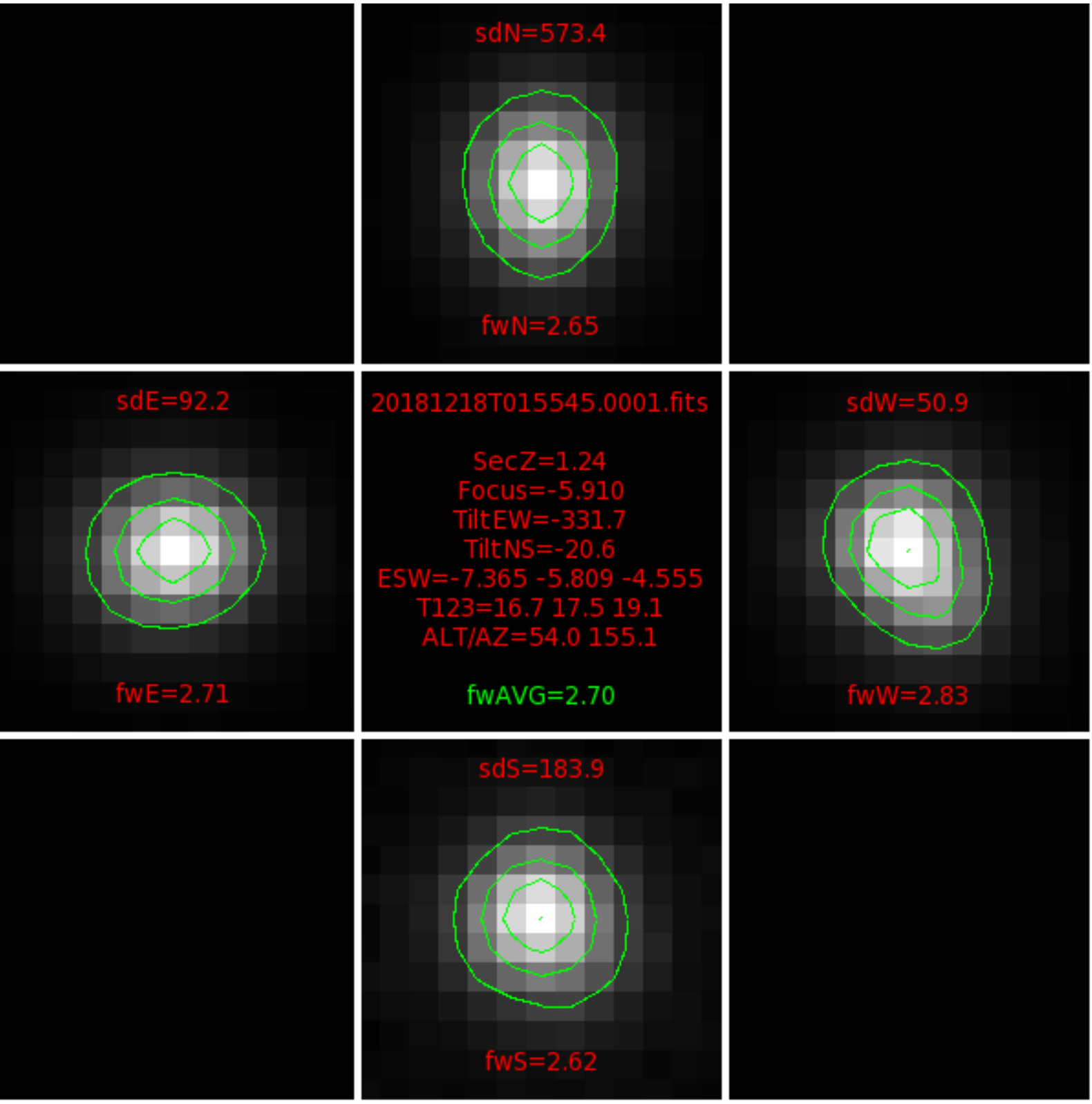
sdN=573.4
fwN=2.65
sdE=92.2
fwE=2.71
20181218T015545.0001.fits
SecZ=1.24
Focus=-5.910
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.365 -5.809 -4.555
T123=16.7 17.5 19.1
ALT/AZ=54.0 155.1
fwAVG=2.70
sdW=50.9
fwW=2.83
sdS=183.9
fwS=2.62
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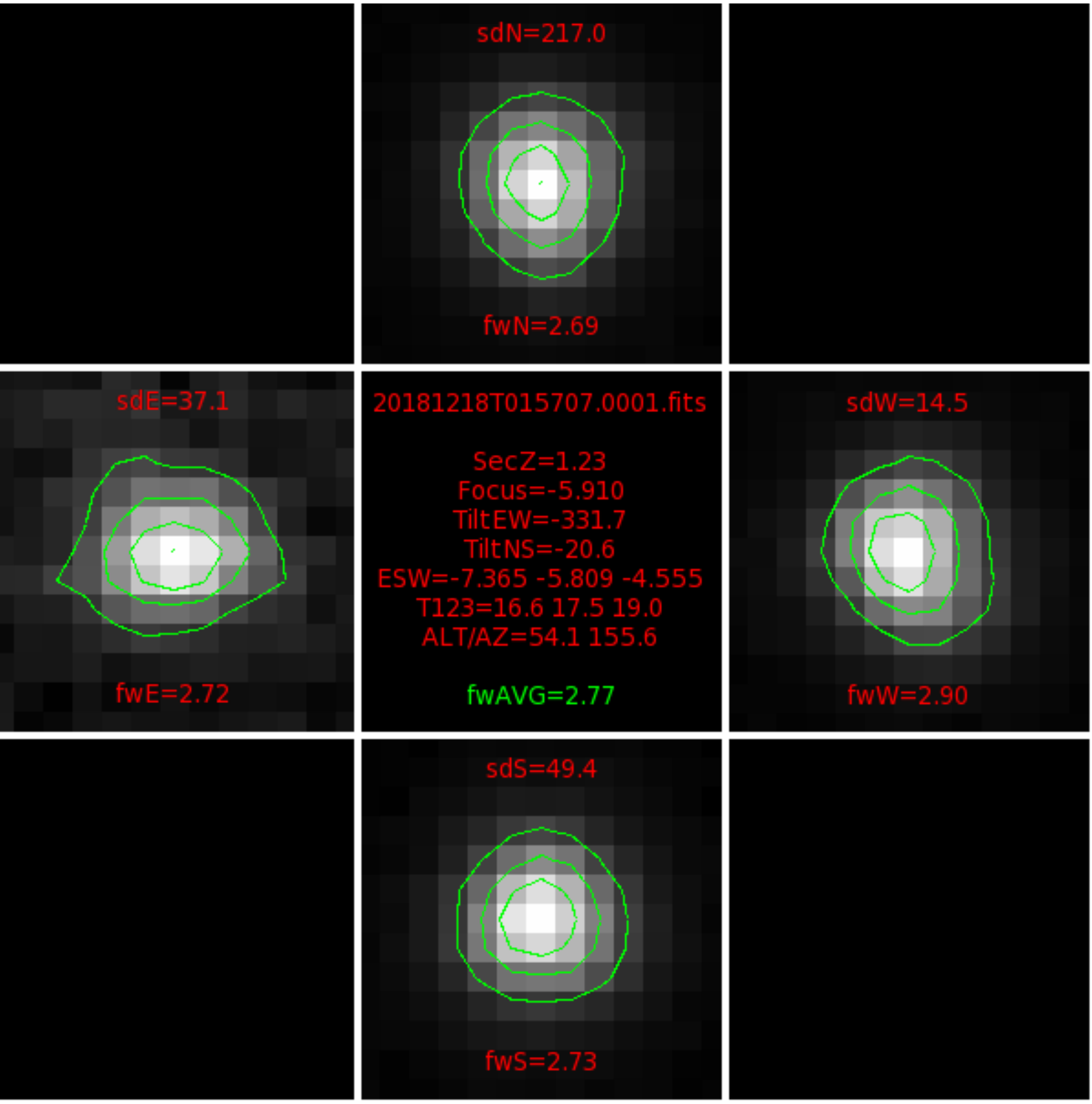
sdN=217.0
fwN=2.69
sdE=37.1
fwE=2.72
20181218T015707.0001.fits
SecZ=1.23
Focus=-5.910
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.365 -5.809 -4.555
T123=16.6 17.5 19.0
ALT/AZ=54.1 155.6
fwAVG=2.77
sdW=14.5
fwW=2.90
sdS=49.4
fwS=2.73
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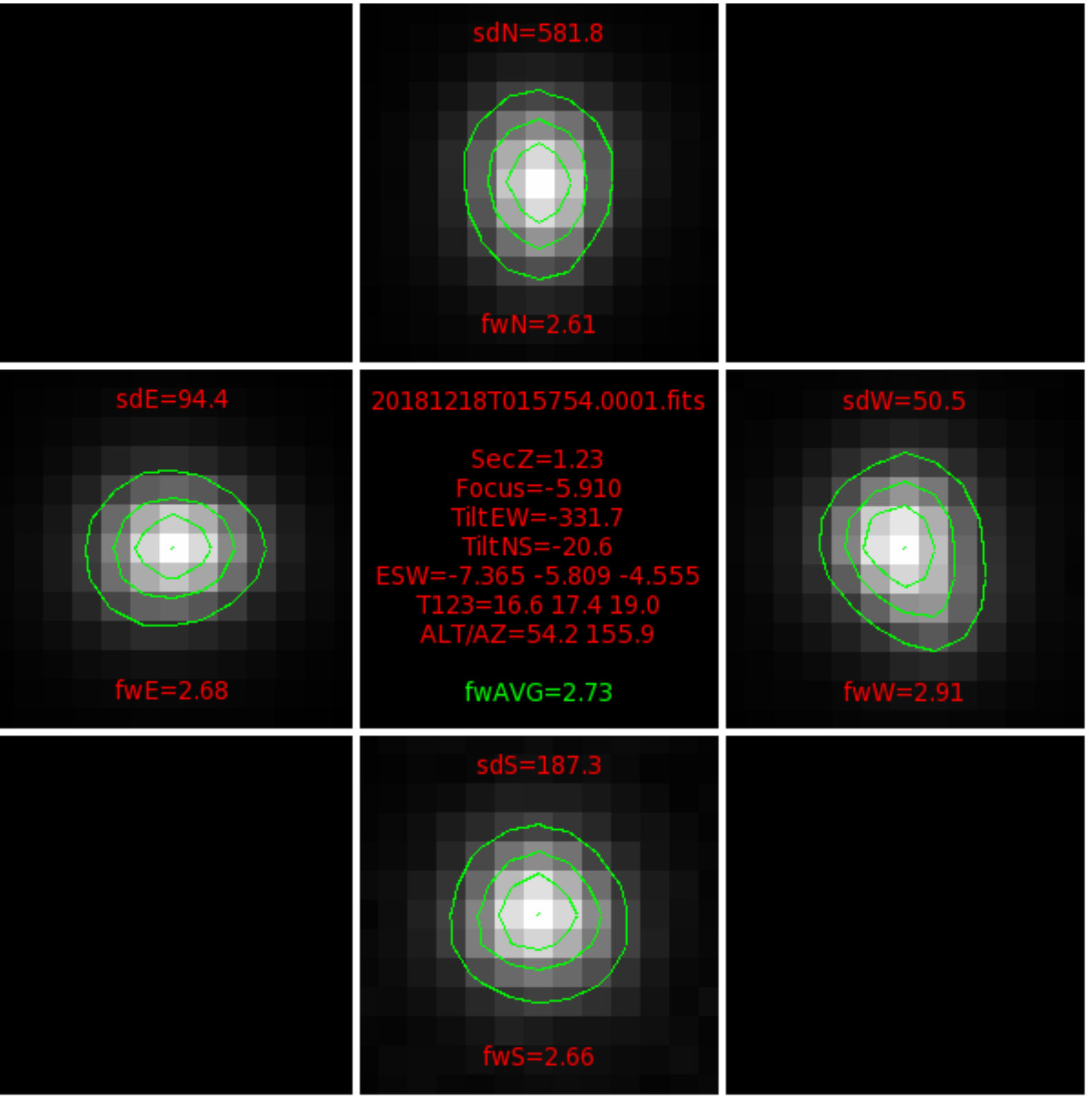
sdN=581.8
fwN=2.61
sdE=94.4
fwE=2.68
20181218T015754.0001.fits
SecZ=1.23
Focus=-5.910
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.365 -5.809 -4.555
T123=16.6 17.4 19.0
ALT/AZ=54.2 155.9
fwAVG=2.73
sdW=50.5
fwW=2.91
sdS=187.3
fwS=2.66
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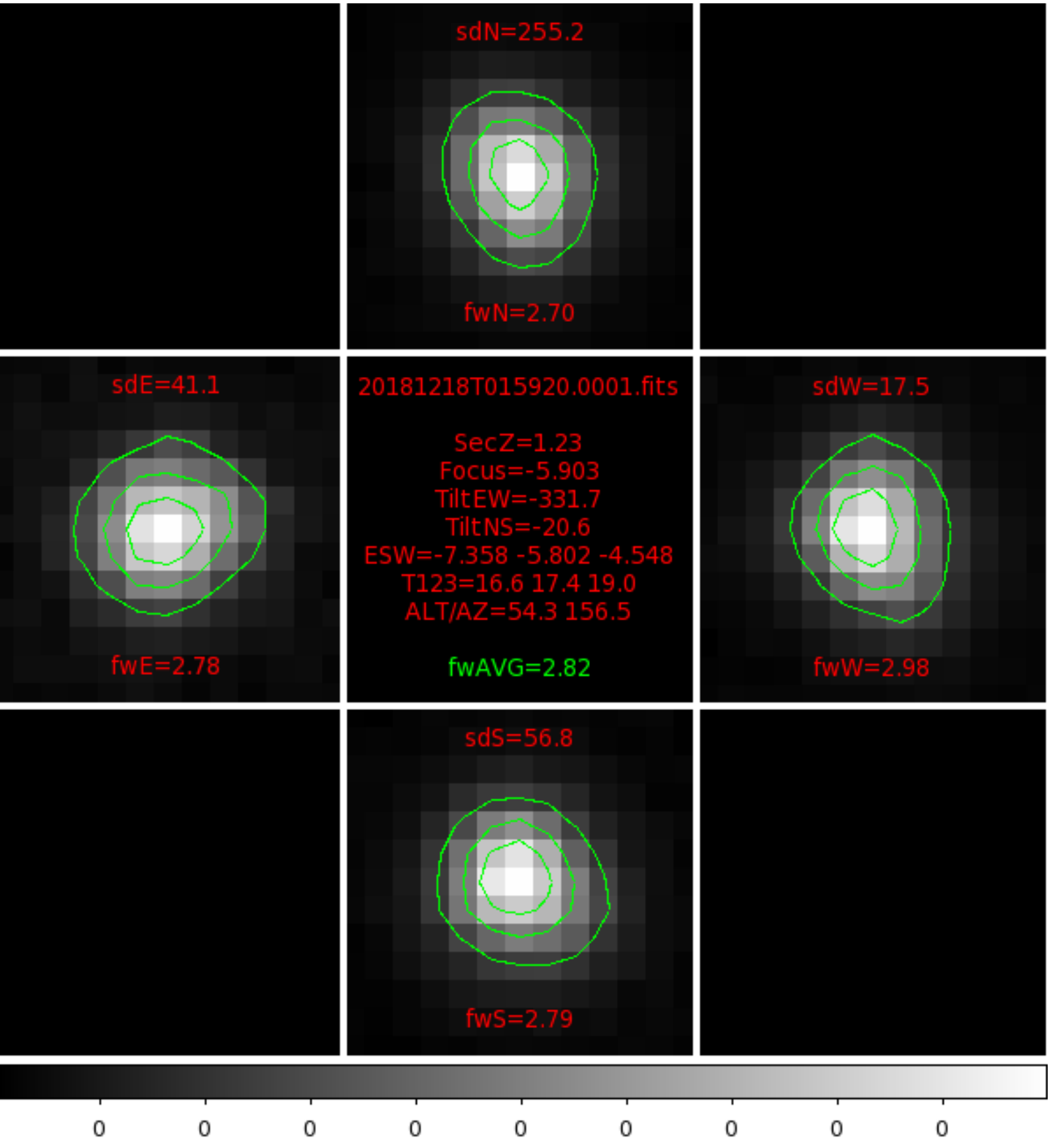
sdN=255.2
fwN=2.70
sdE=41.1
fwE=2.78
20181218T015920.0001.fits
SecZ=1.23
Focus=-5.903
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.358 -5.802 -4.548
T123=16.6 17.4 19.0
ALT/AZ=54.3 156.5
fwAVG=2.82
sdW=17.5
fwW=2.98
sdS=56.8
fwS=2.79
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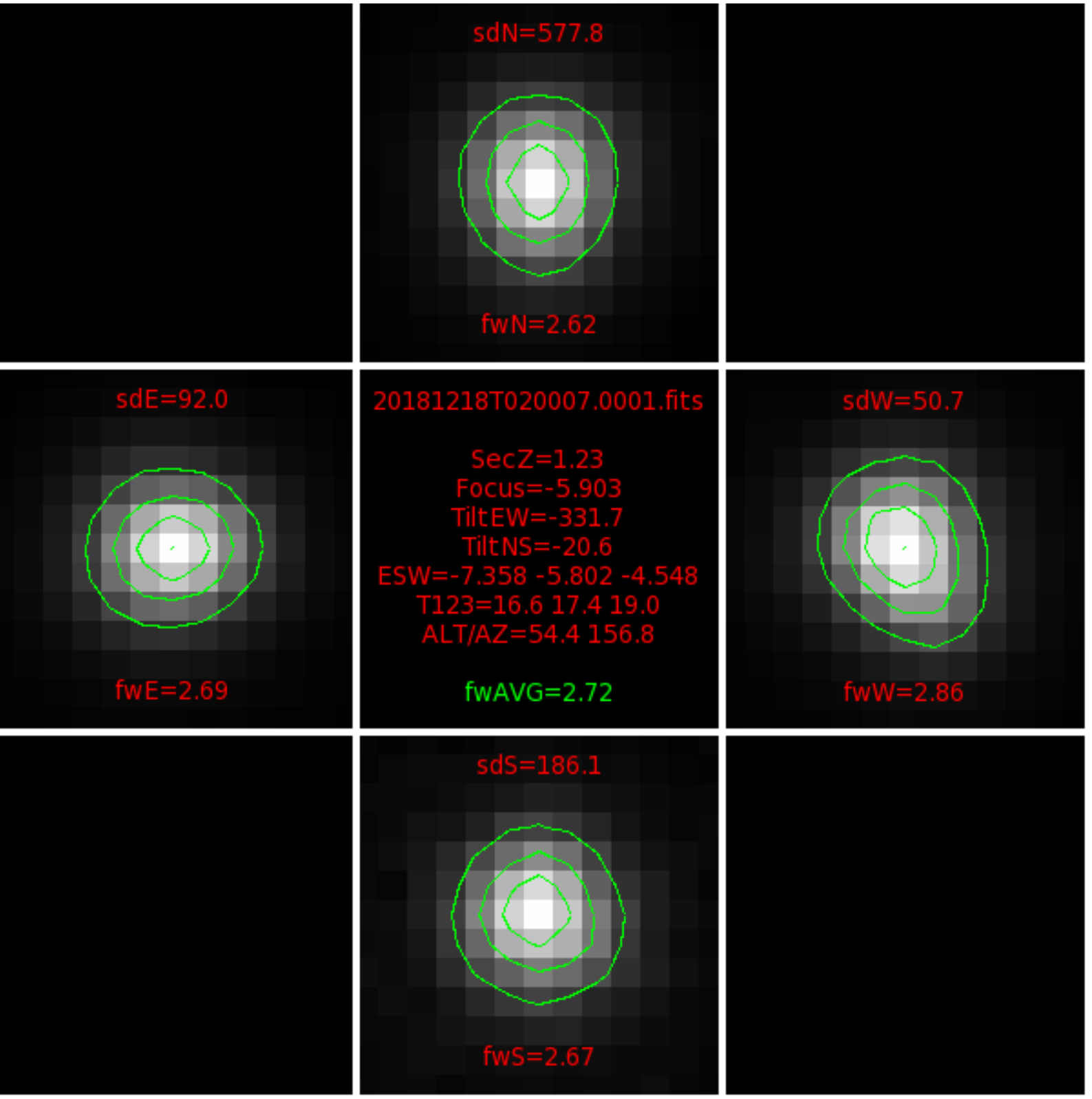
sdN=577.8
fwN=2.62
sdE=92.0
fwE=2.69
20181218T020007.0001.fits
SecZ=1.23
Focus=-5.903
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.358 -5.802 -4.548
T123=16.6 17.4 19.0
ALT/AZ=54.4 156.8
fwAVG=2.72
sdW=50.7
fwW=2.86
sdS=186.1
fwS=2.67
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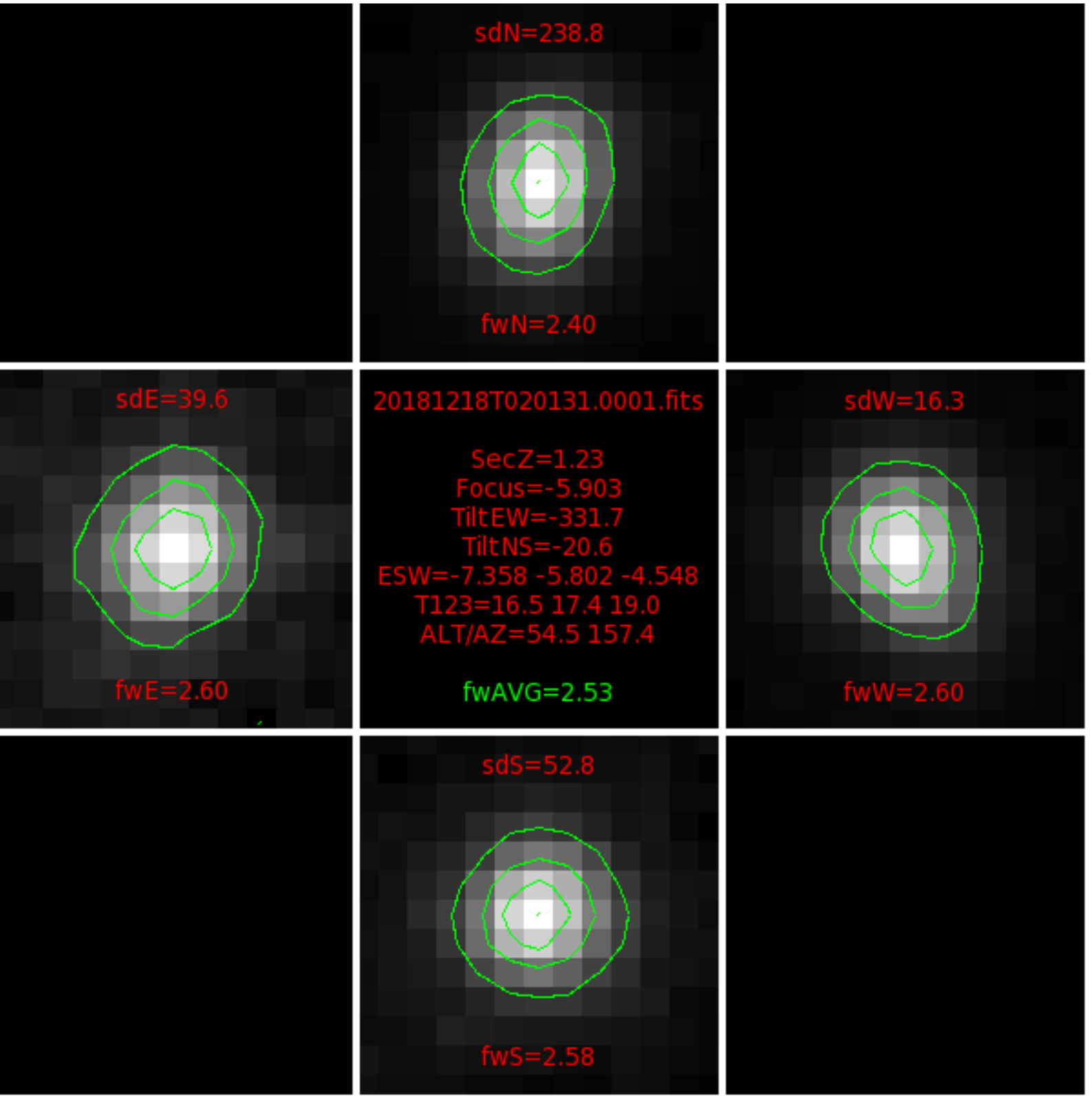
sdN=238.8
fwN=2.40
sdE=39.6
fwE=2.60
20181218T020131.0001.fits
SecZ=1.23
Focus=-5.903
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.358 -5.802 -4.548
T123=16.5 17.4 19.0
ALT/AZ=54.5 157.4
fwAVG=2.53
sdW=16.3
fwW=2.60
sdS=52.8
fwS=2.58
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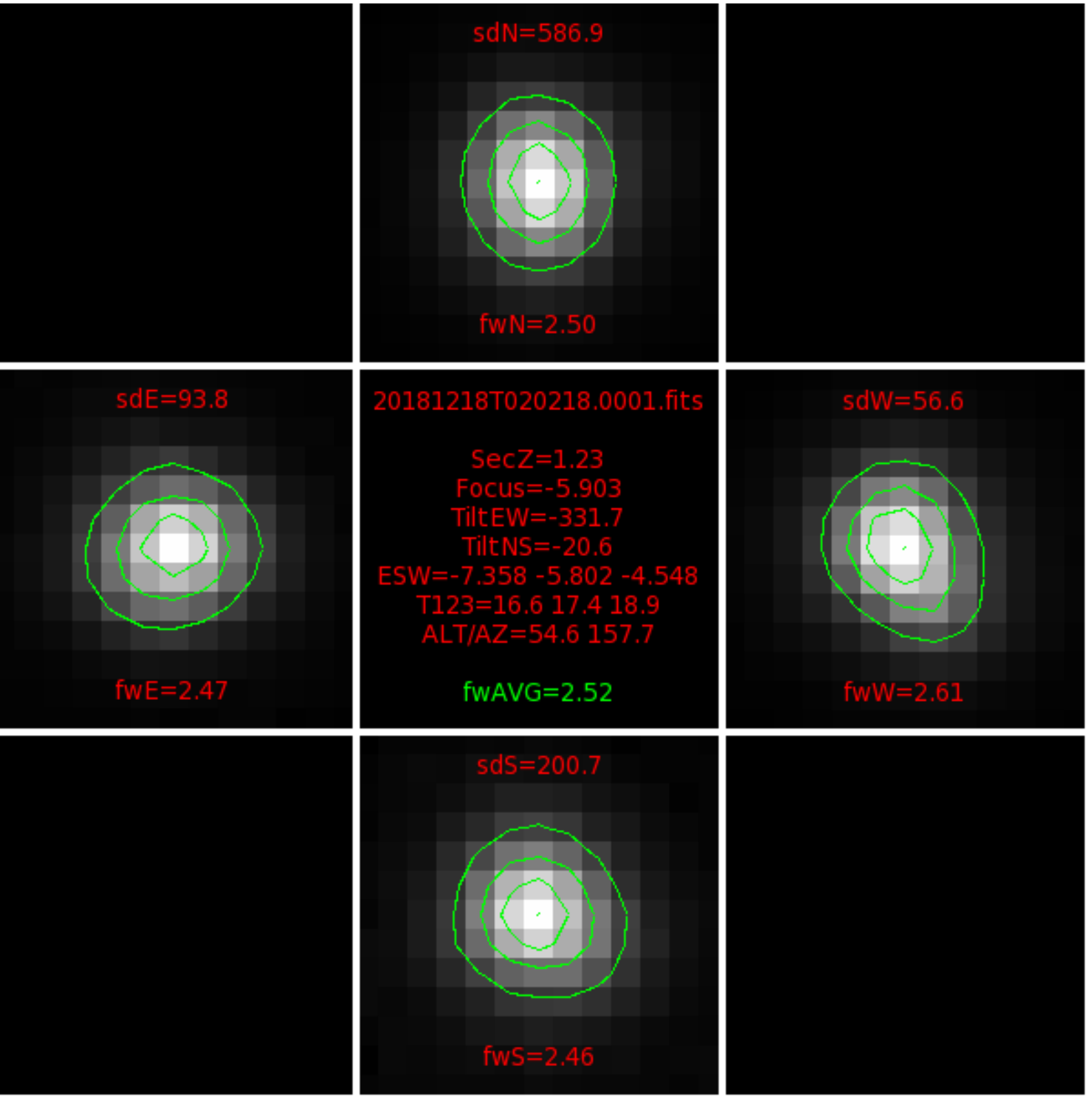
sdN=586.9
fwN=2.50
sdE=93.8
fwE=2.47
20181218T020218.0001.fits
SecZ=1.23
Focus=-5.903
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.358 -5.802 -4.548
T123=16.6 17.4 18.9
ALT/AZ=54.6 157.7
fwAVG=2.52
sdW=56.6
fwW=2.61
sdS=200.7
fwS=2.46
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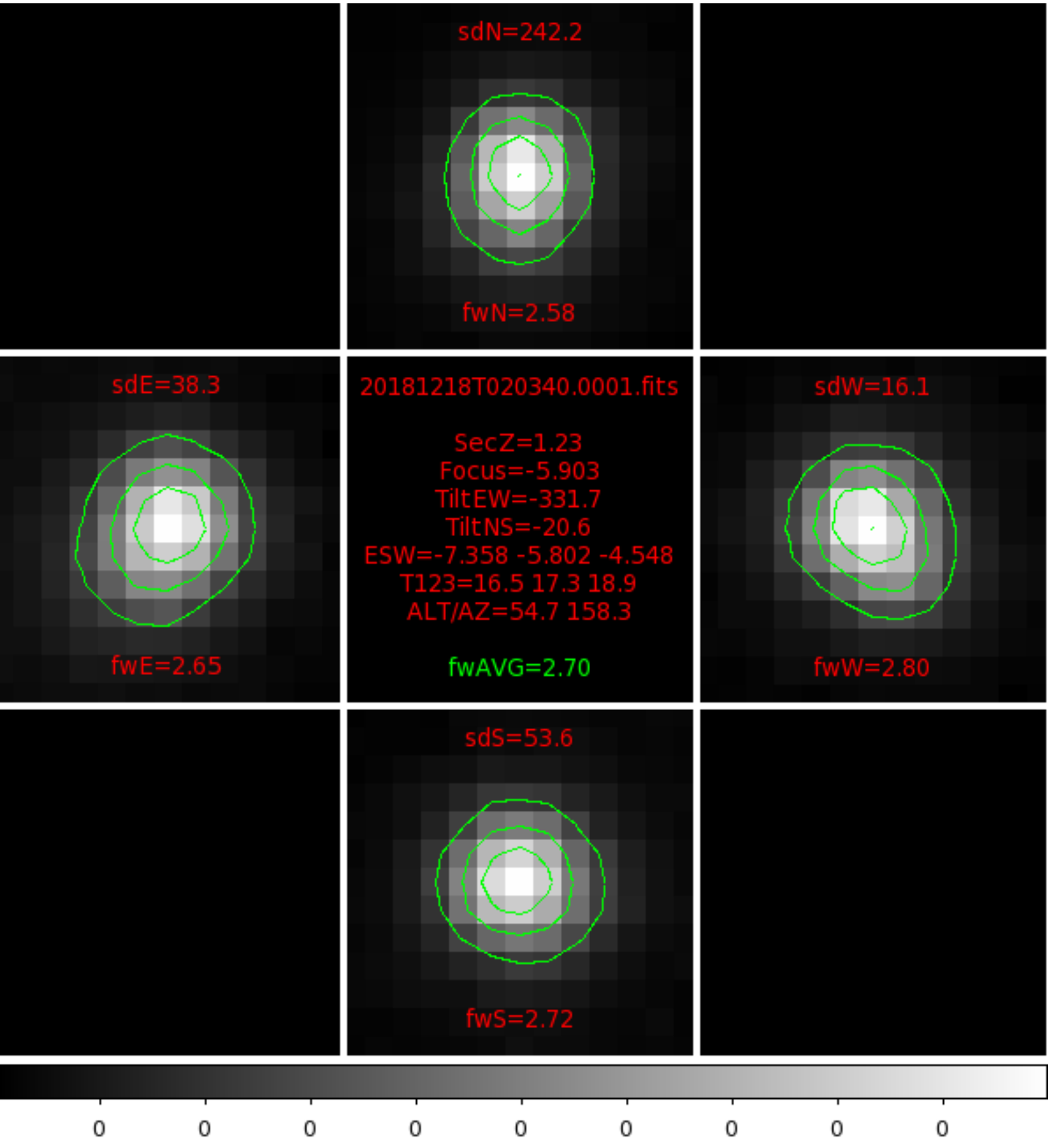
sdN=242.2
fwN=2.58
sdE=38.3
fwE=2.65
20181218T020340.0001.fits
SecZ=1.23
Focus=-5.903
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.358 -5.802 -4.548
T123=16.5 17.3 18.9
ALT/AZ=54.7 158.3
fwAVG=2.70
sdW=16.1
fwW=2.80
sdS=53.6
fwS=2.72
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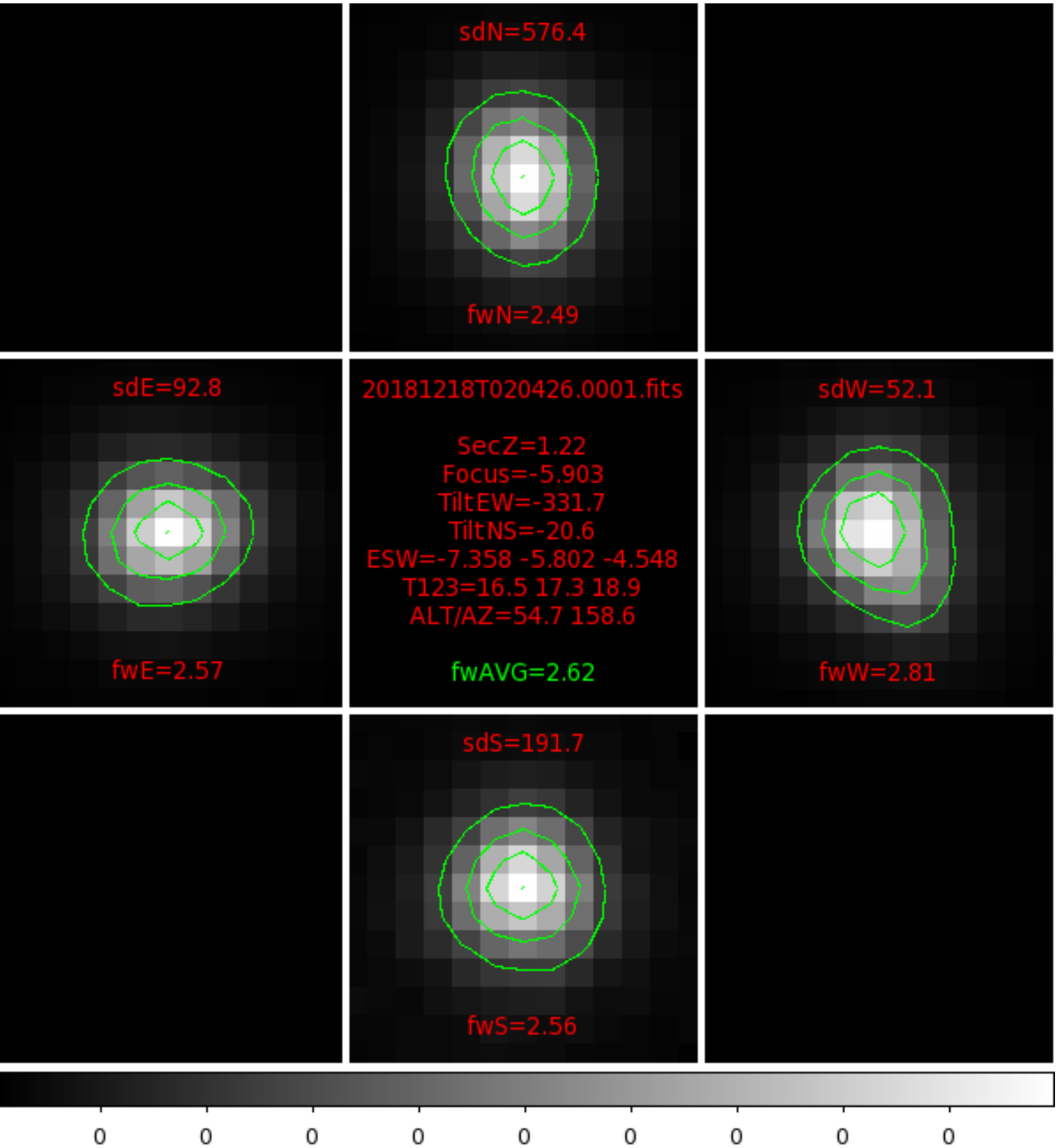
sdN=576.4
fwN=2.49
sdE=92.8
fwE=2.57
20181218T020426.0001.fits
SecZ=1.22
Focus=-5.903
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.358 -5.802 -4.548
T123=16.5 17.3 18.9
ALT/AZ=54.7 158.6
fwAVG=2.62
sdW=52.1
fwW=2.81
sdS=191.7
fwS=2.56
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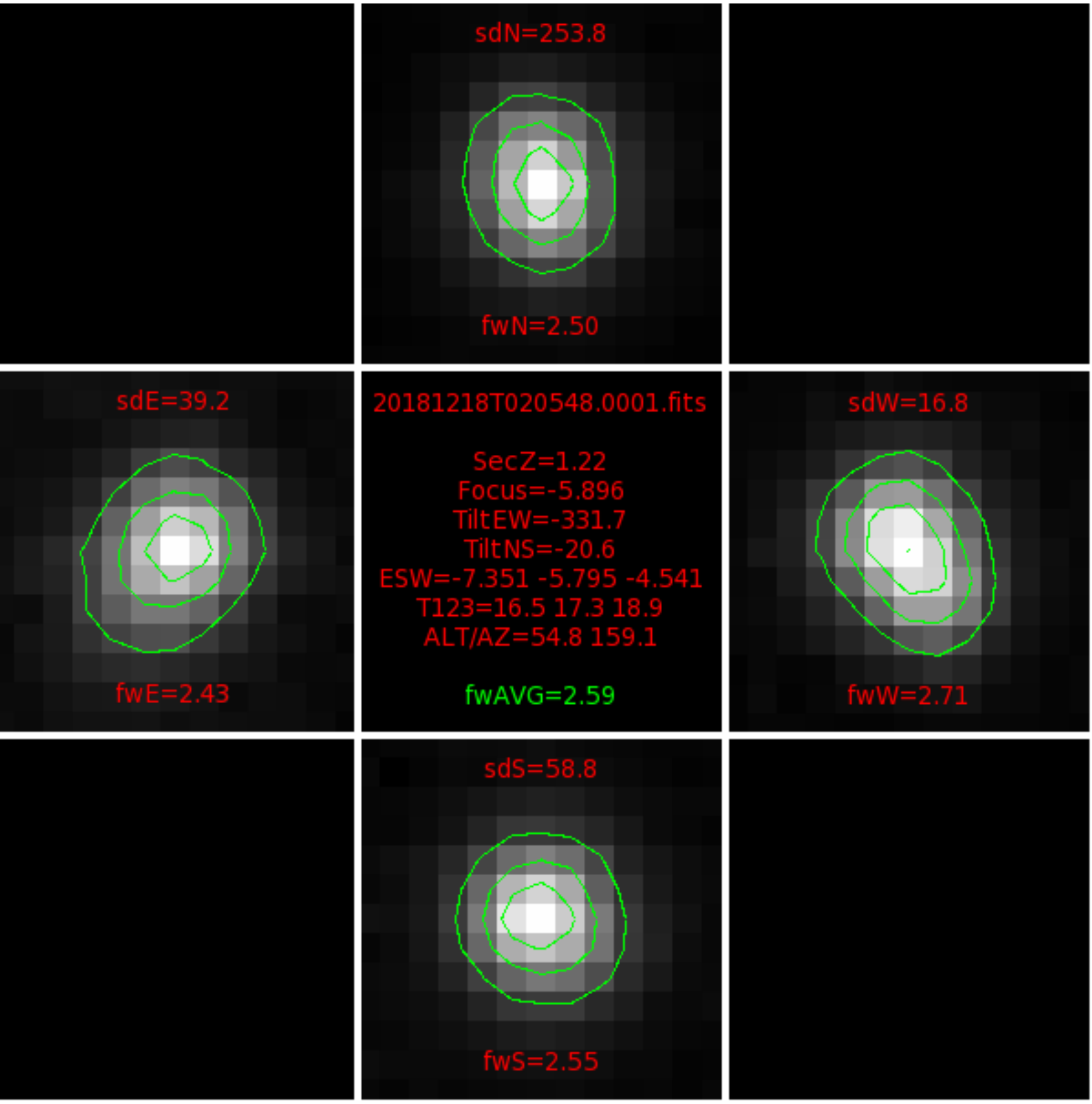
sdN=253.8
fwN=2.50
sdE=39.2
fwE=2.43
20181218T020548.0001.fits
SecZ=1.22
Focus=-5.896
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.351 -5.795 -4.541
T123=16.5 17.3 18.9
ALT/AZ=54.8 159.1
fwAVG=2.59
sdW=16.8
fwW=2.71
sdS=58.8
fwS=2.55
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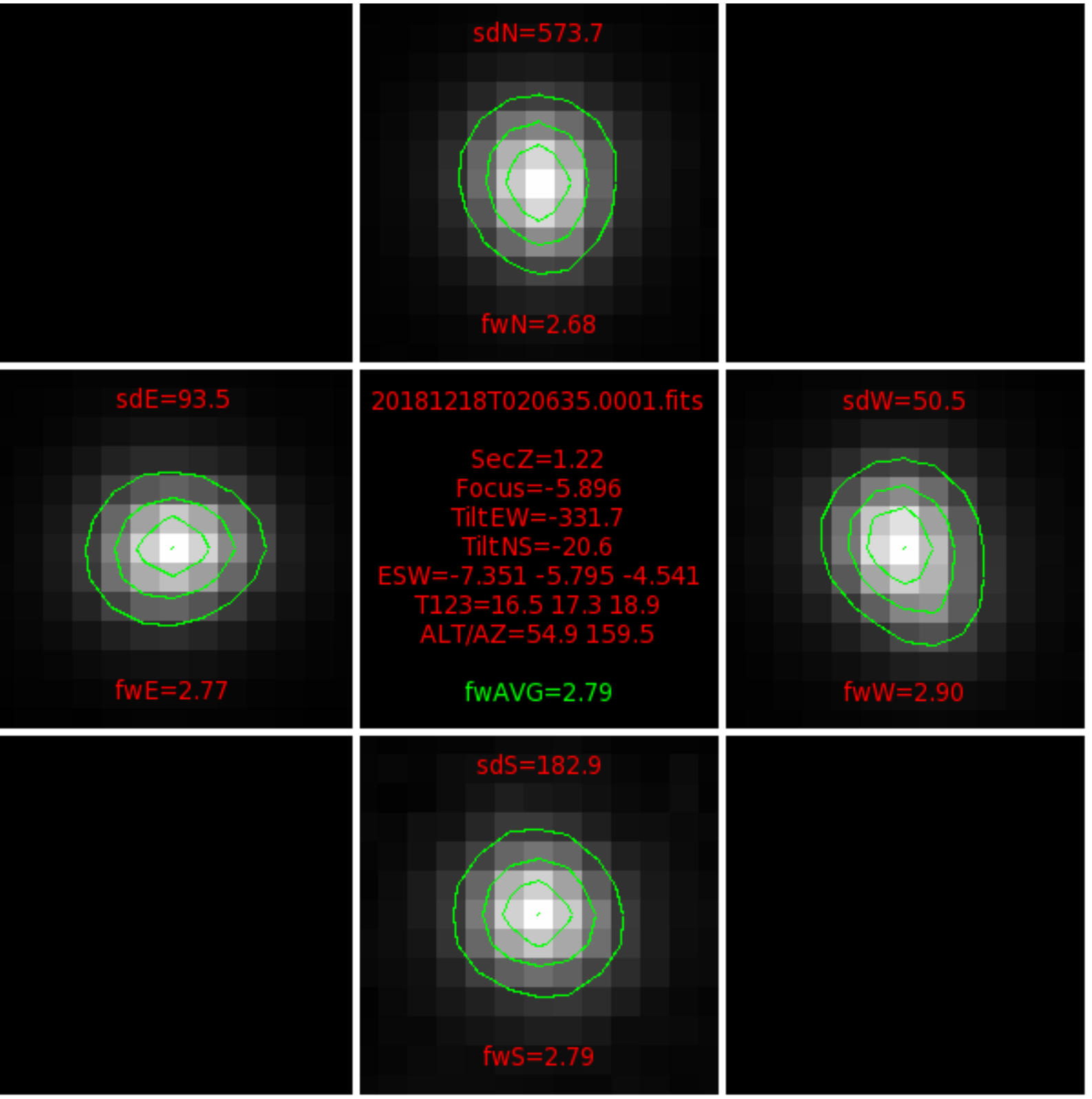
sdN=573.7
fwN=2.68
sdE=93.5
fwE=2.77
20181218T020635.0001.fits
SecZ=1.22
Focus=-5.896
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.351 -5.795 -4.541
T123=16.5 17.3 18.9
ALT/AZ=54.9 159.5
fwAVG=2.79
sdW=50.5
fwW=2.90
sdS=182.9
fwS=2.79
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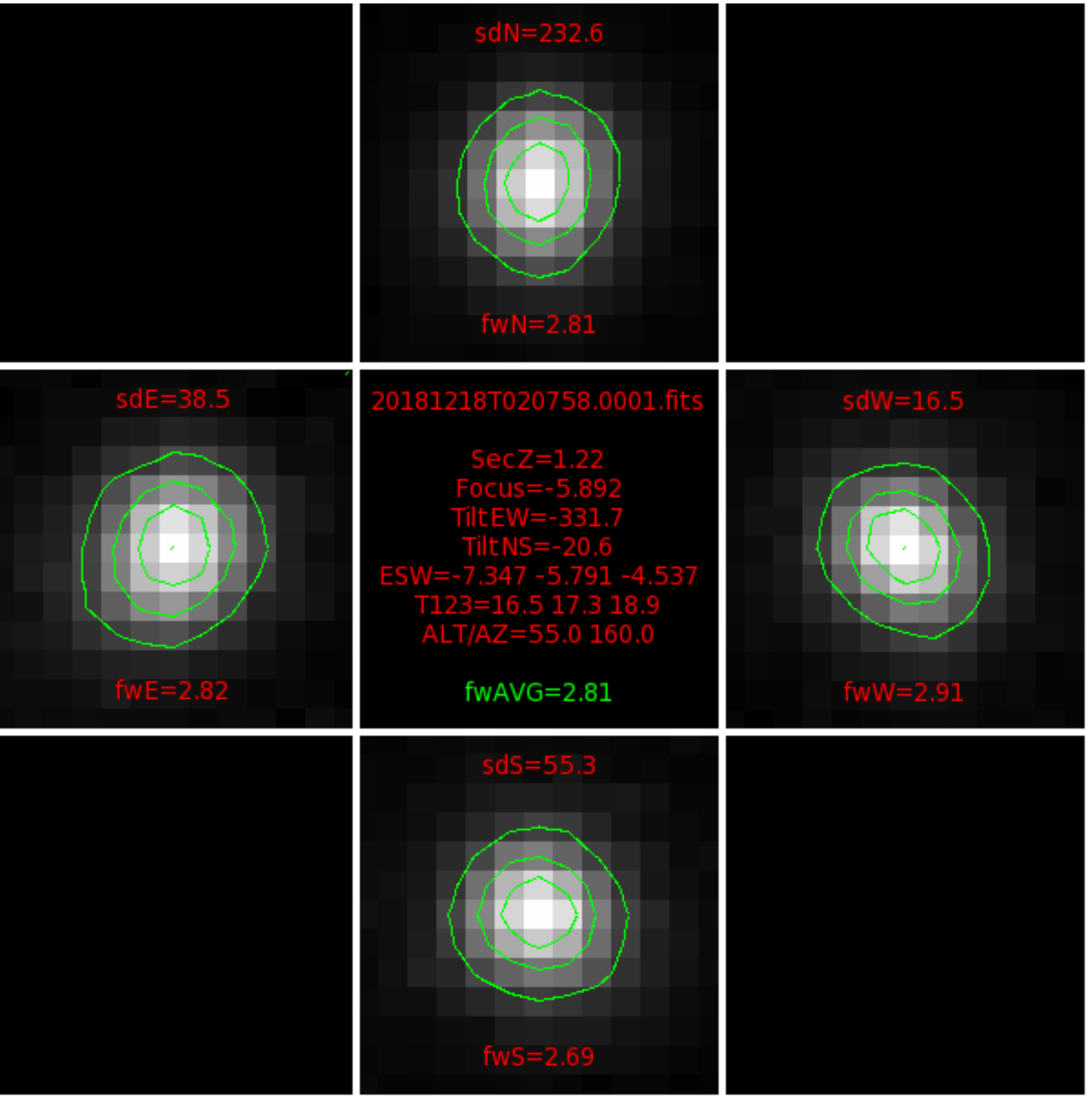
sdN=232.6
fwN=2.81
sdE=38.5
fwE=2.82
20181218T020758.0001.fits
SecZ=1.22
Focus=-5.892
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.347 -5.791 -4.537
T123=16.5 17.3 18.9
ALT/AZ=55.0 160.0
fwAVG=2.81
sdW=16.5
fwW=2.91
sdS=55.3
fwS=2.69
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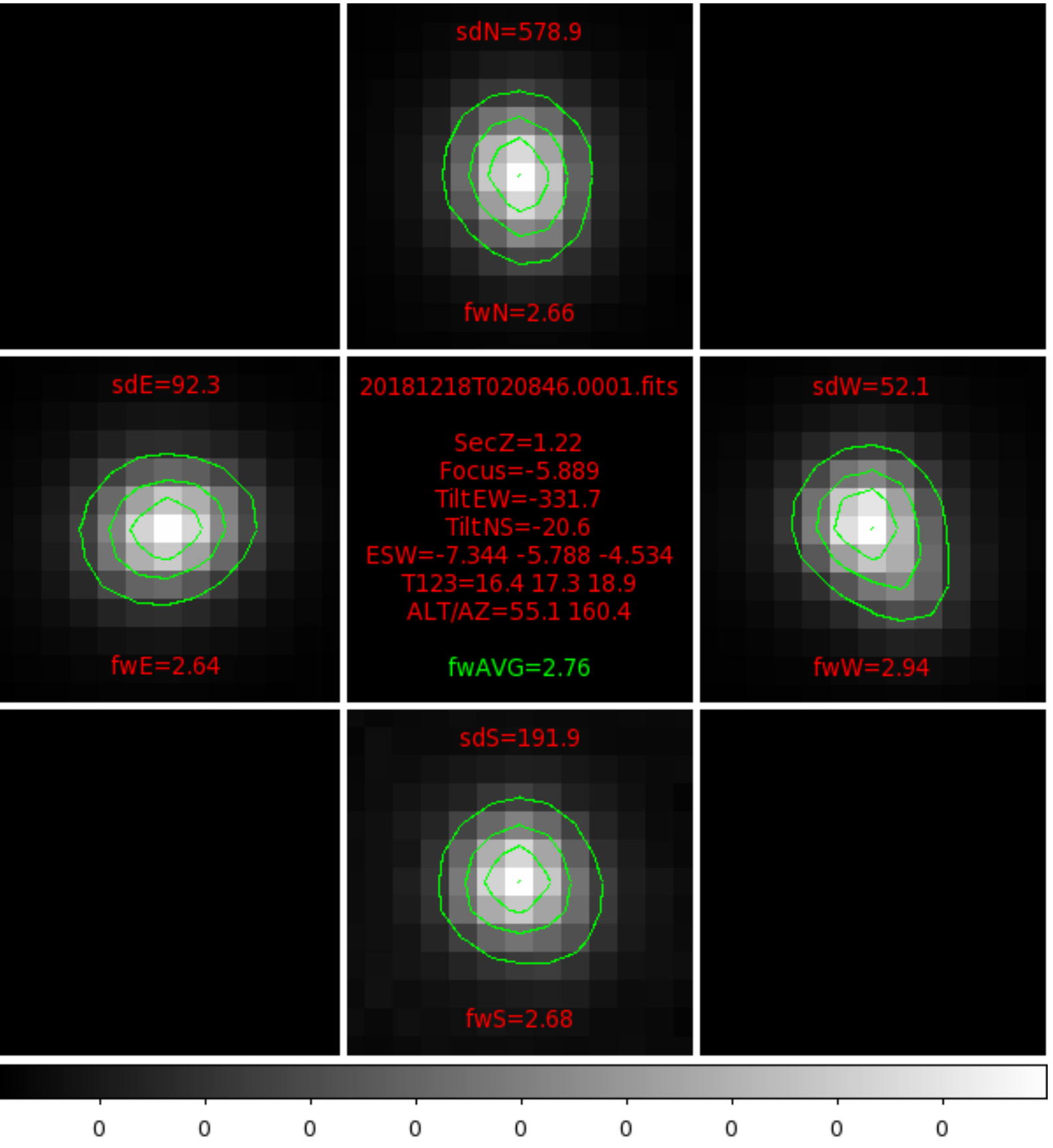
sdN=578.9
fwN=2.66
sdE=92.3
fwE=2.64
20181218T020846.0001.fits
SecZ=1.22
Focus=-5.889
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.344 -5.788 -4.534
T123=16.4 17.3 18.9
ALT/AZ=55.1 160.4
fwAVG=2.76
sdW=52.1
fwW=2.94
sdS=191.9
fwS=2.68
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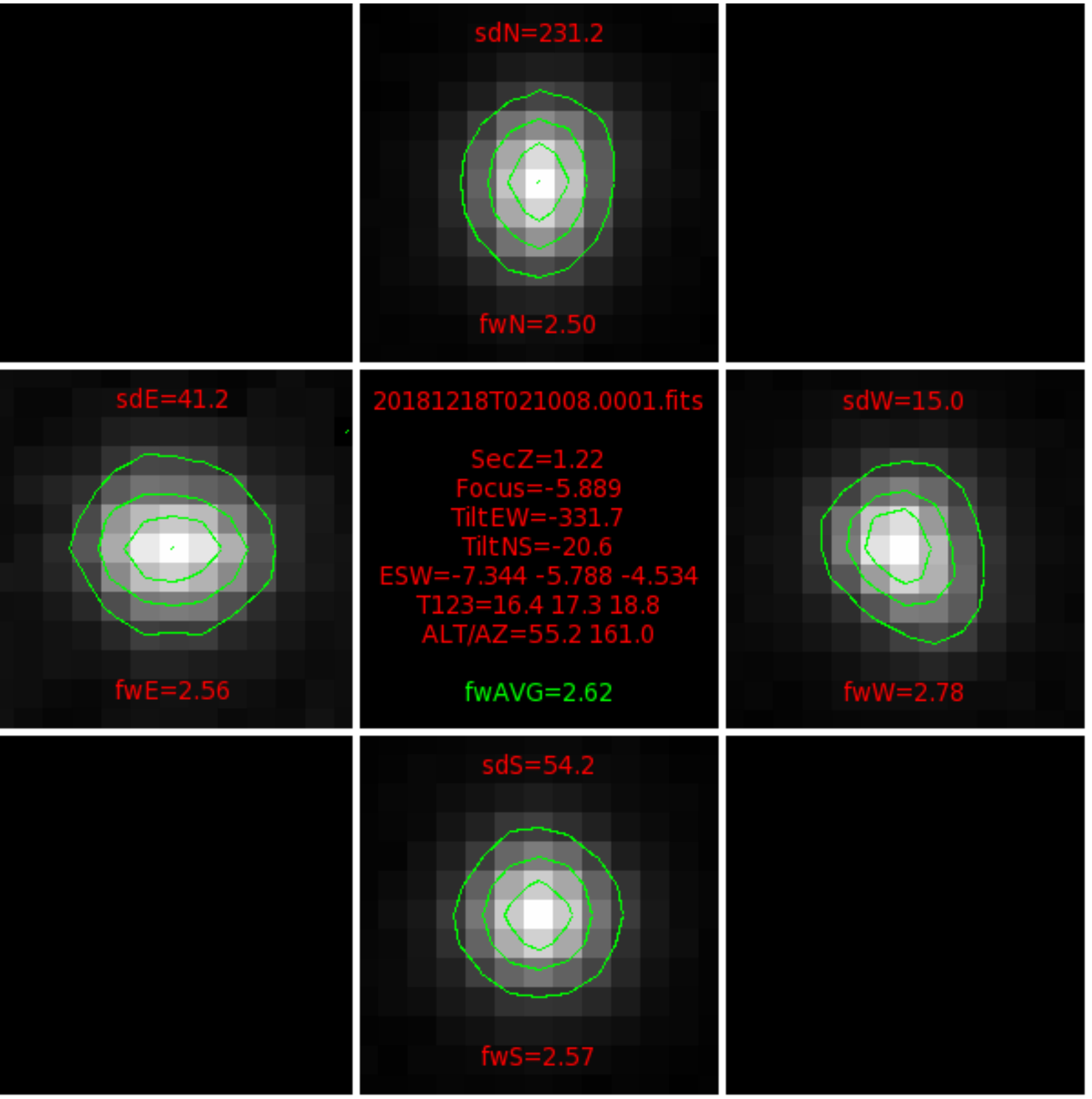
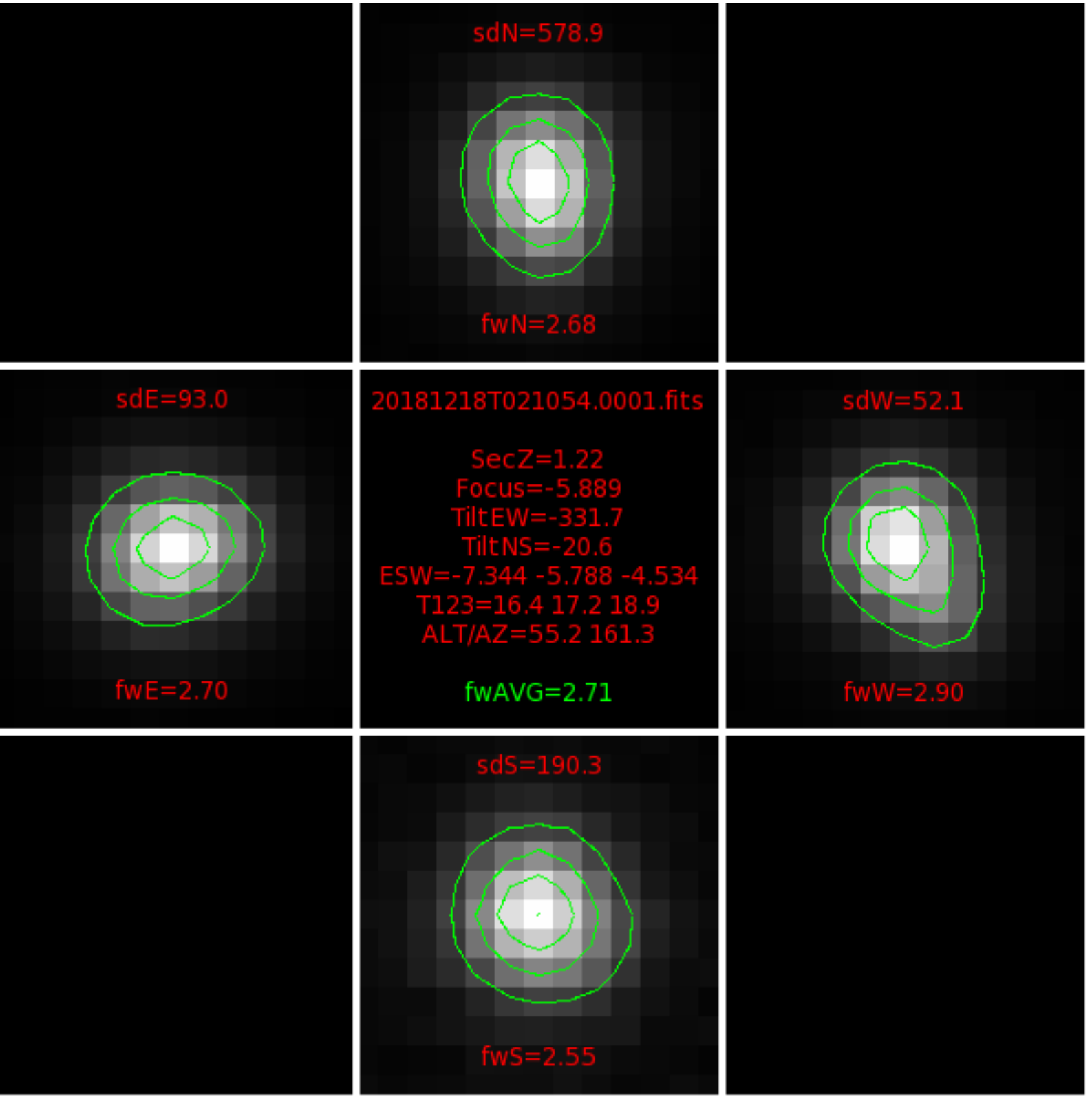

sdN=231.2
fwN=2.50
sdE=41.2
fwE=2.56
20181218T021008.0001.fits
SecZ=1.22
Focus=-5.889
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.344 -5.788 -4.534
T123=16.4 17.3 18.8
ALT/AZ=55.2 161.0
fwAVG=2.62
sdW=15.0
fwW=2.78
sdS=54.2
fwS=2.57
0 0 0 0 0 0 0 0 0


sdN=578.9
fwN=2.68
sdE=93.0
fwE=2.70
20181218T021054.0001.fits
SecZ=1.22
Focus=-5.889
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.344 -5.788 -4.534
T123=16.4 17.2 18.9
ALT/AZ=55.2 161.3
fwAVG=2.71
sdW=52.1
fwW=2.90
sdS=190.3
fwS=2.55
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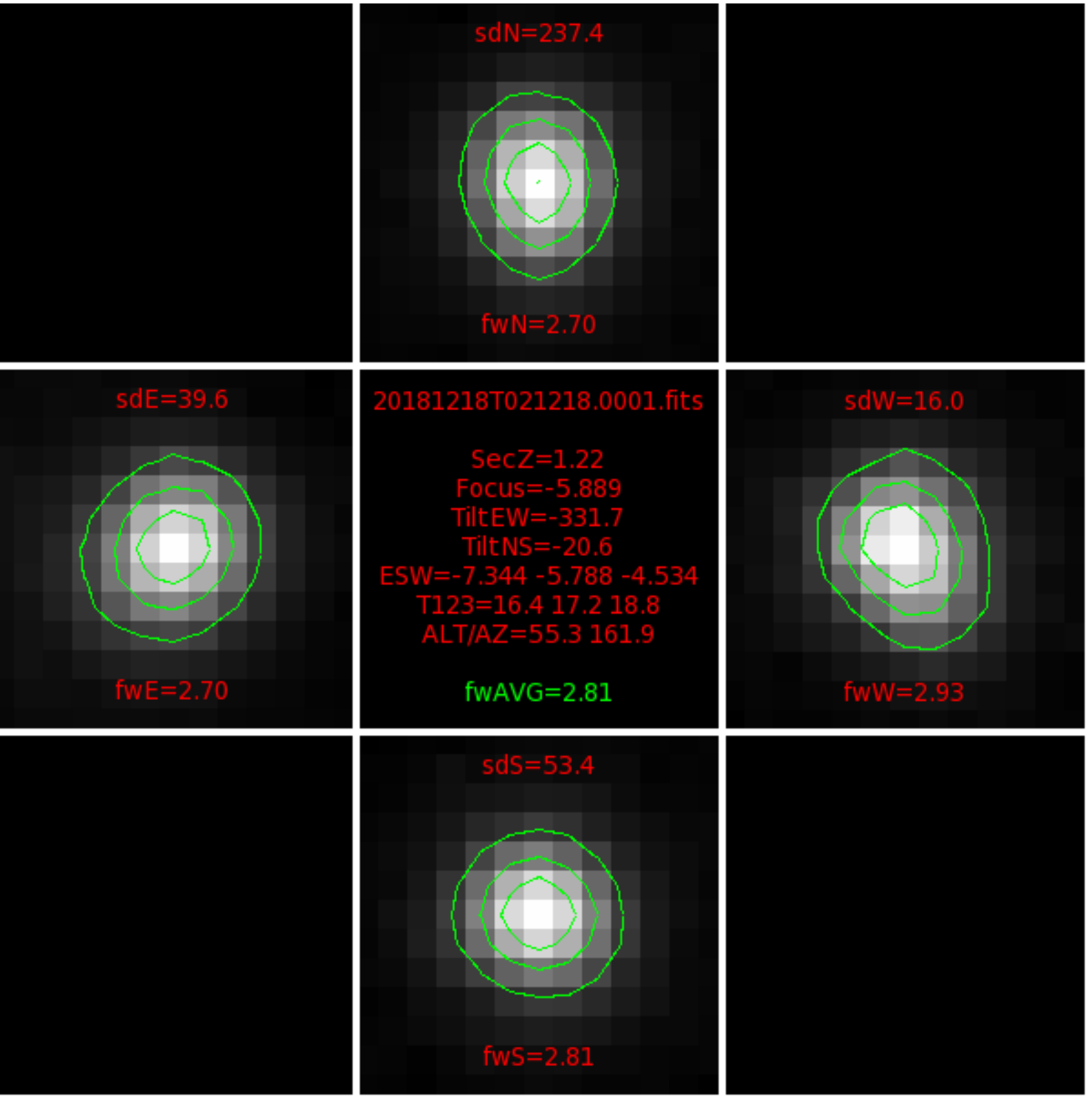
sdN=237.4
fwN=2.70
sdE=39.6
fwE=2.70
20181218T021218.0001.fits
SecZ=1.22
Focus=-5.889
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.344 -5.788 -4.534
T123=16.4 17.2 18.8
ALT/AZ=55.3 161.9
fwAVG=2.81
sdW=16.0
fwW=2.93
sdS=53.4
fwS=2.81
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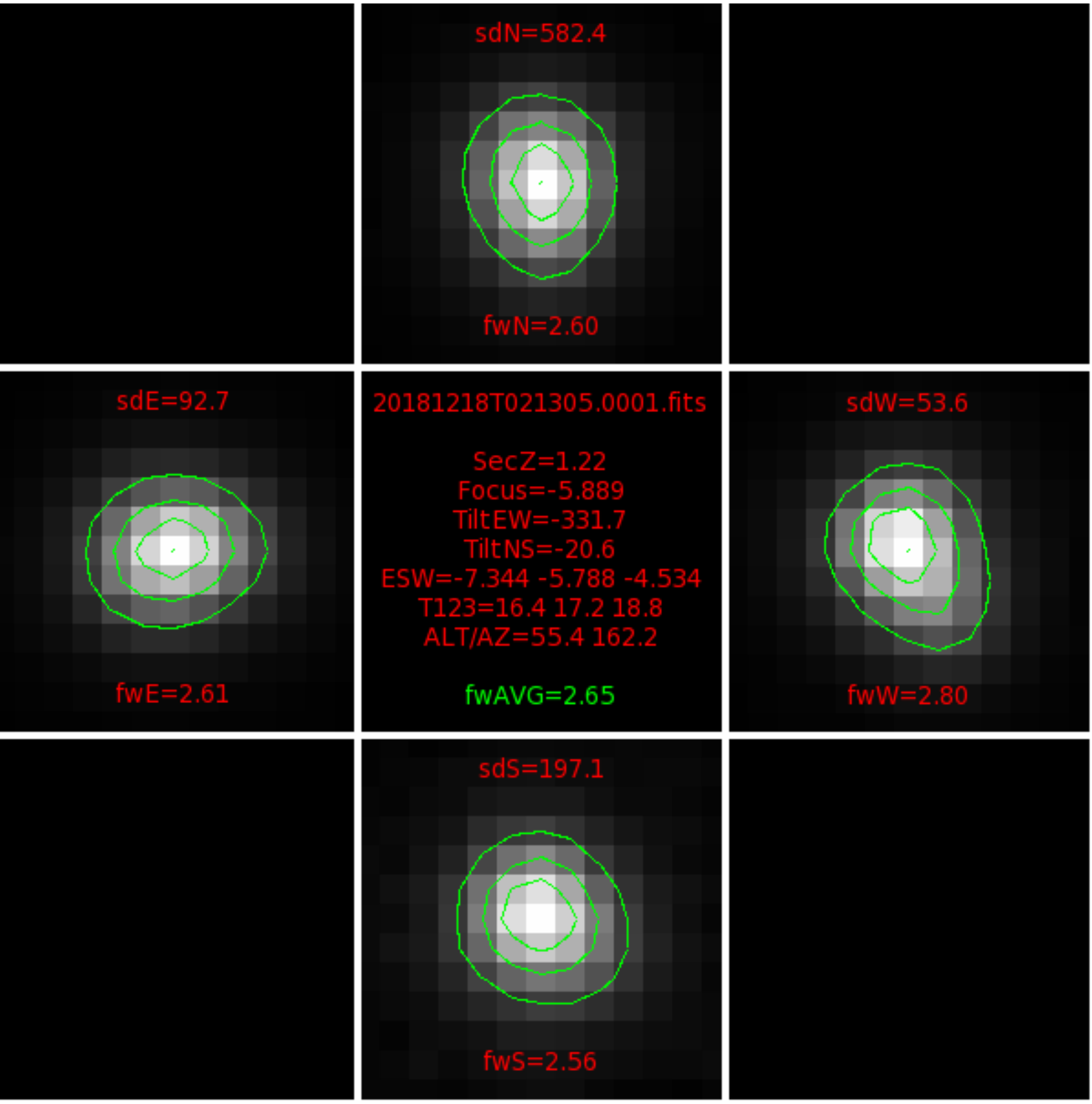
sdN=582.4
fwN=2.60
sdE=92.7
fwE=2.61
20181218T021305.0001.fits
SecZ=1.22
Focus=-5.889
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.344 -5.788 -4.534
T123=16.4 17.2 18.8
ALT/AZ=55.4 162.2
fwAVG=2.65
sdW=53.6
fwW=2.80
sdS=197.1
fwS=2.56
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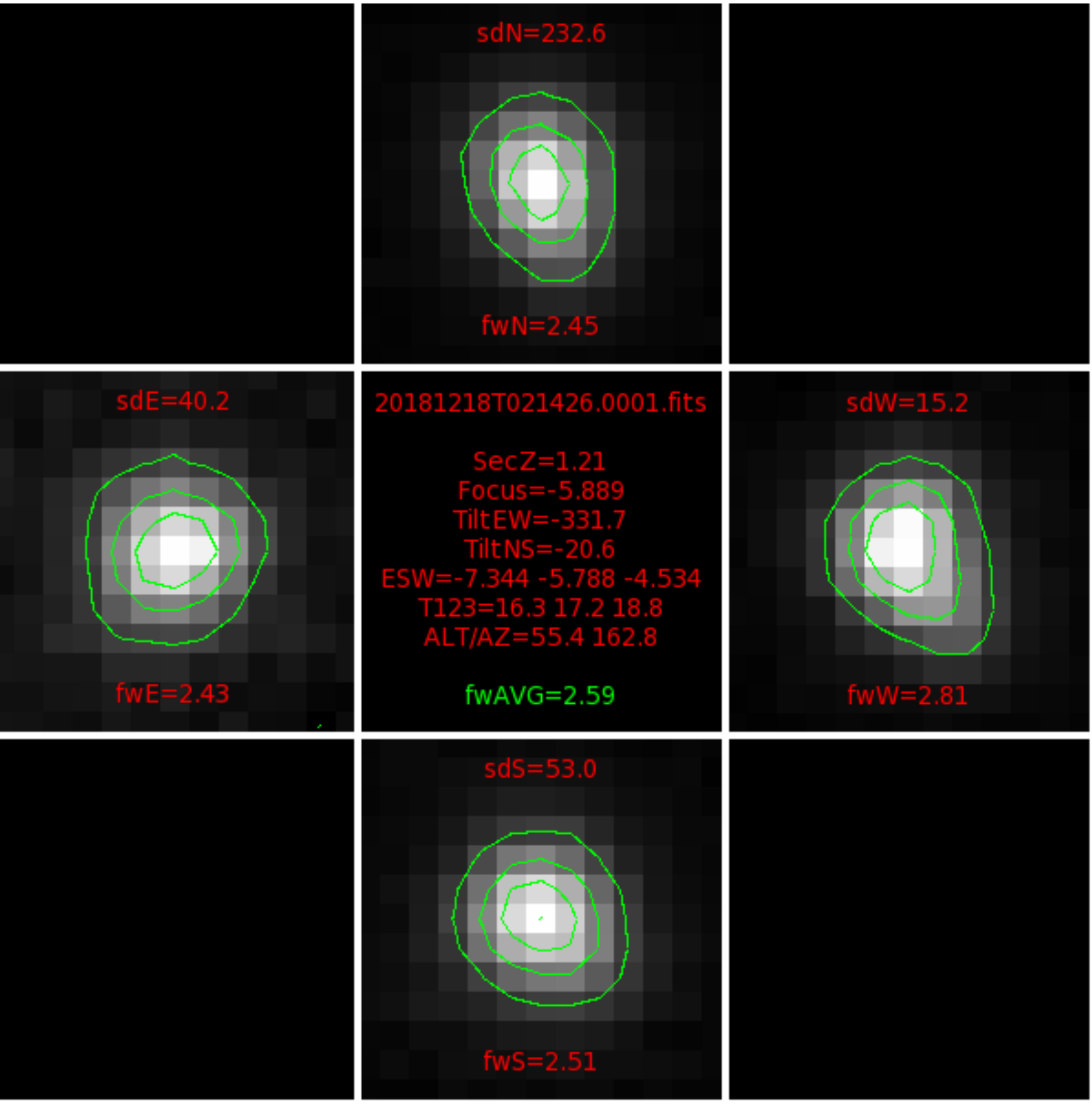
sdN=232.6
fwN=2.45
sdE=40.2
fwE=2.43
20181218T021426.0001.fits
SecZ=1.21
Focus=-5.889
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.344 -5.788 -4.534
T123=16.3 17.2 18.8
ALT/AZ=55.4 162.8
fwAVG=2.59
sdW=15.2
fwW=2.81
sdS=53.0
fwS=2.51
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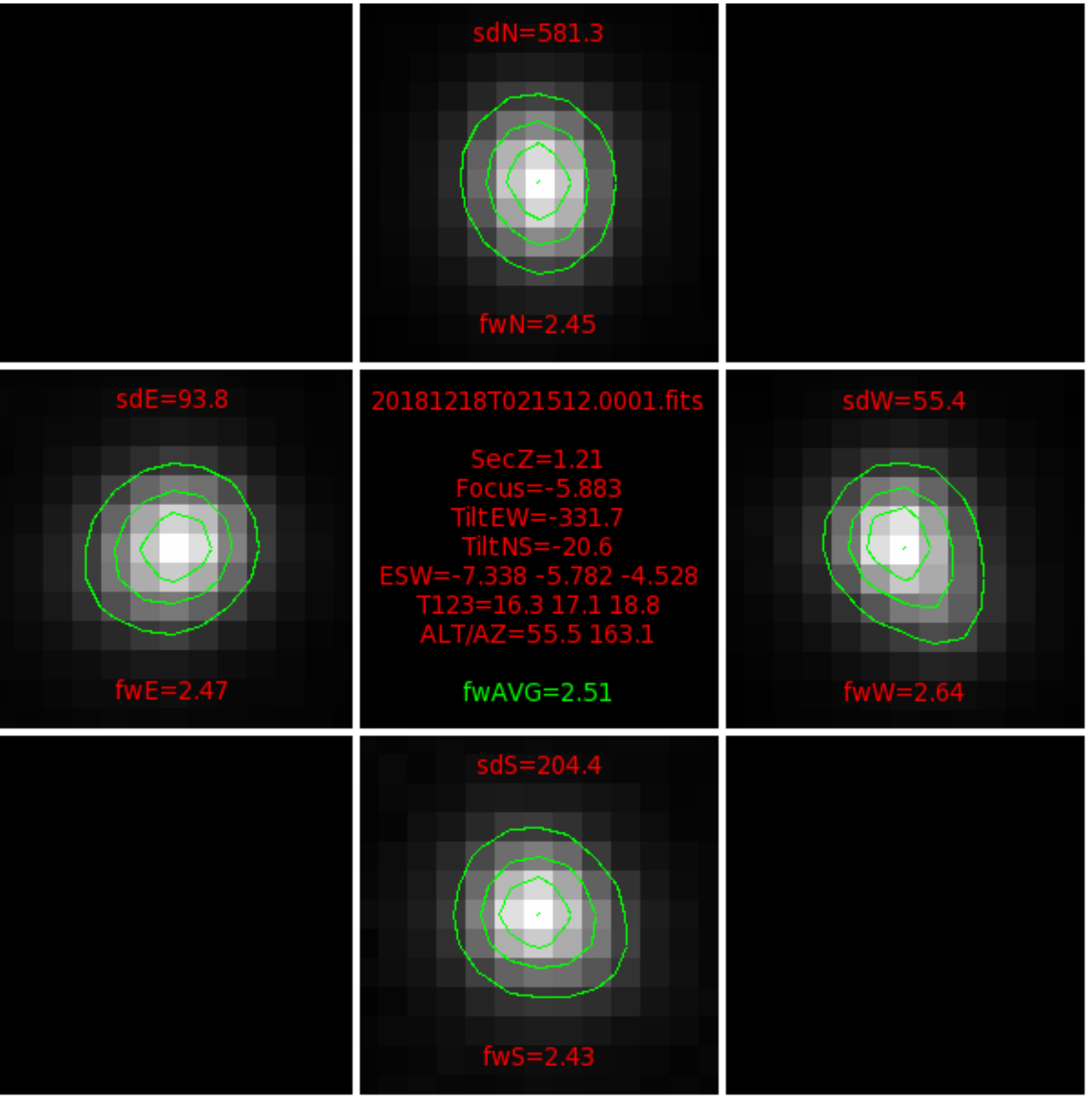
sdN=581.3
fwN=2.45
sdE=93.8
fwE=2.47
20181218T021512.0001.fits
SecZ=1.21
Focus=-5.883
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.338 -5.782 -4.528
T123=16.3 17.1 18.8
ALT/AZ=55.5 163.1
fwAVG=2.51
sdW=55.4
fwW=2.64
sdS=204.4
fwS=2.43
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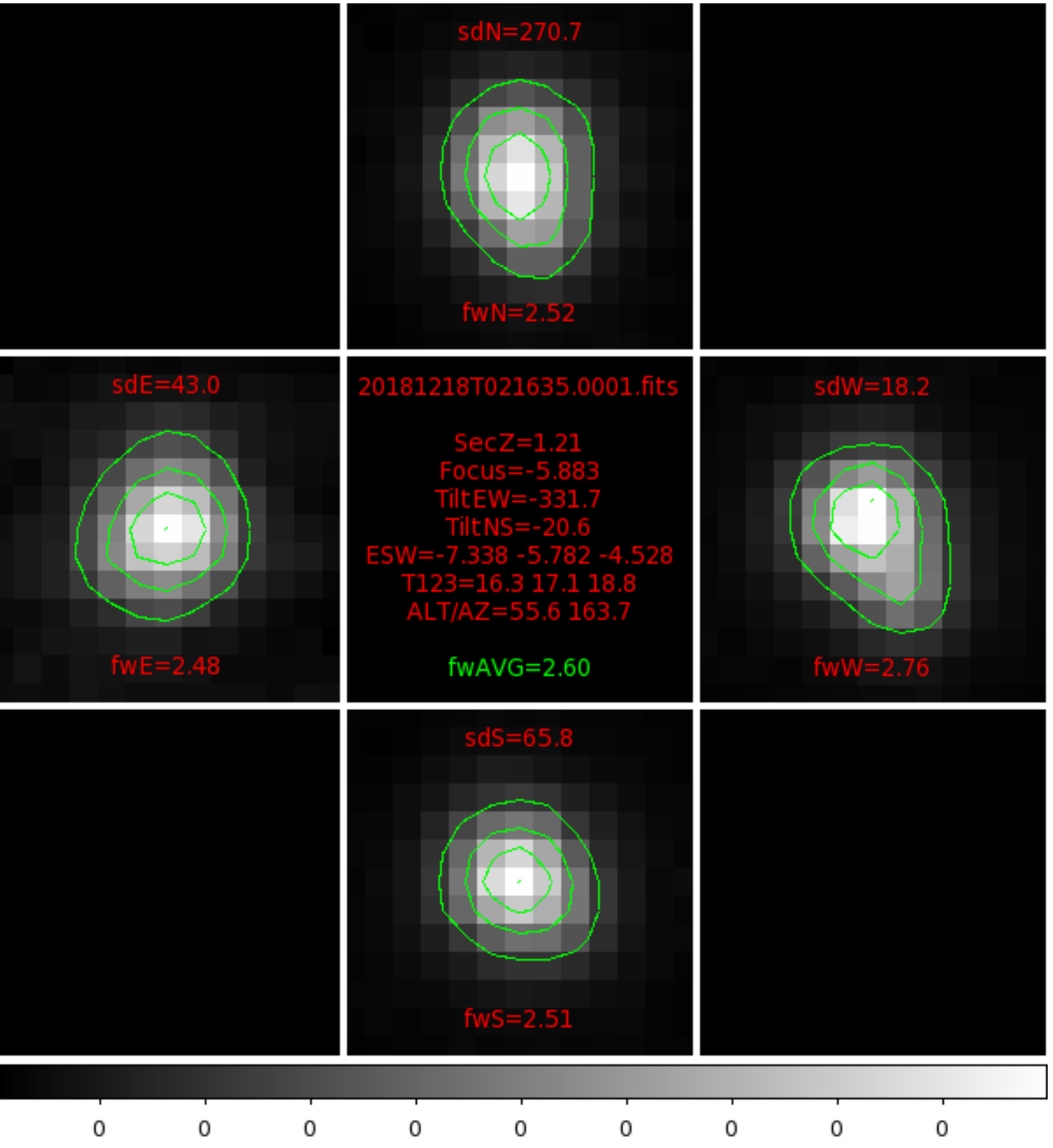
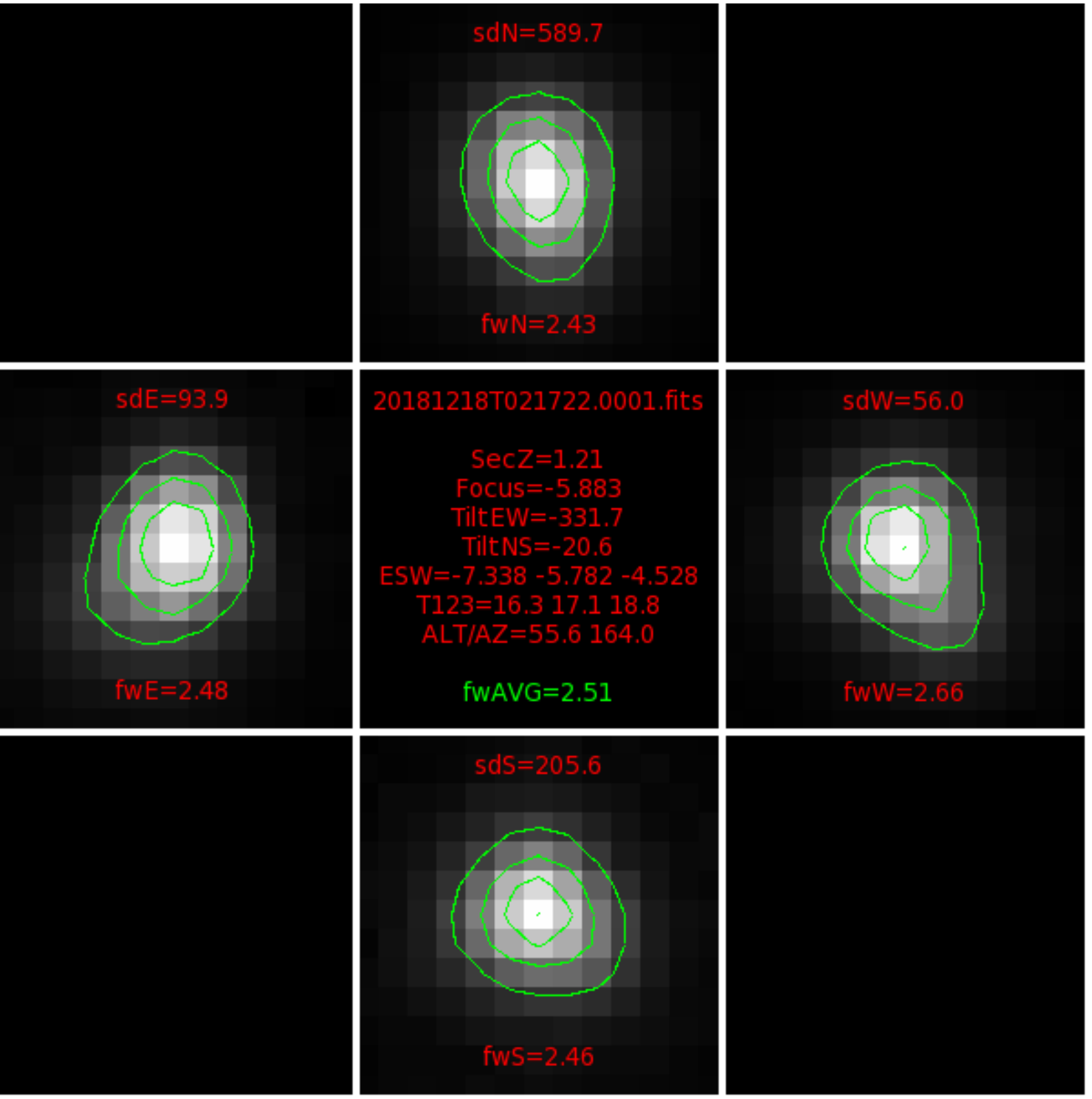

sdN=270.7
fwN=2.52
sdE=43.0
fwE=2.48
20181218T021635.0001.fits
SecZ=1.21
Focus=-5.883
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.338 -5.782 -4.528
T123=16.3 17.1 18.8
ALT/AZ=55.6 163.7
fwAVG=2.60
sdW=18.2
fwW=2.76
sdS=65.8
fwS=2.51
0 0 0 0 0 0 0 0 0


sdN=589.7
fwN=2.43
sdE=93.9
fwE=2.48
20181218T021722.0001.fits
SecZ=1.21
Focus=-5.883
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.338 -5.782 -4.528
T123=16.3 17.1 18.8
ALT/AZ=55.6 164.0
fwAVG=2.51
sdW=56.0
fwW=2.66
sdS=205.6
fwS=2.46
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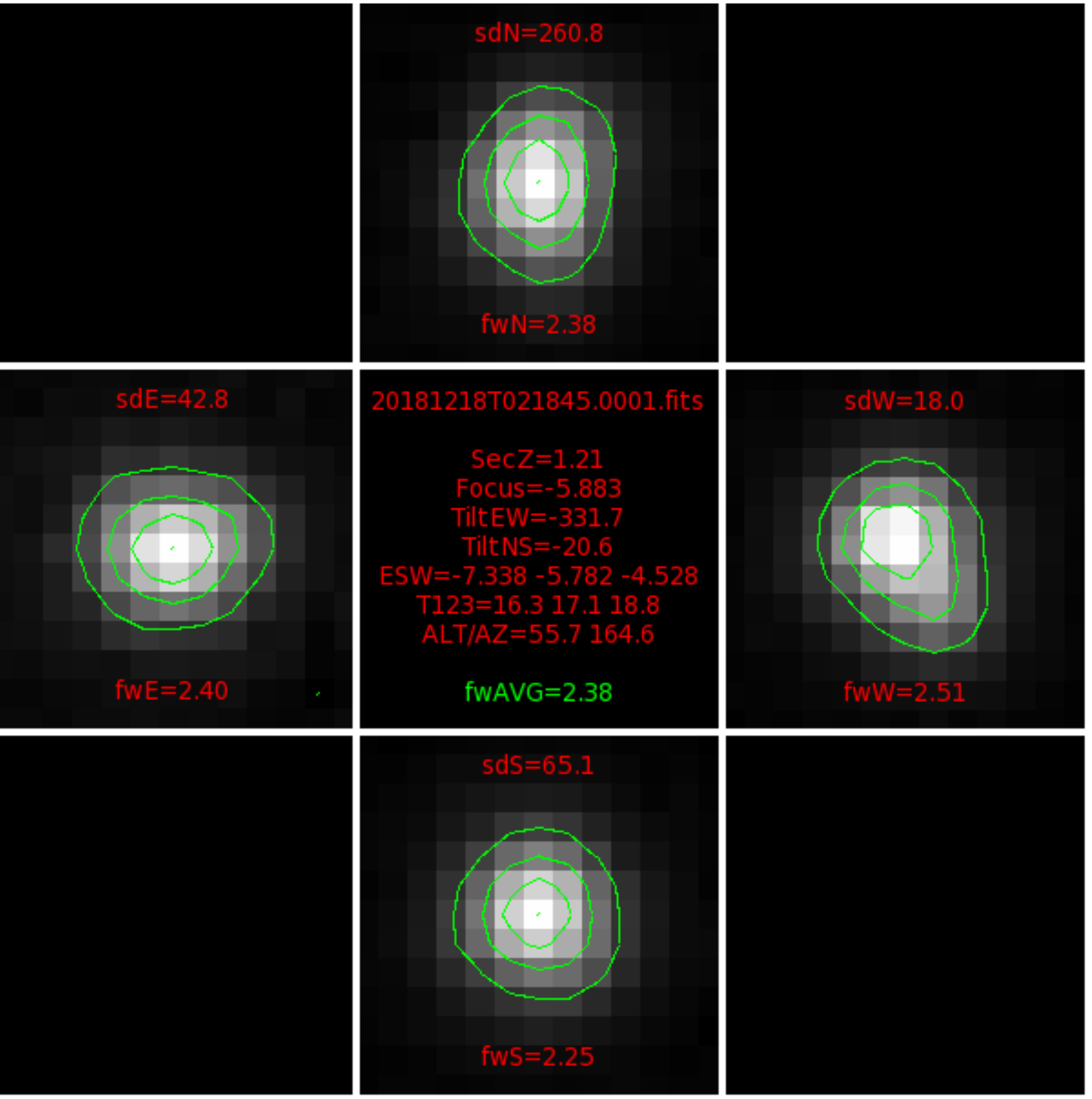
sdN=260.8
fwN=2.38
sdE=42.8
fwE=2.40
20181218T021845.0001.fits
SecZ=1.21
Focus=-5.883
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.338 -5.782 -4.528
T123=16.3 17.1 18.8
ALT/AZ=55.7 164.6
fwAVG=2.38
sdW=18.0
fwW=2.51
sdS=65.1
fwS=2.25
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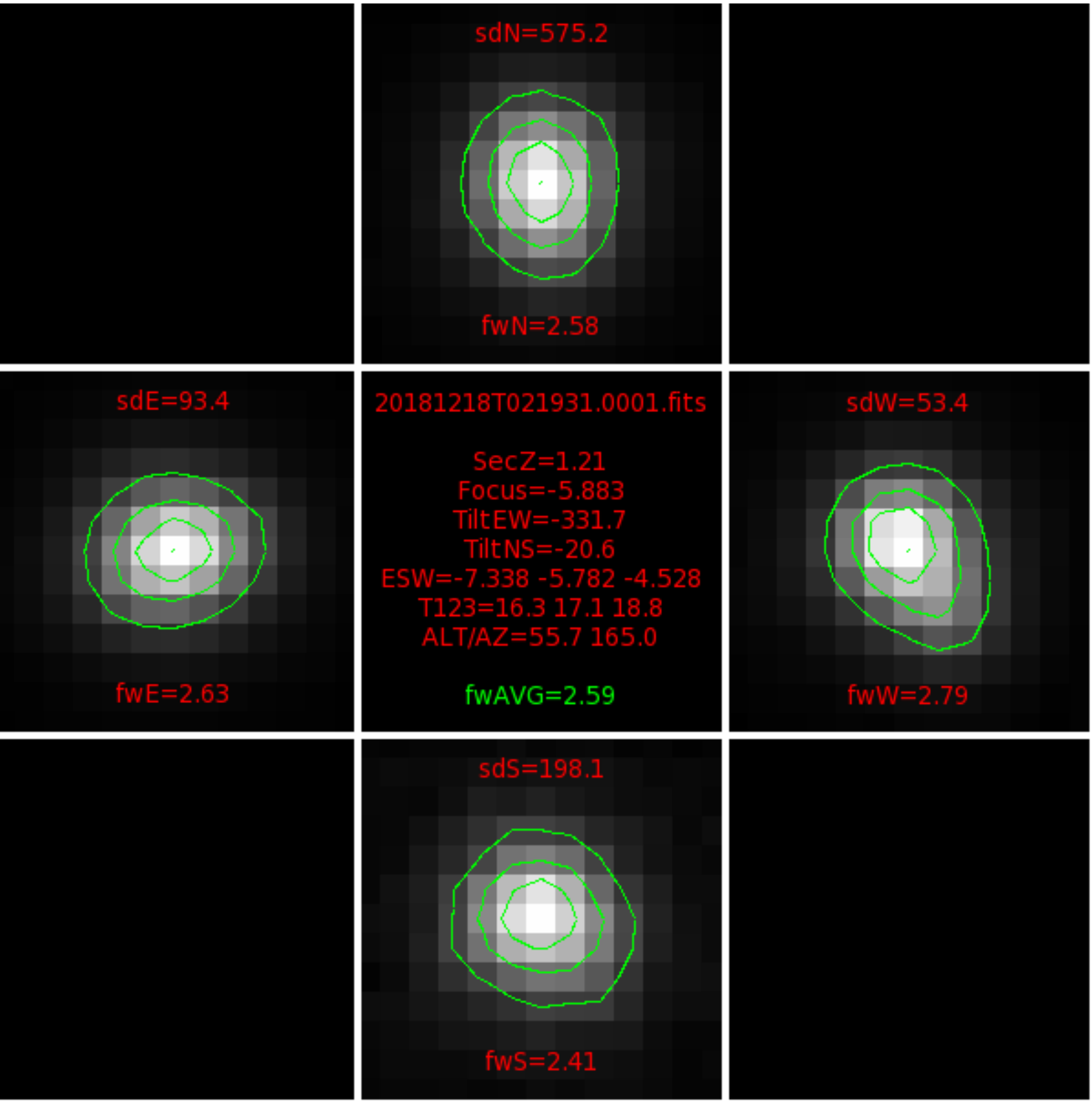
sdN=575.2
fwN=2.58
sdE=93.4
fwE=2.63
20181218T021931.0001.fits
SecZ=1.21
Focus=-5.883
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.338 -5.782 -4.528
T123=16.3 17.1 18.8
ALT/AZ=55.7 165.0
fwAVG=2.59
sdW=53.4
fwW=2.79
sdS=198.1
fwS=2.41
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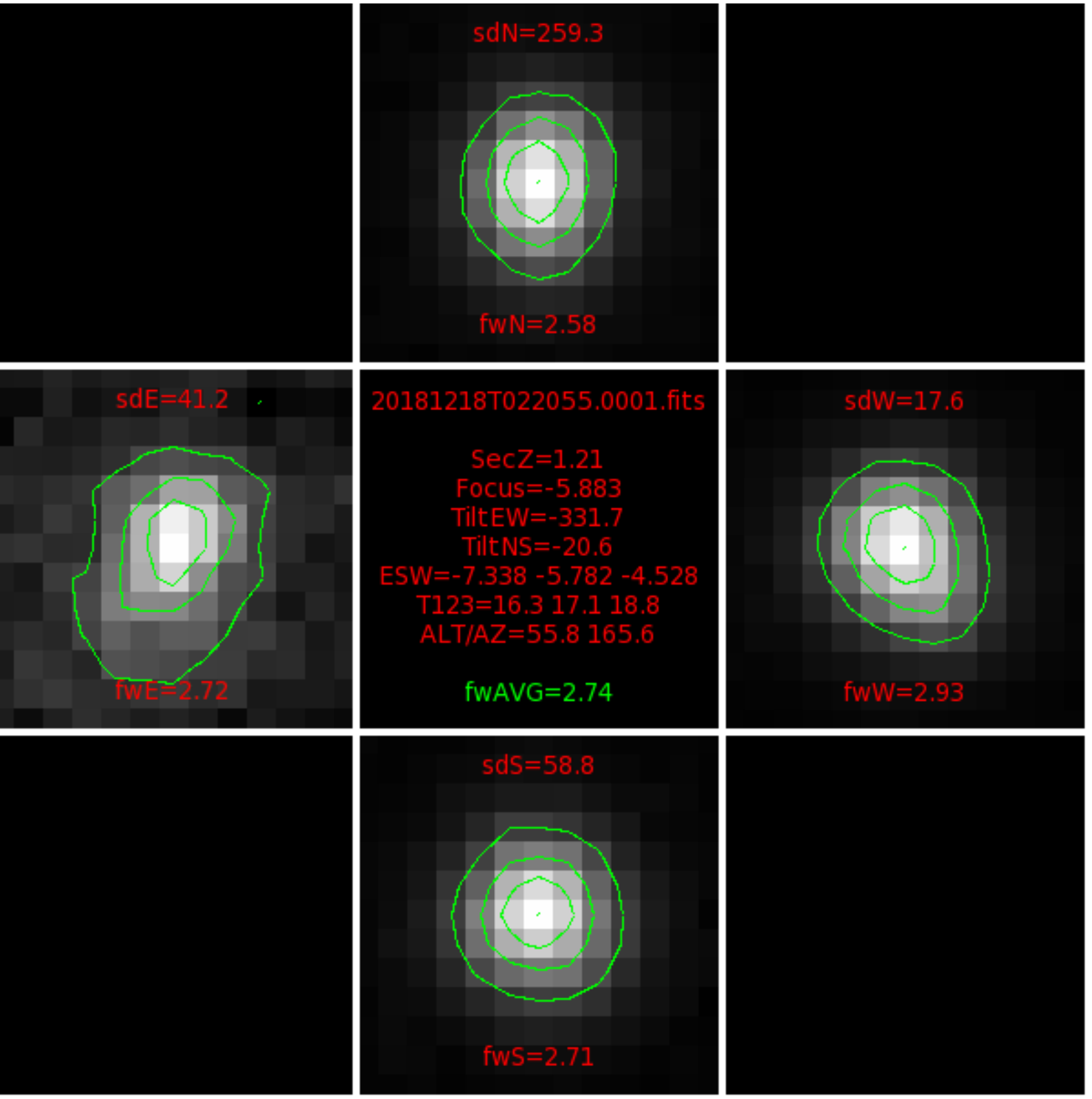
sdN=259.3
fwN=2.58
sdE=41.2
fwE=2.72
20181218T022055.0001.fits
SecZ=1.21
Focus=-5.883
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.338 -5.782 -4.528
T123=16.3 17.1 18.8
ALT/AZ=55.8 165.6
fwAVG=2.74
sdW=17.6
fwW=2.93
sdS=58.8
fwS=2.71
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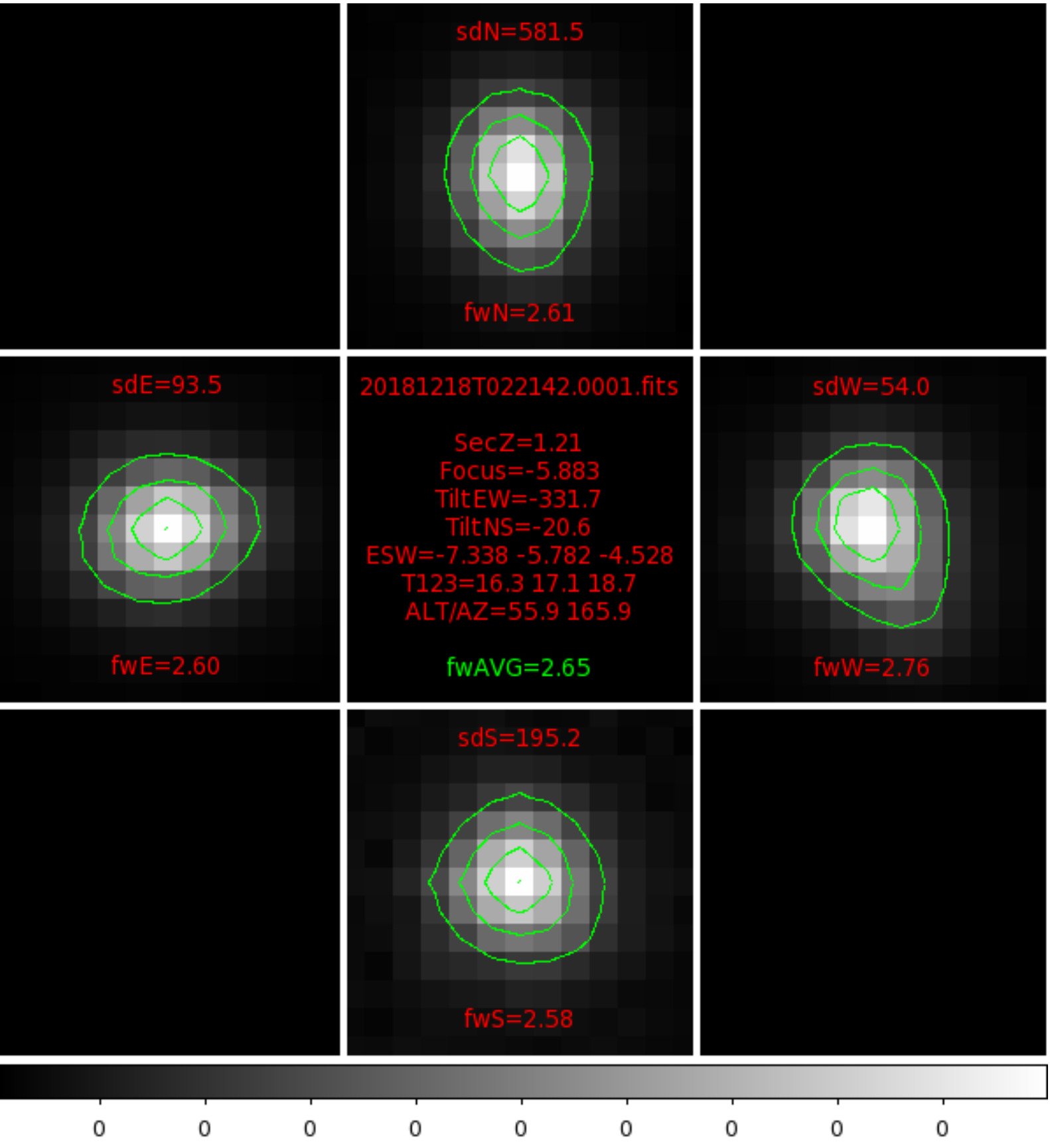
sdN=581.5
fwN=2.61
sdE=93.5
fwE=2.60
20181218T022142.0001.fits
SecZ=1.21
Focus=-5.883
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.338 -5.782 -4.528
T123=16.3 17.1 18.7
ALT/AZ=55.9 165.9
fwAVG=2.65
sdW=54.0
fwW=2.76
sdS=195.2
fwS=2.58
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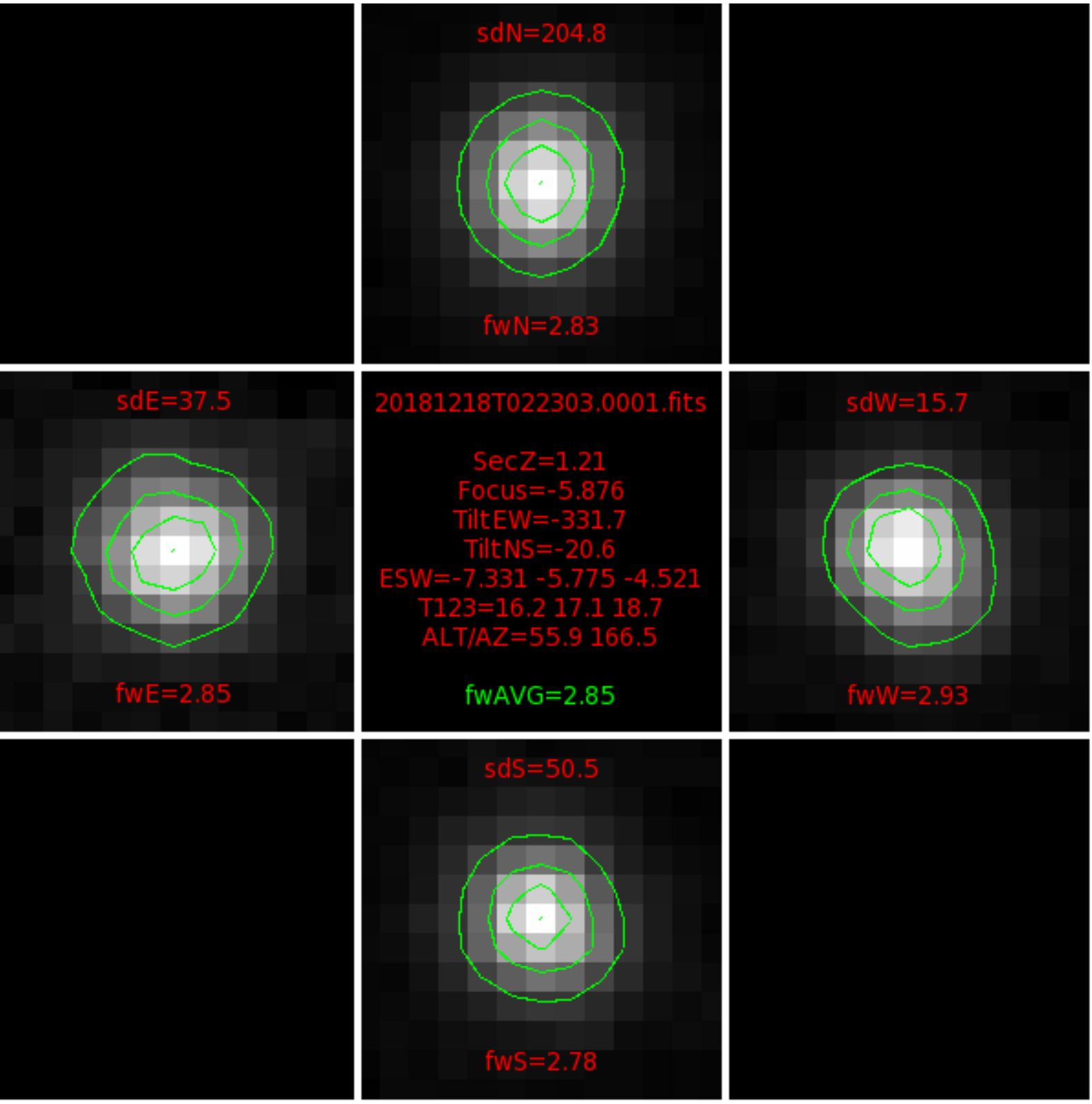
sdN=204.8
fwN=2.83
sdE=37.5
fwE=2.85
20181218T022303.0001.fits
SecZ=1.21
Focus=-5.876
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.331 -5.775 -4.521
T123=16.2 17.1 18.7
ALT/AZ=55.9 166.5
fwAVG=2.85
sdW=15.7
fwW=2.93
sdS=50.5
fwS=2.78
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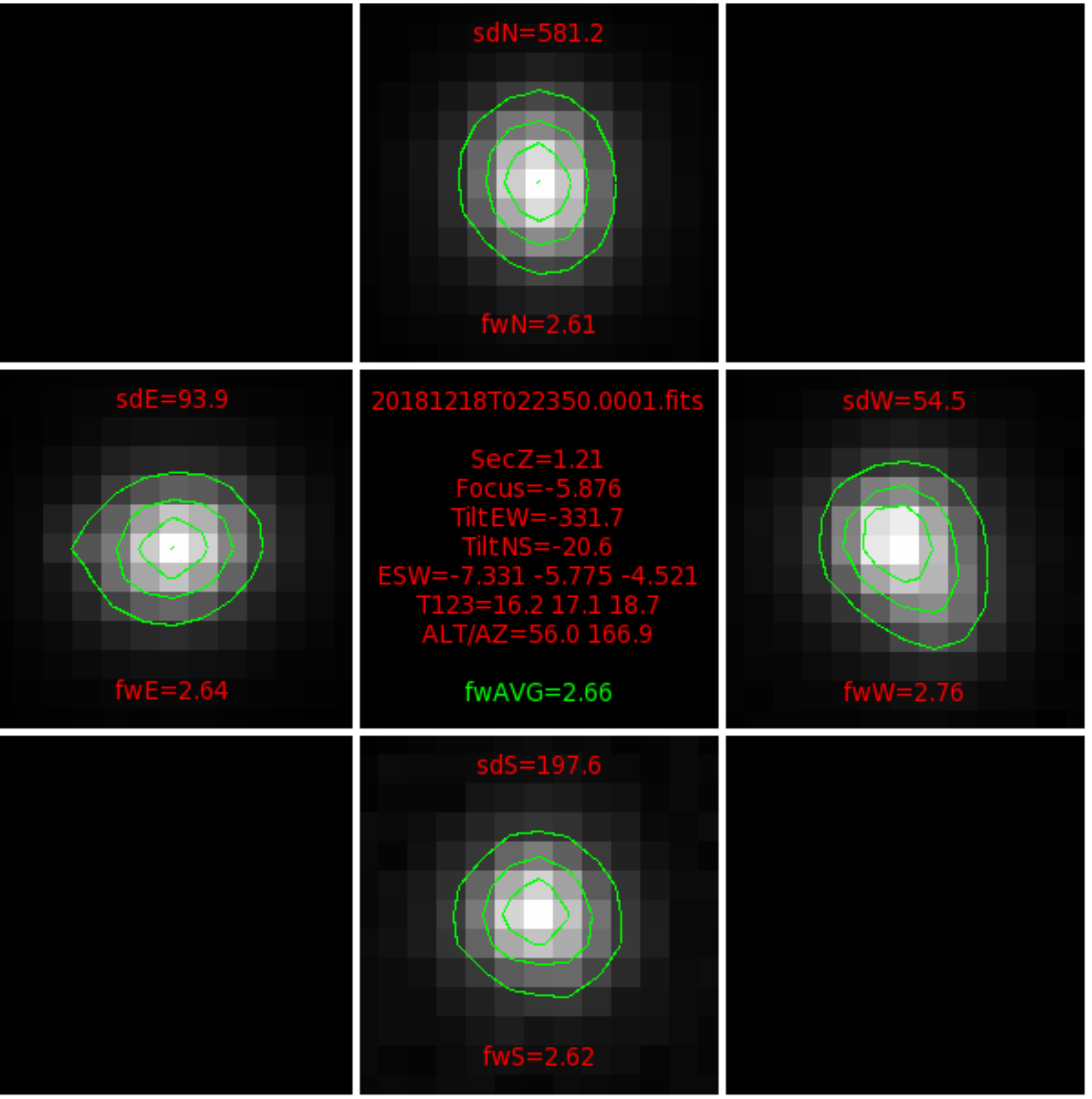
sdN=581.2
fwN=2.61
sdE=93.9
fwE=2.64
20181218T022350.0001.fits
SecZ=1.21
Focus=-5.876
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.331 -5.775 -4.521
T123=16.2 17.1 18.7
ALT/AZ=56.0 166.9
fwAVG=2.66
sdW=54.5
fwW=2.76
sdS=197.6
fwS=2.62
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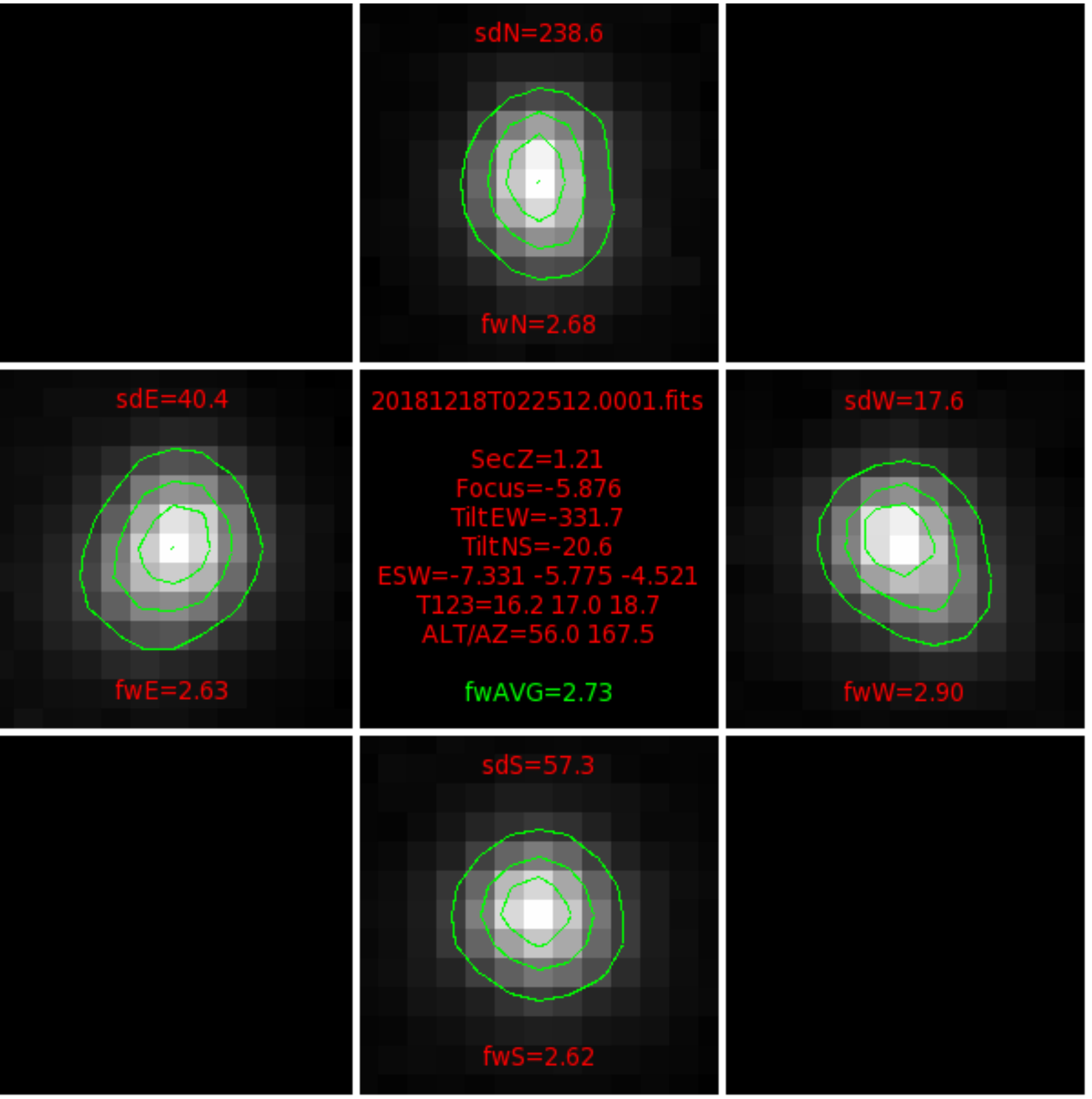
sdN=238.6
fwN=2.68
sdE=40.4
fwE=2.63
20181218T022512.0001.fits
SecZ=1.21
Focus=-5.876
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.331 -5.775 -4.521
T123=16.2 17.0 18.7
ALT/AZ=56.0 167.5
fwAVG=2.73
sdW=17.6
fwW=2.90
sdS=57.3
fwS=2.62
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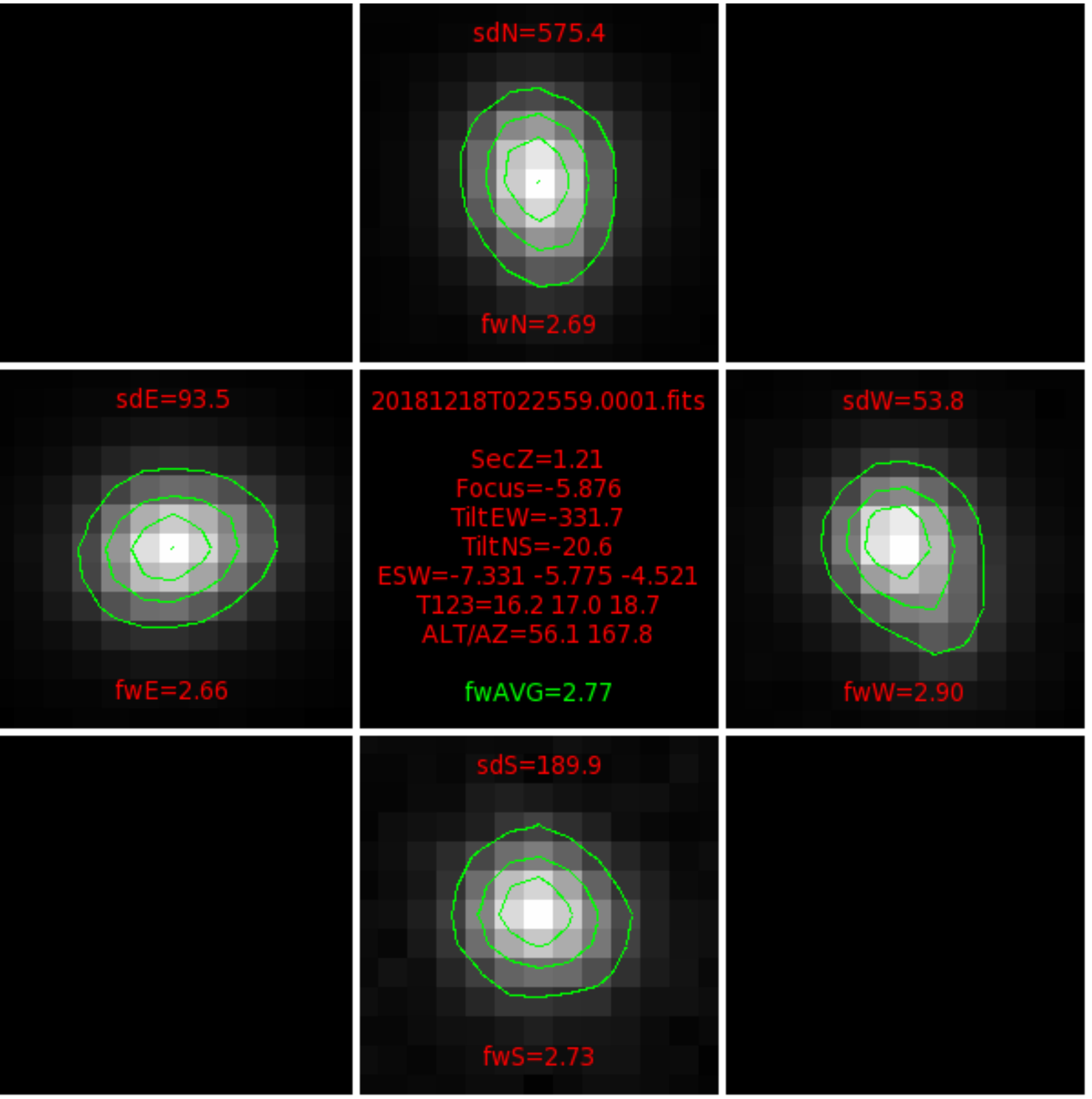
sdN=575.4
fwN=2.69
sdE=93.5
fwE=2.66
20181218T022559.0001.fits
SecZ=1.21
Focus=-5.876
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.331 -5.775 -4.521
T123=16.2 17.0 18.7
ALT/AZ=56.1 167.8
fwAVG=2.77
sdW=53.8
fwW=2.90
sdS=189.9
fwS=2.73
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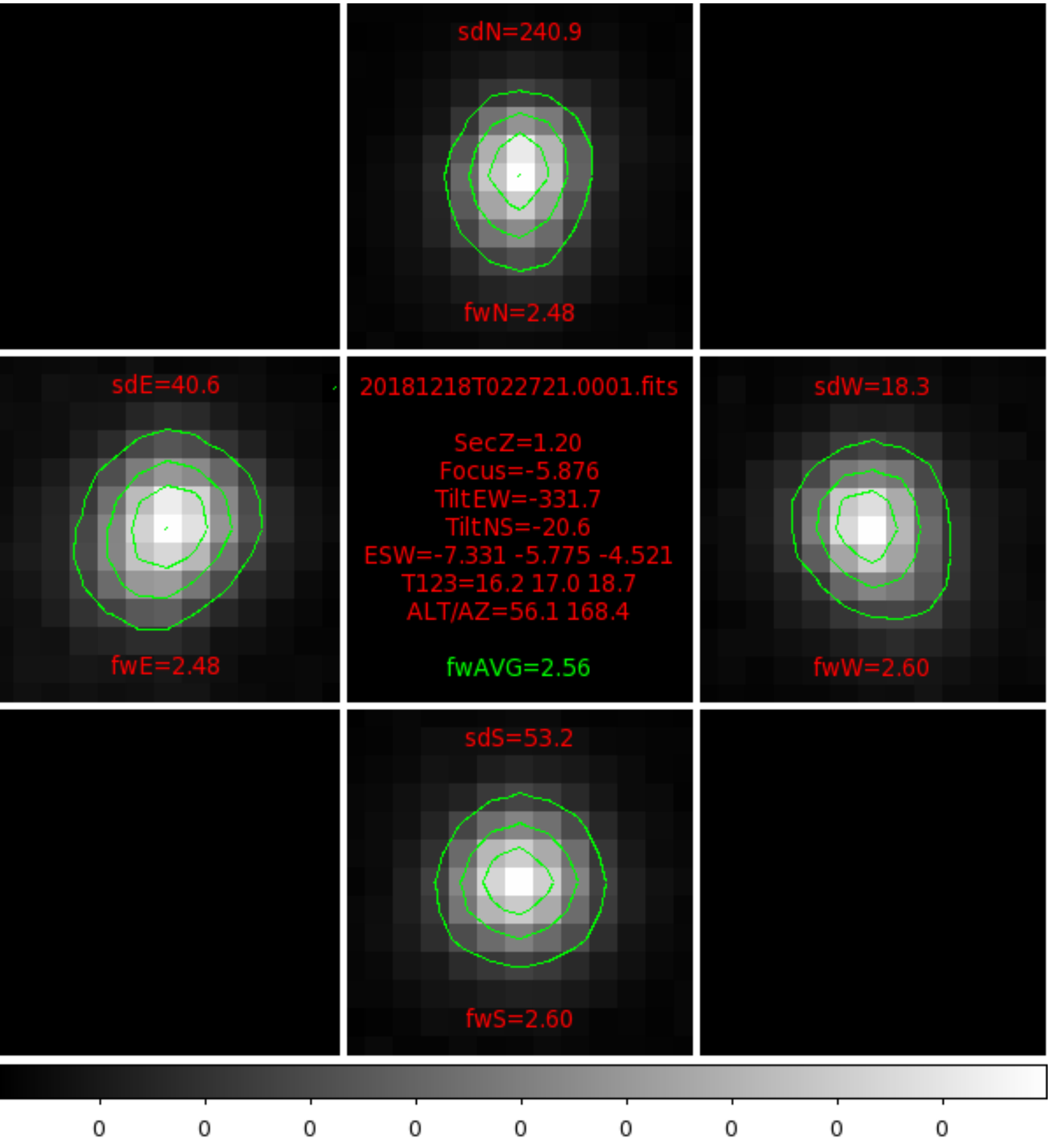
sdN=240.9
fwN=2.48
sdE=40.6
fwE=2.48
20181218T022721.0001.fits
SecZ=1.20
Focus=-5.876
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.331 -5.775 -4.521
T123=16.2 17.0 18.7
ALT/AZ=56.1 168.4
fwAVG=2.56
sdW=18.3
fwW=2.60
sdS=53.2
fwS=2.60
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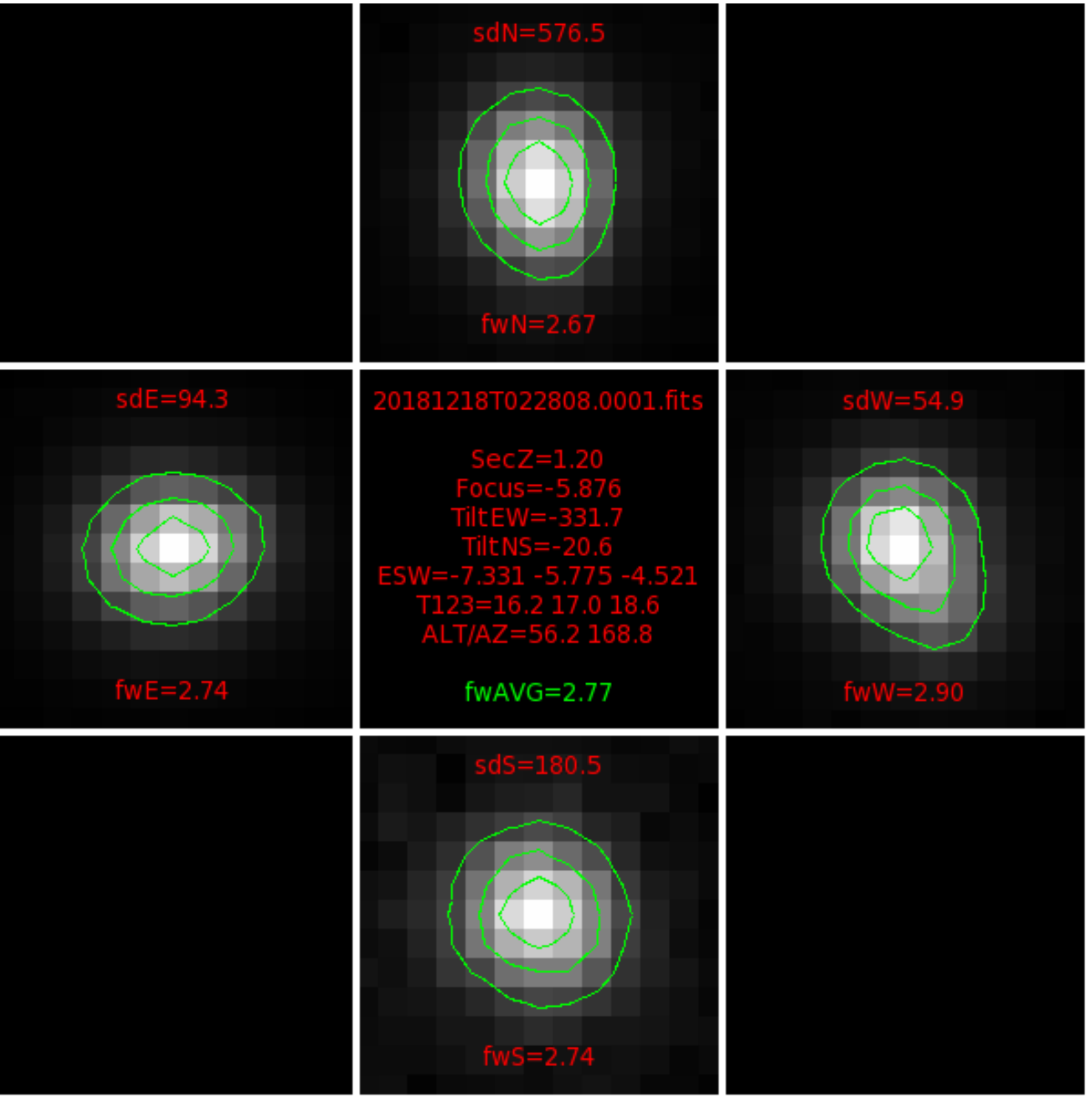
sdN=576.5
fwN=2.67
sdE=94.3
fwE=2.74
20181218T022808.0001.fits
SecZ=1.20
Focus=-5.876
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.331 -5.775 -4.521
T123=16.2 17.0 18.6
ALT/AZ=56.2 168.8
fwAVG=2.77
sdW=54.9
fwW=2.90
sdS=180.5
fwS=2.74
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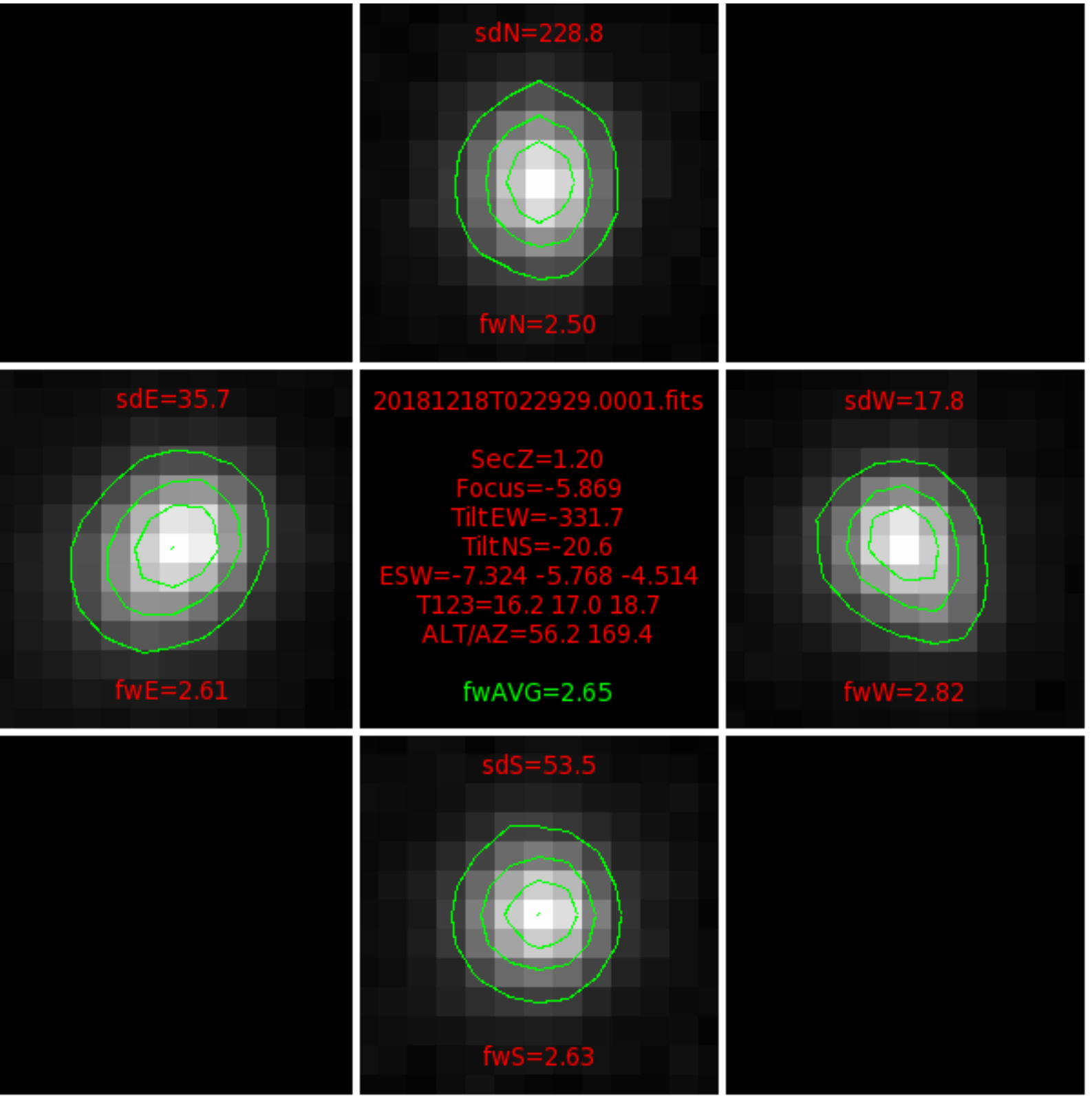
sdN=228.8
fwN=2.50
sdE=35.7
fwE=2.61
20181218T022929.0001.fits
SecZ=1.20
Focus=-5.869
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.324 -5.768 -4.514
T123=16.2 17.0 18.7
ALT/AZ=56.2 169.4
fwAVG=2.65
sdW=17.8
fwW=2.82
sdS=53.5
fwS=2.63
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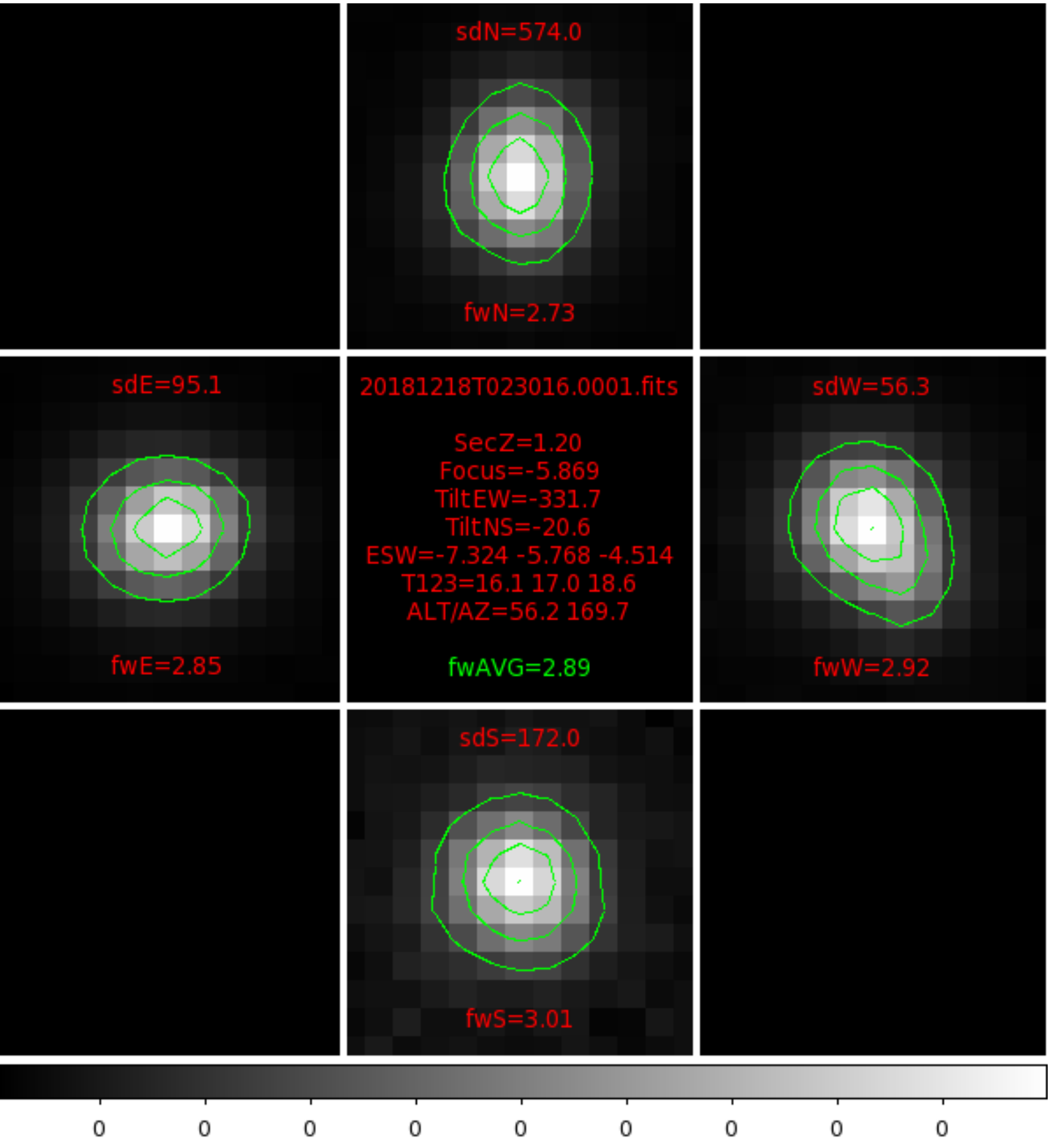
sdN=574.0
fwN=2.73
sdE=95.1
fwE=2.85
20181218T023016.0001.fits
SecZ=1.20
Focus=-5.869
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.324 -5.768 -4.514
T123=16.1 17.0 18.6
ALT/AZ=56.2 169.7
fwAVG=2.89
sdW=56.3
fwW=2.92
sdS=172.0
fwS=3.01
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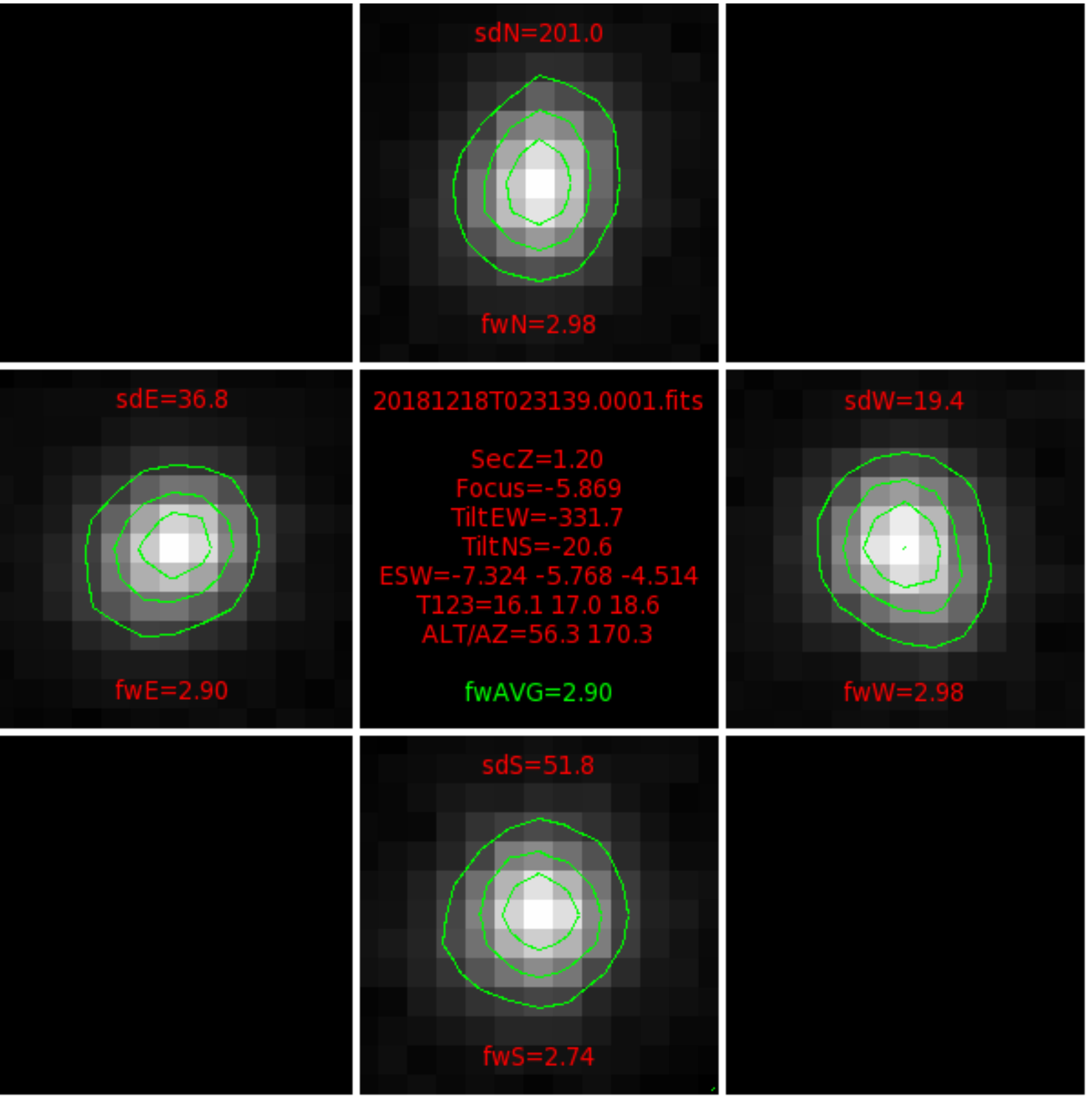
sdN=201.0
fwN=2.98
sdE=36.8
fwE=2.90
20181218T023139.0001.fits
SecZ=1.20
Focus=-5.869
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.324 -5.768 -4.514
T123=16.1 17.0 18.6
ALT/AZ=56.3 170.3
fwAVG=2.90
sdW=19.4
fwW=2.98
sdS=51.8
fwS=2.74
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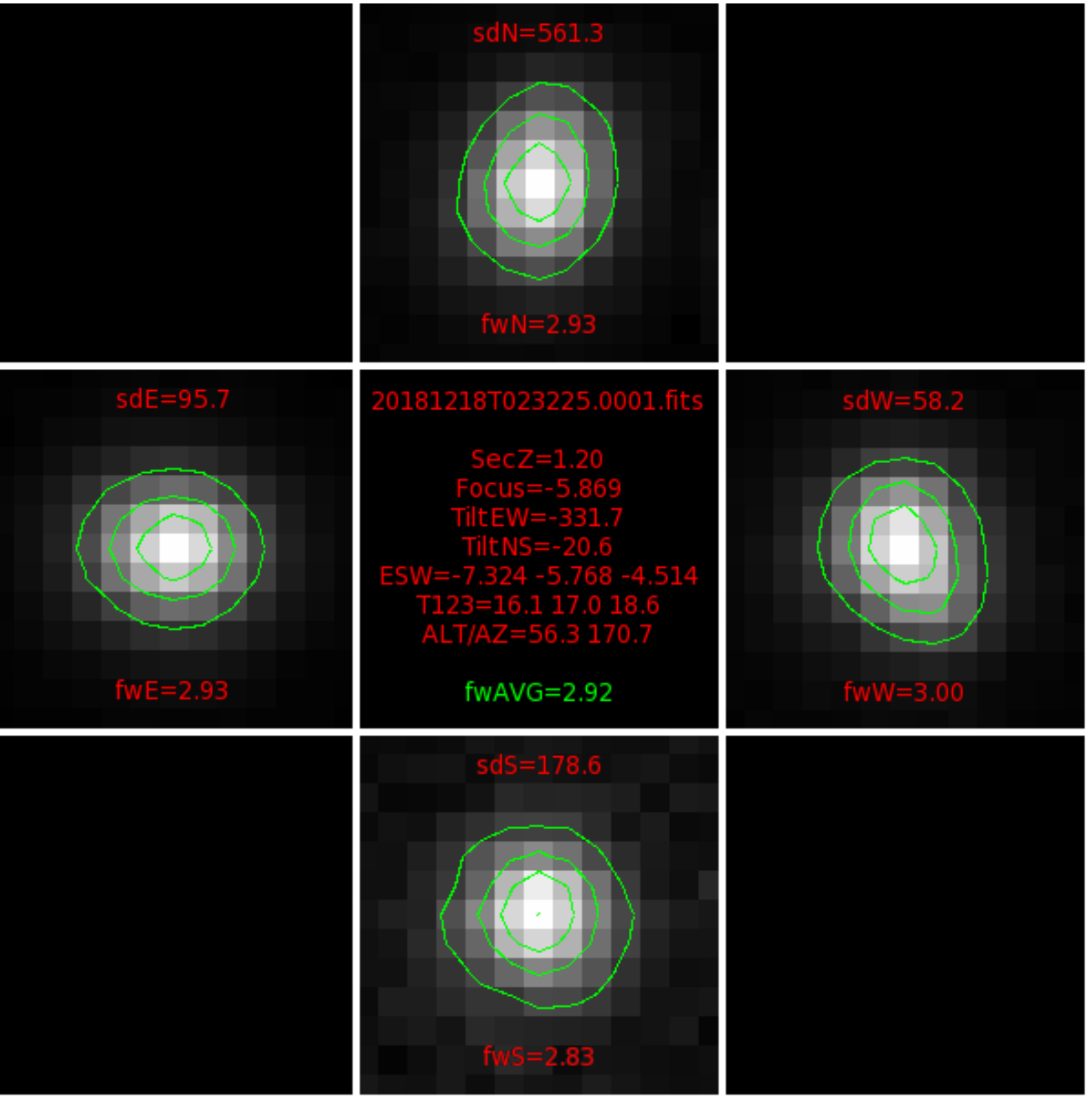
sdN=561.3
fwN=2.93
sdE=95.7
fwE=2.93
20181218T023225.0001.fits
SecZ=1.20
Focus=-5.869
TiltEW=-331.7
TiltNS=-20.6
ESW=-7.324 -5.768 -4.514
T123=16.1 17.0 18.6
ALT/AZ=56.3 170.7
fwAVG=2.92
sdW=58.2
fwW=3.00
sdS=178.6
fwS=2.83
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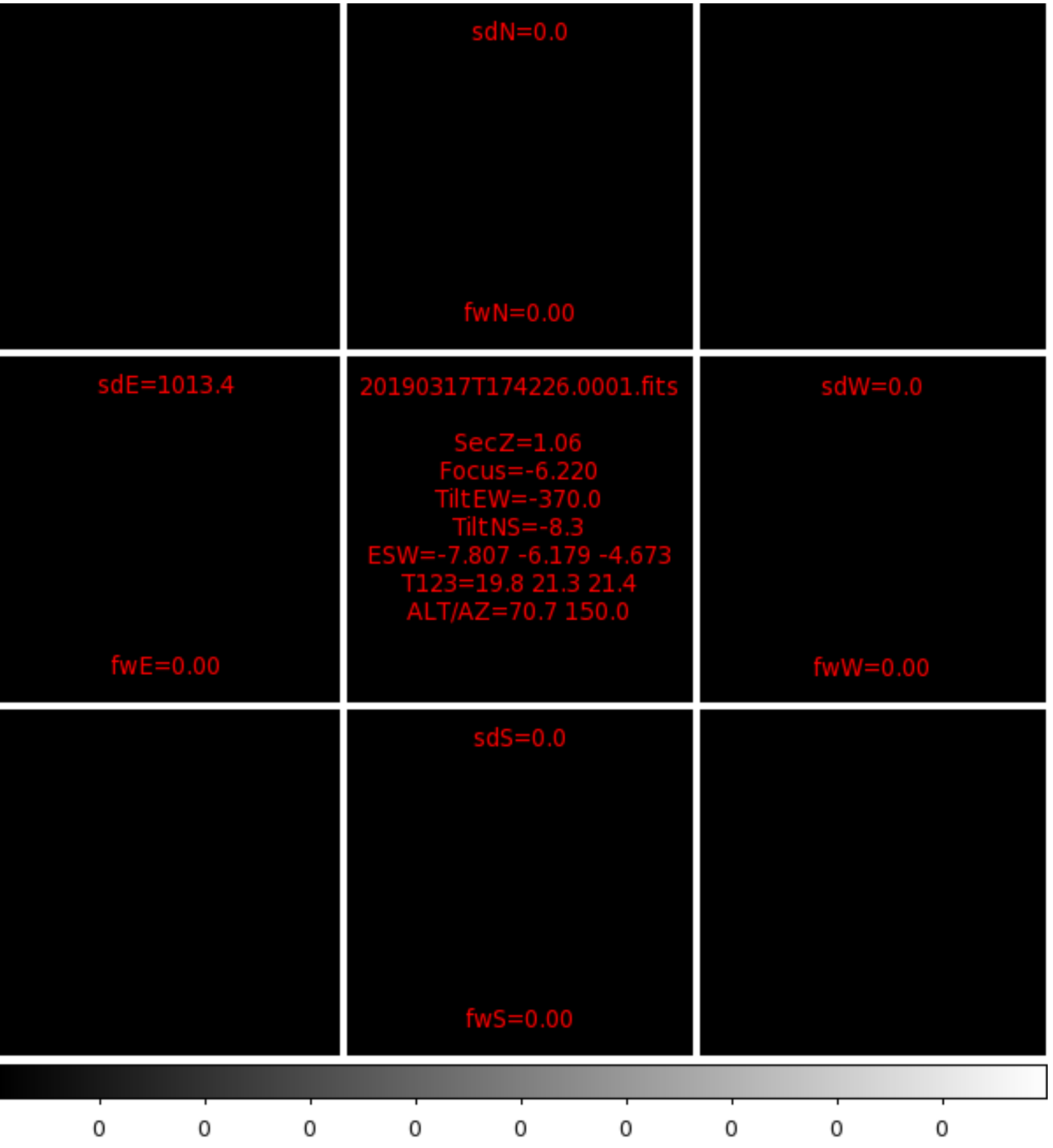
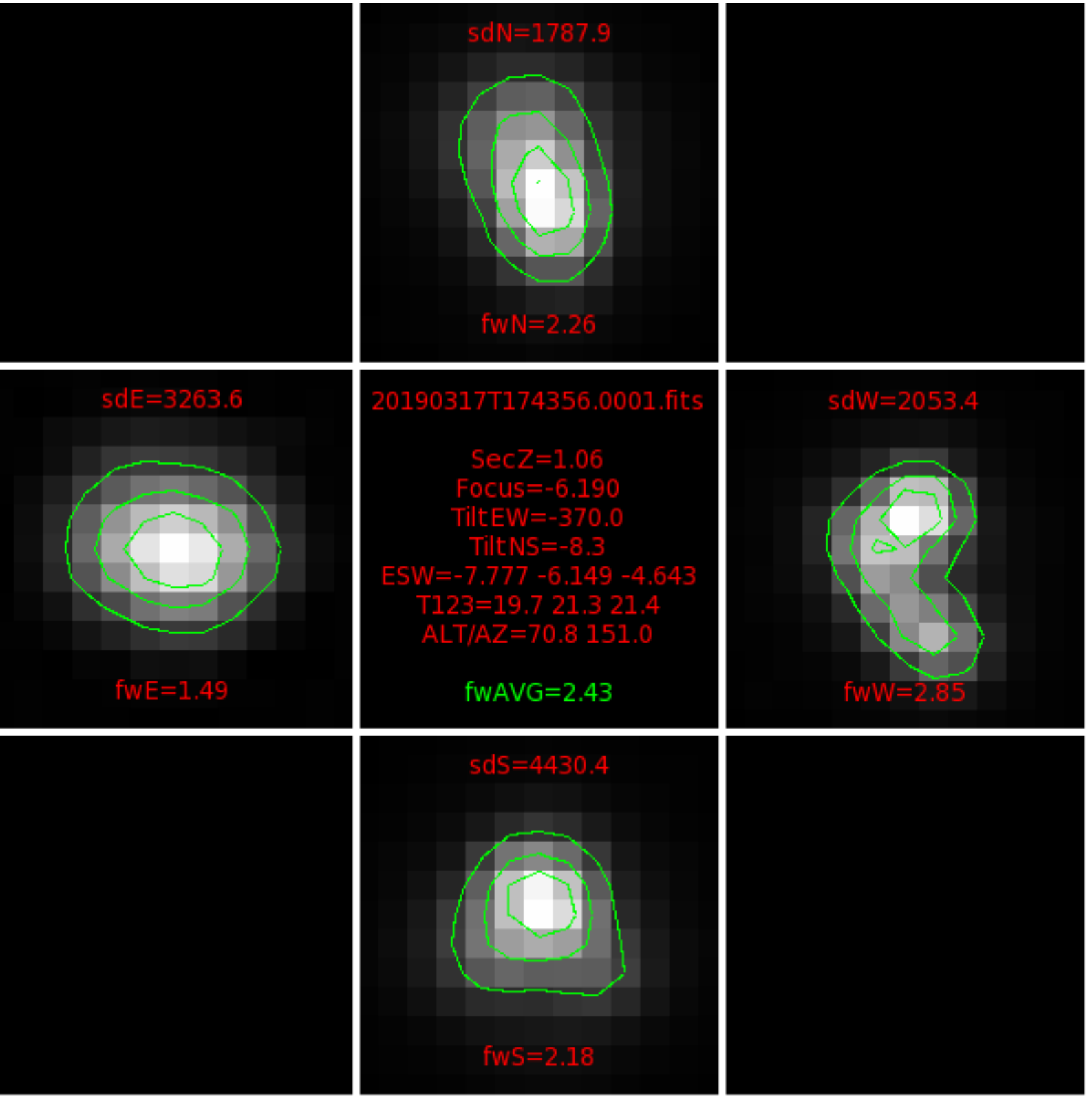

sdN=0.0
fwN=0.00
sdE=1013.4
fwE=0.00
20190317T174226.0001.fits
SecZ=1.06
Focus=-6.220
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.807 -6.179 -4.673
T123=19.8 21.3 21.4
ALT/AZ=70.7 150.0
sdW=0.0
fwW=0.00
sdS=0.0
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=1787.9
fwN=2.26
sdE=3263.6
fwE=1.49
20190317T174356.0001.fits
SecZ=1.06
Focus=-6.190
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.777 -6.149 -4.643
T123=19.7 21.3 21.4
ALT/AZ=70.8 151.0
fwAVG=2.43
sdW=2053.4
fwW=2.85
sdS=4430.4
fwS=2.18
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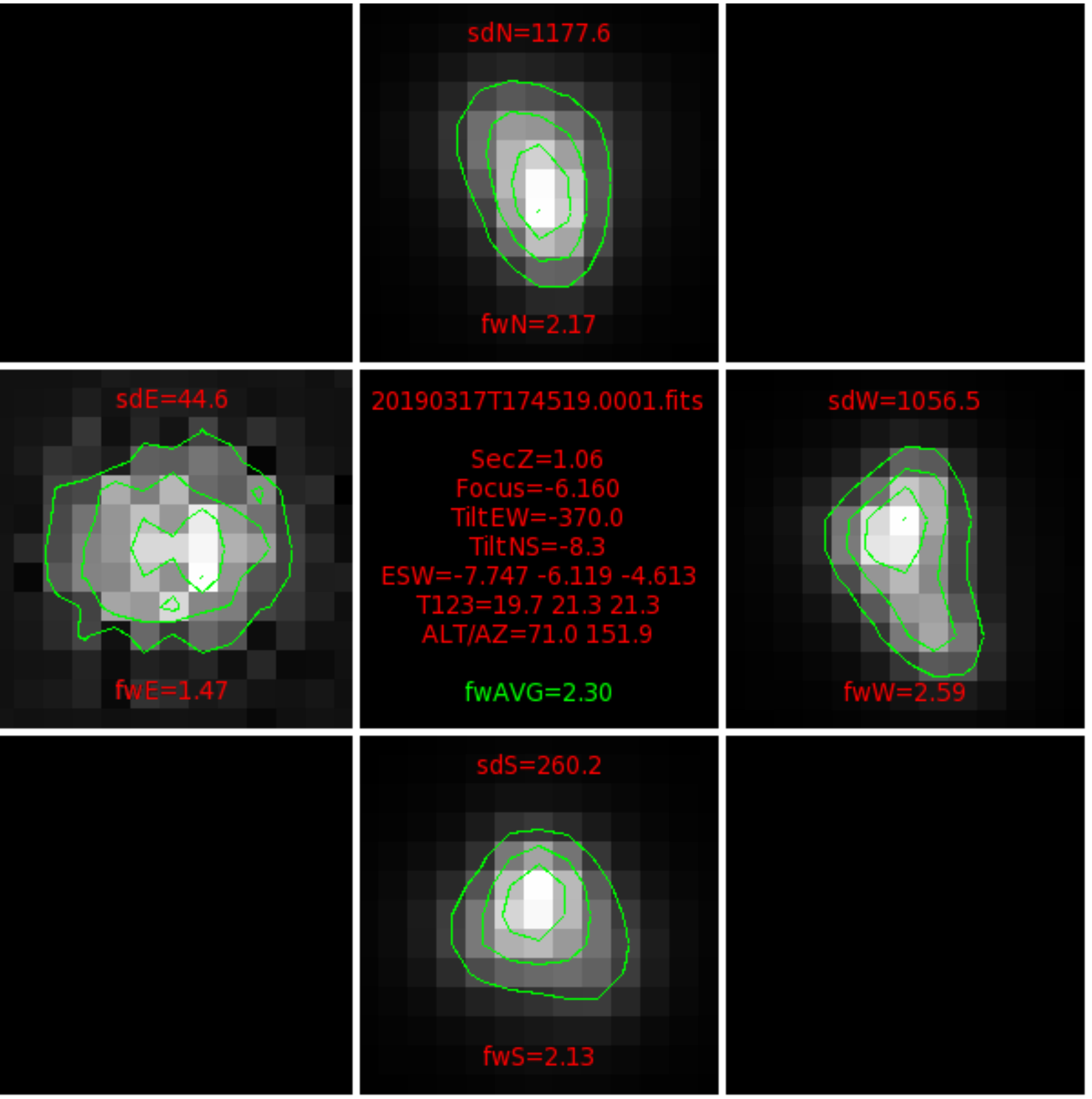
sdN=1177.6
fwN=2.17
sdE=44.6
fwE=1.47
20190317T174519.0001.fits
SecZ=1.06
Focus=-6.160
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.747 -6.119 -4.613
T123=19.7 21.3 21.3
ALT/AZ=71.0 151.9
fwAVG=2.30
sdW=1056.5
fwW=2.59
sdS=260.2
fwS=2.13
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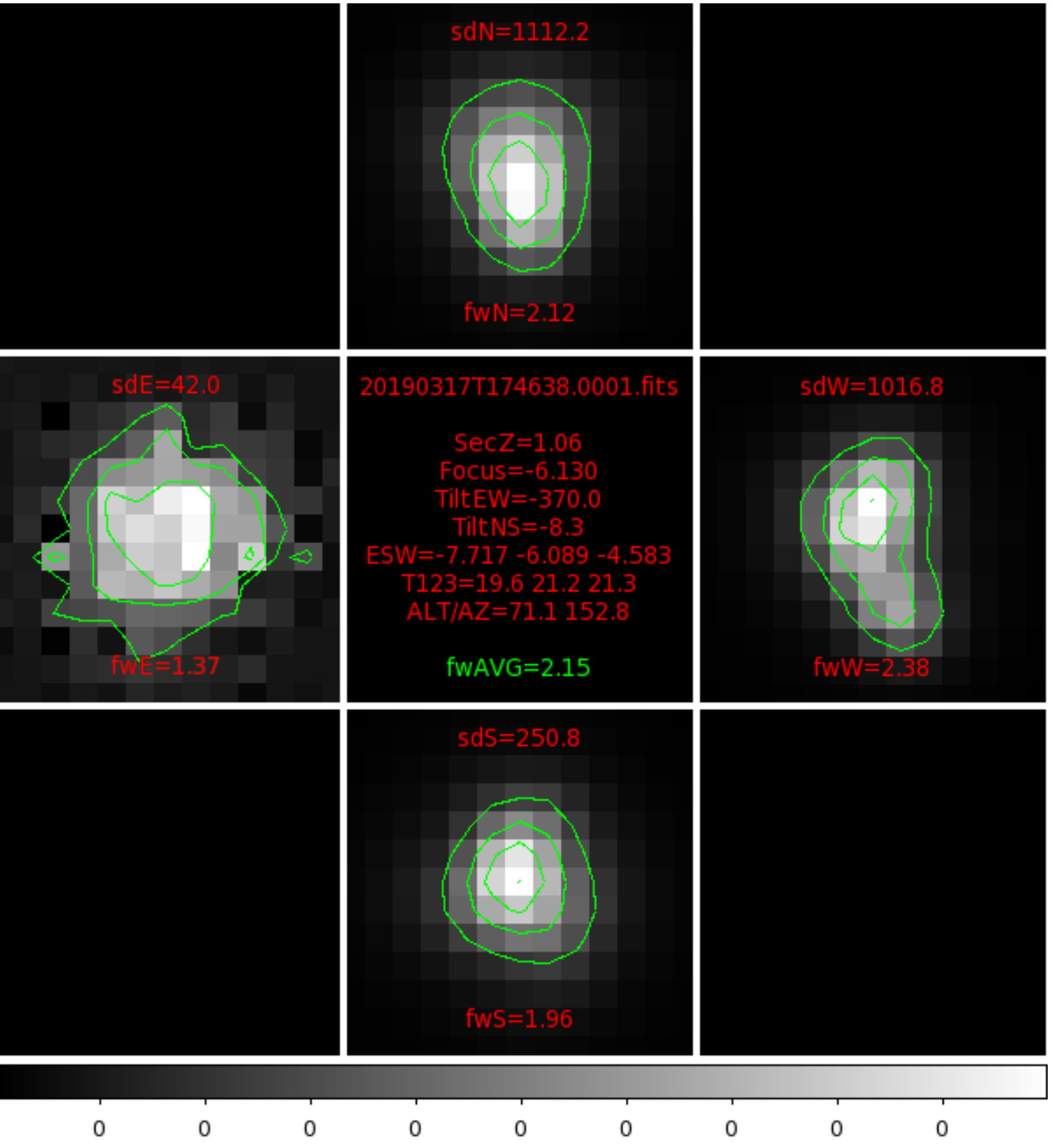
sdN=1112.2
fwN=2.12
sdE=42.0
fwE=1.37
20190317T174638.0001.fits
SecZ=1.06
Focus=-6.130
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.717 -6.089 -4.583
T123=19.6 21.2 21.3
ALT/AZ=71.1 152.8
fwAVG=2.15
sdW=1016.8
fwW=2.38
sdS=250.8
fwS=1.96
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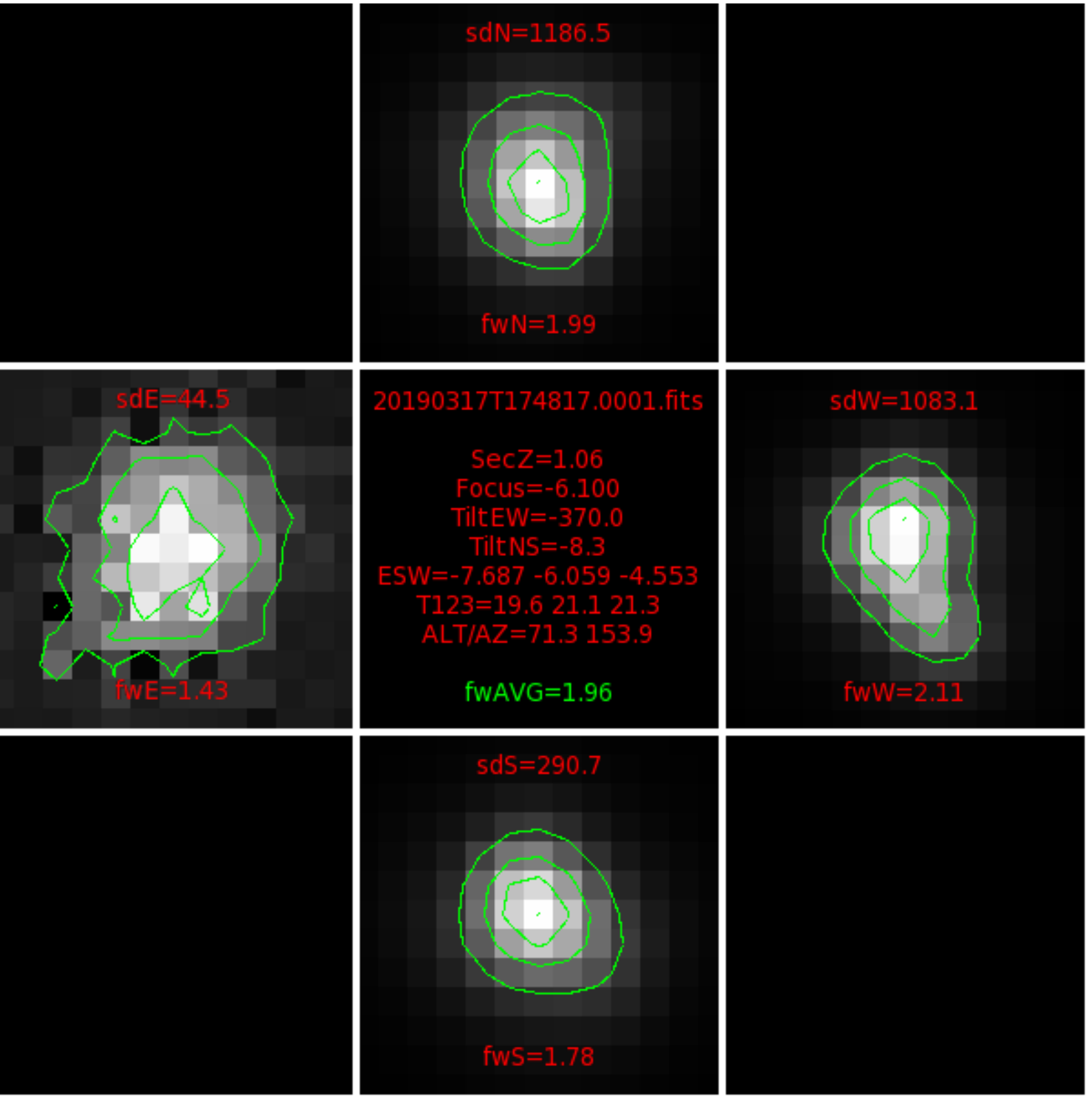
sdN=1186.5
fwN=1.99
sdE=44.5
fwE=1.43
20190317T174817.0001.fits
SecZ=1.06
Focus=-6.100
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.687 -6.059 -4.553
T123=19.6 21.1 21.3
ALT/AZ=71.3 153.9
fwAVG=1.96
sdW=1083.1
fwW=2.11
sdS=290.7
fwS=1.78
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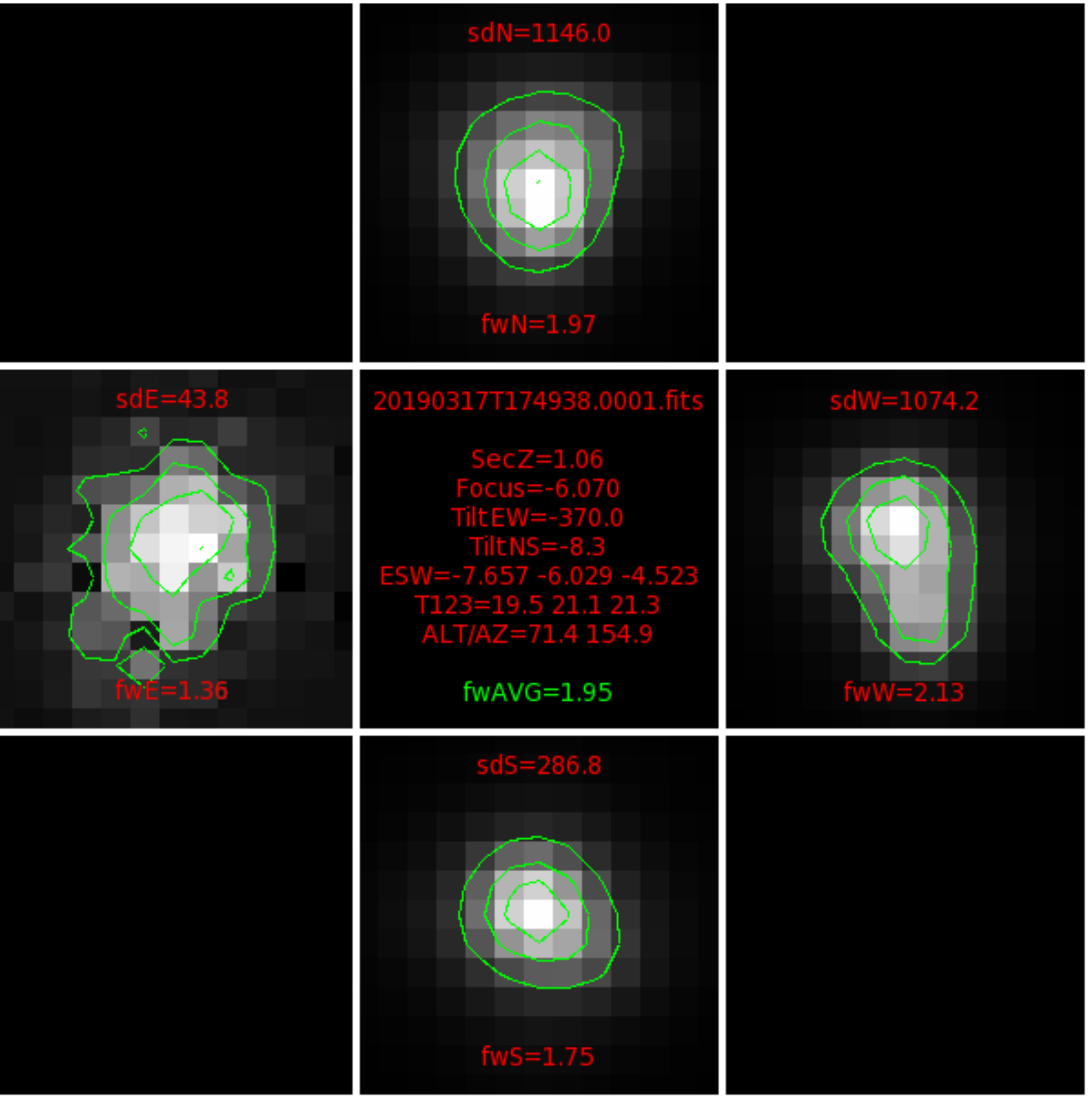
sdN=1146.0
fwN=1.97
sdE=43.8
fwE=1.36
20190317T174938.0001.fits
SecZ=1.06
Focus=-6.070
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.657 -6.029 -4.523
T123=19.5 21.1 21.3
ALT/AZ=71.4 154.9
fwAVG=1.95
sdW=1074.2
fwW=2.13
sdS=286.8
fwS=1.75
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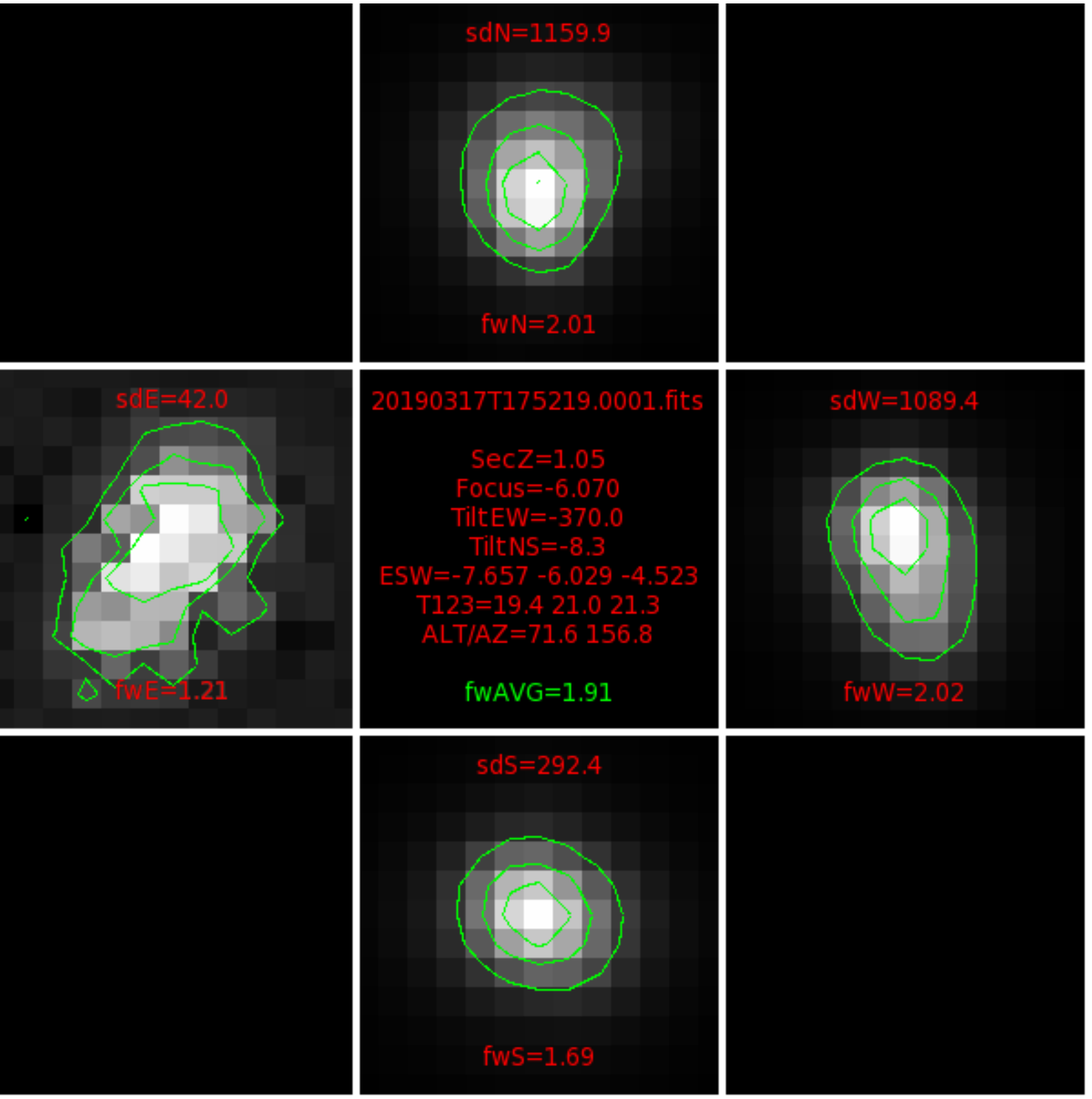
sdN=1159.9
fwN=2.01
sdE=42.0
fwE=1.21
20190317T175219.0001.fits
SecZ=1.05
Focus=-6.070
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.657 -6.029 -4.523
T123=19.4 21.0 21.3
ALT/AZ=71.6 156.8
fwAVG=1.91
sdW=1089.4
fwW=2.02
sdS=292.4
fwS=1.69
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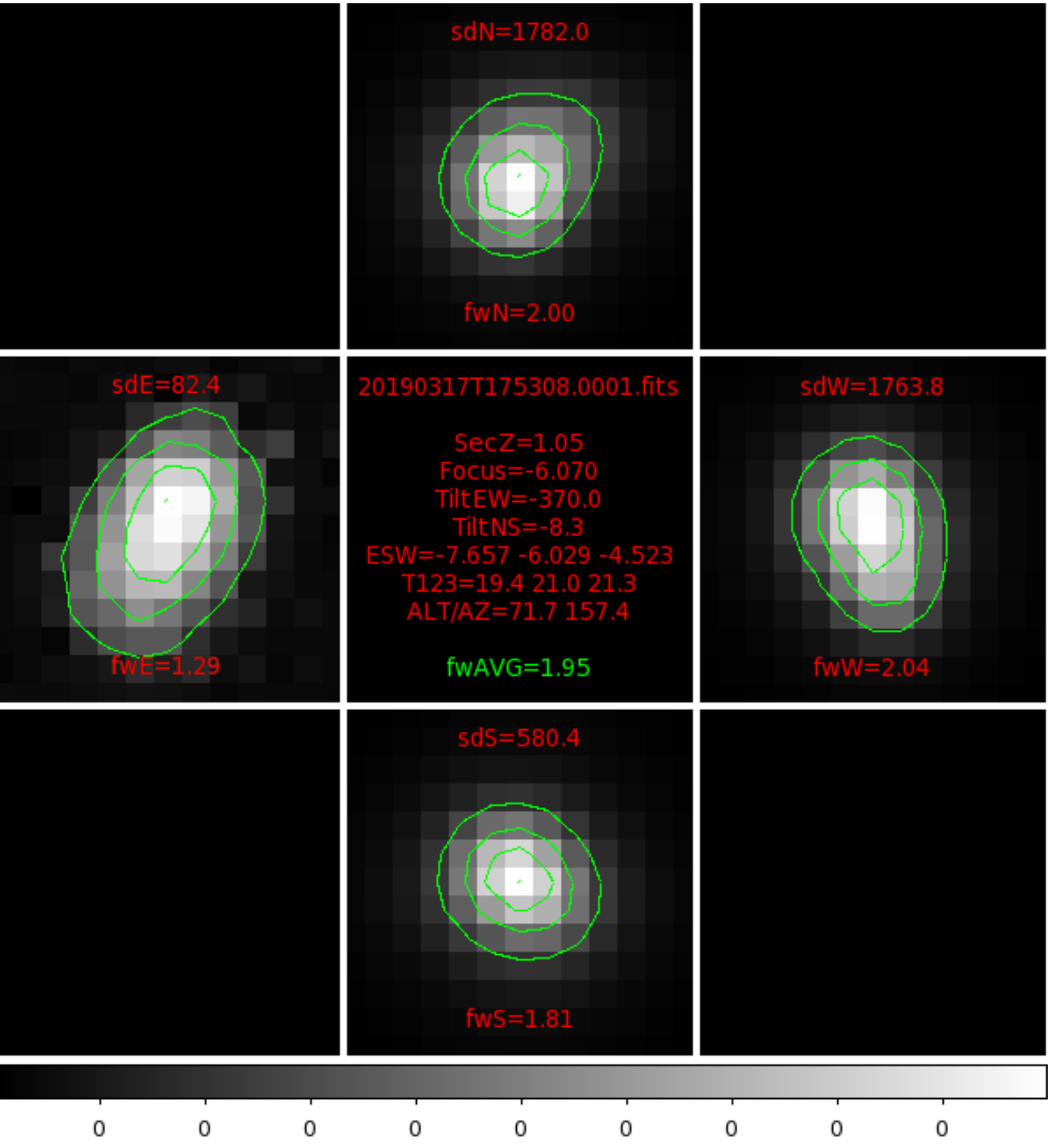
sdN=1782.0
fwN=2.00
sdE=82.4
fwE=1.29
20190317T175308.0001.fits
SecZ=1.05
Focus=-6.070
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.657 -6.029 -4.523
T123=19.4 21.0 21.3
ALT/AZ=71.7 157.4
fwAVG=1.95
sdW=1763.8
fwW=2.04
sdS=580.4
fwS=1.81
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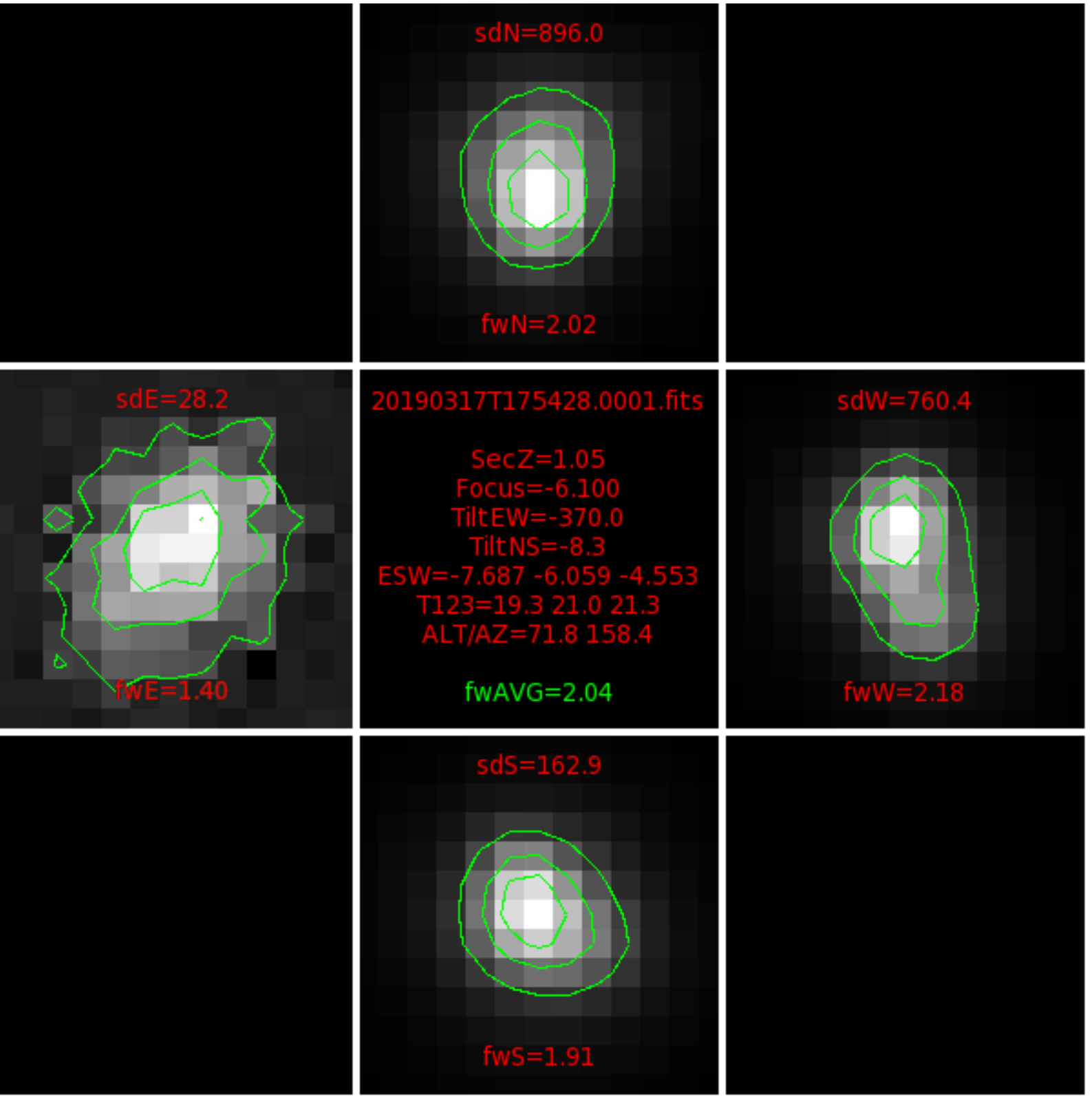
sdN=896.0
fwN=2.02
sdE=28.2
fwE=1.40
20190317T175428.0001.fits
SecZ=1.05
Focus=-6.100
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.687 -6.059 -4.553
T123=19.3 21.0 21.3
ALT/AZ=71.8 158.4
fwAVG=2.04
sdW=760.4
fwW=2.18
sdS=162.9
fwS=1.91
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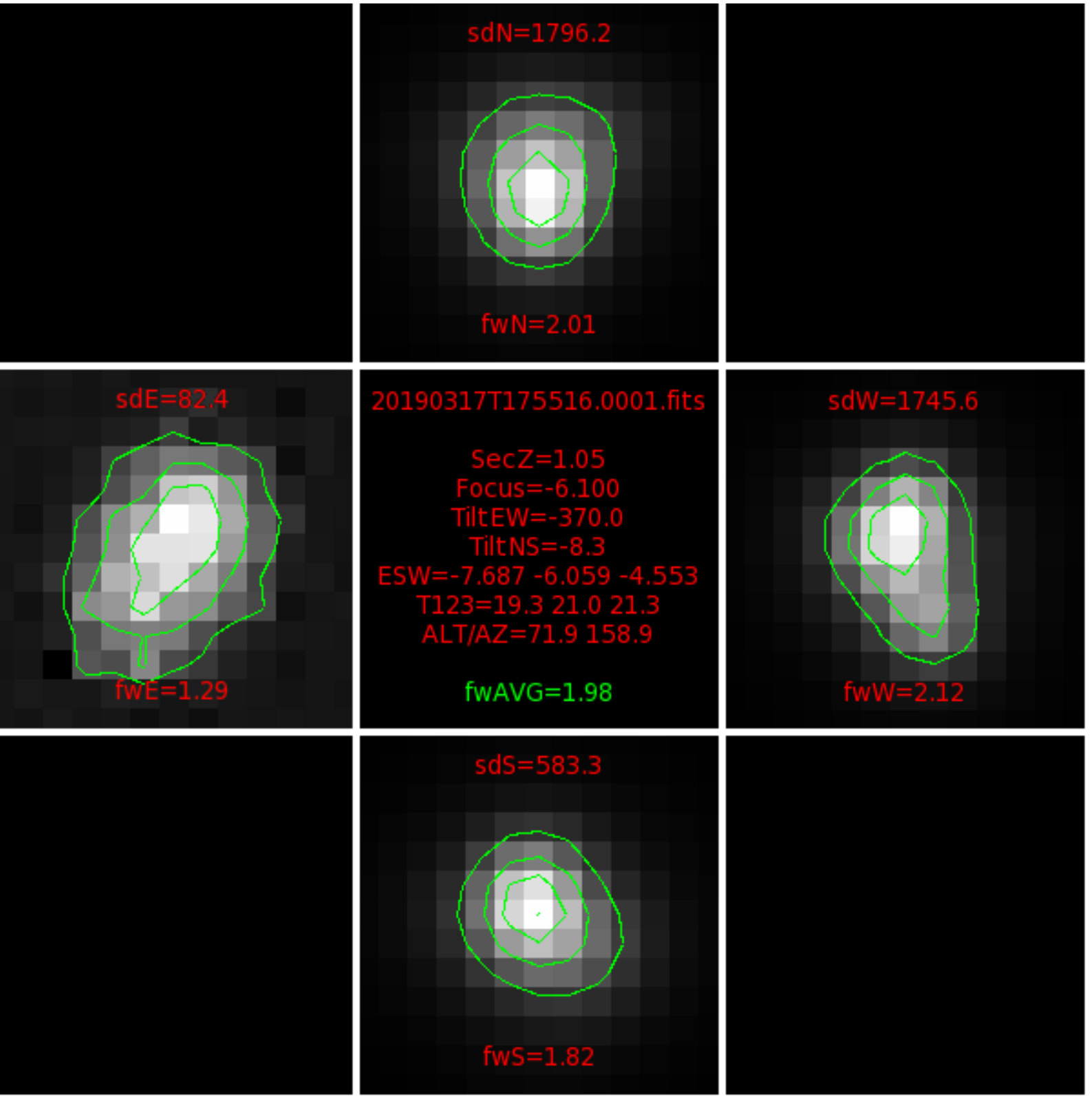
sdN=1796.2
fwN=2.01
sdE=82.4
fwE=1.29
20190317T175516.0001.fits
SecZ=1.05
Focus=-6.100
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.687 -6.059 -4.553
T123=19.3 21.0 21.3
ALT/AZ=71.9 158.9
fwAVG=1.98
sdW=1745.6
fwW=2.12
sdS=583.3
fwS=1.82
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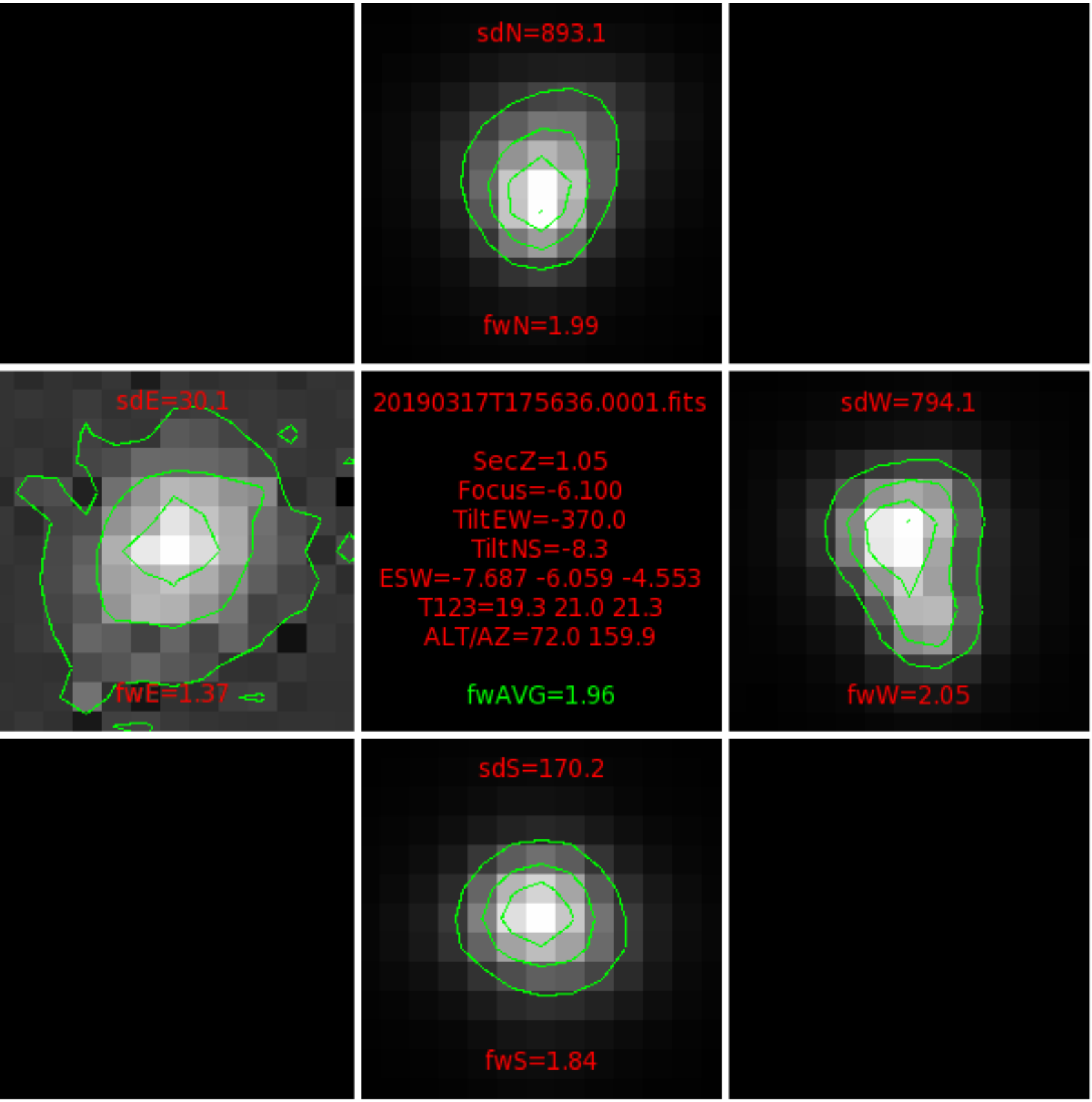
sdN=893.1
fwN=1.99
sdE=30.1
fwE=1.37
20190317T175636.0001.fits
SecZ=1.05
Focus=-6.100
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.687 -6.059 -4.553
T123=19.3 21.0 21.3
ALT/AZ=72.0 159.9
fwAVG=1.96
sdW=794.1
fwW=2.05
sdS=170.2
fwS=1.84
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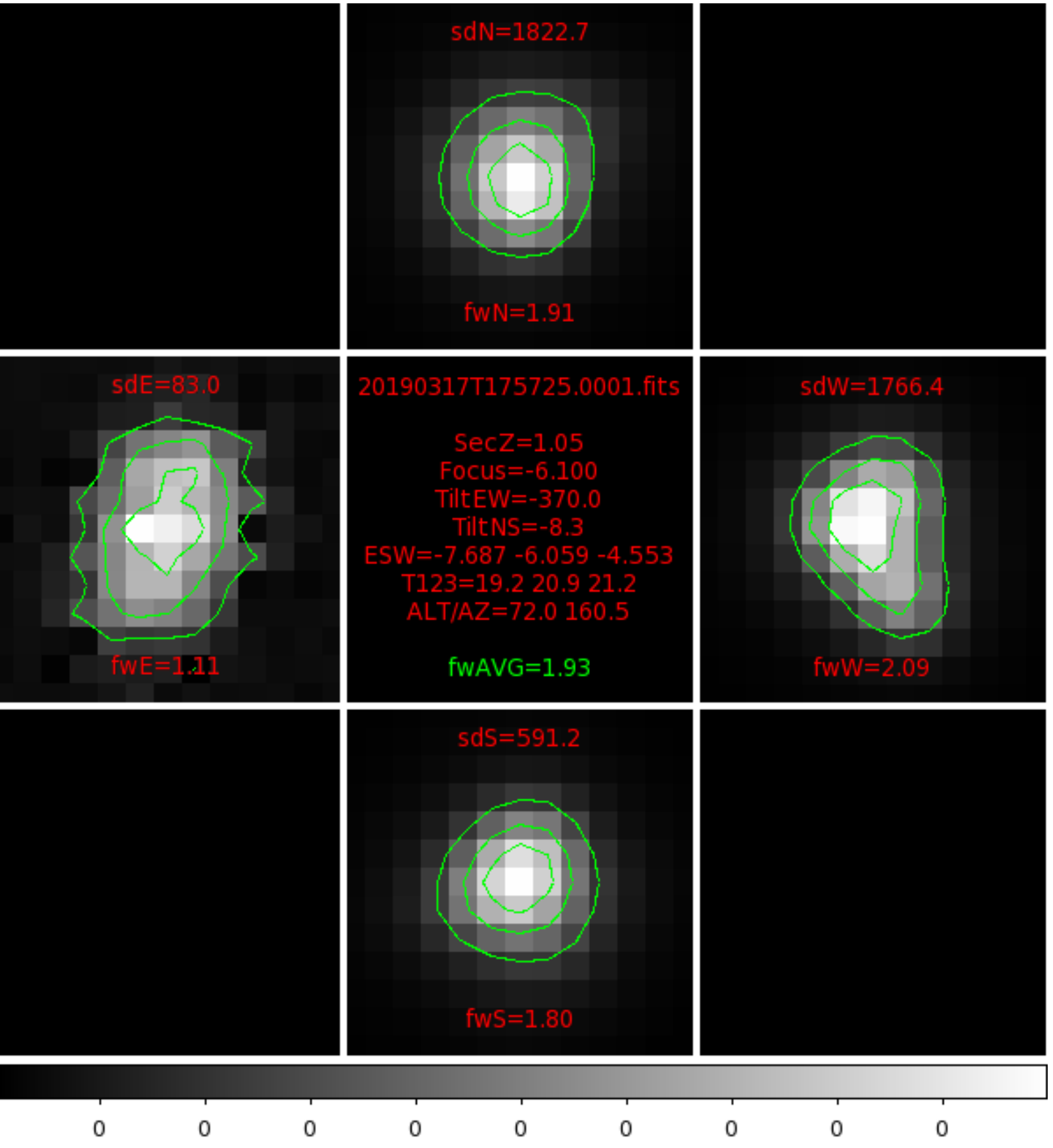
sdN=1822.7
fwN=1.91
sdE=83.0
fwE=1.11
20190317T175725.0001.fits
SecZ=1.05
Focus=-6.100
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.687 -6.059 -4.553
T123=19.2 20.9 21.2
ALT/AZ=72.0 160.5
fwAVG=1.93
sdW=1766.4
fwW=2.09
sdS=591.2
fwS=1.80
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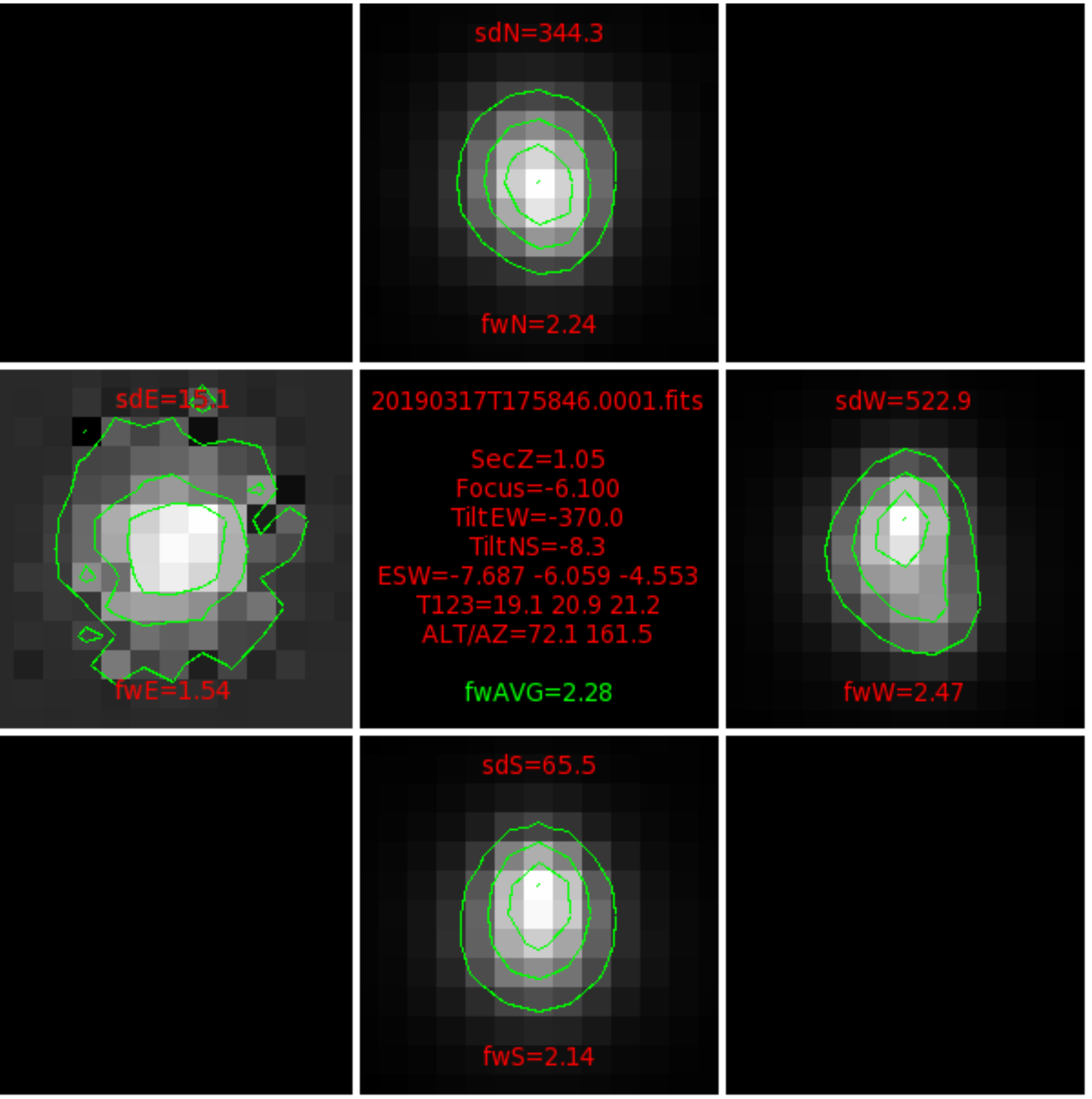
sdN=344.3
fwN=2.24
sdE=15.1
fwE=1.54
20190317T175846.0001.fits
SecZ=1.05
Focus=-6.100
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.687 -6.059 -4.553
T123=19.1 20.9 21.2
ALT/AZ=72.1 161.5
fwAVG=2.28
sdW=522.9
fwW=2.47
sdS=65.5
fwS=2.14
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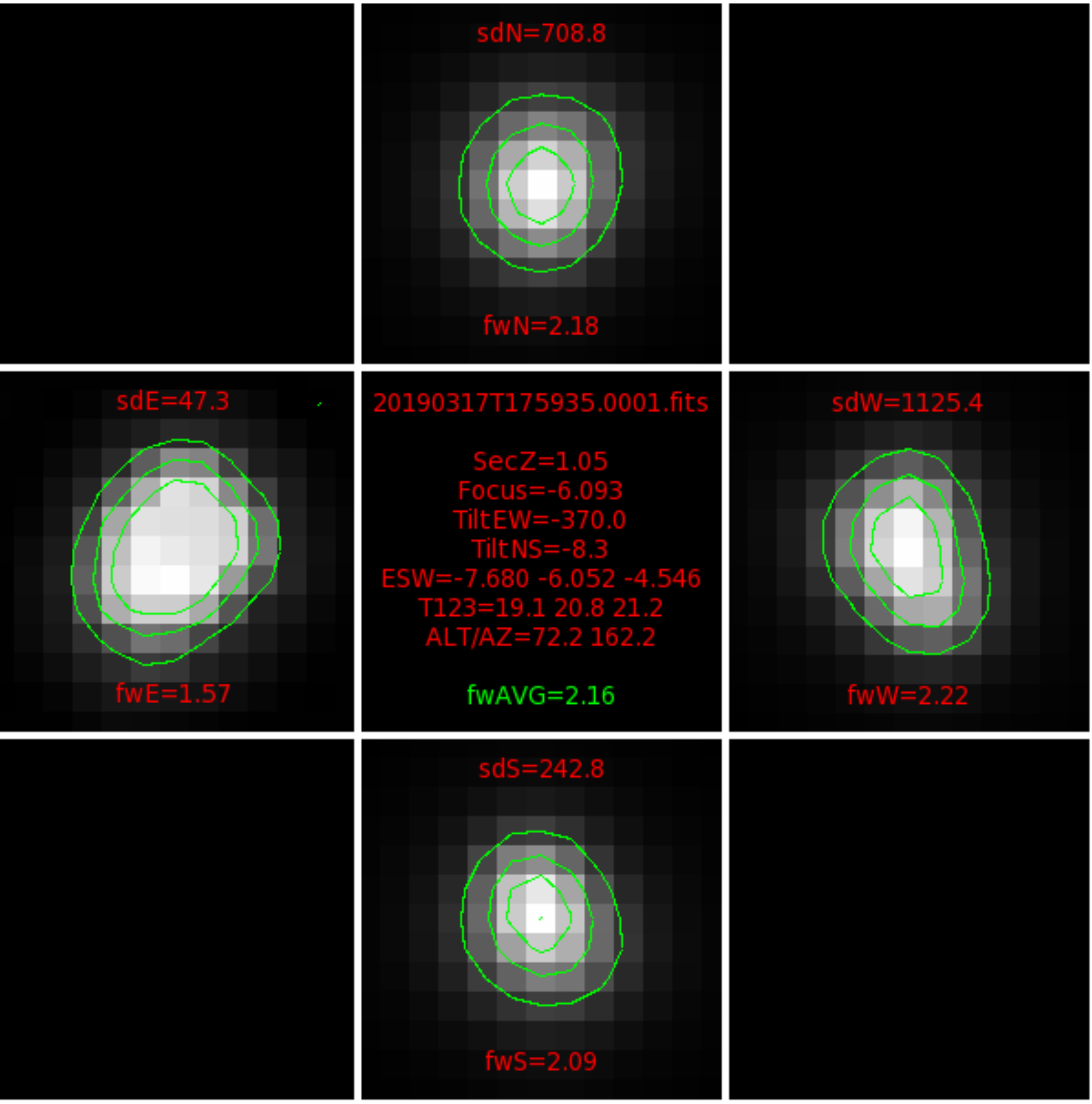
sdN=708.8
fwN=2.18
sdE=47.3
fwE=1.57
20190317T175935.0001.fits
SecZ=1.05
Focus=-6.093
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.680 -6.052 -4.546
T123=19.1 20.8 21.2
ALT/AZ=72.2 162.2
fwAVG=2.16
sdW=1125.4
fwW=2.22
sdS=242.8
fwS=2.09
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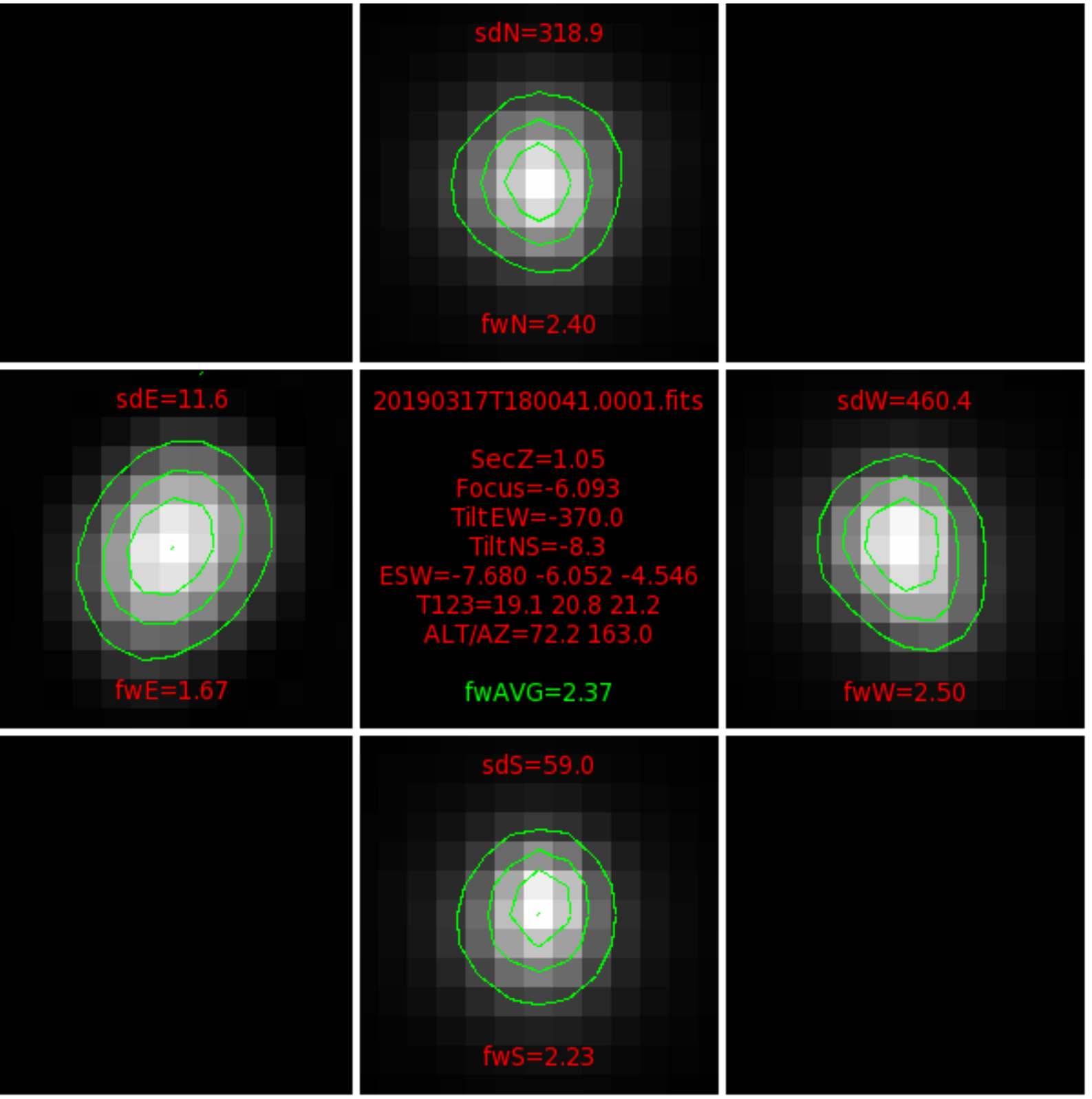
sdN=318.9
fwN=2.40
sdE=11.6
fwE=1.67
20190317T180041.0001.fits
SecZ=1.05
Focus=-6.093
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.680 -6.052 -4.546
T123=19.1 20.8 21.2
ALT/AZ=72.2 163.0
fwAVG=2.37
sdW=460.4
fwW=2.50
sdS=59.0
fwS=2.23
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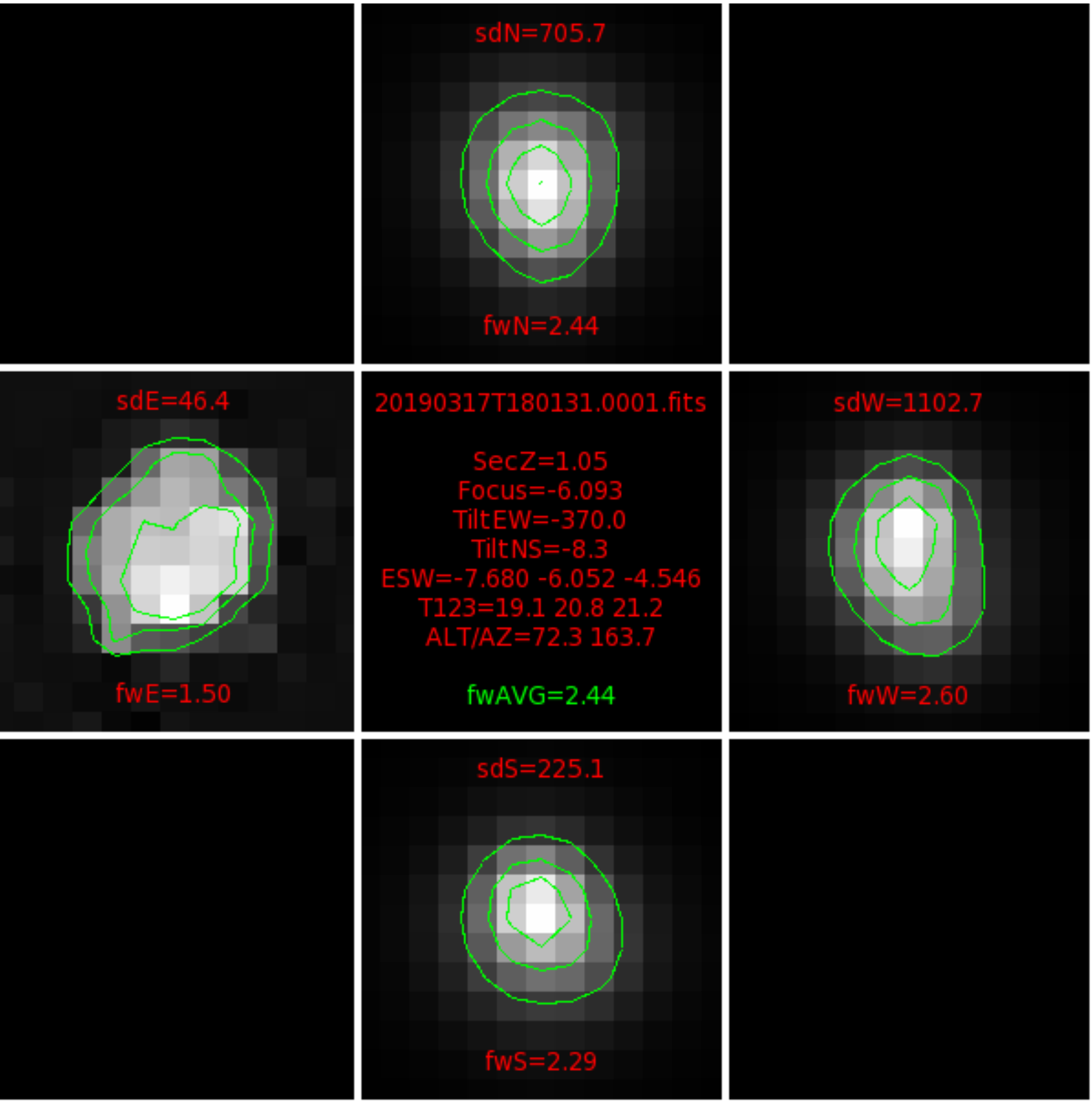
sdN=705.7
fwN=2.44
sdE=46.4
fwE=1.50
20190317T180131.0001.fits
SecZ=1.05
Focus=-6.093
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.680 -6.052 -4.546
T123=19.1 20.8 21.2
ALT/AZ=72.3 163.7
fwAVG=2.44
sdW=1102.7
fwW=2.60
sdS=225.1
fwS=2.29
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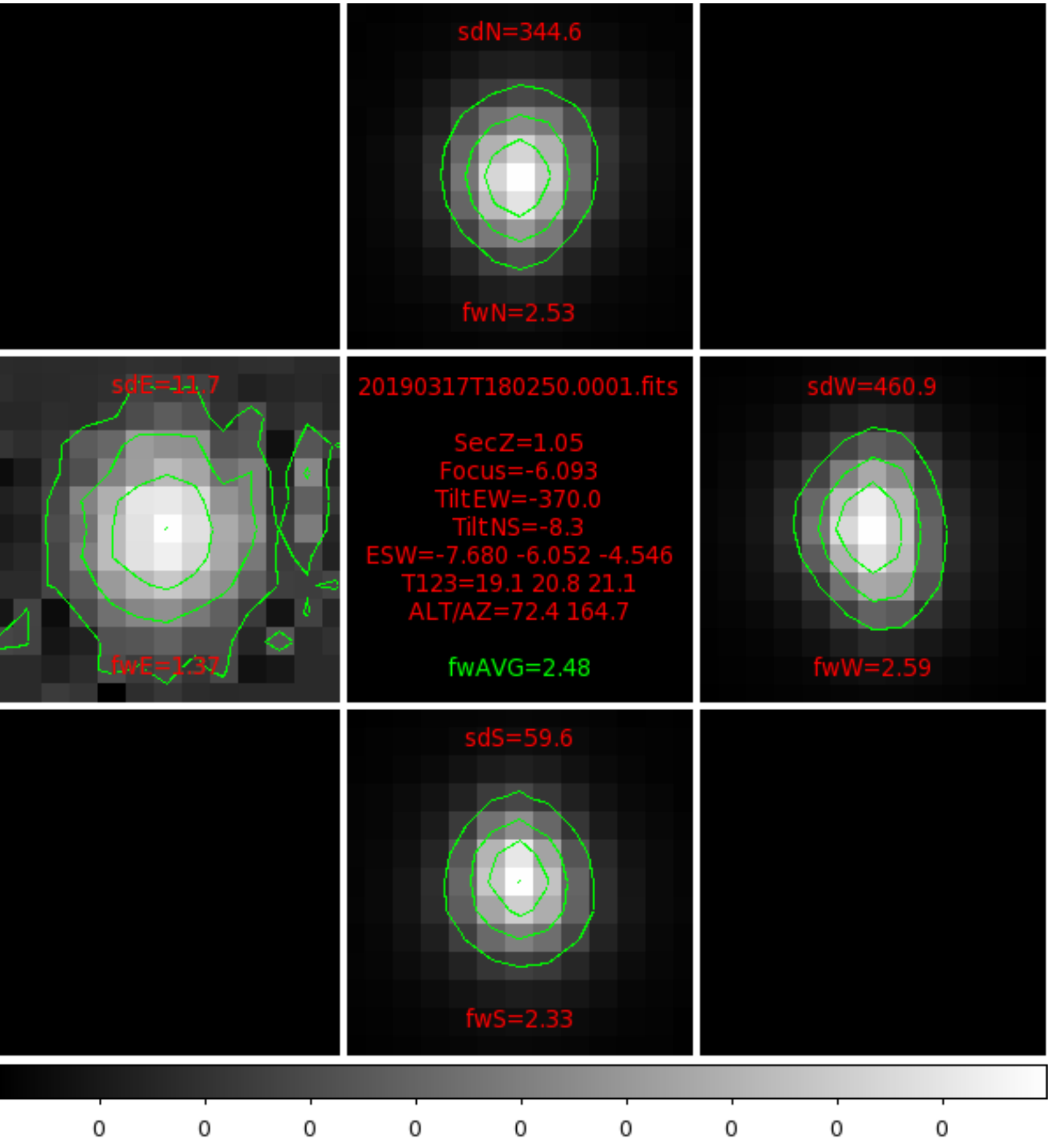
sdN=344.6
fwN=2.53
sdE=11.7
fwE=1.37
20190317T180250.0001.fits
SecZ=1.05
Focus=-6.093
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.680 -6.052 -4.546
T123=19.1 20.8 21.1
ALT/AZ=72.4 164.7
fwAVG=2.48
sdW=460.9
fwW=2.59
sdS=59.6
fwS=2.33
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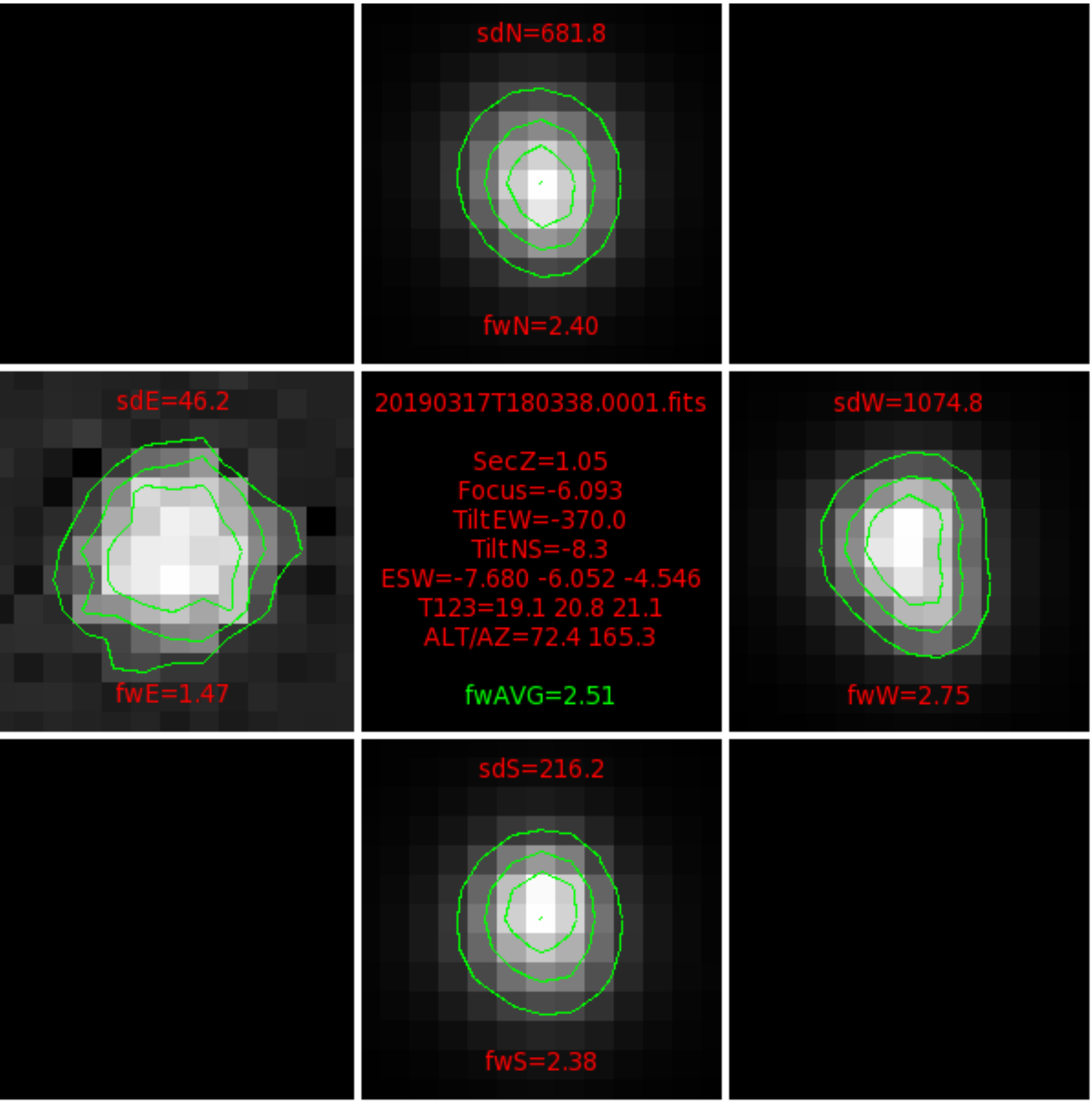
sdN=681.8
fwN=2.40
sdE=46.2
fwE=1.47
20190317T180338.0001.fits
SecZ=1.05
Focus=-6.093
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.680 -6.052 -4.546
T123=19.1 20.8 21.1
ALT/AZ=72.4 165.3
fwAVG=2.51
sdW=1074.8
fwW=2.75
sdS=216.2
fwS=2.38
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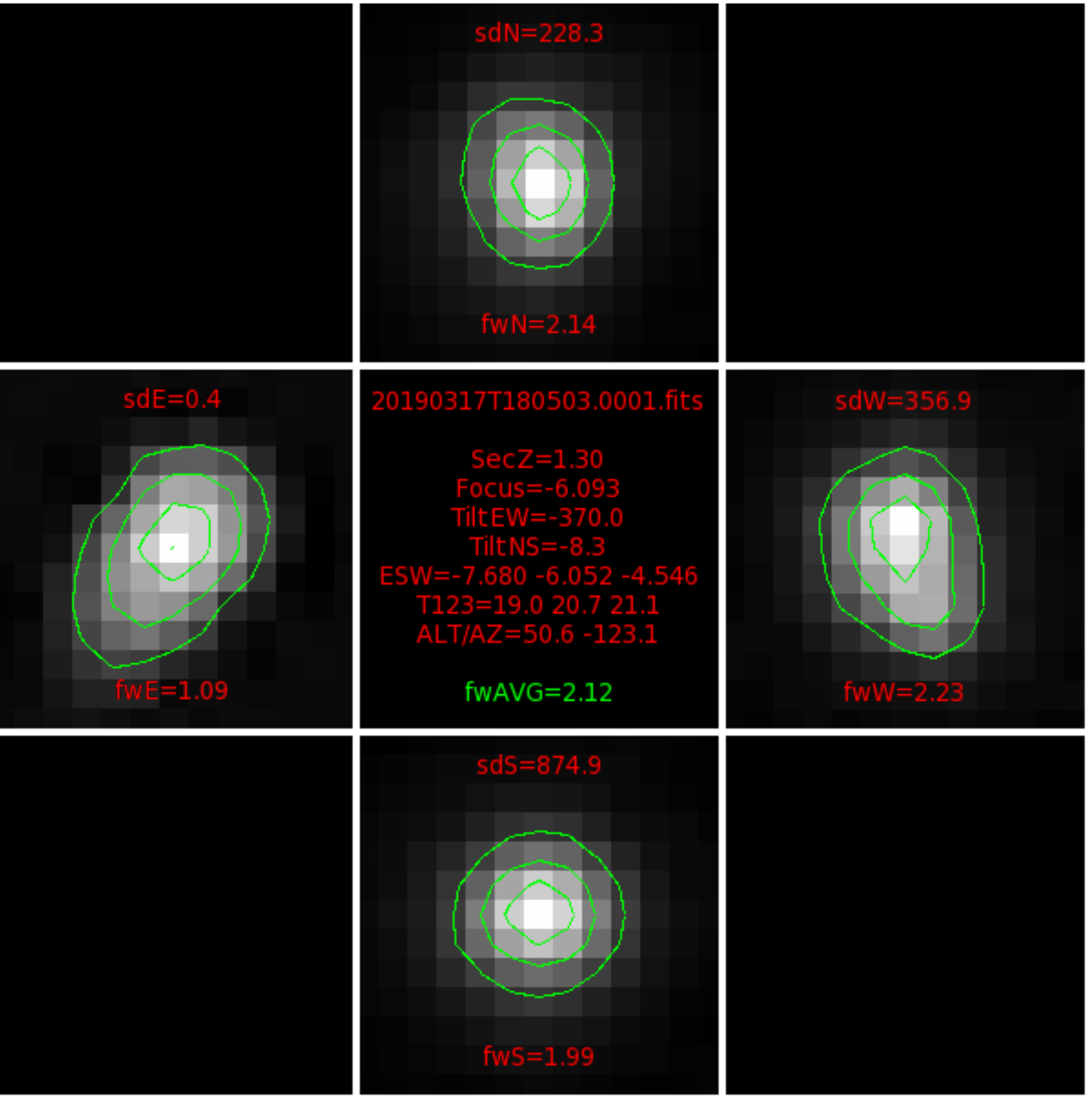
sdN=228.3
fwN=2.14
sdE=0.4
fwE=1.09
20190317T180503.0001.fits
SecZ=1.30
Focus=-6.093
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.680 -6.052 -4.546
T123=19.0 20.7 21.1
ALT/AZ=50.6 -123.1
fwAVG=2.12
sdW=356.9
fwW=2.23
sdS=874.9
fwS=1.99
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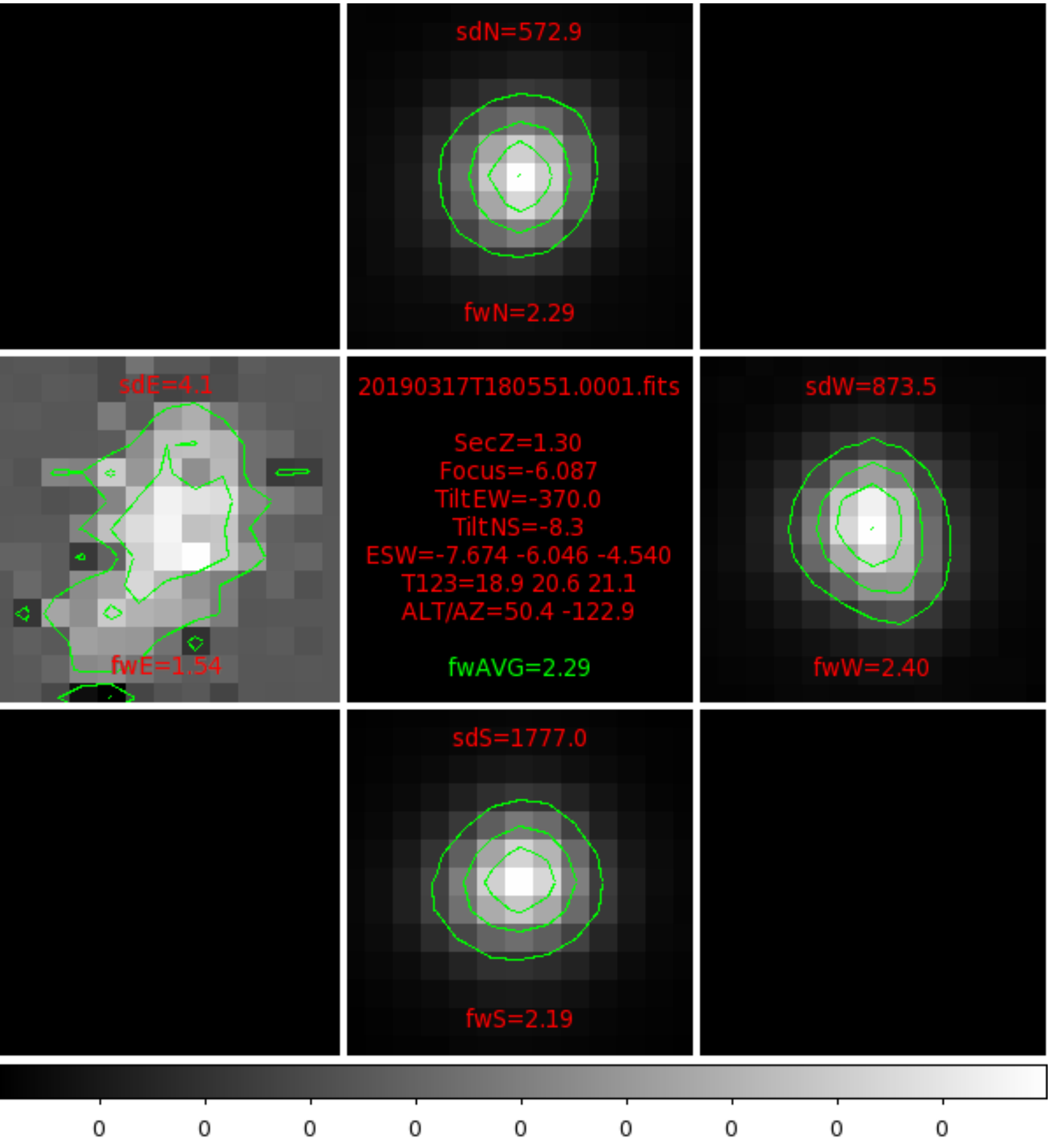
sdN=572.9
fwN=2.29
sdE=4.1
fwE=1.54
20190317T180551.0001.fits
SecZ=1.30
Focus=-6.087
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.674 -6.046 -4.540
T123=18.9 20.6 21.1
ALT/AZ=50.4 -122.9
fwAVG=2.29
sdW=873.5
fwW=2.40
sdS=1777.0
fwS=2.19
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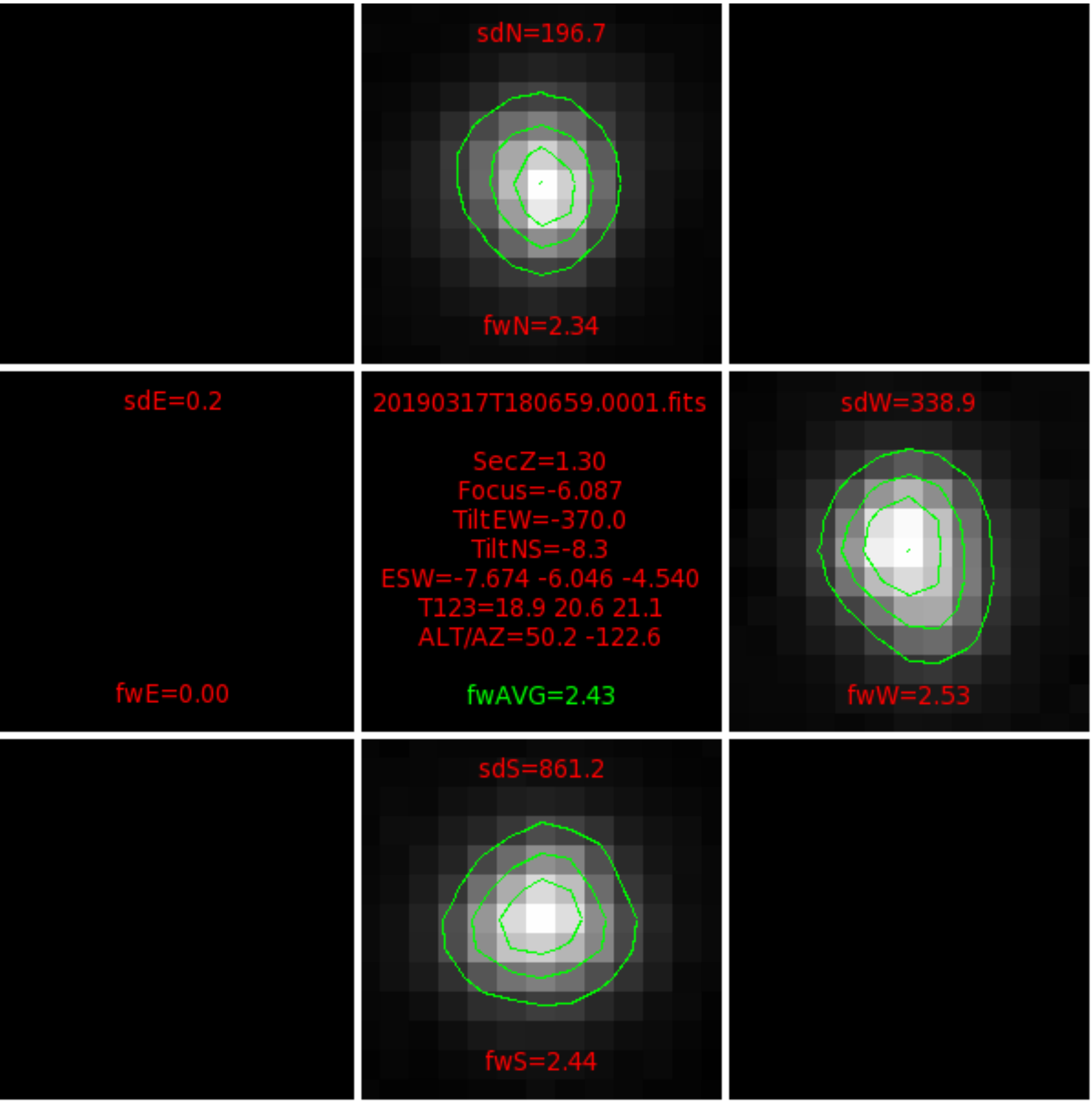
sdN=196.7
fwN=2.34
sdE=0.2
fwE=0.00
20190317T180659.0001.fits
SecZ=1.30
Focus=-6.087
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.674 -6.046 -4.540
T123=18.9 20.6 21.1
ALT/AZ=50.2 -122.6
fwAVG=2.43
sdW=338.9
fwW=2.53
sdS=861.2
fwS=2.44
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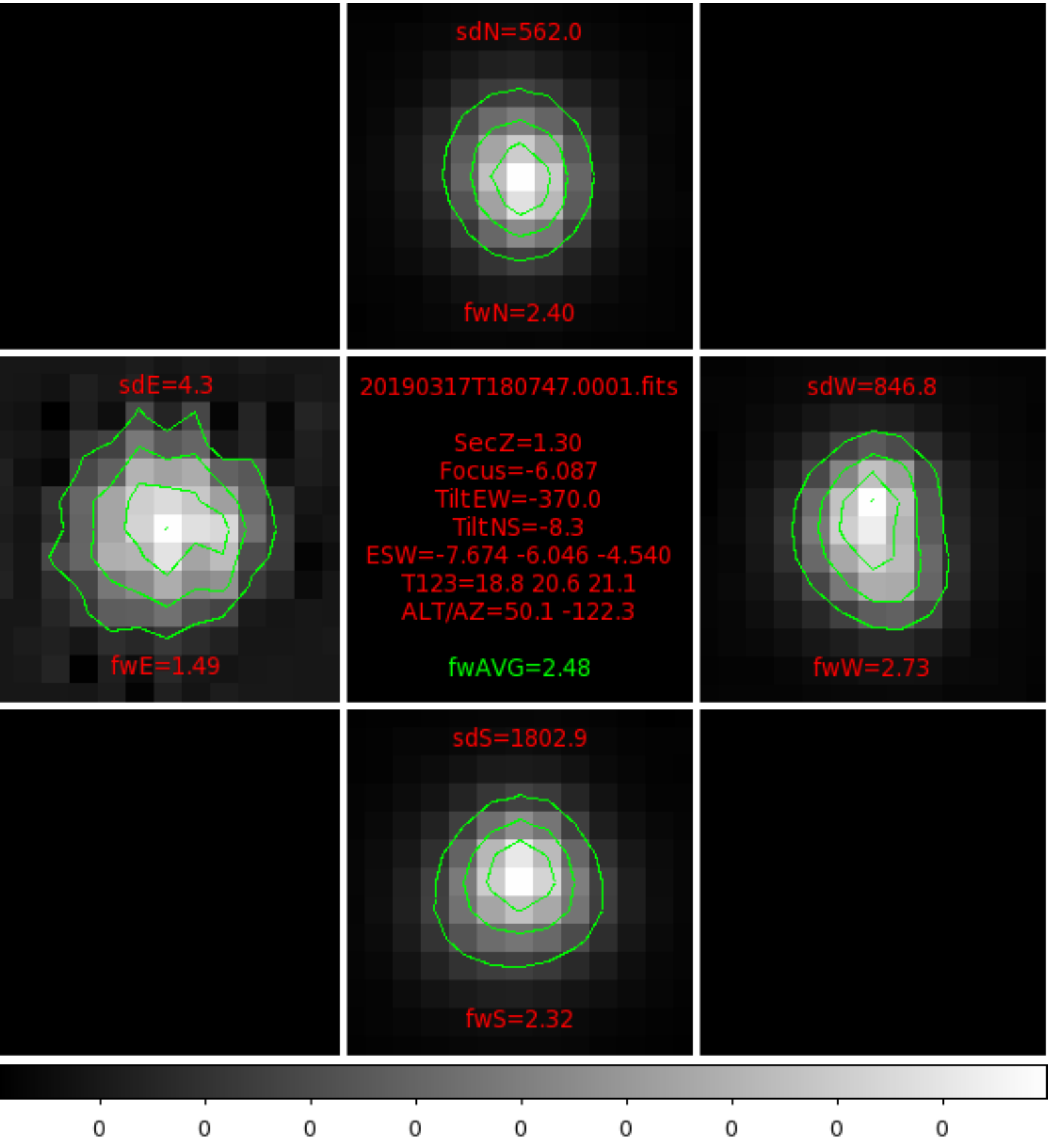
sdN=562.0
fwN=2.40
sdE=4.3
fwE=1.49
20190317T180747.0001.fits
SecZ=1.30
Focus=-6.087
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.674 -6.046 -4.540
T123=18.8 20.6 21.1
ALT/AZ=50.1 -122.3
fwAVG=2.48
sdW=846.8
fwW=2.73
sdS=1802.9
fwS=2.32
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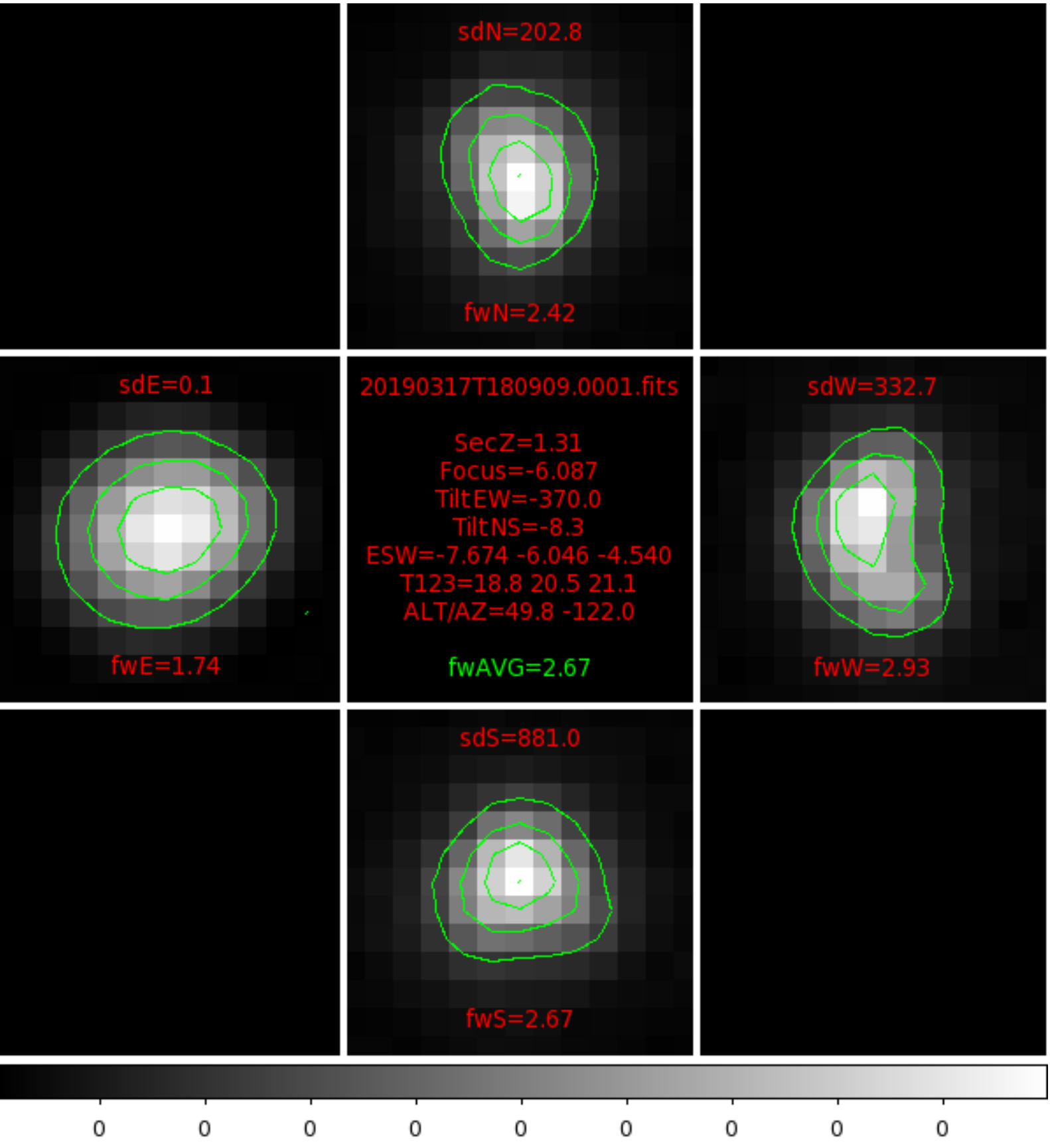
sdN=202.8
fwN=2.42
sdE=0.1
fwE=1.74
20190317T180909.0001.fits
SecZ=1.31
Focus=-6.087
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.674 -6.046 -4.540
T123=18.8 20.5 21.1
ALT/AZ=49.8 -122.0
fwAVG=2.67
sdW=332.7
fwW=2.93
sdS=881.0
fwS=2.67
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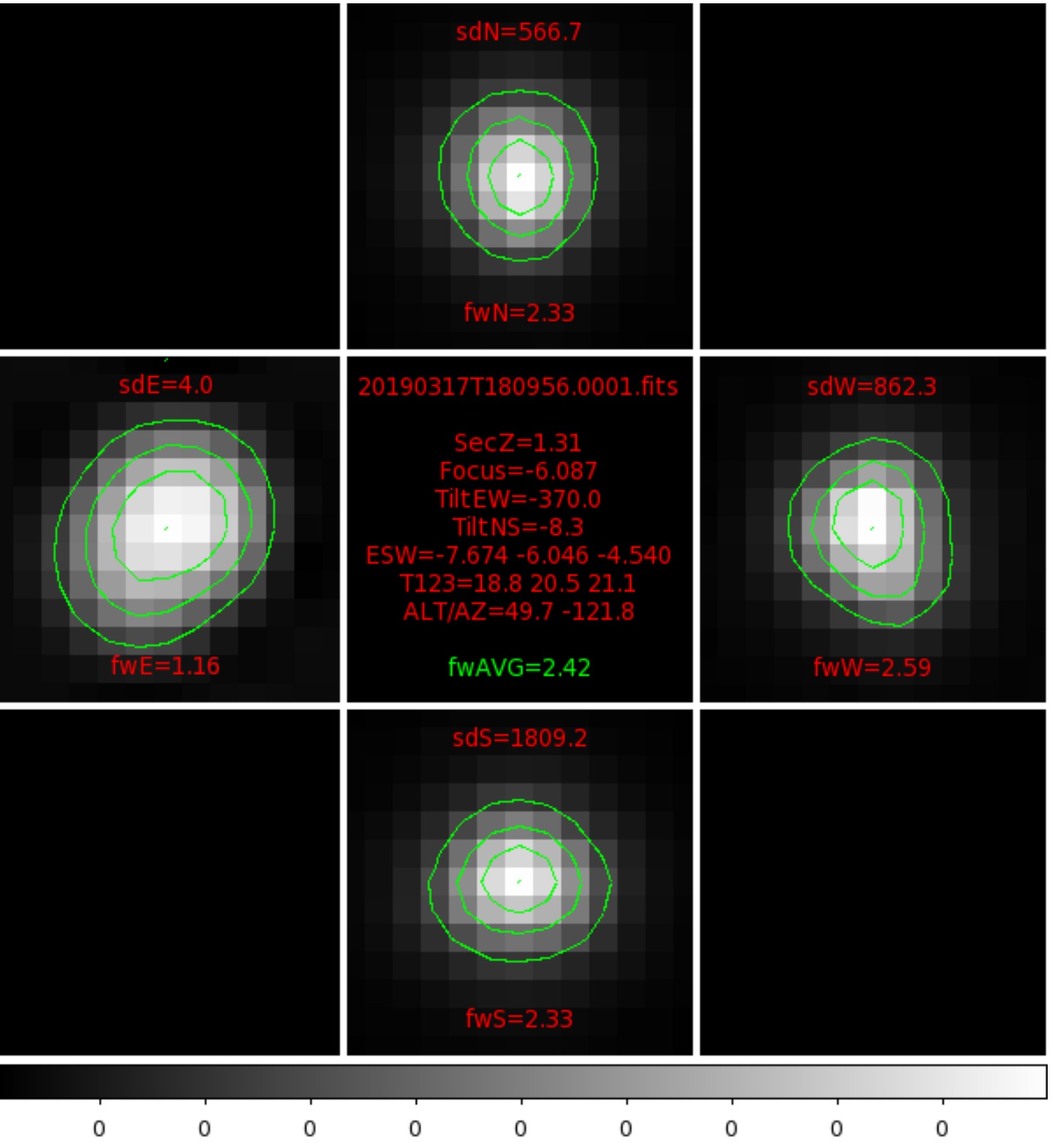
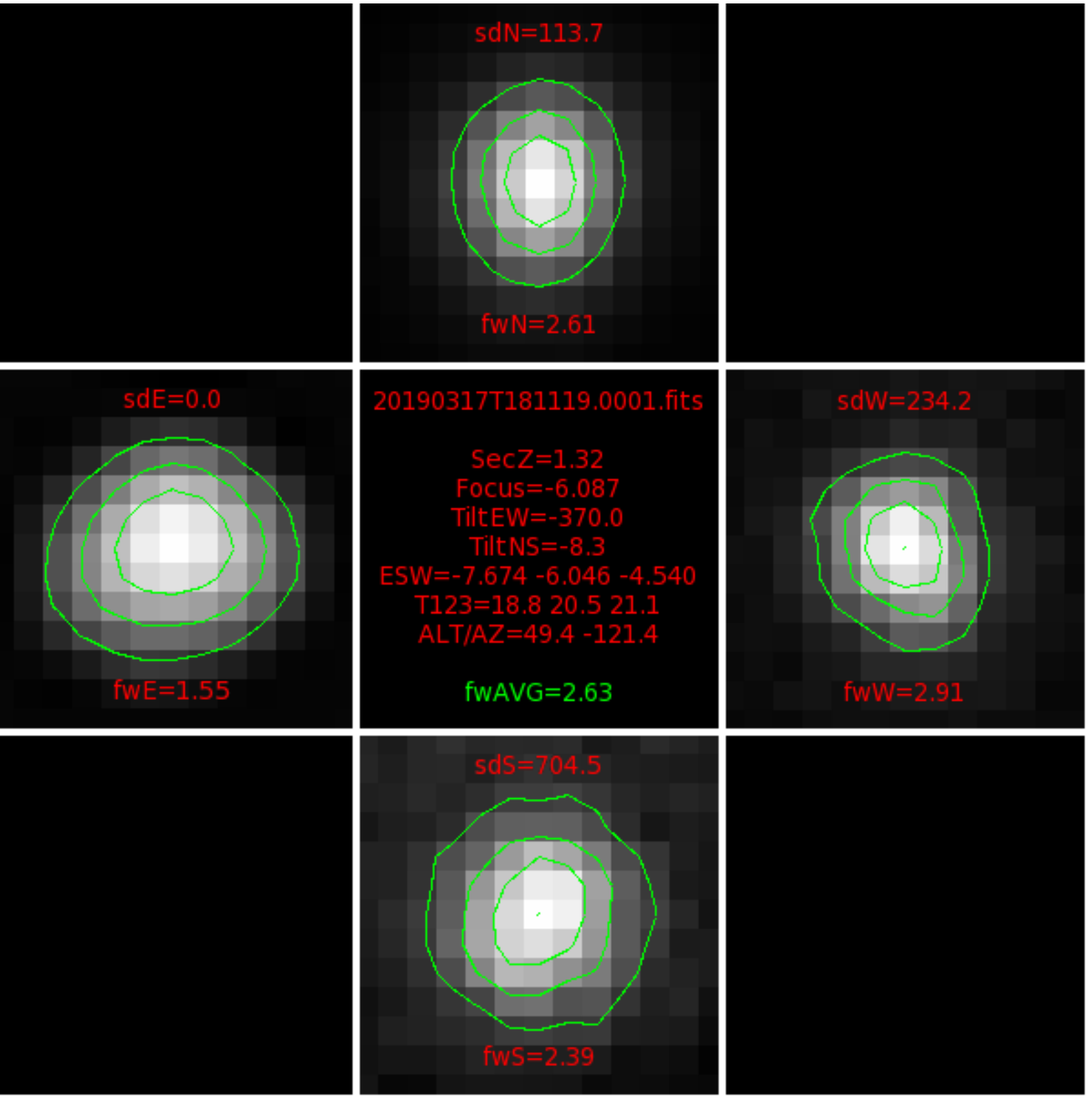
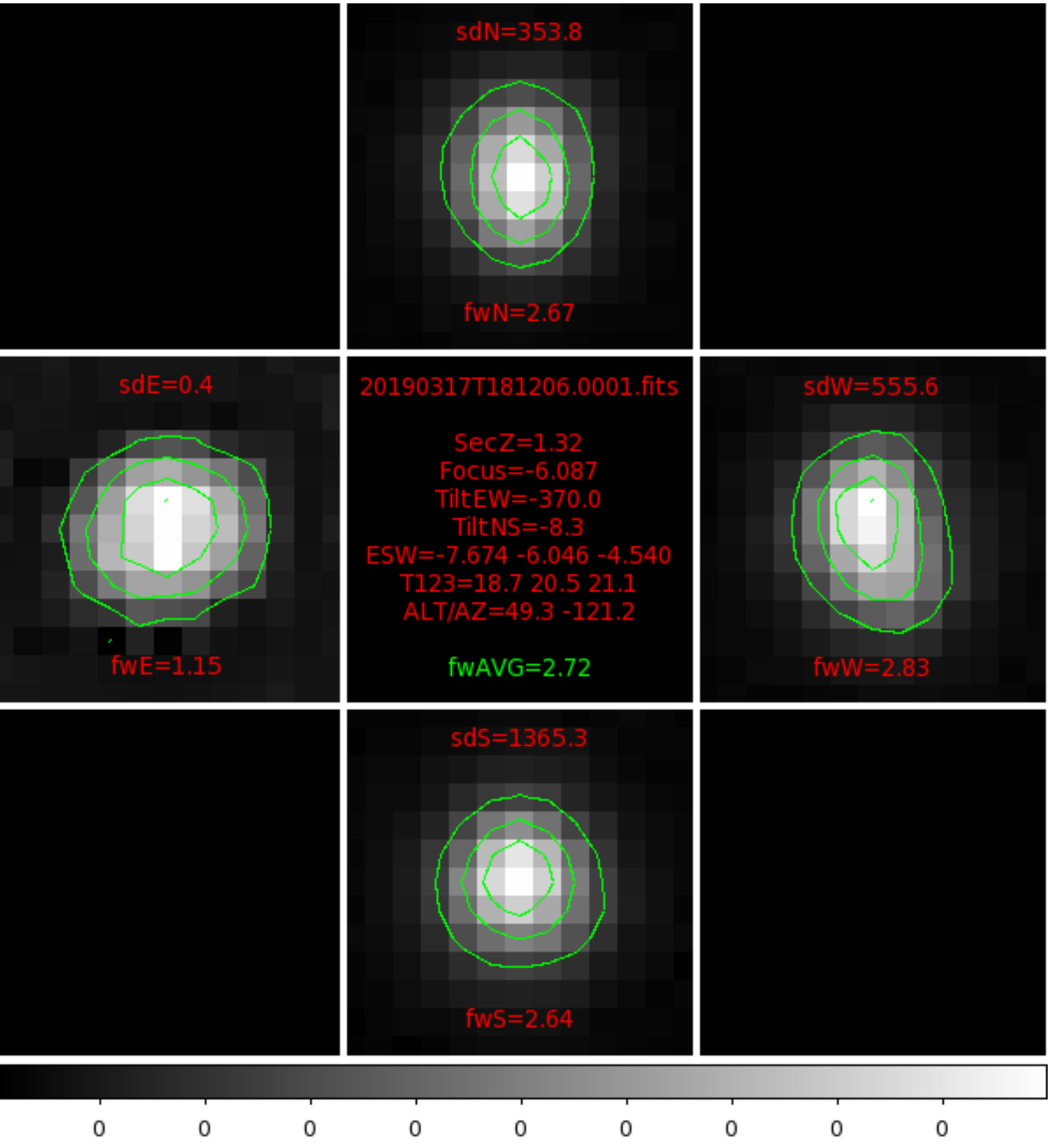
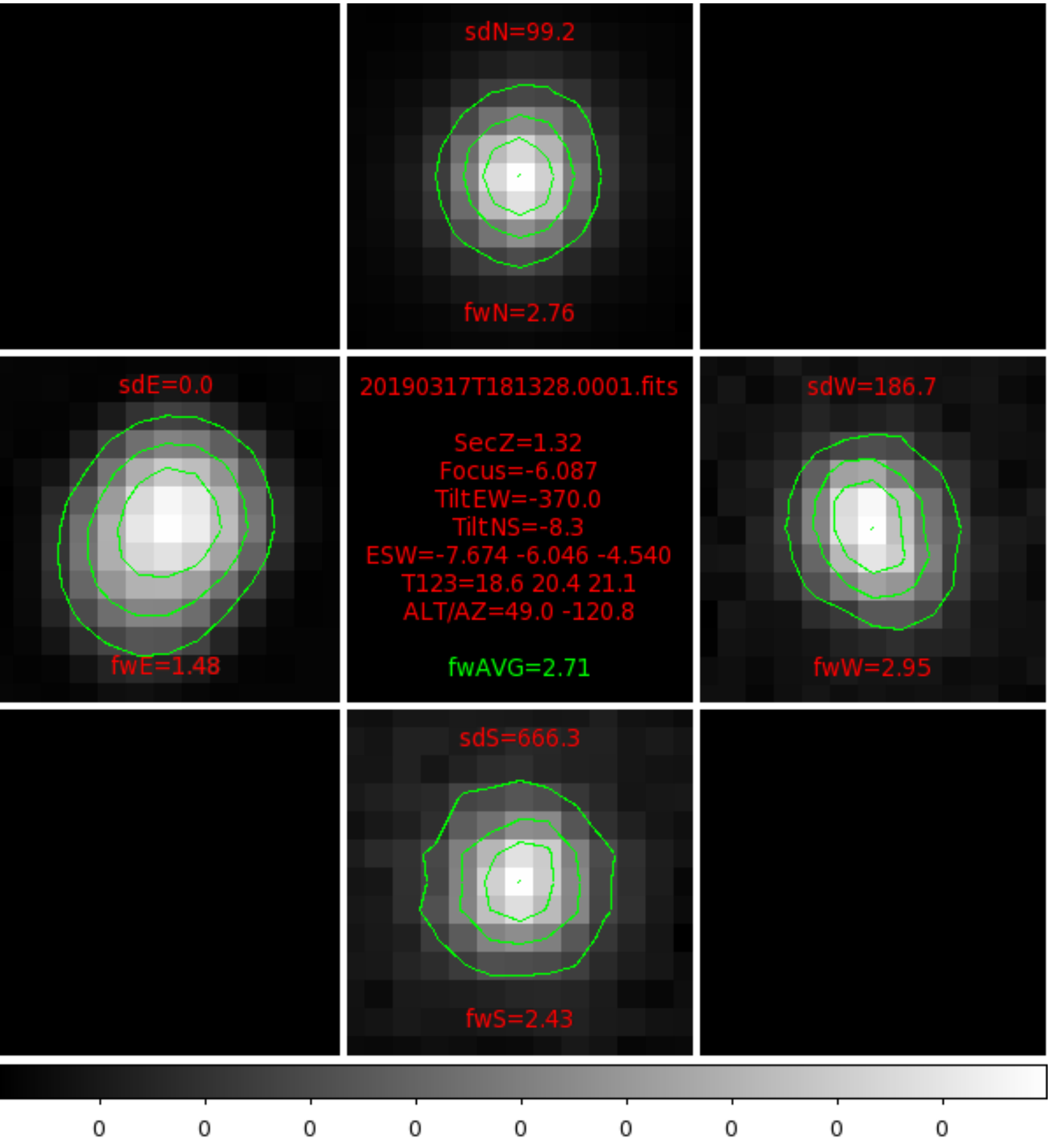
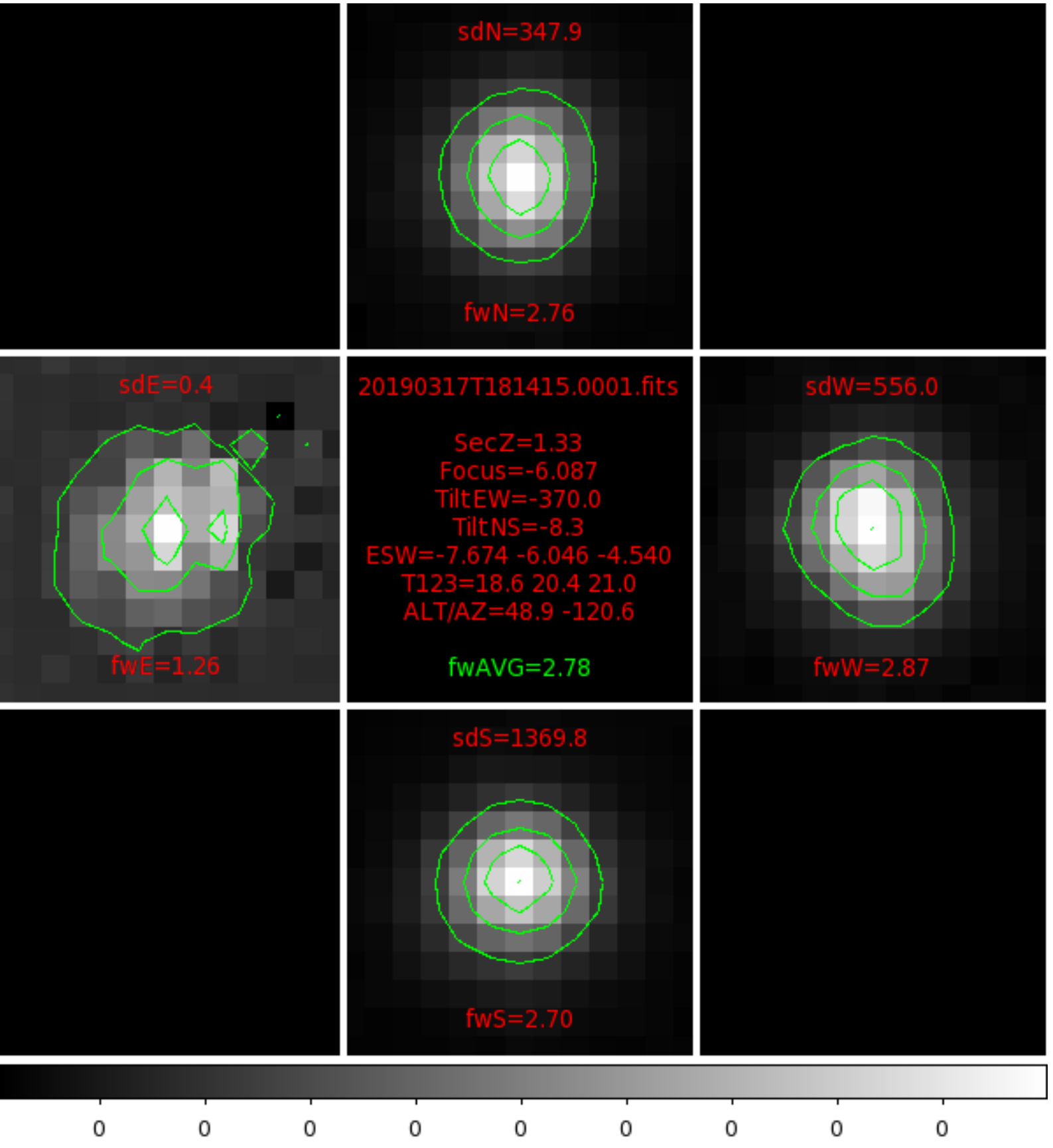
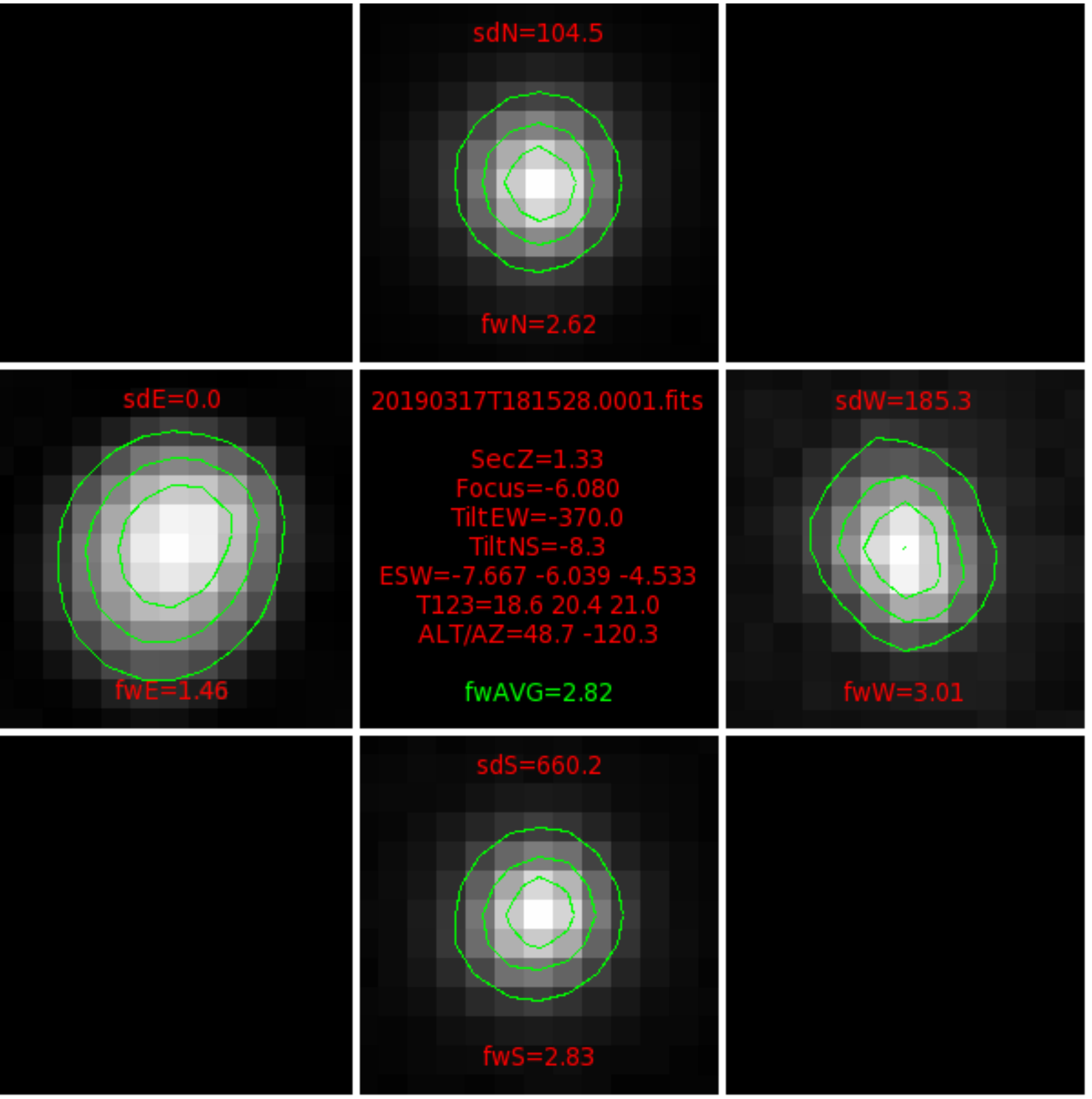

sdN=566.7
fwN=2.33
sdE=4.0
fwE=1.16
20190317T180956.0001.fits
SecZ=1.31
Focus=-6.087
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.674 -6.046 -4.540
T123=18.8 20.5 21.1
ALT/AZ=49.7 -121.8
fwAVG=2.42
sdW=862.3
fwW=2.59
sdS=1809.2
fwS=2.33
0 0 0 0 0 0 0 0 0


sdN=113.7
fwN=2.61
sdE=0.0
fwE=1.55
20190317T181119.0001.fits
SecZ=1.32
Focus=-6.087
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.674 -6.046 -4.540
T123=18.8 20.5 21.1
ALT/AZ=49.4 -121.4
fwAVG=2.63
sdW=234.2
fwW=2.91
sdS=704.5
fwS=2.39
0 0 0 0 0 0 0 0 0


sdN=353.8
fwN=2.67
sdE=0.4
fwE=1.15
20190317T181206.0001.fits
SecZ=1.32
Focus=-6.087
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.674 -6.046 -4.540
T123=18.7 20.5 21.1
ALT/AZ=49.3 -121.2
fwAVG=2.72
sdW=555.6
fwW=2.83
sdS=1365.3
fwS=2.64
0 0 0 0 0 0 0 0 0


sdN=99.2
fwN=2.76
sdE=0.0
fwE=1.48
20190317T181328.0001.fits
SecZ=1.32
Focus=-6.087
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.674 -6.046 -4.540
T123=18.6 20.4 21.1
ALT/AZ=49.0 -120.8
fwAVG=2.71
sdW=186.7
fwW=2.95
sdS=666.3
fwS=2.43
0 0 0 0 0 0 0 0 0


sdN=347.9
fwN=2.76
sdE=0.4
fwE=1.26
20190317T181415.0001.fits
SecZ=1.33
Focus=-6.087
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.674 -6.046 -4.540
T123=18.6 20.4 21.0
ALT/AZ=48.9 -120.6
fwAVG=2.78
sdW=556.0
fwW=2.87
sdS=1369.8
fwS=2.70
0 0 0 0 0 0 0 0 0


sdN=104.5
fwN=2.62
sdE=0.0
fwE=1.46
20190317T181528.0001.fits
SecZ=1.33
Focus=-6.080
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.667 -6.039 -4.533
T123=18.6 20.4 21.0
ALT/AZ=48.7 -120.3
fwAVG=2.82
sdW=185.3
fwW=3.01
sdS=660.2
fwS=2.83
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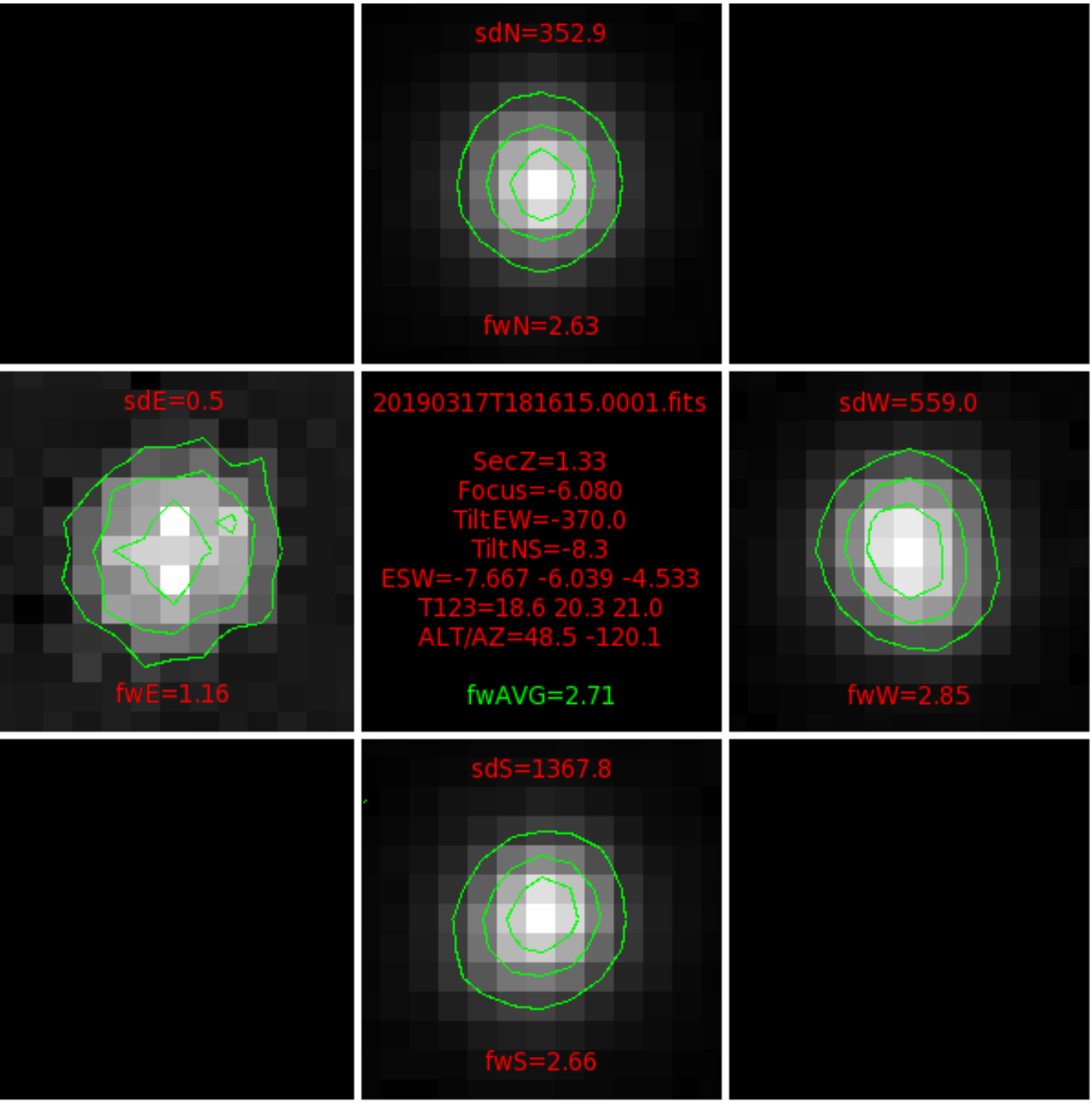
sdN=352.9
fwN=2.63
sdE=0.5
fwE=1.16
20190317T181615.0001.fits
SecZ=1.33
Focus=-6.080
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.667 -6.039 -4.533
T123=18.6 20.3 21.0
ALT/AZ=48.5 -120.1
fwAVG=2.71
sdW=559.0
fwW=2.85
sdS=1367.8
fwS=2.66
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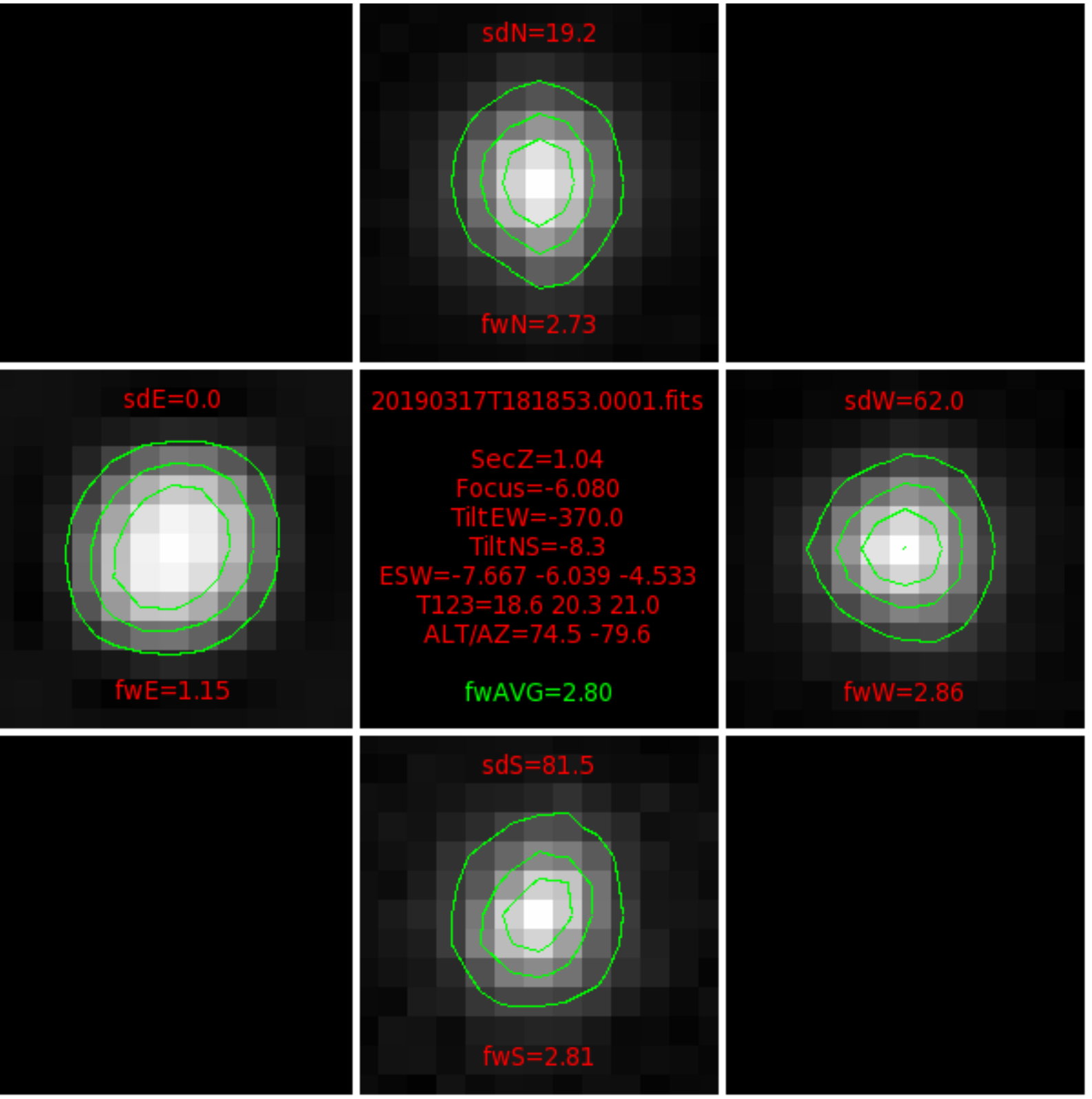
sdN=19.2
fwN=2.73
sdE=0.0
fwE=1.15
20190317T181853.0001.fits
SecZ=1.04
Focus=-6.080
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.667 -6.039 -4.533
T123=18.6 20.3 21.0
ALT/AZ=74.5 -79.6
fwAVG=2.80
sdW=62.0
fwW=2.86
sdS=81.5
fwS=2.81
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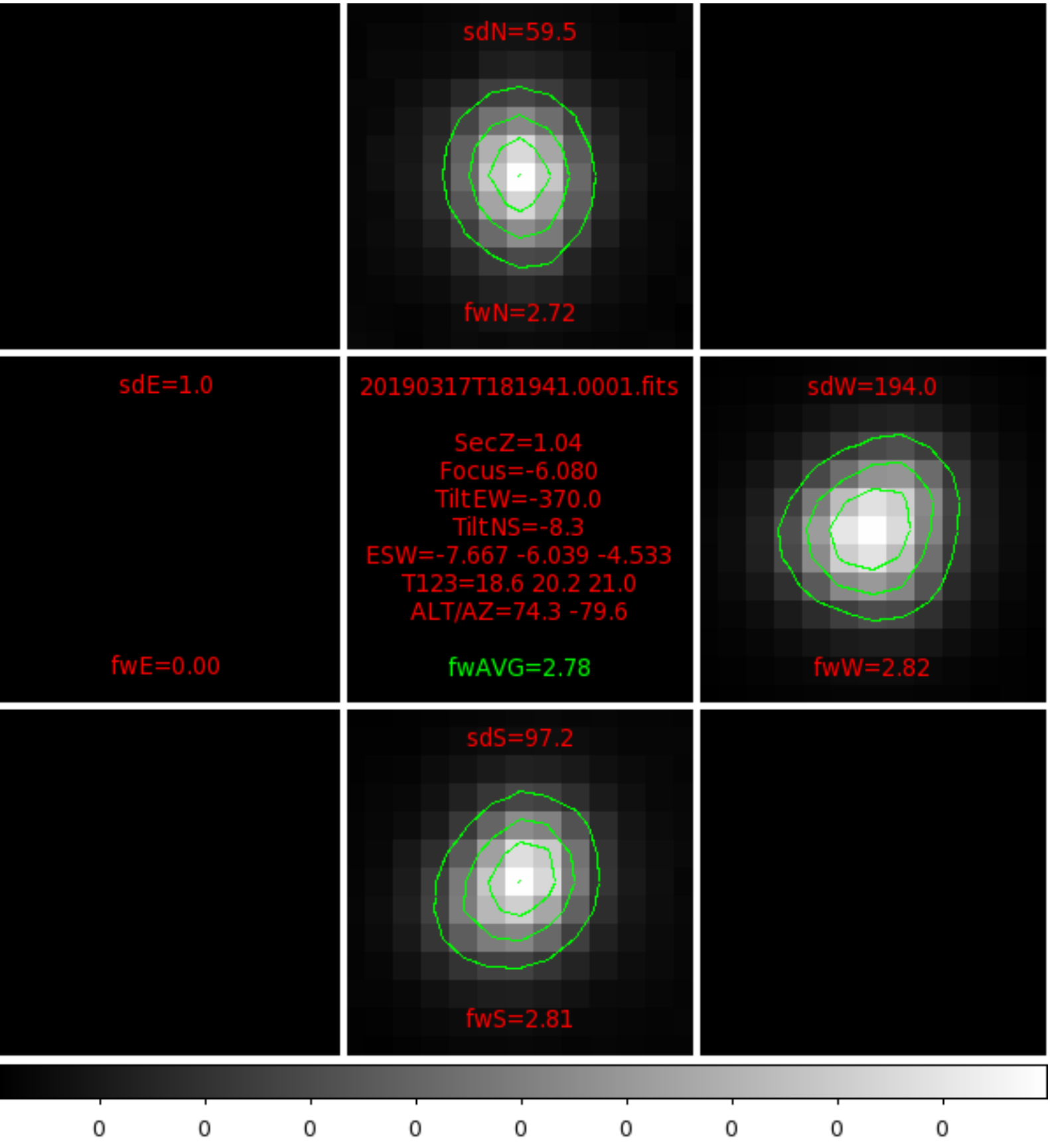
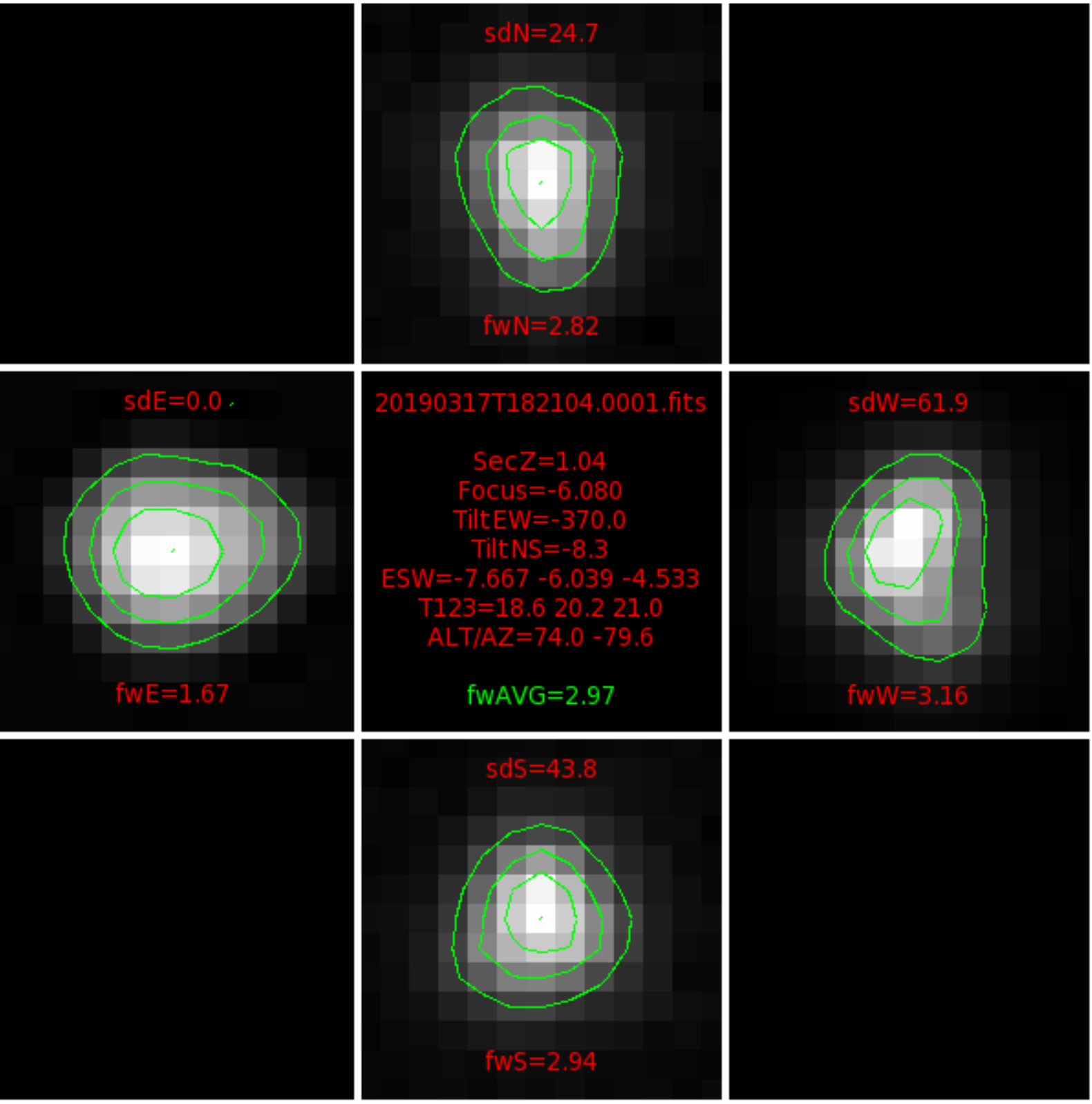

sdN=59.5
fwN=2.72
sdE=1.0
fwE=0.00
20190317T181941.0001.fits
SecZ=1.04
Focus=-6.080
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.667 -6.039 -4.533
T123=18.6 20.2 21.0
ALT/AZ=74.3 -79.6
fwAVG=2.78
sdW=194.0
fwW=2.82
sdS=97.2
fwS=2.81
0 0 0 0 0 0 0 0 0


sdN=24.7
fwN=2.82
sdE=0.0
fwE=1.67
20190317T182104.0001.fits
SecZ=1.04
Focus=-6.080
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.667 -6.039 -4.533
T123=18.6 20.2 21.0
ALT/AZ=74.0 -79.6
fwAVG=2.97
sdW=61.9
fwW=3.16
sdS=43.8
fwS=2.94
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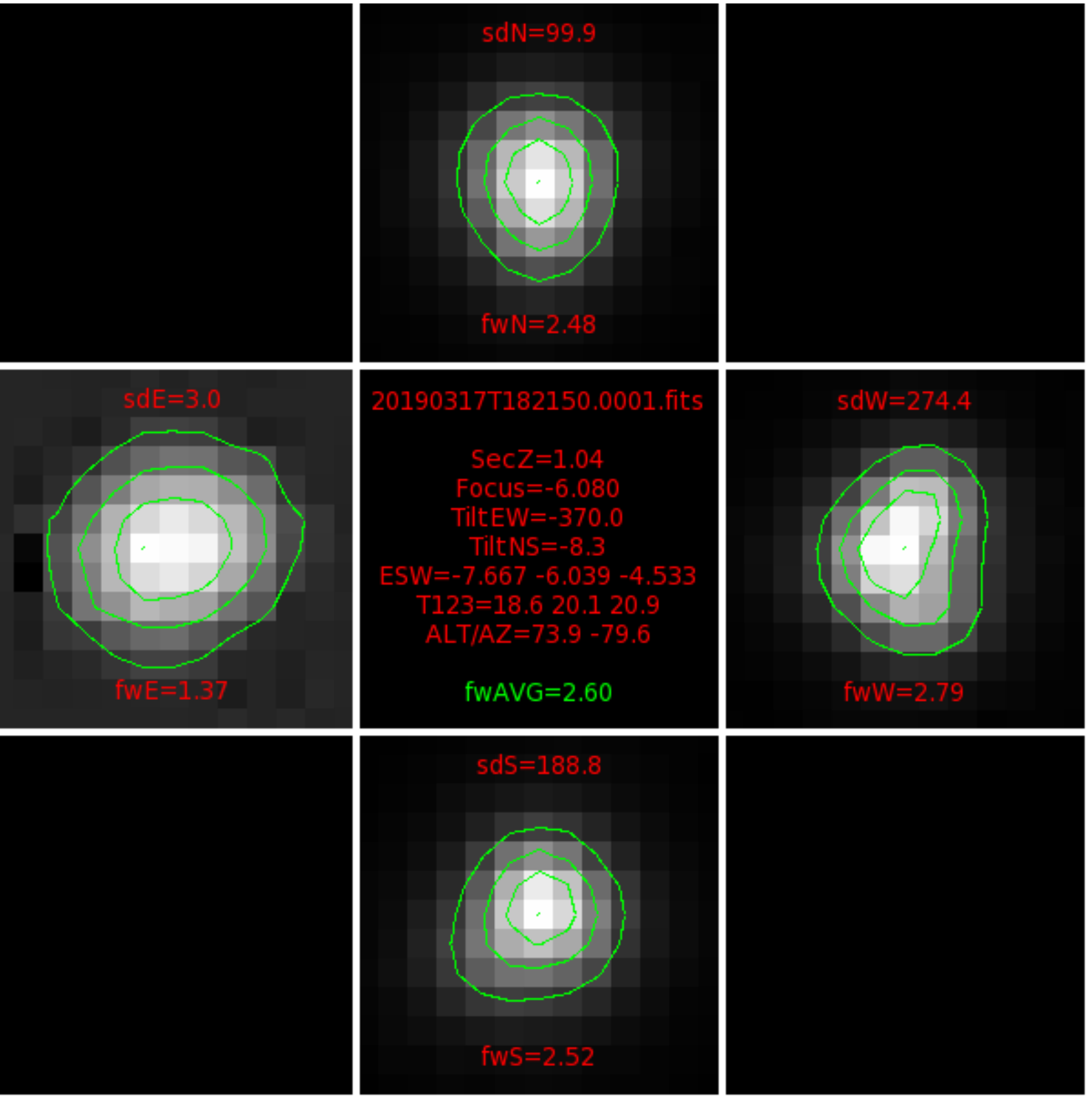
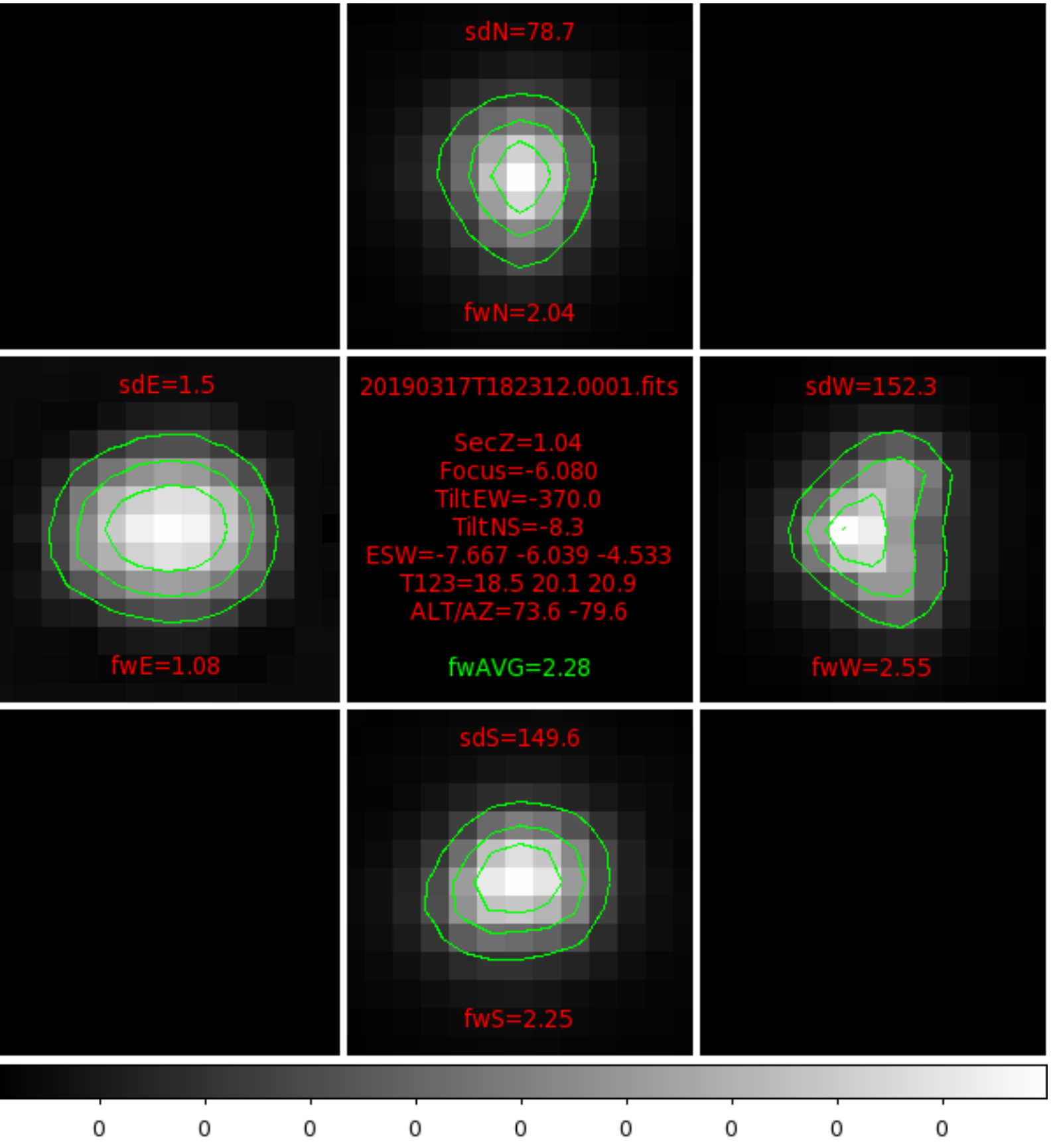

sdN=99.9
fwN=2.48
sdE=3.0
fwE=1.37
20190317T182150.0001.fits
SecZ=1.04
Focus=-6.080
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.667 -6.039 -4.533
T123=18.6 20.1 20.9
ALT/AZ=73.9 -79.6
fwAVG=2.60
sdW=274.4
fwW=2.79
sdS=188.8
fwS=2.52
0 0 0 0 0 0 0 0 0


sdN=78.7
fwN=2.04
sdE=1.5
fwE=1.08
20190317T182312.0001.fits
SecZ=1.04
Focus=-6.080
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.667 -6.039 -4.533
T123=18.5 20.1 20.9
ALT/AZ=73.6 -79.6
fwAVG=2.28
sdW=152.3
fwW=2.55
sdS=149.6
fwS=2.25
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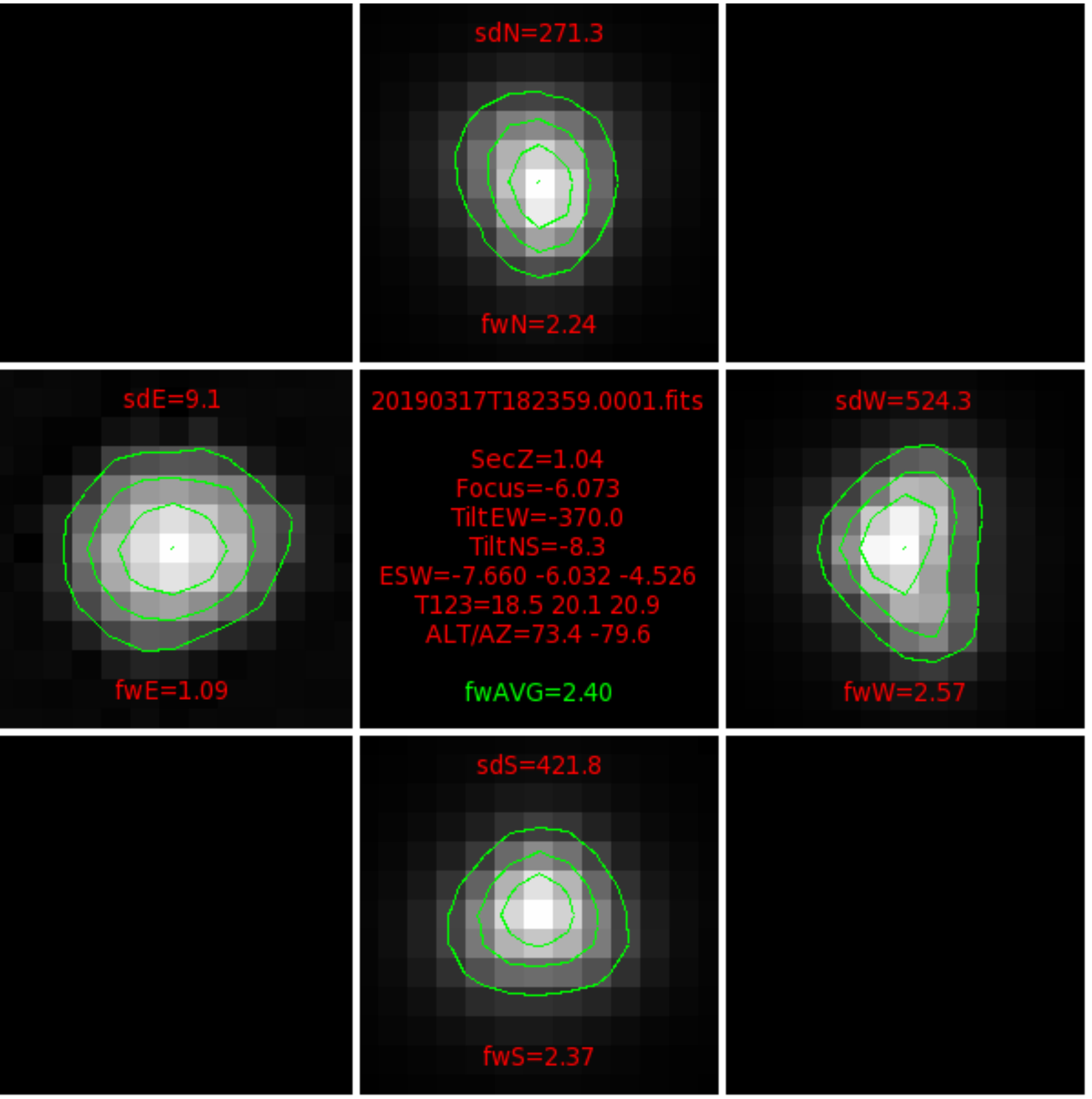
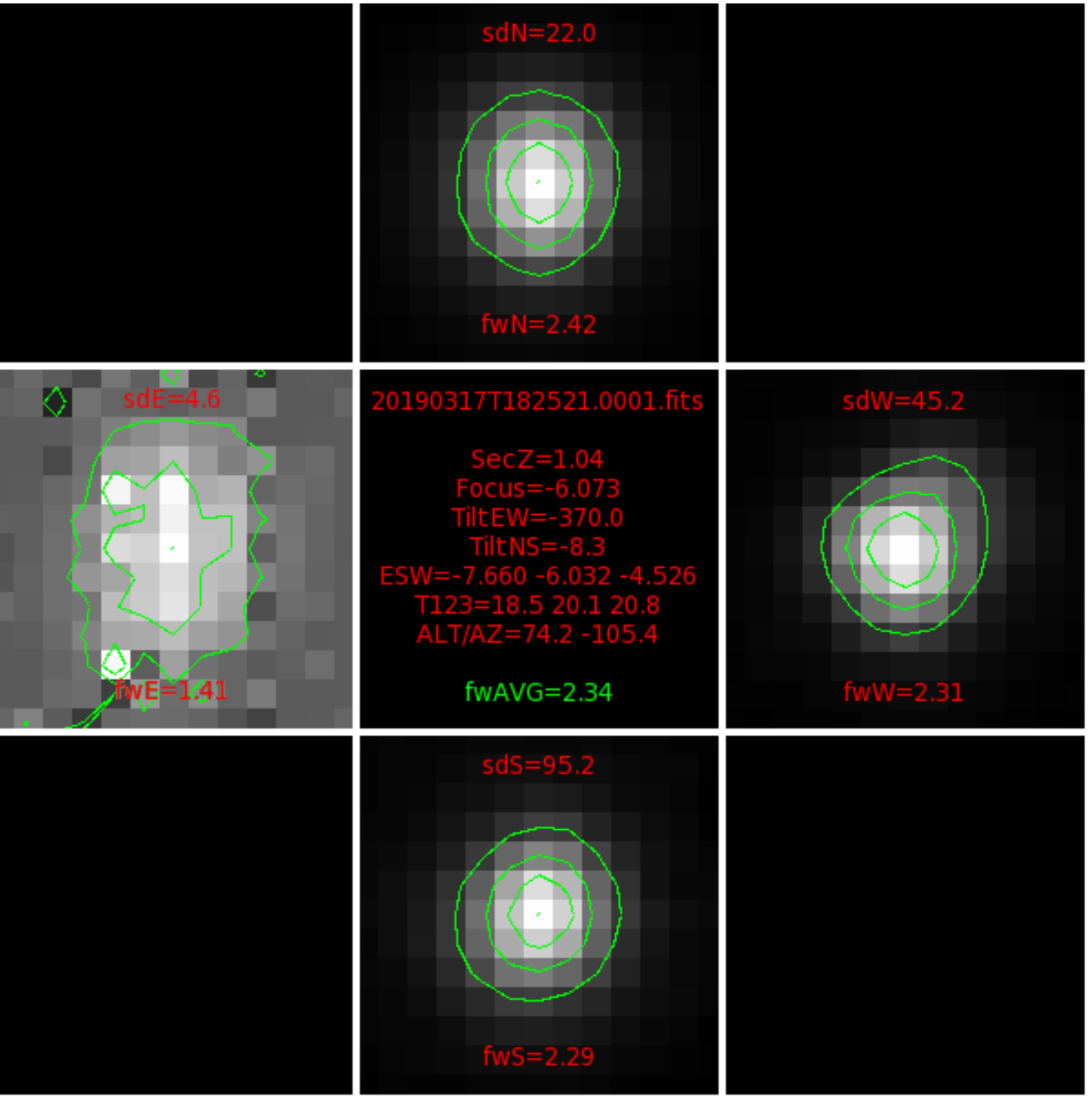

sdN=271.3
fwN=2.24
sdE=9.1
fwE=1.09
20190317T182359.0001.fits
SecZ=1.04
Focus=-6.073
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.660 -6.032 -4.526
T123=18.5 20.1 20.9
ALT/AZ=73.4 -79.6
fwAVG=2.40
sdW=524.3
fwW=2.57
sdS=421.8
fwS=2.37
0 0 0 0 0 0 0 0 0


sdN=22.0
fwN=2.42
sdE=4.6
fwE=1.41
20190317T182521.0001.fits
SecZ=1.04
Focus=-6.073
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.660 -6.032 -4.526
T123=18.5 20.1 20.8
ALT/AZ=74.2 -105.4
fwAVG=2.34
sdW=45.2
fwW=2.31
sdS=95.2
fwS=2.29
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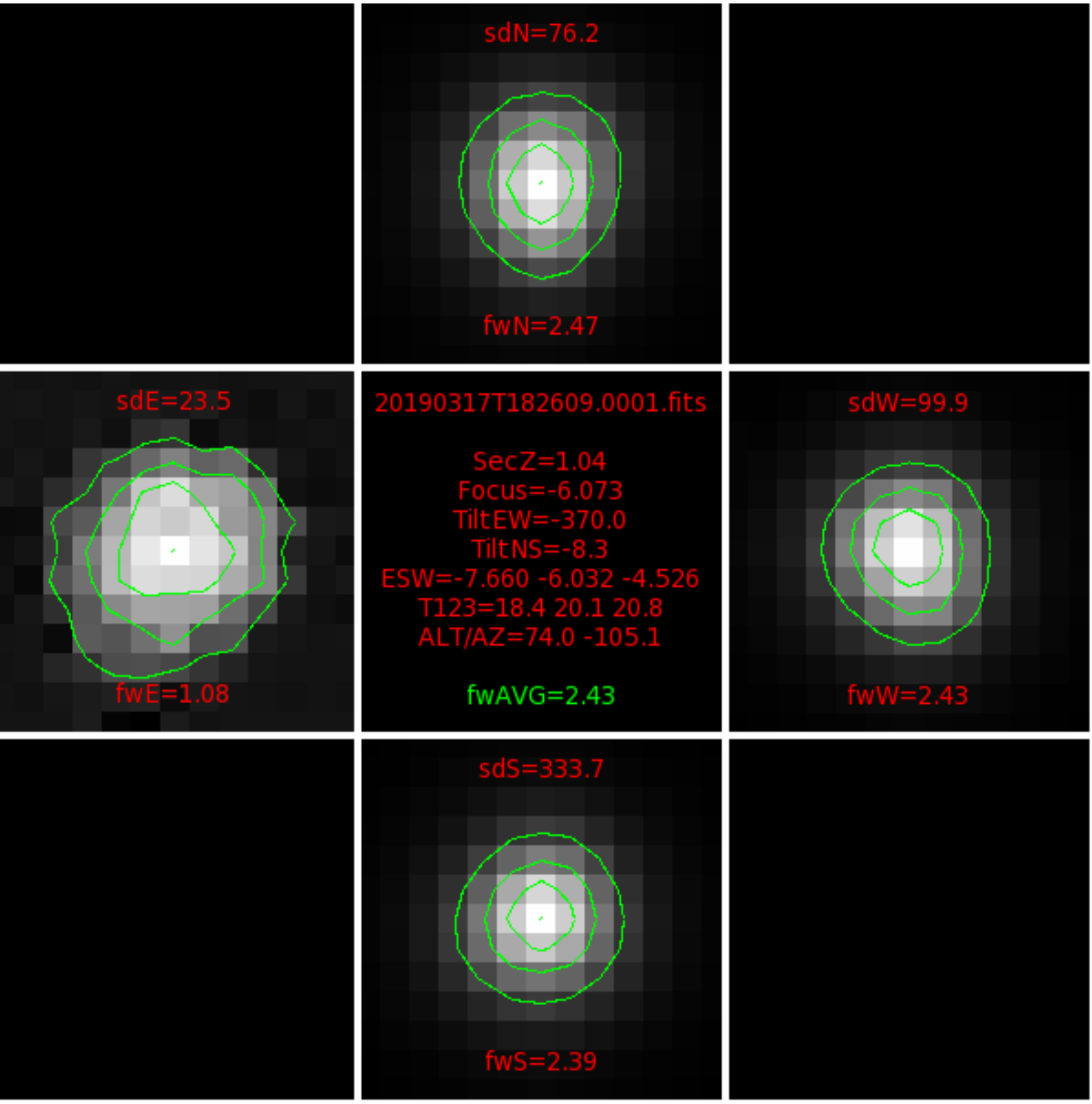
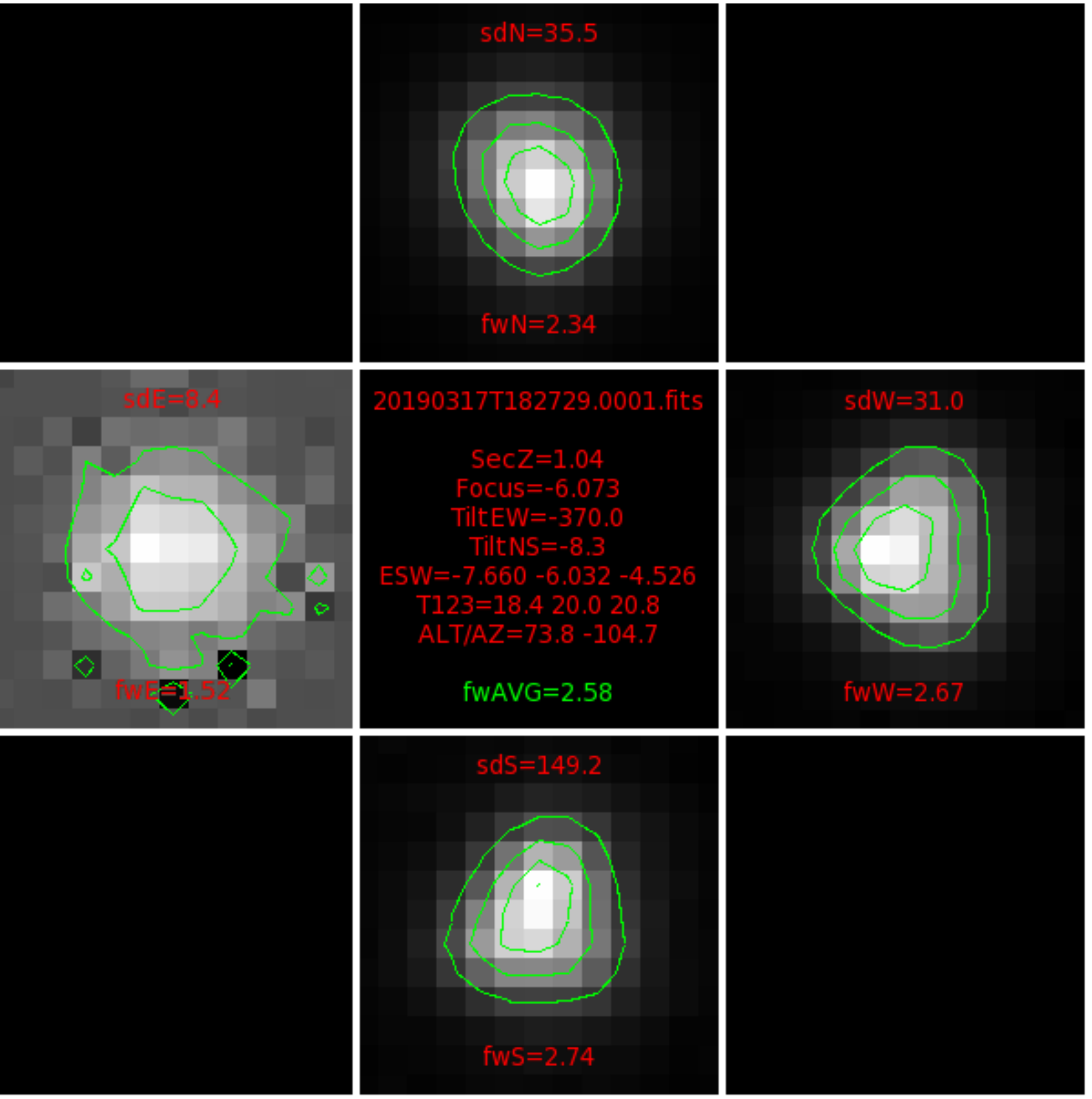
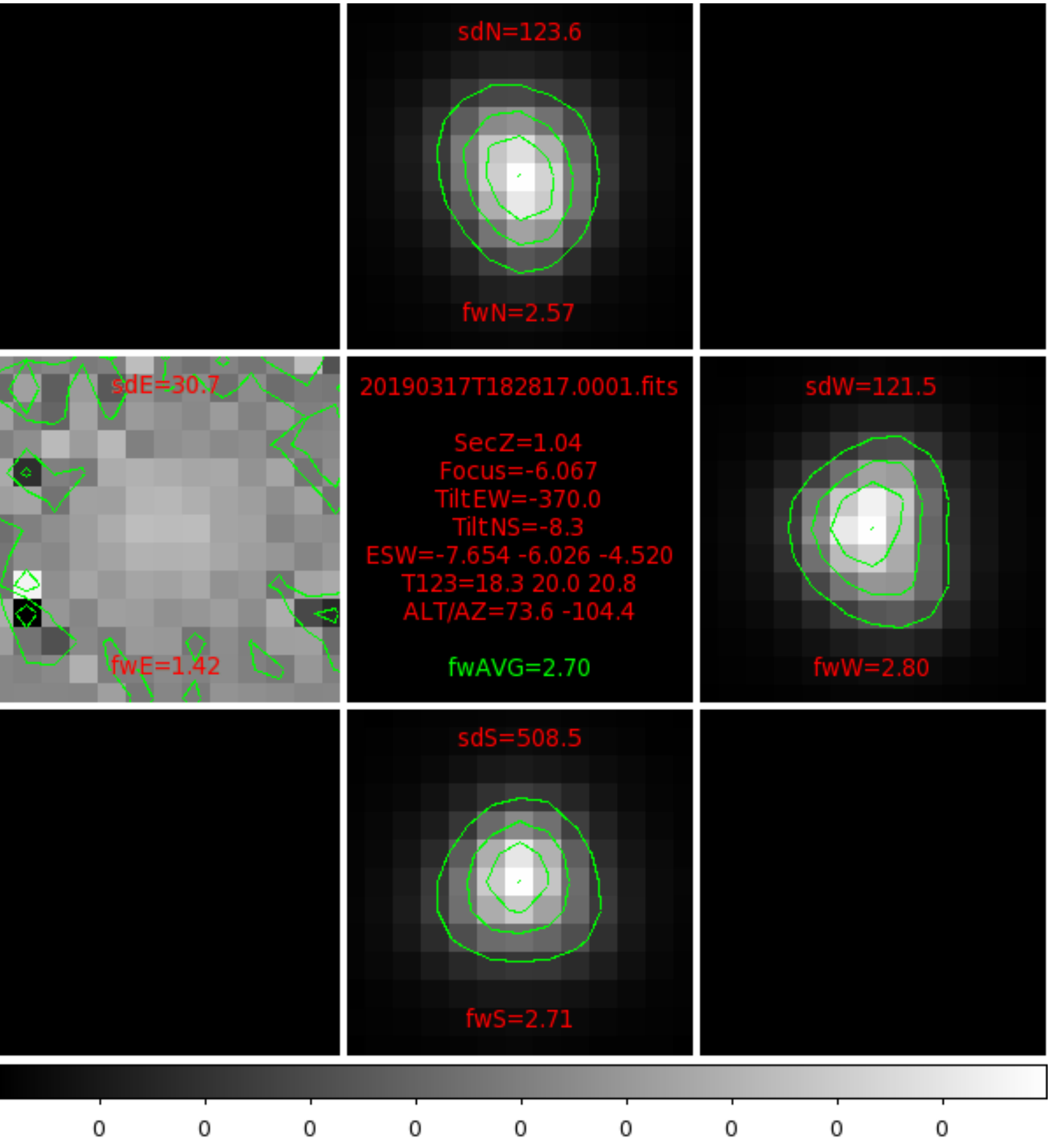

sdN=76.2
fwN=2.47
sdE=23.5
fwE=1.08
20190317T182609.0001.fits
SecZ=1.04
Focus=-6.073
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.660 -6.032 -4.526
T123=18.4 20.1 20.8
ALT/AZ=74.0 -105.1
fwAVG=2.43
sdW=99.9
fwW=2.43
sdS=333.7
fwS=2.39
0 0 0 0 0 0 0 0 0


sdN=35.5
fwN=2.34
sdE=8.4
fwE=1.52
20190317T182729.0001.fits
SecZ=1.04
Focus=-6.073
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.660 -6.032 -4.526
T123=18.4 20.0 20.8
ALT/AZ=73.8 -104.7
fwAVG=2.58
sdW=31.0
fwW=2.67
sdS=149.2
fwS=2.74
0 0 0 0 0 0 0 0 0


sdN=123.6
fwN=2.57
sdE=30.7
fwE=1.42
20190317T182817.0001.fits
SecZ=1.04
Focus=-6.067
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.654 -6.026 -4.520
T123=18.3 20.0 20.8
ALT/AZ=73.6 -104.4
fwAVG=2.70
sdW=121.5
fwW=2.80
sdS=508.5
fwS=2.71
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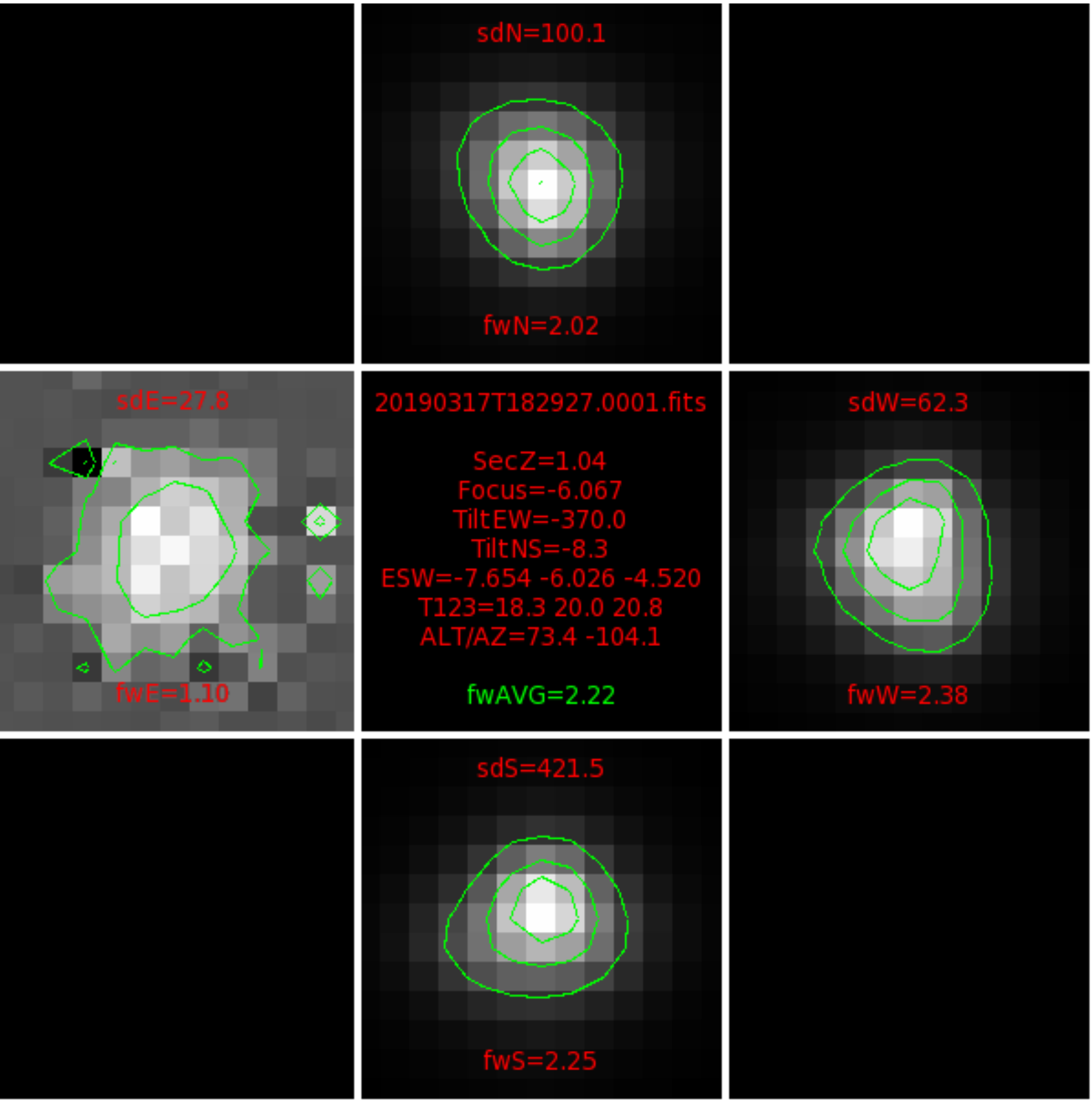
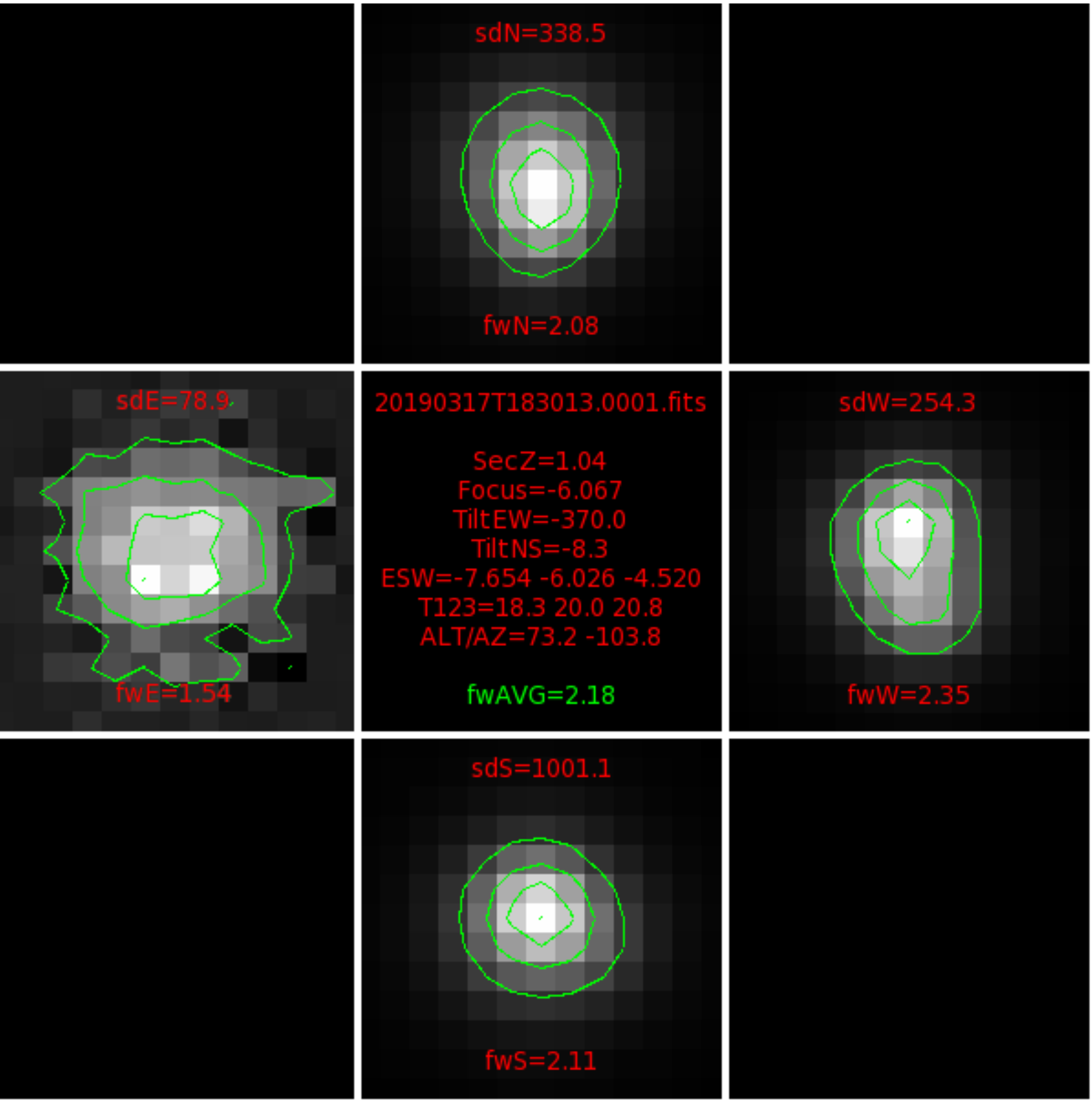

sdN=100.1
fwN=2.02
sdE=27.8
fwE=1.10
20190317T182927.0001.fits
SecZ=1.04
Focus=-6.067
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.654 -6.026 -4.520
T123=18.3 20.0 20.8
ALT/AZ=73.4 -104.1
fwAVG=2.22
sdW=62.3
fwW=2.38
sdS=421.5
fwS=2.25
0 0 0 0 0 0 0 0 0


sdN=338.5
fwN=2.08
sdE=78.9
fwE=1.54
20190317T183013.0001.fits
SecZ=1.04
Focus=-6.067
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.654 -6.026 -4.520
T123=18.3 20.0 20.8
ALT/AZ=73.2 -103.8
fwAVG=2.18
sdW=254.3
fwW=2.35
sdS=1001.1
fwS=2.11
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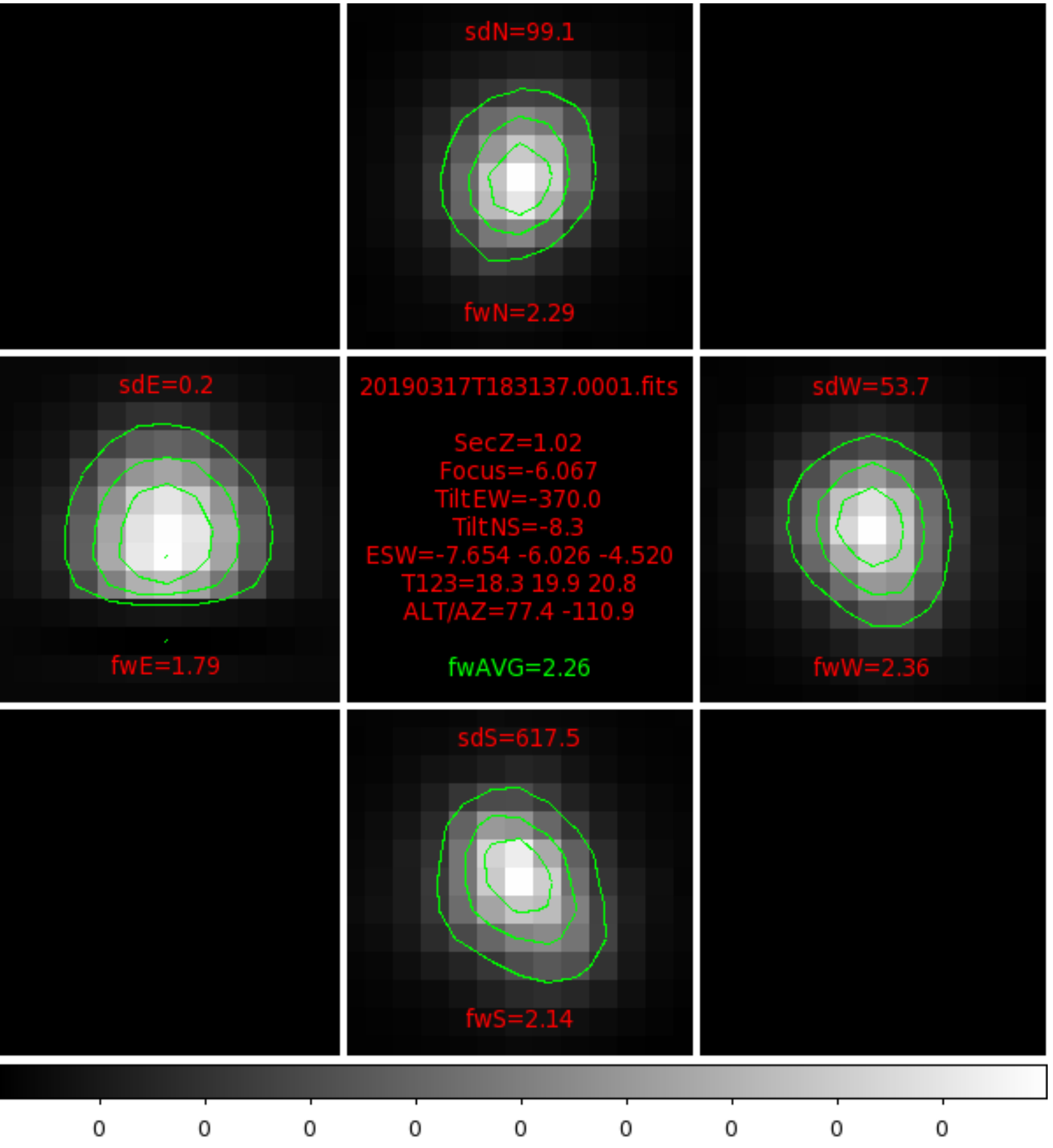
sdN=99.1
fwN=2.29
sdE=0.2
fwE=1.79
20190317T183137.0001.fits
SecZ=1.02
Focus=-6.067
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.654 -6.026 -4.520
T123=18.3 19.9 20.8
ALT/AZ=77.4 -110.9
fwAVG=2.26
sdW=53.7
fwW=2.36
sdS=617.5
fwS=2.14
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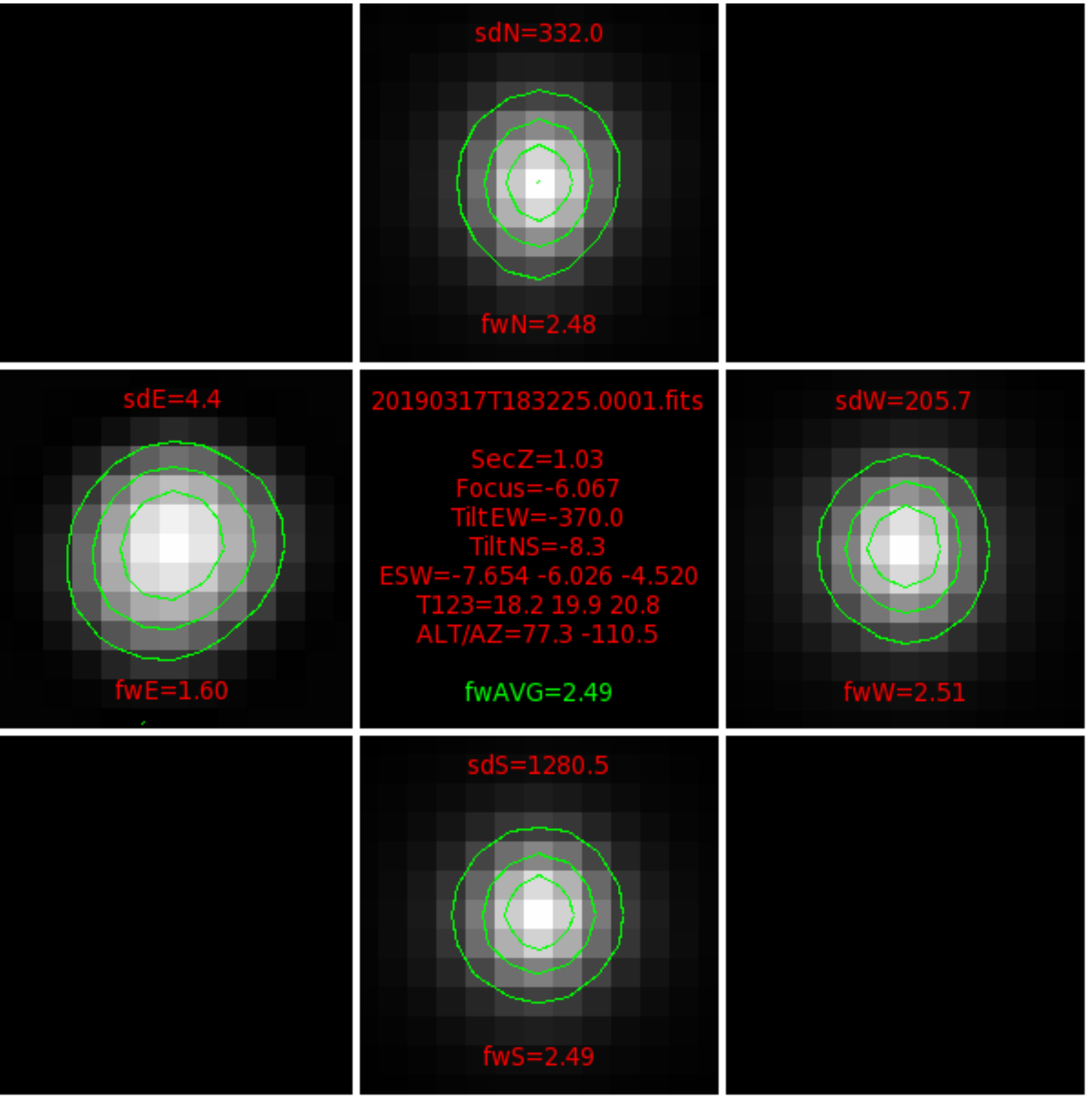
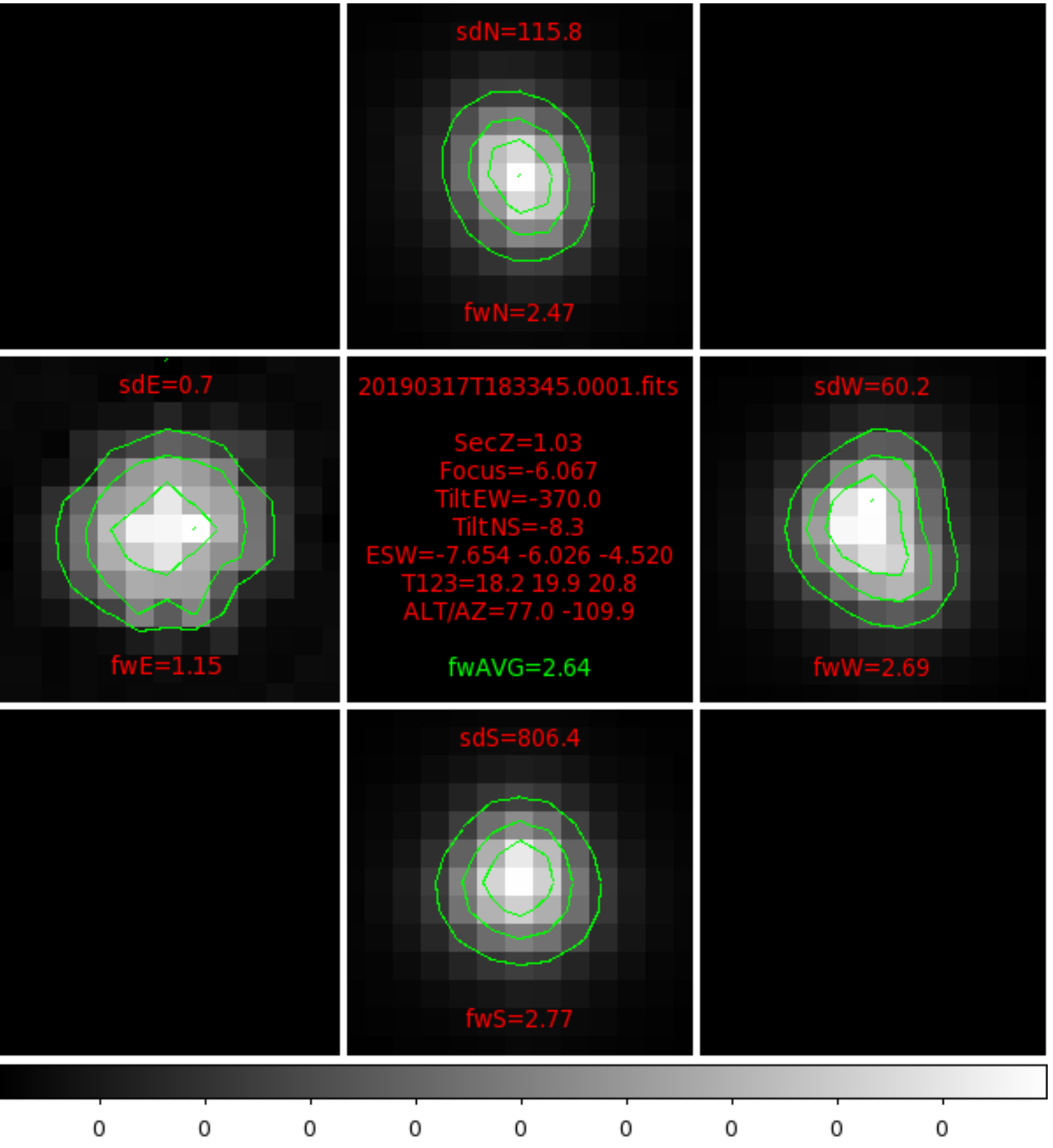

sdN=332.0
fwN=2.48
sdE=4.4
fwE=1.60
20190317T183225.0001.fits
SecZ=1.03
Focus=-6.067
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.654 -6.026 -4.520
T123=18.2 19.9 20.8
ALT/AZ=77.3 -110.5
fwAVG=2.49
sdW=205.7
fwW=2.51
sdS=1280.5
fwS=2.49
0 0 0 0 0 0 0 0 0


sdN=115.8
fwN=2.47
sdE=0.7
fwE=1.15
20190317T183345.0001.fits
SecZ=1.03
Focus=-6.067
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.654 -6.026 -4.520
T123=18.2 19.9 20.8
ALT/AZ=77.0 -109.9
fwAVG=2.64
sdW=60.2
fwW=2.69
sdS=806.4
fwS=2.77
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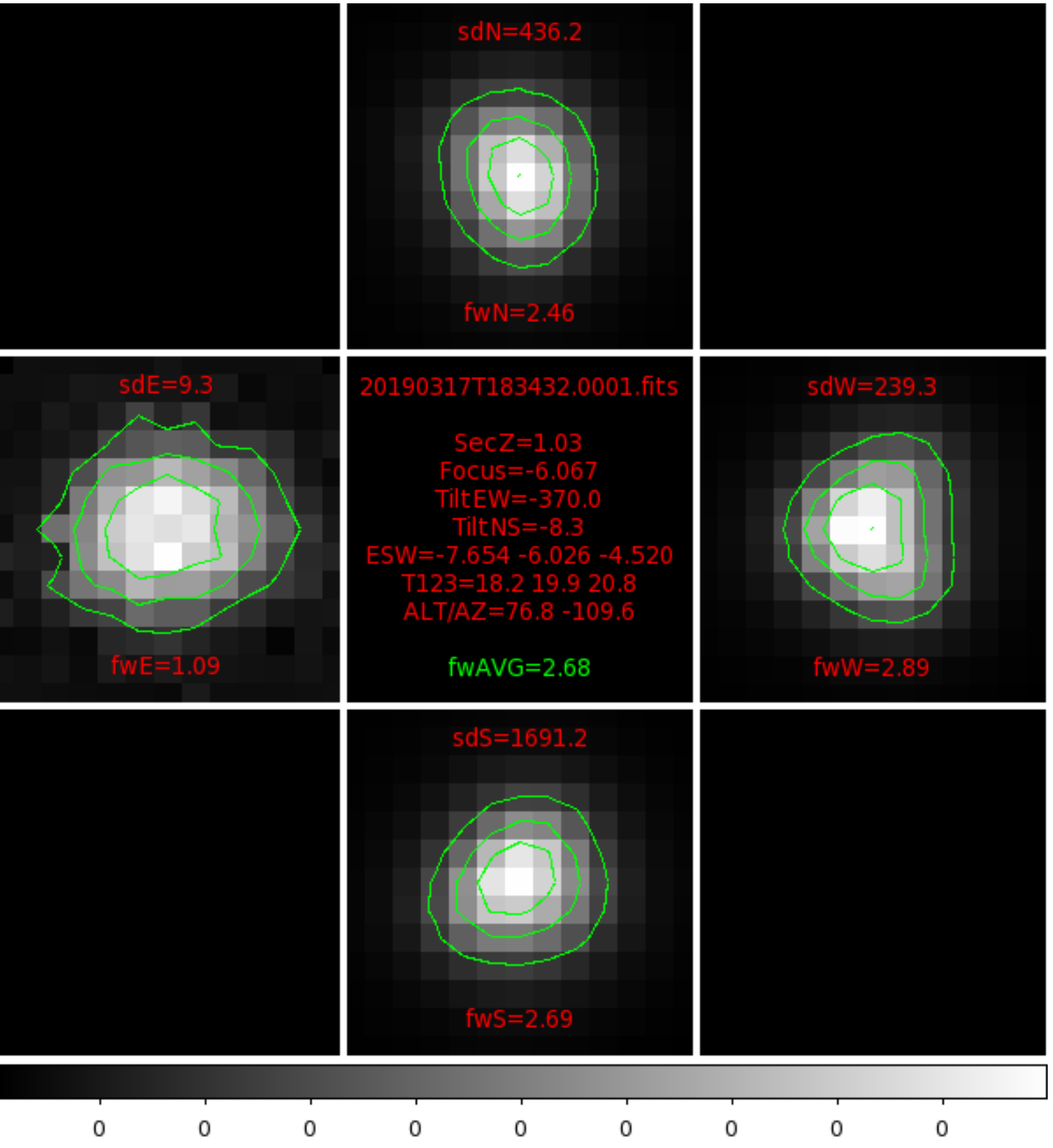
sdN=436.2
fwN=2.46
sdE=9.3
fwE=1.09
20190317T183432.0001.fits
SecZ=1.03
Focus=-6.067
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.654 -6.026 -4.520
T123=18.2 19.9 20.8
ALT/AZ=76.8 -109.6
fwAVG=2.68
sdW=239.3
fwW=2.89
sdS=1691.2
fwS=2.69
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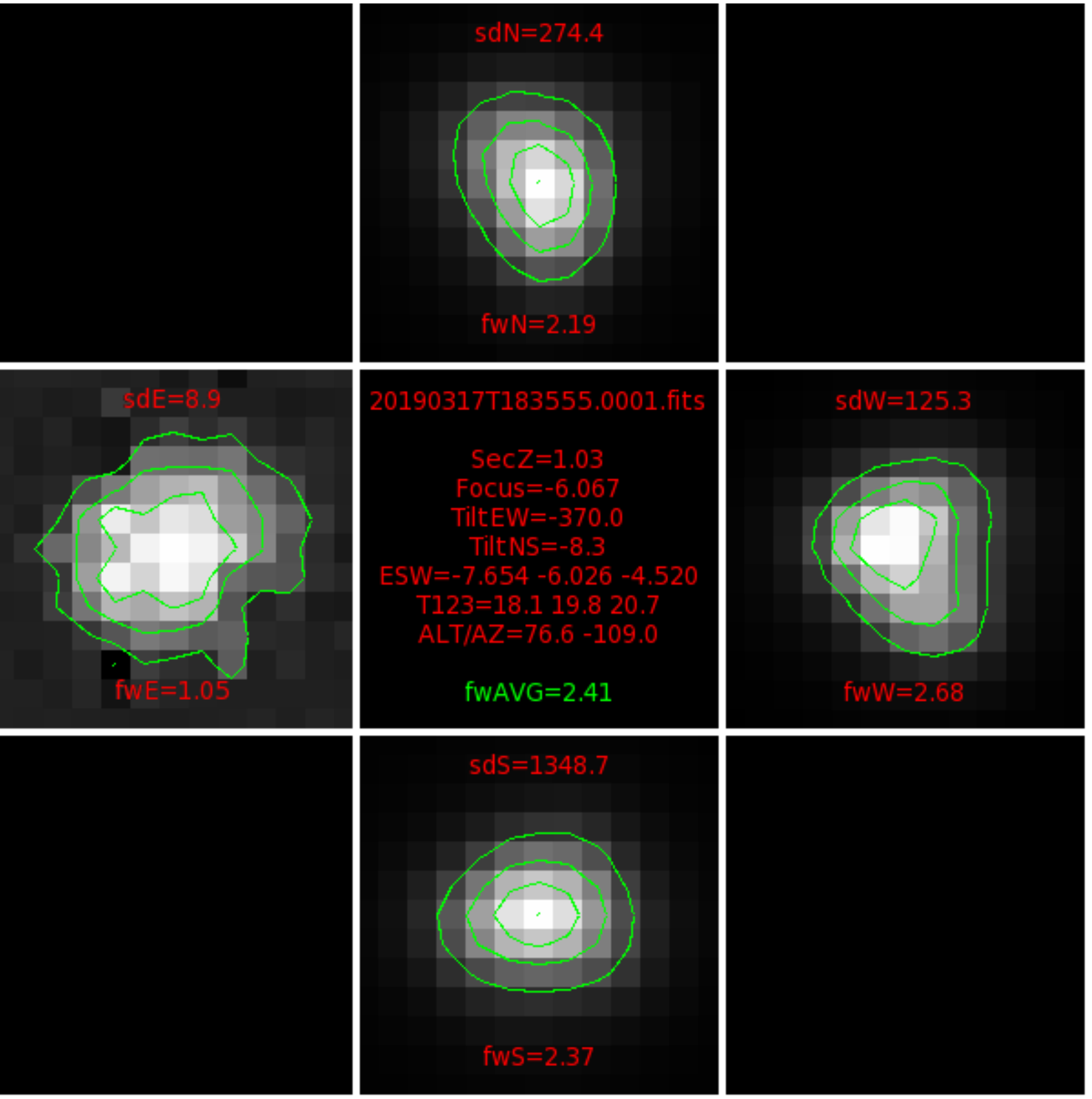
sdN=274.4
fwN=2.19
sdE=8.9
fwE=1.05
20190317T183555.0001.fits
SecZ=1.03
Focus=-6.067
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.654 -6.026 -4.520
T123=18.1 19.8 20.7
ALT/AZ=76.6 -109.0
fwAVG=2.41
sdW=125.3
fwW=2.68
sdS=1348.7
fwS=2.37
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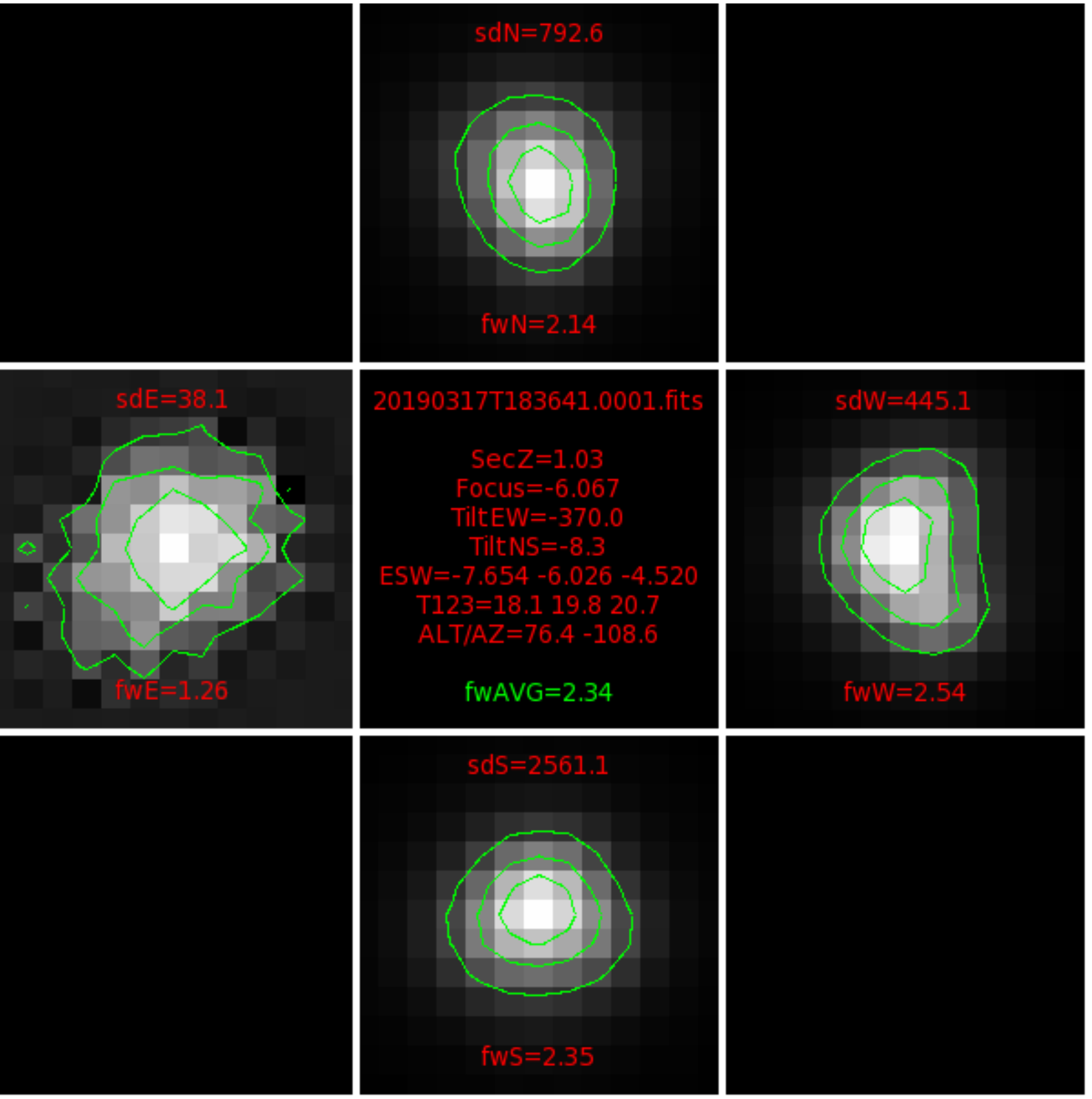
sdN=792.6
fwN=2.14
sdE=38.1
fwE=1.26
20190317T183641.0001.fits
SecZ=1.03
Focus=-6.067
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.654 -6.026 -4.520
T123=18.1 19.8 20.7
ALT/AZ=76.4 -108.6
fwAVG=2.34
sdW=445.1
fwW=2.54
sdS=2561.1
fwS=2.35
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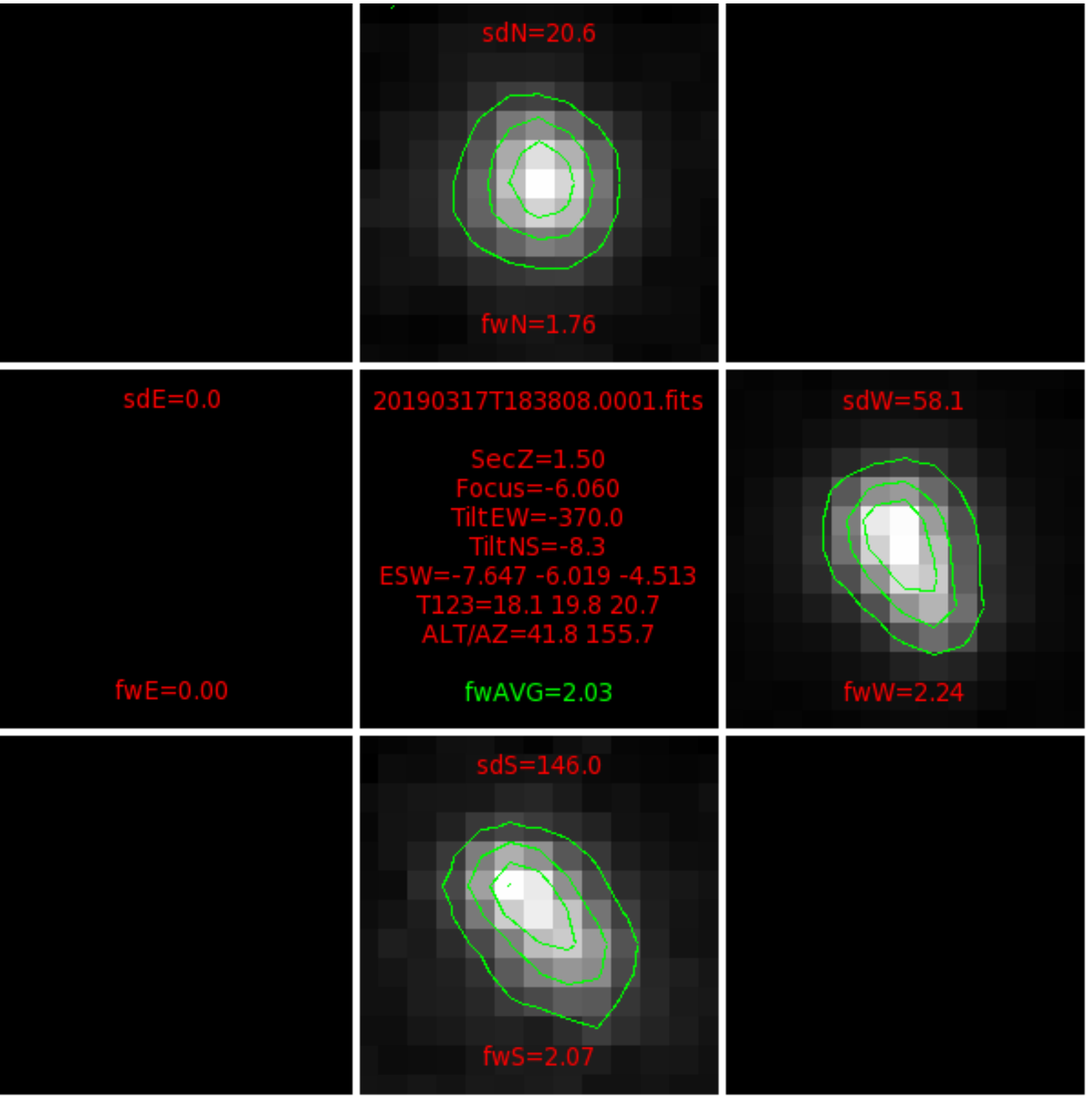
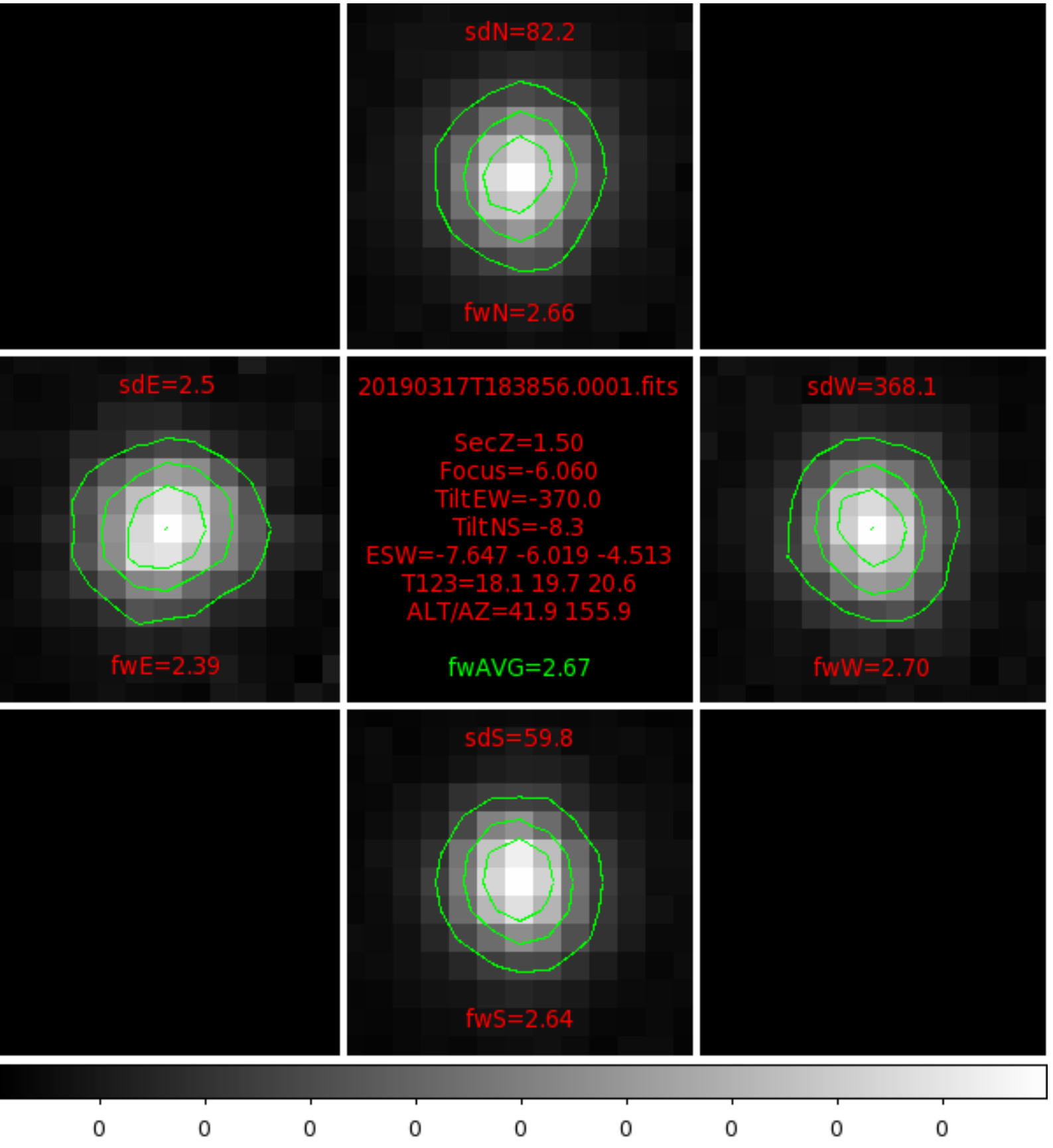
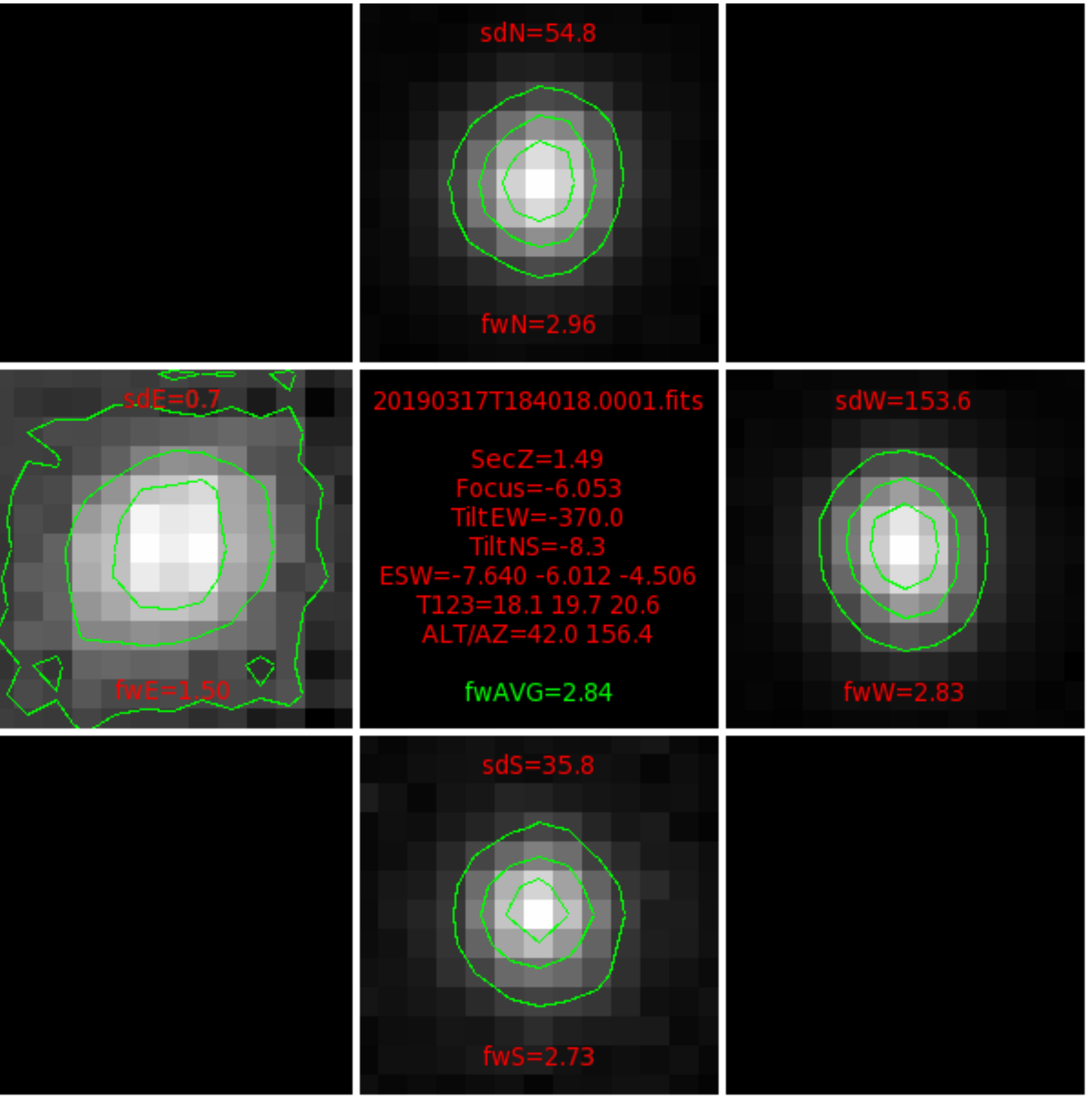
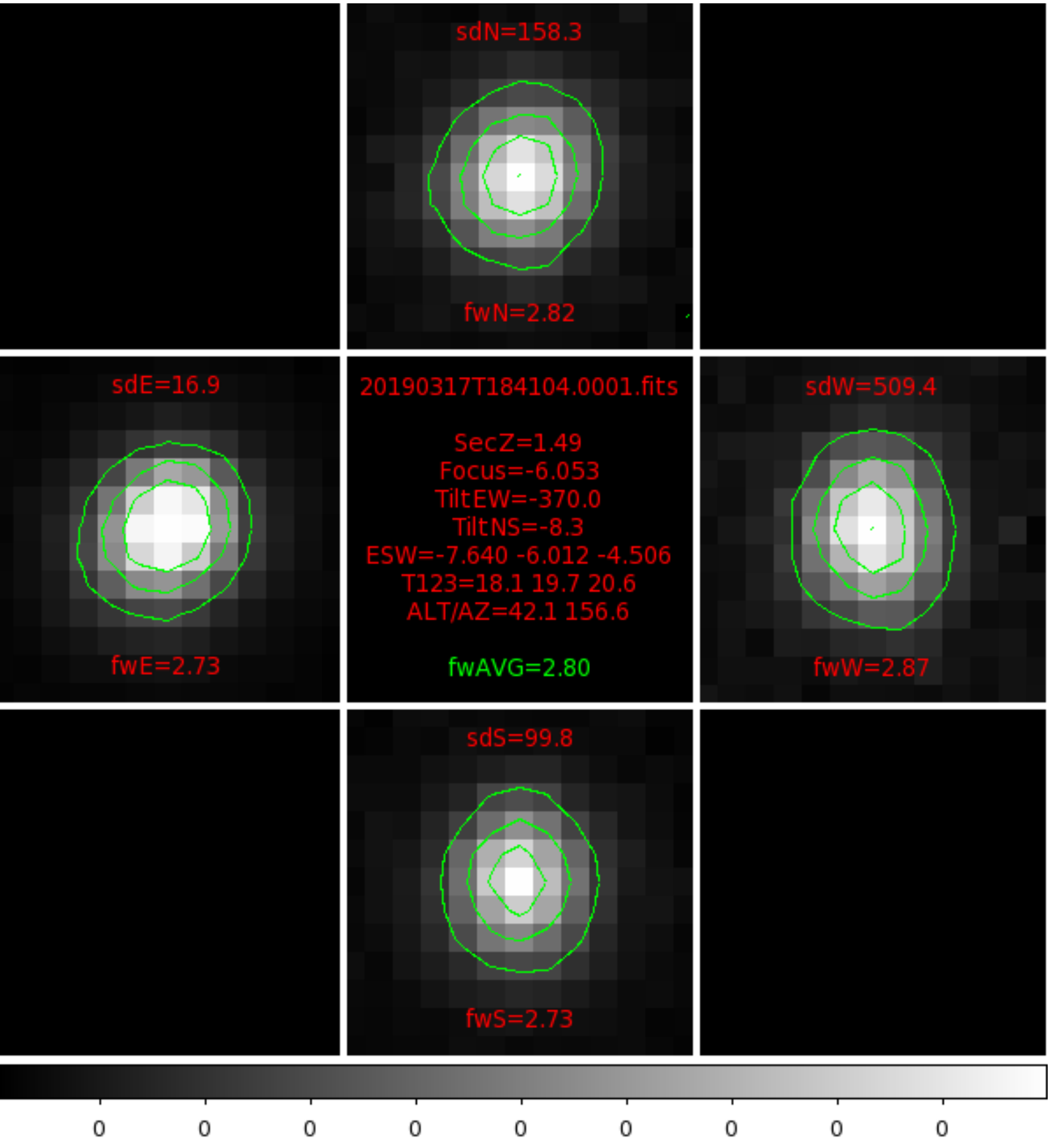
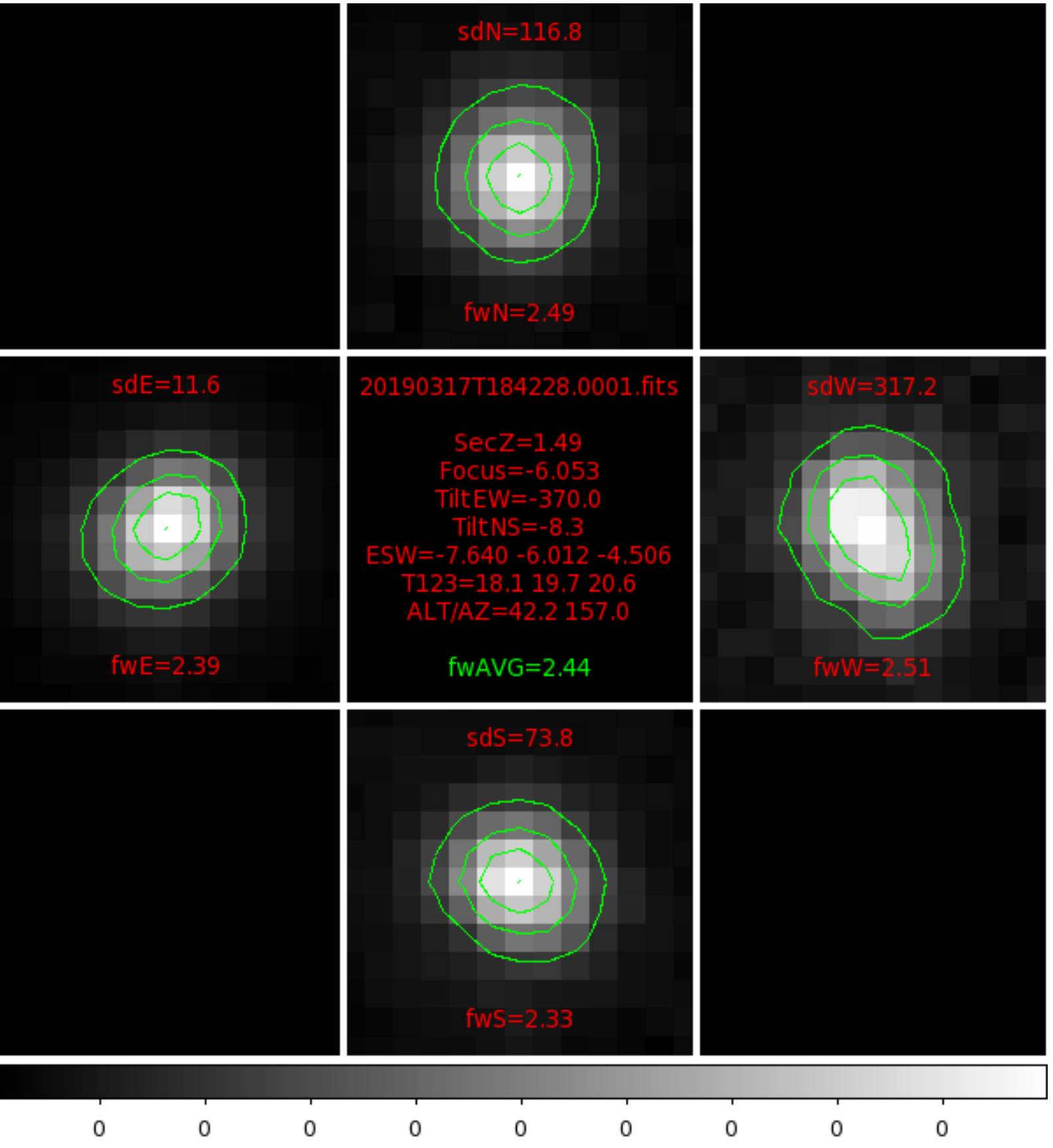
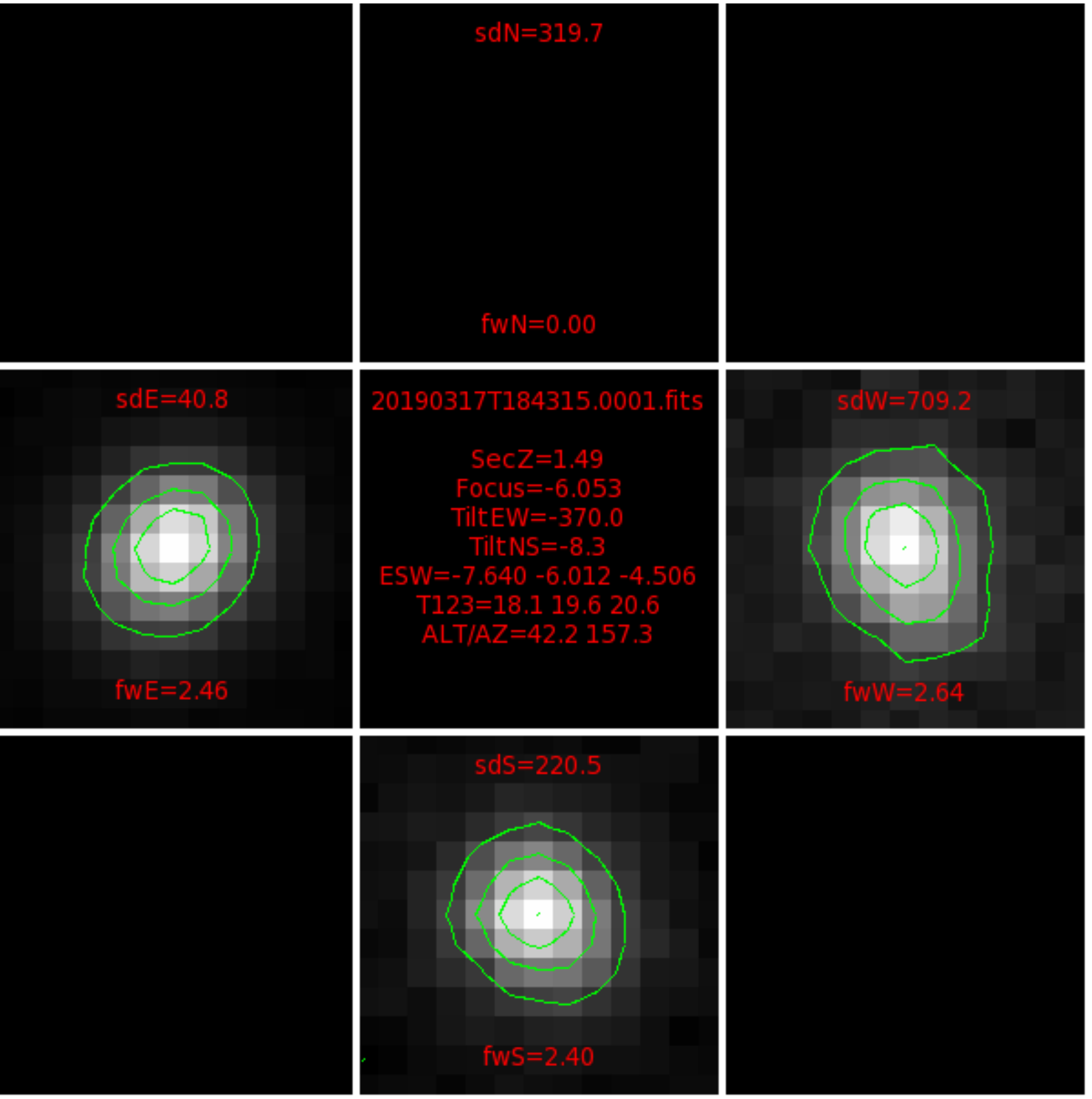

sdN=20.6
fwN=1.76
sdE=0.0
fwE=0.00
20190317T183808.0001.fits
SecZ=1.50
Focus=-6.060
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.647 -6.019 -4.513
T123=18.1 19.8 20.7
ALT/AZ=41.8 155.7
fwAVG=2.03
sdW=58.1
fwW=2.24
sdS=146.0
fwS=2.07
0 0 0 0 0 0 0 0 0


sdN=82.2
fwN=2.66
sdE=2.5
fwE=2.39
20190317T183856.0001.fits
SecZ=1.50
Focus=-6.060
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.647 -6.019 -4.513
T123=18.1 19.7 20.6
ALT/AZ=41.9 155.9
fwAVG=2.67
sdW=368.1
fwW=2.70
sdS=59.8
fwS=2.64
0 0 0 0 0 0 0 0 0


sdN=54.8
fwN=2.96
sdE=0.7
fwE=1.50
20190317T184018.0001.fits
SecZ=1.49
Focus=-6.053
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.640 -6.012 -4.506
T123=18.1 19.7 20.6
ALT/AZ=42.0 156.4
fwAVG=2.84
sdW=153.6
fwW=2.83
sdS=35.8
fwS=2.73
0 0 0 0 0 0 0 0 0


sdN=158.3
fwN=2.82
sdE=16.9
fwE=2.73
20190317T184104.0001.fits
SecZ=1.49
Focus=-6.053
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.640 -6.012 -4.506
T123=18.1 19.7 20.6
ALT/AZ=42.1 156.6
fwAVG=2.80
sdW=509.4
fwW=2.87
sdS=99.8
fwS=2.73
0 0 0 0 0 0 0 0 0


sdN=116.8
fwN=2.49
sdE=11.6
fwE=2.39
20190317T184228.0001.fits
SecZ=1.49
Focus=-6.053
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.640 -6.012 -4.506
T123=18.1 19.7 20.6
ALT/AZ=42.2 157.0
fwAVG=2.44
sdW=317.2
fwW=2.51
sdS=73.8
fwS=2.33
0 0 0 0 0 0 0 0 0


sdN=319.7
fwN=0.00
sdE=40.8
20190317T184315.0001.fits
SecZ=1.49
Focus=-6.053
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.640 -6.012 -4.506
T123=18.1 19.6 20.6
ALT/AZ=42.2 157.3
sdW=709.2
fwE=2.46
fwW=2.64
sdS=220.5
fwS=2.40
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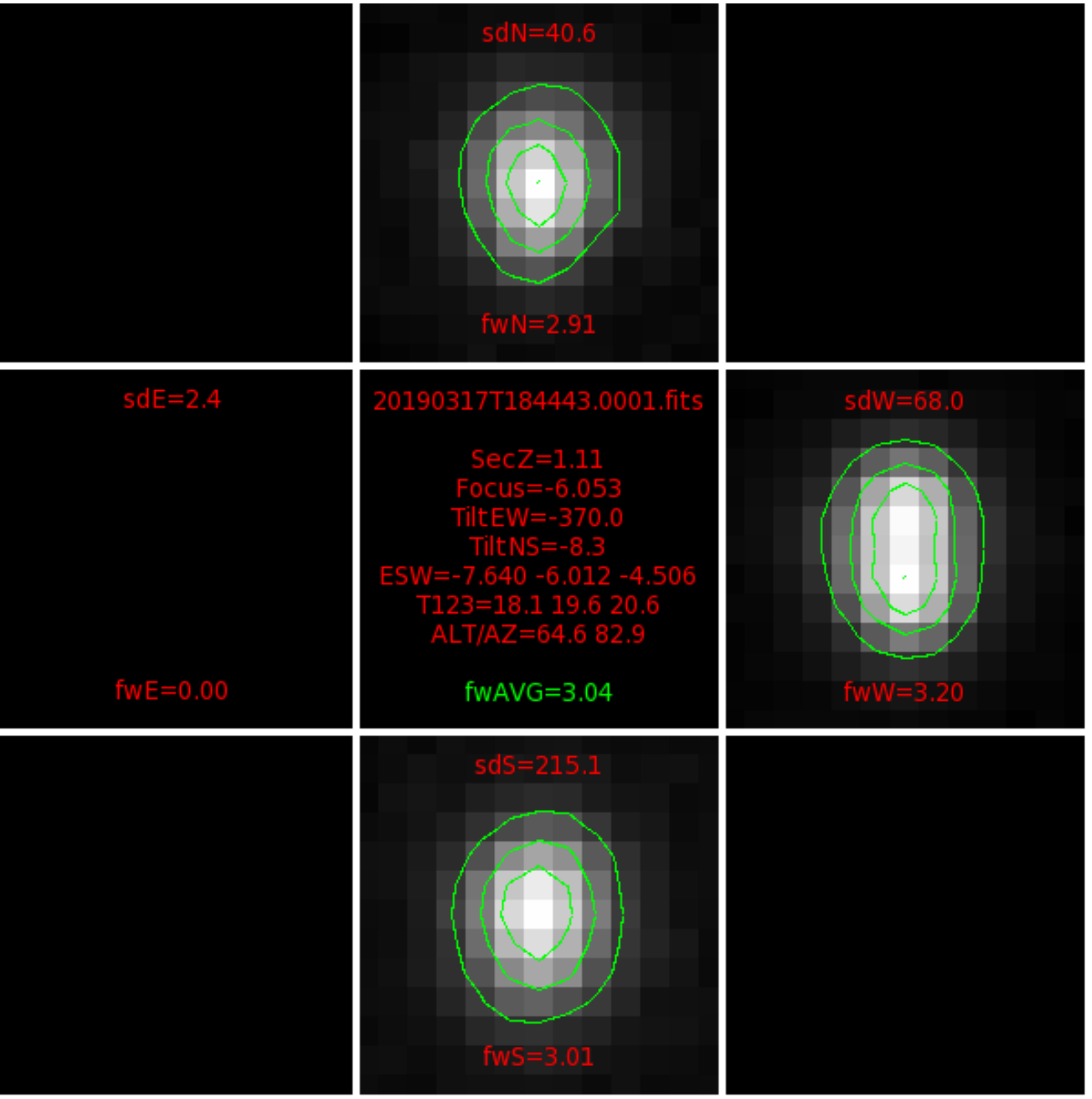
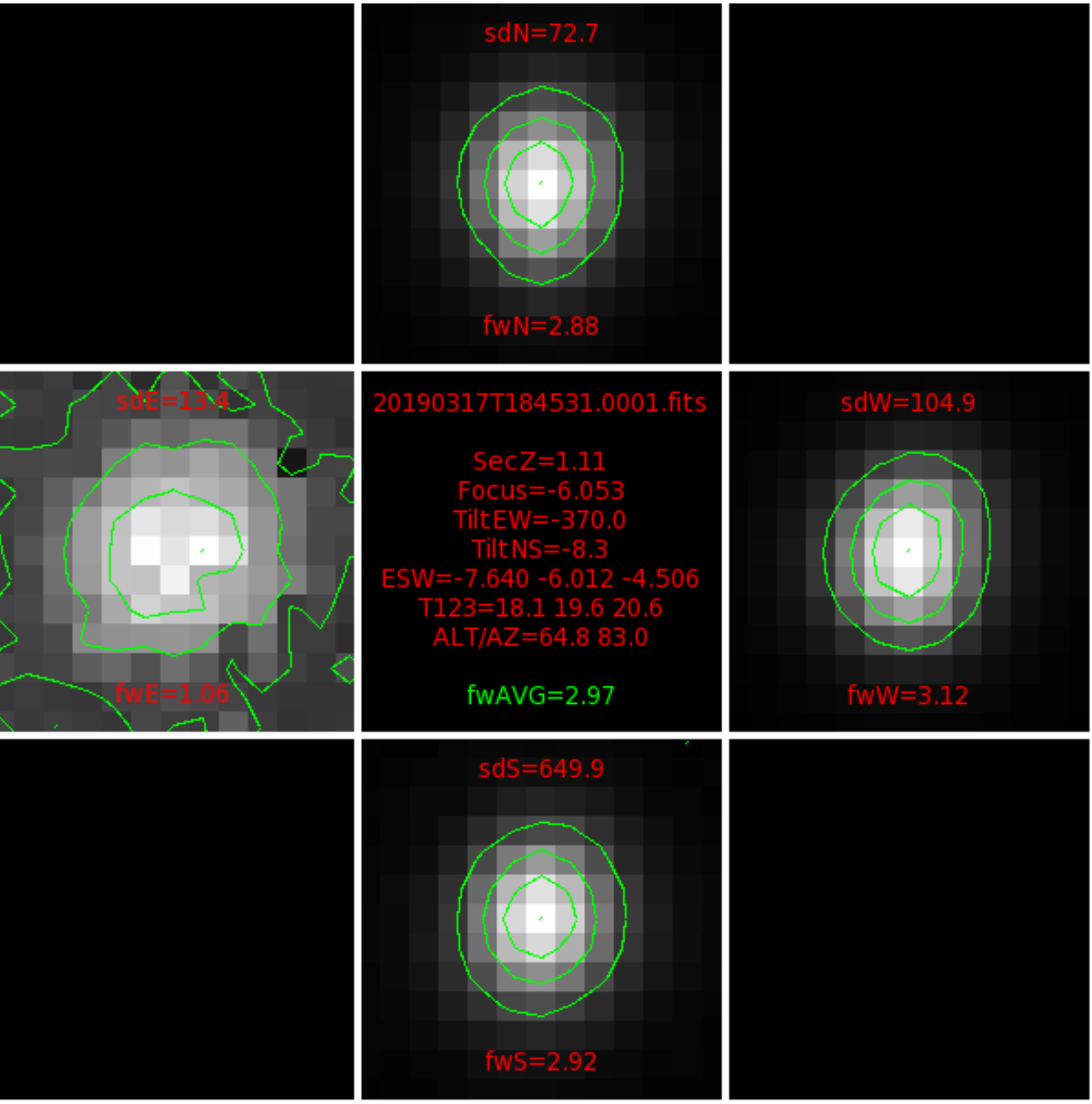

sdN=40.6
fwN=2.91
sdE=2.4
fwE=0.00
20190317T184443.0001.fits
SecZ=1.11
Focus=-6.053
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.640 -6.012 -4.506
T123=18.1 19.6 20.6
ALT/AZ=64.6 82.9
fwAVG=3.04
sdW=68.0
fwW=3.20
sdS=215.1
fwS=3.01
0 0 0 0 0 0 0 0 0


sdN=72.7
fwN=2.88
sdE=13.4
fwE=1.06
20190317T184531.0001.fits
SecZ=1.11
Focus=-6.053
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.640 -6.012 -4.506
T123=18.1 19.6 20.6
ALT/AZ=64.8 83.0
fwAVG=2.97
sdW=104.9
fwW=3.12
sdS=649.9
fwS=2.92
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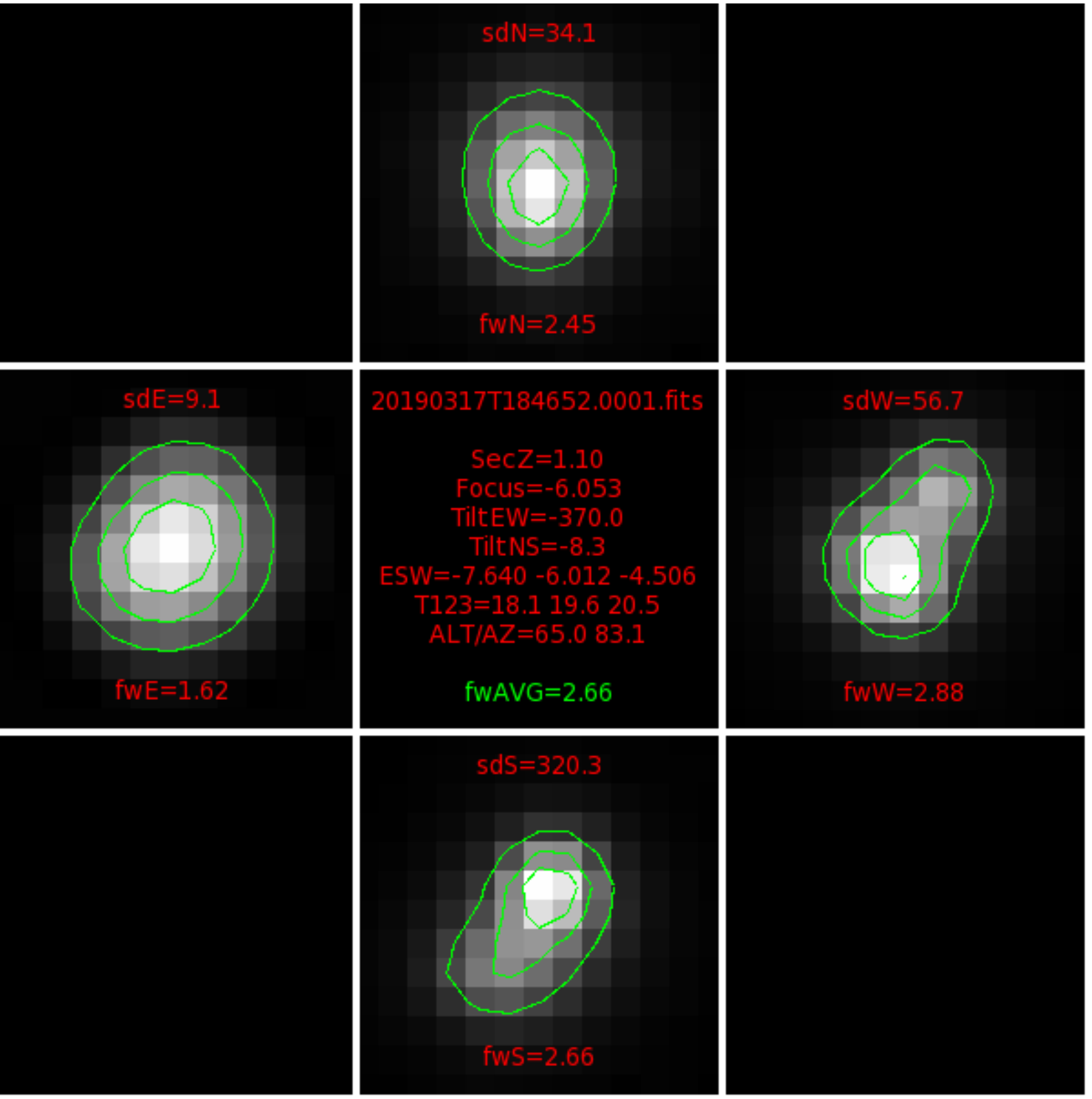
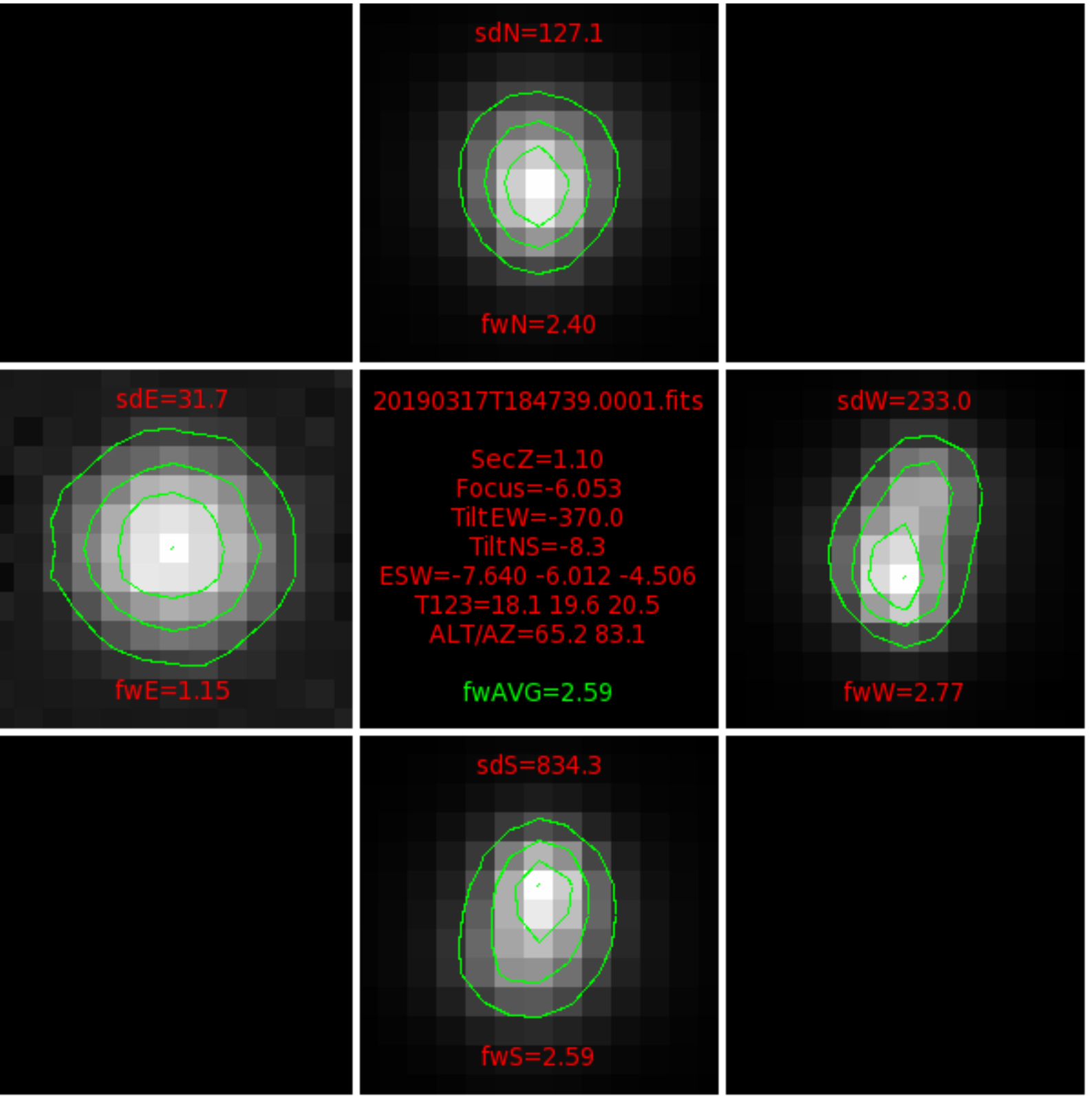

sdN=34.1
fwN=2.45
sdE=9.1
fwE=1.62
20190317T184652.0001.fits
SecZ=1.10
Focus=-6.053
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.640 -6.012 -4.506
T123=18.1 19.6 20.5
ALT/AZ=65.0 83.1
fwAVG=2.66
sdW=56.7
fwW=2.88
sdS=320.3
fwS=2.66
0 0 0 0 0 0 0 0 0


sdN=127.1
fwN=2.40
sdE=31.7
fwE=1.15
20190317T184739.0001.fits
SecZ=1.10
Focus=-6.053
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.640 -6.012 -4.506
T123=18.1 19.6 20.5
ALT/AZ=65.2 83.1
fwAVG=2.59
sdW=233.0
fwW=2.77
sdS=834.3
fwS=2.59
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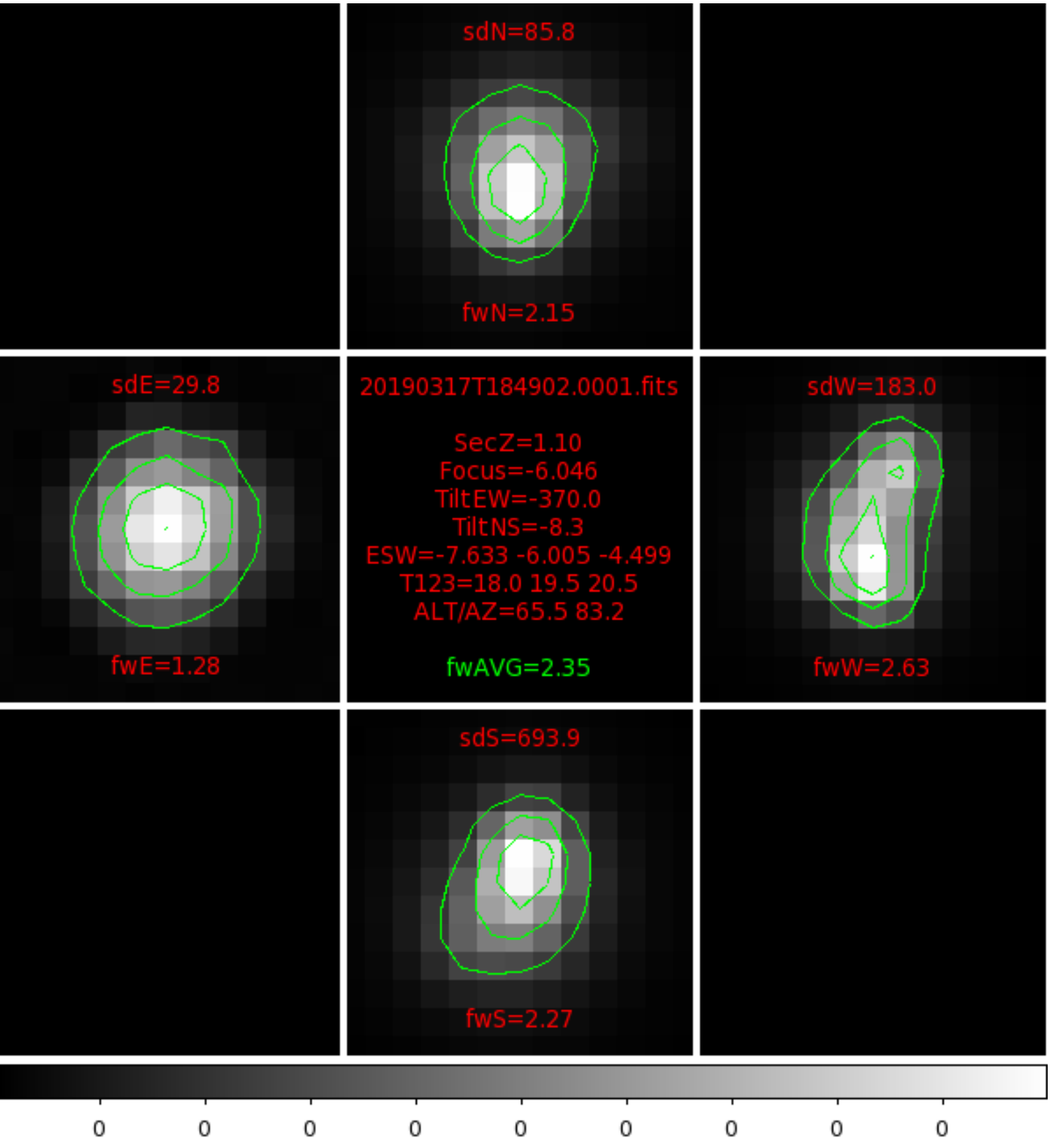
sdN=85.8
fwN=2.15
sdE=29.8
fwE=1.28
20190317T184902.0001.fits
SecZ=1.10
Focus=-6.046
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.633 -6.005 -4.499
T123=18.0 19.5 20.5
ALT/AZ=65.5 83.2
fwAVG=2.35
sdW=183.0
fwW=2.63
sdS=693.9
fwS=2.27
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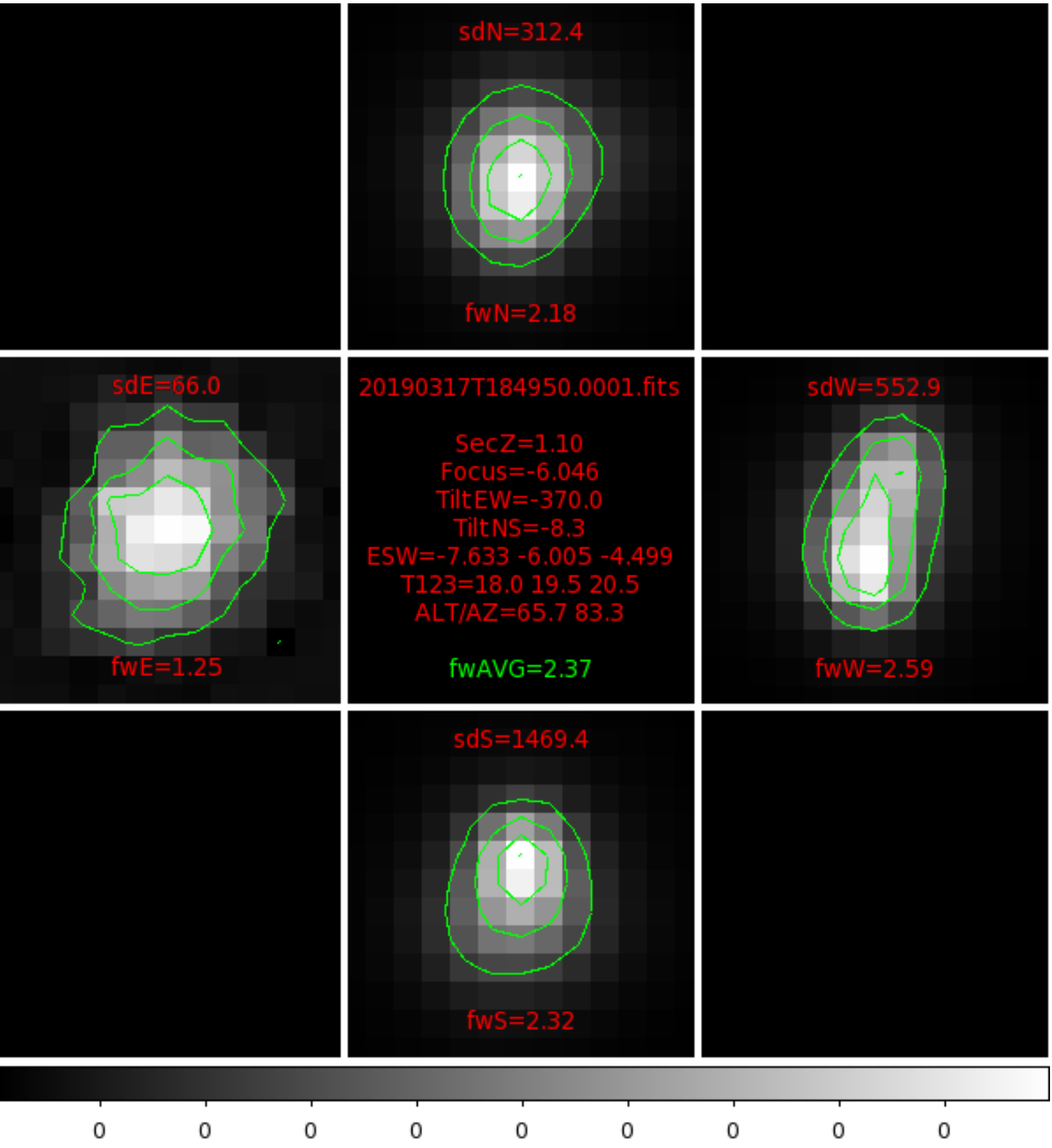
sdN=312.4
fwN=2.18
sdE=66.0
fwE=1.25
20190317T184950.0001.fits
SecZ=1.10
Focus=-6.046
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.633 -6.005 -4.499
T123=18.0 19.5 20.5
ALT/AZ=65.7 83.3
fwAVG=2.37
sdW=552.9
fwW=2.59
sdS=1469.4
fwS=2.32
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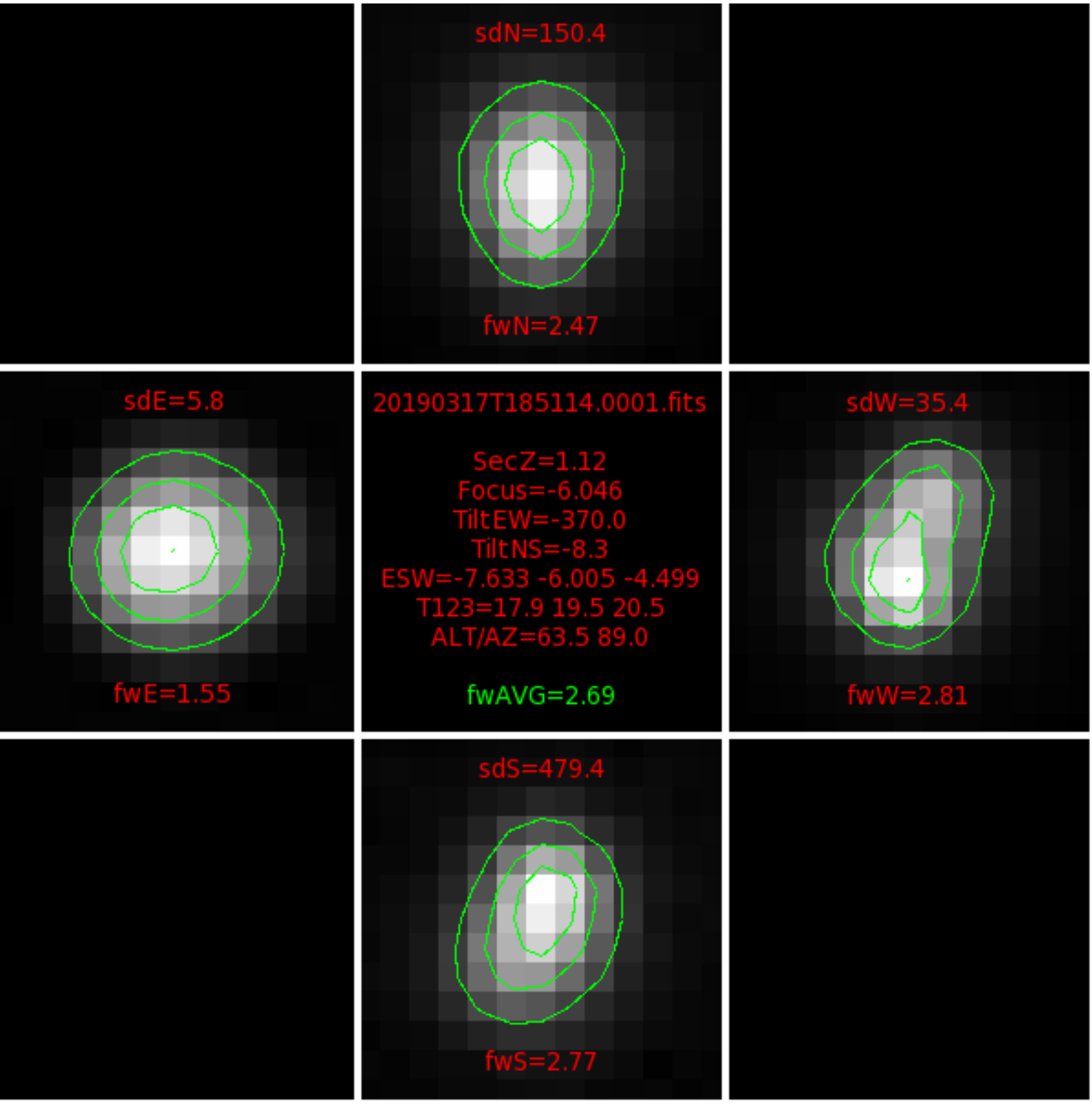
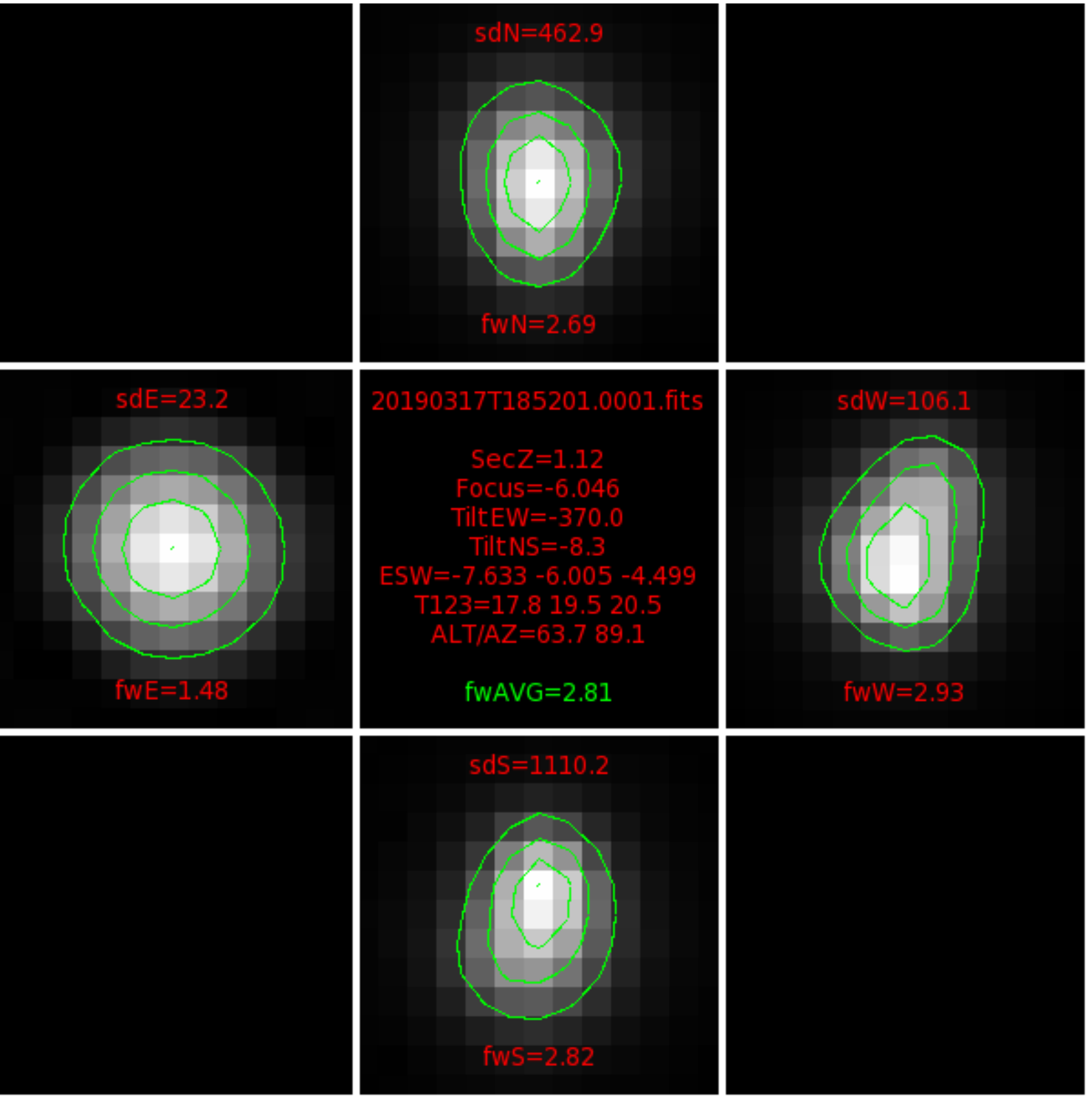

sdN=150.4
fwN=2.47
sdE=5.8
fwE=1.55
20190317T185114.0001.fits
SecZ=1.12
Focus=-6.046
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.633 -6.005 -4.499
T123=17.9 19.5 20.5
ALT/AZ=63.5 89.0
fwAVG=2.69
sdW=35.4
fwW=2.81
sdS=479.4
fwS=2.77
0 0 0 0 0 0 0 0 0


sdN=462.9
fwN=2.69
sdE=23.2
fwE=1.48
20190317T185201.0001.fits
SecZ=1.12
Focus=-6.046
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.633 -6.005 -4.499
T123=17.8 19.5 20.5
ALT/AZ=63.7 89.1
fwAVG=2.81
sdW=106.1
fwW=2.93
sdS=1110.2
fwS=2.82
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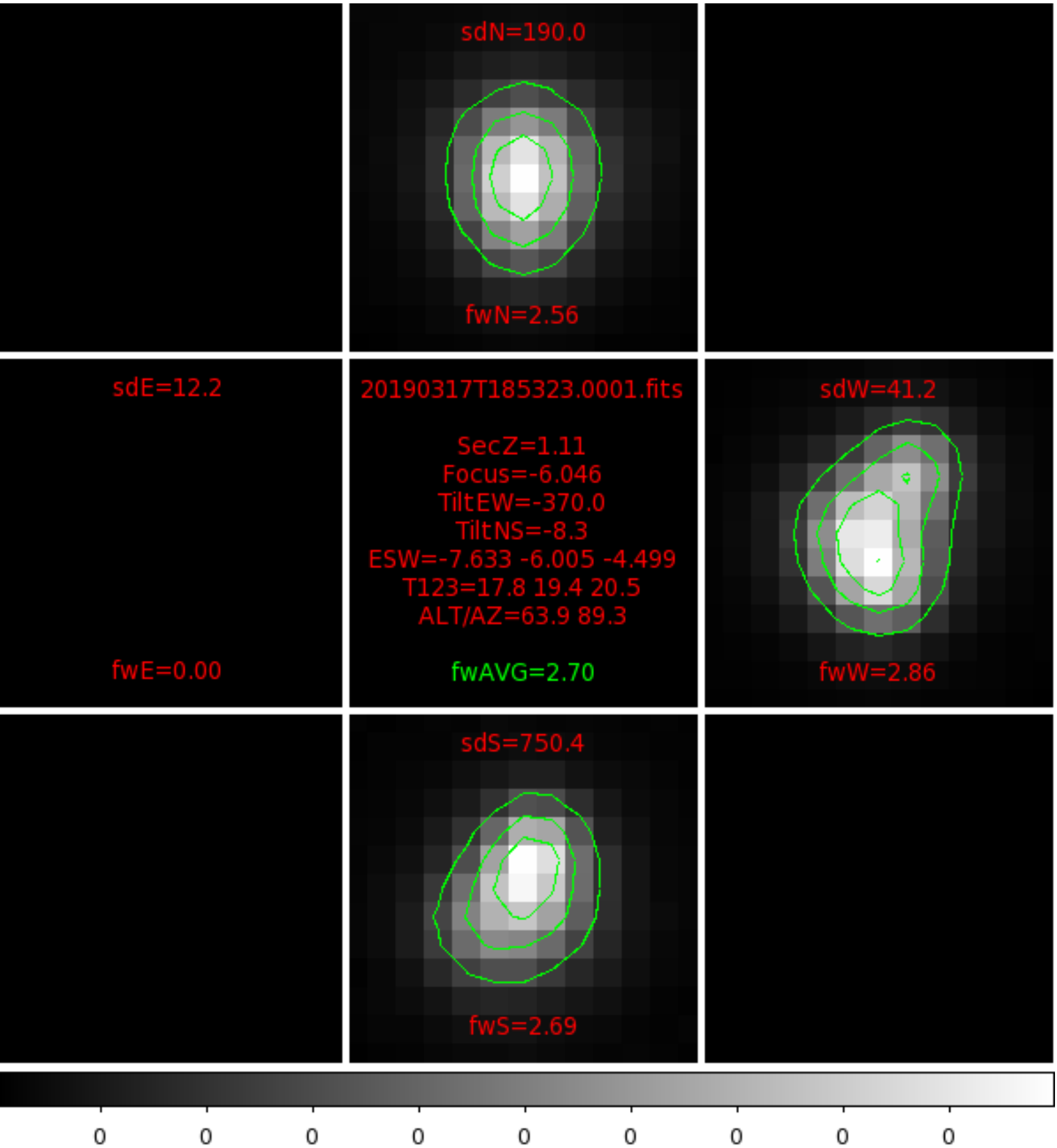
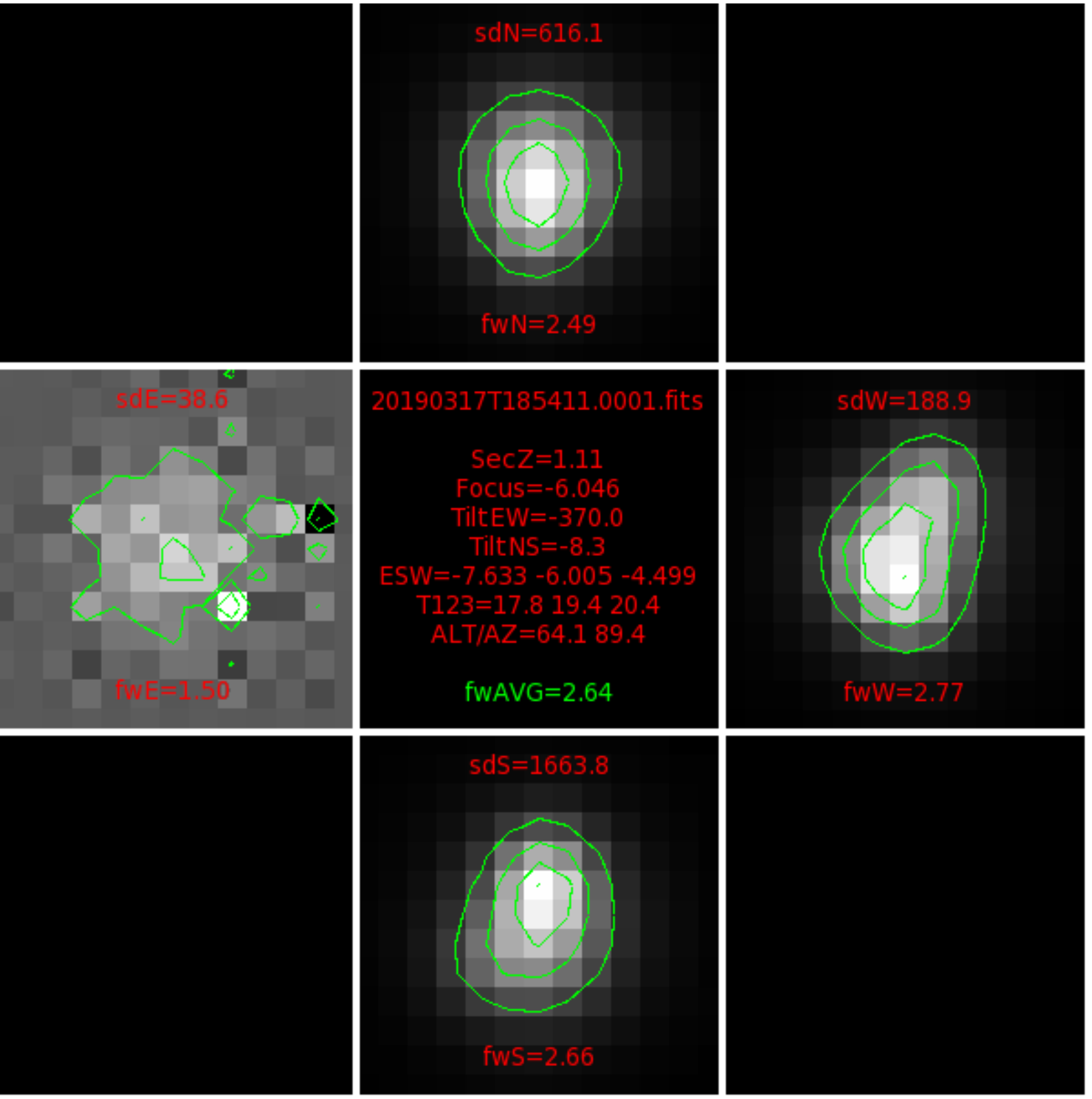
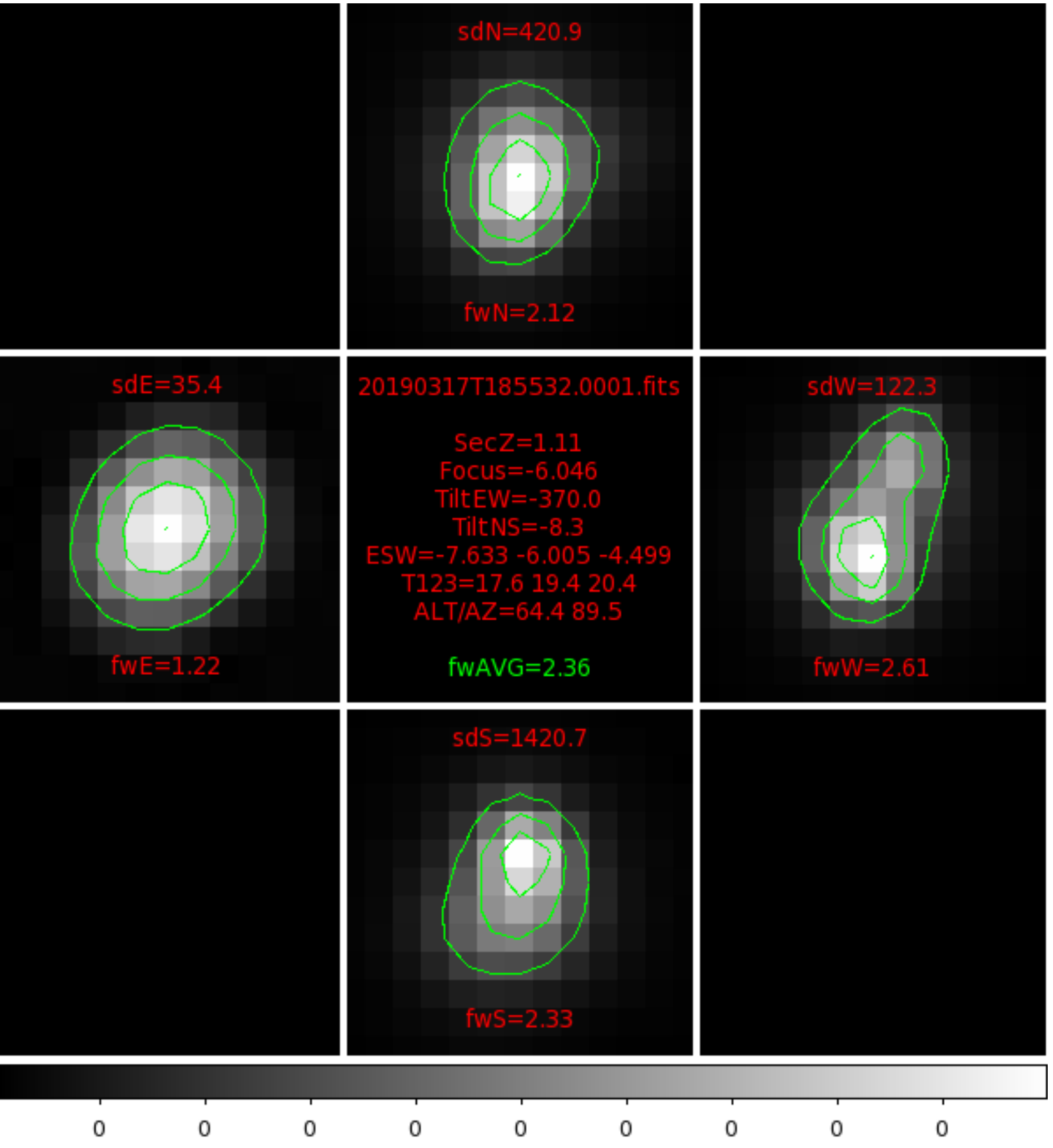

sdN=190.0
fwN=2.56
sdE=12.2
fwE=0.00
20190317T185323.0001.fits
SecZ=1.11
Focus=-6.046
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.633 -6.005 -4.499
T123=17.8 19.4 20.5
ALT/AZ=63.9 89.3
fwAVG=2.70
sdW=41.2
fwW=2.86
sdS=750.4
fwS=2.69
0 0 0 0 0 0 0 0 0


sdN=616.1
fwN=2.49
sdE=38.6
fwE=1.50
20190317T185411.0001.fits
SecZ=1.11
Focus=-6.046
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.633 -6.005 -4.499
T123=17.8 19.4 20.4
ALT/AZ=64.1 89.4
fwAVG=2.64
sdW=188.9
fwW=2.77
sdS=1663.8
fwS=2.66
0 0 0 0 0 0 0 0 0


sdN=420.9
fwN=2.12
sdE=35.4
fwE=1.22
20190317T185532.0001.fits
SecZ=1.11
Focus=-6.046
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.633 -6.005 -4.499
T123=17.6 19.4 20.4
ALT/AZ=64.4 89.5
fwAVG=2.36
sdW=122.3
fwW=2.61
sdS=1420.7
fwS=2.33
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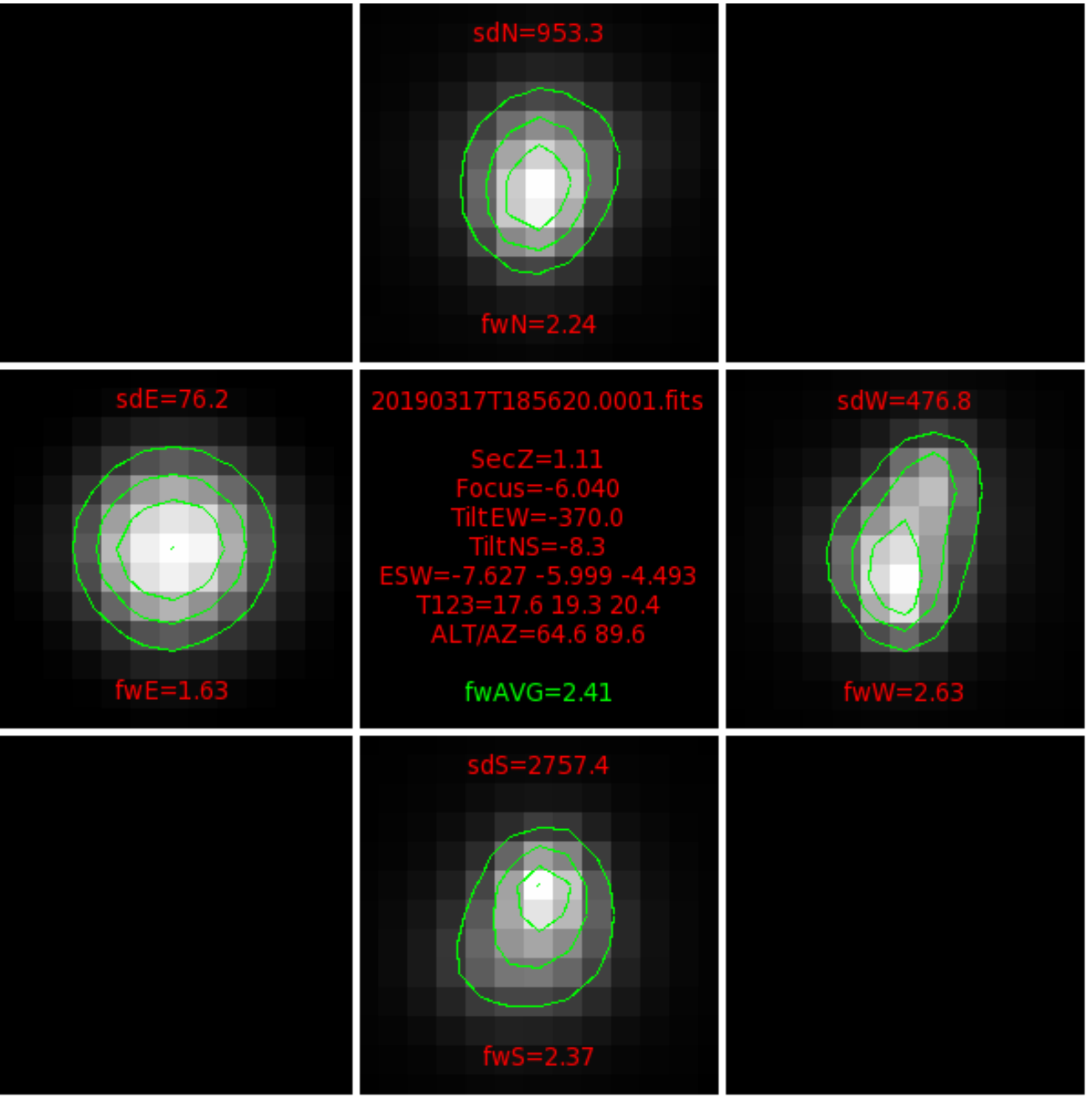
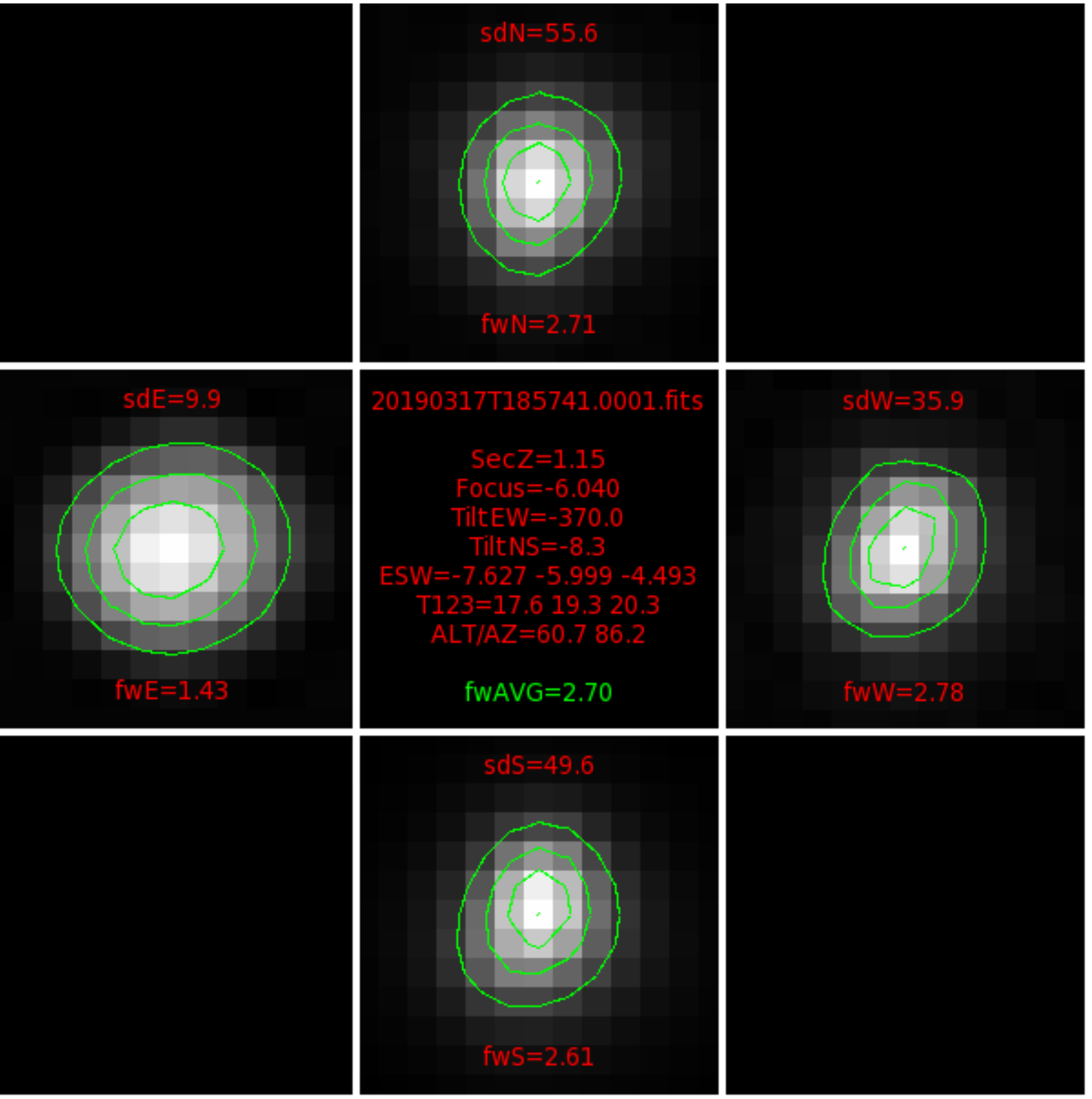
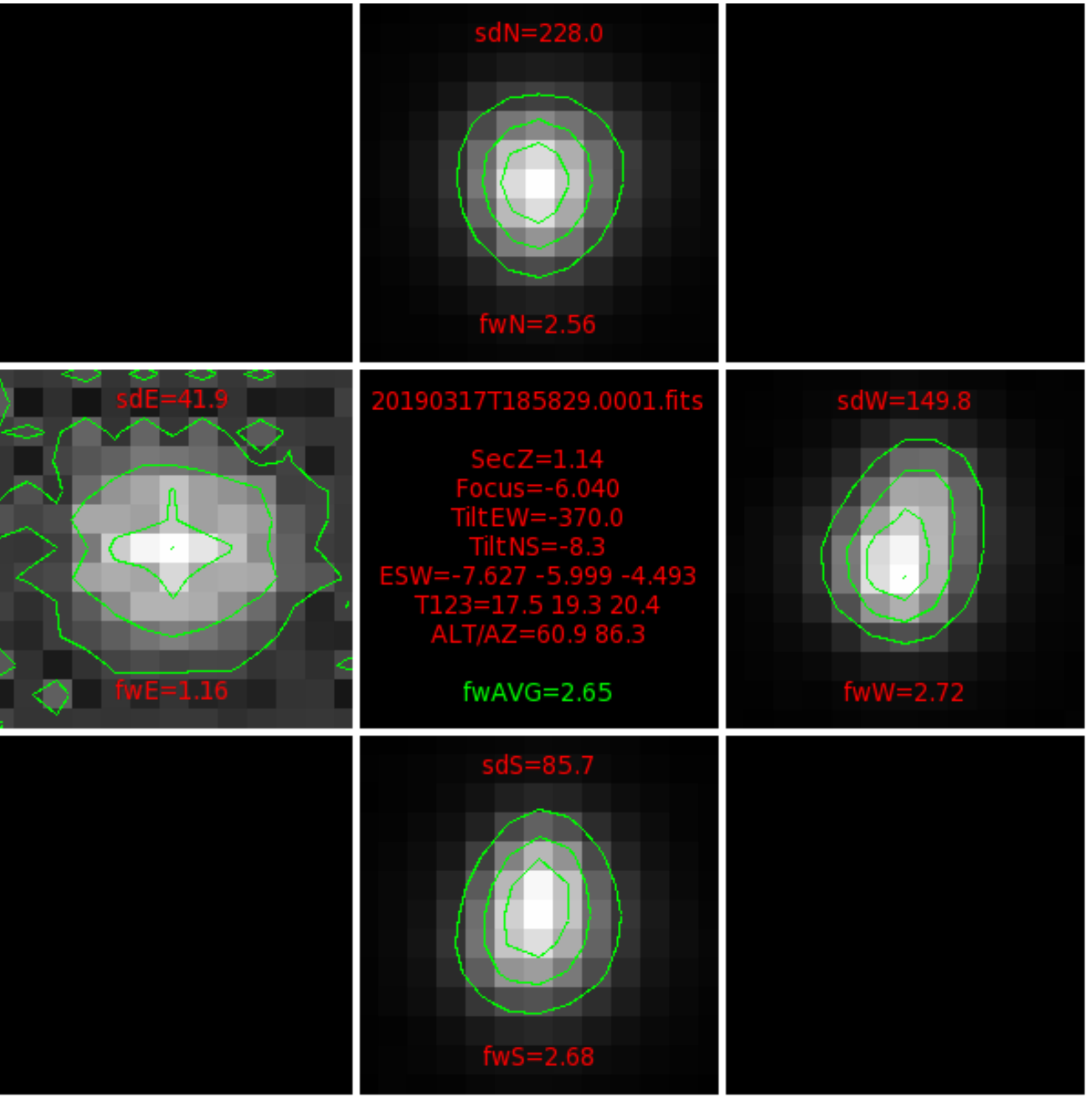
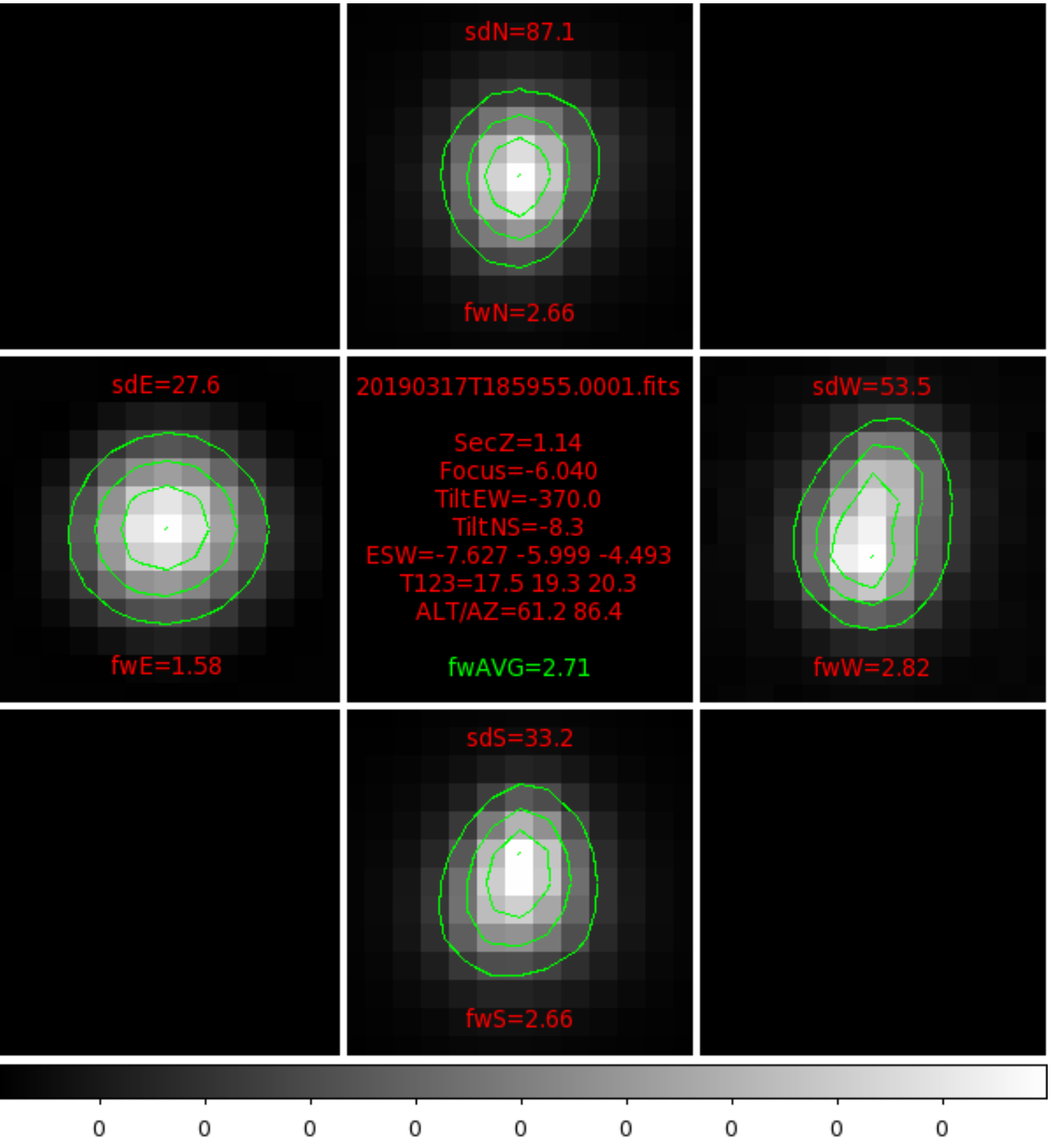
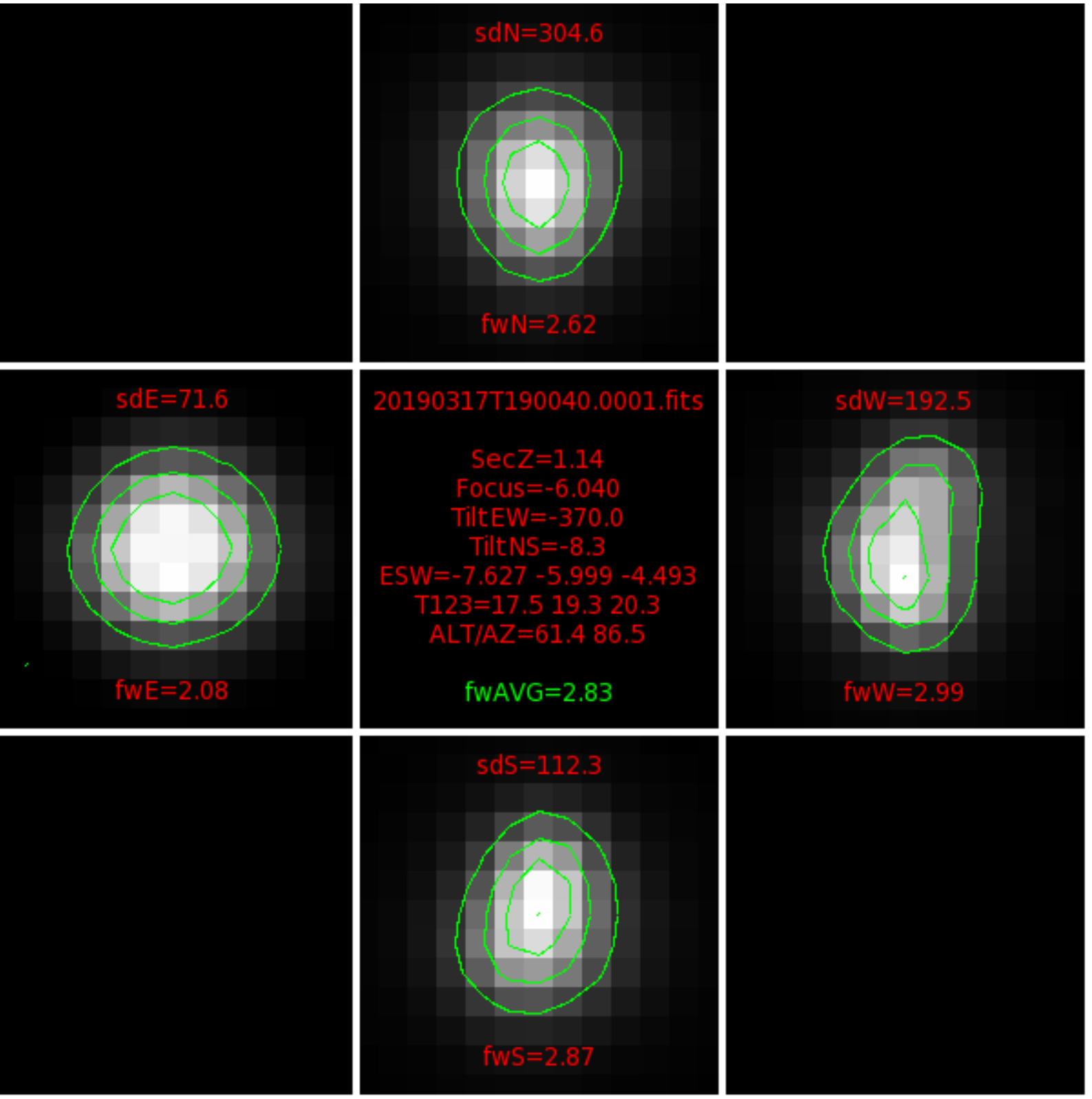
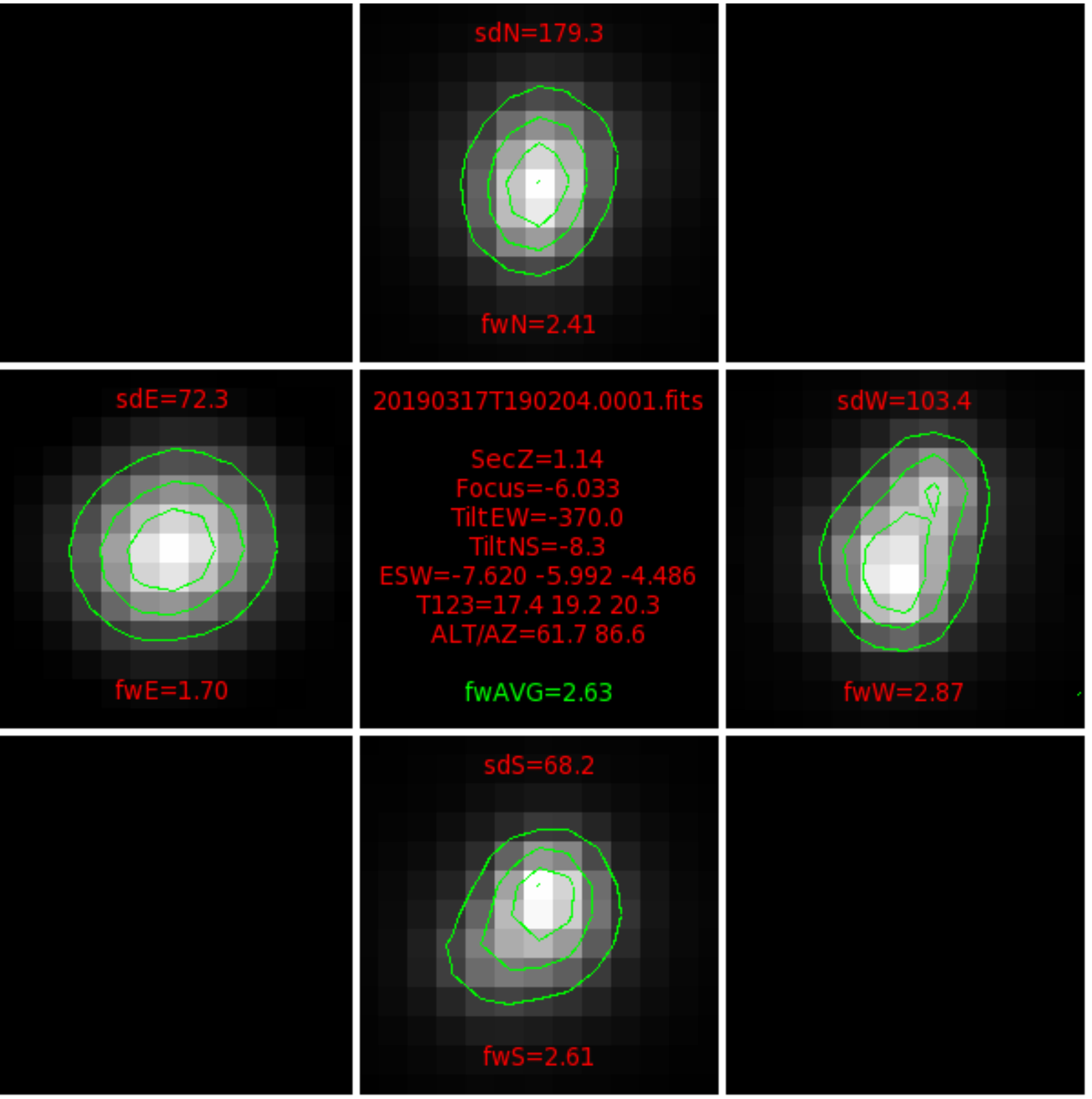

sdN=953.3
fwN=2.24
sdE=76.2
fwE=1.63
20190317T185620.0001.fits
SecZ=1.11
Focus=-6.040
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.627 -5.999 -4.493
T123=17.6 19.3 20.4
ALT/AZ=64.6 89.6
fwAVG=2.41
sdW=476.8
fwW=2.63
sdS=2757.4
fwS=2.37
0 0 0 0 0 0 0 0 0


sdN=55.6
fwN=2.71
sdE=9.9
fwE=1.43
20190317T185741.0001.fits
SecZ=1.15
Focus=-6.040
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.627 -5.999 -4.493
T123=17.6 19.3 20.3
ALT/AZ=60.7 86.2
fwAVG=2.70
sdW=35.9
fwW=2.78
sdS=49.6
fwS=2.61
0 0 0 0 0 0 0 0 0


sdN=228.0
fwN=2.56
sdE=41.9
fwE=1.16
20190317T185829.0001.fits
SecZ=1.14
Focus=-6.040
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.627 -5.999 -4.493
T123=17.5 19.3 20.4
ALT/AZ=60.9 86.3
fwAVG=2.65
sdW=149.8
fwW=2.72
sdS=85.7
fwS=2.68
0 0 0 0 0 0 0 0 0


sdN=87.1
fwN=2.66
sdE=27.6
fwE=1.58
20190317T185955.0001.fits
SecZ=1.14
Focus=-6.040
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.627 -5.999 -4.493
T123=17.5 19.3 20.3
ALT/AZ=61.2 86.4
fwAVG=2.71
sdW=53.5
fwW=2.82
sdS=33.2
fwS=2.66
0 0 0 0 0 0 0 0 0


sdN=304.6
fwN=2.62
sdE=71.6
fwE=2.08
20190317T190040.0001.fits
SecZ=1.14
Focus=-6.040
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.627 -5.999 -4.493
T123=17.5 19.3 20.3
ALT/AZ=61.4 86.5
fwAVG=2.83
sdW=192.5
fwW=2.99
sdS=112.3
fwS=2.87
0 0 0 0 0 0 0 0 0


sdN=179.3
fwN=2.41
sdE=72.3
fwE=1.70
20190317T190204.0001.fits
SecZ=1.14
Focus=-6.033
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.620 -5.992 -4.486
T123=17.4 19.2 20.3
ALT/AZ=61.7 86.6
fwAVG=2.63
sdW=103.4
fwW=2.87
sdS=68.2
fwS=2.61
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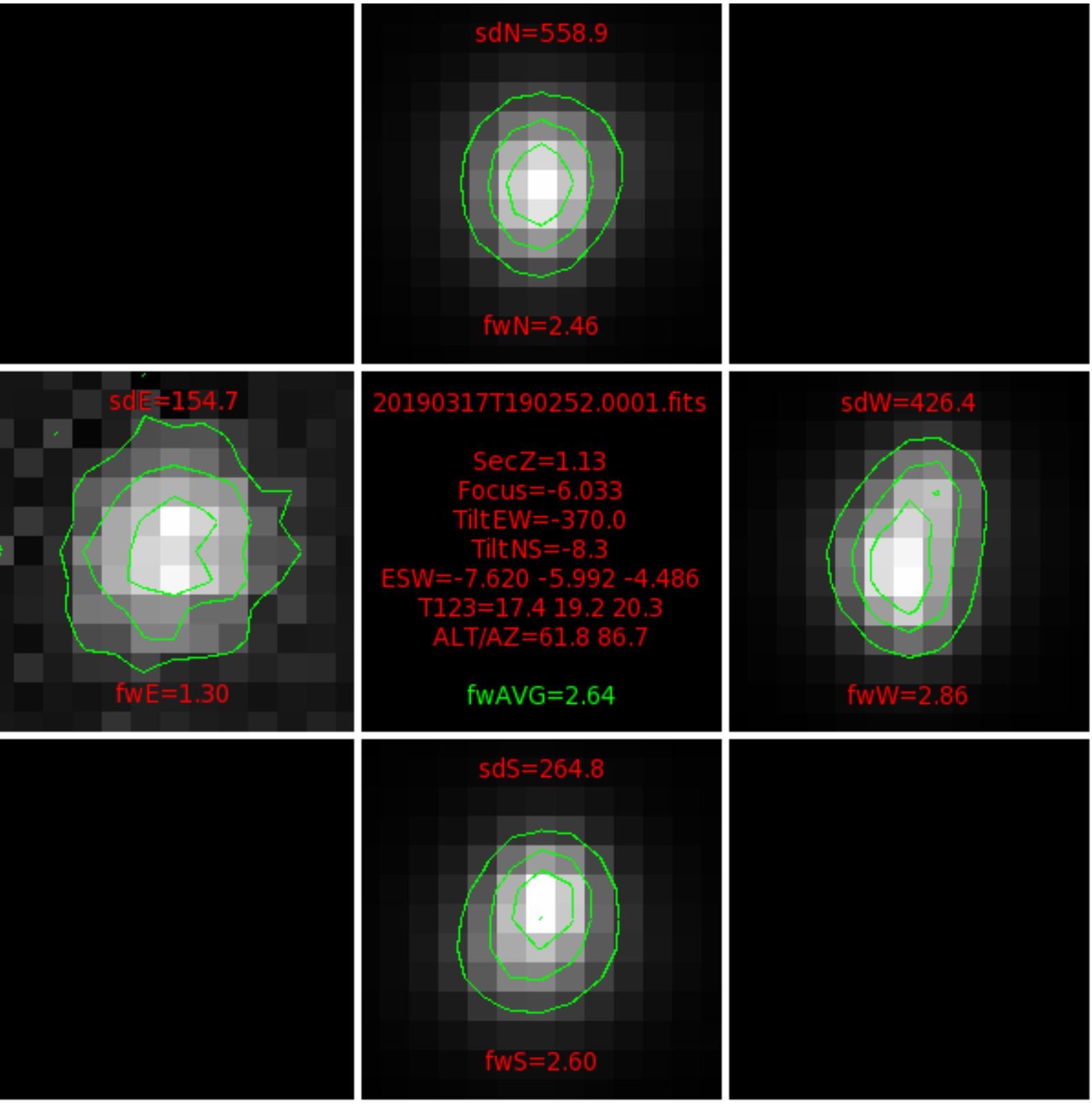
sdN=558.9
fwN=2.46
sdE=154.7
fwE=1.30
20190317T190252.0001.fits
SecZ=1.13
Focus=-6.033
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.620 -5.992 -4.486
T123=17.4 19.2 20.3
ALT/AZ=61.8 86.7
fwAVG=2.64
sdW=426.4
fwW=2.86
sdS=264.8
fwS=2.60
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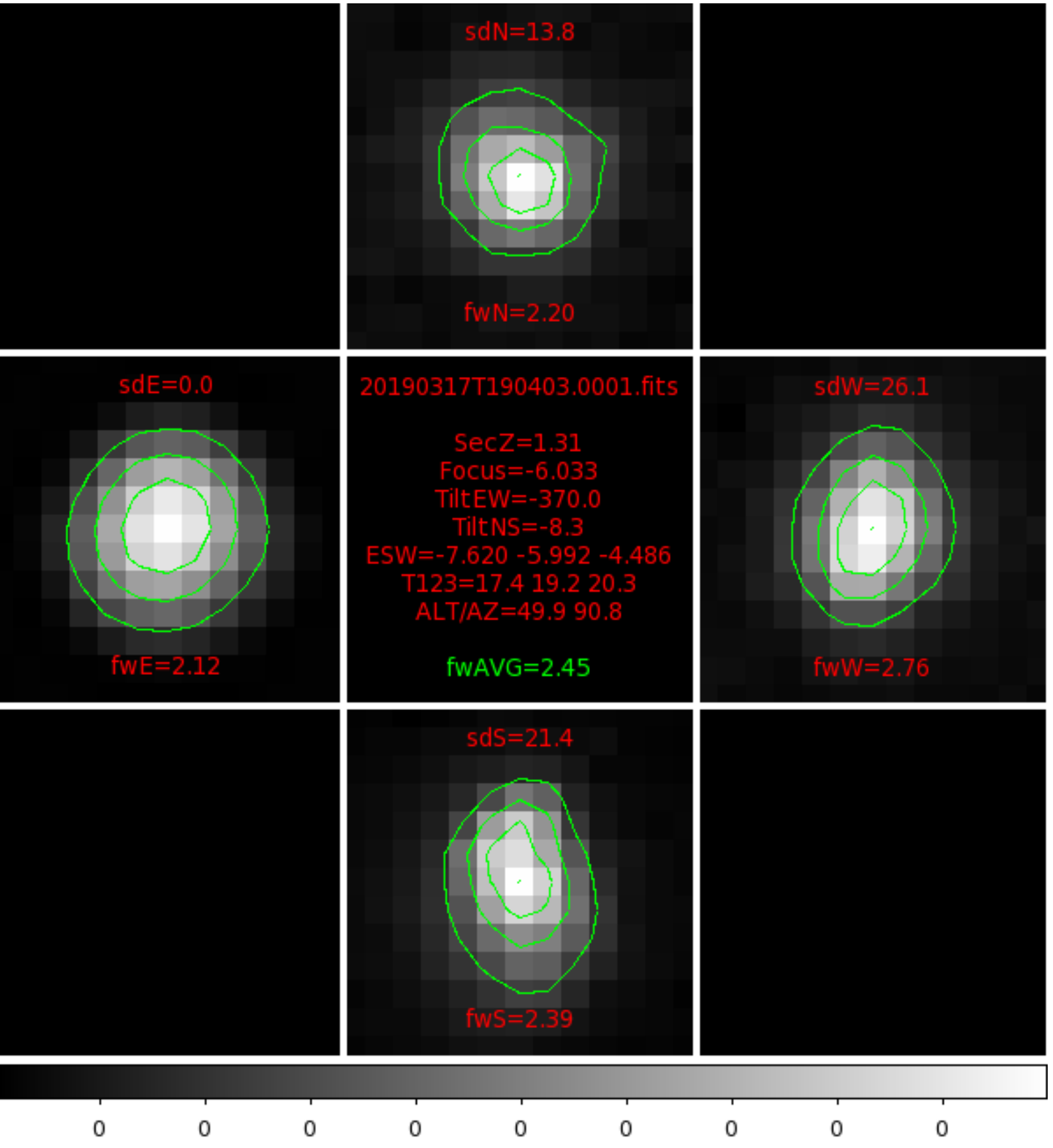
sdN=13.8
fwN=2.20
sdE=0.0
fwE=2.12
20190317T190403.0001.fits
SecZ=1.31
Focus=-6.033
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.620 -5.992 -4.486
T123=17.4 19.2 20.3
ALT/AZ=49.9 90.8
fwAVG=2.45
sdW=26.1
fwW=2.76
sdS=21.4
fwS=2.39
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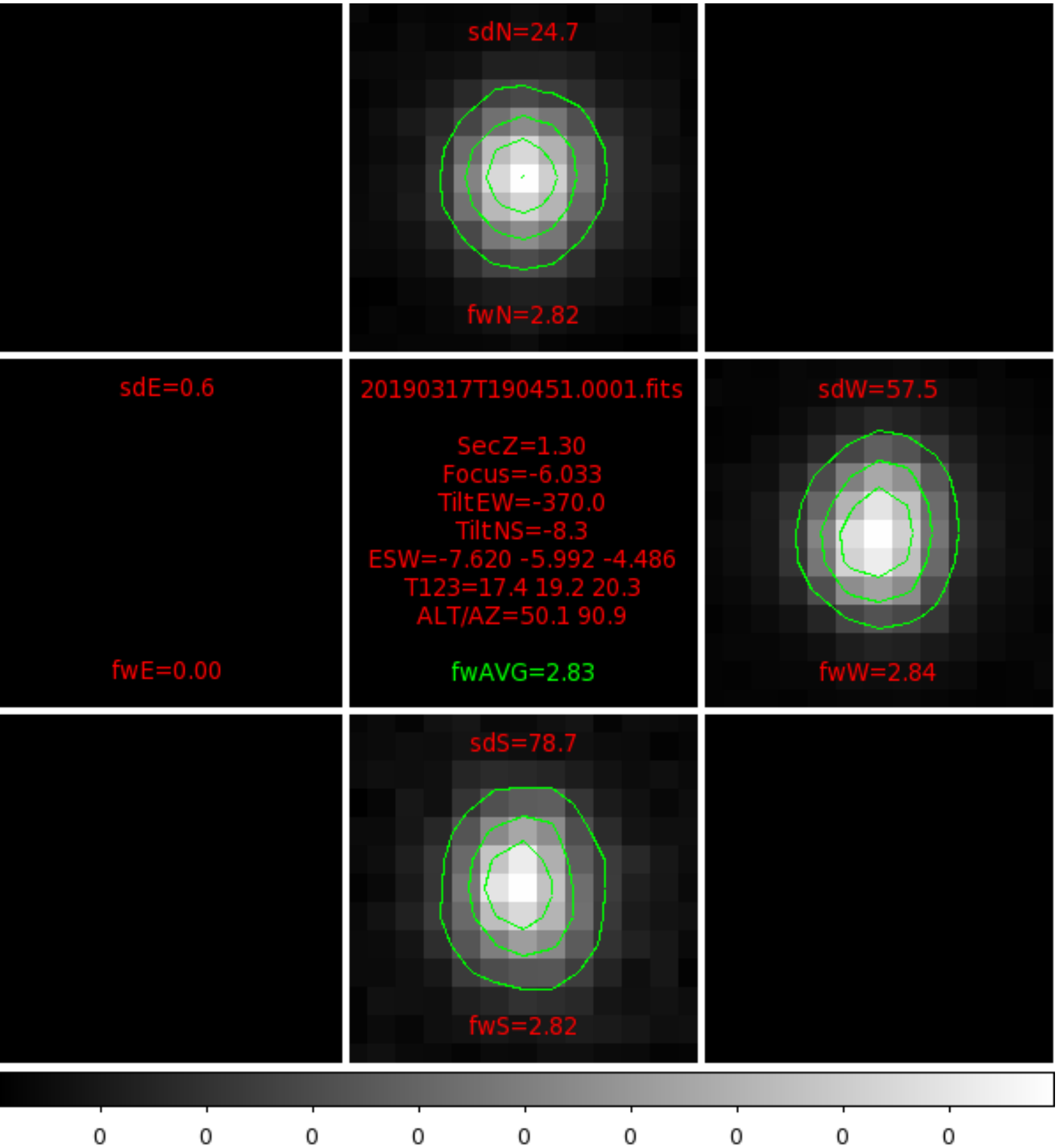
sdN=24.7
fwN=2.82
sdE=0.6
fwE=0.00
20190317T190451.0001.fits
SecZ=1.30
Focus=-6.033
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.620 -5.992 -4.486
T123=17.4 19.2 20.3
ALT/AZ=50.1 90.9
fwAVG=2.83
sdW=57.5
fwW=2.84
sdS=78.7
fwS=2.82
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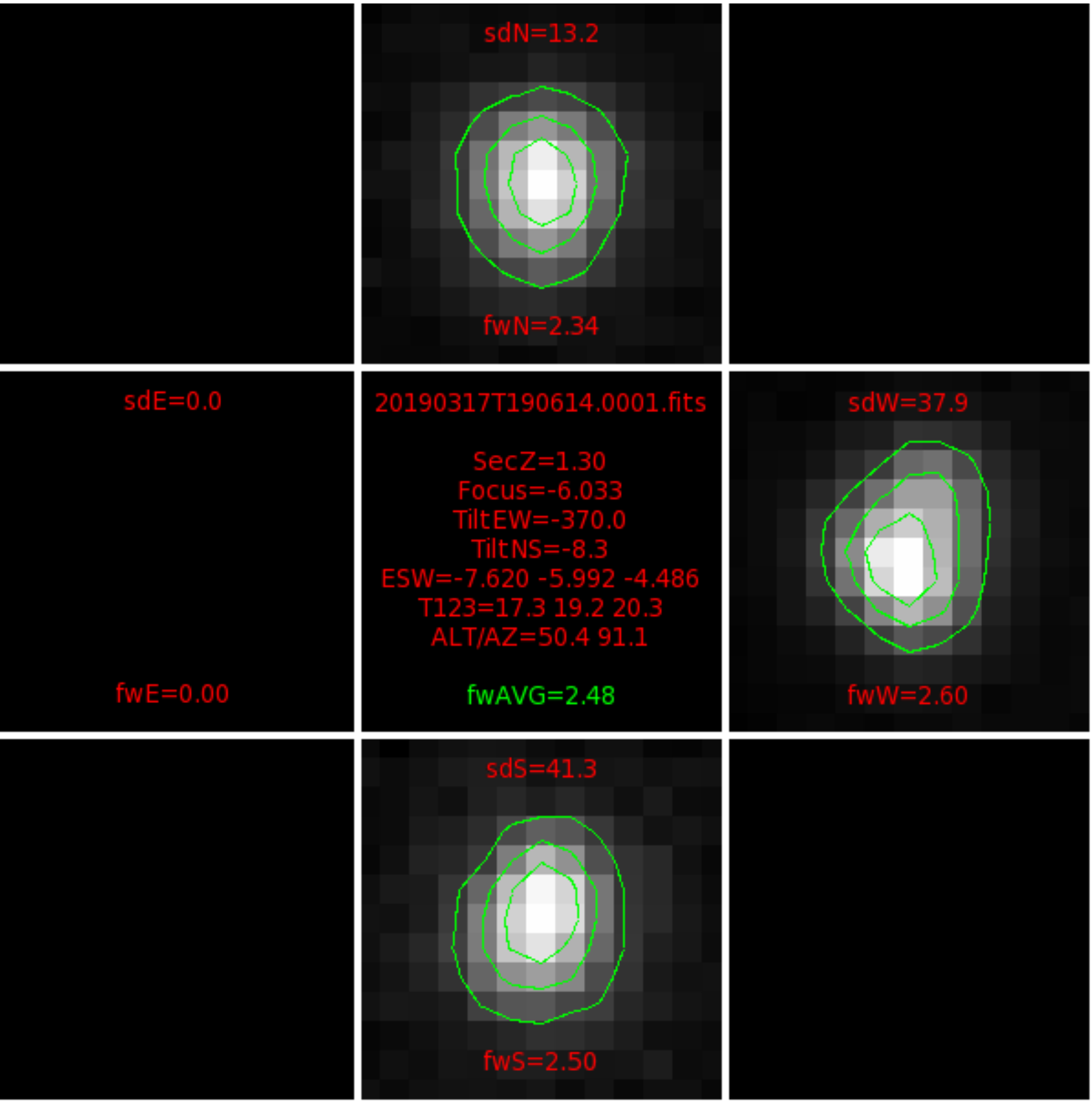
sdN=13.2
fwN=2.34
sdE=0.0
fwE=0.00
20190317T190614.0001.fits
SecZ=1.30
Focus=-6.033
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.620 -5.992 -4.486
T123=17.3 19.2 20.3
ALT/AZ=50.4 91.1
fwAVG=2.48
sdW=37.9
fwW=2.60
sdS=41.3
fwS=2.50
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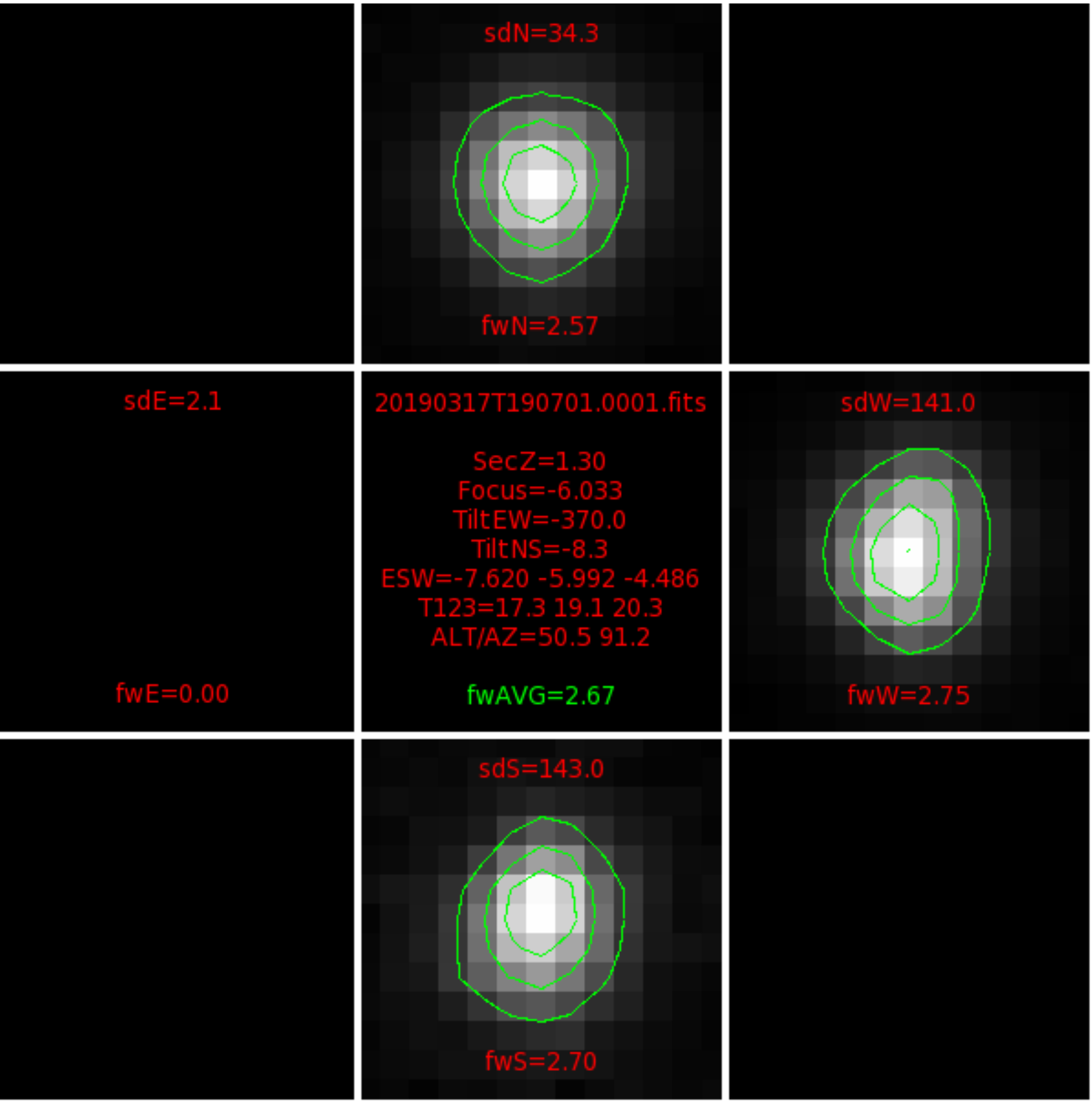
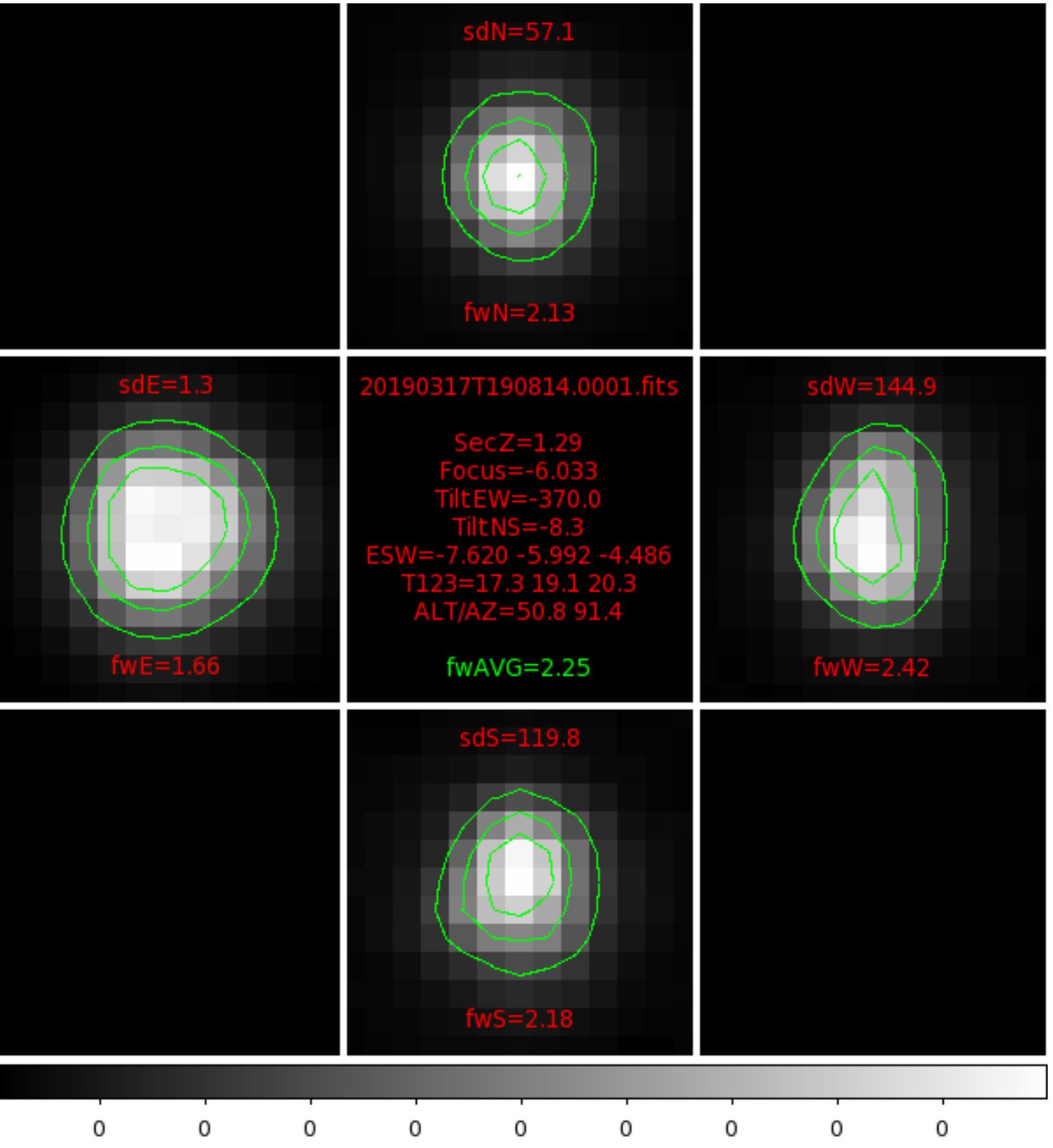
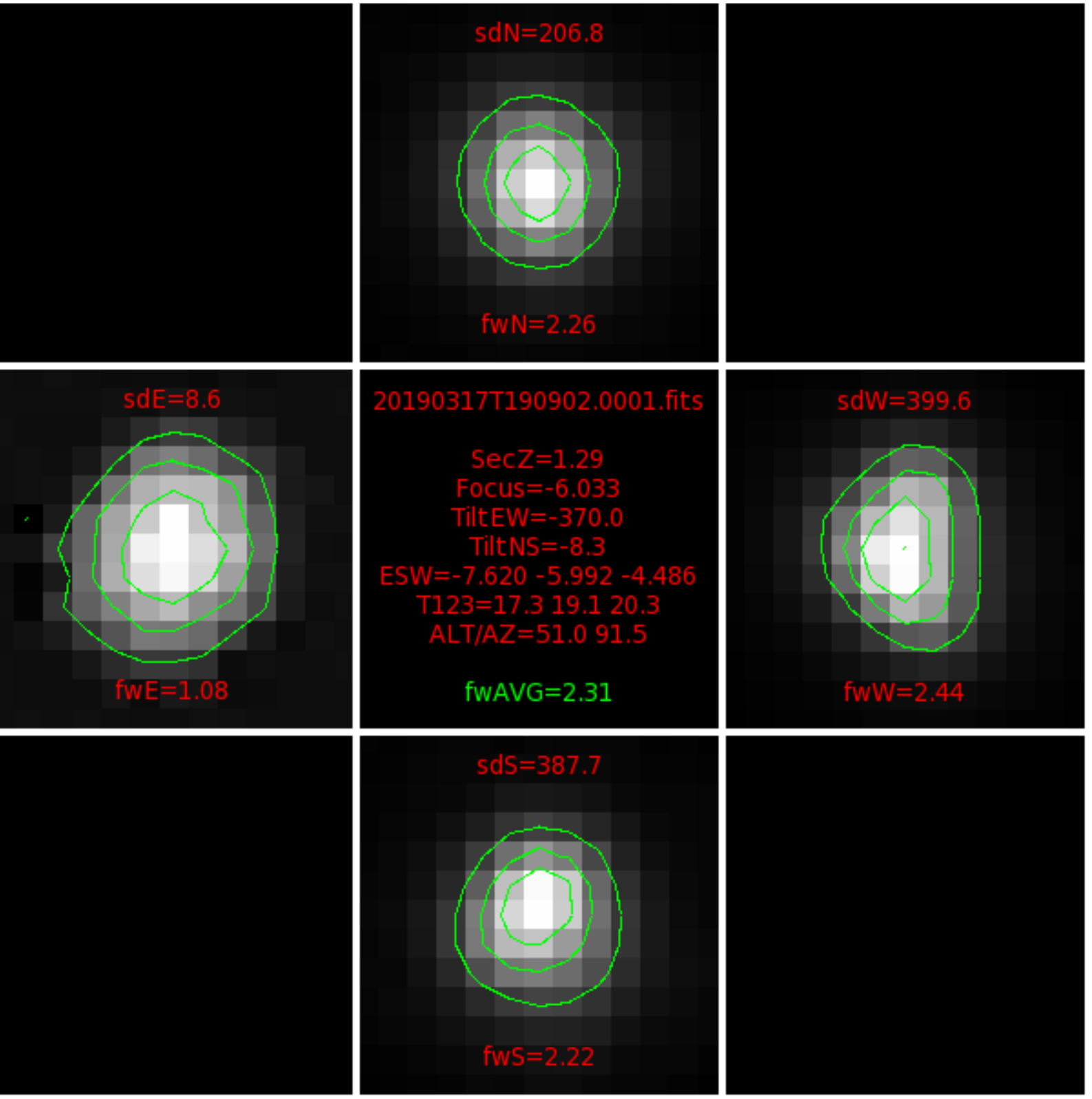

sdN=34.3
fwN=2.57
sdE=2.1
fwE=0.00
20190317T190701.0001.fits
SecZ=1.30
Focus=-6.033
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.620 -5.992 -4.486
T123=17.3 19.1 20.3
ALT/AZ=50.5 91.2
fwAVG=2.67
sdW=141.0
fwW=2.75
sdS=143.0
fwS=2.70
0 0 0 0 0 0 0 0 0


sdN=57.1
fwN=2.13
sdE=1.3
fwE=1.66
20190317T190814.0001.fits
SecZ=1.29
Focus=-6.033
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.620 -5.992 -4.486
T123=17.3 19.1 20.3
ALT/AZ=50.8 91.4
fwAVG=2.25
sdW=144.9
fwW=2.42
sdS=119.8
fwS=2.18
0 0 0 0 0 0 0 0 0


sdN=206.8
fwN=2.26
sdE=8.6
fwE=1.08
20190317T190902.0001.fits
SecZ=1.29
Focus=-6.033
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.620 -5.992 -4.486
T123=17.3 19.1 20.3
ALT/AZ=51.0 91.5
fwAVG=2.31
sdW=399.6
fwW=2.44
sdS=387.7
fwS=2.22
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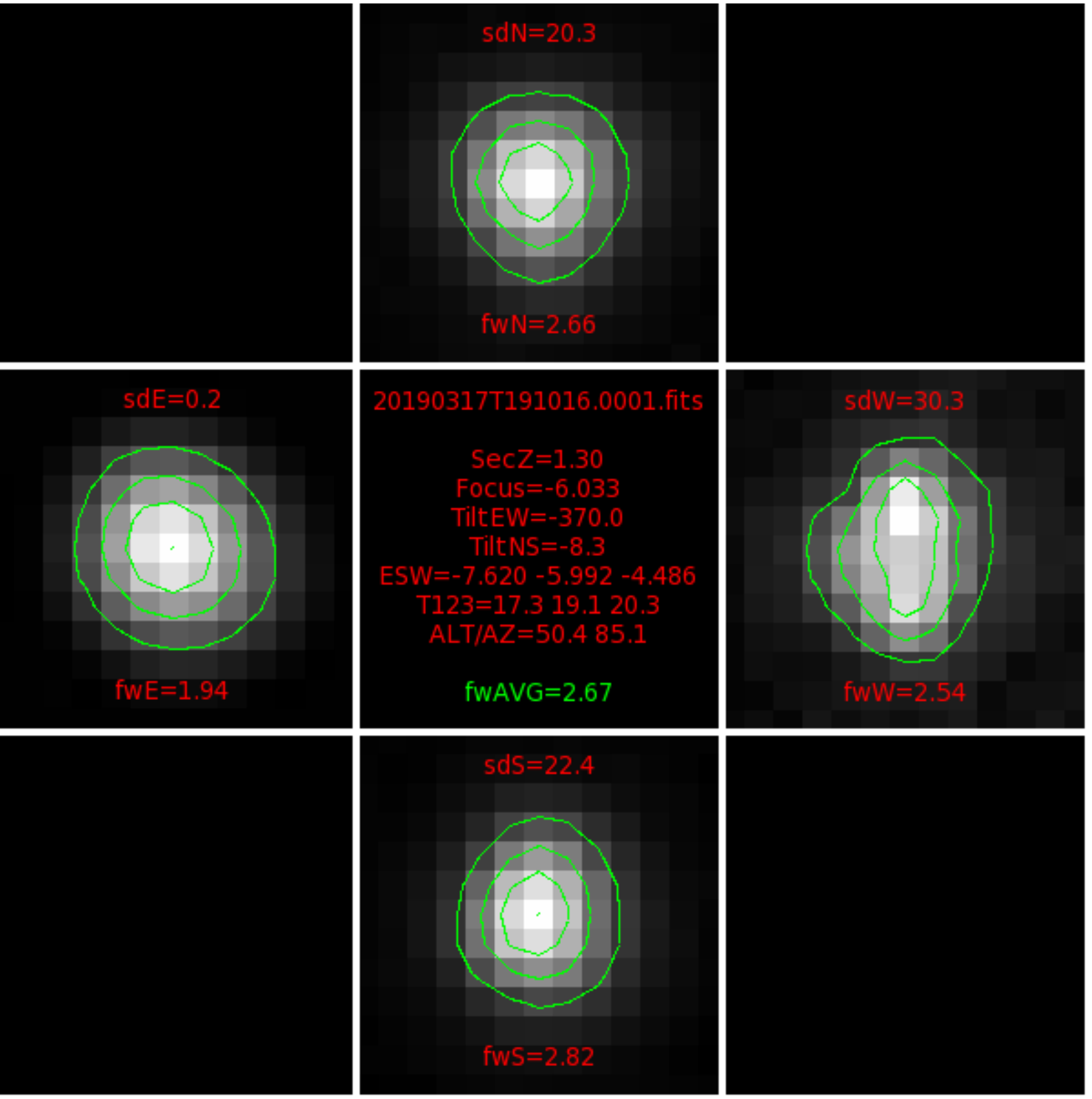
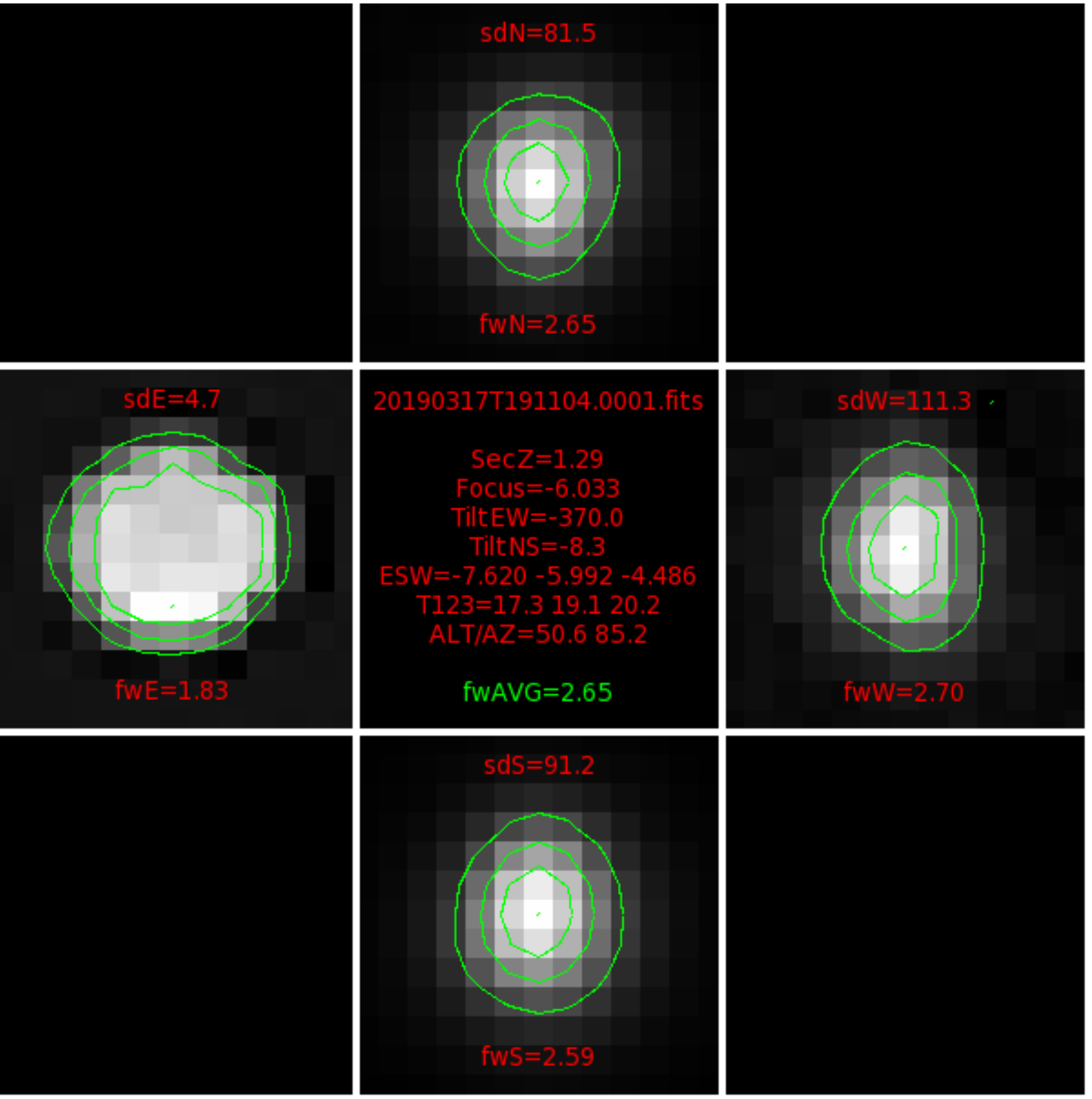

sdN=20.3
fwN=2.66
sdE=0.2
fwE=1.94
20190317T191016.0001.fits
SecZ=1.30
Focus=-6.033
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.620 -5.992 -4.486
T123=17.3 19.1 20.3
ALT/AZ=50.4 85.1
fwAVG=2.67
sdW=30.3
fwW=2.54
sdS=22.4
fwS=2.82
0 0 0 0 0 0 0 0 0


sdN=81.5
fwN=2.65
sdE=4.7
fwE=1.83
20190317T191104.0001.fits
SecZ=1.29
Focus=-6.033
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.620 -5.992 -4.486
T123=17.3 19.1 20.2
ALT/AZ=50.6 85.2
fwAVG=2.65
sdW=111.3
fwW=2.70
sdS=91.2
fwS=2.59
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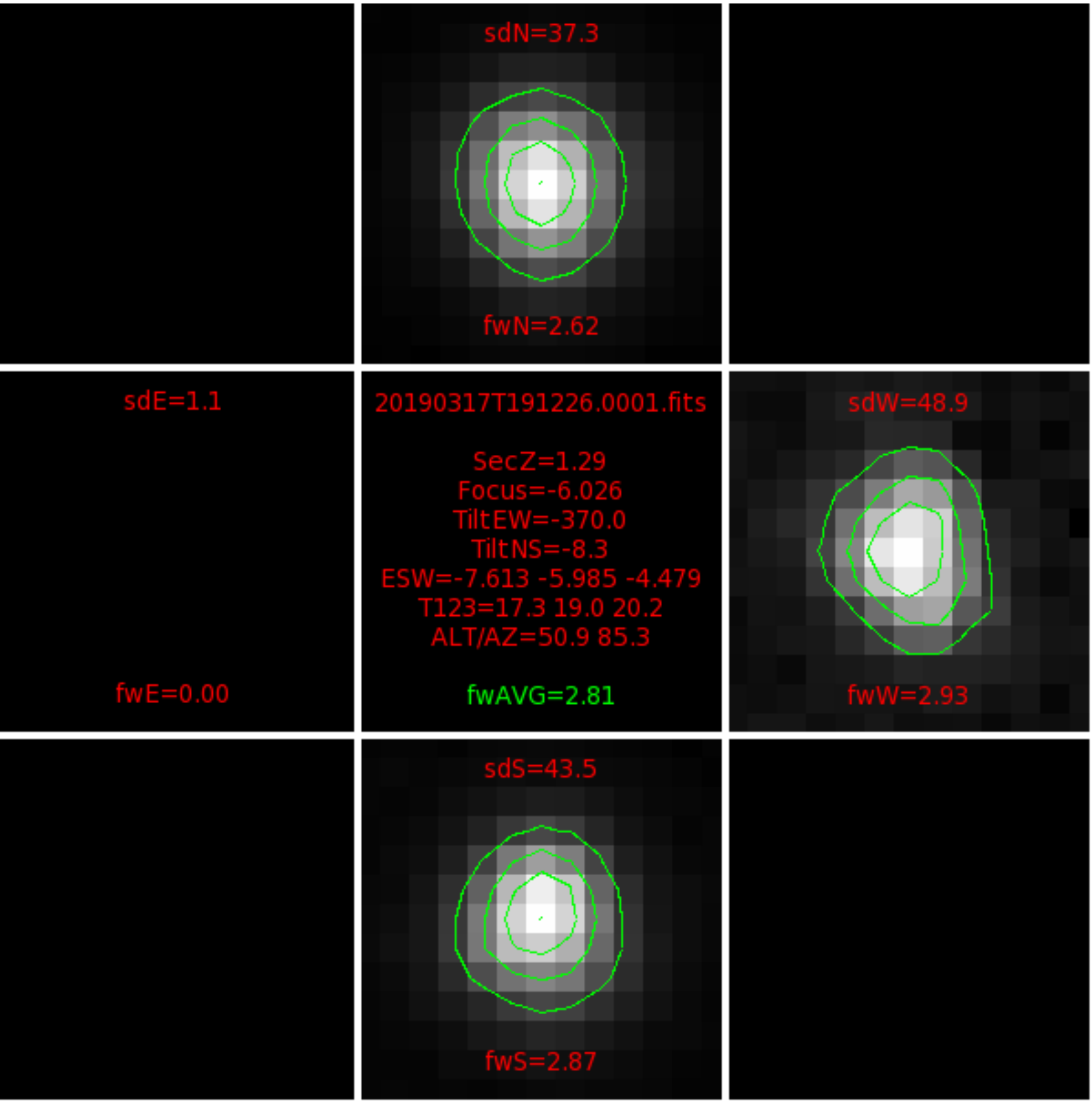
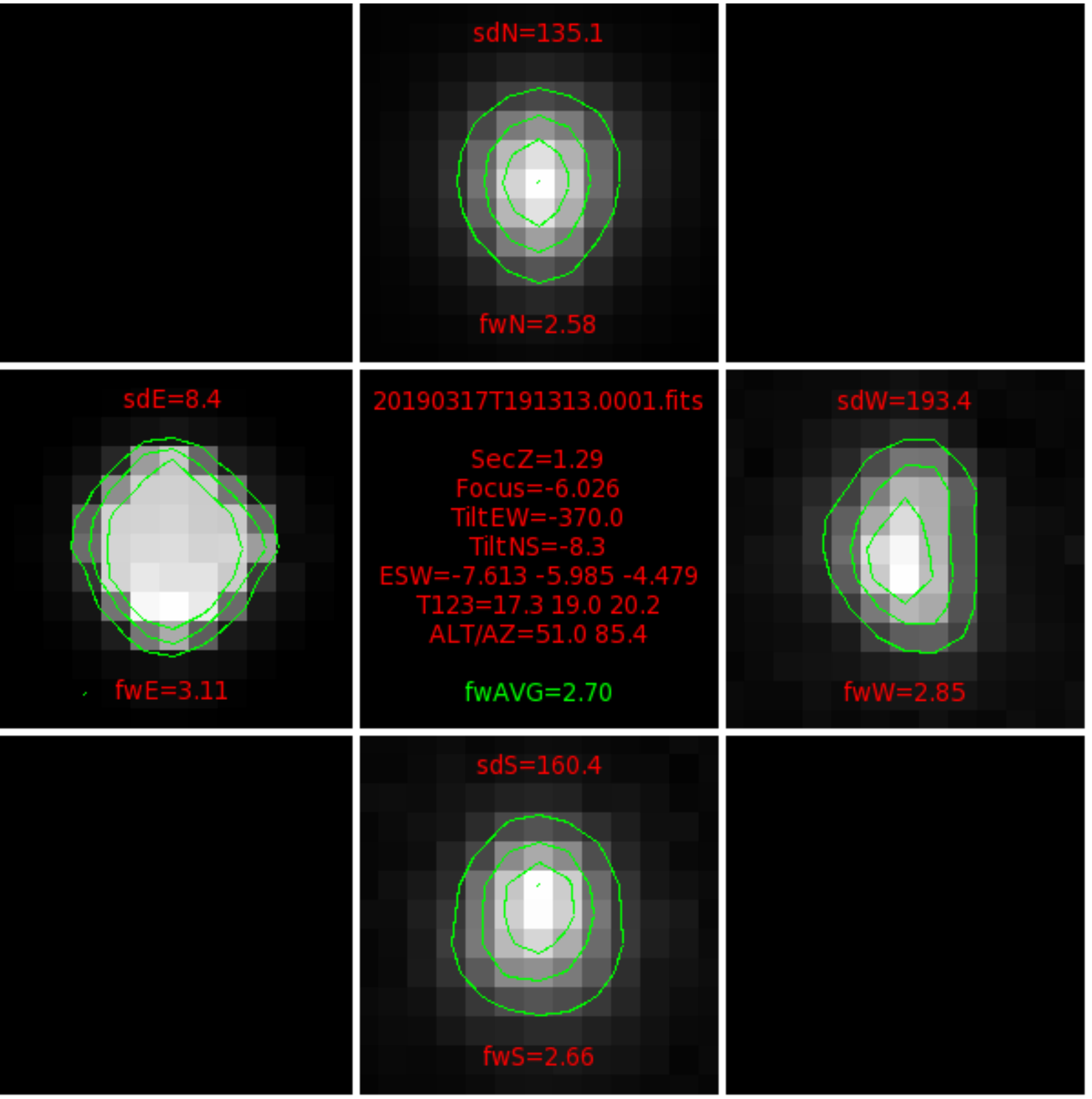
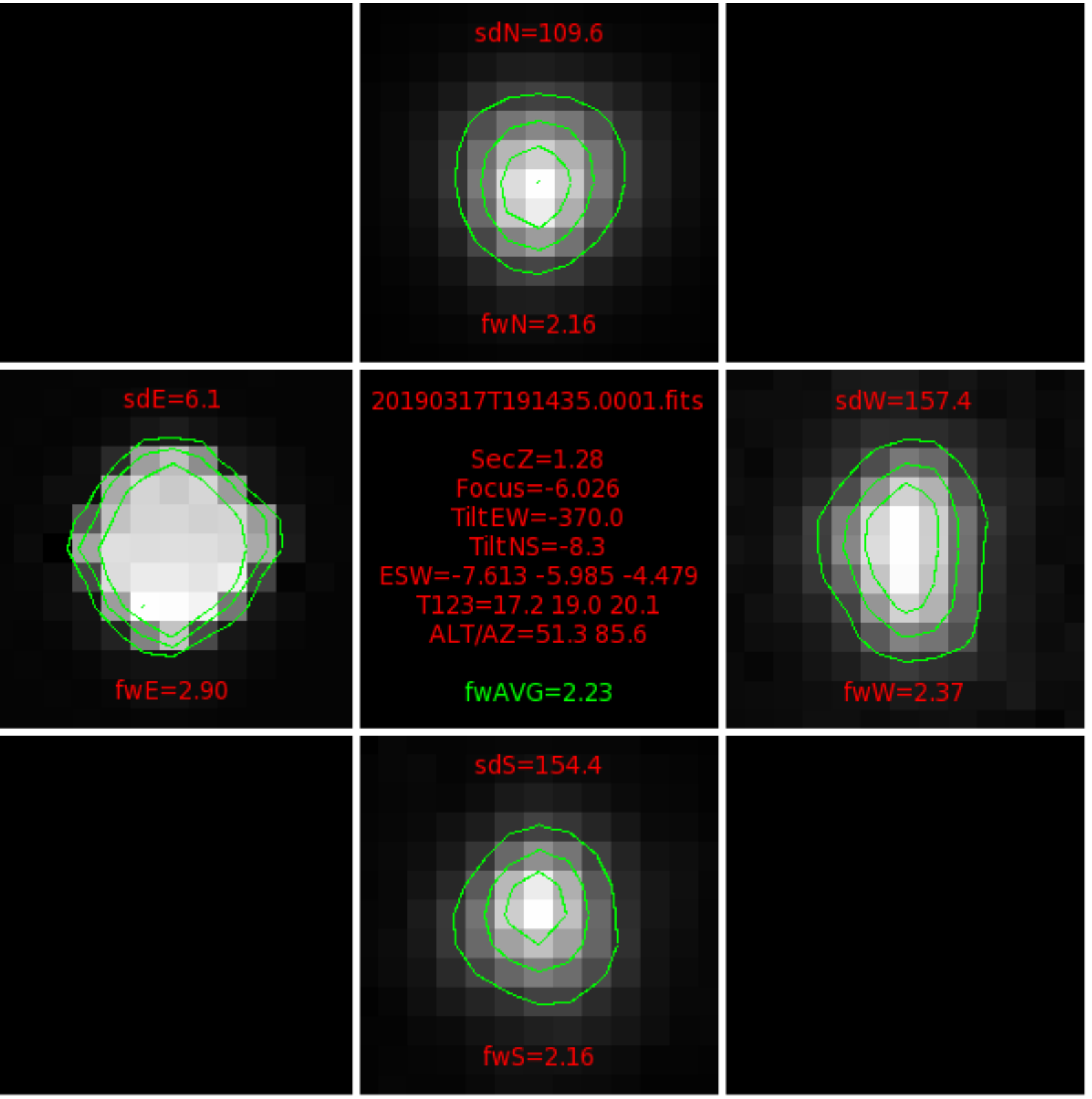

sdN=37.3
fwN=2.62
sdE=1.1
fwE=0.00
20190317T191226.0001.fits
SecZ=1.29
Focus=-6.026
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.613 -5.985 -4.479
T123=17.3 19.0 20.2
ALT/AZ=50.9 85.3
fwAVG=2.81
sdW=48.9
fwW=2.93
sdS=43.5
fwS=2.87
0 0 0 0 0 0 0 0 0


sdN=135.1
fwN=2.58
sdE=8.4
fwE=3.11
20190317T191313.0001.fits
SecZ=1.29
Focus=-6.026
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.613 -5.985 -4.479
T123=17.3 19.0 20.2
ALT/AZ=51.0 85.4
fwAVG=2.70
sdW=193.4
fwW=2.85
sdS=160.4
fwS=2.66
0 0 0 0 0 0 0 0 0


sdN=109.6
fwN=2.16
sdE=6.1
fwE=2.90
20190317T191435.0001.fits
SecZ=1.28
Focus=-6.026
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.613 -5.985 -4.479
T123=17.2 19.0 20.1
ALT/AZ=51.3 85.6
fwAVG=2.23
sdW=157.4
fwW=2.37
sdS=154.4
fwS=2.16
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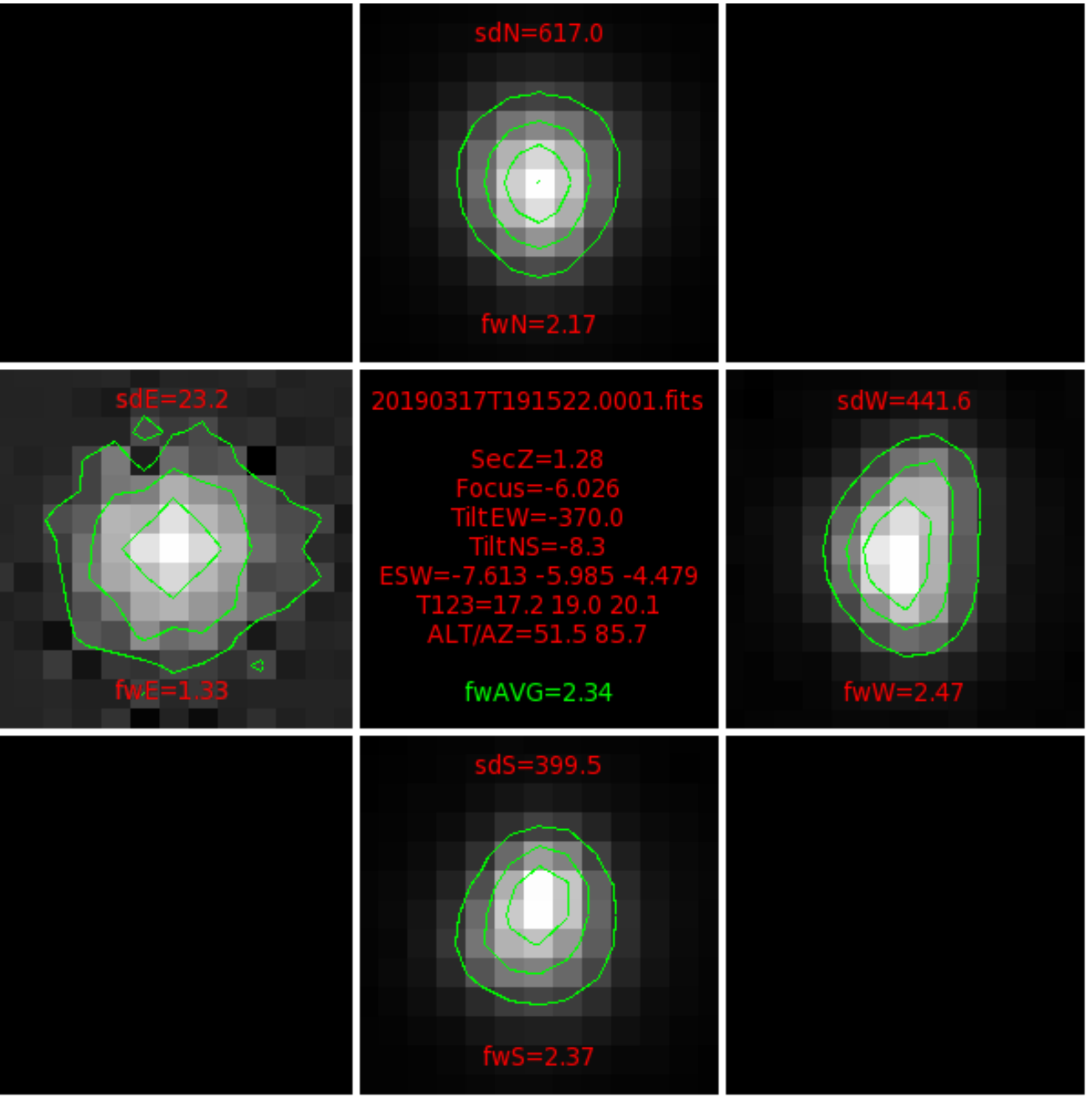
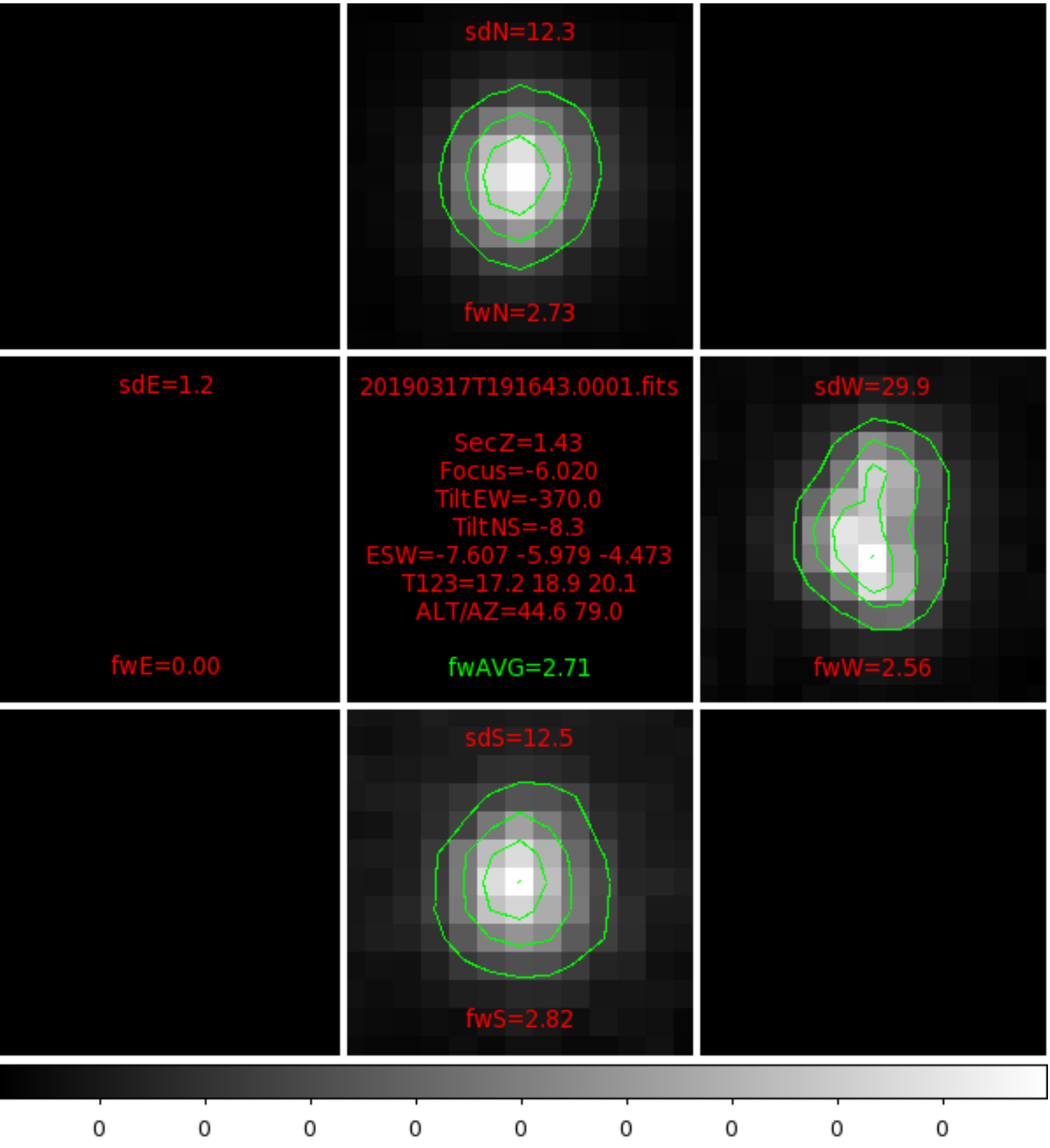

sdN=617.0
fwN=2.17
sdE=23.2
fwE=1.33
20190317T191522.0001.fits
SecZ=1.28
Focus=-6.026
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.613 -5.985 -4.479
T123=17.2 19.0 20.1
ALT/AZ=51.5 85.7
fwAVG=2.34
sdW=441.6
fwW=2.47
sdS=399.5
fwS=2.37
0 0 0 0 0 0 0 0 0


sdN=12.3
fwN=2.73
sdE=1.2
fwE=0.00
20190317T191643.0001.fits
SecZ=1.43
Focus=-6.020
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.607 -5.979 -4.473
T123=17.2 18.9 20.1
ALT/AZ=44.6 79.0
fwAVG=2.71
sdW=29.9
fwW=2.56
sdS=12.5
fwS=2.82
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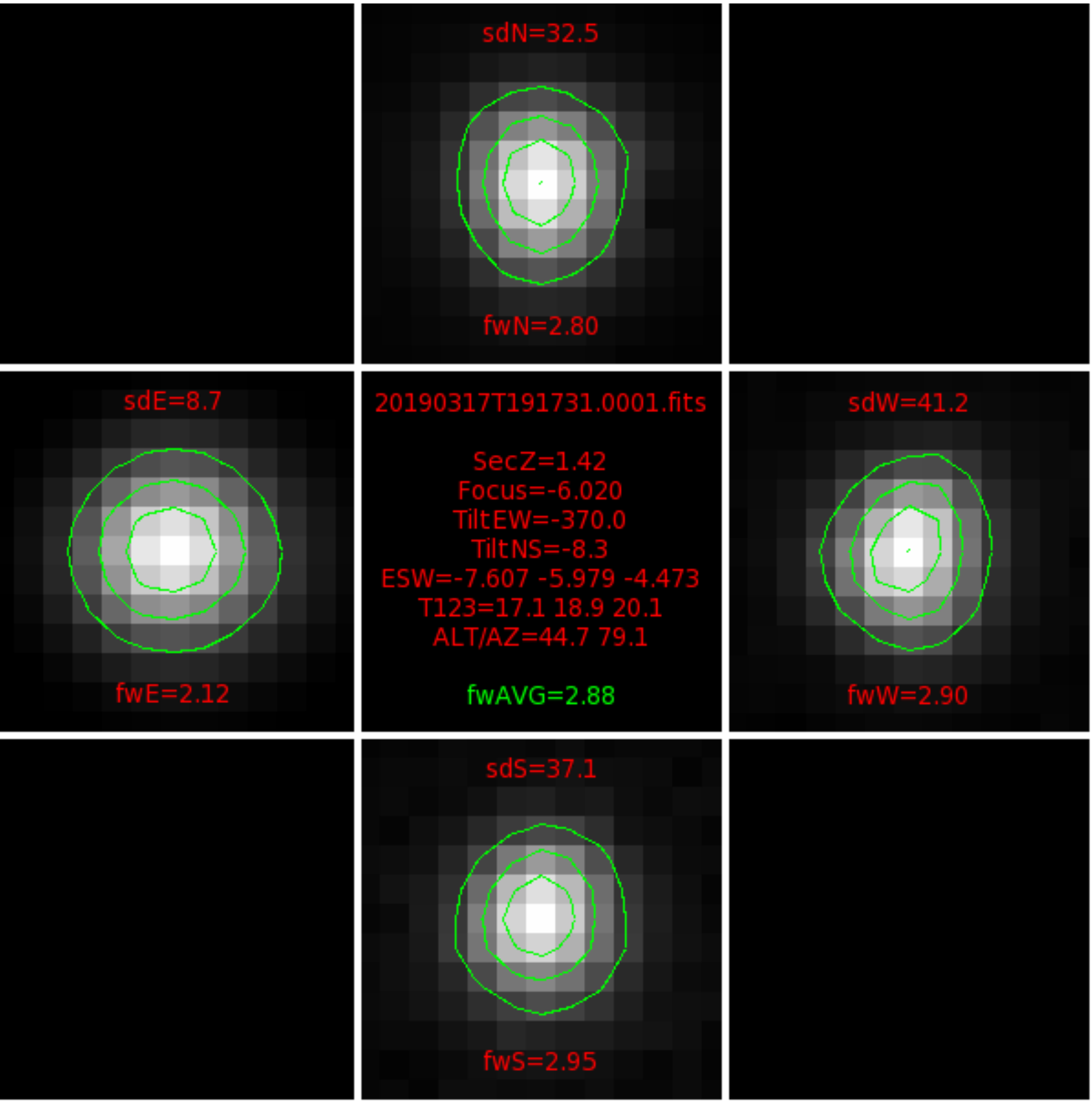
sdN=32.5
fwN=2.80
sdE=8.7
fwE=2.12
20190317T191731.0001.fits
SecZ=1.42
Focus=-6.020
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.607 -5.979 -4.473
T123=17.1 18.9 20.1
ALT/AZ=44.7 79.1
fwAVG=2.88
sdW=41.2
fwW=2.90
sdS=37.1
fwS=2.95
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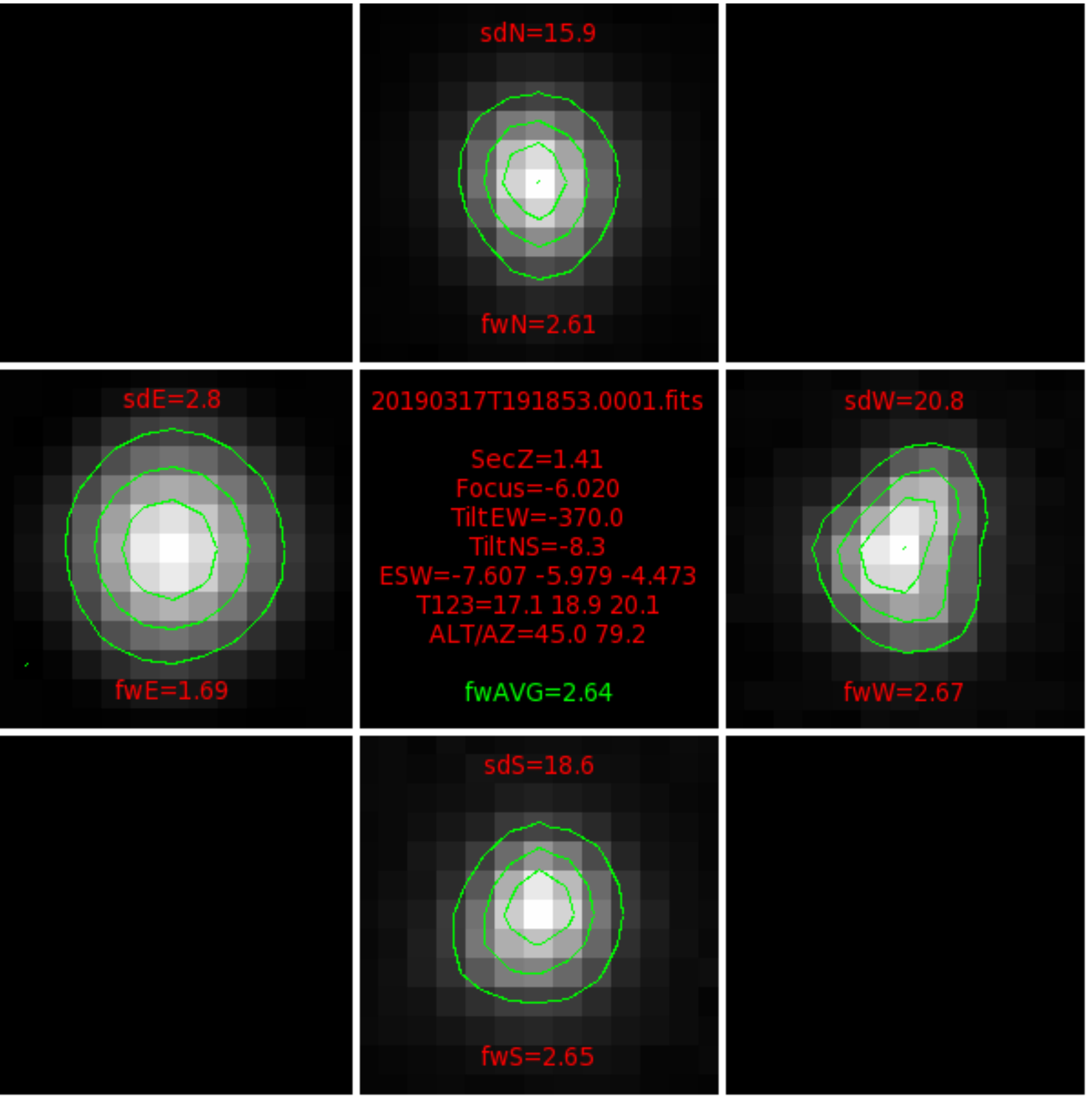
sdN=15.9
fwN=2.61
sdE=2.8
fwE=1.69
20190317T191853.0001.fits
SecZ=1.41
Focus=-6.020
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.607 -5.979 -4.473
T123=17.1 18.9 20.1
ALT/AZ=45.0 79.2
fwAVG=2.64
sdW=20.8
fwW=2.67
sdS=18.6
fwS=2.65
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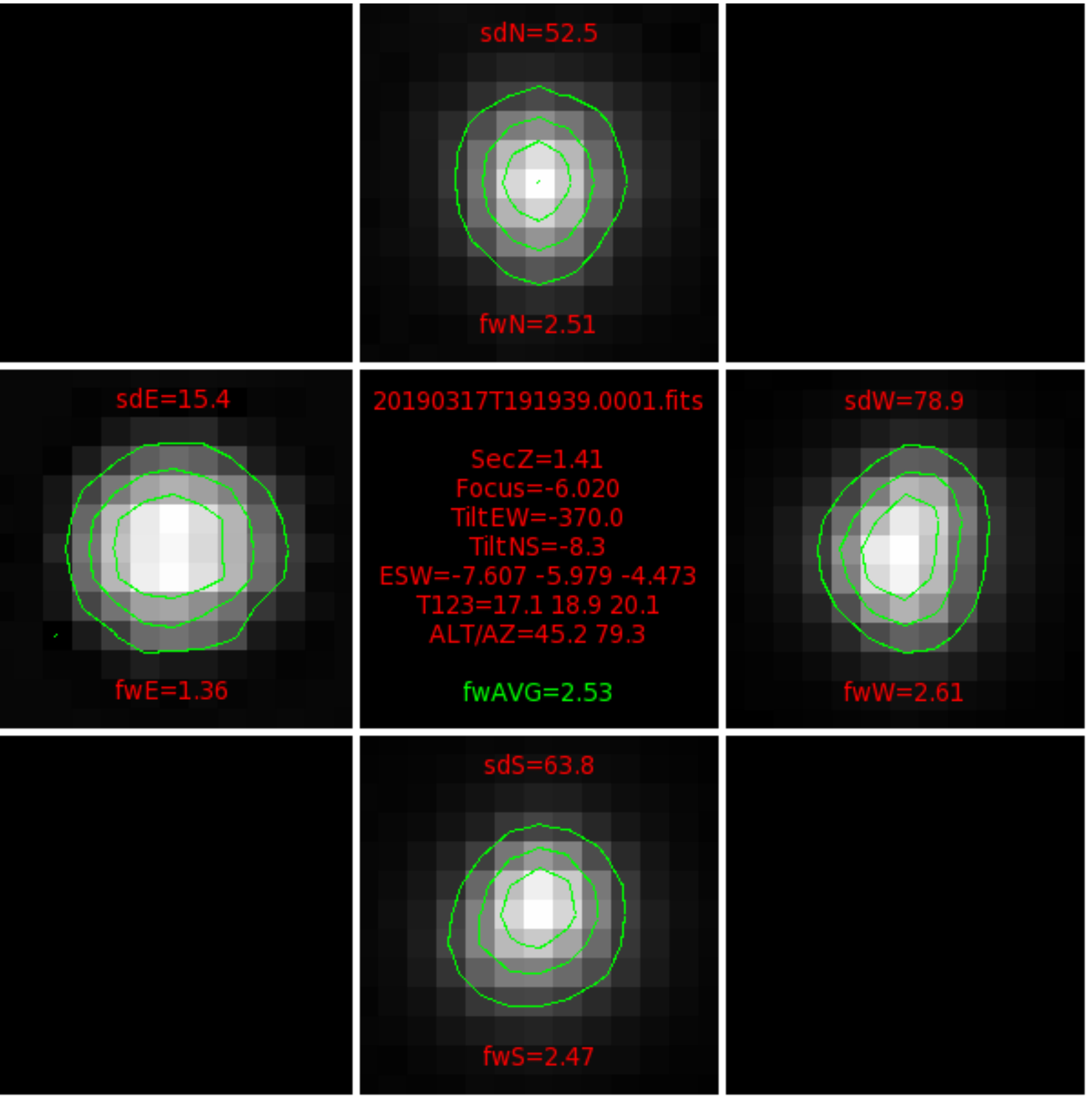
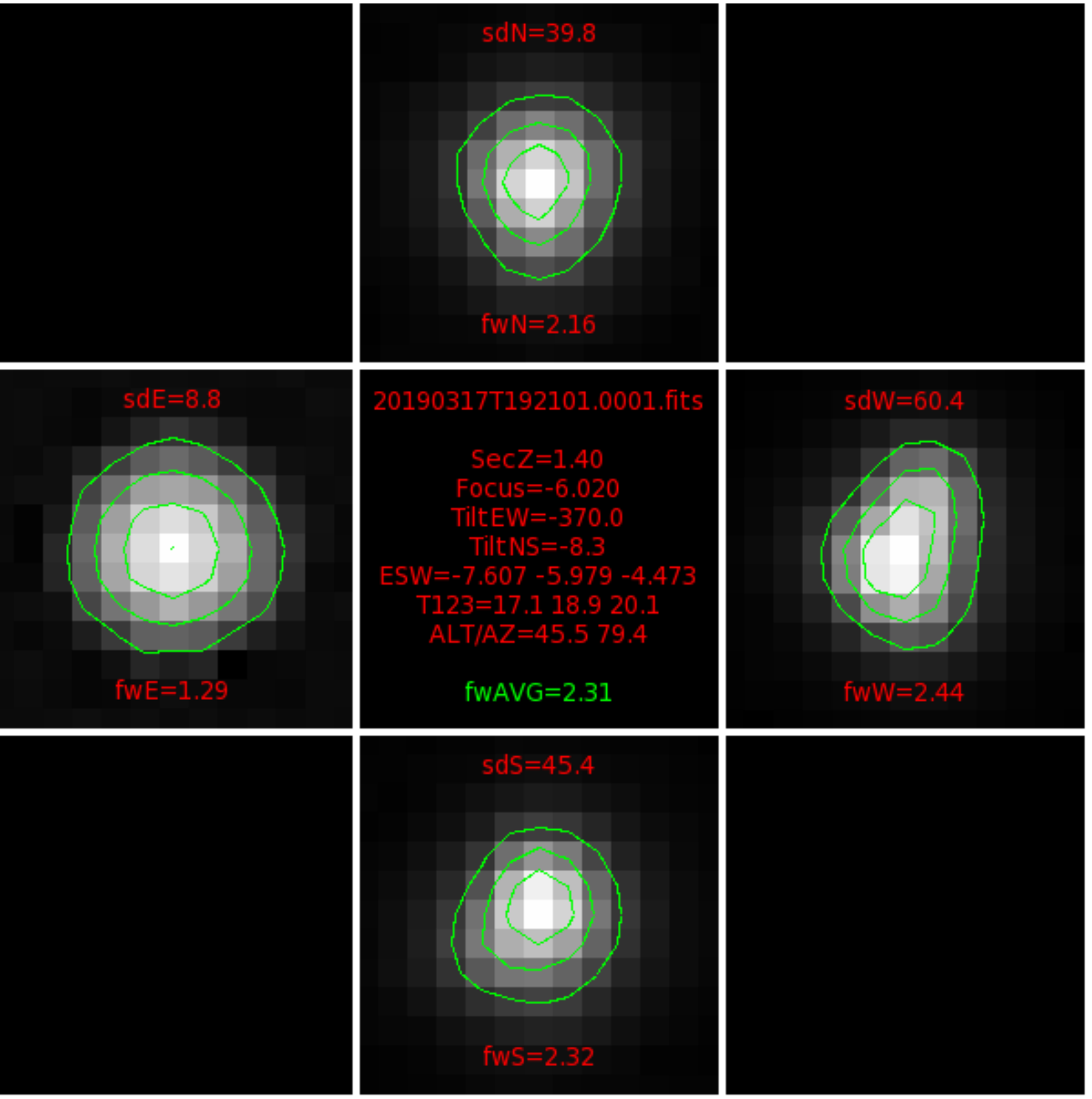

sdN=52.5
fwN=2.51
sdE=15.4
fwE=1.36
20190317T191939.0001.fits
SecZ=1.41
Focus=-6.020
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.607 -5.979 -4.473
T123=17.1 18.9 20.1
ALT/AZ=45.2 79.3
fwAVG=2.53
sdW=78.9
fwW=2.61
sdS=63.8
fwS=2.47
0 0 0 0 0 0 0 0 0


sdN=39.8
fwN=2.16
sdE=8.8
fwE=1.29
20190317T192101.0001.fits
SecZ=1.40
Focus=-6.020
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.607 -5.979 -4.473
T123=17.1 18.9 20.1
ALT/AZ=45.5 79.4
fwAVG=2.31
sdW=60.4
fwW=2.44
sdS=45.4
fwS=2.32
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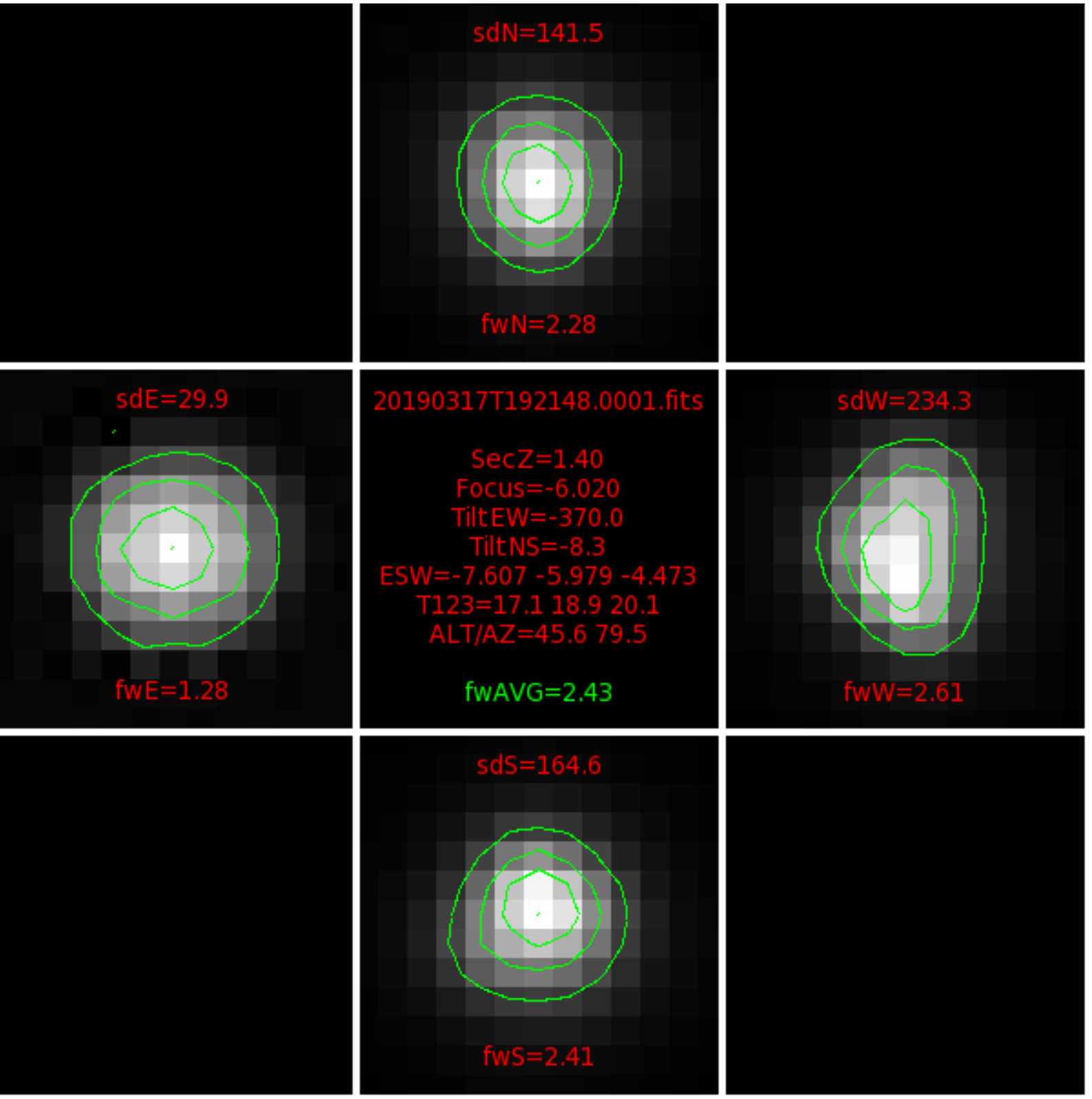
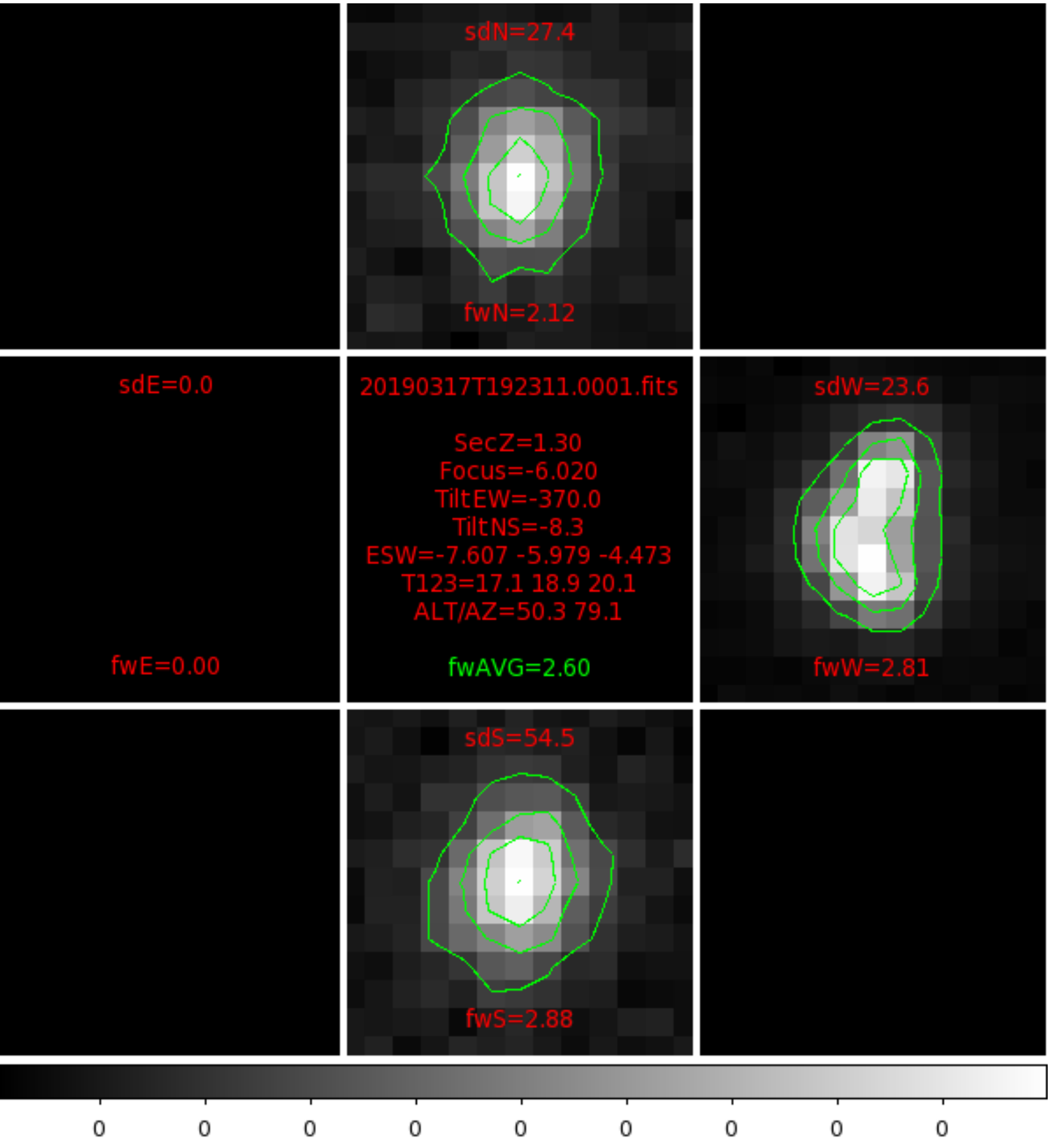

sdN=141.5
fwN=2.28
sdE=29.9
fwE=1.28
20190317T192148.0001.fits
SecZ=1.40
Focus=-6.020
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.607 -5.979 -4.473
T123=17.1 18.9 20.1
ALT/AZ=45.6 79.5
fwAVG=2.43
sdW=234.3
fwW=2.61
sdS=164.6
fwS=2.41
0 0 0 0 0 0 0 0 0


sdN=27.4
fwN=2.12
sdE=0.0
fwE=0.00
20190317T192311.0001.fits
SecZ=1.30
Focus=-6.020
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.607 -5.979 -4.473
T123=17.1 18.9 20.1
ALT/AZ=50.3 79.1
fwAVG=2.60
sdW=23.6
fwW=2.81
sdS=54.5
fwS=2.88
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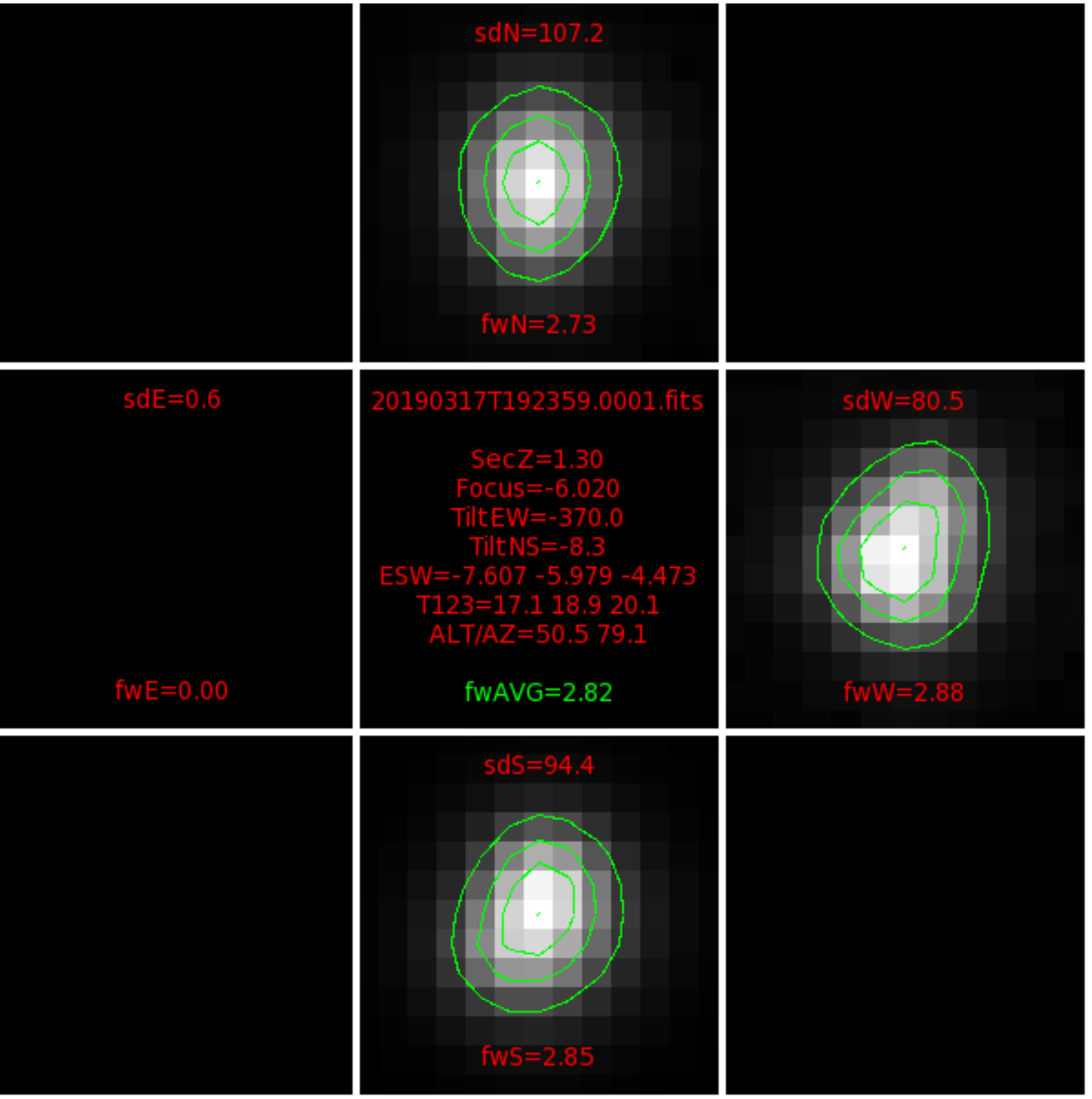
sdN=107.2
fwN=2.73
sdE=0.6
fwE=0.00
20190317T192359.0001.fits
SecZ=1.30
Focus=-6.020
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.607 -5.979 -4.473
T123=17.1 18.9 20.1
ALT/AZ=50.5 79.1
fwAVG=2.82
sdW=80.5
fwW=2.88
sdS=94.4
fwS=2.85
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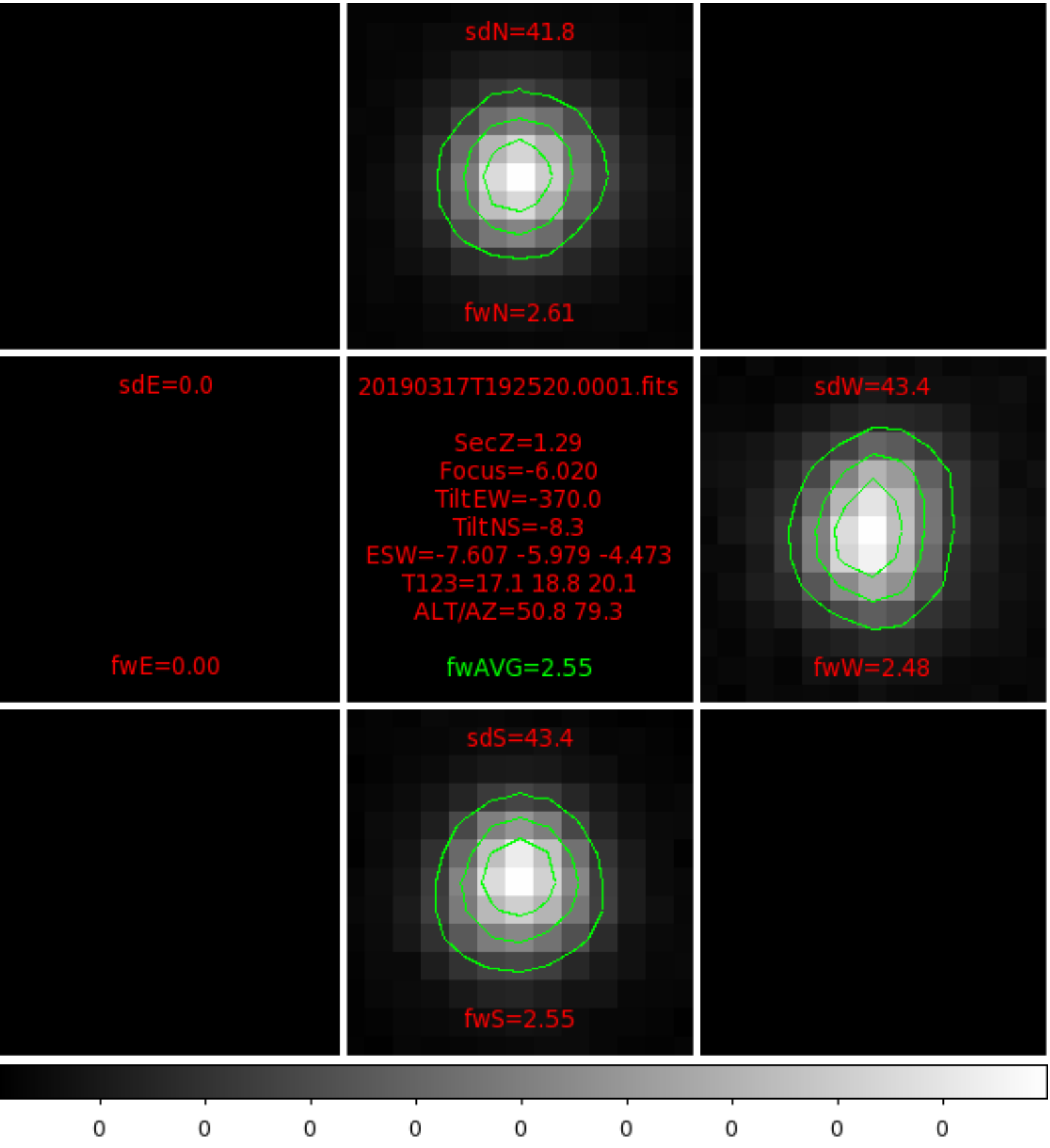
sdN=41.8
fwN=2.61
sdE=0.0
fwE=0.00
20190317T192520.0001.fits
SecZ=1.29
Focus=-6.020
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.607 -5.979 -4.473
T123=17.1 18.8 20.1
ALT/AZ=50.8 79.3
fwAVG=2.55
sdW=43.4
fwW=2.48
sdS=43.4
fwS=2.55
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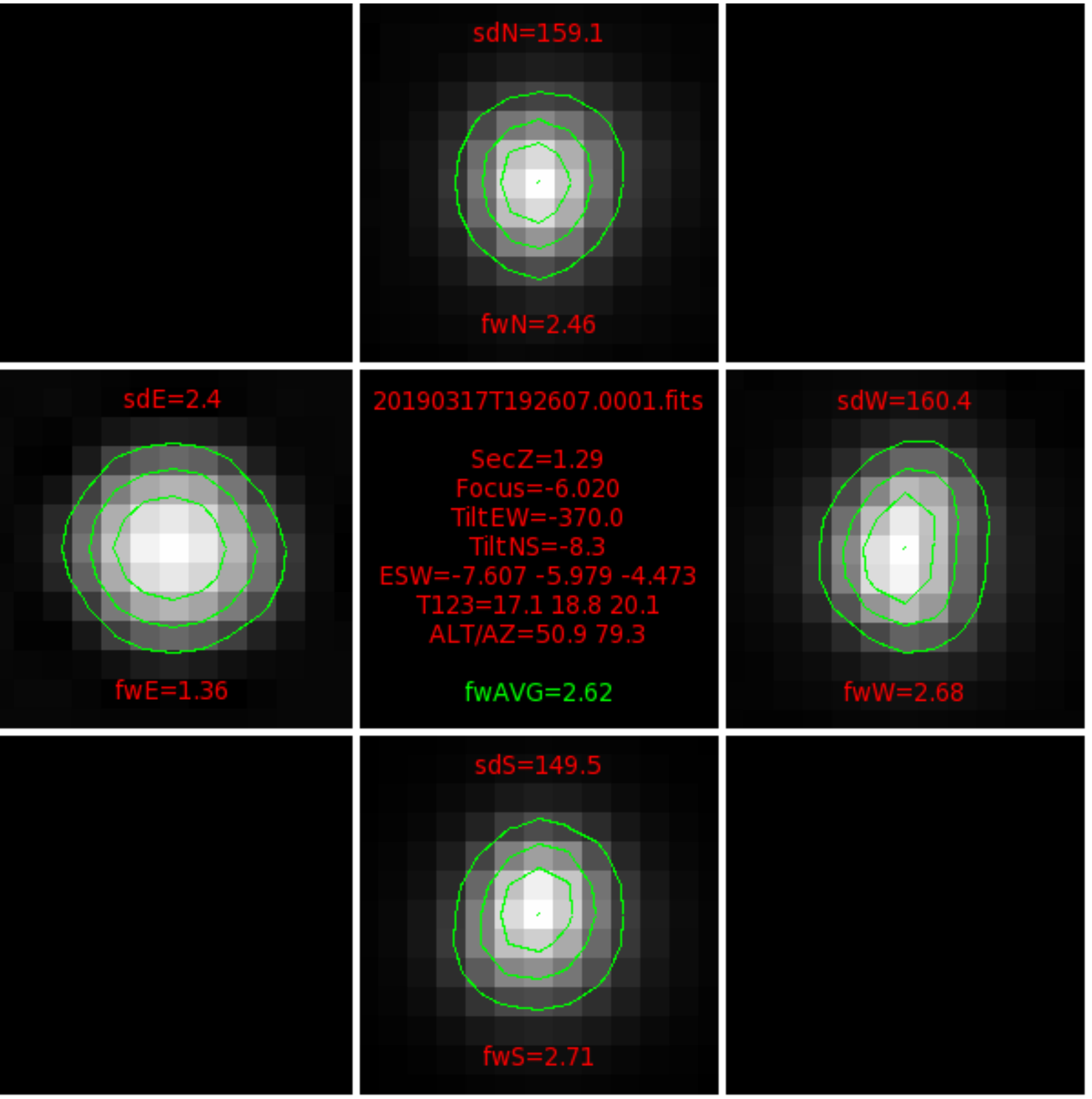
sdN=159.1
fwN=2.46
sdE=2.4
fwE=1.36
20190317T192607.0001.fits
SecZ=1.29
Focus=-6.020
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.607 -5.979 -4.473
T123=17.1 18.8 20.1
ALT/AZ=50.9 79.3
fwAVG=2.62
sdW=160.4
fwW=2.68
sdS=149.5
fwS=2.71
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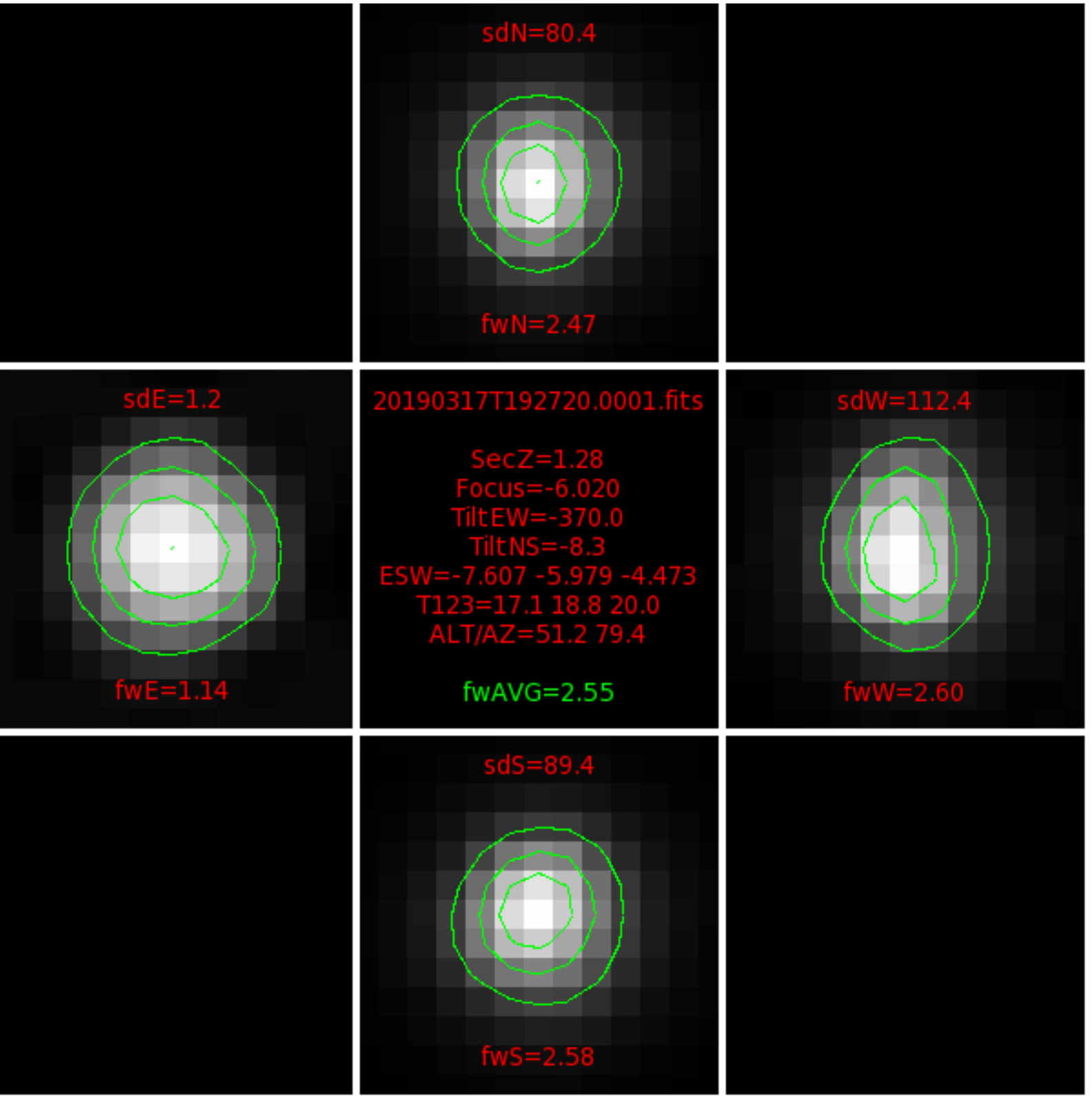
sdN=80.4
fwN=2.47
sdE=1.2
fwE=1.14
20190317T192720.0001.fits
SecZ=1.28
Focus=-6.020
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.607 -5.979 -4.473
T123=17.1 18.8 20.0
ALT/AZ=51.2 79.4
fwAVG=2.55
sdW=112.4
fwW=2.60
sdS=89.4
fwS=2.58
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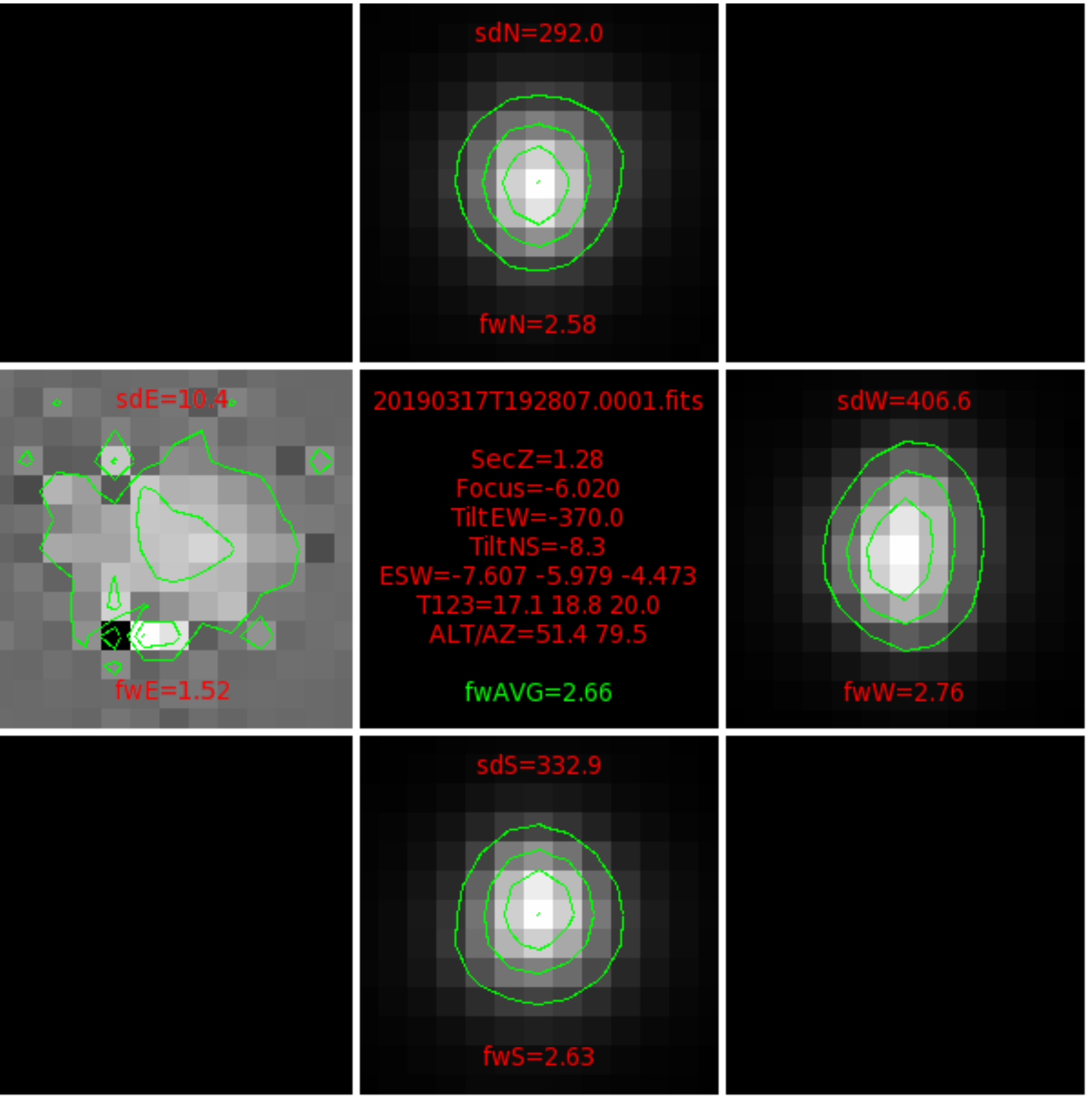
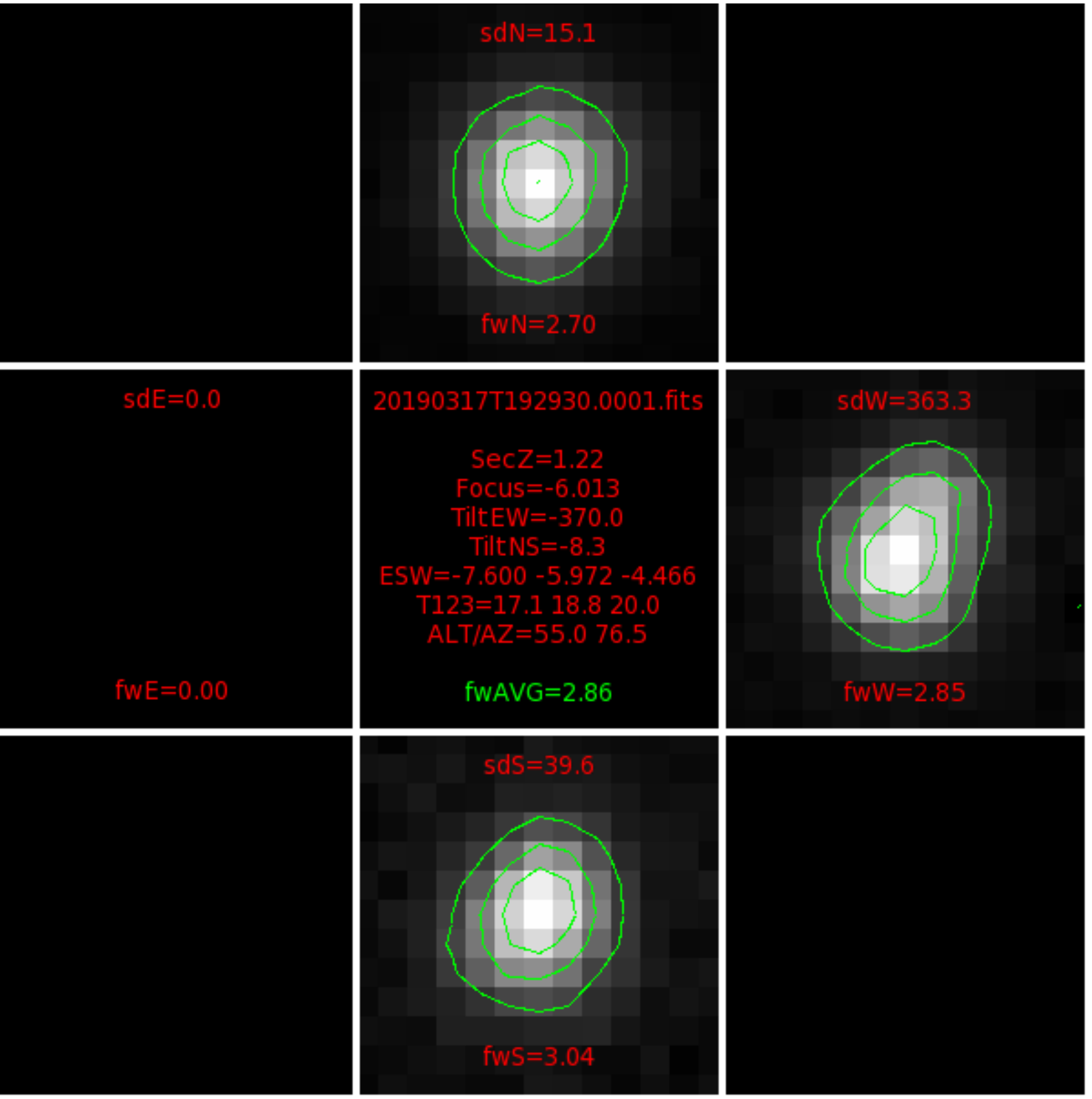

sdN=292.0
fwN=2.58
sdE=10.4
fwE=1.52
20190317T192807.0001.fits
SecZ=1.28
Focus=-6.020
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.607 -5.979 -4.473
T123=17.1 18.8 20.0
ALT/AZ=51.4 79.5
fwAVG=2.66
sdW=406.6
fwW=2.76
sdS=332.9
fwS=2.63
0 0 0 0 0 0 0 0 0


sdN=15.1
fwN=2.70
sdE=0.0
fwE=0.00
20190317T192930.0001.fits
SecZ=1.22
Focus=-6.013
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.600 -5.972 -4.466
T123=17.1 18.8 20.0
ALT/AZ=55.0 76.5
fwAVG=2.86
sdW=363.3
fwW=2.85
sdS=39.6
fwS=3.04
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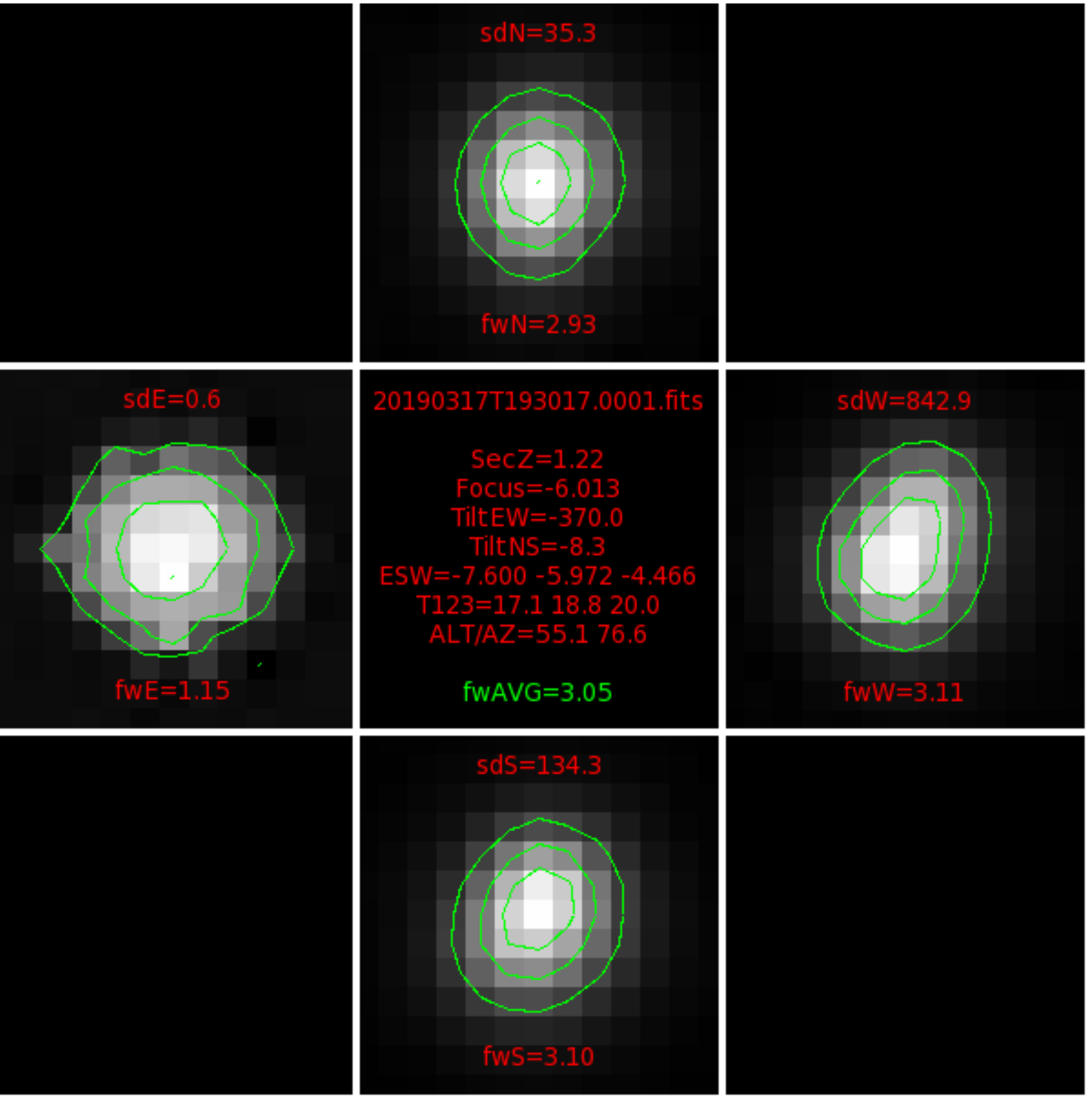
sdN=35.3
fwN=2.93
sdE=0.6
fwE=1.15
20190317T193017.0001.fits
SecZ=1.22
Focus=-6.013
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.600 -5.972 -4.466
T123=17.1 18.8 20.0
ALT/AZ=55.1 76.6
fwAVG=3.05
sdW=842.9
fwW=3.11
sdS=134.3
fwS=3.10
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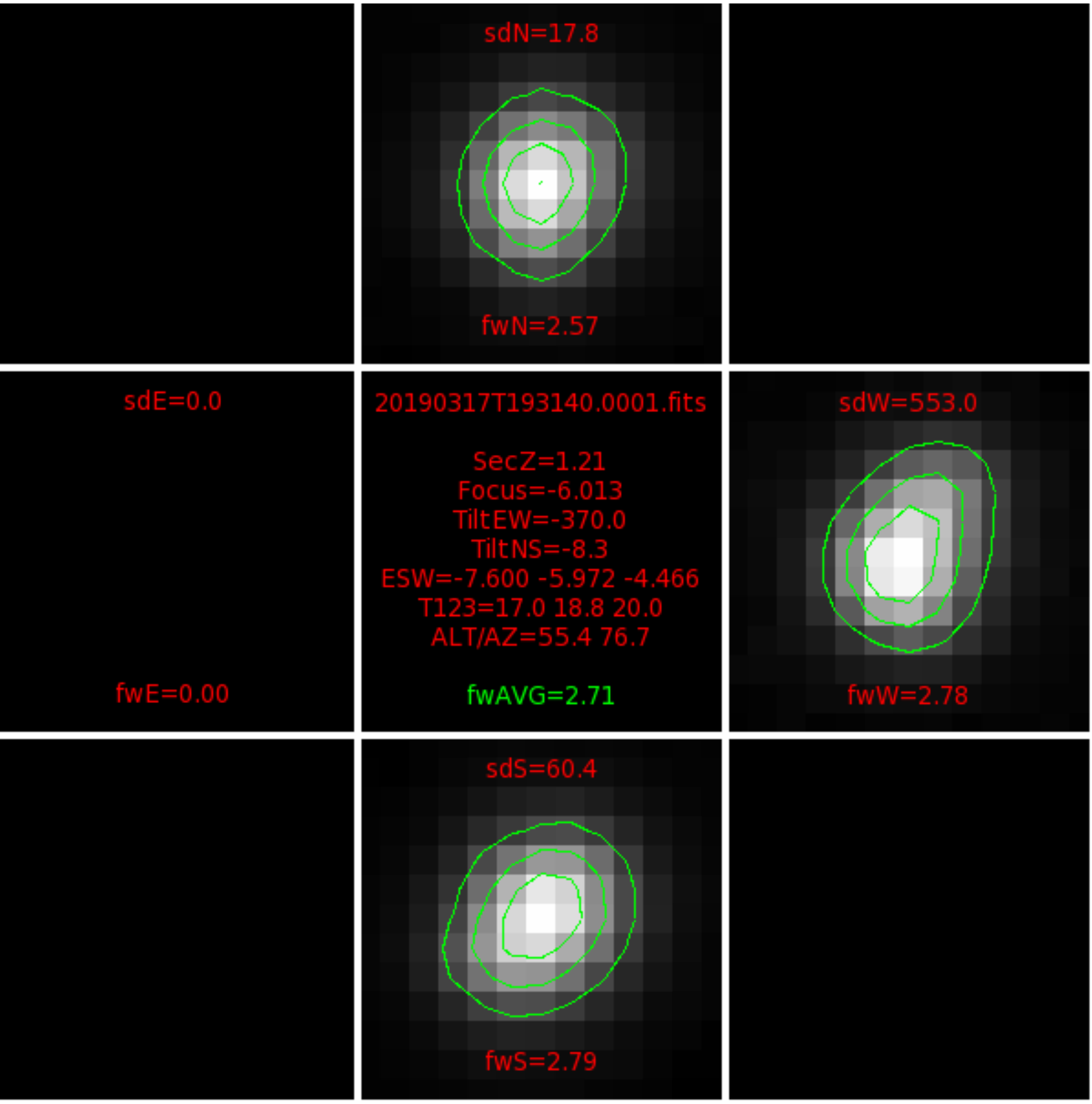
sdN=17.8
fwN=2.57
sdE=0.0
fwE=0.00
20190317T193140.0001.fits
SecZ=1.21
Focus=-6.013
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.600 -5.972 -4.466
T123=17.0 18.8 20.0
ALT/AZ=55.4 76.7
fwAVG=2.71
sdW=553.0
fwW=2.78
sdS=60.4
fwS=2.79
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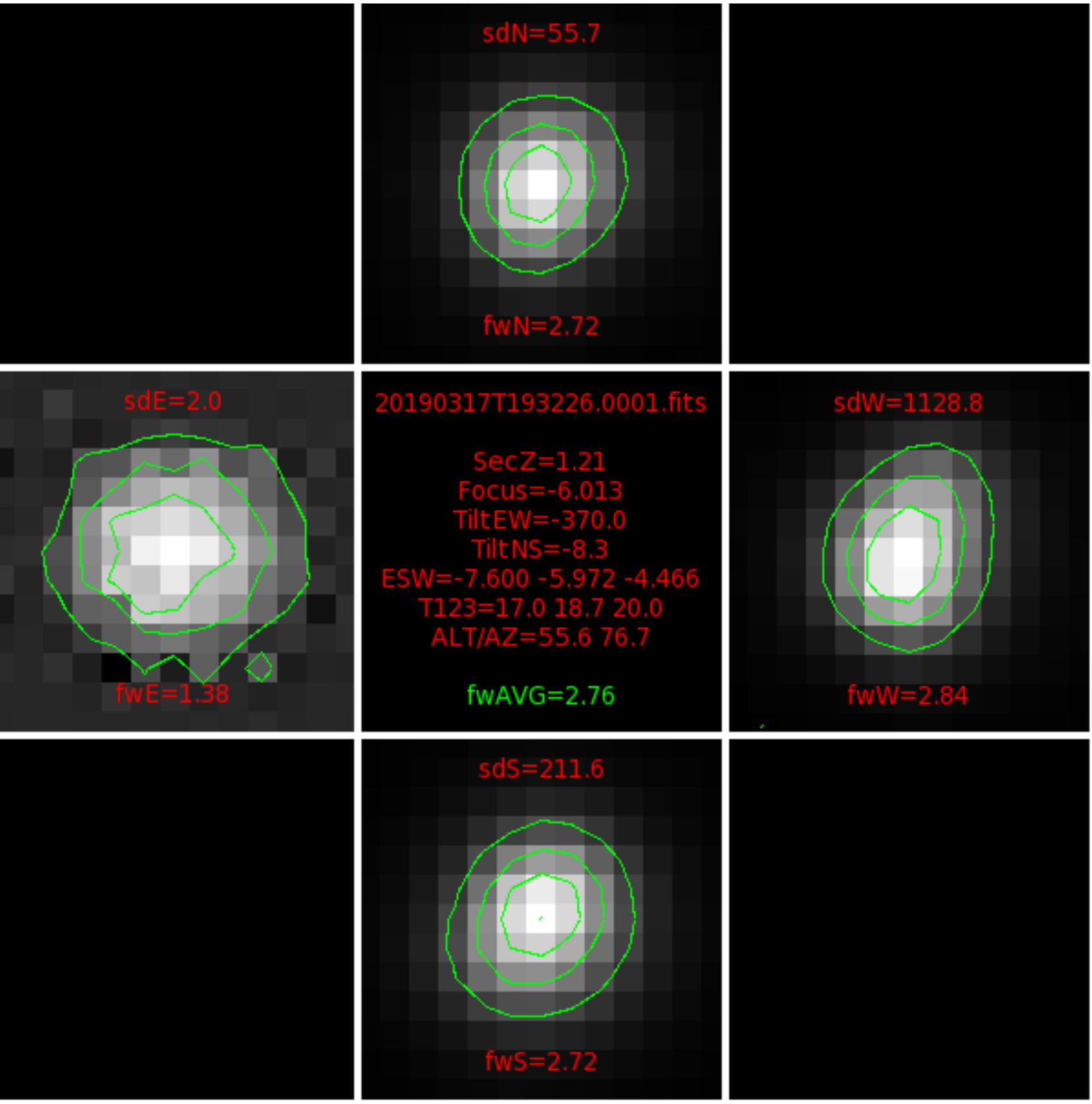
sdN=55.7
fwN=2.72
sdE=2.0
fwE=1.38
20190317T193226.0001.fits
SecZ=1.21
Focus=-6.013
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.600 -5.972 -4.466
T123=17.0 18.7 20.0
ALT/AZ=55.6 76.7
fwAVG=2.76
sdW=1128.8
fwW=2.84
sdS=211.6
fwS=2.72
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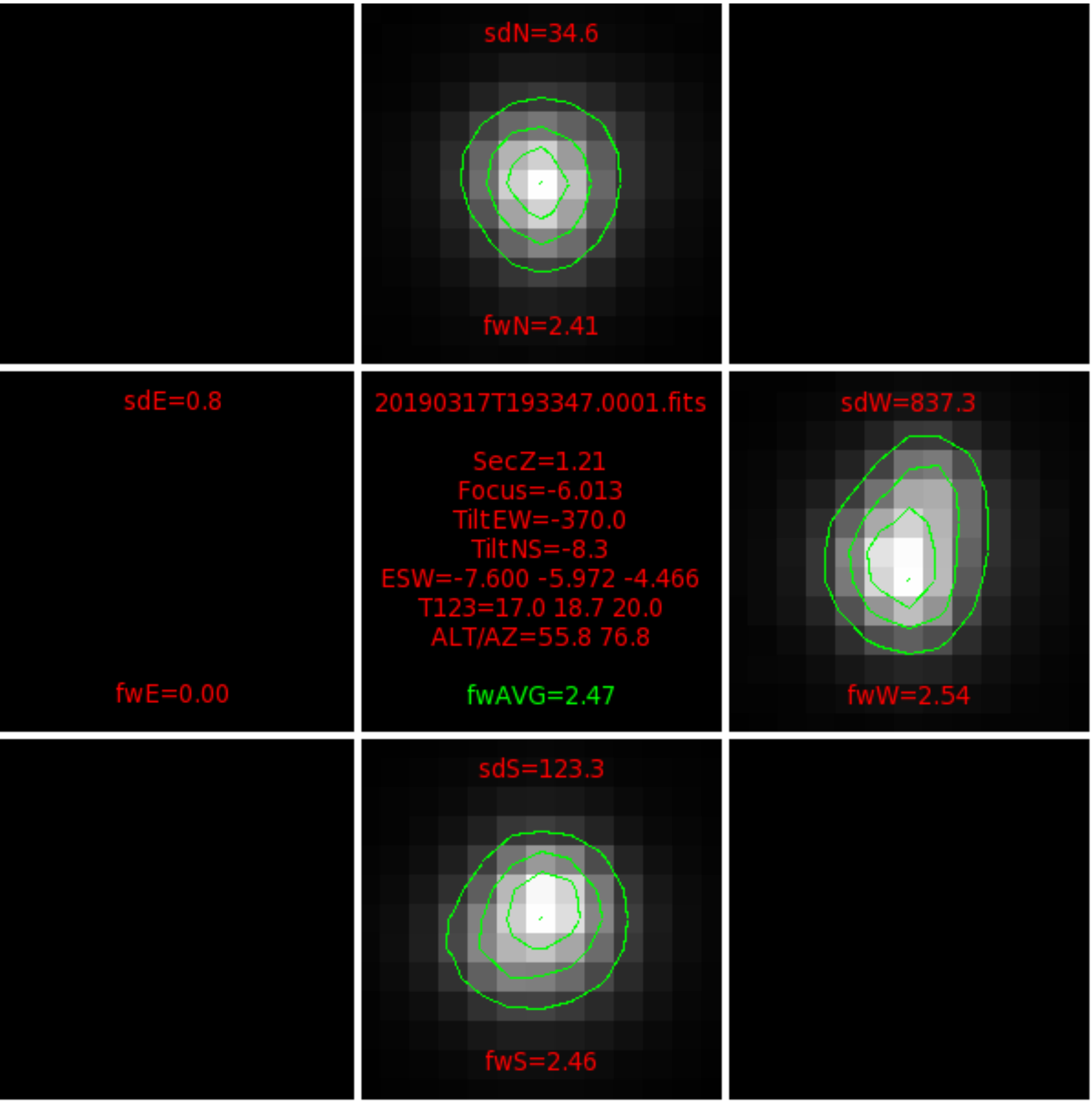
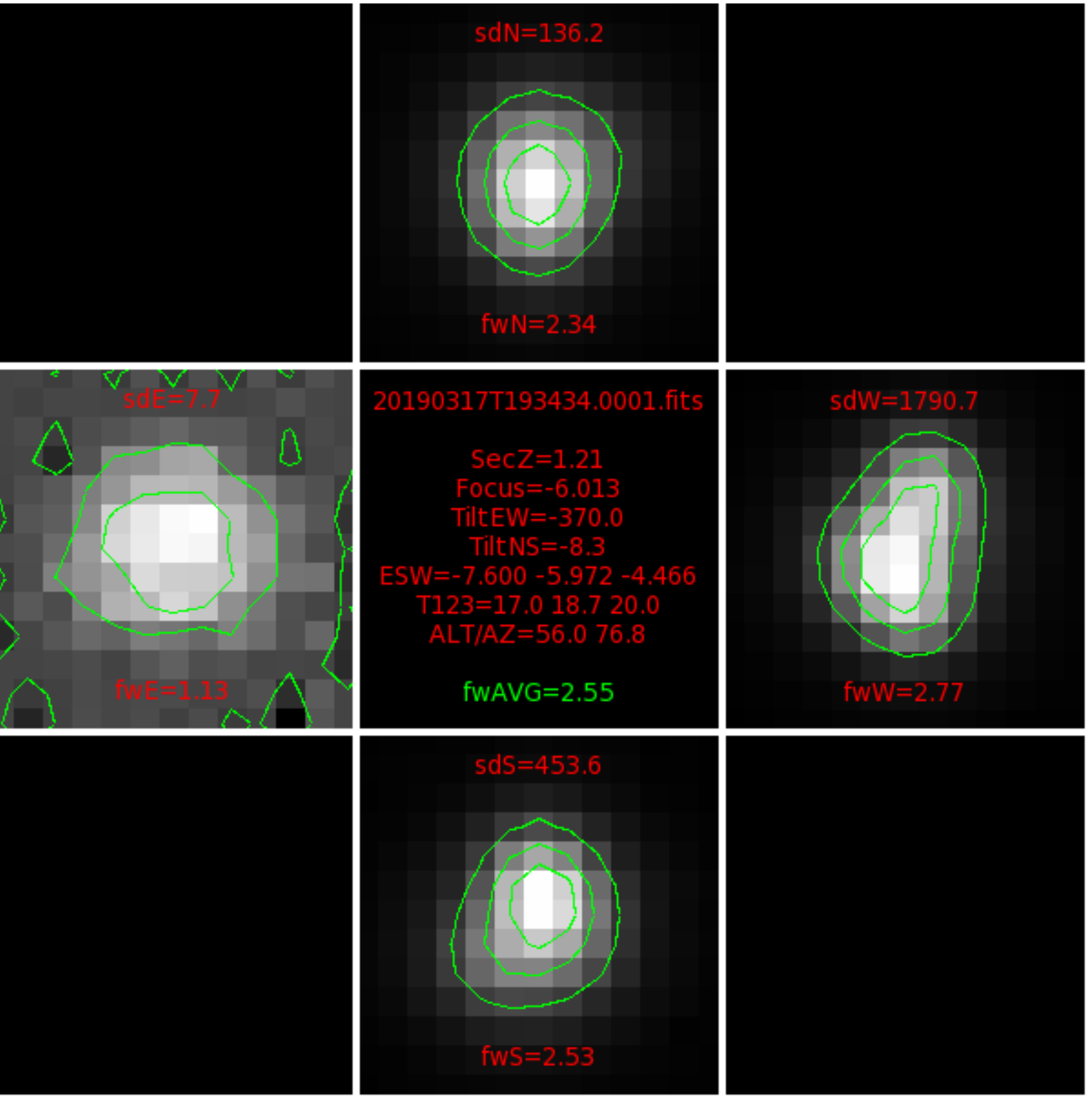

sdN=34.6
fwN=2.41
sdE=0.8
fwE=0.00
20190317T193347.0001.fits
SecZ=1.21
Focus=-6.013
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.600 -5.972 -4.466
T123=17.0 18.7 20.0
ALT/AZ=55.8 76.8
fwAVG=2.47
sdW=837.3
fwW=2.54
sdS=123.3
fwS=2.46
0 0 0 0 0 0 0 0 0


sdN=136.2
fwN=2.34
sdE=7.7
fwE=1.13
20190317T193434.0001.fits
SecZ=1.21
Focus=-6.013
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.600 -5.972 -4.466
T123=17.0 18.7 20.0
ALT/AZ=56.0 76.8
fwAVG=2.55
sdW=1790.7
fwW=2.77
sdS=453.6
fwS=2.53
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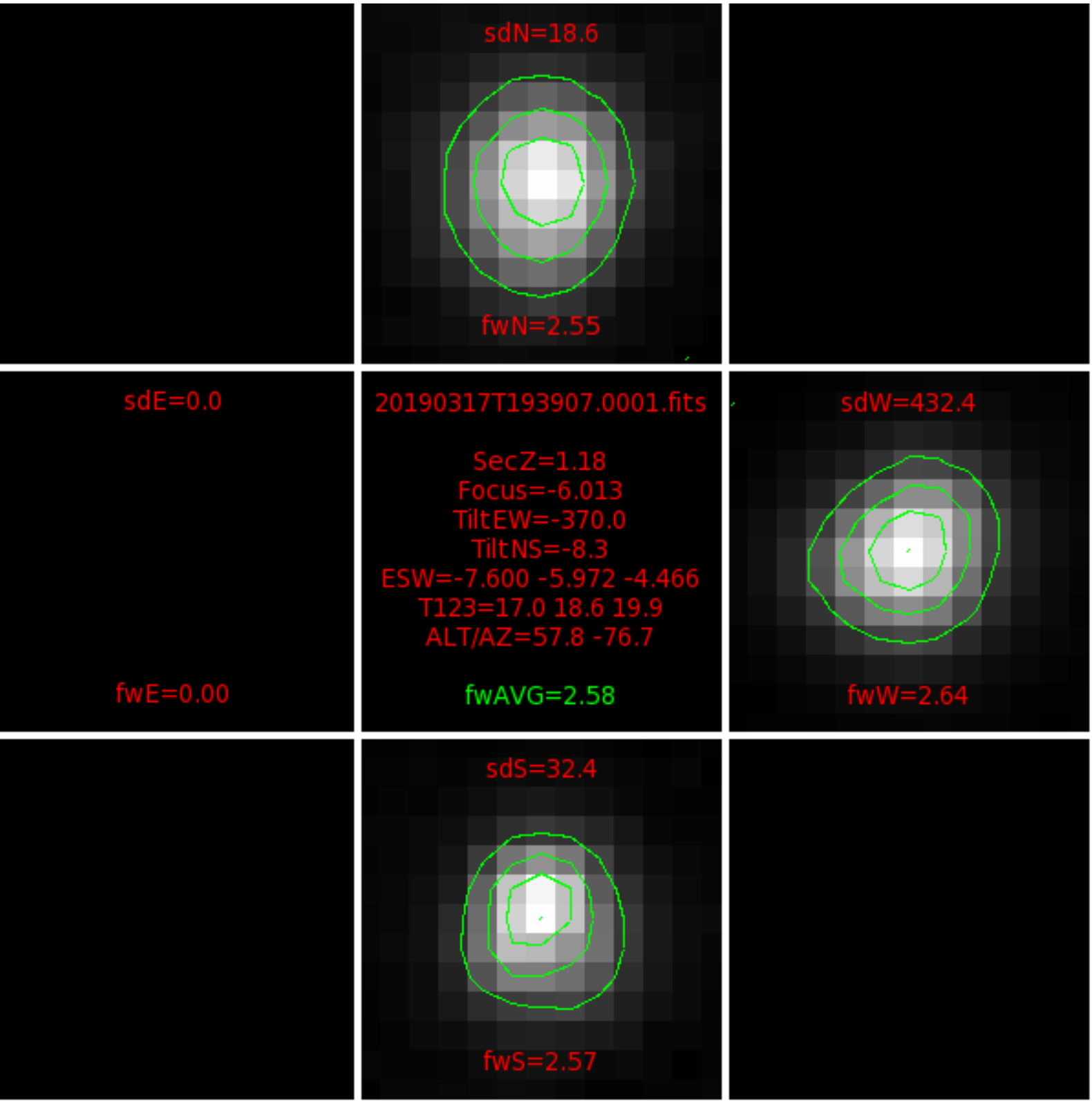
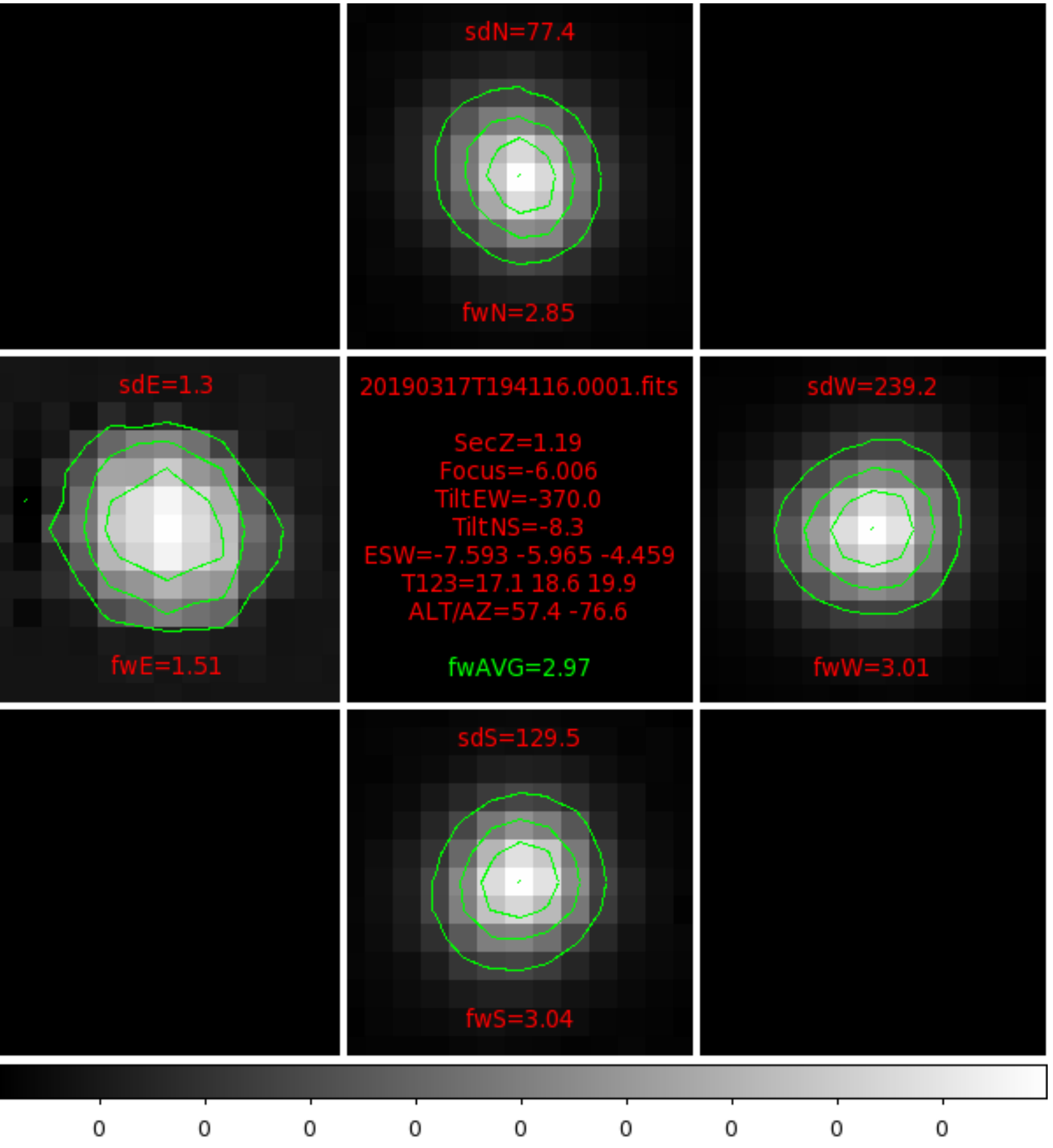
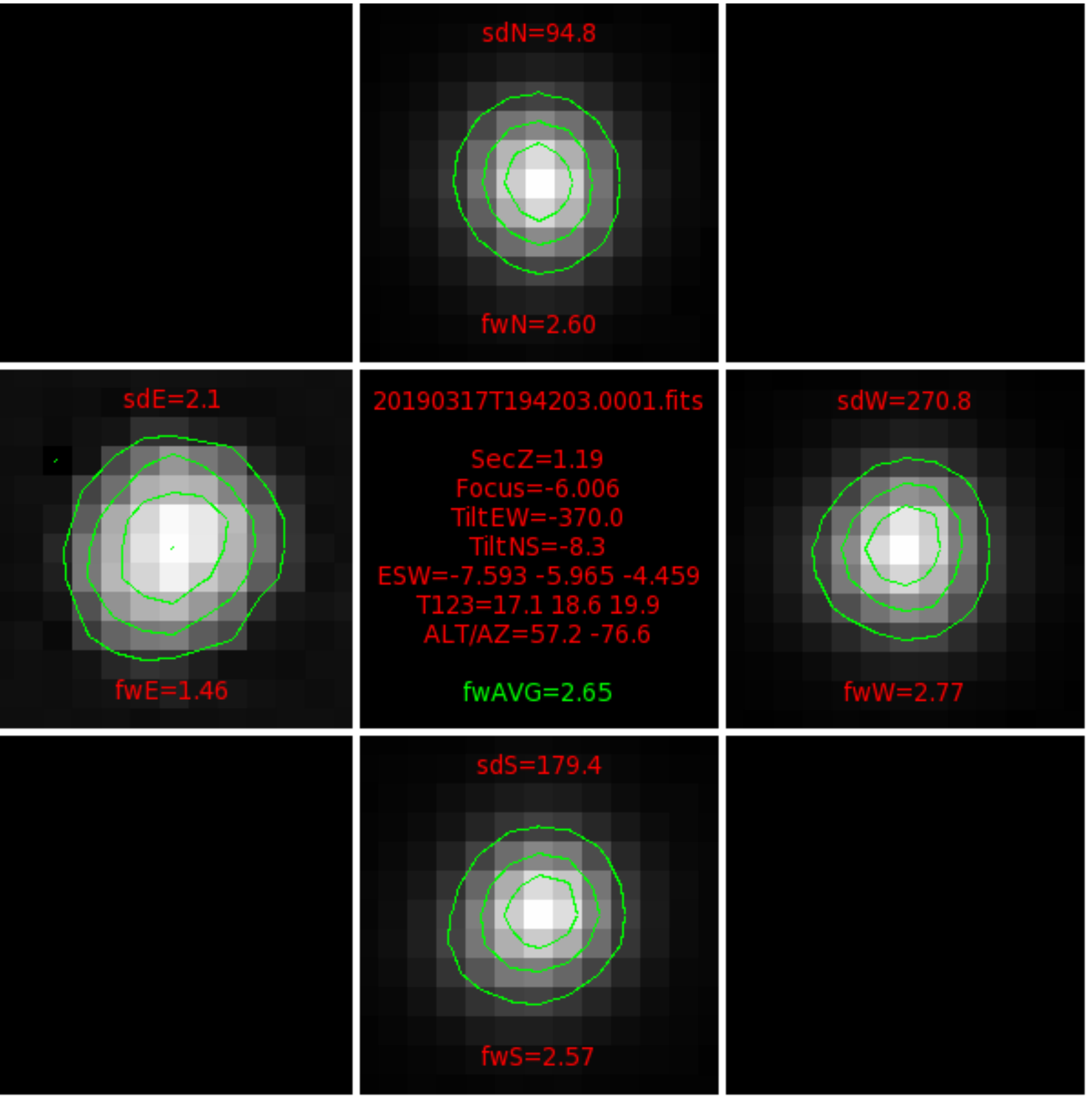
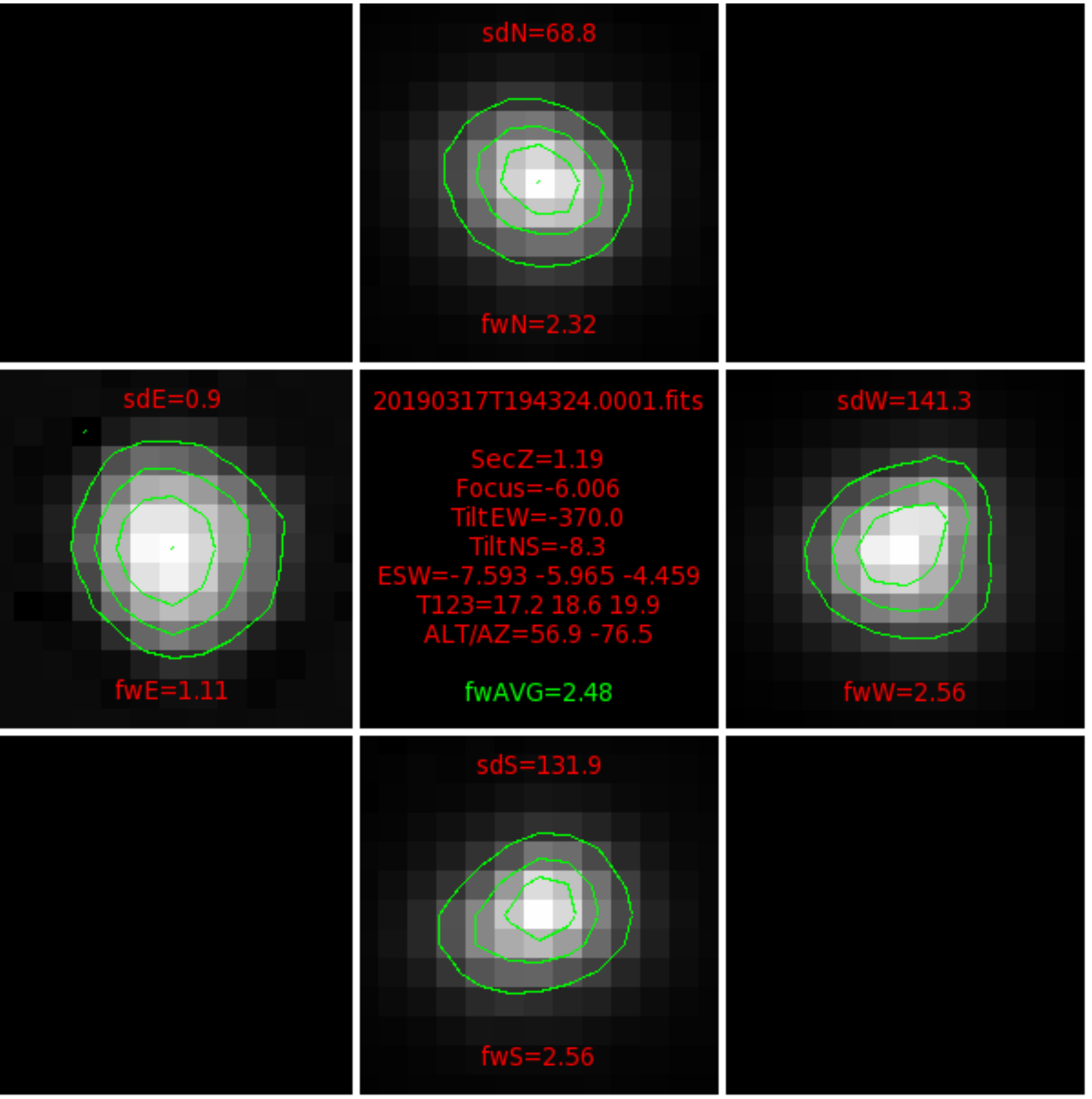
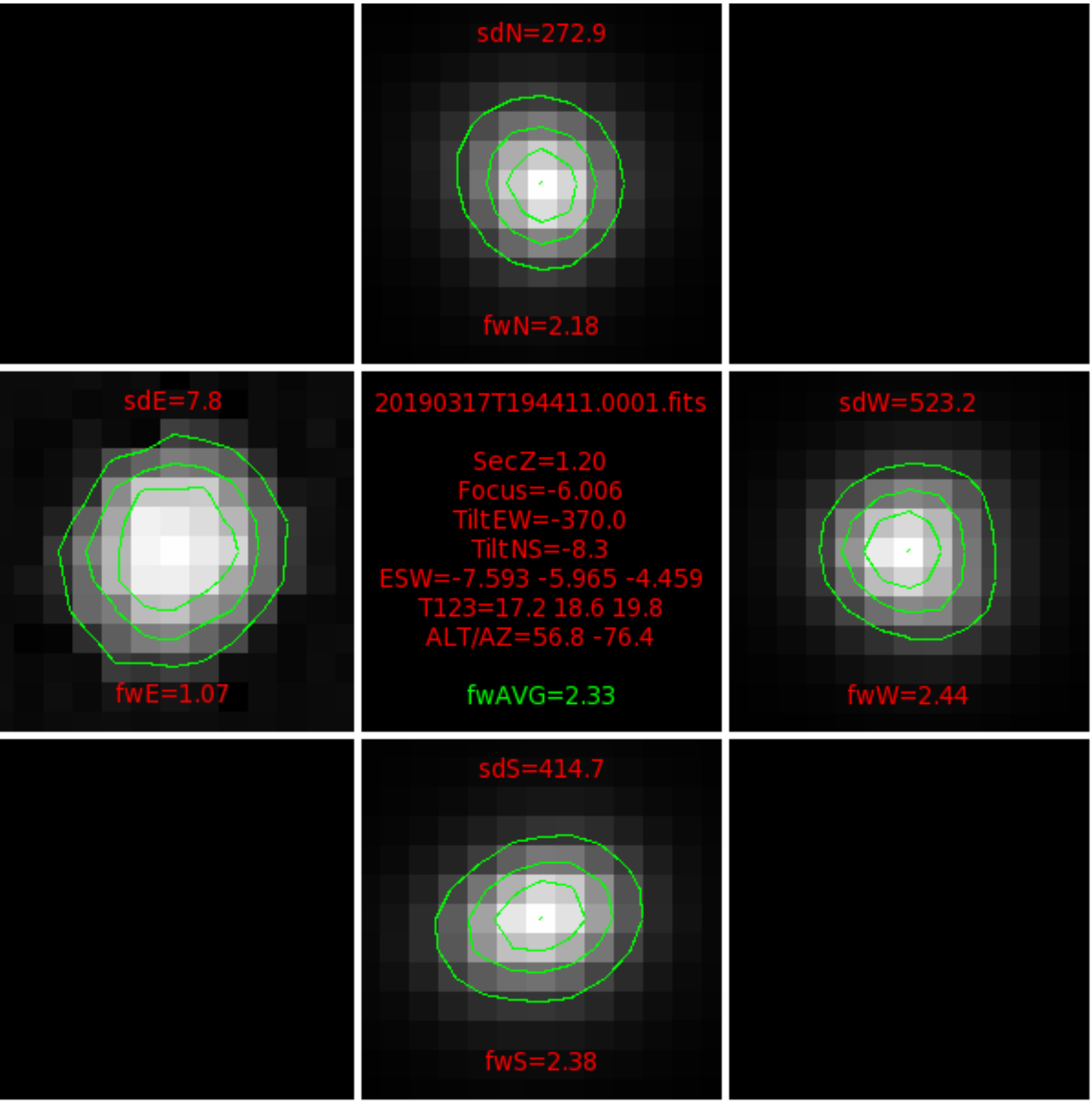
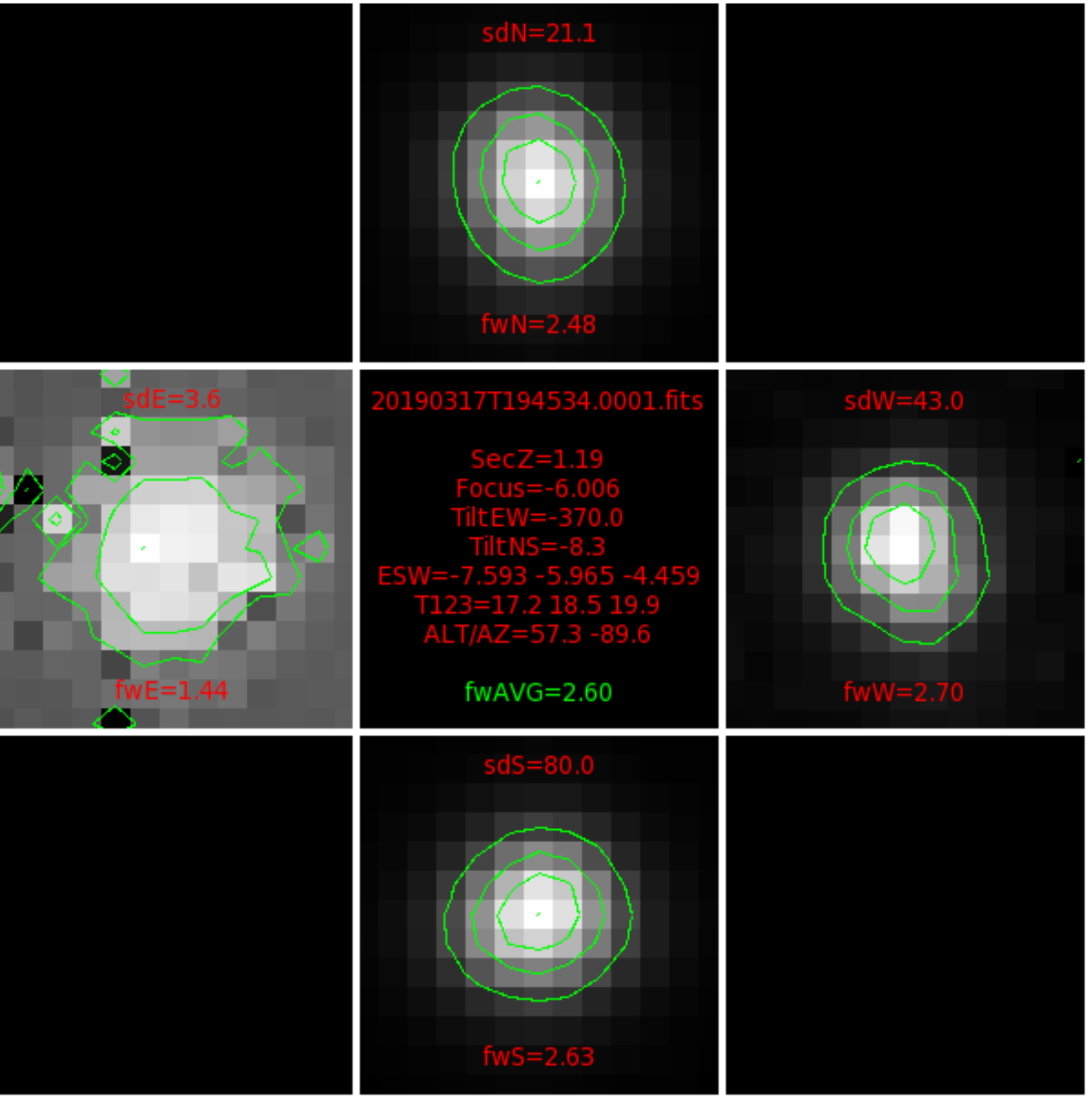

sdN=18.6
fwN=2.55
sdE=0.0
fwE=0.00
20190317T193907.0001.fits
SecZ=1.18
Focus=-6.013
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.600 -5.972 -4.466
T123=17.0 18.6 19.9
ALT/AZ=57.8 -76.7
fwAVG=2.58
sdW=432.4
fwW=2.64
sdS=32.4
fwS=2.57
0 0 0 0 0 0 0 0 0

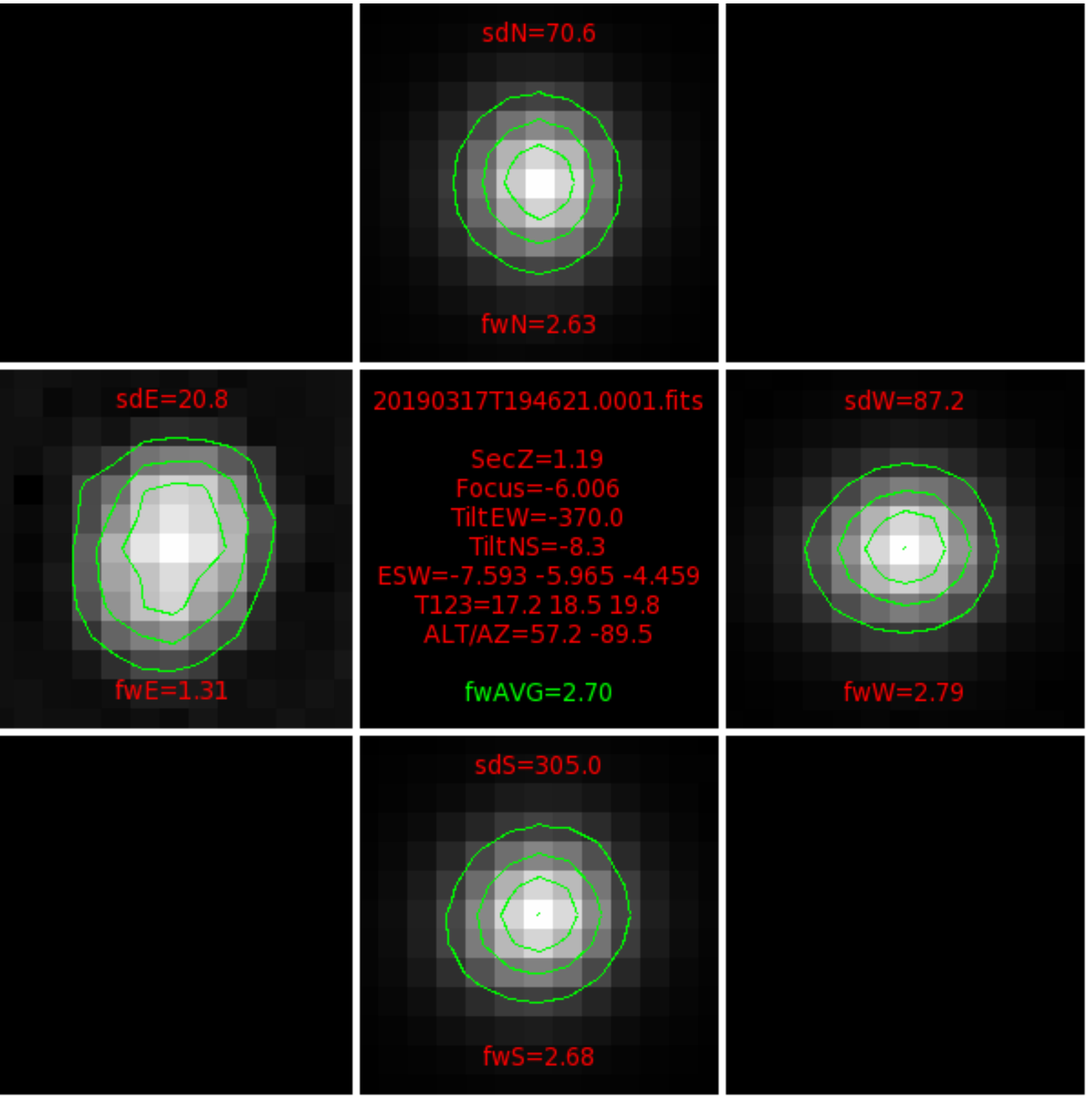

sdN=77.4
fwN=2.85
sdE=1.3
fwE=1.51
20190317T194116.0001.fits
SecZ=1.19
Focus=-6.006
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.593 -5.965 -4.459
T123=17.1 18.6 19.9
ALT/AZ=57.4 -76.6
fwAVG=2.97
sdW=239.2
fwW=3.01
sdS=129.5
fwS=3.04
0 0 0 0 0 0 0 0 0

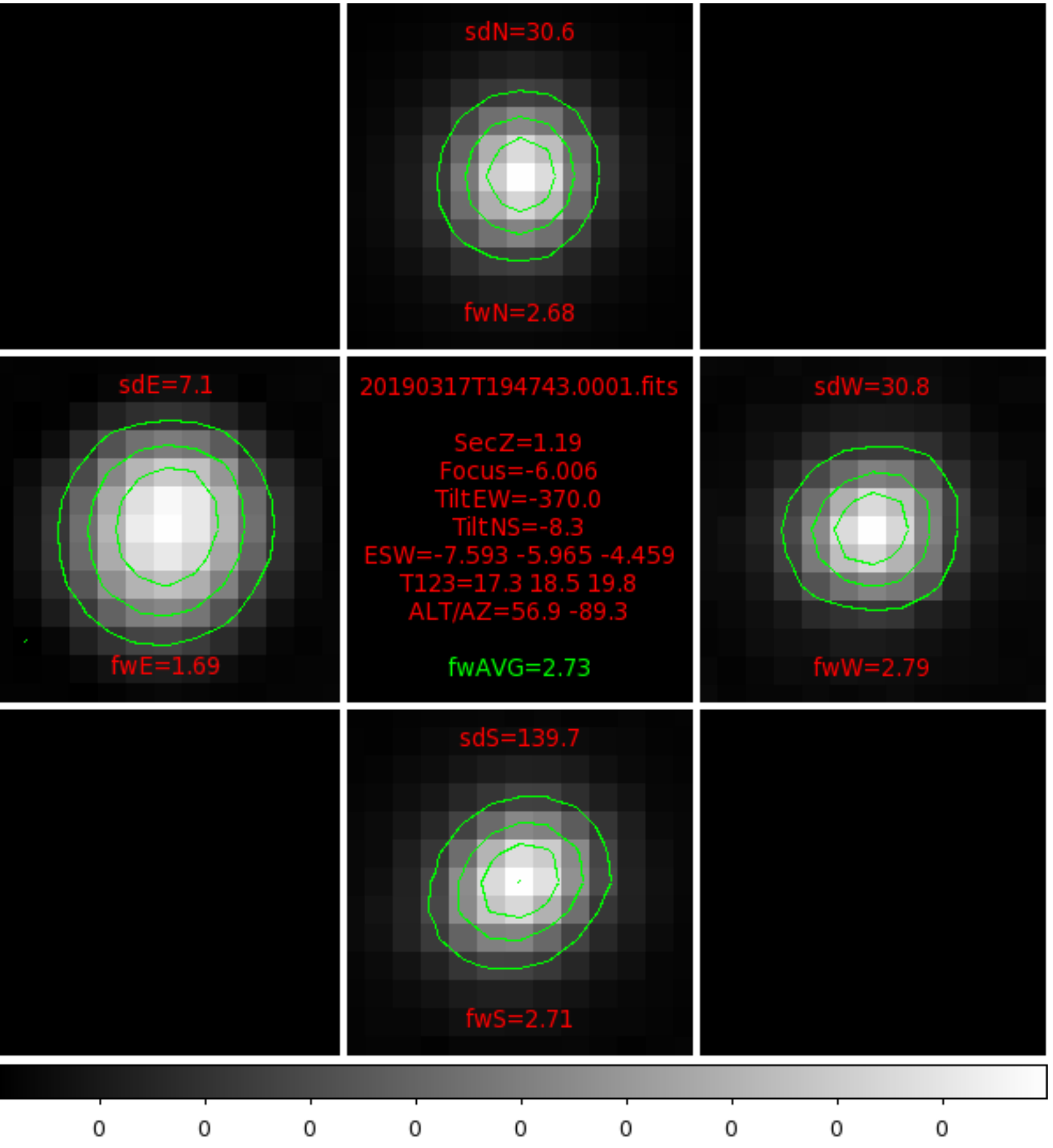

sdN=94.8
fwN=2.60
sdE=2.1
fwE=1.46
20190317T194203.0001.fits
SecZ=1.19
Focus=-6.006
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.593 -5.965 -4.459
T123=17.1 18.6 19.9
ALT/AZ=57.2 -76.6
fwAVG=2.65
sdW=270.8
fwW=2.77
sdS=179.4
fwS=2.57
0 0 0 0 0 0 0 0 0


sdN=68.8
fwN=2.32
sdE=0.9
fwE=1.11
20190317T194324.0001.fits
SecZ=1.19
Focus=-6.006
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.593 -5.965 -4.459
T123=17.2 18.6 19.9
ALT/AZ=56.9 -76.5
fwAVG=2.48
sdW=141.3
fwW=2.56
sdS=131.9
fwS=2.56
0 0 0 0 0 0 0 0 0


sdN=272.9
fwN=2.18
sdE=7.8
fwE=1.07
20190317T194411.0001.fits
SecZ=1.20
Focus=-6.006
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.593 -5.965 -4.459
T123=17.2 18.6 19.8
ALT/AZ=56.8 -76.4
fwAVG=2.33
sdW=523.2
fwW=2.44
sdS=414.7
fwS=2.38
0 0 0 0 0 0 0 0 0


sdN=21.1
fwN=2.48
sdE=3.6
fwE=1.44
20190317T194534.0001.fits
SecZ=1.19
Focus=-6.006
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.593 -5.965 -4.459
T123=17.2 18.5 19.9
ALT/AZ=57.3 -89.6
fwAVG=2.60
sdW=43.0
fwW=2.70
sdS=80.0
fwS=2.63
0 0 0 0 0 0 0 0 0


sdN=70.6
fwN=2.63
sdE=20.8
fwE=1.31
20190317T194621.0001.fits
SecZ=1.19
Focus=-6.006
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.593 -5.965 -4.459
T123=17.2 18.5 19.8
ALT/AZ=57.2 -89.5
fwAVG=2.70
sdW=87.2
fwW=2.79
sdS=305.0
fwS=2.68
0 0 0 0 0 0 0 0 0


sdN=30.6
fwN=2.68
sdE=7.1
fwE=1.69
20190317T194743.0001.fits
SecZ=1.19
Focus=-6.006
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.593 -5.965 -4.459
T123=17.3 18.5 19.8
ALT/AZ=56.9 -89.3
fwAVG=2.73
sdW=30.8
fwW=2.79
sdS=139.7
fwS=2.71
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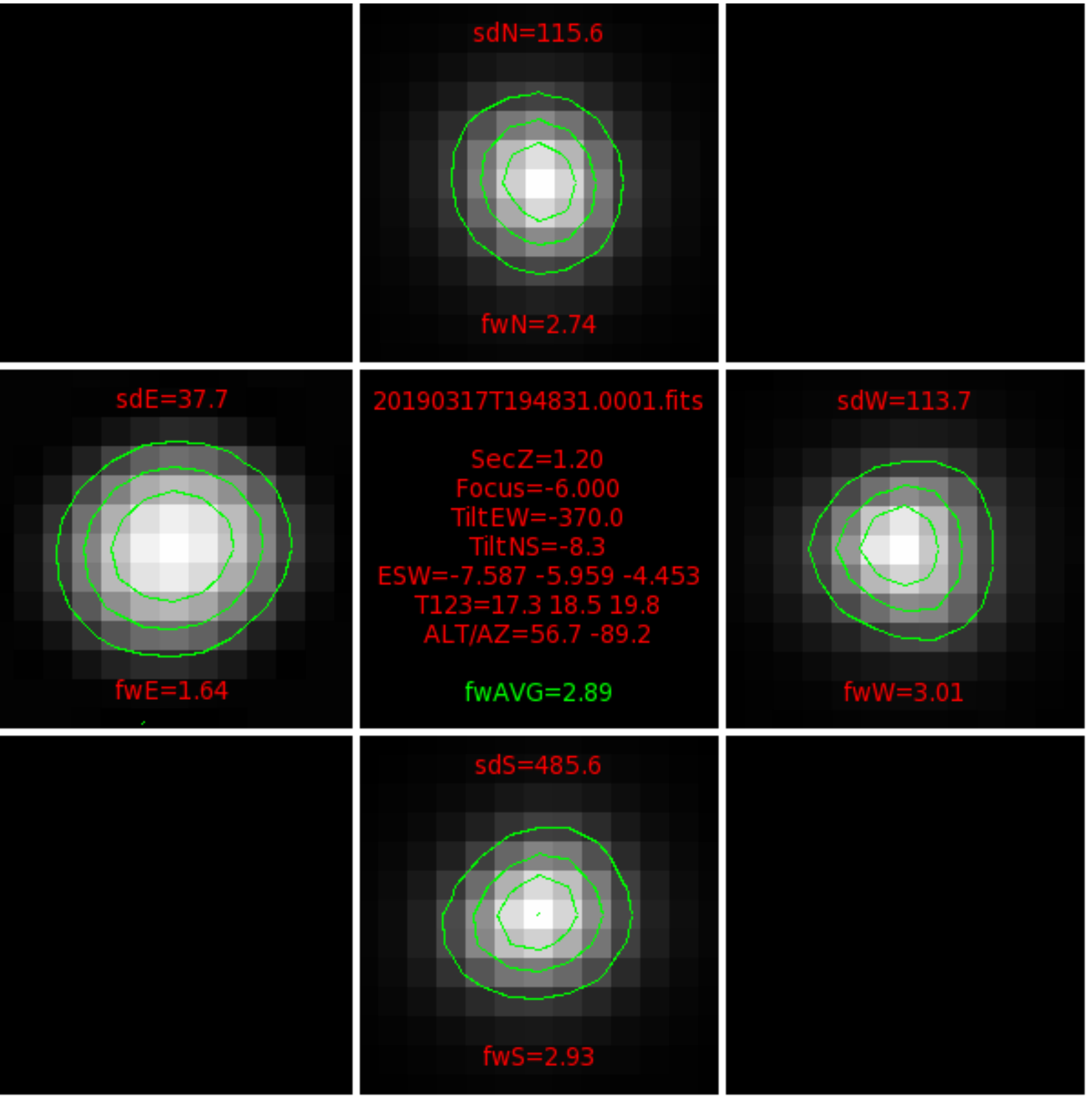
sdN=115.6
fwN=2.74
sdE=37.7
fwE=1.64
20190317T194831.0001.fits
SecZ=1.20
Focus=-6.000
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.587 -5.959 -4.453
T123=17.3 18.5 19.8
ALT/AZ=56.7 -89.2
fwAVG=2.89
sdW=113.7
fwW=3.01
sdS=485.6
fwS=2.93
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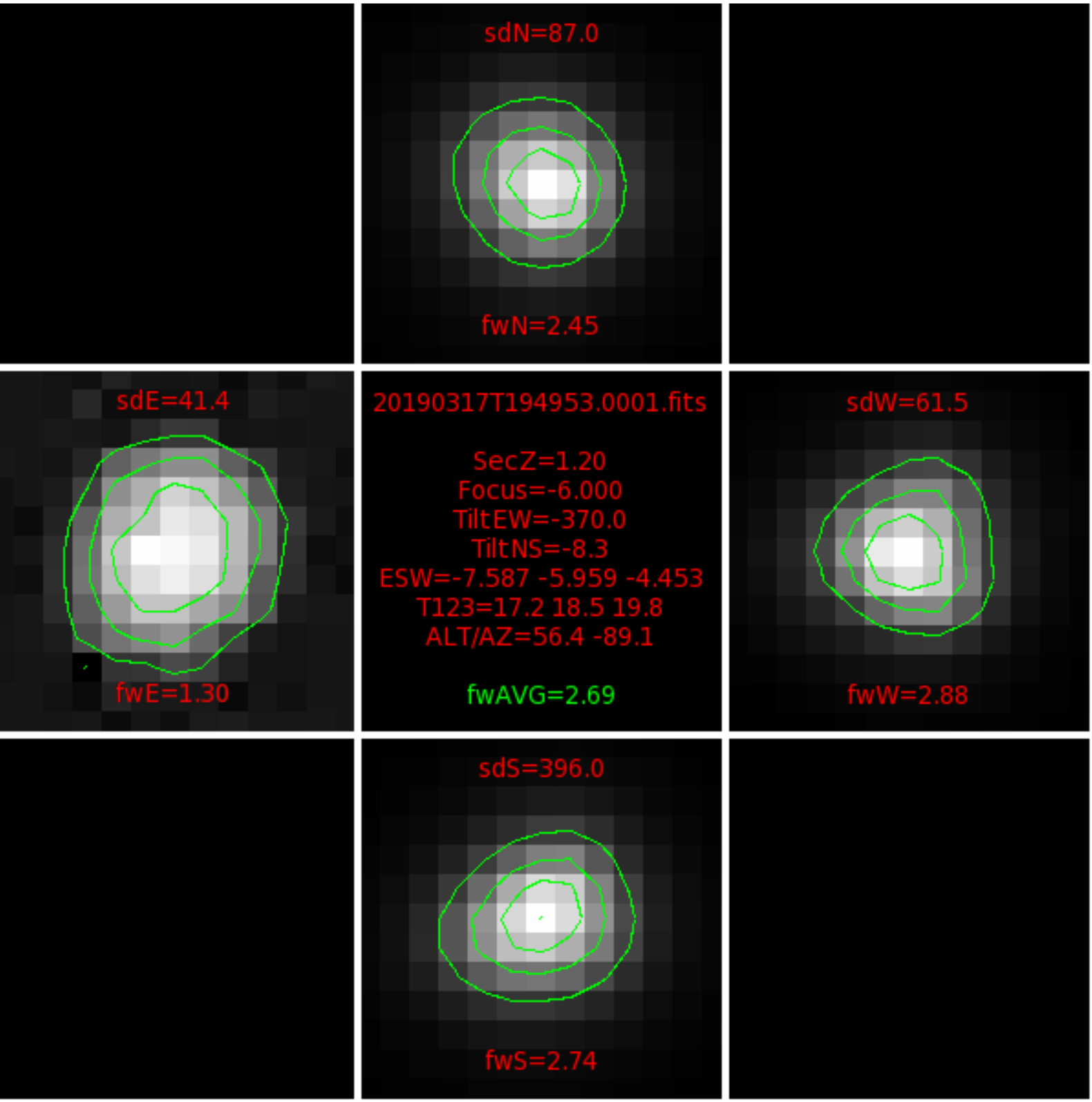
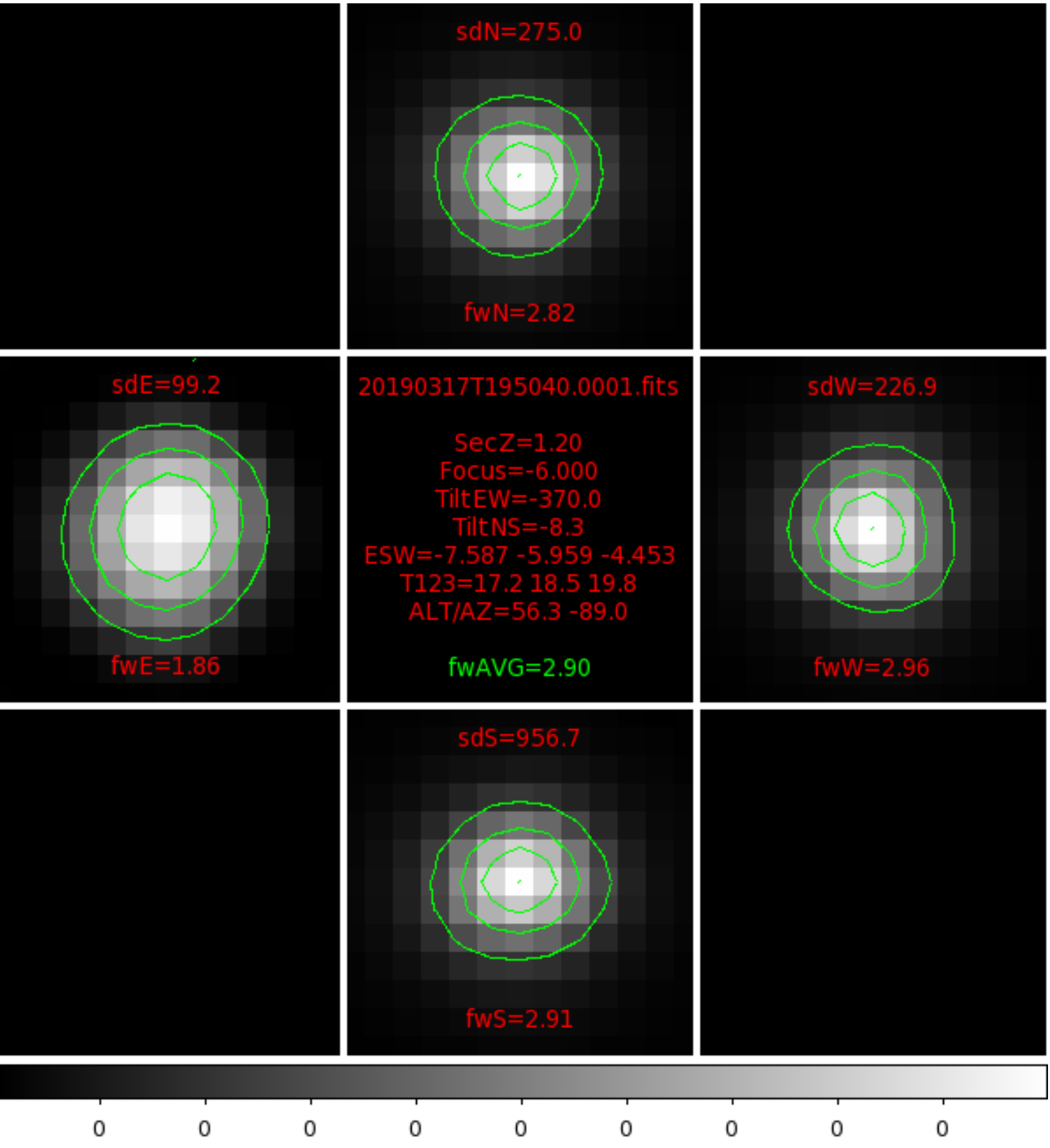

sdN=87.0
fwN=2.45
sdE=41.4
fwE=1.30
20190317T194953.0001.fits
SecZ=1.20
Focus=-6.000
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.587 -5.959 -4.453
T123=17.2 18.5 19.8
ALT/AZ=56.4 -89.1
fwAVG=2.69
sdW=61.5
fwW=2.88
sdS=396.0
fwS=2.74
0 0 0 0 0 0 0 0 0


sdN=275.0
fwN=2.82
sdE=99.2
fwE=1.86
20190317T195040.0001.fits
SecZ=1.20
Focus=-6.000
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.587 -5.959 -4.453
T123=17.2 18.5 19.8
ALT/AZ=56.3 -89.0
fwAVG=2.90
sdW=226.9
fwW=2.96
sdS=956.7
fwS=2.91
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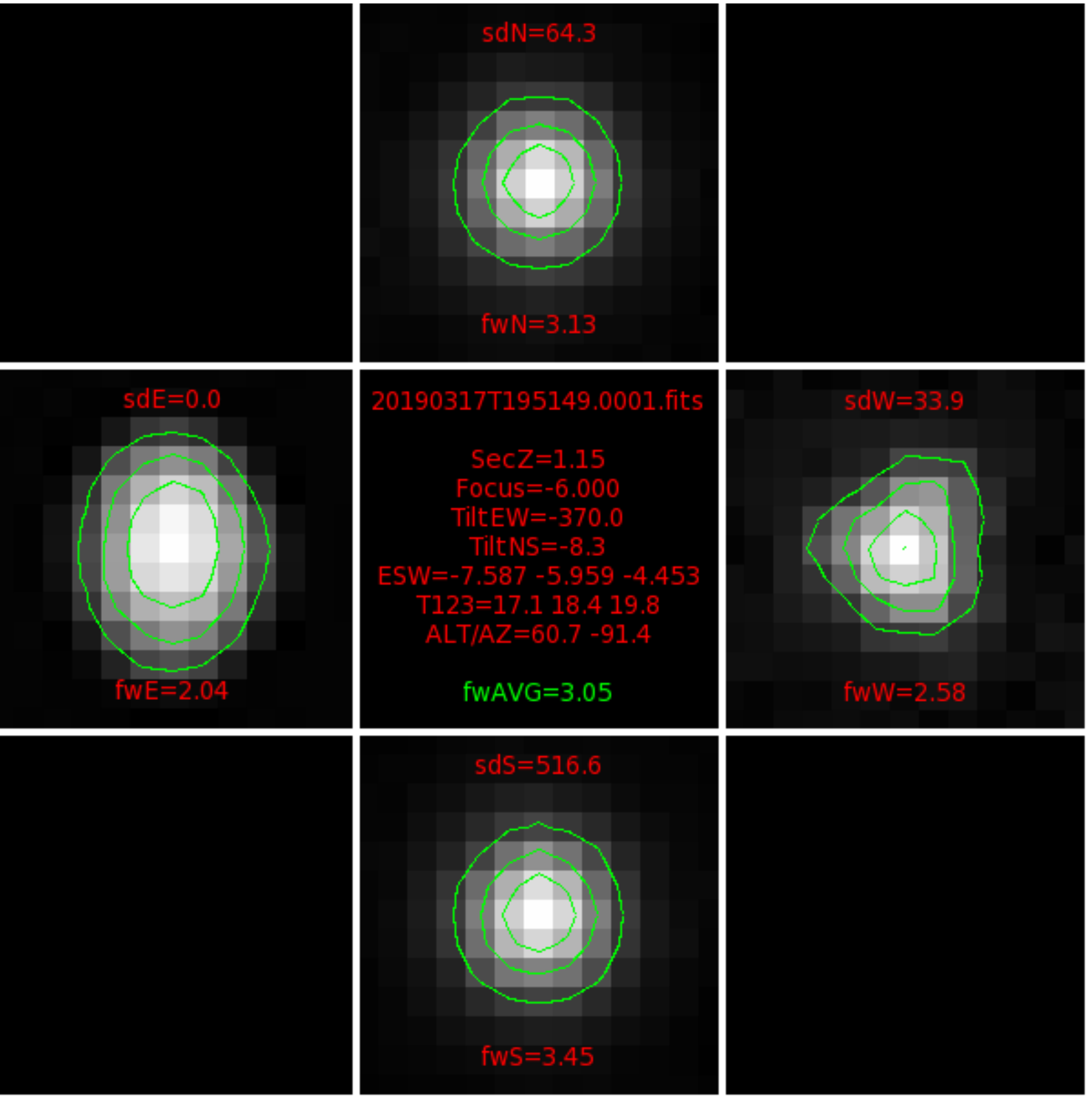
sdN=64.3
fwN=3.13
sdE=0.0
fwE=2.04
20190317T195149.0001.fits
SecZ=1.15
Focus=-6.000
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.587 -5.959 -4.453
T123=17.1 18.4 19.8
ALT/AZ=60.7 -91.4
fwAVG=3.05
sdW=33.9
fwW=2.58
sdS=516.6
fwS=3.45
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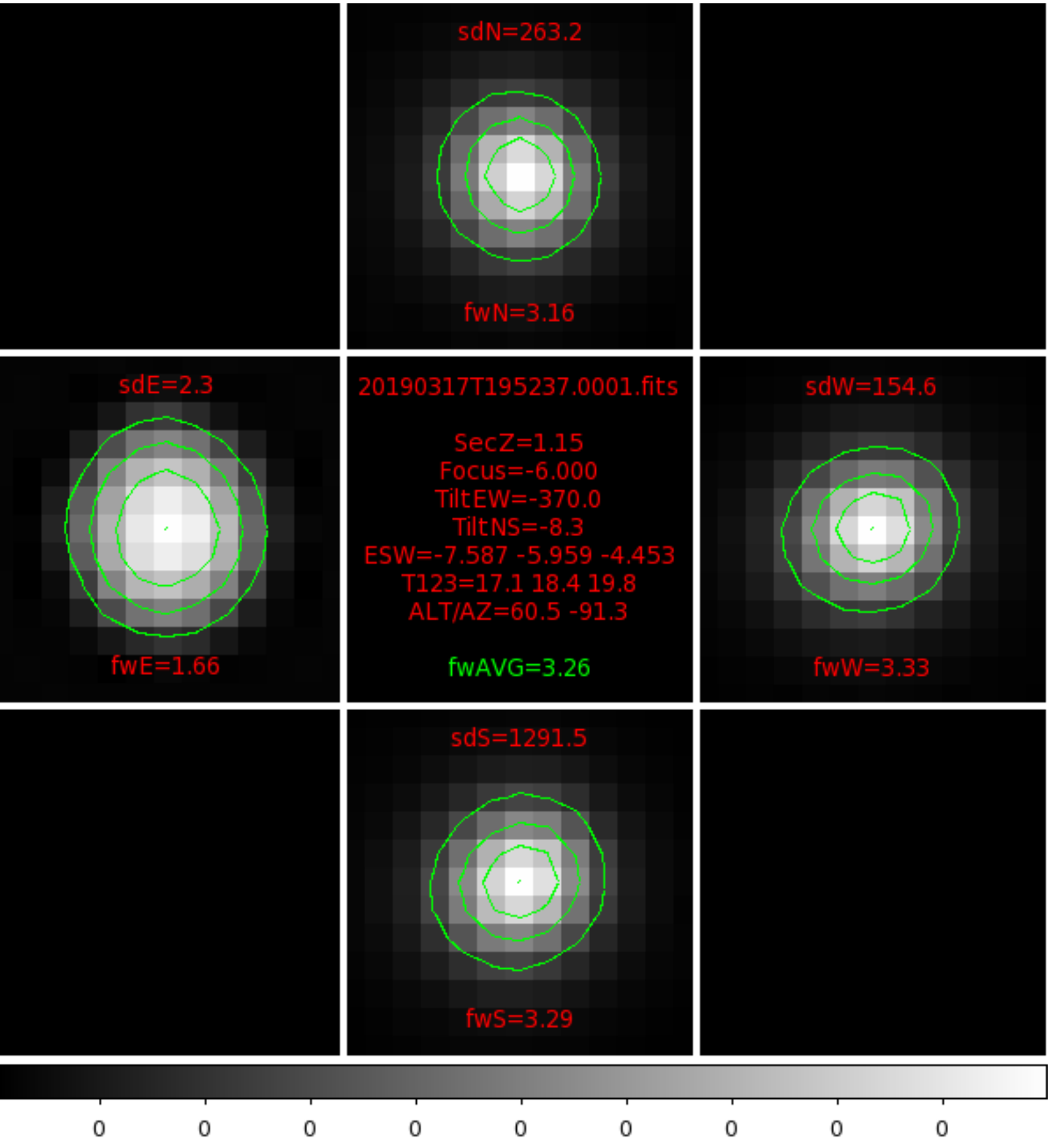
sdN=263.2
fwN=3.16
sdE=2.3
fwE=1.66
20190317T195237.0001.fits
SecZ=1.15
Focus=-6.000
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.587 -5.959 -4.453
T123=17.1 18.4 19.8
ALT/AZ=60.5 -91.3
fwAVG=3.26
sdW=154.6
fwW=3.33
sdS=1291.5
fwS=3.29
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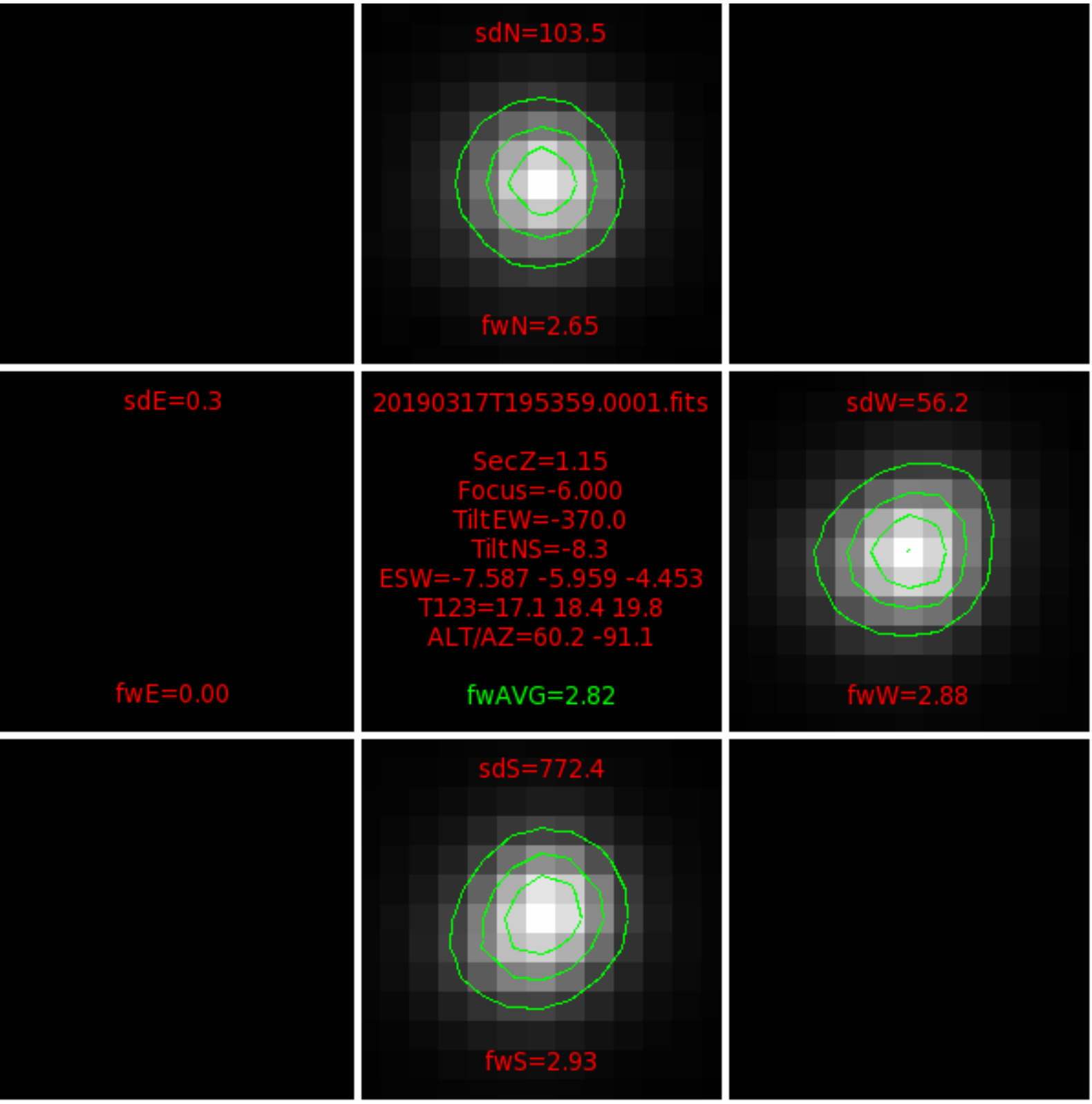
sdN=103.5
fwN=2.65
sdE=0.3
fwE=0.00
20190317T195359.0001.fits
SecZ=1.15
Focus=-6.000
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.587 -5.959 -4.453
T123=17.1 18.4 19.8
ALT/AZ=60.2 -91.1
fwAVG=2.82
sdW=56.2
fwW=2.88
sdS=772.4
fwS=2.93
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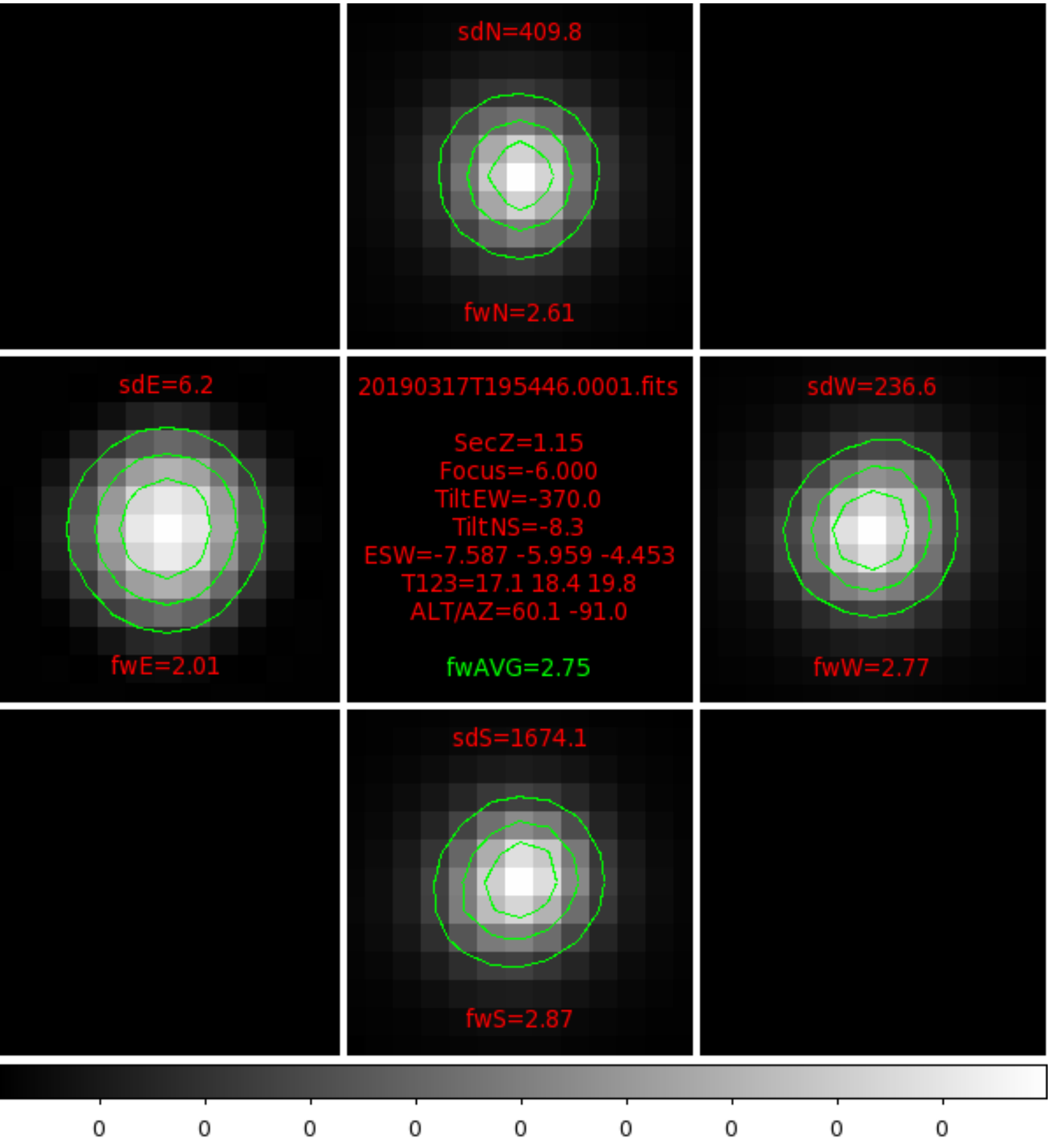
sdN=409.8
fwN=2.61
sdE=6.2
fwE=2.01
20190317T195446.0001.fits
SecZ=1.15
Focus=-6.000
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.587 -5.959 -4.453
T123=17.1 18.4 19.8
ALT/AZ=60.1 -91.0
fwAVG=2.75
sdW=236.6
fwW=2.77
sdS=1674.1
fwS=2.87
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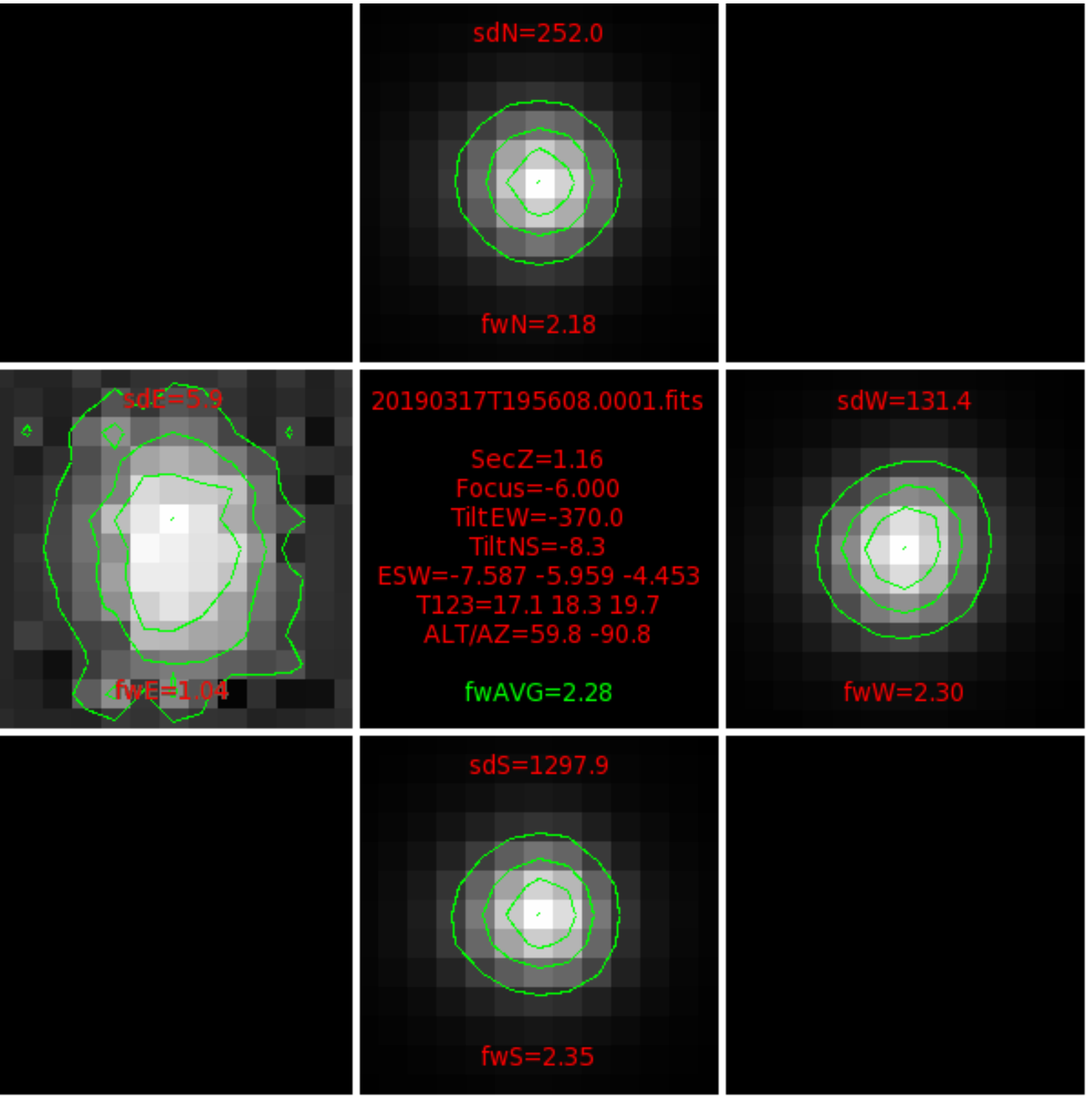
sdN=252.0
fwN=2.18
sdE=5.9
fwE=1.04
20190317T195608.0001.fits
SecZ=1.16
Focus=-6.000
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.587 -5.959 -4.453
T123=17.1 18.3 19.7
ALT/AZ=59.8 -90.8
fwAVG=2.28
sdW=131.4
fwW=2.30
sdS=1297.9
fwS=2.35
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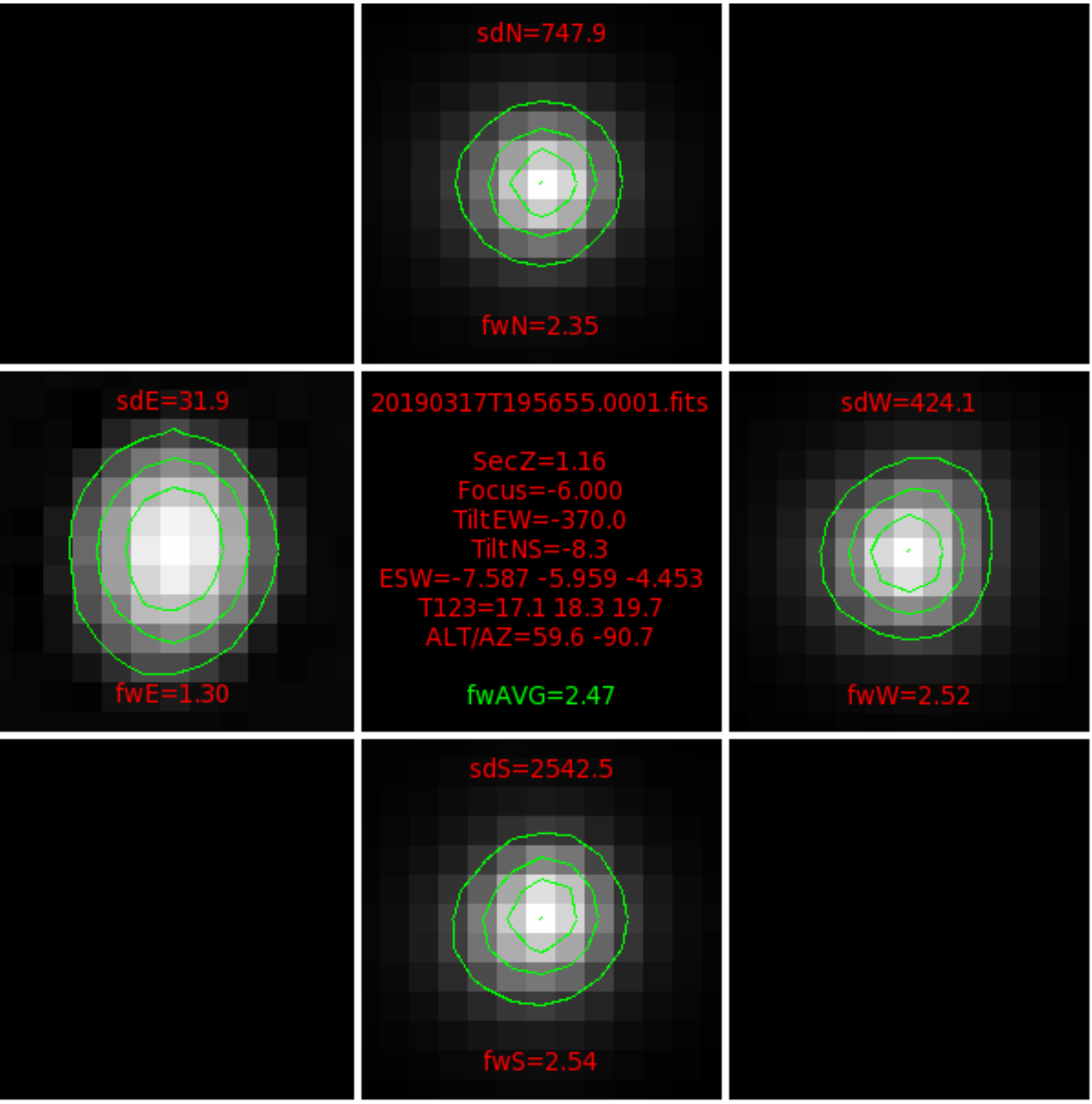
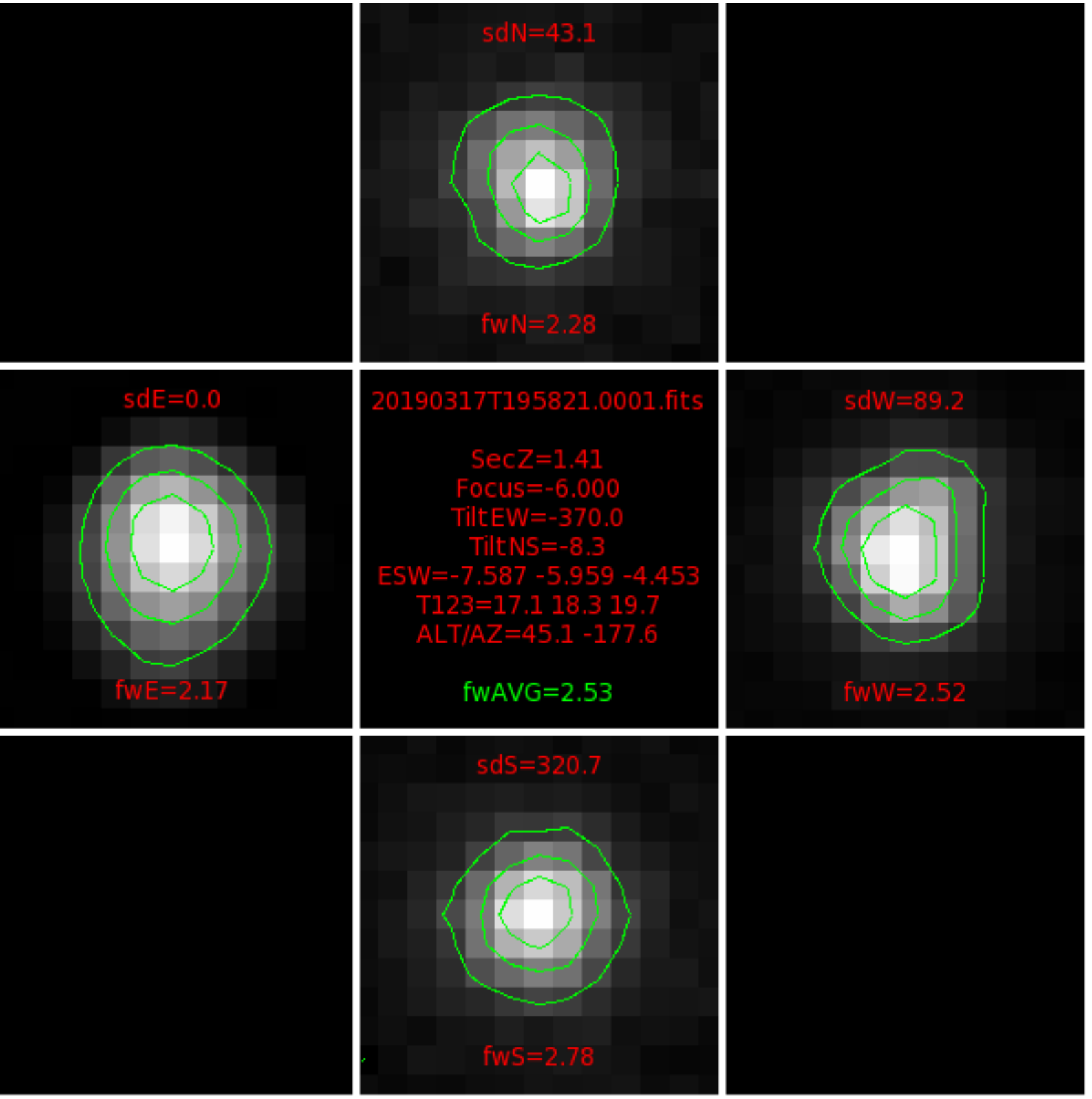

sdN=747.9
fwN=2.35
sdE=31.9
fwE=1.30
20190317T195655.0001.fits
SecZ=1.16
Focus=-6.000
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.587 -5.959 -4.453
T123=17.1 18.3 19.7
ALT/AZ=59.6 -90.7
fwAVG=2.47
sdW=424.1
fwW=2.52
sdS=2542.5
fwS=2.54
0 0 0 0 0 0 0 0 0


sdN=43.1
fwN=2.28
sdE=0.0
fwE=2.17
20190317T195821.0001.fits
SecZ=1.41
Focus=-6.000
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.587 -5.959 -4.453
T123=17.1 18.3 19.7
ALT/AZ=45.1 -177.6
fwAVG=2.53
sdW=89.2
fwW=2.52
sdS=320.7
fwS=2.78
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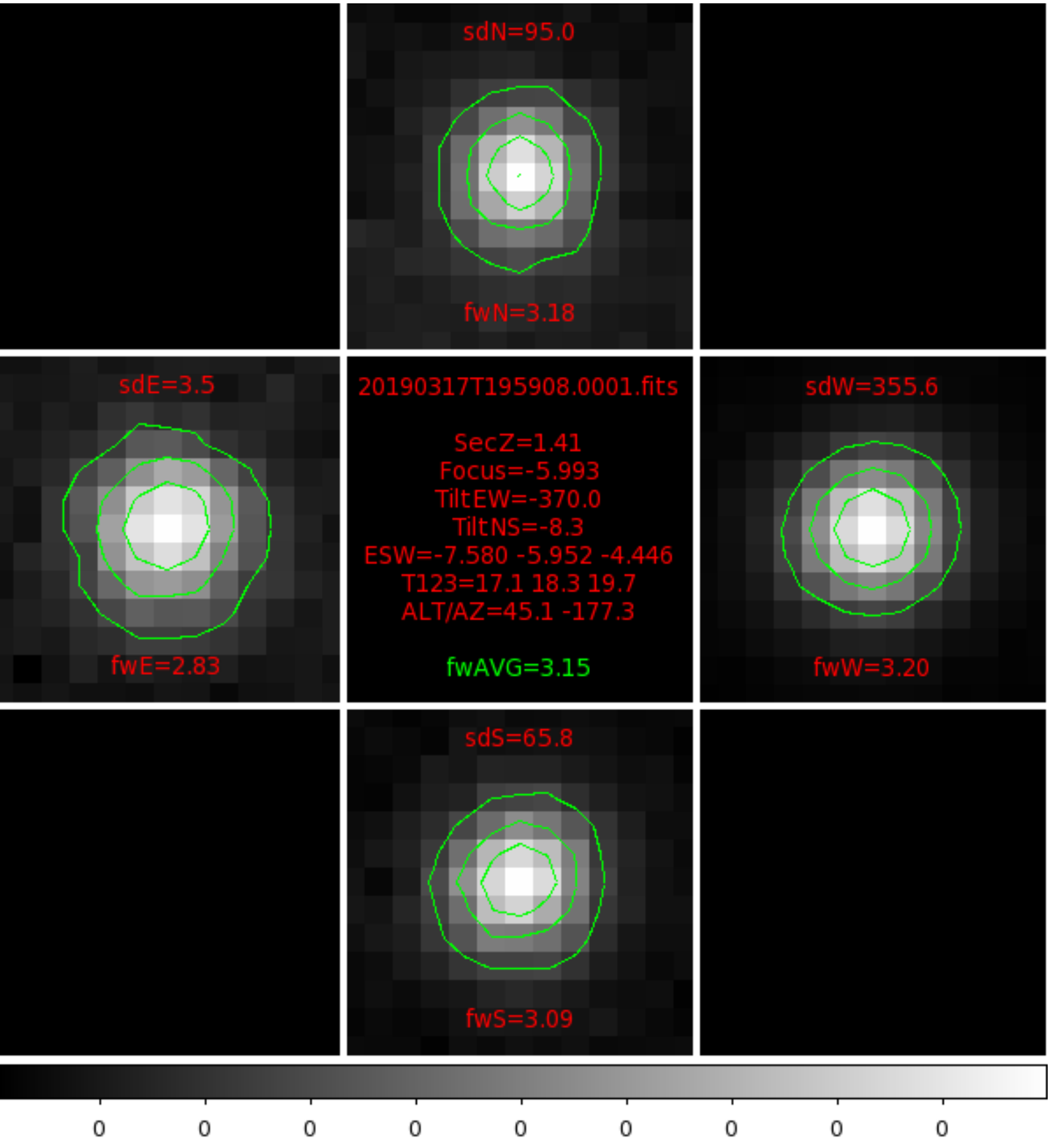
sdN=95.0
fwN=3.18
sdE=3.5
fwE=2.83
20190317T195908.0001.fits
SecZ=1.41
Focus=-5.993
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.580 -5.952 -4.446
T123=17.1 18.3 19.7
ALT/AZ=45.1 -177.3
fwAVG=3.15
sdW=355.6
fwW=3.20
sdS=65.8
fwS=3.09
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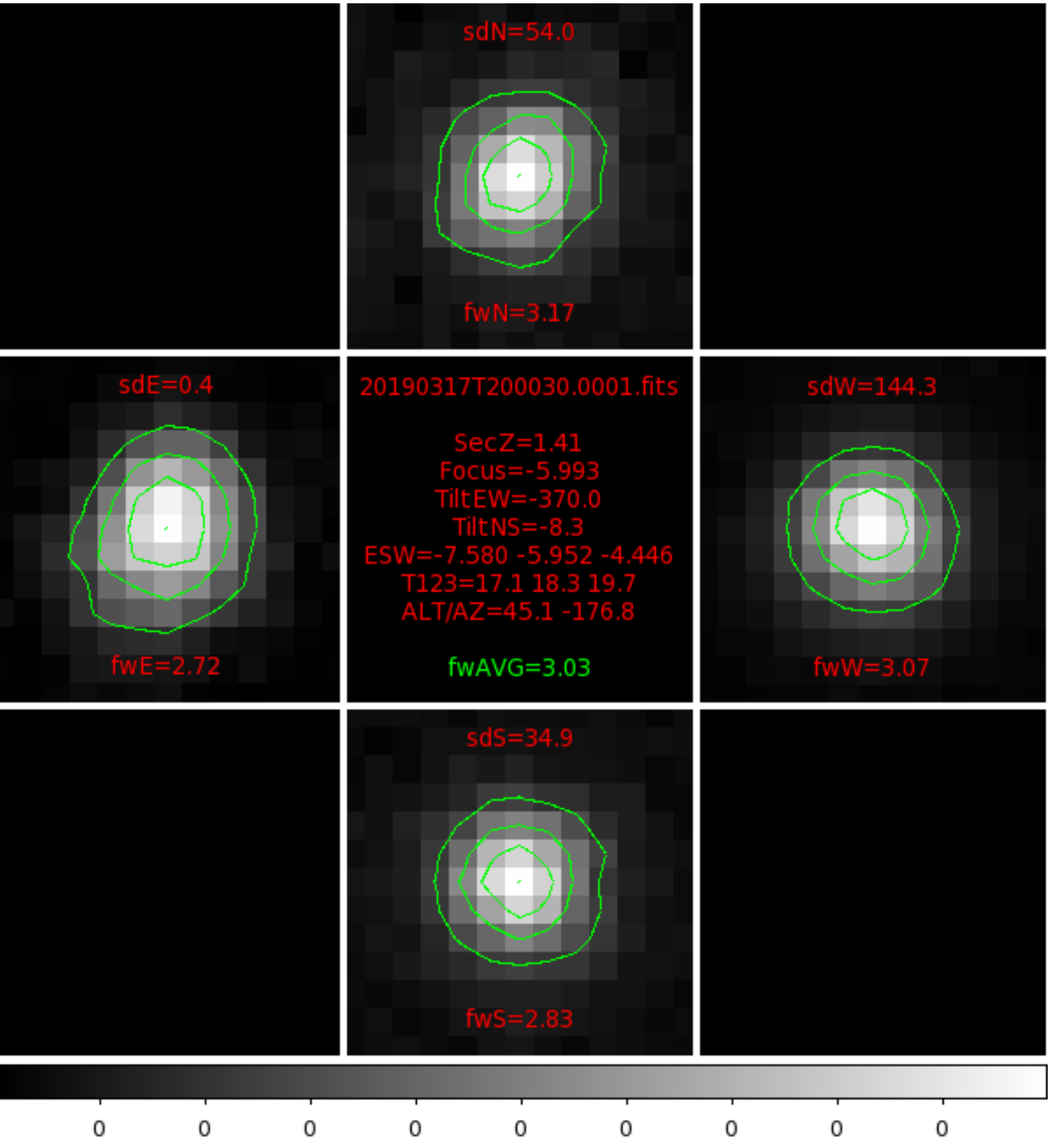
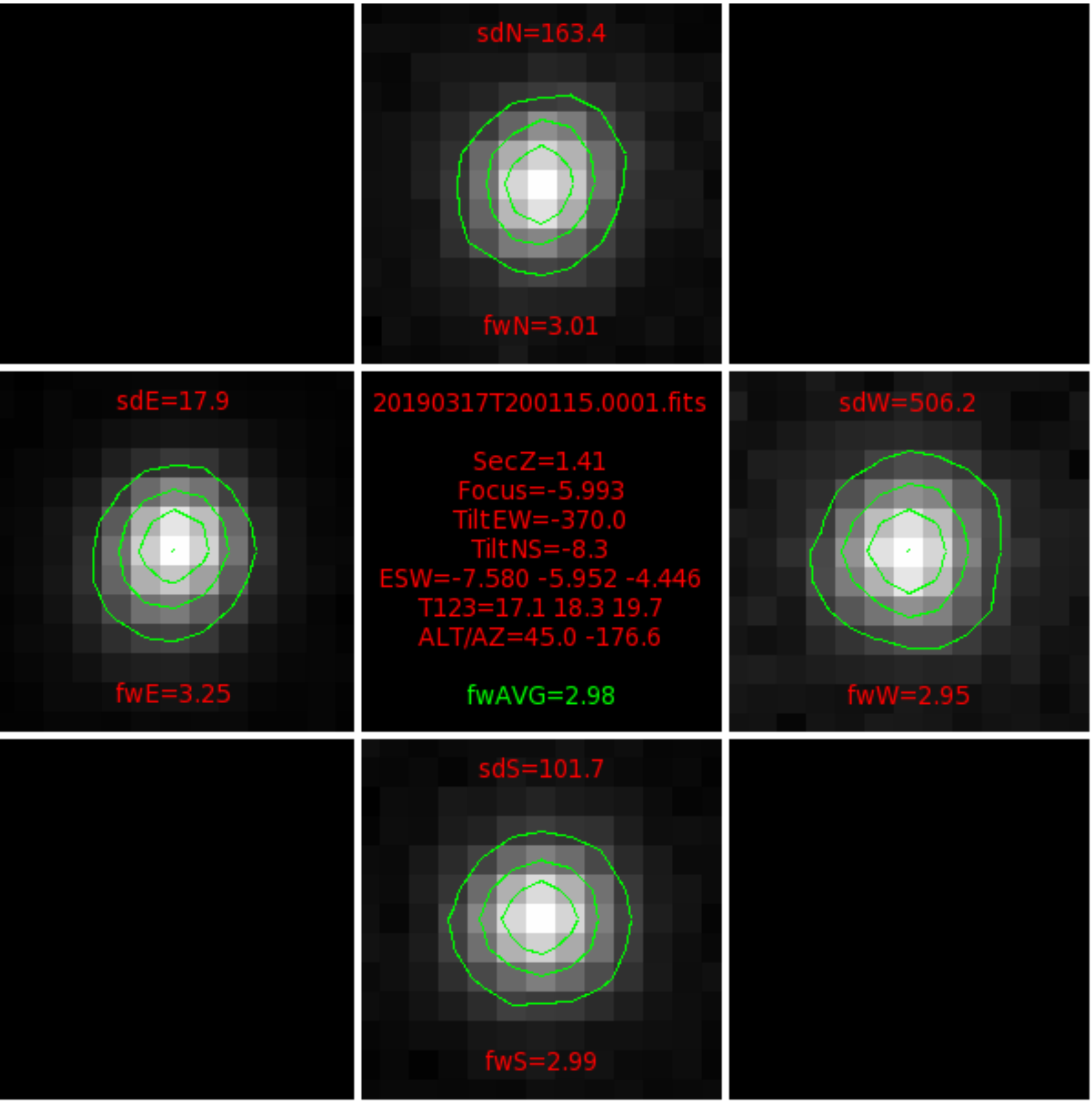

sdN=54.0
fwN=3.17
sdE=0.4
fwE=2.72
20190317T200030.0001.fits
SecZ=1.41
Focus=-5.993
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.580 -5.952 -4.446
T123=17.1 18.3 19.7
ALT/AZ=45.1 -176.8
fwAVG=3.03
sdW=144.3
fwW=3.07
sdS=34.9
fwS=2.83
0 0 0 0 0 0 0 0 0


sdN=163.4
fwN=3.01
sdE=17.9
fwE=3.25
20190317T200115.0001.fits
SecZ=1.41
Focus=-5.993
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.580 -5.952 -4.446
T123=17.1 18.3 19.7
ALT/AZ=45.0 -176.6
fwAVG=2.98
sdW=506.2
fwW=2.95
sdS=101.7
fwS=2.99
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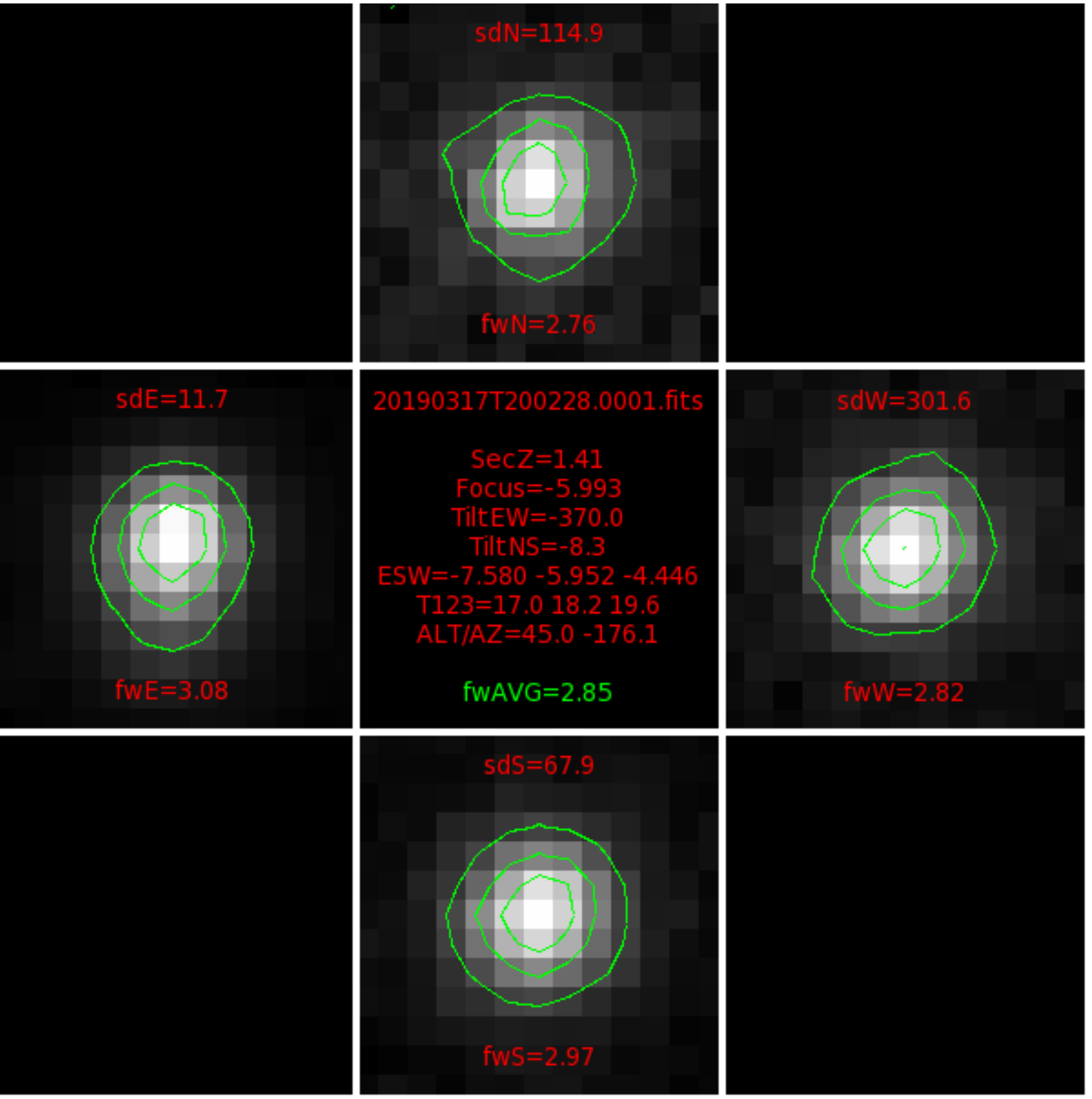
sdN=114.9
fwN=2.76
sdE=11.7
fwE=3.08
20190317T200228.0001.fits
SecZ=1.41
Focus=-5.993
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.580 -5.952 -4.446
T123=17.0 18.2 19.6
ALT/AZ=45.0 -176.1
fwAVG=2.85
sdW=301.6
fwW=2.82
sdS=67.9
fwS=2.97
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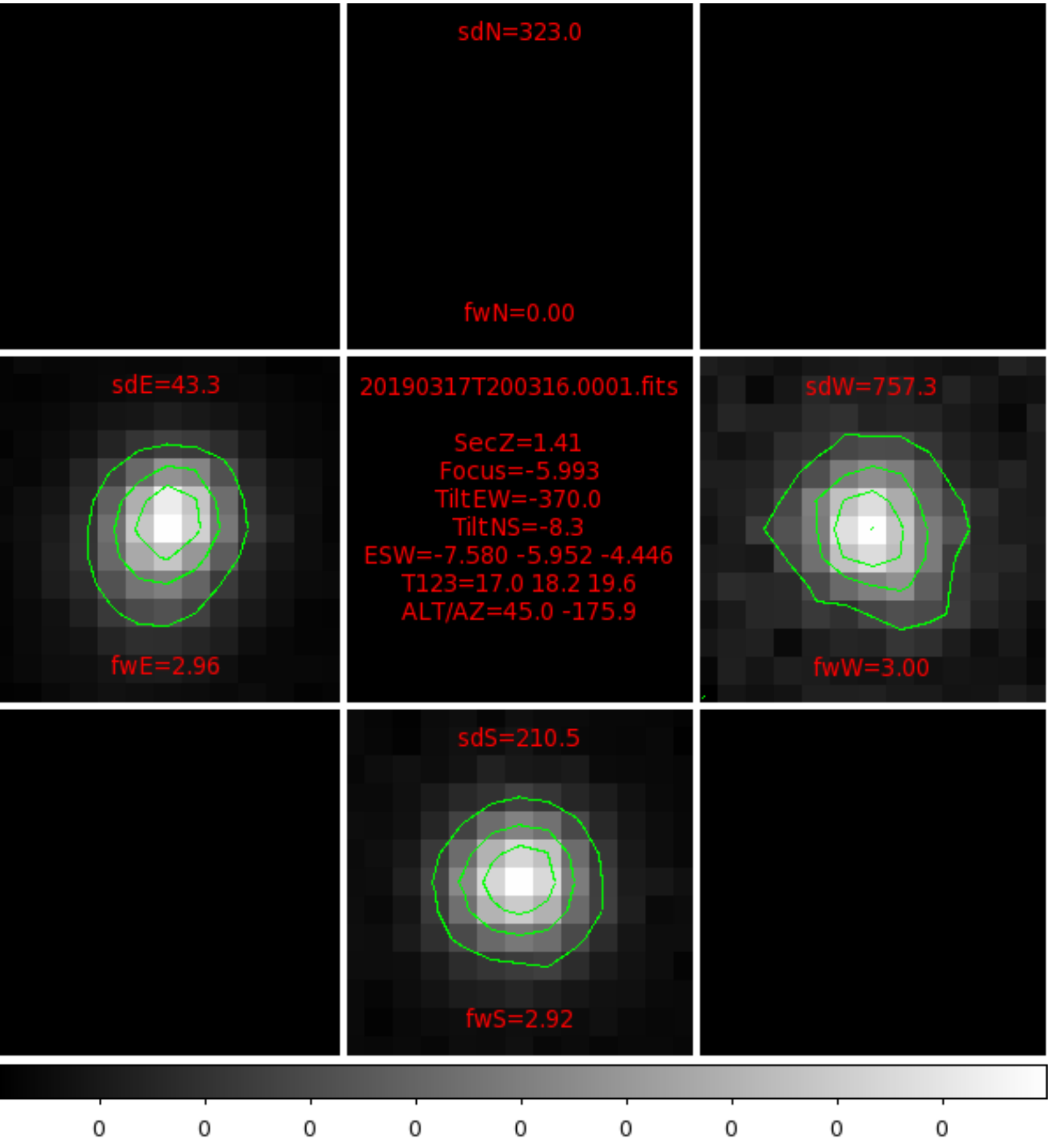
sdN=323.0
fwN=0.00
sdE=43.3
fwE=2.96
20190317T200316.0001.fits
SecZ=1.41
Focus=-5.993
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.580 -5.952 -4.446
T123=17.0 18.2 19.6
ALT/AZ=45.0 -175.9
sdW=757.3
fwW=3.00
sdS=210.5
fwS=2.92
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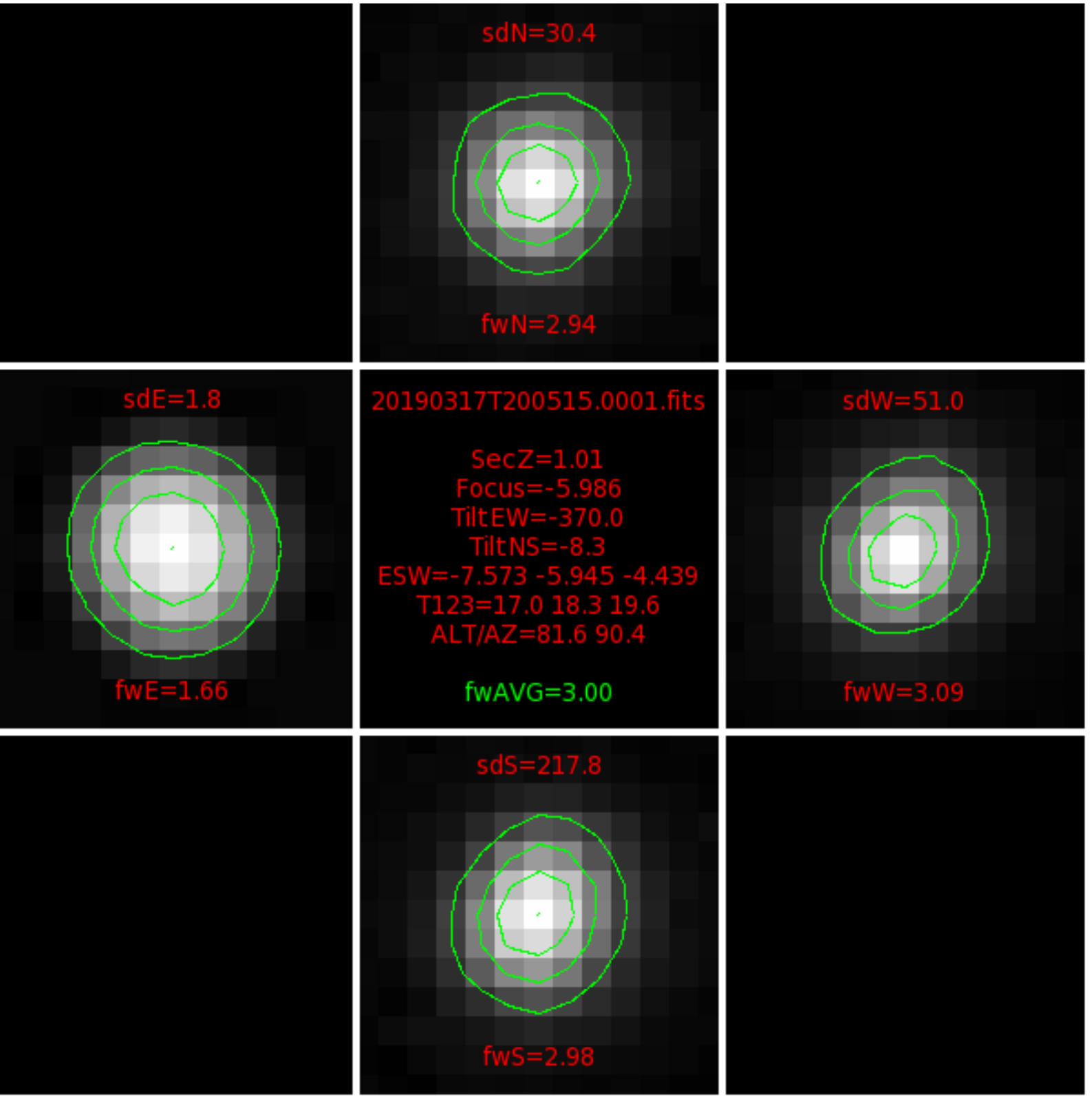
sdN=30.4
fwN=2.94
sdE=1.8
fwE=1.66
20190317T200515.0001.fits
SecZ=1.01
Focus=-5.986
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.573 -5.945 -4.439
T123=17.0 18.3 19.6
ALT/AZ=81.6 90.4
fwAVG=3.00
sdW=51.0
fwW=3.09
sdS=217.8
fwS=2.98
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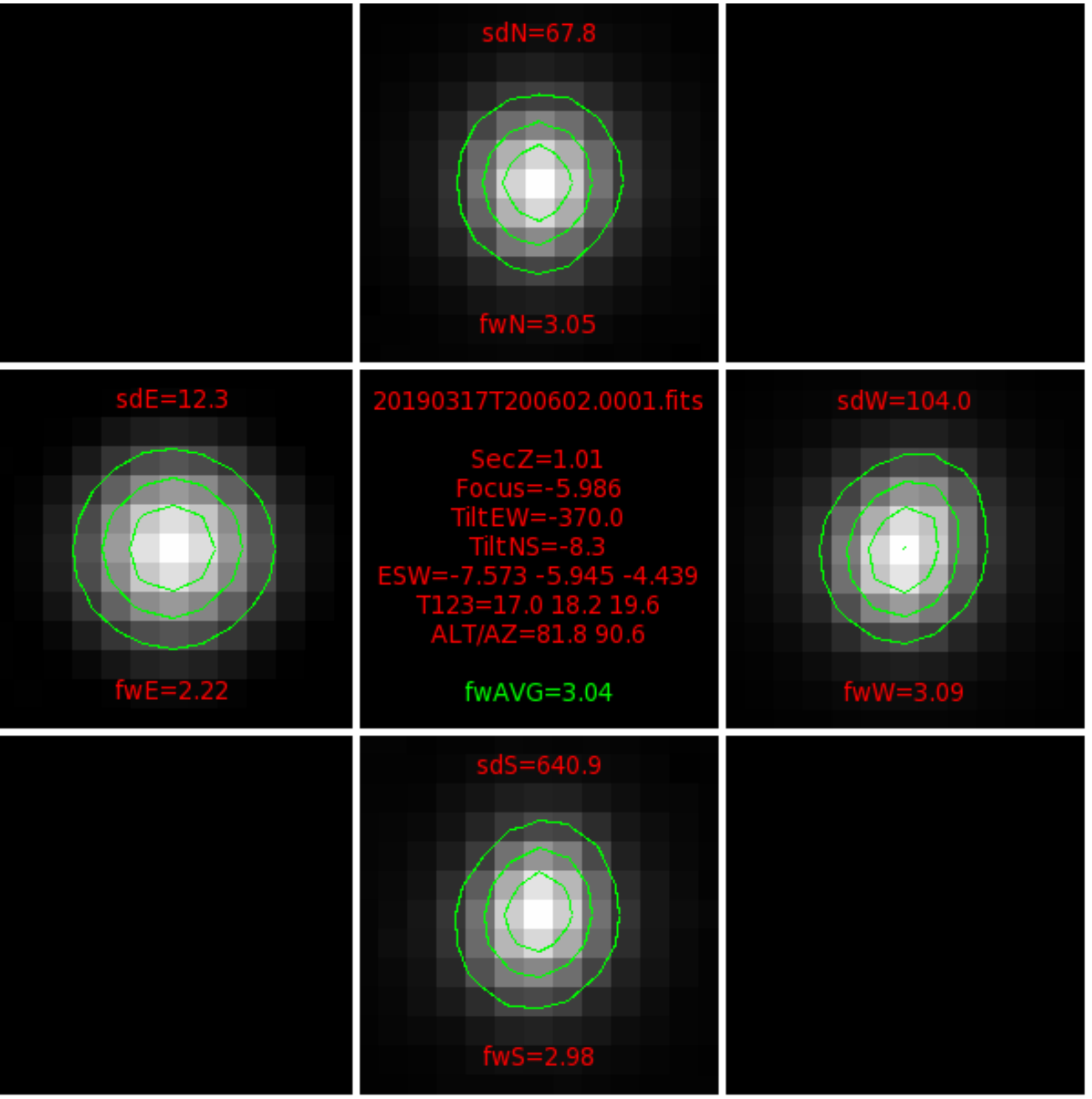
sdN=67.8
fwN=3.05
sdE=12.3
fwE=2.22
20190317T200602.0001.fits
SecZ=1.01
Focus=-5.986
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.573 -5.945 -4.439
T123=17.0 18.2 19.6
ALT/AZ=81.8 90.6
fwAVG=3.04
sdW=104.0
fwW=3.09
sdS=640.9
fwS=2.98
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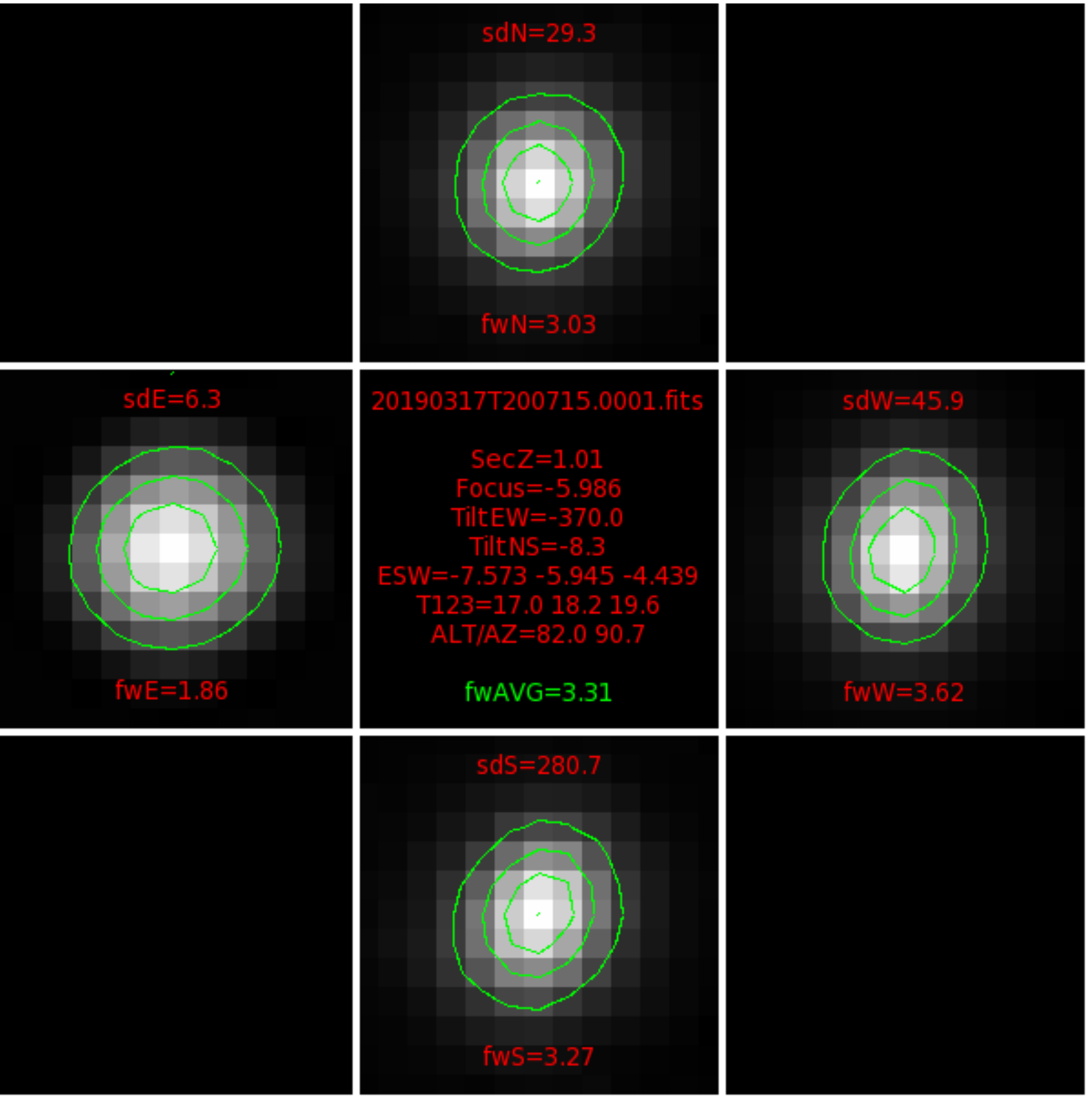
sdN=29.3
fwN=3.03
sdE=6.3
fwE=1.86
20190317T200715.0001.fits
SecZ=1.01
Focus=-5.986
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.573 -5.945 -4.439
T123=17.0 18.2 19.6
ALT/AZ=82.0 90.7
fwAVG=3.31
sdW=45.9
fwW=3.62
sdS=280.7
fwS=3.27
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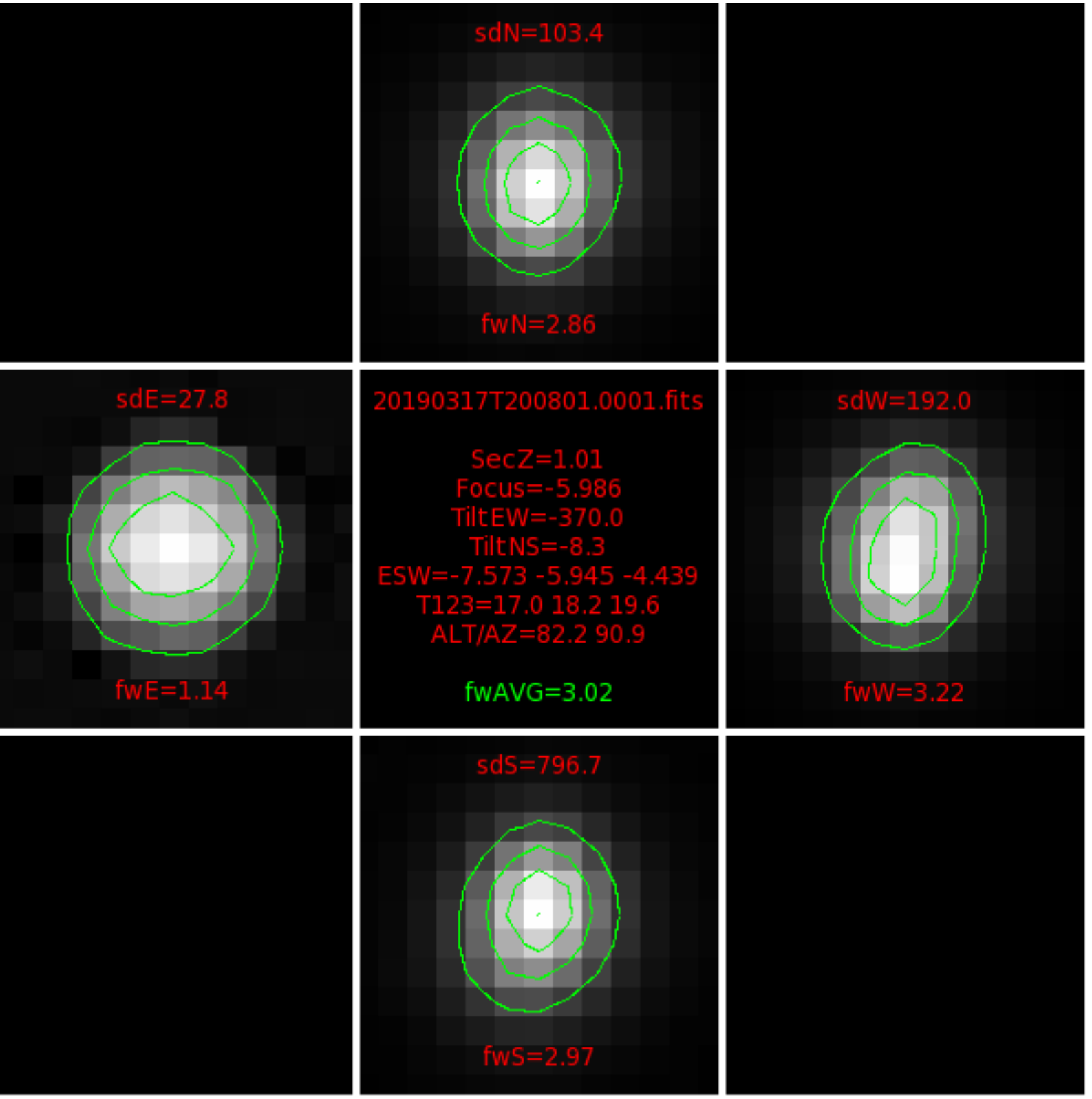
sdN=103.4
fwN=2.86
sdE=27.8
fwE=1.14
20190317T200801.0001.fits
SecZ=1.01
Focus=-5.986
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.573 -5.945 -4.439
T123=17.0 18.2 19.6
ALT/AZ=82.2 90.9
fwAVG=3.02
sdW=192.0
fwW=3.22
sdS=796.7
fwS=2.97
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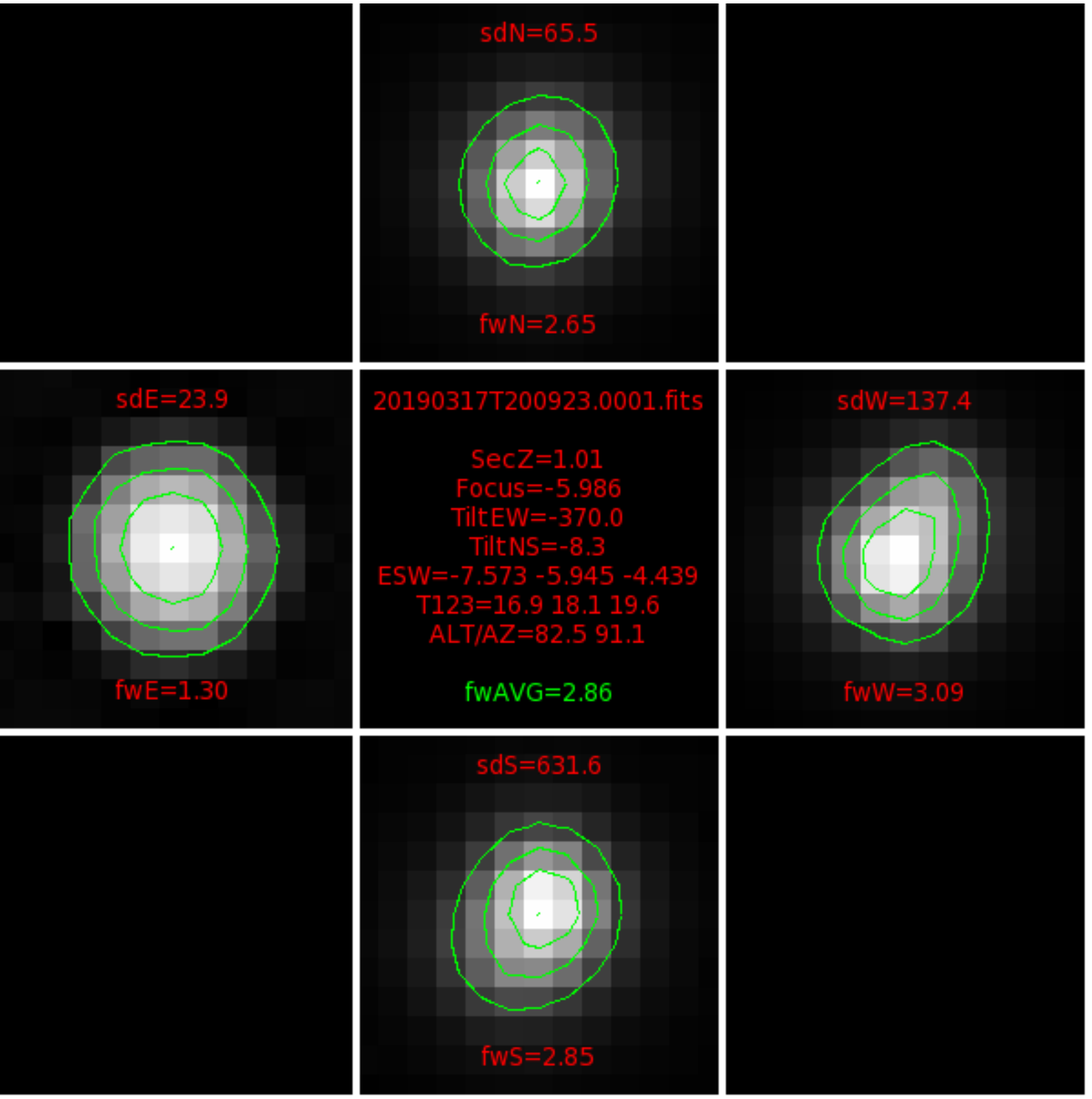
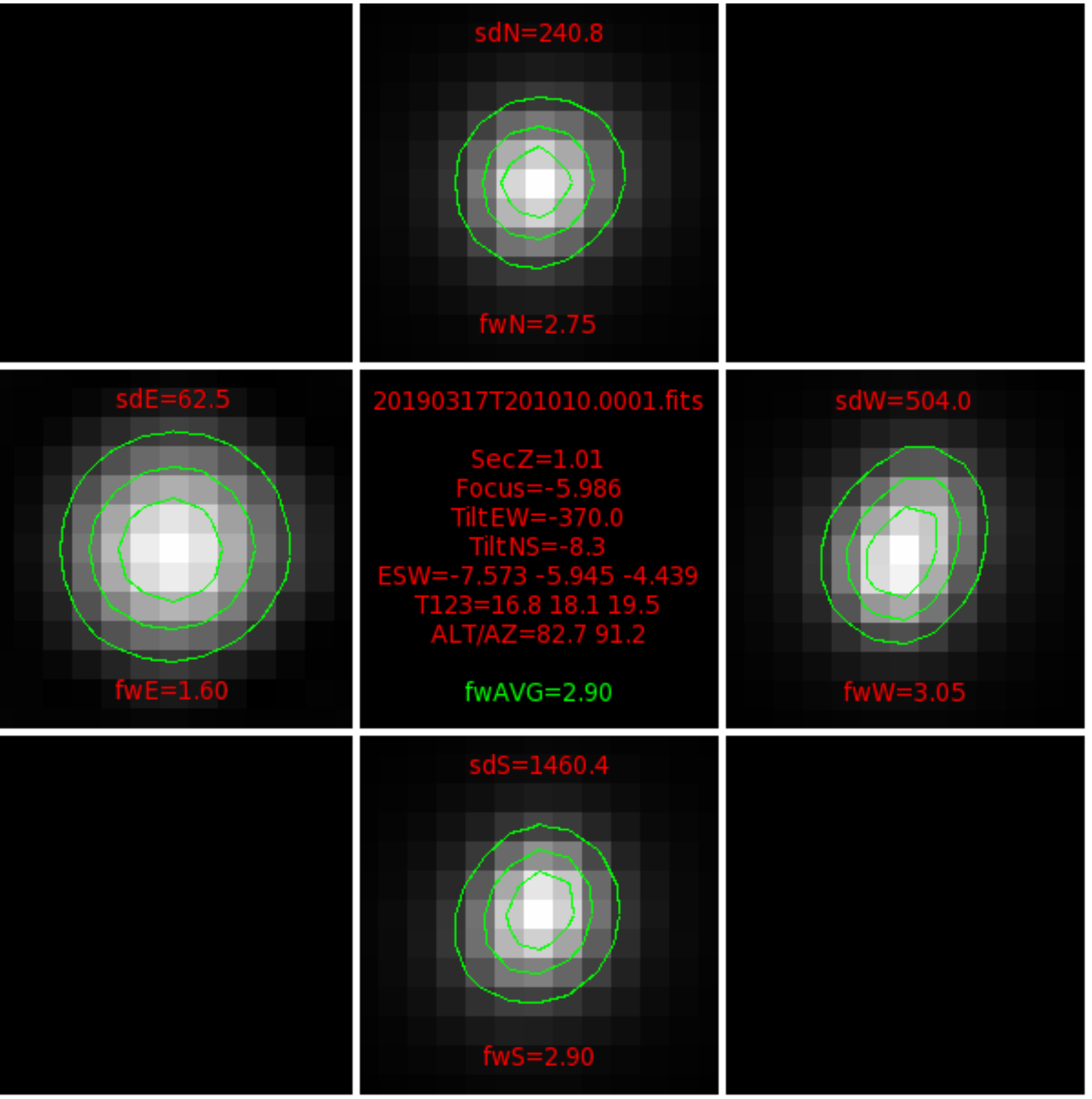
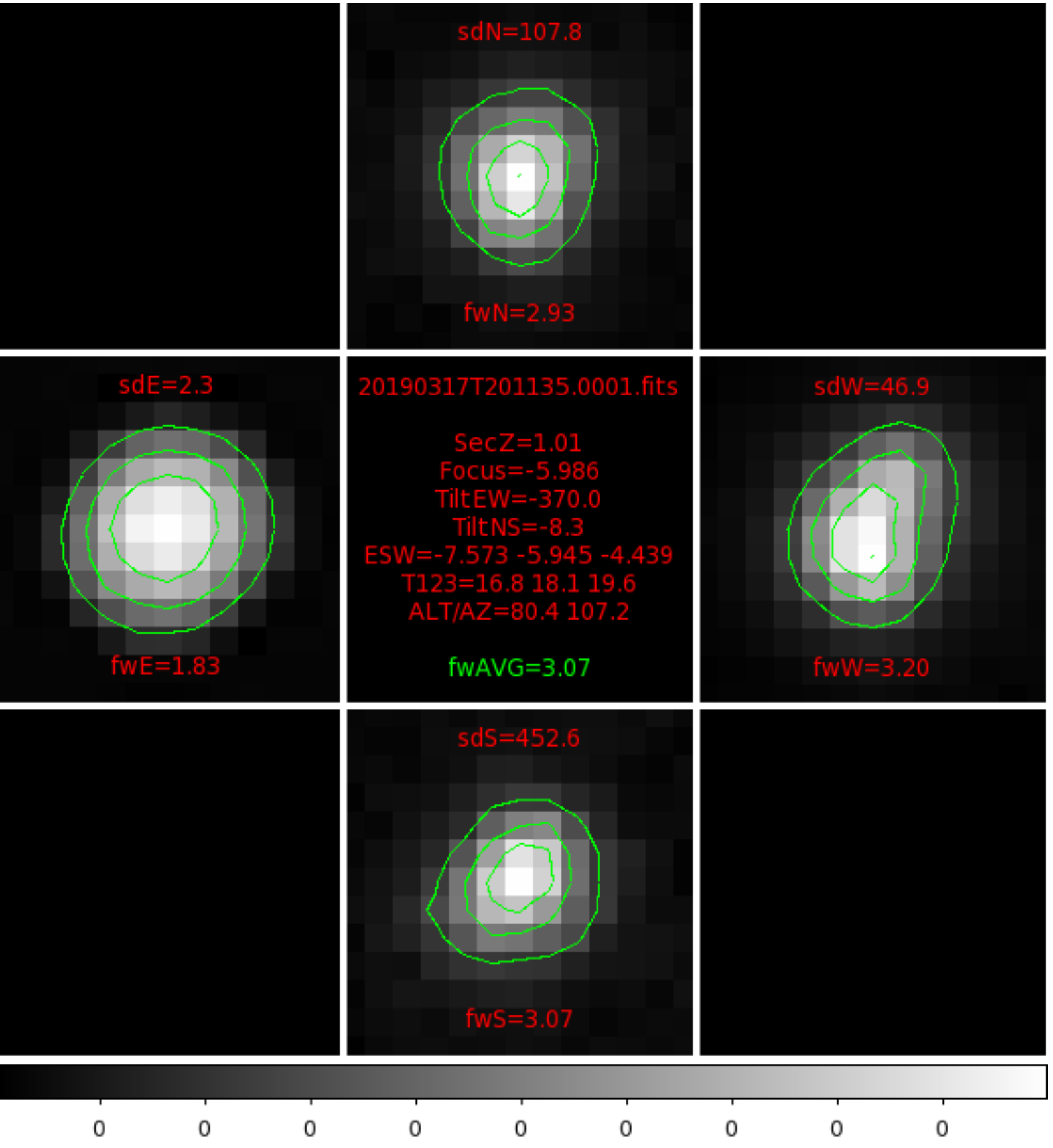
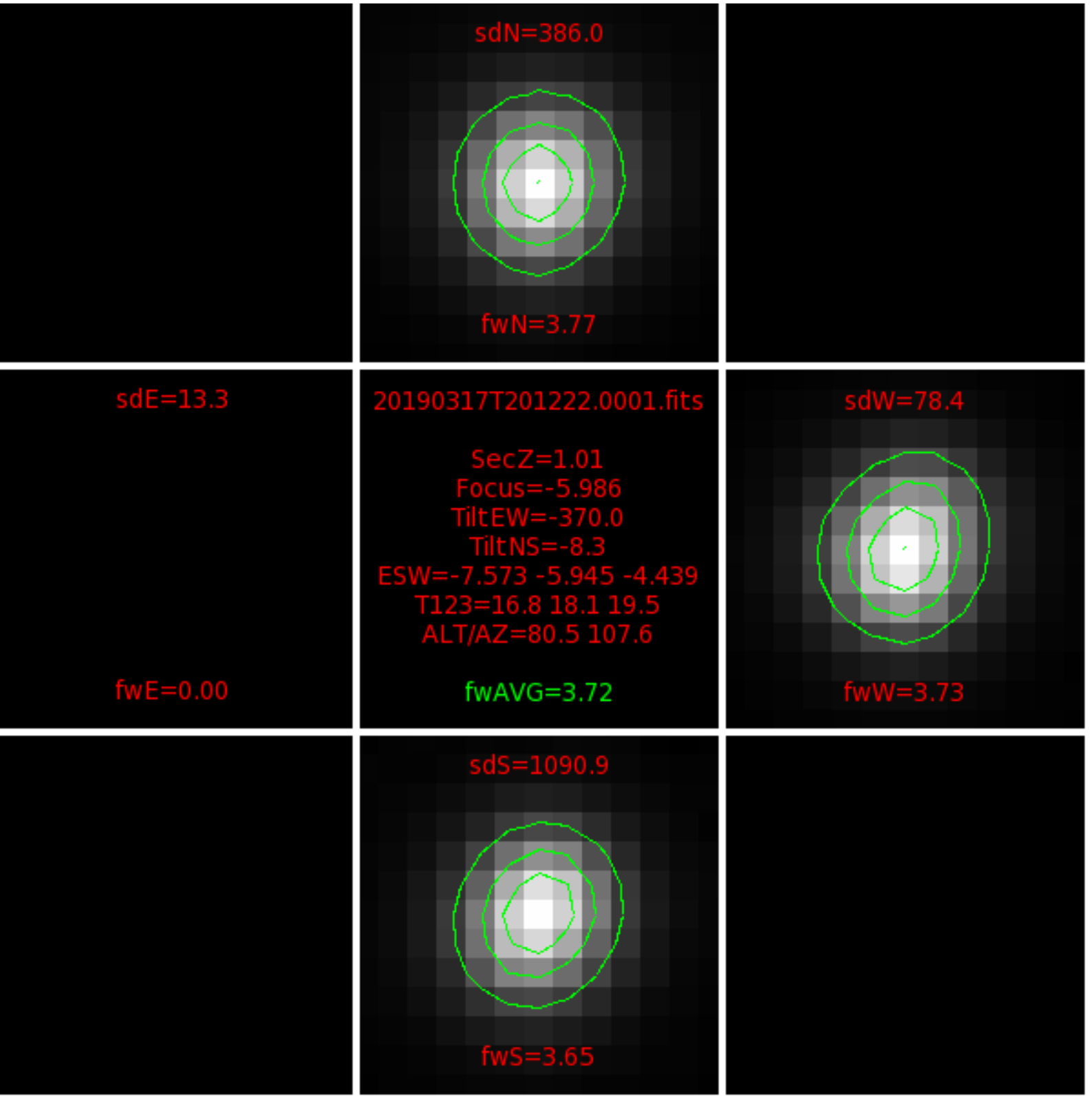
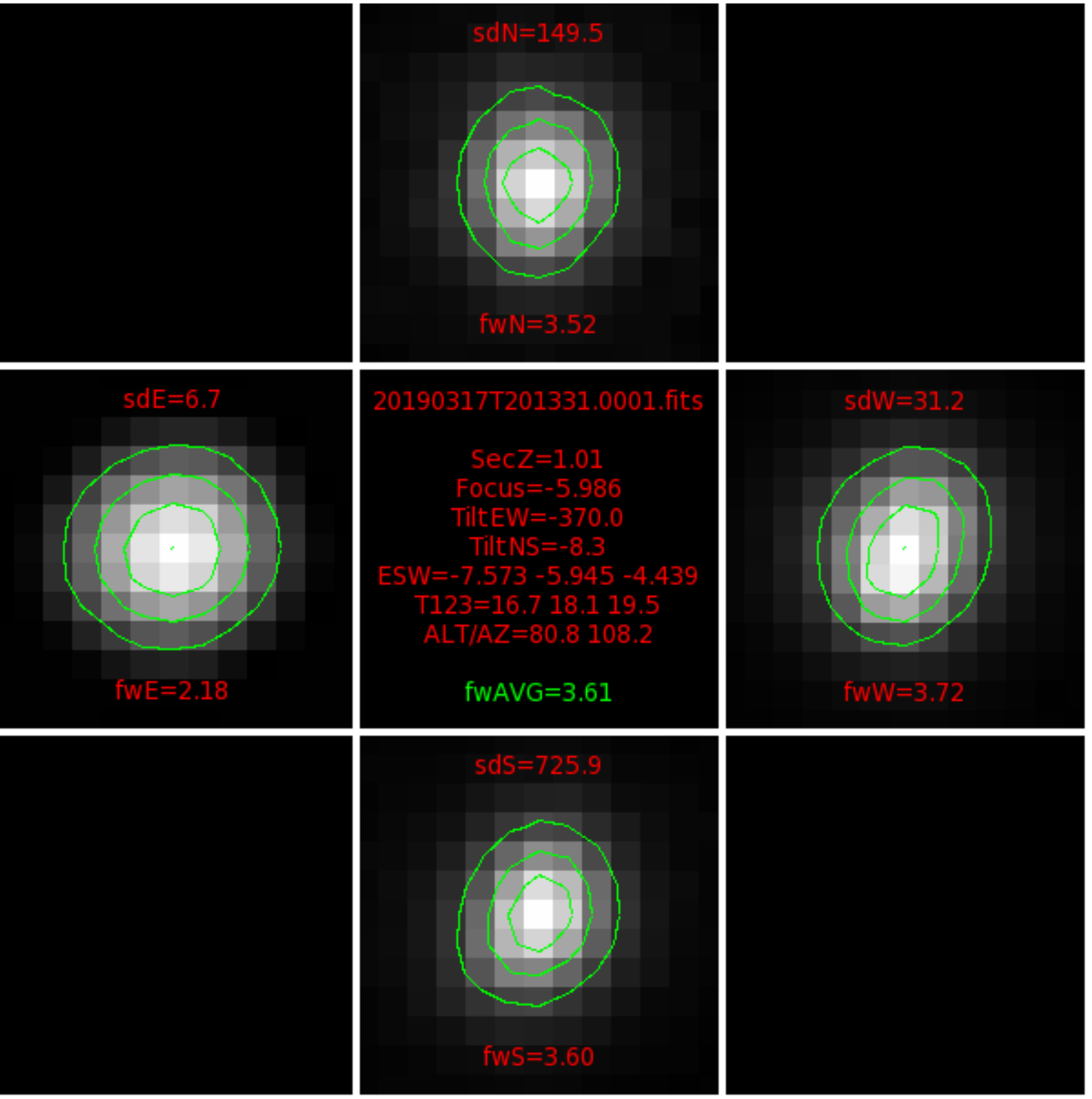

sdN=65.5
fwN=2.65
sdE=23.9
fwE=1.30
20190317T200923.0001.fits
SecZ=1.01
Focus=-5.986
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.573 -5.945 -4.439
T123=16.9 18.1 19.6
ALT/AZ=82.5 91.1
fwAVG=2.86
sdW=137.4
fwW=3.09
sdS=631.6
fwS=2.85
0 0 0 0 0 0 0 0 0


sdN=240.8
fwN=2.75
sdE=62.5
fwE=1.60
20190317T201010.0001.fits
SecZ=1.01
Focus=-5.986
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.573 -5.945 -4.439
T123=16.8 18.1 19.5
ALT/AZ=82.7 91.2
fwAVG=2.90
sdW=504.0
fwW=3.05
sdS=1460.4
fwS=2.90
0 0 0 0 0 0 0 0 0


sdN=107.8
fwN=2.93
sdE=2.3
fwE=1.83
20190317T201135.0001.fits
SecZ=1.01
Focus=-5.986
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.573 -5.945 -4.439
T123=16.8 18.1 19.6
ALT/AZ=80.4 107.2
fwAVG=3.07
sdW=46.9
fwW=3.20
sdS=452.6
fwS=3.07
0 0 0 0 0 0 0 0 0


sdN=386.0
fwN=3.77
sdE=13.3
fwE=0.00
20190317T201222.0001.fits
SecZ=1.01
Focus=-5.986
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.573 -5.945 -4.439
T123=16.8 18.1 19.5
ALT/AZ=80.5 107.6
fwAVG=3.72
sdW=78.4
fwW=3.73
sdS=1090.9
fwS=3.65
0 0 0 0 0 0 0 0 0


sdN=149.5
fwN=3.52
sdE=6.7
fwE=2.18
20190317T201331.0001.fits
SecZ=1.01
Focus=-5.986
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.573 -5.945 -4.439
T123=16.7 18.1 19.5
ALT/AZ=80.8 108.2
fwAVG=3.61
sdW=31.2
fwW=3.72
sdS=725.9
fwS=3.60
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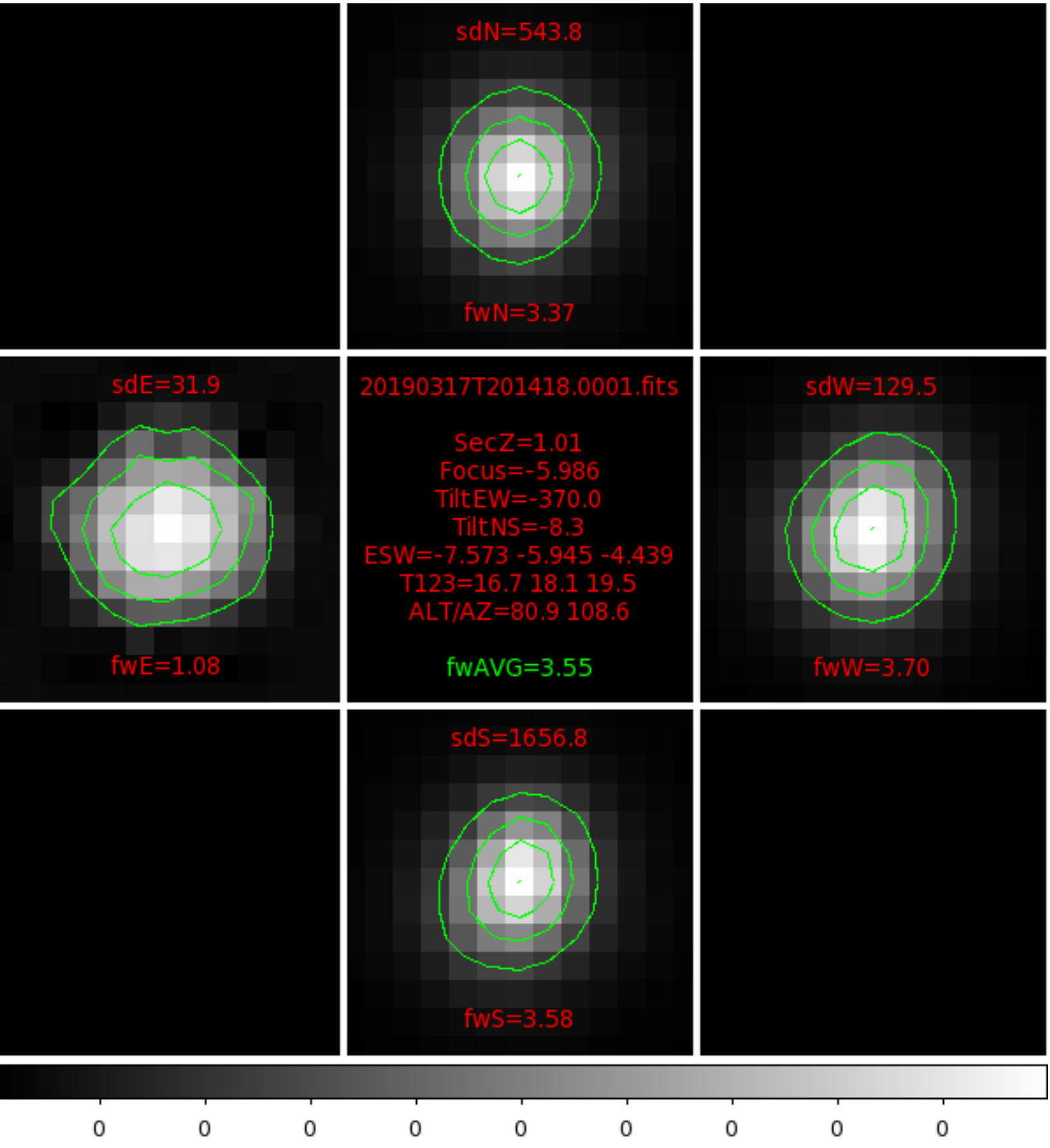
sdN=543.8
fwN=3.37
sdE=31.9
fwE=1.08
20190317T201418.0001.fits
SecZ=1.01
Focus=-5.986
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.573 -5.945 -4.439
T123=16.7 18.1 19.5
ALT/AZ=80.9 108.6
fwAVG=3.55
sdW=129.5
fwW=3.70
sdS=1656.8
fwS=3.58
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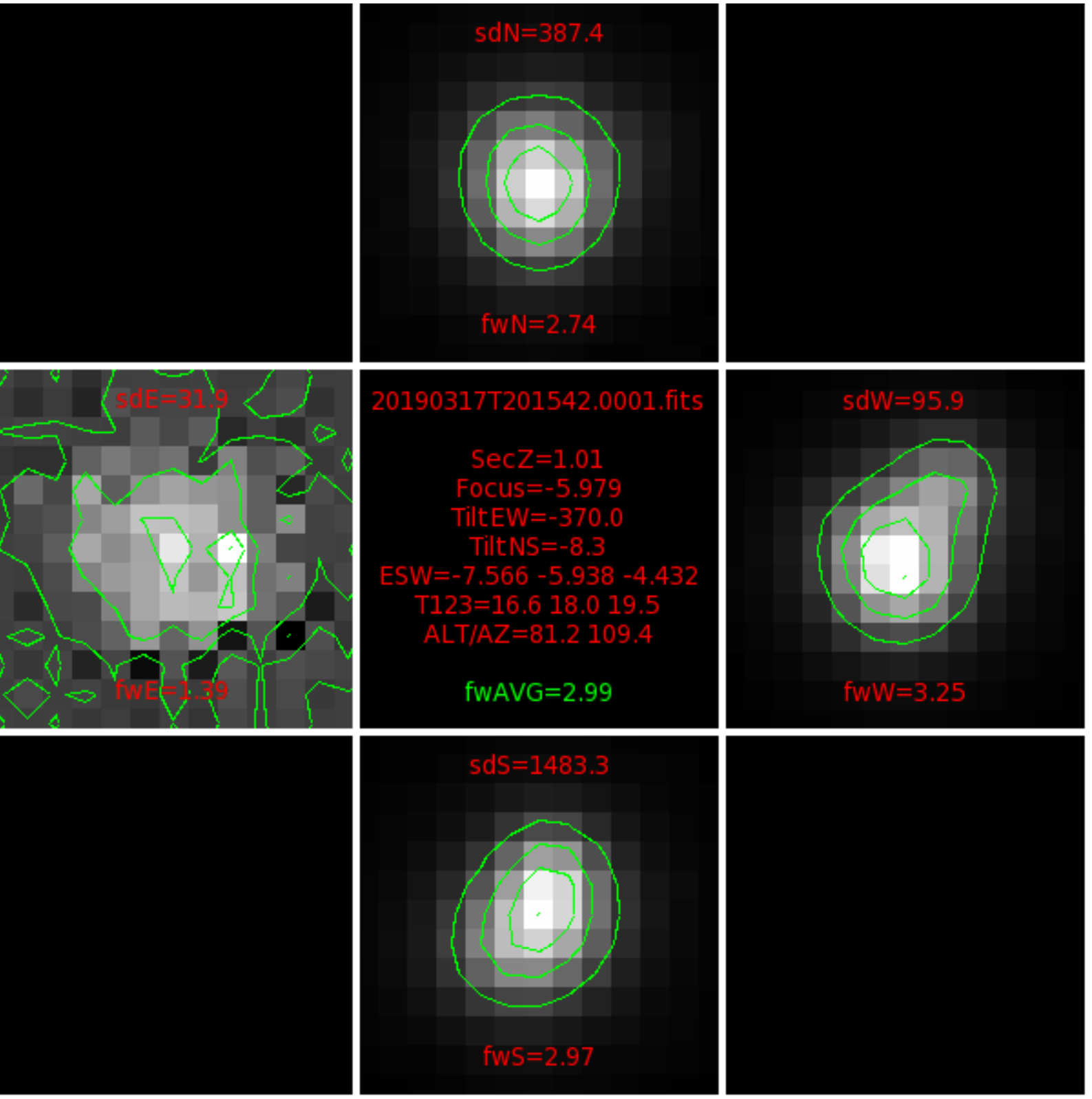
sdN=387.4
fwN=2.74
sdE=31.9
fwE=1.39
20190317T201542.0001.fits
SecZ=1.01
Focus=-5.979
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.566 -5.938 -4.432
T123=16.6 18.0 19.5
ALT/AZ=81.2 109.4
fwAVG=2.99
sdW=95.9
fwW=3.25
sdS=1483.3
fwS=2.97
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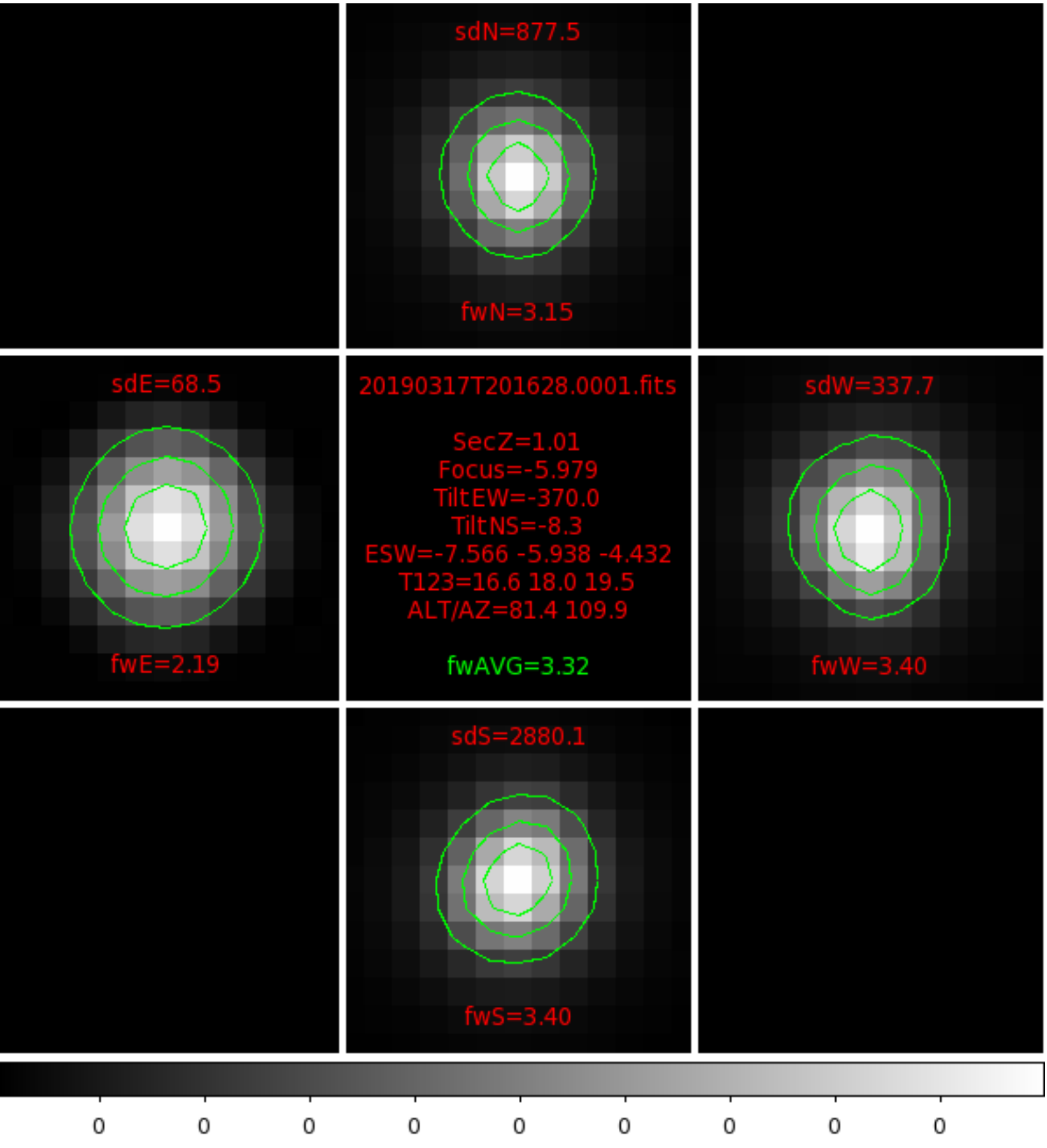
sdN=877.5
fwN=3.15
sdE=68.5
fwE=2.19
20190317T201628.0001.fits
SecZ=1.01
Focus=-5.979
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.566 -5.938 -4.432
T123=16.6 18.0 19.5
ALT/AZ=81.4 109.9
fwAVG=3.32
sdW=337.7
fwW=3.40
sdS=2880.1
fwS=3.40
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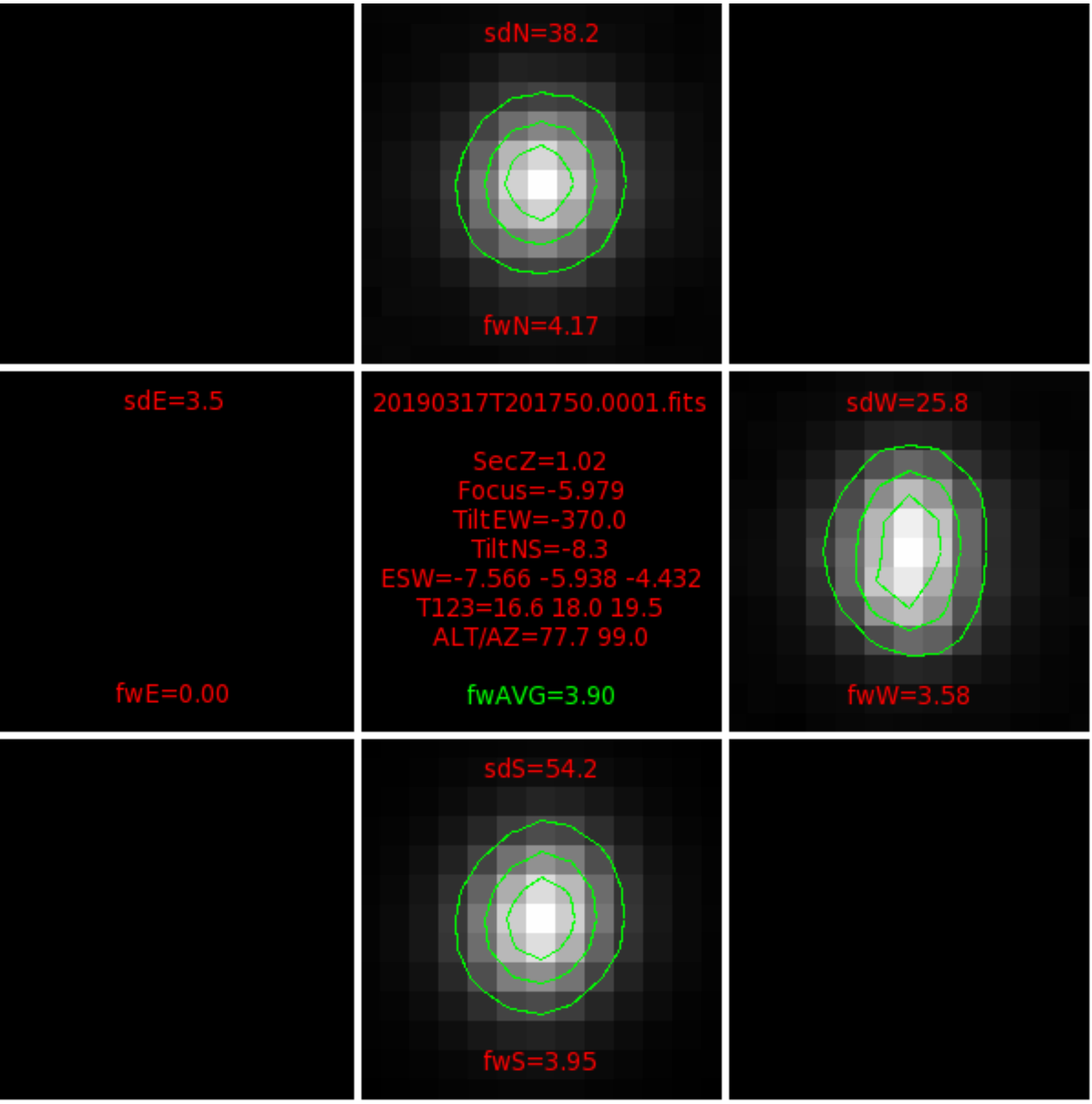
sdN=38.2
fwN=4.17
sdE=3.5
fwE=0.00
20190317T201750.0001.fits
SecZ=1.02
Focus=-5.979
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.566 -5.938 -4.432
T123=16.6 18.0 19.5
ALT/AZ=77.7 99.0
fwAVG=3.90
sdW=25.8
fwW=3.58
sdS=54.2
fwS=3.95
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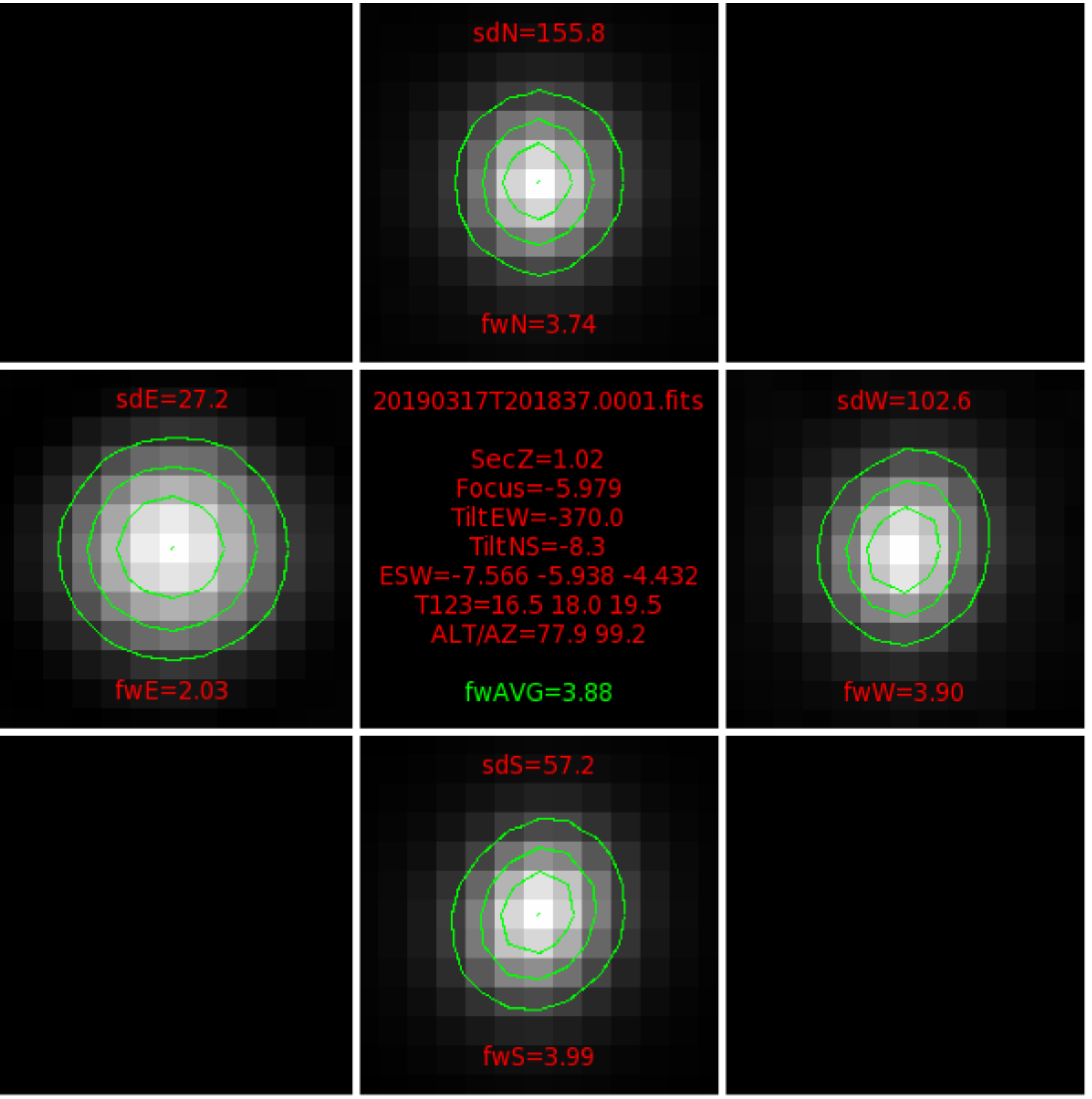
sdN=155.8
fwN=3.74
sdE=27.2
fwE=2.03
20190317T201837.0001.fits
SecZ=1.02
Focus=-5.979
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.566 -5.938 -4.432
T123=16.5 18.0 19.5
ALT/AZ=77.9 99.2
fwAVG=3.88
sdW=102.6
fwW=3.90
sdS=57.2
fwS=3.99
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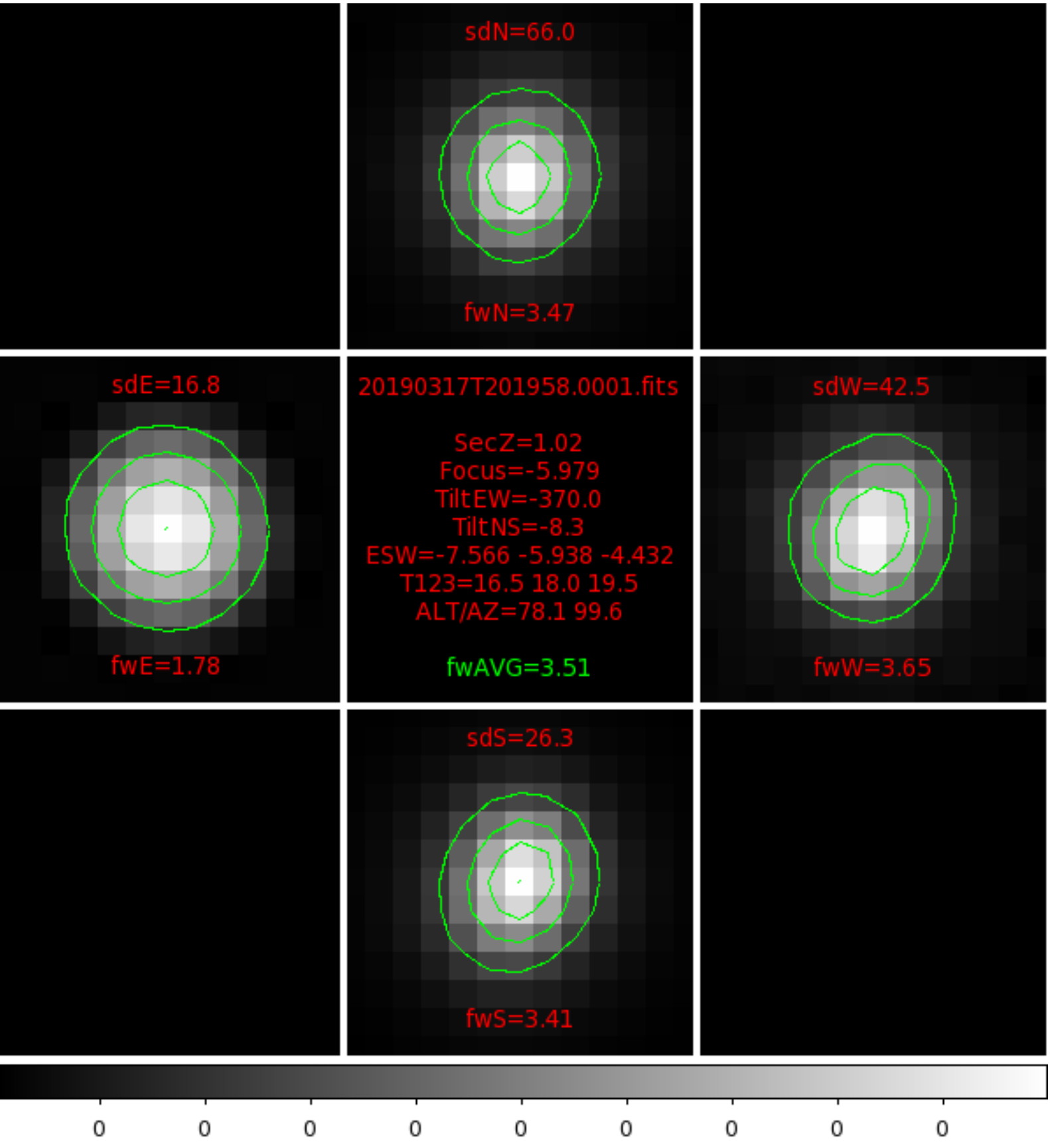
sdN=66.0
fwN=3.47
sdE=16.8
fwE=1.78
20190317T201958.0001.fits
SecZ=1.02
Focus=-5.979
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.566 -5.938 -4.432
T123=16.5 18.0 19.5
ALT/AZ=78.1 99.6
fwAVG=3.51
sdW=42.5
fwW=3.65
sdS=26.3
fwS=3.41
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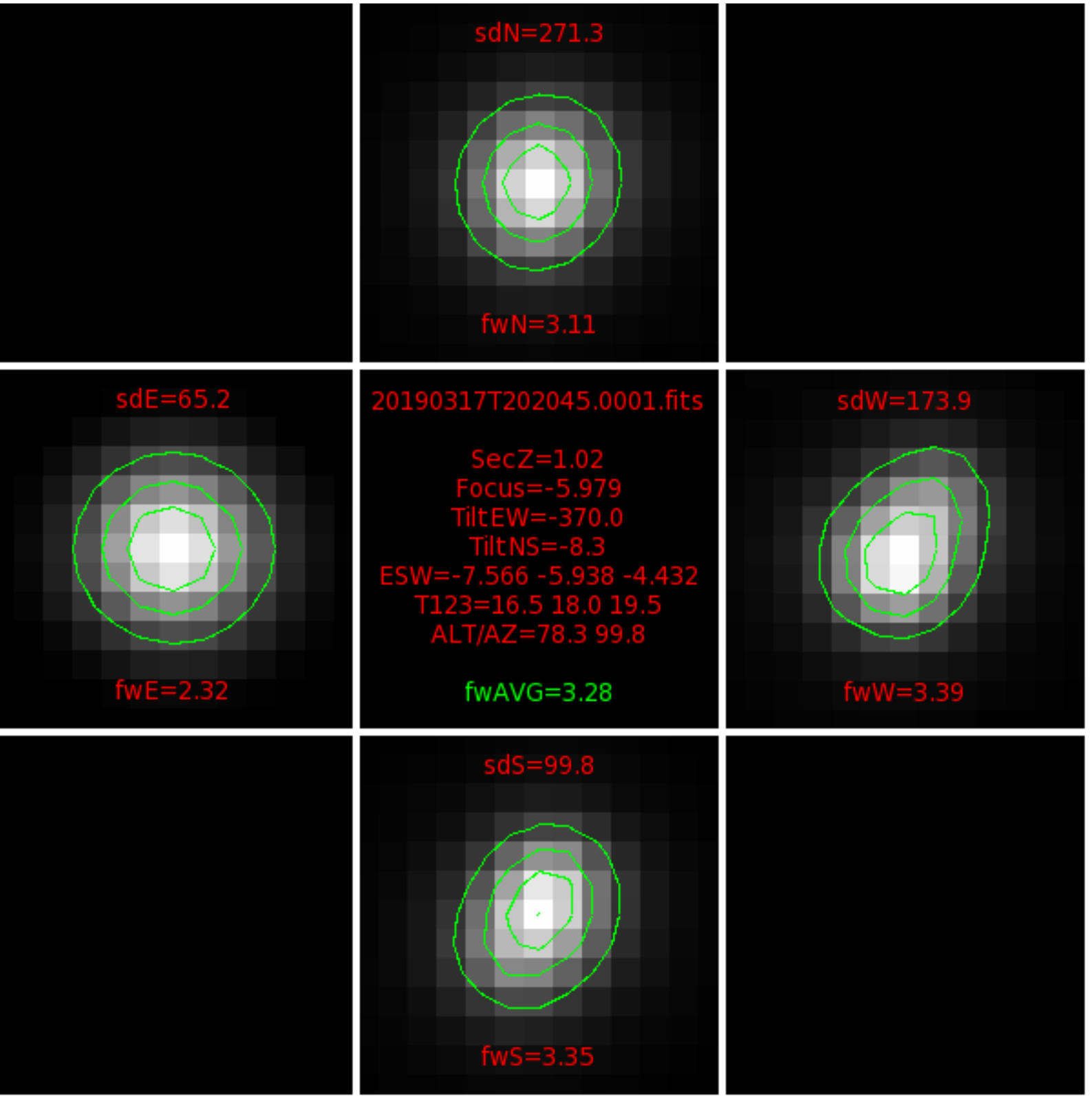
sdN=271.3
fwN=3.11
sdE=65.2
fwE=2.32
20190317T202045.0001.fits
SecZ=1.02
Focus=-5.979
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.566 -5.938 -4.432
T123=16.5 18.0 19.5
ALT/AZ=78.3 99.8
fwAVG=3.28
sdW=173.9
fwW=3.39
sdS=99.8
fwS=3.35
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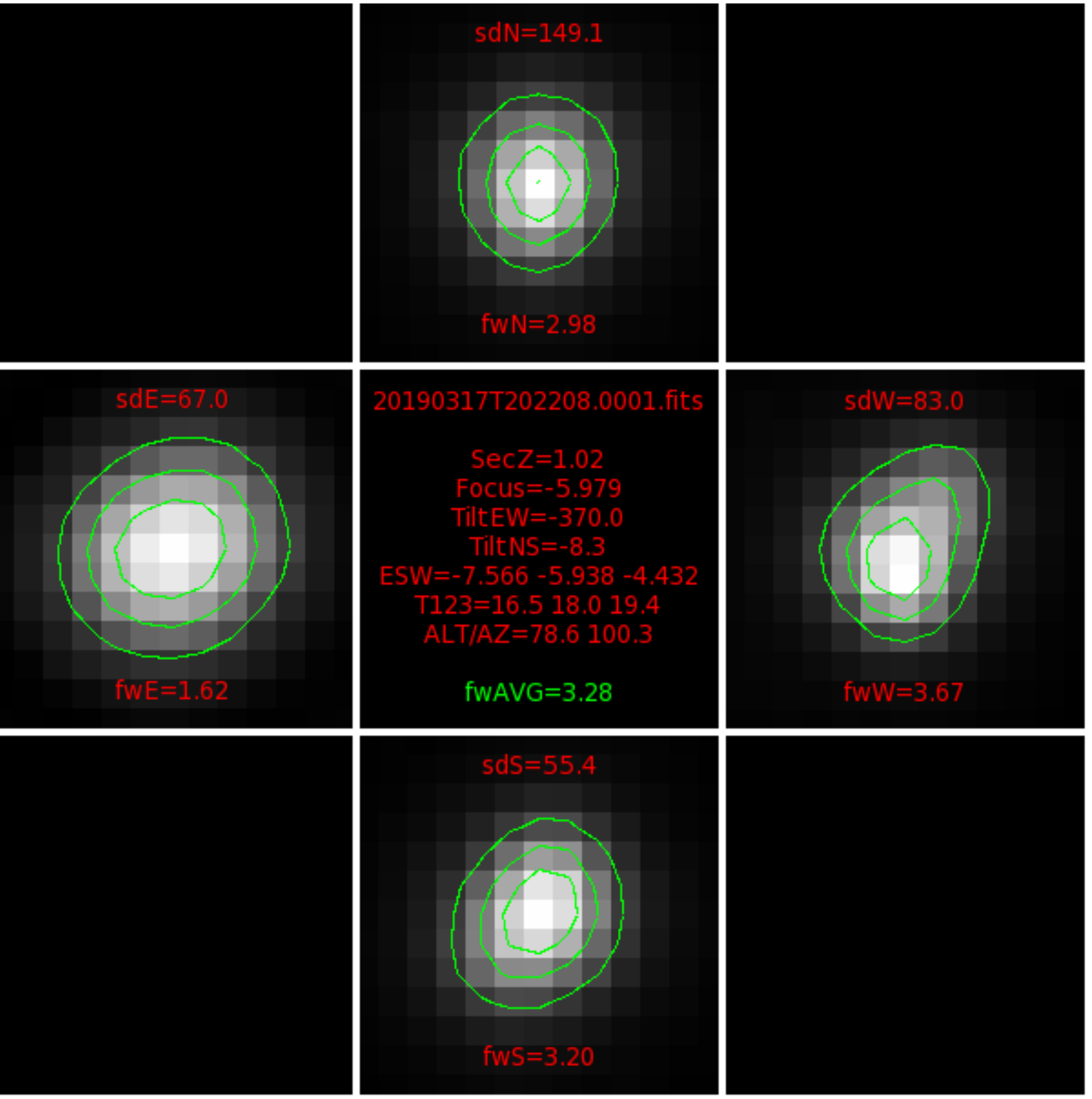
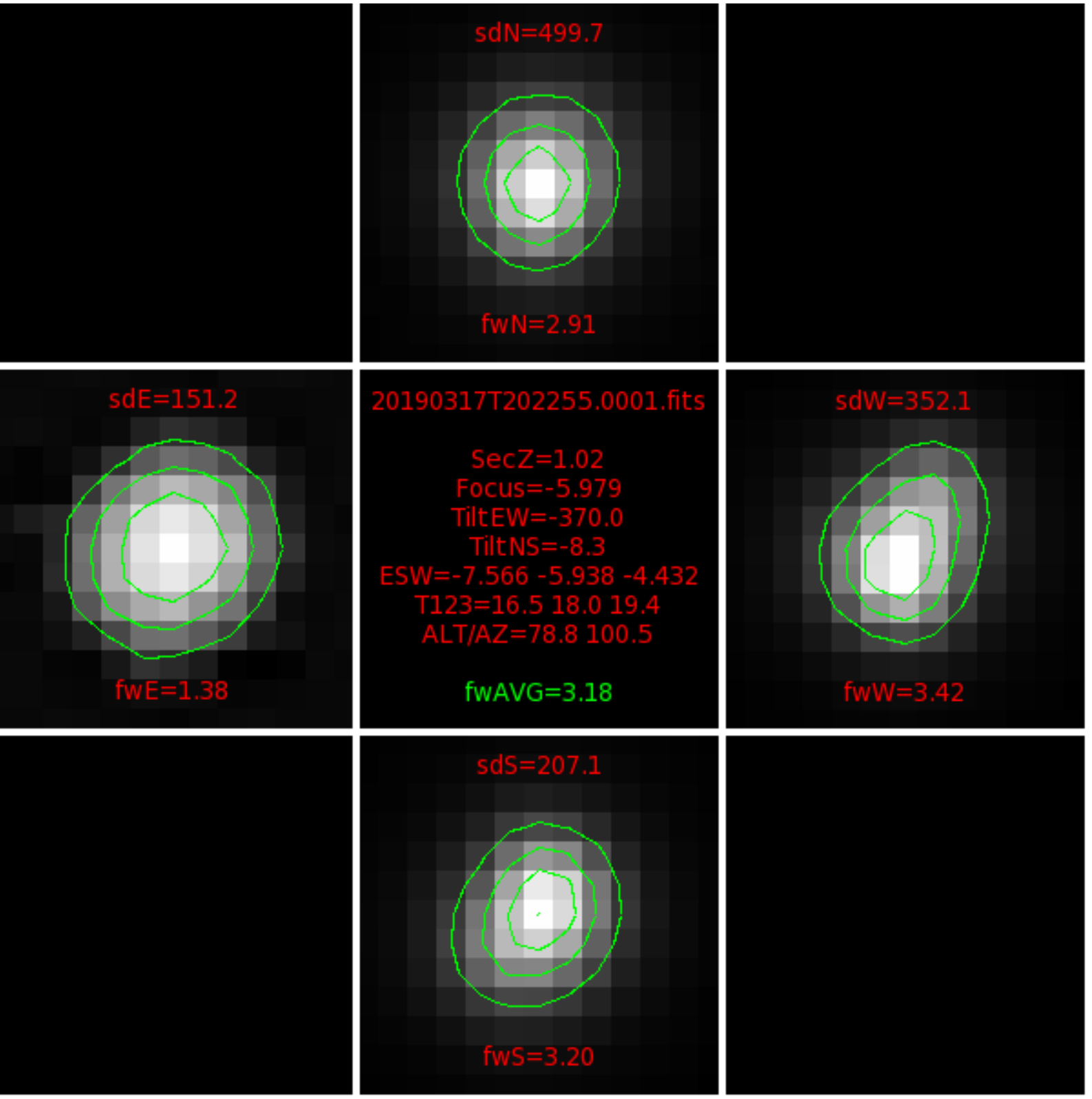

sdN=149.1
fwN=2.98
sdE=67.0
fwE=1.62
20190317T202208.0001.fits
SecZ=1.02
Focus=-5.979
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.566 -5.938 -4.432
T123=16.5 18.0 19.4
ALT/AZ=78.6 100.3
fwAVG=3.28
sdW=83.0
fwW=3.67
sdS=55.4
fwS=3.20
0 0 0 0 0 0 0 0 0


sdN=499.7
fwN=2.91
sdE=151.2
fwE=1.38
20190317T202255.0001.fits
SecZ=1.02
Focus=-5.979
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.566 -5.938 -4.432
T123=16.5 18.0 19.4
ALT/AZ=78.8 100.5
fwAVG=3.18
sdW=352.1
fwW=3.42
sdS=207.1
fwS=3.20
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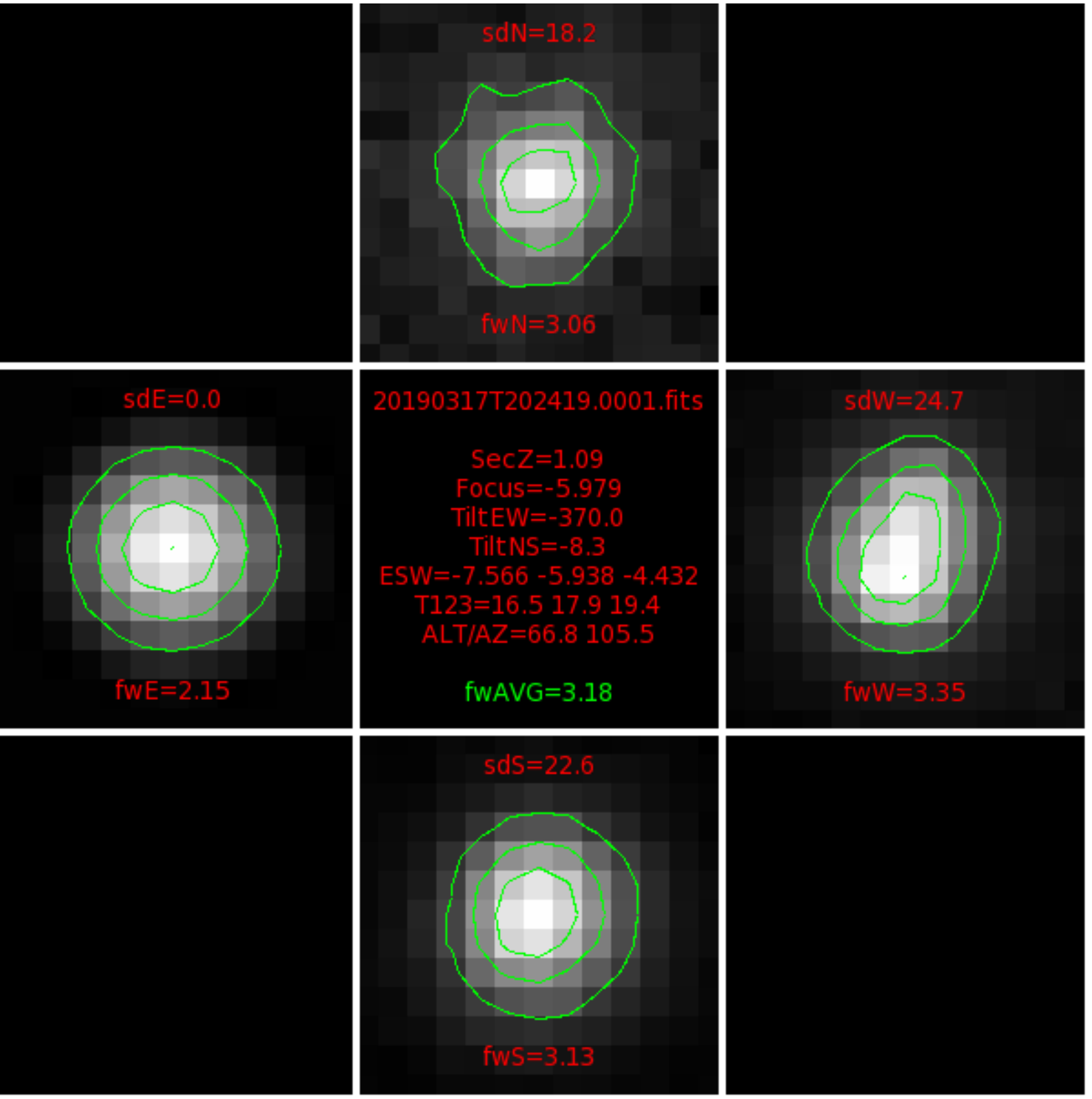
sdN=18.2
fwN=3.06
sdE=0.0
fwE=2.15
20190317T202419.0001.fits
SecZ=1.09
Focus=-5.979
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.566 -5.938 -4.432
T123=16.5 17.9 19.4
ALT/AZ=66.8 105.5
fwAVG=3.18
sdW=24.7
fwW=3.35
sdS=22.6
fwS=3.13
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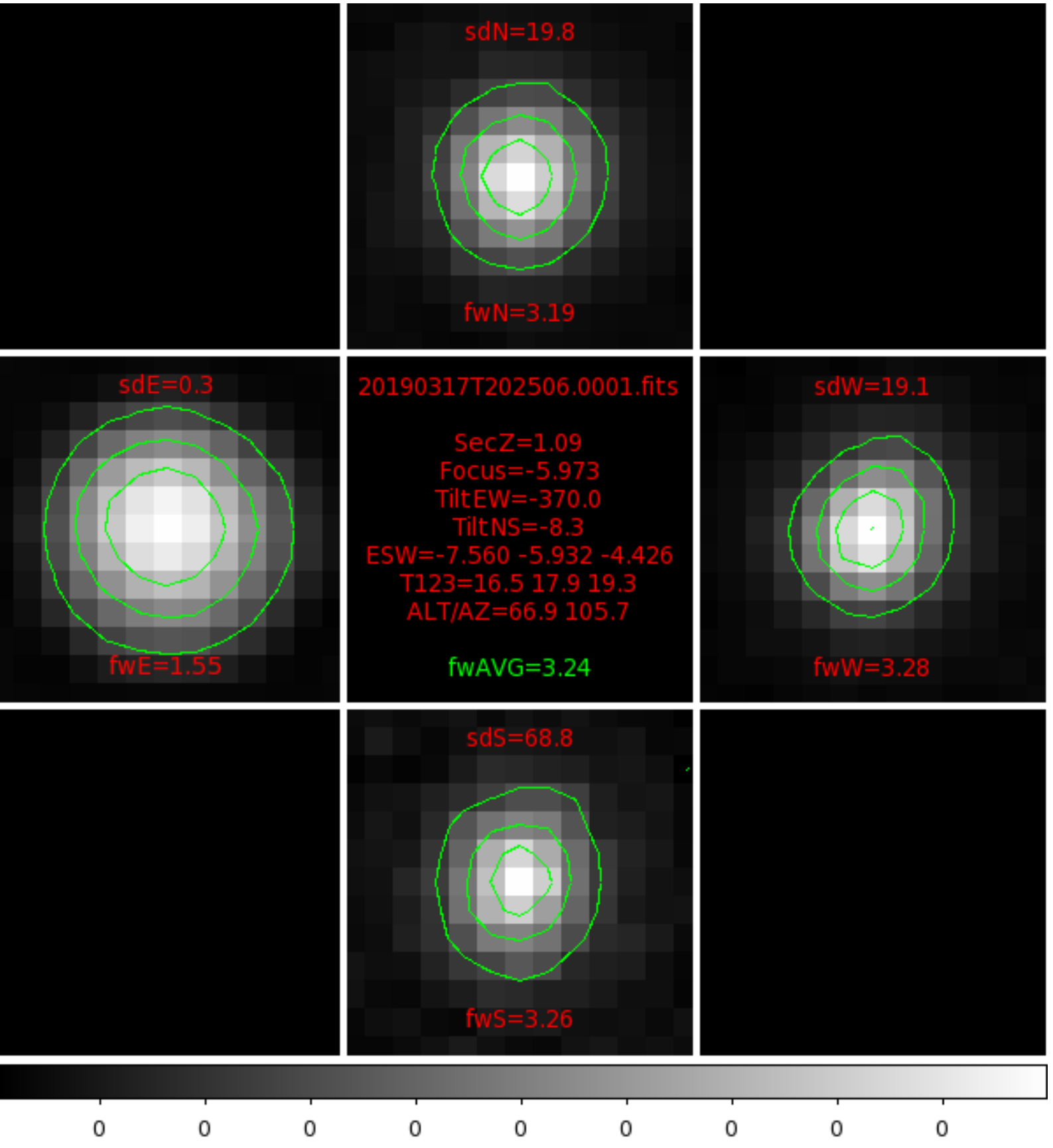
sdN=19.8
fwN=3.19
sdE=0.3
fwE=1.55
20190317T202506.0001.fits
SecZ=1.09
Focus=-5.973
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.560 -5.932 -4.426
T123=16.5 17.9 19.3
ALT/AZ=66.9 105.7
fwAVG=3.24
sdW=19.1
fwW=3.28
sdS=68.8
fwS=3.26
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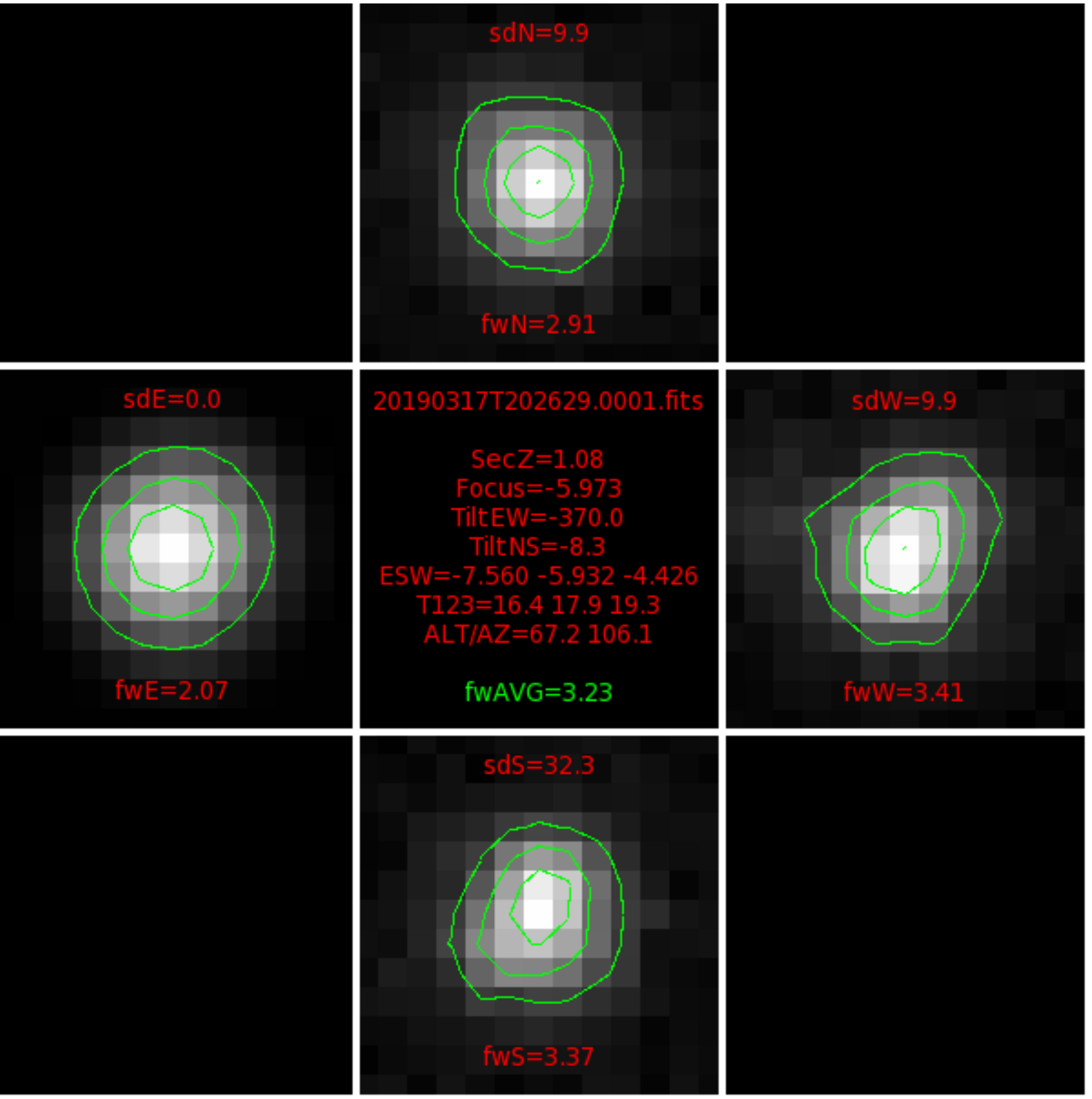
sdN=9.9
fwN=2.91
sdE=0.0
fwE=2.07
20190317T202629.0001.fits
SecZ=1.08
Focus=-5.973
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.560 -5.932 -4.426
T123=16.4 17.9 19.3
ALT/AZ=67.2 106.1
fwAVG=3.23
sdW=9.9
fwW=3.41
sdS=32.3
fwS=3.37
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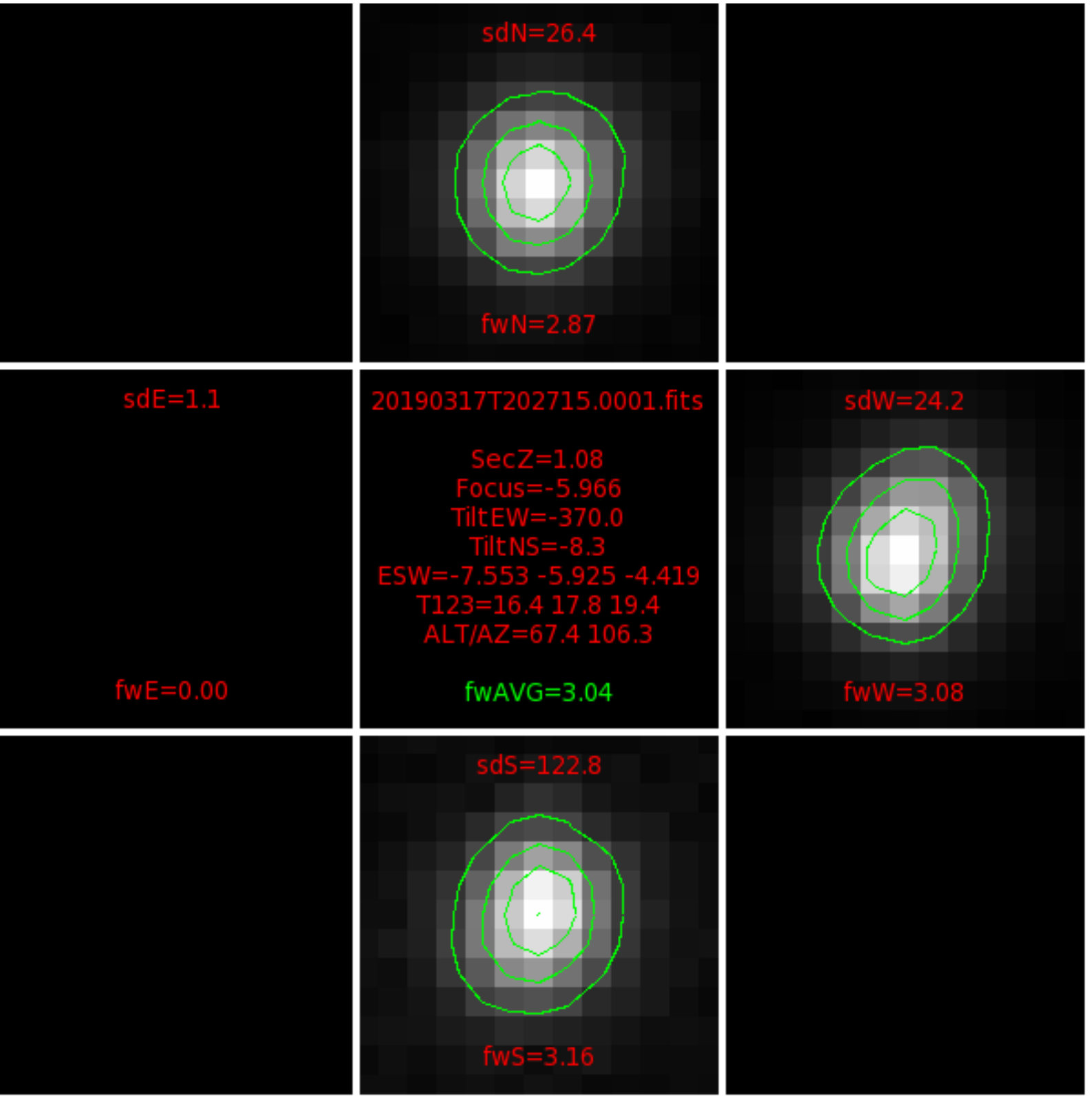
sdN=26.4
fwN=2.87
sdE=1.1
fwE=0.00
20190317T202715.0001.fits
SecZ=1.08
Focus=-5.966
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.553 -5.925 -4.419
T123=16.4 17.8 19.4
ALT/AZ=67.4 106.3
fwAVG=3.04
sdW=24.2
fwW=3.08
sdS=122.8
fwS=3.16
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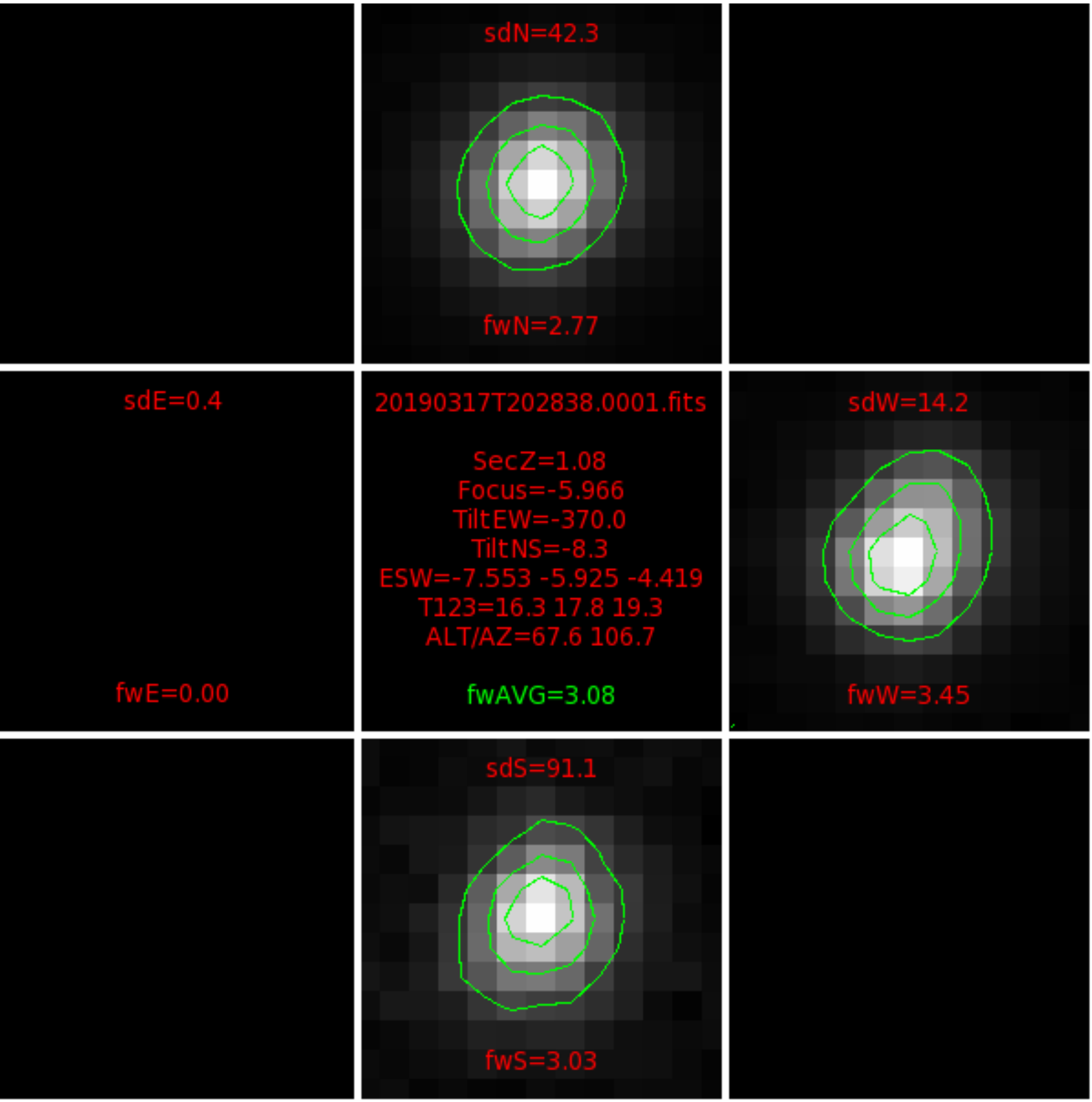
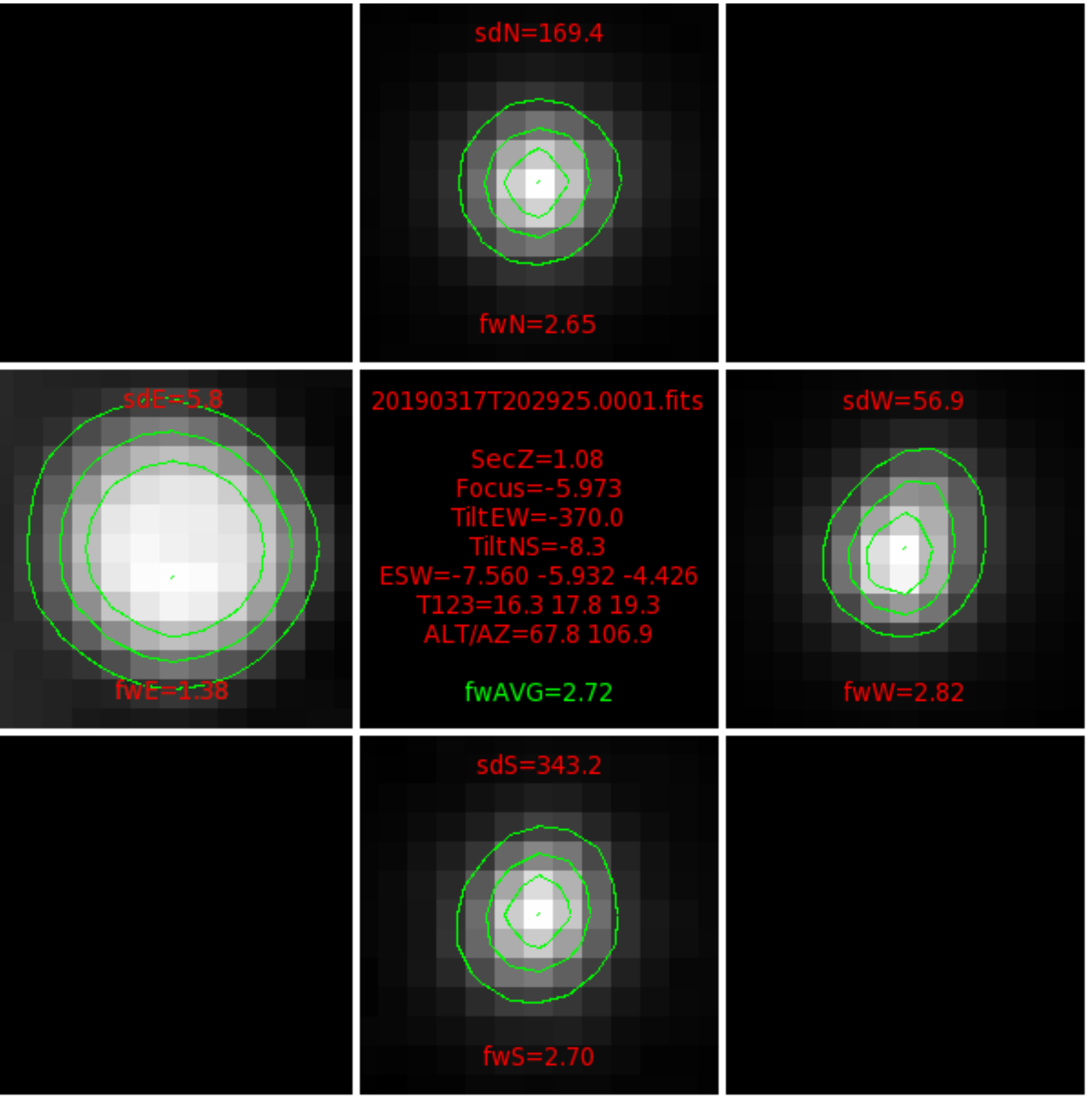

sdN=42.3
fwN=2.77
sdE=0.4
fwE=0.00
20190317T202838.0001.fits
SecZ=1.08
Focus=-5.966
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.553 -5.925 -4.419
T123=16.3 17.8 19.3
ALT/AZ=67.6 106.7
fwAVG=3.08
sdW=14.2
fwW=3.45
sdS=91.1
fwS=3.03
0 0 0 0 0 0 0 0 0


sdN=169.4
fwN=2.65
sdE=-5.8
fwE=1.38
20190317T202925.0001.fits
SecZ=1.08
Focus=-5.973
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.560 -5.932 -4.426
T123=16.3 17.8 19.3
ALT/AZ=67.8 106.9
fwAVG=2.72
sdW=56.9
fwW=2.82
sdS=343.2
fwS=2.70
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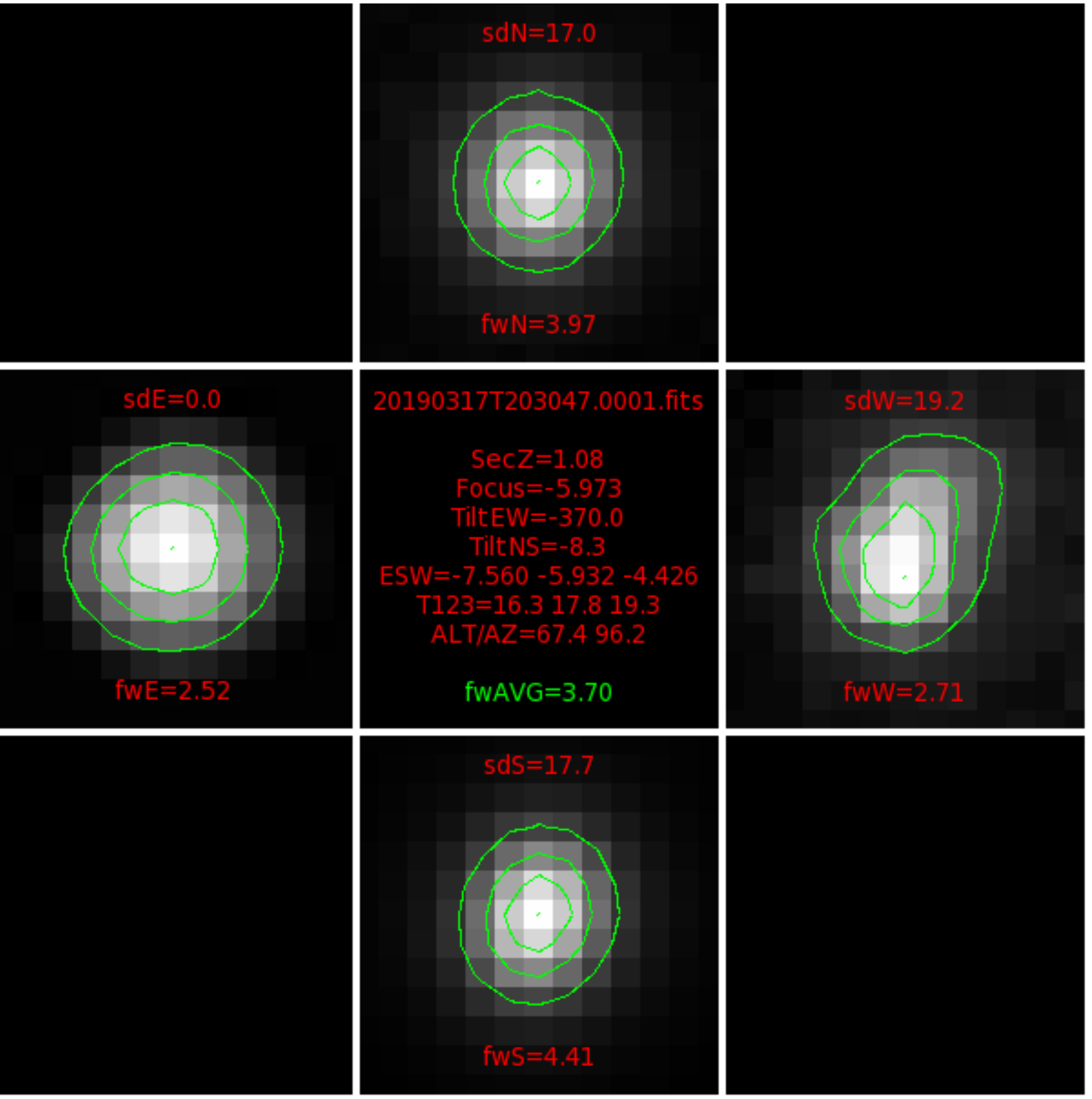
sdN=17.0
fwN=3.97
sdE=0.0
fwE=2.52
20190317T203047.0001.fits
SecZ=1.08
Focus=-5.973
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.560 -5.932 -4.426
T123=16.3 17.8 19.3
ALT/AZ=67.4 96.2
fwAVG=3.70
sdW=19.2
fwW=2.71
sdS=17.7
fwS=4.41
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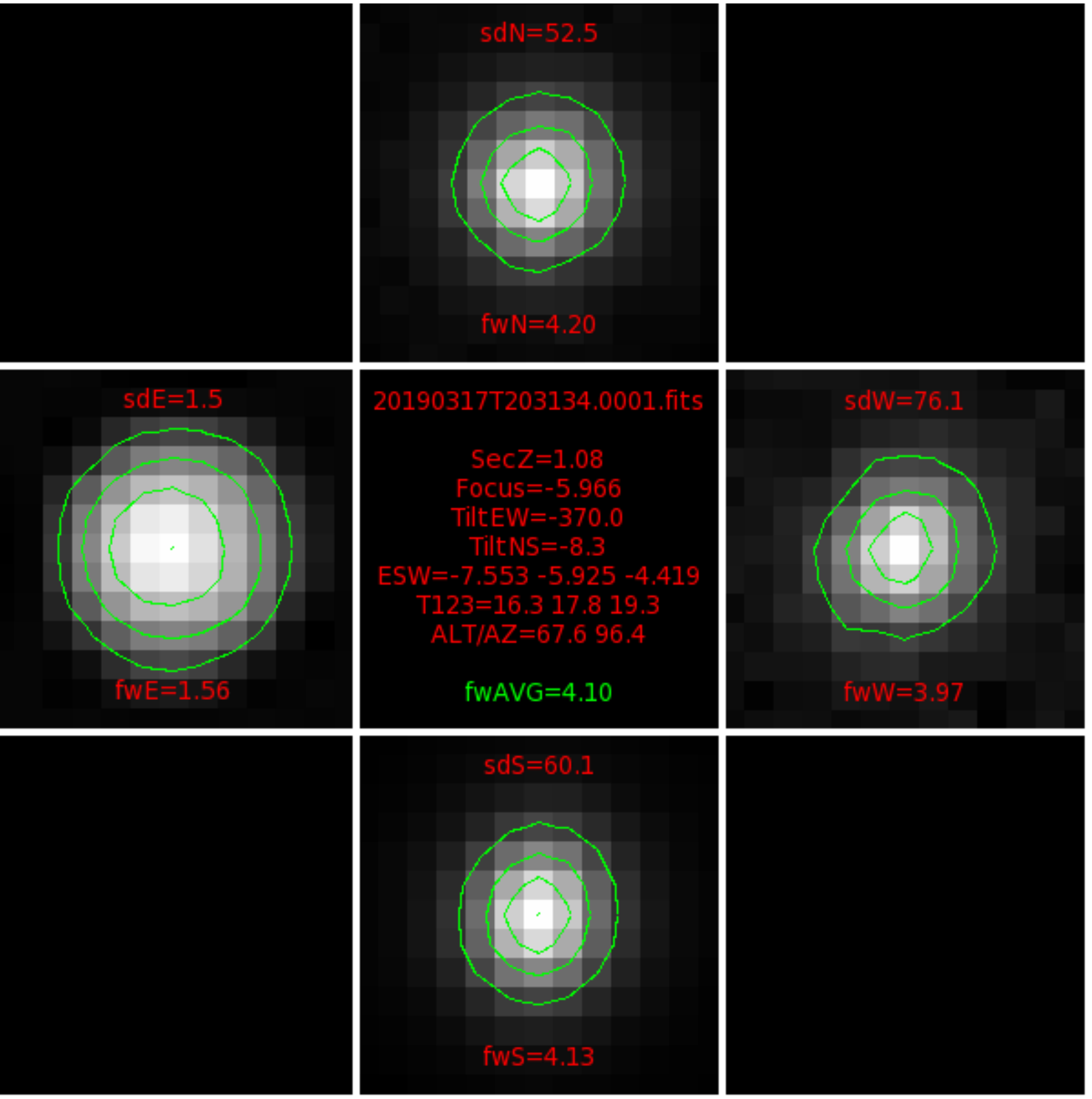
sdN=52.5
fwN=4.20
sdE=1.5
fwE=1.56
20190317T203134.0001.fits
SecZ=1.08
Focus=-5.966
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.553 -5.925 -4.419
T123=16.3 17.8 19.3
ALT/AZ=67.6 96.4
fwAVG=4.10
sdW=76.1
fwW=3.97
sdS=60.1
fwS=4.13
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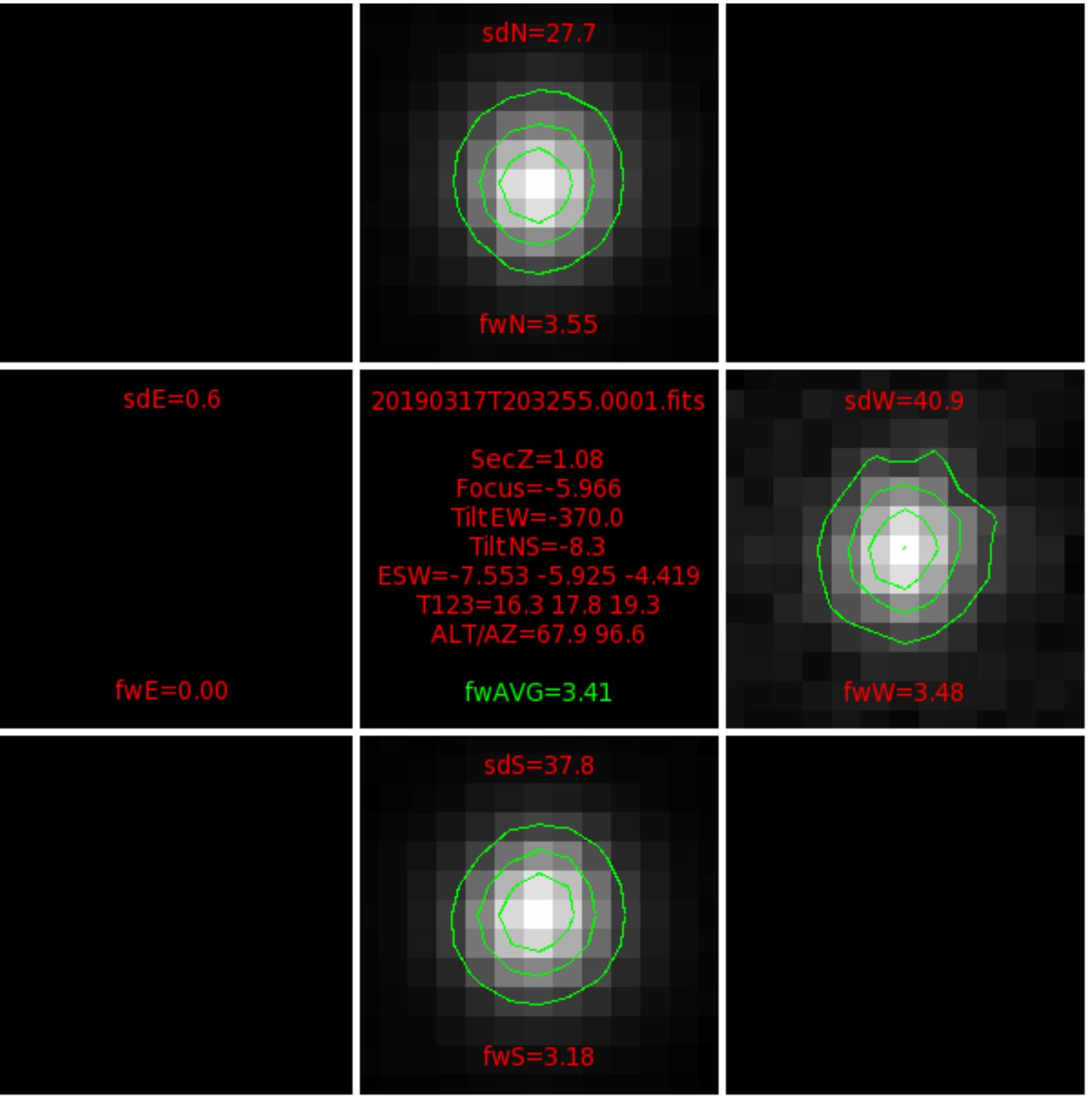
sdN=27.7
fwN=3.55
sdE=0.6
fwE=0.00
20190317T203255.0001.fits
SecZ=1.08
Focus=-5.966
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.553 -5.925 -4.419
T123=16.3 17.8 19.3
ALT/AZ=67.9 96.6
fwAVG=3.41
sdW=40.9
fwW=3.48
sdS=37.8
fwS=3.18
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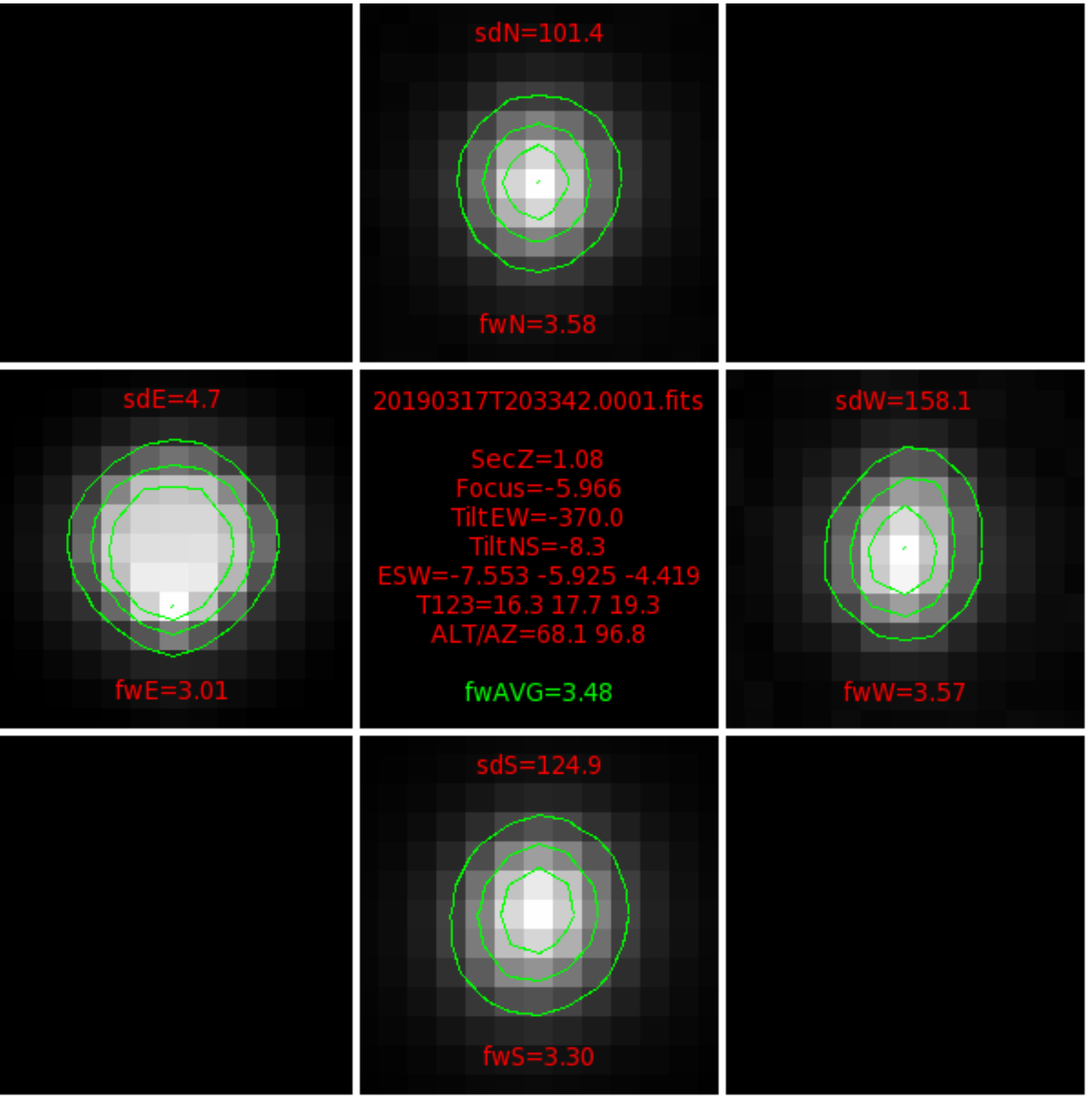
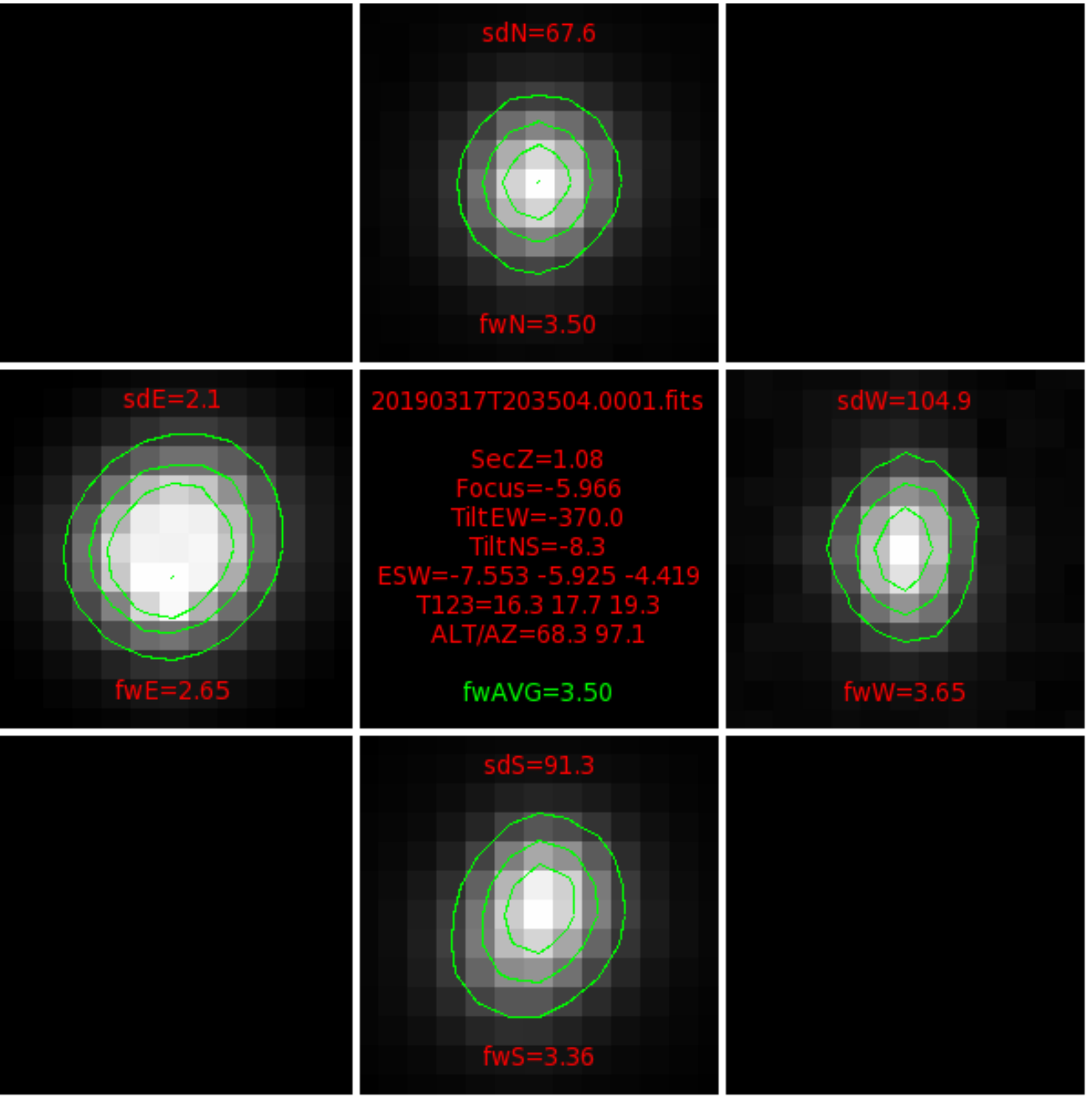
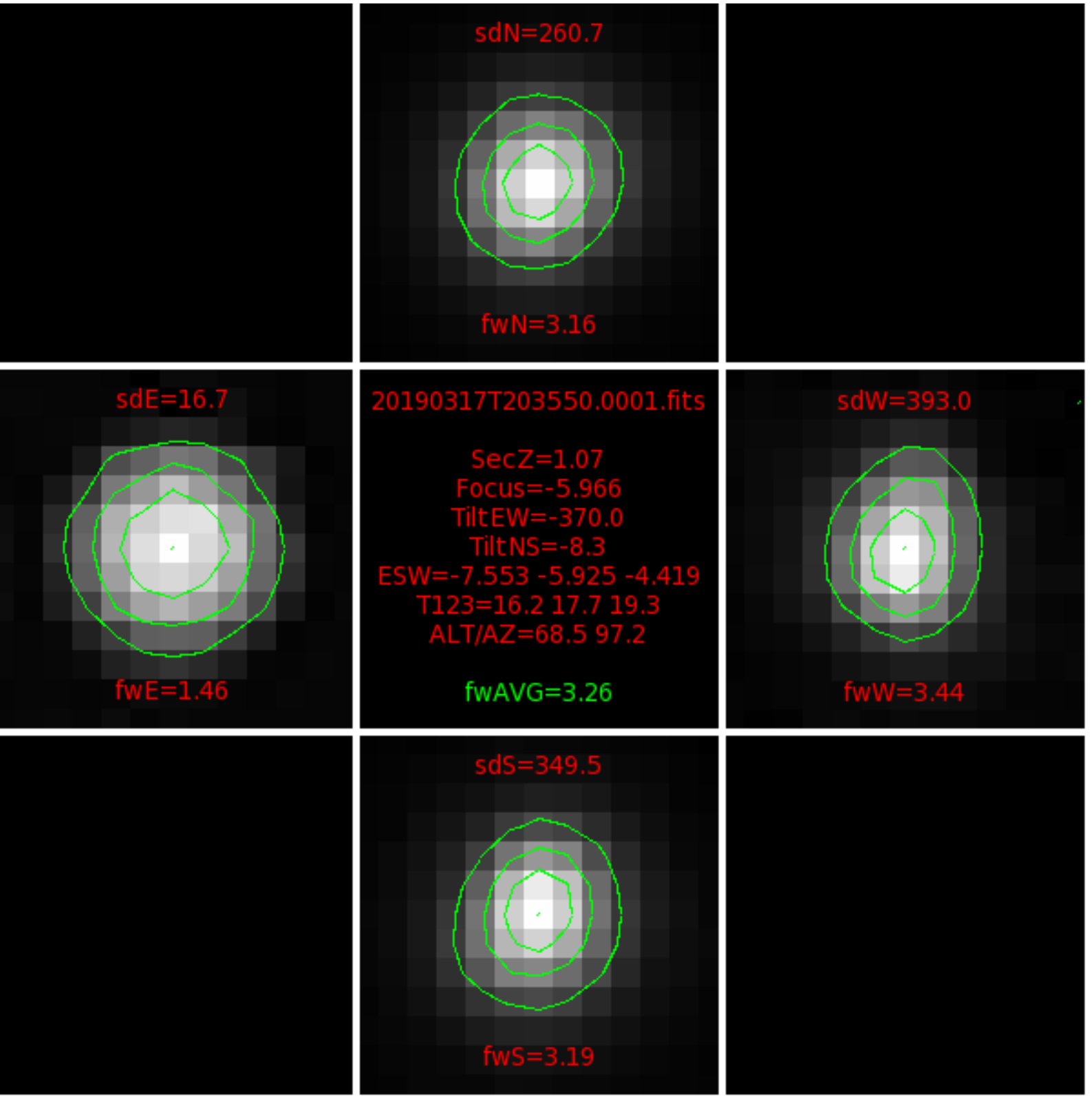
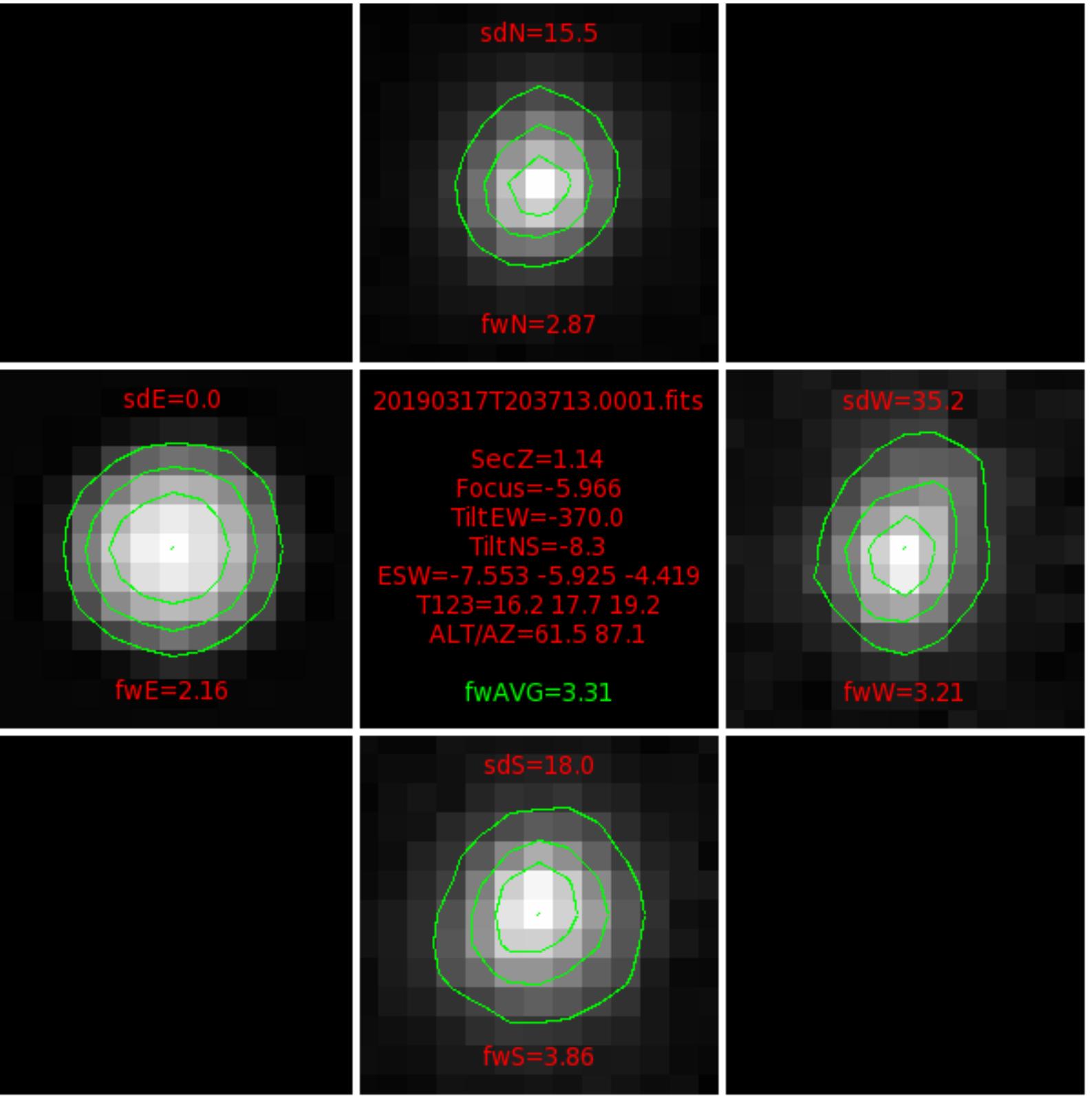
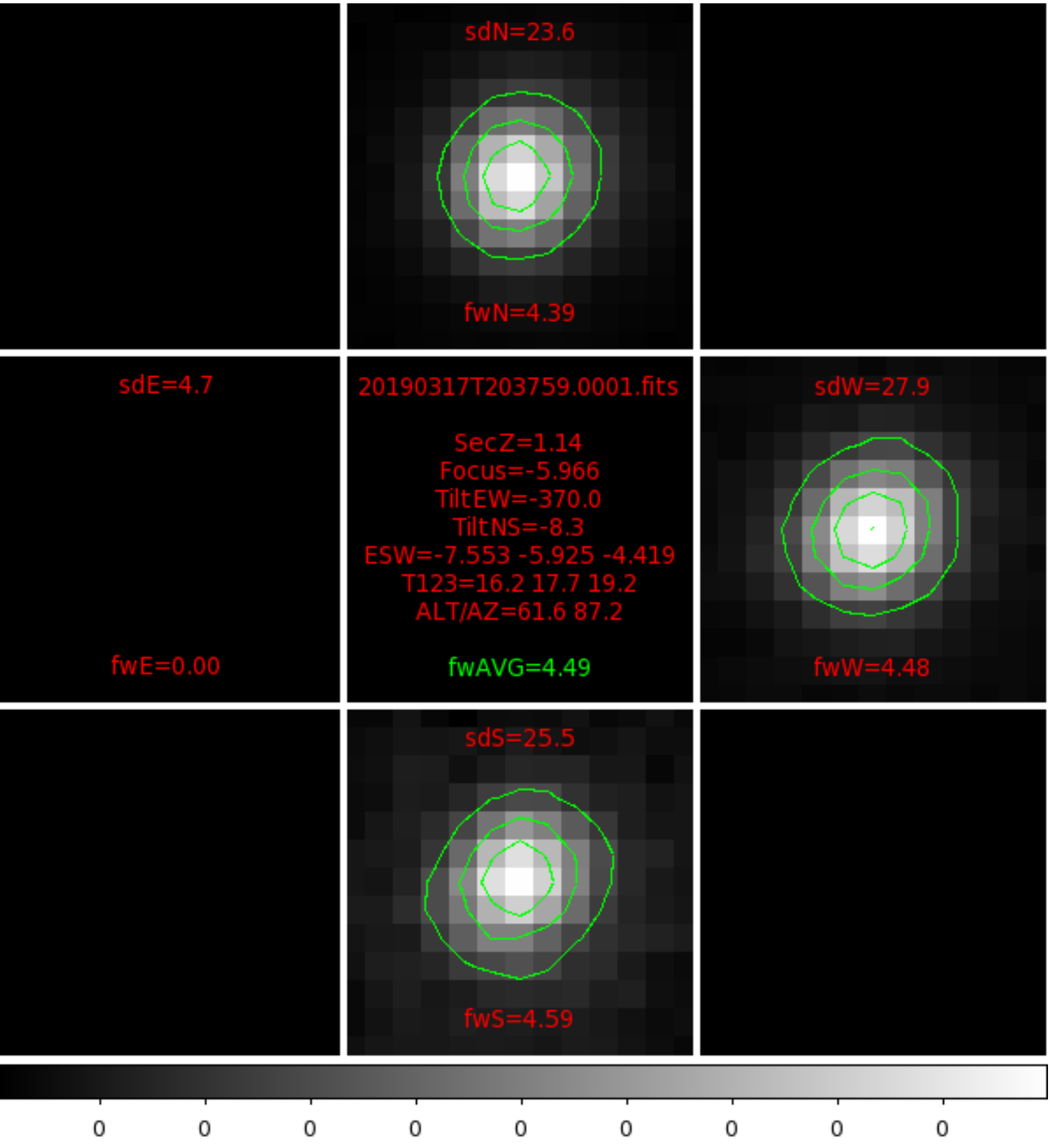

sdN=101.4
fwN=3.58
sdE=4.7
fwE=3.01
20190317T203342.0001.fits
SecZ=1.08
Focus=-5.966
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.553 -5.925 -4.419
T123=16.3 17.7 19.3
ALT/AZ=68.1 96.8
fwAVG=3.48
sdW=158.1
fwW=3.57
sdS=124.9
fwS=3.30
0 0 0 0 0 0 0 0 0


sdN=67.6
fwN=3.50
sdE=2.1
fwE=2.65
20190317T203504.0001.fits
SecZ=1.08
Focus=-5.966
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.553 -5.925 -4.419
T123=16.3 17.7 19.3
ALT/AZ=68.3 97.1
fwAVG=3.50
sdW=104.9
fwW=3.65
sdS=91.3
fwS=3.36
0 0 0 0 0 0 0 0 0


sdN=260.7
fwN=3.16
sdE=16.7
fwE=1.46
20190317T203550.0001.fits
SecZ=1.07
Focus=-5.966
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.553 -5.925 -4.419
T123=16.2 17.7 19.3
ALT/AZ=68.5 97.2
fwAVG=3.26
sdW=393.0
fwW=3.44
sdS=349.5
fwS=3.19
0 0 0 0 0 0 0 0 0


sdN=15.5
fwN=2.87
sdE=0.0
fwE=2.16
20190317T203713.0001.fits
SecZ=1.14
Focus=-5.966
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.553 -5.925 -4.419
T123=16.2 17.7 19.2
ALT/AZ=61.5 87.1
fwAVG=3.31
sdW=35.2
fwW=3.21
sdS=18.0
fwS=3.86
0 0 0 0 0 0 0 0 0


sdN=23.6
fwN=4.39
sdE=4.7
fwE=0.00
20190317T203759.0001.fits
SecZ=1.14
Focus=-5.966
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.553 -5.925 -4.419
T123=16.2 17.7 19.2
ALT/AZ=61.6 87.2
fwAVG=4.49
sdW=27.9
fwW=4.48
sdS=25.5
fwS=4.59
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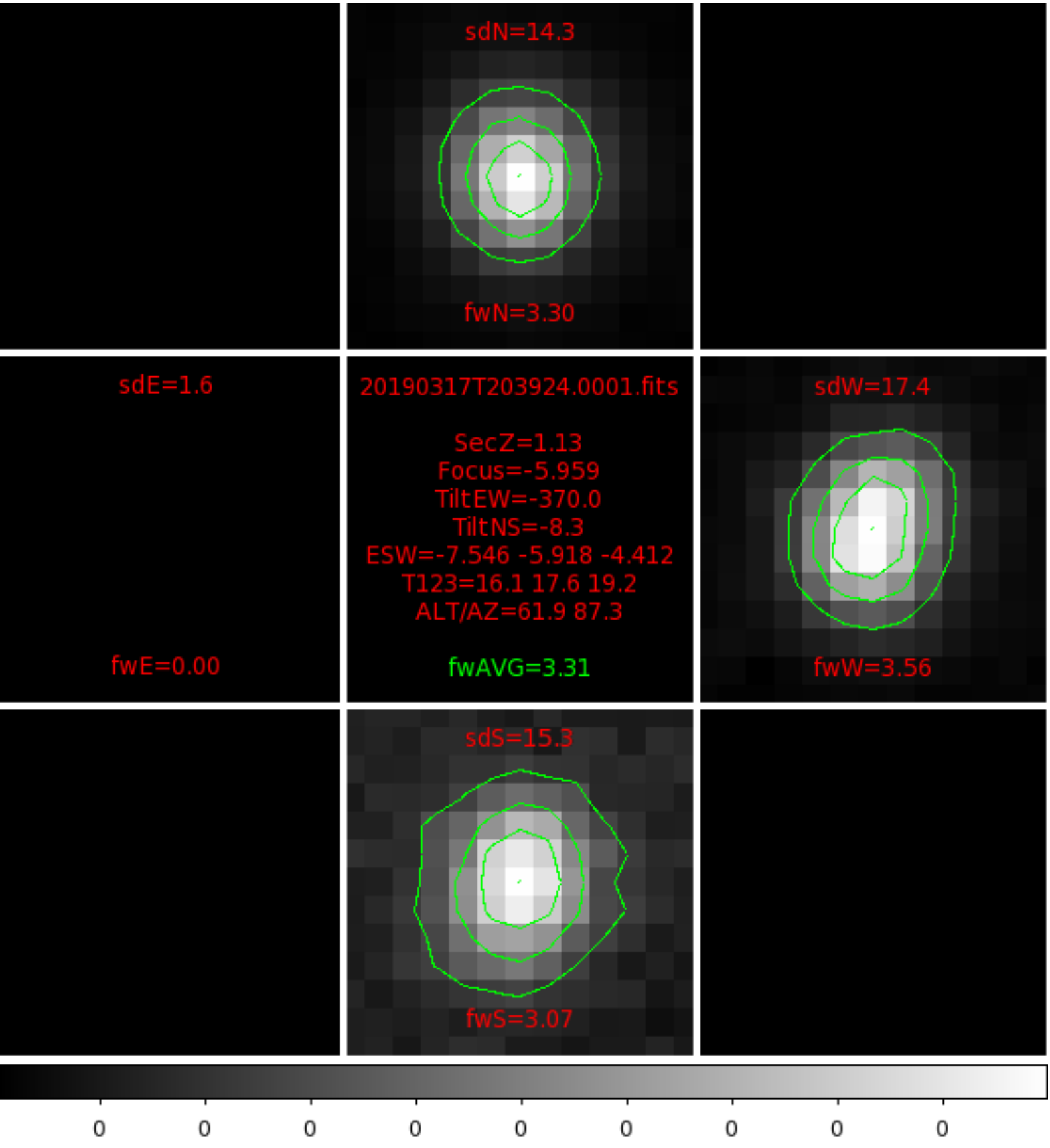
sdN=14.3
fwN=3.30
sdE=1.6
fwE=0.00
20190317T203924.0001.fits
SecZ=1.13
Focus=-5.959
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.546 -5.918 -4.412
T123=16.1 17.6 19.2
ALT/AZ=61.9 87.3
fwAVG=3.31
sdW=17.4
fwW=3.56
sdS=15.3
fwS=3.07
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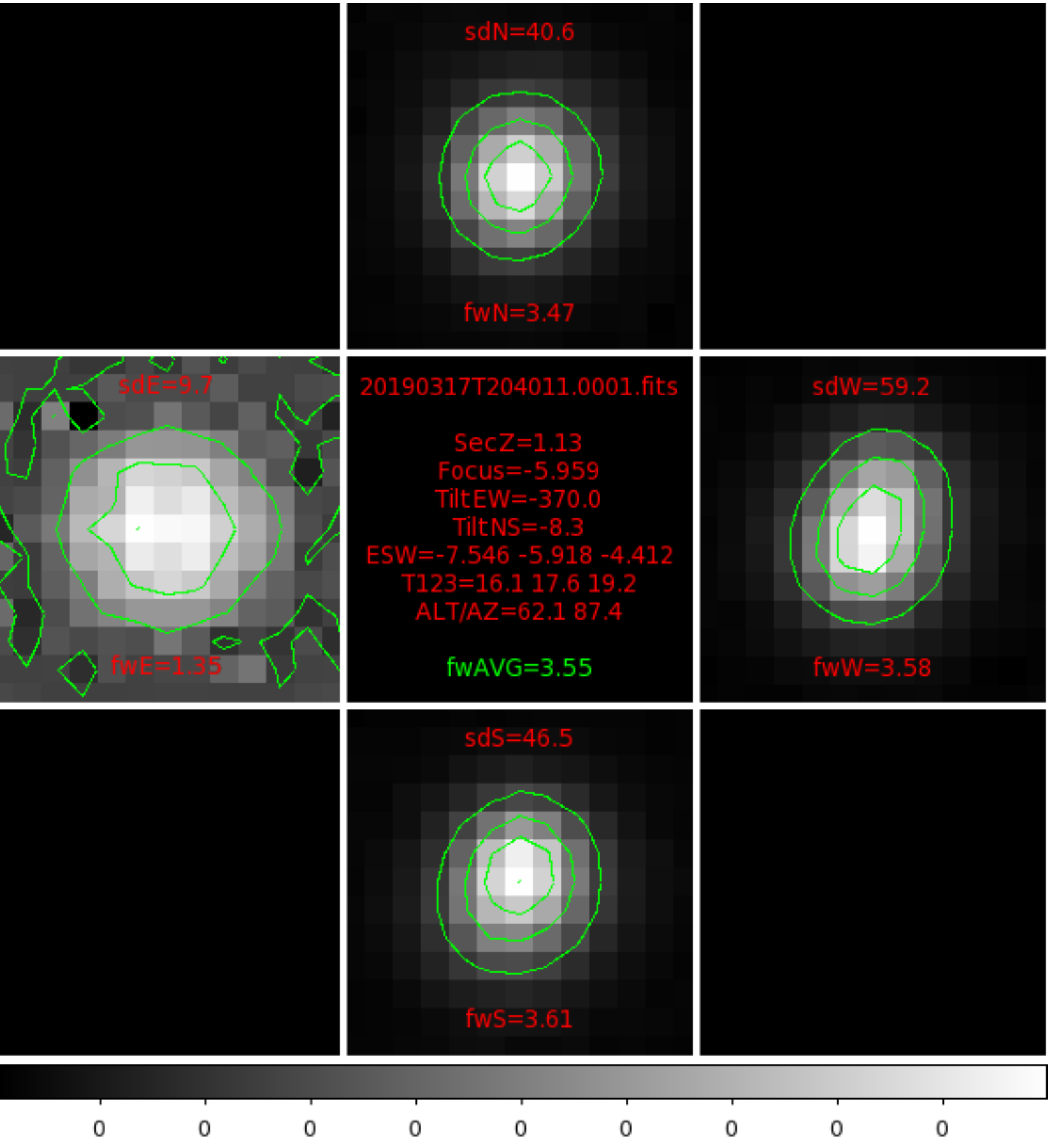
sdN=40.6
fwN=3.47
sdE=9.7
fwE=1.35
20190317T204011.0001.fits
SecZ=1.13
Focus=-5.959
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.546 -5.918 -4.412
T123=16.1 17.6 19.2
ALT/AZ=62.1 87.4
fwAVG=3.55
sdW=59.2
fwW=3.58
sdS=46.5
fwS=3.61
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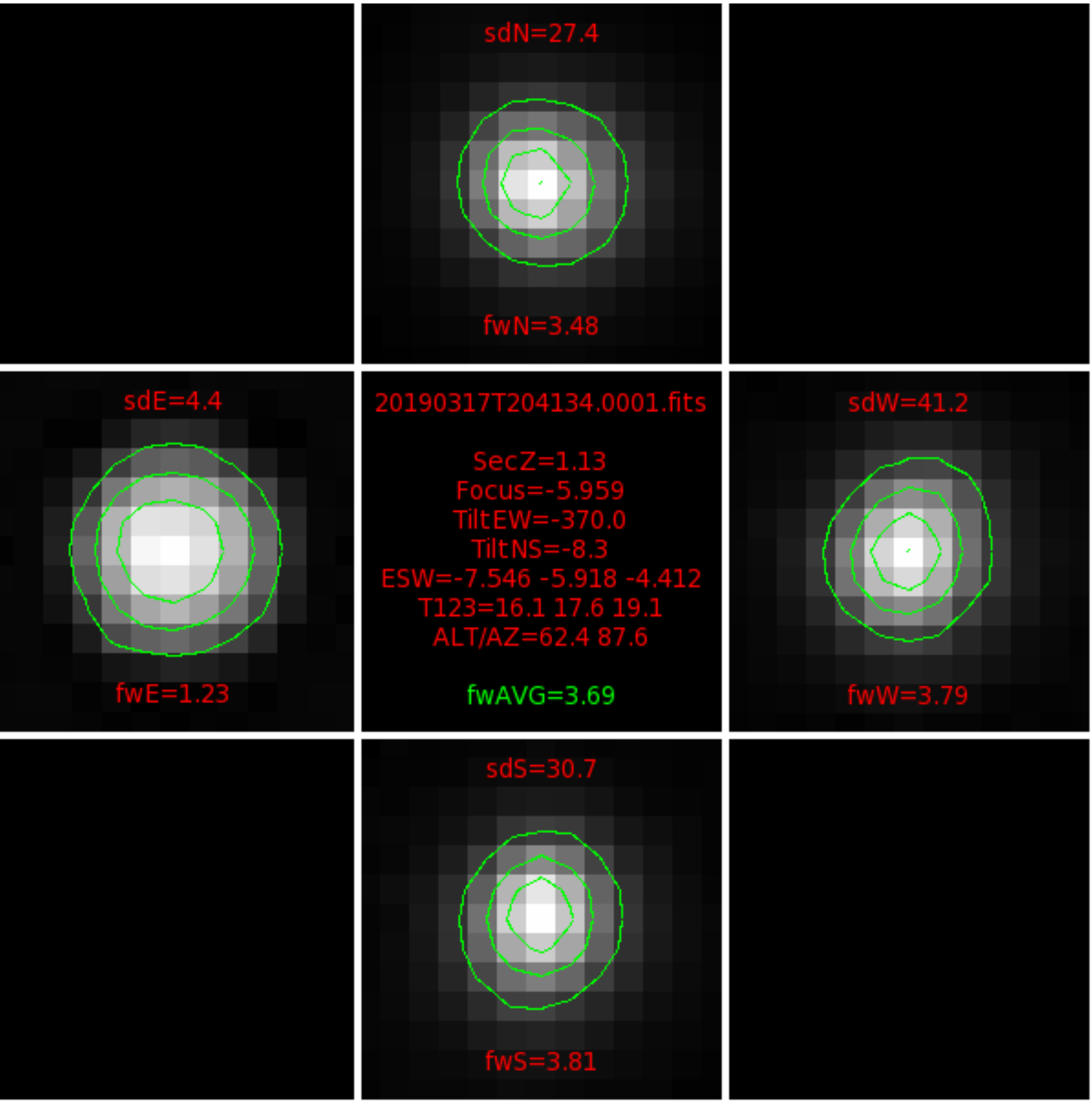
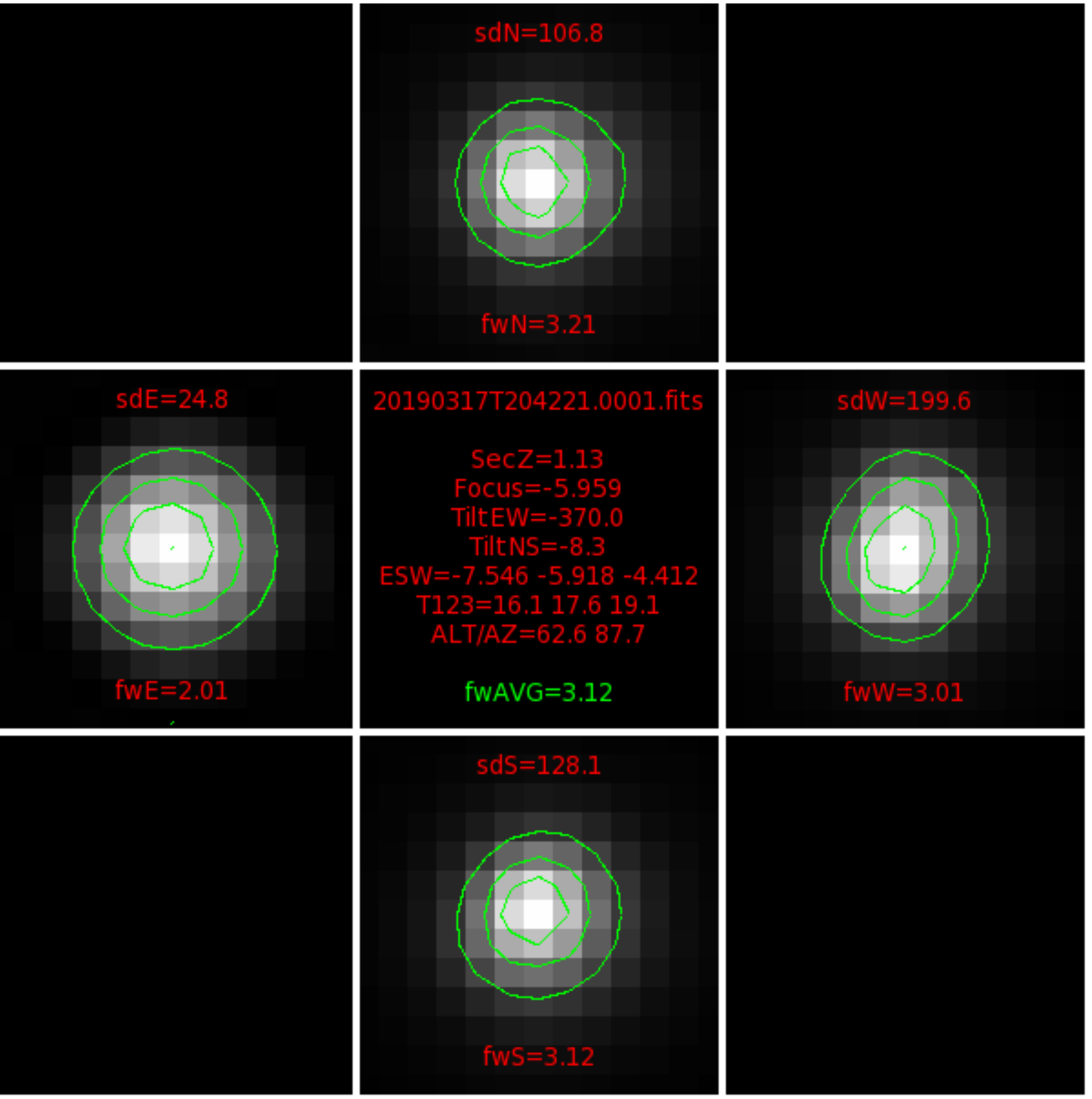

sdN=27.4
fwN=3.48
sdE=4.4
fwE=1.23
20190317T204134.0001.fits
SecZ=1.13
Focus=-5.959
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.546 -5.918 -4.412
T123=16.1 17.6 19.1
ALT/AZ=62.4 87.6
fwAVG=3.69
sdW=41.2
fwW=3.79
sdS=30.7
fwS=3.81
0 0 0 0 0 0 0 0 0


sdN=106.8
fwN=3.21
sdE=24.8
fwE=2.01
20190317T204221.0001.fits
SecZ=1.13
Focus=-5.959
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.546 -5.918 -4.412
T123=16.1 17.6 19.1
ALT/AZ=62.6 87.7
fwAVG=3.12
sdW=199.6
fwW=3.01
sdS=128.1
fwS=3.12
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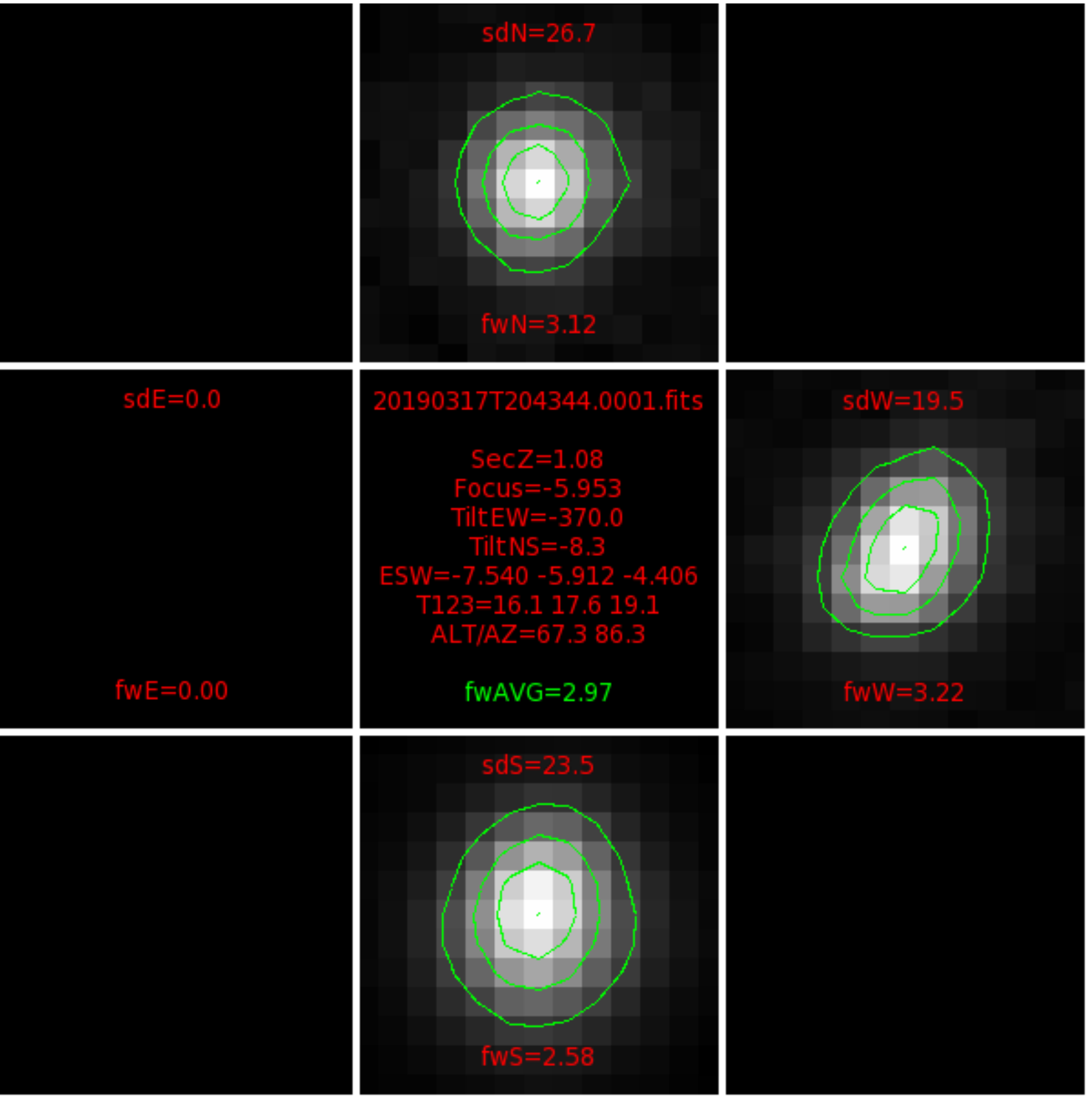
sdN=26.7
fwN=3.12
sdE=0.0
fwE=0.00
20190317T204344.0001.fits
SecZ=1.08
Focus=-5.953
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.540 -5.912 -4.406
T123=16.1 17.6 19.1
ALT/AZ=67.3 86.3
fwAVG=2.97
sdW=19.5
fwW=3.22
sdS=23.5
fwS=2.58
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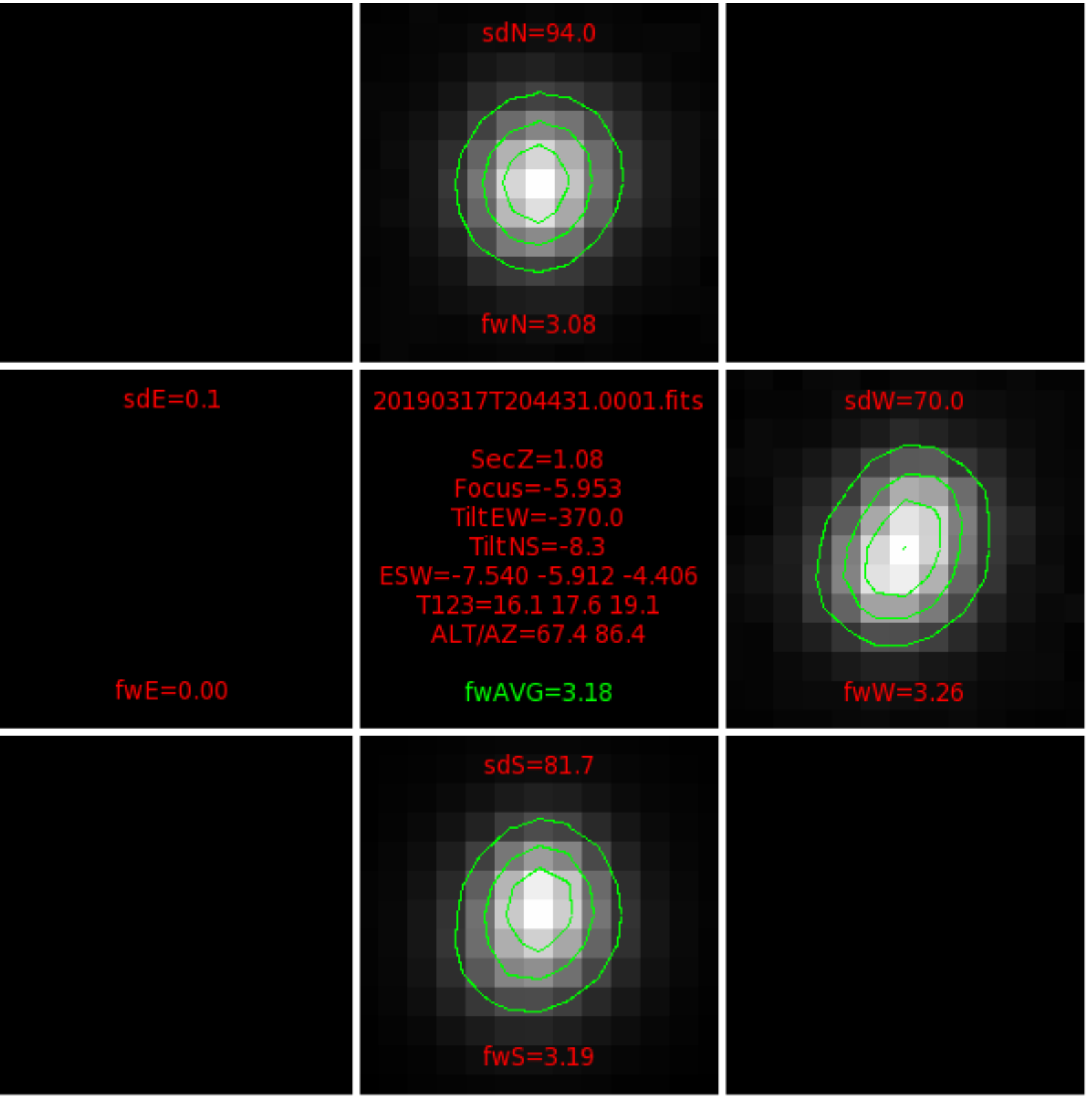
sdN=94.0
fwN=3.08
sdE=0.1
fwE=0.00
20190317T204431.0001.fits
SecZ=1.08
Focus=-5.953
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.540 -5.912 -4.406
T123=16.1 17.6 19.1
ALT/AZ=67.4 86.4
fwAVG=3.18
sdW=70.0
fwW=3.26
sdS=81.7
fwS=3.19
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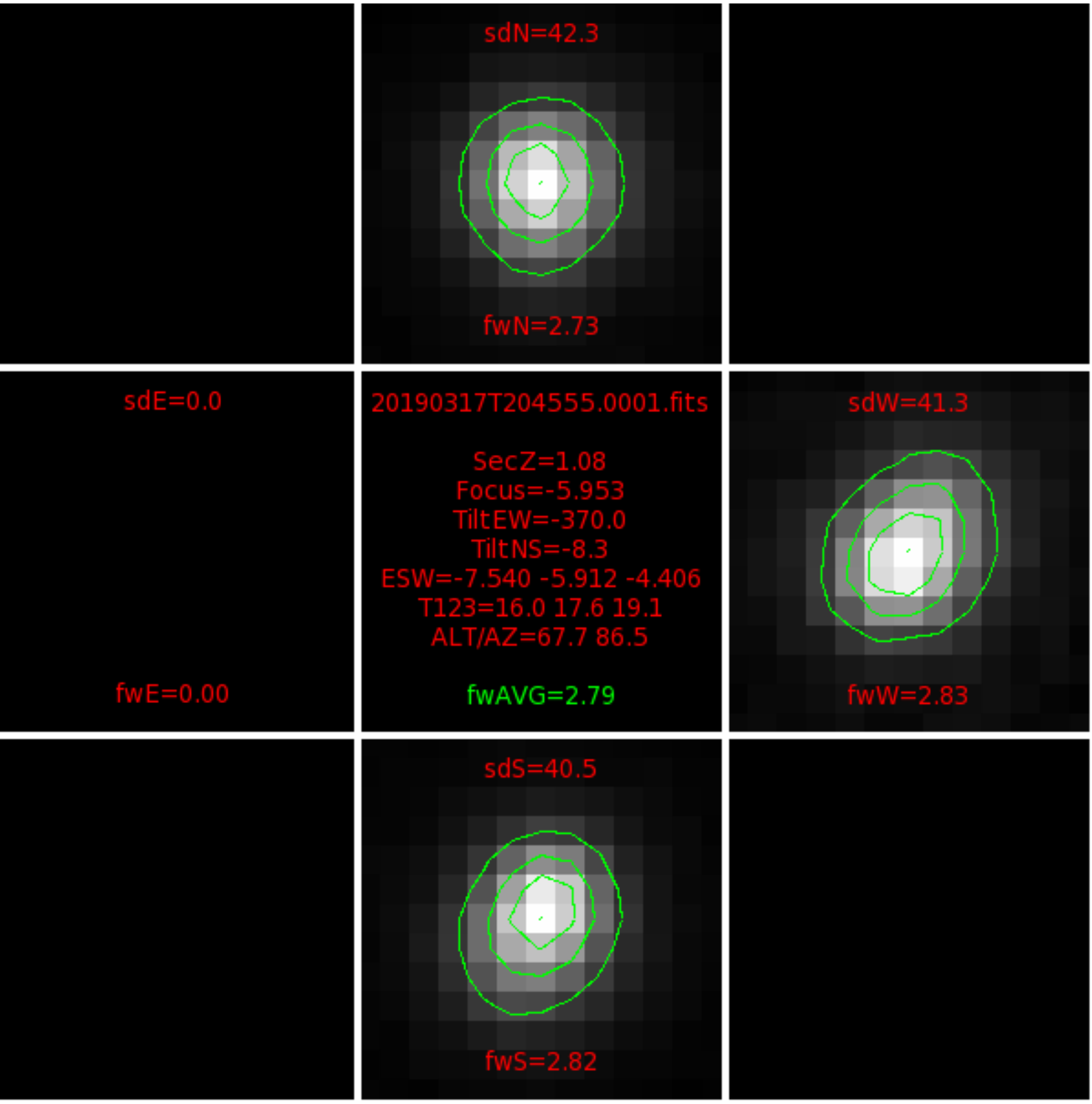
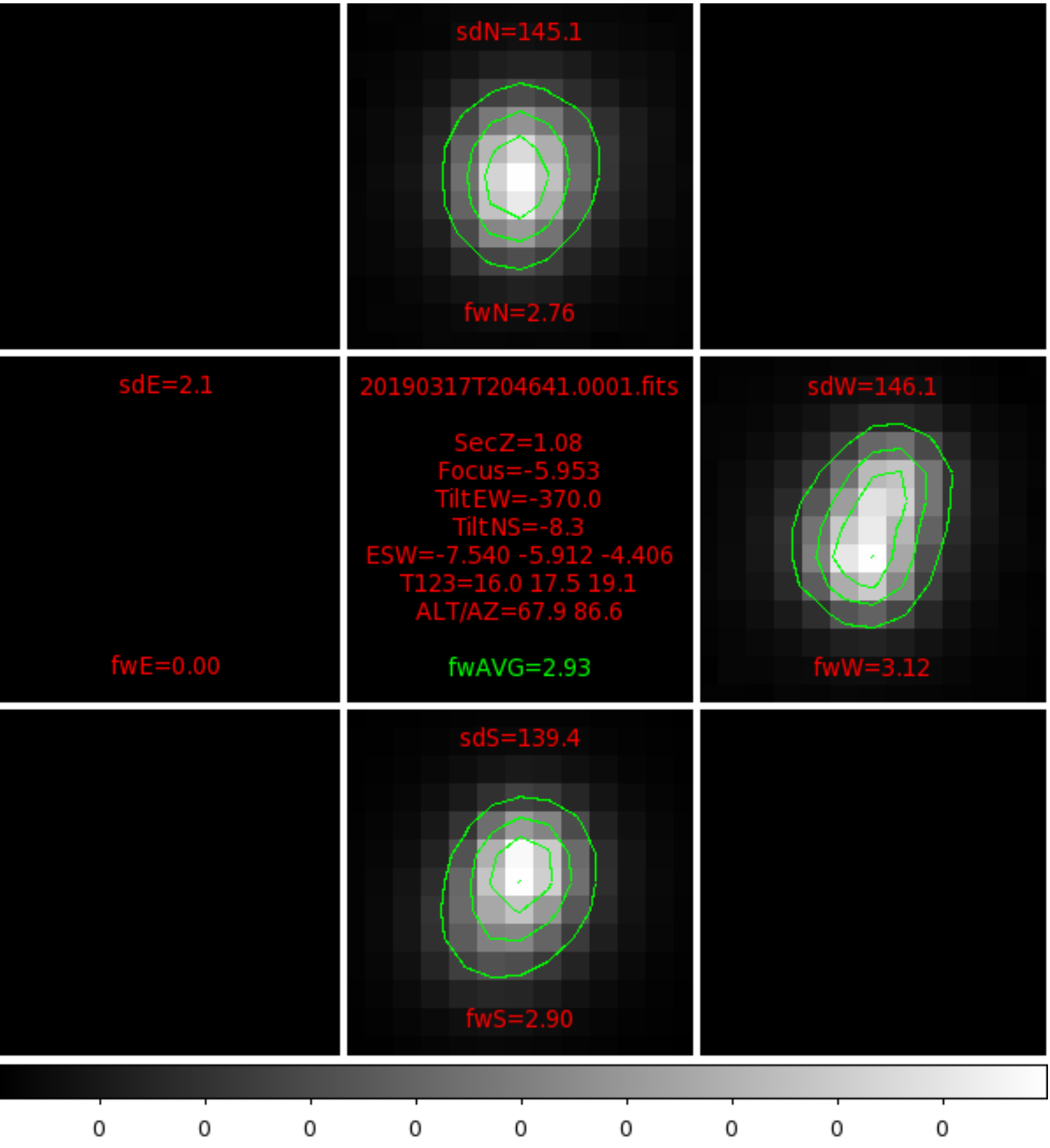

sdN=42.3
fwN=2.73
sdE=0.0
fwE=0.00
20190317T204555.0001.fits
SecZ=1.08
Focus=-5.953
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.540 -5.912 -4.406
T123=16.0 17.6 19.1
ALT/AZ=67.7 86.5
fwAVG=2.79
sdW=41.3
fwW=2.83
sdS=40.5
fwS=2.82
0 0 0 0 0 0 0 0 0


sdN=145.1
fwN=2.76
sdE=2.1
fwE=0.00
20190317T204641.0001.fits
SecZ=1.08
Focus=-5.953
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.540 -5.912 -4.406
T123=16.0 17.5 19.1
ALT/AZ=67.9 86.6
fwAVG=2.93
sdW=146.1
fwW=3.12
sdS=139.4
fwS=2.90
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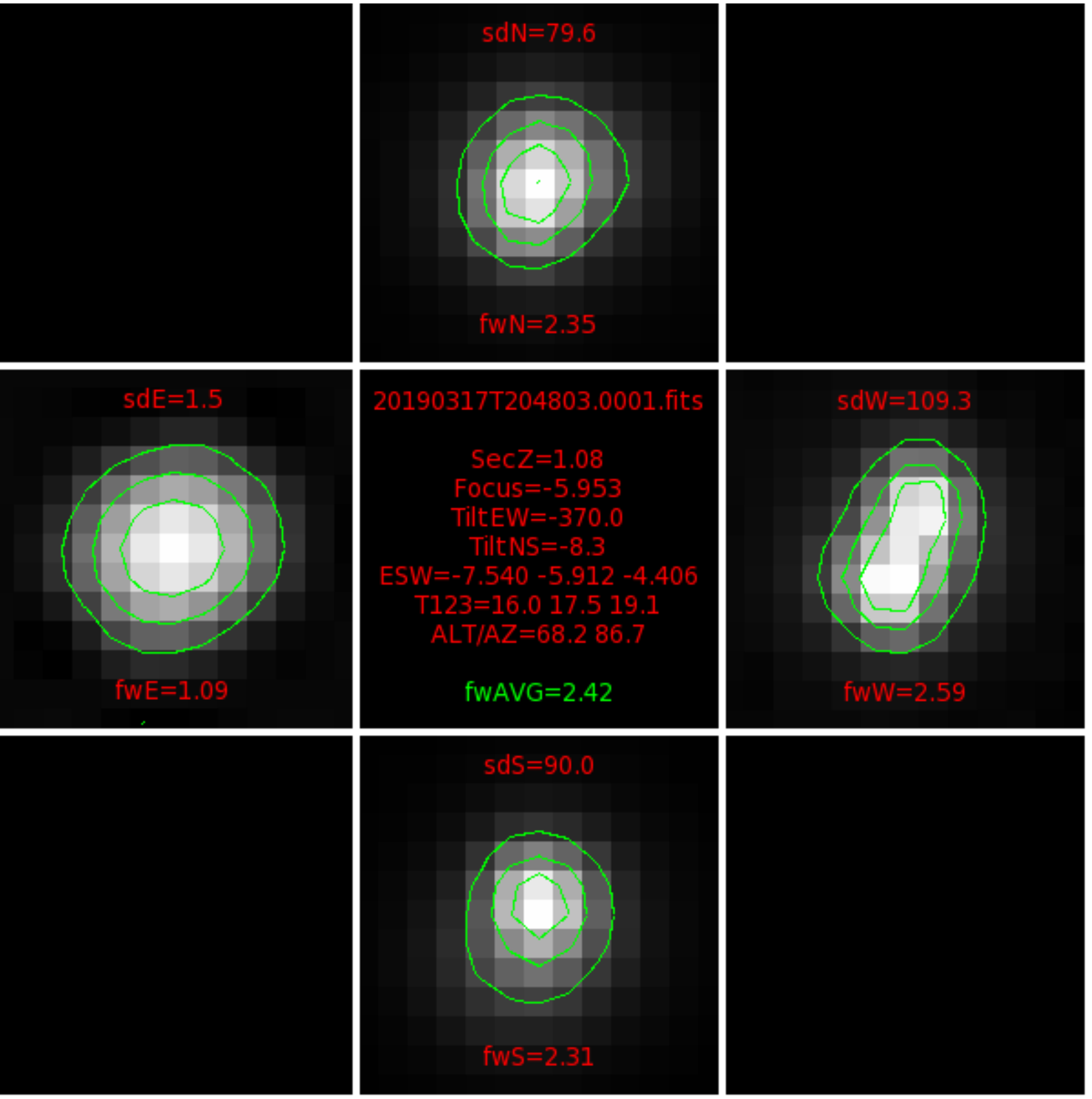
sdN=79.6
fwN=2.35
sdE=1.5
fwE=1.09
20190317T204803.0001.fits
SecZ=1.08
Focus=-5.953
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.540 -5.912 -4.406
T123=16.0 17.5 19.1
ALT/AZ=68.2 86.7
fwAVG=2.42
sdW=109.3
fwW=2.59
sdS=90.0
fwS=2.31
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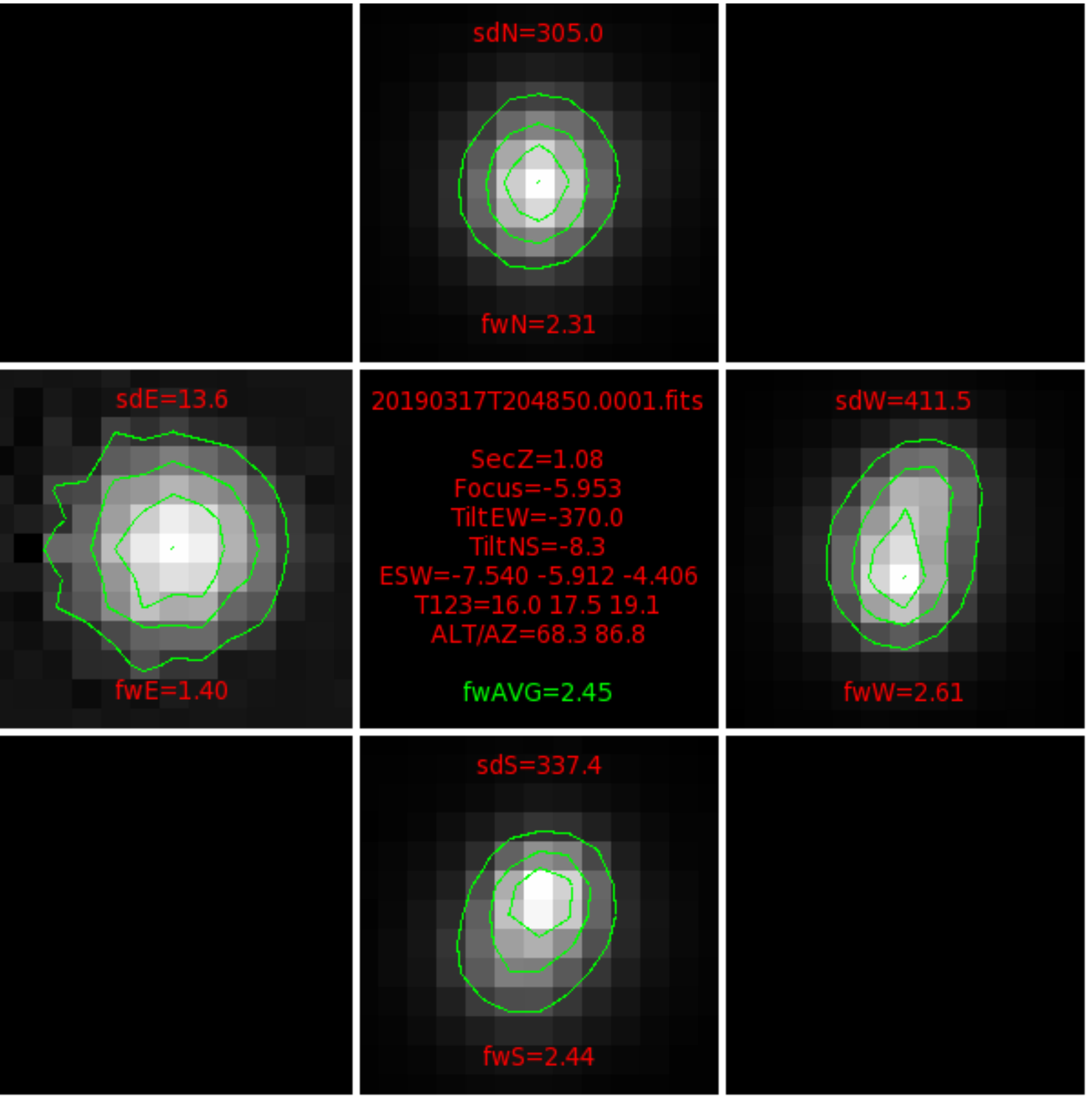
sdN=305.0
fwN=2.31
sdE=13.6
fwE=1.40
20190317T204850.0001.fits
SecZ=1.08
Focus=-5.953
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.540 -5.912 -4.406
T123=16.0 17.5 19.1
ALT/AZ=68.3 86.8
fwAVG=2.45
sdW=411.5
fwW=2.61
sdS=337.4
fwS=2.44
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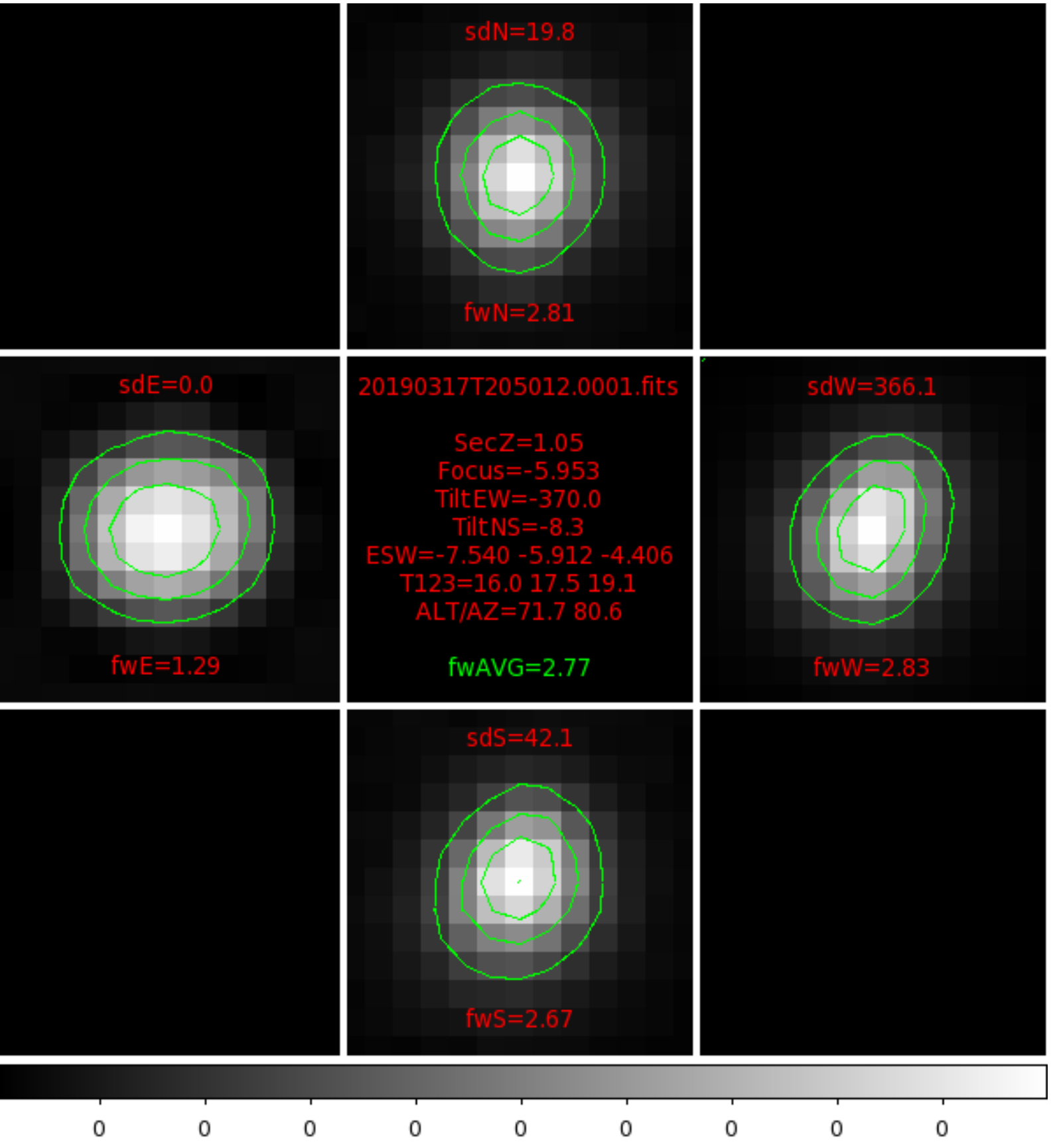
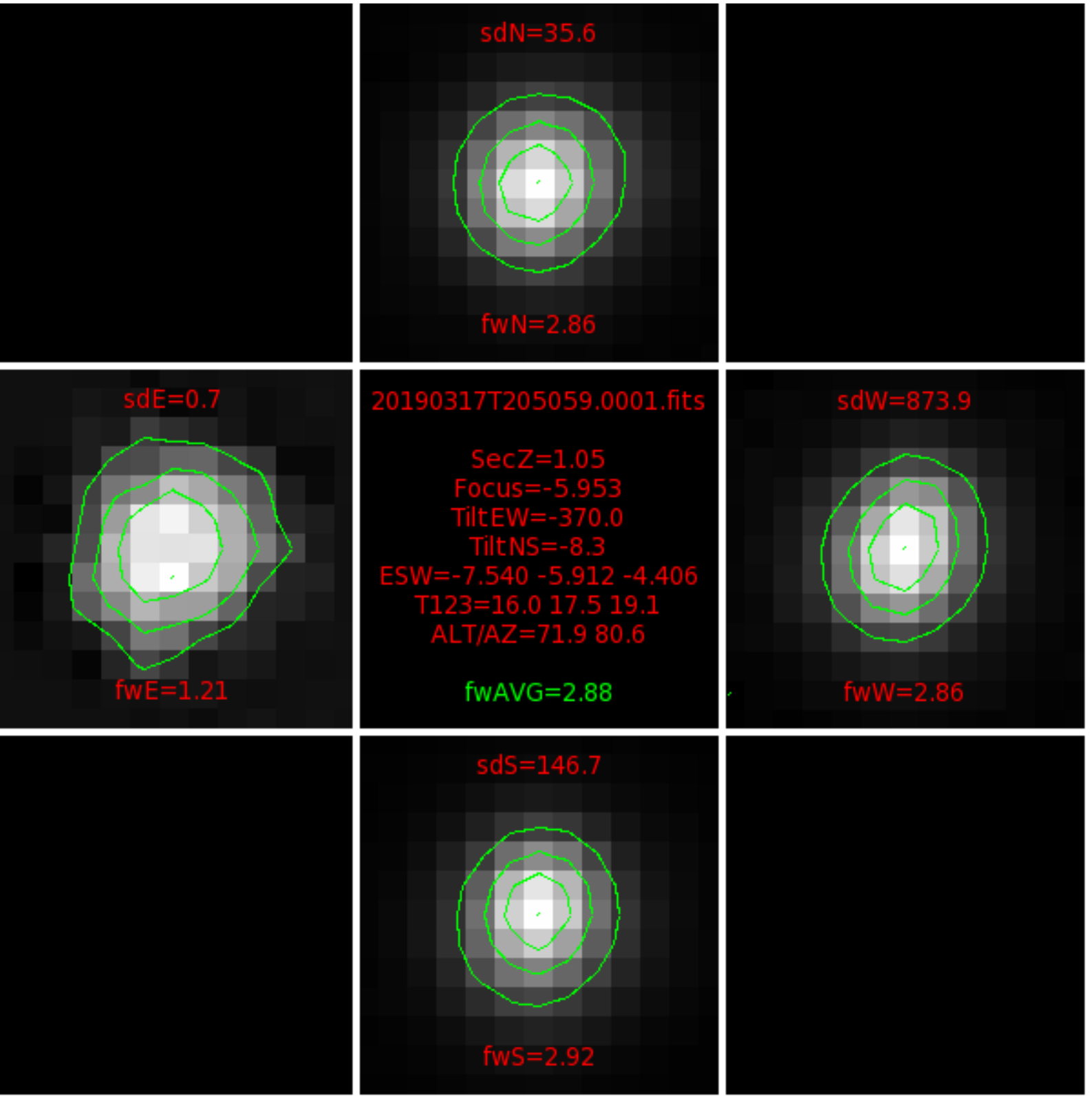

sdN=19.8
fwN=2.81
sdE=0.0
fwE=1.29
20190317T205012.0001.fits
SecZ=1.05
Focus=-5.953
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.540 -5.912 -4.406
T123=16.0 17.5 19.1
ALT/AZ=71.7 80.6
fwAVG=2.77
sdW=366.1
fwW=2.83
sdS=42.1
fwS=2.67
0 0 0 0 0 0 0 0 0


sdN=35.6
fwN=2.86
sdE=0.7
fwE=1.21
20190317T205059.0001.fits
SecZ=1.05
Focus=-5.953
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.540 -5.912 -4.406
T123=16.0 17.5 19.1
ALT/AZ=71.9 80.6
fwAVG=2.88
sdW=873.9
fwW=2.86
sdS=146.7
fwS=2.92
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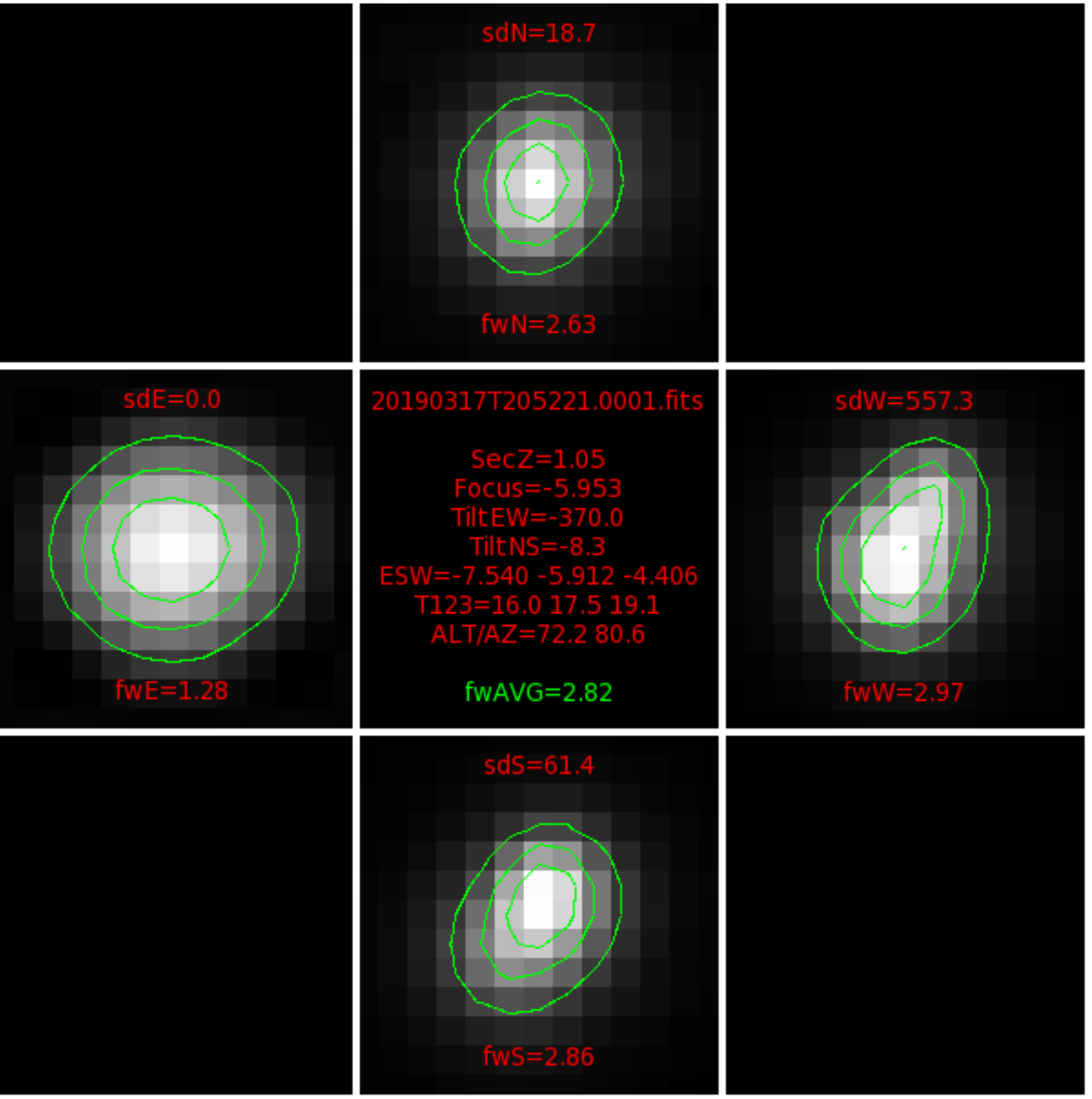
sdN=18.7
fwN=2.63
sdE=0.0
fwE=1.28
20190317T205221.0001.fits
SecZ=1.05
Focus=-5.953
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.540 -5.912 -4.406
T123=16.0 17.5 19.1
ALT/AZ=72.2 80.6
fwAVG=2.82
sdW=557.3
fwW=2.97
sdS=61.4
fwS=2.86
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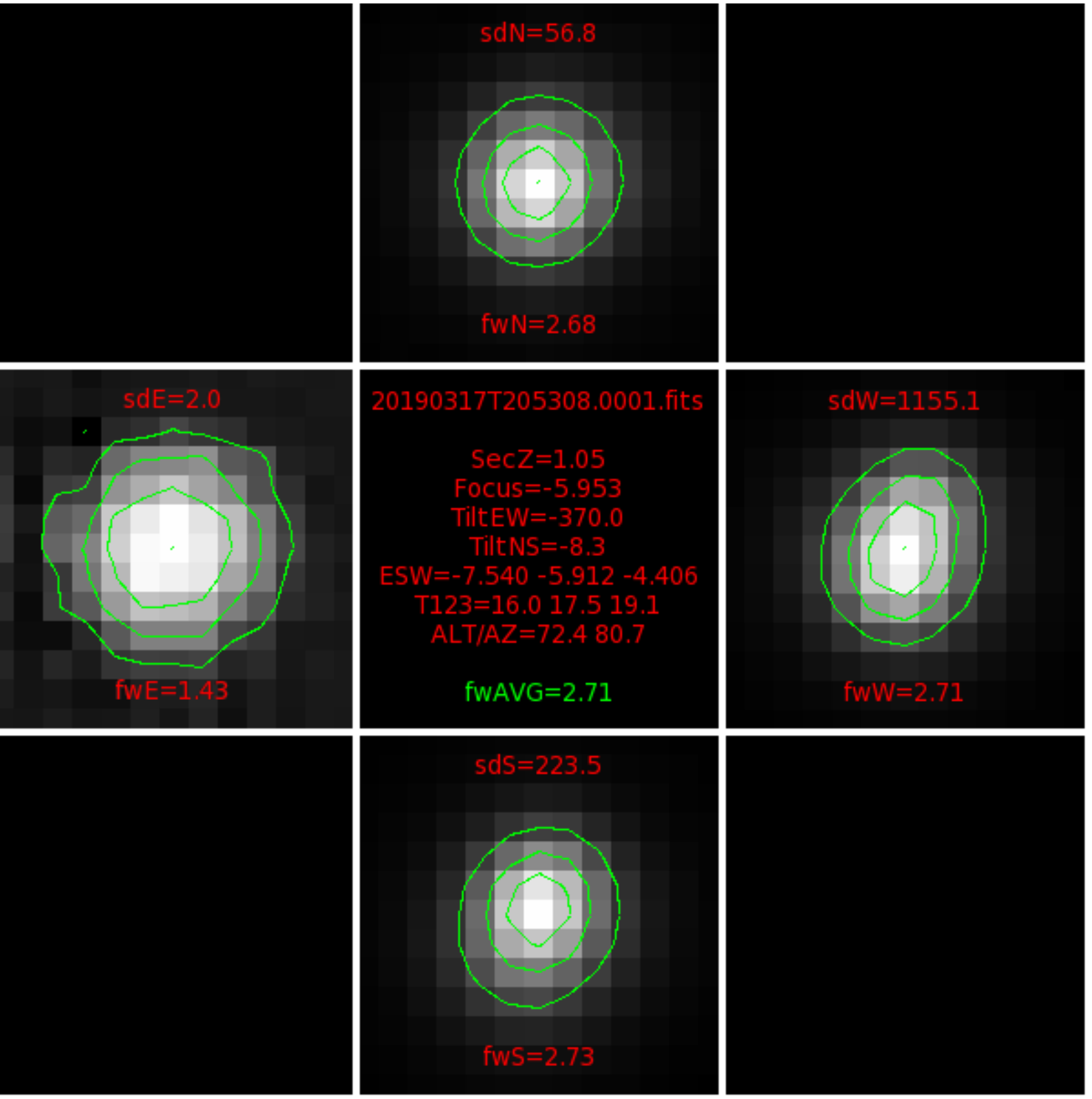
sdN=56.8
fwN=2.68
sdE=2.0
fwE=1.43
20190317T205308.0001.fits
SecZ=1.05
Focus=-5.953
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.540 -5.912 -4.406
T123=16.0 17.5 19.1
ALT/AZ=72.4 80.7
fwAVG=2.71
sdW=1155.1
fwW=2.71
sdS=223.5
fwS=2.73
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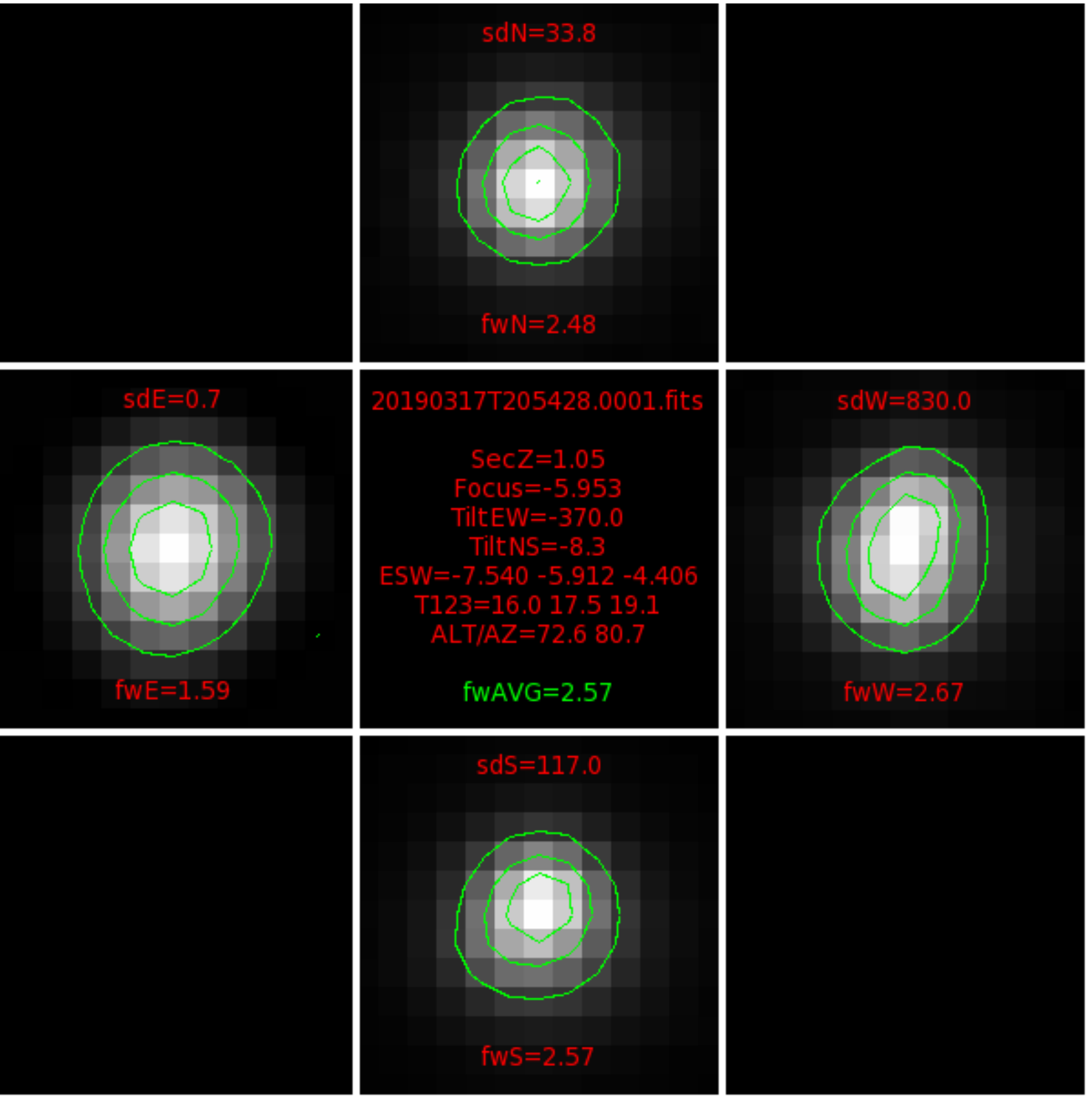
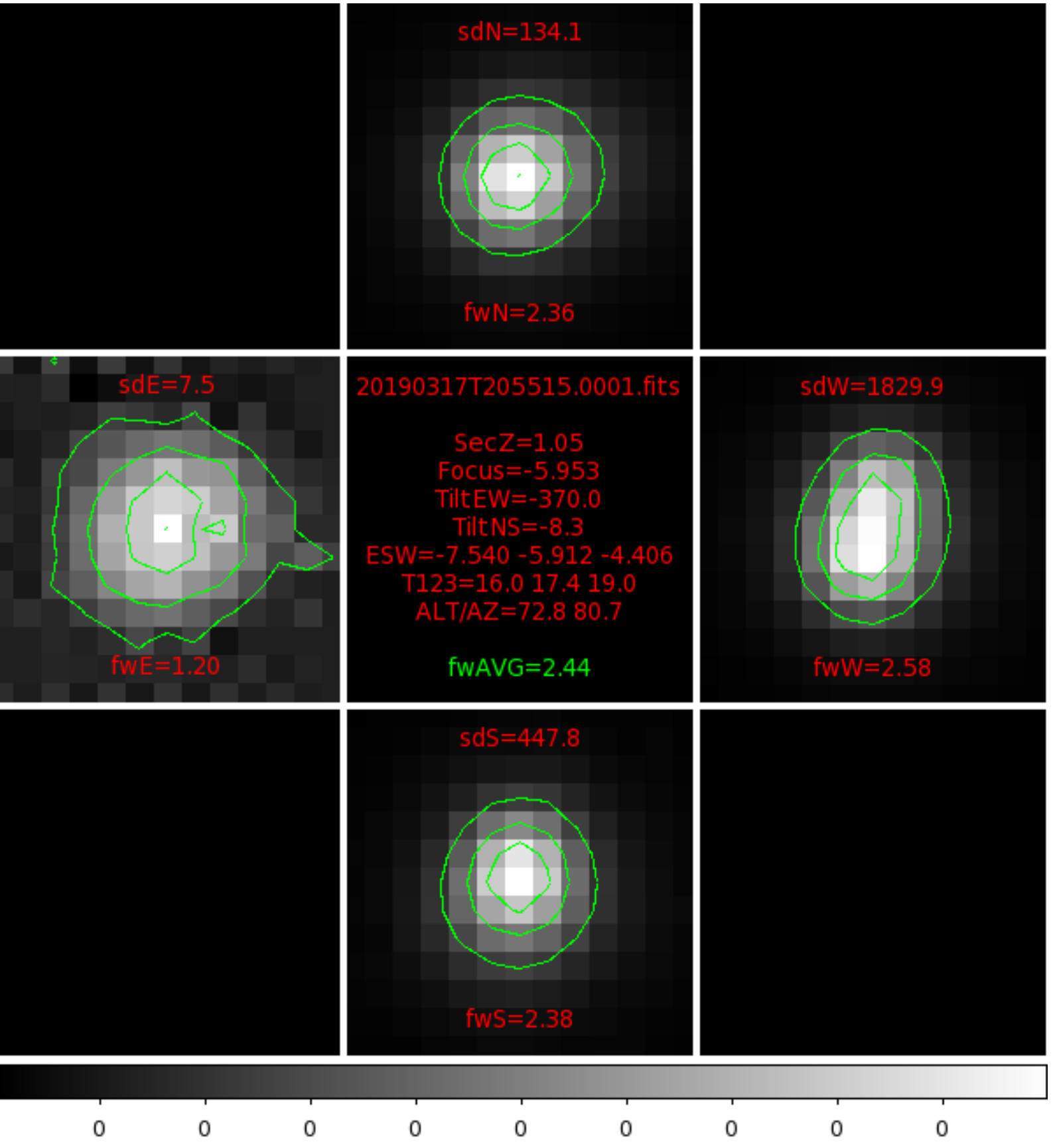

sdN=33.8
fwN=2.48
sdE=0.7
fwE=1.59
20190317T205428.0001.fits
SecZ=1.05
Focus=-5.953
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.540 -5.912 -4.406
T123=16.0 17.5 19.1
ALT/AZ=72.6 80.7
fwAVG=2.57
sdW=830.0
fwW=2.67
sdS=117.0
fwS=2.57
0 0 0 0 0 0 0 0 0


sdN=134.1
fwN=2.36
sdE=7.5
fwE=1.20
20190317T205515.0001.fits
SecZ=1.05
Focus=-5.953
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.540 -5.912 -4.406
T123=16.0 17.4 19.0
ALT/AZ=72.8 80.7
fwAVG=2.44
sdW=1829.9
fwW=2.58
sdS=447.8
fwS=2.38
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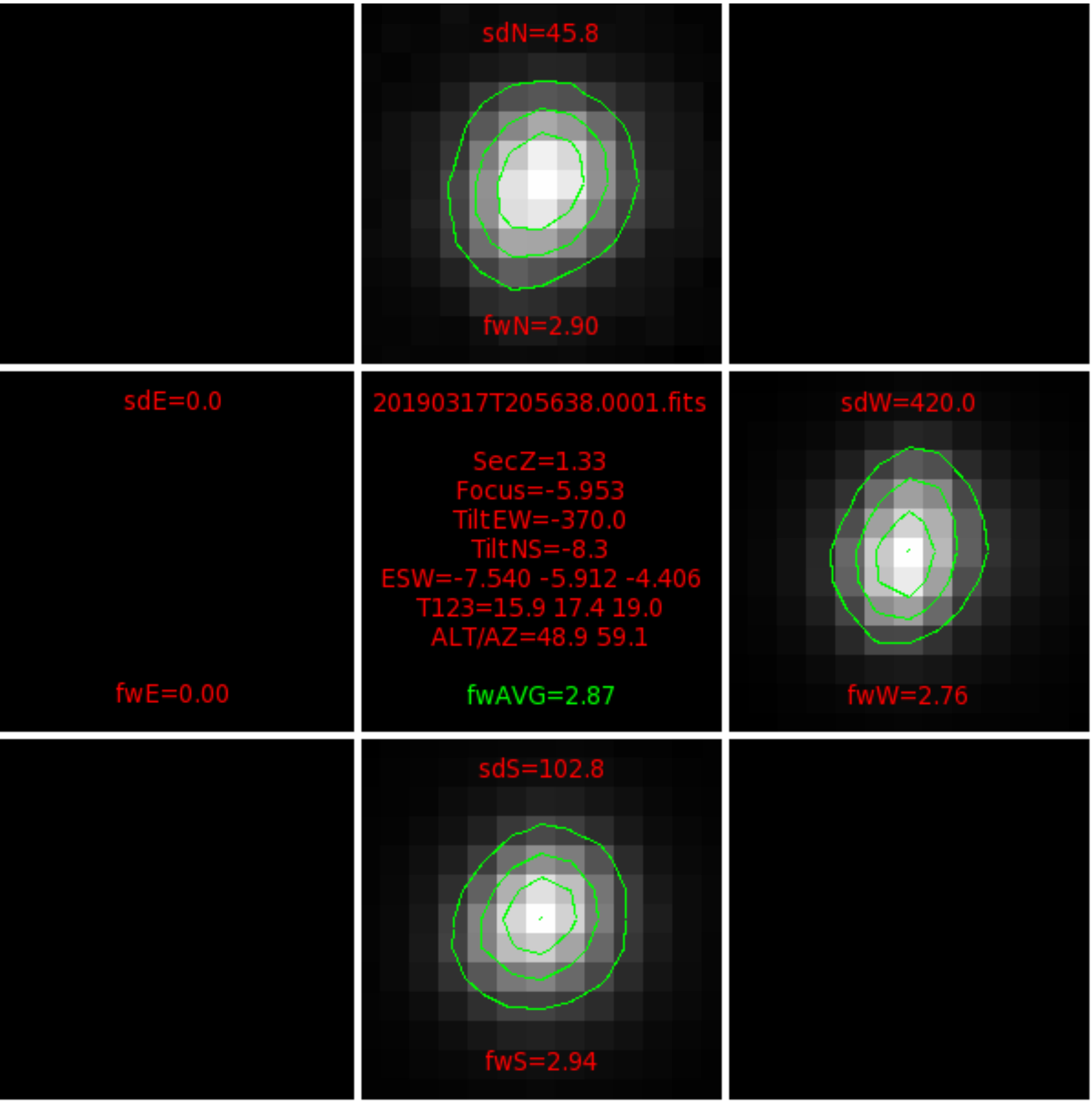
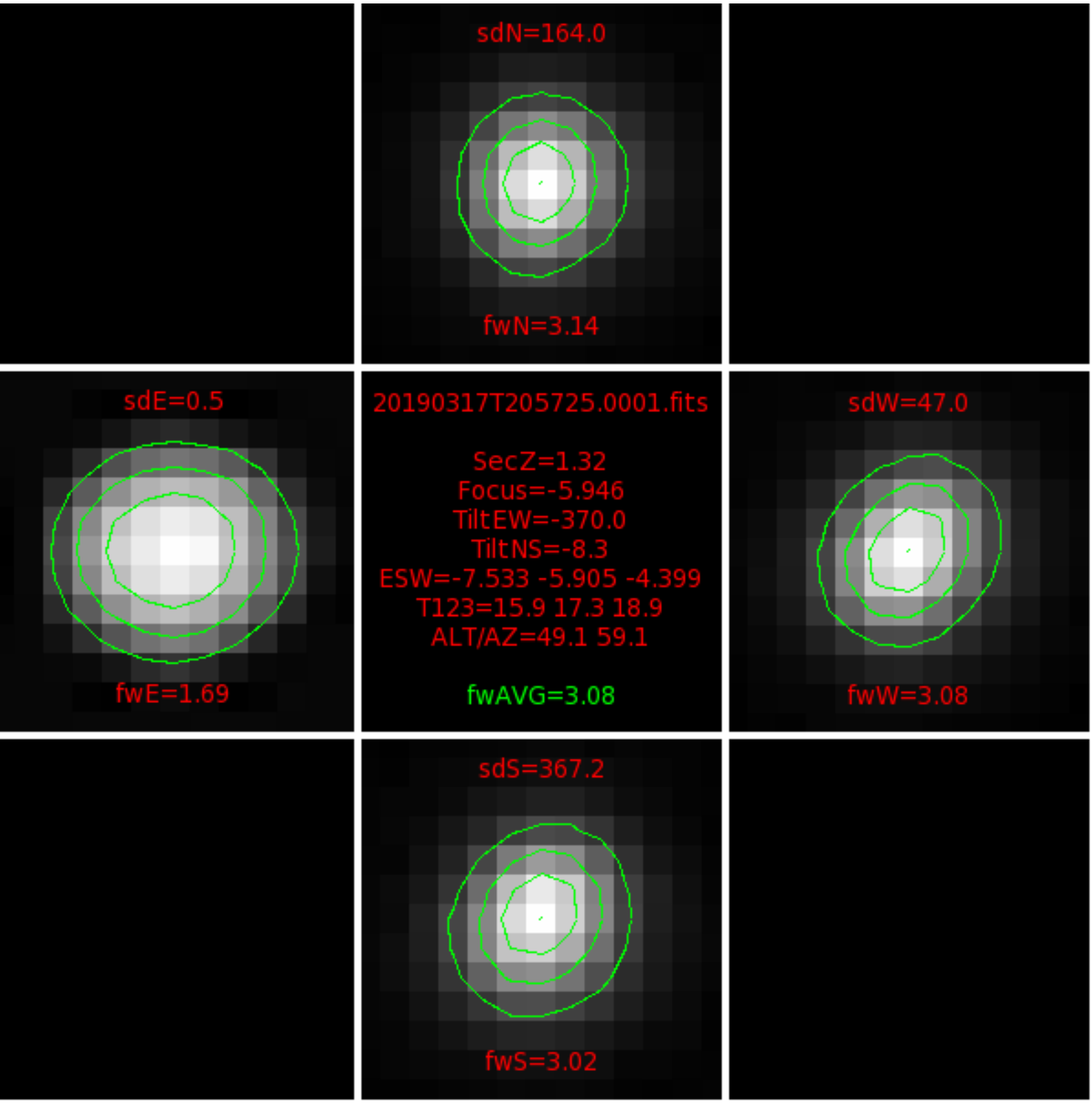

sdN=45.8
fwN=2.90
sdE=0.0
fwE=0.00
20190317T205638.0001.fits
SecZ=1.33
Focus=-5.953
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.540 -5.912 -4.406
T123=15.9 17.4 19.0
ALT/AZ=48.9 59.1
fwAVG=2.87
sdW=420.0
fwW=2.76
sdS=102.8
fwS=2.94
0 0 0 0 0 0 0 0 0


sdN=164.0
fwN=3.14
sdE=0.5
fwE=1.69
20190317T205725.0001.fits
SecZ=1.32
Focus=-5.946
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.533 -5.905 -4.399
T123=15.9 17.3 18.9
ALT/AZ=49.1 59.1
fwAVG=3.08
sdW=47.0
fwW=3.08
sdS=367.2
fwS=3.02
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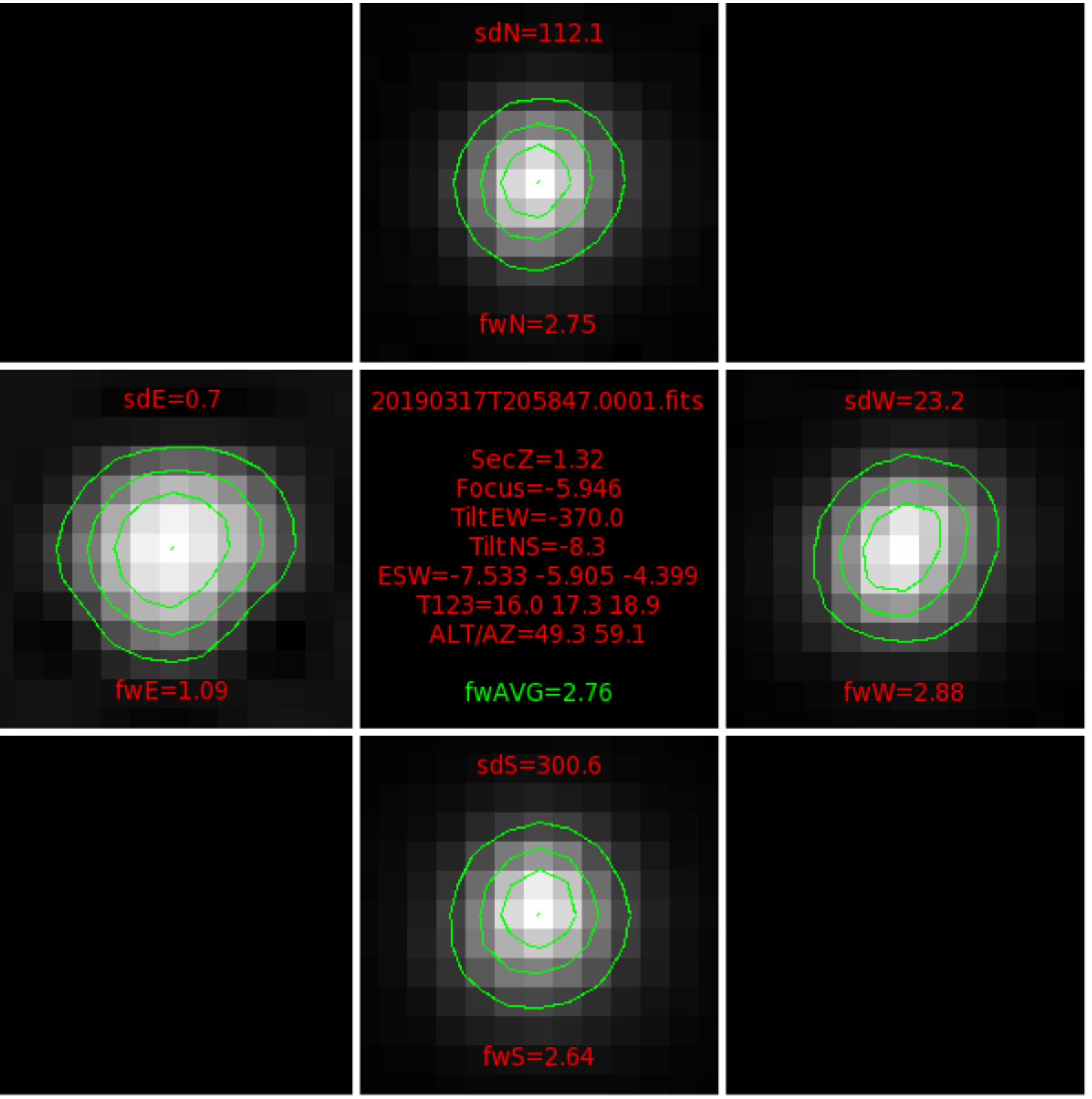
sdN=112.1
fwN=2.75
sdE=0.7
fwE=1.09
20190317T205847.0001.fits
SecZ=1.32
Focus=-5.946
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.533 -5.905 -4.399
T123=16.0 17.3 18.9
ALT/AZ=49.3 59.1
fwAVG=2.76
sdW=23.2
fwW=2.88
sdS=300.6
fwS=2.64
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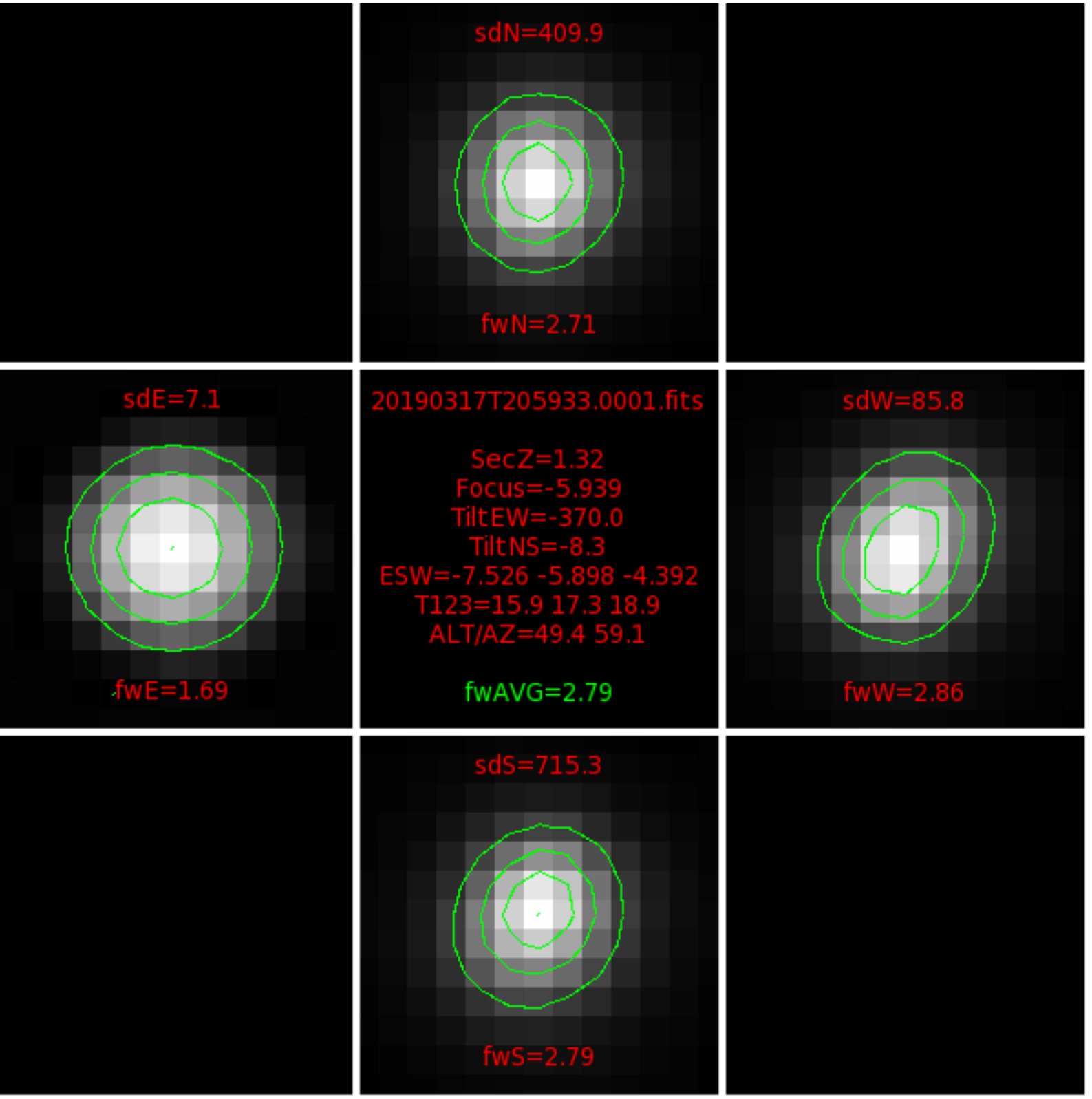
sdN=409.9
fwN=2.71
sdE=7.1
fwE=1.69
20190317T205933.0001.fits
SecZ=1.32
Focus=-5.939
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.526 -5.898 -4.392
T123=15.9 17.3 18.9
ALT/AZ=49.4 59.1
fwAVG=2.79
sdW=85.8
fwW=2.86
sdS=715.3
fwS=2.79
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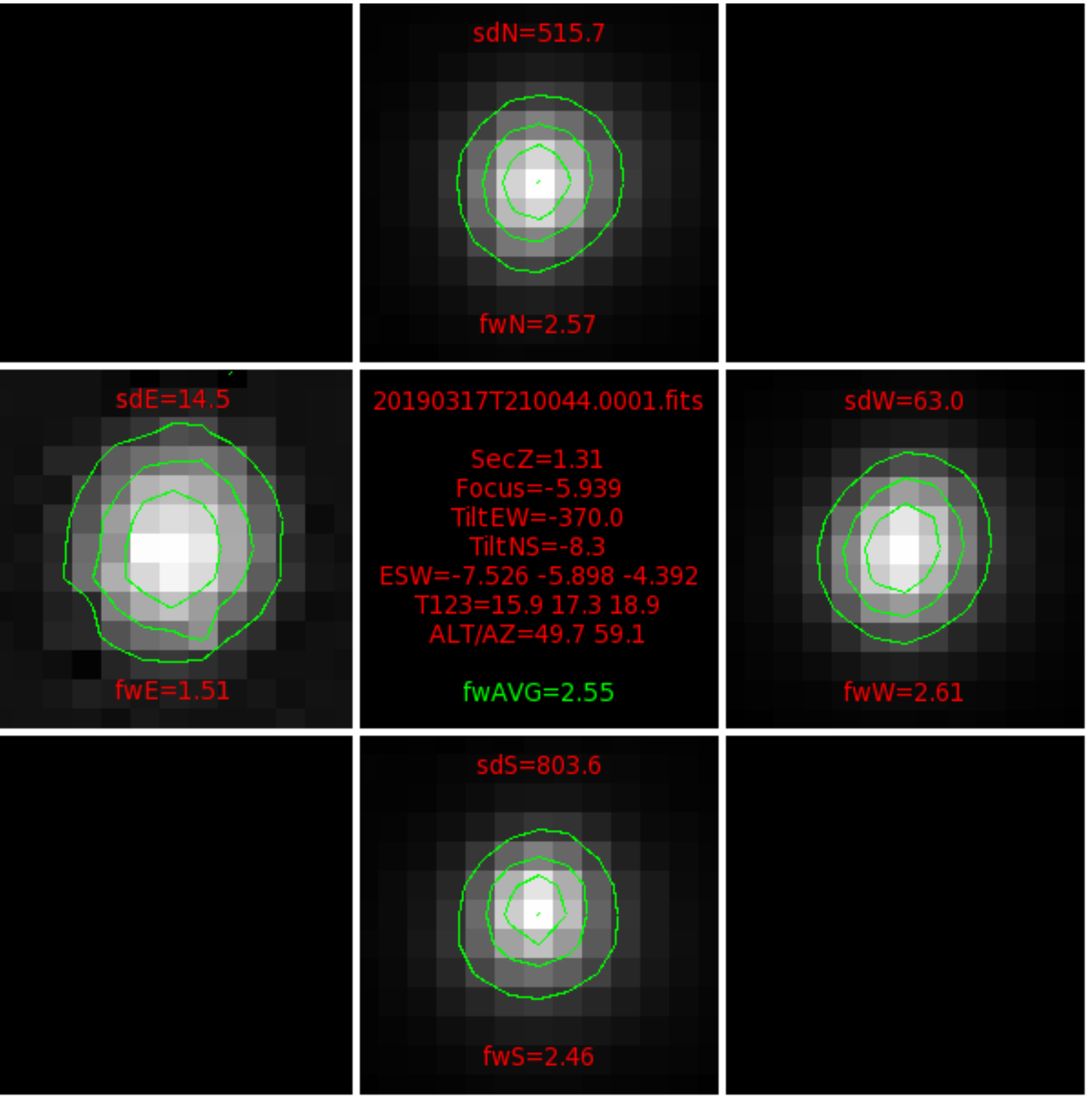
sdN=515.7
fwN=2.57
sdE=14.5
fwE=1.51
20190317T210044.0001.fits
SecZ=1.31
Focus=-5.939
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.526 -5.898 -4.392
T123=15.9 17.3 18.9
ALT/AZ=49.7 59.1
fwAVG=2.55
sdW=63.0
fwW=2.61
sdS=803.6
fwS=2.46
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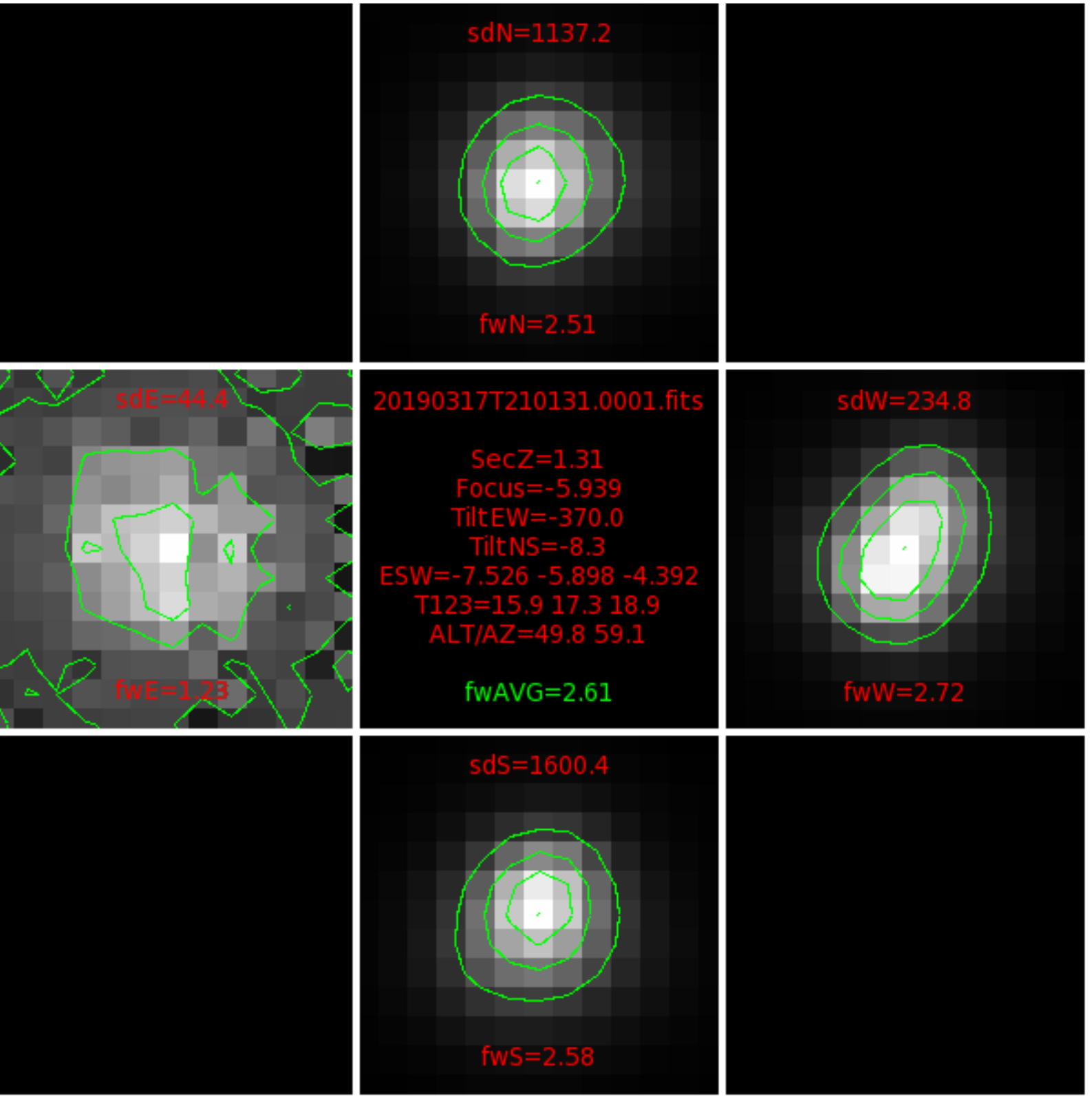
sdN=1137.2
fwN=2.51
sdE=44.4
fwE=1.23
20190317T210131.0001.fits
SecZ=1.31
Focus=-5.939
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.526 -5.898 -4.392
T123=15.9 17.3 18.9
ALT/AZ=49.8 59.1
fwAVG=2.61
sdW=234.8
fwW=2.72
sdS=1600.4
fwS=2.58
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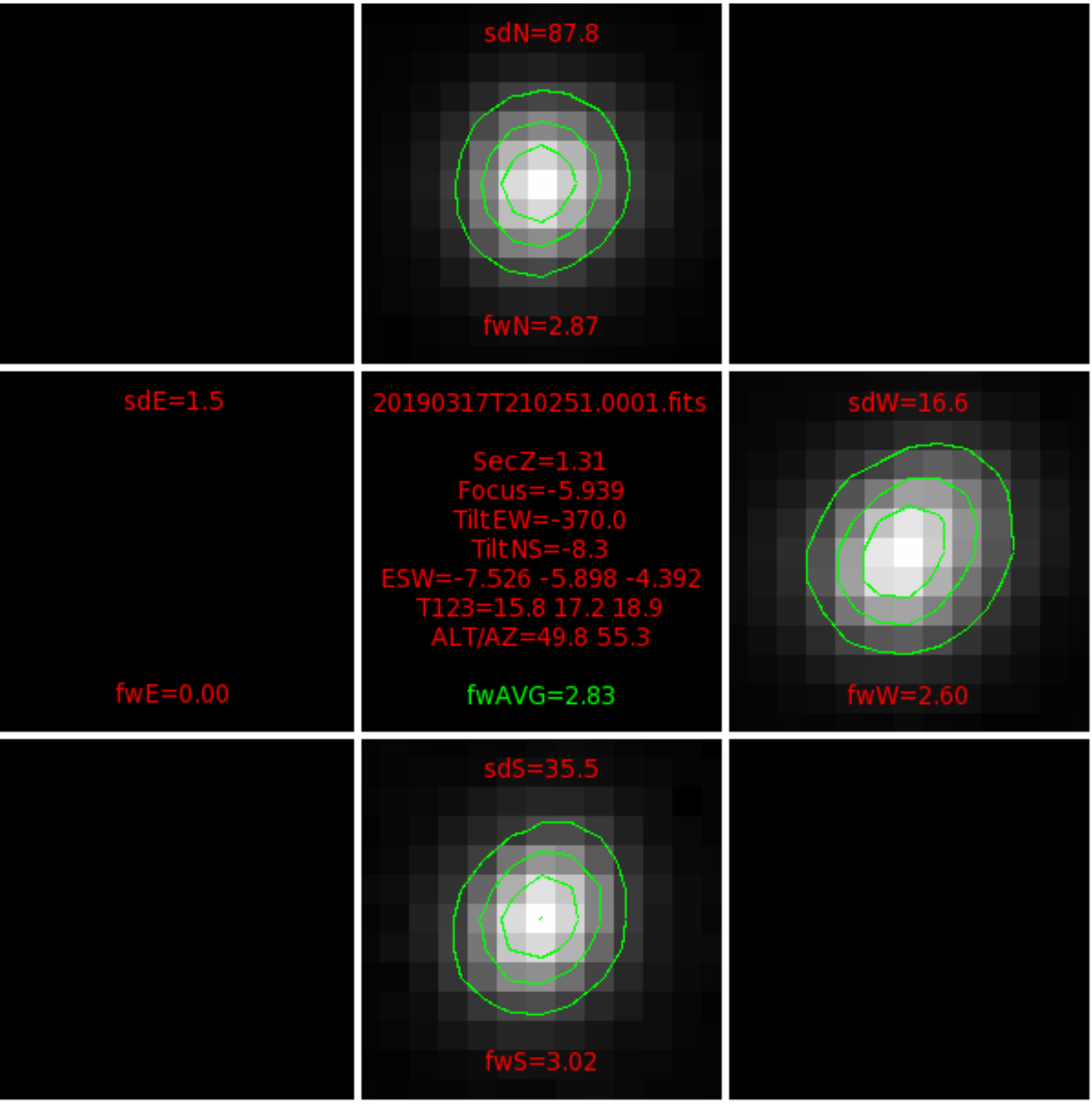
sdN=87.8
fwN=2.87
sdE=1.5
fwE=0.00
20190317T210251.0001.fits
SecZ=1.31
Focus=-5.939
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.526 -5.898 -4.392
T123=15.8 17.2 18.9
ALT/AZ=49.8 55.3
fwAVG=2.83
sdW=16.6
fwW=2.60
sdS=35.5
fwS=3.02
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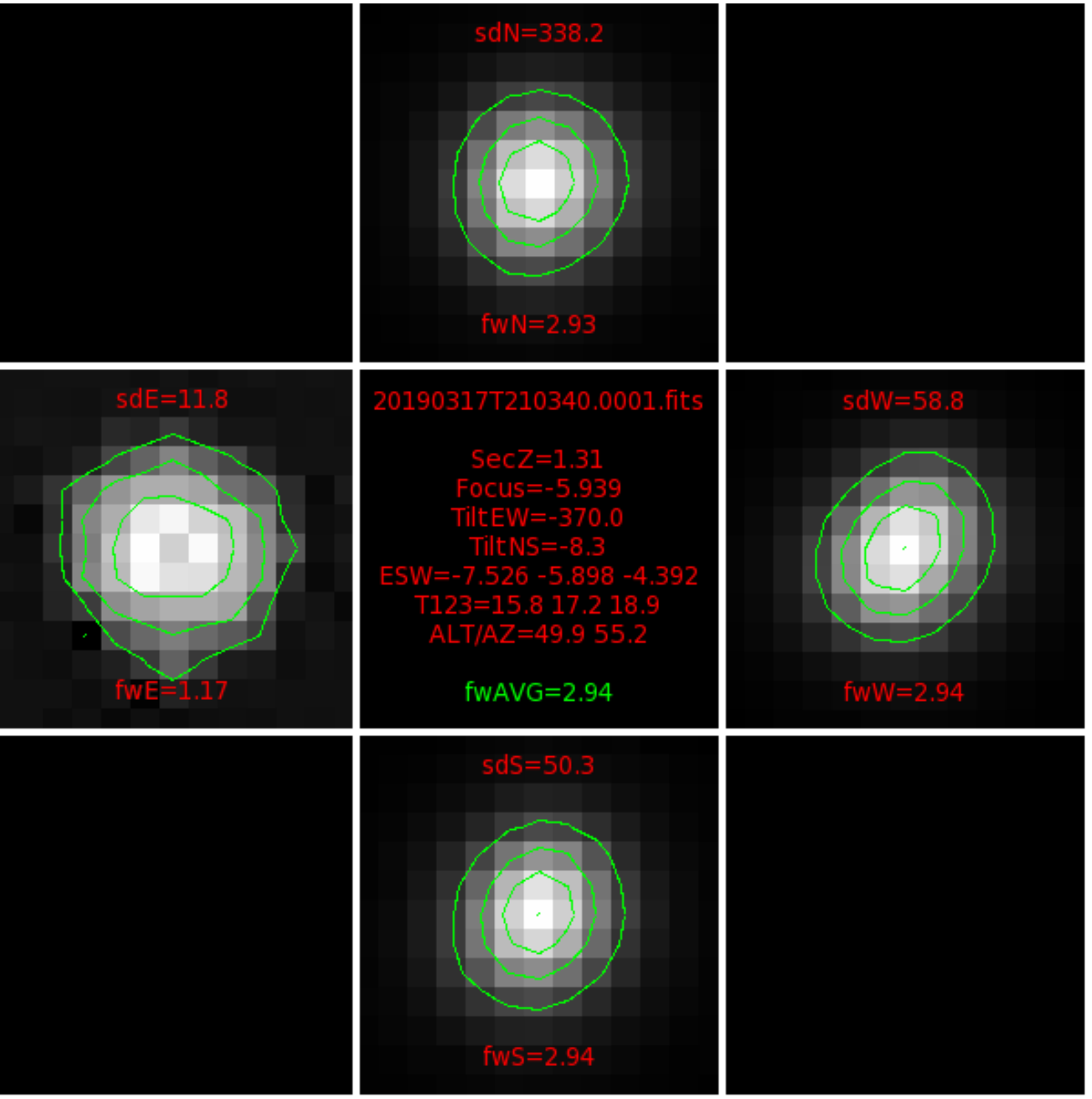
sdN=338.2
fwN=2.93
sdE=11.8
fwE=1.17
20190317T210340.0001.fits
SecZ=1.31
Focus=-5.939
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.526 -5.898 -4.392
T123=15.8 17.2 18.9
ALT/AZ=49.9 55.2
fwAVG=2.94
sdW=58.8
fwW=2.94
sdS=50.3
fwS=2.94
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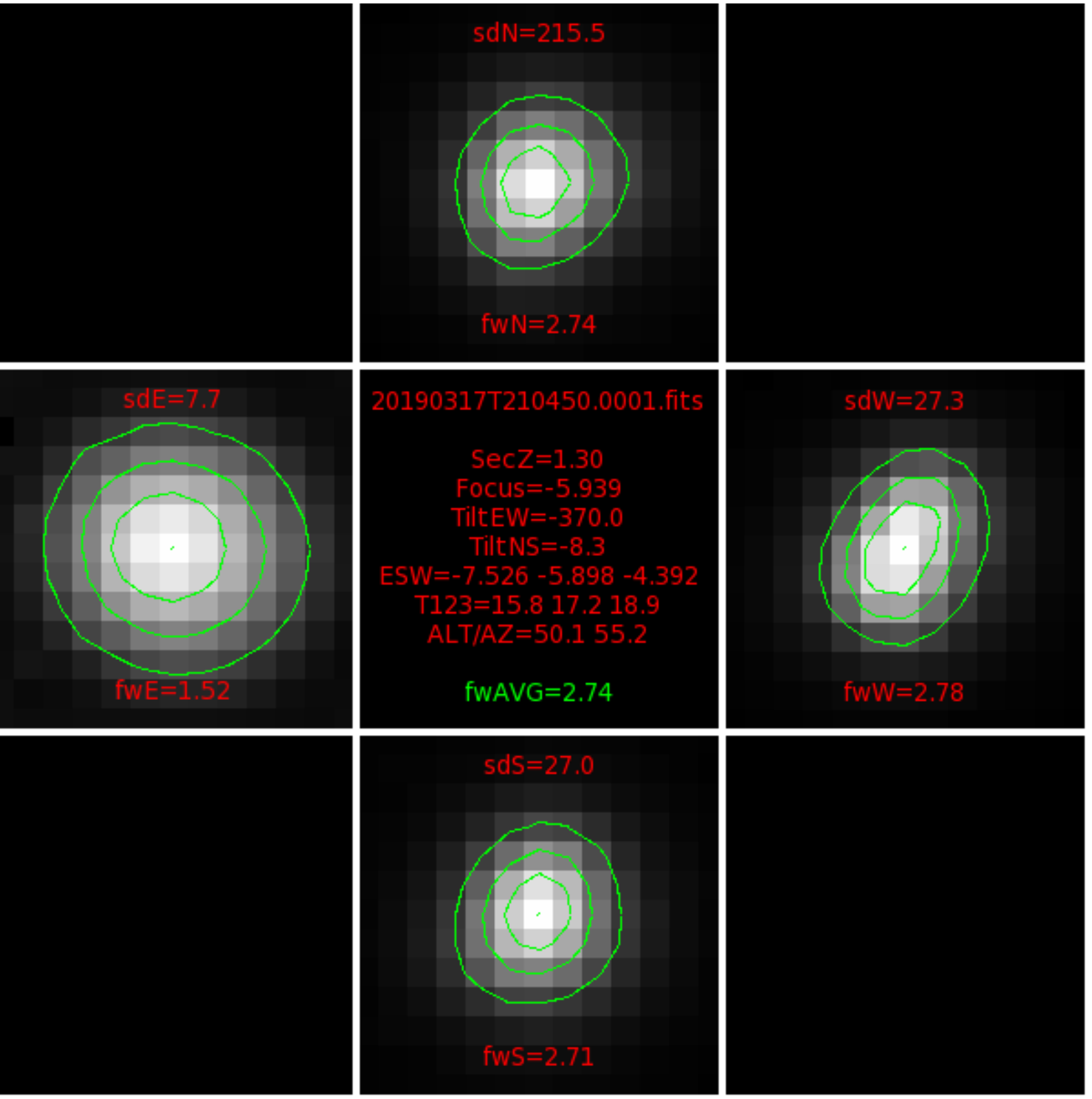
sdN=215.5
fwN=2.74
sdE=7.7
fwE=1.52
20190317T210450.0001.fits
SecZ=1.30
Focus=-5.939
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.526 -5.898 -4.392
T123=15.8 17.2 18.9
ALT/AZ=50.1 55.2
fwAVG=2.74
sdW=27.3
fwW=2.78
sdS=27.0
fwS=2.71
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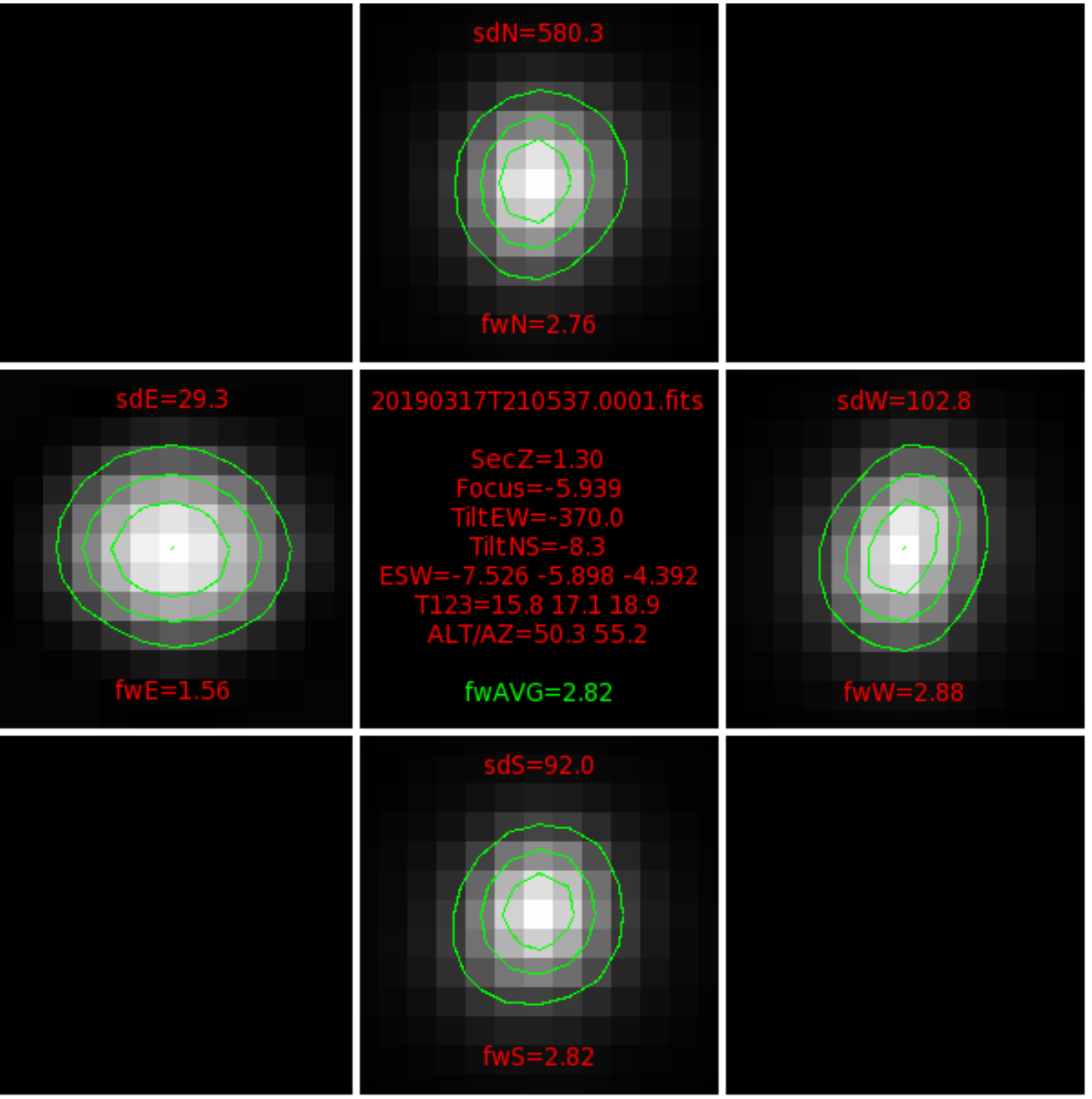
sdN=580.3
fwN=2.76
sdE=29.3
fwE=1.56
20190317T210537.0001.fits
SecZ=1.30
Focus=-5.939
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.526 -5.898 -4.392
T123=15.8 17.1 18.9
ALT/AZ=50.3 55.2
fwAVG=2.82
sdW=102.8
fwW=2.88
sdS=92.0
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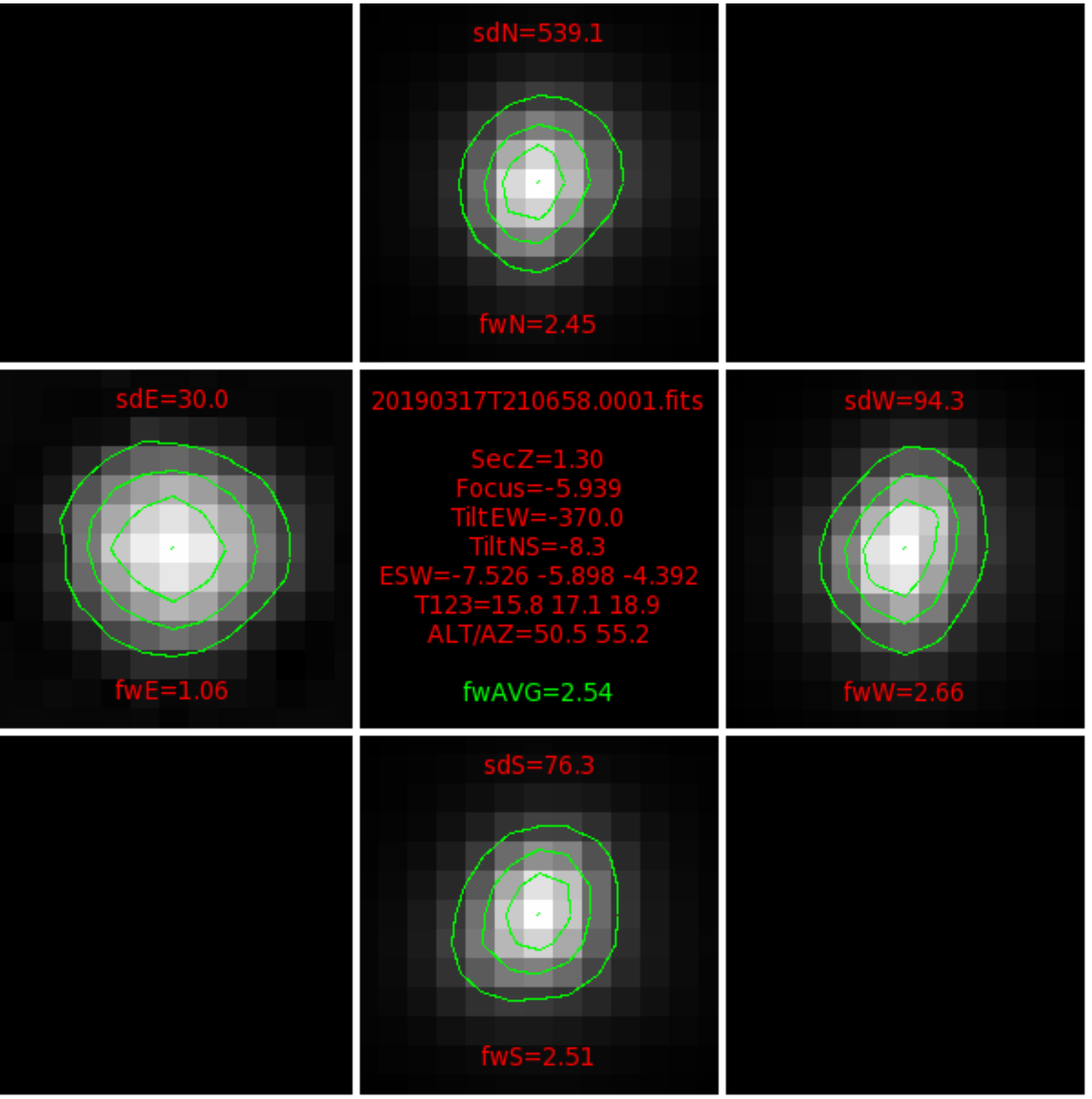
sdN=539.1
fwN=2.45
sdE=30.0
fwE=1.06
20190317T210658.0001.fits
SecZ=1.30
Focus=-5.939
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.526 -5.898 -4.392
T123=15.8 17.1 18.9
ALT/AZ=50.5 55.2
fwAVG=2.54
sdW=94.3
fwW=2.66
sdS=76.3
fwS=2.51
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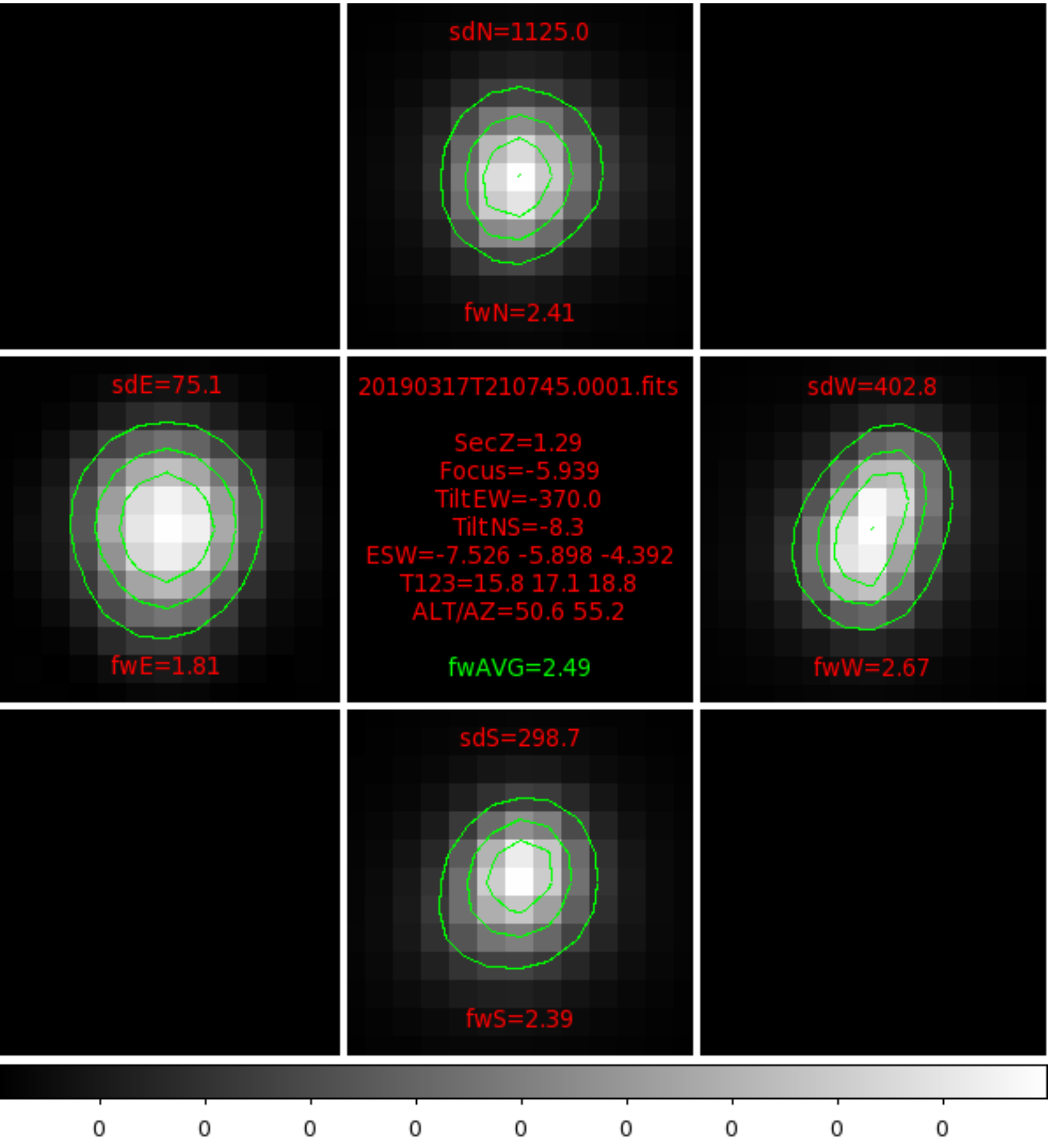
sdN=1125.0
fwN=2.41
sdE=75.1
fwE=1.81
20190317T210745.0001.fits
SecZ=1.29
Focus=-5.939
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.526 -5.898 -4.392
T123=15.8 17.1 18.8
ALT/AZ=50.6 55.2
fwAVG=2.49
sdW=402.8
fwW=2.67
sdS=298.7
fwS=2.39
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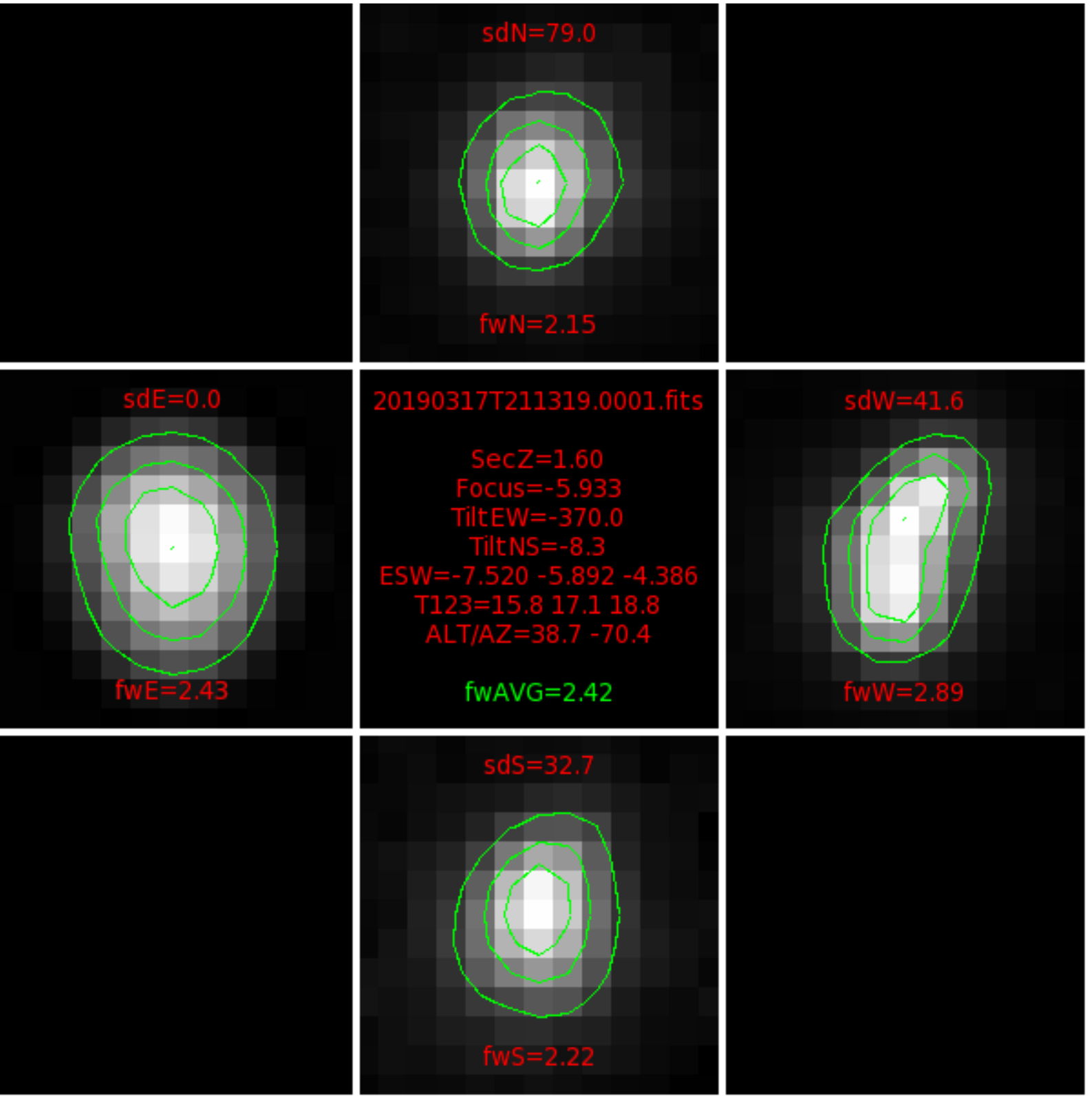
sdN=79.0
fwN=2.15
sdE=0.0
fwE=2.43
20190317T211319.0001.fits
SecZ=1.60
Focus=-5.933
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.520 -5.892 -4.386
T123=15.8 17.1 18.8
ALT/AZ=38.7 -70.4
fwAVG=2.42
sdW=41.6
fwW=2.89
sdS=32.7
fwS=2.22
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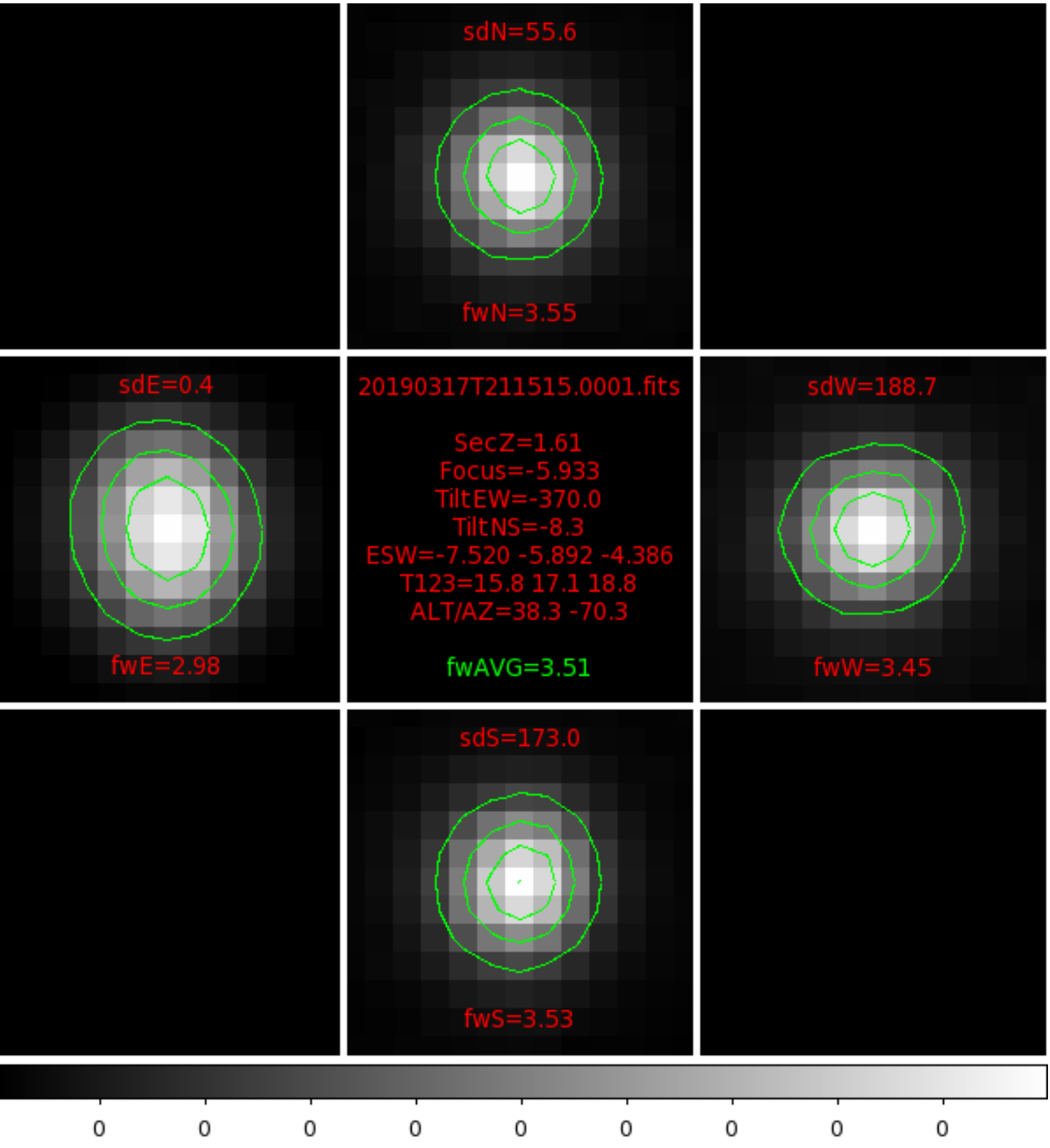
sdN=55.6
fwN=3.55
sdE=0.4
fwE=2.98
20190317T211515.0001.fits
SecZ=1.61
Focus=-5.933
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.520 -5.892 -4.386
T123=15.8 17.1 18.8
ALT/AZ=38.3 -70.3
fwAVG=3.51
sdW=188.7
fwW=3.45
sdS=173.0
fwS=3.53
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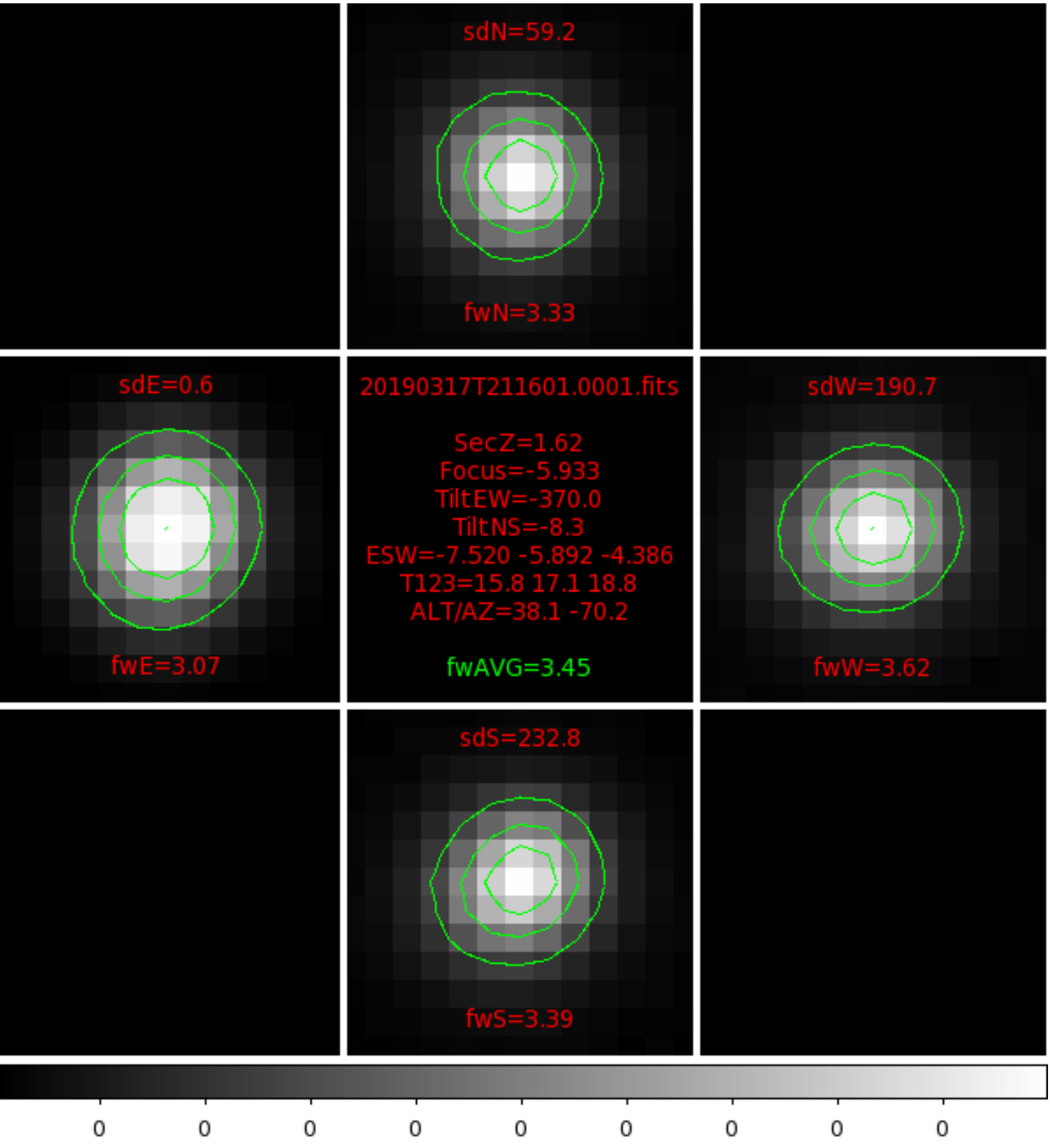
sdN=59.2
fwN=3.33
sdE=0.6
fwE=3.07
20190317T211601.0001.fits
SecZ=1.62
Focus=-5.933
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.520 -5.892 -4.386
T123=15.8 17.1 18.8
ALT/AZ=38.1 -70.2
fwAVG=3.45
sdW=190.7
fwW=3.62
sdS=232.8
fwS=3.39
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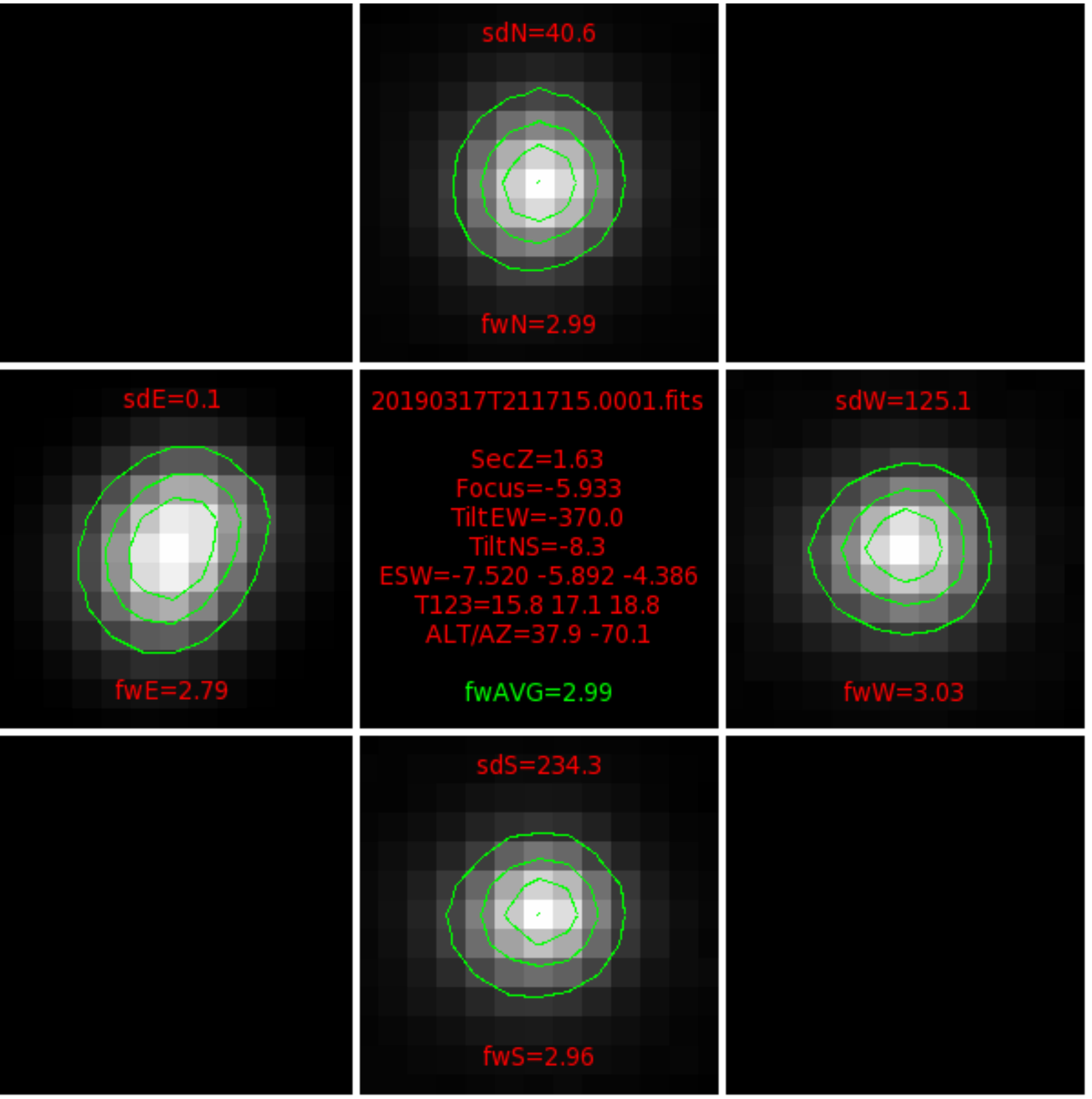
sdN=40.6
fwN=2.99
sdE=0.1
fwE=2.79
20190317T211715.0001.fits
SecZ=1.63
Focus=-5.933
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.520 -5.892 -4.386
T123=15.8 17.1 18.8
ALT/AZ=37.9 -70.1
fwAVG=2.99
sdW=125.1
fwW=3.03
sdS=234.3
fwS=2.96
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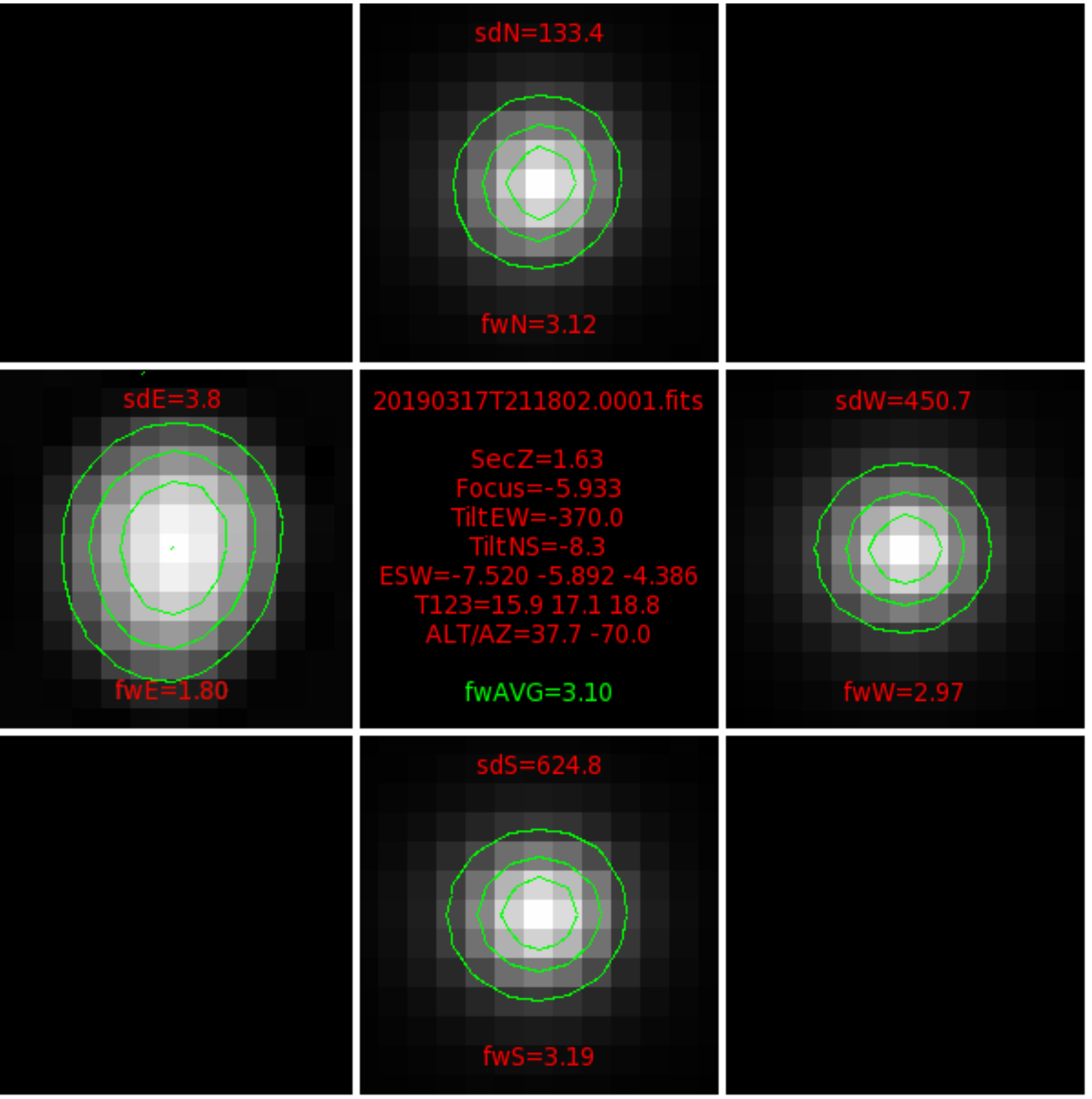
sdN=133.4
fwN=3.12
sdE=3.8
fwE=1.80
20190317T211802.0001.fits
SecZ=1.63
Focus=-5.933
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.520 -5.892 -4.386
T123=15.9 17.1 18.8
ALT/AZ=37.7 -70.0
fwAVG=3.10
sdW=450.7
fwW=2.97
sdS=624.8
fwS=3.19
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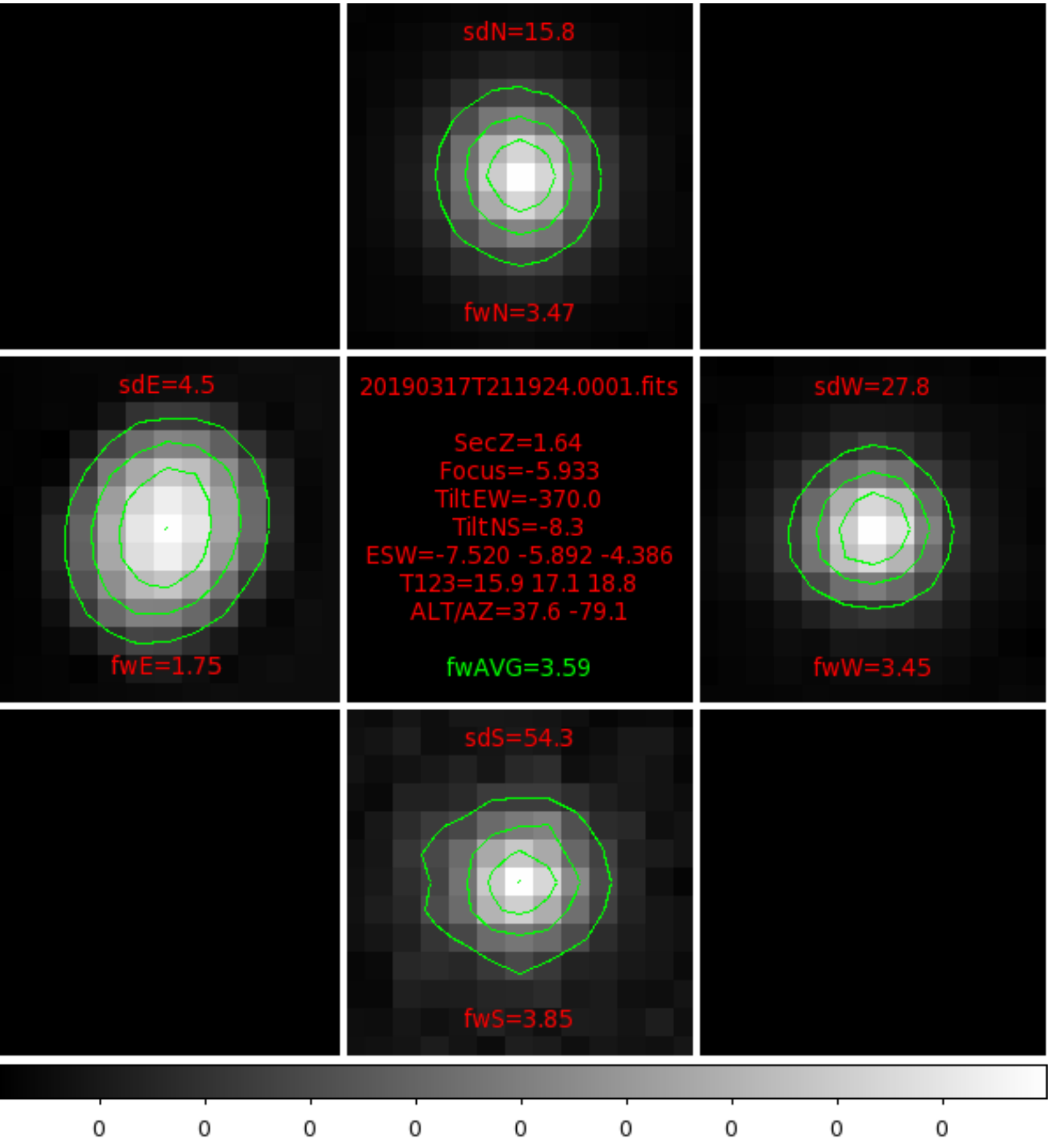
sdN=15.8
fwN=3.47
sdE=4.5
fwE=1.75
20190317T211924.0001.fits
SecZ=1.64
Focus=-5.933
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.520 -5.892 -4.386
T123=15.9 17.1 18.8
ALT/AZ=37.6 -79.1
fwAVG=3.59
sdW=27.8
fwW=3.45
sdS=54.3
fwS=3.85
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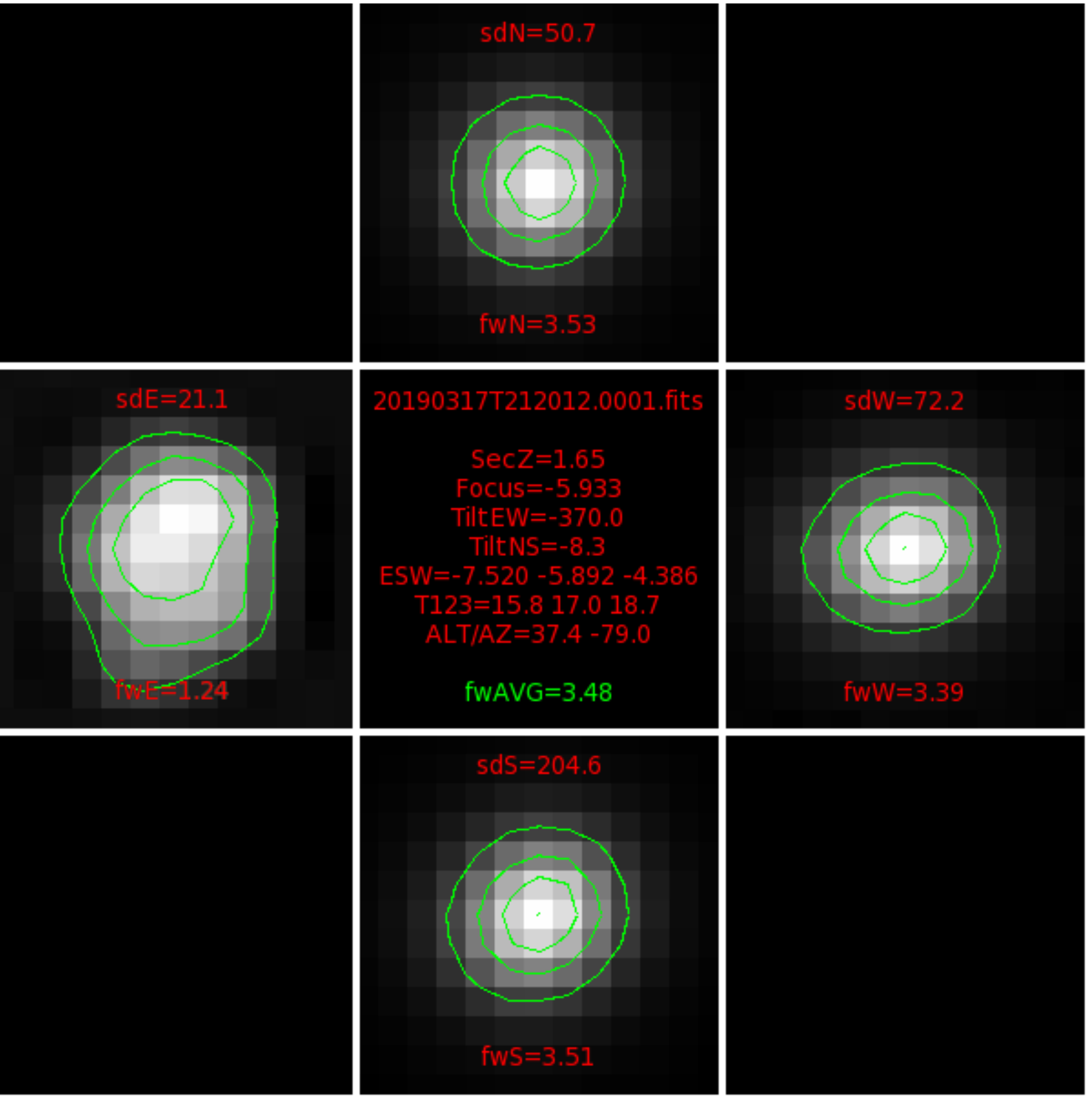
sdN=50.7
fwN=3.53
sdE=21.1
fwE=1.24
20190317T212012.0001.fits
SecZ=1.65
Focus=-5.933
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.520 -5.892 -4.386
T123=15.8 17.0 18.7
ALT/AZ=37.4 -79.0
fwAVG=3.48
sdW=72.2
fwW=3.39
sdS=204.6
fwS=3.51
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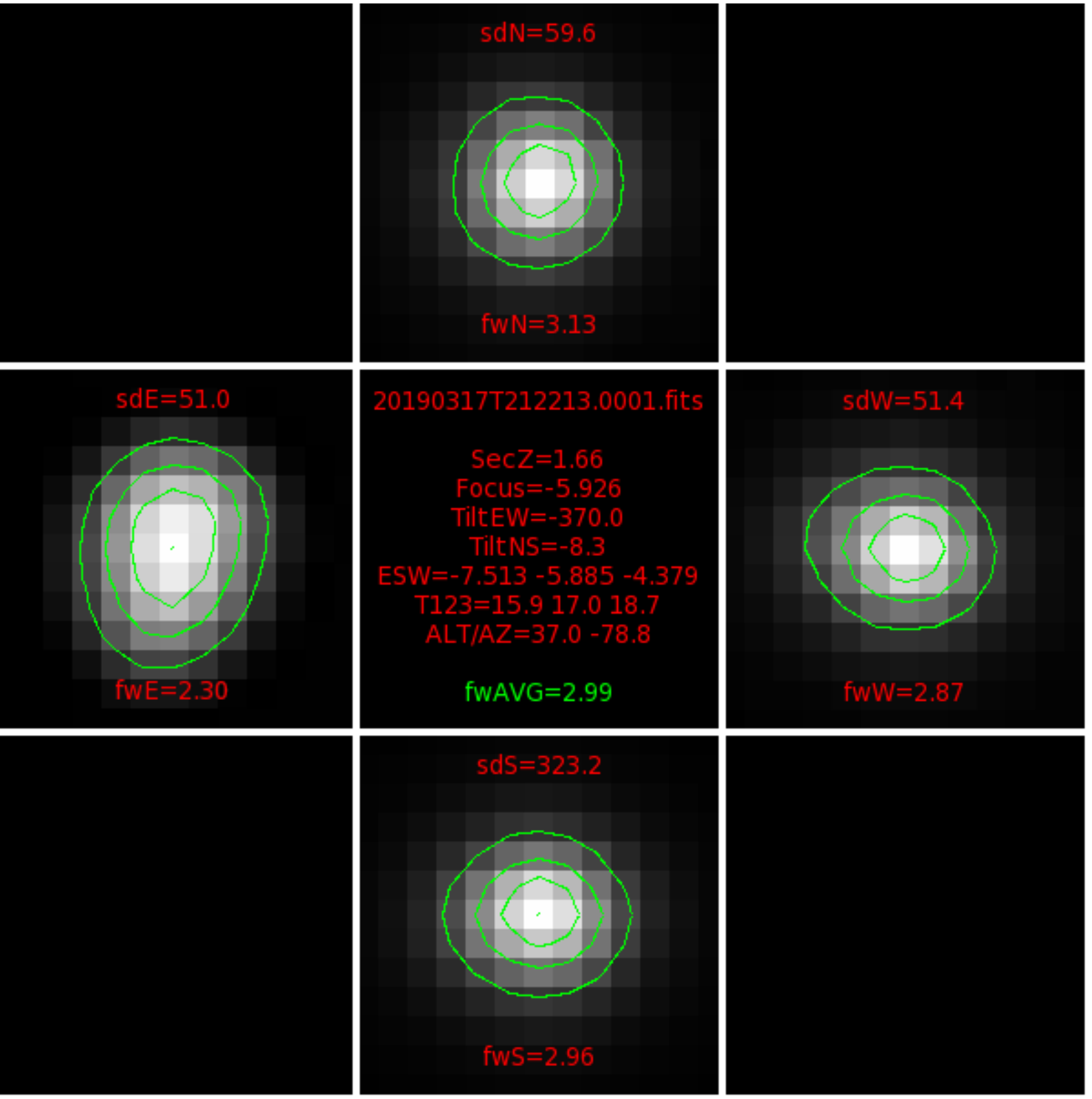
sdN=59.6
fwN=3.13
sdE=51.0
fwE=2.30
20190317T212213.0001.fits
SecZ=1.66
Focus=-5.926
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.513 -5.885 -4.379
T123=15.9 17.0 18.7
ALT/AZ=37.0 -78.8
fwAVG=2.99
sdW=51.4
fwW=2.87
sdS=323.2
fwS=2.96
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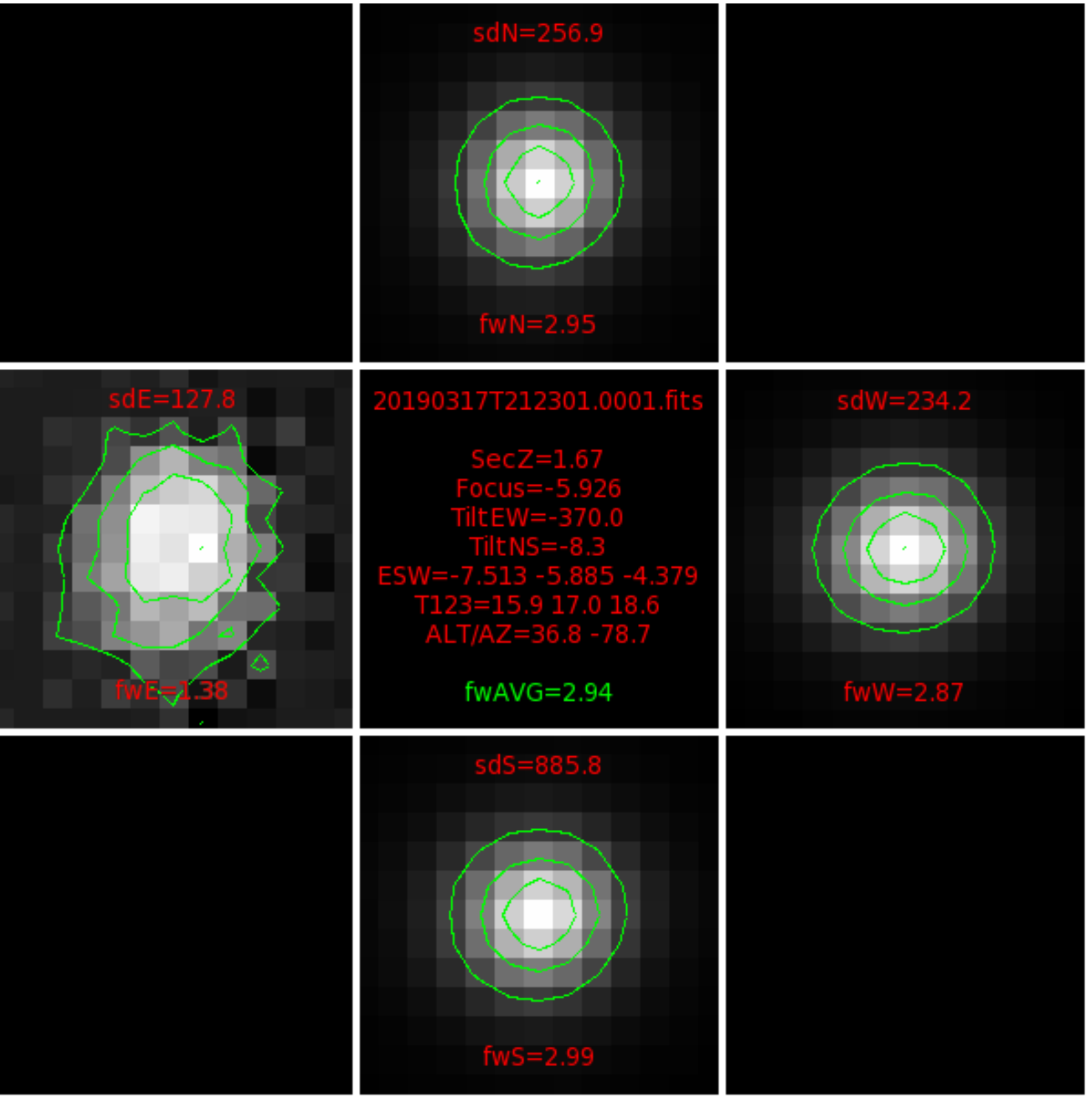
sdN=256.9
fwN=2.95
sdE=127.8
fwE=1.38
20190317T212301.0001.fits
SecZ=1.67
Focus=-5.926
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.513 -5.885 -4.379
T123=15.9 17.0 18.6
ALT/AZ=36.8 -78.7
fwAVG=2.94
sdW=234.2
fwW=2.87
sdS=885.8
fwS=2.99
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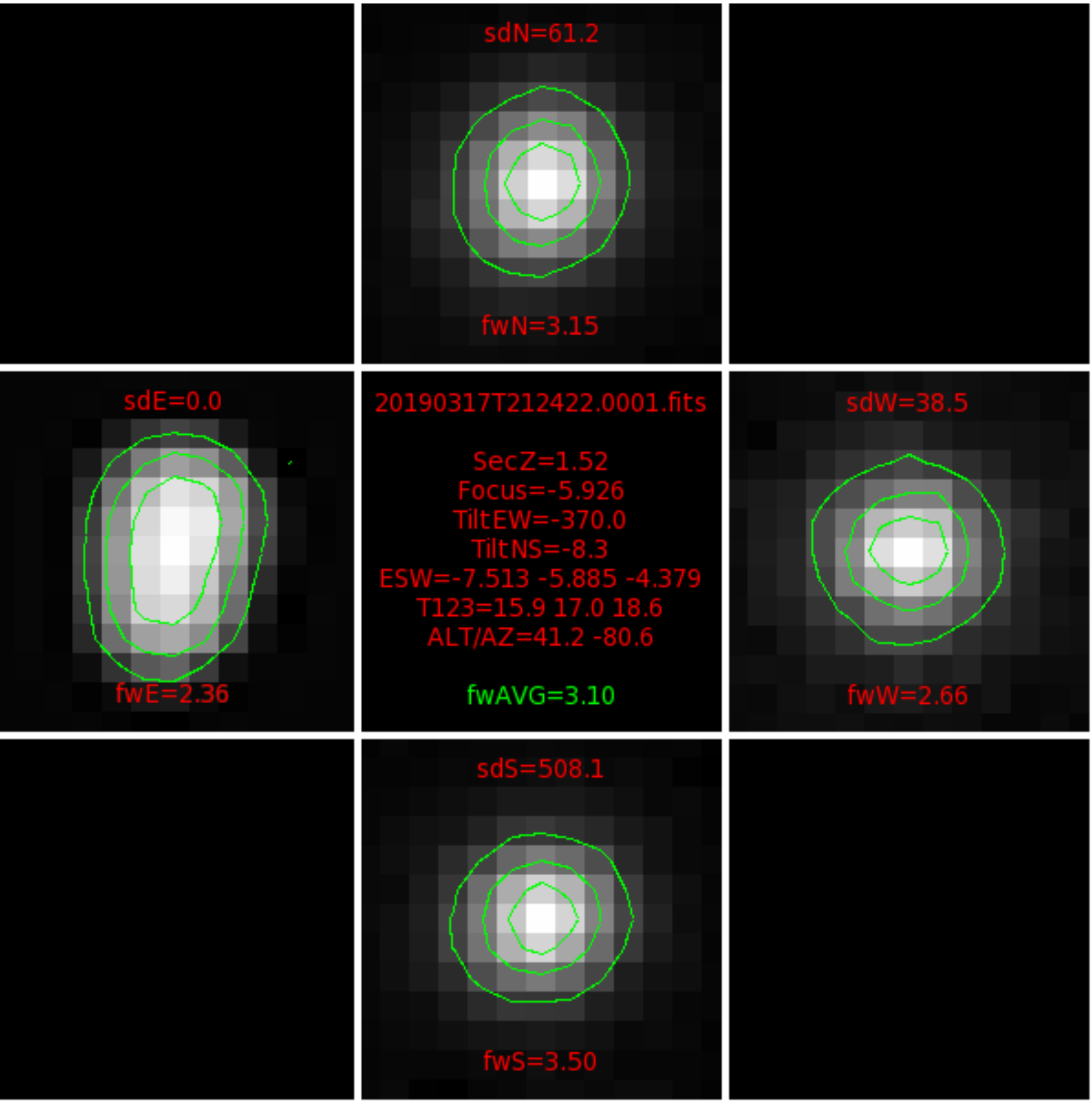
sdN=61.2
fwN=3.15
sdE=0.0
fwE=2.36
20190317T212422.0001.fits
SecZ=1.52
Focus=-5.926
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.513 -5.885 -4.379
T123=15.9 17.0 18.6
ALT/AZ=41.2 -80.6
fwAVG=3.10
sdW=38.5
fwW=2.66
sdS=508.1
fwS=3.50
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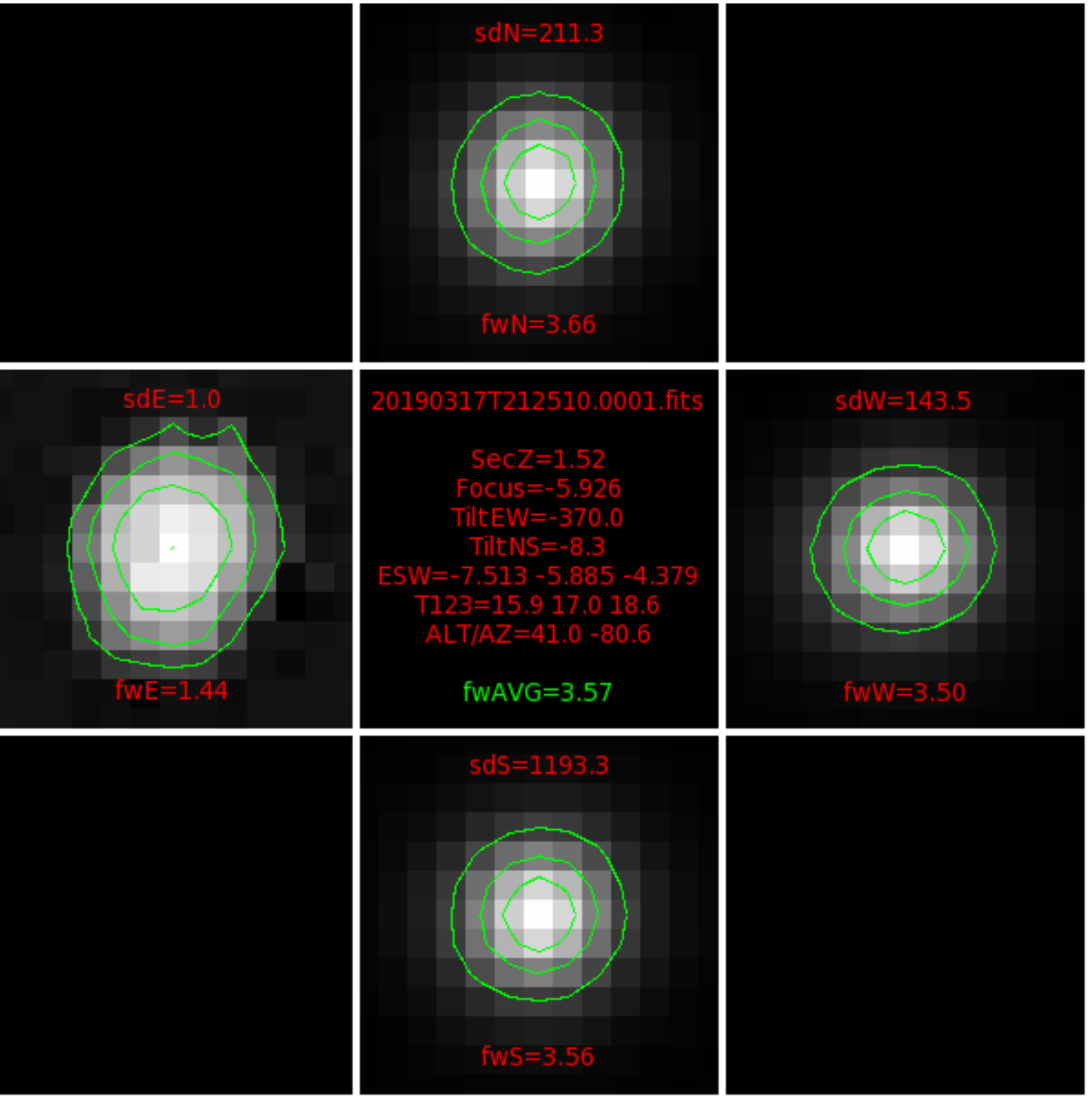
sdN=211.3
fwN=3.66
sdE=1.0
fwE=1.44
20190317T212510.0001.fits
SecZ=1.52
Focus=-5.926
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.513 -5.885 -4.379
T123=15.9 17.0 18.6
ALT/AZ=41.0 -80.6
fwAVG=3.57
sdW=143.5
fwW=3.50
sdS=1193.3
fwS=3.56
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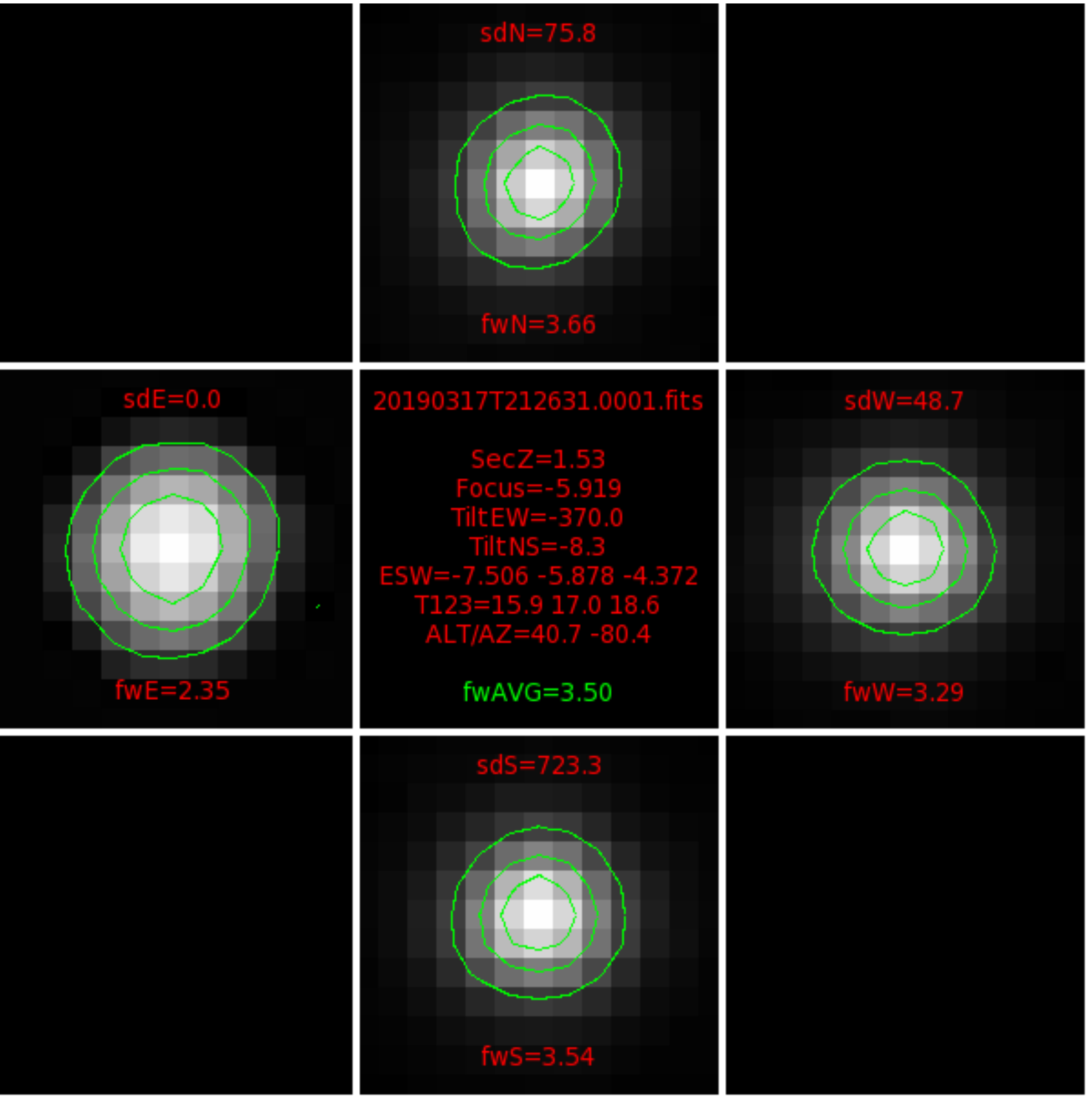
sdN=75.8
fwN=3.66
sdE=0.0
fwE=2.35
20190317T212631.0001.fits
SecZ=1.53
Focus=-5.919
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.506 -5.878 -4.372
T123=15.9 17.0 18.6
ALT/AZ=40.7 -80.4
fwAVG=3.50
sdW=48.7
fwW=3.29
sdS=723.3
fwS=3.54
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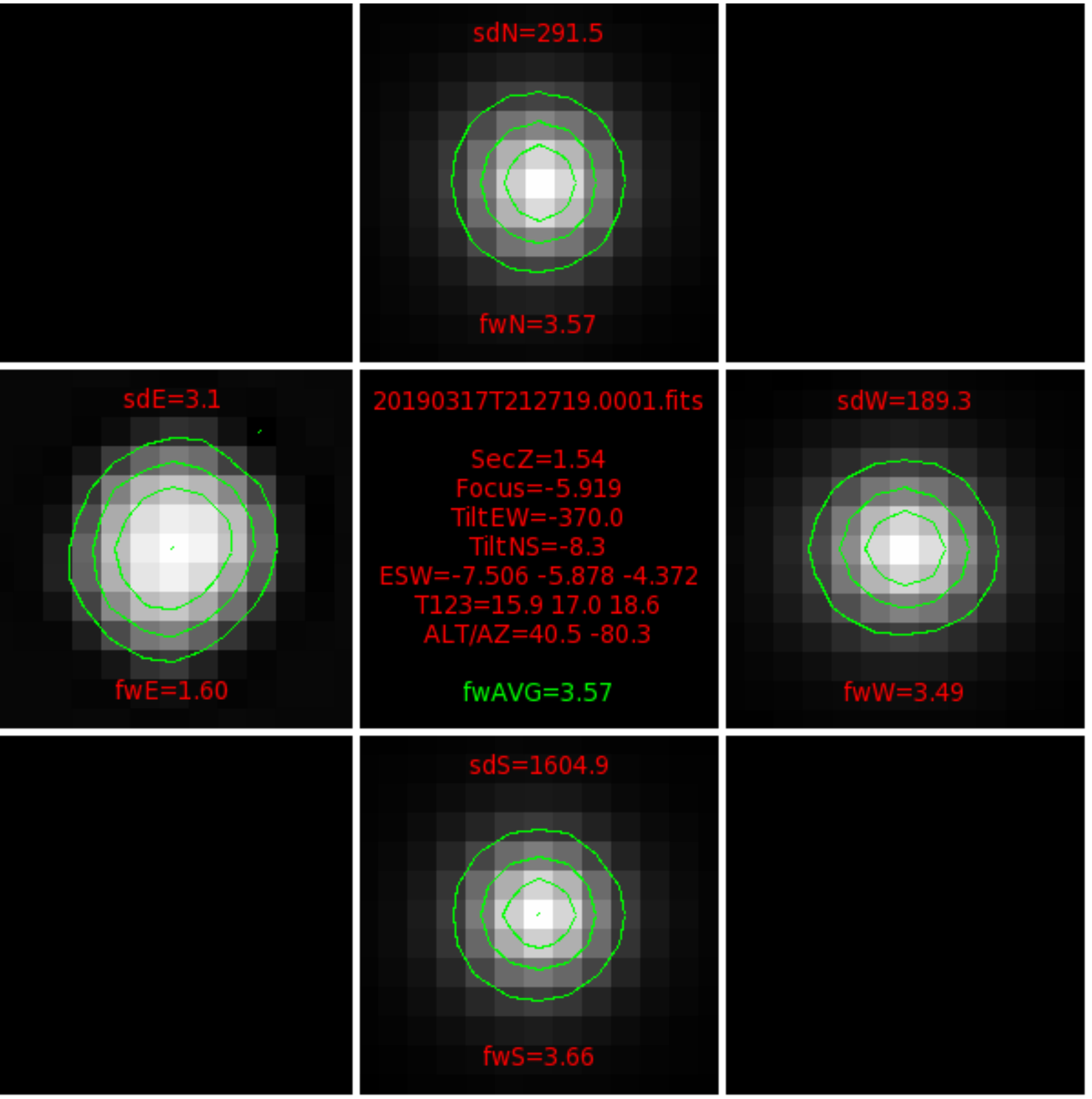
sdN=291.5
fwN=3.57
sdE=3.1
fwE=1.60
20190317T212719.0001.fits
SecZ=1.54
Focus=-5.919
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.506 -5.878 -4.372
T123=15.9 17.0 18.6
ALT/AZ=40.5 -80.3
fwAVG=3.57
sdW=189.3
fwW=3.49
sdS=1604.9
fwS=3.66
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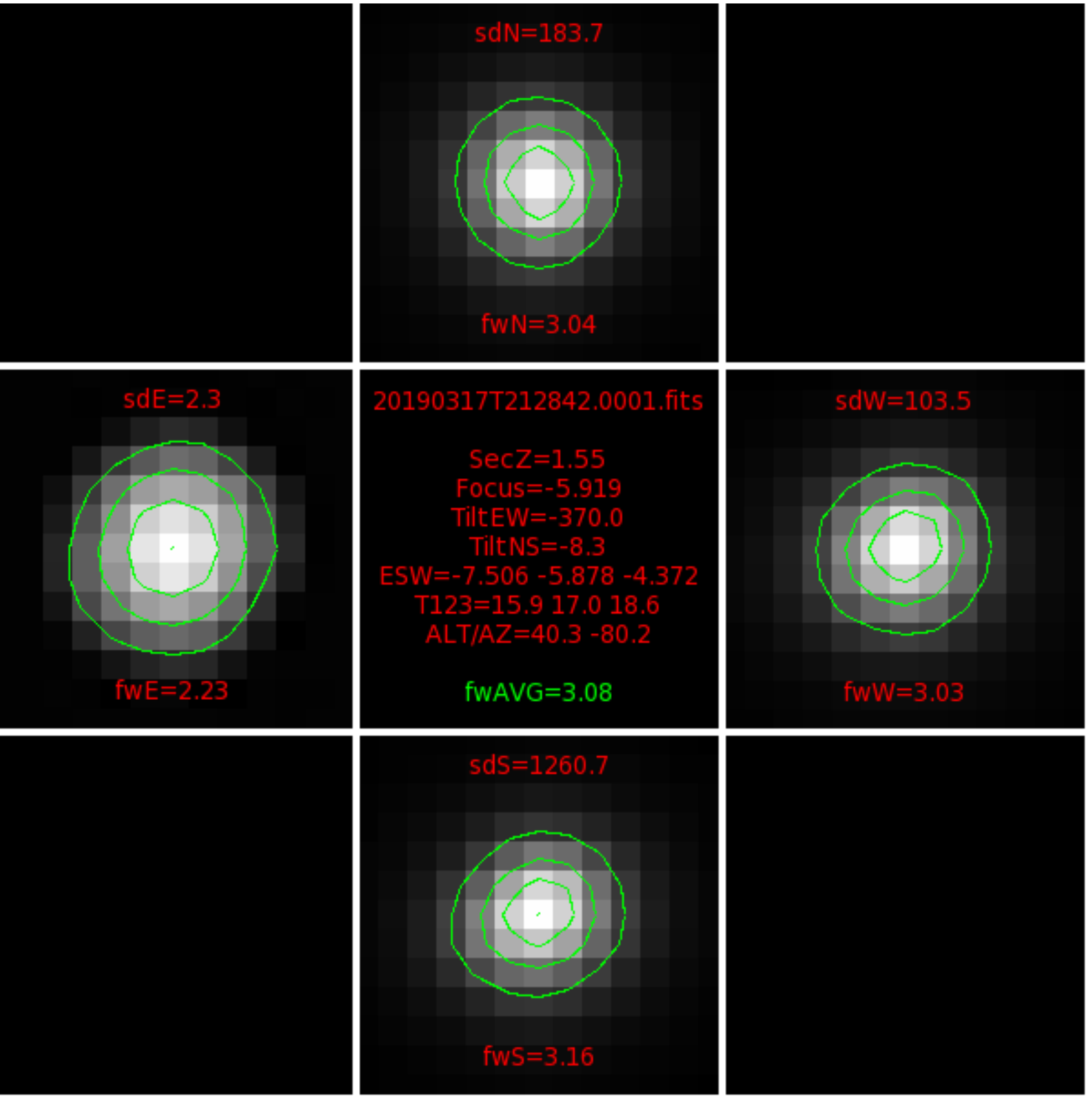
sdN=183.7
fwN=3.04
sdE=2.3
fwE=2.23
20190317T212842.0001.fits
SecZ=1.55
Focus=-5.919
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.506 -5.878 -4.372
T123=15.9 17.0 18.6
ALT/AZ=40.3 -80.2
fwAVG=3.08
sdW=103.5
fwW=3.03
sdS=1260.7
fwS=3.16
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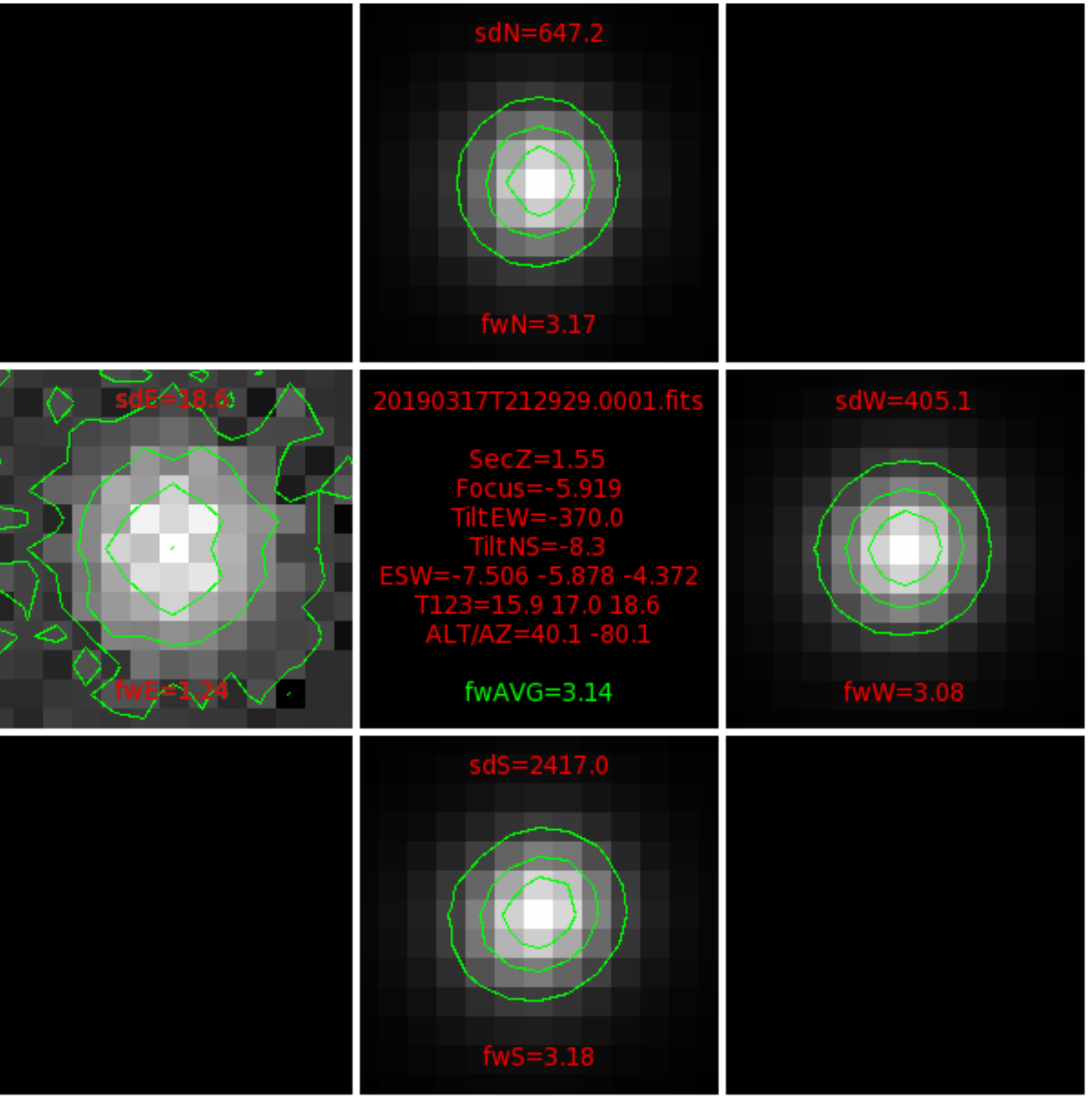
sdN=647.2
fwN=3.17
sdE=18.6
fwE=1.24
20190317T212929.0001.fits
SecZ=1.55
Focus=-5.919
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.506 -5.878 -4.372
T123=15.9 17.0 18.6
ALT/AZ=40.1 -80.1
fwAVG=3.14
sdW=405.1
fwW=3.08
sdS=2417.0
fwS=3.18
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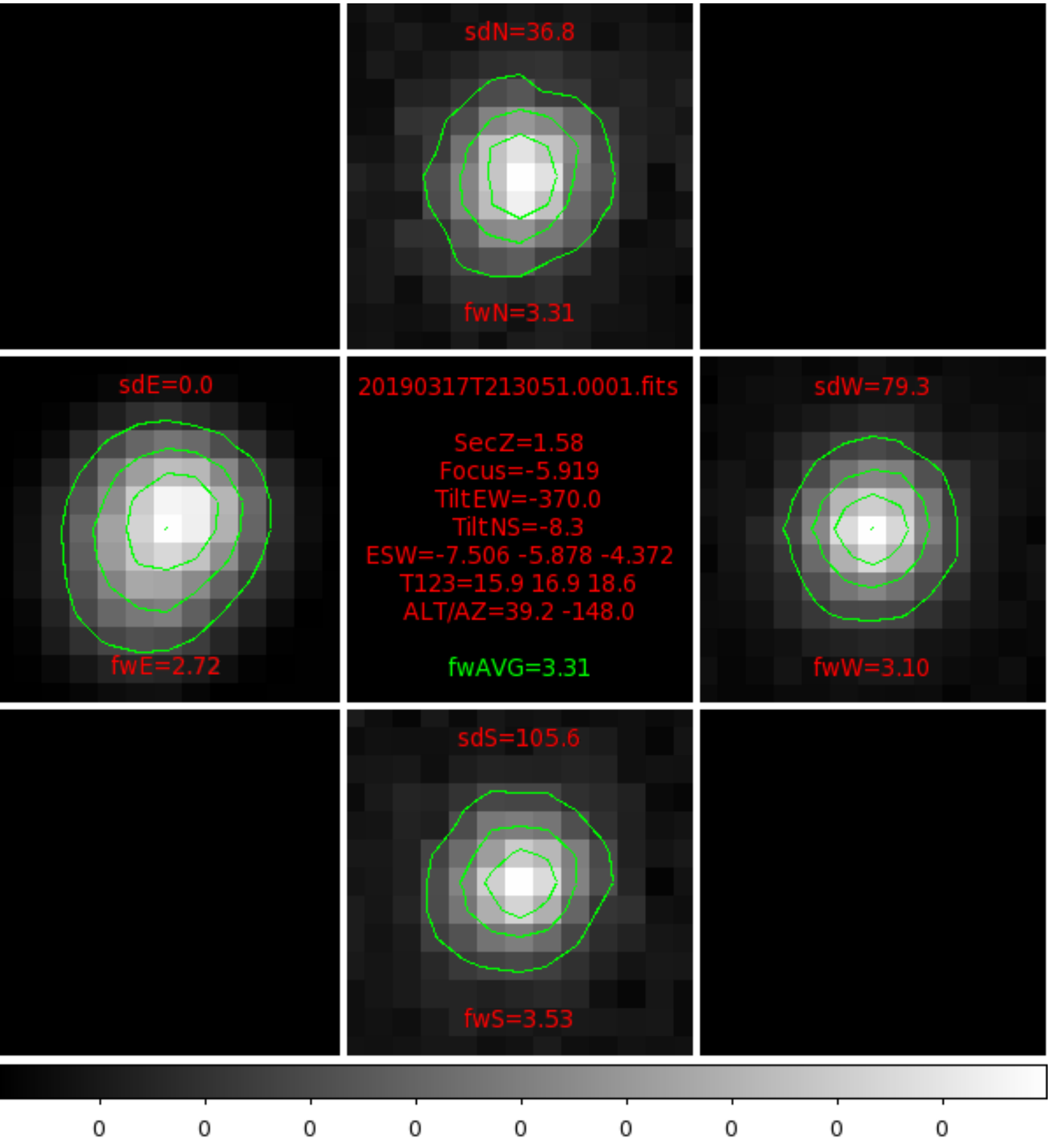
sdN=36.8
fwN=3.31
sdE=0.0
fwE=2.72
20190317T213051.0001.fits
SecZ=1.58
Focus=-5.919
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.506 -5.878 -4.372
T123=15.9 16.9 18.6
ALT/AZ=39.2 -148.0
fwAVG=3.31
sdW=79.3
fwW=3.10
sdS=105.6
fwS=3.53
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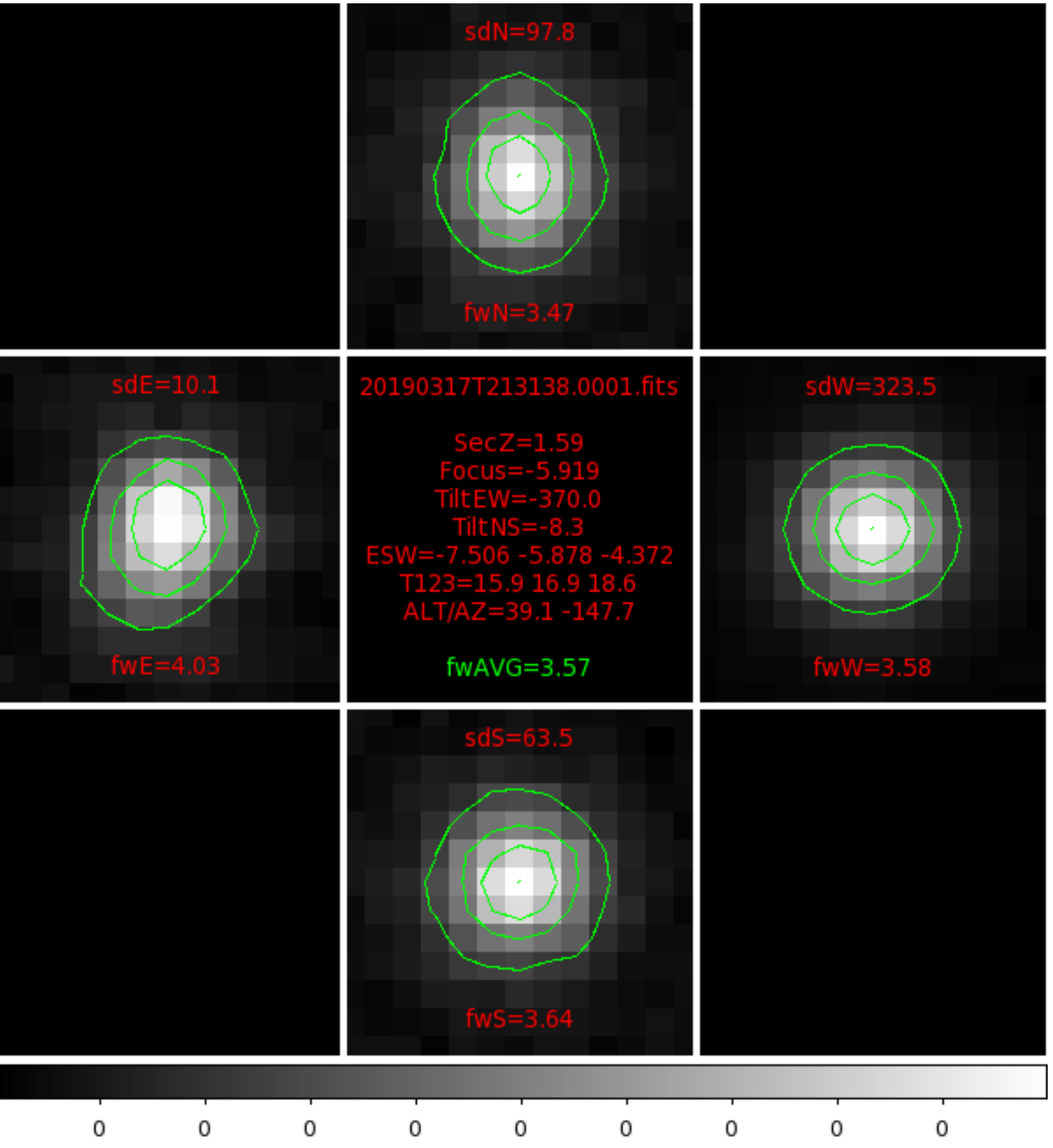
sdN=97.8
fwN=3.47
sdE=10.1
fwE=4.03
20190317T213138.0001.fits
SecZ=1.59
Focus=-5.919
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.506 -5.878 -4.372
T123=15.9 16.9 18.6
ALT/AZ=39.1 -147.7
fwAVG=3.57
sdW=323.5
fwW=3.58
sdS=63.5
fwS=3.64
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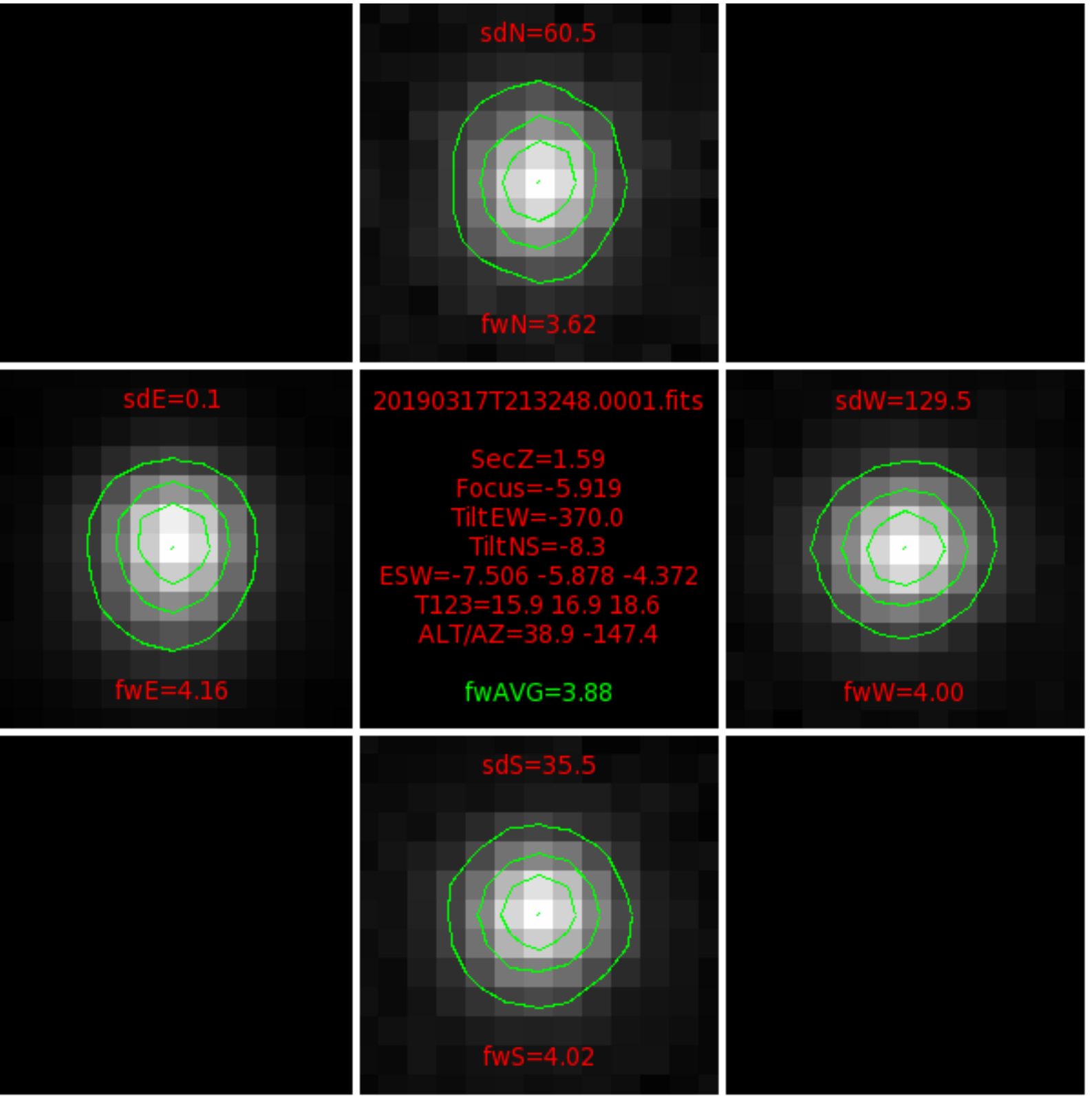
sdN=60.5
fwN=3.62
sdE=0.1
fwE=4.16
20190317T213248.0001.fits
SecZ=1.59
Focus=-5.919
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.506 -5.878 -4.372
T123=15.9 16.9 18.6
ALT/AZ=38.9 -147.4
fwAVG=3.88
sdW=129.5
fwW=4.00
sdS=35.5
fwS=4.02
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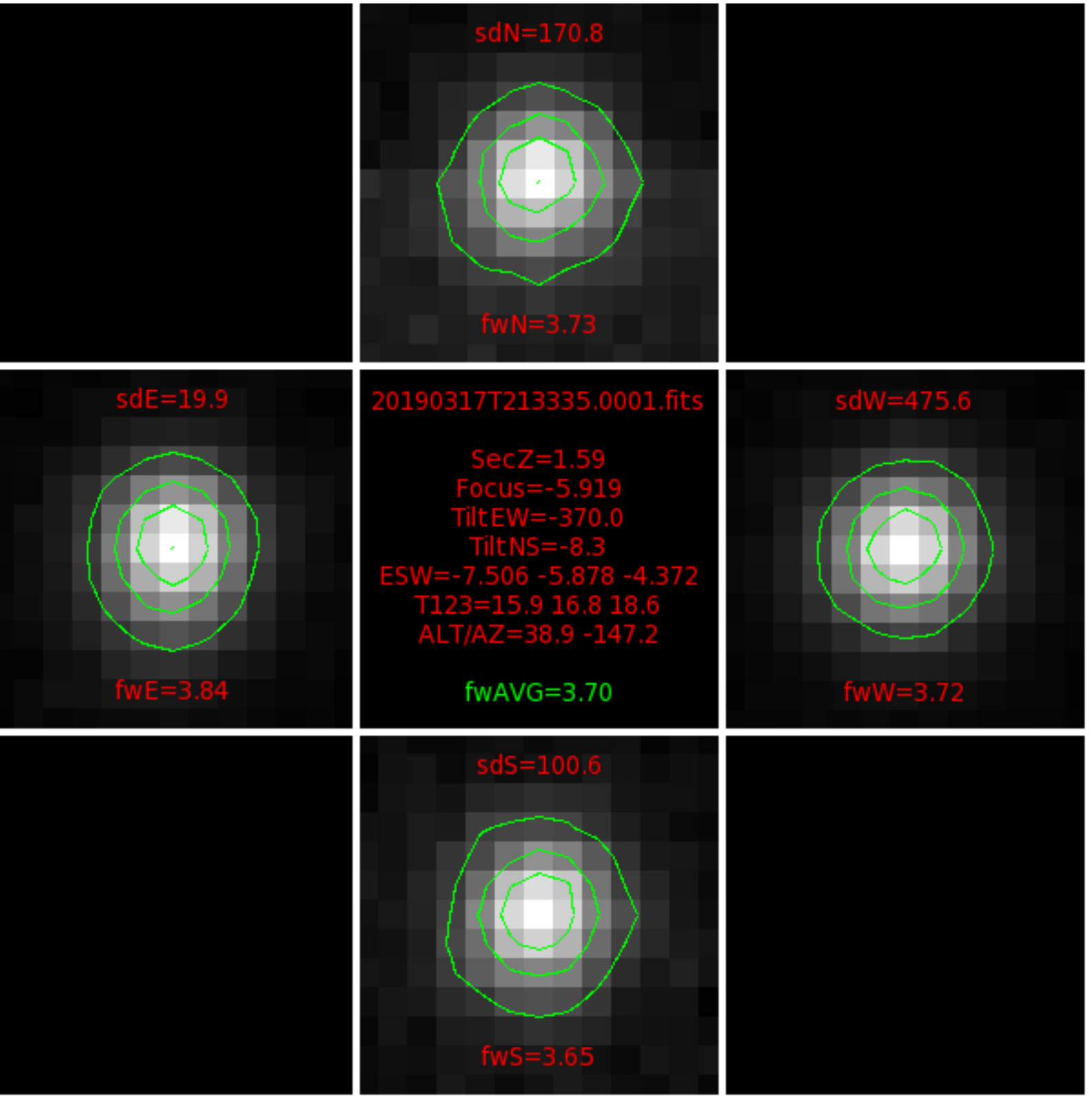
sdN=170.8
fwN=3.73
sdE=19.9
fwE=3.84
20190317T213335.0001.fits
SecZ=1.59
Focus=-5.919
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.506 -5.878 -4.372
T123=15.9 16.8 18.6
ALT/AZ=38.9 -147.2
fwAVG=3.70
sdW=475.6
fwW=3.72
sdS=100.6
fwS=3.65
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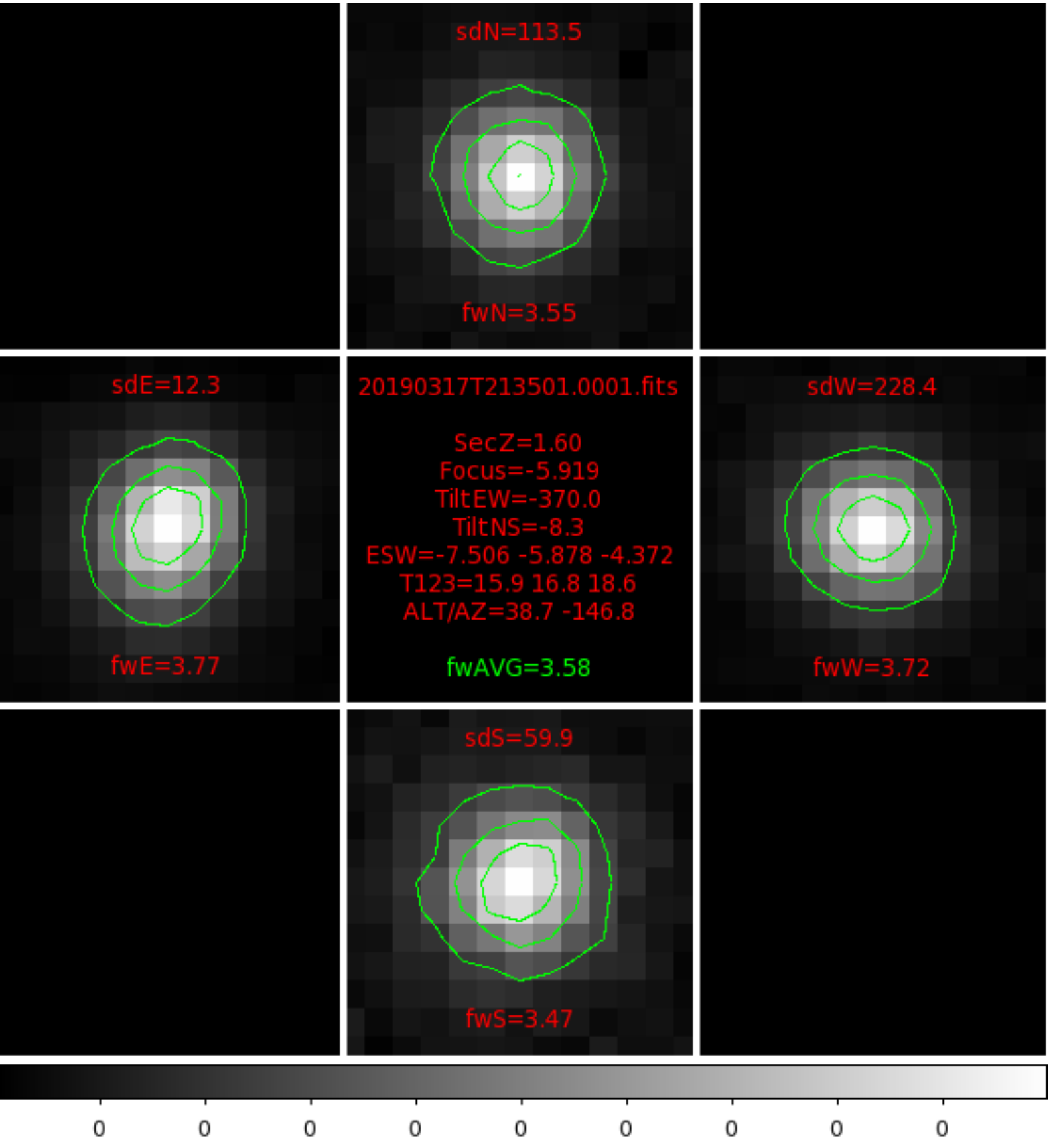
sdN=113.5
fwN=3.55
sdE=12.3
fwE=3.77
20190317T213501.0001.fits
SecZ=1.60
Focus=-5.919
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.506 -5.878 -4.372
T123=15.9 16.8 18.6
ALT/AZ=38.7 -146.8
fwAVG=3.58
sdW=228.4
fwW=3.72
sdS=59.9
fwS=3.47
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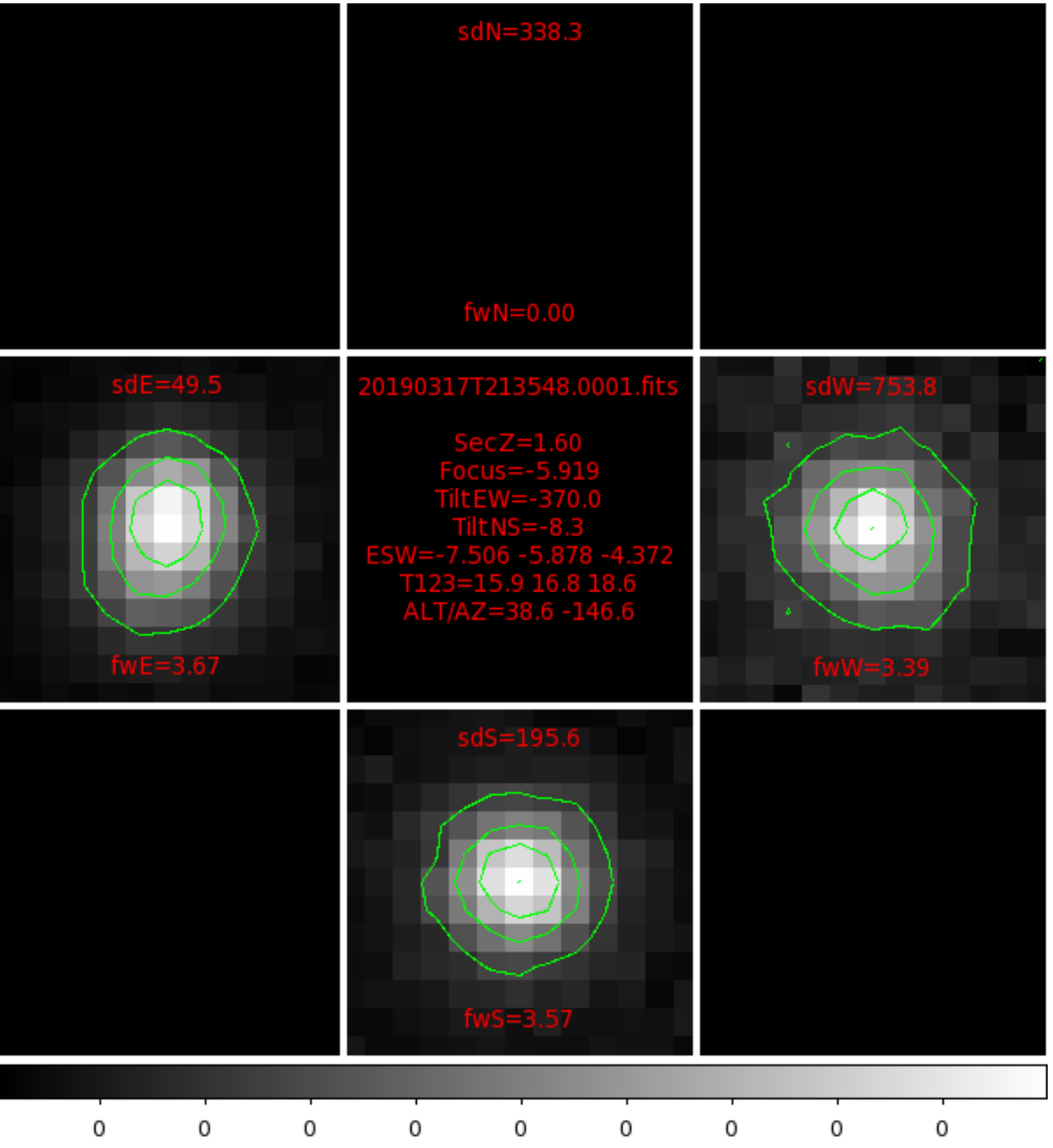
sdN=338.3
fwN=0.00
sdE=49.5
20190317T213548.0001.fits
SecZ=1.60
Focus=-5.919
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.506 -5.878 -4.372
T123=15.9 16.8 18.6
ALT/AZ=38.6 -146.6
sdW=753.8
fwE=3.67
fwW=3.39
sdS=195.6
fwS=3.57
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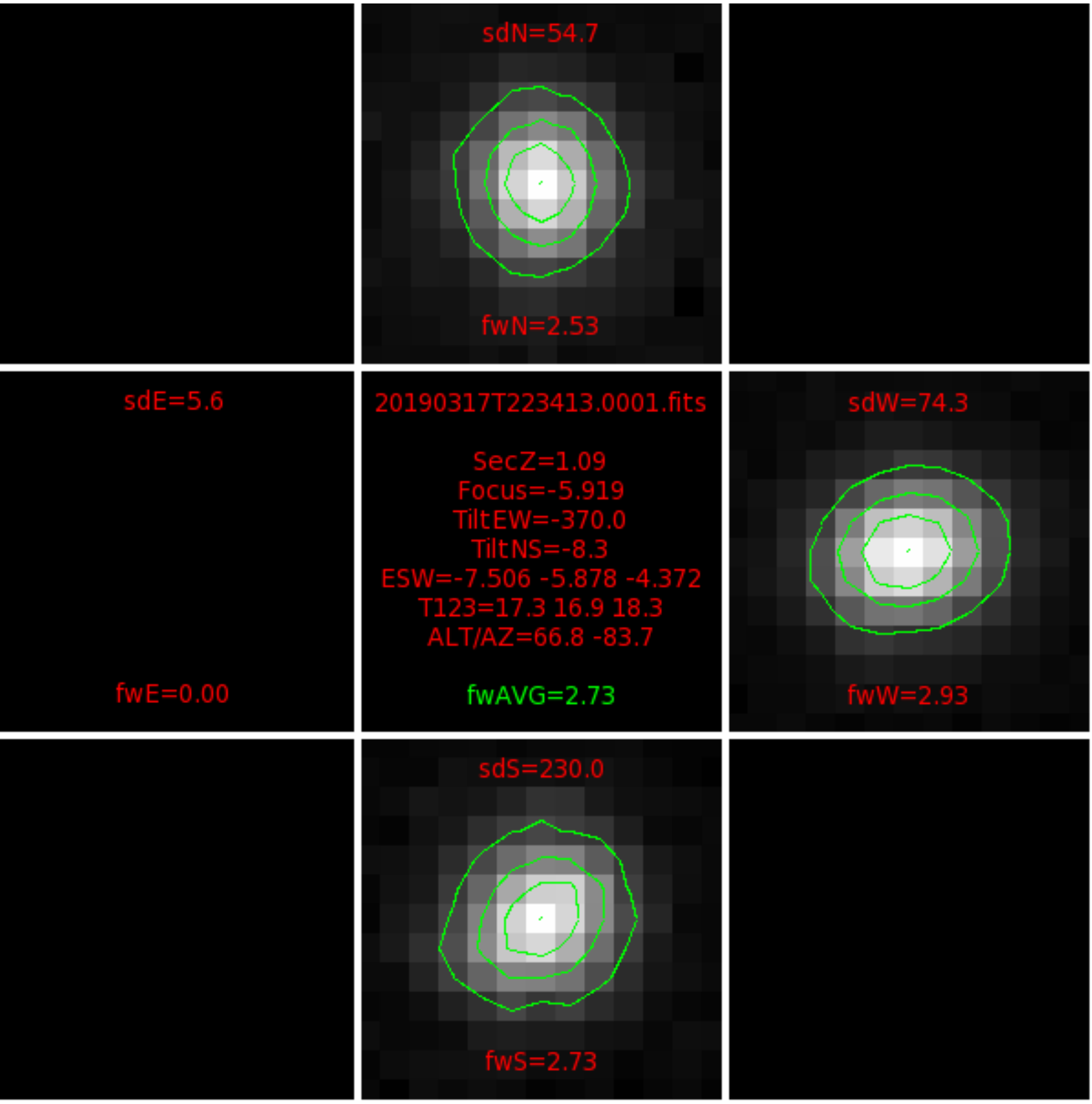
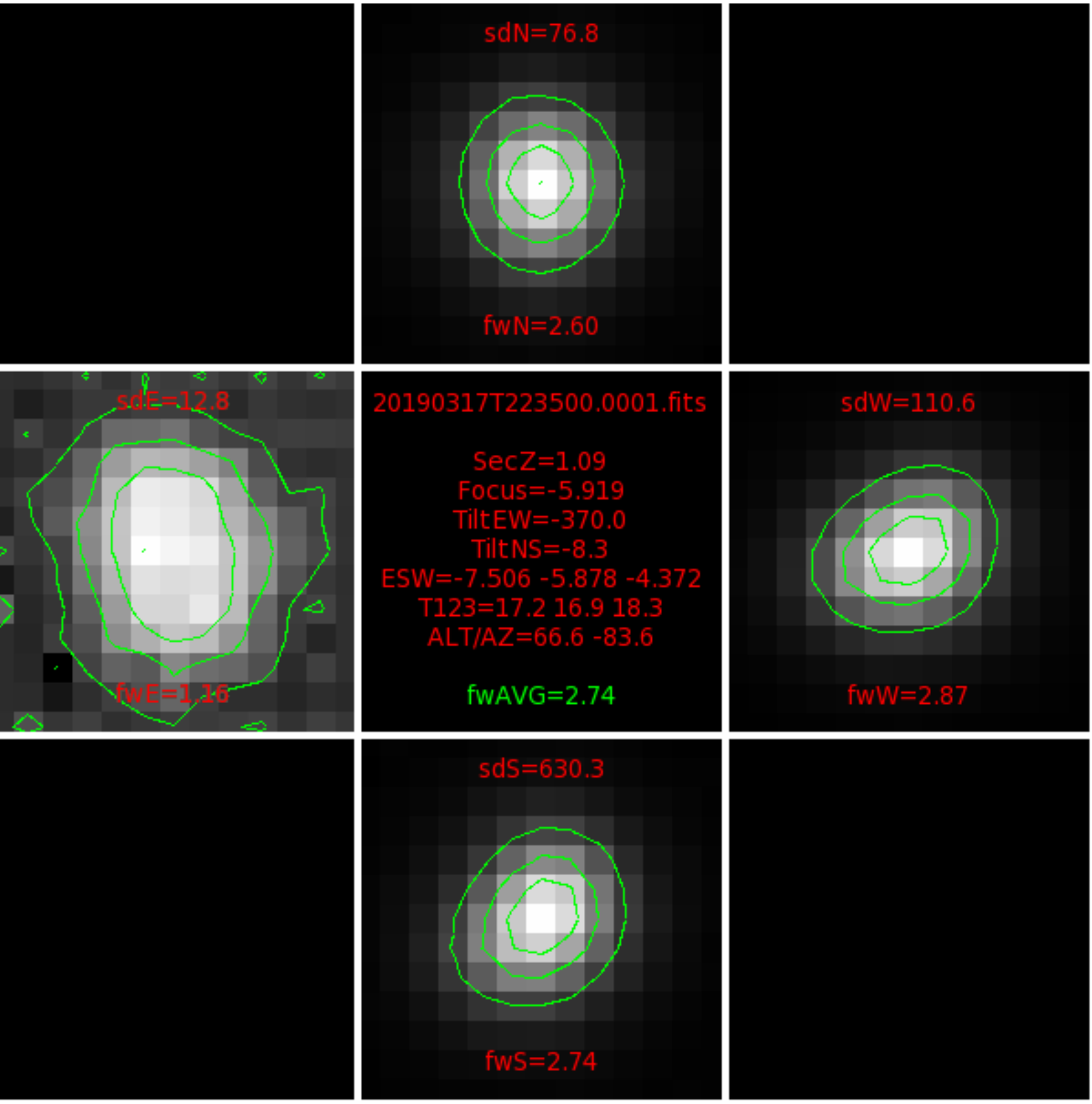
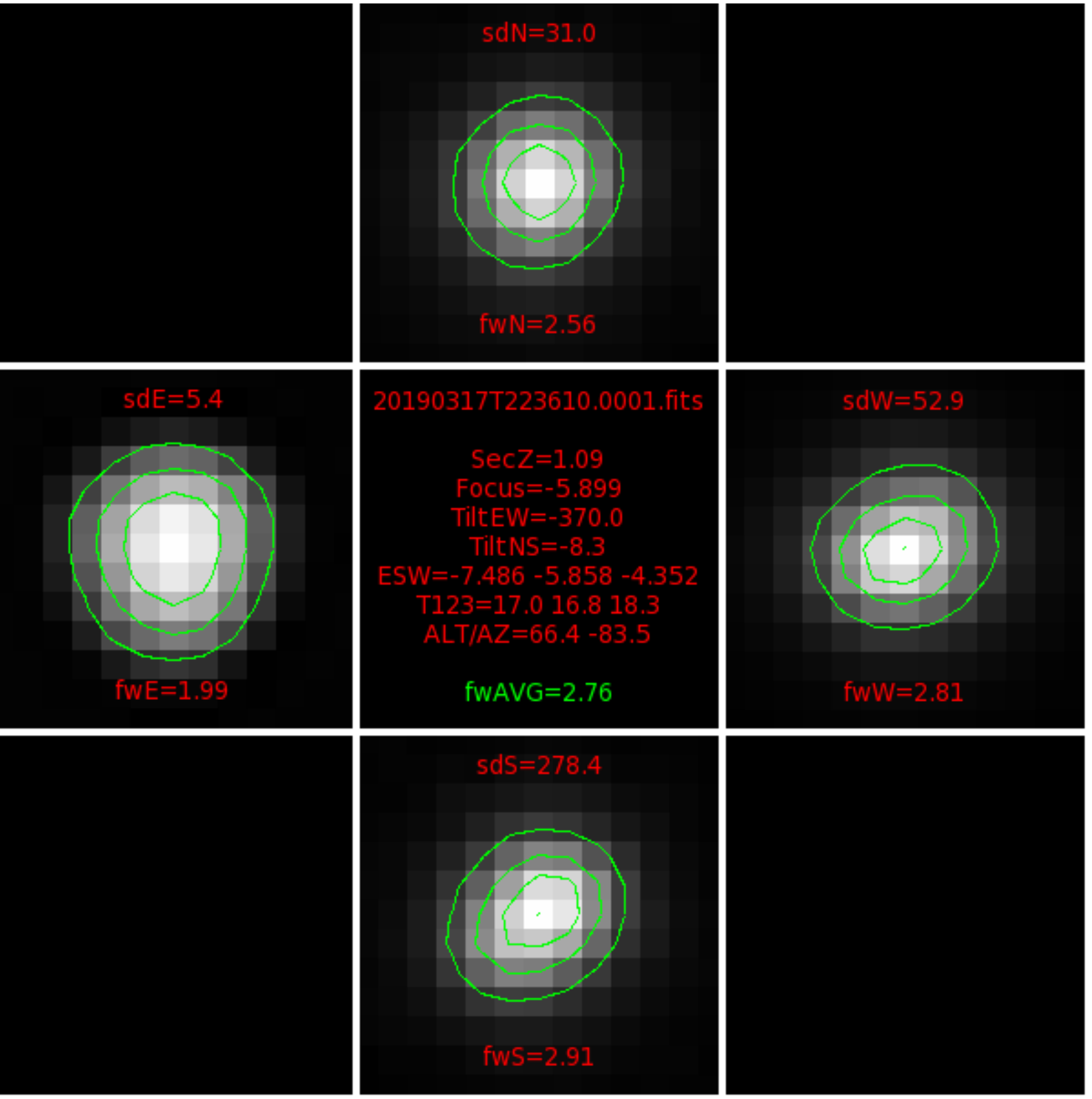

sdN=54.7
fwN=2.53
sdE=5.6
fwE=0.00
20190317T223413.0001.fits
SecZ=1.09
Focus=-5.919
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.506 -5.878 -4.372
T123=17.3 16.9 18.3
ALT/AZ=66.8 -83.7
fwAVG=2.73
sdW=74.3
fwW=2.93
sdS=230.0
fwS=2.73
0 0 0 0 0 0 0 0 0


sdN=76.8
fwN=2.60
sdE=12.8
fwE=1.16
20190317T223500.0001.fits
SecZ=1.09
Focus=-5.919
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.506 -5.878 -4.372
T123=17.2 16.9 18.3
ALT/AZ=66.6 -83.6
fwAVG=2.74
sdW=110.6
fwW=2.87
sdS=630.3
fwS=2.74
0 0 0 0 0 0 0 0 0


sdN=31.0
fwN=2.56
sdE=5.4
fwE=1.99
20190317T223610.0001.fits
SecZ=1.09
Focus=-5.899
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.486 -5.858 -4.352
T123=17.0 16.8 18.3
ALT/AZ=66.4 -83.5
fwAVG=2.76
sdW=52.9
fwW=2.81
sdS=278.4
fwS=2.91
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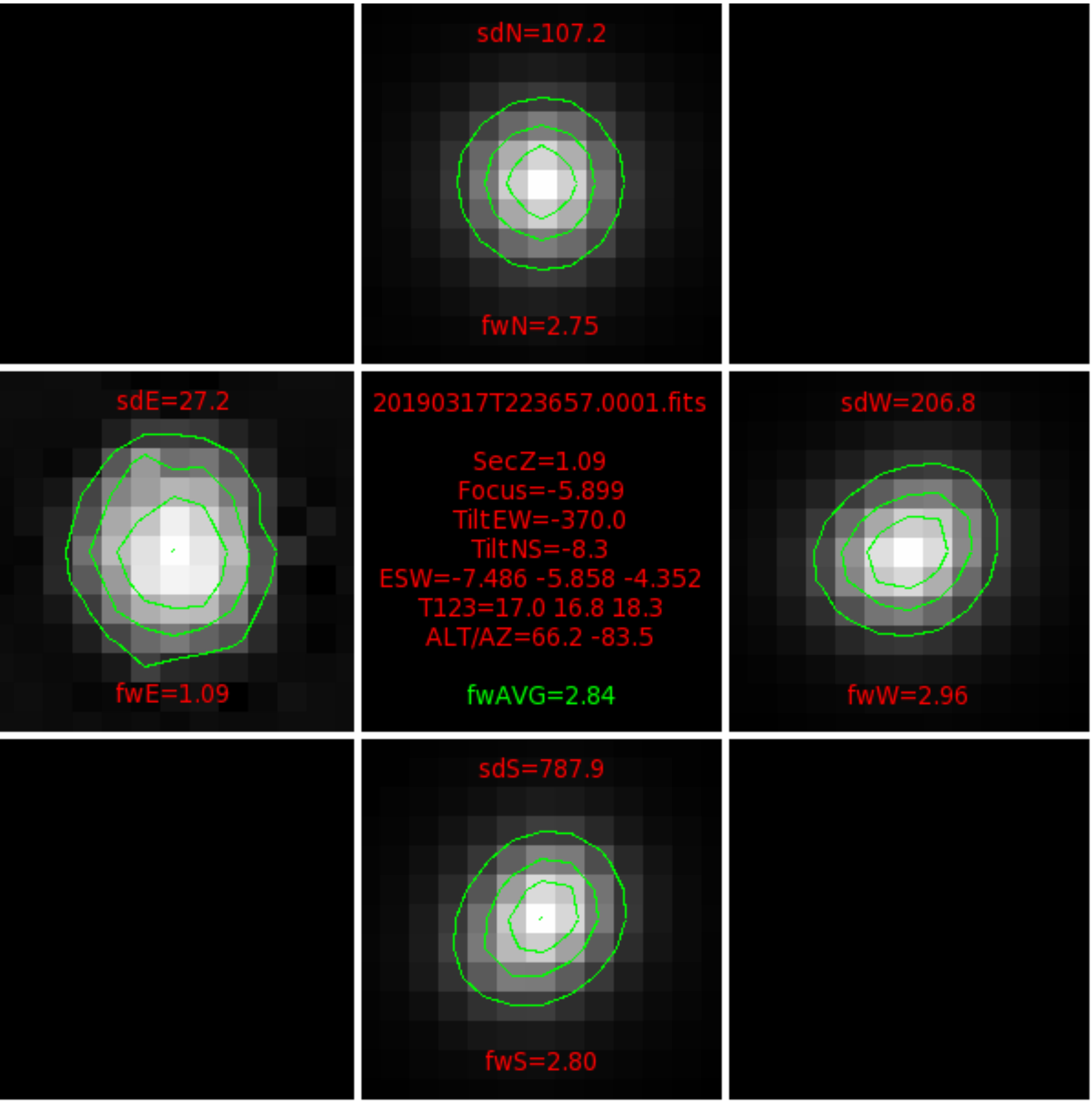
sdN=107.2
fwN=2.75
sdE=27.2
fwE=1.09
20190317T223657.0001.fits
SecZ=1.09
Focus=-5.899
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.486 -5.858 -4.352
T123=17.0 16.8 18.3
ALT/AZ=66.2 -83.5
fwAVG=2.84
sdW=206.8
fwW=2.96
sdS=787.9
fwS=2.80
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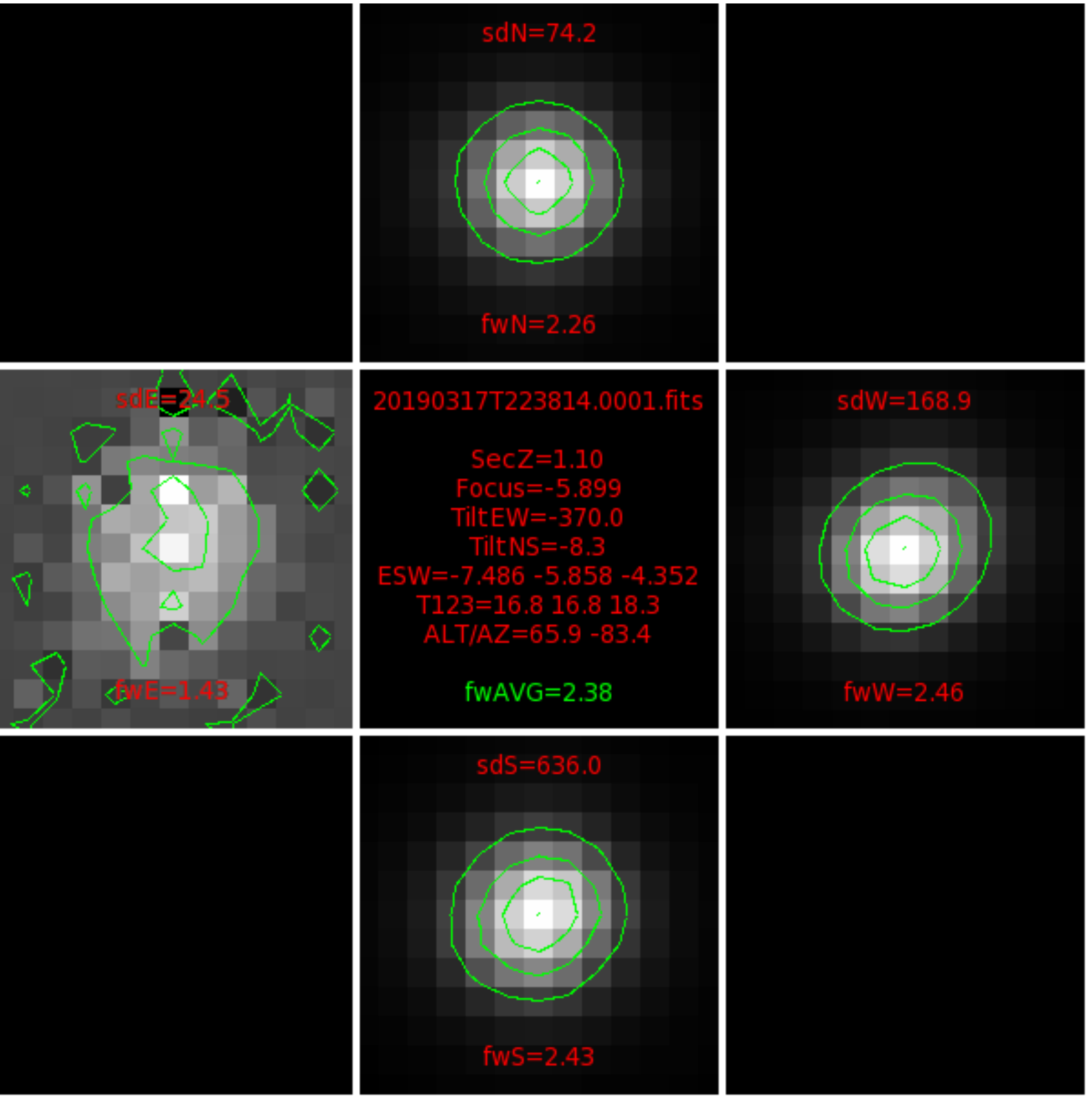
sdN=74.2
fwN=2.26
sdE=24.5
fwE=1.43
20190317T223814.0001.fits
SecZ=1.10
Focus=-5.899
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.486 -5.858 -4.352
T123=16.8 16.8 18.3
ALT/AZ=65.9 -83.4
fwAVG=2.38
sdW=168.9
fwW=2.46
sdS=636.0
fwS=2.43
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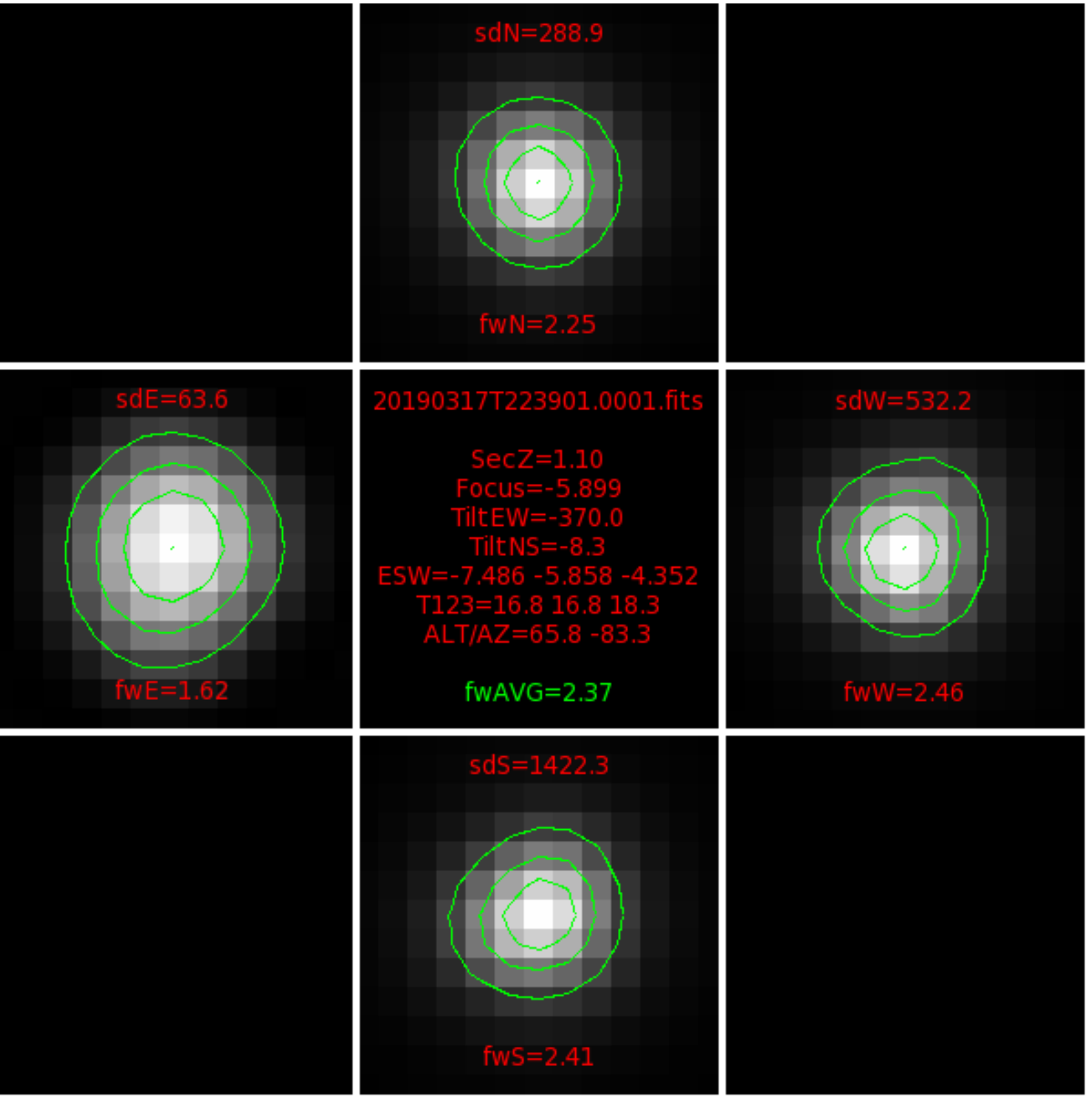
sdN=288.9
fwN=2.25
sdE=63.6
fwE=1.62
20190317T223901.0001.fits
SecZ=1.10
Focus=-5.899
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.486 -5.858 -4.352
T123=16.8 16.8 18.3
ALT/AZ=65.8 -83.3
fwAVG=2.37
sdW=532.2
fwW=2.46
sdS=1422.3
fwS=2.41
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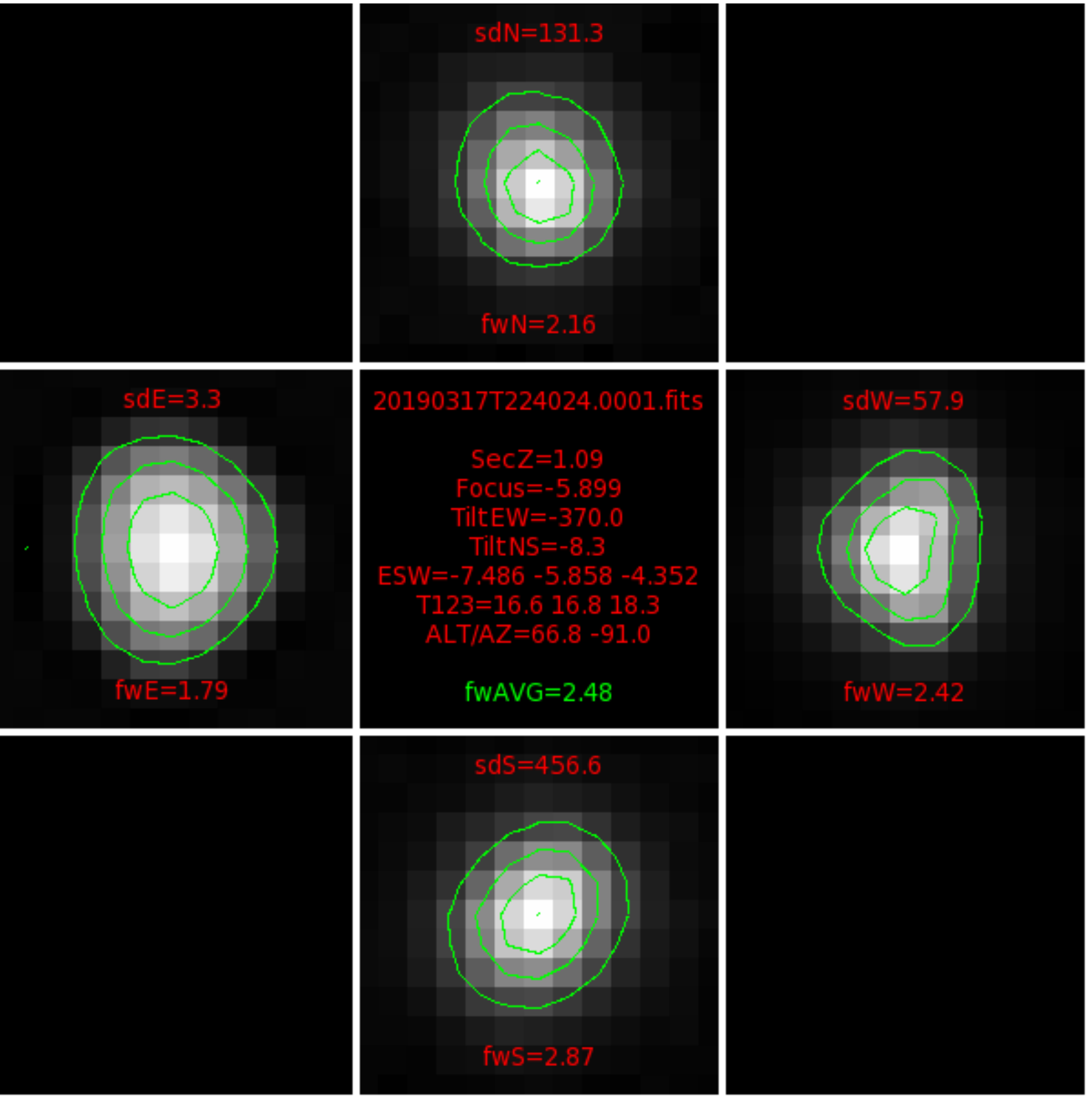
sdN=131.3
fwN=2.16
sdE=3.3
fwE=1.79
20190317T224024.0001.fits
SecZ=1.09
Focus=-5.899
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.486 -5.858 -4.352
T123=16.6 16.8 18.3
ALT/AZ=66.8 -91.0
fwAVG=2.48
sdW=57.9
fwW=2.42
sdS=456.6
fwS=2.87
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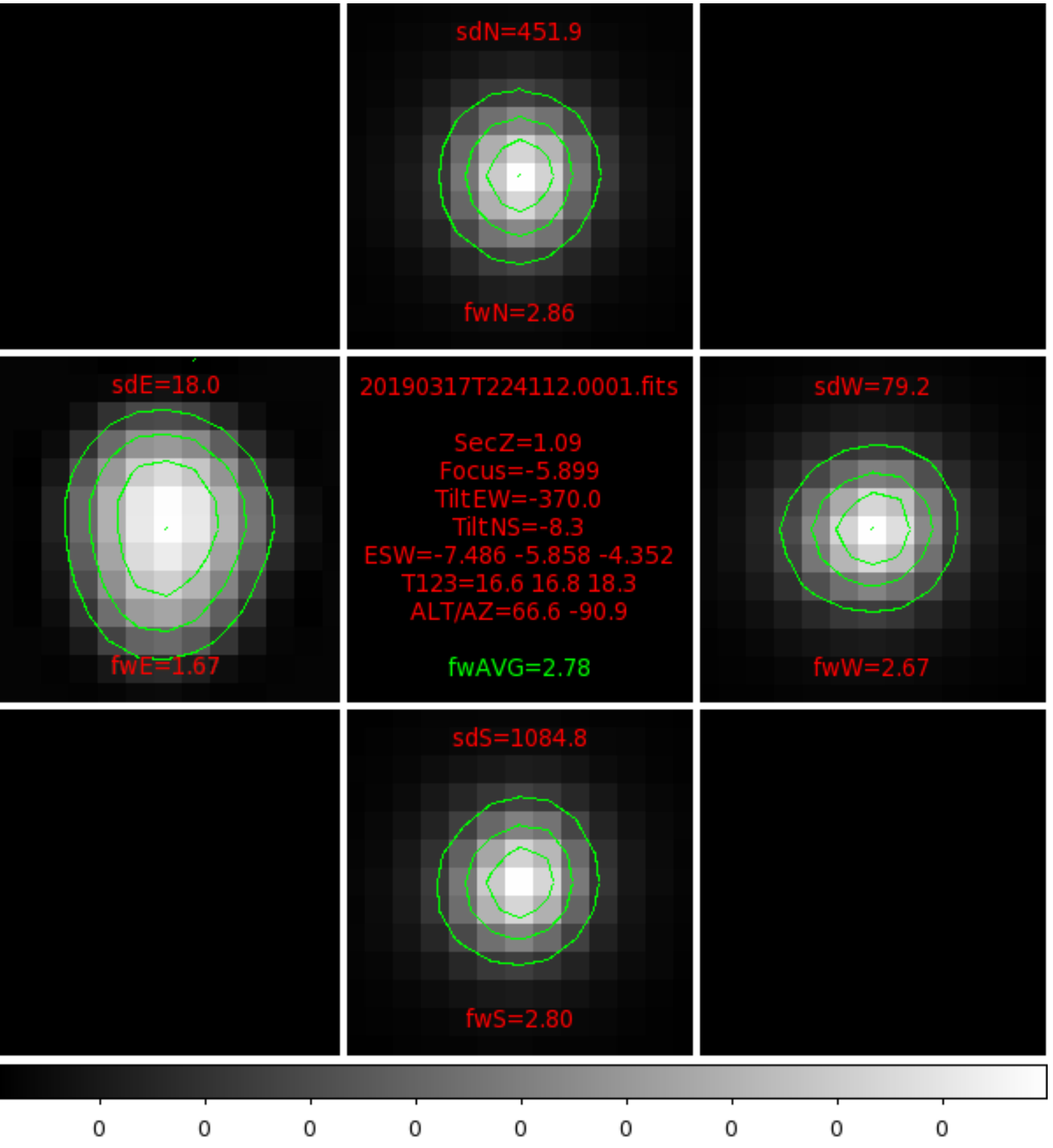
sdN=451.9
fwN=2.86
sdE=18.0
fwE=1.67
20190317T224112.0001.fits
SecZ=1.09
Focus=-5.899
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.486 -5.858 -4.352
T123=16.6 16.8 18.3
ALT/AZ=66.6 -90.9
fwAVG=2.78
sdW=79.2
fwW=2.67
sdS=1084.8
fwS=2.80
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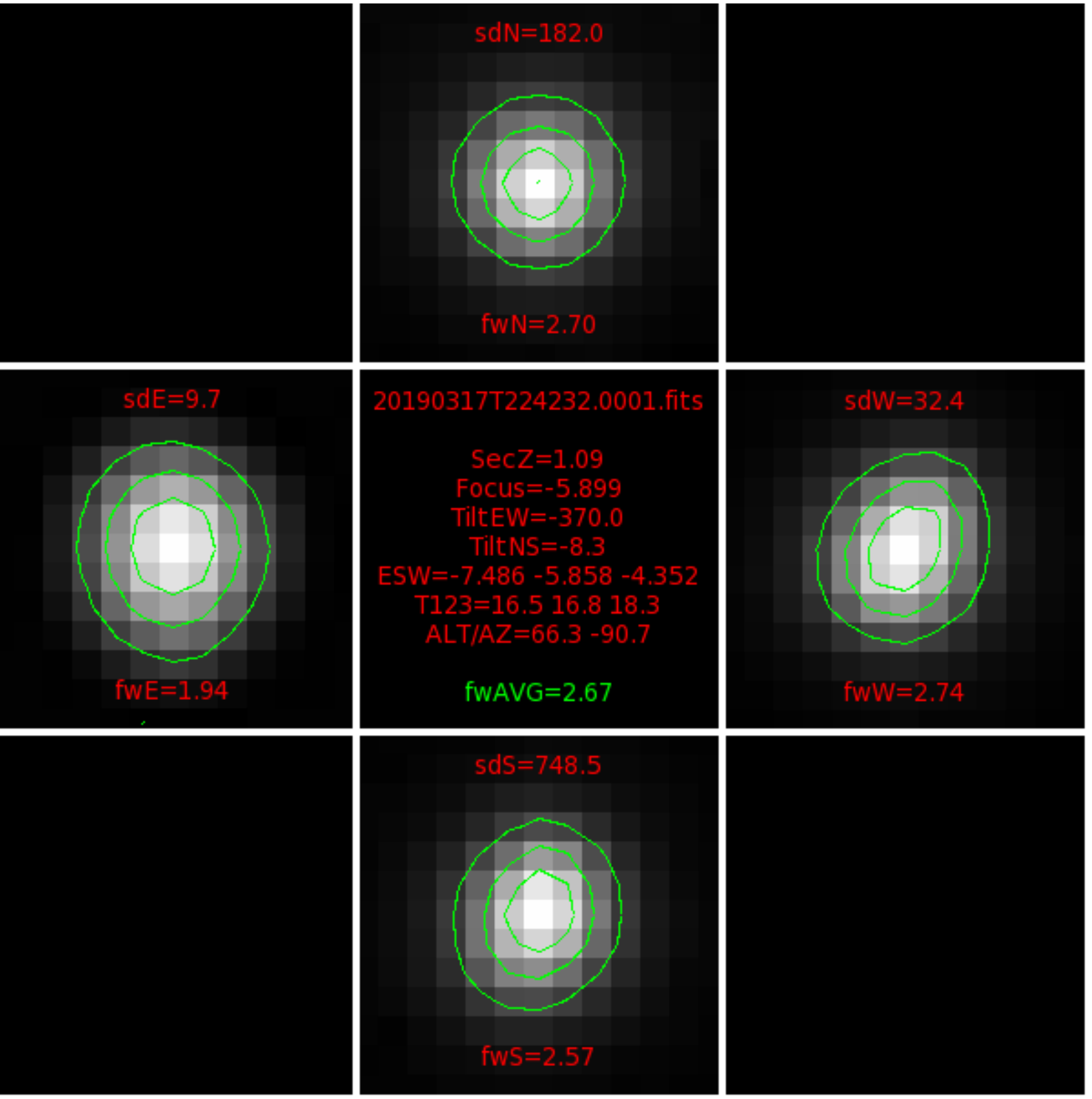
sdN=182.0
fwN=2.70
sdE=9.7
fwE=1.94
20190317T224232.0001.fits
SecZ=1.09
Focus=-5.899
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.486 -5.858 -4.352
T123=16.5 16.8 18.3
ALT/AZ=66.3 -90.7
fwAVG=2.67
sdW=32.4
fwW=2.74
sdS=748.5
fwS=2.57
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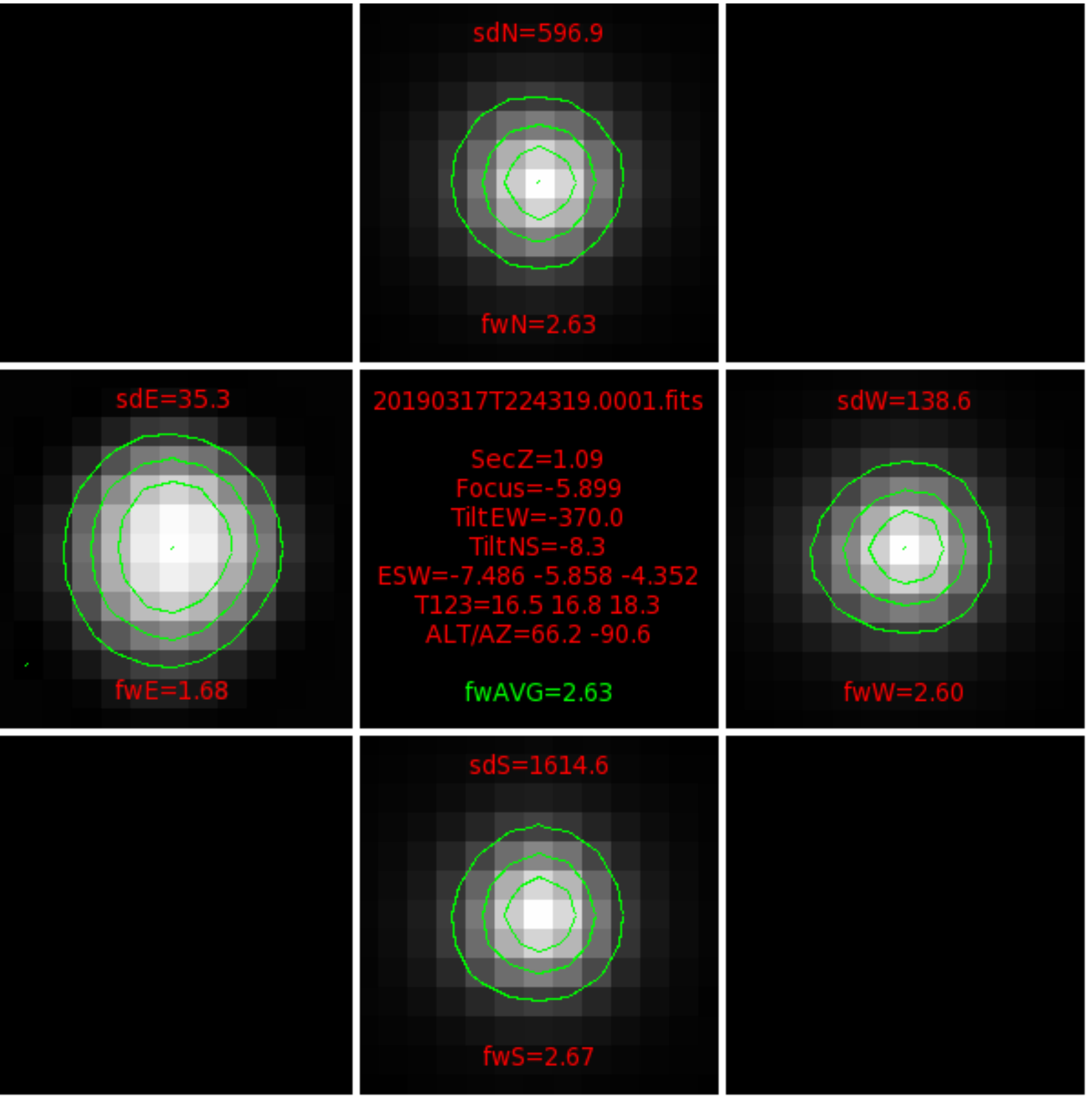
sdN=596.9
fwN=2.63
sdE=35.3
fwE=1.68
20190317T224319.0001.fits
SecZ=1.09
Focus=-5.899
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.486 -5.858 -4.352
T123=16.5 16.8 18.3
ALT/AZ=66.2 -90.6
fwAVG=2.63
sdW=138.6
fwW=2.60
sdS=1614.6
fwS=2.67
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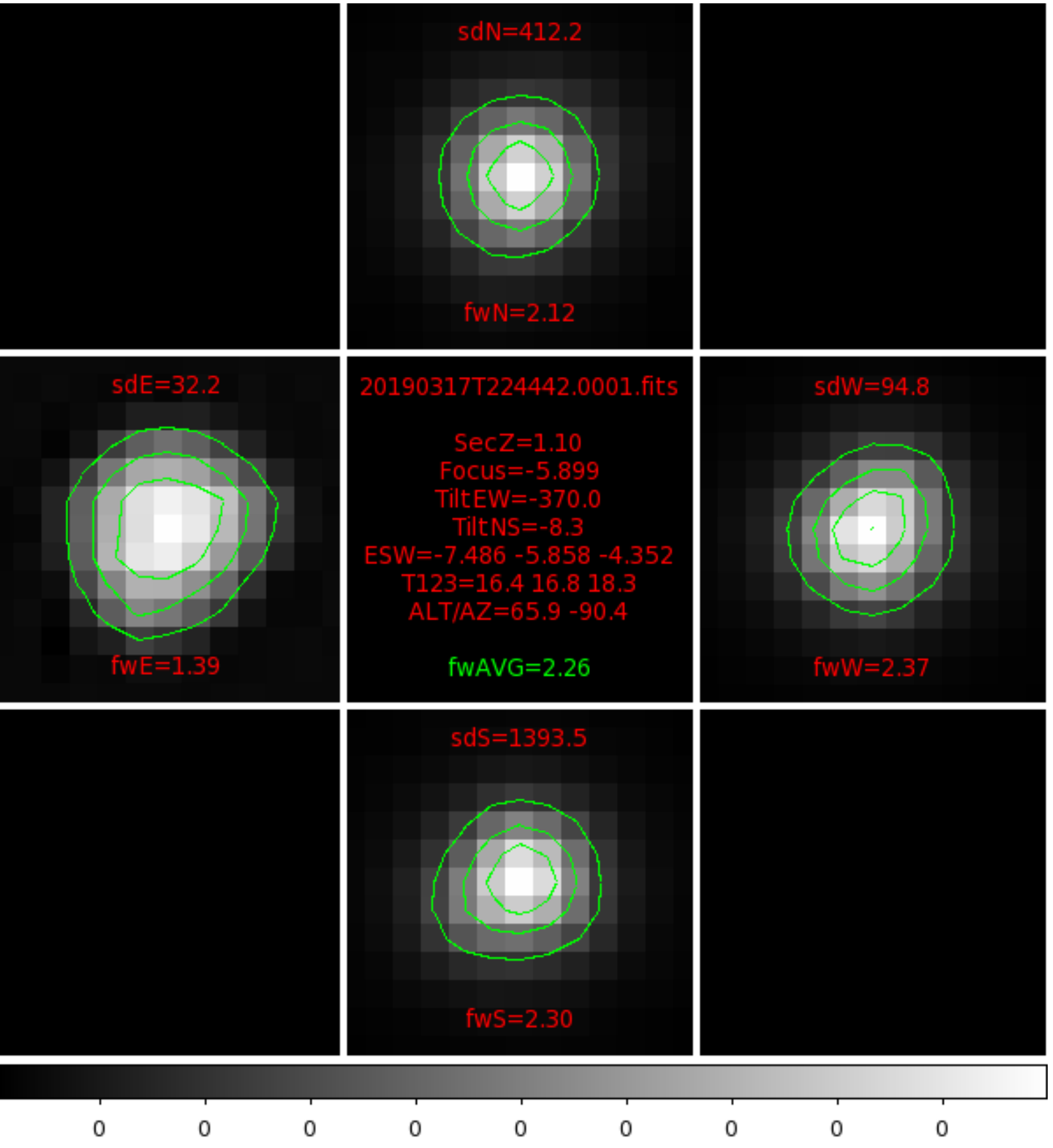
sdN=412.2
fwN=2.12
sdE=32.2
fwE=1.39
20190317T224442.0001.fits
SecZ=1.10
Focus=-5.899
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.486 -5.858 -4.352
T123=16.4 16.8 18.3
ALT/AZ=65.9 -90.4
fwAVG=2.26
sdW=94.8
fwW=2.37
sdS=1393.5
fwS=2.30
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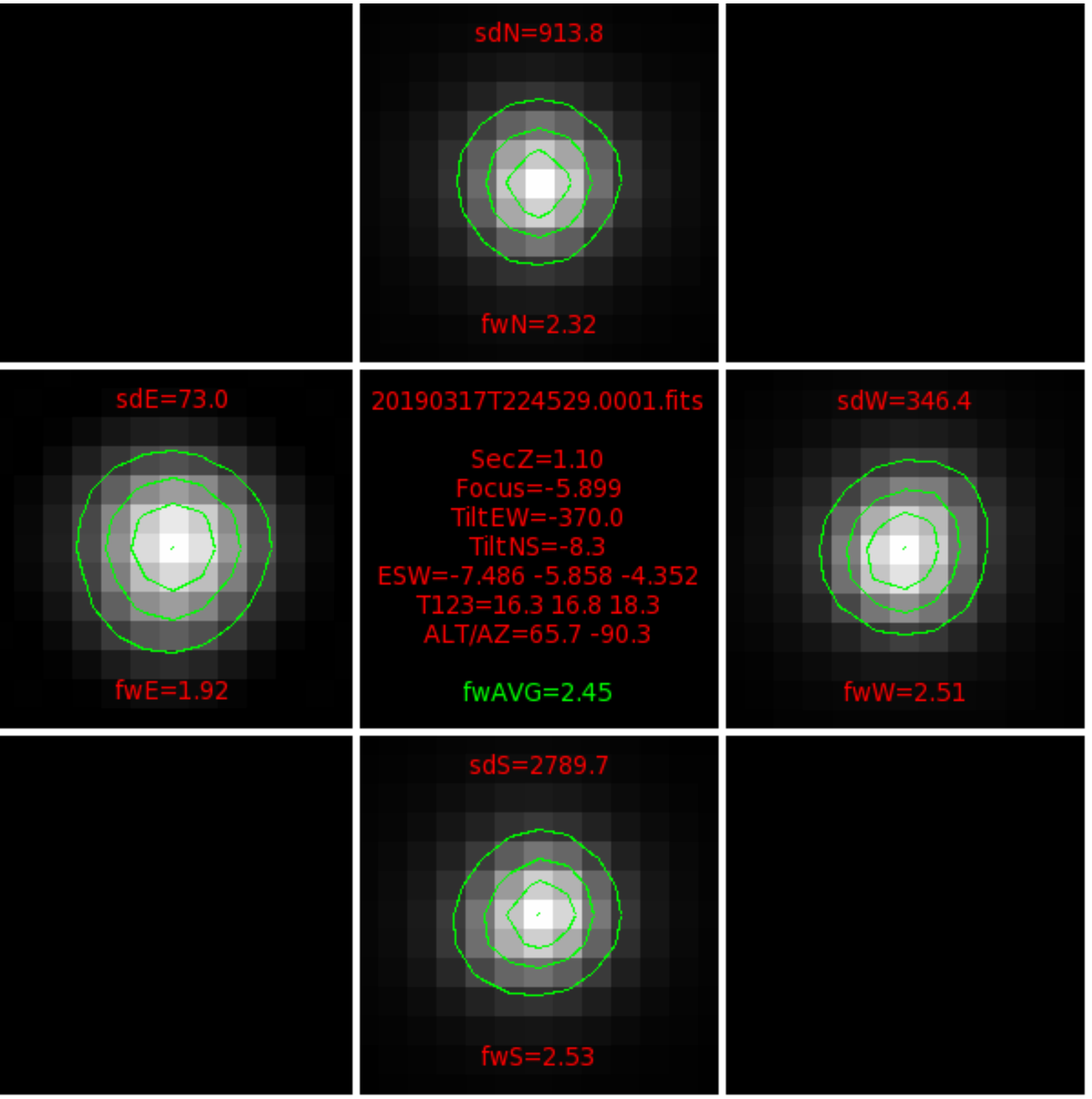
sdN=913.8
fwN=2.32
sdE=73.0
fwE=1.92
20190317T224529.0001.fits
SecZ=1.10
Focus=-5.899
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.486 -5.858 -4.352
T123=16.3 16.8 18.3
ALT/AZ=65.7 -90.3
fwAVG=2.45
sdW=346.4
fwW=2.51
sdS=2789.7
fwS=2.53
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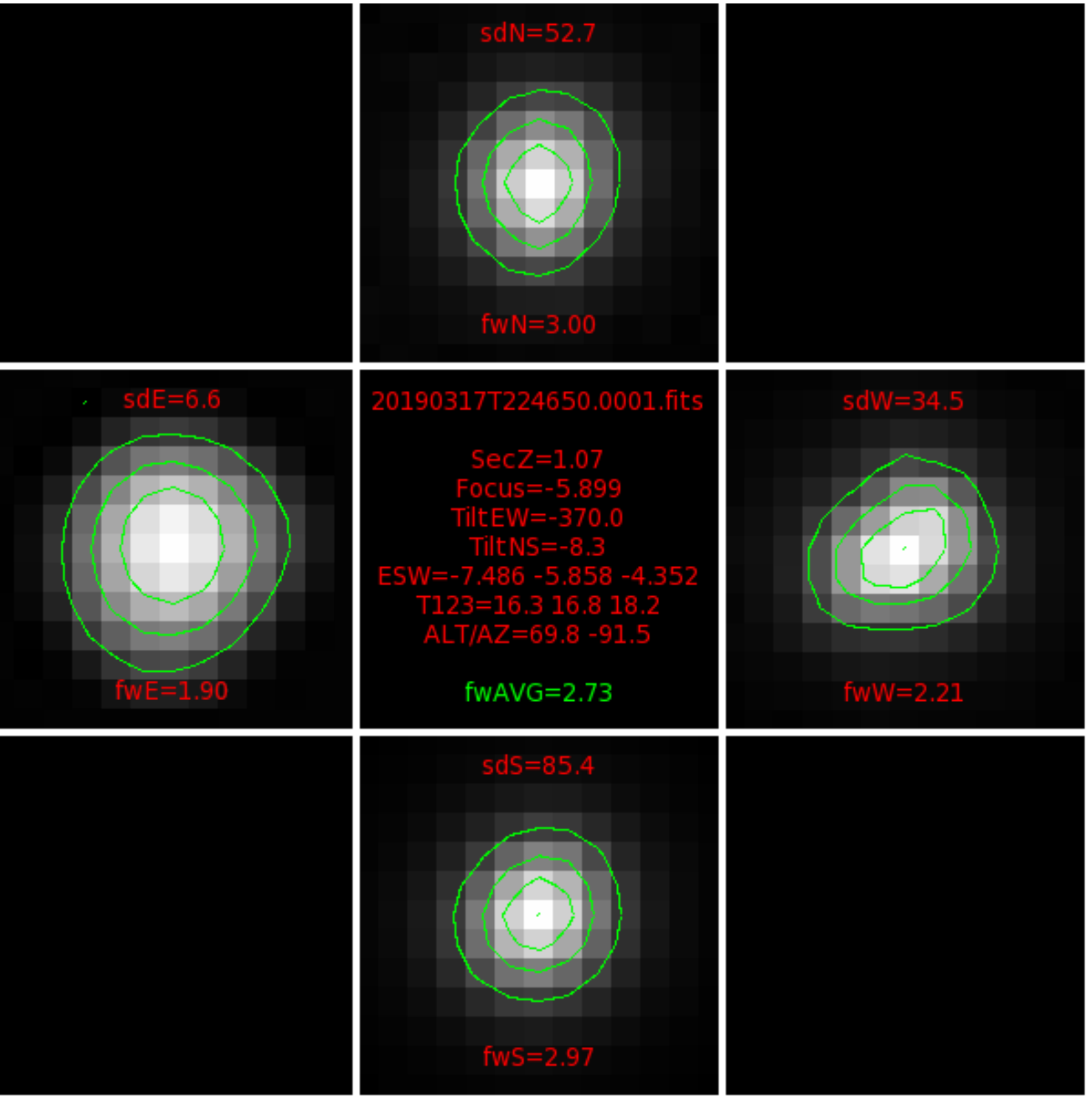
sdN=52.7
fwN=3.00
sdE=6.6
fwE=1.90
20190317T224650.0001.fits
SecZ=1.07
Focus=-5.899
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.486 -5.858 -4.352
T123=16.3 16.8 18.2
ALT/AZ=69.8 -91.5
fwAVG=2.73
sdW=34.5
fwW=2.21
sdS=85.4
fwS=2.97
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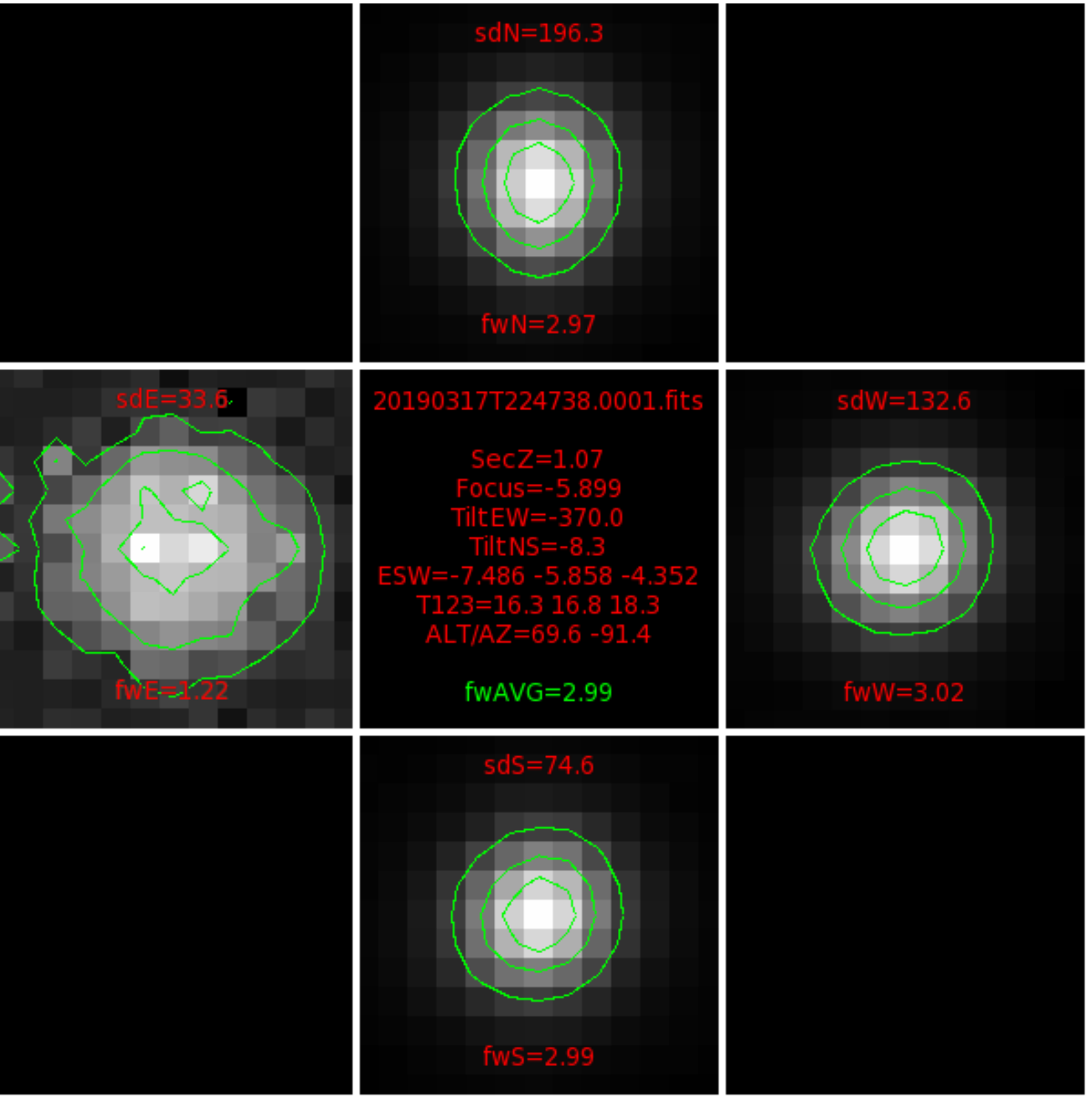
sdN=196.3
fwN=2.97
sdE=33.6
fwE=1.22
20190317T224738.0001.fits
SecZ=1.07
Focus=-5.899
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.486 -5.858 -4.352
T123=16.3 16.8 18.3
ALT/AZ=69.6 -91.4
fwAVG=2.99
sdW=132.6
fwW=3.02
sdS=74.6
fwS=2.99
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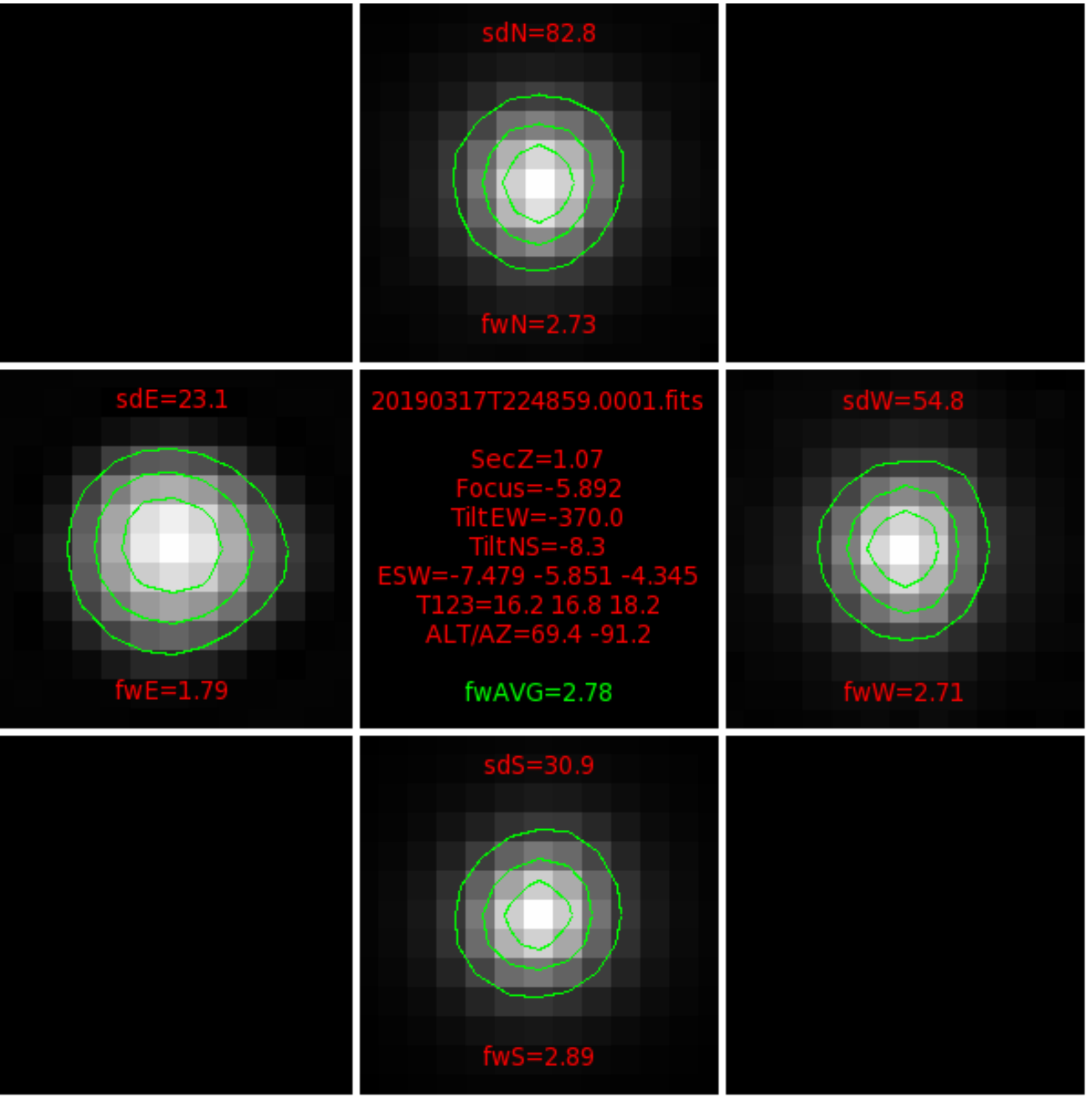
sdN=82.8
fwN=2.73
sdE=23.1
fwE=1.79
20190317T224859.0001.fits
SecZ=1.07
Focus=-5.892
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.479 -5.851 -4.345
T123=16.2 16.8 18.2
ALT/AZ=69.4 -91.2
fwAVG=2.78
sdW=54.8
fwW=2.71
sdS=30.9
fwS=2.89
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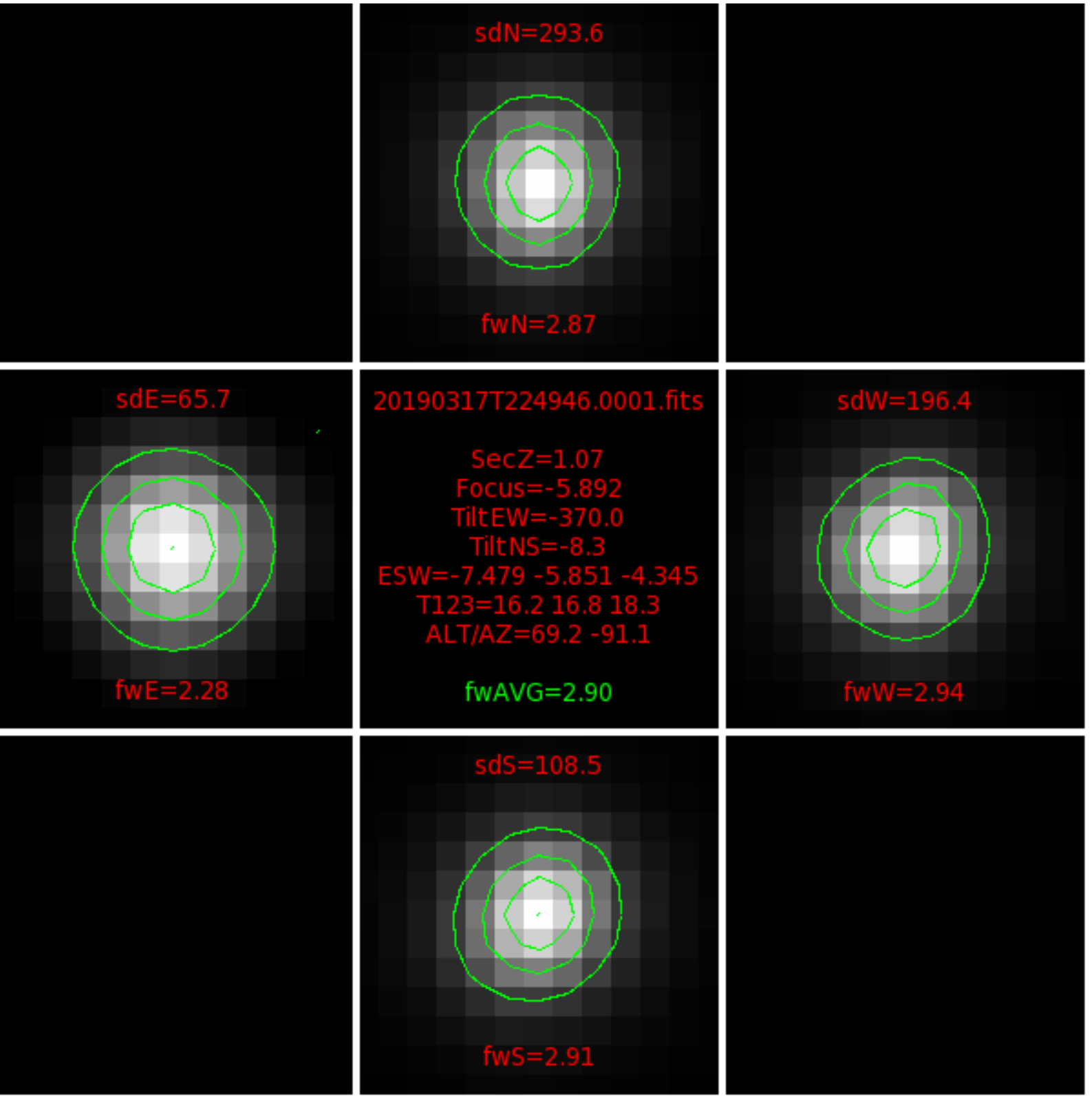
sdN=293.6
fwN=2.87
sdE=65.7
fwE=2.28
20190317T224946.0001.fits
SecZ=1.07
Focus=-5.892
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.479 -5.851 -4.345
T123=16.2 16.8 18.3
ALT/AZ=69.2 -91.1
fwAVG=2.90
sdW=196.4
fwW=2.94
sdS=108.5
fwS=2.91
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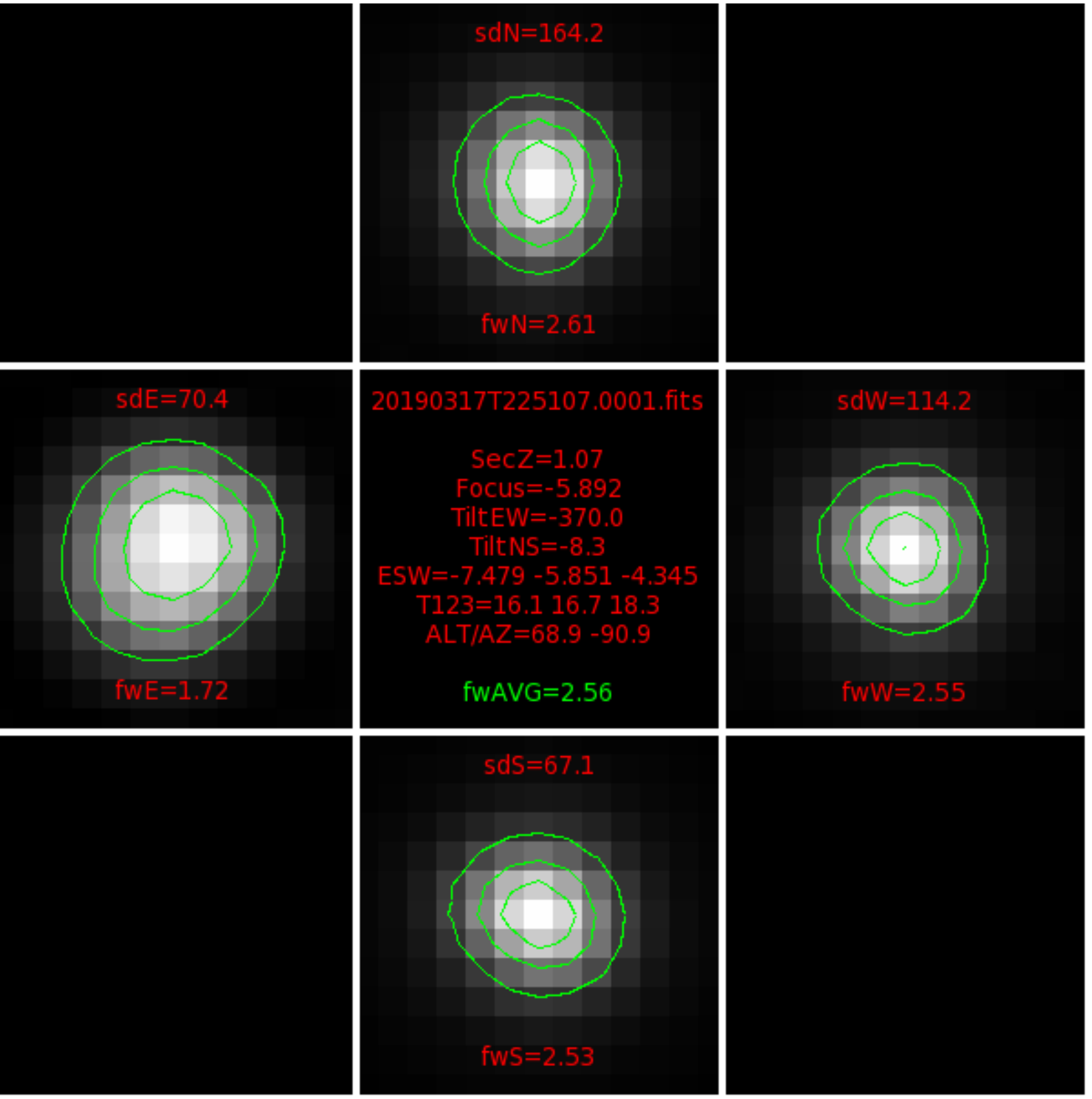
sdN=164.2
fwN=2.61
sdE=70.4
fwE=1.72
20190317T225107.0001.fits
SecZ=1.07
Focus=-5.892
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.479 -5.851 -4.345
T123=16.1 16.7 18.3
ALT/AZ=68.9 -90.9
fwAVG=2.56
sdW=114.2
fwW=2.55
sdS=67.1
fwS=2.53
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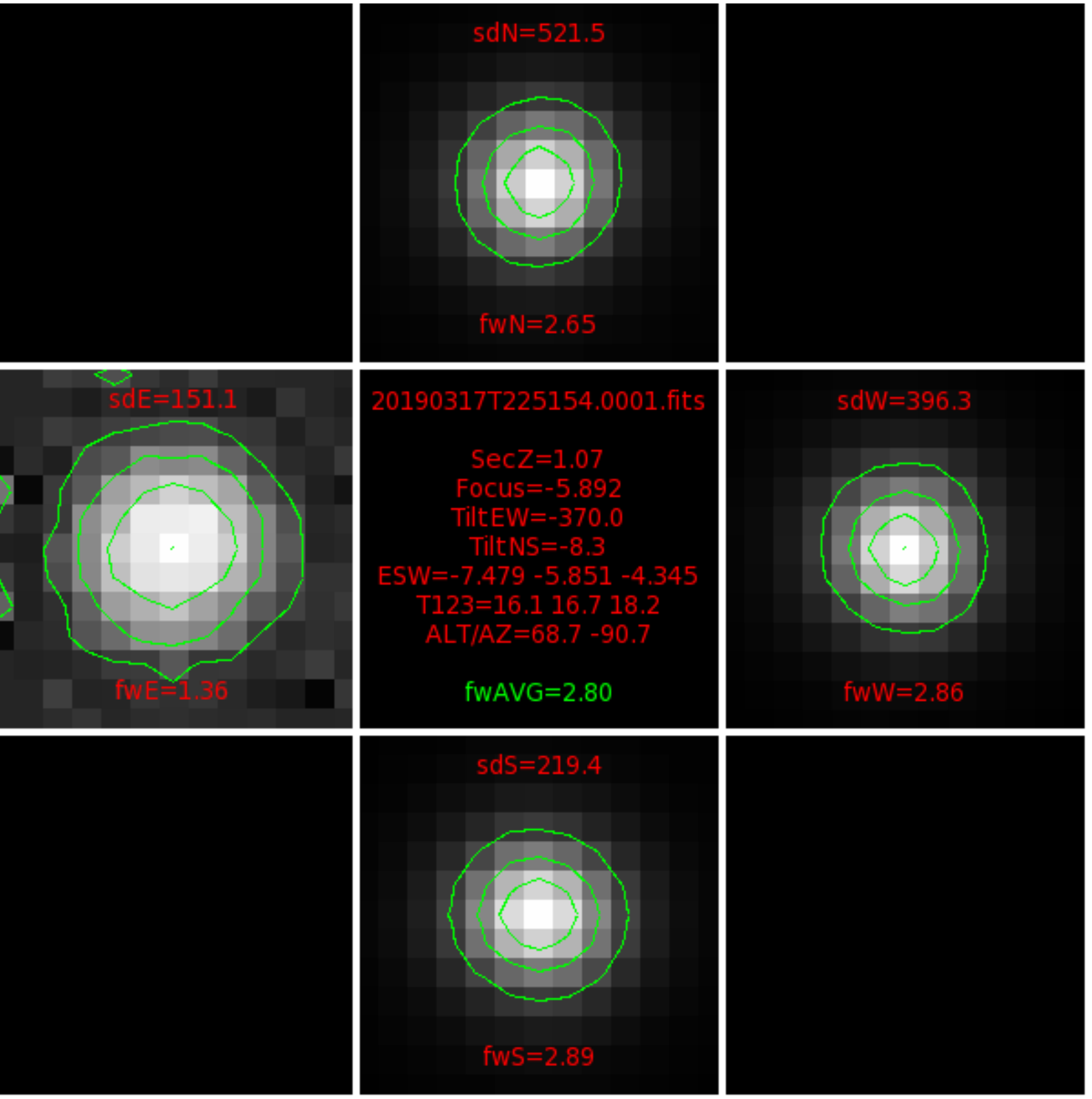
sdN=521.5
fwN=2.65
sdE=151.1
fwE=1.36
20190317T225154.0001.fits
SecZ=1.07
Focus=-5.892
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.479 -5.851 -4.345
T123=16.1 16.7 18.2
ALT/AZ=68.7 -90.7
fwAVG=2.80
sdW=396.3
fwW=2.86
sdS=219.4
fwS=2.89
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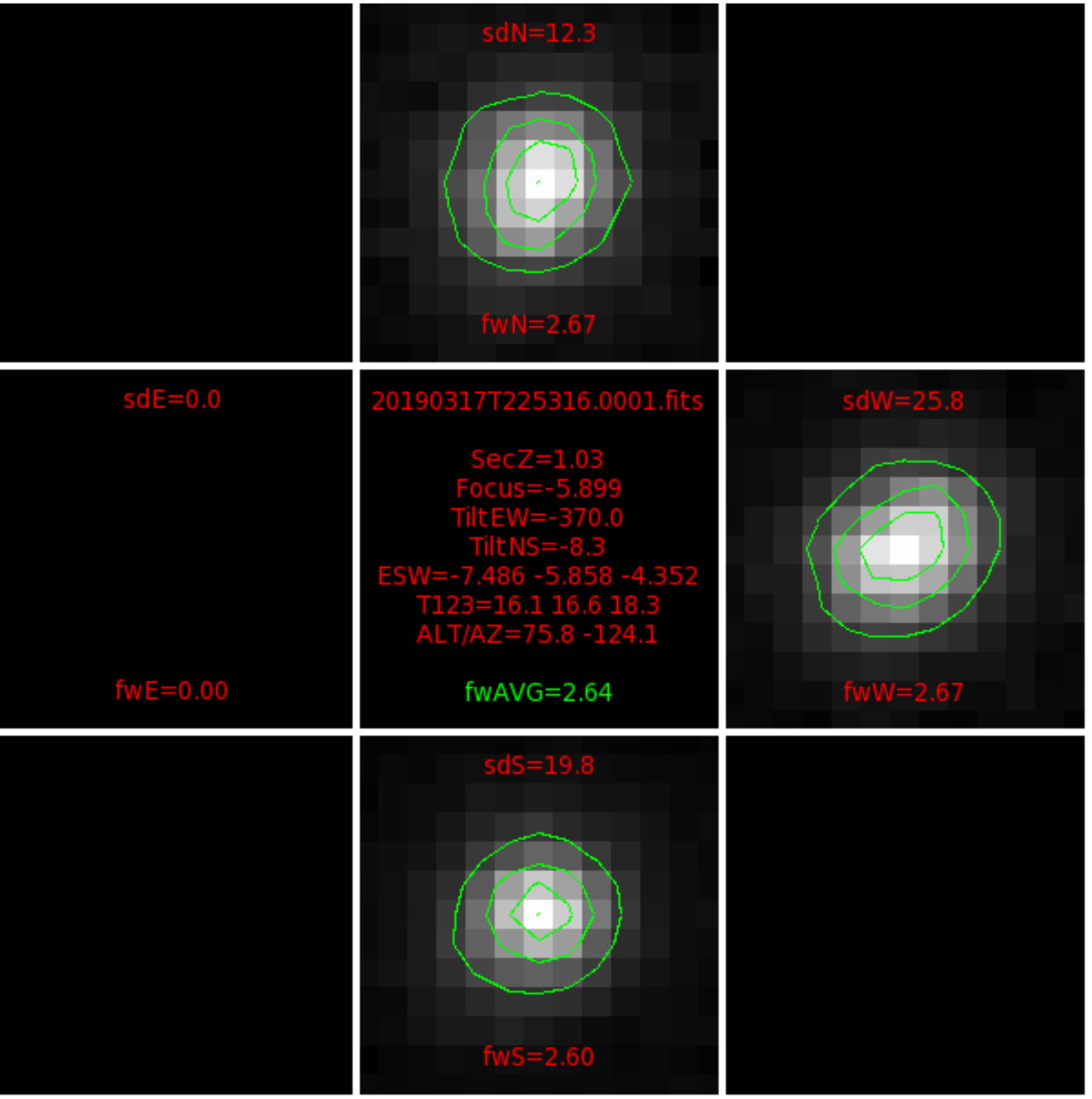
sdN=12.3
fwN=2.67
sdE=0.0
fwE=0.00
20190317T225316.0001.fits
SecZ=1.03
Focus=-5.899
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.486 -5.858 -4.352
T123=16.1 16.6 18.3
ALT/AZ=75.8 -124.1
fwAVG=2.64
sdW=25.8
fwW=2.67
sdS=19.8
fwS=2.60
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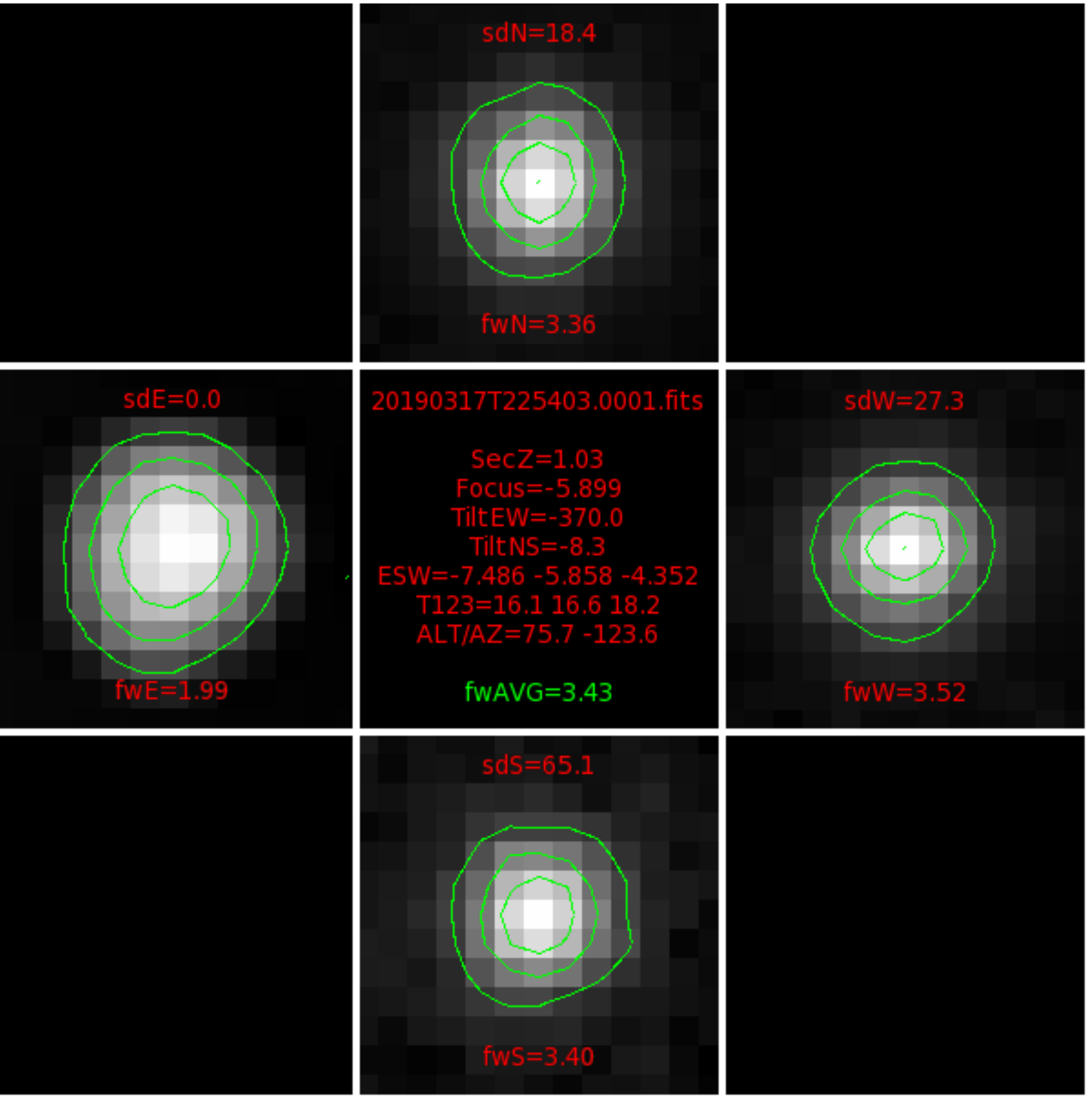
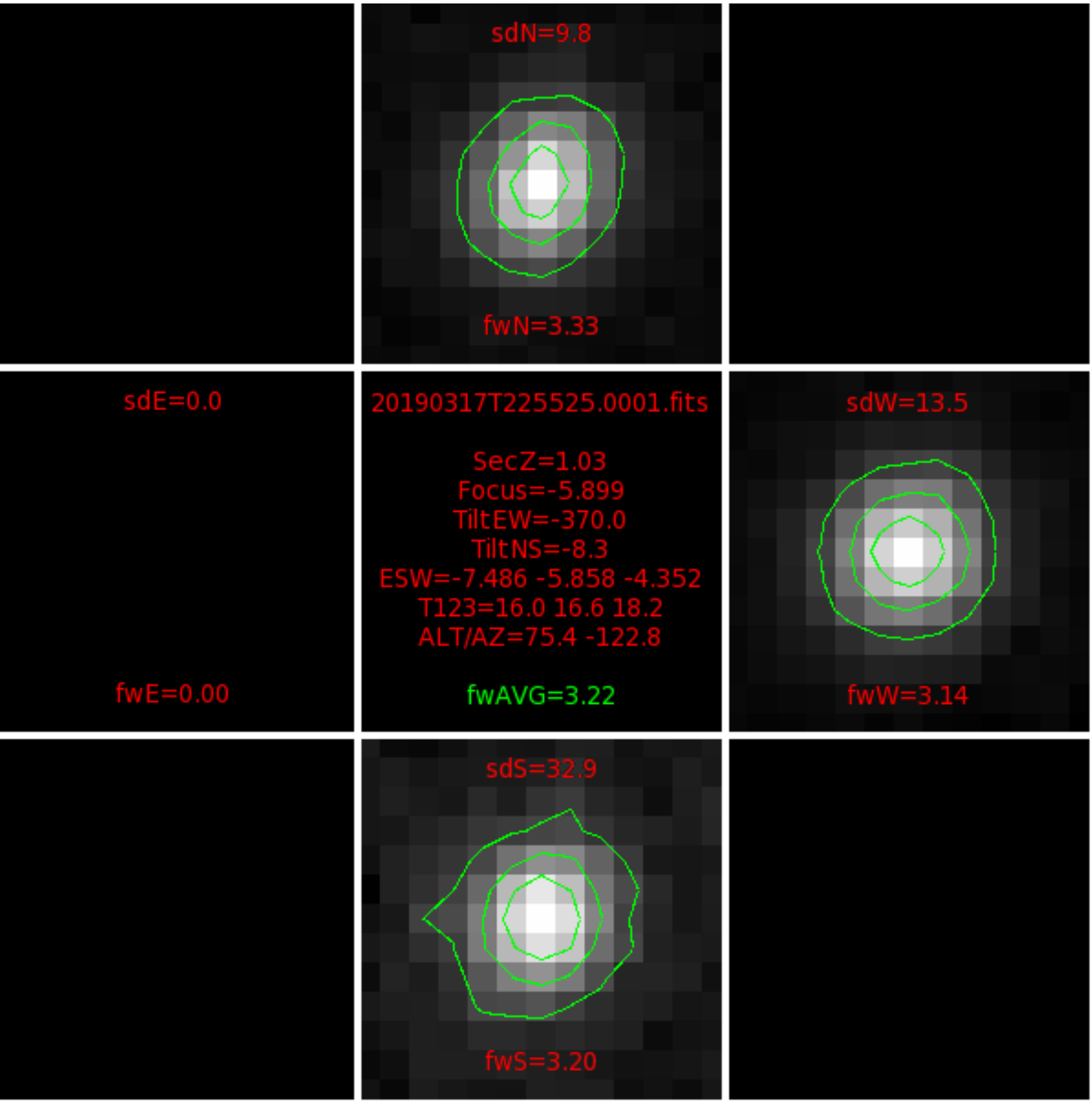
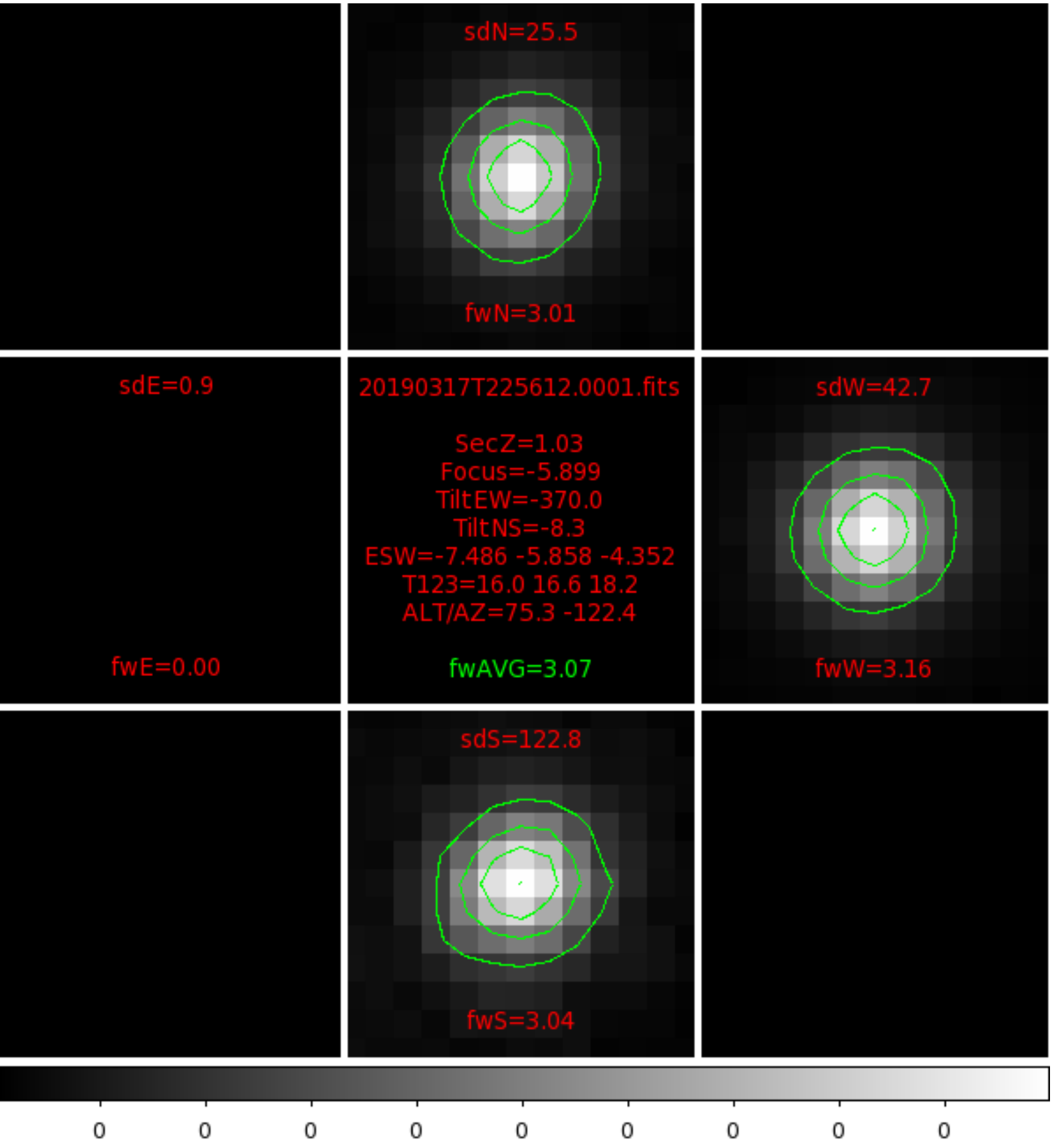

sdN=18.4
fwN=3.36
sdE=0.0
fwE=1.99
20190317T225403.0001.fits
SecZ=1.03
Focus=-5.899
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.486 -5.858 -4.352
T123=16.1 16.6 18.2
ALT/AZ=75.7 -123.6
fwAVG=3.43
sdW=27.3
fwW=3.52
sdS=65.1
fwS=3.40
0 0 0 0 0 0 0 0 0


sdN=9.8
fwN=3.33
sdE=0.0
fwE=0.00
20190317T225525.0001.fits
SecZ=1.03
Focus=-5.899
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.486 -5.858 -4.352
T123=16.0 16.6 18.2
ALT/AZ=75.4 -122.8
fwAVG=3.22
sdW=13.5
fwW=3.14
sdS=32.9
fwS=3.20
0 0 0 0 0 0 0 0 0


sdN=25.5
fwN=3.01
sdE=0.9
fwE=0.00
20190317T225612.0001.fits
SecZ=1.03
Focus=-5.899
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.486 -5.858 -4.352
T123=16.0 16.6 18.2
ALT/AZ=75.3 -122.4
fwAVG=3.07
sdW=42.7
fwW=3.16
sdS=122.8
fwS=3.04
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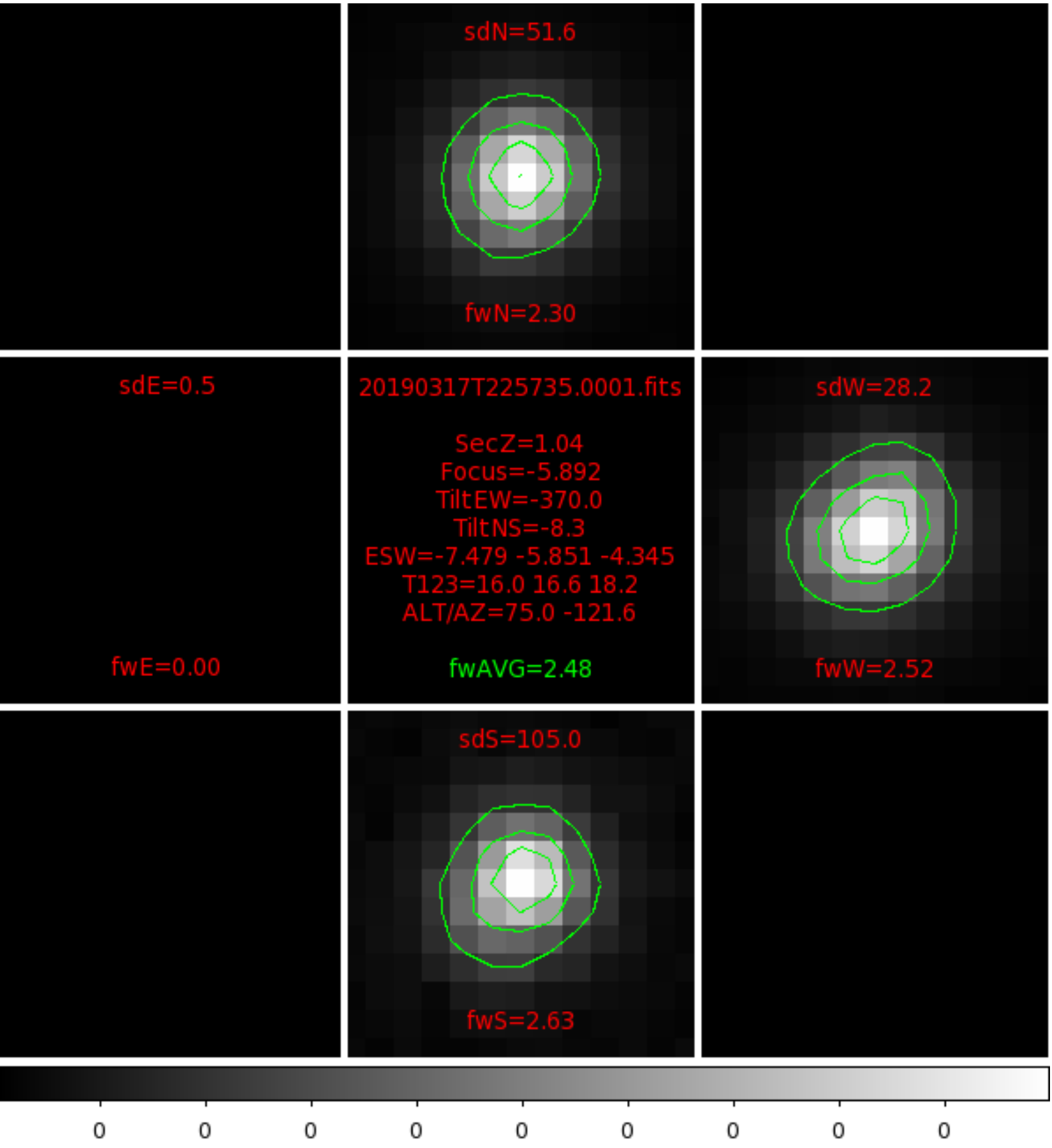
sdN=51.6
fwN=2.30
sdE=0.5
fwE=0.00
20190317T225735.0001.fits
SecZ=1.04
Focus=-5.892
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.479 -5.851 -4.345
T123=16.0 16.6 18.2
ALT/AZ=75.0 -121.6
fwAVG=2.48
sdW=28.2
fwW=2.52
sdS=105.0
fwS=2.63
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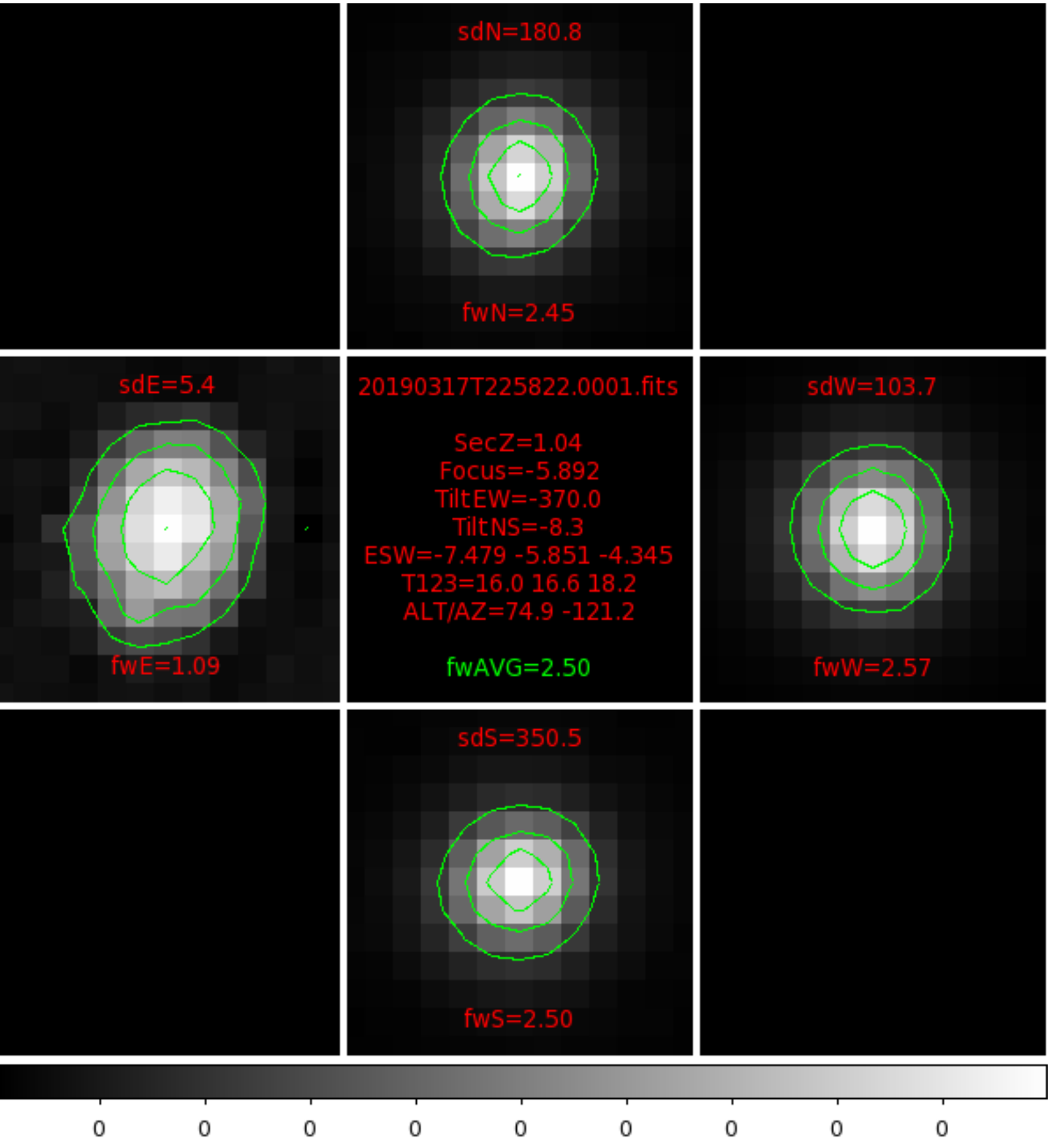
sdN=180.8
fwN=2.45
sdE=5.4
fwE=1.09
20190317T225822.0001.fits
SecZ=1.04
Focus=-5.892
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.479 -5.851 -4.345
T123=16.0 16.6 18.2
ALT/AZ=74.9 -121.2
fwAVG=2.50
sdW=103.7
fwW=2.57
sdS=350.5
fwS=2.50
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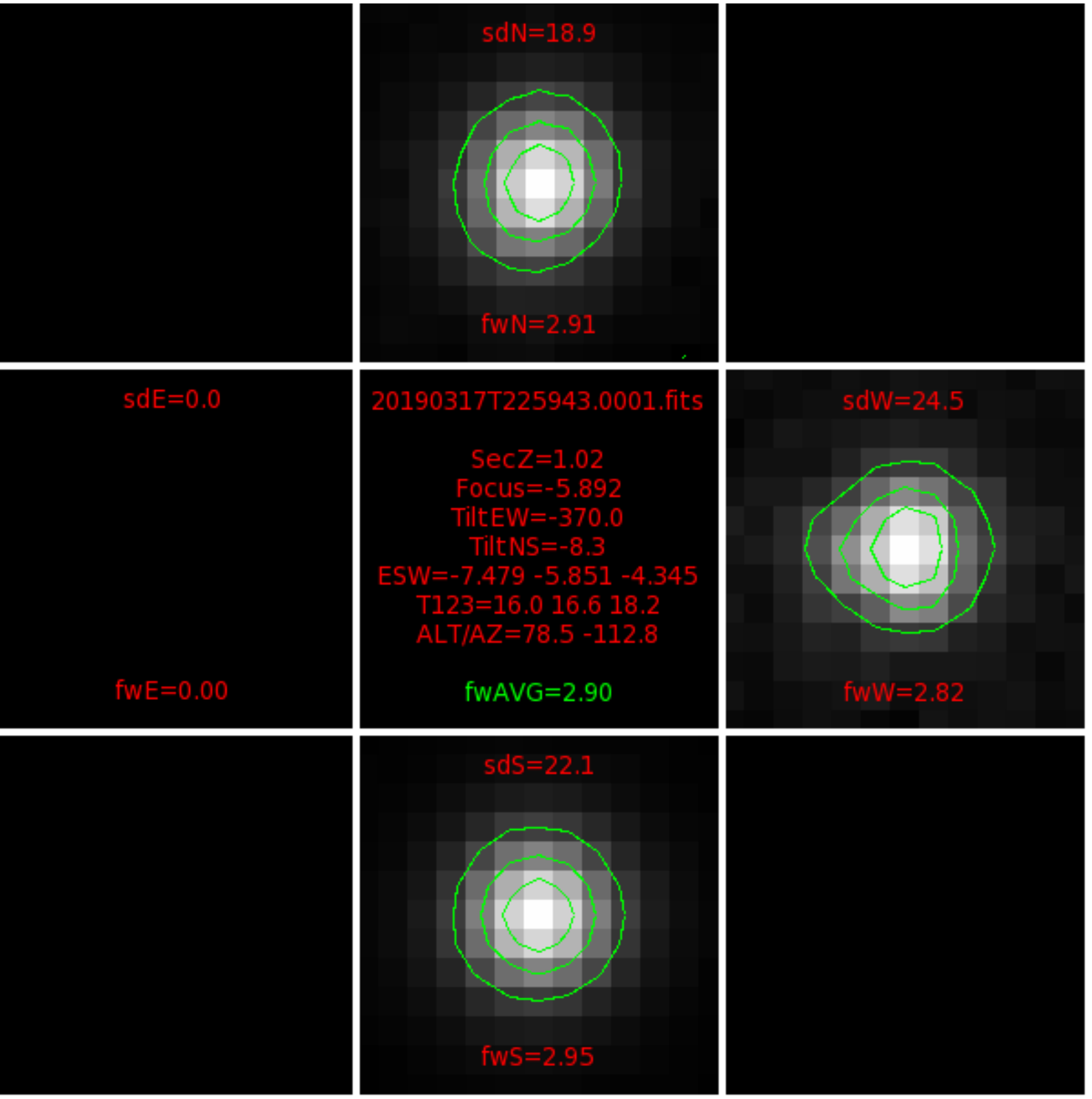
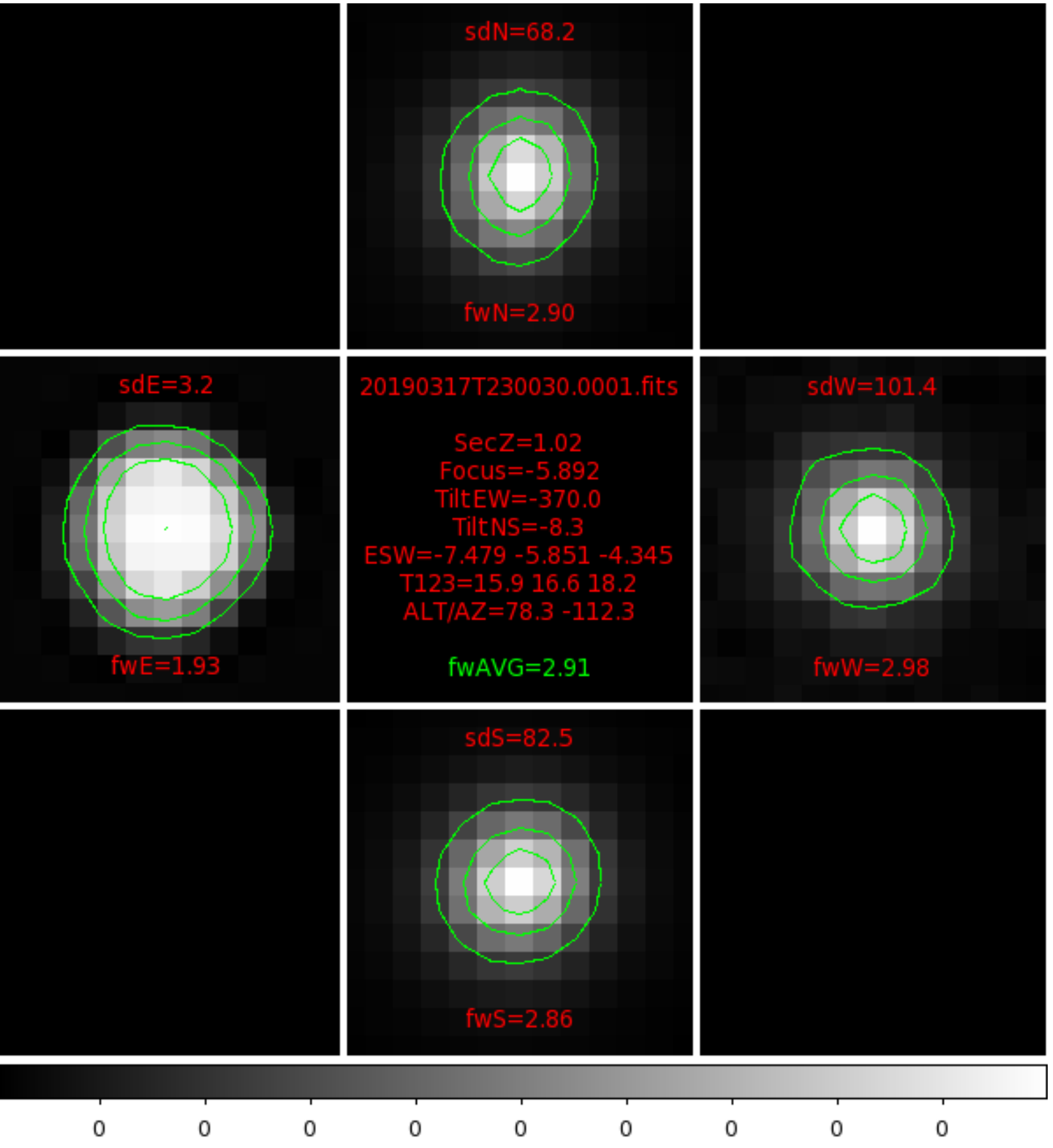
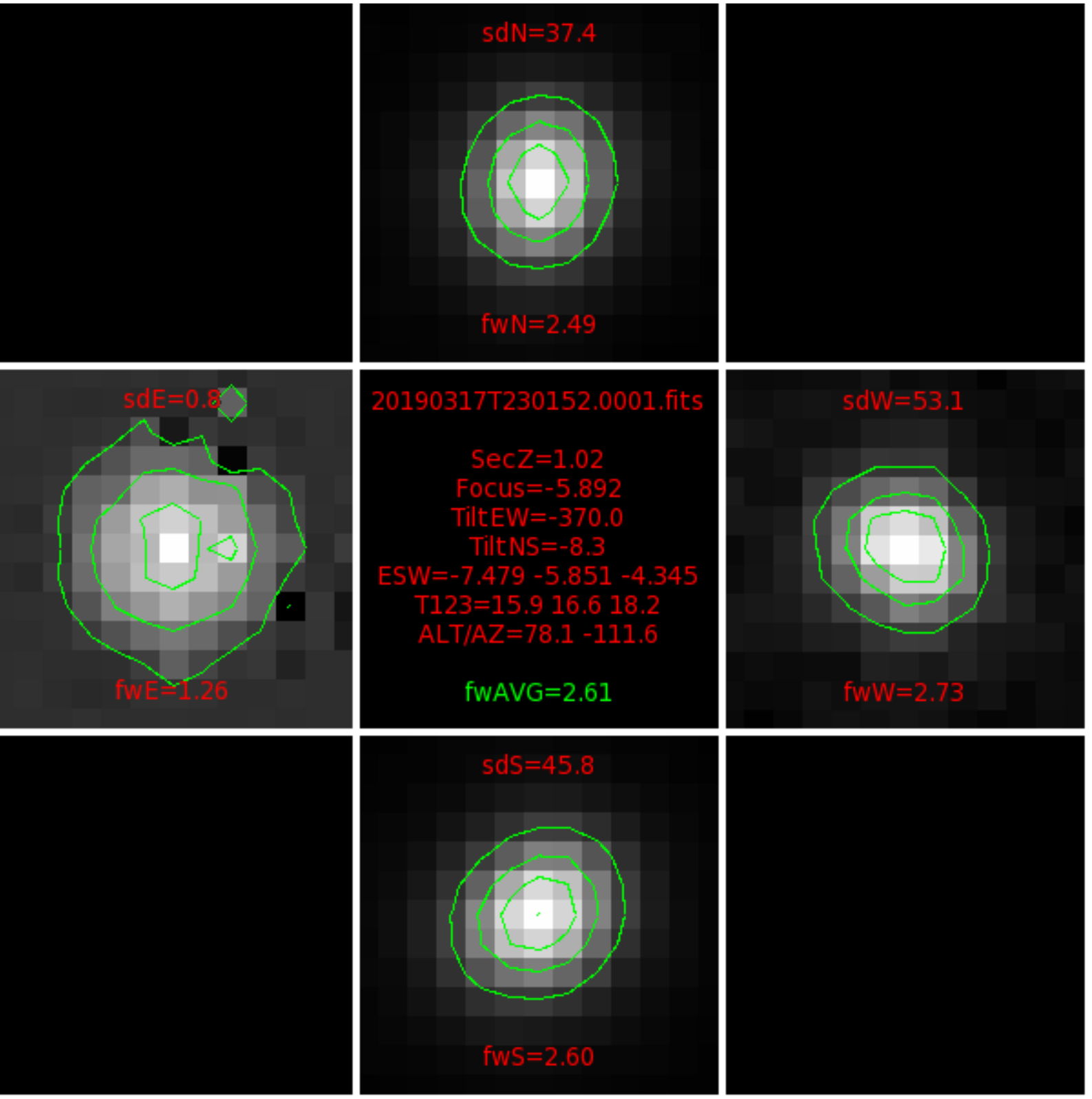

sdN=18.9
fwN=2.91
sdE=0.0
fwE=0.00
20190317T225943.0001.fits
SecZ=1.02
Focus=-5.892
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.479 -5.851 -4.345
T123=16.0 16.6 18.2
ALT/AZ=78.5 -112.8
fwAVG=2.90
sdW=24.5
fwW=2.82
sdS=22.1
fwS=2.95
0 0 0 0 0 0 0 0 0


sdN=68.2
fwN=2.90
sdE=3.2
fwE=1.93
20190317T230030.0001.fits
SecZ=1.02
Focus=-5.892
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.479 -5.851 -4.345
T123=15.9 16.6 18.2
ALT/AZ=78.3 -112.3
fwAVG=2.91
sdW=101.4
fwW=2.98
sdS=82.5
fwS=2.86
0 0 0 0 0 0 0 0 0


sdN=37.4
fwN=2.49
sdE=0.8
fwE=1.26
20190317T230152.0001.fits
SecZ=1.02
Focus=-5.892
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.479 -5.851 -4.345
T123=15.9 16.6 18.2
ALT/AZ=78.1 -111.6
fwAVG=2.61
sdW=53.1
fwW=2.73
sdS=45.8
fwS=2.60
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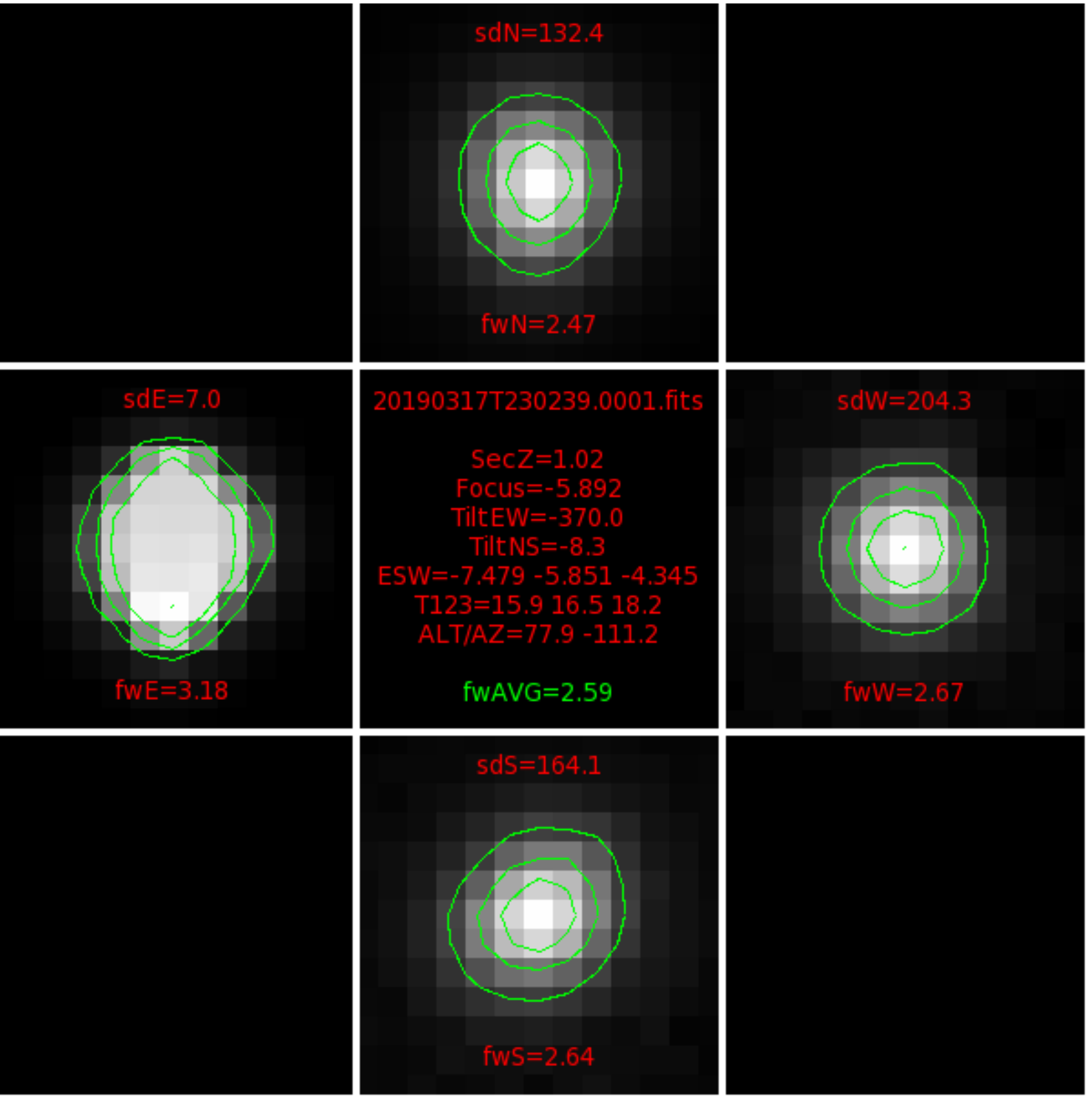
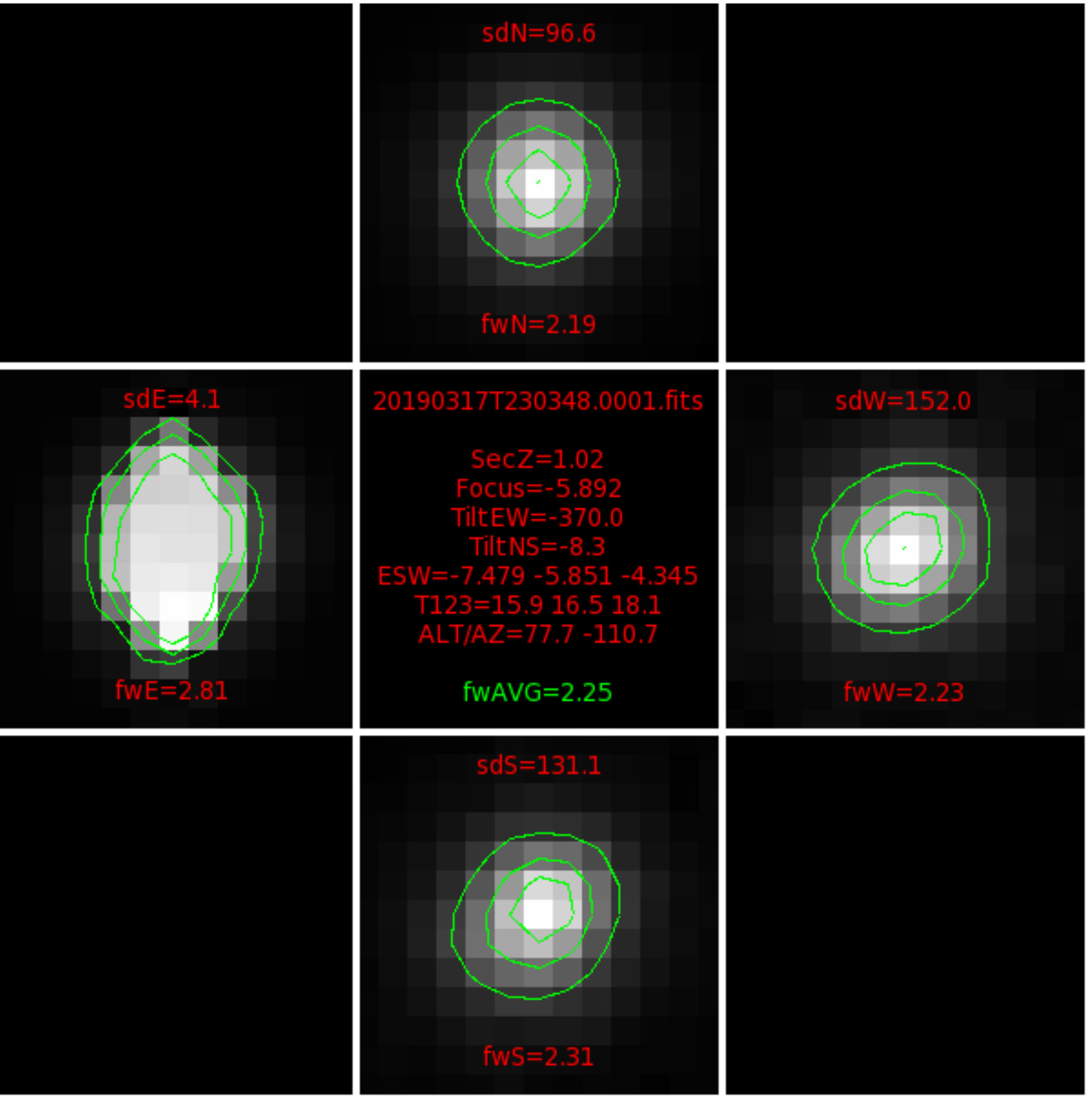
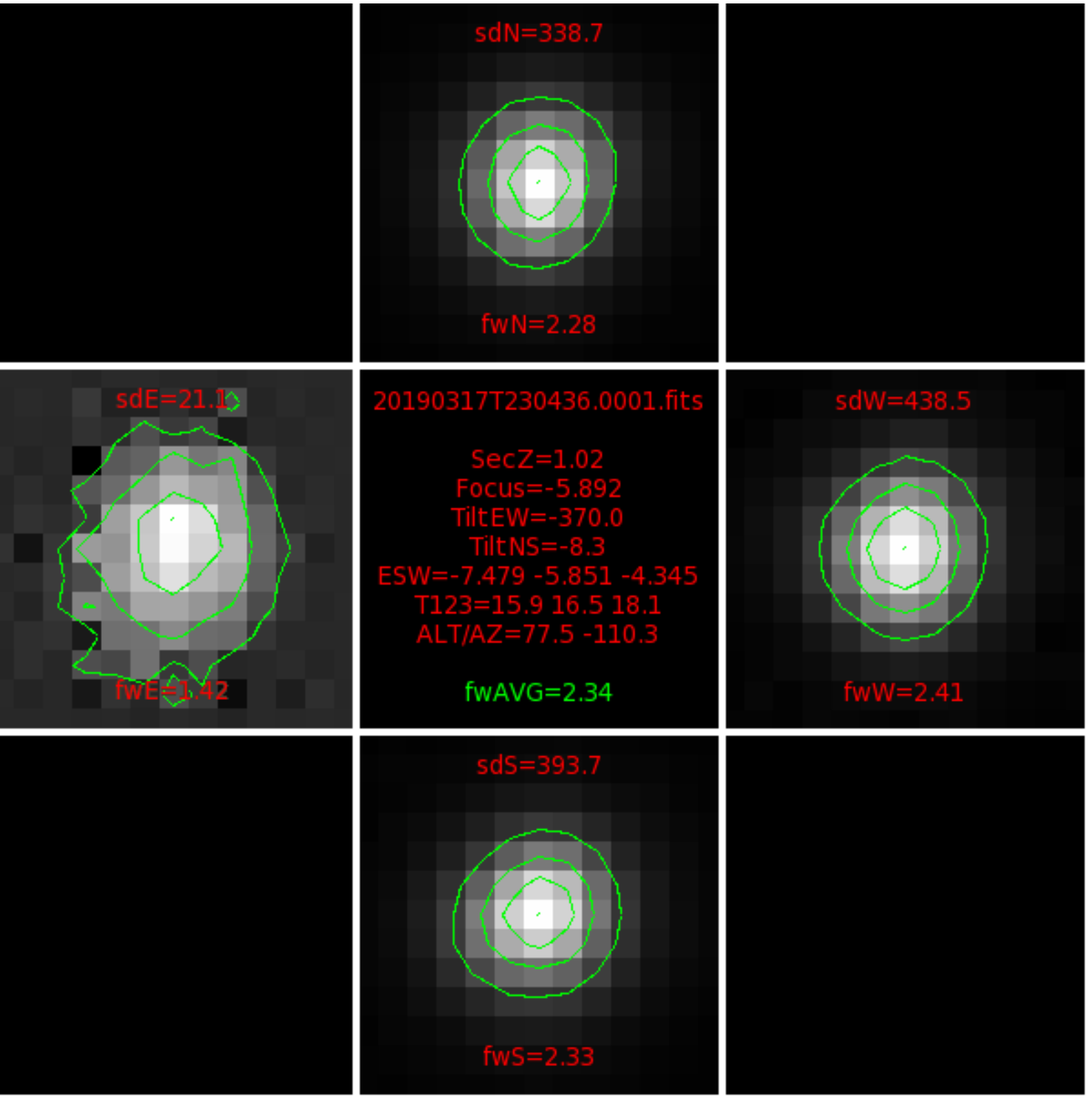
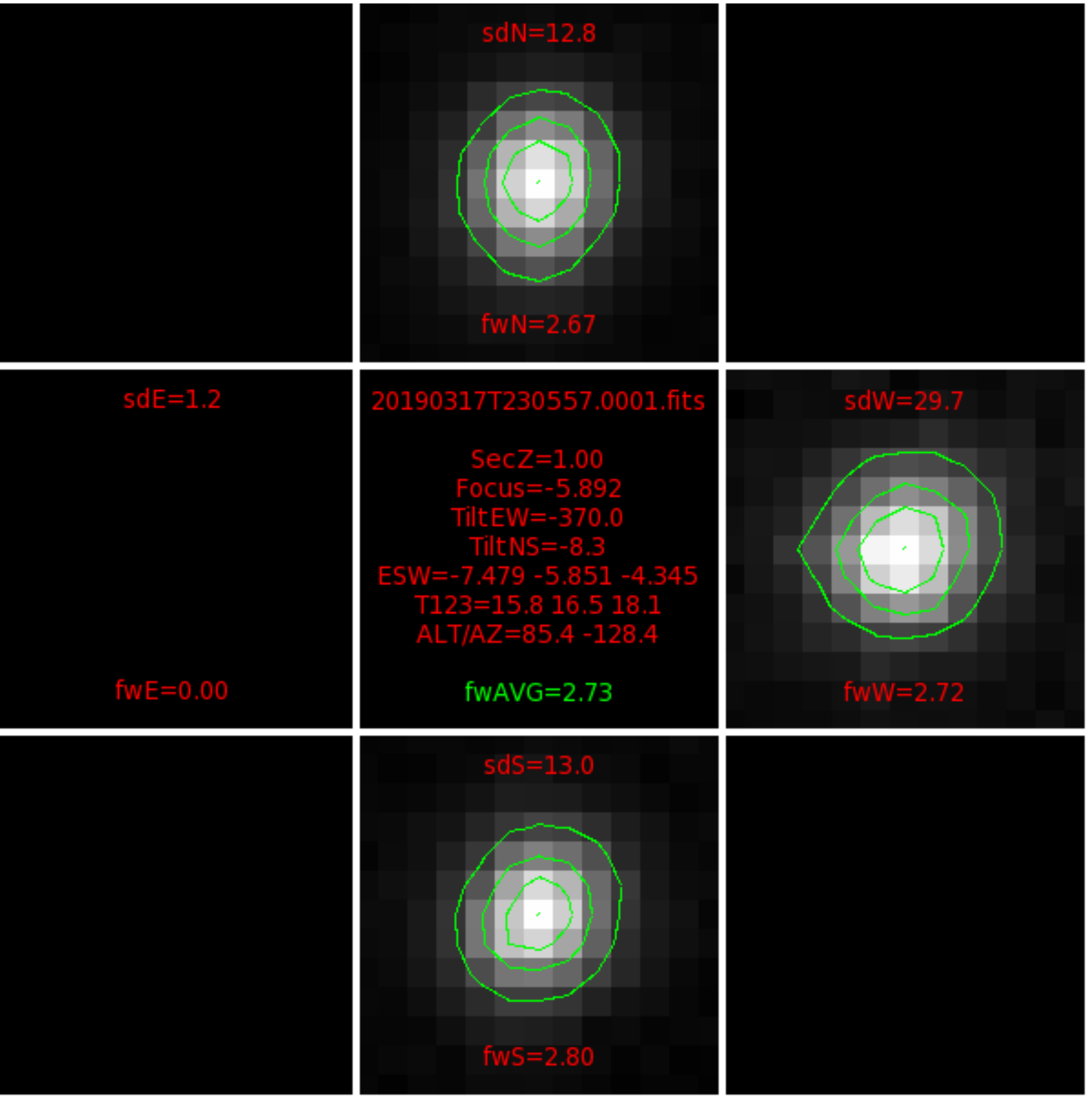
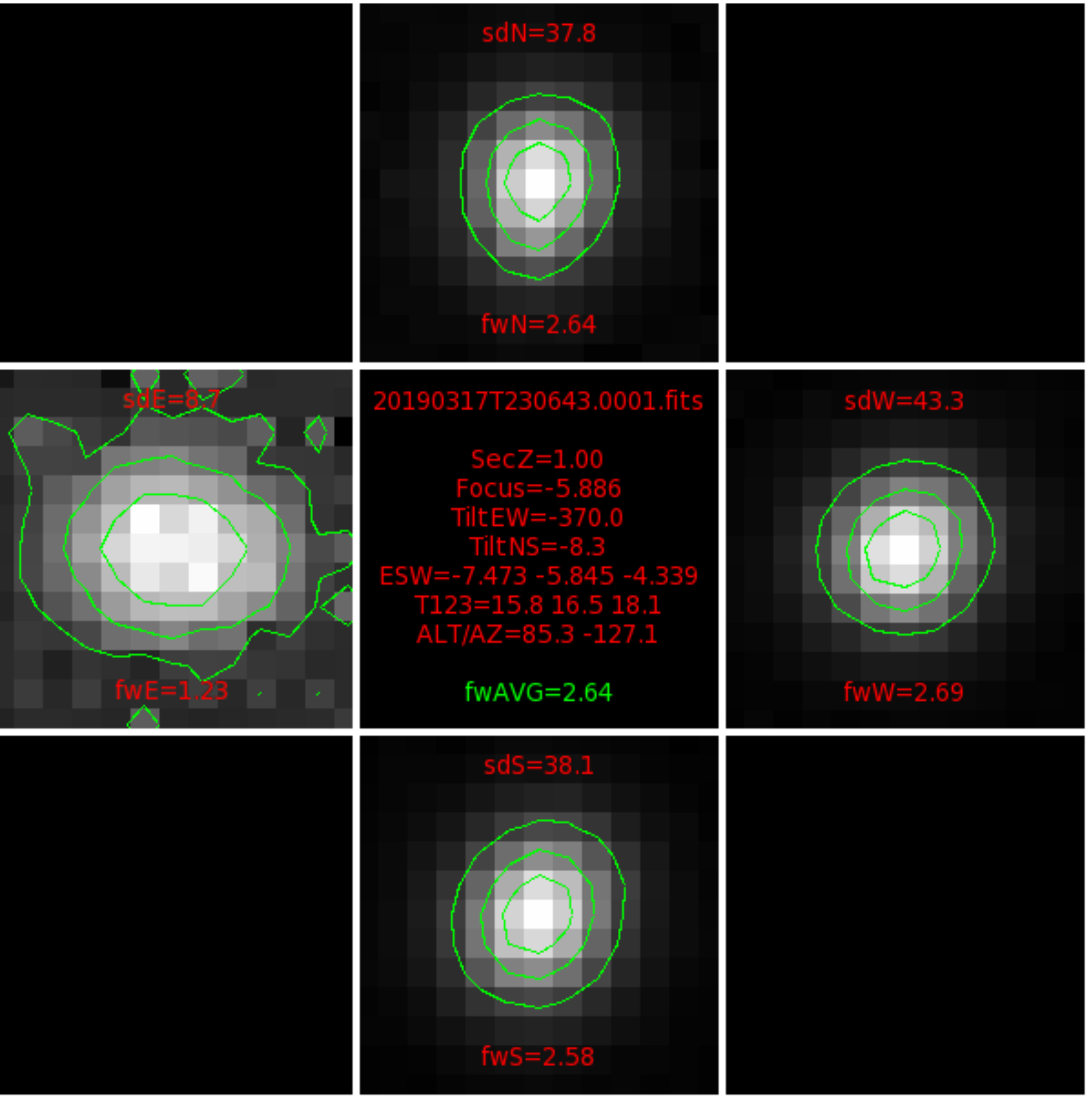

sdN=132.4
fwN=2.47
sdE=7.0
fwE=3.18
20190317T230239.0001.fits
SecZ=1.02
Focus=-5.892
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.479 -5.851 -4.345
T123=15.9 16.5 18.2
ALT/AZ=77.9 -111.2
fwAVG=2.59
sdW=204.3
fwW=2.67
sdS=164.1
fwS=2.64
0 0 0 0 0 0 0 0 0


sdN=96.6
fwN=2.19
sdE=4.1
fwE=2.81
20190317T230348.0001.fits
SecZ=1.02
Focus=-5.892
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.479 -5.851 -4.345
T123=15.9 16.5 18.1
ALT/AZ=77.7 -110.7
fwAVG=2.25
sdW=152.0
fwW=2.23
sdS=131.1
fwS=2.31
0 0 0 0 0 0 0 0 0


sdN=338.7
fwN=2.28
sdE=21.1
fwE=1.42
20190317T230436.0001.fits
SecZ=1.02
Focus=-5.892
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.479 -5.851 -4.345
T123=15.9 16.5 18.1
ALT/AZ=77.5 -110.3
fwAVG=2.34
sdW=438.5
fwW=2.41
sdS=393.7
fwS=2.33
0 0 0 0 0 0 0 0 0


sdN=12.8
fwN=2.67
sdE=1.2
fwE=0.00
20190317T230557.0001.fits
SecZ=1.00
Focus=-5.892
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.479 -5.851 -4.345
T123=15.8 16.5 18.1
ALT/AZ=85.4 -128.4
fwAVG=2.73
sdW=29.7
fwW=2.72
sdS=13.0
fwS=2.80
0 0 0 0 0 0 0 0 0


sdN=37.8
fwN=2.64
sdE=8.7
fwE=1.23
20190317T230643.0001.fits
SecZ=1.00
Focus=-5.886
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.473 -5.845 -4.339
T123=15.8 16.5 18.1
ALT/AZ=85.3 -127.1
fwAVG=2.64
sdW=43.3
fwW=2.69
sdS=38.1
fwS=2.58
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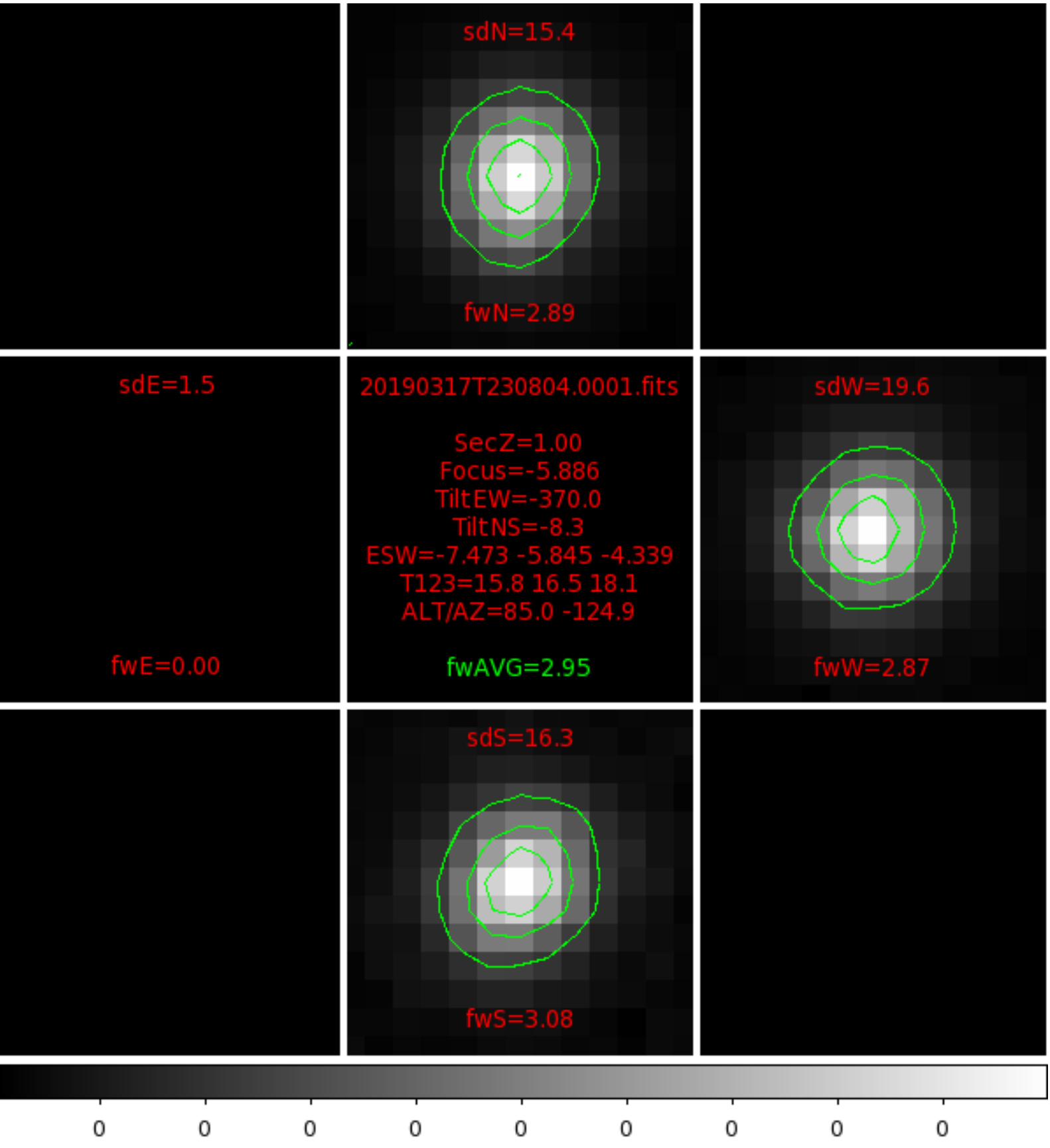
sdN=15.4
fwN=2.89
sdE=1.5
fwE=0.00
20190317T230804.0001.fits
SecZ=1.00
Focus=-5.886
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.473 -5.845 -4.339
T123=15.8 16.5 18.1
ALT/AZ=85.0 -124.9
fwAVG=2.95
sdW=19.6
fwW=2.87
sdS=16.3
fwS=3.08
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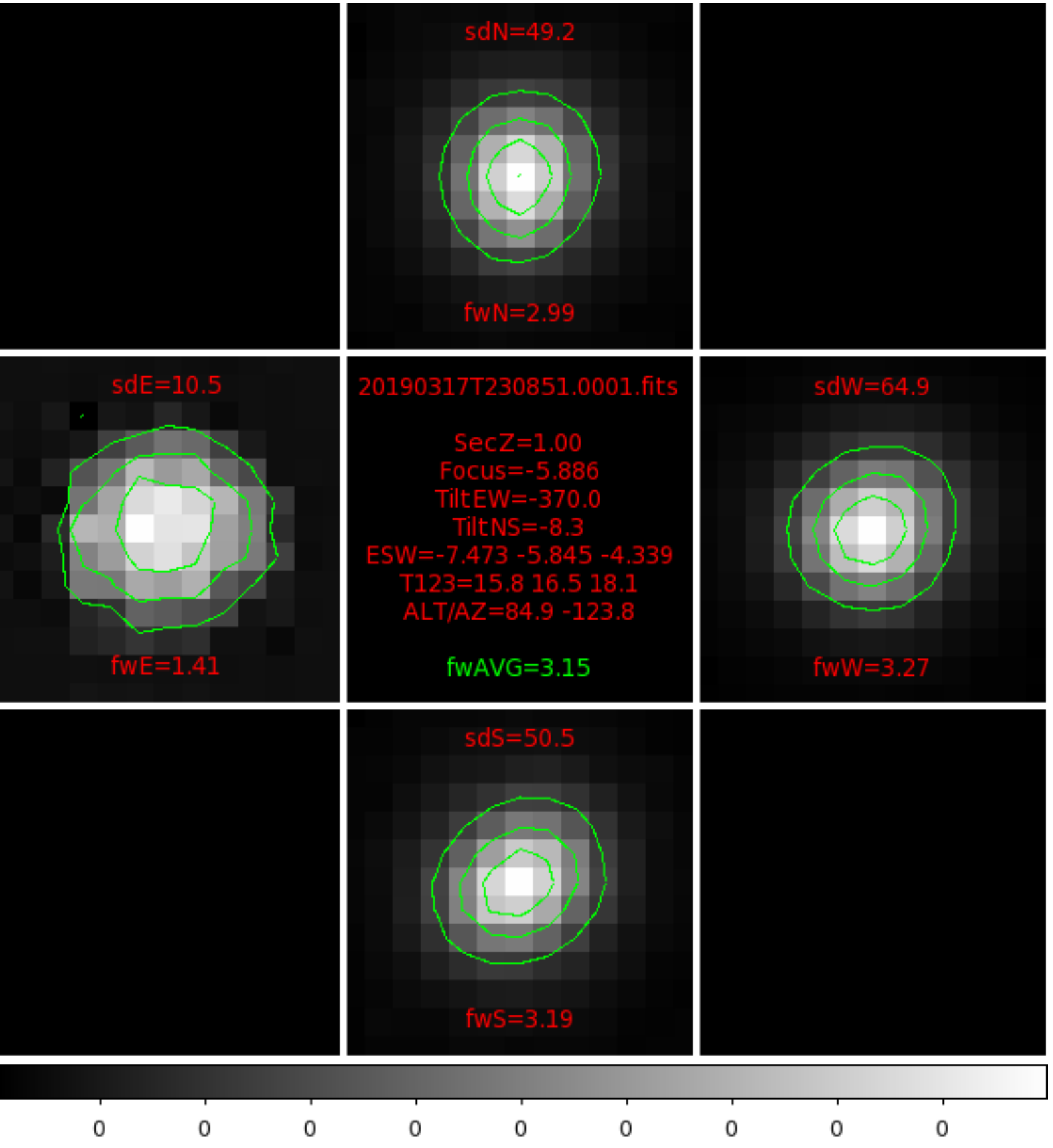
sdN=49.2
fwN=2.99
sdE=10.5
fwE=1.41
20190317T230851.0001.fits
SecZ=1.00
Focus=-5.886
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.473 -5.845 -4.339
T123=15.8 16.5 18.1
ALT/AZ=84.9 -123.8
fwAVG=3.15
sdW=64.9
fwW=3.27
sdS=50.5
fwS=3.19
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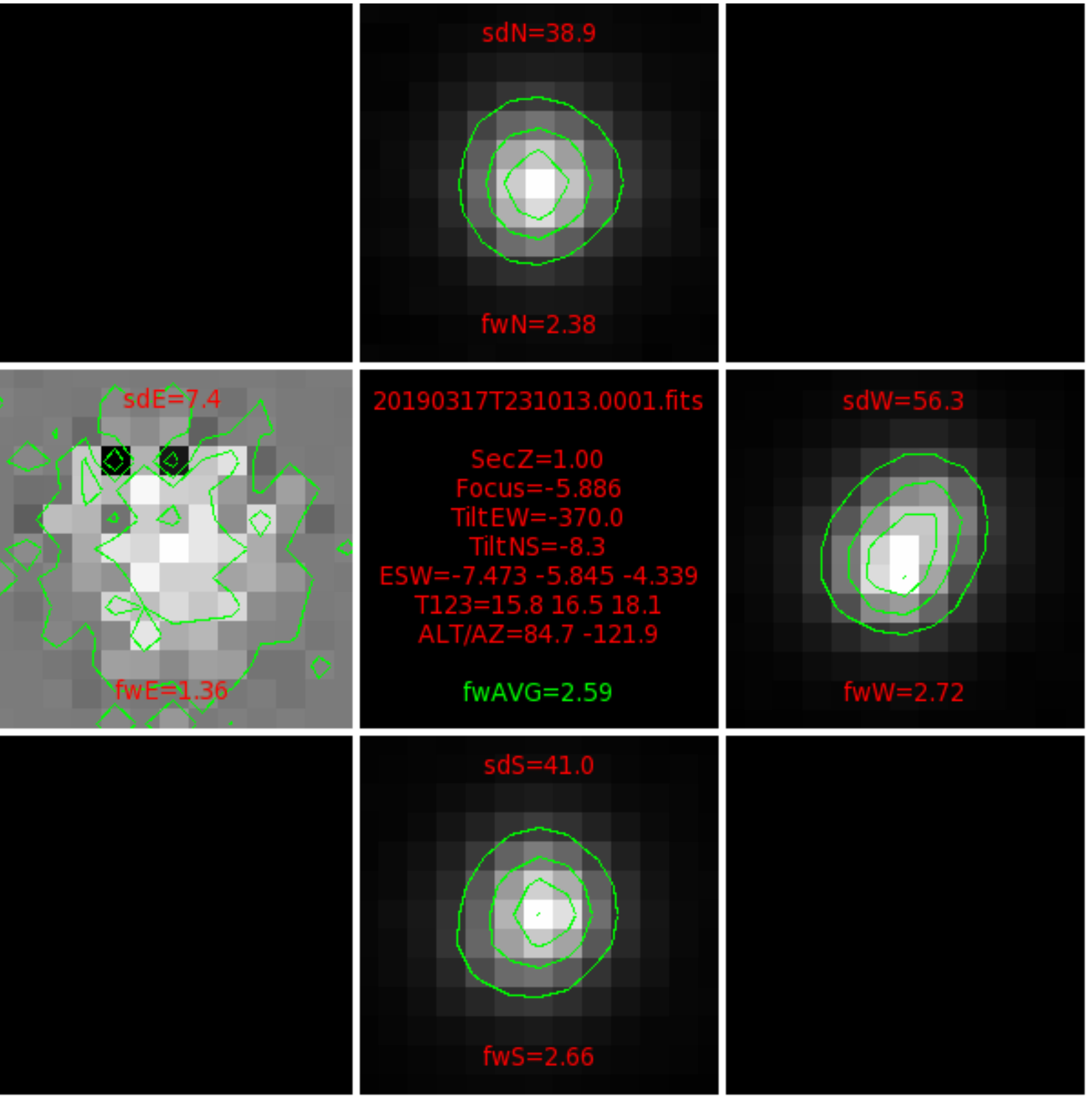
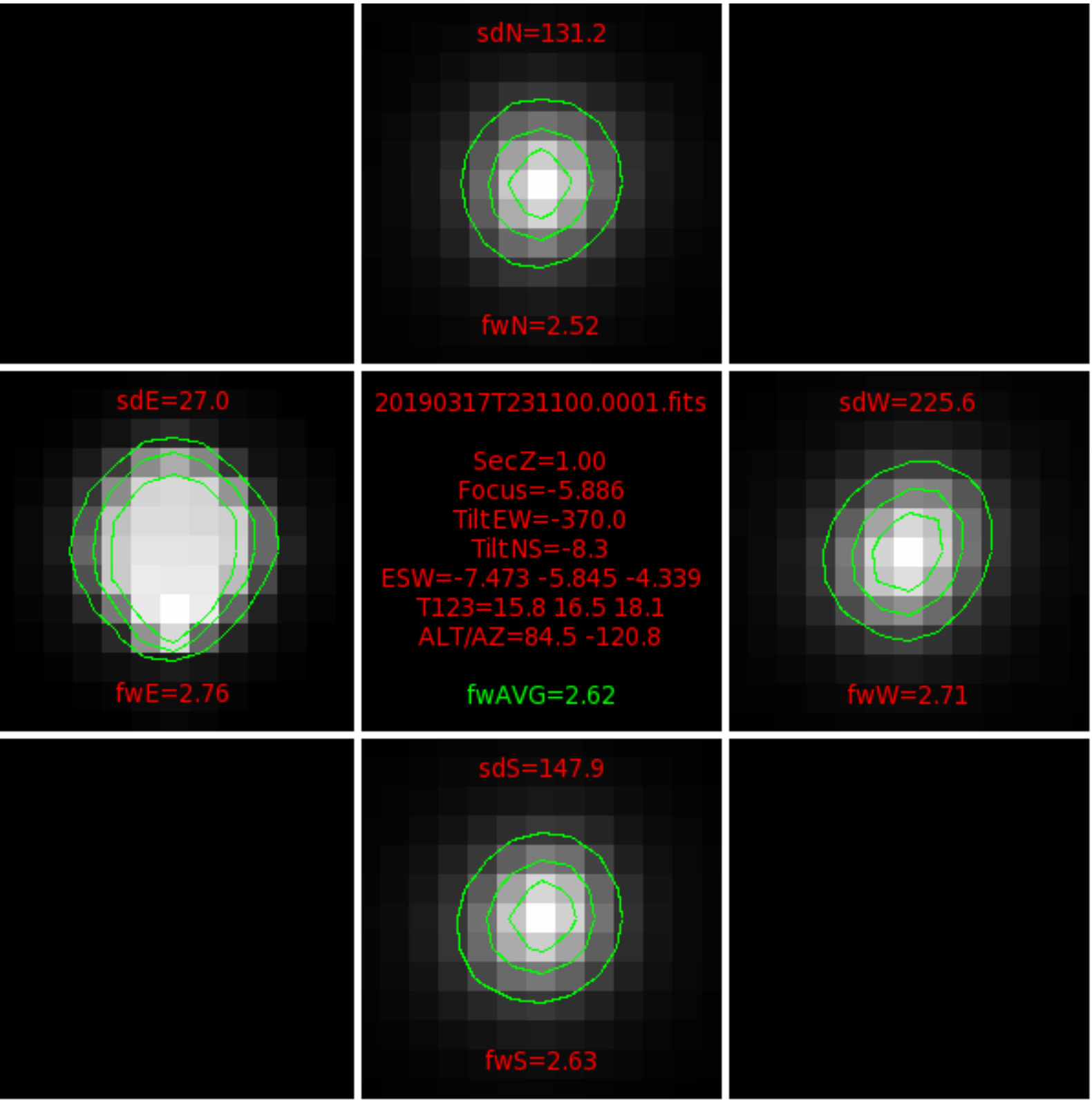

sdN=38.9
fwN=2.38
sdE=7.4
fwE=1.36
20190317T231013.0001.fits
SecZ=1.00
Focus=-5.886
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.473 -5.845 -4.339
T123=15.8 16.5 18.1
ALT/AZ=84.7 -121.9
fwAVG=2.59
sdW=56.3
fwW=2.72
sdS=41.0
fwS=2.66
0 0 0 0 0 0 0 0 0


sdN=131.2
fwN=2.52
sdE=27.0
fwE=2.76
20190317T231100.0001.fits
SecZ=1.00
Focus=-5.886
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.473 -5.845 -4.339
T123=15.8 16.5 18.1
ALT/AZ=84.5 -120.8
fwAVG=2.62
sdW=225.6
fwW=2.71
sdS=147.9
fwS=2.63
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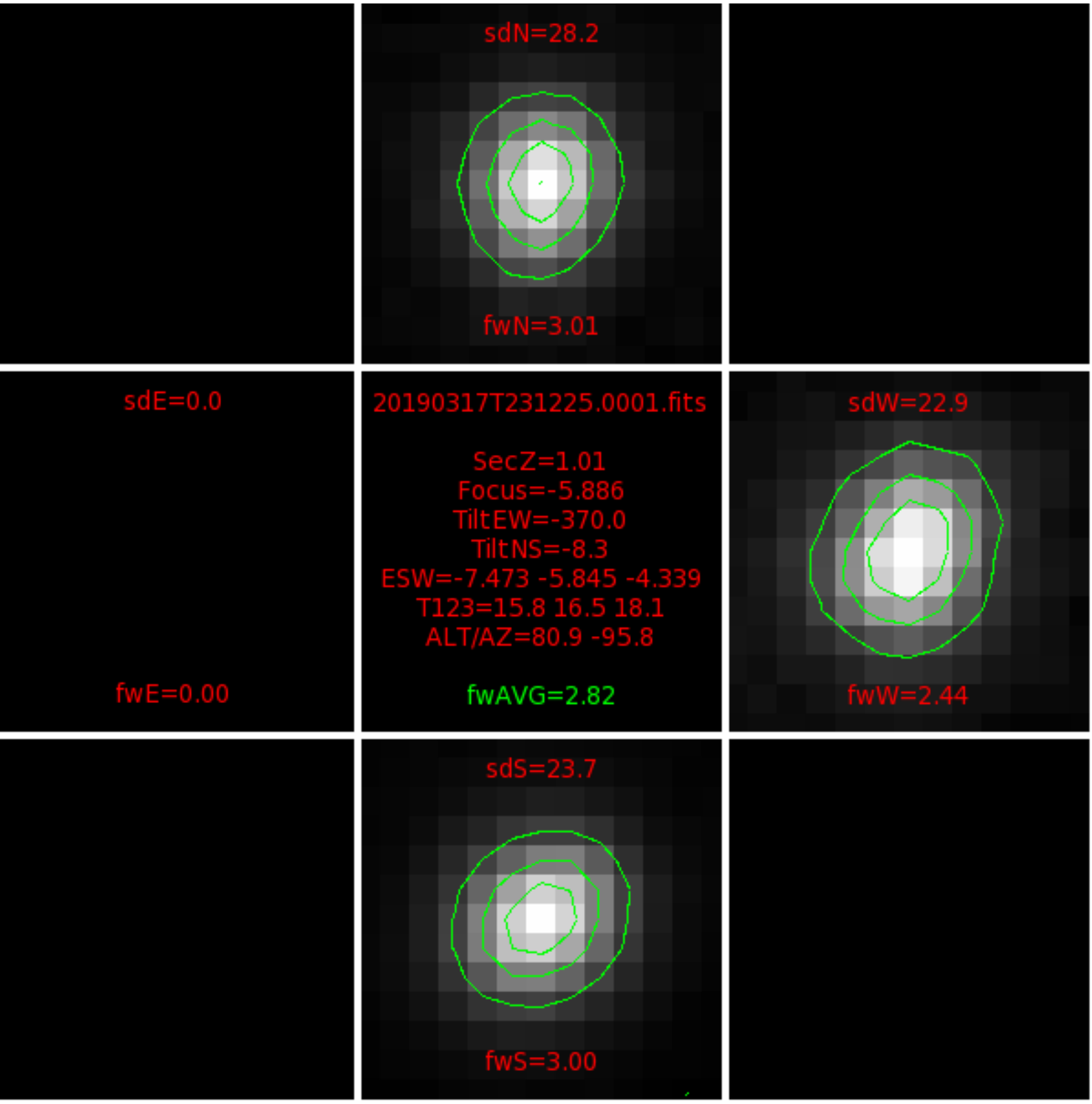
sdN=28.2
fwN=3.01
sdE=0.0
fwE=0.00
20190317T231225.0001.fits
SecZ=1.01
Focus=-5.886
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.473 -5.845 -4.339
T123=15.8 16.5 18.1
ALT/AZ=80.9 -95.8
fwAVG=2.82
sdW=22.9
fwW=2.44
sdS=23.7
fwS=3.00
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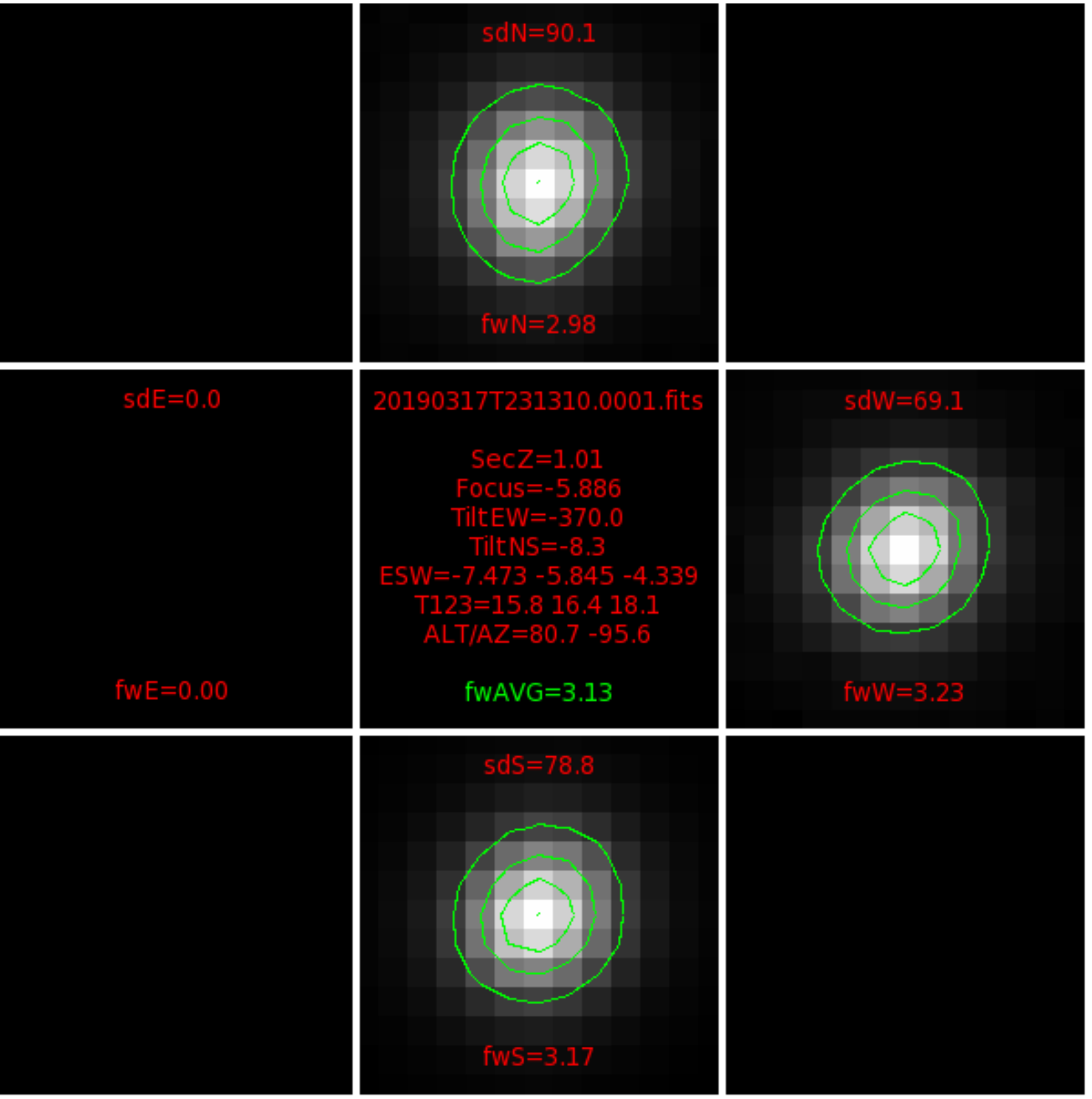
sdN=90.1
fwN=2.98
sdE=0.0
fwE=0.00
20190317T231310.0001.fits
SecZ=1.01
Focus=-5.886
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.473 -5.845 -4.339
T123=15.8 16.4 18.1
ALT/AZ=80.7 -95.6
fwAVG=3.13
sdW=69.1
fwW=3.23
sdS=78.8
fwS=3.17
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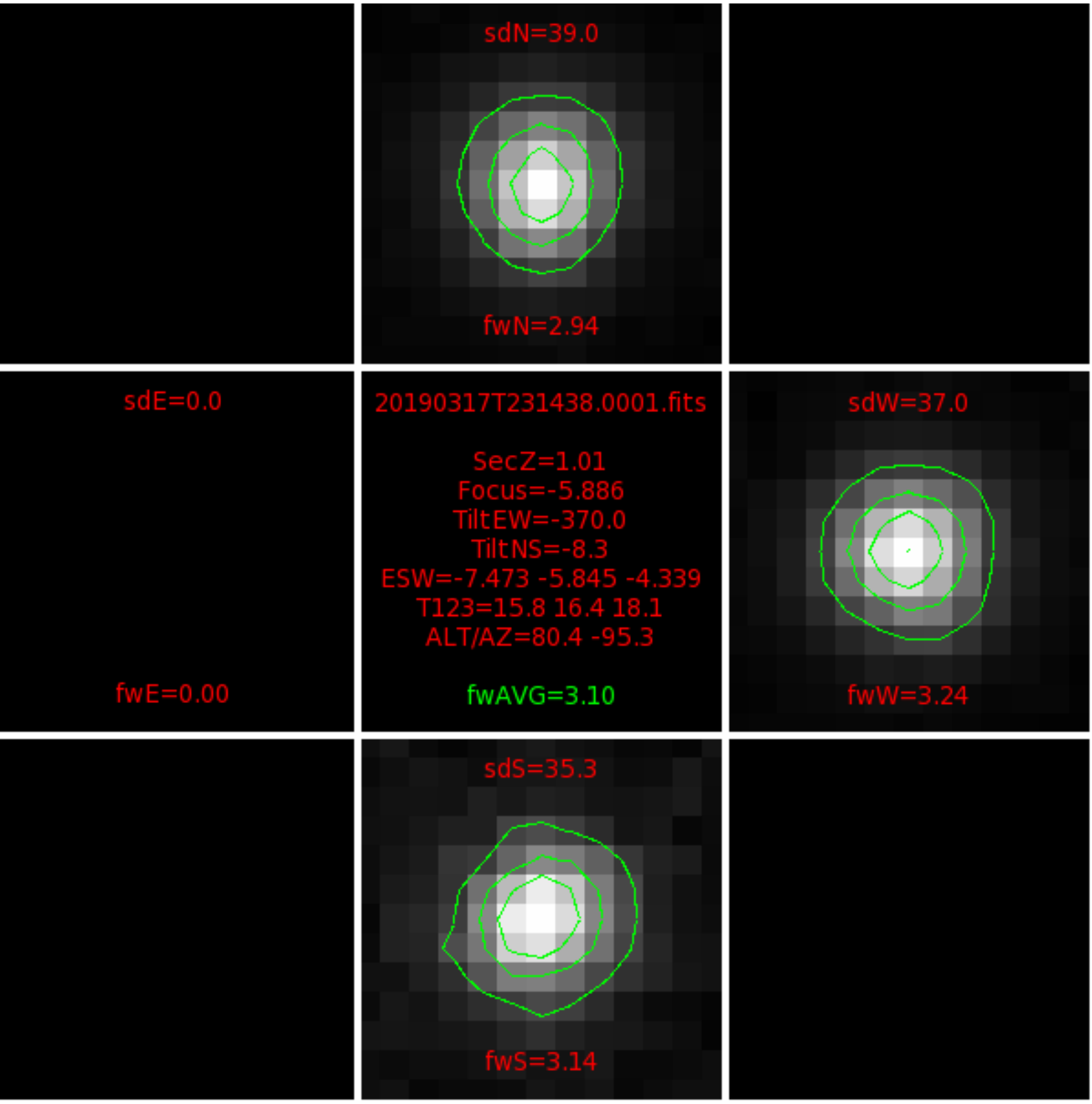
sdN=39.0
fwN=2.94
sdE=0.0
fwE=0.00
20190317T231438.0001.fits
SecZ=1.01
Focus=-5.886
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.473 -5.845 -4.339
T123=15.8 16.4 18.1
ALT/AZ=80.4 -95.3
fwAVG=3.10
sdW=37.0
fwW=3.24
sdS=35.3
fwS=3.14
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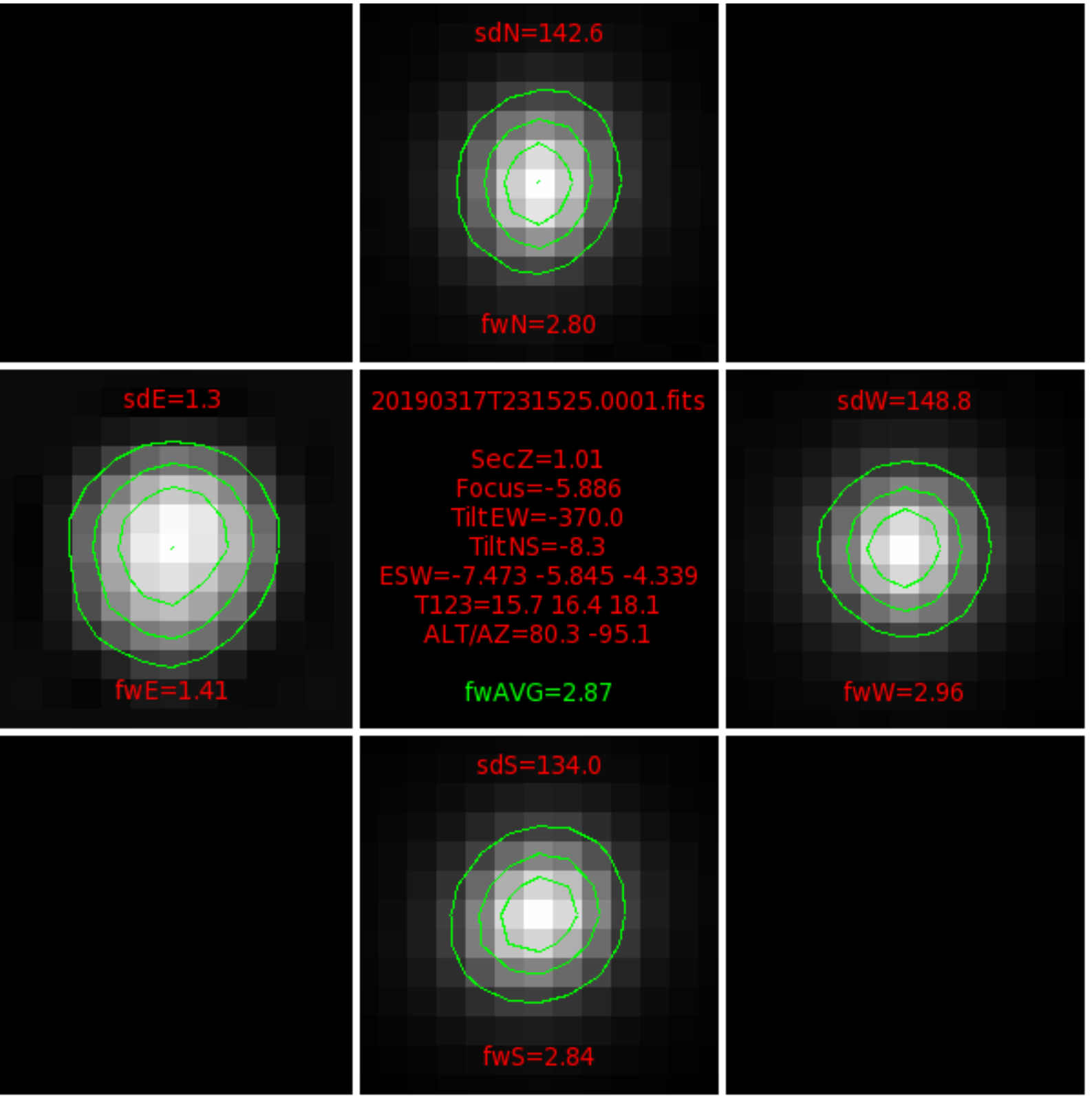
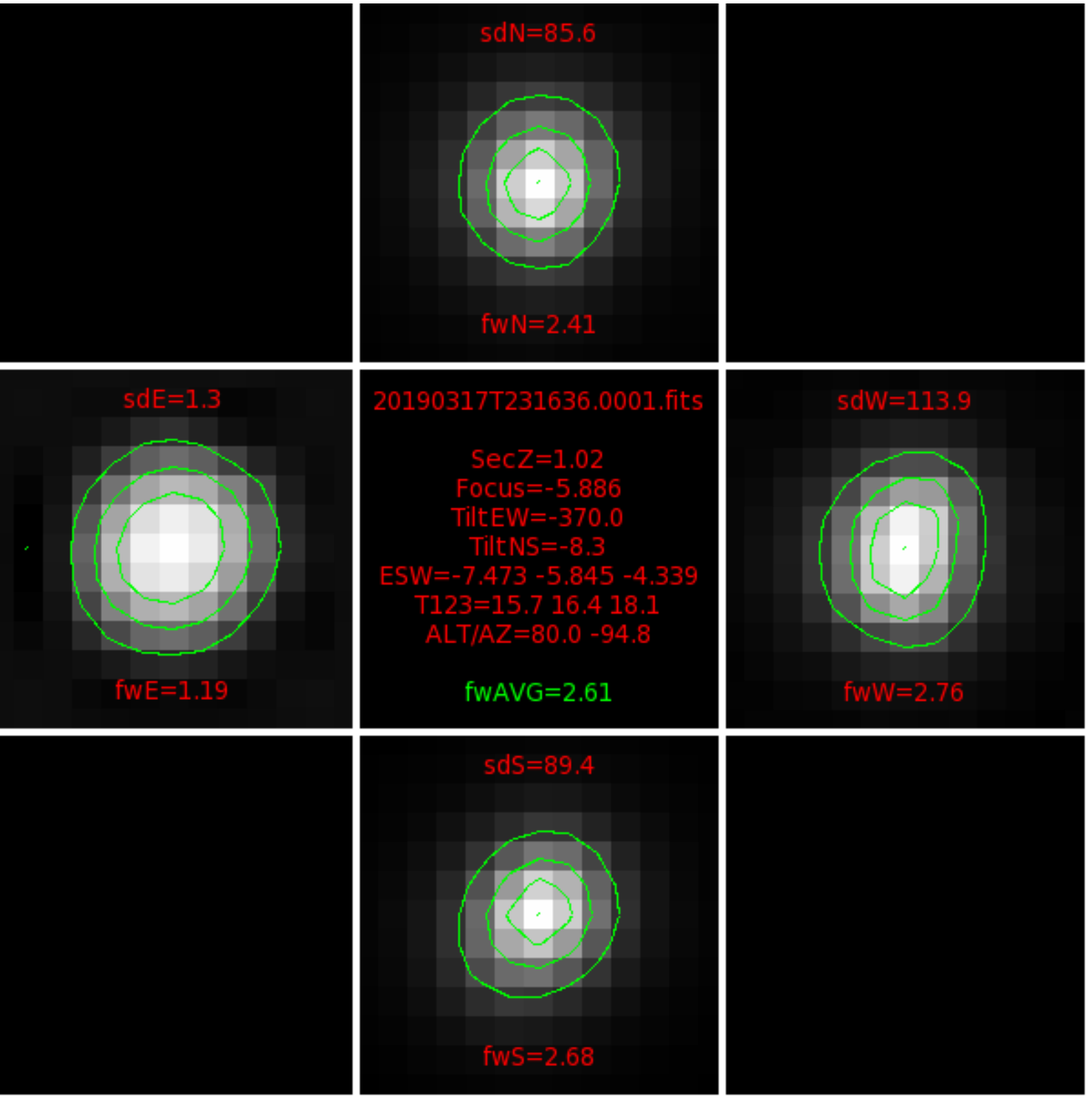

sdN=142.6
fwN=2.80
sdE=1.3
fwE=1.41
20190317T231525.0001.fits
SecZ=1.01
Focus=-5.886
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.473 -5.845 -4.339
T123=15.7 16.4 18.1
ALT/AZ=80.3 -95.1
fwAVG=2.87
sdW=148.8
fwW=2.96
sdS=134.0
fwS=2.84
0 0 0 0 0 0 0 0 0


sdN=85.6
fwN=2.41
sdE=1.3
fwE=1.19
20190317T231636.0001.fits
SecZ=1.02
Focus=-5.886
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.473 -5.845 -4.339
T123=15.7 16.4 18.1
ALT/AZ=80.0 -94.8
fwAVG=2.61
sdW=113.9
fwW=2.76
sdS=89.4
fwS=2.68
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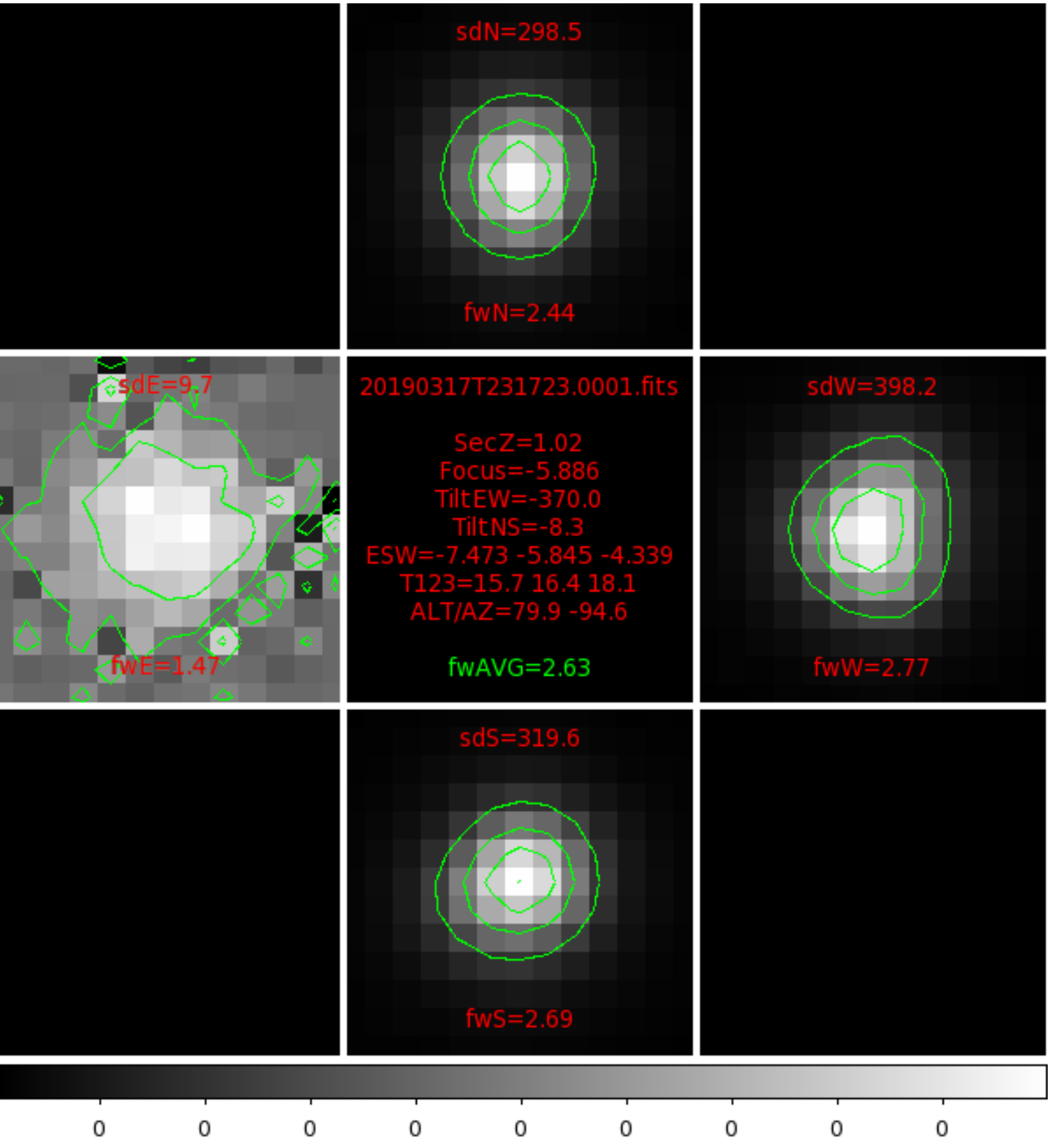
sdN=298.5
fwN=2.44
sdE=9.7
fwE=1.47
20190317T231723.0001.fits
SecZ=1.02
Focus=-5.886
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.473 -5.845 -4.339
T123=15.7 16.4 18.1
ALT/AZ=79.9 -94.6
fwAVG=2.63
sdW=398.2
fwW=2.77
sdS=319.6
fwS=2.69
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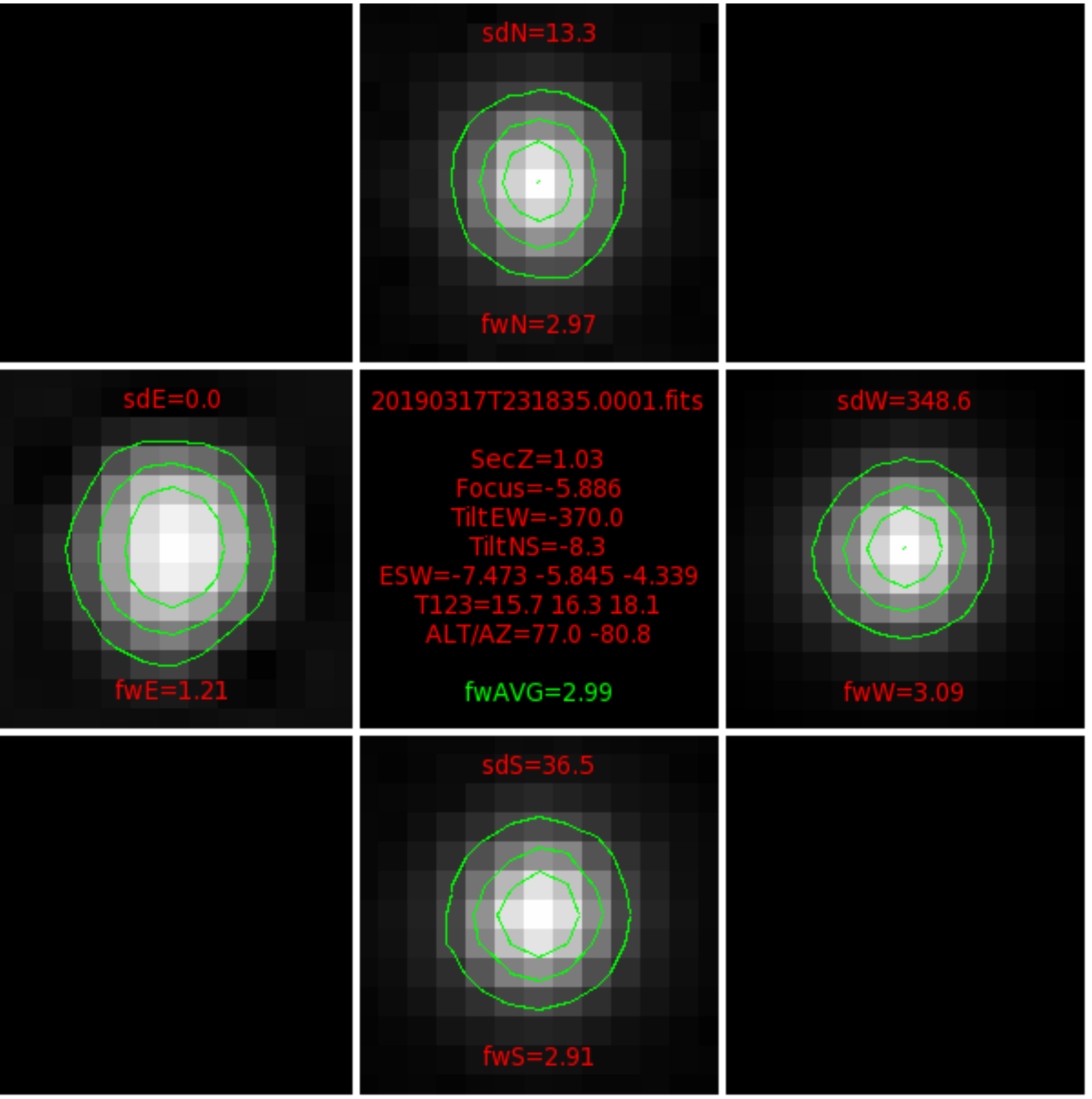
sdN=13.3
fwN=2.97
sdE=0.0
fwE=1.21
20190317T231835.0001.fits
SecZ=1.03
Focus=-5.886
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.473 -5.845 -4.339
T123=15.7 16.3 18.1
ALT/AZ=77.0 -80.8
fwAVG=2.99
sdW=348.6
fwW=3.09
sdS=36.5
fwS=2.91
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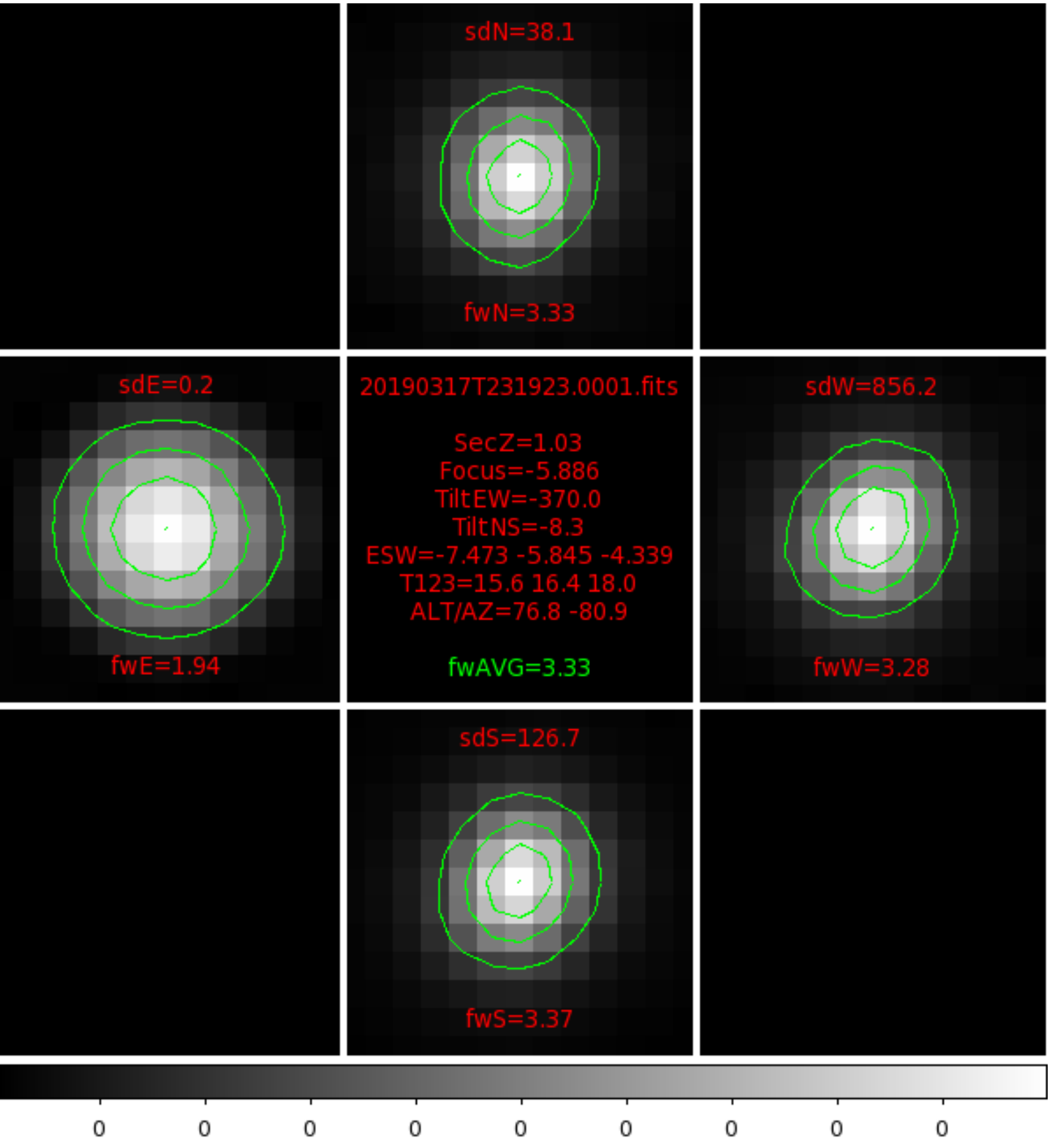
sdN=38.1
fwN=3.33
sdE=0.2
fwE=1.94
20190317T231923.0001.fits
SecZ=1.03
Focus=-5.886
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.473 -5.845 -4.339
T123=15.6 16.4 18.0
ALT/AZ=76.8 -80.9
fwAVG=3.33
sdW=856.2
fwW=3.28
sdS=126.7
fwS=3.37
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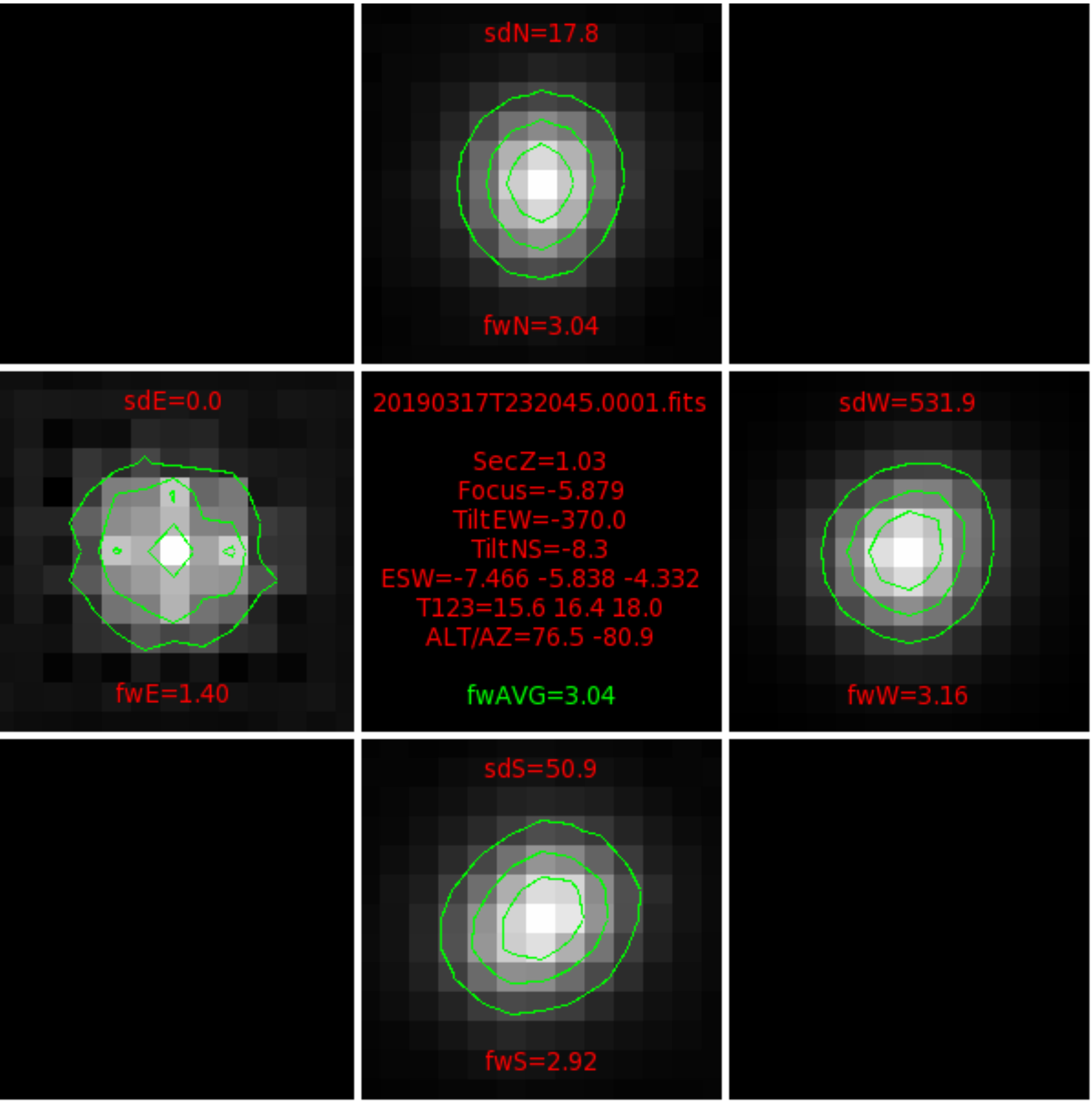
sdN=17.8
fwN=3.04
sdE=0.0
fwE=1.40
20190317T232045.0001.fits
SecZ=1.03
Focus=-5.879
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.466 -5.838 -4.332
T123=15.6 16.4 18.0
ALT/AZ=76.5 -80.9
fwAVG=3.04
sdW=531.9
fwW=3.16
sdS=50.9
fwS=2.92
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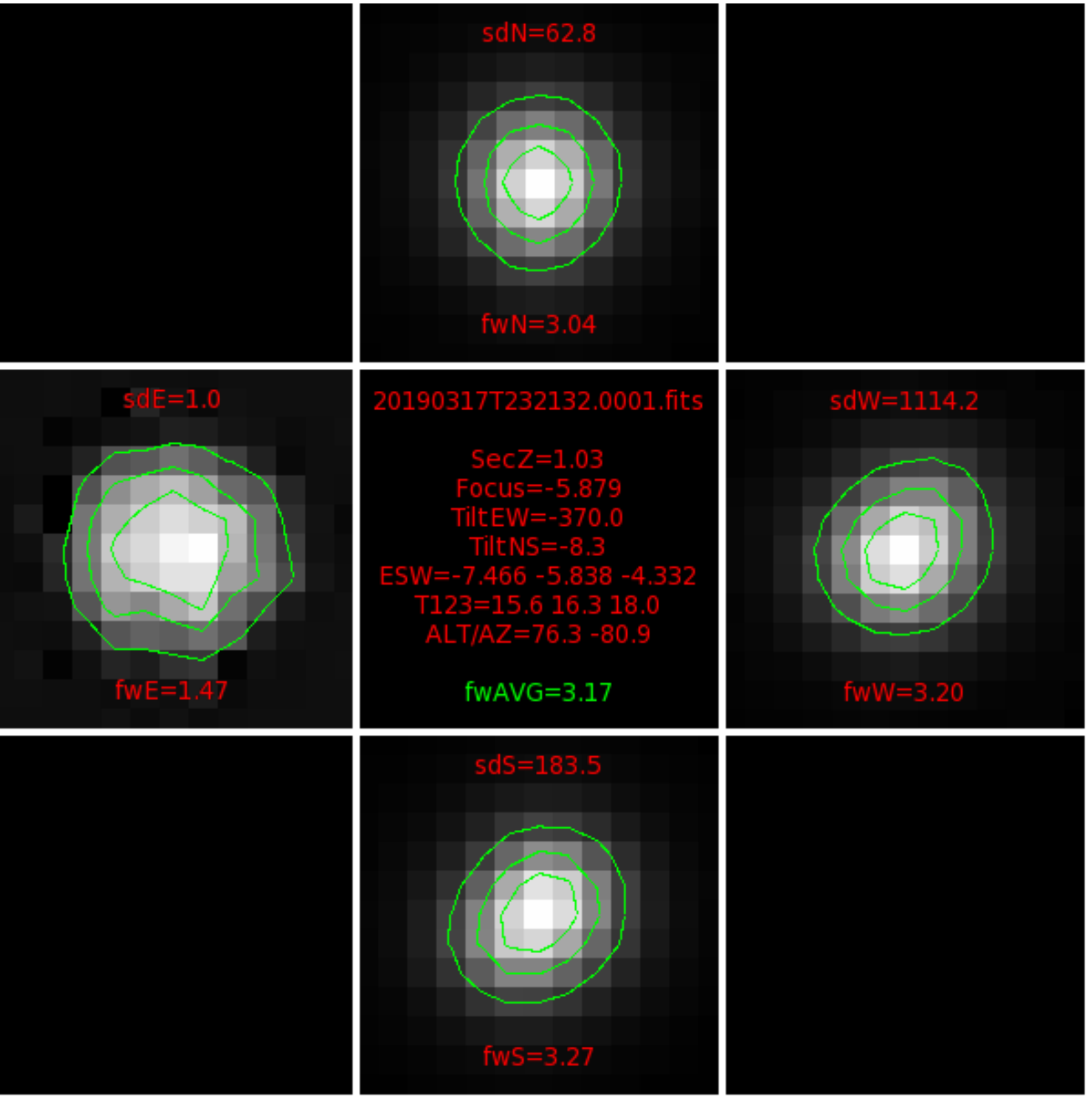
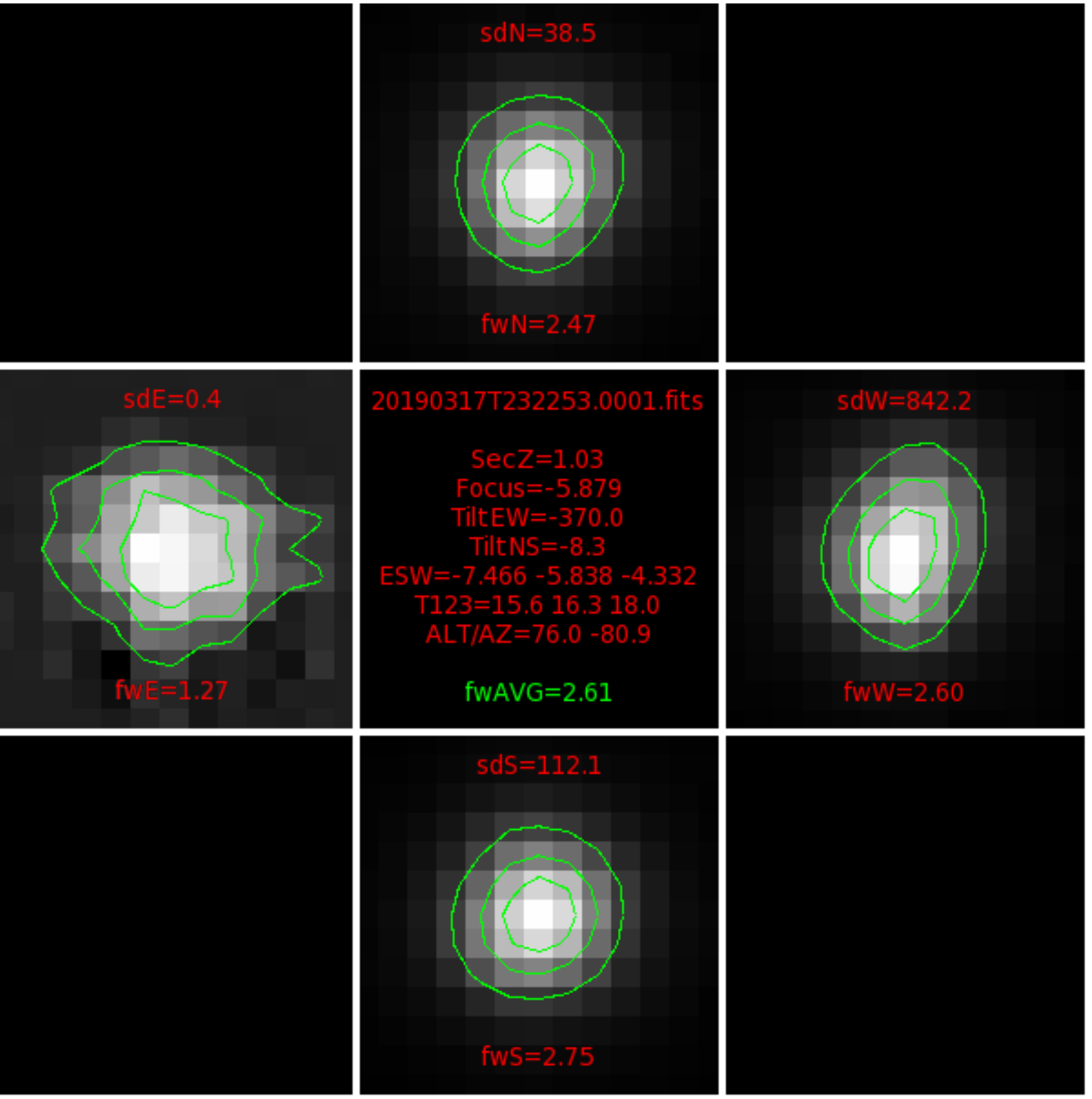

sdN=62.8
fwN=3.04
sdE=1.0
fwE=1.47
20190317T232132.0001.fits
SecZ=1.03
Focus=-5.879
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.466 -5.838 -4.332
T123=15.6 16.3 18.0
ALT/AZ=76.3 -80.9
fwAVG=3.17
sdW=1114.2
fwW=3.20
sdS=183.5
fwS=3.27
0 0 0 0 0 0 0 0 0


sdN=38.5
fwN=2.47
sdE=0.4
fwE=1.27
20190317T232253.0001.fits
SecZ=1.03
Focus=-5.879
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.466 -5.838 -4.332
T123=15.6 16.3 18.0
ALT/AZ=76.0 -80.9
fwAVG=2.61
sdW=842.2
fwW=2.60
sdS=112.1
fwS=2.75
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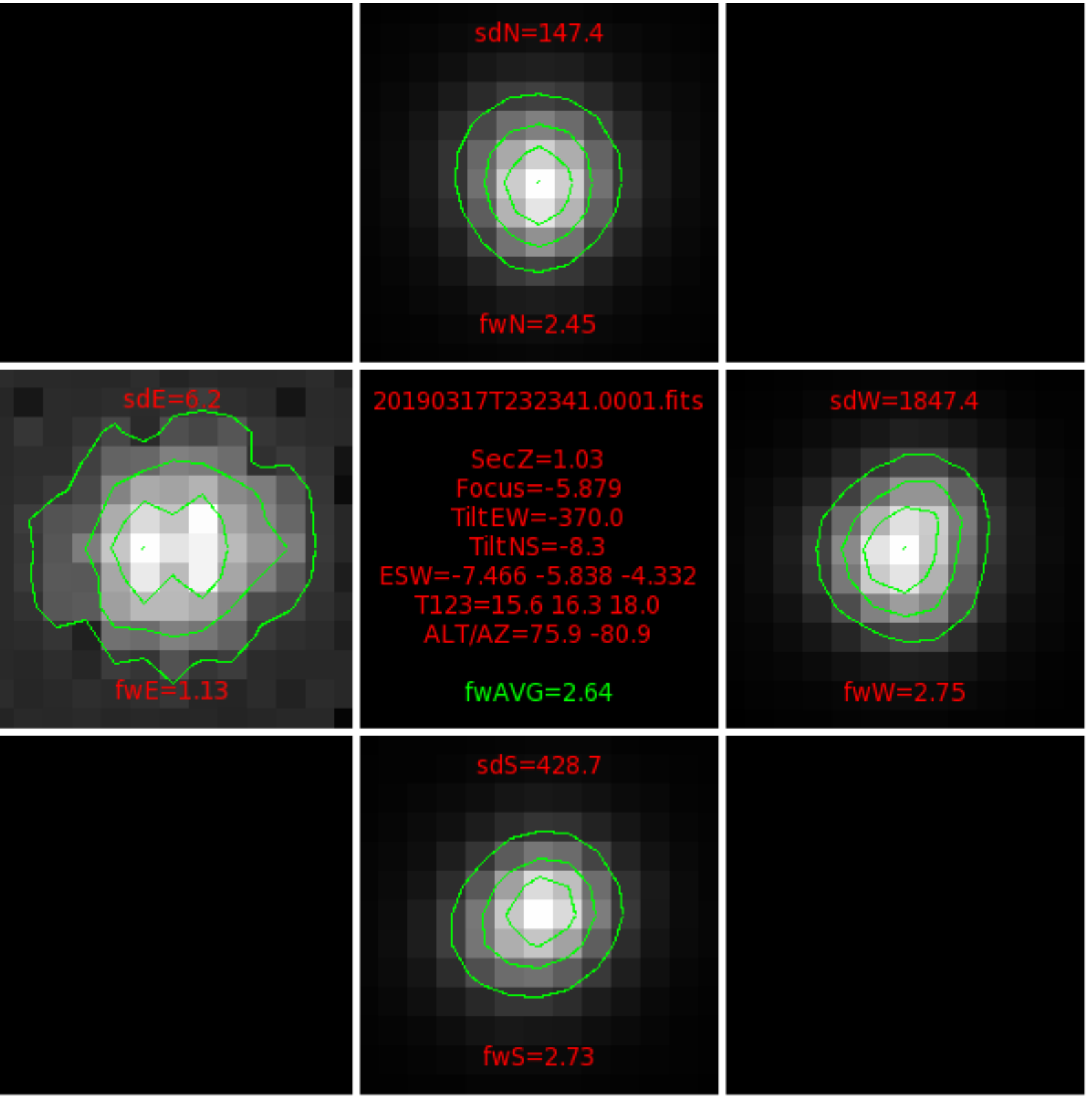
sdN=147.4
fwN=2.45
sdE=6.2
fwE=1.13
20190317T232341.0001.fits
SecZ=1.03
Focus=-5.879
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.466 -5.838 -4.332
T123=15.6 16.3 18.0
ALT/AZ=75.9 -80.9
fwAVG=2.64
sdW=1847.4
fwW=2.75
sdS=428.7
fwS=2.73
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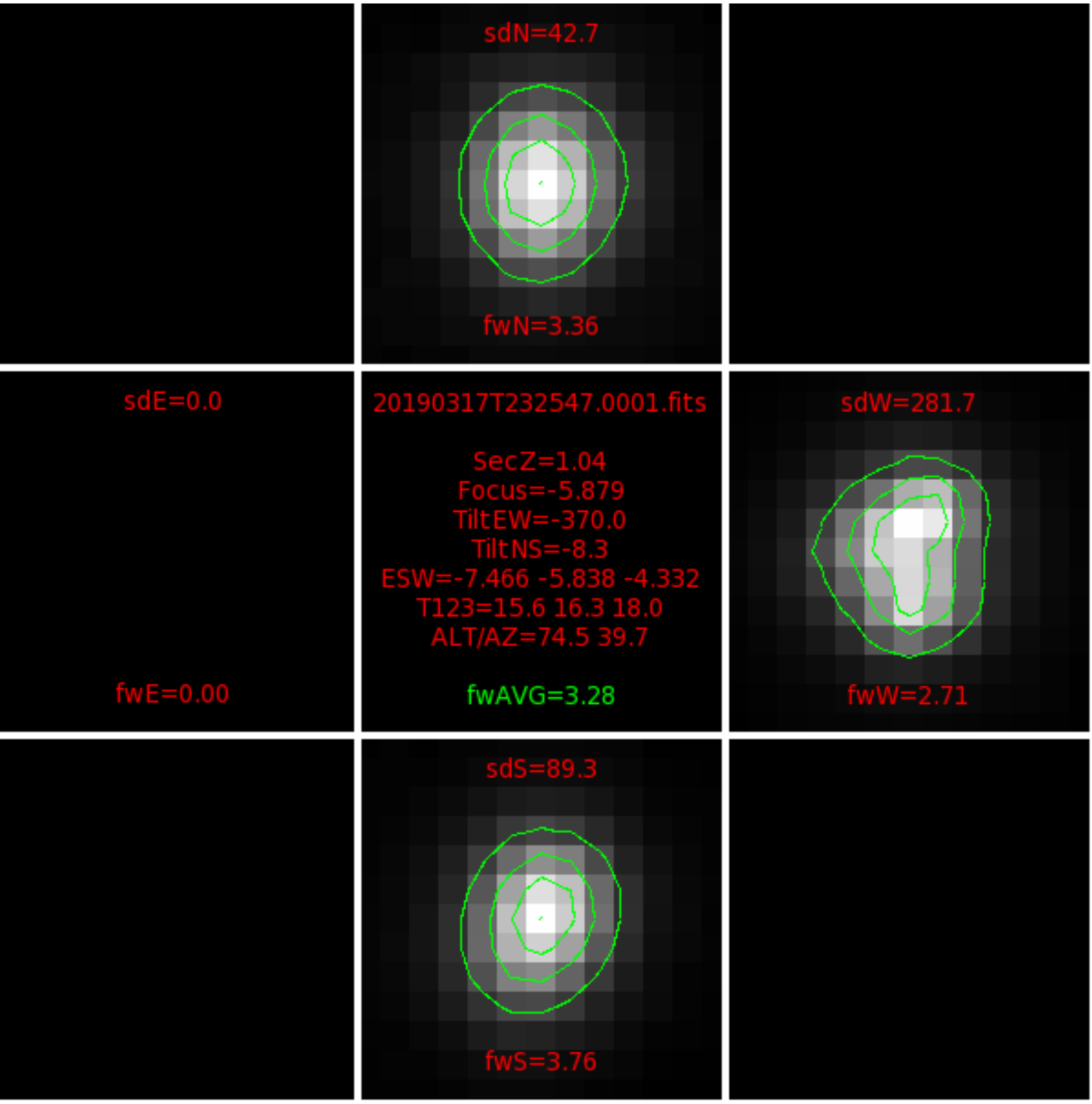
sdN=42.7
fwN=3.36
sdE=0.0
fwE=0.00
20190317T232547.0001.fits
SecZ=1.04
Focus=-5.879
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.466 -5.838 -4.332
T123=15.6 16.3 18.0
ALT/AZ=74.5 39.7
fwAVG=3.28
sdW=281.7
fwW=2.71
sdS=89.3
fwS=3.76
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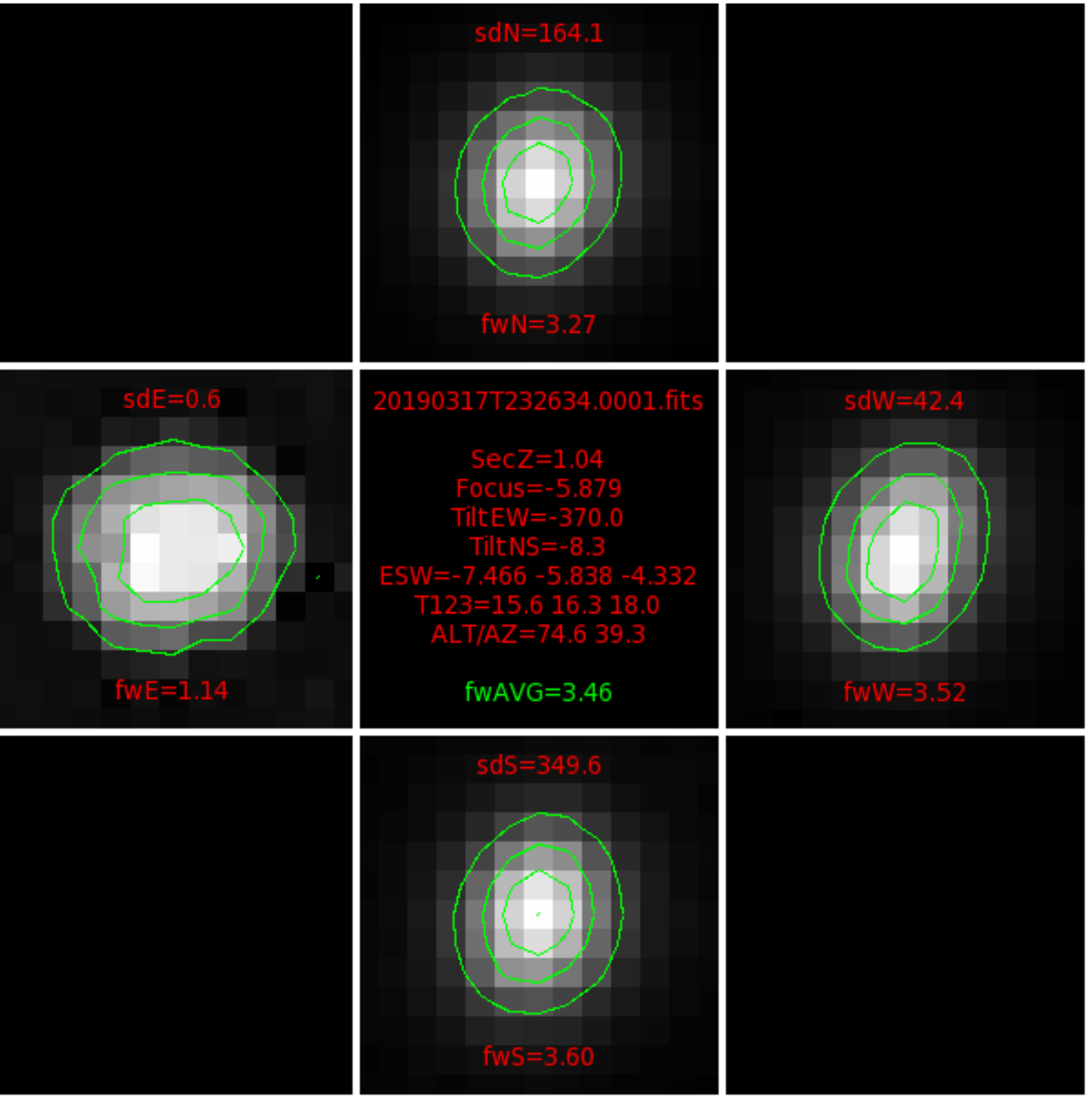
sdN=164.1
fwN=3.27
sdE=0.6
fwE=1.14
20190317T232634.0001.fits
SecZ=1.04
Focus=-5.879
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.466 -5.838 -4.332
T123=15.6 16.3 18.0
ALT/AZ=74.6 39.3
fwAVG=3.46
sdW=42.4
fwW=3.52
sdS=349.6
fwS=3.60
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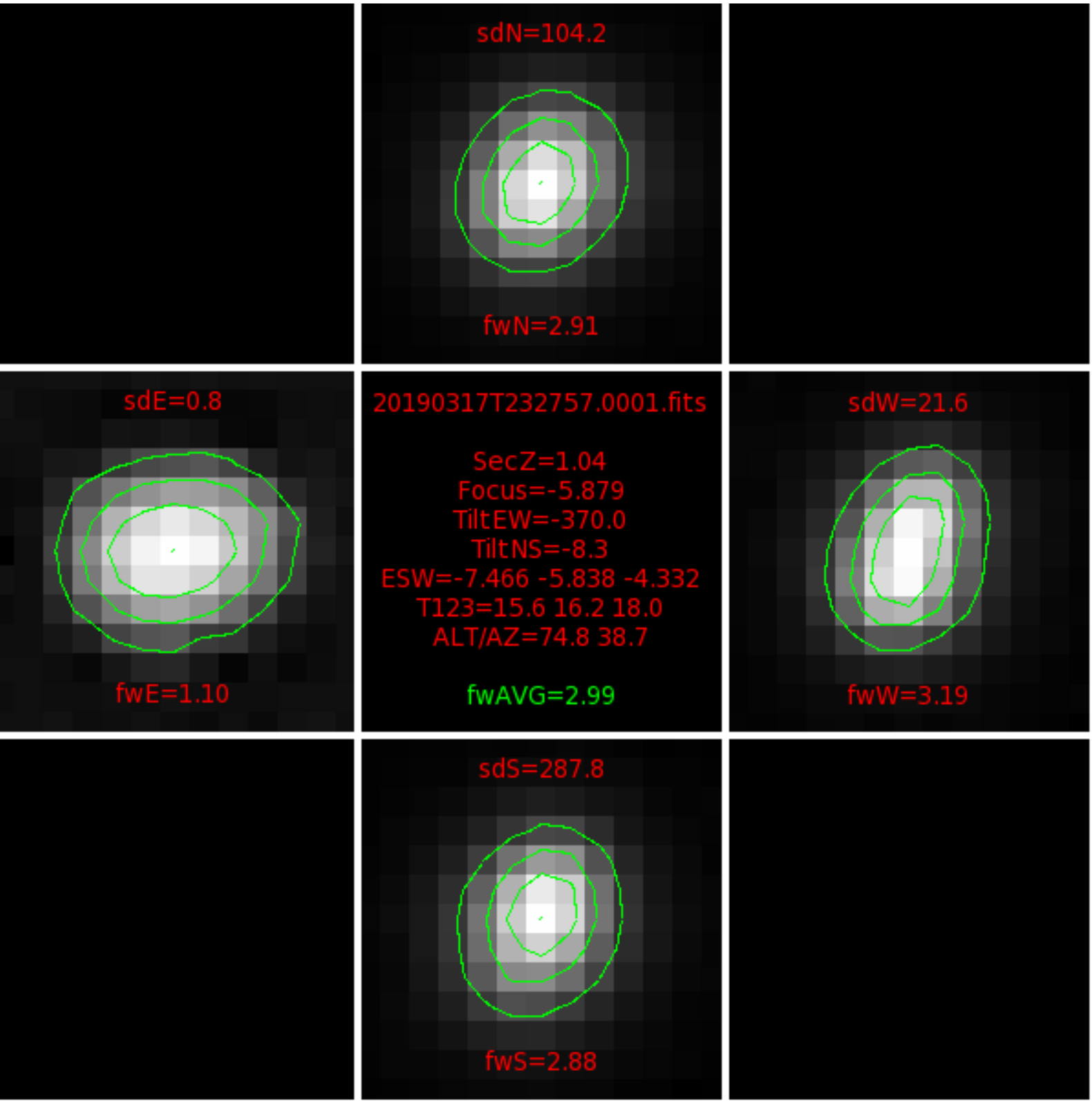
sdN=104.2
fwN=2.91
sdE=0.8
fwE=1.10
20190317T232757.0001.fits
SecZ=1.04
Focus=-5.879
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.466 -5.838 -4.332
T123=15.6 16.2 18.0
ALT/AZ=74.8 38.7
fwAVG=2.99
sdW=21.6
fwW=3.19
sdS=287.8
fwS=2.88
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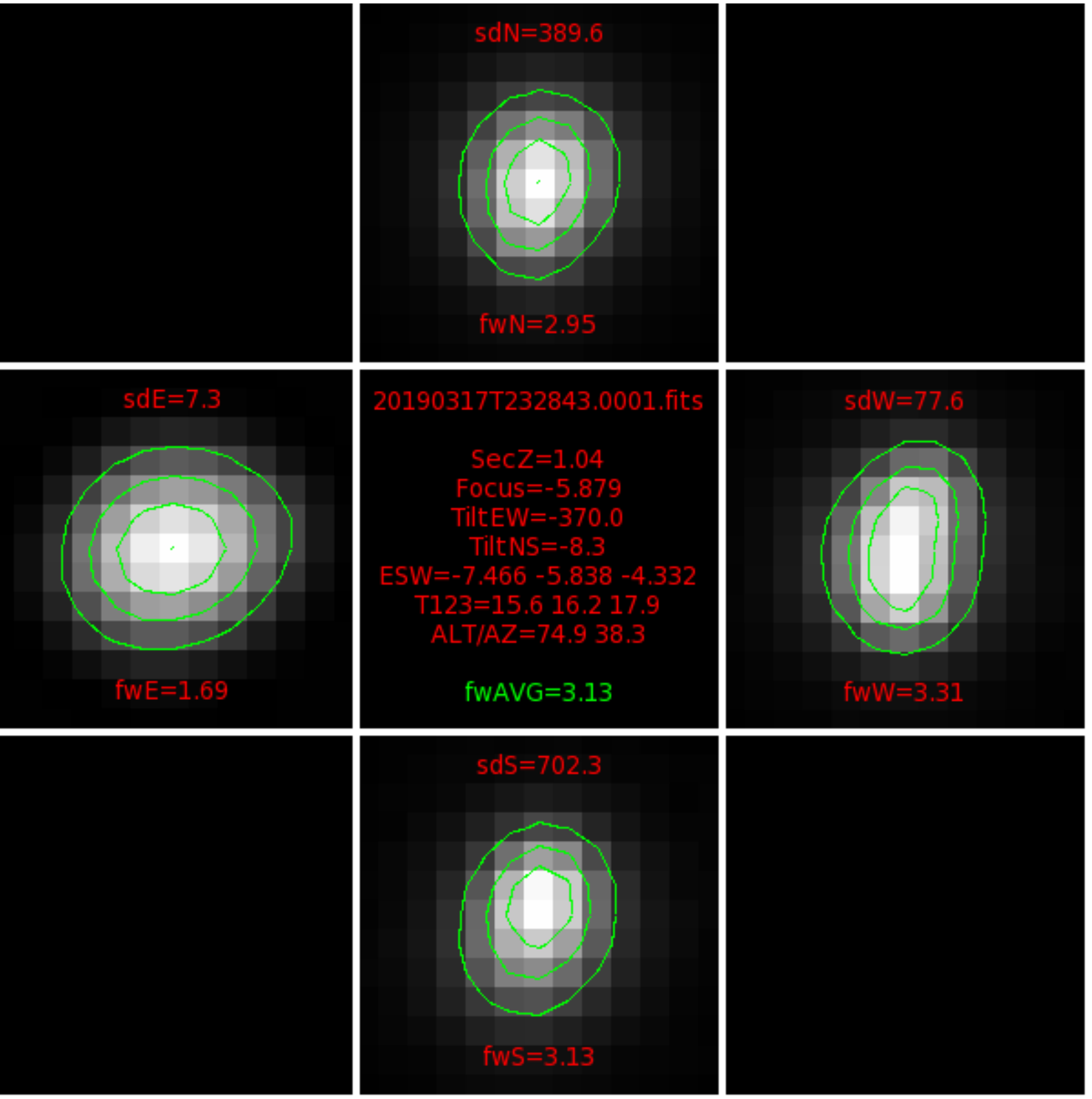
sdN=389.6
fwN=2.95
sdE=7.3
fwE=1.69
20190317T232843.0001.fits
SecZ=1.04
Focus=-5.879
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.466 -5.838 -4.332
T123=15.6 16.2 17.9
ALT/AZ=74.9 38.3
fwAVG=3.13
sdW=77.6
fwW=3.31
sdS=702.3
fwS=3.13
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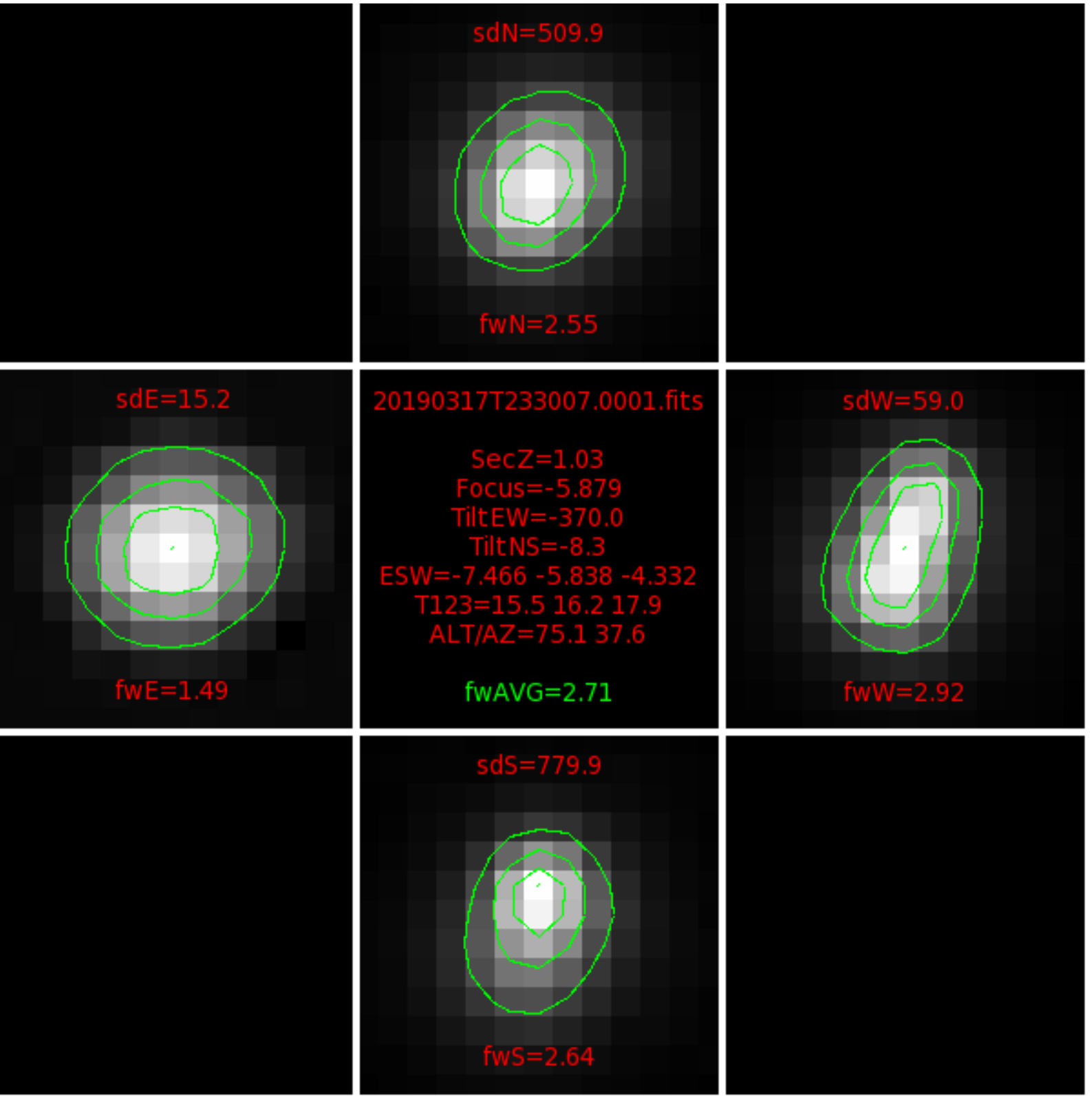
sdN=509.9
fwN=2.55
sdE=15.2
fwE=1.49
20190317T233007.0001.fits
SecZ=1.03
Focus=-5.879
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.466 -5.838 -4.332
T123=15.5 16.2 17.9
ALT/AZ=75.1 37.6
fwAVG=2.71
sdW=59.0
fwW=2.92
sdS=779.9
fwS=2.64
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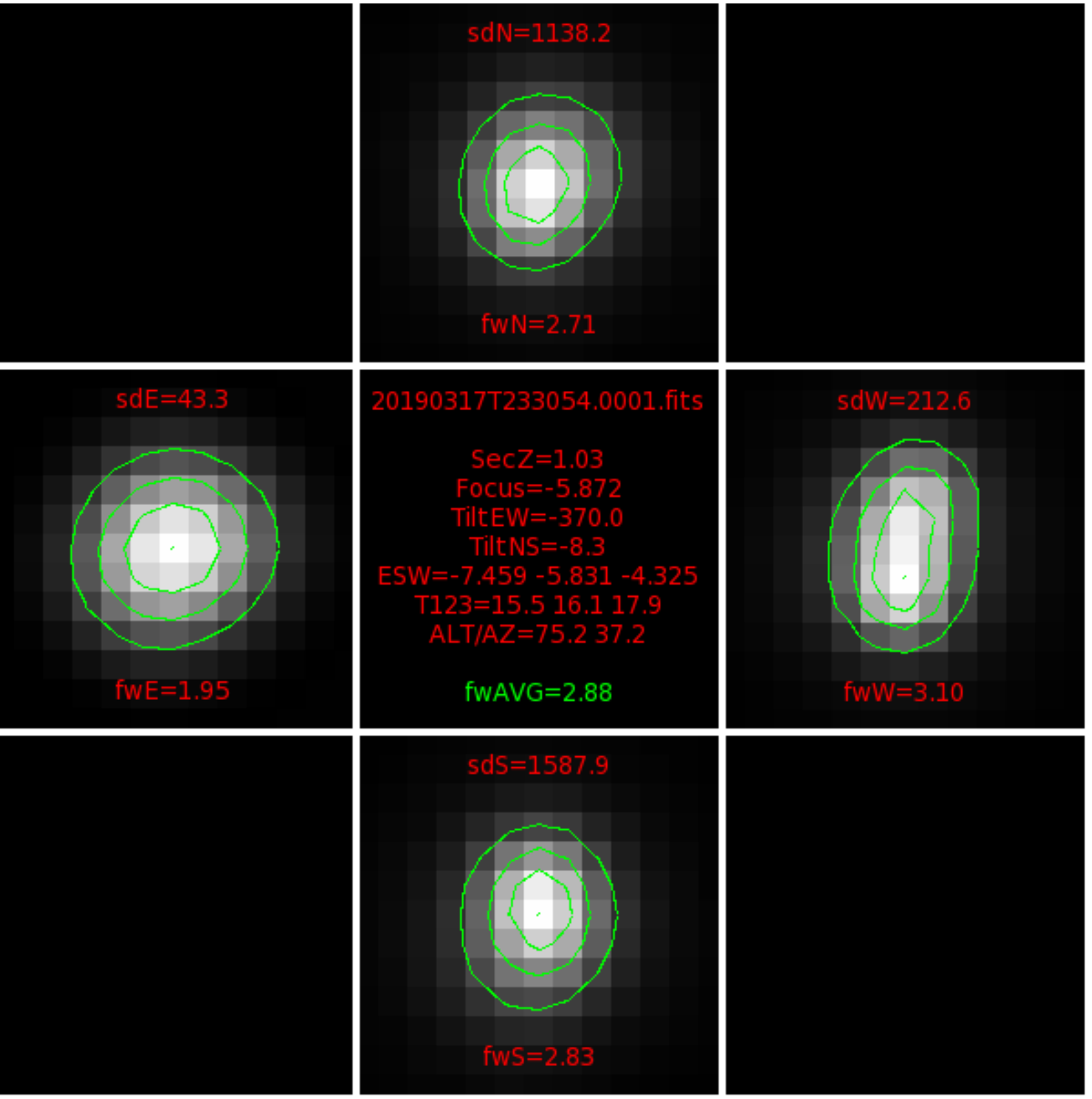
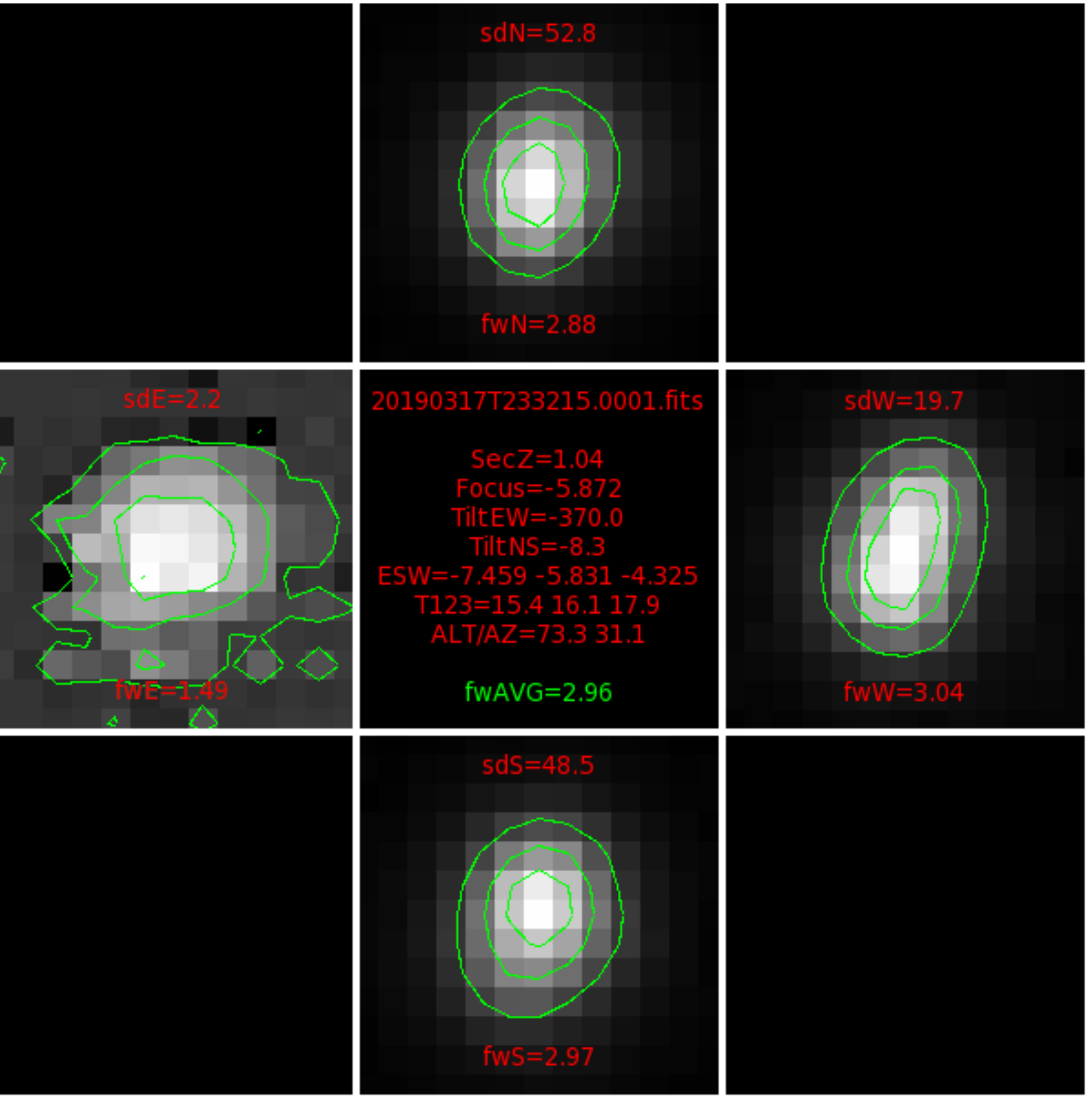

sdN=1138.2
fwN=2.71
sdE=43.3
fwE=1.95
20190317T233054.0001.fits
SecZ=1.03
Focus=-5.872
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.459 -5.831 -4.325
T123=15.5 16.1 17.9
ALT/AZ=75.2 37.2
fwAVG=2.88
sdW=212.6
fwW=3.10
sdS=1587.9
fwS=2.83
0 0 0 0 0 0 0 0 0


sdN=52.8
fwN=2.88
sdE=2.2
fwE=1.49
20190317T233215.0001.fits
SecZ=1.04
Focus=-5.872
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.459 -5.831 -4.325
T123=15.4 16.1 17.9
ALT/AZ=73.3 31.1
fwAVG=2.96
sdW=19.7
fwW=3.04
sdS=48.5
fwS=2.97
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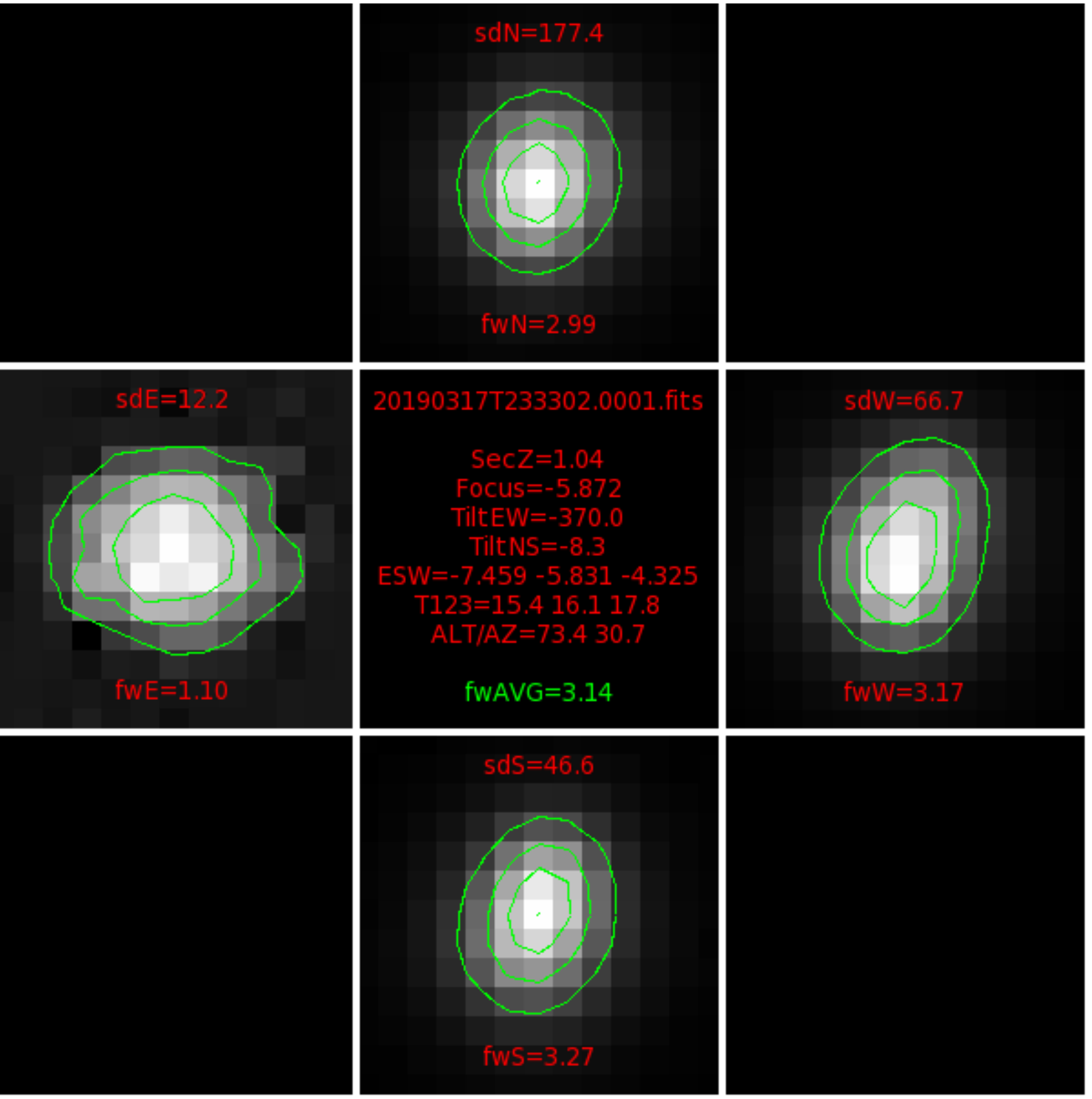
sdN=177.4
fwN=2.99
sdE=12.2
fwE=1.10
20190317T233302.0001.fits
SecZ=1.04
Focus=-5.872
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.459 -5.831 -4.325
T123=15.4 16.1 17.8
ALT/AZ=73.4 30.7
fwAVG=3.14
sdW=66.7
fwW=3.17
sdS=46.6
fwS=3.27
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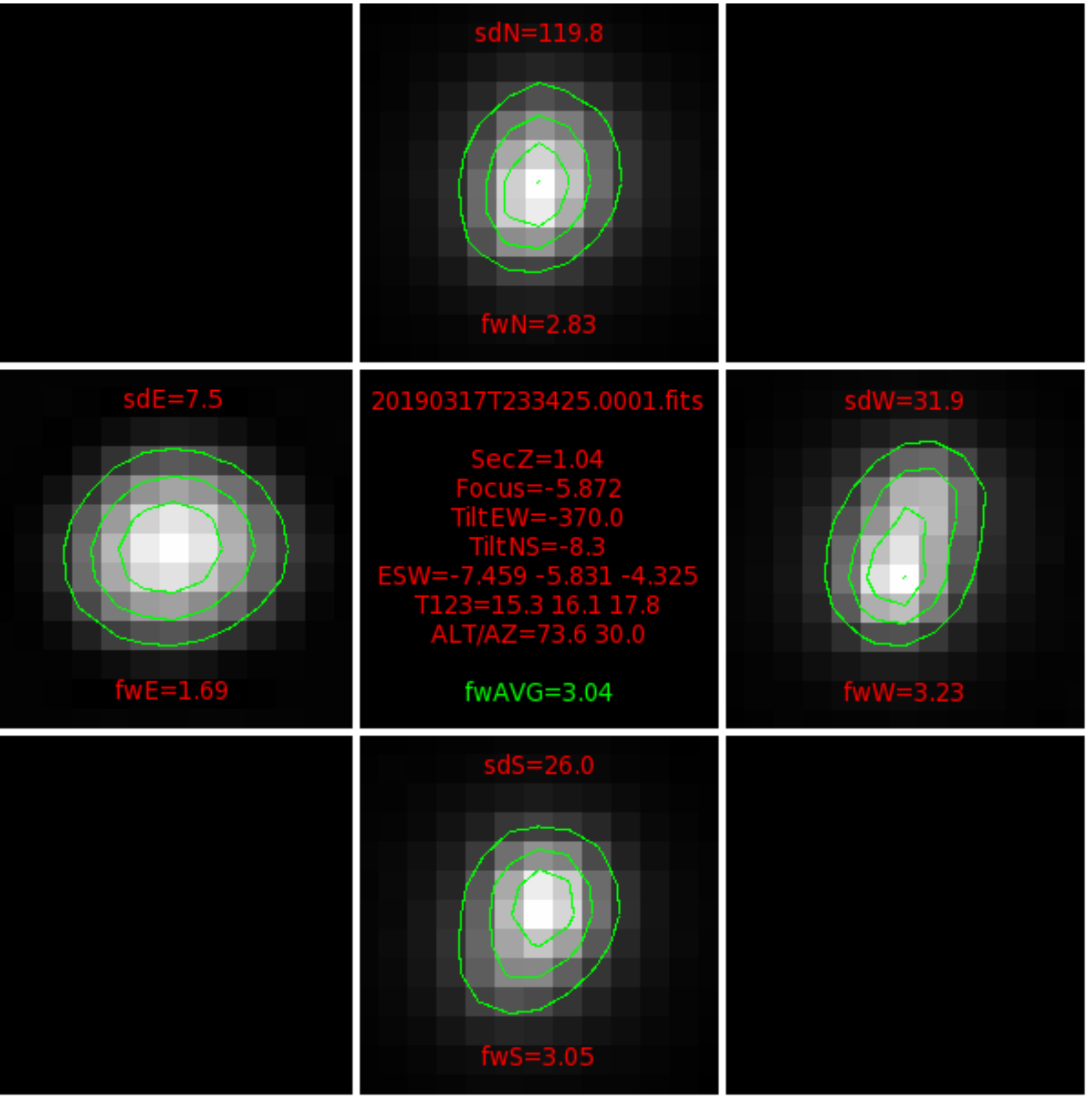
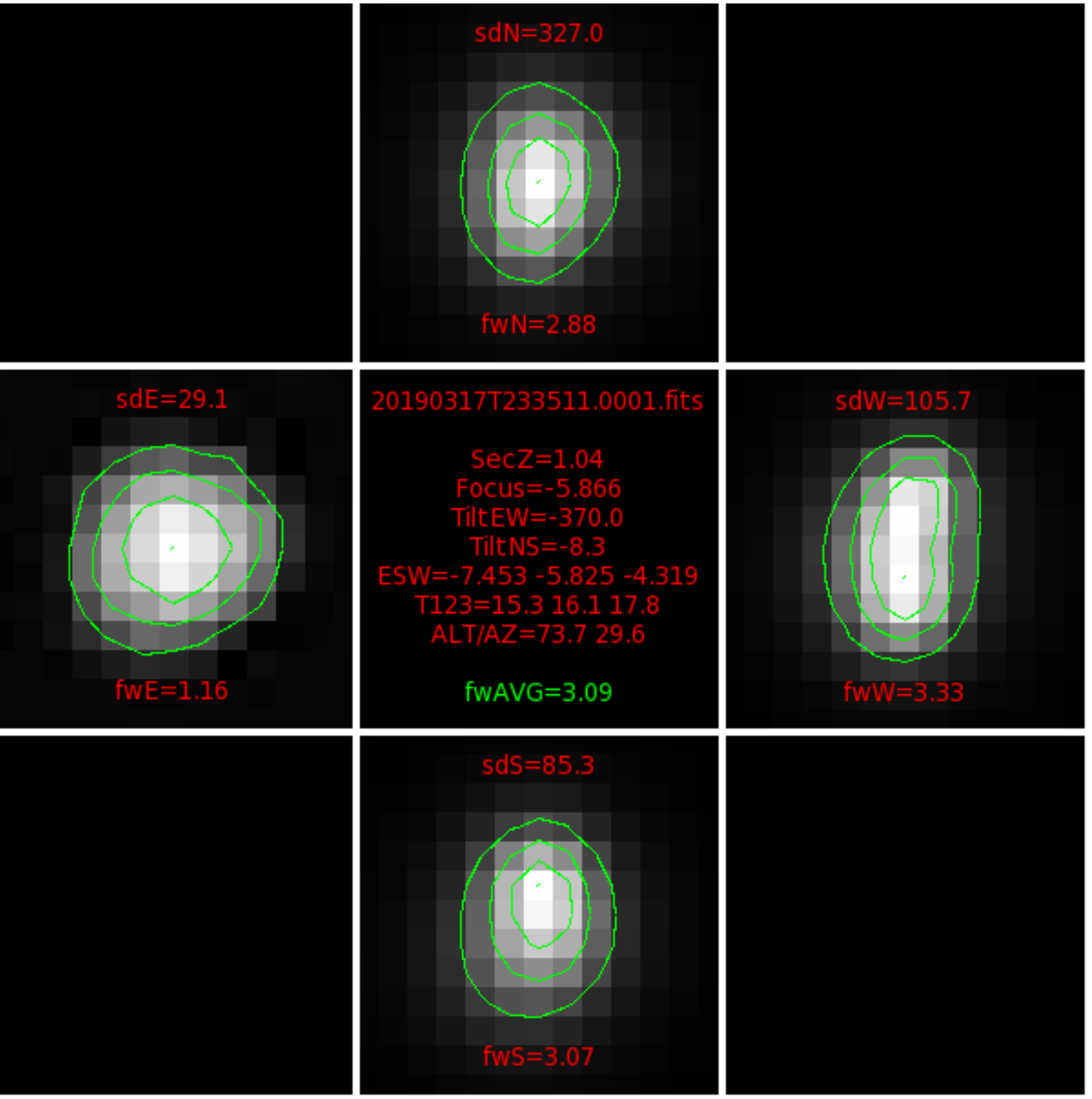

sdN=119.8
fwN=2.83
sdE=7.5
fwE=1.69
20190317T233425.0001.fits
SecZ=1.04
Focus=-5.872
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.459 -5.831 -4.325
T123=15.3 16.1 17.8
ALT/AZ=73.6 30.0
fwAVG=3.04
sdW=31.9
fwW=3.23
sdS=26.0
fwS=3.05
0 0 0 0 0 0 0 0 0


sdN=327.0
fwN=2.88
sdE=29.1
fwE=1.16
20190317T233511.0001.fits
SecZ=1.04
Focus=-5.866
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.453 -5.825 -4.319
T123=15.3 16.1 17.8
ALT/AZ=73.7 29.6
fwAVG=3.09
sdW=105.7
fwW=3.33
sdS=85.3
fwS=3.07
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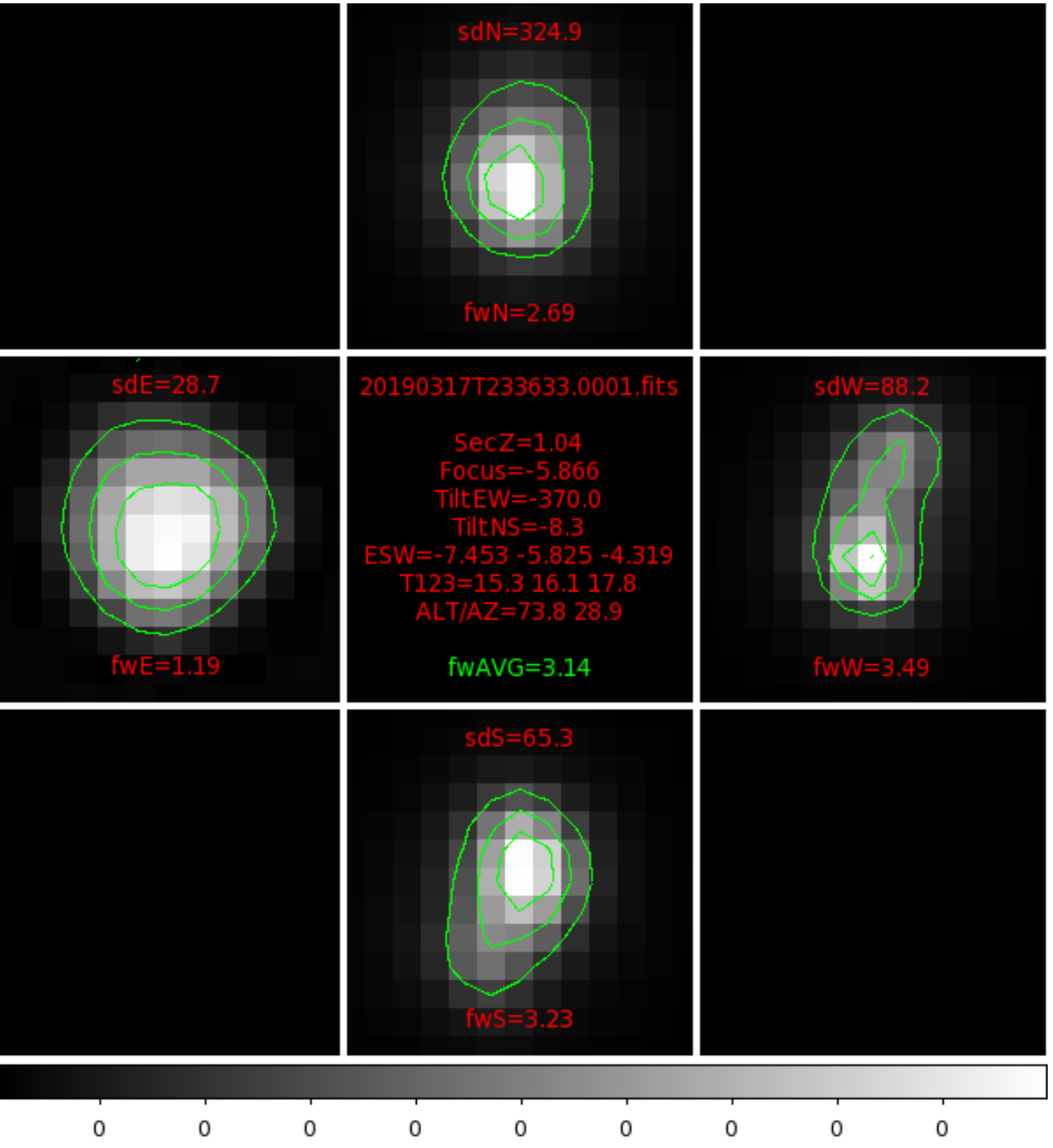
sdN=324.9
fwN=2.69
sdE=28.7
fwE=1.19
20190317T233633.0001.fits
SecZ=1.04
Focus=-5.866
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.453 -5.825 -4.319
T123=15.3 16.1 17.8
ALT/AZ=73.8 28.9
fwAVG=3.14
sdW=88.2
fwW=3.49
sdS=65.3
fwS=3.23
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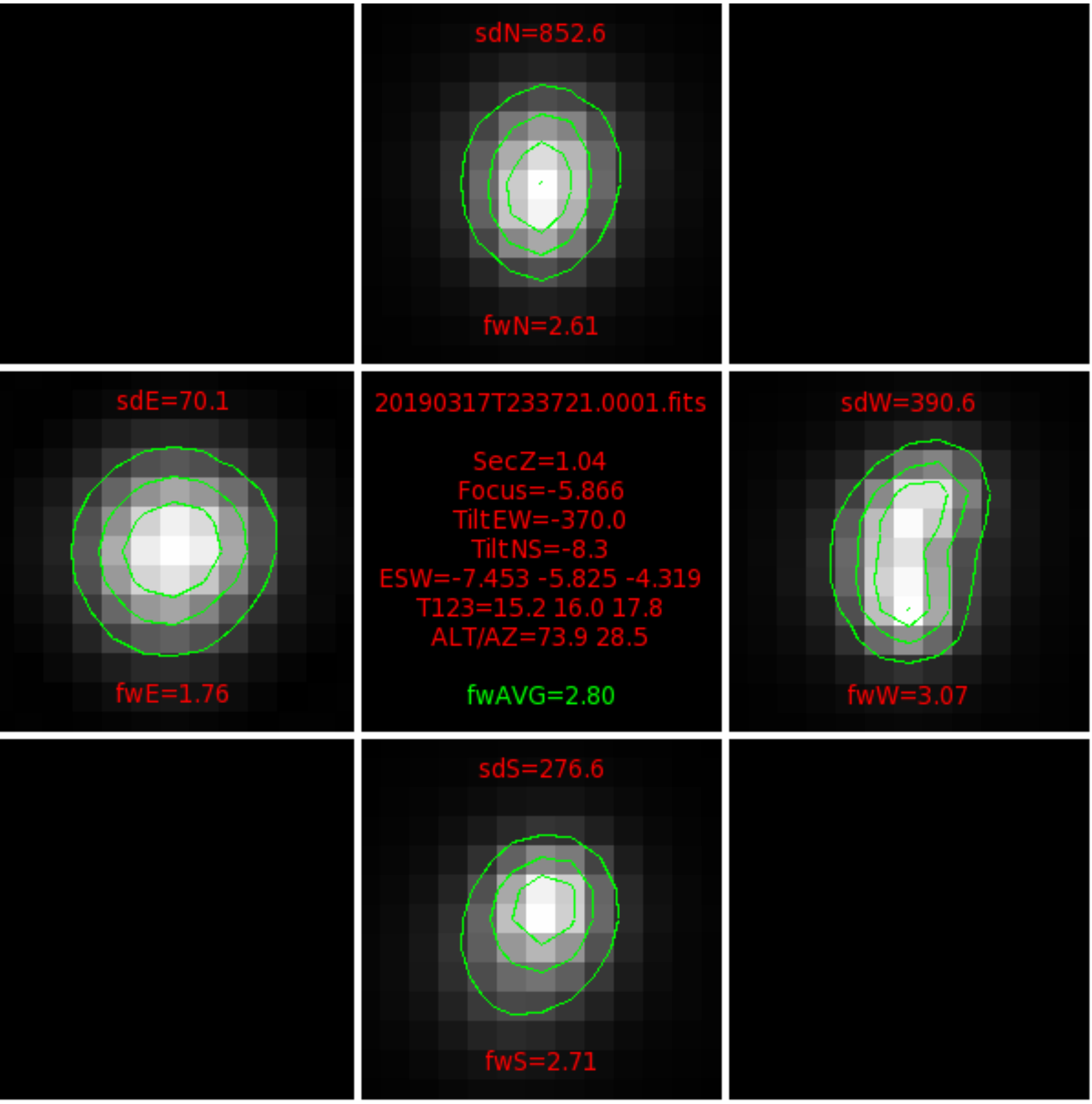
sdN=852.6
fwN=2.61
sdE=70.1
fwE=1.76
20190317T233721.0001.fits
SecZ=1.04
Focus=-5.866
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.453 -5.825 -4.319
T123=15.2 16.0 17.8
ALT/AZ=73.9 28.5
fwAVG=2.80
sdW=390.6
fwW=3.07
sdS=276.6
fwS=2.71
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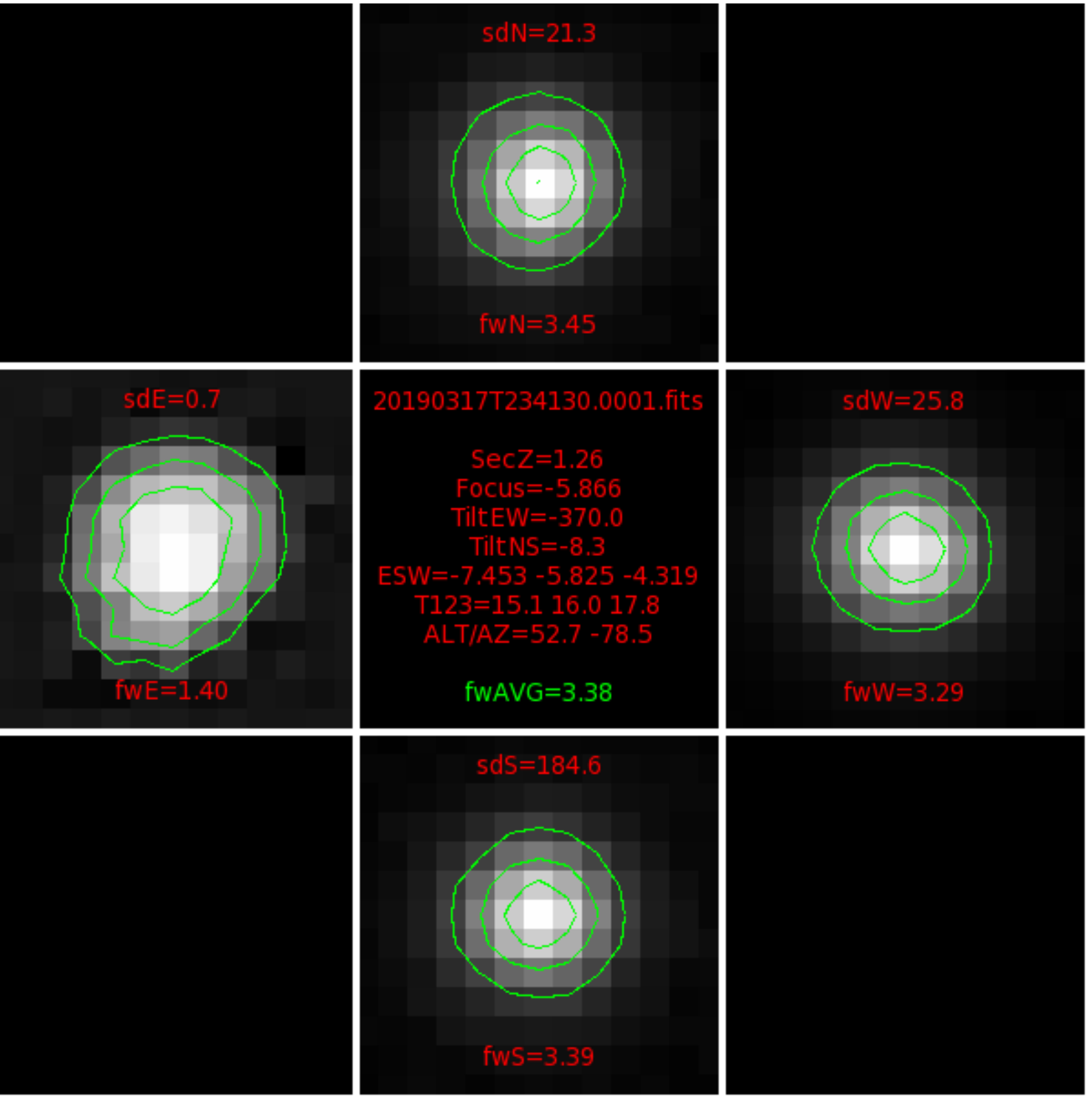
sdN=21.3
fwN=3.45
sdE=0.7
fwE=1.40
20190317T234130.0001.fits
SecZ=1.26
Focus=-5.866
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.453 -5.825 -4.319
T123=15.1 16.0 17.8
ALT/AZ=52.7 -78.5
fwAVG=3.38
sdW=25.8
fwW=3.29
sdS=184.6
fwS=3.39
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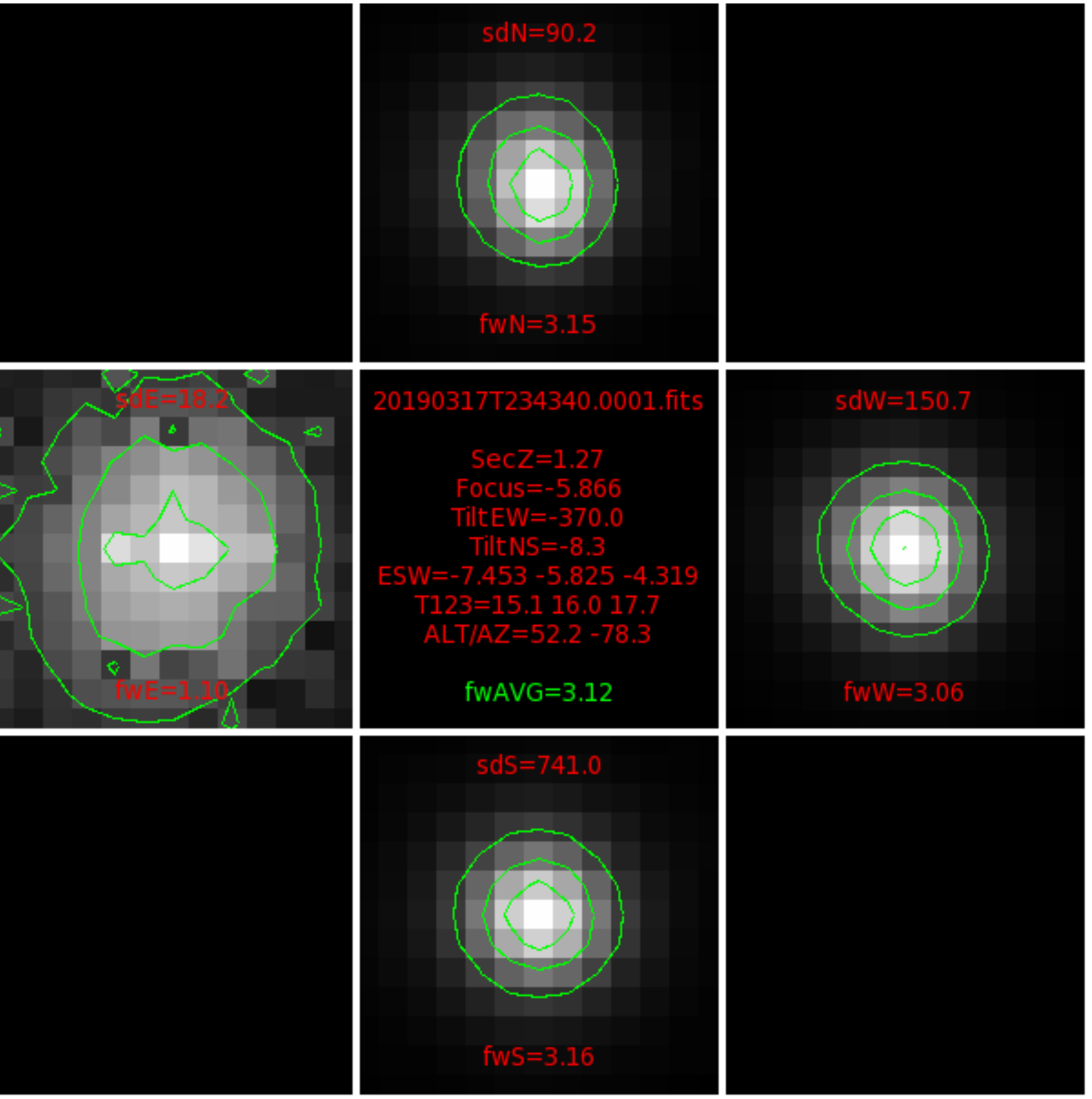
sdN=90.2
fwN=3.15
sdE=18.2
fwE=1.10
20190317T234340.0001.fits
SecZ=1.27
Focus=-5.866
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.453 -5.825 -4.319
T123=15.1 16.0 17.7
ALT/AZ=52.2 -78.3
fwAVG=3.12
sdW=150.7
fwW=3.06
sdS=741.0
fwS=3.16
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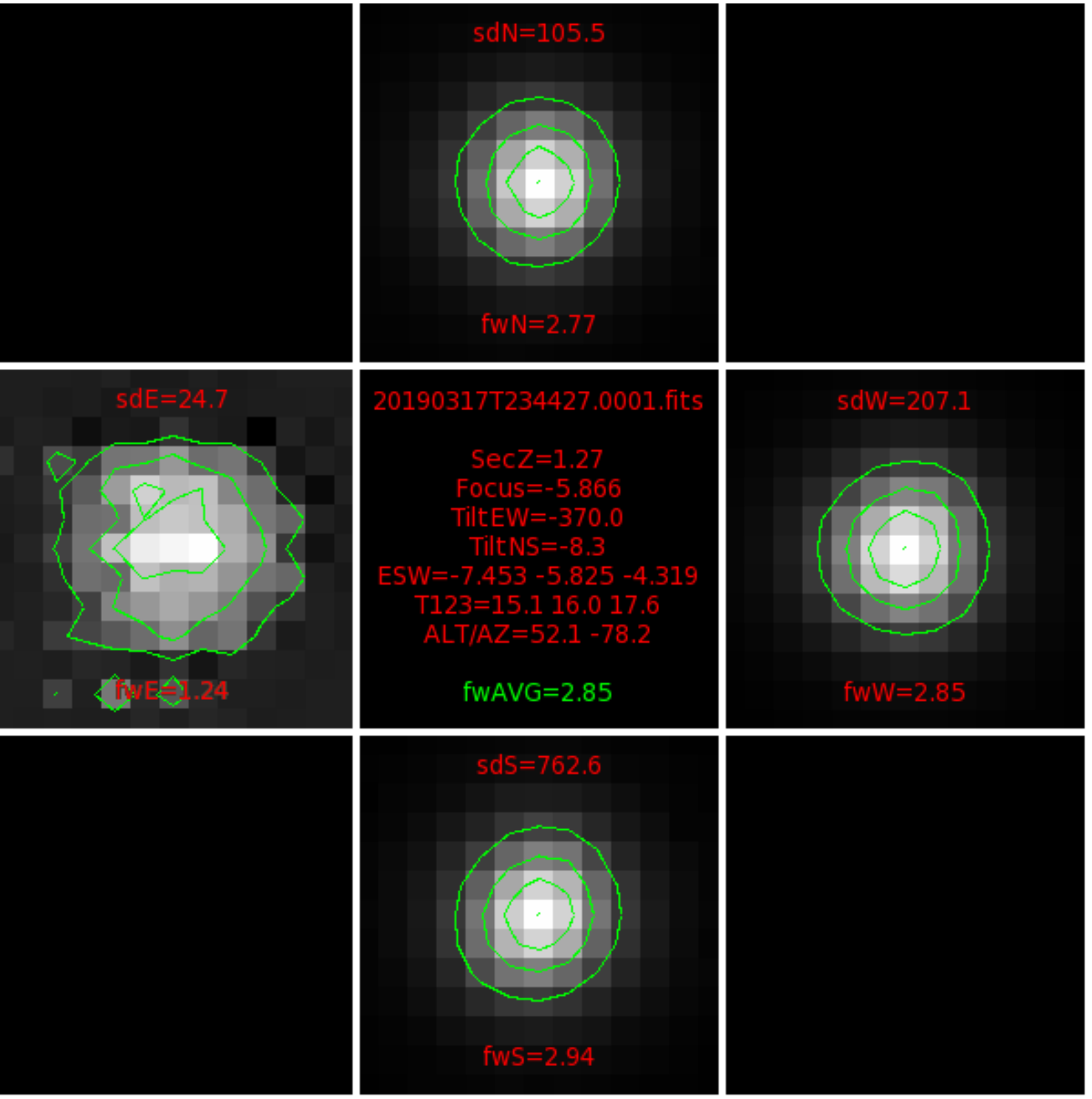
sdN=105.5
fwN=2.77
sdE=24.7
fwE=1.24
20190317T234427.0001.fits
SecZ=1.27
Focus=-5.866
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.453 -5.825 -4.319
T123=15.1 16.0 17.6
ALT/AZ=52.1 -78.2
fwAVG=2.85
sdW=207.1
fwW=2.85
sdS=762.6
fwS=2.94
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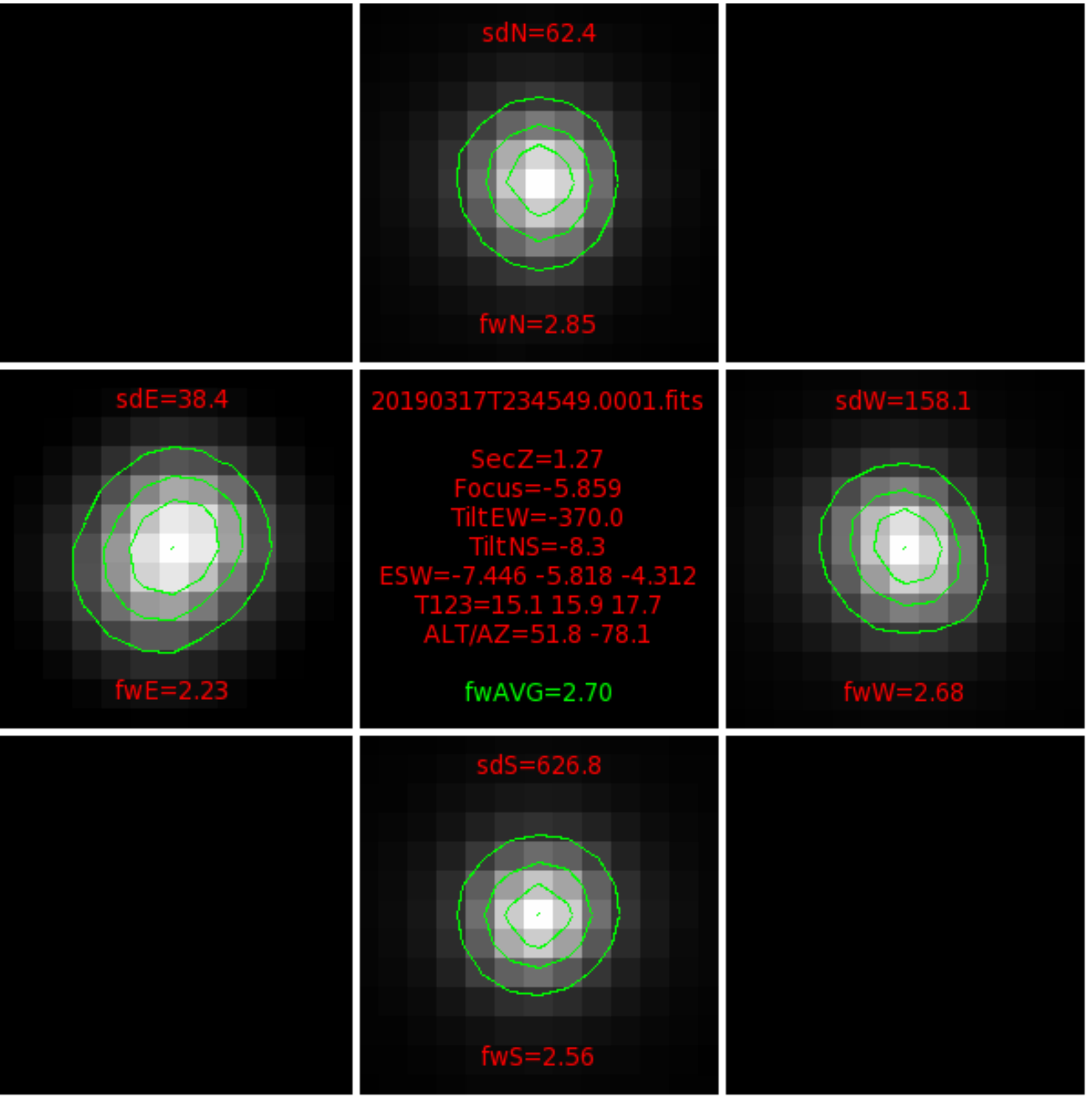
sdN=62.4
fwN=2.85
sdE=38.4
fwE=2.23
20190317T234549.0001.fits
SecZ=1.27
Focus=-5.859
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.446 -5.818 -4.312
T123=15.1 15.9 17.7
ALT/AZ=51.8 -78.1
fwAVG=2.70
sdW=158.1
fwW=2.68
sdS=626.8
fwS=2.56
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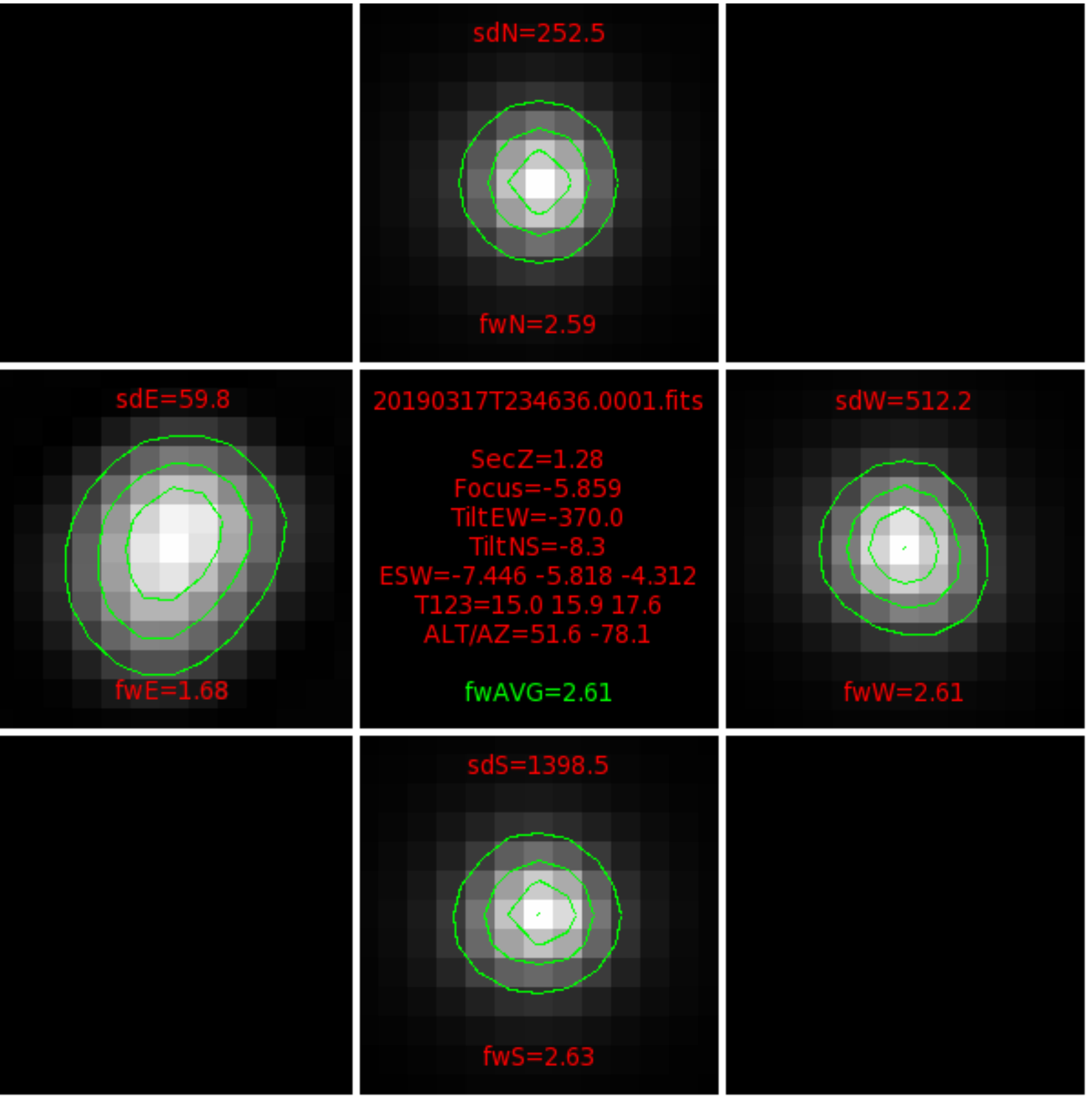
sdN=252.5
fwN=2.59
sdE=59.8
fwE=1.68
20190317T234636.0001.fits
SecZ=1.28
Focus=-5.859
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.446 -5.818 -4.312
T123=15.0 15.9 17.6
ALT/AZ=51.6 -78.1
fwAVG=2.61
sdW=512.2
fwW=2.61
sdS=1398.5
fwS=2.63
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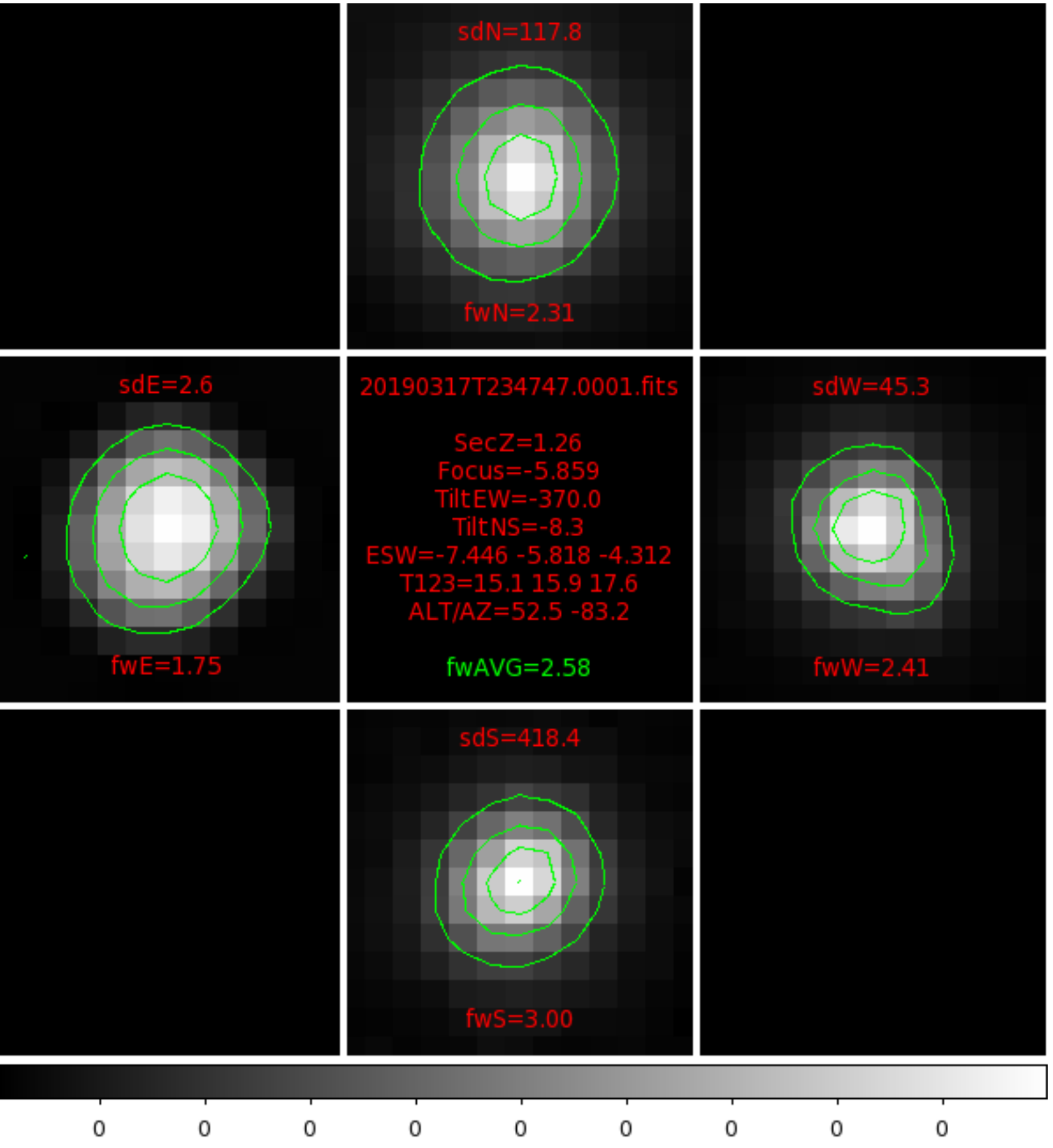
sdN=117.8
fwN=2.31
sdE=2.6
fwE=1.75
20190317T234747.0001.fits
SecZ=1.26
Focus=-5.859
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.446 -5.818 -4.312
T123=15.1 15.9 17.6
ALT/AZ=52.5 -83.2
fwAVG=2.58
sdW=45.3
fwW=2.41
sdS=418.4
fwS=3.00
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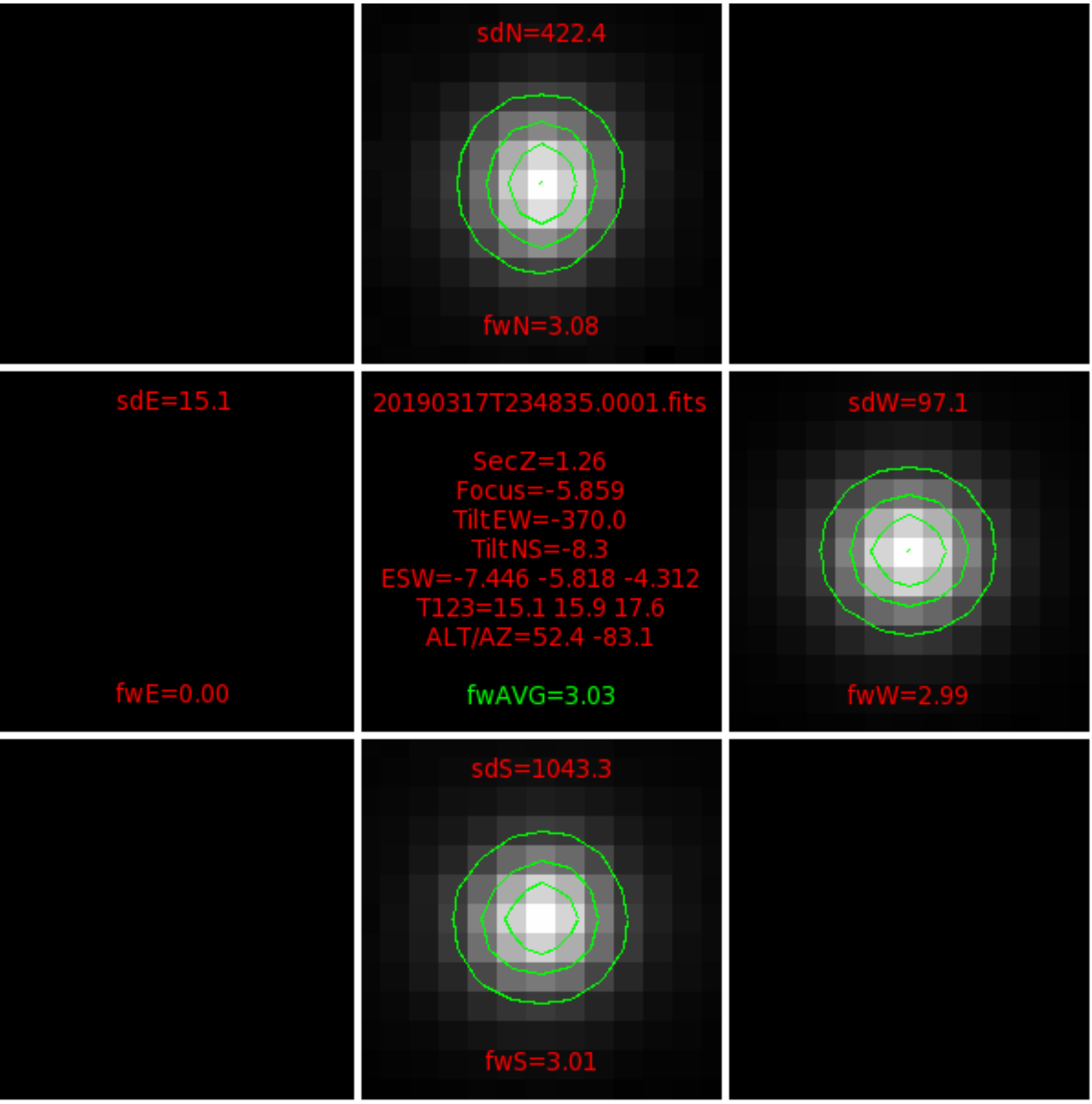
sdN=422.4
fwN=3.08
sdE=15.1
fwE=0.00
20190317T234835.0001.fits
SecZ=1.26
Focus=-5.859
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.446 -5.818 -4.312
T123=15.1 15.9 17.6
ALT/AZ=52.4 -83.1
fwAVG=3.03
sdW=97.1
fwW=2.99
sdS=1043.3
fwS=3.01
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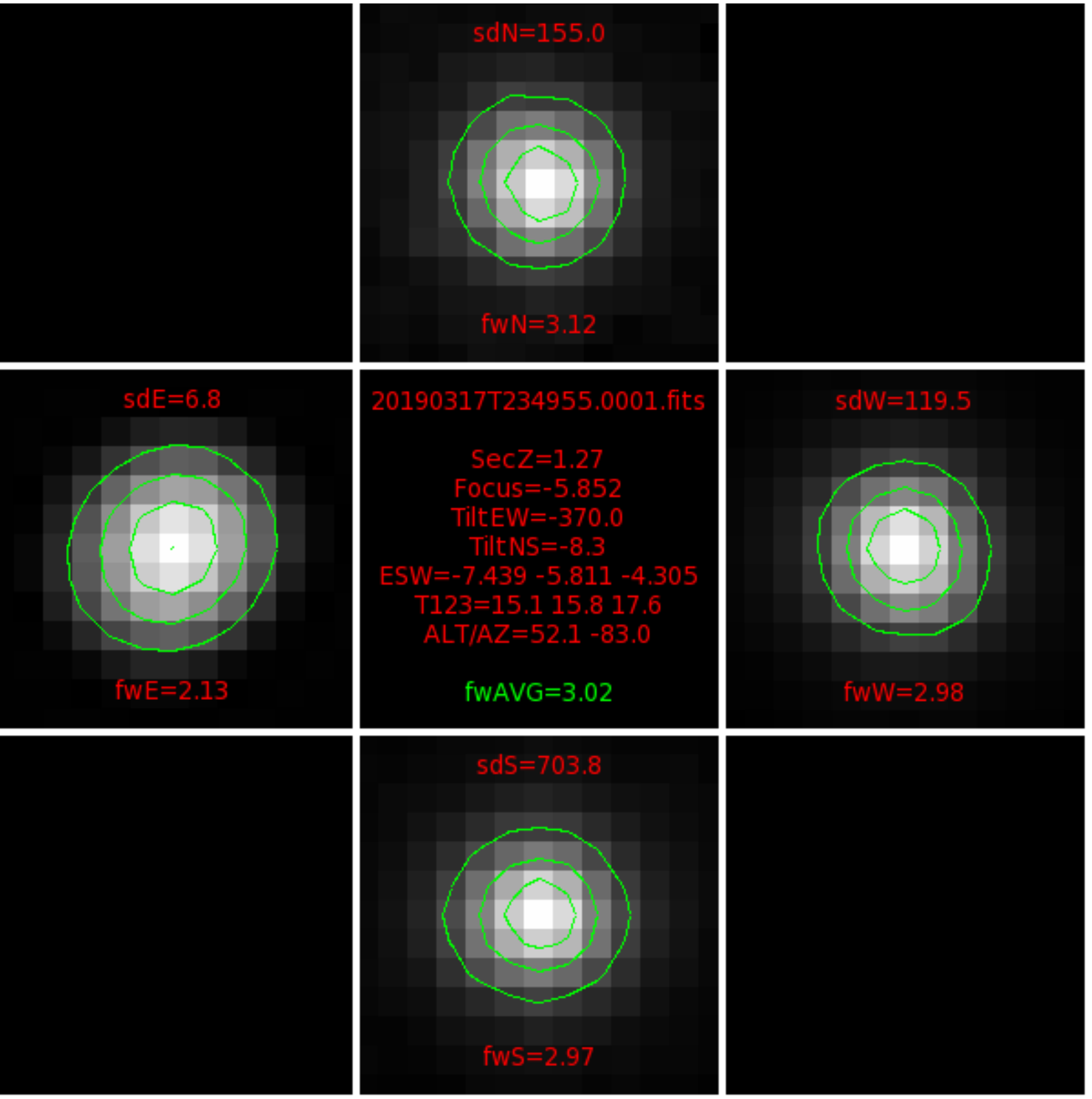
sdN=155.0
fwN=3.12
sdE=6.8
fwE=2.13
20190317T234955.0001.fits
SecZ=1.27
Focus=-5.852
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.439 -5.811 -4.305
T123=15.1 15.8 17.6
ALT/AZ=52.1 -83.0
fwAVG=3.02
sdW=119.5
fwW=2.98
sdS=703.8
fwS=2.97
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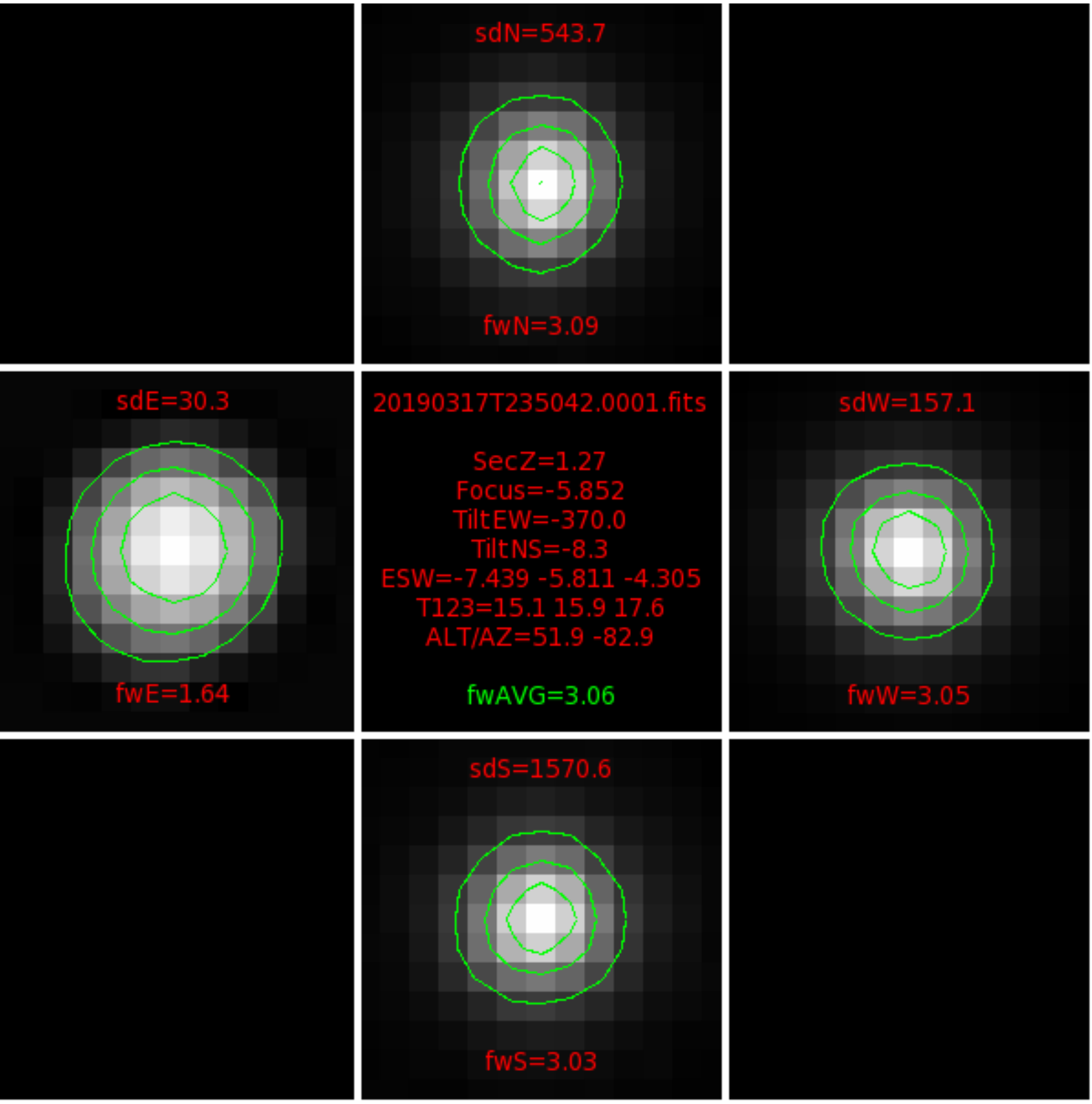
sdN=543.7
fwN=3.09
sdE=30.3
fwE=1.64
20190317T235042.0001.fits
SecZ=1.27
Focus=-5.852
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.439 -5.811 -4.305
T123=15.1 15.9 17.6
ALT/AZ=51.9 -82.9
fwAVG=3.06
sdW=157.1
fwW=3.05
sdS=1570.6
fwS=3.03
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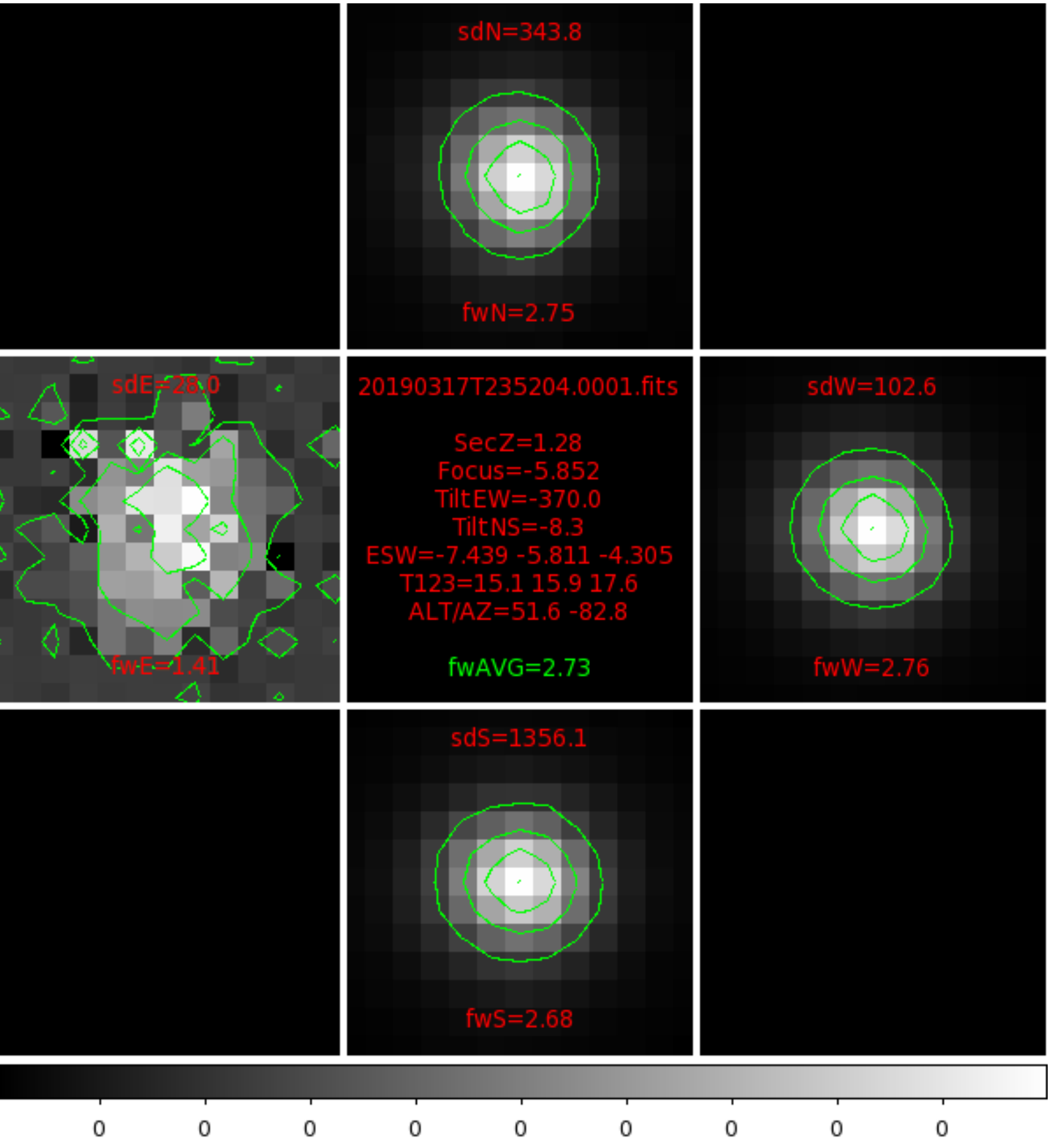
sdN=343.8
fwN=2.75
sdE=28.0
fwE=1.41
20190317T235204.0001.fits
SecZ=1.28
Focus=-5.852
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.439 -5.811 -4.305
T123=15.1 15.9 17.6
ALT/AZ=51.6 -82.8
fwAVG=2.73
sdW=102.6
fwW=2.76
sdS=1356.1
fwS=2.68
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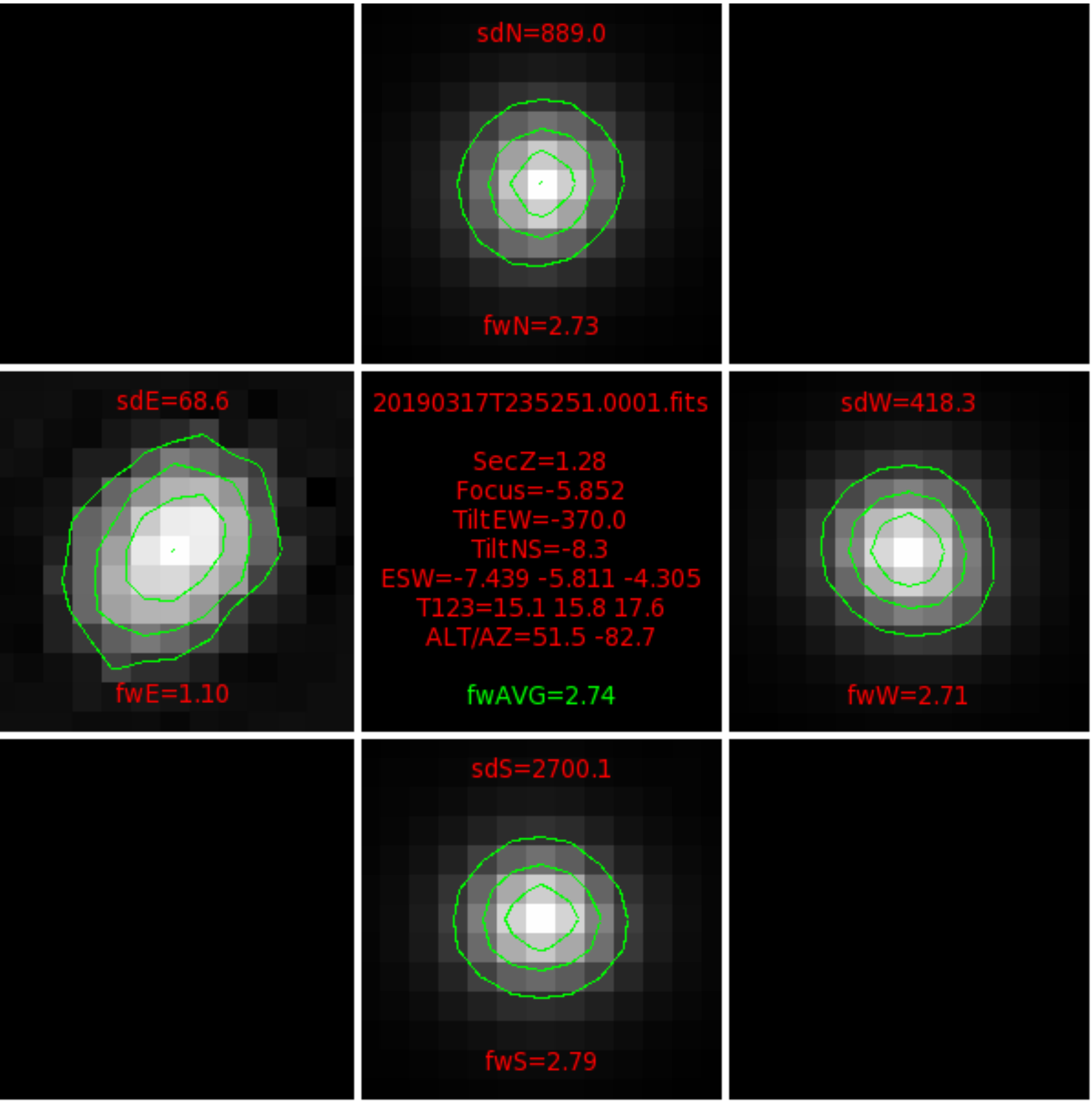
sdN=889.0
fwN=2.73
sdE=68.6
fwE=1.10
20190317T235251.0001.fits
SecZ=1.28
Focus=-5.852
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.439 -5.811 -4.305
T123=15.1 15.8 17.6
ALT/AZ=51.5 -82.7
fwAVG=2.74
sdW=418.3
fwW=2.71
sdS=2700.1
fwS=2.79
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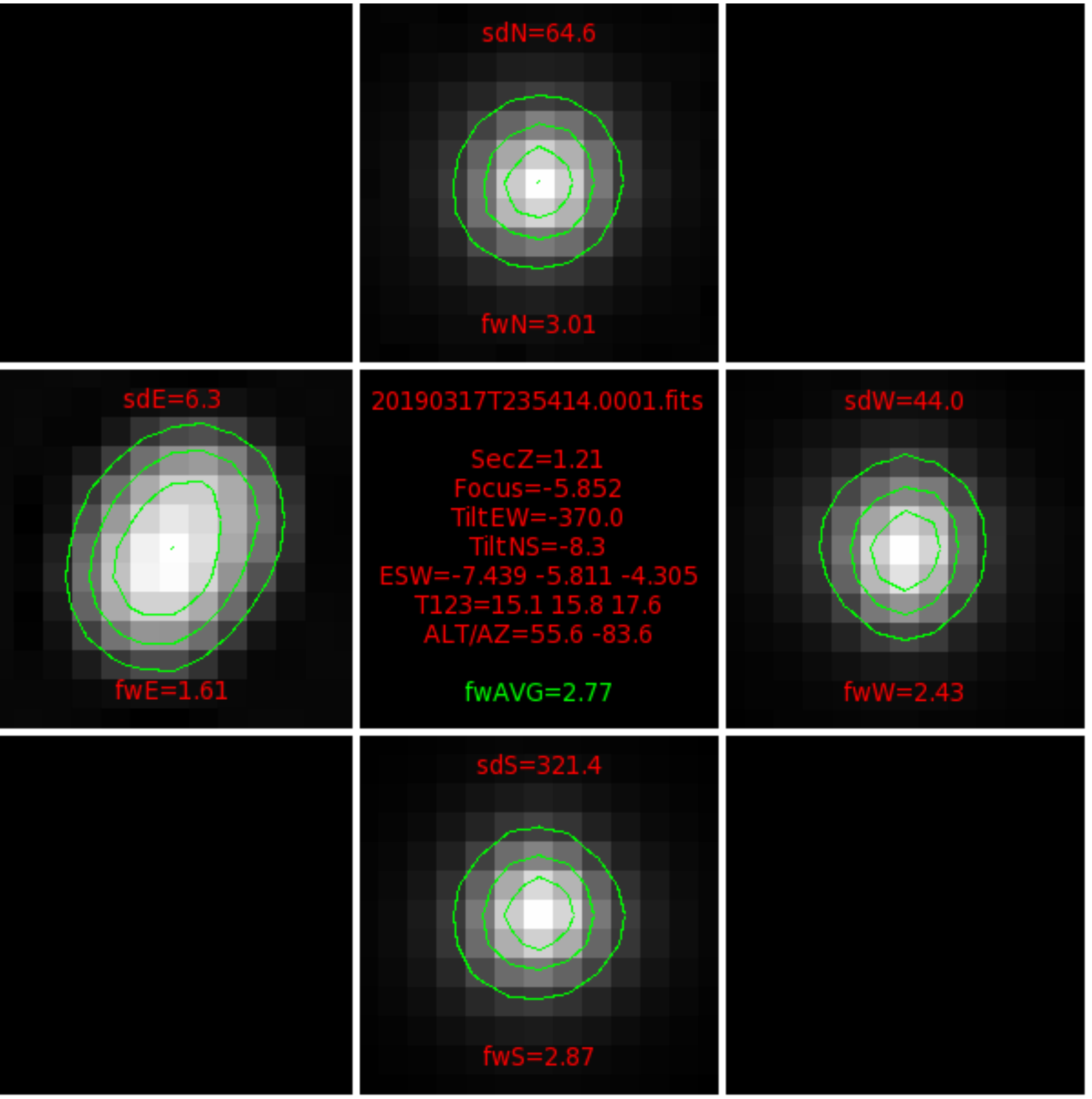
sdN=64.6
fwN=3.01
sdE=6.3
fwE=1.61
20190317T235414.0001.fits
SecZ=1.21
Focus=-5.852
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.439 -5.811 -4.305
T123=15.1 15.8 17.6
ALT/AZ=55.6 -83.6
fwAVG=2.77
sdW=44.0
fwW=2.43
sdS=321.4
fwS=2.87
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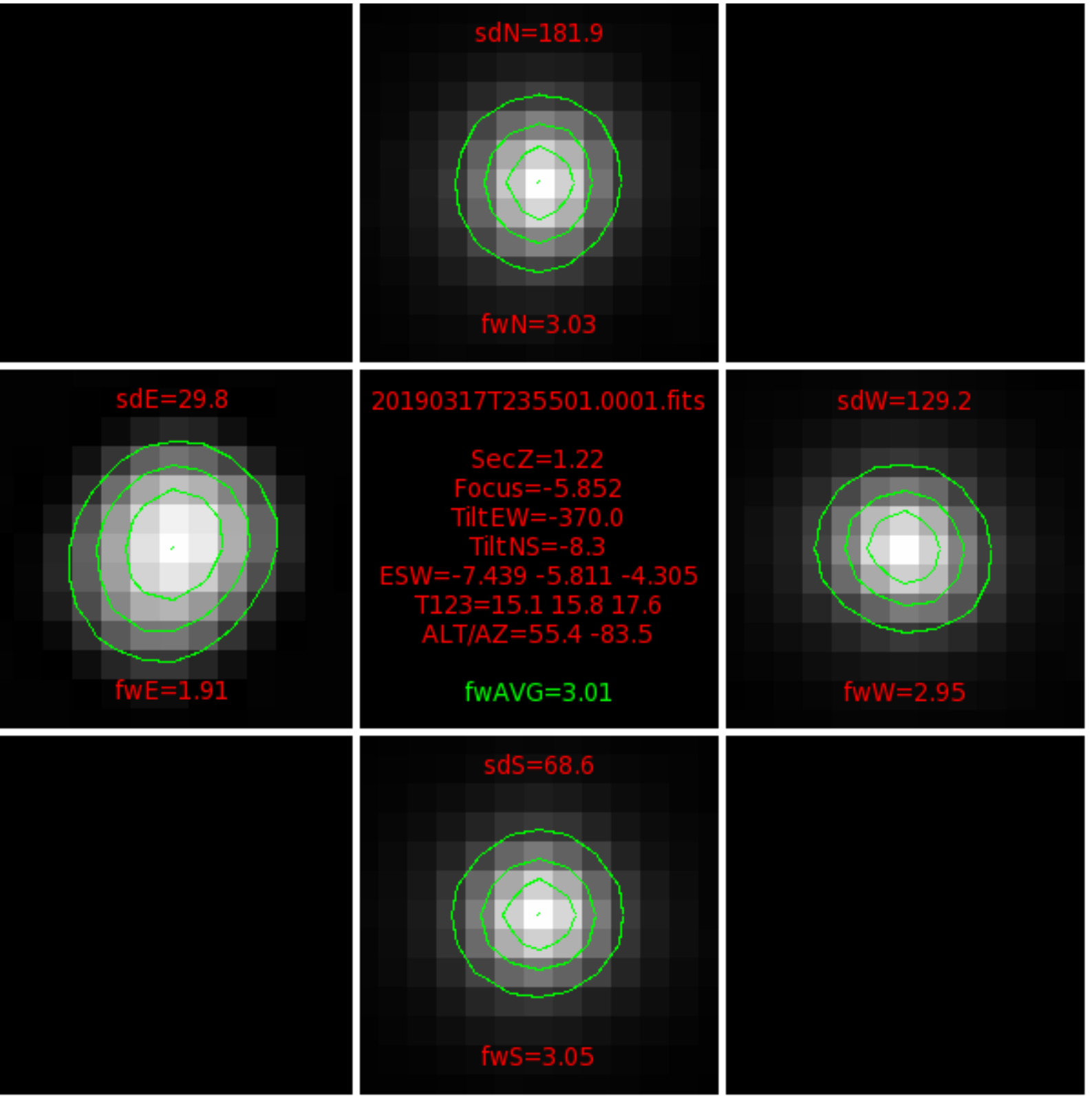
sdN=181.9
fwN=3.03
sdE=29.8
fwE=1.91
20190317T235501.0001.fits
SecZ=1.22
Focus=-5.852
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.439 -5.811 -4.305
T123=15.1 15.8 17.6
ALT/AZ=55.4 -83.5
fwAVG=3.01
sdW=129.2
fwW=2.95
sdS=68.6
fwS=3.05
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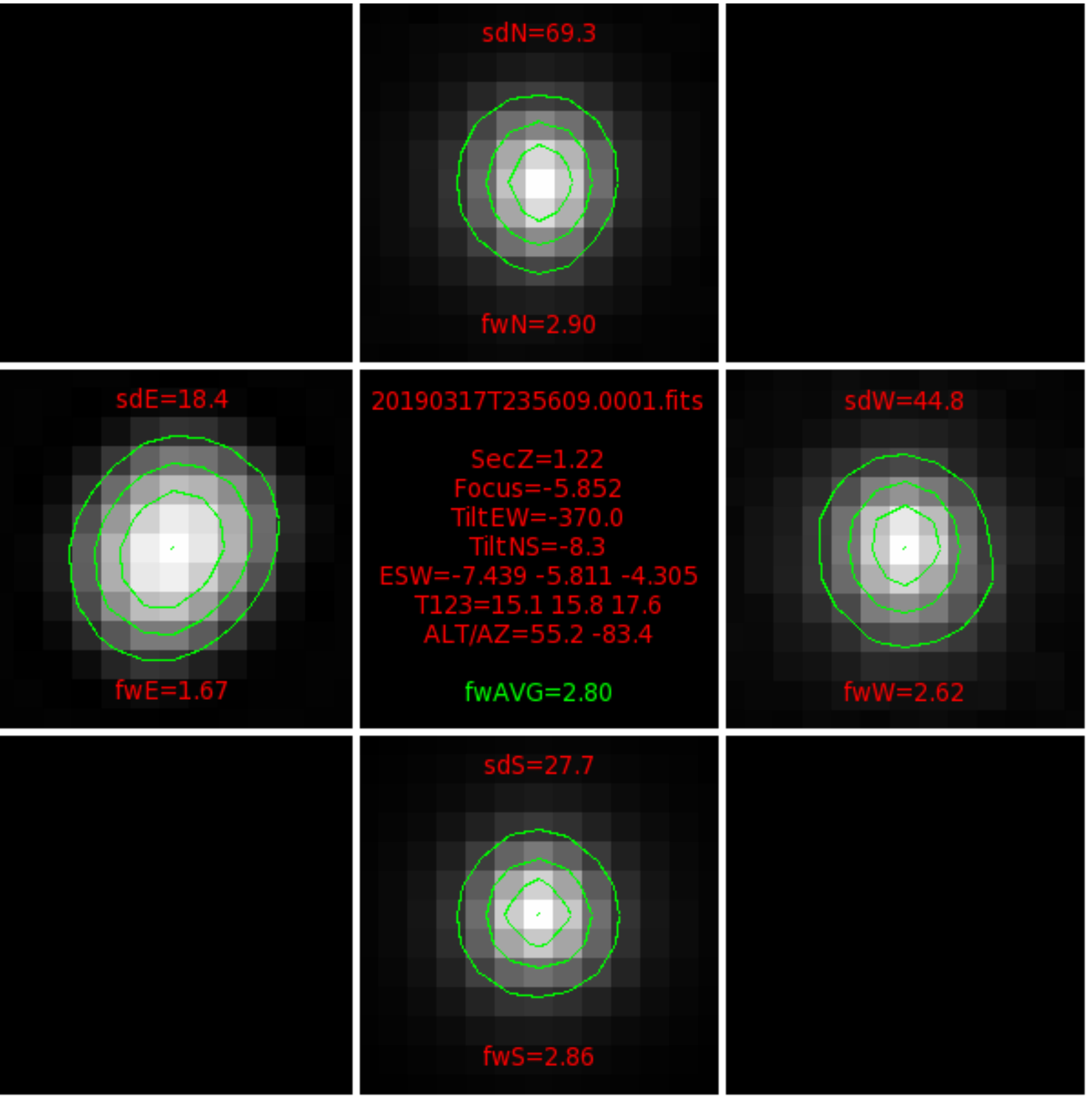
sdN=69.3
fwN=2.90
sdE=18.4
fwE=1.67
20190317T235609.0001.fits
SecZ=1.22
Focus=-5.852
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.439 -5.811 -4.305
T123=15.1 15.8 17.6
ALT/AZ=55.2 -83.4
fwAVG=2.80
sdW=44.8
fwW=2.62
sdS=27.7
fwS=2.86
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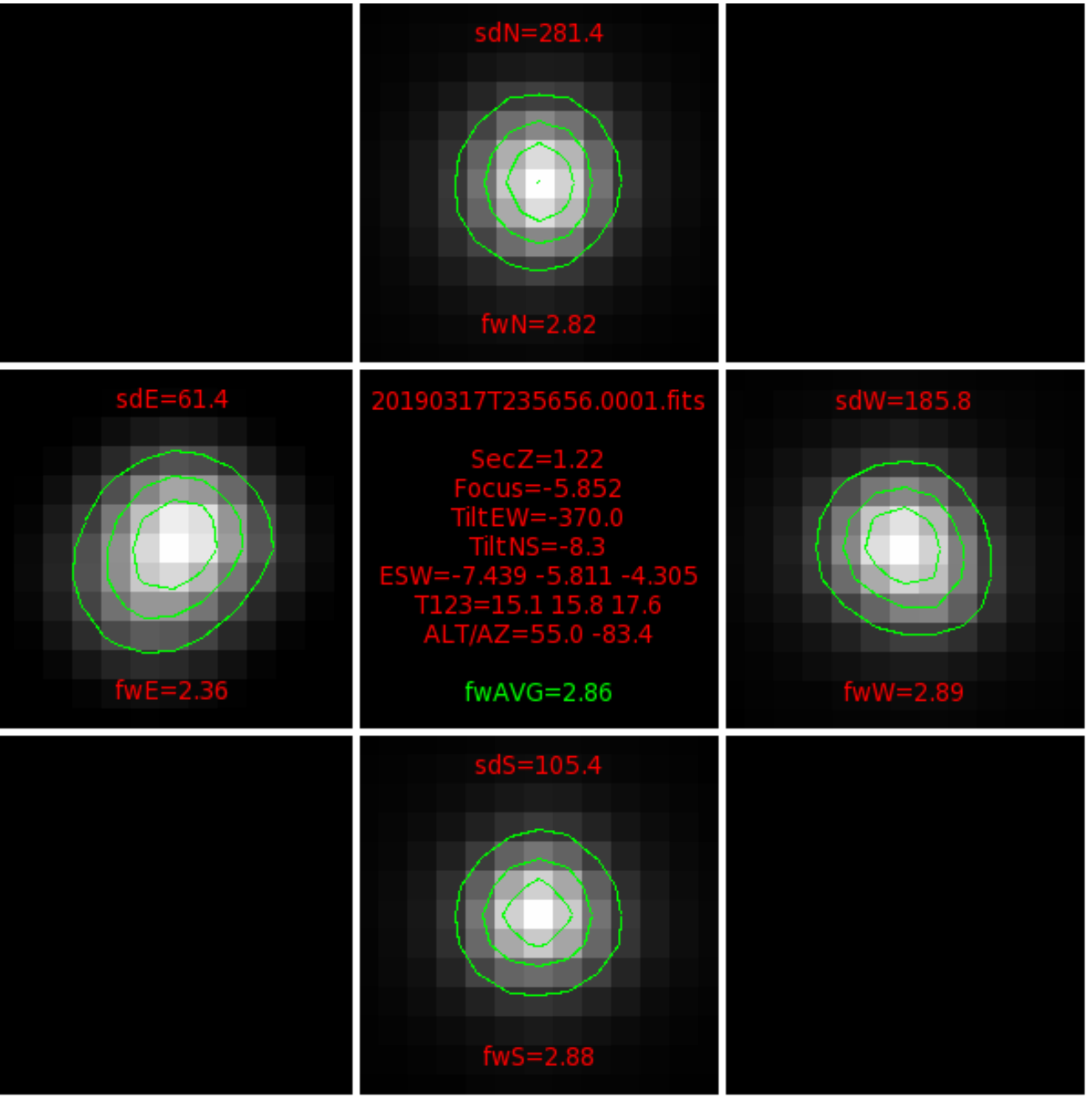
sdN=281.4
fwN=2.82
sdE=61.4
fwE=2.36
20190317T235656.0001.fits
SecZ=1.22
Focus=-5.852
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.439 -5.811 -4.305
T123=15.1 15.8 17.6
ALT/AZ=55.0 -83.4
fwAVG=2.86
sdW=185.8
fwW=2.89
sdS=105.4
fwS=2.88
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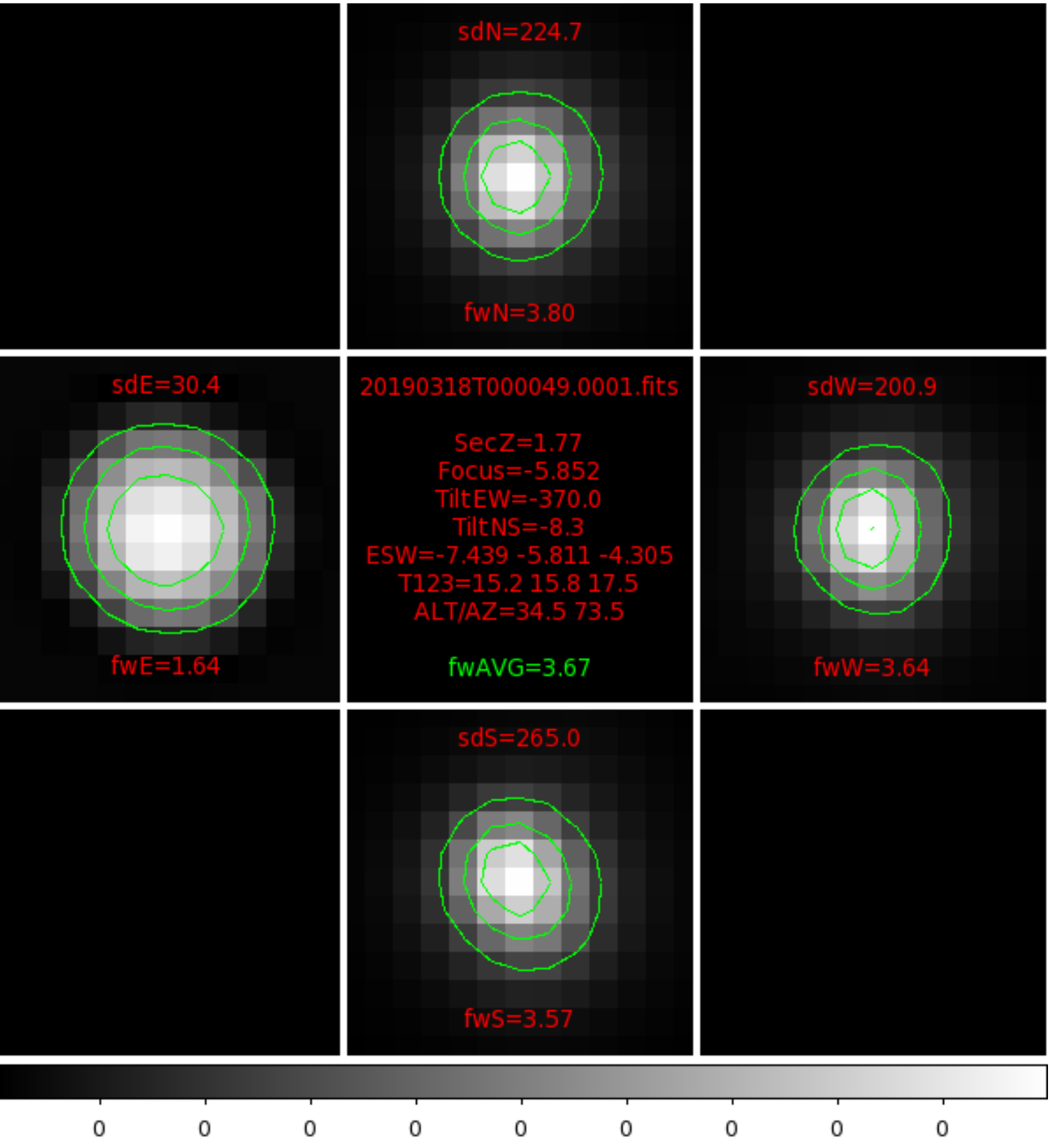
sdN=224.7
fwN=3.80
sdE=30.4
fwE=1.64
20190318T000049.0001.fits
SecZ=1.77
Focus=-5.852
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.439 -5.811 -4.305
T123=15.2 15.8 17.5
ALT/AZ=34.5 73.5
fwAVG=3.67
sdW=200.9
fwW=3.64
sdS=265.0
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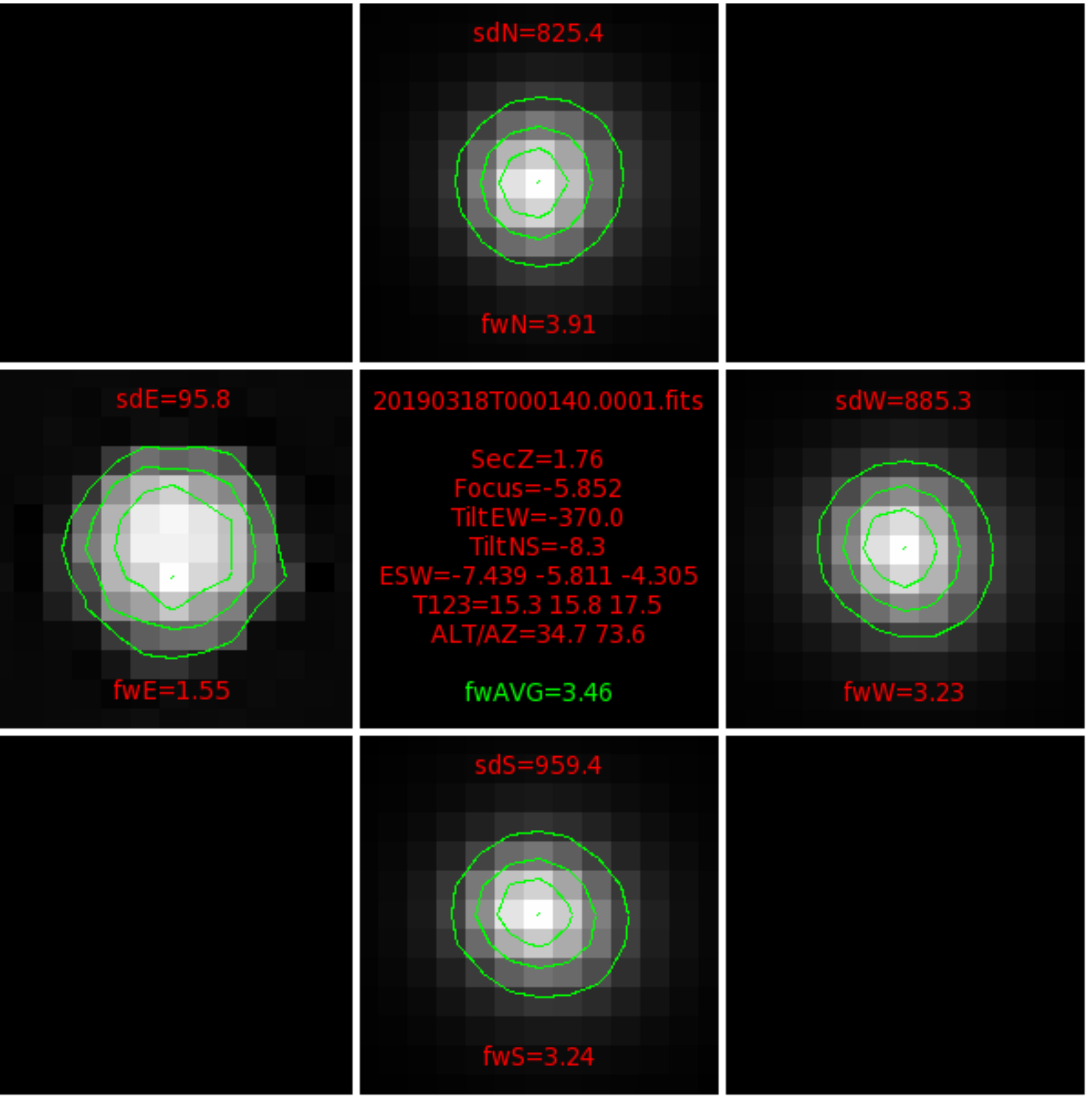
sdN=825.4
fwN=3.91
sdE=95.8
fwE=1.55
20190318T000140.0001.fits
SecZ=1.76
Focus=-5.852
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.439 -5.811 -4.305
T123=15.3 15.8 17.5
ALT/AZ=34.7 73.6
fwAVG=3.46
sdW=885.3
fwW=3.23
sdS=959.4
fwS=3.24
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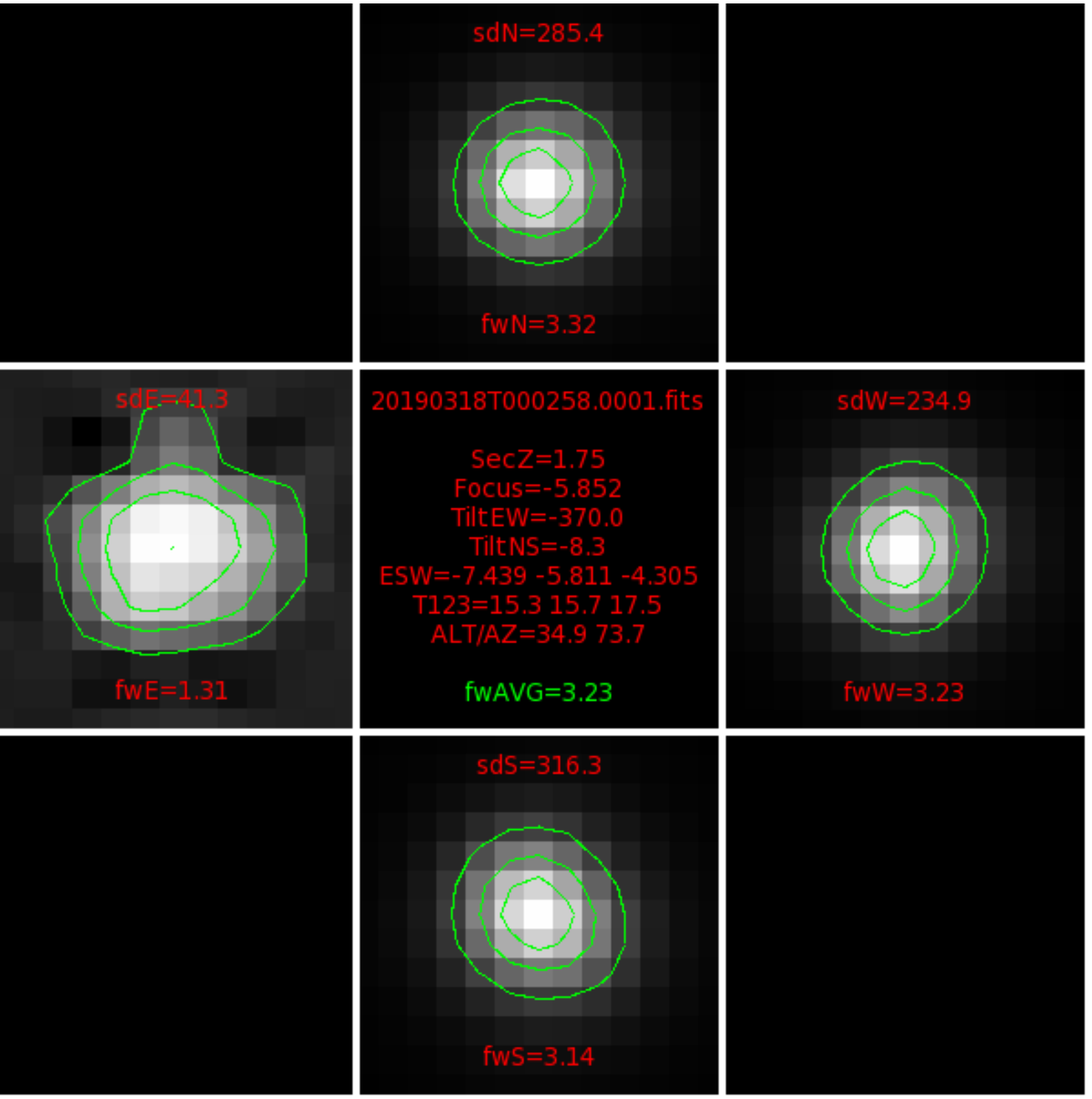
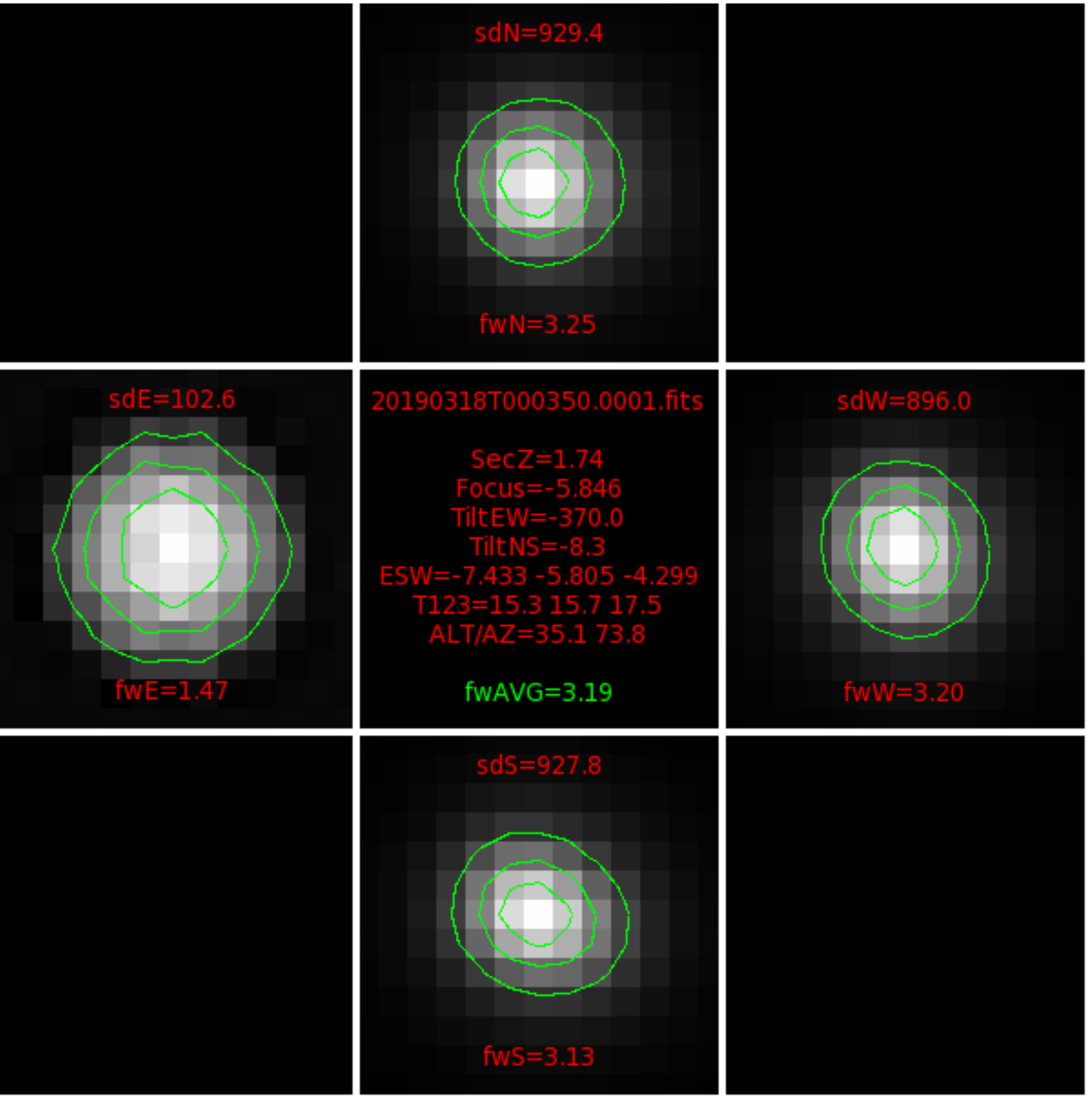

sdN=285.4
fwN=3.32
sdE=41.3
fwE=1.31
20190318T000258.0001.fits
SecZ=1.75
Focus=-5.852
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.439 -5.811 -4.305
T123=15.3 15.7 17.5
ALT/AZ=34.9 73.7
fwAVG=3.23
sdW=234.9
fwW=3.23
sdS=316.3
fwS=3.14
0 0 0 0 0 0 0 0 0


sdN=929.4
fwN=3.25
sdE=102.6
fwE=1.47
20190318T000350.0001.fits
SecZ=1.74
Focus=-5.846
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.433 -5.805 -4.299
T123=15.3 15.7 17.5
ALT/AZ=35.1 73.8
fwAVG=3.19
sdW=896.0
fwW=3.20
sdS=927.8
fwS=3.13
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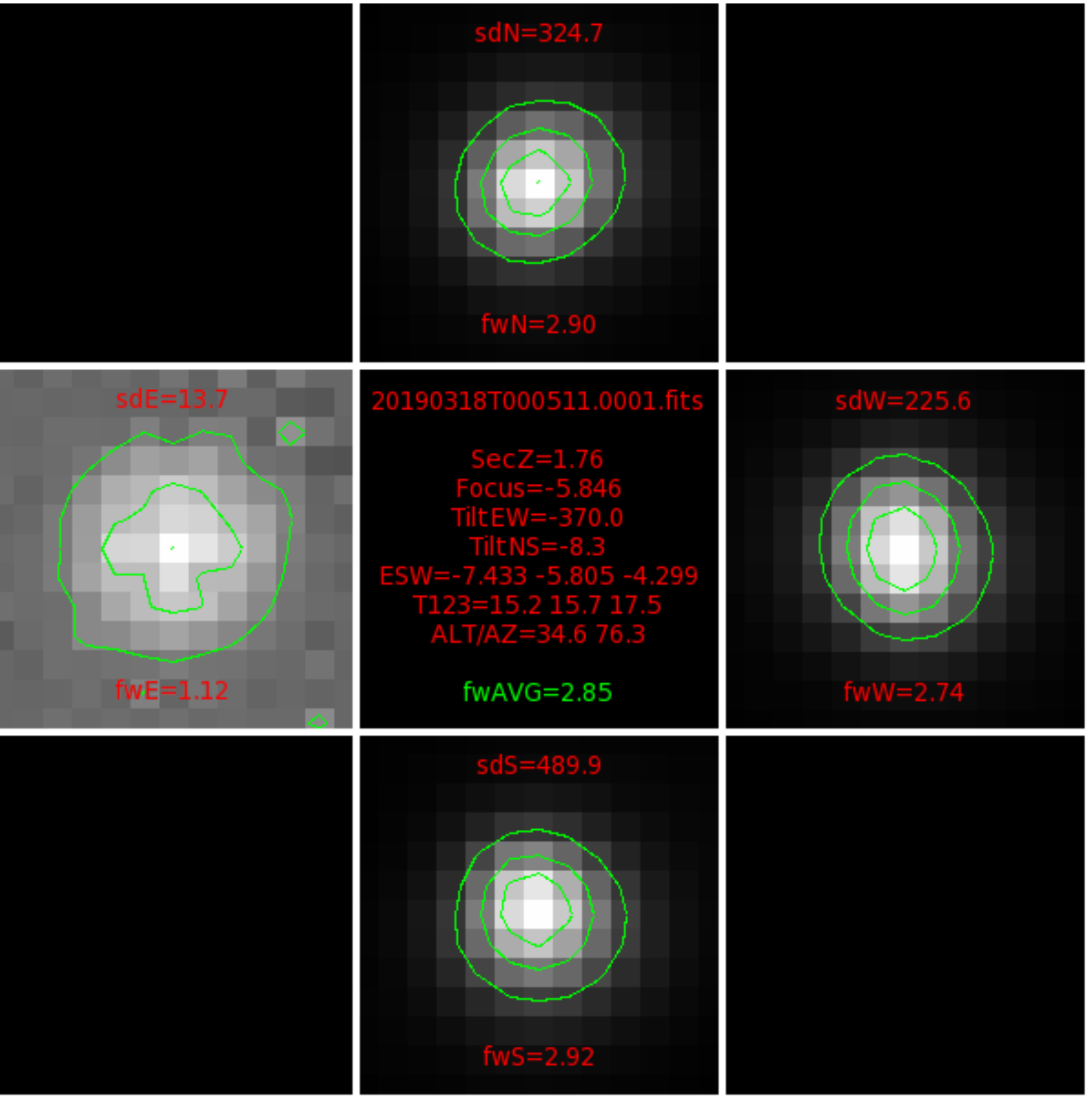
sdN=324.7
fwN=2.90
sdE=13.7
fwE=1.12
20190318T000511.0001.fits
SecZ=1.76
Focus=-5.846
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.433 -5.805 -4.299
T123=15.2 15.7 17.5
ALT/AZ=34.6 76.3
fwAVG=2.85
sdW=225.6
fwW=2.74
sdS=489.9
fwS=2.92
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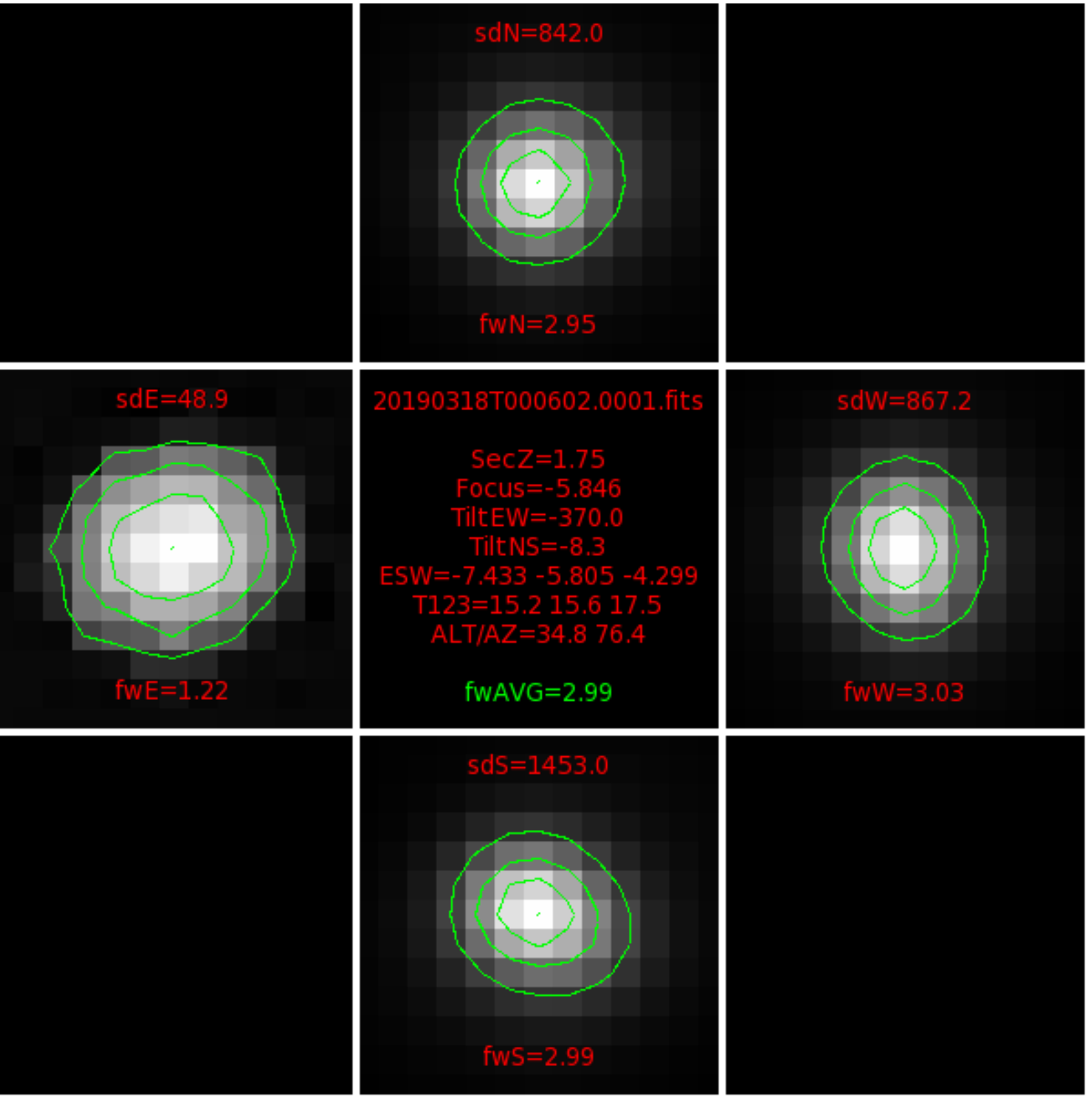
sdN=842.0
fwN=2.95
sdE=48.9
fwE=1.22
20190318T000602.0001.fits
SecZ=1.75
Focus=-5.846
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.433 -5.805 -4.299
T123=15.2 15.6 17.5
ALT/AZ=34.8 76.4
fwAVG=2.99
sdW=867.2
fwW=3.03
sdS=1453.0
fwS=2.99
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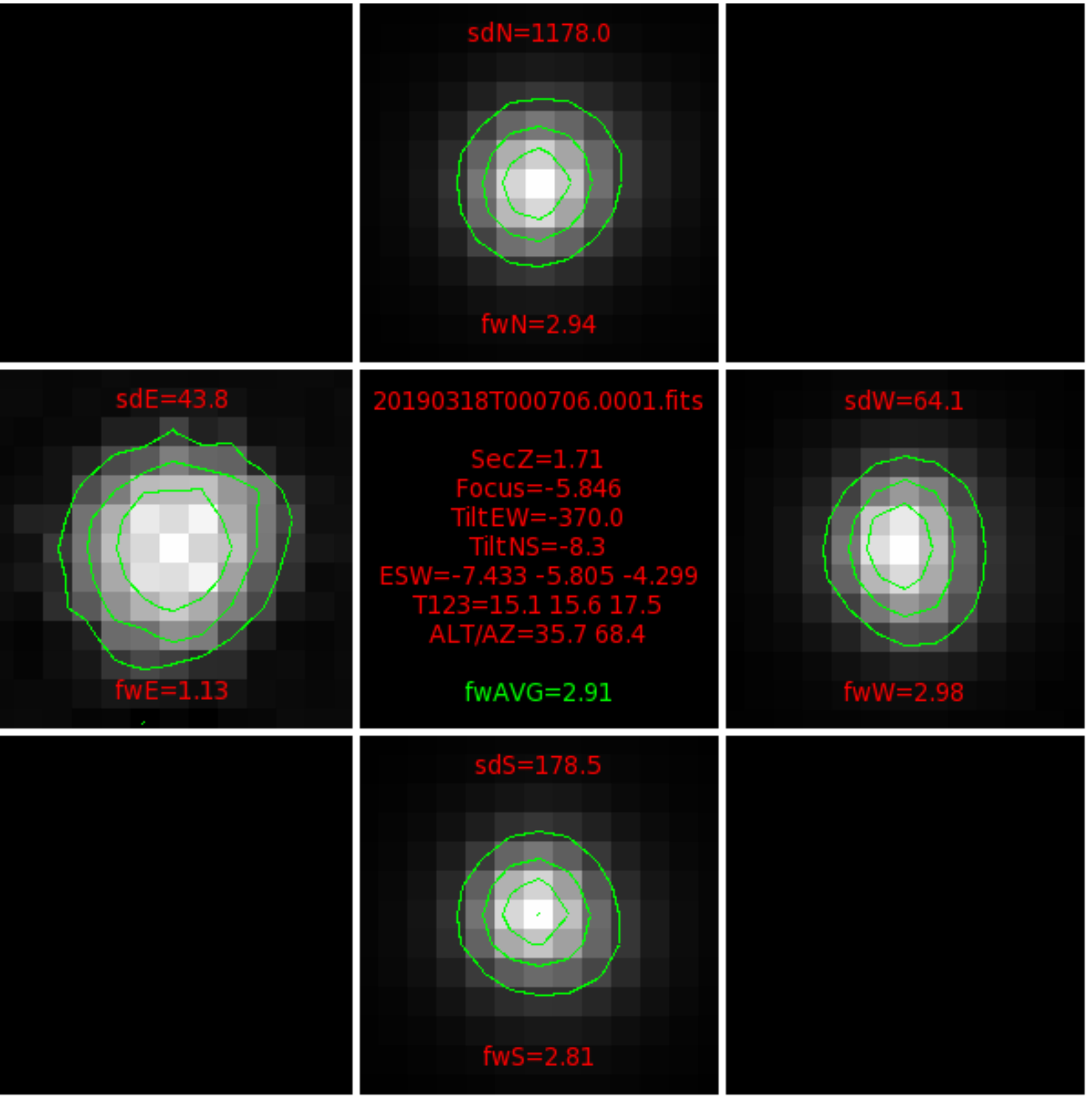
sdN=1178.0
fwN=2.94
sdE=43.8
fwE=1.13
20190318T000706.0001.fits
SecZ=1.71
Focus=-5.846
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.433 -5.805 -4.299
T123=15.1 15.6 17.5
ALT/AZ=35.7 68.4
fwAVG=2.91
sdW=64.1
fwW=2.98
sdS=178.5
fwS=2.81
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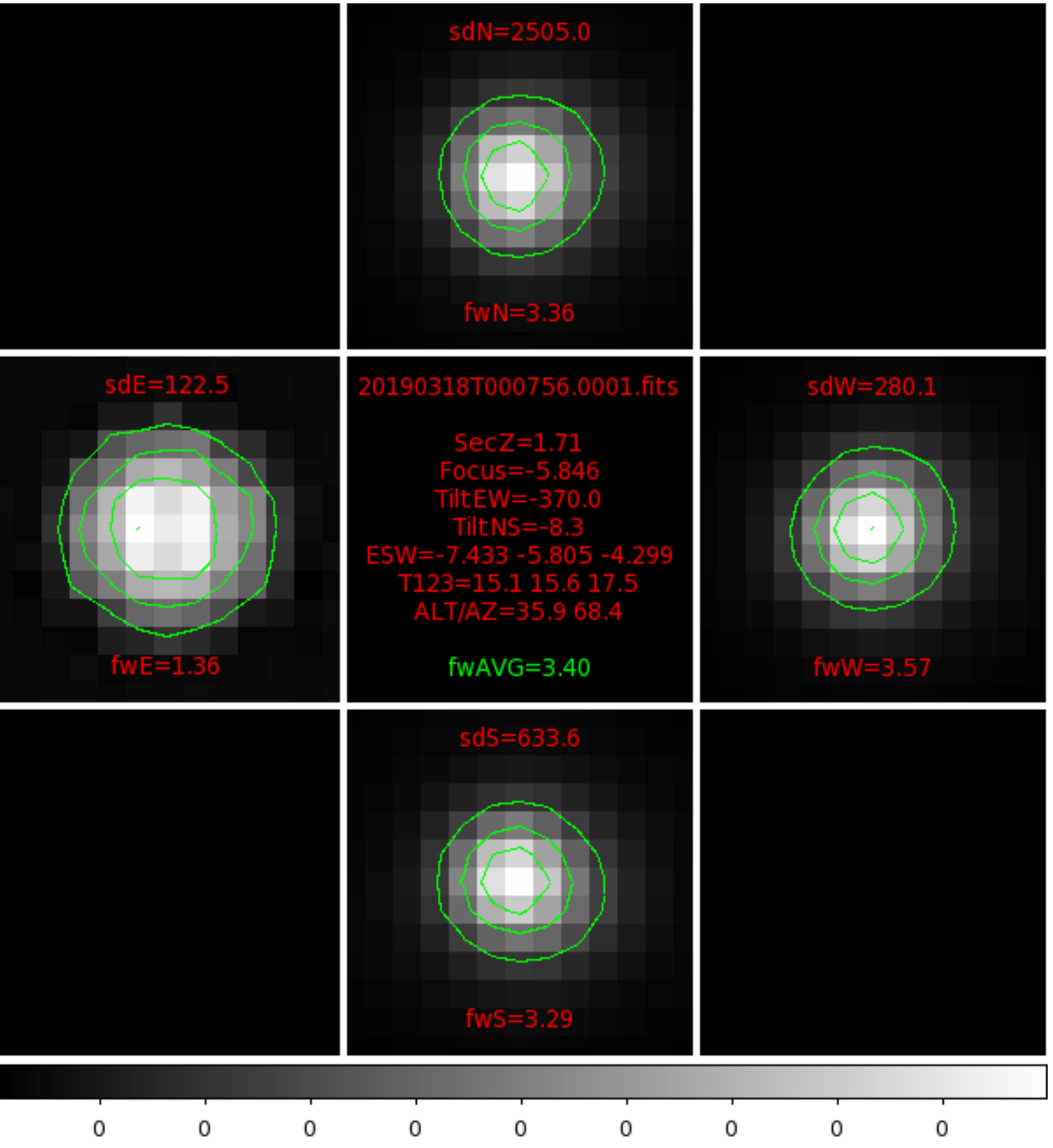
sdN=2505.0
fwN=3.36
sdE=122.5
fwE=1.36
20190318T000756.0001.fits
SecZ=1.71
Focus=-5.846
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.433 -5.805 -4.299
T123=15.1 15.6 17.5
ALT/AZ=35.9 68.4
fwAVG=3.40
sdW=280.1
fwW=3.57
sdS=633.6
fwS=3.29
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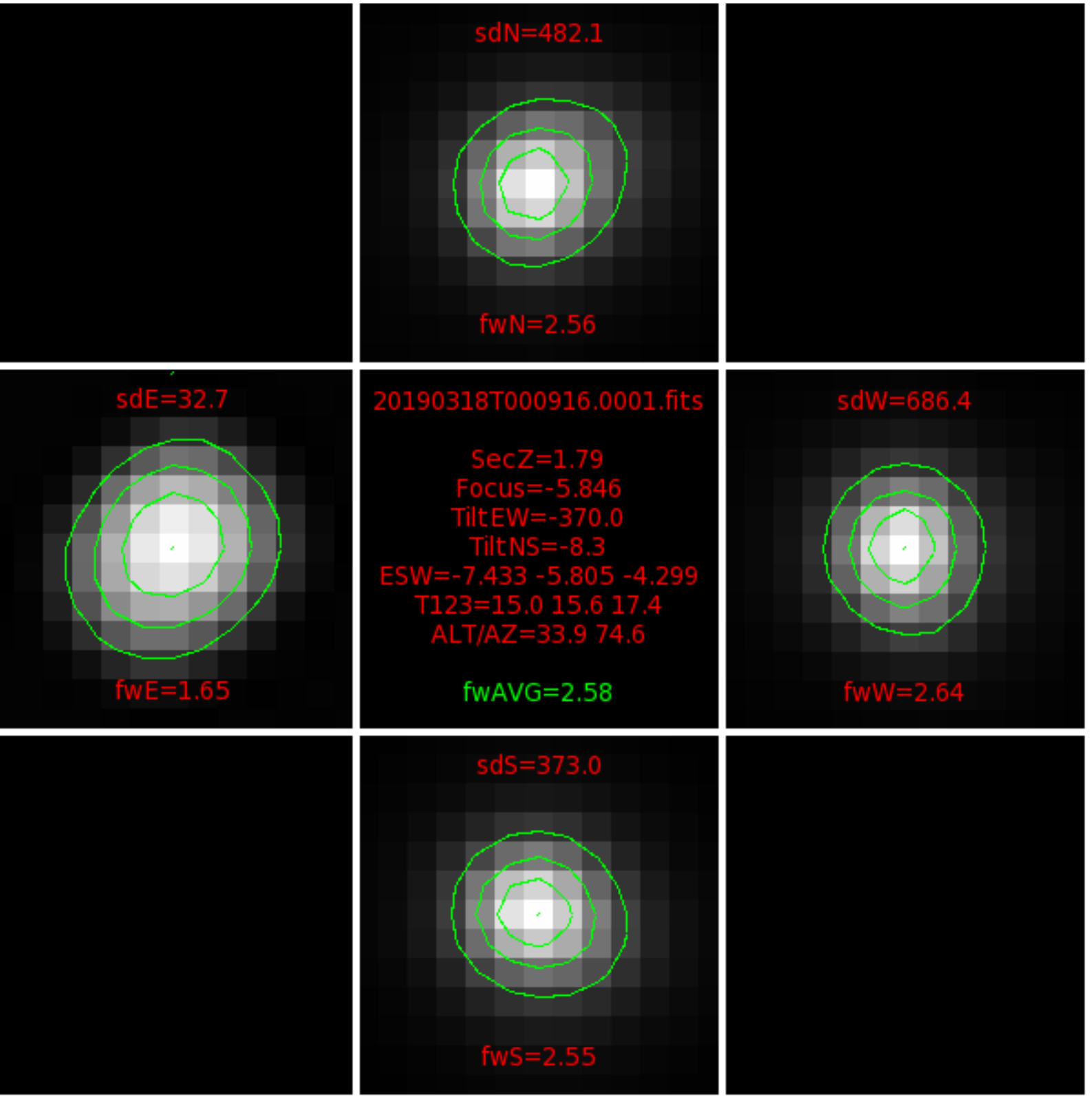
sdN=482.1
fwN=2.56
sdE=32.7
fwE=1.65
20190318T000916.0001.fits
SecZ=1.79
Focus=-5.846
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.433 -5.805 -4.299
T123=15.0 15.6 17.4
ALT/AZ=33.9 74.6
fwAVG=2.58
sdW=686.4
fwW=2.64
sdS=373.0
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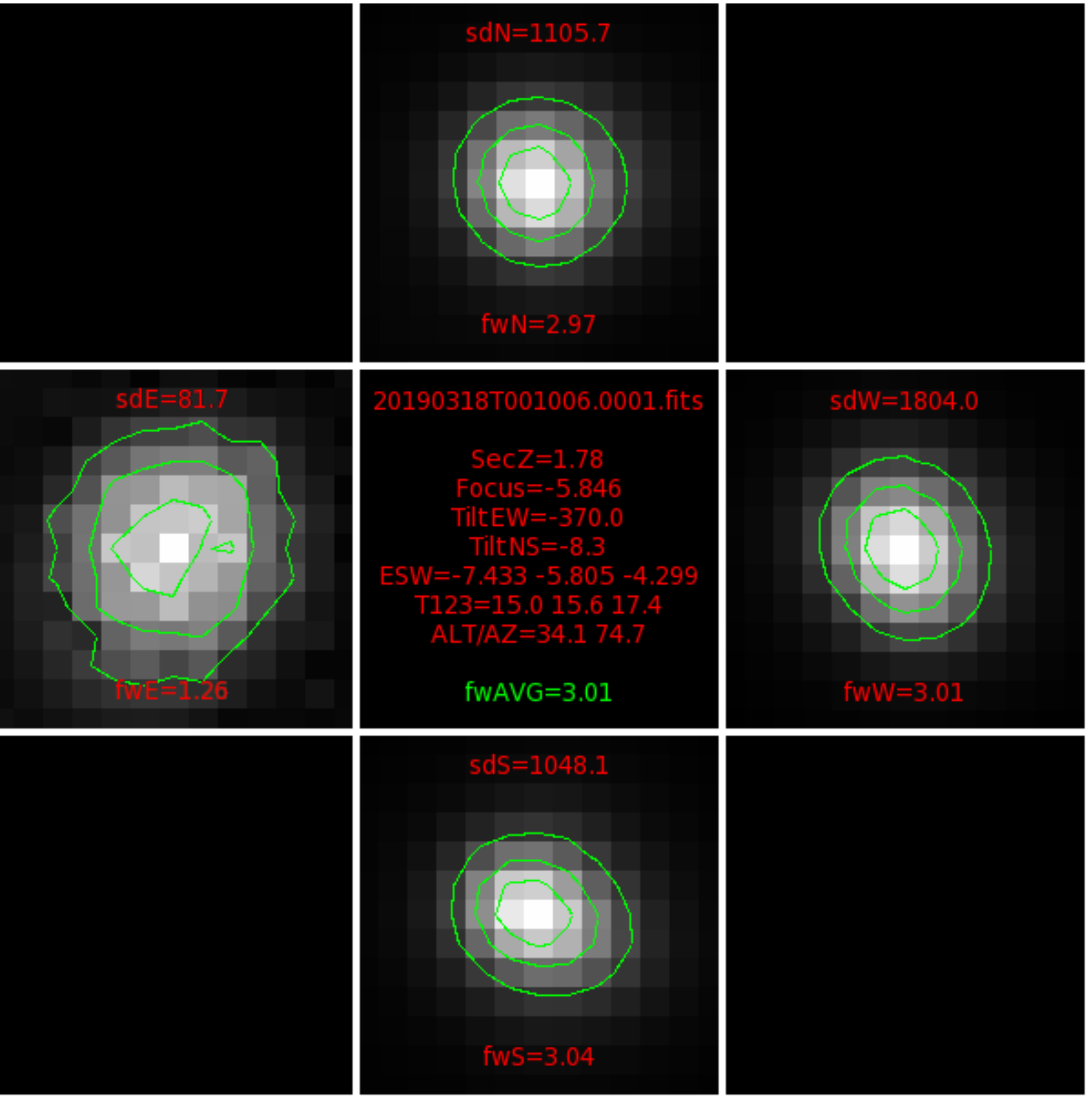
sdN=1105.7
fwN=2.97
sdE=81.7
fwE=1.26
20190318T001006.0001.fits
SecZ=1.78
Focus=-5.846
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.433 -5.805 -4.299
T123=15.0 15.6 17.4
ALT/AZ=34.1 74.7
fwAVG=3.01
sdW=1804.0
fwW=3.01
sdS=1048.1
fwS=3.04
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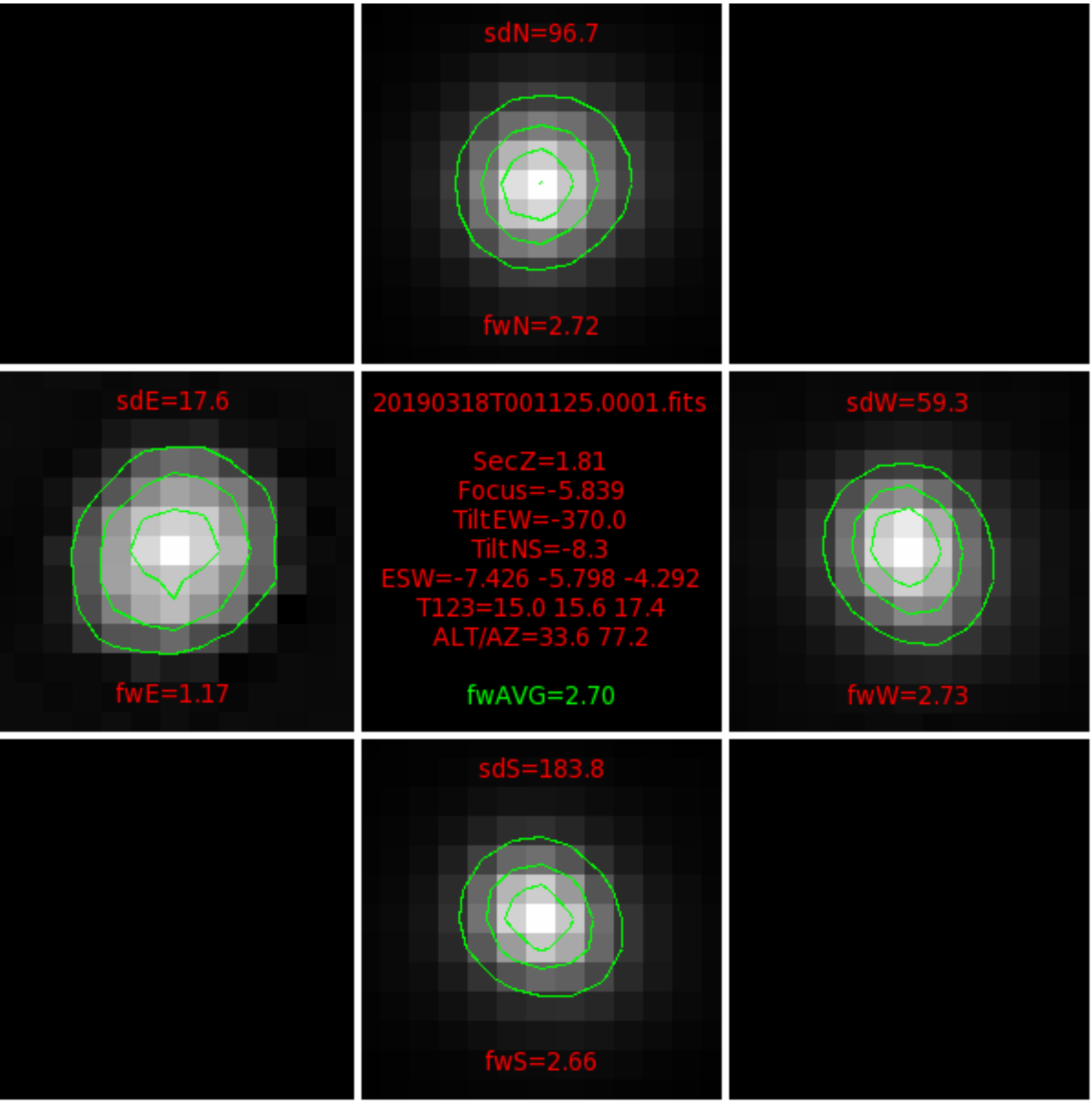
sdN=96.7
fwN=2.72
sdE=17.6
fwE=1.17
20190318T001125.0001.fits
SecZ=1.81
Focus=-5.839
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.426 -5.798 -4.292
T123=15.0 15.6 17.4
ALT/AZ=33.6 77.2
fwAVG=2.70
sdW=59.3
fwW=2.73
sdS=183.8
fwS=2.66
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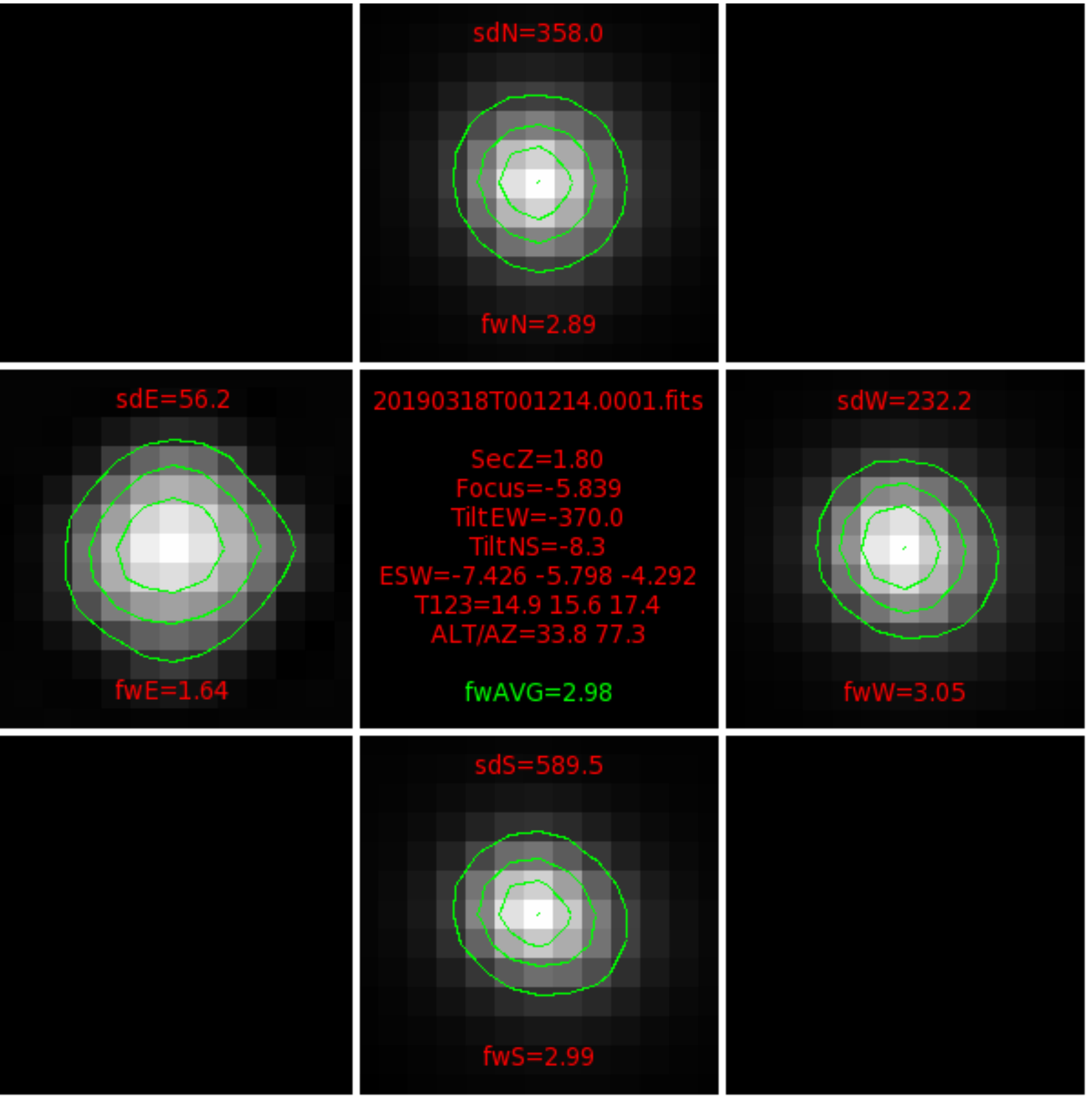
sdN=358.0
fwN=2.89
sdE=56.2
fwE=1.64
20190318T001214.0001.fits
SecZ=1.80
Focus=-5.839
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.426 -5.798 -4.292
T123=14.9 15.6 17.4
ALT/AZ=33.8 77.3
fwAVG=2.98
sdW=232.2
fwW=3.05
sdS=589.5
fwS=2.99
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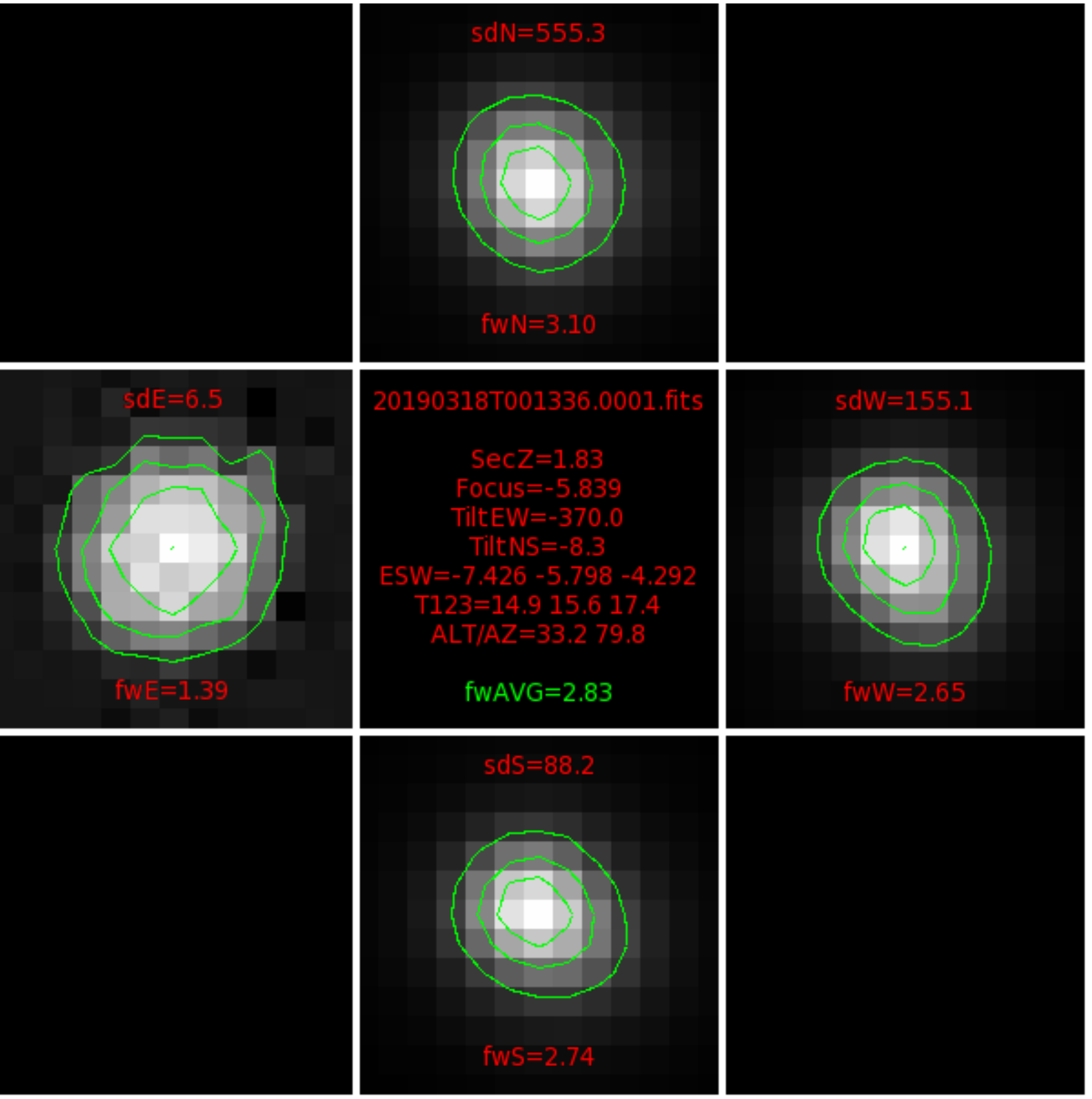
sdN=555.3
fwN=3.10
sdE=6.5
fwE=1.39
20190318T001336.0001.fits
SecZ=1.83
Focus=-5.839
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.426 -5.798 -4.292
T123=14.9 15.6 17.4
ALT/AZ=33.2 79.8
fwAVG=2.83
sdW=155.1
fwW=2.65
sdS=88.2
fwS=2.74
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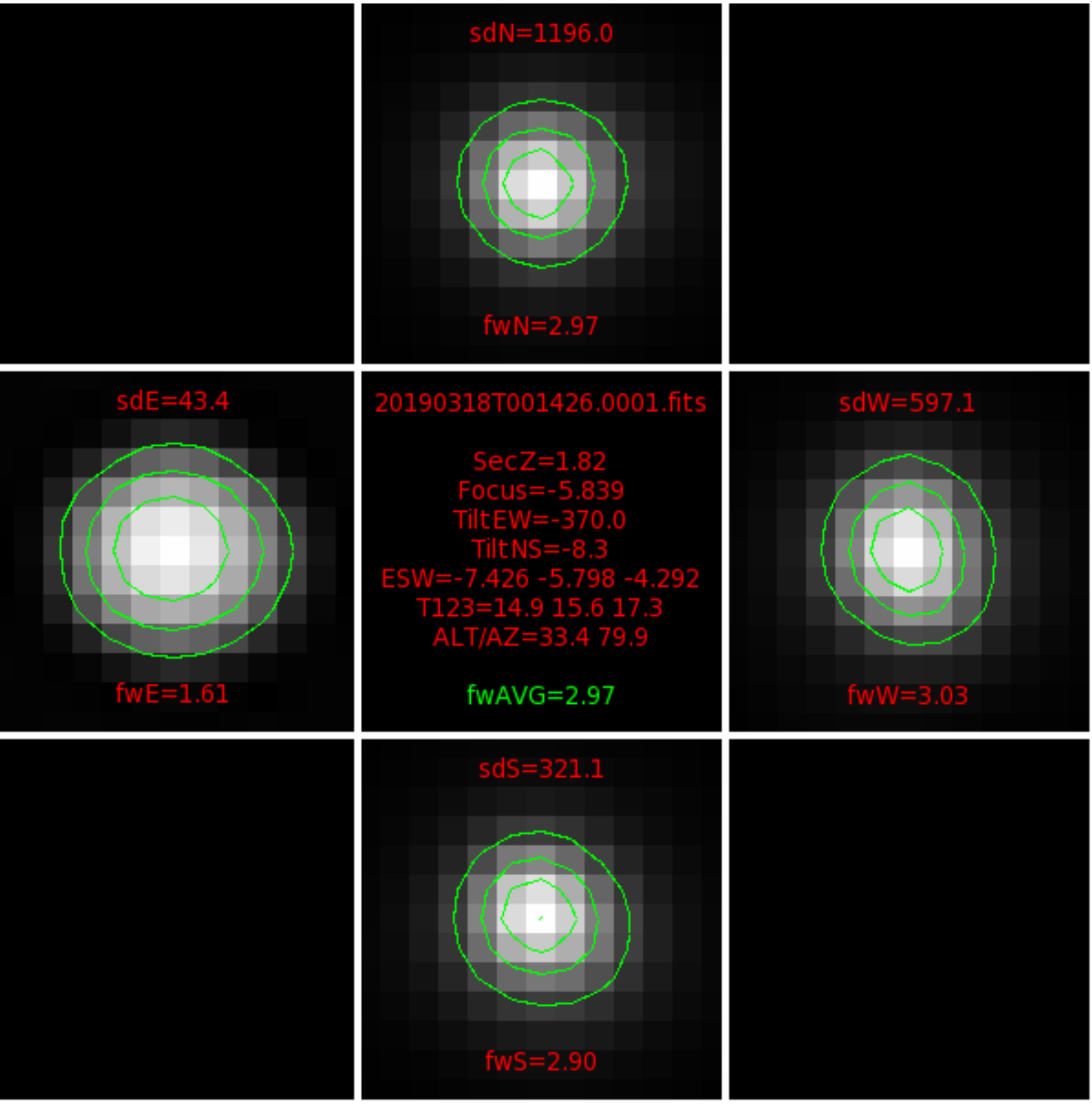
sdN=1196.0
fwN=2.97
sdE=43.4
fwE=1.61
20190318T001426.0001.fits
SecZ=1.82
Focus=-5.839
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.426 -5.798 -4.292
T123=14.9 15.6 17.3
ALT/AZ=33.4 79.9
fwAVG=2.97
sdW=597.1
fwW=3.03
sdS=321.1
fwS=2.90
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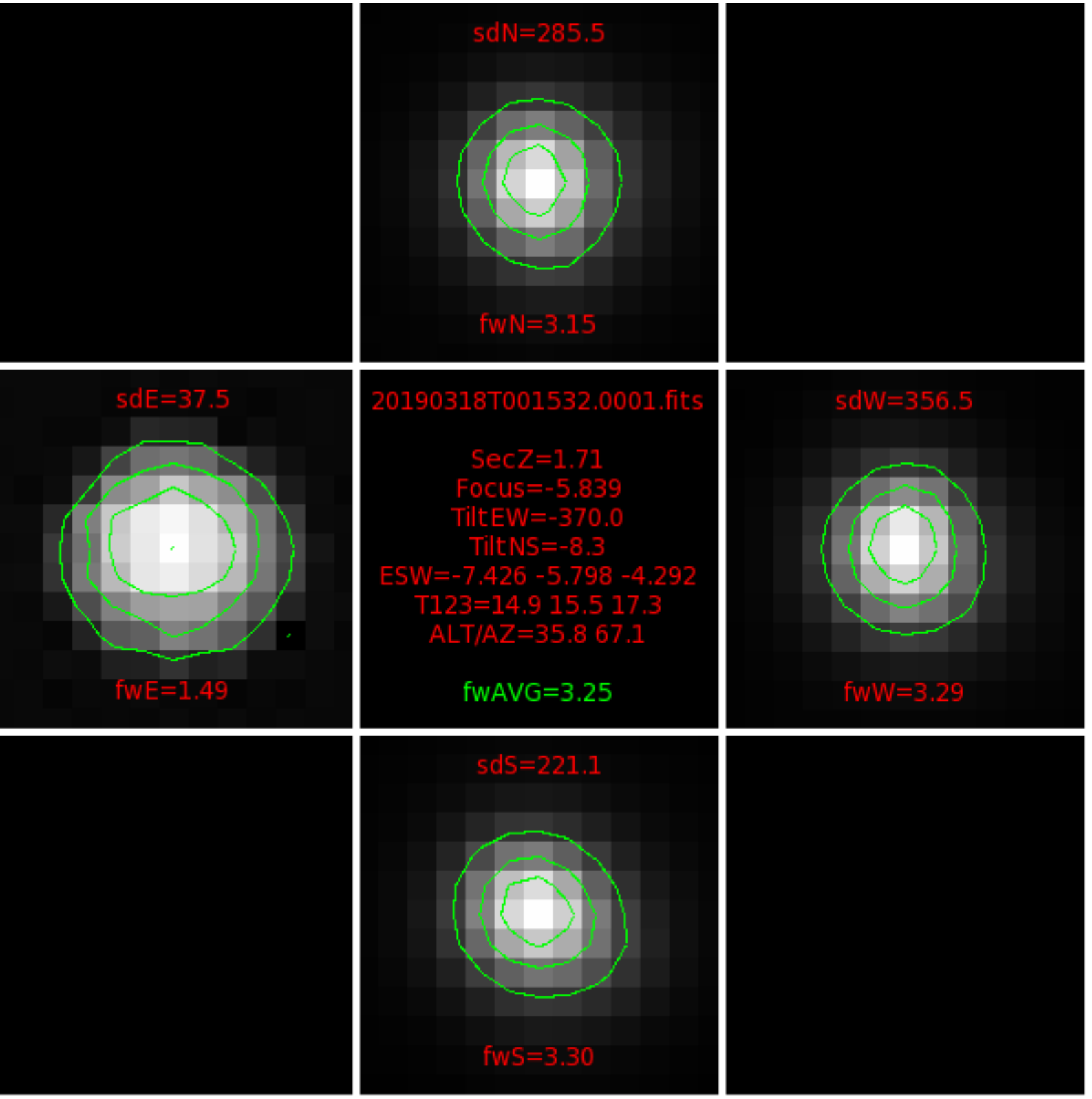
sdN=285.5
fwN=3.15
sdE=37.5
fwE=1.49
20190318T001532.0001.fits
SecZ=1.71
Focus=-5.839
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.426 -5.798 -4.292
T123=14.9 15.5 17.3
ALT/AZ=35.8 67.1
fwAVG=3.25
sdW=356.5
fwW=3.29
sdS=221.1
fwS=3.30
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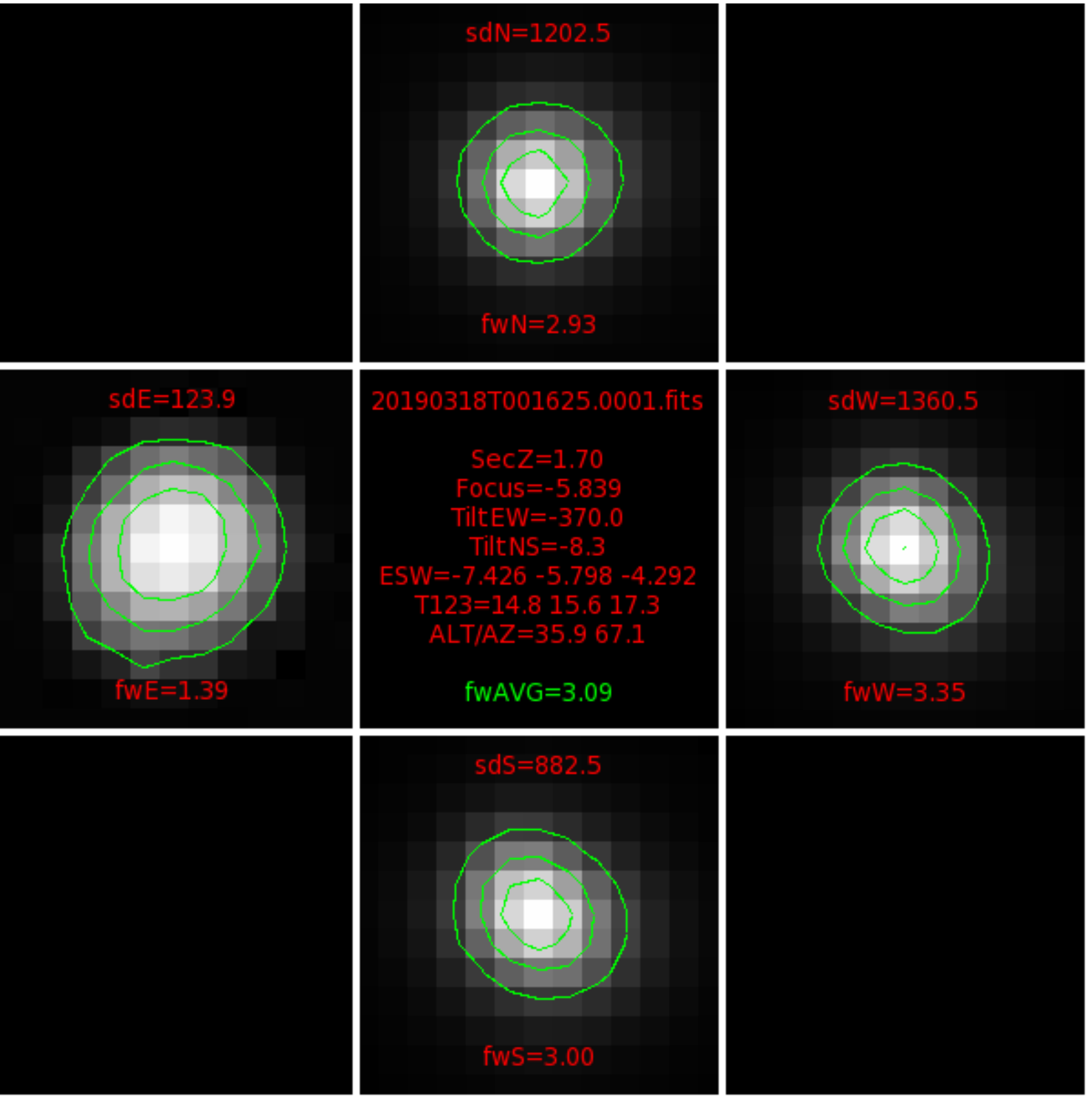
sdN=1202.5
fwN=2.93
sdE=123.9
fwE=1.39
20190318T001625.0001.fits
SecZ=1.70
Focus=-5.839
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.426 -5.798 -4.292
T123=14.8 15.6 17.3
ALT/AZ=35.9 67.1
fwAVG=3.09
sdW=1360.5
fwW=3.35
sdS=882.5
fwS=3.00
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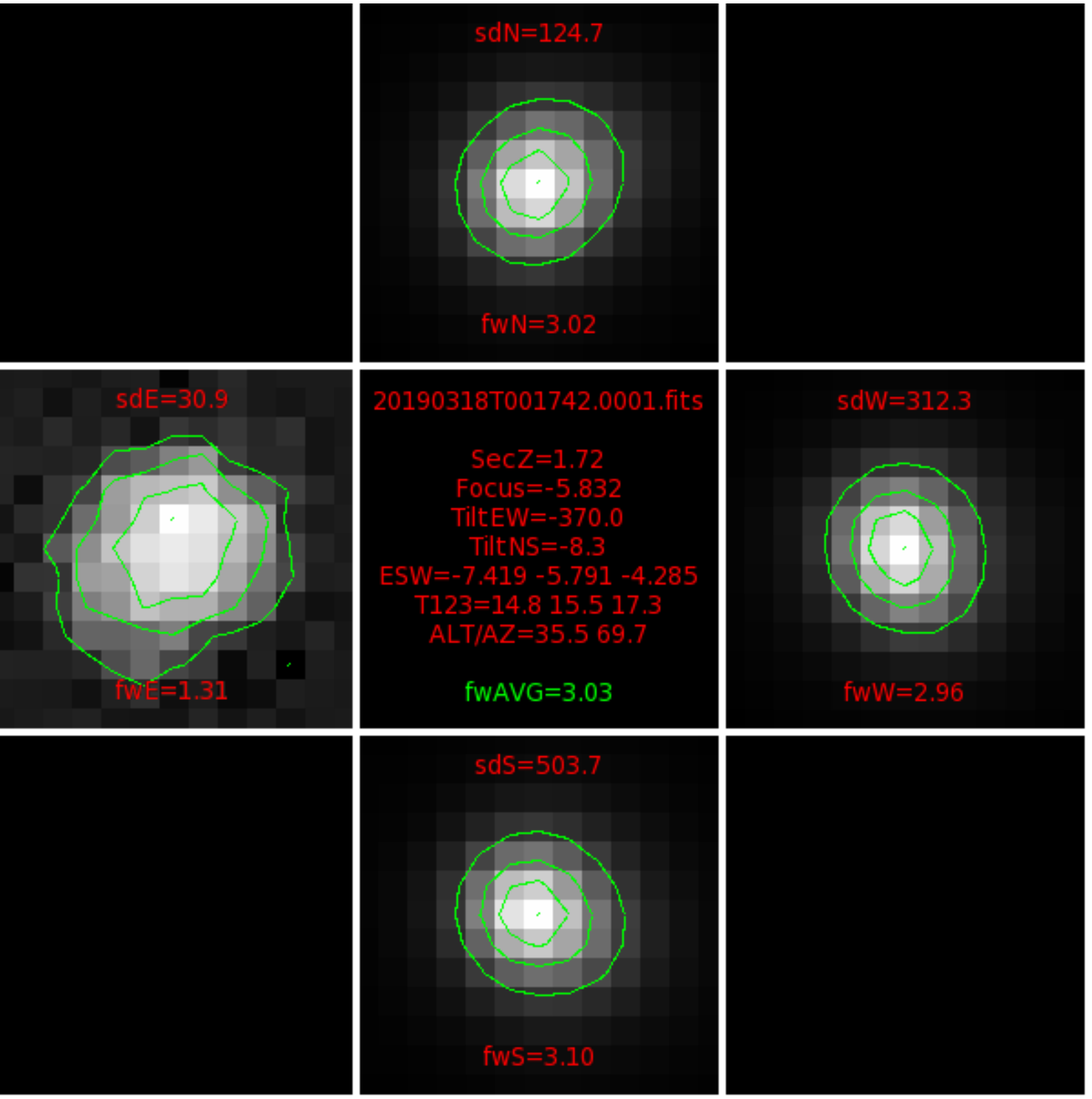
sdN=124.7
fwN=3.02
sdE=30.9
fwE=1.31
20190318T001742.0001.fits
SecZ=1.72
Focus=-5.832
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.419 -5.791 -4.285
T123=14.8 15.5 17.3
ALT/AZ=35.5 69.7
fwAVG=3.03
sdW=312.3
fwW=2.96
sdS=503.7
fwS=3.10
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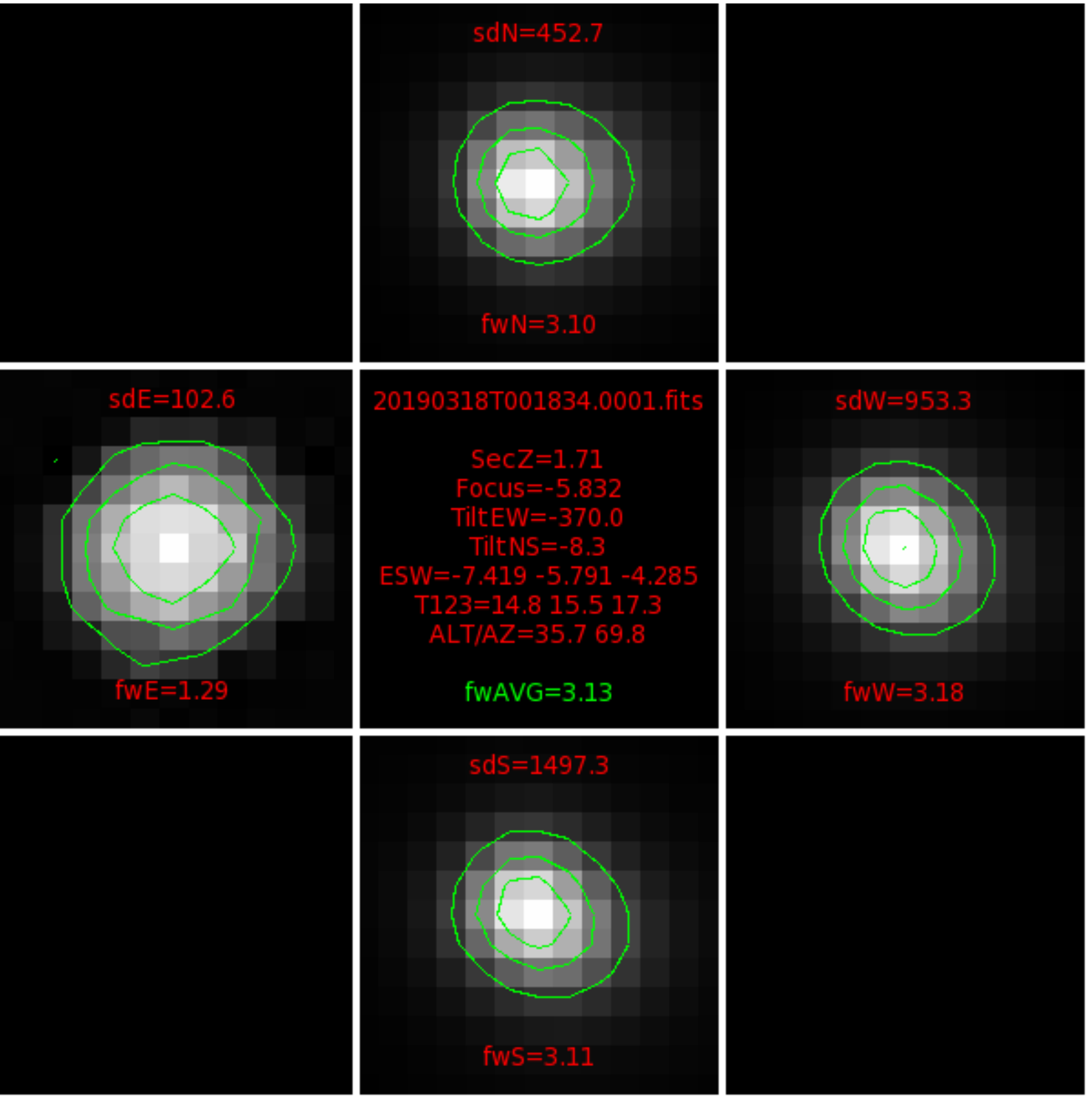
sdN=452.7
fwN=3.10
sdE=102.6
fwE=1.29
20190318T001834.0001.fits
SecZ=1.71
Focus=-5.832
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.419 -5.791 -4.285
T123=14.8 15.5 17.3
ALT/AZ=35.7 69.8
fwAVG=3.13
sdW=953.3
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sdS=1497.3
fwS=3.11
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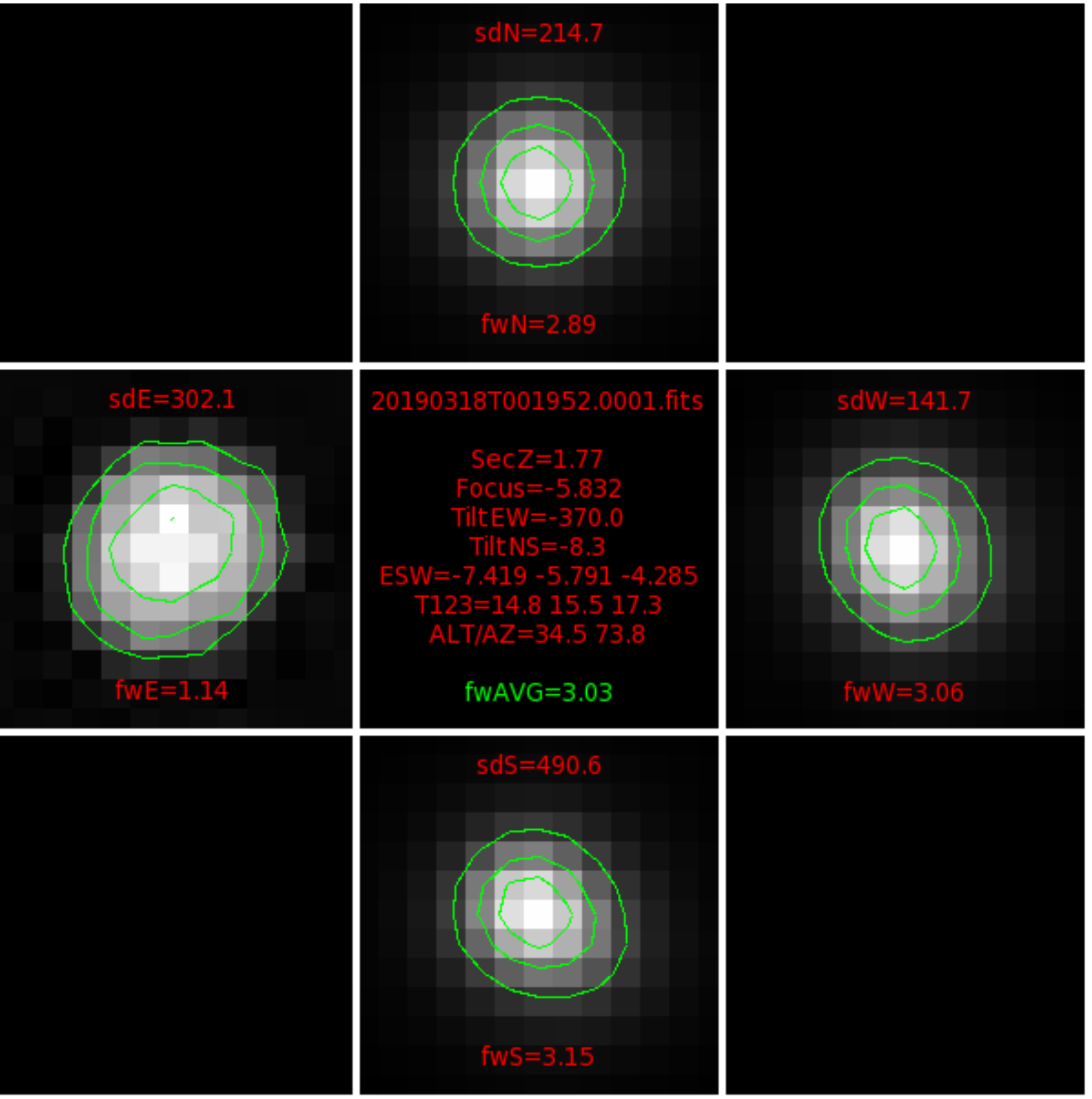
sdN=214.7
fwN=2.89
sdE=302.1
fwE=1.14
20190318T001952.0001.fits
SecZ=1.77
Focus=-5.832
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.419 -5.791 -4.285
T123=14.8 15.5 17.3
ALT/AZ=34.5 73.8
fwAVG=3.03
sdW=141.7
fwW=3.06
sdS=490.6
fwS=3.15
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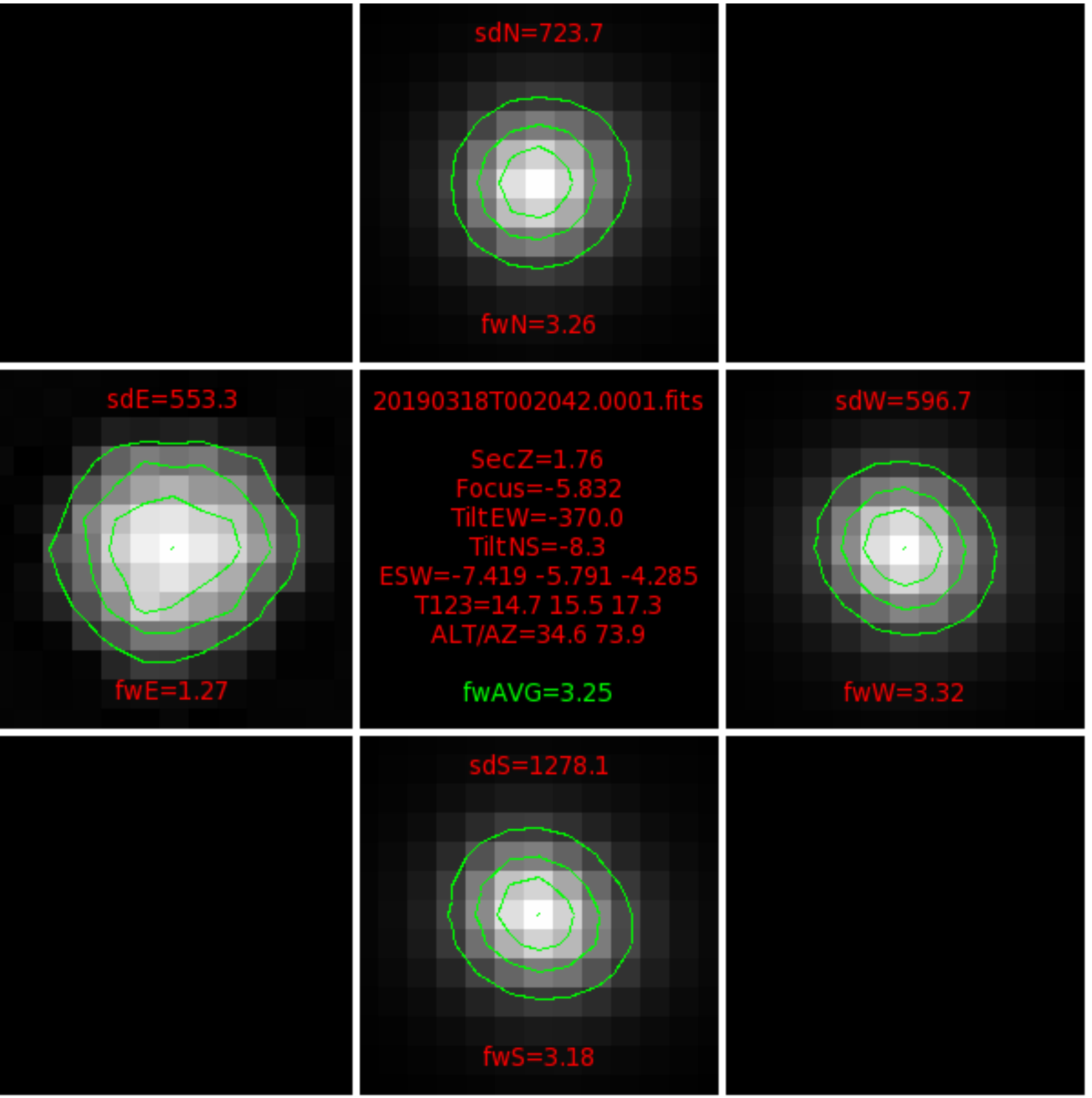
sdN=723.7
fwN=3.26
sdE=553.3
fwE=1.27
20190318T002042.0001.fits
SecZ=1.76
Focus=-5.832
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.419 -5.791 -4.285
T123=14.7 15.5 17.3
ALT/AZ=34.6 73.9
fwAVG=3.25
sdW=596.7
fwW=3.32
sdS=1278.1
fwS=3.18
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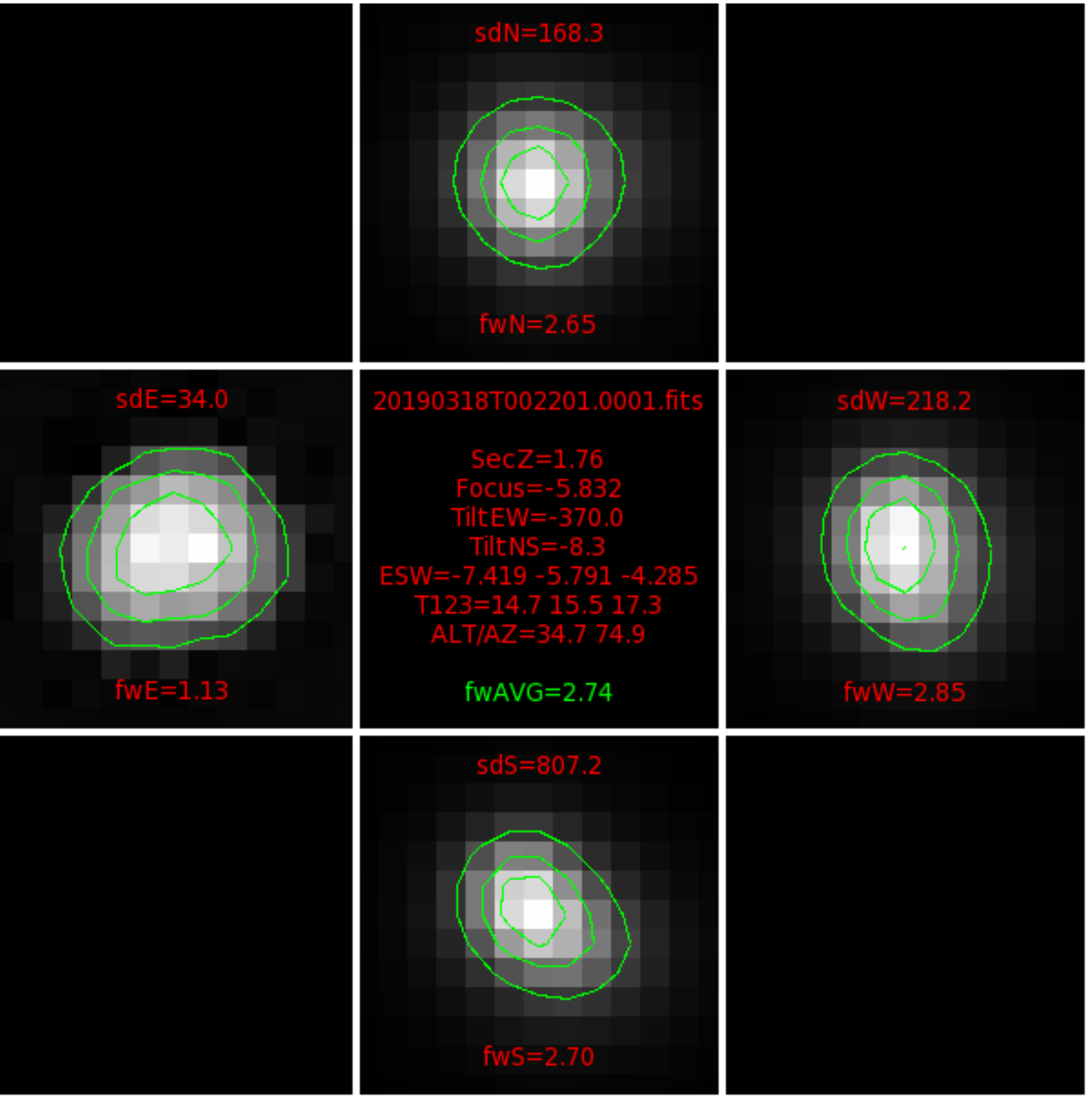
sdN=168.3
fwN=2.65
sdE=34.0
fwE=1.13
20190318T002201.0001.fits
SecZ=1.76
Focus=-5.832
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.419 -5.791 -4.285
T123=14.7 15.5 17.3
ALT/AZ=34.7 74.9
fwAVG=2.74
sdW=218.2
fwW=2.85
sdS=807.2
fwS=2.70
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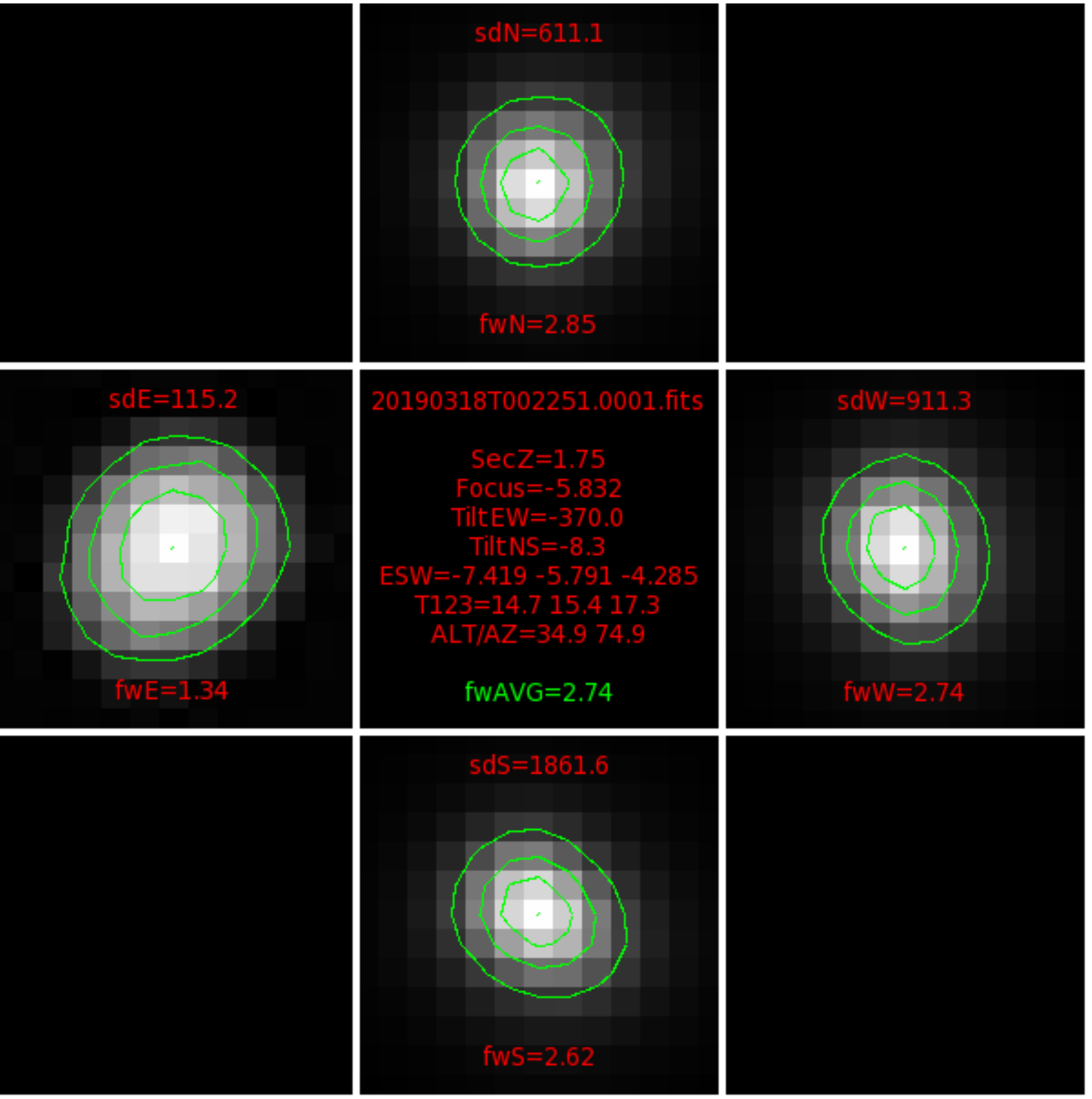
sdN=611.1
fwN=2.85
sdE=115.2
fwE=1.34
20190318T002251.0001.fits
SecZ=1.75
Focus=-5.832
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.419 -5.791 -4.285
T123=14.7 15.4 17.3
ALT/AZ=34.9 74.9
fwAVG=2.74
sdW=911.3
fwW=2.74
sdS=1861.6
fwS=2.62
0 0 0 0 0 0 0 0 0