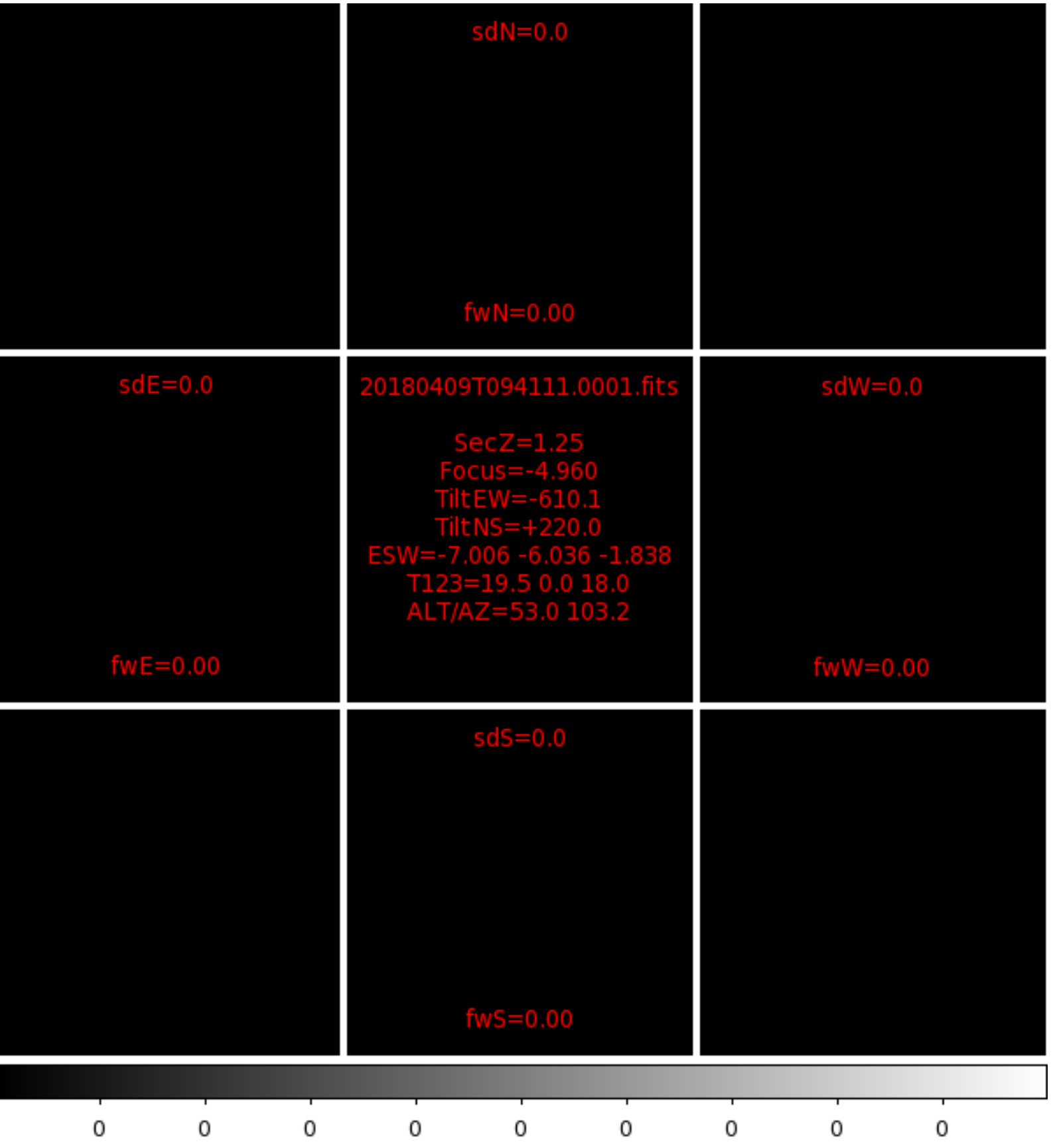
sdN=0.0
fwN=0.00
sdE=0.0
20180409T094111.0001.fits
SecZ=1.25
Focus=-4.960
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.006 -6.036 -1.838
T123=19.5 0.0 18.0
ALT/AZ=53.0 103.2
sdW=0.0
fwE=0.00
fwW=0.00
sdS=0.0
fwS=0.00
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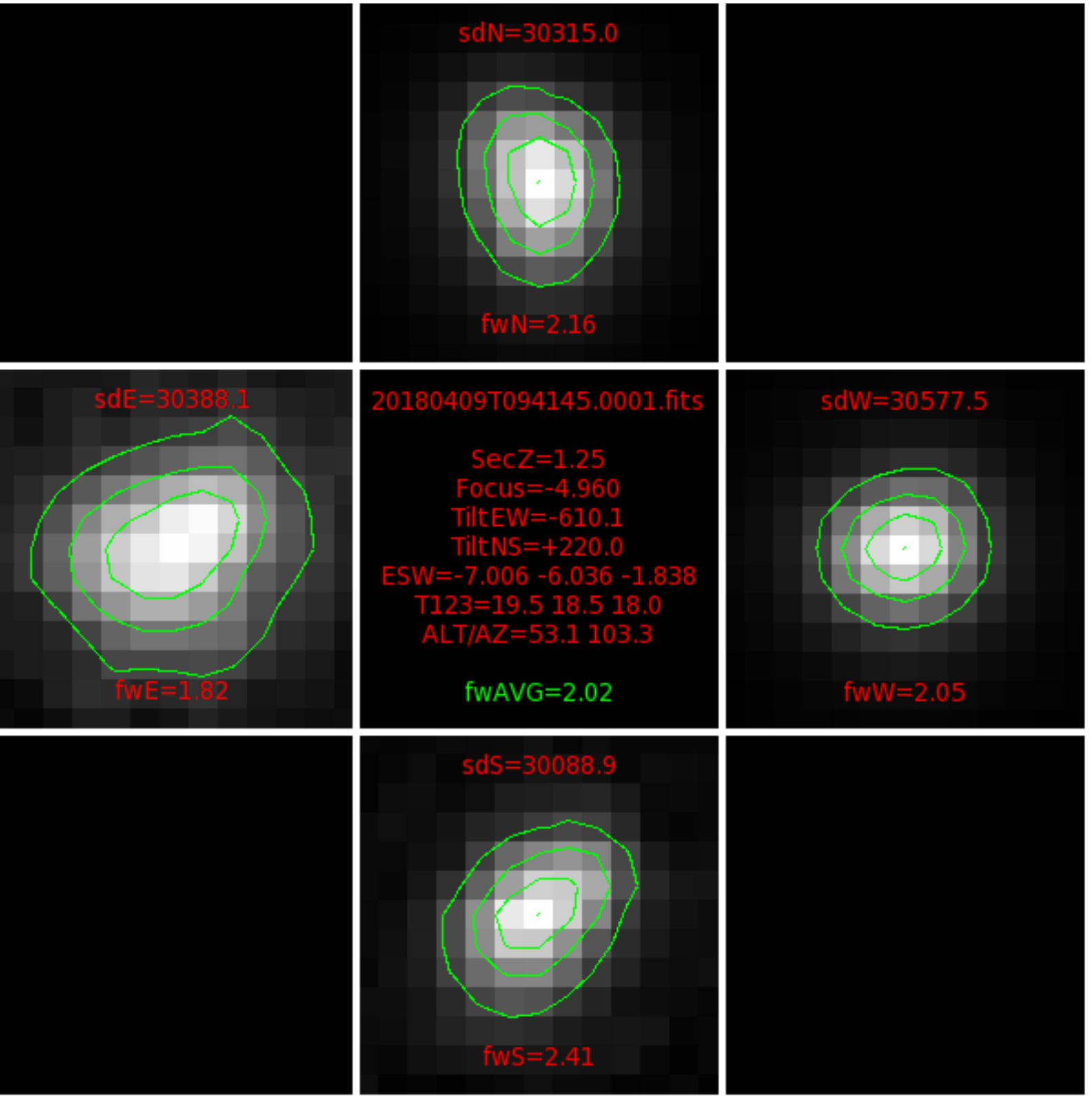
sdN=30315.0
fwN=2.16
sdE=30388.1
fwE=1.82
20180409T094145.0001.fits
SecZ=1.25
Focus=-4.960
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.006 -6.036 -1.838
T123=19.5 18.5 18.0
ALT/AZ=53.1 103.3
fwAVG=2.02
sdW=30577.5
fwW=2.05
sdS=30088.9
fwS=2.41
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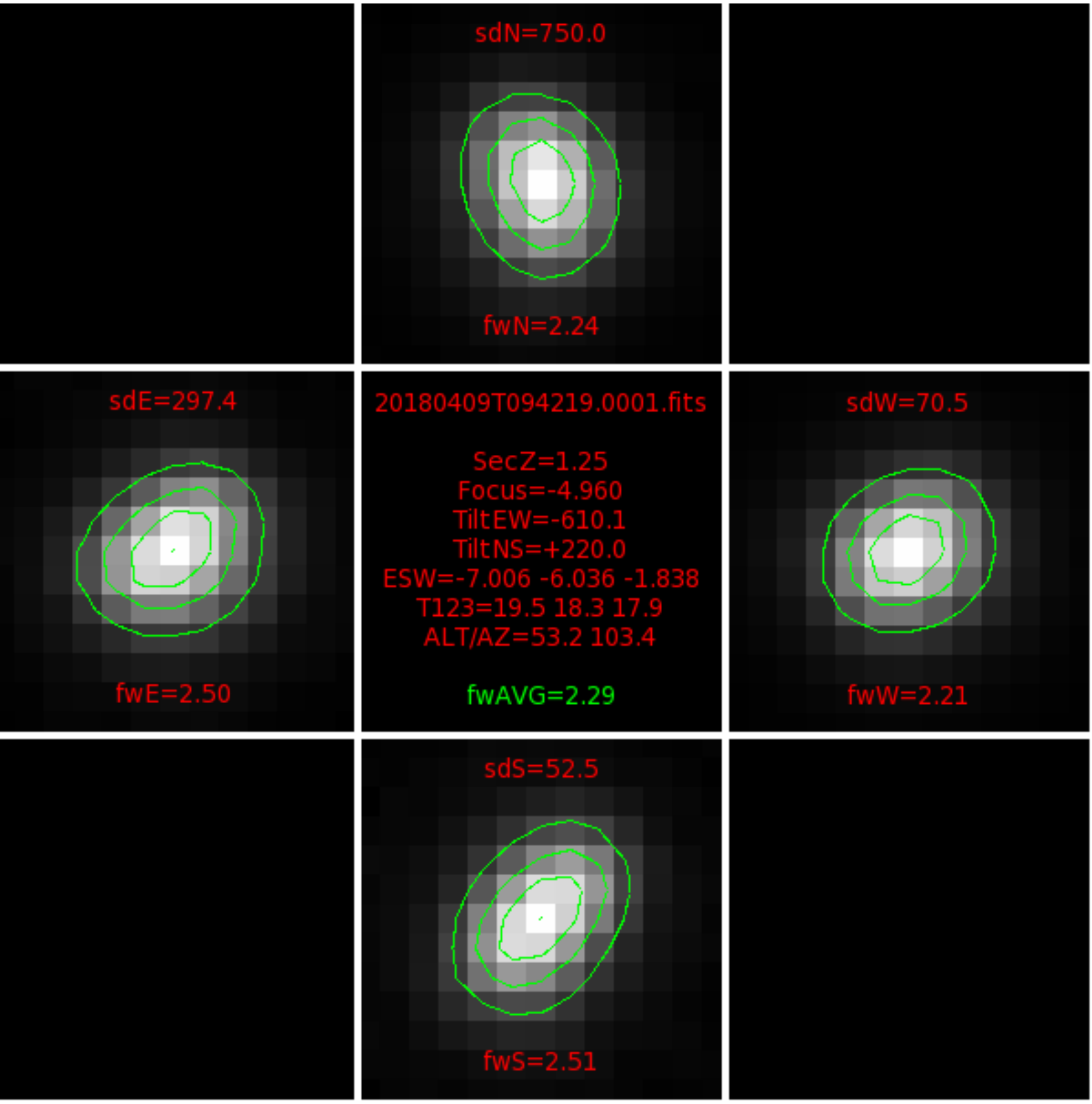
sdN=750.0
fwN=2.24
sdE=297.4
fwE=2.50
20180409T094219.0001.fits
SecZ=1.25
Focus=-4.960
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.006 -6.036 -1.838
T123=19.5 18.3 17.9
ALT/AZ=53.2 103.4
fwAVG=2.29
sdW=70.5
fwW=2.21
sdS=52.5
fwS=2.51
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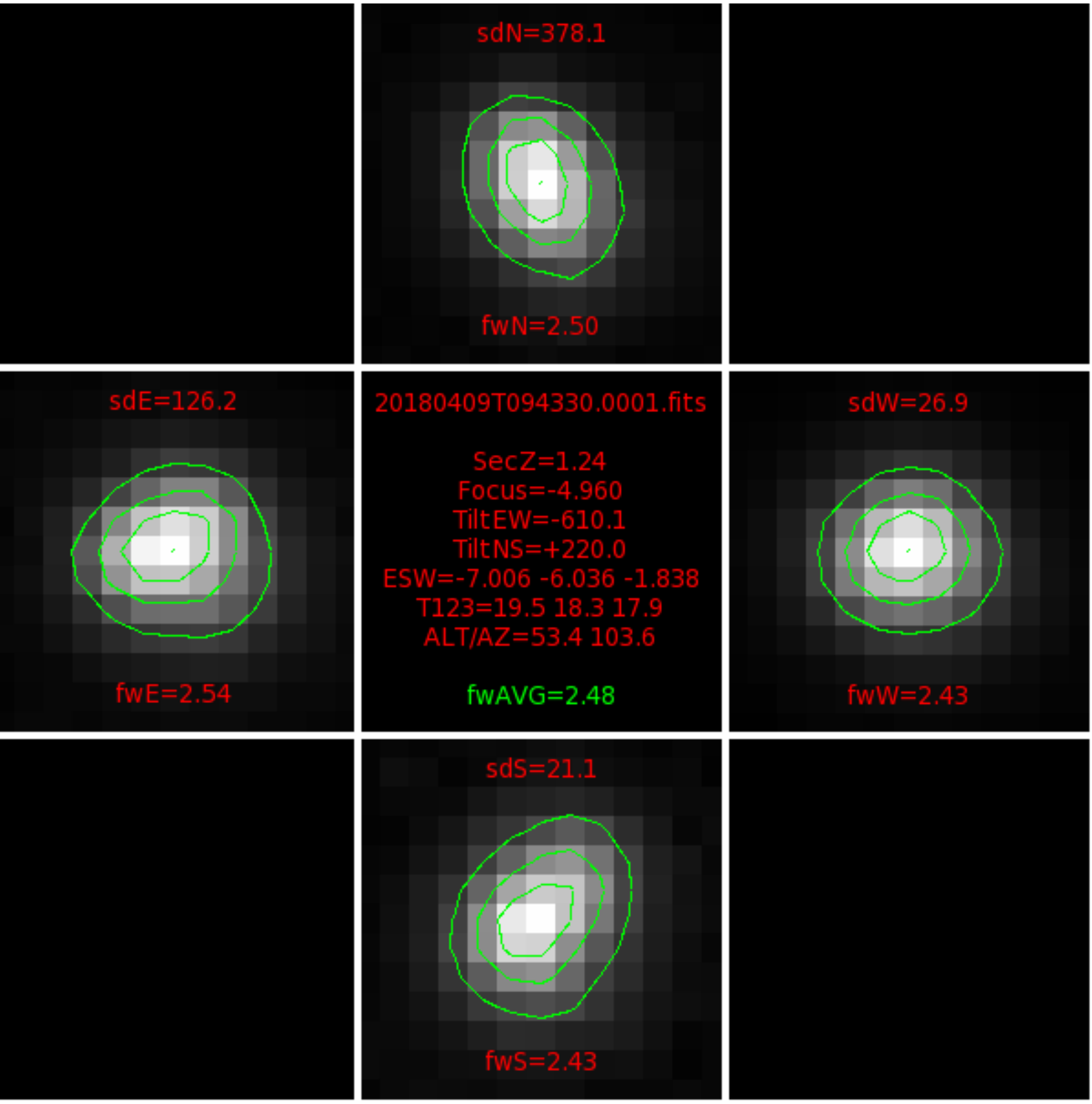
sdN=378.1
fwN=2.50
sdE=126.2
fwE=2.54
20180409T094330.0001.fits
SecZ=1.24
Focus=-4.960
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.006 -6.036 -1.838
T123=19.5 18.3 17.9
ALT/AZ=53.4 103.6
fwAVG=2.48
sdW=26.9
fwW=2.43
sdS=21.1
fwS=2.43
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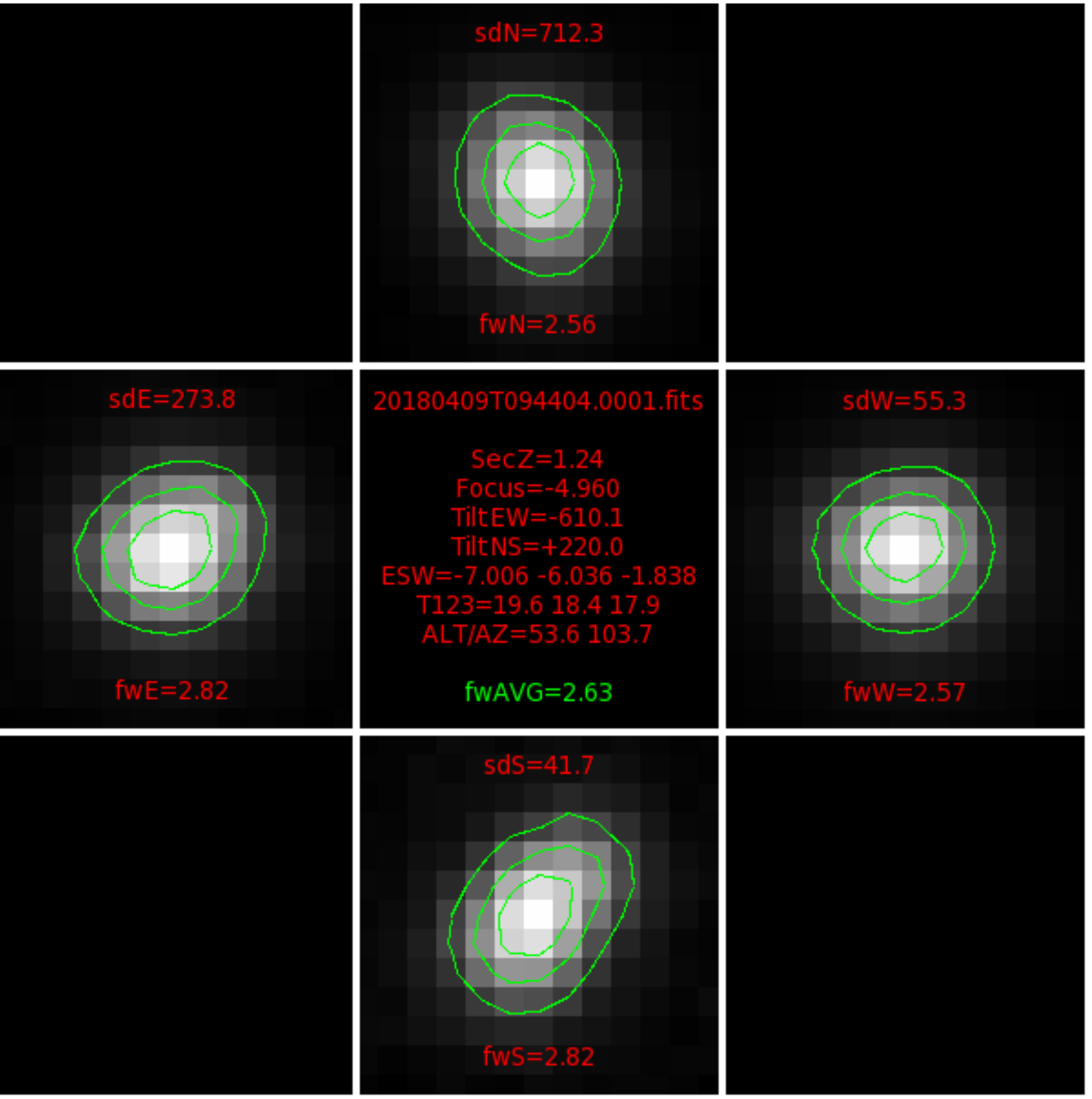
sdN=712.3
fwN=2.56
sdE=273.8
fwE=2.82
20180409T094404.0001.fits
SecZ=1.24
Focus=-4.960
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.006 -6.036 -1.838
T123=19.6 18.4 17.9
ALT/AZ=53.6 103.7
fwAVG=2.63
sdW=55.3
fwW=2.57
sdS=41.7
fwS=2.82
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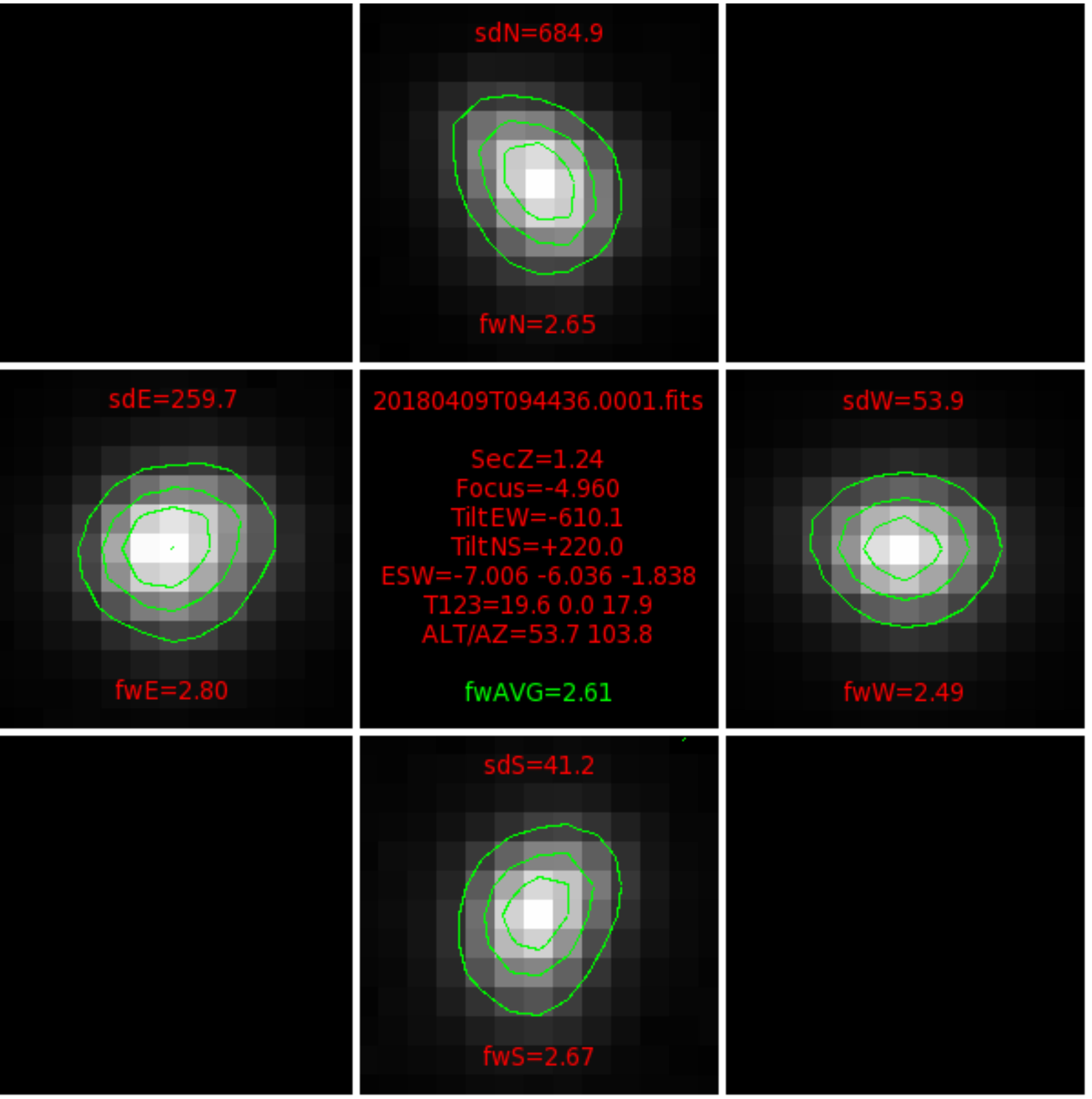
sdN=684.9
fwN=2.65
sdE=259.7
fwE=2.80
20180409T094436.0001.fits
SecZ=1.24
Focus=-4.960
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.006 -6.036 -1.838
T123=19.6 0.0 17.9
ALT/AZ=53.7 103.8
fwAVG=2.61
sdW=53.9
fwW=2.49
sdS=41.2
fwS=2.67
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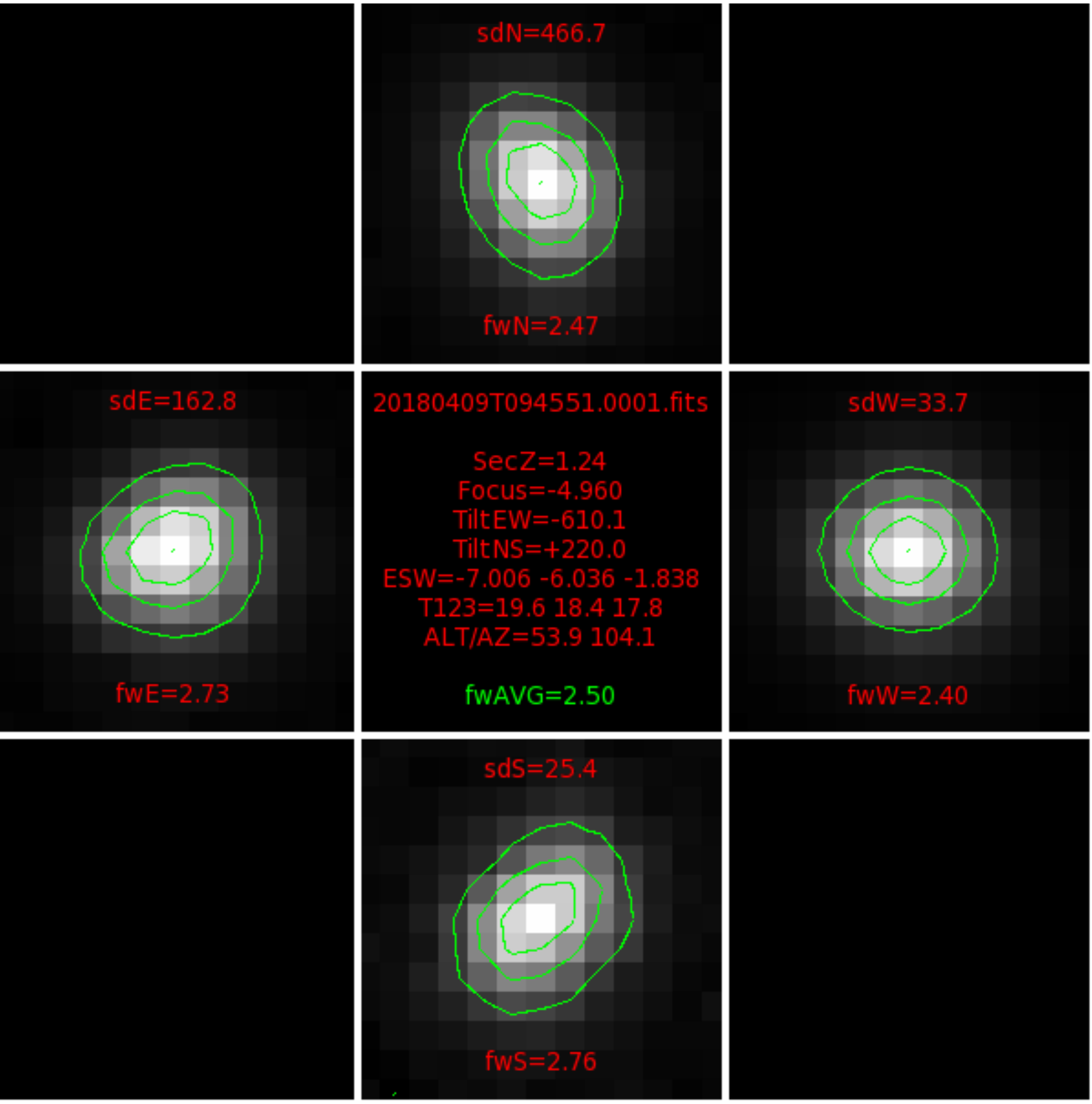
sdN=466.7
fwN=2.47
sdE=162.8
fwE=2.73
20180409T094551.0001.fits
SecZ=1.24
Focus=-4.960
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.006 -6.036 -1.838
T123=19.6 18.4 17.8
ALT/AZ=53.9 104.1
fwAVG=2.50
sdW=33.7
fwW=2.40
sdS=25.4
fwS=2.76
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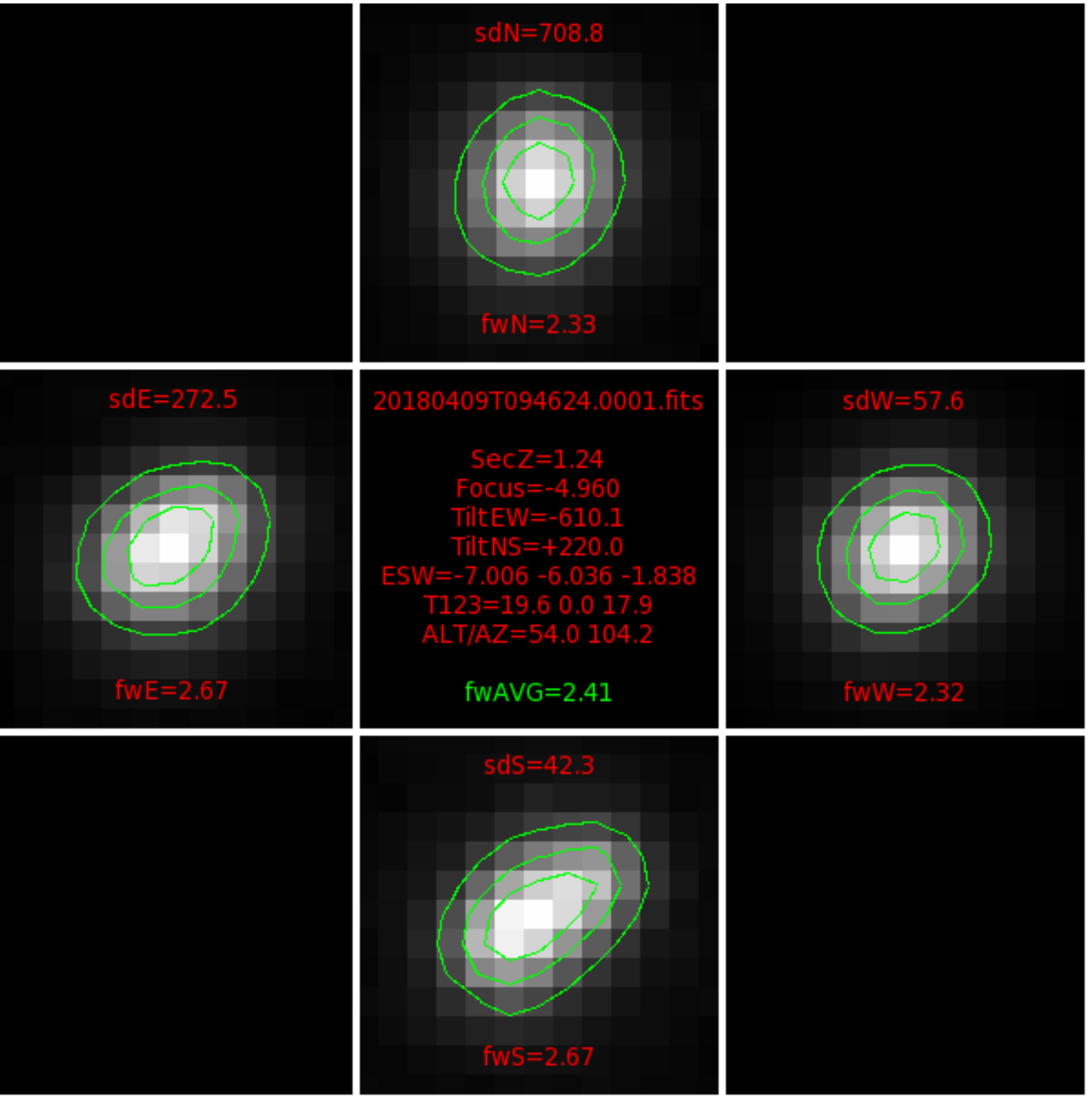
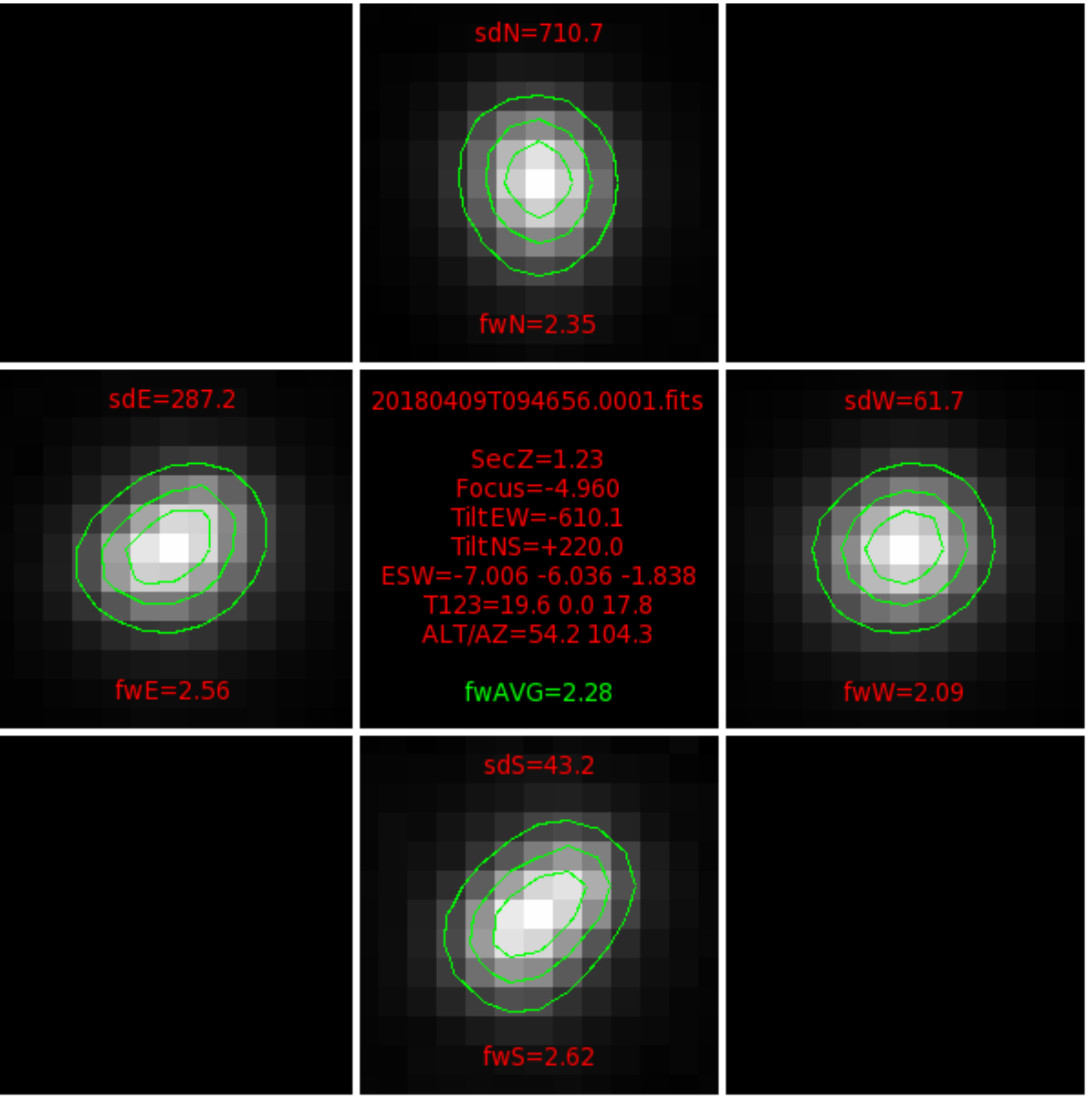
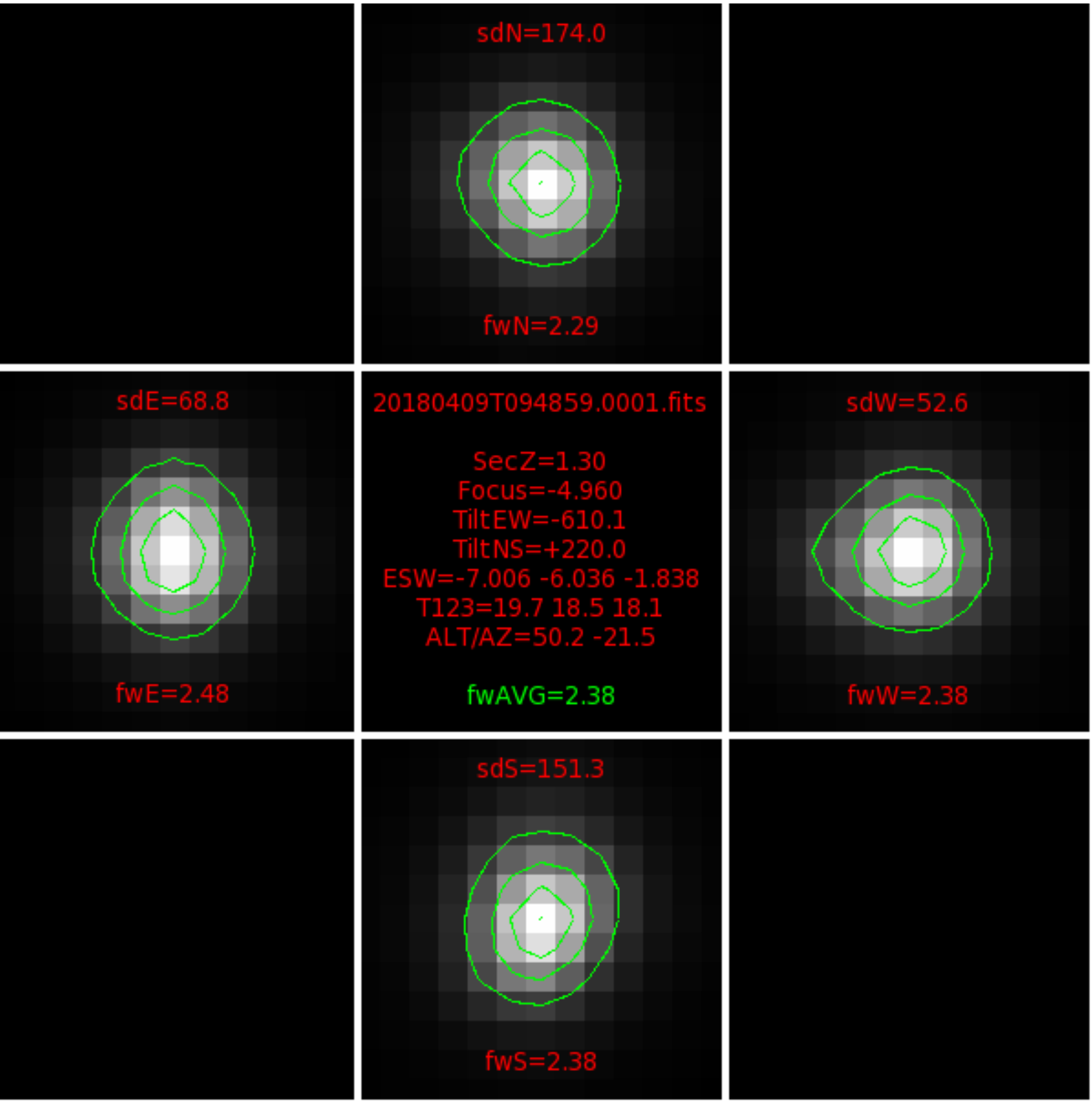

sdN=708.8
fwN=2.33
sdE=272.5
fwE=2.67
20180409T094624.0001.fits
SecZ=1.24
Focus=-4.960
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.006 -6.036 -1.838
T123=19.6 0.0 17.9
ALT/AZ=54.0 104.2
fwAVG=2.41
sdW=57.6
fwW=2.32
sdS=42.3
fwS=2.67
0 0 0 0 0 0 0 0 0


sdN=710.7
fwN=2.35
sdE=287.2
fwE=2.56
20180409T094656.0001.fits
SecZ=1.23
Focus=-4.960
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.006 -6.036 -1.838
T123=19.6 0.0 17.8
ALT/AZ=54.2 104.3
fwAVG=2.28
sdW=61.7
fwW=2.09
sdS=43.2
fwS=2.62
0 0 0 0 0 0 0 0 0


sdN=174.0
fwN=2.29
sdE=68.8
fwE=2.48
20180409T094859.0001.fits
SecZ=1.30
Focus=-4.960
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.006 -6.036 -1.838
T123=19.7 18.5 18.1
ALT/AZ=50.2 -21.5
fwAVG=2.38
sdW=52.6
fwW=2.38
sdS=151.3
fwS=2.38
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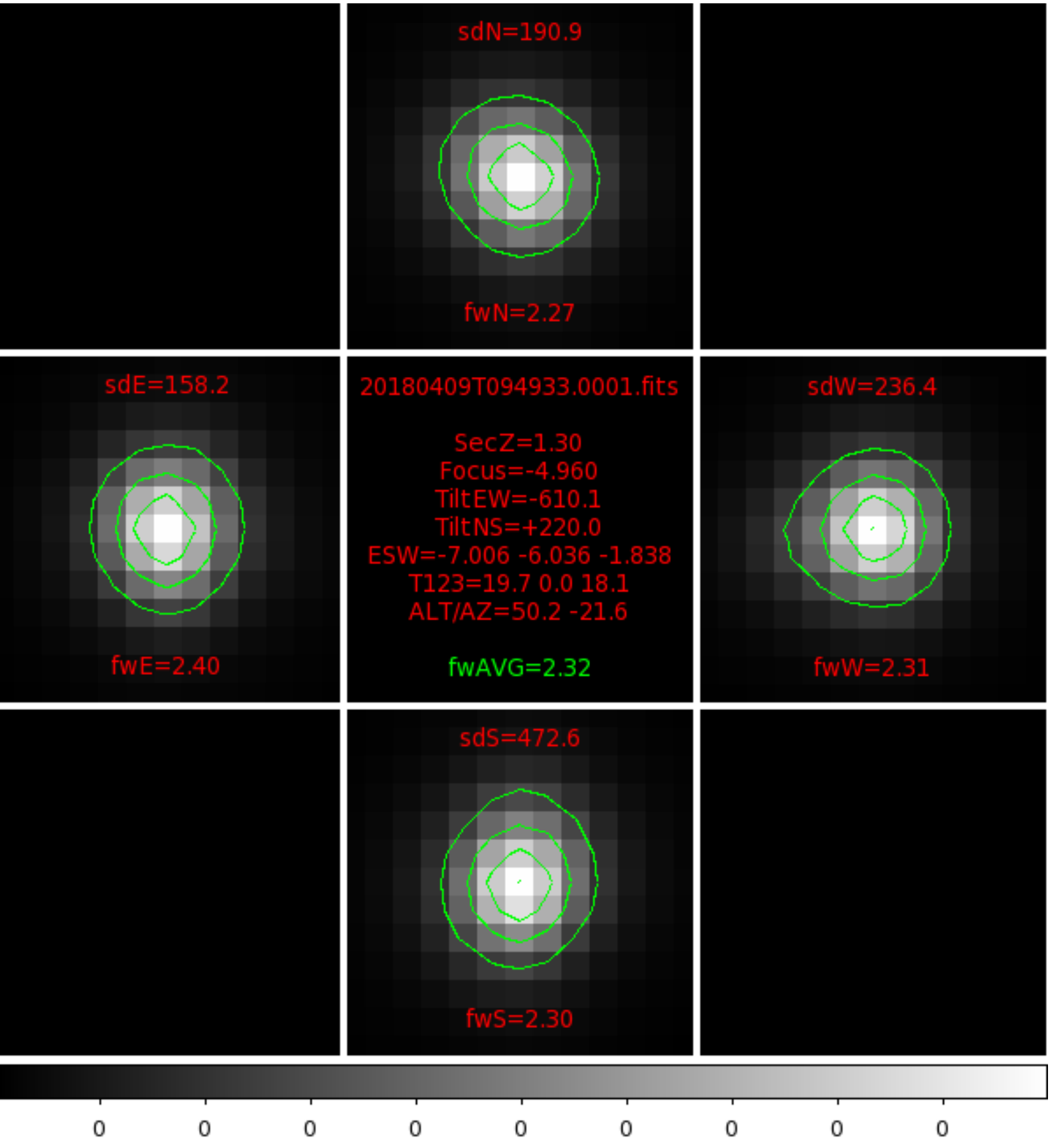
sdN=190.9
fwN=2.27
sdE=158.2
fwE=2.40
20180409T094933.0001.fits
SecZ=1.30
Focus=-4.960
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.006 -6.036 -1.838
T123=19.7 0.0 18.1
ALT/AZ=50.2 -21.6
fwAVG=2.32
sdW=236.4
fwW=2.31
sdS=472.6
fwS=2.30
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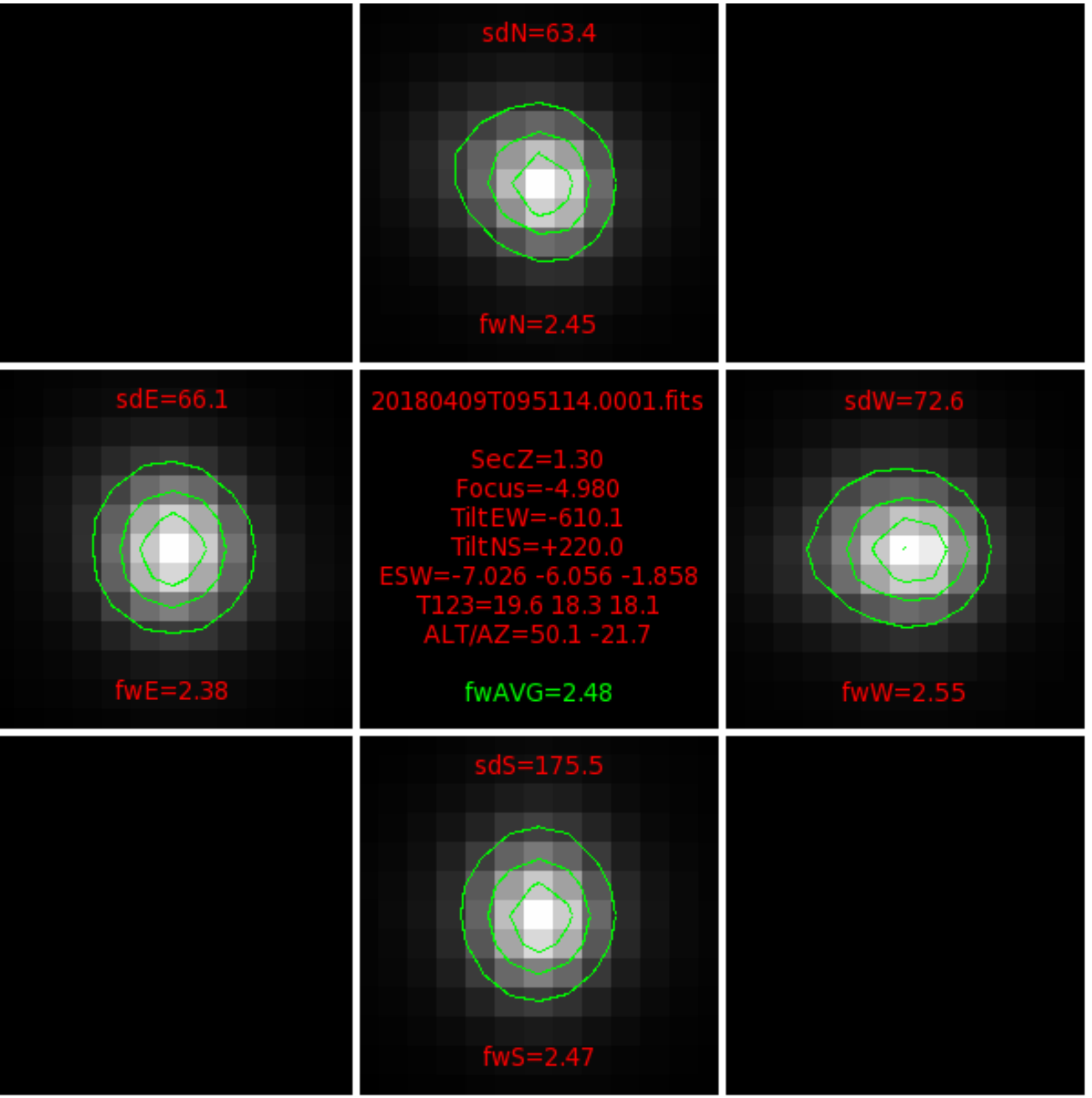
sdN=63.4
fwN=2.45
sdE=66.1
fwE=2.38
20180409T095114.0001.fits
SecZ=1.30
Focus=-4.980
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.026 -6.056 -1.858
T123=19.6 18.3 18.1
ALT/AZ=50.1 -21.7
fwAVG=2.48
sdW=72.6
fwW=2.55
sdS=175.5
fwS=2.47
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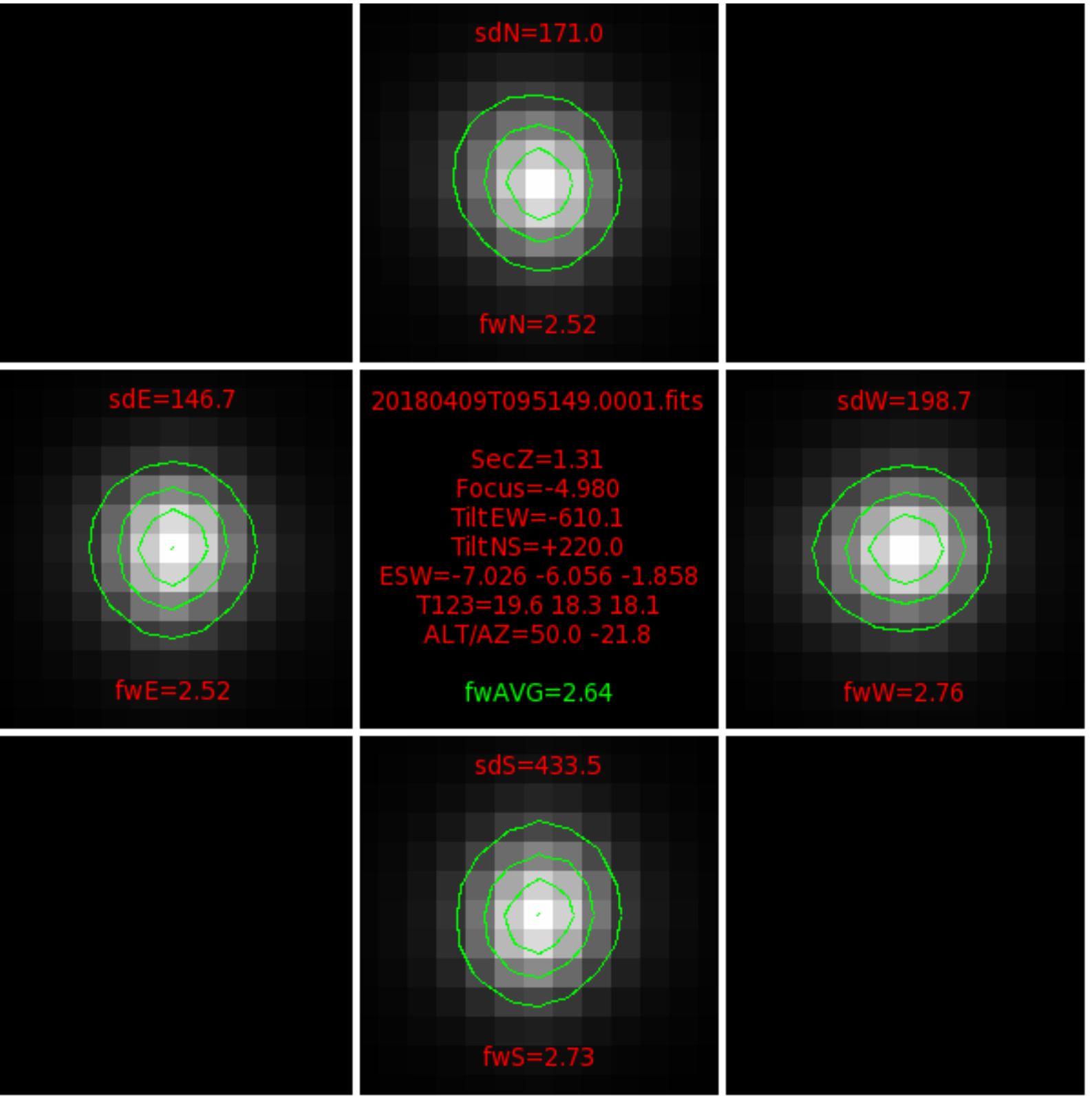
sdN=171.0
fwN=2.52
sdE=146.7
fwE=2.52
20180409T095149.0001.fits
SecZ=1.31
Focus=-4.980
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.026 -6.056 -1.858
T123=19.6 18.3 18.1
ALT/AZ=50.0 -21.8
fwAVG=2.64
sdW=198.7
fwW=2.76
sdS=433.5
fwS=2.73
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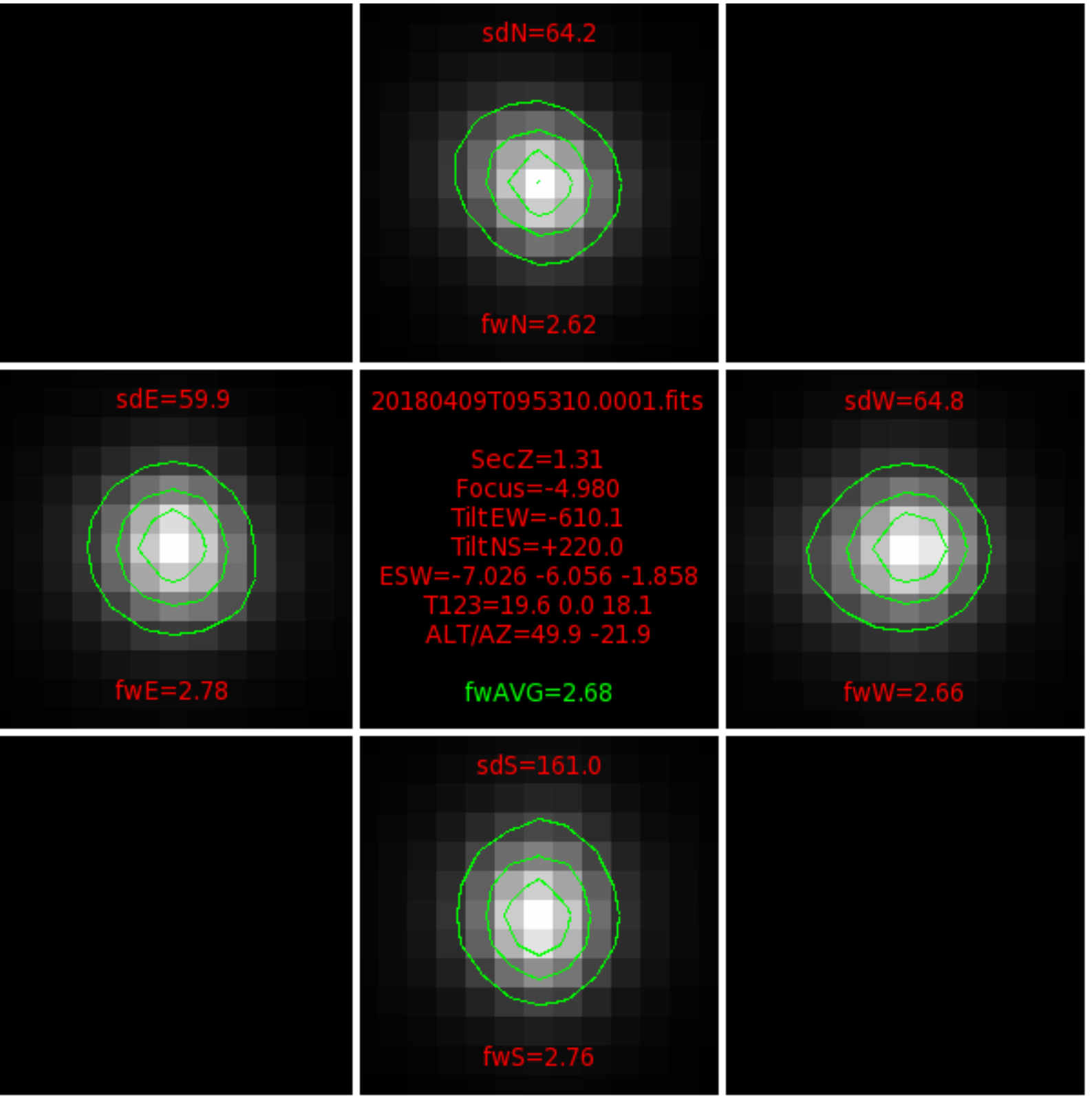
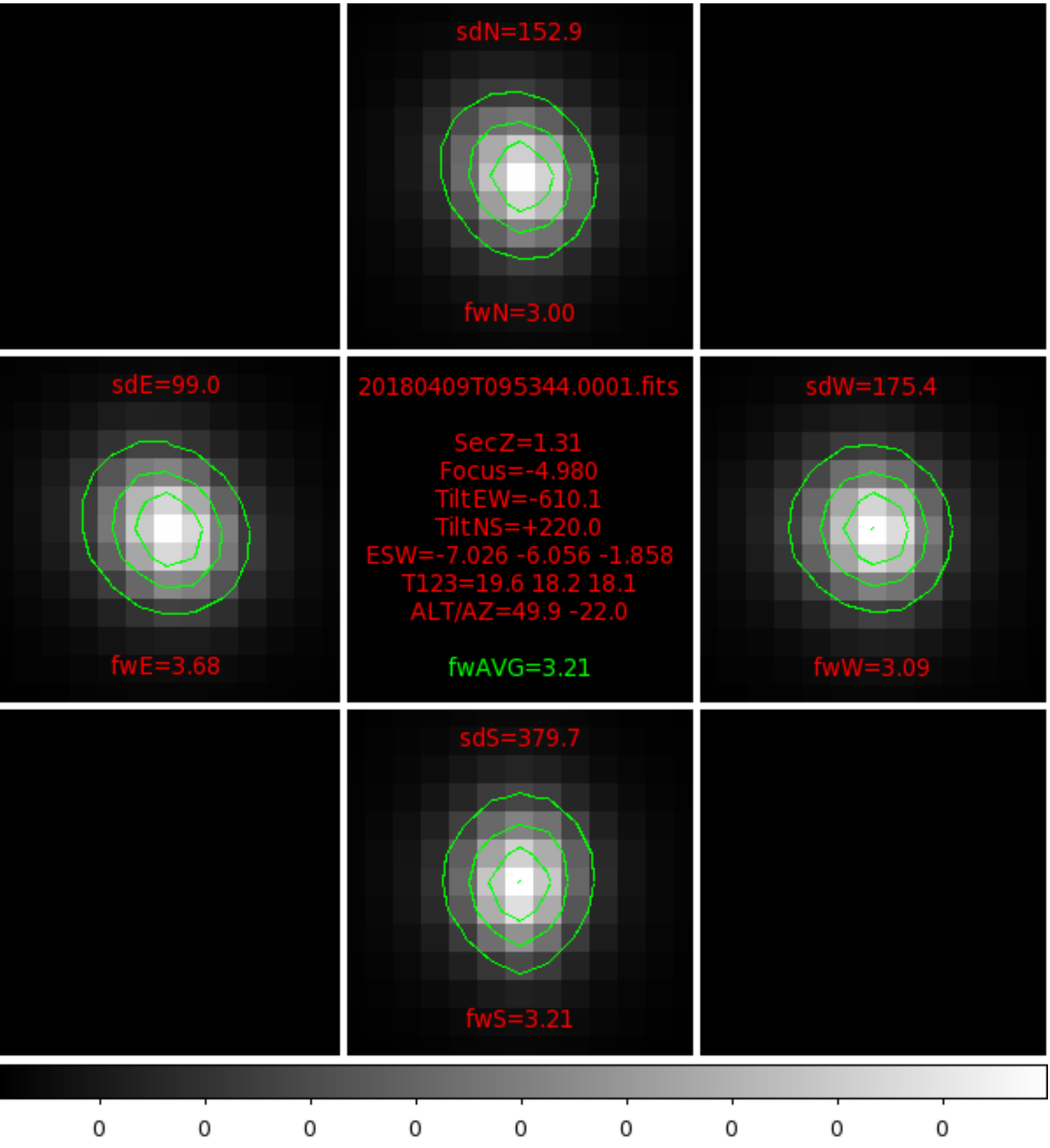

sdN=64.2
fwN=2.62
sdE=59.9
fwE=2.78
20180409T095310.0001.fits
SecZ=1.31
Focus=-4.980
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.026 -6.056 -1.858
T123=19.6 0.0 18.1
ALT/AZ=49.9 -21.9
fwAVG=2.68
sdW=64.8
fwW=2.66
sdS=161.0
fwS=2.76
0 0 0 0 0 0 0 0 0


sdN=152.9
fwN=3.00
sdE=99.0
fwE=3.68
20180409T095344.0001.fits
SecZ=1.31
Focus=-4.980
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.026 -6.056 -1.858
T123=19.6 18.2 18.1
ALT/AZ=49.9 -22.0
fwAVG=3.21
sdW=175.4
fwW=3.09
sdS=379.7
fwS=3.21
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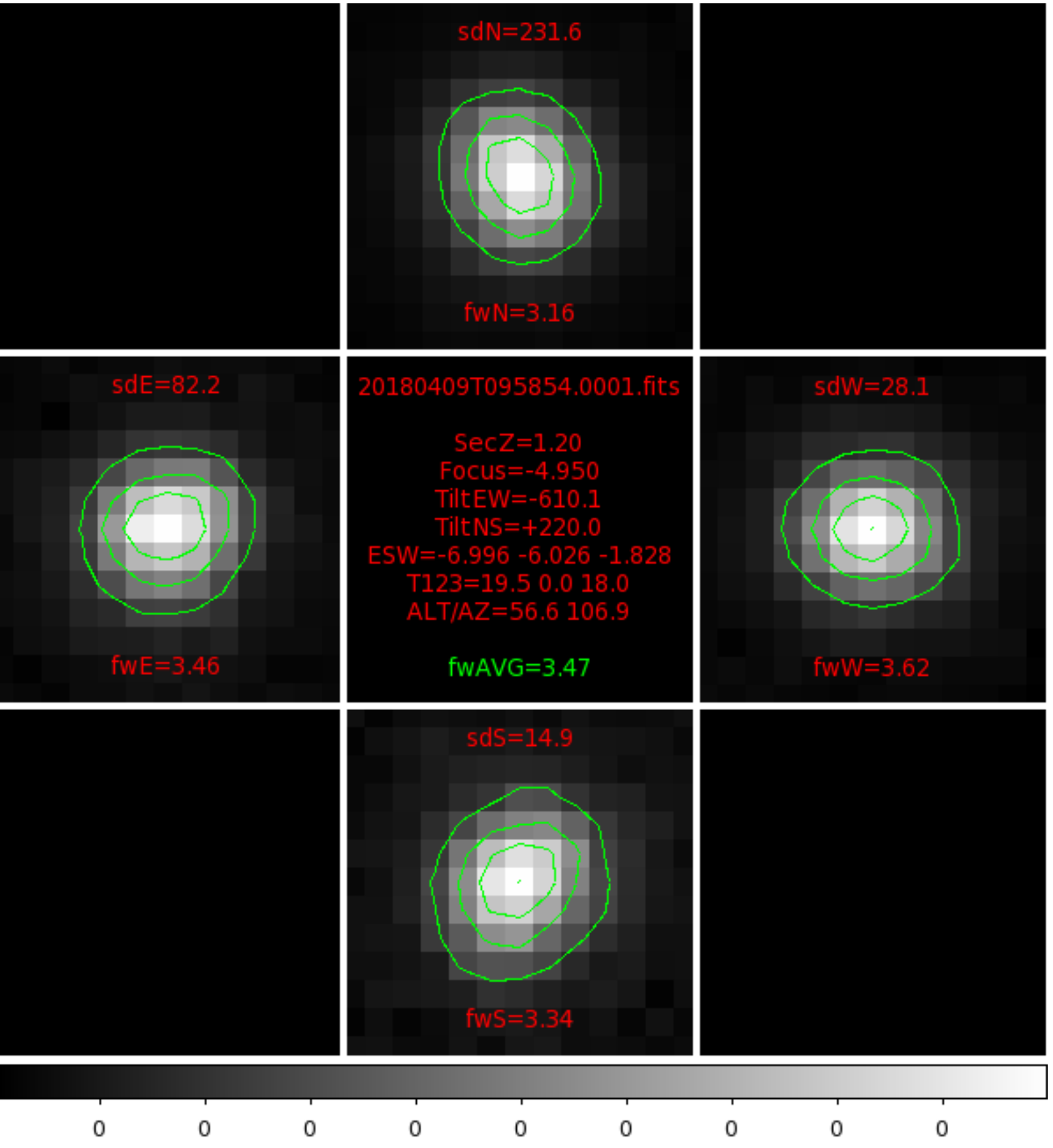
sdN=231.6
fwN=3.16
sdE=82.2
fwE=3.46
20180409T095854.0001.fits
SecZ=1.20
Focus=-4.950
TiltEW=-610.1
TiltNS=+220.0
ESW=-6.996 -6.026 -1.828
T123=19.5 0.0 18.0
ALT/AZ=56.6 106.9
fwAVG=3.47
sdW=28.1
fwW=3.62
sdS=14.9
fwS=3.34
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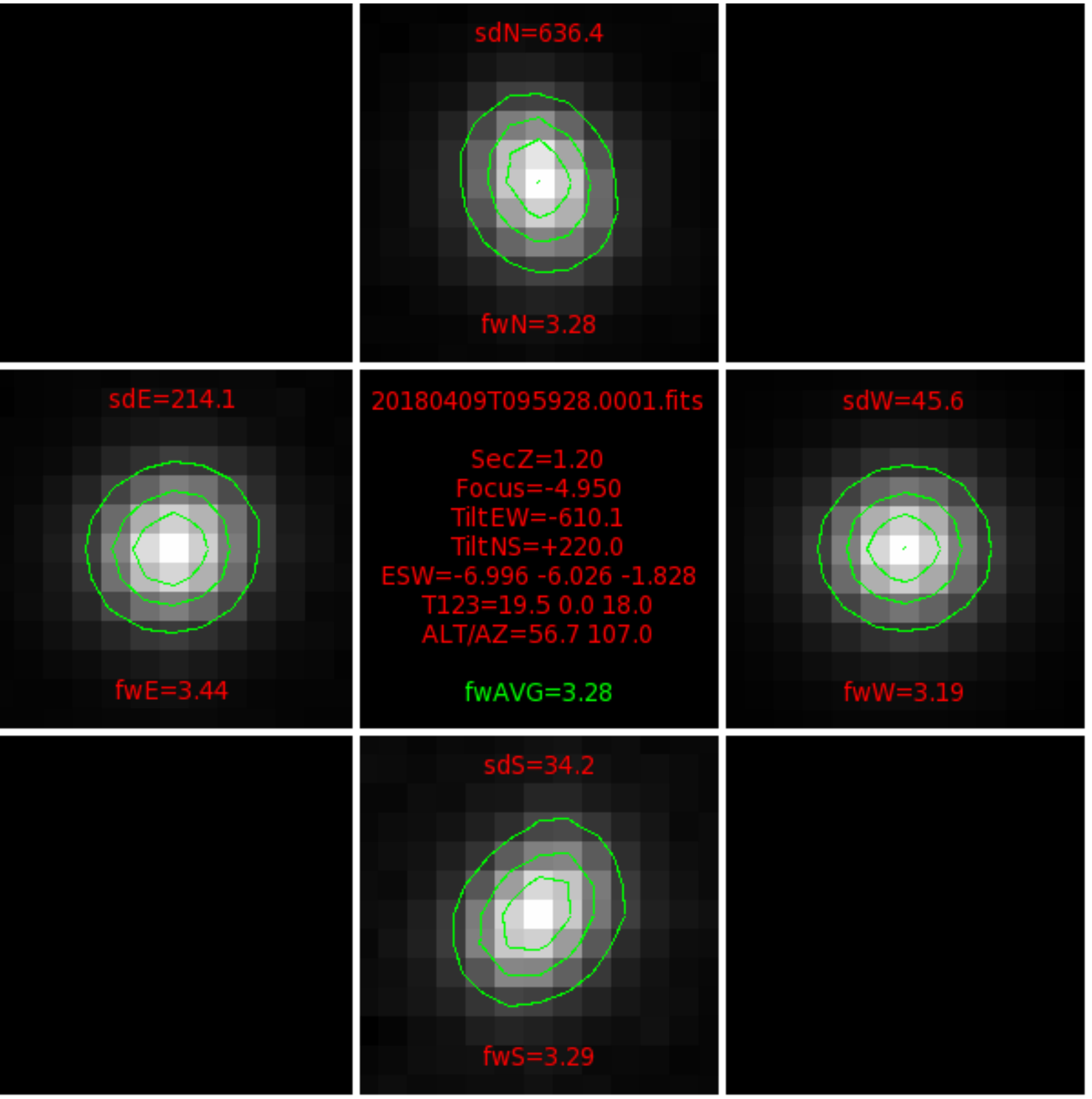
sdN=636.4
fwN=3.28
sdE=214.1
fwE=3.44
20180409T095928.0001.fits
SecZ=1.20
Focus=-4.950
TiltEW=-610.1
TiltNS=+220.0
ESW=-6.996 -6.026 -1.828
T123=19.5 0.0 18.0
ALT/AZ=56.7 107.0
fwAVG=3.28
sdW=45.6
fwW=3.19
sdS=34.2
fwS=3.29
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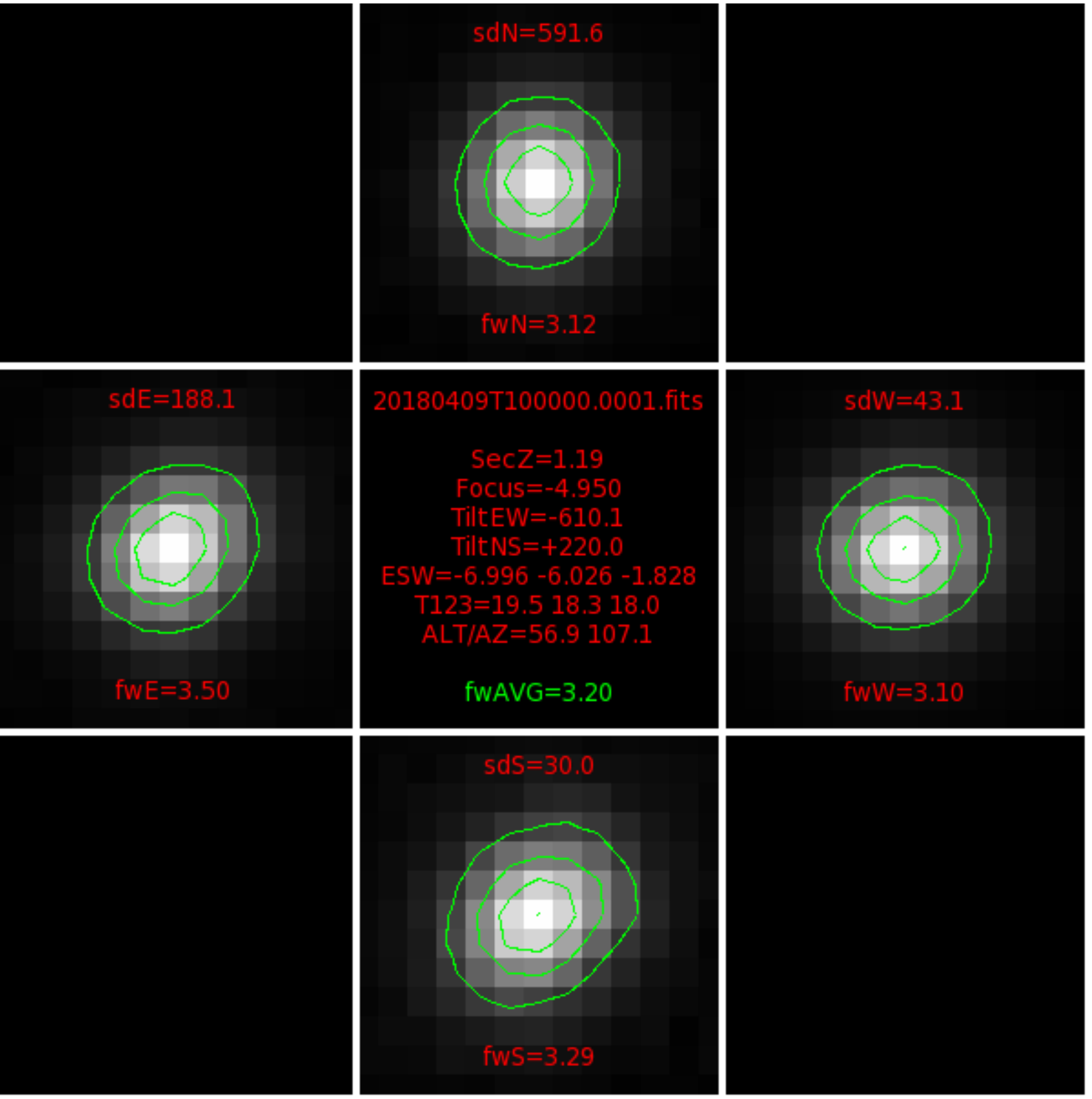
sdN=591.6
fwN=3.12
sdE=188.1
fwE=3.50
20180409T100000.0001.fits
SecZ=1.19
Focus=-4.950
TiltEW=-610.1
TiltNS=+220.0
ESW=-6.996 -6.026 -1.828
T123=19.5 18.3 18.0
ALT/AZ=56.9 107.1
fwAVG=3.20
sdW=43.1
fwW=3.10
sdS=30.0
fwS=3.29
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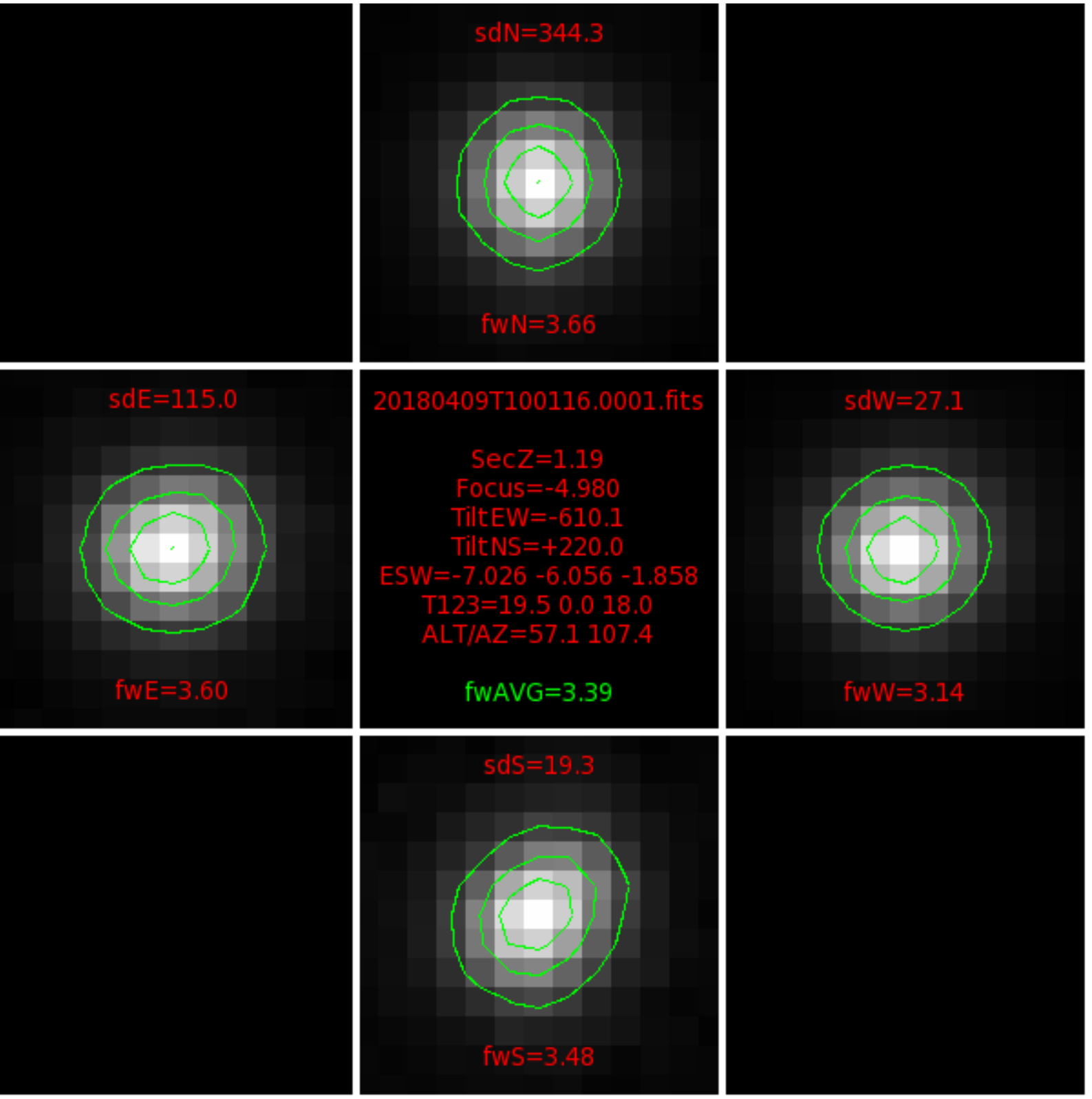
sdN=344.3
fwN=3.66
sdE=115.0
fwE=3.60
20180409T100116.0001.fits
SecZ=1.19
Focus=-4.980
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.026 -6.056 -1.858
T123=19.5 0.0 18.0
ALT/AZ=57.1 107.4
fwAVG=3.39
sdW=27.1
fwW=3.14
sdS=19.3
fwS=3.48
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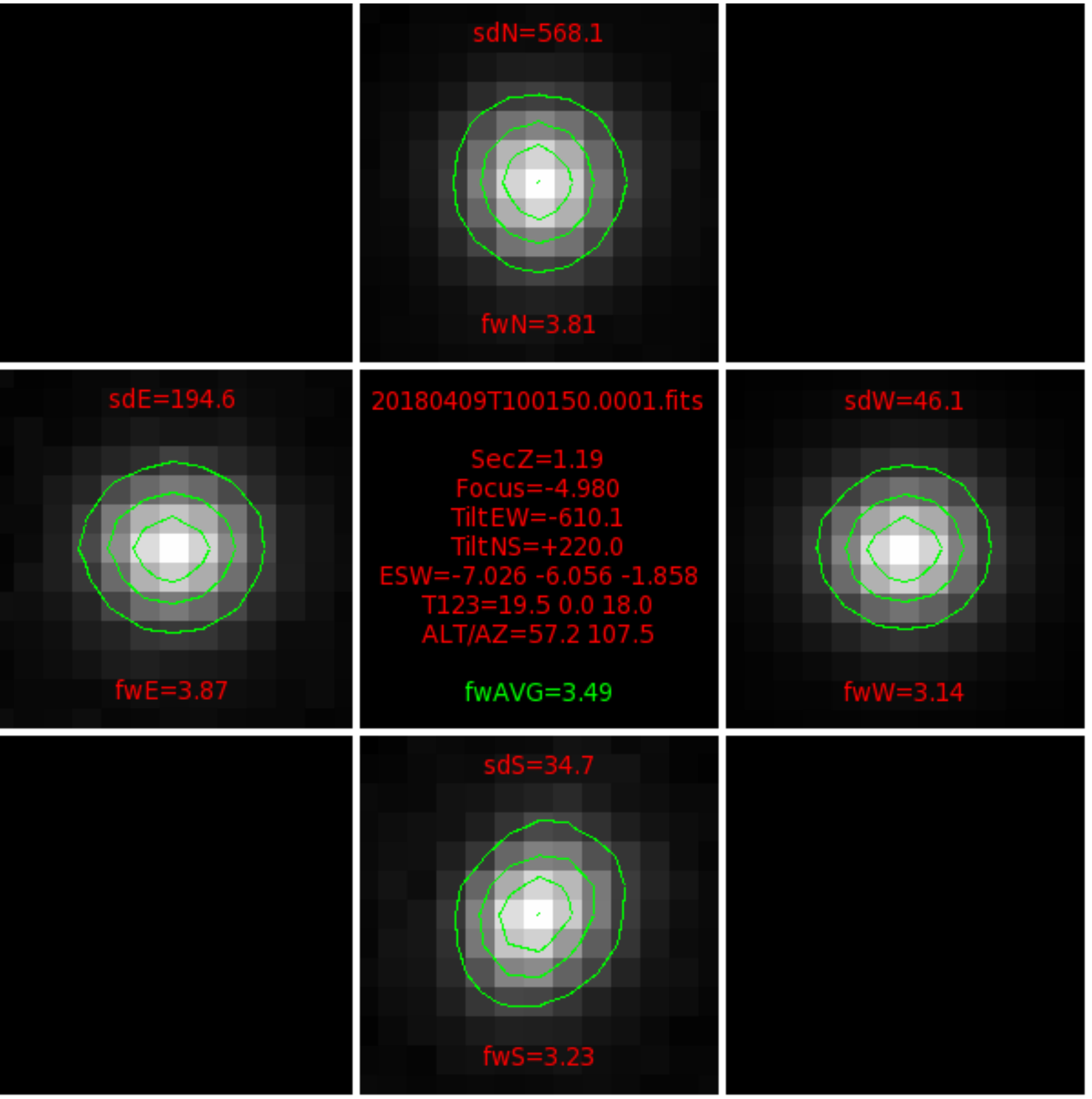
sdN=568.1
fwN=3.81
sdE=194.6
fwE=3.87
20180409T100150.0001.fits
SecZ=1.19
Focus=-4.980
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.026 -6.056 -1.858
T123=19.5 0.0 18.0
ALT/AZ=57.2 107.5
fwAVG=3.49
sdW=46.1
fwW=3.14
sdS=34.7
fwS=3.23
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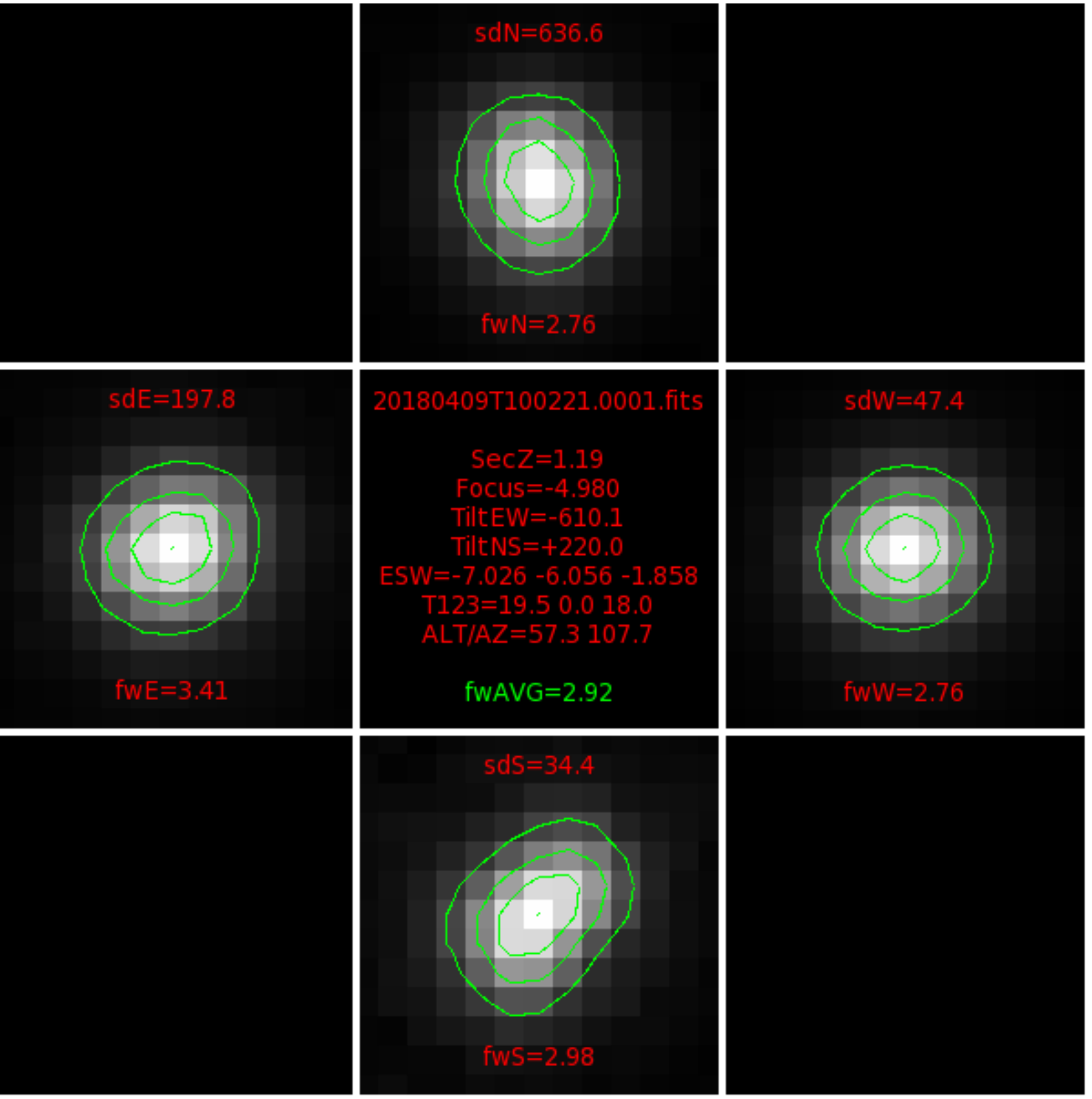
sdN=636.6
fwN=2.76
sdE=197.8
fwE=3.41
20180409T100221.0001.fits
SecZ=1.19
Focus=-4.980
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.026 -6.056 -1.858
T123=19.5 0.0 18.0
ALT/AZ=57.3 107.7
fwAVG=2.92
sdW=47.4
fwW=2.76
sdS=34.4
fwS=2.98
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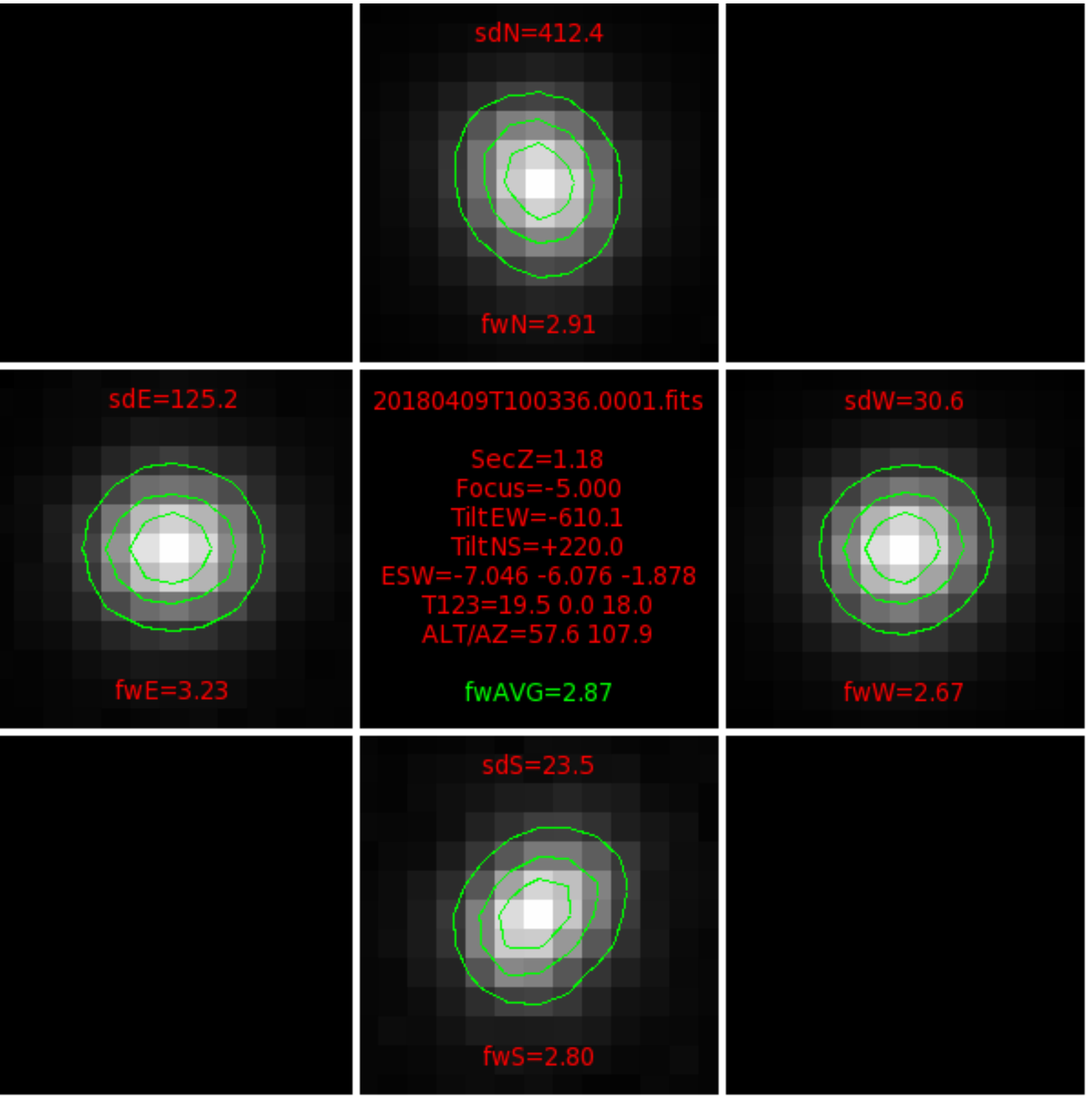
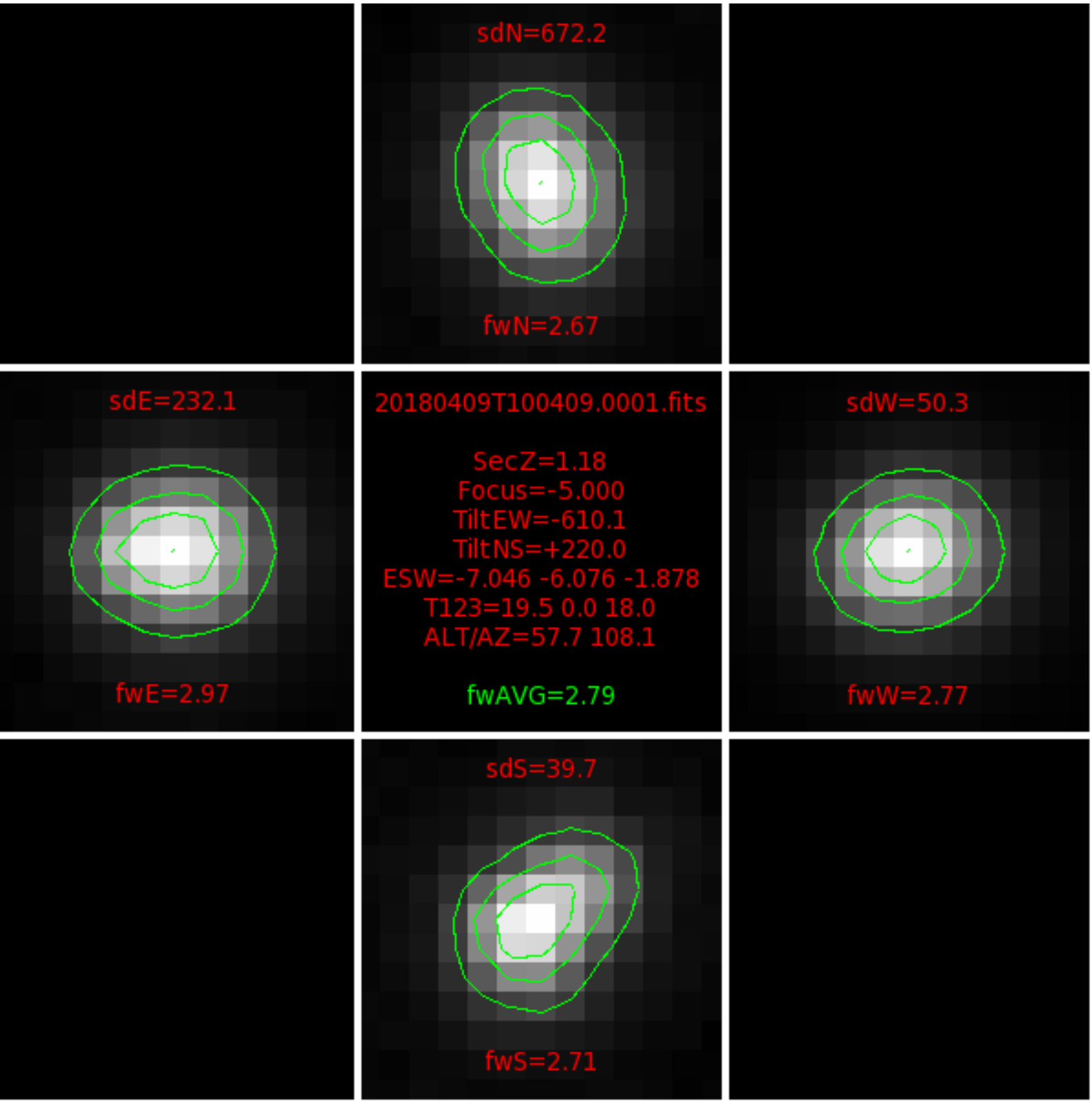

sdN=412.4
fwN=2.91
sdE=125.2
fwE=3.23
20180409T100336.0001.fits
SecZ=1.18
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.5 0.0 18.0
ALT/AZ=57.6 107.9
fwAVG=2.87
sdW=30.6
fwW=2.67
sdS=23.5
fwS=2.80
0 0 0 0 0 0 0 0 0


sdN=672.2
fwN=2.67
sdE=232.1
fwE=2.97
20180409T100409.0001.fits
SecZ=1.18
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.5 0.0 18.0
ALT/AZ=57.7 108.1
fwAVG=2.79
sdW=50.3
fwW=2.77
sdS=39.7
fwS=2.71
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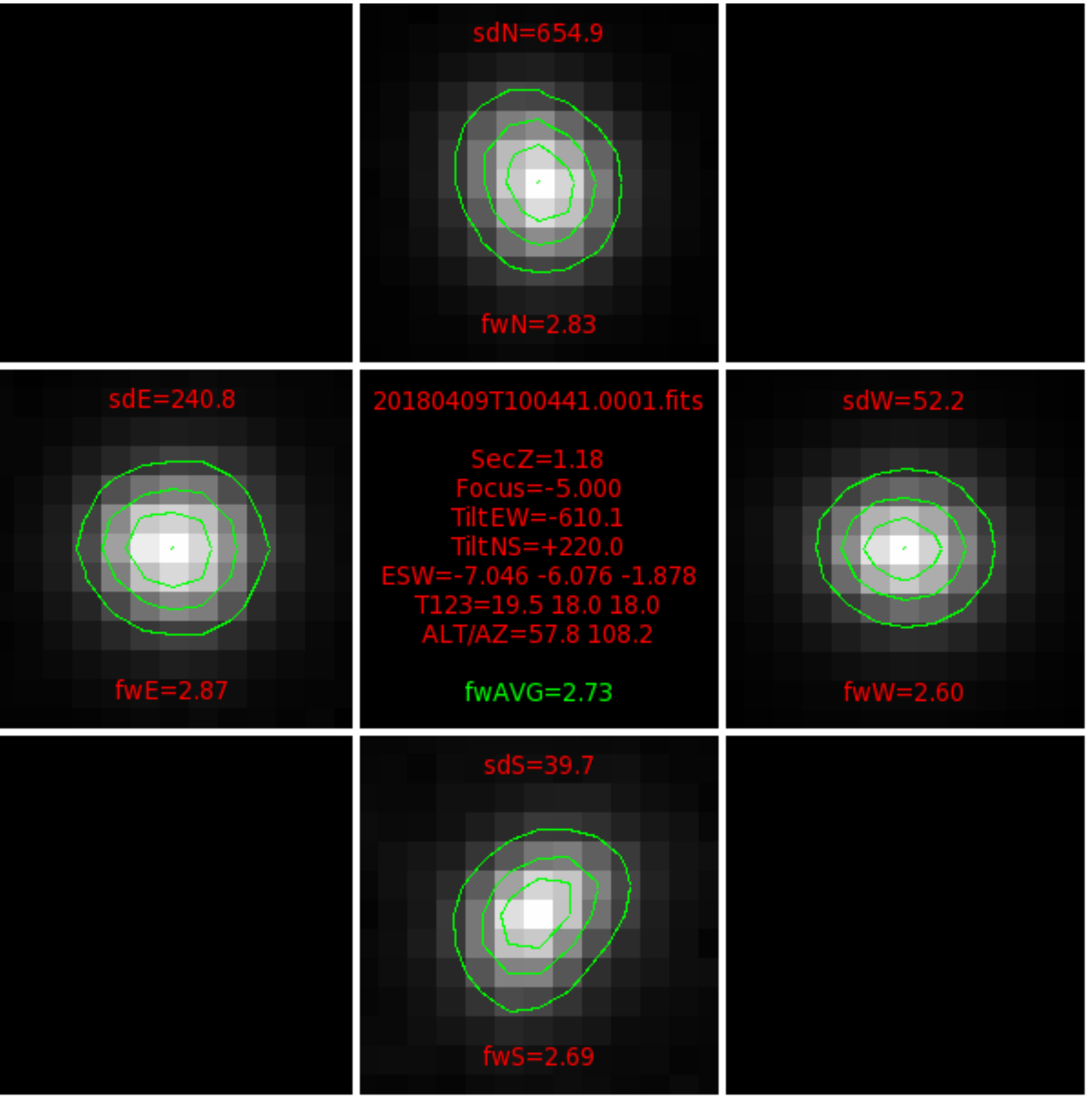
sdN=654.9
fwN=2.83
sdE=240.8
fwE=2.87
20180409T100441.0001.fits
SecZ=1.18
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.5 18.0 18.0
ALT/AZ=57.8 108.2
fwAVG=2.73
sdW=52.2
fwW=2.60
sdS=39.7
fwS=2.69
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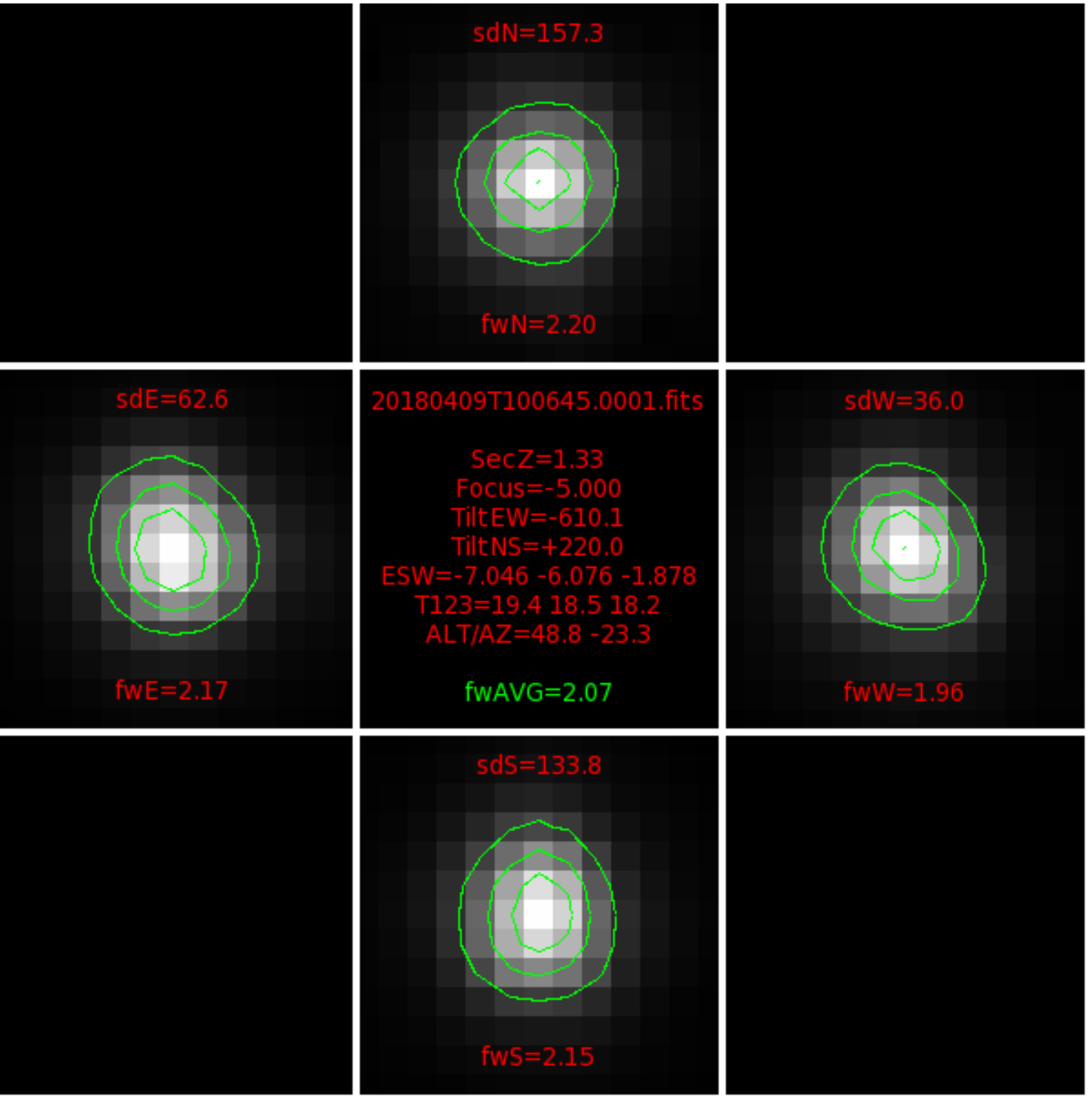
sdN=157.3
fwN=2.20
sdE=62.6
fwE=2.17
20180409T100645.0001.fits
SecZ=1.33
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.4 18.5 18.2
ALT/AZ=48.8 -23.3
fwAVG=2.07
sdW=36.0
fwW=1.96
sdS=133.8
fwS=2.15
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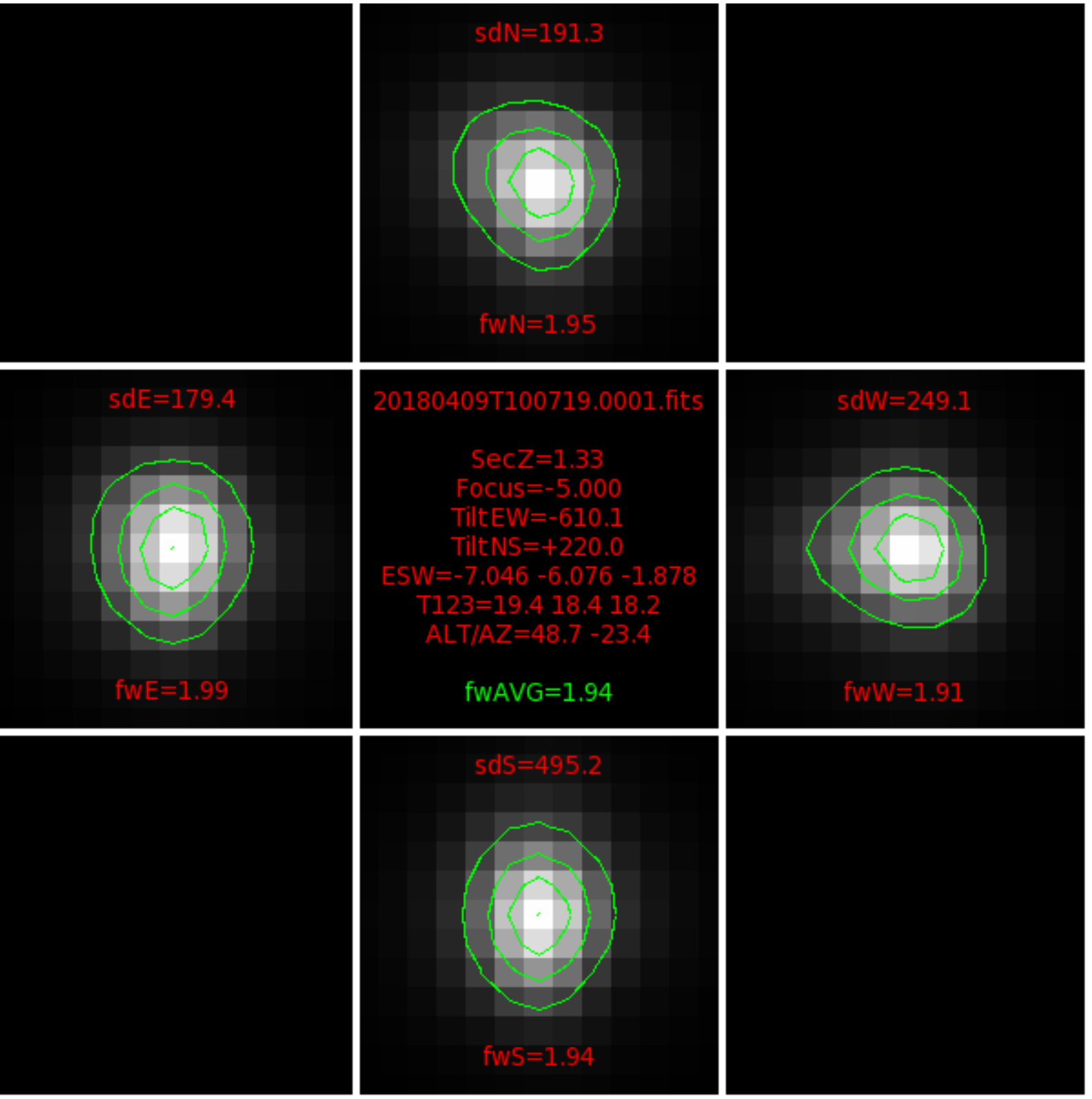
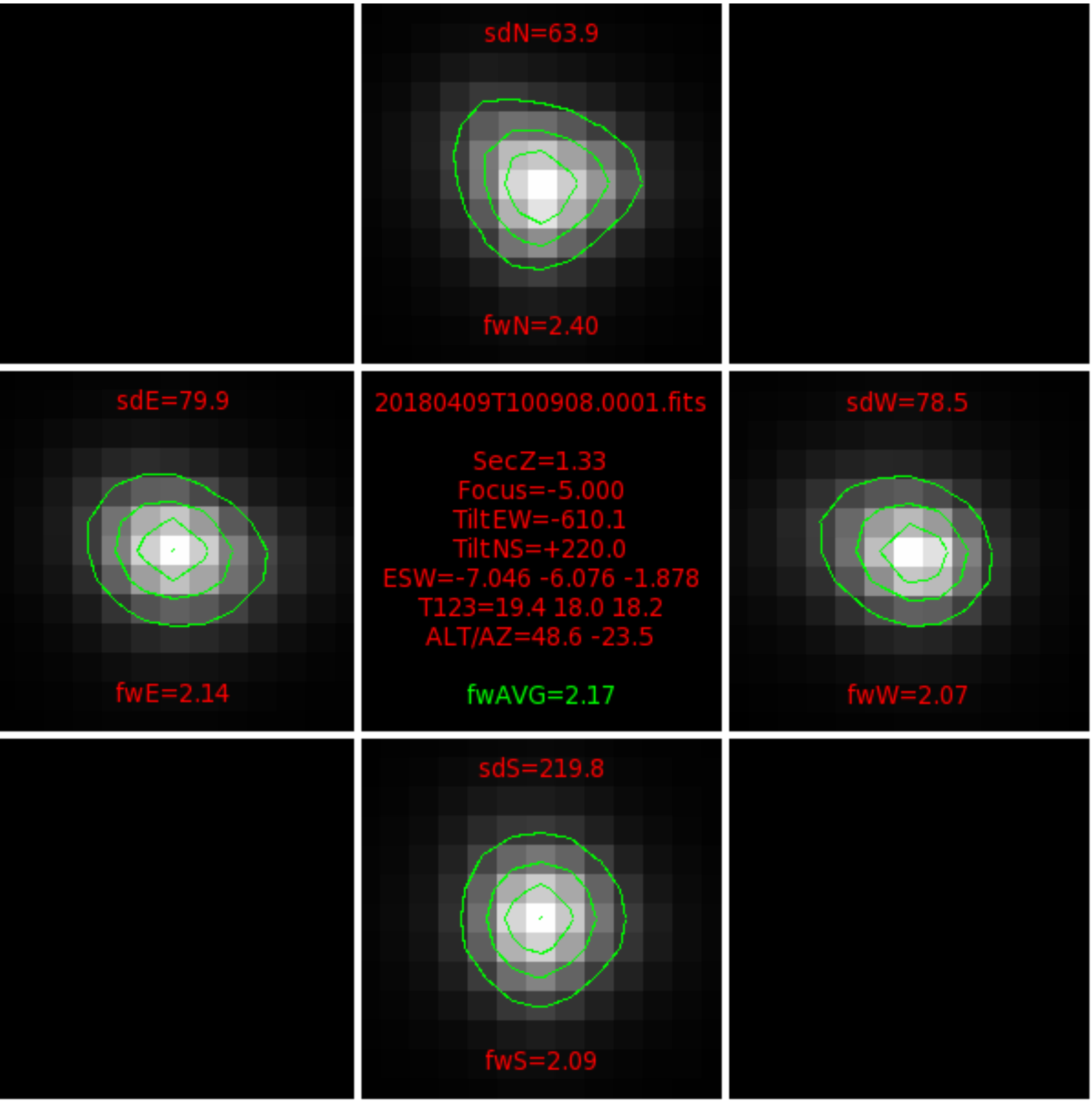
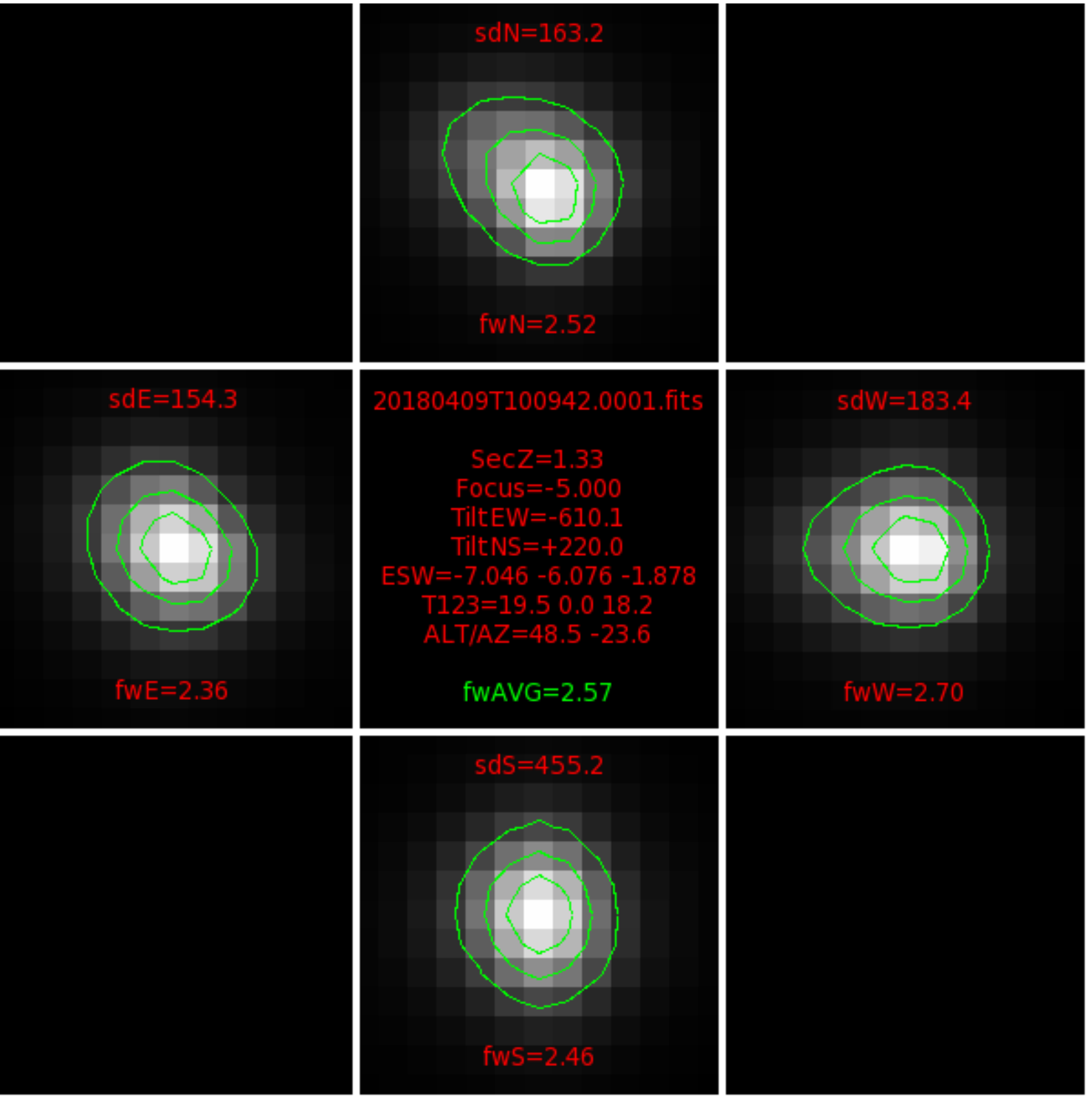
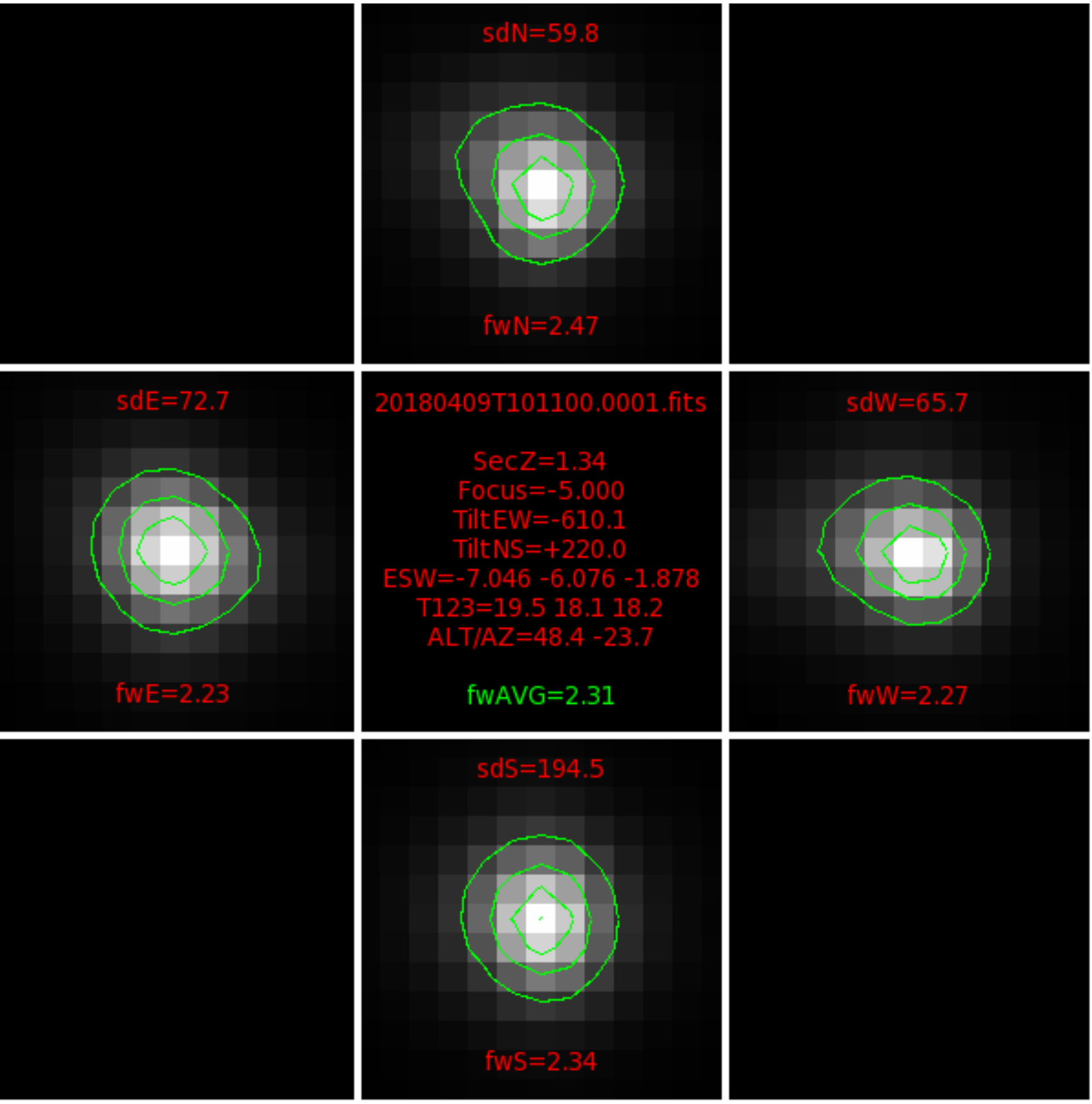
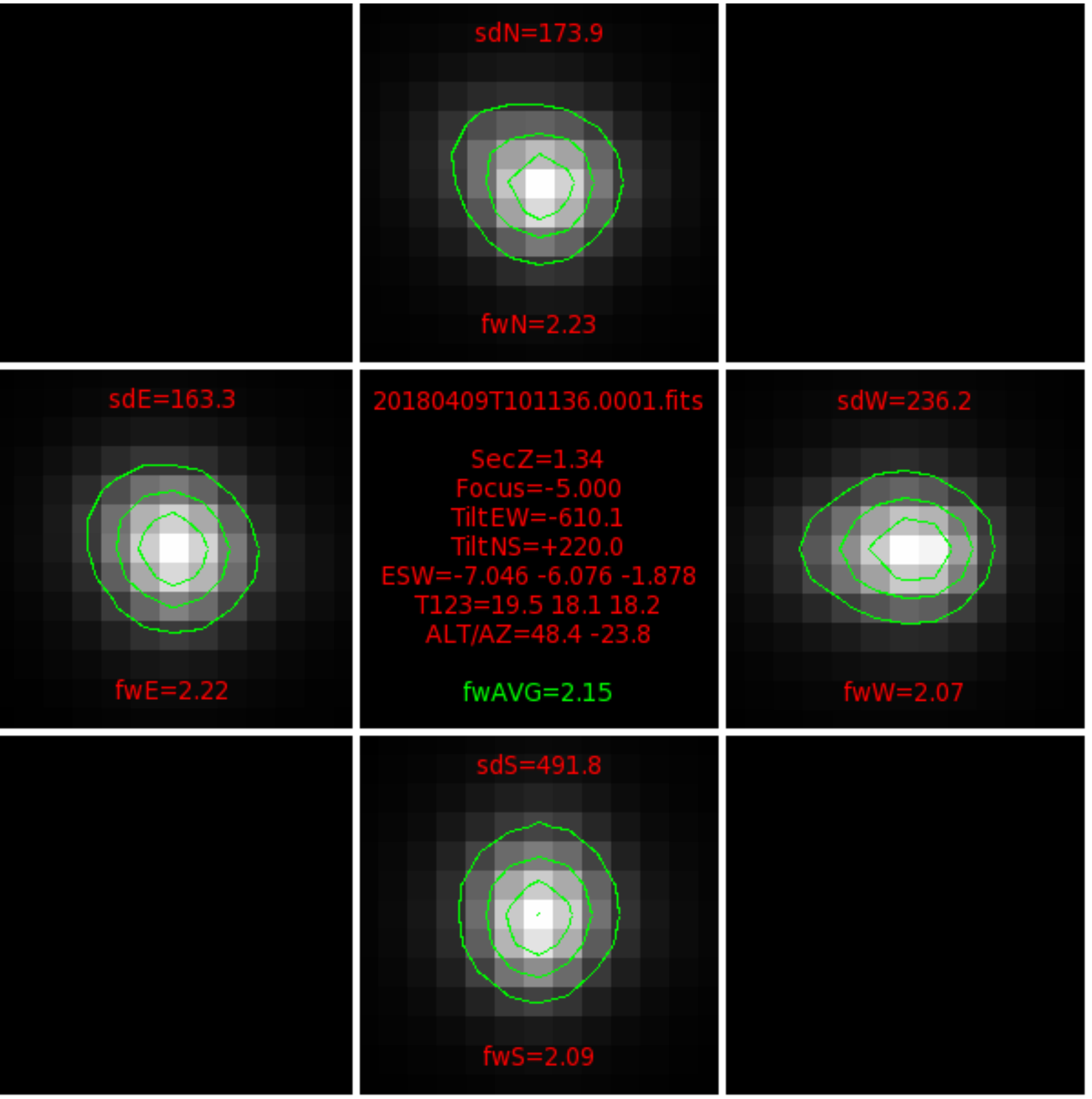

sdN=191.3
fwN=1.95
sdE=179.4
fwE=1.99
20180409T100719.0001.fits
SecZ=1.33
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.4 18.4 18.2
ALT/AZ=48.7 -23.4
fwAVG=1.94
sdW=249.1
fwW=1.91
sdS=495.2
fwS=1.94
0 0 0 0 0 0 0 0 0


sdN=63.9
fwN=2.40
sdE=79.9
fwE=2.14
20180409T100908.0001.fits
SecZ=1.33
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.4 18.0 18.2
ALT/AZ=48.6 -23.5
fwAVG=2.17
sdW=78.5
fwW=2.07
sdS=219.8
fwS=2.09
0 0 0 0 0 0 0 0 0


sdN=163.2
fwN=2.52
sdE=154.3
fwE=2.36
20180409T100942.0001.fits
SecZ=1.33
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.5 0.0 18.2
ALT/AZ=48.5 -23.6
fwAVG=2.57
sdW=183.4
fwW=2.70
sdS=455.2
fwS=2.46
0 0 0 0 0 0 0 0 0


sdN=59.8
fwN=2.47
sdE=72.7
fwE=2.23
20180409T101100.0001.fits
SecZ=1.34
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.5 18.1 18.2
ALT/AZ=48.4 -23.7
fwAVG=2.31
sdW=65.7
fwW=2.27
sdS=194.5
fwS=2.34
0 0 0 0 0 0 0 0 0


sdN=173.9
fwN=2.23
sdE=163.3
fwE=2.22
20180409T101136.0001.fits
SecZ=1.34
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.5 18.1 18.2
ALT/AZ=48.4 -23.8
fwAVG=2.15
sdW=236.2
fwW=2.07
sdS=491.8
fwS=2.09
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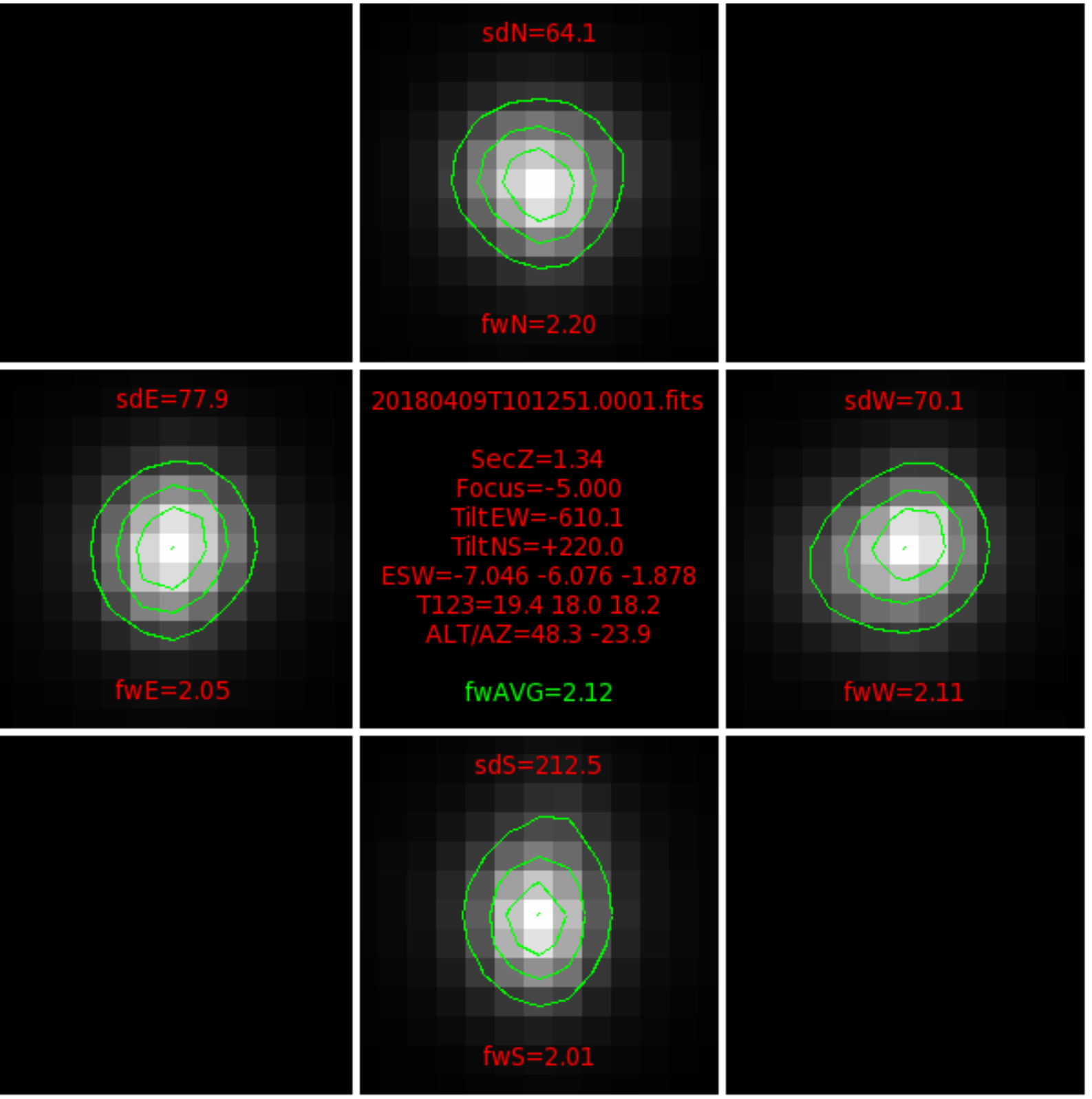
sdN=64.1
fwN=2.20
sdE=77.9
fwE=2.05
20180409T101251.0001.fits
SecZ=1.34
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.4 18.0 18.2
ALT/AZ=48.3 -23.9
fwAVG=2.12
sdW=70.1
fwW=2.11
sdS=212.5
fwS=2.01
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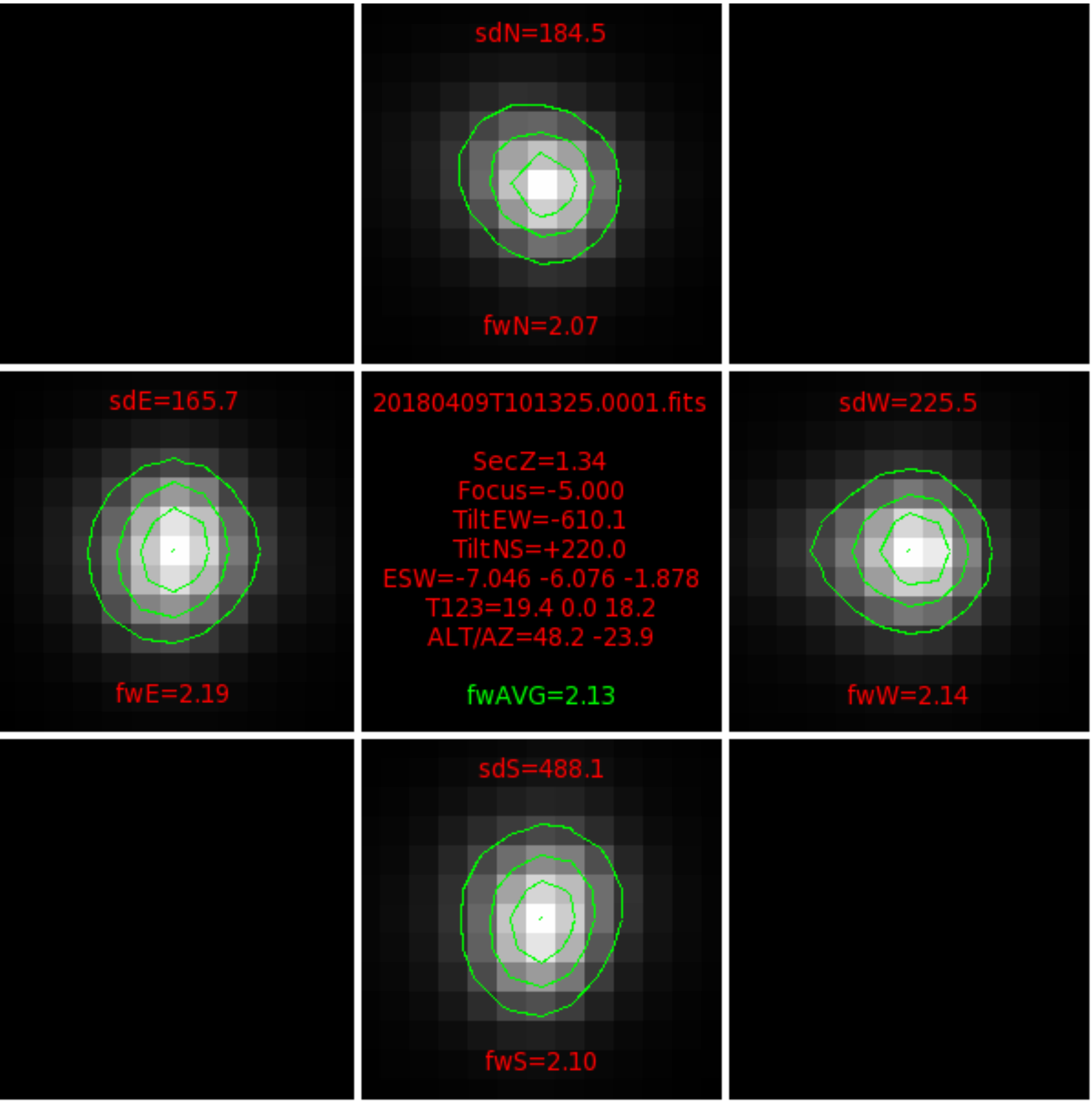
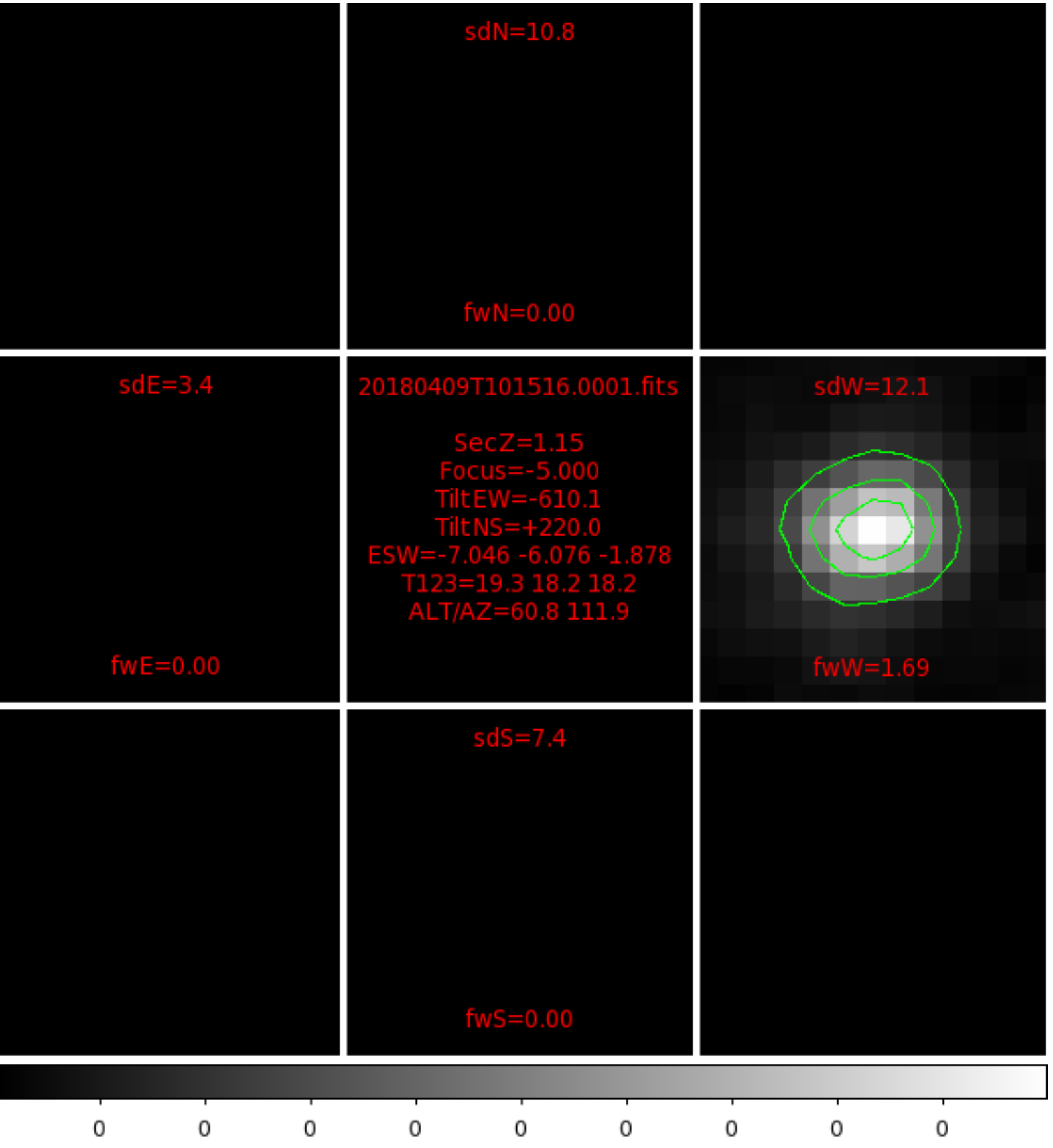
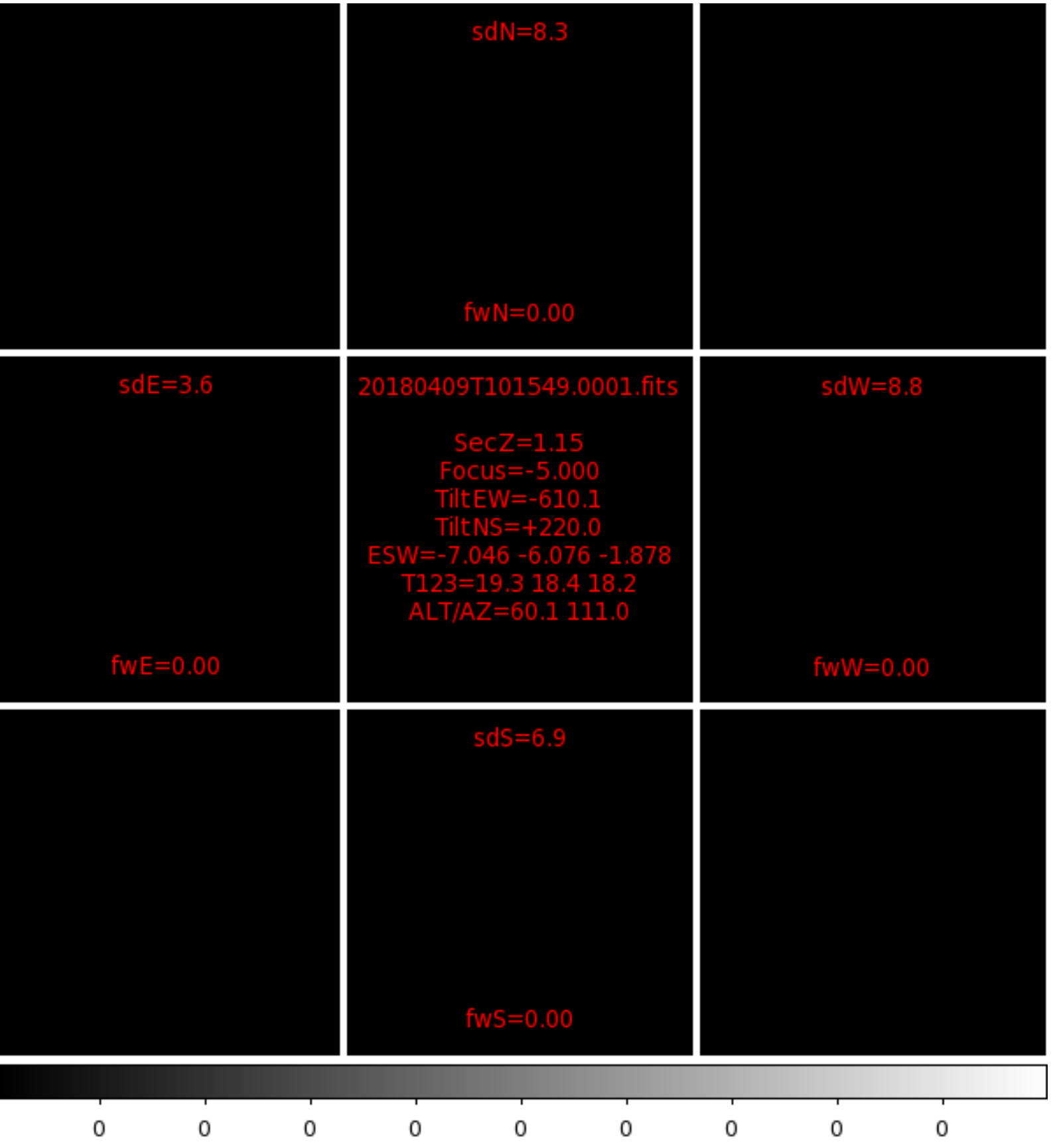
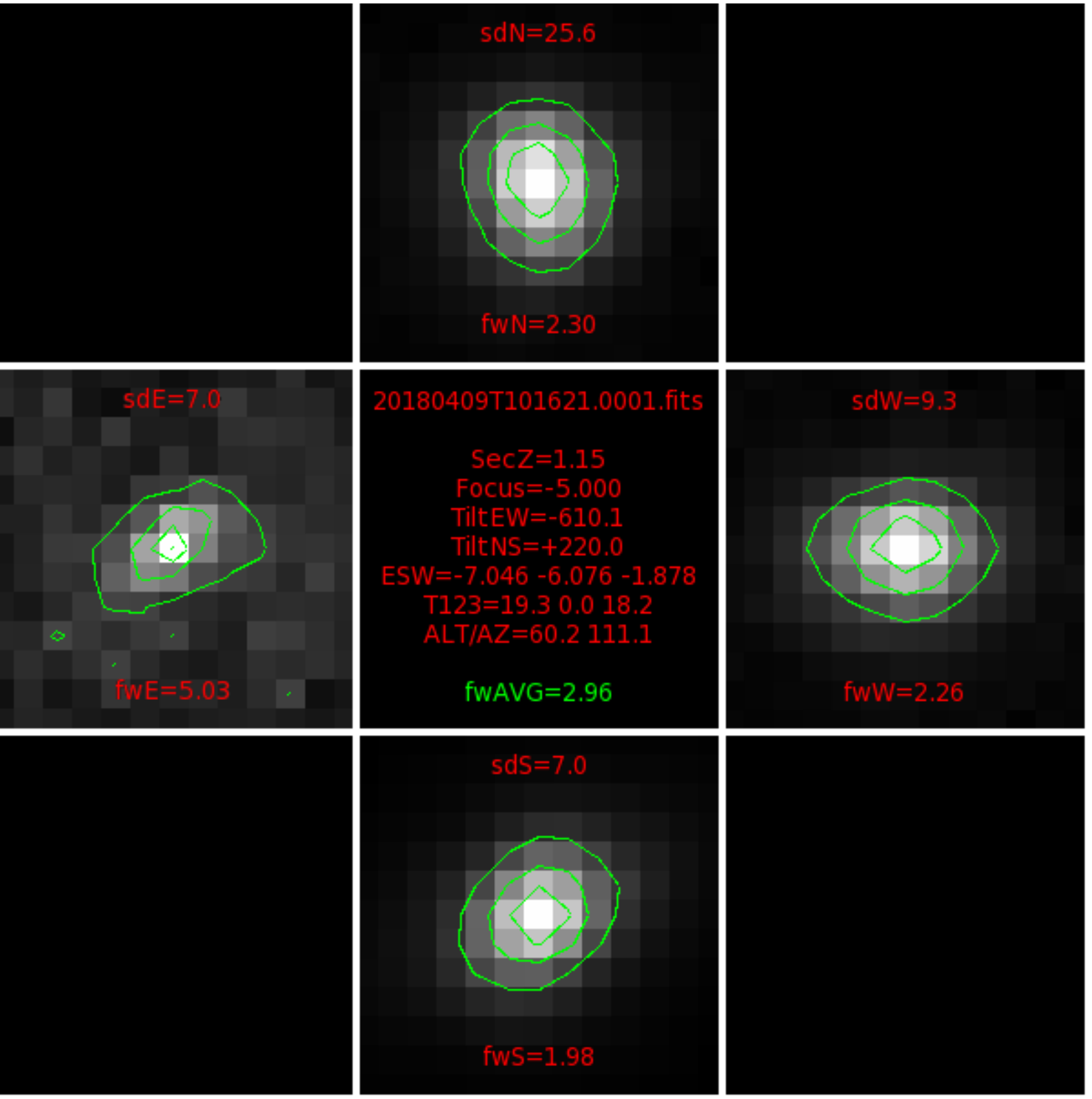
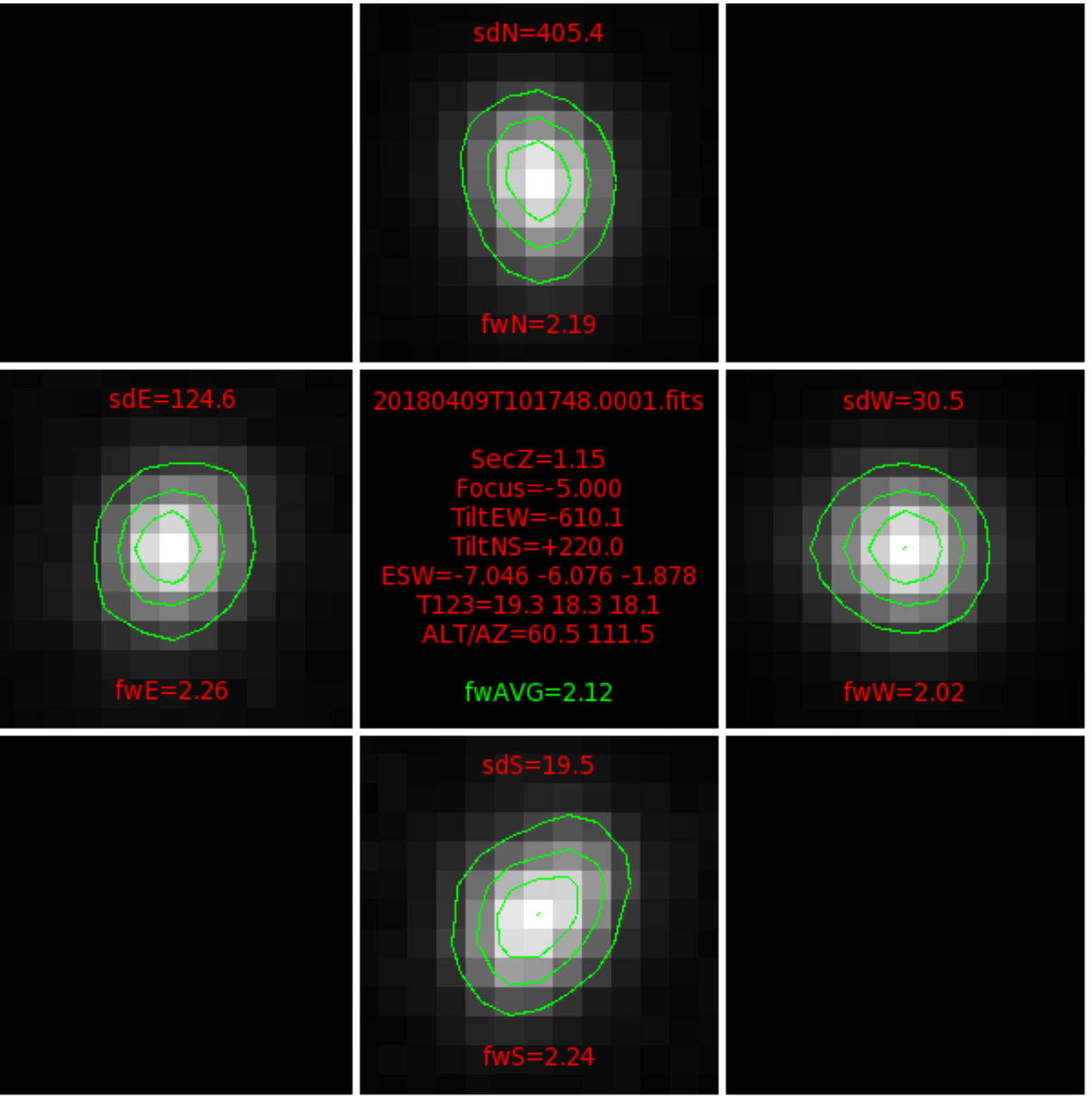
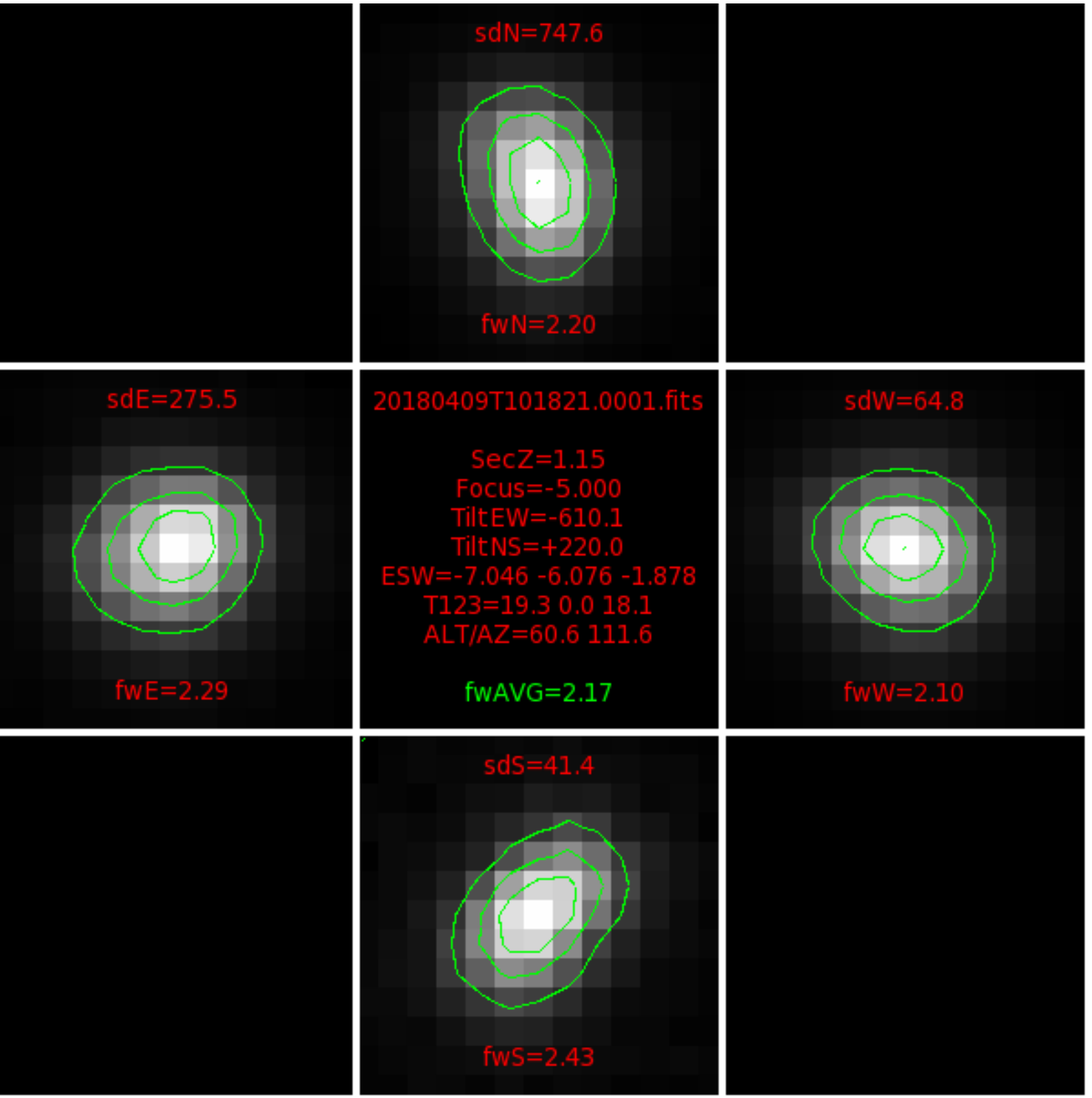

sdN=184.5
fwN=2.07
sdE=165.7
fwE=2.19
20180409T101325.0001.fits
SecZ=1.34
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.4 0.0 18.2
ALT/AZ=48.2 -23.9
fwAVG=2.13
sdW=225.5
fwW=2.14
sdS=488.1
fwS=2.10
0 0 0 0 0 0 0 0 0

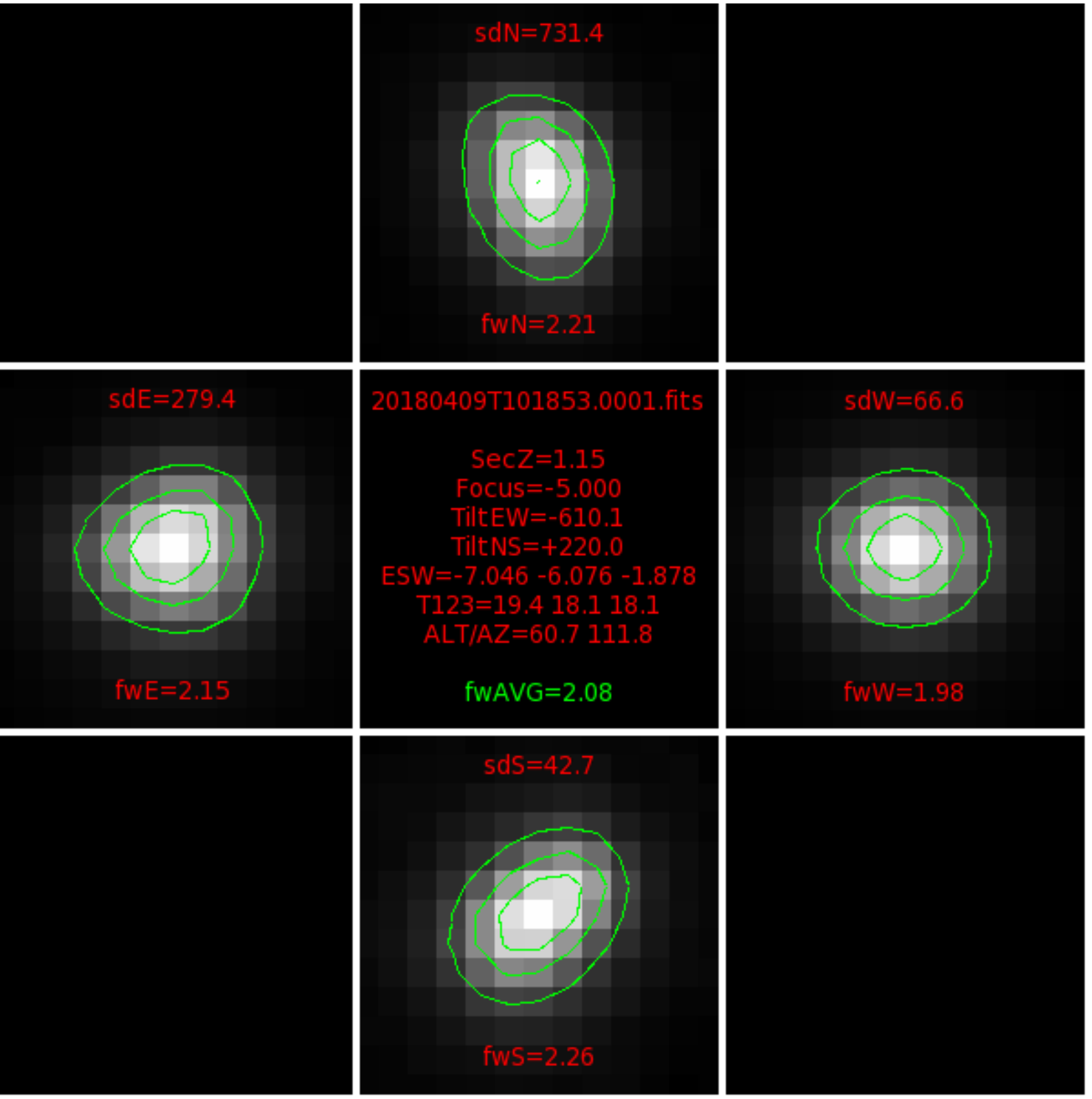

sdN=10.8
fwN=0.00
sdE=3.4
fwE=0.00
20180409T101516.0001.fits
SecZ=1.15
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.3 18.2 18.2
ALT/AZ=60.8 111.9
sdW=12.1
fwW=1.69
sdS=7.4
fwS=0.00
0 0 0 0 0 0 0 0 0

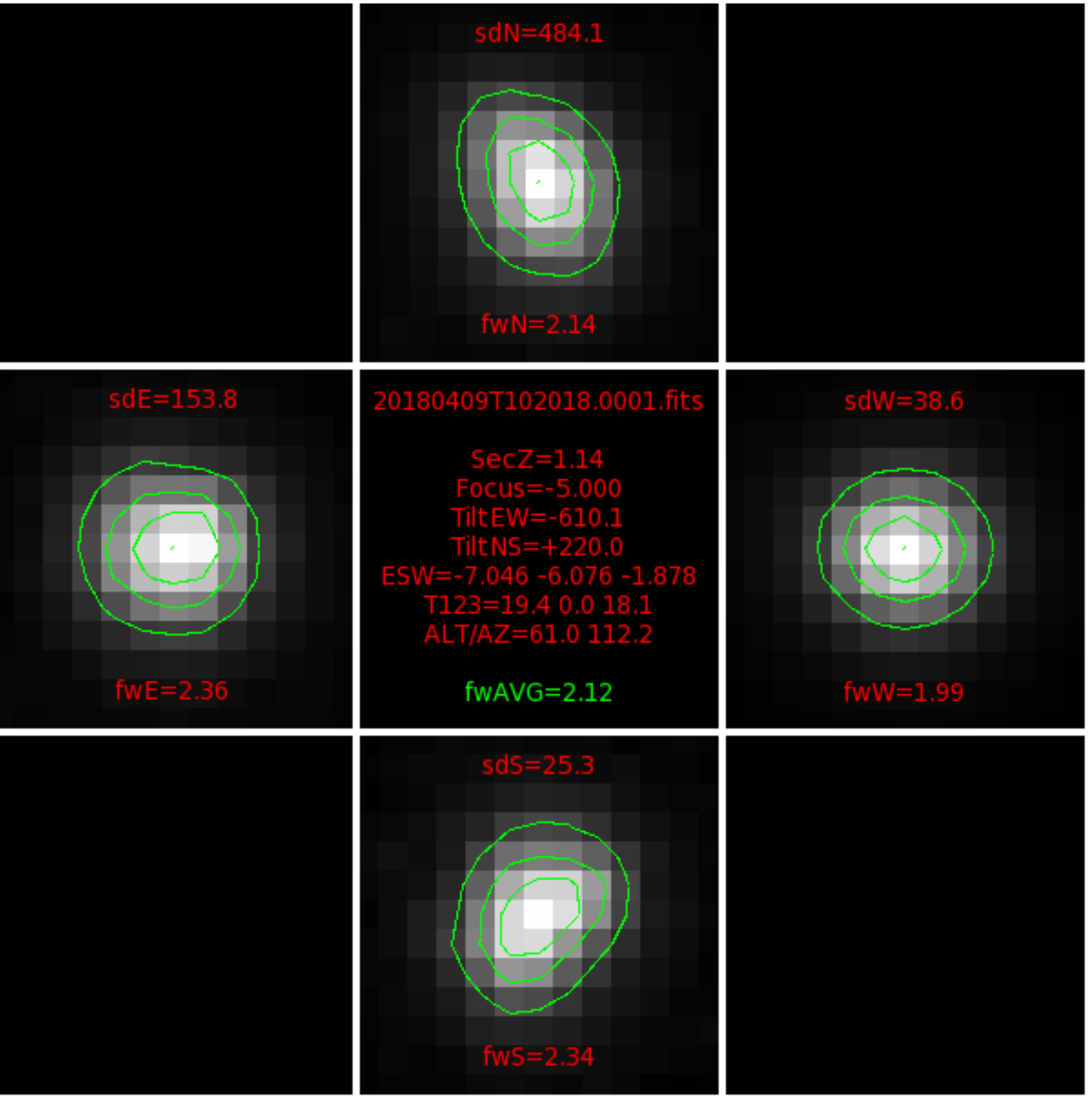

sdN=8.3
fwN=0.00
sdE=3.6
20180409T101549.0001.fits
SecZ=1.15
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.3 18.4 18.2
ALT/AZ=60.1 111.0
sdW=8.8
fwE=0.00
fwW=0.00
sdS=6.9
fwS=0.00
0 0 0 0 0 0 0 0 0

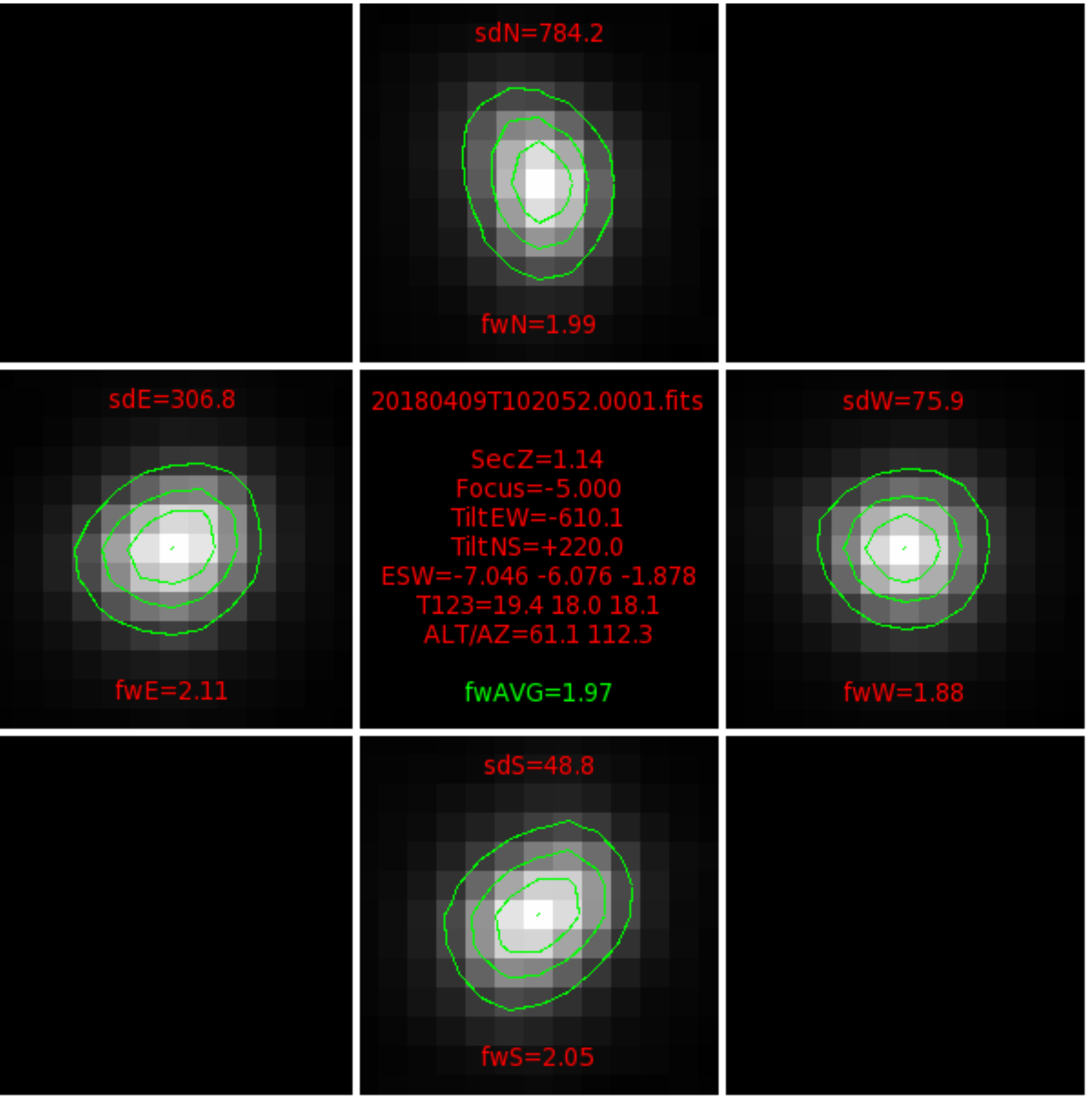

sdN=25.6
fwN=2.30
sdE=7.0
fwE=5.03
20180409T101621.0001.fits
SecZ=1.15
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.3 0.0 18.2
ALT/AZ=60.2 111.1
fwAVG=2.96
sdW=9.3
fwW=2.26
sdS=7.0
fwS=1.98
0 0 0 0 0 0 0 0 0

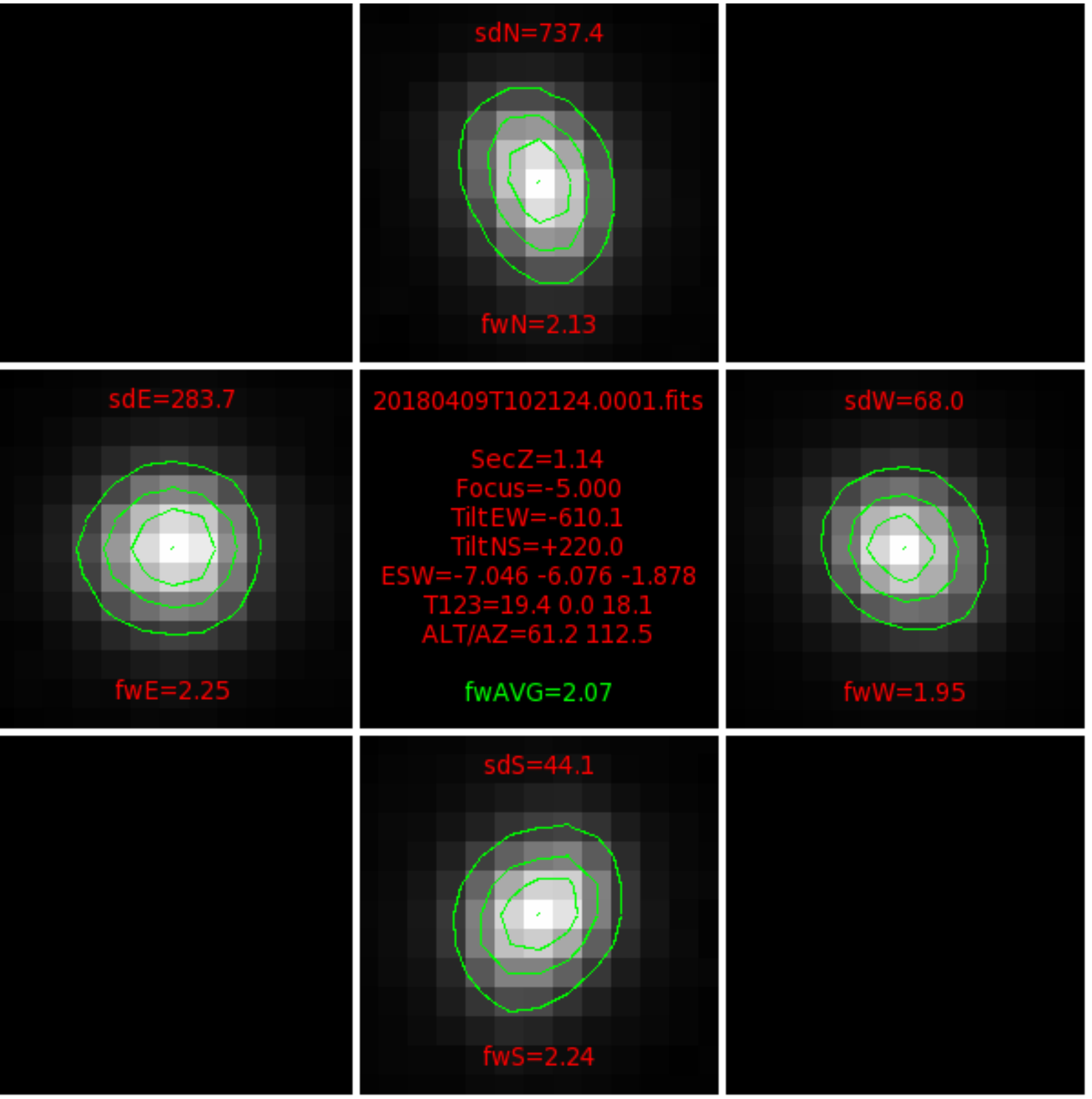

sdN=405.4
fwN=2.19
sdE=124.6
fwE=2.26
20180409T101748.0001.fits
SecZ=1.15
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.3 18.3 18.1
ALT/AZ=60.5 111.5
fwAVG=2.12
sdW=30.5
fwW=2.02
sdS=19.5
fwS=2.24
0 0 0 0 0 0 0 0 0

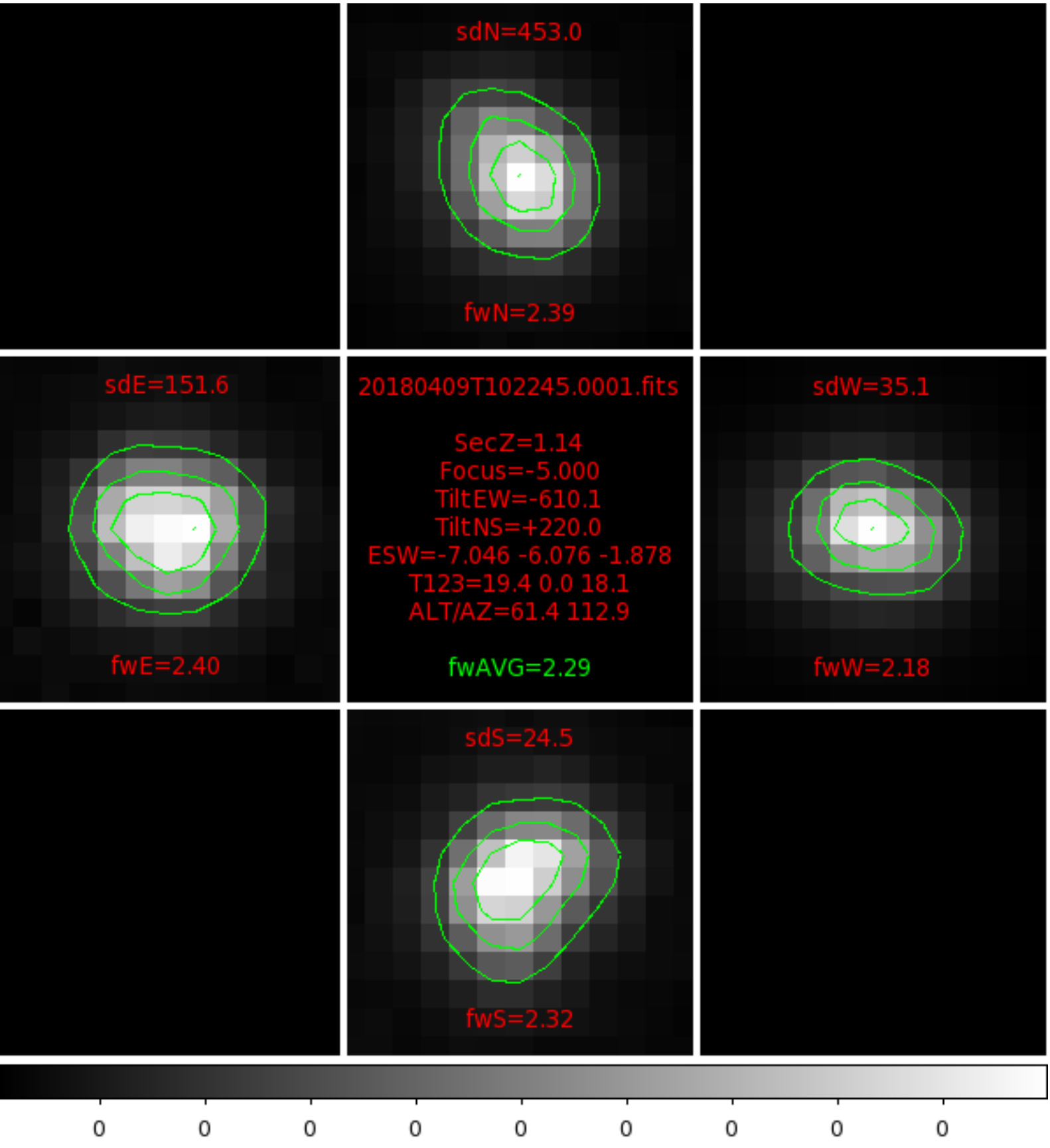

sdN=747.6
fwN=2.20
sdE=275.5
fwE=2.29
20180409T101821.0001.fits
SecZ=1.15
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.3 0.0 18.1
ALT/AZ=60.6 111.6
fwAVG=2.17
sdW=64.8
fwW=2.10
sdS=41.4
fwS=2.43
0 0 0 0 0 0 0 0 0

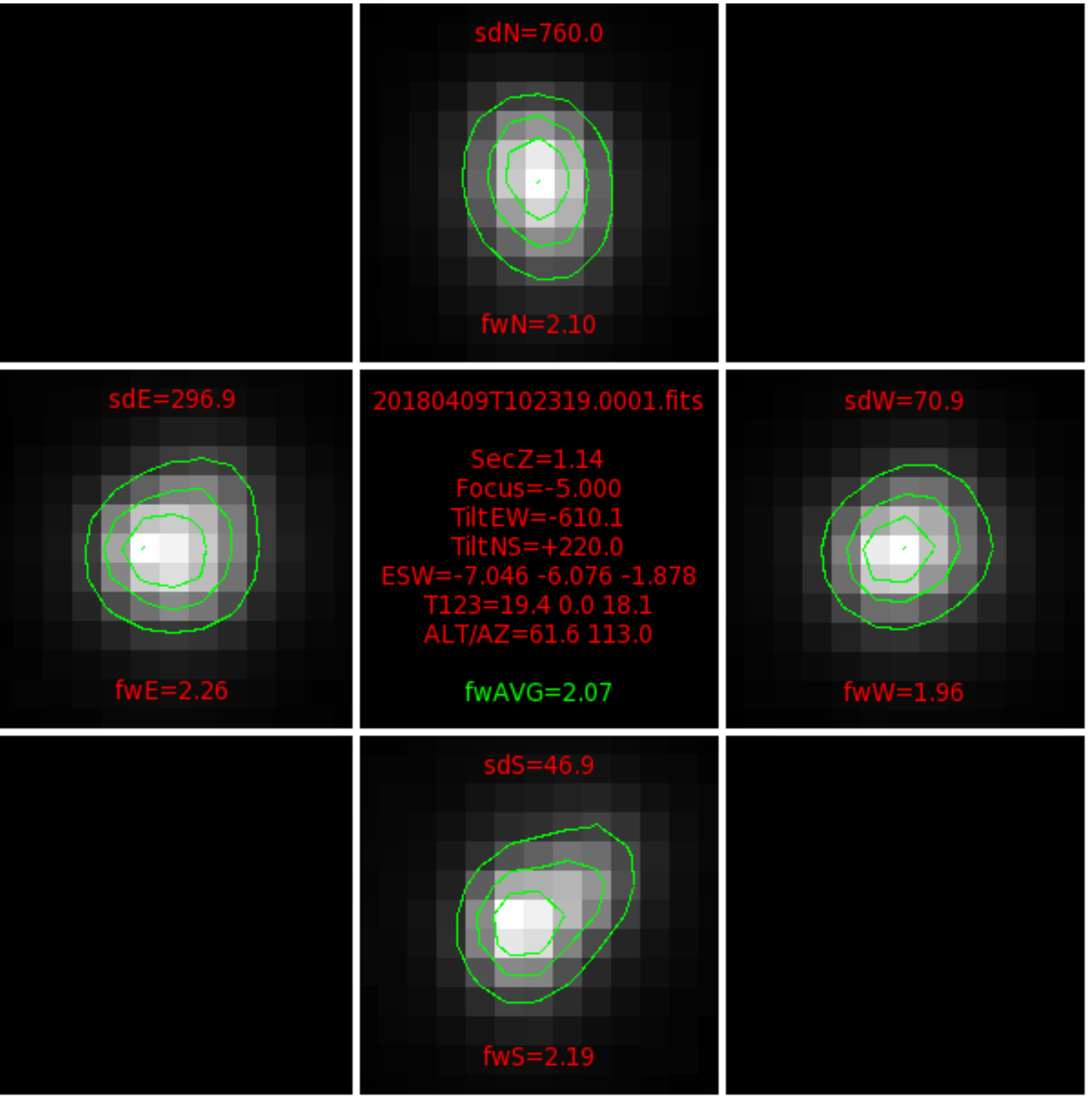

sdN=731.4
fwN=2.21
sdE=279.4
fwE=2.15
20180409T101853.0001.fits
SecZ=1.15
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.4 18.1 18.1
ALT/AZ=60.7 111.8
fwAVG=2.08
sdW=66.6
fwW=1.98
sdS=42.7
fwS=2.26
0 0 0 0 0 0 0 0 0

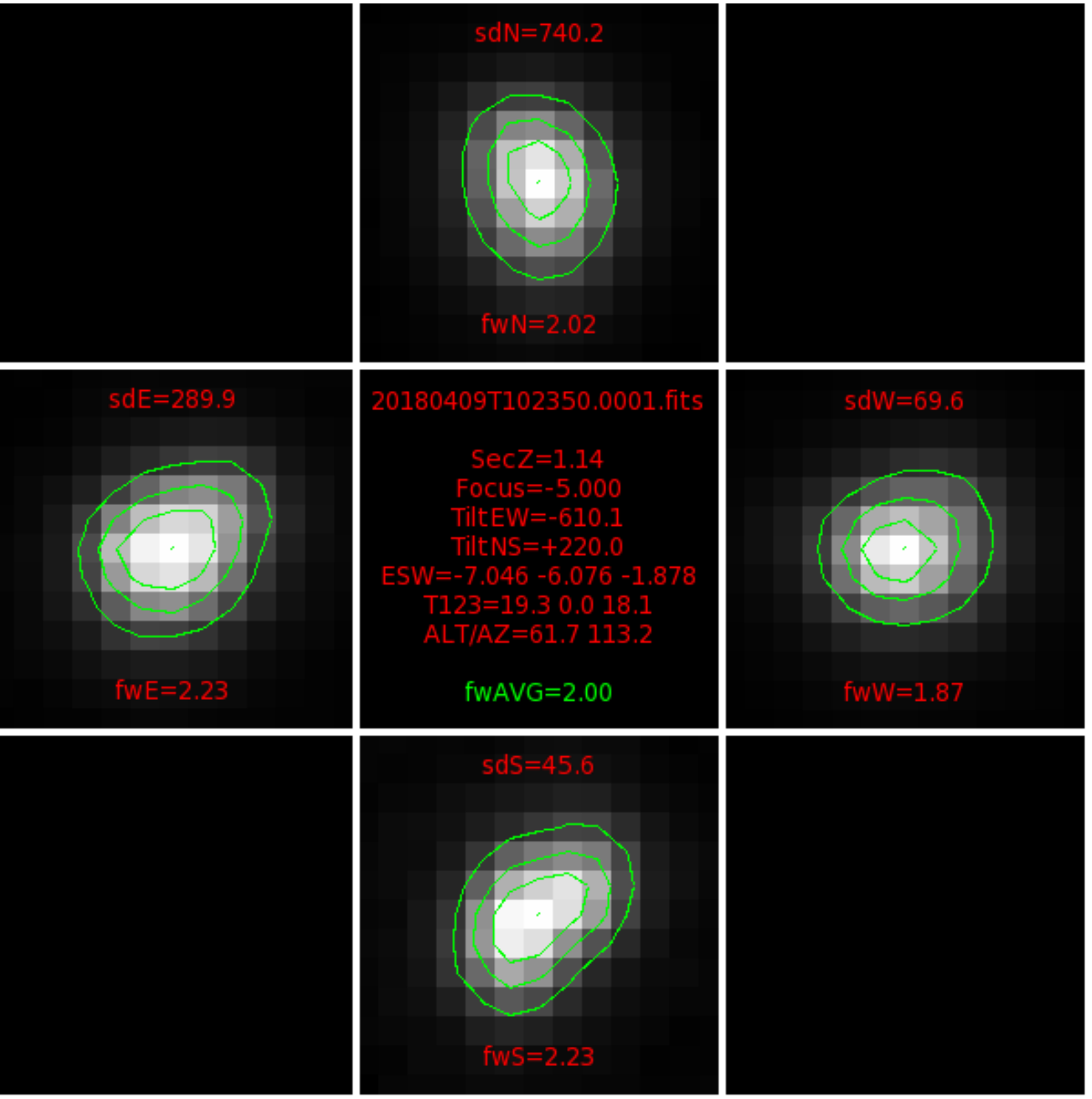

sdN=484.1
fwN=2.14
sdE=153.8
fwE=2.36
20180409T102018.0001.fits
SecZ=1.14
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.4 0.0 18.1
ALT/AZ=61.0 112.2
fwAVG=2.12
sdW=38.6
fwW=1.99
sdS=25.3
fwS=2.34
0 0 0 0 0 0 0 0 0

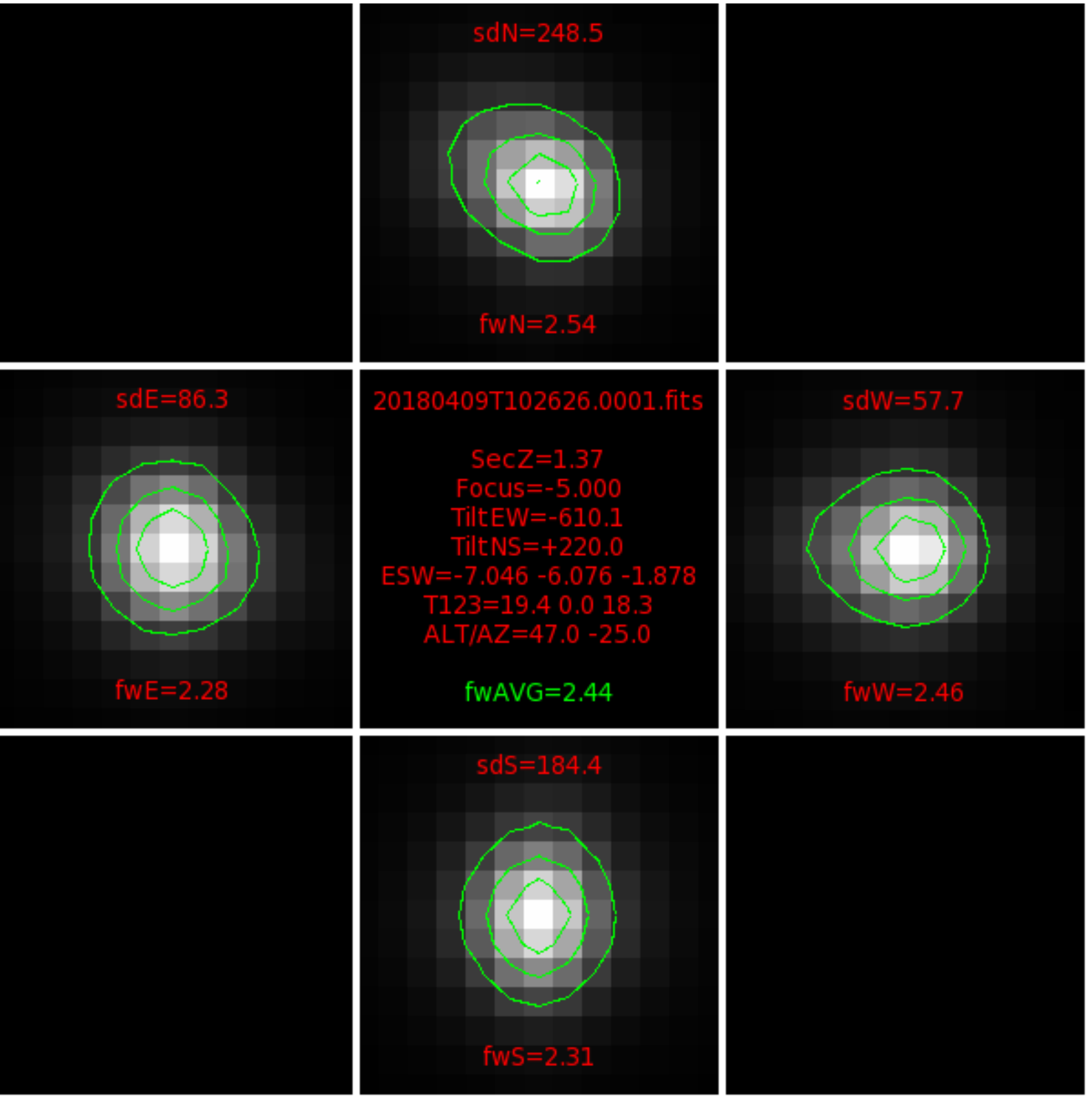

sdN=784.2
fwN=1.99
sdE=306.8
fwE=2.11
20180409T102052.0001.fits
SecZ=1.14
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.4 18.0 18.1
ALT/AZ=61.1 112.3
fwAVG=1.97
sdW=75.9
fwW=1.88
sdS=48.8
fwS=2.05
0 0 0 0 0 0 0 0 0

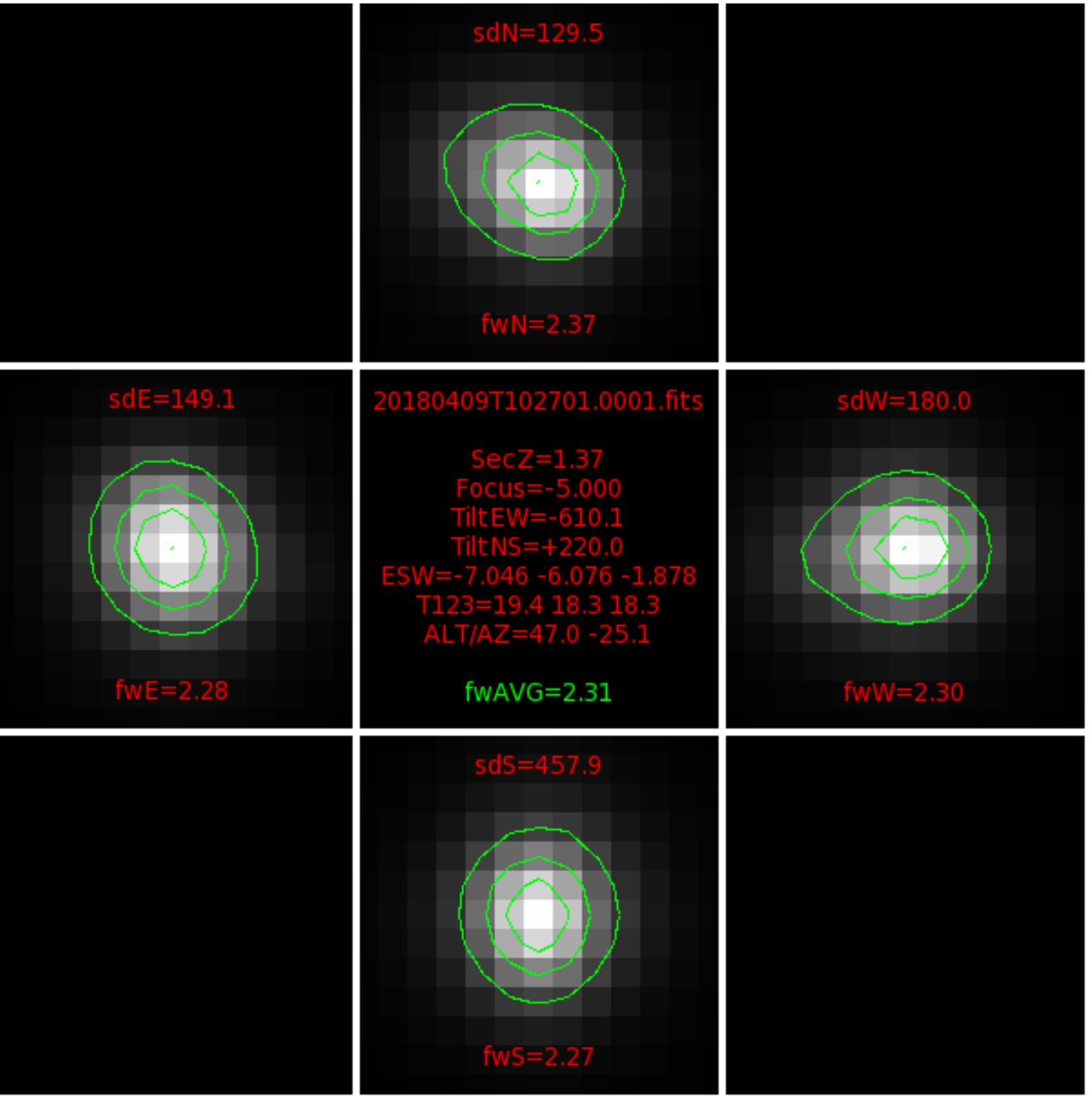

sdN=737.4
fwN=2.13
sdE=283.7
fwE=2.25
20180409T102124.0001.fits
SecZ=1.14
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.4 0.0 18.1
ALT/AZ=61.2 112.5
fwAVG=2.07
sdW=68.0
fwW=1.95
sdS=44.1
fwS=2.24
0 0 0 0 0 0 0 0 0

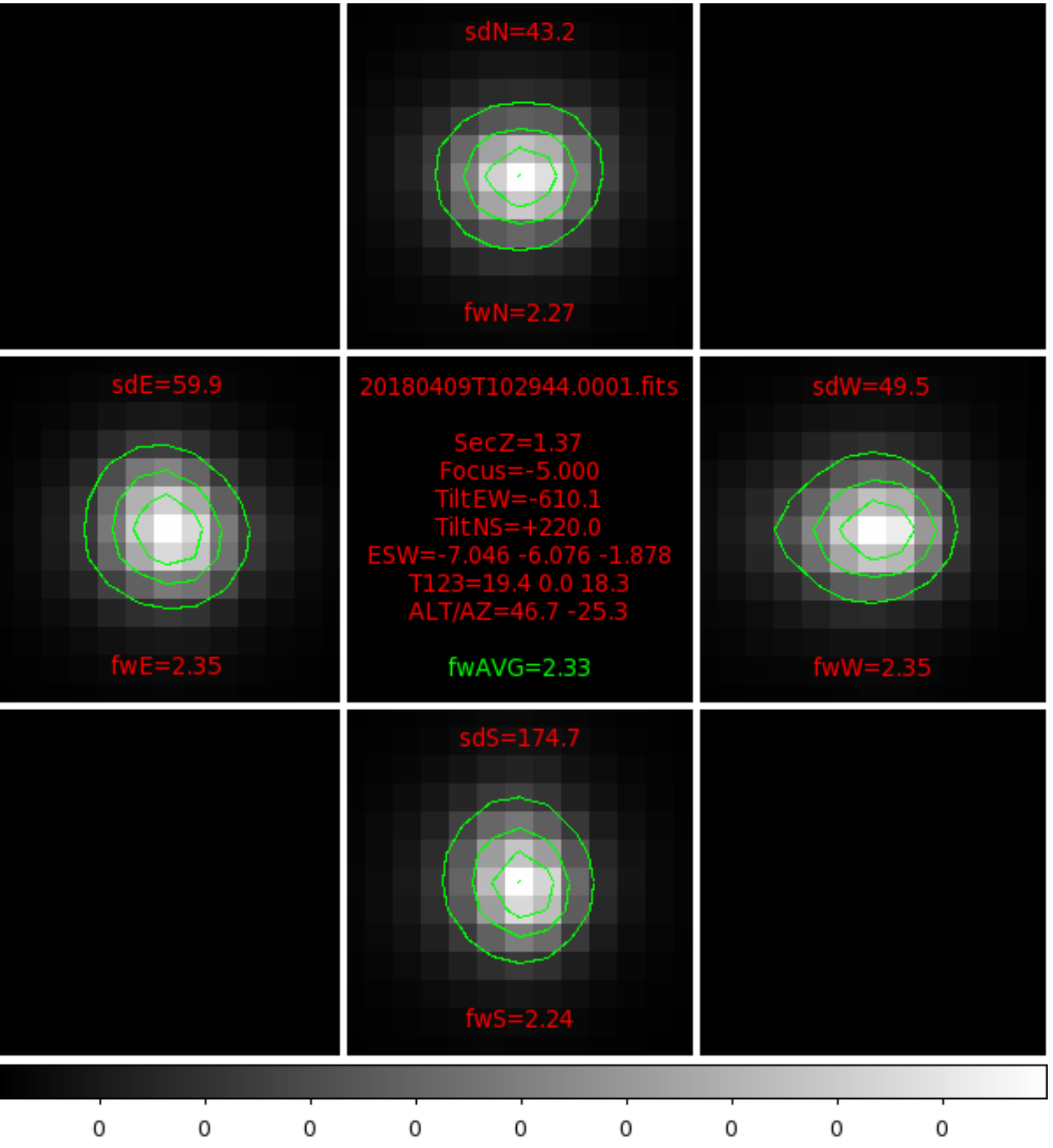

sdN=453.0
fwN=2.39
sdE=151.6
fwE=2.40
20180409T102245.0001.fits
SecZ=1.14
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.4 0.0 18.1
ALT/AZ=61.4 112.9
fwAVG=2.29
sdW=35.1
fwW=2.18
sdS=24.5
fwS=2.32
0 0 0 0 0 0 0 0 0

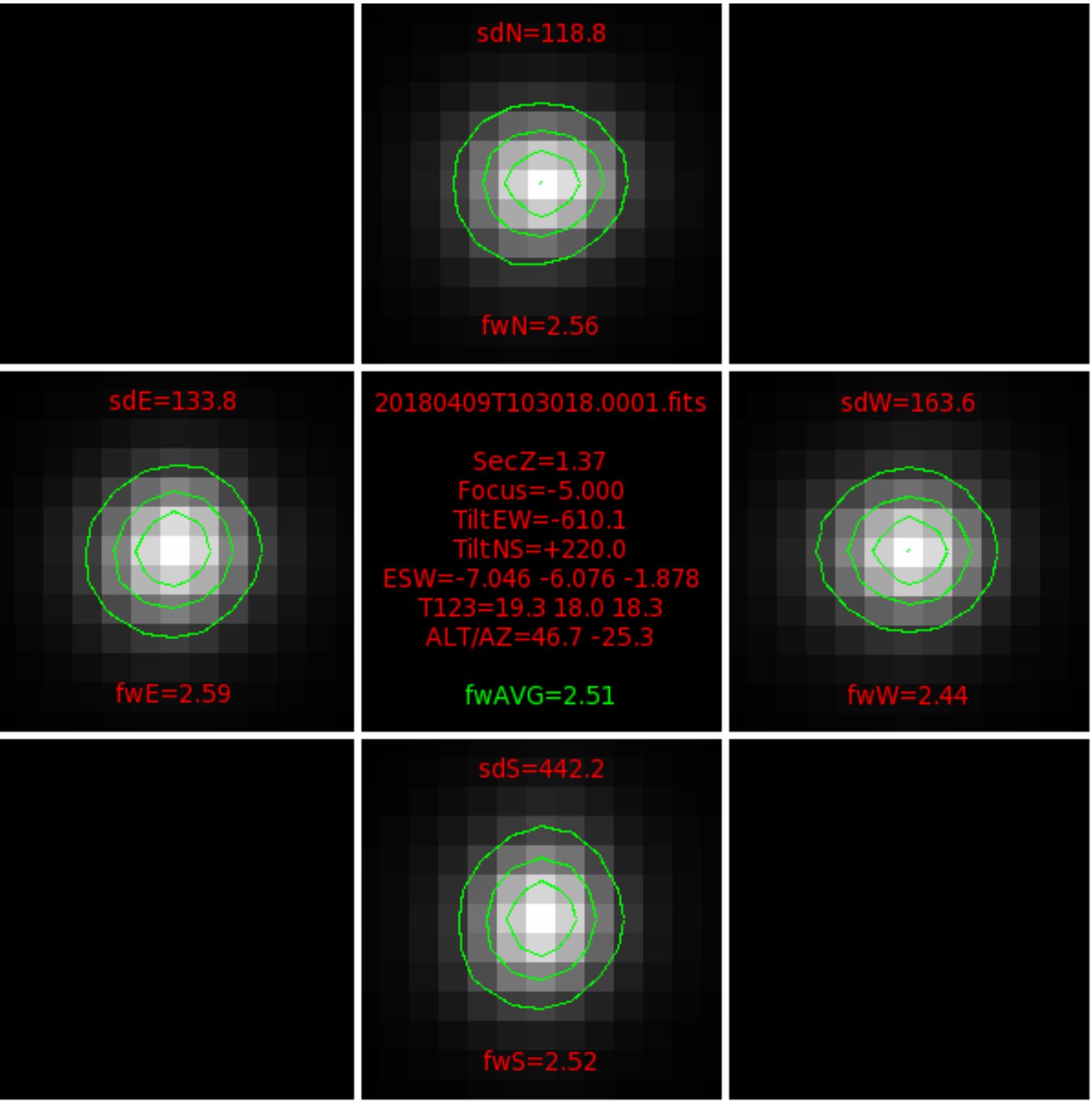

sdN=760.0
fwN=2.10
sdE=296.9
fwE=2.26
20180409T102319.0001.fits
SecZ=1.14
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.4 0.0 18.1
ALT/AZ=61.6 113.0
fwAVG=2.07
sdW=70.9
fwW=1.96
sdS=46.9
fwS=2.19
0 0 0 0 0 0 0 0 0


sdN=740.2
fwN=2.02
sdE=289.9
fwE=2.23
20180409T102350.0001.fits
SecZ=1.14
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.3 0.0 18.1
ALT/AZ=61.7 113.2
fwAVG=2.00
sdW=69.6
fwW=1.87
sdS=45.6
fwS=2.23
0 0 0 0 0 0 0 0 0


sdN=248.5
fwN=2.54
sdE=86.3
fwE=2.28
20180409T102626.0001.fits
SecZ=1.37
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.4 0.0 18.3
ALT/AZ=47.0 -25.0
fwAVG=2.44
sdW=57.7
fwW=2.46
sdS=184.4
fwS=2.31
0 0 0 0 0 0 0 0 0


sdN=129.5
fwN=2.37
sdE=149.1
fwE=2.28
20180409T102701.0001.fits
SecZ=1.37
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.4 18.3 18.3
ALT/AZ=47.0 -25.1
fwAVG=2.31
sdW=180.0
fwW=2.30
sdS=457.9
fwS=2.27
0 0 0 0 0 0 0 0 0


sdN=43.2
fwN=2.27
sdE=59.9
fwE=2.35
20180409T102944.0001.fits
SecZ=1.37
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.4 0.0 18.3
ALT/AZ=46.7 -25.3
fwAVG=2.33
sdW=49.5
fwW=2.35
sdS=174.7
fwS=2.24
0 0 0 0 0 0 0 0 0


sdN=118.8
fwN=2.56
sdE=133.8
fwE=2.59
20180409T103018.0001.fits
SecZ=1.37
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.3 18.0 18.3
ALT/AZ=46.7 -25.3
fwAVG=2.51
sdW=163.6
fwW=2.44
sdS=442.2
fwS=2.52
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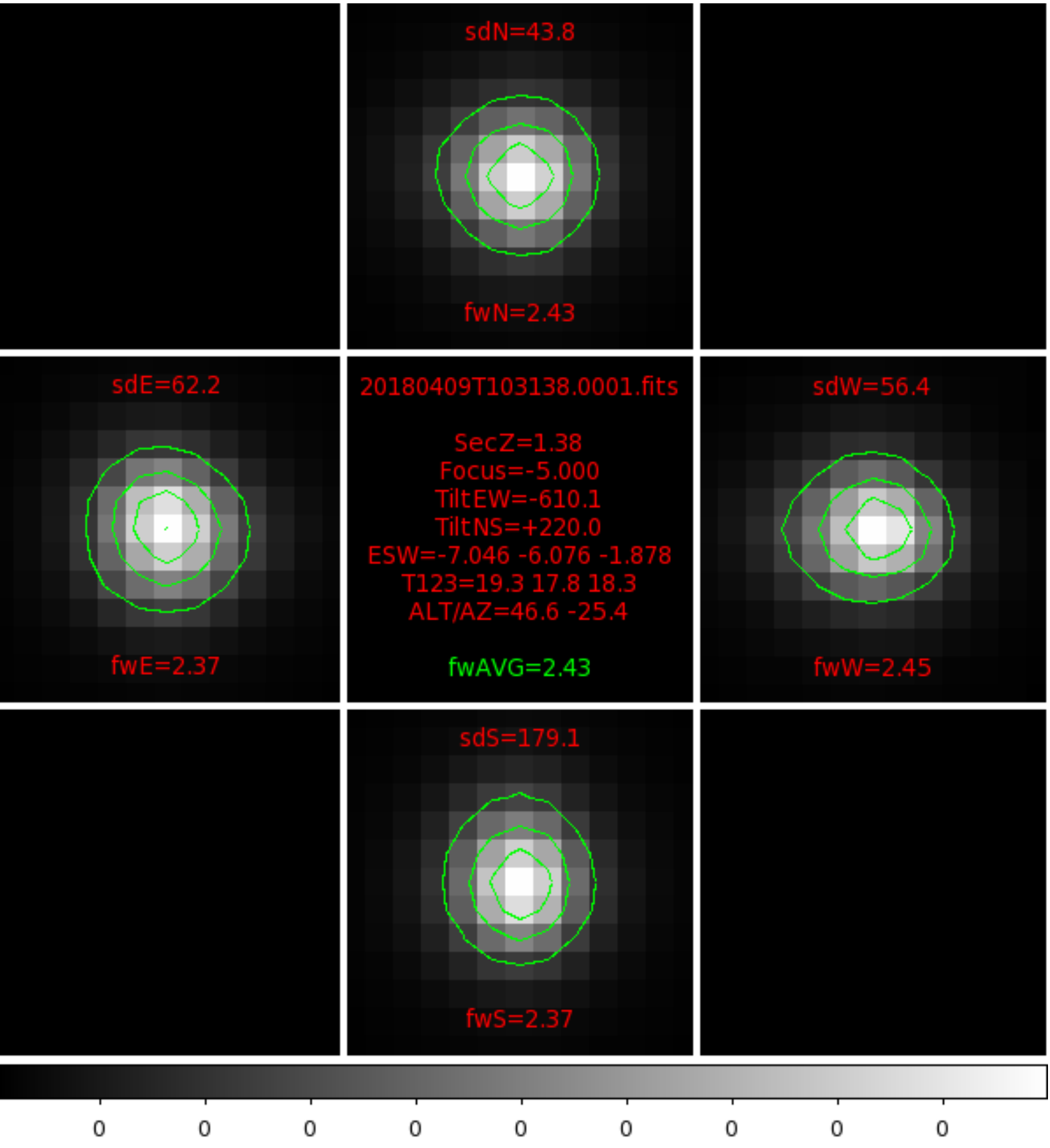
sdN=43.8
fwN=2.43
sdE=62.2
fwE=2.37
20180409T103138.0001.fits
SecZ=1.38
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.3 17.8 18.3
ALT/AZ=46.6 -25.4
fwAVG=2.43
sdW=56.4
fwW=2.45
sdS=179.1
fwS=2.37
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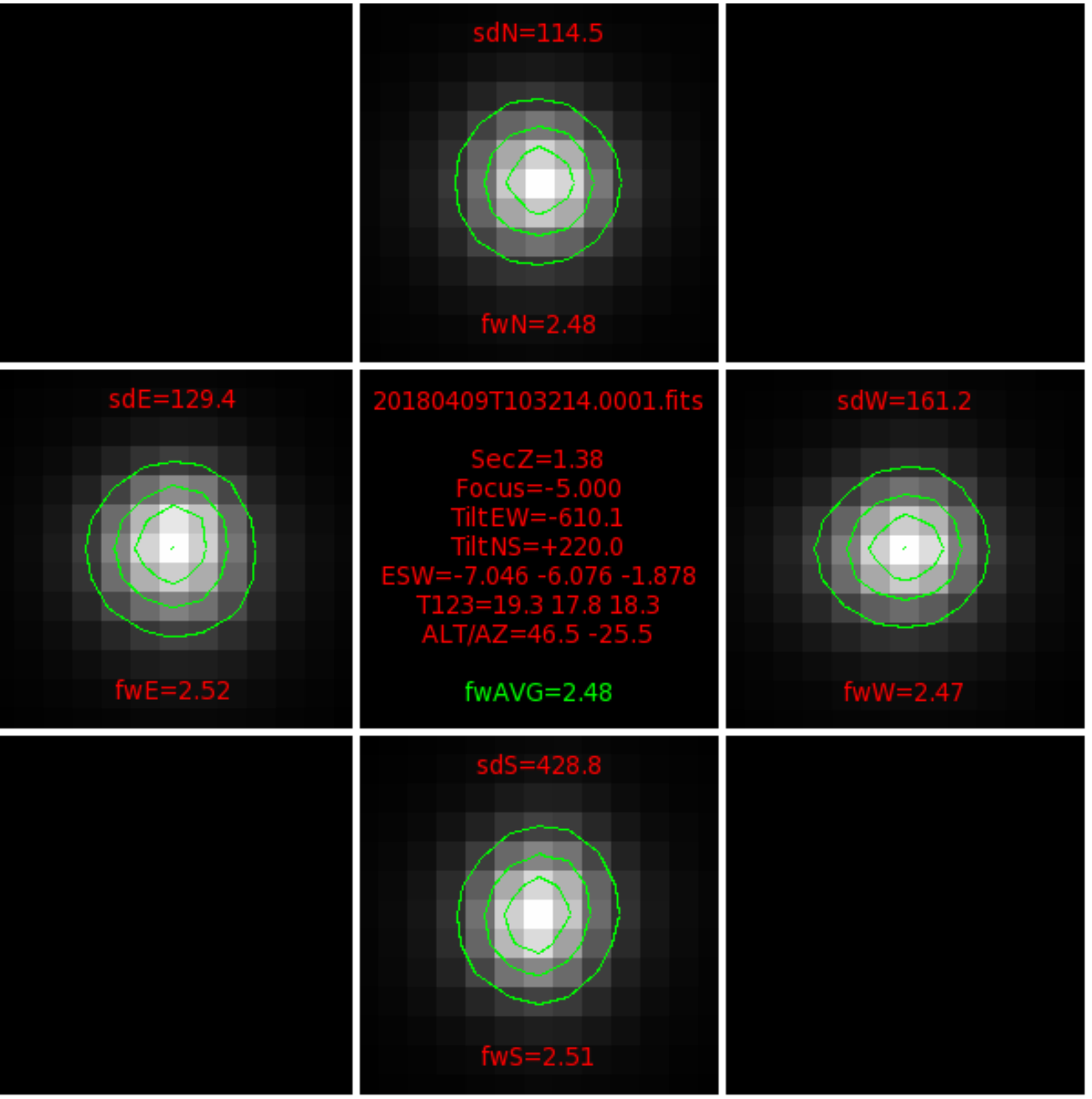
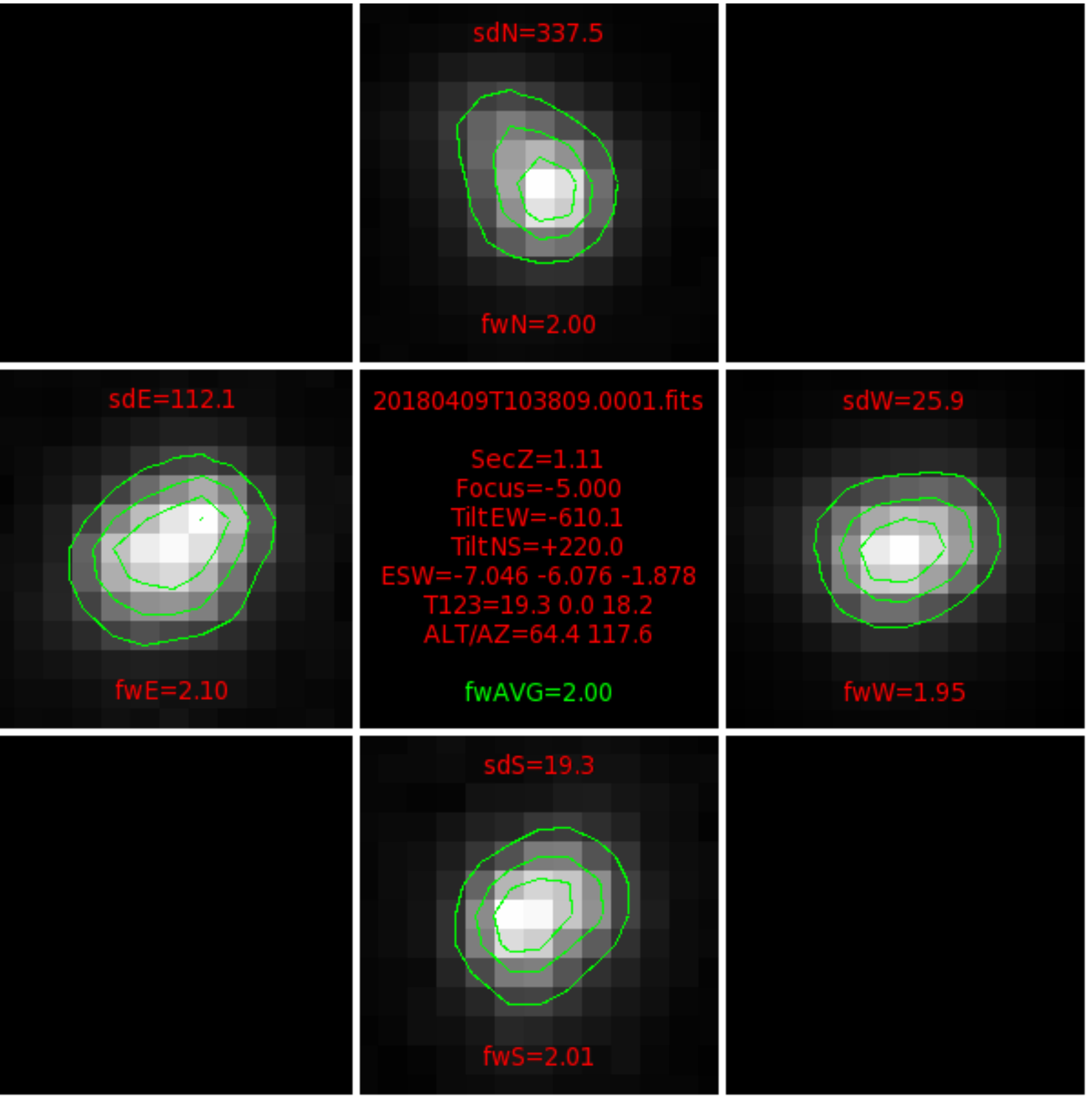
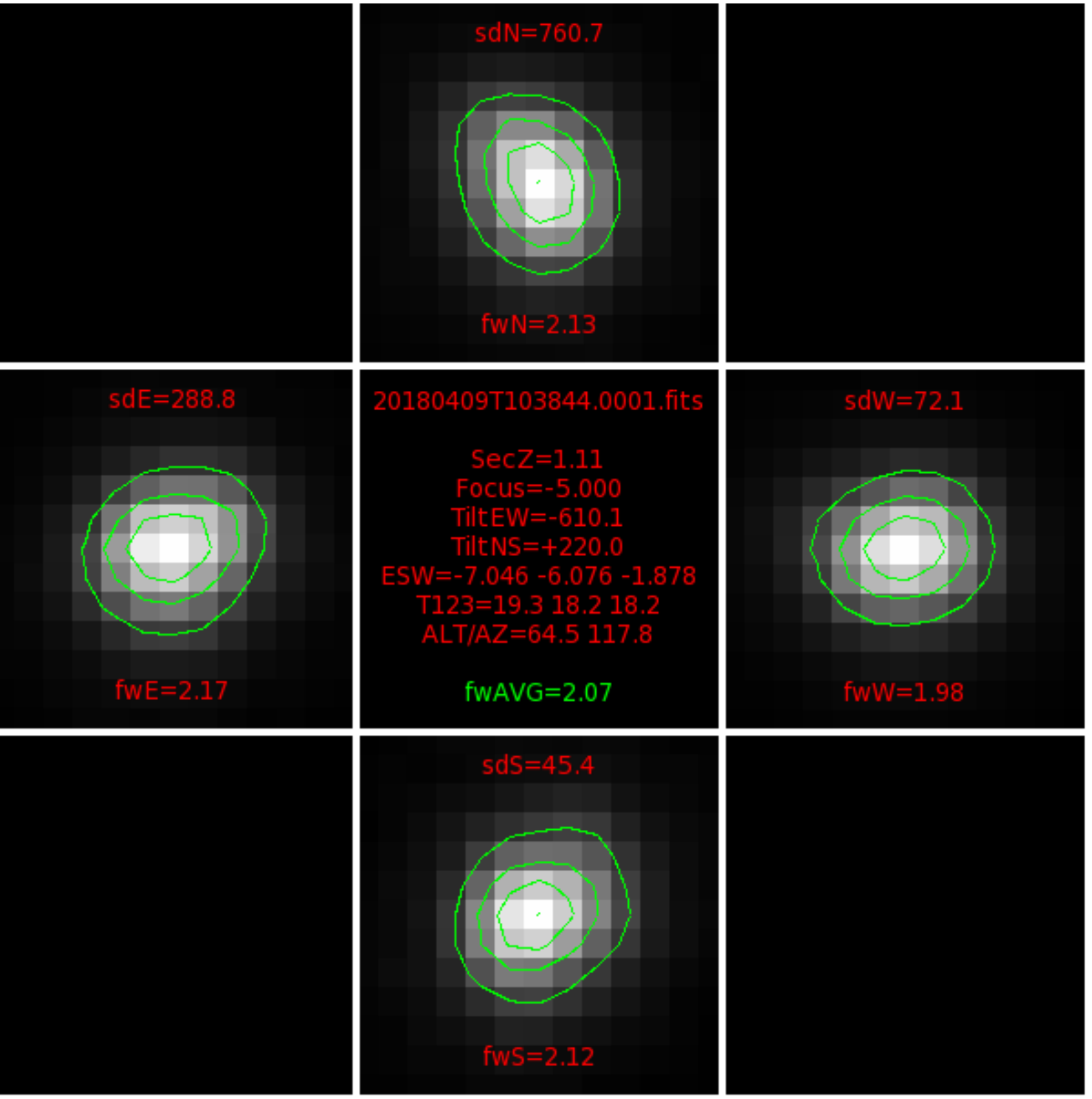
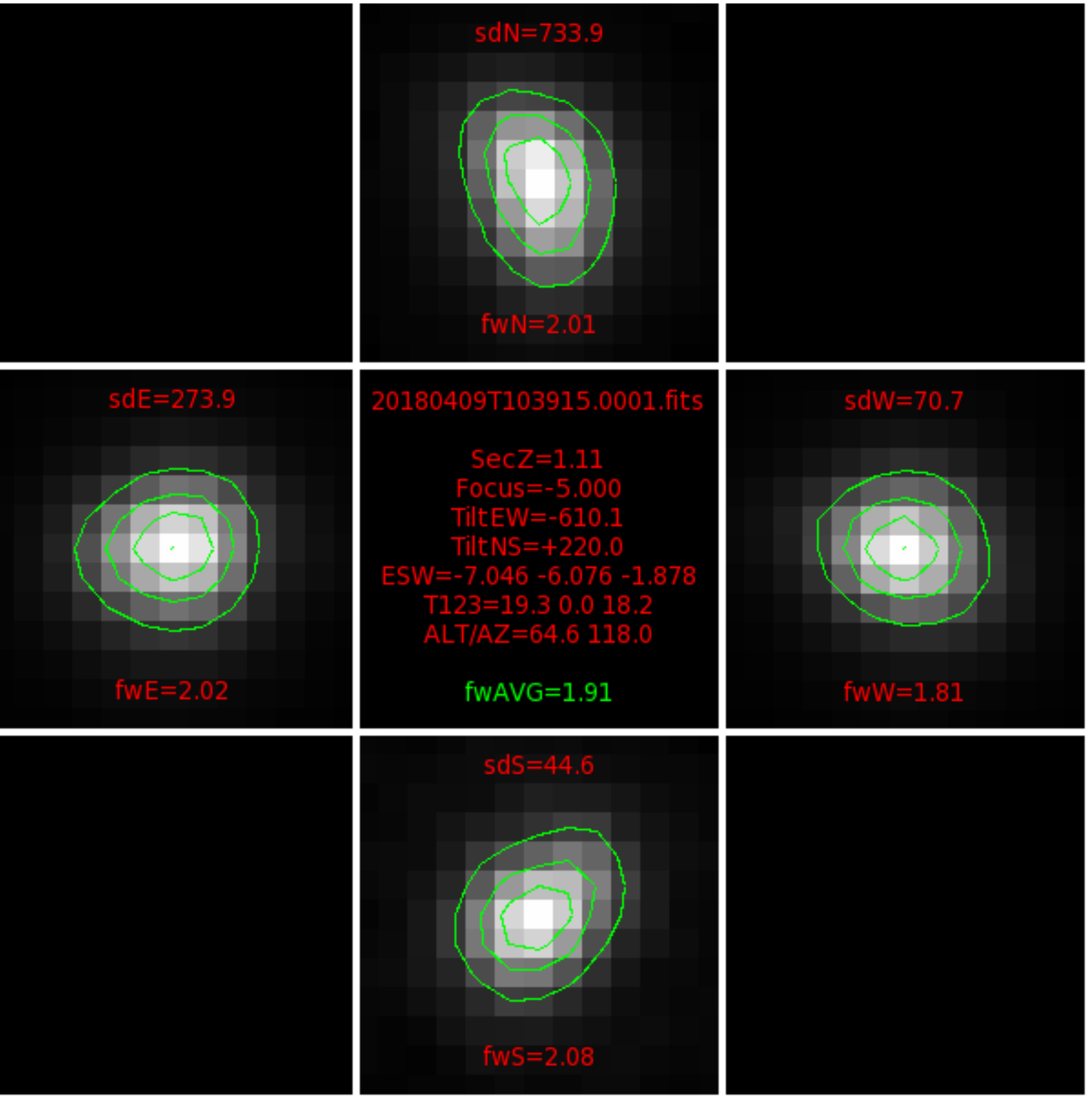
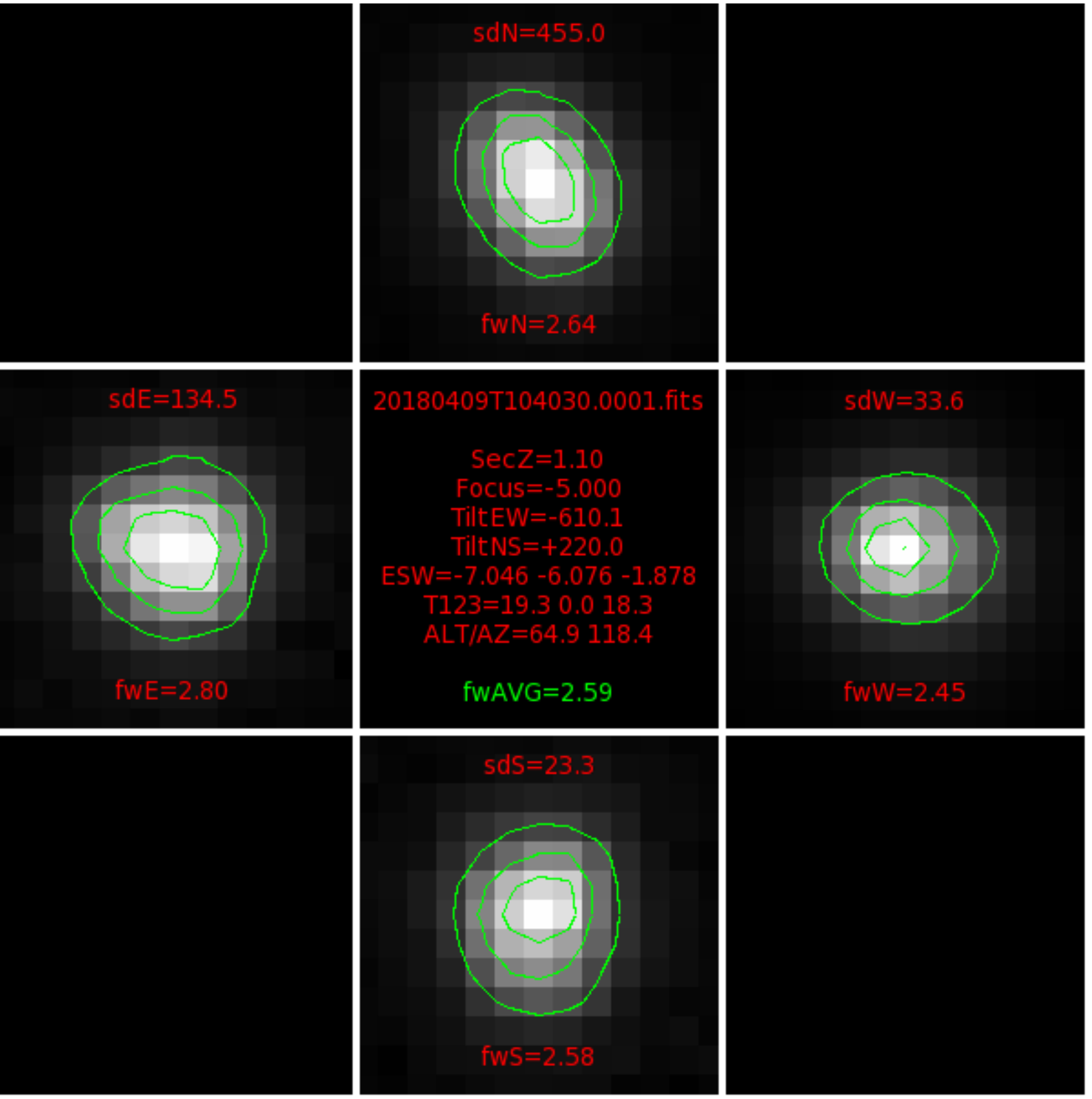

sdN=114.5
fwN=2.48
sdE=129.4
fwE=2.52
20180409T103214.0001.fits
SecZ=1.38
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.3 17.8 18.3
ALT/AZ=46.5 -25.5
fwAVG=2.48
sdW=161.2
fwW=2.47
sdS=428.8
fwS=2.51
0 0 0 0 0 0 0 0 0


sdN=337.5
fwN=2.00
sdE=112.1
fwE=2.10
20180409T103809.0001.fits
SecZ=1.11
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.3 0.0 18.2
ALT/AZ=64.4 117.6
fwAVG=2.00
sdW=25.9
fwW=1.95
sdS=19.3
fwS=2.01
0 0 0 0 0 0 0 0 0


sdN=760.7
fwN=2.13
sdE=288.8
fwE=2.17
20180409T103844.0001.fits
SecZ=1.11
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.3 18.2 18.2
ALT/AZ=64.5 117.8
fwAVG=2.07
sdW=72.1
fwW=1.98
sdS=45.4
fwS=2.12
0 0 0 0 0 0 0 0 0


sdN=733.9
fwN=2.01
sdE=273.9
fwE=2.02
20180409T103915.0001.fits
SecZ=1.11
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.3 0.0 18.2
ALT/AZ=64.6 118.0
fwAVG=1.91
sdW=70.7
fwW=1.81
sdS=44.6
fwS=2.08
0 0 0 0 0 0 0 0 0


sdN=455.0
fwN=2.64
sdE=134.5
fwE=2.80
20180409T104030.0001.fits
SecZ=1.10
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.3 0.0 18.3
ALT/AZ=64.9 118.4
fwAVG=2.59
sdW=33.6
fwW=2.45
sdS=23.3
fwS=2.58
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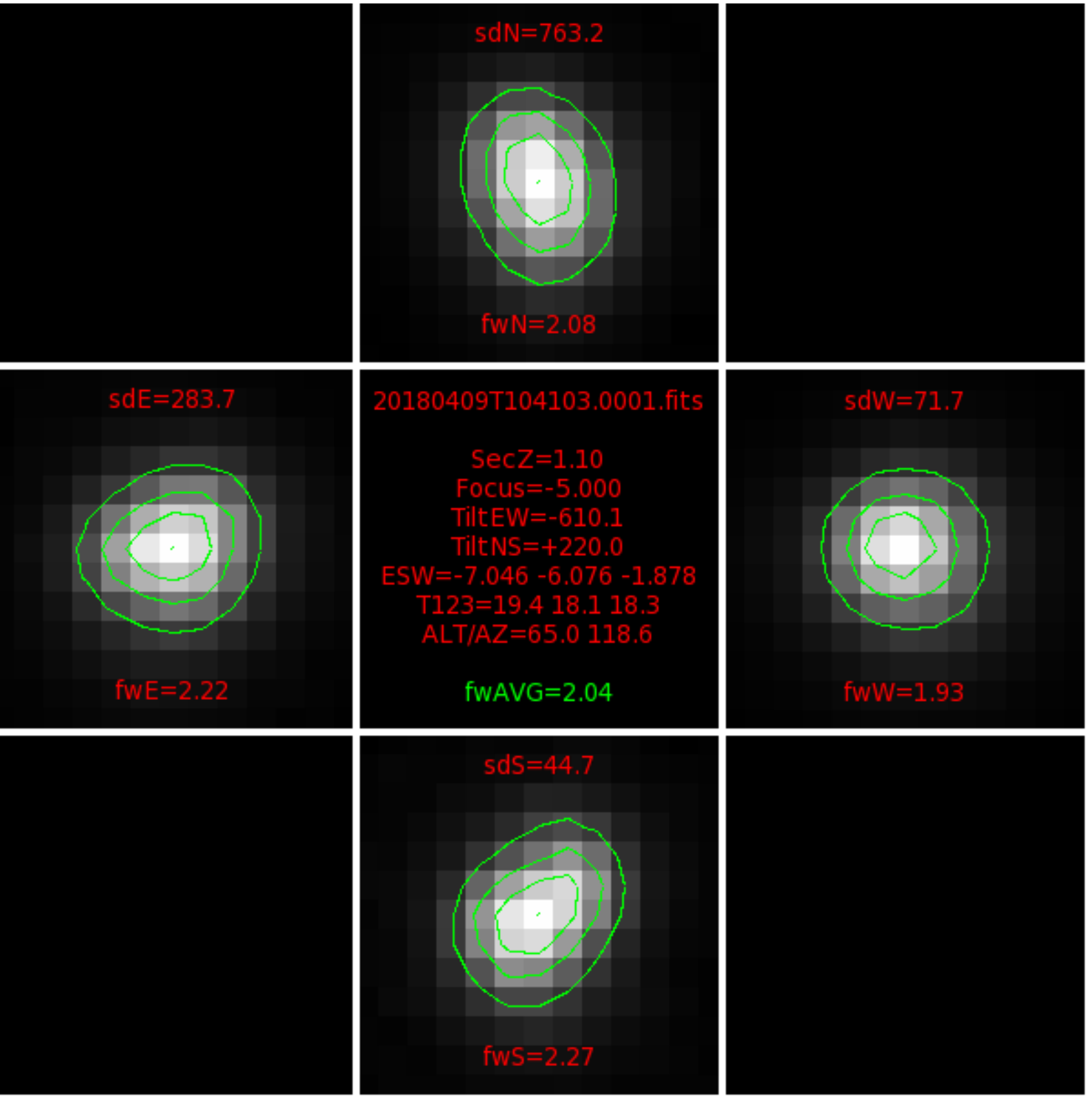
sdN=763.2
fwN=2.08
sdE=283.7
fwE=2.22
20180409T104103.0001.fits
SecZ=1.10
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.4 18.1 18.3
ALT/AZ=65.0 118.6
fwAVG=2.04
sdW=71.7
fwW=1.93
sdS=44.7
fwS=2.27
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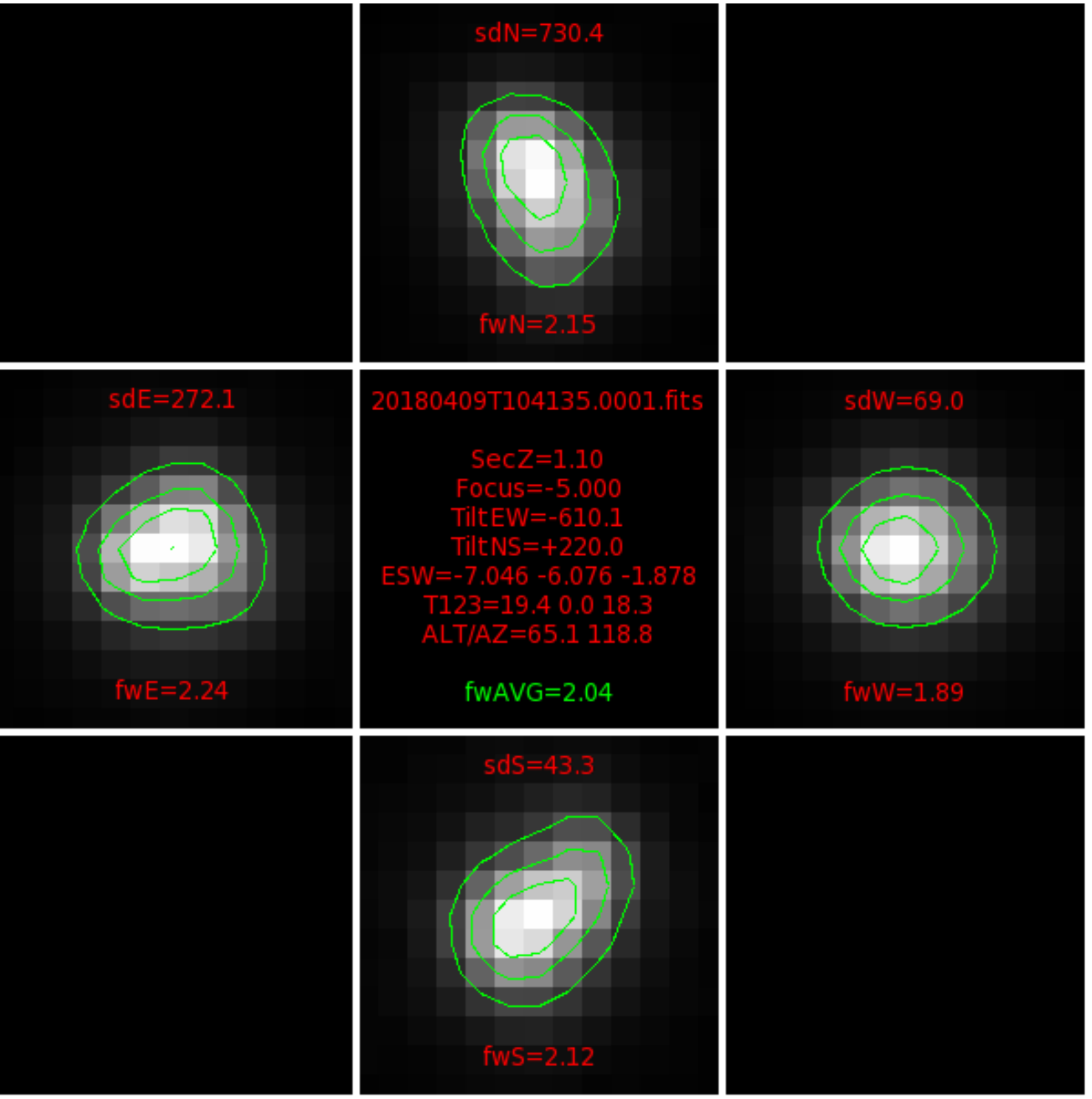
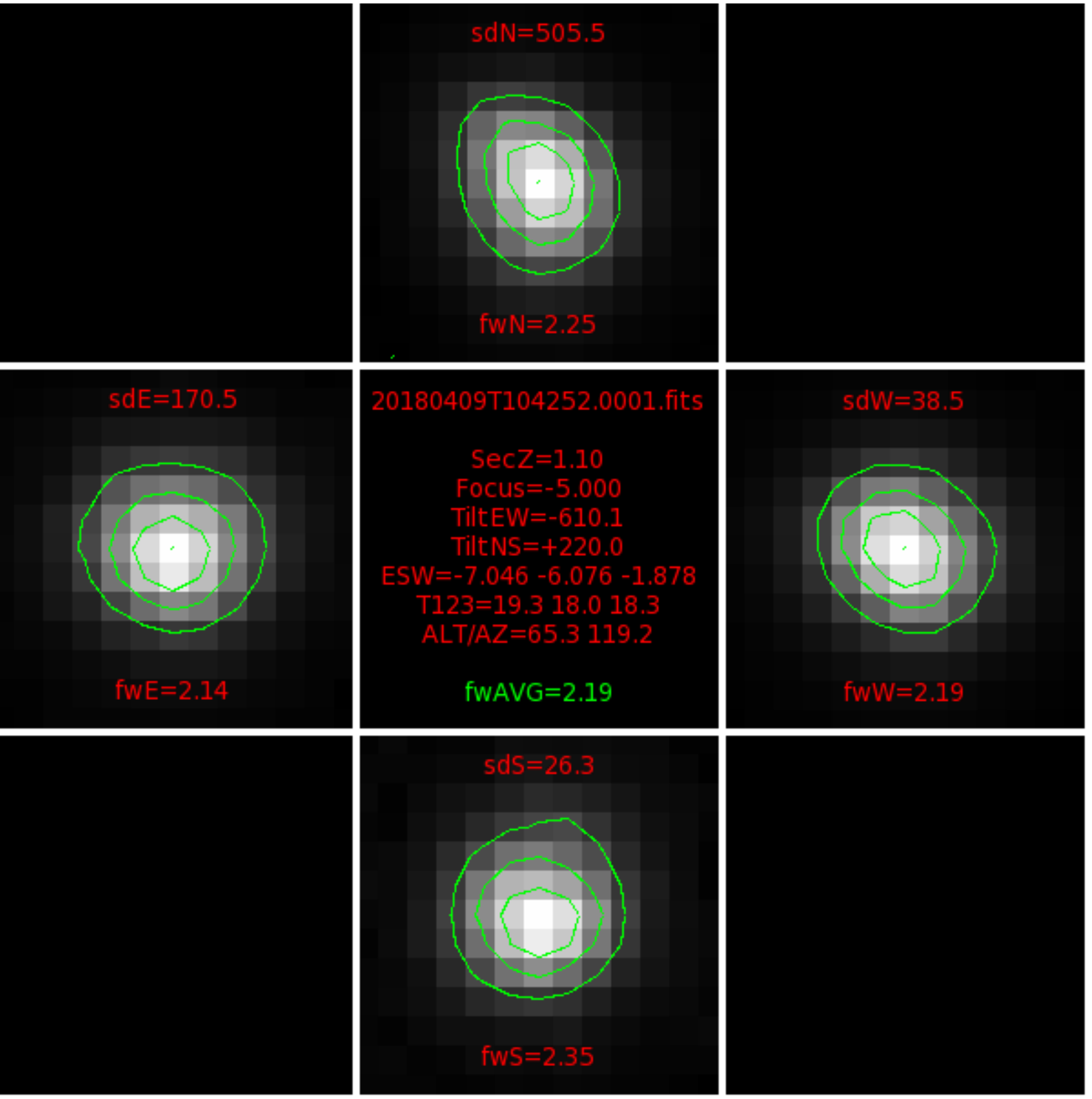
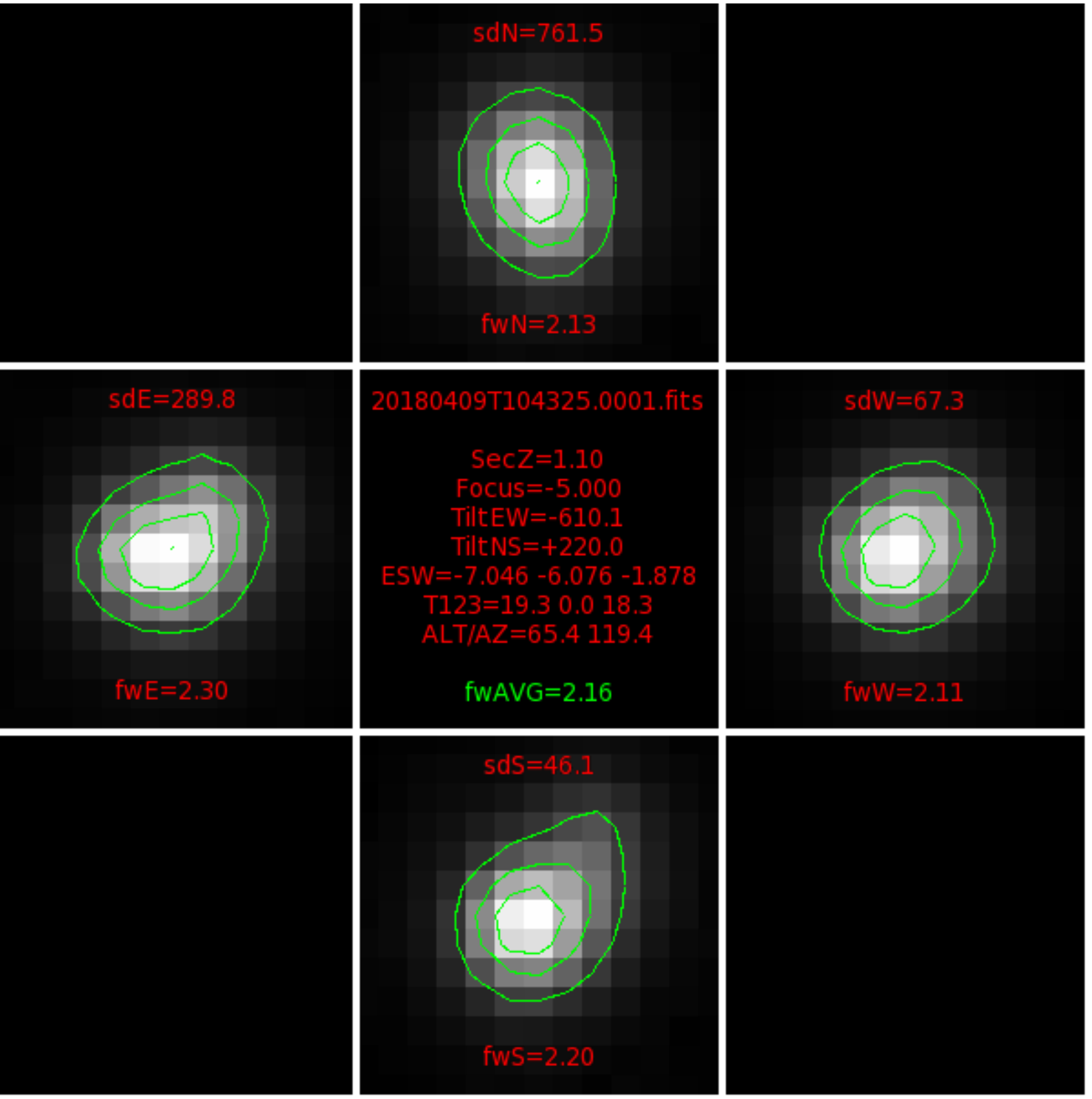
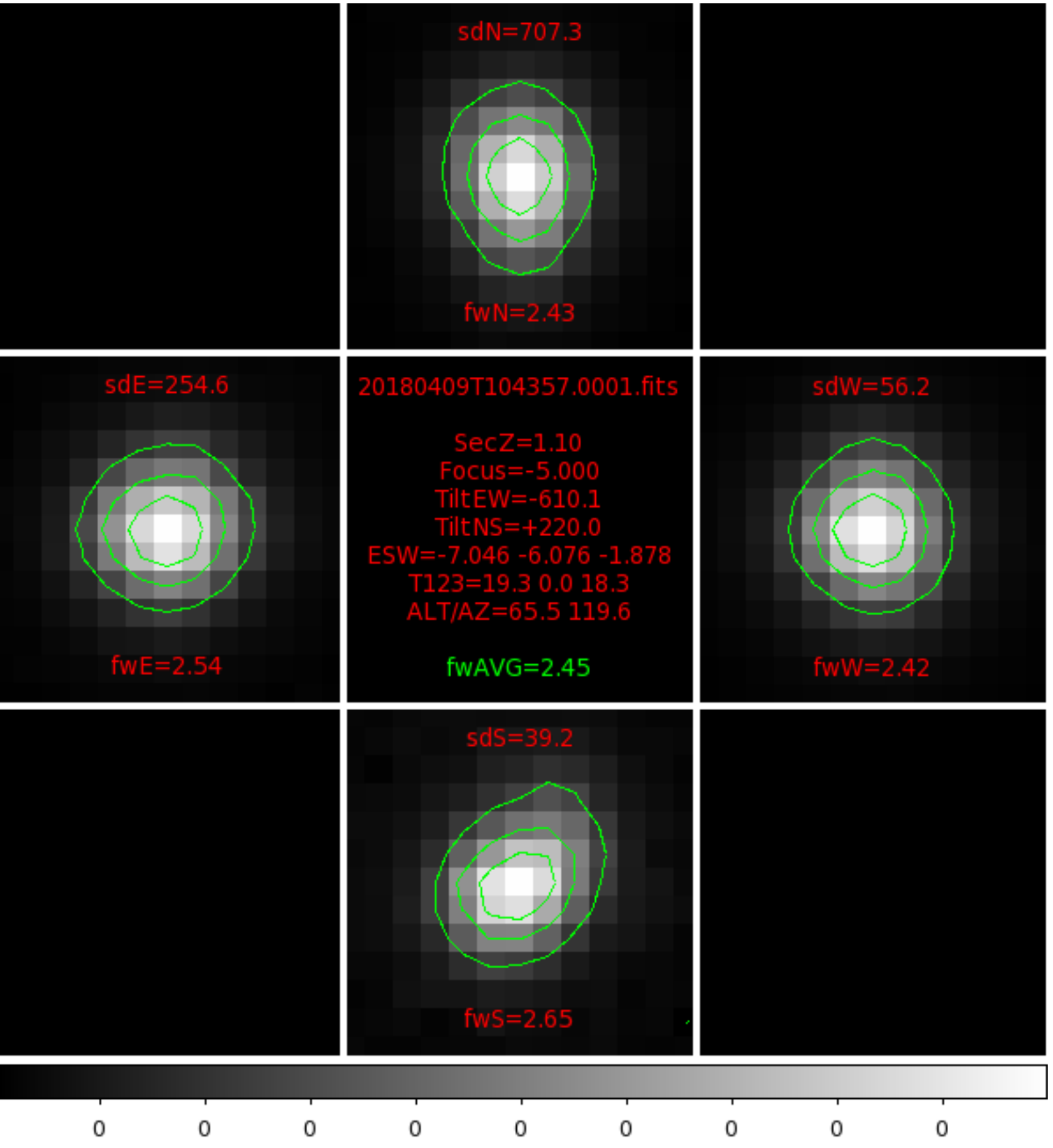
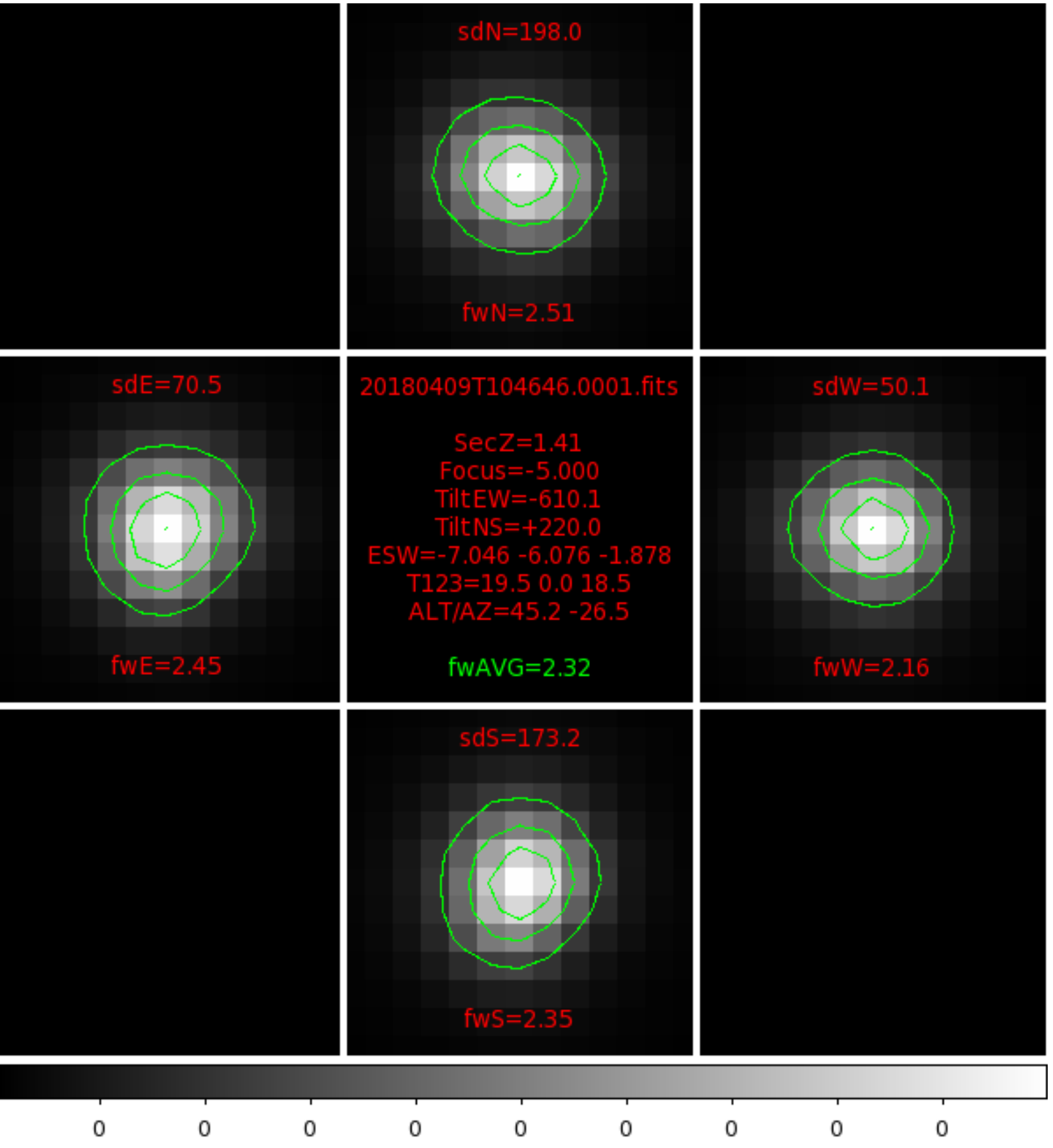
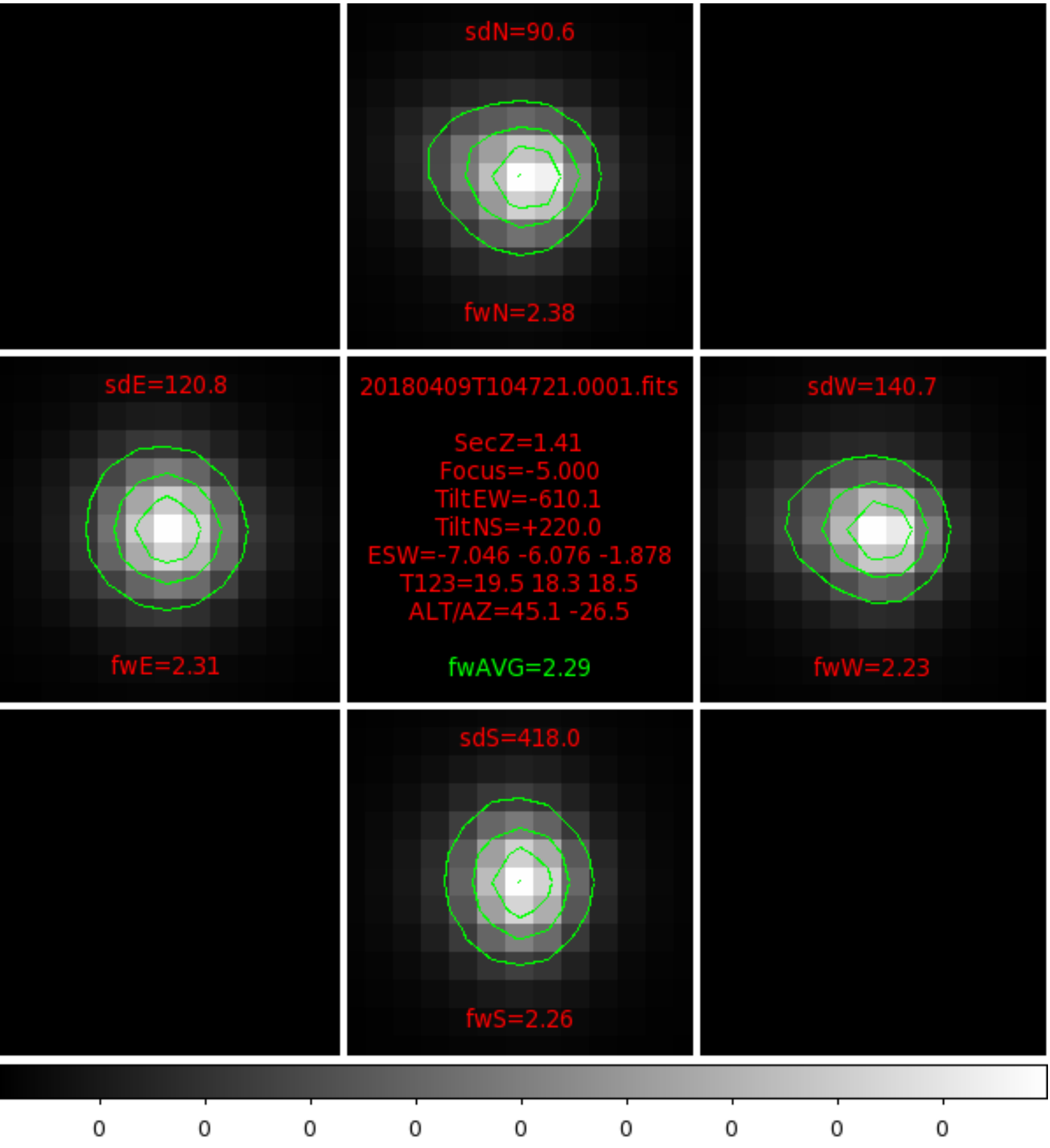

sdN=730.4
fwN=2.15
sdE=272.1
fwE=2.24
20180409T104135.0001.fits
SecZ=1.10
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.4 0.0 18.3
ALT/AZ=65.1 118.8
fwAVG=2.04
sdW=69.0
fwW=1.89
sdS=43.3
fwS=2.12
0 0 0 0 0 0 0 0 0


sdN=505.5
fwN=2.25
sdE=170.5
fwE=2.14
20180409T104252.0001.fits
SecZ=1.10
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.3 18.0 18.3
ALT/AZ=65.3 119.2
fwAVG=2.19
sdW=38.5
fwW=2.19
sdS=26.3
fwS=2.35
0 0 0 0 0 0 0 0 0


sdN=761.5
fwN=2.13
sdE=289.8
fwE=2.30
20180409T104325.0001.fits
SecZ=1.10
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.3 0.0 18.3
ALT/AZ=65.4 119.4
fwAVG=2.16
sdW=67.3
fwW=2.11
sdS=46.1
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=707.3
fwN=2.43
sdE=254.6
fwE=2.54
20180409T104357.0001.fits
SecZ=1.10
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.3 0.0 18.3
ALT/AZ=65.5 119.6
fwAVG=2.45
sdW=56.2
fwW=2.42
sdS=39.2
fwS=2.65
0 0 0 0 0 0 0 0 0


sdN=198.0
fwN=2.51
sdE=70.5
fwE=2.45
20180409T104646.0001.fits
SecZ=1.41
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.5 0.0 18.5
ALT/AZ=45.2 -26.5
fwAVG=2.32
sdW=50.1
fwW=2.16
sdS=173.2
fwS=2.35
0 0 0 0 0 0 0 0 0


sdN=90.6
fwN=2.38
sdE=120.8
fwE=2.31
20180409T104721.0001.fits
SecZ=1.41
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.5 18.3 18.5
ALT/AZ=45.1 -26.5
fwAVG=2.29
sdW=140.7
fwW=2.23
sdS=418.0
fwS=2.26
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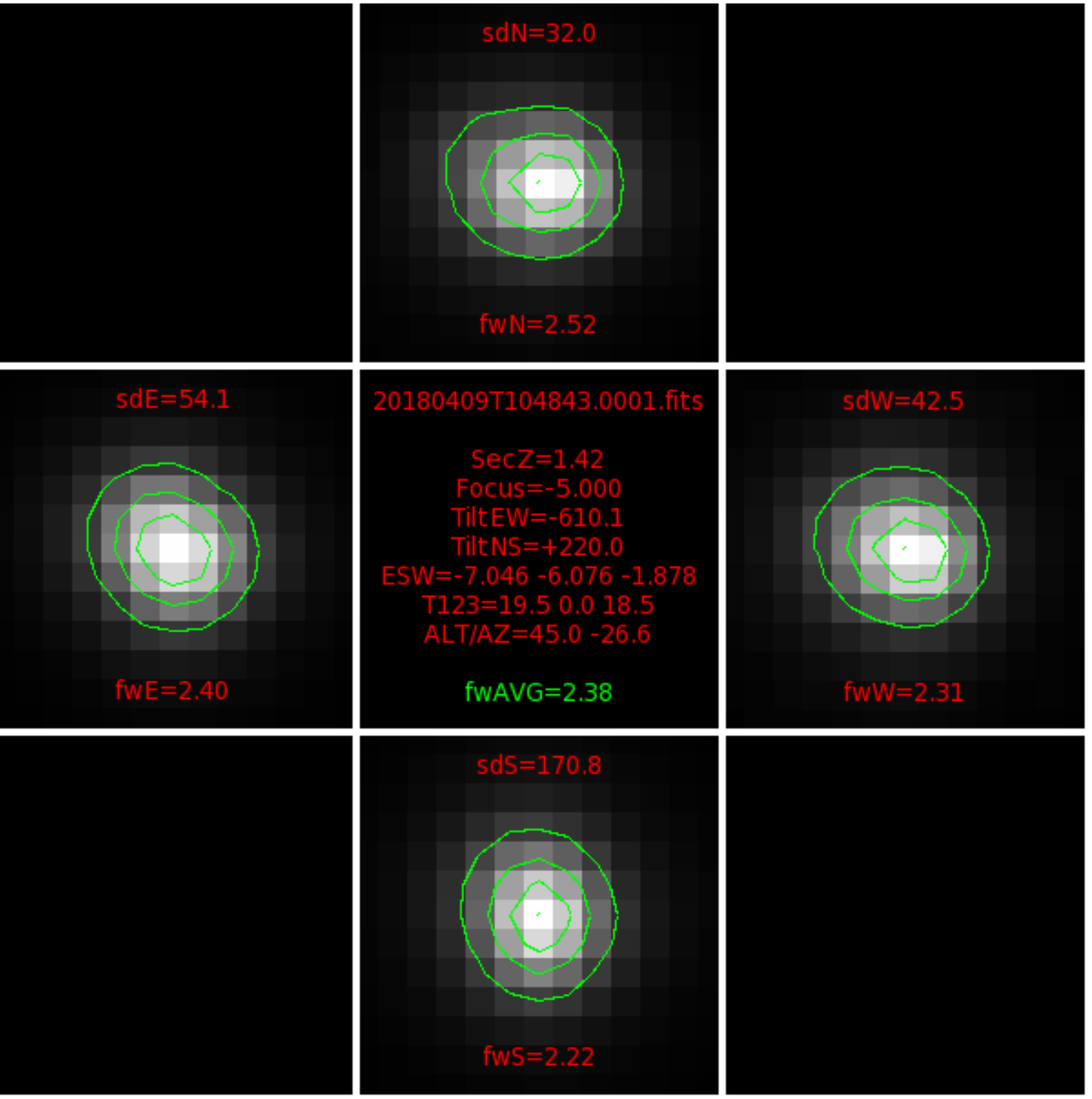
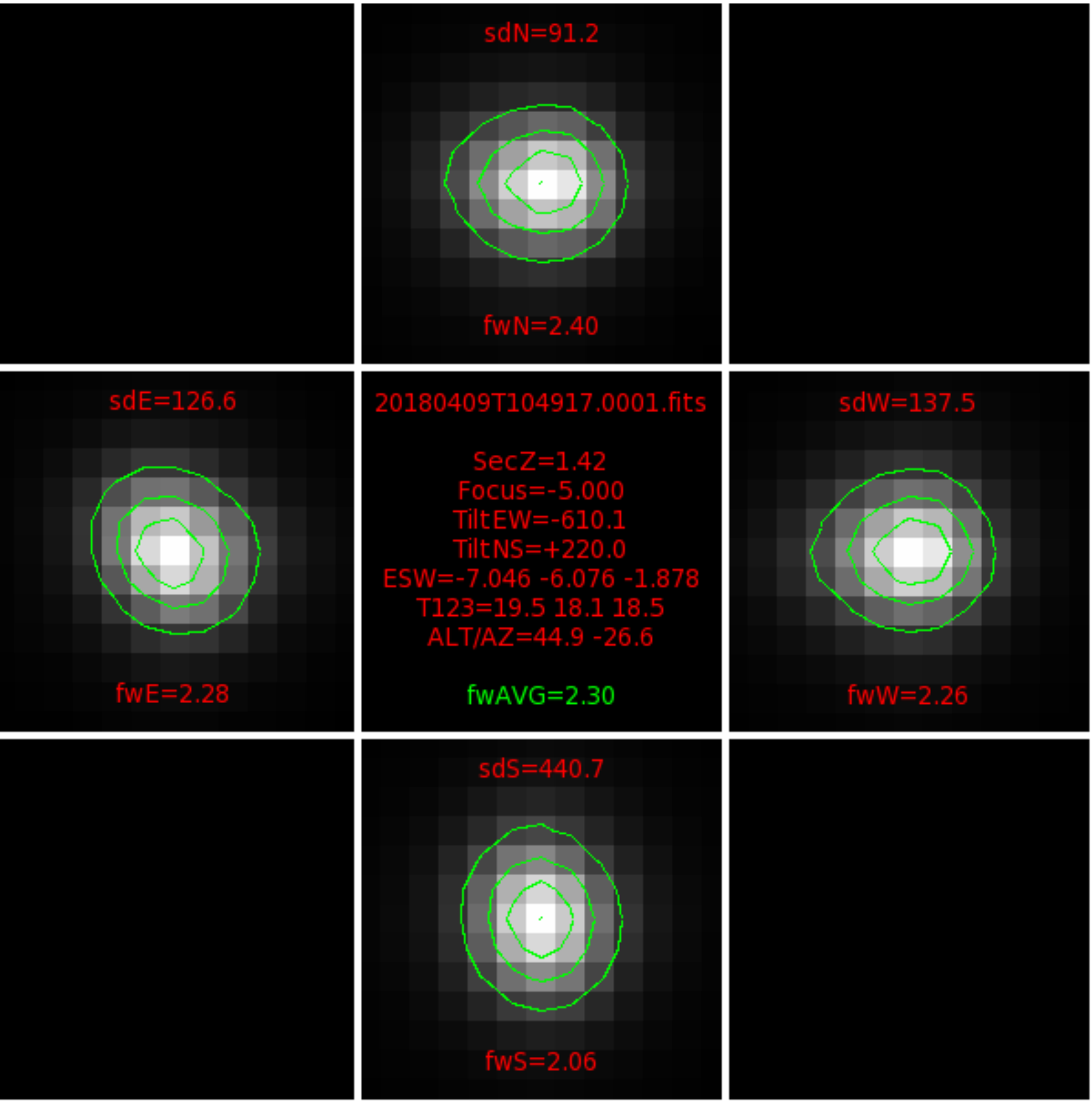
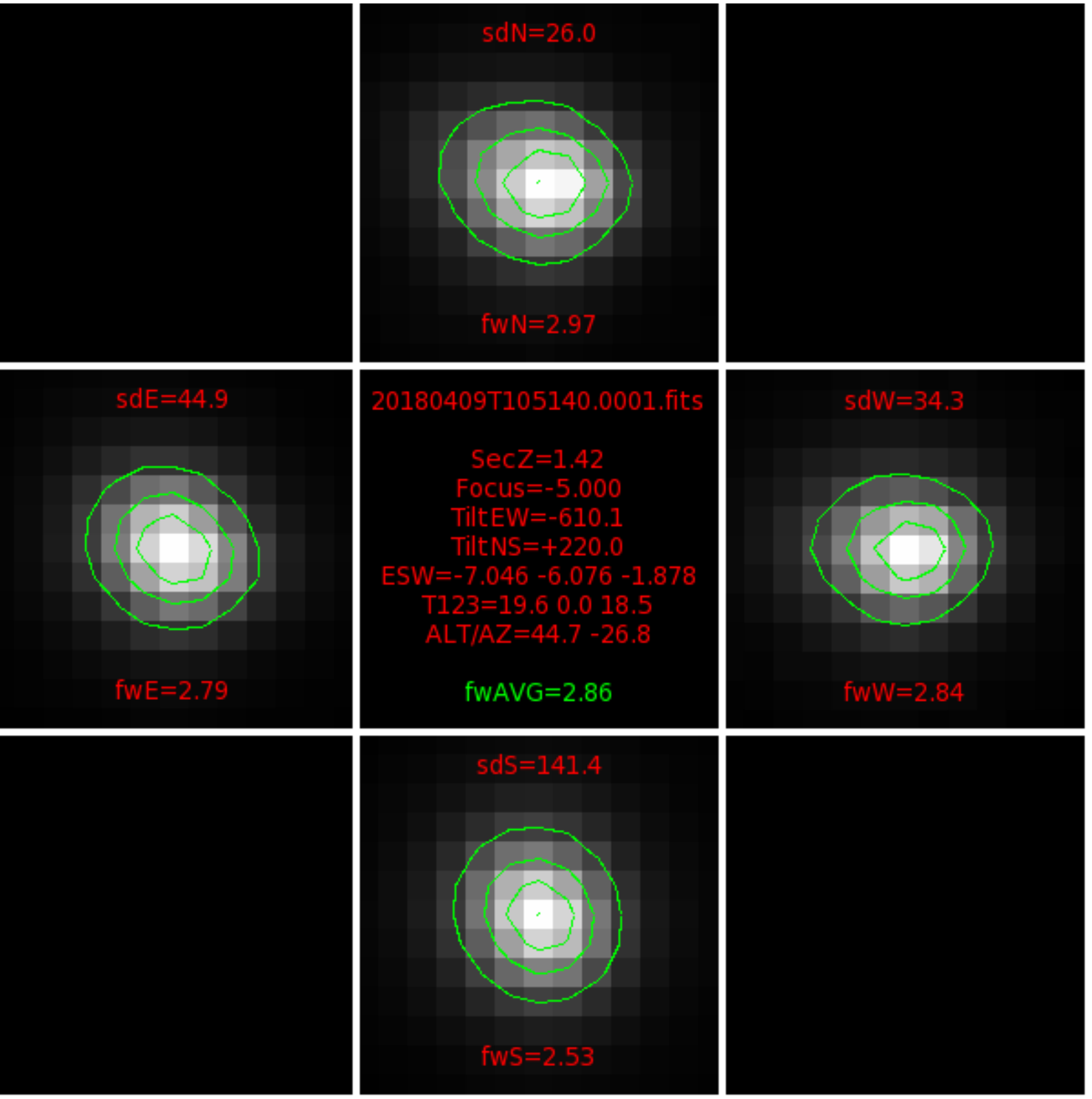
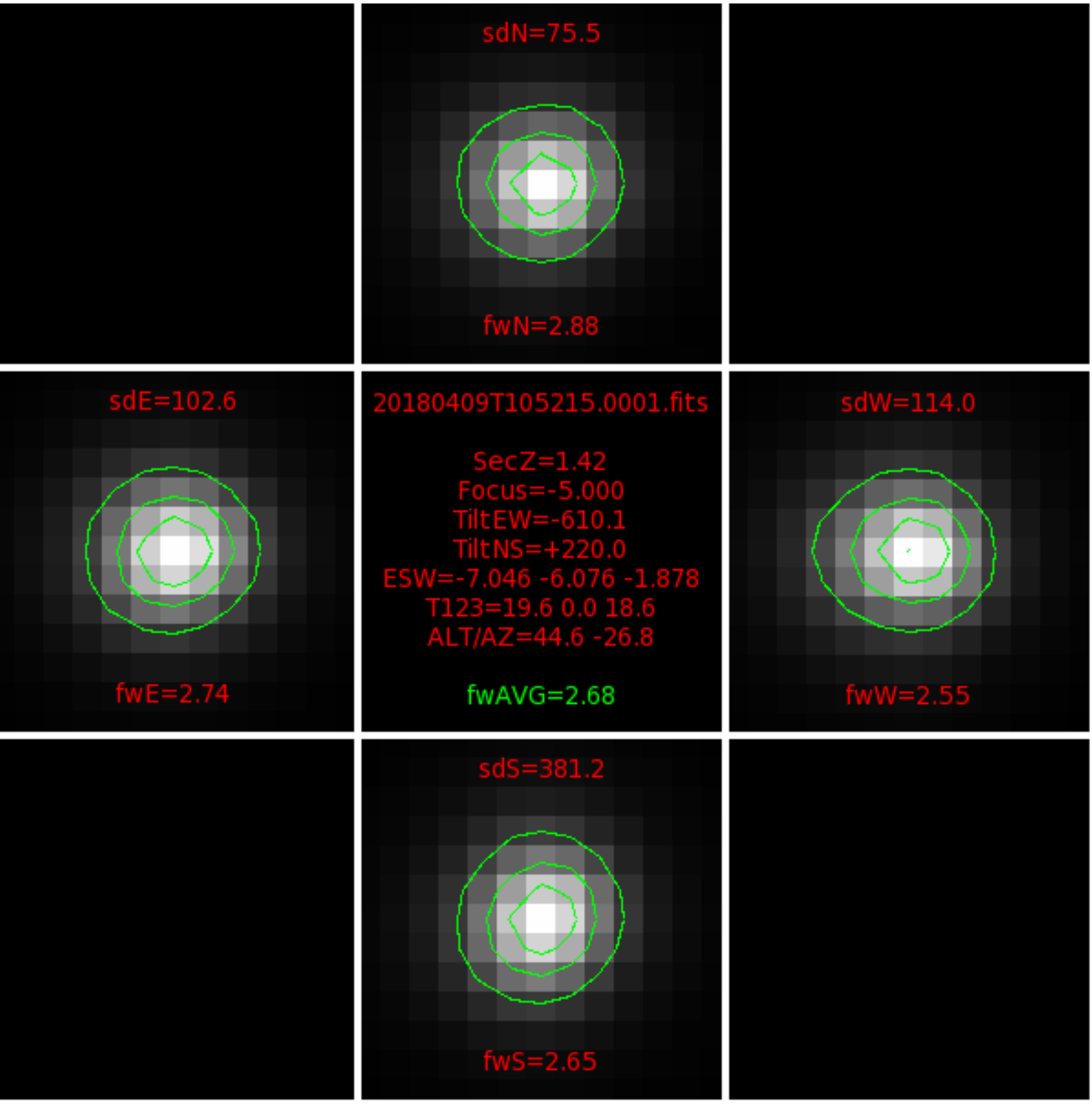
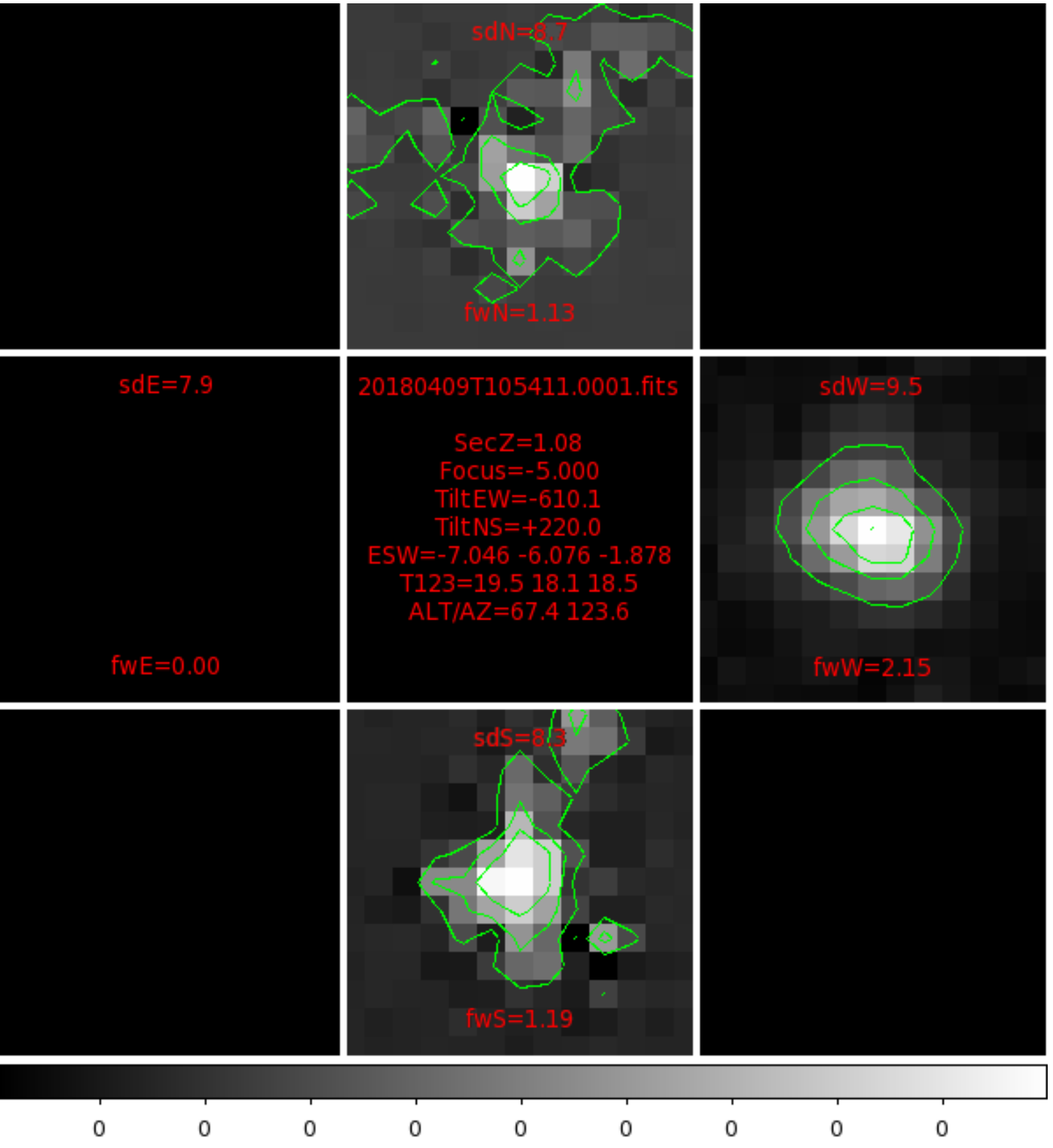
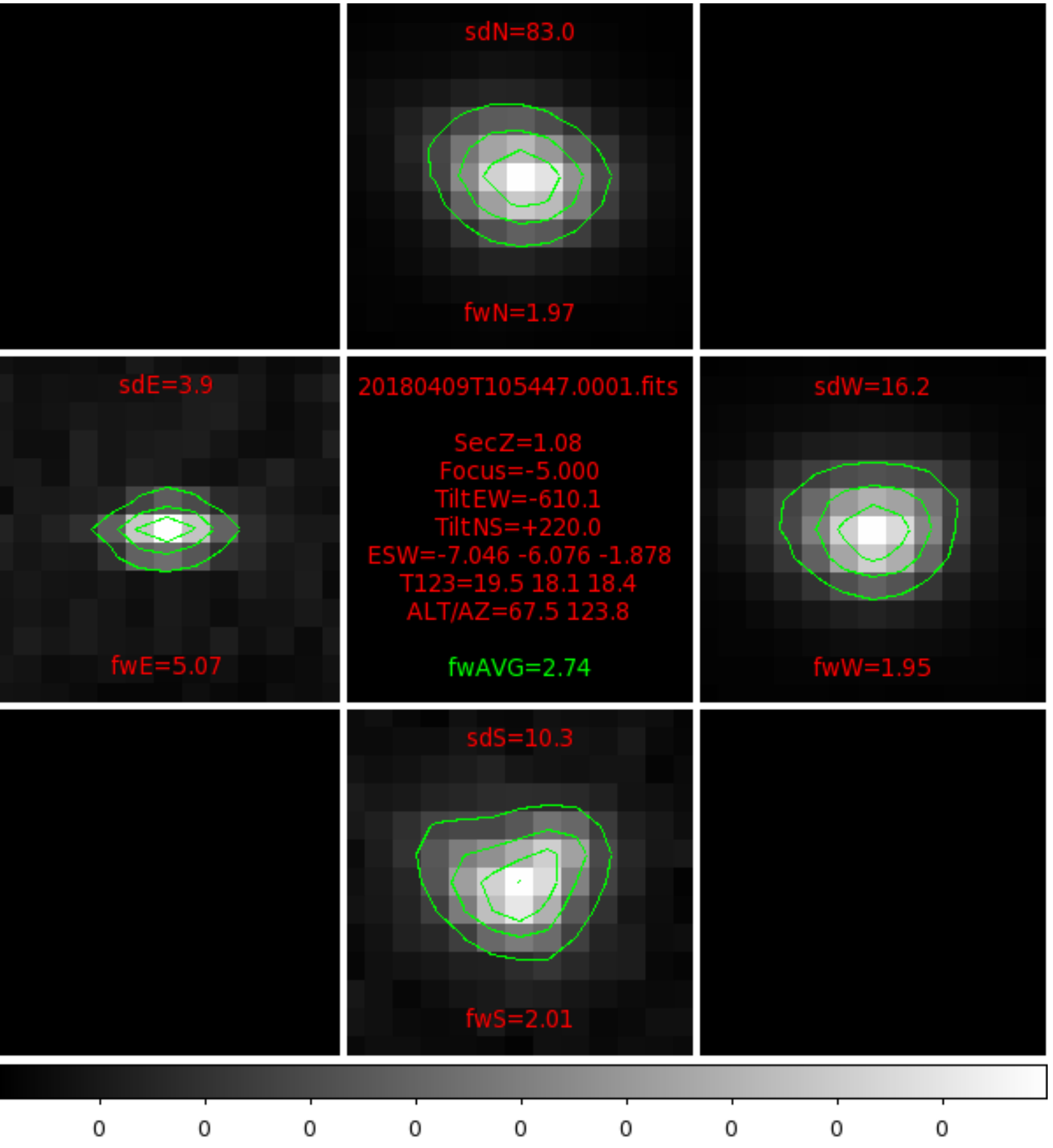

sdN=32.0
fwN=2.52
sdE=54.1
fwE=2.40
20180409T104843.0001.fits
SecZ=1.42
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.5 0.0 18.5
ALT/AZ=45.0 -26.6
fwAVG=2.38
sdW=42.5
fwW=2.31
sdS=170.8
fwS=2.22
0 0 0 0 0 0 0 0 0

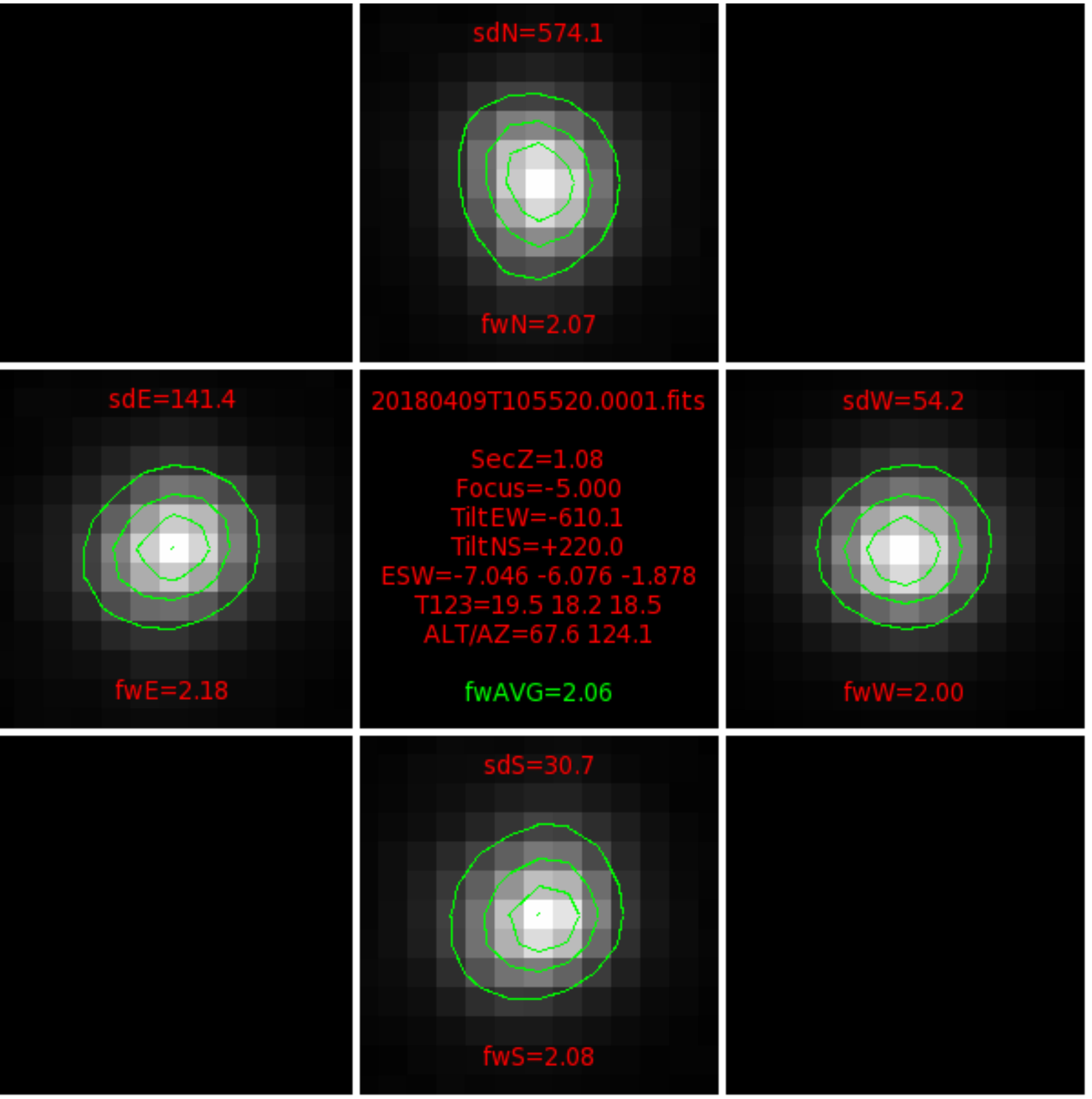

sdN=91.2
fwN=2.40
sdE=126.6
fwE=2.28
20180409T104917.0001.fits
SecZ=1.42
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.5 18.1 18.5
ALT/AZ=44.9 -26.6
fwAVG=2.30
sdW=137.5
fwW=2.26
sdS=440.7
fwS=2.06
0 0 0 0 0 0 0 0 0

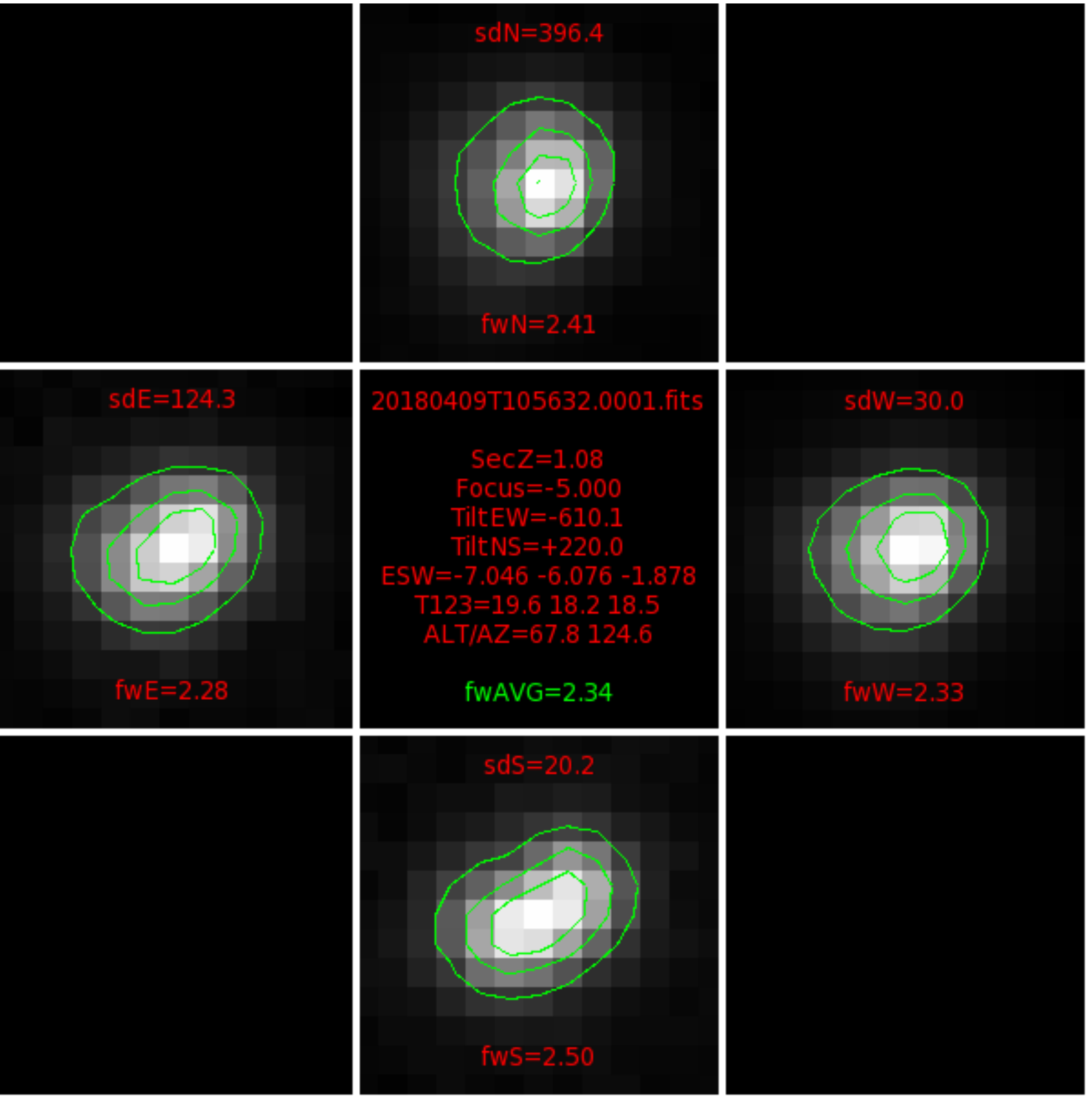

sdN=26.0
fwN=2.97
sdE=44.9
fwE=2.79
20180409T105140.0001.fits
SecZ=1.42
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.6 0.0 18.5
ALT/AZ=44.7 -26.8
fwAVG=2.86
sdW=34.3
fwW=2.84
sdS=141.4
fwS=2.53
0 0 0 0 0 0 0 0 0

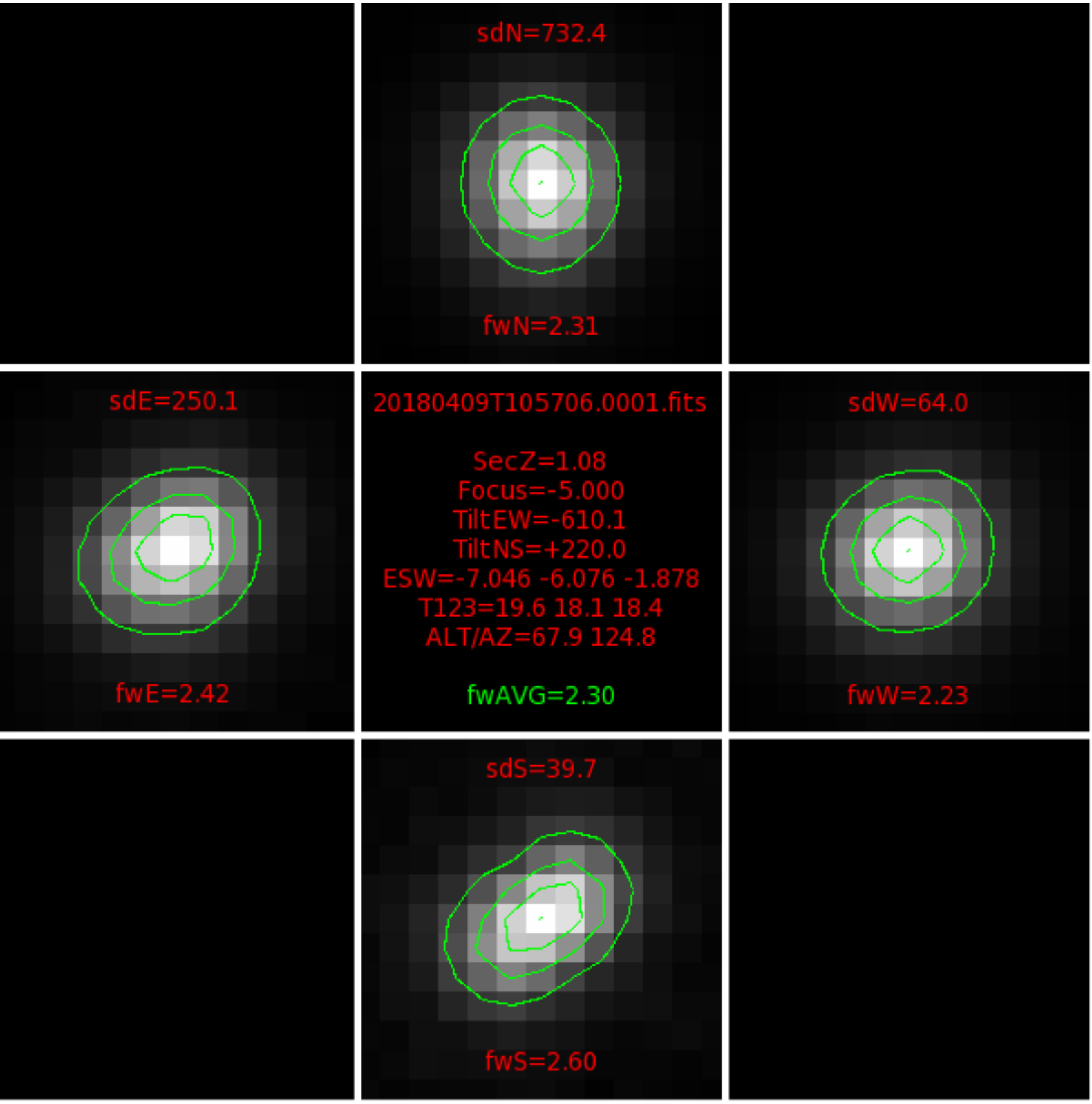

sdN=75.5
fwN=2.88
sdE=102.6
fwE=2.74
20180409T105215.0001.fits
SecZ=1.42
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.6 0.0 18.6
ALT/AZ=44.6 -26.8
fwAVG=2.68
sdW=114.0
fwW=2.55
sdS=381.2
fwS=2.65
0 0 0 0 0 0 0 0 0

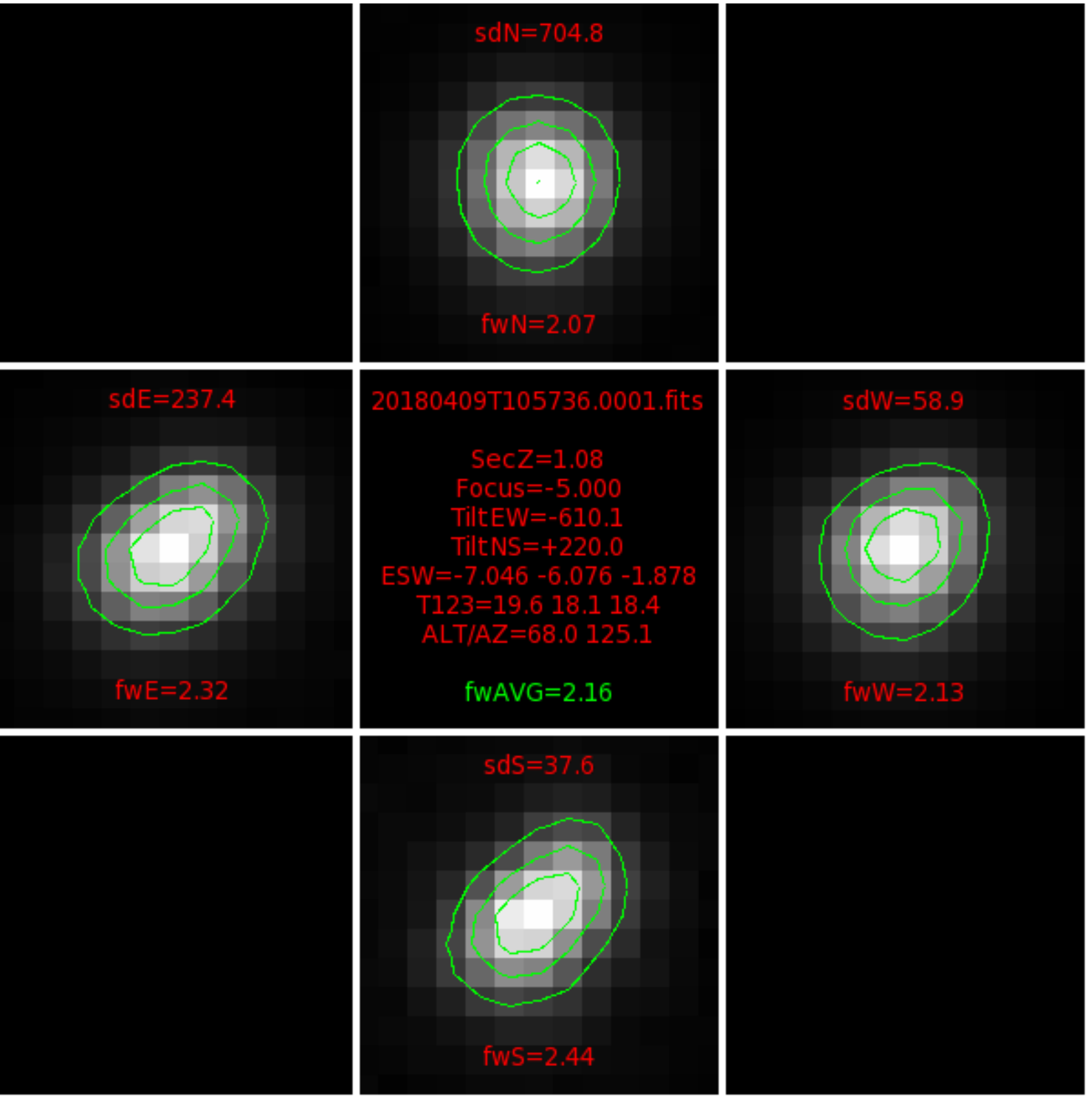

sdN=8.7
fwN=1.13
sdE=7.9
fwE=0.00
20180409T105411.0001.fits
SecZ=1.08
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.5 18.1 18.5
ALT/AZ=67.4 123.6
sdW=9.5
fwW=2.15
sdS=8.3
fwS=1.19
0 0 0 0 0 0 0 0 0


sdN=83.0
fwN=1.97
sdE=3.9
fwE=5.07
20180409T105447.0001.fits
SecZ=1.08
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.5 18.1 18.4
ALT/AZ=67.5 123.8
fwAVG=2.74
sdW=16.2
fwW=1.95
sdS=10.3
fwS=2.01
0 0 0 0 0 0 0 0 0


sdN=574.1
fwN=2.07
sdE=141.4
fwE=2.18
20180409T105520.0001.fits
SecZ=1.08
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.5 18.2 18.5
ALT/AZ=67.6 124.1
fwAVG=2.06
sdW=54.2
fwW=2.00
sdS=30.7
fwS=2.08
0 0 0 0 0 0 0 0 0


sdN=396.4
fwN=2.41
sdE=124.3
fwE=2.28
20180409T105632.0001.fits
SecZ=1.08
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.6 18.2 18.5
ALT/AZ=67.8 124.6
fwAVG=2.34
sdW=30.0
fwW=2.33
sdS=20.2
fwS=2.50
0 0 0 0 0 0 0 0 0


sdN=732.4
fwN=2.31
sdE=250.1
fwE=2.42
20180409T105706.0001.fits
SecZ=1.08
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.6 18.1 18.4
ALT/AZ=67.9 124.8
fwAVG=2.30
sdW=64.0
fwW=2.23
sdS=39.7
fwS=2.60
0 0 0 0 0 0 0 0 0


sdN=704.8
fwN=2.07
sdE=237.4
fwE=2.32
20180409T105736.0001.fits
SecZ=1.08
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.6 18.1 18.4
ALT/AZ=68.0 125.1
fwAVG=2.16
sdW=58.9
fwW=2.13
sdS=37.6
fwS=2.44
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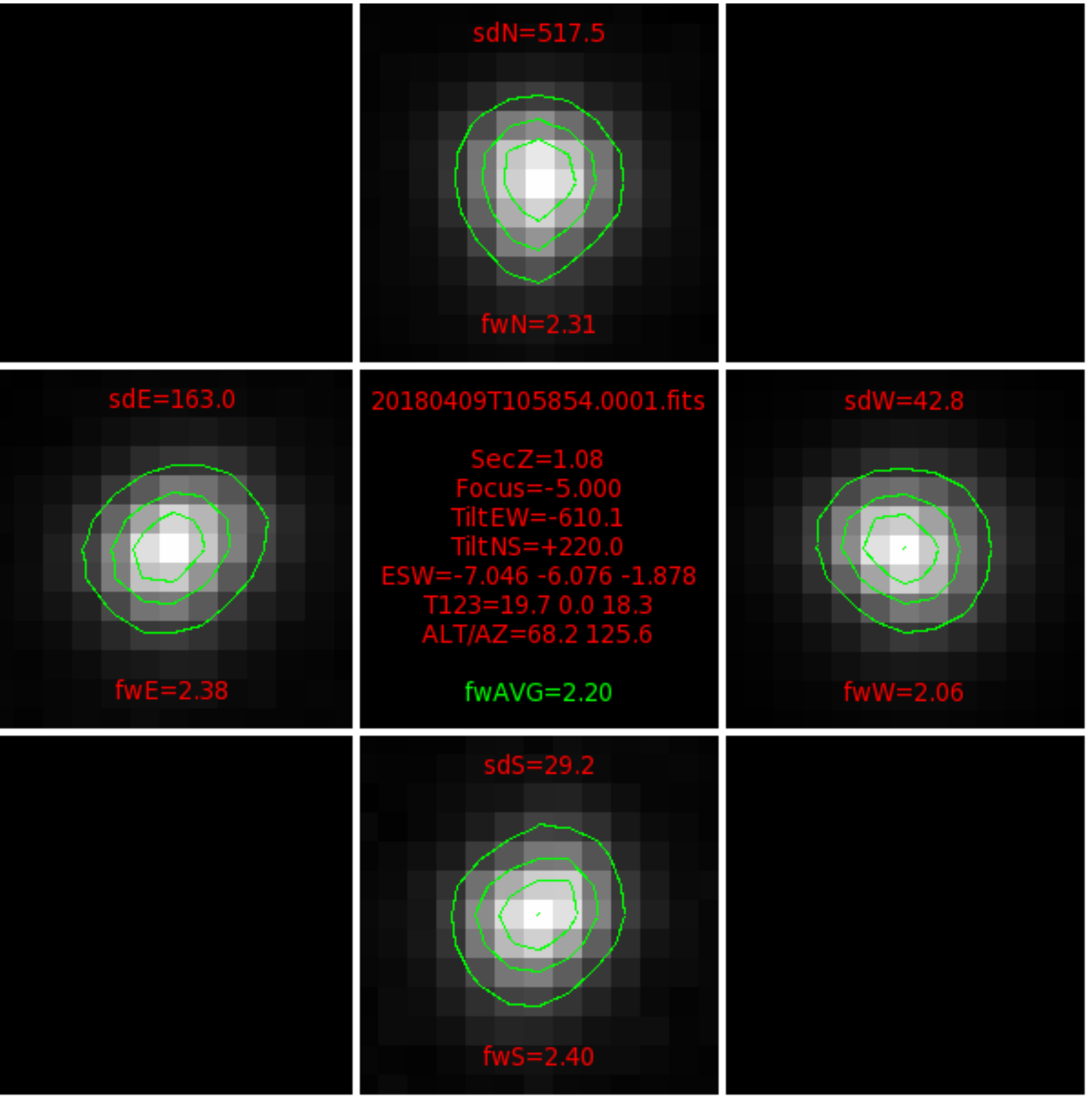
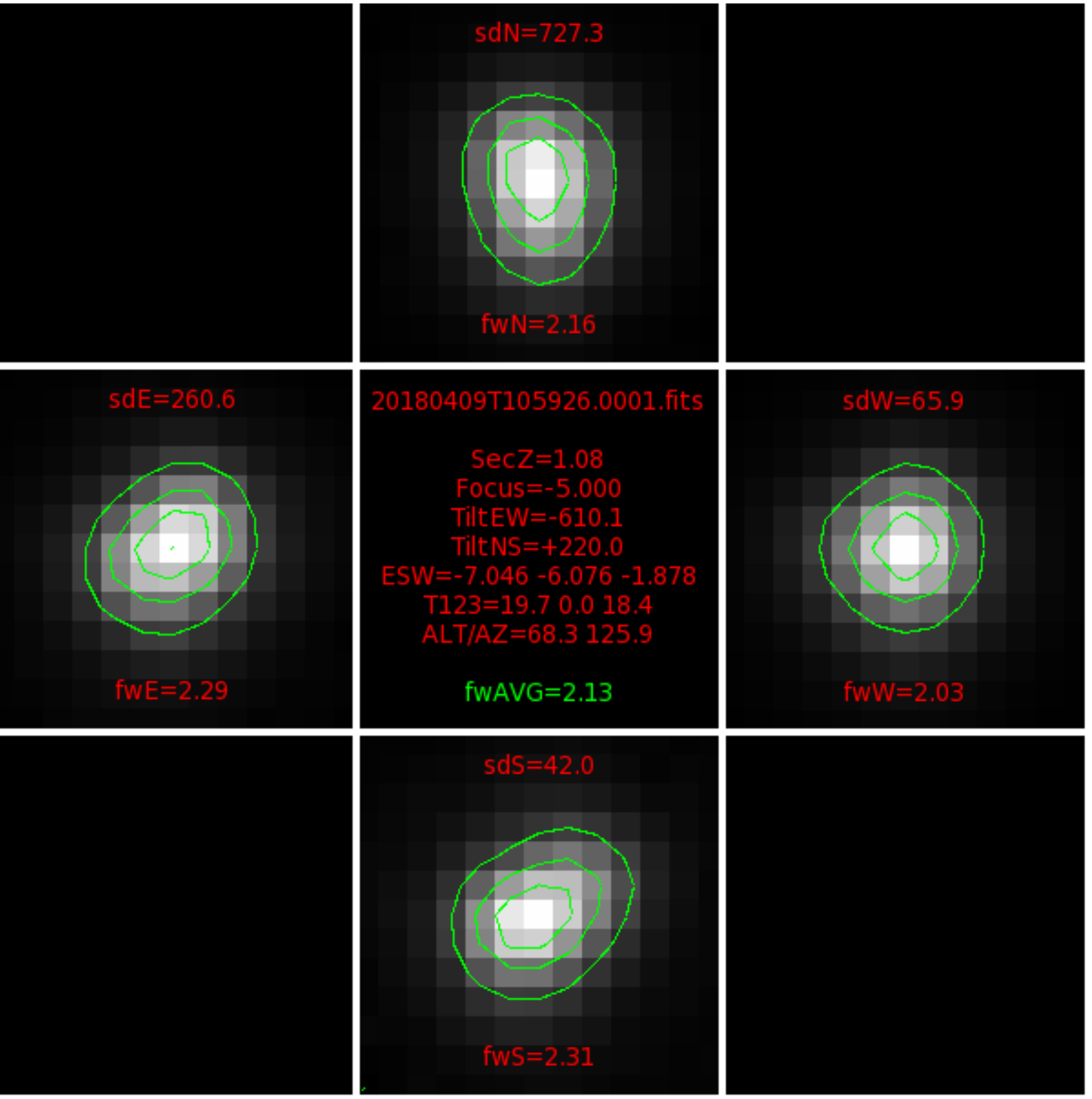
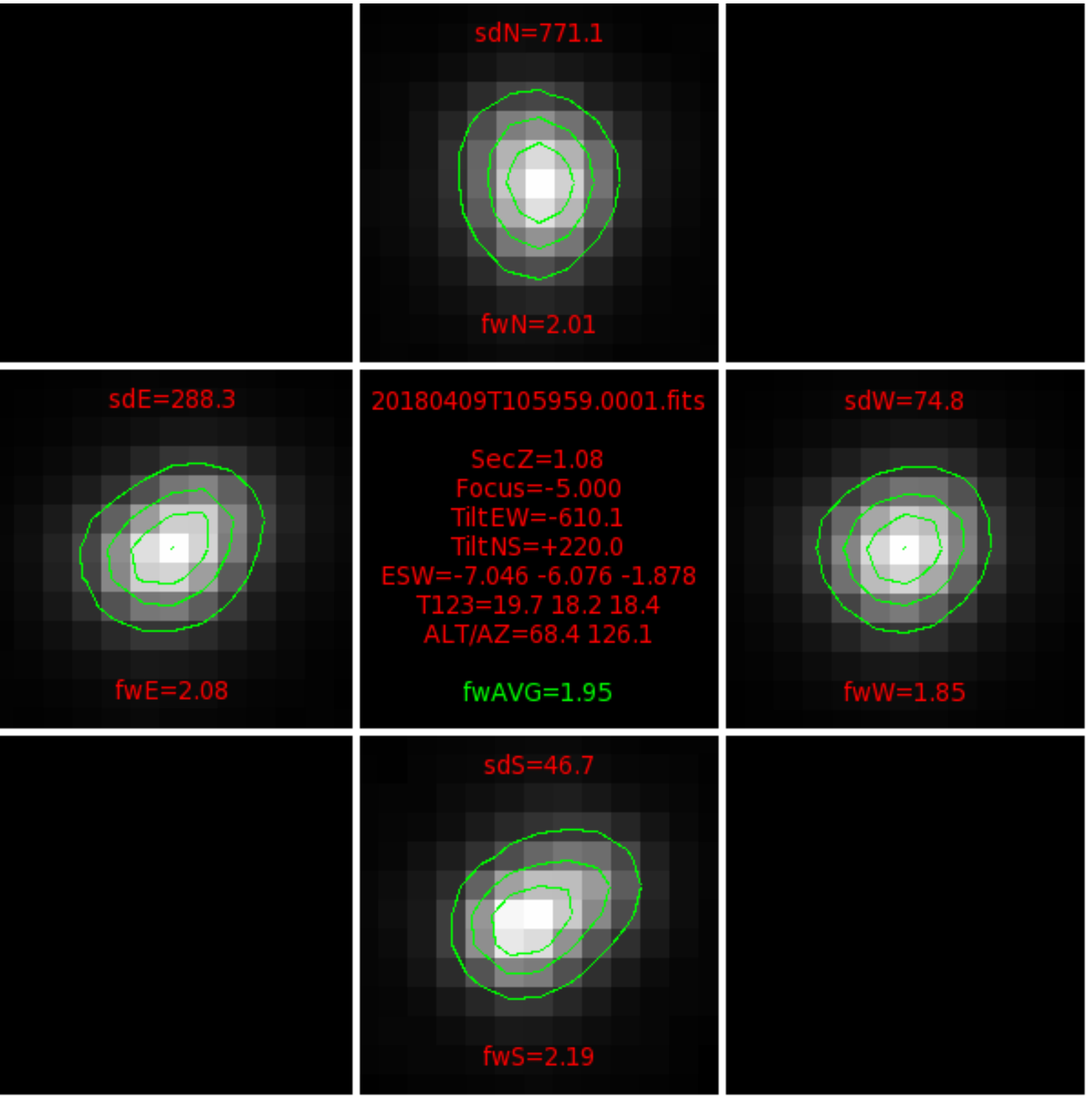

sdN=517.5
fwN=2.31
sdE=163.0
fwE=2.38
20180409T105854.0001.fits
SecZ=1.08
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.7 0.0 18.3
ALT/AZ=68.2 125.6
fwAVG=2.20
sdW=42.8
fwW=2.06
sdS=29.2
fwS=2.40
0 0 0 0 0 0 0 0 0


sdN=727.3
fwN=2.16
sdE=260.6
fwE=2.29
20180409T105926.0001.fits
SecZ=1.08
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.7 0.0 18.4
ALT/AZ=68.3 125.9
fwAVG=2.13
sdW=65.9
fwW=2.03
sdS=42.0
fwS=2.31
0 0 0 0 0 0 0 0 0


sdN=771.1
fwN=2.01
sdE=288.3
fwE=2.08
20180409T105959.0001.fits
SecZ=1.08
Focus=-5.000
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.046 -6.076 -1.878
T123=19.7 18.2 18.4
ALT/AZ=68.4 126.1
fwAVG=1.95
sdW=74.8
fwW=1.85
sdS=46.7
fwS=2.19
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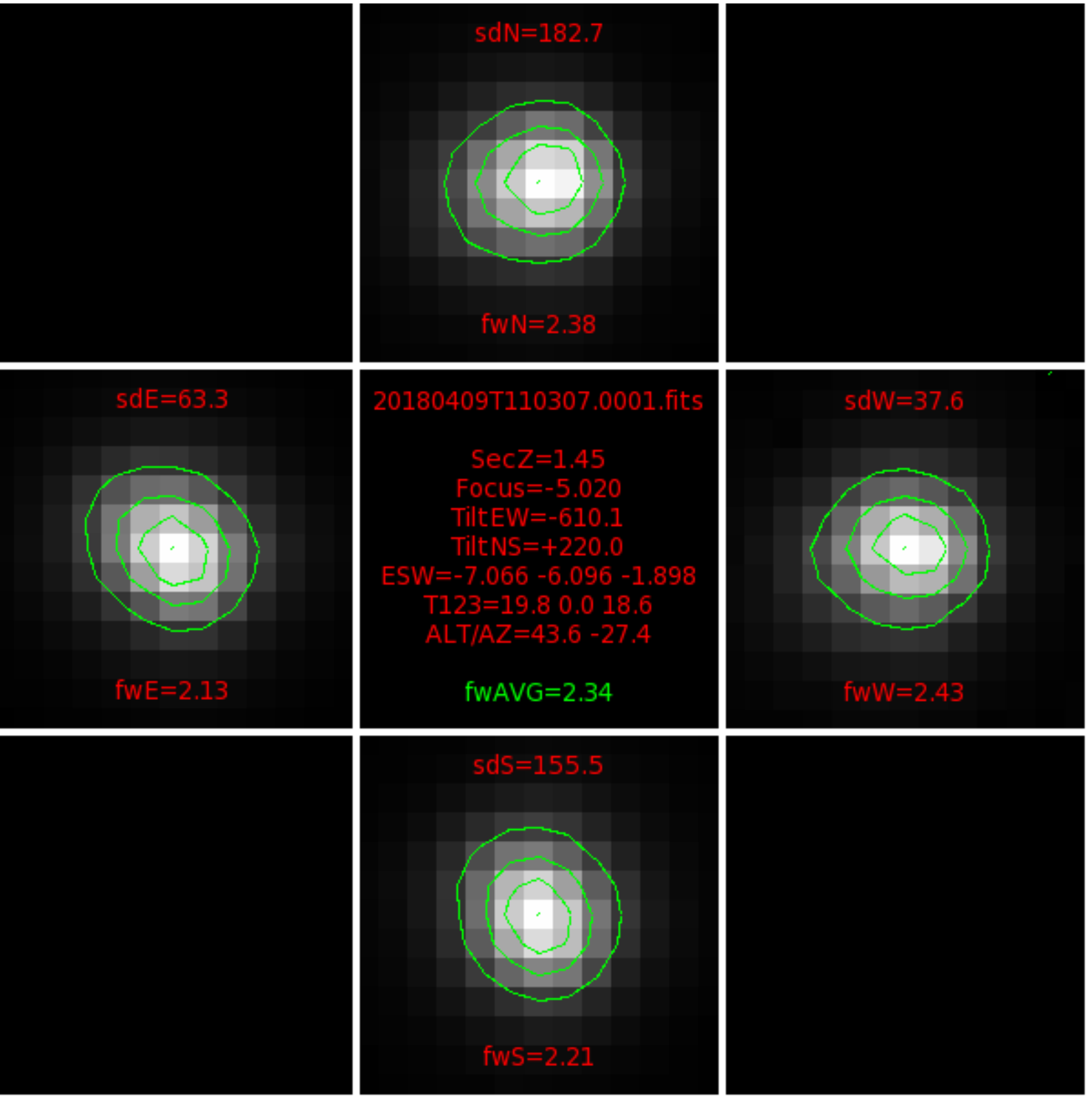
sdN=182.7
fwN=2.38
sdE=63.3
fwE=2.13
20180409T110307.0001.fits
SecZ=1.45
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=19.8 0.0 18.6
ALT/AZ=43.6 -27.4
fwAVG=2.34
sdW=37.6
fwW=2.43
sdS=155.5
fwS=2.21
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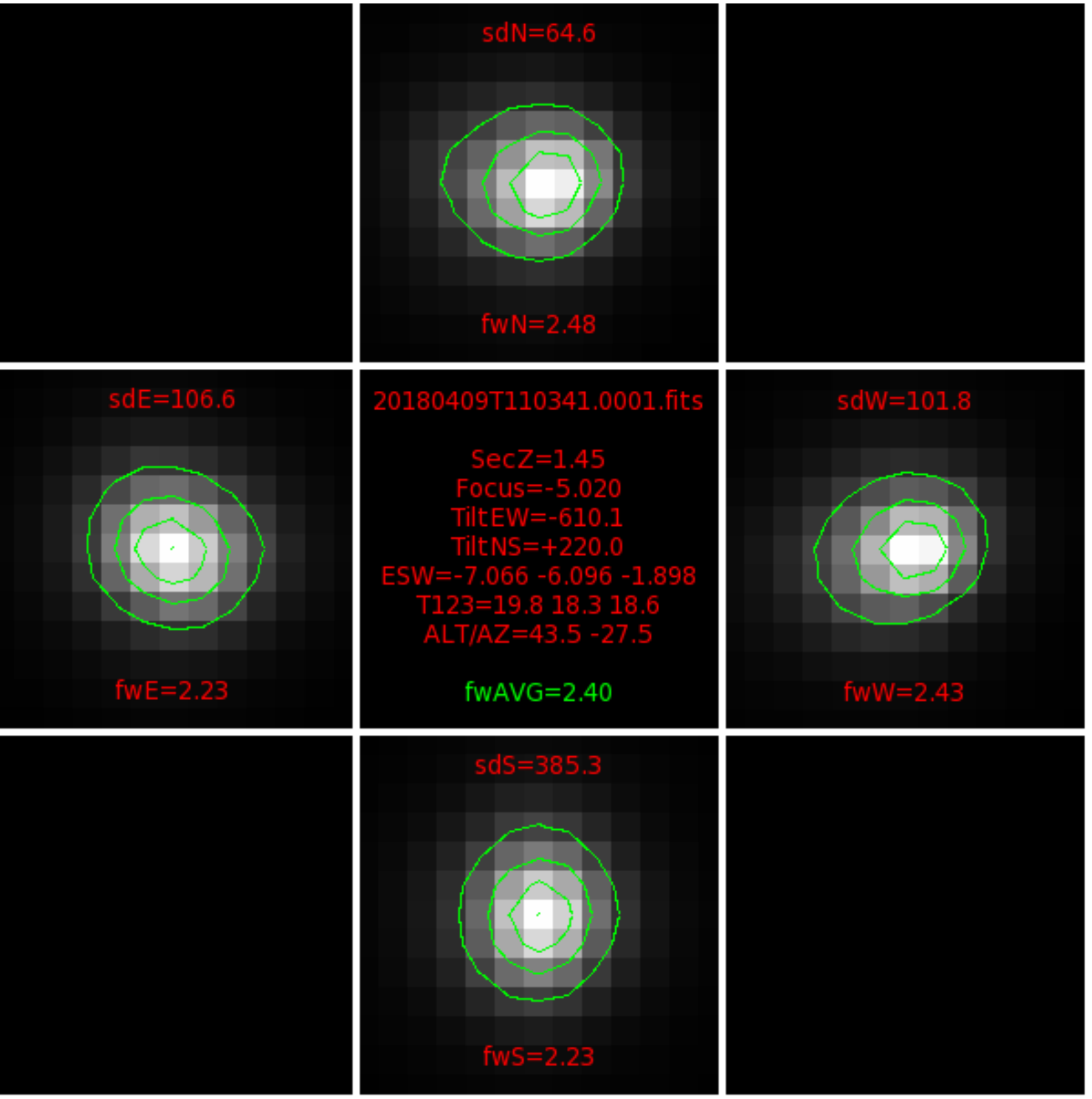
sdN=64.6
fwN=2.48
sdE=106.6
fwE=2.23
20180409T110341.0001.fits
SecZ=1.45
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=19.8 18.3 18.6
ALT/AZ=43.5 -27.5
fwAVG=2.40
sdW=101.8
fwW=2.43
sdS=385.3
fwS=2.23
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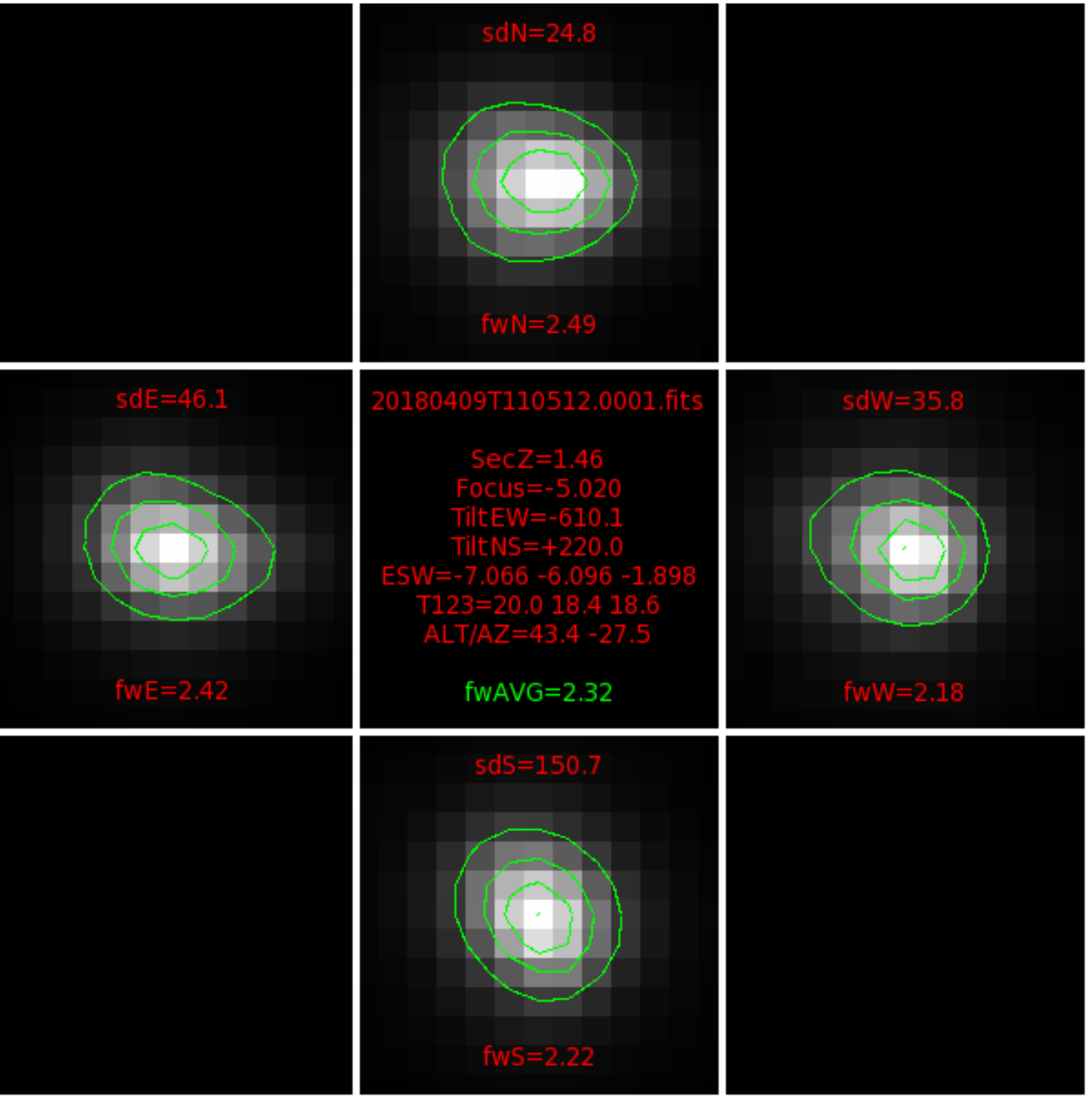
sdN=24.8
fwN=2.49
sdE=46.1
fwE=2.42
20180409T110512.0001.fits
SecZ=1.46
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.0 18.4 18.6
ALT/AZ=43.4 -27.5
fwAVG=2.32
sdW=35.8
fwW=2.18
sdS=150.7
fwS=2.22
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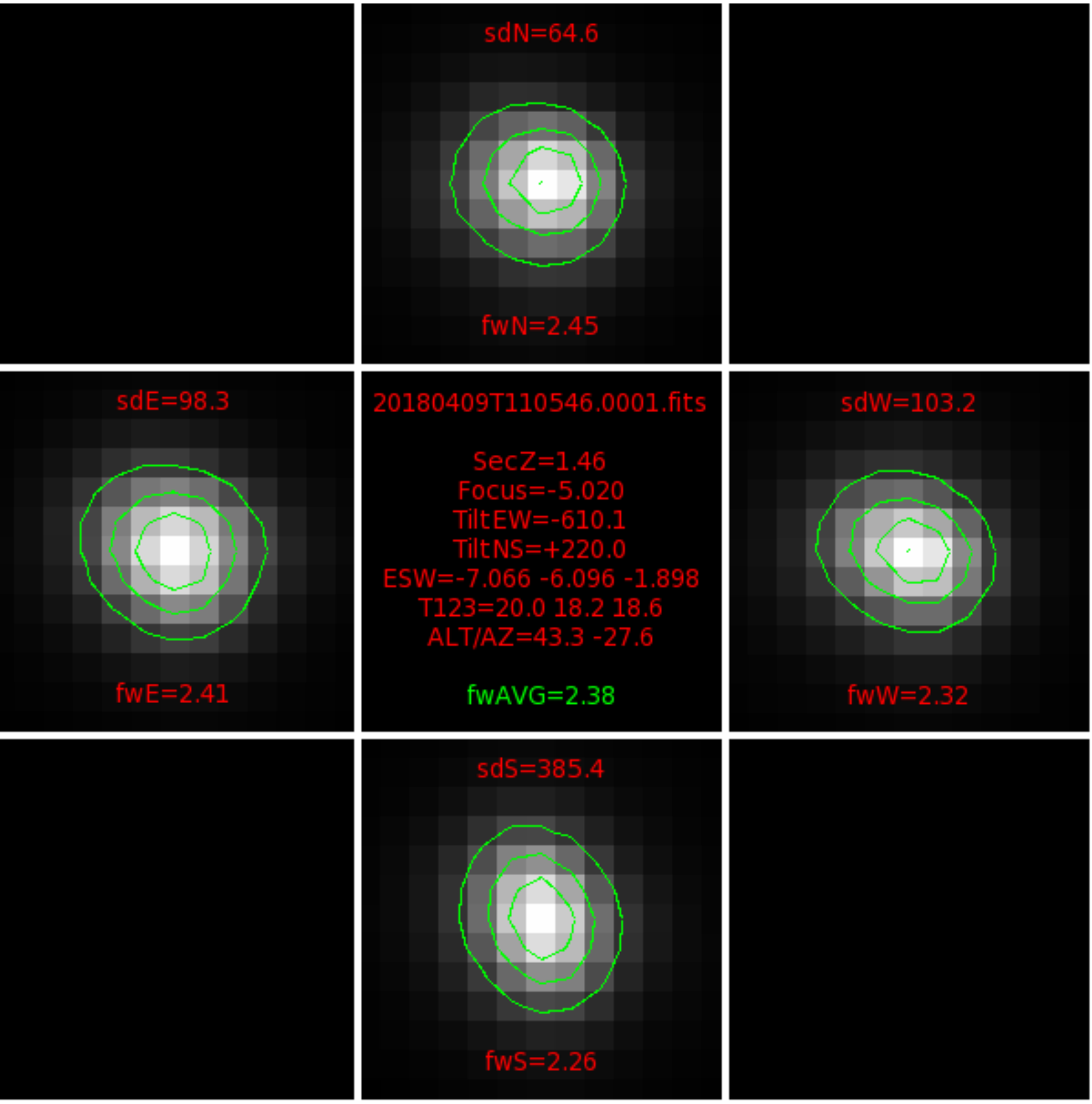
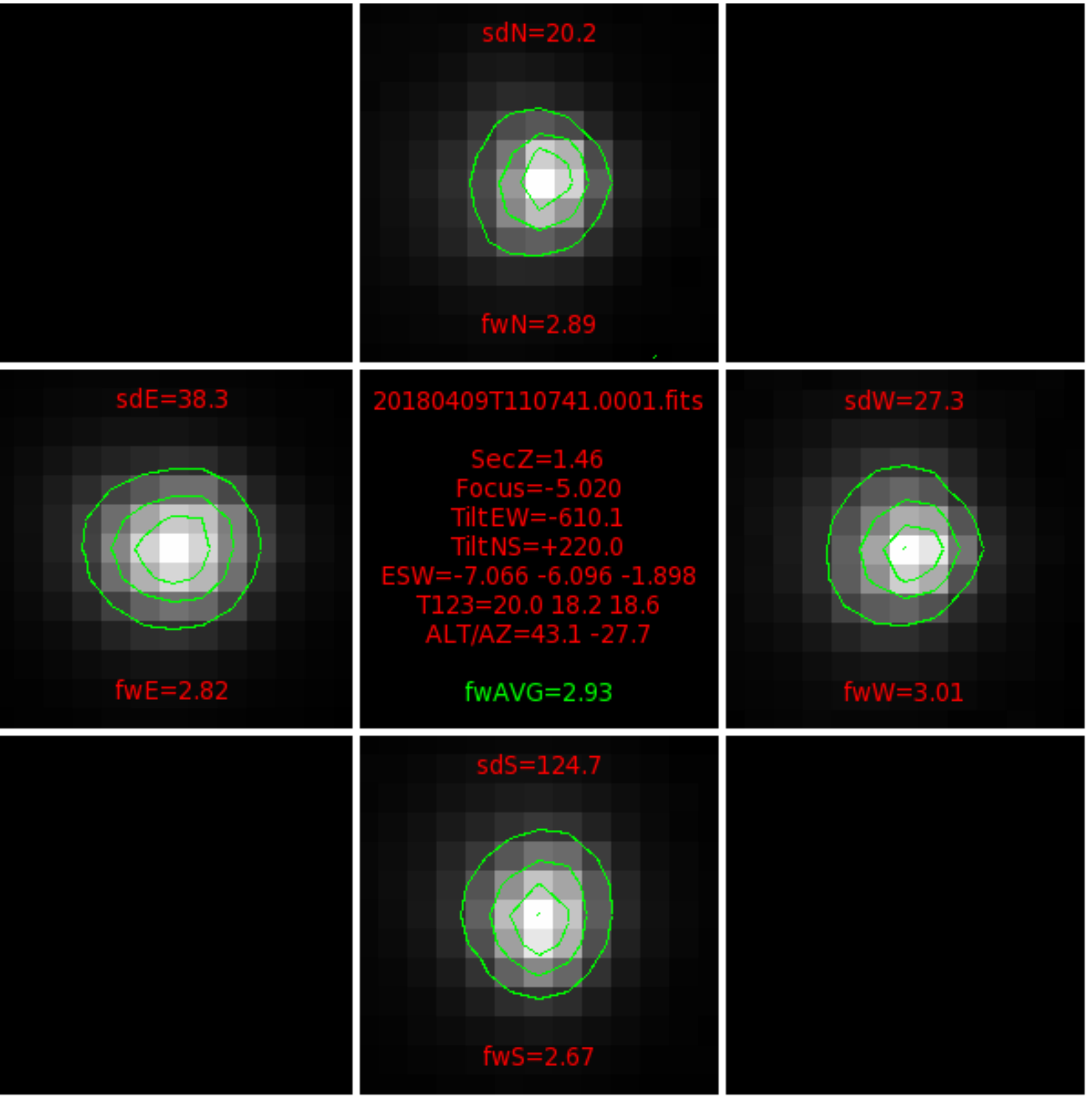

sdN=64.6
fwN=2.45
sdE=98.3
fwE=2.41
20180409T110546.0001.fits
SecZ=1.46
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.0 18.2 18.6
ALT/AZ=43.3 -27.6
fwAVG=2.38
sdW=103.2
fwW=2.32
sdS=385.4
fwS=2.26
0 0 0 0 0 0 0 0 0


sdN=20.2
fwN=2.89
sdE=38.3
fwE=2.82
20180409T110741.0001.fits
SecZ=1.46
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.0 18.2 18.6
ALT/AZ=43.1 -27.7
fwAVG=2.93
sdW=27.3
fwW=3.01
sdS=124.7
fwS=2.67
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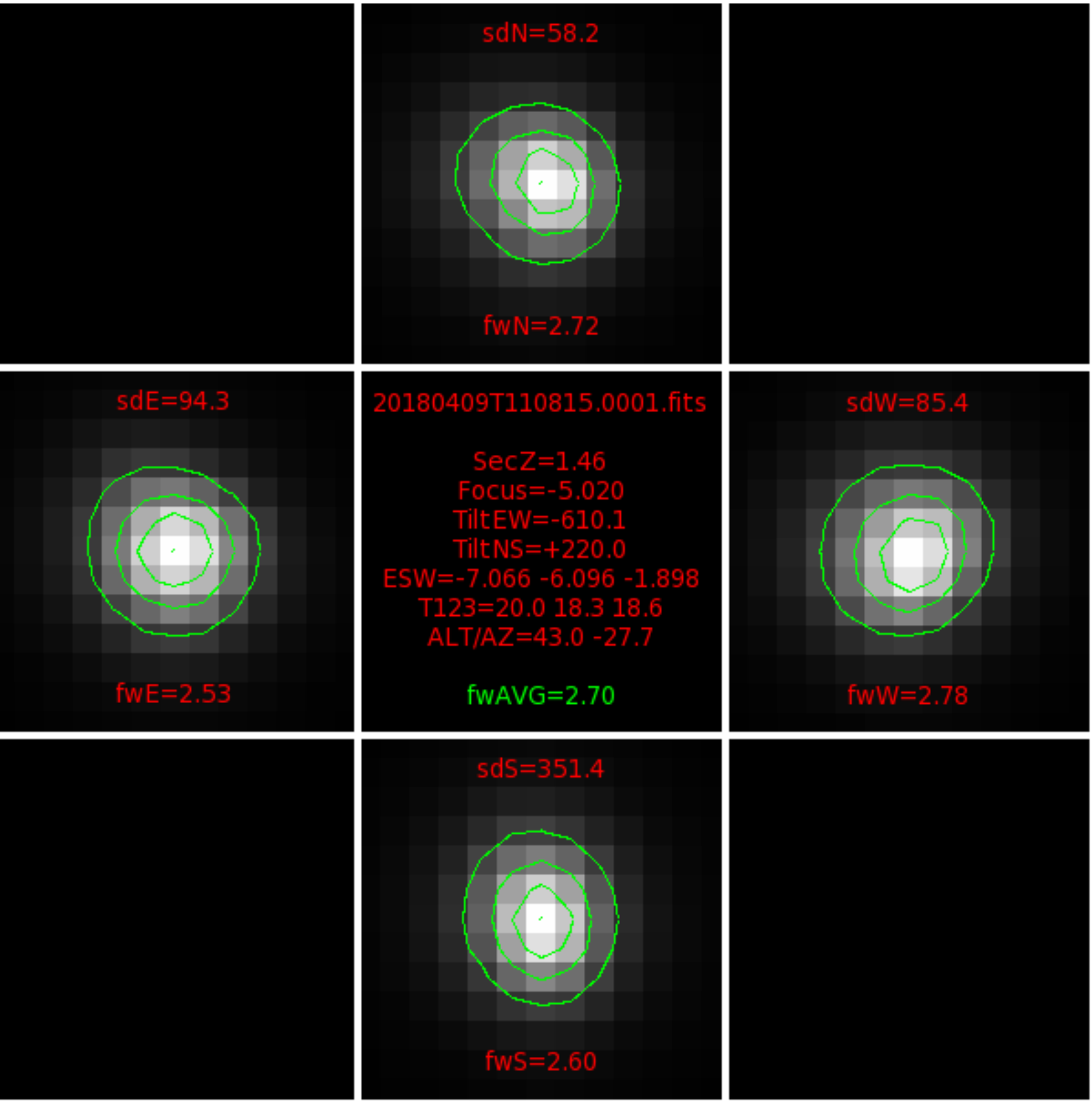
sdN=58.2
fwN=2.72
sdE=94.3
fwE=2.53
20180409T110815.0001.fits
SecZ=1.46
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.0 18.3 18.6
ALT/AZ=43.0 -27.7
fwAVG=2.70
sdW=85.4
fwW=2.78
sdS=351.4
fwS=2.60
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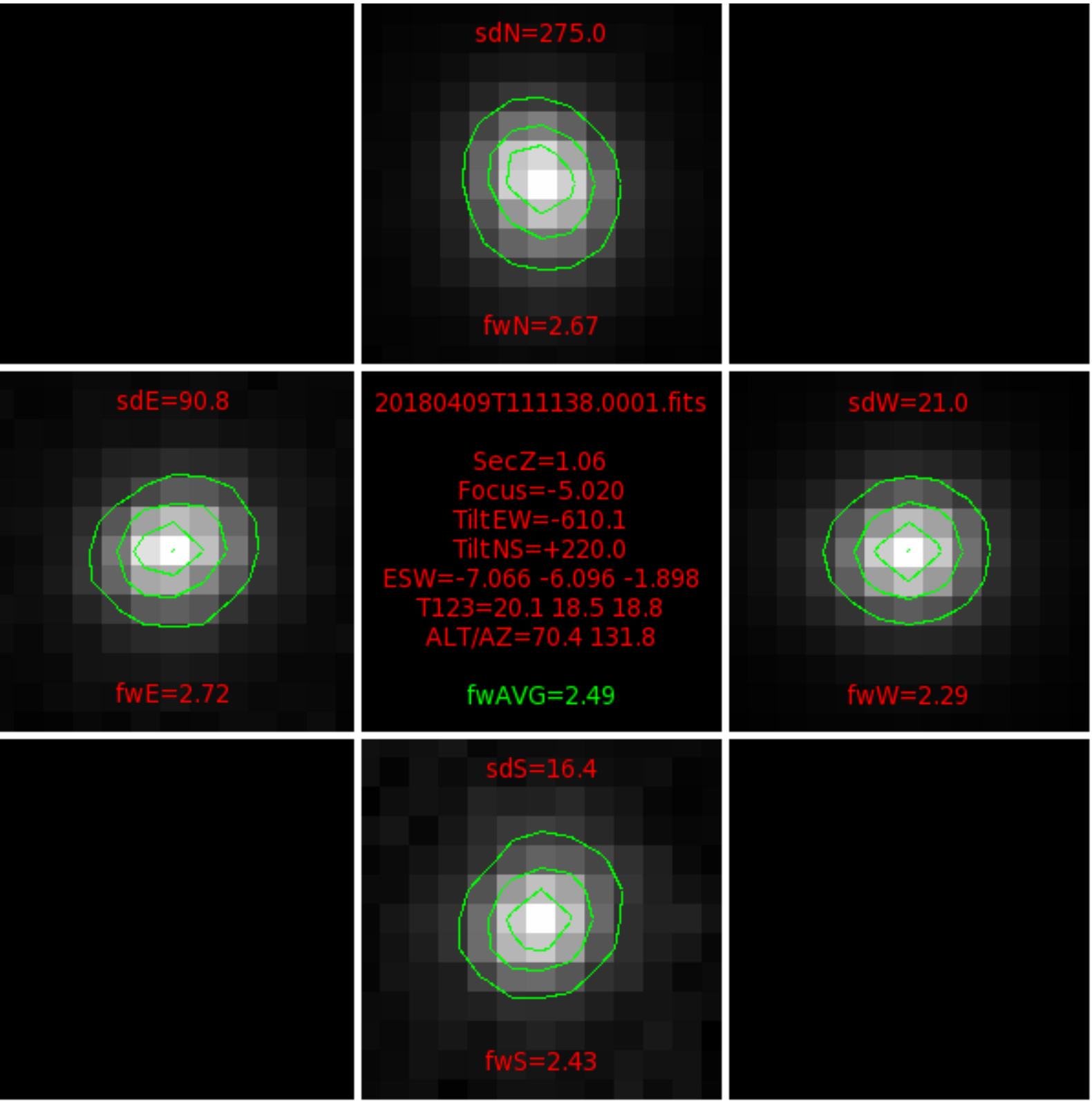
sdN=275.0
fwN=2.67
sdE=90.8
fwE=2.72
20180409T111138.0001.fits
SecZ=1.06
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.1 18.5 18.8
ALT/AZ=70.4 131.8
fwAVG=2.49
sdW=21.0
fwW=2.29
sdS=16.4
fwS=2.43
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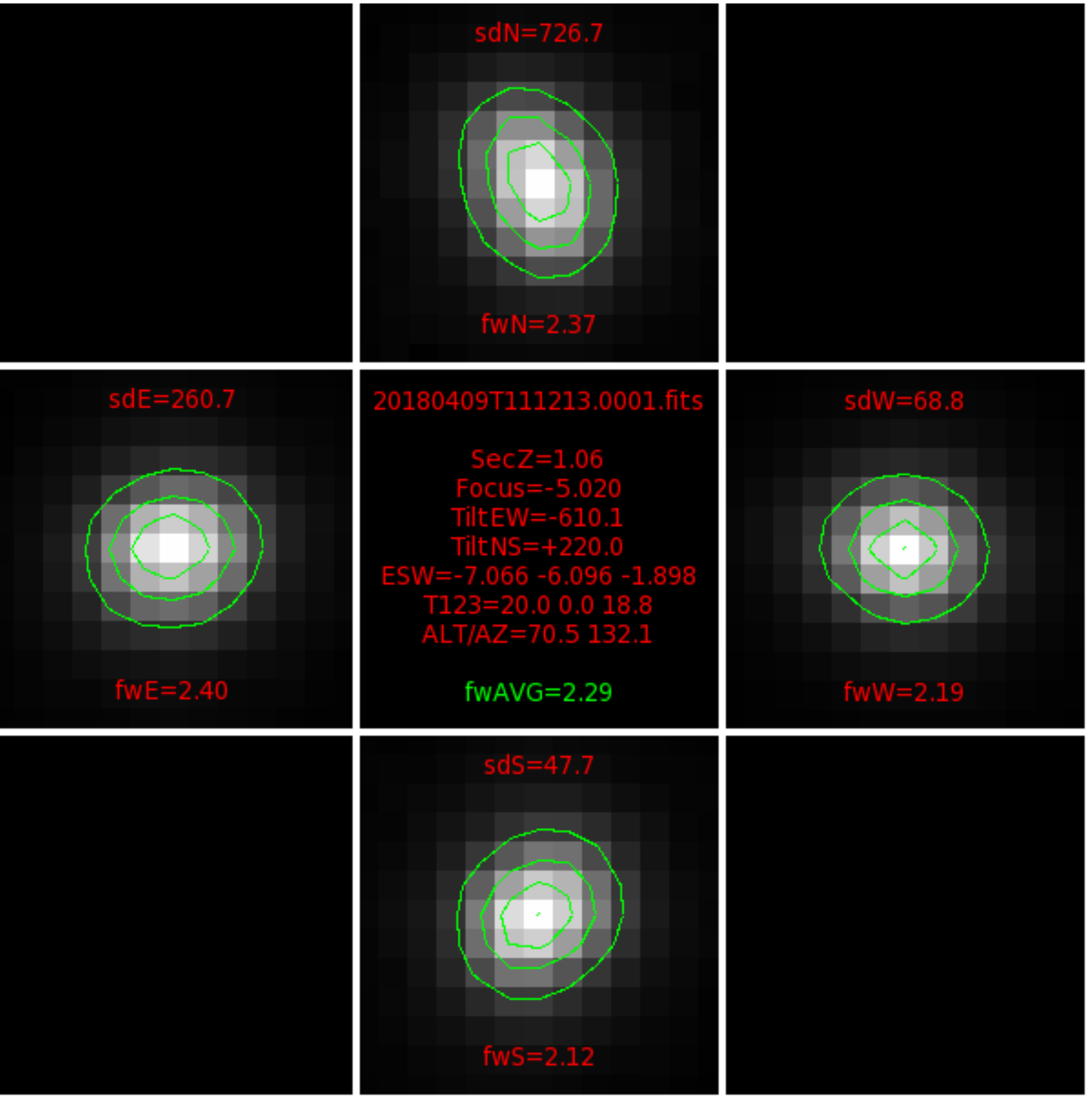
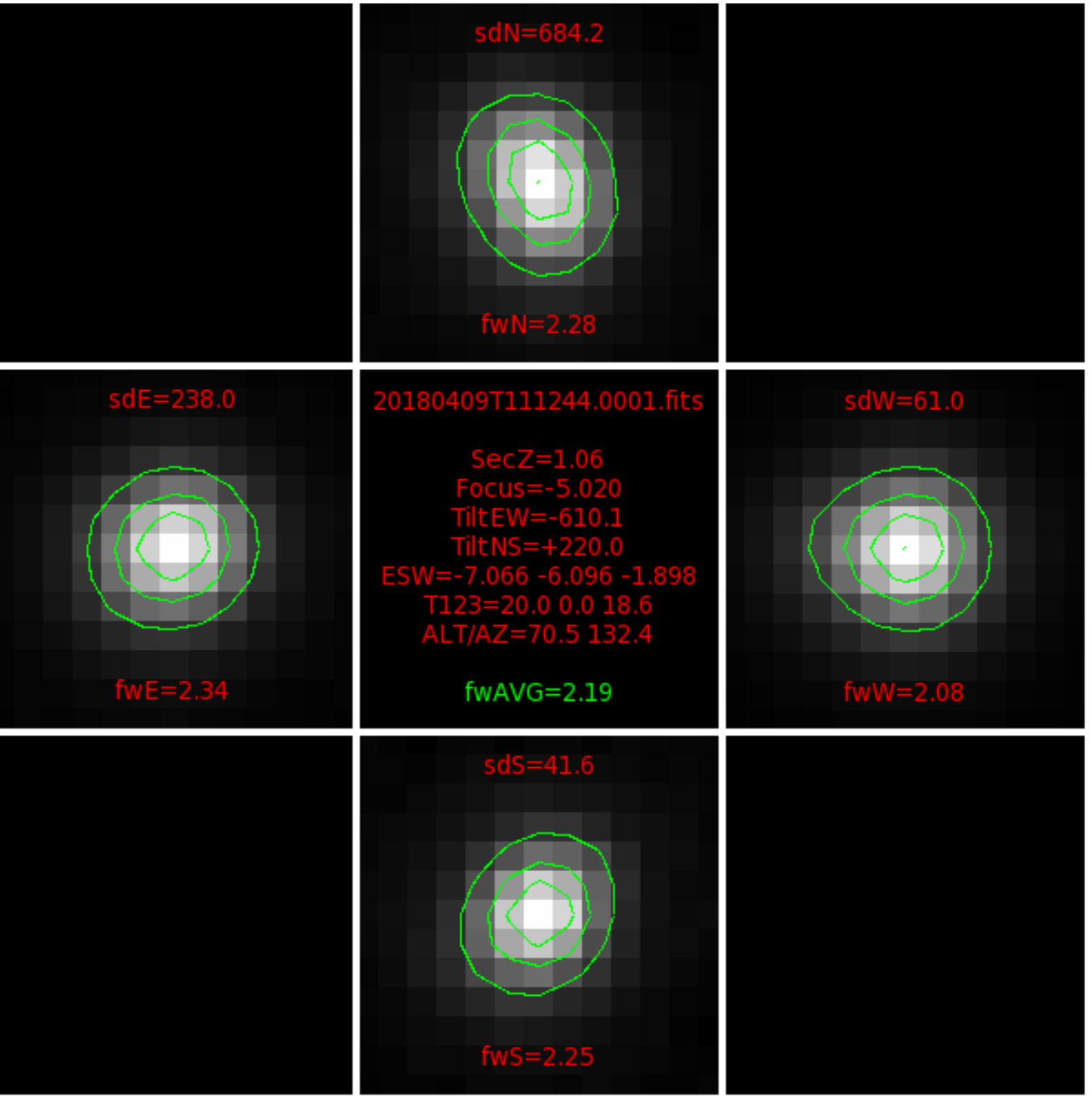
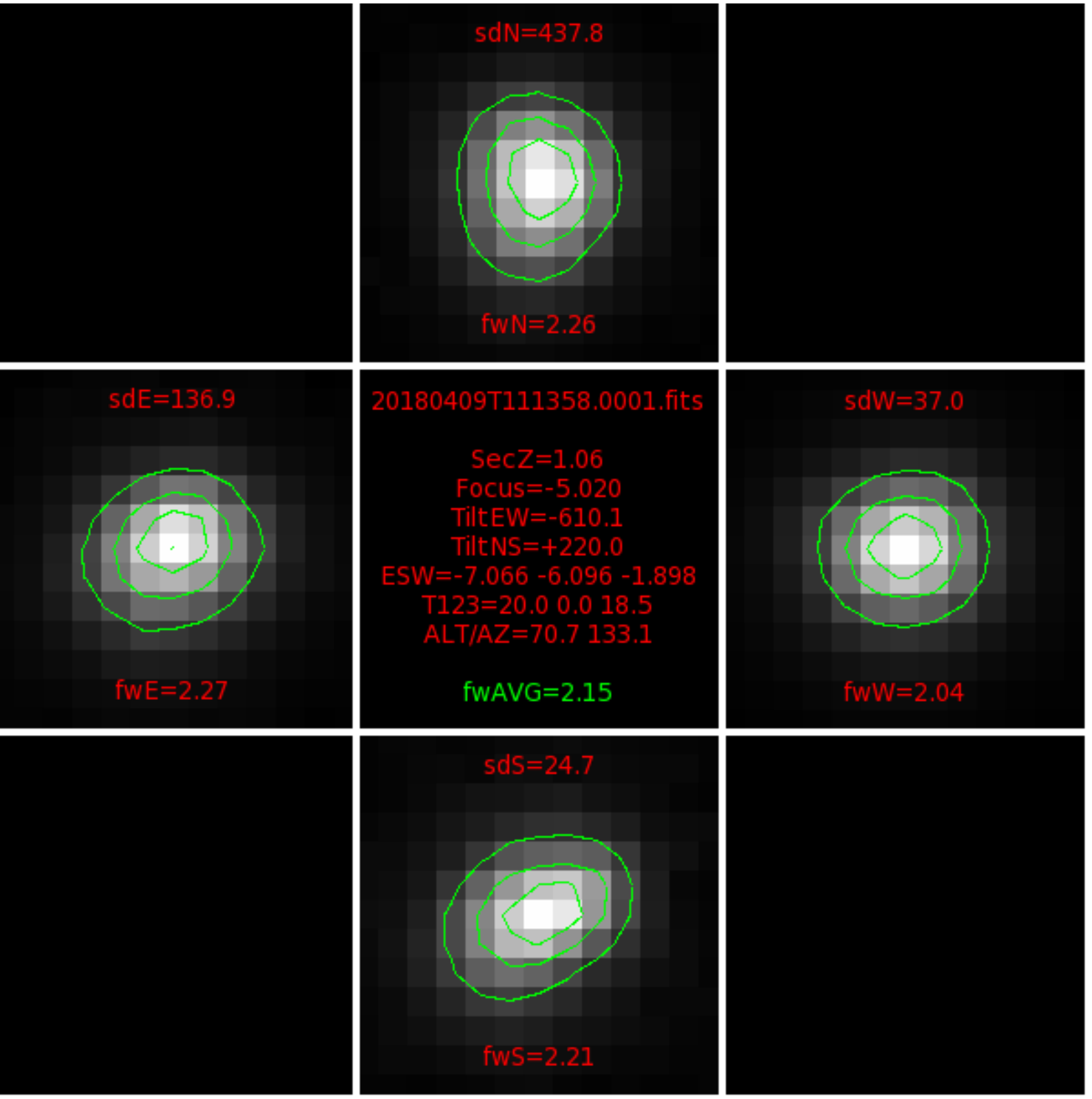
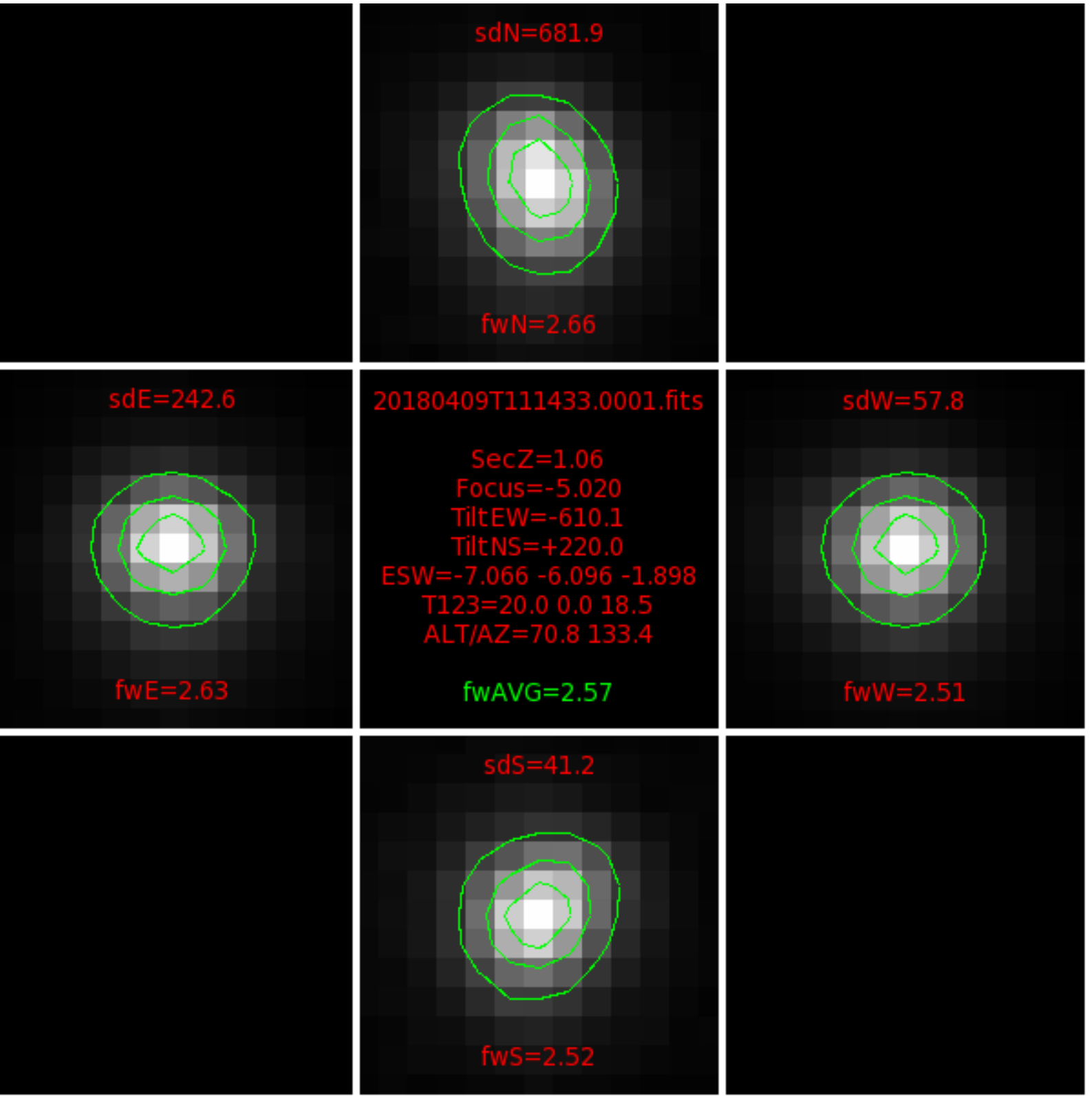
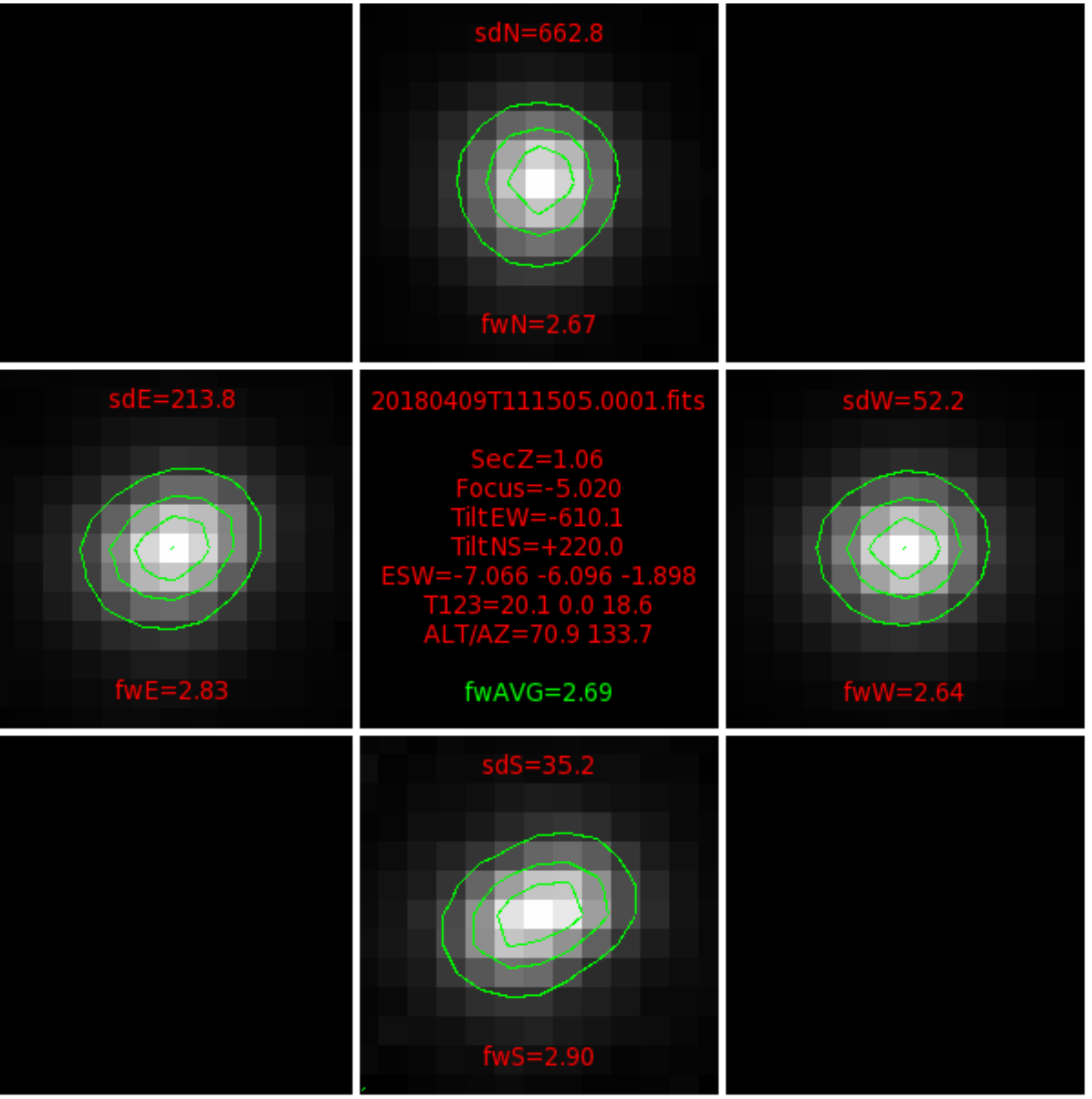
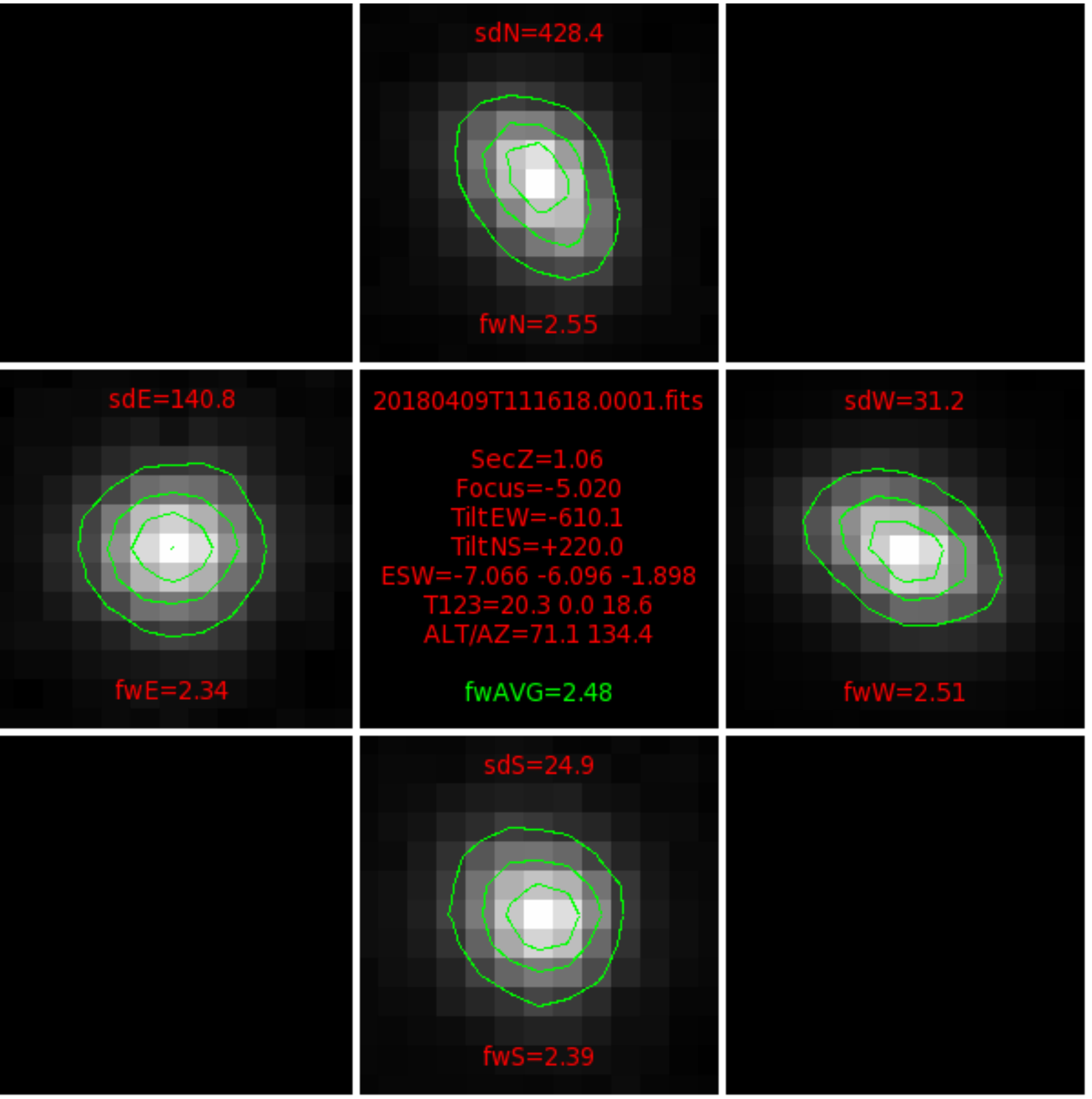

sdN=726.7
fwN=2.37
sdE=260.7
fwE=2.40
20180409T111213.0001.fits
SecZ=1.06
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.0 0.0 18.8
ALT/AZ=70.5 132.1
fwAVG=2.29
sdW=68.8
fwW=2.19
sdS=47.7
fwS=2.12
0 0 0 0 0 0 0 0 0

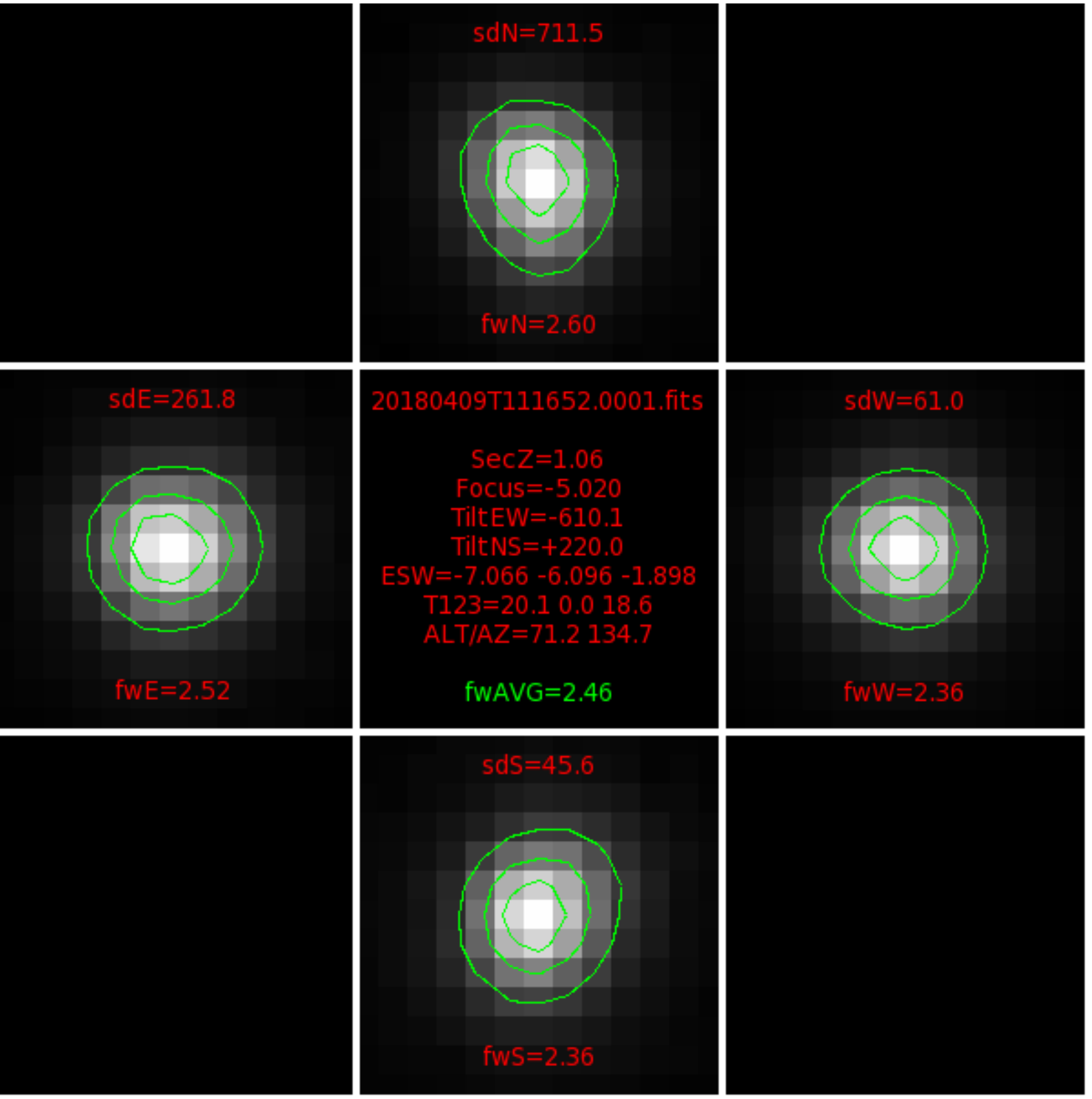

sdN=684.2
fwN=2.28
sdE=238.0
fwE=2.34
20180409T111244.0001.fits
SecZ=1.06
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.0 0.0 18.6
ALT/AZ=70.5 132.4
fwAVG=2.19
sdW=61.0
fwW=2.08
sdS=41.6
fwS=2.25
0 0 0 0 0 0 0 0 0

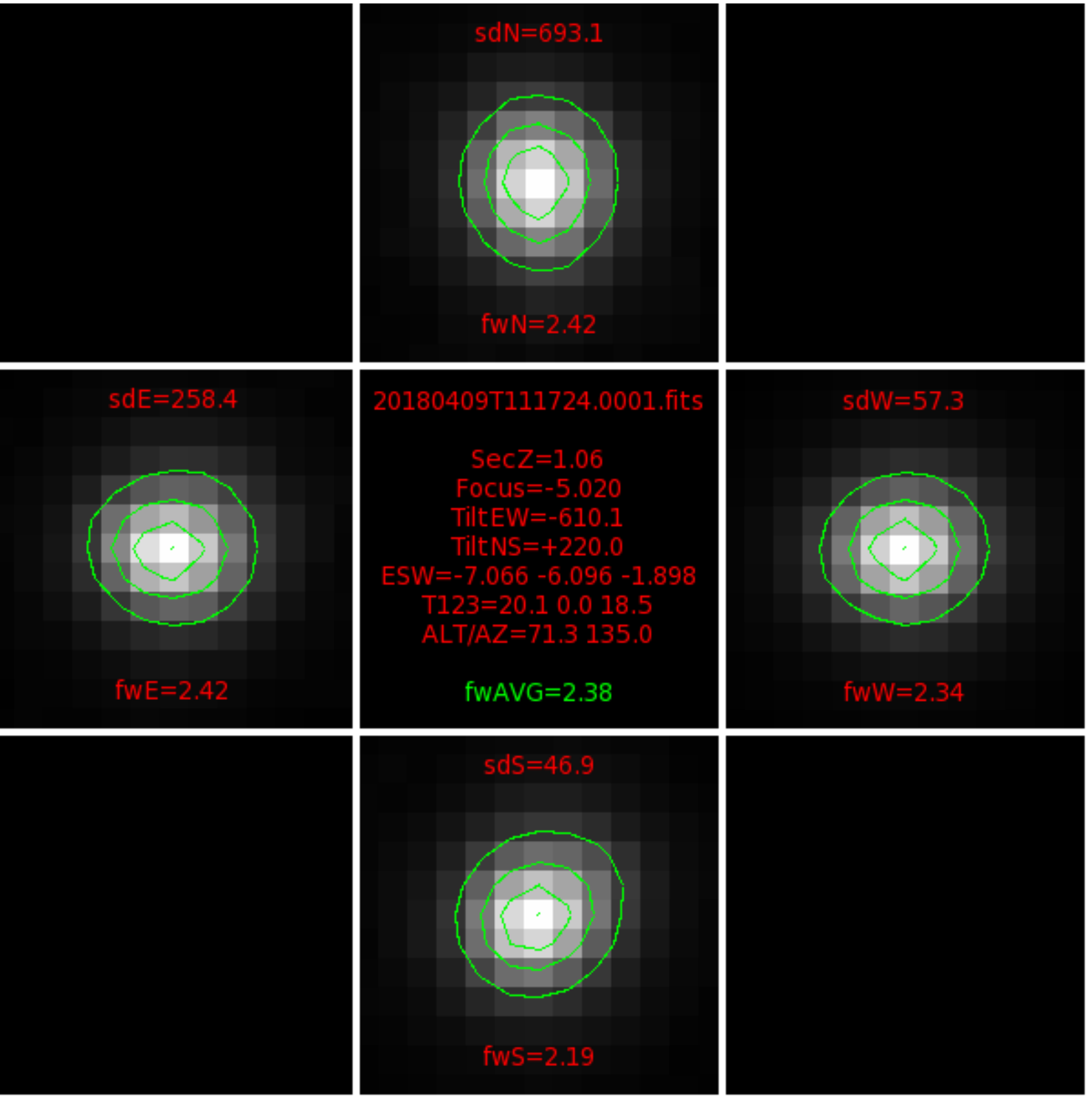

sdN=437.8
fwN=2.26
sdE=136.9
fwE=2.27
20180409T111358.0001.fits
SecZ=1.06
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.0 0.0 18.5
ALT/AZ=70.7 133.1
fwAVG=2.15
sdW=37.0
fwW=2.04
sdS=24.7
fwS=2.21
0 0 0 0 0 0 0 0 0

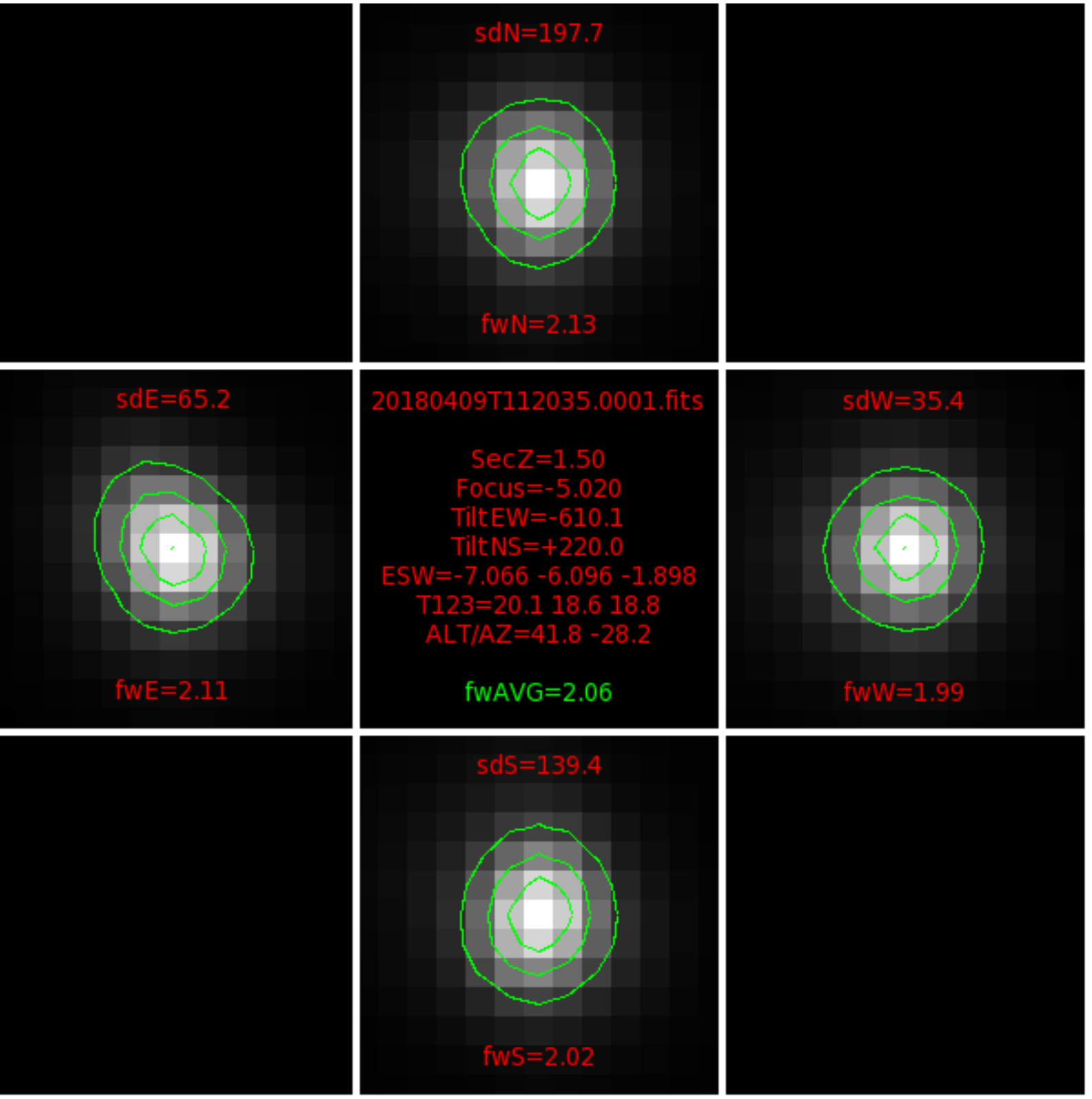

sdN=681.9
fwN=2.66
sdE=242.6
fwE=2.63
20180409T111433.0001.fits
SecZ=1.06
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.0 0.0 18.5
ALT/AZ=70.8 133.4
fwAVG=2.57
sdW=57.8
fwW=2.51
sdS=41.2
fwS=2.52
0 0 0 0 0 0 0 0 0

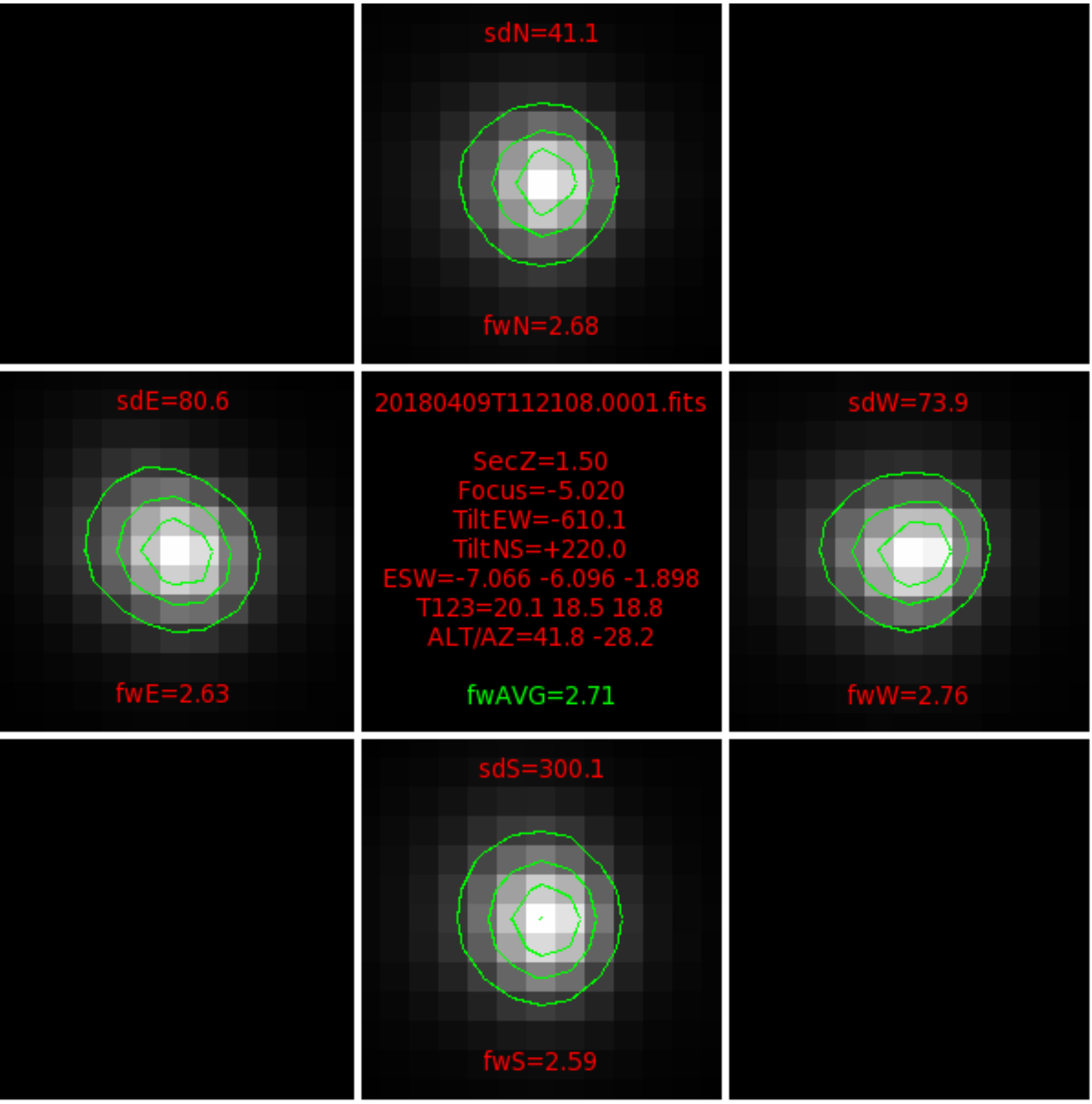

sdN=662.8
fwN=2.67
sdE=213.8
fwE=2.83
20180409T111505.0001.fits
SecZ=1.06
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.1 0.0 18.6
ALT/AZ=70.9 133.7
fwAVG=2.69
sdW=52.2
fwW=2.64
sdS=35.2
fwS=2.90
0 0 0 0 0 0 0 0 0

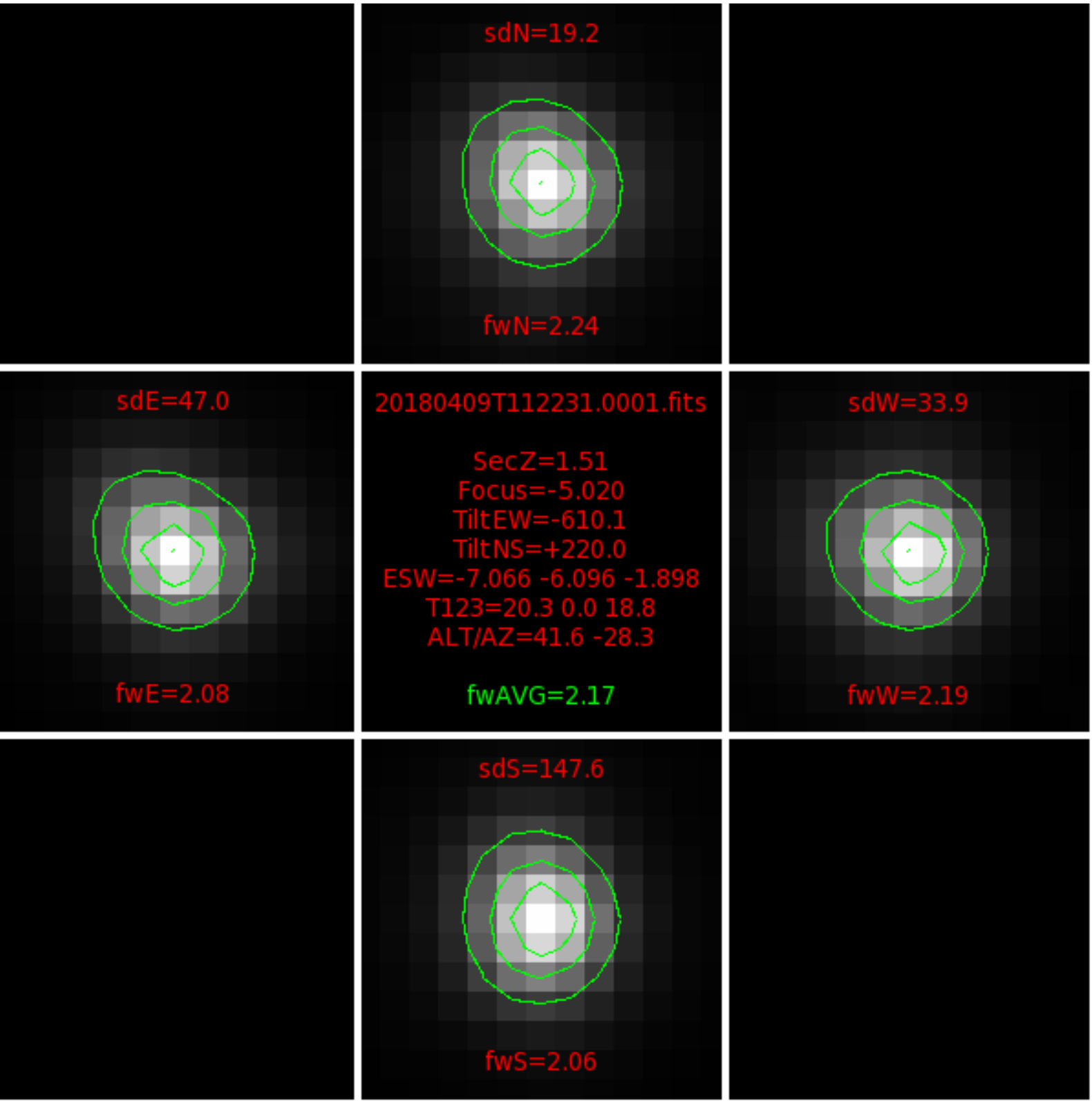

sdN=428.4
fwN=2.55
sdE=140.8
fwE=2.34
20180409T111618.0001.fits
SecZ=1.06
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.3 0.0 18.6
ALT/AZ=71.1 134.4
fwAVG=2.48
sdW=31.2
fwW=2.51
sdS=24.9
fwS=2.39
0 0 0 0 0 0 0 0 0

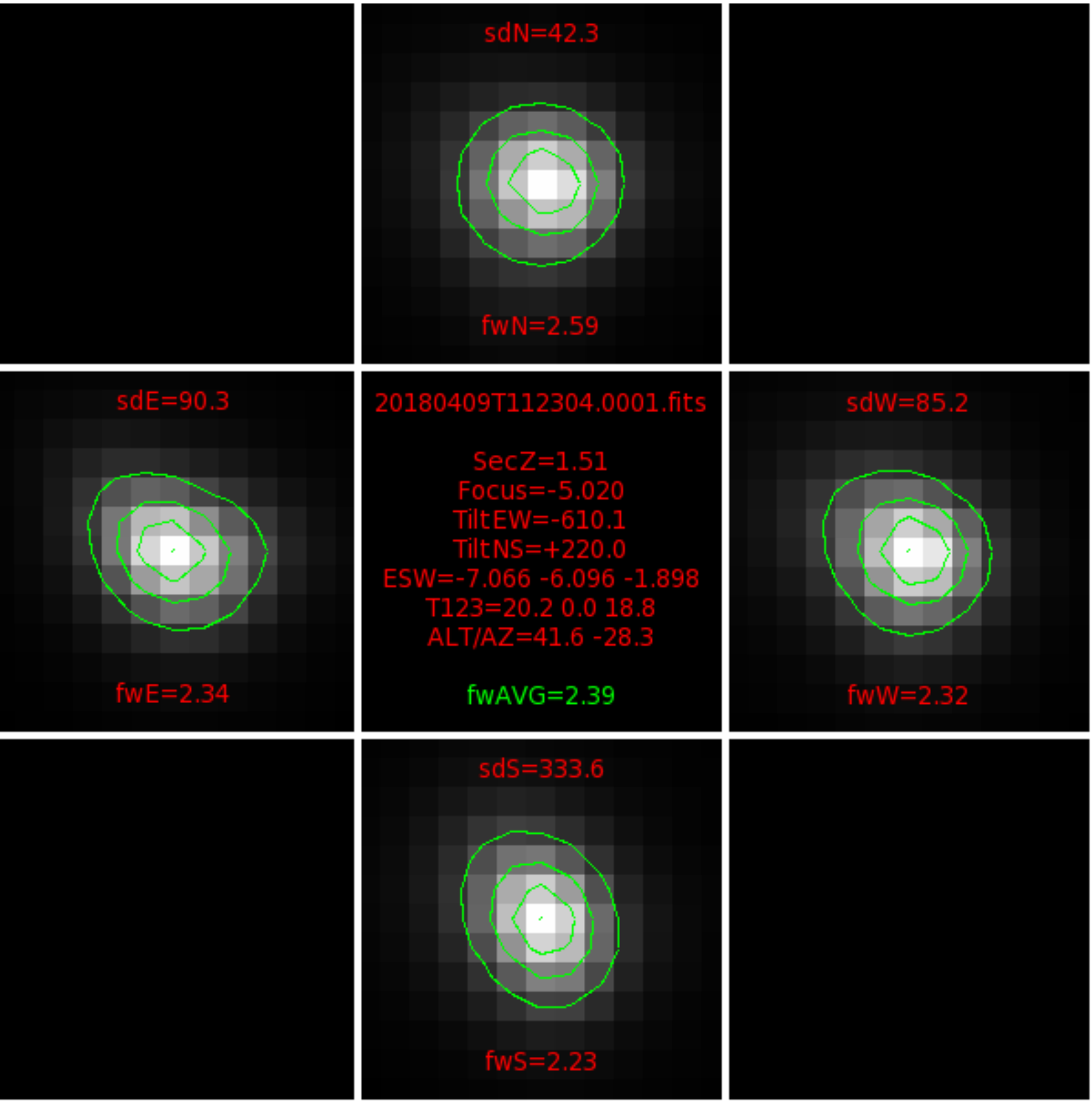

sdN=711.5
fwN=2.60
sdE=261.8
fwE=2.52
20180409T111652.0001.fits
SecZ=1.06
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.1 0.0 18.6
ALT/AZ=71.2 134.7
fwAVG=2.46
sdW=61.0
fwW=2.36
sdS=45.6
fwS=2.36
0 0 0 0 0 0 0 0 0

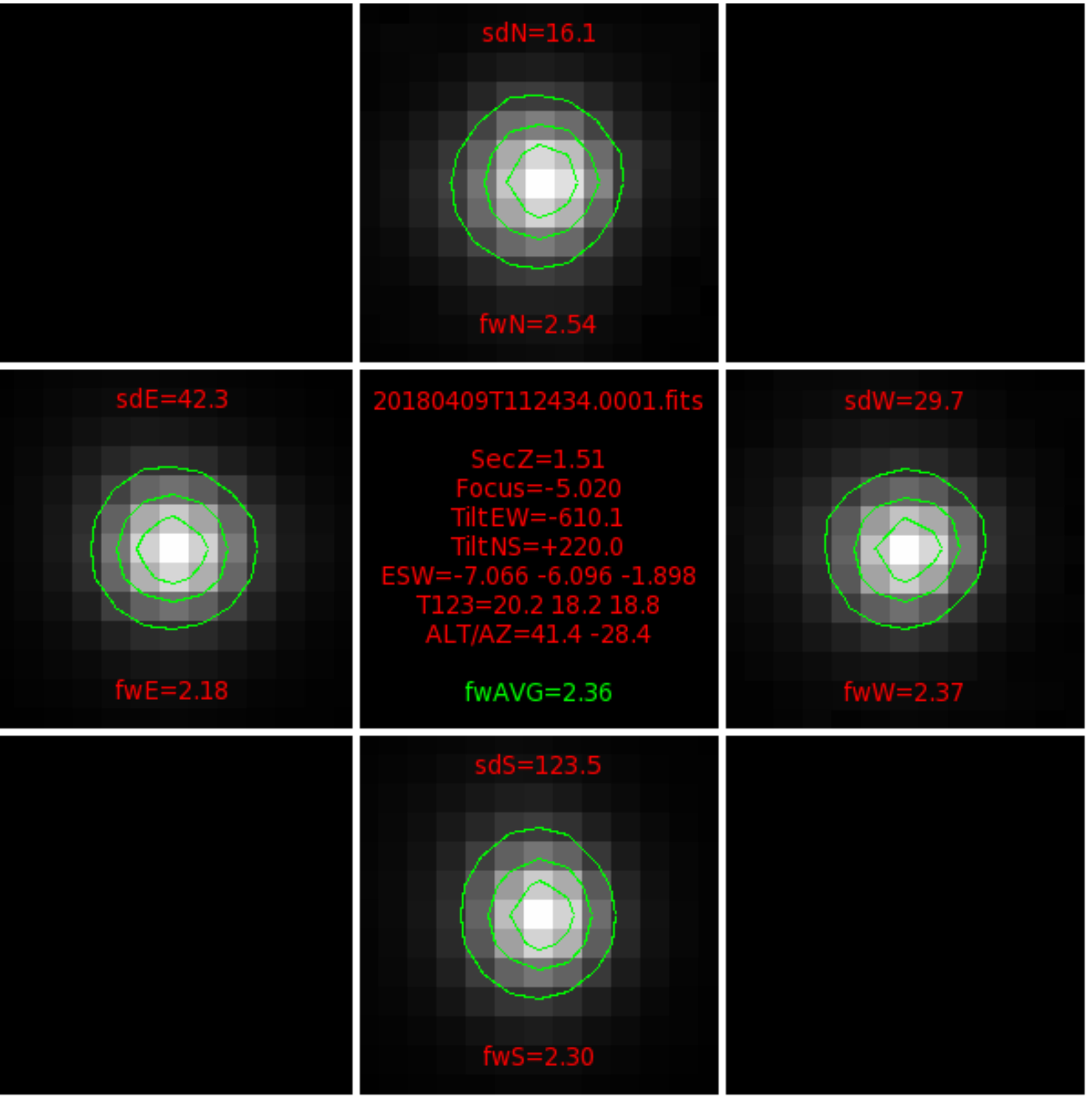

sdN=693.1
fwN=2.42
sdE=258.4
fwE=2.42
20180409T111724.0001.fits
SecZ=1.06
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.1 0.0 18.5
ALT/AZ=71.3 135.0
fwAVG=2.38
sdW=57.3
fwW=2.34
sdS=46.9
fwS=2.19
0 0 0 0 0 0 0 0 0

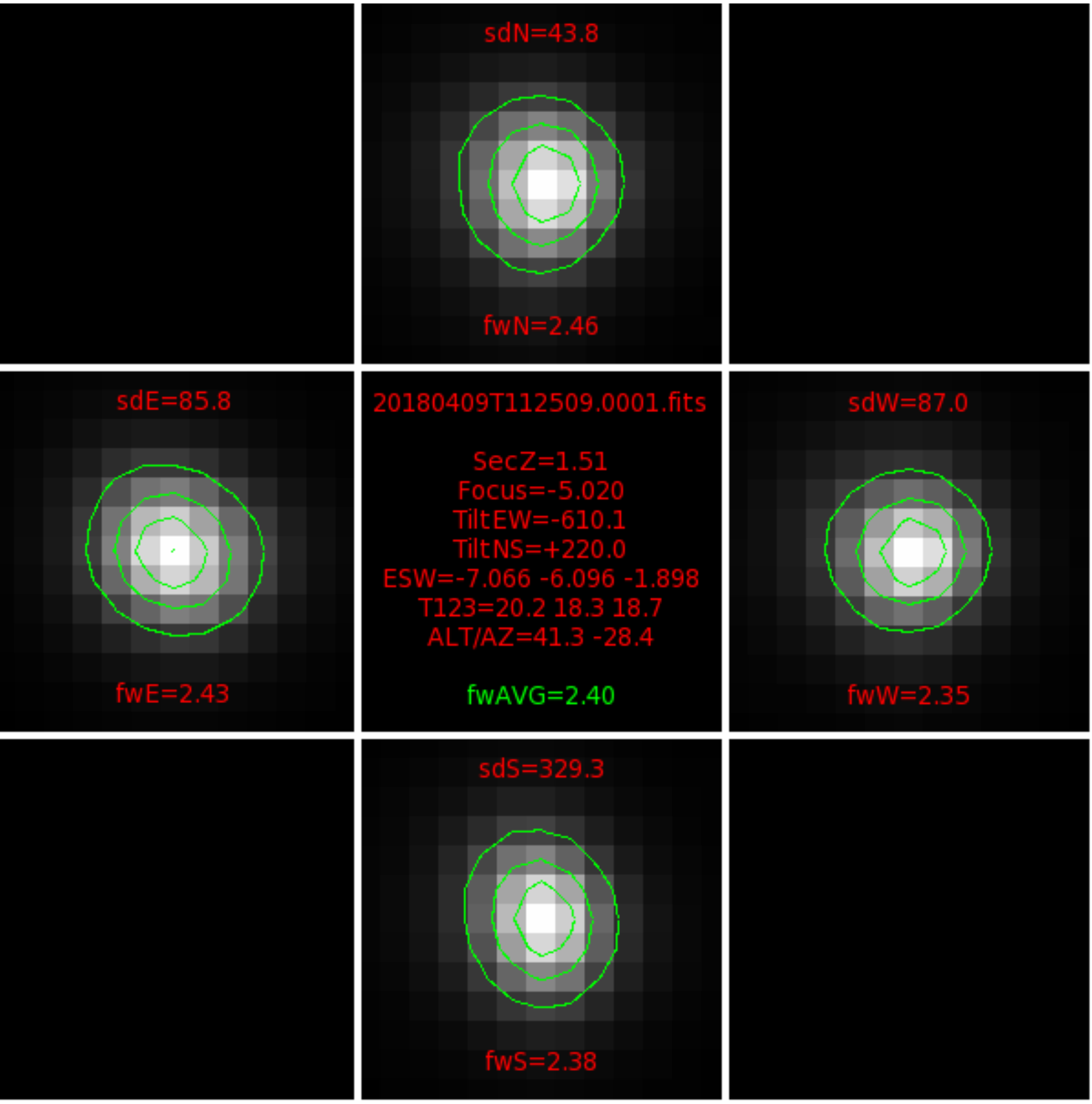

sdN=197.7
fwN=2.13
sdE=65.2
fwE=2.11
20180409T112035.0001.fits
SecZ=1.50
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.1 18.6 18.8
ALT/AZ=41.8 -28.2
fwAVG=2.06
sdW=35.4
fwW=1.99
sdS=139.4
fwS=2.02
0 0 0 0 0 0 0 0 0


sdN=41.1
fwN=2.68
sdE=80.6
fwE=2.63
20180409T112108.0001.fits
SecZ=1.50
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.1 18.5 18.8
ALT/AZ=41.8 -28.2
fwAVG=2.71
sdW=73.9
fwW=2.76
sdS=300.1
fwS=2.59
0 0 0 0 0 0 0 0 0

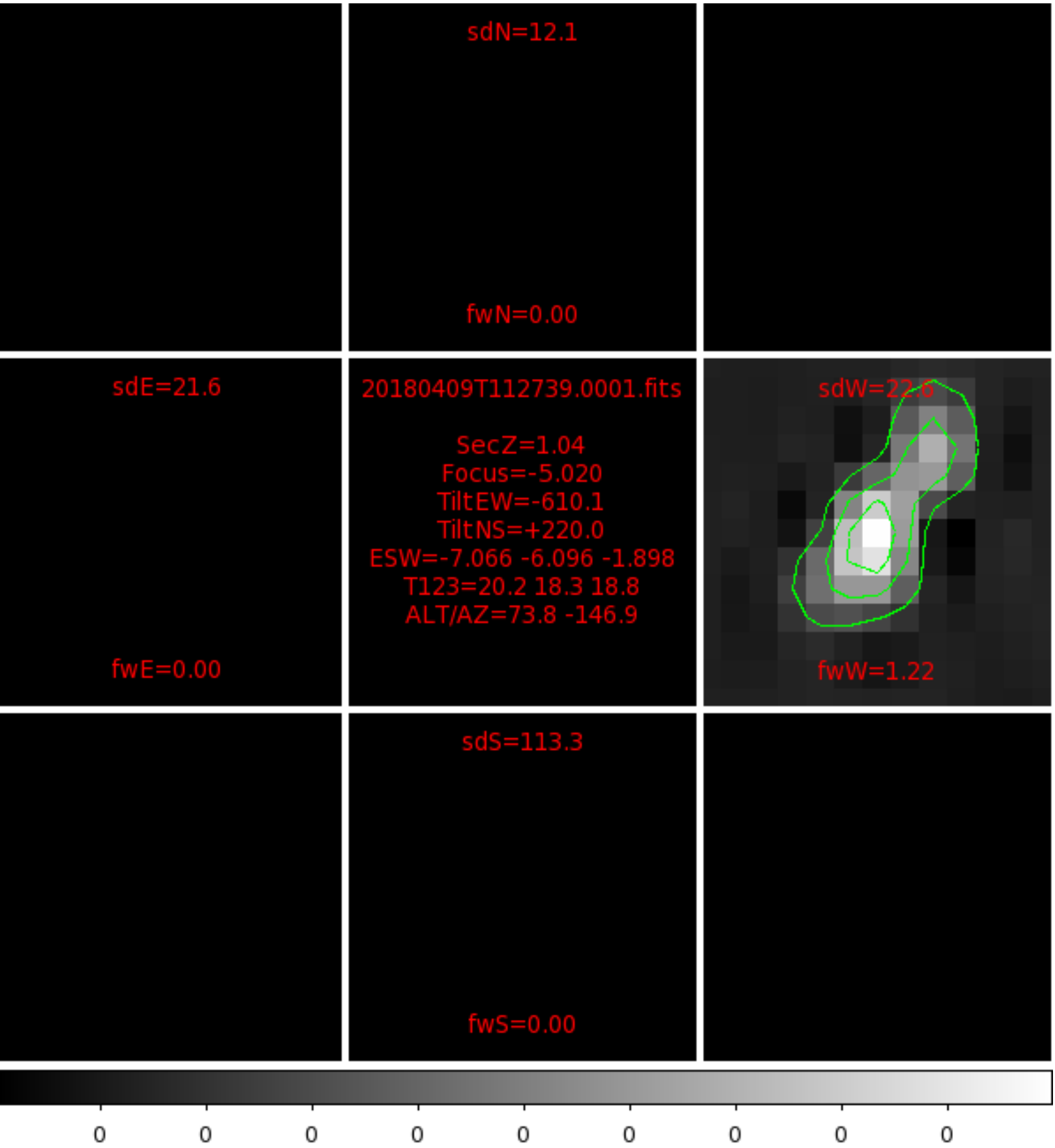

sdN=19.2
fwN=2.24
sdE=47.0
fwE=2.08
20180409T112231.0001.fits
SecZ=1.51
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.3 0.0 18.8
ALT/AZ=41.6 -28.3
fwAVG=2.17
sdW=33.9
fwW=2.19
sdS=147.6
fwS=2.06
0 0 0 0 0 0 0 0 0


sdN=42.3
fwN=2.59
sdE=90.3
fwE=2.34
20180409T112304.0001.fits
SecZ=1.51
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.2 0.0 18.8
ALT/AZ=41.6 -28.3
fwAVG=2.39
sdW=85.2
fwW=2.32
sdS=333.6
fwS=2.23
0 0 0 0 0 0 0 0 0


sdN=16.1
fwN=2.54
sdE=42.3
fwE=2.18
20180409T112434.0001.fits
SecZ=1.51
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.2 18.2 18.8
ALT/AZ=41.4 -28.4
fwAVG=2.36
sdW=29.7
fwW=2.37
sdS=123.5
fwS=2.30
0 0 0 0 0 0 0 0 0


sdN=43.8
fwN=2.46
sdE=85.8
fwE=2.43
20180409T112509.0001.fits
SecZ=1.51
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.2 18.3 18.7
ALT/AZ=41.3 -28.4
fwAVG=2.40
sdW=87.0
fwW=2.35
sdS=329.3
fwS=2.38
0 0 0 0 0 0 0 0 0

sdN=52.1
fwN=0.00
sdE=48.8
fwE=0.00
20180409T112701.0001.fits
SecZ=1.31
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.3 18.5 18.8
ALT/AZ=49.9 -42.3
sdW=20.1
fwW=1.90
sdS=76.5
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=12.1
fwN=0.00
sdE=21.6
20180409T112739.0001.fits
SecZ=1.04
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.2 18.3 18.8
ALT/AZ=73.8 -146.9
sdW=22.6
fwE=0.00
fwW=1.22
sdS=113.3
fwS=0.00
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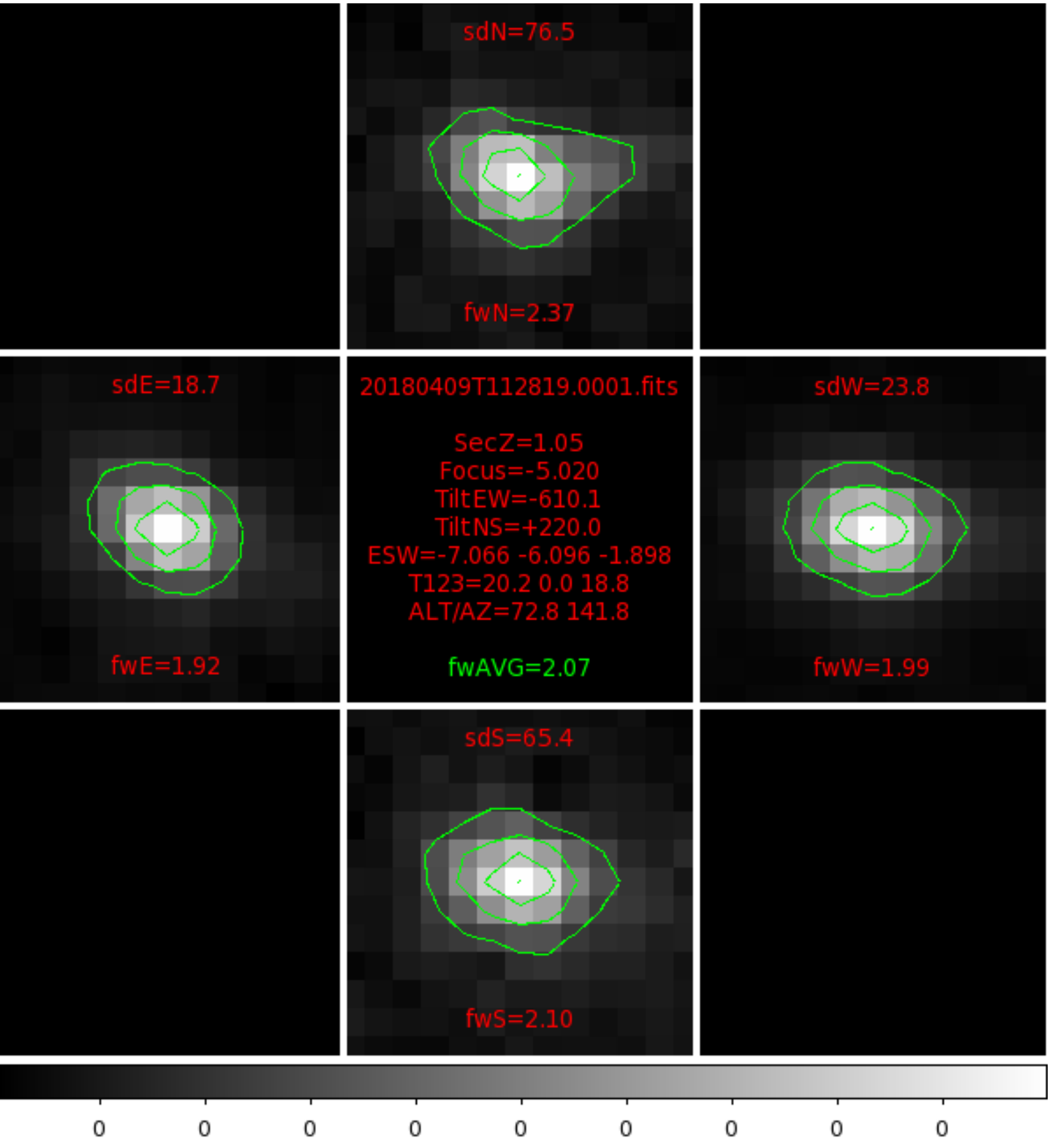
sdN=76.5
fwN=2.37
sdE=18.7
fwE=1.92
20180409T112819.0001.fits
SecZ=1.05
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.2 0.0 18.8
ALT/AZ=72.8 141.8
fwAVG=2.07
sdW=23.8
fwW=1.99
sdS=65.4
fwS=2.10
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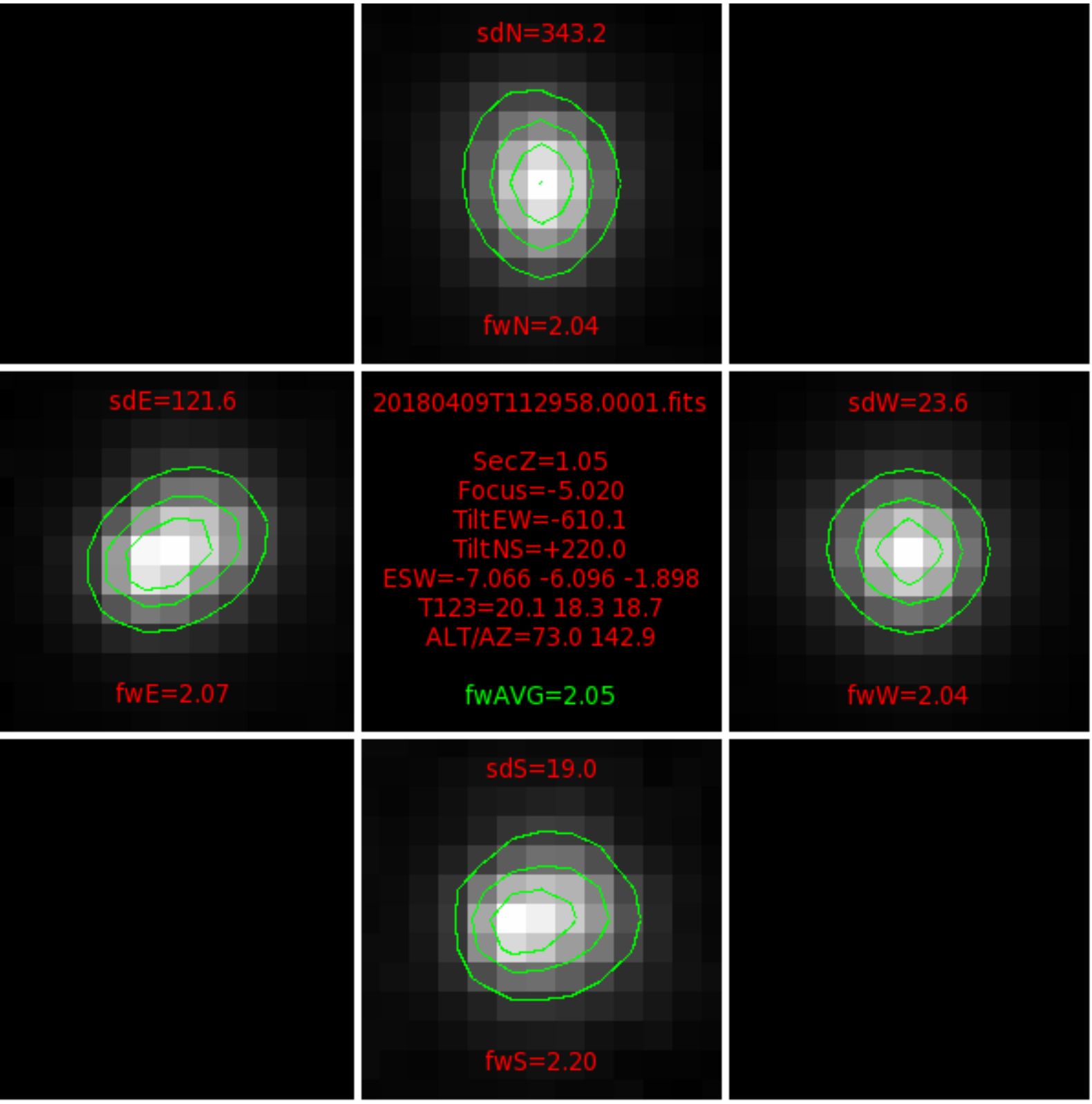
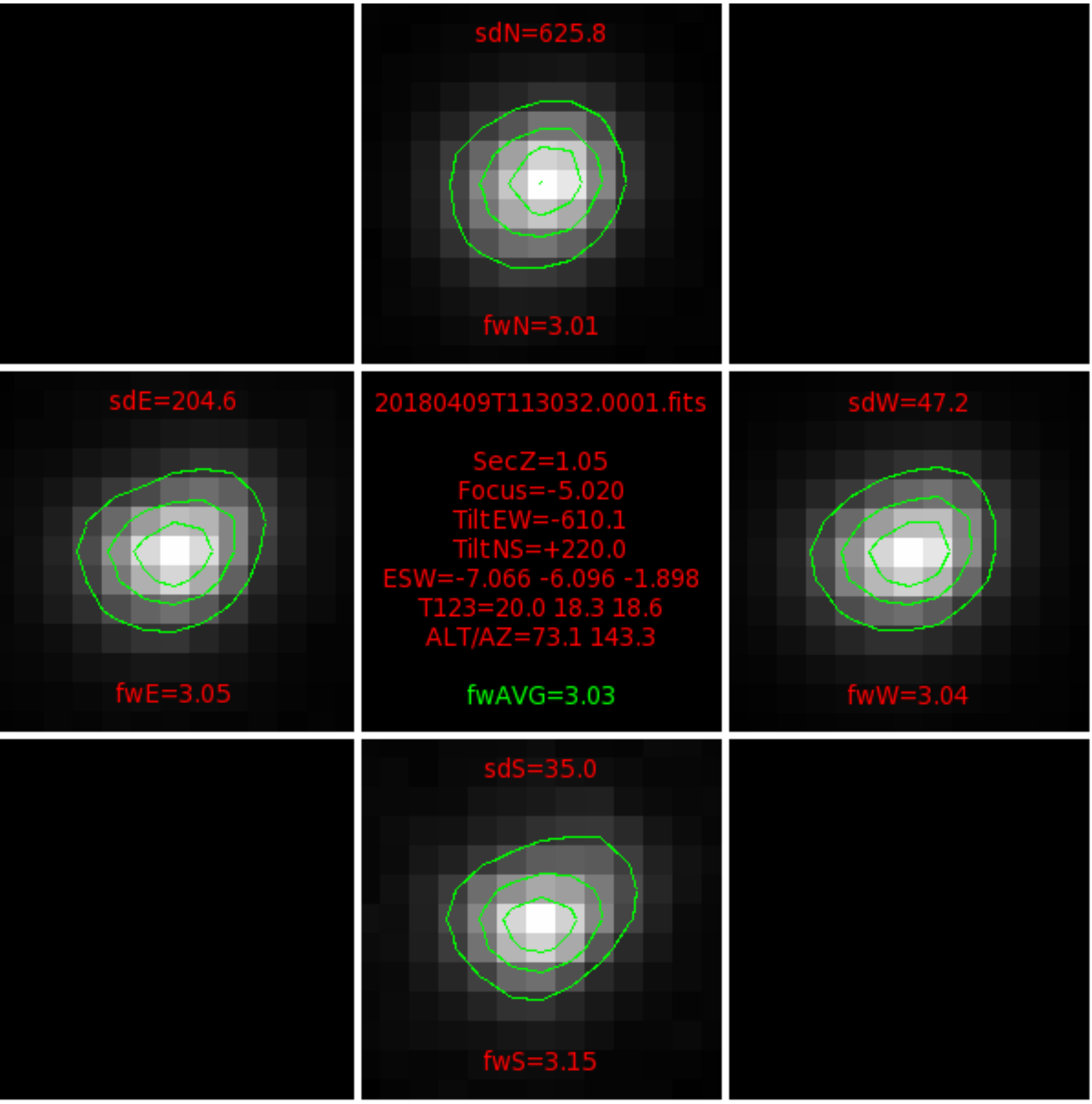
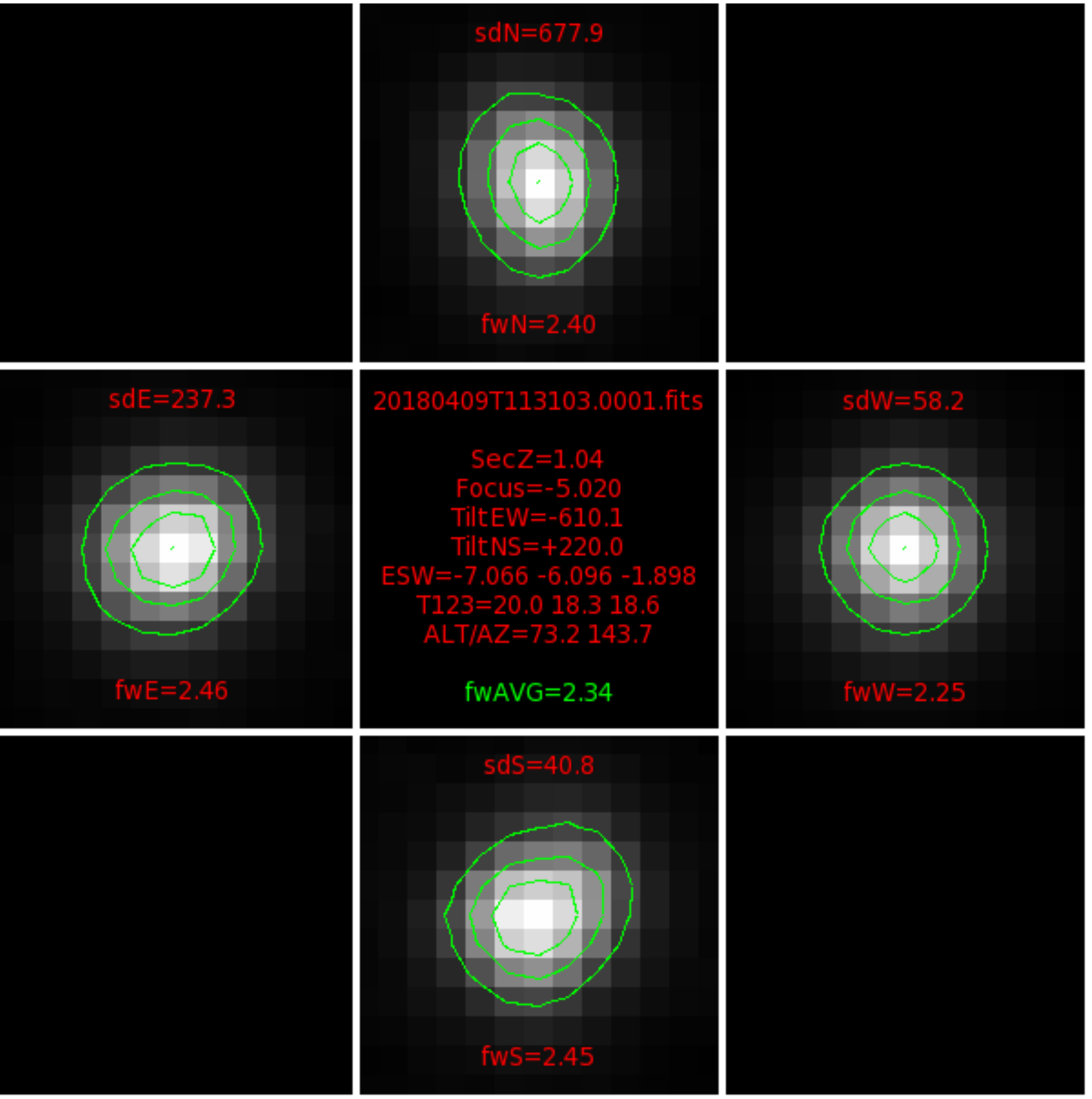

sdN=343.2
fwN=2.04
sdE=121.6
fwE=2.07
20180409T112958.0001.fits
SecZ=1.05
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.1 18.3 18.7
ALT/AZ=73.0 142.9
fwAVG=2.05
sdW=23.6
fwW=2.04
sdS=19.0
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=625.8
fwN=3.01
sdE=204.6
fwE=3.05
20180409T113032.0001.fits
SecZ=1.05
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.0 18.3 18.6
ALT/AZ=73.1 143.3
fwAVG=3.03
sdW=47.2
fwW=3.04
sdS=35.0
fwS=3.15
0 0 0 0 0 0 0 0 0


sdN=677.9
fwN=2.40
sdE=237.3
fwE=2.46
20180409T113103.0001.fits
SecZ=1.04
Focus=-5.020
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.066 -6.096 -1.898
T123=20.0 18.3 18.6
ALT/AZ=73.2 143.7
fwAVG=2.34
sdW=58.2
fwW=2.25
sdS=40.8
fwS=2.45
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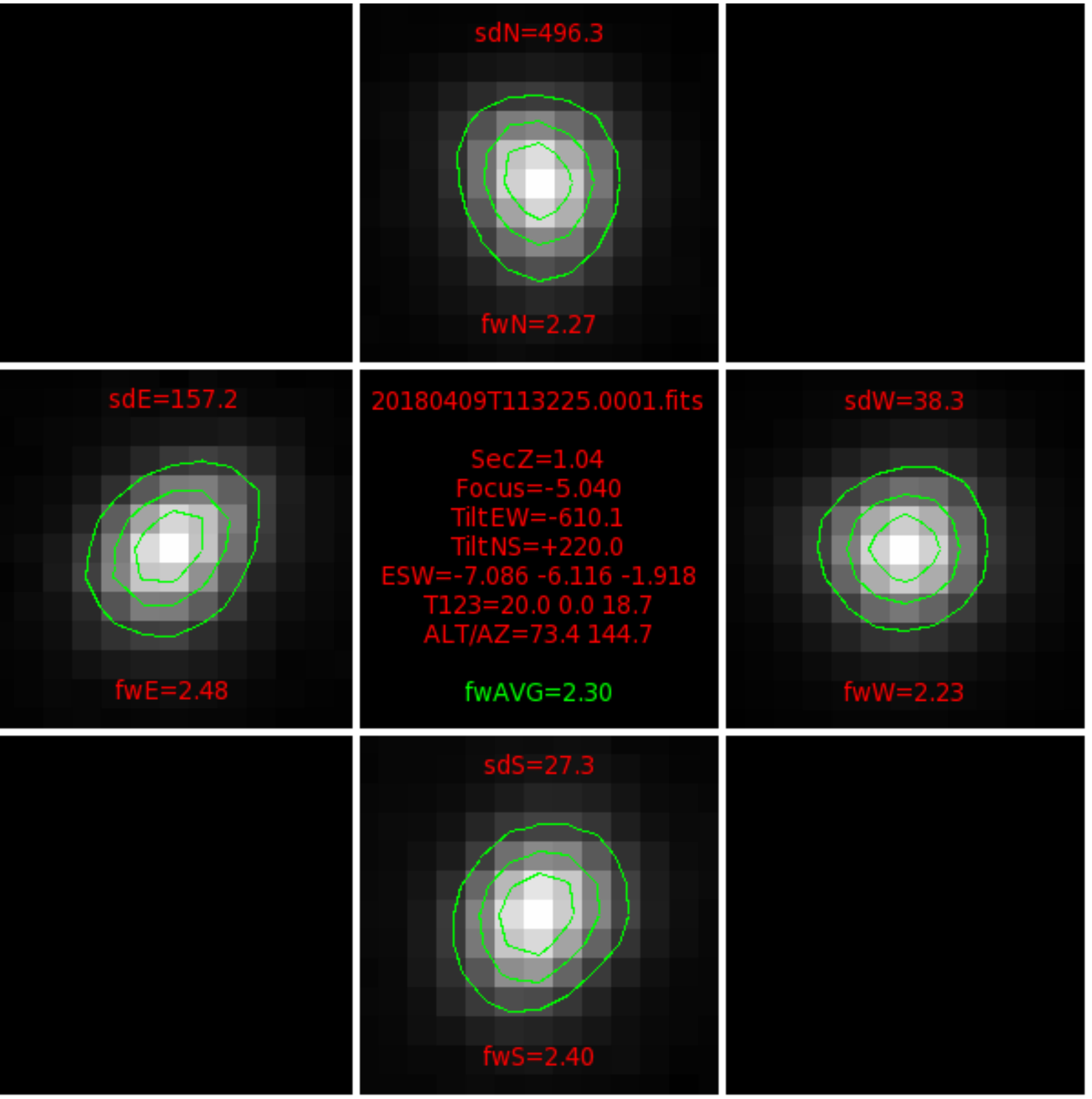
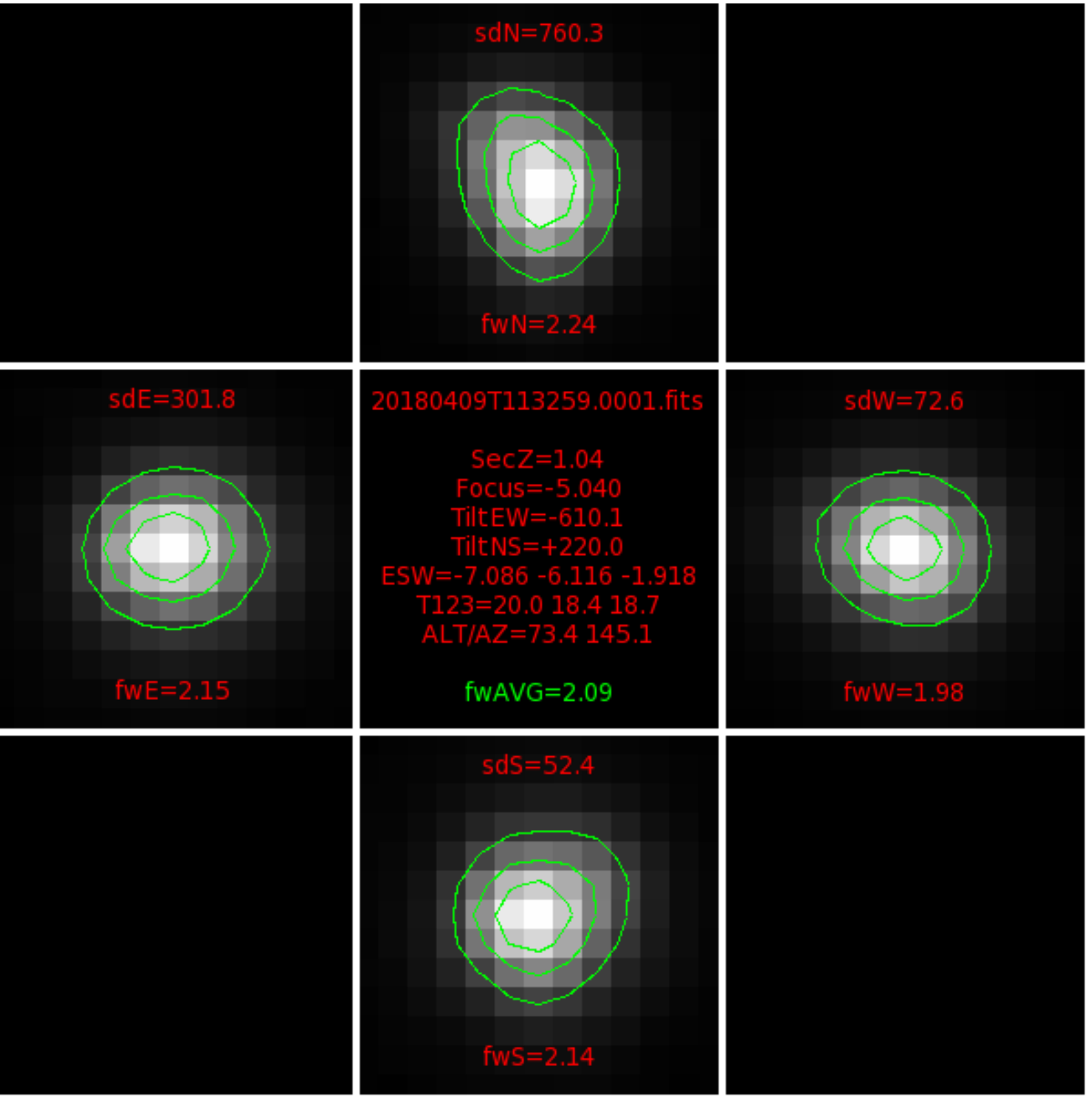
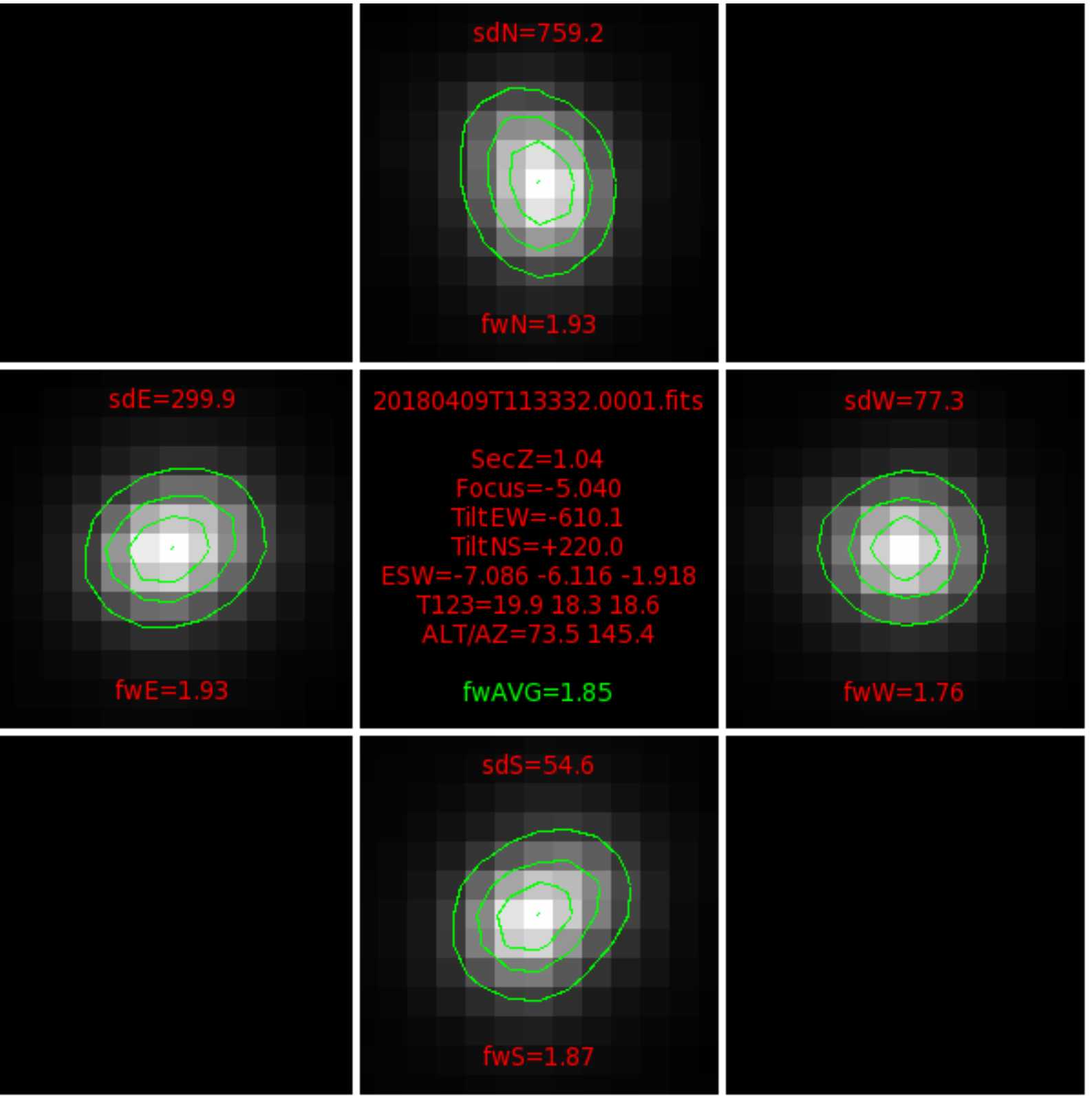

sdN=496.3
fwN=2.27
sdE=157.2
fwE=2.48
20180409T113225.0001.fits
SecZ=1.04
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.0 0.0 18.7
ALT/AZ=73.4 144.7
fwAVG=2.30
sdW=38.3
fwW=2.23
sdS=27.3
fwS=2.40
0 0 0 0 0 0 0 0 0


sdN=760.3
fwN=2.24
sdE=301.8
fwE=2.15
20180409T113259.0001.fits
SecZ=1.04
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.0 18.4 18.7
ALT/AZ=73.4 145.1
fwAVG=2.09
sdW=72.6
fwW=1.98
sdS=52.4
fwS=2.14
0 0 0 0 0 0 0 0 0


sdN=759.2
fwN=1.93
sdE=299.9
fwE=1.93
20180409T113332.0001.fits
SecZ=1.04
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=19.9 18.3 18.6
ALT/AZ=73.5 145.4
fwAVG=1.85
sdW=77.3
fwW=1.76
sdS=54.6
fwS=1.87
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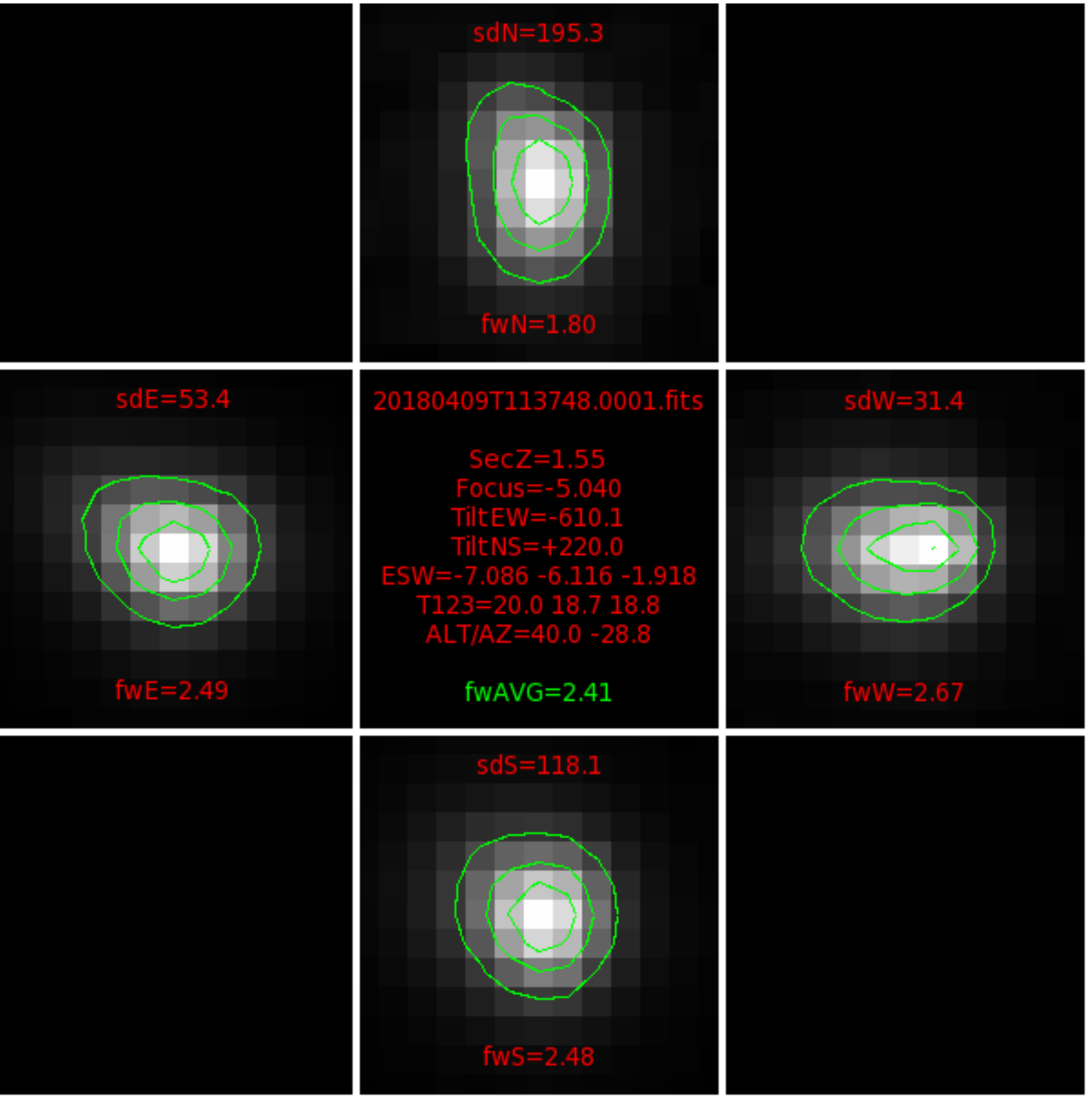
sdN=195.3
fwN=1.80
sdE=53.4
fwE=2.49
20180409T113748.0001.fits
SecZ=1.55
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.0 18.7 18.8
ALT/AZ=40.0 -28.8
fwAVG=2.41
sdW=31.4
fwW=2.67
sdS=118.1
fwS=2.48
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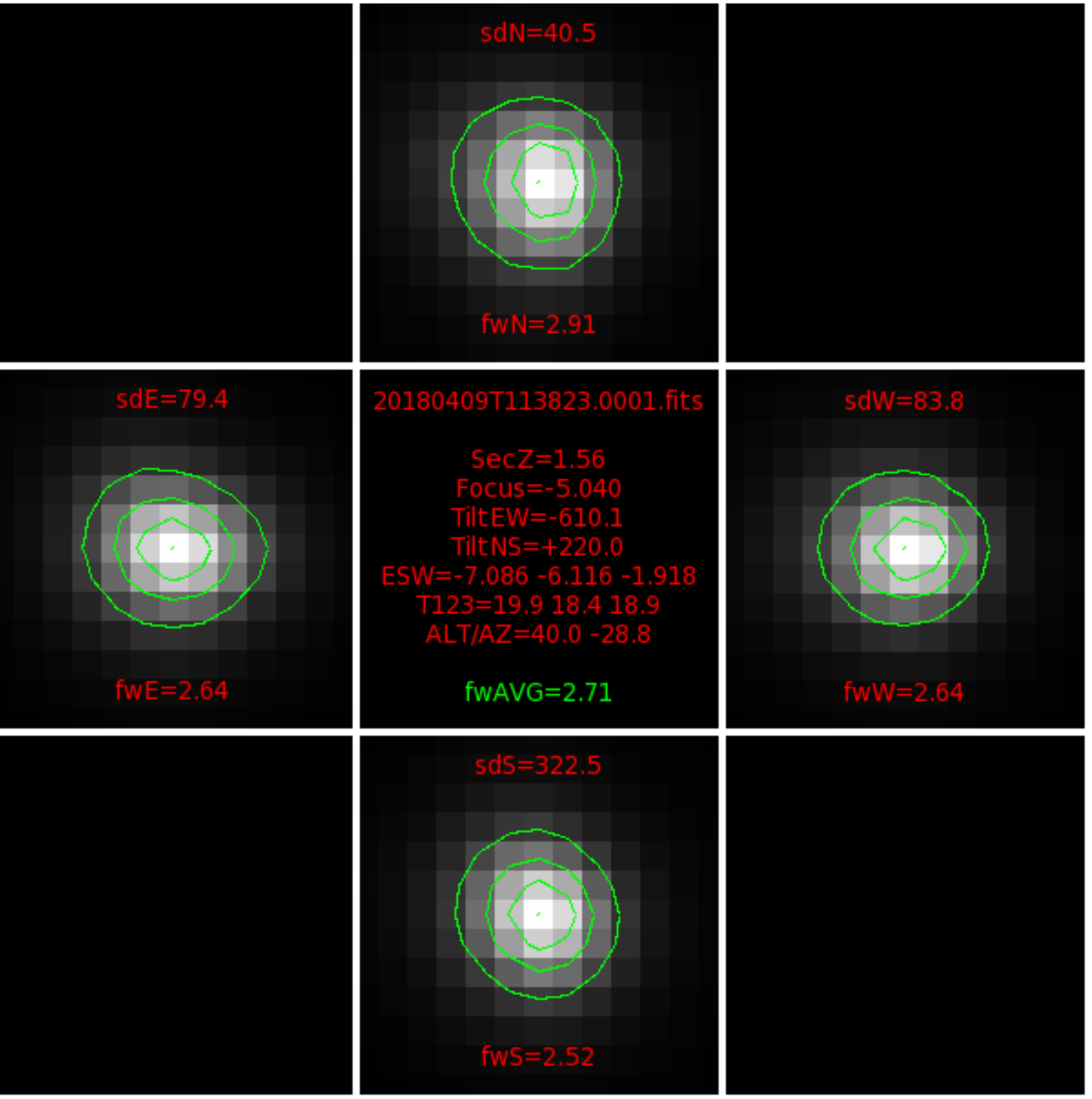
sdN=40.5
fwN=2.91
sdE=79.4
fwE=2.64
20180409T113823.0001.fits
SecZ=1.56
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=19.9 18.4 18.9
ALT/AZ=40.0 -28.8
fwAVG=2.71
sdW=83.8
fwW=2.64
sdS=322.5
fwS=2.52
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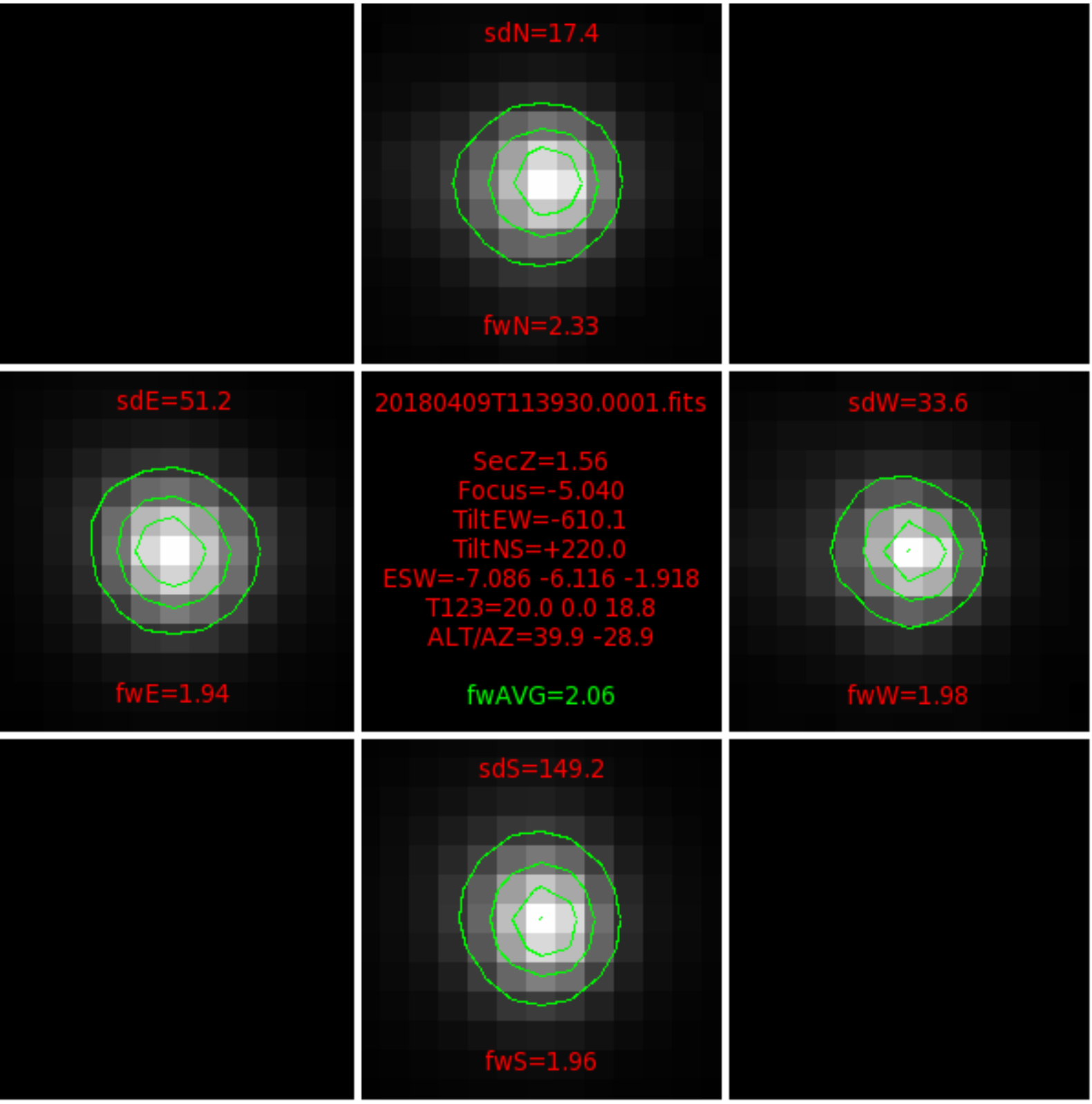
sdN=17.4
fwN=2.33
sdE=51.2
fwE=1.94
20180409T113930.0001.fits
SecZ=1.56
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.0 0.0 18.8
ALT/AZ=39.9 -28.9
fwAVG=2.06
sdW=33.6
fwW=1.98
sdS=149.2
fwS=1.96
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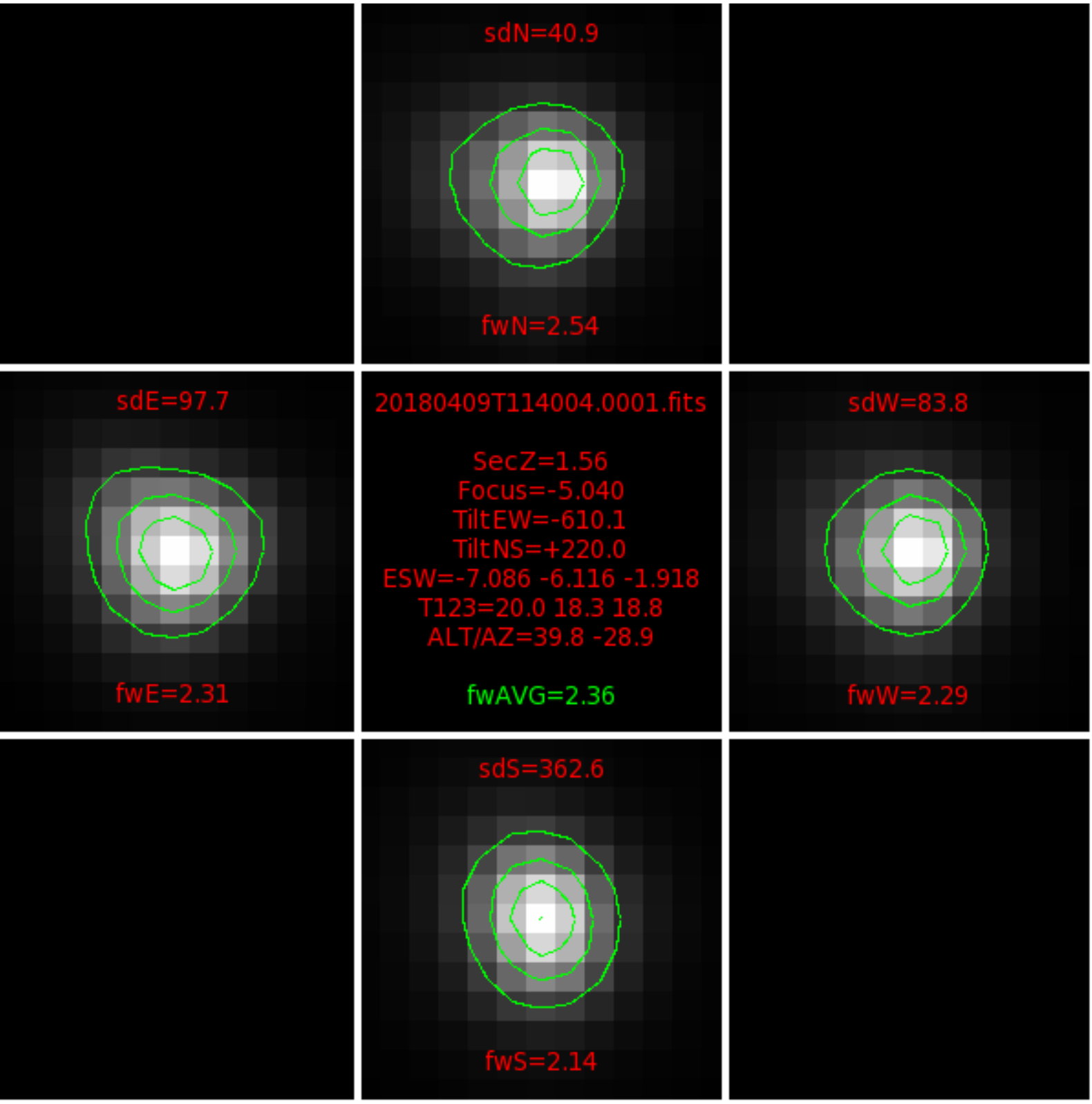
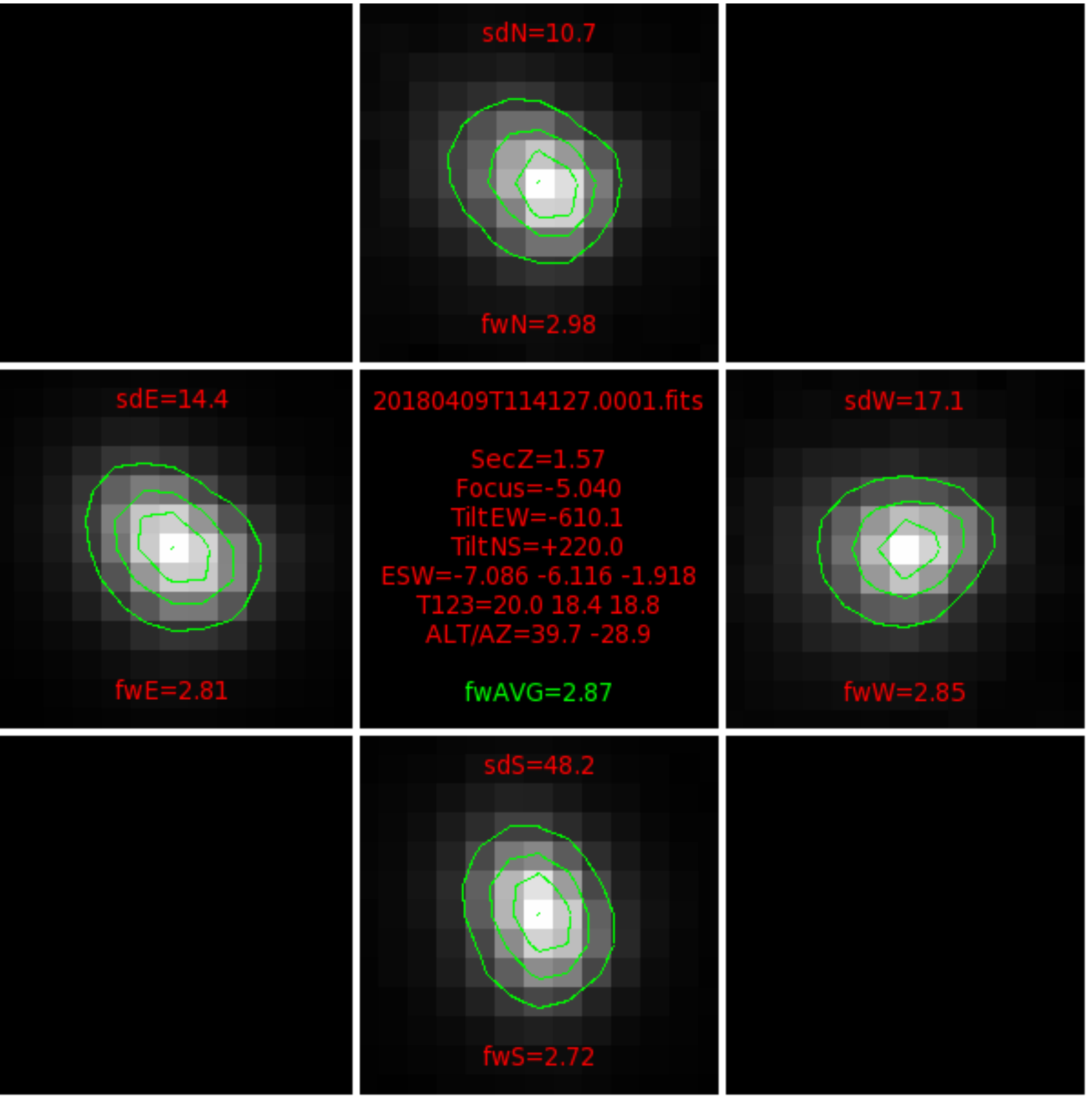

sdN=40.9
fwN=2.54
sdE=97.7
fwE=2.31
20180409T114004.0001.fits
SecZ=1.56
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.0 18.3 18.8
ALT/AZ=39.8 -28.9
fwAVG=2.36
sdW=83.8
fwW=2.29
sdS=362.6
fwS=2.14
0 0 0 0 0 0 0 0 0


sdN=10.7
fwN=2.98
sdE=14.4
fwE=2.81
20180409T114127.0001.fits
SecZ=1.57
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.0 18.4 18.8
ALT/AZ=39.7 -28.9
fwAVG=2.87
sdW=17.1
fwW=2.85
sdS=48.2
fwS=2.72
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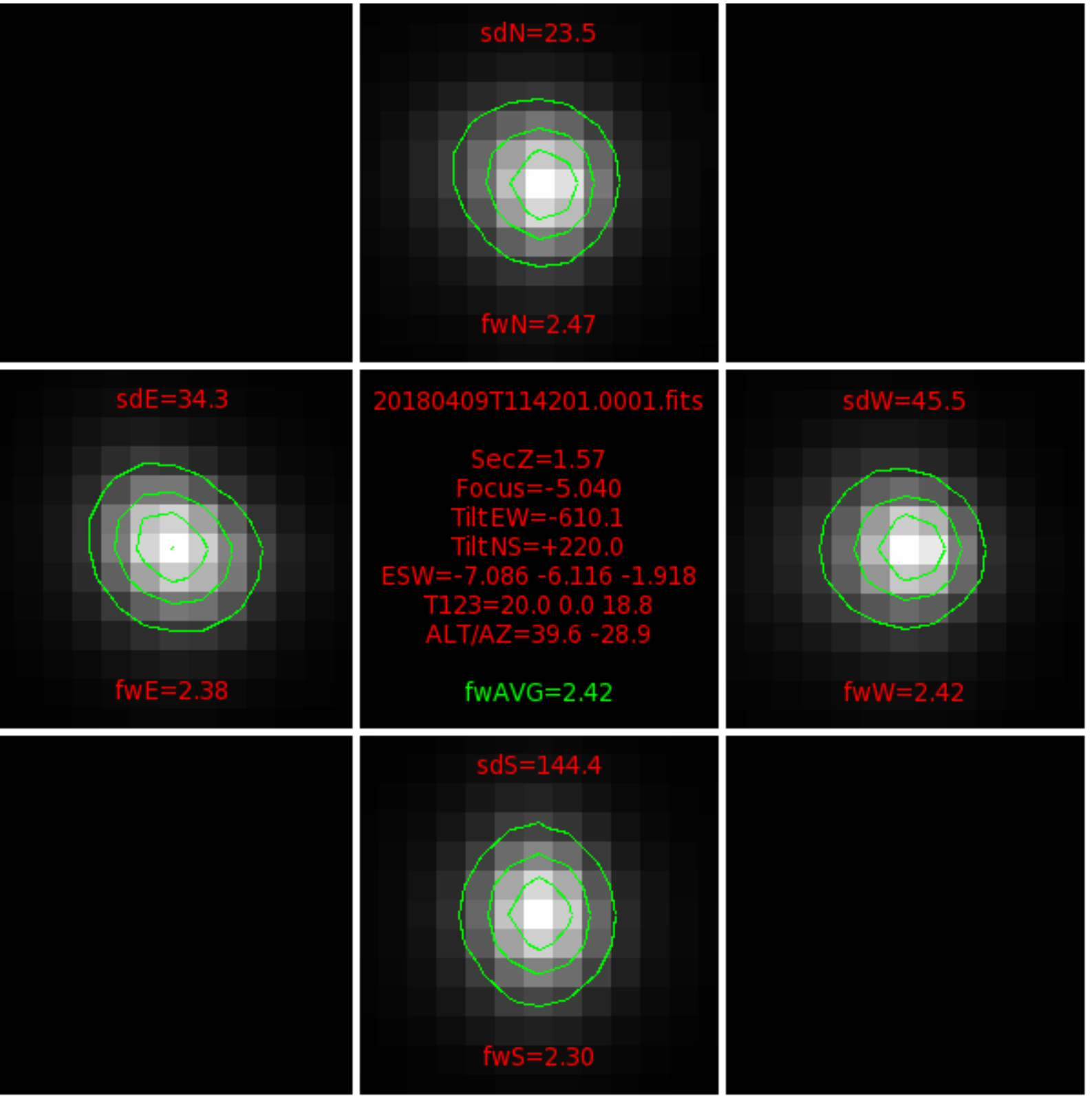
sdN=23.5
fwN=2.47
sdE=34.3
fwE=2.38
20180409T114201.0001.fits
SecZ=1.57
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.0 0.0 18.8
ALT/AZ=39.6 -28.9
fwAVG=2.42
sdW=45.5
fwW=2.42
sdS=144.4
fwS=2.30
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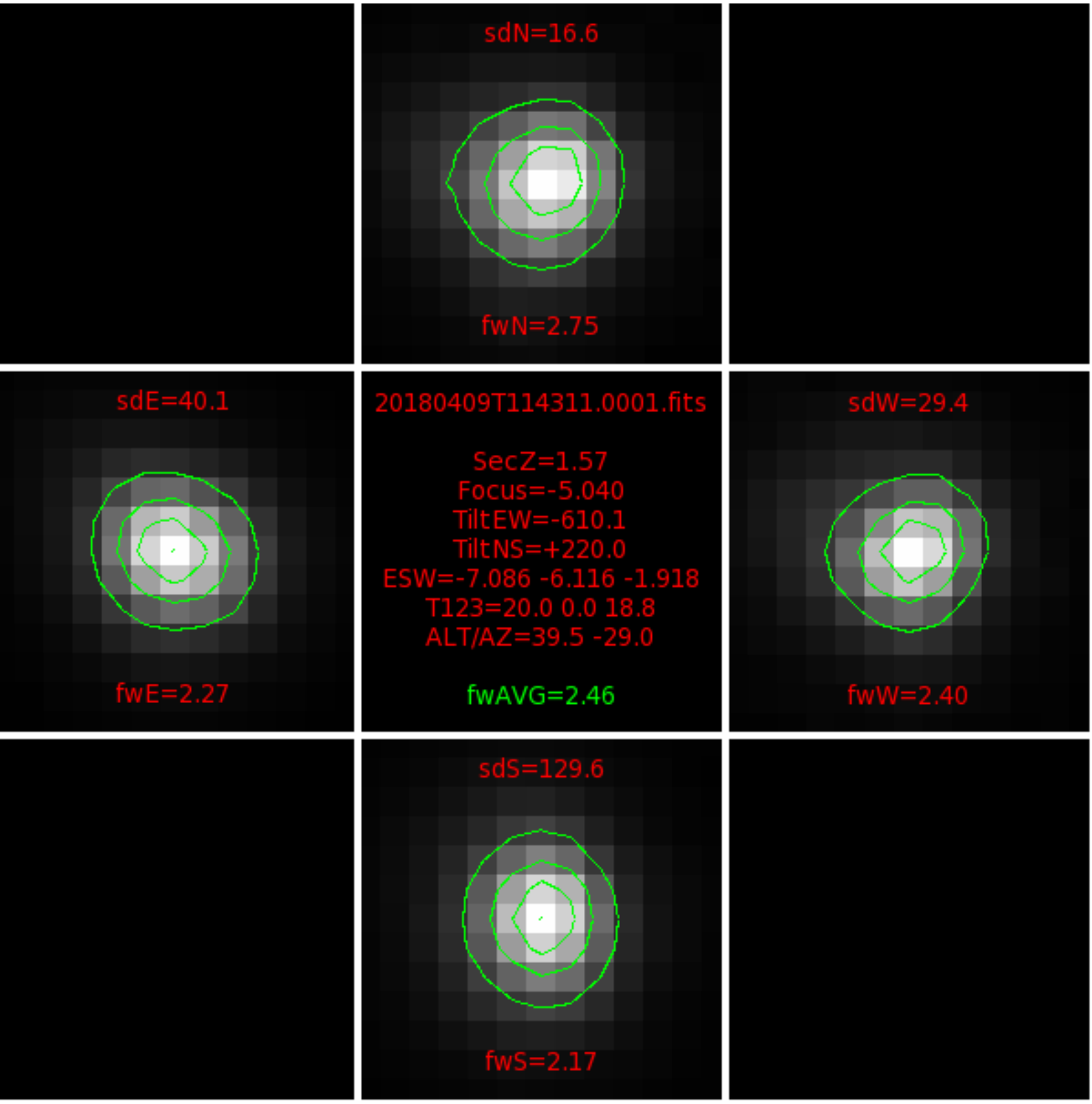
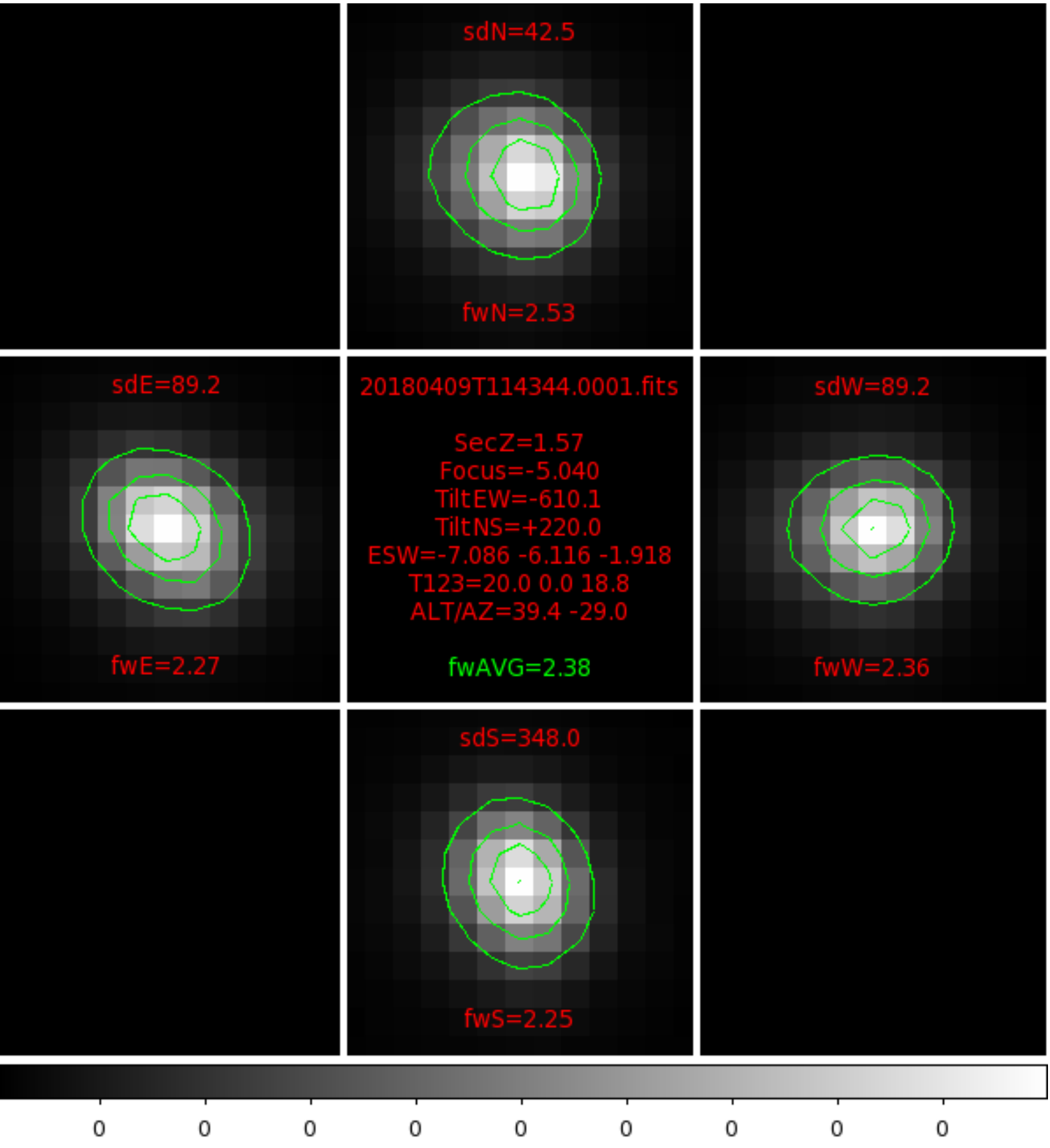
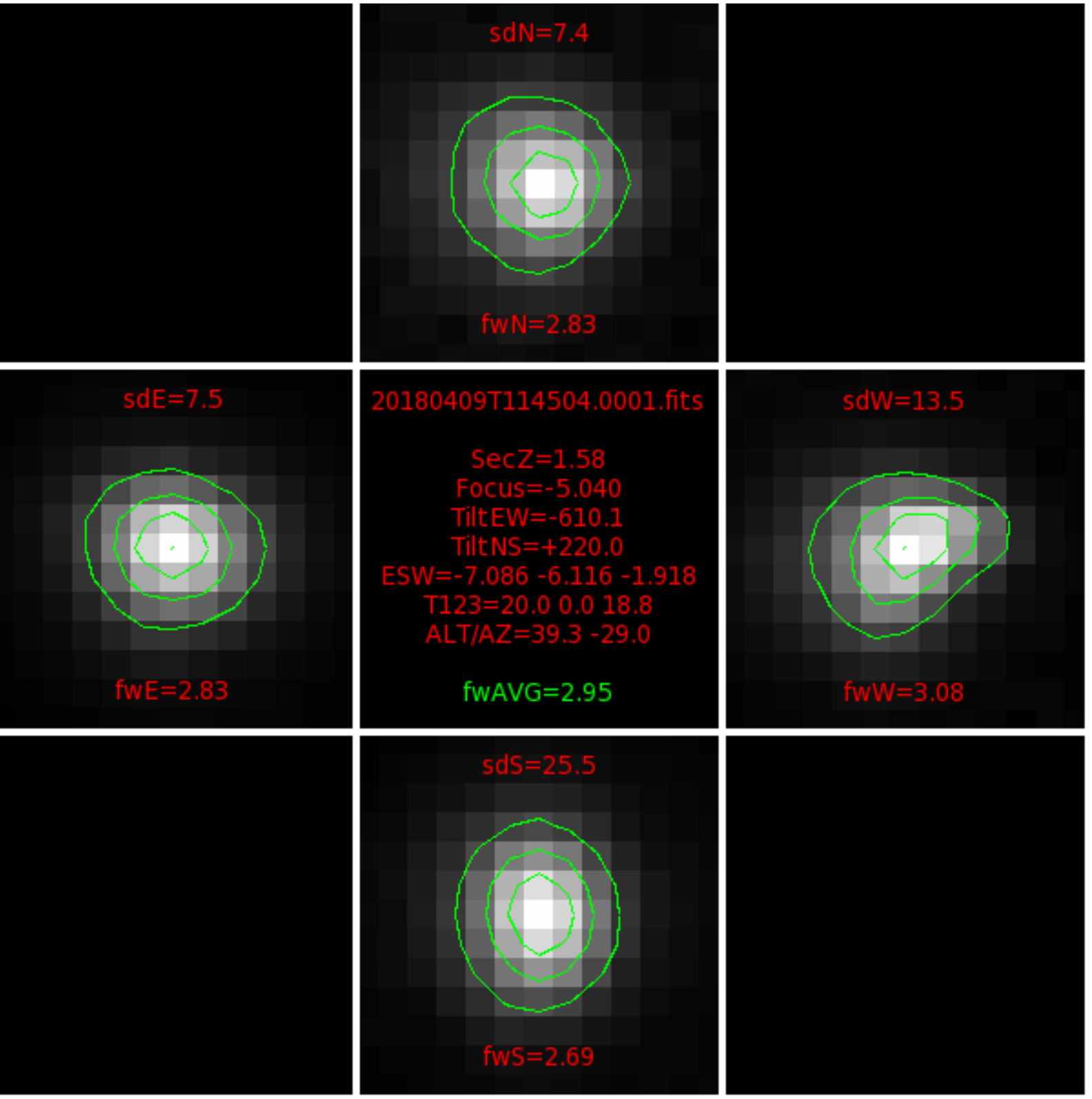
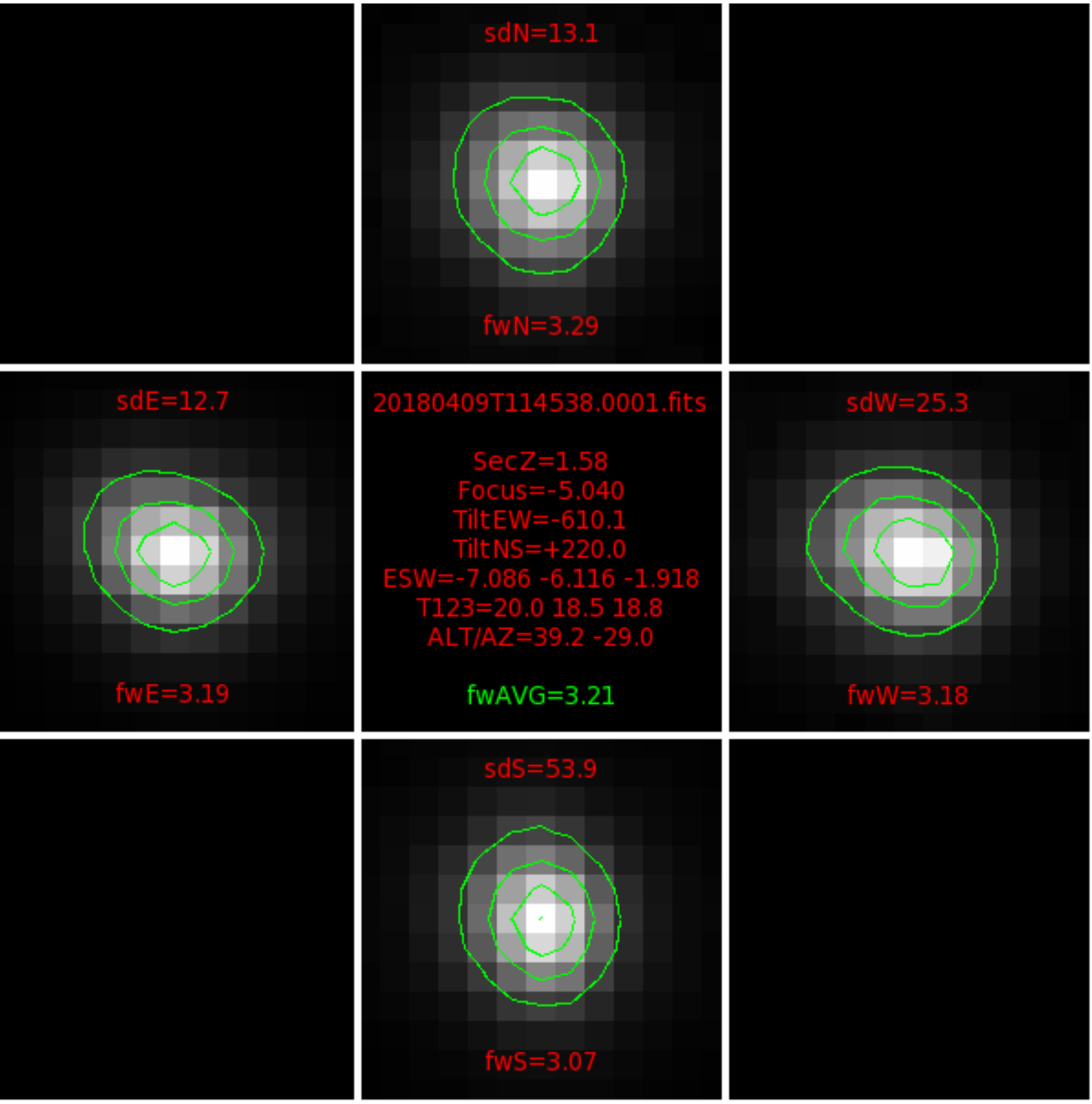

sdN=16.6
fwN=2.75
sdE=40.1
fwE=2.27
20180409T114311.0001.fits
SecZ=1.57
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.0 0.0 18.8
ALT/AZ=39.5 -29.0
fwAVG=2.46
sdW=29.4
fwW=2.40
sdS=129.6
fwS=2.17
0 0 0 0 0 0 0 0 0


sdN=42.5
fwN=2.53
sdE=89.2
fwE=2.27
20180409T114344.0001.fits
SecZ=1.57
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.0 0.0 18.8
ALT/AZ=39.4 -29.0
fwAVG=2.38
sdW=89.2
fwW=2.36
sdS=348.0
fwS=2.25
0 0 0 0 0 0 0 0 0


sdN=7.4
fwN=2.83
sdE=7.5
fwE=2.83
20180409T114504.0001.fits
SecZ=1.58
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.0 0.0 18.8
ALT/AZ=39.3 -29.0
fwAVG=2.95
sdW=13.5
fwW=3.08
sdS=25.5
fwS=2.69
0 0 0 0 0 0 0 0 0


sdN=13.1
fwN=3.29
sdE=12.7
fwE=3.19
20180409T114538.0001.fits
SecZ=1.58
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.0 18.5 18.8
ALT/AZ=39.2 -29.0
fwAVG=3.21
sdW=25.3
fwW=3.18
sdS=53.9
fwS=3.07
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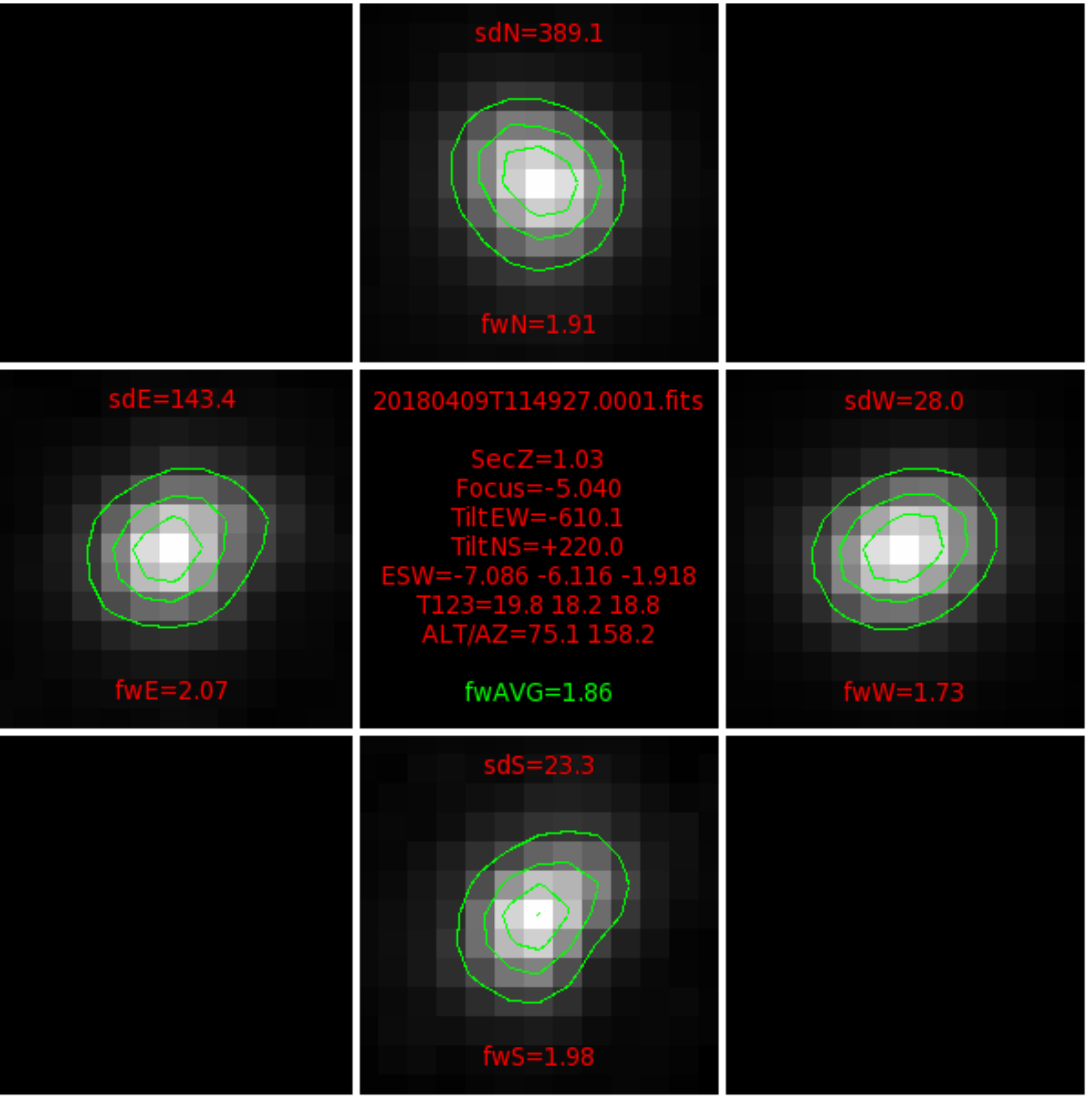
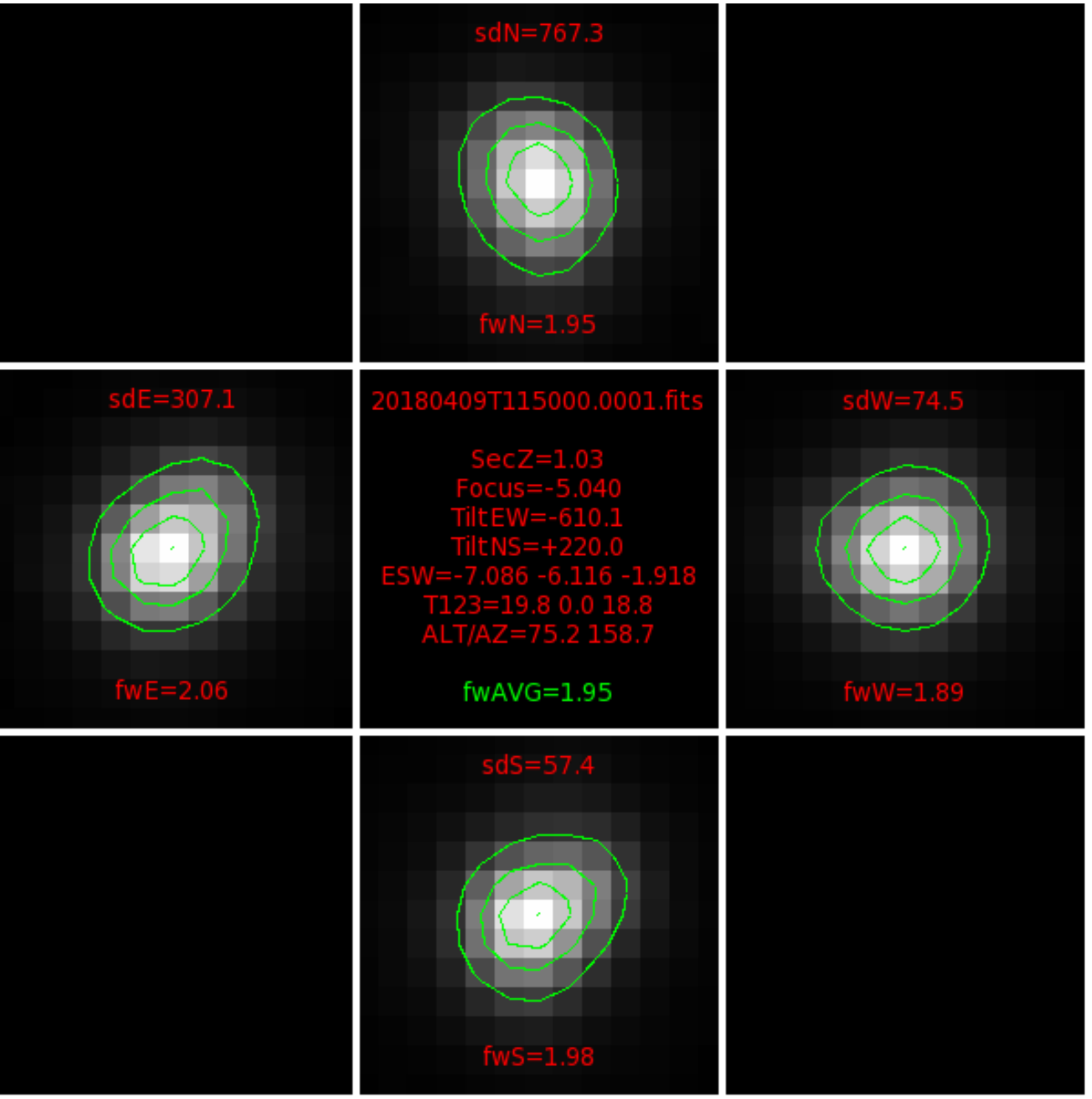
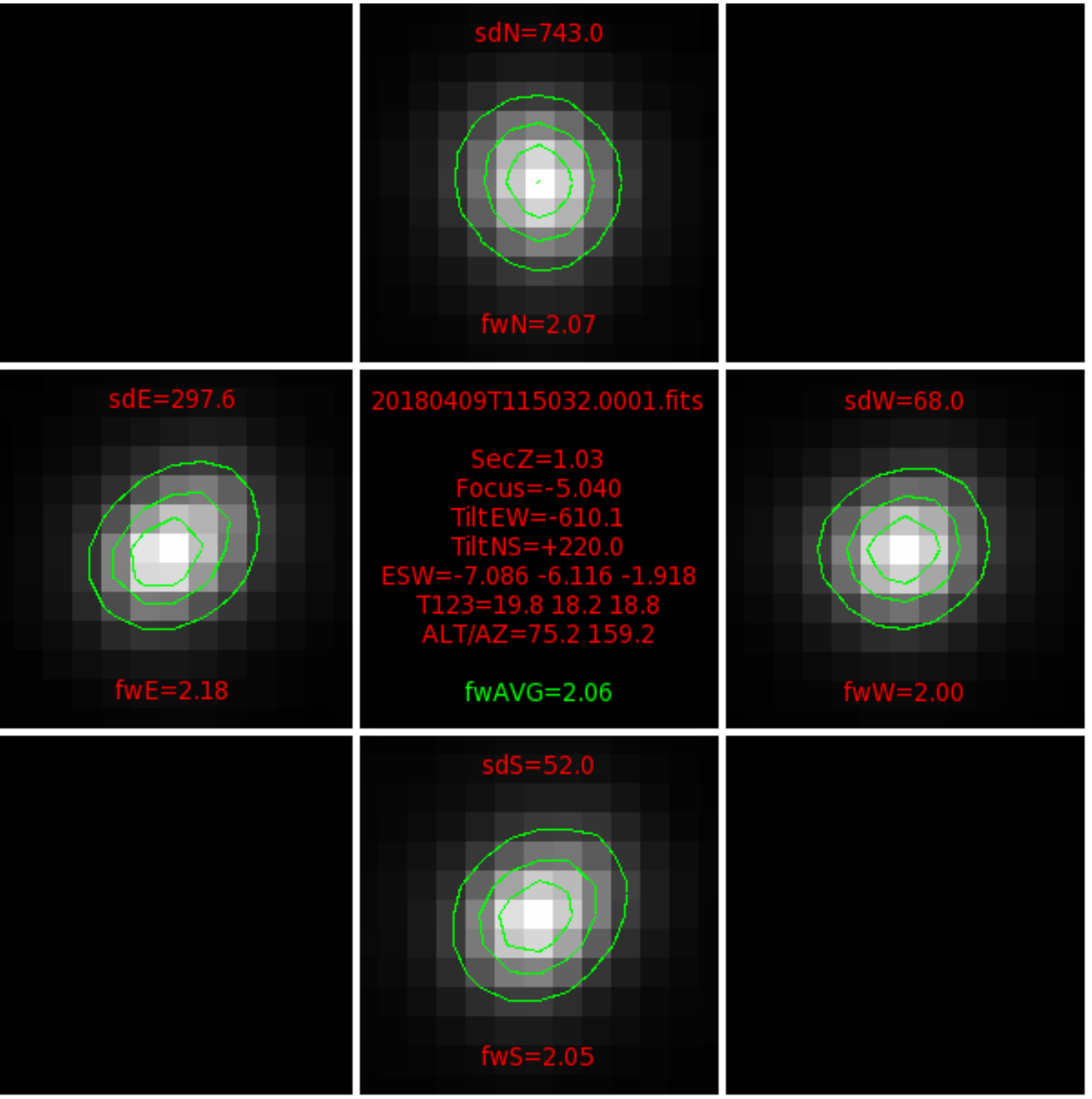
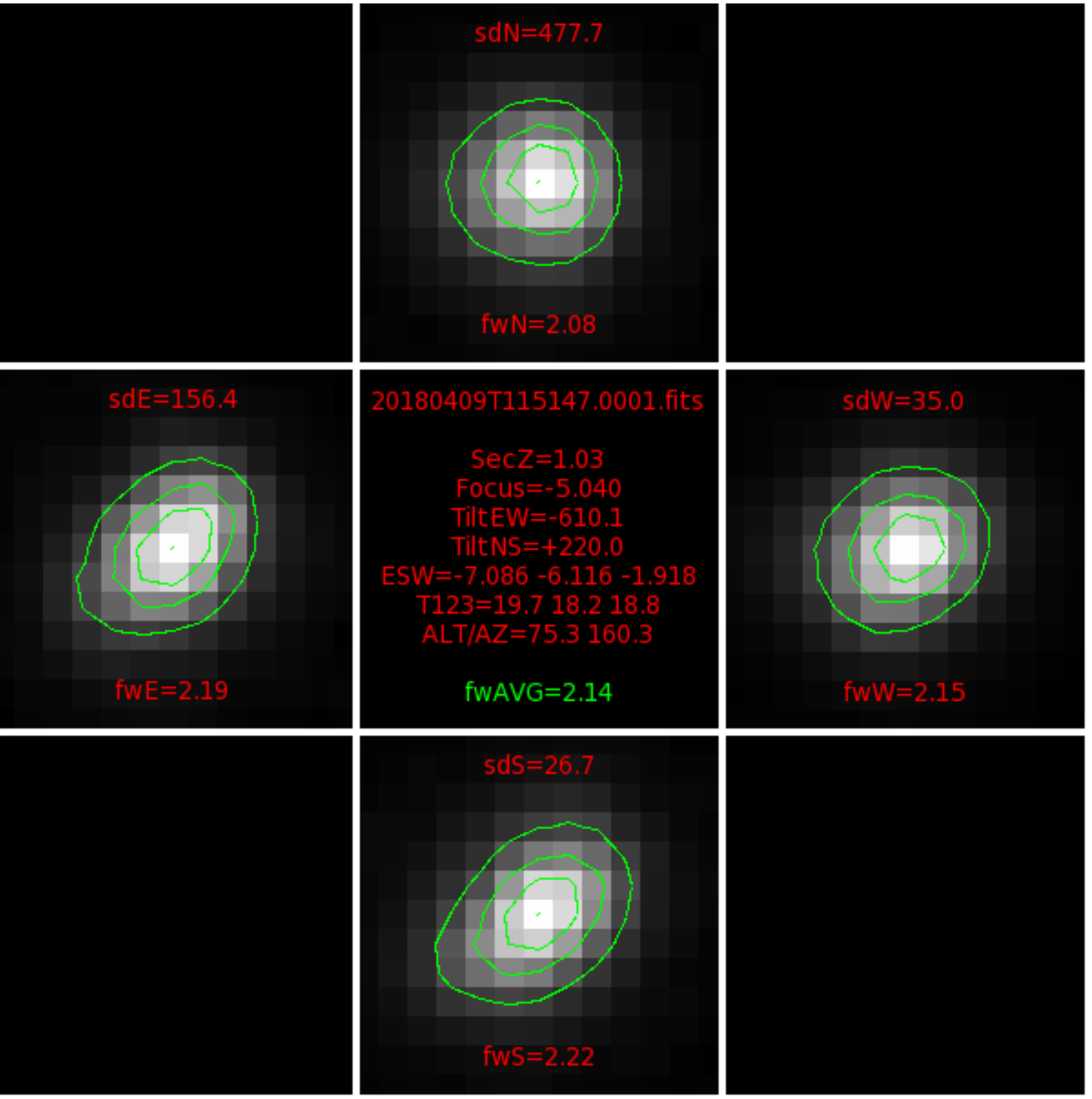

sdN=389.1
fwN=1.91
sdE=143.4
fwE=2.07
20180409T114927.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=19.8 18.2 18.8
ALT/AZ=75.1 158.2
fwAVG=1.86
sdW=28.0
fwW=1.73
sdS=23.3
fwS=1.98
0 0 0 0 0 0 0 0 0


sdN=767.3
fwN=1.95
sdE=307.1
fwE=2.06
20180409T115000.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=19.8 0.0 18.8
ALT/AZ=75.2 158.7
fwAVG=1.95
sdW=74.5
fwW=1.89
sdS=57.4
fwS=1.98
0 0 0 0 0 0 0 0 0


sdN=743.0
fwN=2.07
sdE=297.6
fwE=2.18
20180409T115032.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=19.8 18.2 18.8
ALT/AZ=75.2 159.2
fwAVG=2.06
sdW=68.0
fwW=2.00
sdS=52.0
fwS=2.05
0 0 0 0 0 0 0 0 0


sdN=477.7
fwN=2.08
sdE=156.4
fwE=2.19
20180409T115147.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=19.7 18.2 18.8
ALT/AZ=75.3 160.3
fwAVG=2.14
sdW=35.0
fwW=2.15
sdS=26.7
fwS=2.22
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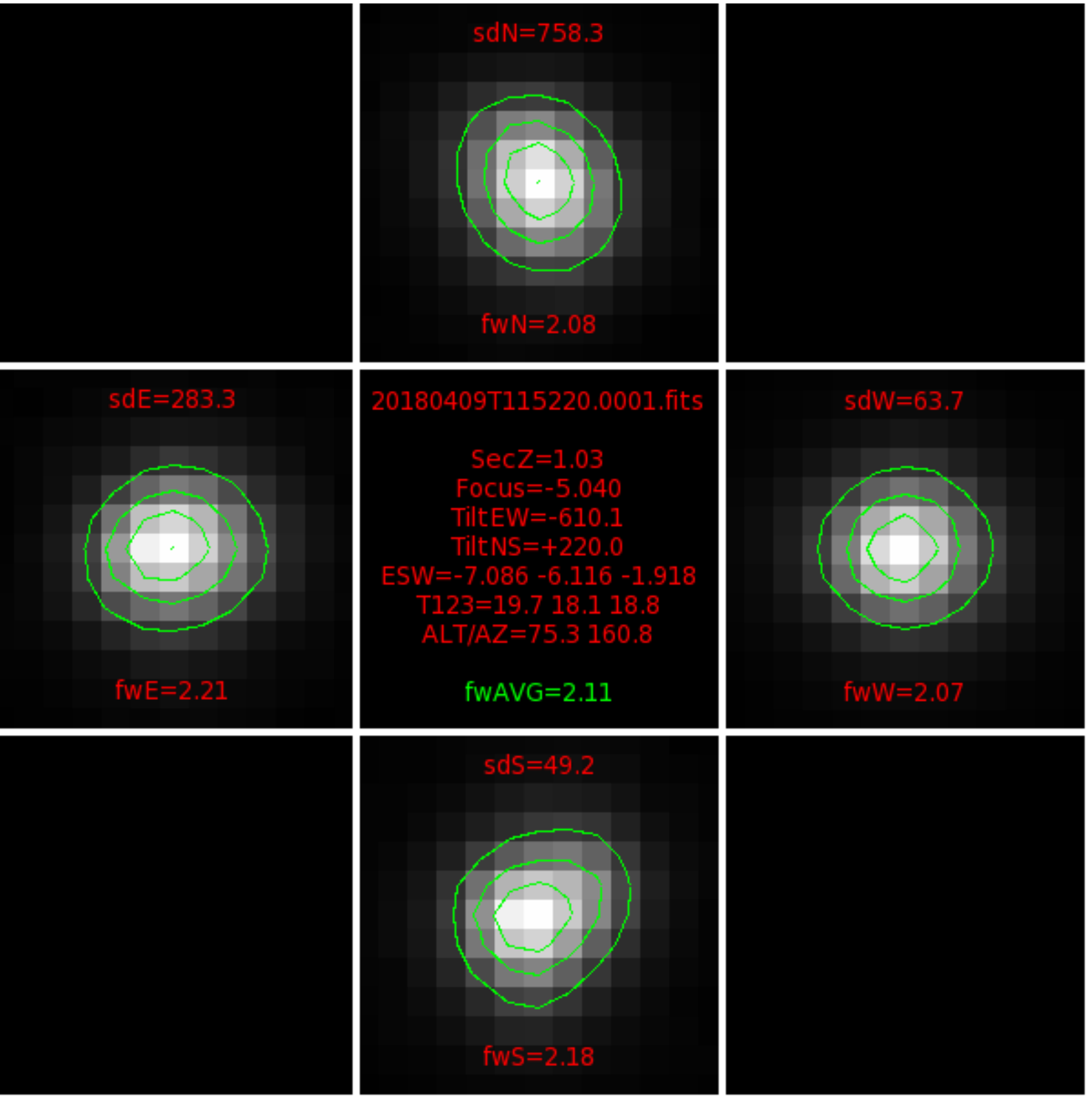
sdN=758.3
fwN=2.08
sdE=283.3
fwE=2.21
20180409T115220.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=19.7 18.1 18.8
ALT/AZ=75.3 160.8
fwAVG=2.11
sdW=63.7
fwW=2.07
sdS=49.2
fwS=2.18
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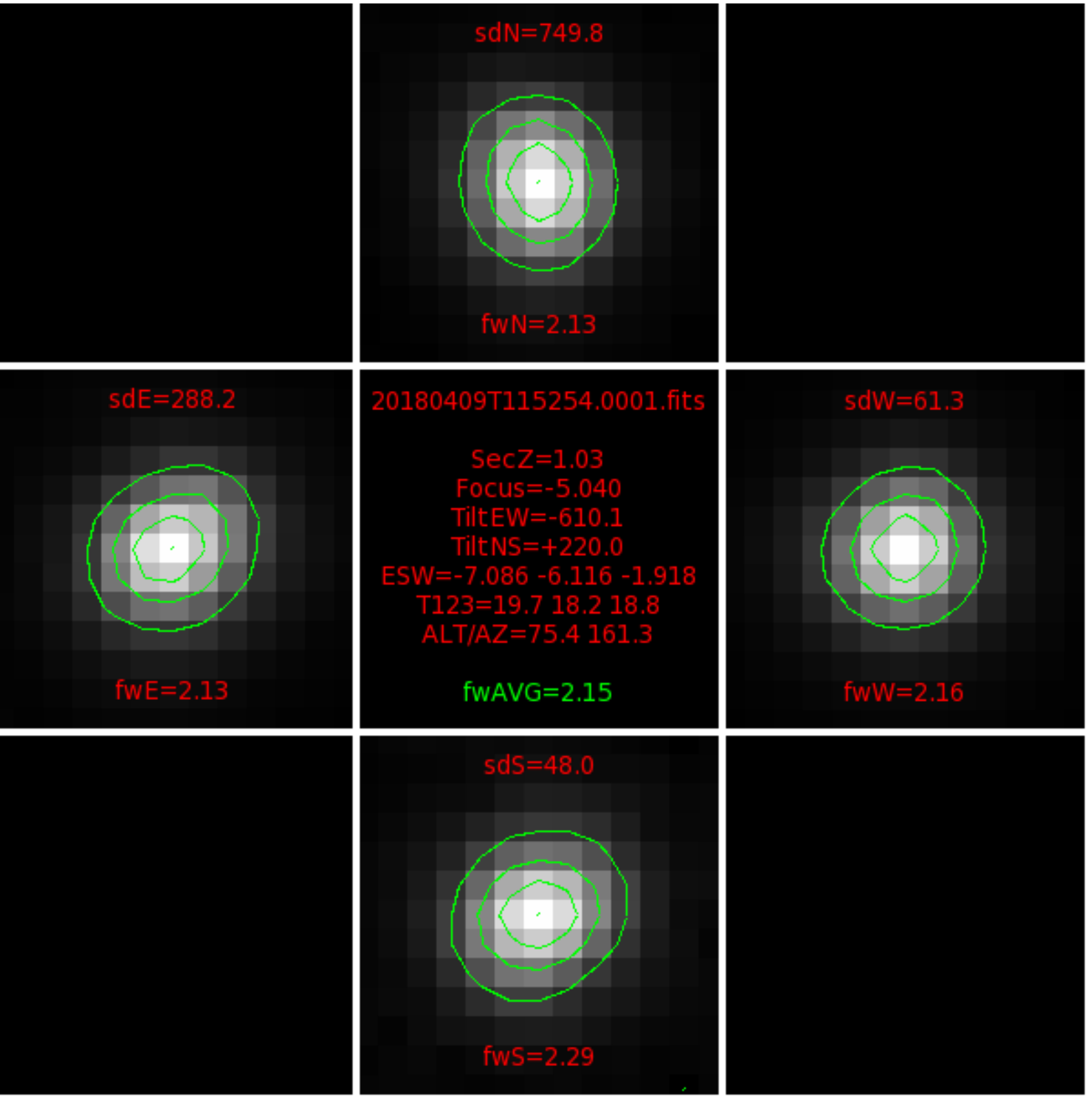
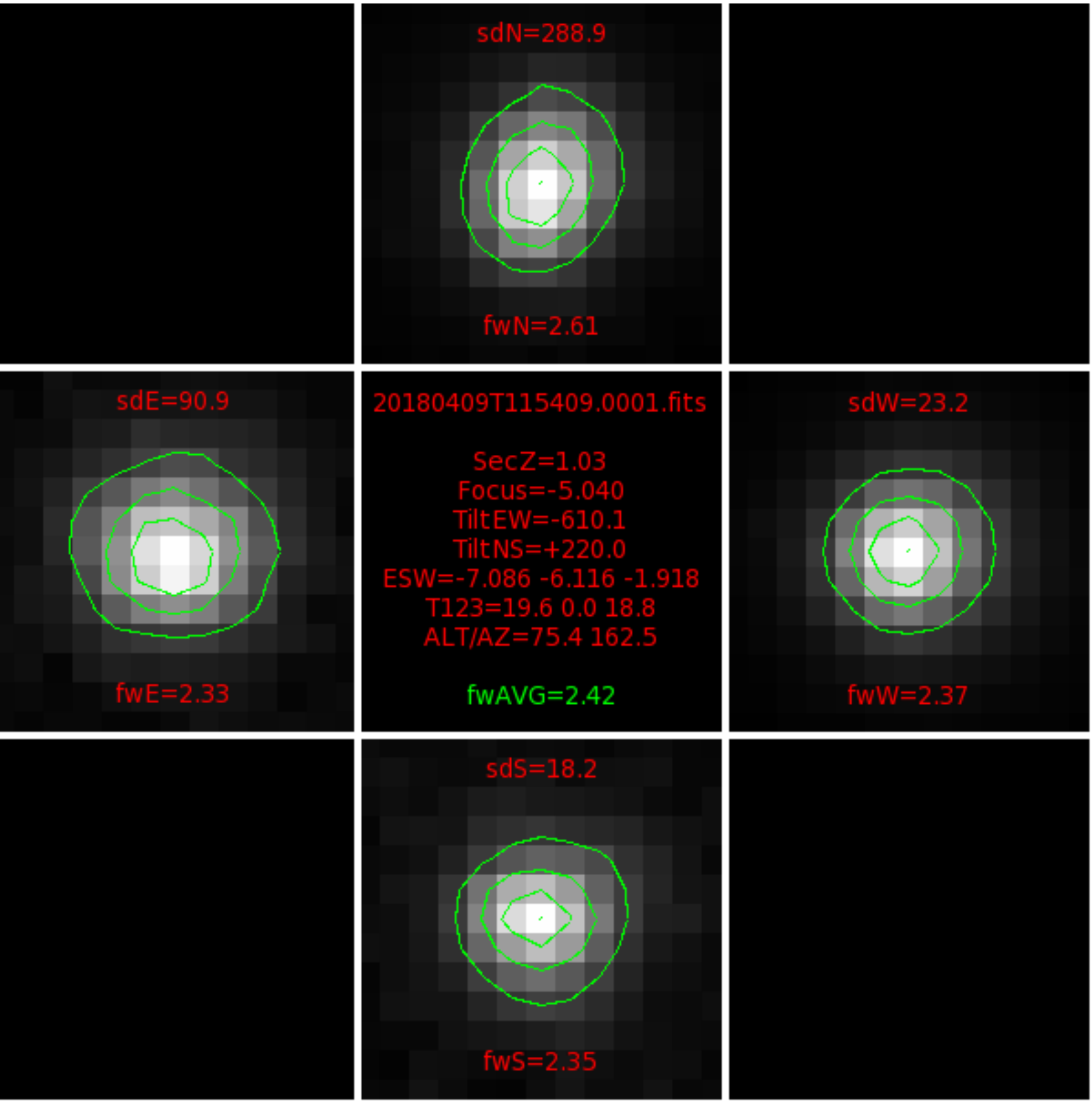
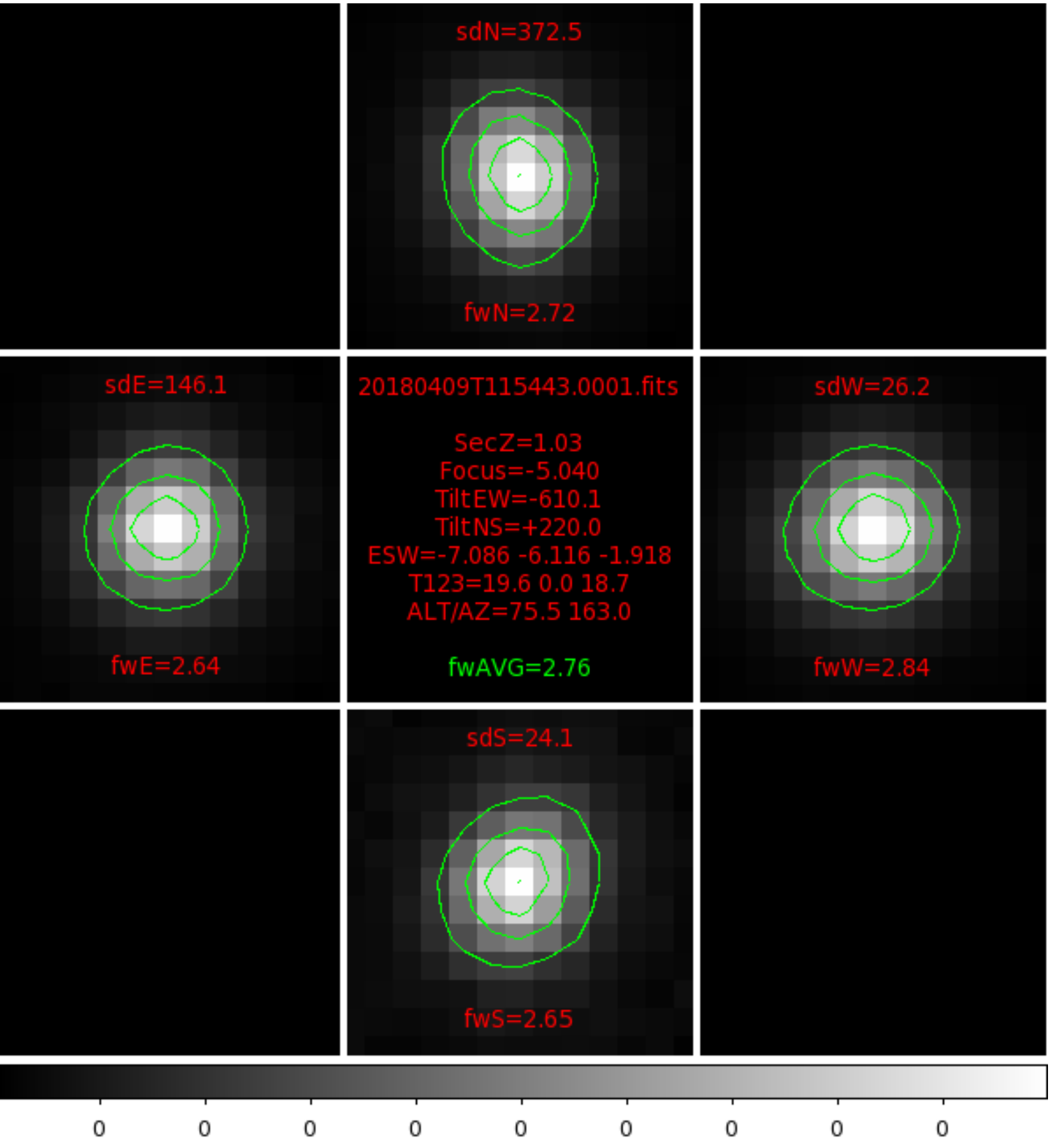
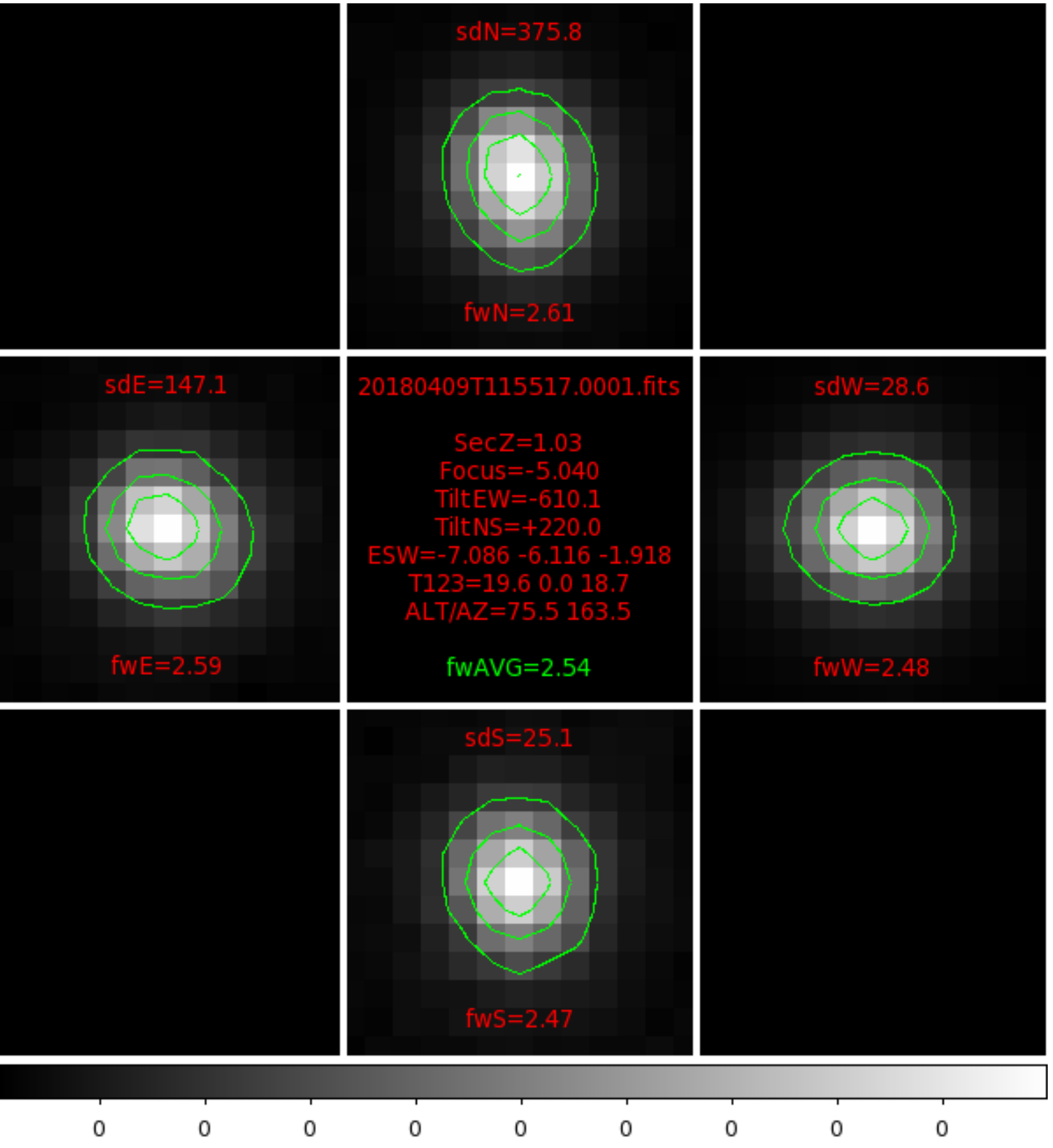
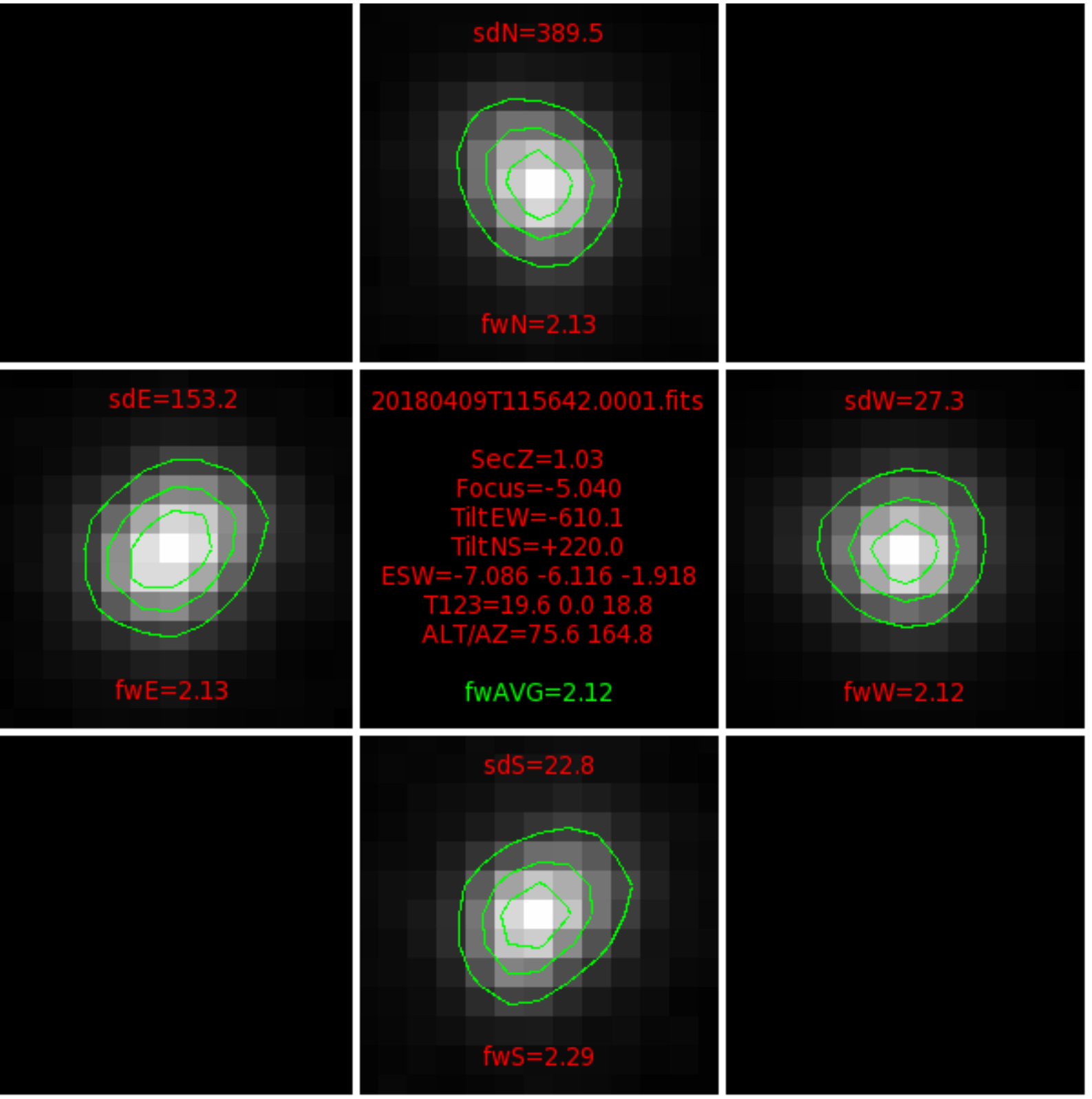
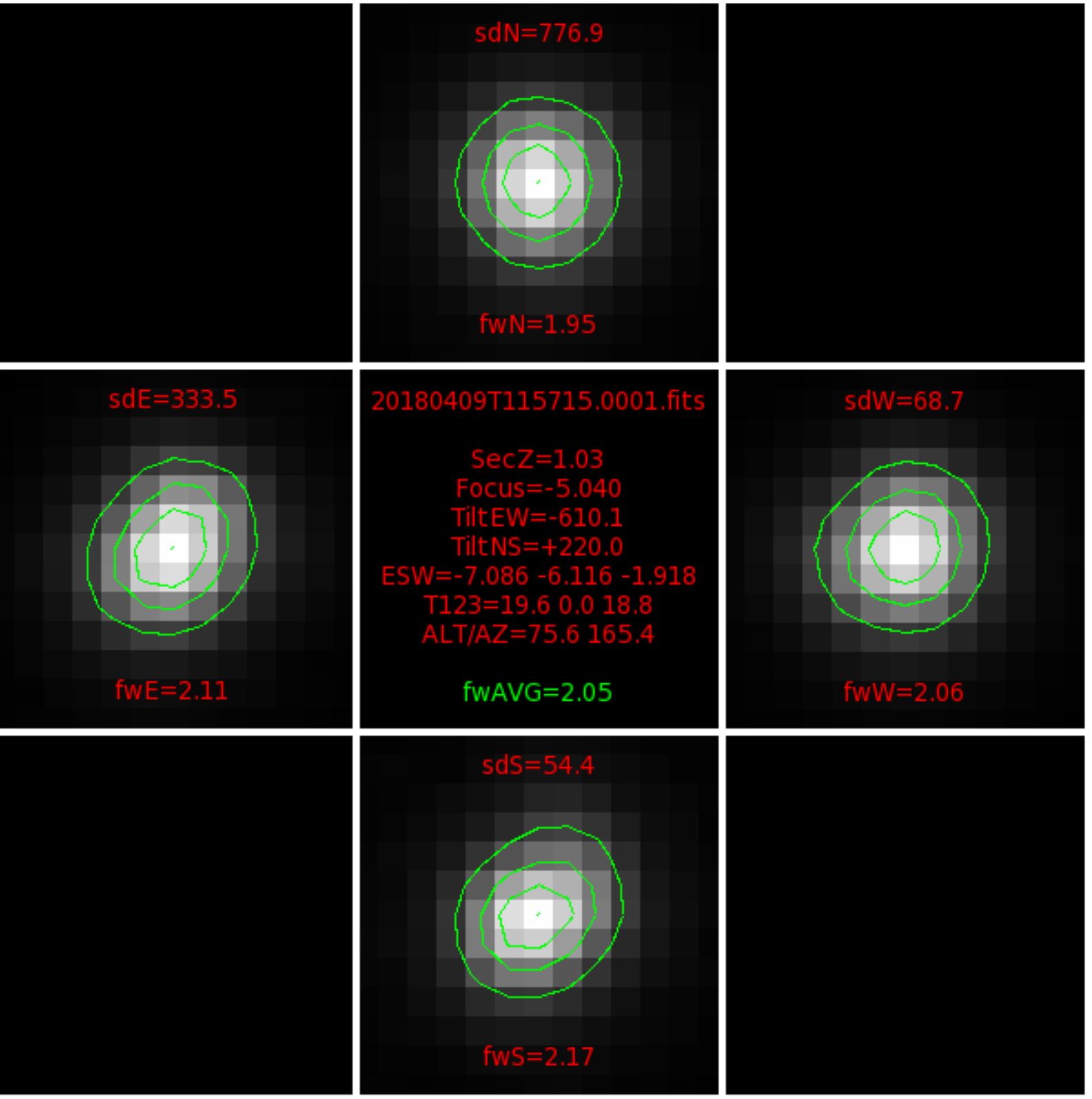

sdN=749.8
fwN=2.13
sdE=288.2
fwE=2.13
20180409T115254.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=19.7 18.2 18.8
ALT/AZ=75.4 161.3
fwAVG=2.15
sdW=61.3
fwW=2.16
sdS=48.0
fwS=2.29
0 0 0 0 0 0 0 0 0


sdN=288.9
fwN=2.61
sdE=90.9
fwE=2.33
20180409T115409.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=19.6 0.0 18.8
ALT/AZ=75.4 162.5
fwAVG=2.42
sdW=23.2
fwW=2.37
sdS=18.2
fwS=2.35
0 0 0 0 0 0 0 0 0


sdN=372.5
fwN=2.72
sdE=146.1
fwE=2.64
20180409T115443.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=19.6 0.0 18.7
ALT/AZ=75.5 163.0
fwAVG=2.76
sdW=26.2
fwW=2.84
sdS=24.1
fwS=2.65
0 0 0 0 0 0 0 0 0


sdN=375.8
fwN=2.61
sdE=147.1
fwE=2.59
20180409T115517.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=19.6 0.0 18.7
ALT/AZ=75.5 163.5
fwAVG=2.54
sdW=28.6
fwW=2.48
sdS=25.1
fwS=2.47
0 0 0 0 0 0 0 0 0


sdN=389.5
fwN=2.13
sdE=153.2
fwE=2.13
20180409T115642.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=19.6 0.0 18.8
ALT/AZ=75.6 164.8
fwAVG=2.12
sdW=27.3
fwW=2.12
sdS=22.8
fwS=2.29
0 0 0 0 0 0 0 0 0


sdN=776.9
fwN=1.95
sdE=333.5
fwE=2.11
20180409T115715.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=19.6 0.0 18.8
ALT/AZ=75.6 165.4
fwAVG=2.05
sdW=68.7
fwW=2.06
sdS=54.4
fwS=2.17
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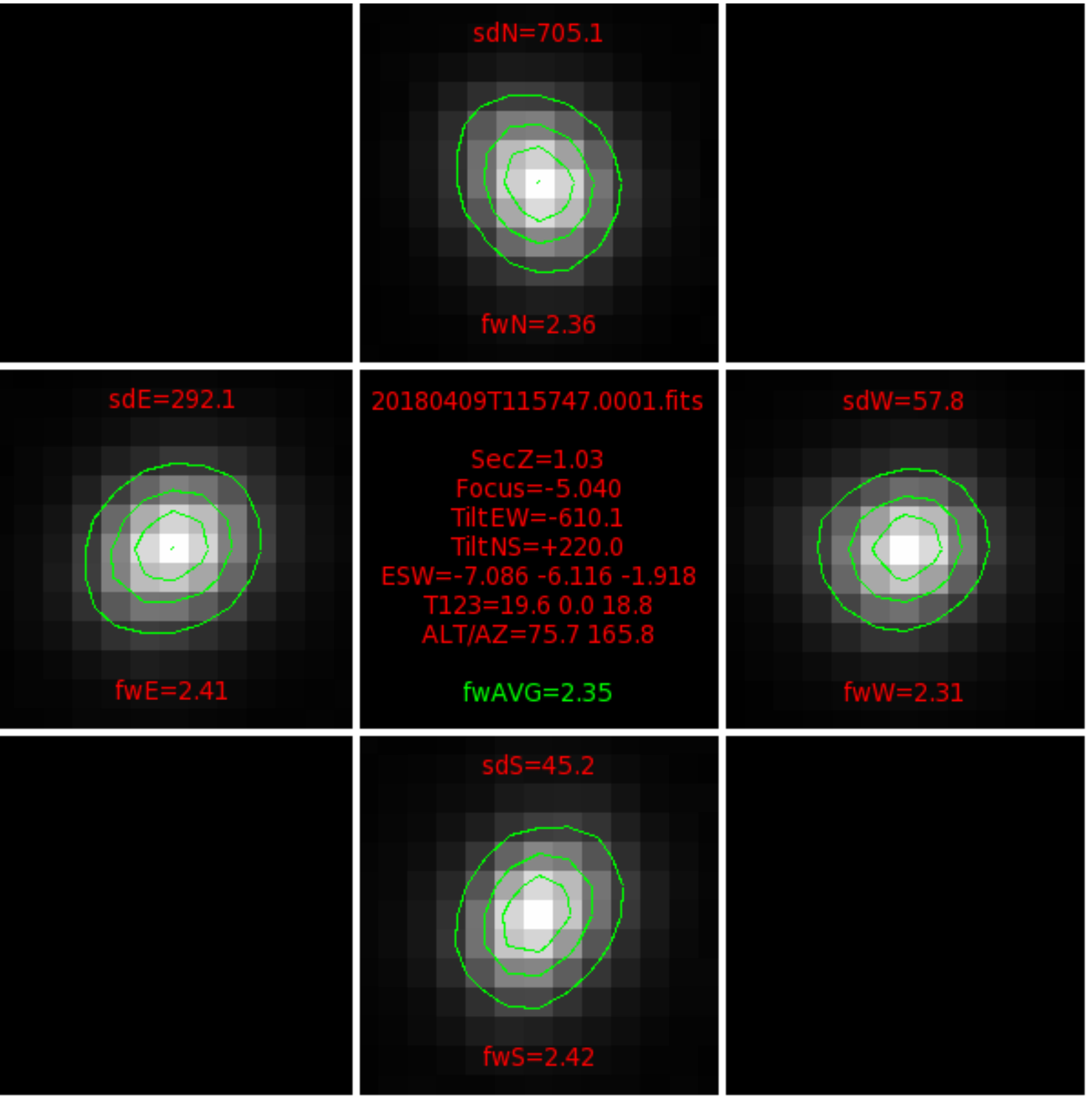
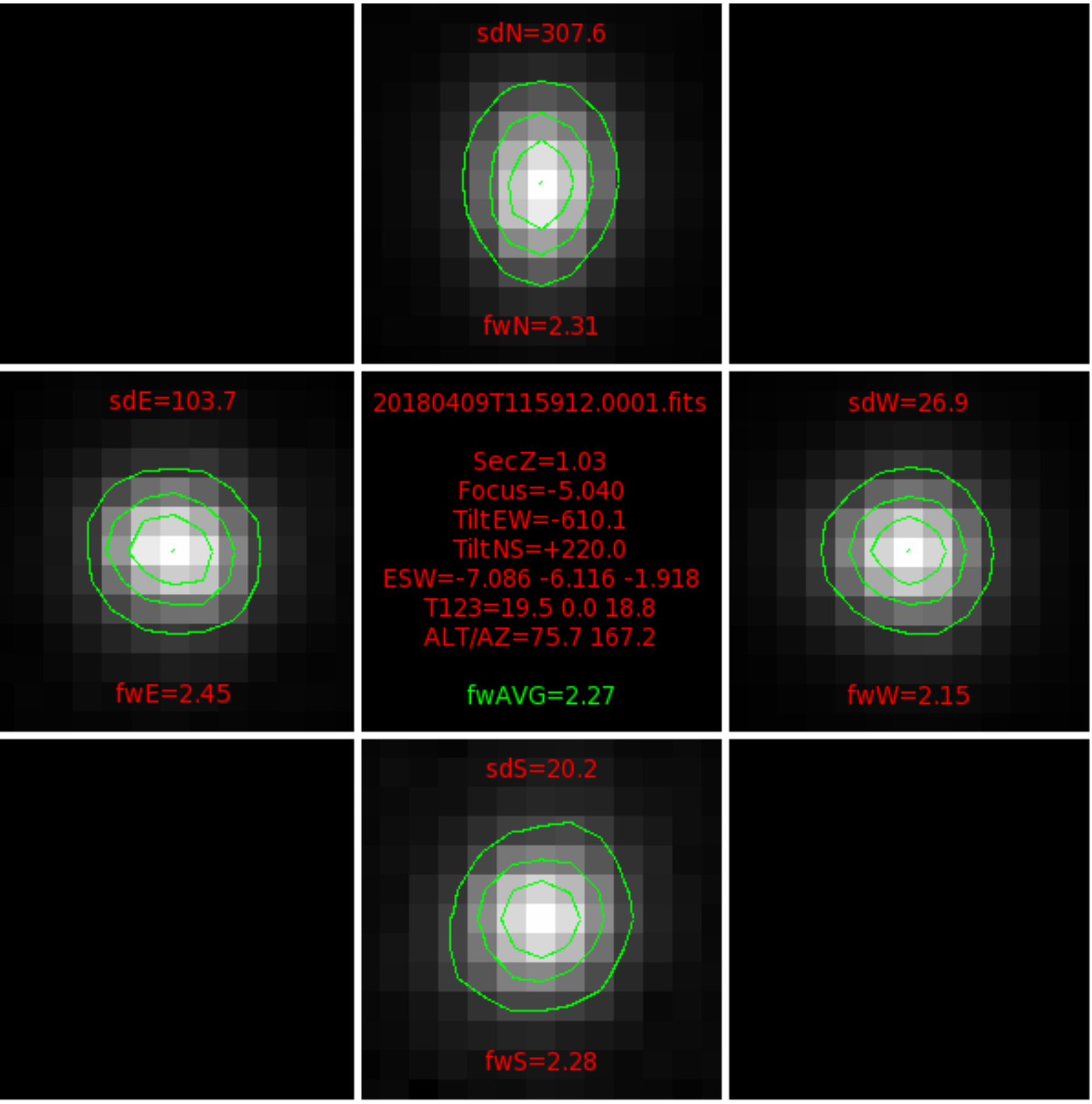

sdN=705.1
fwN=2.36
sdE=292.1
fwE=2.41
20180409T115747.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=19.6 0.0 18.8
ALT/AZ=75.7 165.8
fwAVG=2.35
sdW=57.8
fwW=2.31
sdS=45.2
fwS=2.42
0 0 0 0 0 0 0 0 0


sdN=307.6
fwN=2.31
sdE=103.7
fwE=2.45
20180409T115912.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=19.5 0.0 18.8
ALT/AZ=75.7 167.2
fwAVG=2.27
sdW=26.9
fwW=2.15
sdS=20.2
fwS=2.28
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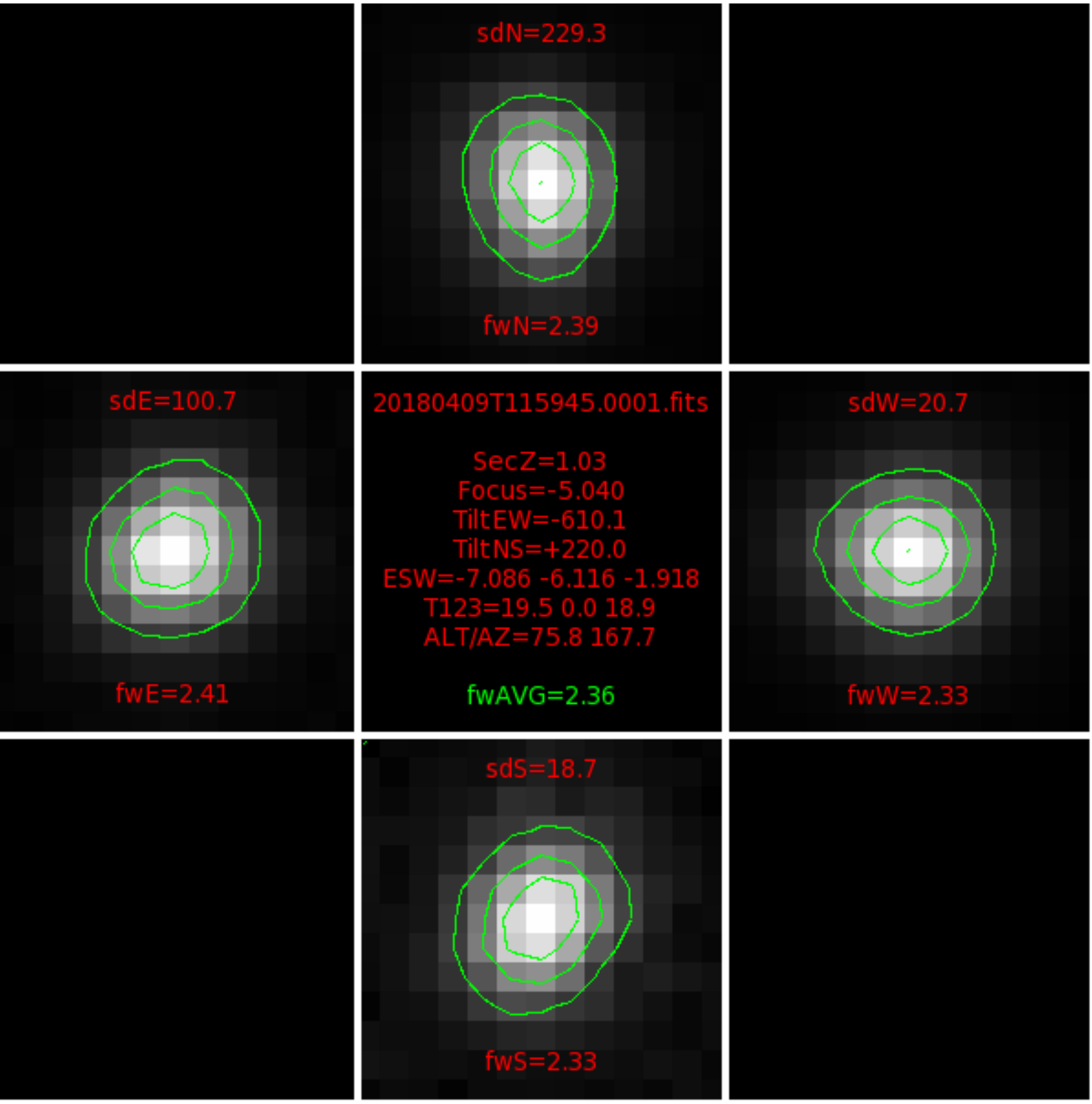
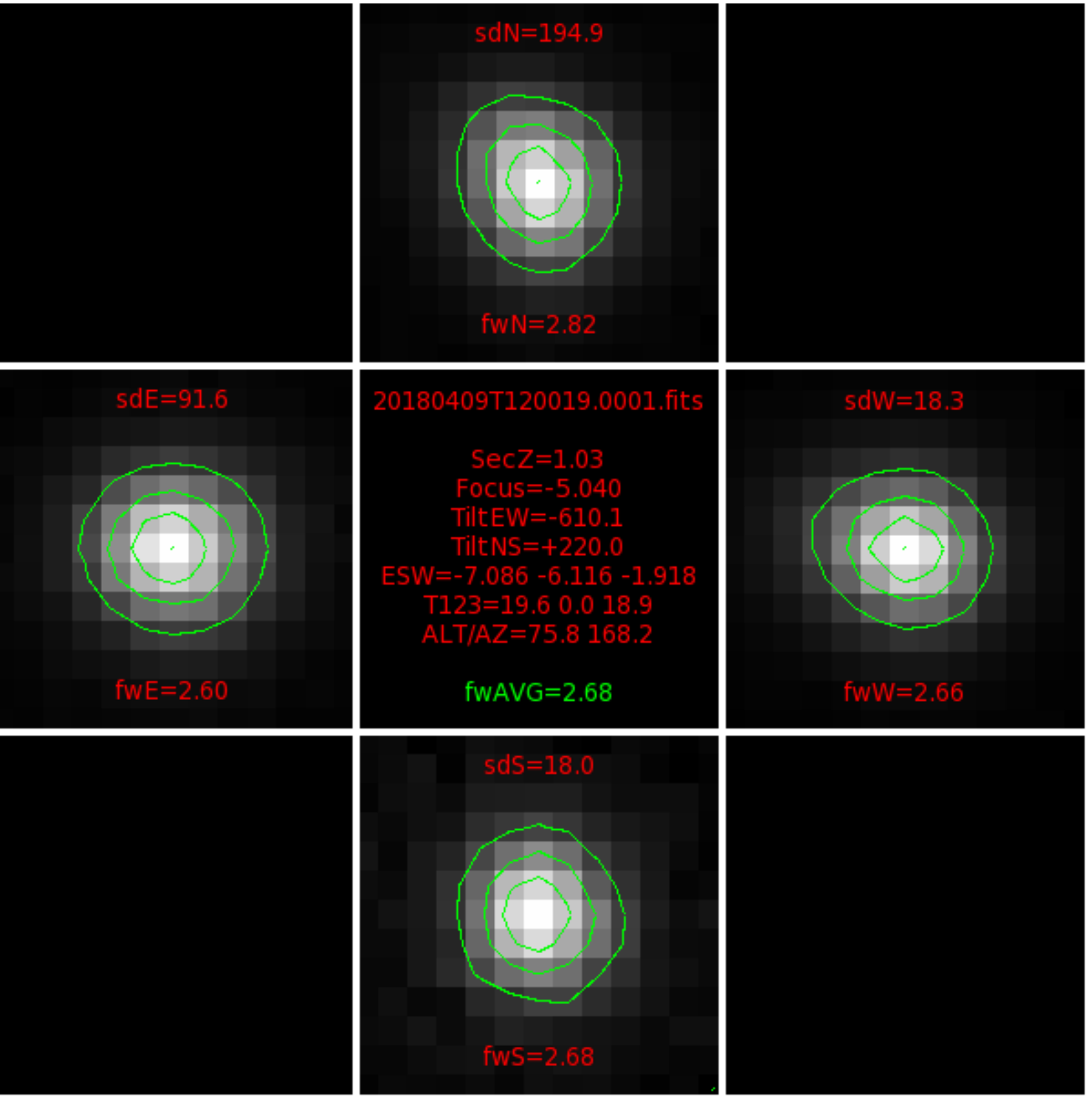
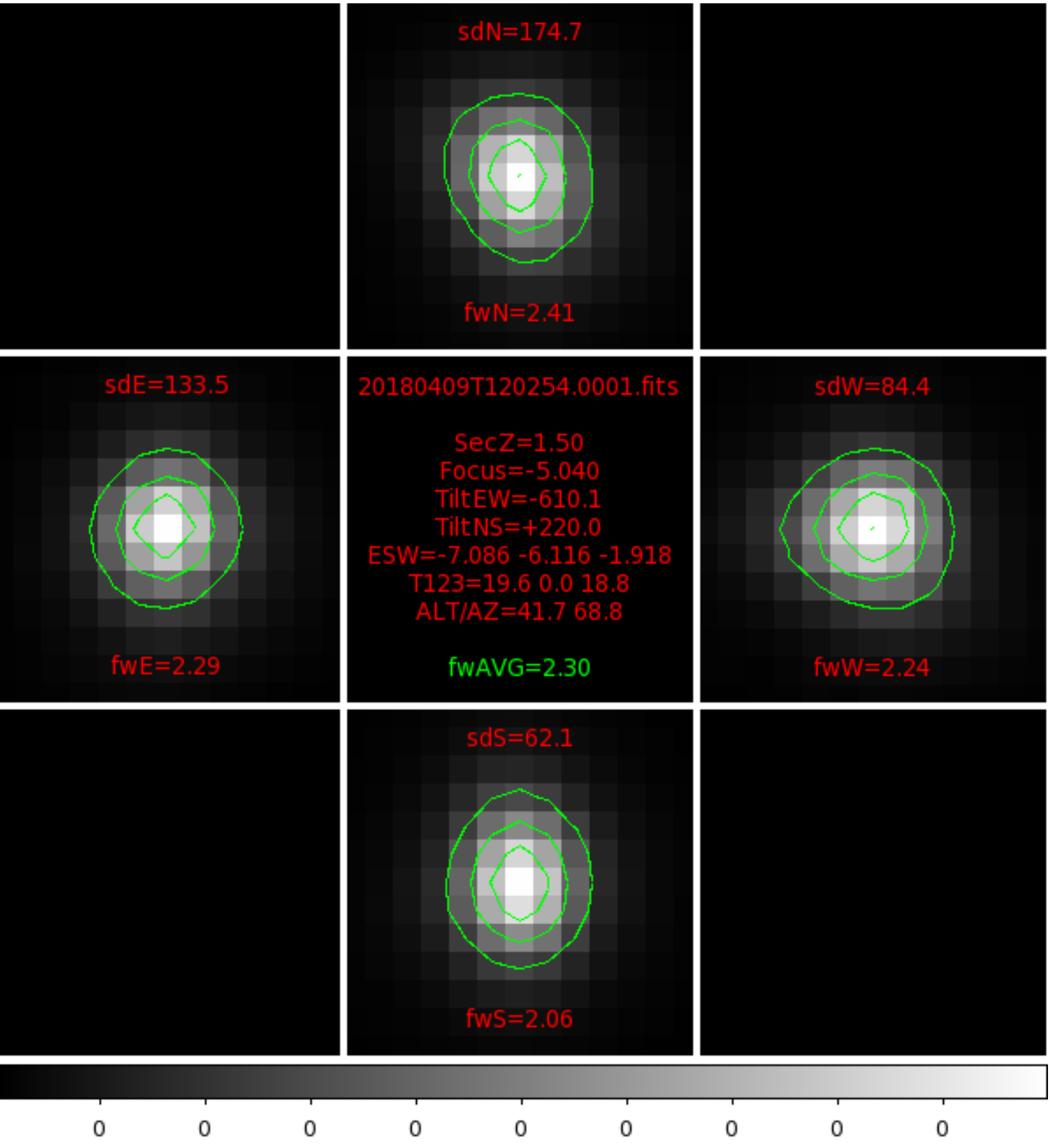
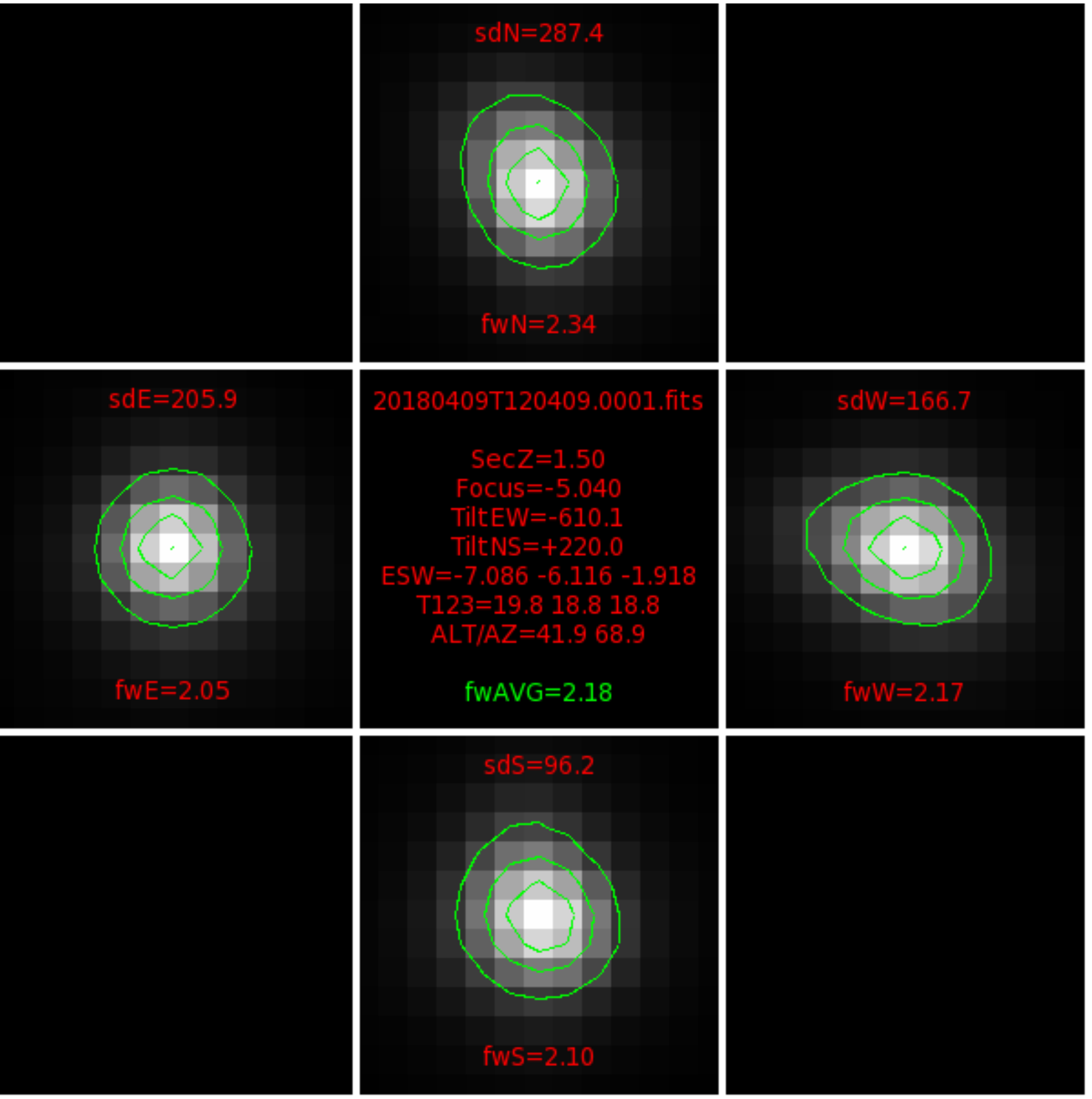
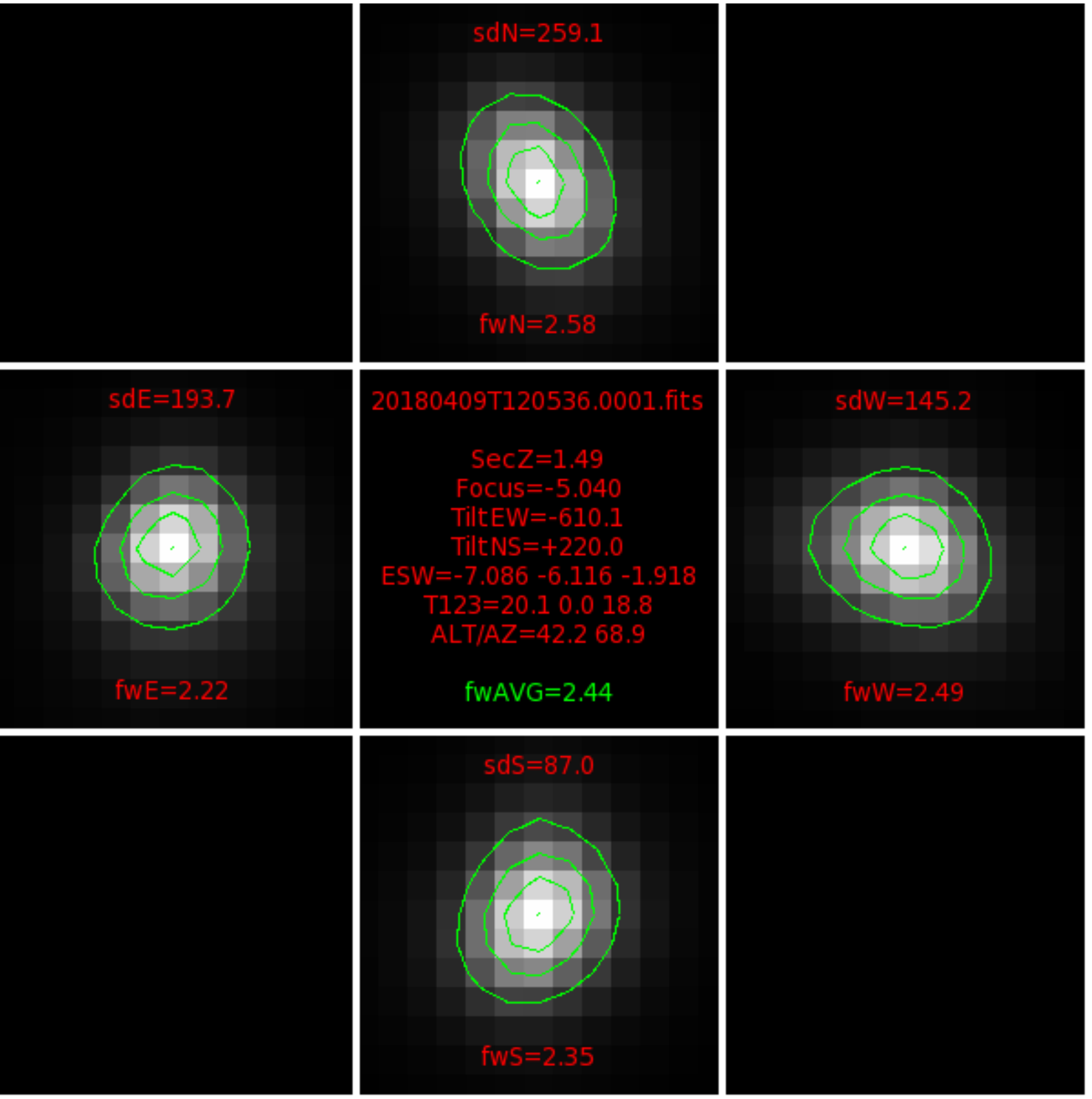

sdN=229.3
fwN=2.39
sdE=100.7
fwE=2.41
20180409T115945.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=19.5 0.0 18.9
ALT/AZ=75.8 167.7
fwAVG=2.36
sdW=20.7
fwW=2.33
sdS=18.7
fwS=2.33
0 0 0 0 0 0 0 0 0


sdN=194.9
fwN=2.82
sdE=91.6
fwE=2.60
20180409T120019.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=19.6 0.0 18.9
ALT/AZ=75.8 168.2
fwAVG=2.68
sdW=18.3
fwW=2.66
sdS=18.0
fwS=2.68
0 0 0 0 0 0 0 0 0


sdN=174.7
fwN=2.41
sdE=133.5
fwE=2.29
20180409T120254.0001.fits
SecZ=1.50
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=19.6 0.0 18.8
ALT/AZ=41.7 68.8
fwAVG=2.30
sdW=84.4
fwW=2.24
sdS=62.1
fwS=2.06
0 0 0 0 0 0 0 0 0


sdN=287.4
fwN=2.34
sdE=205.9
fwE=2.05
20180409T120409.0001.fits
SecZ=1.50
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=19.8 18.8 18.8
ALT/AZ=41.9 68.9
fwAVG=2.18
sdW=166.7
fwW=2.17
sdS=96.2
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=259.1
fwN=2.58
sdE=193.7
fwE=2.22
20180409T120536.0001.fits
SecZ=1.49
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.1 0.0 18.8
ALT/AZ=42.2 68.9
fwAVG=2.44
sdW=145.2
fwW=2.49
sdS=87.0
fwS=2.35
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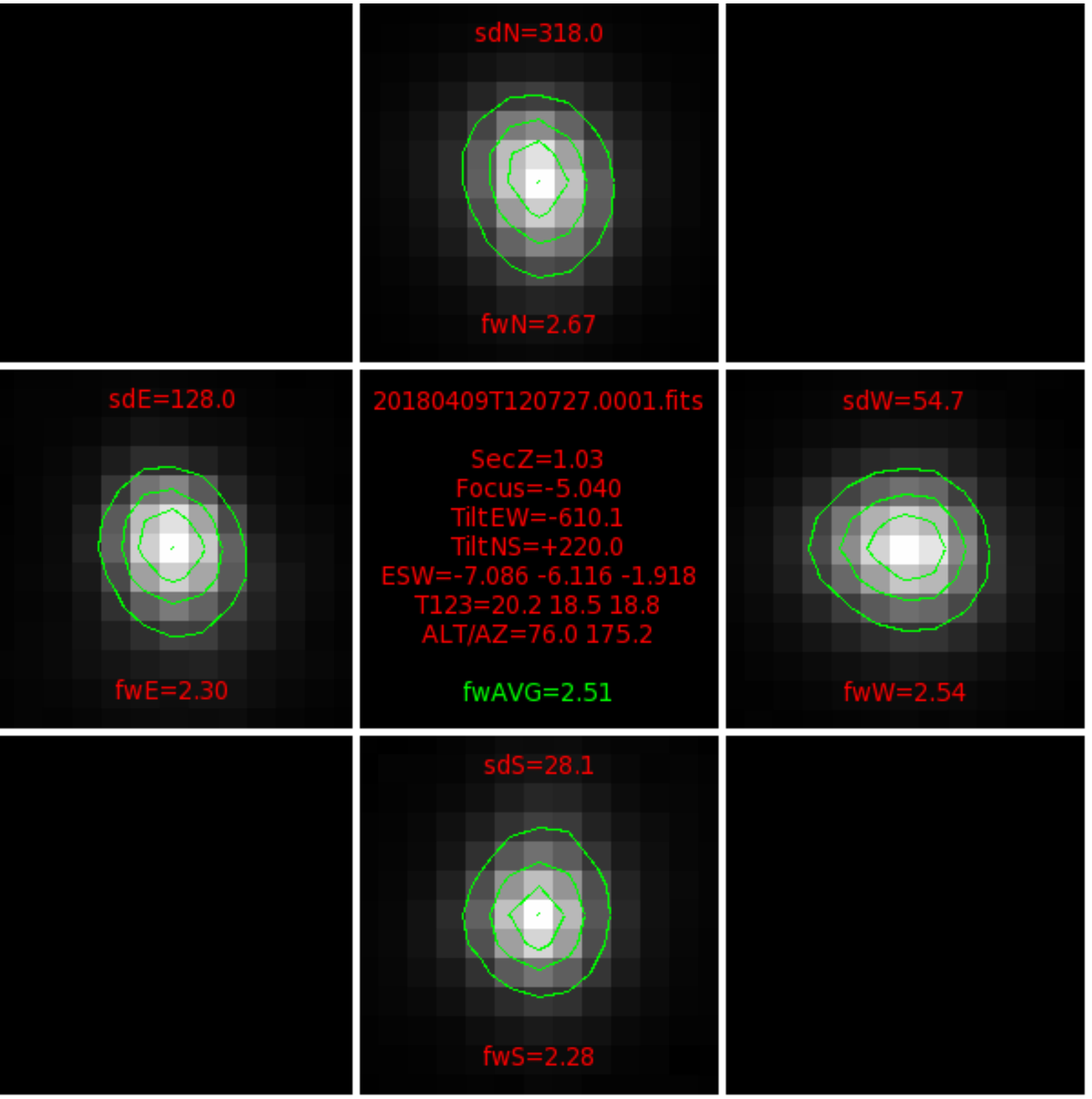
sdN=318.0
fwN=2.67
sdE=128.0
fwE=2.30
20180409T120727.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.2 18.5 18.8
ALT/AZ=76.0 175.2
fwAVG=2.51
sdW=54.7
fwW=2.54
sdS=28.1
fwS=2.28
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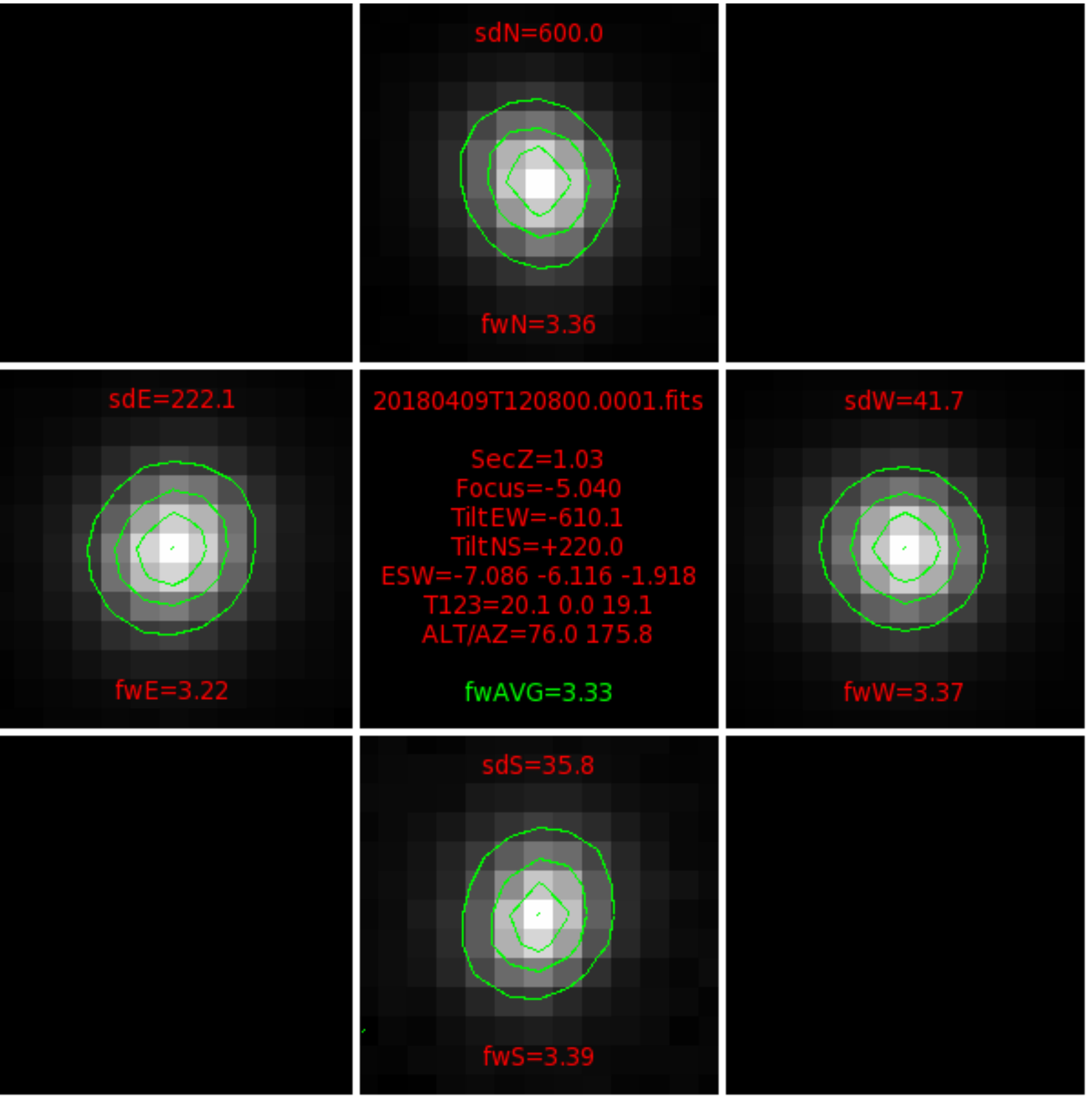
sdN=600.0
fwN=3.36
sdE=222.1
fwE=3.22
20180409T120800.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.1 0.0 19.1
ALT/AZ=76.0 175.8
fwAVG=3.33
sdW=41.7
fwW=3.37
sdS=35.8
fwS=3.39
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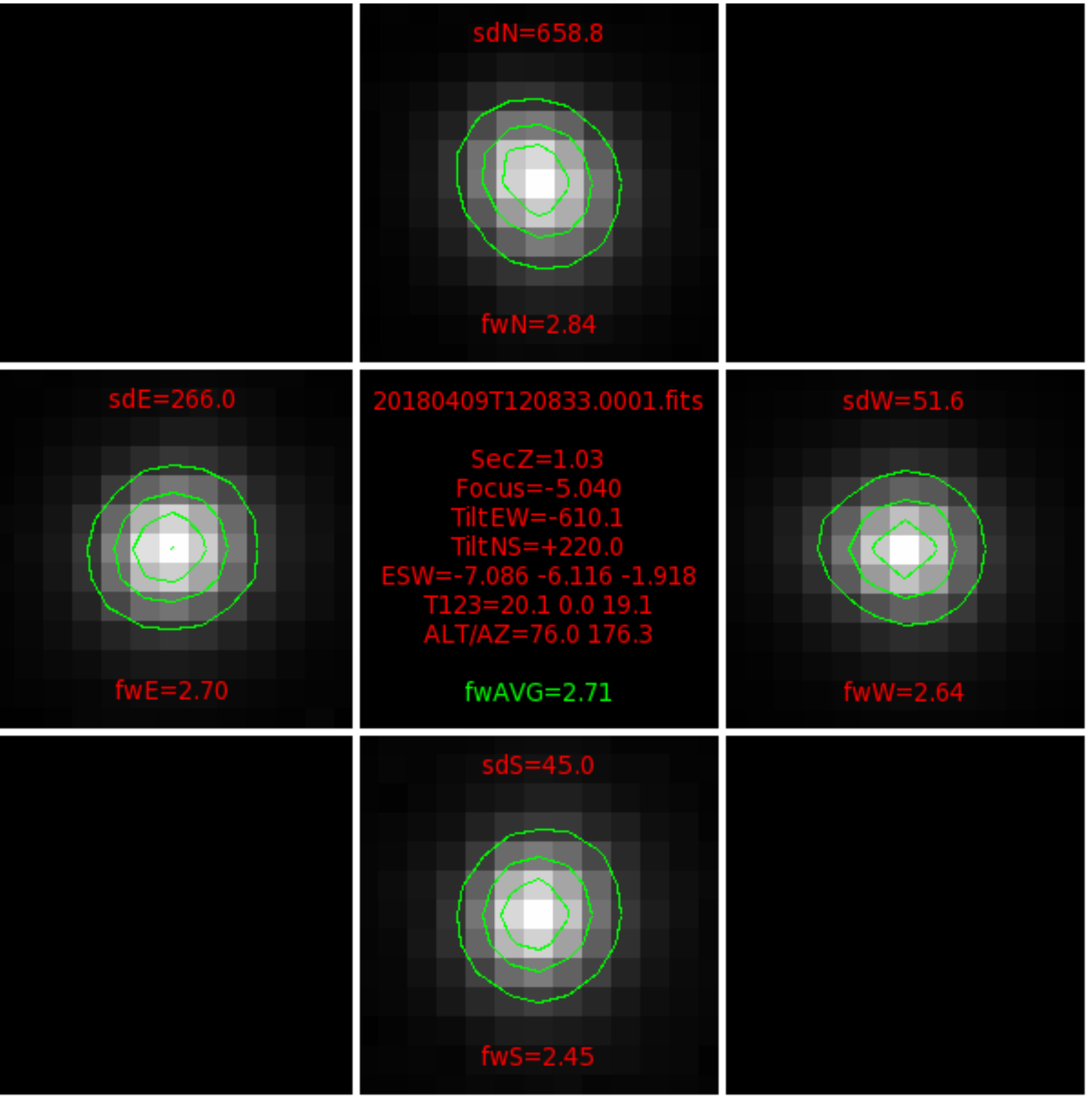
sdN=658.8
fwN=2.84
sdE=266.0
fwE=2.70
20180409T120833.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.1 0.0 19.1
ALT/AZ=76.0 176.3
fwAVG=2.71
sdW=51.6
fwW=2.64
sdS=45.0
fwS=2.45
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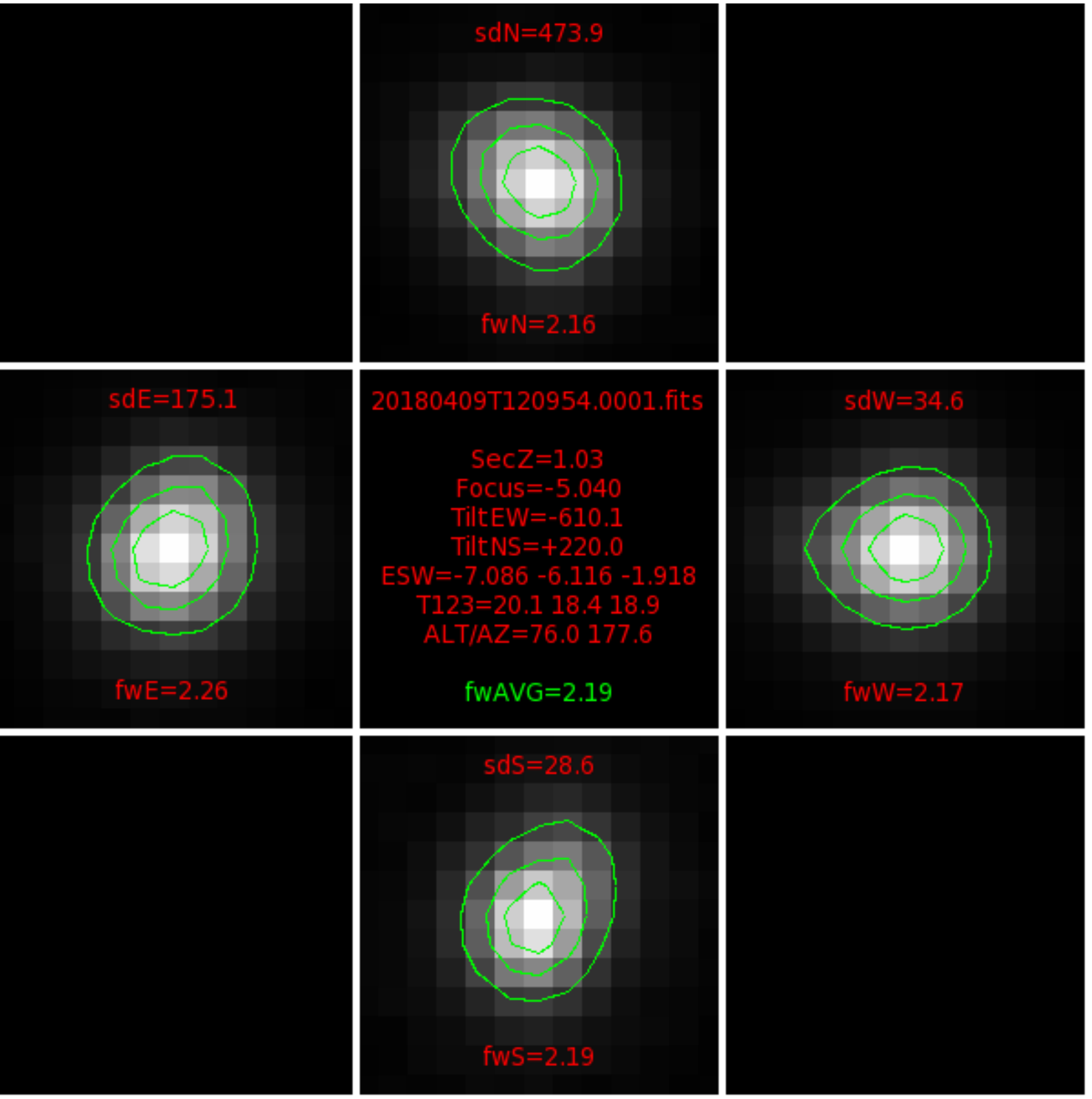
sdN=473.9
fwN=2.16
sdE=175.1
fwE=2.26
20180409T120954.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.1 18.4 18.9
ALT/AZ=76.0 177.6
fwAVG=2.19
sdW=34.6
fwW=2.17
sdS=28.6
fwS=2.19
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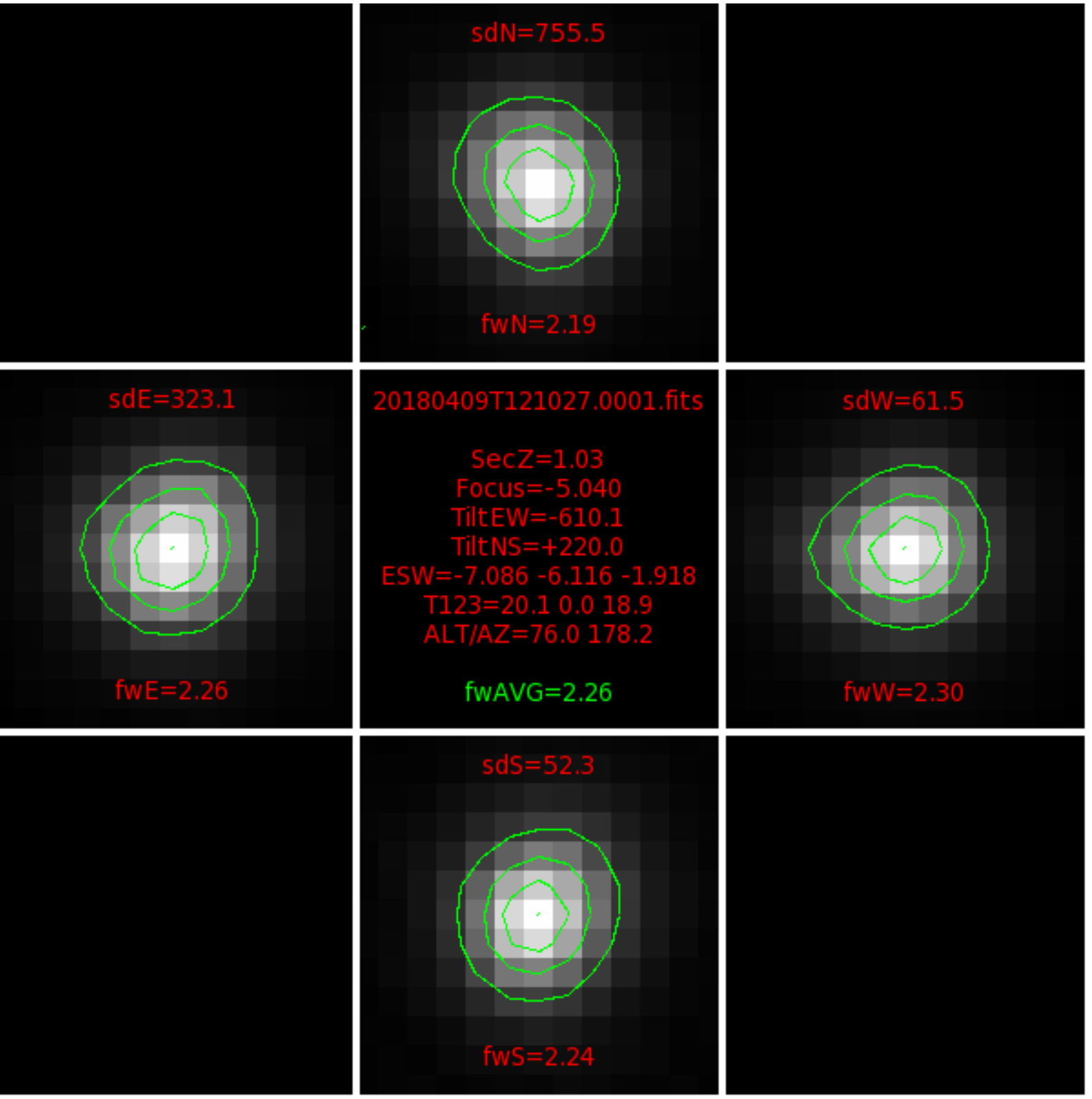
sdN=755.5
fwN=2.19
sdE=323.1
fwE=2.26
20180409T121027.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.1 0.0 18.9
ALT/AZ=76.0 178.2
fwAVG=2.26
sdW=61.5
fwW=2.30
sdS=52.3
fwS=2.24
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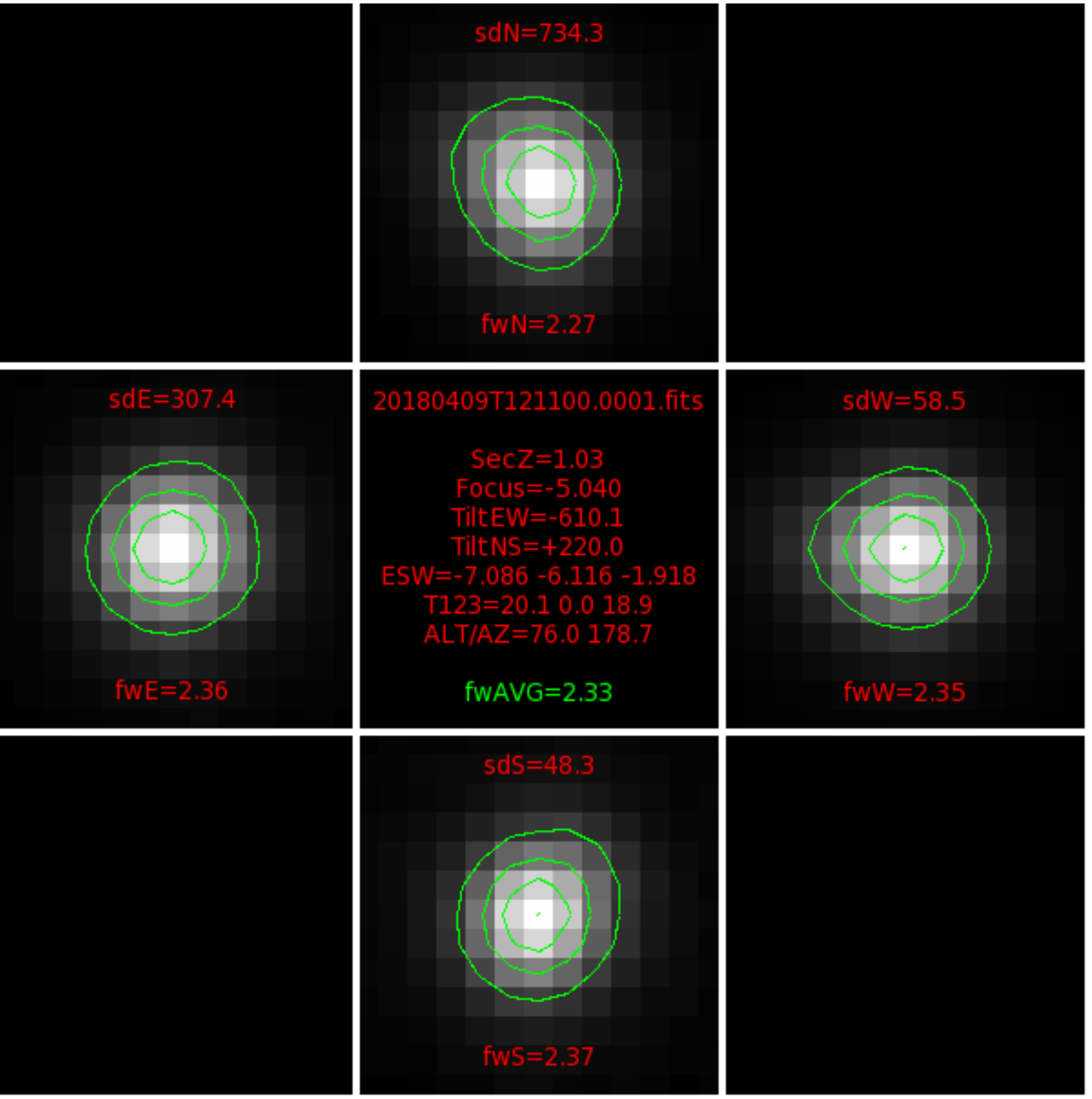
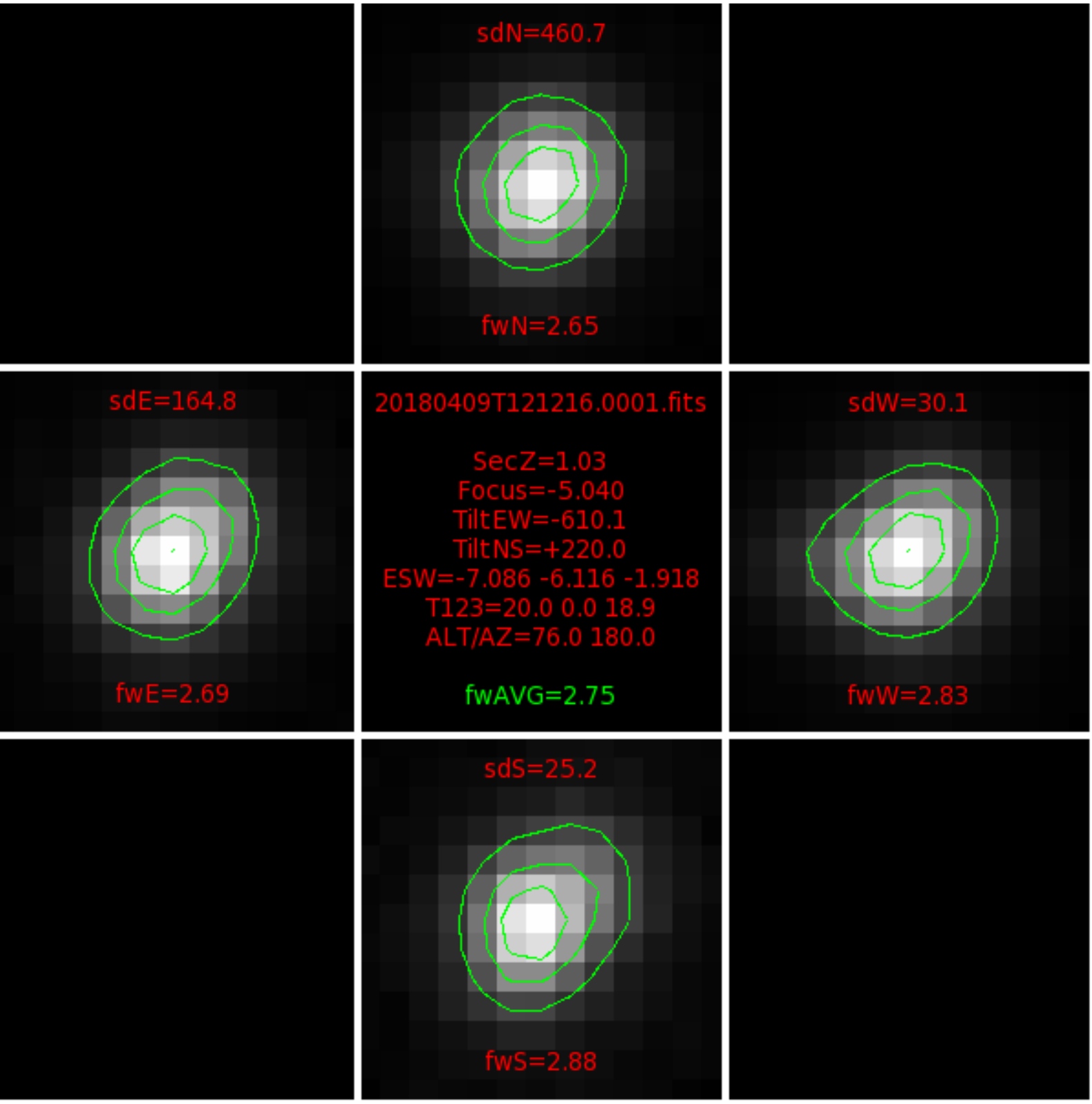
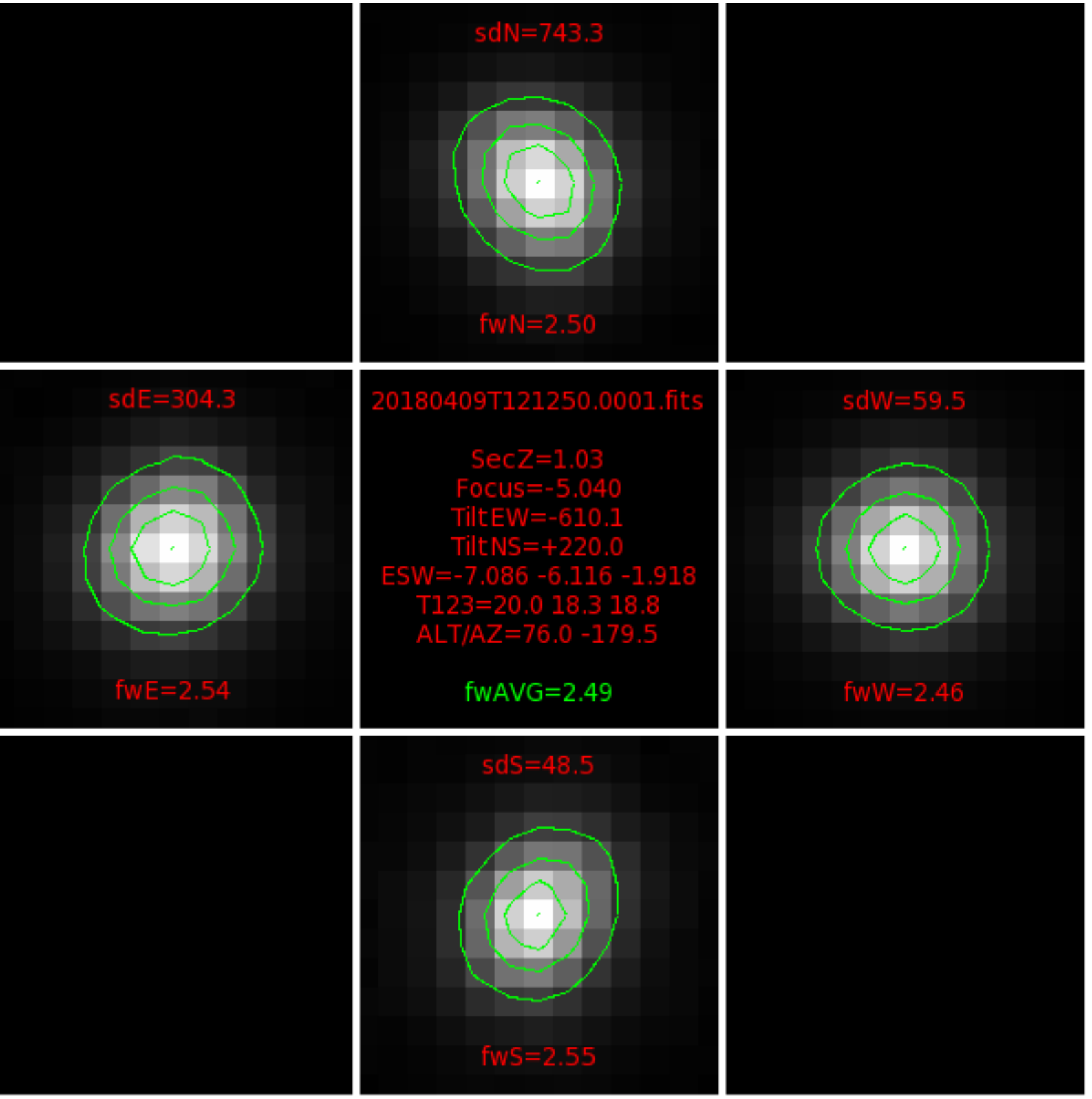

sdN=734.3
fwN=2.27
sdE=307.4
fwE=2.36
20180409T121100.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.1 0.0 18.9
ALT/AZ=76.0 178.7
fwAVG=2.33
sdW=58.5
fwW=2.35
sdS=48.3
fwS=2.37
0 0 0 0 0 0 0 0 0


sdN=460.7
fwN=2.65
sdE=164.8
fwE=2.69
20180409T121216.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.0 0.0 18.9
ALT/AZ=76.0 180.0
fwAVG=2.75
sdW=30.1
fwW=2.83
sdS=25.2
fwS=2.88
0 0 0 0 0 0 0 0 0


sdN=743.3
fwN=2.50
sdE=304.3
fwE=2.54
20180409T121250.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.0 18.3 18.8
ALT/AZ=76.0 -179.5
fwAVG=2.49
sdW=59.5
fwW=2.46
sdS=48.5
fwS=2.55
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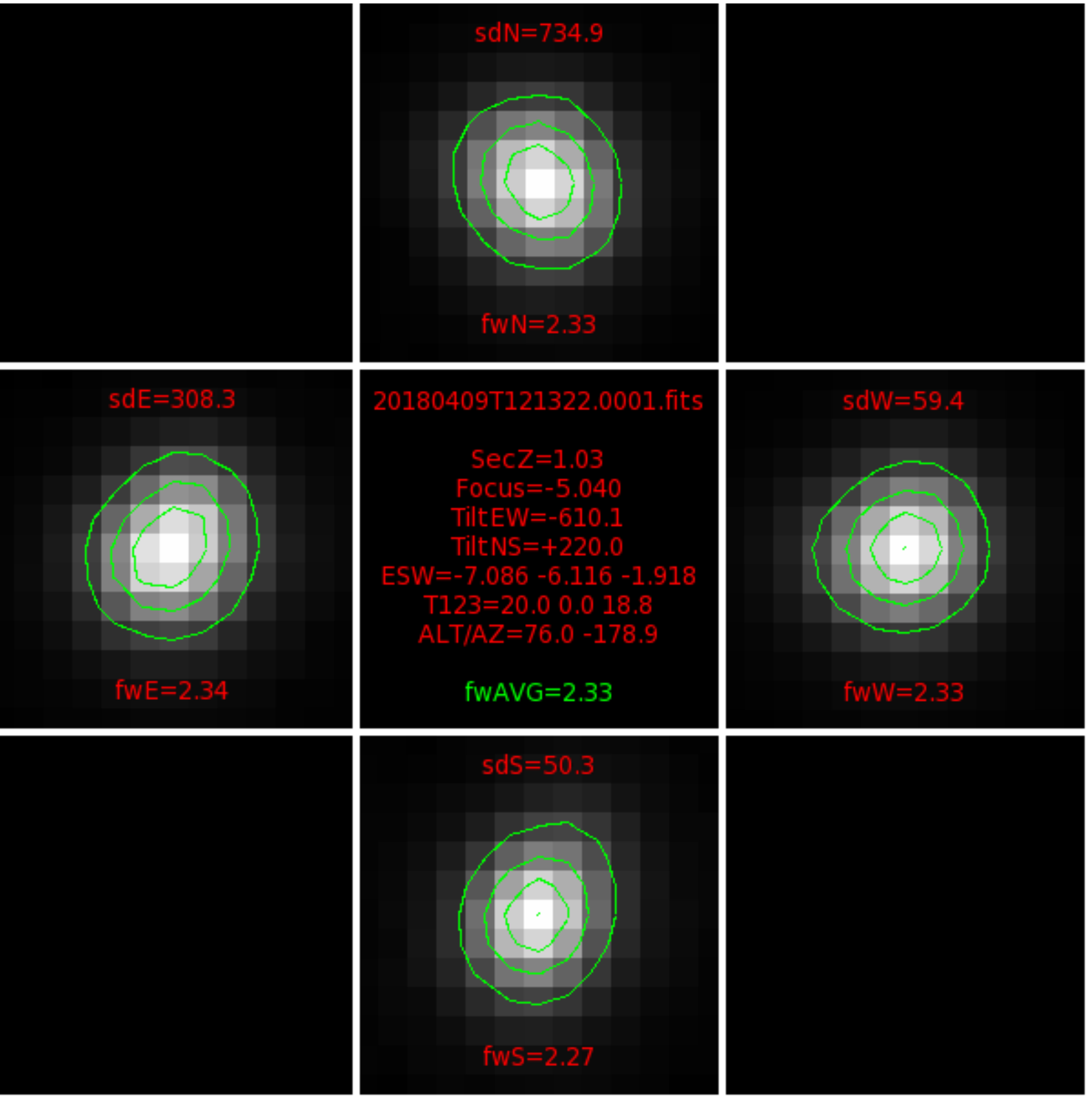
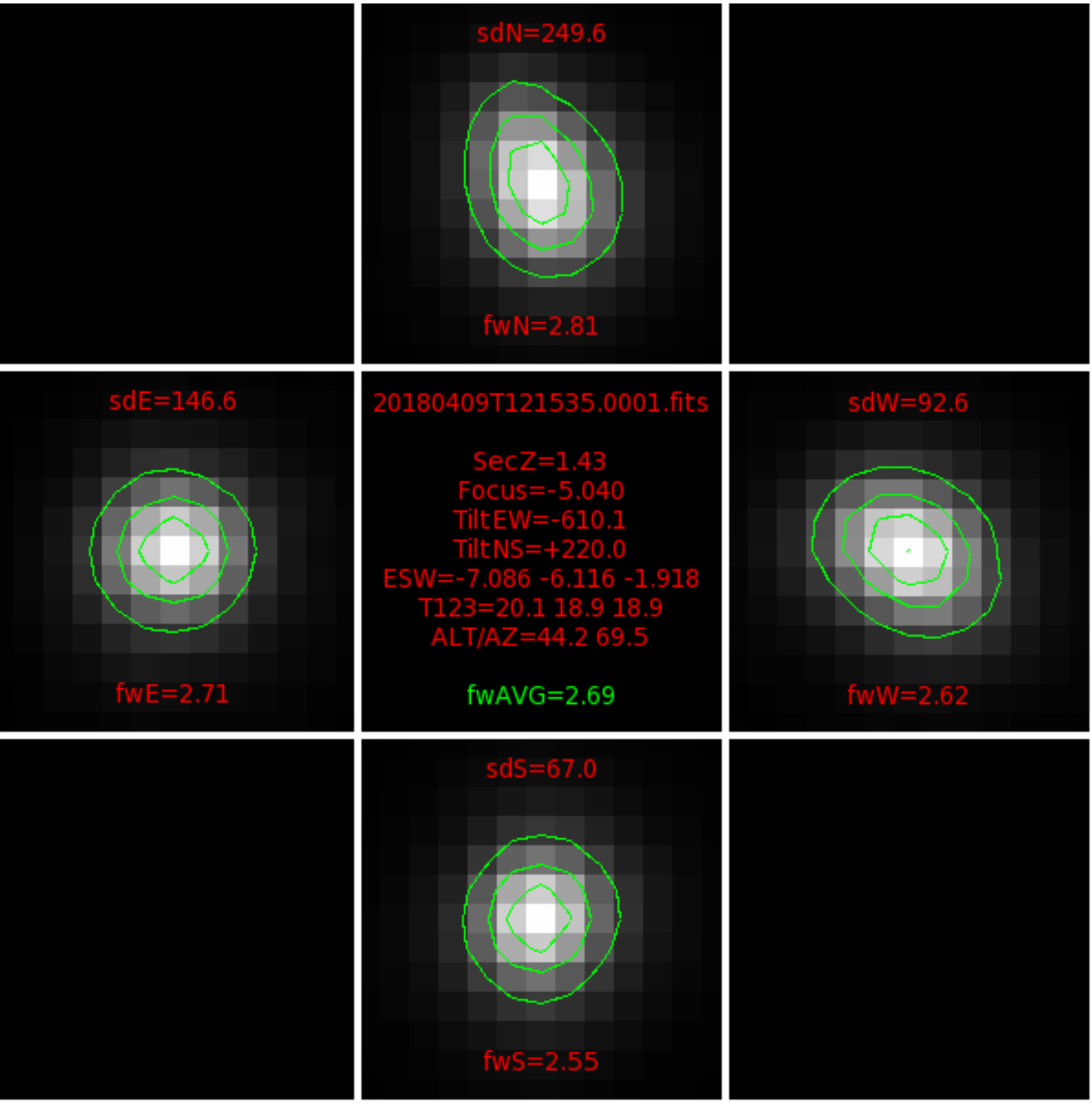
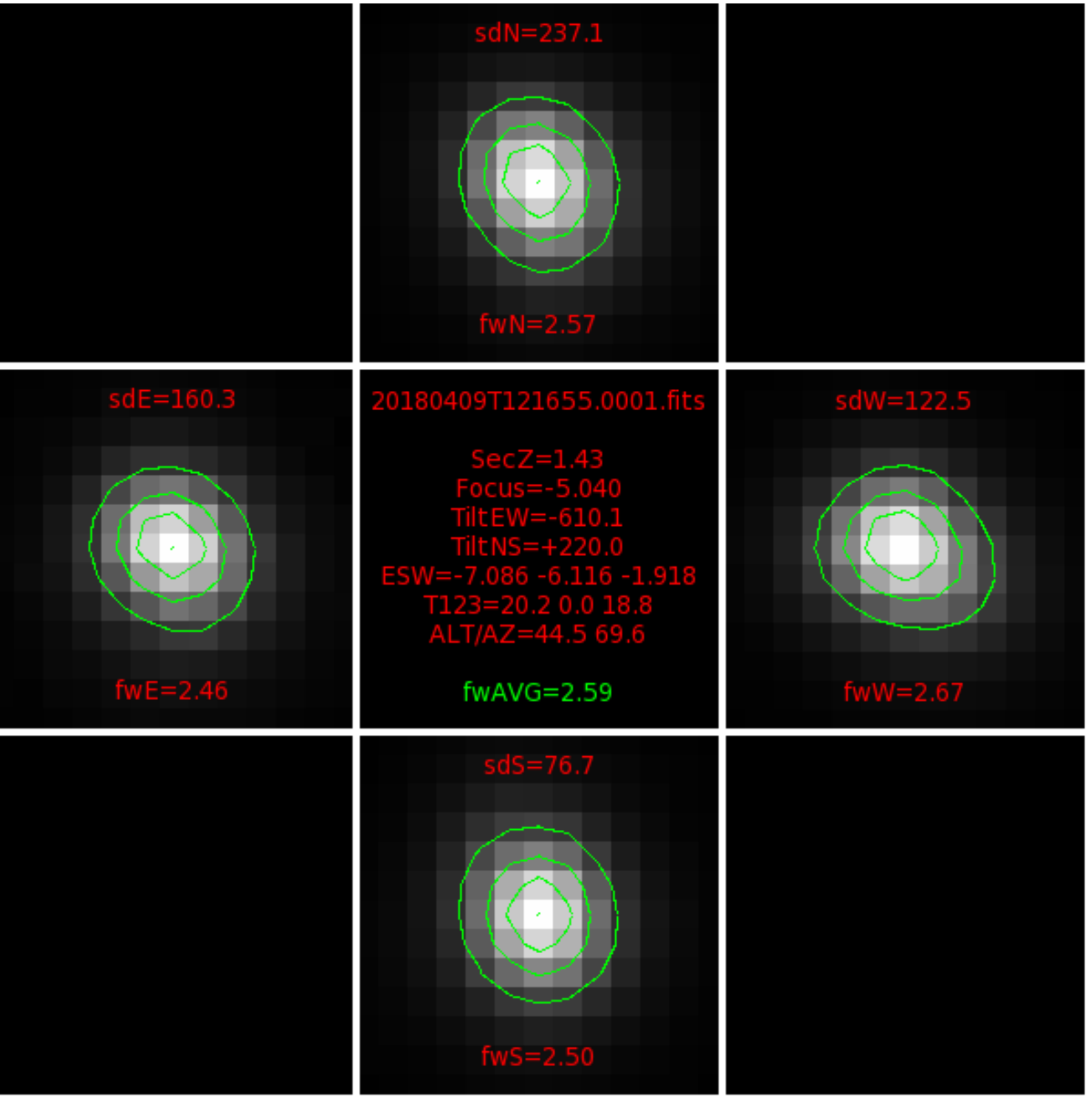
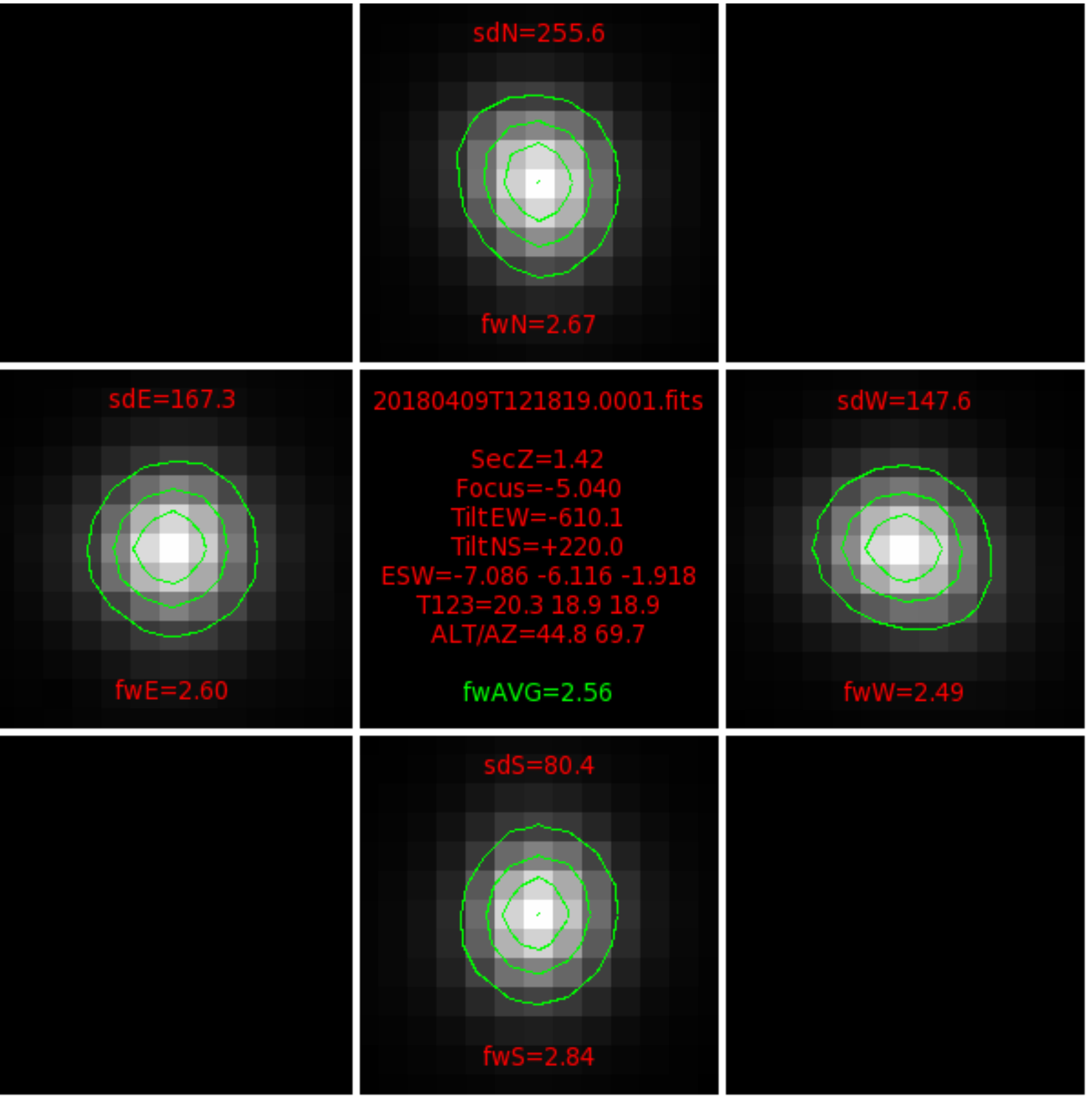
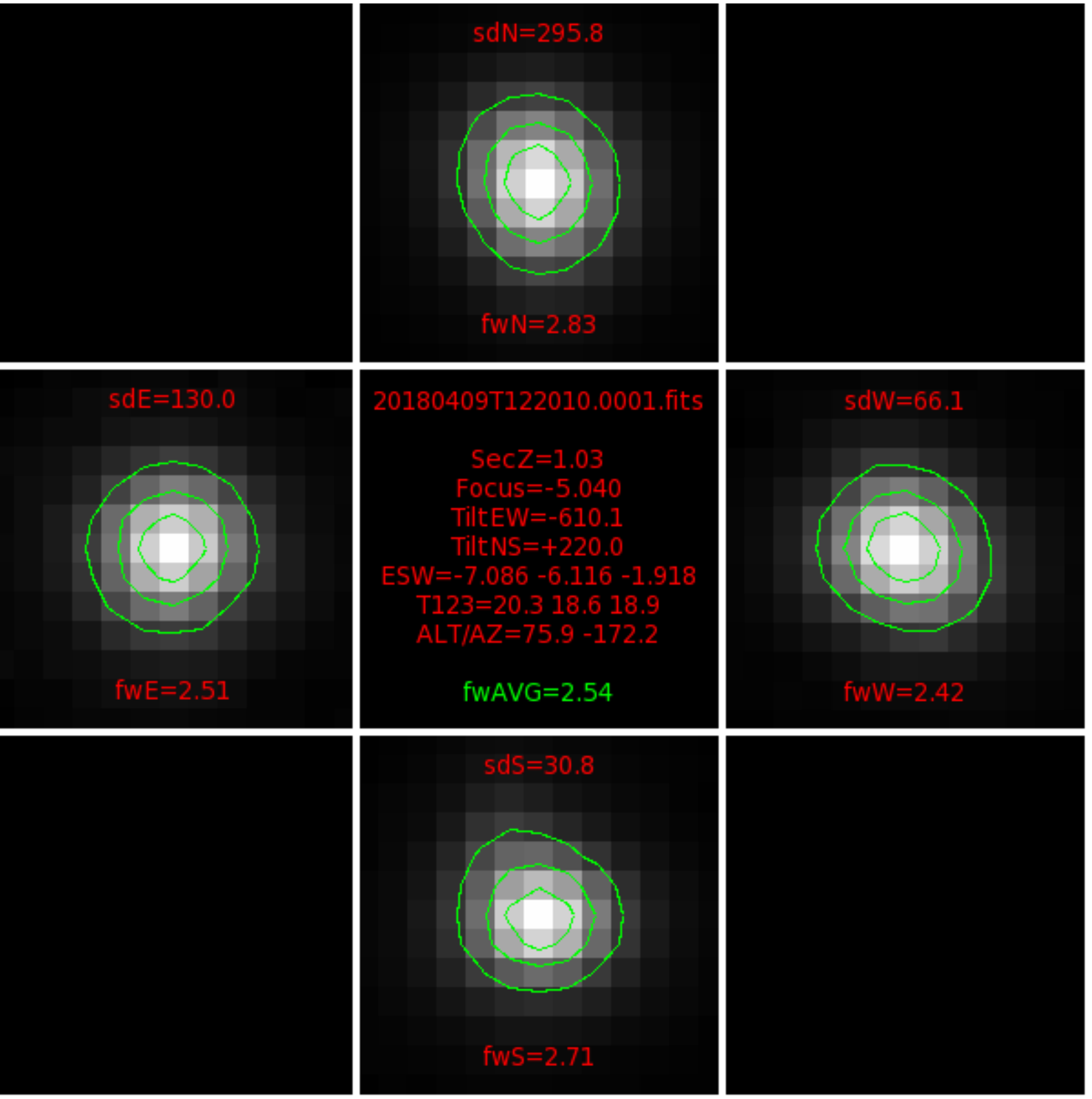
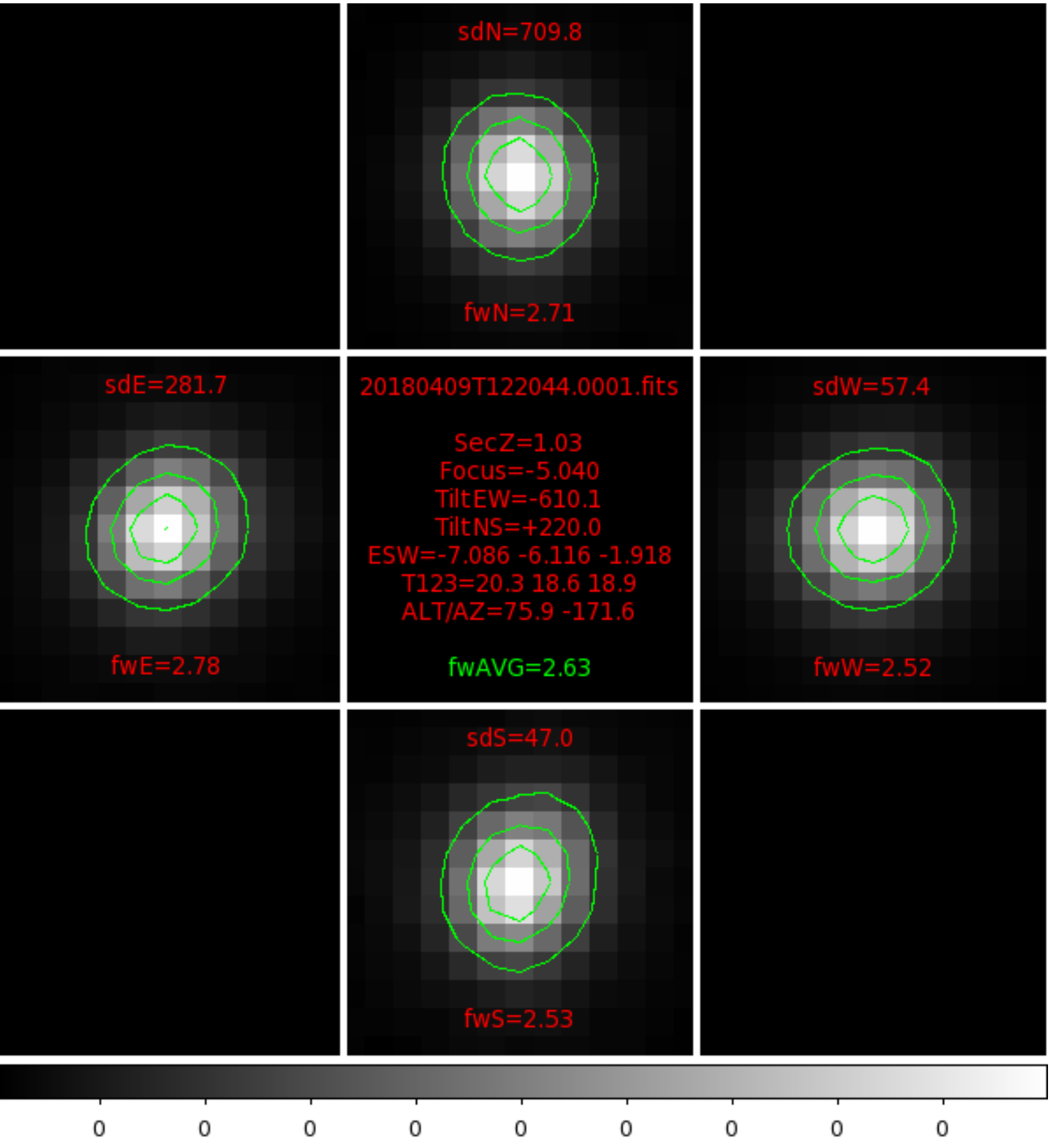

sdN=734.9
fwN=2.33
sdE=308.3
fwE=2.34
20180409T121322.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.0 0.0 18.8
ALT/AZ=76.0 -178.9
fwAVG=2.33
sdW=59.4
fwW=2.33
sdS=50.3
fwS=2.27
0 0 0 0 0 0 0 0 0

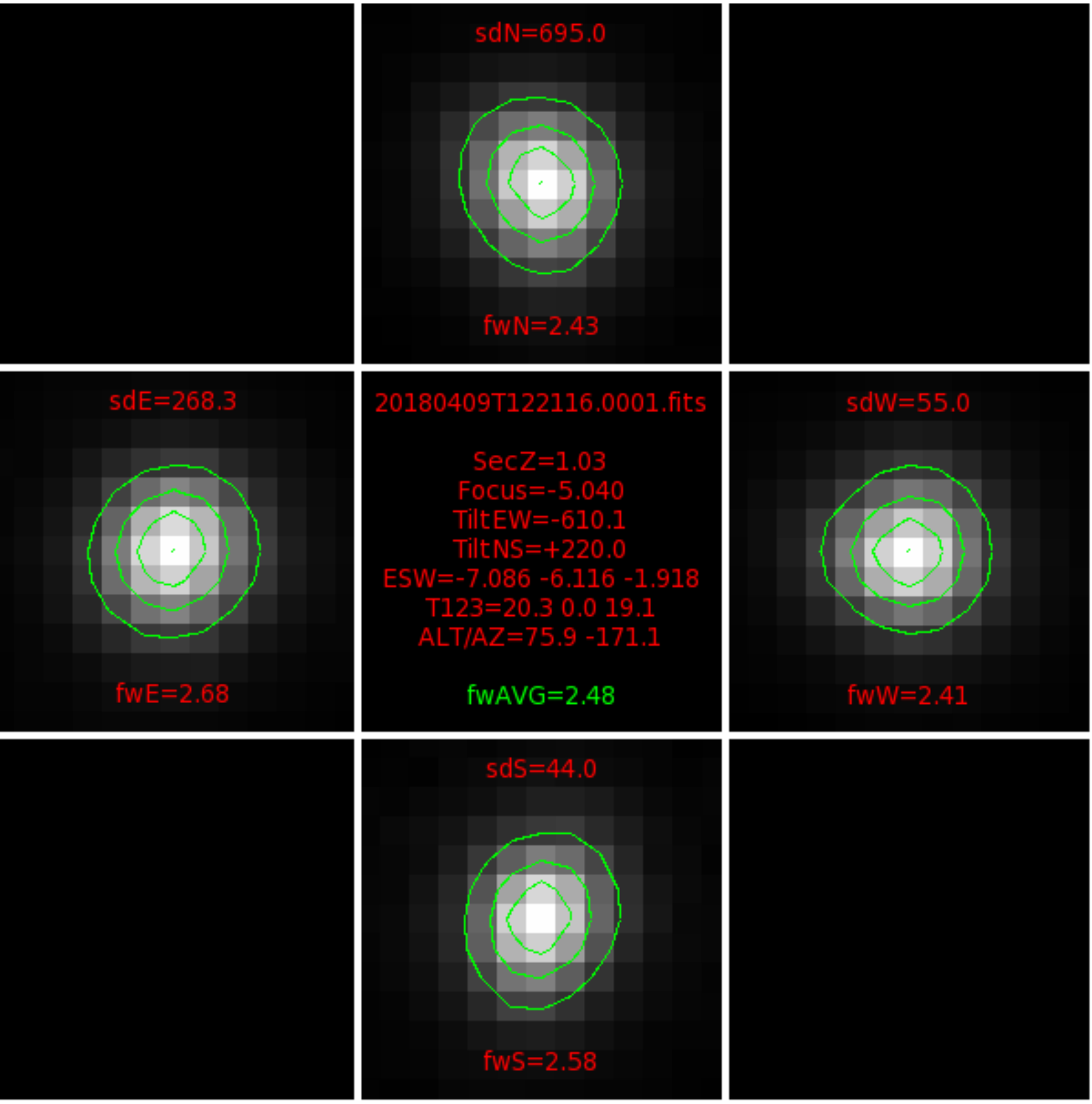

sdN=249.6
fwN=2.81
sdE=146.6
fwE=2.71
20180409T121535.0001.fits
SecZ=1.43
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.1 18.9 18.9
ALT/AZ=44.2 69.5
fwAVG=2.69
sdW=92.6
fwW=2.62
sdS=67.0
fwS=2.55
0 0 0 0 0 0 0 0 0

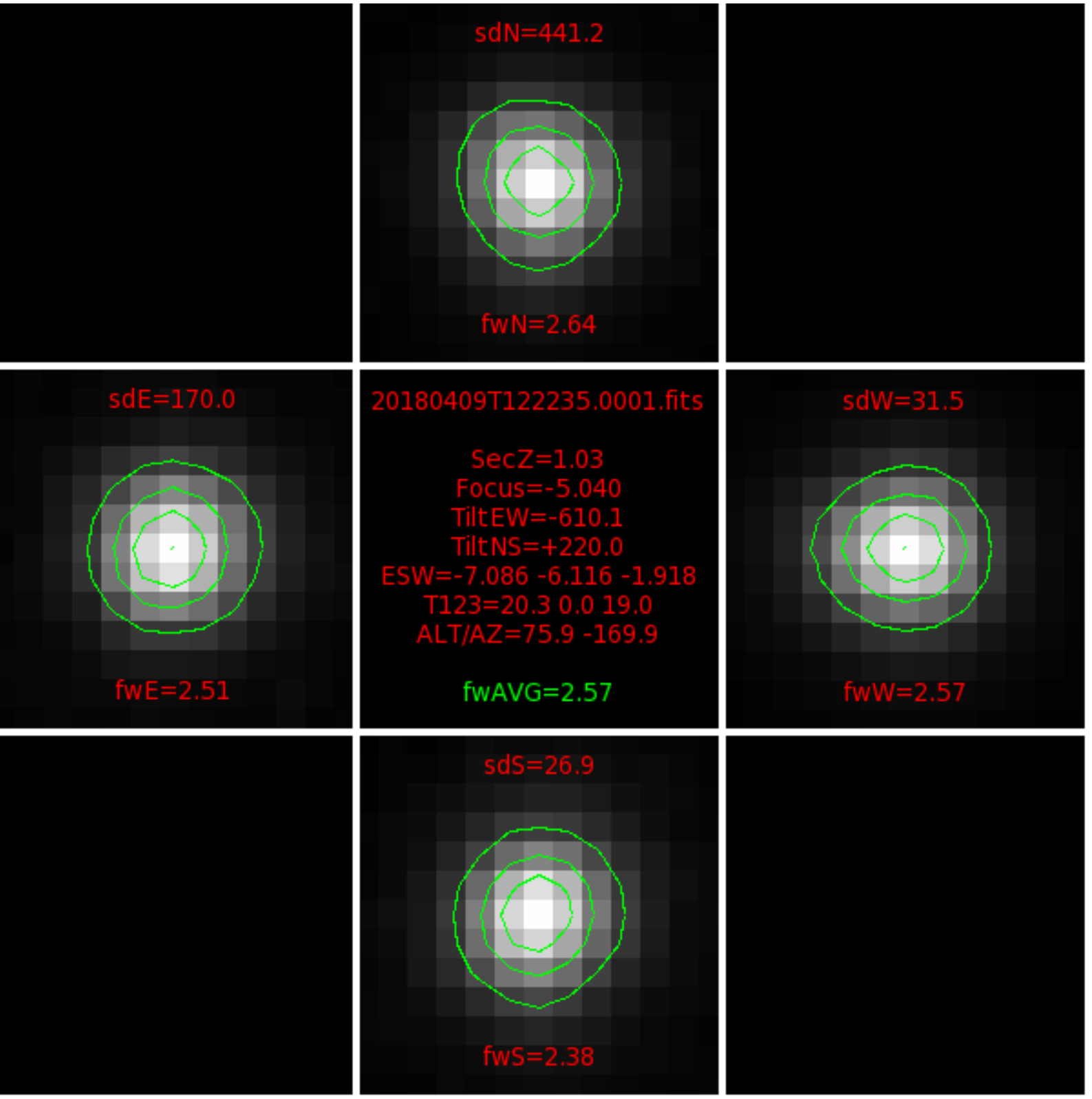

sdN=237.1
fwN=2.57
sdE=160.3
fwE=2.46
20180409T121655.0001.fits
SecZ=1.43
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.2 0.0 18.8
ALT/AZ=44.5 69.6
fwAVG=2.59
sdW=122.5
fwW=2.67
sdS=76.7
fwS=2.50
0 0 0 0 0 0 0 0 0


sdN=255.6
fwN=2.67
sdE=167.3
fwE=2.60
20180409T121819.0001.fits
SecZ=1.42
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.3 18.9 18.9
ALT/AZ=44.8 69.7
fwAVG=2.56
sdW=147.6
fwW=2.49
sdS=80.4
fwS=2.84
0 0 0 0 0 0 0 0 0


sdN=295.8
fwN=2.83
sdE=130.0
fwE=2.51
20180409T122010.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.3 18.6 18.9
ALT/AZ=75.9 -172.2
fwAVG=2.54
sdW=66.1
fwW=2.42
sdS=30.8
fwS=2.71
0 0 0 0 0 0 0 0 0


sdN=709.8
fwN=2.71
sdE=281.7
fwE=2.78
20180409T122044.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.3 18.6 18.9
ALT/AZ=75.9 -171.6
fwAVG=2.63
sdW=57.4
fwW=2.52
sdS=47.0
fwS=2.53
0 0 0 0 0 0 0 0 0


sdN=695.0
fwN=2.43
sdE=268.3
fwE=2.68
20180409T122116.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.3 0.0 19.1
ALT/AZ=75.9 -171.1
fwAVG=2.48
sdW=55.0
fwW=2.41
sdS=44.0
fwS=2.58
0 0 0 0 0 0 0 0 0


sdN=441.2
fwN=2.64
sdE=170.0
fwE=2.51
20180409T122235.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.3 0.0 19.0
ALT/AZ=75.9 -169.9
fwAVG=2.57
sdW=31.5
fwW=2.57
sdS=26.9
fwS=2.38
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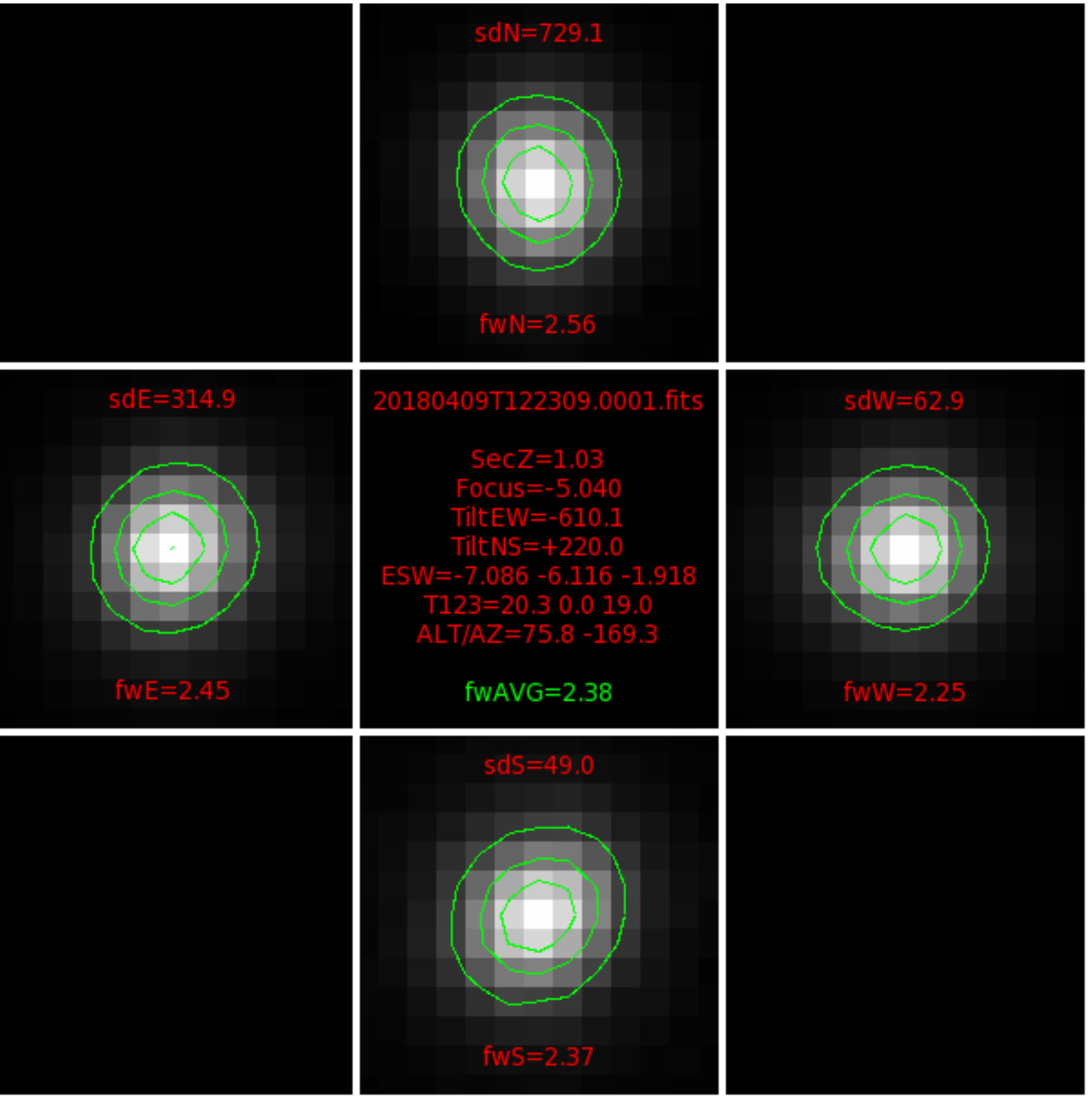
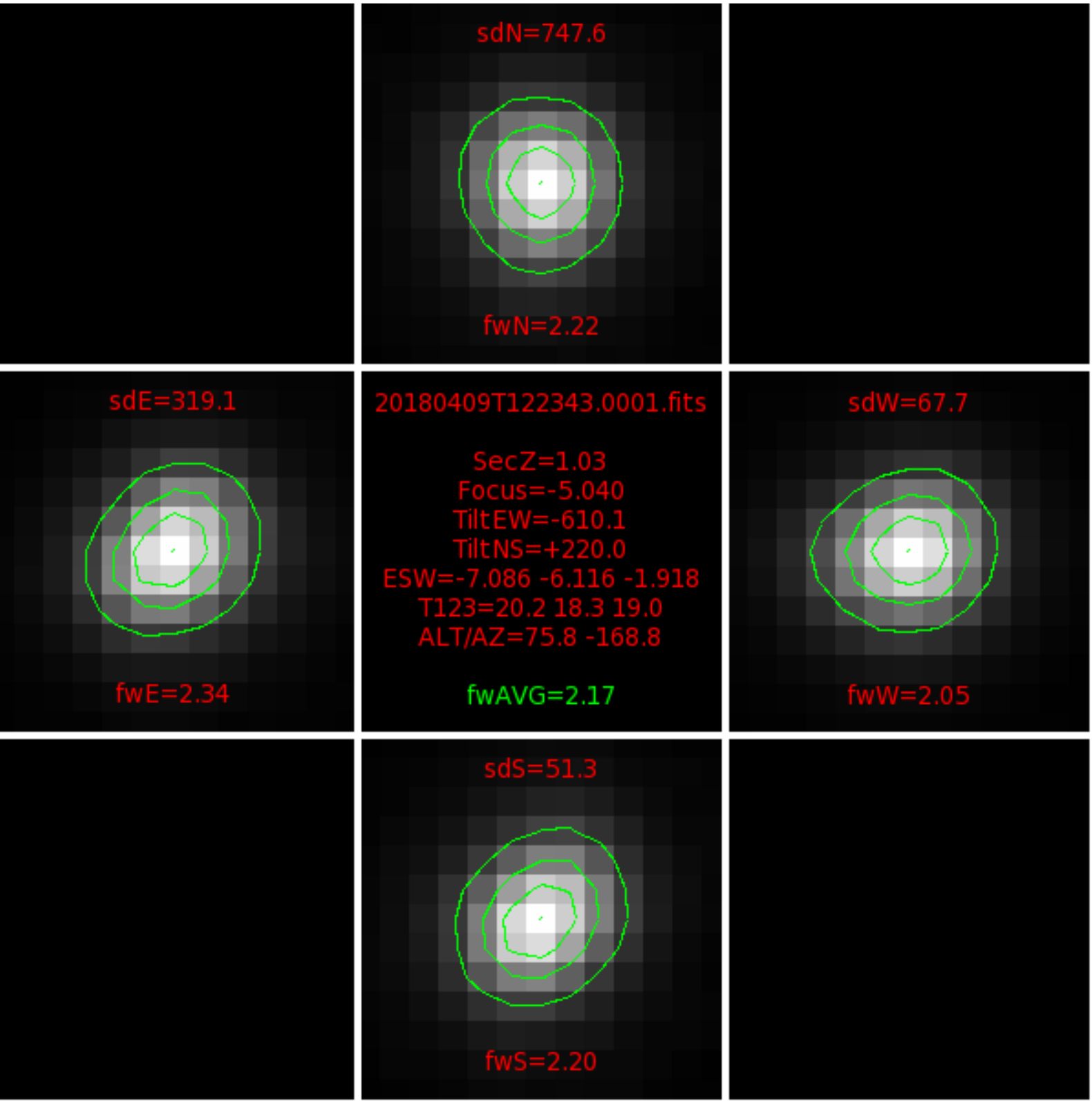
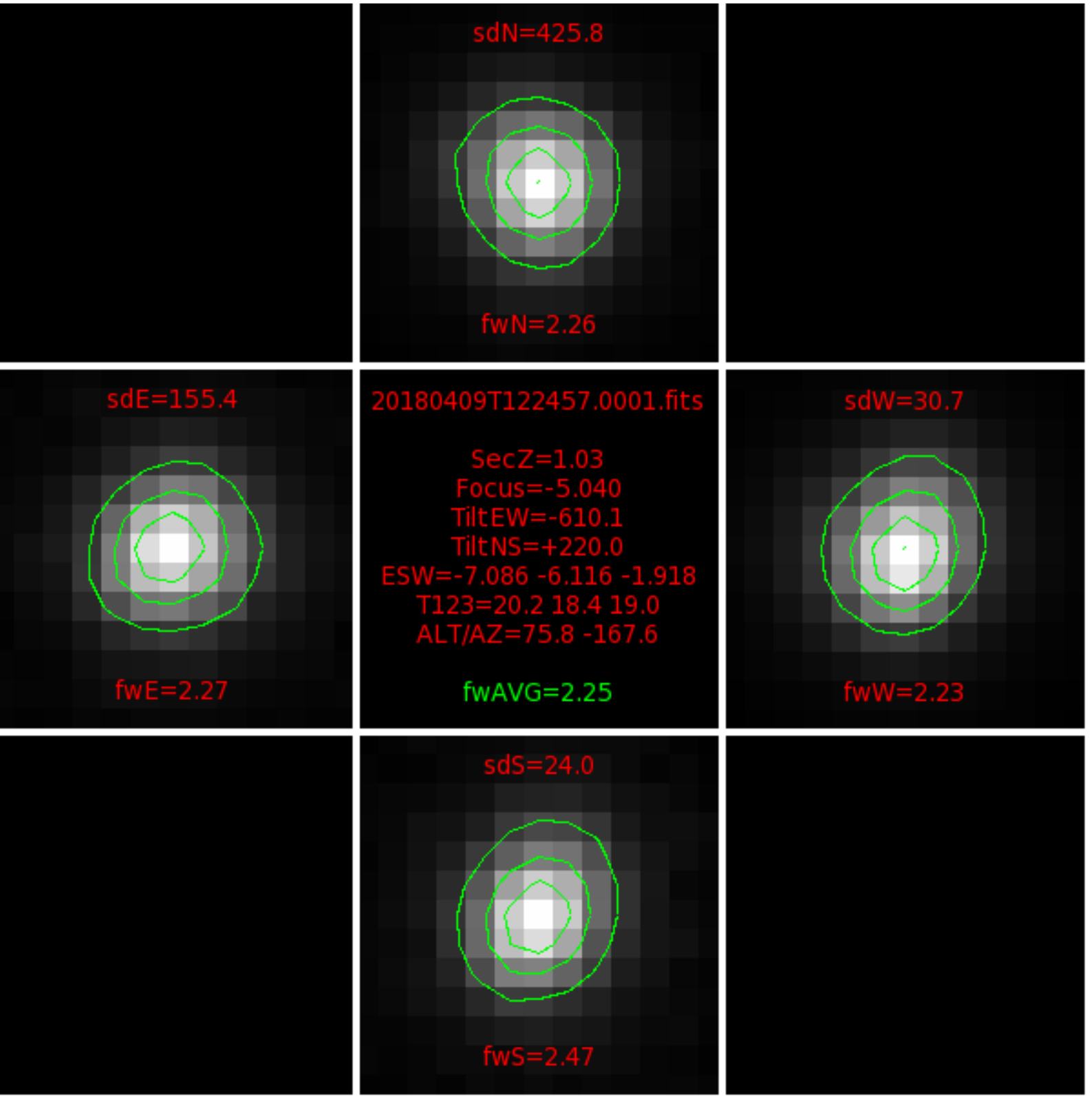
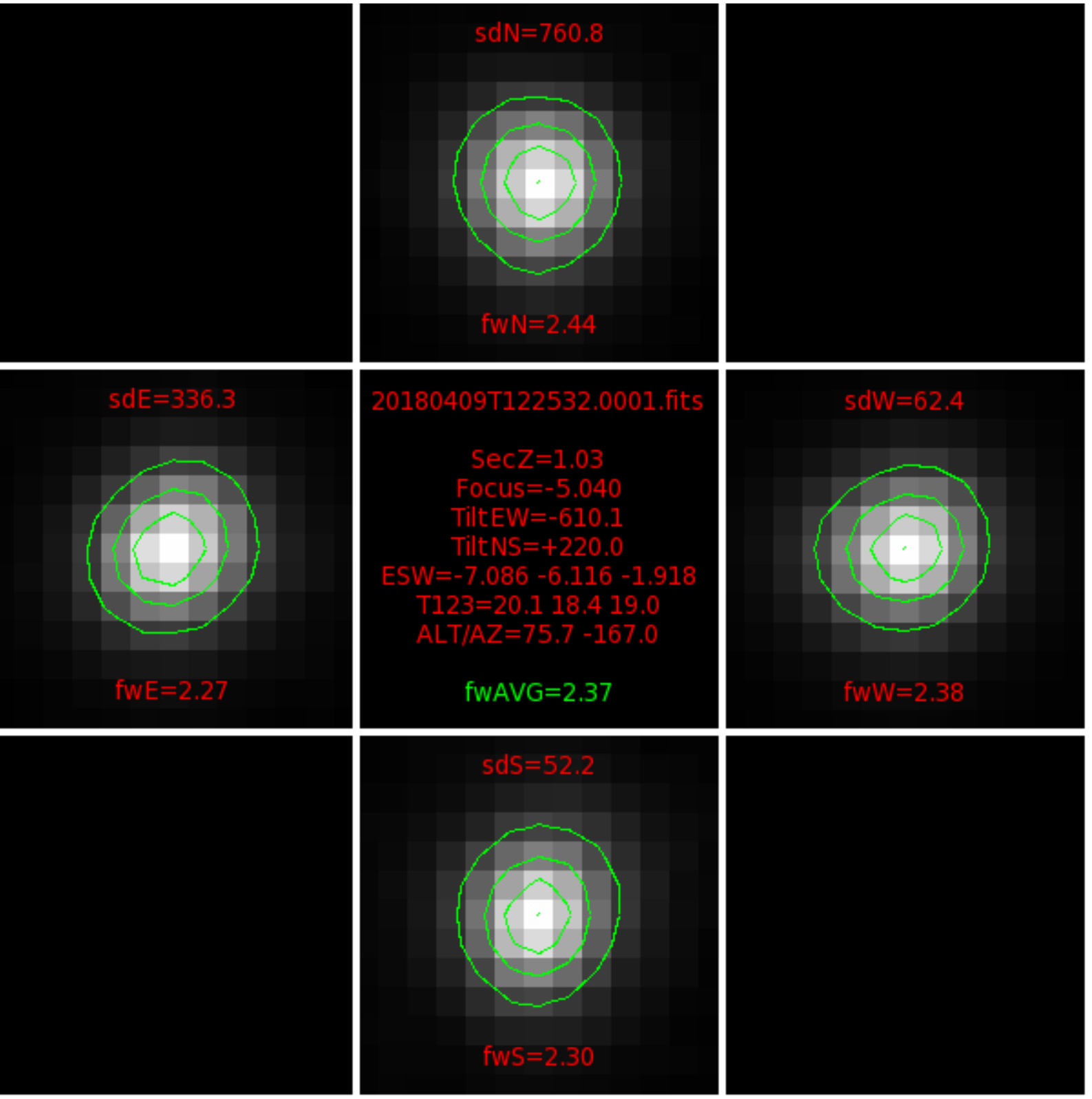

sdN=729.1
fwN=2.56
sdE=314.9
fwE=2.45
20180409T122309.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.3 0.0 19.0
ALT/AZ=75.8 -169.3
fwAVG=2.38
sdW=62.9
fwW=2.25
sdS=49.0
fwS=2.37
0 0 0 0 0 0 0 0 0


sdN=747.6
fwN=2.22
sdE=319.1
fwE=2.34
20180409T122343.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.2 18.3 19.0
ALT/AZ=75.8 -168.8
fwAVG=2.17
sdW=67.7
fwW=2.05
sdS=51.3
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=425.8
fwN=2.26
sdE=155.4
fwE=2.27
20180409T122457.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.2 18.4 19.0
ALT/AZ=75.8 -167.6
fwAVG=2.25
sdW=30.7
fwW=2.23
sdS=24.0
fwS=2.47
0 0 0 0 0 0 0 0 0


sdN=760.8
fwN=2.44
sdE=336.3
fwE=2.27
20180409T122532.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.1 18.4 19.0
ALT/AZ=75.7 -167.0
fwAVG=2.37
sdW=62.4
fwW=2.38
sdS=52.2
fwS=2.30
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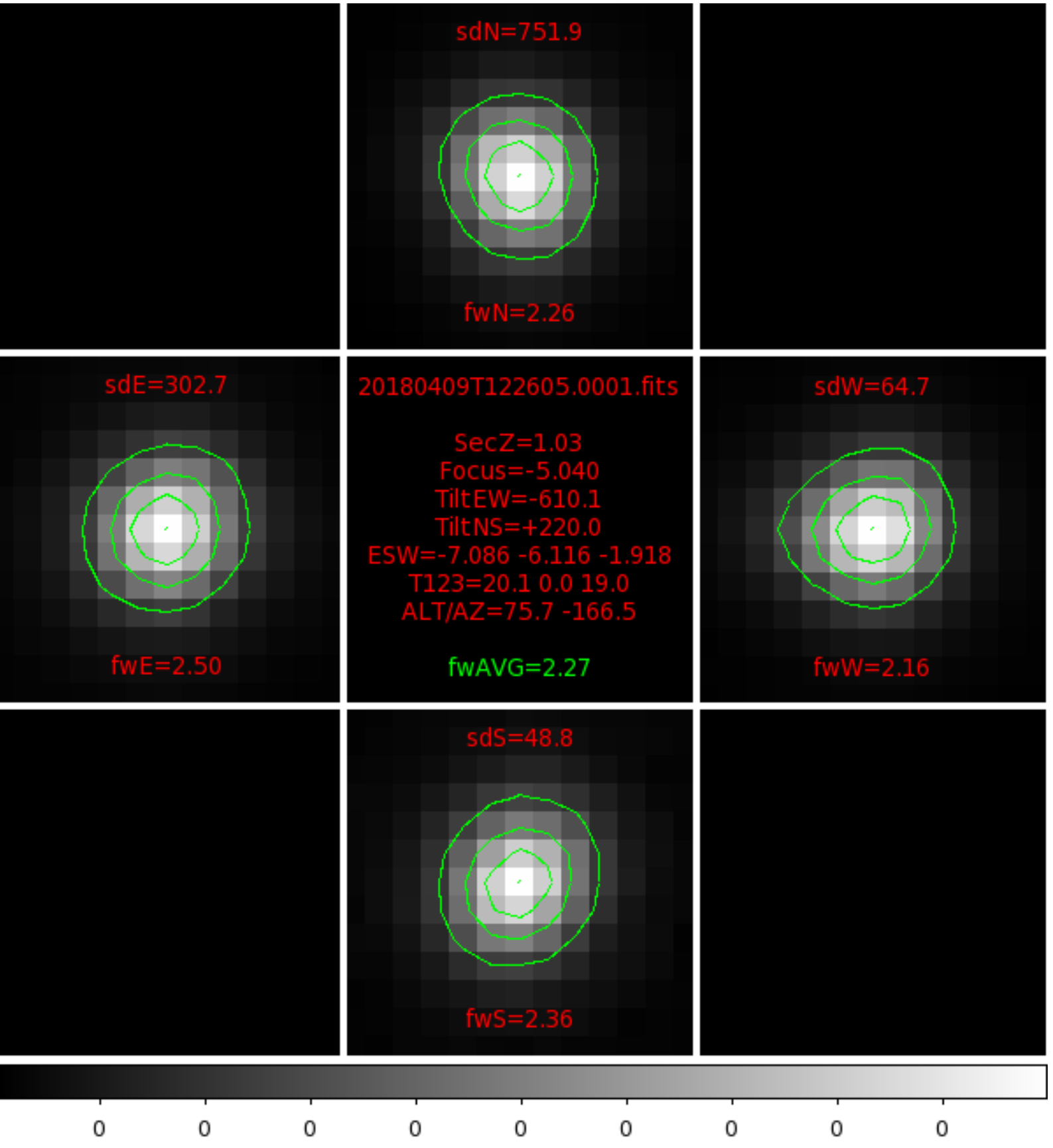
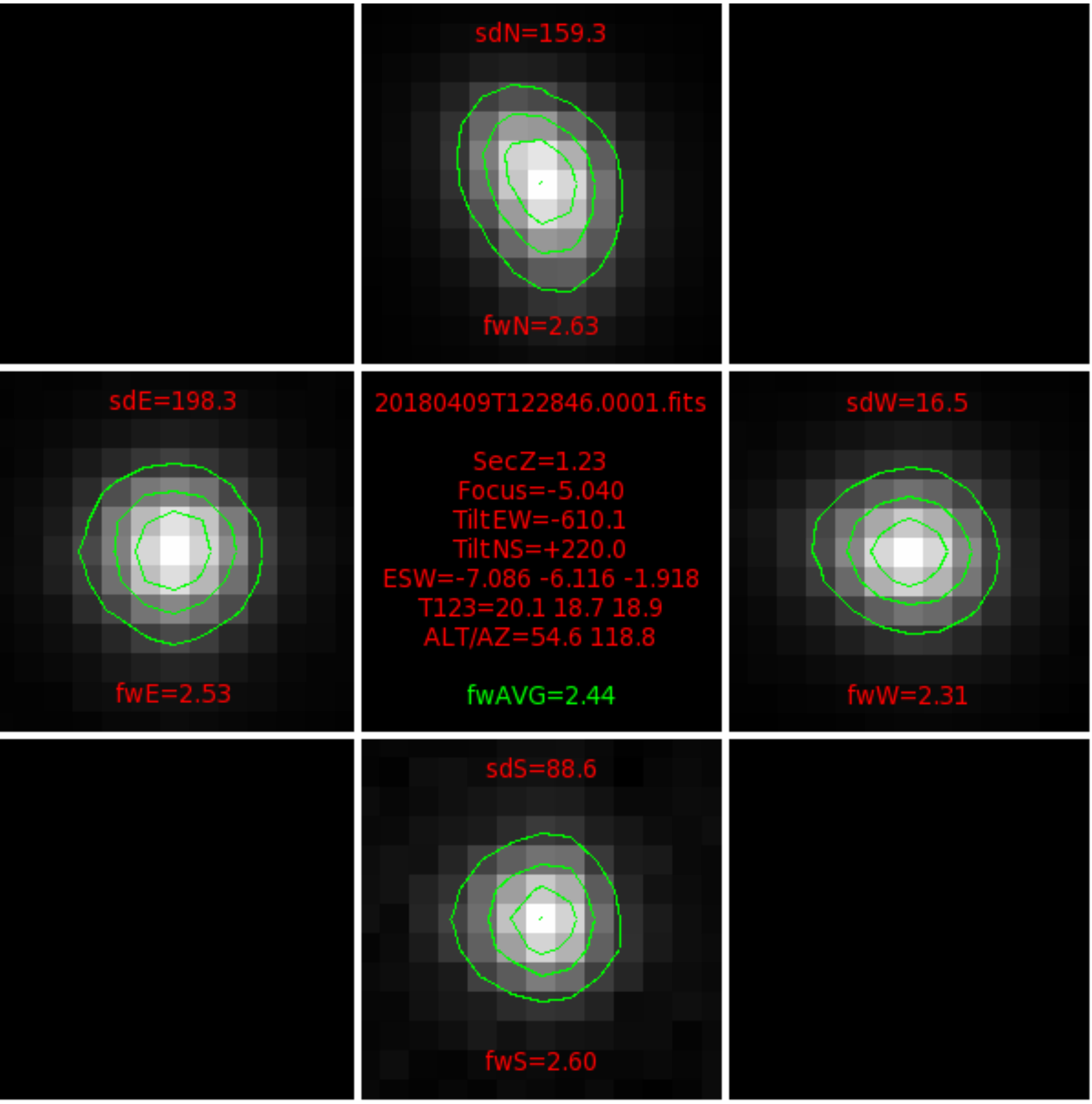

sdN=751.9
fwN=2.26
sdE=302.7
fwE=2.50
20180409T122605.0001.fits
SecZ=1.03
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.1 0.0 19.0
ALT/AZ=75.7 -166.5
fwAVG=2.27
sdW=64.7
fwW=2.16
sdS=48.8
fwS=2.36
0 0 0 0 0 0 0 0 0


sdN=159.3
fwN=2.63
sdE=198.3
fwE=2.53
20180409T122846.0001.fits
SecZ=1.23
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.1 18.7 18.9
ALT/AZ=54.6 118.8
fwAVG=2.44
sdW=16.5
fwW=2.31
sdS=88.6
fwS=2.60
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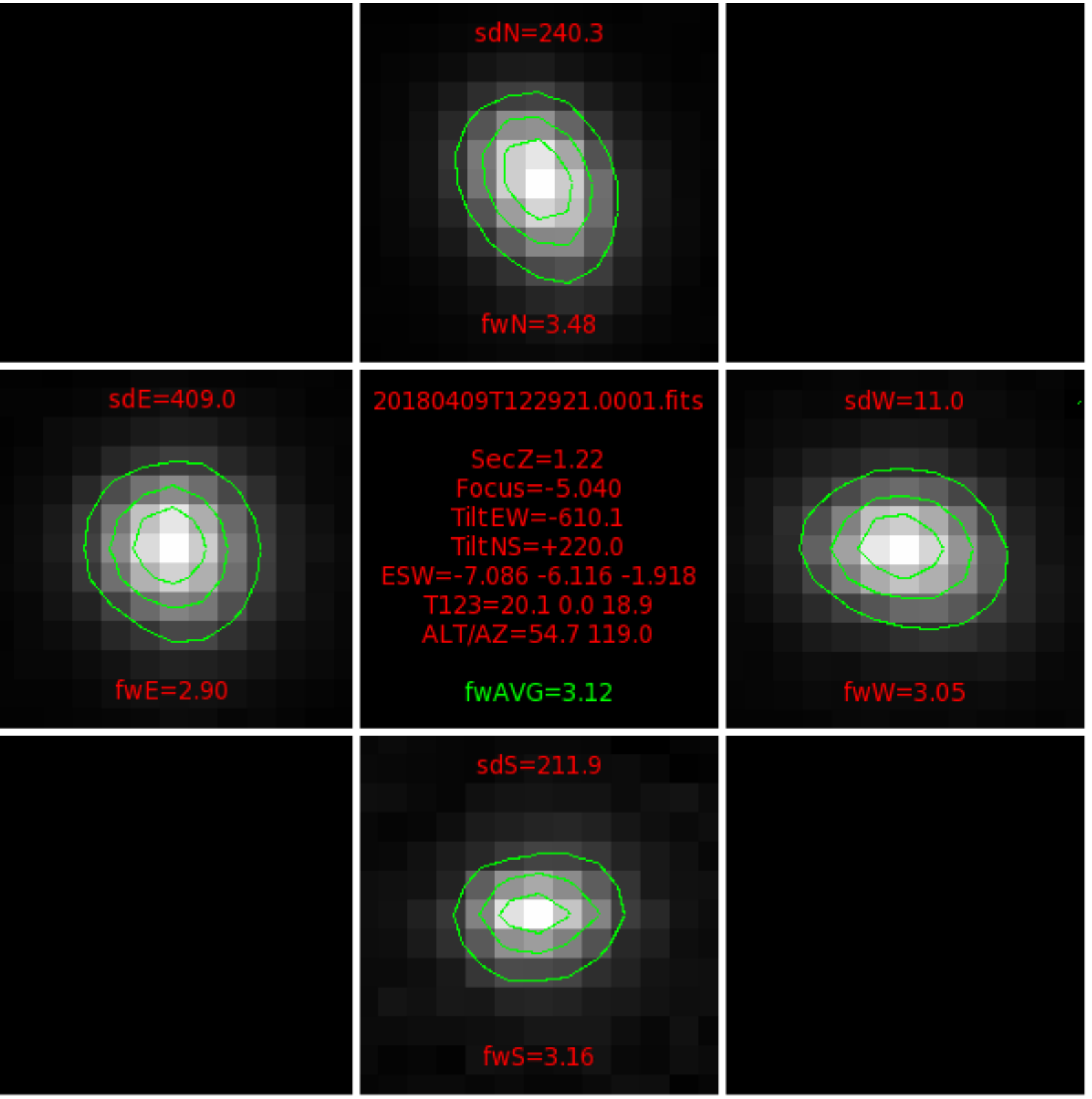
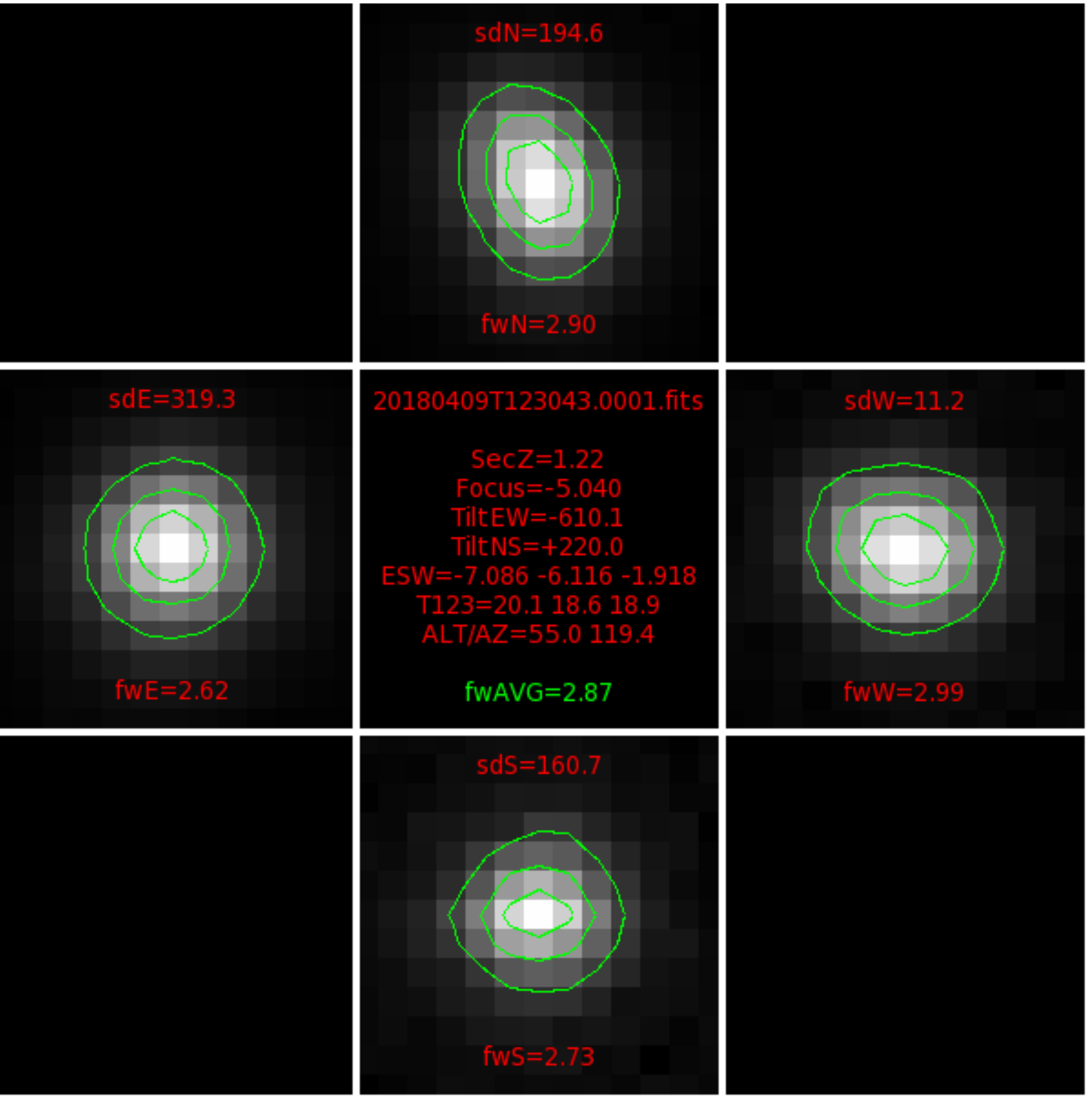

sdN=240.3
fwN=3.48
sdE=409.0
fwE=2.90
20180409T122921.0001.fits
SecZ=1.22
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.1 0.0 18.9
ALT/AZ=54.7 119.0
fwAVG=3.12
sdW=11.0
fwW=3.05
sdS=211.9
fwS=3.16
0 0 0 0 0 0 0 0 0


sdN=194.6
fwN=2.90
sdE=319.3
fwE=2.62
20180409T123043.0001.fits
SecZ=1.22
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.1 18.6 18.9
ALT/AZ=55.0 119.4
fwAVG=2.87
sdW=11.2
fwW=2.99
sdS=160.7
fwS=2.73
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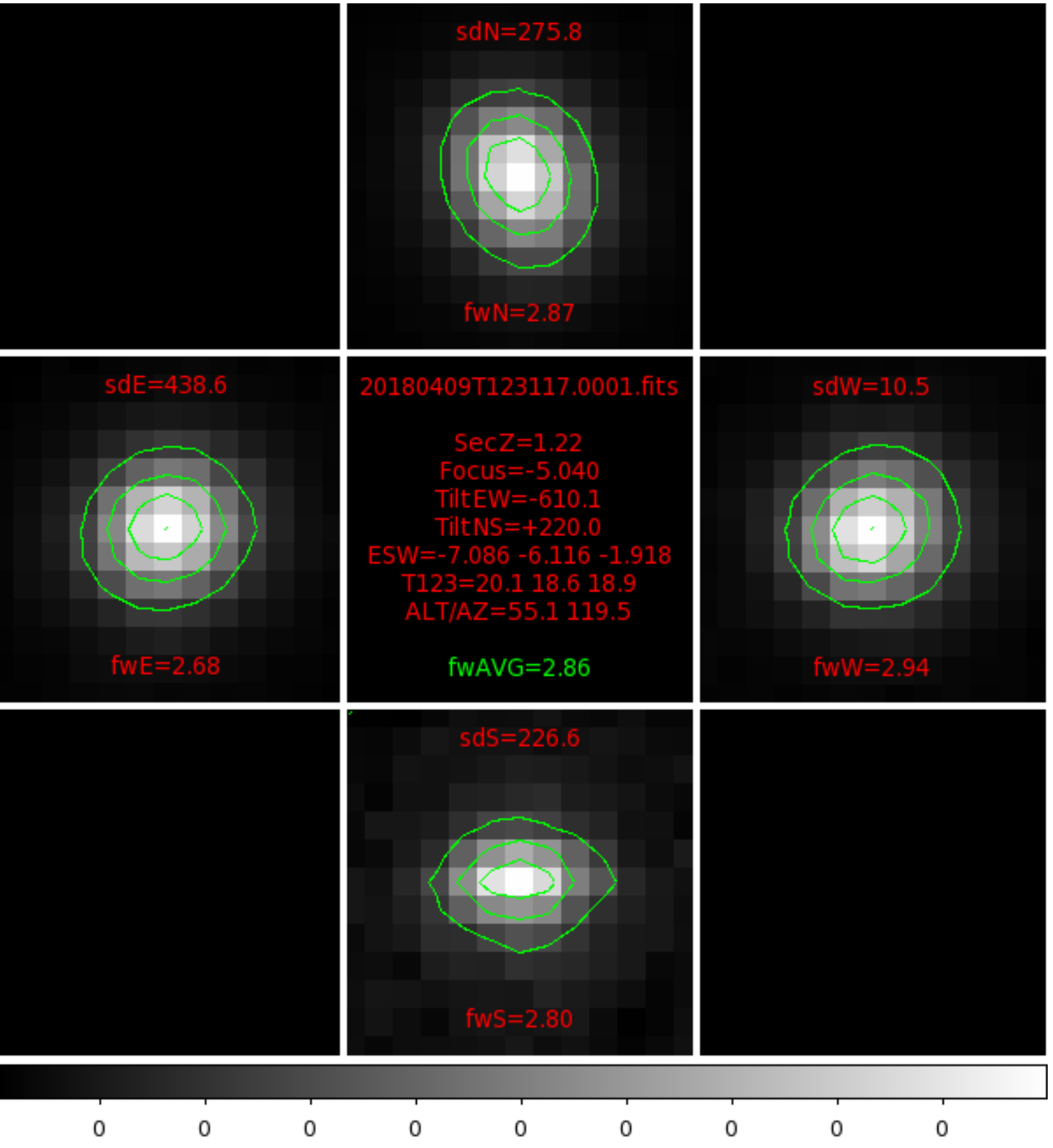
sdN=275.8
fwN=2.87
sdE=438.6
fwE=2.68
20180409T123117.0001.fits
SecZ=1.22
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.1 18.6 18.9
ALT/AZ=55.1 119.5
fwAVG=2.86
sdW=10.5
fwW=2.94
sdS=226.6
fwS=2.80
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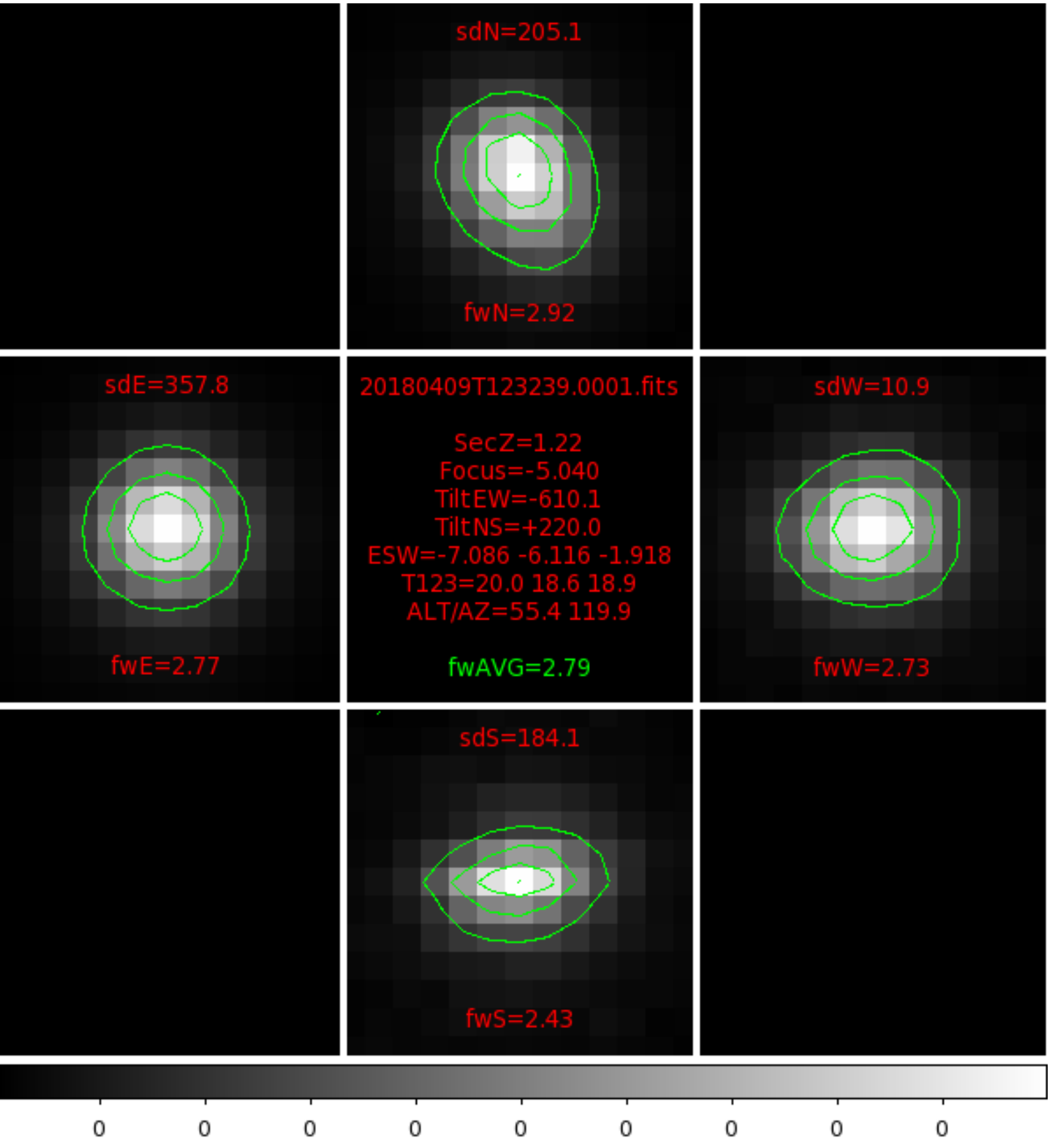
sdN=205.1
fwN=2.92
sdE=357.8
fwE=2.77
20180409T123239.0001.fits
SecZ=1.22
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.0 18.6 18.9
ALT/AZ=55.4 119.9
fwAVG=2.79
sdW=10.9
fwW=2.73
sdS=184.1
fwS=2.43
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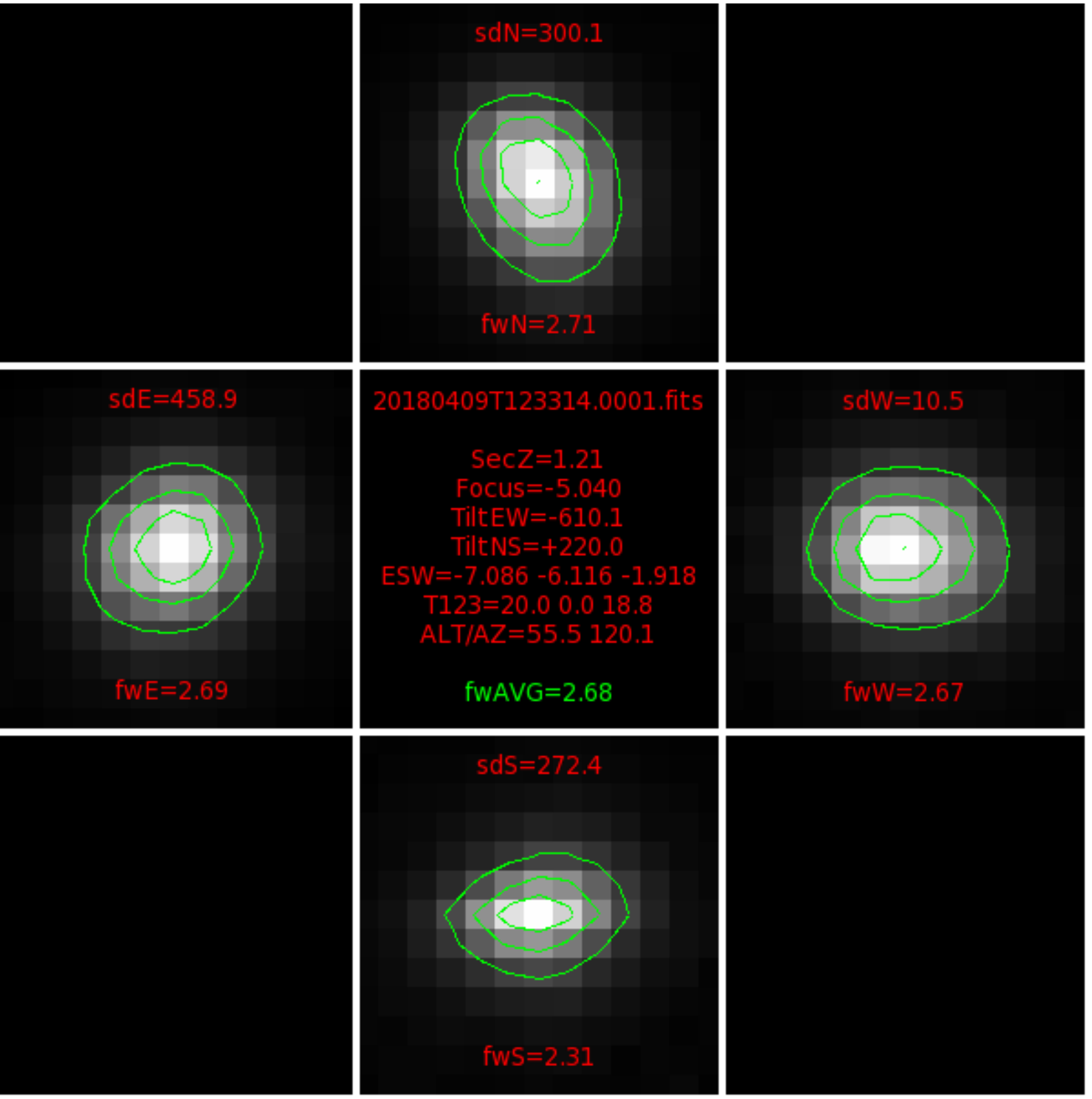
sdN=300.1
fwN=2.71
sdE=458.9
fwE=2.69
20180409T123314.0001.fits
SecZ=1.21
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.0 0.0 18.8
ALT/AZ=55.5 120.1
fwAVG=2.68
sdW=10.5
fwW=2.67
sdS=272.4
fwS=2.31
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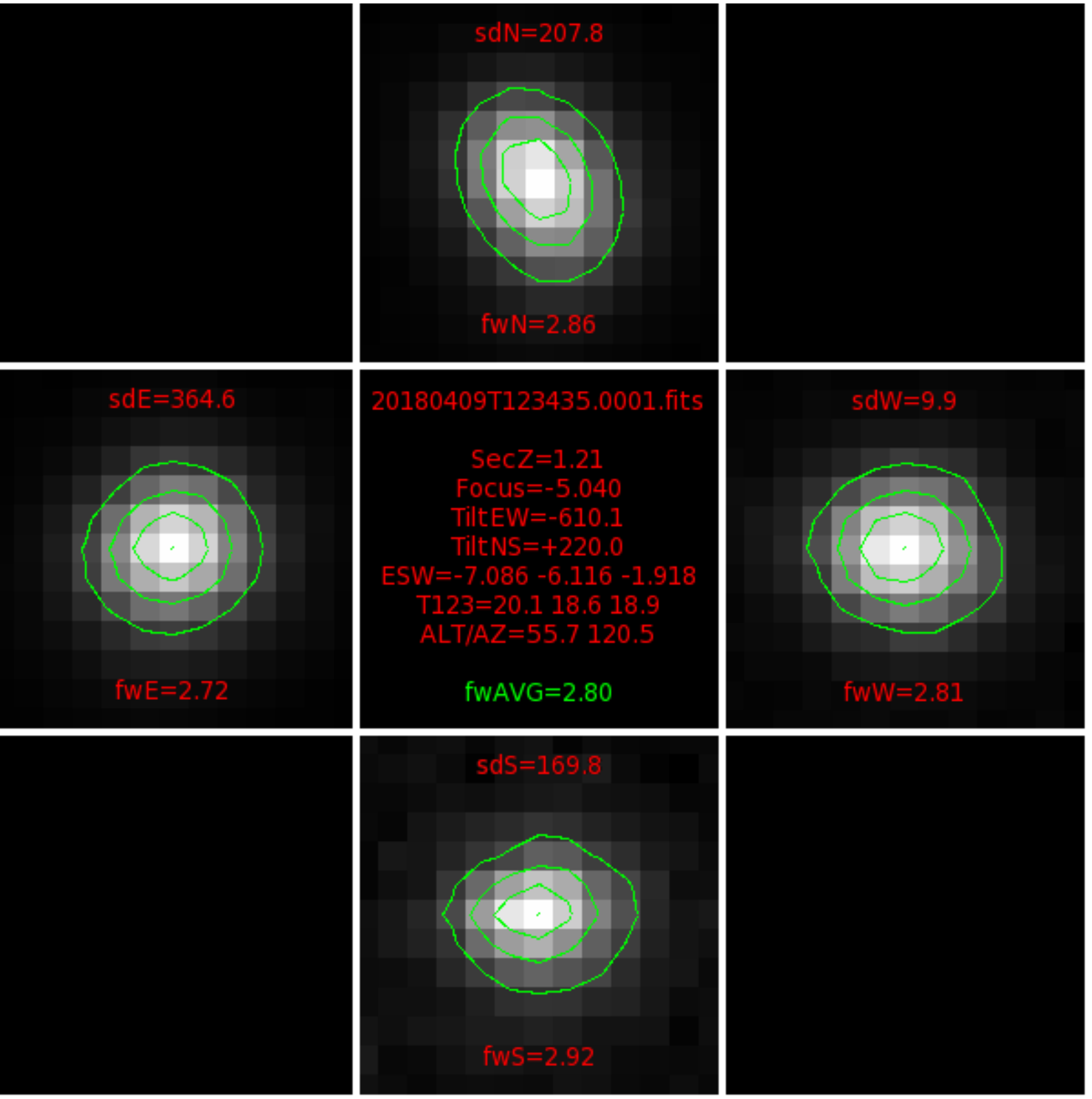
sdN=207.8
fwN=2.86
sdE=364.6
fwE=2.72
20180409T123435.0001.fits
SecZ=1.21
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.1 18.6 18.9
ALT/AZ=55.7 120.5
fwAVG=2.80
sdW=9.9
fwW=2.81
sdS=169.8
fwS=2.92
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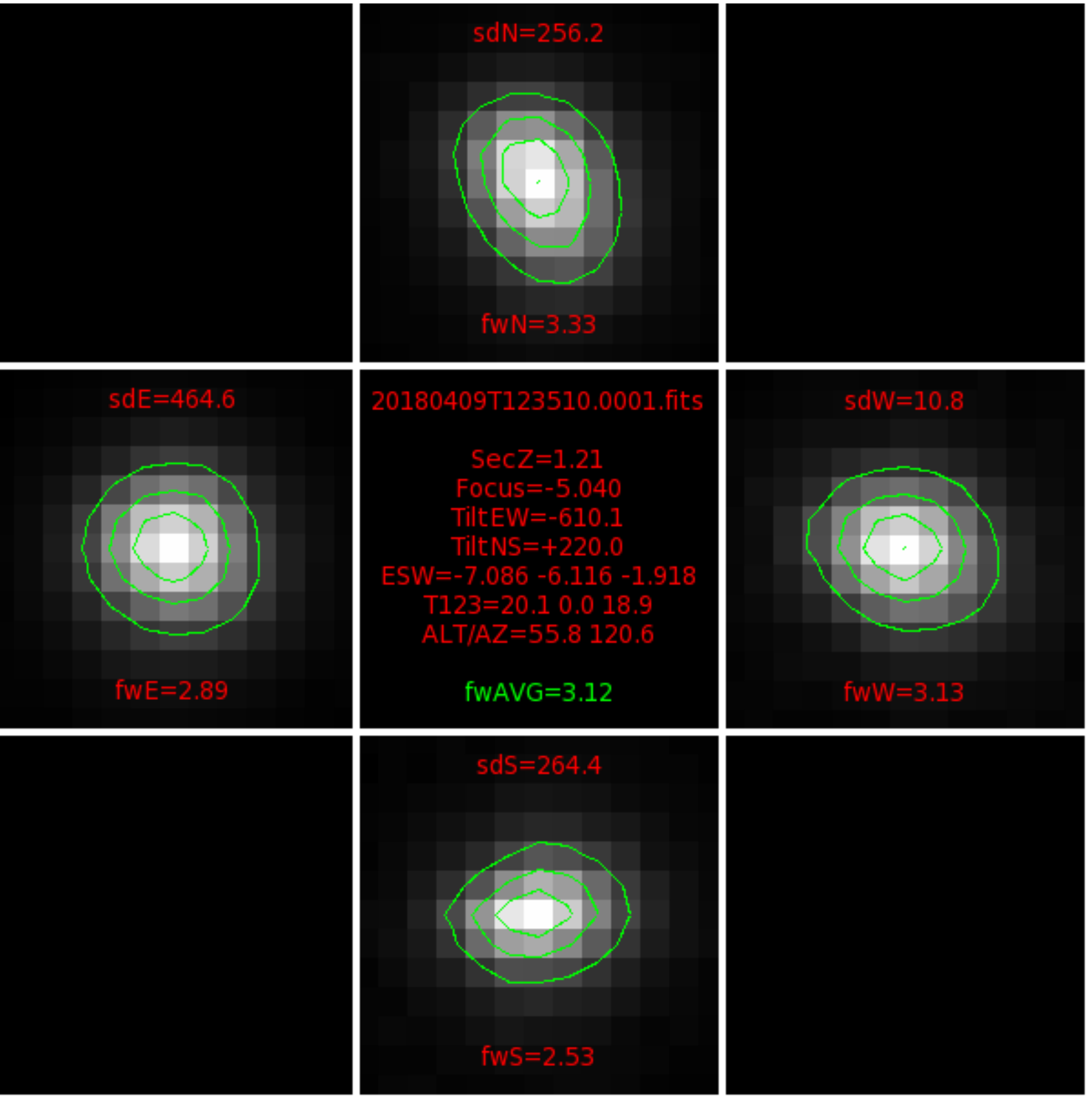
sdN=256.2
fwN=3.33
sdE=464.6
fwE=2.89
20180409T123510.0001.fits
SecZ=1.21
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.1 0.0 18.9
ALT/AZ=55.8 120.6
fwAVG=3.12
sdW=10.8
fwW=3.13
sdS=264.4
fwS=2.53
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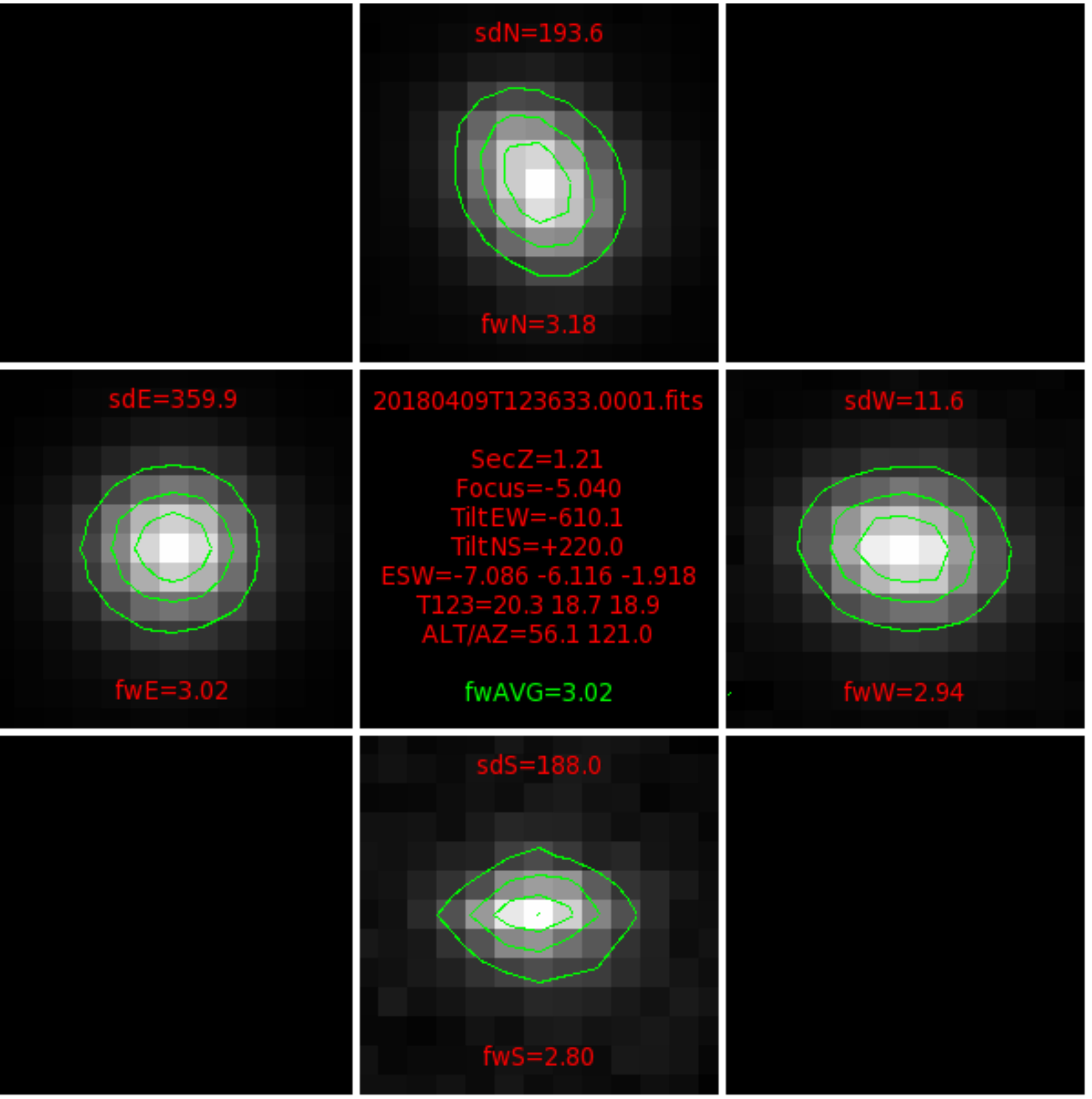
sdN=193.6
fwN=3.18
sdE=359.9
fwE=3.02
20180409T123633.0001.fits
SecZ=1.21
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.3 18.7 18.9
ALT/AZ=56.1 121.0
fwAVG=3.02
sdW=11.6
fwW=2.94
sdS=188.0
fwS=2.80
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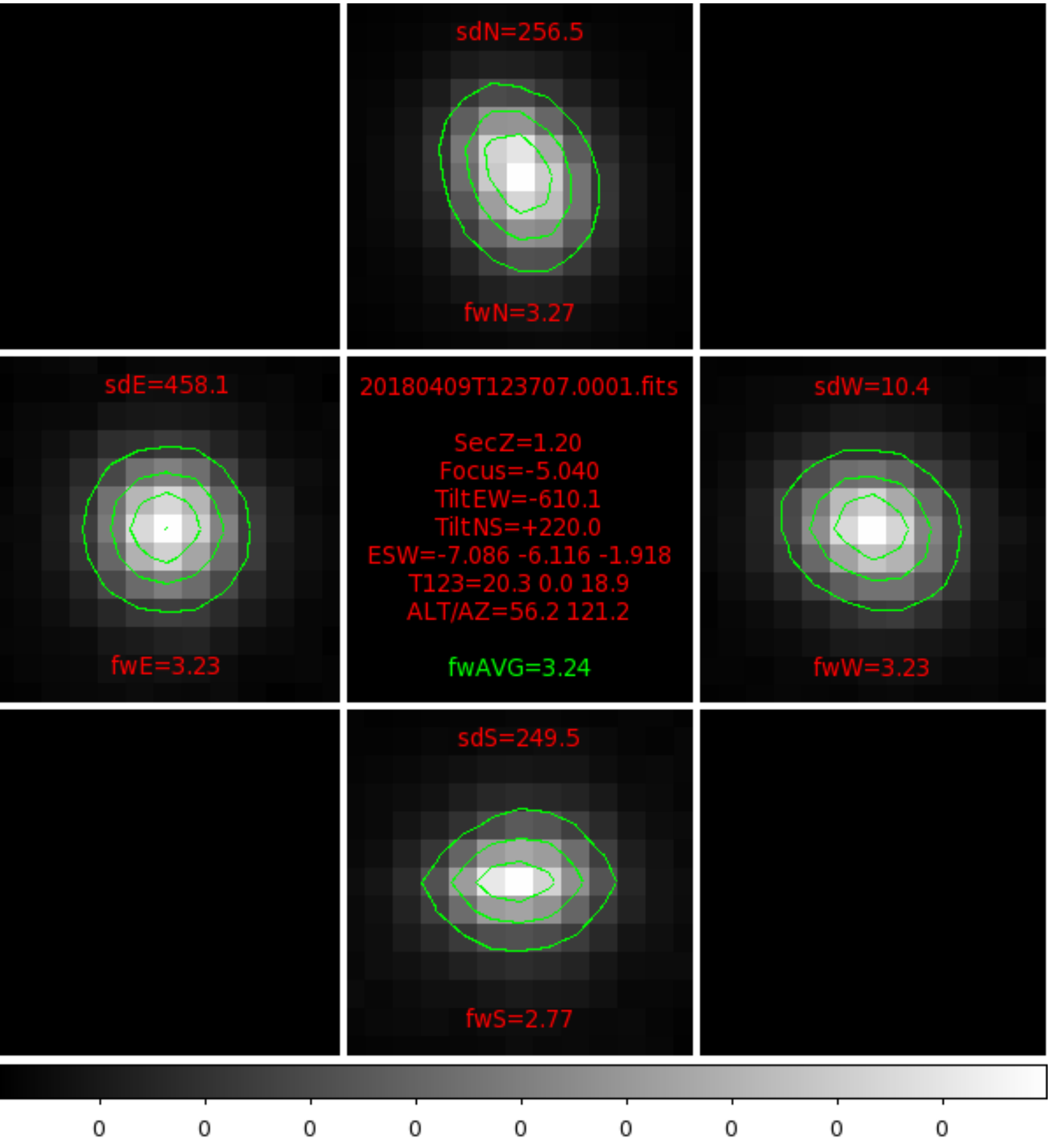
sdN=256.5
fwN=3.27
sdE=458.1
fwE=3.23
20180409T123707.0001.fits
SecZ=1.20
Focus=-5.040
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.086 -6.116 -1.918
T123=20.3 0.0 18.9
ALT/AZ=56.2 121.2
fwAVG=3.24
sdW=10.4
fwW=3.23
sdS=249.5
fwS=2.77
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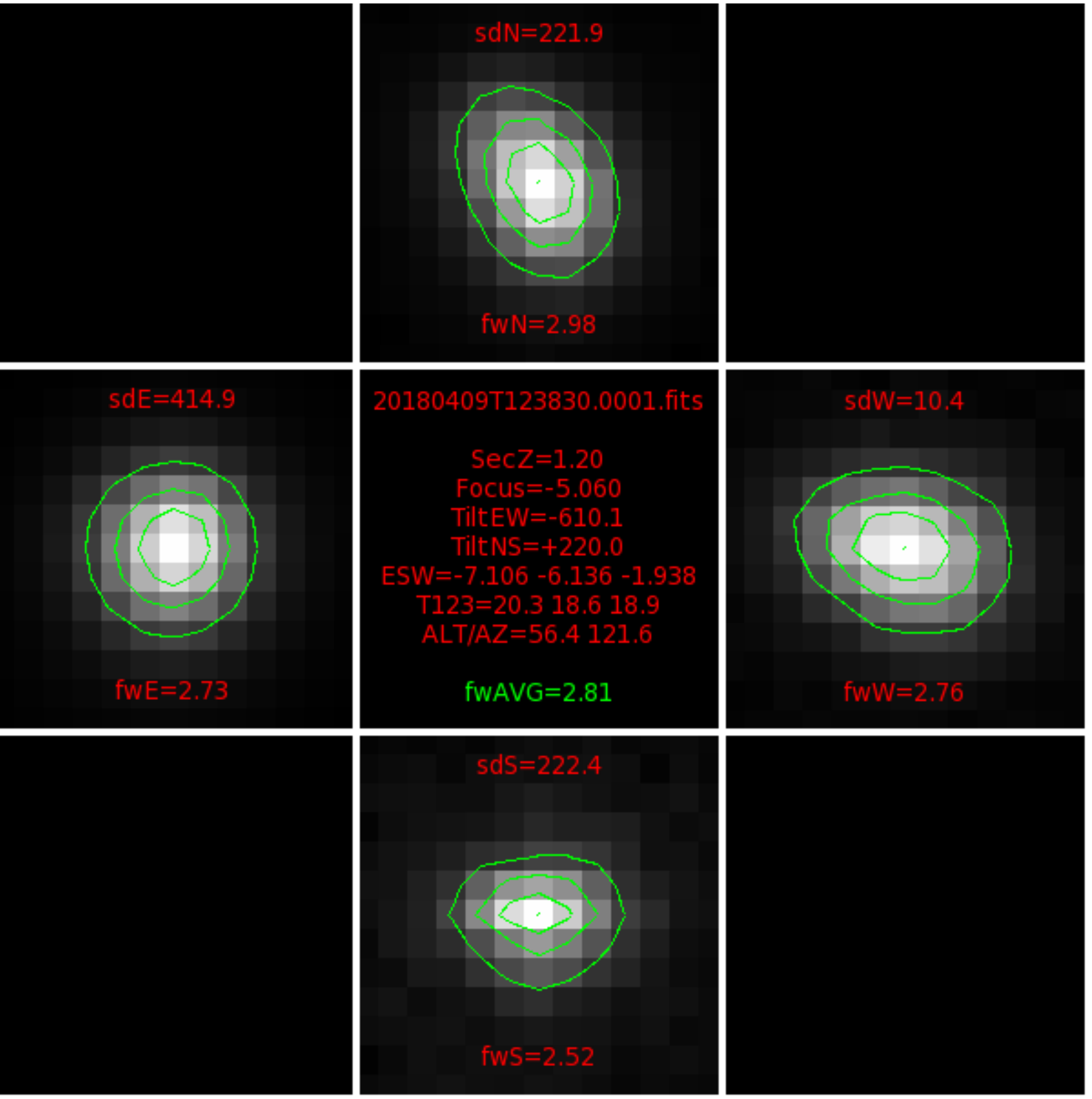
sdN=221.9
fwN=2.98
sdE=414.9
fwE=2.73
20180409T123830.0001.fits
SecZ=1.20
Focus=-5.060
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.106 -6.136 -1.938
T123=20.3 18.6 18.9
ALT/AZ=56.4 121.6
fwAVG=2.81
sdW=10.4
fwW=2.76
sdS=222.4
fwS=2.52
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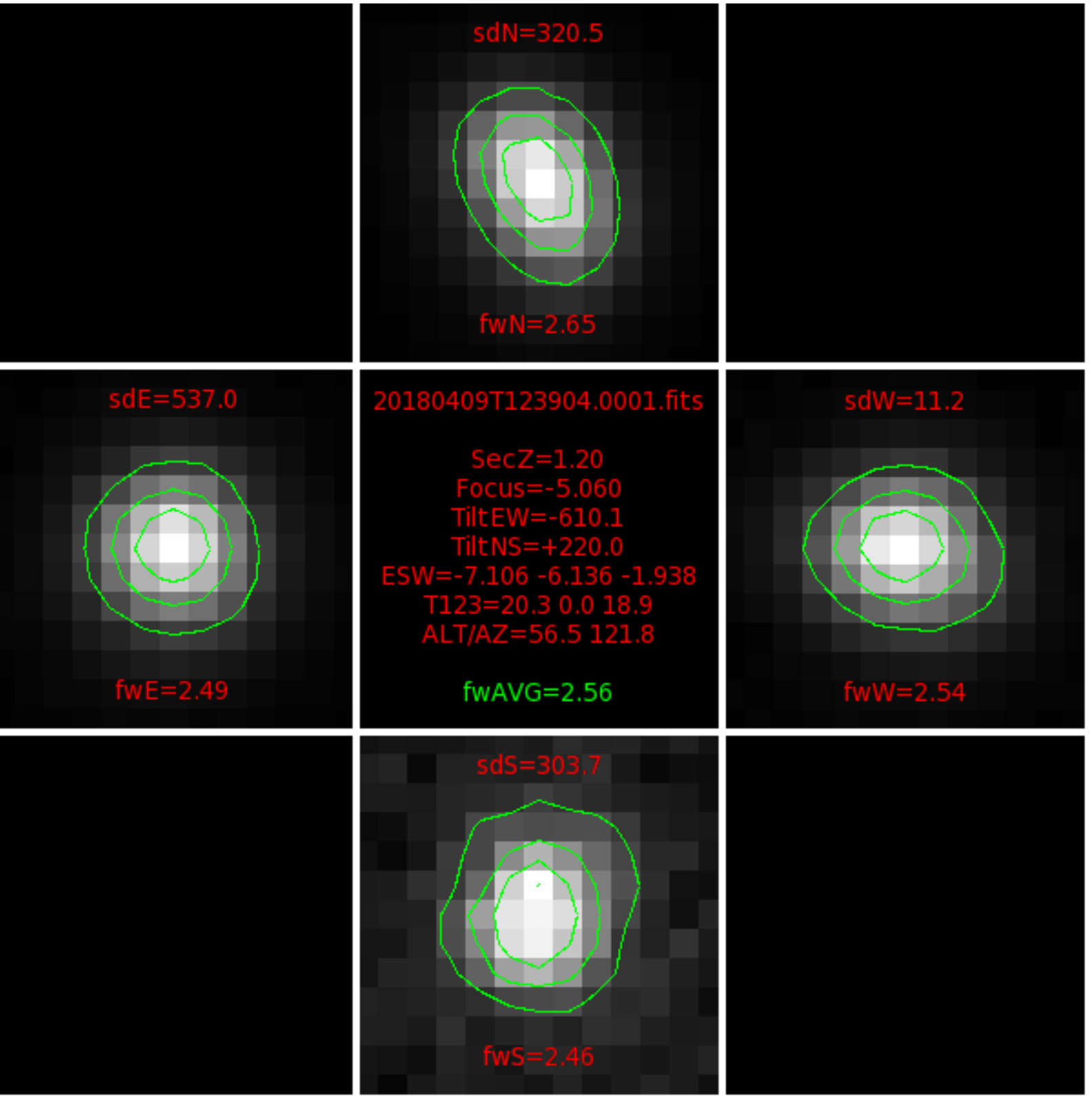
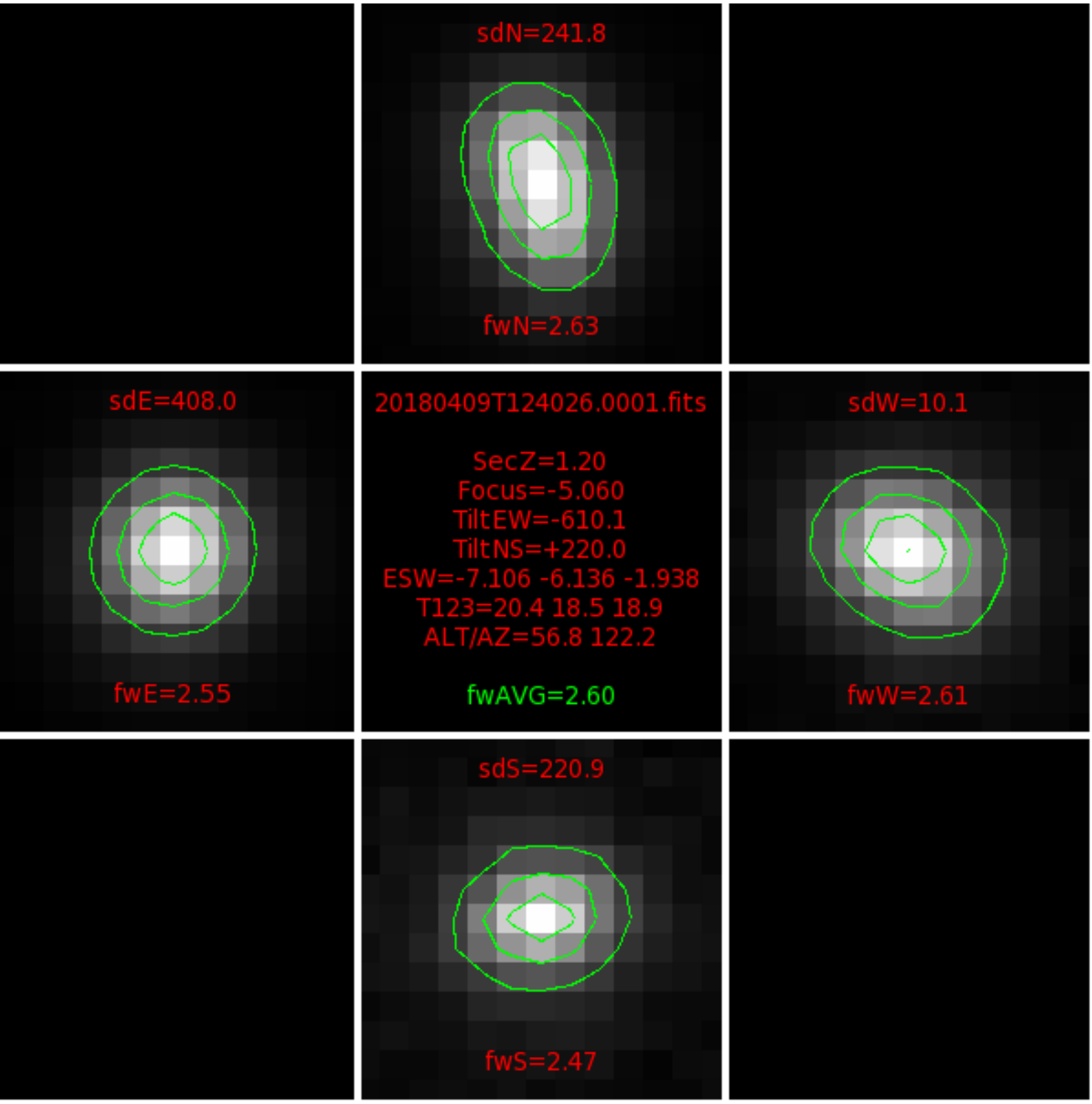

sdN=320.5
fwN=2.65
sdE=537.0
fwE=2.49
20180409T123904.0001.fits
SecZ=1.20
Focus=-5.060
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.106 -6.136 -1.938
T123=20.3 0.0 18.9
ALT/AZ=56.5 121.8
fwAVG=2.56
sdW=11.2
fwW=2.54
sdS=303.7
fwS=2.46
0 0 0 0 0 0 0 0 0


sdN=241.8
fwN=2.63
sdE=408.0
fwE=2.55
20180409T124026.0001.fits
SecZ=1.20
Focus=-5.060
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.106 -6.136 -1.938
T123=20.4 18.5 18.9
ALT/AZ=56.8 122.2
fwAVG=2.60
sdW=10.1
fwW=2.61
sdS=220.9
fwS=2.47
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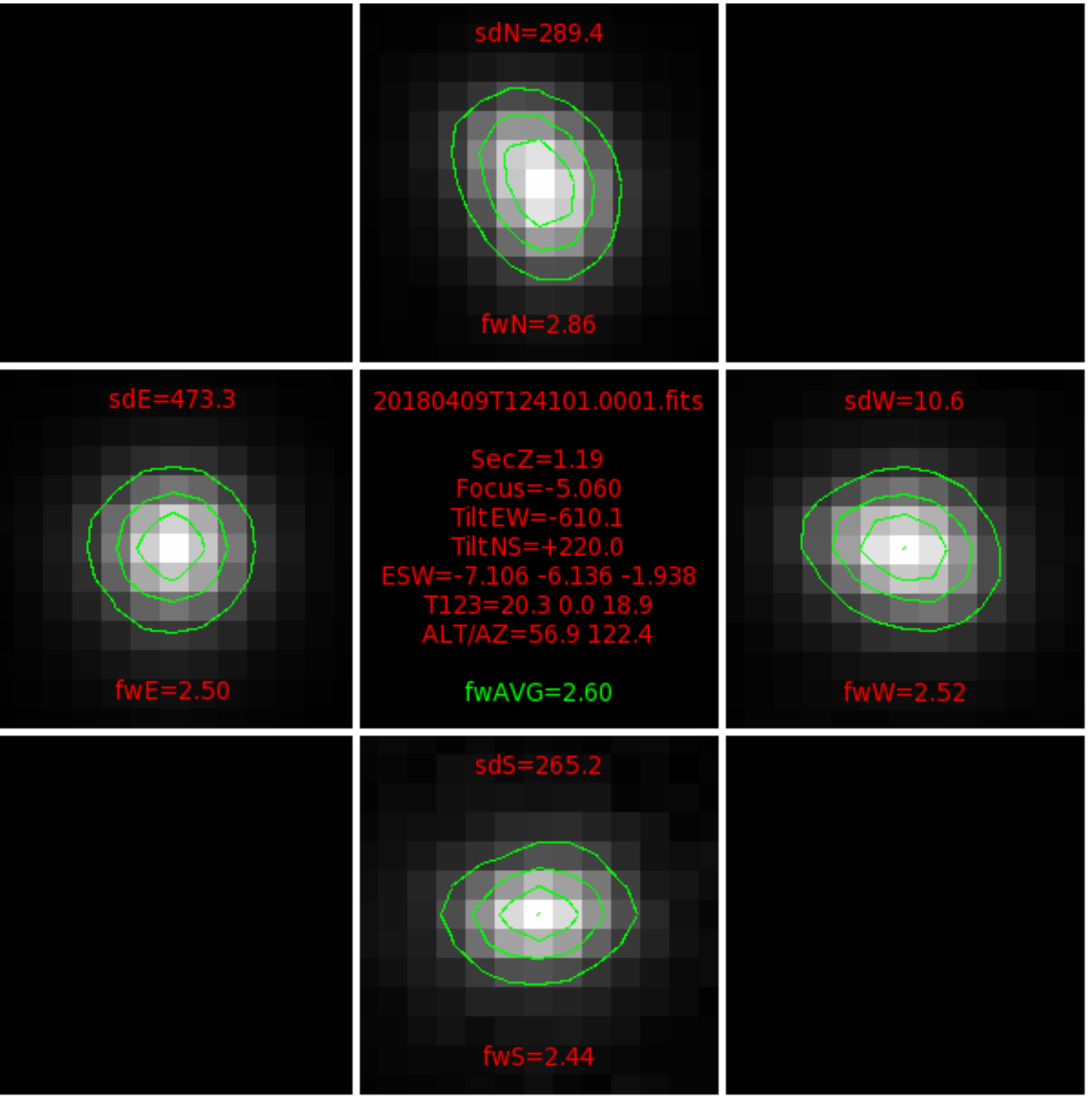
sdN=289.4
fwN=2.86
sdE=473.3
fwE=2.50
20180409T124101.0001.fits
SecZ=1.19
Focus=-5.060
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.106 -6.136 -1.938
T123=20.3 0.0 18.9
ALT/AZ=56.9 122.4
fwAVG=2.60
sdW=10.6
fwW=2.52
sdS=265.2
fwS=2.44
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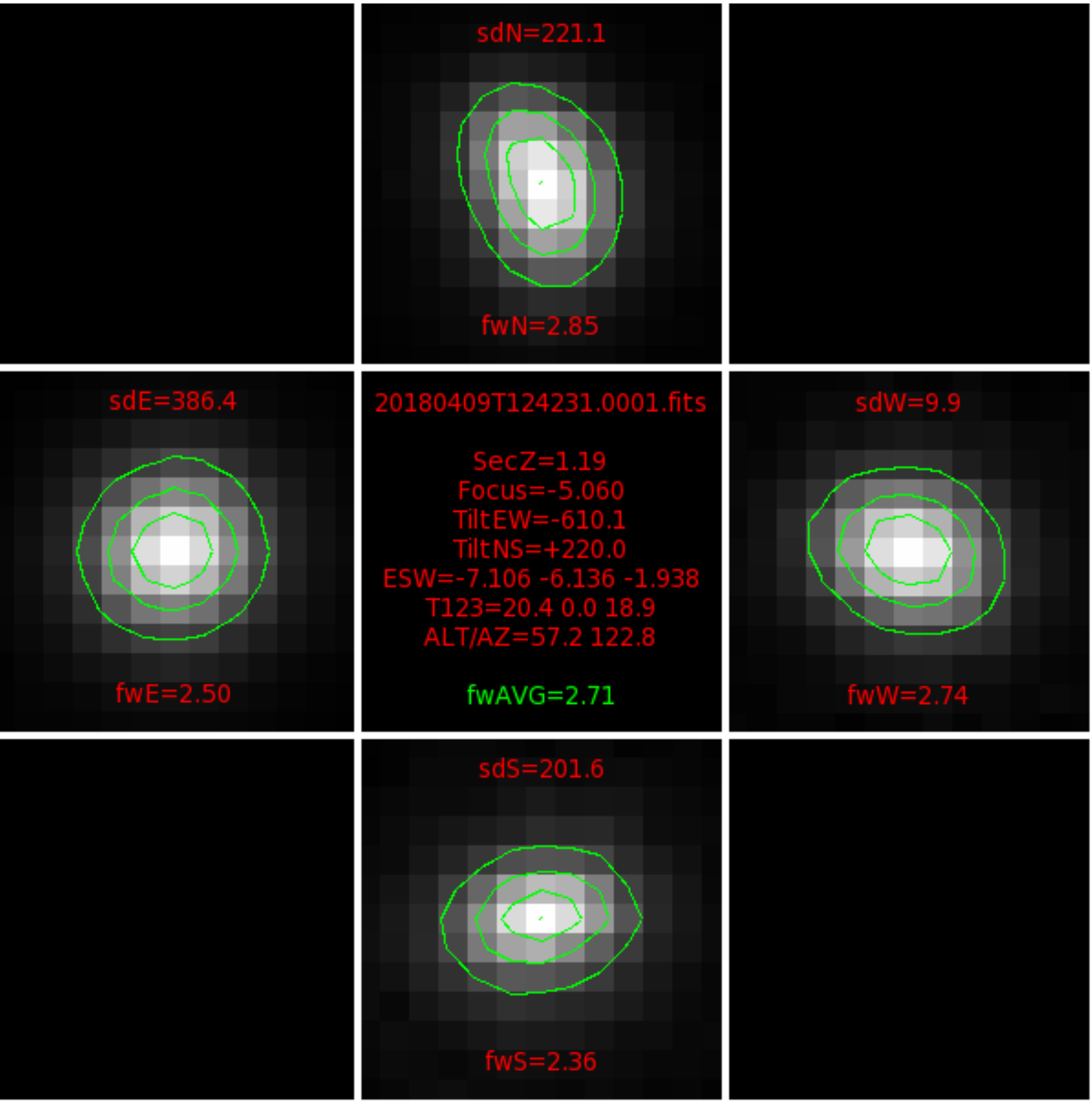
sdN=221.1
fwN=2.85
sdE=386.4
fwE=2.50
20180409T124231.0001.fits
SecZ=1.19
Focus=-5.060
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.106 -6.136 -1.938
T123=20.4 0.0 18.9
ALT/AZ=57.2 122.8
fwAVG=2.71
sdW=9.9
fwW=2.74
sdS=201.6
fwS=2.36
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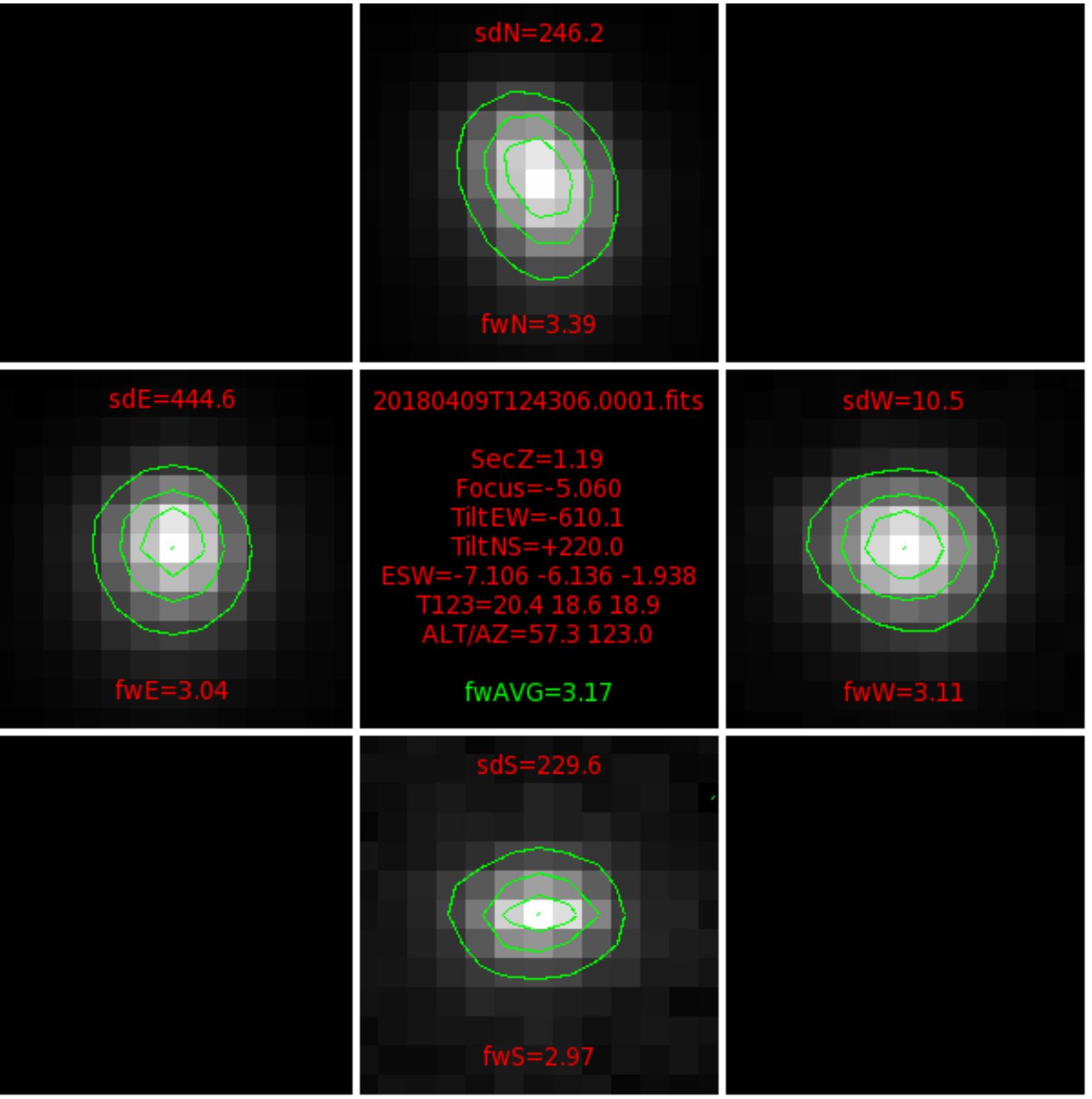
sdN=246.2
fwN=3.39
sdE=444.6
fwE=3.04
20180409T124306.0001.fits
SecZ=1.19
Focus=-5.060
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.106 -6.136 -1.938
T123=20.4 18.6 18.9
ALT/AZ=57.3 123.0
fwAVG=3.17
sdW=10.5
fwW=3.11
sdS=229.6
fwS=2.97
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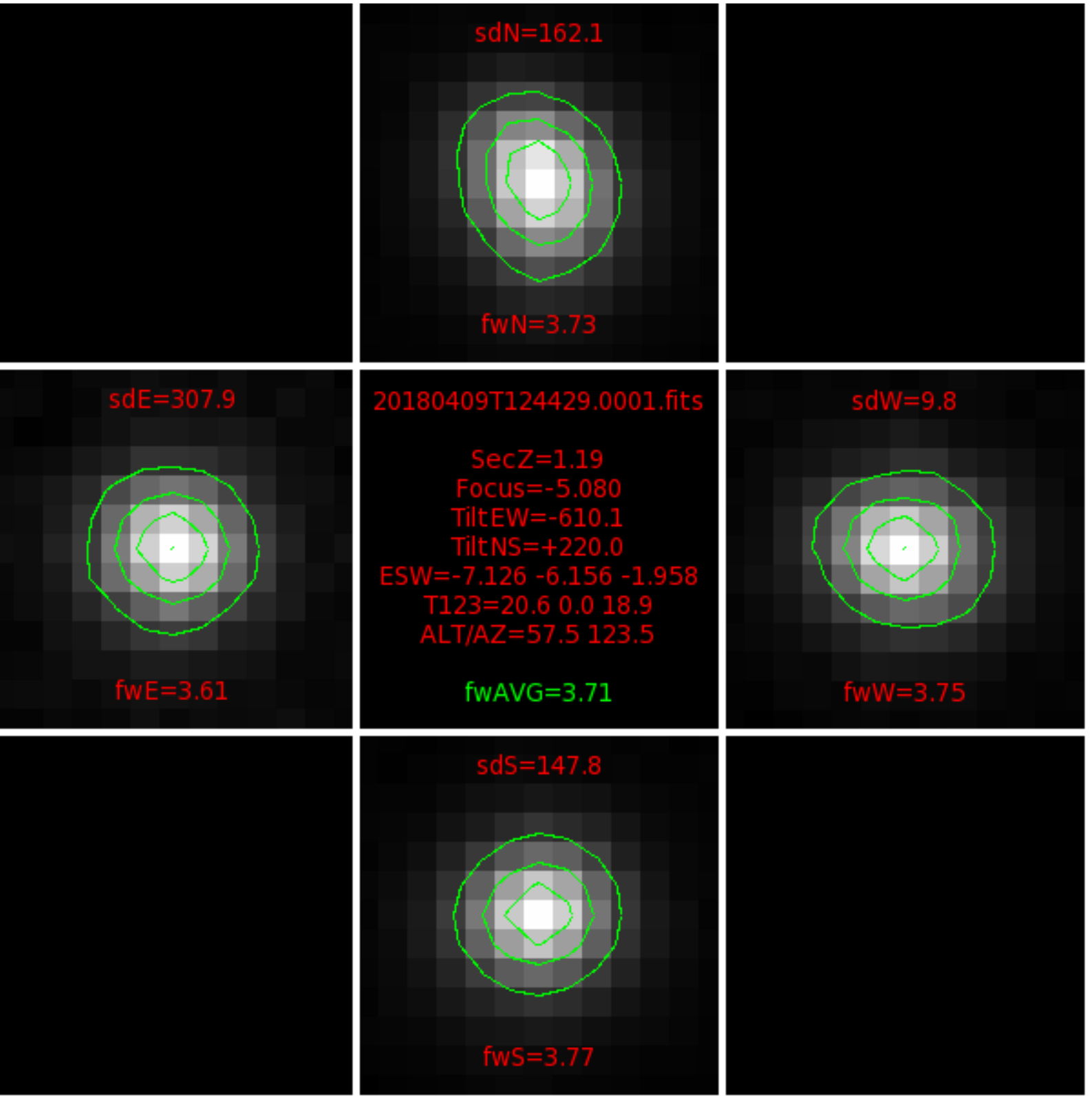
sdN=162.1
fwN=3.73
sdE=307.9
fwE=3.61
20180409T124429.0001.fits
SecZ=1.19
Focus=-5.080
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.126 -6.156 -1.958
T123=20.6 0.0 18.9
ALT/AZ=57.5 123.5
fwAVG=3.71
sdW=9.8
fwW=3.75
sdS=147.8
fwS=3.77
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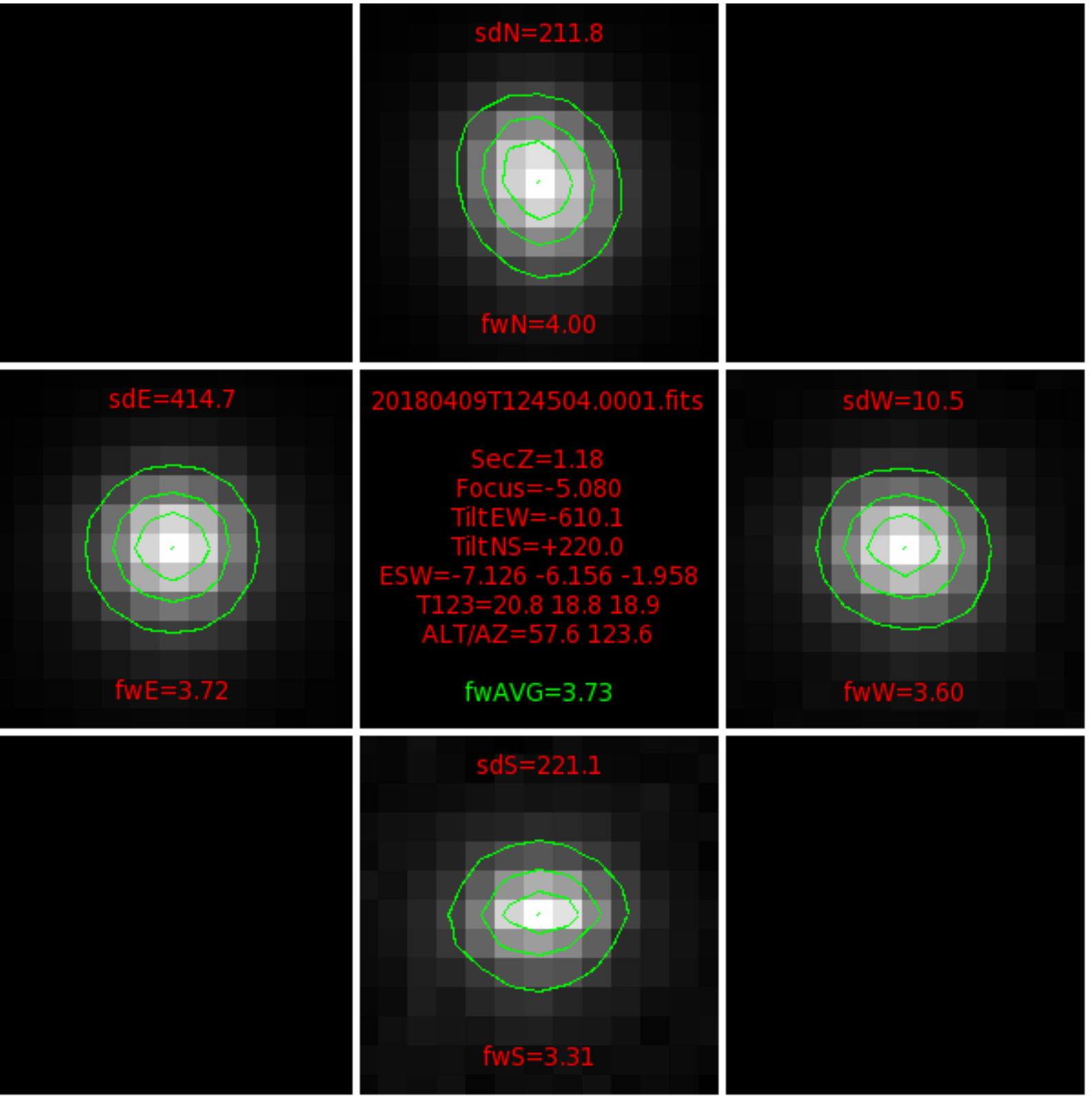
sdN=211.8
fwN=4.00
sdE=414.7
fwE=3.72
20180409T124504.0001.fits
SecZ=1.18
Focus=-5.080
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.126 -6.156 -1.958
T123=20.8 18.8 18.9
ALT/AZ=57.6 123.6
fwAVG=3.73
sdW=10.5
fwW=3.60
sdS=221.1
fwS=3.31
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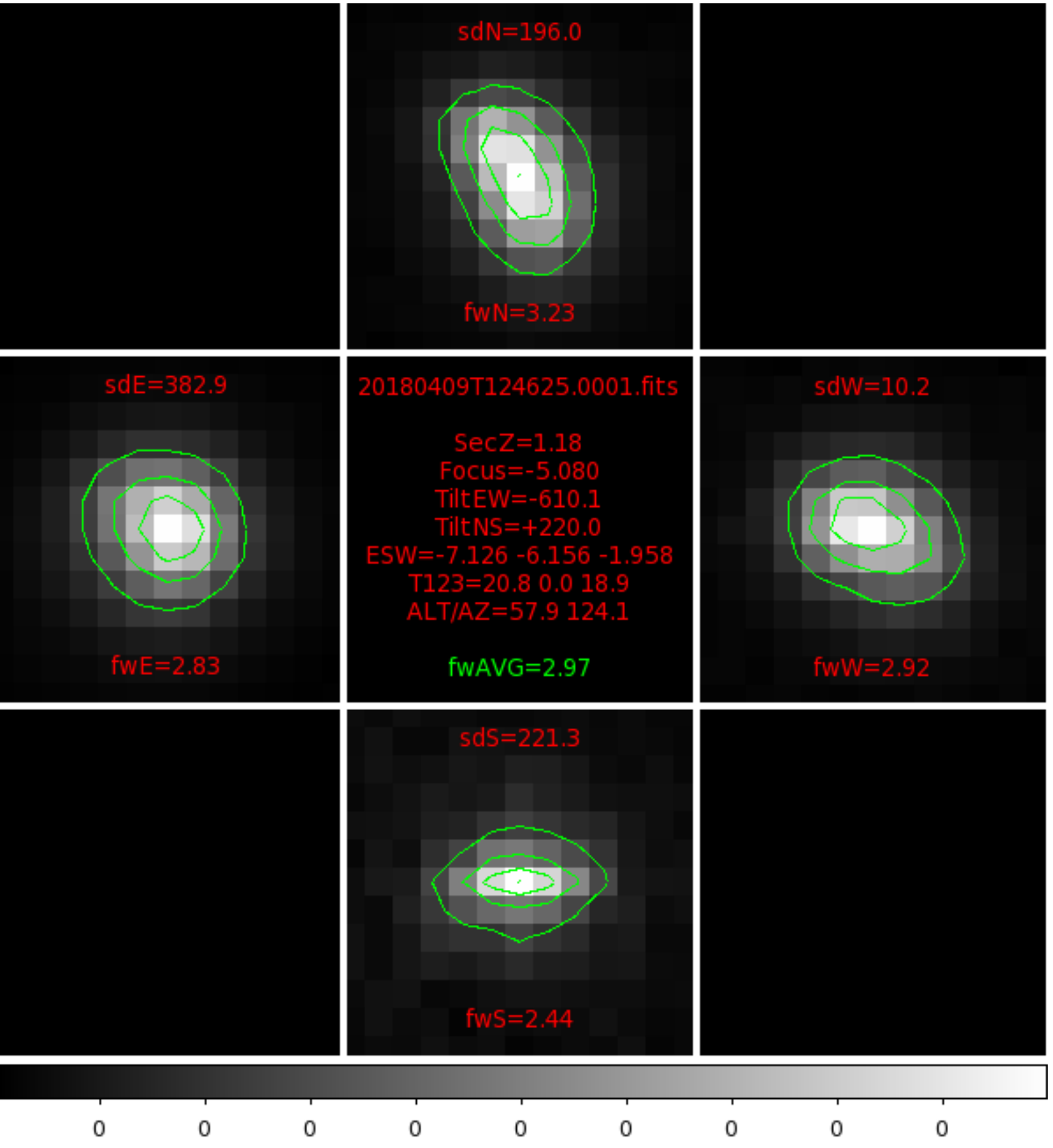
sdN=196.0
fwN=3.23
sdE=382.9
fwE=2.83
20180409T124625.0001.fits
SecZ=1.18
Focus=-5.080
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.126 -6.156 -1.958
T123=20.8 0.0 18.9
ALT/AZ=57.9 124.1
fwAVG=2.97
sdW=10.2
fwW=2.92
sdS=221.3
fwS=2.44
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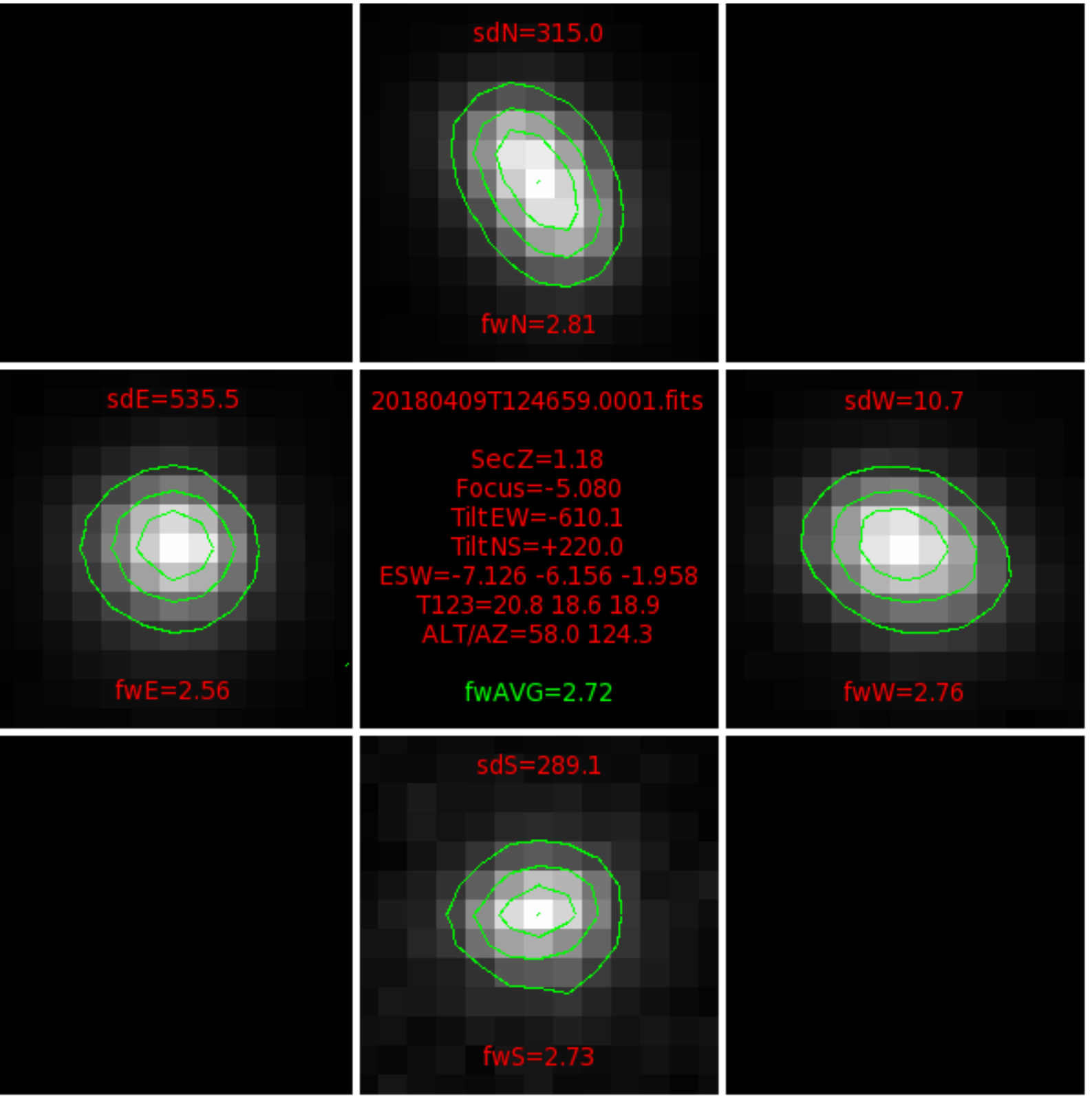
sdN=315.0
fwN=2.81
sdE=535.5
fwE=2.56
20180409T124659.0001.fits
SecZ=1.18
Focus=-5.080
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.126 -6.156 -1.958
T123=20.8 18.6 18.9
ALT/AZ=58.0 124.3
fwAVG=2.72
sdW=10.7
fwW=2.76
sdS=289.1
fwS=2.73
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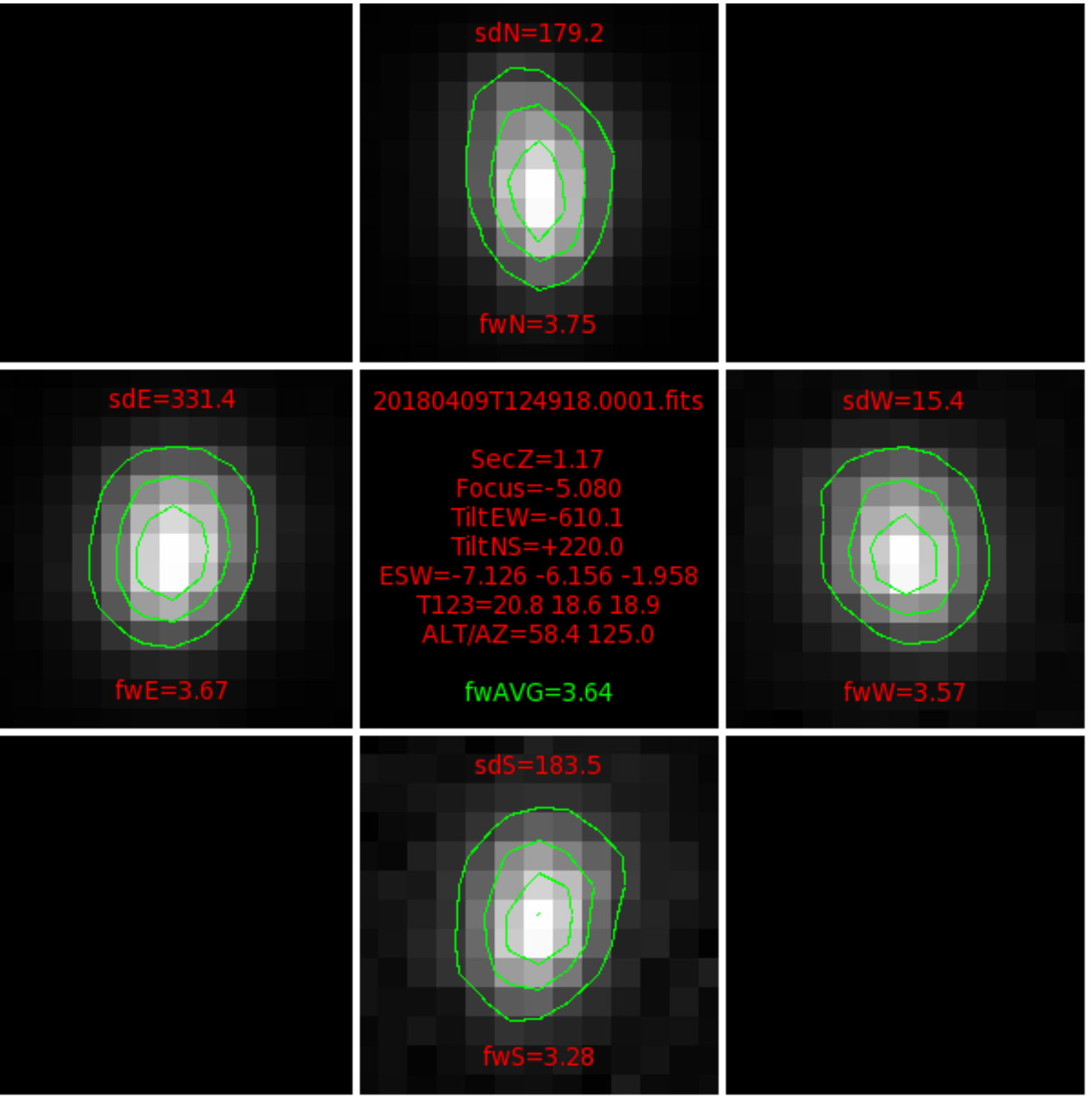
sdN=179.2
fwN=3.75
sdE=331.4
fwE=3.67
20180409T124918.0001.fits
SecZ=1.17
Focus=-5.080
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.126 -6.156 -1.958
T123=20.8 18.6 18.9
ALT/AZ=58.4 125.0
fwAVG=3.64
sdW=15.4
fwW=3.57
sdS=183.5
fwS=3.28
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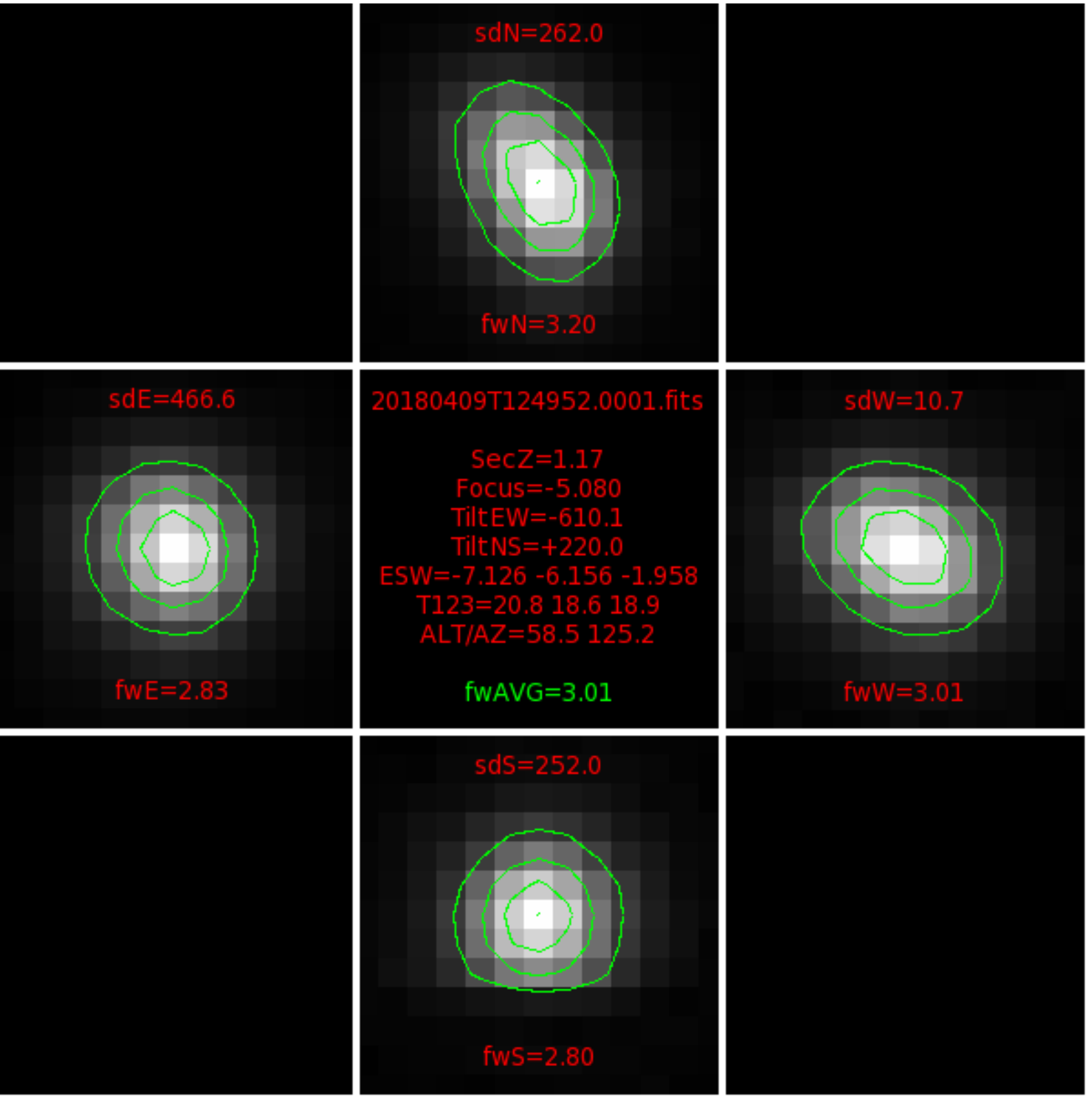
sdN=262.0
fwN=3.20
sdE=466.6
fwE=2.83
20180409T124952.0001.fits
SecZ=1.17
Focus=-5.080
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.126 -6.156 -1.958
T123=20.8 18.6 18.9
ALT/AZ=58.5 125.2
fwAVG=3.01
sdW=10.7
fwW=3.01
sdS=252.0
fwS=2.80
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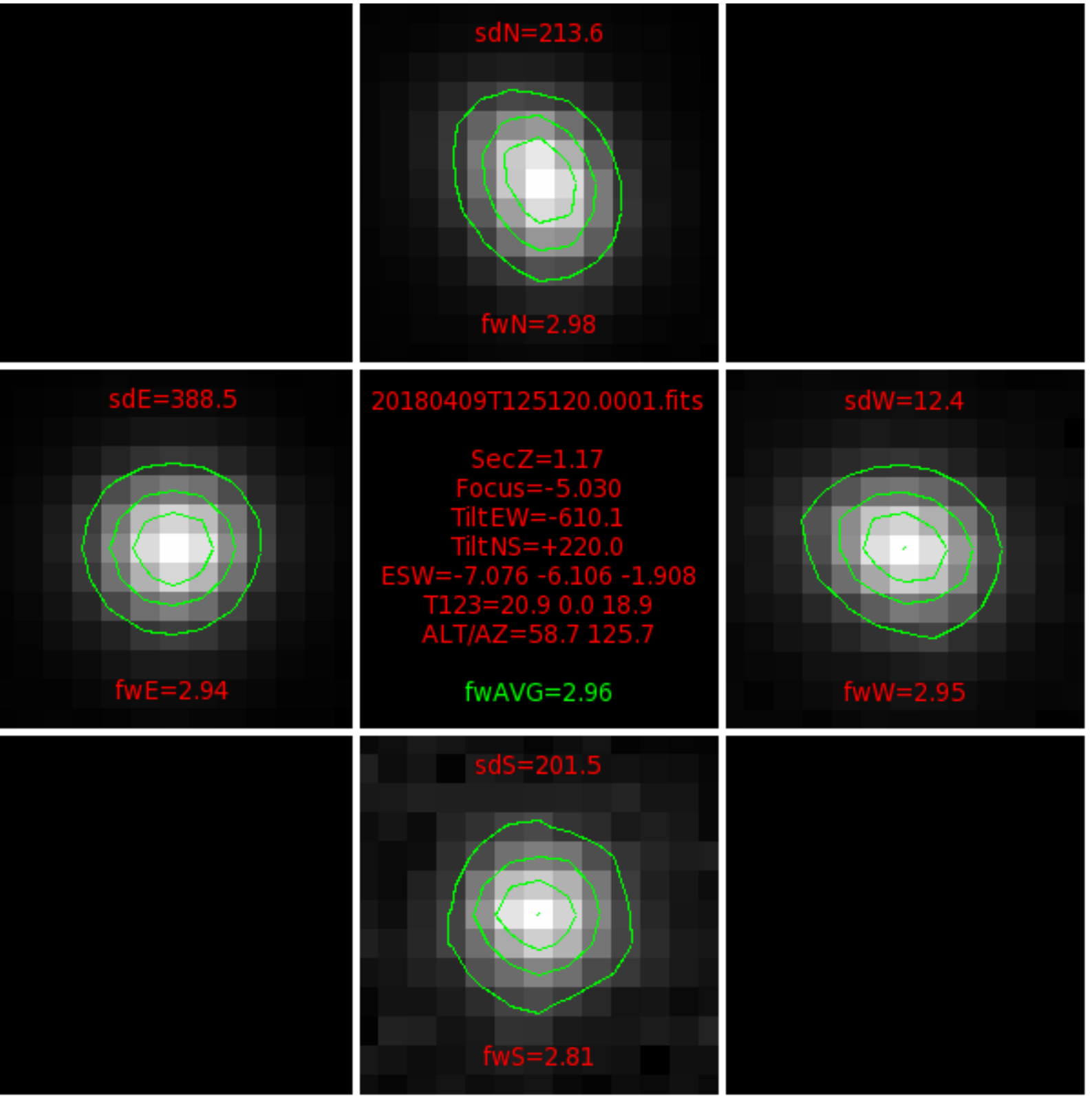
sdN=213.6
fwN=2.98
sdE=388.5
fwE=2.94
20180409T125120.0001.fits
SecZ=1.17
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.9 0.0 18.9
ALT/AZ=58.7 125.7
fwAVG=2.96
sdW=12.4
fwW=2.95
sdS=201.5
fwS=2.81
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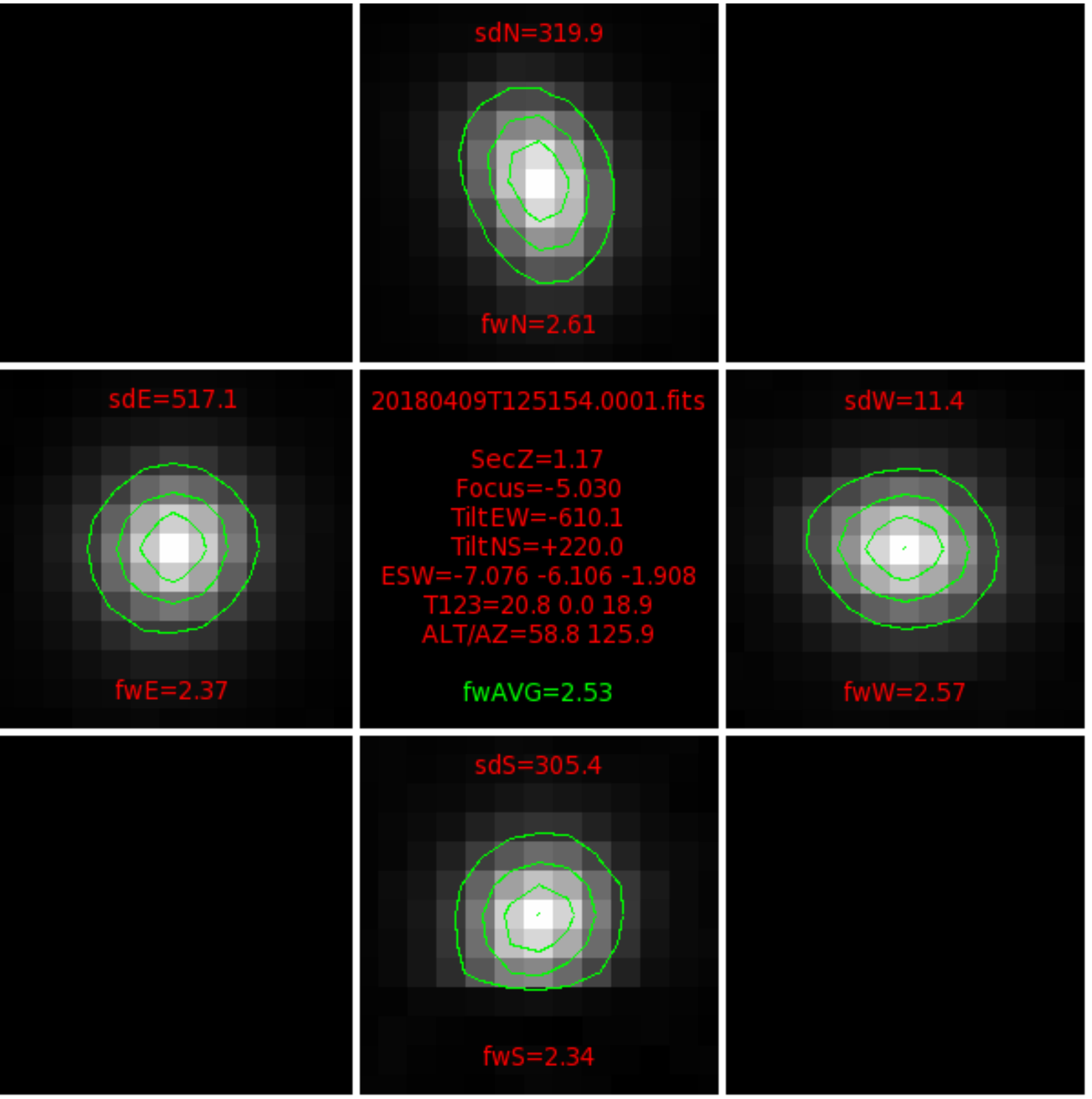
sdN=319.9
fwN=2.61
sdE=517.1
fwE=2.37
20180409T125154.0001.fits
SecZ=1.17
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 0.0 18.9
ALT/AZ=58.8 125.9
fwAVG=2.53
sdW=11.4
fwW=2.57
sdS=305.4
fwS=2.34
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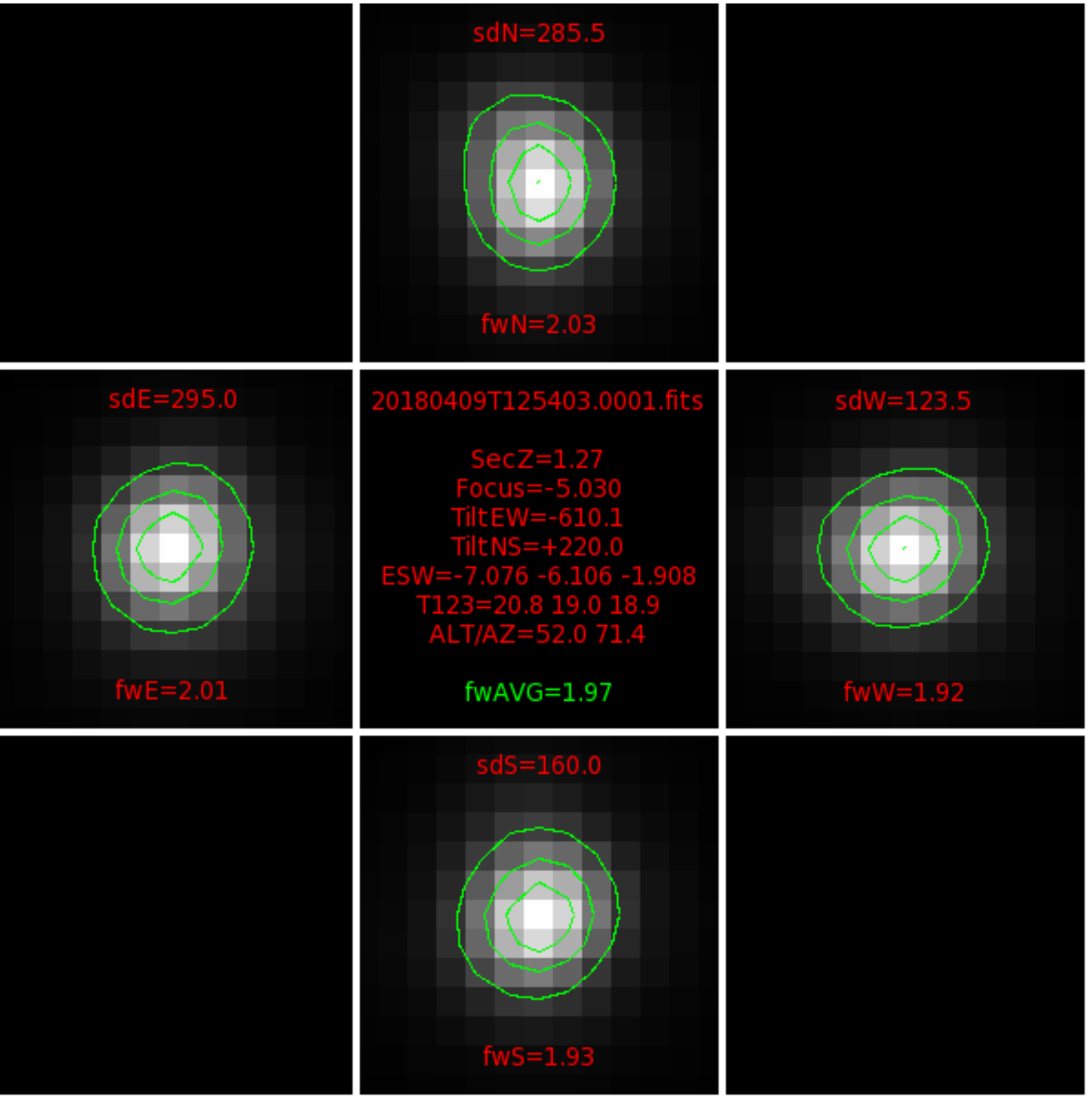
sdN=285.5
fwN=2.03
sdE=295.0
fwE=2.01
20180409T125403.0001.fits
SecZ=1.27
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 19.0 18.9
ALT/AZ=52.0 71.4
fwAVG=1.97
sdW=123.5
fwW=1.92
sdS=160.0
fwS=1.93
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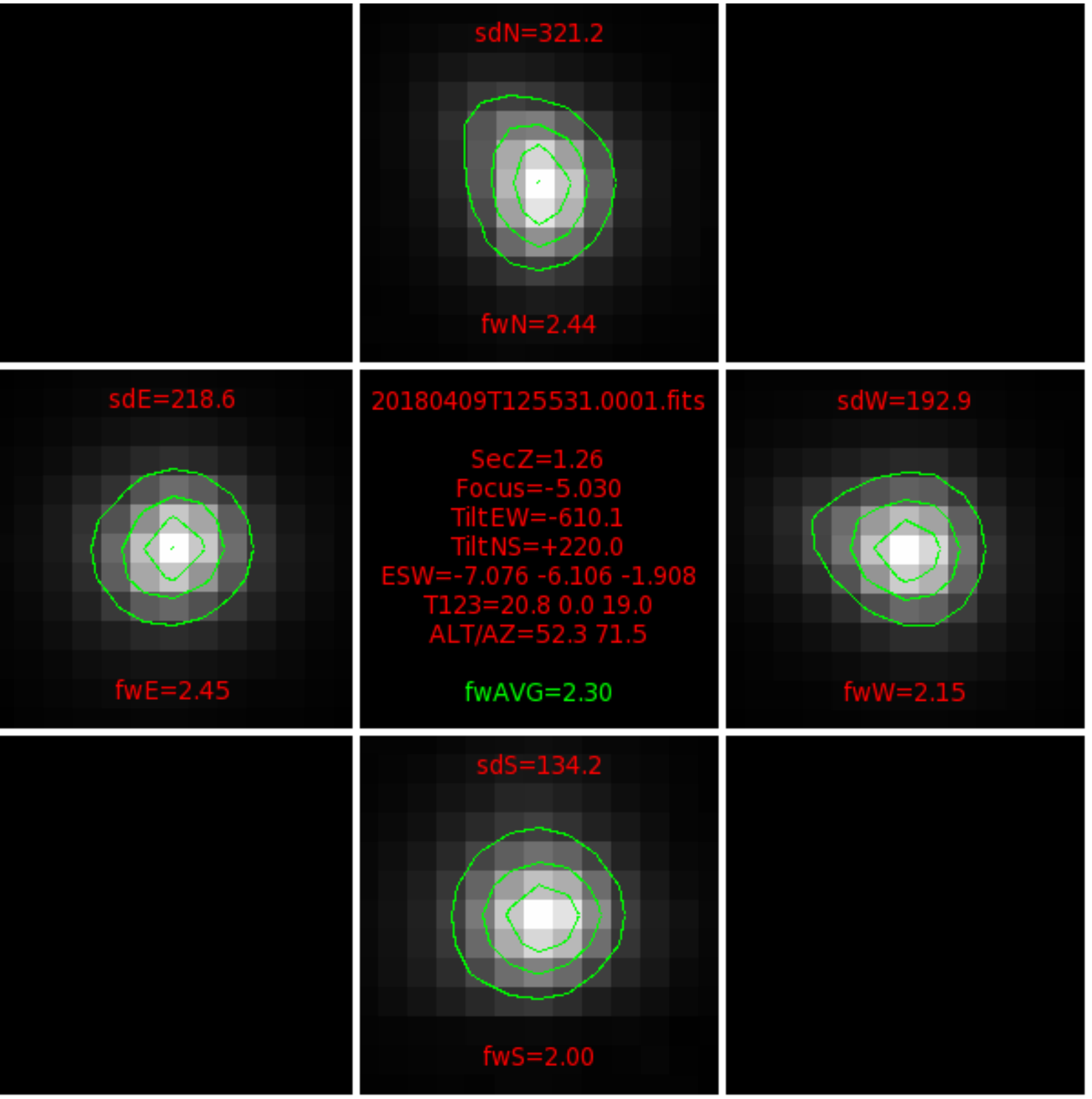
sdN=321.2
fwN=2.44
sdE=218.6
fwE=2.45
20180409T125531.0001.fits
SecZ=1.26
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 0.0 19.0
ALT/AZ=52.3 71.5
fwAVG=2.30
sdW=192.9
fwW=2.15
sdS=134.2
fwS=2.00
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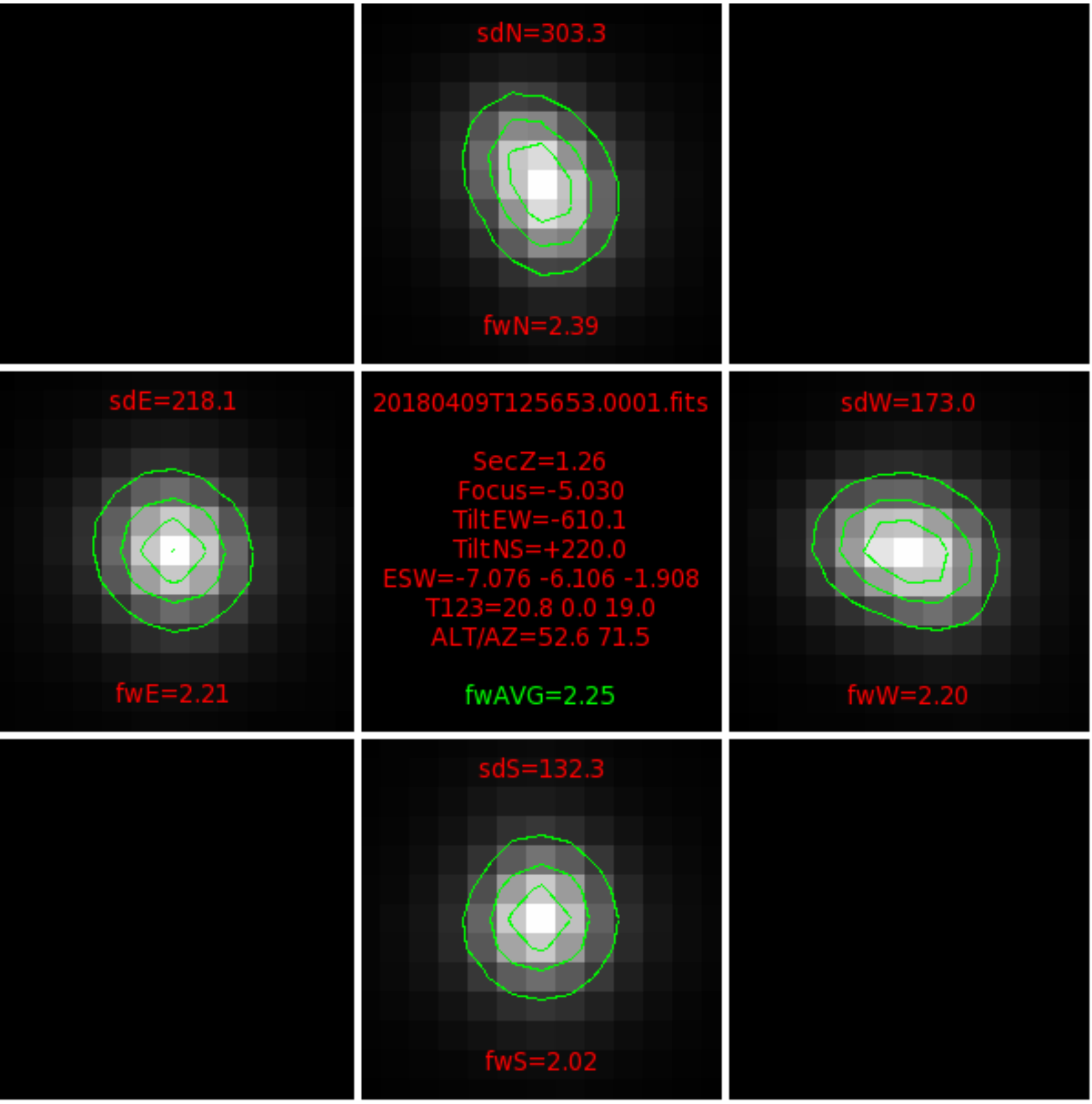
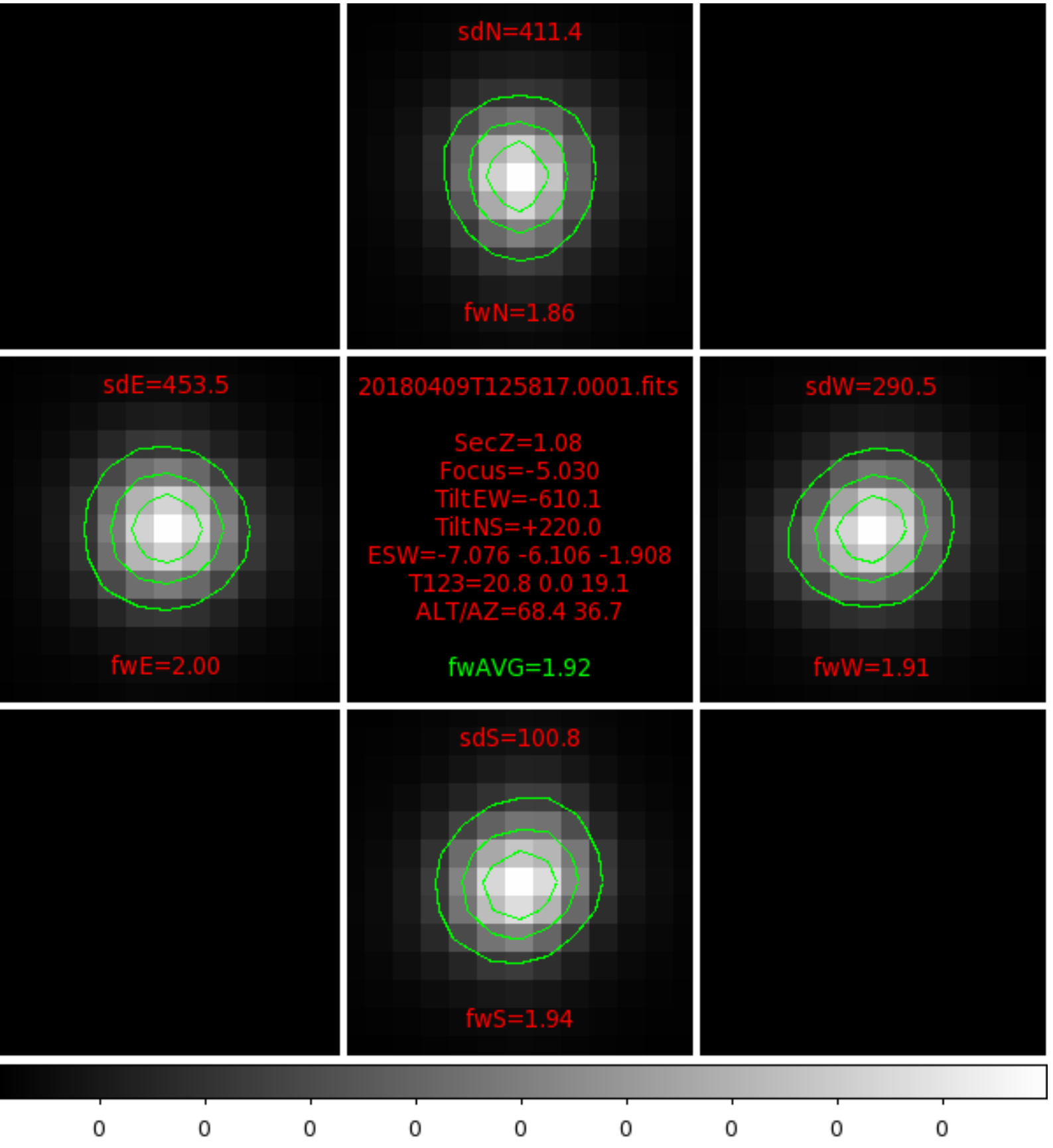

sdN=303.3
fwN=2.39
sdE=218.1
fwE=2.21
20180409T125653.0001.fits
SecZ=1.26
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 0.0 19.0
ALT/AZ=52.6 71.5
fwAVG=2.25
sdW=173.0
fwW=2.20
sdS=132.3
fwS=2.02
0 0 0 0 0 0 0 0 0


sdN=411.4
fwN=1.86
sdE=453.5
fwE=2.00
20180409T125817.0001.fits
SecZ=1.08
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 0.0 19.1
ALT/AZ=68.4 36.7
fwAVG=1.92
sdW=290.5
fwW=1.91
sdS=100.8
fwS=1.94
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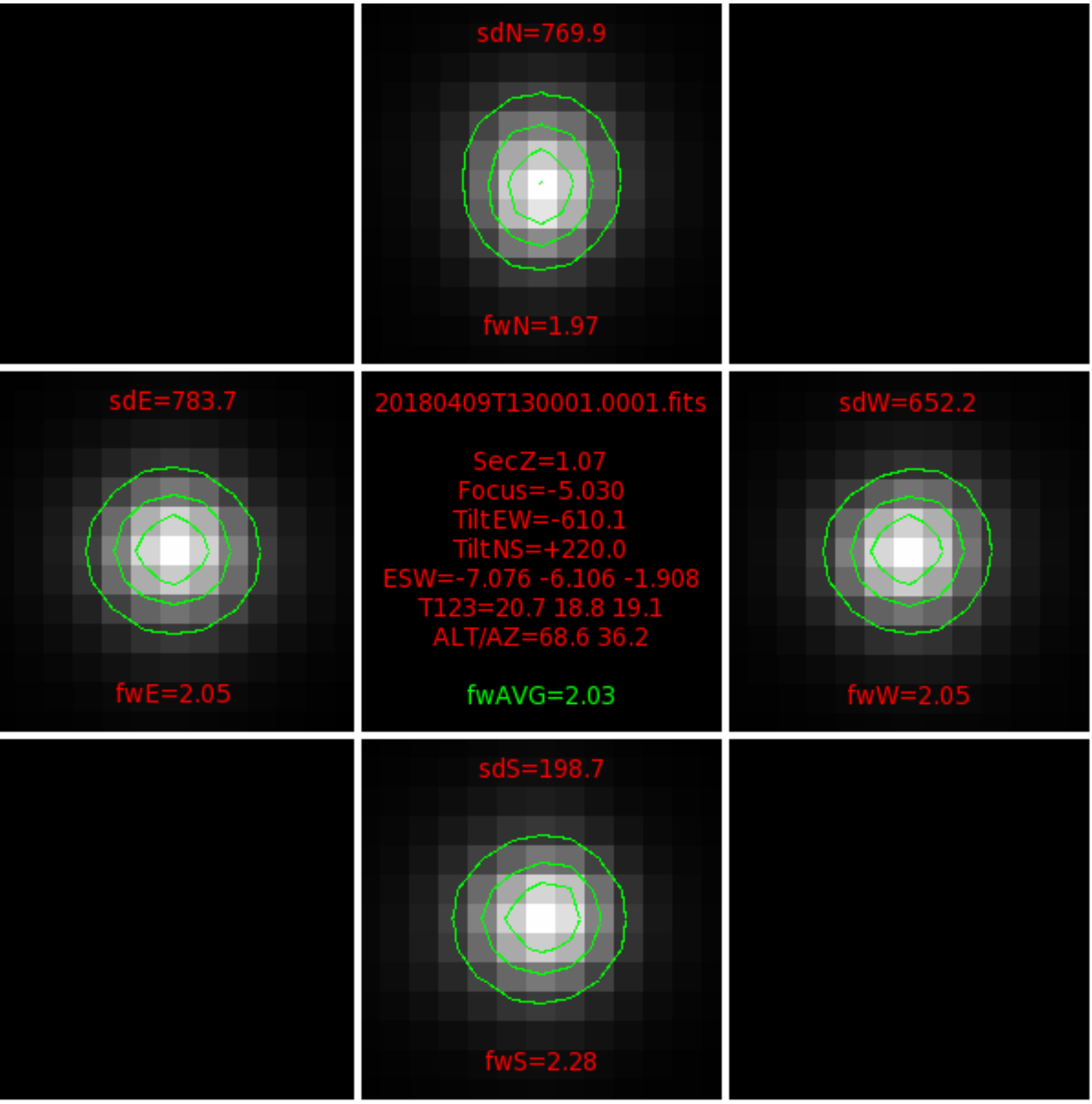
sdN=769.9
fwN=1.97
sdE=783.7
fwE=2.05
20180409T130001.0001.fits
SecZ=1.07
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.7 18.8 19.1
ALT/AZ=68.6 36.2
fwAVG=2.03
sdW=652.2
fwW=2.05
sdS=198.7
fwS=2.28
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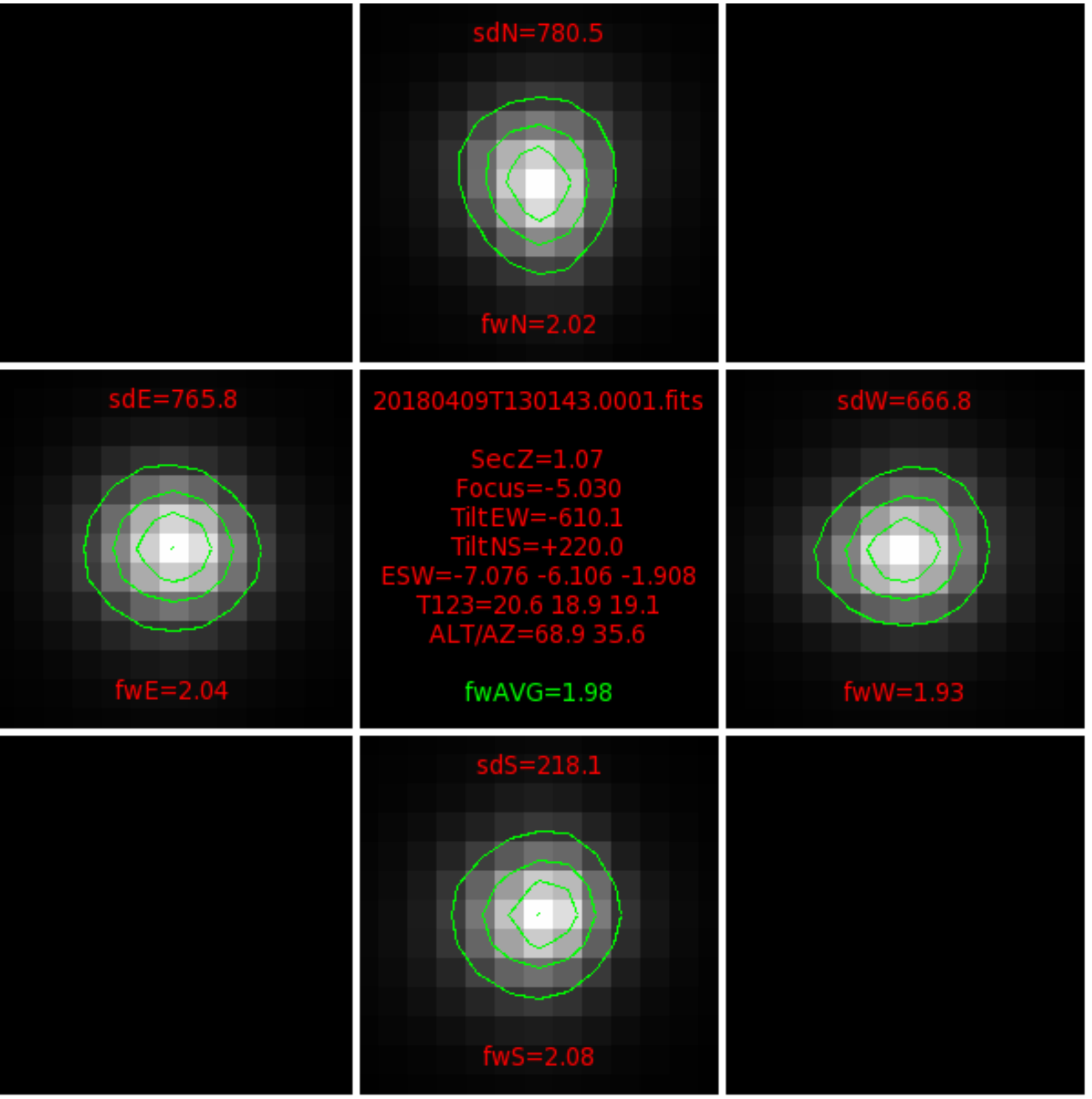
sdN=780.5
fwN=2.02
sdE=765.8
fwE=2.04
20180409T130143.0001.fits
SecZ=1.07
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.6 18.9 19.1
ALT/AZ=68.9 35.6
fwAVG=1.98
sdW=666.8
fwW=1.93
sdS=218.1
fwS=2.08
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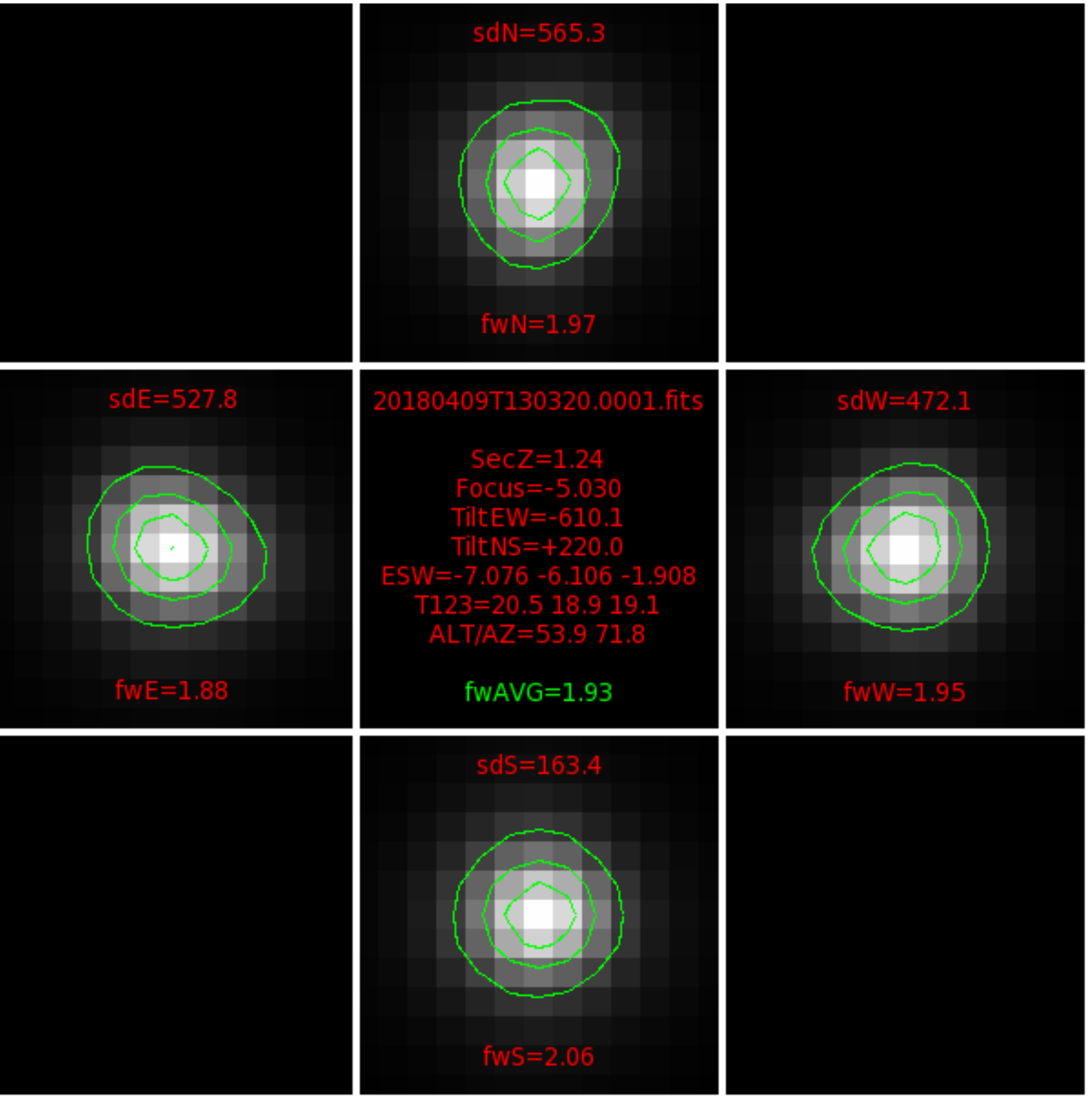
sdN=565.3
fwN=1.97
sdE=527.8
fwE=1.88
20180409T130320.0001.fits
SecZ=1.24
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.5 18.9 19.1
ALT/AZ=53.9 71.8
fwAVG=1.93
sdW=472.1
fwW=1.95
sdS=163.4
fwS=2.06
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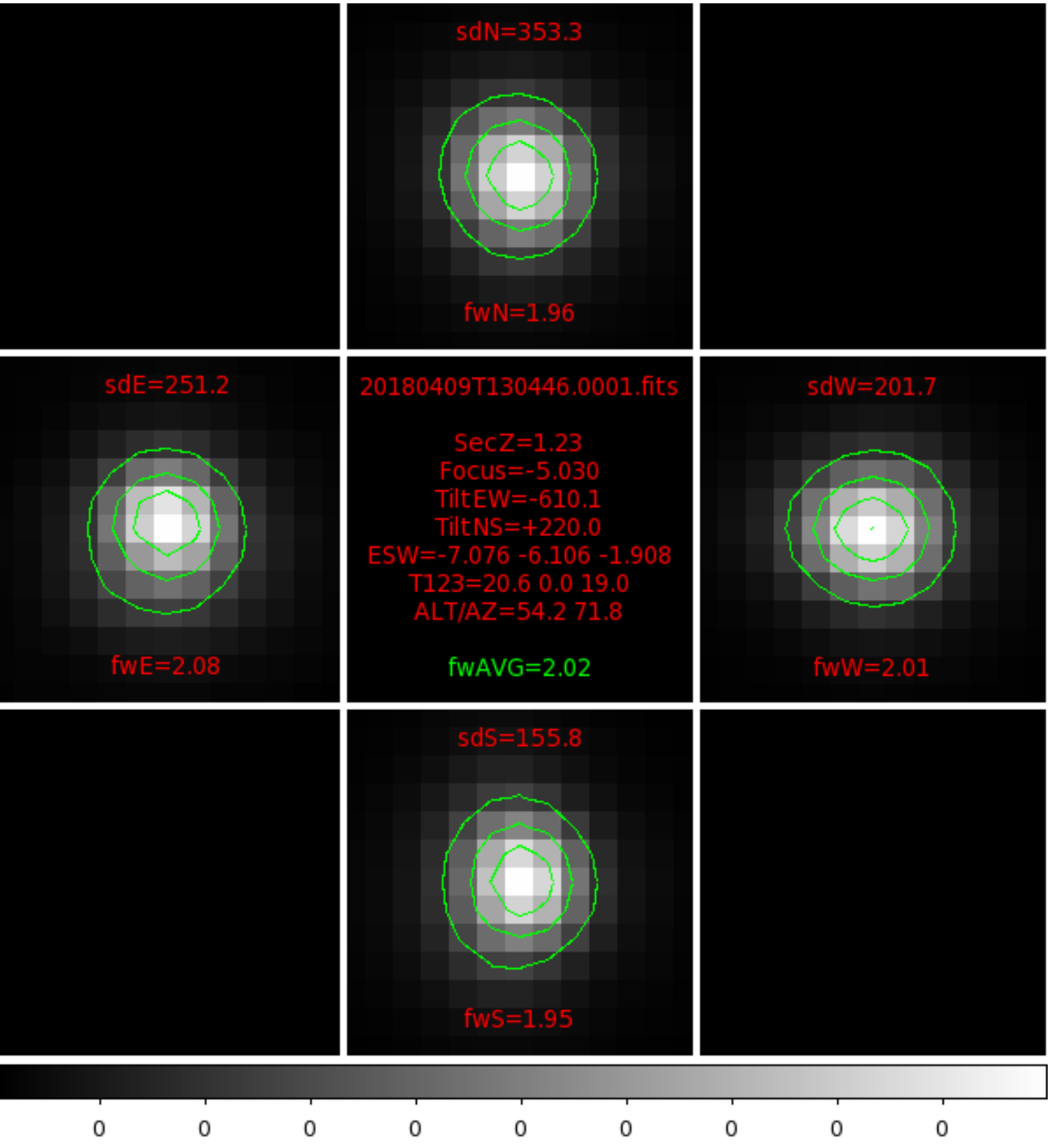
sdN=353.3
fwN=1.96
sdE=251.2
fwE=2.08
20180409T130446.0001.fits
SecZ=1.23
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.6 0.0 19.0
ALT/AZ=54.2 71.8
fwAVG=2.02
sdW=201.7
fwW=2.01
sdS=155.8
fwS=1.95
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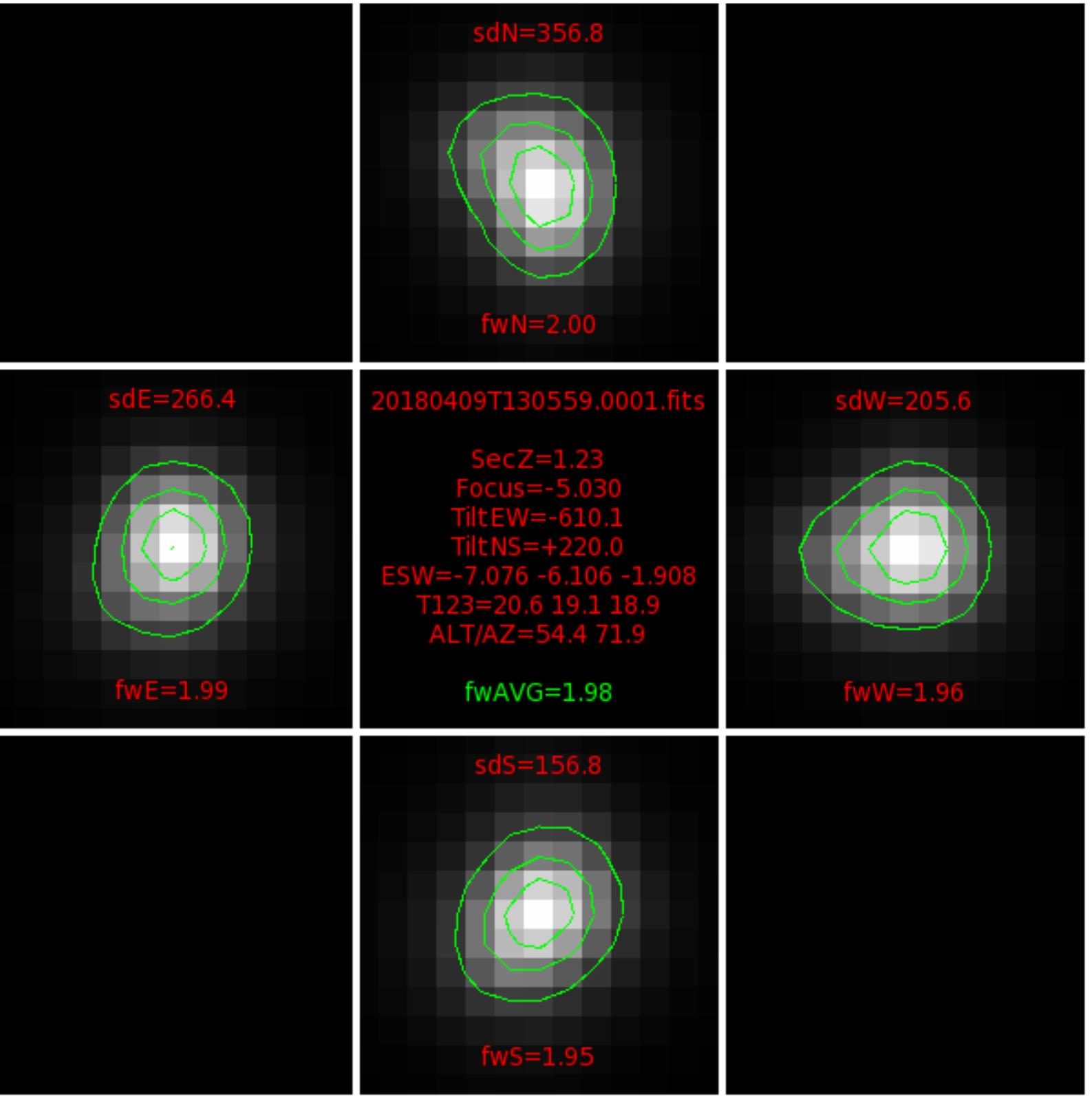
sdN=356.8
fwN=2.00
sdE=266.4
fwE=1.99
20180409T130559.0001.fits
SecZ=1.23
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.6 19.1 18.9
ALT/AZ=54.4 71.9
fwAVG=1.98
sdW=205.6
fwW=1.96
sdS=156.8
fwS=1.95
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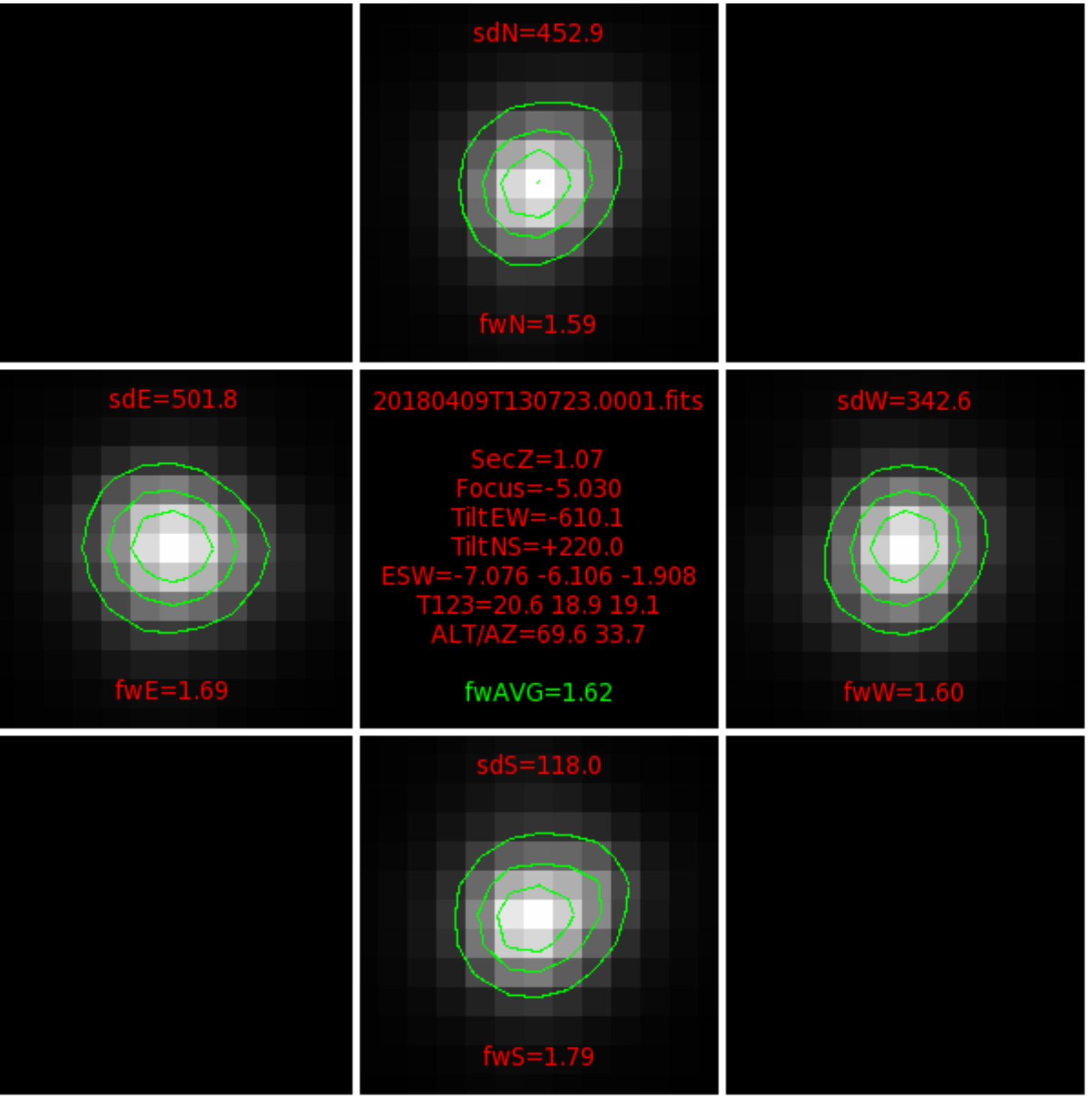
sdN=452.9
fwN=1.59
sdE=501.8
fwE=1.69
20180409T130723.0001.fits
SecZ=1.07
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.6 18.9 19.1
ALT/AZ=69.6 33.7
fwAVG=1.62
sdW=342.6
fwW=1.60
sdS=118.0
fwS=1.79
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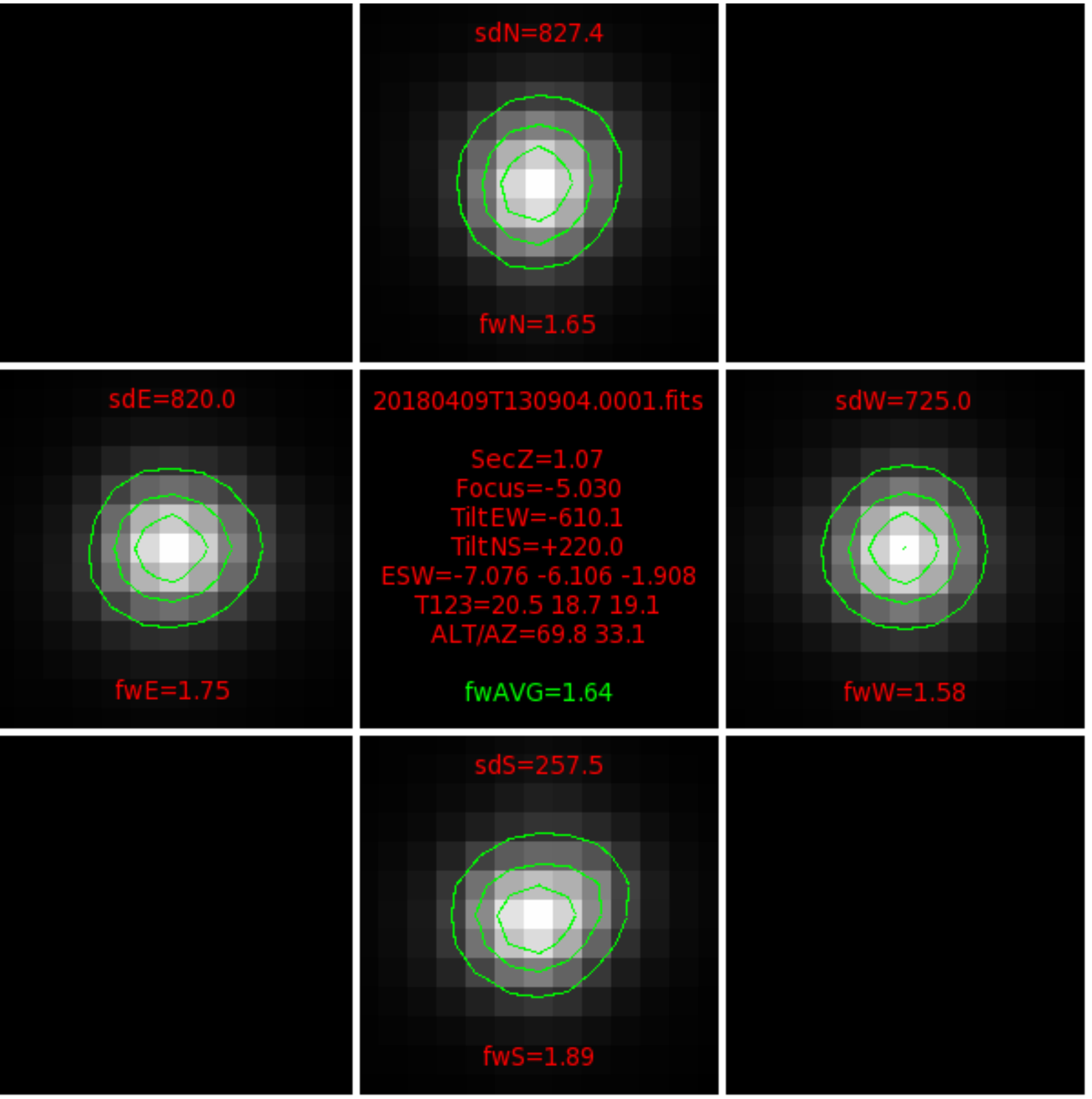
sdN=827.4
fwN=1.65
sdE=820.0
fwE=1.75
20180409T130904.0001.fits
SecZ=1.07
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.5 18.7 19.1
ALT/AZ=69.8 33.1
fwAVG=1.64
sdW=725.0
fwW=1.58
sdS=257.5
fwS=1.89
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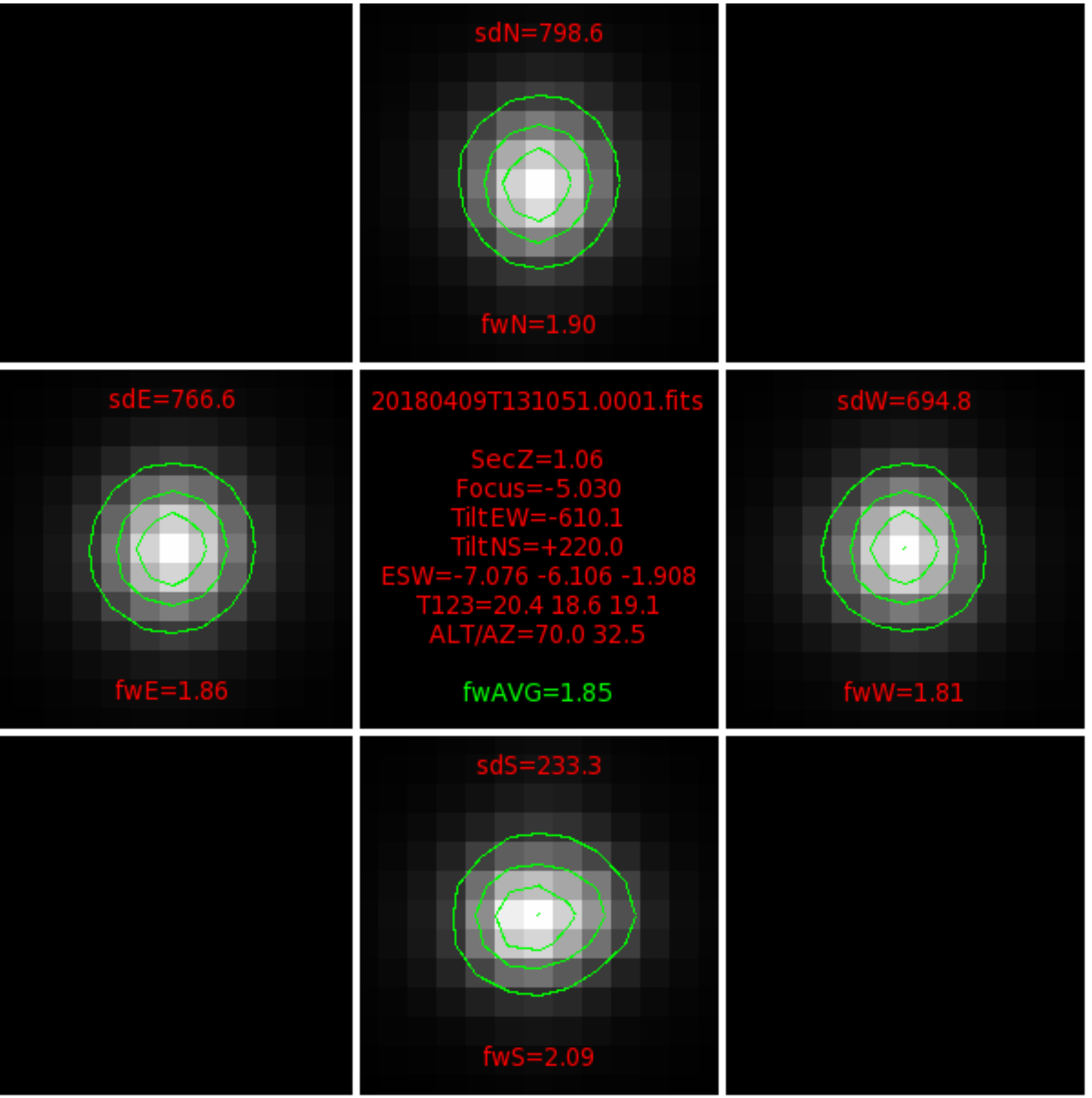
sdN=798.6
fwN=1.90
sdE=766.6
fwE=1.86
20180409T131051.0001.fits
SecZ=1.06
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.4 18.6 19.1
ALT/AZ=70.0 32.5
fwAVG=1.85
sdW=694.8
fwW=1.81
sdS=233.3
fwS=2.09
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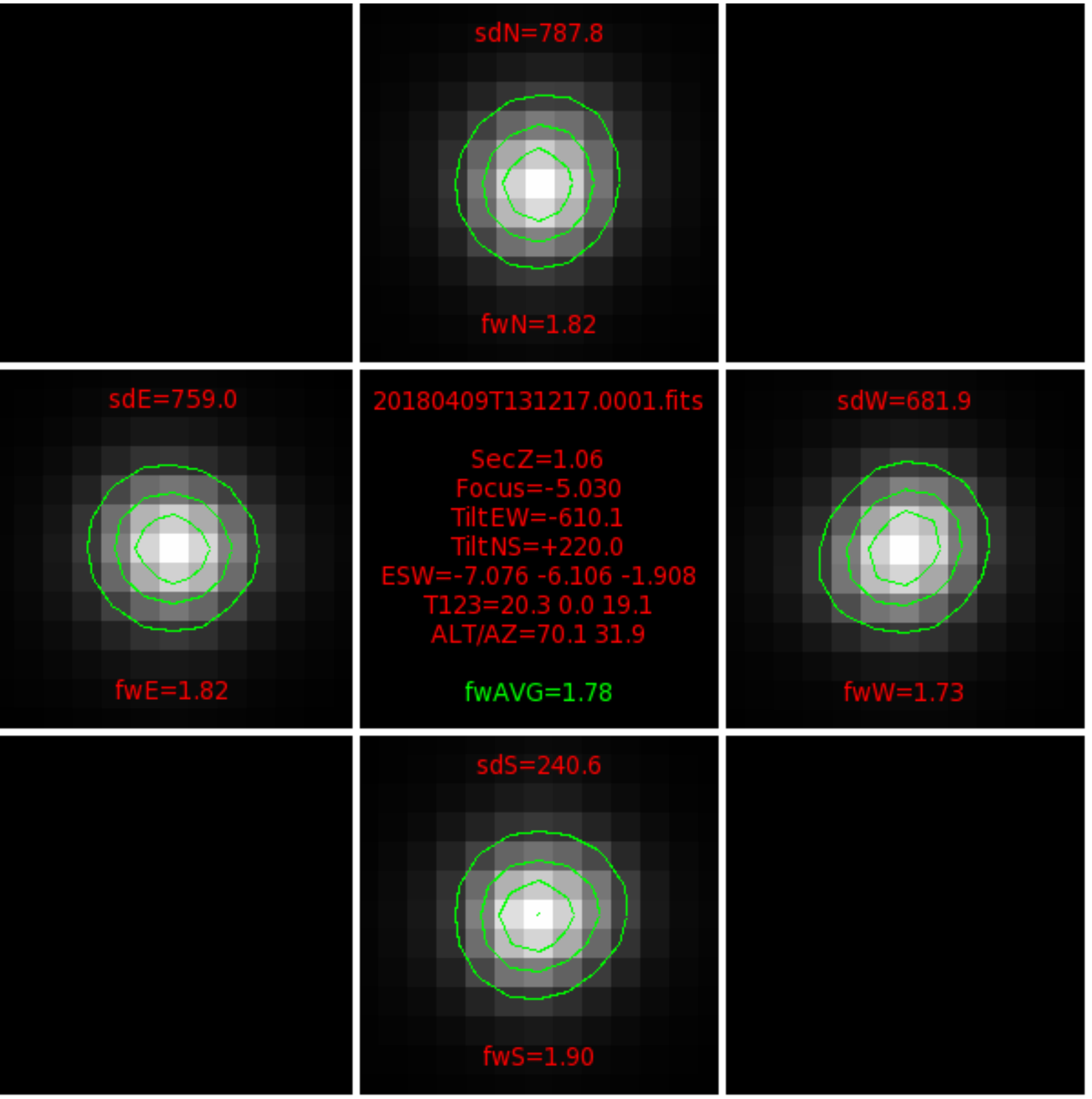
sdN=787.8
fwN=1.82
sdE=759.0
fwE=1.82
20180409T131217.0001.fits
SecZ=1.06
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.3 0.0 19.1
ALT/AZ=70.1 31.9
fwAVG=1.78
sdW=681.9
fwW=1.73
sdS=240.6
fwS=1.90
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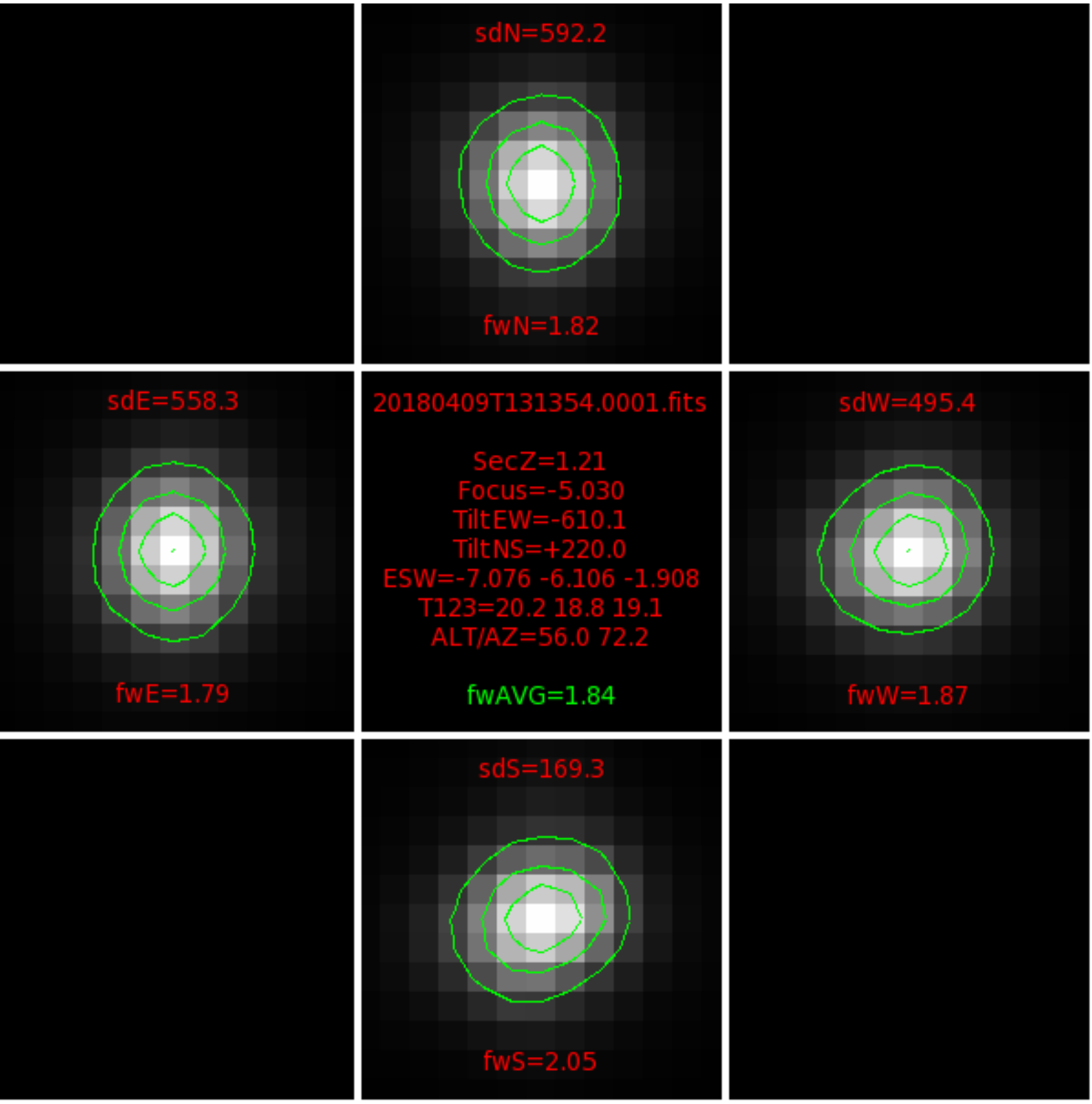
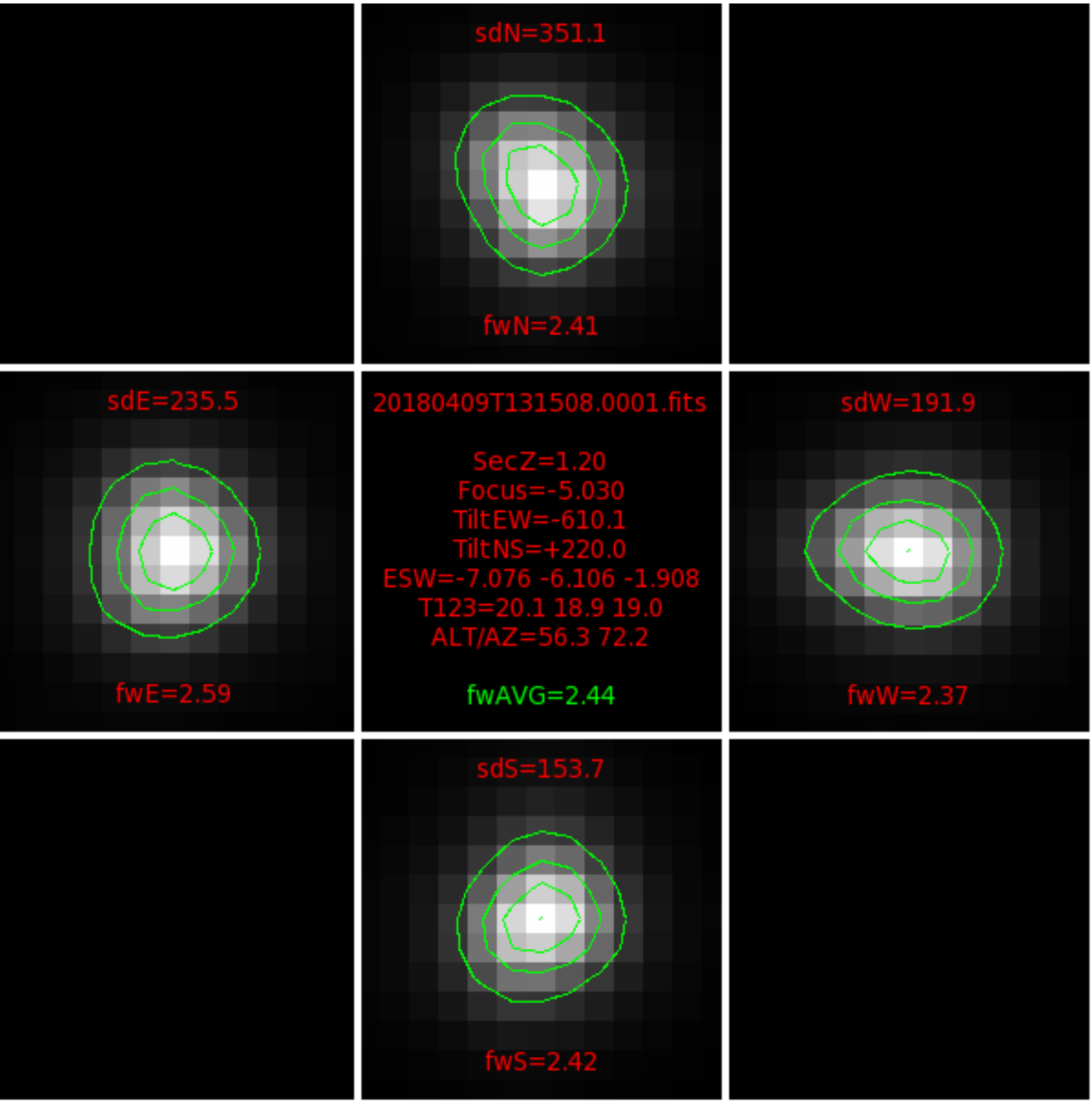

sdN=592.2
fwN=1.82
sdE=558.3
fwE=1.79
20180409T131354.0001.fits
SecZ=1.21
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.2 18.8 19.1
ALT/AZ=56.0 72.2
fwAVG=1.84
sdW=495.4
fwW=1.87
sdS=169.3
fwS=2.05
0 0 0 0 0 0 0 0 0


sdN=351.1
fwN=2.41
sdE=235.5
fwE=2.59
20180409T131508.0001.fits
SecZ=1.20
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.1 18.9 19.0
ALT/AZ=56.3 72.2
fwAVG=2.44
sdW=191.9
fwW=2.37
sdS=153.7
fwS=2.42
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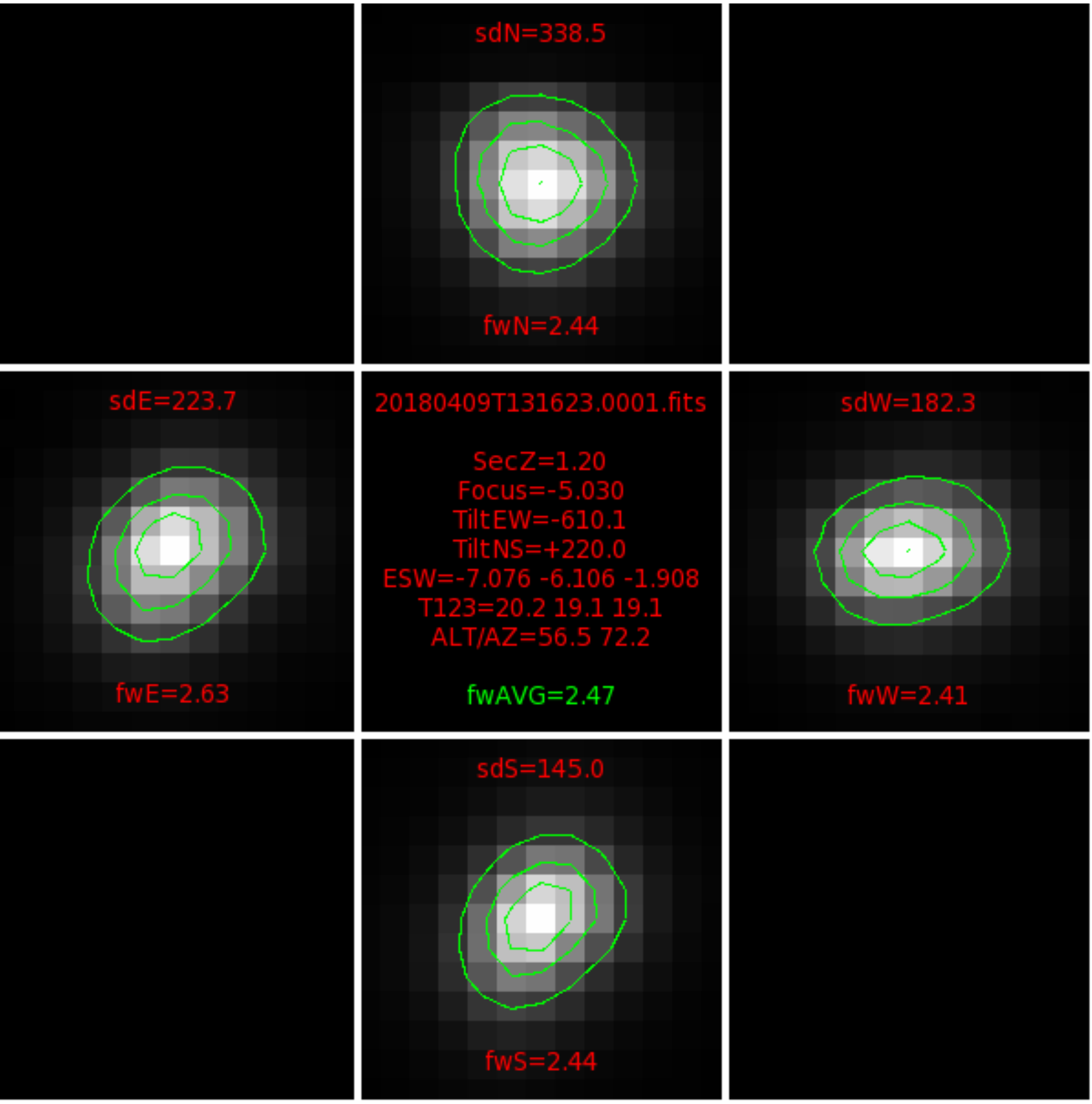
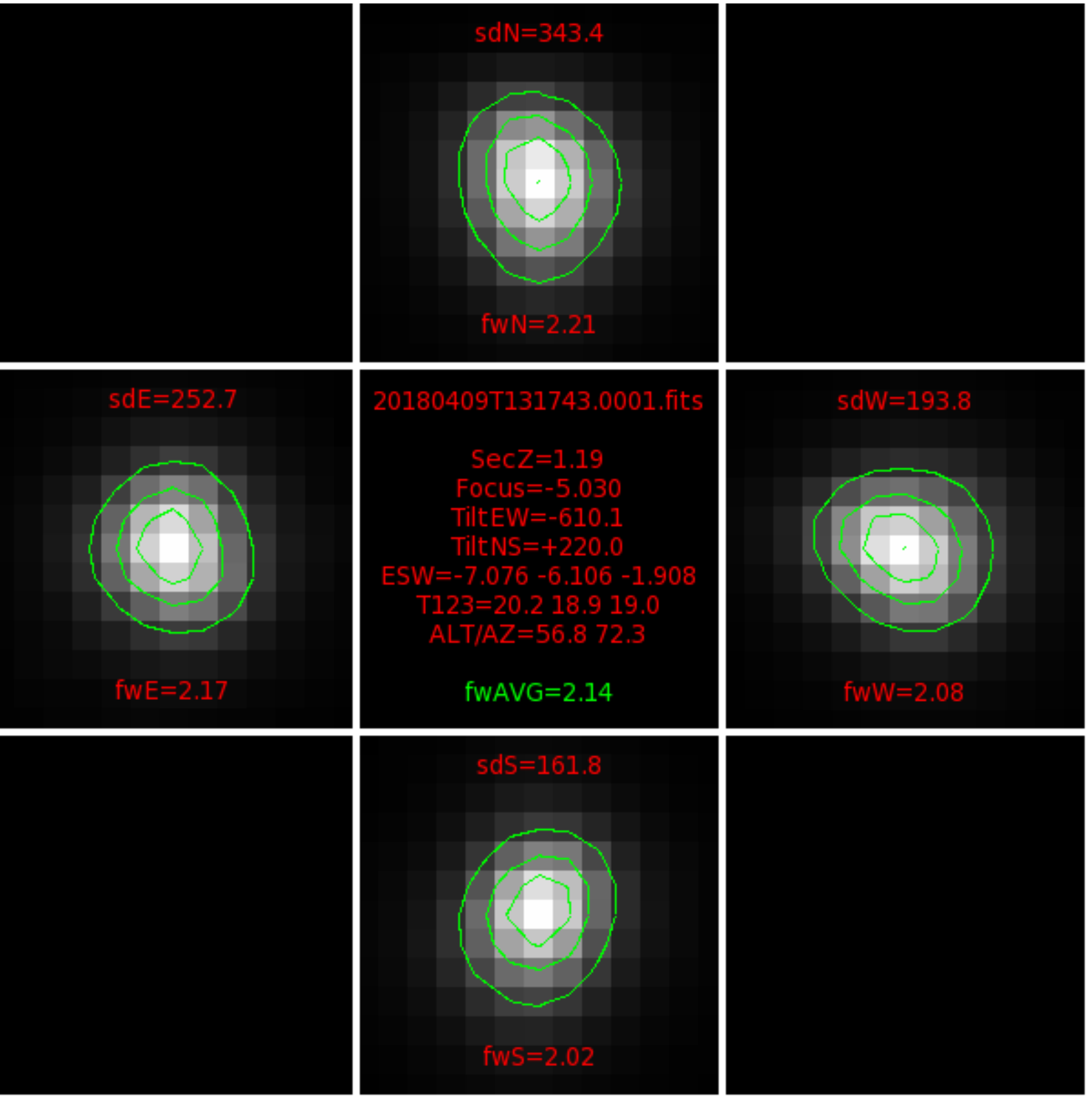
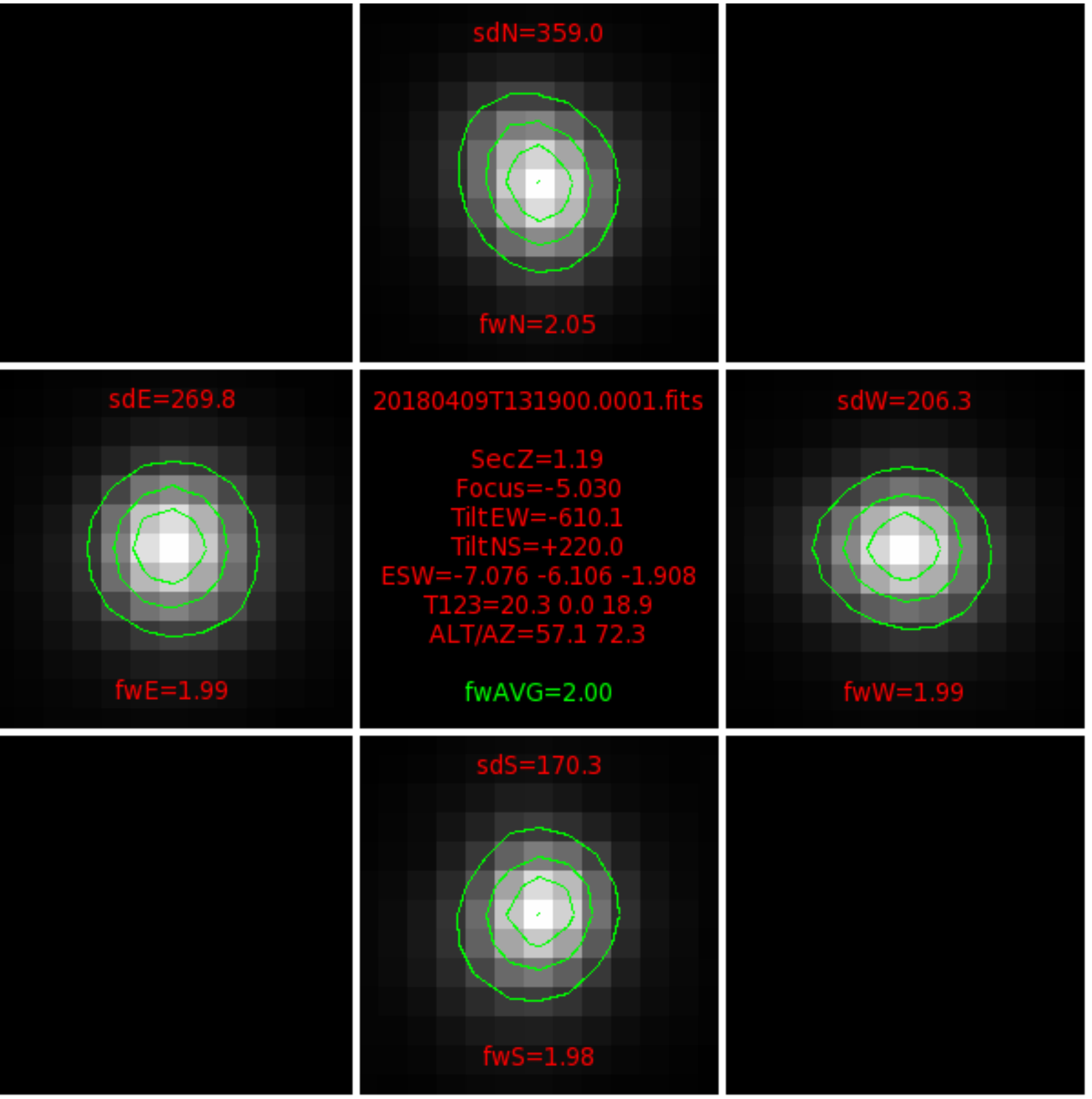
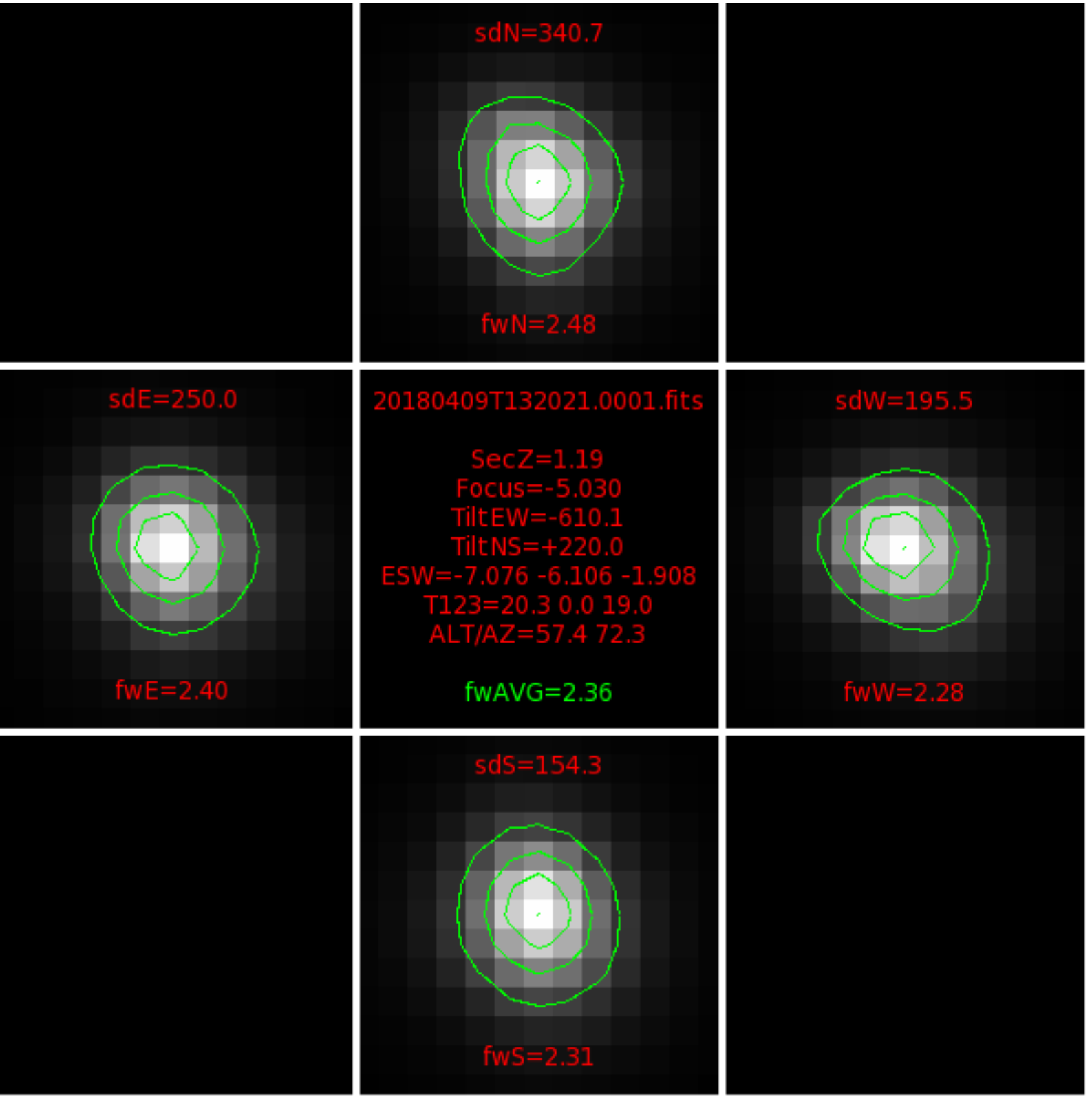

sdN=338.5
fwN=2.44
sdE=223.7
fwE=2.63
20180409T131623.0001.fits
SecZ=1.20
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.2 19.1 19.1
ALT/AZ=56.5 72.2
fwAVG=2.47
sdW=182.3
fwW=2.41
sdS=145.0
fwS=2.44
0 0 0 0 0 0 0 0 0


sdN=343.4
fwN=2.21
sdE=252.7
fwE=2.17
20180409T131743.0001.fits
SecZ=1.19
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.2 18.9 19.0
ALT/AZ=56.8 72.3
fwAVG=2.14
sdW=193.8
fwW=2.08
sdS=161.8
fwS=2.02
0 0 0 0 0 0 0 0 0


sdN=359.0
fwN=2.05
sdE=269.8
fwE=1.99
20180409T131900.0001.fits
SecZ=1.19
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.3 0.0 18.9
ALT/AZ=57.1 72.3
fwAVG=2.00
sdW=206.3
fwW=1.99
sdS=170.3
fwS=1.98
0 0 0 0 0 0 0 0 0


sdN=340.7
fwN=2.48
sdE=250.0
fwE=2.40
20180409T132021.0001.fits
SecZ=1.19
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.3 0.0 19.0
ALT/AZ=57.4 72.3
fwAVG=2.36
sdW=195.5
fwW=2.28
sdS=154.3
fwS=2.31
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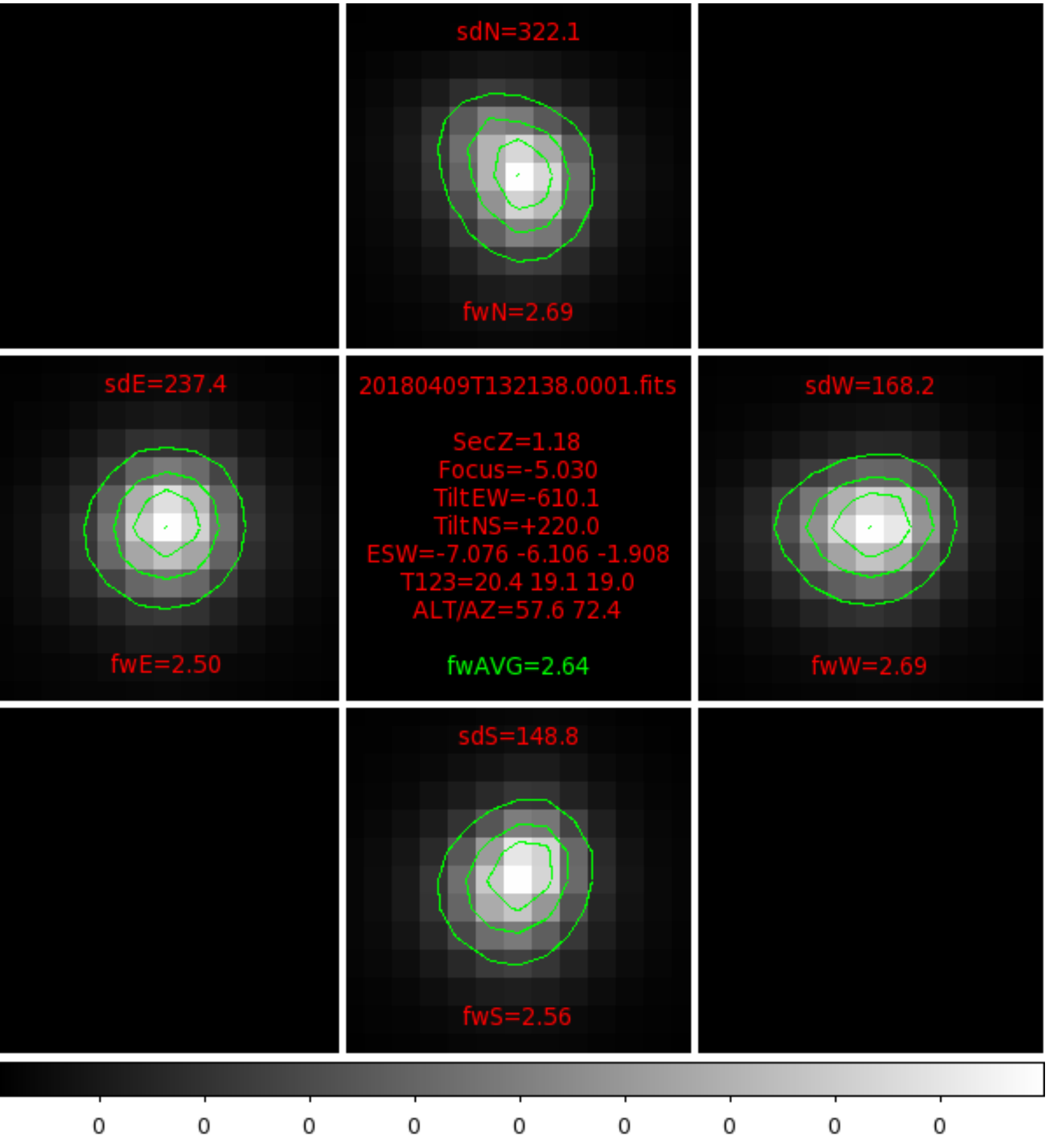
sdN=322.1
fwN=2.69
sdE=237.4
fwE=2.50
20180409T132138.0001.fits
SecZ=1.18
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.4 19.1 19.0
ALT/AZ=57.6 72.4
fwAVG=2.64
sdW=168.2
fwW=2.69
sdS=148.8
fwS=2.56
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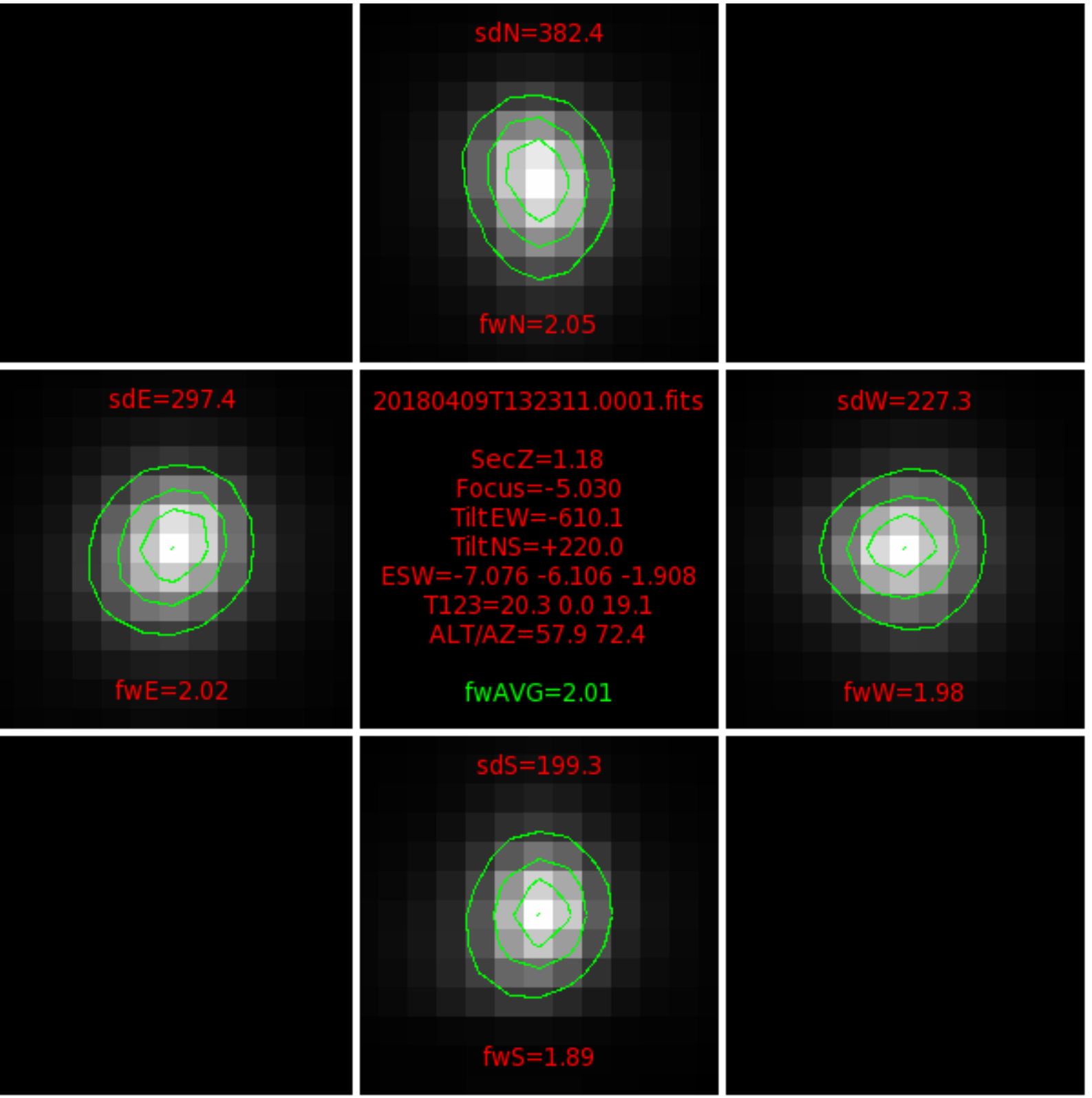
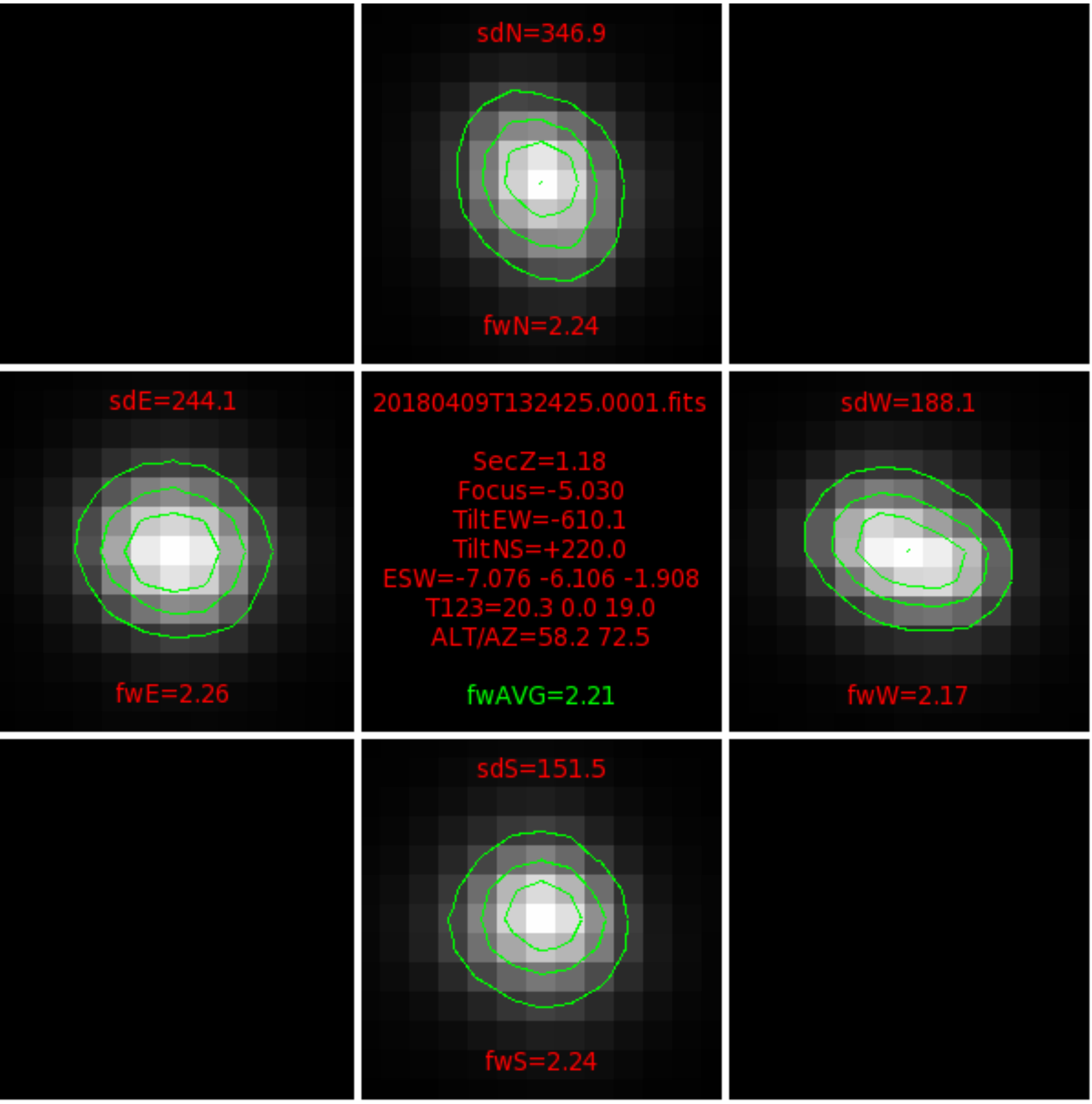
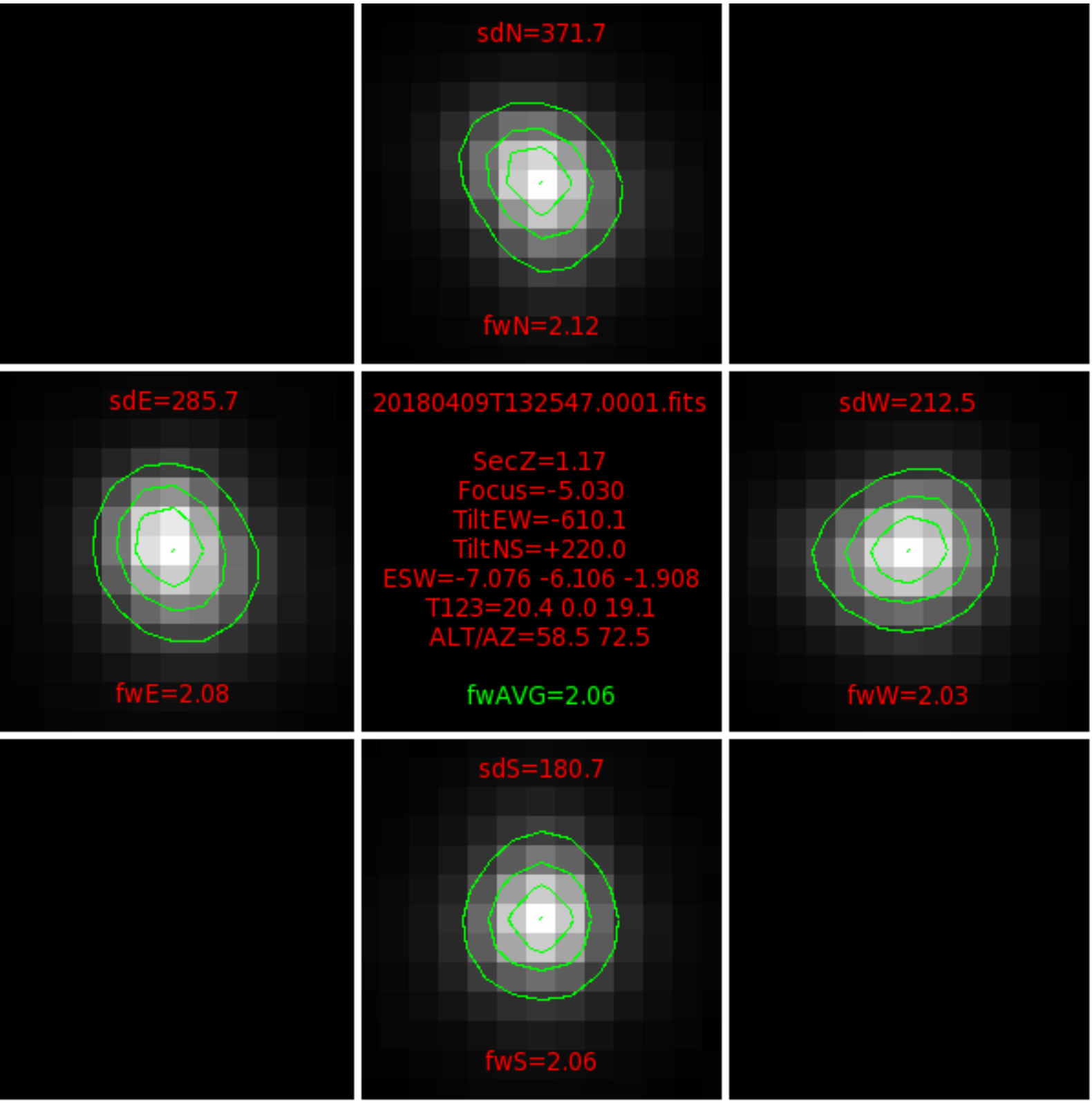
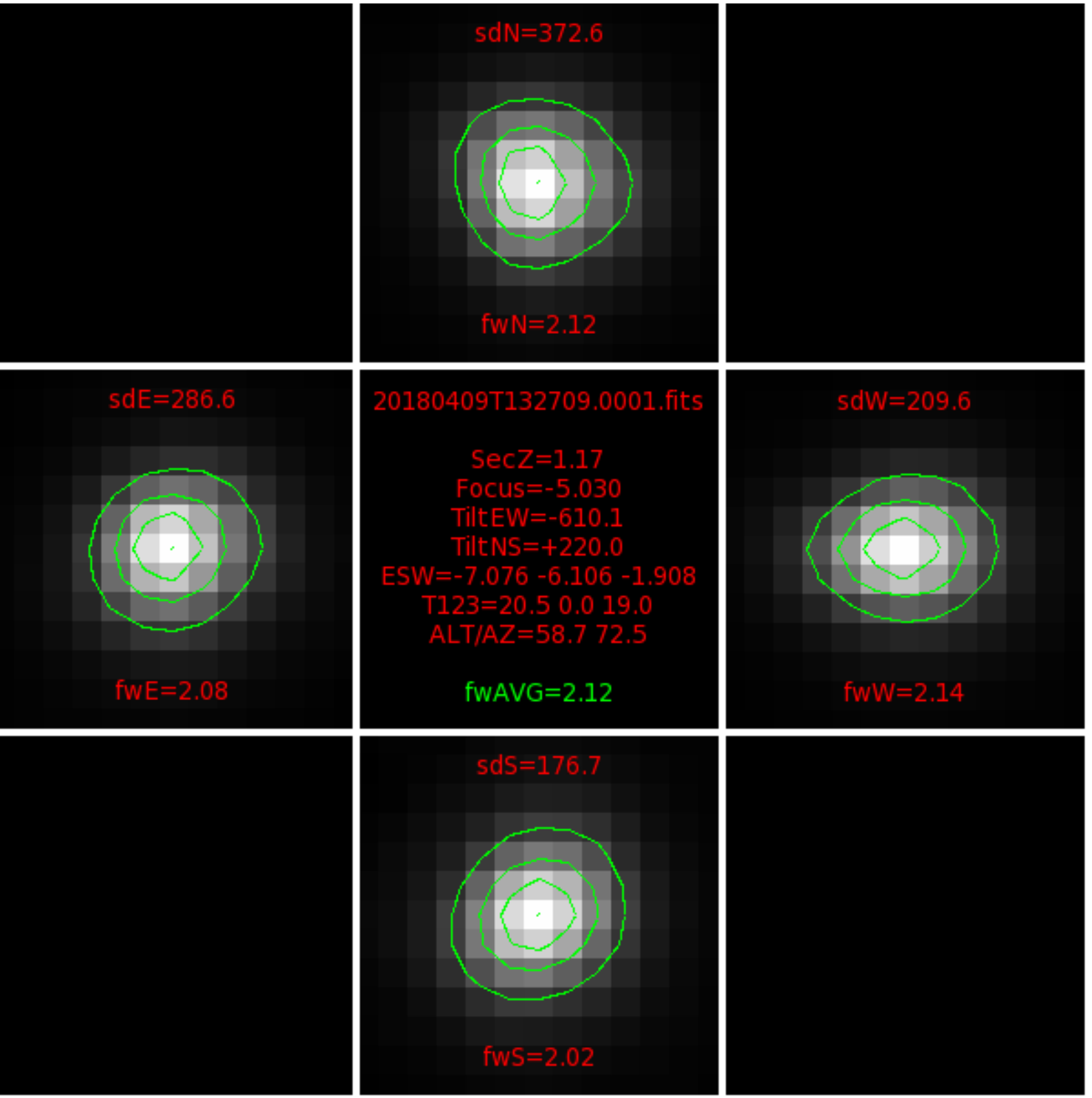
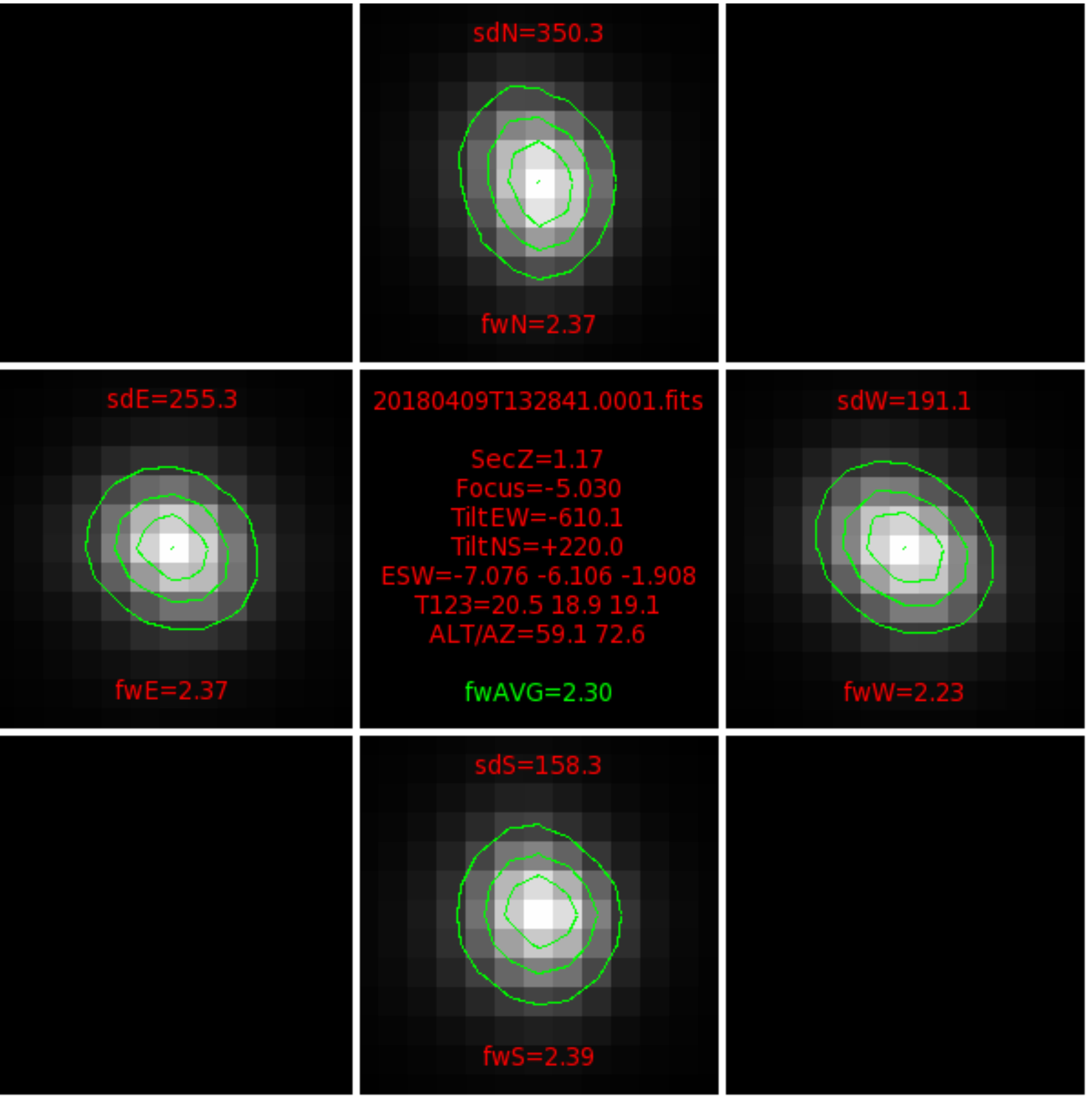
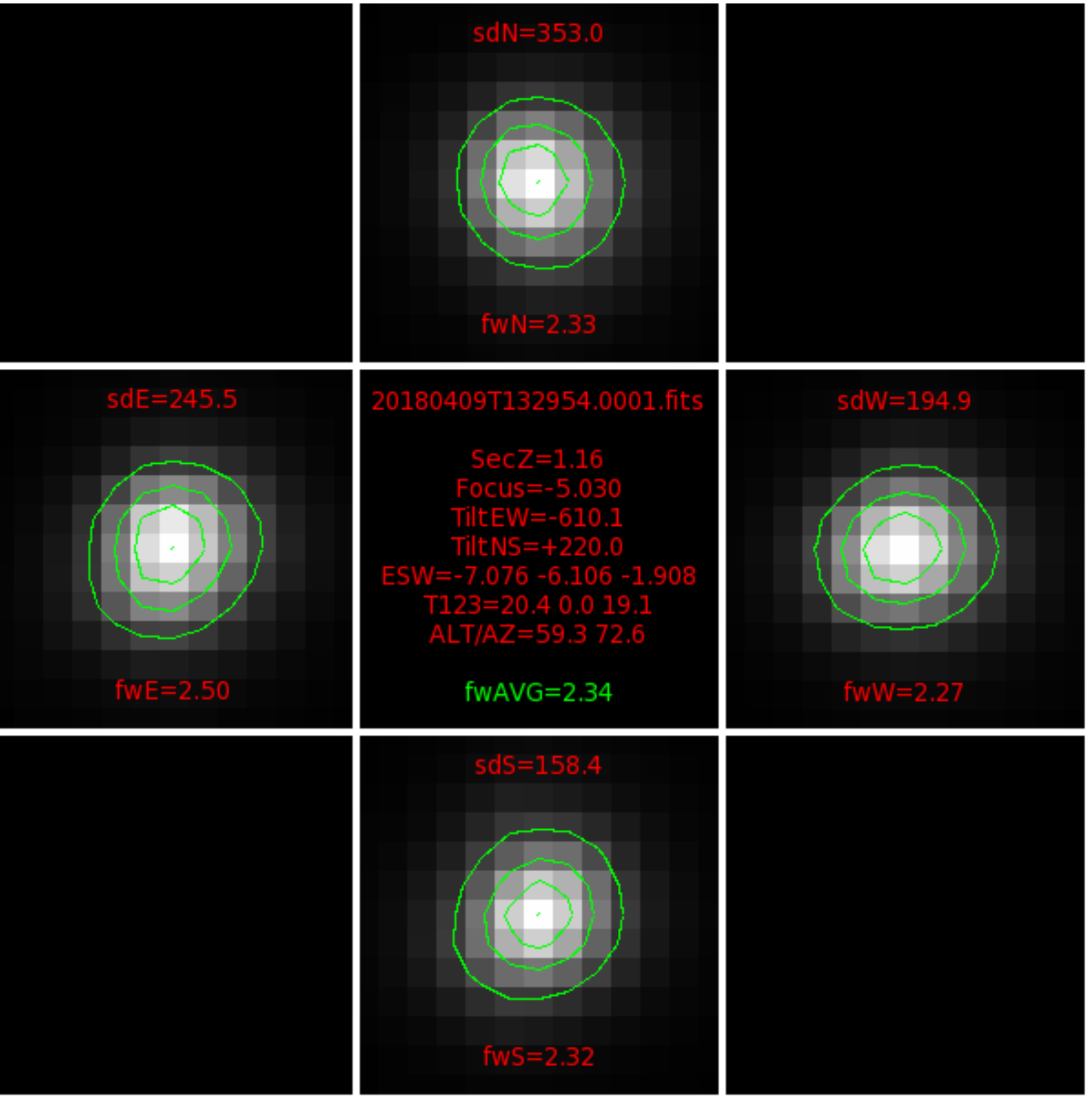

sdN=382.4
fwN=2.05
sdE=297.4
fwE=2.02
20180409T132311.0001.fits
SecZ=1.18
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.3 0.0 19.1
ALT/AZ=57.9 72.4
fwAVG=2.01
sdW=227.3
fwW=1.98
sdS=199.3
fwS=1.89
0 0 0 0 0 0 0 0 0


sdN=346.9
fwN=2.24
sdE=244.1
fwE=2.26
20180409T132425.0001.fits
SecZ=1.18
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.3 0.0 19.0
ALT/AZ=58.2 72.5
fwAVG=2.21
sdW=188.1
fwW=2.17
sdS=151.5
fwS=2.24
0 0 0 0 0 0 0 0 0


sdN=371.7
fwN=2.12
sdE=285.7
fwE=2.08
20180409T132547.0001.fits
SecZ=1.17
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.4 0.0 19.1
ALT/AZ=58.5 72.5
fwAVG=2.06
sdW=212.5
fwW=2.03
sdS=180.7
fwS=2.06
0 0 0 0 0 0 0 0 0


sdN=372.6
fwN=2.12
sdE=286.6
fwE=2.08
20180409T132709.0001.fits
SecZ=1.17
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.5 0.0 19.0
ALT/AZ=58.7 72.5
fwAVG=2.12
sdW=209.6
fwW=2.14
sdS=176.7
fwS=2.02
0 0 0 0 0 0 0 0 0


sdN=350.3
fwN=2.37
sdE=255.3
fwE=2.37
20180409T132841.0001.fits
SecZ=1.17
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.5 18.9 19.1
ALT/AZ=59.1 72.6
fwAVG=2.30
sdW=191.1
fwW=2.23
sdS=158.3
fwS=2.39
0 0 0 0 0 0 0 0 0


sdN=353.0
fwN=2.33
sdE=245.5
fwE=2.50
20180409T132954.0001.fits
SecZ=1.16
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.4 0.0 19.1
ALT/AZ=59.3 72.6
fwAVG=2.34
sdW=194.9
fwW=2.27
sdS=158.4
fwS=2.32
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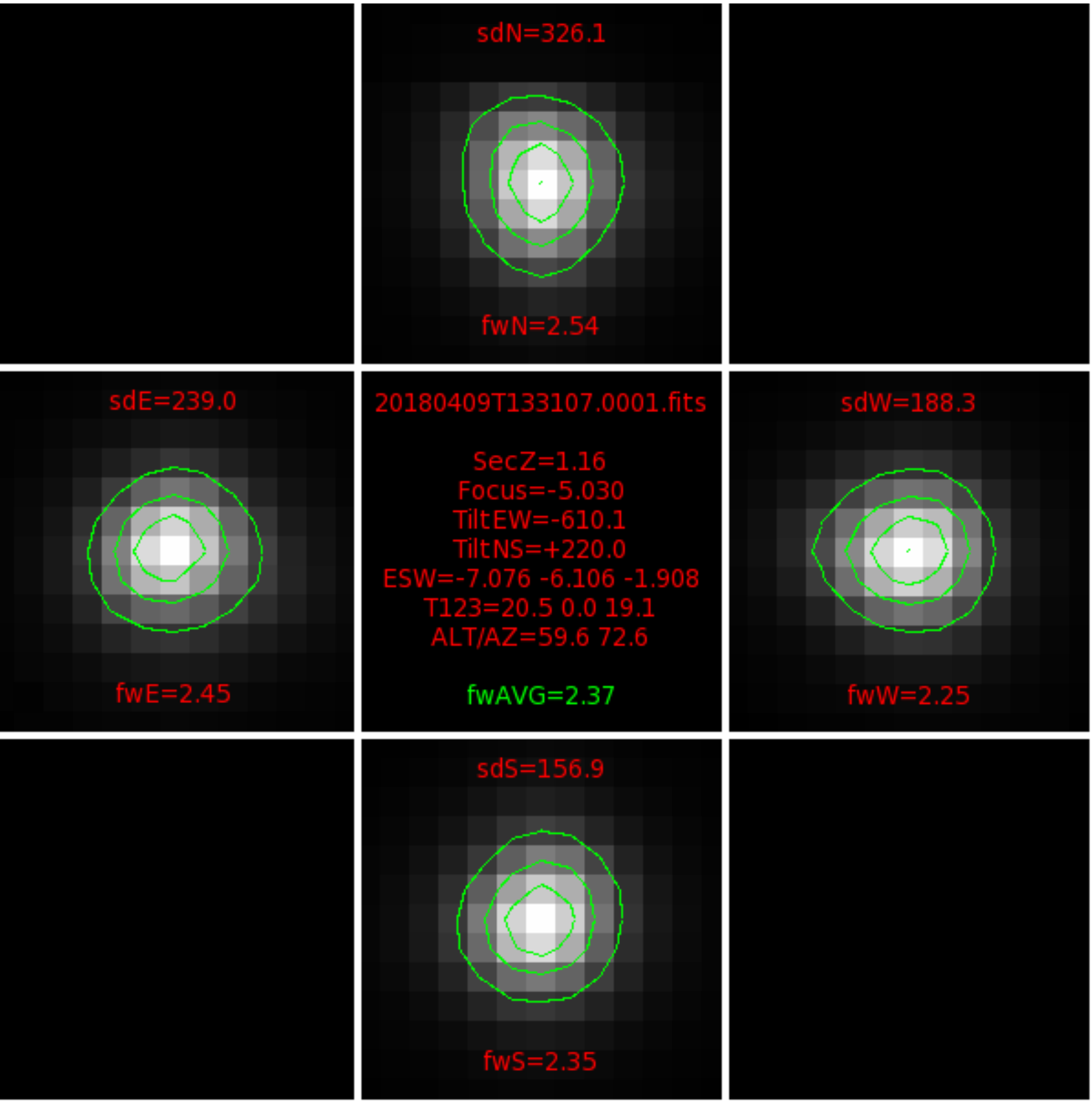
sdN=326.1
fwN=2.54
sdE=239.0
fwE=2.45
20180409T133107.0001.fits
SecZ=1.16
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.5 0.0 19.1
ALT/AZ=59.6 72.6
fwAVG=2.37
sdW=188.3
fwW=2.25
sdS=156.9
fwS=2.35
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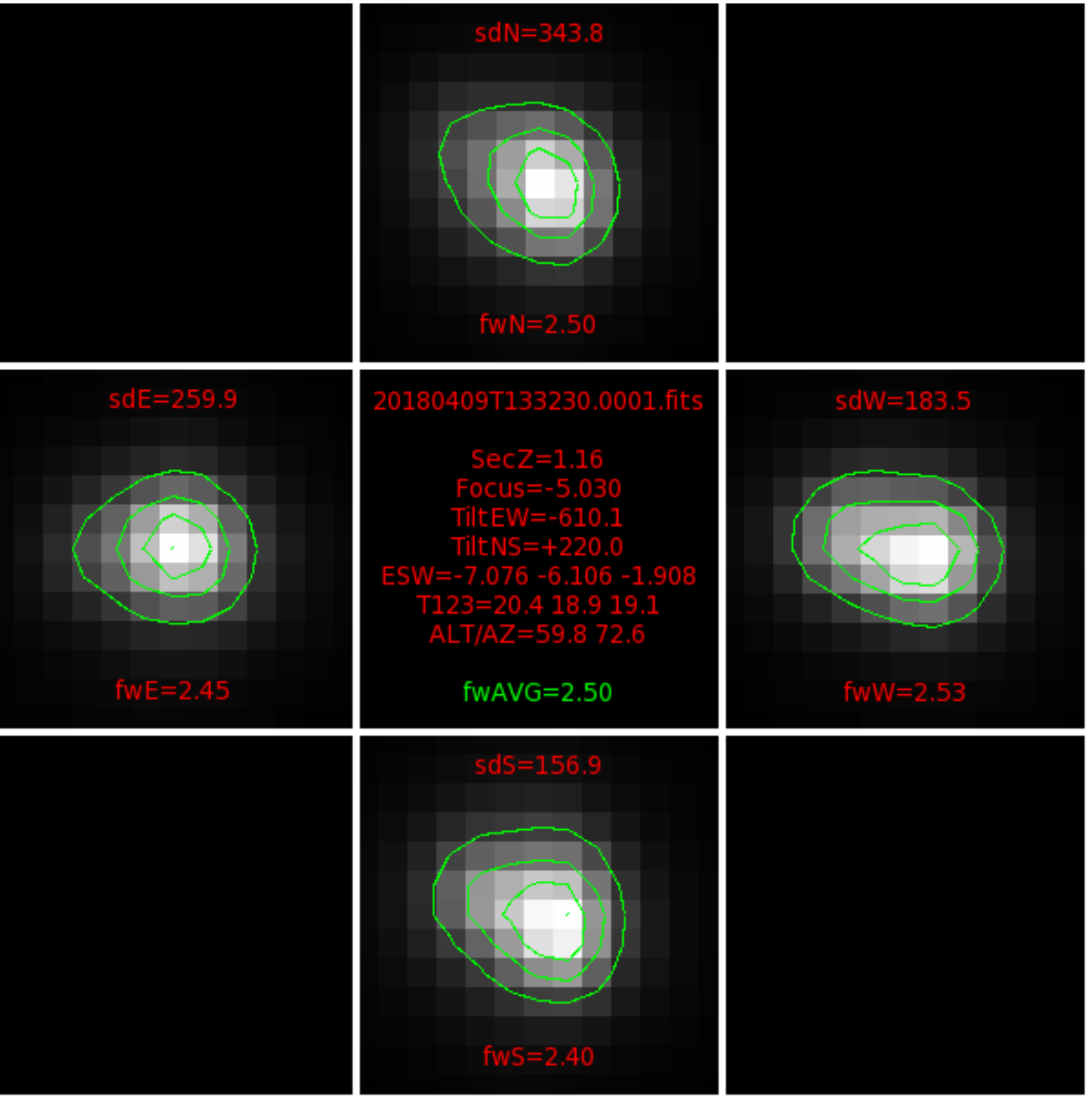
sdN=343.8
fwN=2.50
sdE=259.9
fwE=2.45
20180409T133230.0001.fits
SecZ=1.16
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.4 18.9 19.1
ALT/AZ=59.8 72.6
fwAVG=2.50
sdW=183.5
fwW=2.53
sdS=156.9
fwS=2.40
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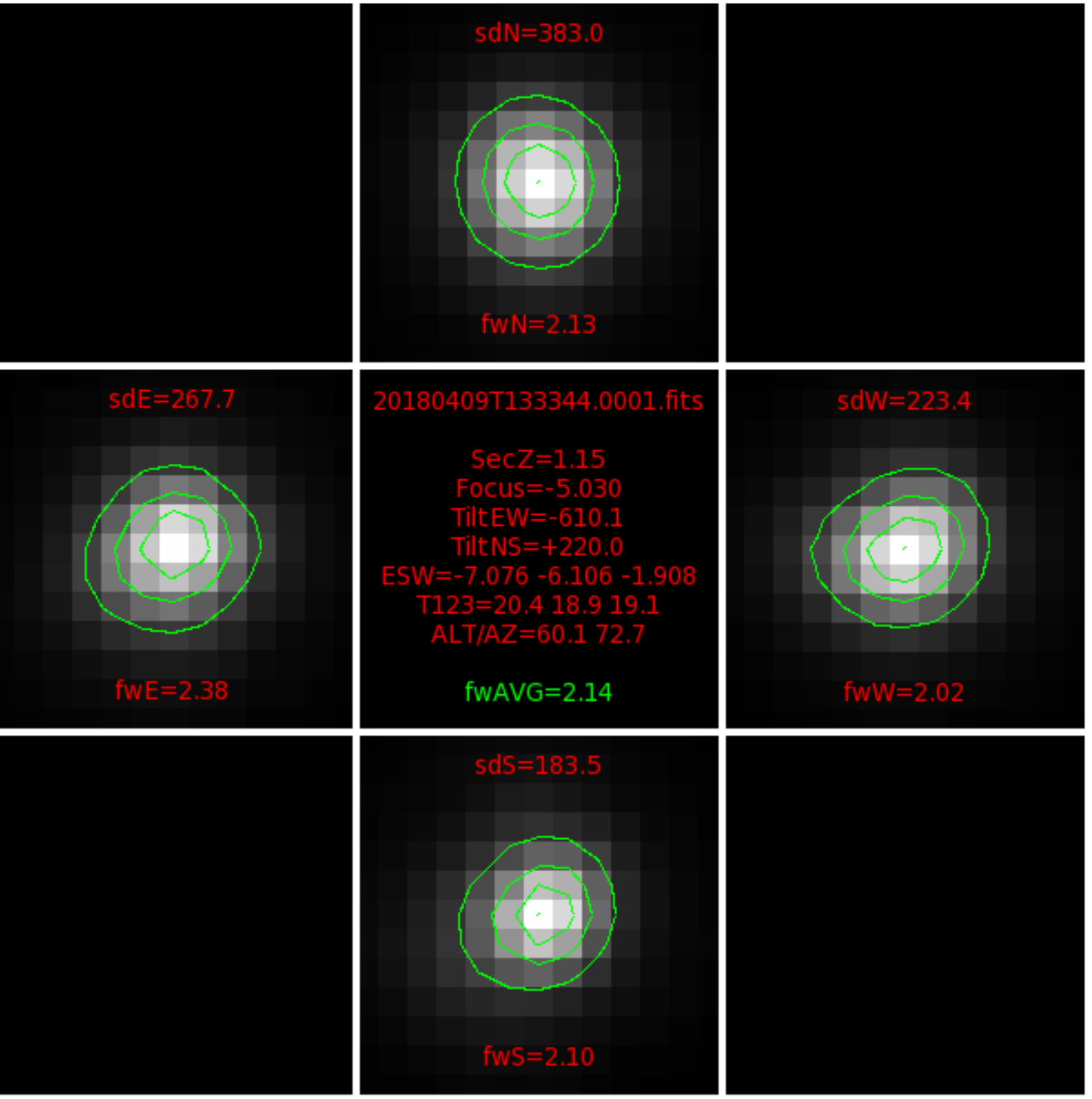
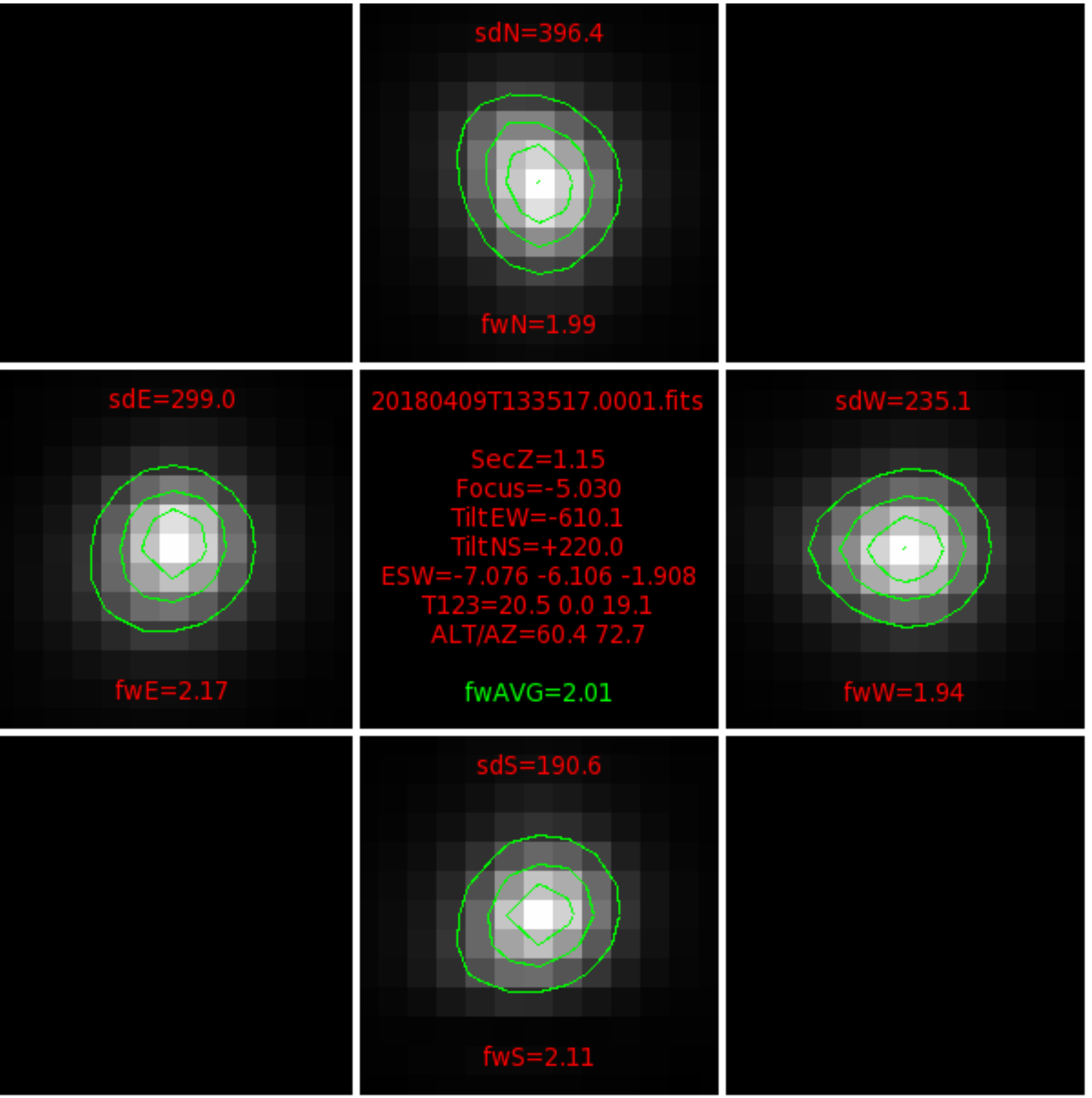
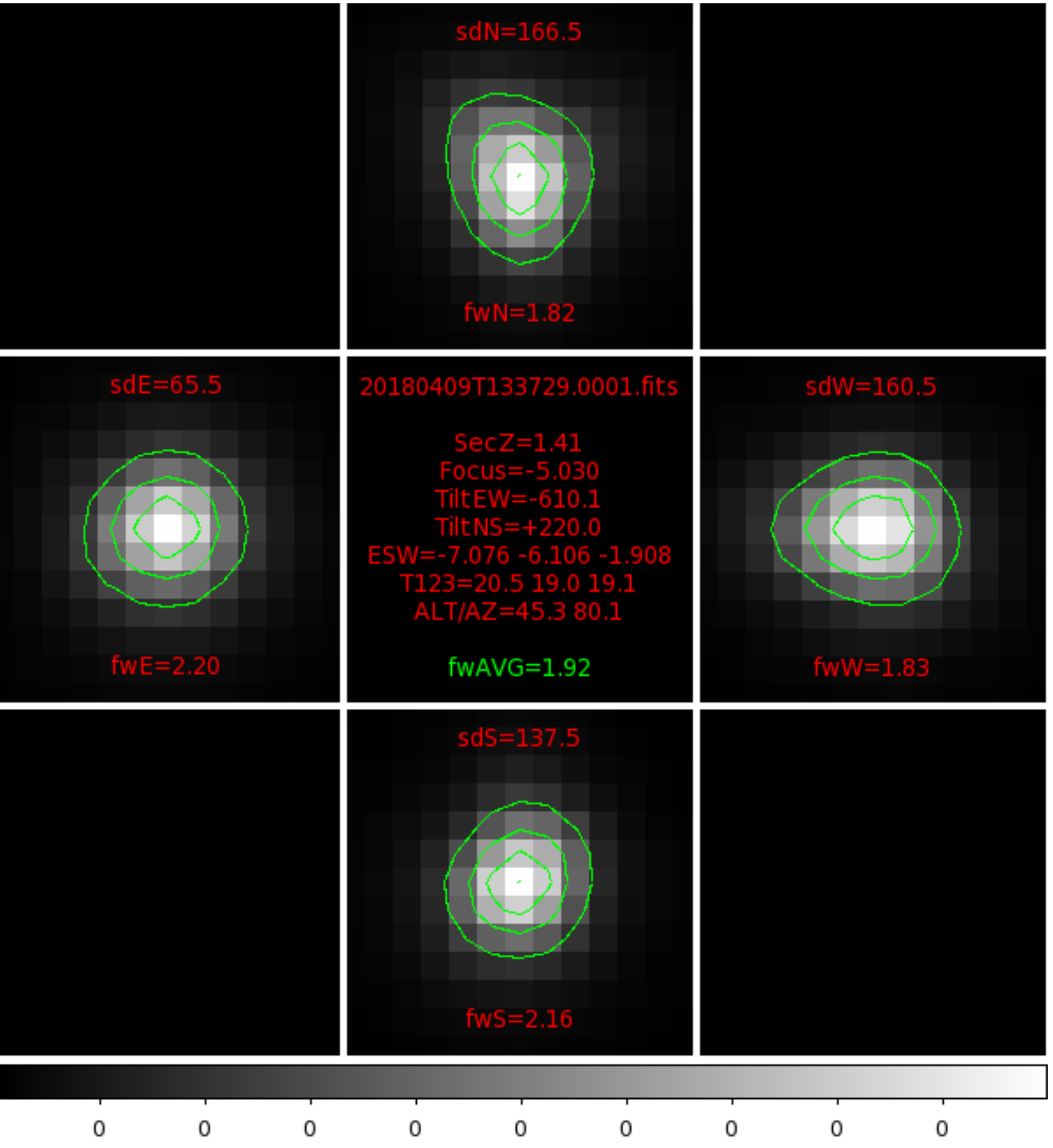

sdN=383.0
fwN=2.13
sdE=267.7
fwE=2.38
20180409T133344.0001.fits
SecZ=1.15
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.4 18.9 19.1
ALT/AZ=60.1 72.7
fwAVG=2.14
sdW=223.4
fwW=2.02
sdS=183.5
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=396.4
fwN=1.99
sdE=299.0
fwE=2.17
20180409T133517.0001.fits
SecZ=1.15
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.5 0.0 19.1
ALT/AZ=60.4 72.7
fwAVG=2.01
sdW=235.1
fwW=1.94
sdS=190.6
fwS=2.11
0 0 0 0 0 0 0 0 0


sdN=166.5
fwN=1.82
sdE=65.5
fwE=2.20
20180409T133729.0001.fits
SecZ=1.41
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.5 19.0 19.1
ALT/AZ=45.3 80.1
fwAVG=1.92
sdW=160.5
fwW=1.83
sdS=137.5
fwS=2.16
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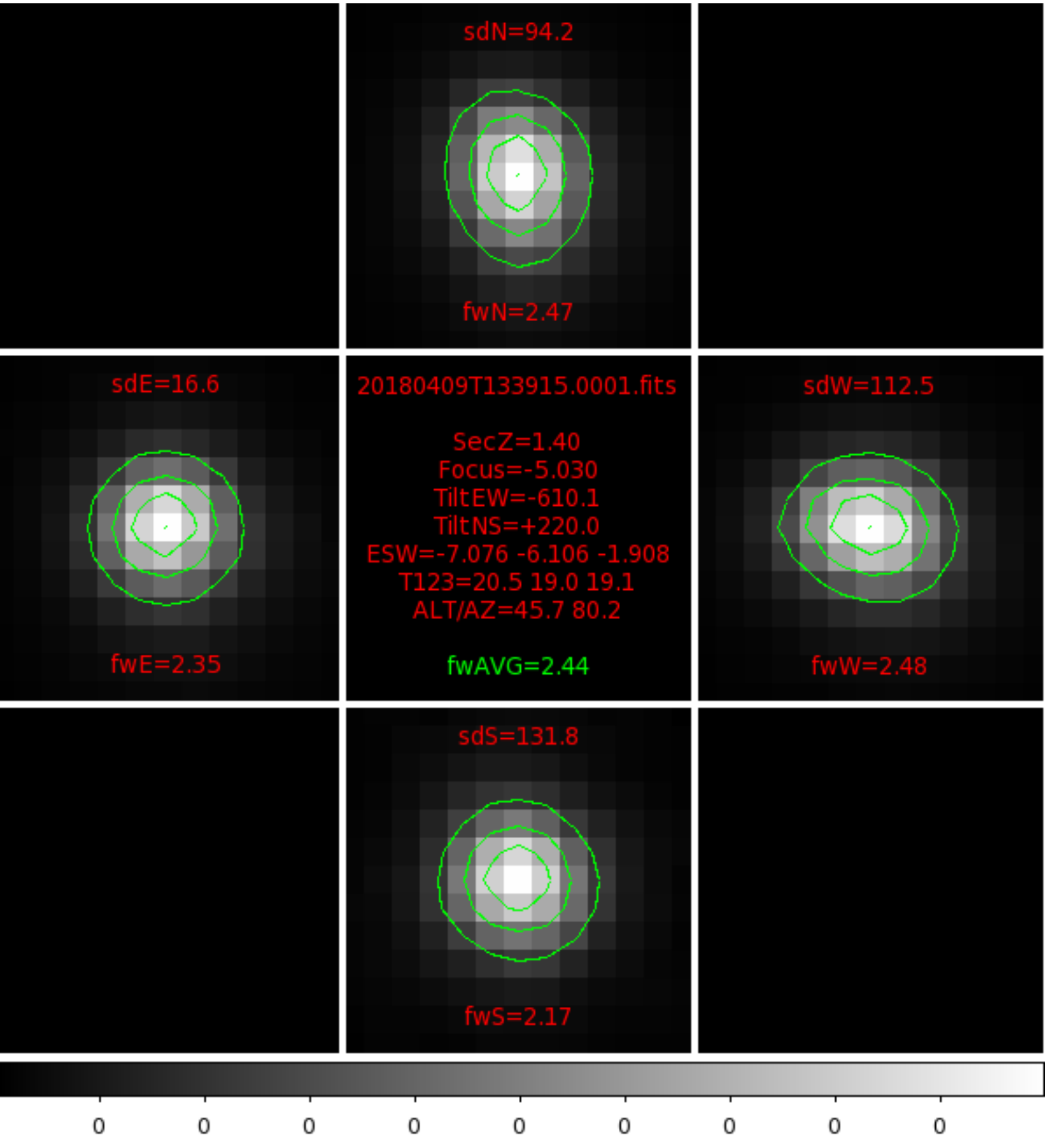
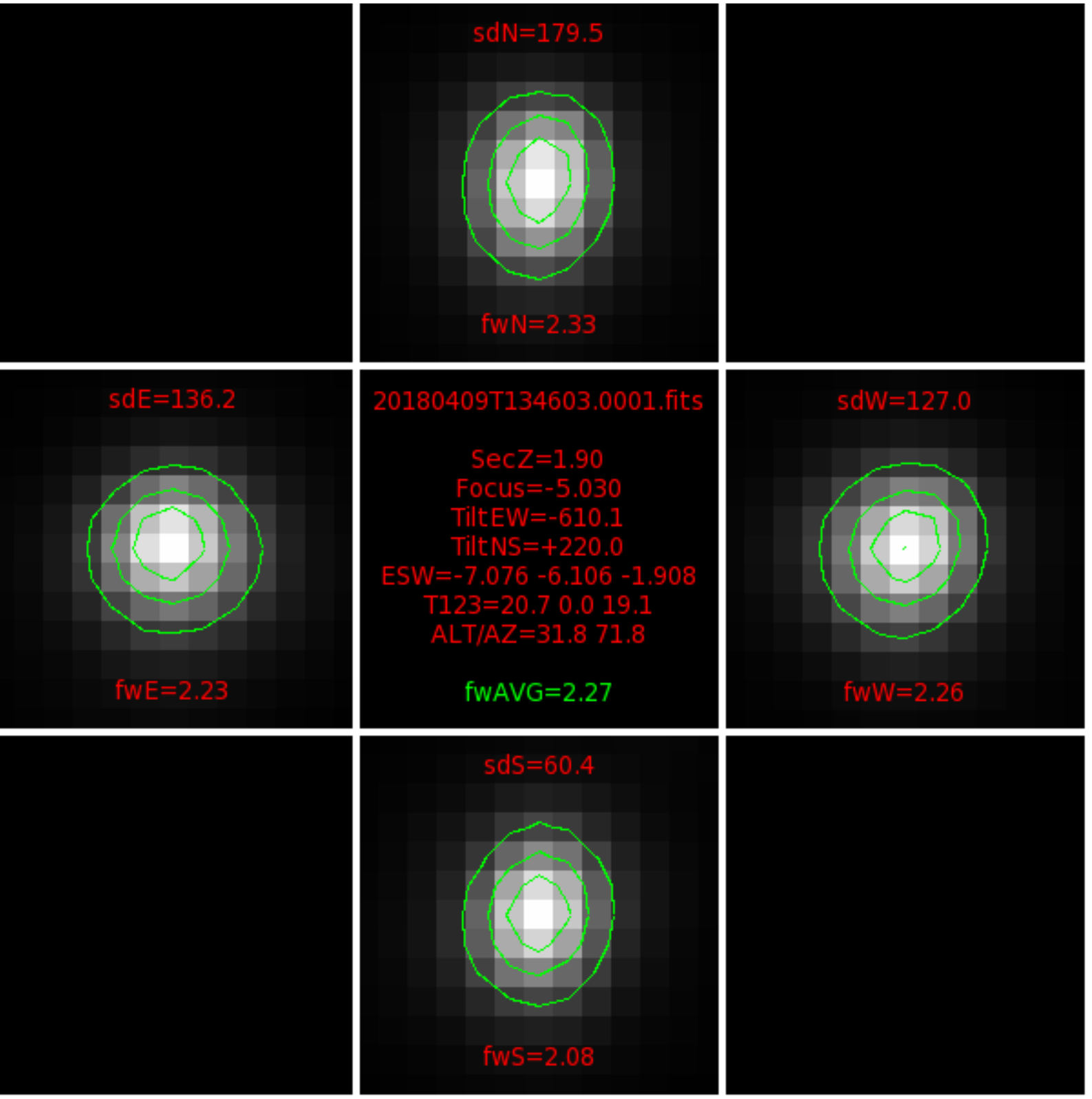

sdN=94.2
fwN=2.47
sdE=16.6
fwE=2.35
20180409T133915.0001.fits
SecZ=1.40
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.5 19.0 19.1
ALT/AZ=45.7 80.2
fwAVG=2.44
sdW=112.5
fwW=2.48
sdS=131.8
fwS=2.17
0 0 0 0 0 0 0 0 0


sdN=179.5
fwN=2.33
sdE=136.2
fwE=2.23
20180409T134603.0001.fits
SecZ=1.90
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.7 0.0 19.1
ALT/AZ=31.8 71.8
fwAVG=2.27
sdW=127.0
fwW=2.26
sdS=60.4
fwS=2.08
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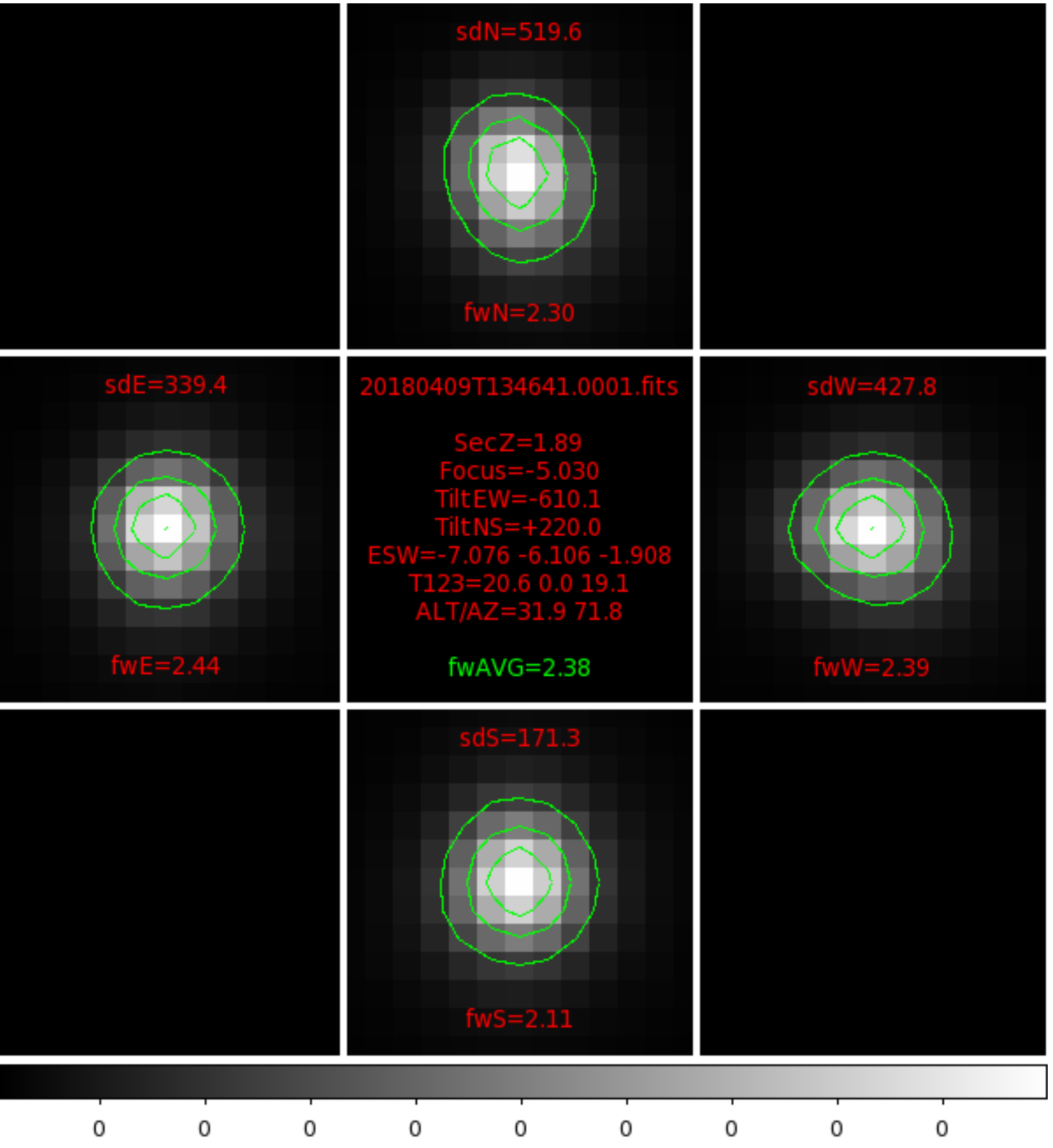
sdN=519.6
fwN=2.30
sdE=339.4
fwE=2.44
20180409T134641.0001.fits
SecZ=1.89
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.6 0.0 19.1
ALT/AZ=31.9 71.8
fwAVG=2.38
sdW=427.8
fwW=2.39
sdS=171.3
fwS=2.11
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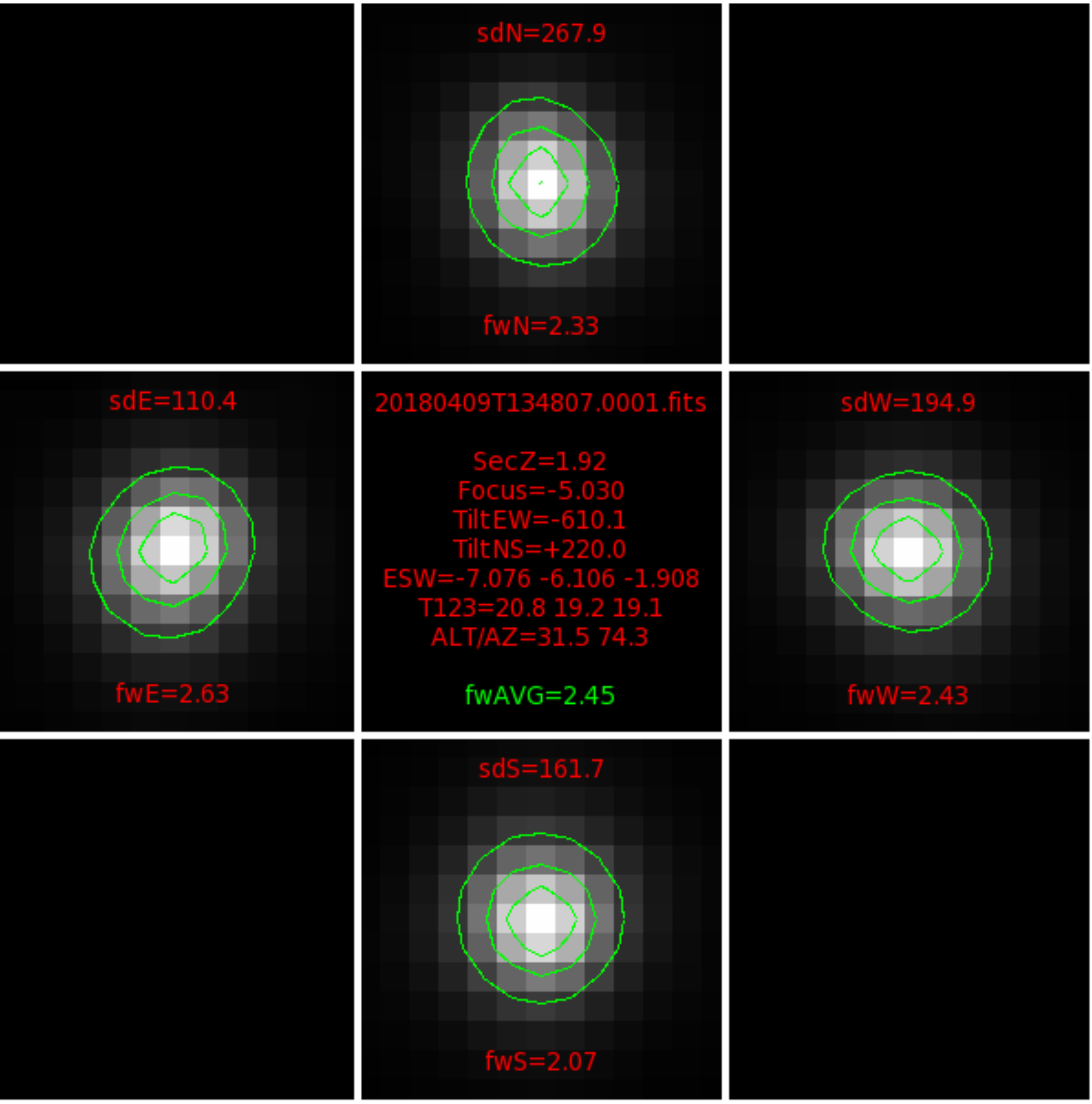
sdN=267.9
fwN=2.33
sdE=110.4
fwE=2.63
20180409T134807.0001.fits
SecZ=1.92
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 19.2 19.1
ALT/AZ=31.5 74.3
fwAVG=2.45
sdW=194.9
fwW=2.43
sdS=161.7
fwS=2.07
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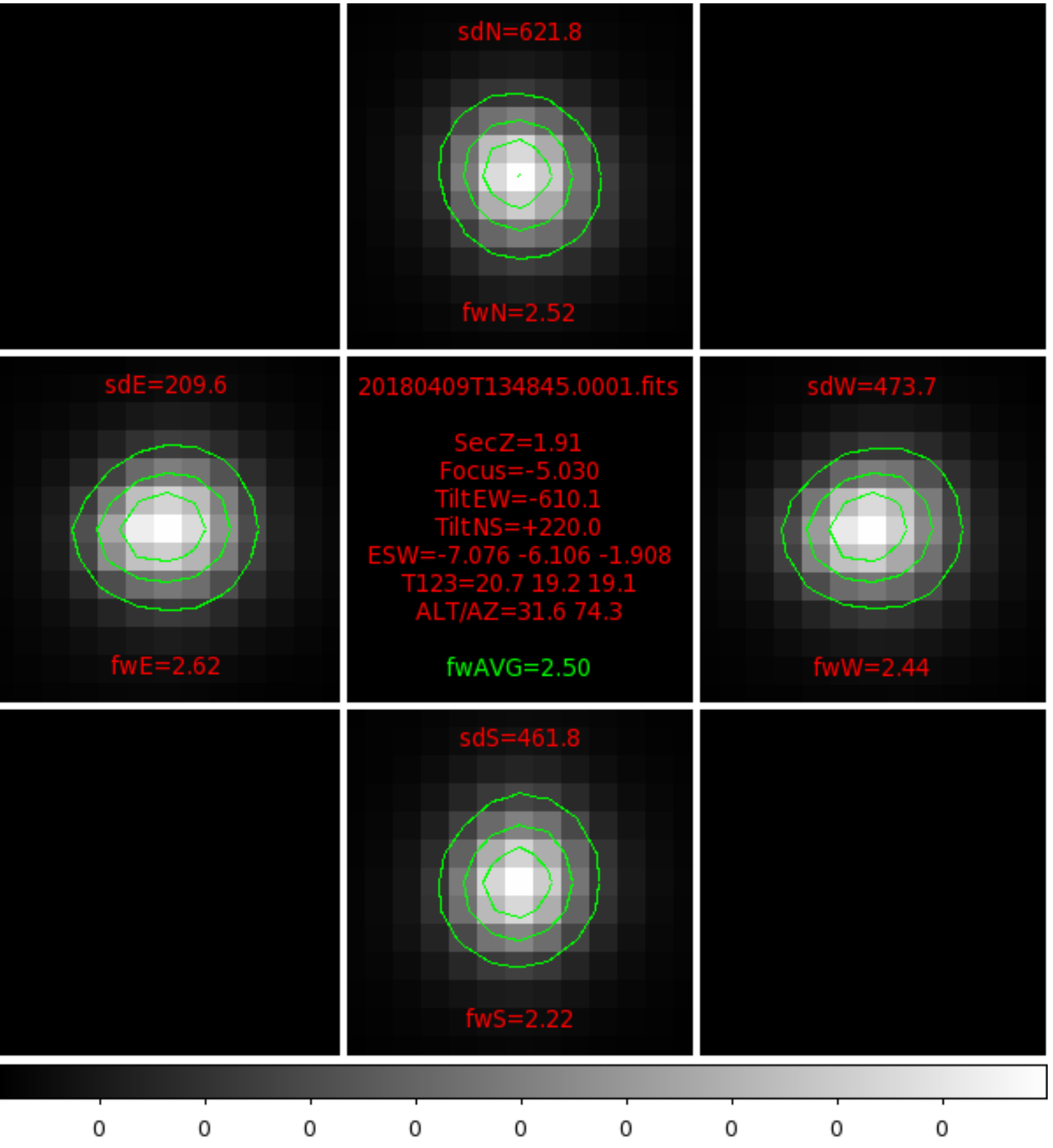
sdN=621.8
fwN=2.52
sdE=209.6
fwE=2.62
20180409T134845.0001.fits
SecZ=1.91
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.7 19.2 19.1
ALT/AZ=31.6 74.3
fwAVG=2.50
sdW=473.7
fwW=2.44
sdS=461.8
fwS=2.22
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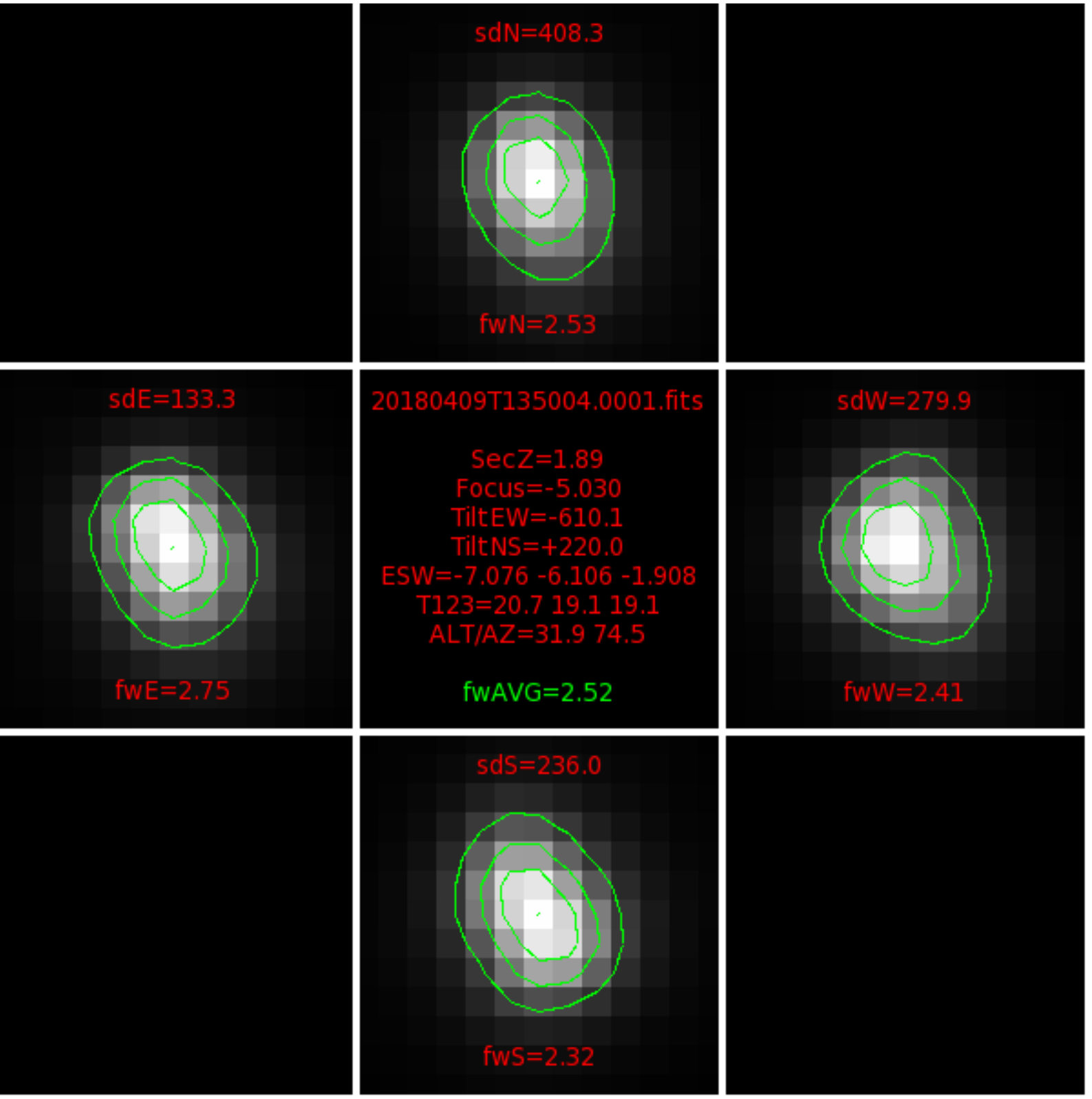
sdN=408.3
fwN=2.53
sdE=133.3
fwE=2.75
20180409T135004.0001.fits
SecZ=1.89
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.7 19.1 19.1
ALT/AZ=31.9 74.5
fwAVG=2.52
sdW=279.9
fwW=2.41
sdS=236.0
fwS=2.32
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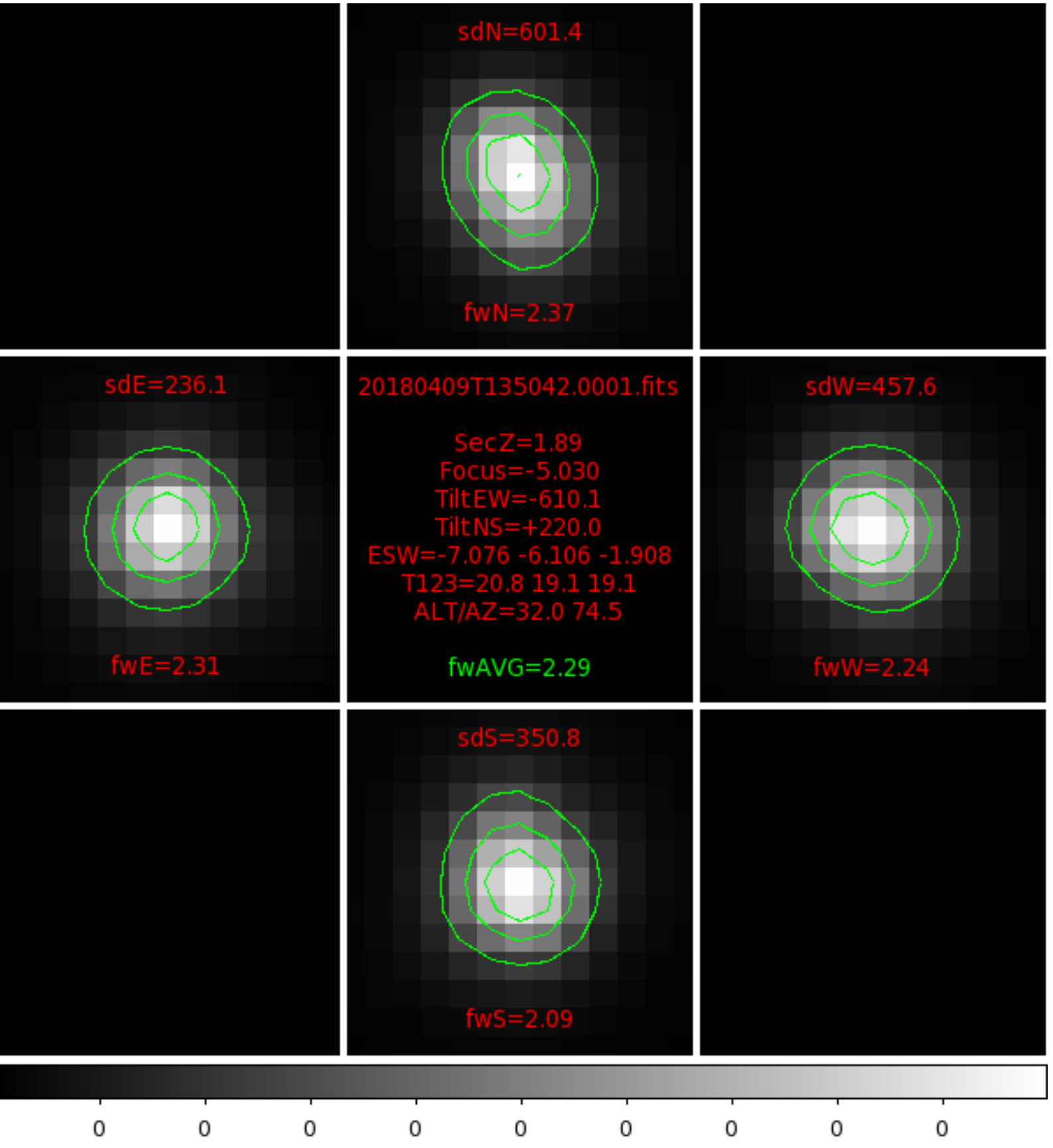
sdN=601.4
fwN=2.37
sdE=236.1
fwE=2.31
20180409T135042.0001.fits
SecZ=1.89
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 19.1 19.1
ALT/AZ=32.0 74.5
fwAVG=2.29
sdW=457.6
fwW=2.24
sdS=350.8
fwS=2.09
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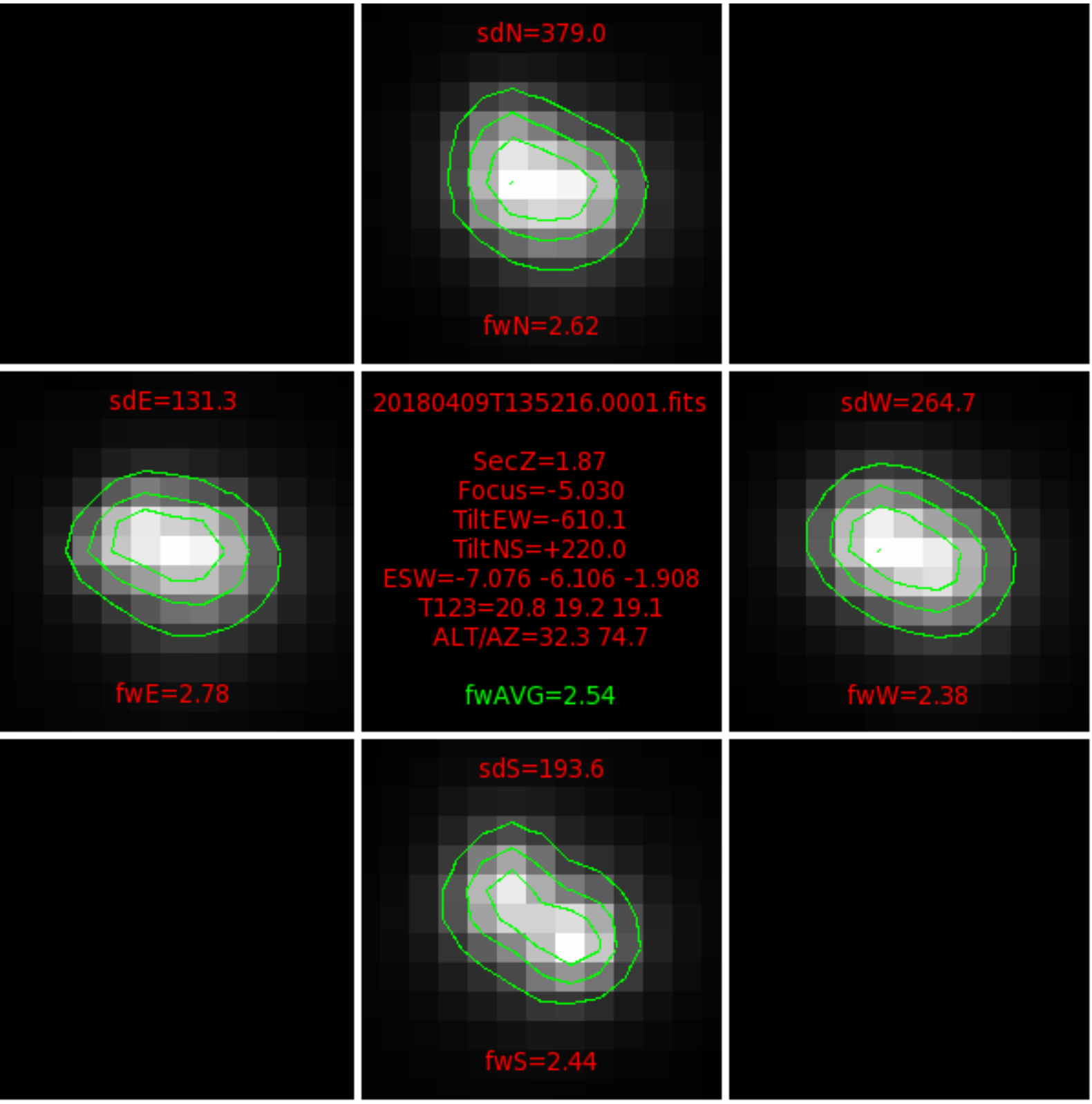
sdN=379.0
fwN=2.62
sdE=131.3
fwE=2.78
20180409T135216.0001.fits
SecZ=1.87
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 19.2 19.1
ALT/AZ=32.3 74.7
fwAVG=2.54
sdW=264.7
fwW=2.38
sdS=193.6
fwS=2.44
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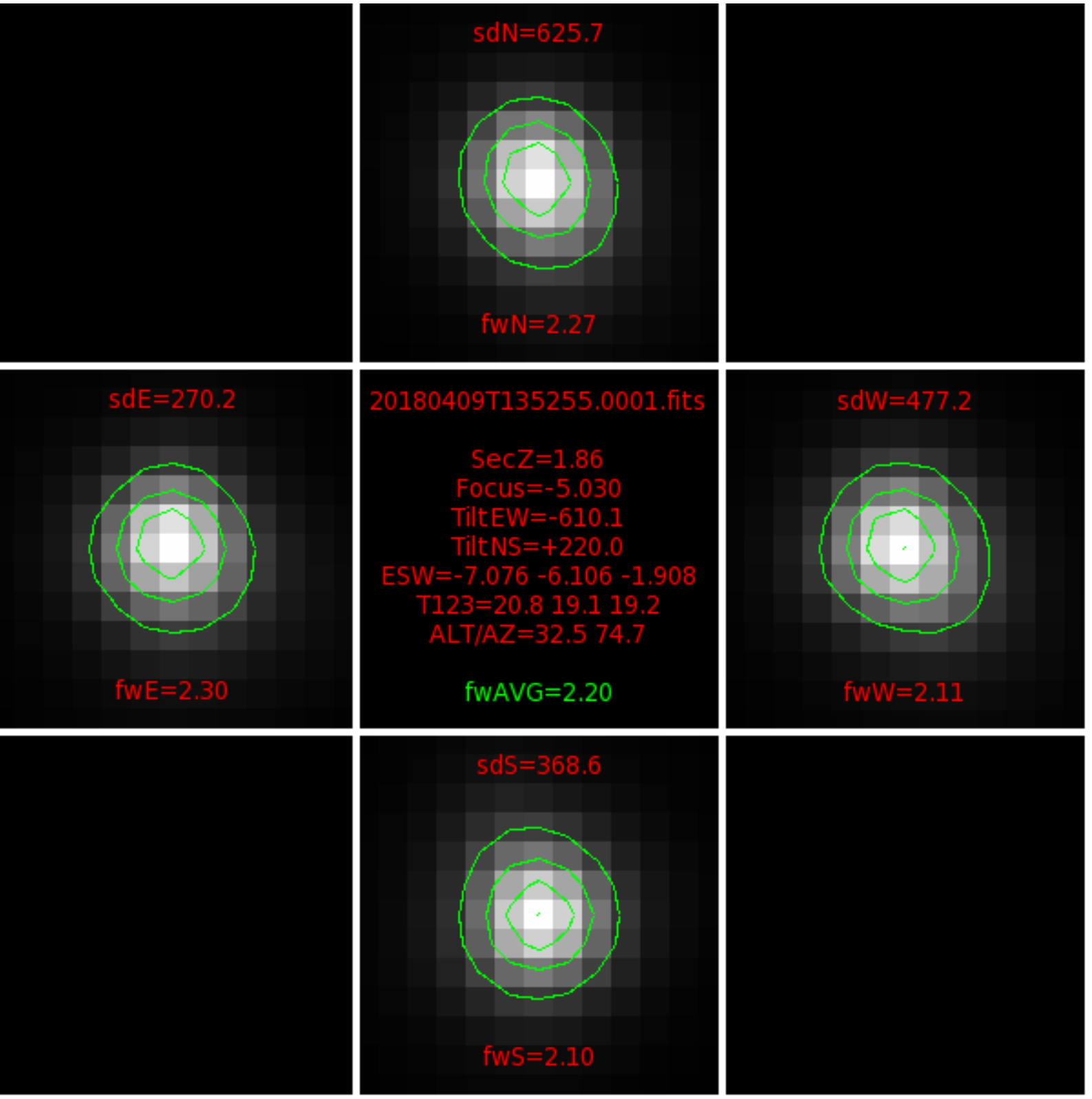
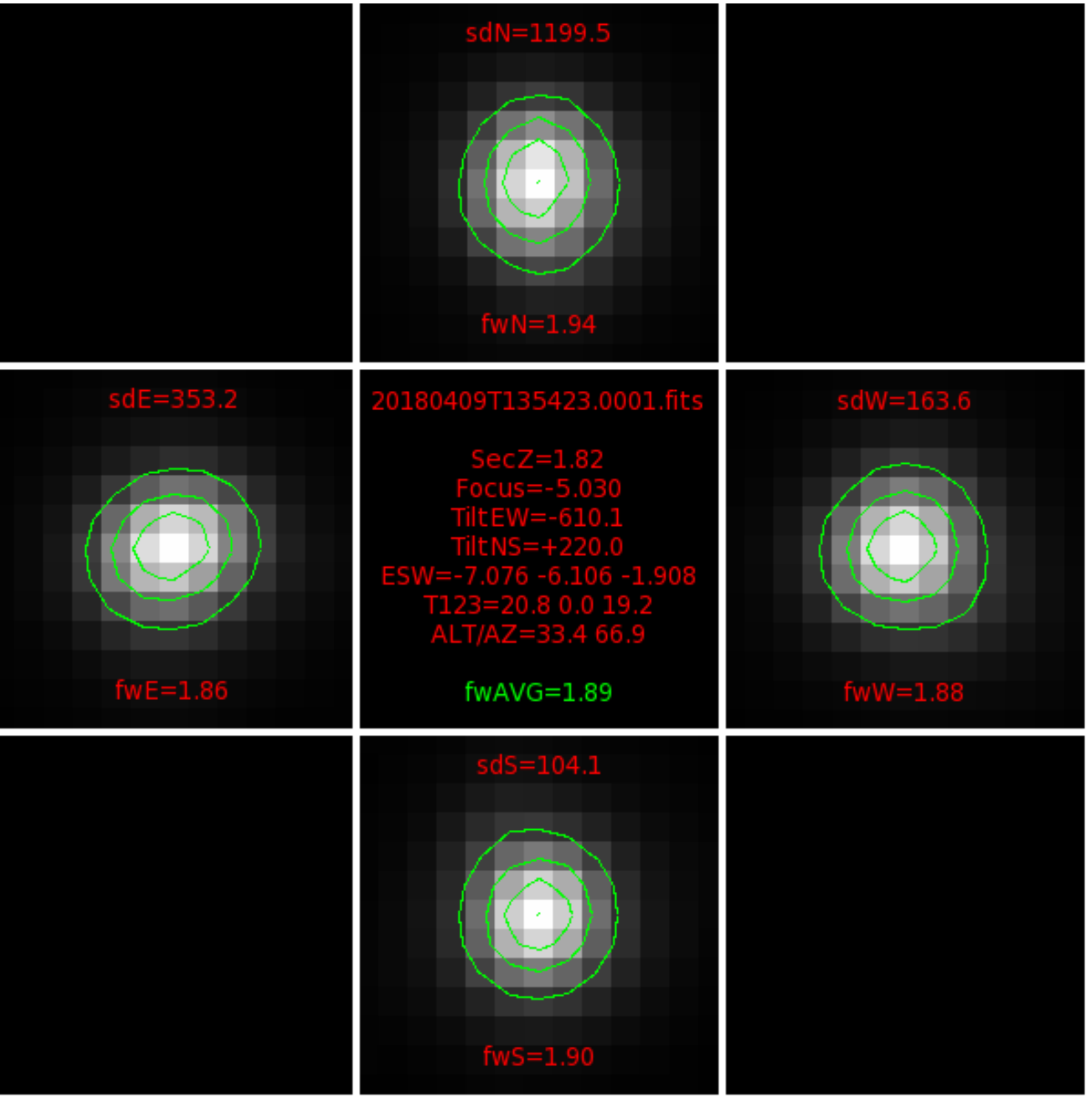

sdN=625.7
fwN=2.27
sdE=270.2
fwE=2.30
20180409T135255.0001.fits
SecZ=1.86
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 19.1 19.2
ALT/AZ=32.5 74.7
fwAVG=2.20
sdW=477.2
fwW=2.11
sdS=368.6
fwS=2.10
0 0 0 0 0 0 0 0 0


sdN=1199.5
fwN=1.94
sdE=353.2
fwE=1.86
20180409T135423.0001.fits
SecZ=1.82
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 0.0 19.2
ALT/AZ=33.4 66.9
fwAVG=1.89
sdW=163.6
fwW=1.88
sdS=104.1
fwS=1.90
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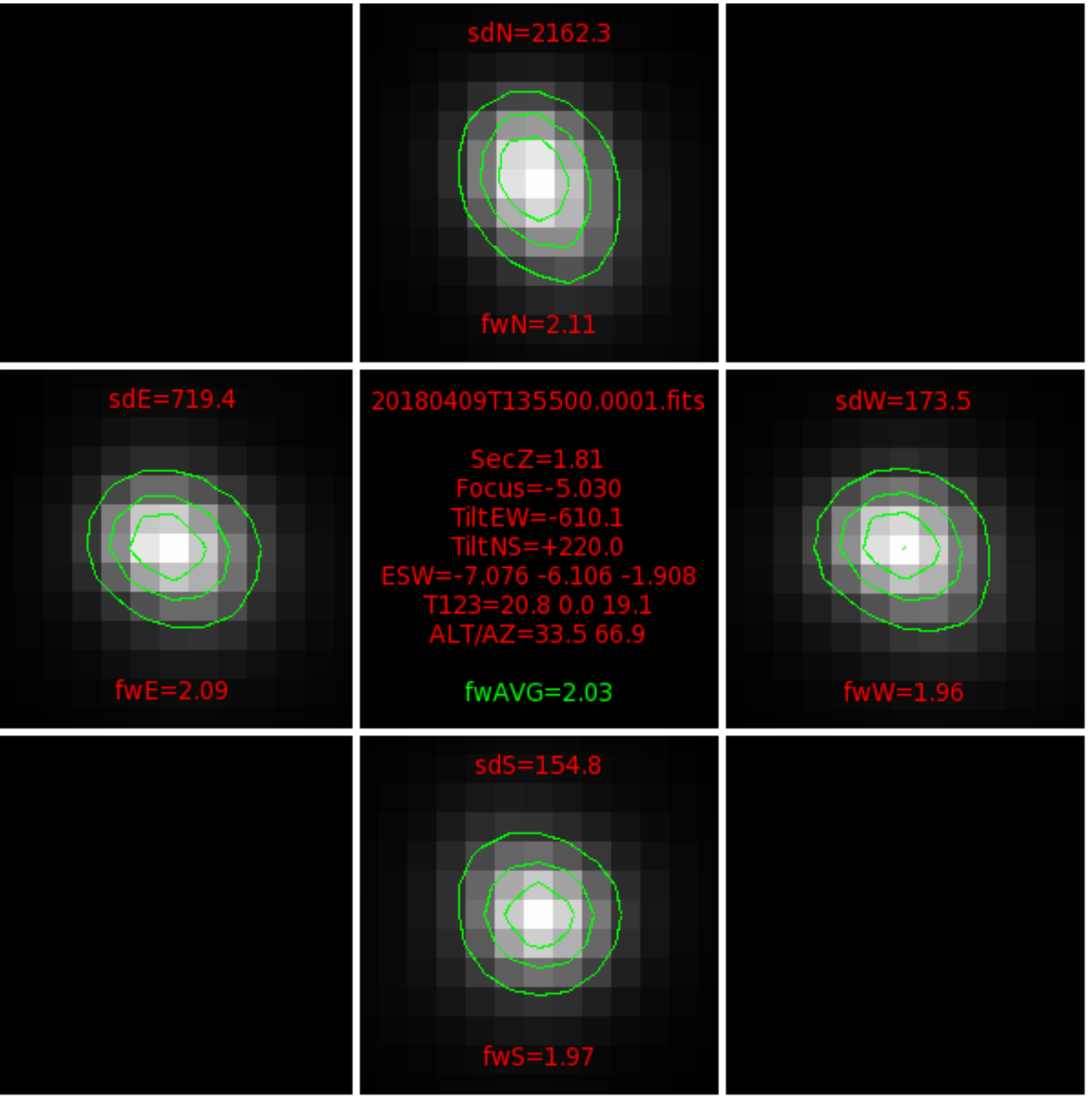
sdN=2162.3
fwN=2.11
sdE=719.4
fwE=2.09
20180409T135500.0001.fits
SecZ=1.81
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 0.0 19.1
ALT/AZ=33.5 66.9
fwAVG=2.03
sdW=173.5
fwW=1.96
sdS=154.8
fwS=1.97
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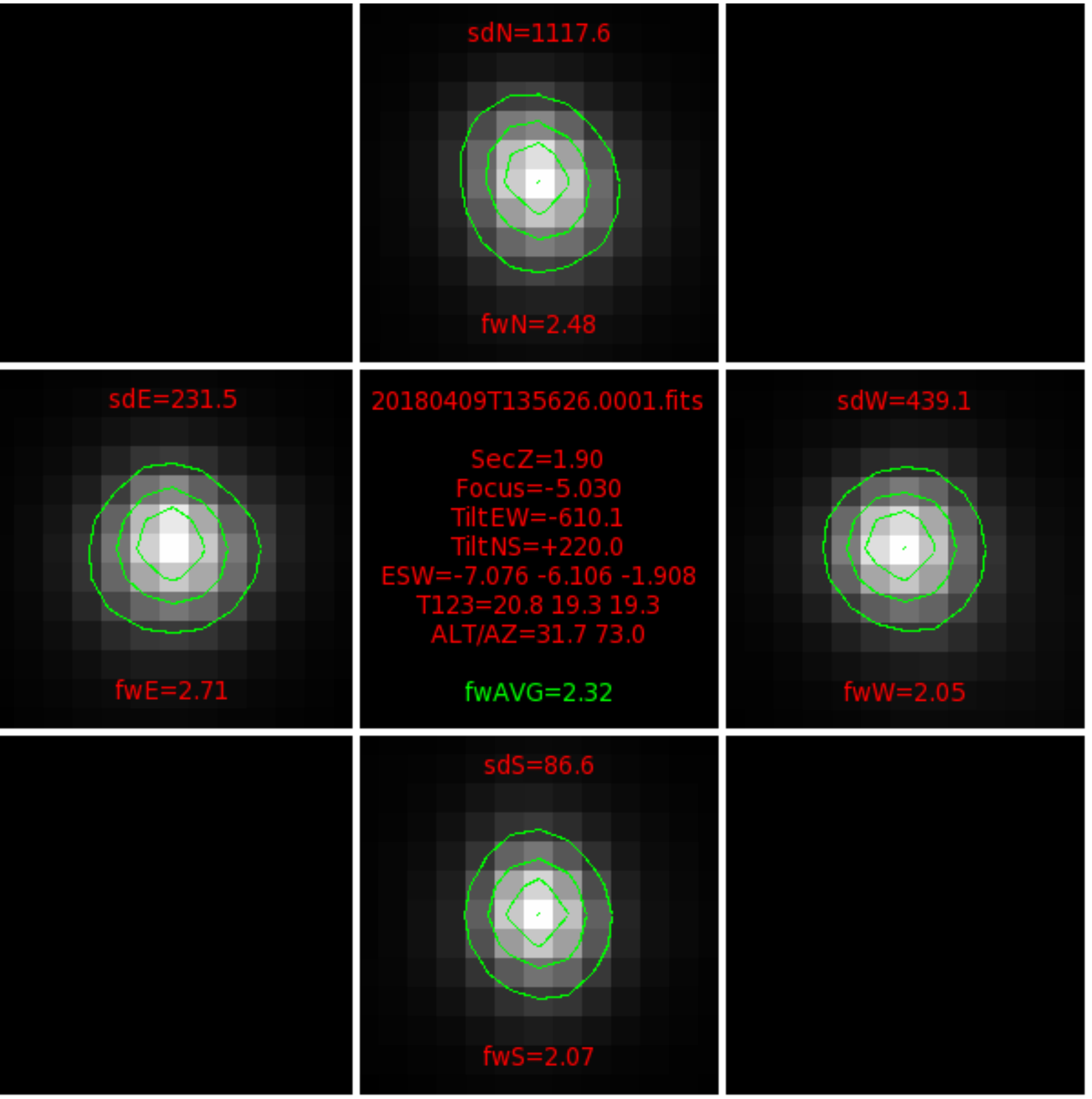
sdN=1117.6
fwN=2.48
sdE=231.5
fwE=2.71
20180409T135626.0001.fits
SecZ=1.90
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 19.3 19.3
ALT/AZ=31.7 73.0
fwAVG=2.32
sdW=439.1
fwW=2.05
sdS=86.6
fwS=2.07
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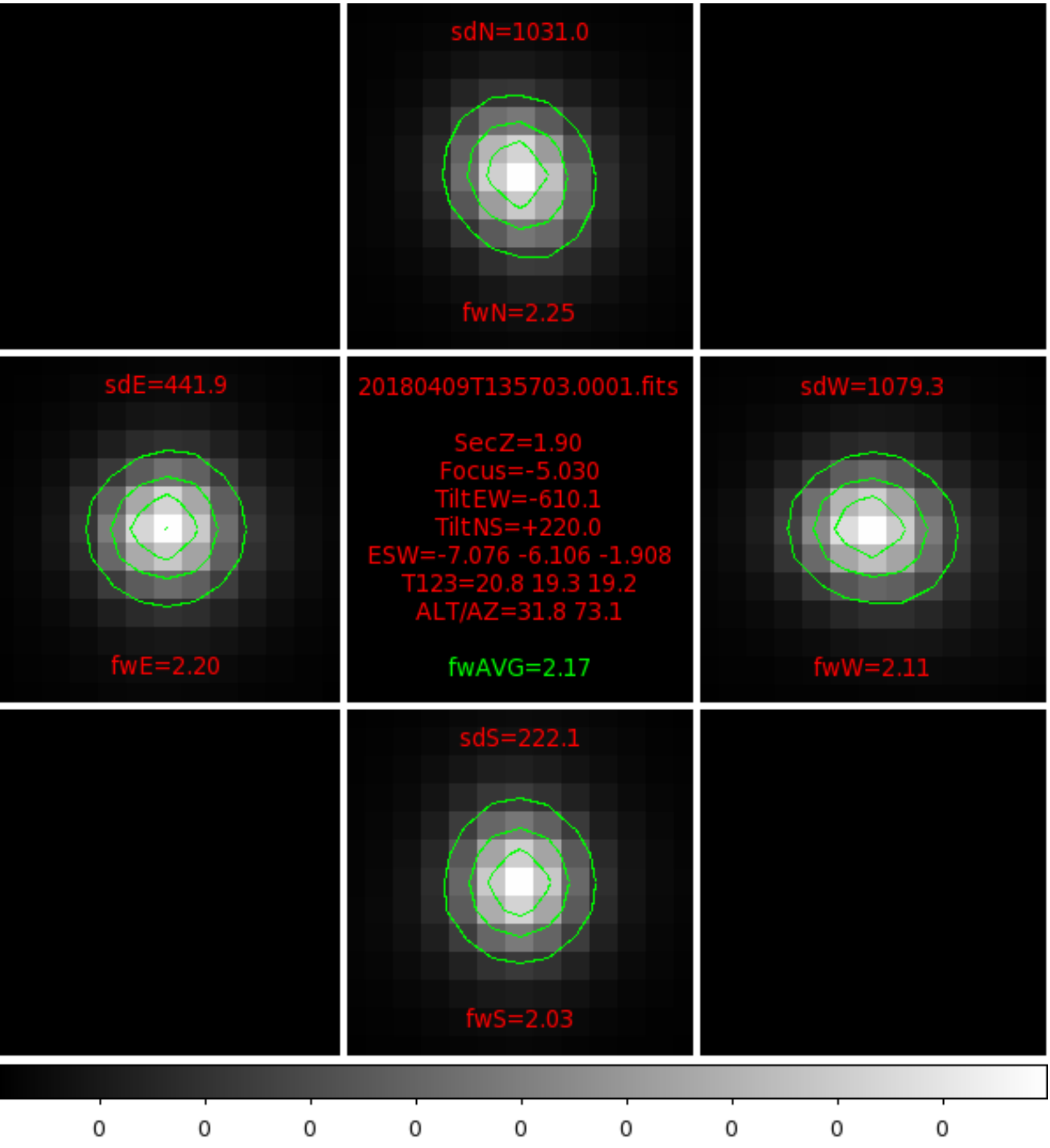
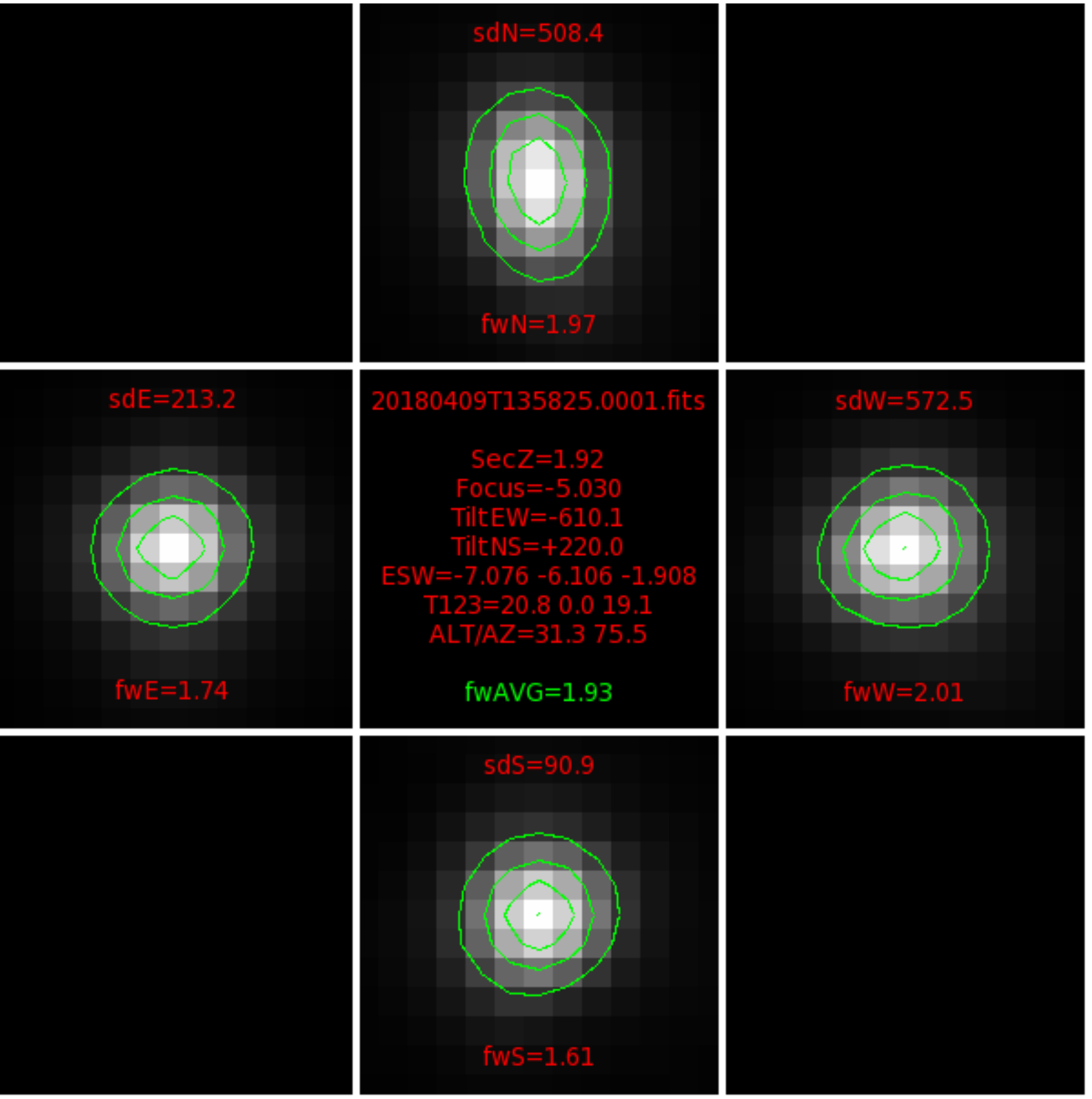

sdN=1031.0
fwN=2.25
sdE=441.9
fwE=2.20
20180409T135703.0001.fits
SecZ=1.90
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 19.3 19.2
ALT/AZ=31.8 73.1
fwAVG=2.17
sdW=1079.3
fwW=2.11
sdS=222.1
fwS=2.03
0 0 0 0 0 0 0 0 0


sdN=508.4
fwN=1.97
sdE=213.2
fwE=1.74
20180409T135825.0001.fits
SecZ=1.92
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 0.0 19.1
ALT/AZ=31.3 75.5
fwAVG=1.93
sdW=572.5
fwW=2.01
sdS=90.9
fwS=1.61
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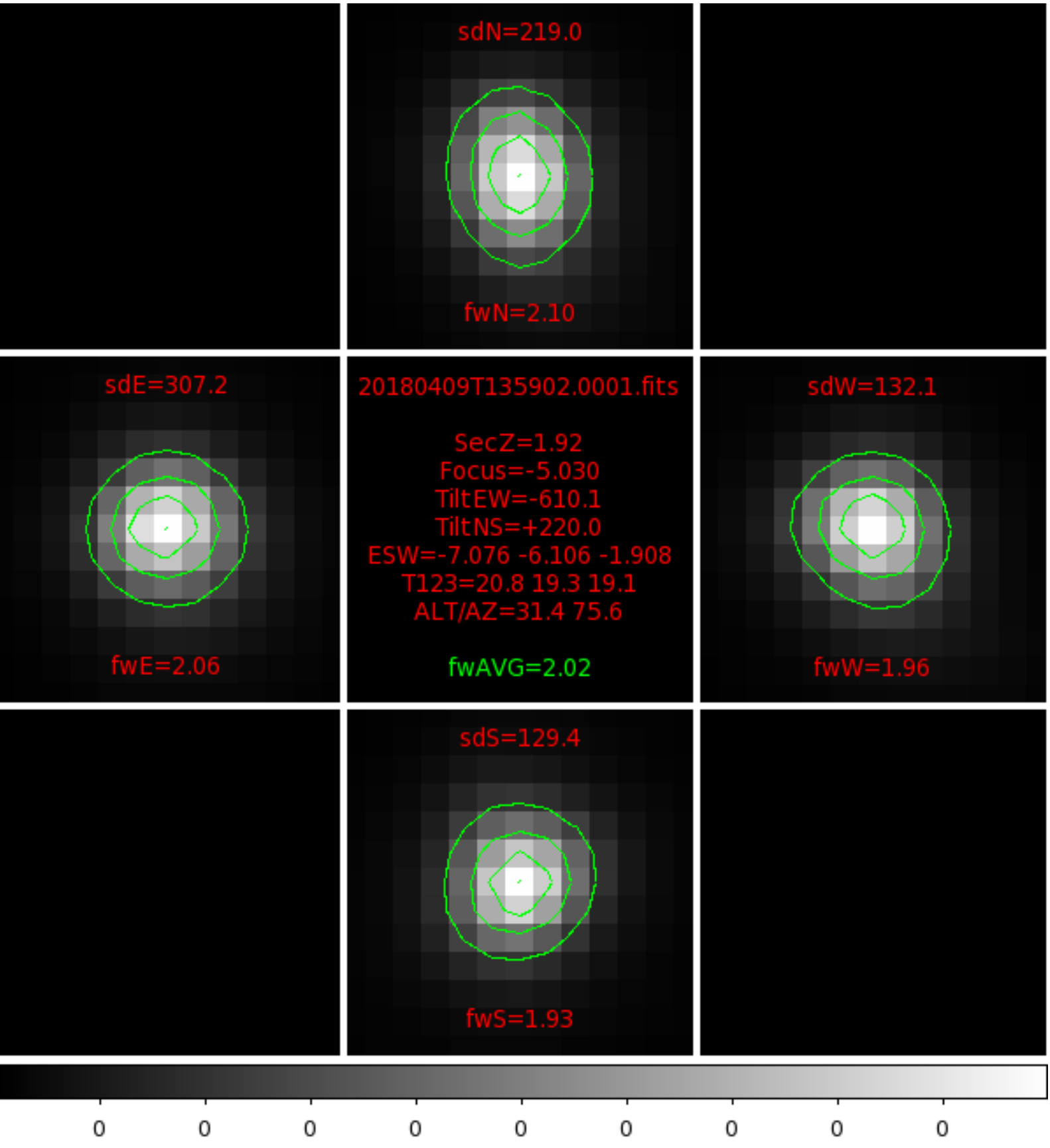
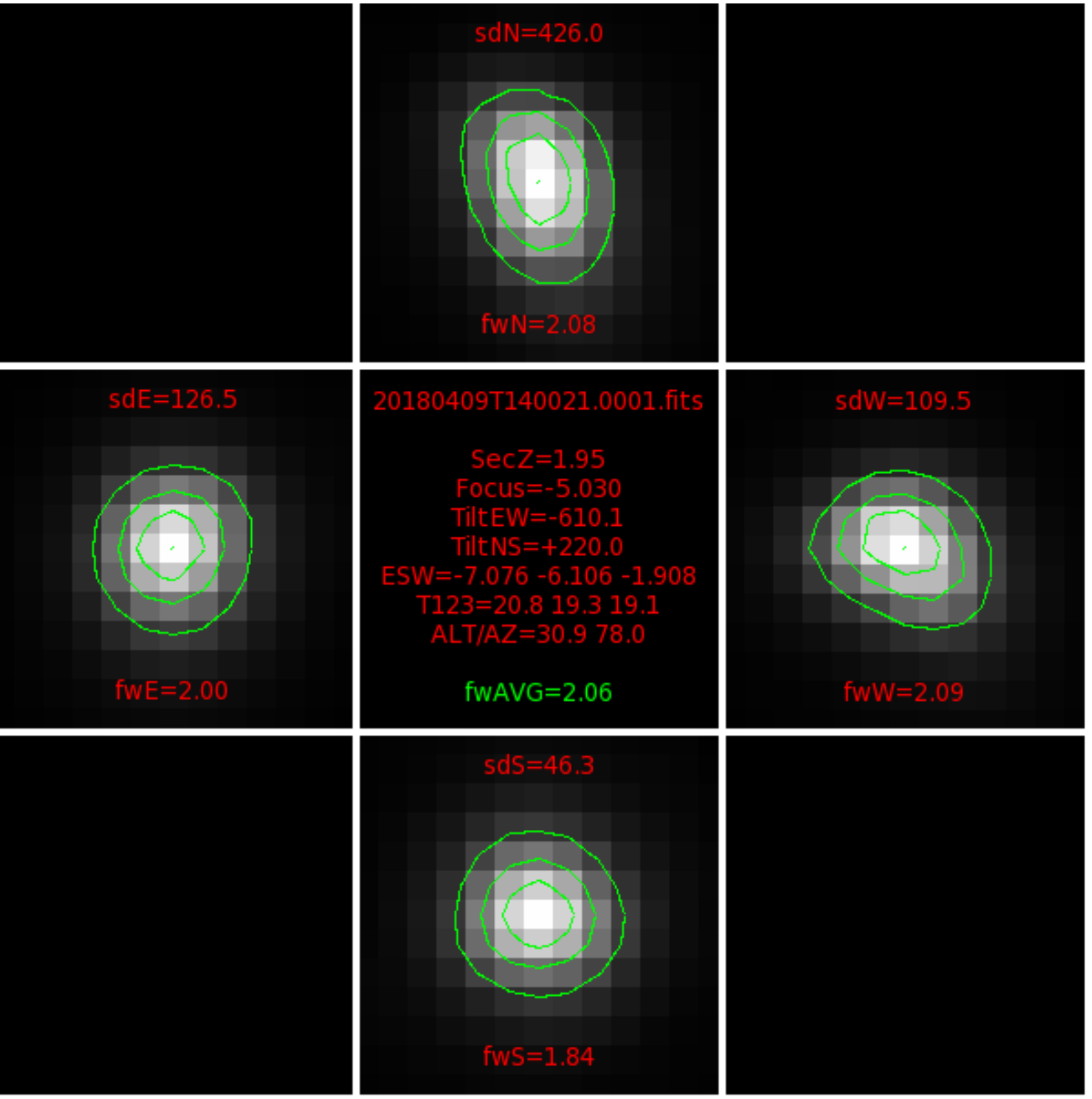

sdN=219.0
fwN=2.10
sdE=307.2
fwE=2.06
20180409T135902.0001.fits
SecZ=1.92
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 19.3 19.1
ALT/AZ=31.4 75.6
fwAVG=2.02
sdW=132.1
fwW=1.96
sdS=129.4
fwS=1.93
0 0 0 0 0 0 0 0 0


sdN=426.0
fwN=2.08
sdE=126.5
fwE=2.00
20180409T140021.0001.fits
SecZ=1.95
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 19.3 19.1
ALT/AZ=30.9 78.0
fwAVG=2.06
sdW=109.5
fwW=2.09
sdS=46.3
fwS=1.84
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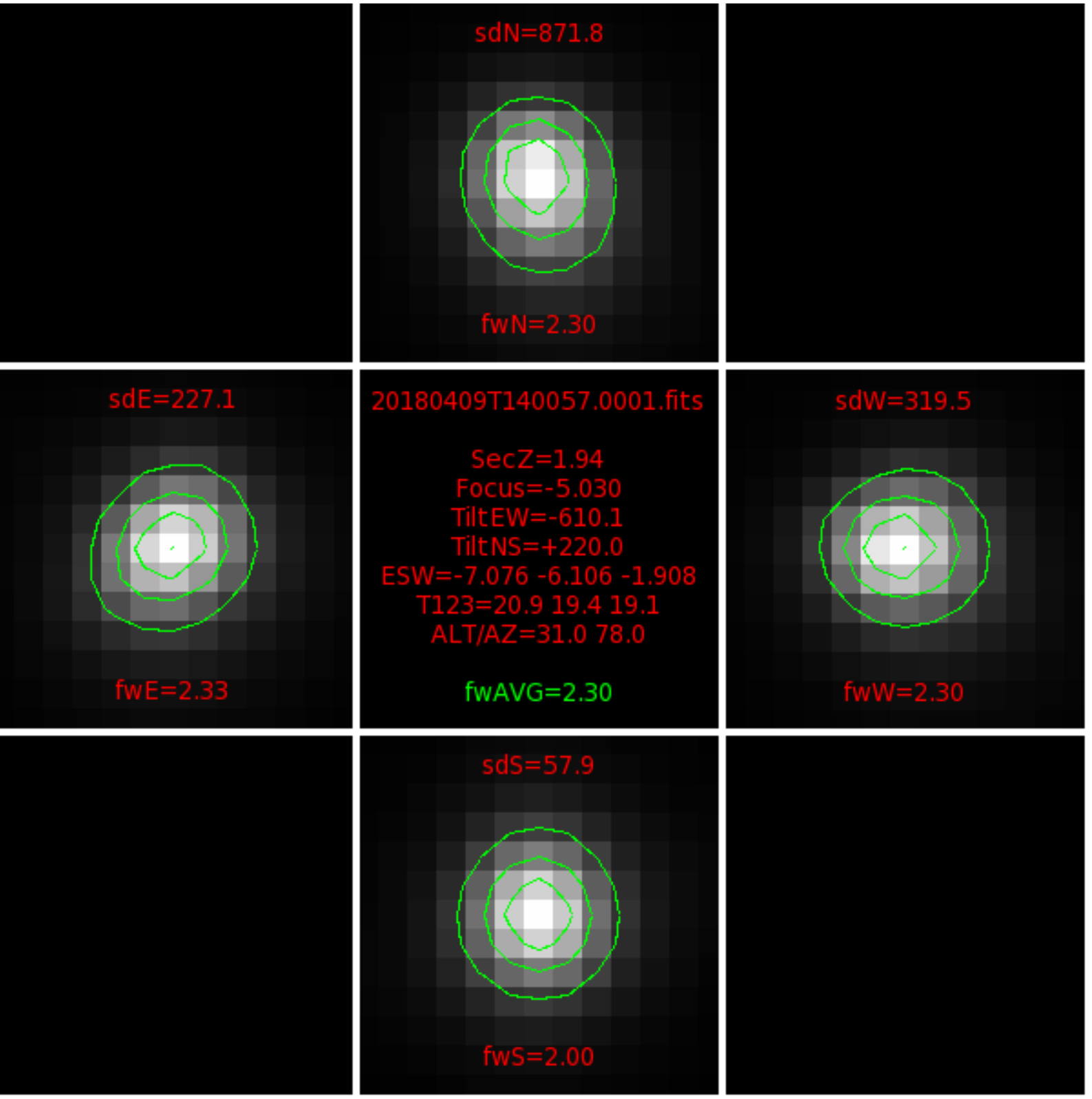
sdN=871.8
fwN=2.30
sdE=227.1
fwE=2.33
20180409T140057.0001.fits
SecZ=1.94
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.9 19.4 19.1
ALT/AZ=31.0 78.0
fwAVG=2.30
sdW=319.5
fwW=2.30
sdS=57.9
fwS=2.00
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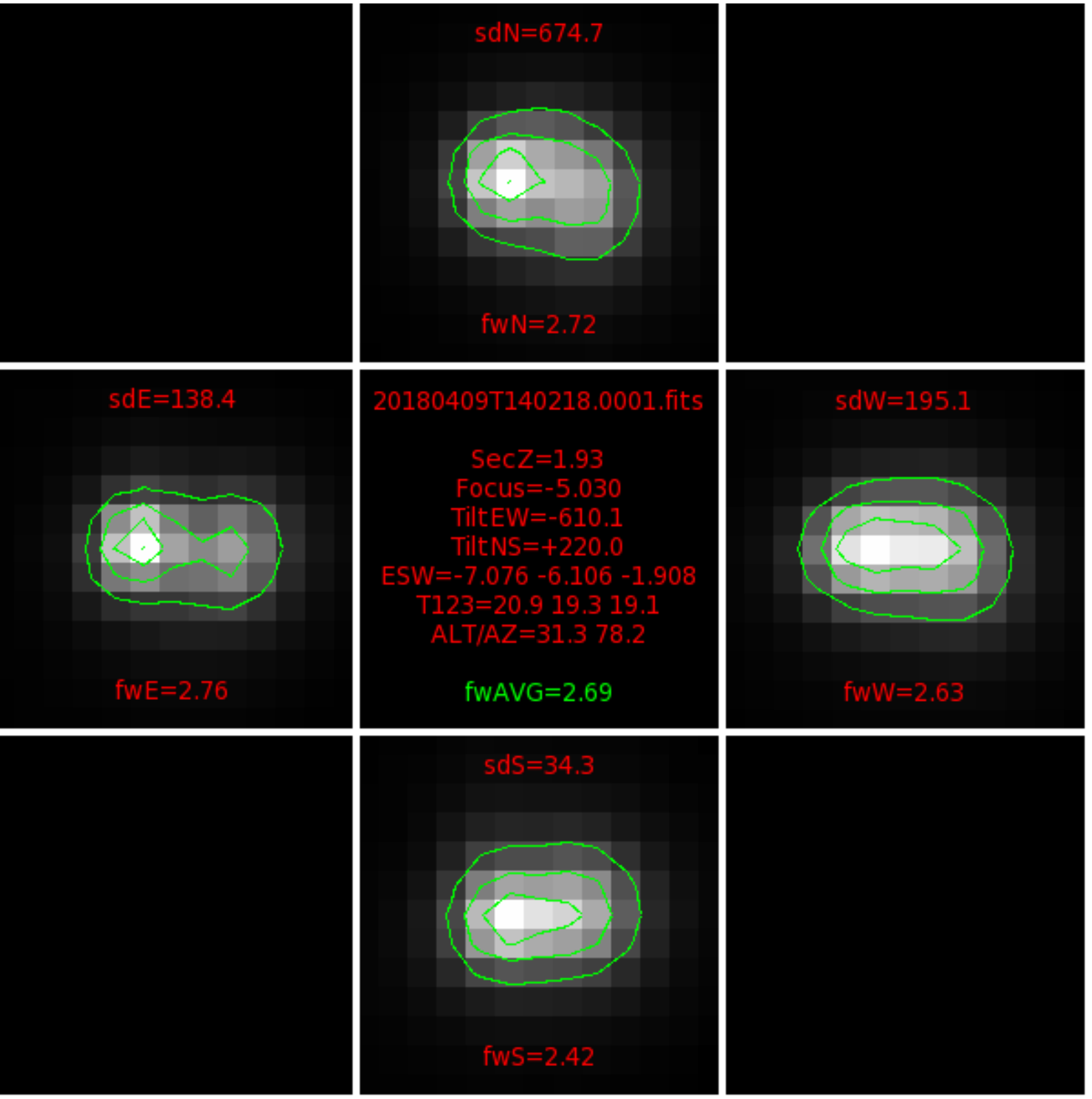
sdN=674.7
fwN=2.72
sdE=138.4
fwE=2.76
20180409T140218.0001.fits
SecZ=1.93
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.9 19.3 19.1
ALT/AZ=31.3 78.2
fwAVG=2.69
sdW=195.1
fwW=2.63
sdS=34.3
fwS=2.42
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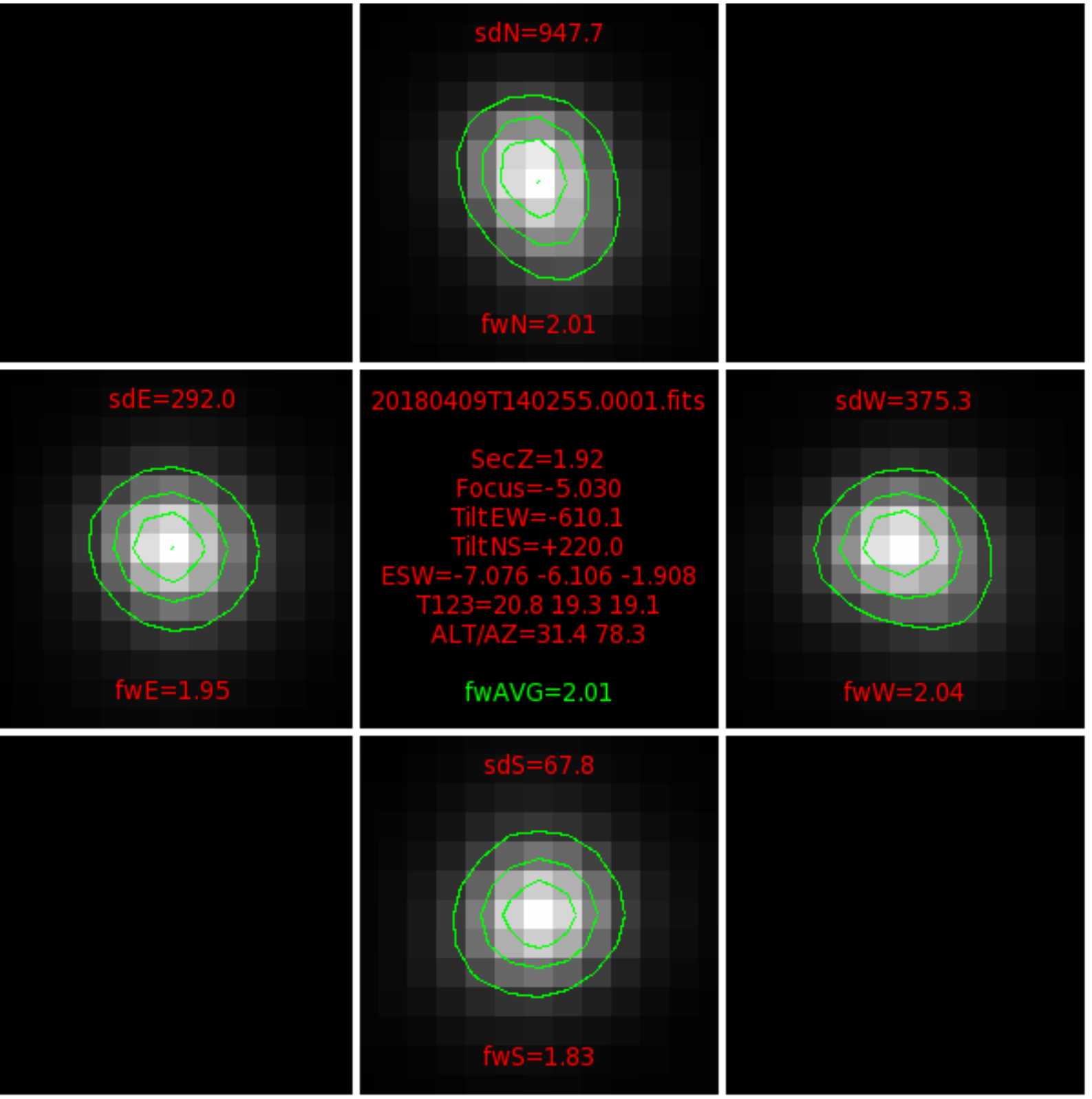
sdN=947.7
fwN=2.01
sdE=292.0
fwE=1.95
20180409T140255.0001.fits
SecZ=1.92
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 19.3 19.1
ALT/AZ=31.4 78.3
fwAVG=2.01
sdW=375.3
fwW=2.04
sdS=67.8
fwS=1.83
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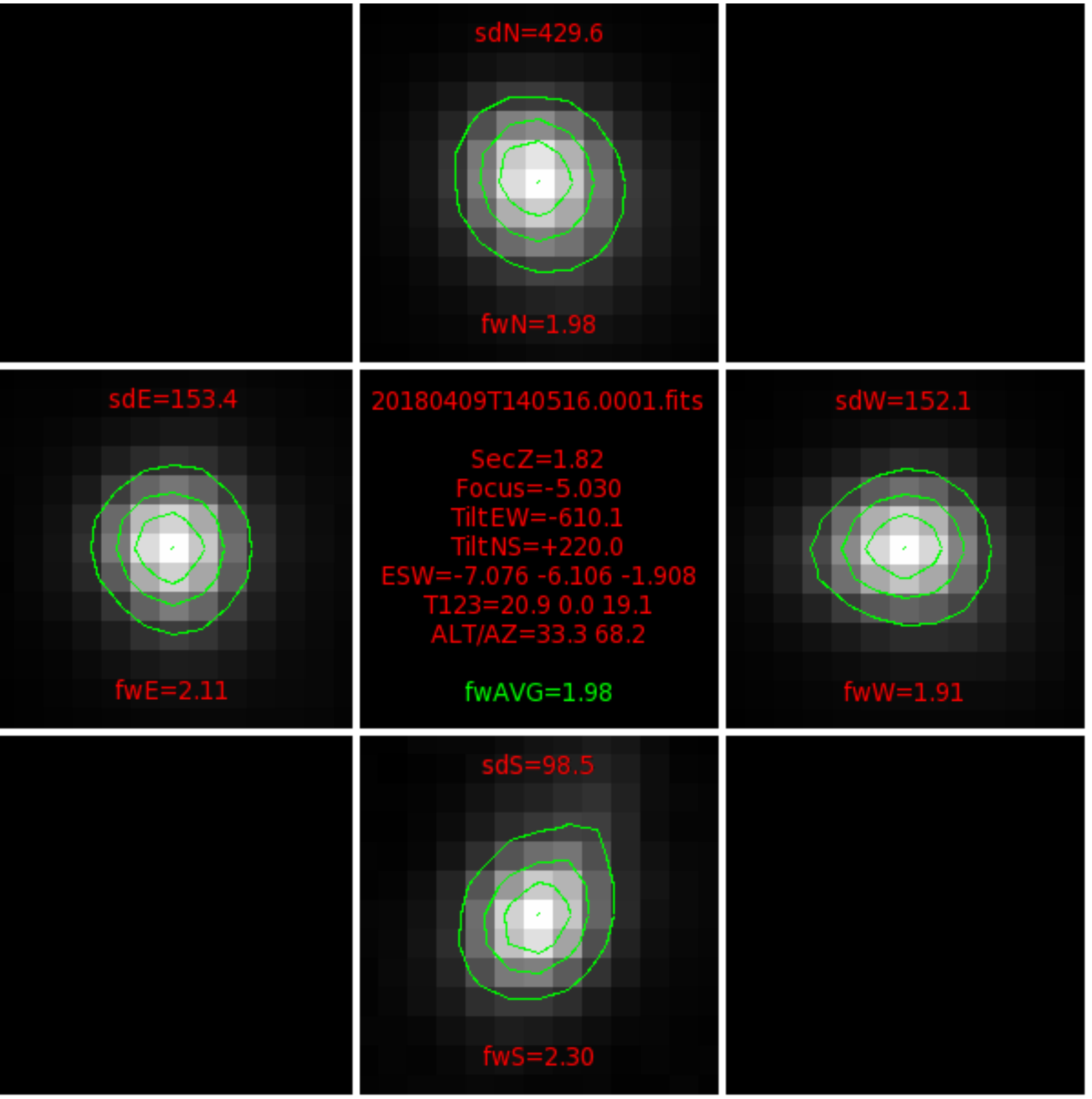
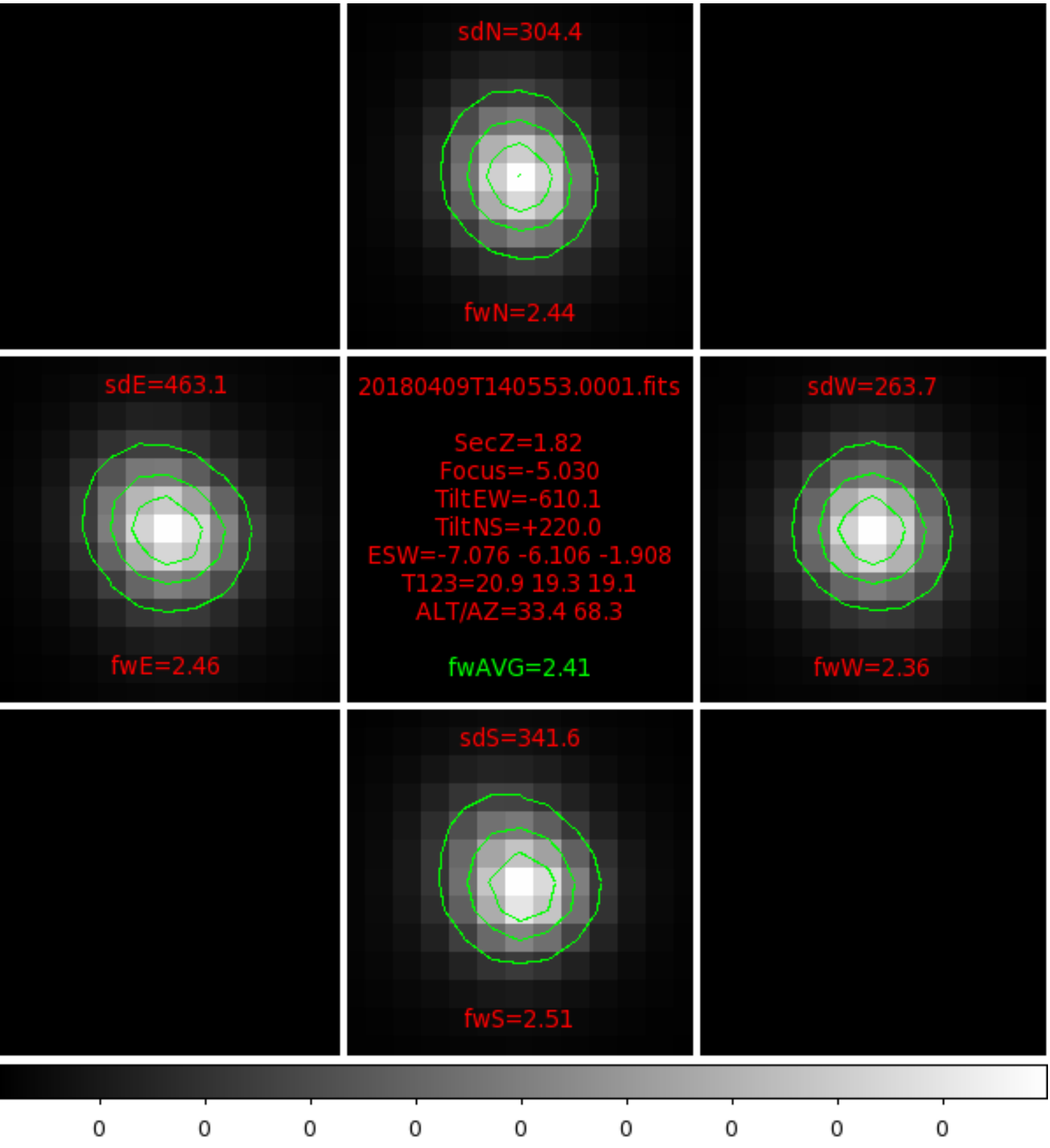

sdN=429.6
fwN=1.98
sdE=153.4
fwE=2.11
20180409T140516.0001.fits
SecZ=1.82
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.9 0.0 19.1
ALT/AZ=33.3 68.2
fwAVG=1.98
sdW=152.1
fwW=1.91
sdS=98.5
fwS=2.30
0 0 0 0 0 0 0 0 0


sdN=304.4
fwN=2.44
sdE=463.1
fwE=2.46
20180409T140553.0001.fits
SecZ=1.82
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.9 19.3 19.1
ALT/AZ=33.4 68.3
fwAVG=2.41
sdW=263.7
fwW=2.36
sdS=341.6
fwS=2.51
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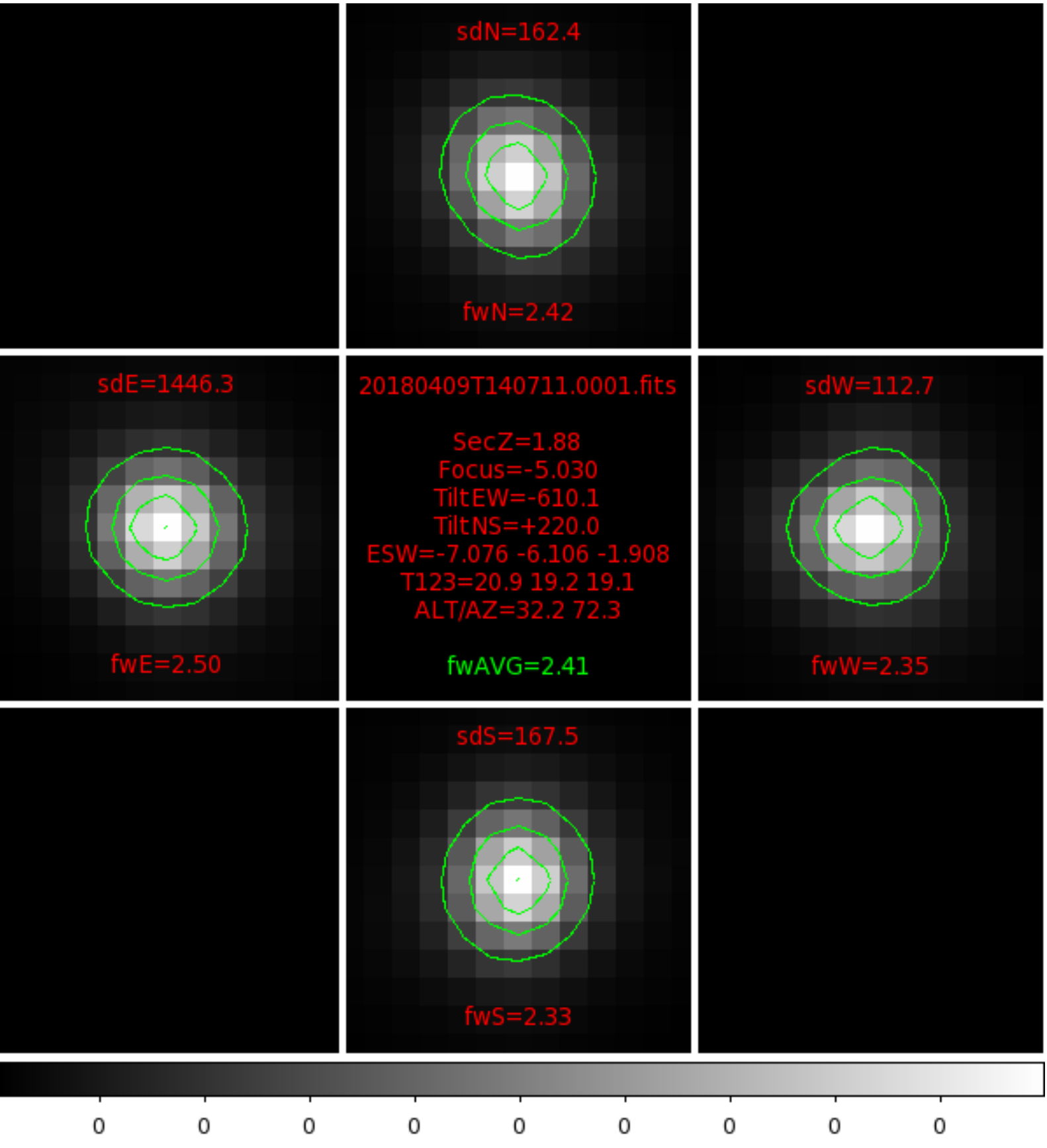
sdN=162.4
fwN=2.42
sdE=1446.3
fwE=2.50
20180409T140711.0001.fits
SecZ=1.88
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.9 19.2 19.1
ALT/AZ=32.2 72.3
fwAVG=2.41
sdW=112.7
fwW=2.35
sdS=167.5
fwS=2.33
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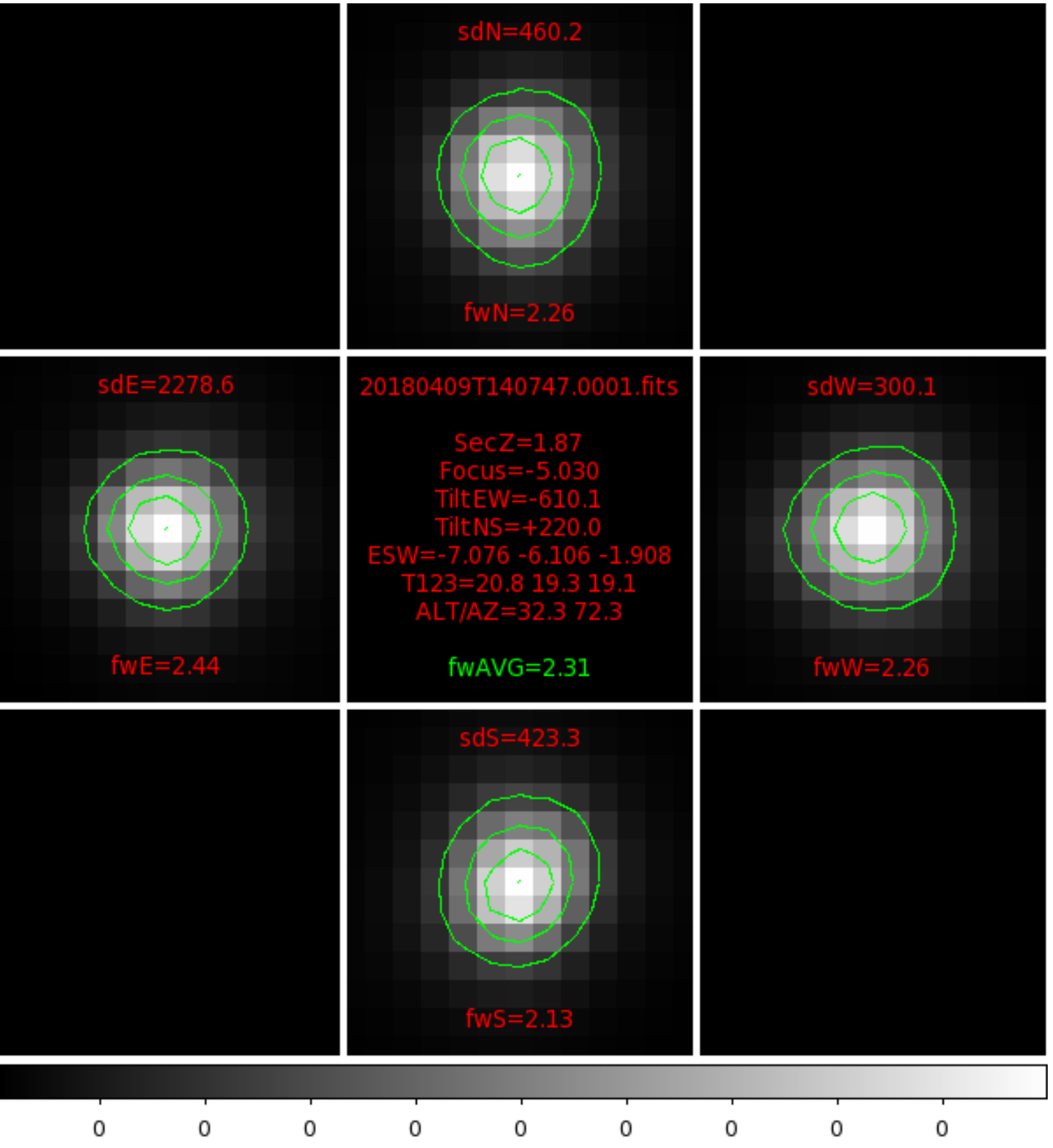
sdN=460.2
fwN=2.26
sdE=2278.6
fwE=2.44
20180409T140747.0001.fits
SecZ=1.87
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 19.3 19.1
ALT/AZ=32.3 72.3
fwAVG=2.31
sdW=300.1
fwW=2.26
sdS=423.3
fwS=2.13
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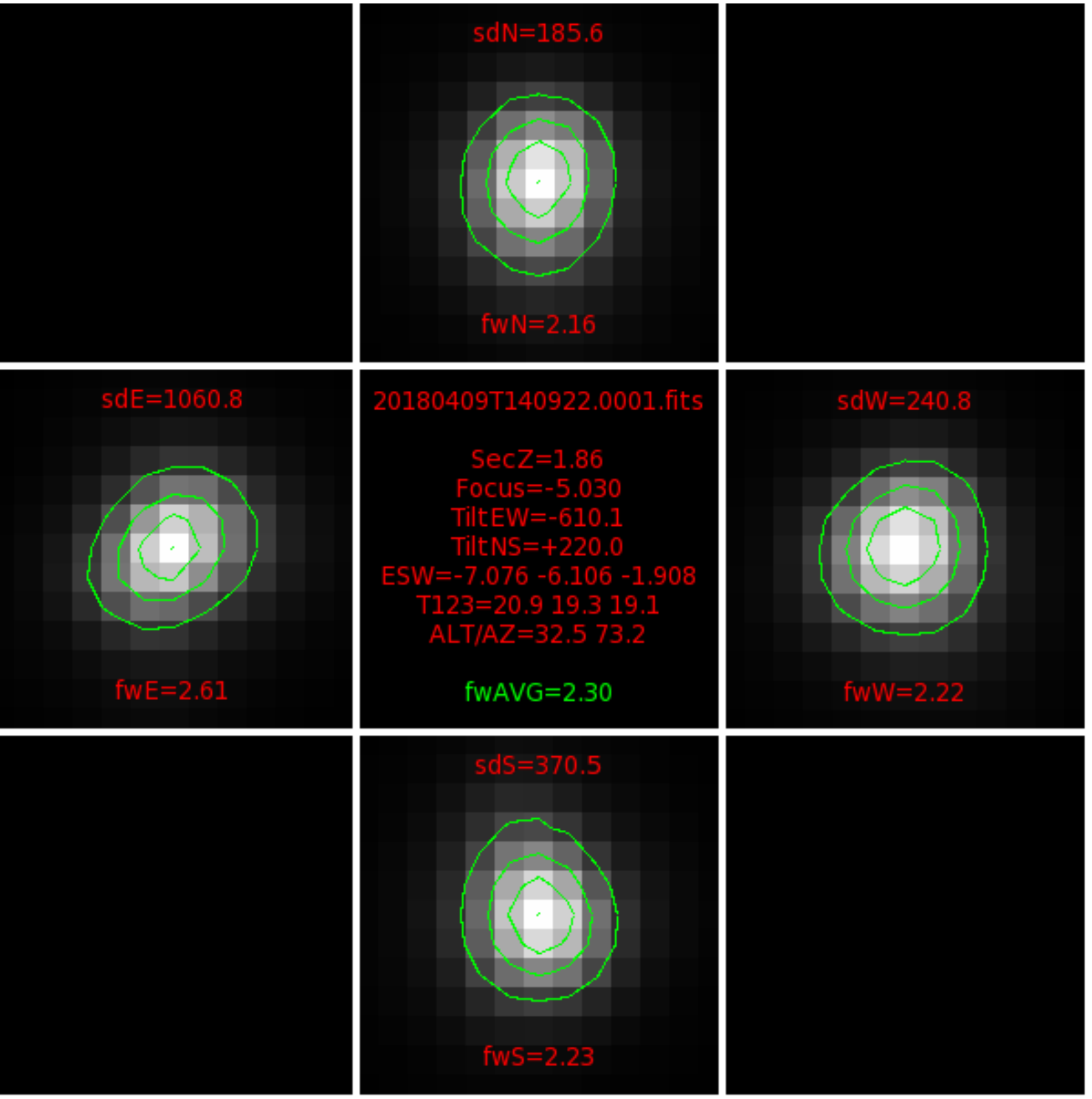
sdN=185.6
fwN=2.16
sdE=1060.8
fwE=2.61
20180409T140922.0001.fits
SecZ=1.86
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.9 19.3 19.1
ALT/AZ=32.5 73.2
fwAVG=2.30
sdW=240.8
fwW=2.22
sdS=370.5
fwS=2.23
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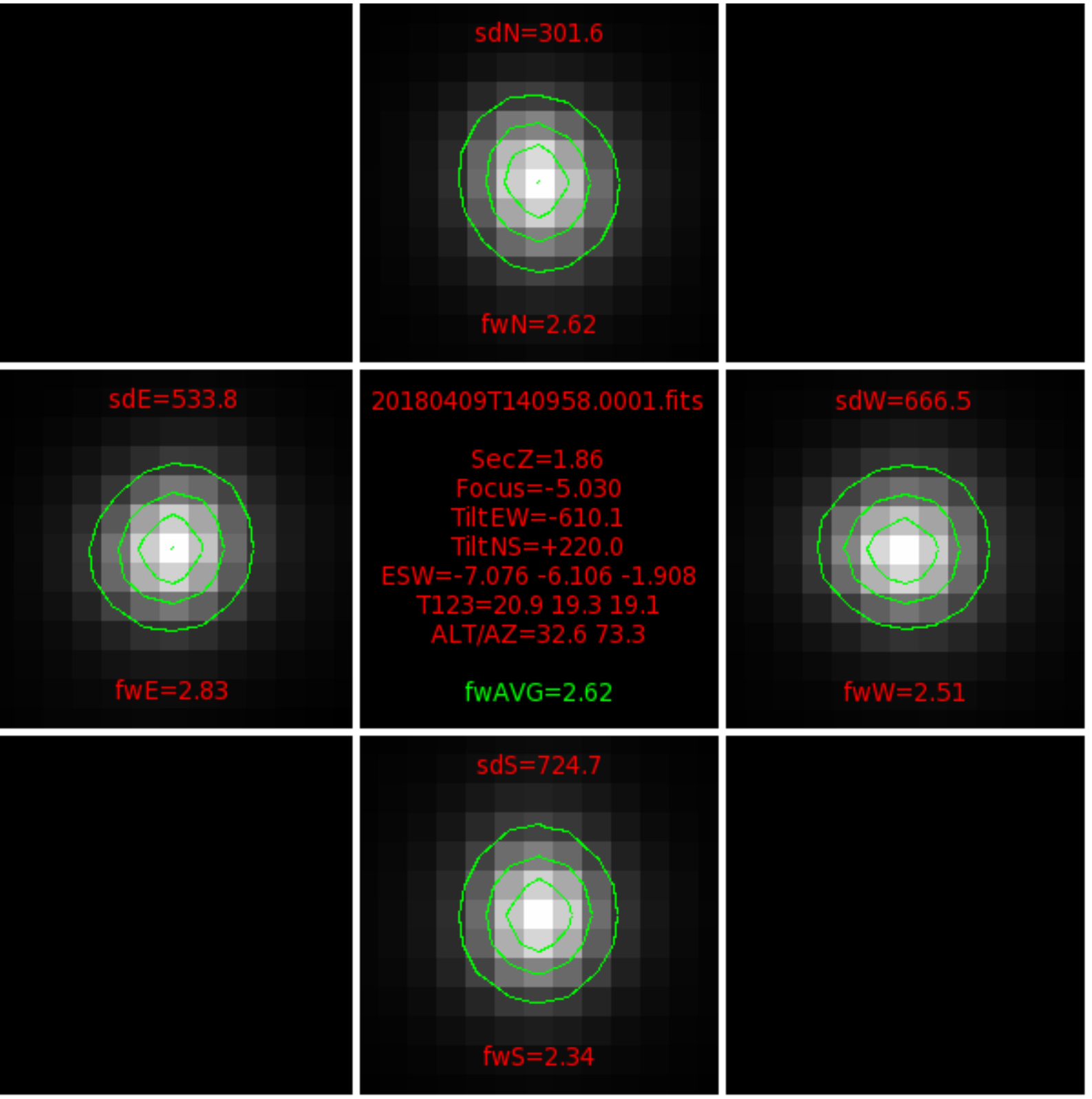
sdN=301.6
fwN=2.62
sdE=533.8
fwE=2.83
20180409T140958.0001.fits
SecZ=1.86
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.9 19.3 19.1
ALT/AZ=32.6 73.3
fwAVG=2.62
sdW=666.5
fwW=2.51
sdS=724.7
fwS=2.34
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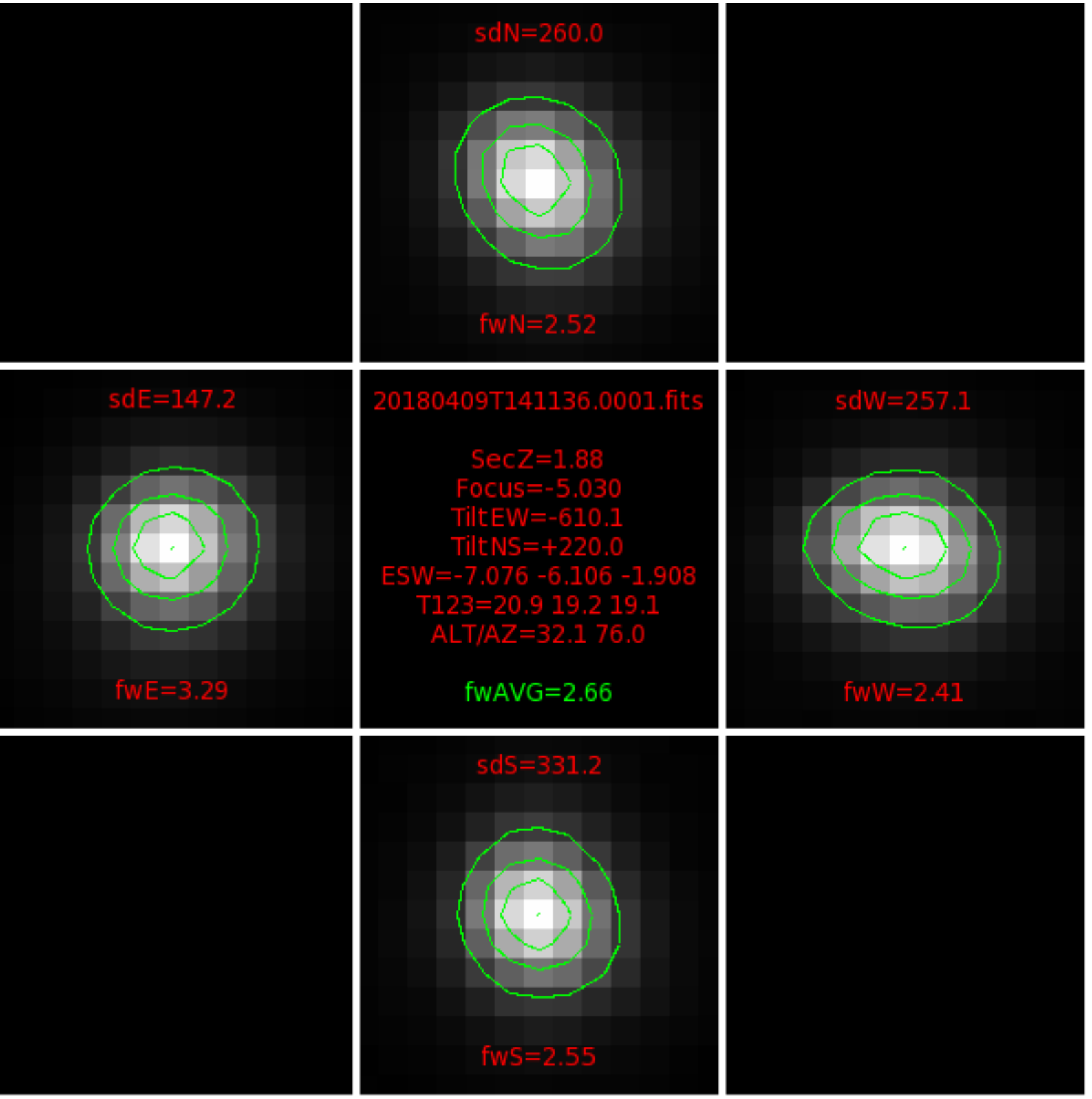
sdN=260.0
fwN=2.52
sdE=147.2
fwE=3.29
20180409T141136.0001.fits
SecZ=1.88
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.9 19.2 19.1
ALT/AZ=32.1 76.0
fwAVG=2.66
sdW=257.1
fwW=2.41
sdS=331.2
fwS=2.55
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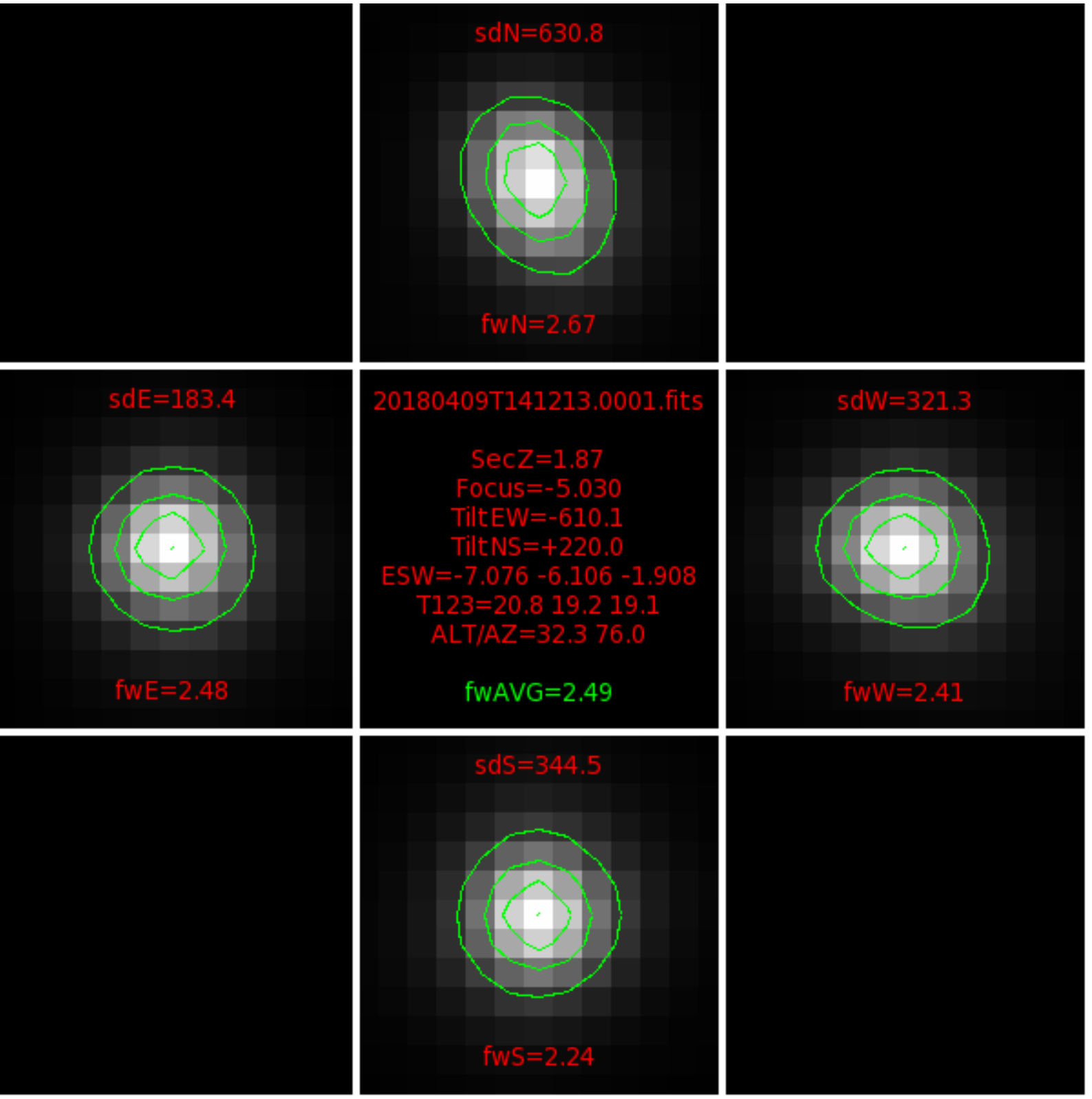
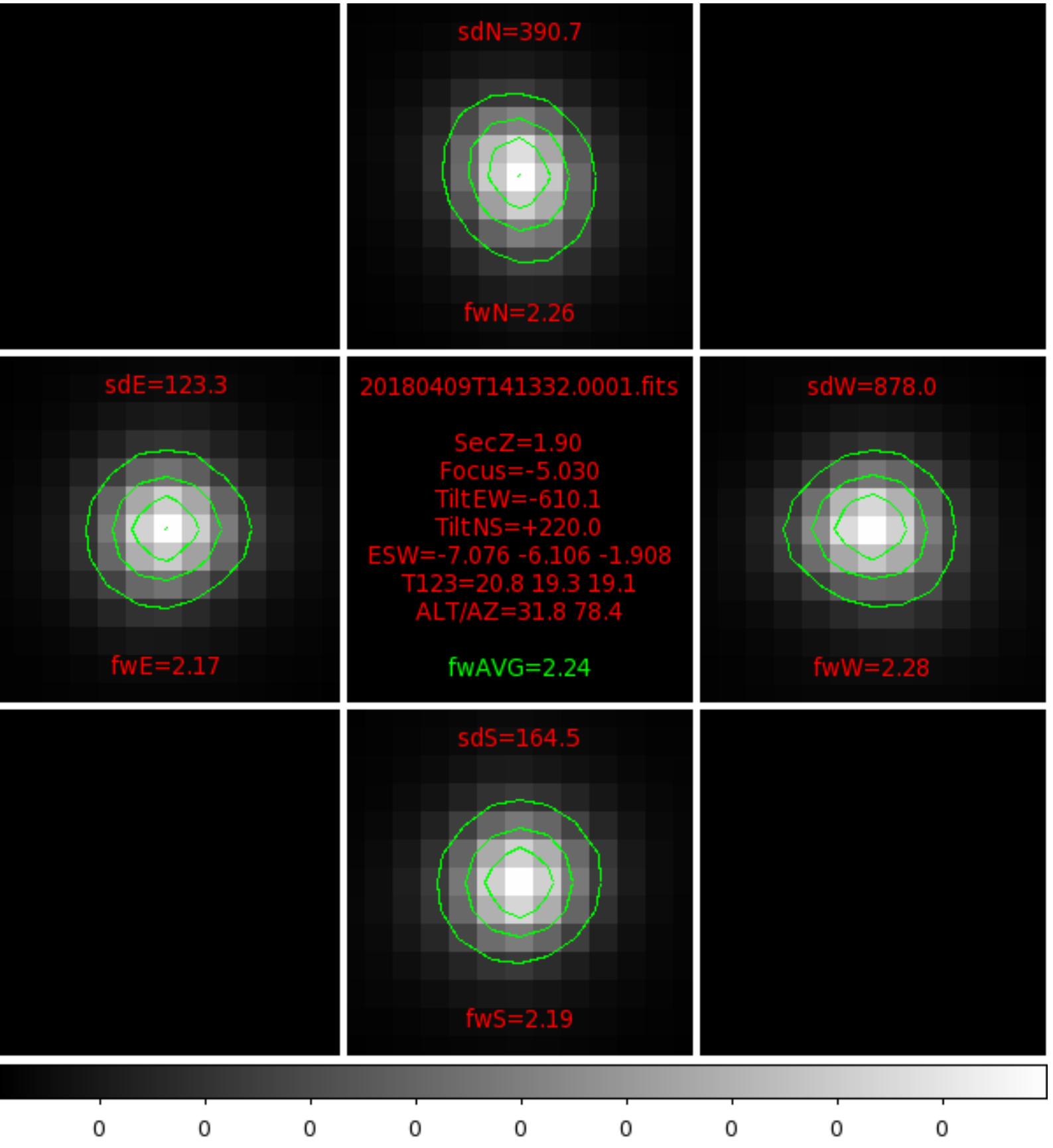

sdN=630.8
fwN=2.67
sdE=183.4
fwE=2.48
20180409T141213.0001.fits
SecZ=1.87
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 19.2 19.1
ALT/AZ=32.3 76.0
fwAVG=2.49
sdW=321.3
fwW=2.41
sdS=344.5
fwS=2.24
0 0 0 0 0 0 0 0 0


sdN=390.7
fwN=2.26
sdE=123.3
fwE=2.17
20180409T141332.0001.fits
SecZ=1.90
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 19.3 19.1
ALT/AZ=31.8 78.4
fwAVG=2.24
sdW=878.0
fwW=2.28
sdS=164.5
fwS=2.19
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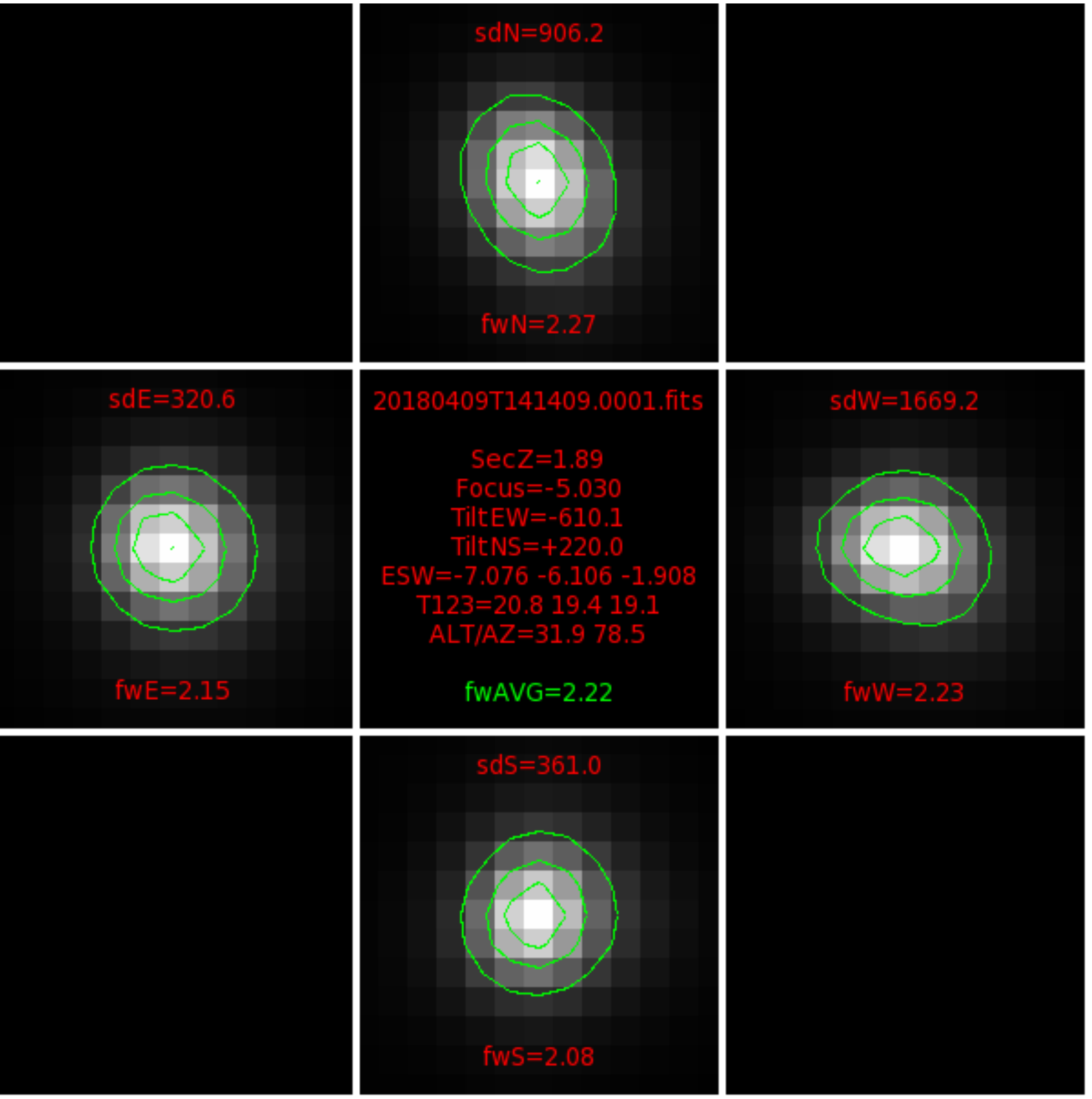
sdN=906.2
fwN=2.27
sdE=320.6
fwE=2.15
20180409T141409.0001.fits
SecZ=1.89
Focus=-5.030
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.076 -6.106 -1.908
T123=20.8 19.4 19.1
ALT/AZ=31.9 78.5
fwAVG=2.22
sdW=1669.2
fwW=2.23
sdS=361.0
fwS=2.08
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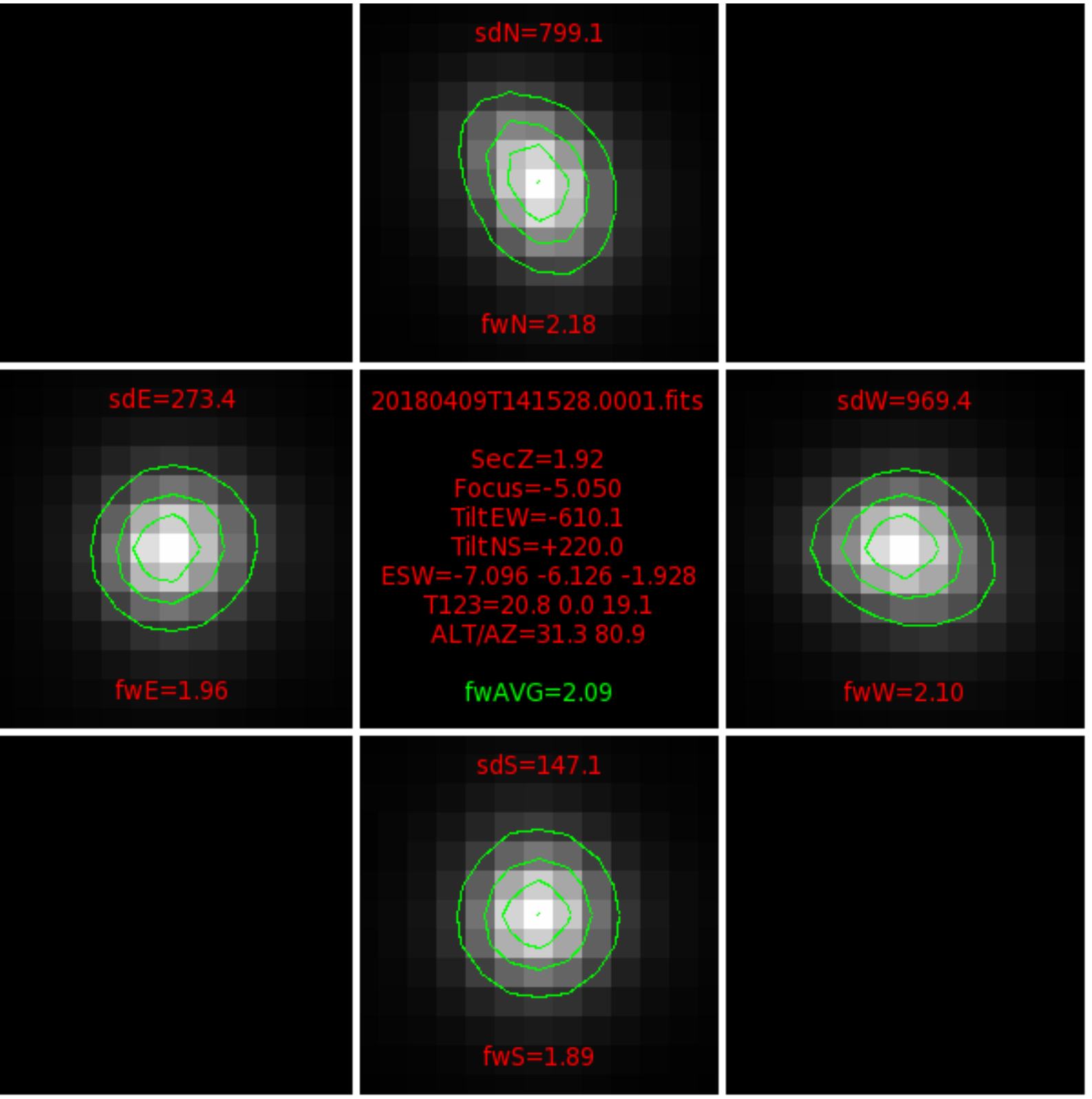
sdN=799.1
fwN=2.18
sdE=273.4
fwE=1.96
20180409T141528.0001.fits
SecZ=1.92
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.8 0.0 19.1
ALT/AZ=31.3 80.9
fwAVG=2.09
sdW=969.4
fwW=2.10
sdS=147.1
fwS=1.89
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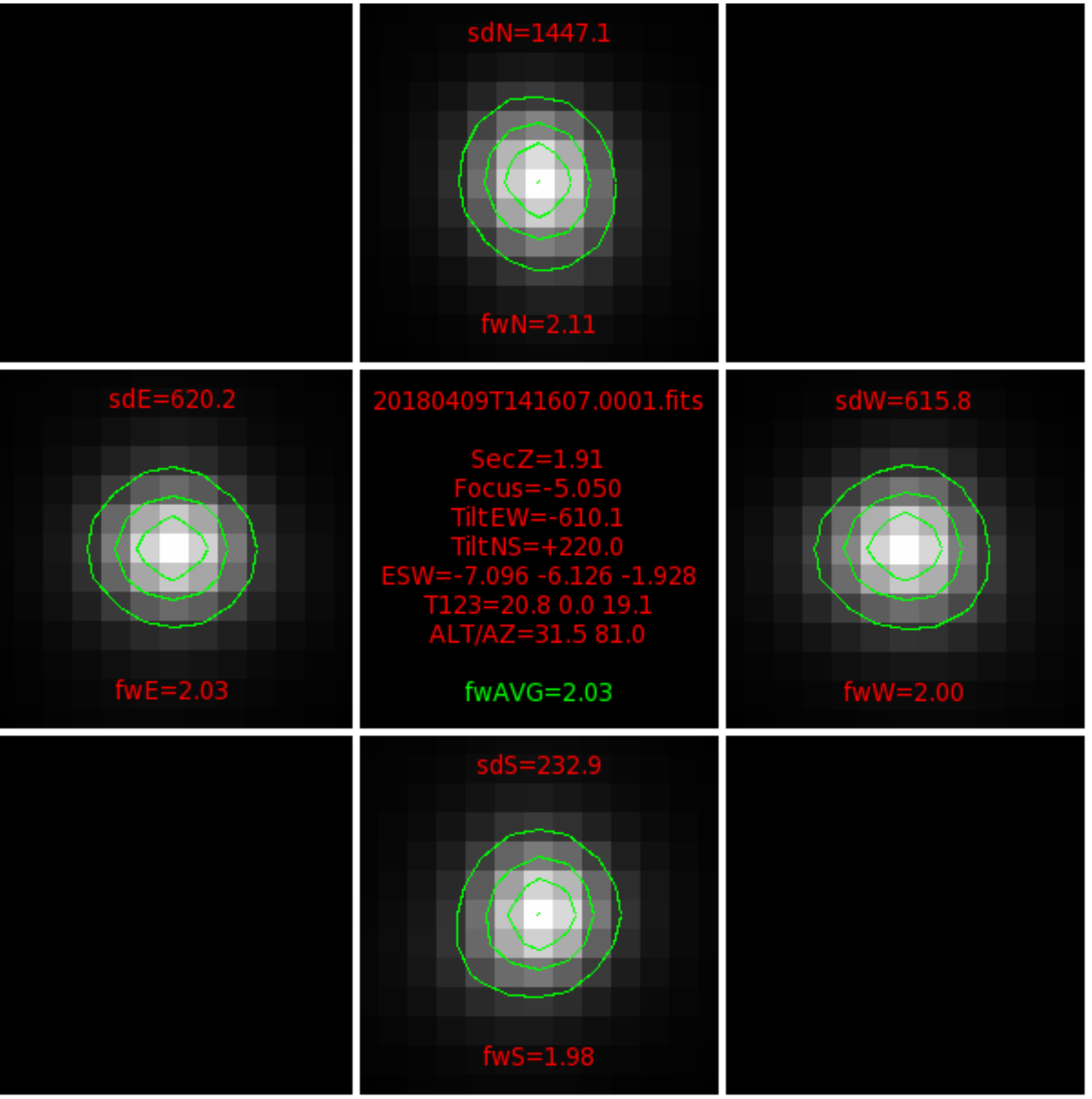
sdN=1447.1
fwN=2.11
sdE=620.2
fwE=2.03
20180409T141607.0001.fits
SecZ=1.91
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.8 0.0 19.1
ALT/AZ=31.5 81.0
fwAVG=2.03
sdW=615.8
fwW=2.00
sdS=232.9
fwS=1.98
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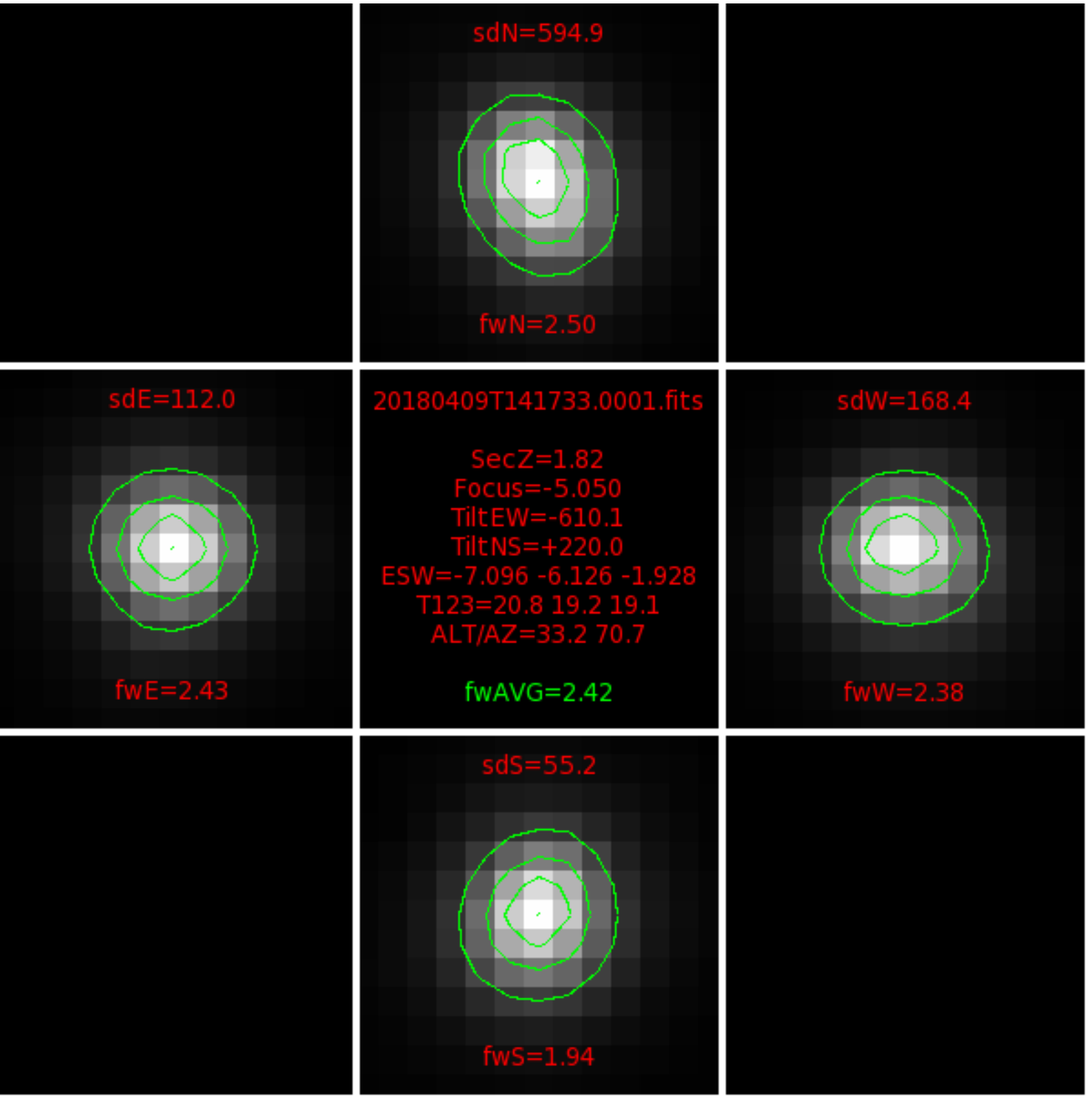
sdN=594.9
fwN=2.50
sdE=112.0
fwE=2.43
20180409T141733.0001.fits
SecZ=1.82
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.8 19.2 19.1
ALT/AZ=33.2 70.7
fwAVG=2.42
sdW=168.4
fwW=2.38
sdS=55.2
fwS=1.94
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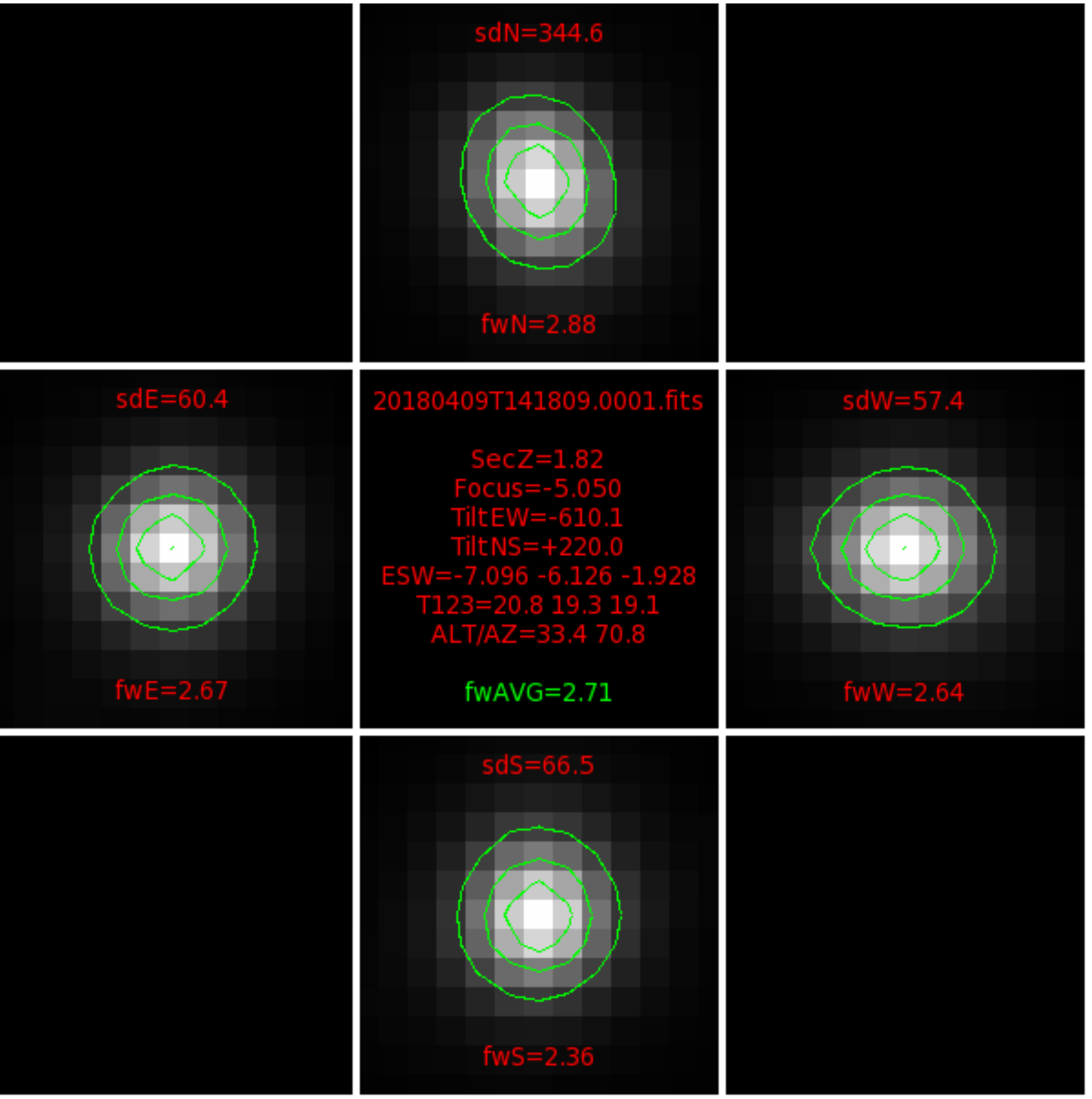
sdN=344.6
fwN=2.88
sdE=60.4
fwE=2.67
20180409T141809.0001.fits
SecZ=1.82
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.8 19.3 19.1
ALT/AZ=33.4 70.8
fwAVG=2.71
sdW=57.4
fwW=2.64
sdS=66.5
fwS=2.36
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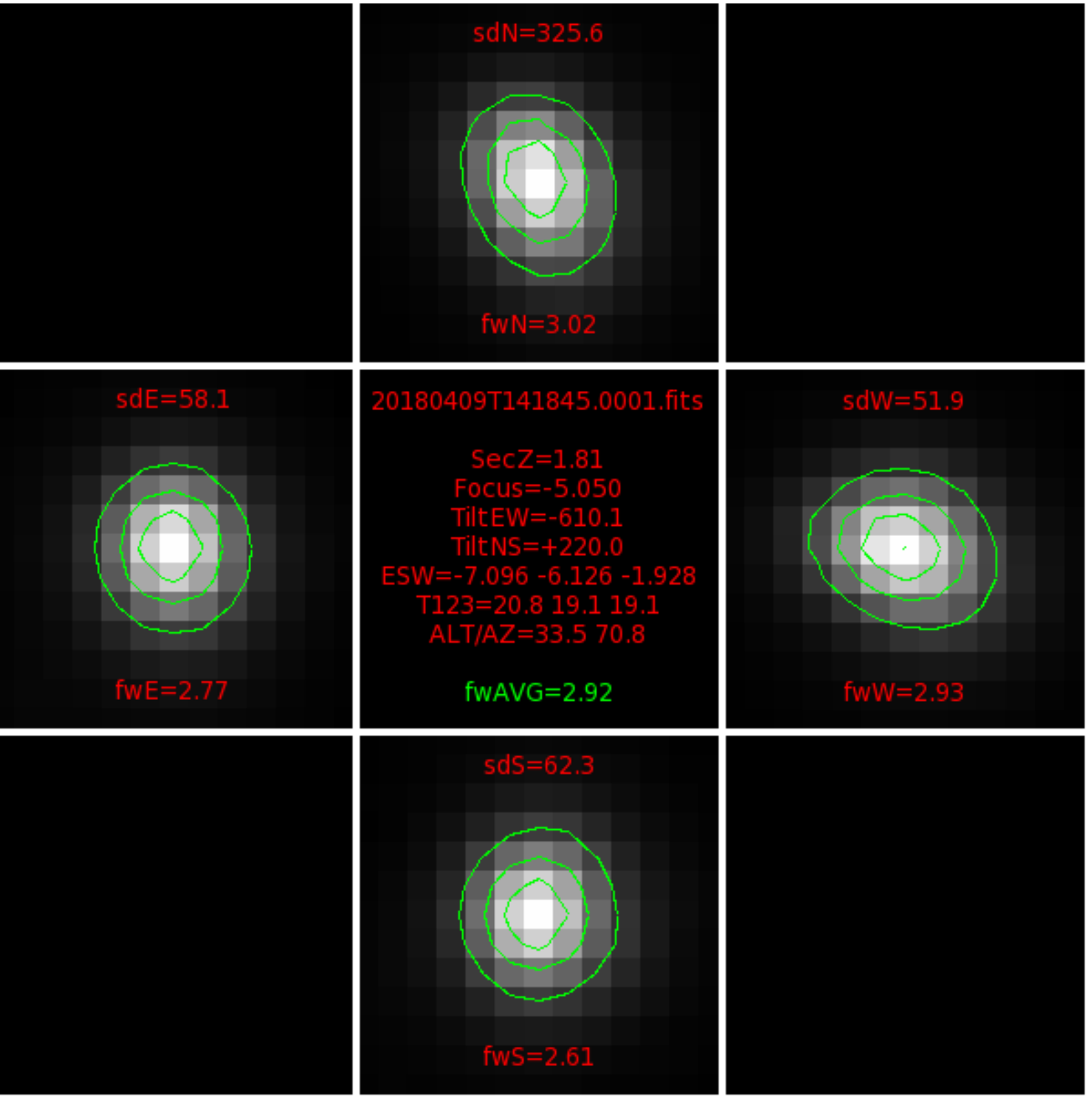
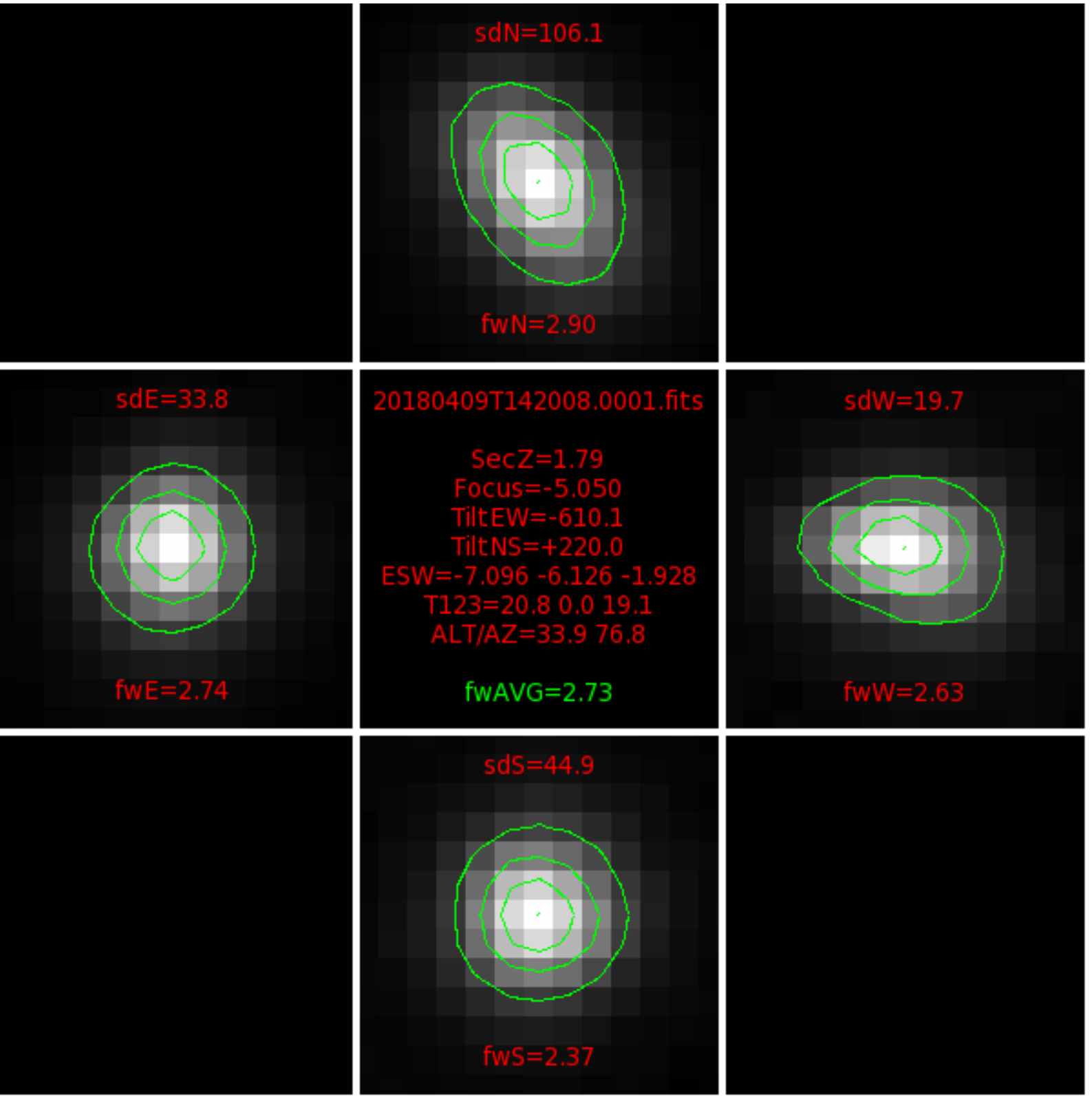
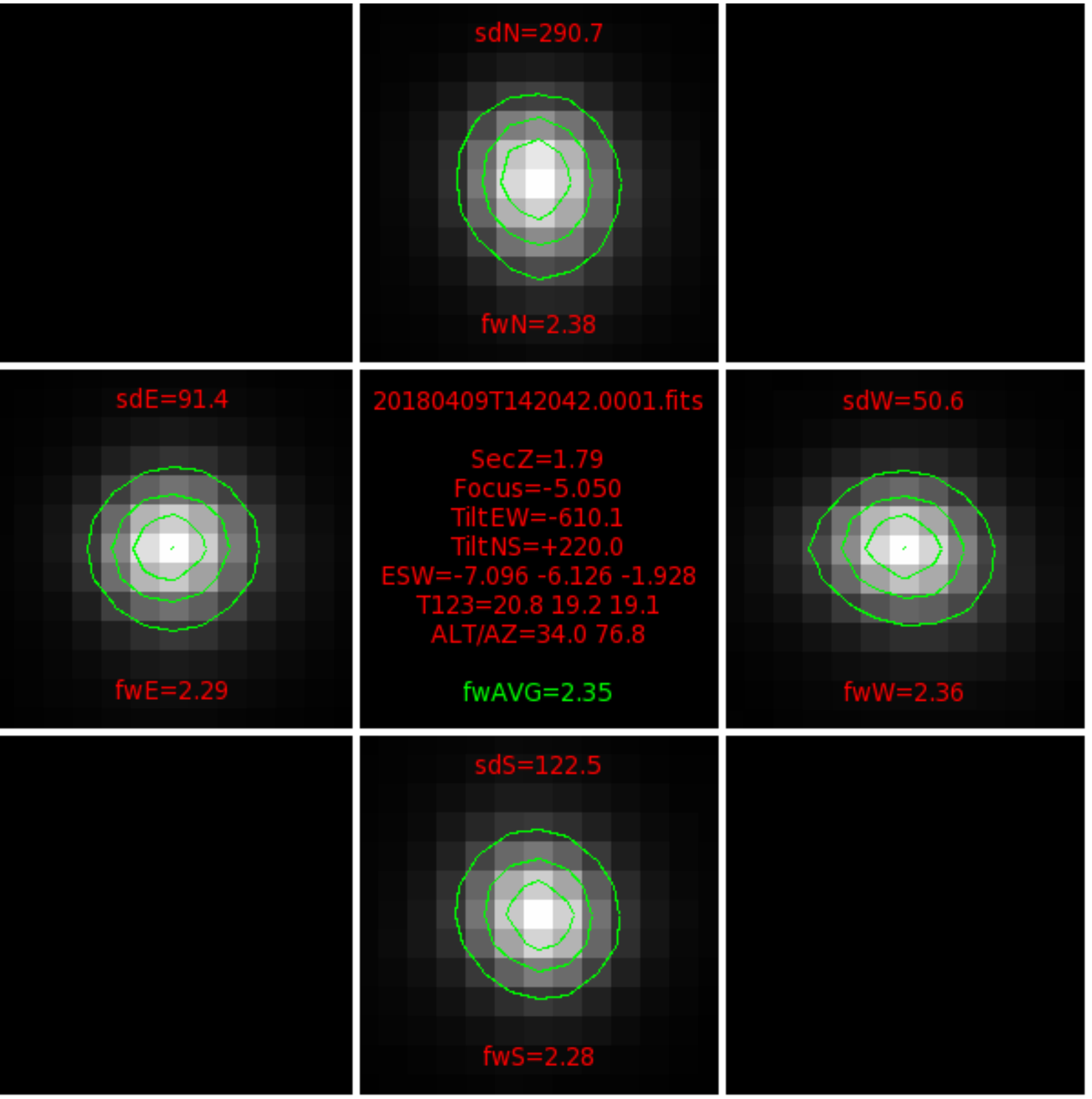

sdN=325.6
fwN=3.02
sdE=58.1
fwE=2.77
20180409T141845.0001.fits
SecZ=1.81
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.8 19.1 19.1
ALT/AZ=33.5 70.8
fwAVG=2.92
sdW=51.9
fwW=2.93
sdS=62.3
fwS=2.61
0 0 0 0 0 0 0 0 0


sdN=106.1
fwN=2.90
sdE=33.8
fwE=2.74
20180409T142008.0001.fits
SecZ=1.79
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.8 0.0 19.1
ALT/AZ=33.9 76.8
fwAVG=2.73
sdW=19.7
fwW=2.63
sdS=44.9
fwS=2.37
0 0 0 0 0 0 0 0 0


sdN=290.7
fwN=2.38
sdE=91.4
fwE=2.29
20180409T142042.0001.fits
SecZ=1.79
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.8 19.2 19.1
ALT/AZ=34.0 76.8
fwAVG=2.35
sdW=50.6
fwW=2.36
sdS=122.5
fwS=2.28
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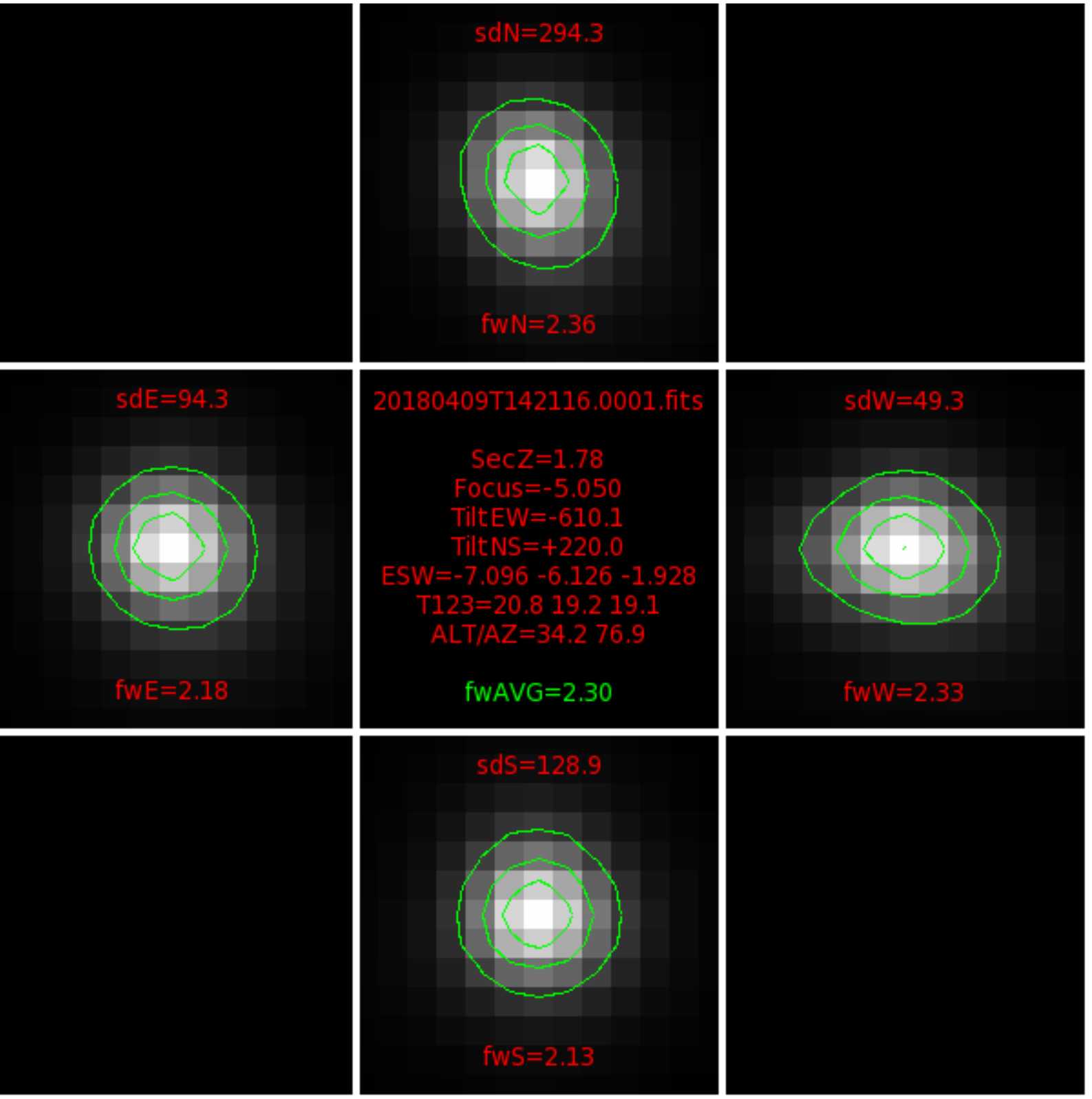
sdN=294.3
fwN=2.36
sdE=94.3
fwE=2.18
20180409T142116.0001.fits
SecZ=1.78
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.8 19.2 19.1
ALT/AZ=34.2 76.9
fwAVG=2.30
sdW=49.3
fwW=2.33
sdS=128.9
fwS=2.13
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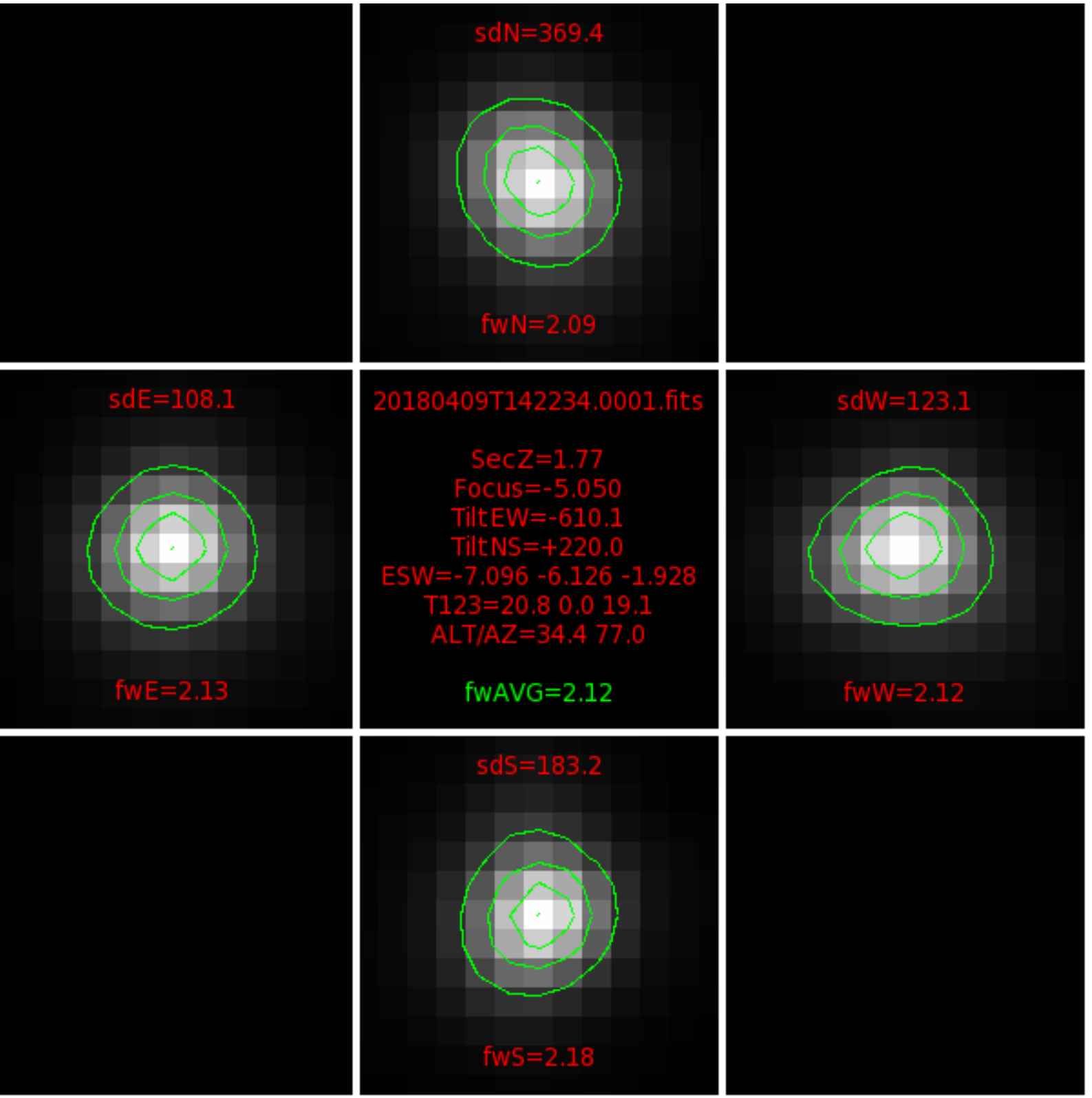
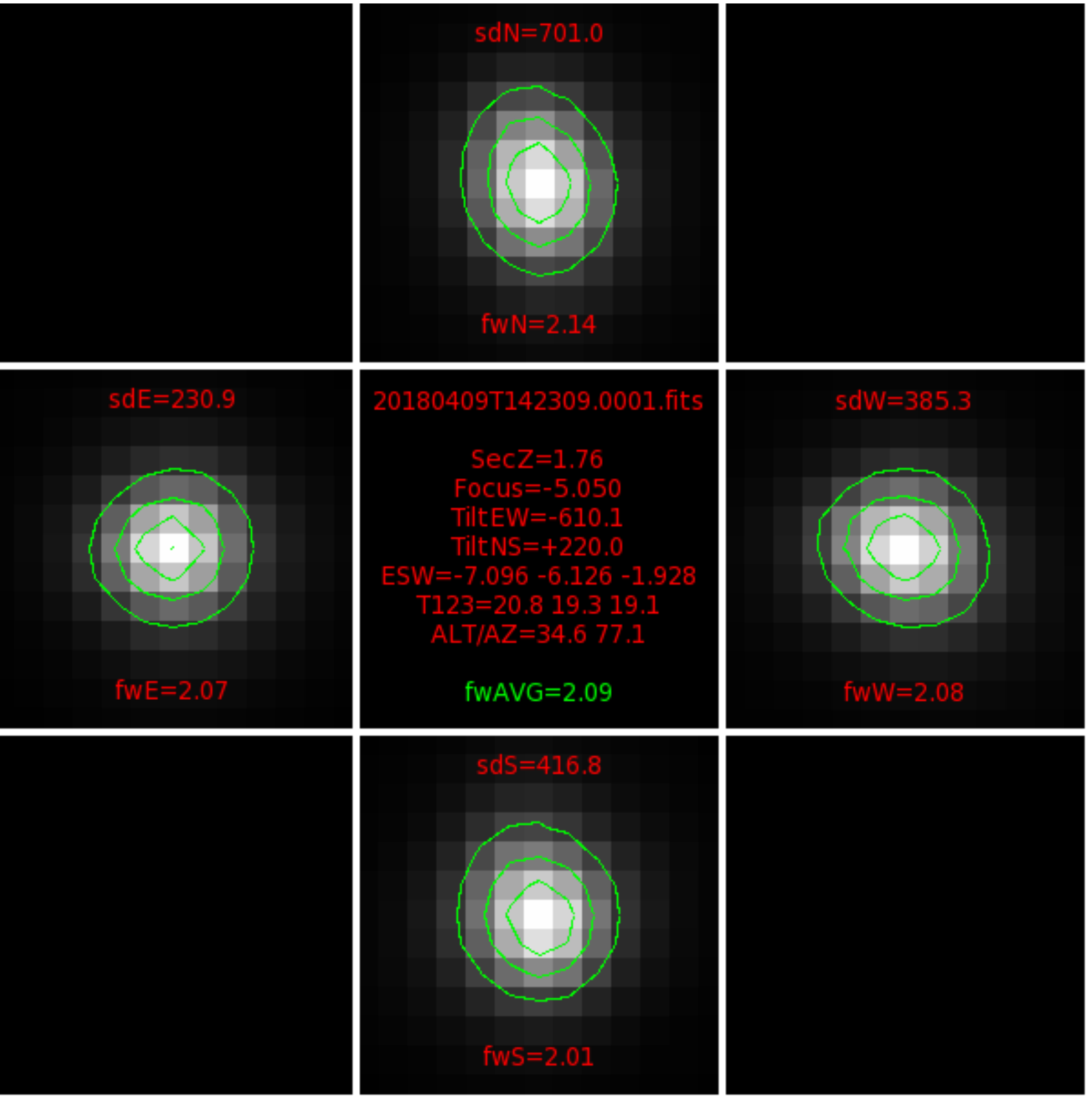

sdN=369.4
fwN=2.09
sdE=108.1
fwE=2.13
20180409T142234.0001.fits
SecZ=1.77
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.8 0.0 19.1
ALT/AZ=34.4 77.0
fwAVG=2.12
sdW=123.1
fwW=2.12
sdS=183.2
fwS=2.18
0 0 0 0 0 0 0 0 0


sdN=701.0
fwN=2.14
sdE=230.9
fwE=2.07
20180409T142309.0001.fits
SecZ=1.76
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.8 19.3 19.1
ALT/AZ=34.6 77.1
fwAVG=2.09
sdW=385.3
fwW=2.08
sdS=416.8
fwS=2.01
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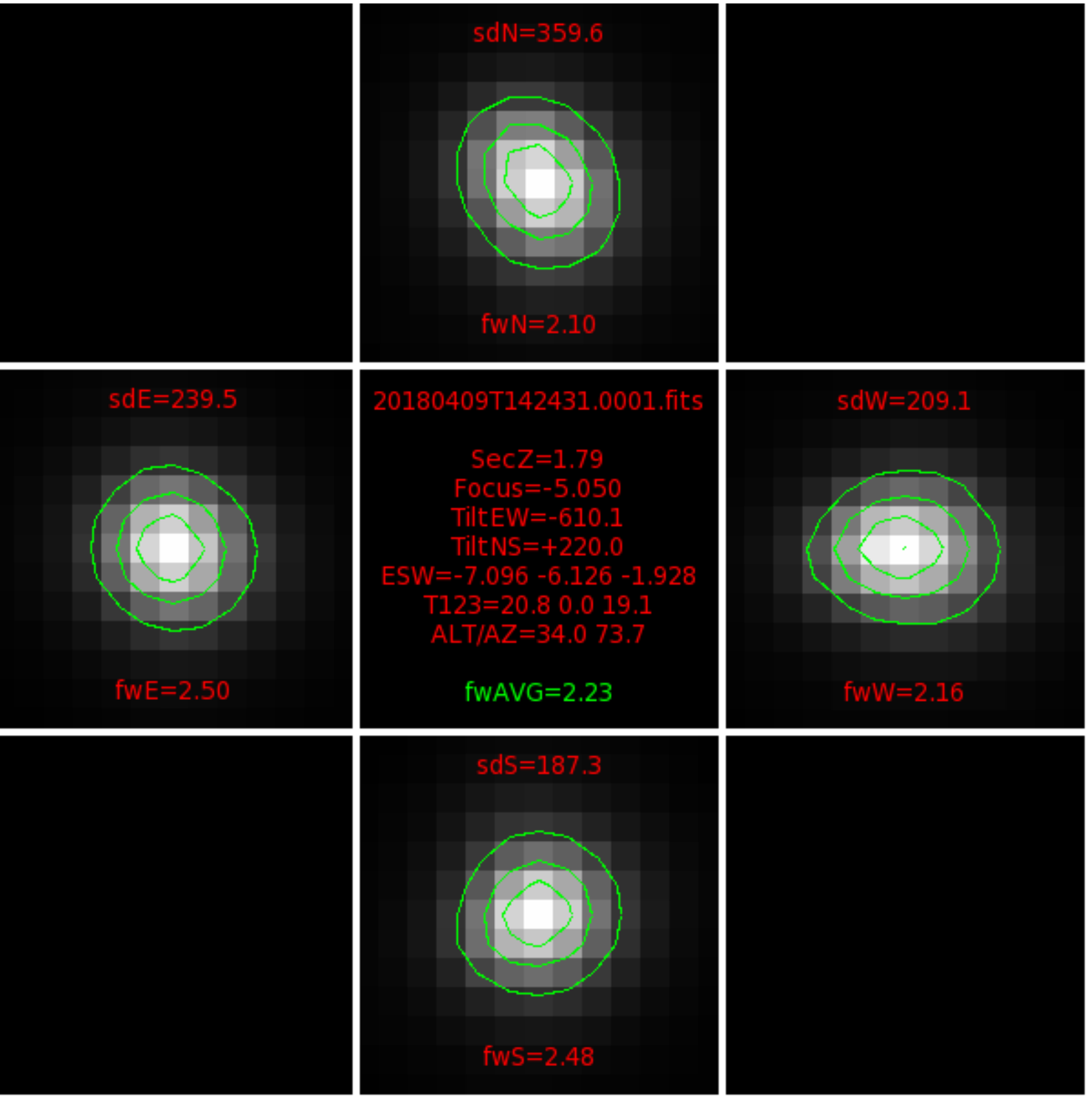
sdN=359.6
fwN=2.10
sdE=239.5
fwE=2.50
20180409T142431.0001.fits
SecZ=1.79
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.8 0.0 19.1
ALT/AZ=34.0 73.7
fwAVG=2.23
sdW=209.1
fwW=2.16
sdS=187.3
fwS=2.48
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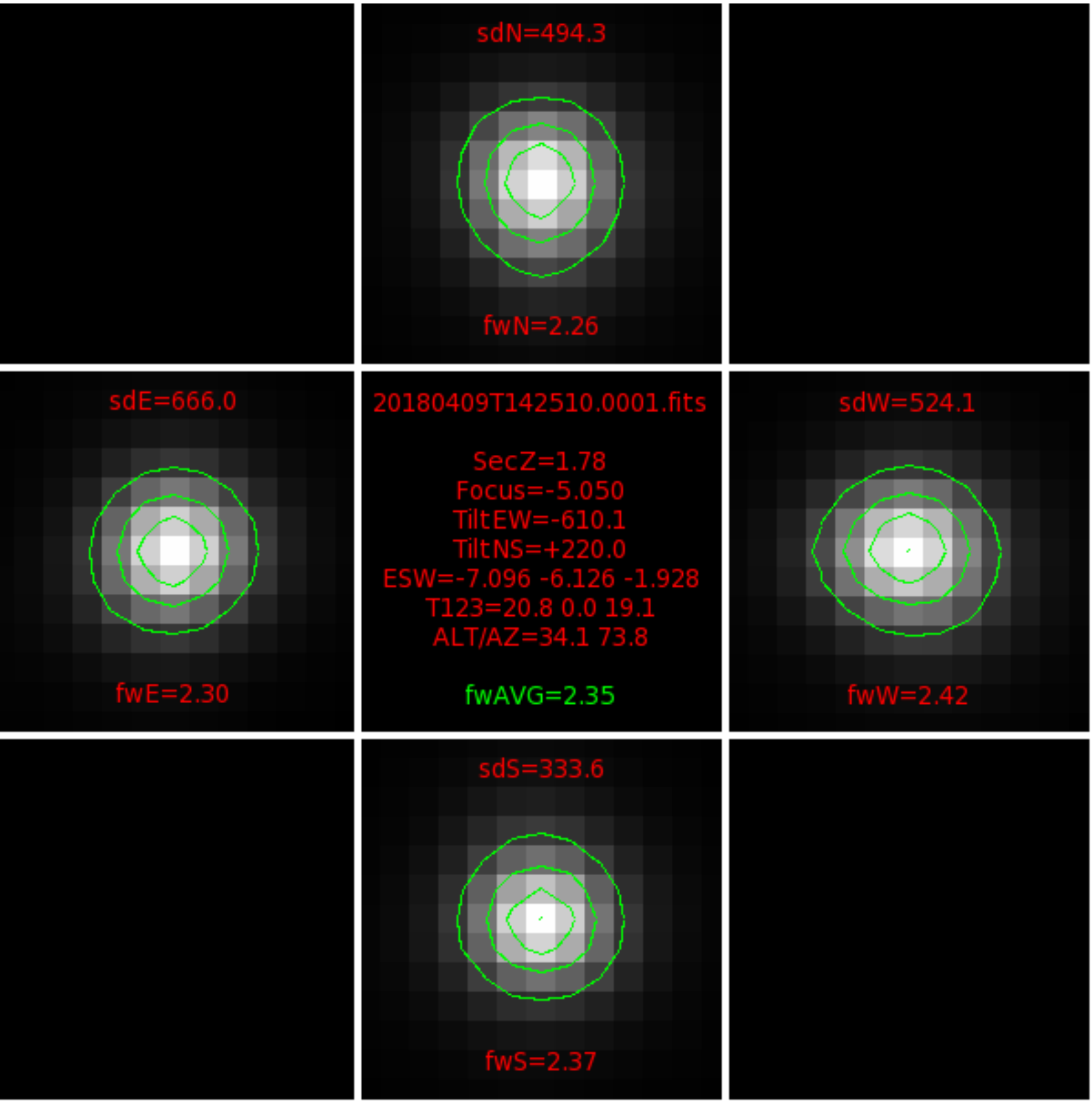
sdN=494.3
fwN=2.26
sdE=666.0
fwE=2.30
20180409T142510.0001.fits
SecZ=1.78
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.8 0.0 19.1
ALT/AZ=34.1 73.8
fwAVG=2.35
sdW=524.1
fwW=2.42
sdS=333.6
fwS=2.37
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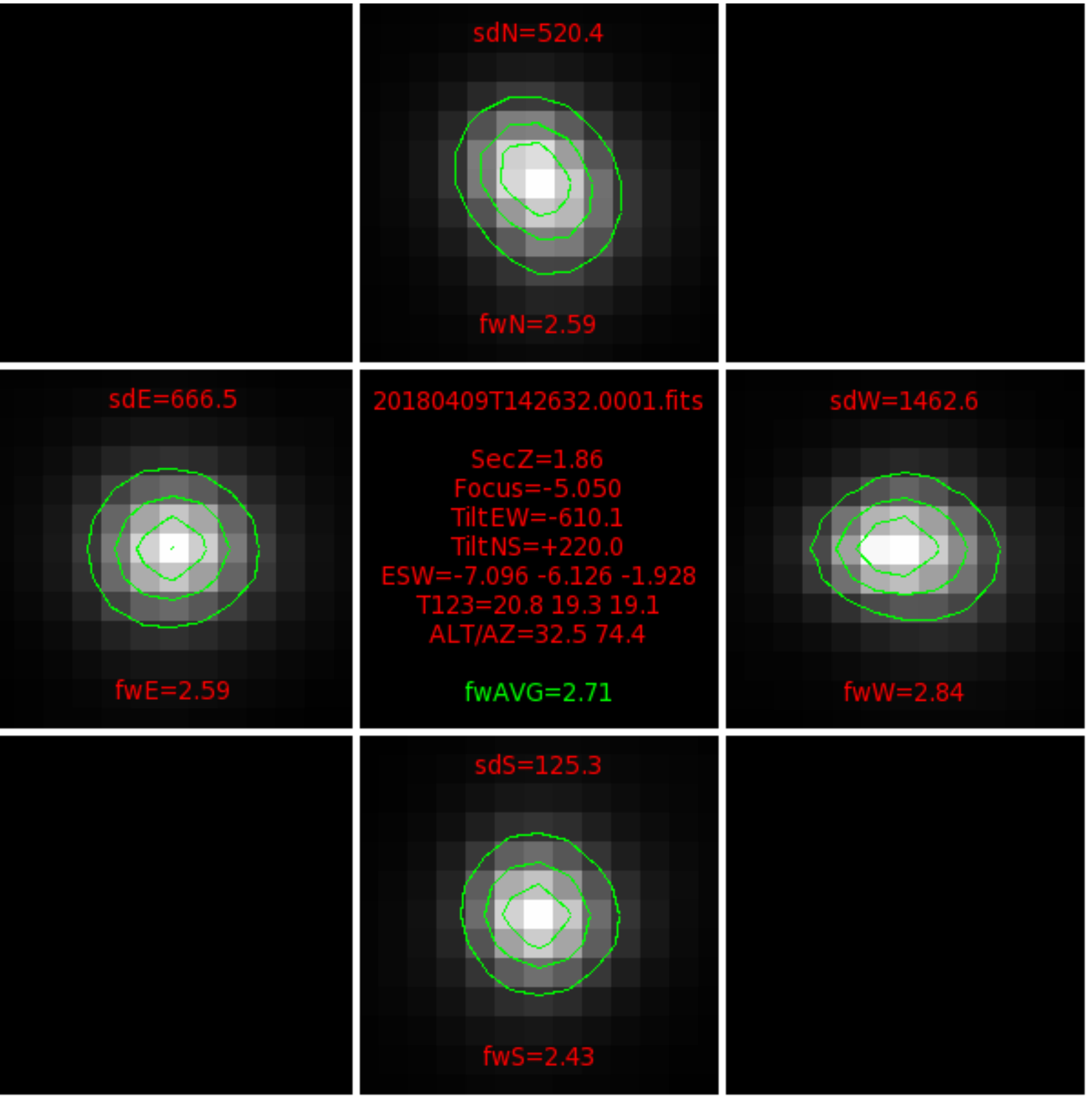
sdN=520.4
fwN=2.59
sdE=666.5
fwE=2.59
20180409T142632.0001.fits
SecZ=1.86
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.8 19.3 19.1
ALT/AZ=32.5 74.4
fwAVG=2.71
sdW=1462.6
fwW=2.84
sdS=125.3
fwS=2.43
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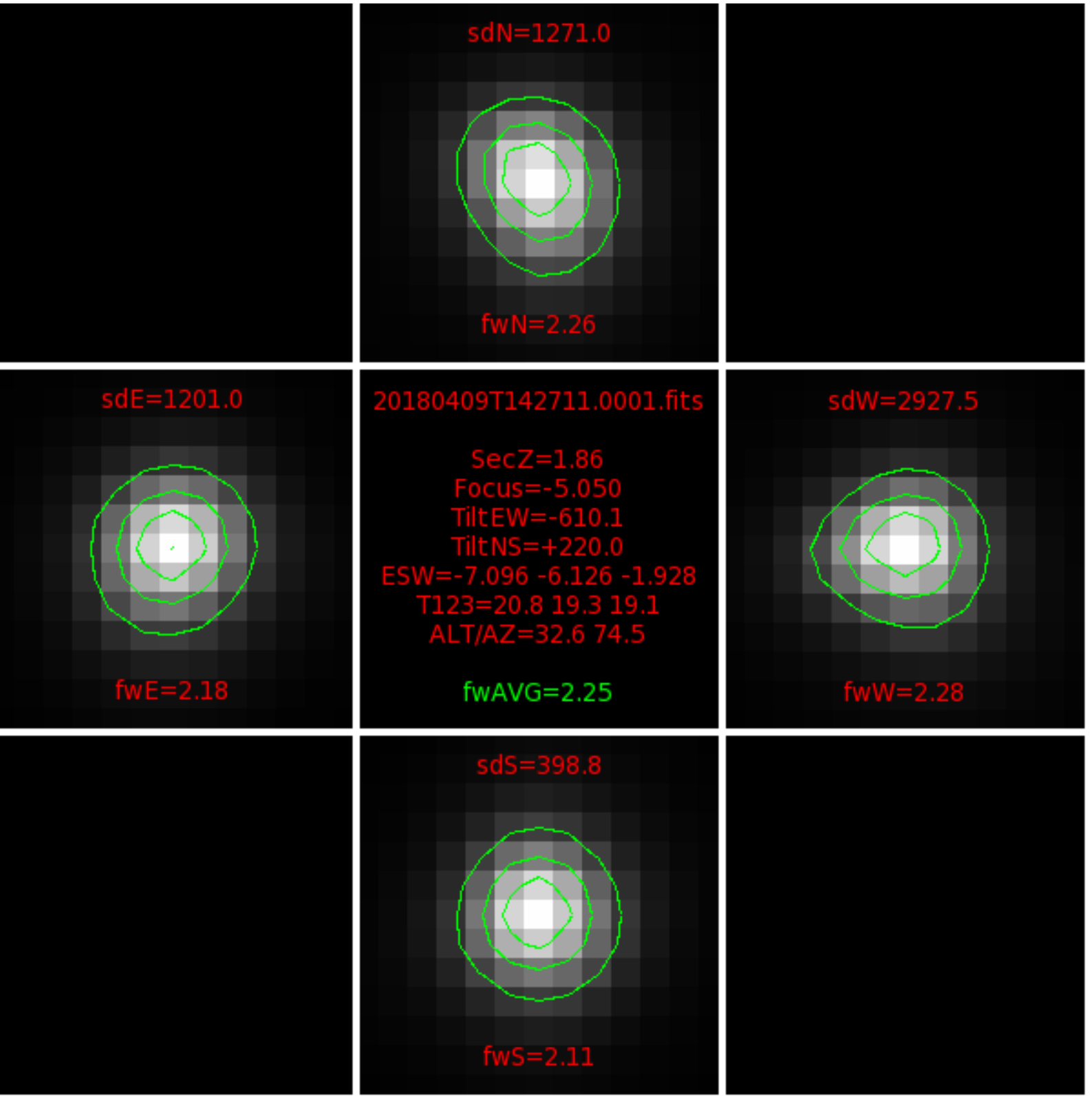
sdN=1271.0
fwN=2.26
sdE=1201.0
fwE=2.18
20180409T142711.0001.fits
SecZ=1.86
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.8 19.3 19.1
ALT/AZ=32.6 74.5
fwAVG=2.25
sdW=2927.5
fwW=2.28
sdS=398.8
fwS=2.11
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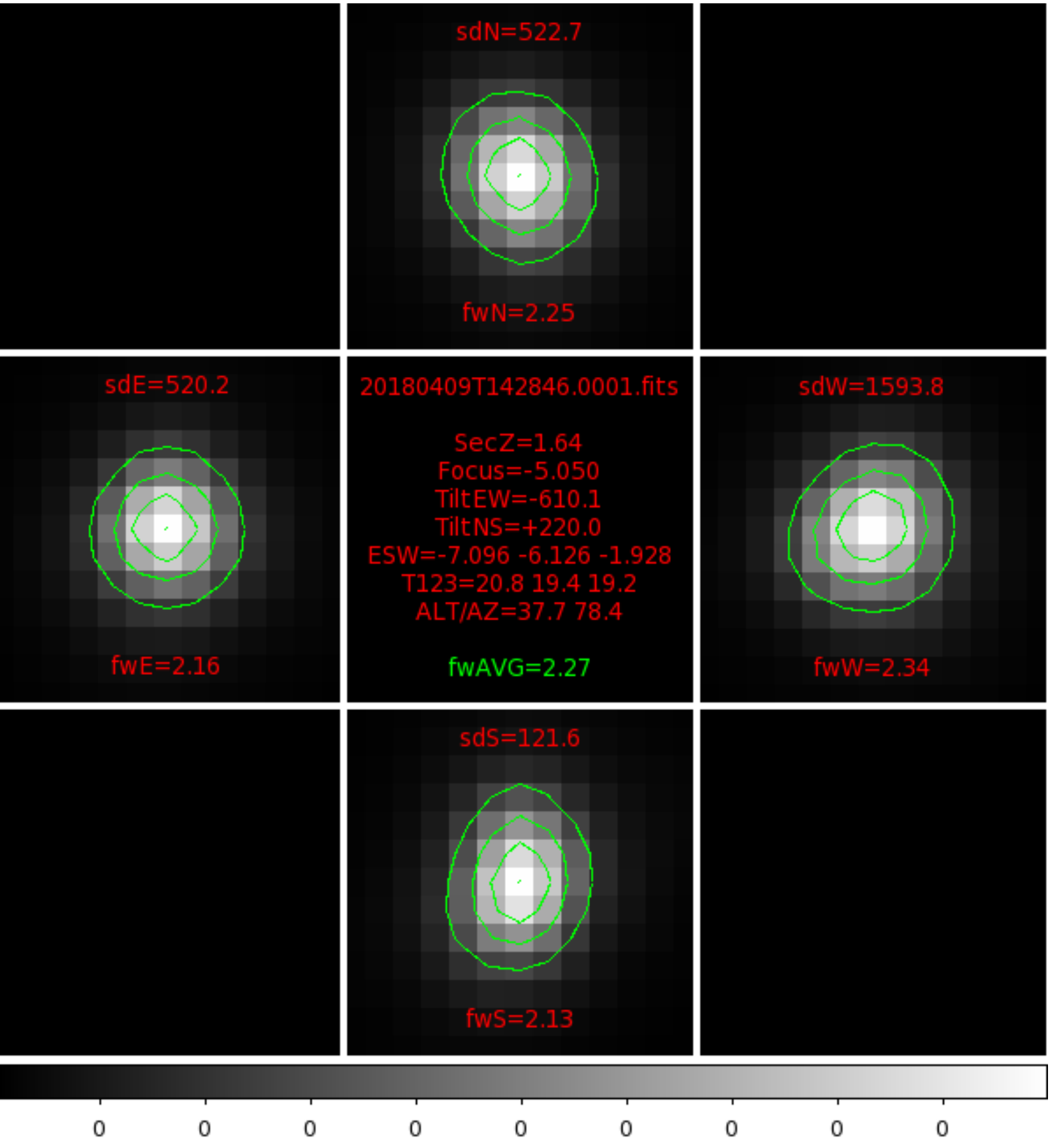
sdN=522.7
fwN=2.25
sdE=520.2
fwE=2.16
20180409T142846.0001.fits
SecZ=1.64
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.8 19.4 19.2
ALT/AZ=37.7 78.4
fwAVG=2.27
sdW=1593.8
fwW=2.34
sdS=121.6
fwS=2.13
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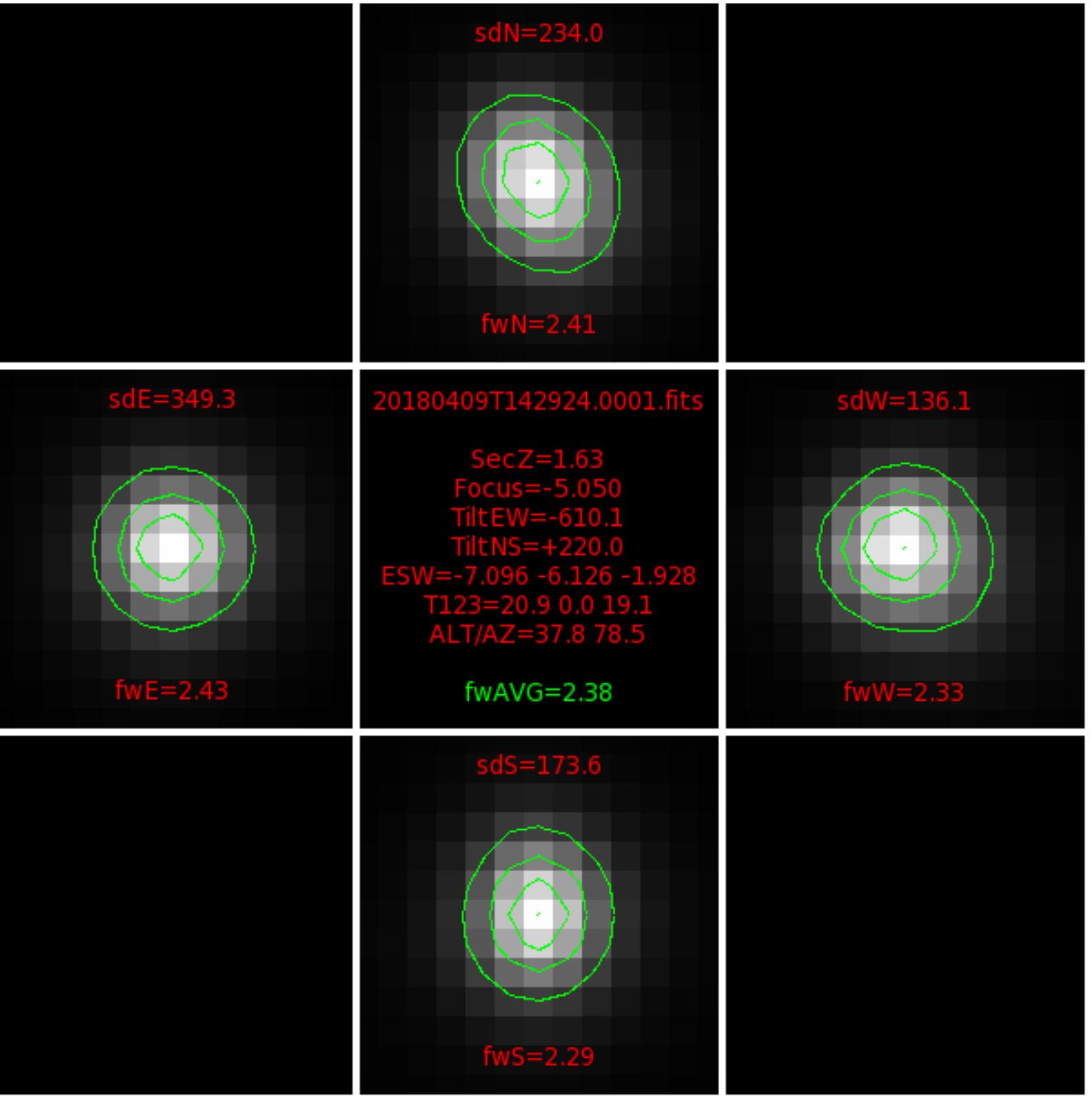
sdN=234.0
fwN=2.41
sdE=349.3
fwE=2.43
20180409T142924.0001.fits
SecZ=1.63
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.9 0.0 19.1
ALT/AZ=37.8 78.5
fwAVG=2.38
sdW=136.1
fwW=2.33
sdS=173.6
fwS=2.29
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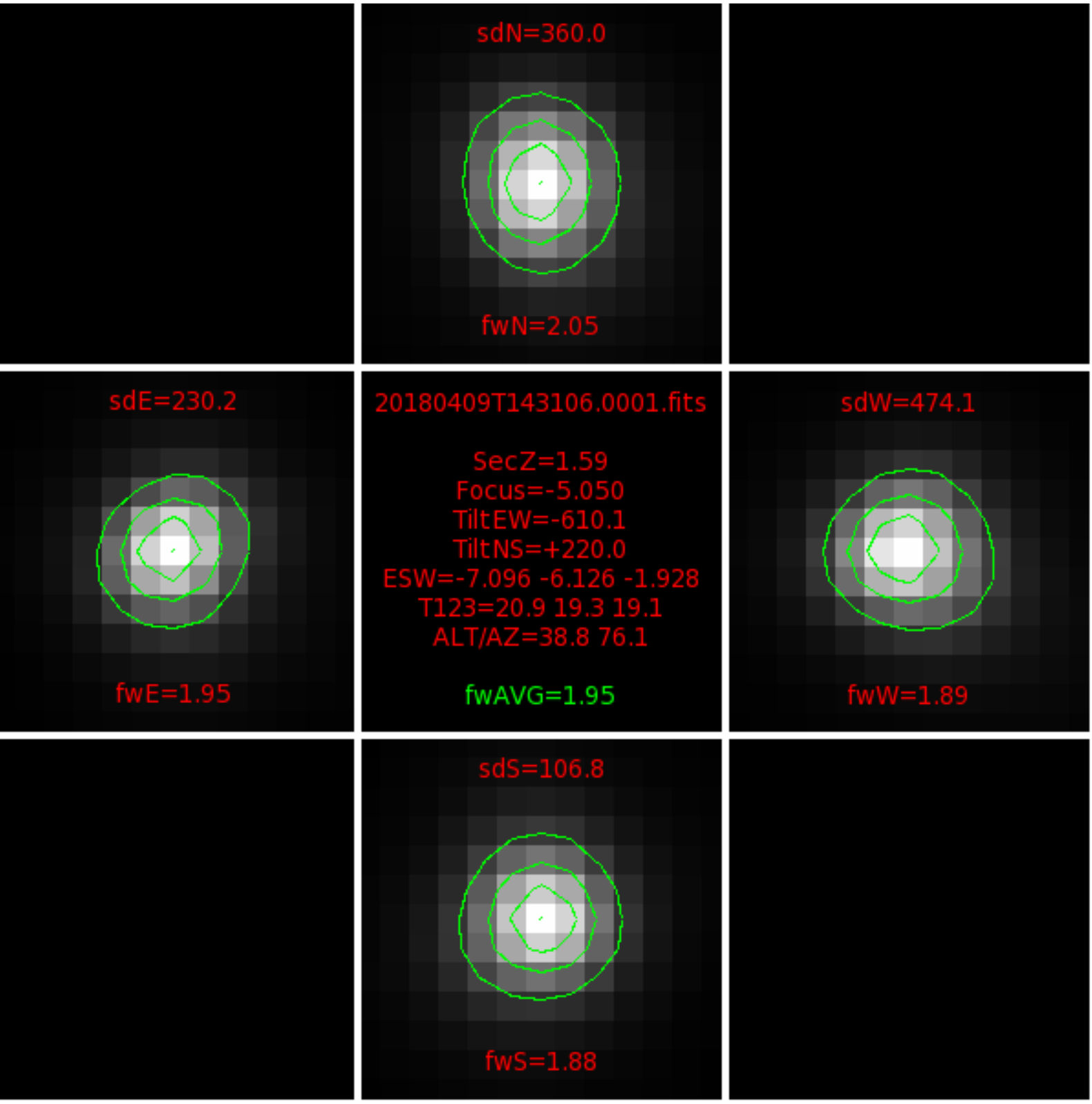
sdN=360.0
fwN=2.05
sdE=230.2
fwE=1.95
20180409T143106.0001.fits
SecZ=1.59
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.9 19.3 19.1
ALT/AZ=38.8 76.1
fwAVG=1.95
sdW=474.1
fwW=1.89
sdS=106.8
fwS=1.88
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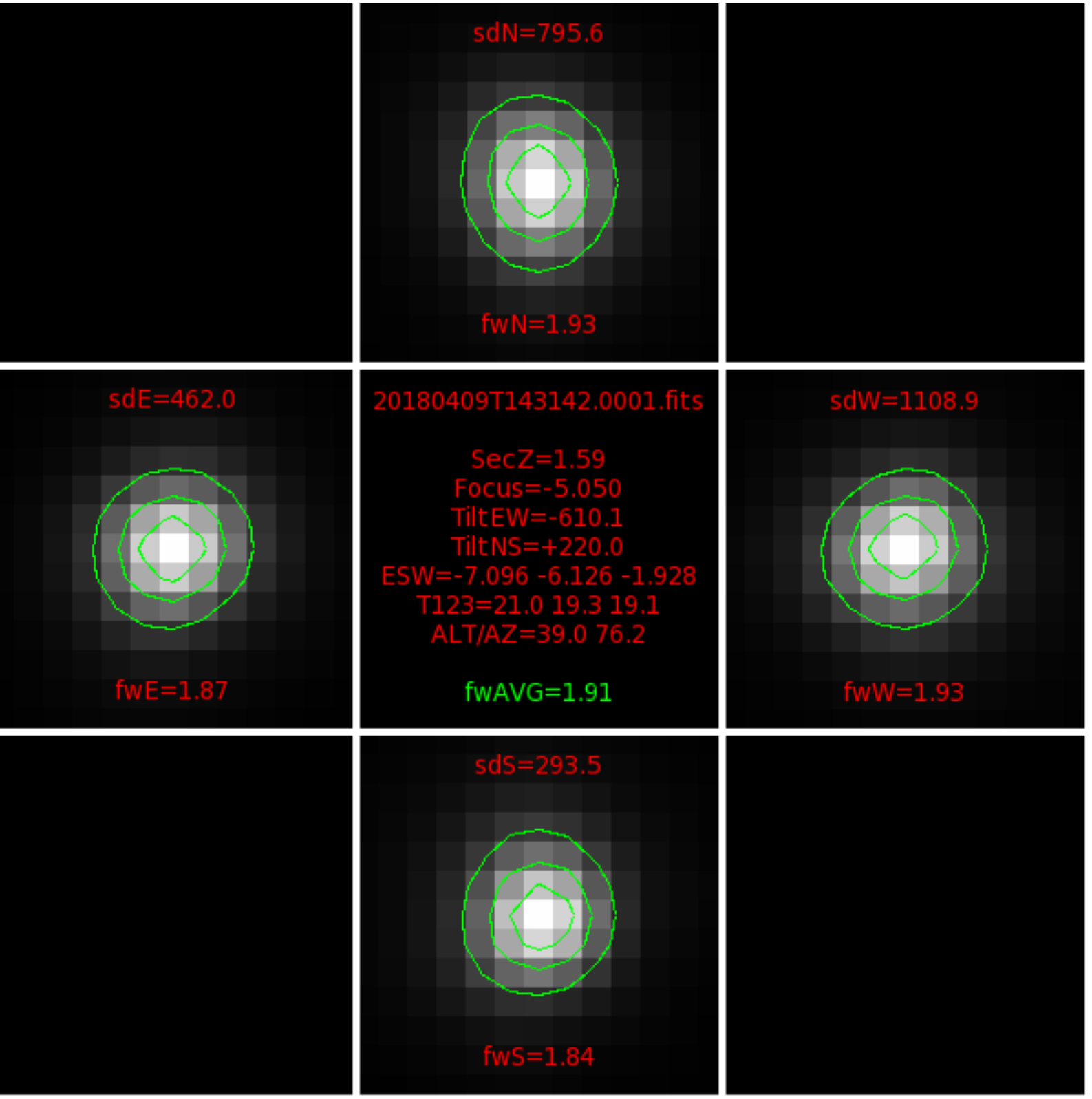
sdN=795.6
fwN=1.93
sdE=462.0
fwE=1.87
20180409T143142.0001.fits
SecZ=1.59
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=21.0 19.3 19.1
ALT/AZ=39.0 76.2
fwAVG=1.91
sdW=1108.9
fwW=1.93
sdS=293.5
fwS=1.84
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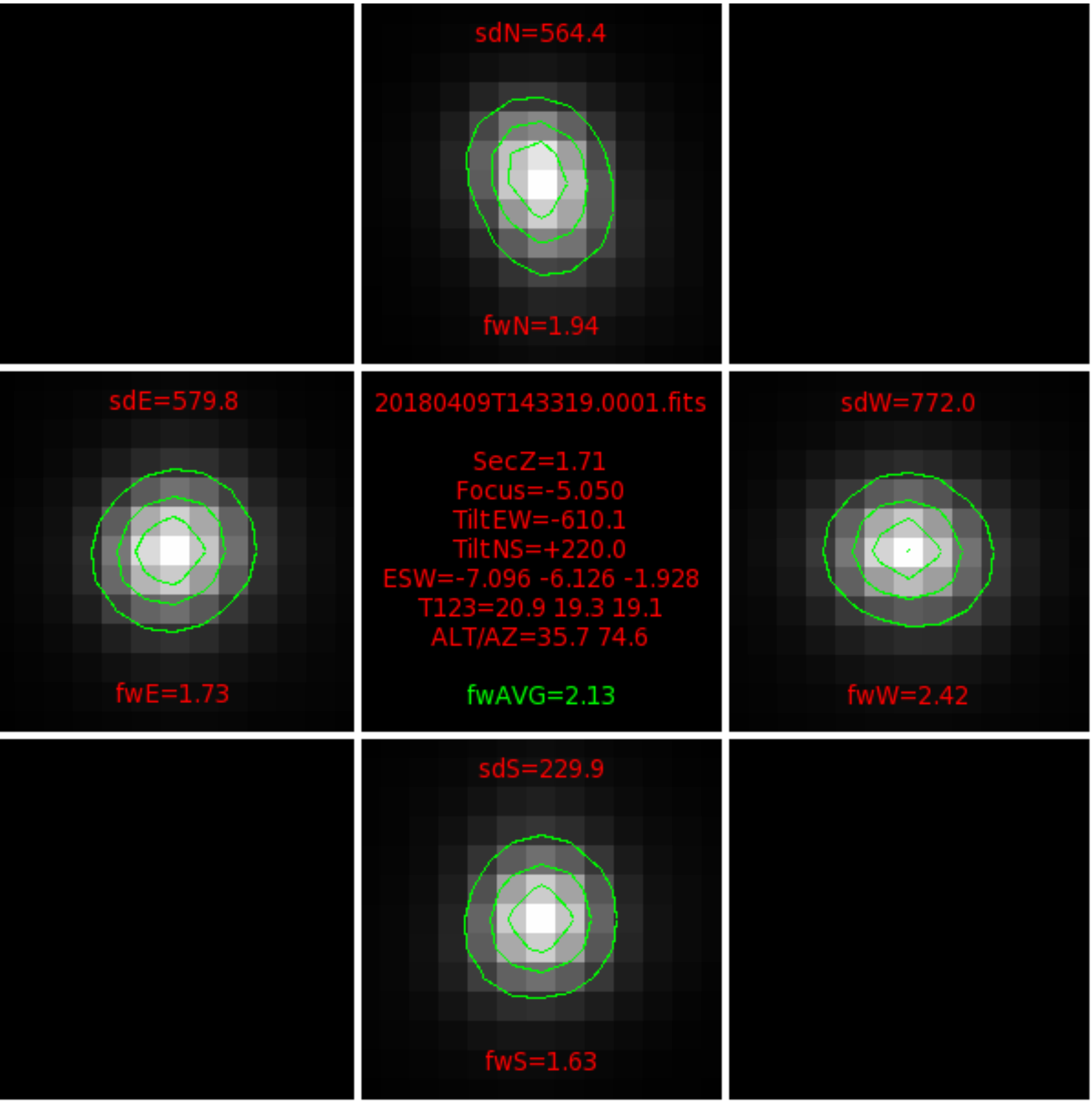
sdN=564.4
fwN=1.94
sdE=579.8
fwE=1.73
20180409T143319.0001.fits
SecZ=1.71
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.9 19.3 19.1
ALT/AZ=35.7 74.6
fwAVG=2.13
sdW=772.0
fwW=2.42
sdS=229.9
fwS=1.63
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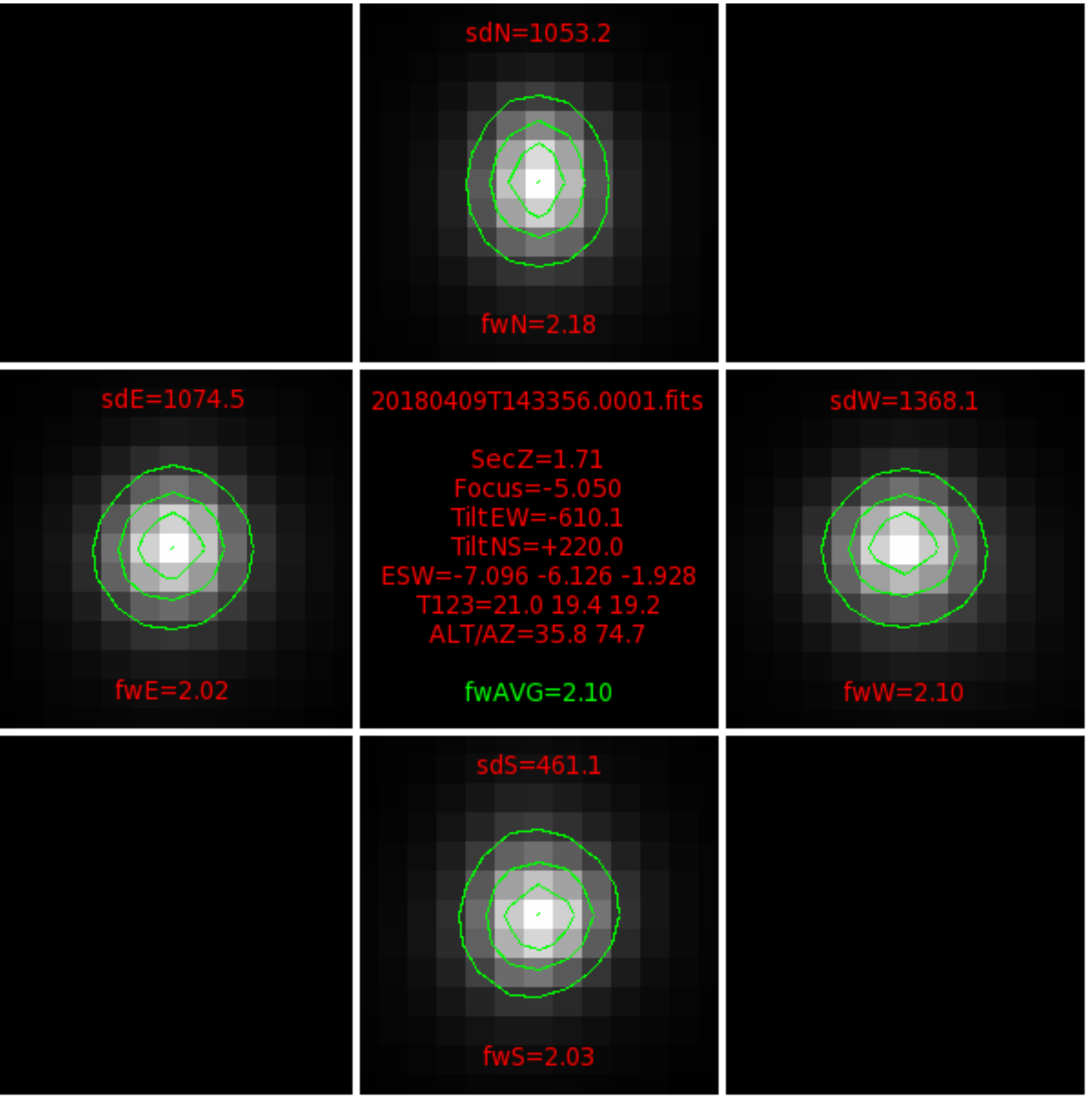
sdN=1053.2
fwN=2.18
sdE=1074.5
fwE=2.02
20180409T143356.0001.fits
SecZ=1.71
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=21.0 19.4 19.2
ALT/AZ=35.8 74.7
fwAVG=2.10
sdW=1368.1
fwW=2.10
sdS=461.1
fwS=2.03
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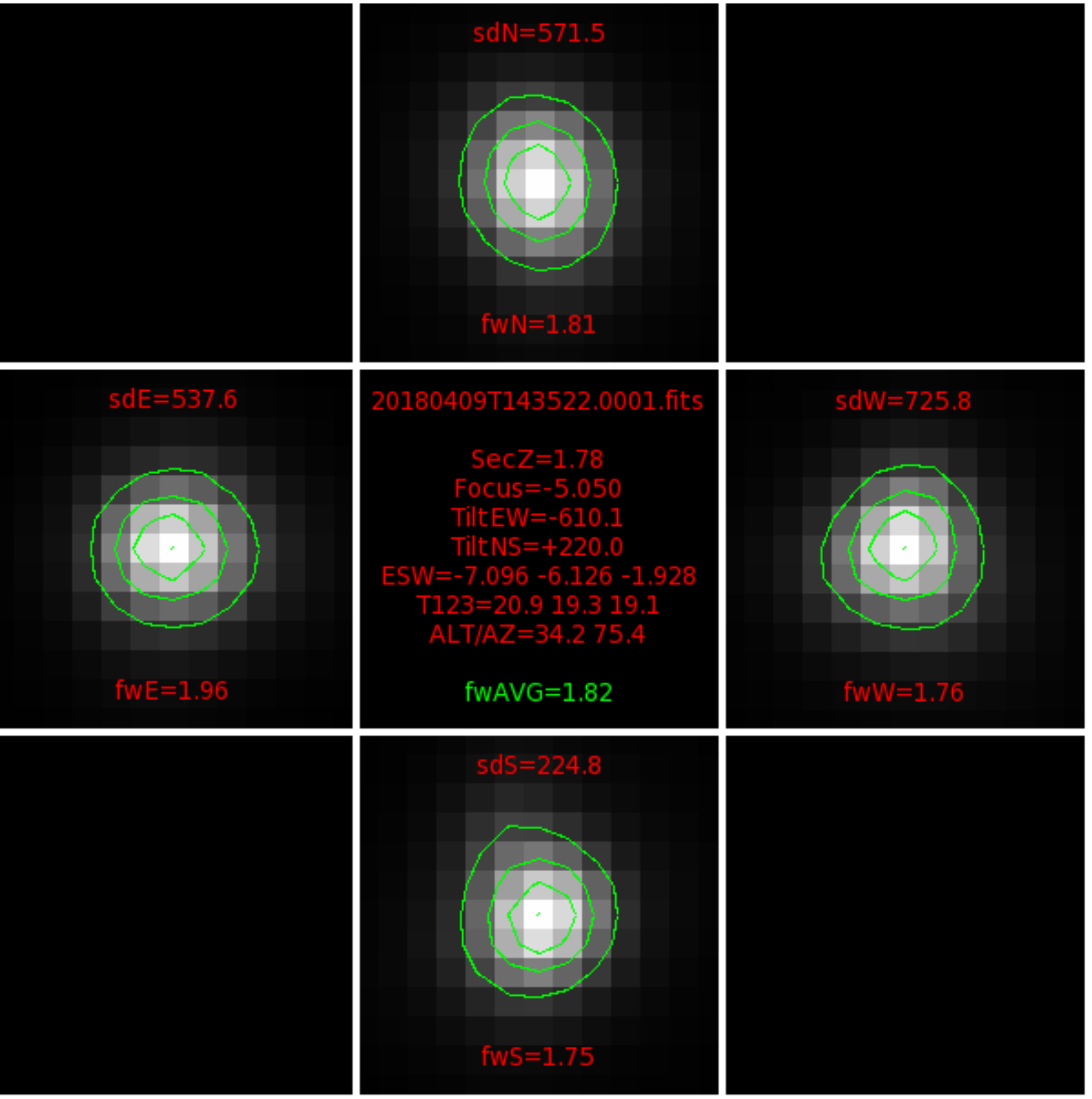
sdN=571.5
fwN=1.81
sdE=537.6
fwE=1.96
20180409T143522.0001.fits
SecZ=1.78
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.9 19.3 19.1
ALT/AZ=34.2 75.4
fwAVG=1.82
sdW=725.8
fwW=1.76
sdS=224.8
fwS=1.75
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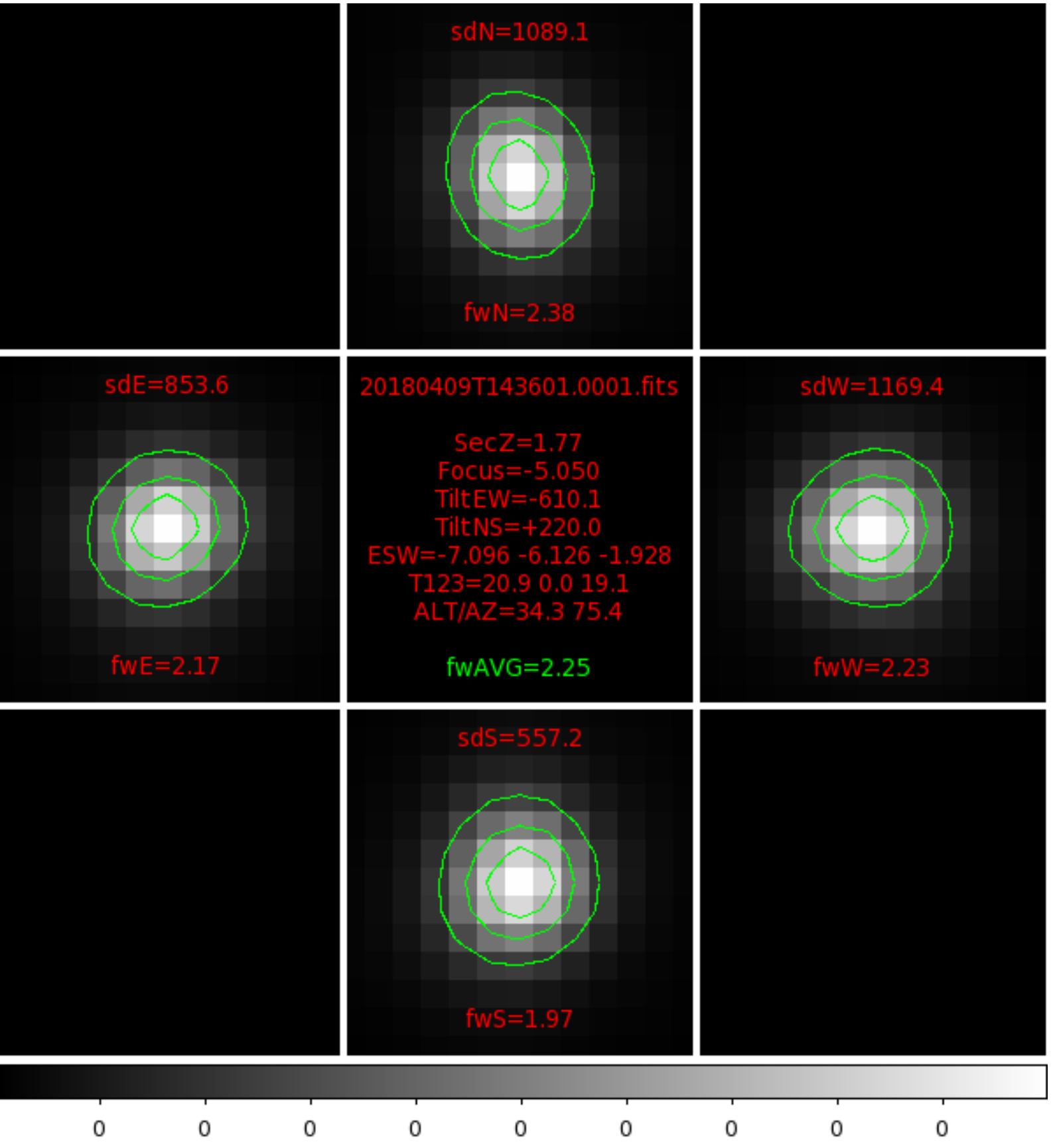
sdN=1089.1
fwN=2.38
sdE=853.6
fwE=2.17
20180409T143601.0001.fits
SecZ=1.77
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.9 0.0 19.1
ALT/AZ=34.3 75.4
fwAVG=2.25
sdW=1169.4
fwW=2.23
sdS=557.2
fwS=1.97
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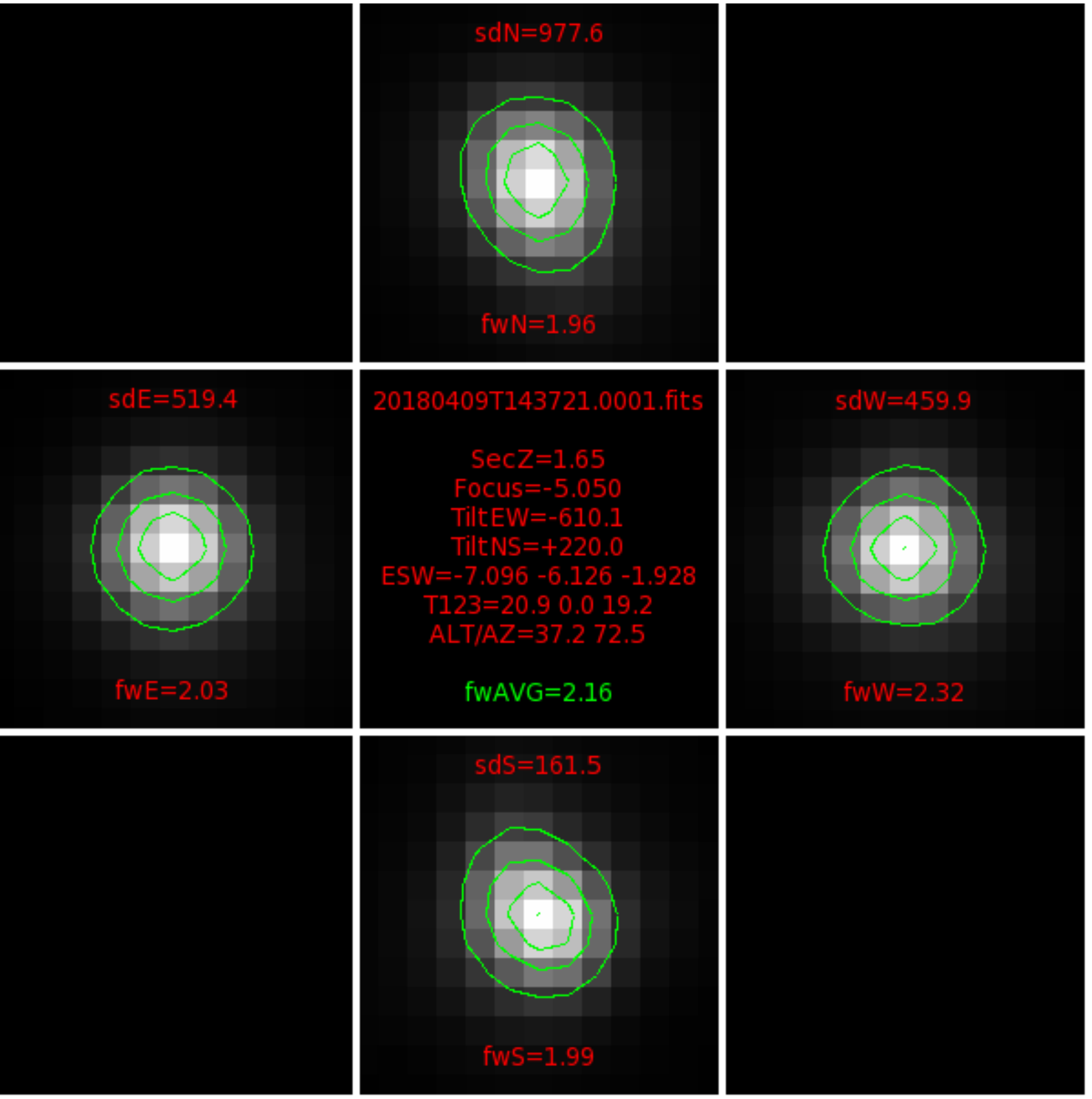
sdN=977.6
fwN=1.96
sdE=519.4
fwE=2.03
20180409T143721.0001.fits
SecZ=1.65
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.9 0.0 19.2
ALT/AZ=37.2 72.5
fwAVG=2.16
sdW=459.9
fwW=2.32
sdS=161.5
fwS=1.99
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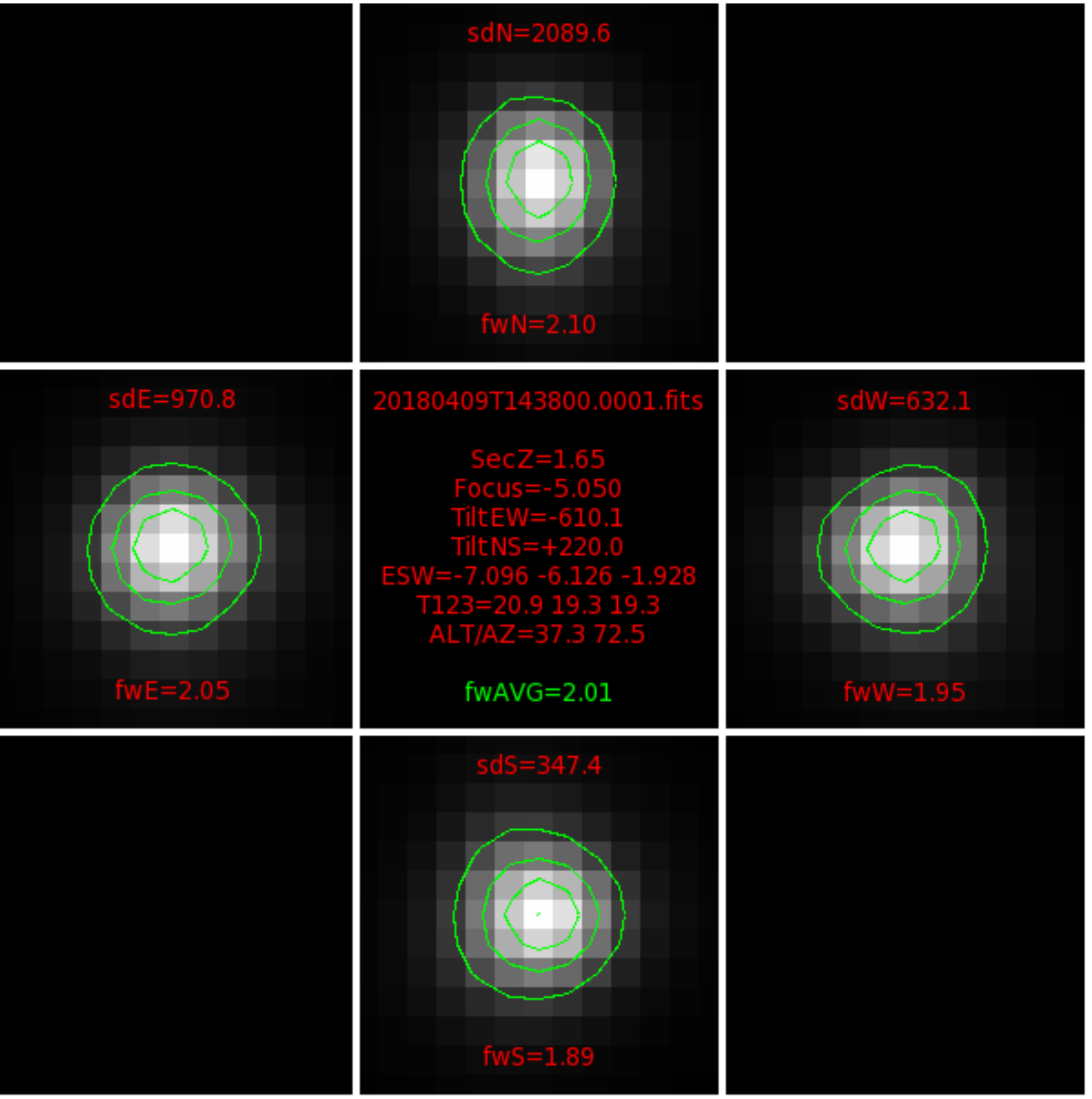
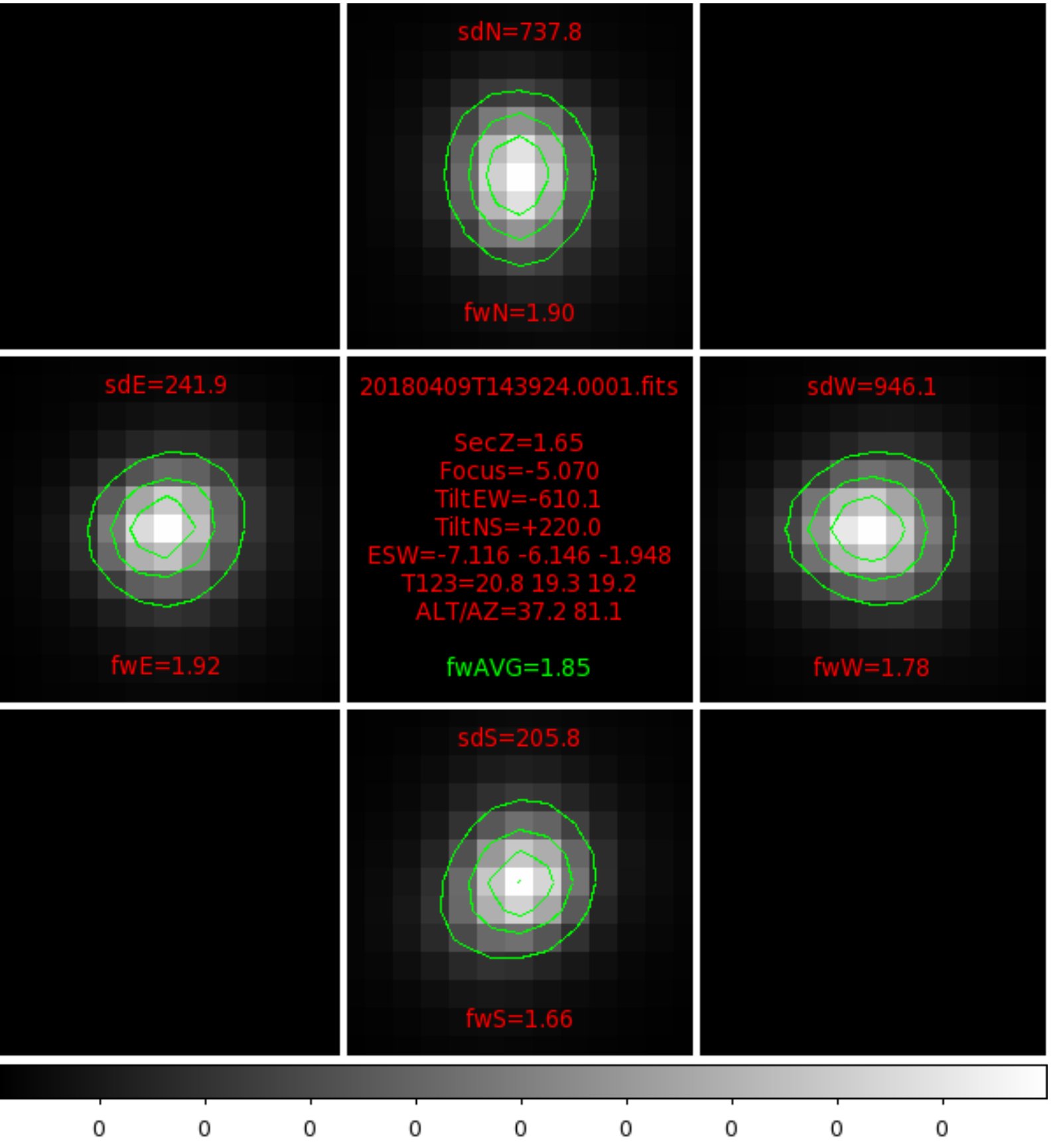

sdN=2089.6
fwN=2.10
sdE=970.8
fwE=2.05
20180409T143800.0001.fits
SecZ=1.65
Focus=-5.050
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.096 -6.126 -1.928
T123=20.9 19.3 19.3
ALT/AZ=37.3 72.5
fwAVG=2.01
sdW=632.1
fwW=1.95
sdS=347.4
fwS=1.89
0 0 0 0 0 0 0 0 0


sdN=737.8
fwN=1.90
sdE=241.9
fwE=1.92
20180409T143924.0001.fits
SecZ=1.65
Focus=-5.070
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.116 -6.146 -1.948
T123=20.8 19.3 19.2
ALT/AZ=37.2 81.1
fwAVG=1.85
sdW=946.1
fwW=1.78
sdS=205.8
fwS=1.66
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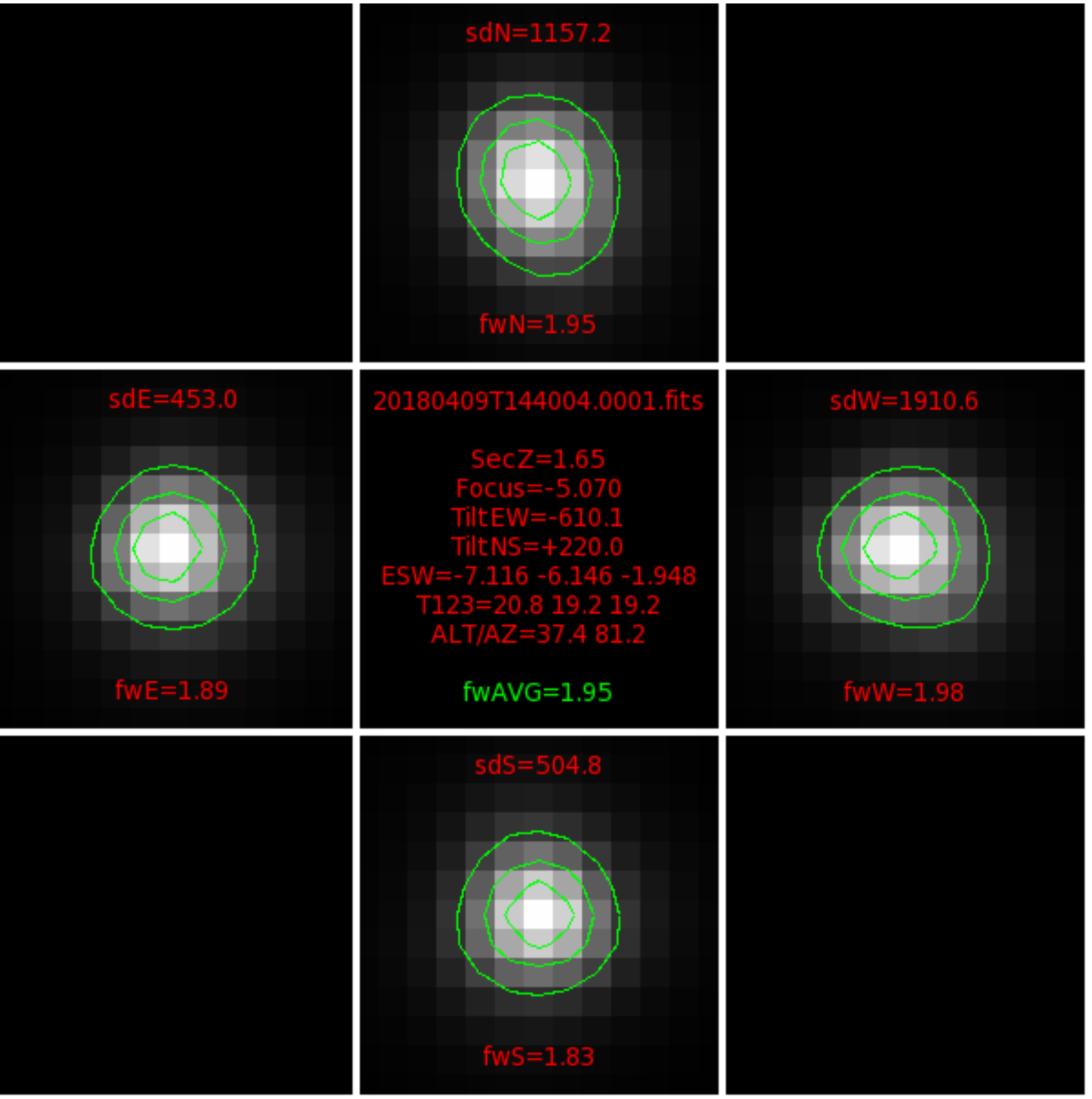
sdN=1157.2
fwN=1.95
sdE=453.0
fwE=1.89
20180409T144004.0001.fits
SecZ=1.65
Focus=-5.070
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.116 -6.146 -1.948
T123=20.8 19.2 19.2
ALT/AZ=37.4 81.2
fwAVG=1.95
sdW=1910.6
fwW=1.98
sdS=504.8
fwS=1.83
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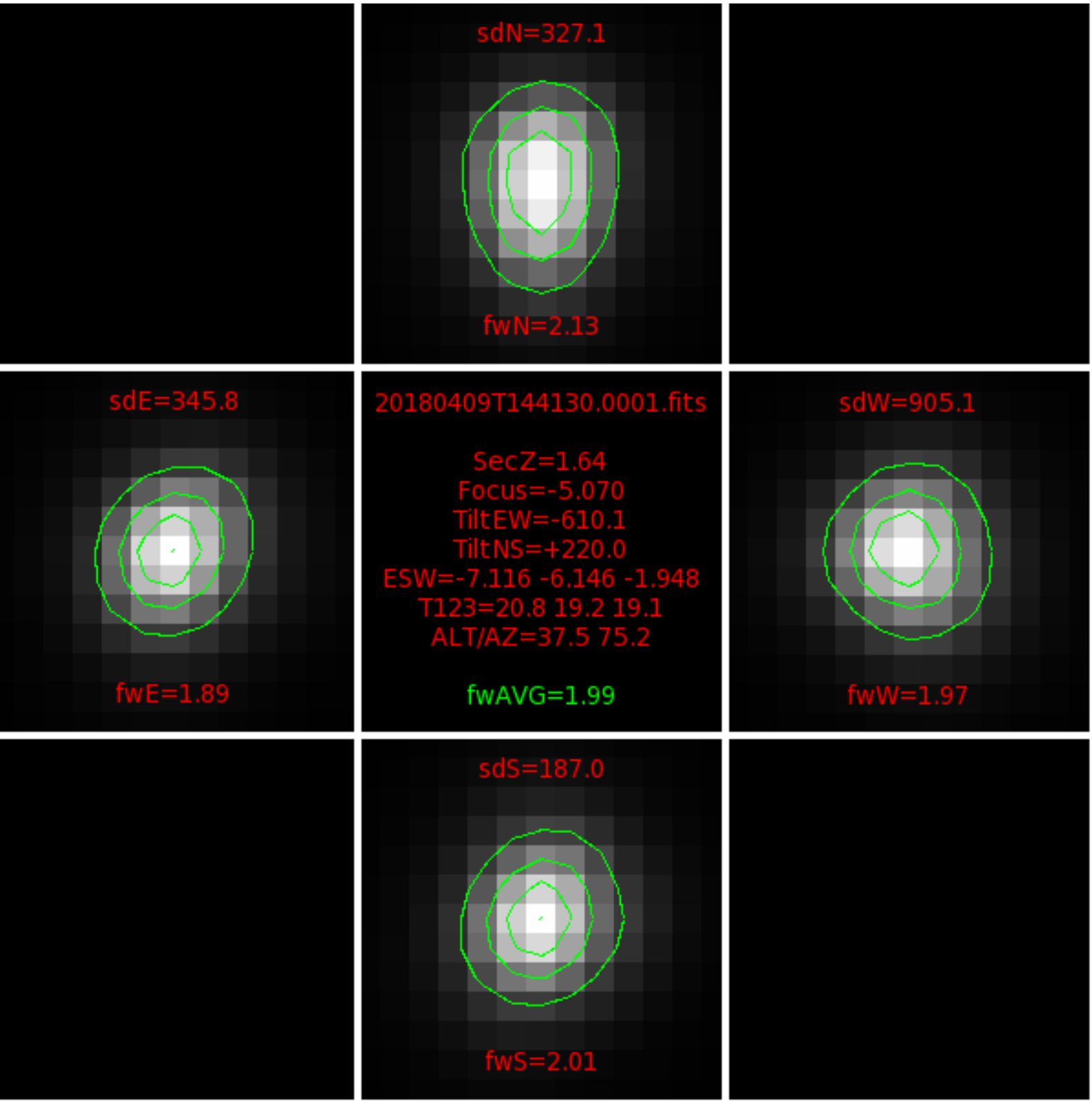
sdN=327.1
fwN=2.13
sdE=345.8
fwE=1.89
20180409T144130.0001.fits
SecZ=1.64
Focus=-5.070
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.116 -6.146 -1.948
T123=20.8 19.2 19.1
ALT/AZ=37.5 75.2
fwAVG=1.99
sdW=905.1
fwW=1.97
sdS=187.0
fwS=2.01
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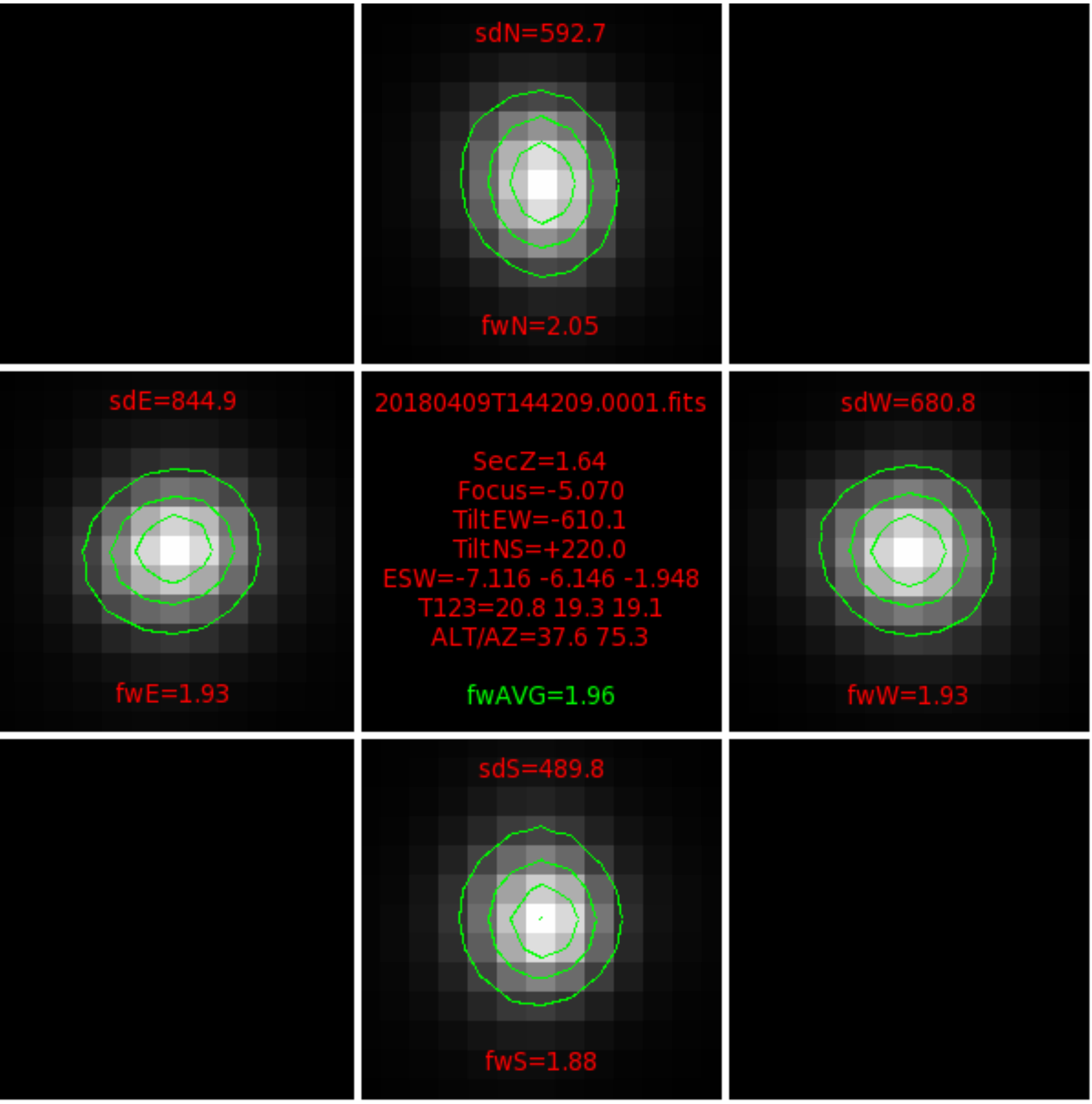
sdN=592.7
fwN=2.05
sdE=844.9
fwE=1.93
20180409T144209.0001.fits
SecZ=1.64
Focus=-5.070
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.116 -6.146 -1.948
T123=20.8 19.3 19.1
ALT/AZ=37.6 75.3
fwAVG=1.96
sdW=680.8
fwW=1.93
sdS=489.8
fwS=1.88
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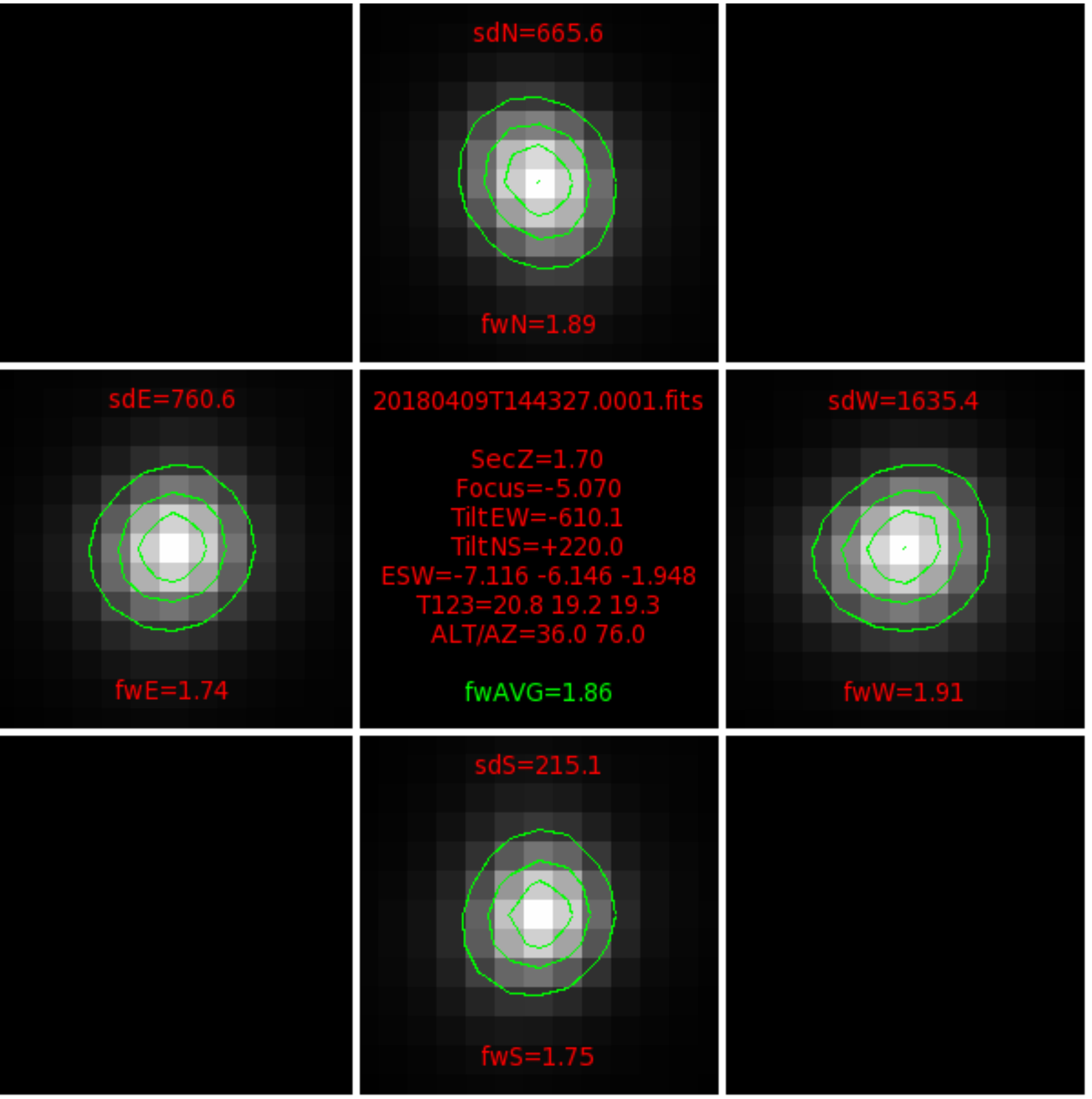
sdN=665.6
fwN=1.89
sdE=760.6
fwE=1.74
20180409T144327.0001.fits
SecZ=1.70
Focus=-5.070
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.116 -6.146 -1.948
T123=20.8 19.2 19.3
ALT/AZ=36.0 76.0
fwAVG=1.86
sdW=1635.4
fwW=1.91
sdS=215.1
fwS=1.75
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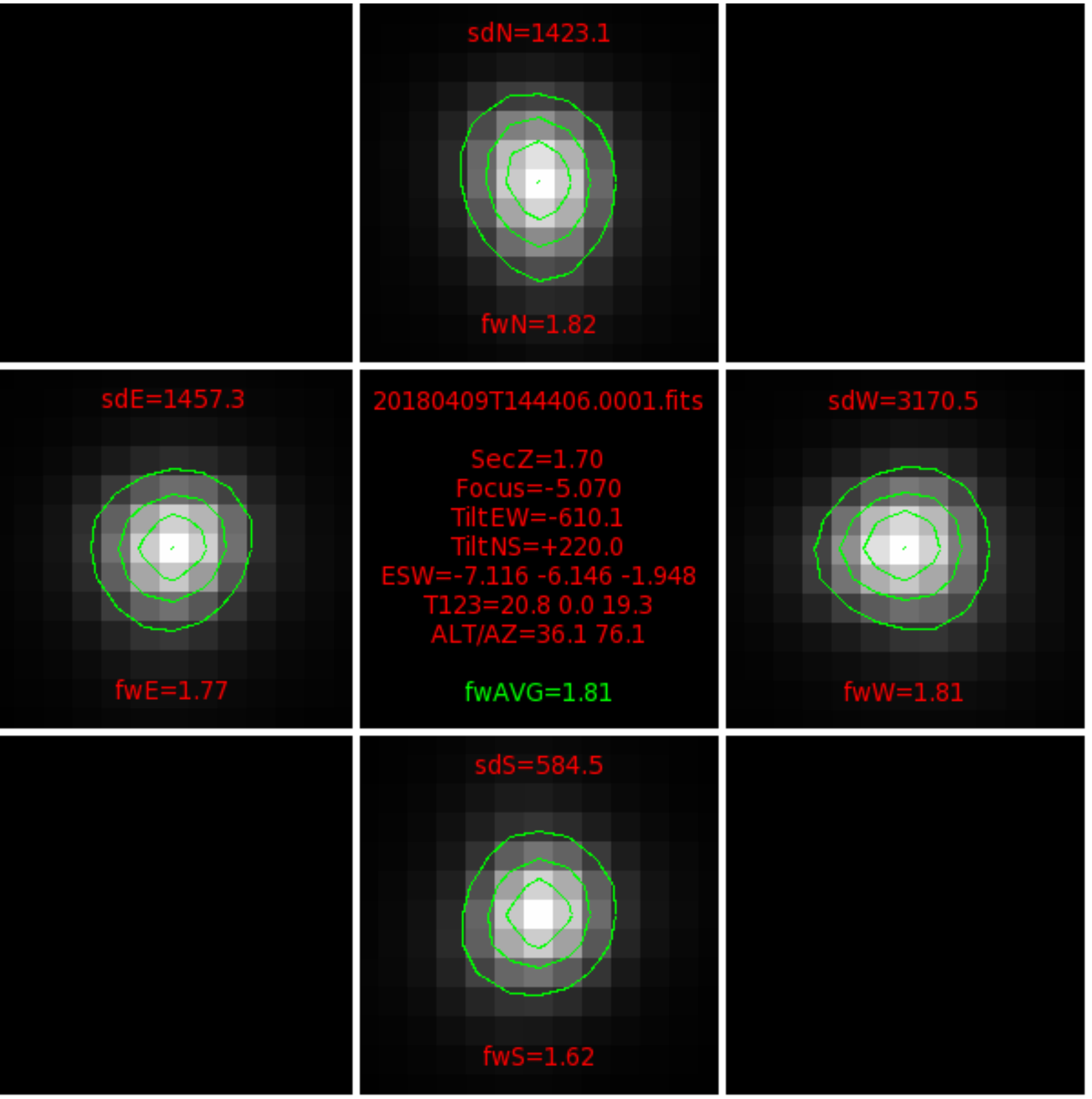
sdN=1423.1
fwN=1.82
sdE=1457.3
fwE=1.77
20180409T144406.0001.fits
SecZ=1.70
Focus=-5.070
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.116 -6.146 -1.948
T123=20.8 0.0 19.3
ALT/AZ=36.1 76.1
fwAVG=1.81
sdW=3170.5
fwW=1.81
sdS=584.5
fwS=1.62
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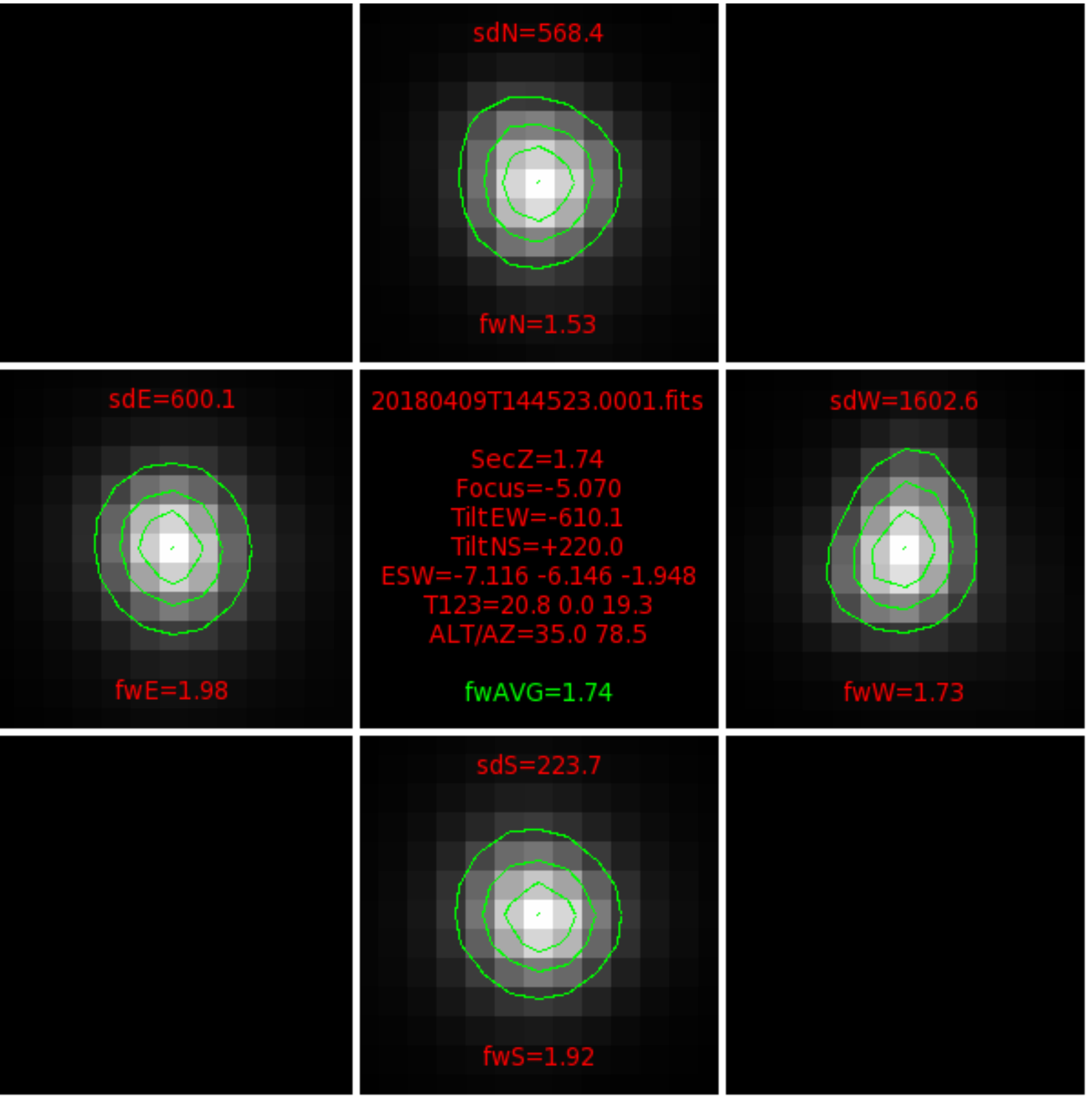
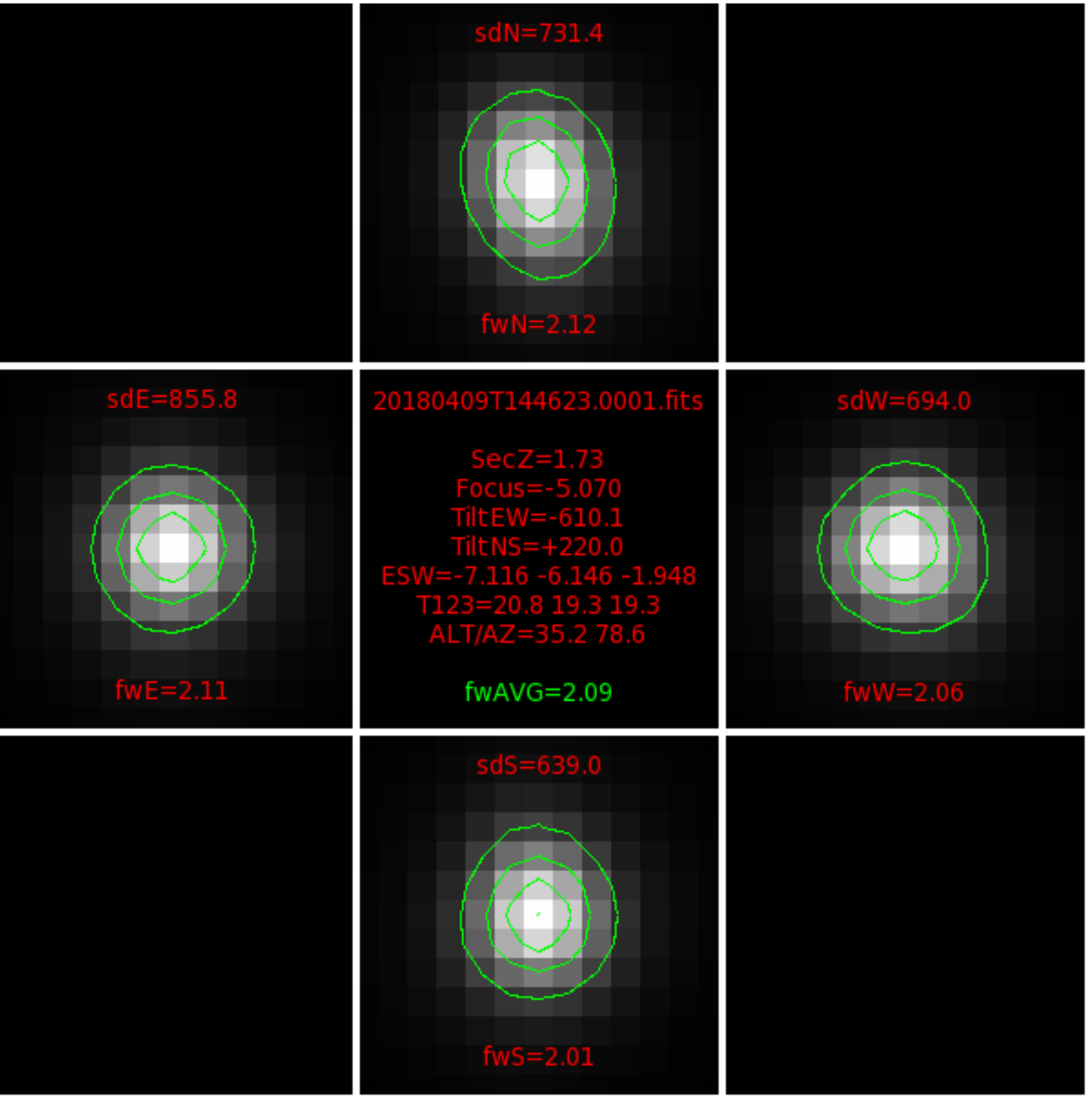
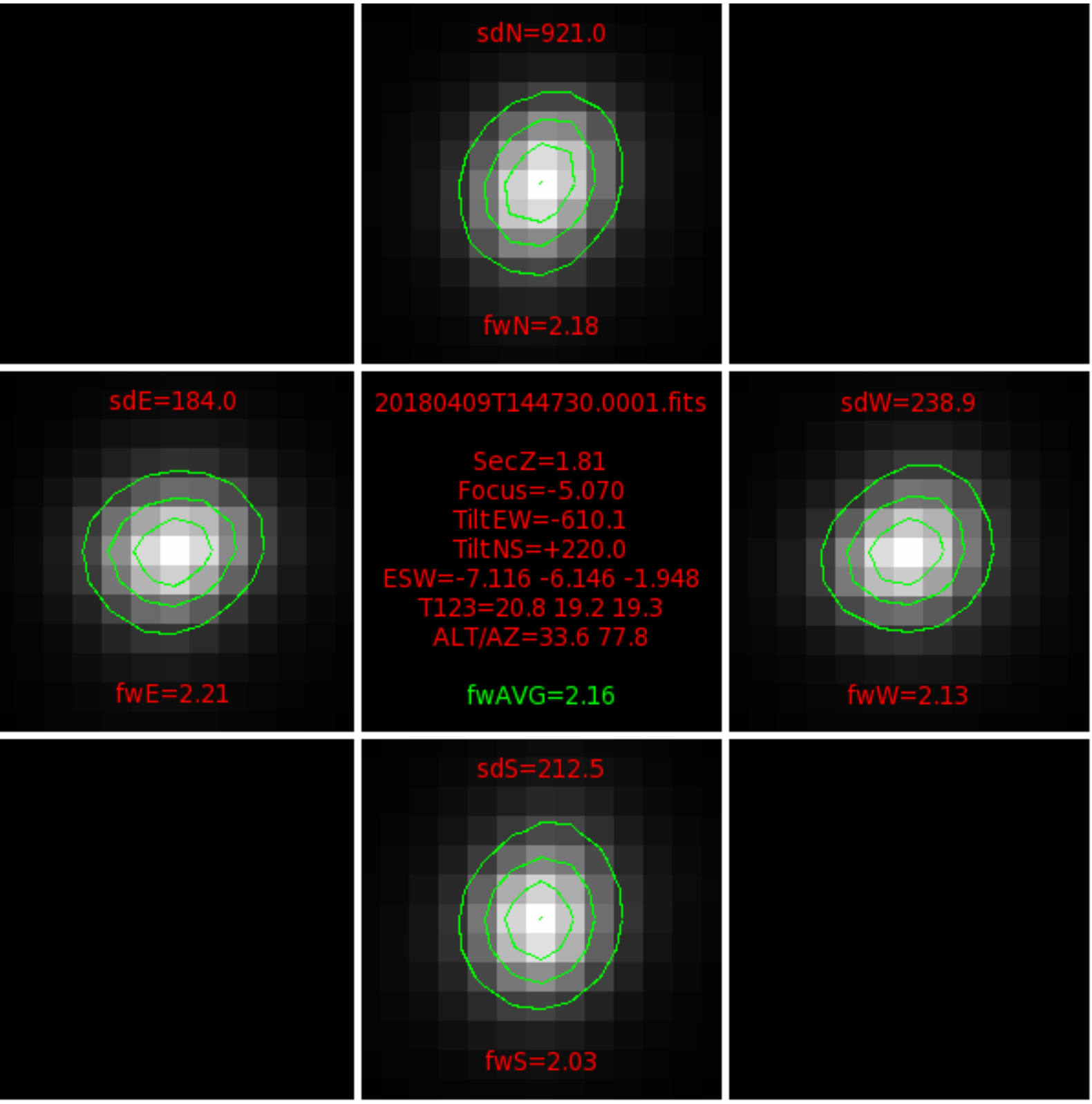

sdN=568.4
fwN=1.53
sdE=600.1
fwE=1.98
20180409T144523.0001.fits
SecZ=1.74
Focus=-5.070
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.116 -6.146 -1.948
T123=20.8 0.0 19.3
ALT/AZ=35.0 78.5
fwAVG=1.74
sdW=1602.6
fwW=1.73
sdS=223.7
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=731.4
fwN=2.12
sdE=855.8
fwE=2.11
20180409T144623.0001.fits
SecZ=1.73
Focus=-5.070
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.116 -6.146 -1.948
T123=20.8 19.3 19.3
ALT/AZ=35.2 78.6
fwAVG=2.09
sdW=694.0
fwW=2.06
sdS=639.0
fwS=2.01
0 0 0 0 0 0 0 0 0


sdN=921.0
fwN=2.18
sdE=184.0
fwE=2.21
20180409T144730.0001.fits
SecZ=1.81
Focus=-5.070
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.116 -6.146 -1.948
T123=20.8 19.2 19.3
ALT/AZ=33.6 77.8
fwAVG=2.16
sdW=238.9
fwW=2.13
sdS=212.5
fwS=2.03
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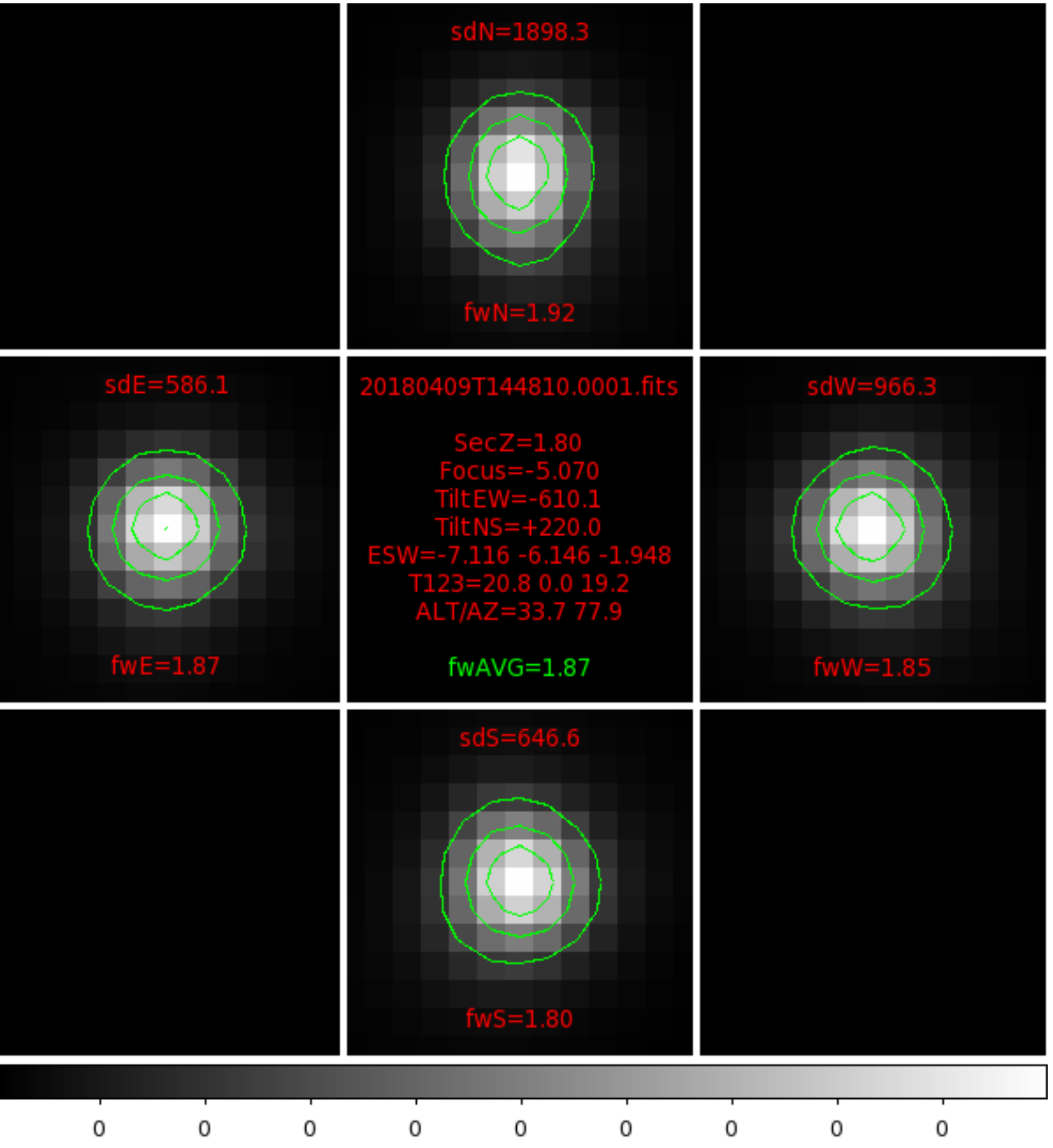
sdN=1898.3
fwN=1.92
sdE=586.1
fwE=1.87
20180409T144810.0001.fits
SecZ=1.80
Focus=-5.070
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.116 -6.146 -1.948
T123=20.8 0.0 19.2
ALT/AZ=33.7 77.9
fwAVG=1.87
sdW=966.3
fwW=1.85
sdS=646.6
fwS=1.80
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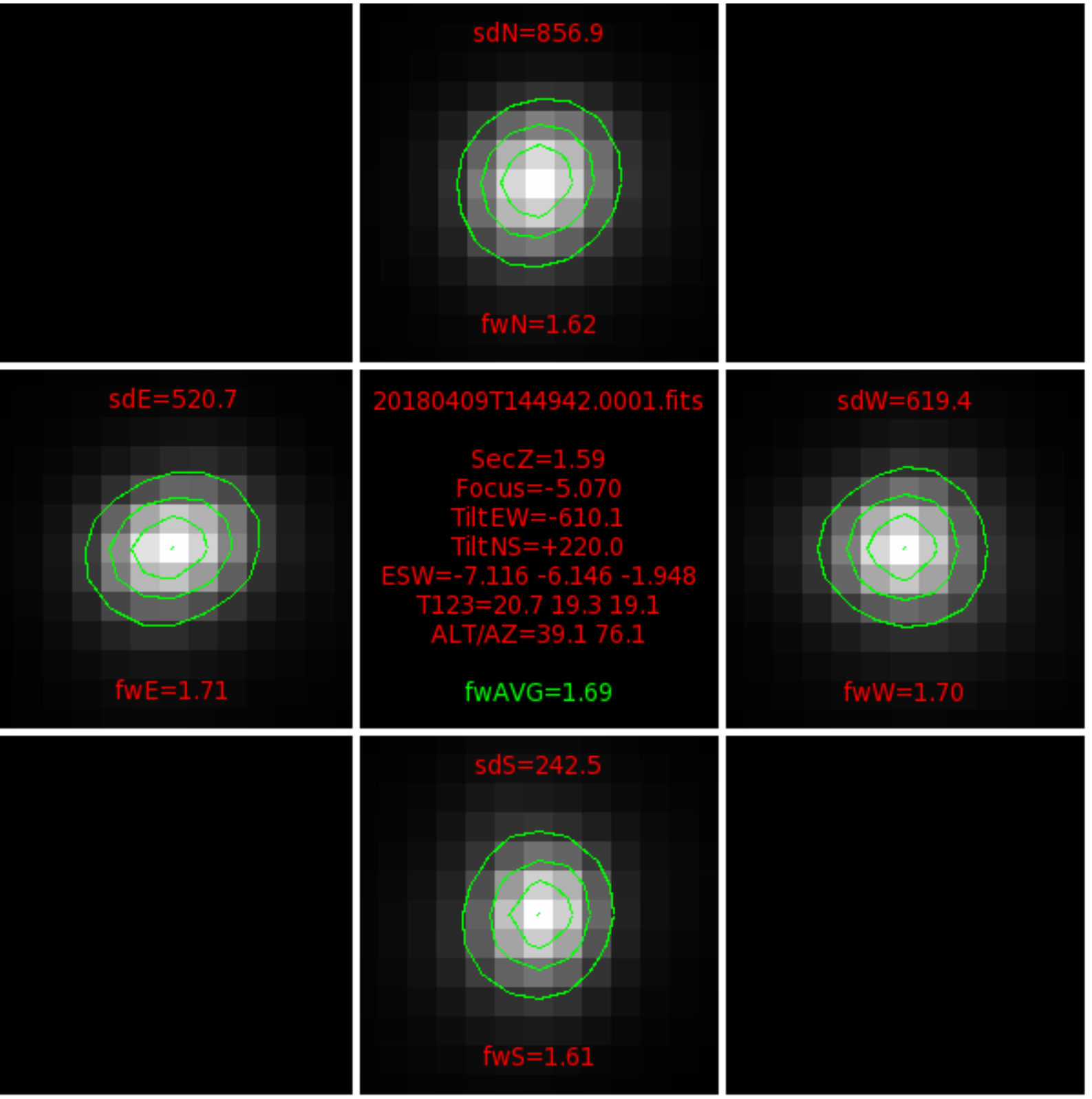
sdN=856.9
fwN=1.62
sdE=520.7
fwE=1.71
20180409T144942.0001.fits
SecZ=1.59
Focus=-5.070
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.116 -6.146 -1.948
T123=20.7 19.3 19.1
ALT/AZ=39.1 76.1
fwAVG=1.69
sdW=619.4
fwW=1.70
sdS=242.5
fwS=1.61
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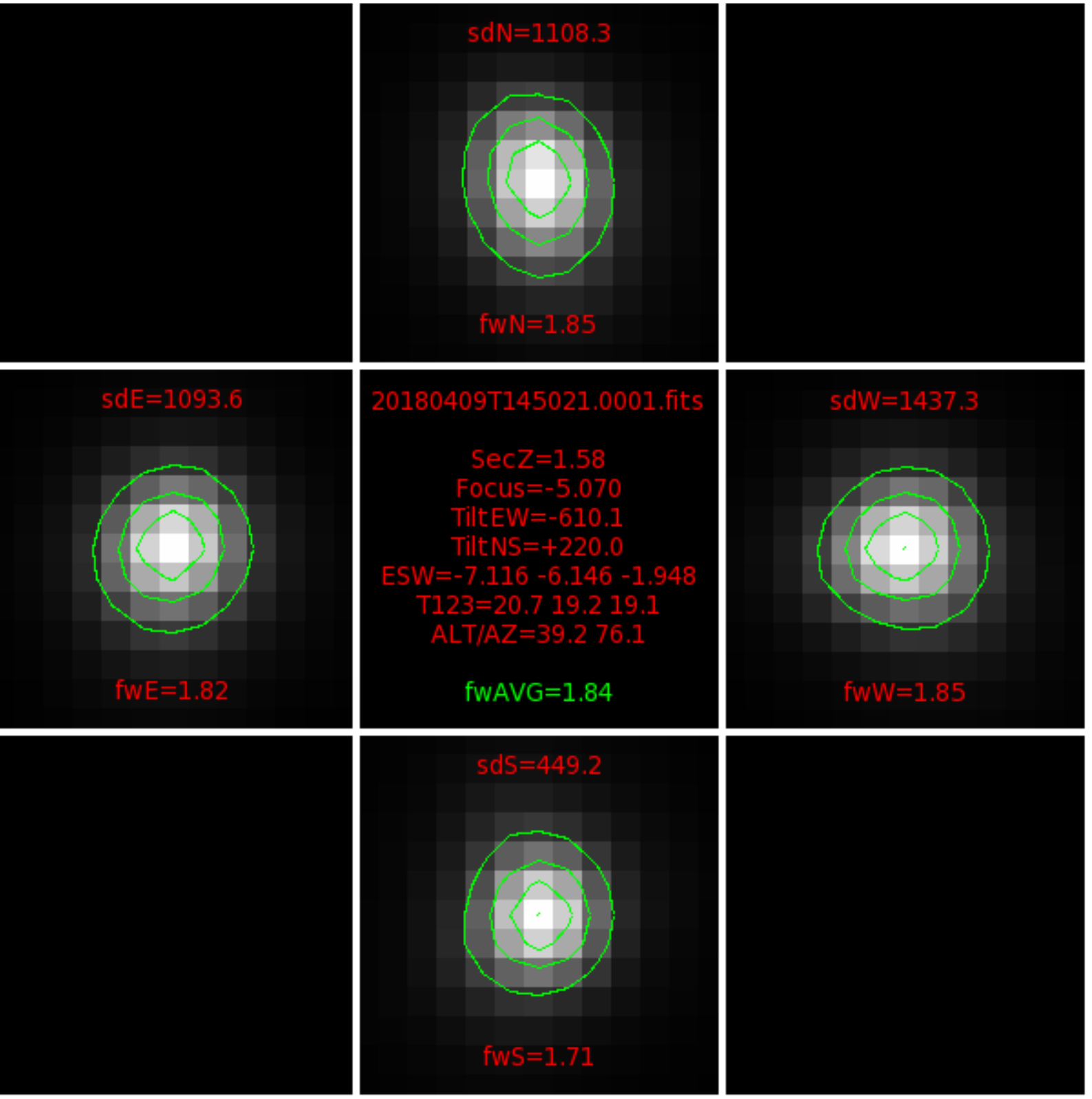
sdN=1108.3
fwN=1.85
sdE=1093.6
fwE=1.82
20180409T145021.0001.fits
SecZ=1.58
Focus=-5.070
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.116 -6.146 -1.948
T123=20.7 19.2 19.1
ALT/AZ=39.2 76.1
fwAVG=1.84
sdW=1437.3
fwW=1.85
sdS=449.2
fwS=1.71
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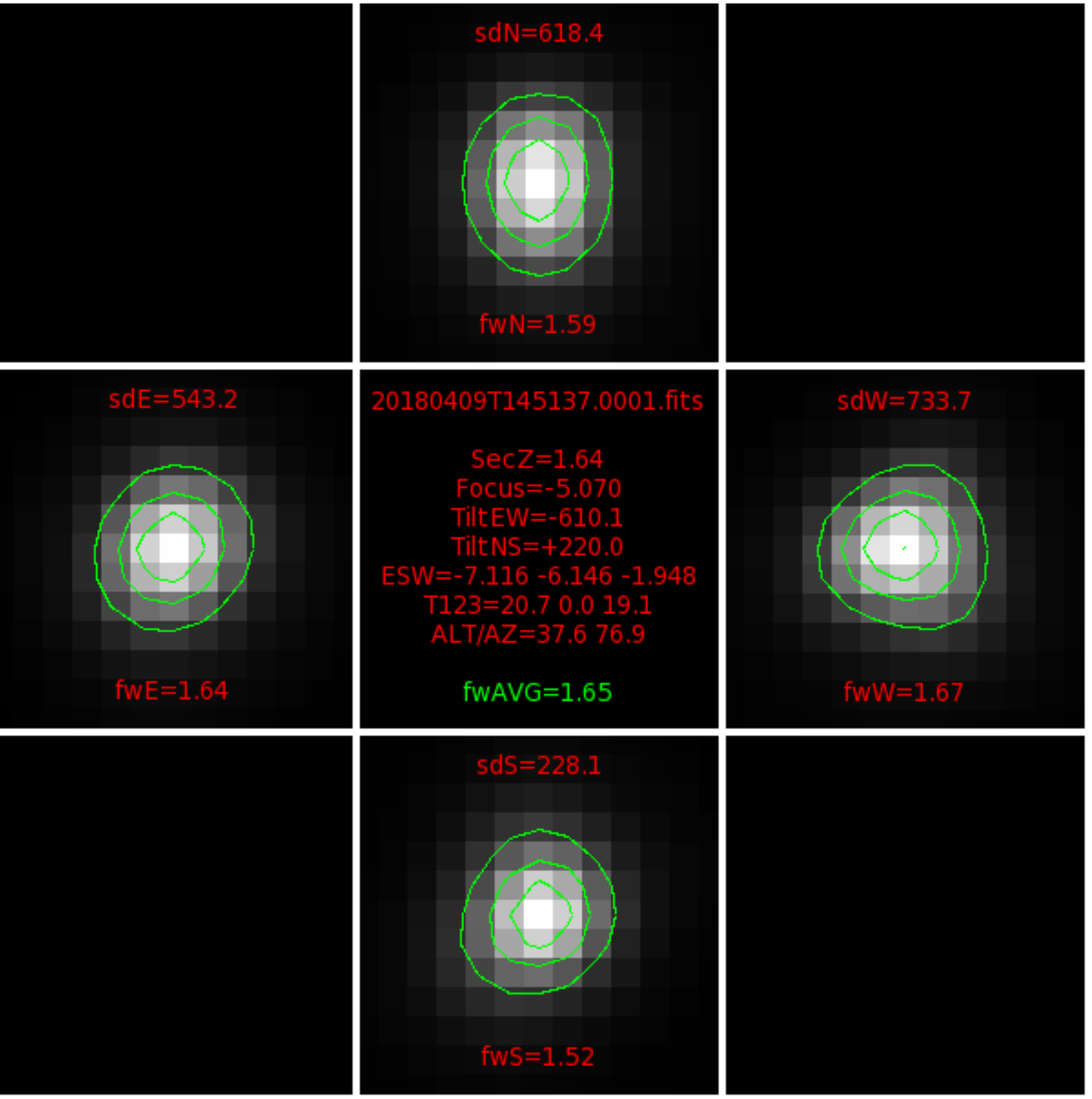
sdN=618.4
fwN=1.59
sdE=543.2
fwE=1.64
20180409T145137.0001.fits
SecZ=1.64
Focus=-5.070
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.116 -6.146 -1.948
T123=20.7 0.0 19.1
ALT/AZ=37.6 76.9
fwAVG=1.65
sdW=733.7
fwW=1.67
sdS=228.1
fwS=1.52
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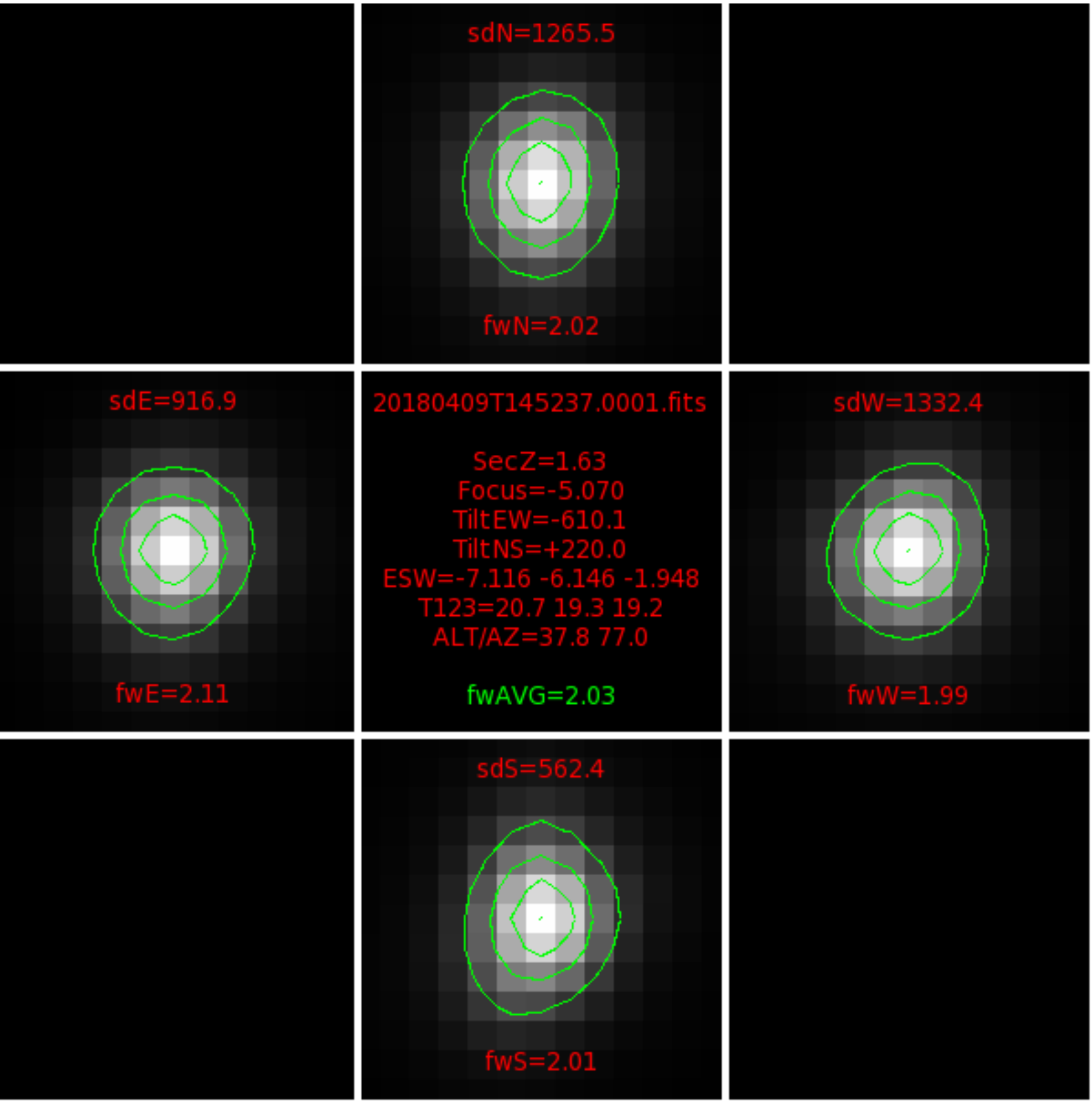
sdN=1265.5
fwN=2.02
sdE=916.9
fwE=2.11
20180409T145237.0001.fits
SecZ=1.63
Focus=-5.070
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.116 -6.146 -1.948
T123=20.7 19.3 19.2
ALT/AZ=37.8 77.0
fwAVG=2.03
sdW=1332.4
fwW=1.99
sdS=562.4
fwS=2.01
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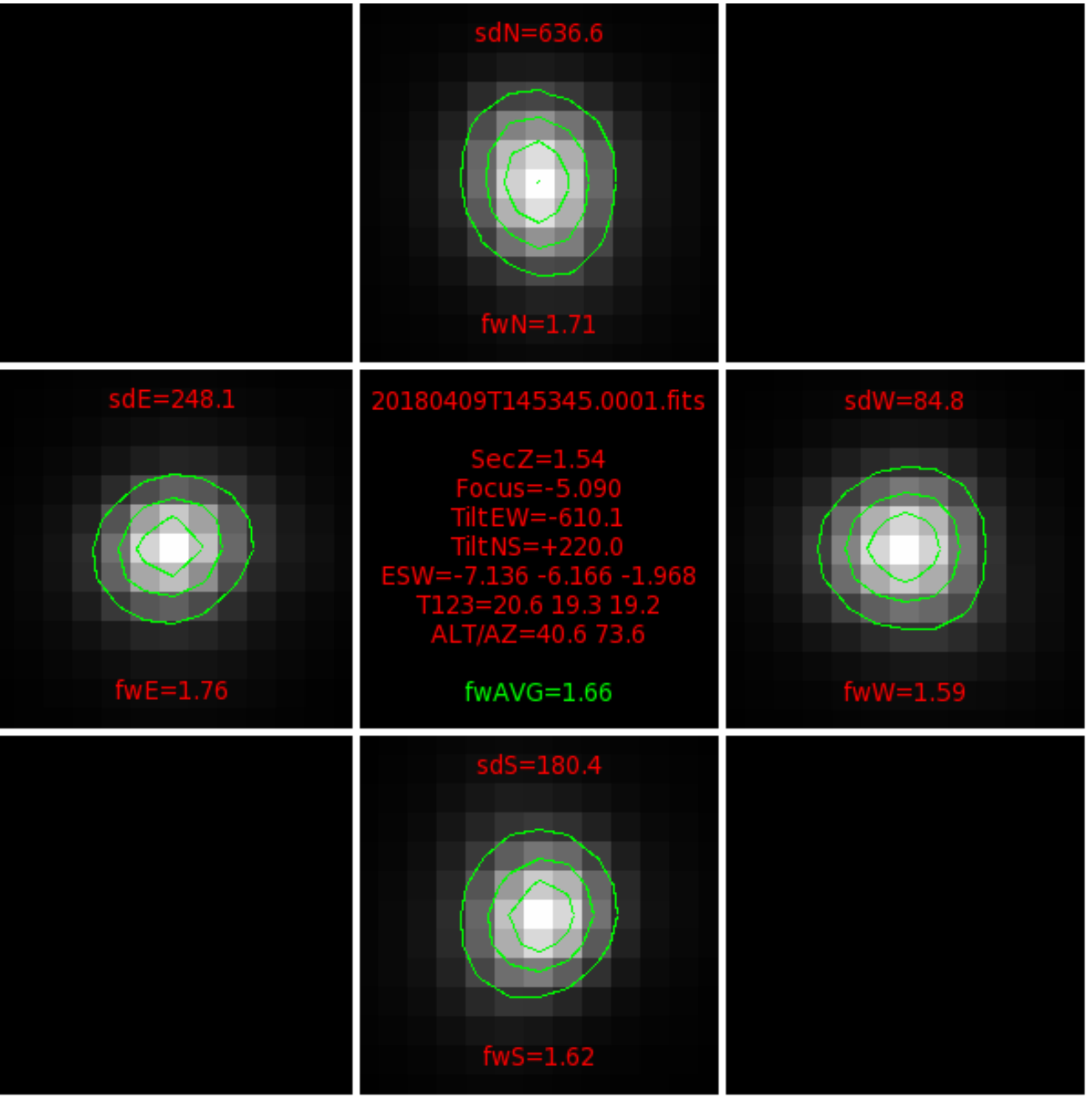
sdN=636.6
fwN=1.71
sdE=248.1
fwE=1.76
20180409T145345.0001.fits
SecZ=1.54
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.6 19.3 19.2
ALT/AZ=40.6 73.6
fwAVG=1.66
sdW=84.8
fwW=1.59
sdS=180.4
fwS=1.62
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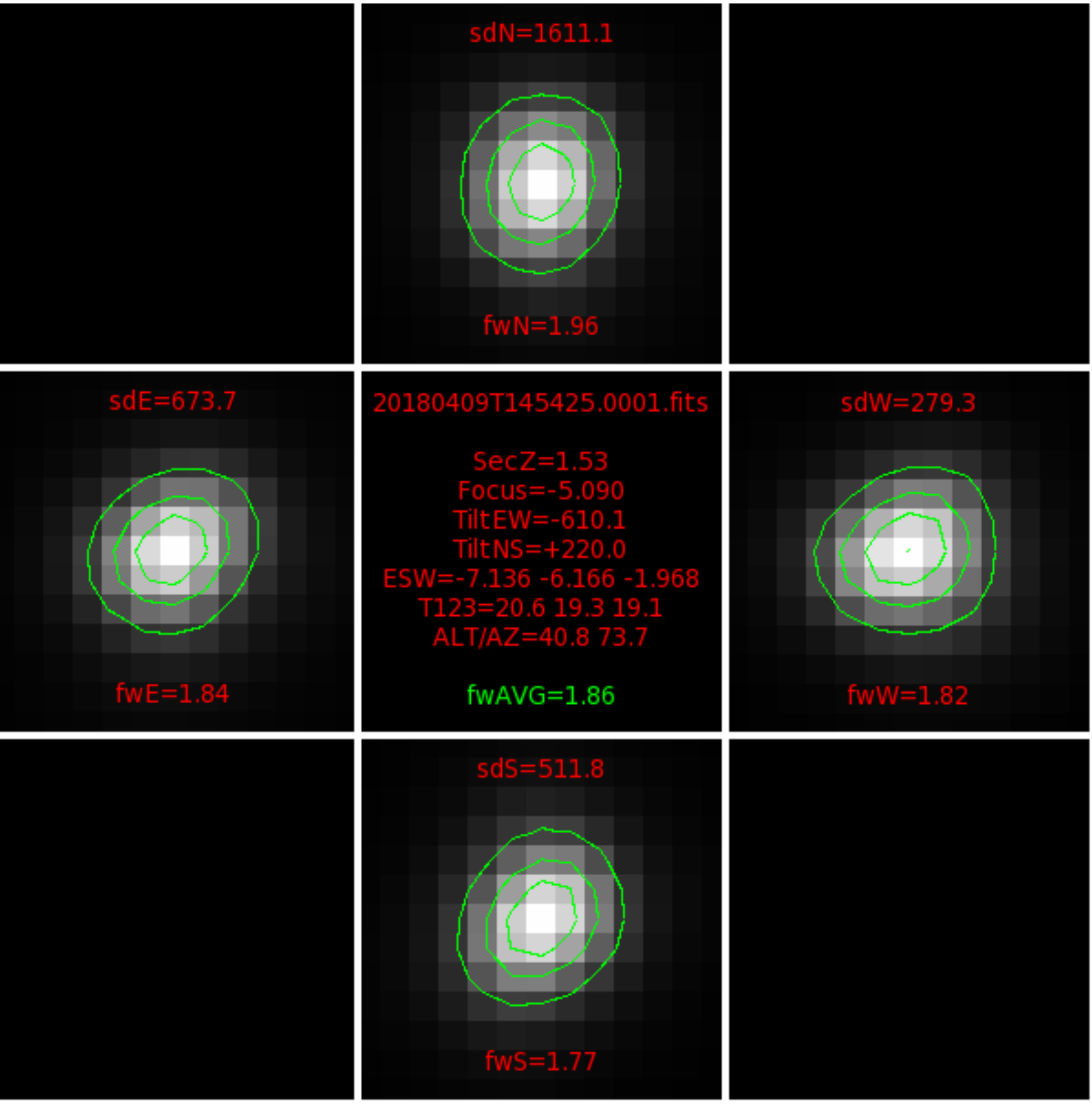
sdN=1611.1
fwN=1.96
sdE=673.7
fwE=1.84
20180409T145425.0001.fits
SecZ=1.53
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.6 19.3 19.1
ALT/AZ=40.8 73.7
fwAVG=1.86
sdW=279.3
fwW=1.82
sdS=511.8
fwS=1.77
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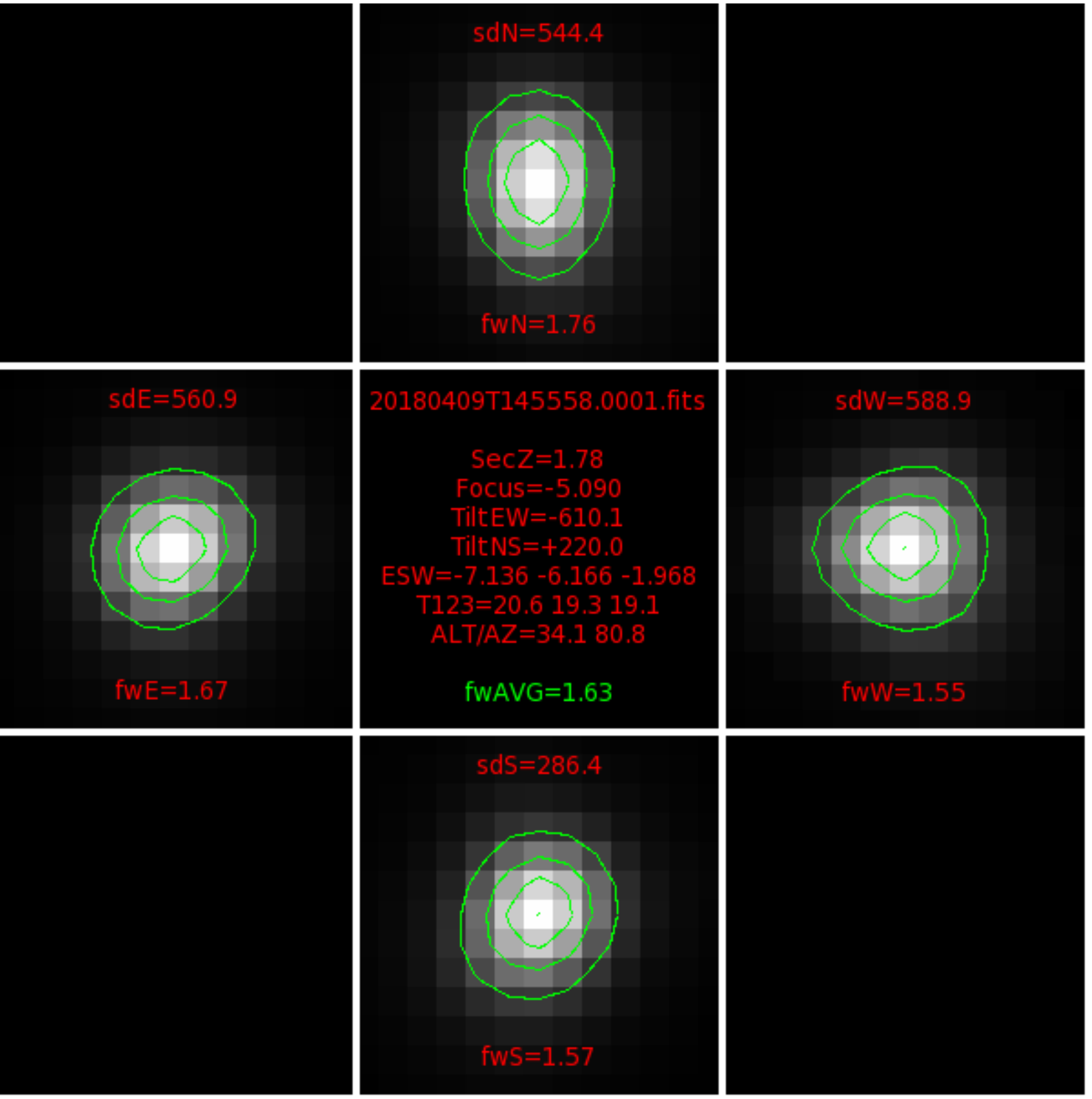
sdN=544.4
fwN=1.76
sdE=560.9
fwE=1.67
20180409T145558.0001.fits
SecZ=1.78
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.6 19.3 19.1
ALT/AZ=34.1 80.8
fwAVG=1.63
sdW=588.9
fwW=1.55
sdS=286.4
fwS=1.57
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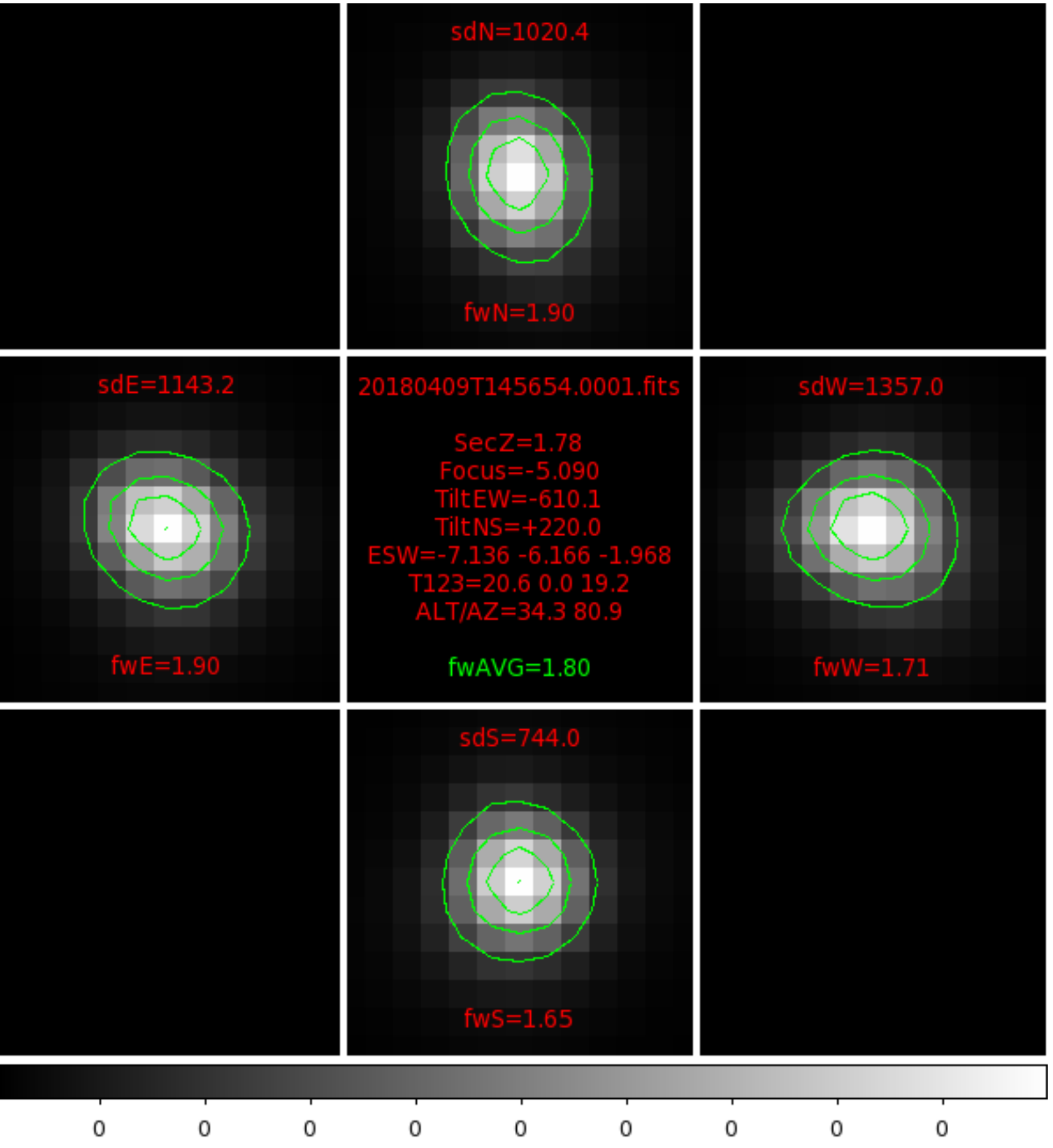
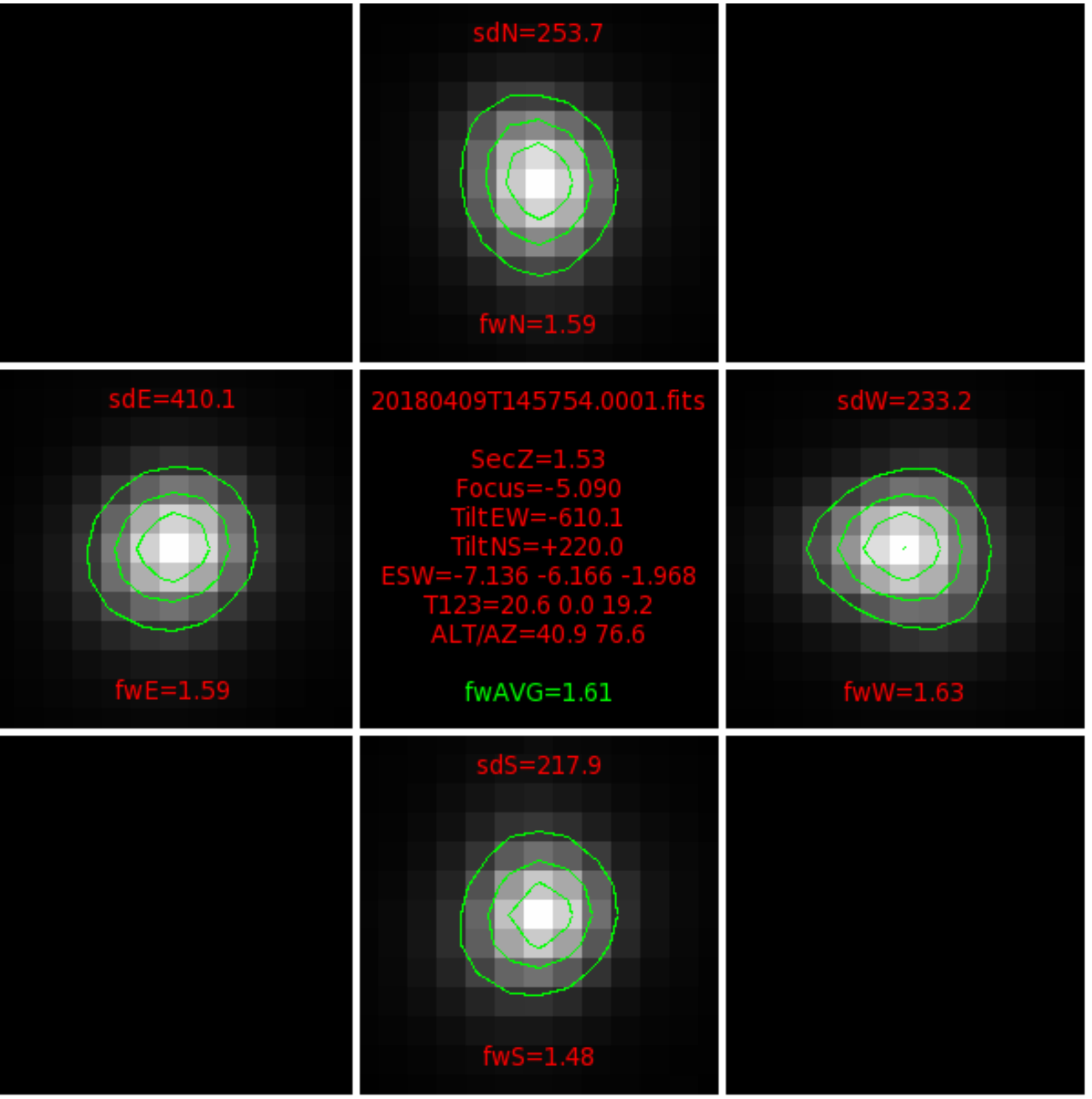
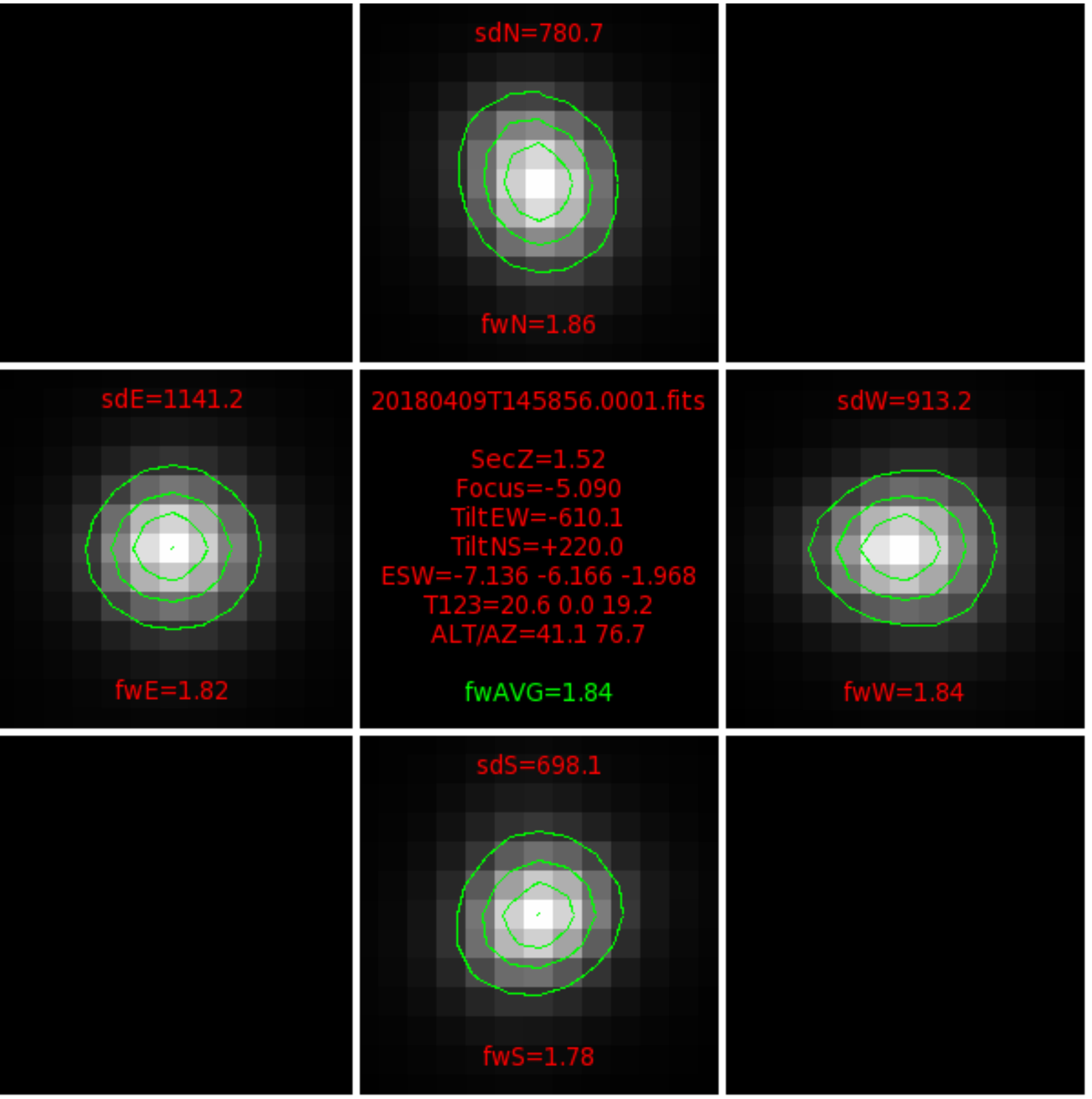

sdN=1020.4
fwN=1.90
sdE=1143.2
fwE=1.90
20180409T145654.0001.fits
SecZ=1.78
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.6 0.0 19.2
ALT/AZ=34.3 80.9
fwAVG=1.80
sdW=1357.0
fwW=1.71
sdS=744.0
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=253.7
fwN=1.59
sdE=410.1
fwE=1.59
20180409T145754.0001.fits
SecZ=1.53
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.6 0.0 19.2
ALT/AZ=40.9 76.6
fwAVG=1.61
sdW=233.2
fwW=1.63
sdS=217.9
fwS=1.48
0 0 0 0 0 0 0 0 0


sdN=780.7
fwN=1.86
sdE=1141.2
fwE=1.82
20180409T145856.0001.fits
SecZ=1.52
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.6 0.0 19.2
ALT/AZ=41.1 76.7
fwAVG=1.84
sdW=913.2
fwW=1.84
sdS=698.1
fwS=1.78
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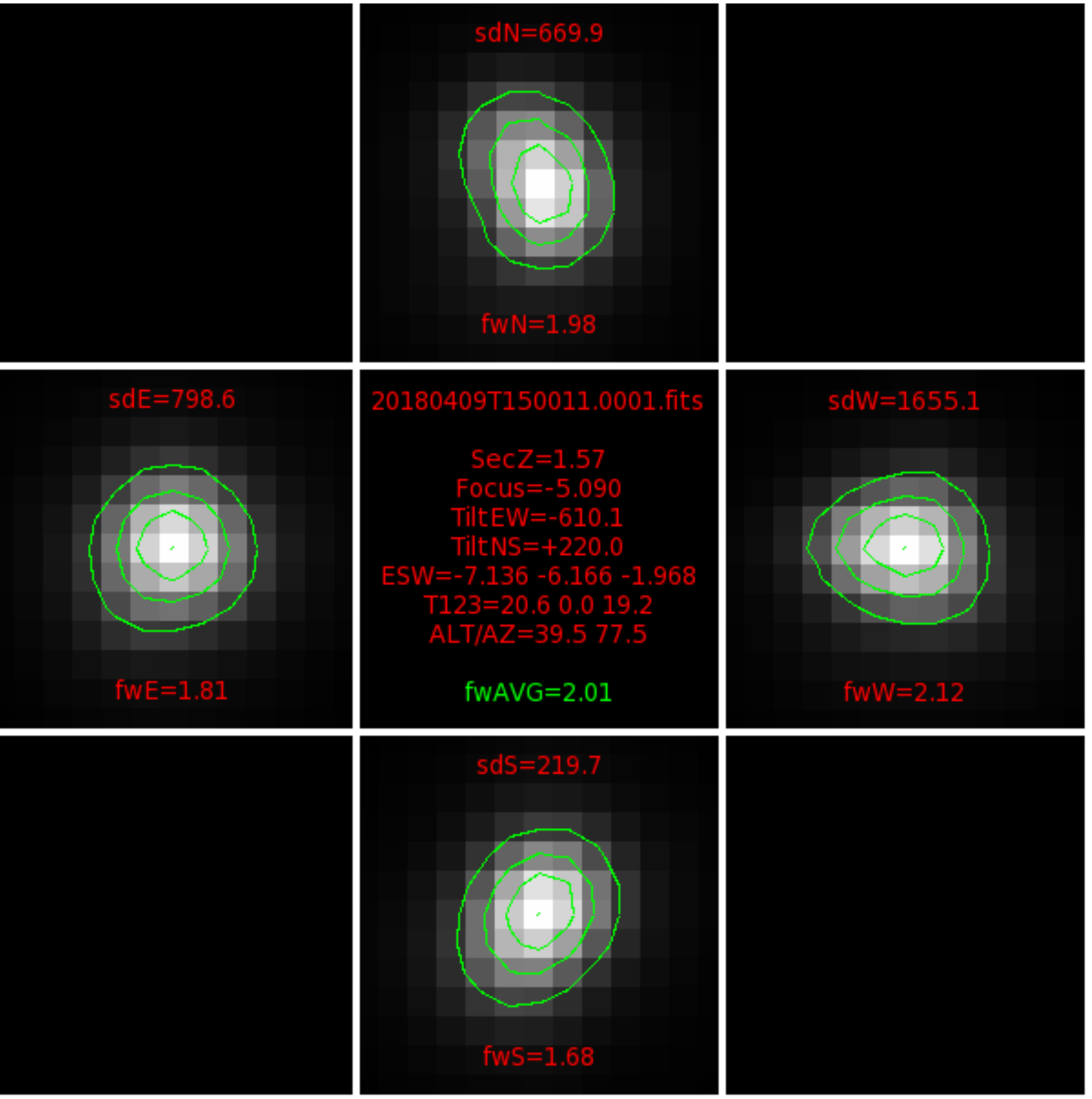
sdN=669.9
fwN=1.98
sdE=798.6
fwE=1.81
20180409T150011.0001.fits
SecZ=1.57
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.6 0.0 19.2
ALT/AZ=39.5 77.5
fwAVG=2.01
sdW=1655.1
fwW=2.12
sdS=219.7
fwS=1.68
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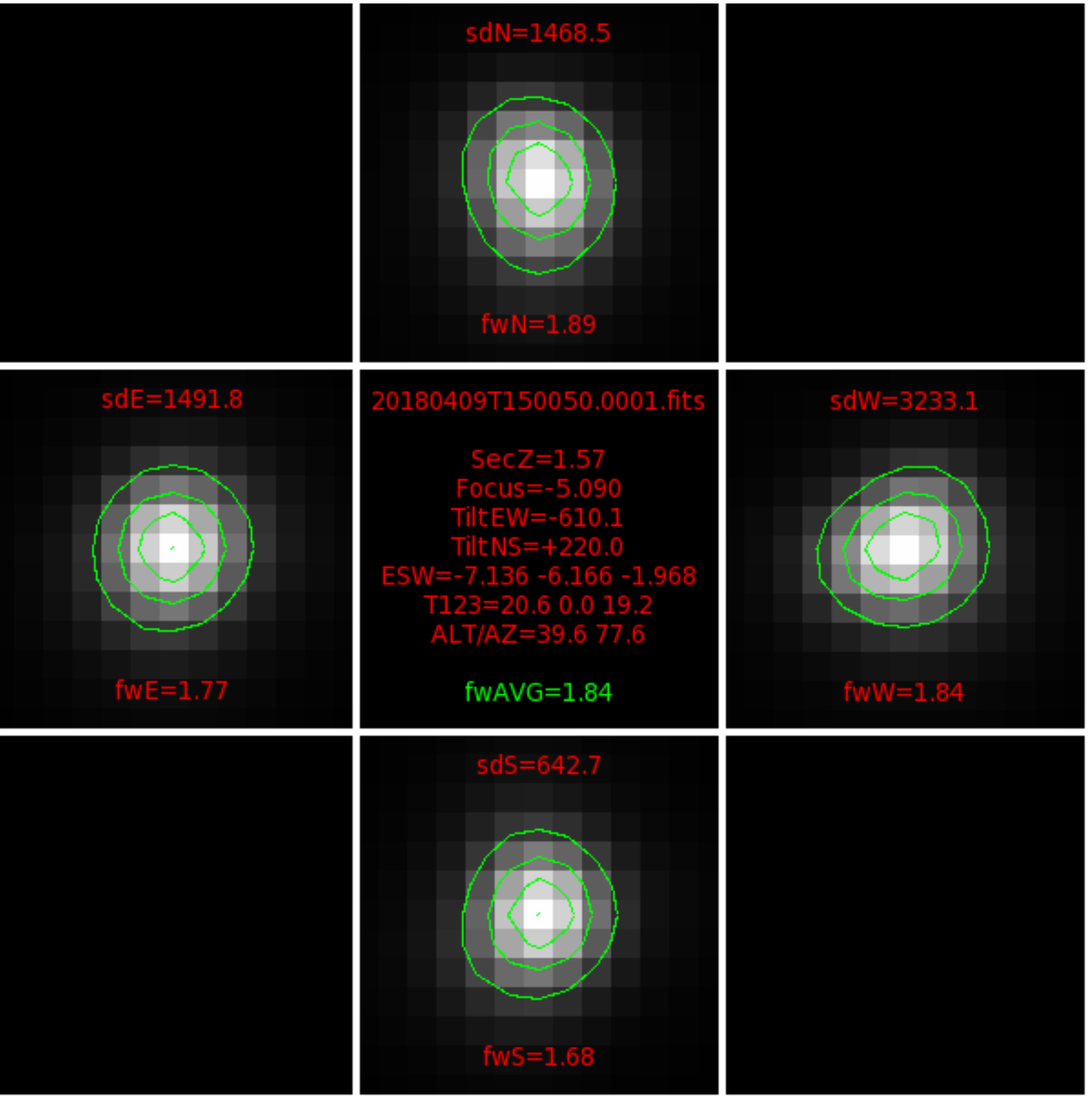
sdN=1468.5
fwN=1.89
sdE=1491.8
fwE=1.77
20180409T150050.0001.fits
SecZ=1.57
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.6 0.0 19.2
ALT/AZ=39.6 77.6
fwAVG=1.84
sdW=3233.1
fwW=1.84
sdS=642.7
fwS=1.68
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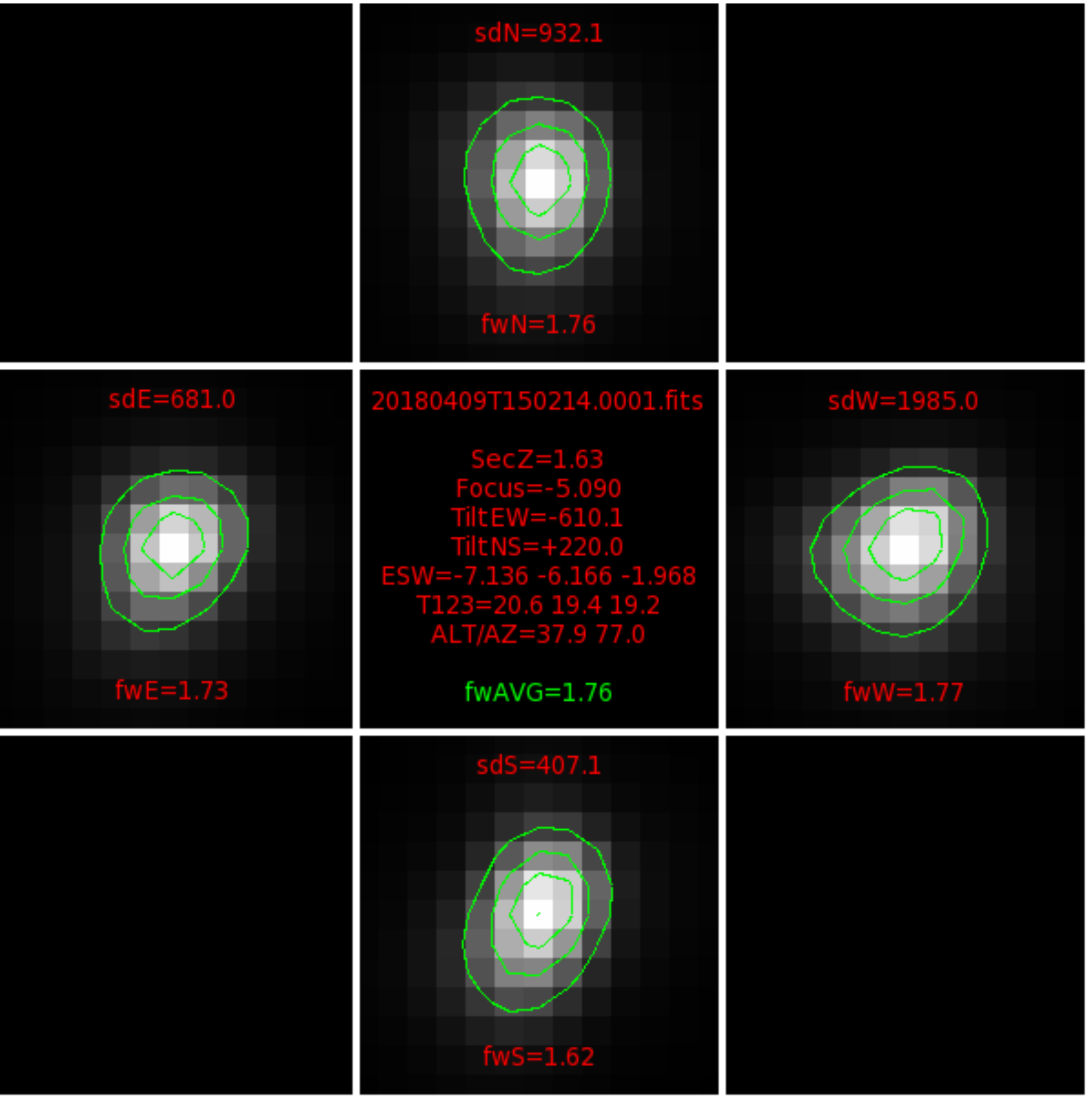
sdN=932.1
fwN=1.76
sdE=681.0
fwE=1.73
20180409T150214.0001.fits
SecZ=1.63
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.6 19.4 19.2
ALT/AZ=37.9 77.0
fwAVG=1.76
sdW=1985.0
fwW=1.77
sdS=407.1
fwS=1.62
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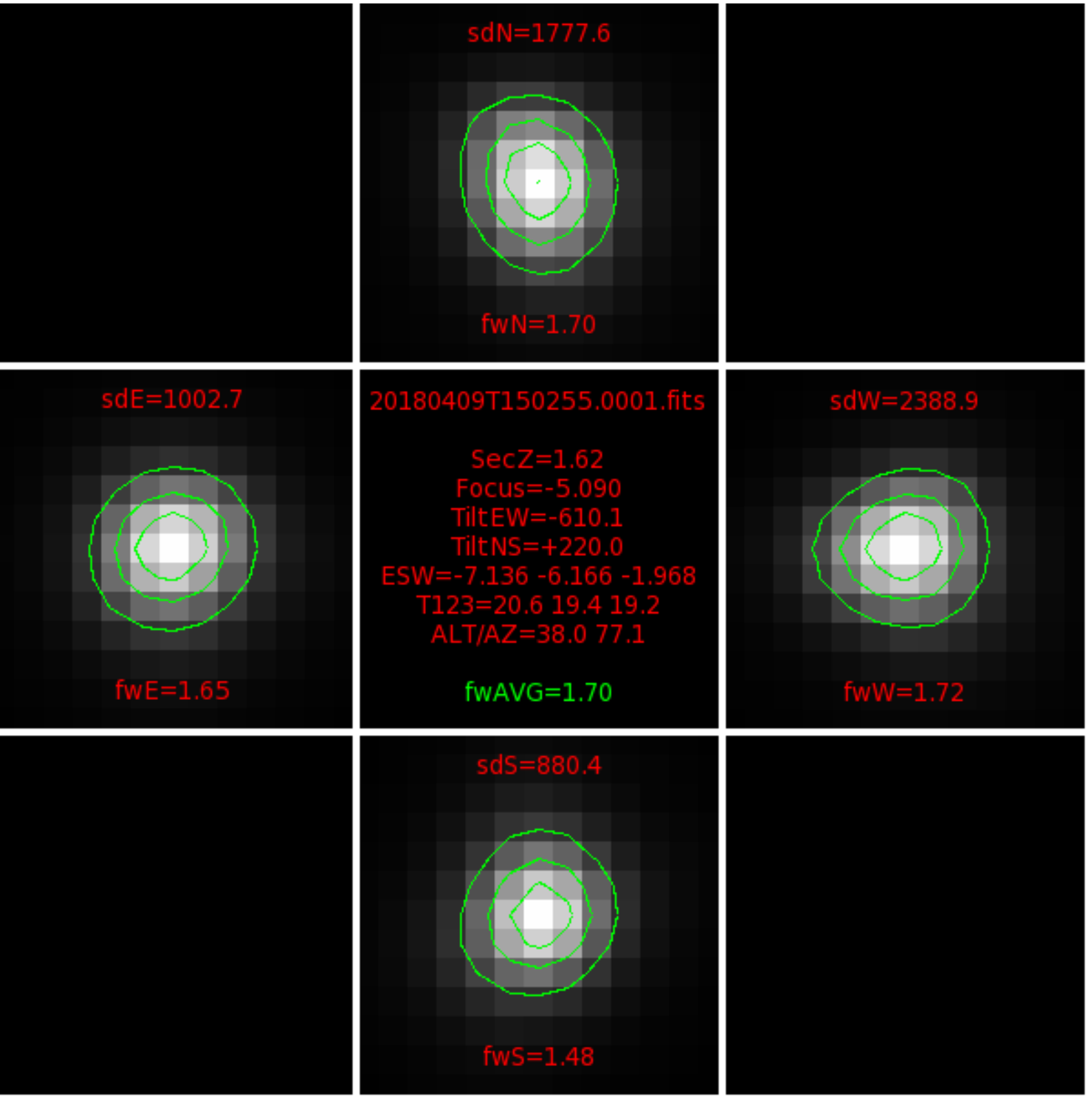
sdN=1777.6
fwN=1.70
sdE=1002.7
fwE=1.65
20180409T150255.0001.fits
SecZ=1.62
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.6 19.4 19.2
ALT/AZ=38.0 77.1
fwAVG=1.70
sdW=2388.9
fwW=1.72
sdS=880.4
fwS=1.48
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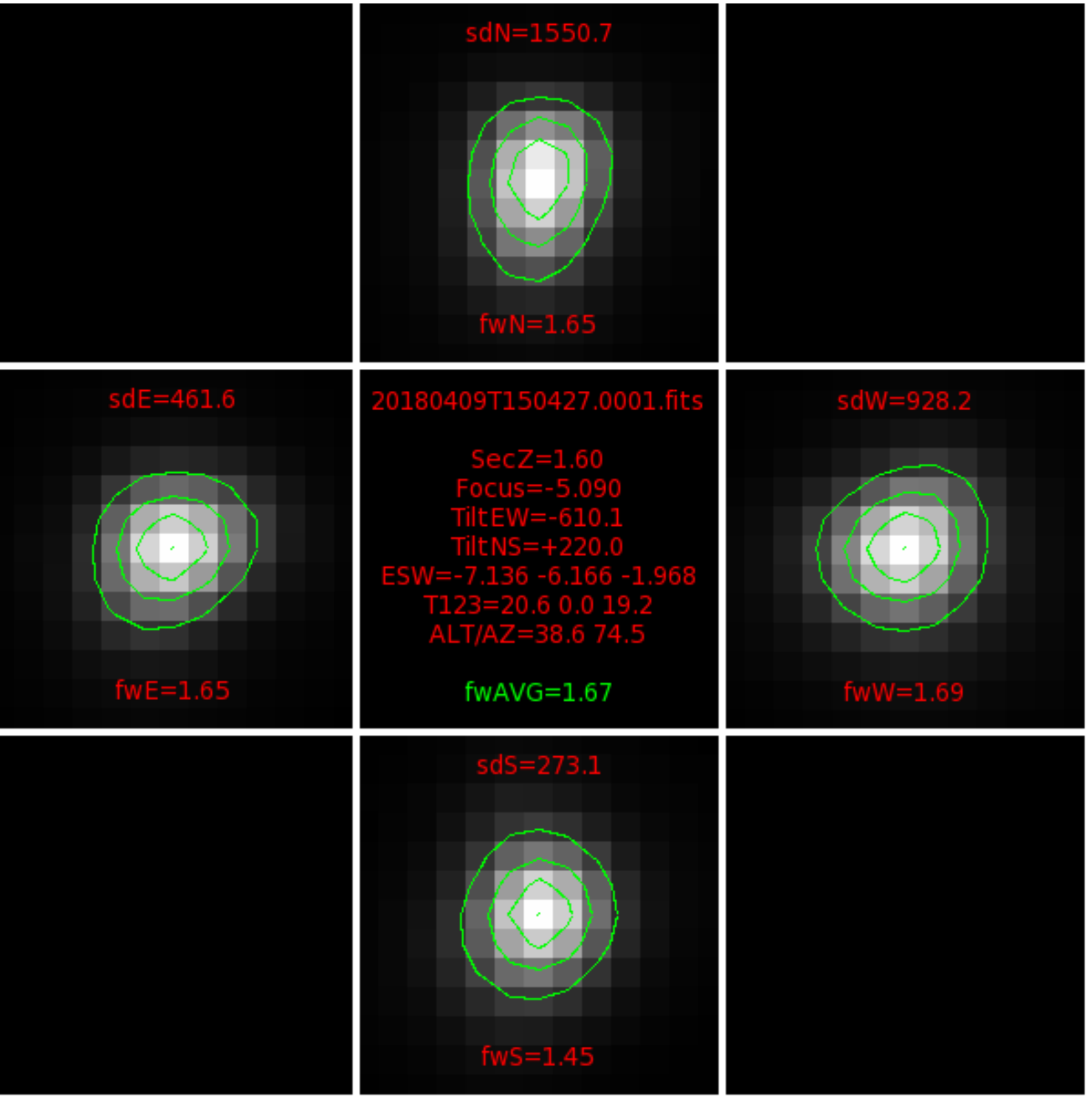
sdN=1550.7
fwN=1.65
sdE=461.6
fwE=1.65
20180409T150427.0001.fits
SecZ=1.60
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.6 0.0 19.2
ALT/AZ=38.6 74.5
fwAVG=1.67
sdW=928.2
fwW=1.69
sdS=273.1
fwS=1.45
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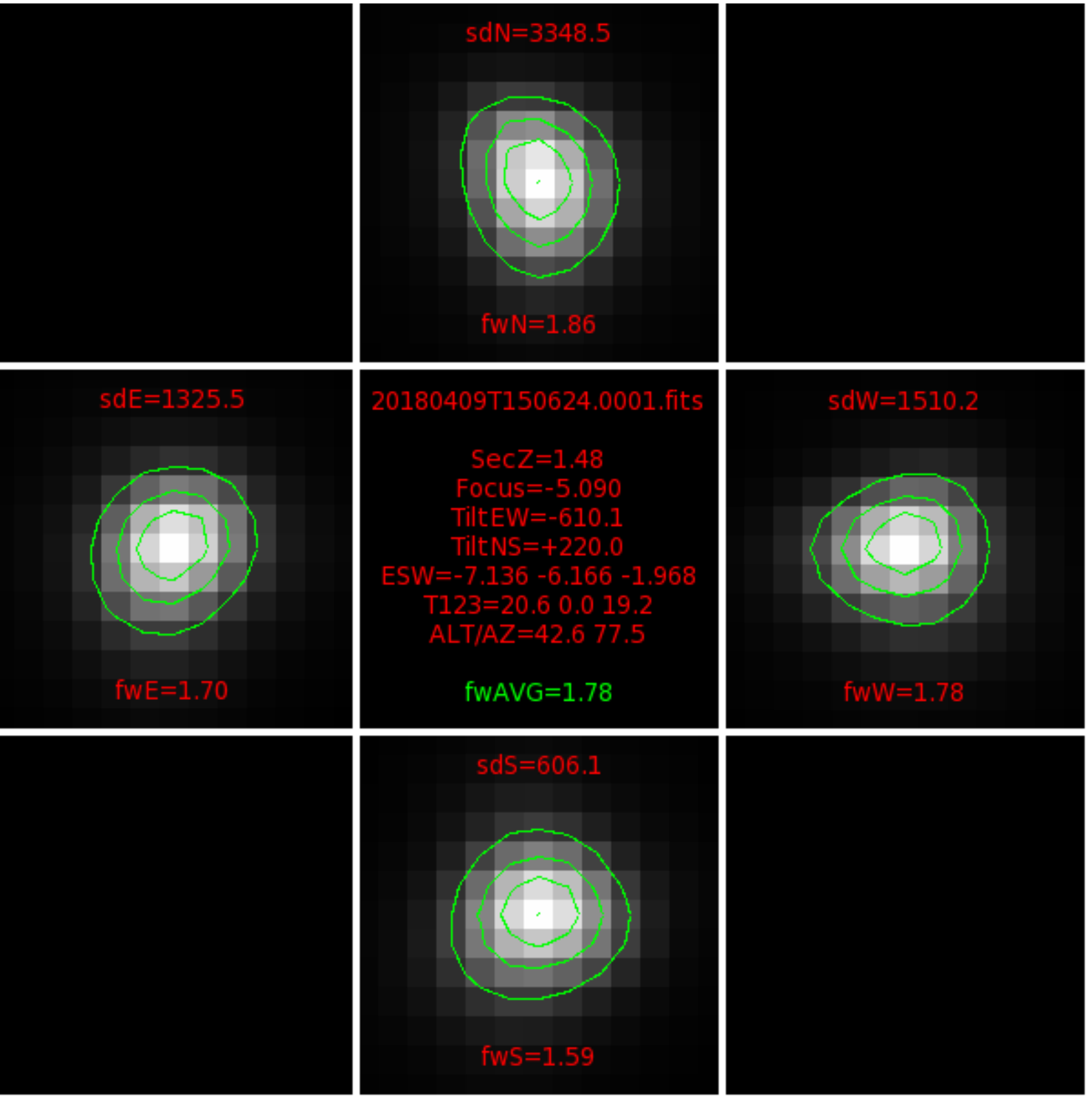
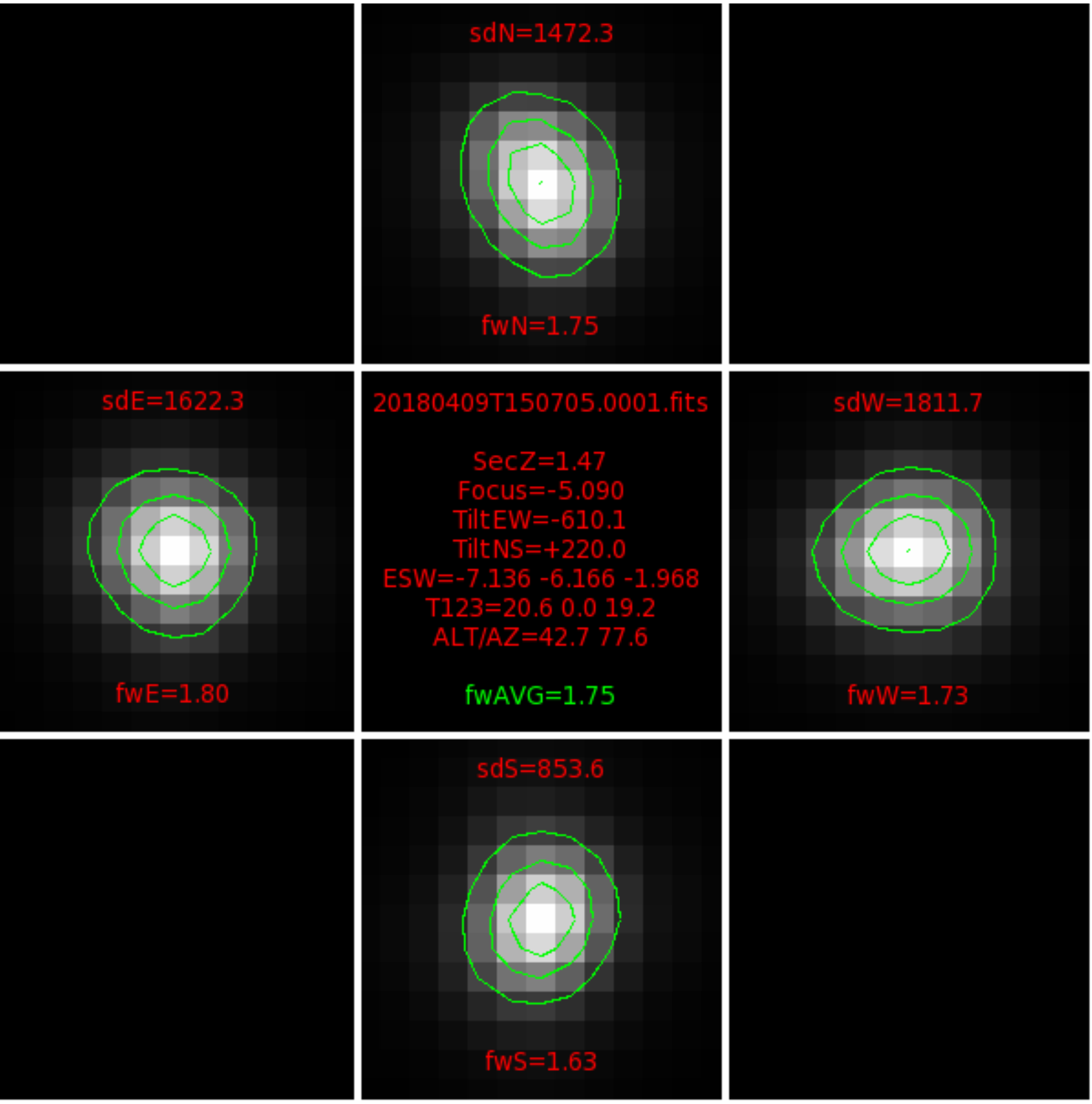

sdN=3348.5
fwN=1.86
sdE=1325.5
fwE=1.70
20180409T150624.0001.fits
SecZ=1.48
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.6 0.0 19.2
ALT/AZ=42.6 77.5
fwAVG=1.78
sdW=1510.2
fwW=1.78
sdS=606.1
fwS=1.59
0 0 0 0 0 0 0 0 0


sdN=1472.3
fwN=1.75
sdE=1622.3
fwE=1.80
20180409T150705.0001.fits
SecZ=1.47
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.6 0.0 19.2
ALT/AZ=42.7 77.6
fwAVG=1.75
sdW=1811.7
fwW=1.73
sdS=853.6
fwS=1.63
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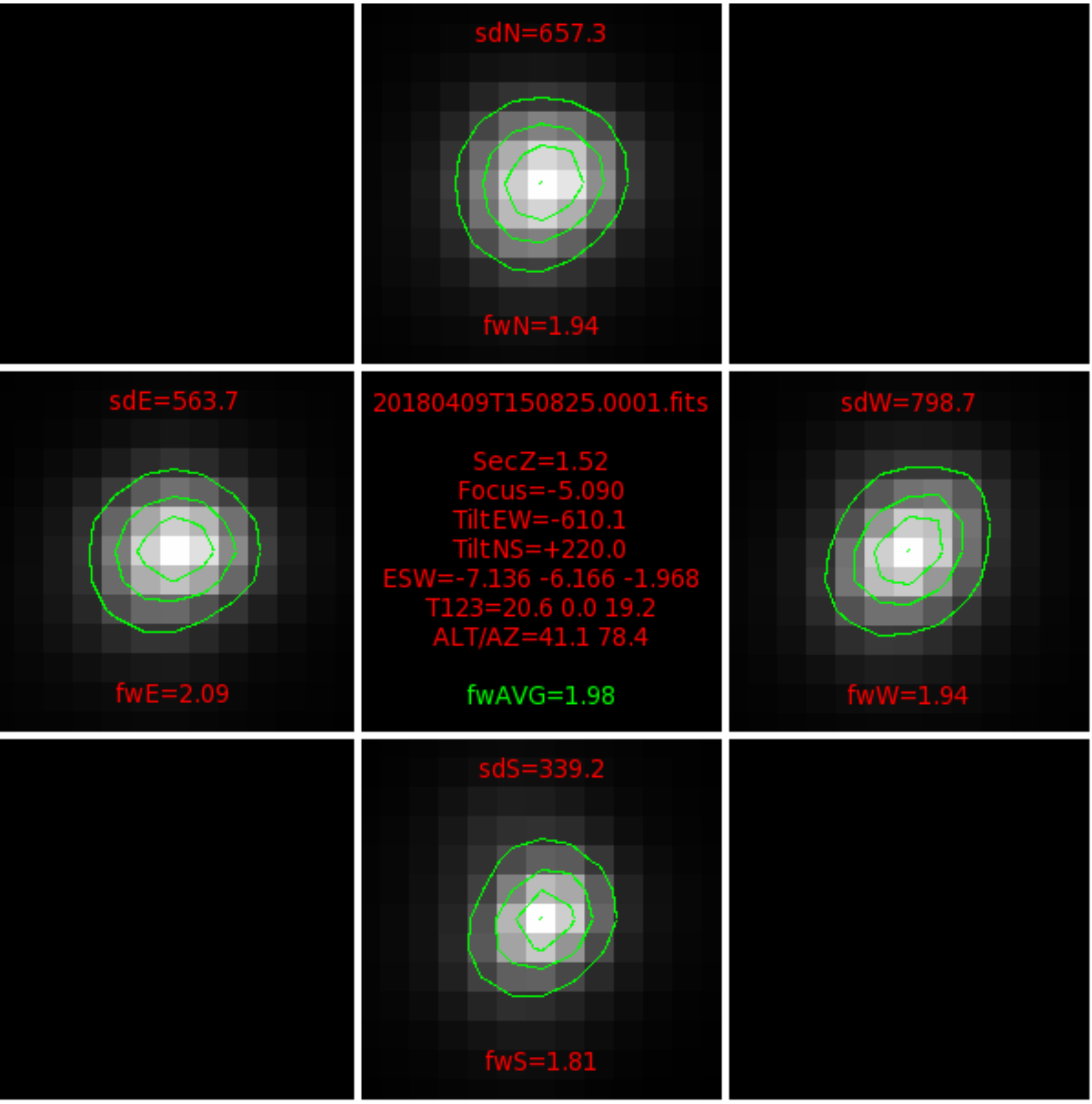
sdN=657.3
fwN=1.94
sdE=563.7
fwE=2.09
20180409T150825.0001.fits
SecZ=1.52
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.6 0.0 19.2
ALT/AZ=41.1 78.4
fwAVG=1.98
sdW=798.7
fwW=1.94
sdS=339.2
fwS=1.81
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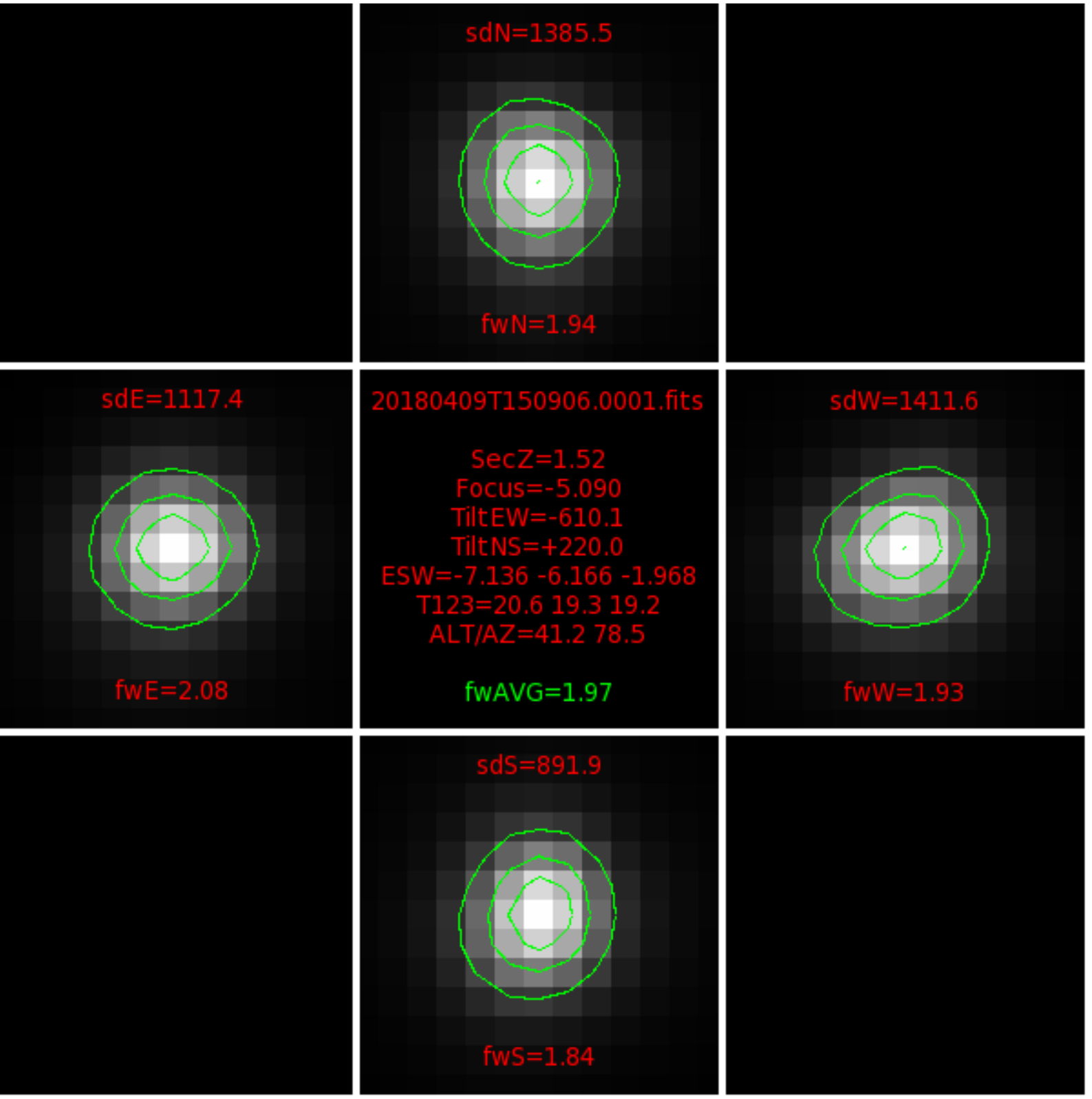
sdN=1385.5
fwN=1.94
sdE=1117.4
fwE=2.08
20180409T150906.0001.fits
SecZ=1.52
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.6 19.3 19.2
ALT/AZ=41.2 78.5
fwAVG=1.97
sdW=1411.6
fwW=1.93
sdS=891.9
fwS=1.84
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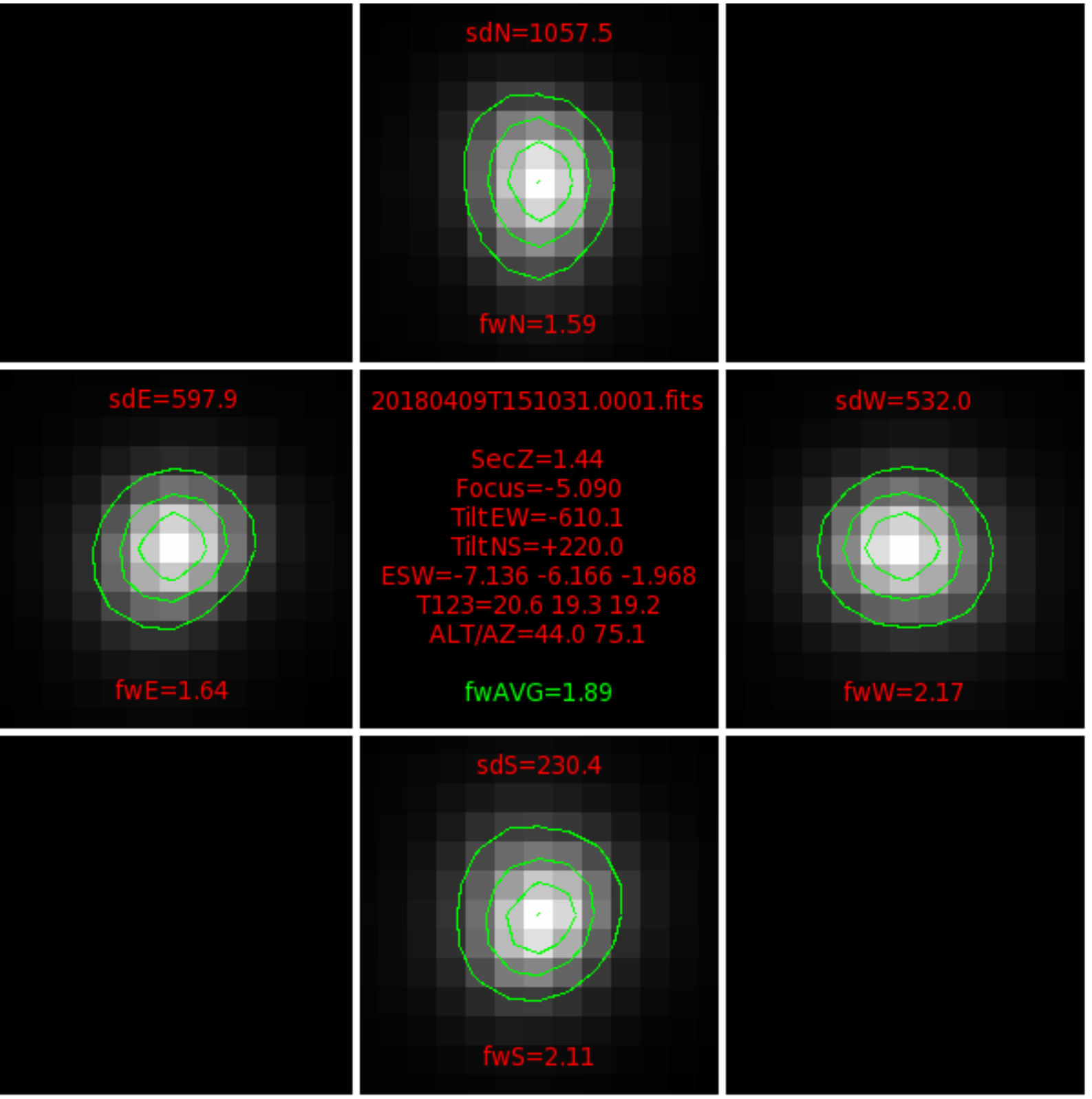
sdN=1057.5
fwN=1.59
sdE=597.9
fwE=1.64
20180409T151031.0001.fits
SecZ=1.44
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.6 19.3 19.2
ALT/AZ=44.0 75.1
fwAVG=1.89
sdW=532.0
fwW=2.17
sdS=230.4
fwS=2.11
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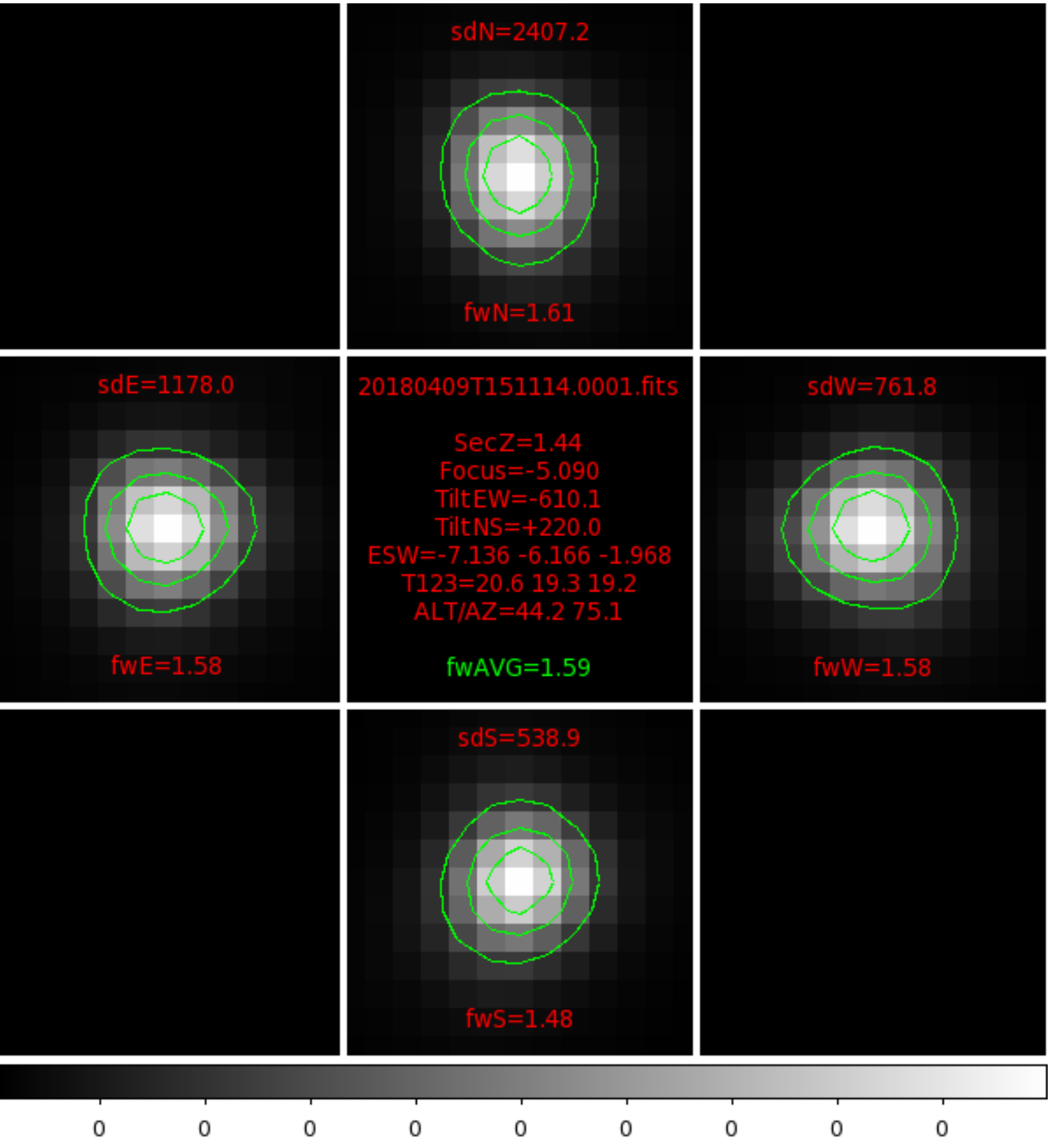
sdN=2407.2
fwN=1.61
sdE=1178.0
fwE=1.58
20180409T151114.0001.fits
SecZ=1.44
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.6 19.3 19.2
ALT/AZ=44.2 75.1
fwAVG=1.59
sdW=761.8
fwW=1.58
sdS=538.9
fwS=1.48
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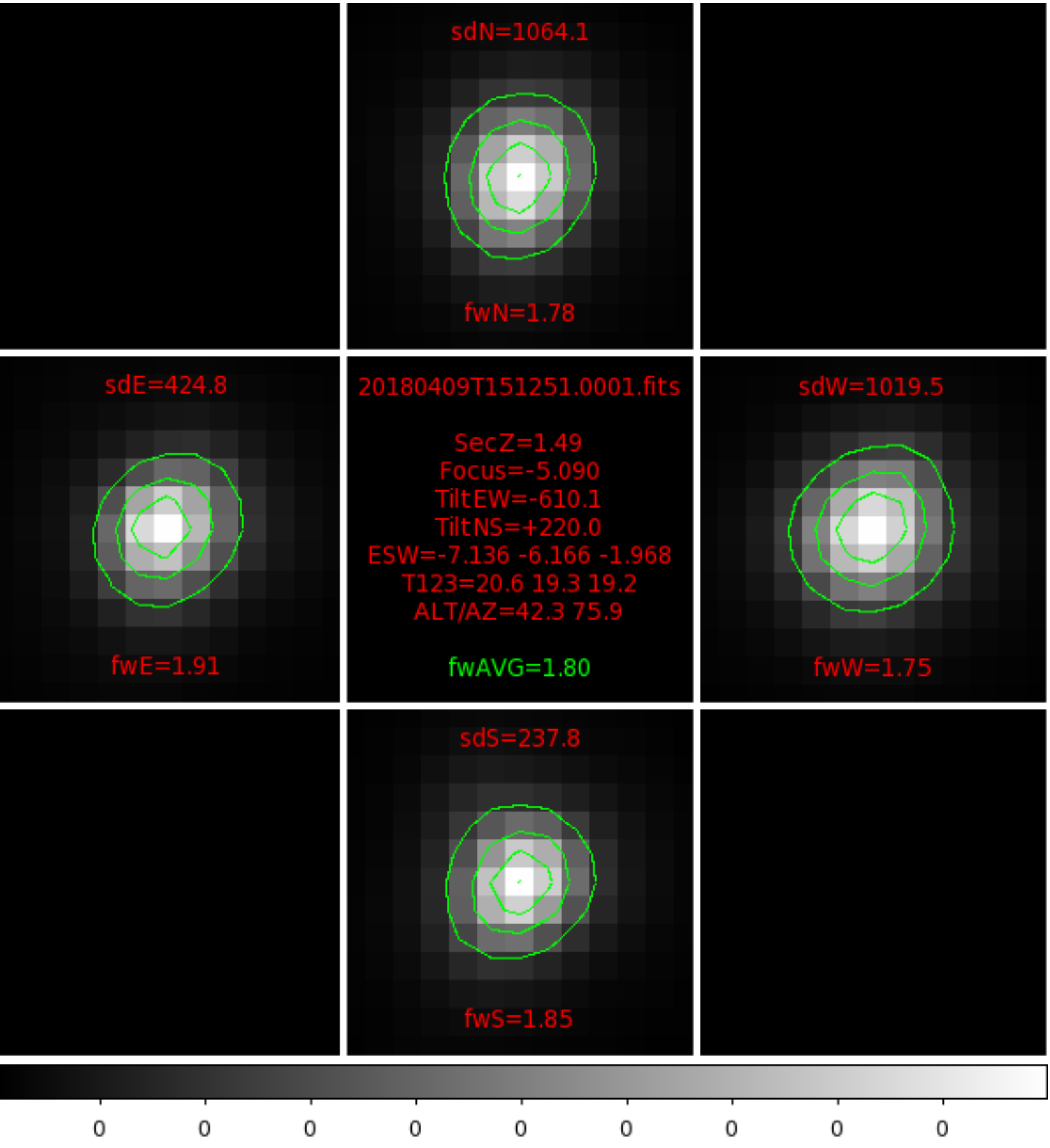
sdN=1064.1
fwN=1.78
sdE=424.8
fwE=1.91
20180409T151251.0001.fits
SecZ=1.49
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.6 19.3 19.2
ALT/AZ=42.3 75.9
fwAVG=1.80
sdW=1019.5
fwW=1.75
sdS=237.8
fwS=1.85
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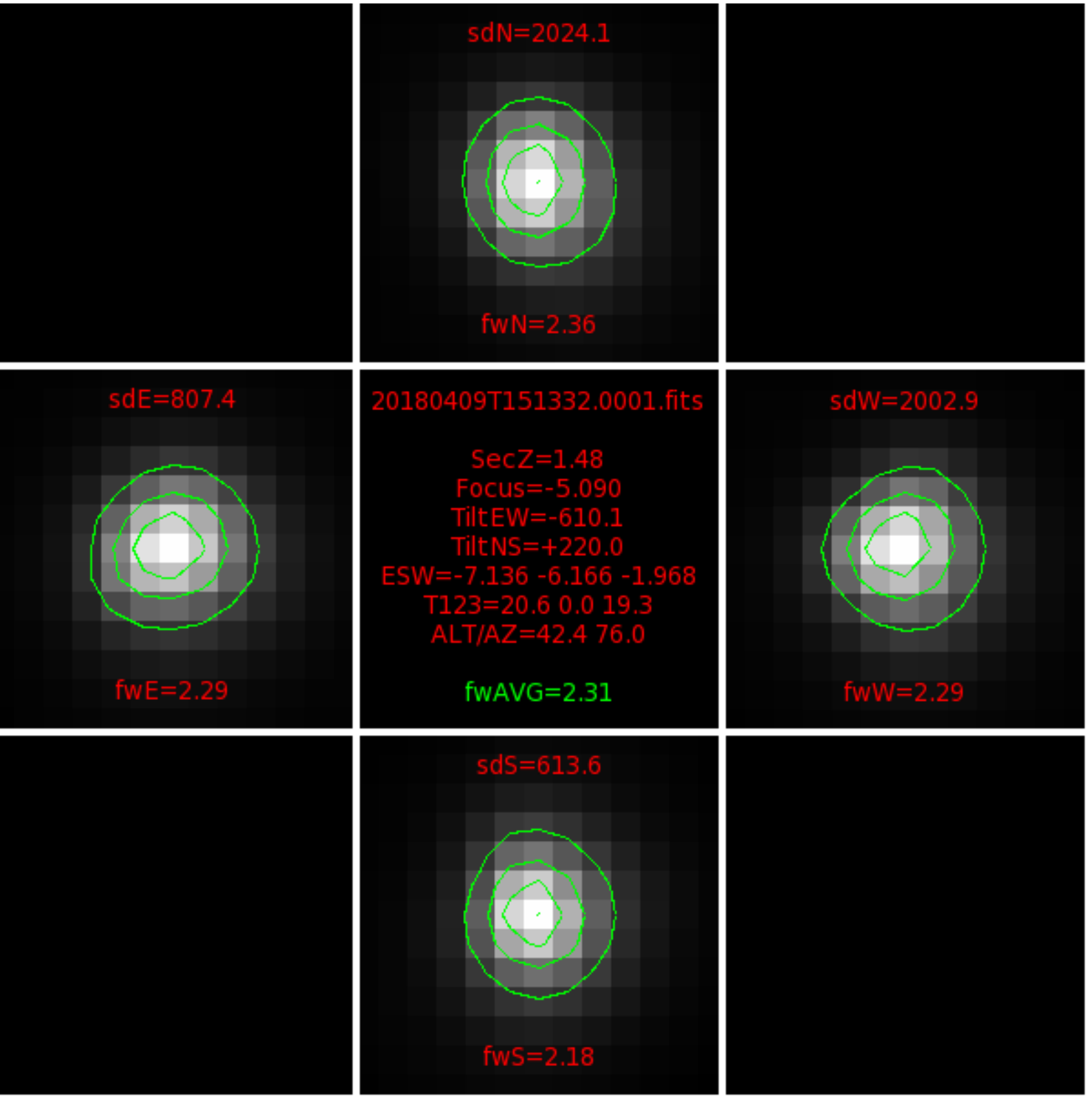
sdN=2024.1
fwN=2.36
sdE=807.4
fwE=2.29
20180409T151332.0001.fits
SecZ=1.48
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.6 0.0 19.3
ALT/AZ=42.4 76.0
fwAVG=2.31
sdW=2002.9
fwW=2.29
sdS=613.6
fwS=2.18
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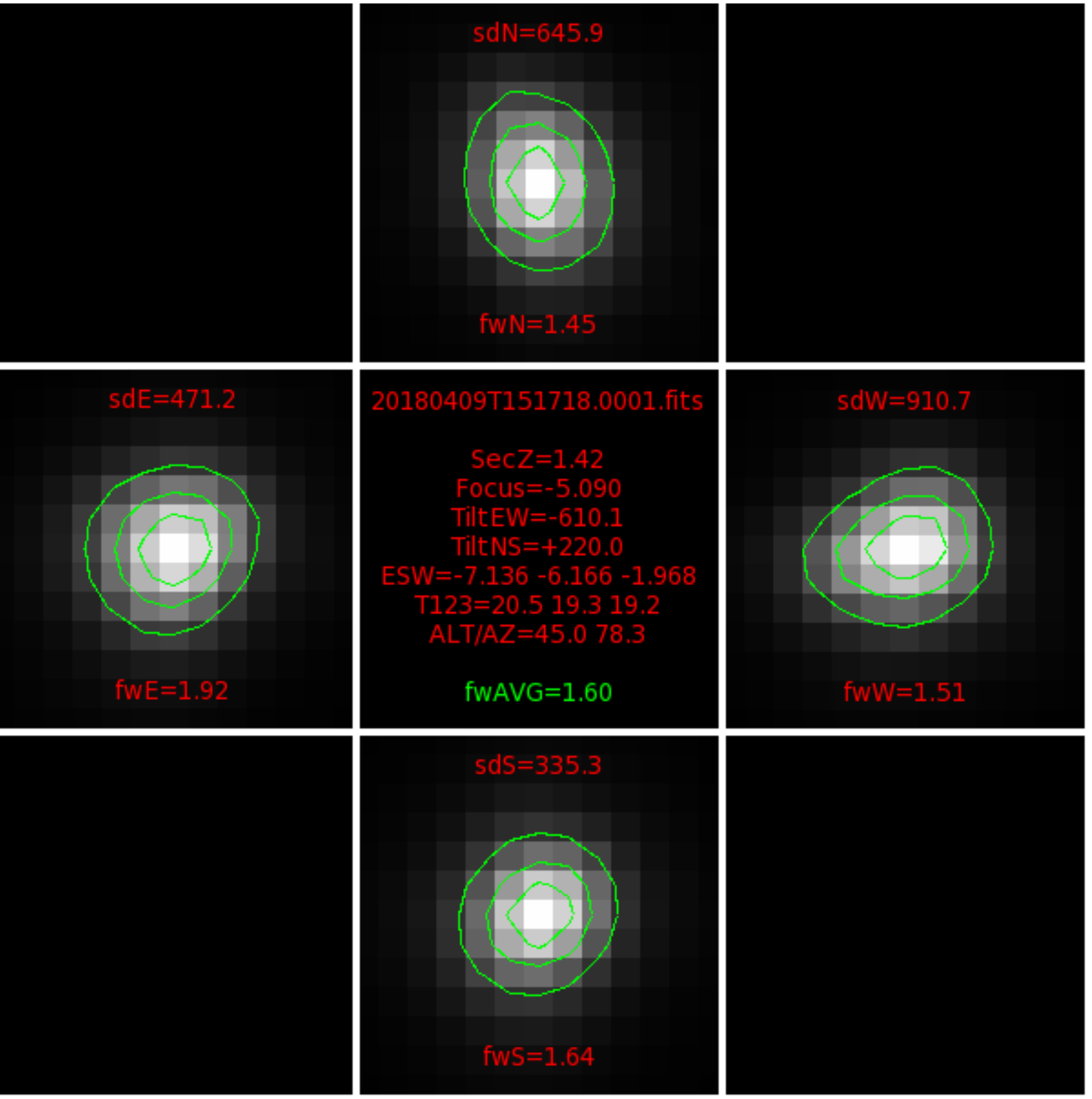
sdN=645.9
fwN=1.45
sdE=471.2
fwE=1.92
20180409T151718.0001.fits
SecZ=1.42
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.3 19.2
ALT/AZ=45.0 78.3
fwAVG=1.60
sdW=910.7
fwW=1.51
sdS=335.3
fwS=1.64
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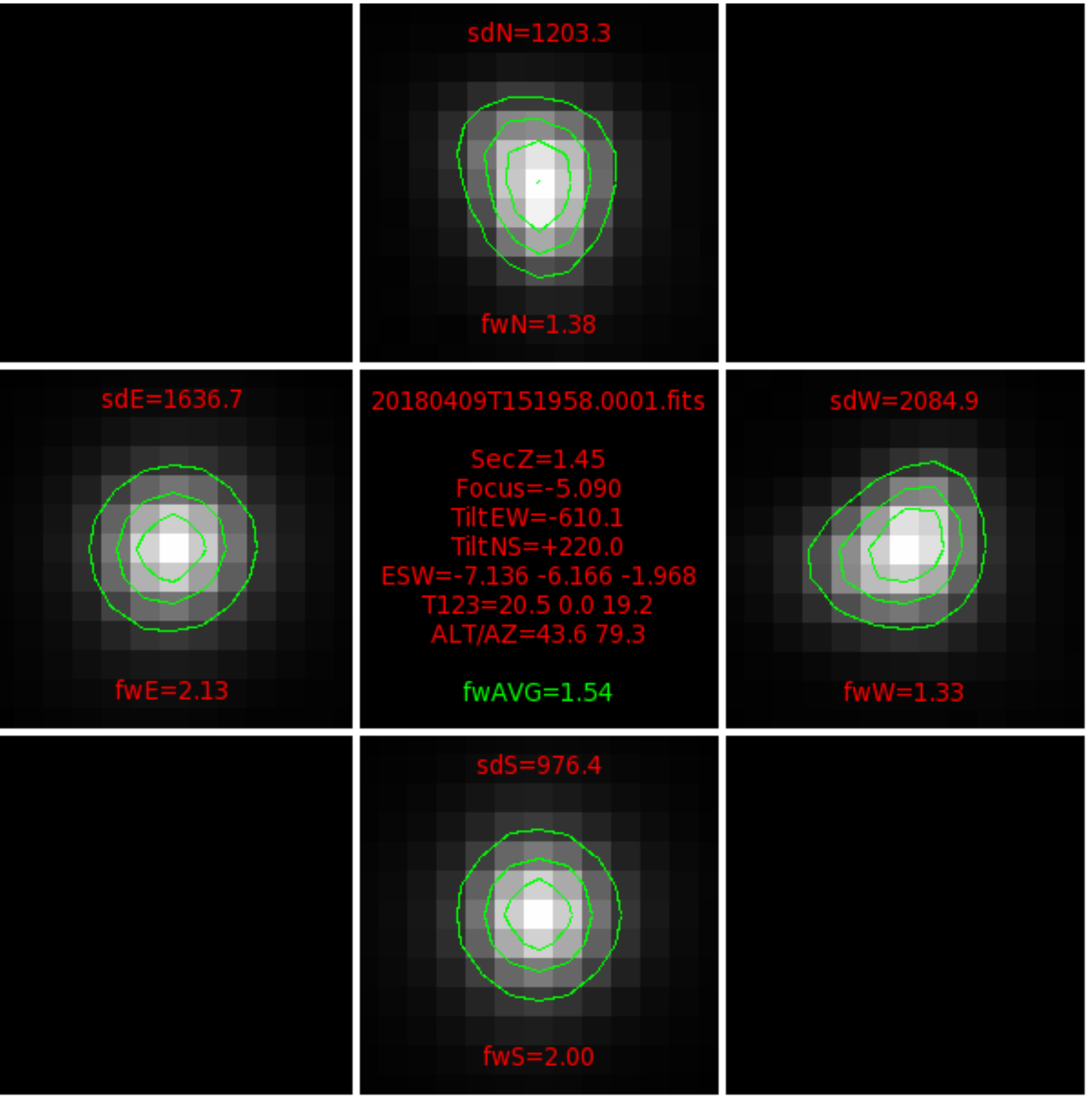
sdN=1203.3
fwN=1.38
sdE=1636.7
fwE=2.13
20180409T151958.0001.fits
SecZ=1.45
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.2
ALT/AZ=43.6 79.3
fwAVG=1.54
sdW=2084.9
fwW=1.33
sdS=976.4
fwS=2.00
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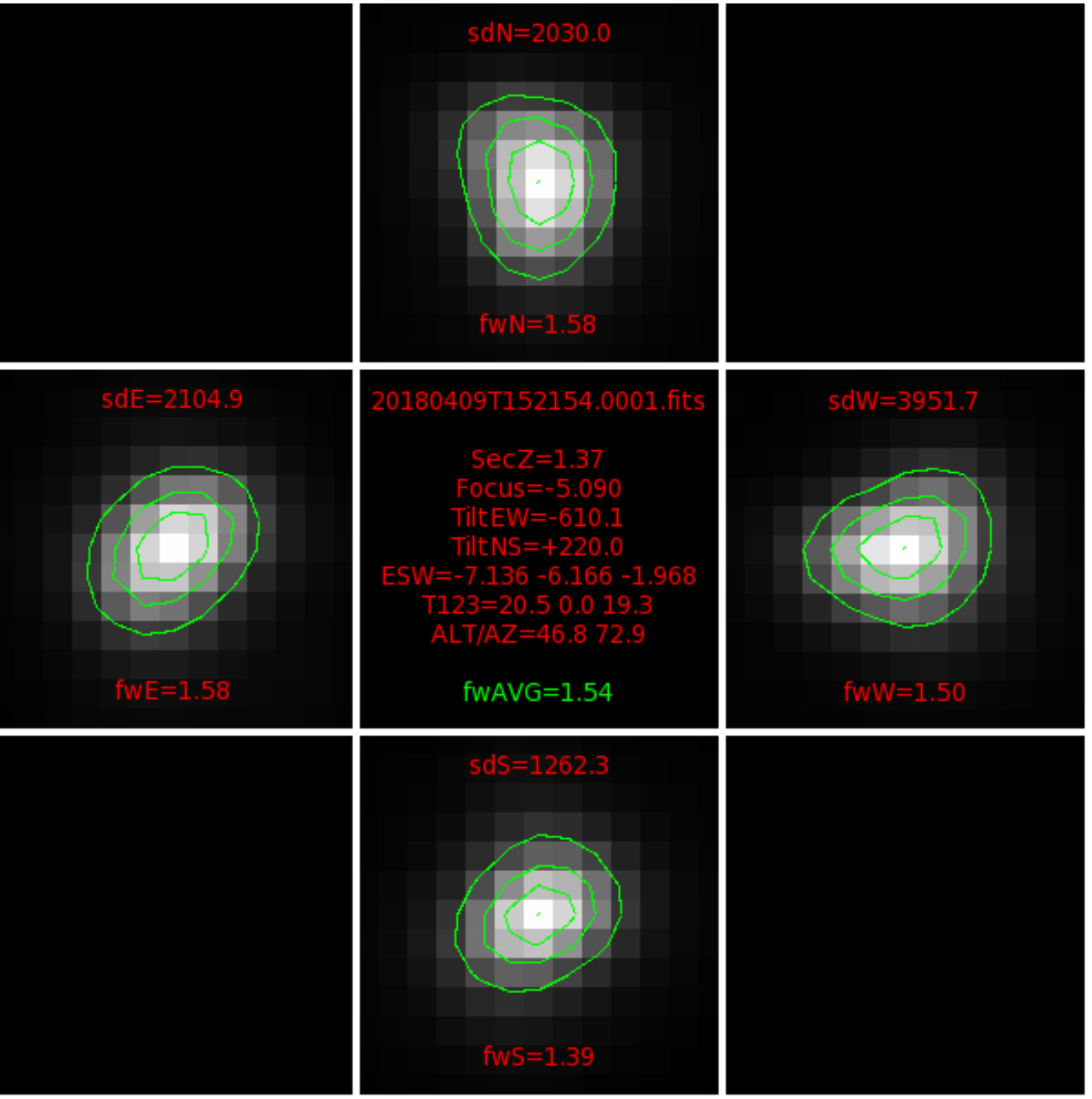
sdN=2030.0
fwN=1.58
sdE=2104.9
fwE=1.58
20180409T152154.0001.fits
SecZ=1.37
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.3
ALT/AZ=46.8 72.9
fwAVG=1.54
sdW=3951.7
fwW=1.50
sdS=1262.3
fwS=1.39
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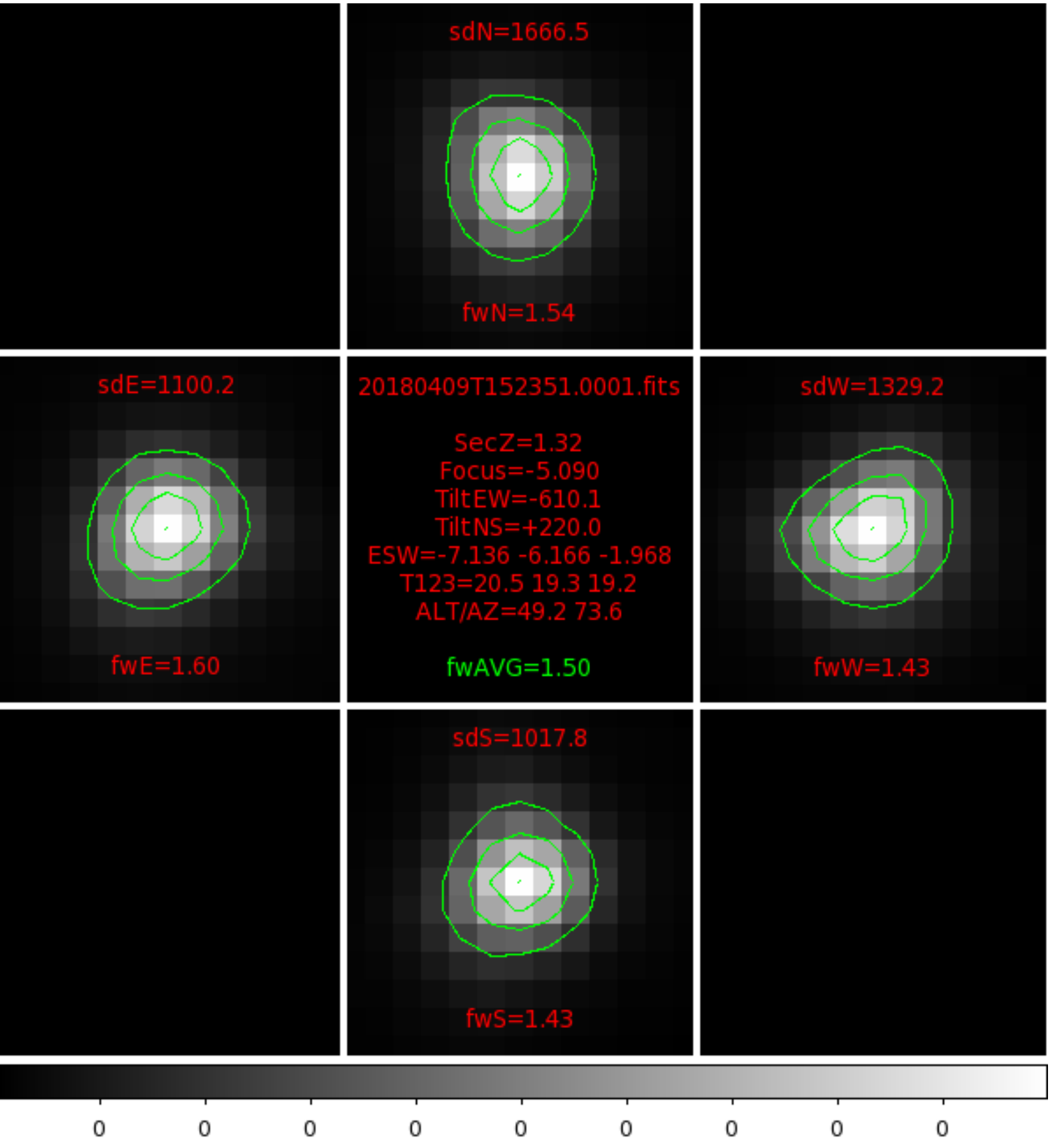
sdN=1666.5
fwN=1.54
sdE=1100.2
fwE=1.60
20180409T152351.0001.fits
SecZ=1.32
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.3 19.2
ALT/AZ=49.2 73.6
fwAVG=1.50
sdW=1329.2
fwW=1.43
sdS=1017.8
fwS=1.43
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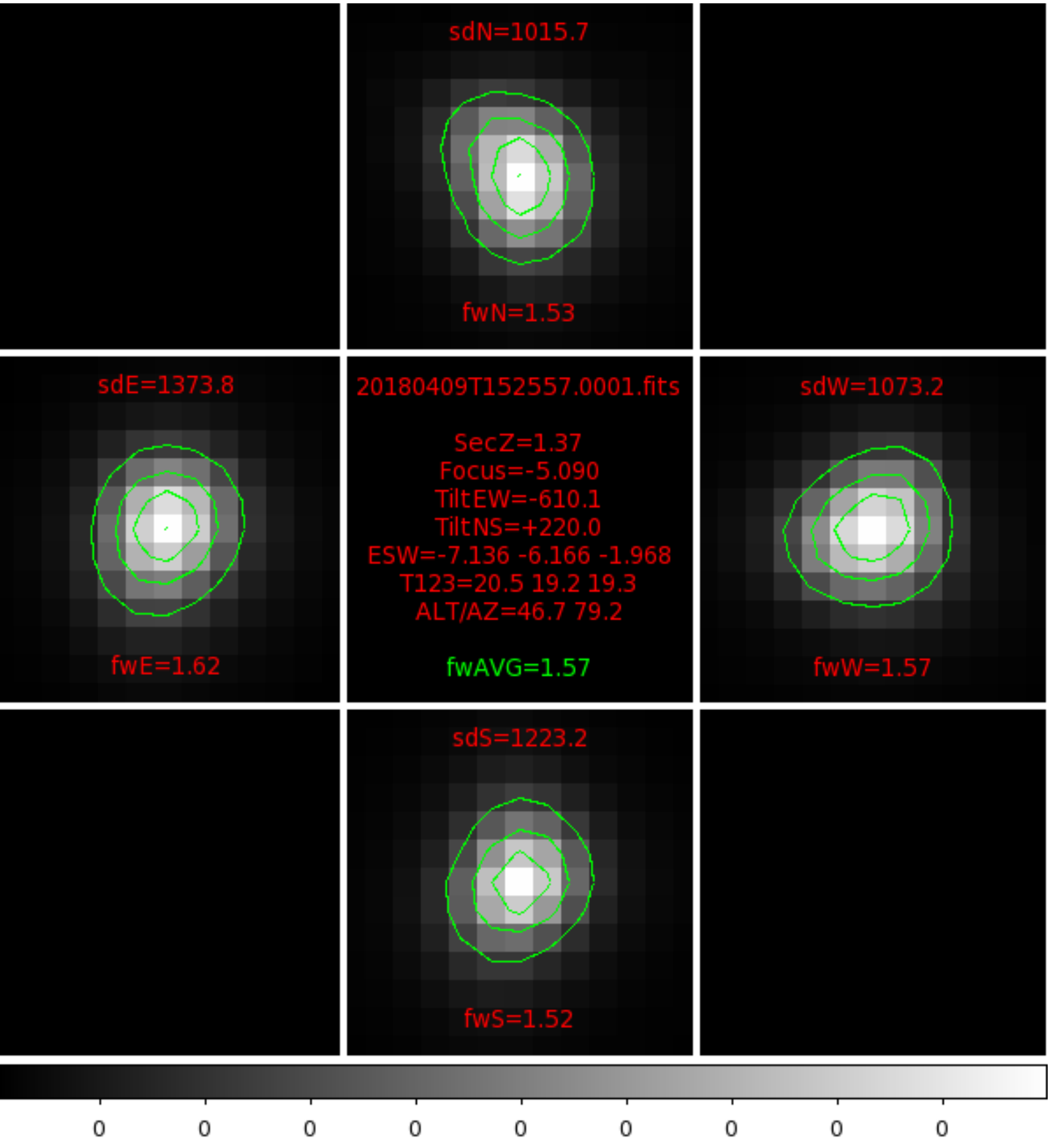
sdN=1015.7
fwN=1.53
sdE=1373.8
fwE=1.62
20180409T152557.0001.fits
SecZ=1.37
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.2 19.3
ALT/AZ=46.7 79.2
fwAVG=1.57
sdW=1073.2
fwW=1.57
sdS=1223.2
fwS=1.52
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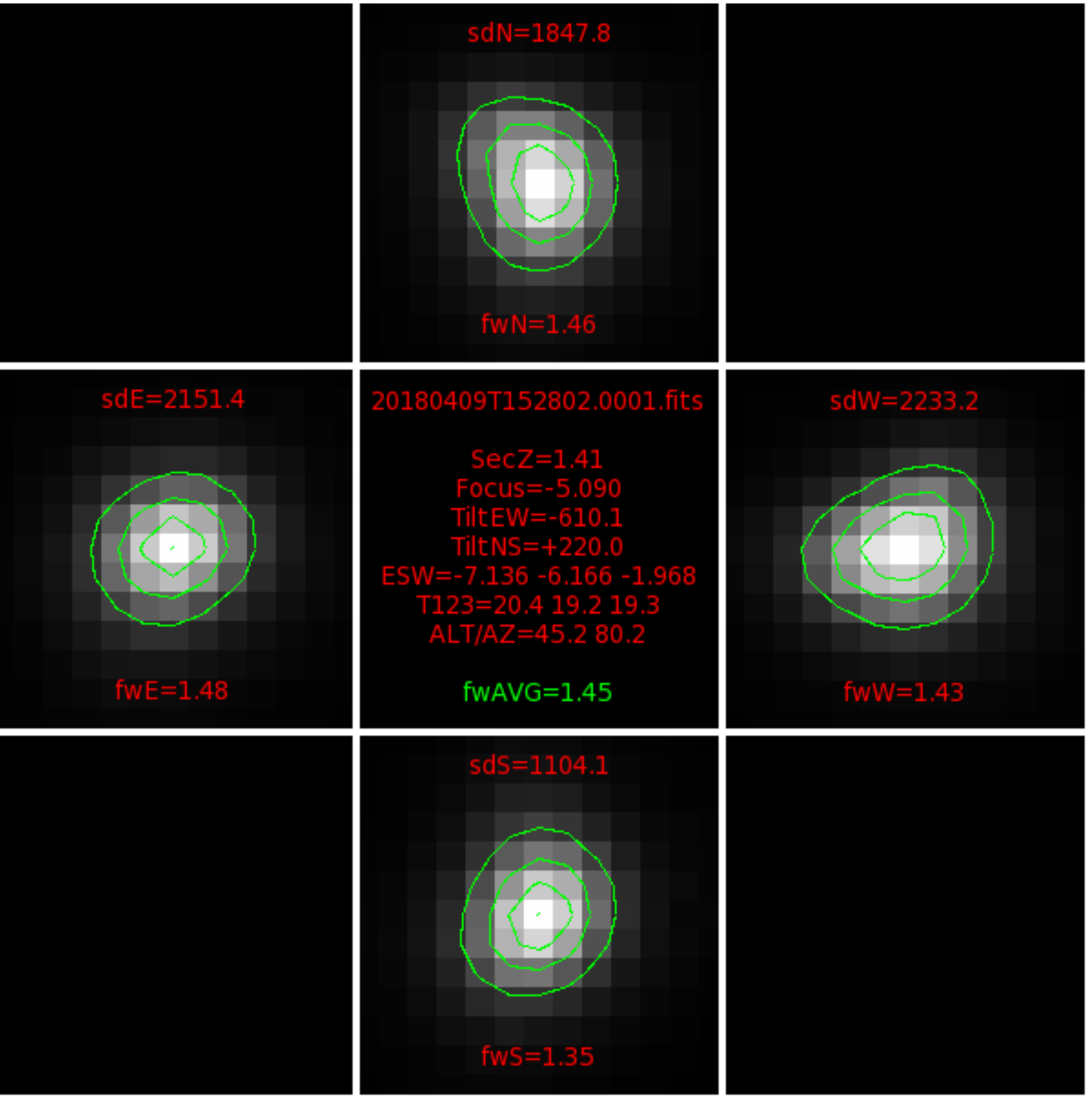
sdN=1847.8
fwN=1.46
sdE=2151.4
fwE=1.48
20180409T152802.0001.fits
SecZ=1.41
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 19.2 19.3
ALT/AZ=45.2 80.2
fwAVG=1.45
sdW=2233.2
fwW=1.43
sdS=1104.1
fwS=1.35
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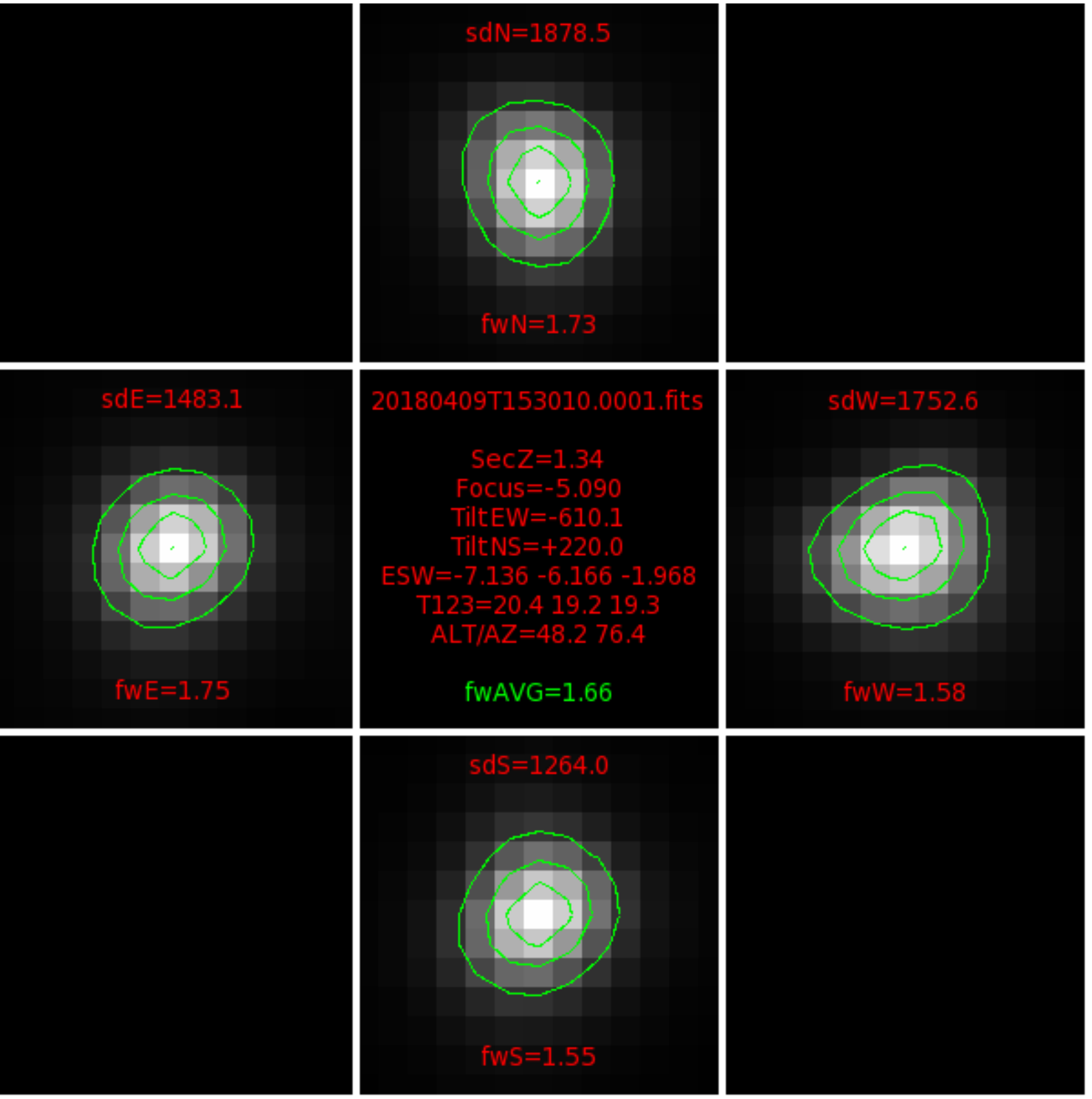
sdN=1878.5
fwN=1.73
sdE=1483.1
fwE=1.75
20180409T153010.0001.fits
SecZ=1.34
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 19.2 19.3
ALT/AZ=48.2 76.4
fwAVG=1.66
sdW=1752.6
fwW=1.58
sdS=1264.0
fwS=1.55
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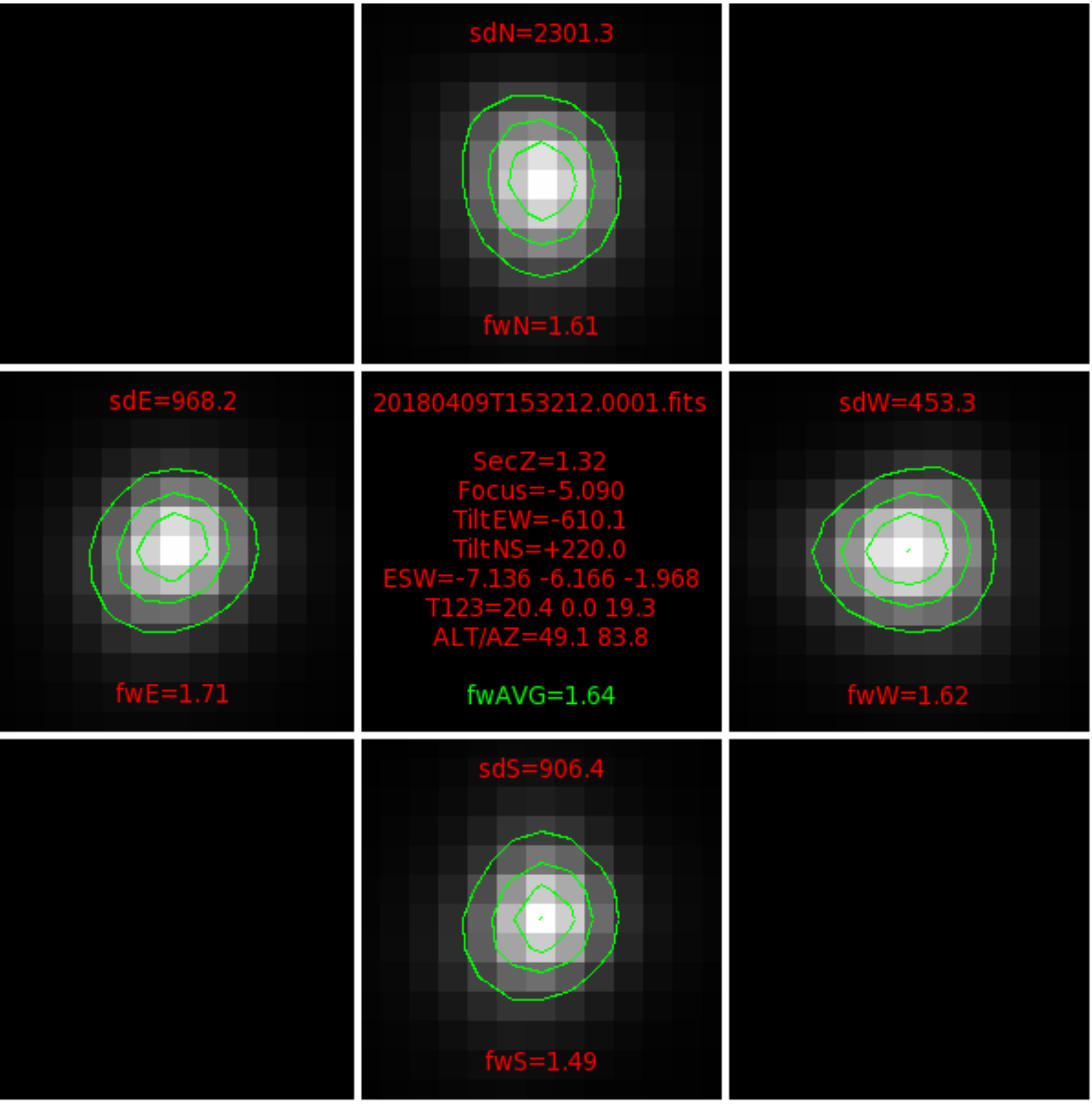
sdN=2301.3
fwN=1.61
sdE=968.2
fwE=1.71
20180409T153212.0001.fits
SecZ=1.32
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 0.0 19.3
ALT/AZ=49.1 83.8
fwAVG=1.64
sdW=453.3
fwW=1.62
sdS=906.4
fwS=1.49
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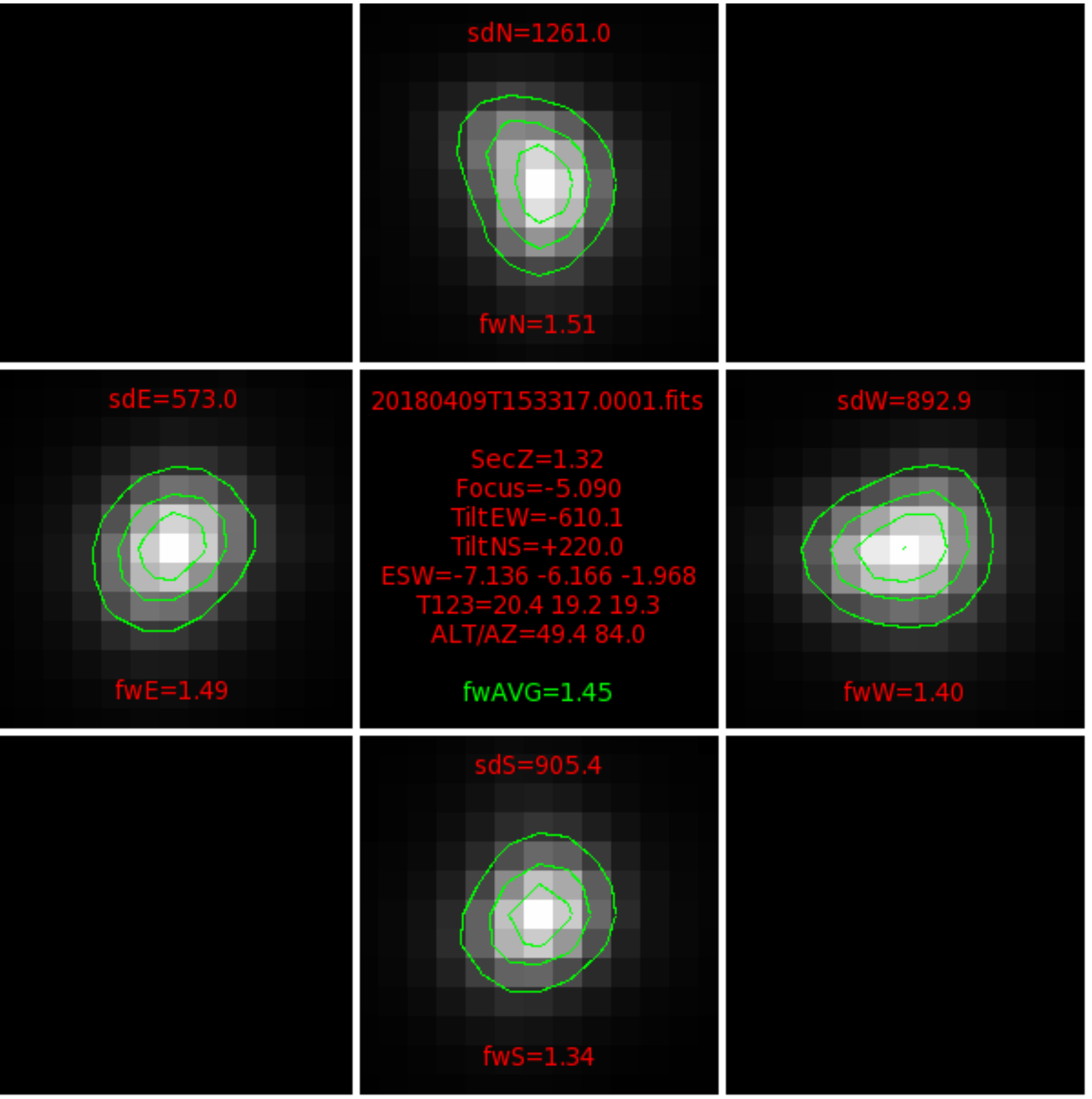
sdN=1261.0
fwN=1.51
sdE=573.0
fwE=1.49
20180409T153317.0001.fits
SecZ=1.32
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 19.2 19.3
ALT/AZ=49.4 84.0
fwAVG=1.45
sdW=892.9
fwW=1.40
sdS=905.4
fwS=1.34
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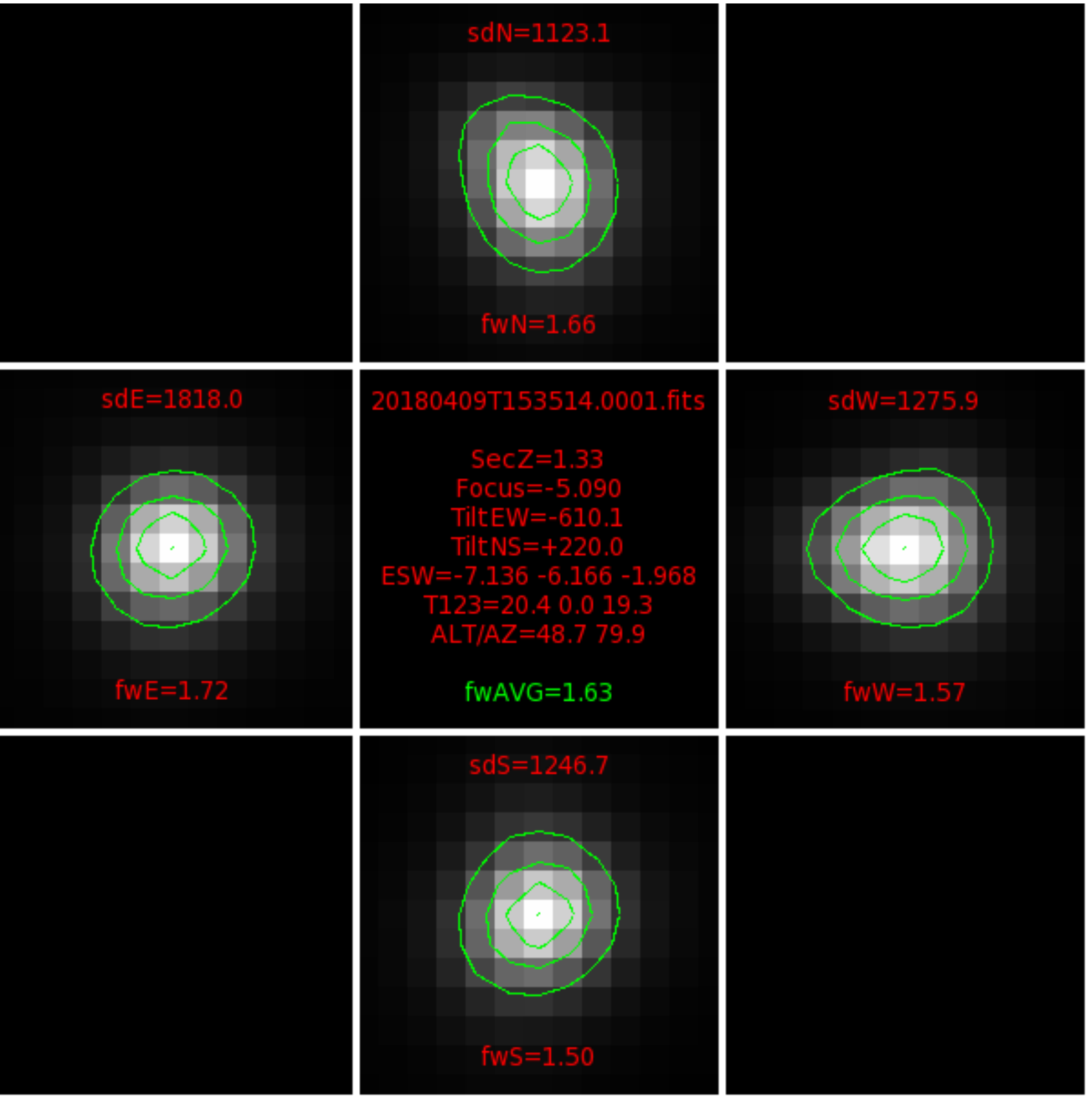
sdN=1123.1
fwN=1.66
sdE=1818.0
fwE=1.72
20180409T153514.0001.fits
SecZ=1.33
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 0.0 19.3
ALT/AZ=48.7 79.9
fwAVG=1.63
sdW=1275.9
fwW=1.57
sdS=1246.7
fwS=1.50
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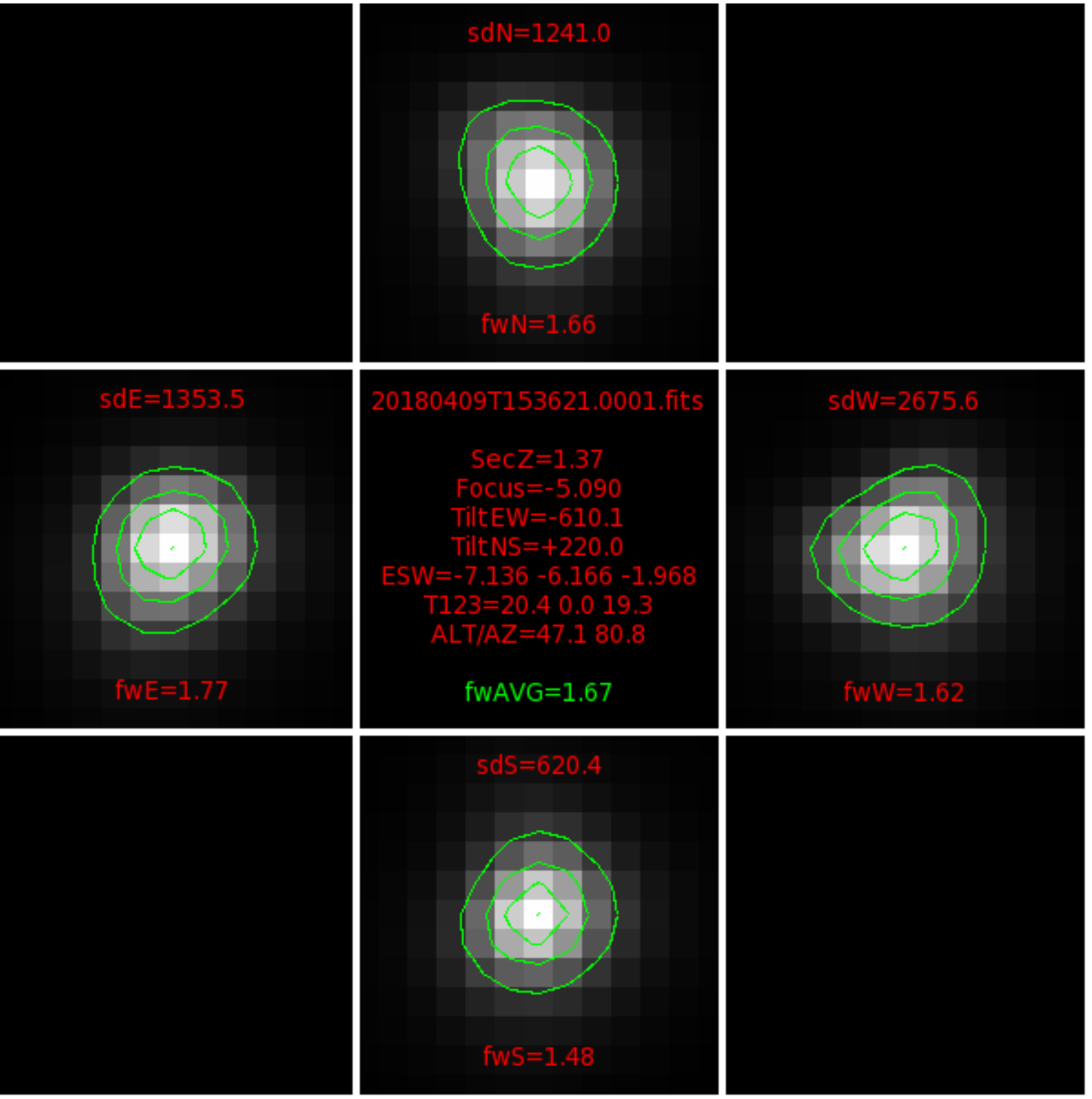
sdN=1241.0
fwN=1.66
sdE=1353.5
fwE=1.77
20180409T153621.0001.fits
SecZ=1.37
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 0.0 19.3
ALT/AZ=47.1 80.8
fwAVG=1.67
sdW=2675.6
fwW=1.62
sdS=620.4
fwS=1.48
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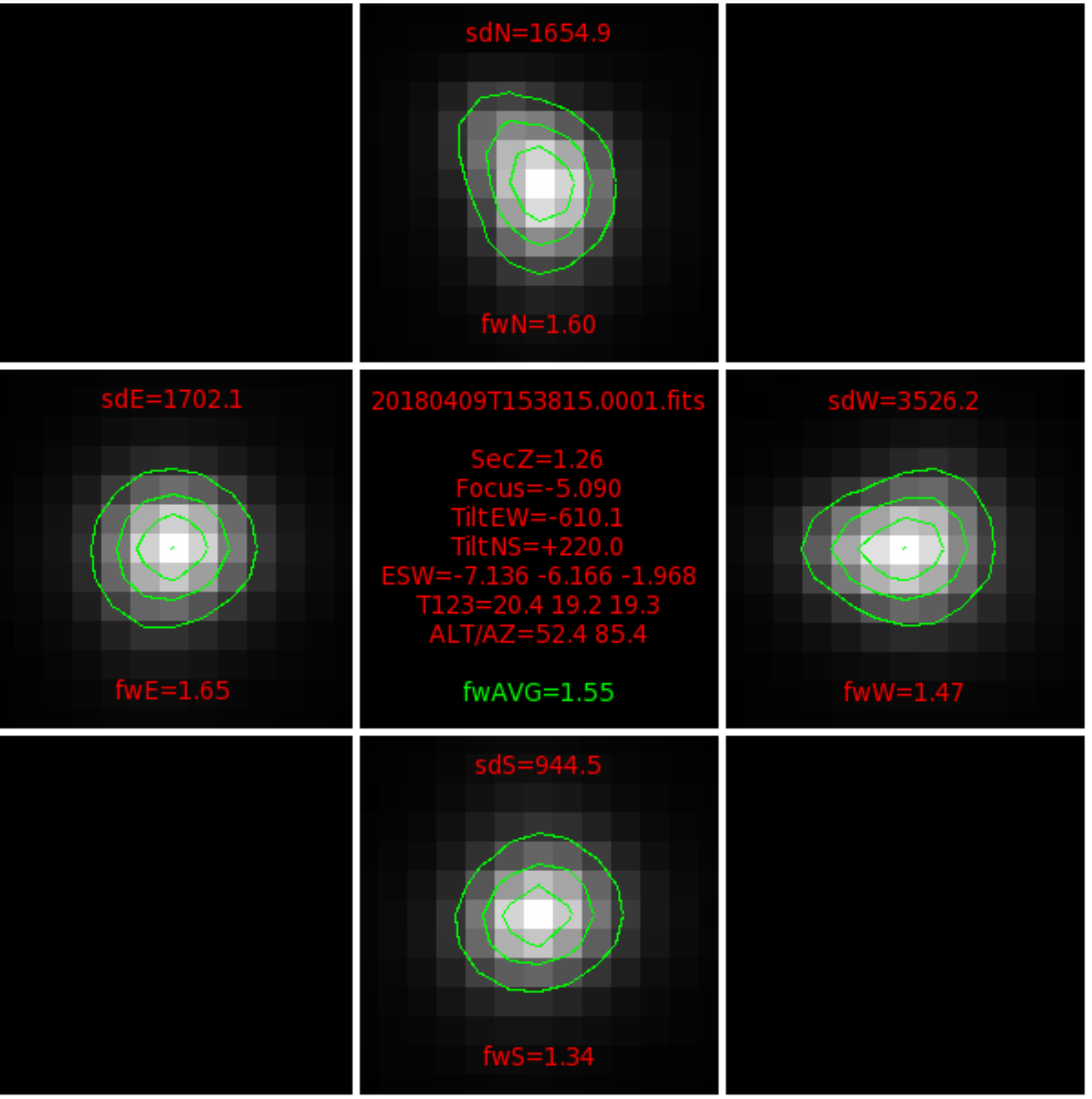
sdN=1654.9
fwN=1.60
sdE=1702.1
fwE=1.65
20180409T153815.0001.fits
SecZ=1.26
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 19.2 19.3
ALT/AZ=52.4 85.4
fwAVG=1.55
sdW=3526.2
fwW=1.47
sdS=944.5
fwS=1.34
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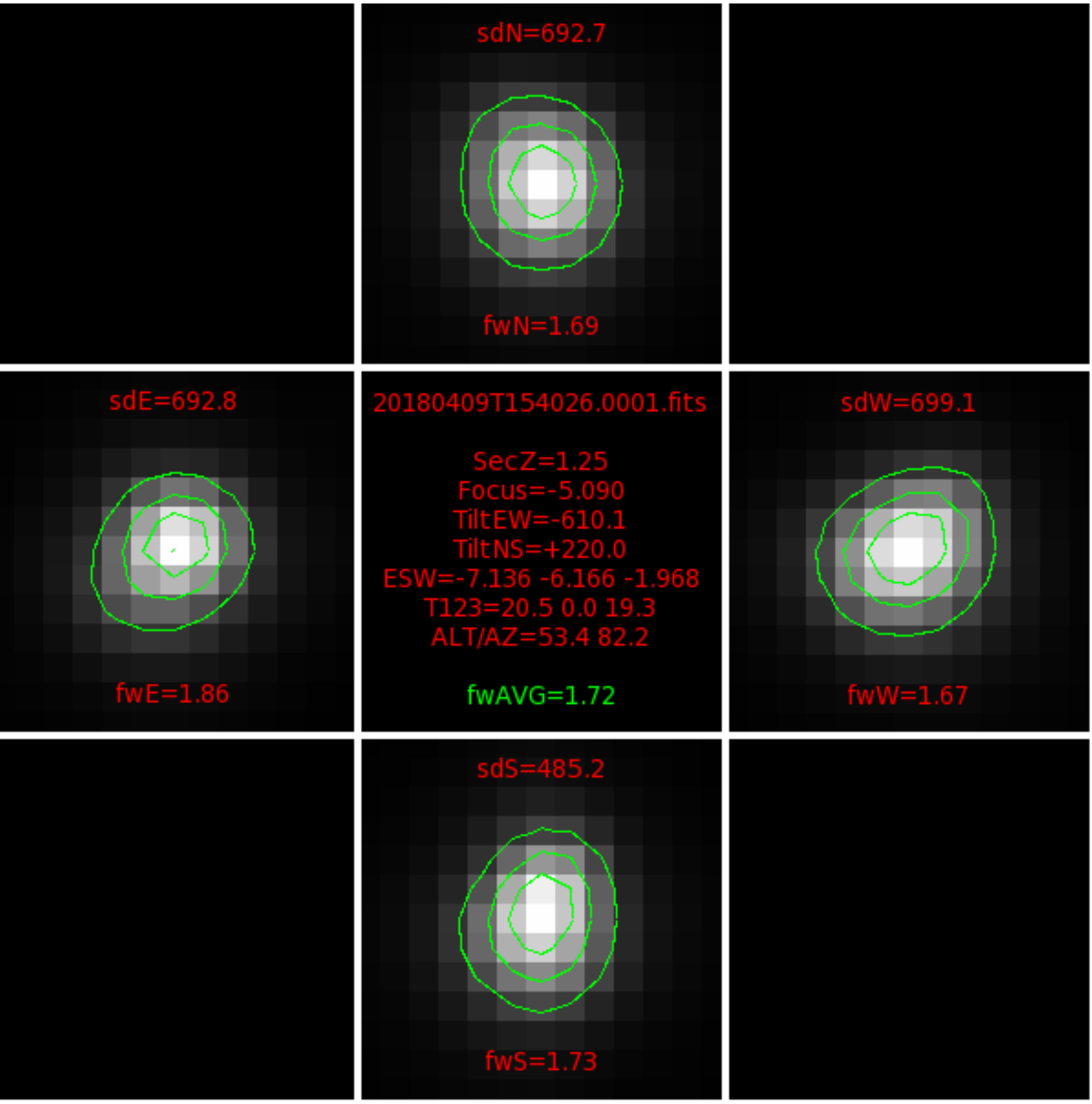
sdN=692.7
fwN=1.69
sdE=692.8
fwE=1.86
20180409T154026.0001.fits
SecZ=1.25
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.3
ALT/AZ=53.4 82.2
fwAVG=1.72
sdW=699.1
fwW=1.67
sdS=485.2
fwS=1.73
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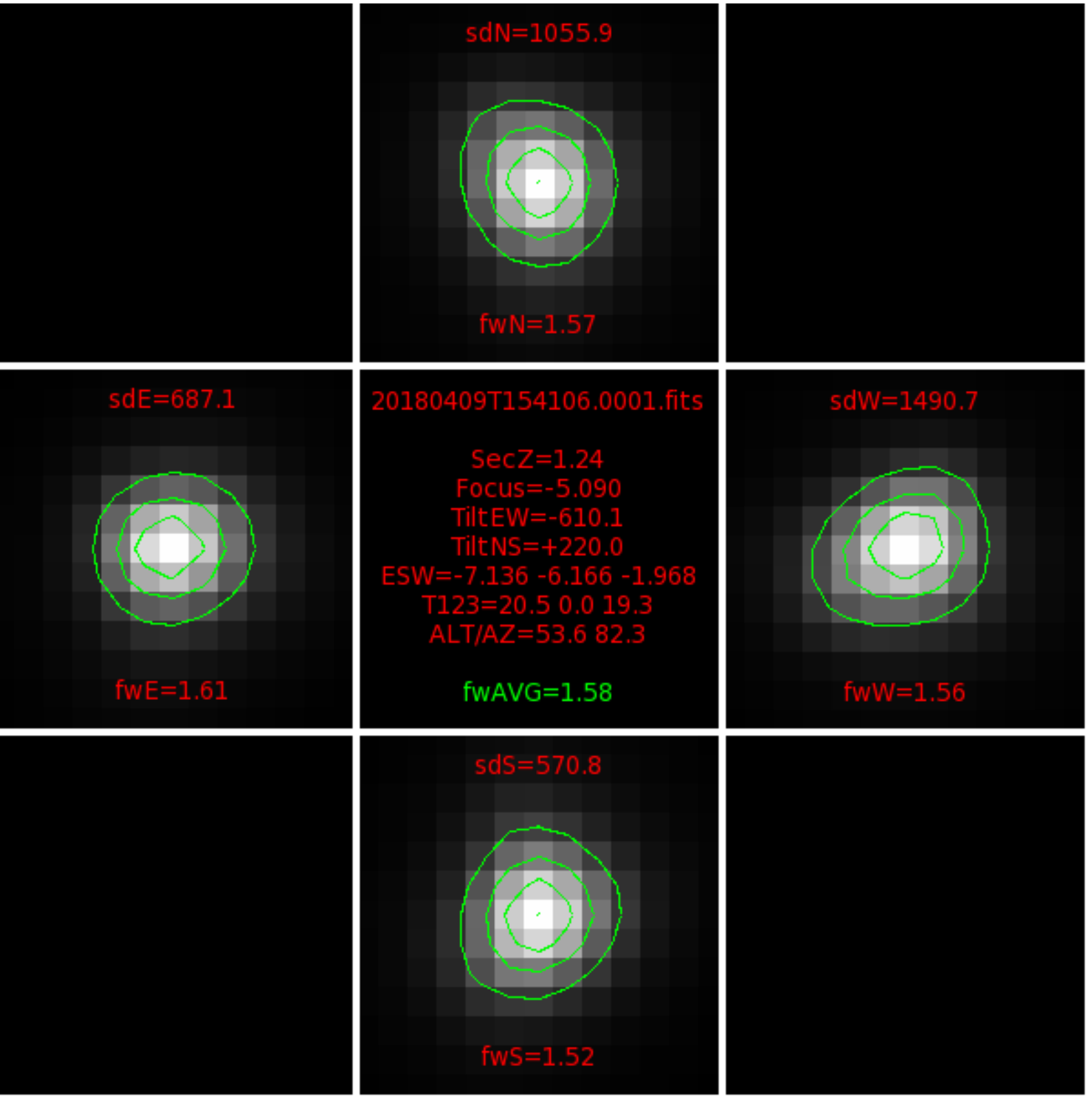
sdN=1055.9
fwN=1.57
sdE=687.1
fwE=1.61
20180409T154106.0001.fits
SecZ=1.24
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.3
ALT/AZ=53.6 82.3
fwAVG=1.58
sdW=1490.7
fwW=1.56
sdS=570.8
fwS=1.52
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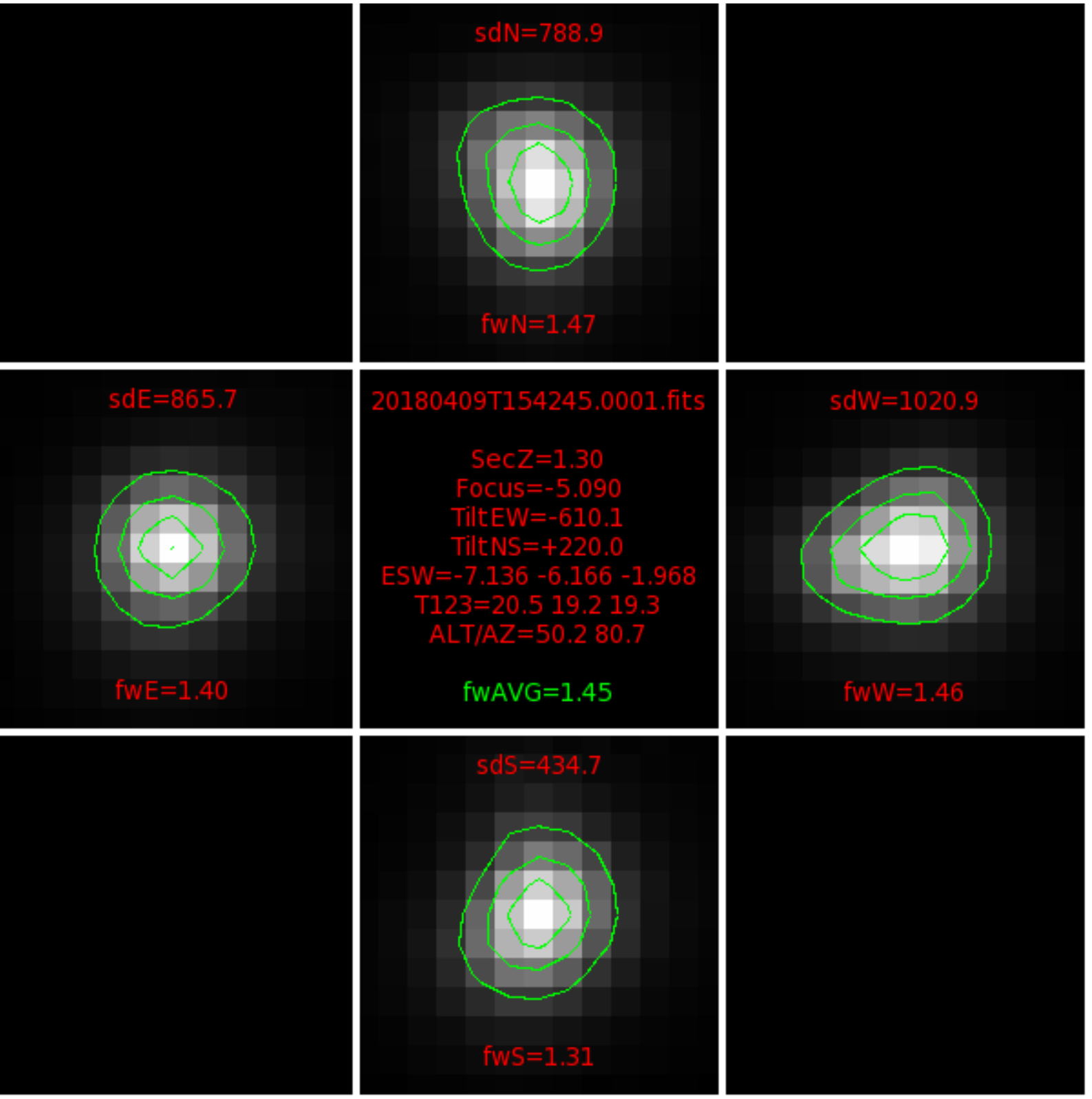
sdN=788.9
fwN=1.47
sdE=865.7
fwE=1.40
20180409T154245.0001.fits
SecZ=1.30
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.2 19.3
ALT/AZ=50.2 80.7
fwAVG=1.45
sdW=1020.9
fwW=1.46
sdS=434.7
fwS=1.31
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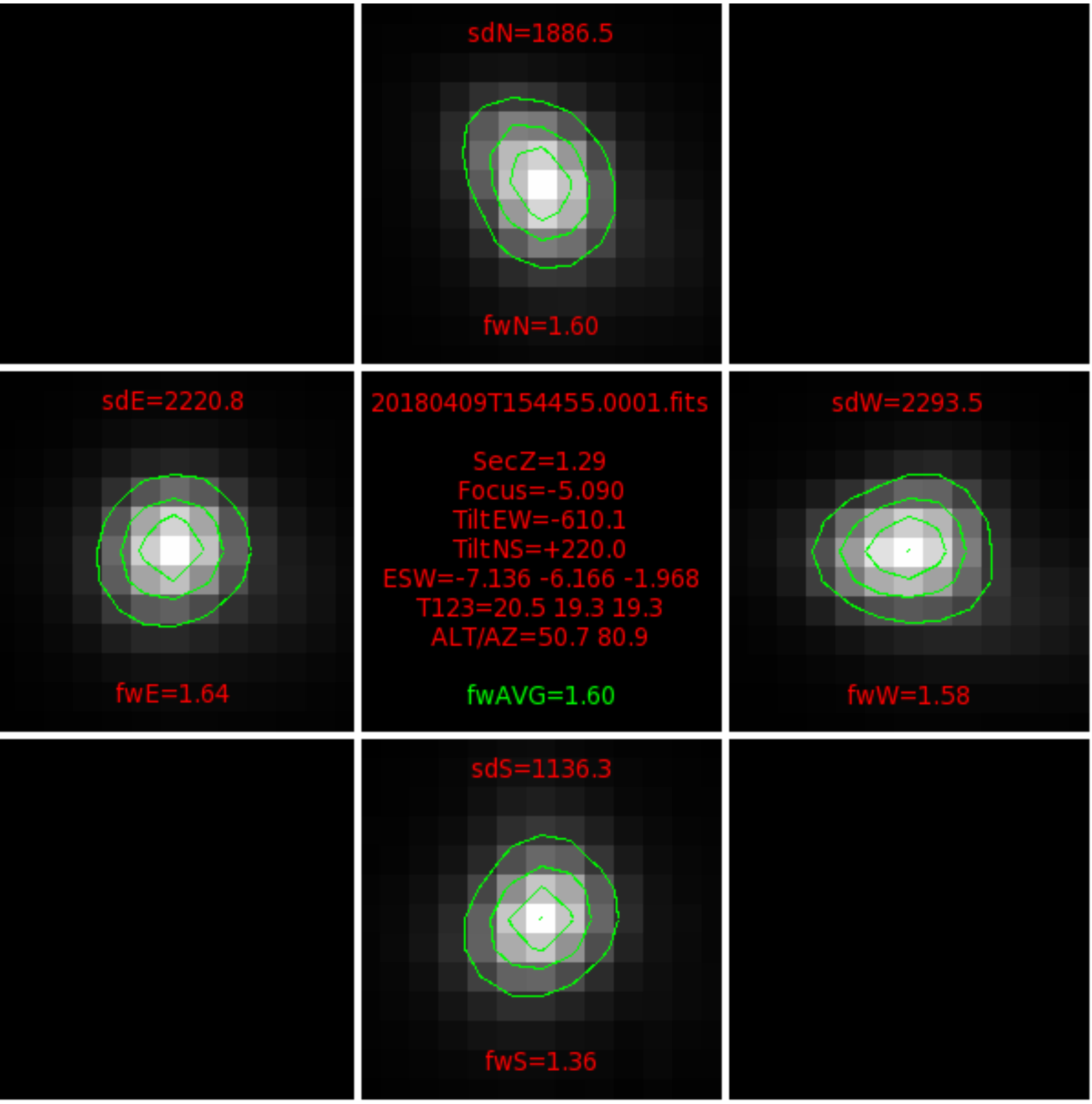
sdN=1886.5
fwN=1.60
sdE=2220.8
fwE=1.64
20180409T154455.0001.fits
SecZ=1.29
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.3 19.3
ALT/AZ=50.7 80.9
fwAVG=1.60
sdW=2293.5
fwW=1.58
sdS=1136.3
fwS=1.36
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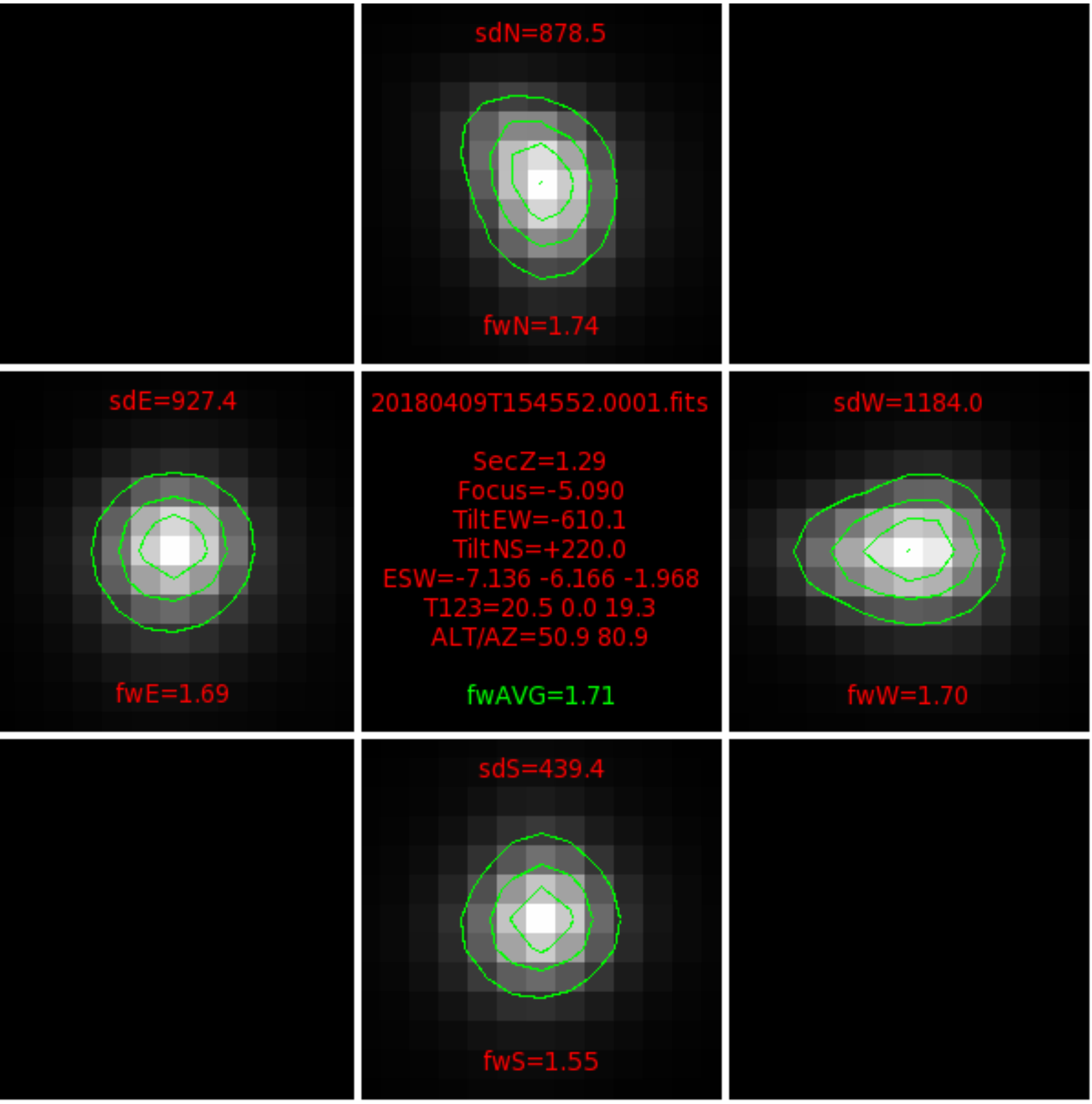
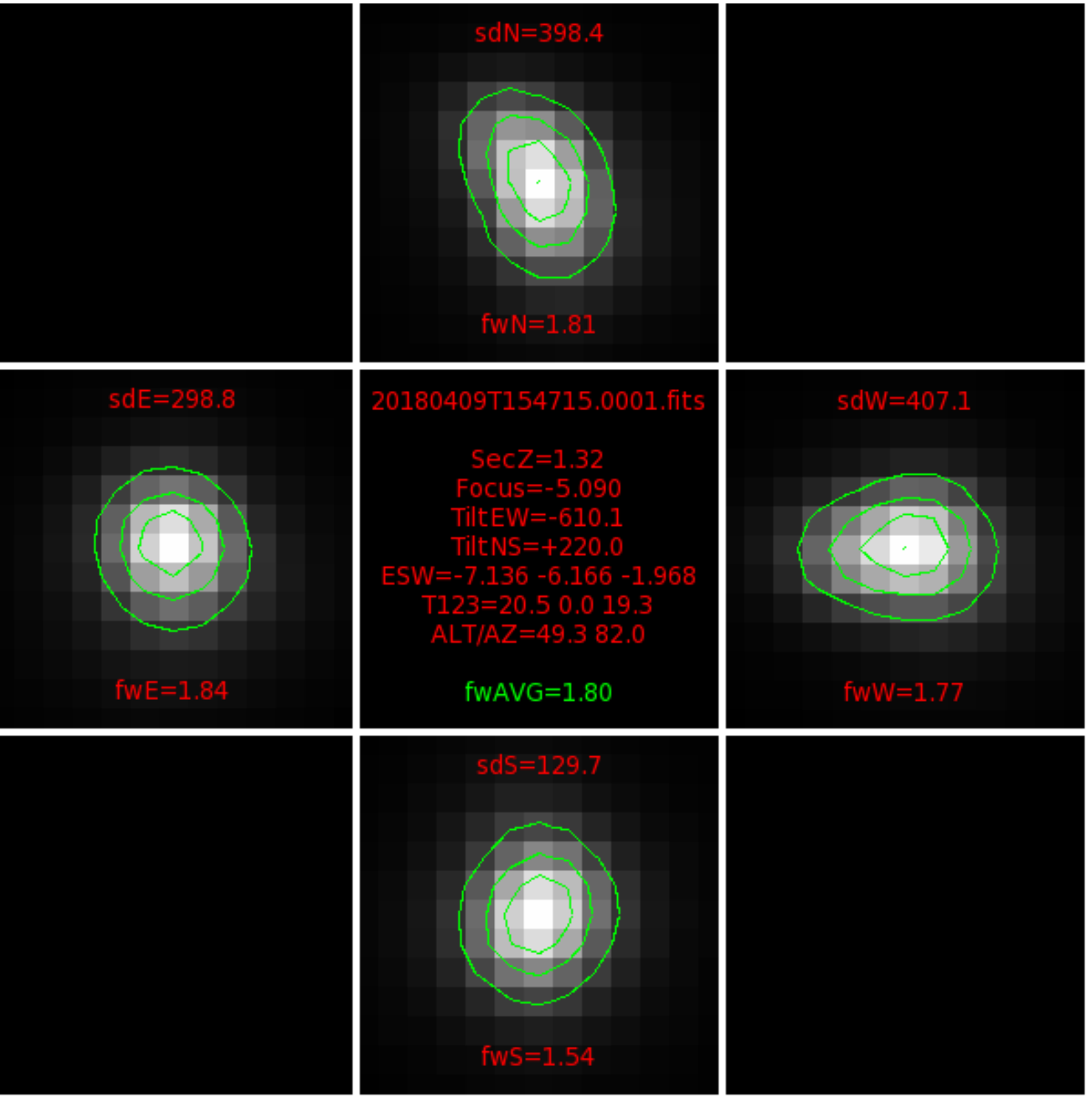

sdN=878.5
fwN=1.74
sdE=927.4
fwE=1.69
20180409T154552.0001.fits
SecZ=1.29
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.3
ALT/AZ=50.9 80.9
fwAVG=1.71
sdW=1184.0
fwW=1.70
sdS=439.4
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=398.4
fwN=1.81
sdE=298.8
fwE=1.84
20180409T154715.0001.fits
SecZ=1.32
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.3
ALT/AZ=49.3 82.0
fwAVG=1.80
sdW=407.1
fwW=1.77
sdS=129.7
fwS=1.54
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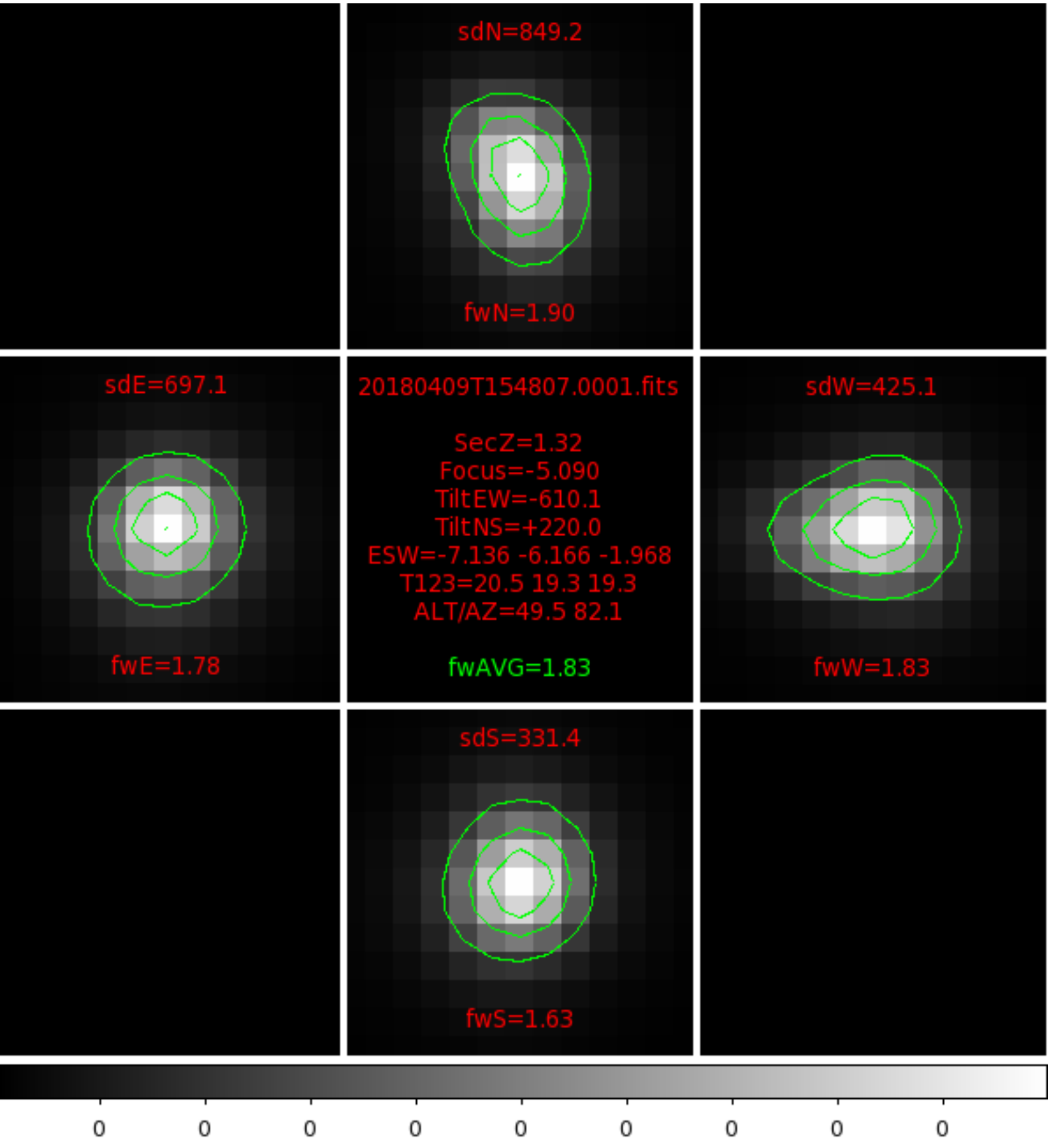
sdN=849.2
fwN=1.90
sdE=697.1
fwE=1.78
20180409T154807.0001.fits
SecZ=1.32
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.3 19.3
ALT/AZ=49.5 82.1
fwAVG=1.83
sdW=425.1
fwW=1.83
sdS=331.4
fwS=1.63
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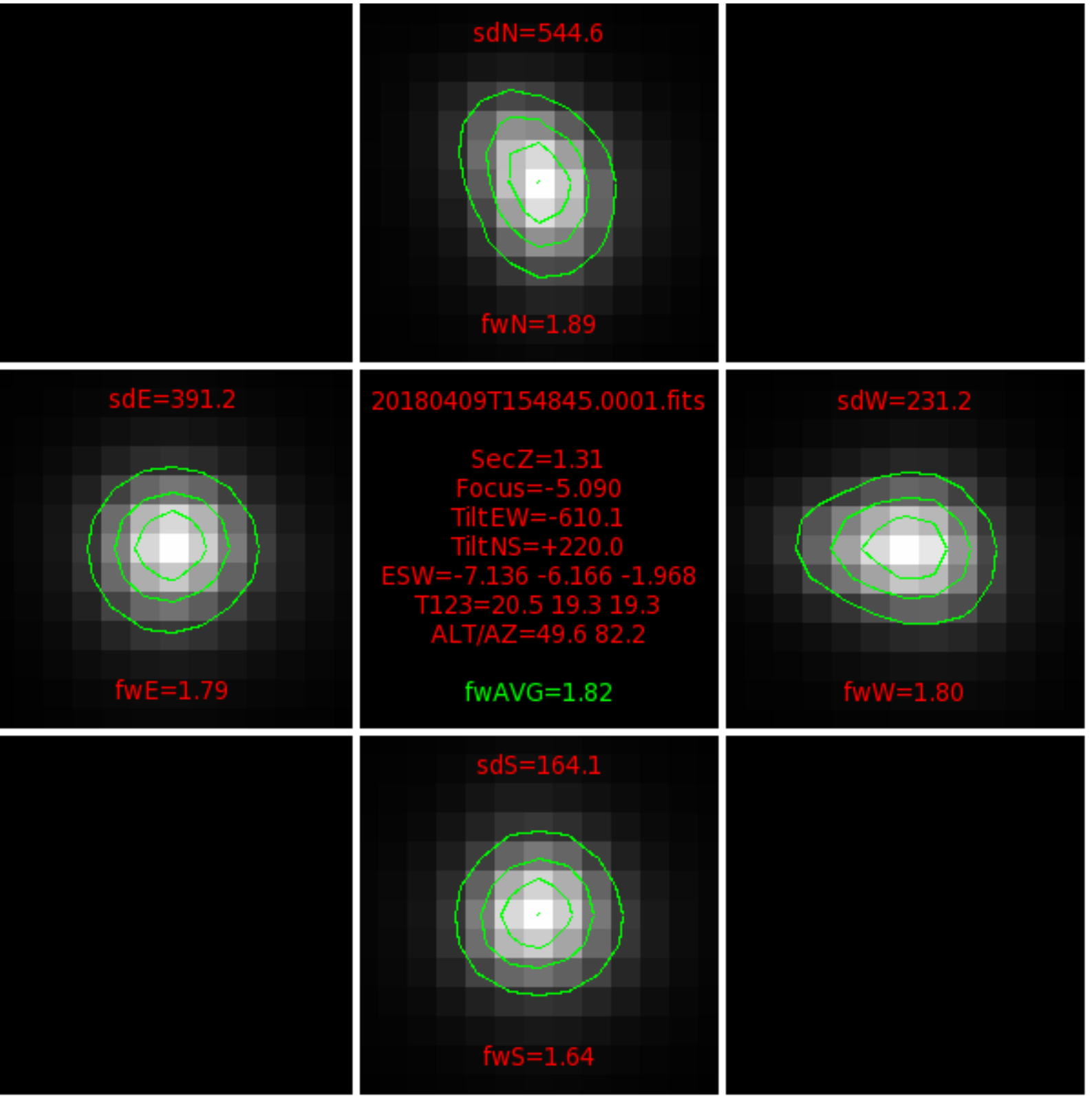
sdN=544.6
fwN=1.89
sdE=391.2
fwE=1.79
20180409T154845.0001.fits
SecZ=1.31
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.3 19.3
ALT/AZ=49.6 82.2
fwAVG=1.82
sdW=231.2
fwW=1.80
sdS=164.1
fwS=1.64
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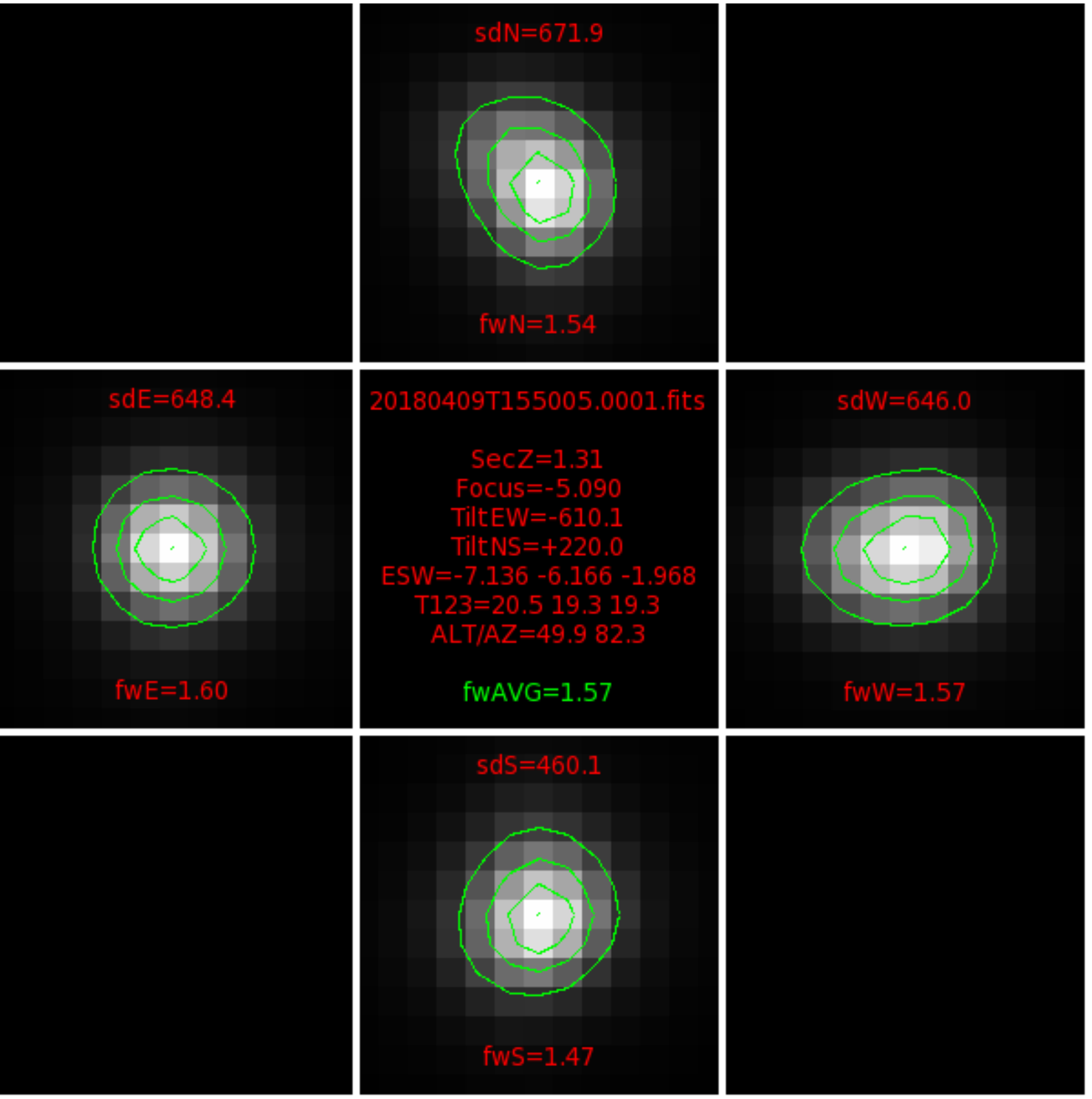
sdN=671.9
fwN=1.54
sdE=648.4
fwE=1.60
20180409T155005.0001.fits
SecZ=1.31
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.3 19.3
ALT/AZ=49.9 82.3
fwAVG=1.57
sdW=646.0
fwW=1.57
sdS=460.1
fwS=1.47
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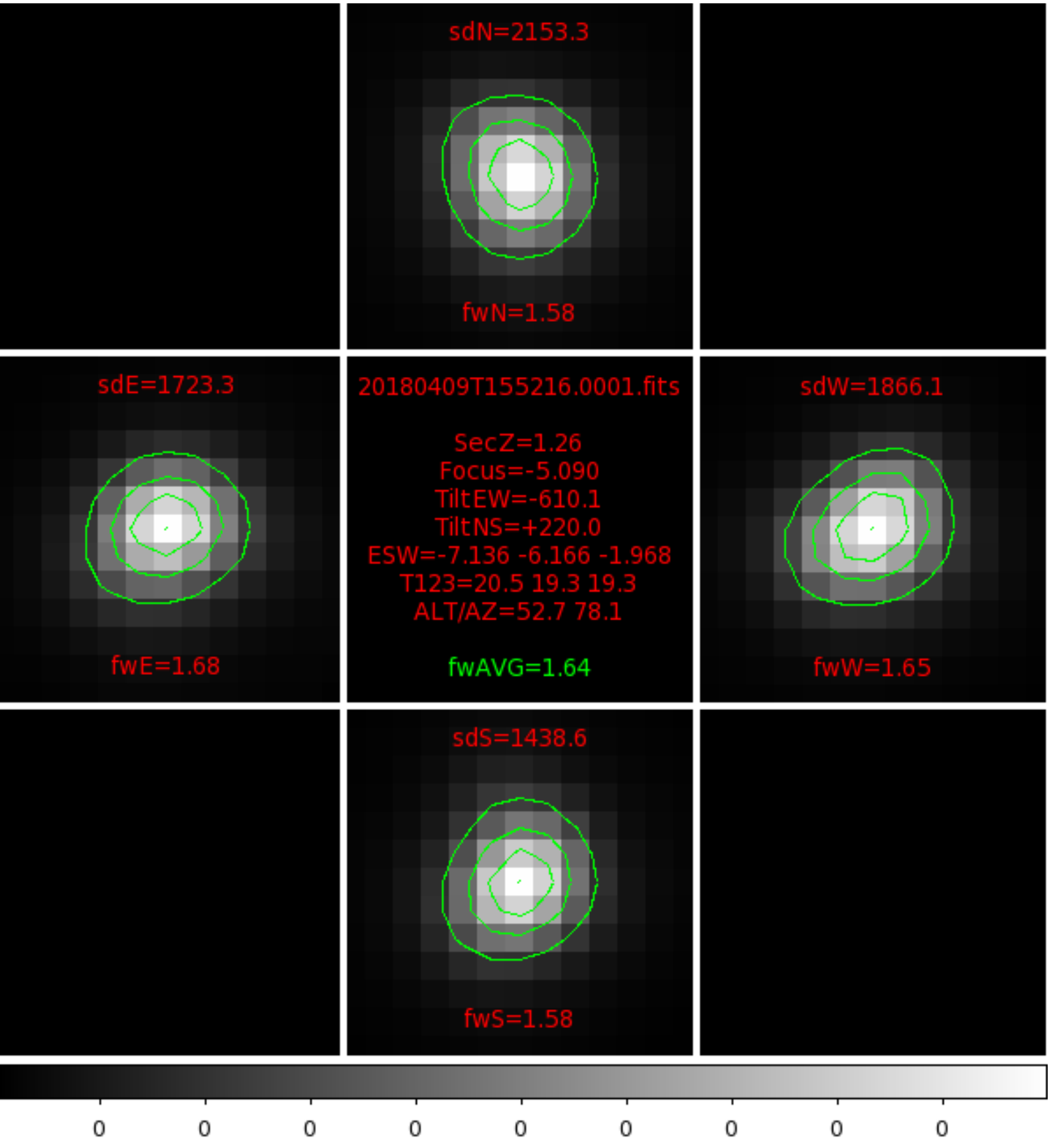
sdN=2153.3
fwN=1.58
sdE=1723.3
fwE=1.68
20180409T155216.0001.fits
SecZ=1.26
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.3 19.3
ALT/AZ=52.7 78.1
fwAVG=1.64
sdW=1866.1
fwW=1.65
sdS=1438.6
fwS=1.58
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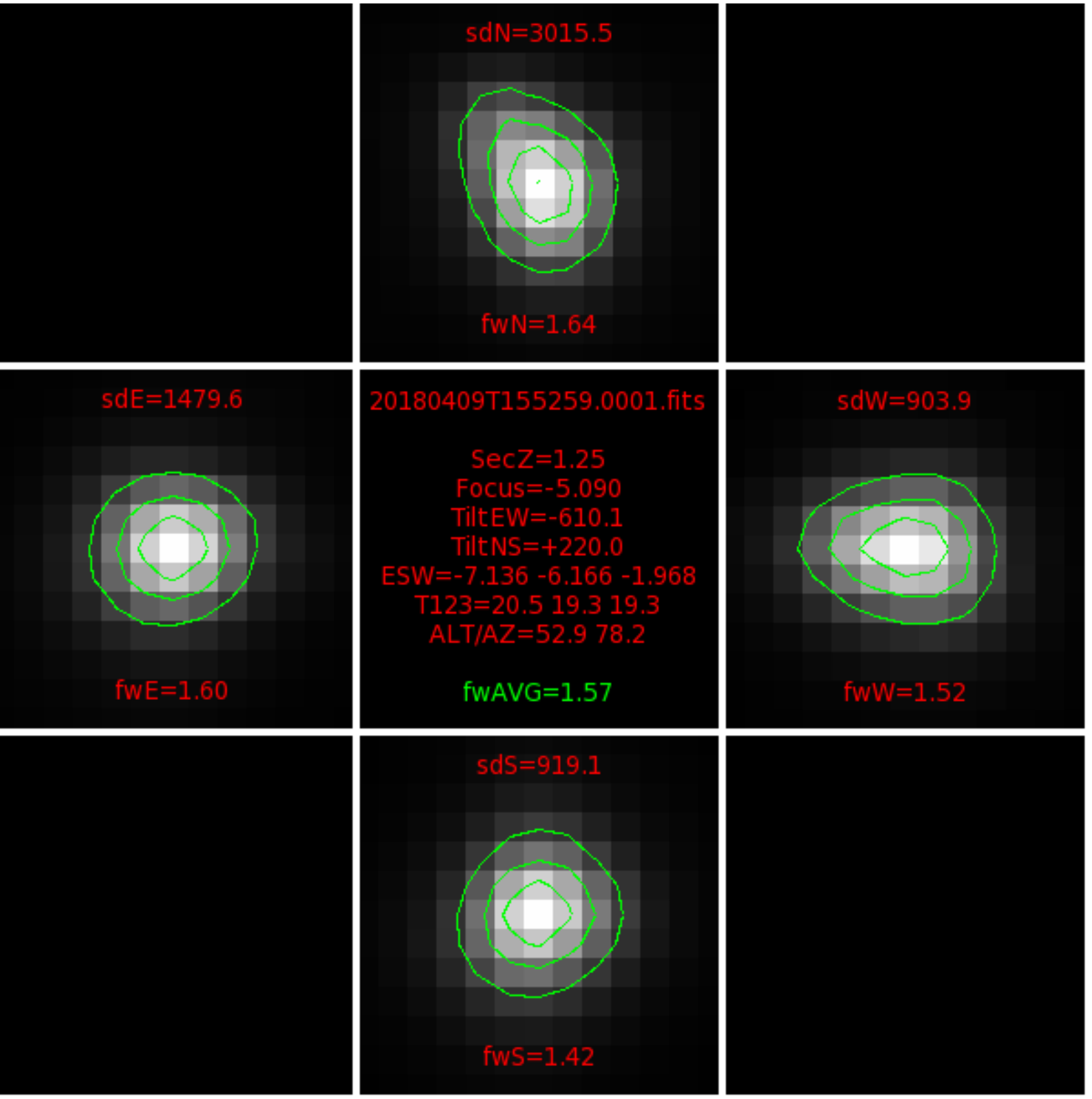
sdN=3015.5
fwN=1.64
sdE=1479.6
fwE=1.60
20180409T155259.0001.fits
SecZ=1.25
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.3 19.3
ALT/AZ=52.9 78.2
fwAVG=1.57
sdW=903.9
fwW=1.52
sdS=919.1
fwS=1.42
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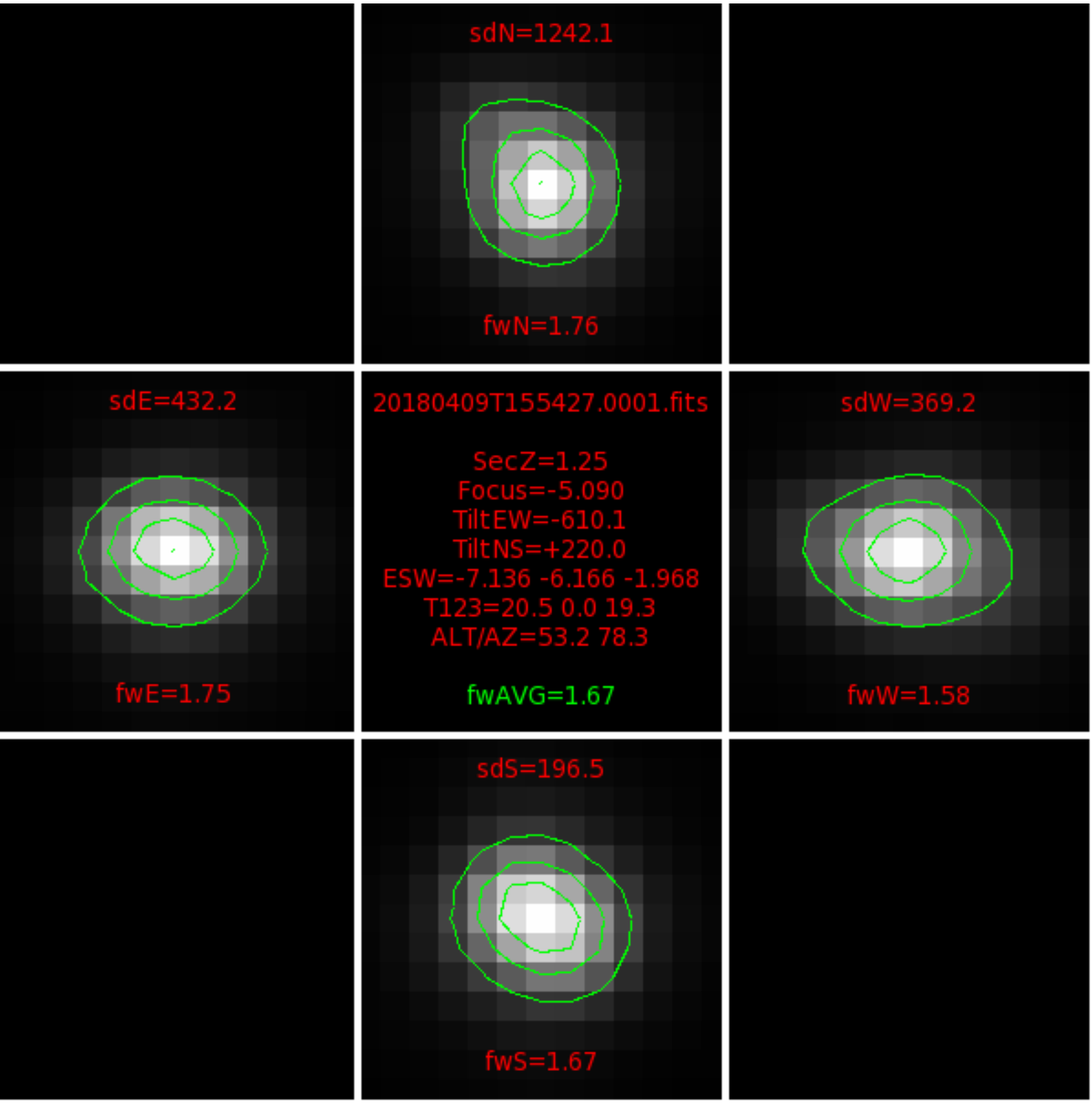
sdN=1242.1
fwN=1.76
sdE=432.2
fwE=1.75
20180409T155427.0001.fits
SecZ=1.25
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.3
ALT/AZ=53.2 78.3
fwAVG=1.67
sdW=369.2
fwW=1.58
sdS=196.5
fwS=1.67
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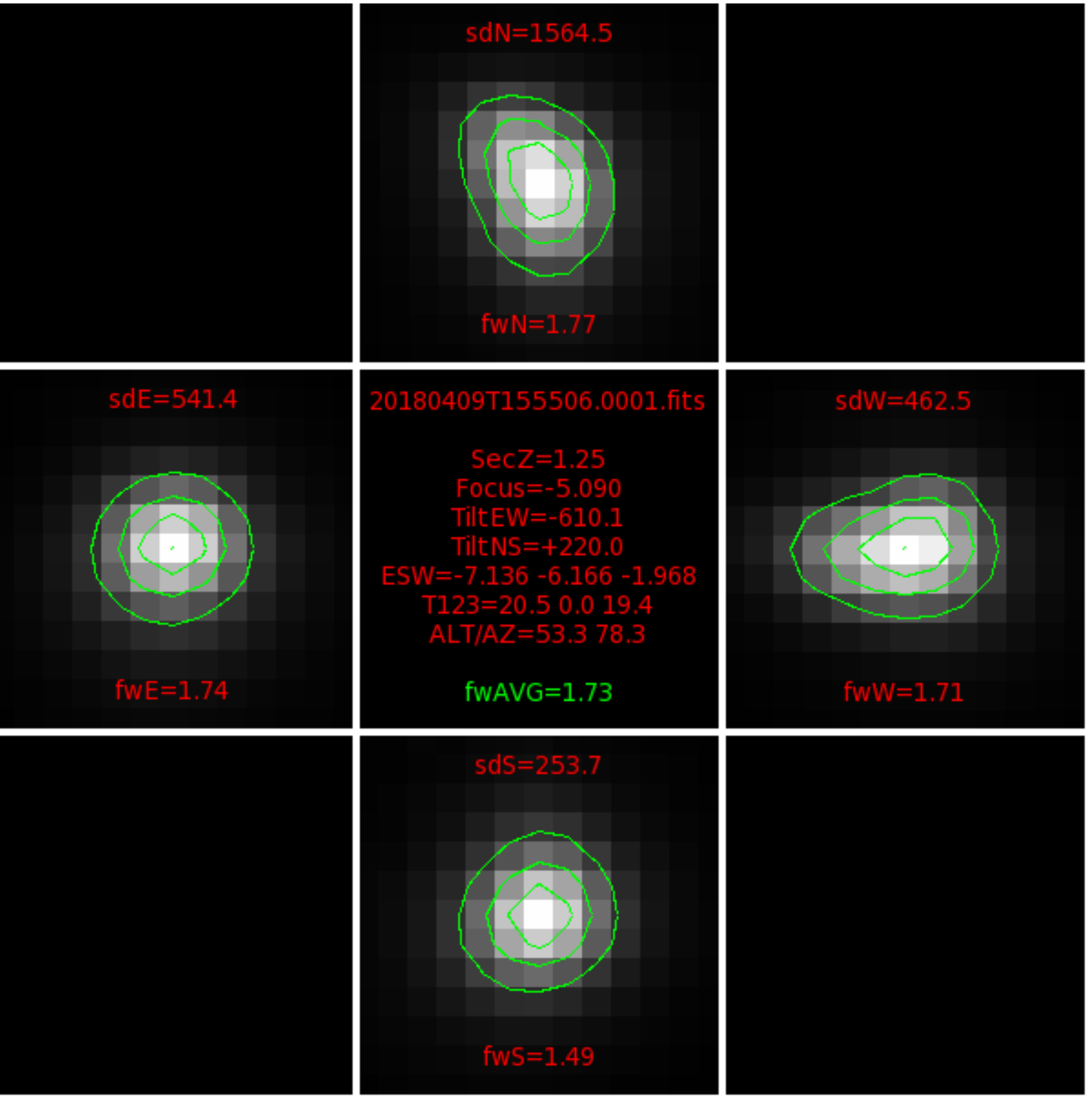
sdN=1564.5
fwN=1.77
sdE=541.4
fwE=1.74
20180409T155506.0001.fits
SecZ=1.25
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.4
ALT/AZ=53.3 78.3
fwAVG=1.73
sdW=462.5
fwW=1.71
sdS=253.7
fwS=1.49
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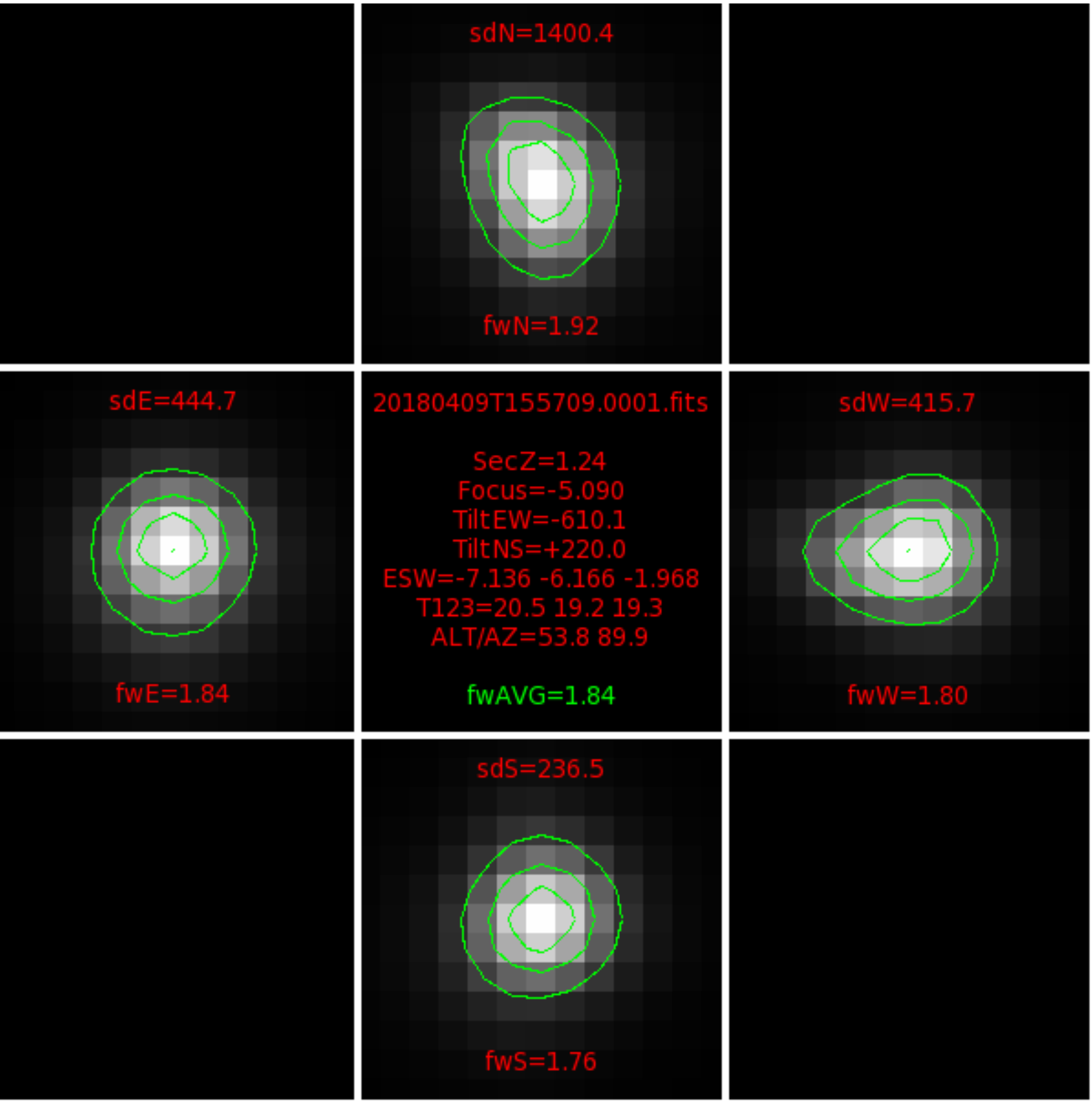
sdN=1400.4
fwN=1.92
sdE=444.7
fwE=1.84
20180409T155709.0001.fits
SecZ=1.24
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.2 19.3
ALT/AZ=53.8 89.9
fwAVG=1.84
sdW=415.7
fwW=1.80
sdS=236.5
fwS=1.76
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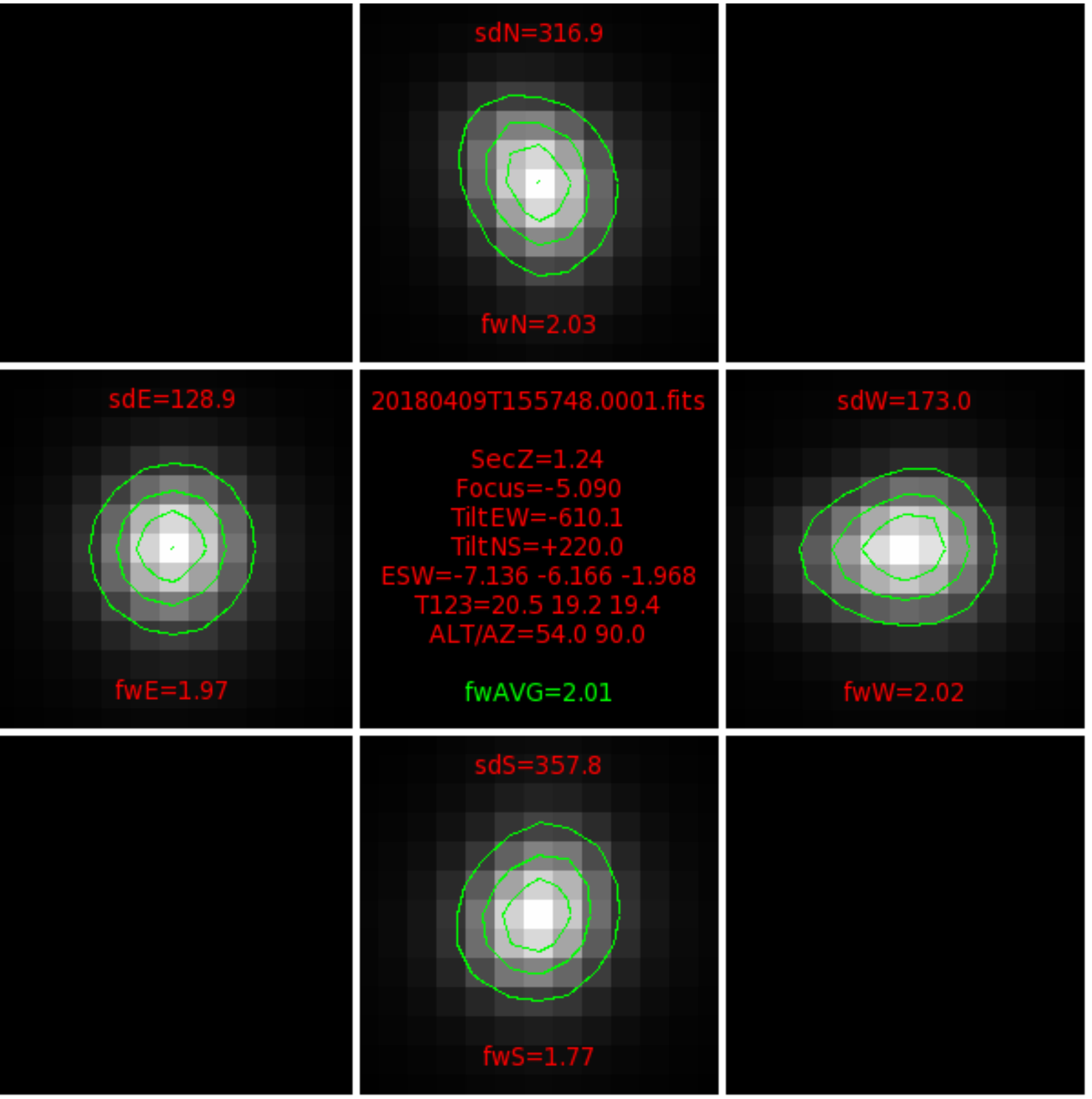
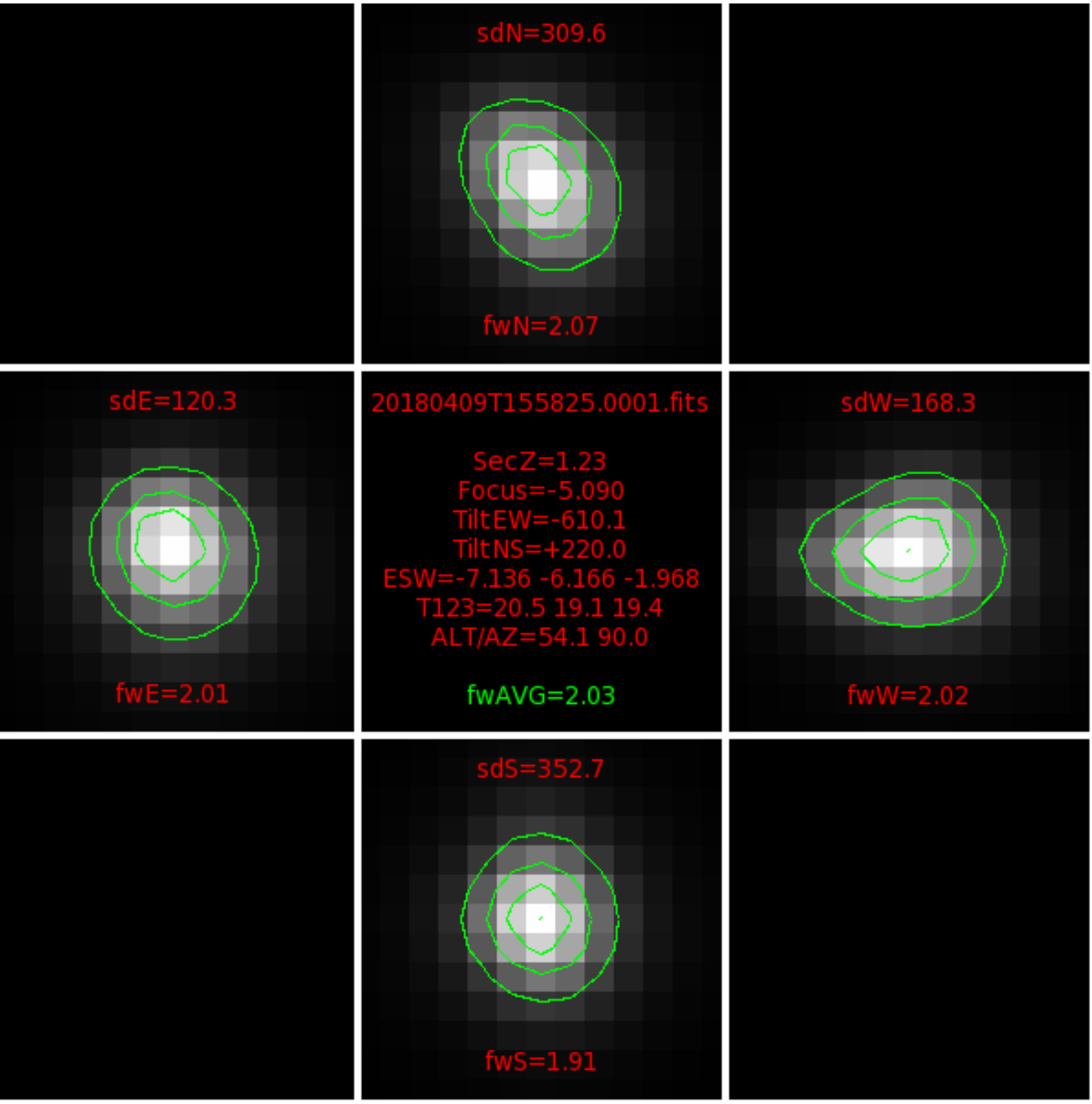

sdN=316.9
fwN=2.03
sdE=128.9
fwE=1.97
20180409T155748.0001.fits
SecZ=1.24
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.2 19.4
ALT/AZ=54.0 90.0
fwAVG=2.01
sdW=173.0
fwW=2.02
sdS=357.8
fwS=1.77
0 0 0 0 0 0 0 0 0


sdN=309.6
fwN=2.07
sdE=120.3
fwE=2.01
20180409T155825.0001.fits
SecZ=1.23
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.1 19.4
ALT/AZ=54.1 90.0
fwAVG=2.03
sdW=168.3
fwW=2.02
sdS=352.7
fwS=1.91
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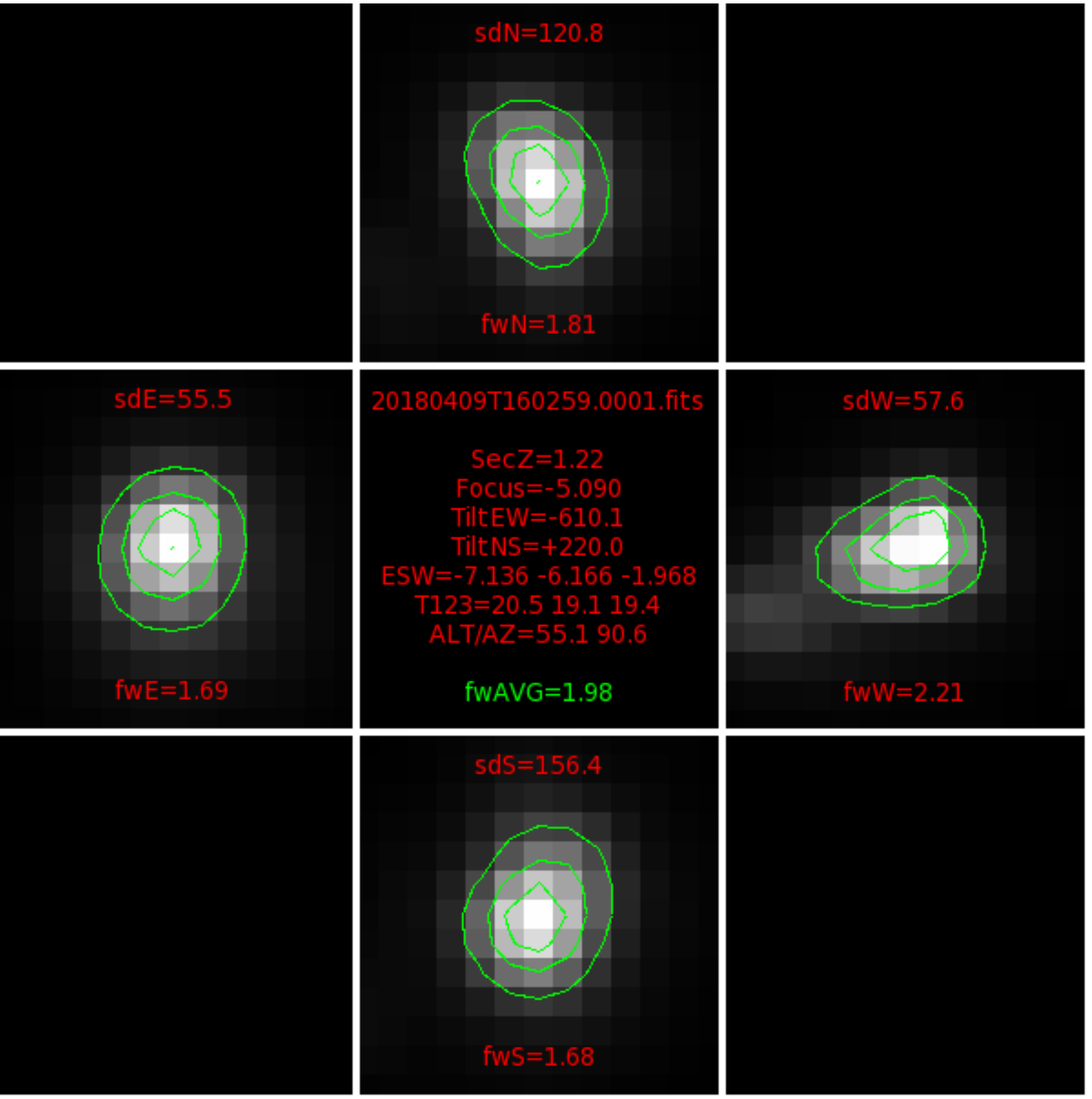
sdN=120.8
fwN=1.81
sdE=55.5
fwE=1.69
20180409T160259.0001.fits
SecZ=1.22
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.1 19.4
ALT/AZ=55.1 90.6
fwAVG=1.98
sdW=57.6
fwW=2.21
sdS=156.4
fwS=1.68
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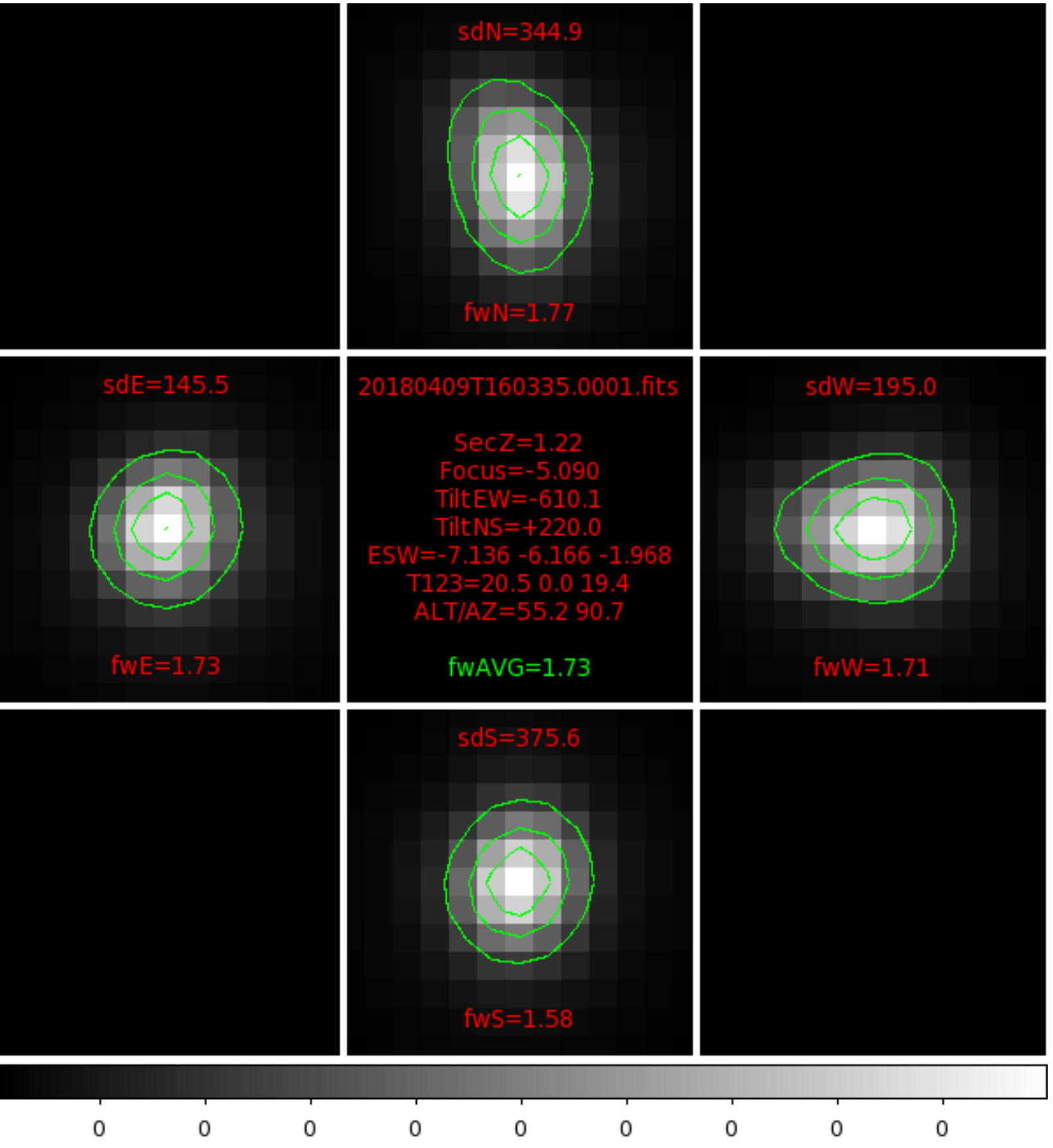
sdN=344.9
fwN=1.77
sdE=145.5
fwE=1.73
20180409T160335.0001.fits
SecZ=1.22
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.4
ALT/AZ=55.2 90.7
fwAVG=1.73
sdW=195.0
fwW=1.71
sdS=375.6
fwS=1.58
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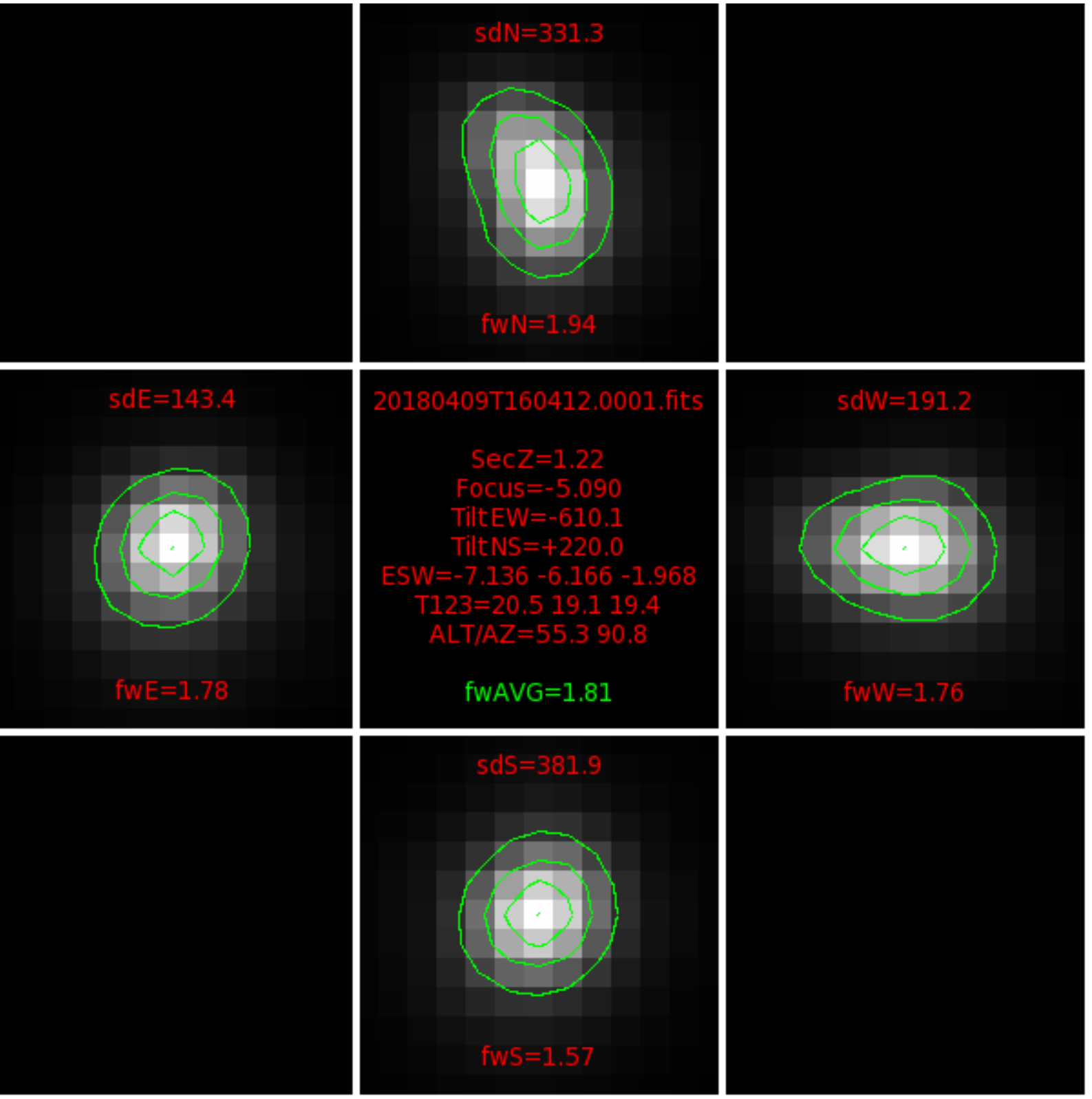
sdN=331.3
fwN=1.94
sdE=143.4
fwE=1.78
20180409T160412.0001.fits
SecZ=1.22
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.1 19.4
ALT/AZ=55.3 90.8
fwAVG=1.81
sdW=191.2
fwW=1.76
sdS=381.9
fwS=1.57
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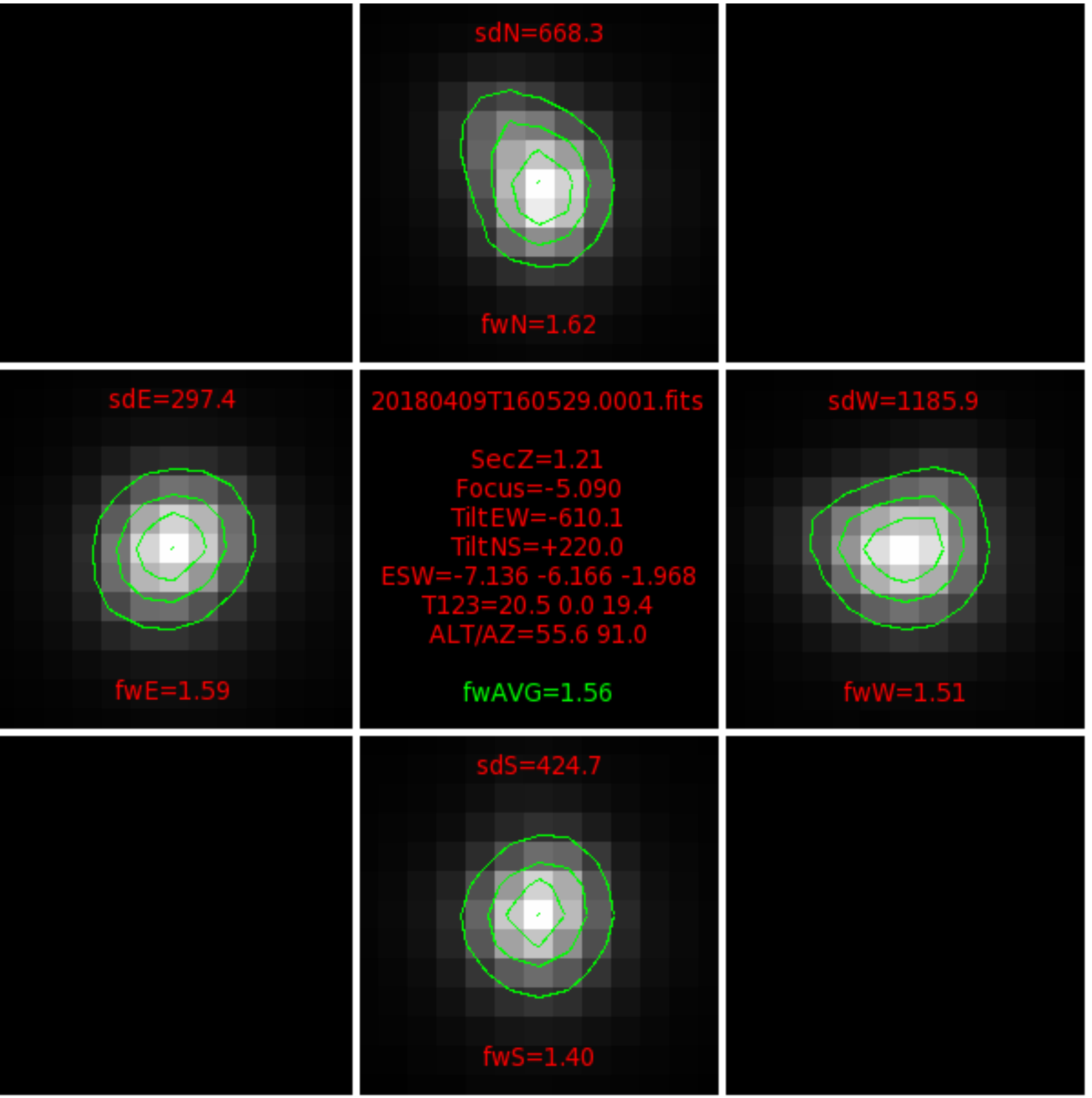
sdN=668.3
fwN=1.62
sdE=297.4
fwE=1.59
20180409T160529.0001.fits
SecZ=1.21
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.4
ALT/AZ=55.6 91.0
fwAVG=1.56
sdW=1185.9
fwW=1.51
sdS=424.7
fwS=1.40
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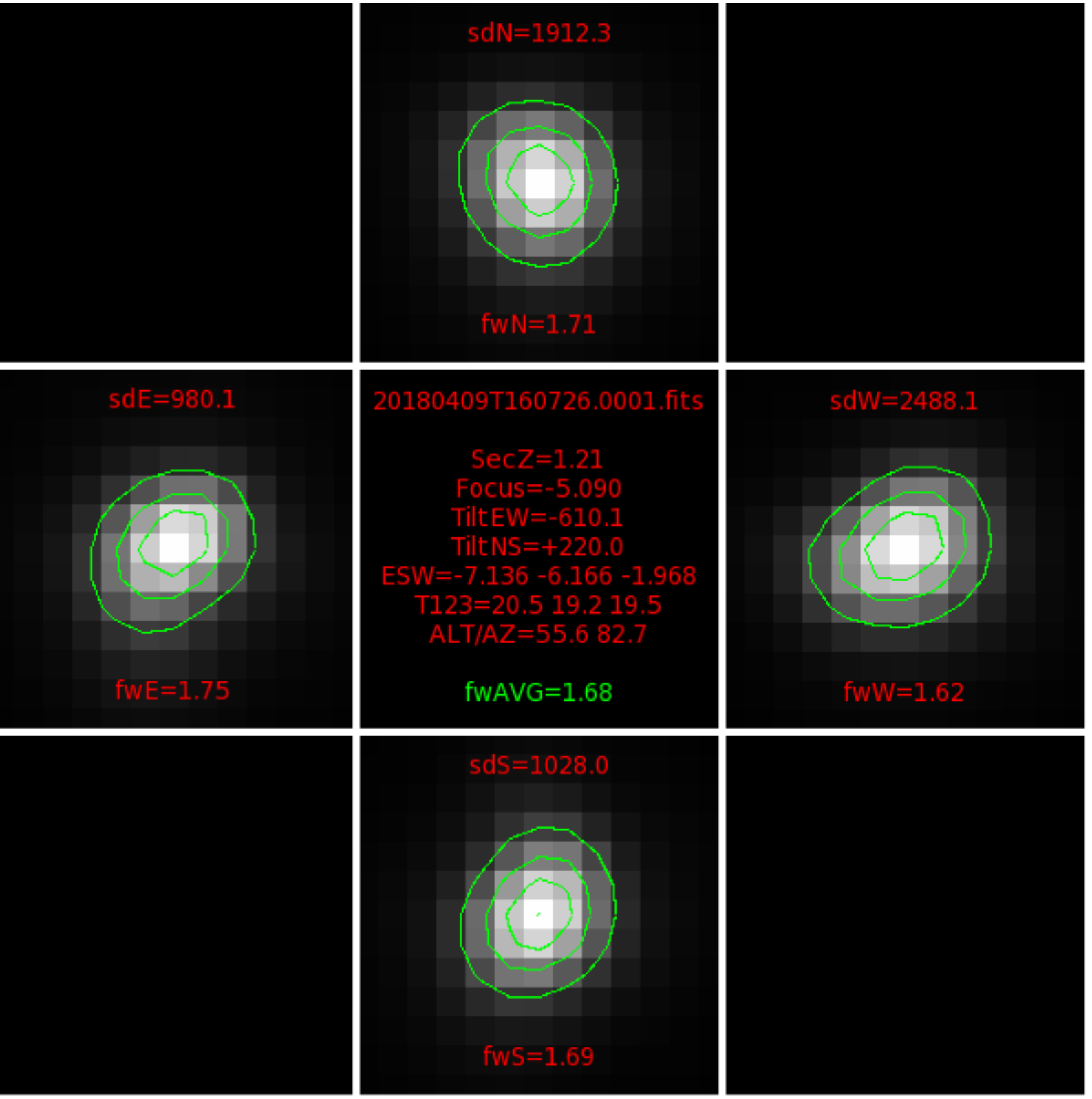
sdN=1912.3
fwN=1.71
sdE=980.1
fwE=1.75
20180409T160726.0001.fits
SecZ=1.21
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.2 19.5
ALT/AZ=55.6 82.7
fwAVG=1.68
sdW=2488.1
fwW=1.62
sdS=1028.0
fwS=1.69
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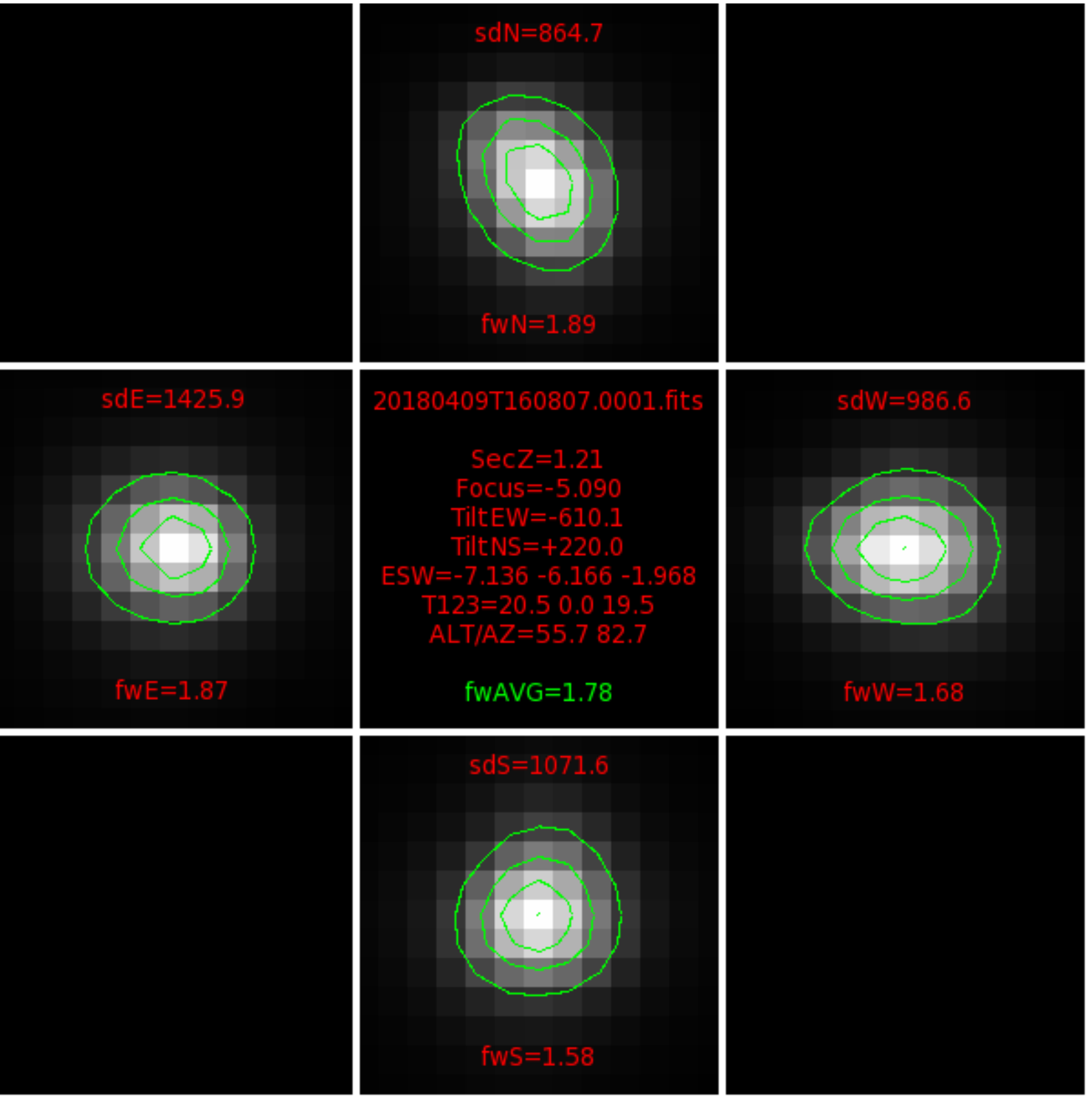
sdN=864.7
fwN=1.89
sdE=1425.9
fwE=1.87
20180409T160807.0001.fits
SecZ=1.21
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.5
ALT/AZ=55.7 82.7
fwAVG=1.78
sdW=986.6
fwW=1.68
sdS=1071.6
fwS=1.58
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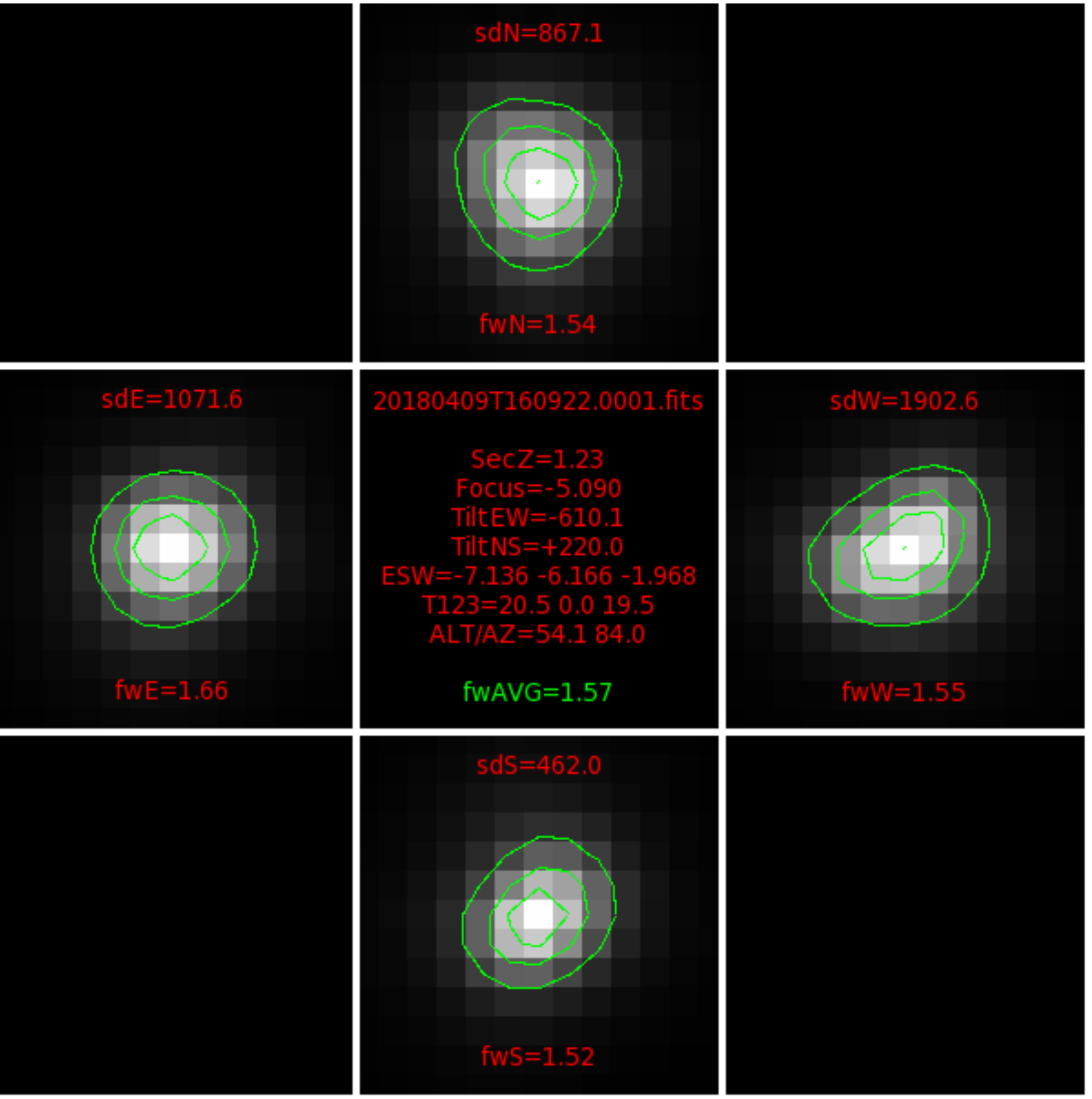
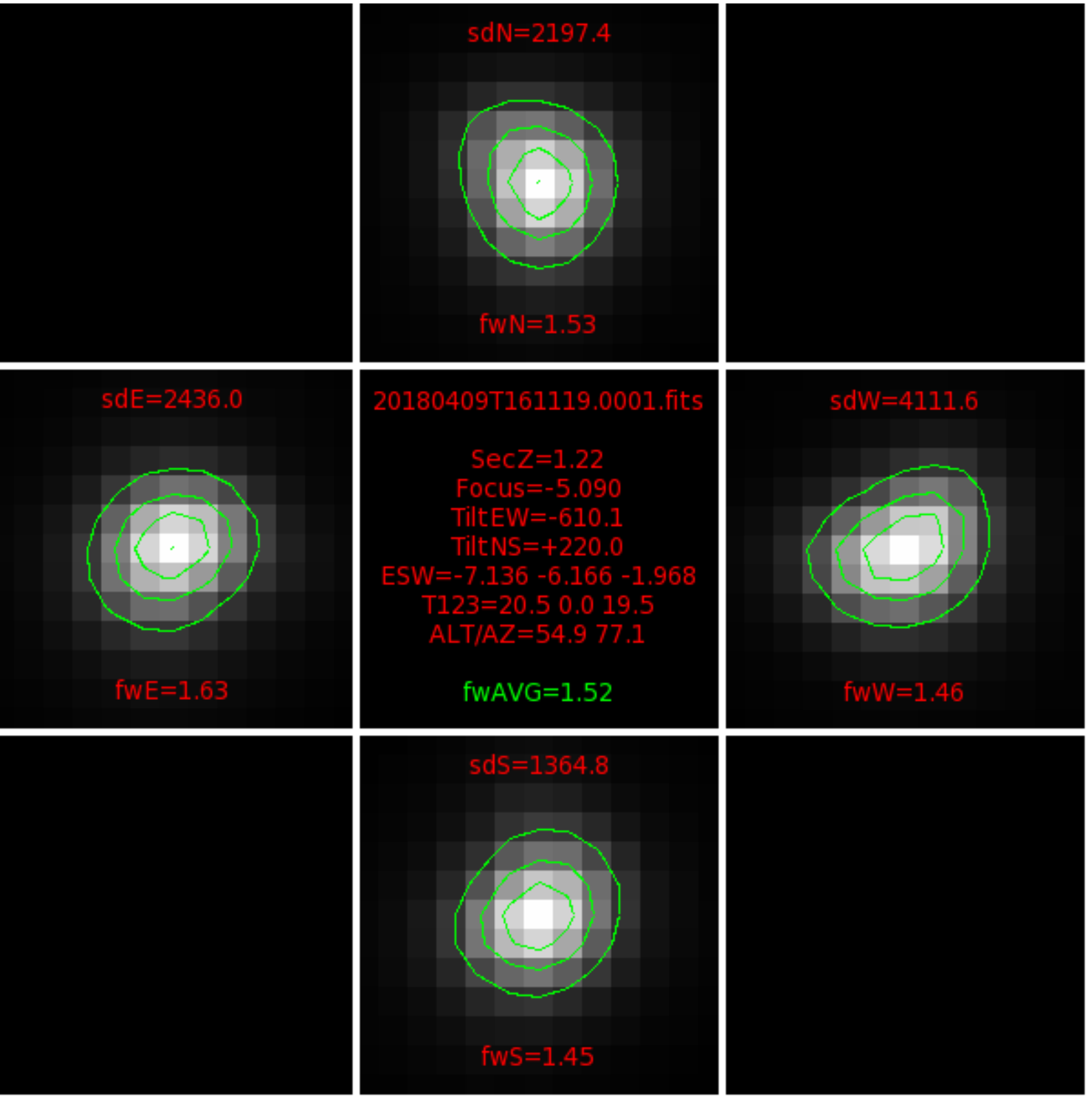

sdN=867.1
fwN=1.54
sdE=1071.6
fwE=1.66
20180409T160922.0001.fits
SecZ=1.23
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.5
ALT/AZ=54.1 84.0
fwAVG=1.57
sdW=1902.6
fwW=1.55
sdS=462.0
fwS=1.52
0 0 0 0 0 0 0 0 0


sdN=2197.4
fwN=1.53
sdE=2436.0
fwE=1.63
20180409T161119.0001.fits
SecZ=1.22
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.5
ALT/AZ=54.9 77.1
fwAVG=1.52
sdW=4111.6
fwW=1.46
sdS=1364.8
fwS=1.45
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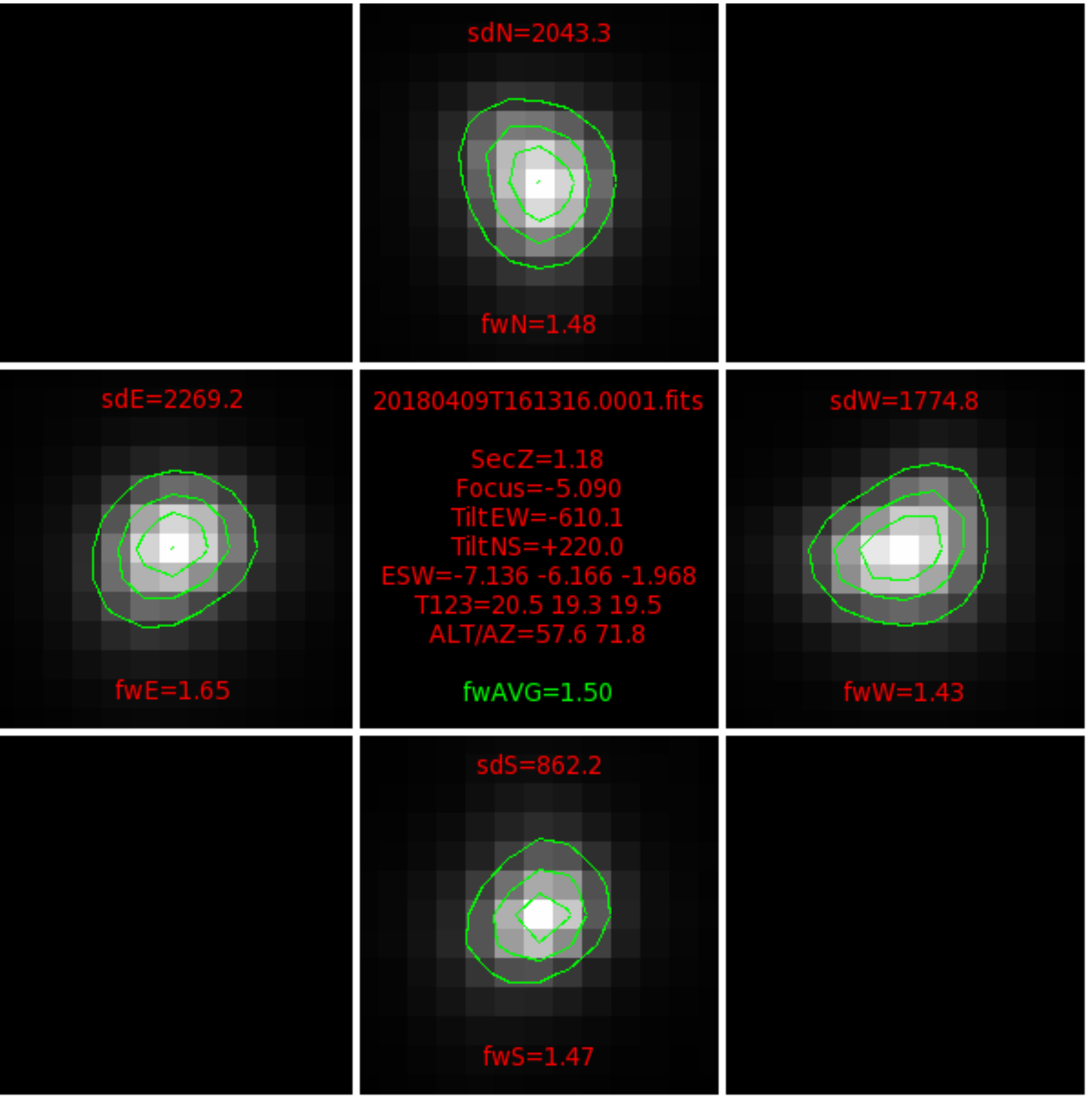
sdN=2043.3
fwN=1.48
sdE=2269.2
fwE=1.65
20180409T161316.0001.fits
SecZ=1.18
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.3 19.5
ALT/AZ=57.6 71.8
fwAVG=1.50
sdW=1774.8
fwW=1.43
sdS=862.2
fwS=1.47
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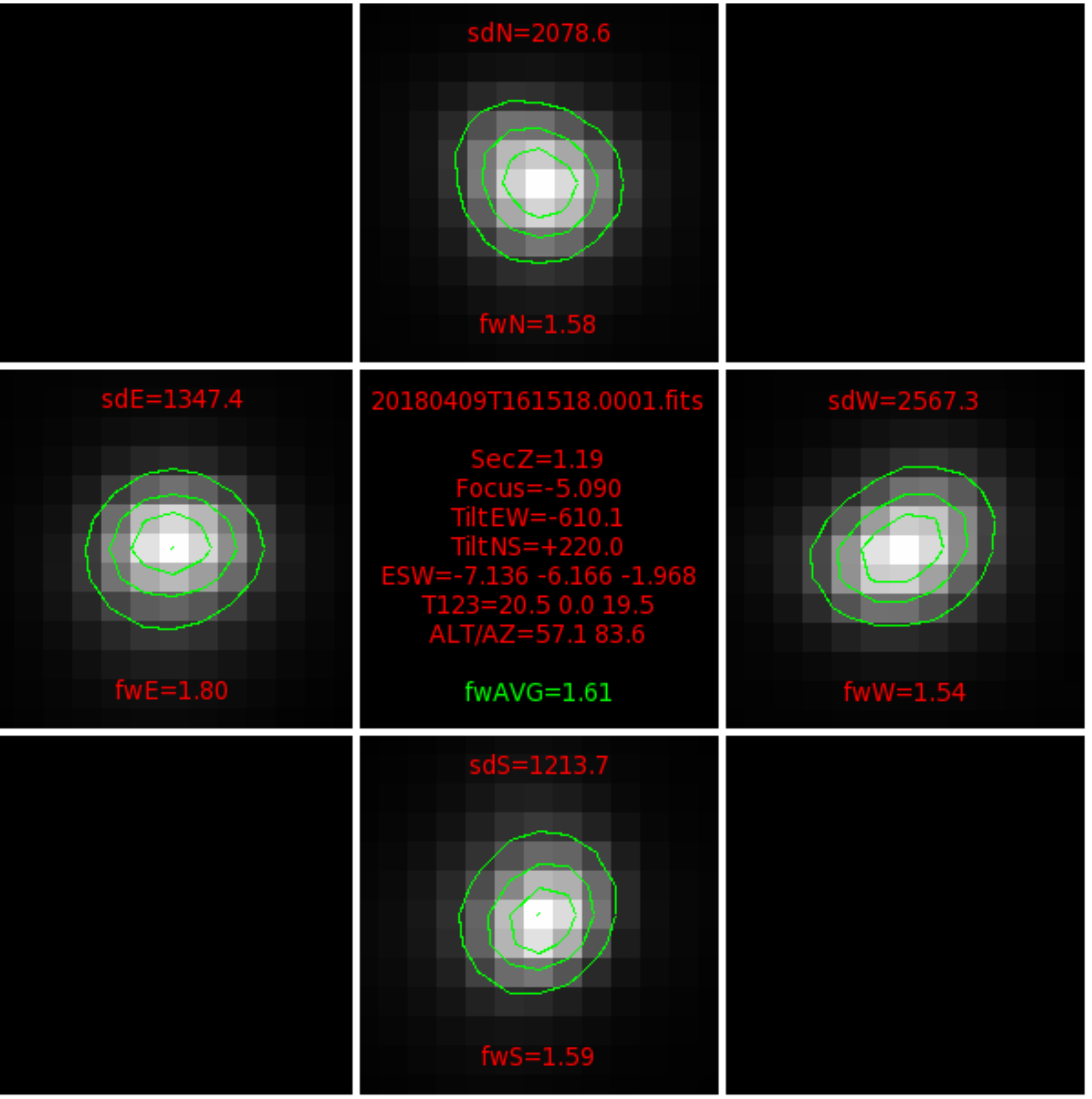
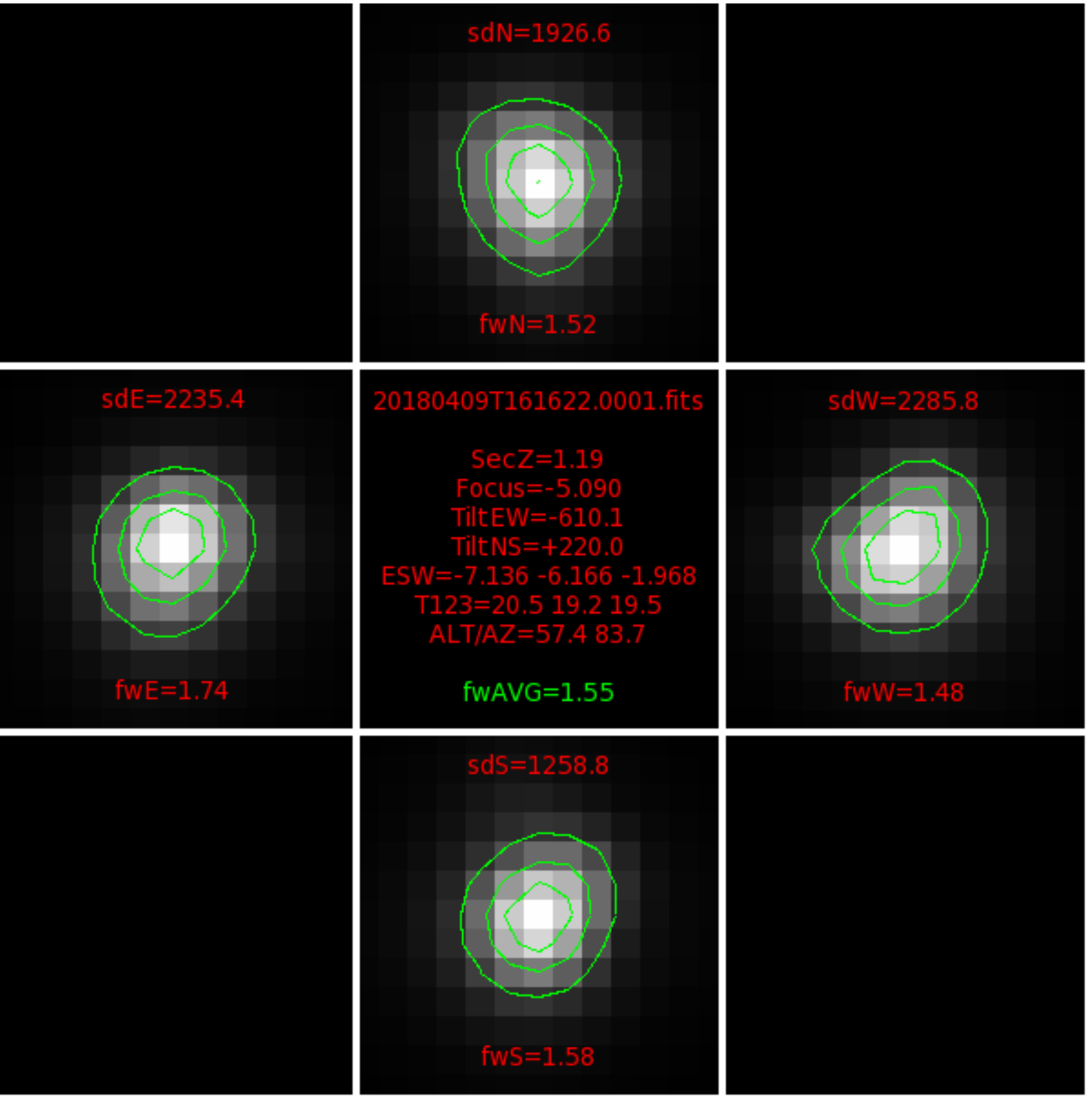

sdN=2078.6
fwN=1.58
sdE=1347.4
fwE=1.80
20180409T161518.0001.fits
SecZ=1.19
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.5
ALT/AZ=57.1 83.6
fwAVG=1.61
sdW=2567.3
fwW=1.54
sdS=1213.7
fwS=1.59
0 0 0 0 0 0 0 0 0


sdN=1926.6
fwN=1.52
sdE=2235.4
fwE=1.74
20180409T161622.0001.fits
SecZ=1.19
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.2 19.5
ALT/AZ=57.4 83.7
fwAVG=1.55
sdW=2285.8
fwW=1.48
sdS=1258.8
fwS=1.58
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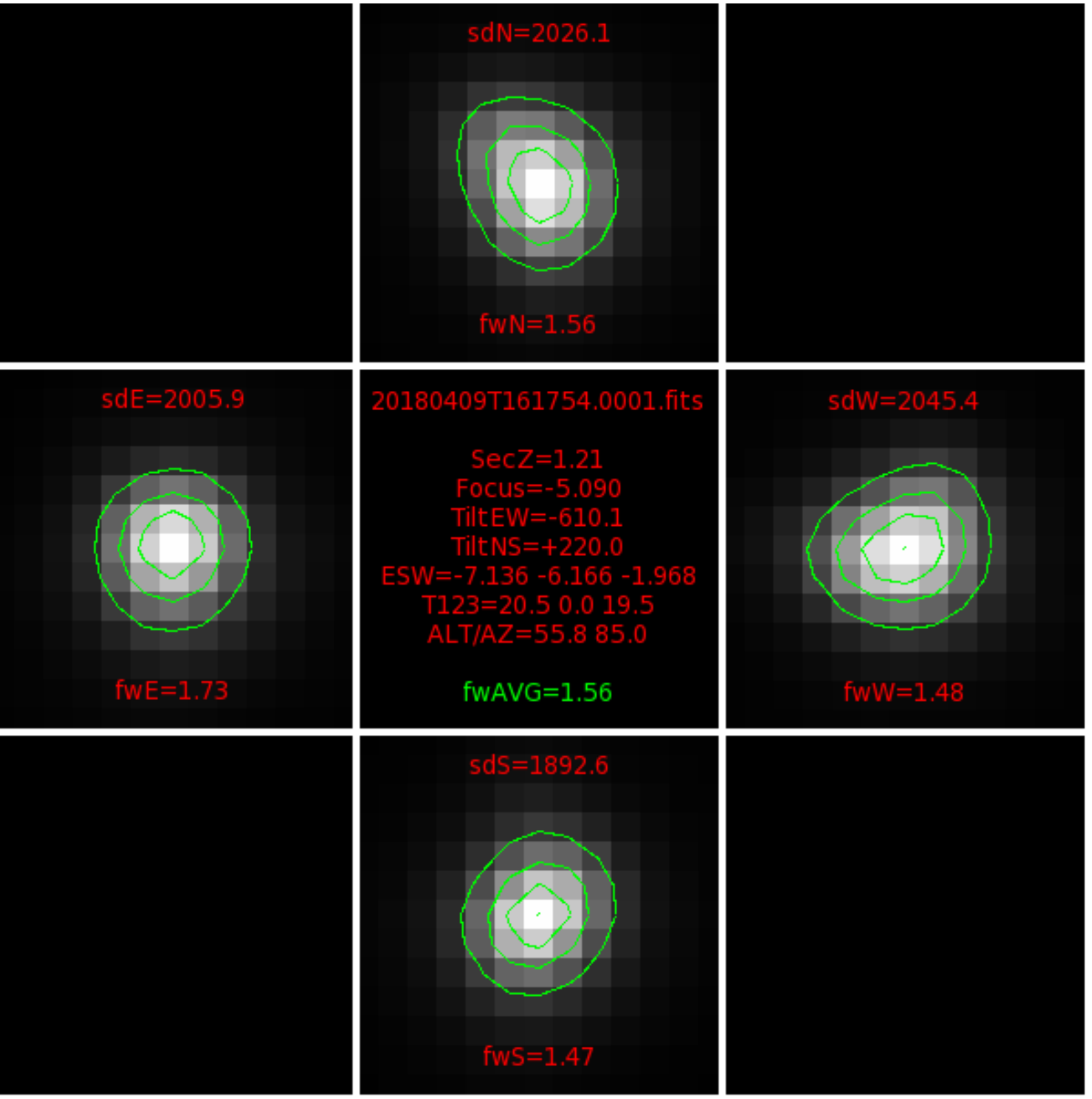
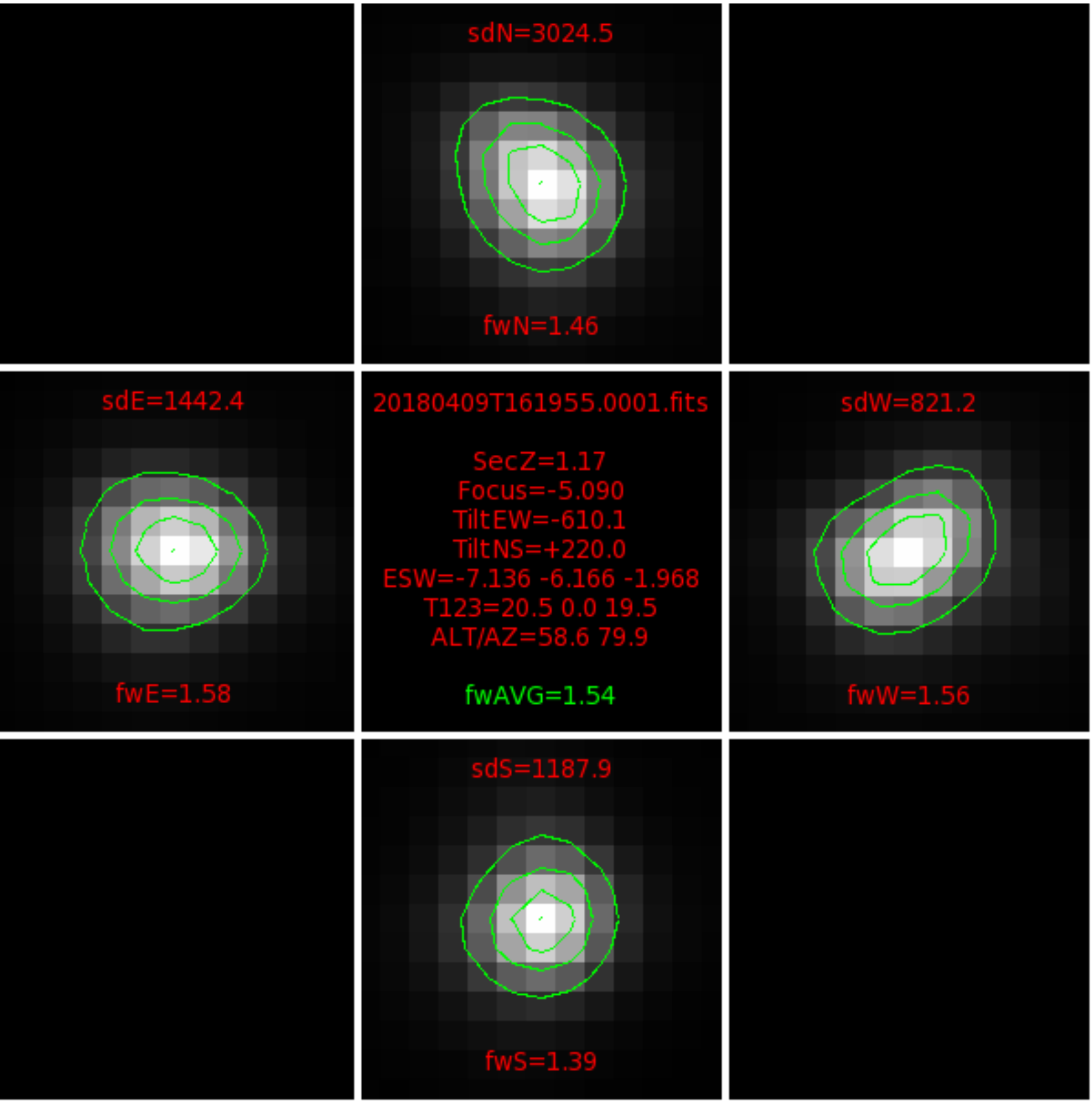

sdN=2026.1
fwN=1.56
sdE=2005.9
fwE=1.73
20180409T161754.0001.fits
SecZ=1.21
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.5
ALT/AZ=55.8 85.0
fwAVG=1.56
sdW=2045.4
fwW=1.48
sdS=1892.6
fwS=1.47
0 0 0 0 0 0 0 0 0


sdN=3024.5
fwN=1.46
sdE=1442.4
fwE=1.58
20180409T161955.0001.fits
SecZ=1.17
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.5
ALT/AZ=58.6 79.9
fwAVG=1.54
sdW=821.2
fwW=1.56
sdS=1187.9
fwS=1.39
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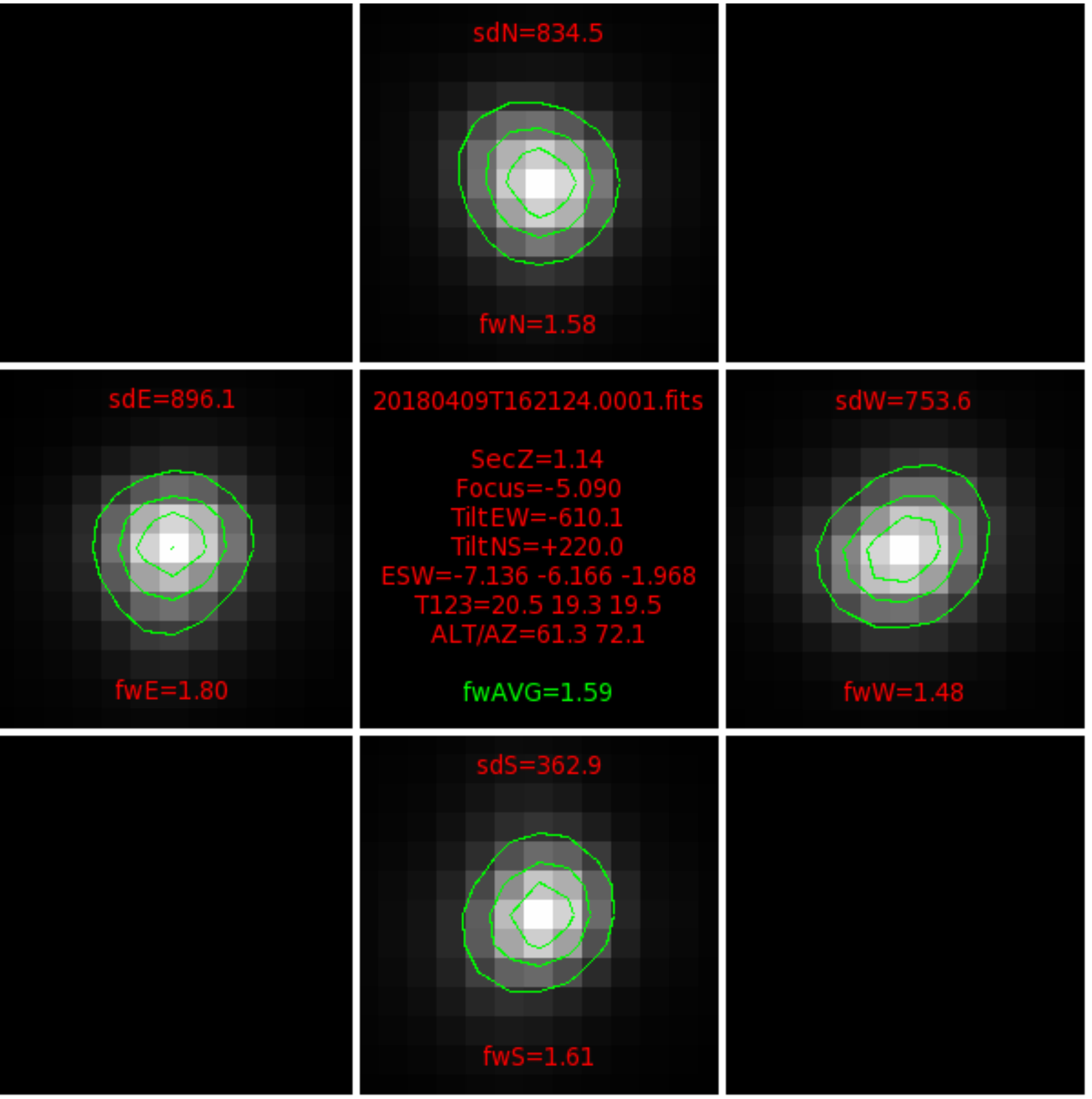
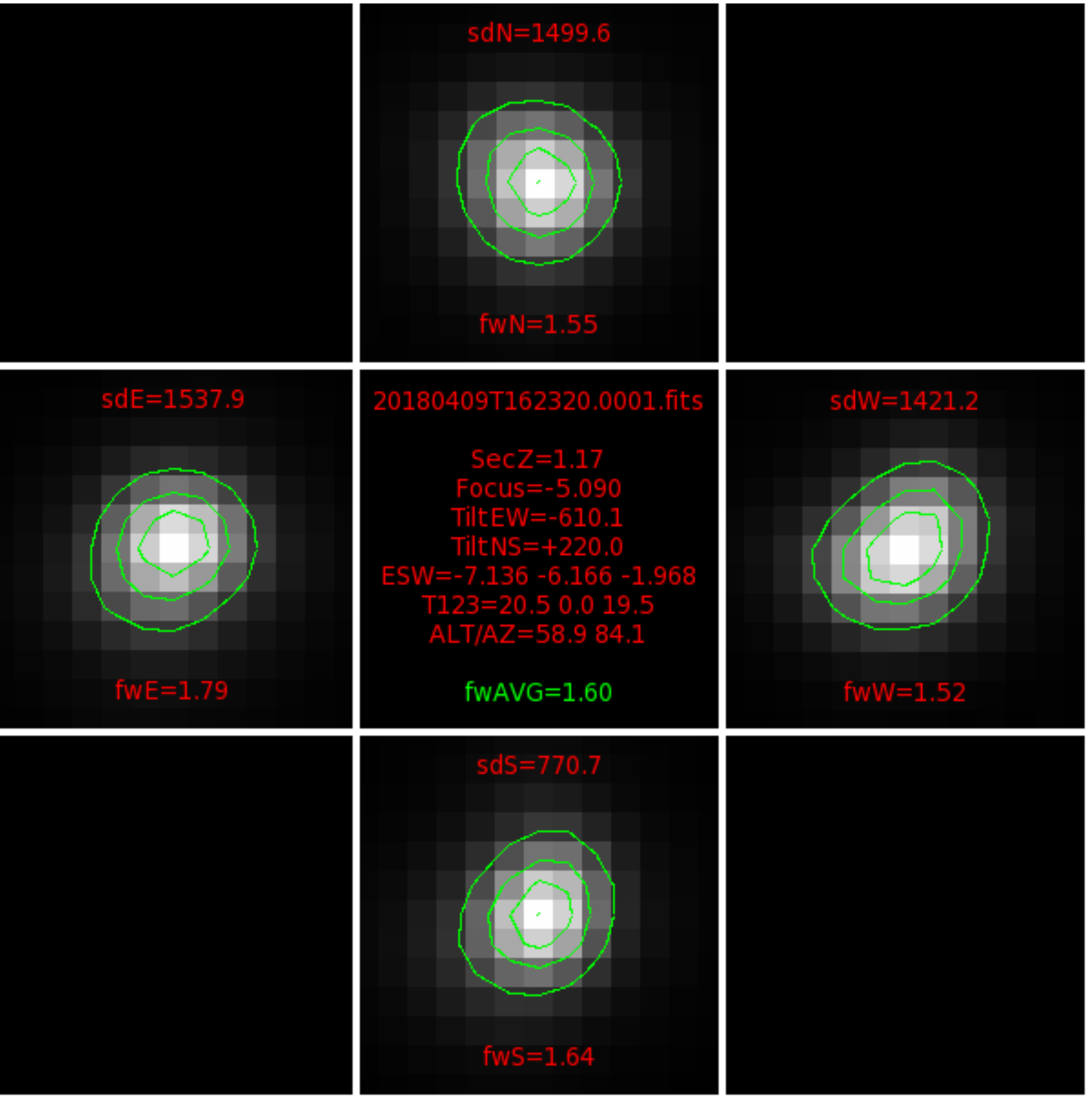

sdN=834.5
fwN=1.58
sdE=896.1
fwE=1.80
20180409T162124.0001.fits
SecZ=1.14
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.3 19.5
ALT/AZ=61.3 72.1
fwAVG=1.59
sdW=753.6
fwW=1.48
sdS=362.9
fwS=1.61
0 0 0 0 0 0 0 0 0


sdN=1499.6
fwN=1.55
sdE=1537.9
fwE=1.79
20180409T162320.0001.fits
SecZ=1.17
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.5
ALT/AZ=58.9 84.1
fwAVG=1.60
sdW=1421.2
fwW=1.52
sdS=770.7
fwS=1.64
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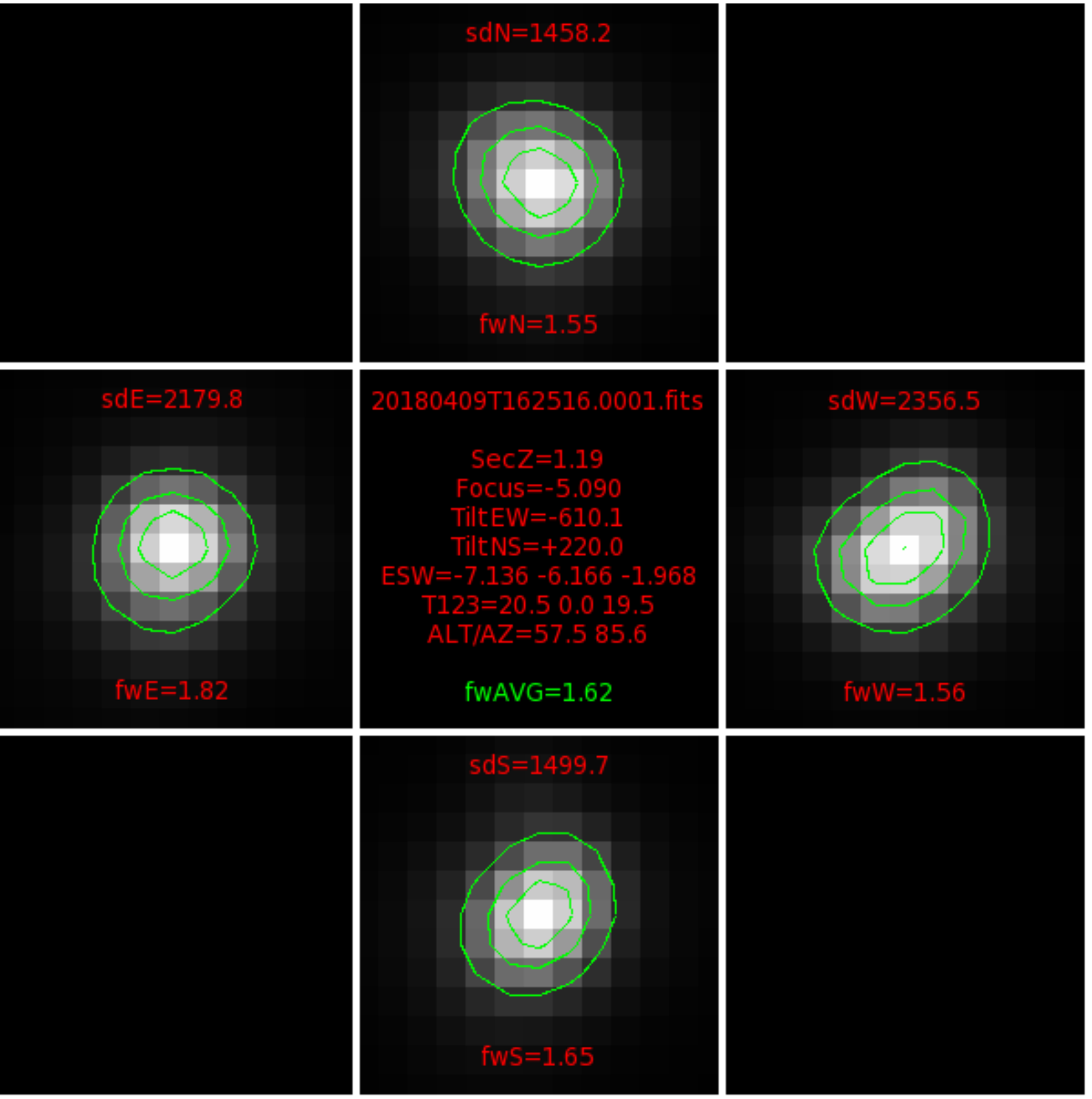
sdN=1458.2
fwN=1.55
sdE=2179.8
fwE=1.82
20180409T162516.0001.fits
SecZ=1.19
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.5
ALT/AZ=57.5 85.6
fwAVG=1.62
sdW=2356.5
fwW=1.56
sdS=1499.7
fwS=1.65
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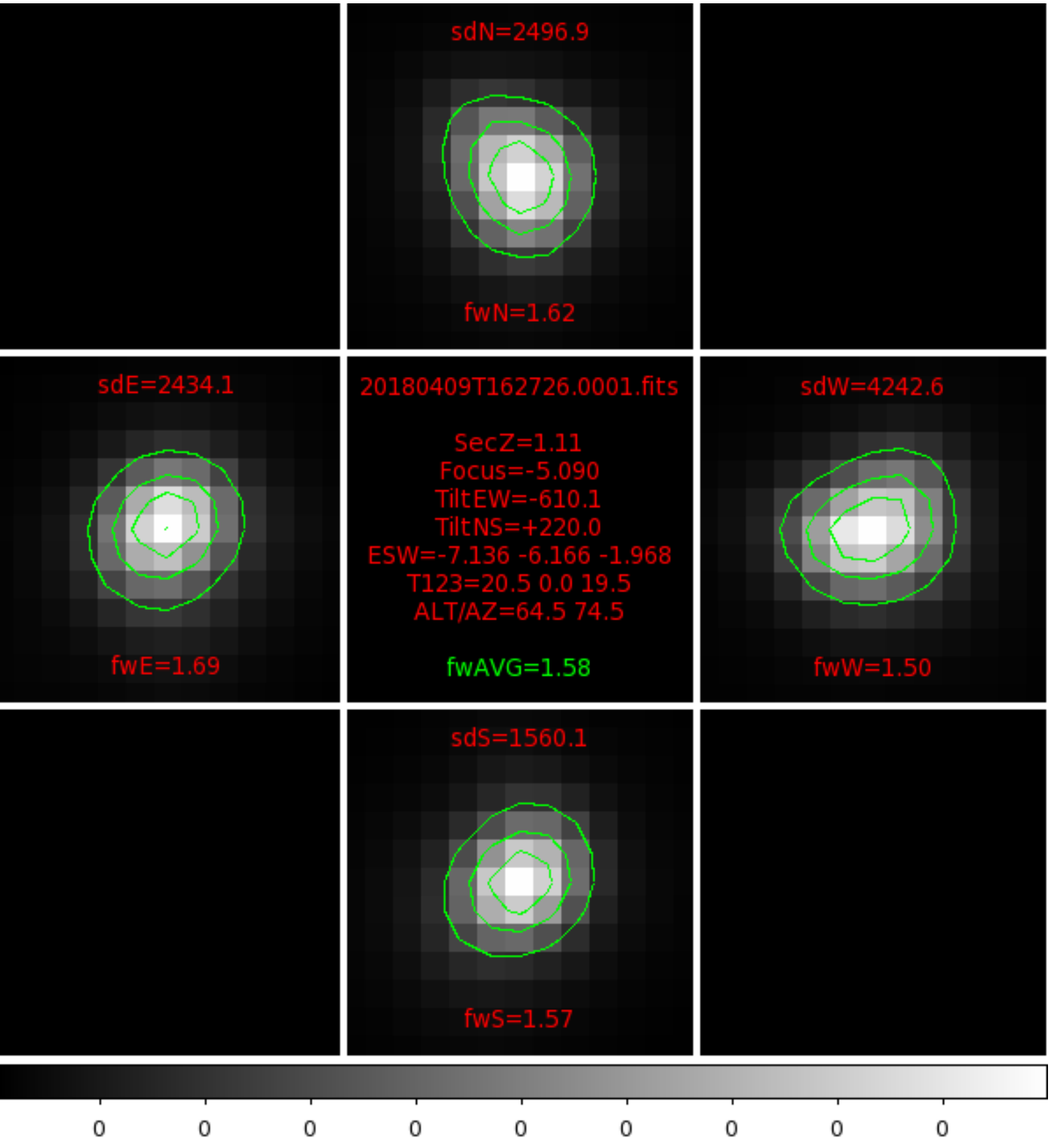
sdN=2496.9
fwN=1.62
sdE=2434.1
fwE=1.69
20180409T162726.0001.fits
SecZ=1.11
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.5
ALT/AZ=64.5 74.5
fwAVG=1.58
sdW=4242.6
fwW=1.50
sdS=1560.1
fwS=1.57
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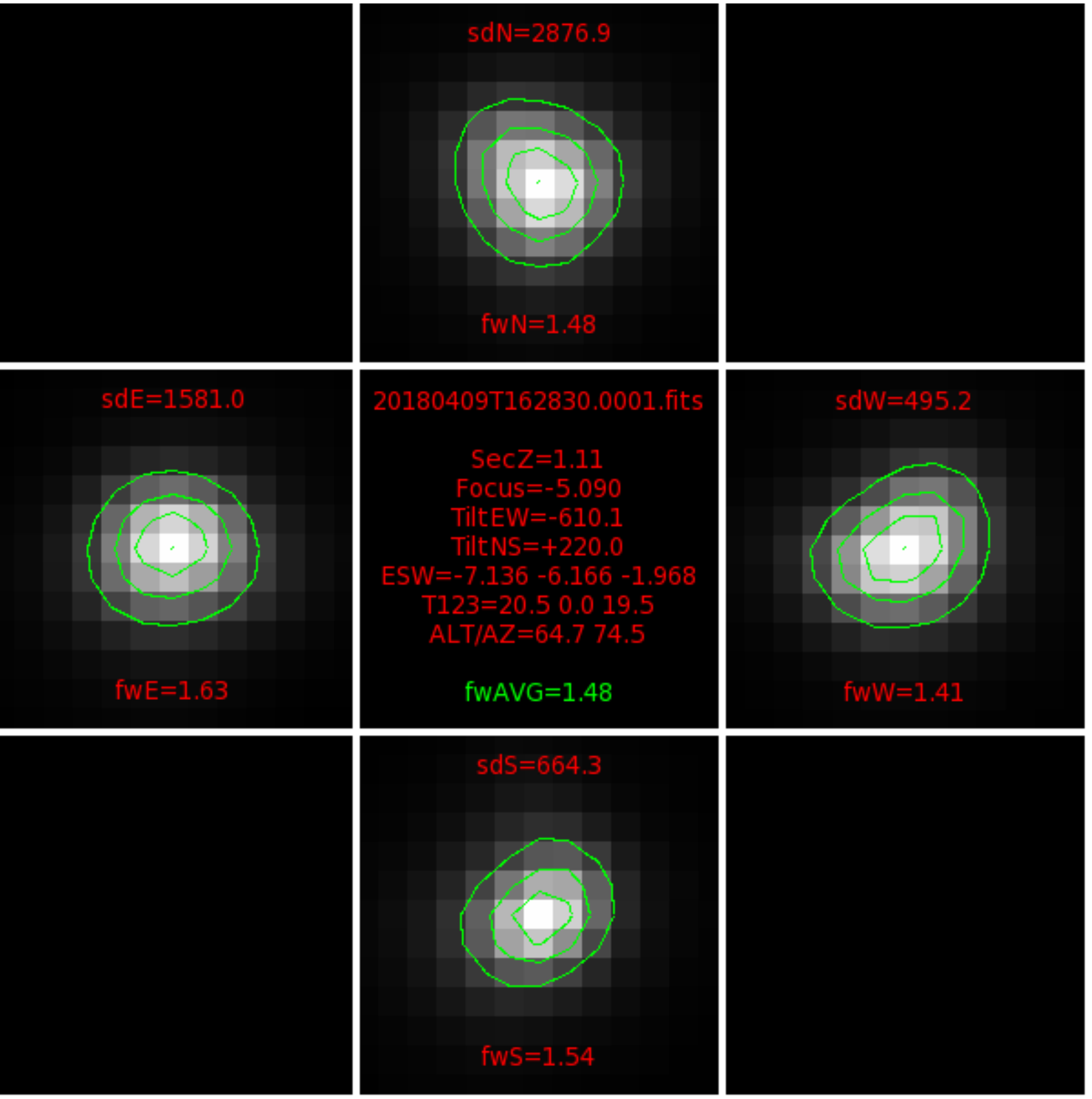
sdN=2876.9
fwN=1.48
sdE=1581.0
fwE=1.63
20180409T162830.0001.fits
SecZ=1.11
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.5
ALT/AZ=64.7 74.5
fwAVG=1.48
sdW=495.2
fwW=1.41
sdS=664.3
fwS=1.54
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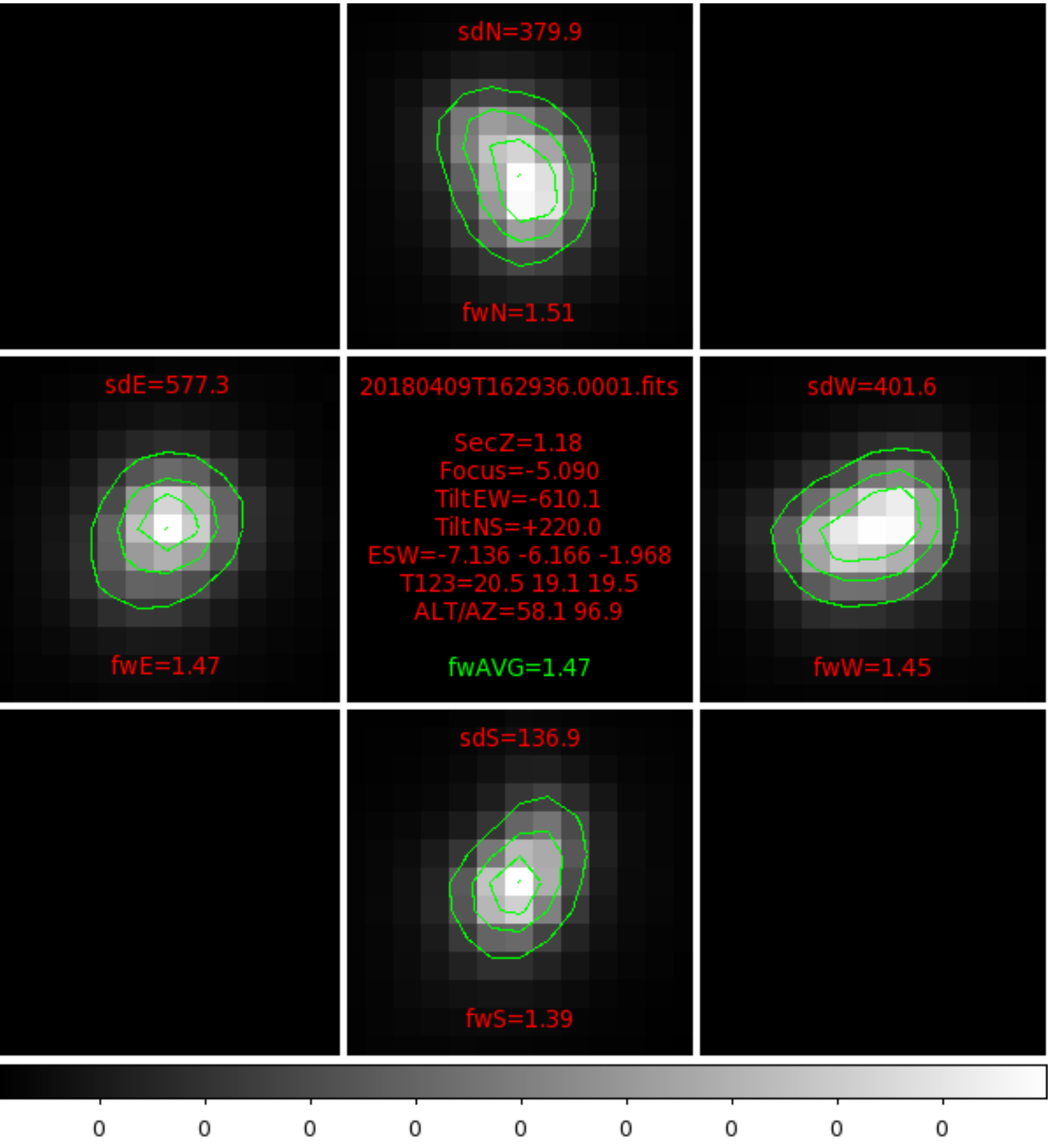
sdN=379.9
fwN=1.51
sdE=577.3
fwE=1.47
20180409T162936.0001.fits
SecZ=1.18
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.1 19.5
ALT/AZ=58.1 96.9
fwAVG=1.47
sdW=401.6
fwW=1.45
sdS=136.9
fwS=1.39
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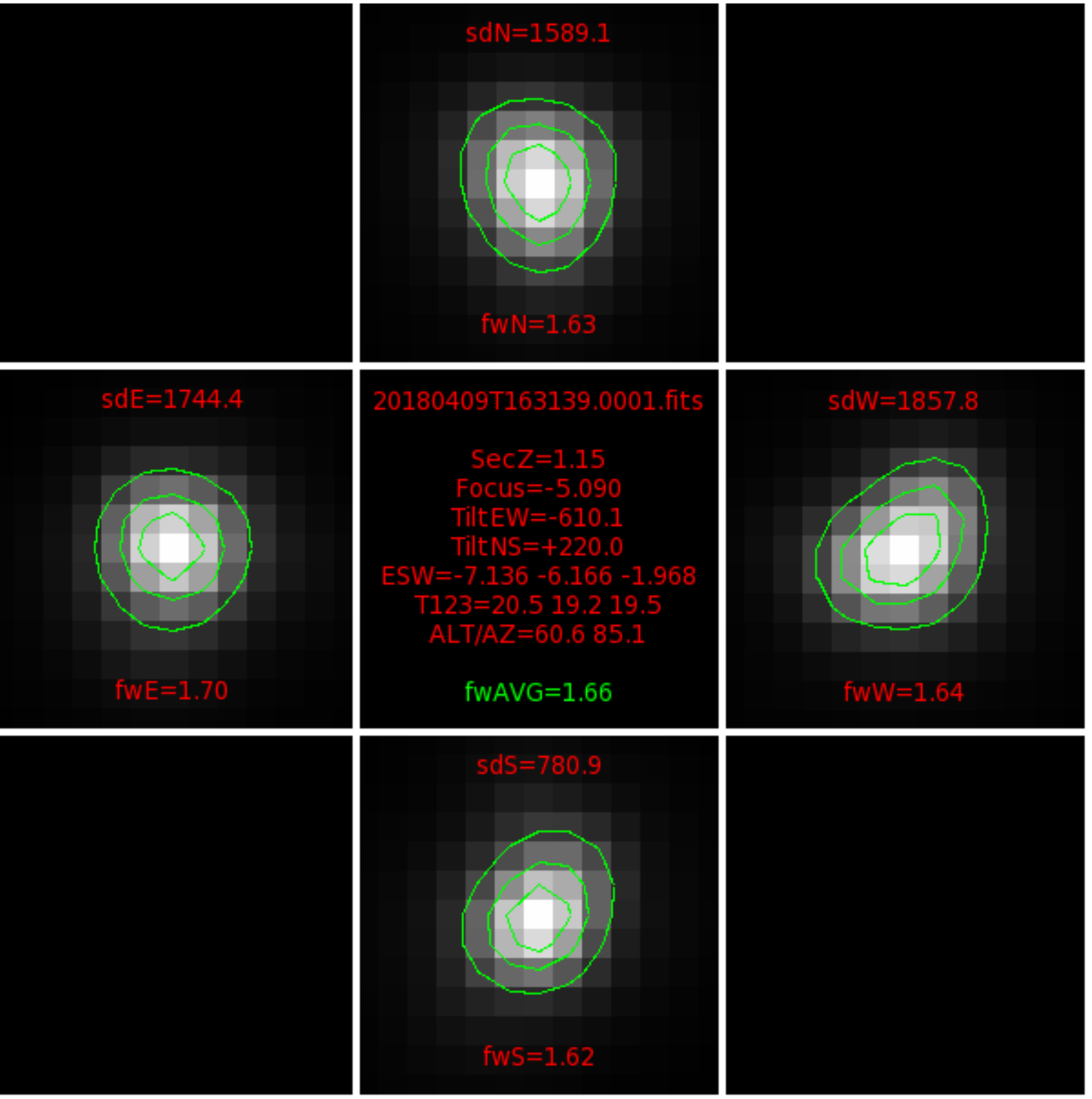
sdN=1589.1
fwN=1.63
sdE=1744.4
fwE=1.70
20180409T163139.0001.fits
SecZ=1.15
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.2 19.5
ALT/AZ=60.6 85.1
fwAVG=1.66
sdW=1857.8
fwW=1.64
sdS=780.9
fwS=1.62
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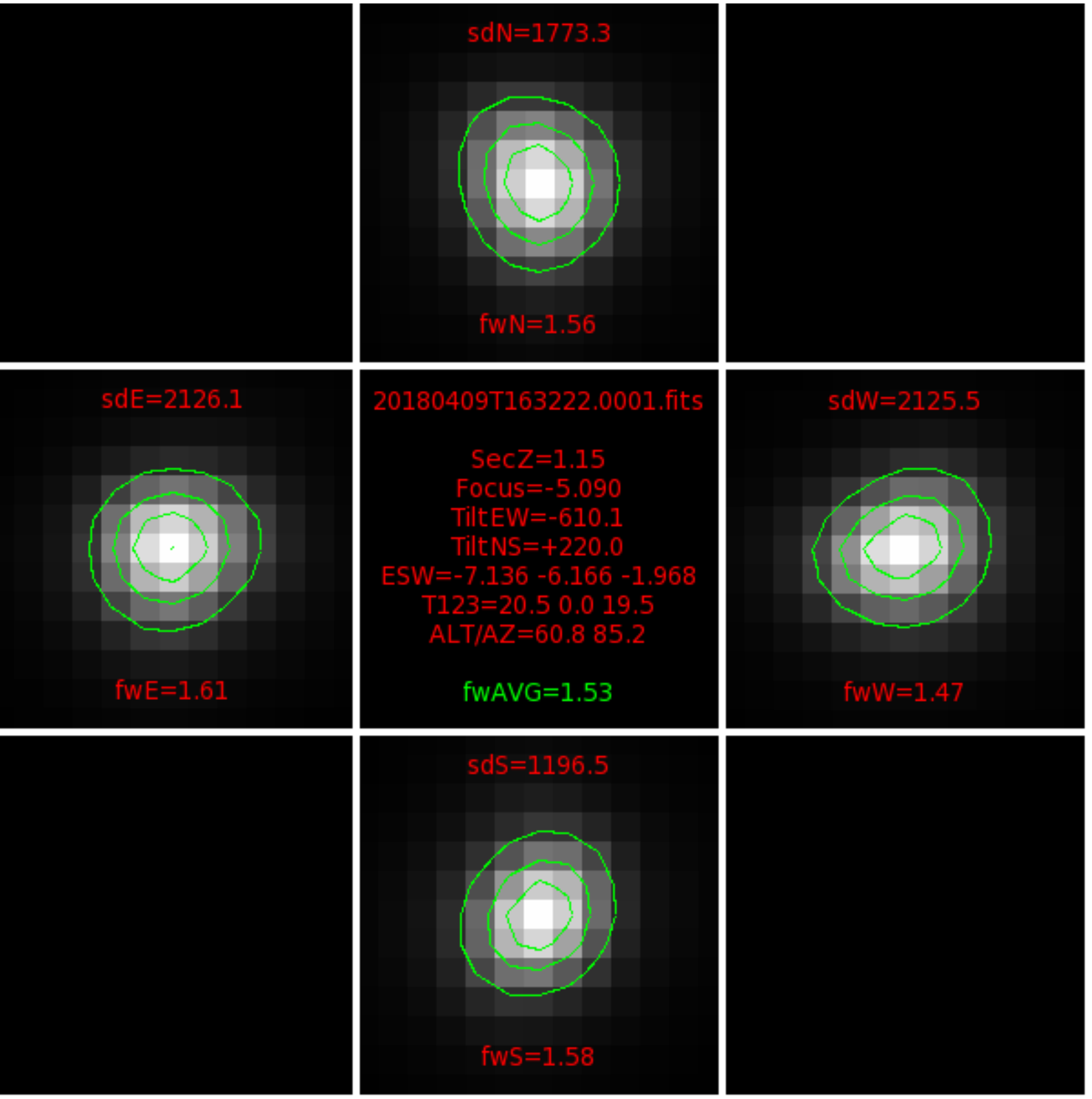
sdN=1773.3
fwN=1.56
sdE=2126.1
fwE=1.61
20180409T163222.0001.fits
SecZ=1.15
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.5
ALT/AZ=60.8 85.2
fwAVG=1.53
sdW=2125.5
fwW=1.47
sdS=1196.5
fwS=1.58
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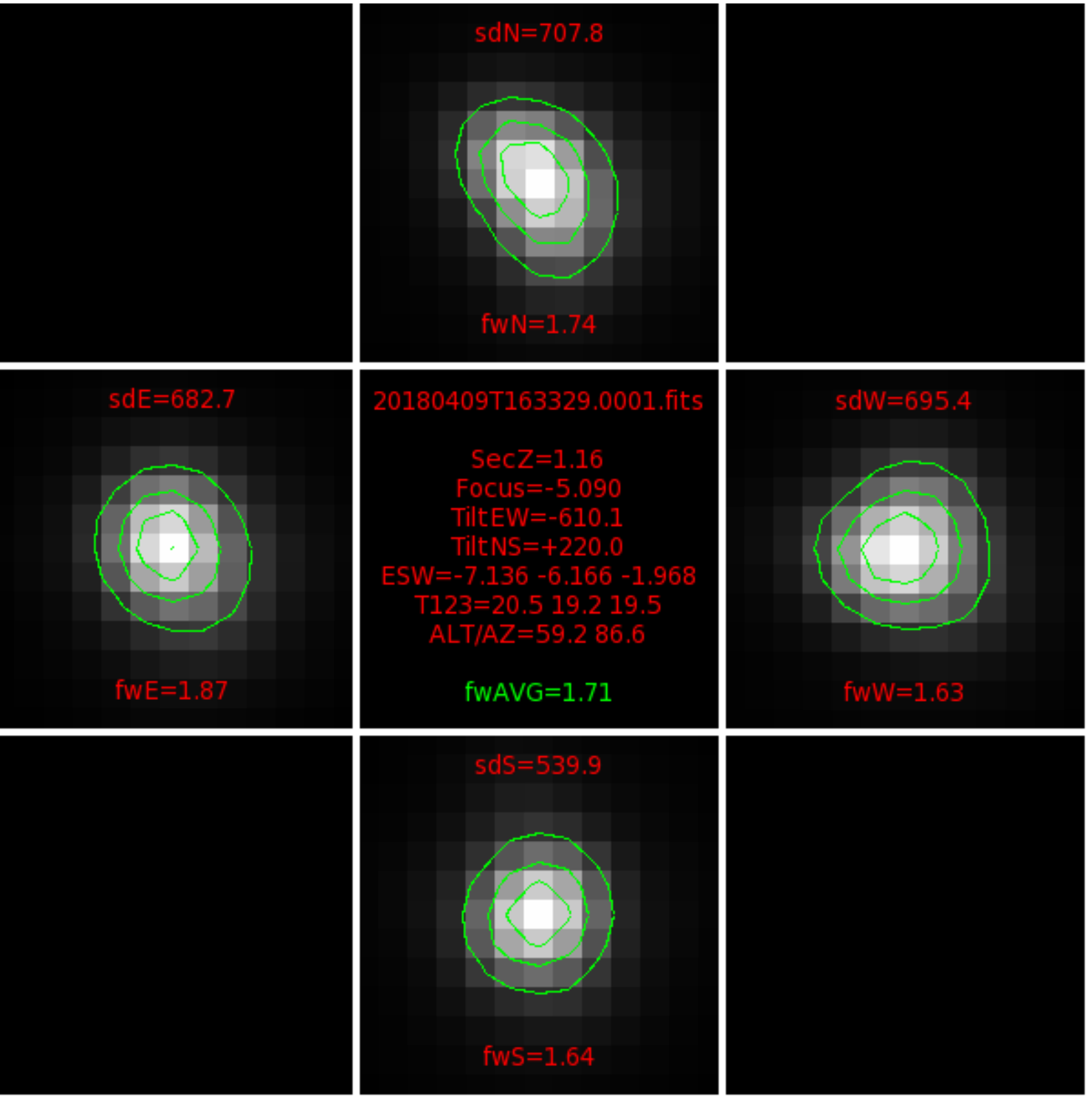
sdN=707.8
fwN=1.74
sdE=682.7
fwE=1.87
20180409T163329.0001.fits
SecZ=1.16
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.2 19.5
ALT/AZ=59.2 86.6
fwAVG=1.71
sdW=695.4
fwW=1.63
sdS=539.9
fwS=1.64
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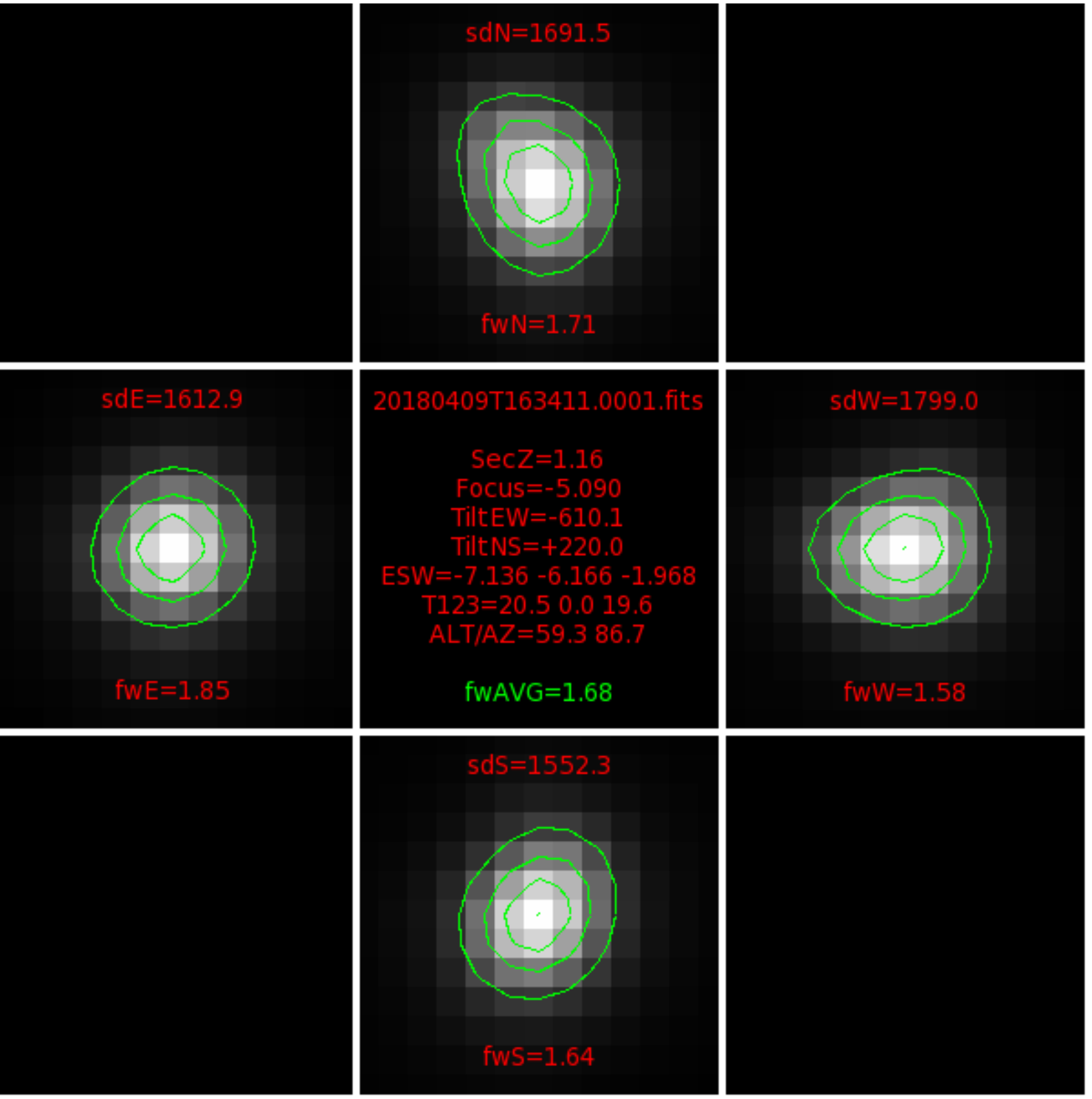
sdN=1691.5
fwN=1.71
sdE=1612.9
fwE=1.85
20180409T163411.0001.fits
SecZ=1.16
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.6
ALT/AZ=59.3 86.7
fwAVG=1.68
sdW=1799.0
fwW=1.58
sdS=1552.3
fwS=1.64
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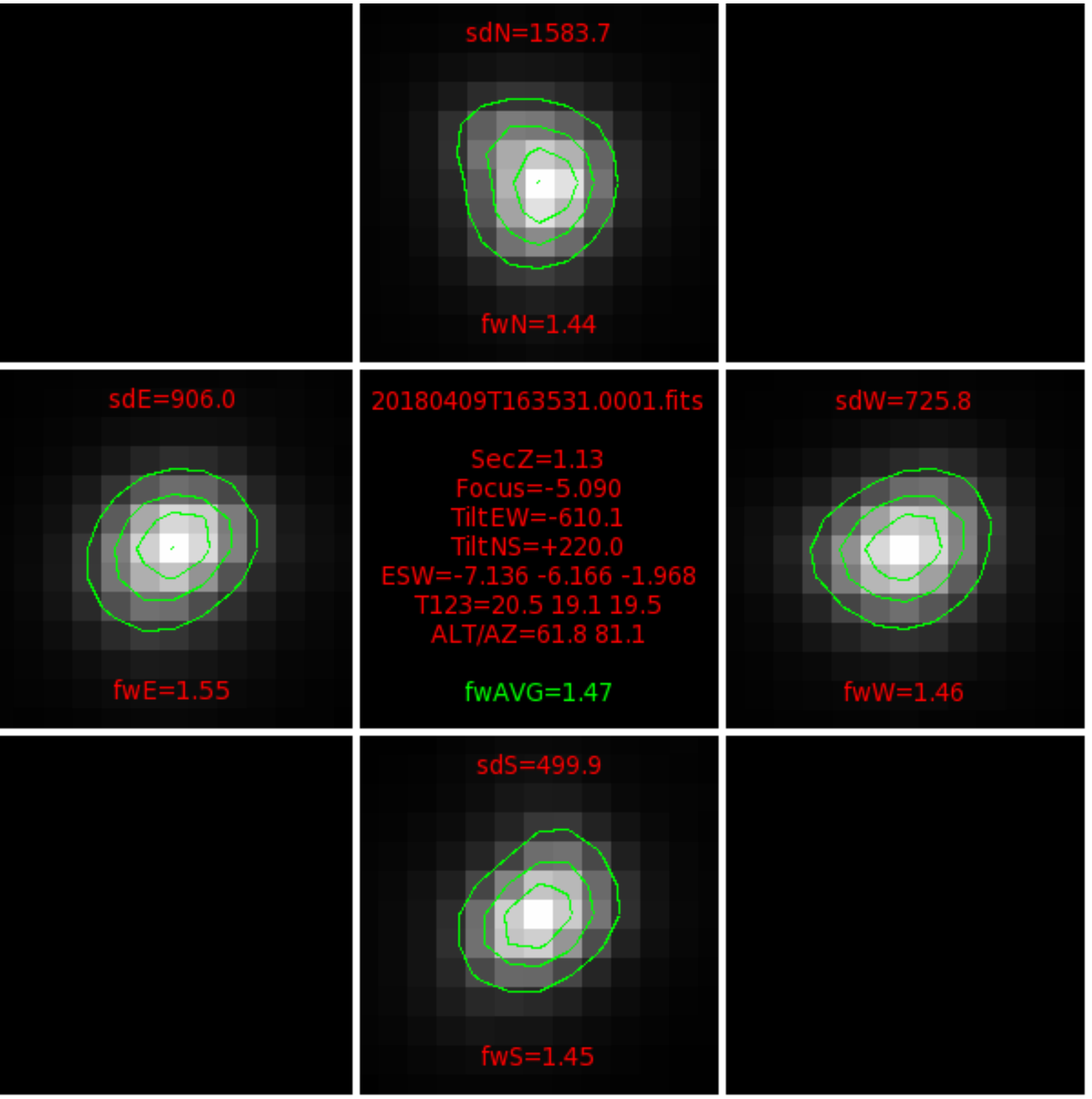
sdN=1583.7
fwN=1.44
sdE=906.0
fwE=1.55
20180409T163531.0001.fits
SecZ=1.13
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.1 19.5
ALT/AZ=61.8 81.1
fwAVG=1.47
sdW=725.8
fwW=1.46
sdS=499.9
fwS=1.45
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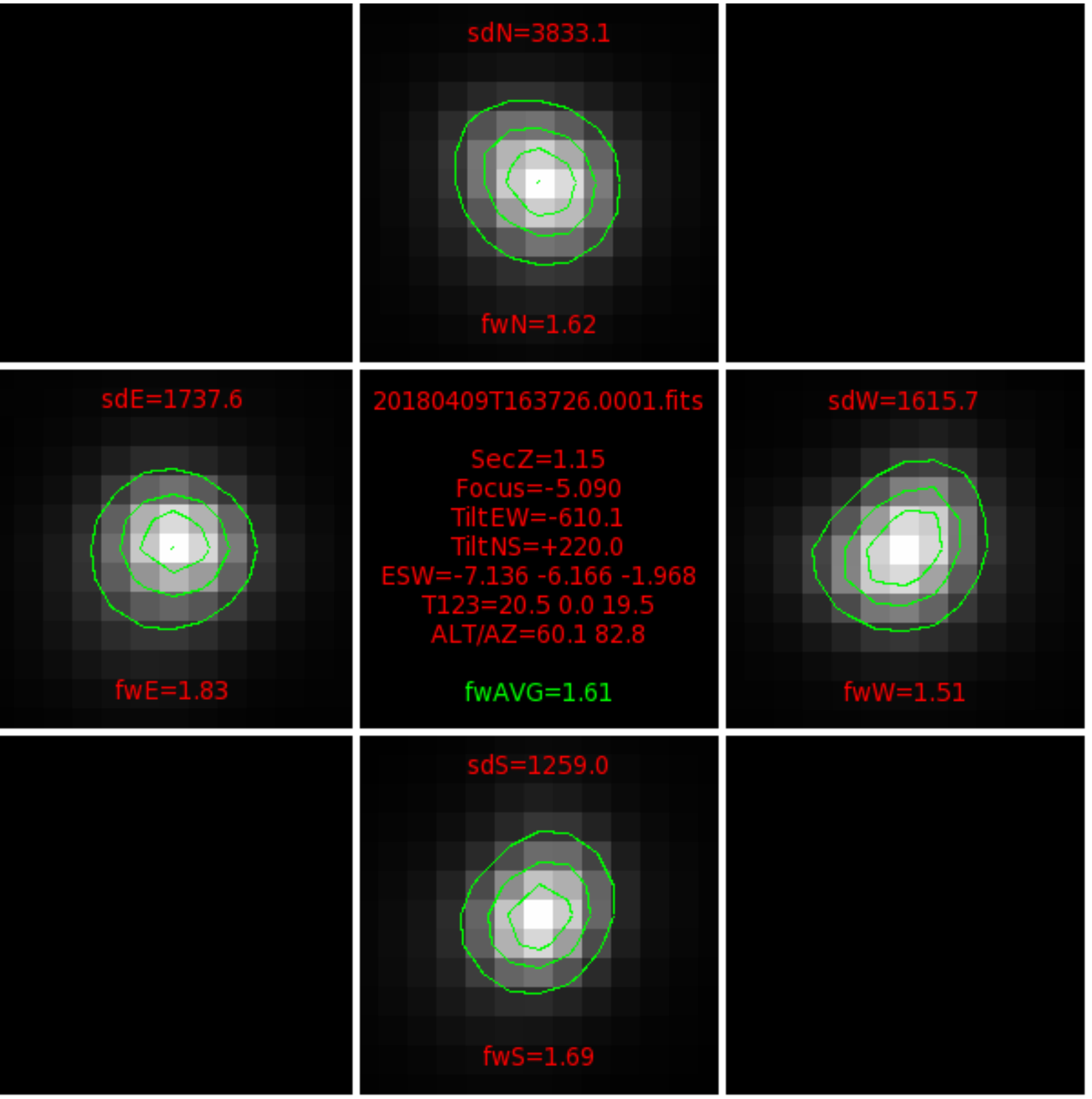
sdN=3833.1
fwN=1.62
sdE=1737.6
fwE=1.83
20180409T163726.0001.fits
SecZ=1.15
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.5
ALT/AZ=60.1 82.8
fwAVG=1.61
sdW=1615.7
fwW=1.51
sdS=1259.0
fwS=1.69
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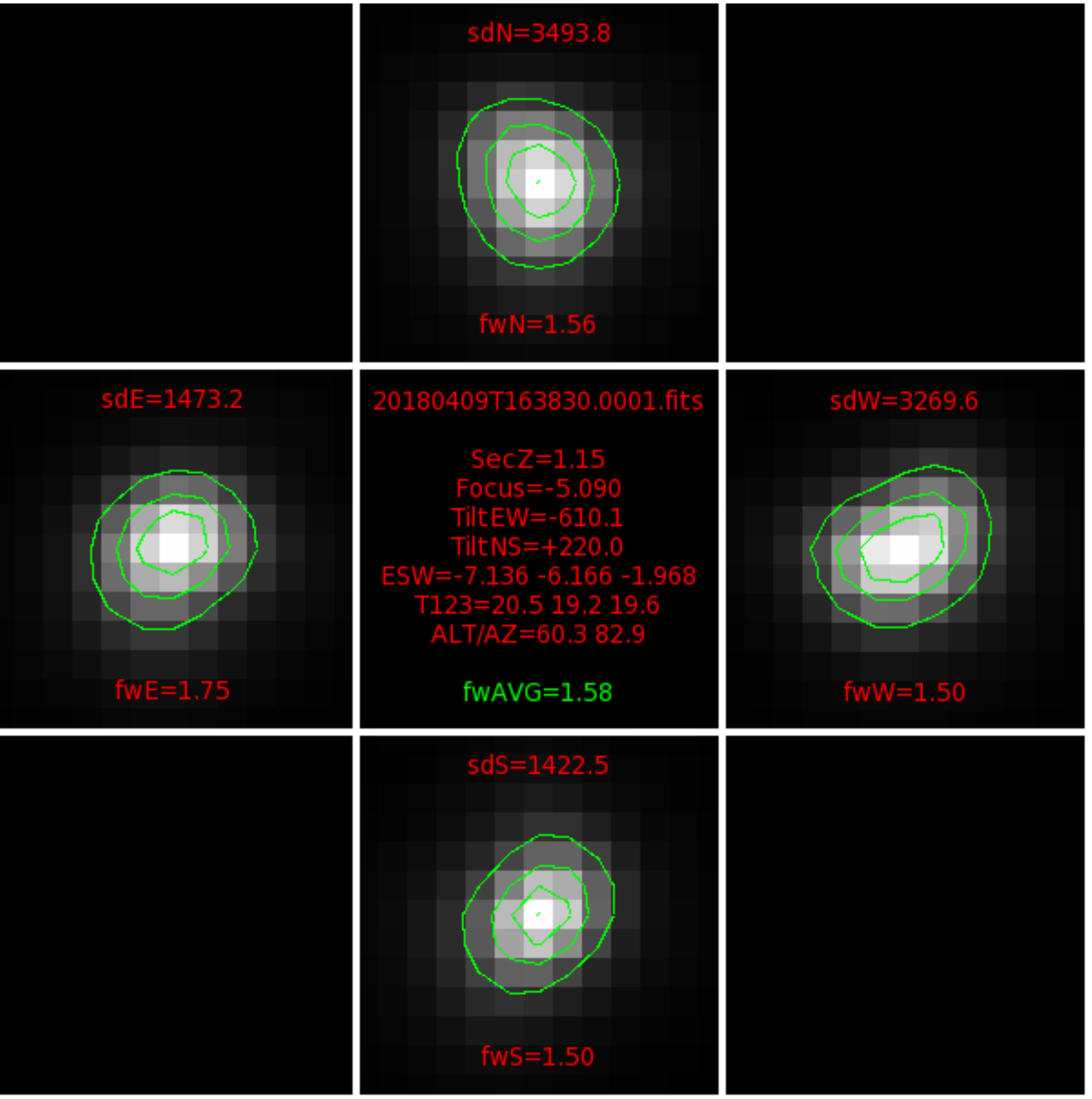
sdN=3493.8
fwN=1.56
sdE=1473.2
fwE=1.75
20180409T163830.0001.fits
SecZ=1.15
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.2 19.6
ALT/AZ=60.3 82.9
fwAVG=1.58
sdW=3269.6
fwW=1.50
sdS=1422.5
fwS=1.50
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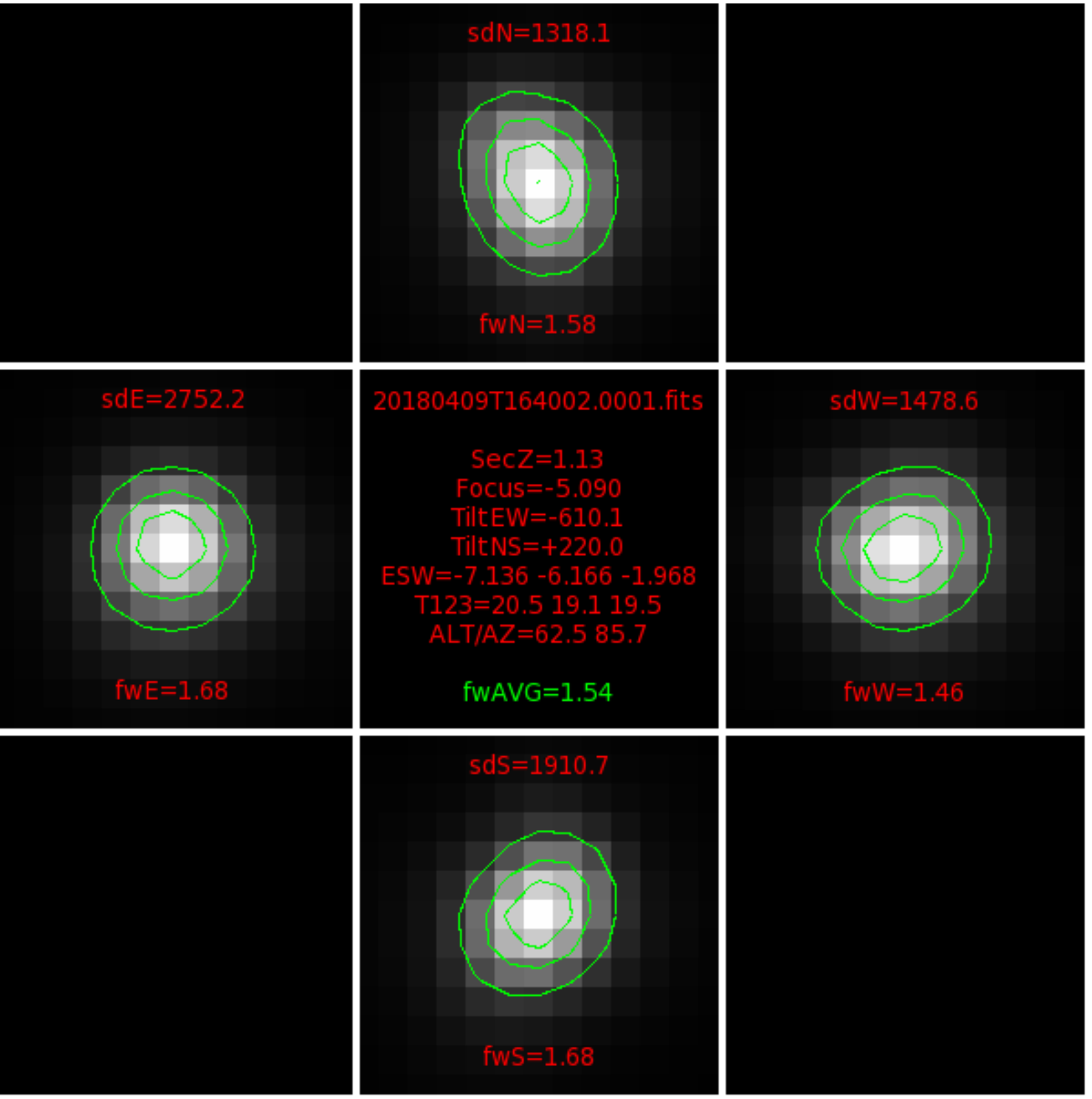
sdN=1318.1
fwN=1.58
sdE=2752.2
fwE=1.68
20180409T164002.0001.fits
SecZ=1.13
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.1 19.5
ALT/AZ=62.5 85.7
fwAVG=1.54
sdW=1478.6
fwW=1.46
sdS=1910.7
fwS=1.68
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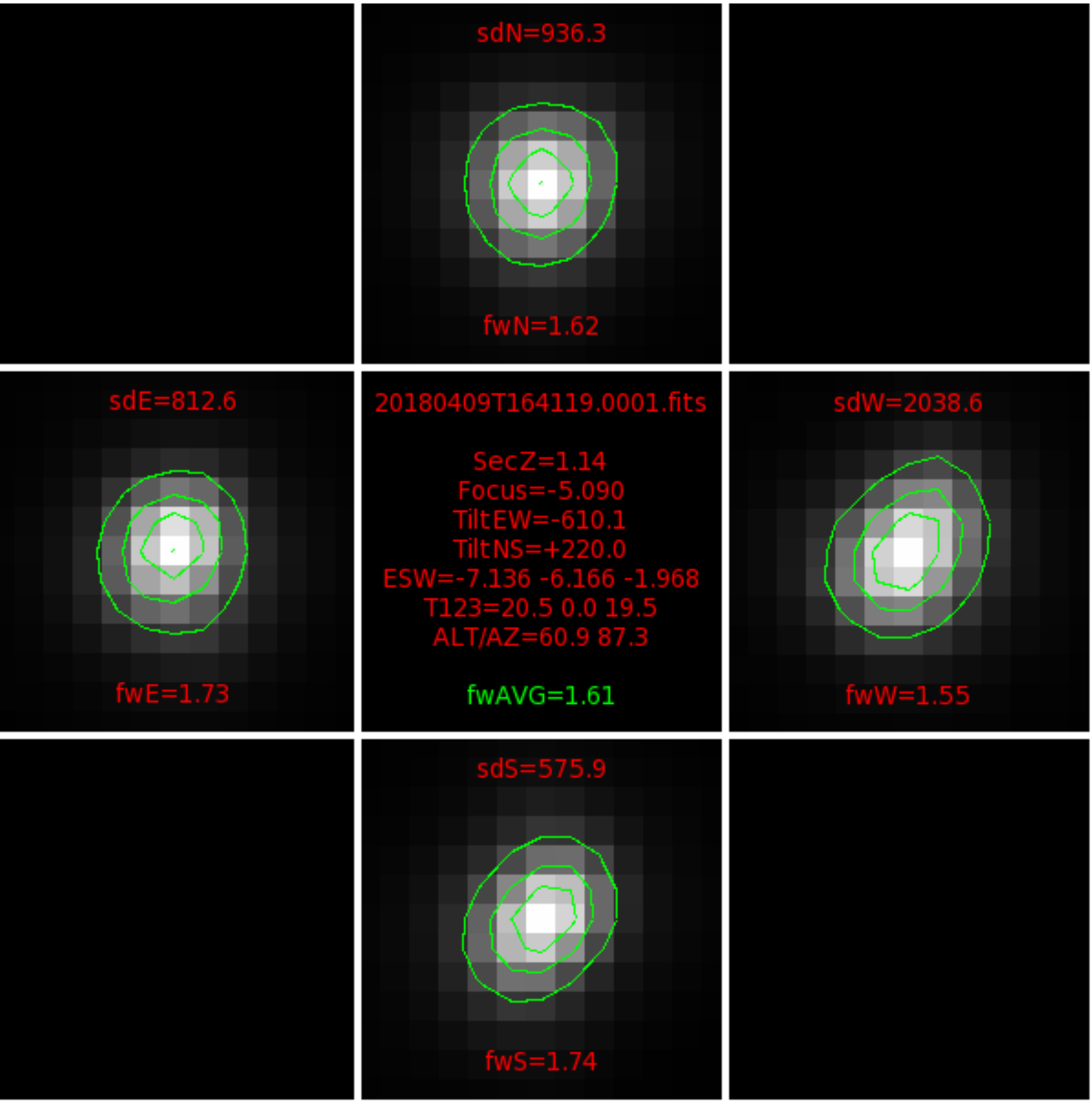
sdN=936.3
fwN=1.62
sdE=812.6
fwE=1.73
20180409T164119.0001.fits
SecZ=1.14
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.5
ALT/AZ=60.9 87.3
fwAVG=1.61
sdW=2038.6
fwW=1.55
sdS=575.9
fwS=1.74
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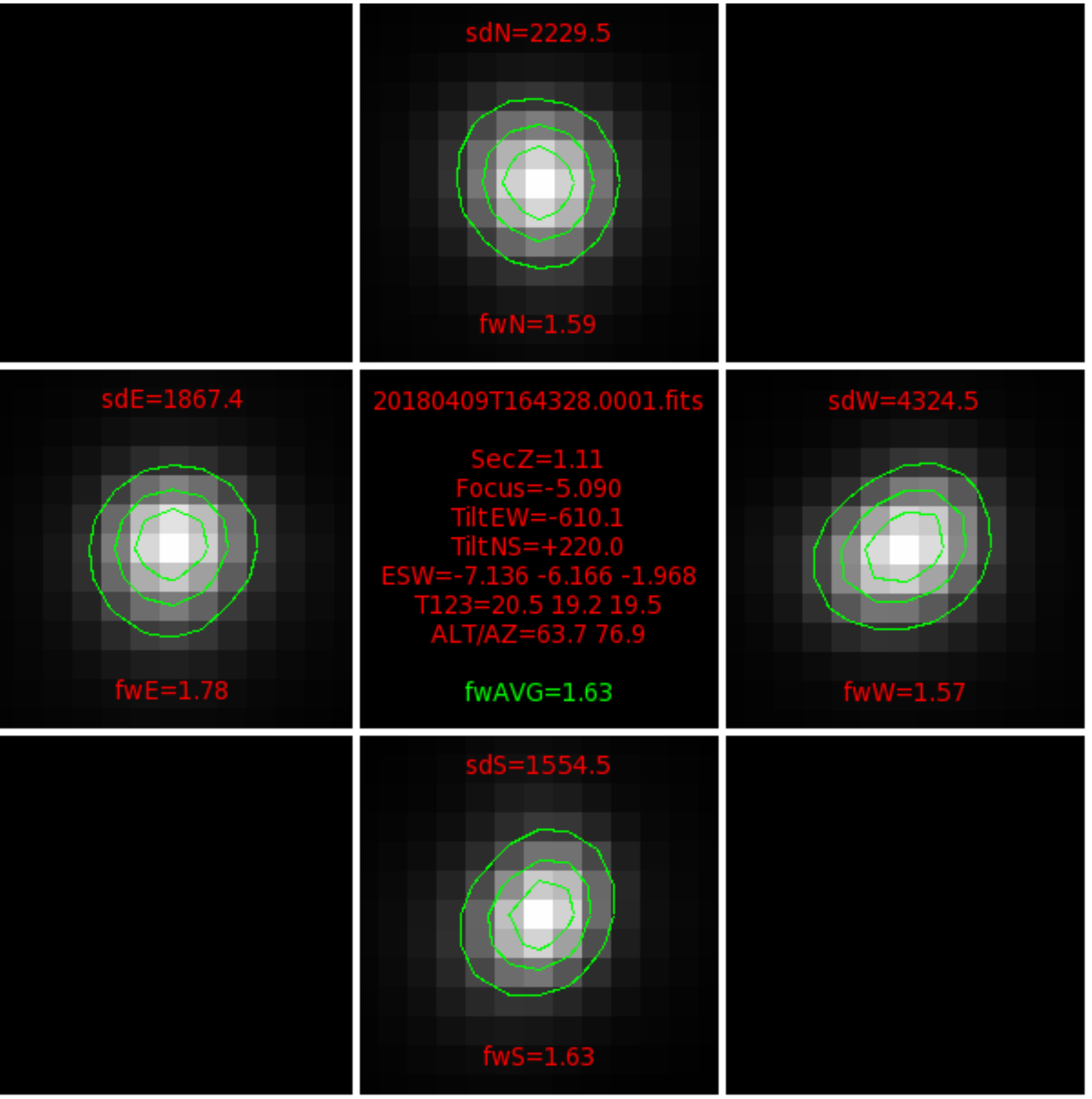
sdN=2229.5
fwN=1.59
sdE=1867.4
fwE=1.78
20180409T164328.0001.fits
SecZ=1.11
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.2 19.5
ALT/AZ=63.7 76.9
fwAVG=1.63
sdW=4324.5
fwW=1.57
sdS=1554.5
fwS=1.63
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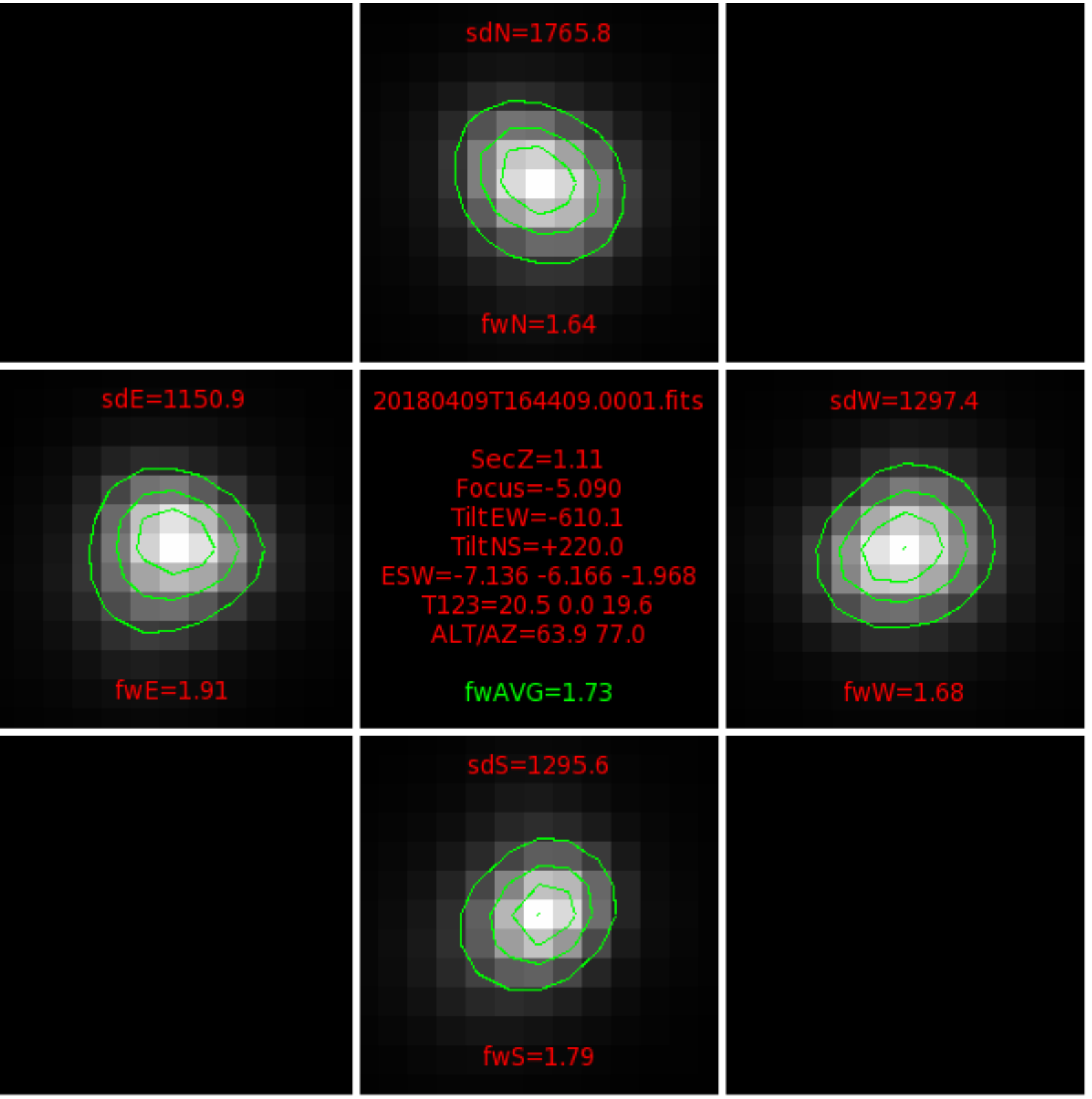
sdN=1765.8
fwN=1.64
sdE=1150.9
fwE=1.91
20180409T164409.0001.fits
SecZ=1.11
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.6
ALT/AZ=63.9 77.0
fwAVG=1.73
sdW=1297.4
fwW=1.68
sdS=1295.6
fwS=1.79
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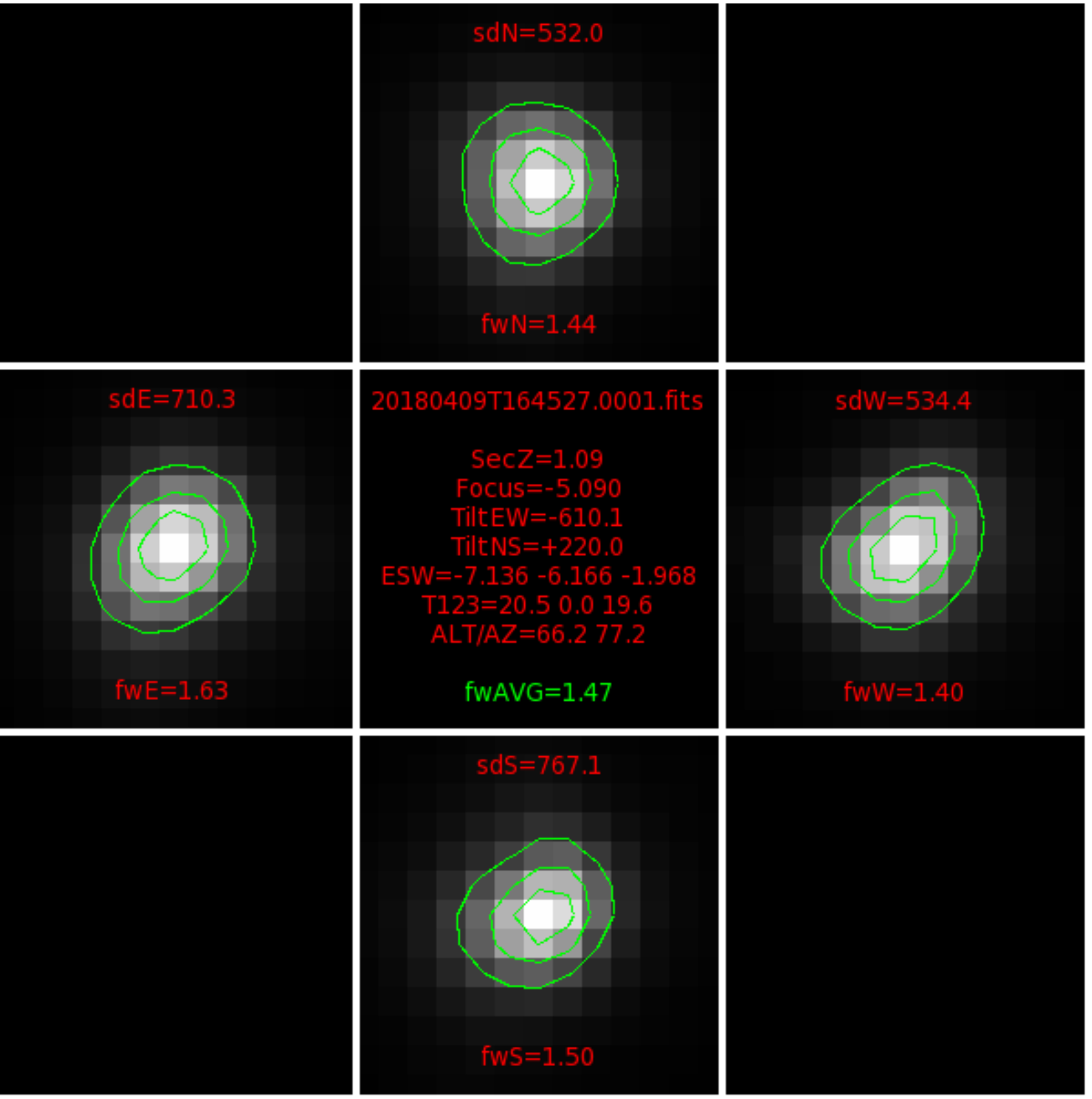
sdN=532.0
fwN=1.44
sdE=710.3
fwE=1.63
20180409T164527.0001.fits
SecZ=1.09
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.6
ALT/AZ=66.2 77.2
fwAVG=1.47
sdW=534.4
fwW=1.40
sdS=767.1
fwS=1.50
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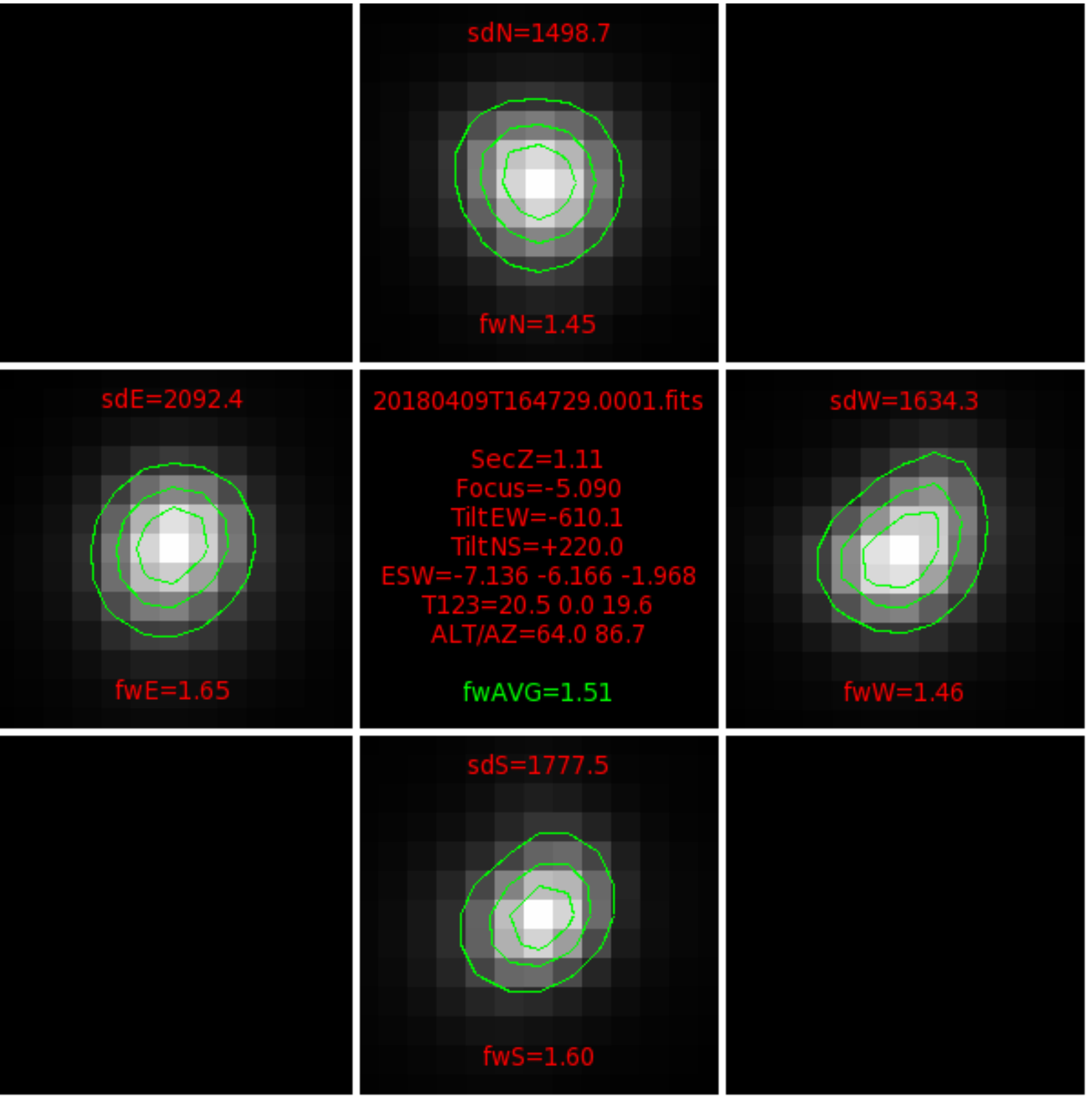
sdN=1498.7
fwN=1.45
sdE=2092.4
fwE=1.65
20180409T164729.0001.fits
SecZ=1.11
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.6
ALT/AZ=64.0 86.7
fwAVG=1.51
sdW=1634.3
fwW=1.46
sdS=1777.5
fwS=1.60
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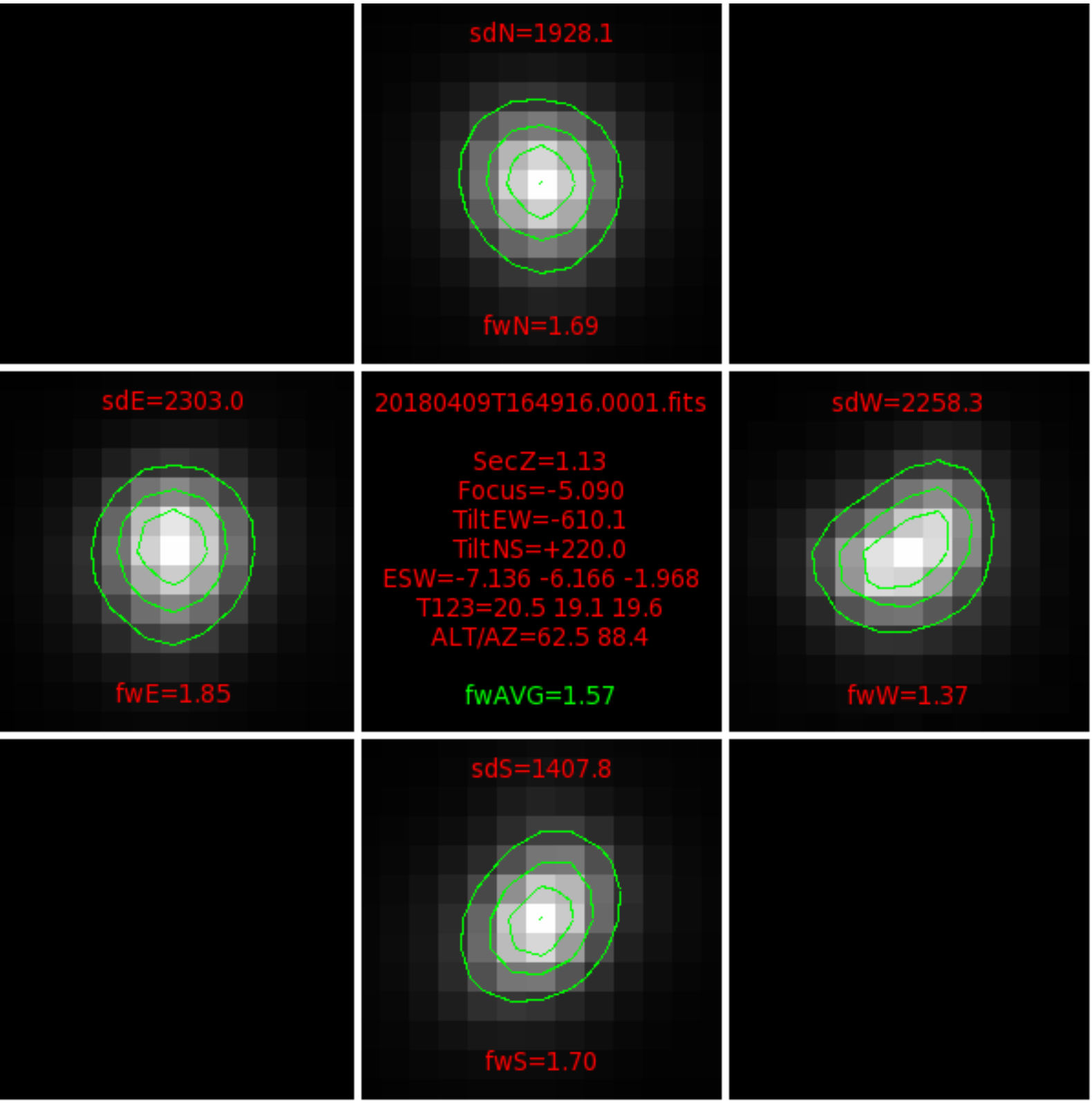
sdN=1928.1
fwN=1.69
sdE=2303.0
fwE=1.85
20180409T164916.0001.fits
SecZ=1.13
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.1 19.6
ALT/AZ=62.5 88.4
fwAVG=1.57
sdW=2258.3
fwW=1.37
sdS=1407.8
fwS=1.70
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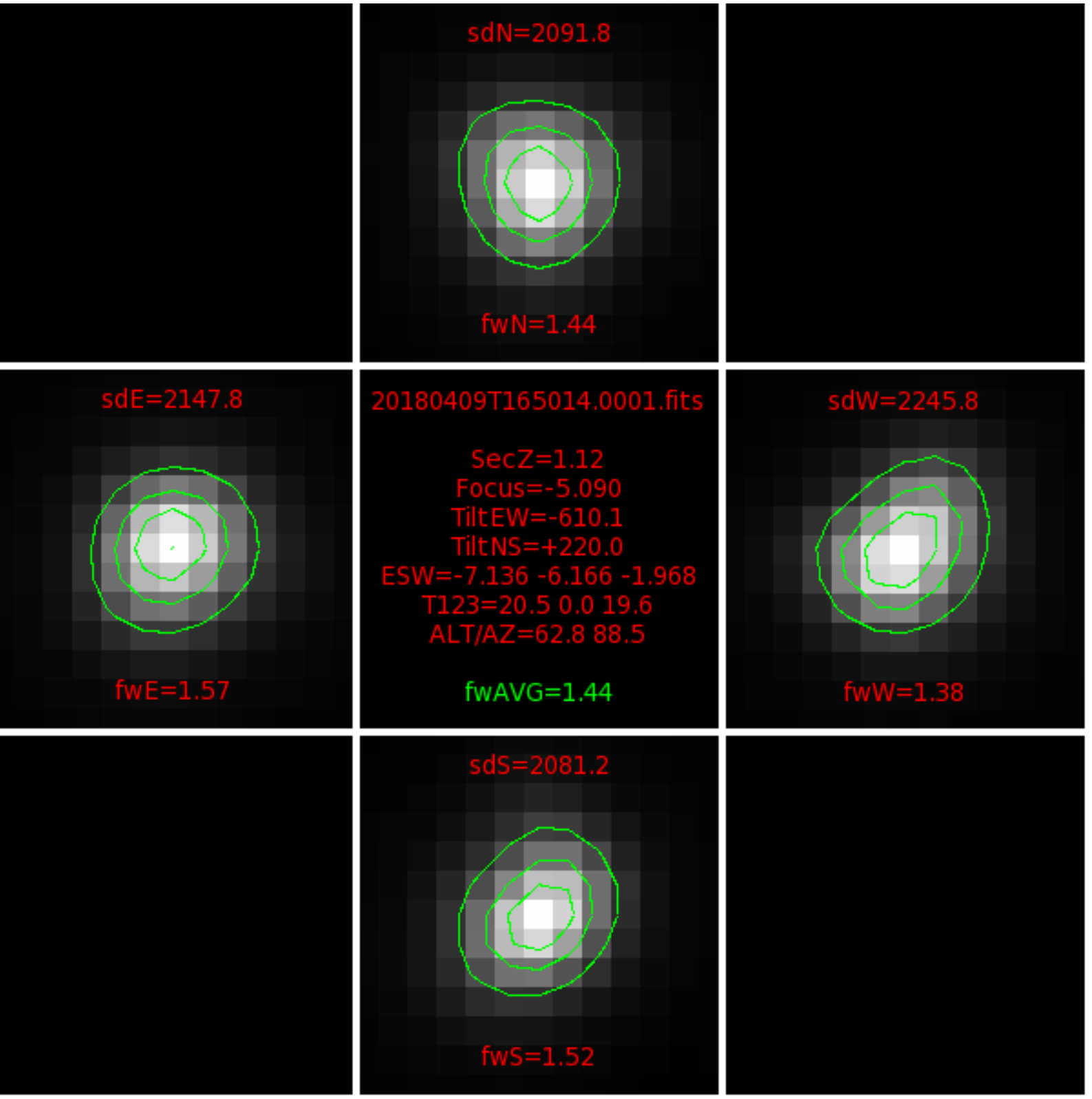
sdN=2091.8
fwN=1.44
sdE=2147.8
fwE=1.57
20180409T165014.0001.fits
SecZ=1.12
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.6
ALT/AZ=62.8 88.5
fwAVG=1.44
sdW=2245.8
fwW=1.38
sdS=2081.2
fwS=1.52
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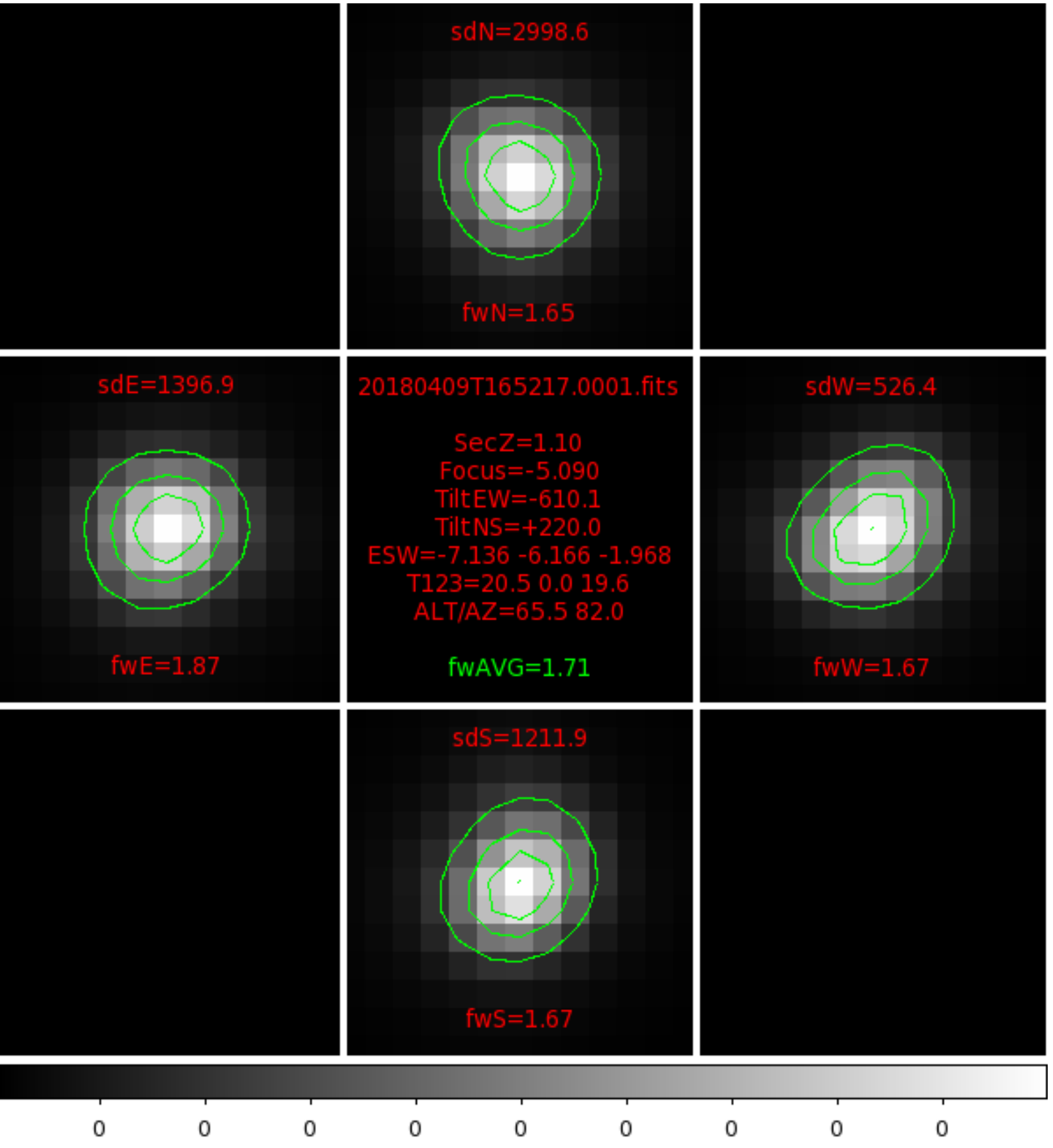
sdN=2998.6
fwN=1.65
sdE=1396.9
fwE=1.87
20180409T165217.0001.fits
SecZ=1.10
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.6
ALT/AZ=65.5 82.0
fwAVG=1.71
sdW=526.4
fwW=1.67
sdS=1211.9
fwS=1.67
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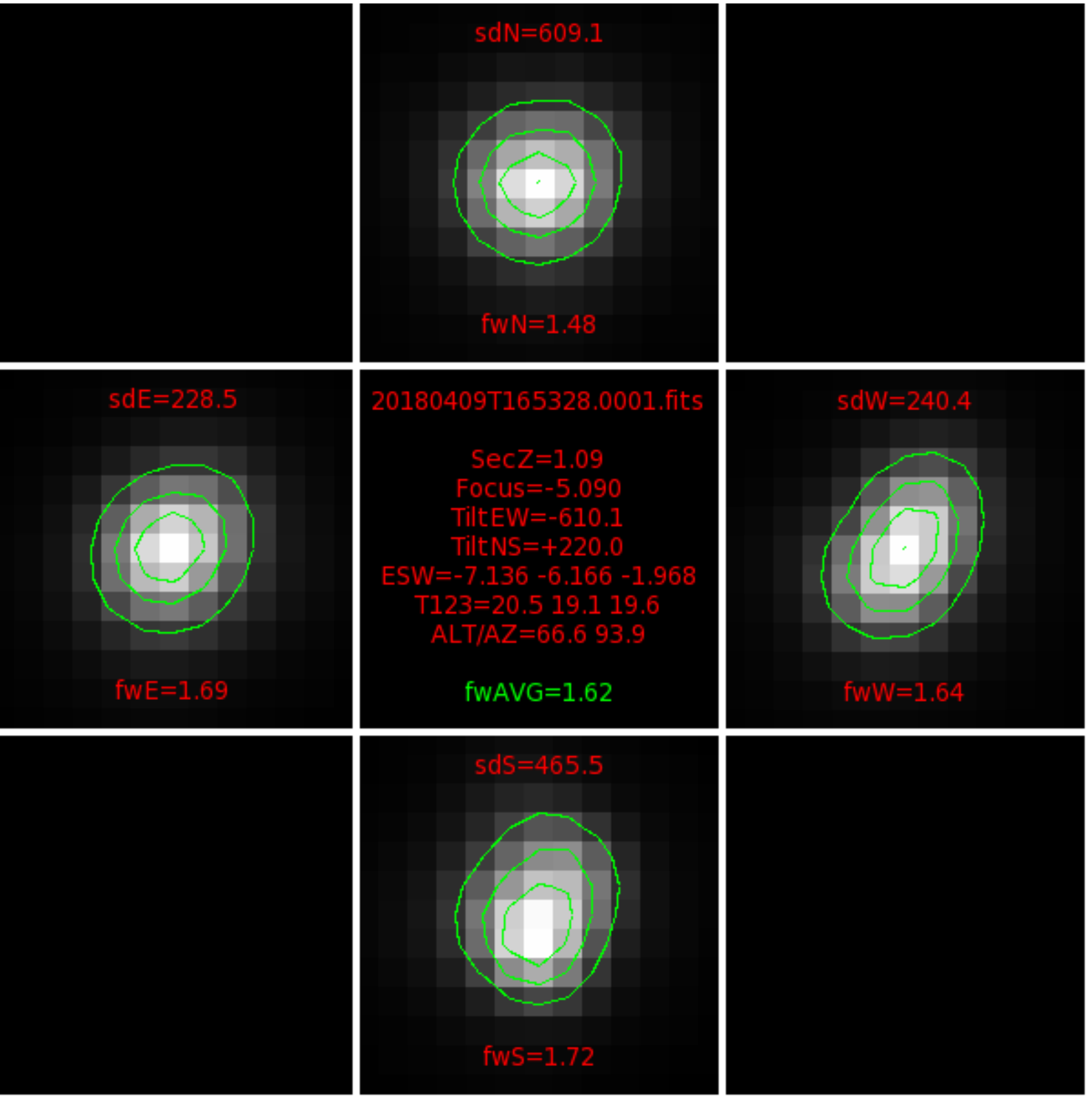
sdN=609.1
fwN=1.48
sdE=228.5
fwE=1.69
20180409T165328.0001.fits
SecZ=1.09
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.1 19.6
ALT/AZ=66.6 93.9
fwAVG=1.62
sdW=240.4
fwW=1.64
sdS=465.5
fwS=1.72
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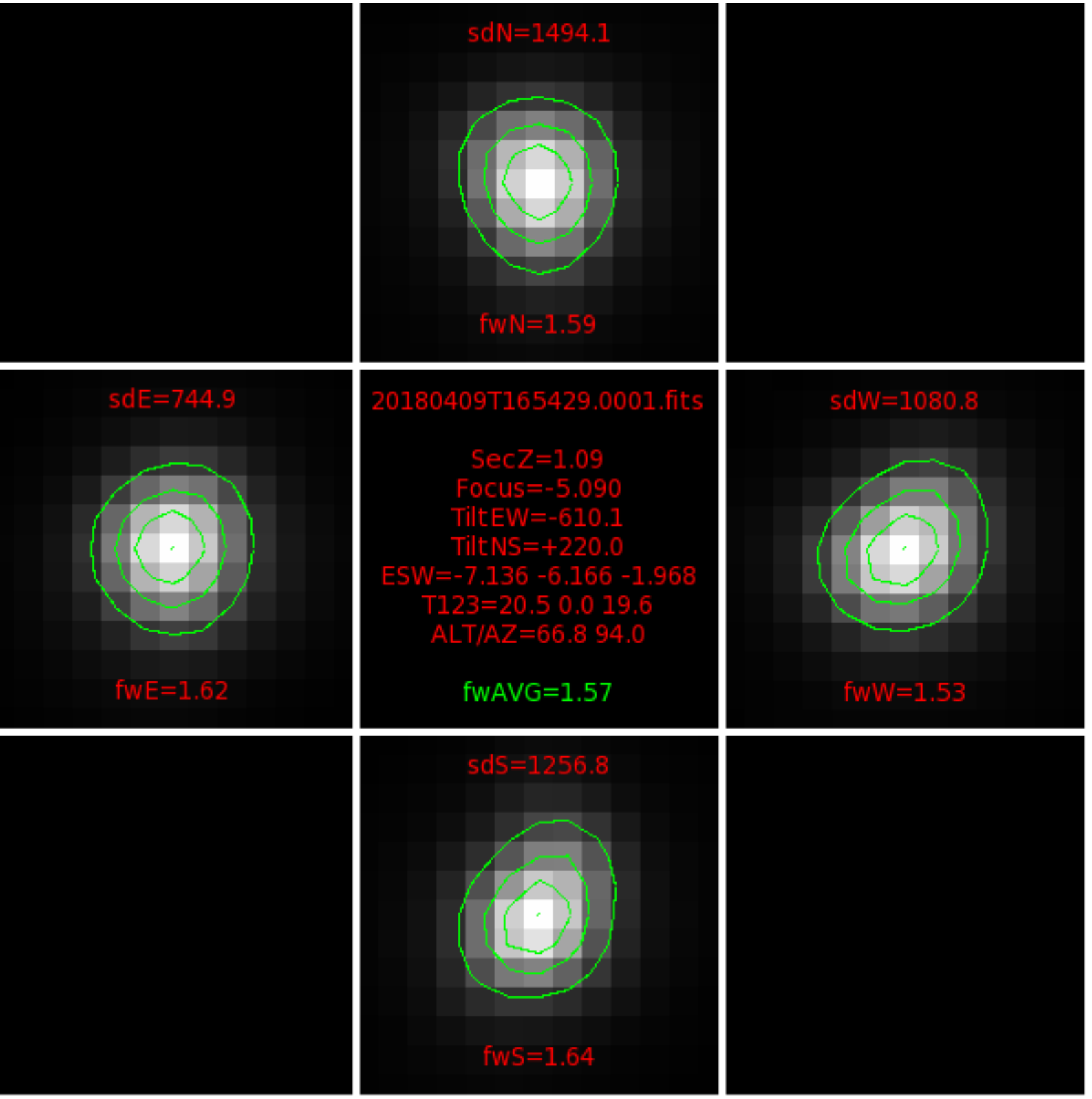
sdN=1494.1
fwN=1.59
sdE=744.9
fwE=1.62
20180409T165429.0001.fits
SecZ=1.09
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 0.0 19.6
ALT/AZ=66.8 94.0
fwAVG=1.57
sdW=1080.8
fwW=1.53
sdS=1256.8
fwS=1.64
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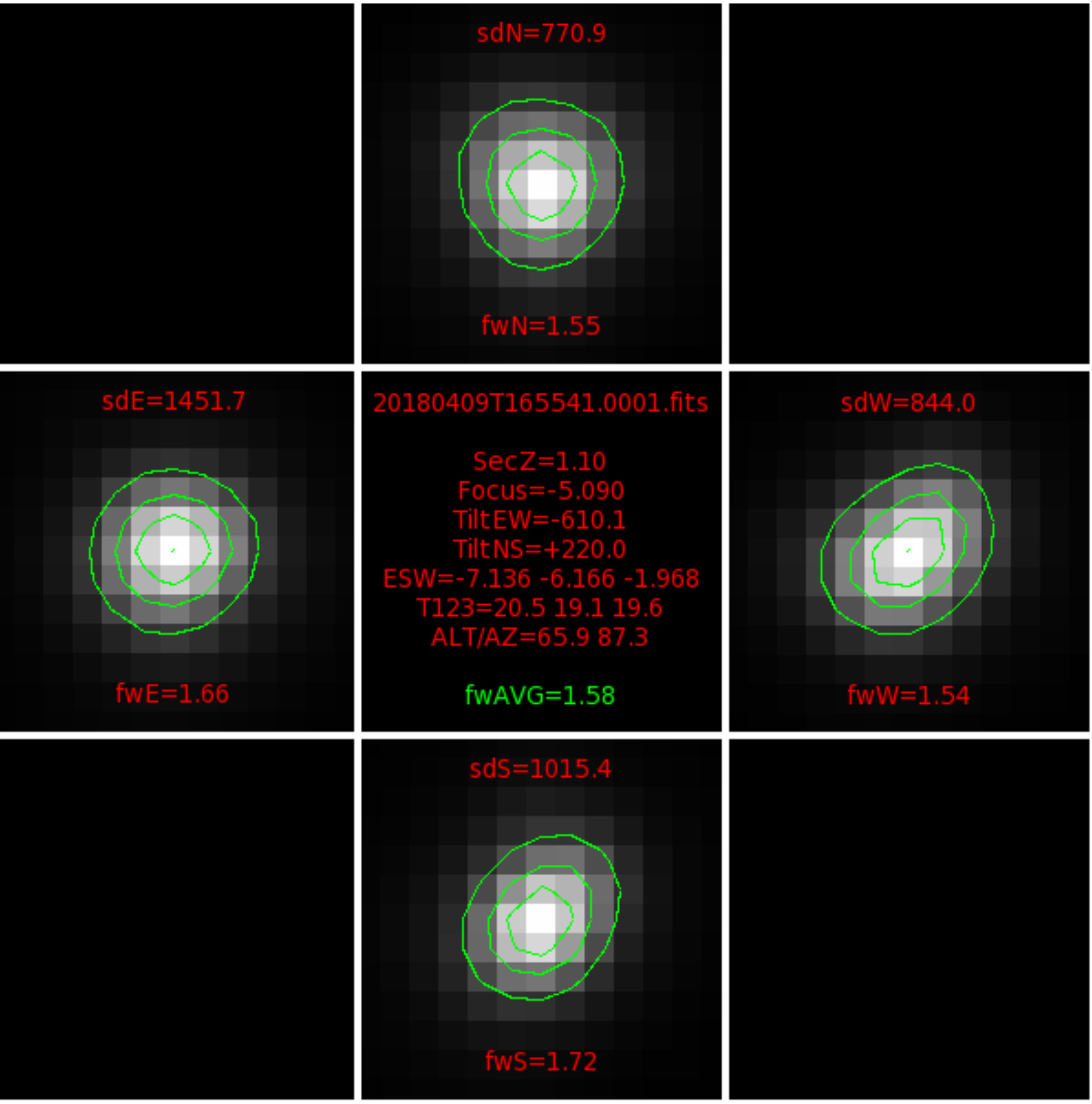
sdN=770.9
fwN=1.55
sdE=1451.7
fwE=1.66
20180409T165541.0001.fits
SecZ=1.10
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.1 19.6
ALT/AZ=65.9 87.3
fwAVG=1.58
sdW=844.0
fwW=1.54
sdS=1015.4
fwS=1.72
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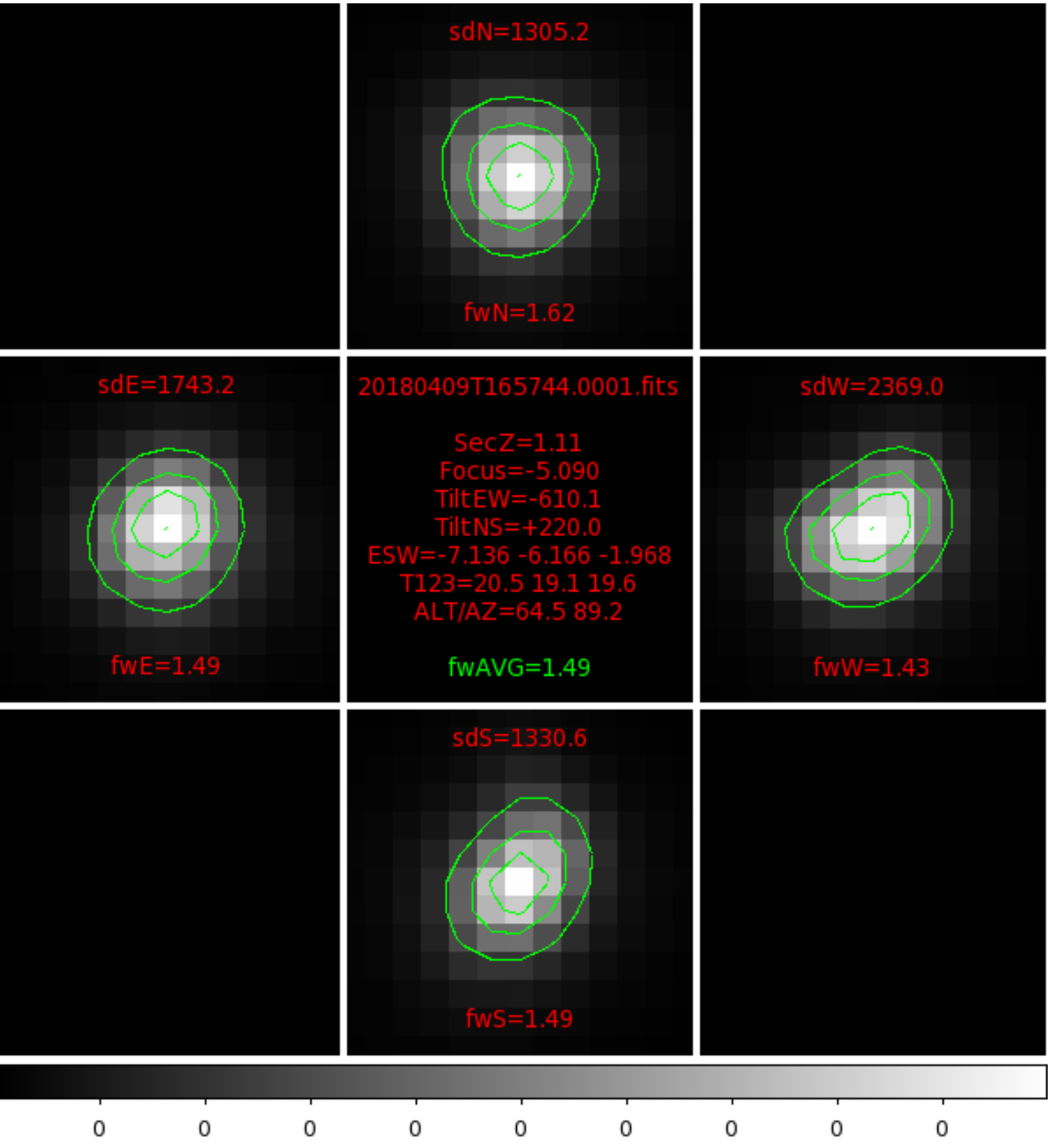
sdN=1305.2
fwN=1.62
sdE=1743.2
fwE=1.49
20180409T165744.0001.fits
SecZ=1.11
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.1 19.6
ALT/AZ=64.5 89.2
fwAVG=1.49
sdW=2369.0
fwW=1.43
sdS=1330.6
fwS=1.49
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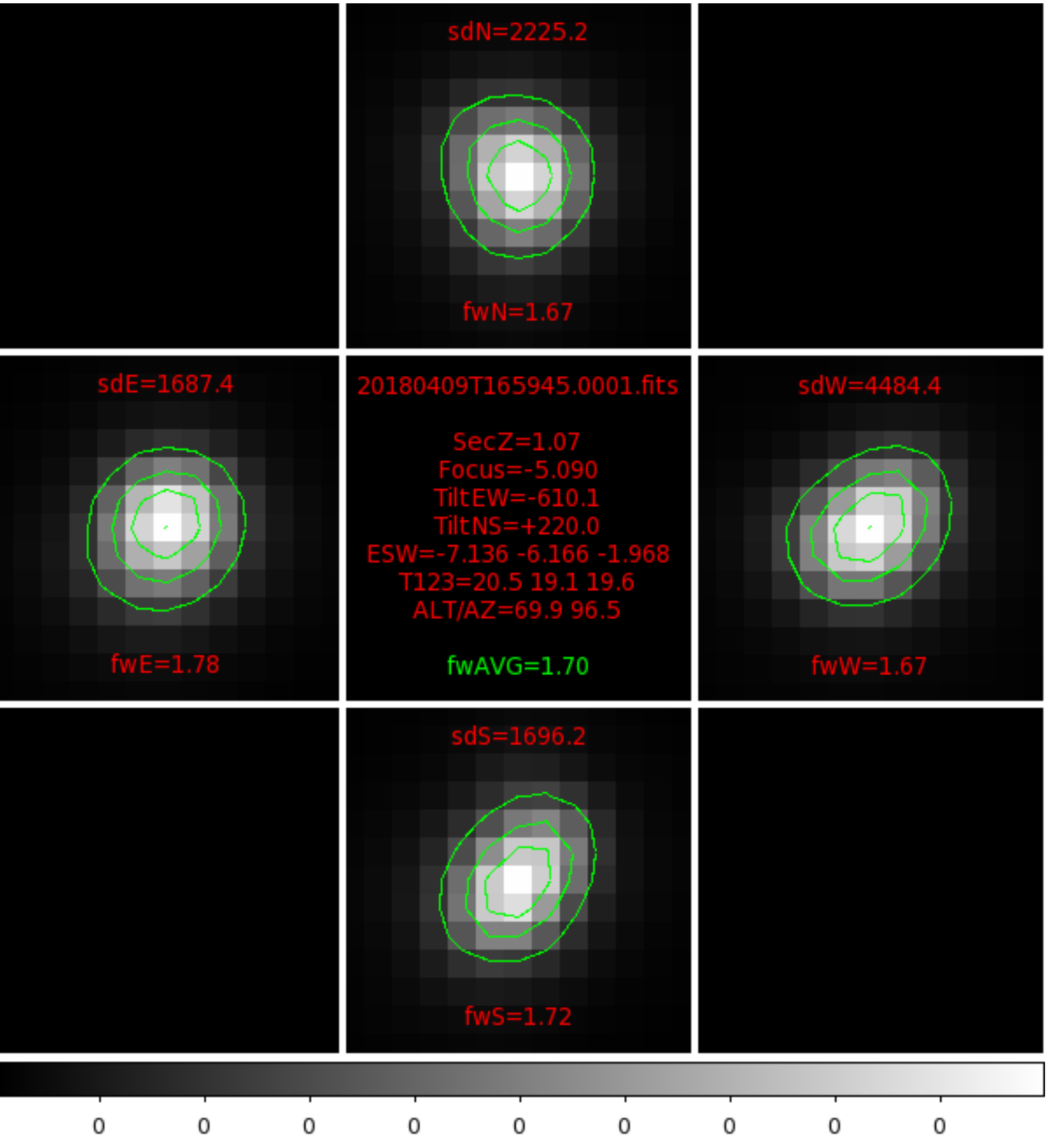
sdN=2225.2
fwN=1.67
sdE=1687.4
fwE=1.78
20180409T165945.0001.fits
SecZ=1.07
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.1 19.6
ALT/AZ=69.9 96.5
fwAVG=1.70
sdW=4484.4
fwW=1.67
sdS=1696.2
fwS=1.72
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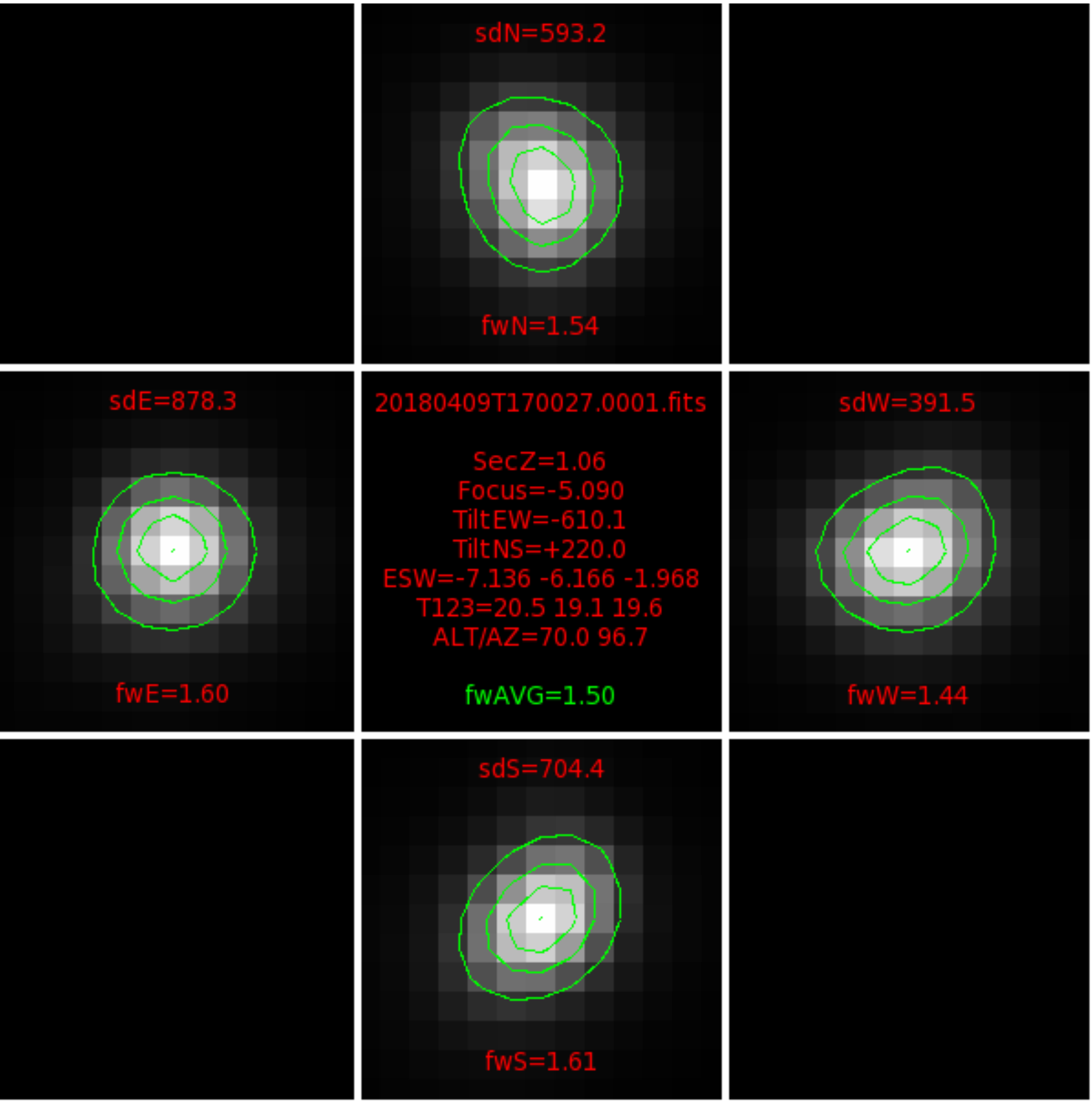
sdN=593.2
fwN=1.54
sdE=878.3
fwE=1.60
20180409T170027.0001.fits
SecZ=1.06
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.5 19.1 19.6
ALT/AZ=70.0 96.7
fwAVG=1.50
sdW=391.5
fwW=1.44
sdS=704.4
fwS=1.61
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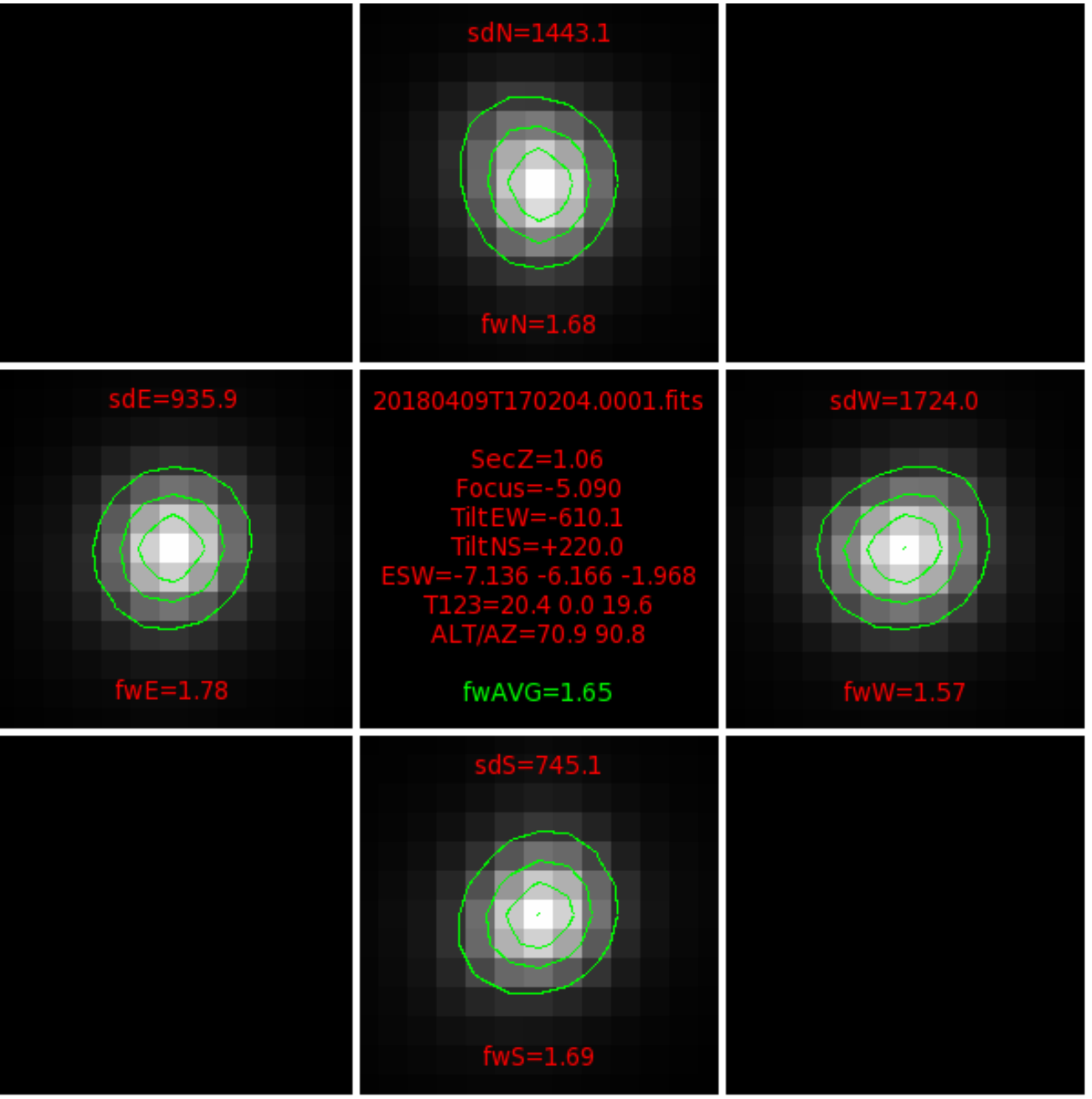
sdN=1443.1
fwN=1.68
sdE=935.9
fwE=1.78
20180409T170204.0001.fits
SecZ=1.06
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 0.0 19.6
ALT/AZ=70.9 90.8
fwAVG=1.65
sdW=1724.0
fwW=1.57
sdS=745.1
fwS=1.69
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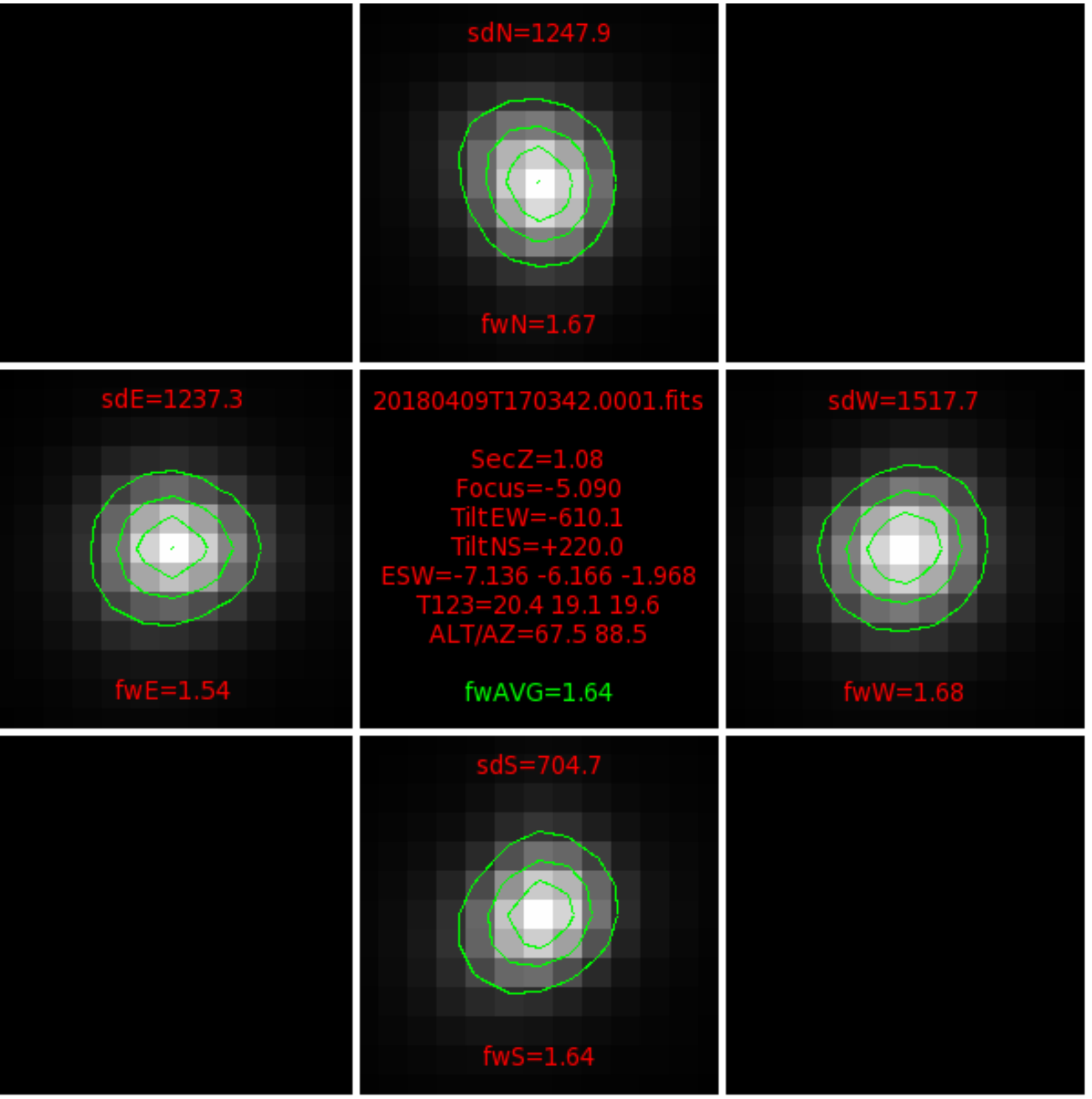
sdN=1247.9
fwN=1.67
sdE=1237.3
fwE=1.54
20180409T170342.0001.fits
SecZ=1.08
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 19.1 19.6
ALT/AZ=67.5 88.5
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sdW=1517.7
fwW=1.68
sdS=704.7
fwS=1.64
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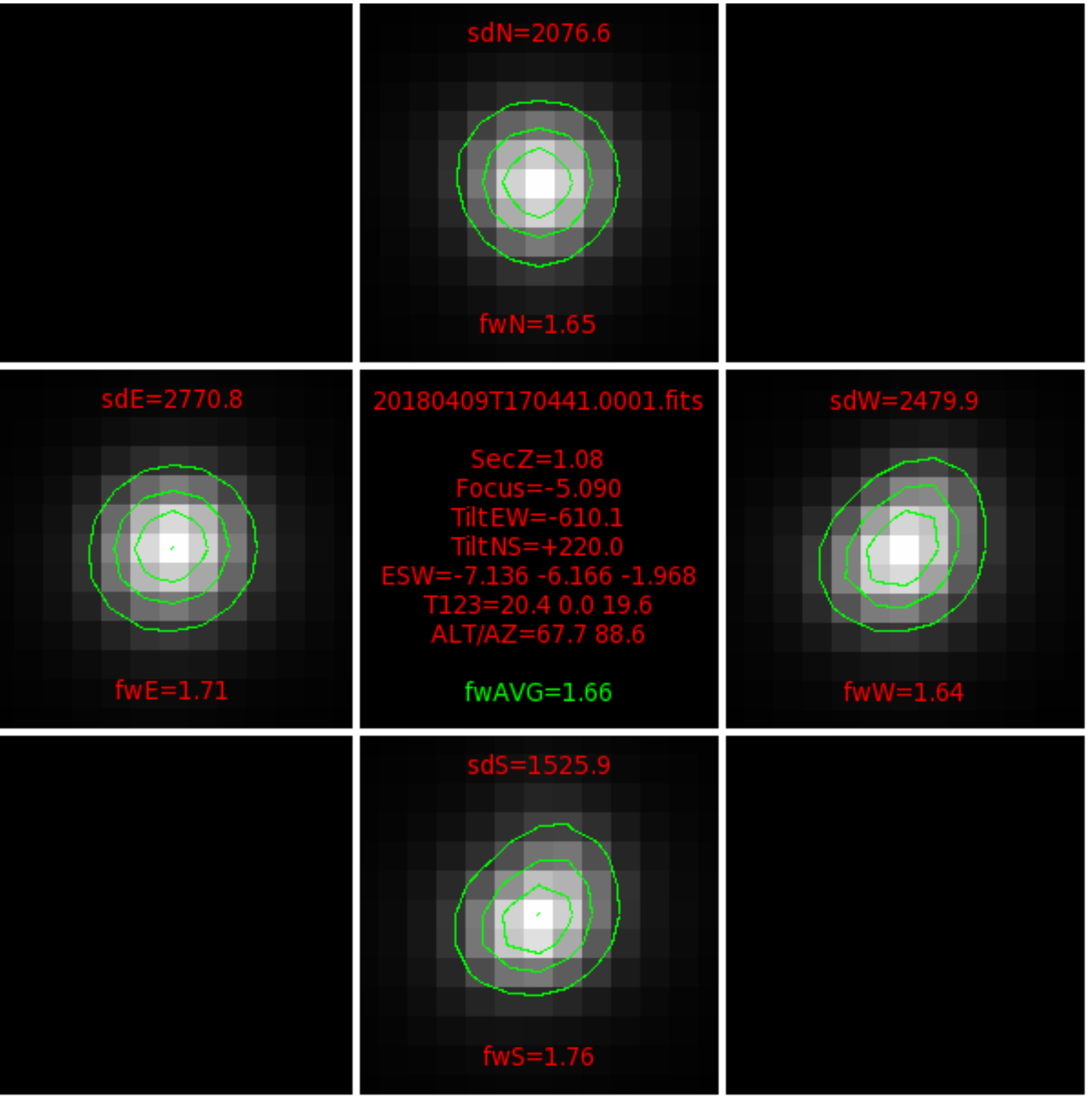
sdN=2076.6
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sdE=2770.8
fwE=1.71
20180409T170441.0001.fits
SecZ=1.08
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 0.0 19.6
ALT/AZ=67.7 88.6
fwAVG=1.66
sdW=2479.9
fwW=1.64
sdS=1525.9
fwS=1.76
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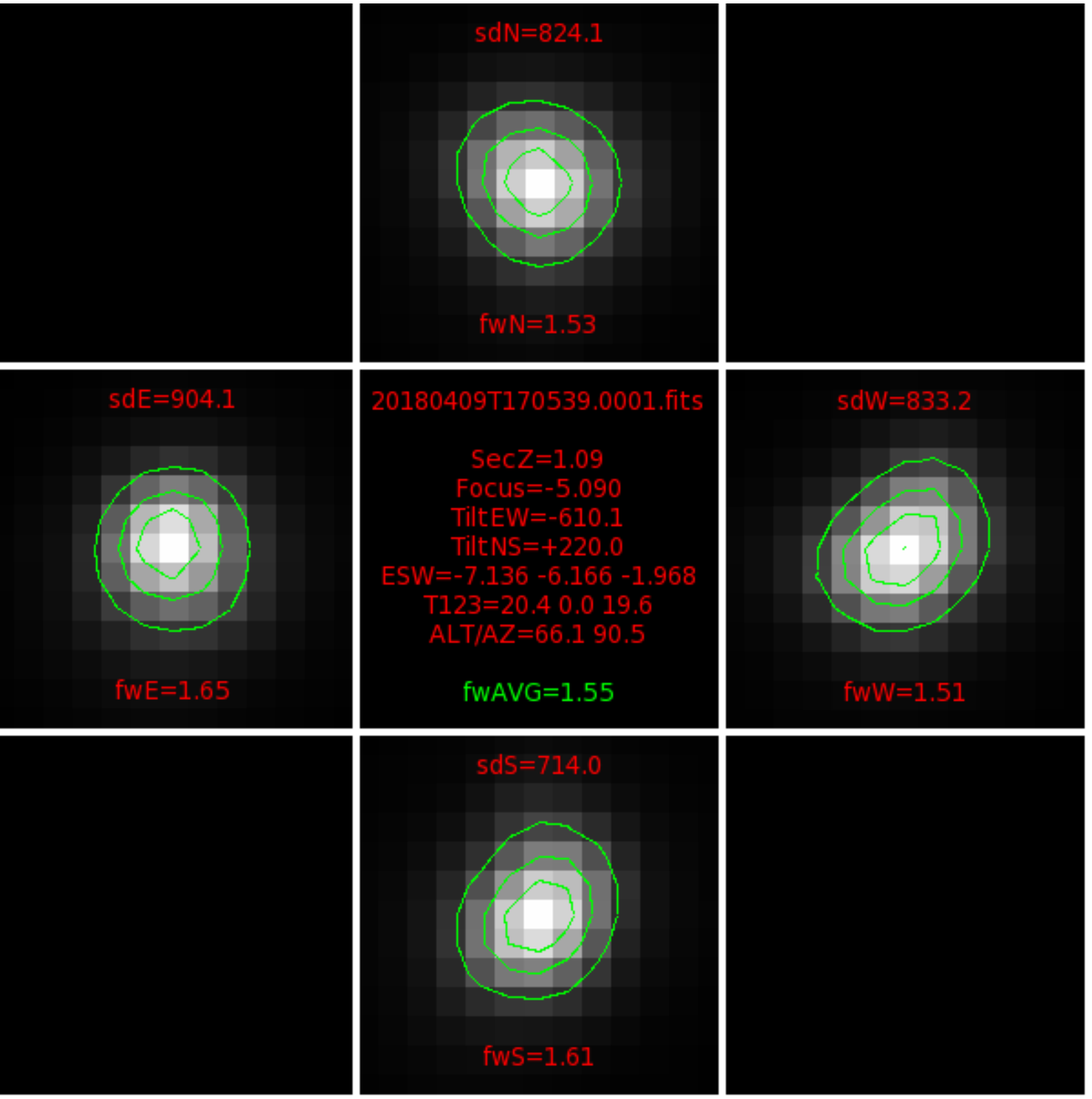
sdN=824.1
fwN=1.53
sdE=904.1
fwE=1.65
20180409T170539.0001.fits
SecZ=1.09
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 0.0 19.6
ALT/AZ=66.1 90.5
fwAVG=1.55
sdW=833.2
fwW=1.51
sdS=714.0
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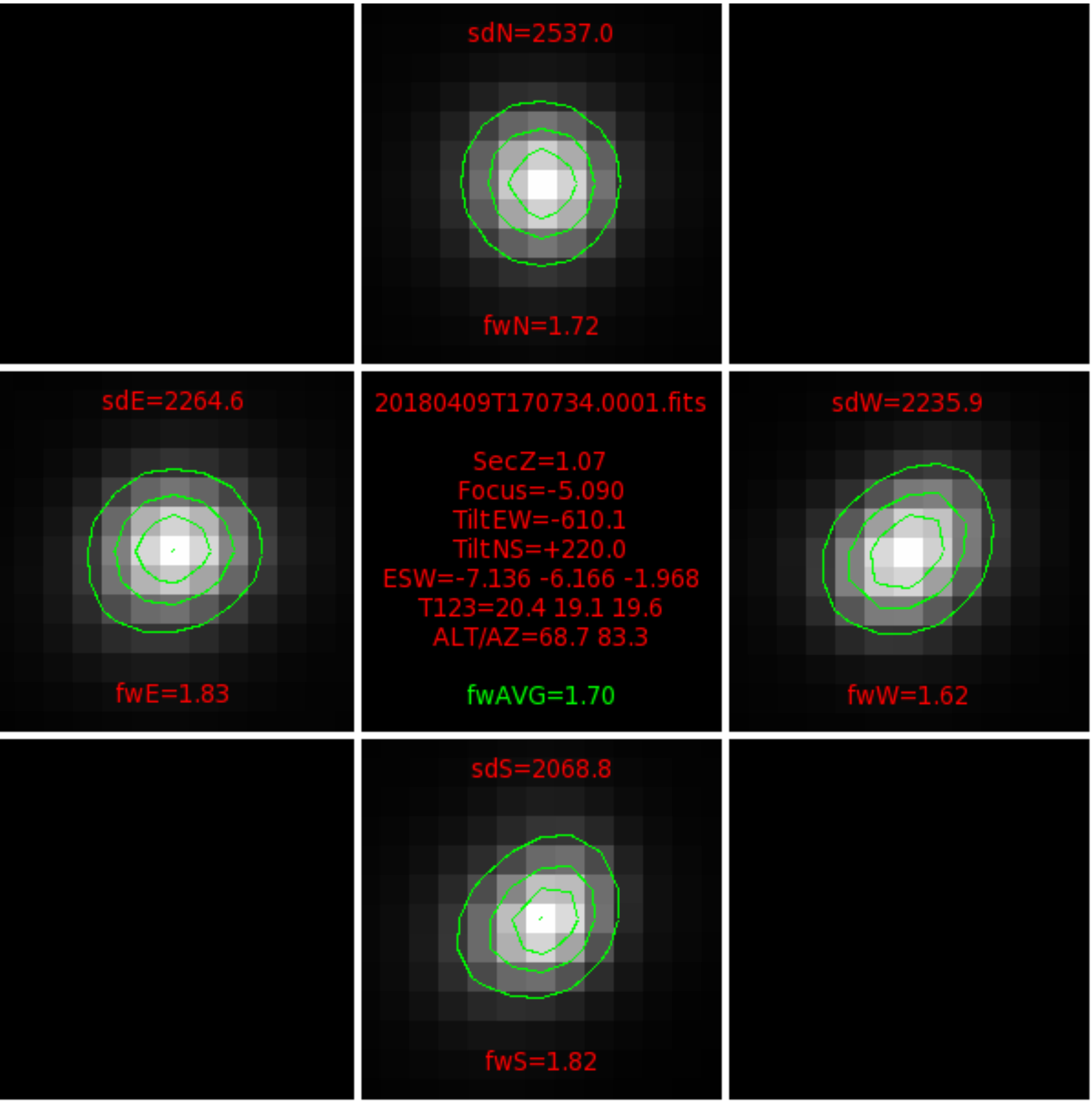
sdN=2537.0
fwN=1.72
sdE=2264.6
fwE=1.83
20180409T170734.0001.fits
SecZ=1.07
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 19.1 19.6
ALT/AZ=68.7 83.3
fwAVG=1.70
sdW=2235.9
fwW=1.62
sdS=2068.8
fwS=1.82
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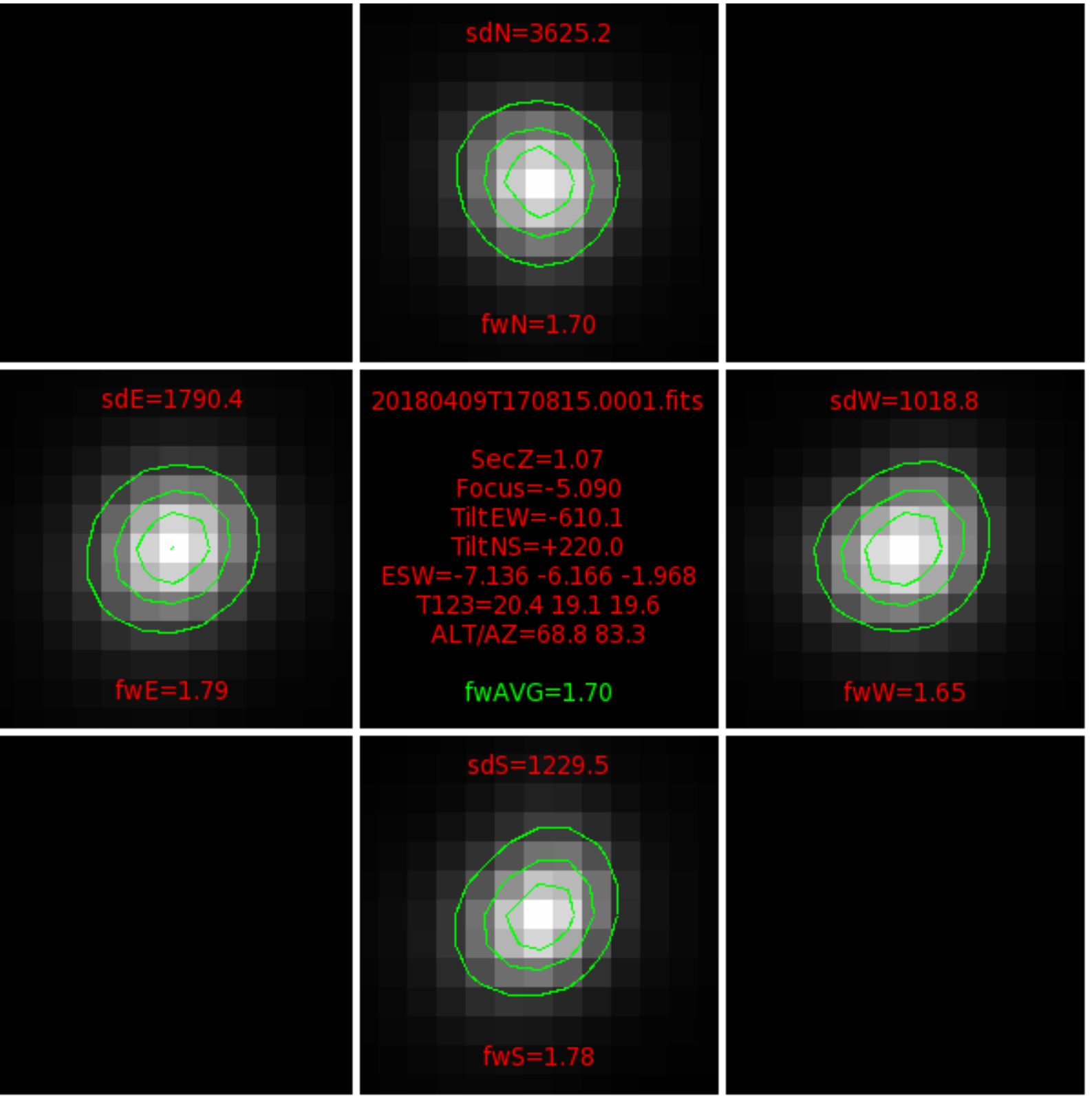
sdN=3625.2
fwN=1.70
sdE=1790.4
fwE=1.79
20180409T170815.0001.fits
SecZ=1.07
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 19.1 19.6
ALT/AZ=68.8 83.3
fwAVG=1.70
sdW=1018.8
fwW=1.65
sdS=1229.5
fwS=1.78
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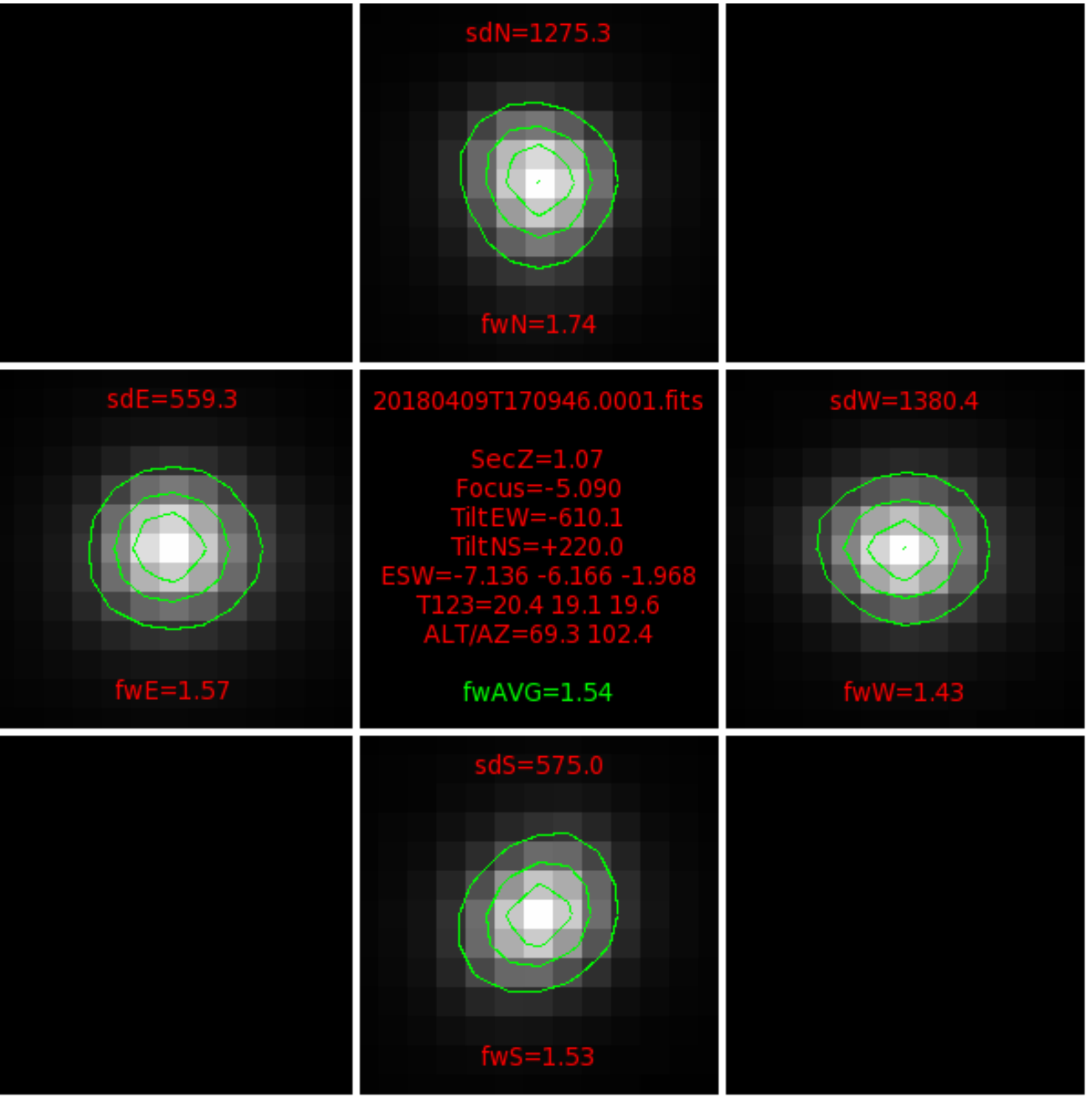
sdN=1275.3
fwN=1.74
sdE=559.3
fwE=1.57
20180409T170946.0001.fits
SecZ=1.07
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 19.1 19.6
ALT/AZ=69.3 102.4
fwAVG=1.54
sdW=1380.4
fwW=1.43
sdS=575.0
fwS=1.53
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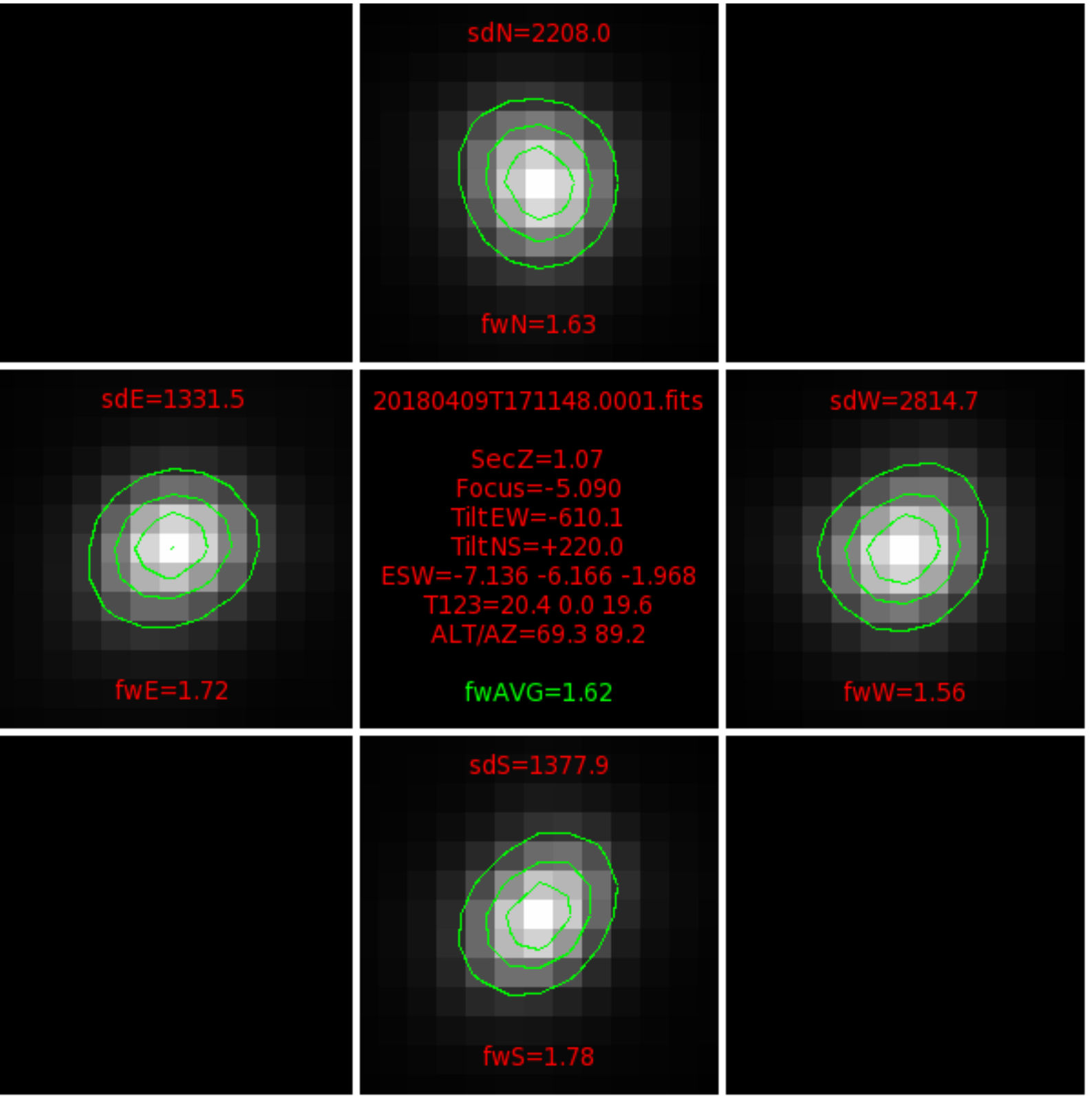
sdN=2208.0
fwN=1.63
sdE=1331.5
fwE=1.72
20180409T171148.0001.fits
SecZ=1.07
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 0.0 19.6
ALT/AZ=69.3 89.2
fwAVG=1.62
sdW=2814.7
fwW=1.56
sdS=1377.9
fwS=1.78
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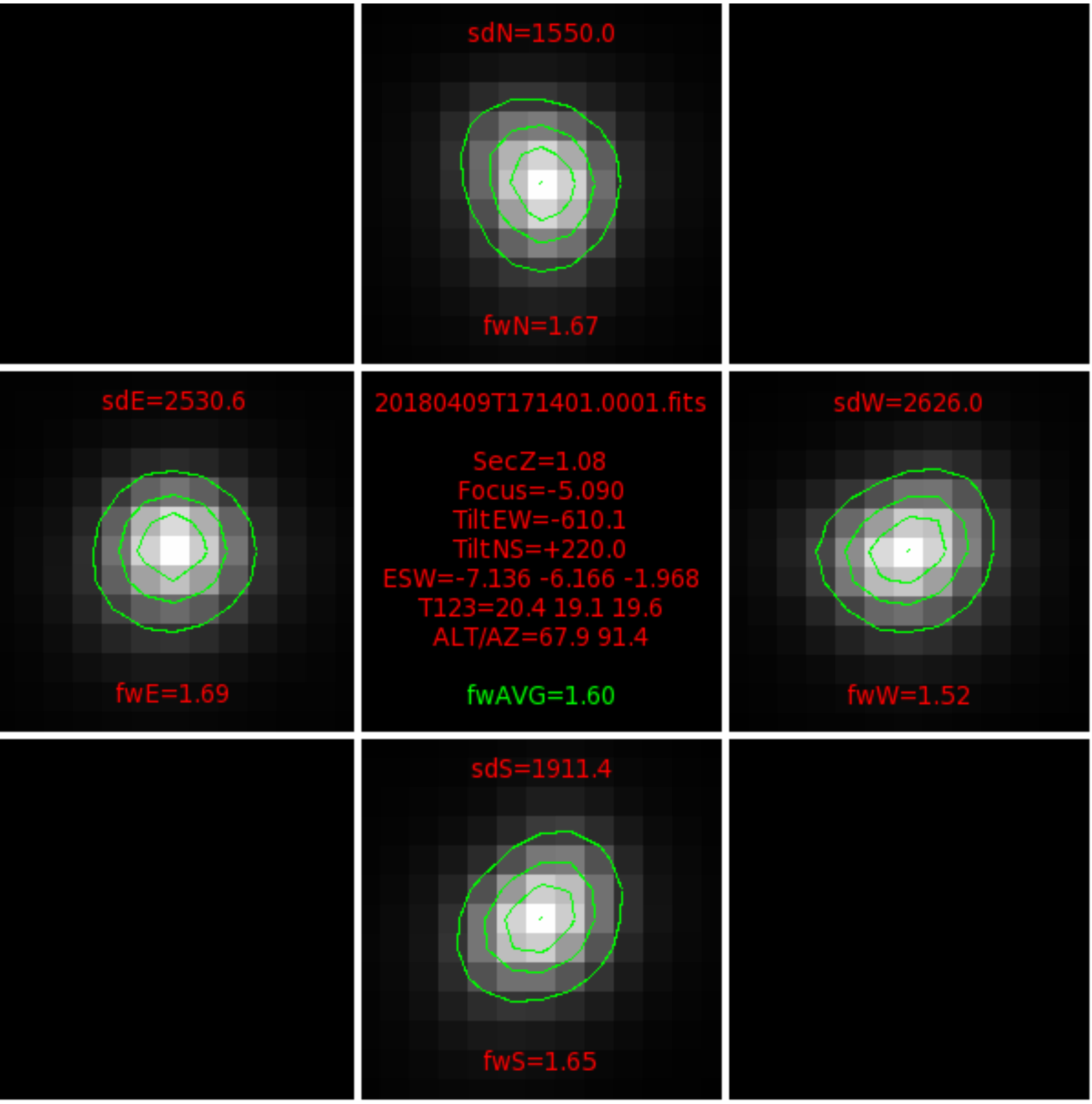
sdN=1550.0
fwN=1.67
sdE=2530.6
fwE=1.69
20180409T171401.0001.fits
SecZ=1.08
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 19.1 19.6
ALT/AZ=67.9 91.4
fwAVG=1.60
sdW=2626.0
fwW=1.52
sdS=1911.4
fwS=1.65
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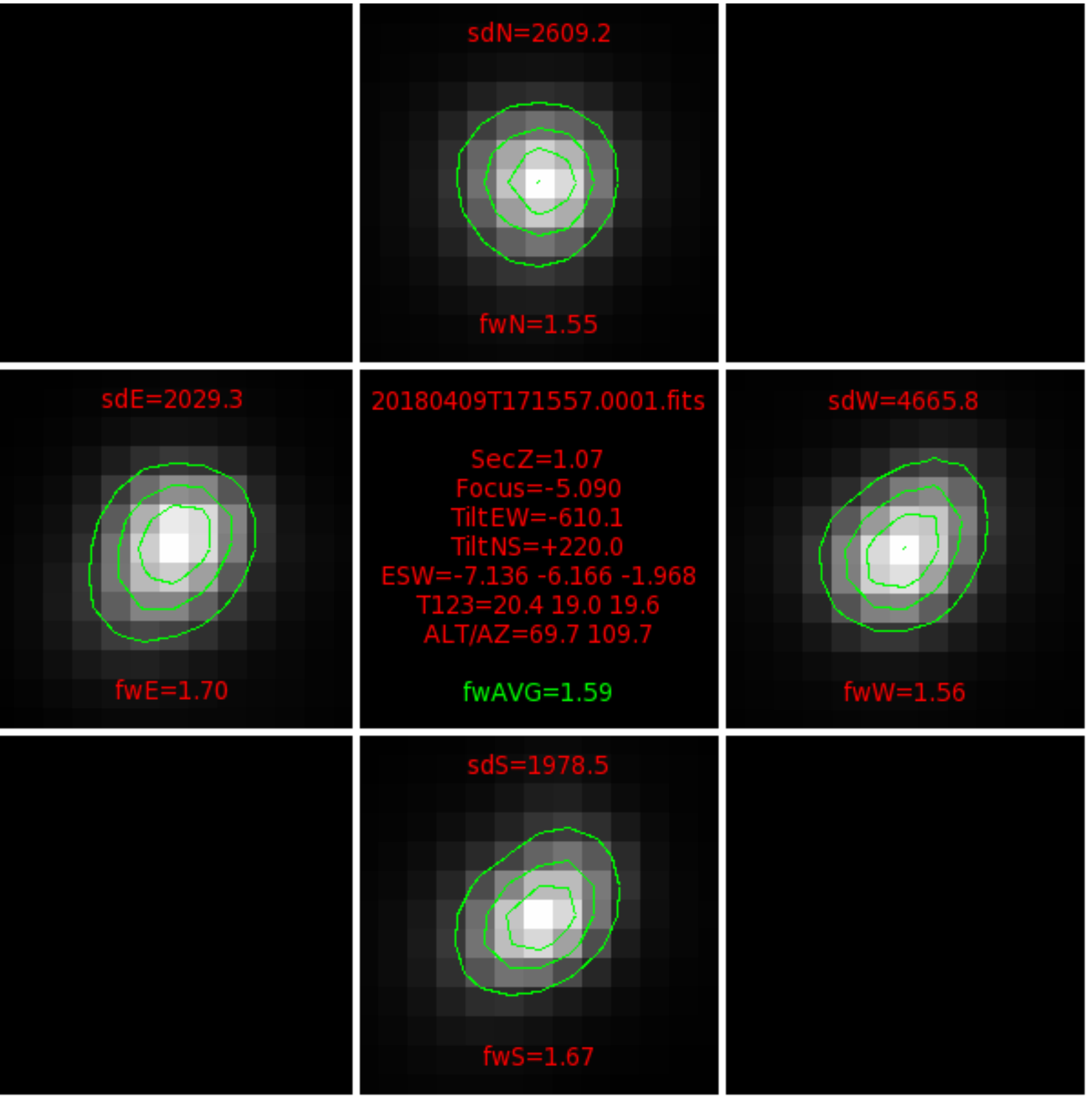
sdN=2609.2
fwN=1.55
sdE=2029.3
fwE=1.70
20180409T171557.0001.fits
SecZ=1.07
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 19.0 19.6
ALT/AZ=69.7 109.7
fwAVG=1.59
sdW=4665.8
fwW=1.56
sdS=1978.5
fwS=1.67
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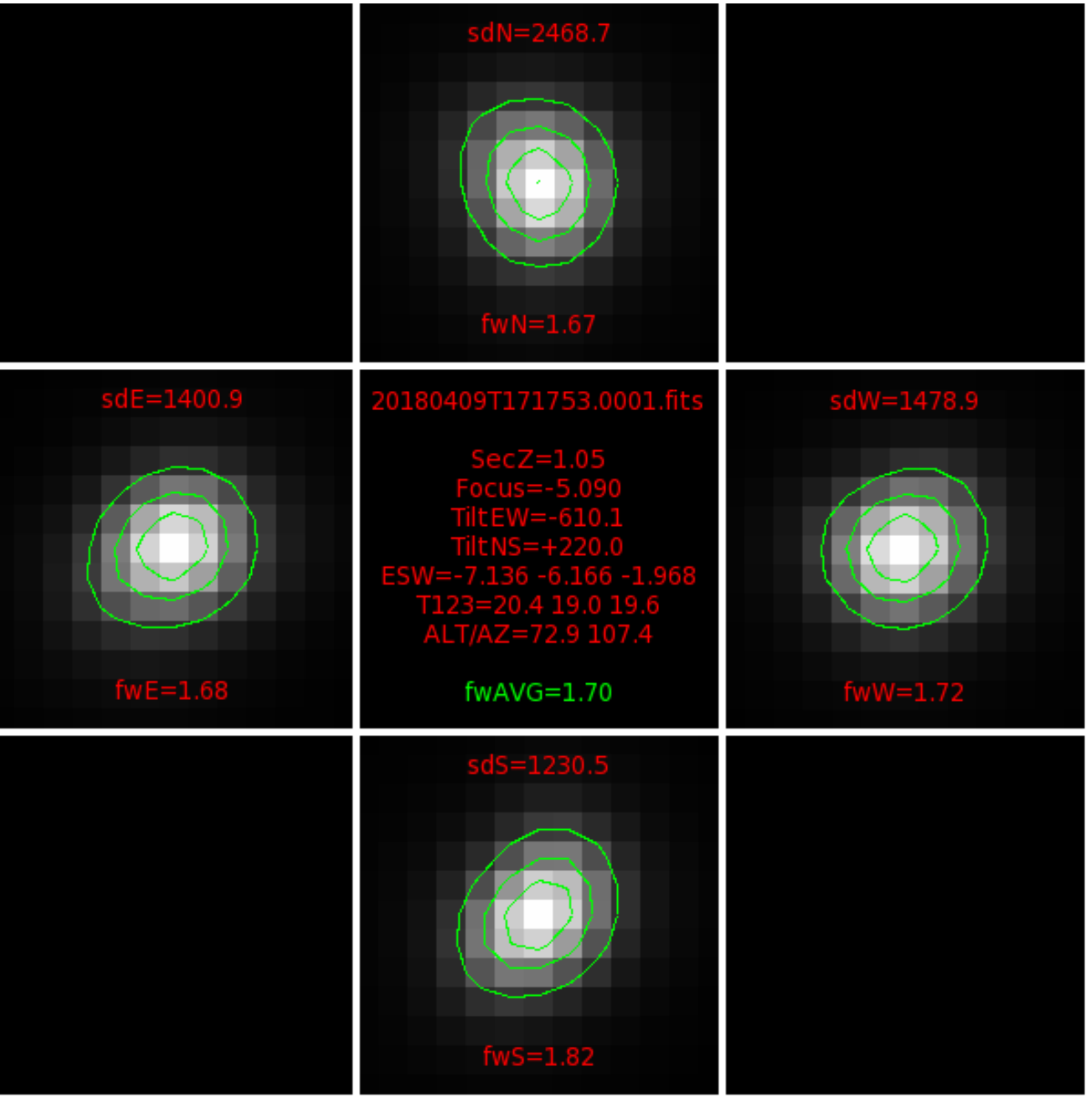
sdN=2468.7
fwN=1.67
sdE=1400.9
fwE=1.68
20180409T171753.0001.fits
SecZ=1.05
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 19.0 19.6
ALT/AZ=72.9 107.4
fwAVG=1.70
sdW=1478.9
fwW=1.72
sdS=1230.5
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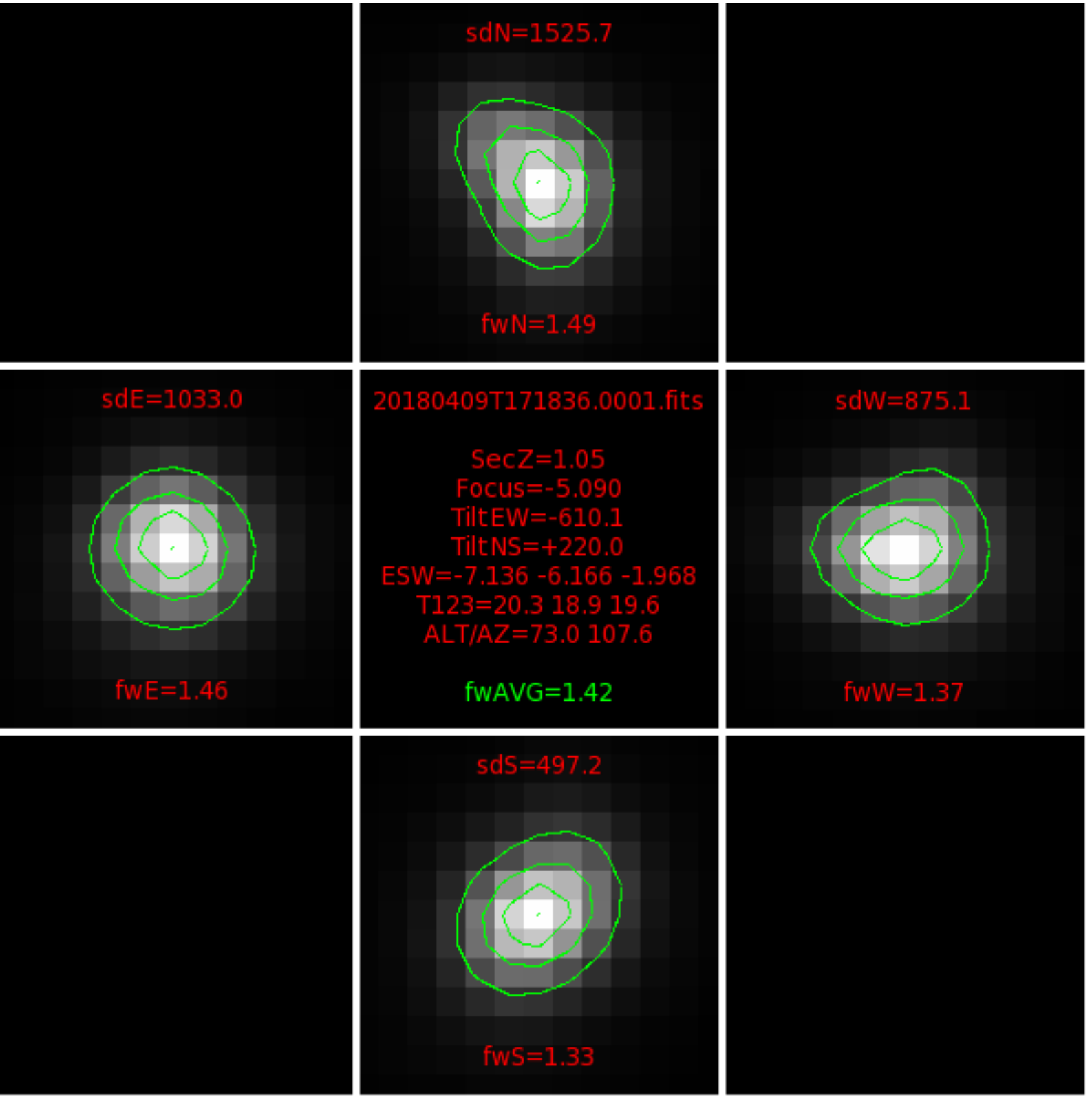
sdN=1525.7
fwN=1.49
sdE=1033.0
fwE=1.46
20180409T171836.0001.fits
SecZ=1.05
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 18.9 19.6
ALT/AZ=73.0 107.6
fwAVG=1.42
sdW=875.1
fwW=1.37
sdS=497.2
fwS=1.33
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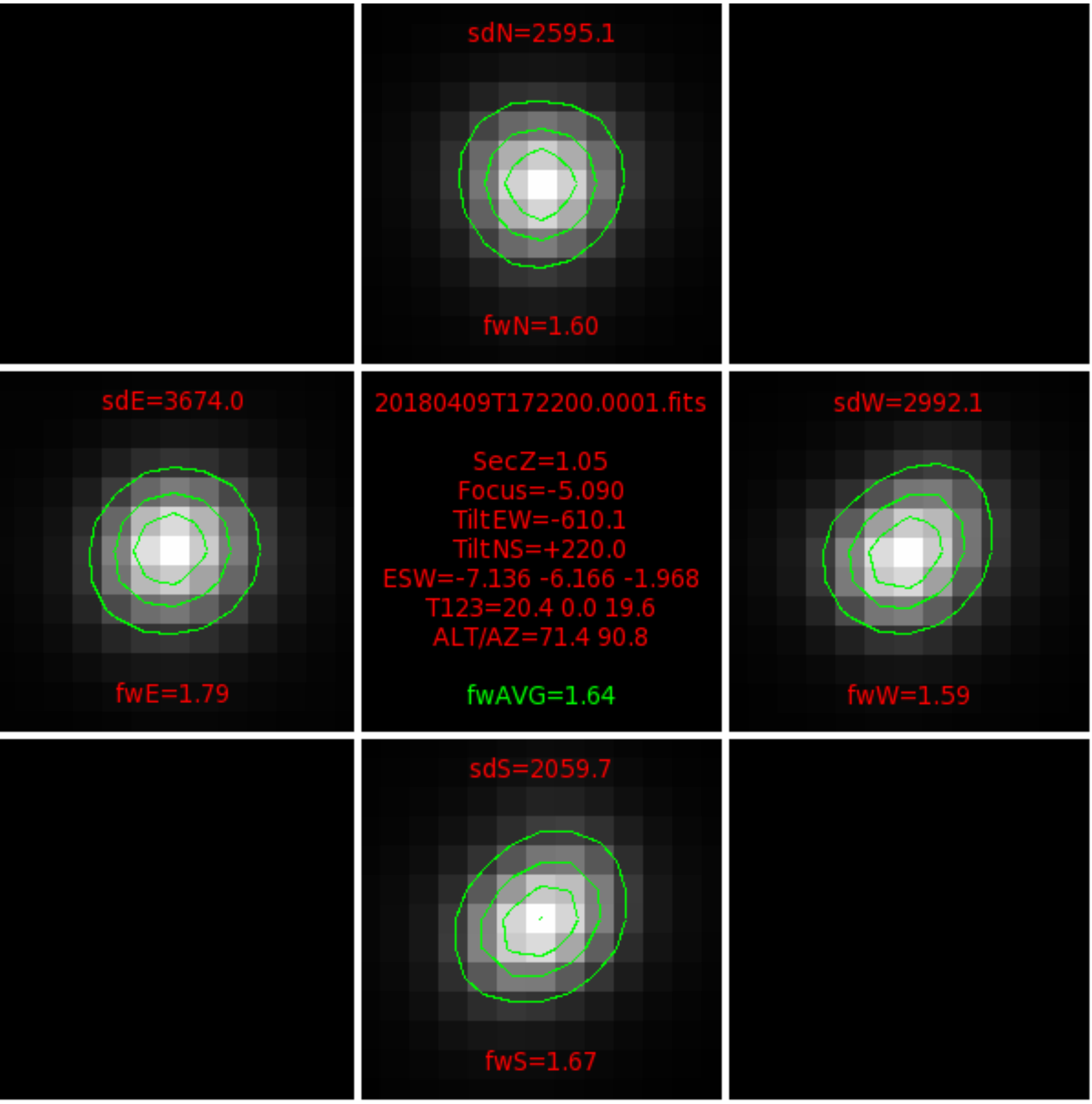
sdN=2595.1
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sdE=3674.0
fwE=1.79
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SecZ=1.05
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 0.0 19.6
ALT/AZ=71.4 90.8
fwAVG=1.64
sdW=2992.1
fwW=1.59
sdS=2059.7
fwS=1.67
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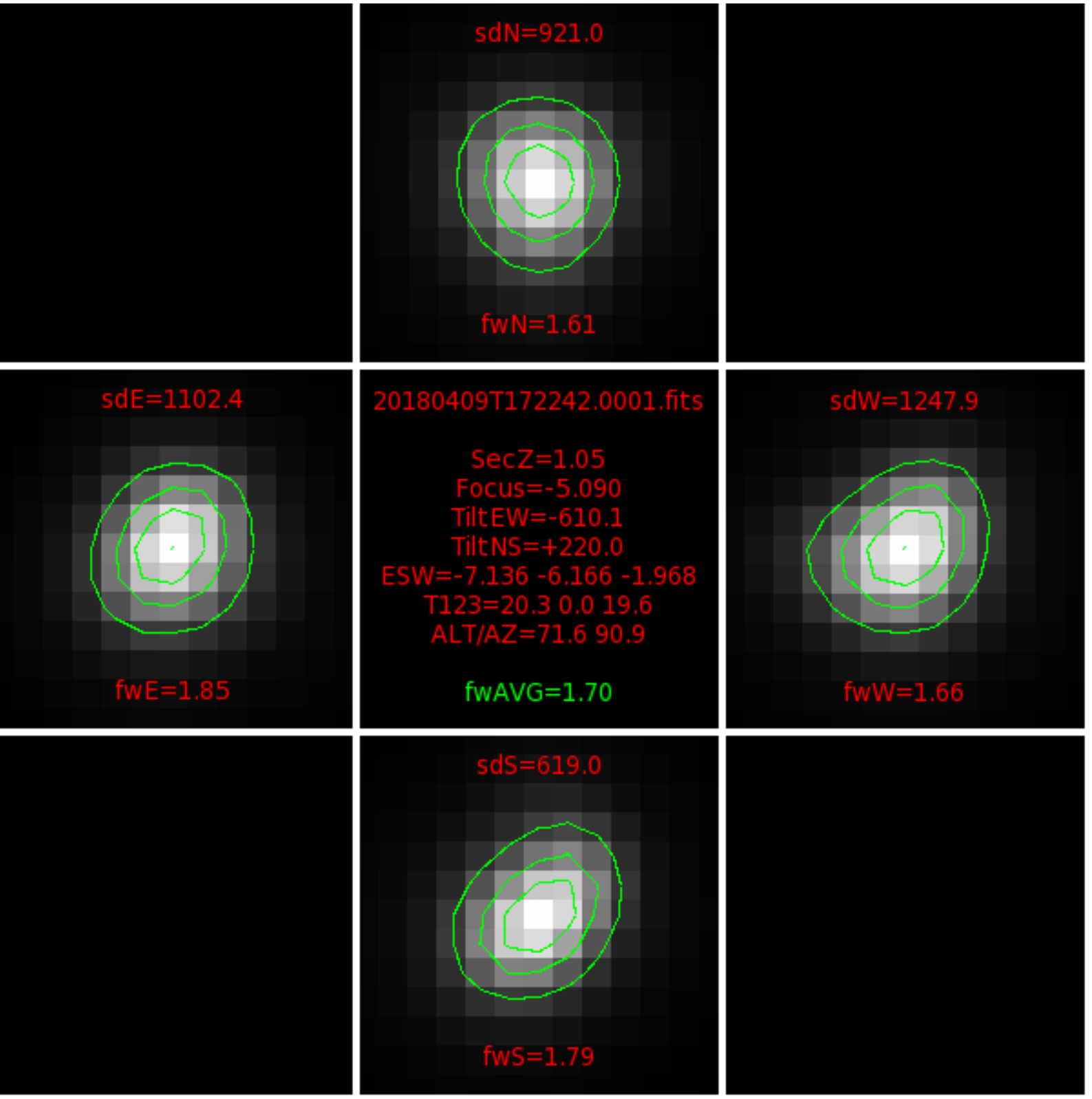
sdN=921.0
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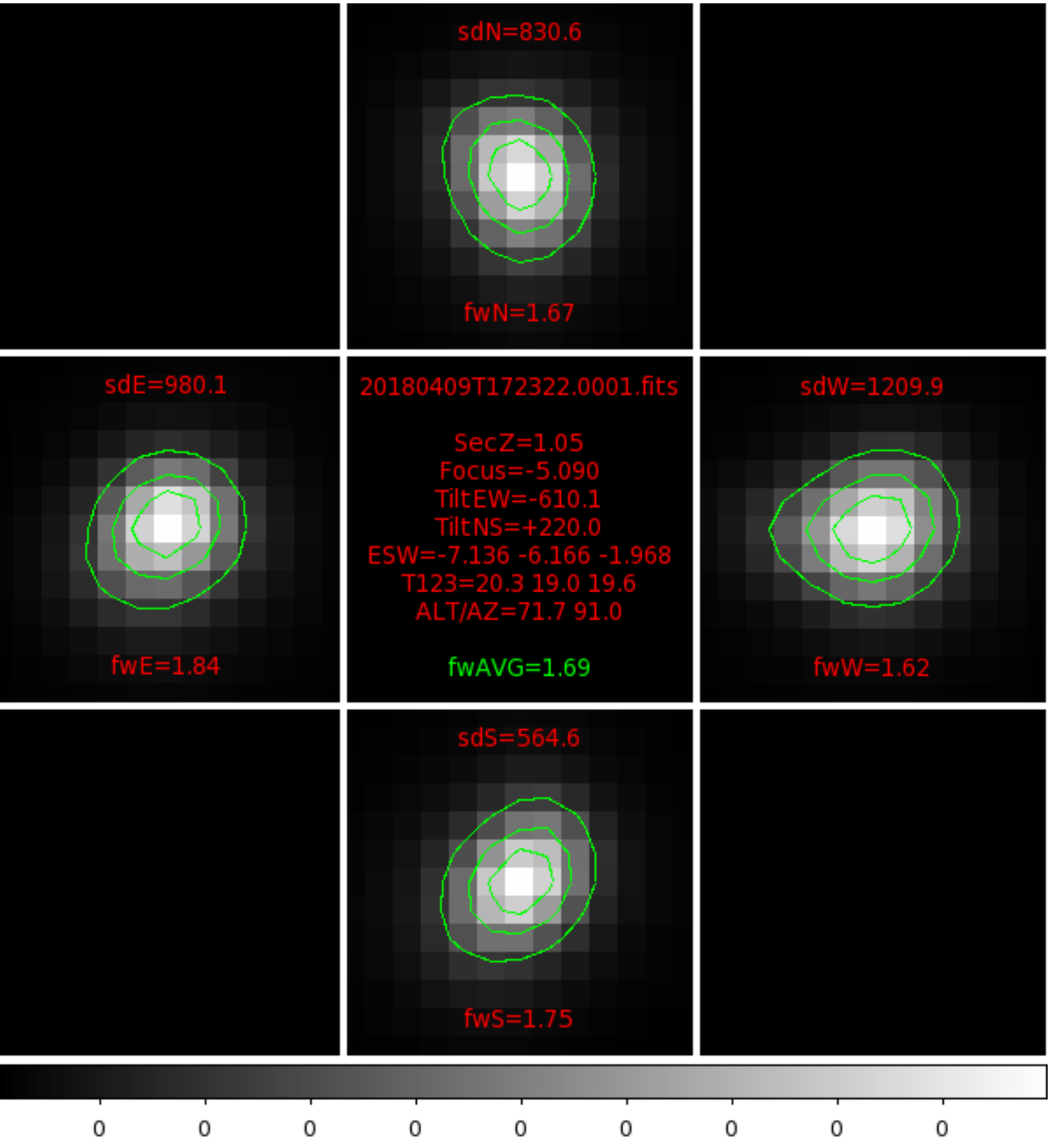
sdE=1102.4
fwE=1.85
20180409T172242.0001.fits
SecZ=1.05
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 0.0 19.6
ALT/AZ=71.6 90.9
fwAVG=1.70
sdW=1247.9
fwW=1.66
sdS=619.0
fwS=1.79
0 0 0 0 0 0 0 0 0


sdN=830.6
fwN=1.67
sdE=980.1
fwE=1.84
20180409T172322.0001.fits
SecZ=1.05
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 19.0 19.6
ALT/AZ=71.7 91.0
fwAVG=1.69
sdW=1209.9
fwW=1.62
sdS=564.6
fwS=1.75
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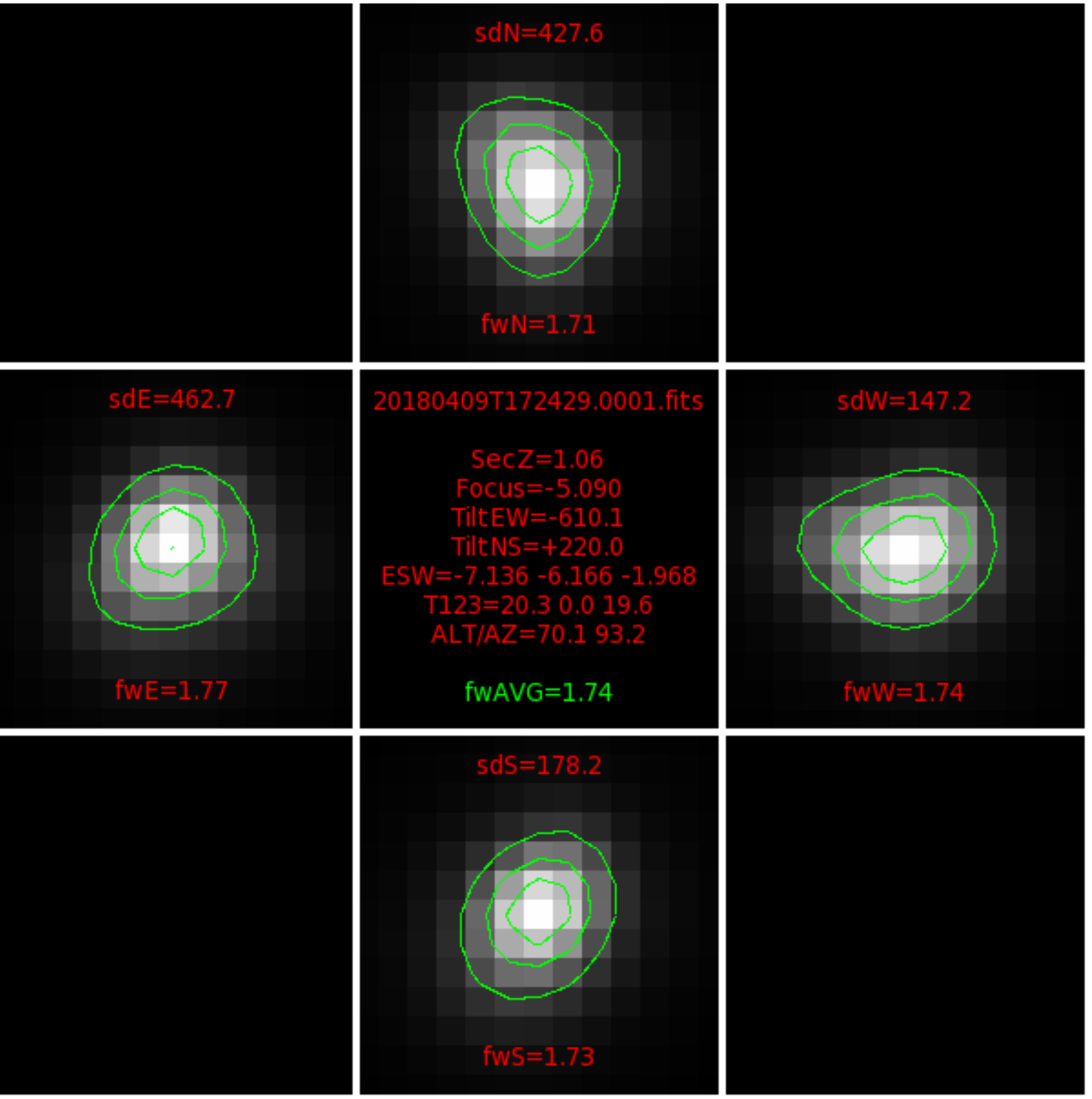
sdN=427.6
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sdE=462.7
fwE=1.77
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SecZ=1.06
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 0.0 19.6
ALT/AZ=70.1 93.2
fwAVG=1.74
sdW=147.2
fwW=1.74
sdS=178.2
fwS=1.73
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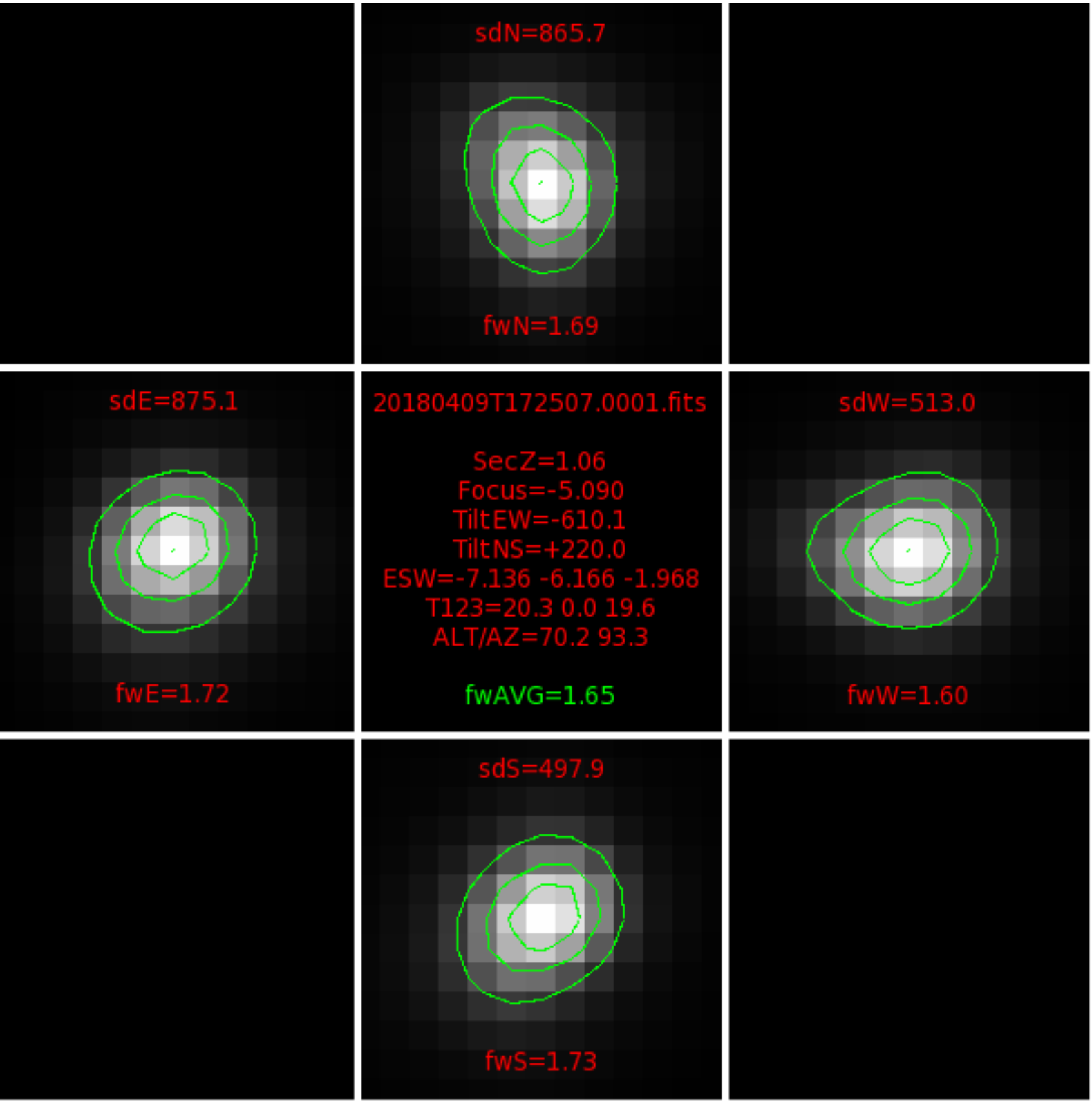
sdN=865.7
fwN=1.69
sdE=875.1
fwE=1.72
20180409T172507.0001.fits
SecZ=1.06
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 0.0 19.6
ALT/AZ=70.2 93.3
fwAVG=1.65
sdW=513.0
fwW=1.60
sdS=497.9
fwS=1.73
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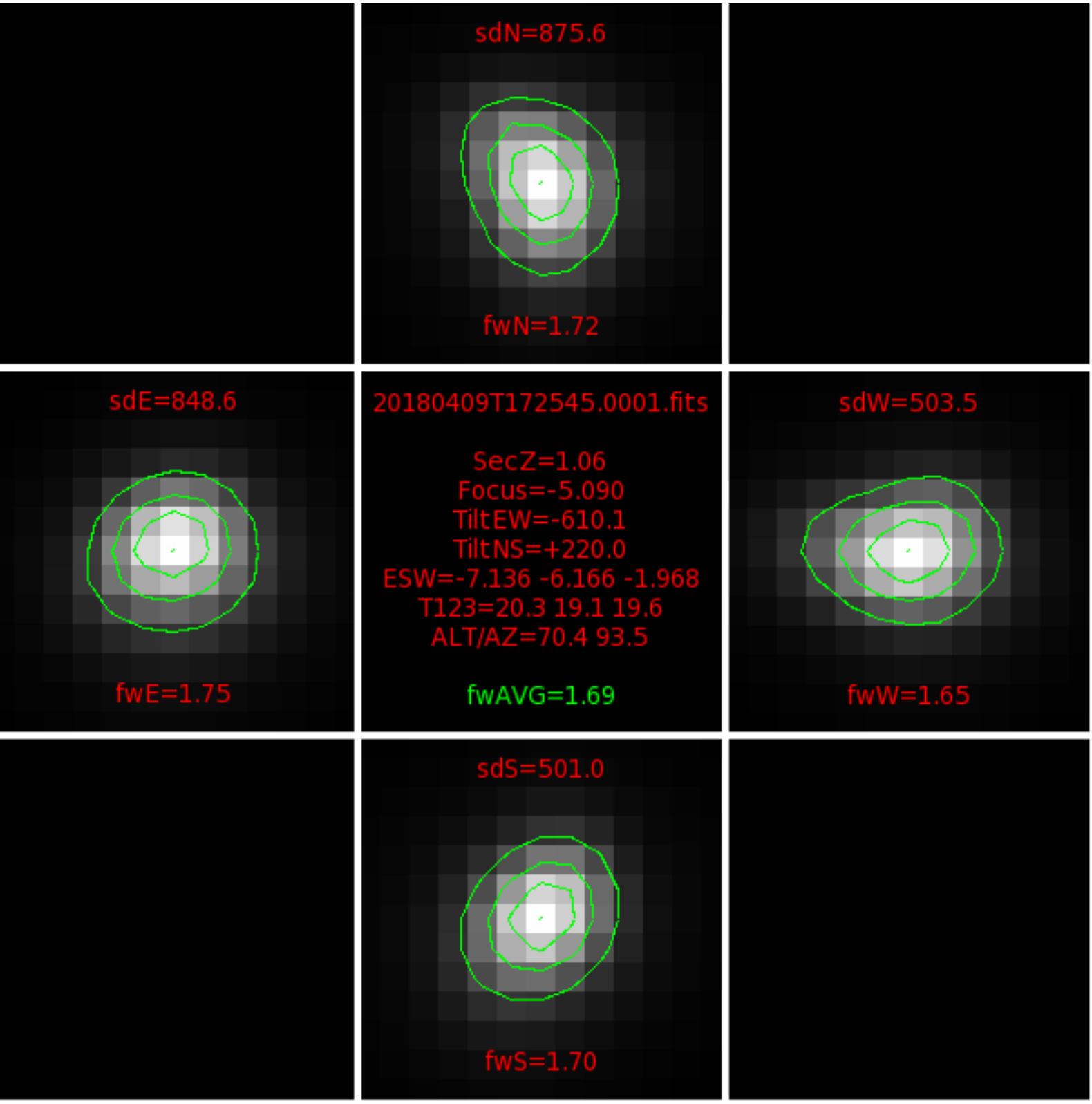
sdN=875.6
fwN=1.72
sdE=848.6
fwE=1.75
20180409T172545.0001.fits
SecZ=1.06
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 19.1 19.6
ALT/AZ=70.4 93.5
fwAVG=1.69
sdW=503.5
fwW=1.65
sdS=501.0
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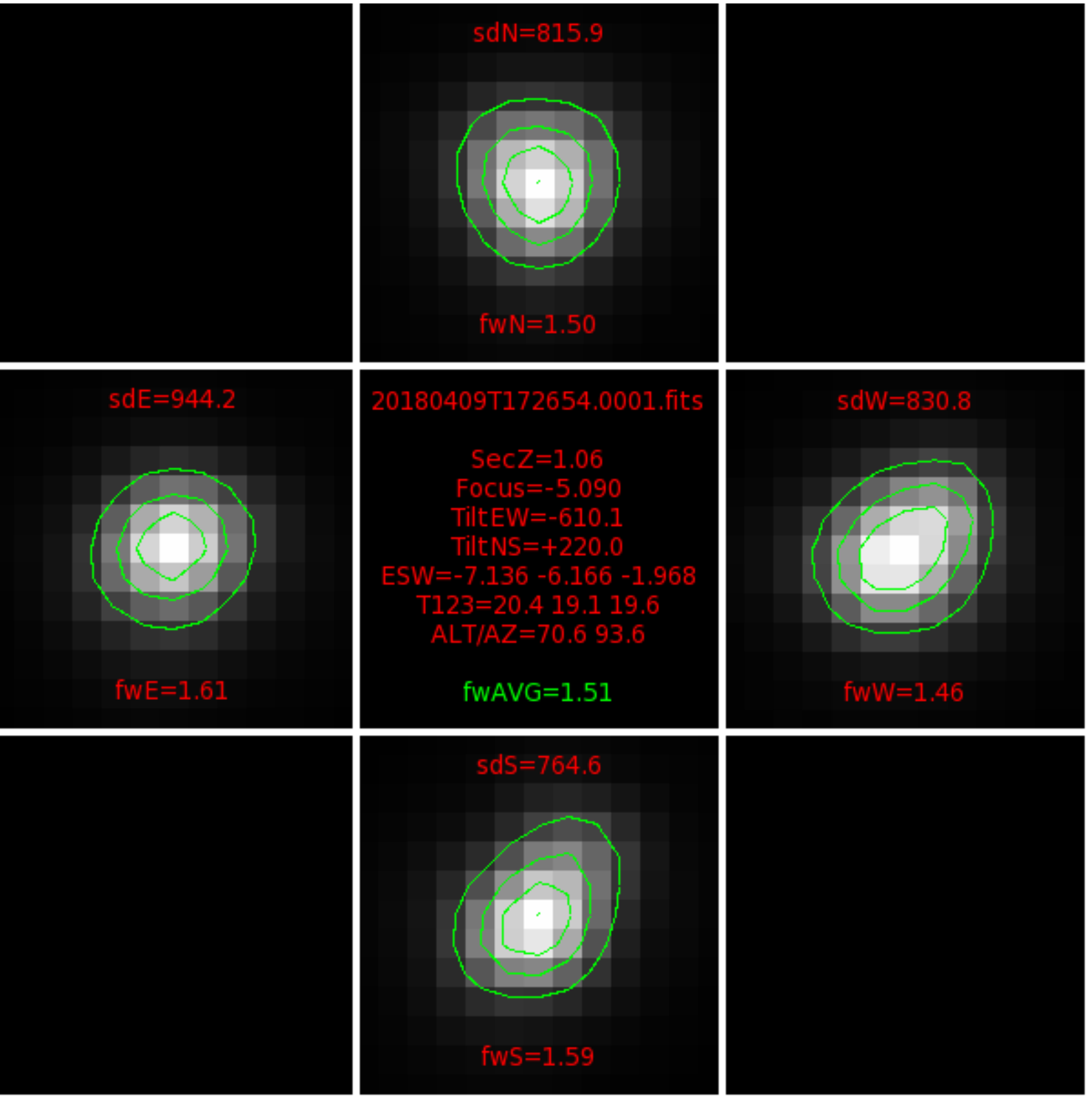
sdN=815.9
fwN=1.50
sdE=944.2
fwE=1.61
20180409T172654.0001.fits
SecZ=1.06
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 19.1 19.6
ALT/AZ=70.6 93.6
fwAVG=1.51
sdW=830.8
fwW=1.46
sdS=764.6
fwS=1.59
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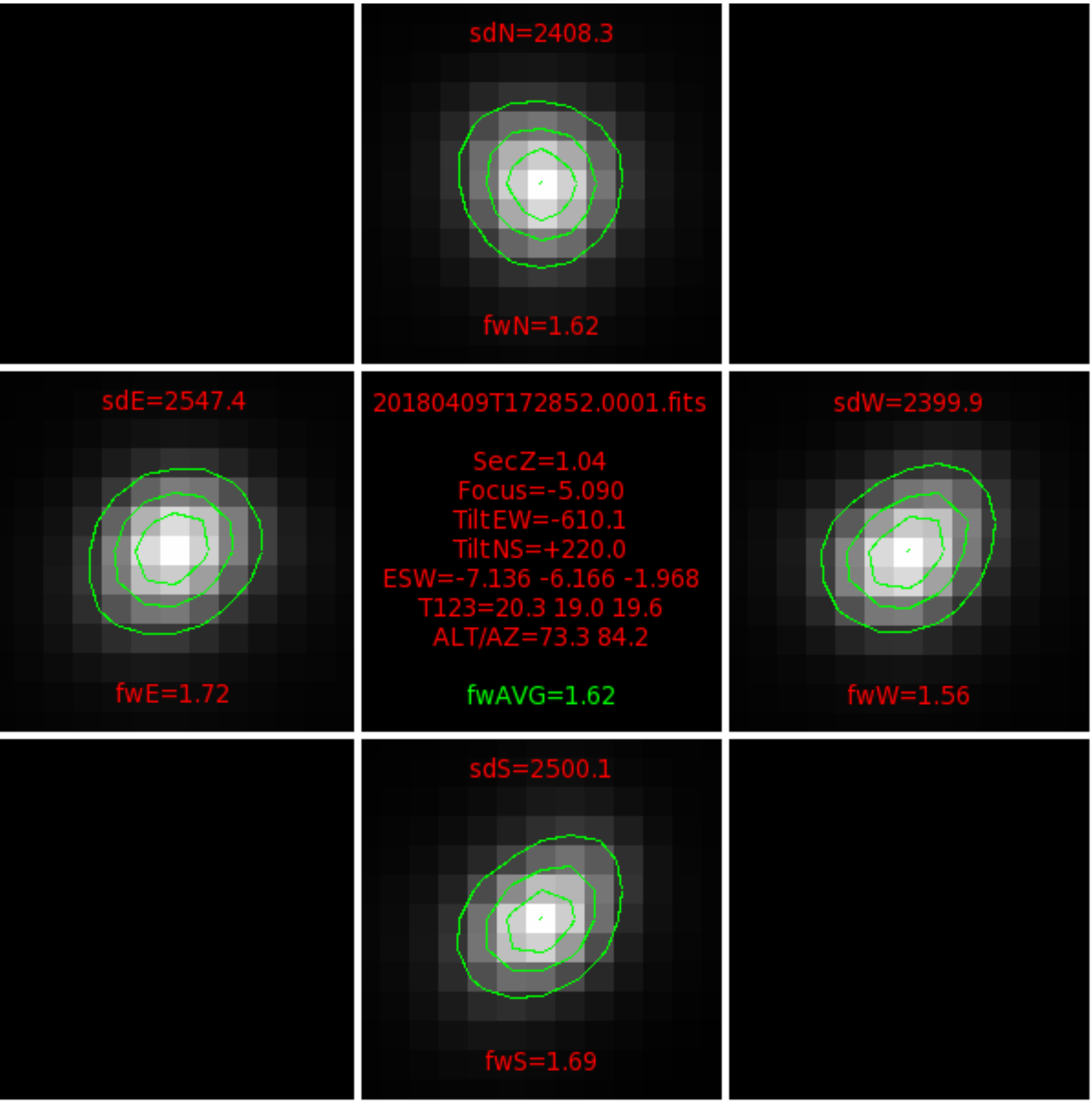
sdN=2408.3
fwN=1.62
sdE=2547.4
fwE=1.72
20180409T172852.0001.fits
SecZ=1.04
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 19.0 19.6
ALT/AZ=73.3 84.2
fwAVG=1.62
sdW=2399.9
fwW=1.56
sdS=2500.1
fwS=1.69
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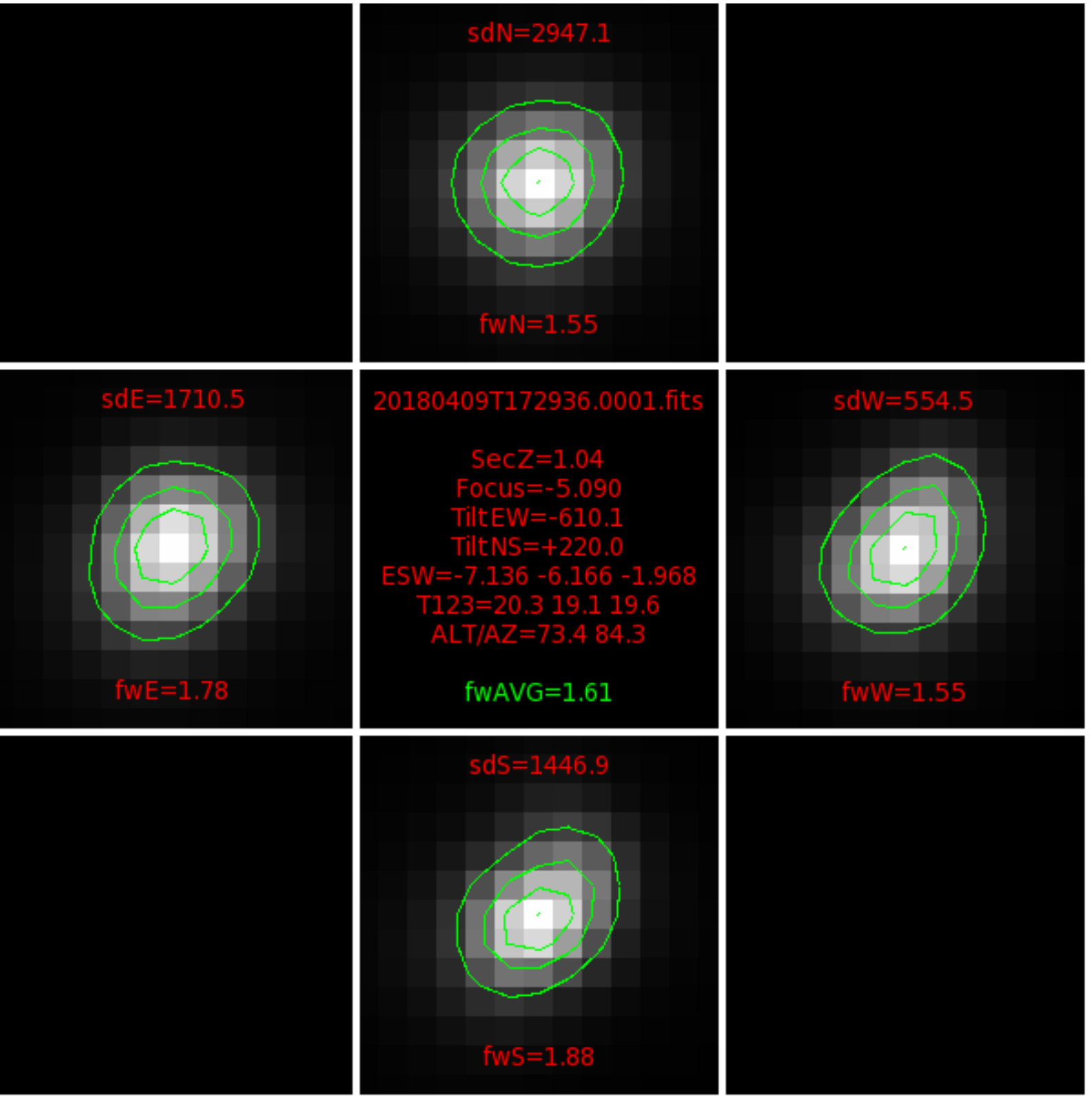
sdN=2947.1
fwN=1.55
sdE=1710.5
fwE=1.78
20180409T172936.0001.fits
SecZ=1.04
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 19.1 19.6
ALT/AZ=73.4 84.3
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sdW=554.5
fwW=1.55
sdS=1446.9
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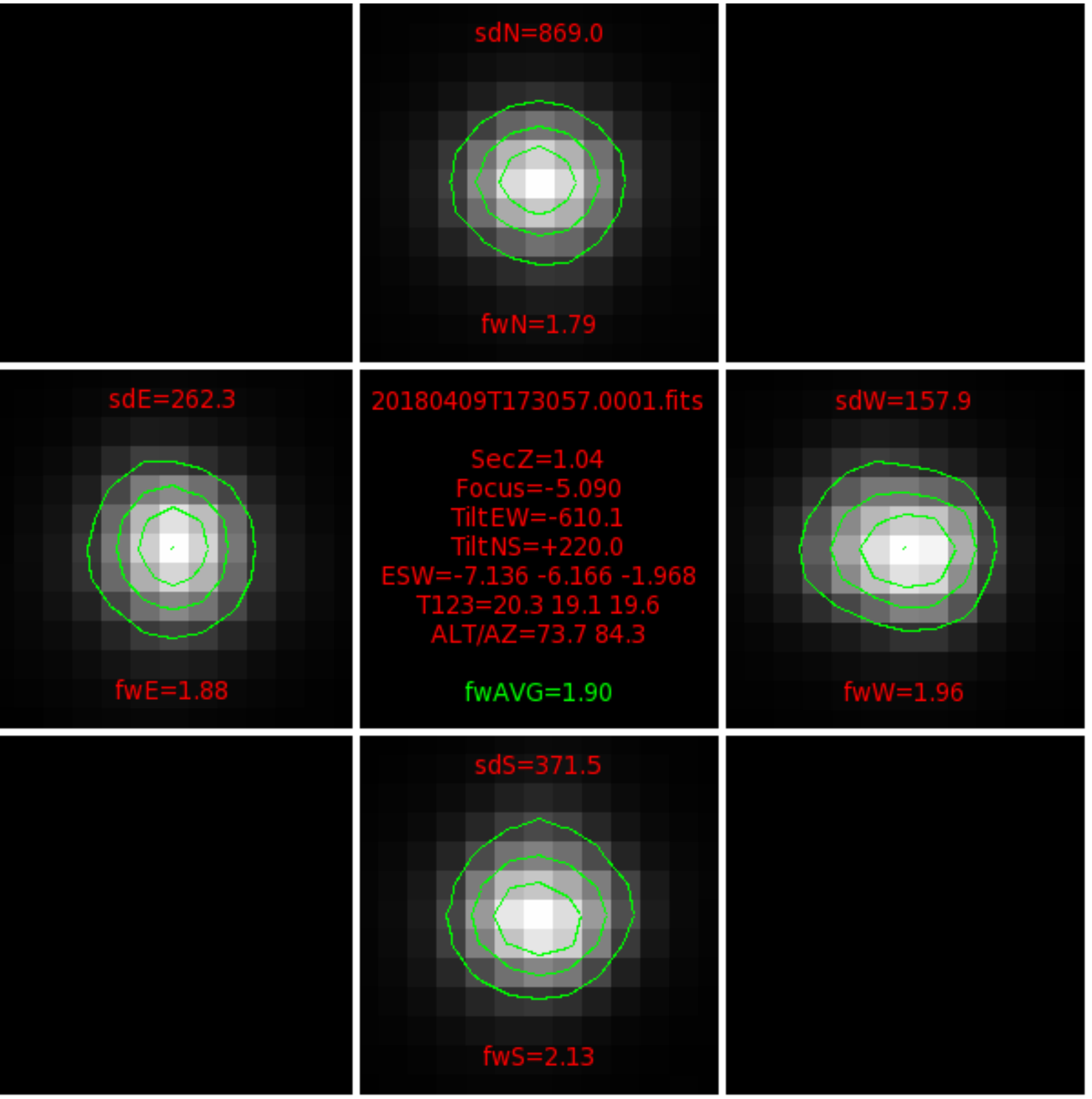
sdN=869.0
fwN=1.79
sdE=262.3
fwE=1.88
20180409T173057.0001.fits
SecZ=1.04
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 19.1 19.6
ALT/AZ=73.7 84.3
fwAVG=1.90
sdW=157.9
fwW=1.96
sdS=371.5
fwS=2.13
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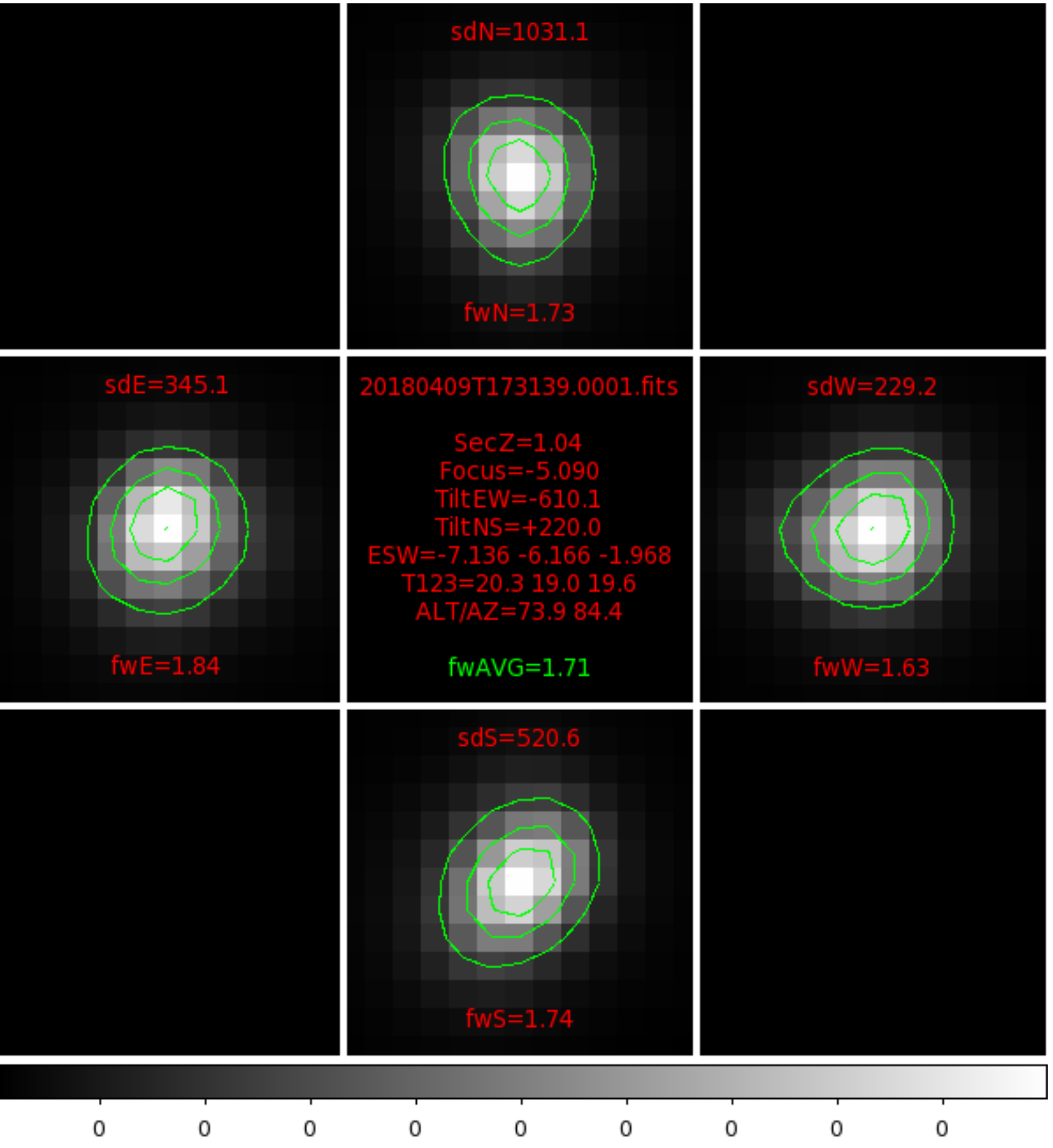
sdN=1031.1
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sdE=345.1
fwE=1.84
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SecZ=1.04
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 19.0 19.6
ALT/AZ=73.9 84.4
fwAVG=1.71
sdW=229.2
fwW=1.63
sdS=520.6
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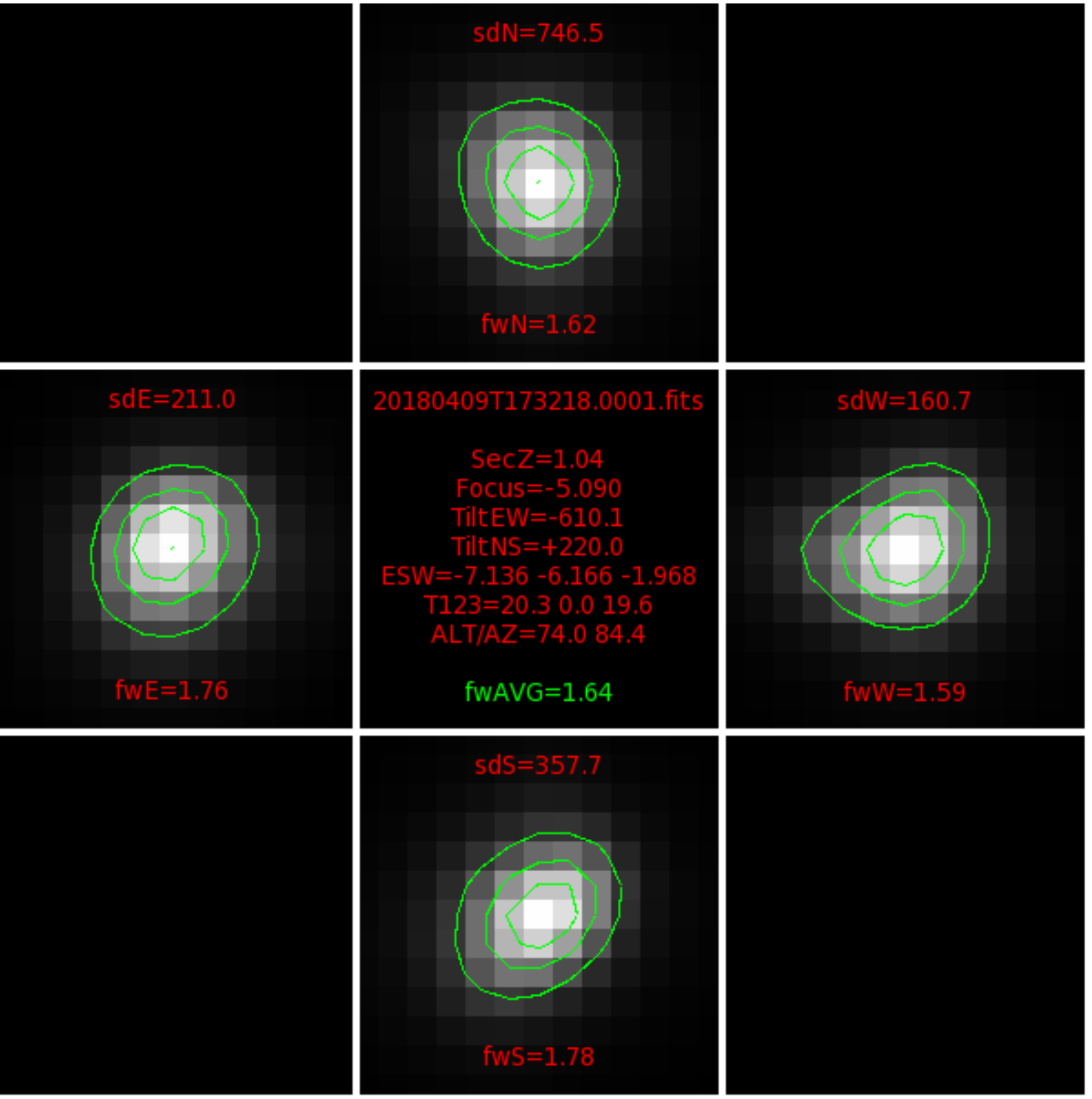
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sdE=211.0
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SecZ=1.04
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 0.0 19.6
ALT/AZ=74.0 84.4
fwAVG=1.64
sdW=160.7
fwW=1.59
sdS=357.7
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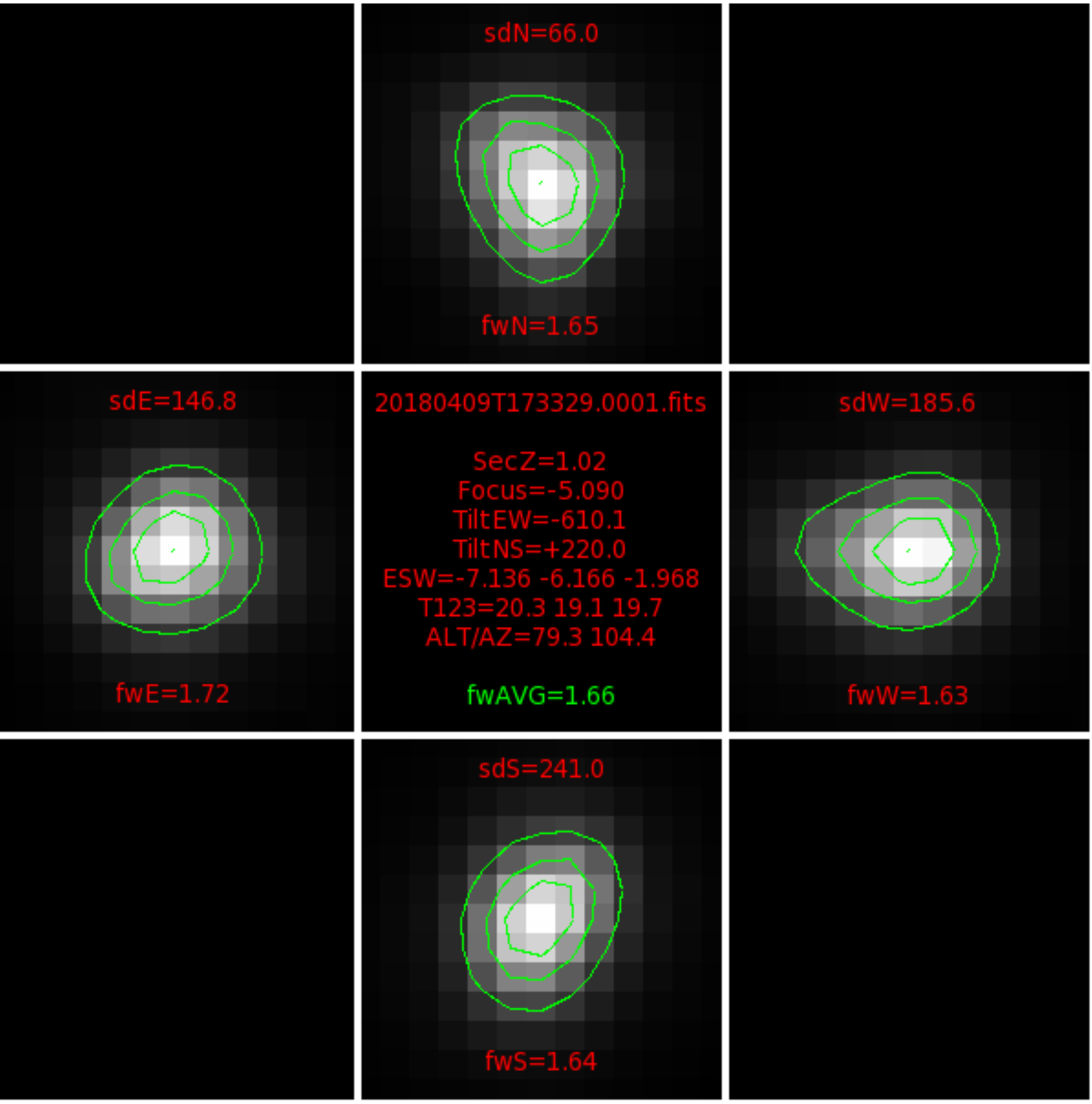
sdN=66.0
fwN=1.65
sdE=146.8
fwE=1.72
20180409T173329.0001.fits
SecZ=1.02
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 19.1 19.7
ALT/AZ=79.3 104.4
fwAVG=1.66
sdW=185.6
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sdS=241.0
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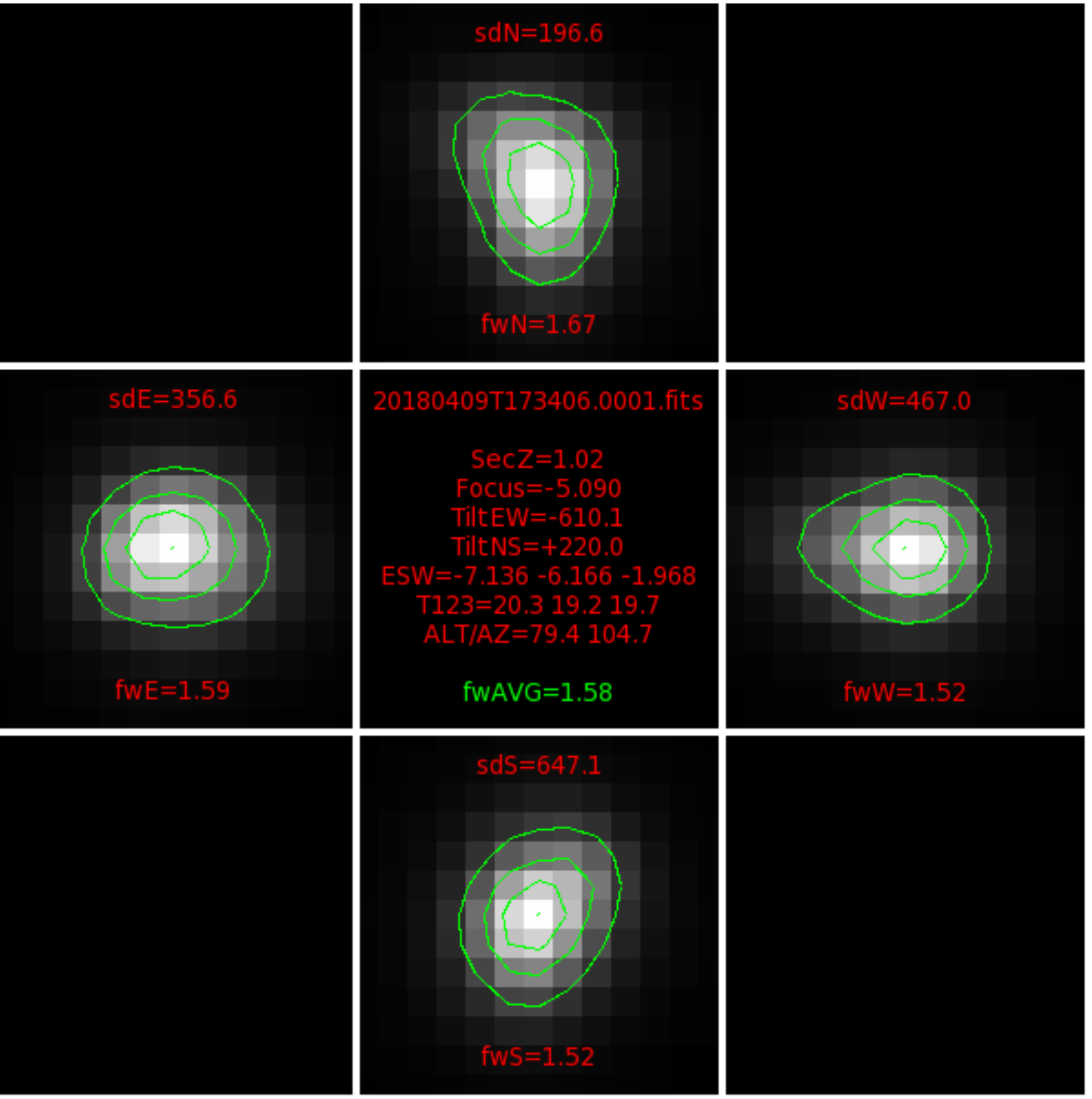
sdN=196.6
fwN=1.67
sdE=356.6
fwE=1.59
20180409T173406.0001.fits
SecZ=1.02
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 19.2 19.7
ALT/AZ=79.4 104.7
fwAVG=1.58
sdW=467.0
fwW=1.52
sdS=647.1
fwS=1.52
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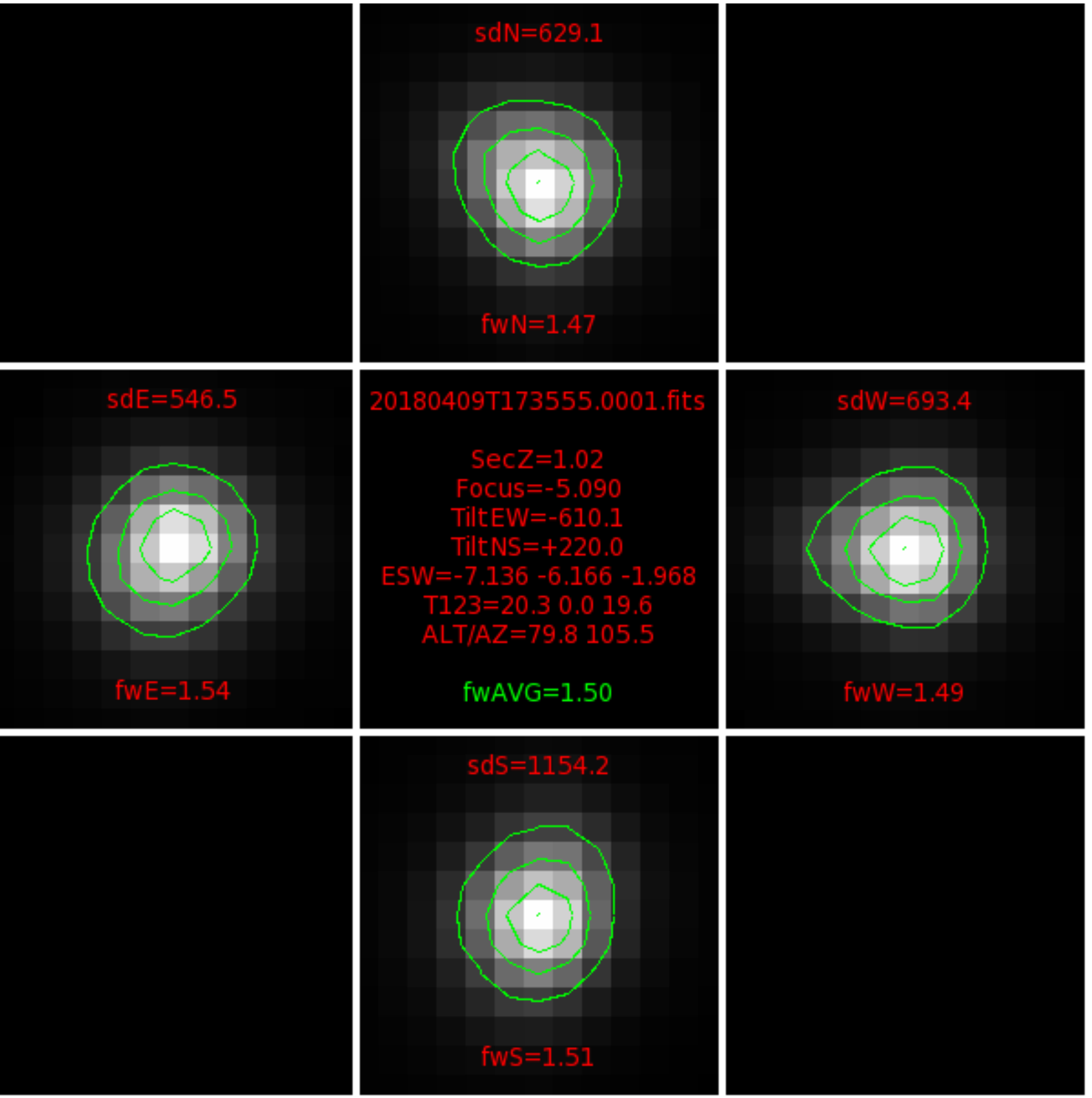
sdN=629.1
fwN=1.47
sdE=546.5
fwE=1.54
20180409T173555.0001.fits
SecZ=1.02
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 0.0 19.6
ALT/AZ=79.8 105.5
fwAVG=1.50
sdW=693.4
fwW=1.49
sdS=1154.2
fwS=1.51
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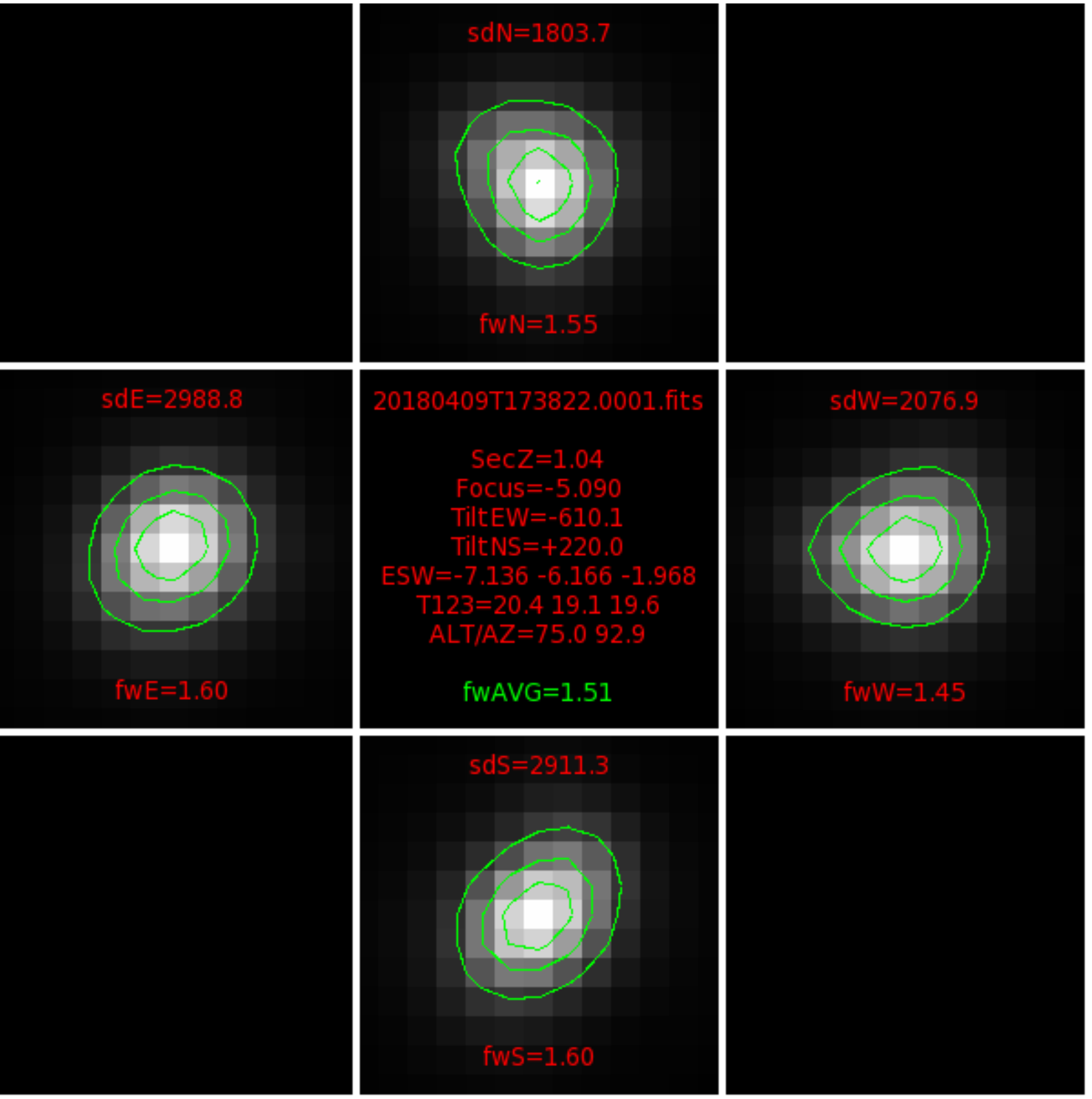
sdN=1803.7
fwN=1.55
sdE=2988.8
fwE=1.60
20180409T173822.0001.fits
SecZ=1.04
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 19.1 19.6
ALT/AZ=75.0 92.9
fwAVG=1.51
sdW=2076.9
fwW=1.45
sdS=2911.3
fwS=1.60
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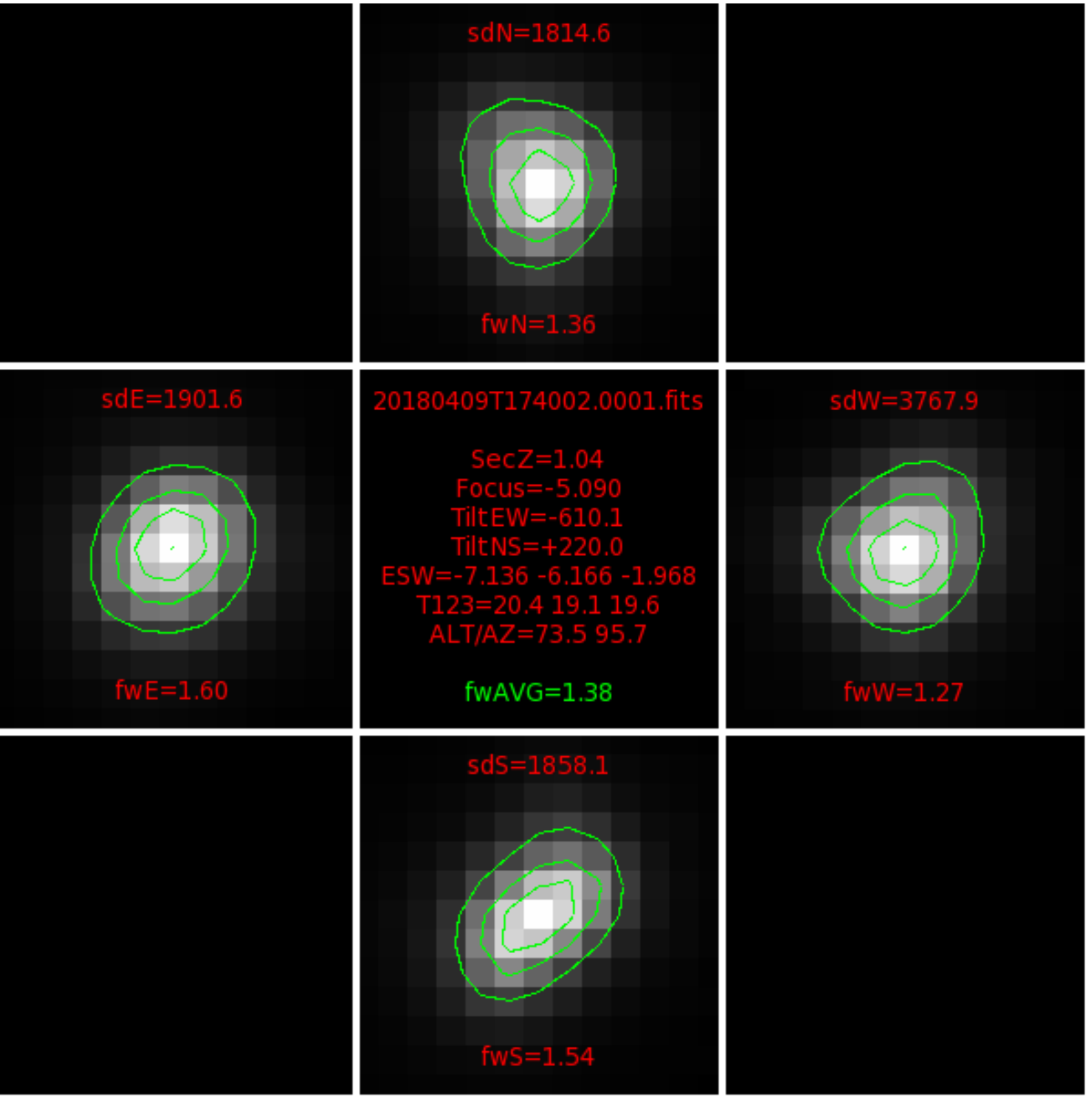
sdN=1814.6
fwN=1.36
sdE=1901.6
fwE=1.60
20180409T174002.0001.fits
SecZ=1.04
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 19.1 19.6
ALT/AZ=73.5 95.7
fwAVG=1.38
sdW=3767.9
fwW=1.27
sdS=1858.1
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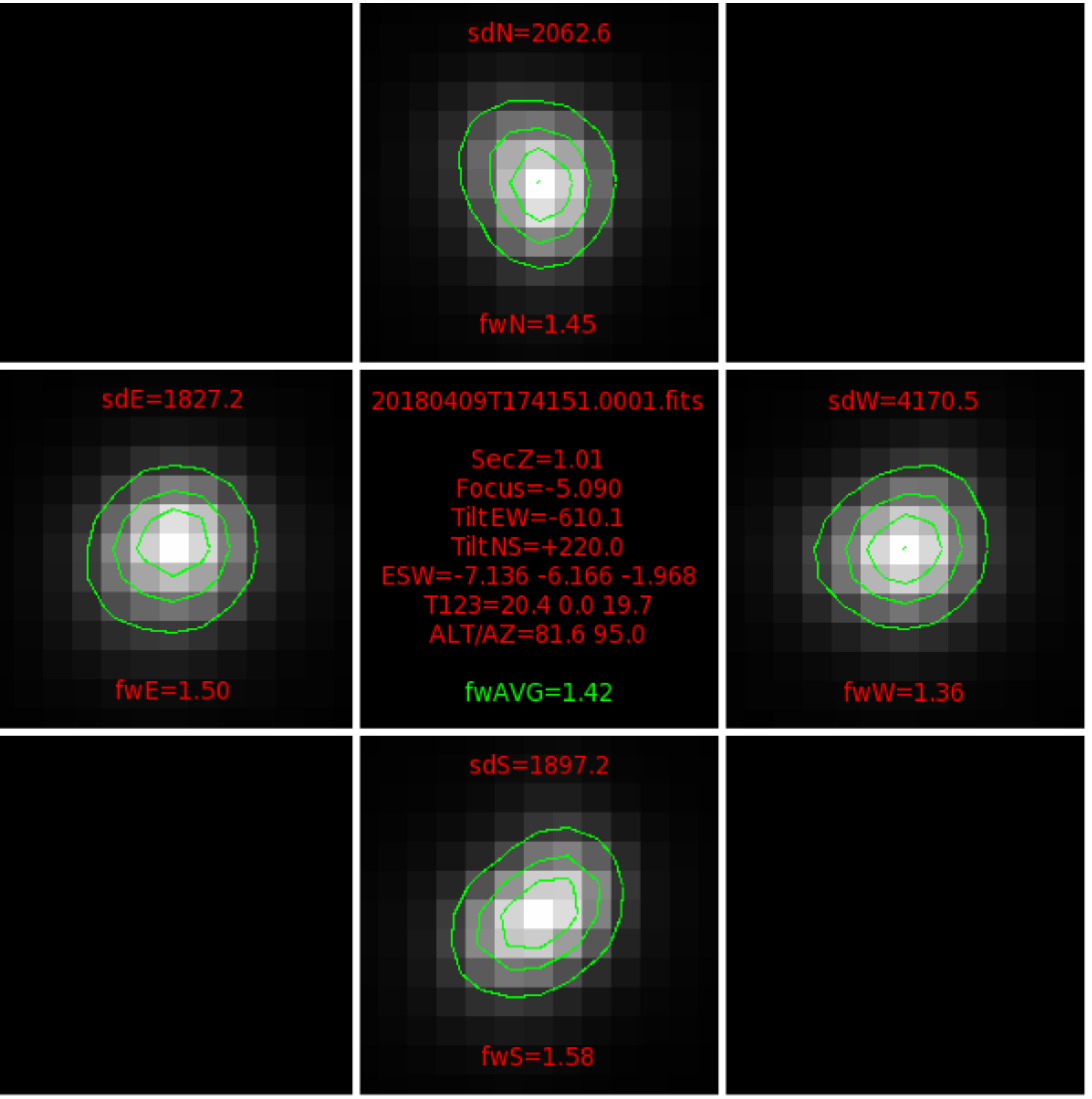
sdN=2062.6
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sdE=1827.2
fwE=1.50
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SecZ=1.01
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.4 0.0 19.7
ALT/AZ=81.6 95.0
fwAVG=1.42
sdW=4170.5
fwW=1.36
sdS=1897.2
fwS=1.58
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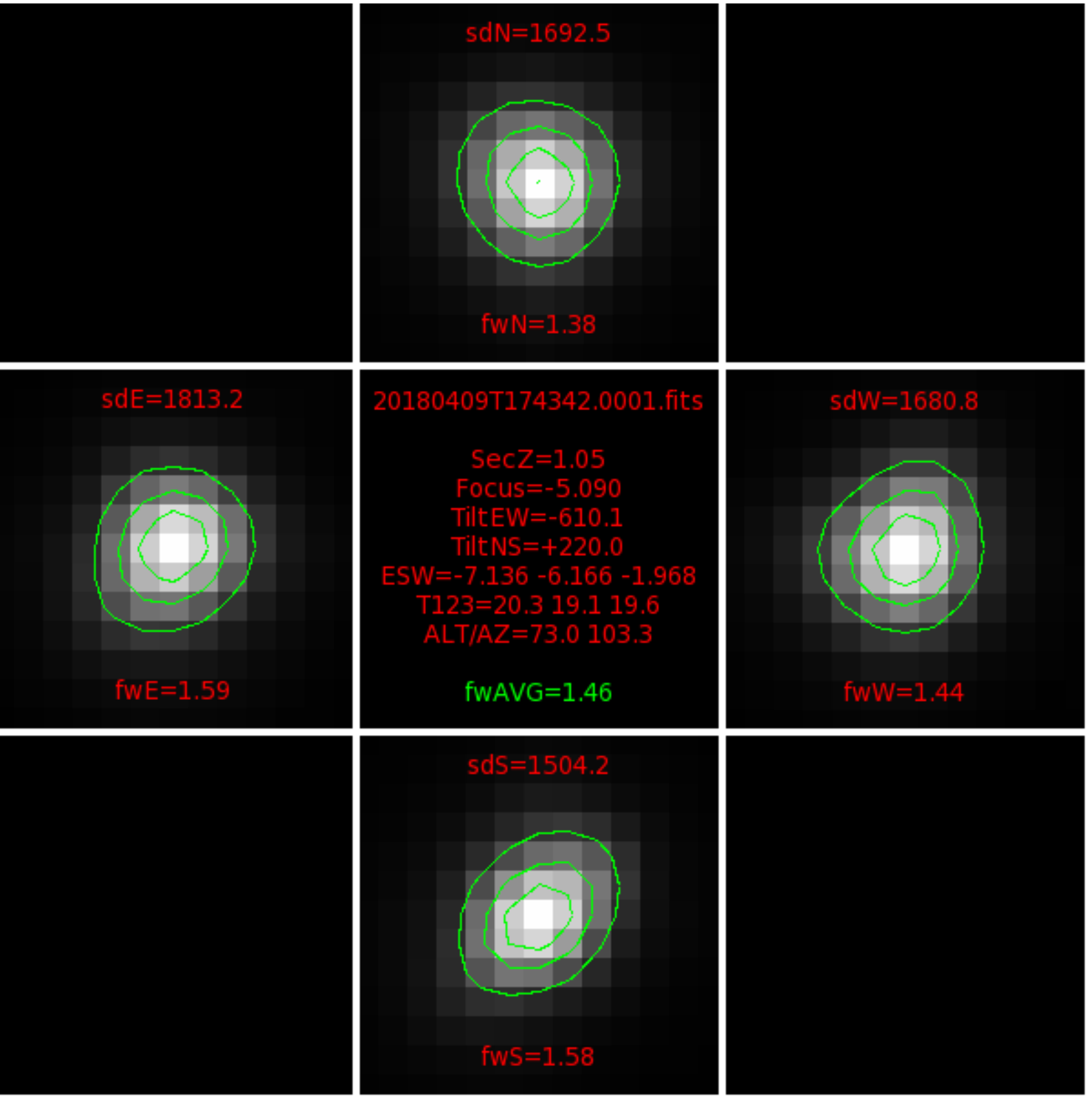
sdN=1692.5
fwN=1.38
sdE=1813.2
fwE=1.59
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SecZ=1.05
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 19.1 19.6
ALT/AZ=73.0 103.3
fwAVG=1.46
sdW=1680.8
fwW=1.44
sdS=1504.2
fwS=1.58
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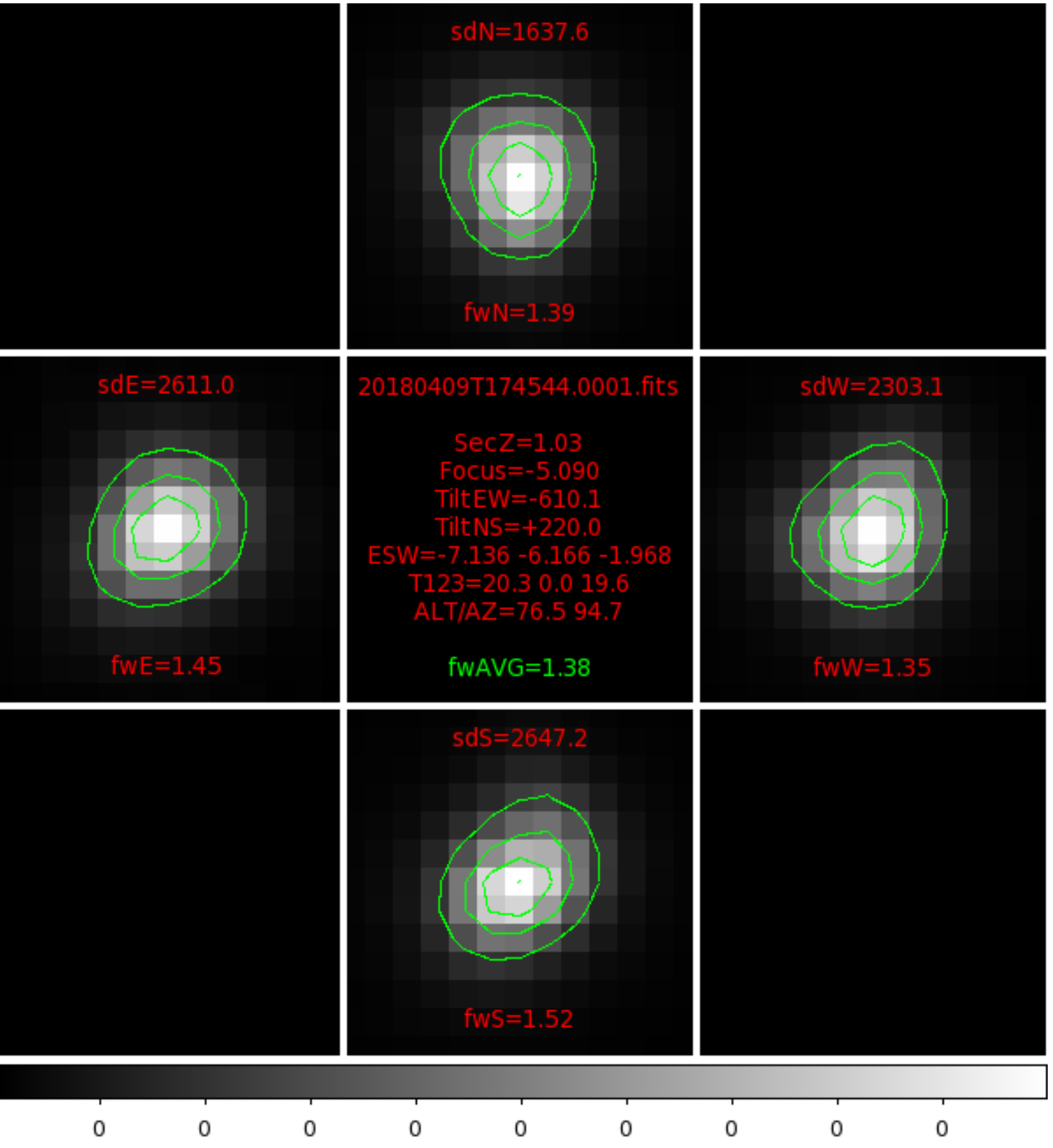
sdN=1637.6
fwN=1.39
sdE=2611.0
fwE=1.45
20180409T174544.0001.fits
SecZ=1.03
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 0.0 19.6
ALT/AZ=76.5 94.7
fwAVG=1.38
sdW=2303.1
fwW=1.35
sdS=2647.2
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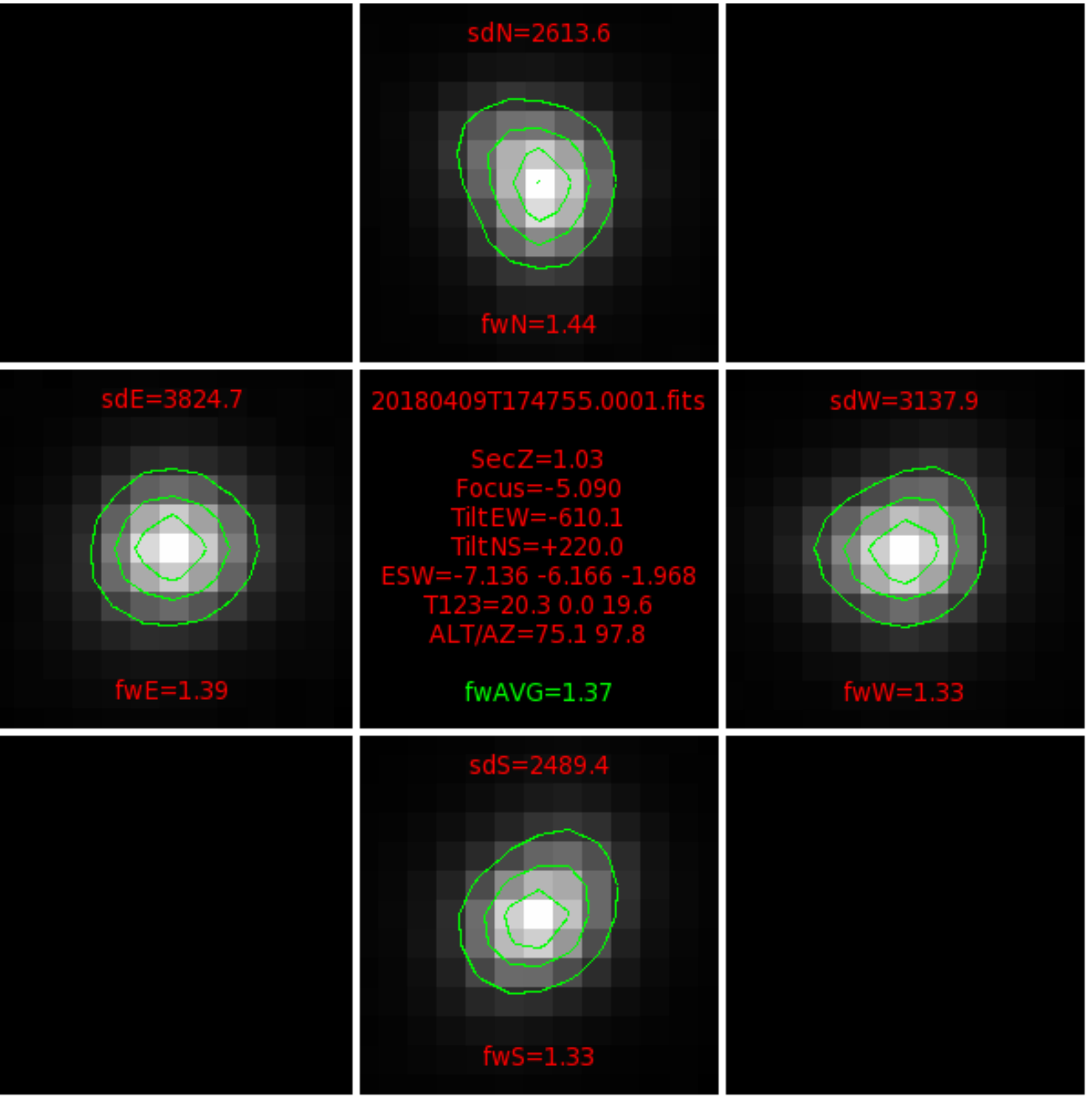
sdN=2613.6
fwN=1.44
sdE=3824.7
fwE=1.39
20180409T174755.0001.fits
SecZ=1.03
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 0.0 19.6
ALT/AZ=75.1 97.8
fwAVG=1.37
sdW=3137.9
fwW=1.33
sdS=2489.4
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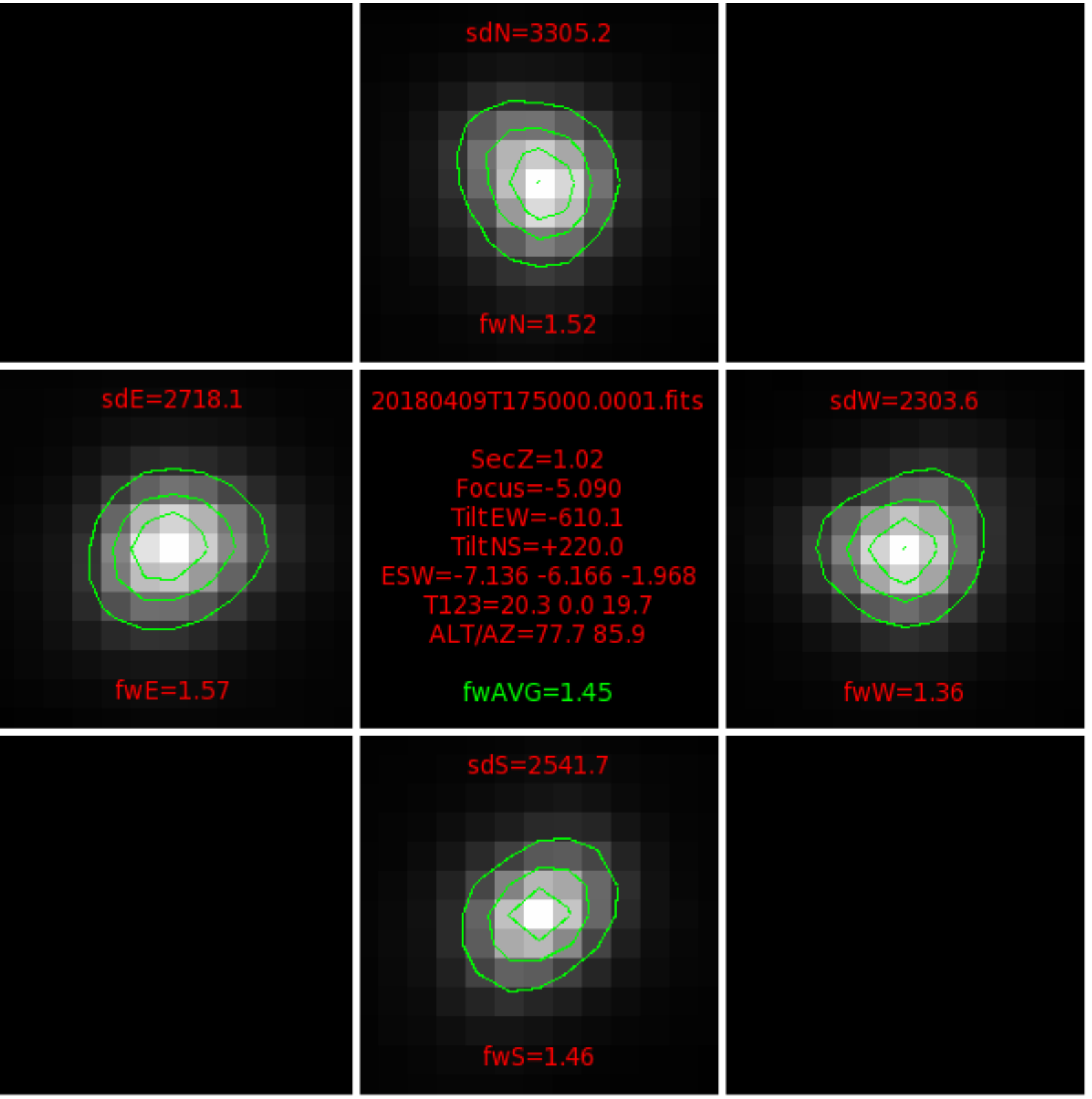
sdN=3305.2
fwN=1.52
sdE=2718.1
fwE=1.57
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SecZ=1.02
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 0.0 19.7
ALT/AZ=77.7 85.9
fwAVG=1.45
sdW=2303.6
fwW=1.36
sdS=2541.7
fwS=1.46
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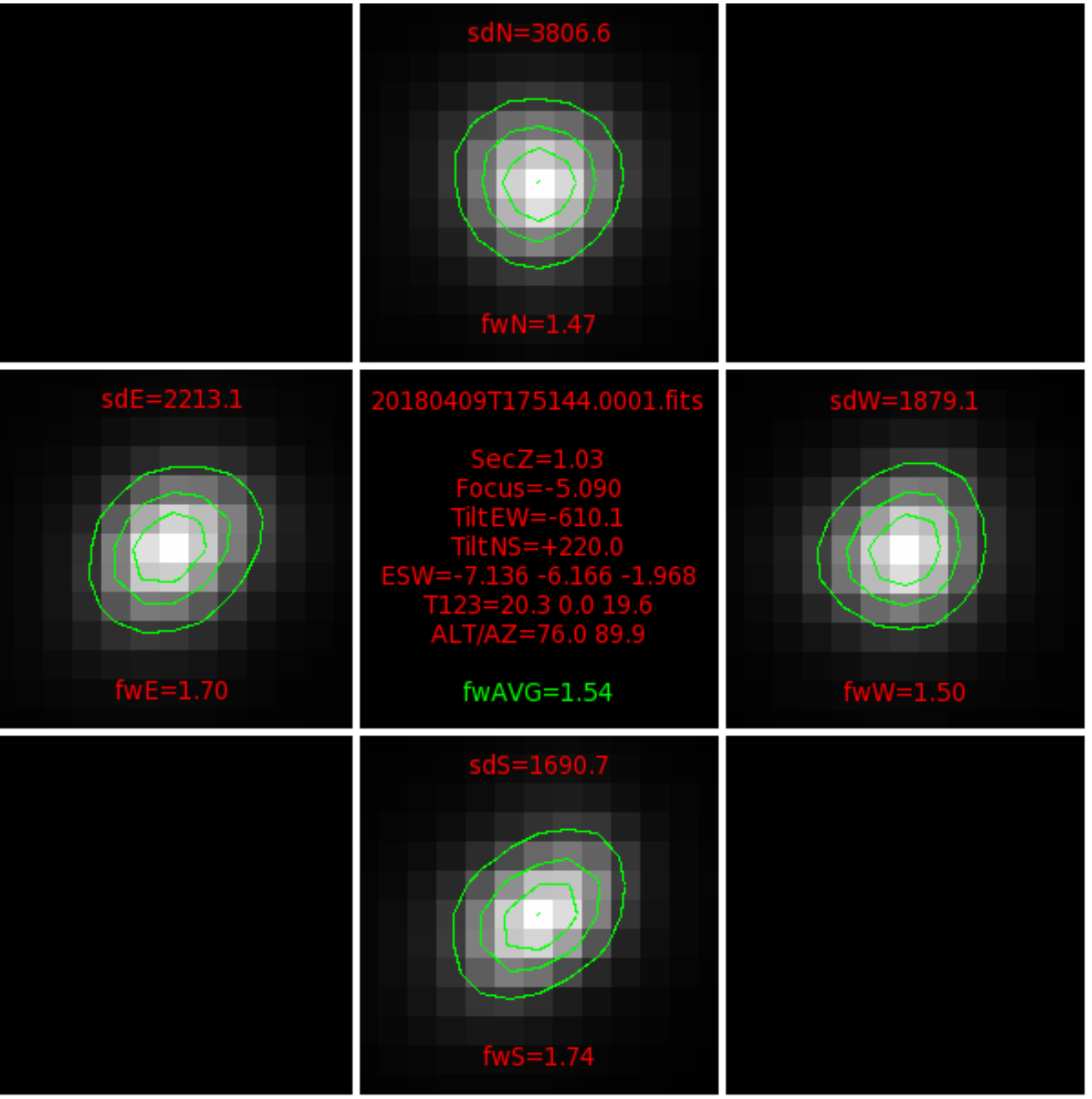
sdN=3806.6
fwN=1.47
sdE=2213.1
fwE=1.70
20180409T175144.0001.fits
SecZ=1.03
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 0.0 19.6
ALT/AZ=76.0 89.9
fwAVG=1.54
sdW=1879.1
fwW=1.50
sdS=1690.7
fwS=1.74
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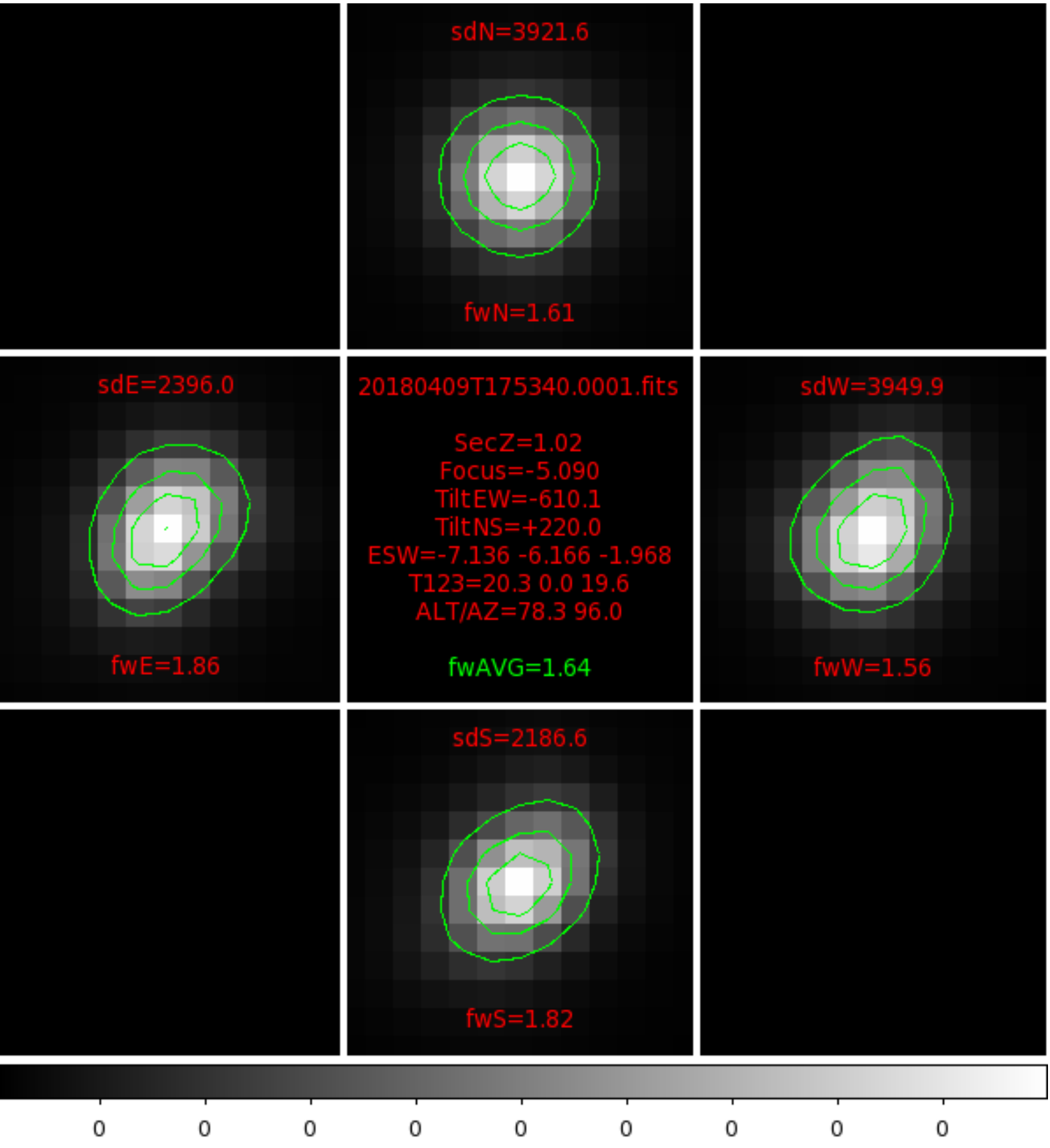
sdN=3921.6
fwN=1.61
sdE=2396.0
fwE=1.86
20180409T175340.0001.fits
SecZ=1.02
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 0.0 19.6
ALT/AZ=78.3 96.0
fwAVG=1.64
sdW=3949.9
fwW=1.56
sdS=2186.6
fwS=1.82
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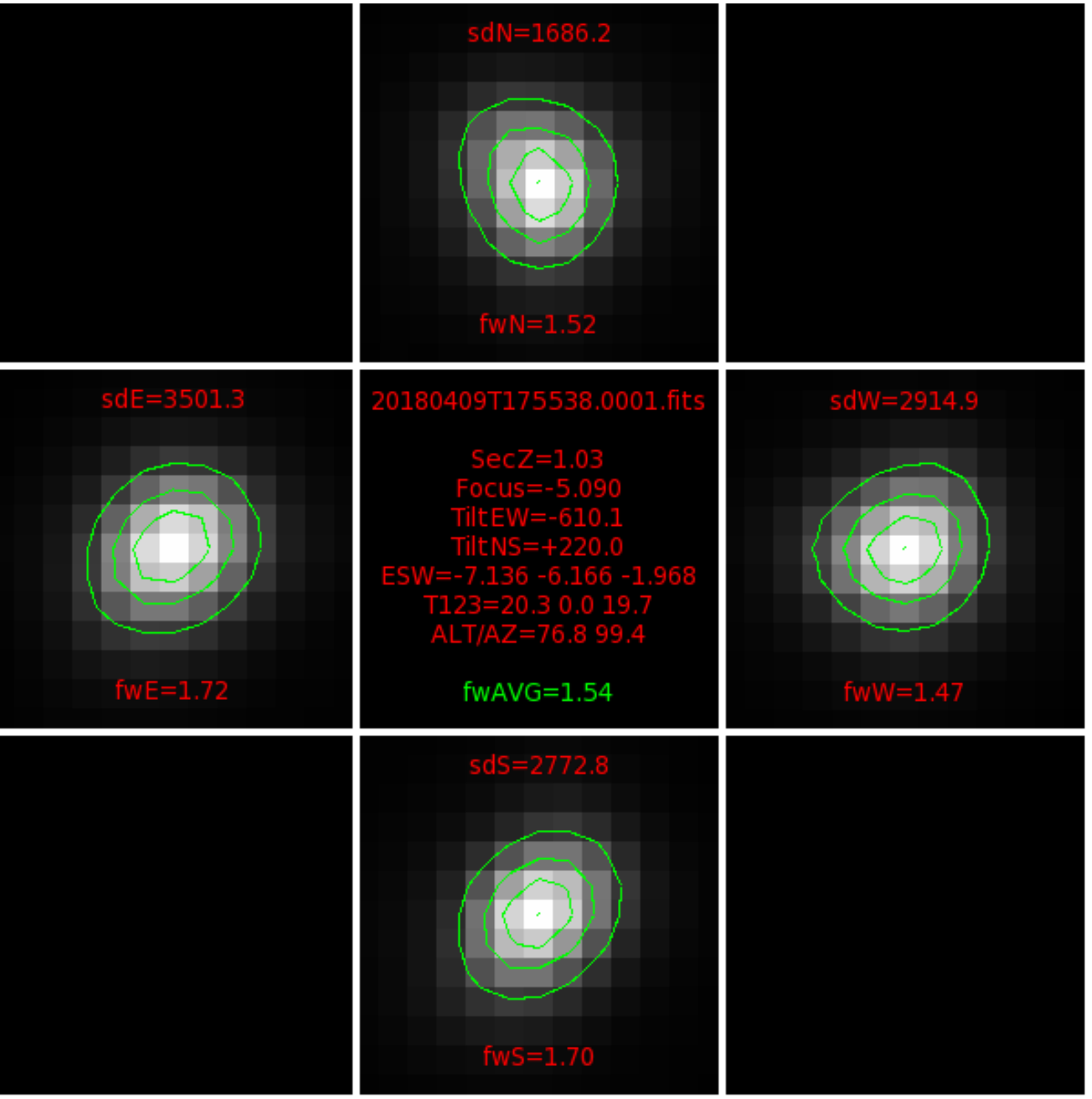
sdN=1686.2
fwN=1.52
sdE=3501.3
fwE=1.72
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SecZ=1.03
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 0.0 19.7
ALT/AZ=76.8 99.4
fwAVG=1.54
sdW=2914.9
fwW=1.47
sdS=2772.8
fwS=1.70
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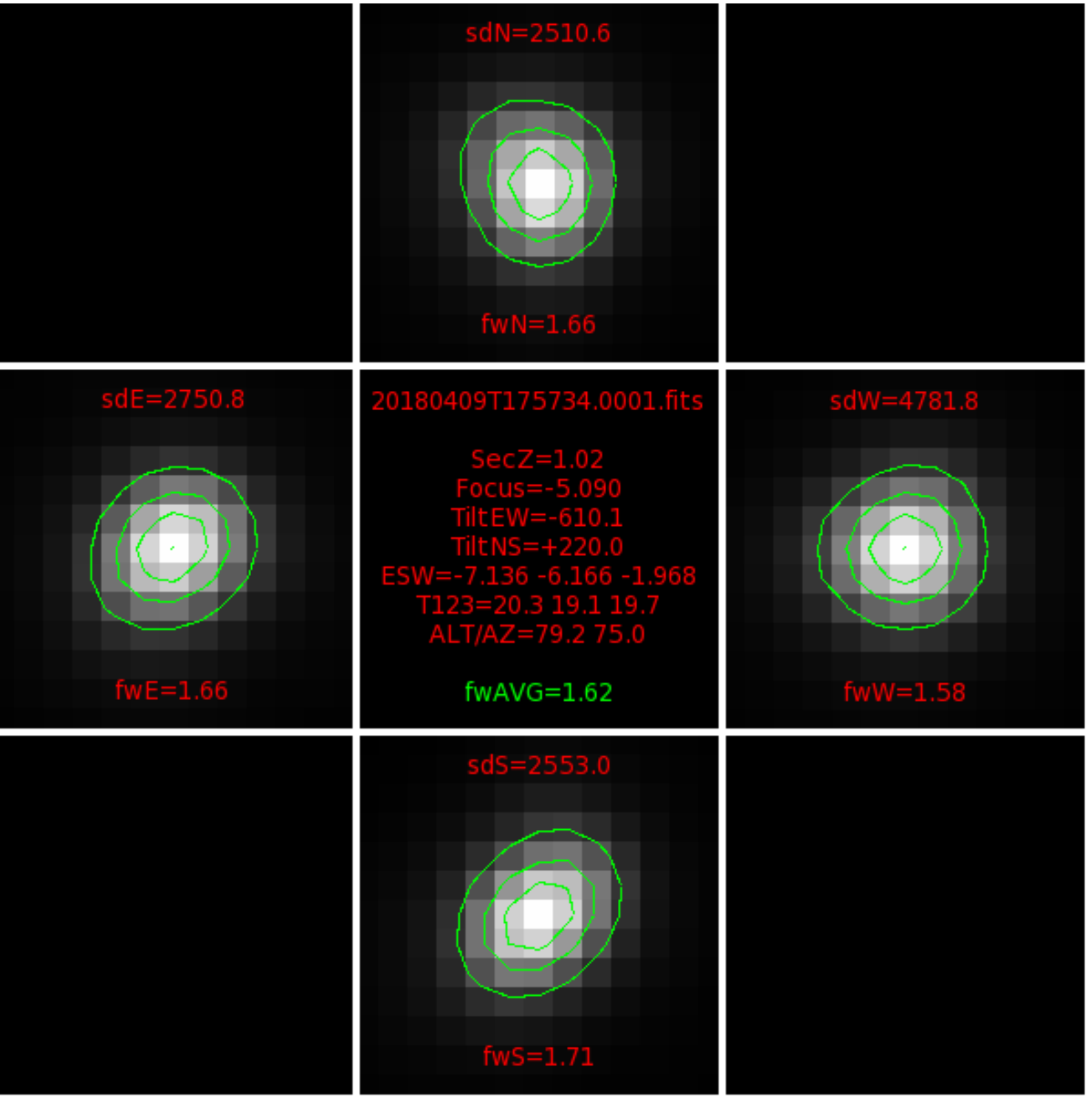
sdN=2510.6
fwN=1.66
sdE=2750.8
fwE=1.66
20180409T175734.0001.fits
SecZ=1.02
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 19.1 19.7
ALT/AZ=79.2 75.0
fwAVG=1.62
sdW=4781.8
fwW=1.58
sdS=2553.0
fwS=1.71
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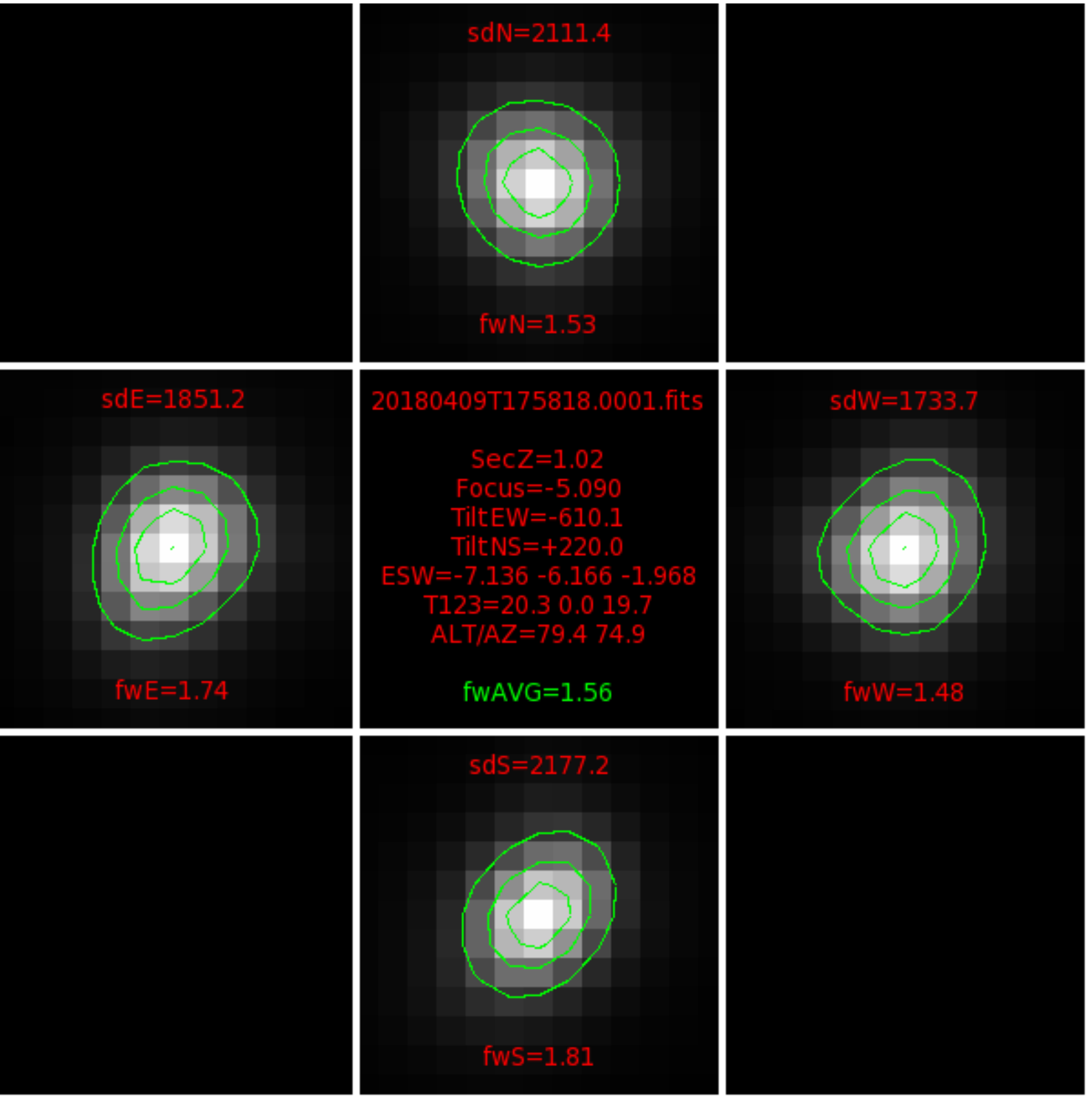
sdN=2111.4
fwN=1.53
sdE=1851.2
fwE=1.74
20180409T175818.0001.fits
SecZ=1.02
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 0.0 19.7
ALT/AZ=79.4 74.9
fwAVG=1.56
sdW=1733.7
fwW=1.48
sdS=2177.2
fwS=1.81
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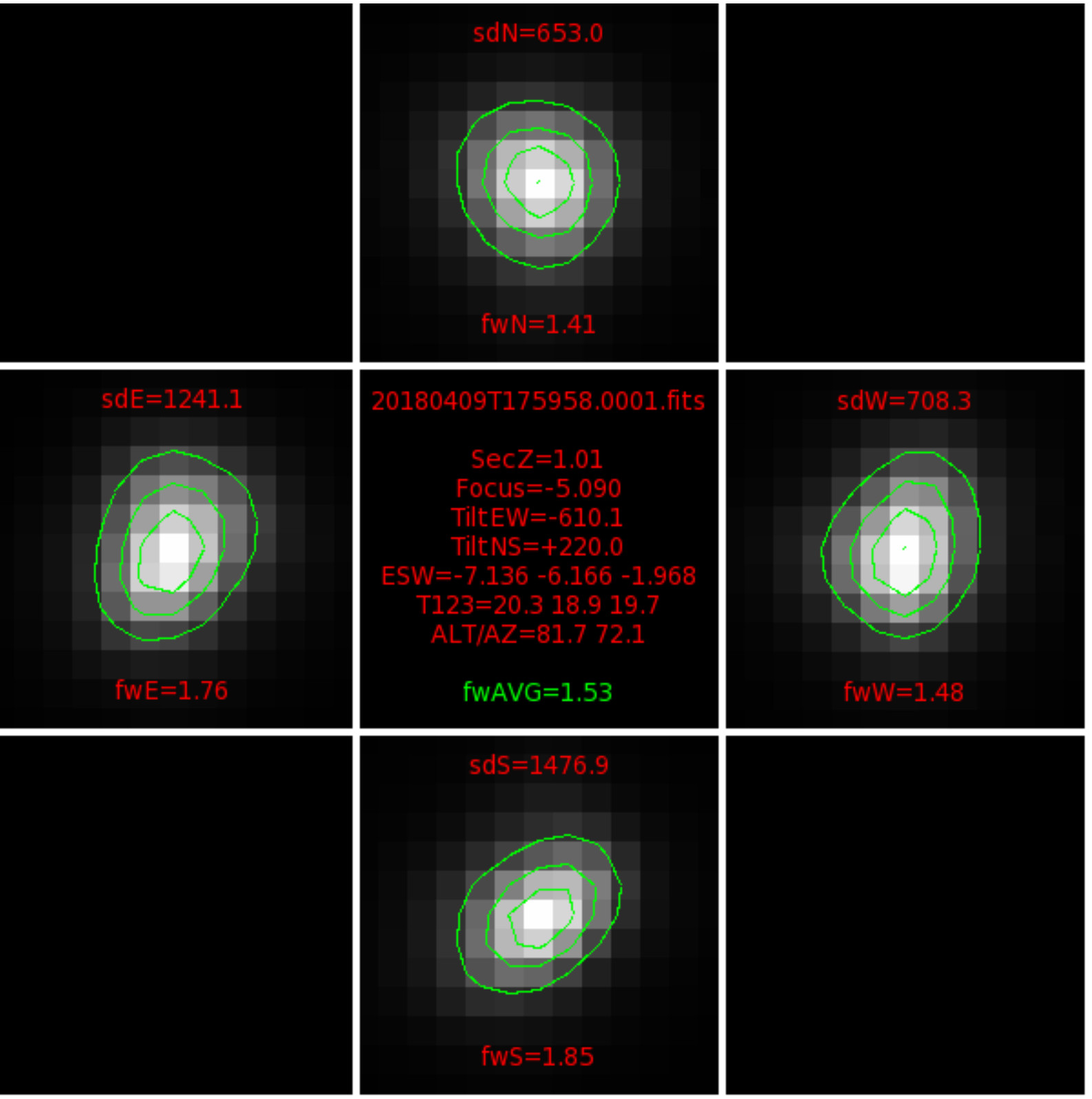
sdN=653.0
fwN=1.41
sdE=1241.1
fwE=1.76
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SecZ=1.01
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 18.9 19.7
ALT/AZ=81.7 72.1
fwAVG=1.53
sdW=708.3
fwW=1.48
sdS=1476.9
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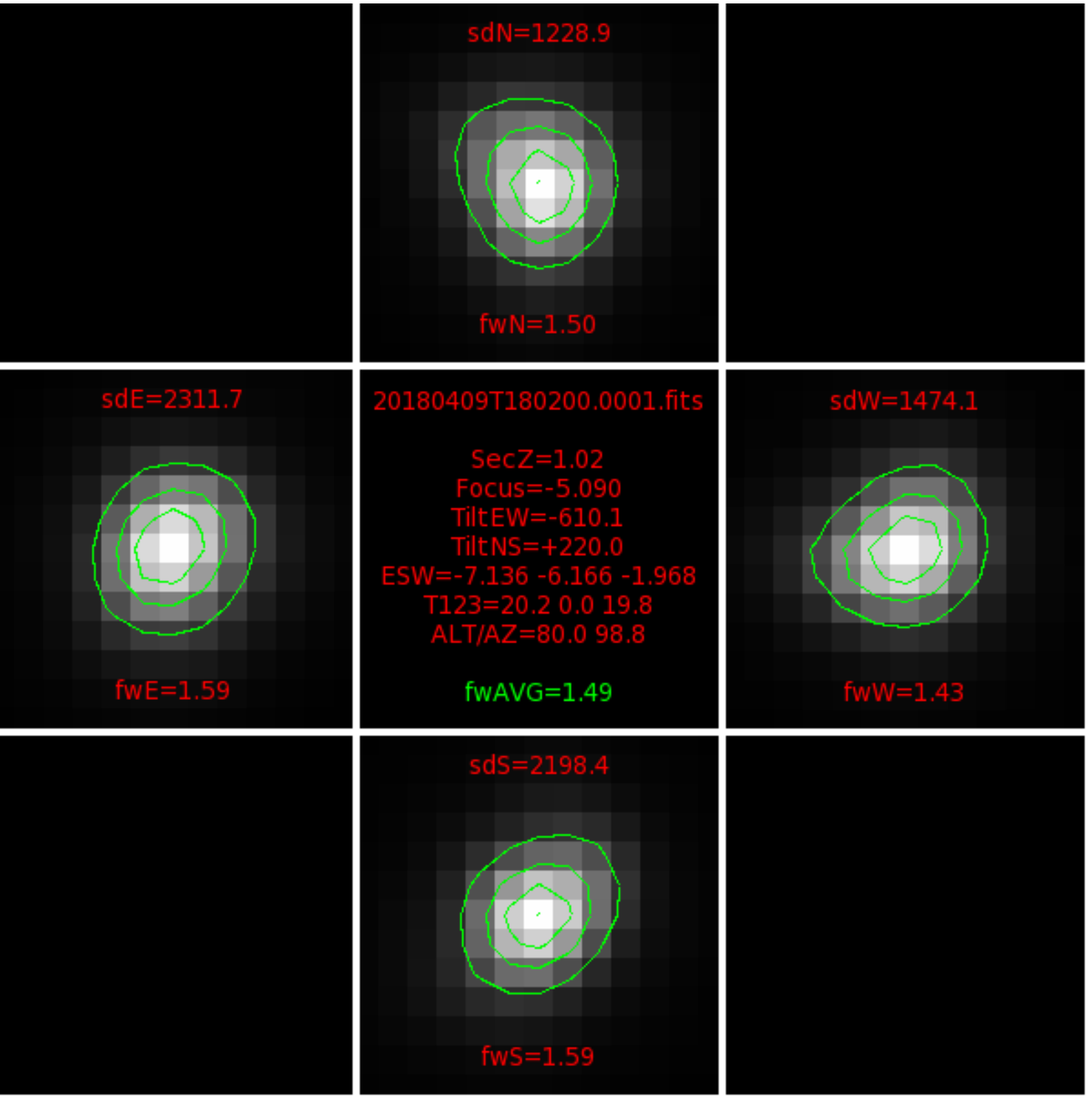
sdN=1228.9
fwN=1.50
sdE=2311.7
fwE=1.59
20180409T180200.0001.fits
SecZ=1.02
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.2 0.0 19.8
ALT/AZ=80.0 98.8
fwAVG=1.49
sdW=1474.1
fwW=1.43
sdS=2198.4
fwS=1.59
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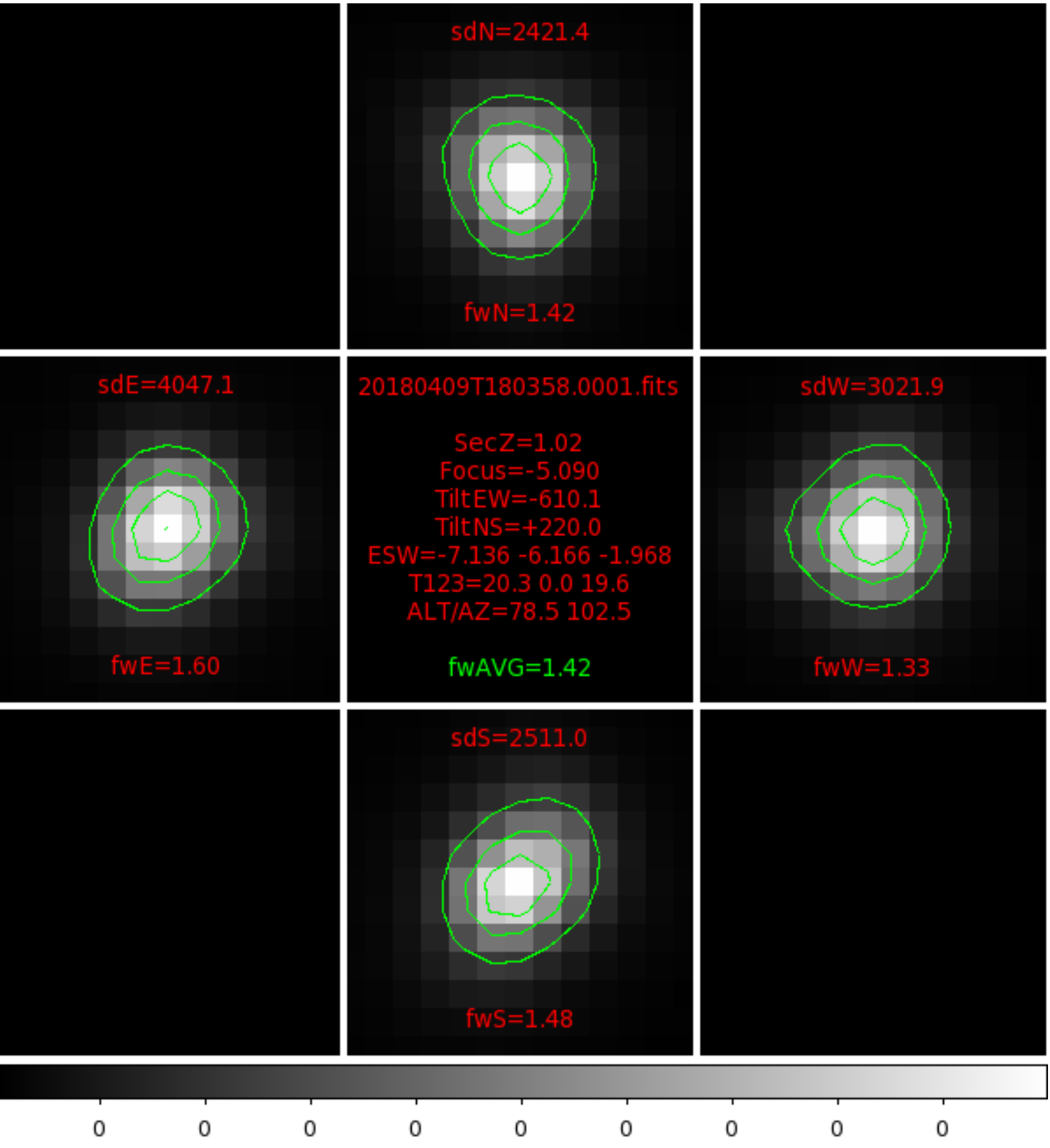
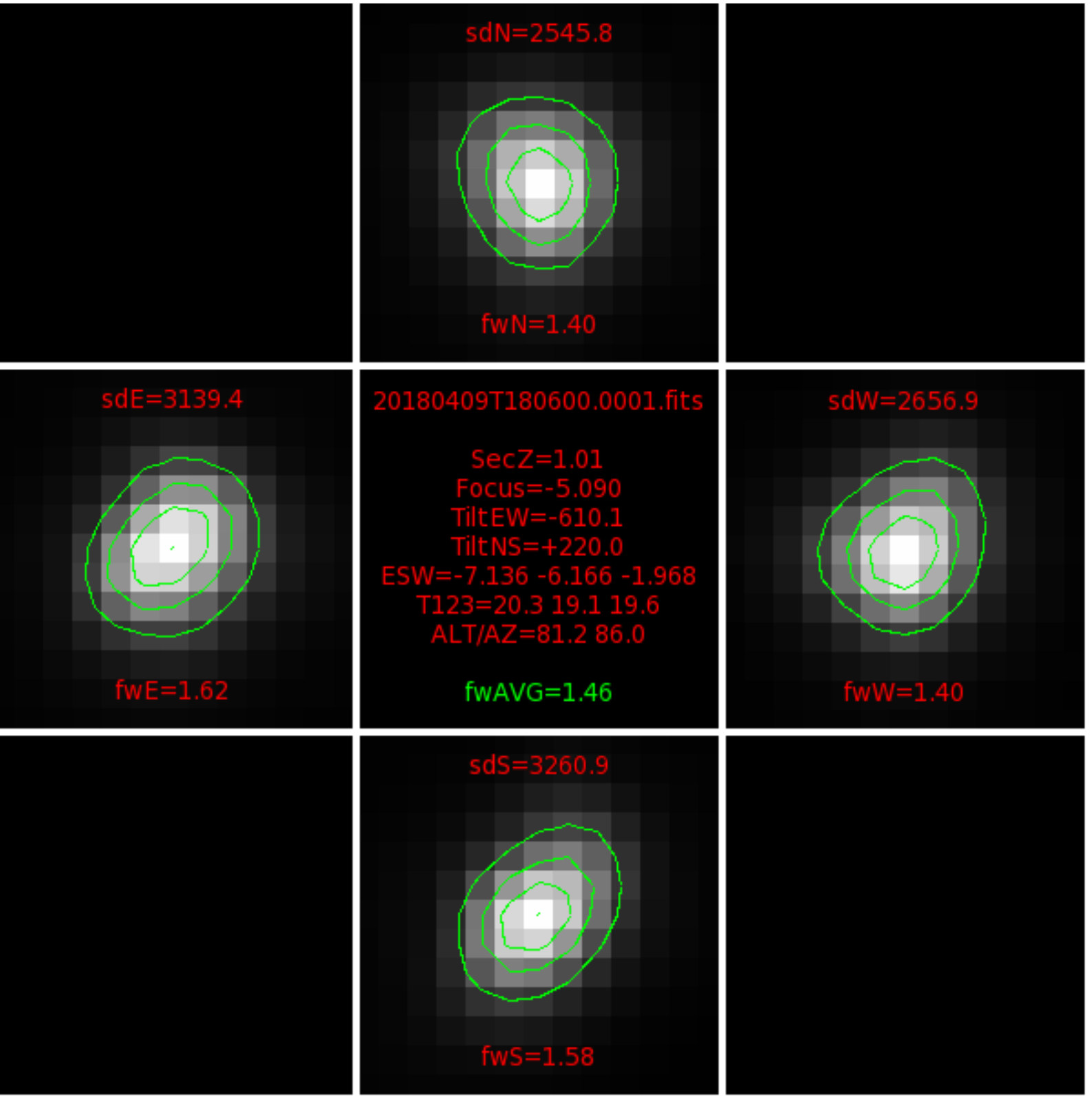

sdN=2421.4
fwN=1.42
sdE=4047.1
fwE=1.60
20180409T180358.0001.fits
SecZ=1.02
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 0.0 19.6
ALT/AZ=78.5 102.5
fwAVG=1.42
sdW=3021.9
fwW=1.33
sdS=2511.0
fwS=1.48
0 0 0 0 0 0 0 0 0


sdN=2545.8
fwN=1.40
sdE=3139.4
fwE=1.62
20180409T180600.0001.fits
SecZ=1.01
Focus=-5.090
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.136 -6.166 -1.968
T123=20.3 19.1 19.6
ALT/AZ=81.2 86.0
fwAVG=1.46
sdW=2656.9
fwW=1.40
sdS=3260.9
fwS=1.58
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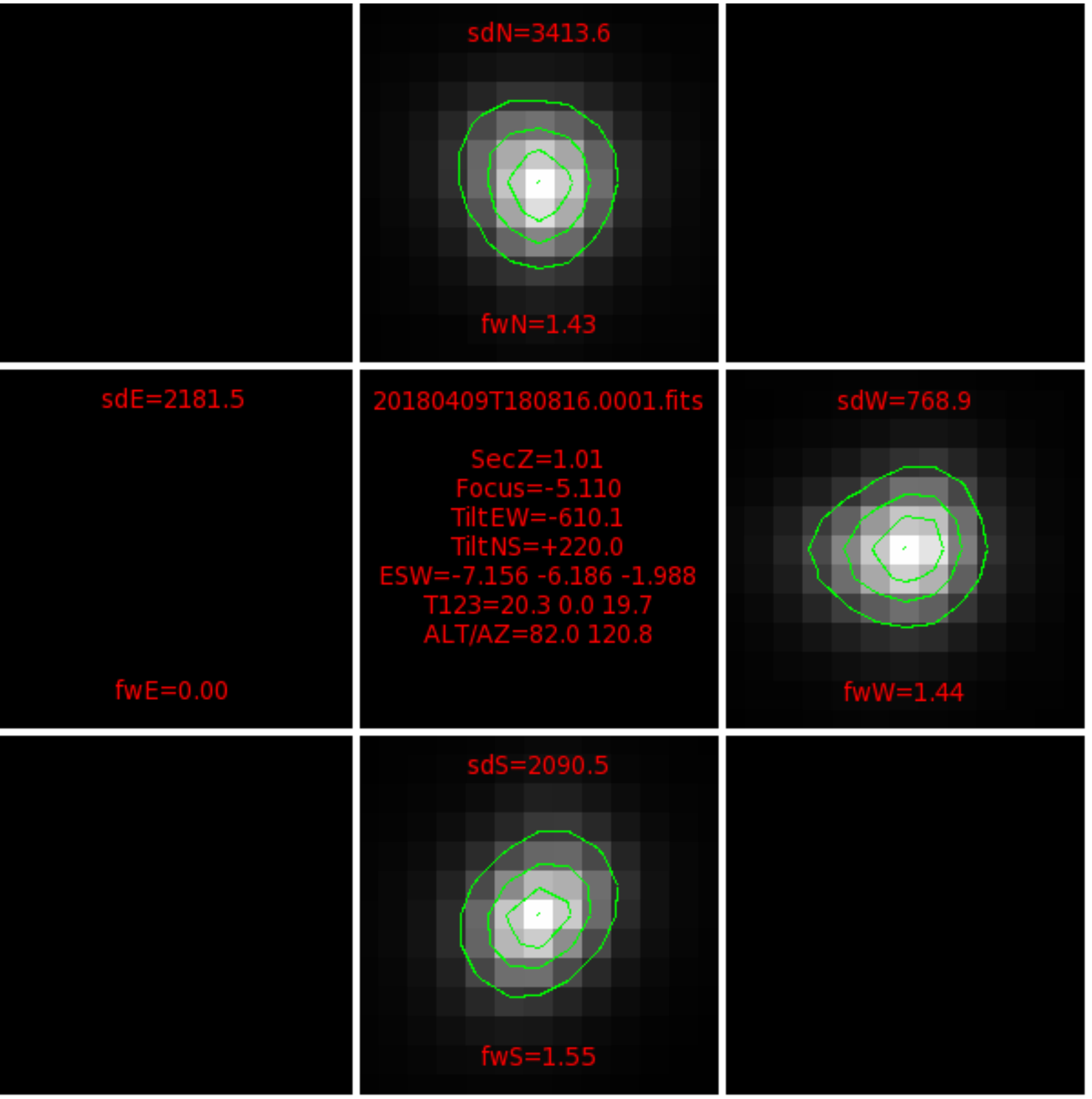
sdN=3413.6
fwN=1.43
sdE=2181.5
fwE=0.00
20180409T180816.0001.fits
SecZ=1.01
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.3 0.0 19.7
ALT/AZ=82.0 120.8
sdW=768.9
fwW=1.44
sdS=2090.5
fwS=1.55
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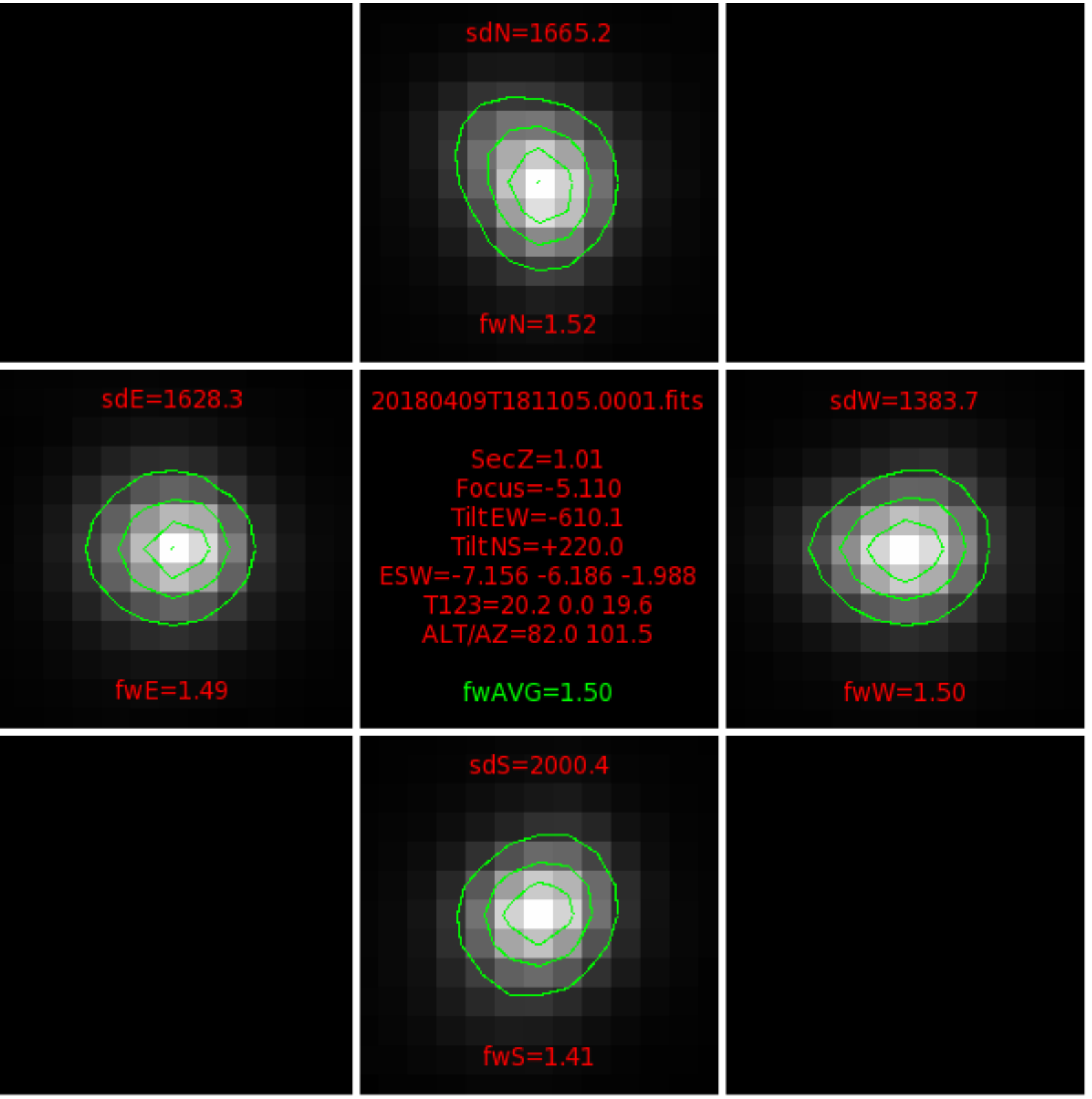
sdN=1665.2
fwN=1.52
sdE=1628.3
fwE=1.49
20180409T181105.0001.fits
SecZ=1.01
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.2 0.0 19.6
ALT/AZ=82.0 101.5
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sdW=1383.7
fwW=1.50
sdS=2000.4
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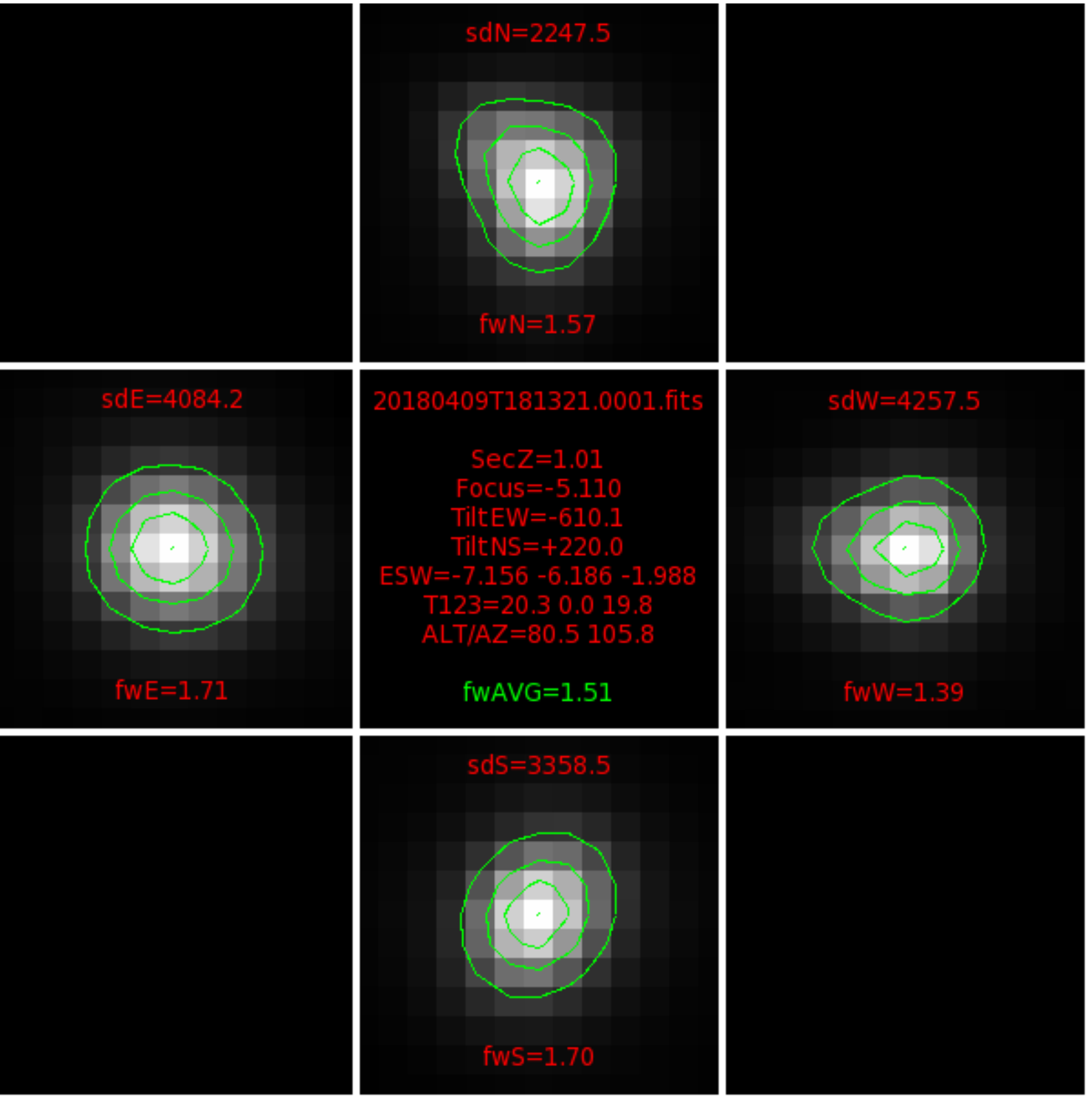
sdN=2247.5
fwN=1.57
sdE=4084.2
fwE=1.71
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SecZ=1.01
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.3 0.0 19.8
ALT/AZ=80.5 105.8
fwAVG=1.51
sdW=4257.5
fwW=1.39
sdS=3358.5
fwS=1.70
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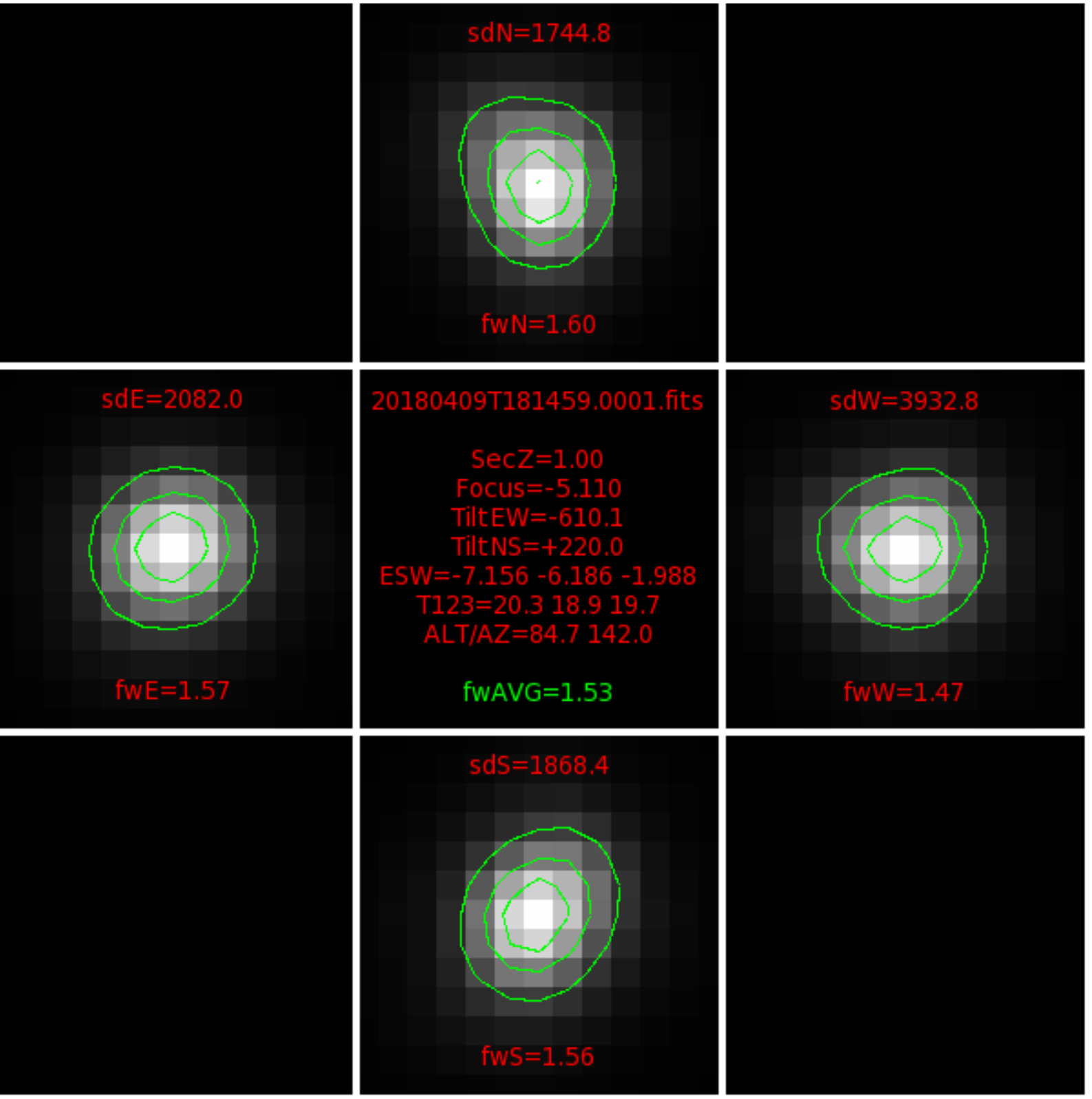
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fwN=1.60
sdE=2082.0
fwE=1.57
20180409T181459.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.3 18.9 19.7
ALT/AZ=84.7 142.0
fwAVG=1.53
sdW=3932.8
fwW=1.47
sdS=1868.4
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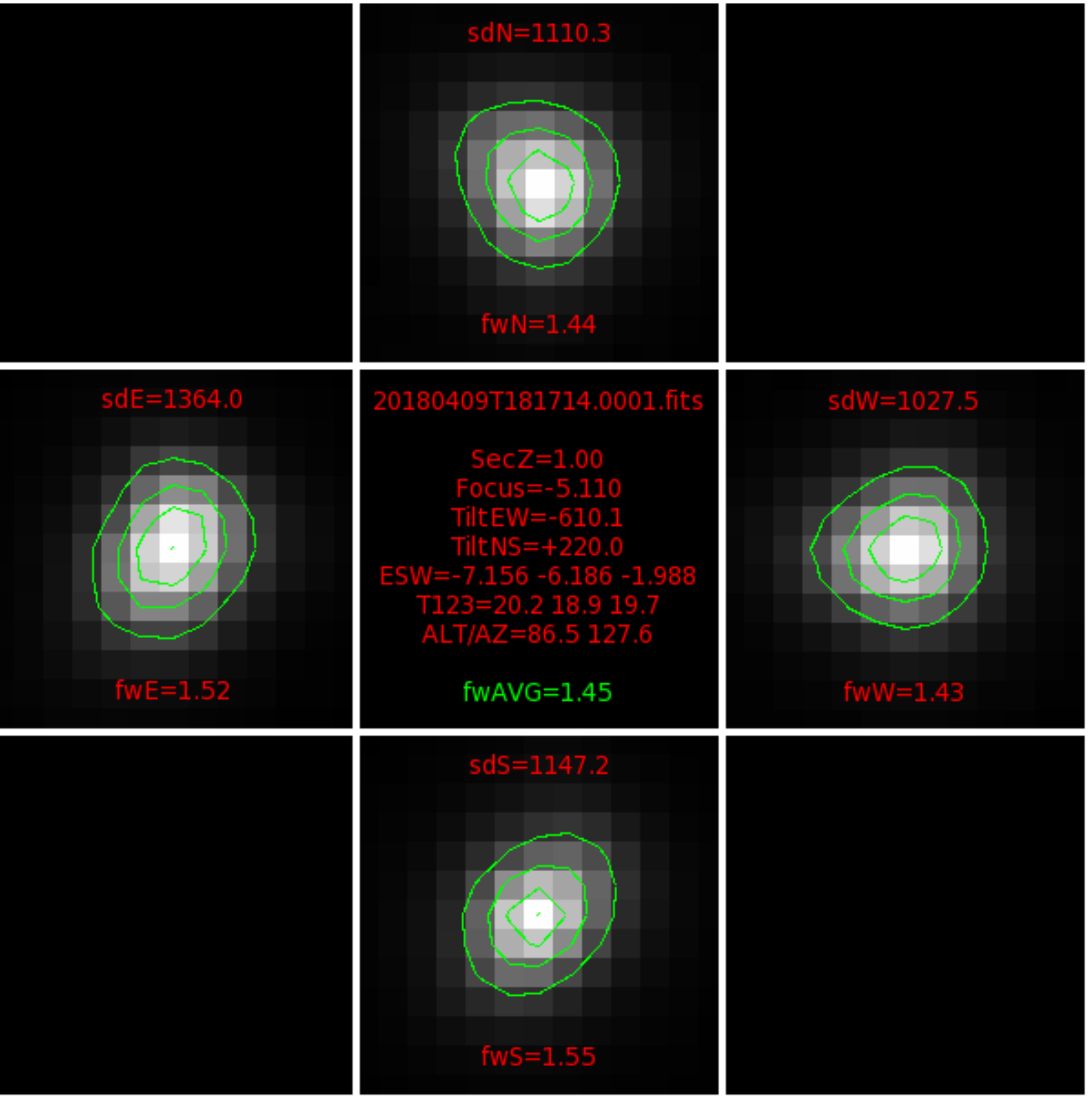
sdN=1110.3
fwN=1.44
sdE=1364.0
fwE=1.52
20180409T181714.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.2 18.9 19.7
ALT/AZ=86.5 127.6
fwAVG=1.45
sdW=1027.5
fwW=1.43
sdS=1147.2
fwS=1.55
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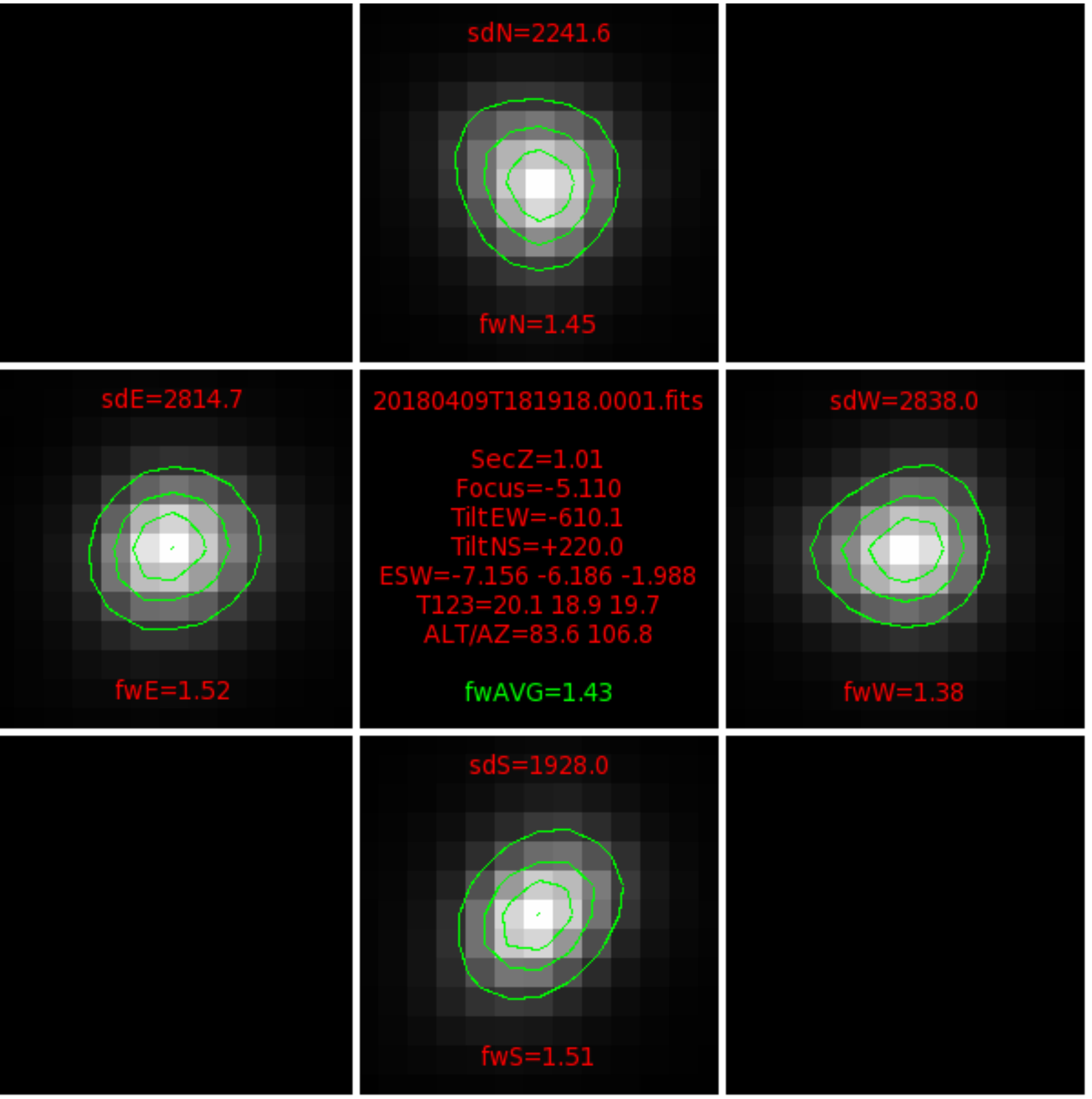
sdN=2241.6
fwN=1.45
sdE=2814.7
fwE=1.52
20180409T181918.0001.fits
SecZ=1.01
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.1 18.9 19.7
ALT/AZ=83.6 106.8
fwAVG=1.43
sdW=2838.0
fwW=1.38
sdS=1928.0
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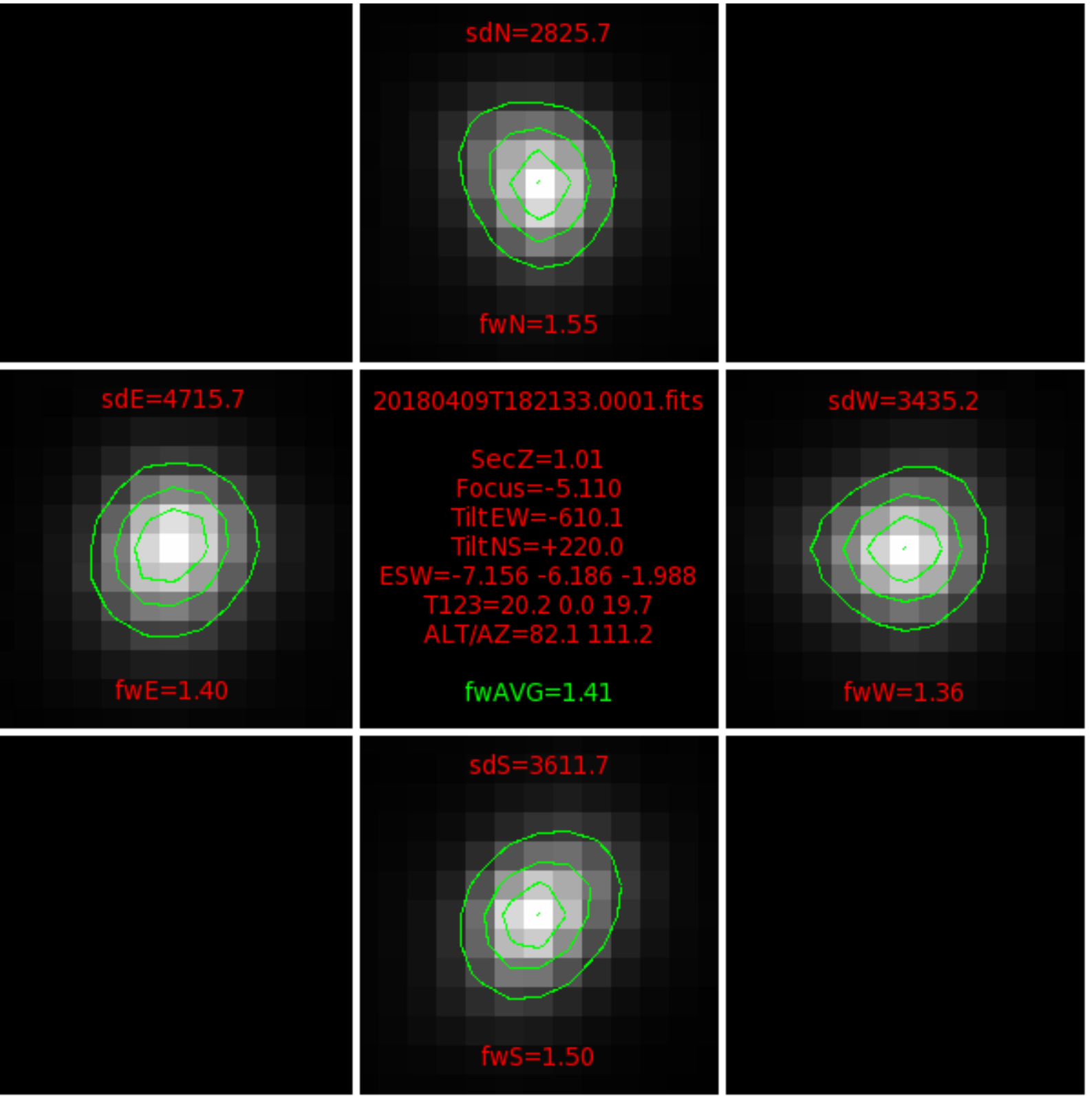
sdN=2825.7
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sdE=4715.7
fwE=1.40
20180409T182133.0001.fits
SecZ=1.01
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.2 0.0 19.7
ALT/AZ=82.1 111.2
fwAVG=1.41
sdW=3435.2
fwW=1.36
sdS=3611.7
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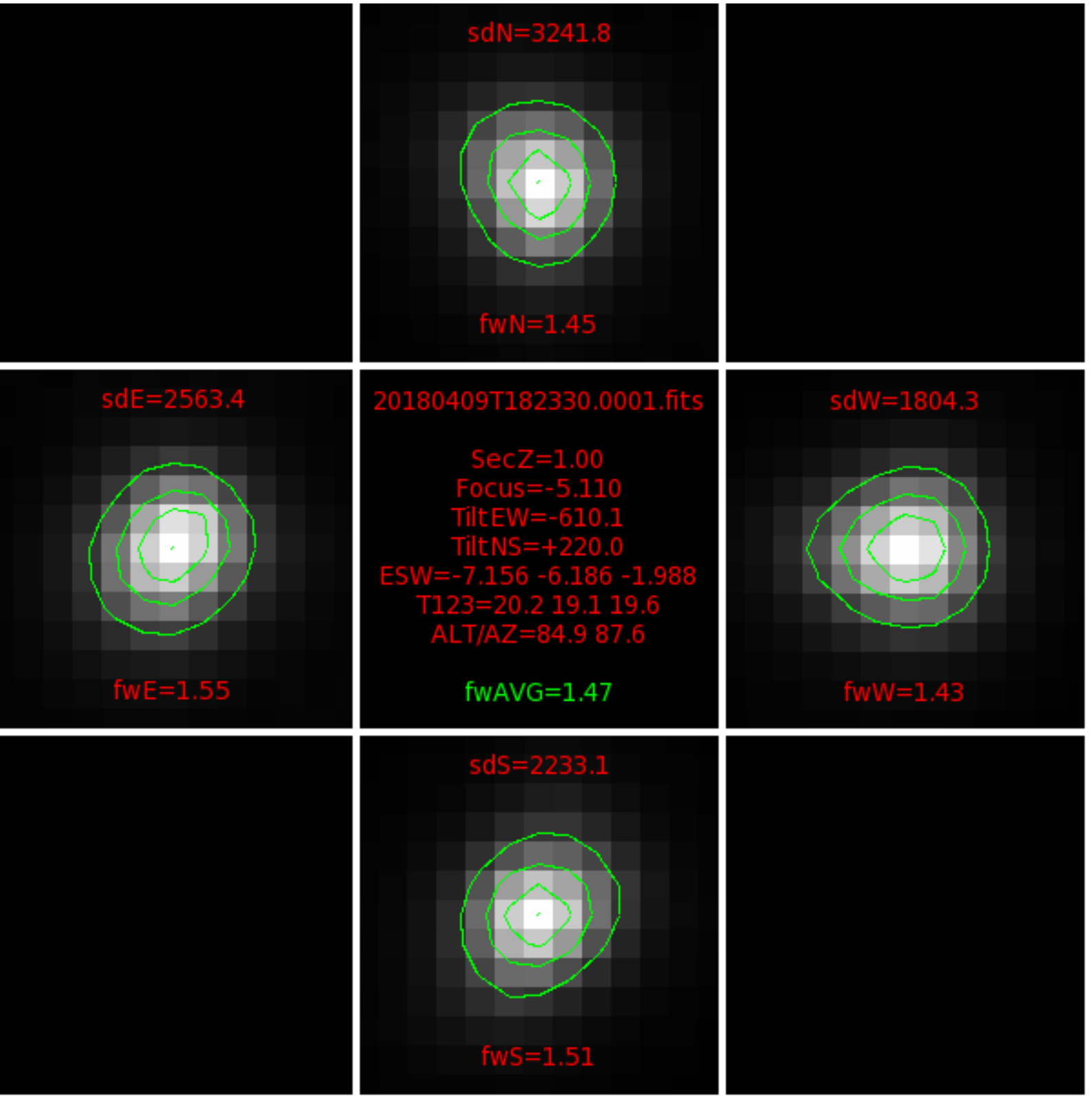
sdN=3241.8
fwN=1.45
sdE=2563.4
fwE=1.55
20180409T182330.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.2 19.1 19.6
ALT/AZ=84.9 87.6
fwAVG=1.47
sdW=1804.3
fwW=1.43
sdS=2233.1
fwS=1.51
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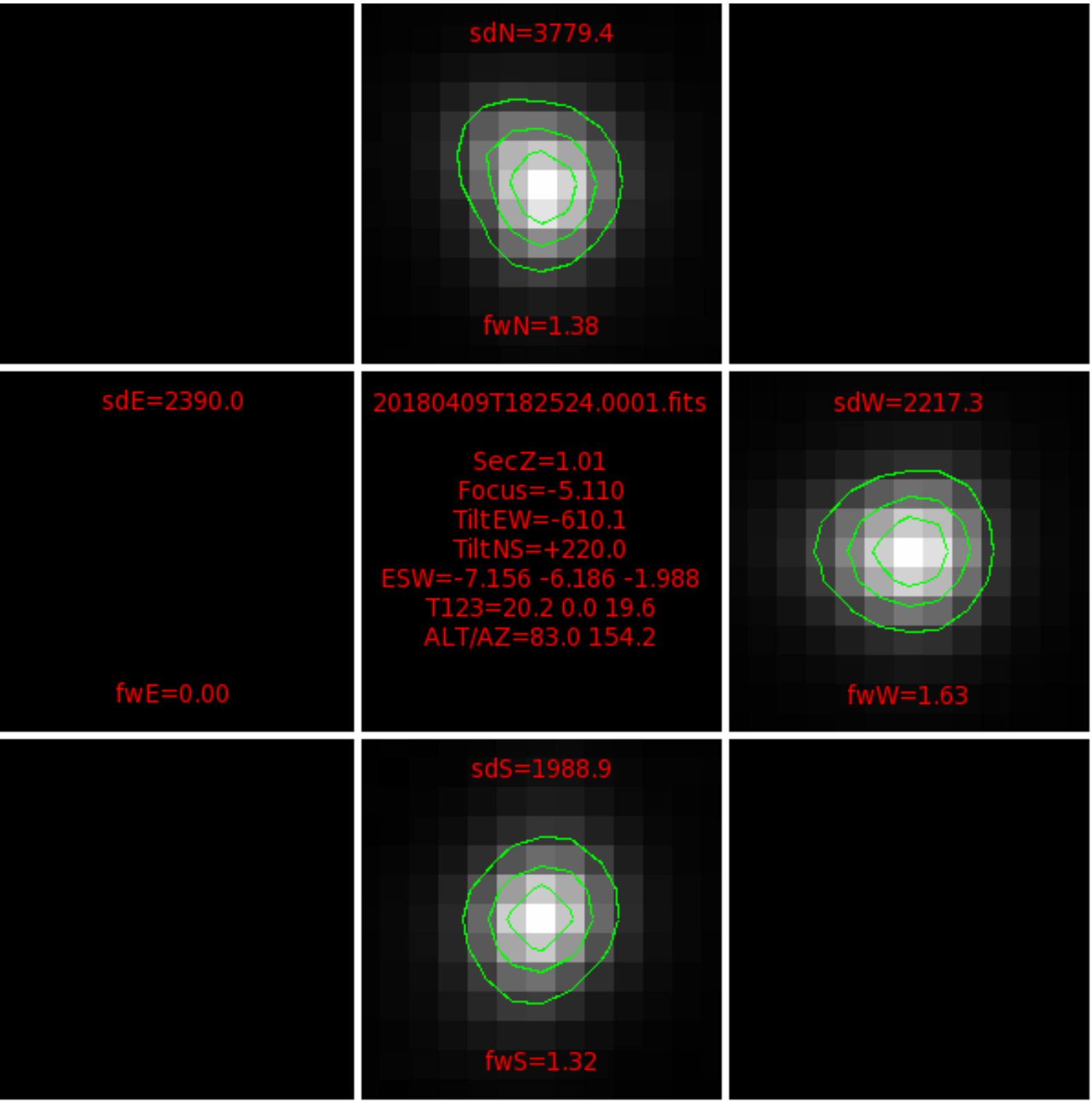
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fwN=1.38
sdE=2390.0
fwE=0.00
20180409T182524.0001.fits
SecZ=1.01
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.2 0.0 19.6
ALT/AZ=83.0 154.2
sdW=2217.3
fwW=1.63
sdS=1988.9
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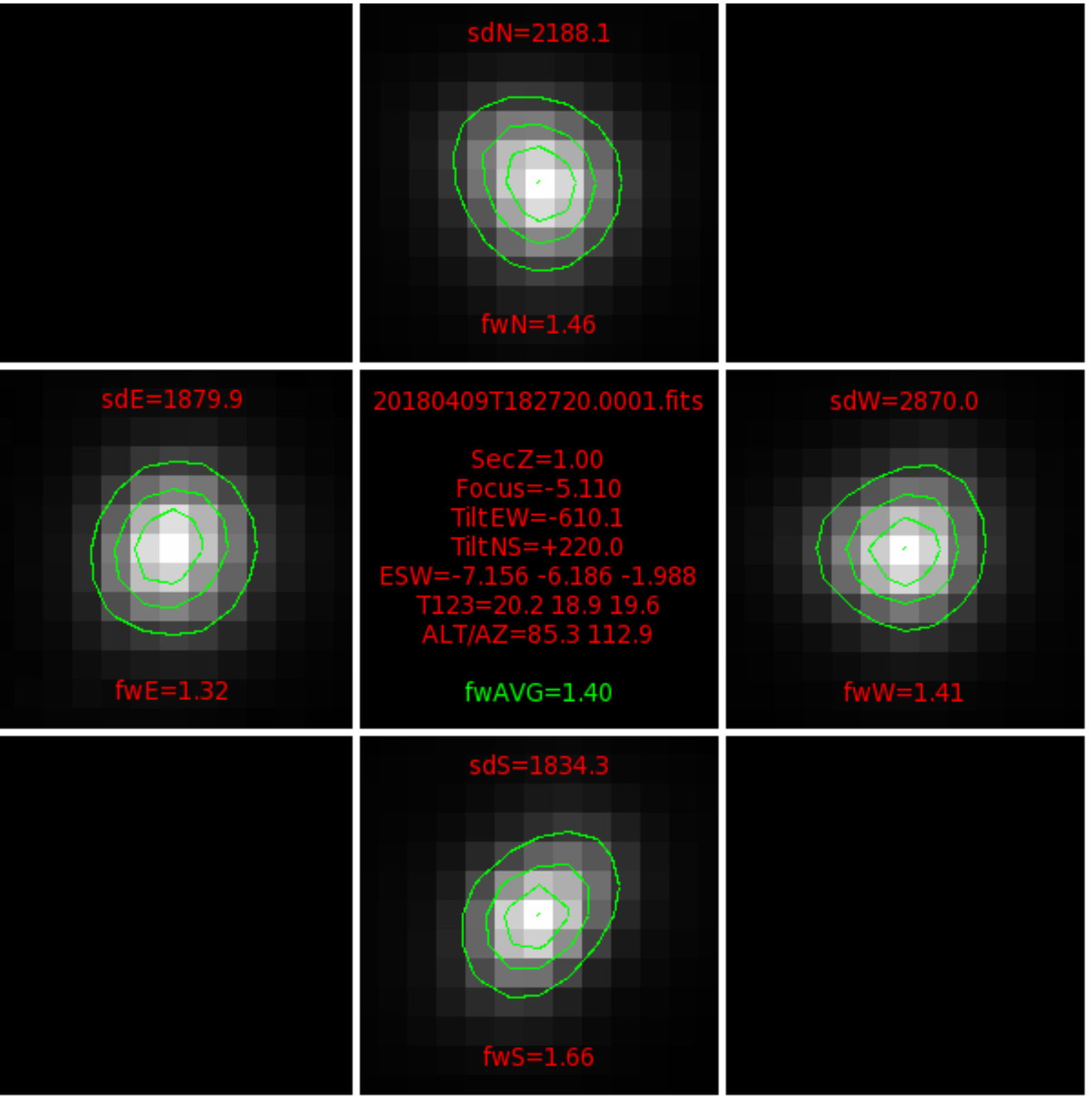
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fwN=1.46
sdE=1879.9
fwE=1.32
20180409T182720.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.2 18.9 19.6
ALT/AZ=85.3 112.9
fwAVG=1.40
sdW=2870.0
fwW=1.41
sdS=1834.3
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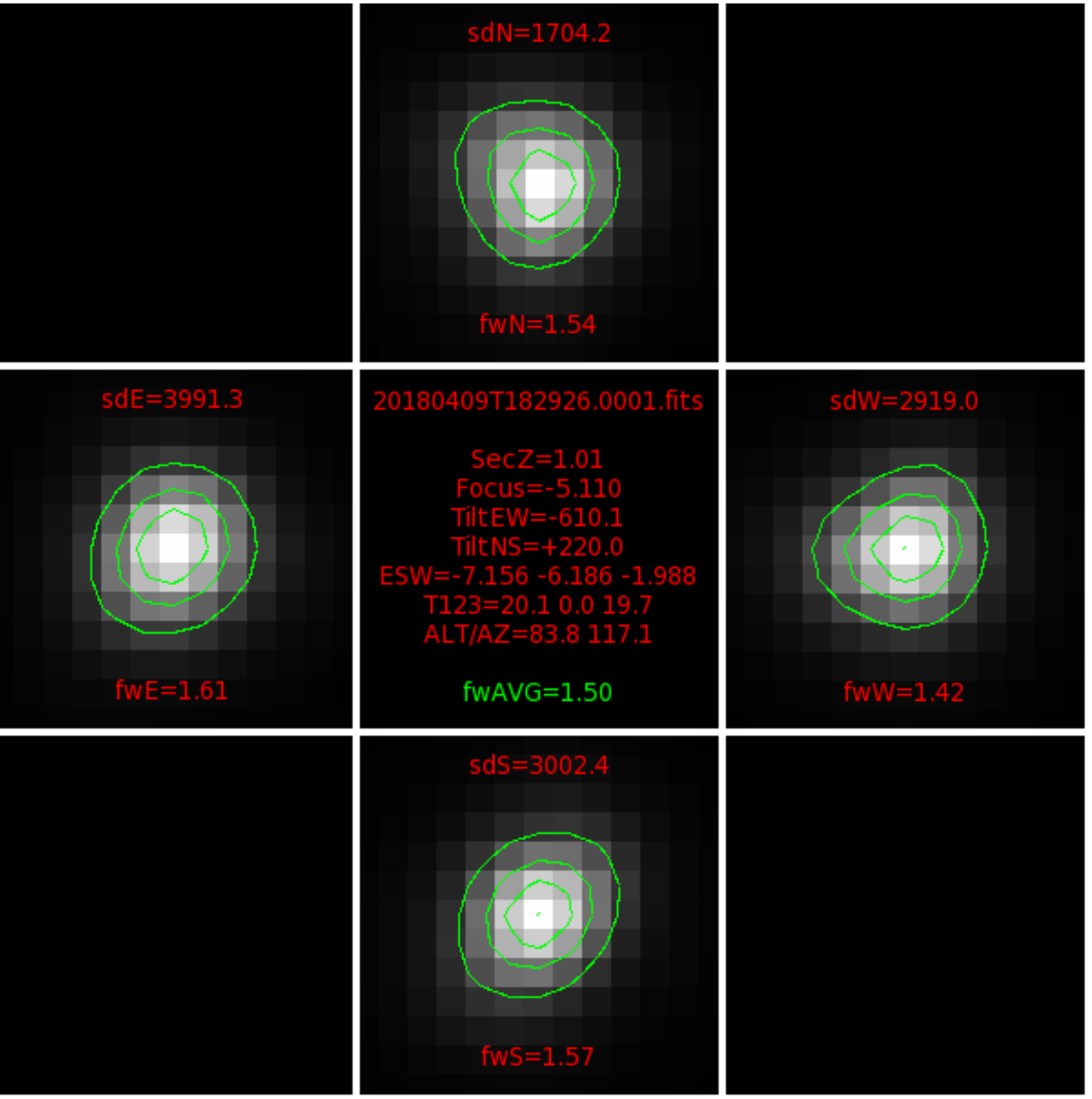
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fwN=1.54
sdE=3991.3
fwE=1.61
20180409T182926.0001.fits
SecZ=1.01
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.1 0.0 19.7
ALT/AZ=83.8 117.1
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sdW=2919.0
fwW=1.42
sdS=3002.4
fwS=1.57
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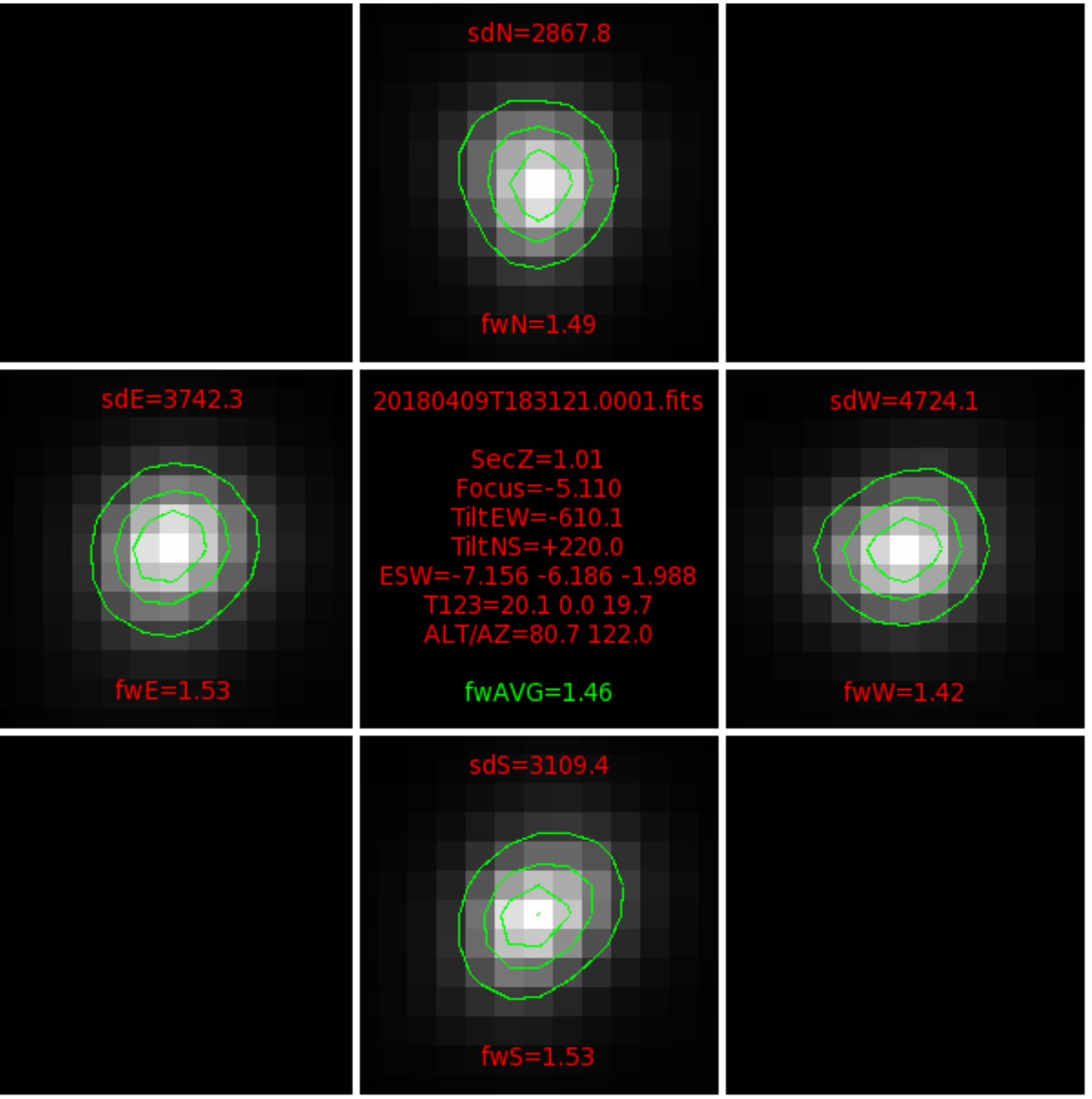
sdN=2867.8
fwN=1.49
sdE=3742.3
fwE=1.53
20180409T183121.0001.fits
SecZ=1.01
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.1 0.0 19.7
ALT/AZ=80.7 122.0
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sdW=4724.1
fwW=1.42
sdS=3109.4
fwS=1.53
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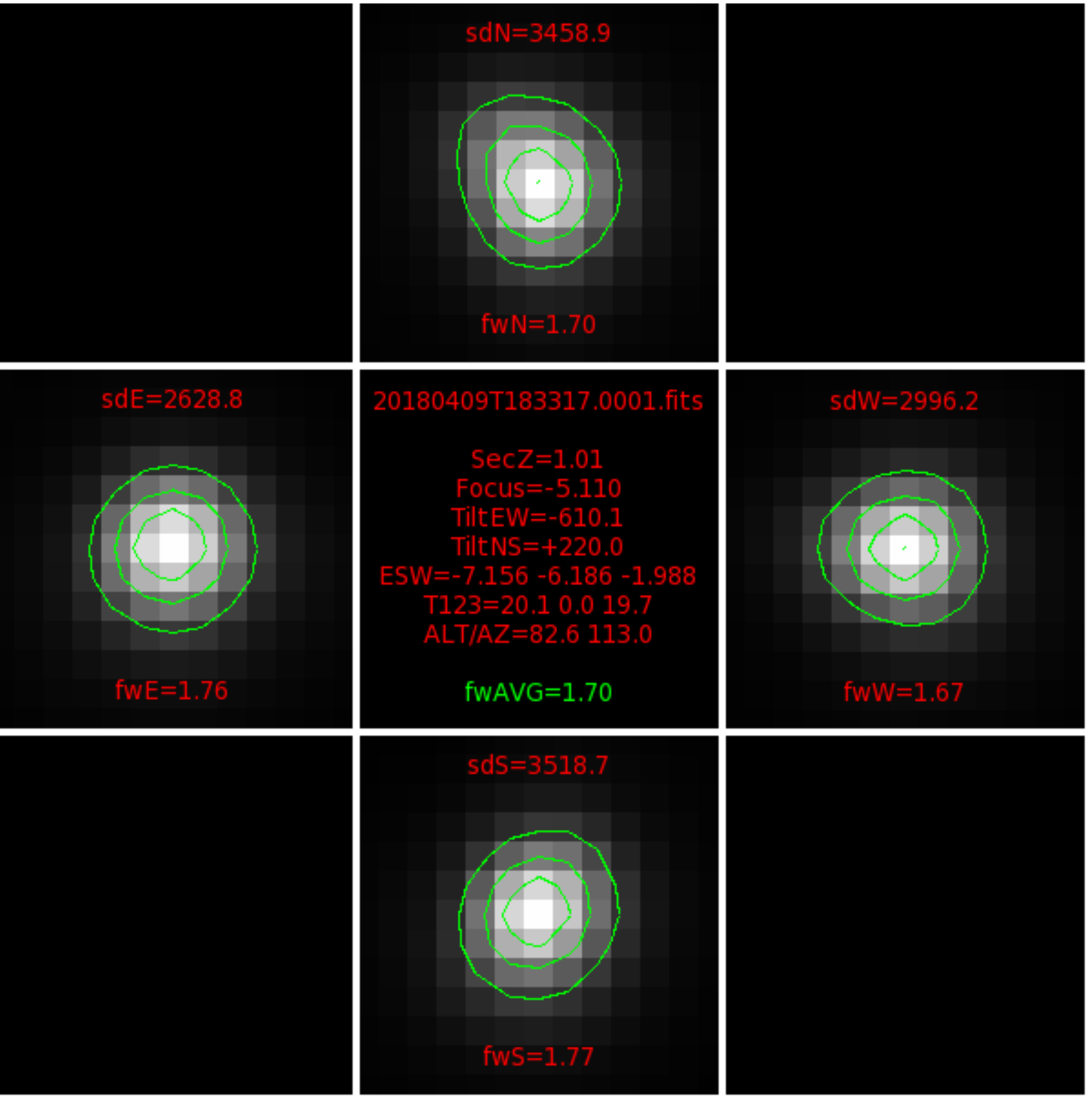
sdN=3458.9
fwN=1.70
sdE=2628.8
fwE=1.76
20180409T183317.0001.fits
SecZ=1.01
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.1 0.0 19.7
ALT/AZ=82.6 113.0
fwAVG=1.70
sdW=2996.2
fwW=1.67
sdS=3518.7
fwS=1.77
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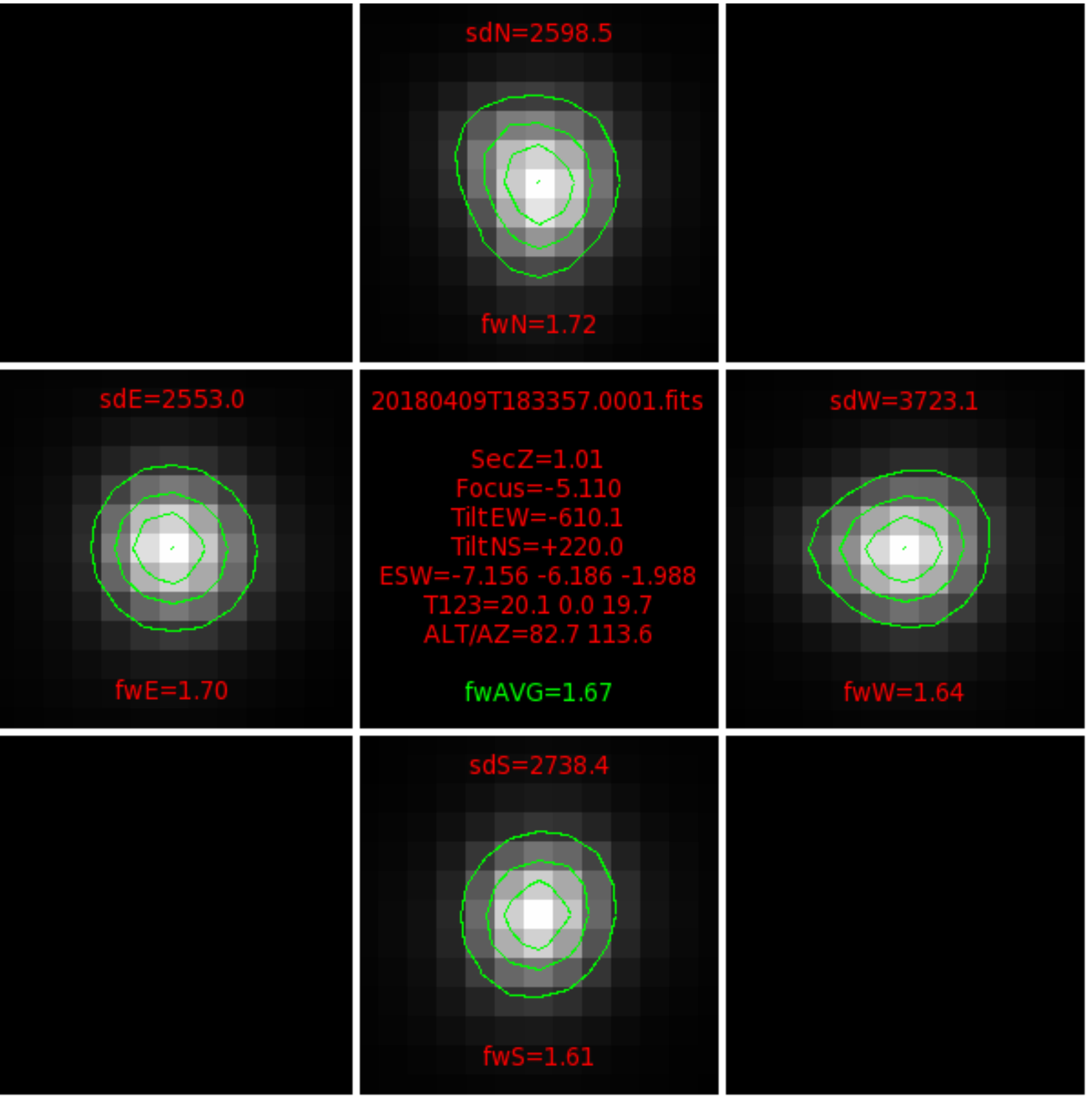
sdN=2598.5
fwN=1.72
sdE=2553.0
fwE=1.70
20180409T183357.0001.fits
SecZ=1.01
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.1 0.0 19.7
ALT/AZ=82.7 113.6
fwAVG=1.67
sdW=3723.1
fwW=1.64
sdS=2738.4
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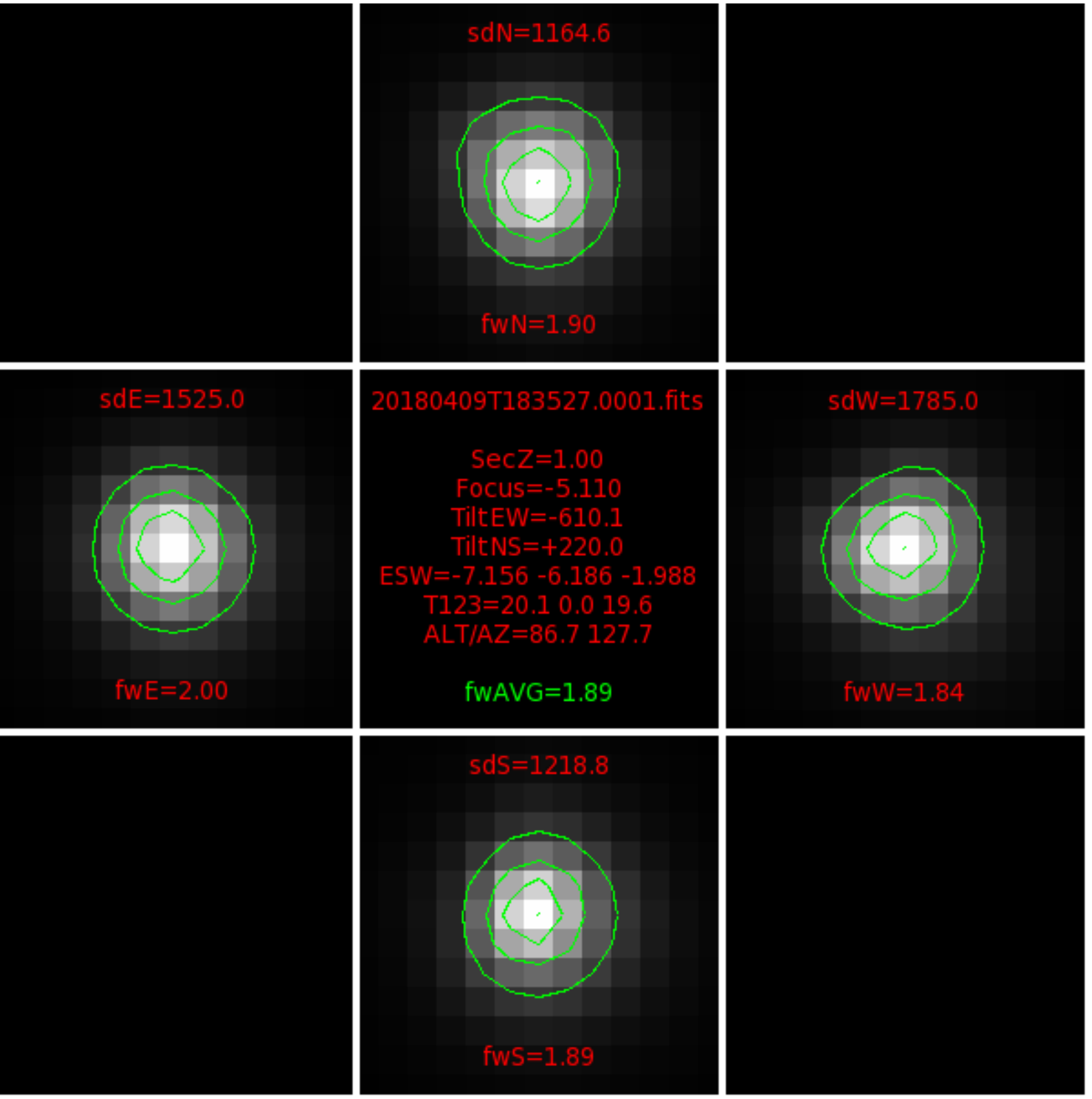
sdN=1164.6
fwN=1.90
sdE=1525.0
fwE=2.00
20180409T183527.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.1 0.0 19.6
ALT/AZ=86.7 127.7
fwAVG=1.89
sdW=1785.0
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sdS=1218.8
fwS=1.89
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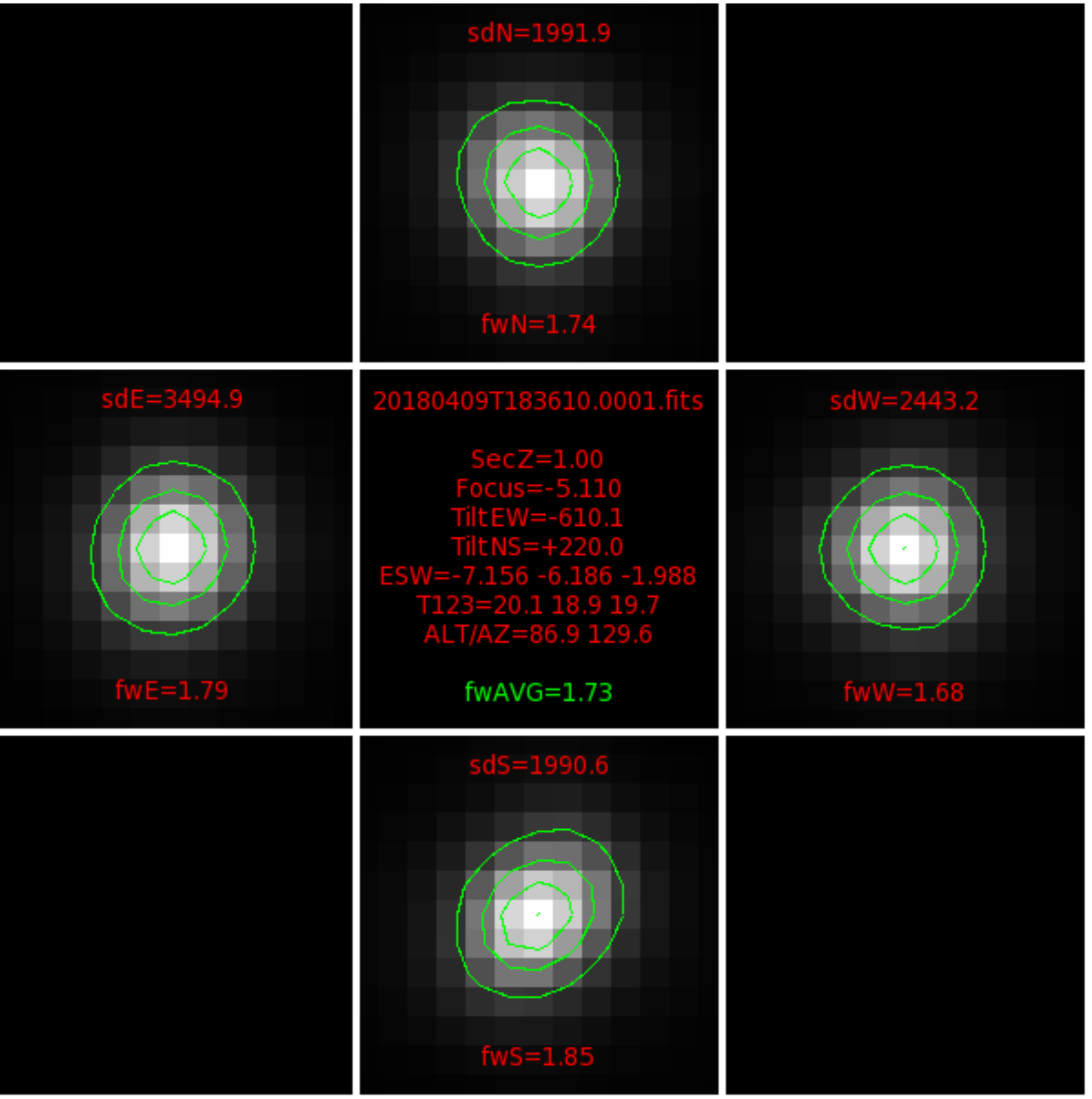
sdN=1991.9
fwN=1.74
sdE=3494.9
fwE=1.79
20180409T183610.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.1 18.9 19.7
ALT/AZ=86.9 129.6
fwAVG=1.73
sdW=2443.2
fwW=1.68
sdS=1990.6
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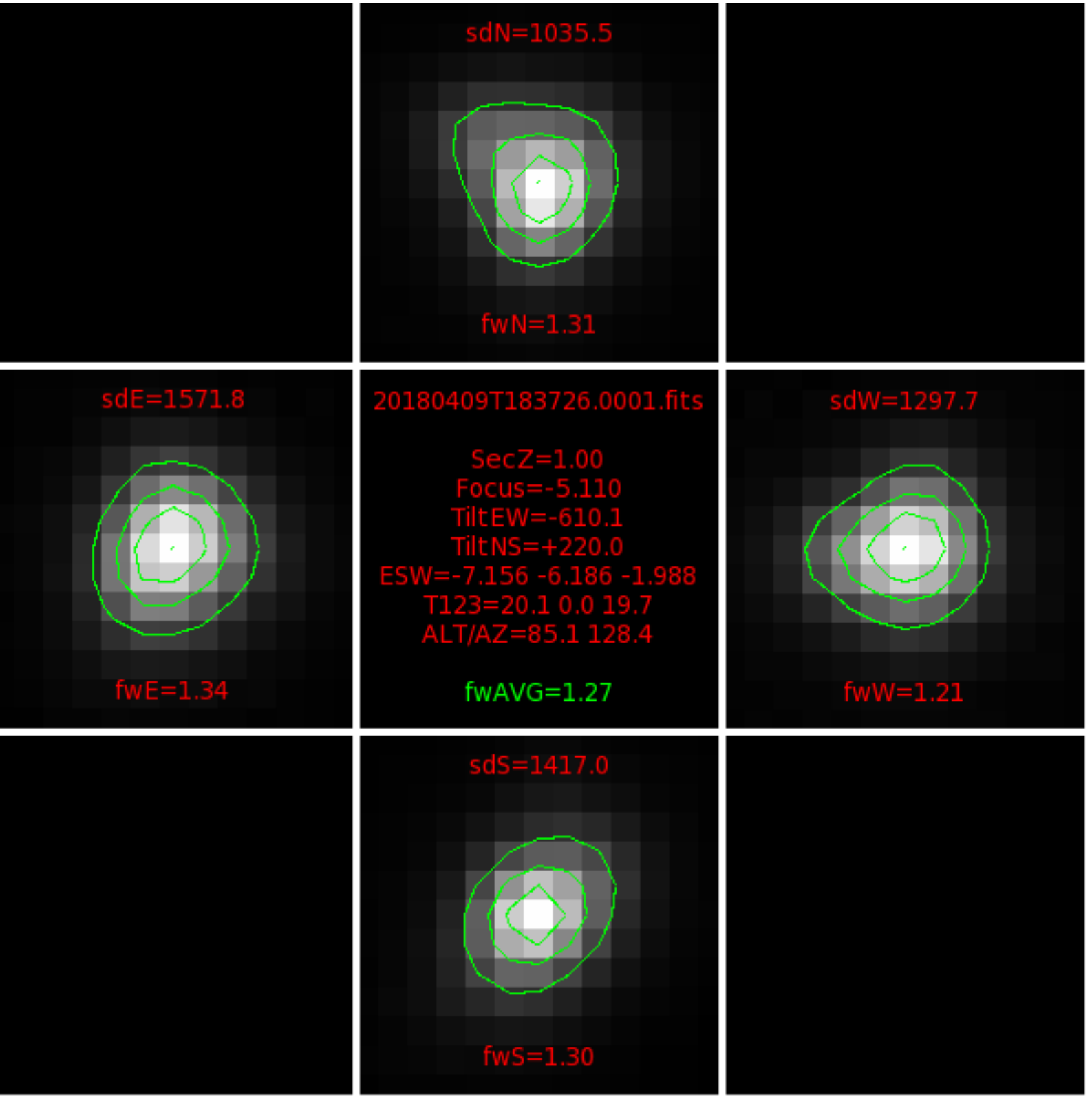
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fwN=1.31
sdE=1571.8
fwE=1.34
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SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.1 0.0 19.7
ALT/AZ=85.1 128.4
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sdW=1297.7
fwW=1.21
sdS=1417.0
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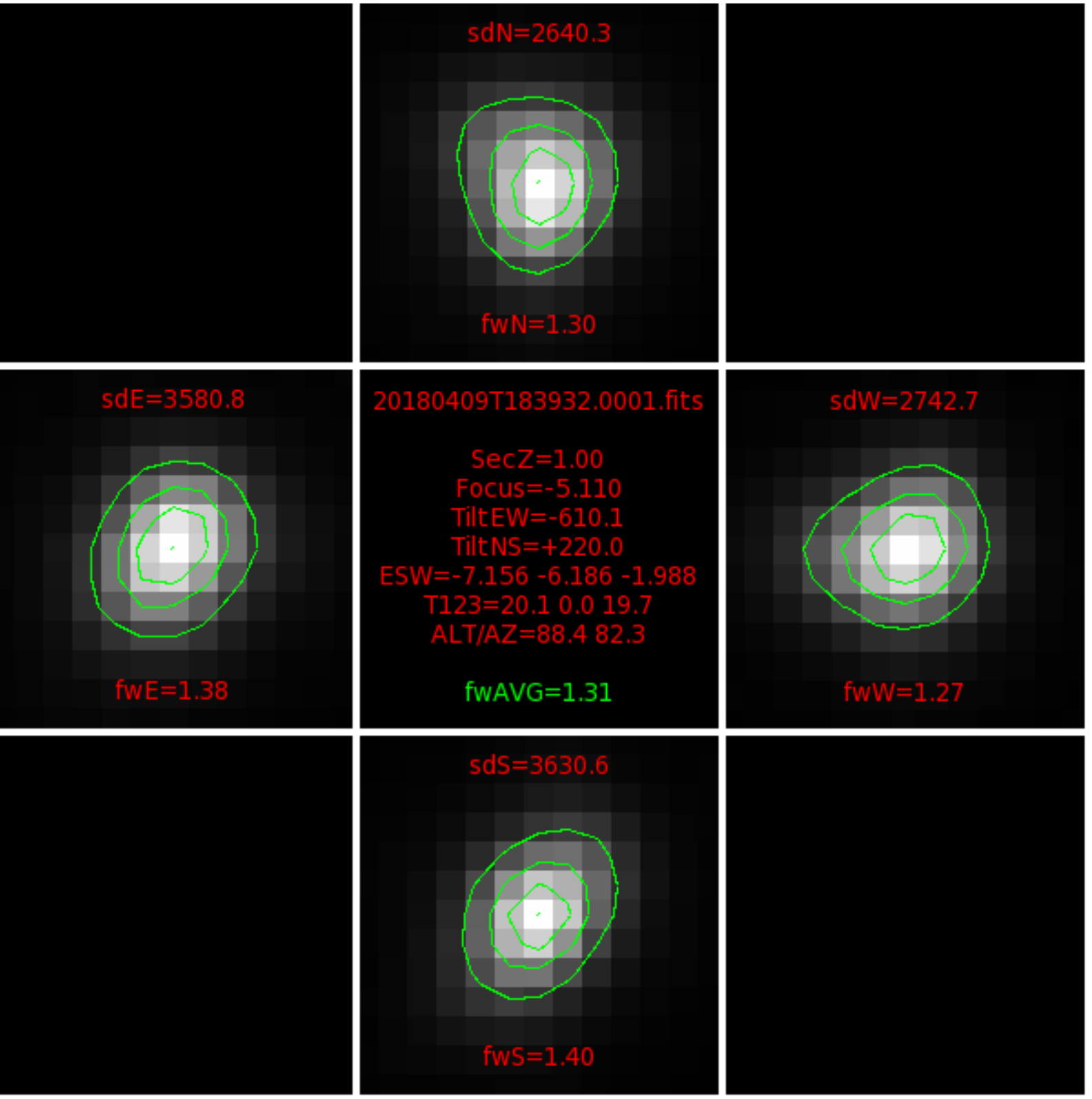
sdN=2640.3
fwN=1.30
sdE=3580.8
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SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.1 0.0 19.7
ALT/AZ=88.4 82.3
fwAVG=1.31
sdW=2742.7
fwW=1.27
sdS=3630.6
fwS=1.40
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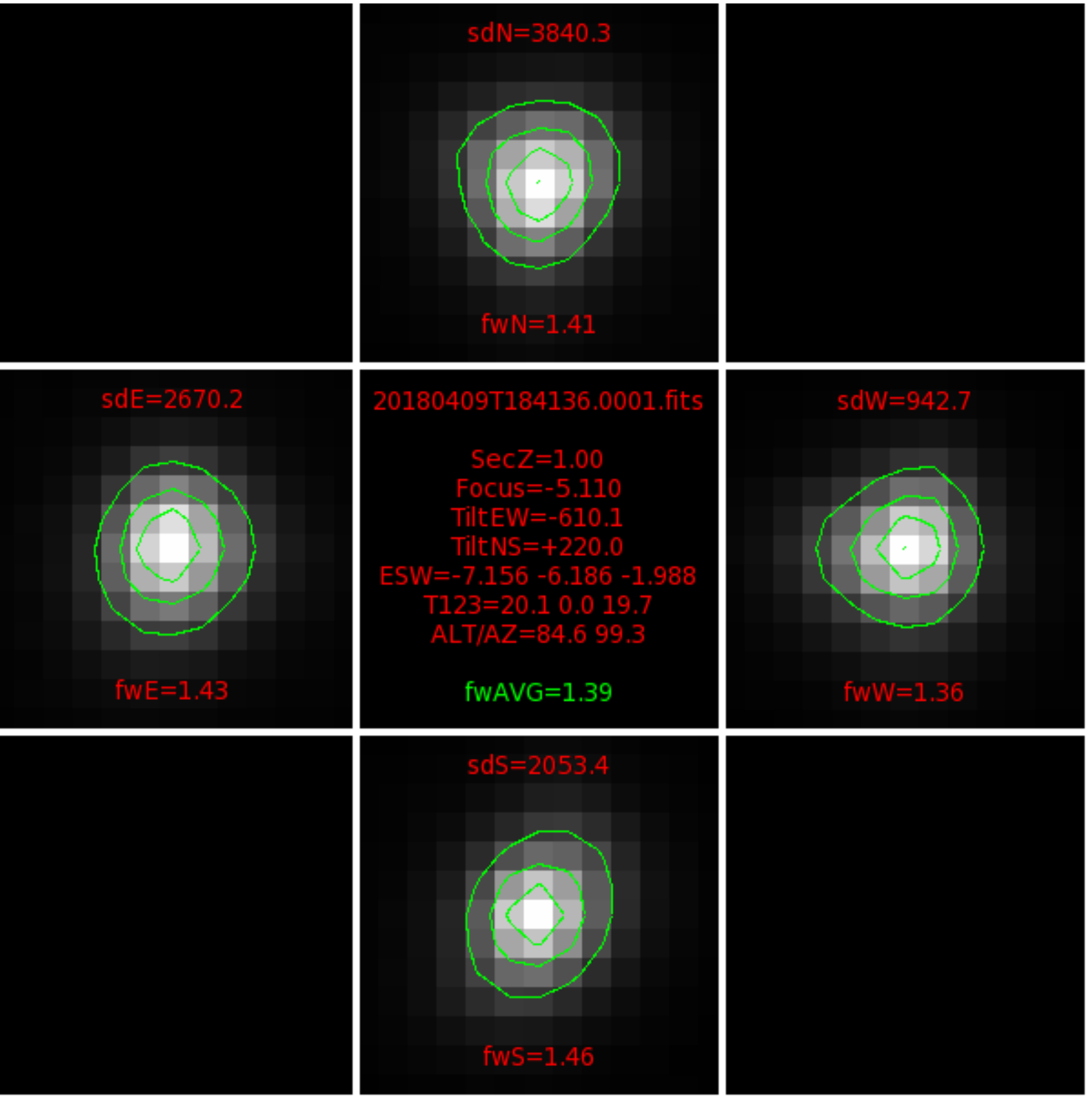
sdN=3840.3
fwN=1.41
sdE=2670.2
fwE=1.43
20180409T184136.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.1 0.0 19.7
ALT/AZ=84.6 99.3
fwAVG=1.39
sdW=942.7
fwW=1.36
sdS=2053.4
fwS=1.46
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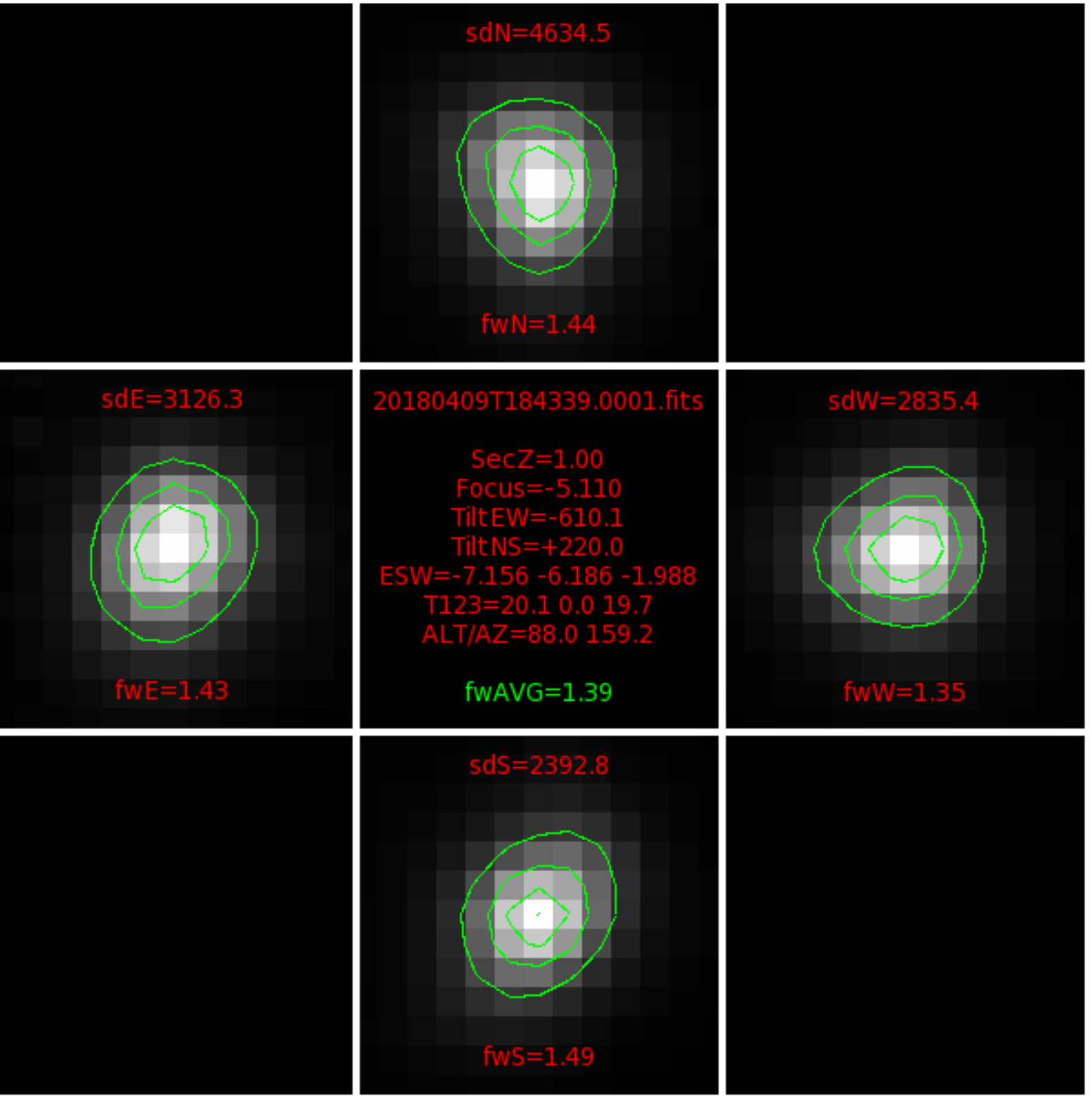
sdN=4634.5
fwN=1.44
sdE=3126.3
fwE=1.43
20180409T184339.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.1 0.0 19.7
ALT/AZ=88.0 159.2
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sdW=2835.4
fwW=1.35
sdS=2392.8
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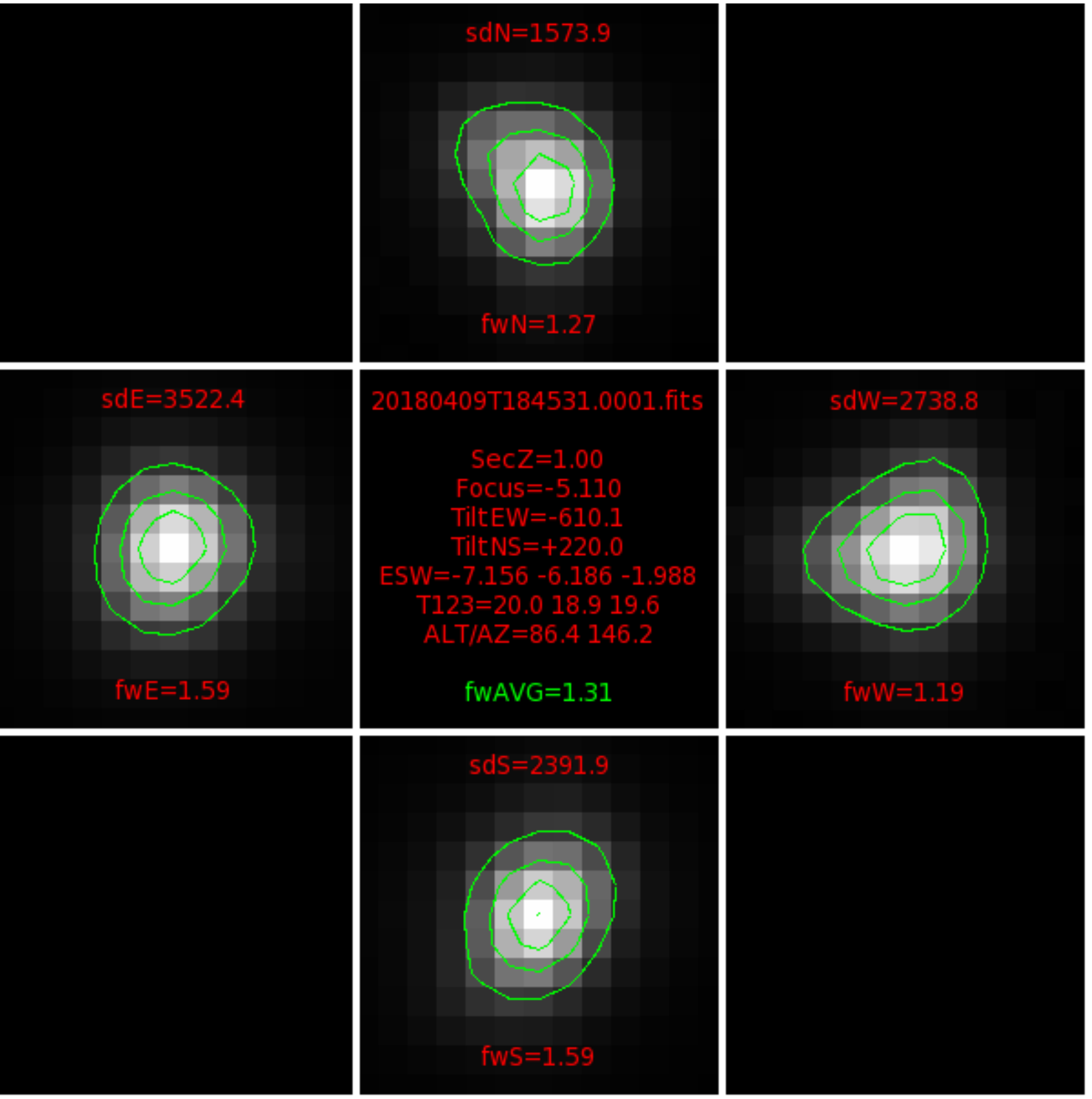
sdN=1573.9
fwN=1.27
sdE=3522.4
fwE=1.59
20180409T184531.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.0 18.9 19.6
ALT/AZ=86.4 146.2
fwAVG=1.31
sdW=2738.8
fwW=1.19
sdS=2391.9
fwS=1.59
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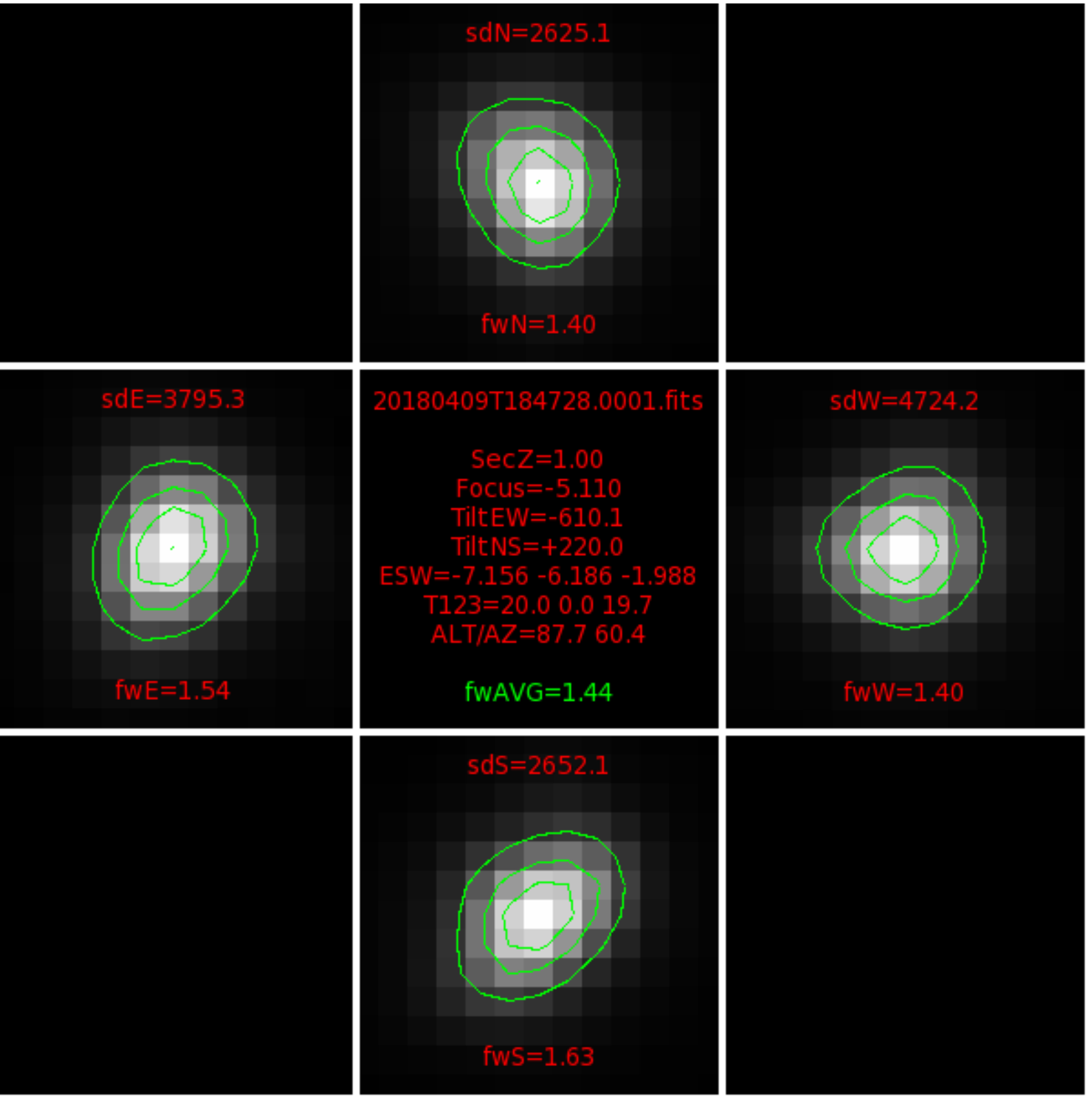
sdN=2625.1
fwN=1.40
sdE=3795.3
fwE=1.54
20180409T184728.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.0 0.0 19.7
ALT/AZ=87.7 60.4
fwAVG=1.44
sdW=4724.2
fwW=1.40
sdS=2652.1
fwS=1.63
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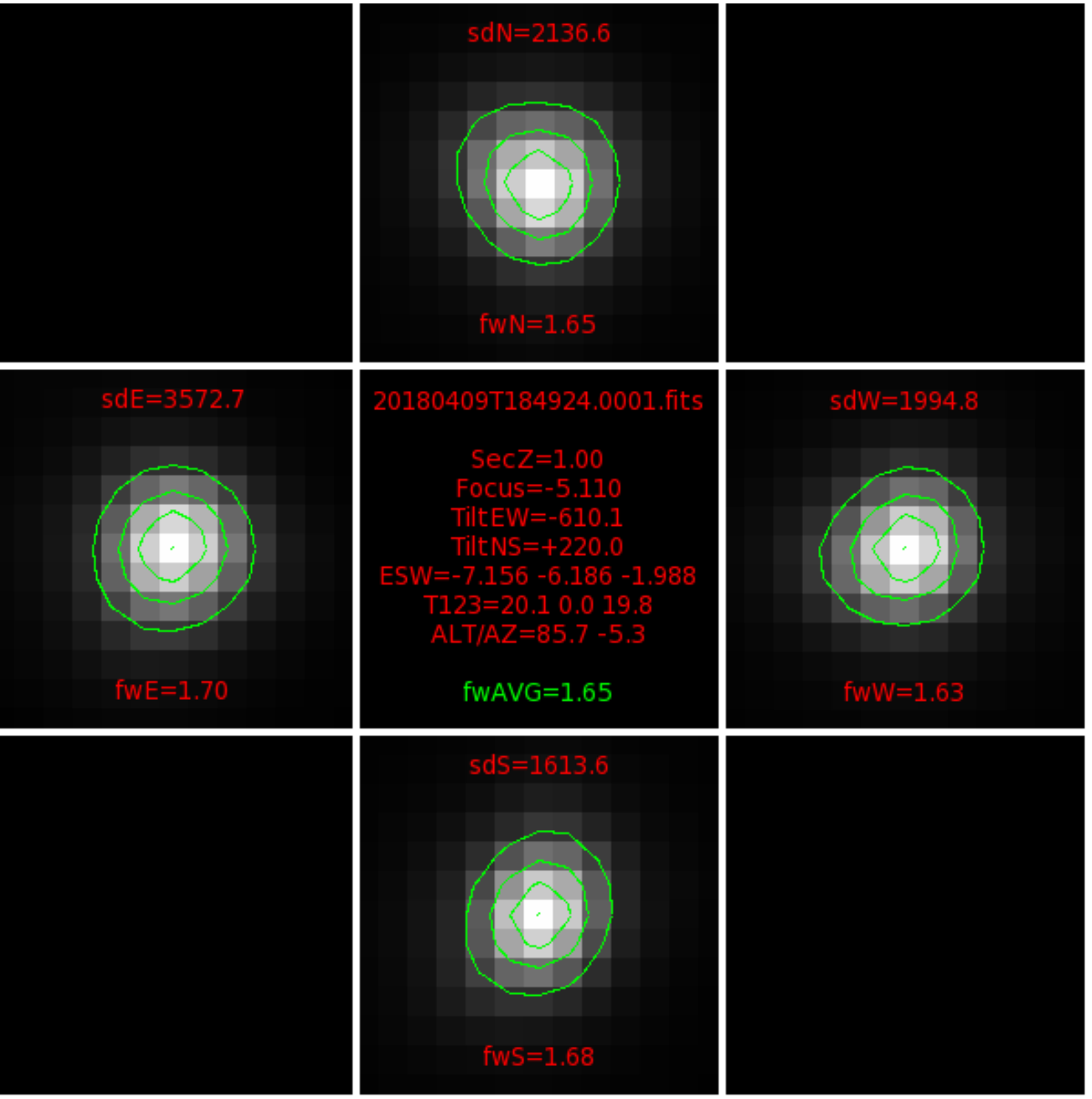
sdN=2136.6
fwN=1.65
sdE=3572.7
fwE=1.70
20180409T184924.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.1 0.0 19.8
ALT/AZ=85.7 -5.3
fwAVG=1.65
sdW=1994.8
fwW=1.63
sdS=1613.6
fwS=1.68
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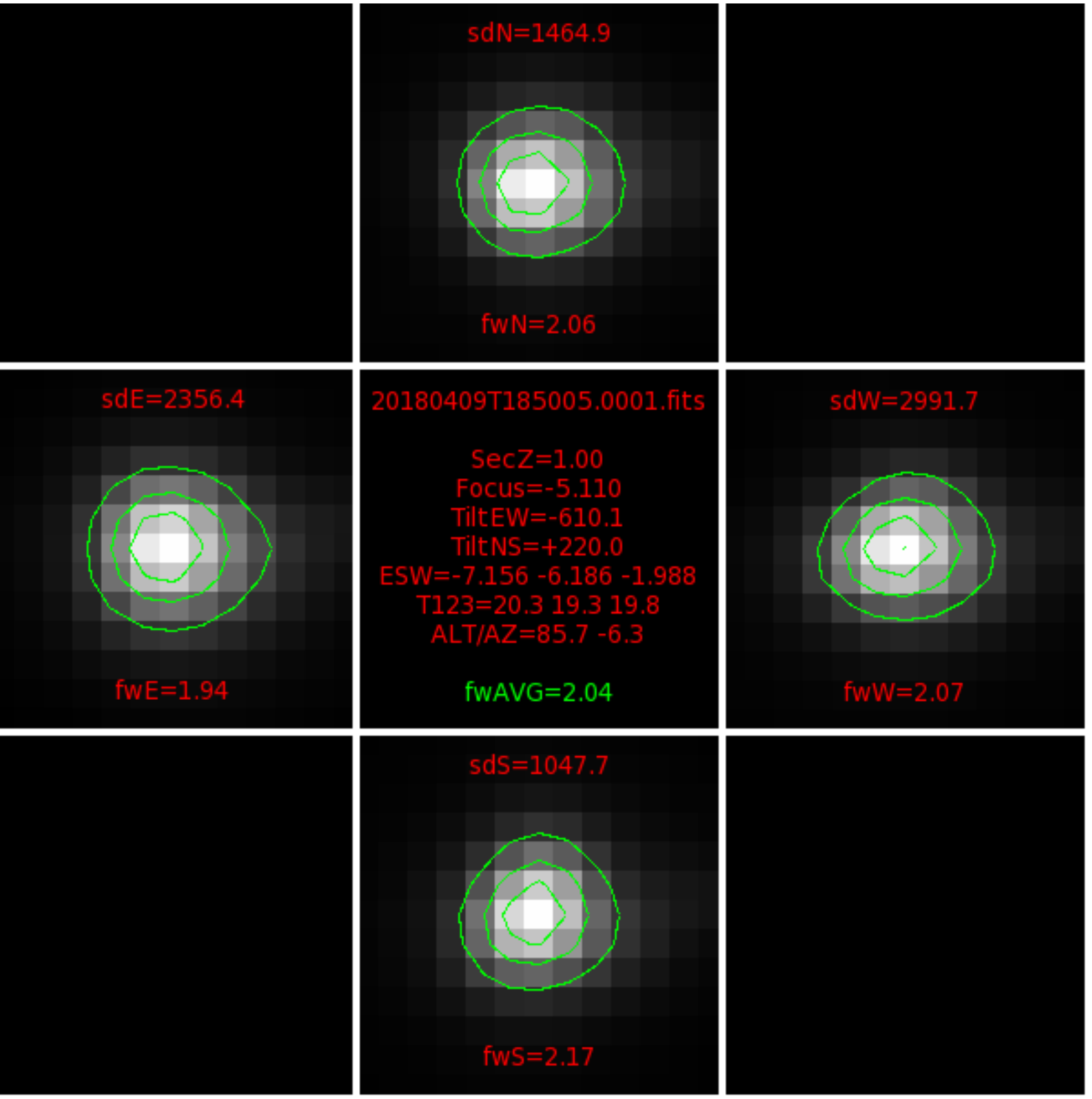
sdN=1464.9
fwN=2.06
sdE=2356.4
fwE=1.94
20180409T185005.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.3 19.3 19.8
ALT/AZ=85.7 -6.3
fwAVG=2.04
sdW=2991.7
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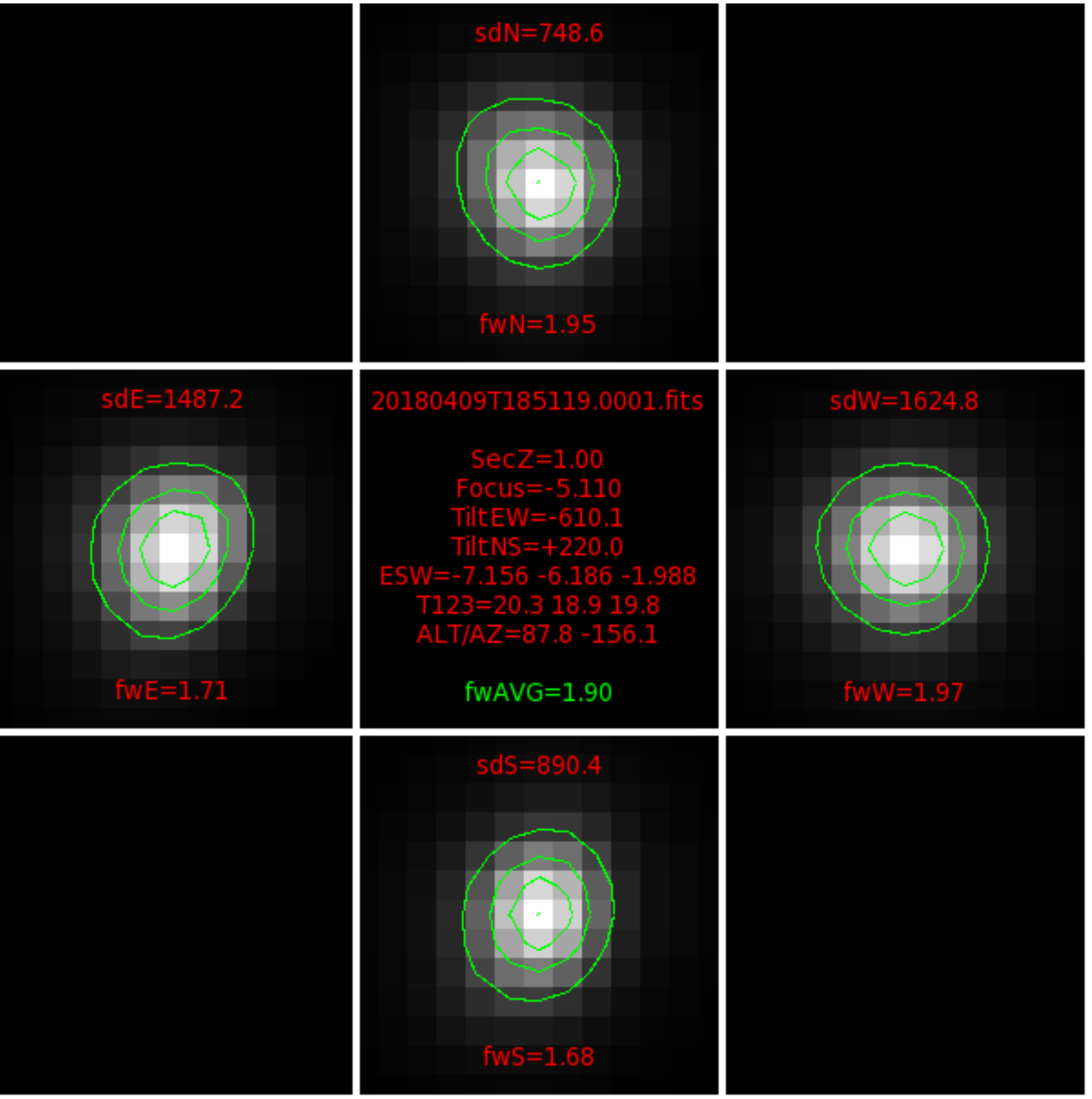
sdN=748.6
fwN=1.95
sdE=1487.2
fwE=1.71
20180409T185119.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.3 18.9 19.8
ALT/AZ=87.8 -156.1
fwAVG=1.90
sdW=1624.8
fwW=1.97
sdS=890.4
fwS=1.68
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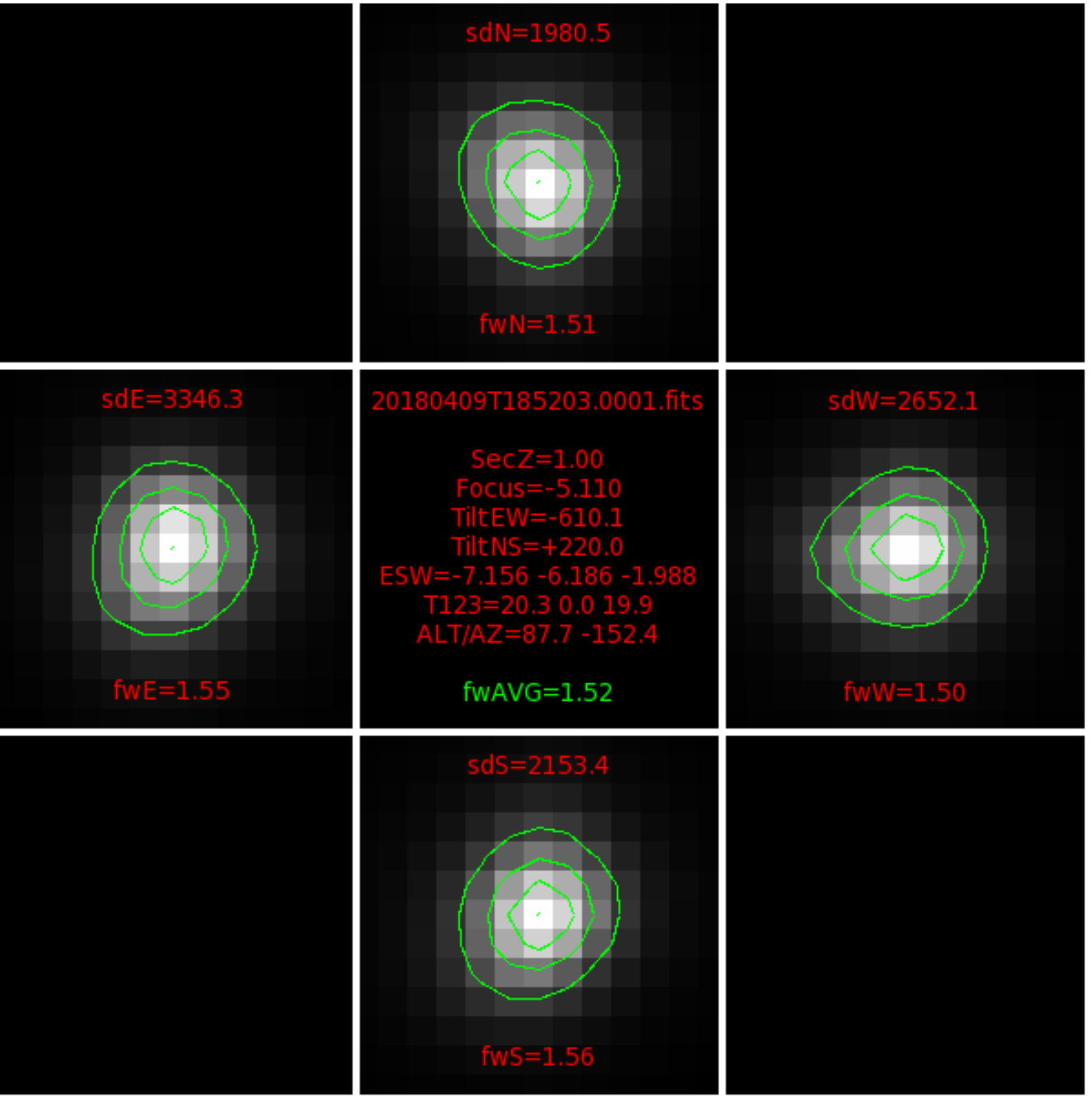
sdN=1980.5
fwN=1.51
sdE=3346.3
fwE=1.55
20180409T185203.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.3 0.0 19.9
ALT/AZ=87.7 -152.4
fwAVG=1.52
sdW=2652.1
fwW=1.50
sdS=2153.4
fwS=1.56
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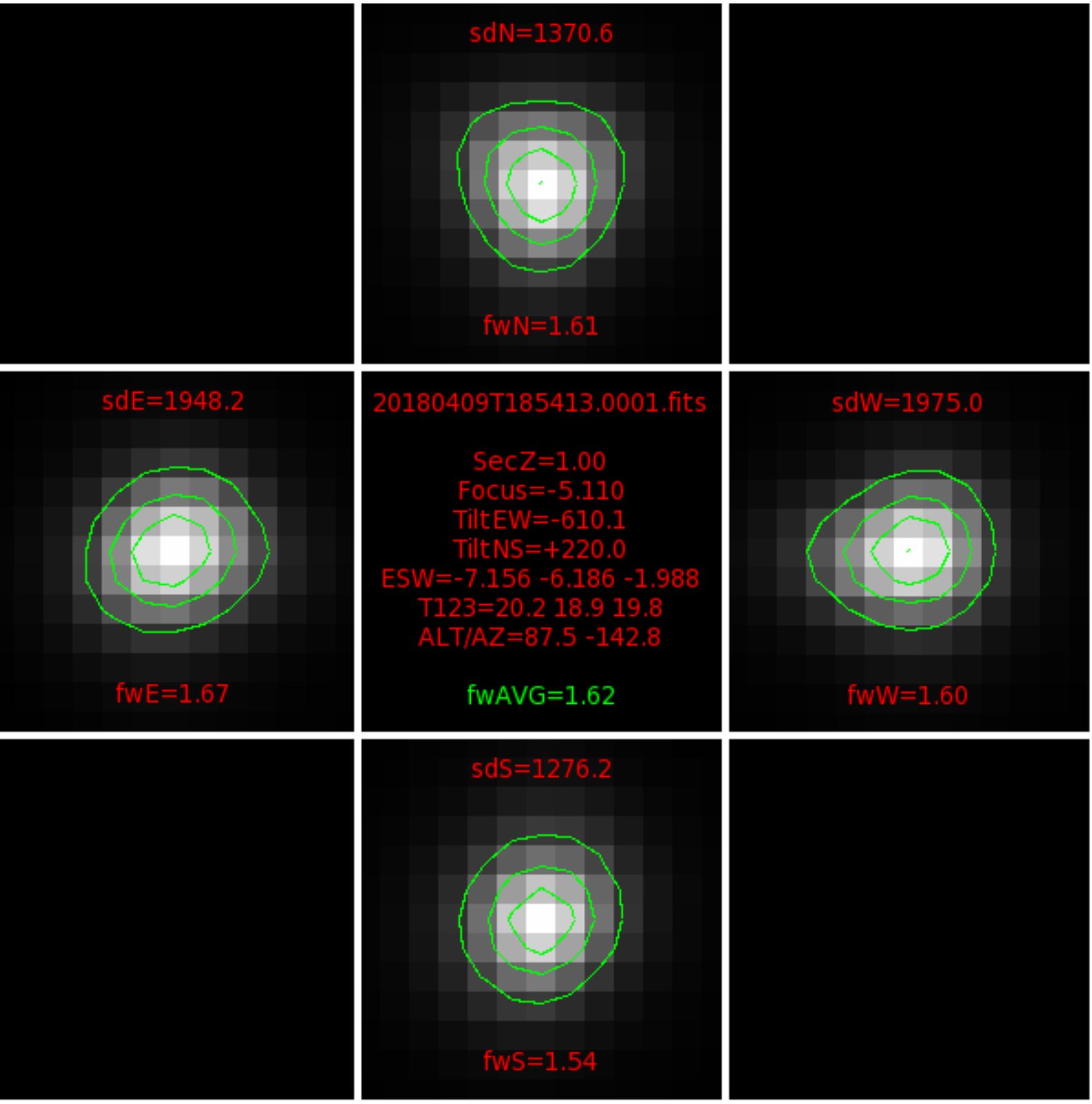
sdN=1370.6
fwN=1.61
sdE=1948.2
fwE=1.67
20180409T185413.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.2 18.9 19.8
ALT/AZ=87.5 -142.8
fwAVG=1.62
sdW=1975.0
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sdS=1276.2
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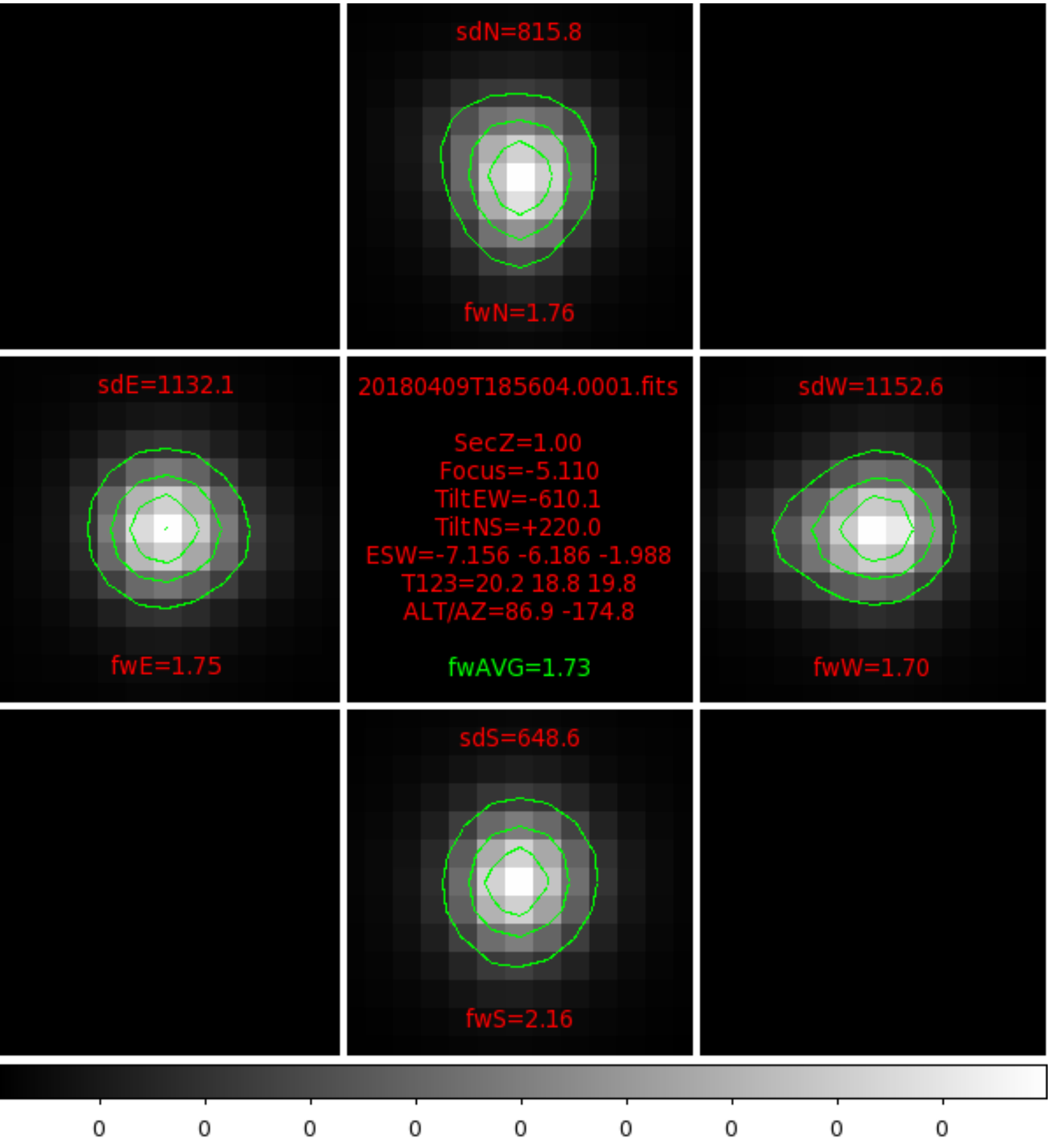
sdN=815.8
fwN=1.76
sdE=1132.1
fwE=1.75
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SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.2 18.8 19.8
ALT/AZ=86.9 -174.8
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sdW=1152.6
fwW=1.70
sdS=648.6
fwS=2.16
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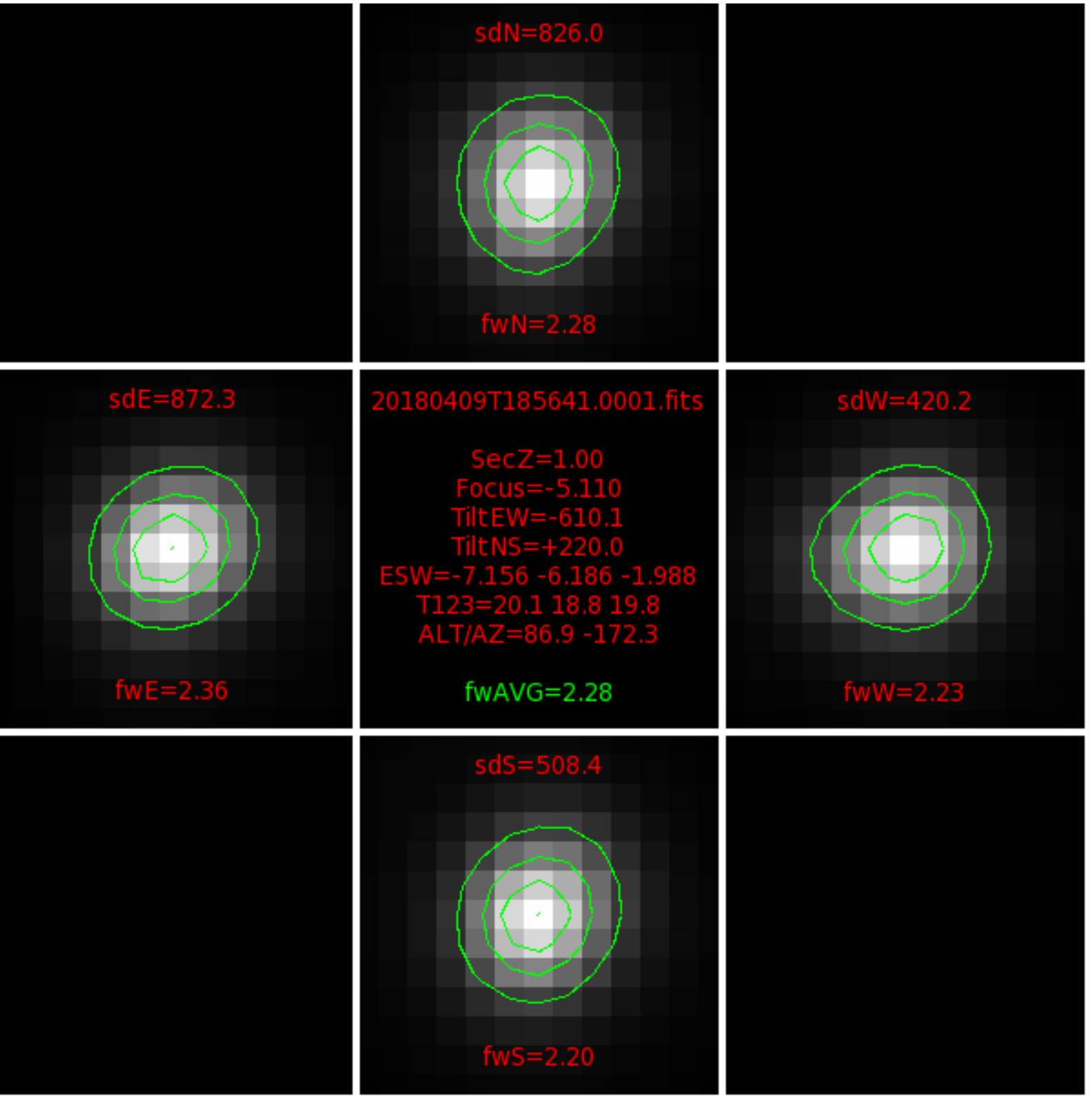
sdN=826.0
fwN=2.28
sdE=872.3
fwE=2.36
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SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.1 18.8 19.8
ALT/AZ=86.9 -172.3
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sdW=420.2
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sdS=508.4
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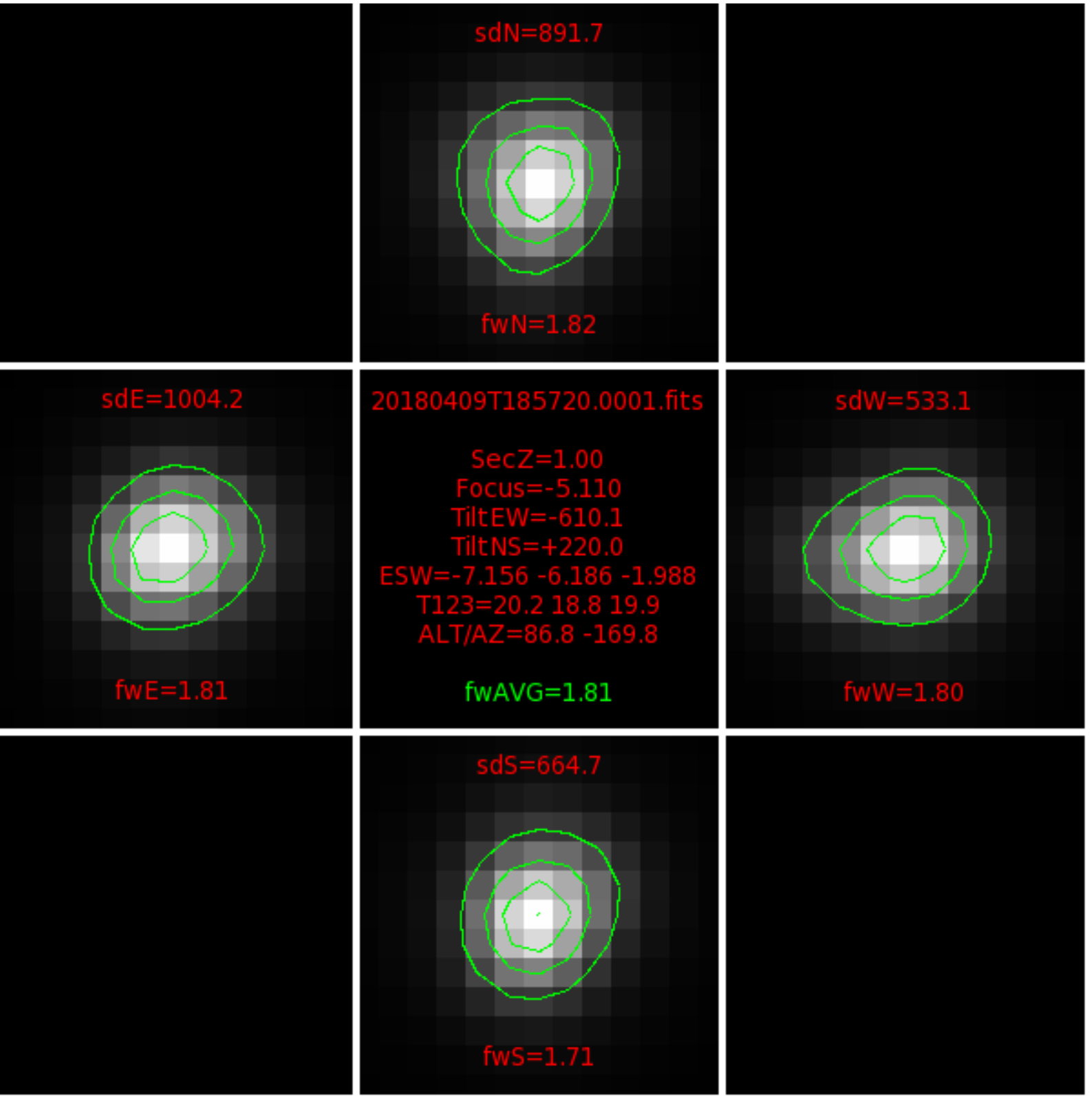
sdN=891.7
fwN=1.82
sdE=1004.2
fwE=1.81
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SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.2 18.8 19.9
ALT/AZ=86.8 -169.8
fwAVG=1.81
sdW=533.1
fwW=1.80
sdS=664.7
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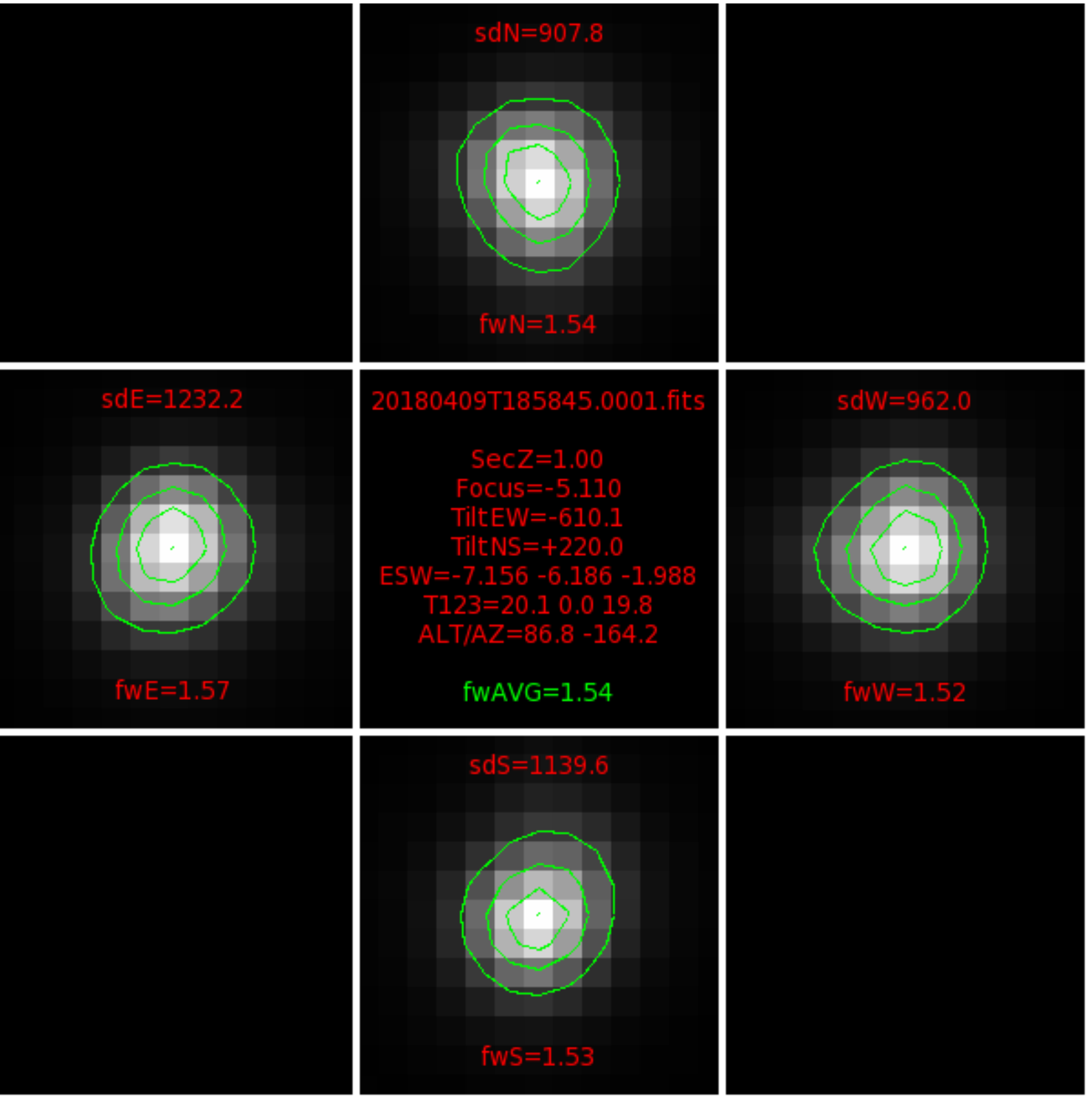
sdN=907.8
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sdE=1232.2
fwE=1.57
20180409T185845.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.1 0.0 19.8
ALT/AZ=86.8 -164.2
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sdW=962.0
fwW=1.52
sdS=1139.6
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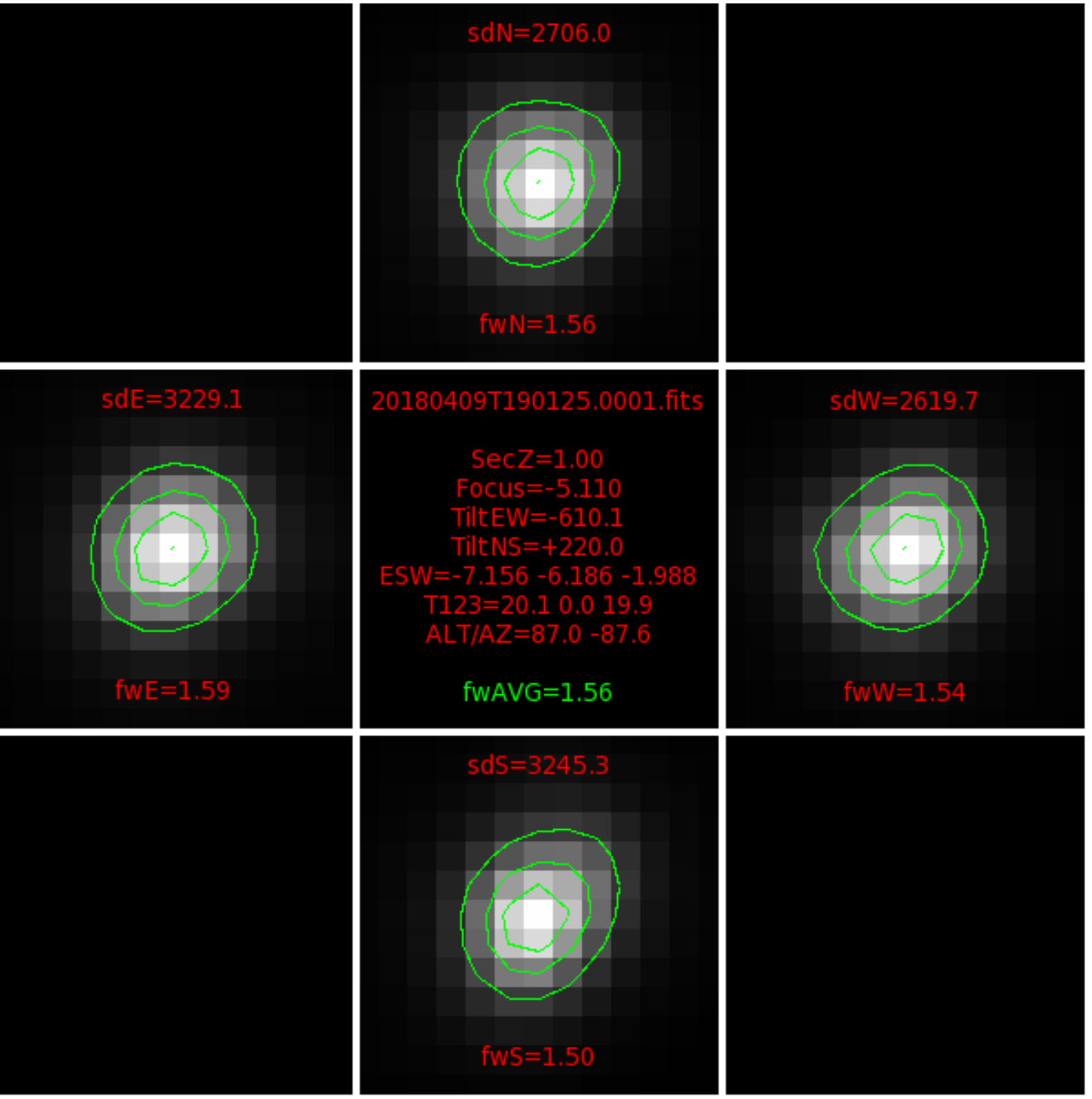
sdN=2706.0
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sdE=3229.1
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SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.1 0.0 19.9
ALT/AZ=87.0 -87.6
fwAVG=1.56
sdW=2619.7
fwW=1.54
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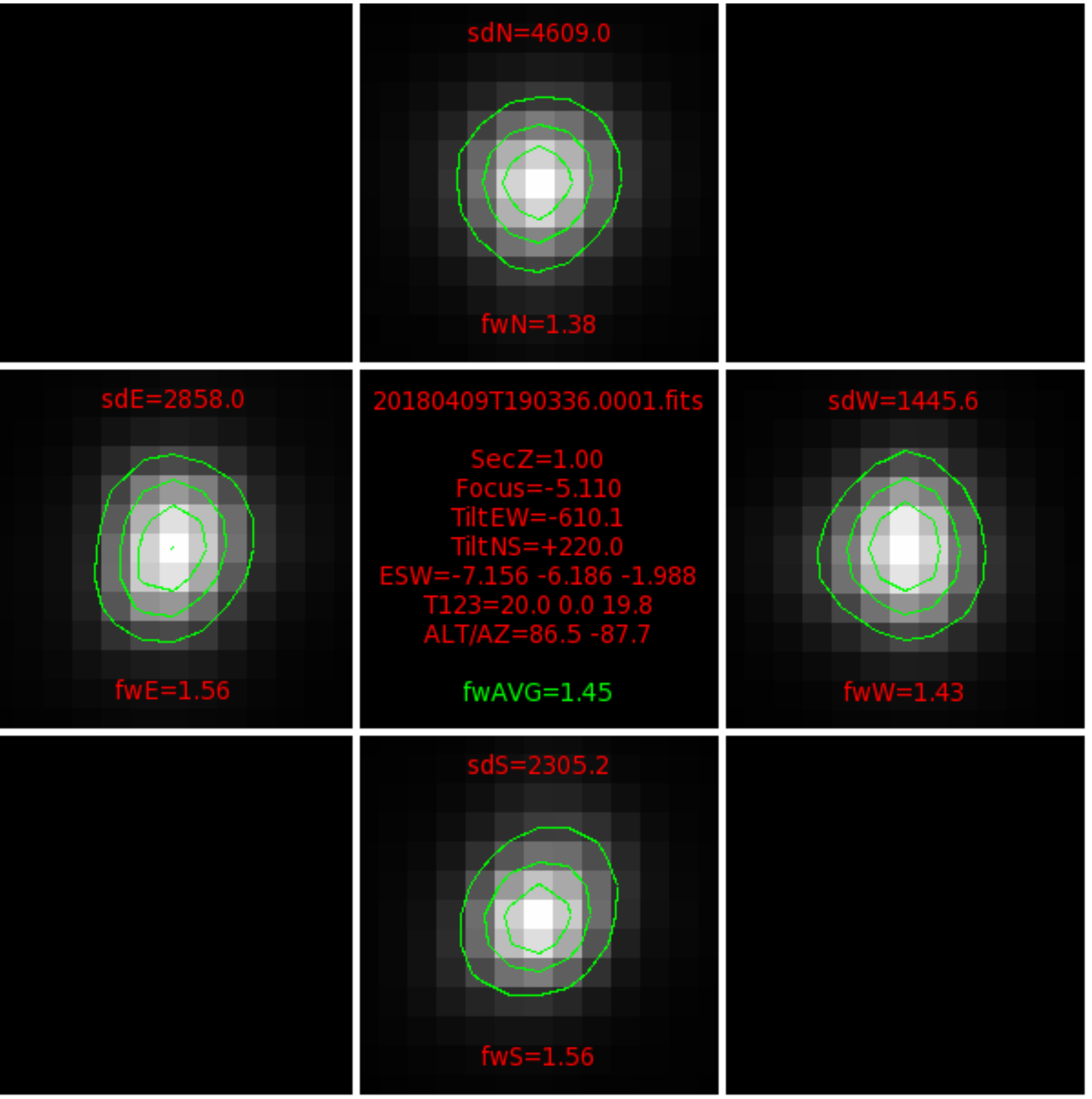
sdN=4609.0
fwN=1.38
sdE=2858.0
fwE=1.56
20180409T190336.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.0 0.0 19.8
ALT/AZ=86.5 -87.7
fwAVG=1.45
sdW=1445.6
fwW=1.43
sdS=2305.2
fwS=1.56
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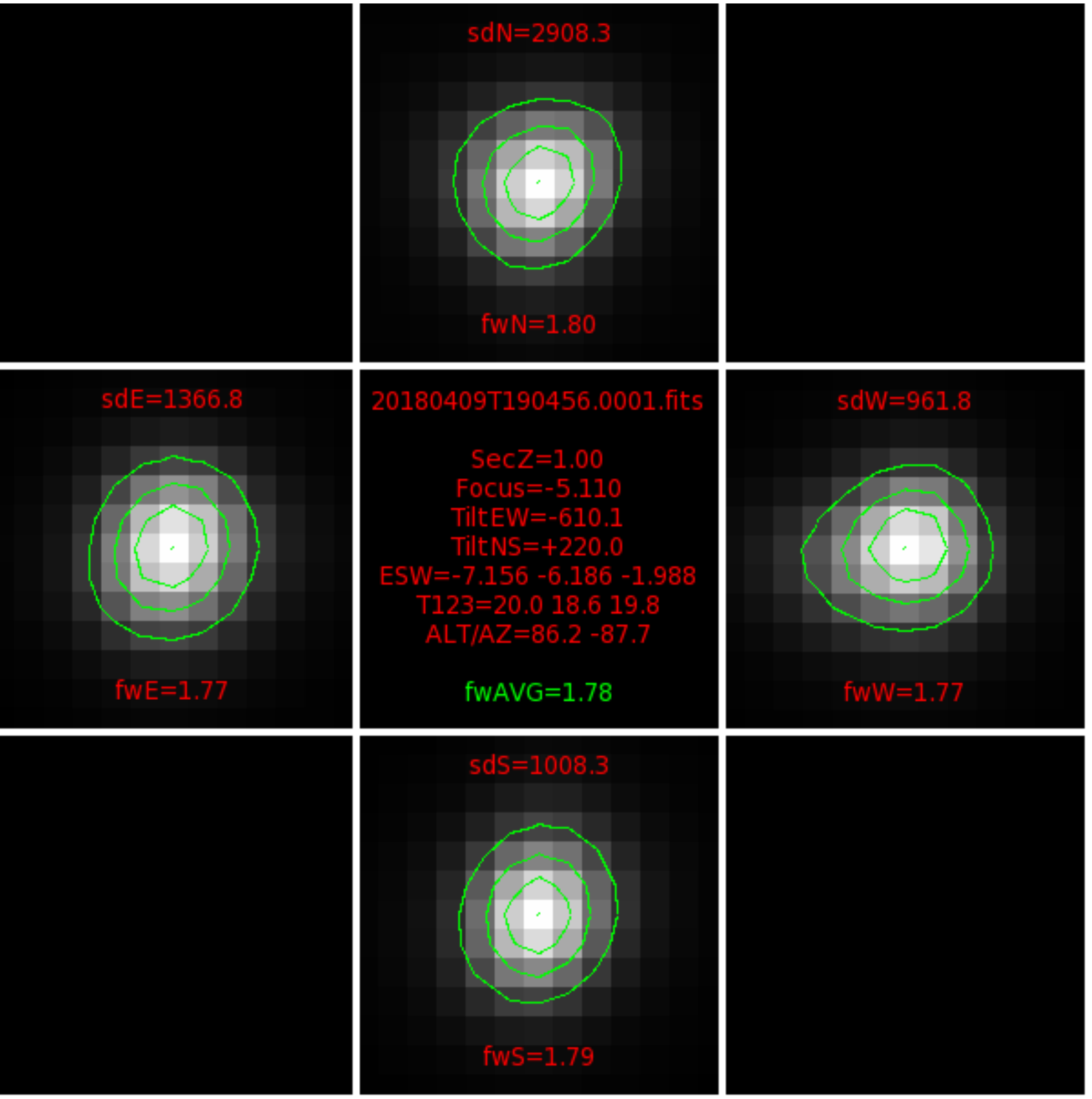
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fwN=1.80
sdE=1366.8
fwE=1.77
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SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.0 18.6 19.8
ALT/AZ=86.2 -87.7
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sdW=961.8
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sdS=1008.3
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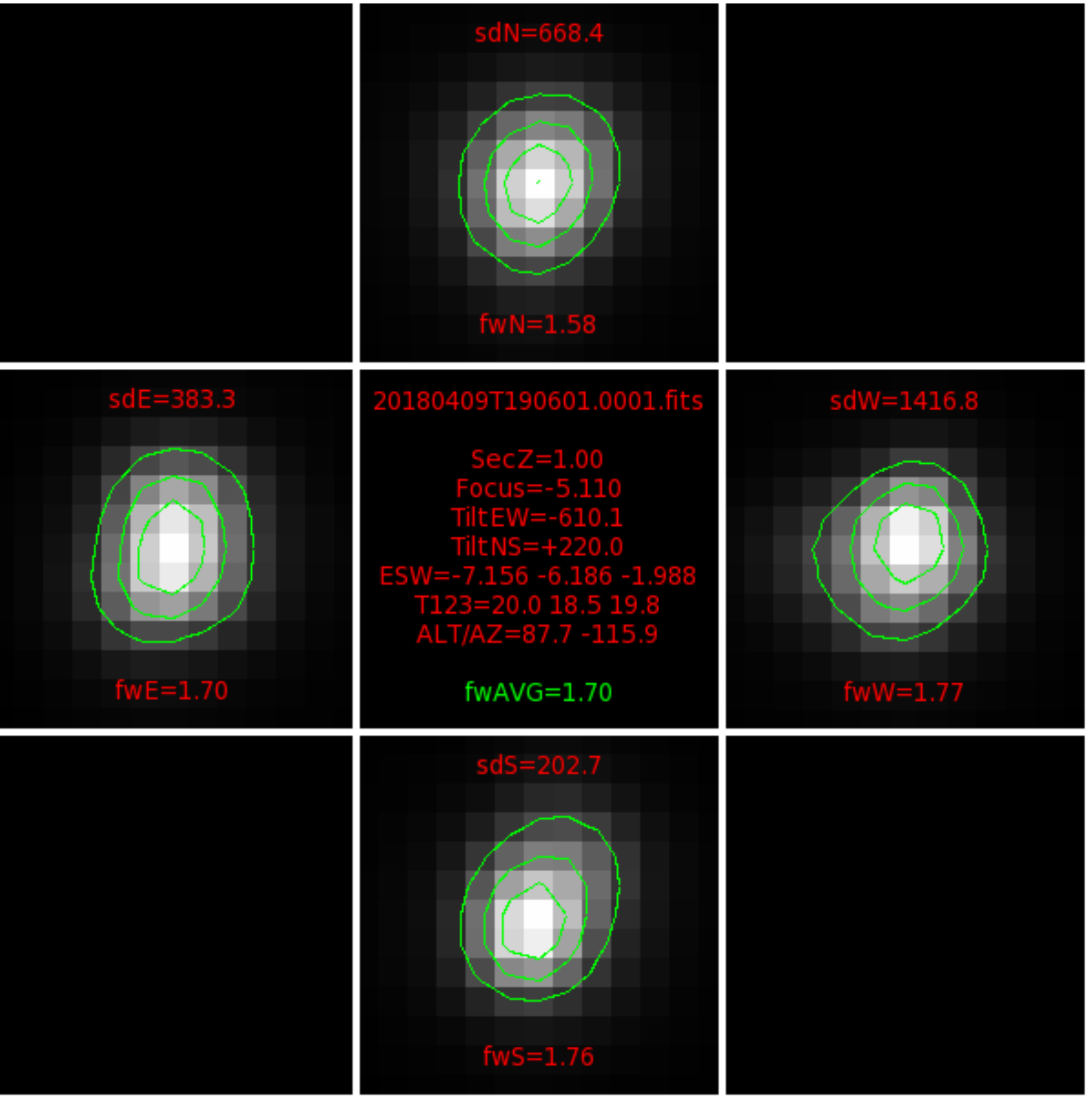
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fwN=1.58
sdE=383.3
fwE=1.70
20180409T190601.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.0 18.5 19.8
ALT/AZ=87.7 -115.9
fwAVG=1.70
sdW=1416.8
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sdS=202.7
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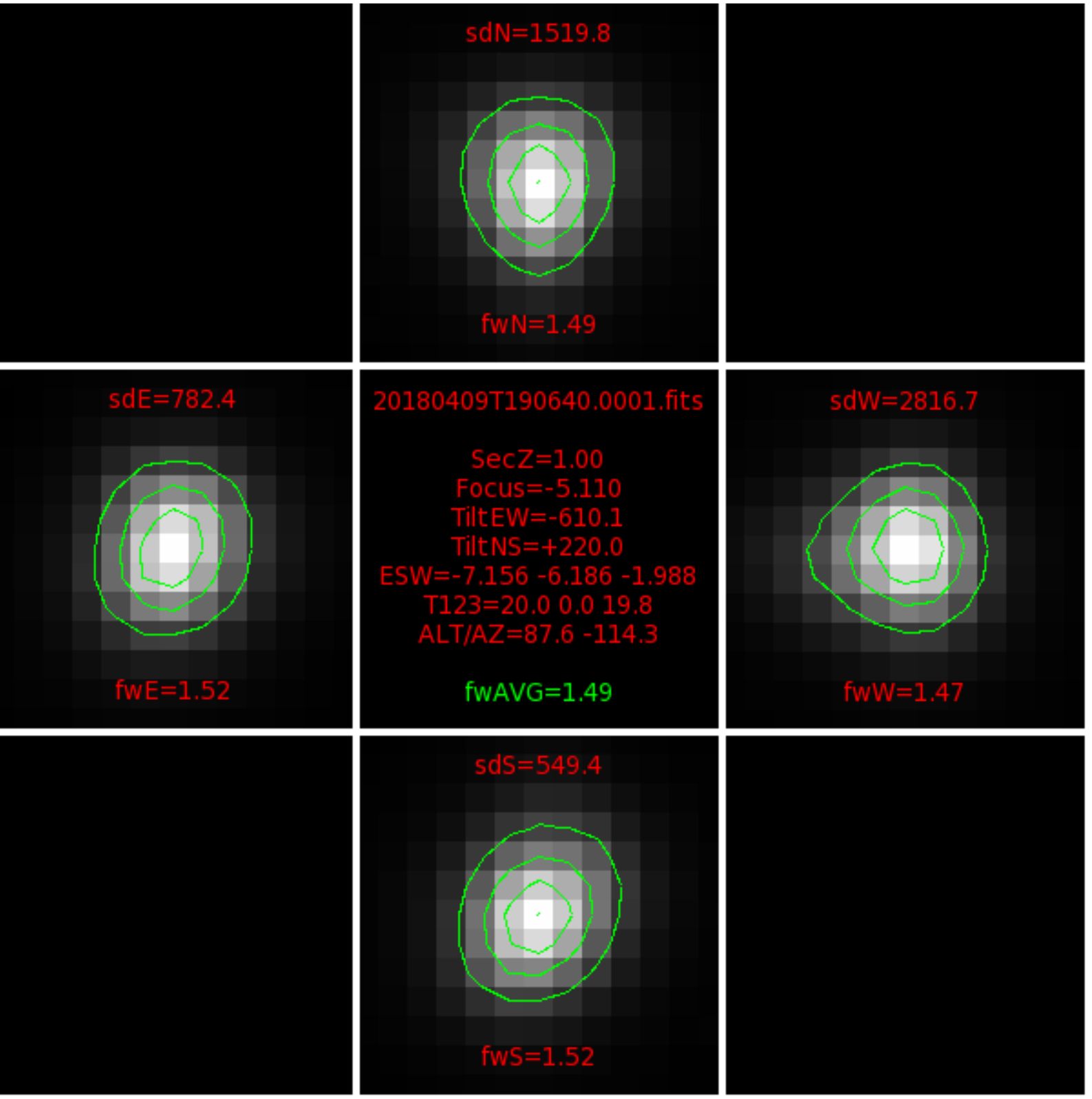
sdN=1519.8
fwN=1.49
sdE=782.4
fwE=1.52
20180409T190640.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.0 0.0 19.8
ALT/AZ=87.6 -114.3
fwAVG=1.49
sdW=2816.7
fwW=1.47
sdS=549.4
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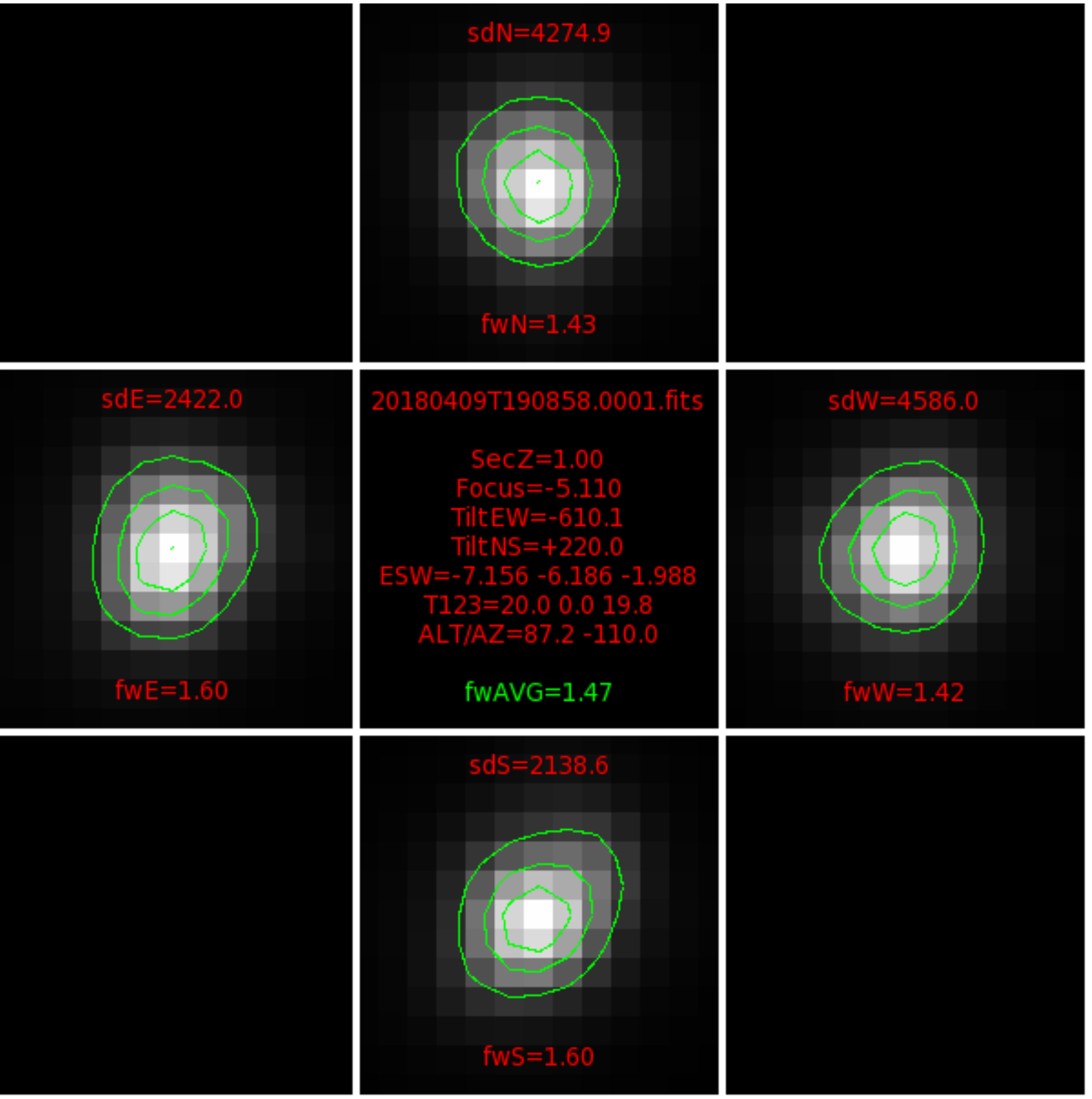
sdN=4274.9
fwN=1.43
sdE=2422.0
fwE=1.60
20180409T190858.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=20.0 0.0 19.8
ALT/AZ=87.2 -110.0
fwAVG=1.47
sdW=4586.0
fwW=1.42
sdS=2138.6
fwS=1.60
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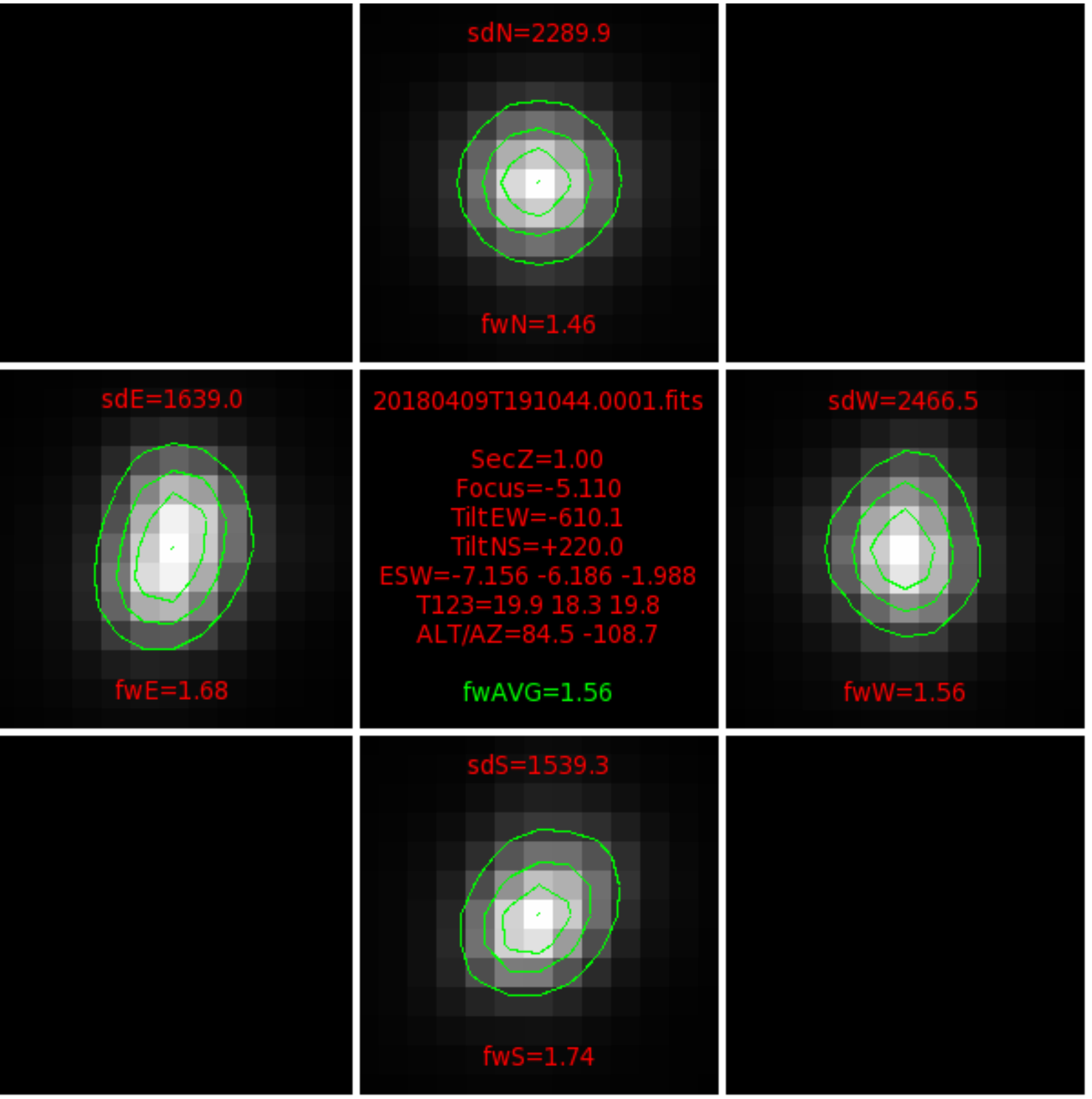
sdN=2289.9
fwN=1.46
sdE=1639.0
fwE=1.68
20180409T191044.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.9 18.3 19.8
ALT/AZ=84.5 -108.7
fwAVG=1.56
sdW=2466.5
fwW=1.56
sdS=1539.3
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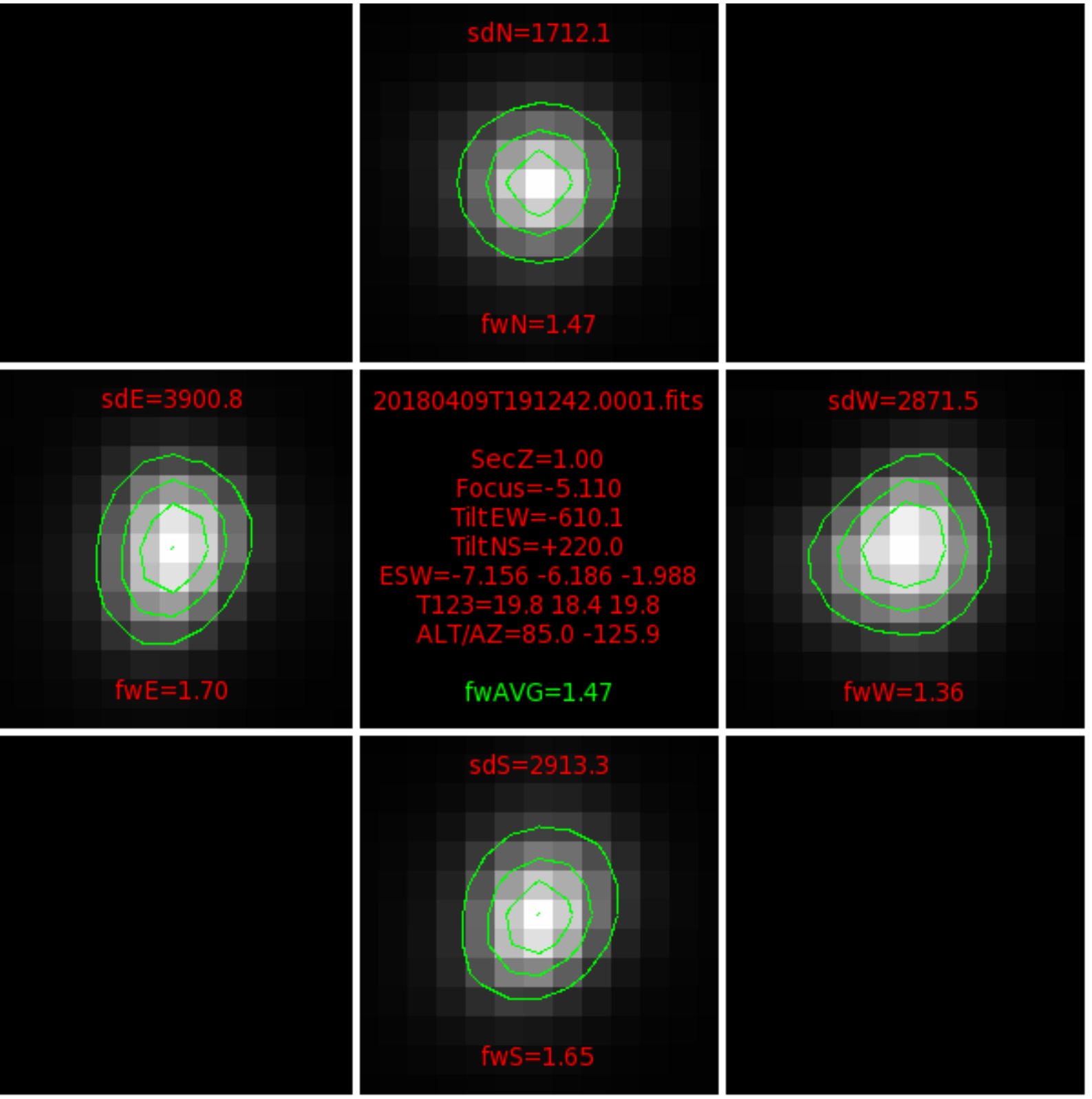
sdN=1712.1
fwN=1.47
sdE=3900.8
fwE=1.70
20180409T191242.0001.fits
SecZ=1.00
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.8 18.4 19.8
ALT/AZ=85.0 -125.9
fwAVG=1.47
sdW=2871.5
fwW=1.36
sdS=2913.3
fwS=1.65
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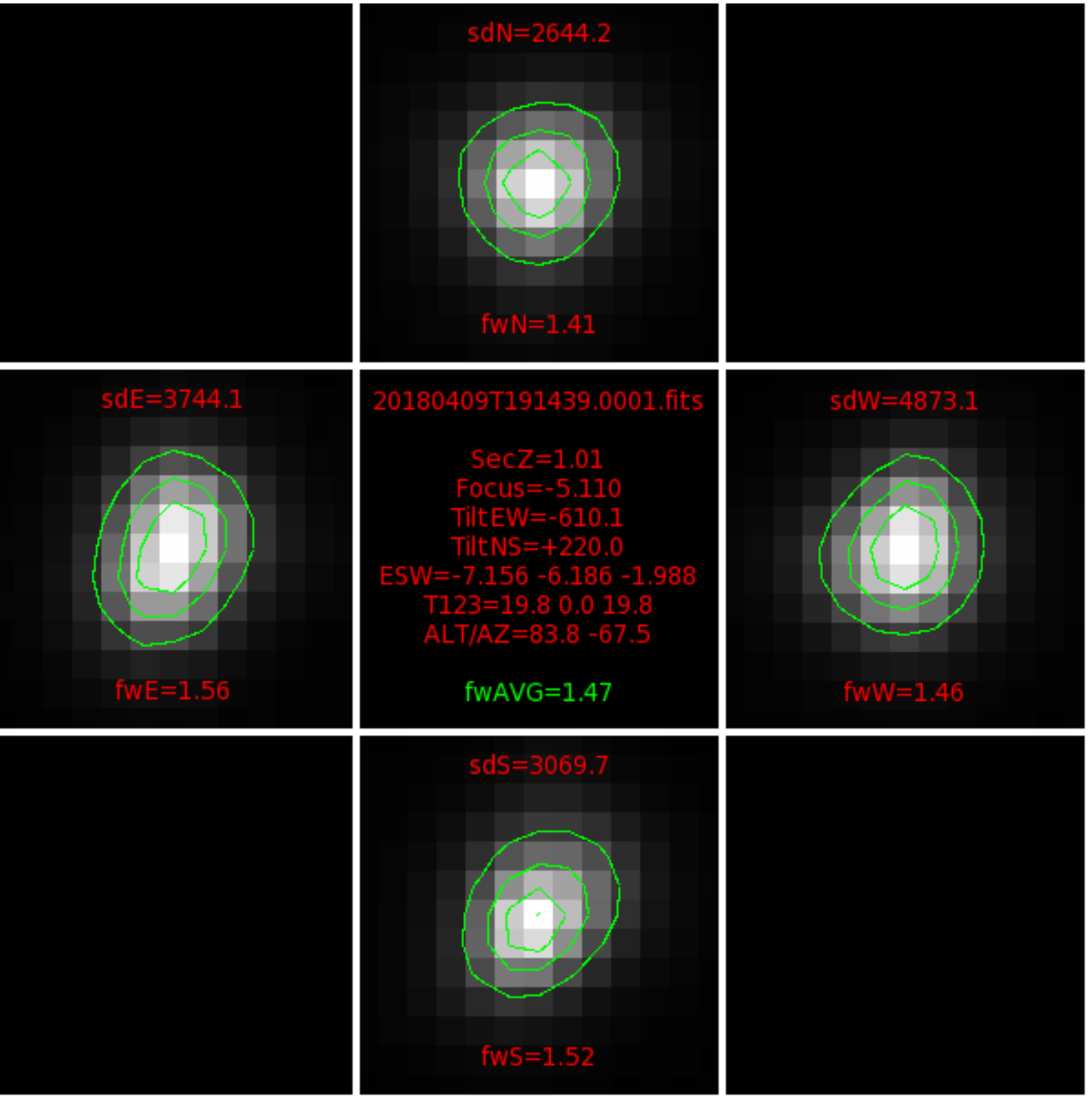
sdN=2644.2
fwN=1.41
sdE=3744.1
fwE=1.56
20180409T191439.0001.fits
SecZ=1.01
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.8 0.0 19.8
ALT/AZ=83.8 -67.5
fwAVG=1.47
sdW=4873.1
fwW=1.46
sdS=3069.7
fwS=1.52
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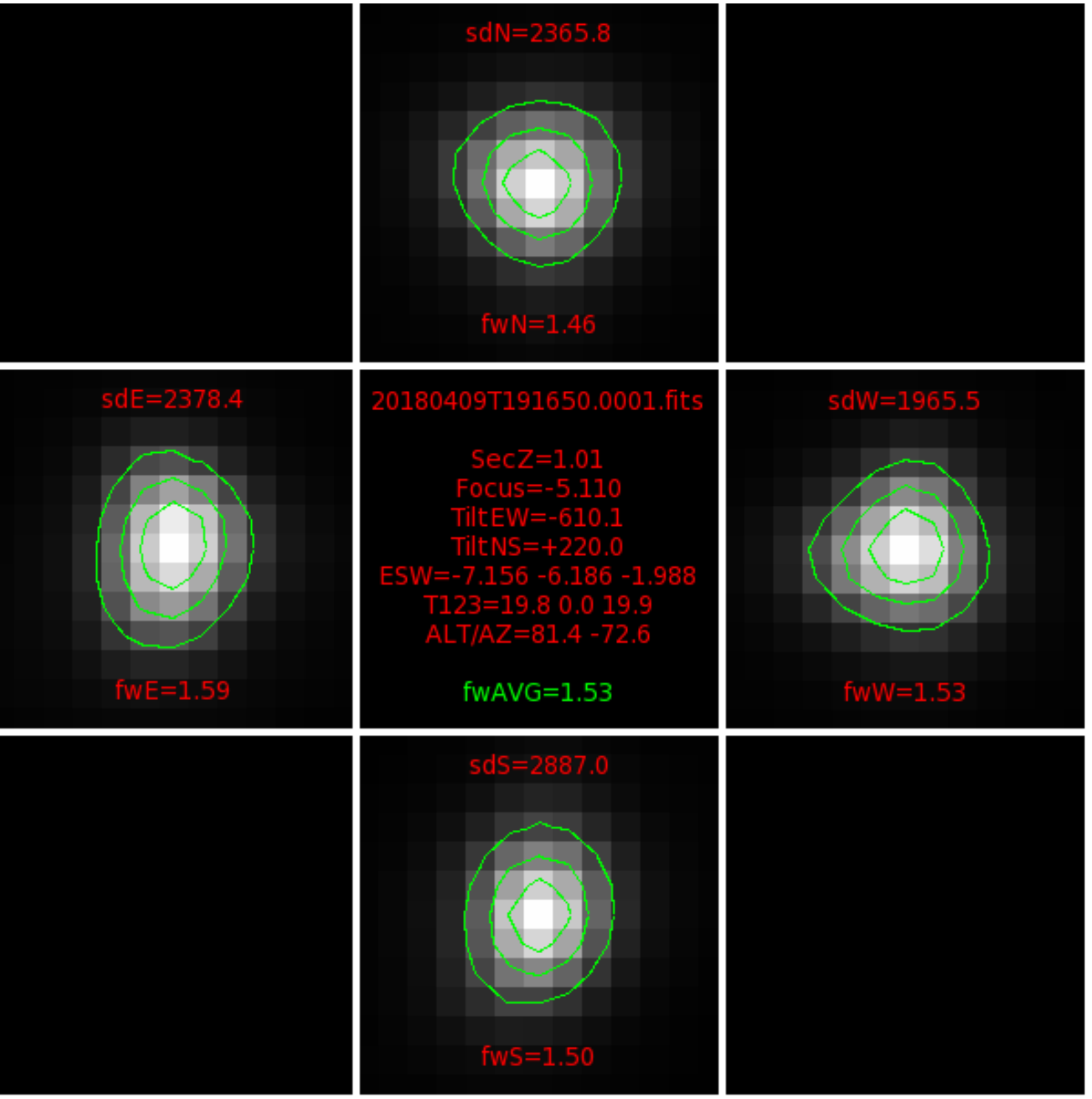
sdN=2365.8
fwN=1.46
sdE=2378.4
fwE=1.59
20180409T191650.0001.fits
SecZ=1.01
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.8 0.0 19.9
ALT/AZ=81.4 -72.6
fwAVG=1.53
sdW=1965.5
fwW=1.53
sdS=2887.0
fwS=1.50
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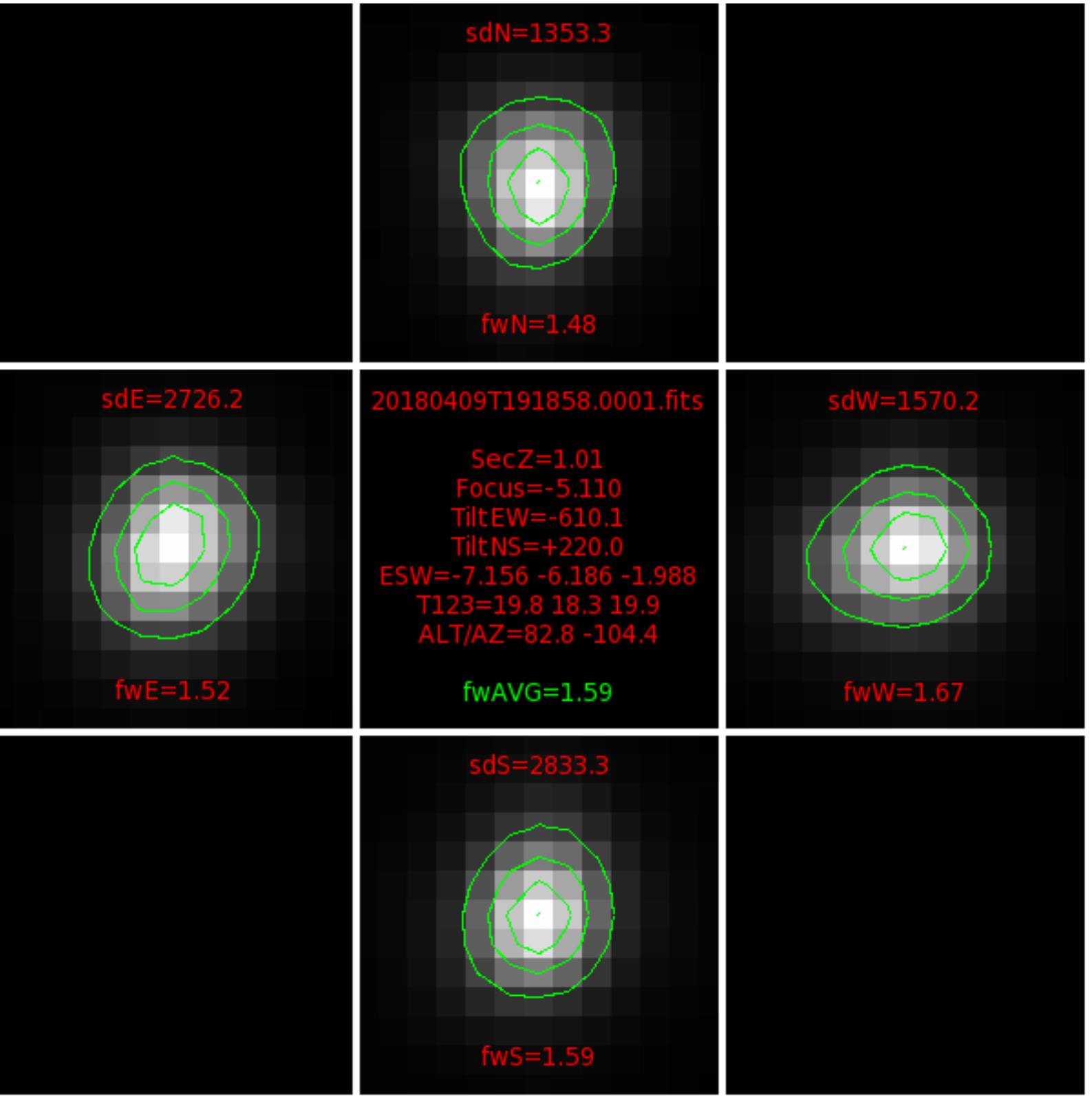
sdN=1353.3
fwN=1.48
sdE=2726.2
fwE=1.52
20180409T191858.0001.fits
SecZ=1.01
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.8 18.3 19.9
ALT/AZ=82.8 -104.4
fwAVG=1.59
sdW=1570.2
fwW=1.67
sdS=2833.3
fwS=1.59
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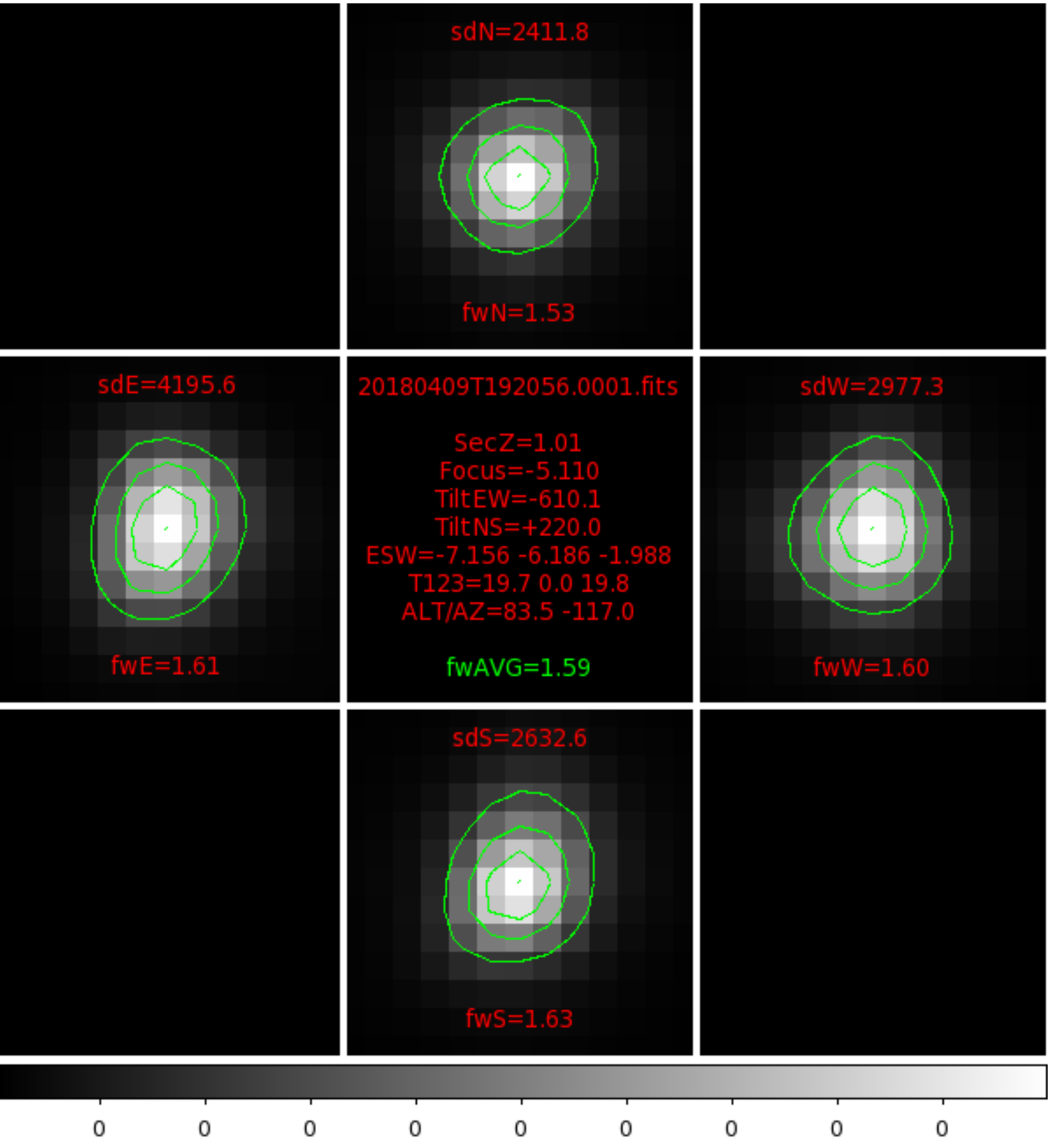
sdN=2411.8
fwN=1.53
sdE=4195.6
fwE=1.61
20180409T192056.0001.fits
SecZ=1.01
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.7 0.0 19.8
ALT/AZ=83.5 -117.0
fwAVG=1.59
sdW=2977.3
fwW=1.60
sdS=2632.6
fwS=1.63
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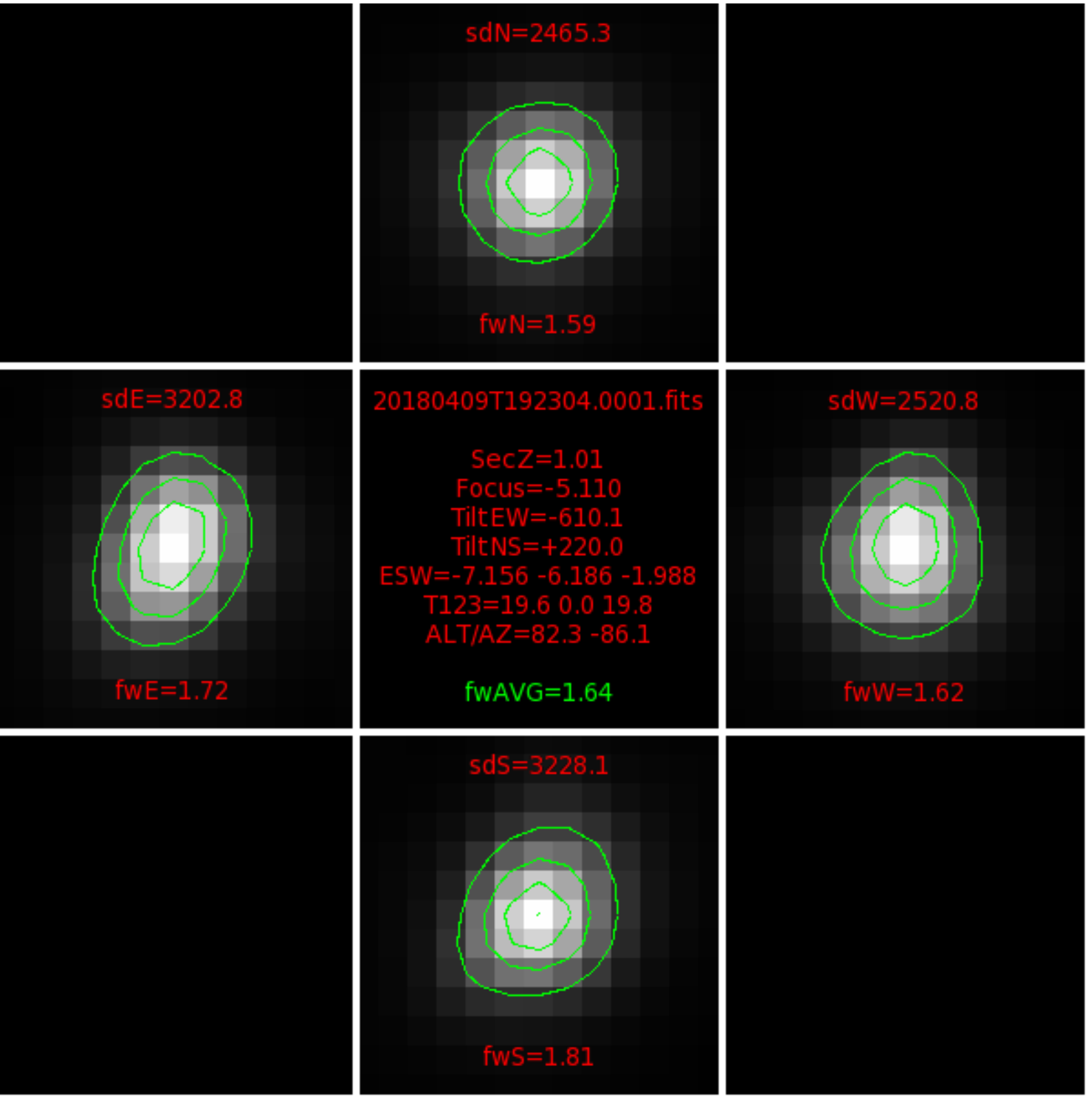
sdN=2465.3
fwN=1.59
sdE=3202.8
fwE=1.72
20180409T192304.0001.fits
SecZ=1.01
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.6 0.0 19.8
ALT/AZ=82.3 -86.1
fwAVG=1.64
sdW=2520.8
fwW=1.62
sdS=3228.1
fwS=1.81
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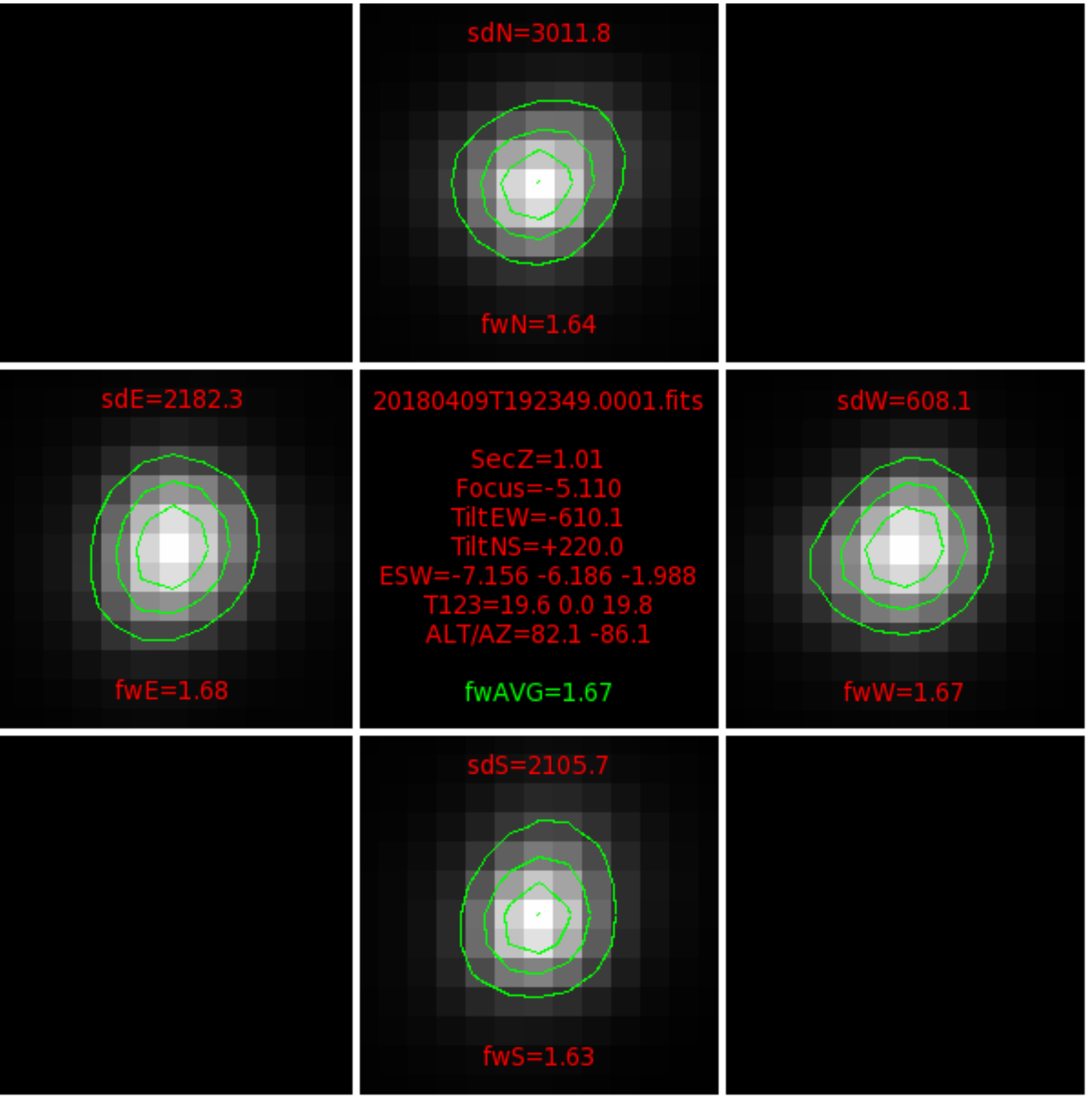
sdN=3011.8
fwN=1.64
sdE=2182.3
fwE=1.68
20180409T192349.0001.fits
SecZ=1.01
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.6 0.0 19.8
ALT/AZ=82.1 -86.1
fwAVG=1.67
sdW=608.1
fwW=1.67
sdS=2105.7
fwS=1.63
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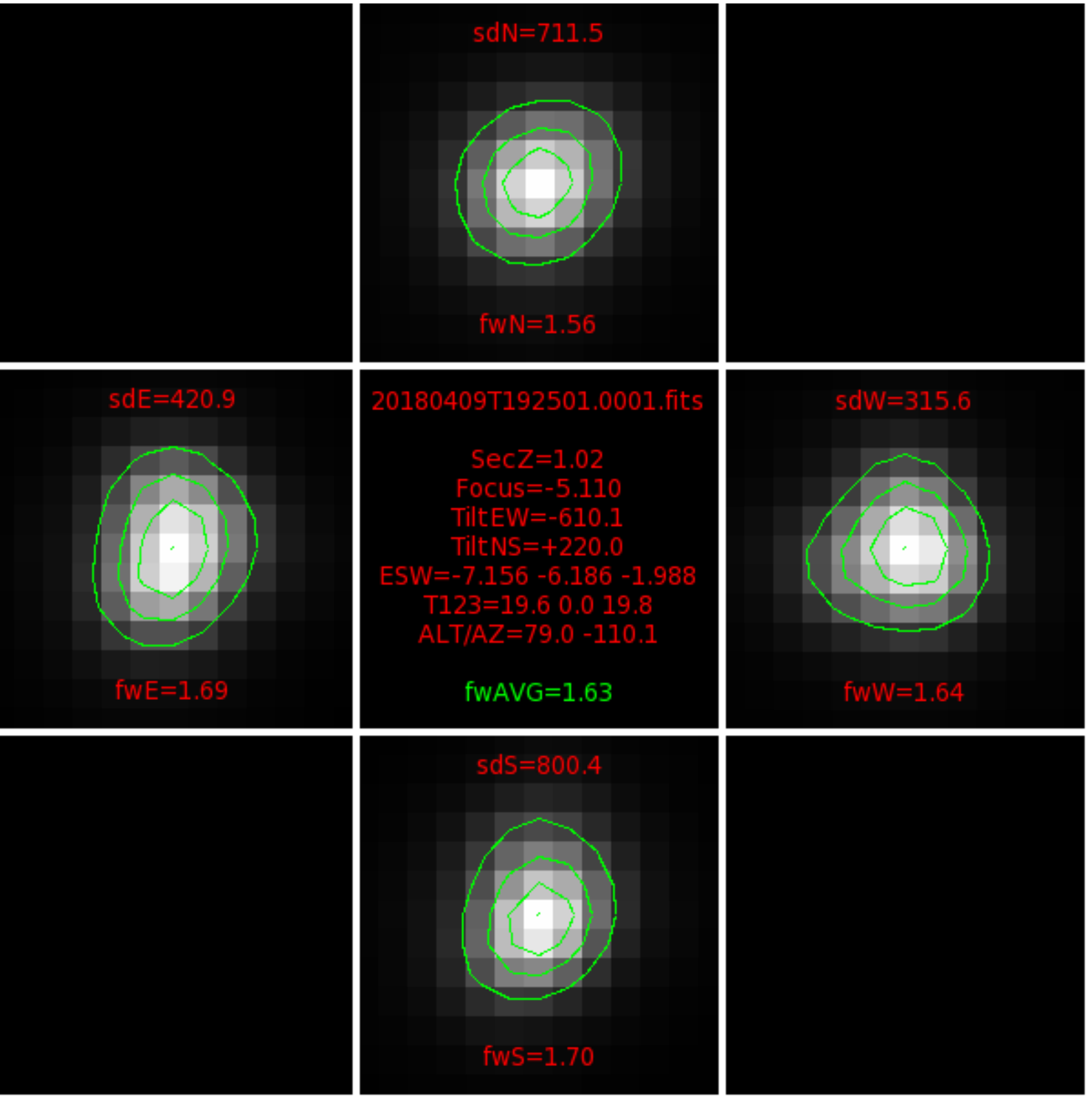
sdN=711.5
fwN=1.56
sdE=420.9
fwE=1.69
20180409T192501.0001.fits
SecZ=1.02
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.6 0.0 19.8
ALT/AZ=79.0 -110.1
fwAVG=1.63
sdW=315.6
fwW=1.64
sdS=800.4
fwS=1.70
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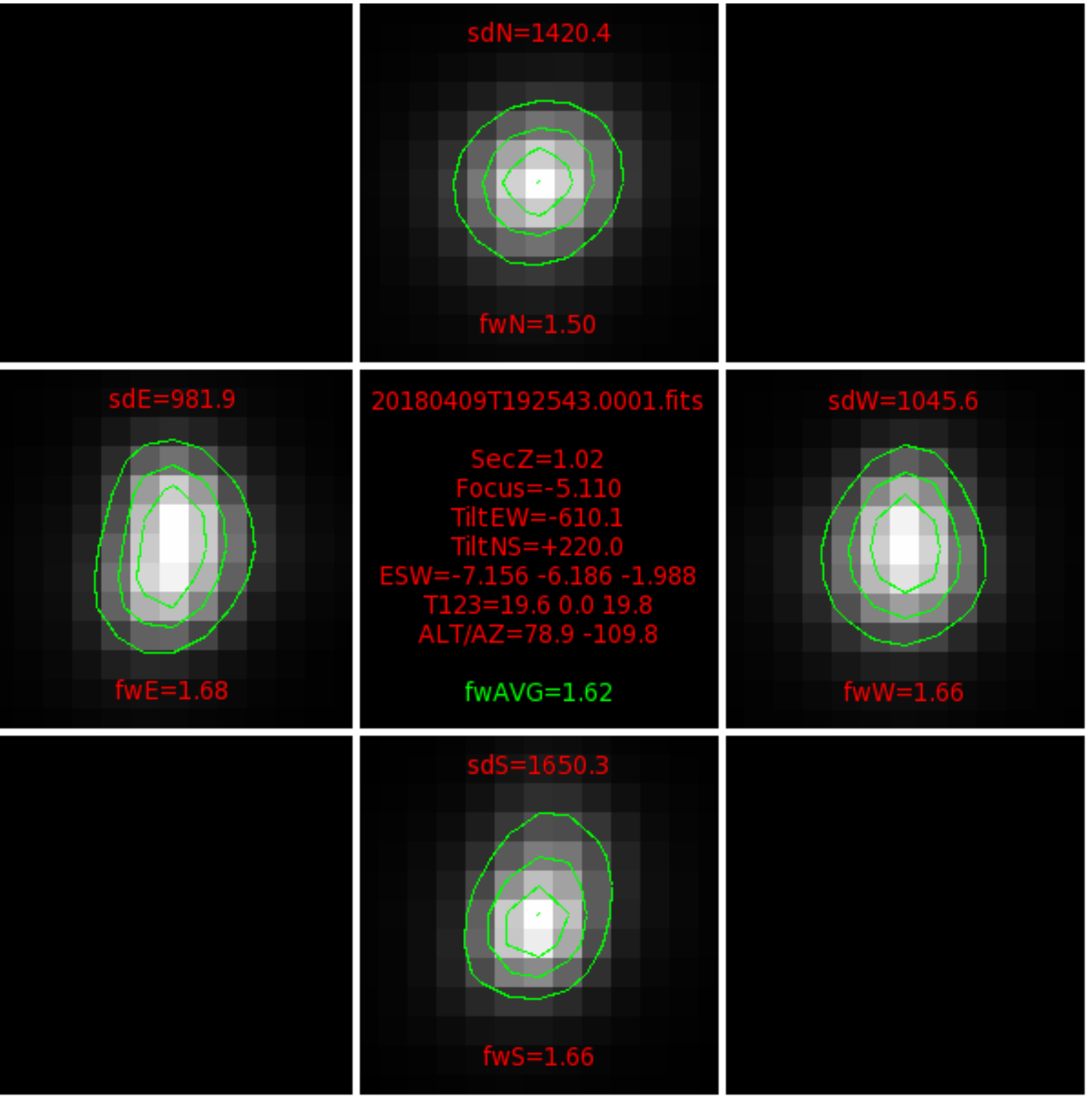
sdN=1420.4
fwN=1.50
sdE=981.9
fwE=1.68
20180409T192543.0001.fits
SecZ=1.02
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.6 0.0 19.8
ALT/AZ=78.9 -109.8
fwAVG=1.62
sdW=1045.6
fwW=1.66
sdS=1650.3
fwS=1.66
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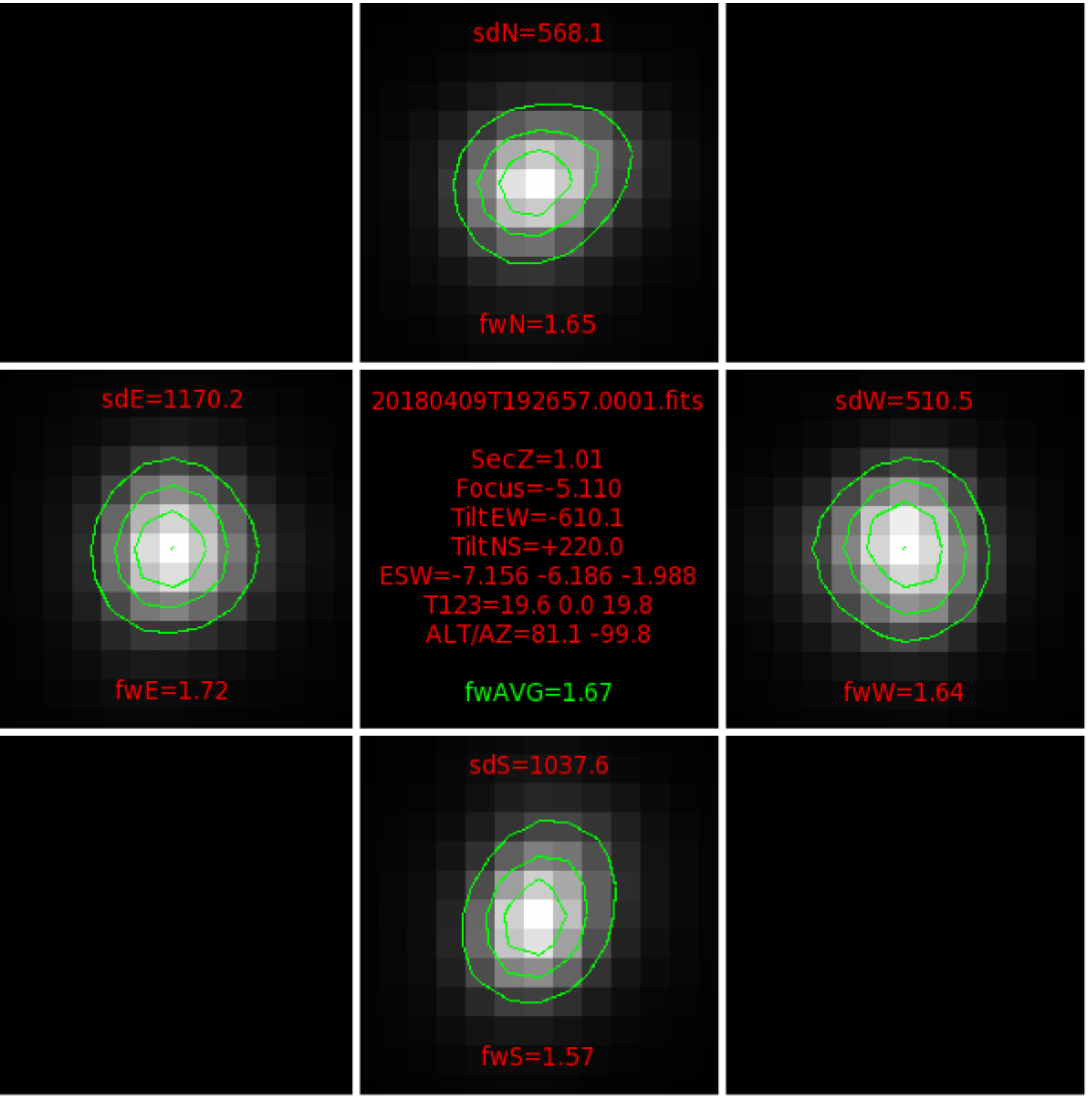
sdN=568.1
fwN=1.65
sdE=1170.2
fwE=1.72
20180409T192657.0001.fits
SecZ=1.01
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.6 0.0 19.8
ALT/AZ=81.1 -99.8
fwAVG=1.67
sdW=510.5
fwW=1.64
sdS=1037.6
fwS=1.57
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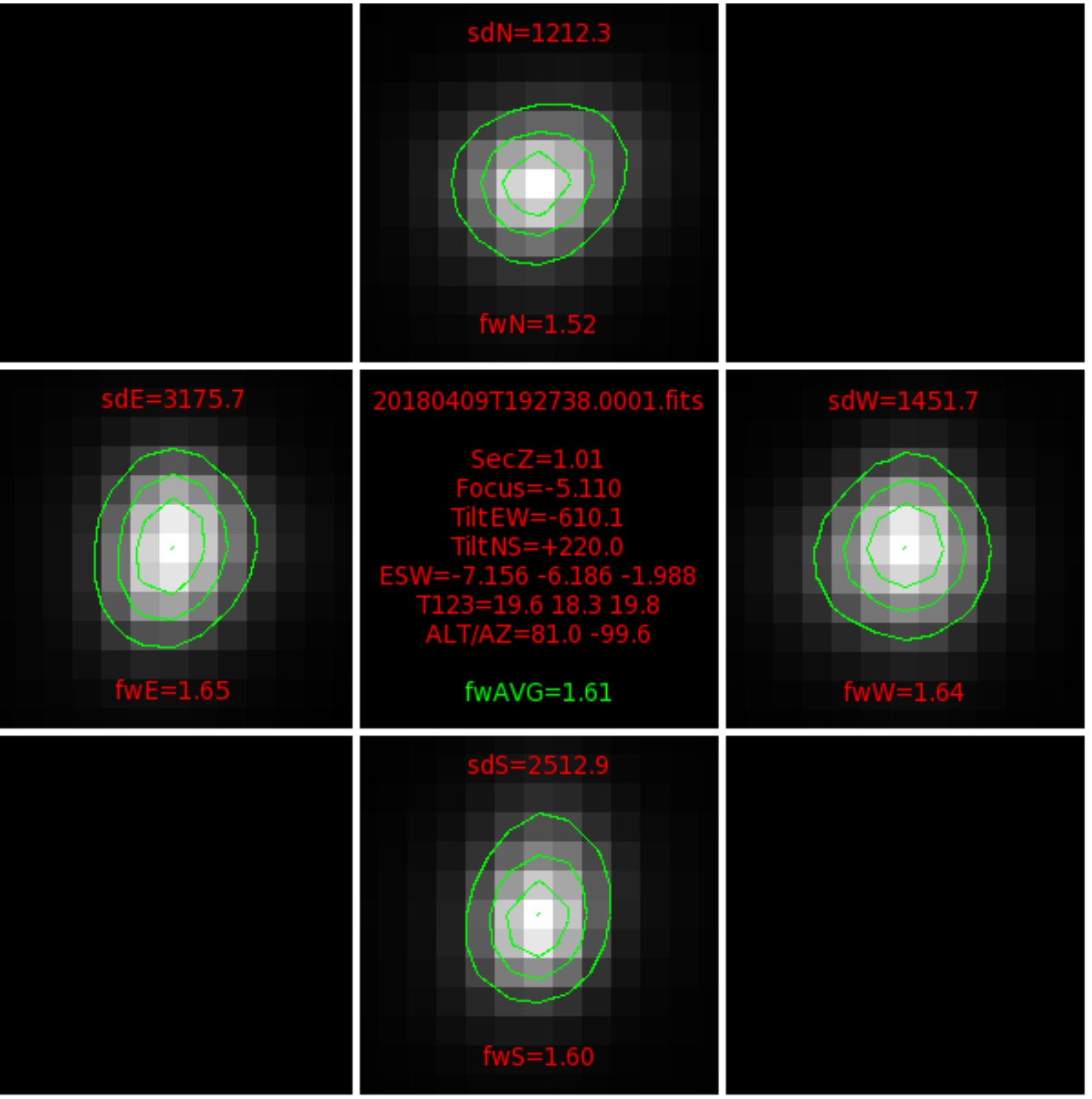
sdN=1212.3
fwN=1.52
sdE=3175.7
fwE=1.65
20180409T192738.0001.fits
SecZ=1.01
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.6 18.3 19.8
ALT/AZ=81.0 -99.6
fwAVG=1.61
sdW=1451.7
fwW=1.64
sdS=2512.9
fwS=1.60
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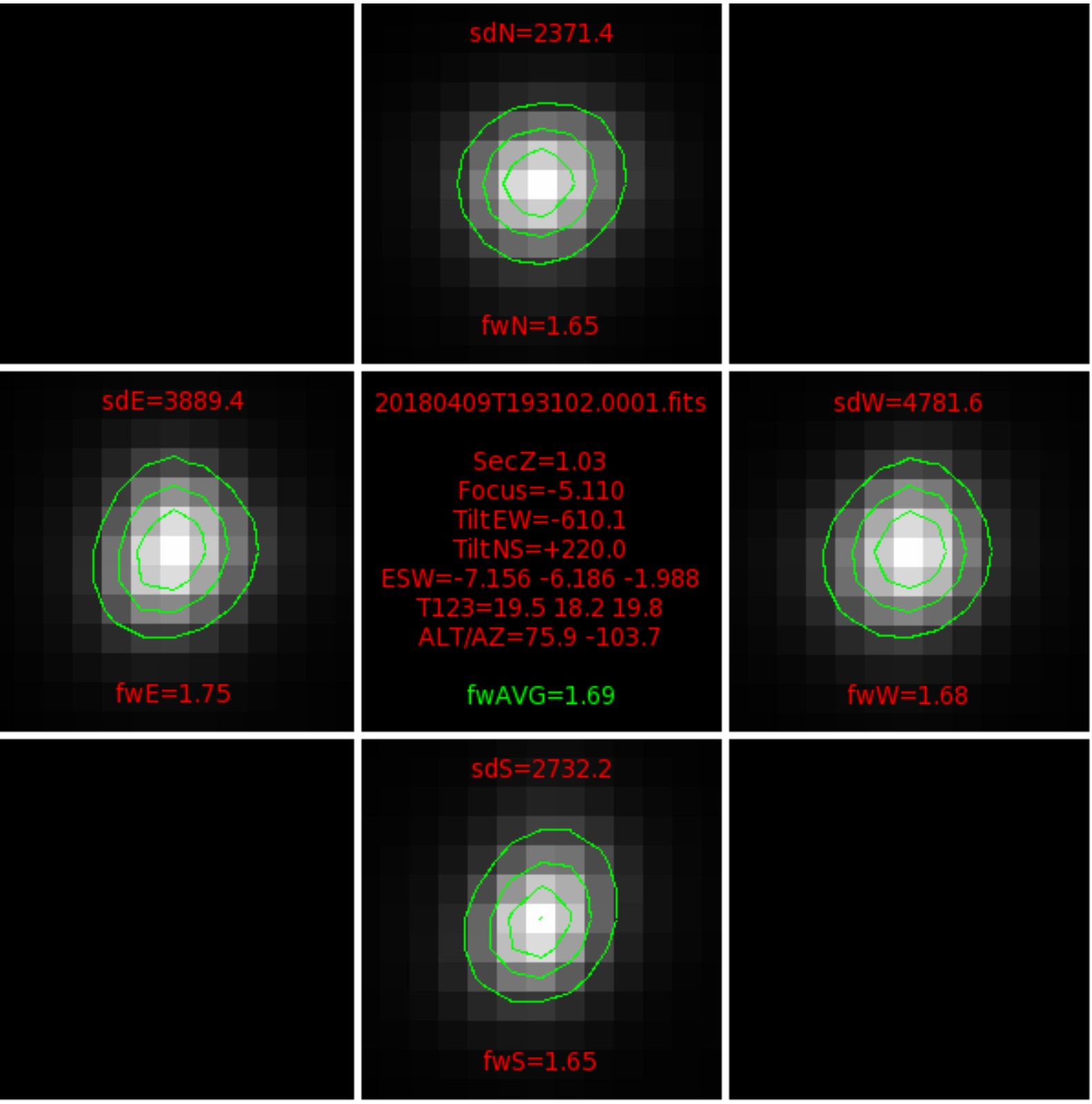
sdN=2371.4
fwN=1.65
sdE=3889.4
fwE=1.75
20180409T193102.0001.fits
SecZ=1.03
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.5 18.2 19.8
ALT/AZ=75.9 -103.7
fwAVG=1.69
sdW=4781.6
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sdS=2732.2
fwS=1.65
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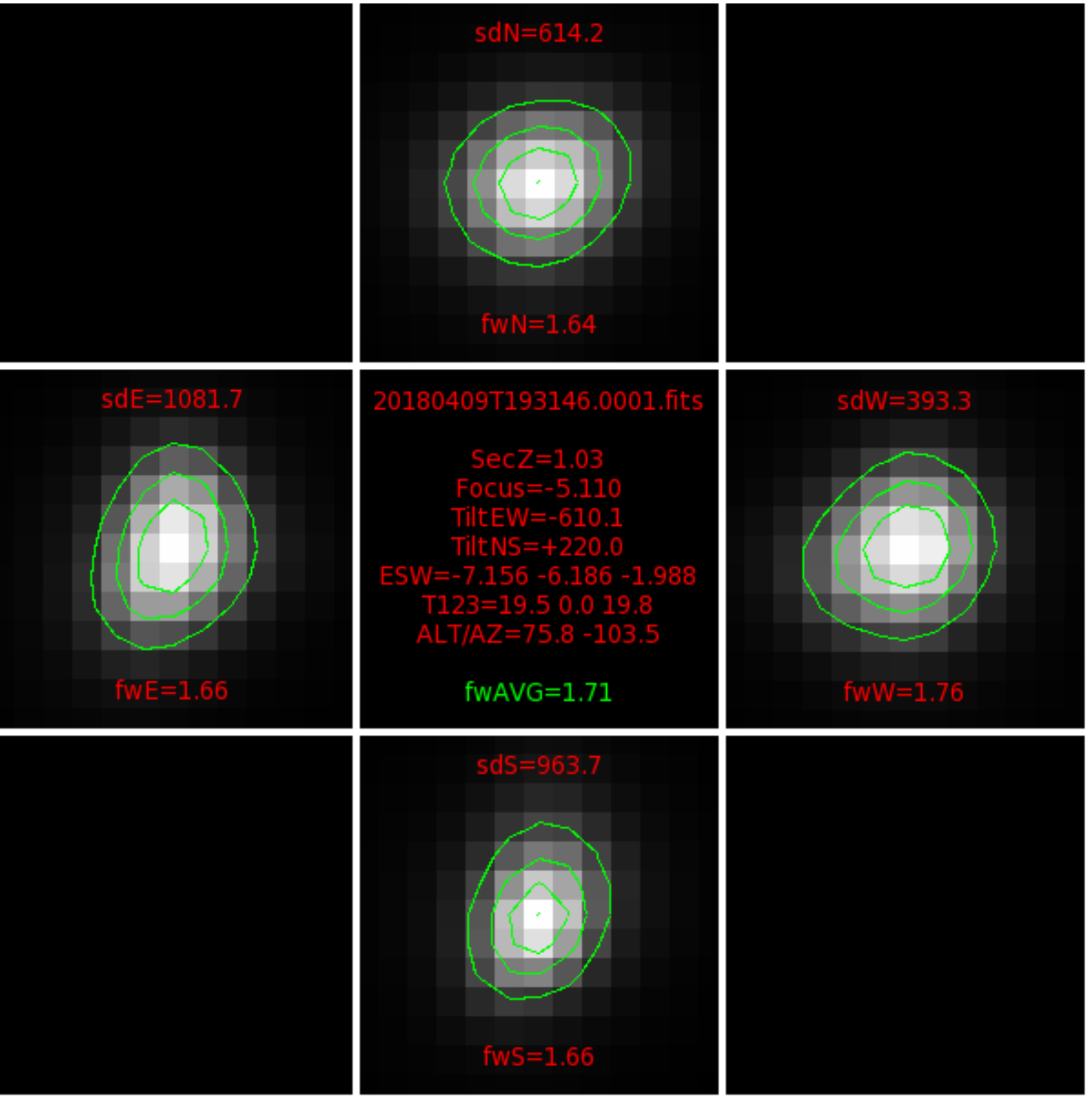
sdN=614.2
fwN=1.64
sdE=1081.7
fwE=1.66
20180409T193146.0001.fits
SecZ=1.03
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.5 0.0 19.8
ALT/AZ=75.8 -103.5
fwAVG=1.71
sdW=393.3
fwW=1.76
sdS=963.7
fwS=1.66
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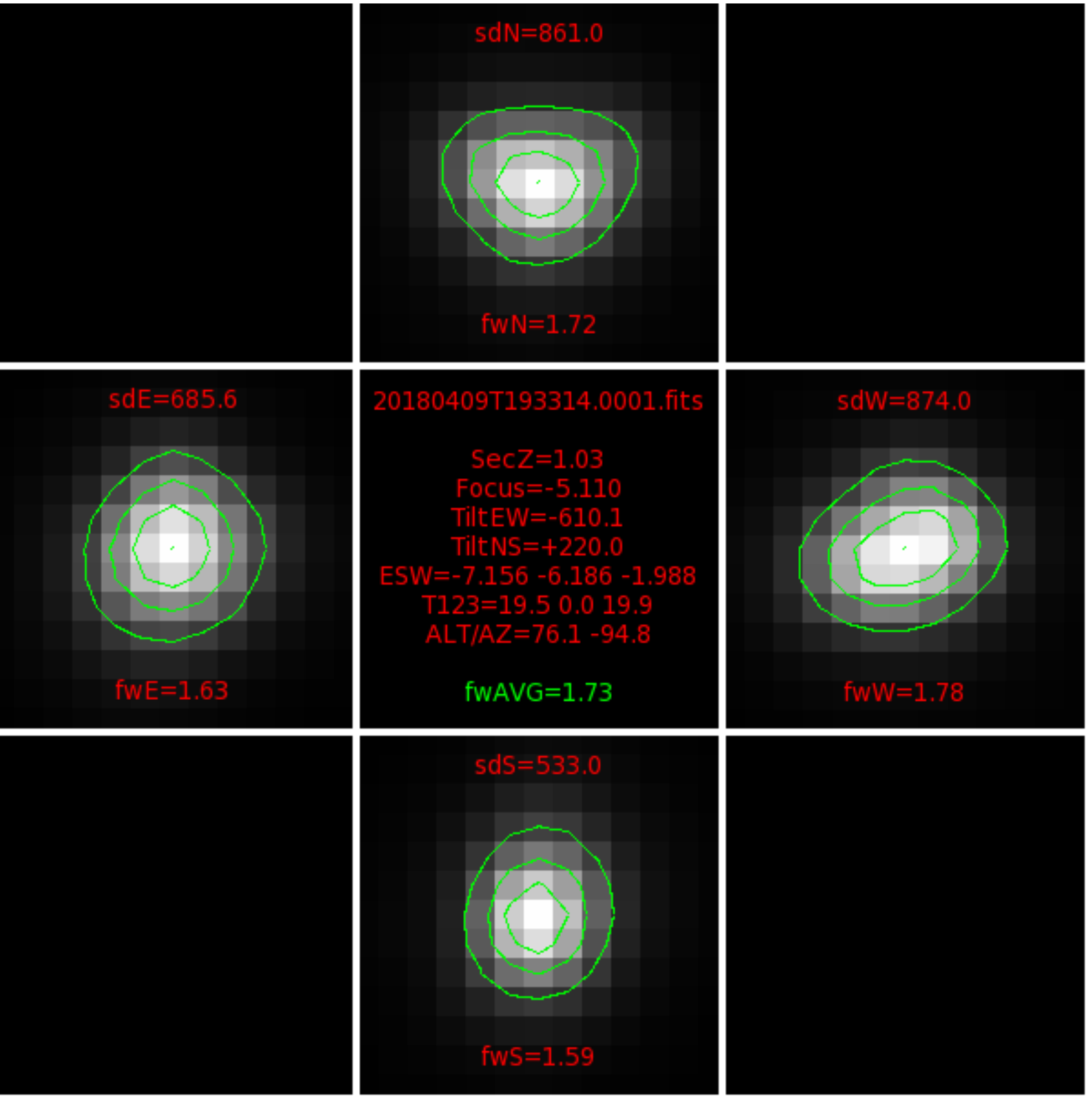
sdN=861.0
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sdE=685.6
fwE=1.63
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SecZ=1.03
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.5 0.0 19.9
ALT/AZ=76.1 -94.8
fwAVG=1.73
sdW=874.0
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sdS=533.0
fwS=1.59
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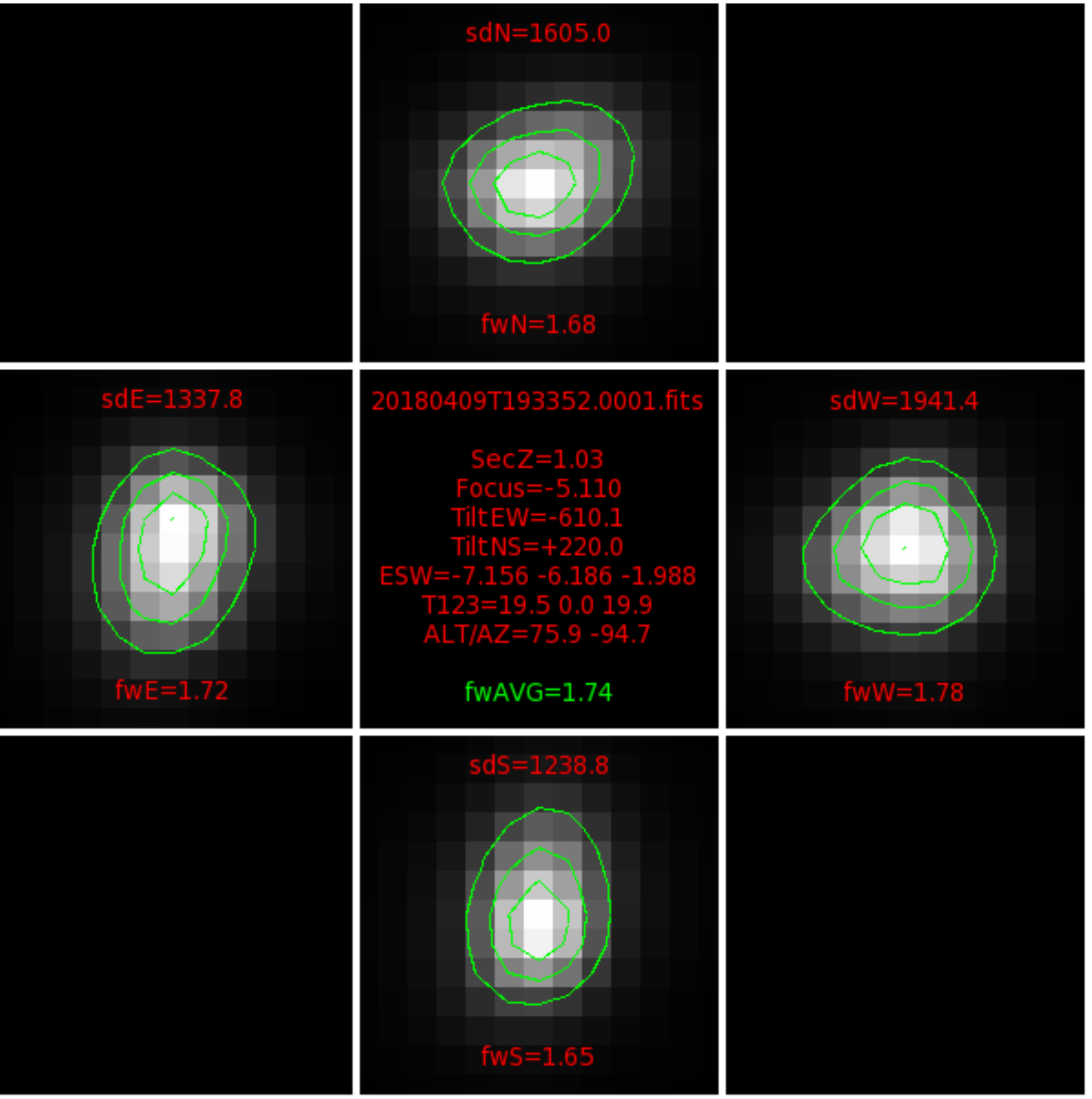
sdN=1605.0
fwN=1.68
sdE=1337.8
fwE=1.72
20180409T193352.0001.fits
SecZ=1.03
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.5 0.0 19.9
ALT/AZ=75.9 -94.7
fwAVG=1.74
sdW=1941.4
fwW=1.78
sdS=1238.8
fwS=1.65
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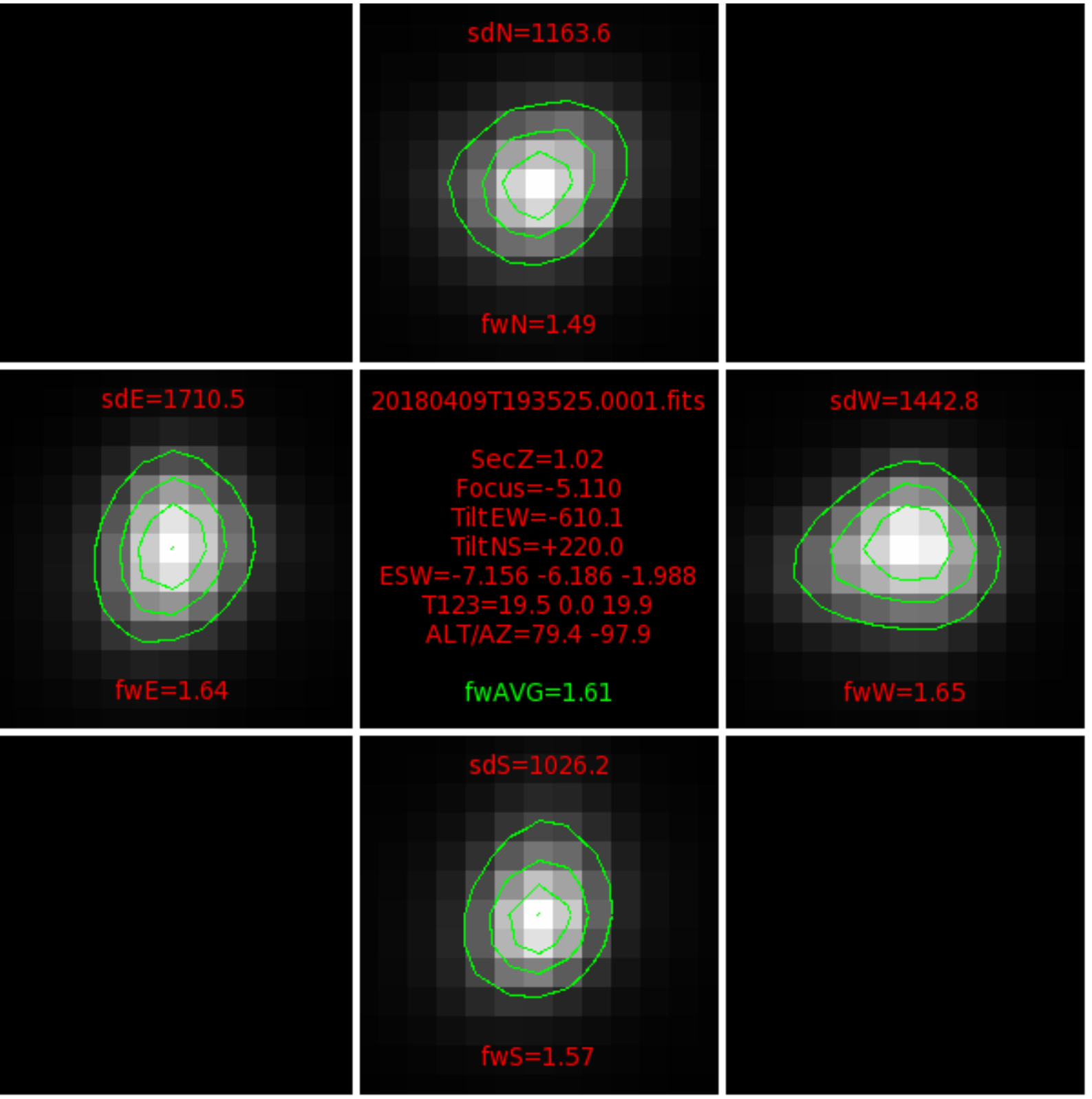
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fwN=1.49
sdE=1710.5
fwE=1.64
20180409T193525.0001.fits
SecZ=1.02
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.5 0.0 19.9
ALT/AZ=79.4 -97.9
fwAVG=1.61
sdW=1442.8
fwW=1.65
sdS=1026.2
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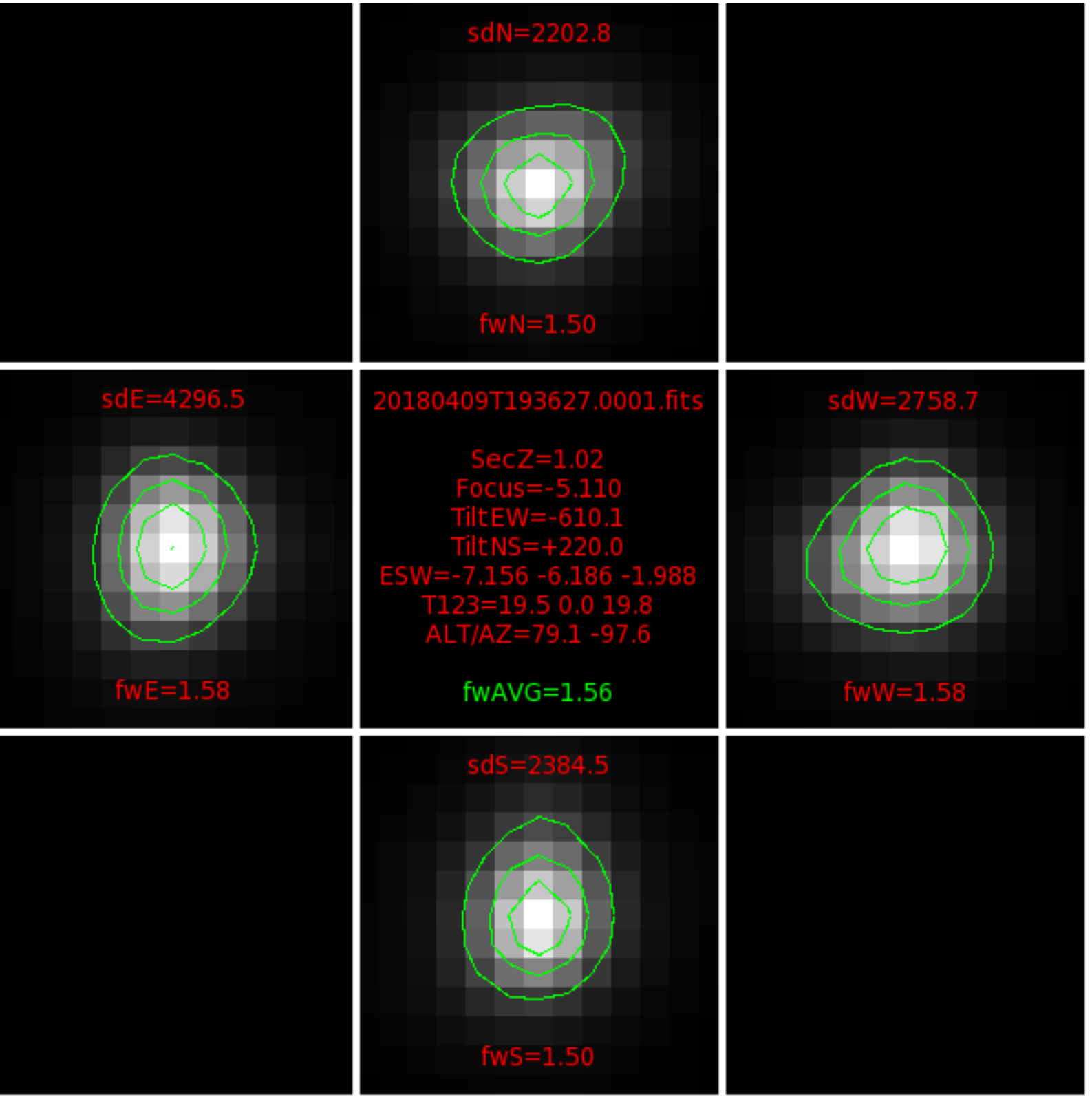
sdN=2202.8
fwN=1.50
sdE=4296.5
fwE=1.58
20180409T193627.0001.fits
SecZ=1.02
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.5 0.0 19.8
ALT/AZ=79.1 -97.6
fwAVG=1.56
sdW=2758.7
fwW=1.58
sdS=2384.5
fwS=1.50
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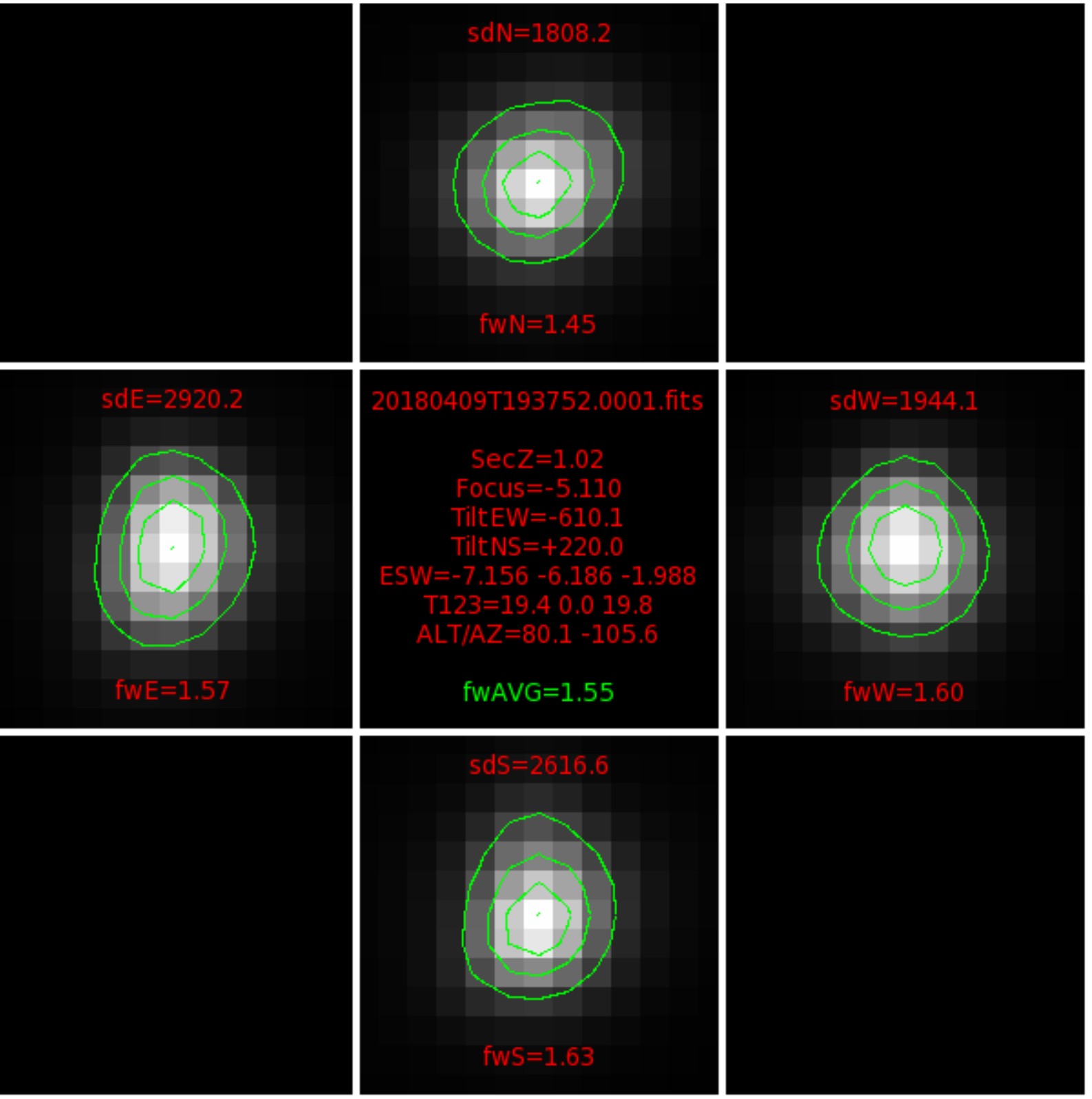
sdN=1808.2
fwN=1.45
sdE=2920.2
fwE=1.57
20180409T193752.0001.fits
SecZ=1.02
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.4 0.0 19.8
ALT/AZ=80.1 -105.6
fwAVG=1.55
sdW=1944.1
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sdS=2616.6
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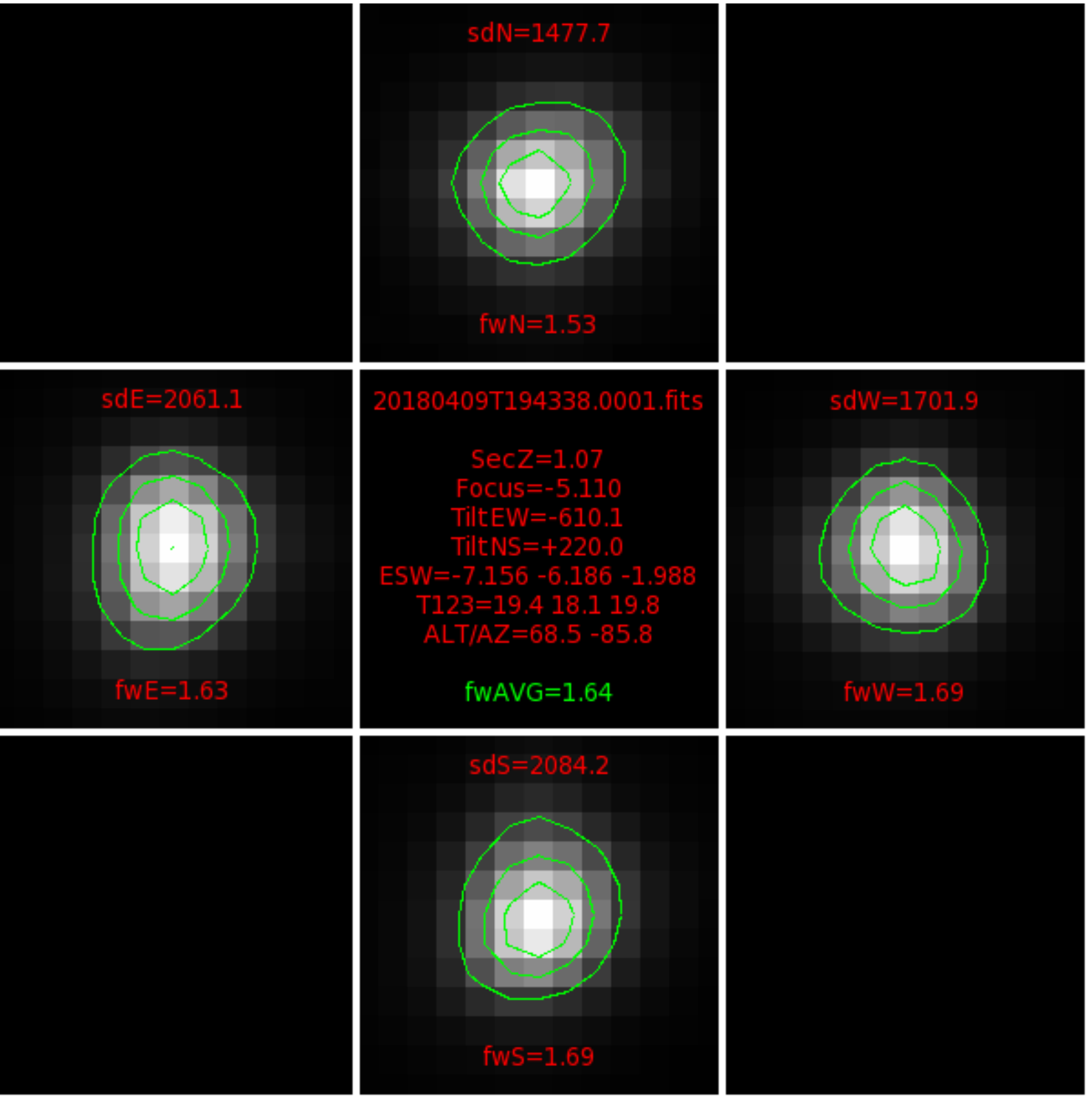
sdN=1477.7
fwN=1.53
sdE=2061.1
fwE=1.63
20180409T194338.0001.fits
SecZ=1.07
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.4 18.1 19.8
ALT/AZ=68.5 -85.8
fwAVG=1.64
sdW=1701.9
fwW=1.69
sdS=2084.2
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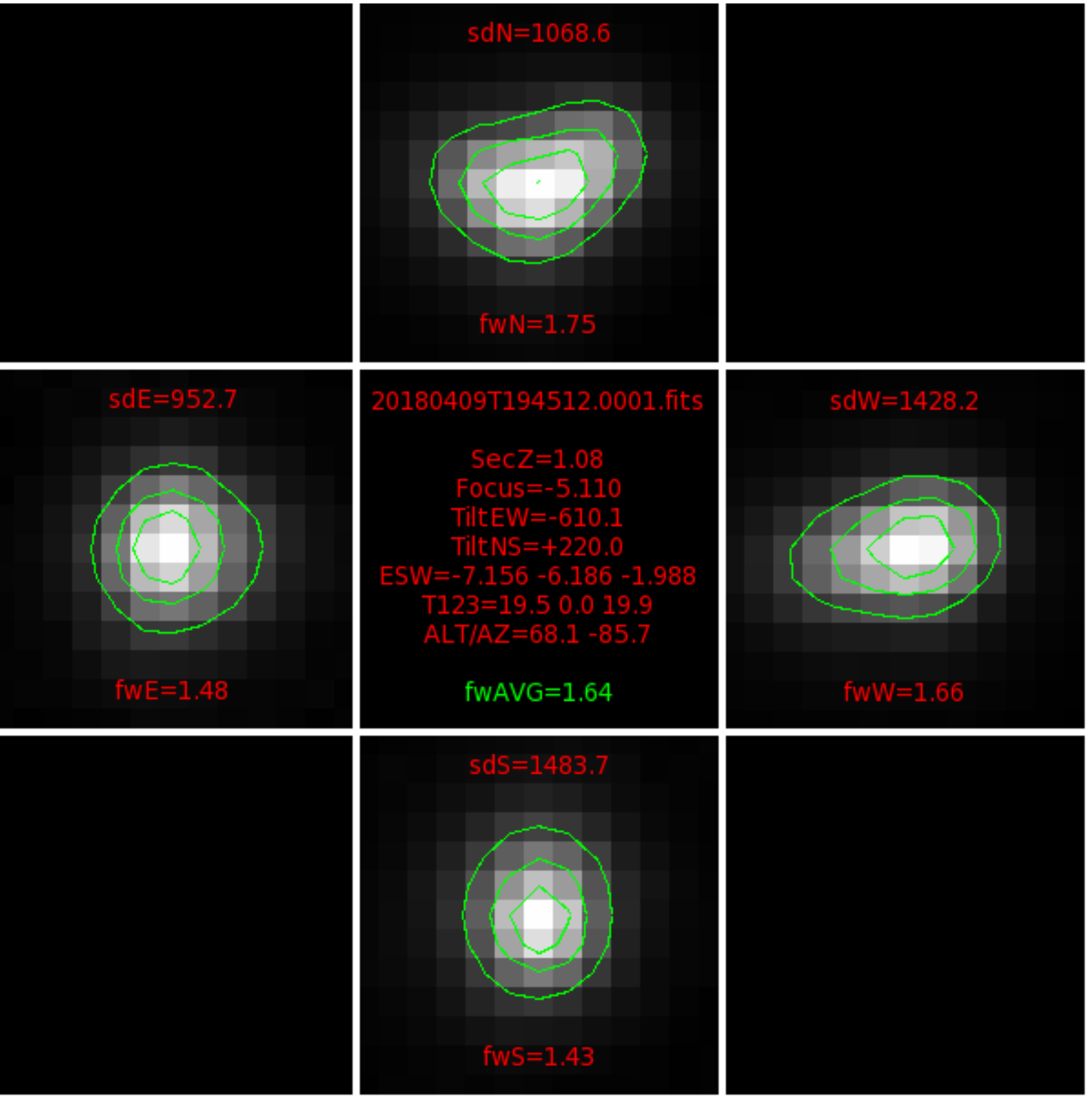
sdN=1068.6
fwN=1.75
sdE=952.7
fwE=1.48
20180409T194512.0001.fits
SecZ=1.08
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.5 0.0 19.9
ALT/AZ=68.1 -85.7
fwAVG=1.64
sdW=1428.2
fwW=1.66
sdS=1483.7
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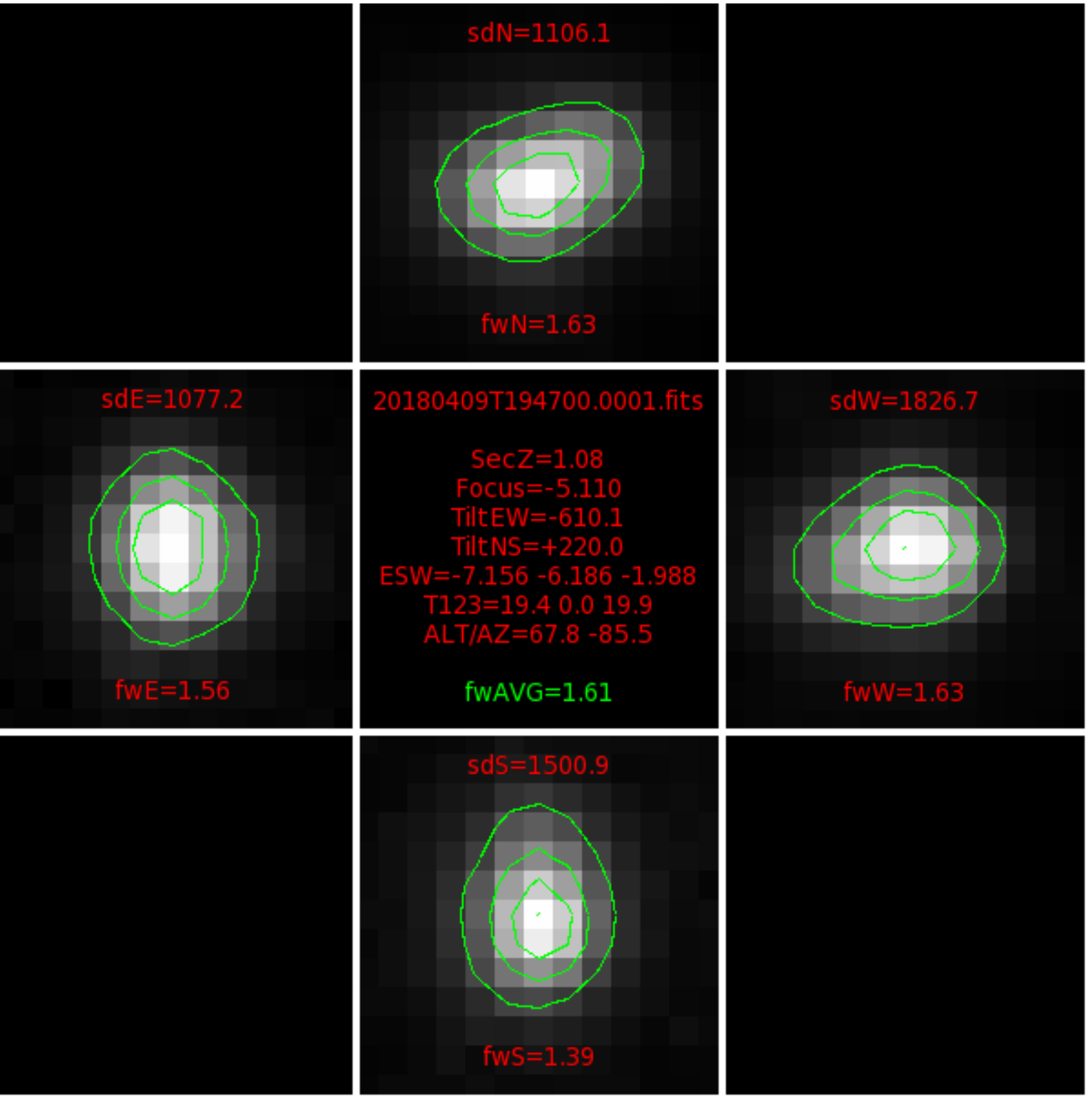
sdN=1106.1
fwN=1.63
sdE=1077.2
fwE=1.56
20180409T194700.0001.fits
SecZ=1.08
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.4 0.0 19.9
ALT/AZ=67.8 -85.5
fwAVG=1.61
sdW=1826.7
fwW=1.63
sdS=1500.9
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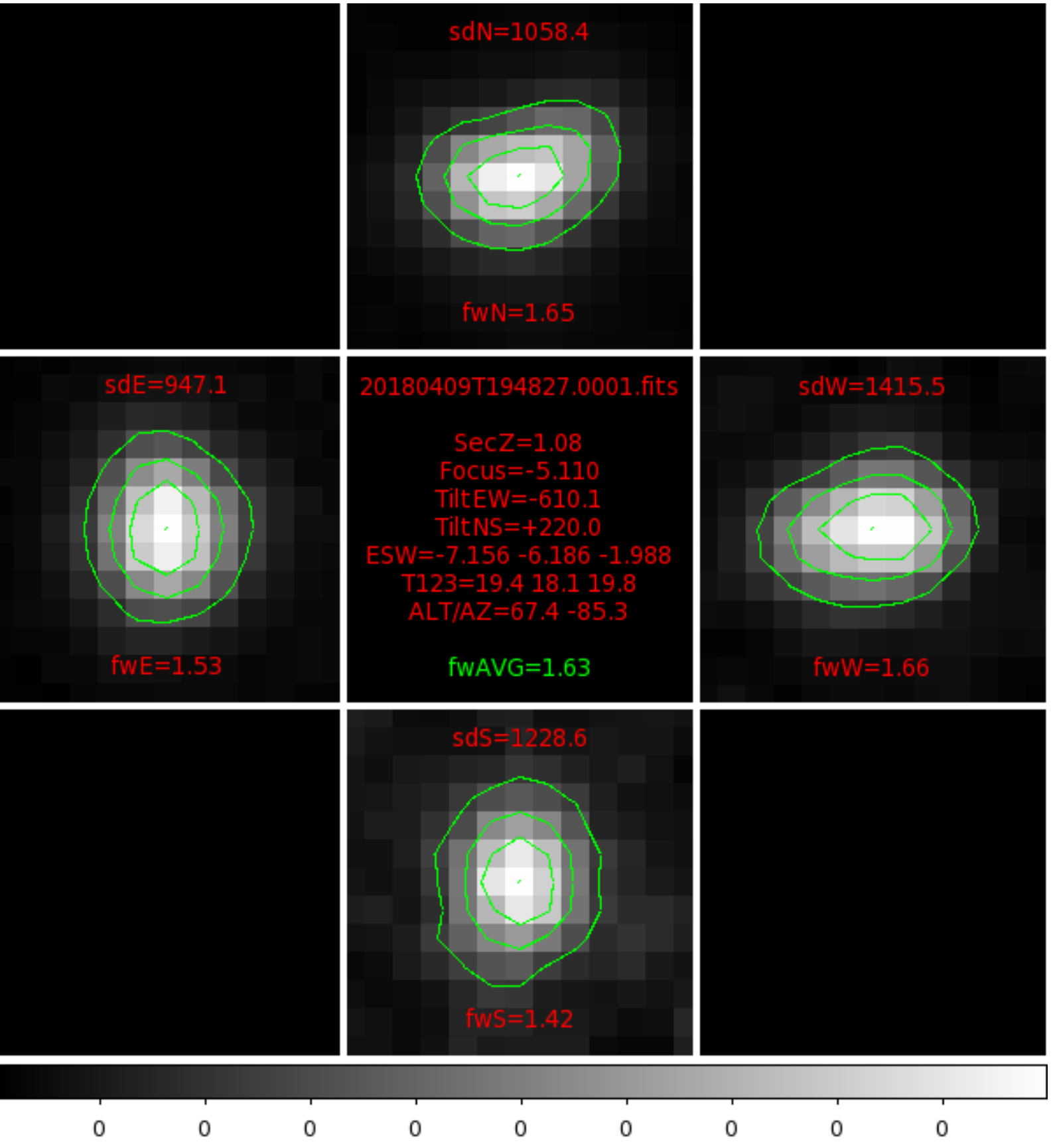
sdN=1058.4
fwN=1.65
sdE=947.1
fwE=1.53
20180409T194827.0001.fits
SecZ=1.08
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.4 18.1 19.8
ALT/AZ=67.4 -85.3
fwAVG=1.63
sdW=1415.5
fwW=1.66
sdS=1228.6
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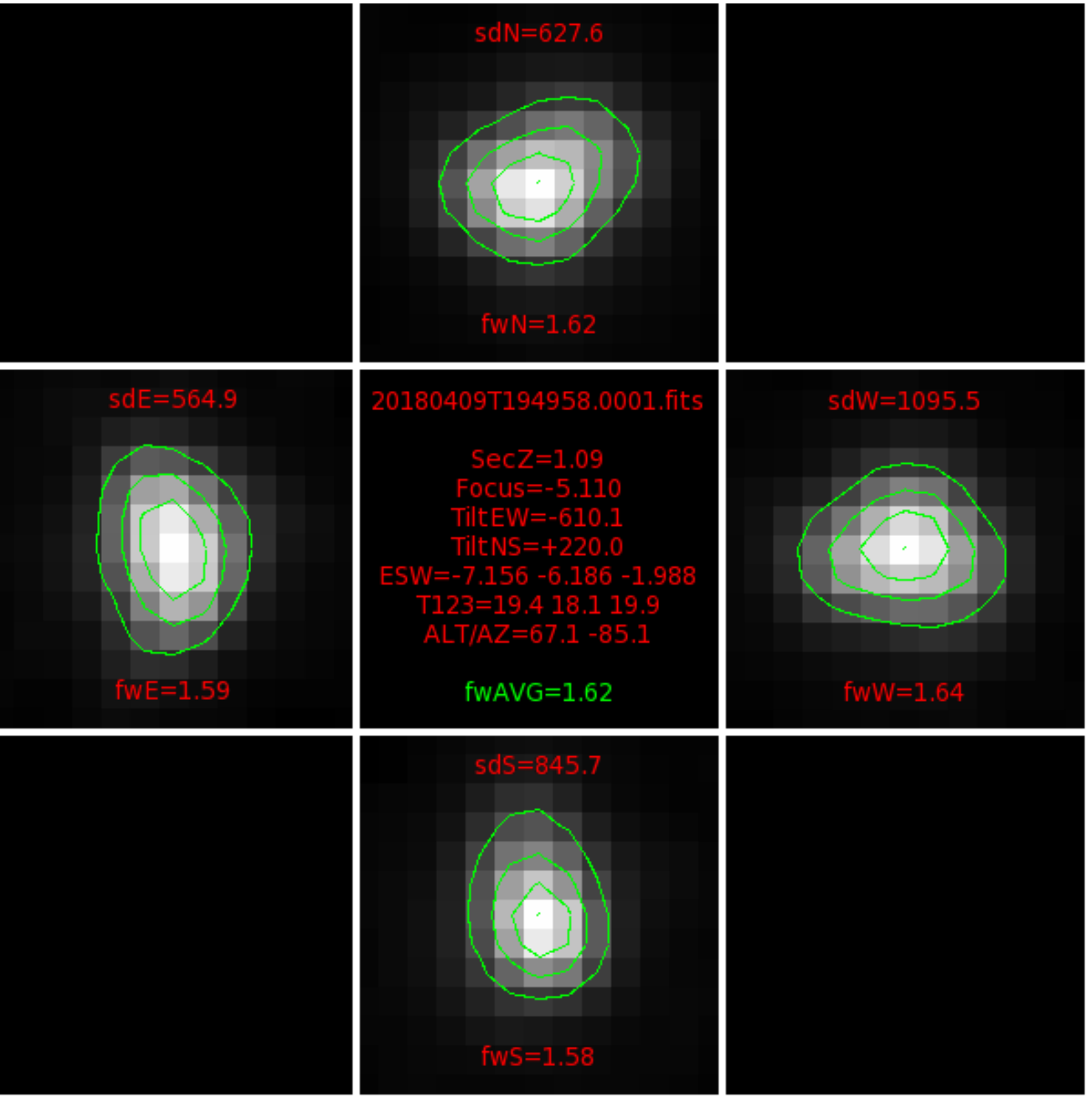
sdN=627.6
fwN=1.62
sdE=564.9
fwE=1.59
20180409T194958.0001.fits
SecZ=1.09
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.4 18.1 19.9
ALT/AZ=67.1 -85.1
fwAVG=1.62
sdW=1095.5
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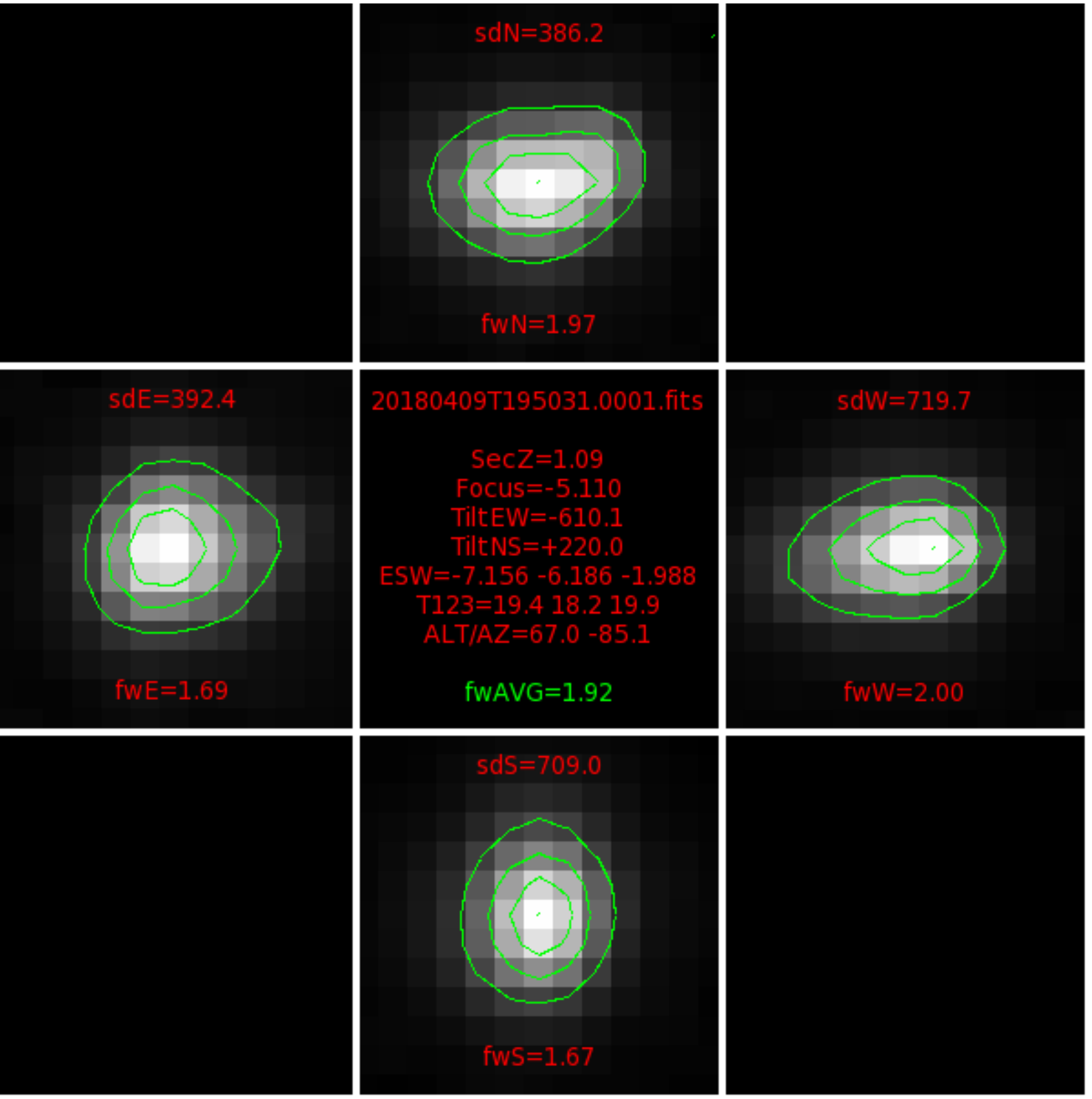
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fwN=1.97
sdE=392.4
fwE=1.69
20180409T195031.0001.fits
SecZ=1.09
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.4 18.2 19.9
ALT/AZ=67.0 -85.1
fwAVG=1.92
sdW=719.7
fwW=2.00
sdS=709.0
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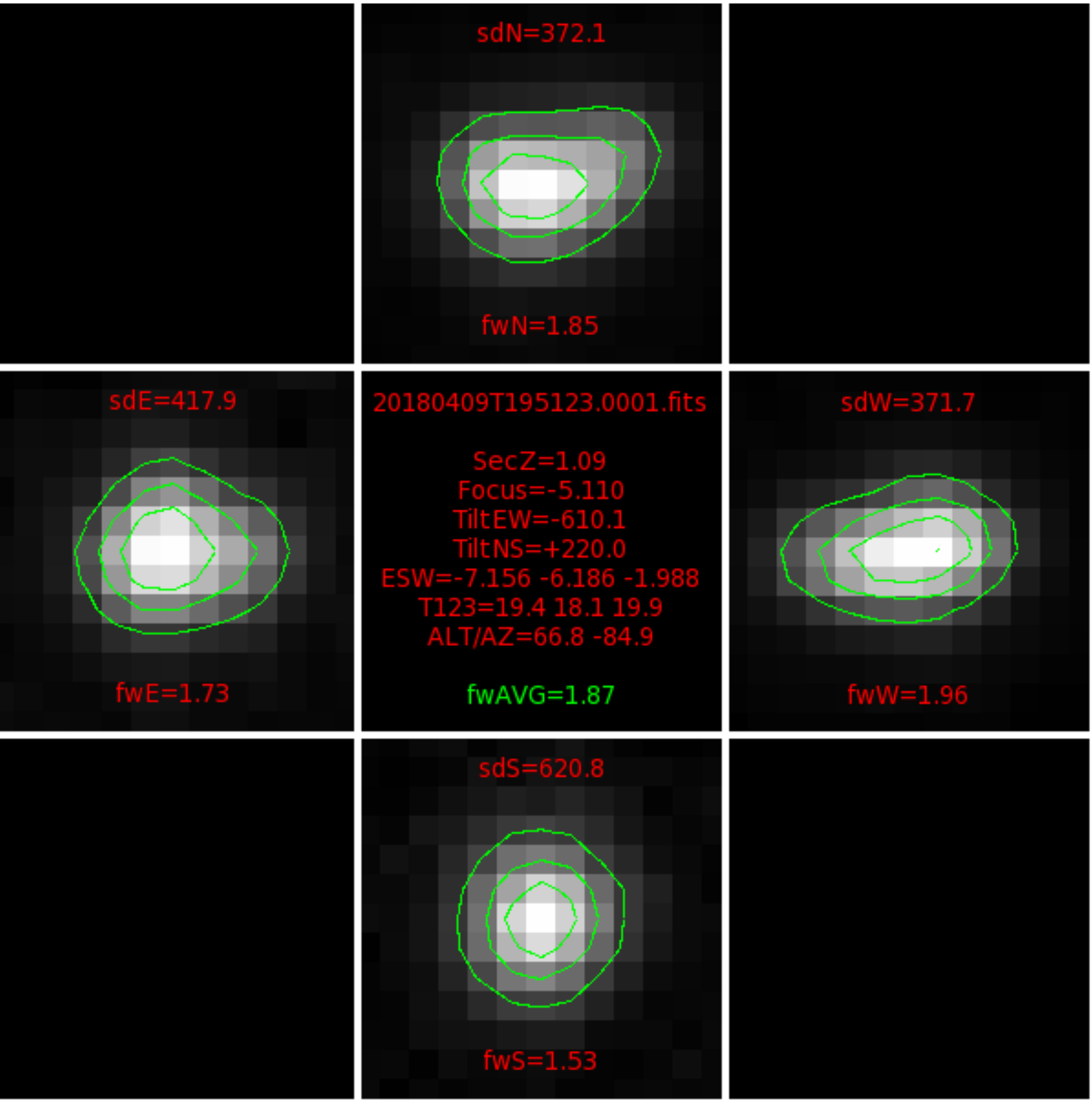
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fwN=1.85
sdE=417.9
fwE=1.73
20180409T195123.0001.fits
SecZ=1.09
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.4 18.1 19.9
ALT/AZ=66.8 -84.9
fwAVG=1.87
sdW=371.7
fwW=1.96
sdS=620.8
fwS=1.53
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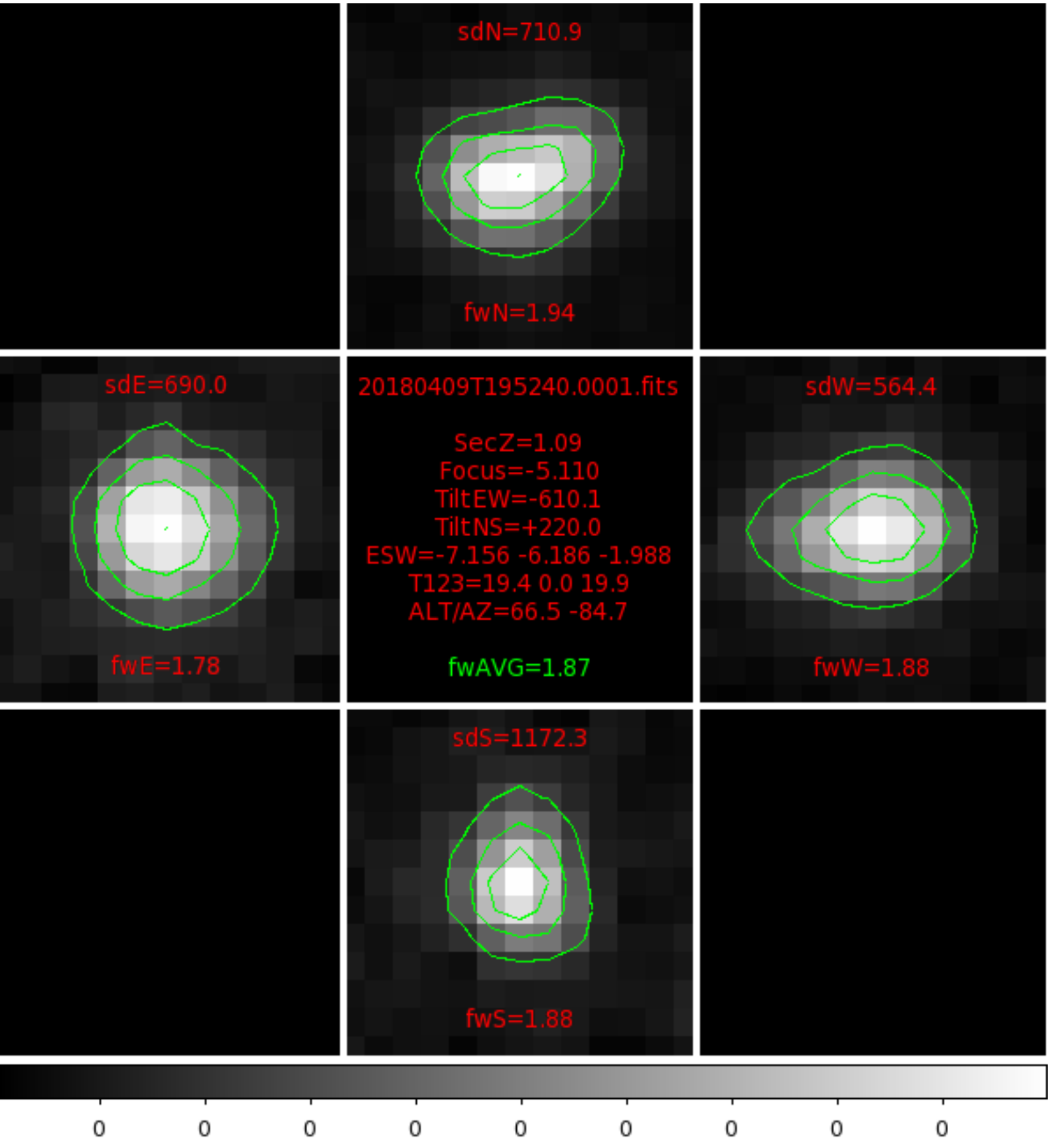
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fwN=1.94
sdE=690.0
fwE=1.78
20180409T195240.0001.fits
SecZ=1.09
Focus=-5.110
TiltEW=-610.1
TiltNS=+220.0
ESW=-7.156 -6.186 -1.988
T123=19.4 0.0 19.9
ALT/AZ=66.5 -84.7
fwAVG=1.87
sdW=564.4
fwW=1.88
sdS=1172.3
fwS=1.88
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