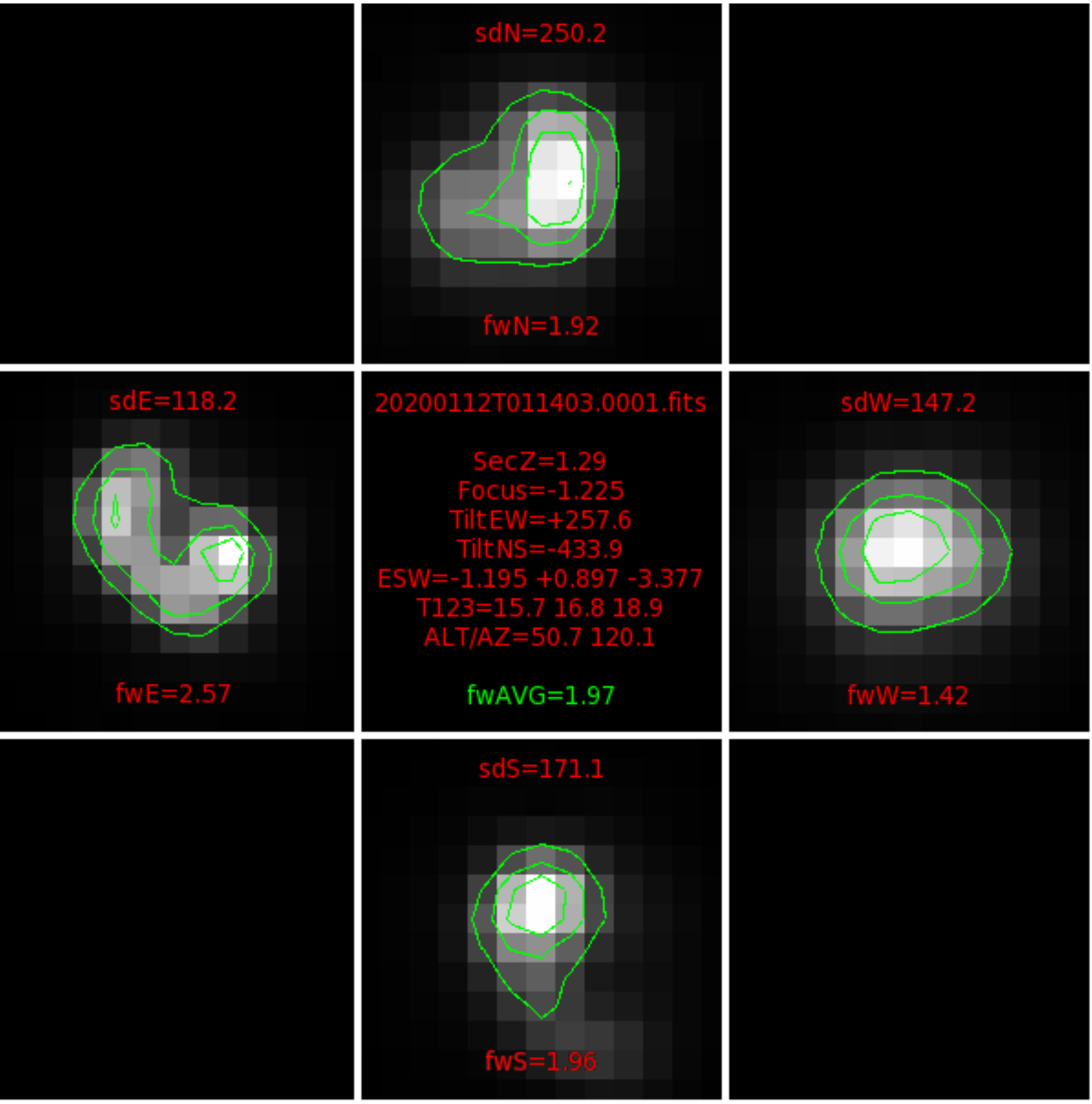
sdN=250.2
fwN=1.92
sdE=118.2
fwE=2.57
20200112T011403.0001.fits
SecZ=1.29
Focus=-1.225
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.195 +0.897 -3.377
T123=15.7 16.8 18.9
ALT/AZ=50.7 120.1
fwAVG=1.97
sdW=147.2
fwW=1.42
sdS=171.1
fwS=1.96
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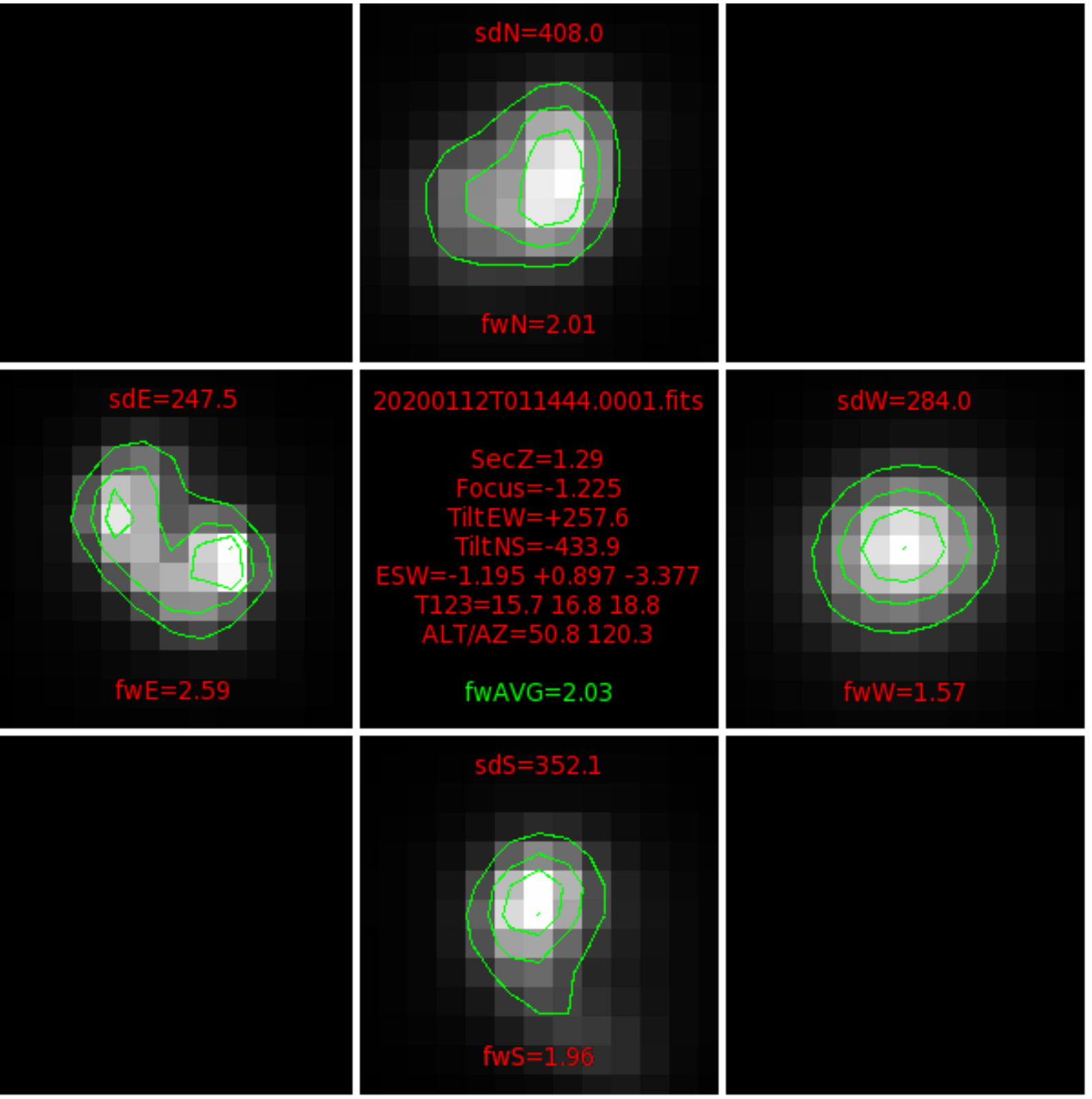
sdN=408.0
fwN=2.01
sdE=247.5
fwE=2.59
20200112T011444.0001.fits
SecZ=1.29
Focus=-1.225
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.195 +0.897 -3.377
T123=15.7 16.8 18.8
ALT/AZ=50.8 120.3
fwAVG=2.03
sdW=284.0
fwW=1.57
sdS=352.1
fwS=1.96
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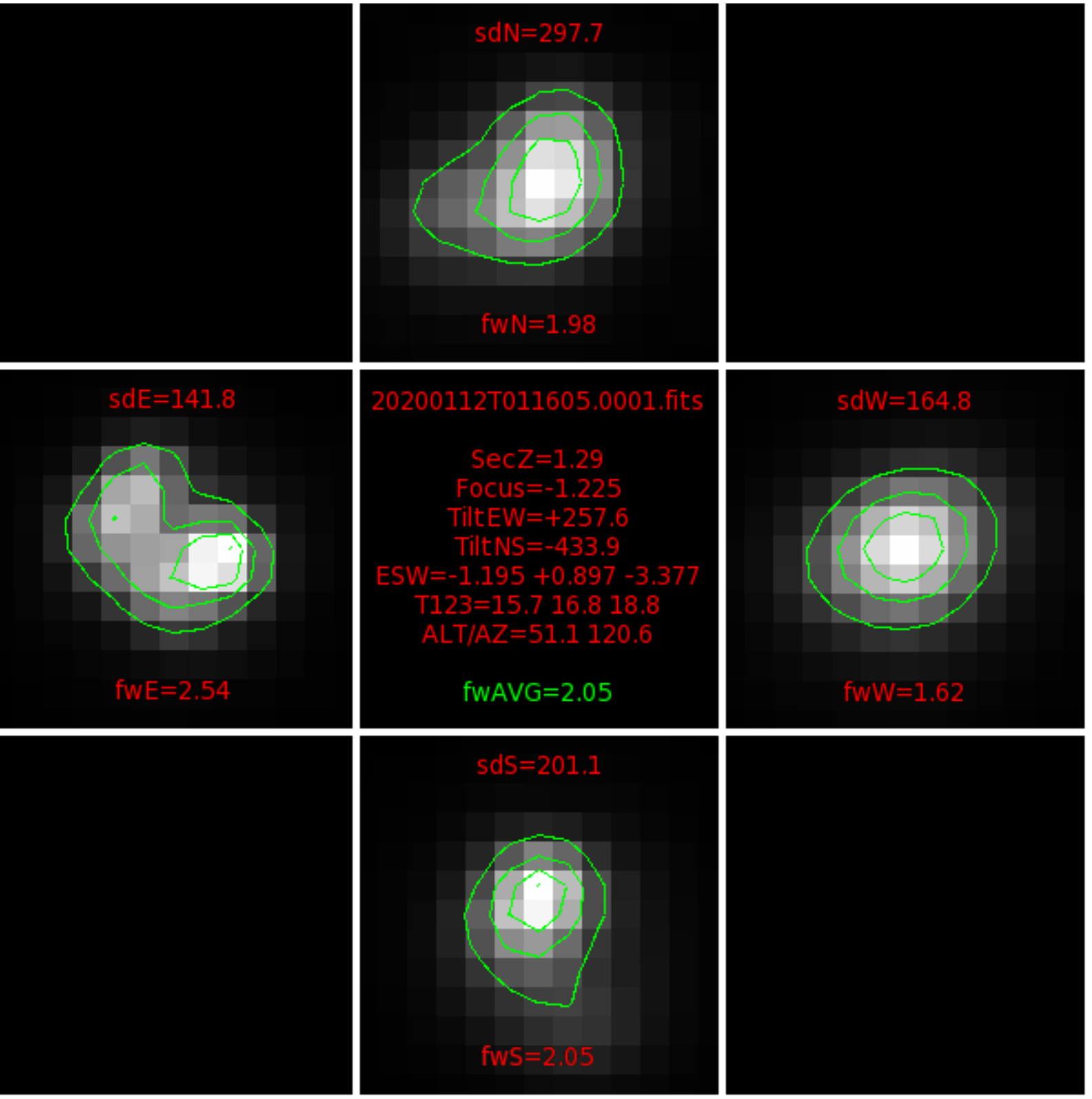
sdN=297.7
fwN=1.98
sdE=141.8
fwE=2.54
20200112T011605.0001.fits
SecZ=1.29
Focus=-1.225
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.195 +0.897 -3.377
T123=15.7 16.8 18.8
ALT/AZ=51.1 120.6
fwAVG=2.05
sdW=164.8
fwW=1.62
sdS=201.1
fwS=2.05
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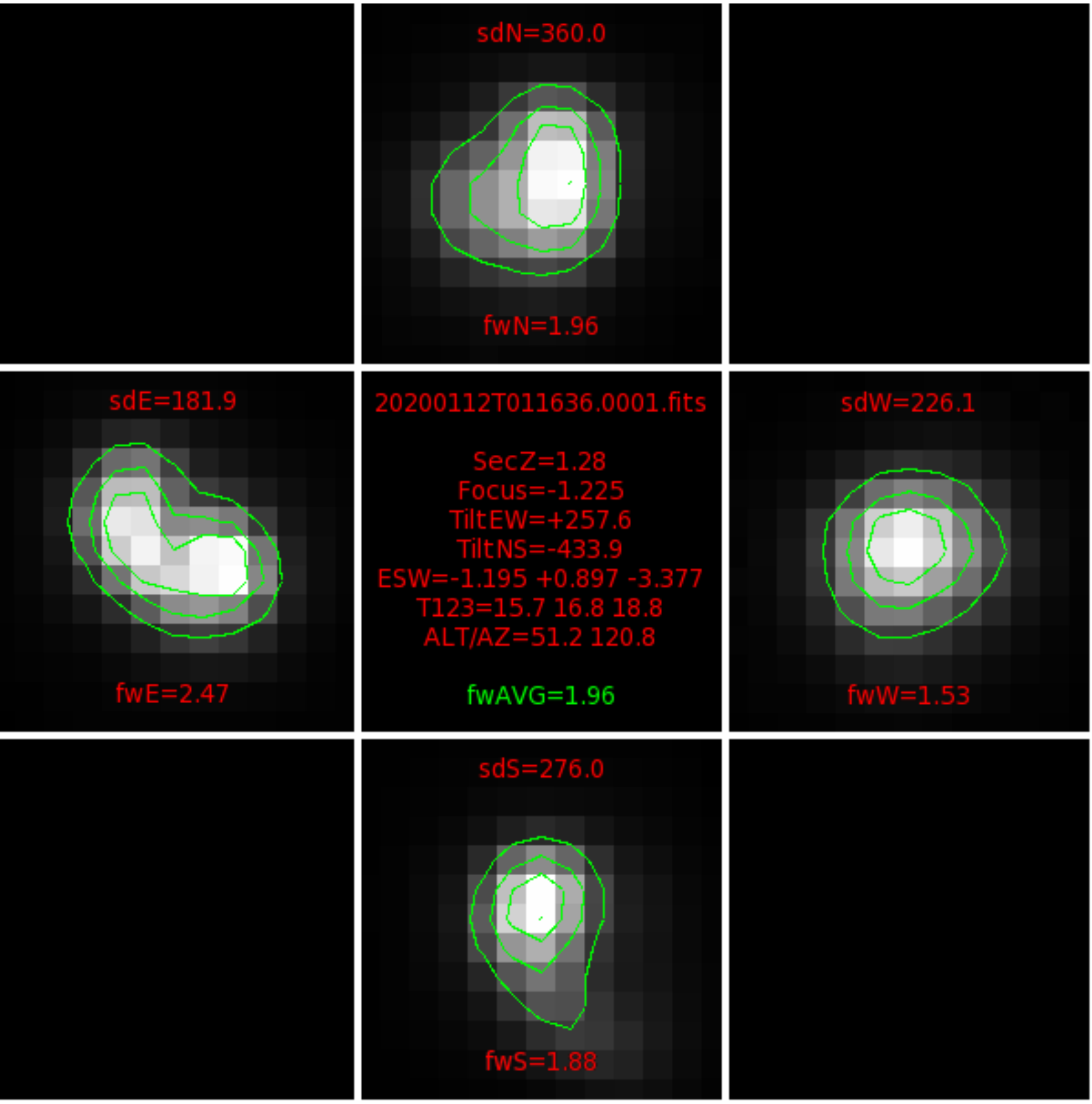
sdN=360.0
fwN=1.96
sdE=181.9
fwE=2.47
20200112T011636.0001.fits
SecZ=1.28
Focus=-1.225
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.195 +0.897 -3.377
T123=15.7 16.8 18.8
ALT/AZ=51.2 120.8
fwAVG=1.96
sdW=226.1
fwW=1.53
sdS=276.0
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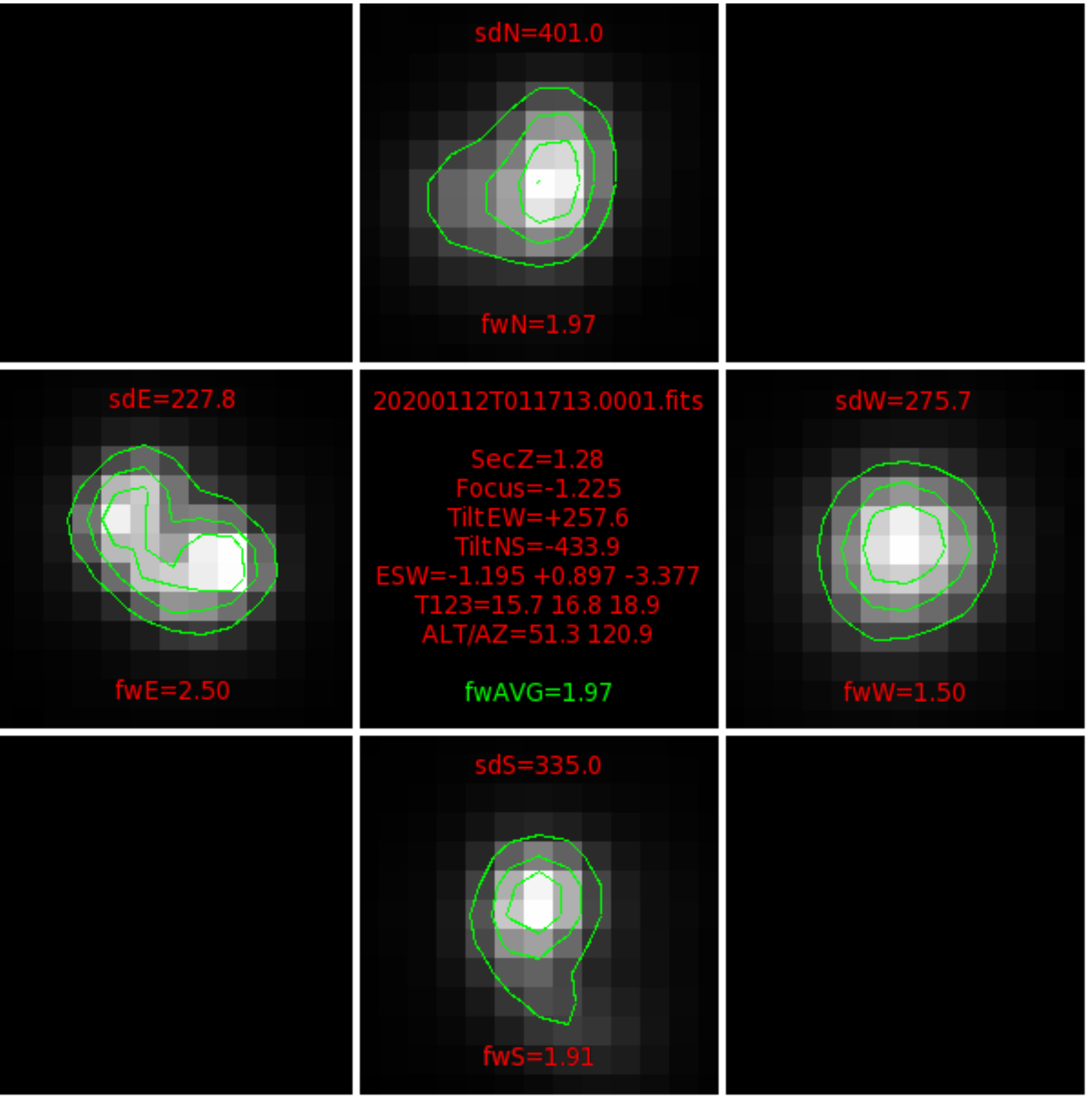
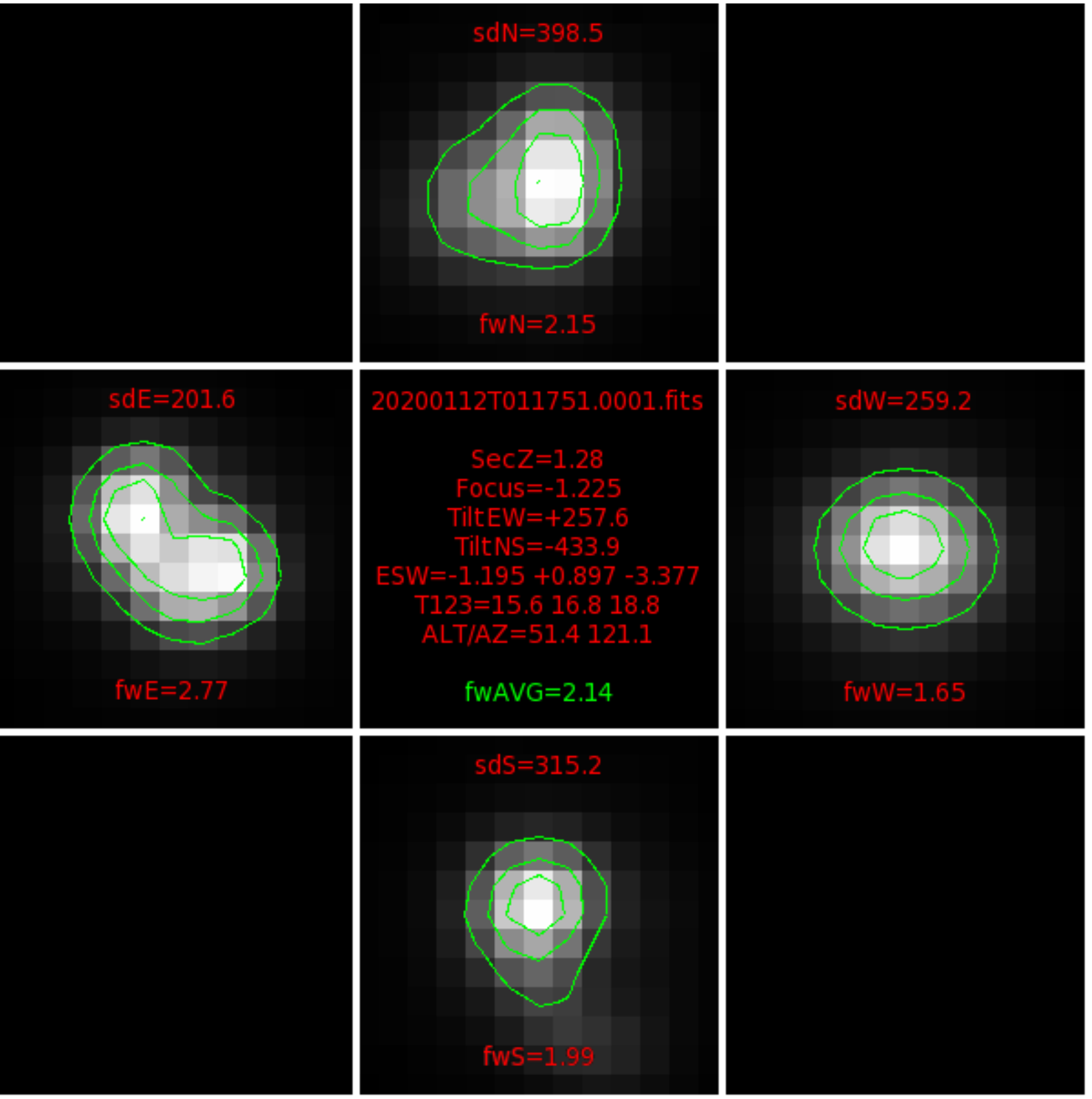

sdN=401.0
fwN=1.97
sdE=227.8
fwE=2.50
20200112T011713.0001.fits
SecZ=1.28
Focus=-1.225
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.195 +0.897 -3.377
T123=15.7 16.8 18.9
ALT/AZ=51.3 120.9
fwAVG=1.97
sdW=275.7
fwW=1.50
sdS=335.0
fwS=1.91
0 0 0 0 0 0 0 0 0


sdN=398.5
fwN=2.15
sdE=201.6
fwE=2.77
20200112T011751.0001.fits
SecZ=1.28
Focus=-1.225
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.195 +0.897 -3.377
T123=15.6 16.8 18.8
ALT/AZ=51.4 121.1
fwAVG=2.14
sdW=259.2
fwW=1.65
sdS=315.2
fwS=1.99
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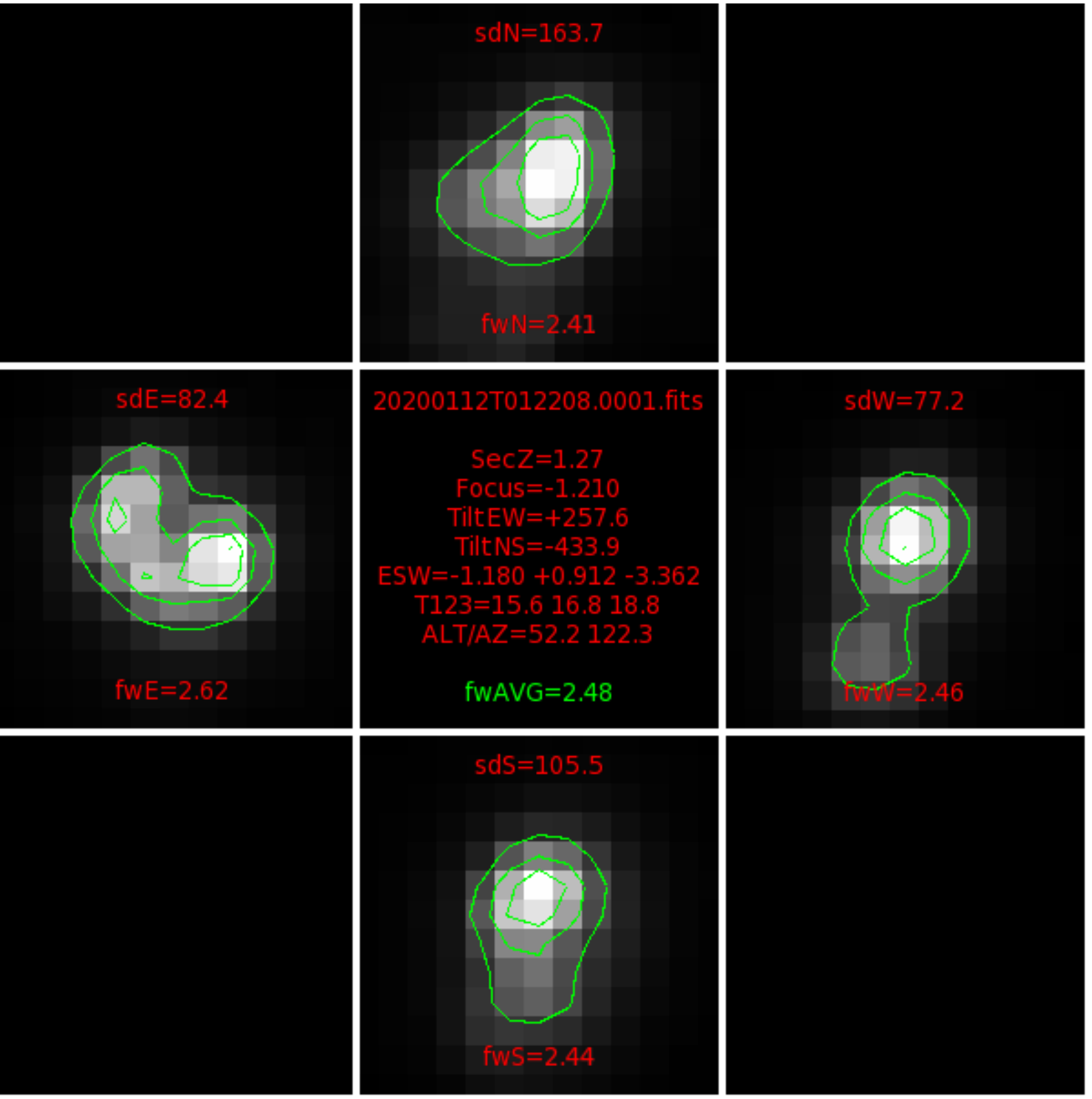
sdN=163.7
fwN=2.41
sdE=82.4
fwE=2.62
20200112T012208.0001.fits
SecZ=1.27
Focus=-1.210
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.180 +0.912 -3.362
T123=15.6 16.8 18.8
ALT/AZ=52.2 122.3
fwAVG=2.48
sdW=77.2
fwW=2.46
sdS=105.5
fwS=2.44
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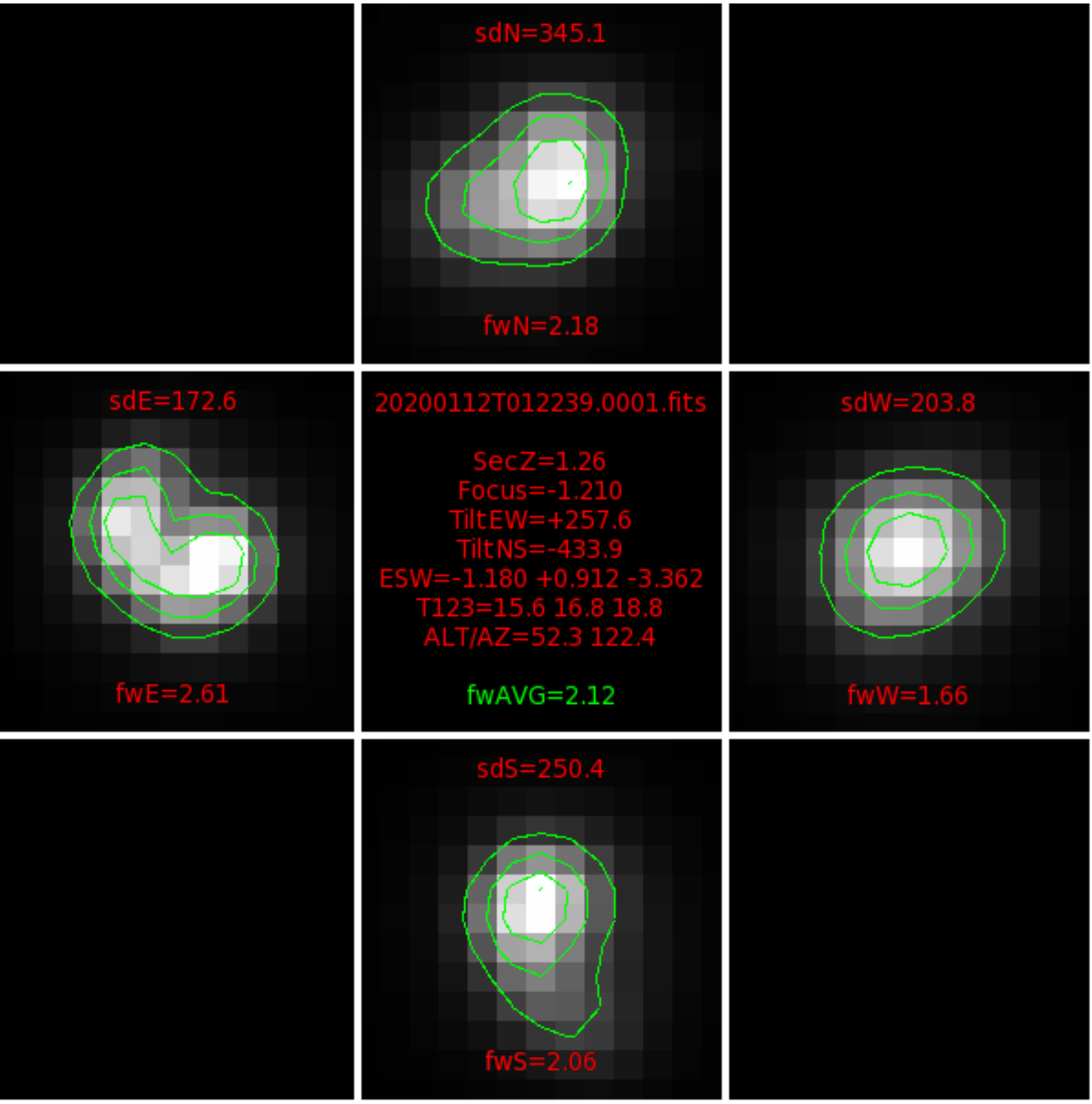
sdN=345.1
fwN=2.18
sdE=172.6
fwE=2.61
20200112T012239.0001.fits
SecZ=1.26
Focus=-1.210
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.180 +0.912 -3.362
T123=15.6 16.8 18.8
ALT/AZ=52.3 122.4
fwAVG=2.12
sdW=203.8
fwW=1.66
sdS=250.4
fwS=2.06
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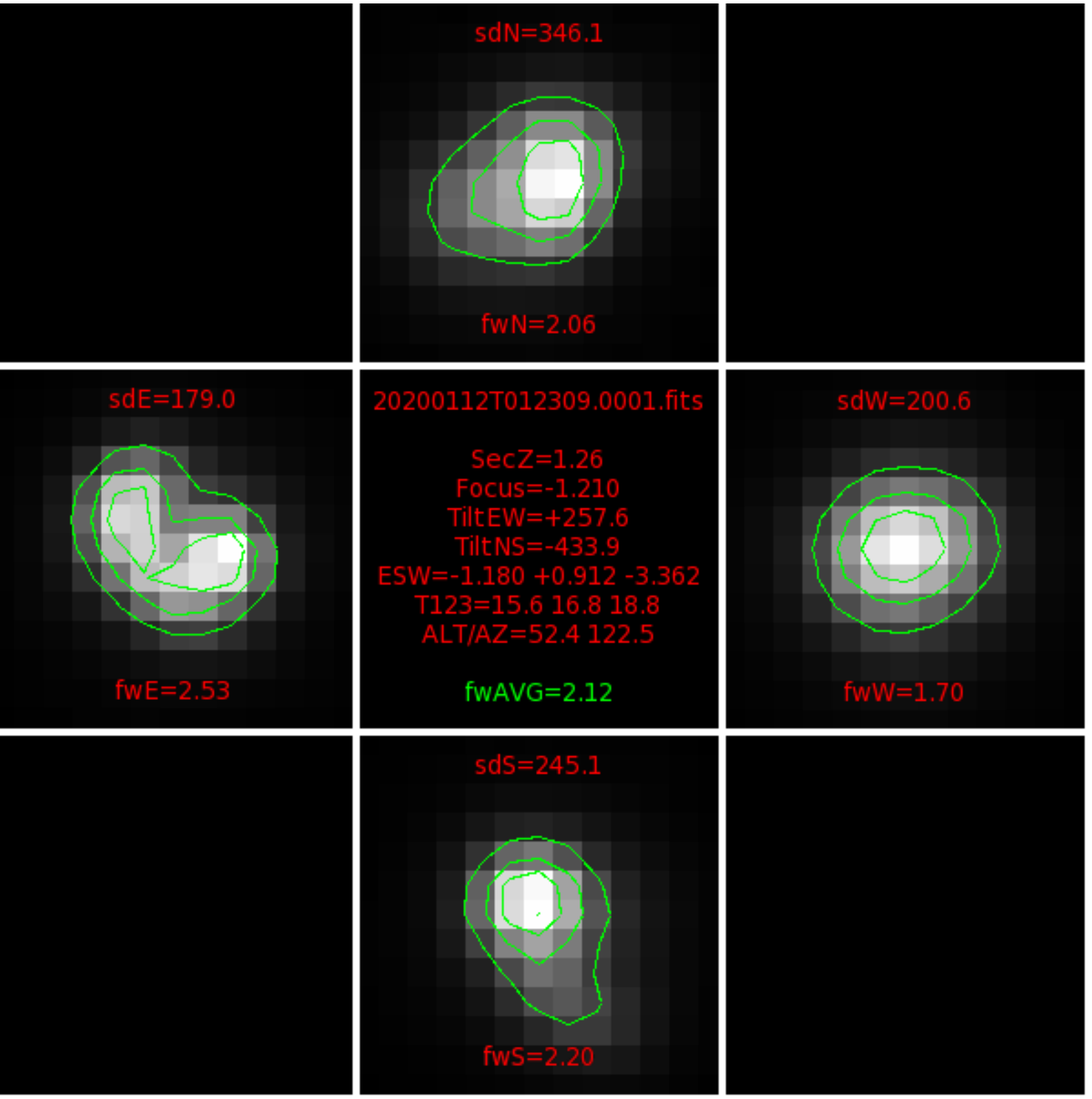
sdN=346.1
fwN=2.06
sdE=179.0
fwE=2.53
20200112T012309.0001.fits
SecZ=1.26
Focus=-1.210
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.180 +0.912 -3.362
T123=15.6 16.8 18.8
ALT/AZ=52.4 122.5
fwAVG=2.12
sdW=200.6
fwW=1.70
sdS=245.1
fwS=2.20
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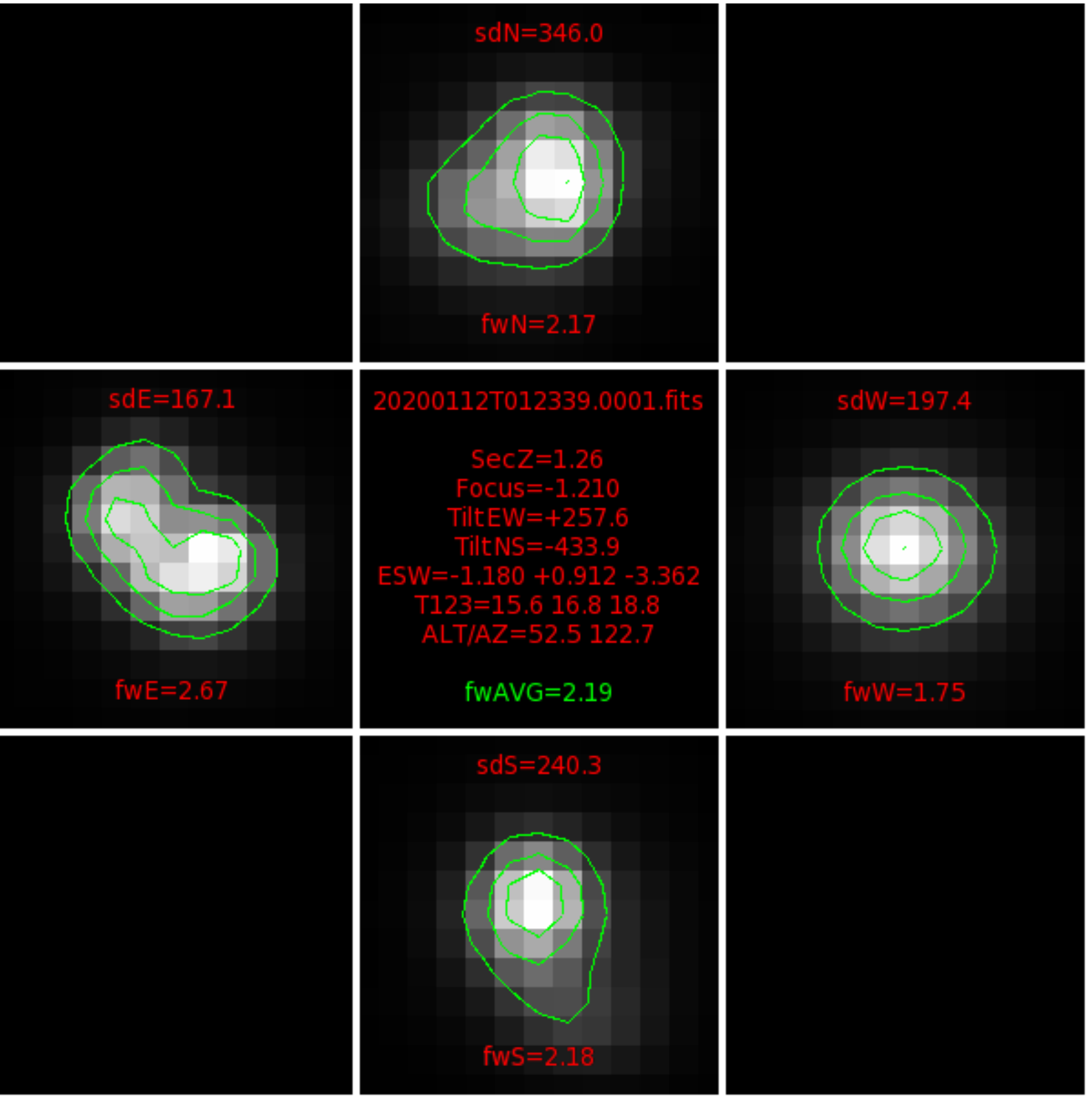
sdN=346.0
fwN=2.17
sdE=167.1
fwE=2.67
20200112T012339.0001.fits
SecZ=1.26
Focus=-1.210
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.180 +0.912 -3.362
T123=15.6 16.8 18.8
ALT/AZ=52.5 122.7
fwAVG=2.19
sdW=197.4
fwW=1.75
sdS=240.3
fwS=2.18
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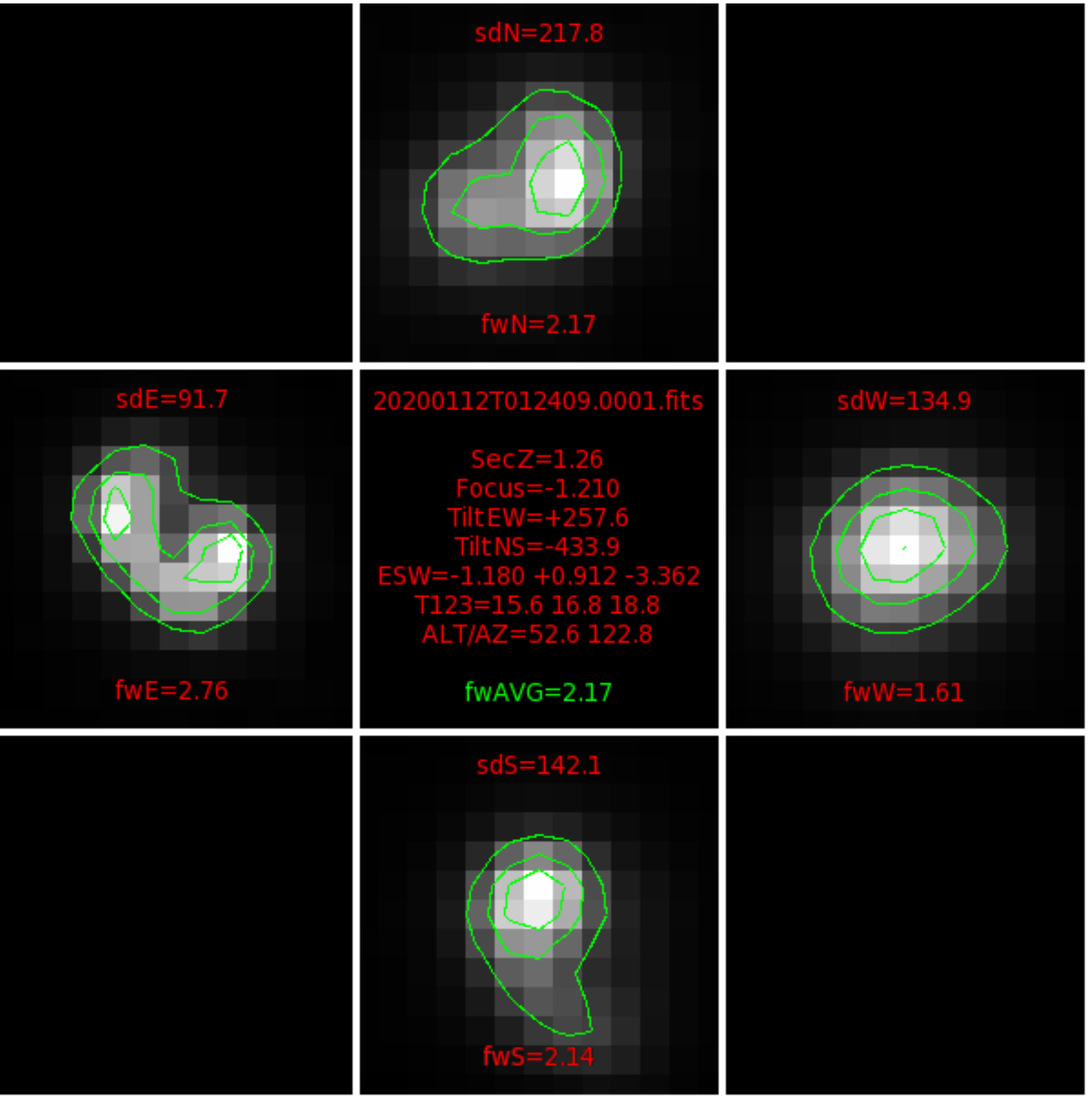
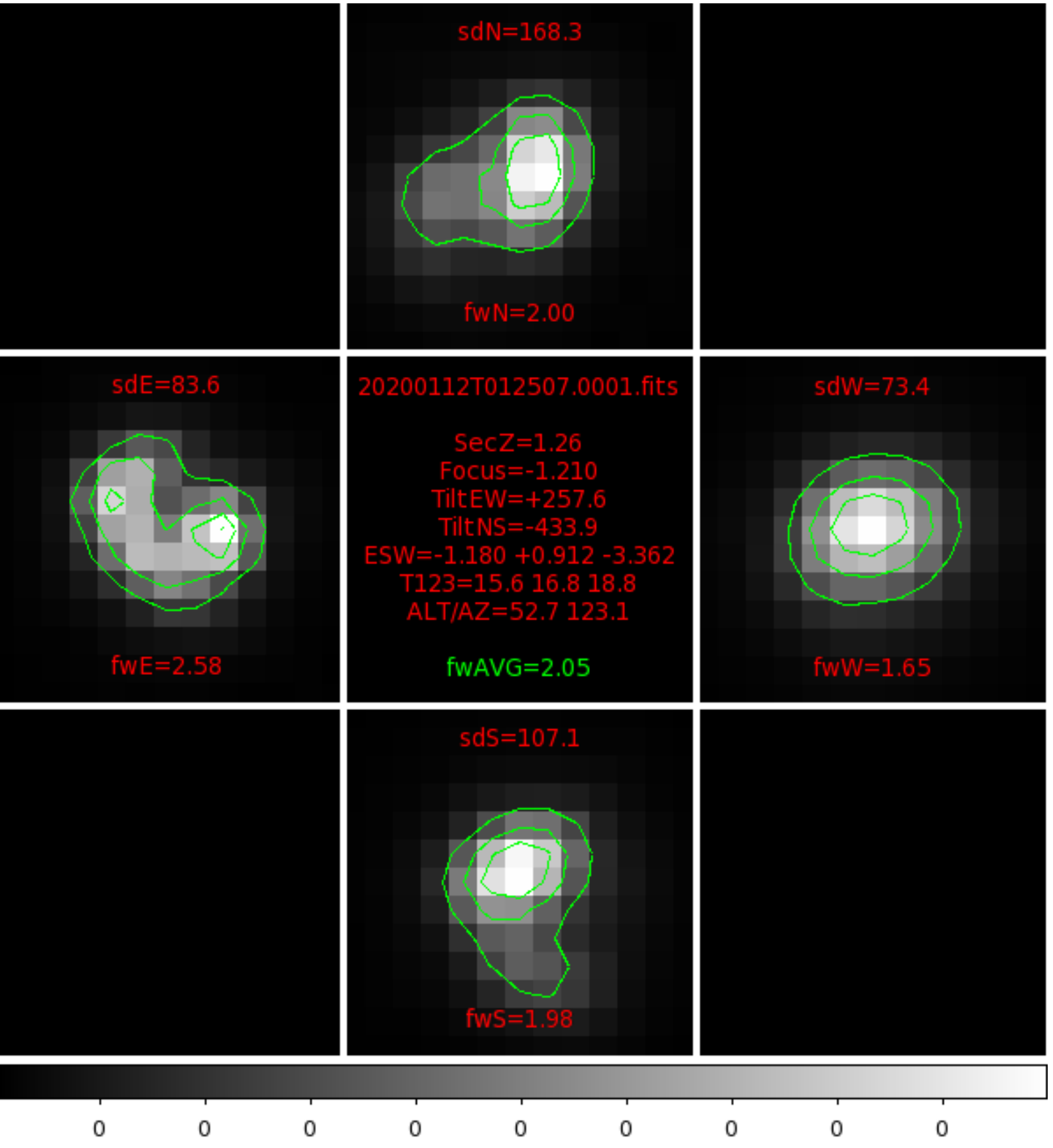

sdN=217.8
fwN=2.17
sdE=91.7
fwE=2.76
20200112T012409.0001.fits
SecZ=1.26
Focus=-1.210
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.180 +0.912 -3.362
T123=15.6 16.8 18.8
ALT/AZ=52.6 122.8
fwAVG=2.17
sdW=134.9
fwW=1.61
sdS=142.1
fwS=2.14
0 0 0 0 0 0 0 0 0


sdN=168.3
fwN=2.00
sdE=83.6
fwE=2.58
20200112T012507.0001.fits
SecZ=1.26
Focus=-1.210
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.180 +0.912 -3.362
T123=15.6 16.8 18.8
ALT/AZ=52.7 123.1
fwAVG=2.05
sdW=73.4
fwW=1.65
sdS=107.1
fwS=1.98
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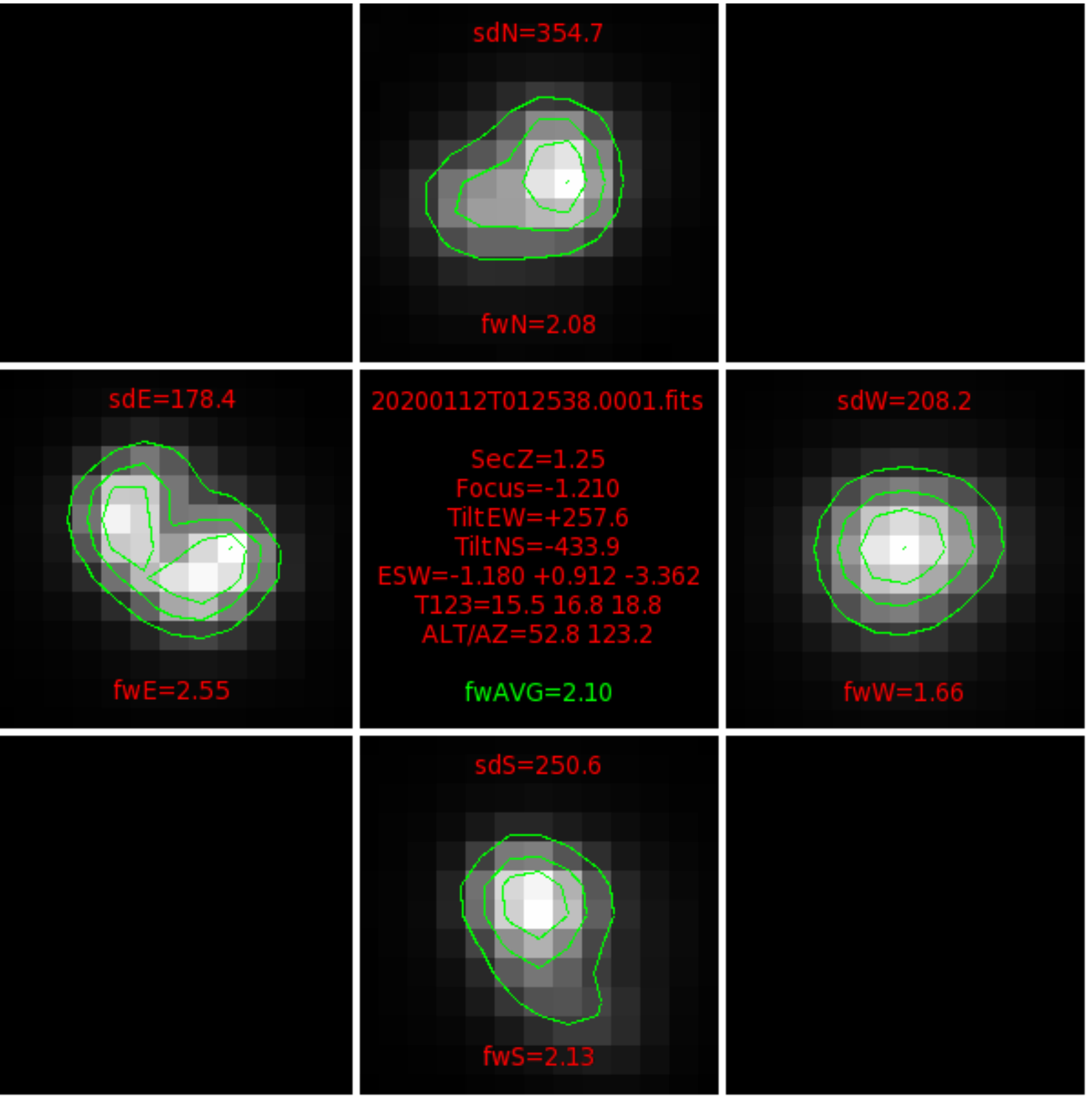
sdN=354.7
fwN=2.08
sdE=178.4
fwE=2.55
20200112T012538.0001.fits
SecZ=1.25
Focus=-1.210
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.180 +0.912 -3.362
T123=15.5 16.8 18.8
ALT/AZ=52.8 123.2
fwAVG=2.10
sdW=208.2
fwW=1.66
sdS=250.6
fwS=2.13
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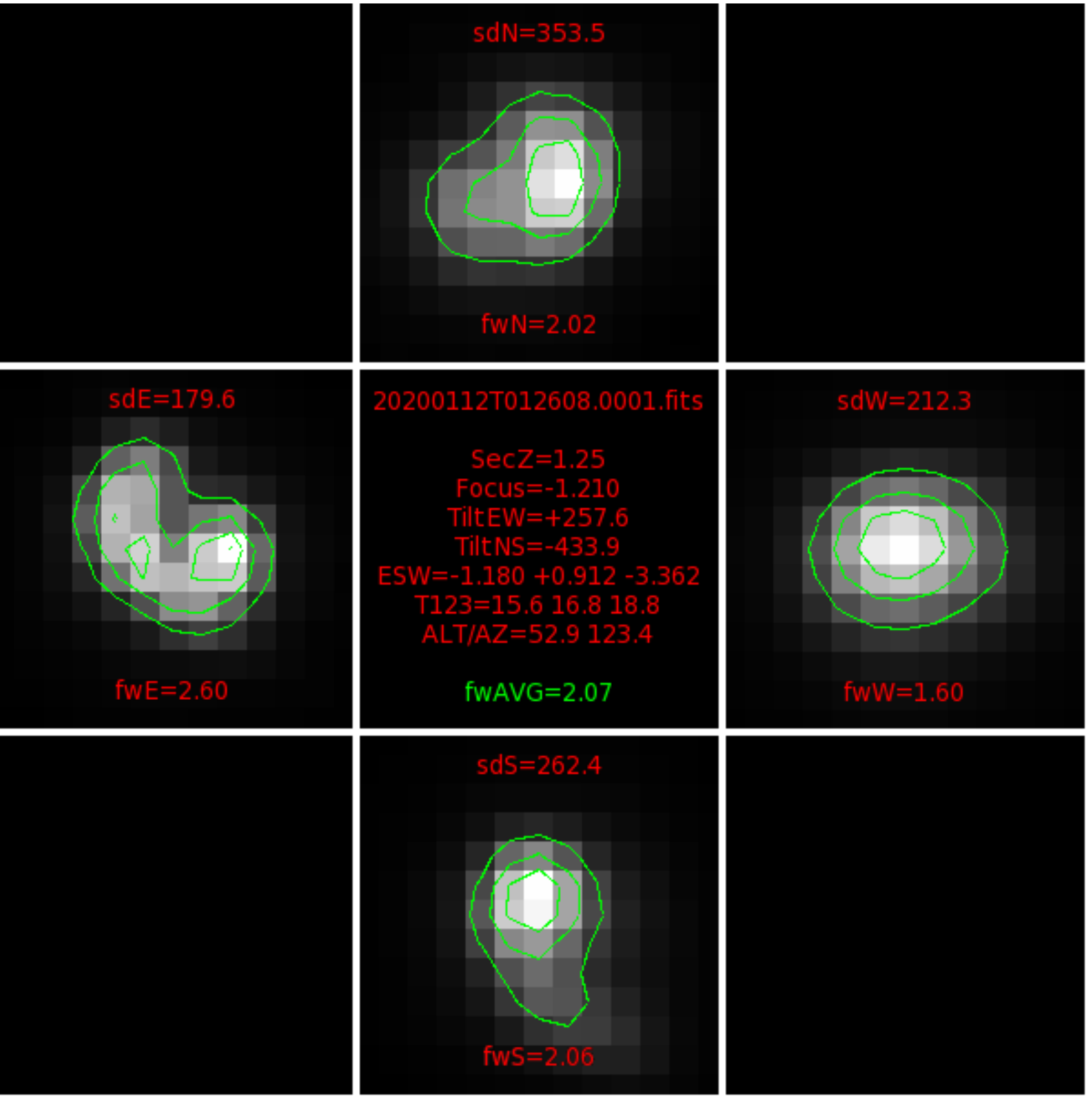
sdN=353.5
fwN=2.02
sdE=179.6
fwE=2.60
20200112T012608.0001.fits
SecZ=1.25
Focus=-1.210
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.180 +0.912 -3.362
T123=15.6 16.8 18.8
ALT/AZ=52.9 123.4
fwAVG=2.07
sdW=212.3
fwW=1.60
sdS=262.4
fwS=2.06
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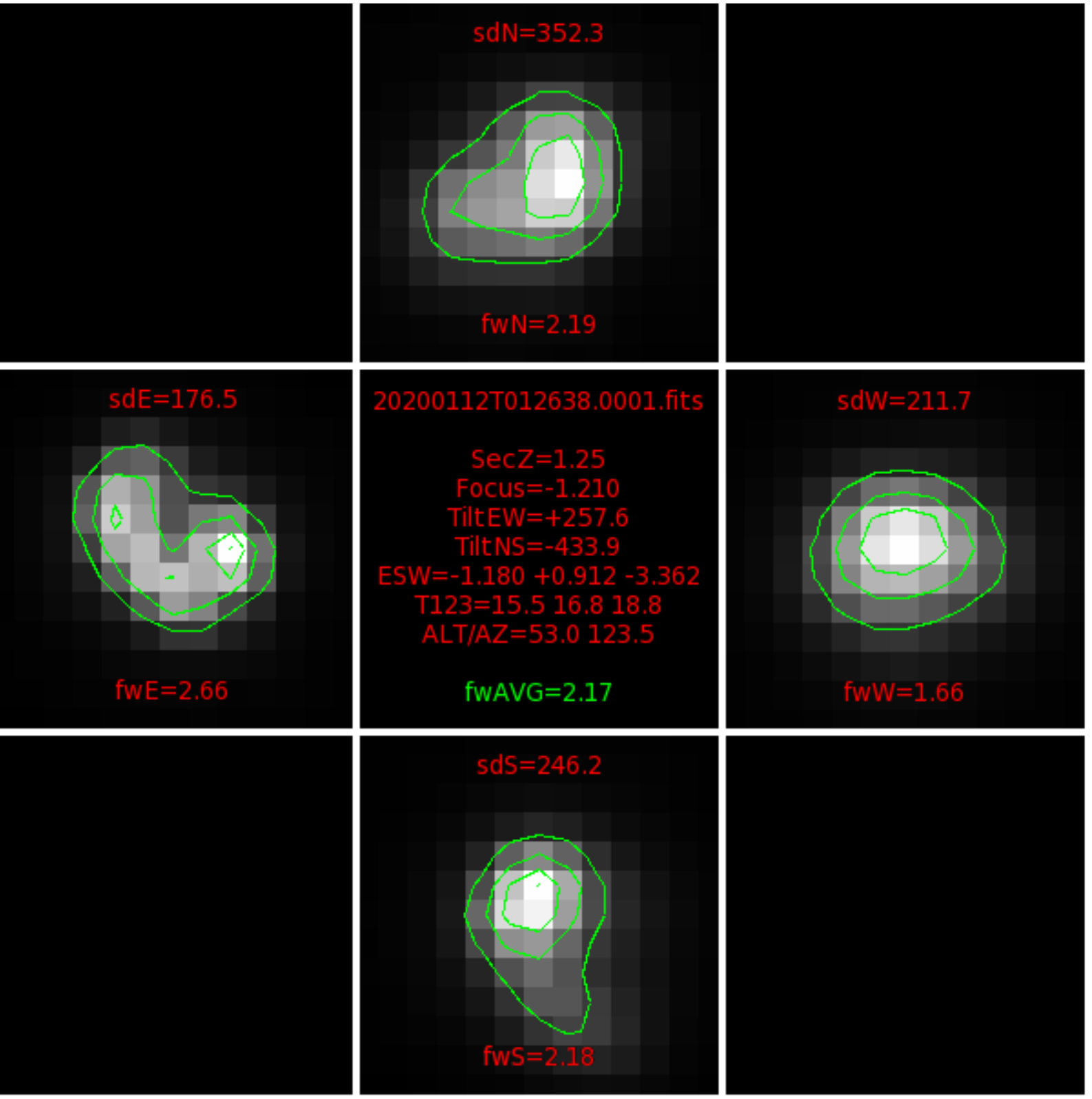
sdN=352.3
fwN=2.19
sdE=176.5
fwE=2.66
20200112T012638.0001.fits
SecZ=1.25
Focus=-1.210
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.180 +0.912 -3.362
T123=15.5 16.8 18.8
ALT/AZ=53.0 123.5
fwAVG=2.17
sdW=211.7
fwW=1.66
sdS=246.2
fwS=2.18
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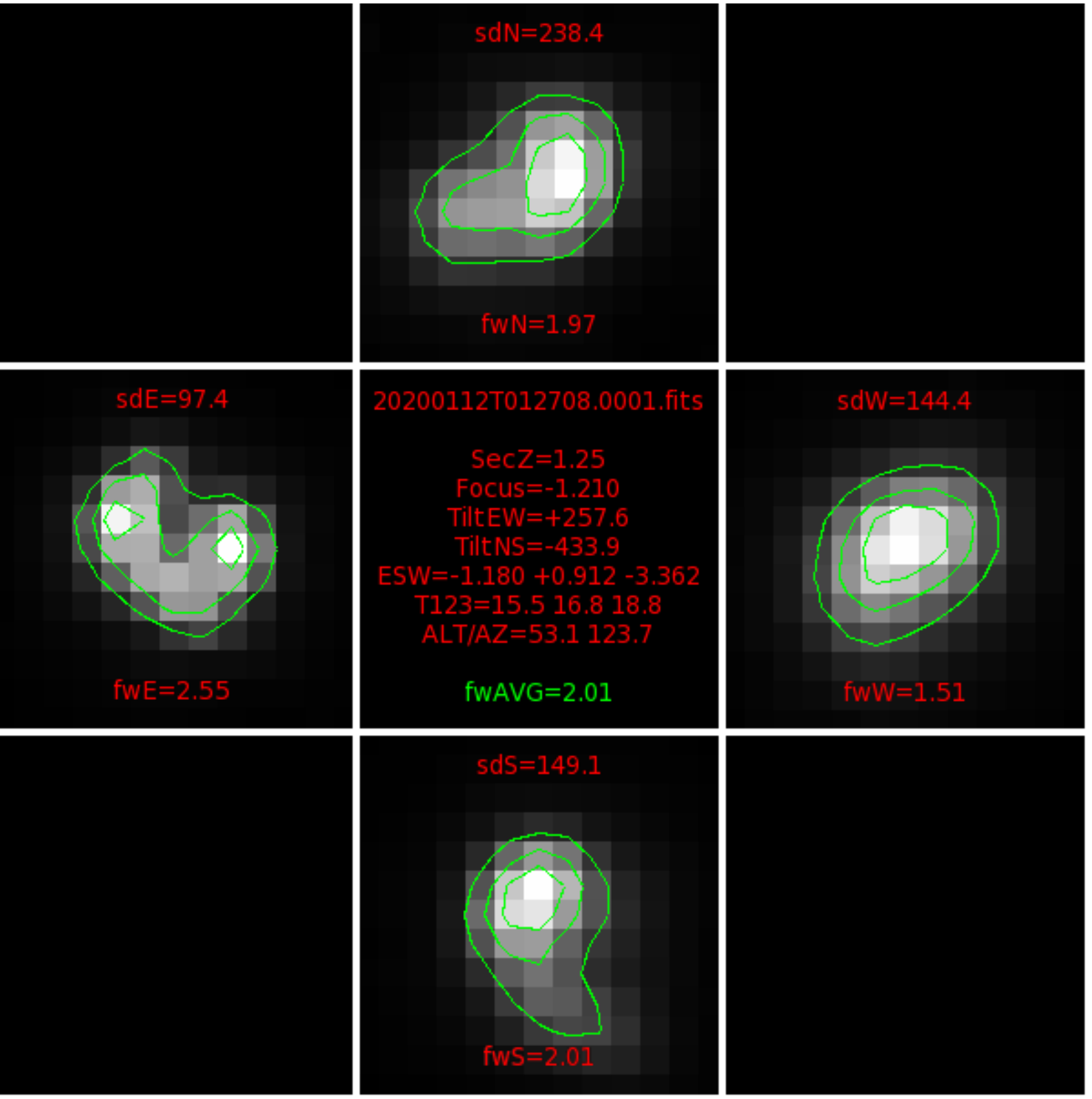
sdN=238.4
fwN=1.97
sdE=97.4
fwE=2.55
20200112T012708.0001.fits
SecZ=1.25
Focus=-1.210
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.180 +0.912 -3.362
T123=15.5 16.8 18.8
ALT/AZ=53.1 123.7
fwAVG=2.01
sdW=144.4
fwW=1.51
sdS=149.1
fwS=2.01
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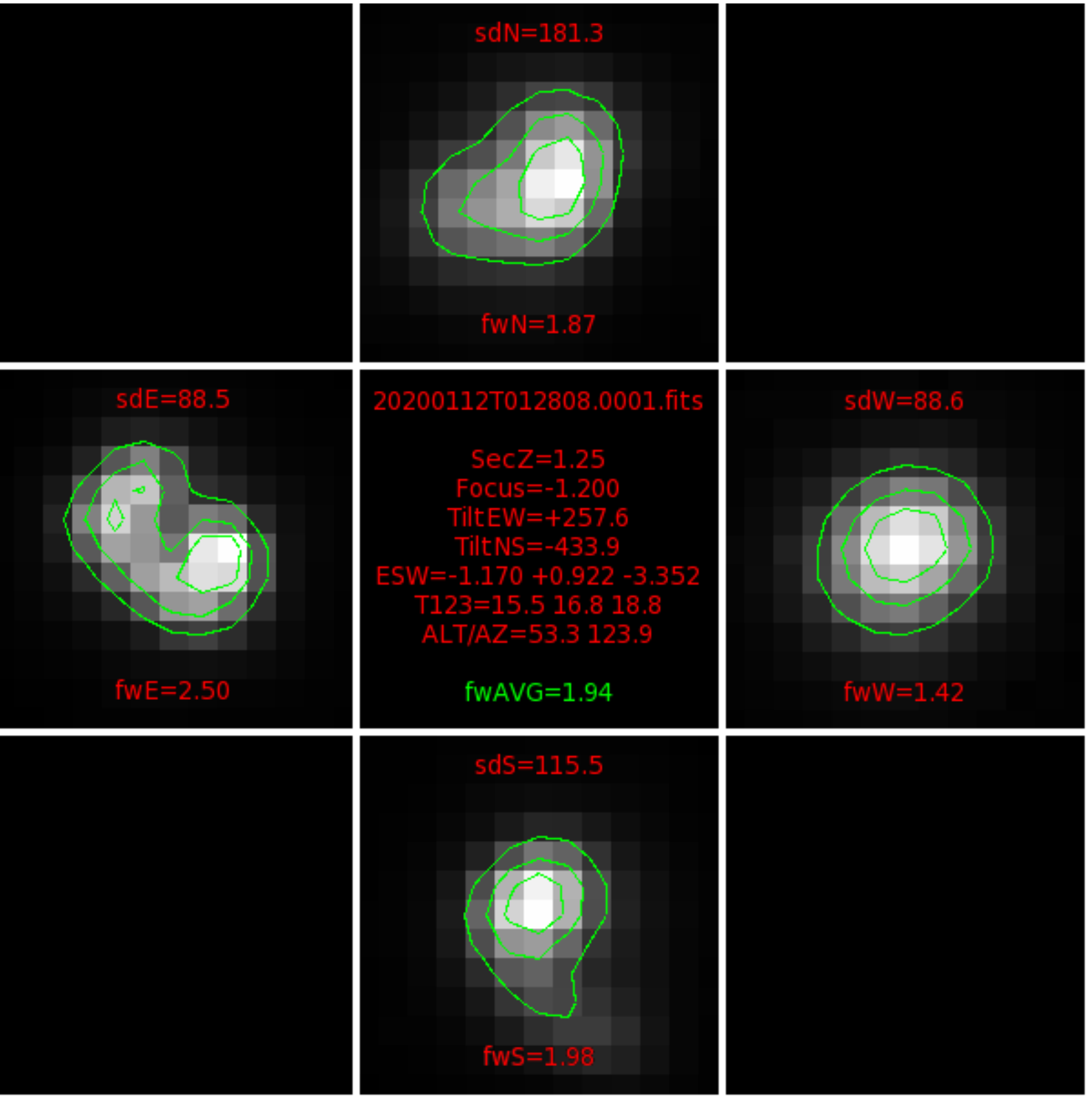
sdN=181.3
fwN=1.87
sdE=88.5
fwE=2.50
20200112T012808.0001.fits
SecZ=1.25
Focus=-1.200
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.170 +0.922 -3.352
T123=15.5 16.8 18.8
ALT/AZ=53.3 123.9
fwAVG=1.94
sdW=88.6
fwW=1.42
sdS=115.5
fwS=1.98
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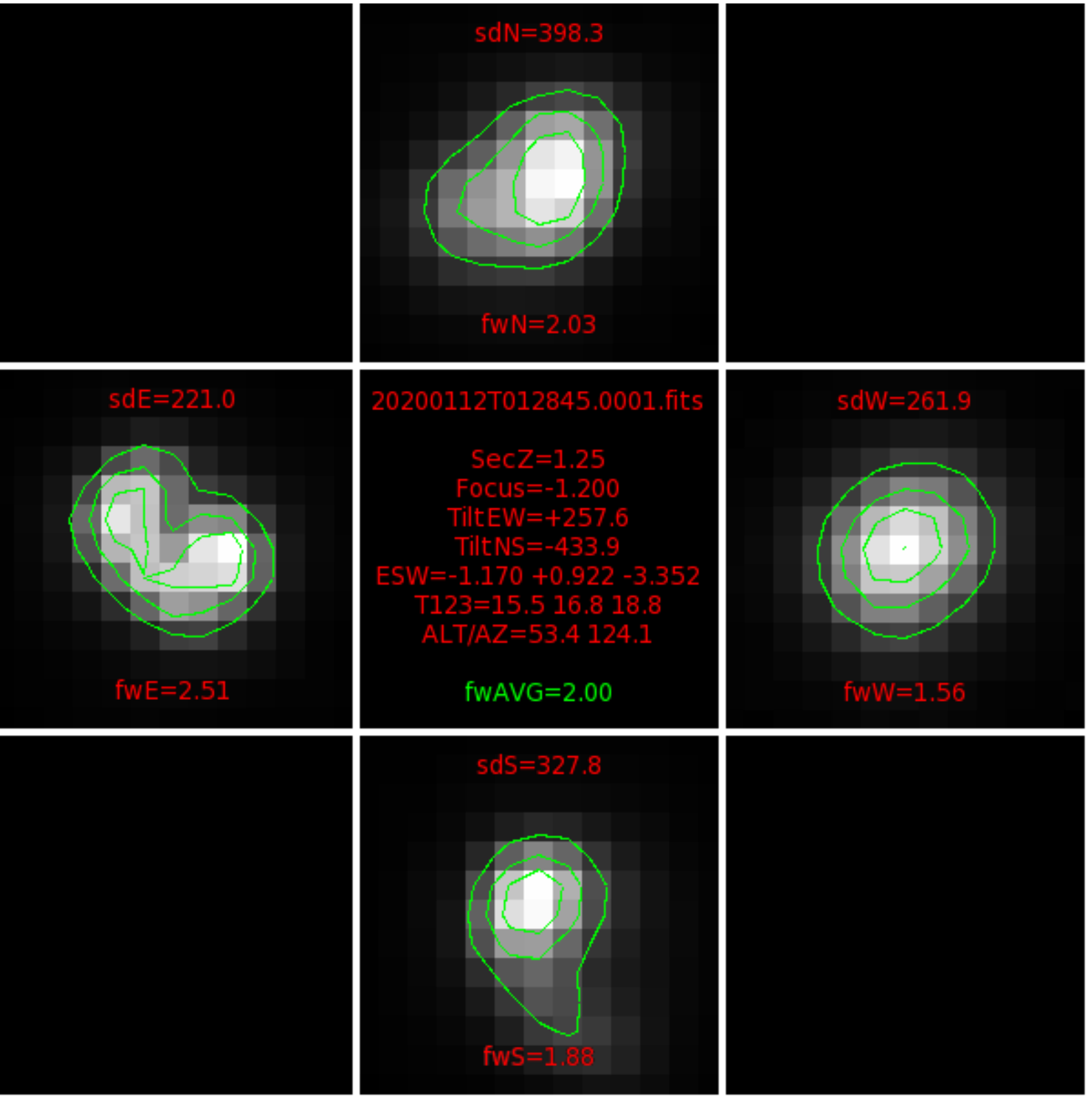
sdN=398.3
fwN=2.03
sdE=221.0
fwE=2.51
20200112T012845.0001.fits
SecZ=1.25
Focus=-1.200
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.170 +0.922 -3.352
T123=15.5 16.8 18.8
ALT/AZ=53.4 124.1
fwAVG=2.00
sdW=261.9
fwW=1.56
sdS=327.8
fwS=1.88
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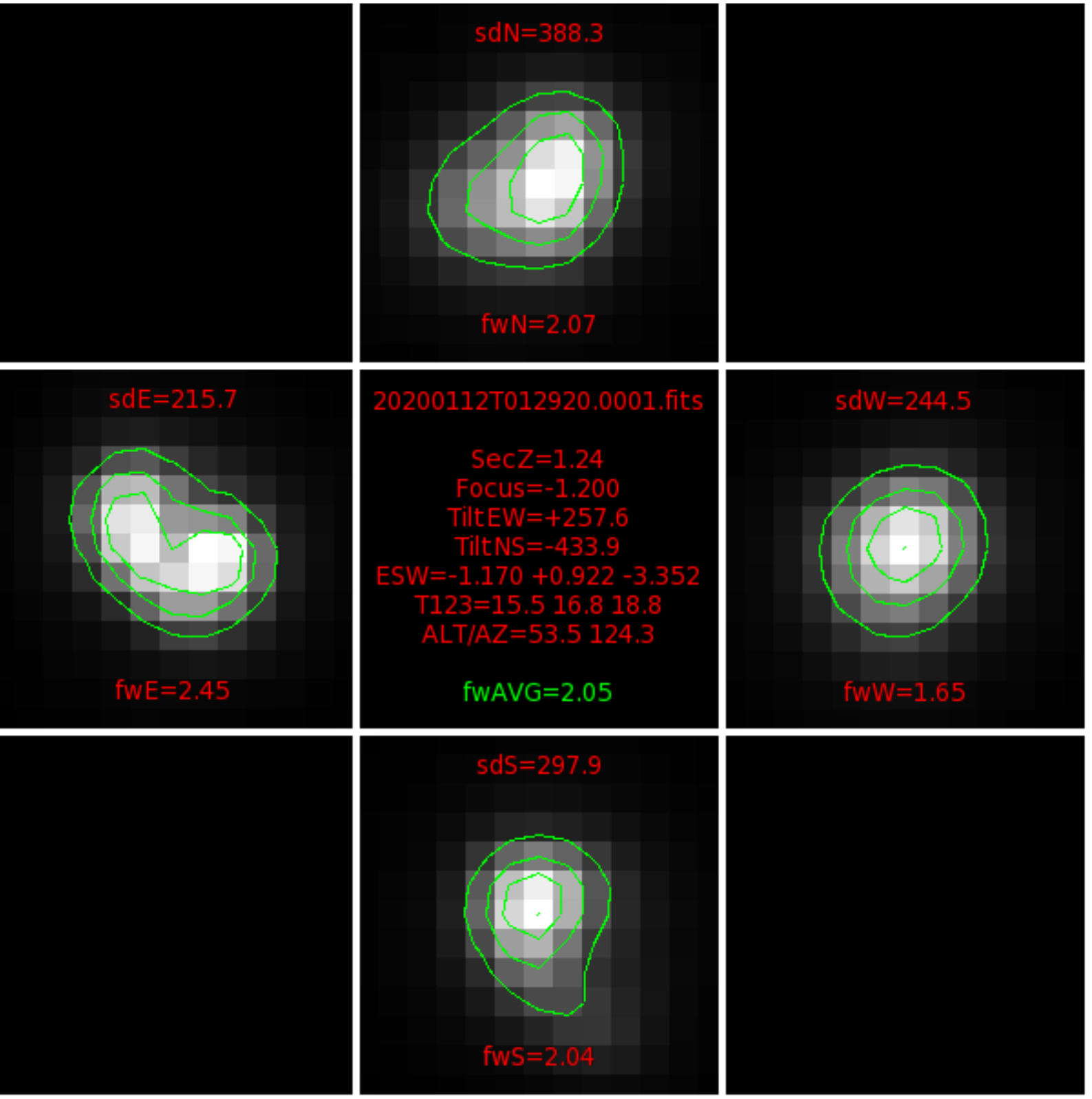
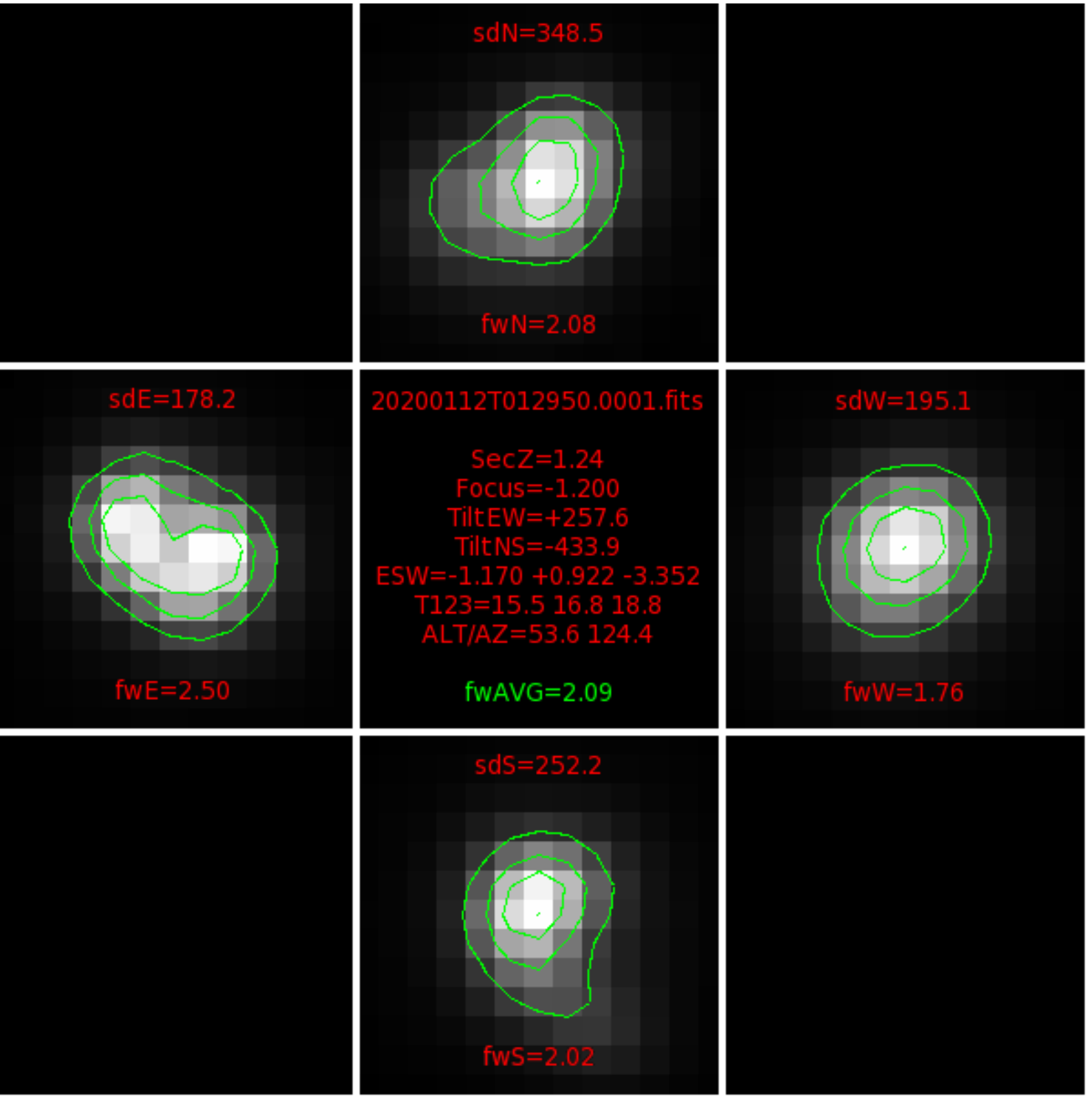

sdN=388.3
fwN=2.07
sdE=215.7
fwE=2.45
20200112T012920.0001.fits
SecZ=1.24
Focus=-1.200
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.170 +0.922 -3.352
T123=15.5 16.8 18.8
ALT/AZ=53.5 124.3
fwAVG=2.05
sdW=244.5
fwW=1.65
sdS=297.9
fwS=2.04
0 0 0 0 0 0 0 0 0


sdN=348.5
fwN=2.08
sdE=178.2
fwE=2.50
20200112T012950.0001.fits
SecZ=1.24
Focus=-1.200
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.170 +0.922 -3.352
T123=15.5 16.8 18.8
ALT/AZ=53.6 124.4
fwAVG=2.09
sdW=195.1
fwW=1.76
sdS=252.2
fwS=2.02
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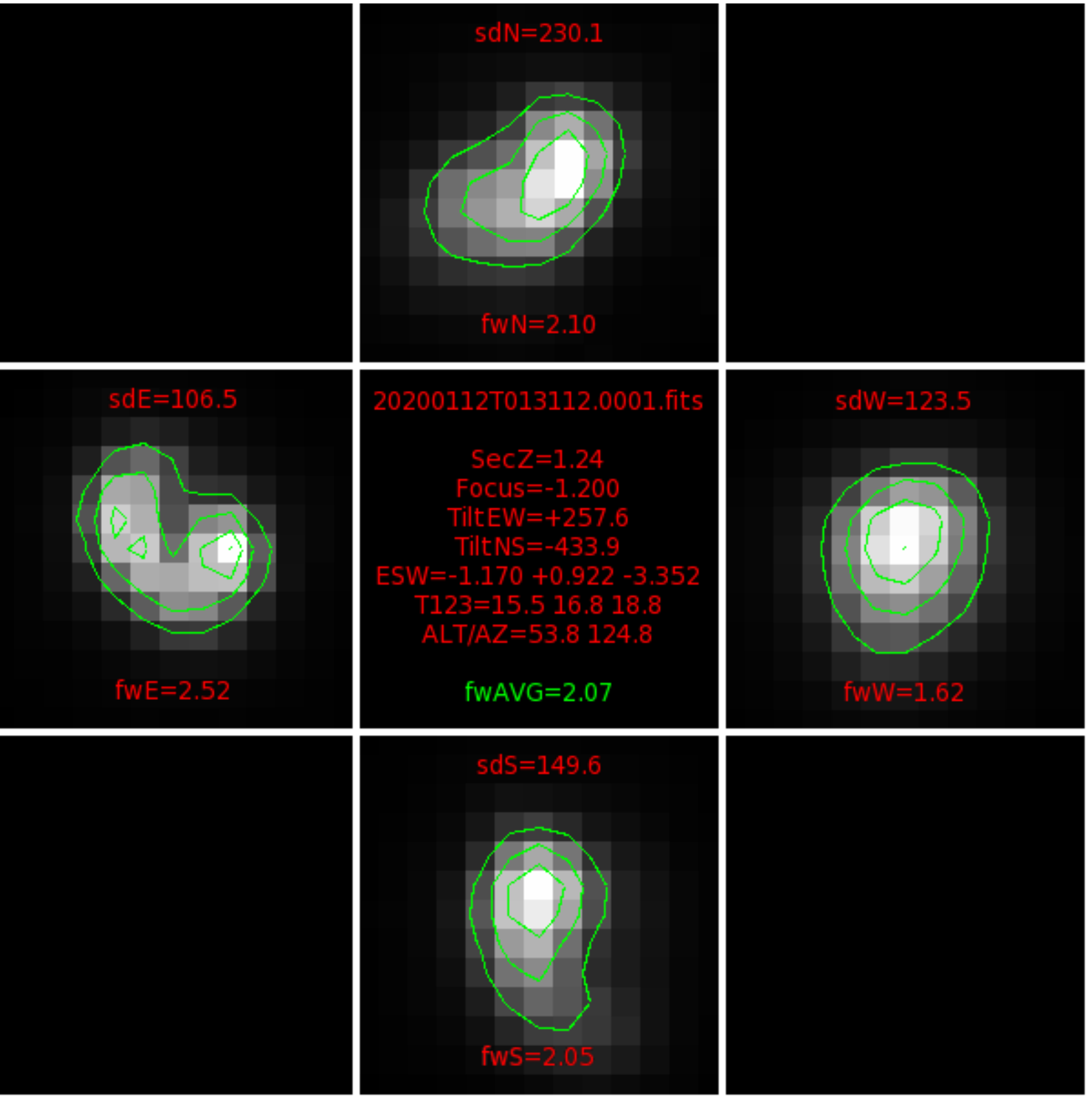
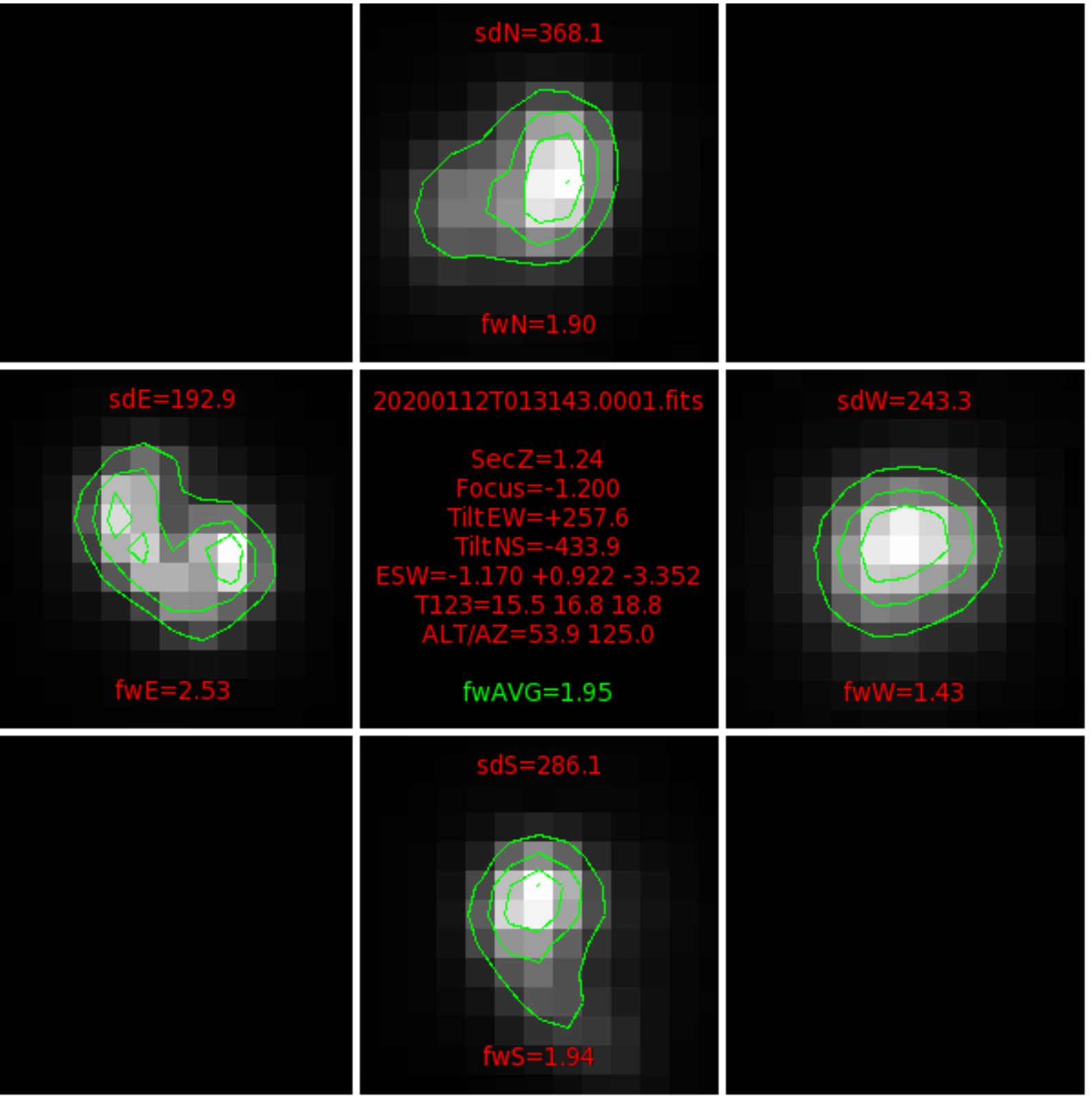

sdN=230.1
fwN=2.10
sdE=106.5
fwE=2.52
20200112T013112.0001.fits
SecZ=1.24
Focus=-1.200
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.170 +0.922 -3.352
T123=15.5 16.8 18.8
ALT/AZ=53.8 124.8
fwAVG=2.07
sdW=123.5
fwW=1.62
sdS=149.6
fwS=2.05
0 0 0 0 0 0 0 0 0


sdN=368.1
fwN=1.90
sdE=192.9
fwE=2.53
20200112T013143.0001.fits
SecZ=1.24
Focus=-1.200
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.170 +0.922 -3.352
T123=15.5 16.8 18.8
ALT/AZ=53.9 125.0
fwAVG=1.95
sdW=243.3
fwW=1.43
sdS=286.1
fwS=1.94
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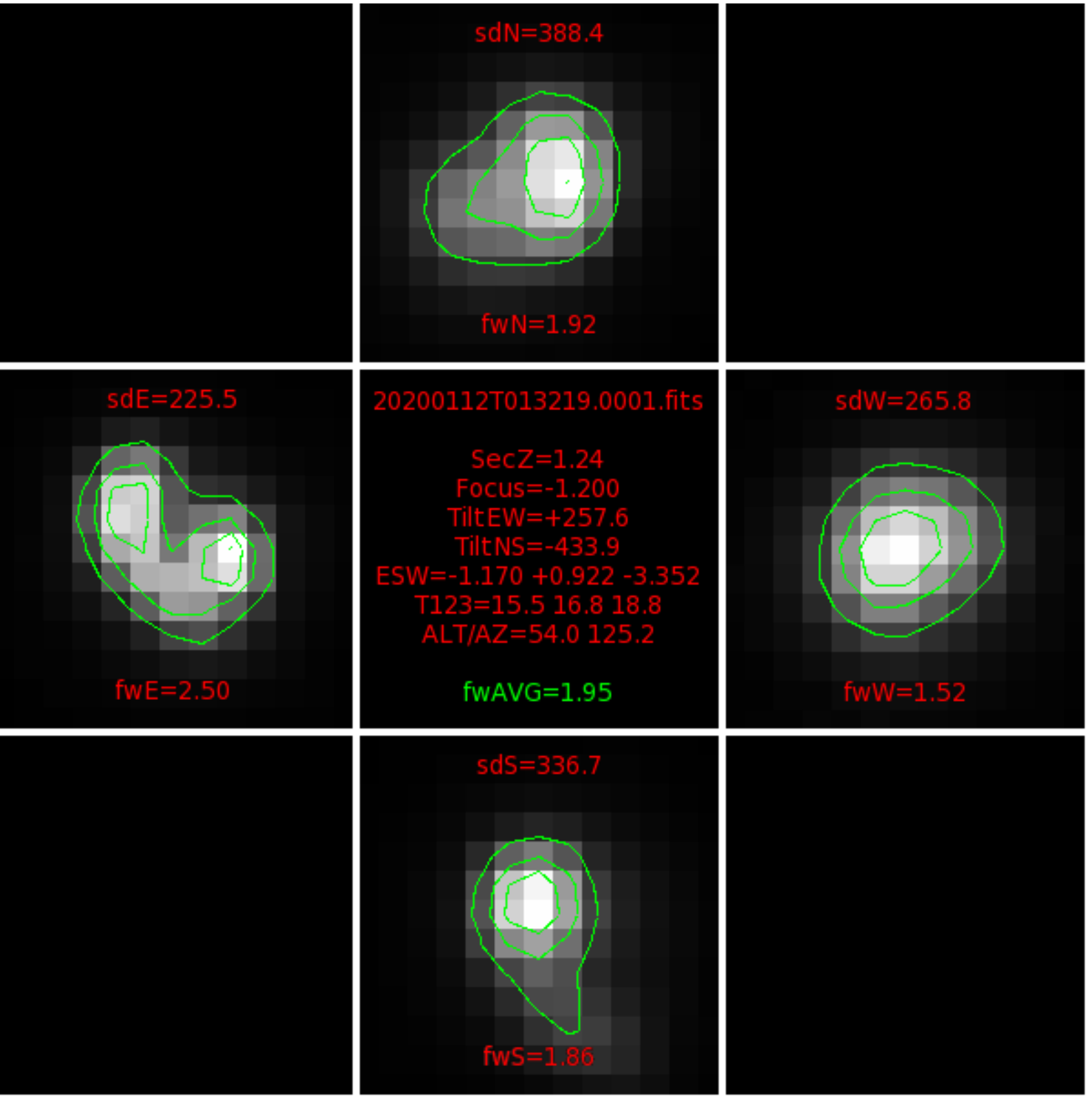
sdN=388.4
fwN=1.92
sdE=225.5
fwE=2.50
20200112T013219.0001.fits
SecZ=1.24
Focus=-1.200
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.170 +0.922 -3.352
T123=15.5 16.8 18.8
ALT/AZ=54.0 125.2
fwAVG=1.95
sdW=265.8
fwW=1.52
sdS=336.7
fwS=1.86
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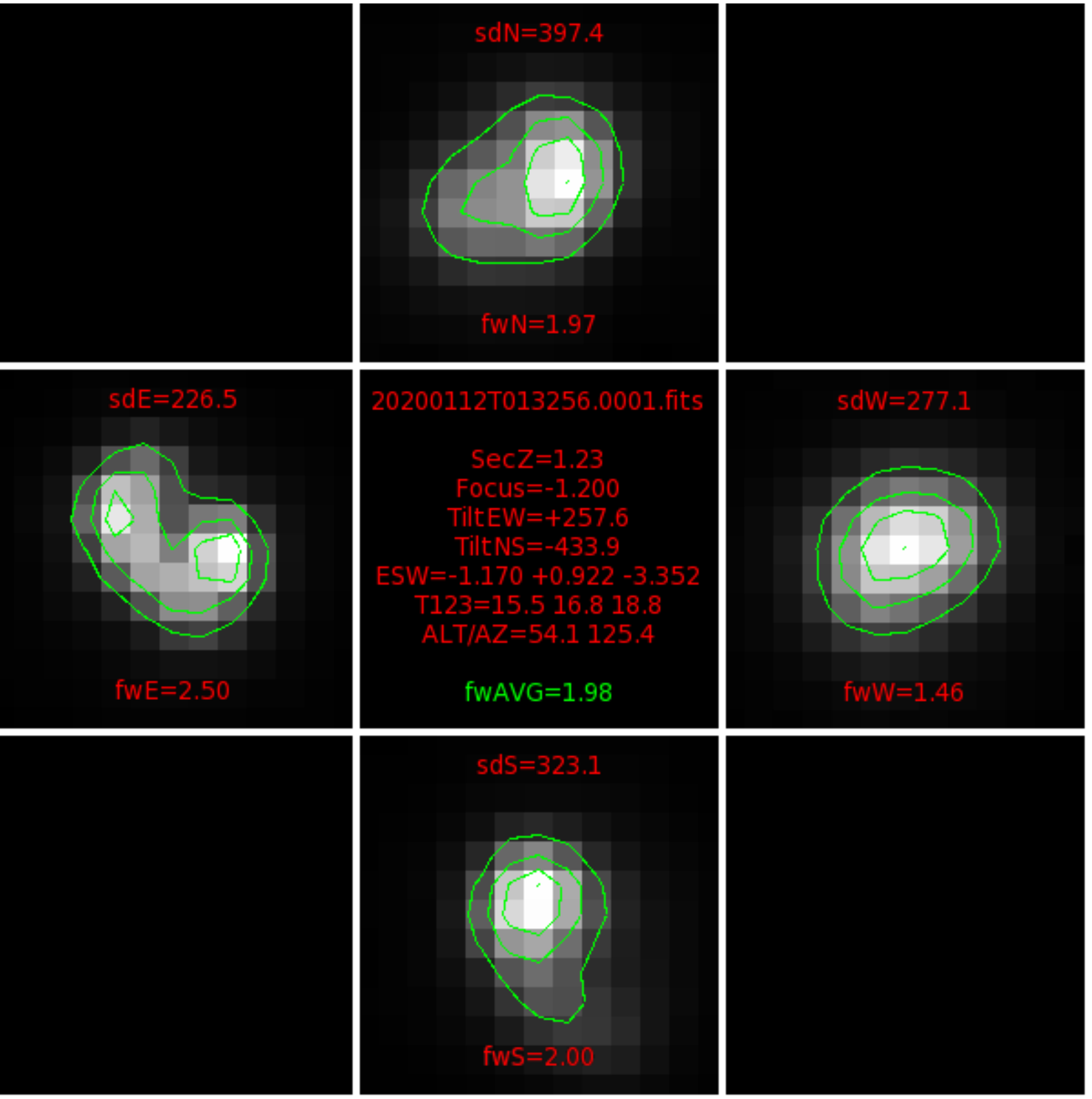
sdN=397.4
fwN=1.97
sdE=226.5
fwE=2.50
20200112T013256.0001.fits
SecZ=1.23
Focus=-1.200
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.170 +0.922 -3.352
T123=15.5 16.8 18.8
ALT/AZ=54.1 125.4
fwAVG=1.98
sdW=277.1
fwW=1.46
sdS=323.1
fwS=2.00
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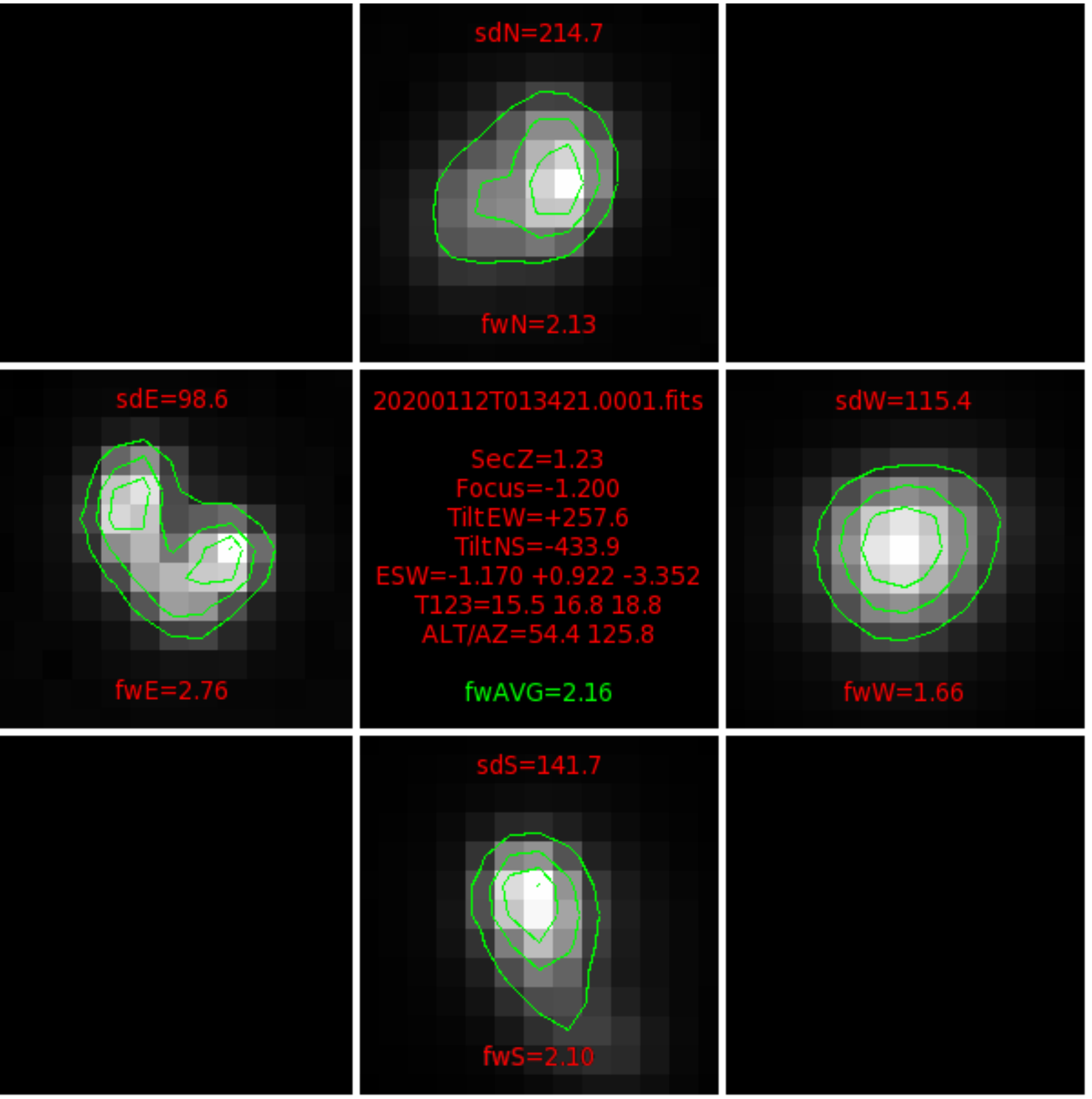
sdN=214.7
fwN=2.13
sdE=98.6
fwE=2.76
20200112T013421.0001.fits
SecZ=1.23
Focus=-1.200
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.170 +0.922 -3.352
T123=15.5 16.8 18.8
ALT/AZ=54.4 125.8
fwAVG=2.16
sdW=115.4
fwW=1.66
sdS=141.7
fwS=2.10
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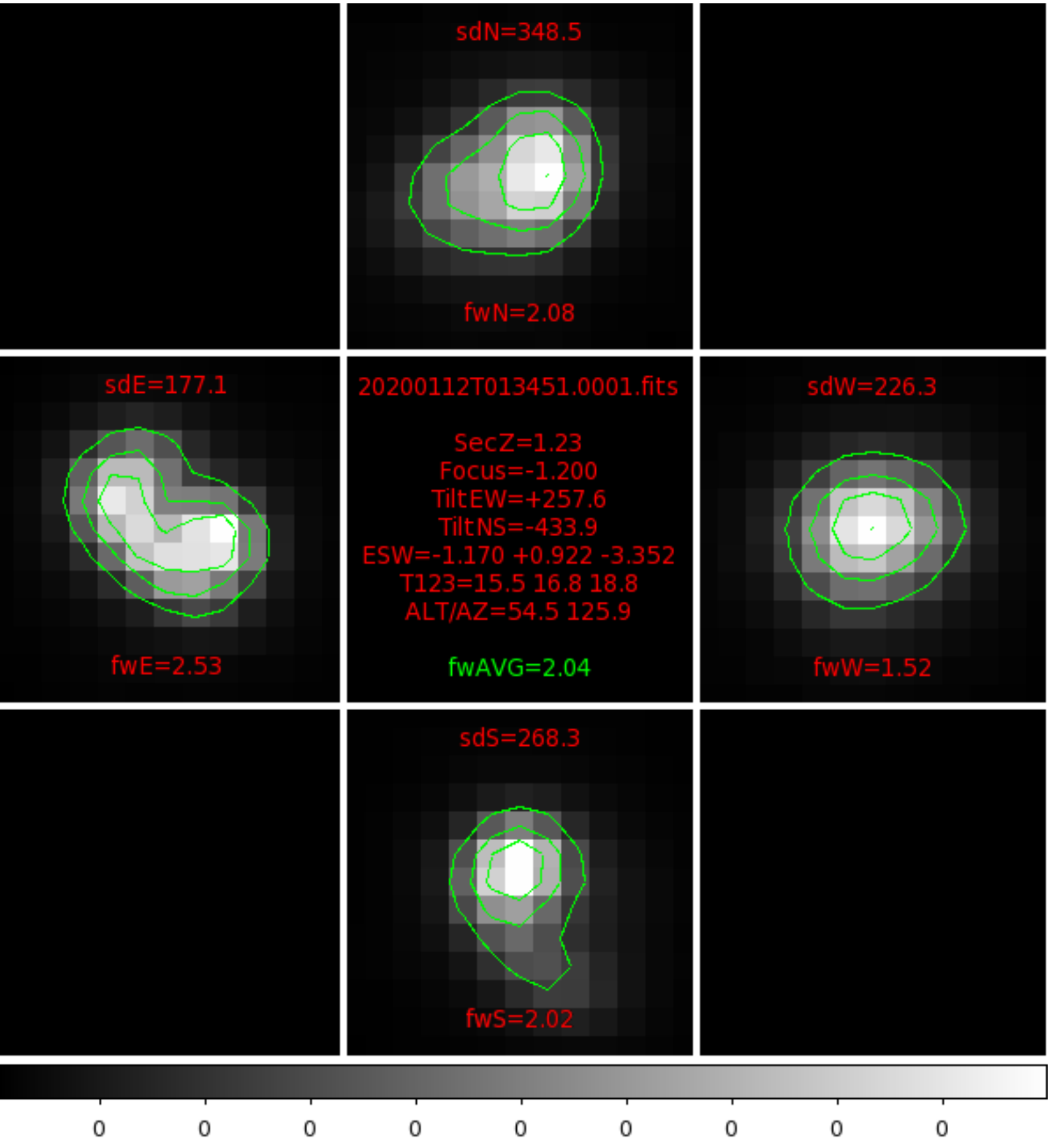
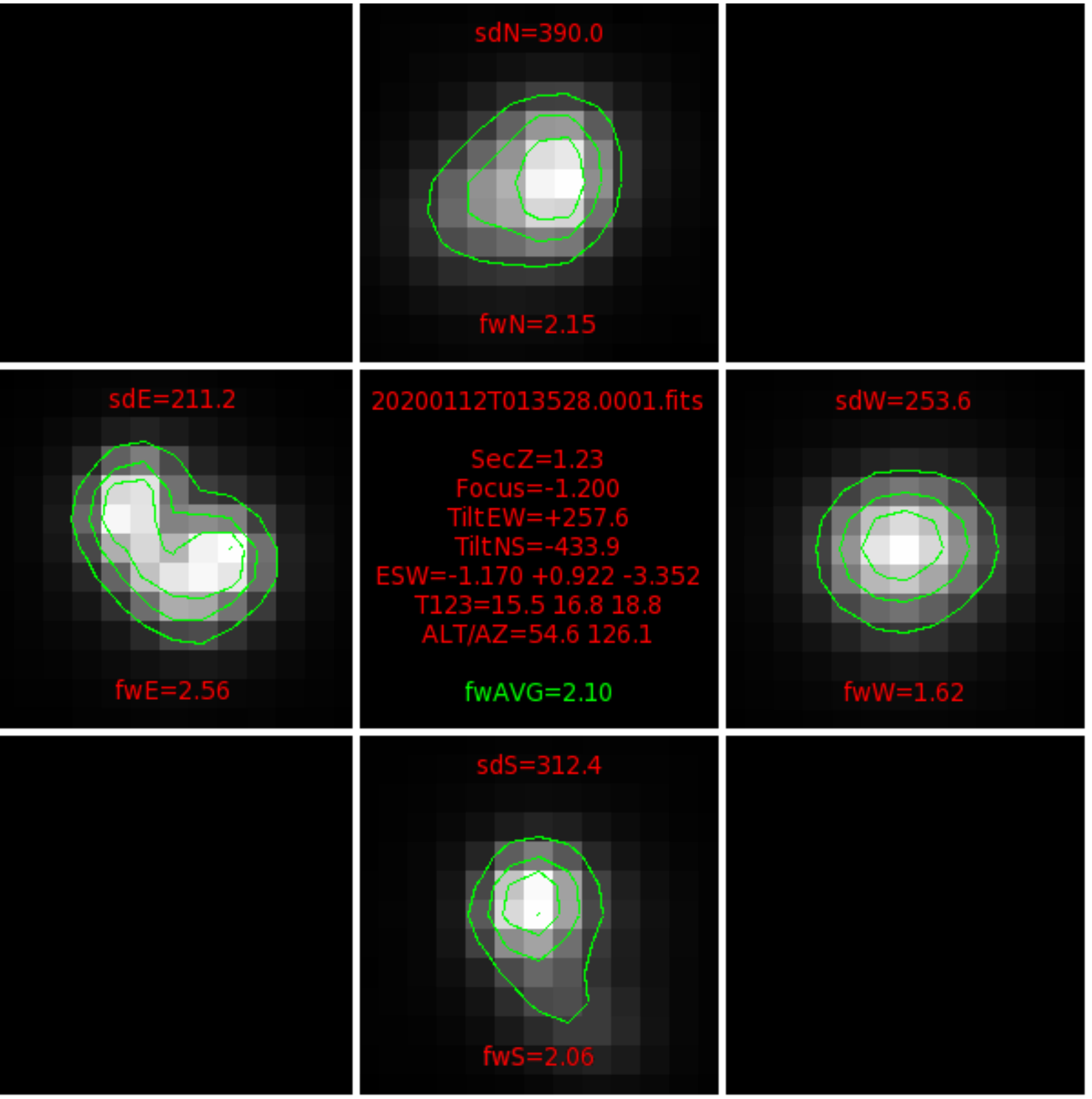

sdN=348.5
fwN=2.08
sdE=177.1
fwE=2.53
20200112T013451.0001.fits
SecZ=1.23
Focus=-1.200
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.170 +0.922 -3.352
T123=15.5 16.8 18.8
ALT/AZ=54.5 125.9
fwAVG=2.04
sdW=226.3
fwW=1.52
sdS=268.3
fwS=2.02
0 0 0 0 0 0 0 0 0


sdN=390.0
fwN=2.15
sdE=211.2
fwE=2.56
20200112T013528.0001.fits
SecZ=1.23
Focus=-1.200
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.170 +0.922 -3.352
T123=15.5 16.8 18.8
ALT/AZ=54.6 126.1
fwAVG=2.10
sdW=253.6
fwW=1.62
sdS=312.4
fwS=2.06
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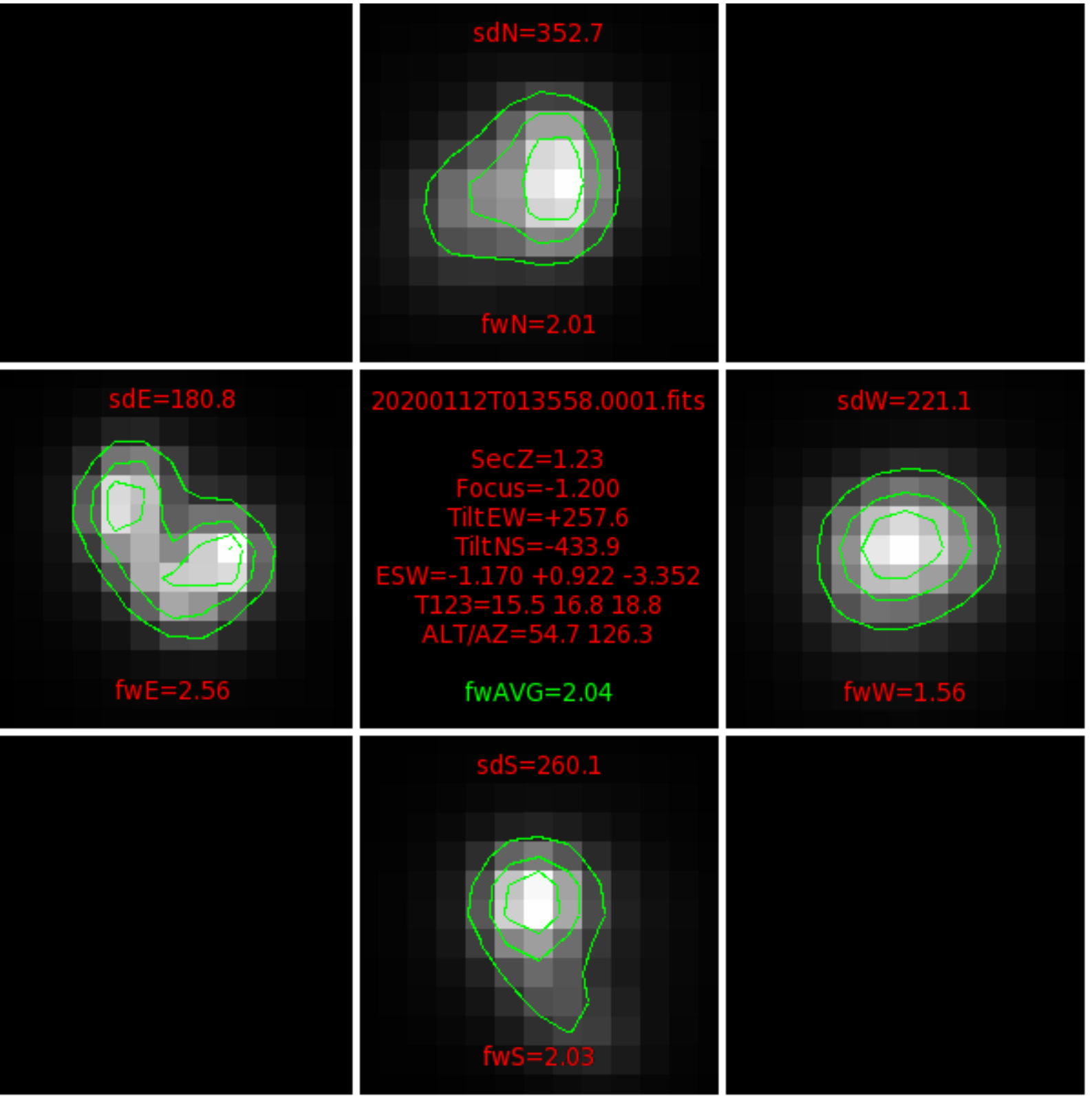
sdN=352.7
fwN=2.01
sdE=180.8
fwE=2.56
20200112T013558.0001.fits
SecZ=1.23
Focus=-1.200
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.170 +0.922 -3.352
T123=15.5 16.8 18.8
ALT/AZ=54.7 126.3
fwAVG=2.04
sdW=221.1
fwW=1.56
sdS=260.1
fwS=2.03
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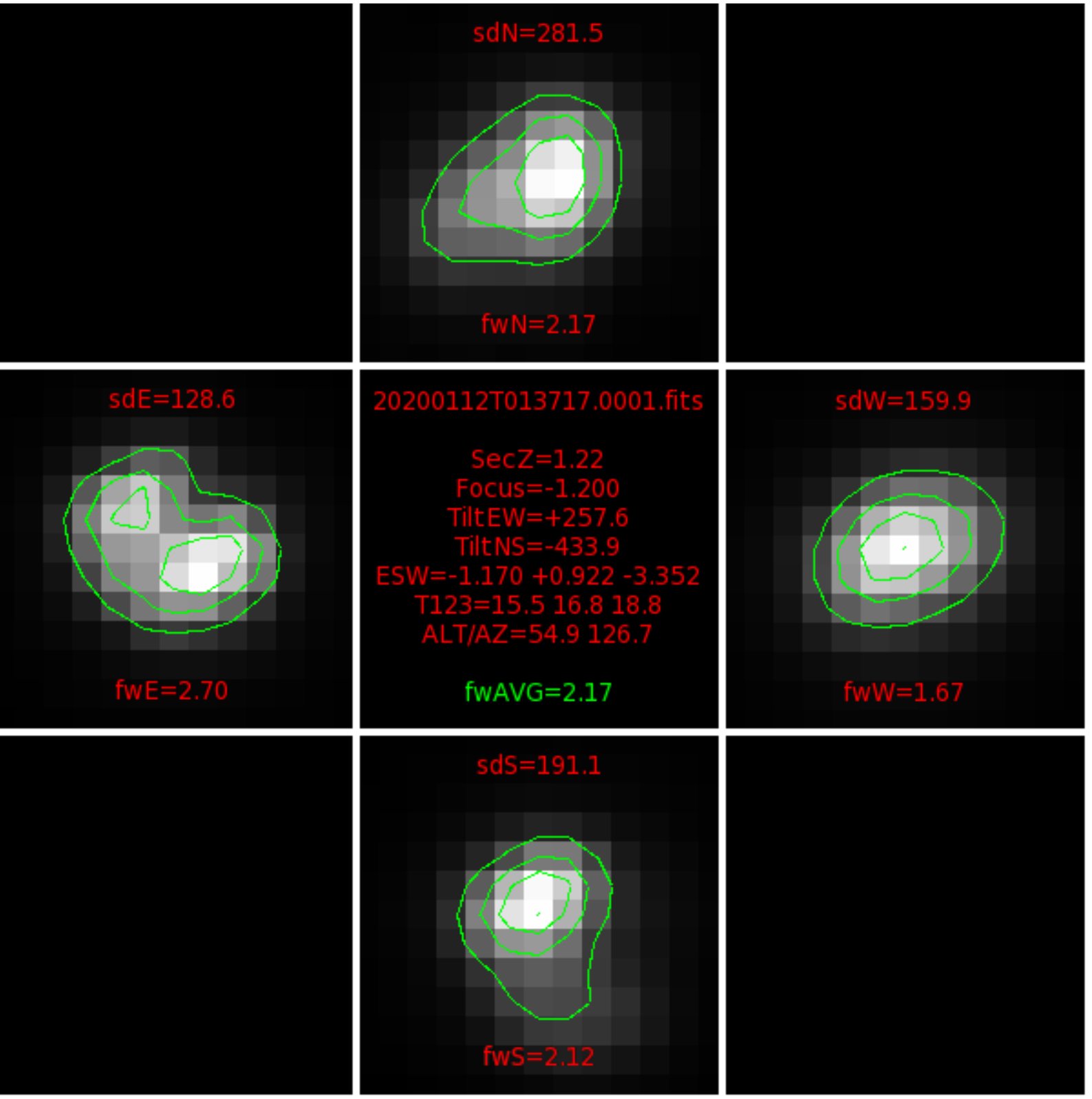
sdN=281.5
fwN=2.17
sdE=128.6
fwE=2.70
20200112T013717.0001.fits
SecZ=1.22
Focus=-1.200
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.170 +0.922 -3.352
T123=15.5 16.8 18.8
ALT/AZ=54.9 126.7
fwAVG=2.17
sdW=159.9
fwW=1.67
sdS=191.1
fwS=2.12
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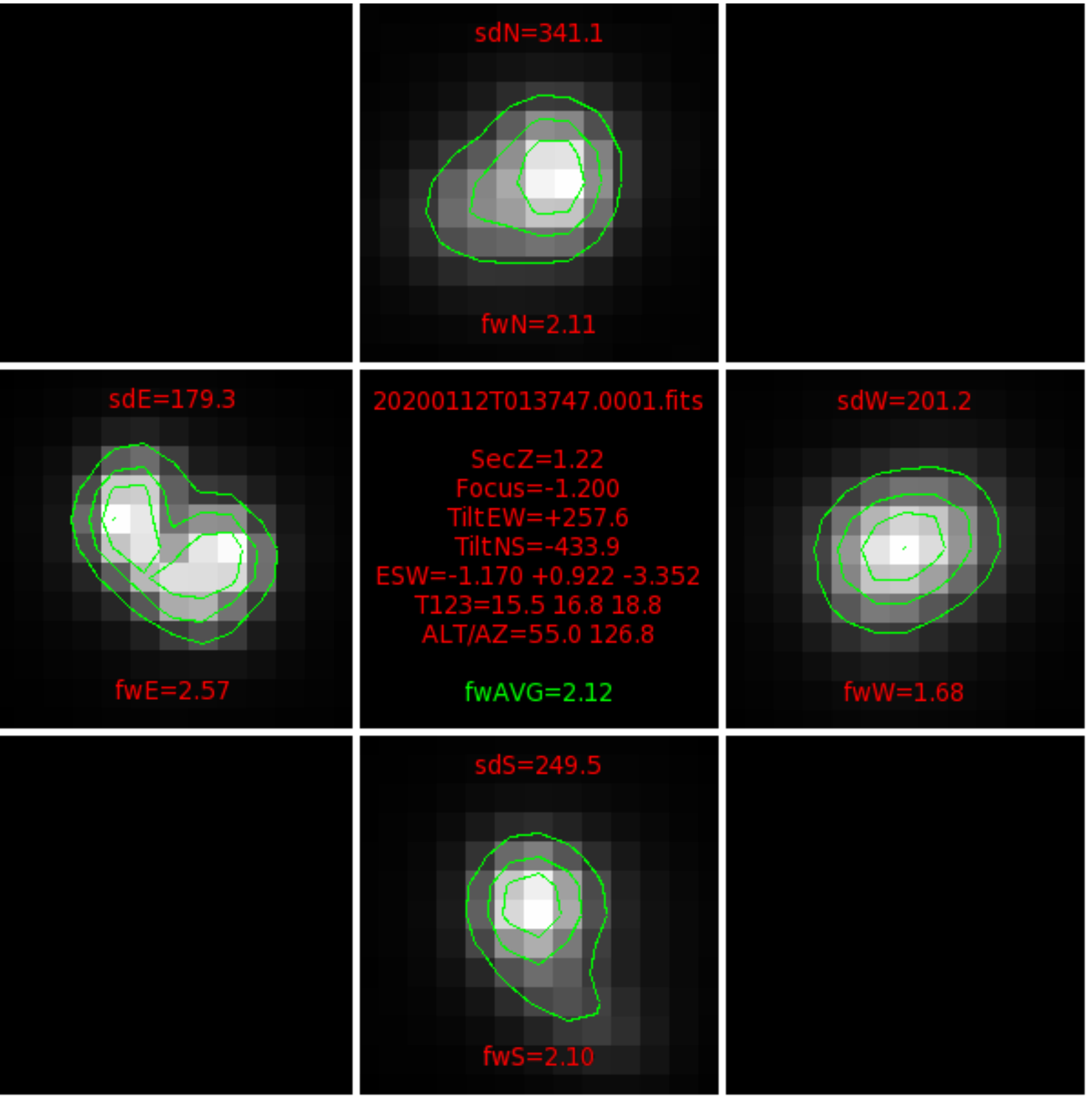
sdN=341.1
fwN=2.11
sdE=179.3
fwE=2.57
20200112T013747.0001.fits
SecZ=1.22
Focus=-1.200
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.170 +0.922 -3.352
T123=15.5 16.8 18.8
ALT/AZ=55.0 126.8
fwAVG=2.12
sdW=201.2
fwW=1.68
sdS=249.5
fwS=2.10
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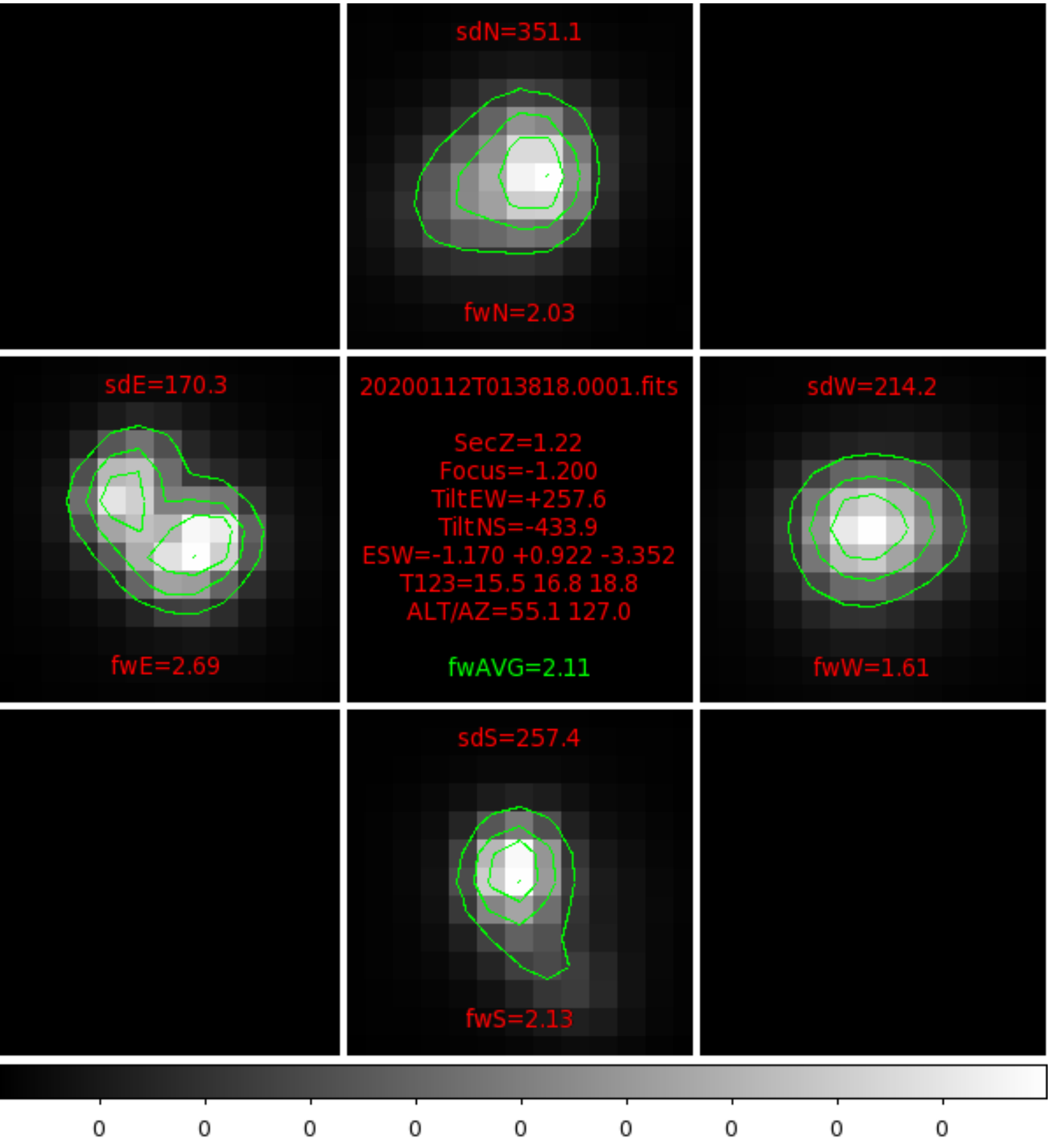
sdN=351.1
fwN=2.03
sdE=170.3
fwE=2.69
20200112T013818.0001.fits
SecZ=1.22
Focus=-1.200
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.170 +0.922 -3.352
T123=15.5 16.8 18.8
ALT/AZ=55.1 127.0
fwAVG=2.11
sdW=214.2
fwW=1.61
sdS=257.4
fwS=2.13
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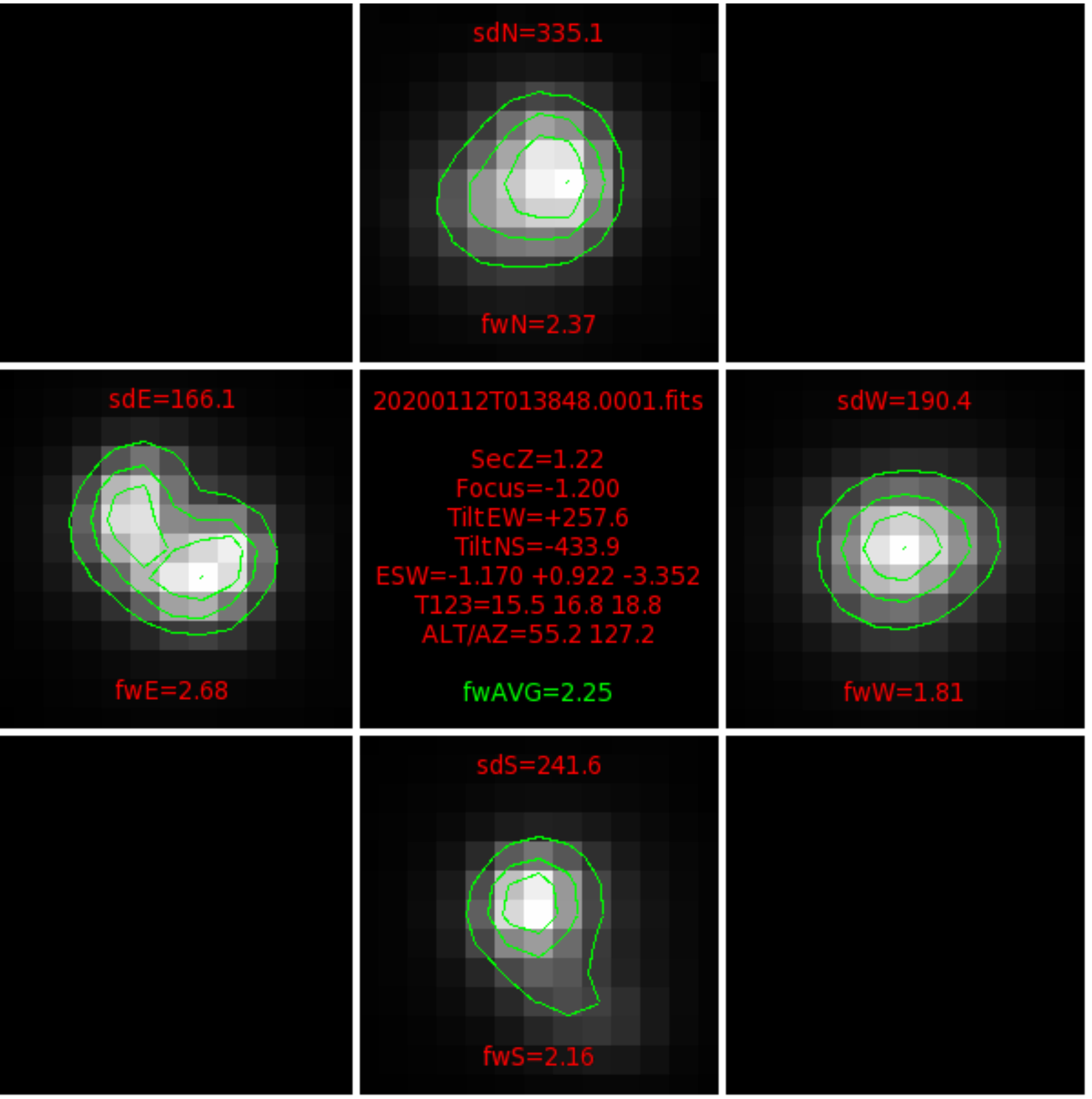
sdN=335.1
fwN=2.37
sdE=166.1
fwE=2.68
20200112T013848.0001.fits
SecZ=1.22
Focus=-1.200
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.170 +0.922 -3.352
T123=15.5 16.8 18.8
ALT/AZ=55.2 127.2
fwAVG=2.25
sdW=190.4
fwW=1.81
sdS=241.6
fwS=2.16
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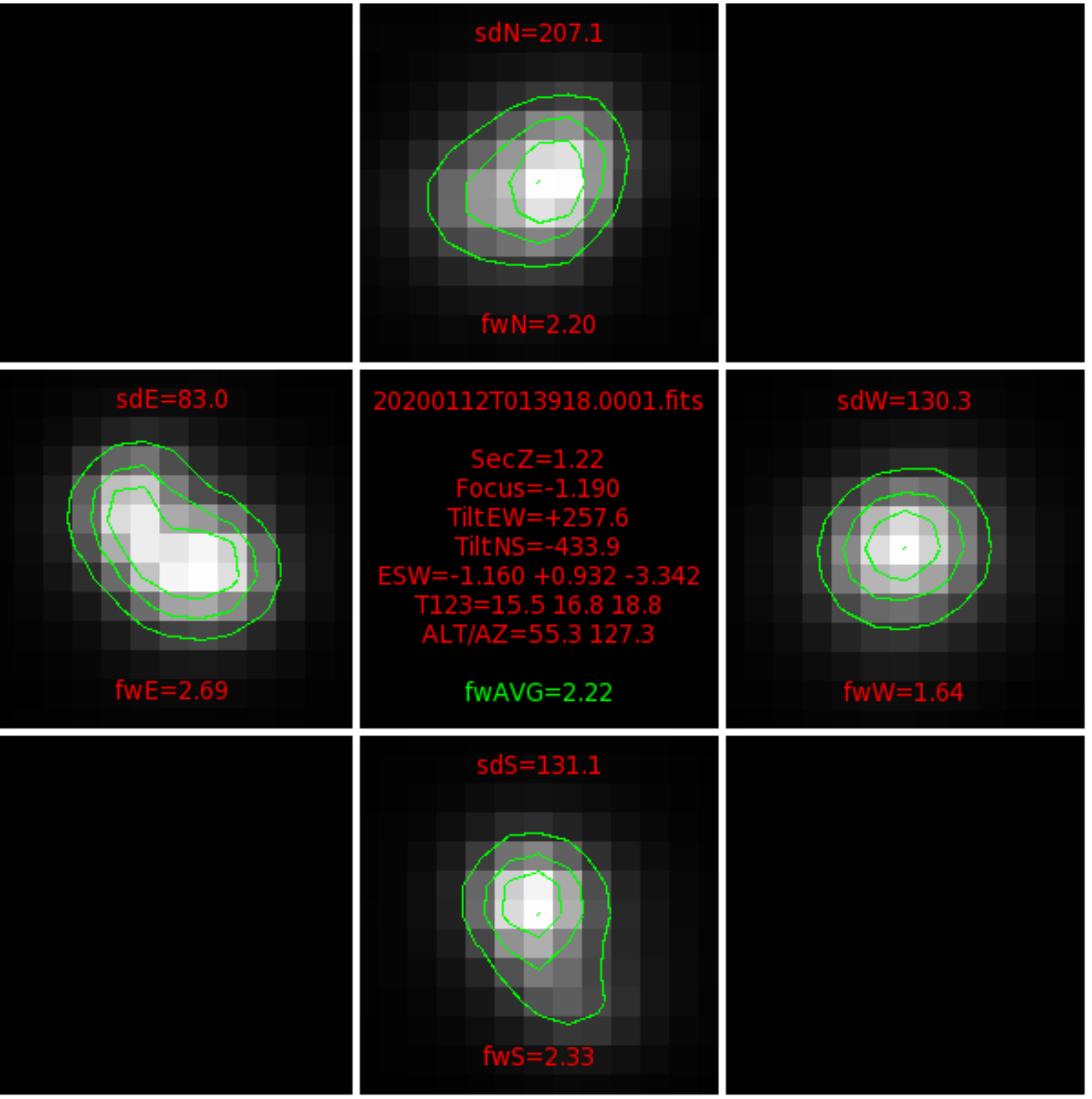
sdN=207.1
fwN=2.20
sdE=83.0
fwE=2.69
20200112T013918.0001.fits
SecZ=1.22
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.5 16.8 18.8
ALT/AZ=55.3 127.3
fwAVG=2.22
sdW=130.3
fwW=1.64
sdS=131.1
fwS=2.33
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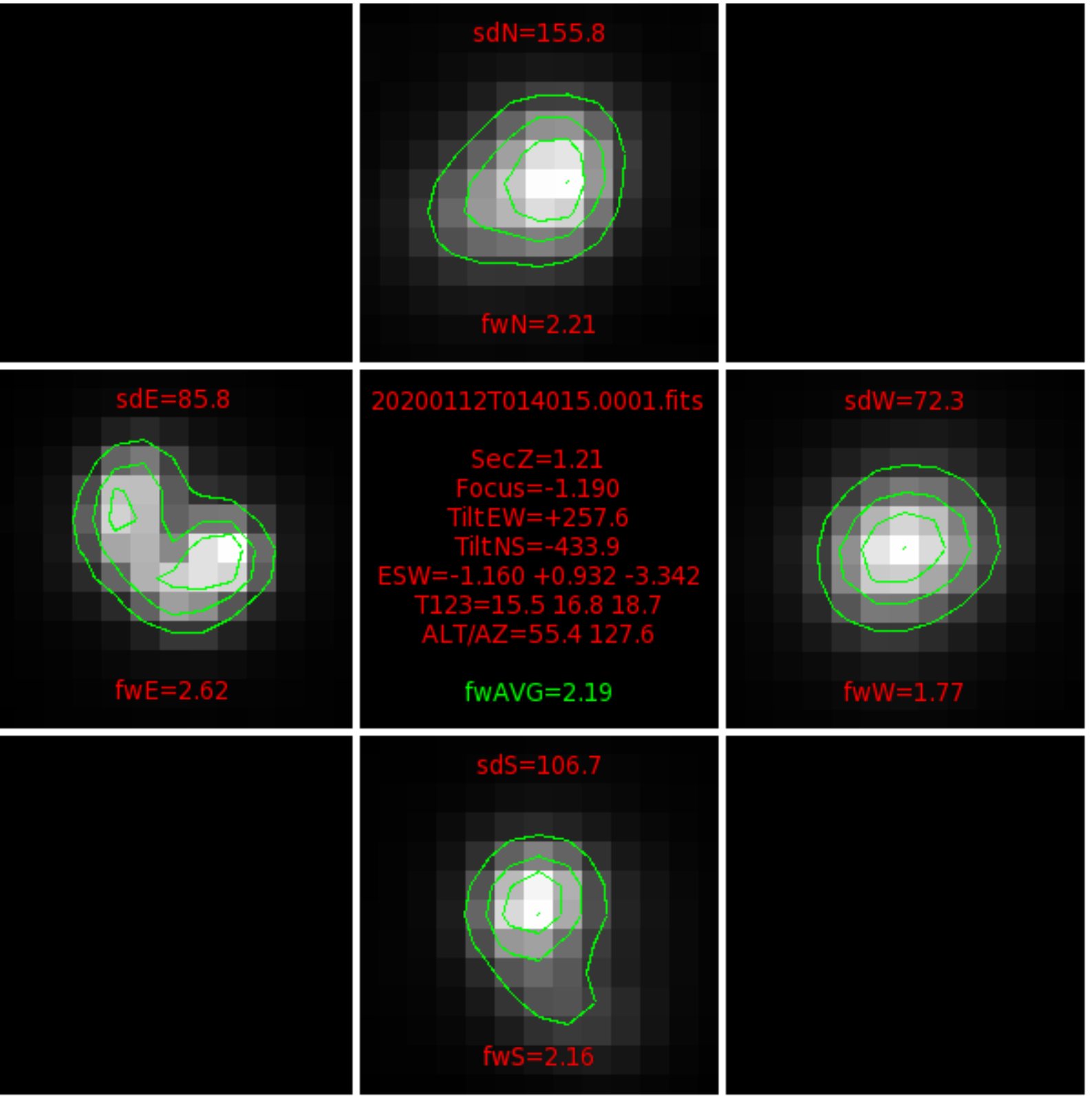
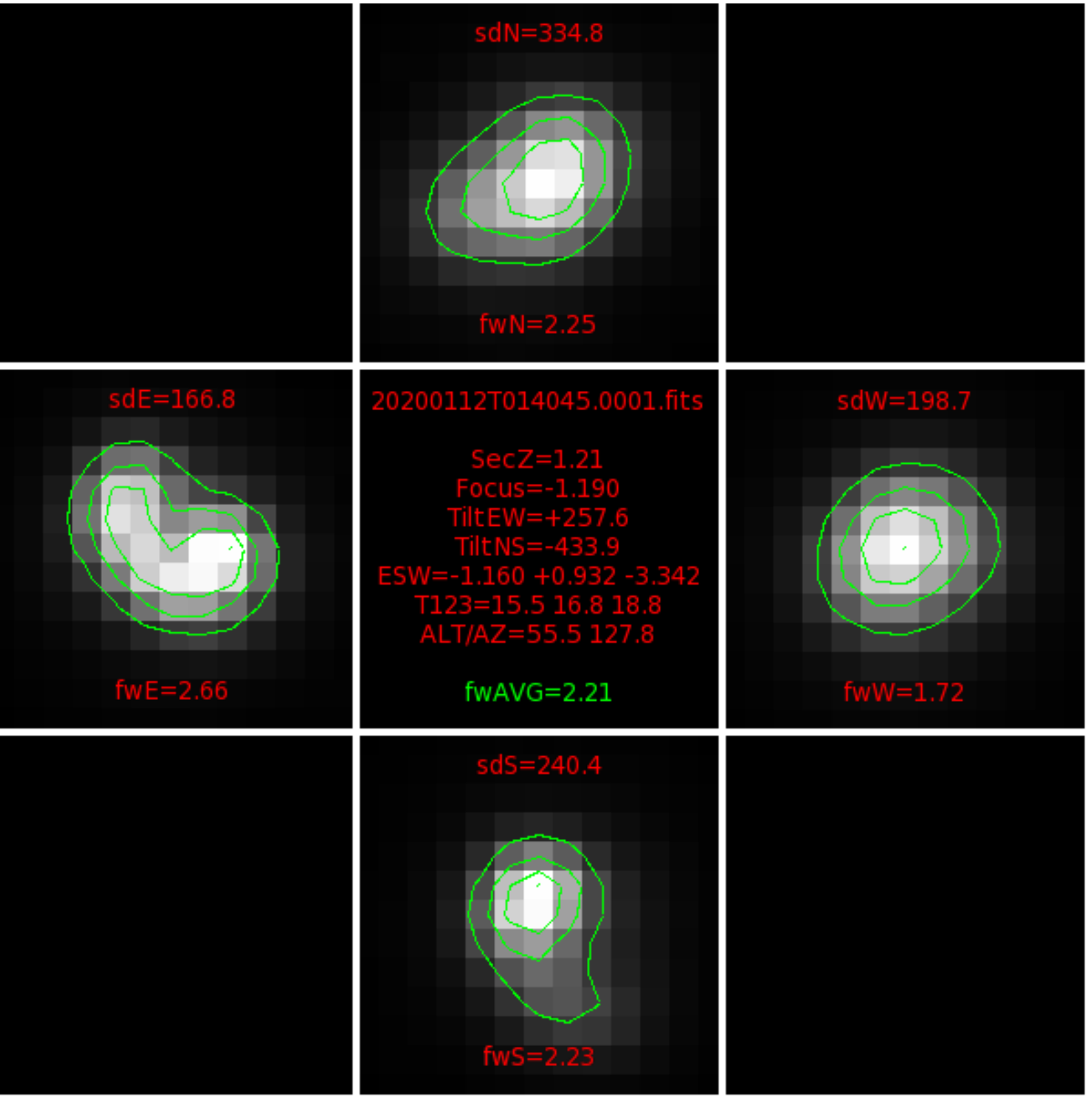

sdN=155.8
fwN=2.21
sdE=85.8
fwE=2.62
20200112T014015.0001.fits
SecZ=1.21
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.5 16.8 18.7
ALT/AZ=55.4 127.6
fwAVG=2.19
sdW=72.3
fwW=1.77
sdS=106.7
fwS=2.16
0 0 0 0 0 0 0 0 0


sdN=334.8
fwN=2.25
sdE=166.8
fwE=2.66
20200112T014045.0001.fits
SecZ=1.21
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.5 16.8 18.8
ALT/AZ=55.5 127.8
fwAVG=2.21
sdW=198.7
fwW=1.72
sdS=240.4
fwS=2.23
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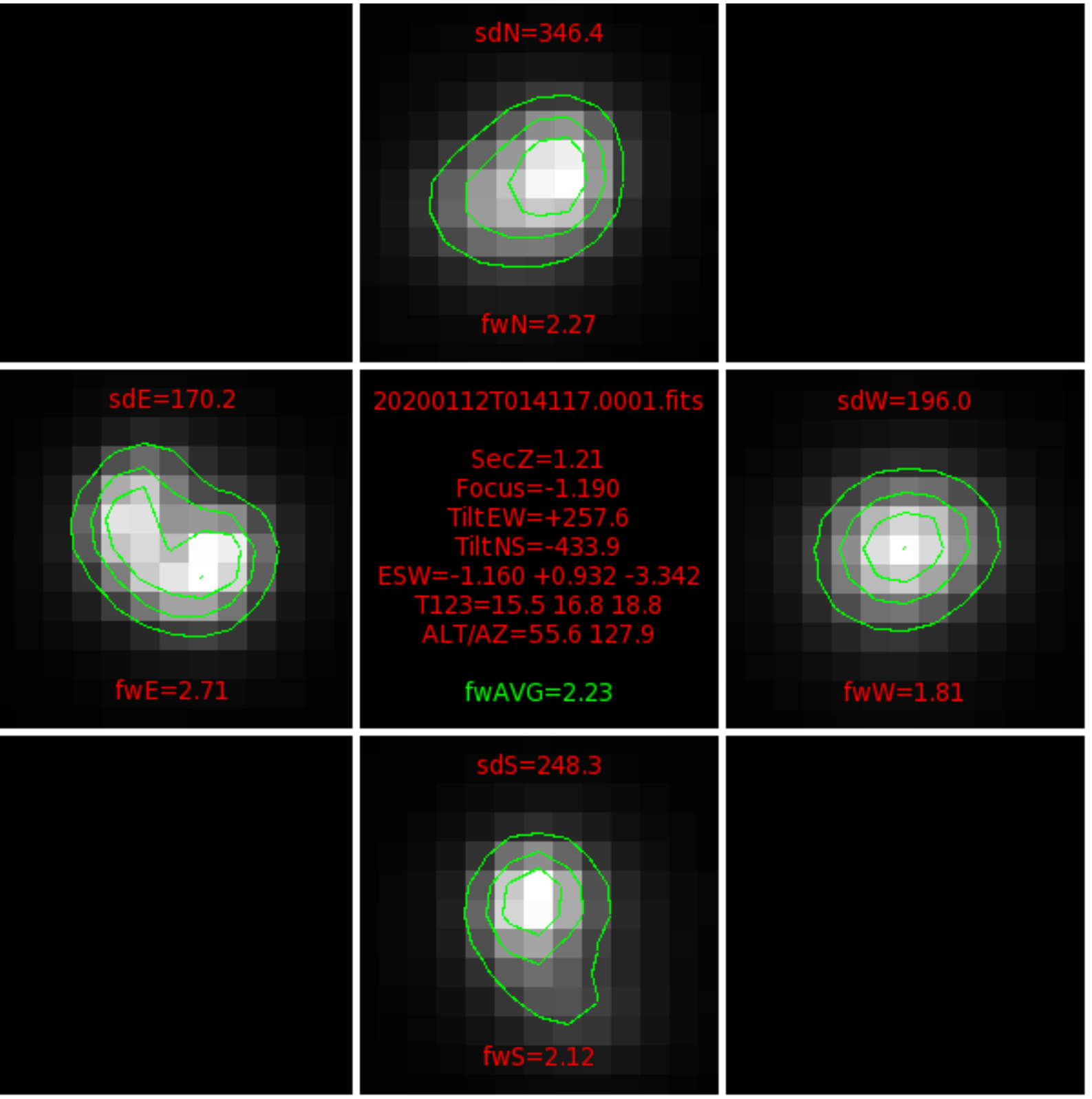
sdN=346.4
fwN=2.27
sdE=170.2
fwE=2.71
20200112T014117.0001.fits
SecZ=1.21
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.5 16.8 18.8
ALT/AZ=55.6 127.9
fwAVG=2.23
sdW=196.0
fwW=1.81
sdS=248.3
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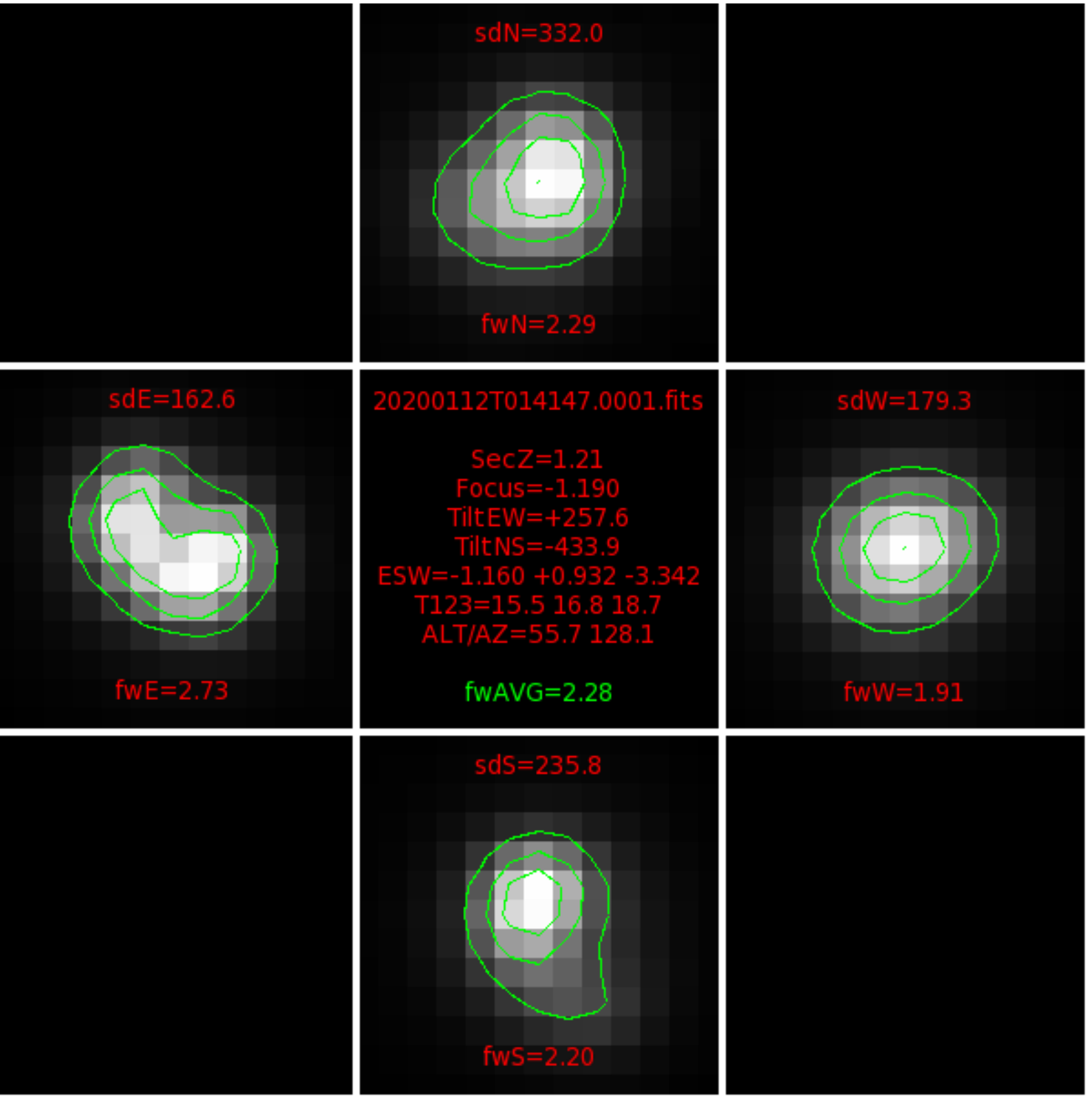
0 0 0 0 0 0 0 0 0


sdN=332.0
fwN=2.29
sdE=162.6
fwE=2.73
20200112T014147.0001.fits
SecZ=1.21
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.5 16.8 18.7
ALT/AZ=55.7 128.1
fwAVG=2.28
sdW=179.3
fwW=1.91
sdS=235.8
fwS=2.20
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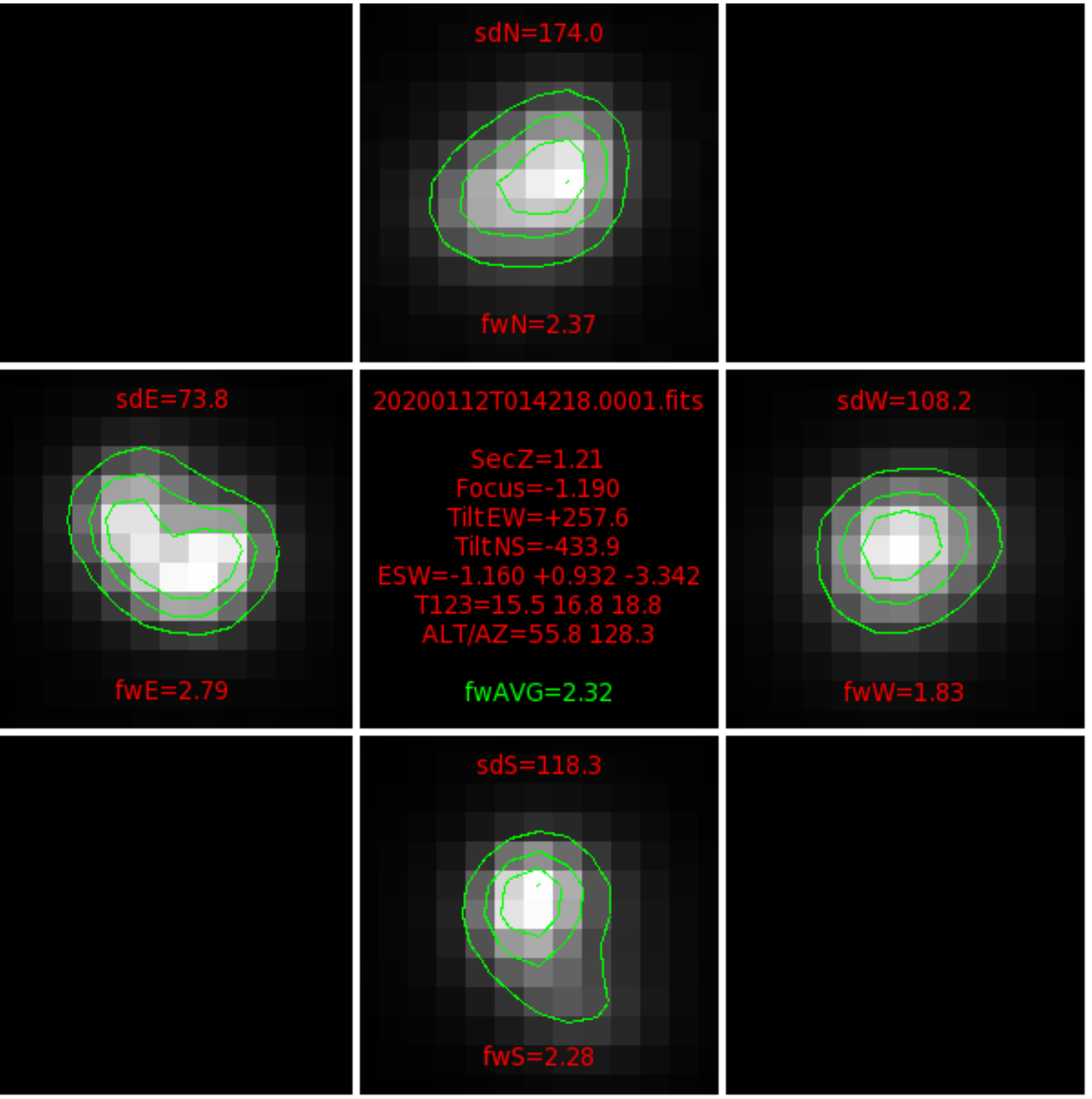
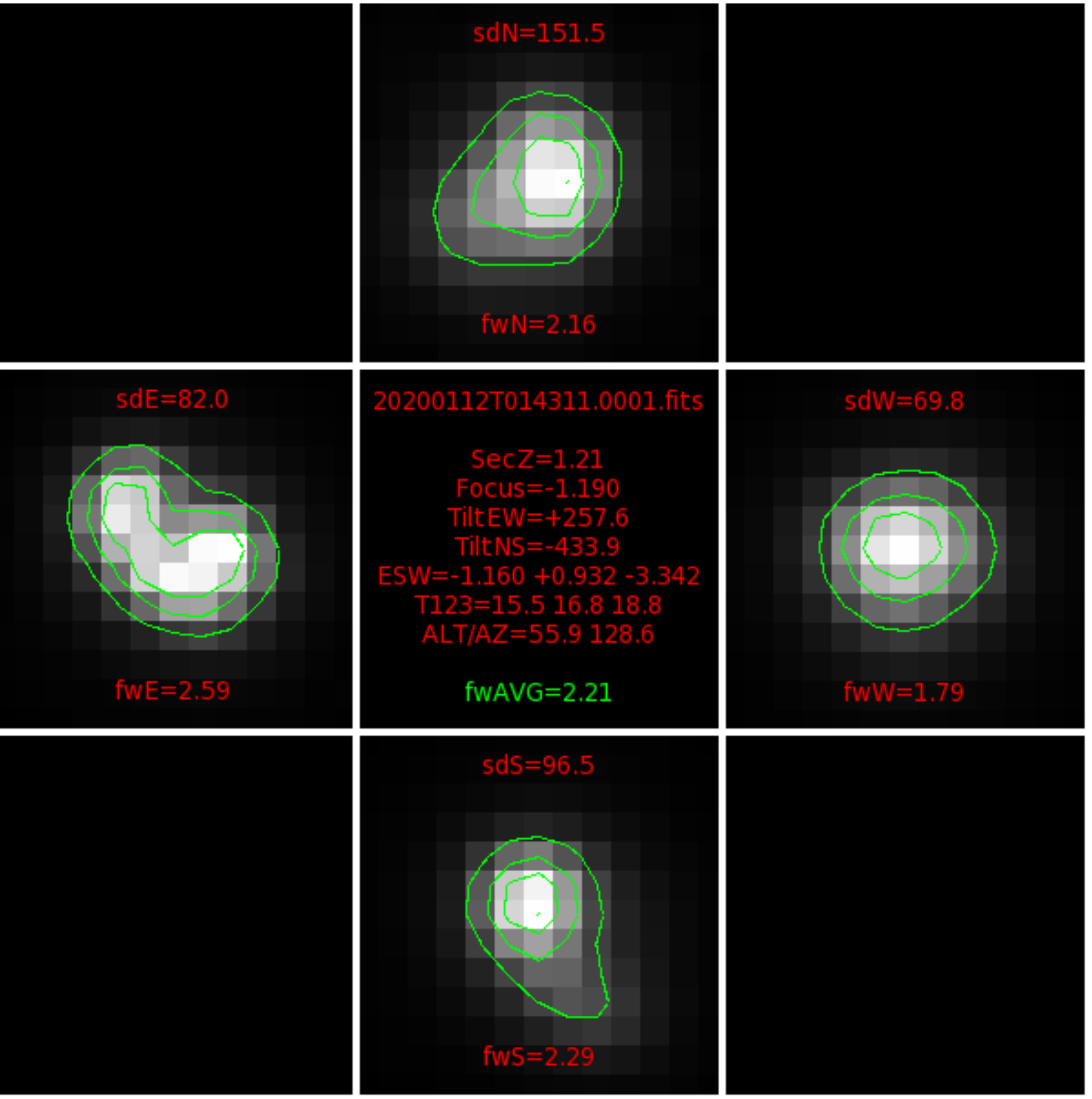

sdN=174.0
fwN=2.37
sdE=73.8
fwE=2.79
20200112T014218.0001.fits
SecZ=1.21
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.5 16.8 18.8
ALT/AZ=55.8 128.3
fwAVG=2.32
sdW=108.2
fwW=1.83
sdS=118.3
fwS=2.28
0 0 0 0 0 0 0 0 0


sdN=151.5
fwN=2.16
sdE=82.0
fwE=2.59
20200112T014311.0001.fits
SecZ=1.21
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.5 16.8 18.8
ALT/AZ=55.9 128.6
fwAVG=2.21
sdW=69.8
fwW=1.79
sdS=96.5
fwS=2.29
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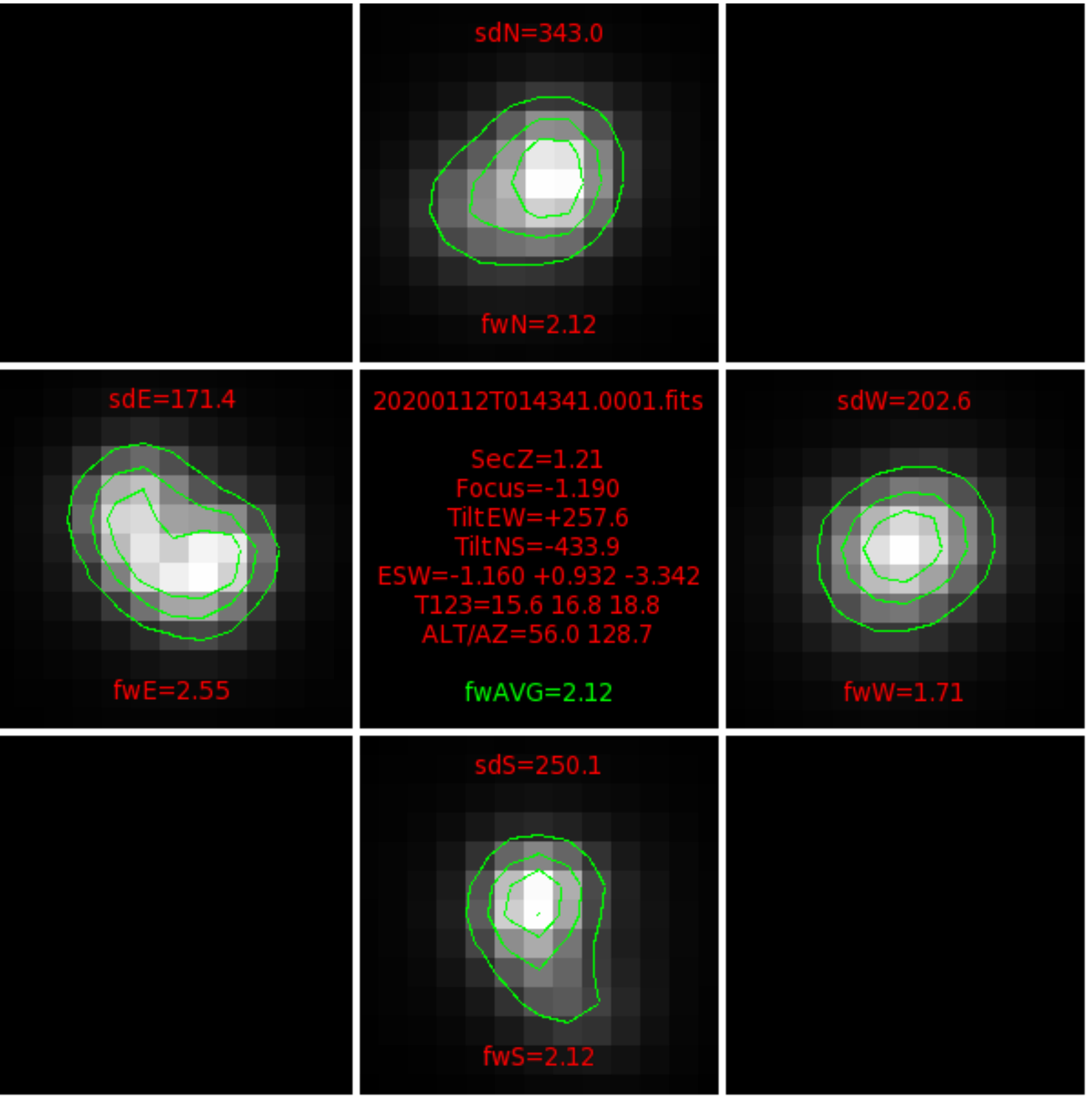
sdN=343.0
fwN=2.12
sdE=171.4
fwE=2.55
20200112T014341.0001.fits
SecZ=1.21
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.6 16.8 18.8
ALT/AZ=56.0 128.7
fwAVG=2.12
sdW=202.6
fwW=1.71
sdS=250.1
fwS=2.12
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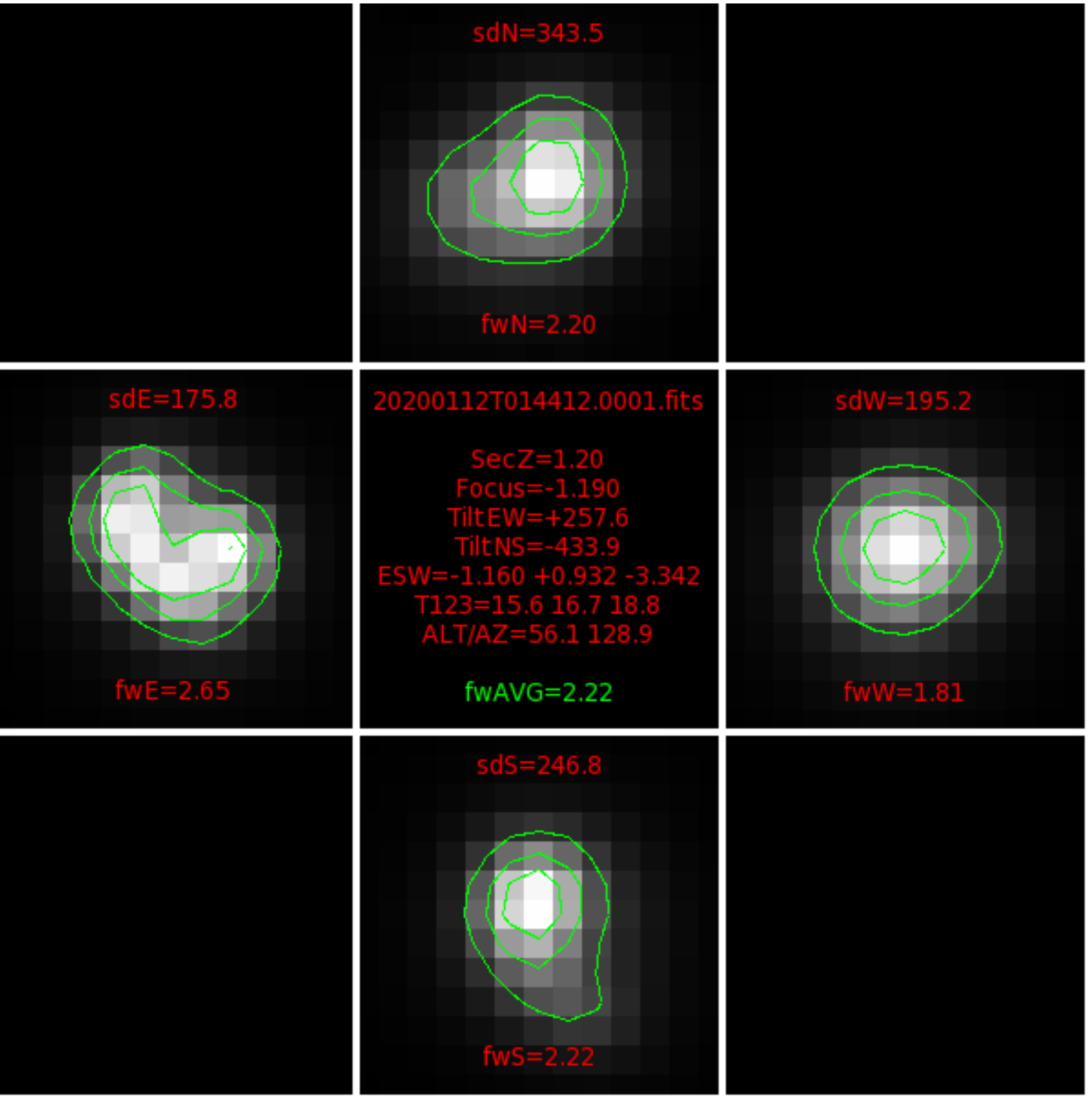
sdN=343.5
fwN=2.20
sdE=175.8
fwE=2.65
20200112T014412.0001.fits
SecZ=1.20
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.6 16.7 18.8
ALT/AZ=56.1 128.9
fwAVG=2.22
sdW=195.2
fwW=1.81
sdS=246.8
fwS=2.22
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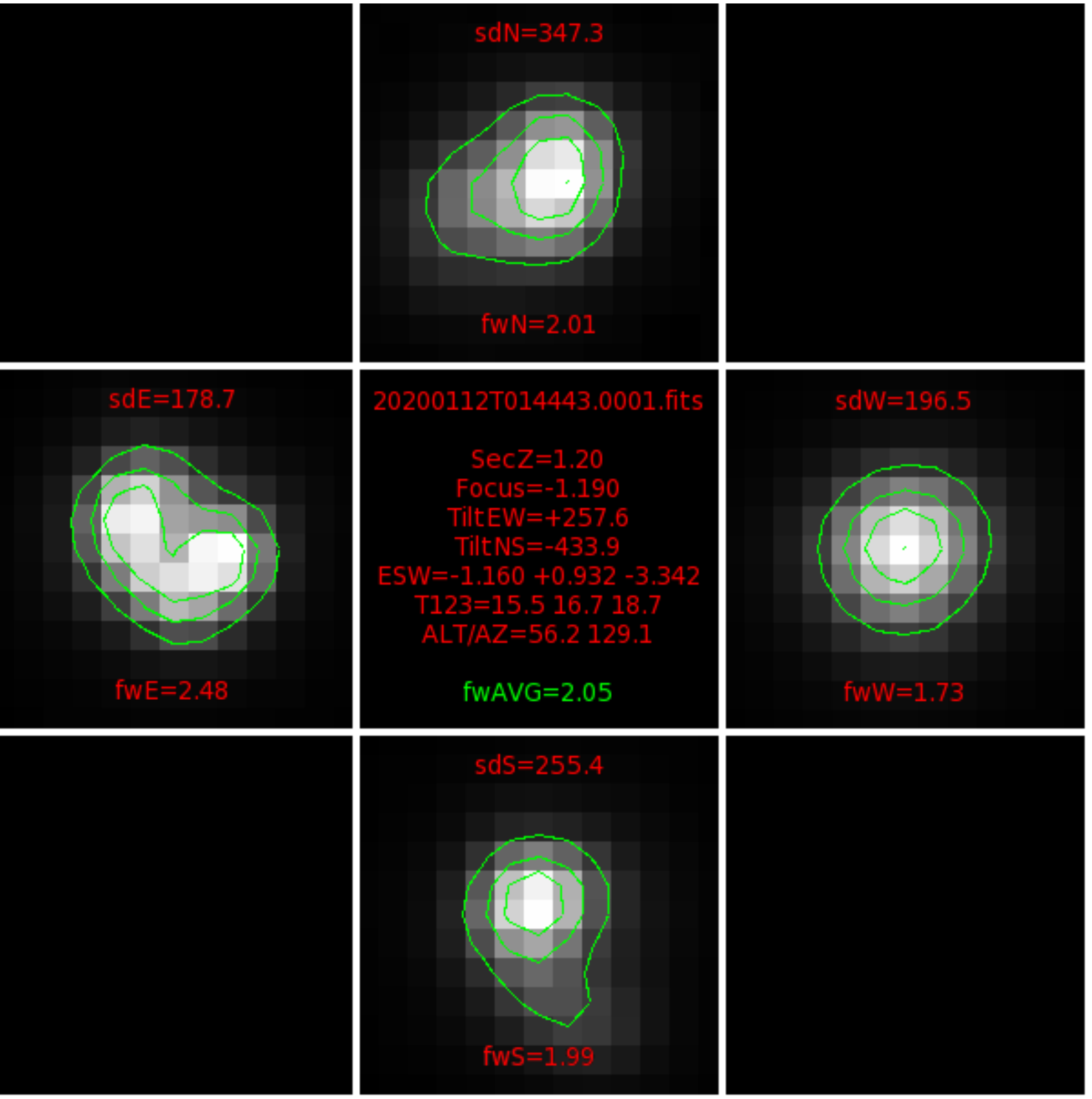
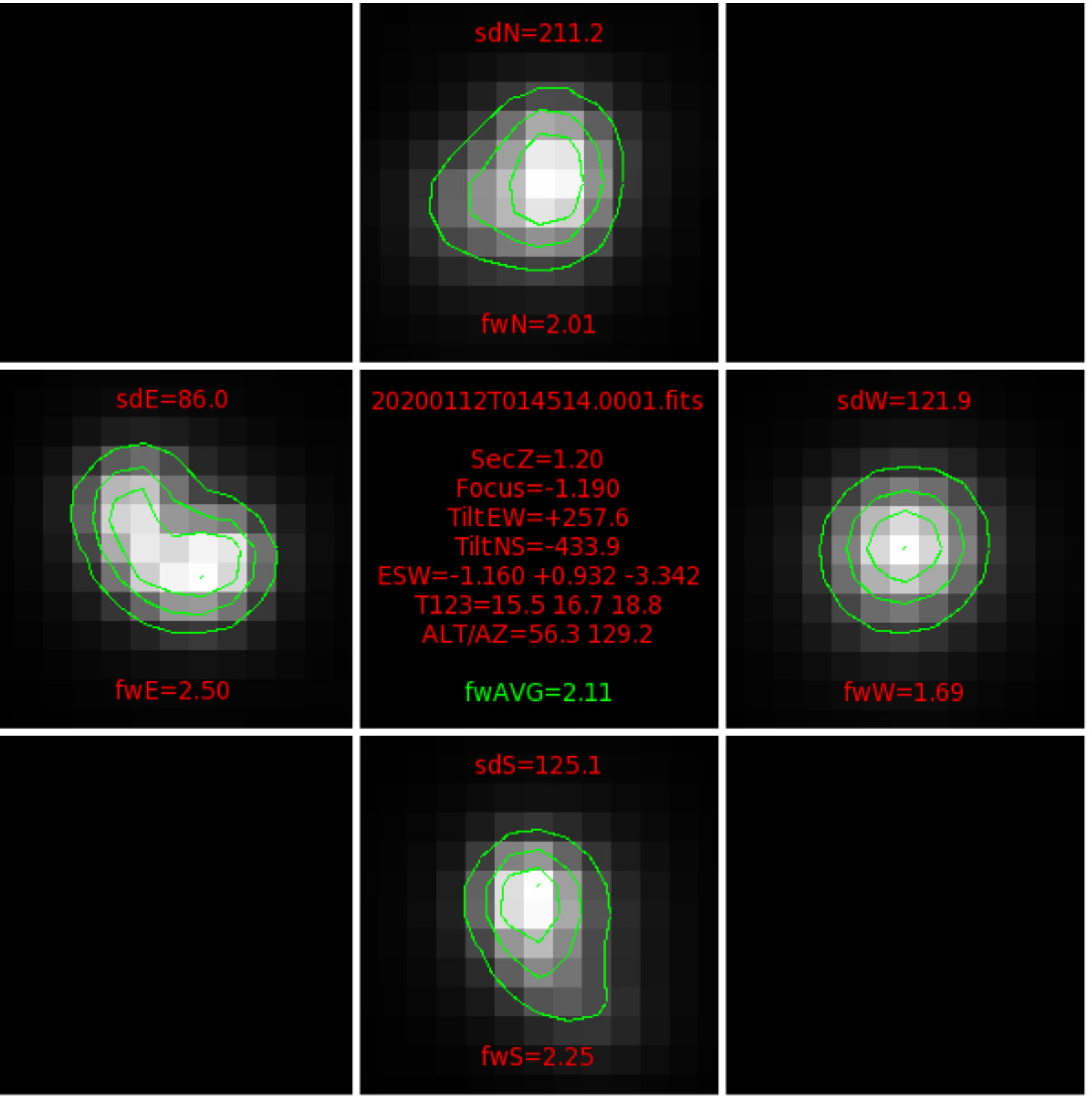

sdN=347.3
fwN=2.01
sdE=178.7
fwE=2.48
20200112T014443.0001.fits
SecZ=1.20
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.5 16.7 18.7
ALT/AZ=56.2 129.1
fwAVG=2.05
sdW=196.5
fwW=1.73
sdS=255.4
fwS=1.99
0 0 0 0 0 0 0 0 0


sdN=211.2
fwN=2.01
sdE=86.0
fwE=2.50
20200112T014514.0001.fits
SecZ=1.20
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.5 16.7 18.8
ALT/AZ=56.3 129.2
fwAVG=2.11
sdW=121.9
fwW=1.69
sdS=125.1
fwS=2.25
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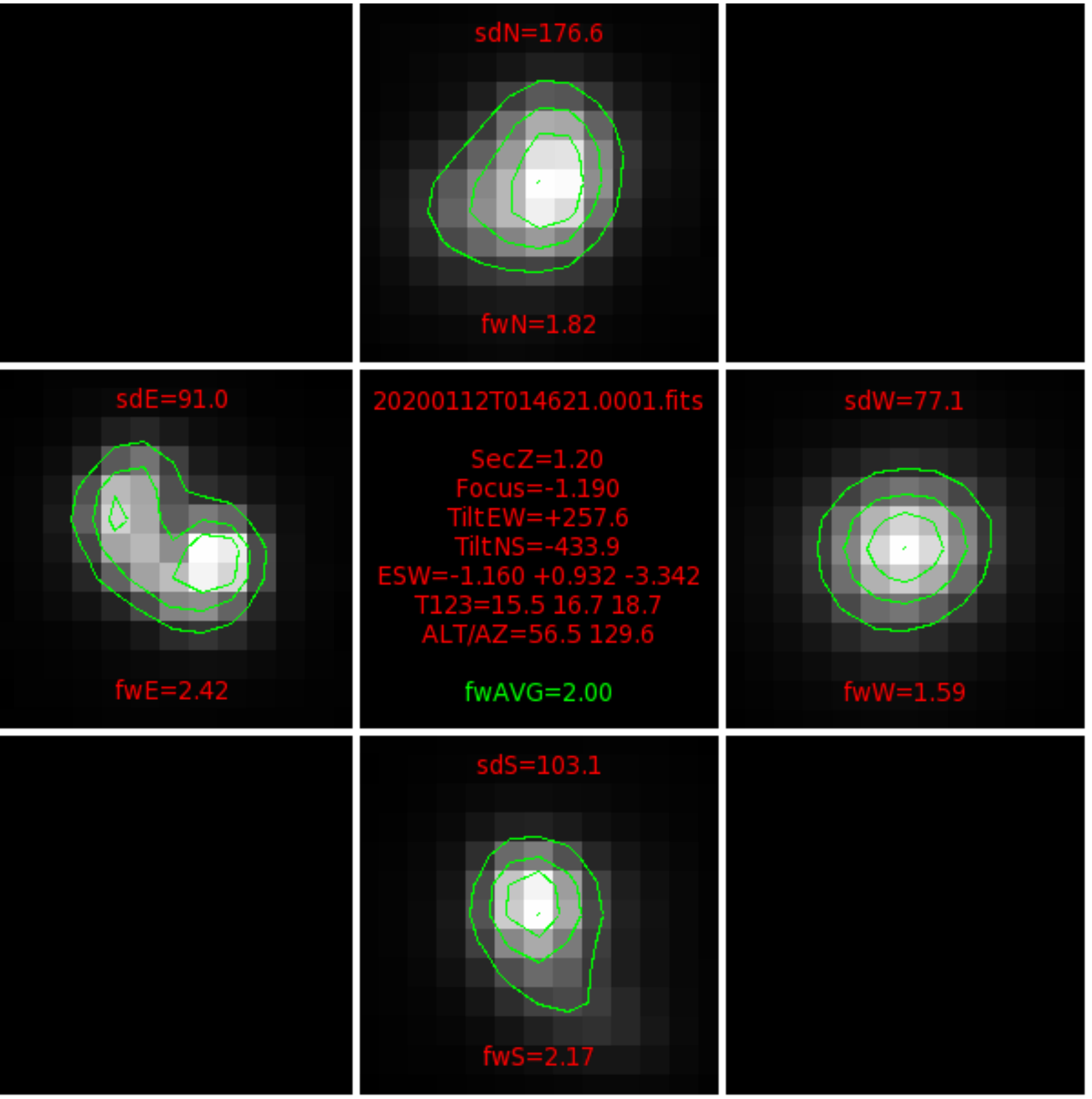
sdN=176.6
fwN=1.82
sdE=91.0
fwE=2.42
20200112T014621.0001.fits
SecZ=1.20
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.5 16.7 18.7
ALT/AZ=56.5 129.6
fwAVG=2.00
sdW=77.1
fwW=1.59
sdS=103.1
fwS=2.17
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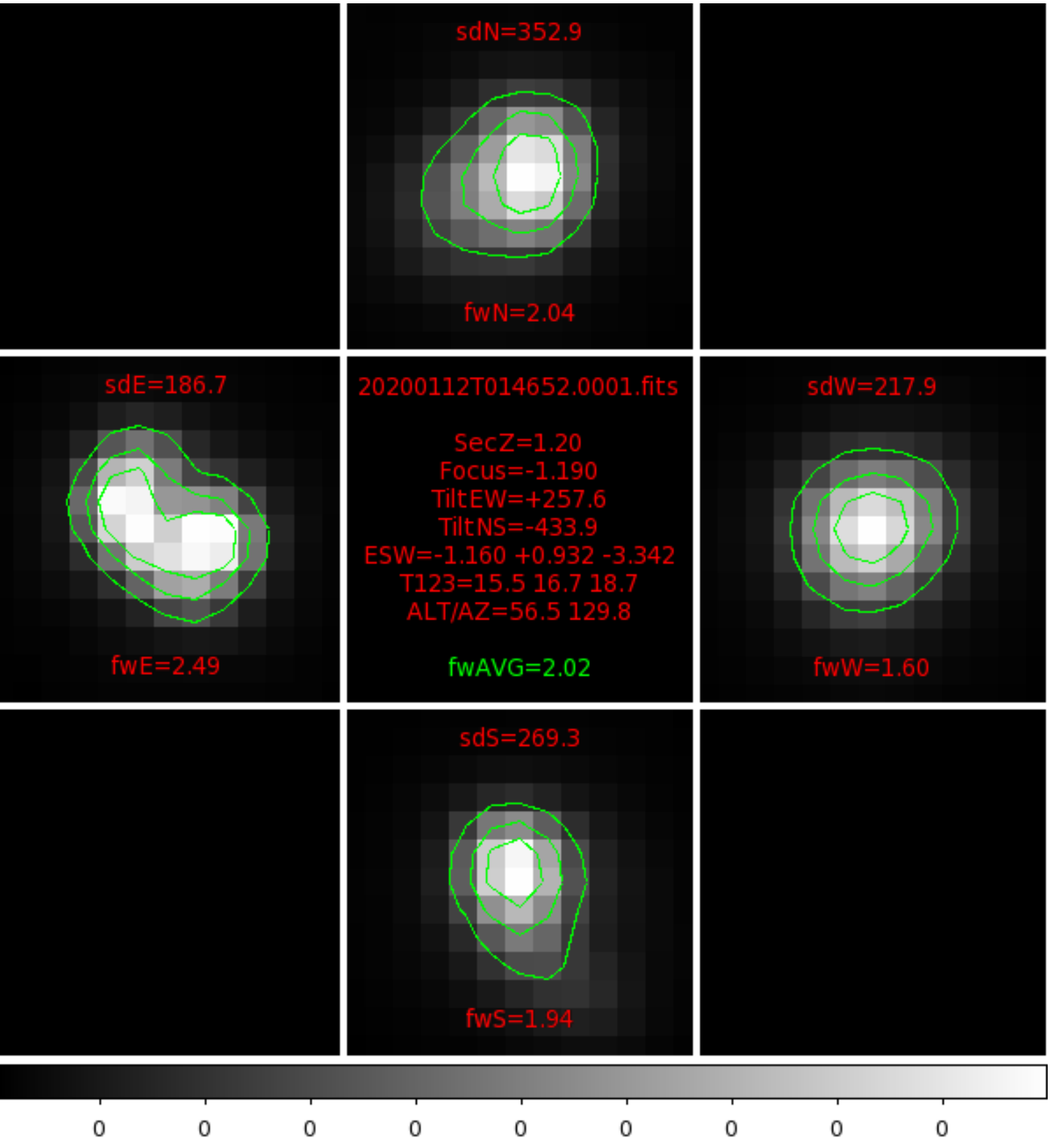
sdN=352.9
fwN=2.04
sdE=186.7
fwE=2.49
20200112T014652.0001.fits
SecZ=1.20
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.5 16.7 18.7
ALT/AZ=56.5 129.8
fwAVG=2.02
sdW=217.9
fwW=1.60
sdS=269.3
fwS=1.94
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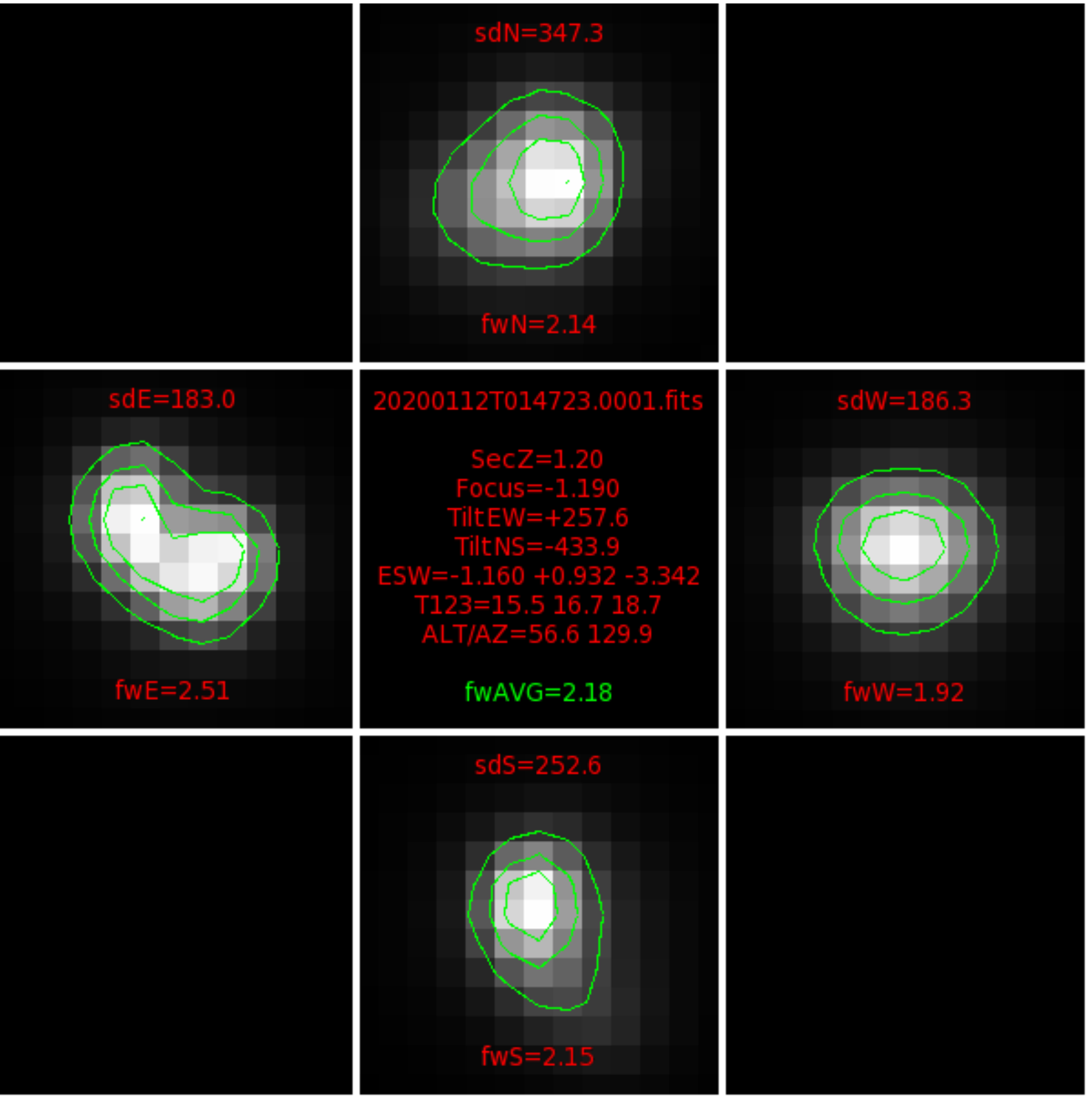
sdN=347.3
fwN=2.14
sdE=183.0
fwE=2.51
20200112T014723.0001.fits
SecZ=1.20
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.5 16.7 18.7
ALT/AZ=56.6 129.9
fwAVG=2.18
sdW=186.3
fwW=1.92
sdS=252.6
fwS=2.15
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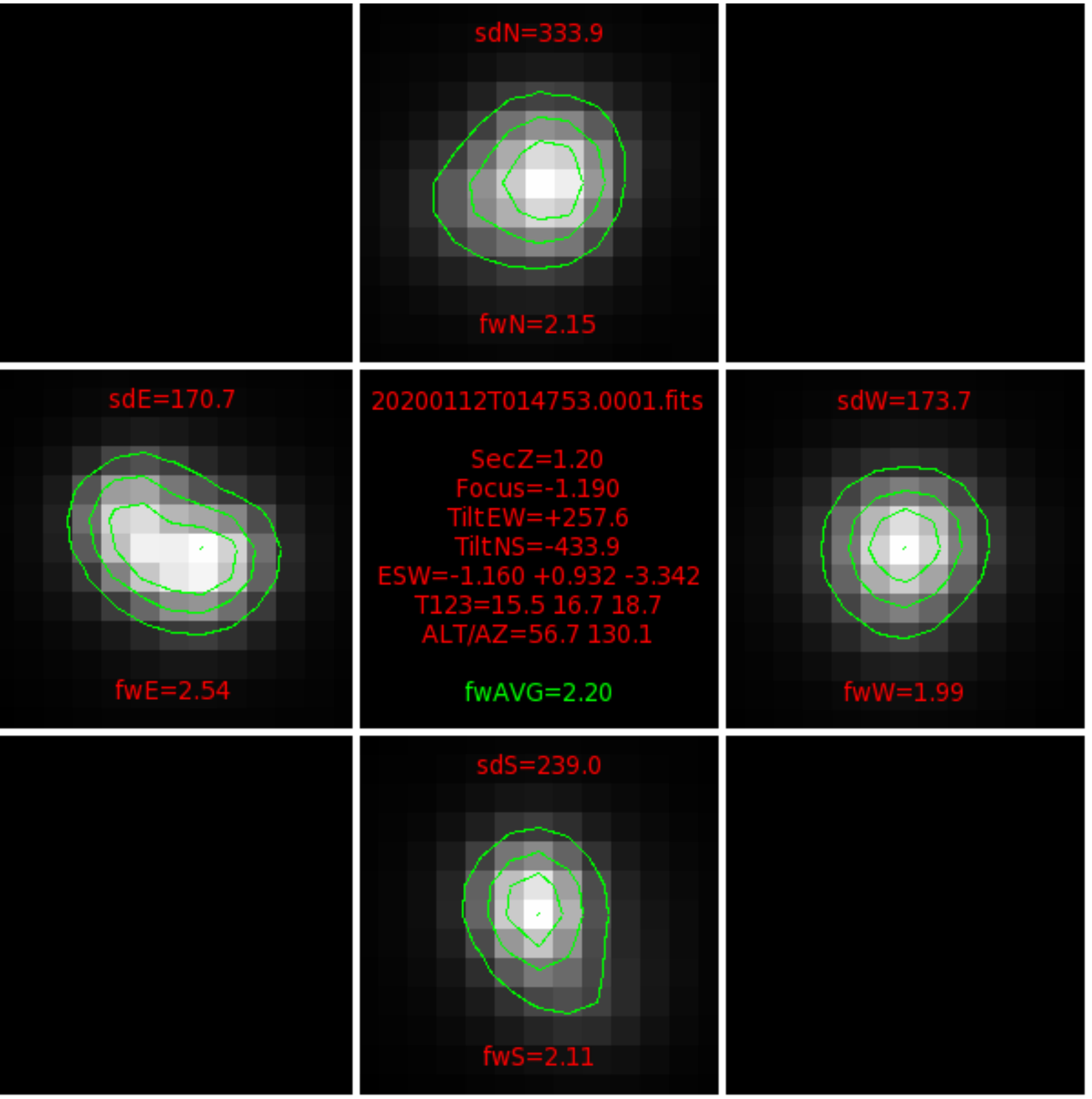
sdN=333.9
fwN=2.15
sdE=170.7
fwE=2.54
20200112T014753.0001.fits
SecZ=1.20
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.5 16.7 18.7
ALT/AZ=56.7 130.1
fwAVG=2.20
sdW=173.7
fwW=1.99
sdS=239.0
fwS=2.11
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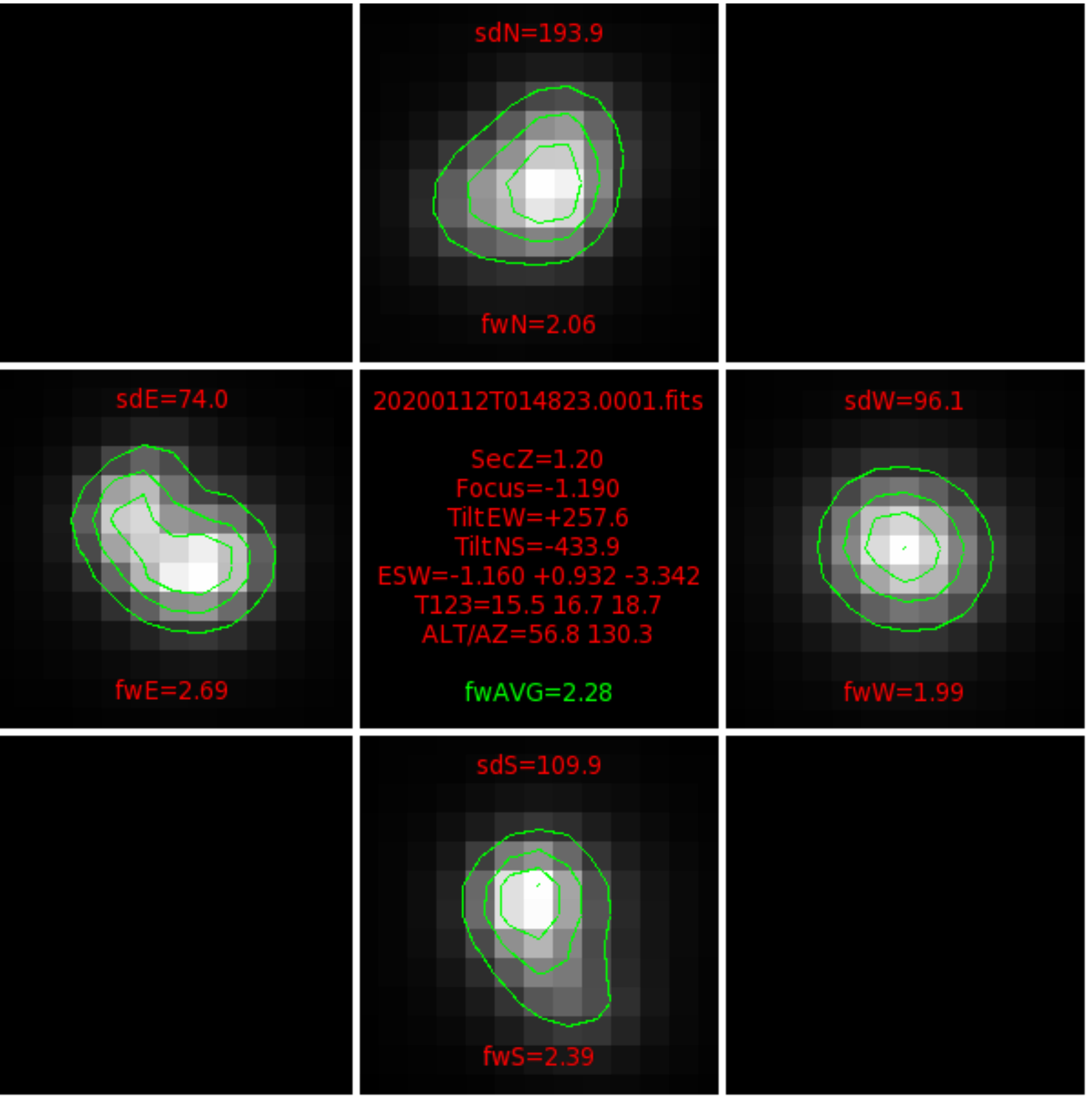
sdN=193.9
fwN=2.06
sdE=74.0
fwE=2.69
20200112T014823.0001.fits
SecZ=1.20
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.5 16.7 18.7
ALT/AZ=56.8 130.3
fwAVG=2.28
sdW=96.1
fwW=1.99
sdS=109.9
fwS=2.39
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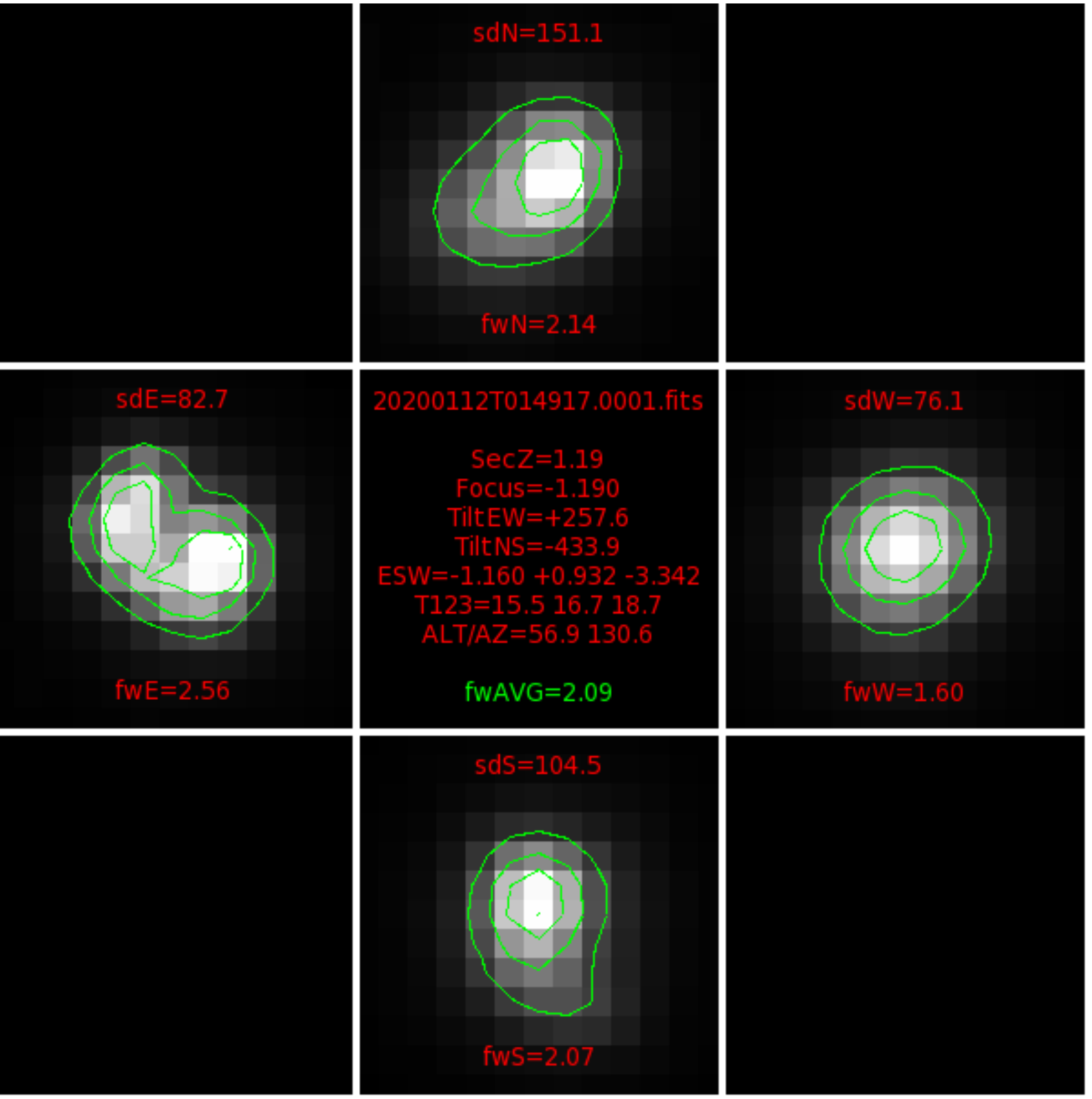
sdN=151.1
fwN=2.14
sdE=82.7
fwE=2.56
20200112T014917.0001.fits
SecZ=1.19
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.5 16.7 18.7
ALT/AZ=56.9 130.6
fwAVG=2.09
sdW=76.1
fwW=1.60
sdS=104.5
fwS=2.07
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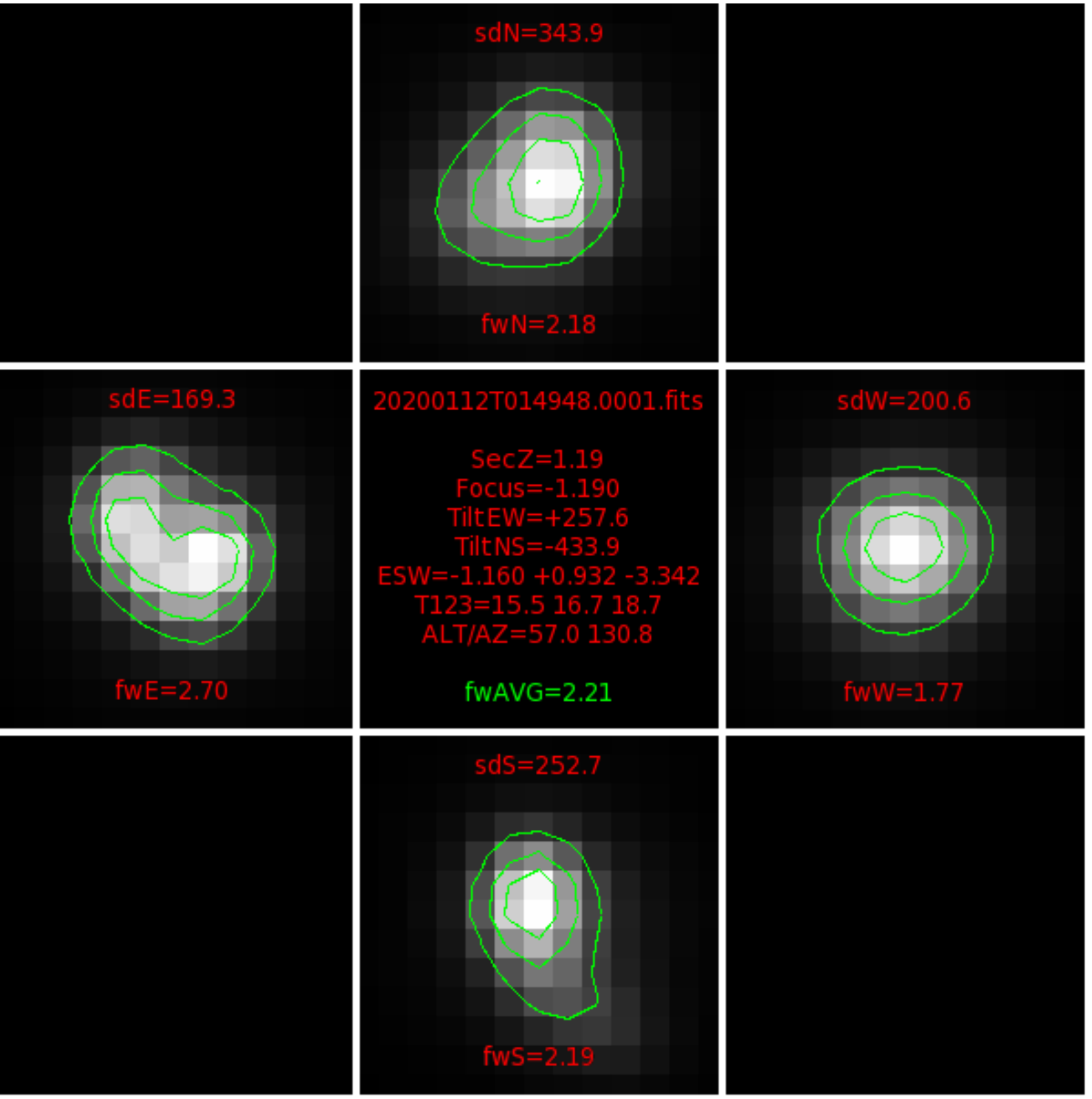
sdN=343.9
fwN=2.18
sdE=169.3
fwE=2.70
20200112T014948.0001.fits
SecZ=1.19
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.5 16.7 18.7
ALT/AZ=57.0 130.8
fwAVG=2.21
sdW=200.6
fwW=1.77
sdS=252.7
fwS=2.19
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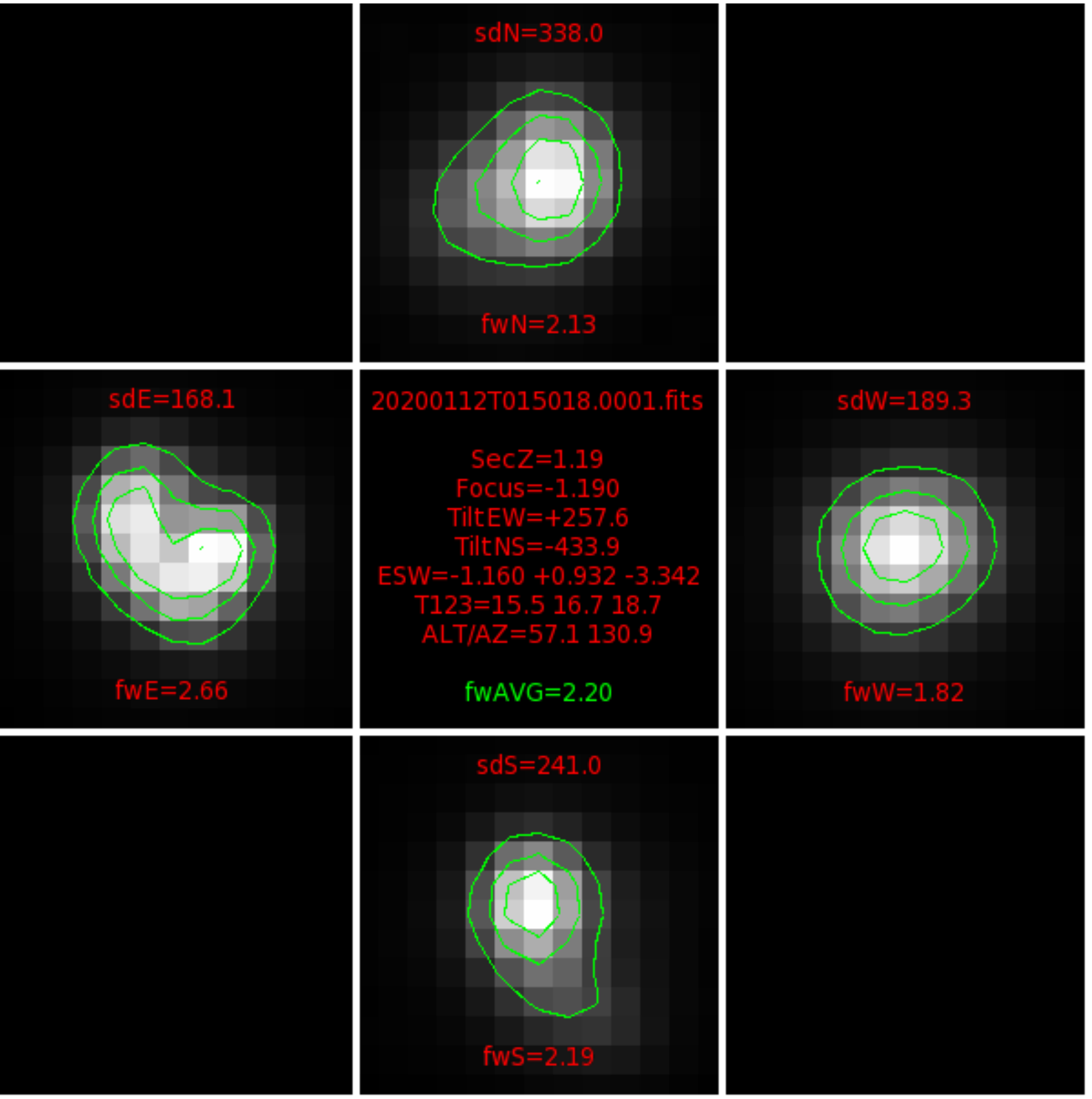
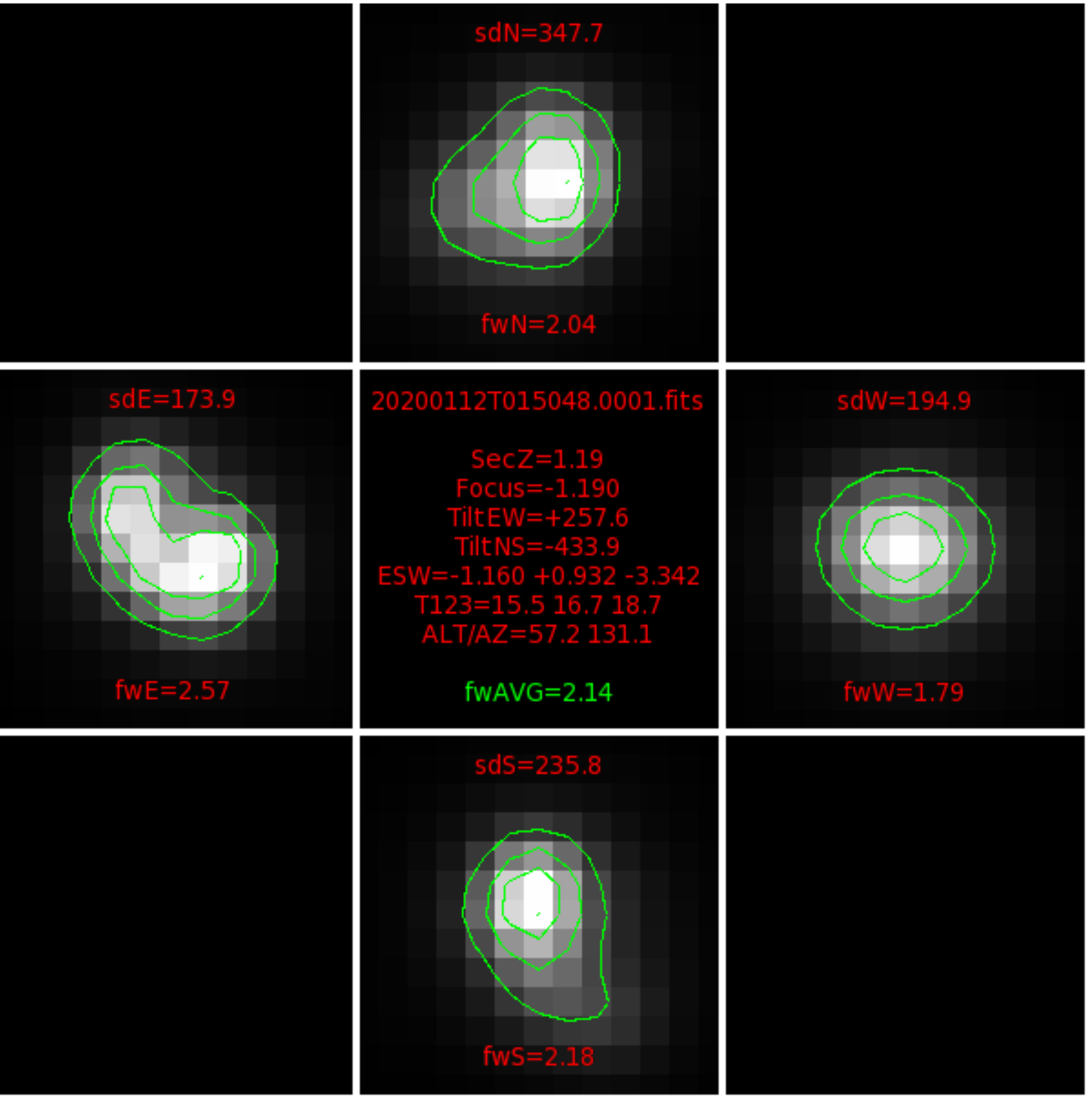
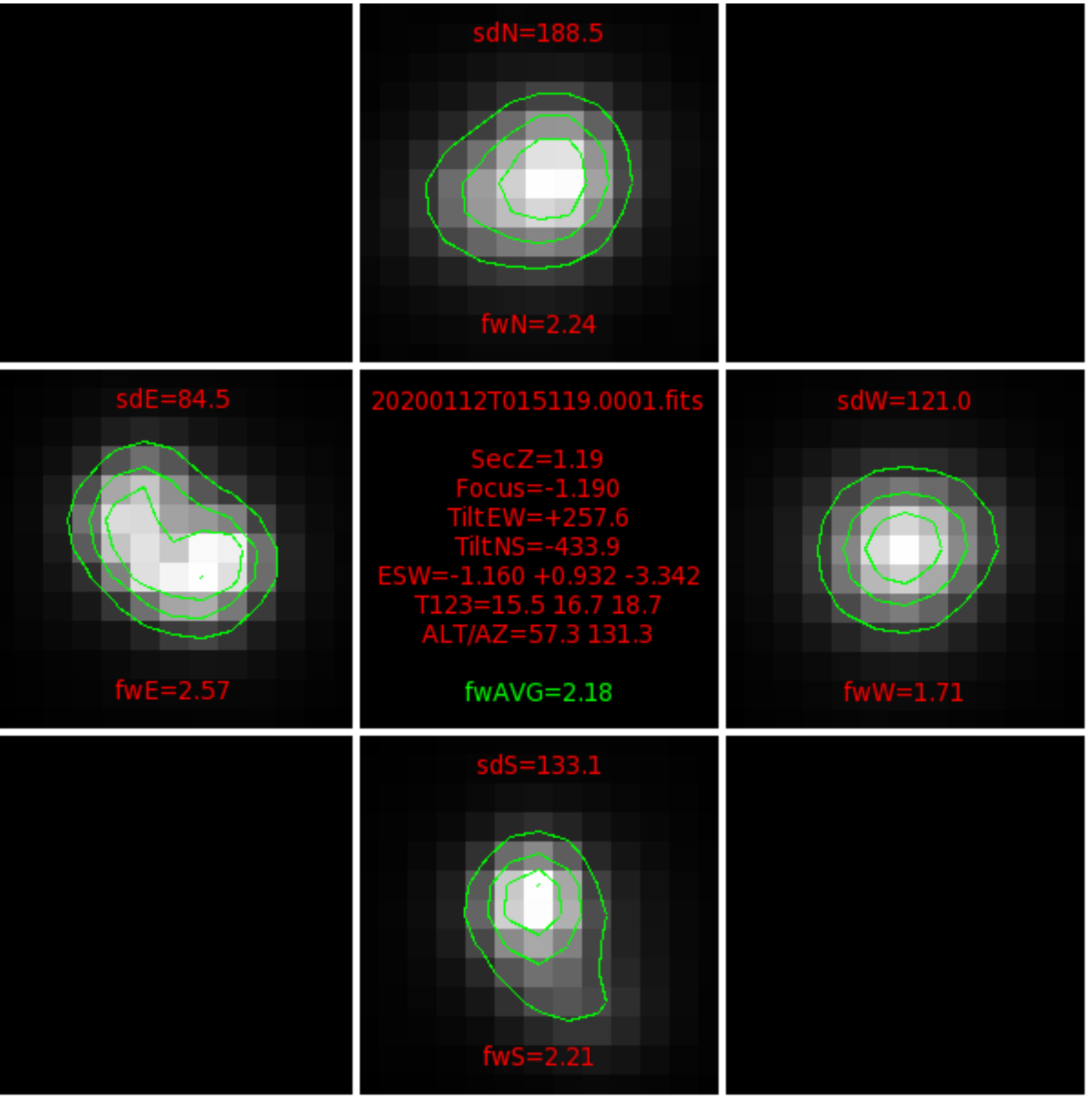

sdN=338.0
fwN=2.13
sdE=168.1
fwE=2.66
20200112T015018.0001.fits
SecZ=1.19
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.5 16.7 18.7
ALT/AZ=57.1 130.9
fwAVG=2.20
sdW=189.3
fwW=1.82
sdS=241.0
fwS=2.19
0 0 0 0 0 0 0 0 0


sdN=347.7
fwN=2.04
sdE=173.9
fwE=2.57
20200112T015048.0001.fits
SecZ=1.19
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.5 16.7 18.7
ALT/AZ=57.2 131.1
fwAVG=2.14
sdW=194.9
fwW=1.79
sdS=235.8
fwS=2.18
0 0 0 0 0 0 0 0 0


sdN=188.5
fwN=2.24
sdE=84.5
fwE=2.57
20200112T015119.0001.fits
SecZ=1.19
Focus=-1.190
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.160 +0.932 -3.342
T123=15.5 16.7 18.7
ALT/AZ=57.3 131.3
fwAVG=2.18
sdW=121.0
fwW=1.71
sdS=133.1
fwS=2.21
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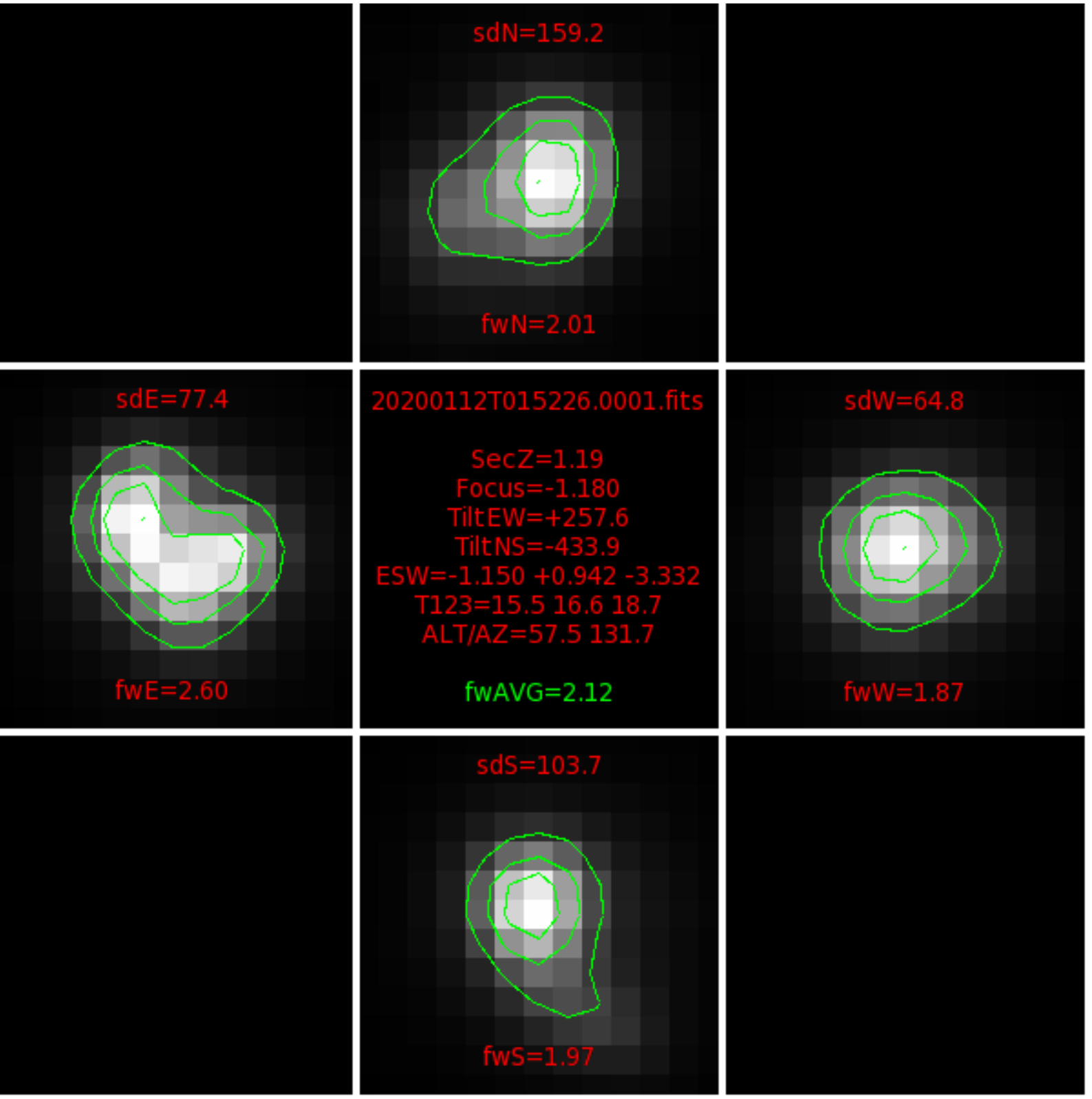
sdN=159.2
fwN=2.01
sdE=77.4
fwE=2.60
20200112T015226.0001.fits
SecZ=1.19
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.6 18.7
ALT/AZ=57.5 131.7
fwAVG=2.12
sdW=64.8
fwW=1.87
sdS=103.7
fwS=1.97
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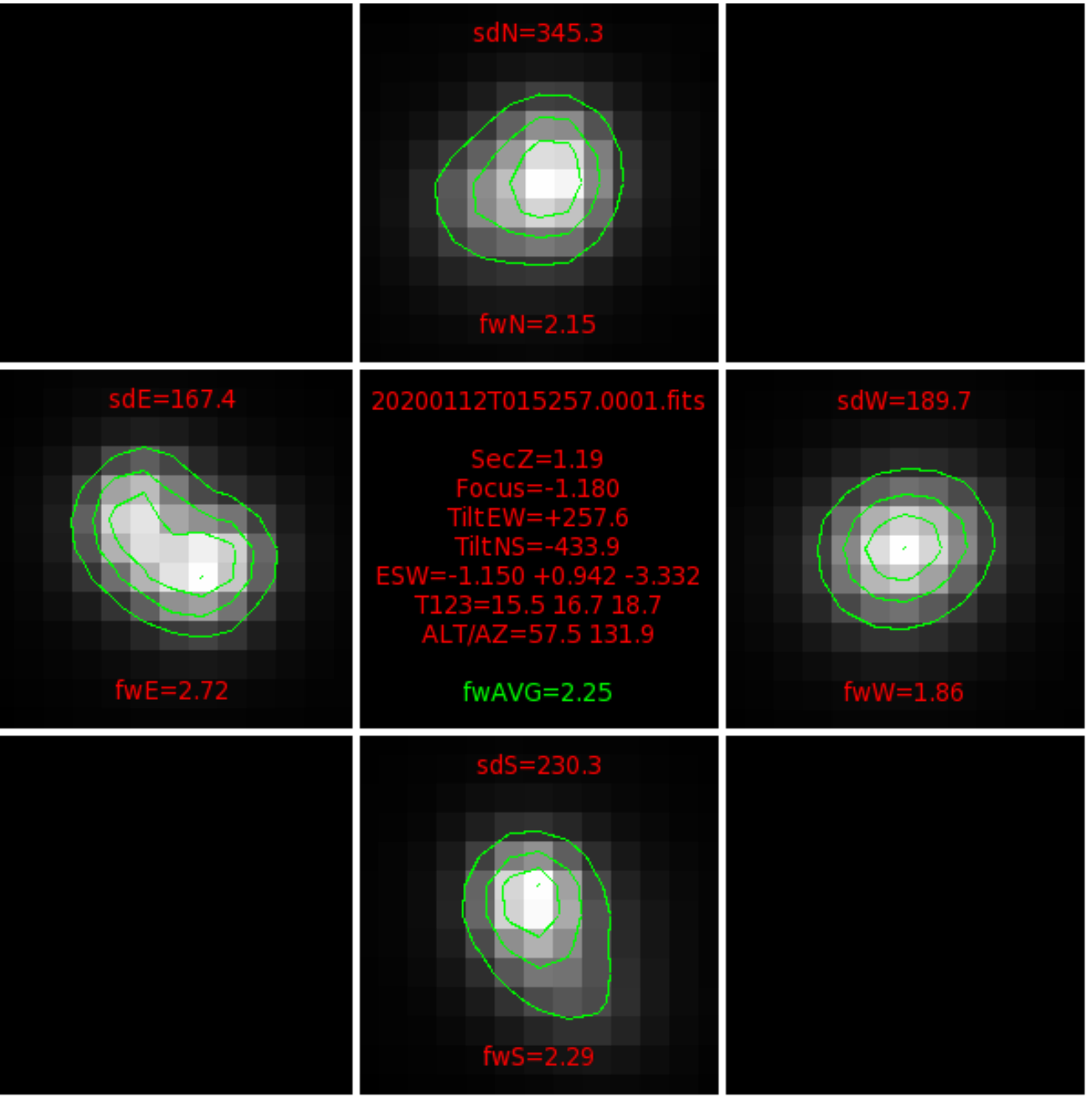
sdN=345.3
fwN=2.15
sdE=167.4
fwE=2.72
20200112T015257.0001.fits
SecZ=1.19
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.7 18.7
ALT/AZ=57.5 131.9
fwAVG=2.25
sdW=189.7
fwW=1.86
sdS=230.3
fwS=2.29
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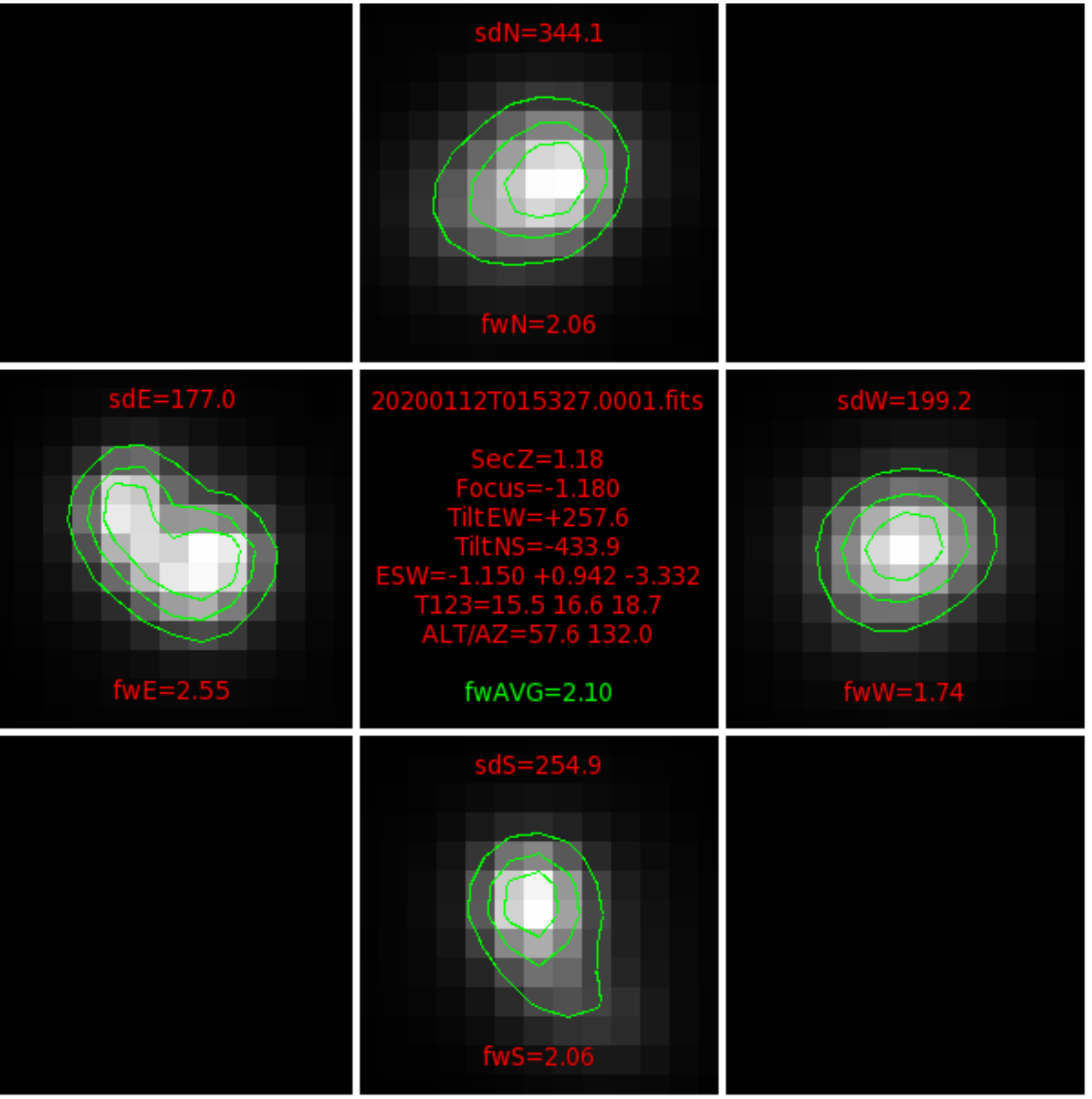
sdN=344.1
fwN=2.06
sdE=177.0
fwE=2.55
20200112T015327.0001.fits
SecZ=1.18
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.6 18.7
ALT/AZ=57.6 132.0
fwAVG=2.10
sdW=199.2
fwW=1.74
sdS=254.9
fwS=2.06
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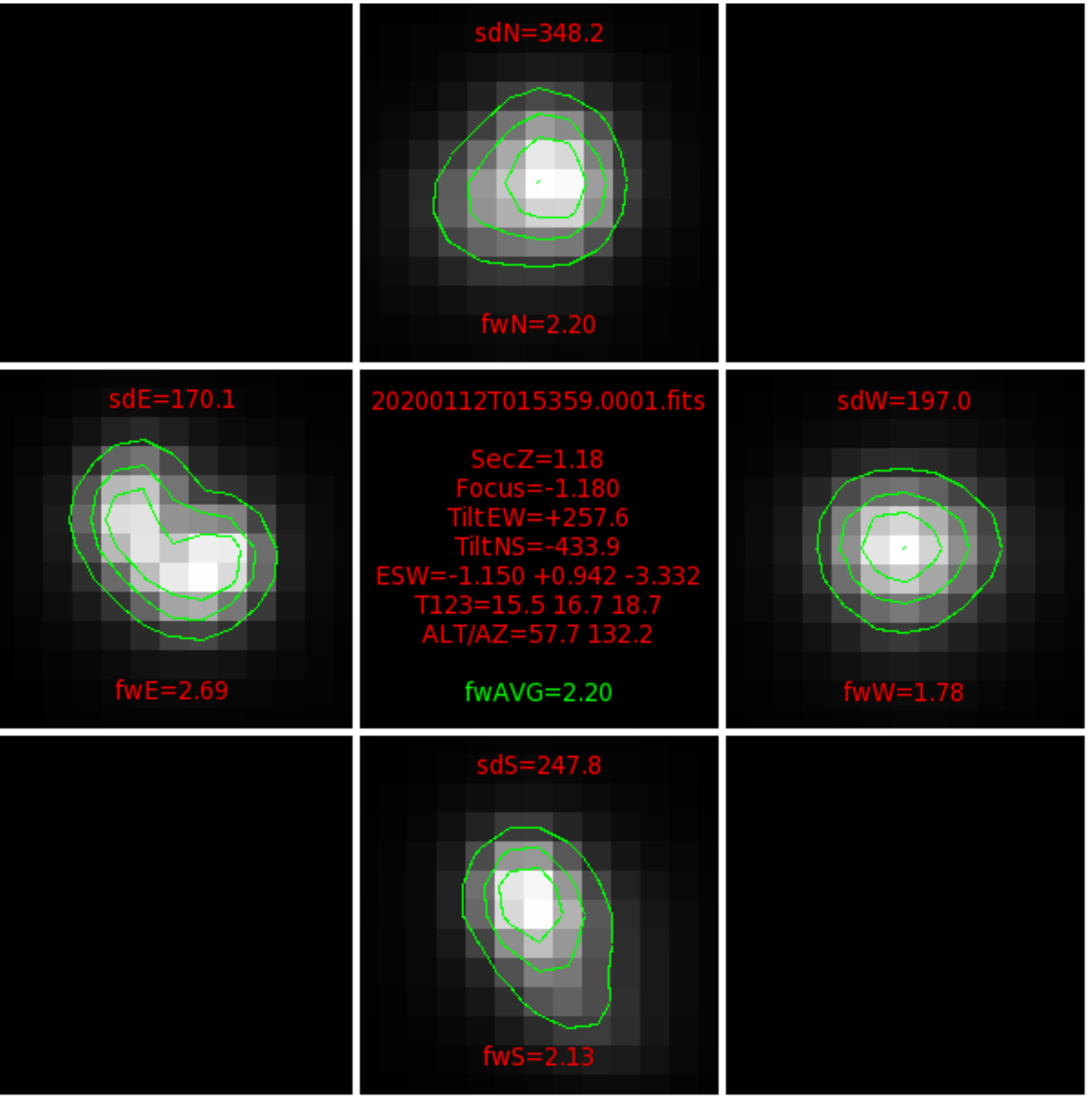
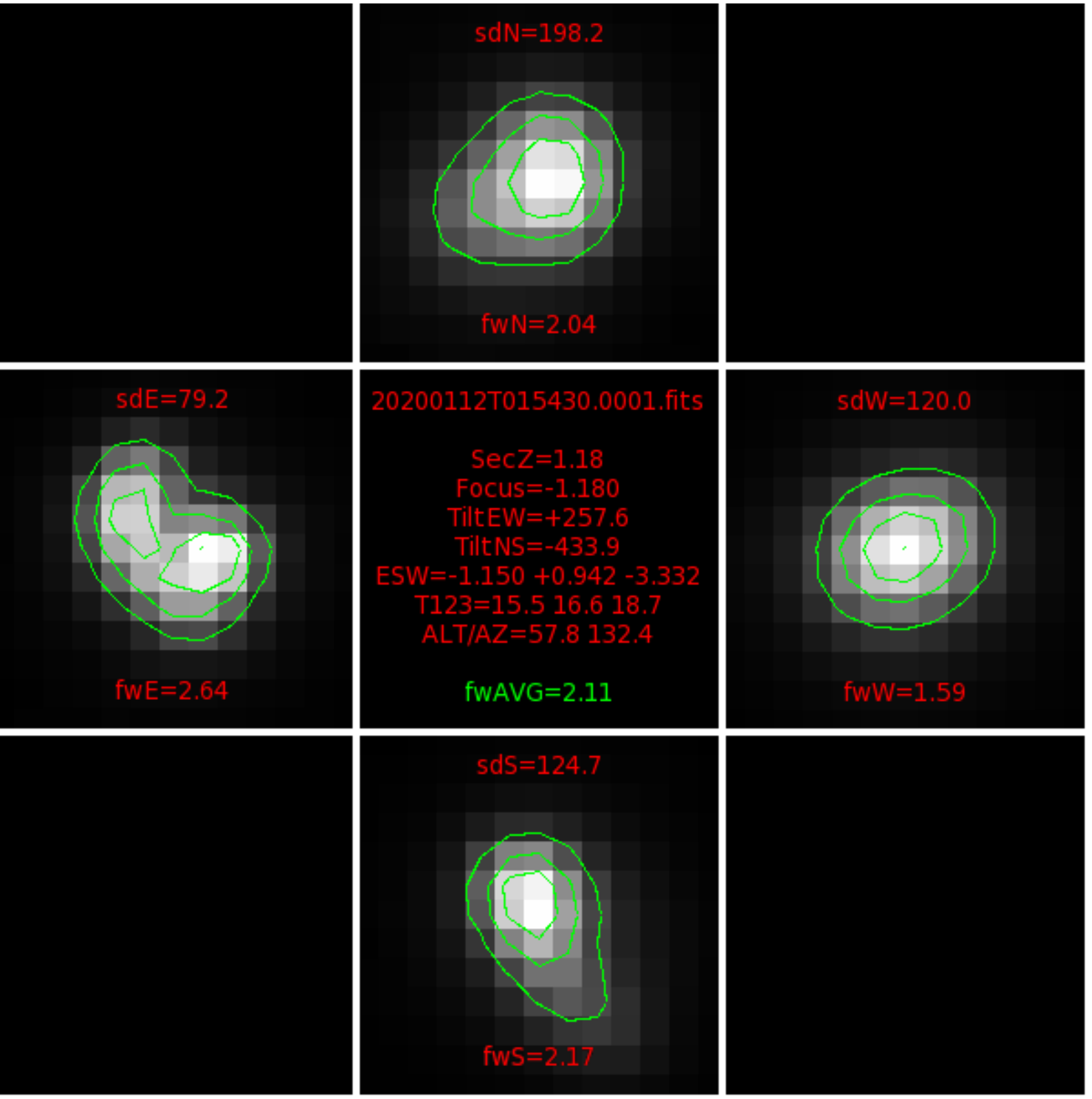

sdN=348.2
fwN=2.20
sdE=170.1
fwE=2.69
20200112T015359.0001.fits
SecZ=1.18
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.7 18.7
ALT/AZ=57.7 132.2
fwAVG=2.20
sdW=197.0
fwW=1.78
sdS=247.8
fwS=2.13
0 0 0 0 0 0 0 0 0


sdN=198.2
fwN=2.04
sdE=79.2
fwE=2.64
20200112T015430.0001.fits
SecZ=1.18
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.6 18.7
ALT/AZ=57.8 132.4
fwAVG=2.11
sdW=120.0
fwW=1.59
sdS=124.7
fwS=2.17
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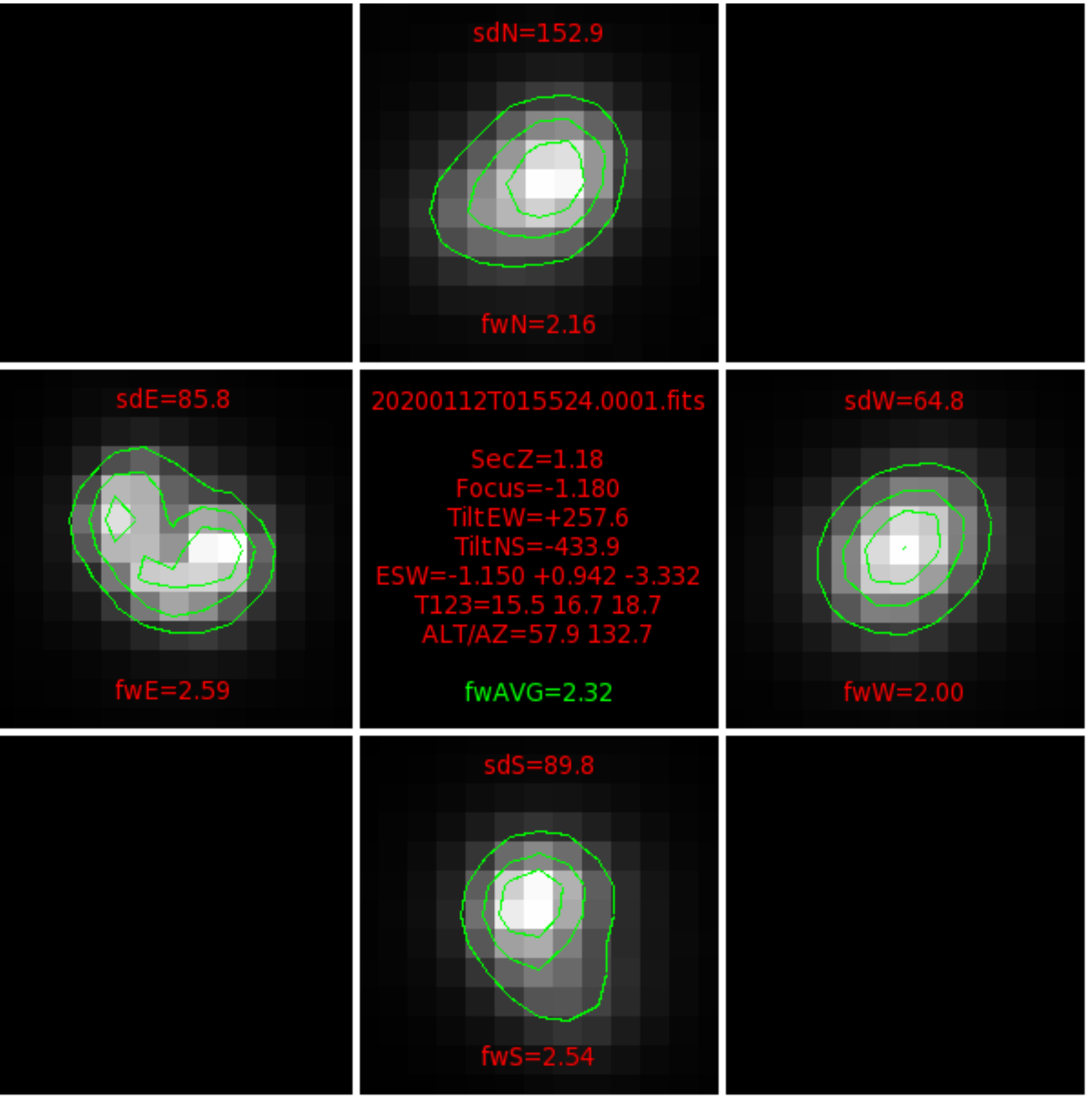
sdN=152.9
fwN=2.16
sdE=85.8
fwE=2.59
20200112T015524.0001.fits
SecZ=1.18
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.7 18.7
ALT/AZ=57.9 132.7
fwAVG=2.32
sdW=64.8
fwW=2.00
sdS=89.8
fwS=2.54
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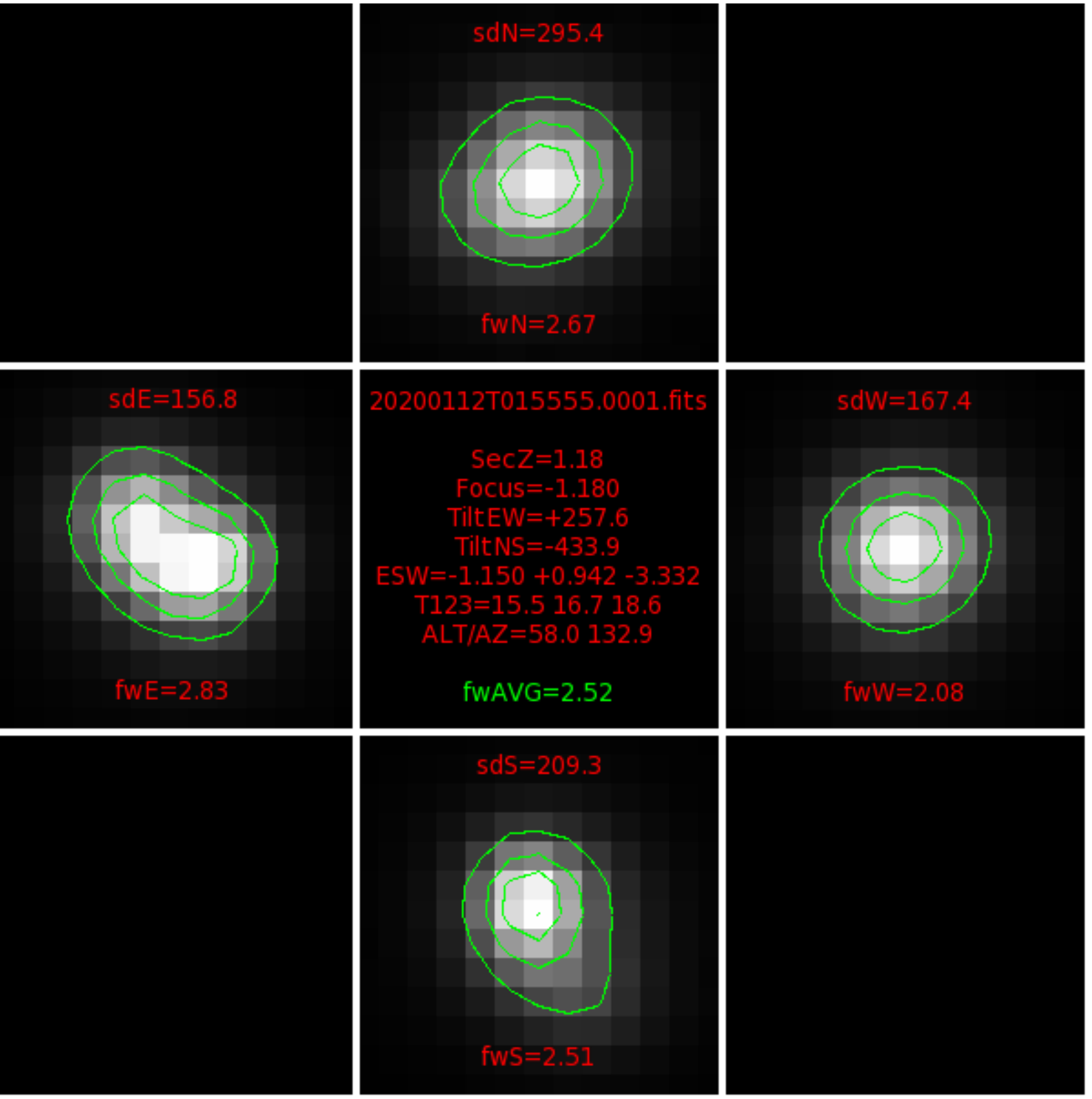
sdN=295.4
fwN=2.67
sdE=156.8
fwE=2.83
20200112T015555.0001.fits
SecZ=1.18
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.7 18.6
ALT/AZ=58.0 132.9
fwAVG=2.52
sdW=167.4
fwW=2.08
sdS=209.3
fwS=2.51
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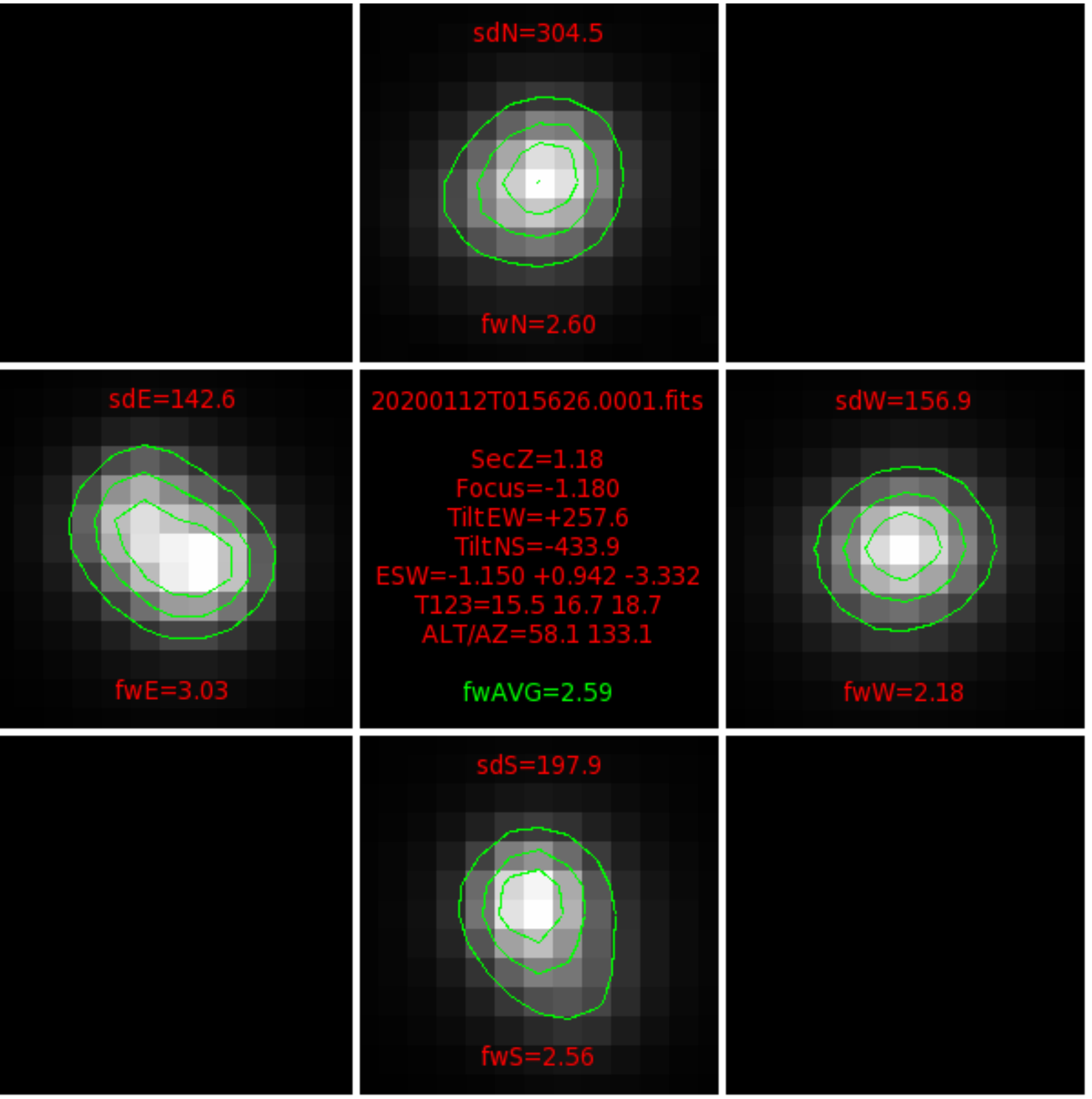
sdN=304.5
fwN=2.60
sdE=142.6
fwE=3.03
20200112T015626.0001.fits
SecZ=1.18
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.7 18.7
ALT/AZ=58.1 133.1
fwAVG=2.59
sdW=156.9
fwW=2.18
sdS=197.9
fwS=2.56
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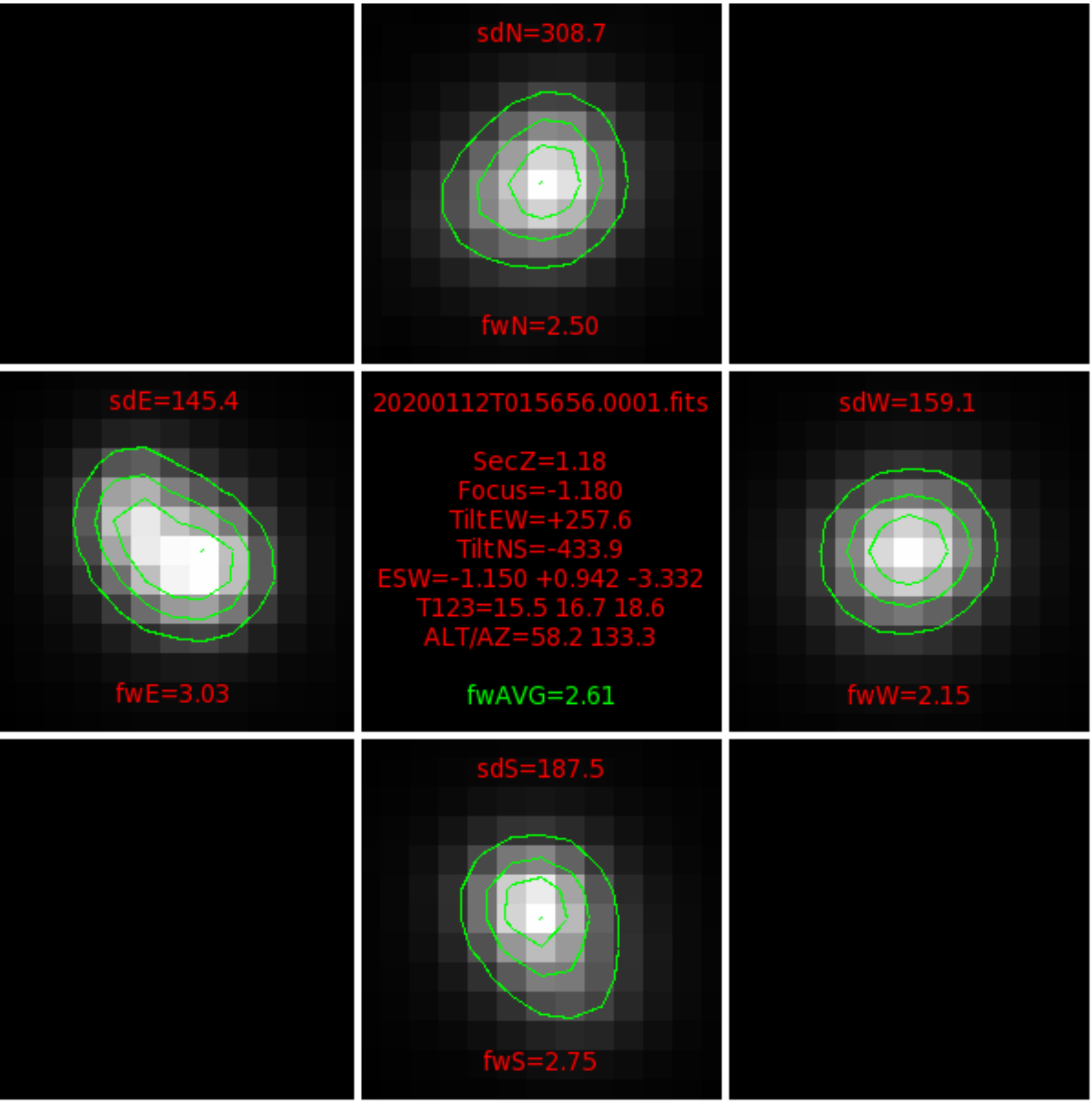
sdN=308.7
fwN=2.50
sdE=145.4
fwE=3.03
20200112T015656.0001.fits
SecZ=1.18
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.7 18.6
ALT/AZ=58.2 133.3
fwAVG=2.61
sdW=159.1
fwW=2.15
sdS=187.5
fwS=2.75
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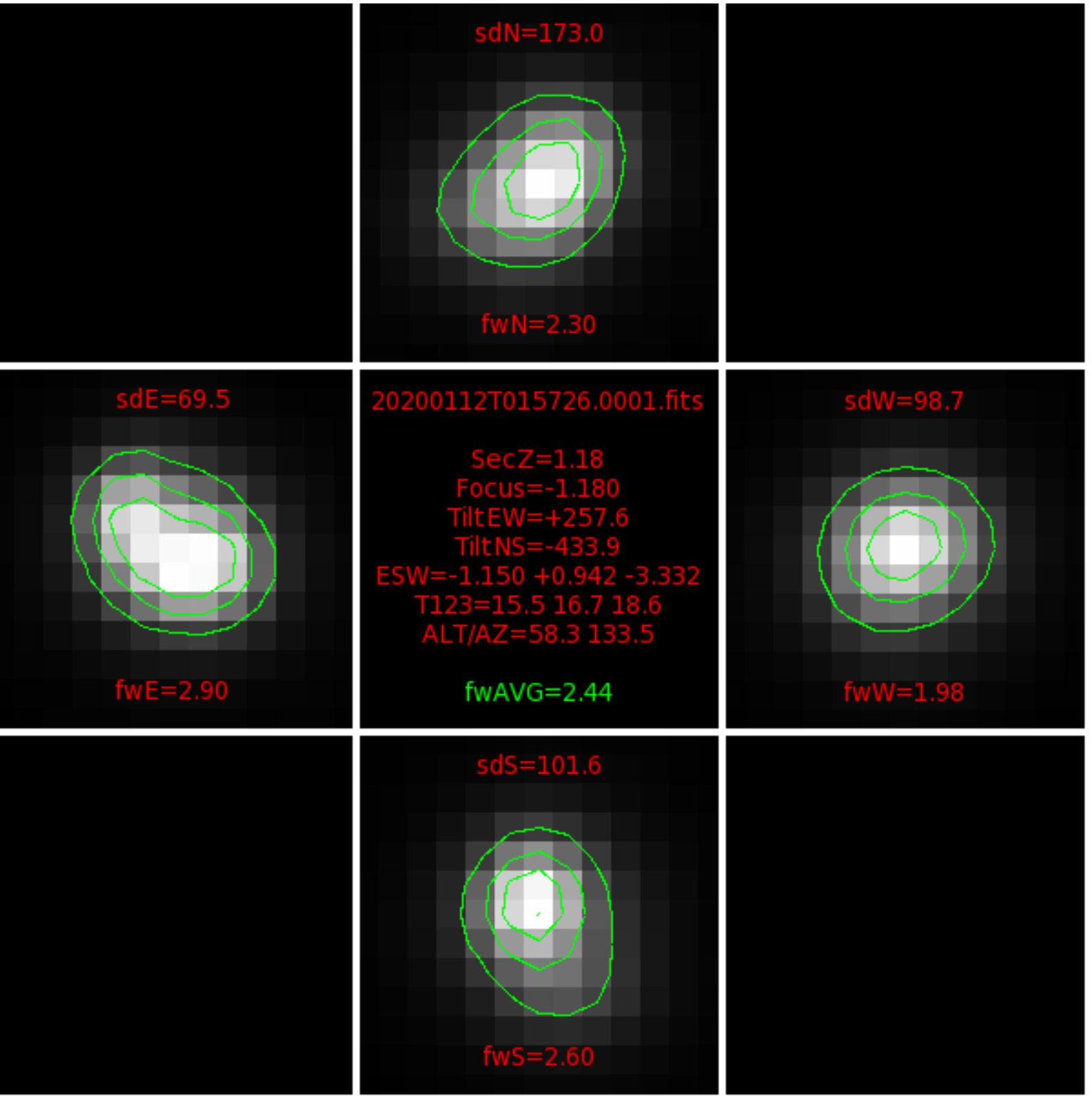
sdN=173.0
fwN=2.30
sdE=69.5
fwE=2.90
20200112T015726.0001.fits
SecZ=1.18
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.7 18.6
ALT/AZ=58.3 133.5
fwAVG=2.44
sdW=98.7
fwW=1.98
sdS=101.6
fwS=2.60
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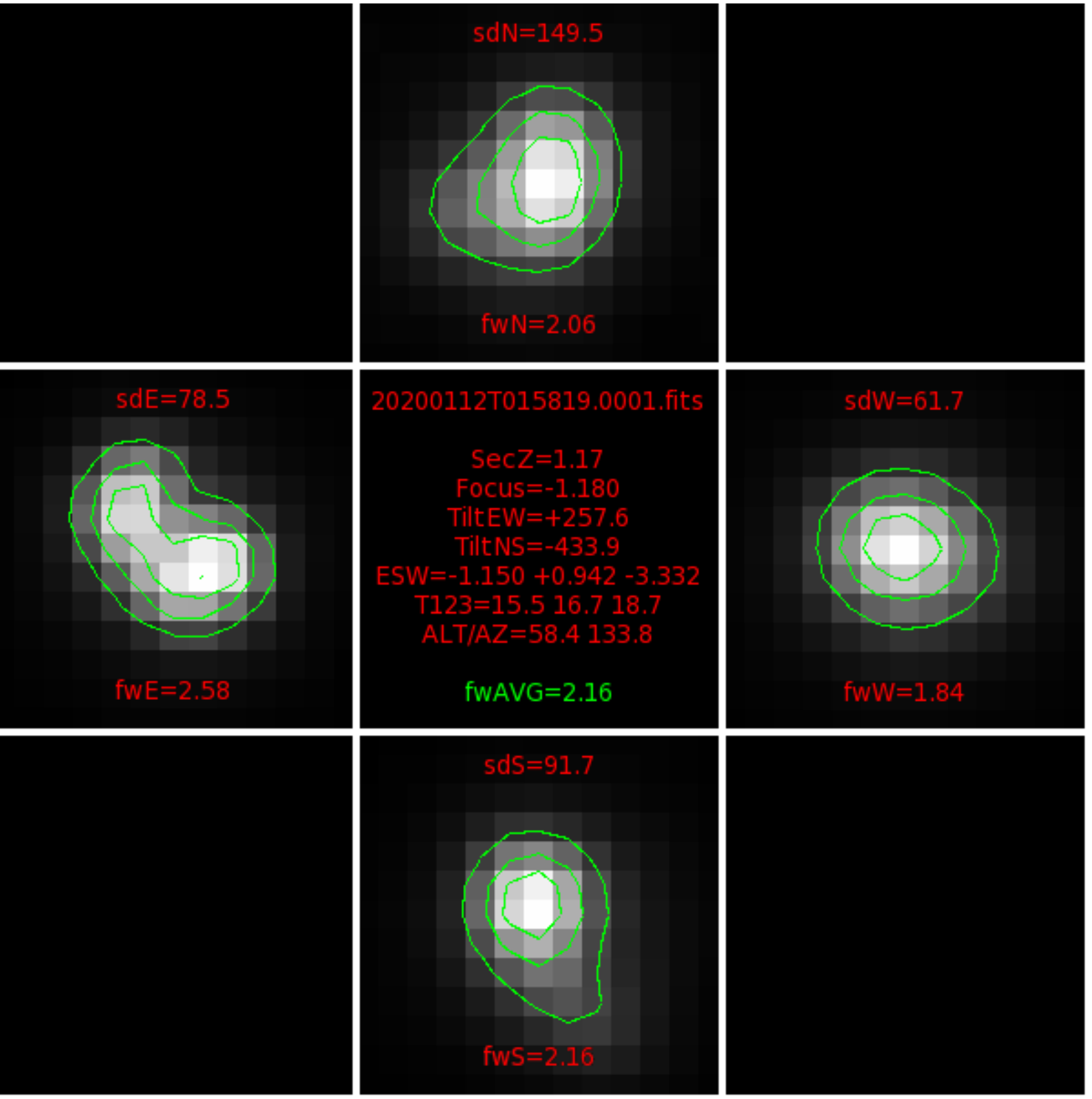
sdN=149.5
fwN=2.06
sdE=78.5
fwE=2.58
20200112T015819.0001.fits
SecZ=1.17
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.7 18.7
ALT/AZ=58.4 133.8
fwAVG=2.16
sdW=61.7
fwW=1.84
sdS=91.7
fwS=2.16
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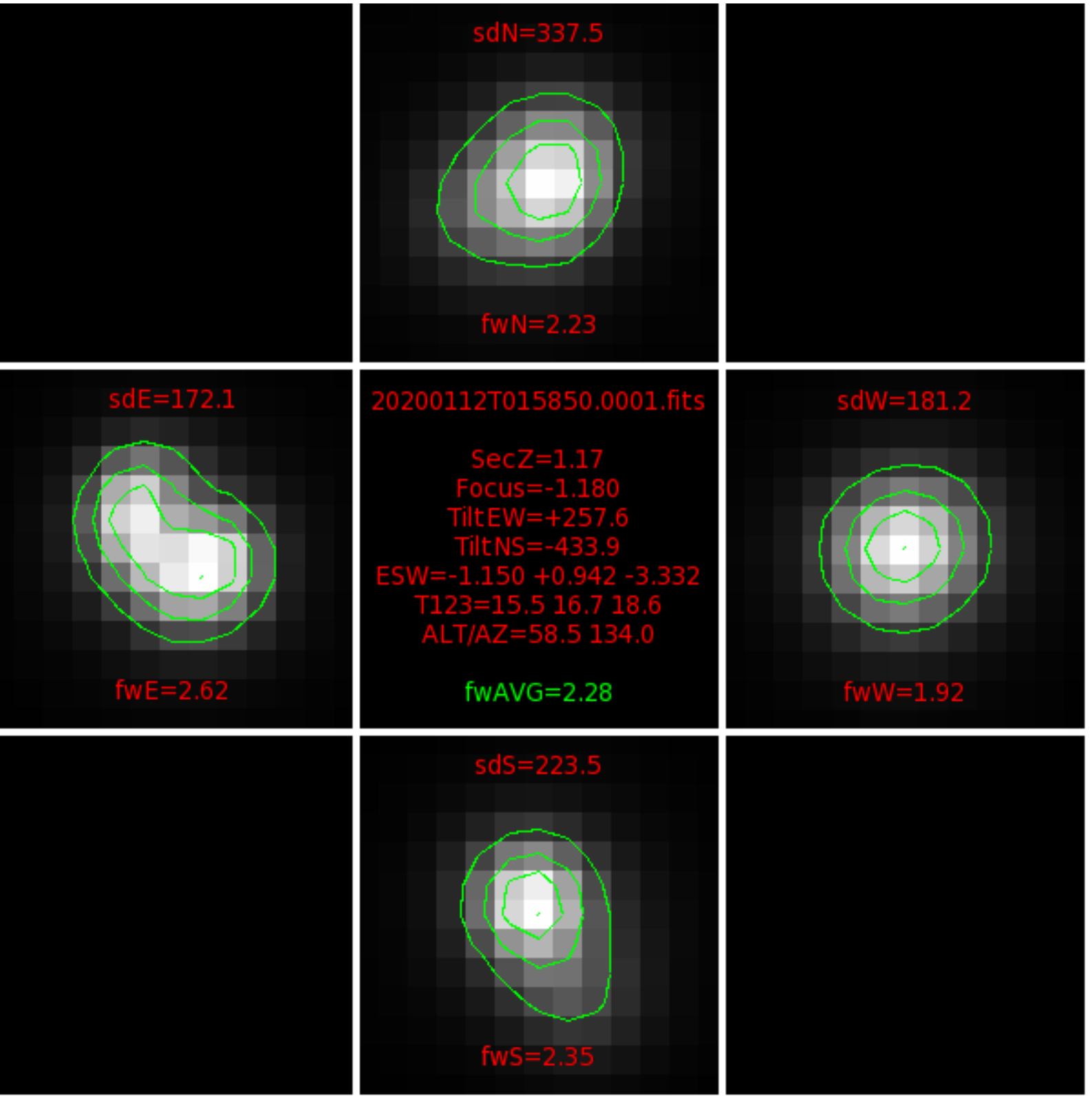
sdN=337.5
fwN=2.23
sdE=172.1
fwE=2.62
20200112T015850.0001.fits
SecZ=1.17
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.7 18.6
ALT/AZ=58.5 134.0
fwAVG=2.28
sdW=181.2
fwW=1.92
sdS=223.5
fwS=2.35
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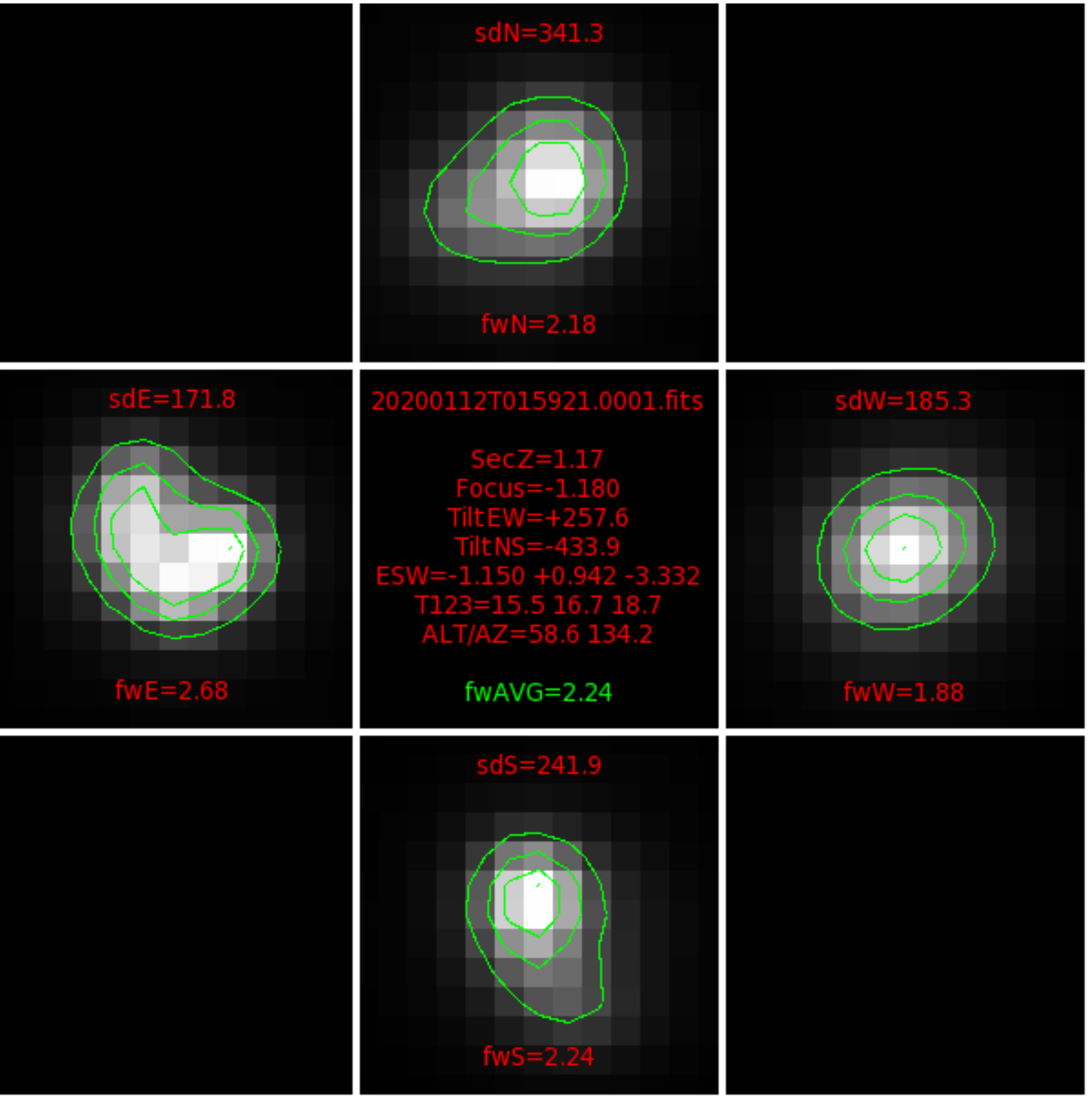
sdN=341.3
fwN=2.18
sdE=171.8
fwE=2.68
20200112T015921.0001.fits
SecZ=1.17
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.7 18.7
ALT/AZ=58.6 134.2
fwAVG=2.24
sdW=185.3
fwW=1.88
sdS=241.9
fwS=2.24
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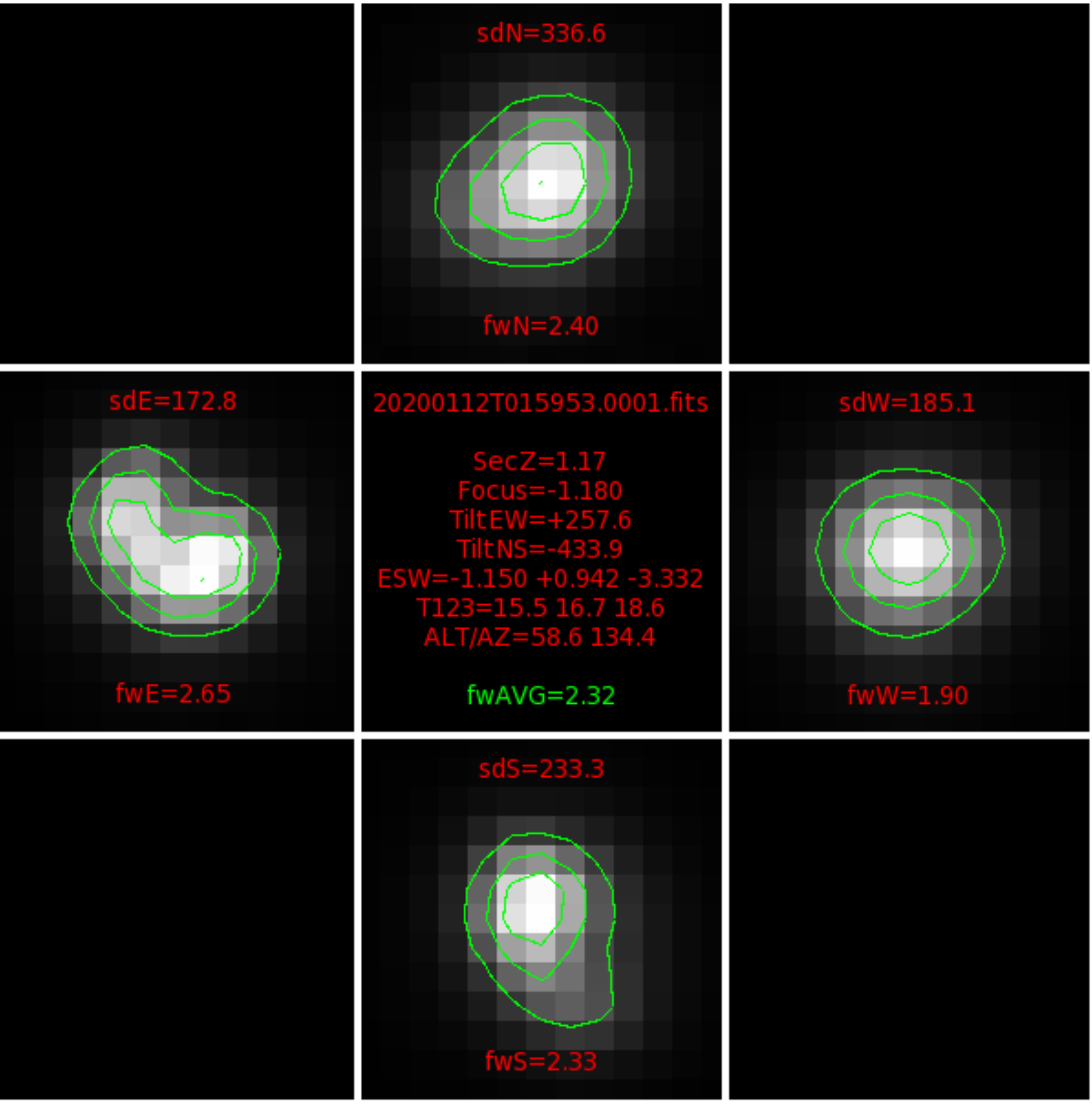
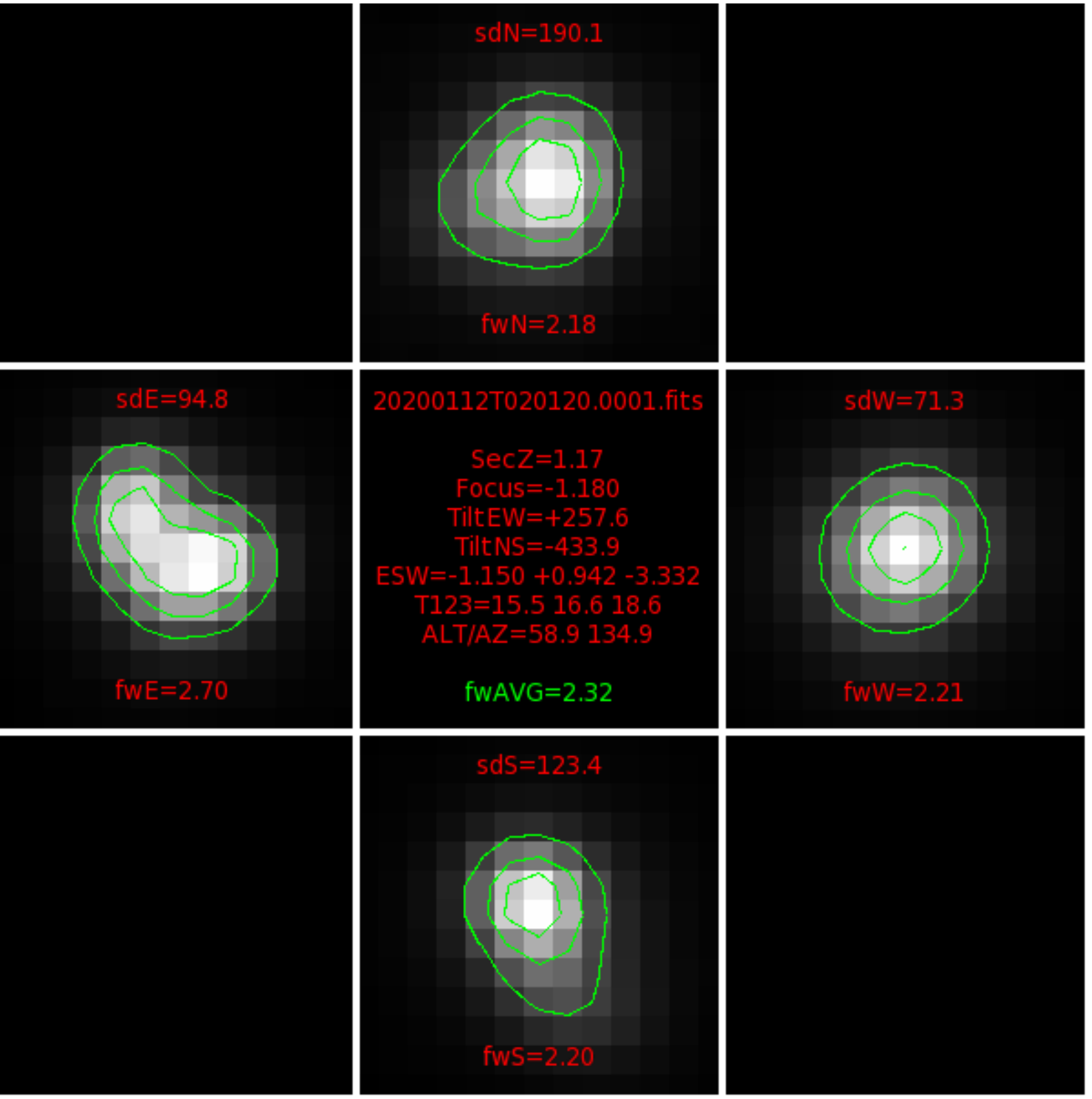
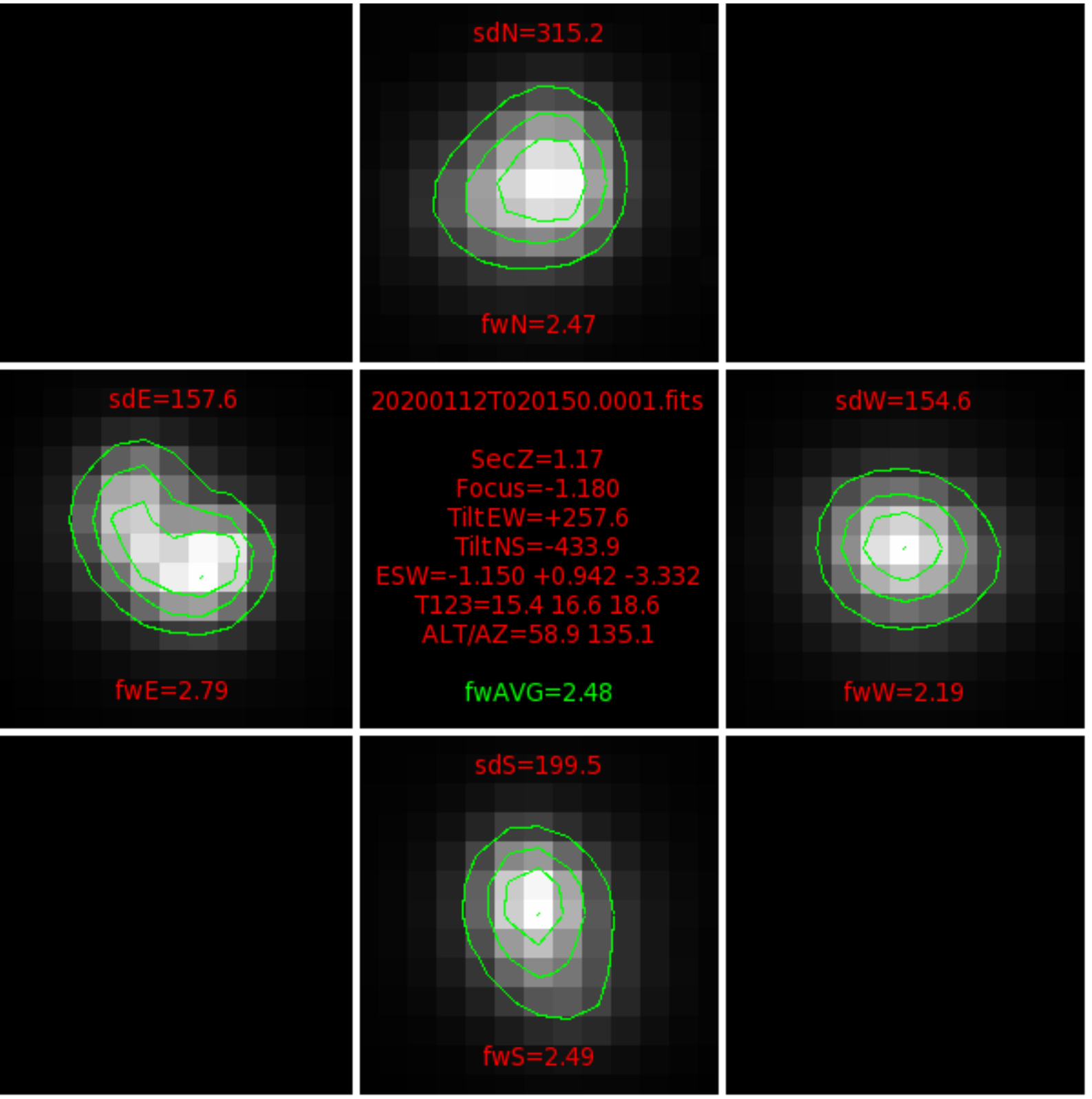

sdN=336.6
fwN=2.40
sdE=172.8
fwE=2.65
20200112T015953.0001.fits
SecZ=1.17
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.7 18.6
ALT/AZ=58.6 134.4
fwAVG=2.32
sdW=185.1
fwW=1.90
sdS=233.3
fwS=2.33
0 0 0 0 0 0 0 0 0


sdN=190.1
fwN=2.18
sdE=94.8
fwE=2.70
20200112T020120.0001.fits
SecZ=1.17
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.6 18.6
ALT/AZ=58.9 134.9
fwAVG=2.32
sdW=71.3
fwW=2.21
sdS=123.4
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=315.2
fwN=2.47
sdE=157.6
fwE=2.79
20200112T020150.0001.fits
SecZ=1.17
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.4 16.6 18.6
ALT/AZ=58.9 135.1
fwAVG=2.48
sdW=154.6
fwW=2.19
sdS=199.5
fwS=2.49
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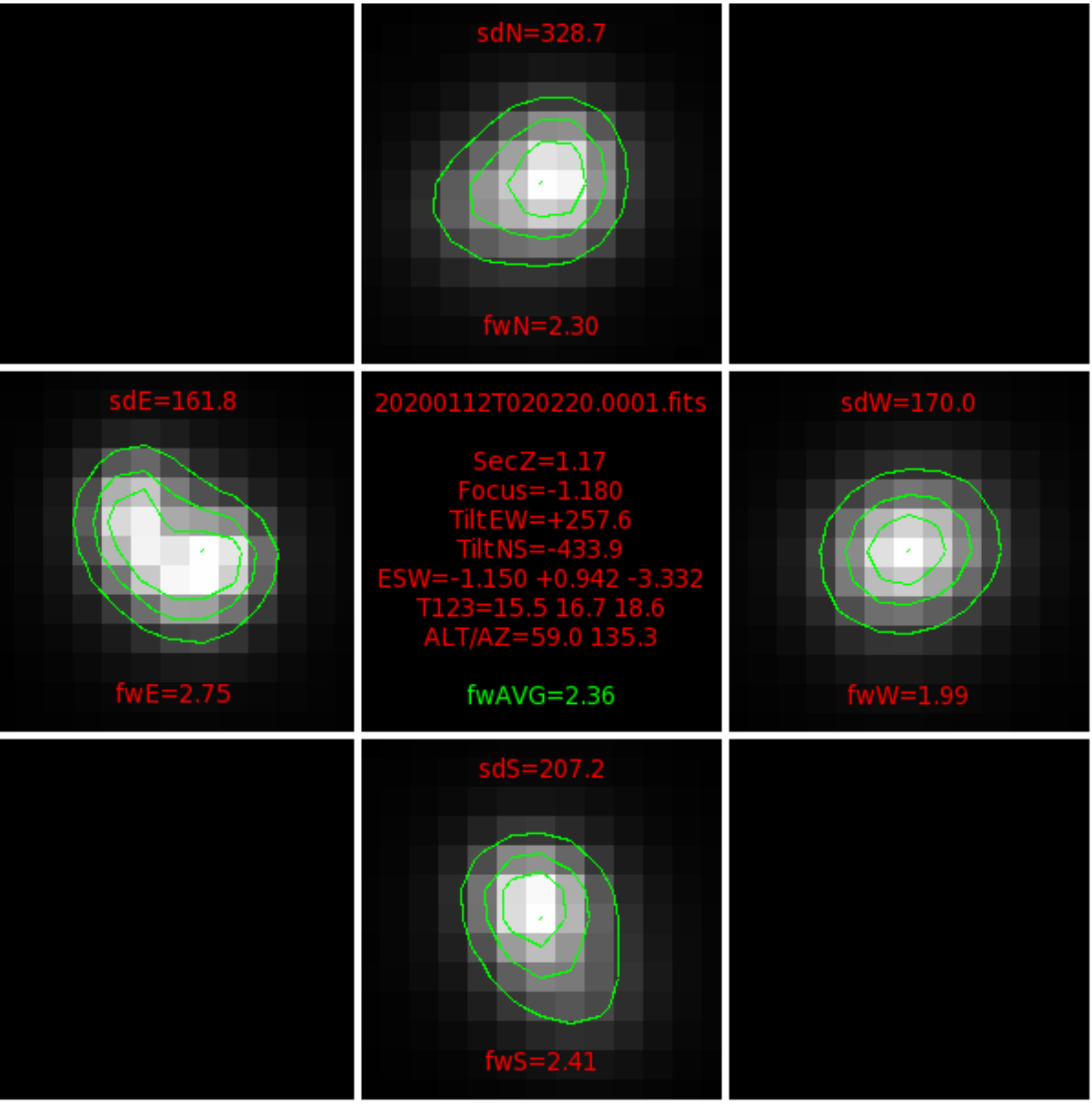
sdN=328.7
fwN=2.30
sdE=161.8
fwE=2.75
20200112T020220.0001.fits
SecZ=1.17
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.7 18.6
ALT/AZ=59.0 135.3
fwAVG=2.36
sdW=170.0
fwW=1.99
sdS=207.2
fwS=2.41
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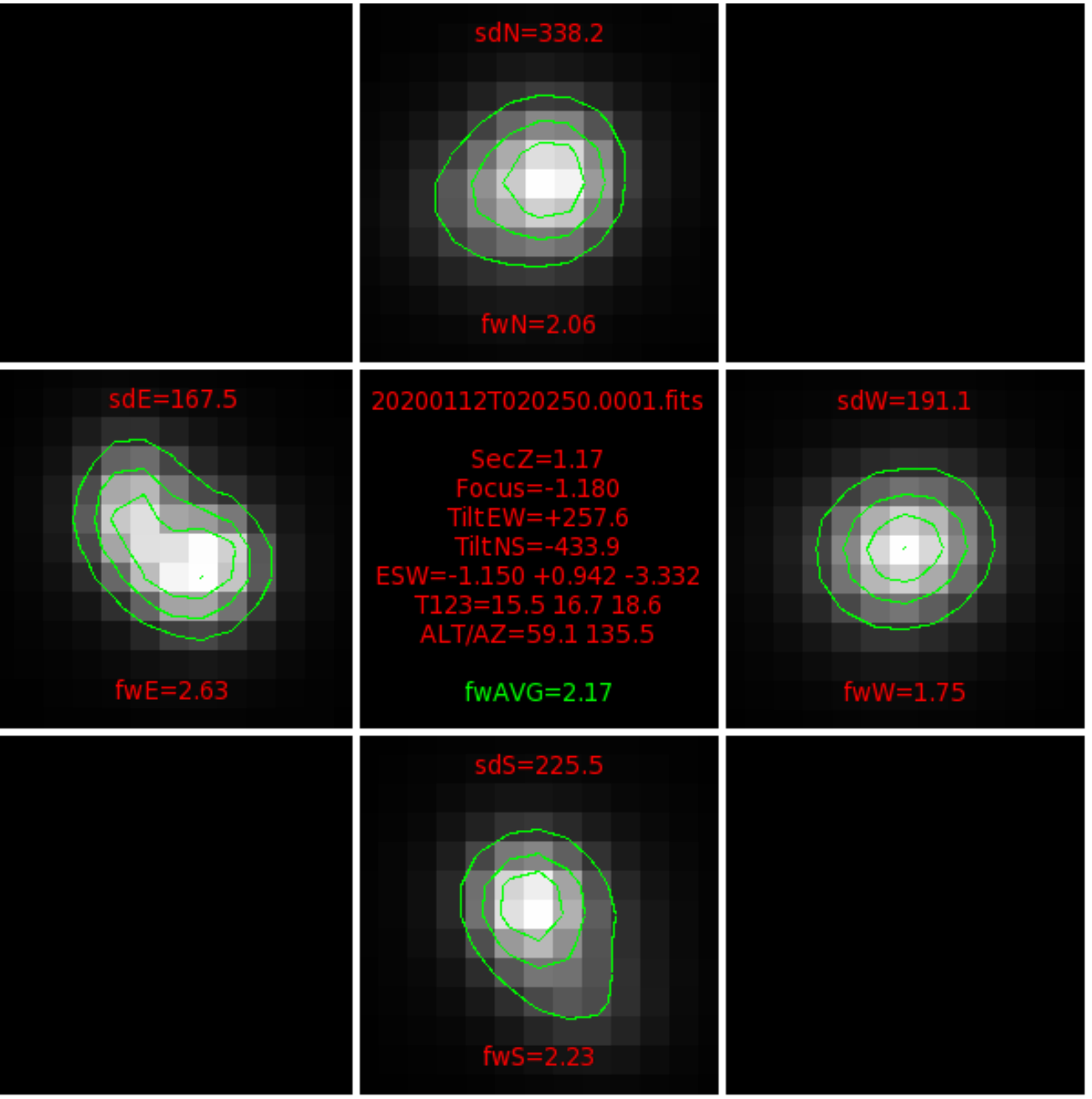
sdN=338.2
fwN=2.06
sdE=167.5
fwE=2.63
20200112T020250.0001.fits
SecZ=1.17
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.7 18.6
ALT/AZ=59.1 135.5
fwAVG=2.17
sdW=191.1
fwW=1.75
sdS=225.5
fwS=2.23
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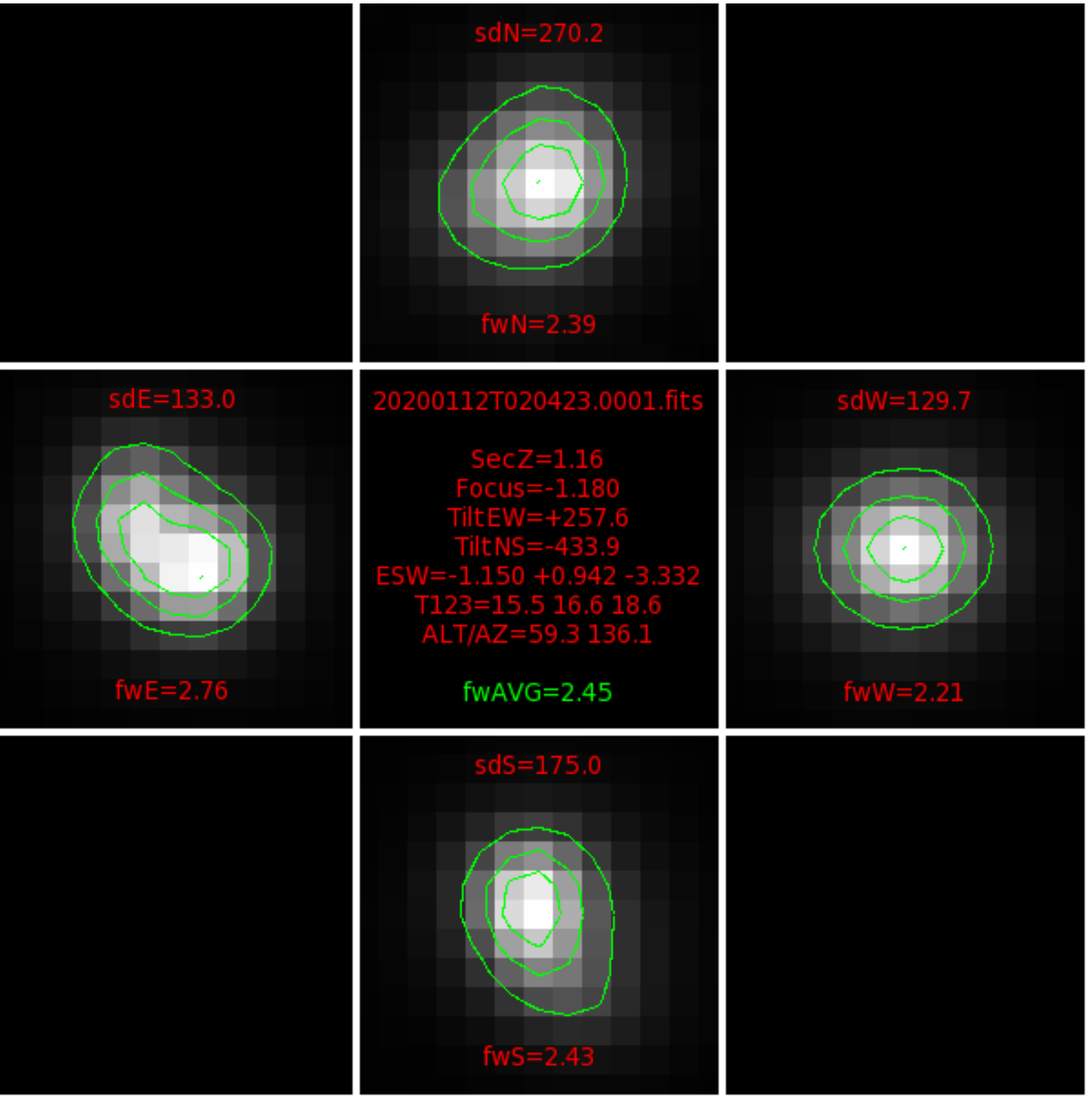
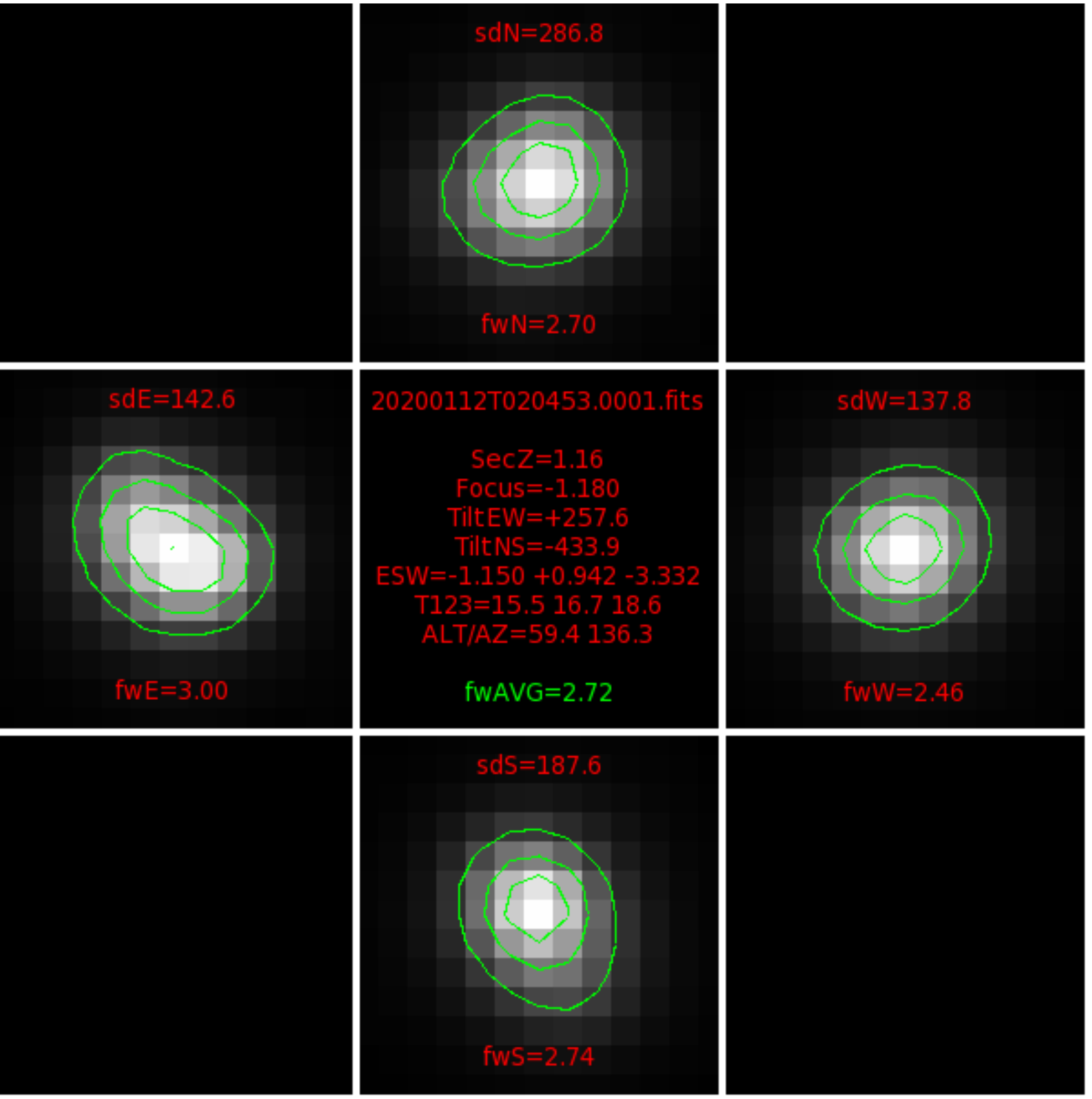

sdN=270.2
fwN=2.39
sdE=133.0
fwE=2.76
20200112T020423.0001.fits
SecZ=1.16
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.6 18.6
ALT/AZ=59.3 136.1
fwAVG=2.45
sdW=129.7
fwW=2.21
sdS=175.0
fwS=2.43
0 0 0 0 0 0 0 0 0


sdN=286.8
fwN=2.70
sdE=142.6
fwE=3.00
20200112T020453.0001.fits
SecZ=1.16
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.7 18.6
ALT/AZ=59.4 136.3
fwAVG=2.72
sdW=137.8
fwW=2.46
sdS=187.6
fwS=2.74
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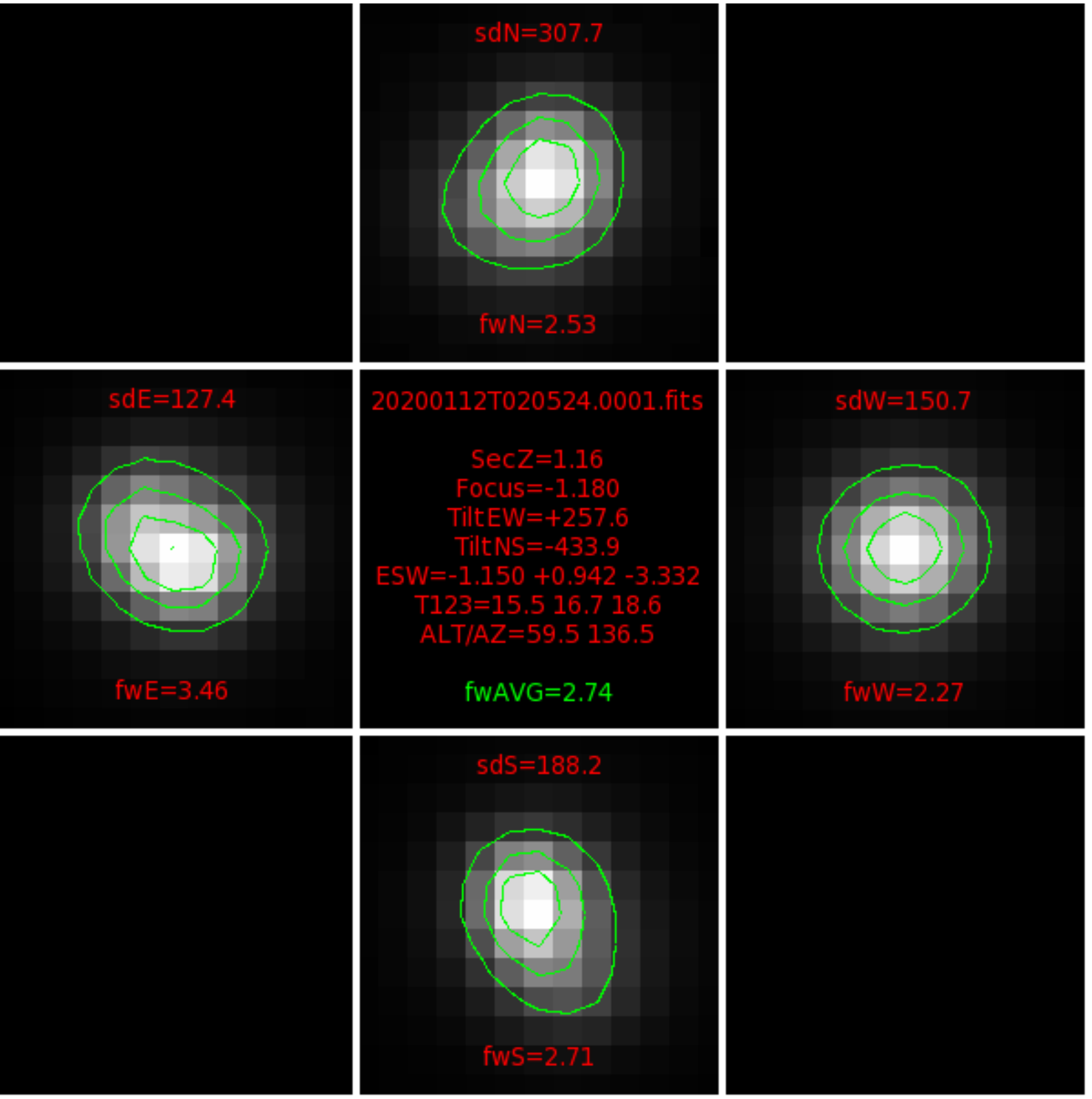
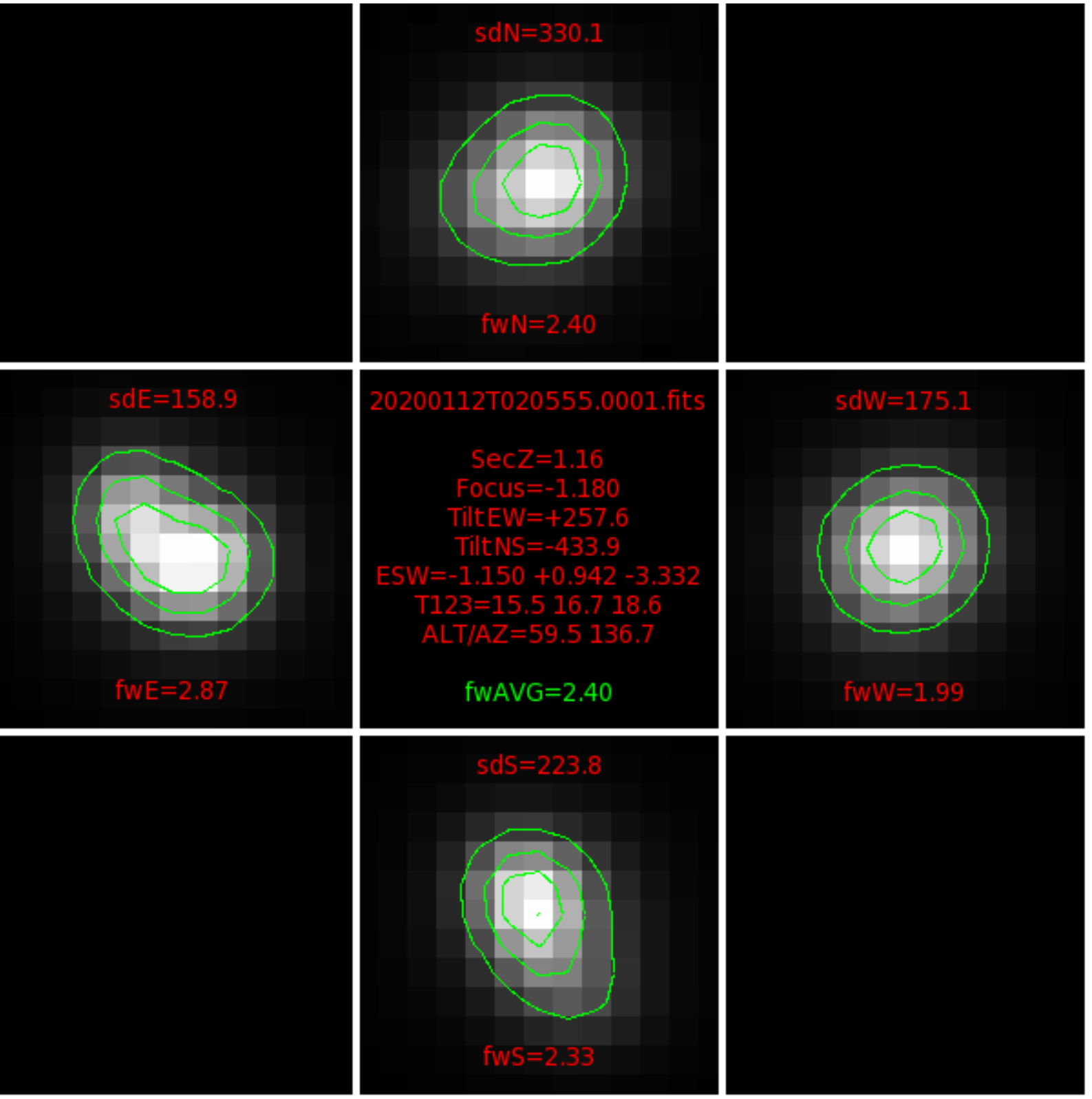
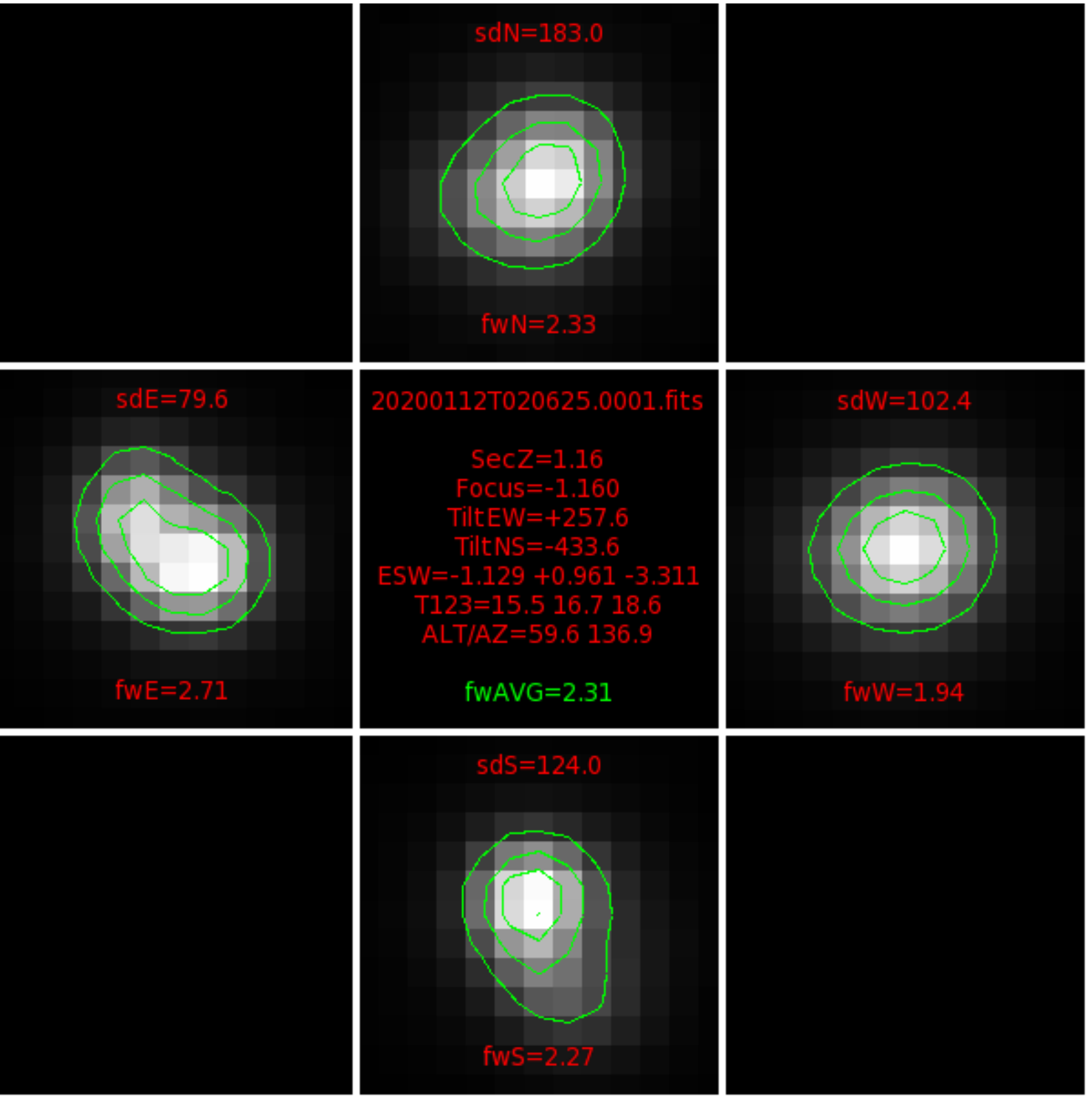
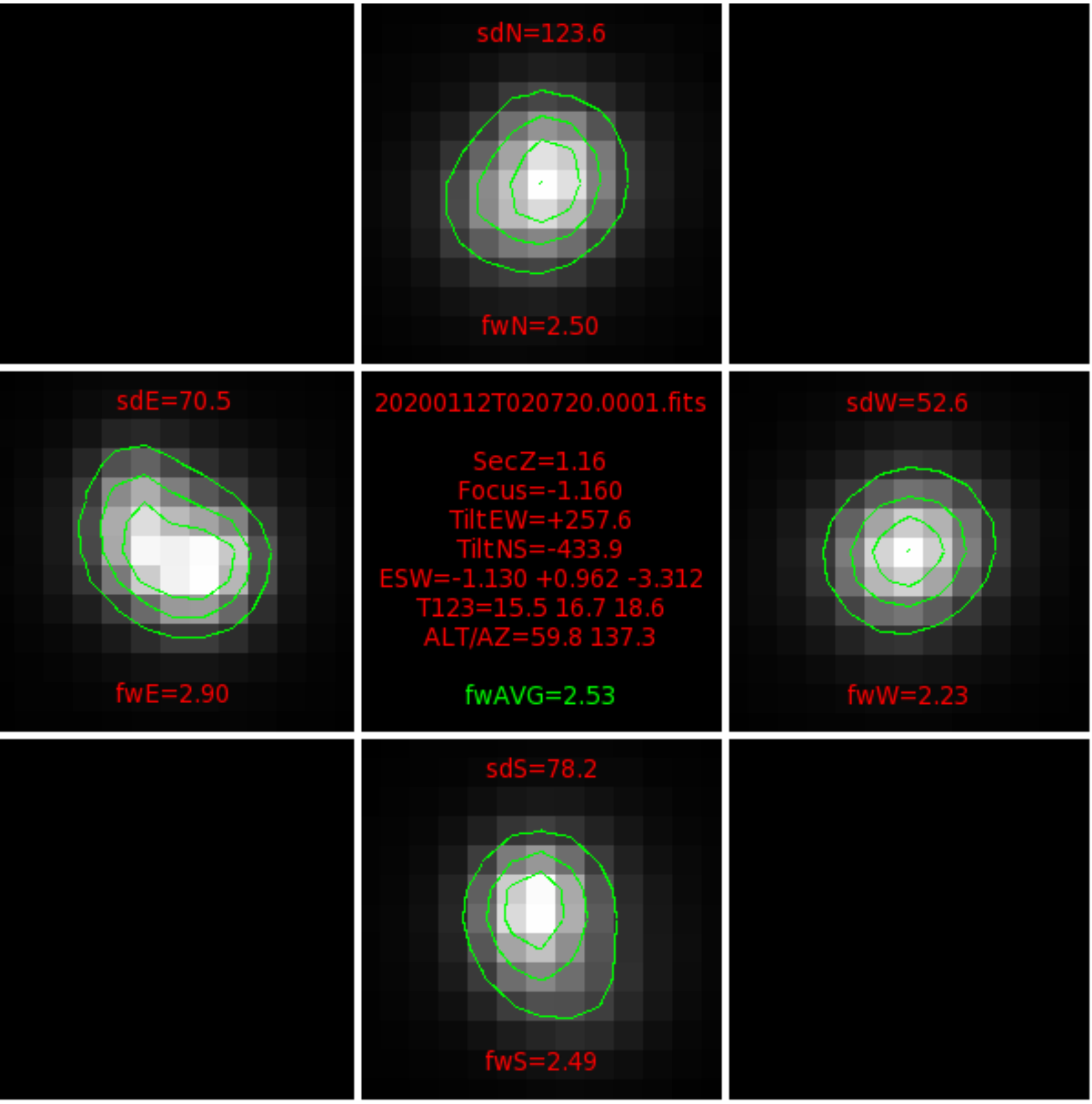

sdN=307.7
fwN=2.53
sdE=127.4
fwE=3.46
20200112T020524.0001.fits
SecZ=1.16
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.7 18.6
ALT/AZ=59.5 136.5
fwAVG=2.74
sdW=150.7
fwW=2.27
sdS=188.2
fwS=2.71
0 0 0 0 0 0 0 0 0


sdN=330.1
fwN=2.40
sdE=158.9
fwE=2.87
20200112T020555.0001.fits
SecZ=1.16
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.5 16.7 18.6
ALT/AZ=59.5 136.7
fwAVG=2.40
sdW=175.1
fwW=1.99
sdS=223.8
fwS=2.33
0 0 0 0 0 0 0 0 0


sdN=183.0
fwN=2.33
sdE=79.6
fwE=2.71
20200112T020625.0001.fits
SecZ=1.16
Focus=-1.160
TiltEW=+257.6
TiltNS=-433.6
ESW=-1.129 +0.961 -3.311
T123=15.5 16.7 18.6
ALT/AZ=59.6 136.9
fwAVG=2.31
sdW=102.4
fwW=1.94
sdS=124.0
fwS=2.27
0 0 0 0 0 0 0 0 0


sdN=123.6
fwN=2.50
sdE=70.5
fwE=2.90
20200112T020720.0001.fits
SecZ=1.16
Focus=-1.160
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.130 +0.962 -3.312
T123=15.5 16.7 18.6
ALT/AZ=59.8 137.3
fwAVG=2.53
sdW=52.6
fwW=2.23
sdS=78.2
fwS=2.49
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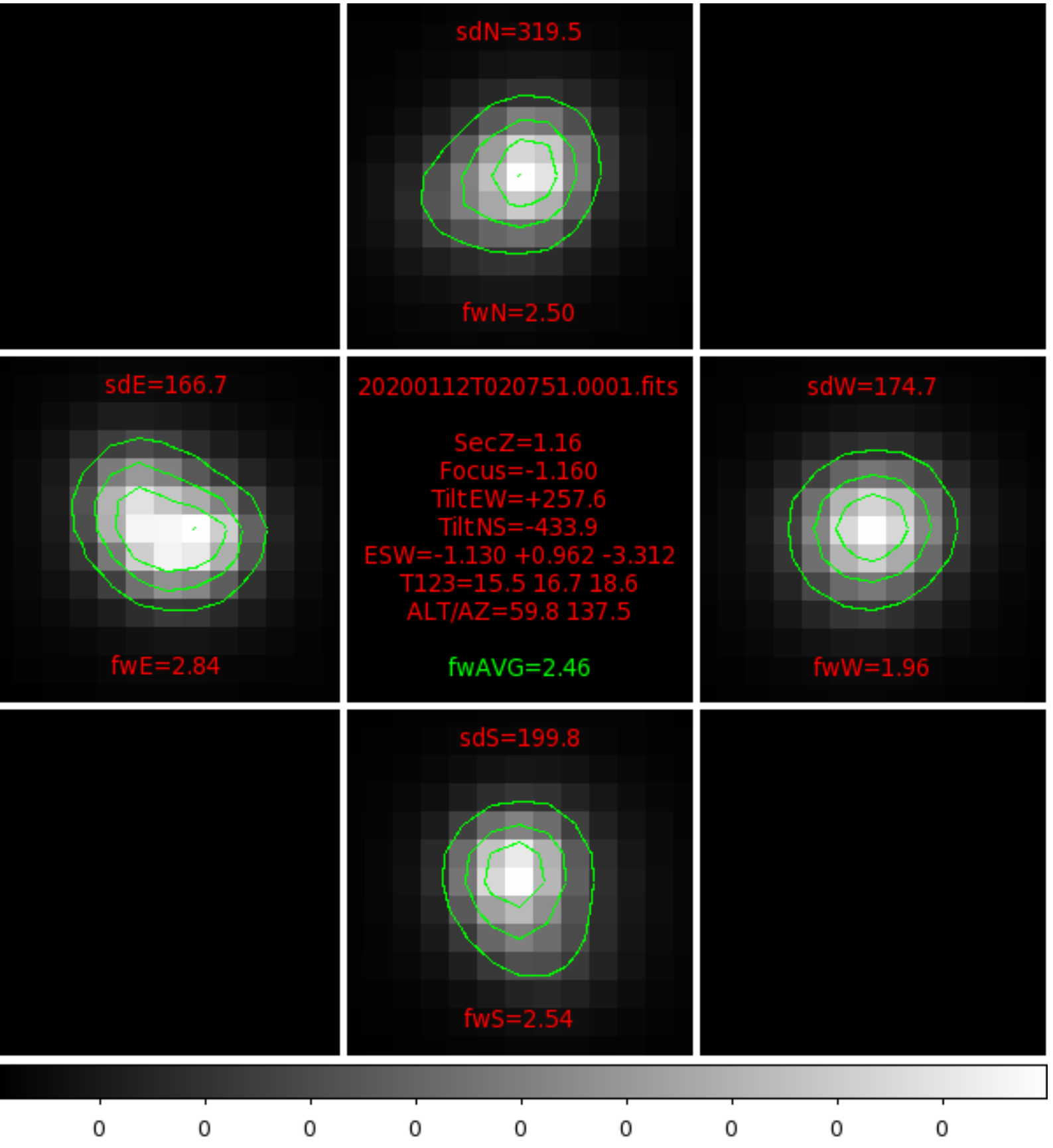
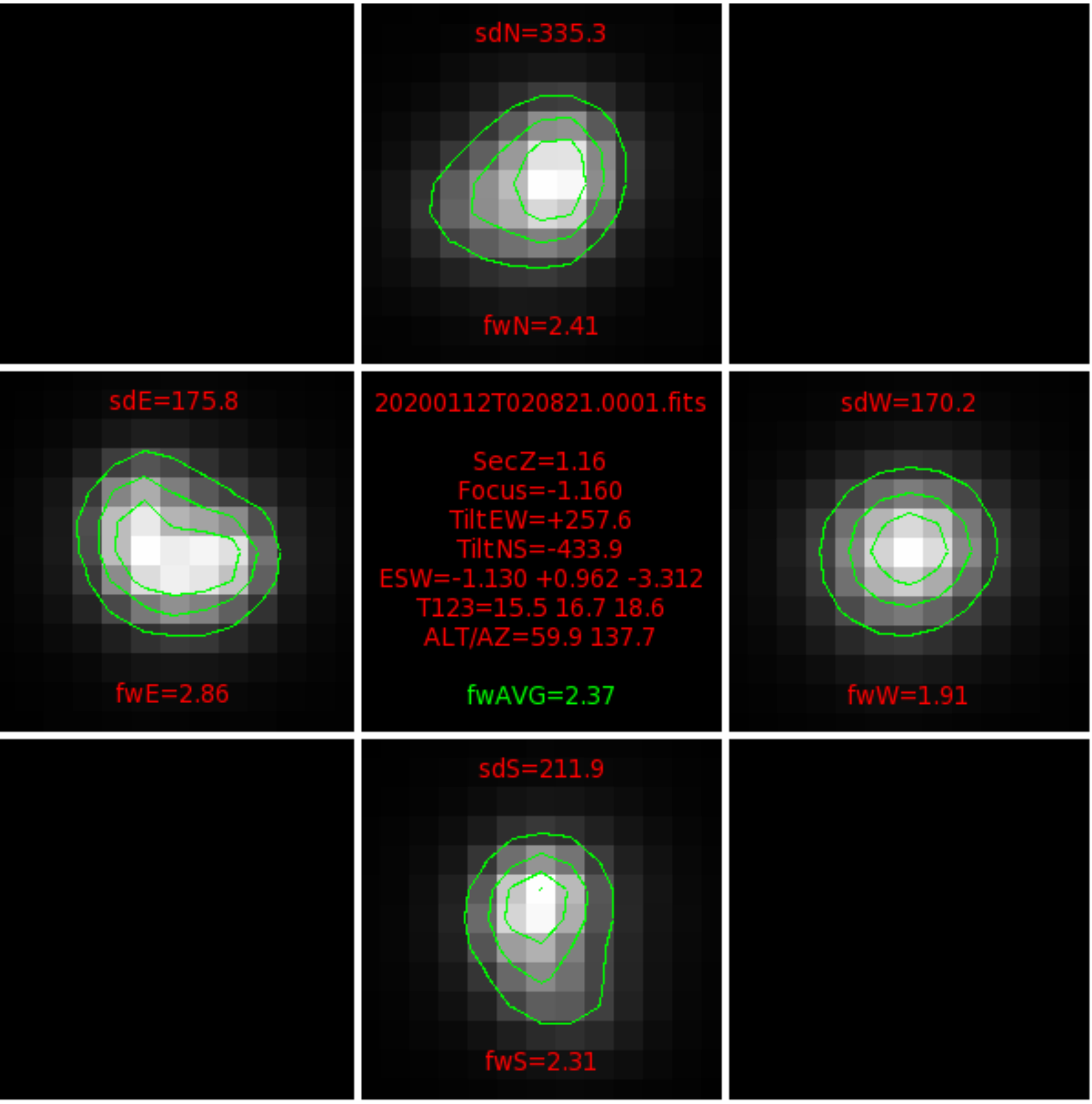

sdN=319.5
fwN=2.50
sdE=166.7
fwE=2.84
20200112T020751.0001.fits
SecZ=1.16
Focus=-1.160
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.130 +0.962 -3.312
T123=15.5 16.7 18.6
ALT/AZ=59.8 137.5
fwAVG=2.46
sdW=174.7
fwW=1.96
sdS=199.8
fwS=2.54
0 0 0 0 0 0 0 0 0


sdN=335.3
fwN=2.41
sdE=175.8
fwE=2.86
20200112T020821.0001.fits
SecZ=1.16
Focus=-1.160
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.130 +0.962 -3.312
T123=15.5 16.7 18.6
ALT/AZ=59.9 137.7
fwAVG=2.37
sdW=170.2
fwW=1.91
sdS=211.9
fwS=2.31
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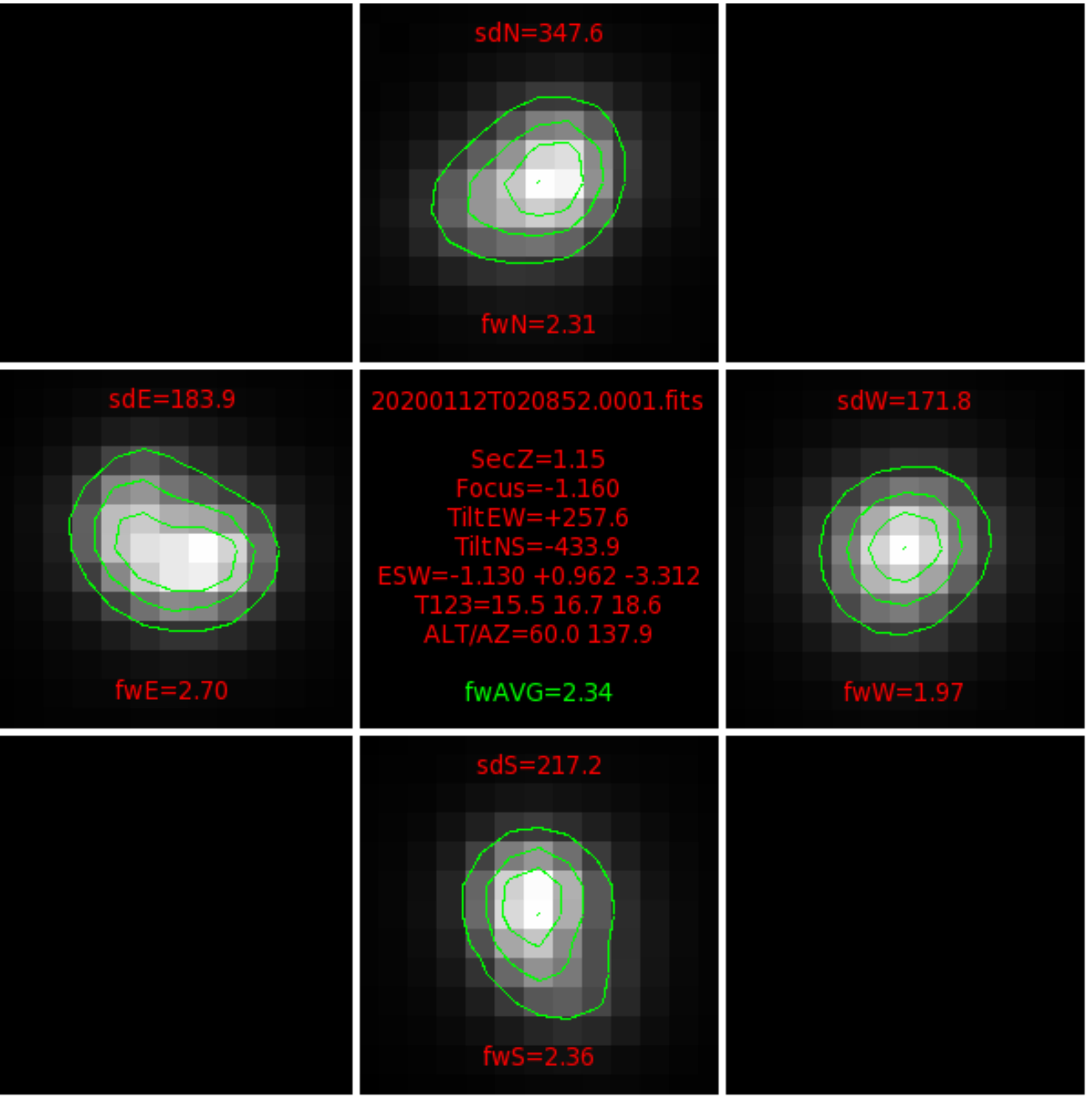
sdN=347.6
fwN=2.31
sdE=183.9
fwE=2.70
20200112T020852.0001.fits
SecZ=1.15
Focus=-1.160
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.130 +0.962 -3.312
T123=15.5 16.7 18.6
ALT/AZ=60.0 137.9
fwAVG=2.34
sdW=171.8
fwW=1.97
sdS=217.2
fwS=2.36
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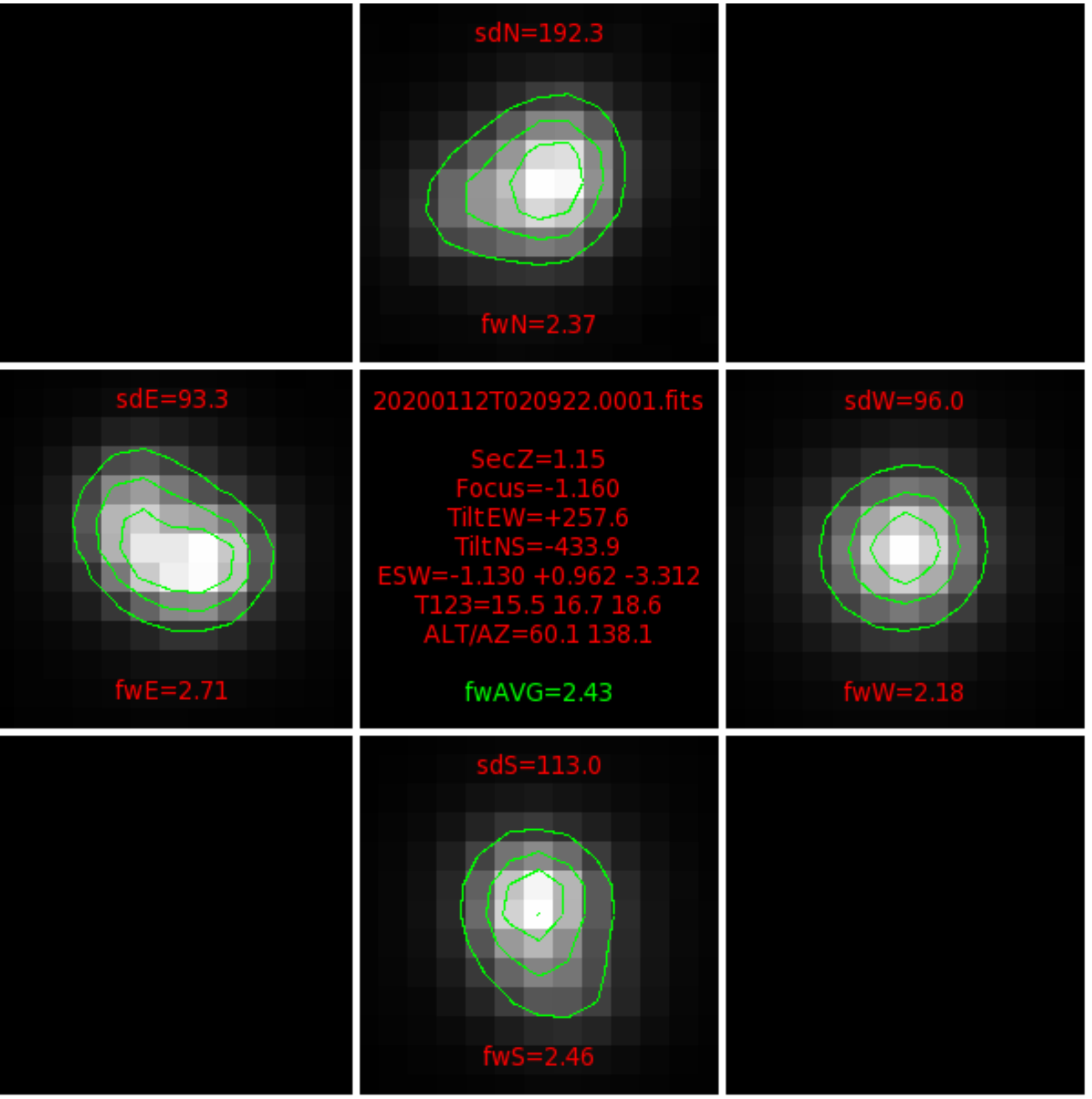
sdN=192.3
fwN=2.37
sdE=93.3
fwE=2.71
20200112T020922.0001.fits
SecZ=1.15
Focus=-1.160
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.130 +0.962 -3.312
T123=15.5 16.7 18.6
ALT/AZ=60.1 138.1
fwAVG=2.43
sdW=96.0
fwW=2.18
sdS=113.0
fwS=2.46
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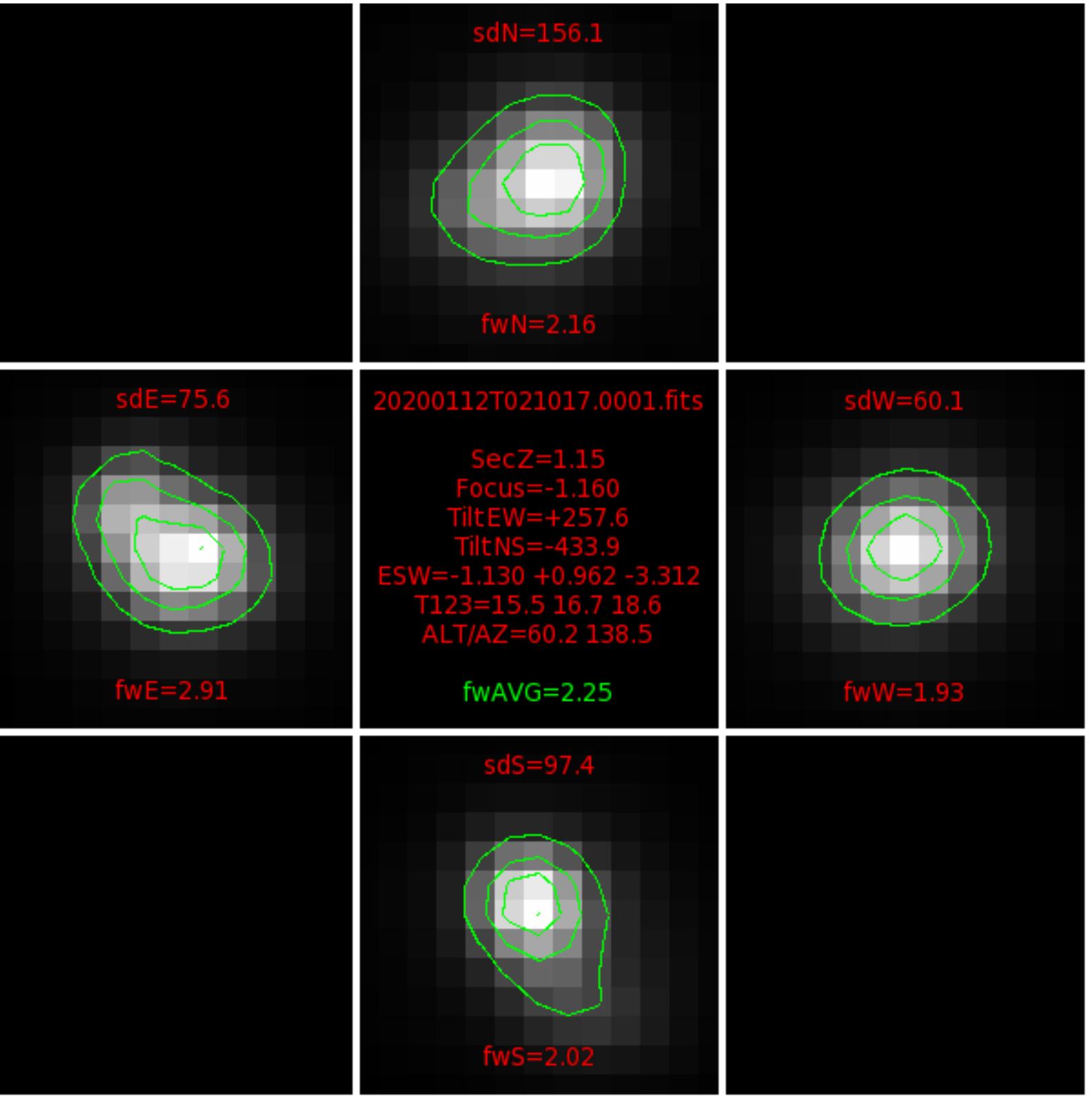
sdN=156.1
fwN=2.16
sdE=75.6
fwE=2.91
20200112T021017.0001.fits
SecZ=1.15
Focus=-1.160
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.130 +0.962 -3.312
T123=15.5 16.7 18.6
ALT/AZ=60.2 138.5
fwAVG=2.25
sdW=60.1
fwW=1.93
sdS=97.4
fwS=2.02
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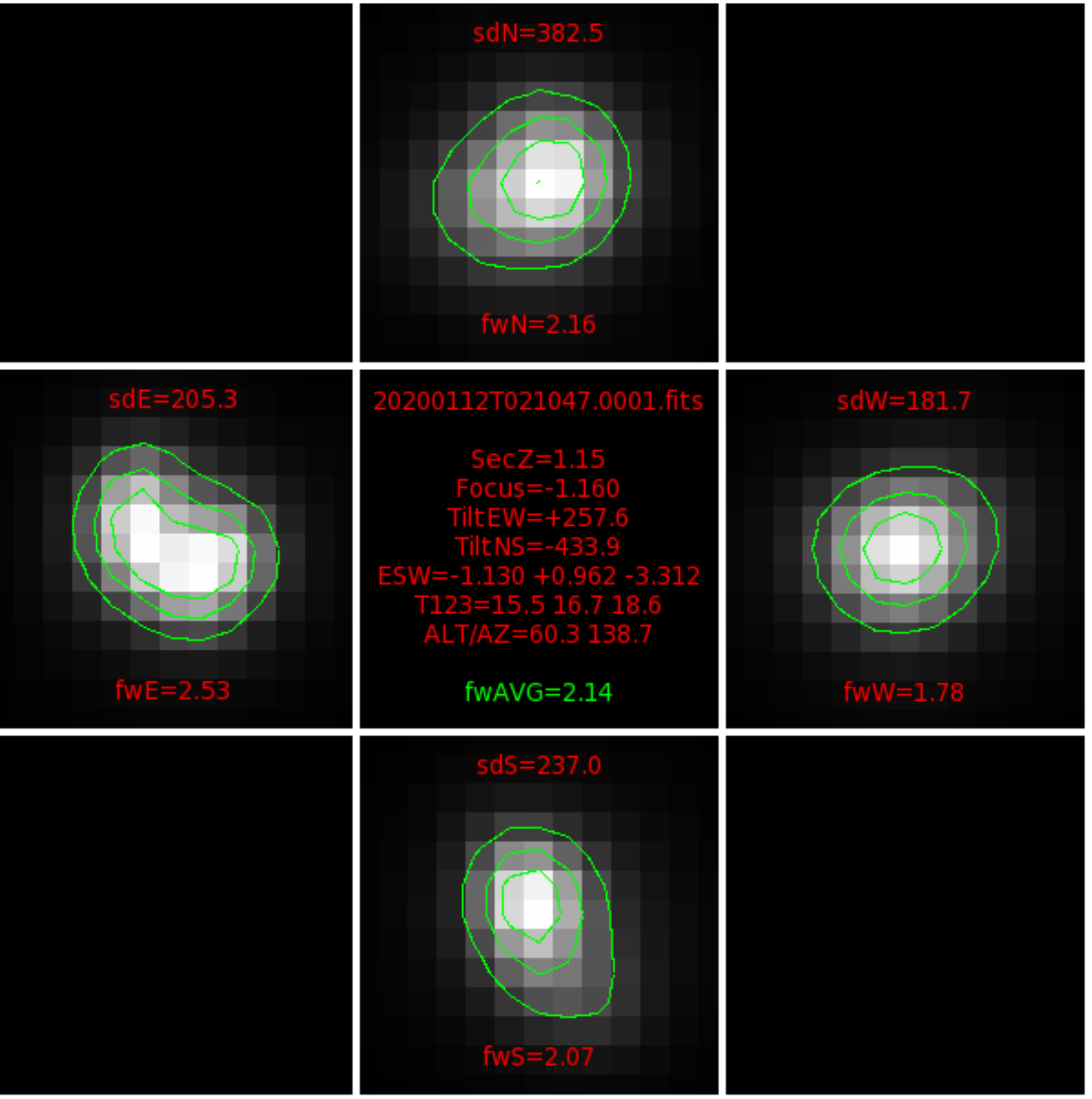
sdN=382.5
fwN=2.16
sdE=205.3
fwE=2.53
20200112T021047.0001.fits
SecZ=1.15
Focus=-1.160
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.130 +0.962 -3.312
T123=15.5 16.7 18.6
ALT/AZ=60.3 138.7
fwAVG=2.14
sdW=181.7
fwW=1.78
sdS=237.0
fwS=2.07
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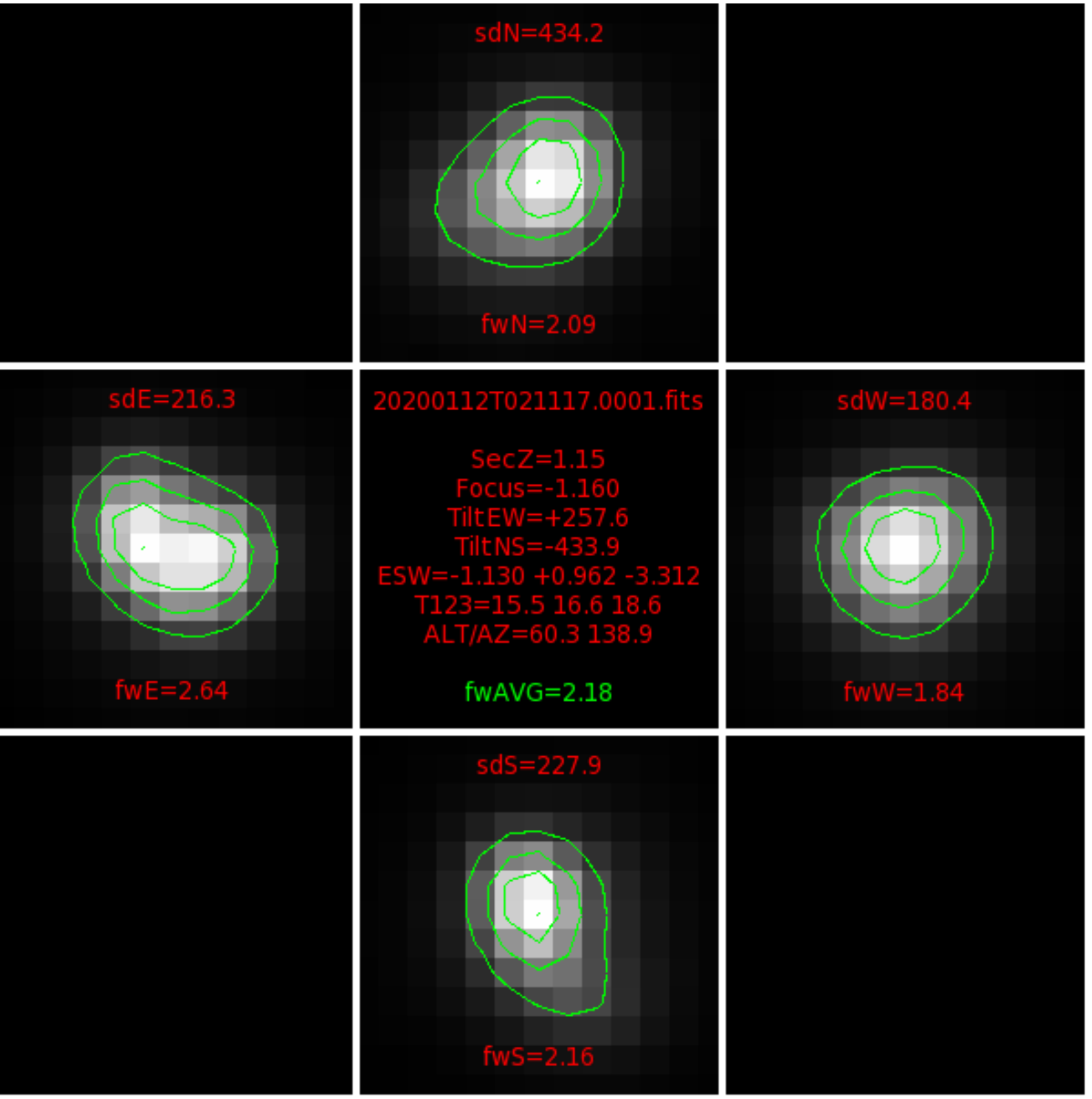
sdN=434.2
fwN=2.09
sdE=216.3
fwE=2.64
20200112T021117.0001.fits
SecZ=1.15
Focus=-1.160
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.130 +0.962 -3.312
T123=15.5 16.6 18.6
ALT/AZ=60.3 138.9
fwAVG=2.18
sdW=180.4
fwW=1.84
sdS=227.9
fwS=2.16
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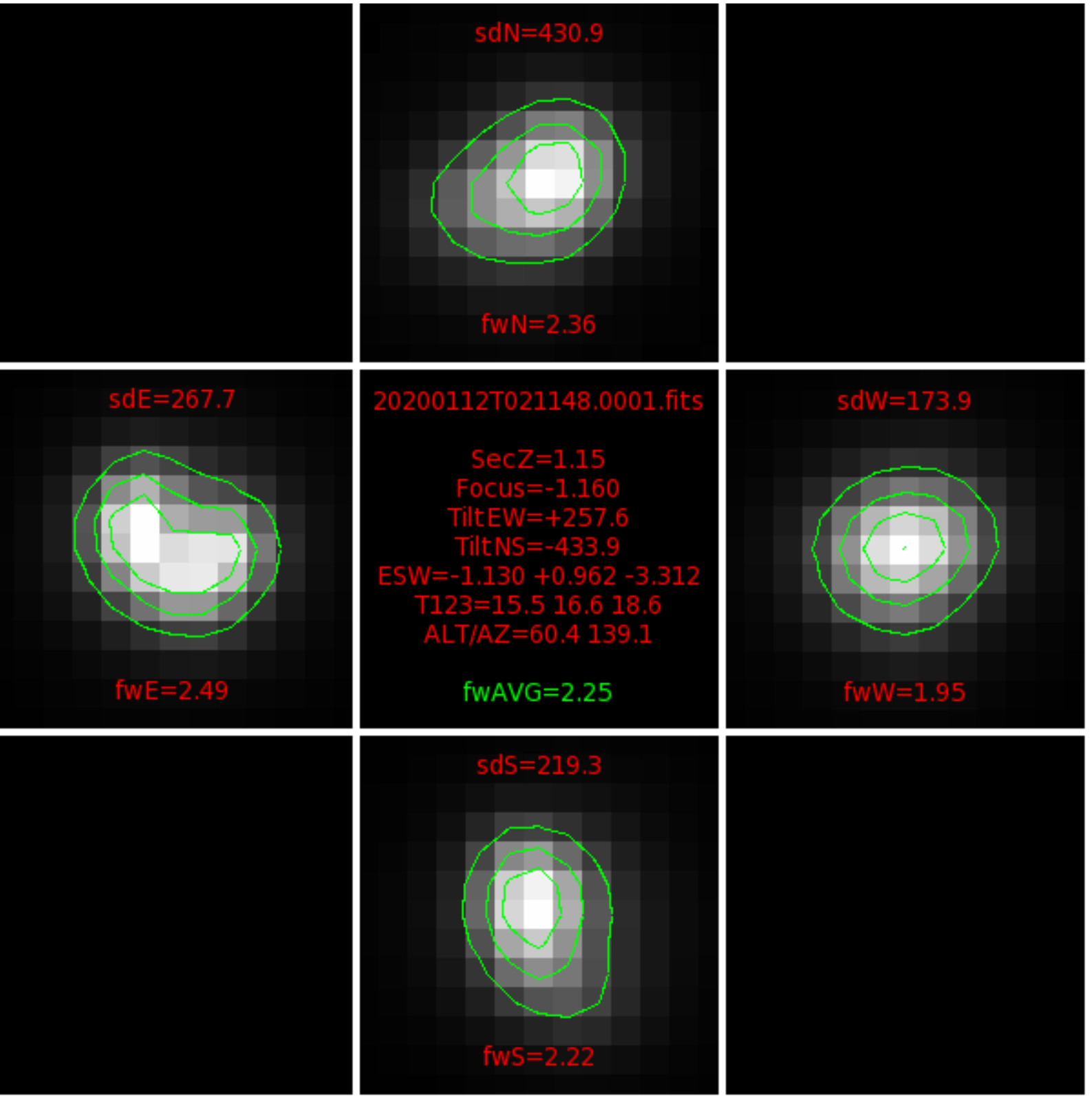
sdN=430.9
fwN=2.36
sdE=267.7
fwE=2.49
20200112T021148.0001.fits
SecZ=1.15
Focus=-1.160
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.130 +0.962 -3.312
T123=15.5 16.6 18.6
ALT/AZ=60.4 139.1
fwAVG=2.25
sdW=173.9
fwW=1.95
sdS=219.3
fwS=2.22
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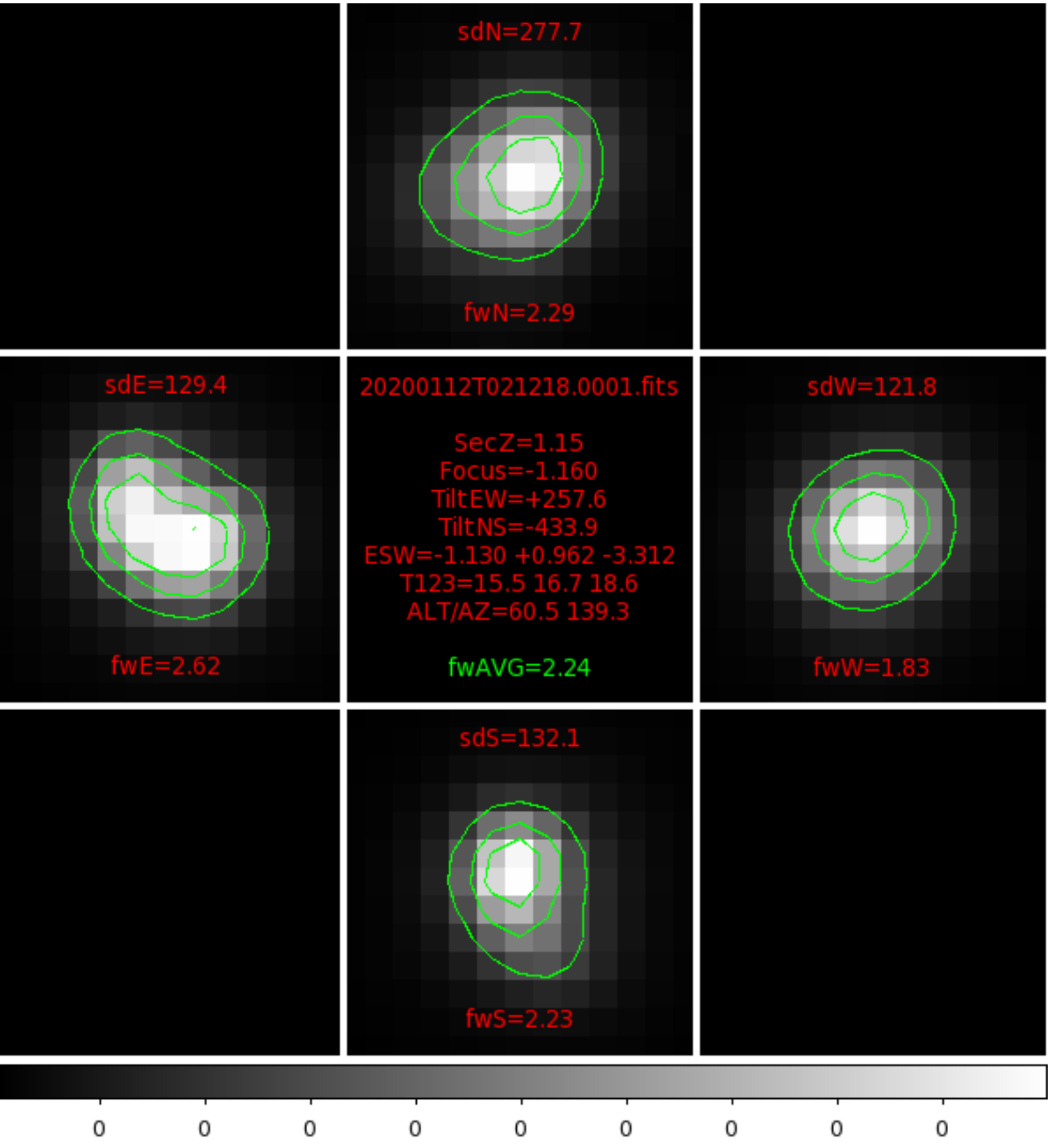
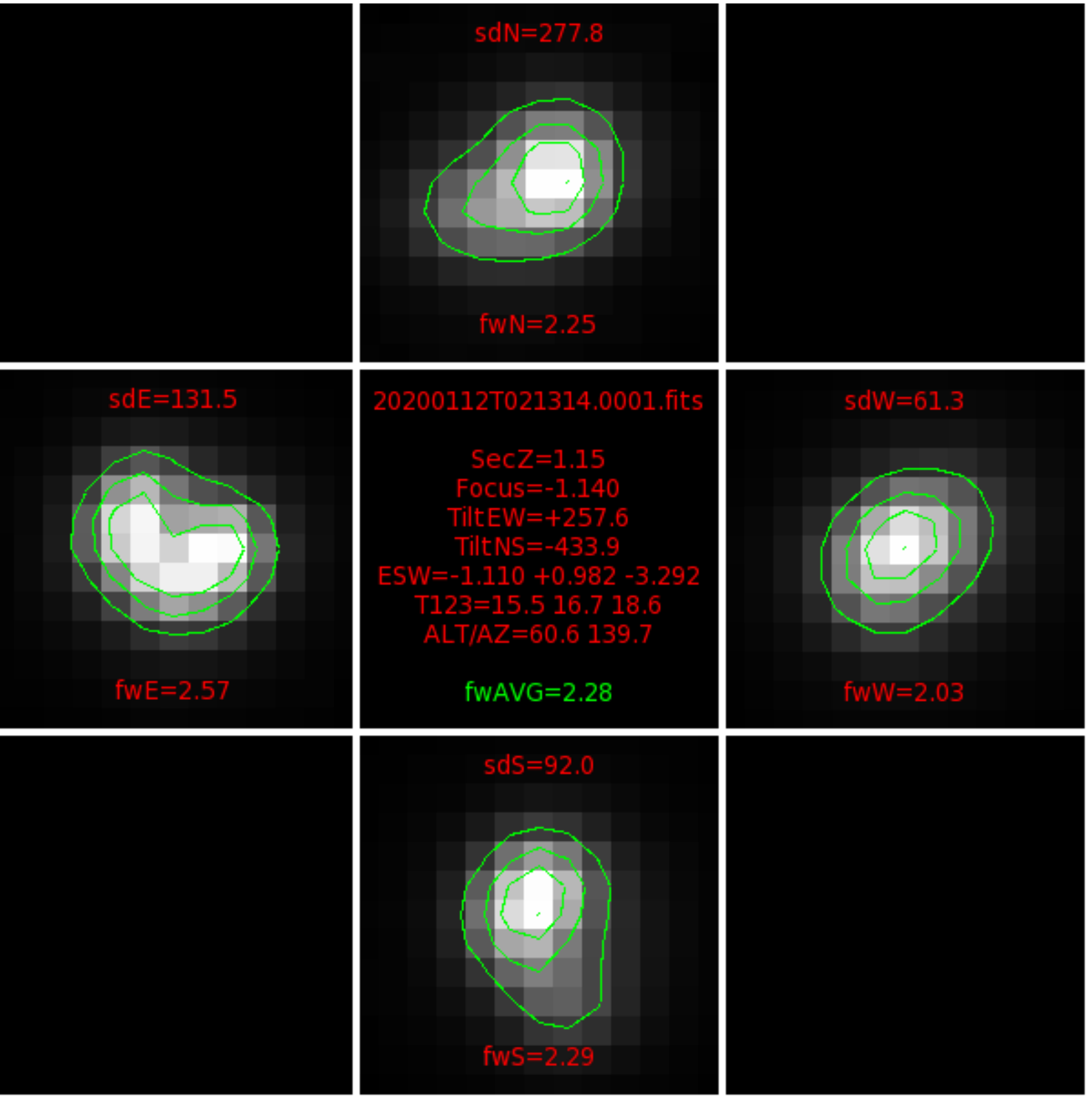

sdN=277.7
fwN=2.29
sdE=129.4
fwE=2.62
20200112T021218.0001.fits
SecZ=1.15
Focus=-1.160
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.130 +0.962 -3.312
T123=15.5 16.7 18.6
ALT/AZ=60.5 139.3
fwAVG=2.24
sdW=121.8
fwW=1.83
sdS=132.1
fwS=2.23
0 0 0 0 0 0 0 0 0


sdN=277.8
fwN=2.25
sdE=131.5
fwE=2.57
20200112T021314.0001.fits
SecZ=1.15
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.5 16.7 18.6
ALT/AZ=60.6 139.7
fwAVG=2.28
sdW=61.3
fwW=2.03
sdS=92.0
fwS=2.29
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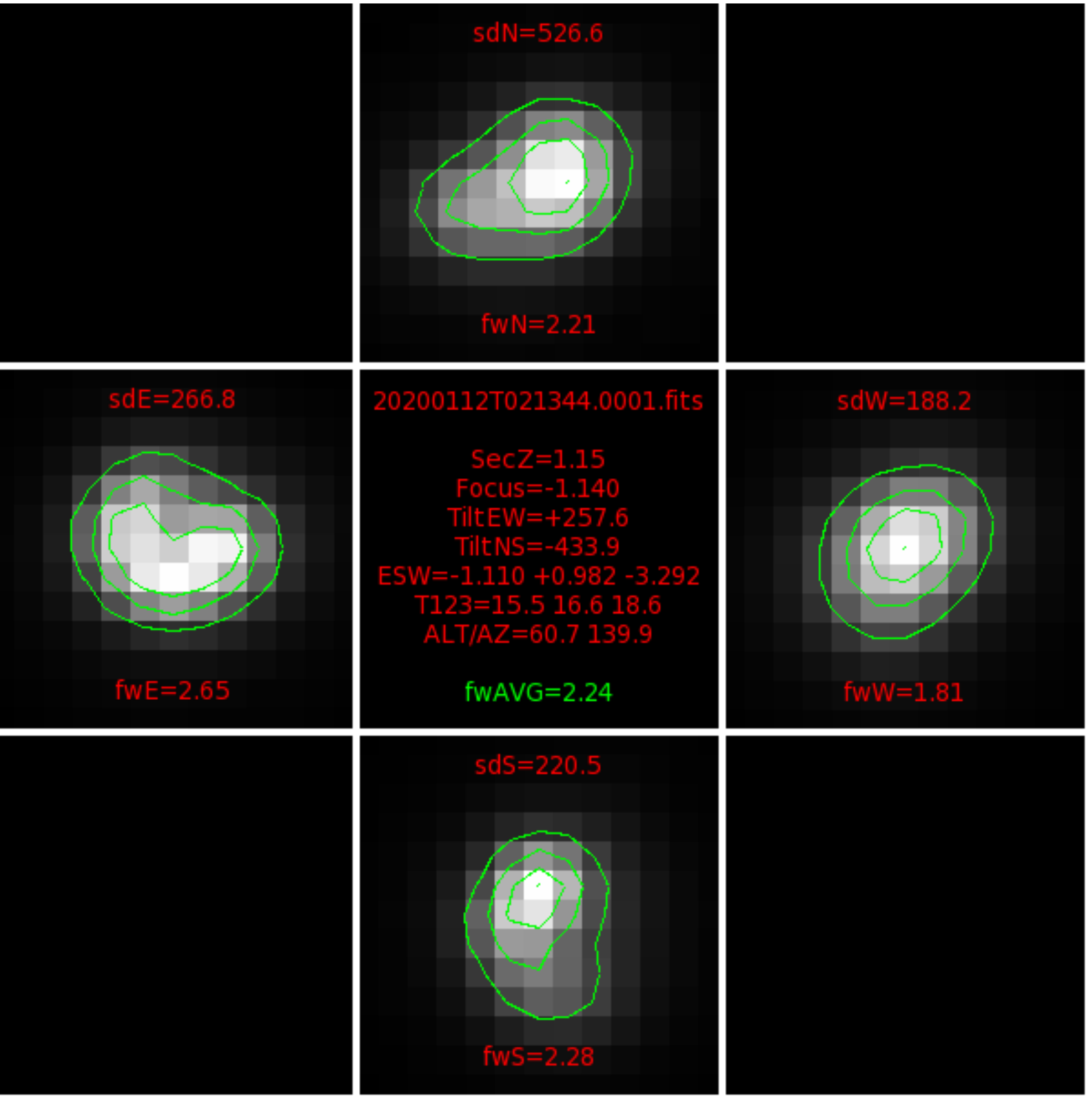
sdN=526.6
fwN=2.21
sdE=266.8
fwE=2.65
20200112T021344.0001.fits
SecZ=1.15
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.5 16.6 18.6
ALT/AZ=60.7 139.9
fwAVG=2.24
sdW=188.2
fwW=1.81
sdS=220.5
fwS=2.28
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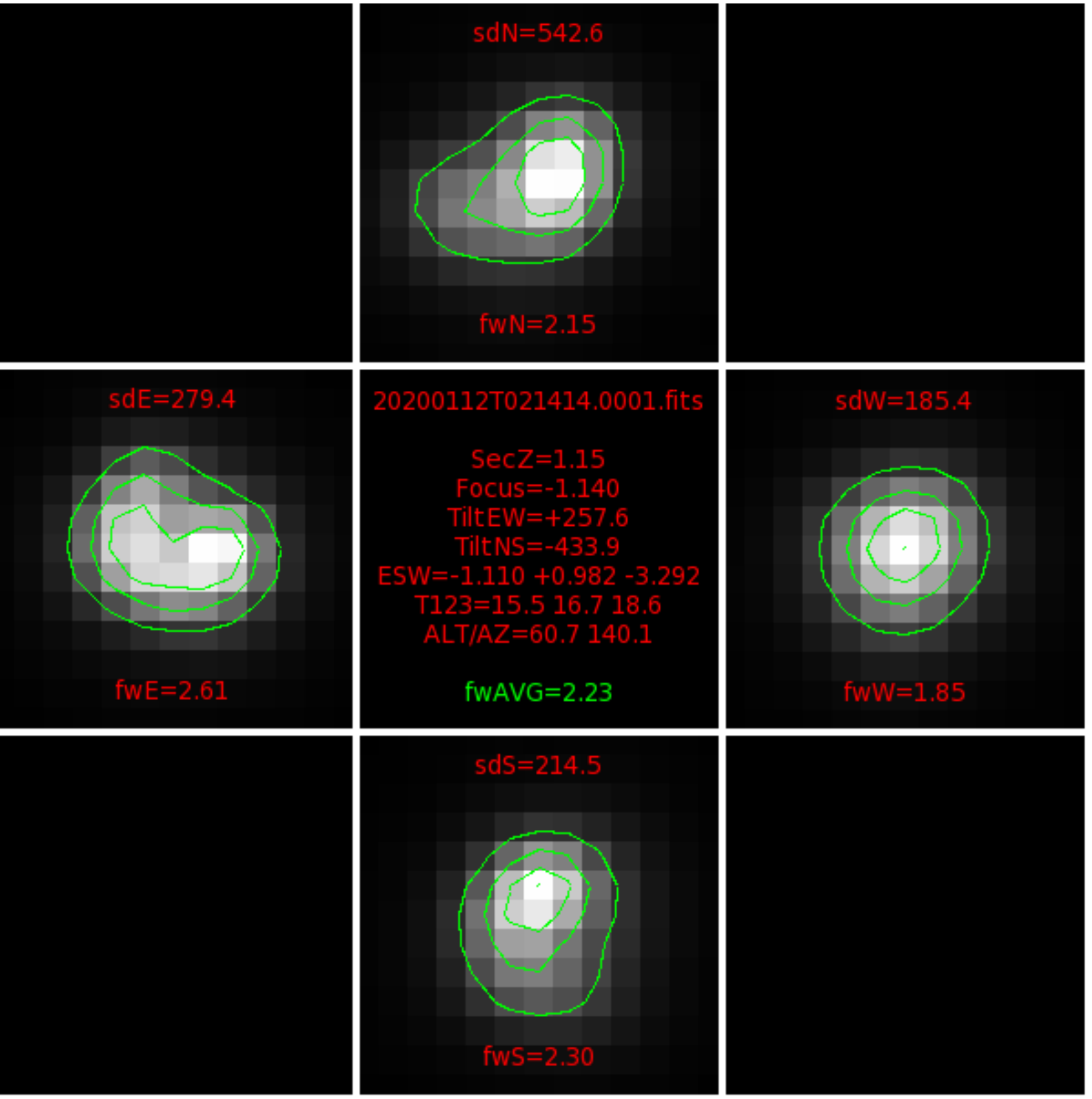
sdN=542.6
fwN=2.15
sdE=279.4
fwE=2.61
20200112T021414.0001.fits
SecZ=1.15
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.5 16.7 18.6
ALT/AZ=60.7 140.1
fwAVG=2.23
sdW=185.4
fwW=1.85
sdS=214.5
fwS=2.30
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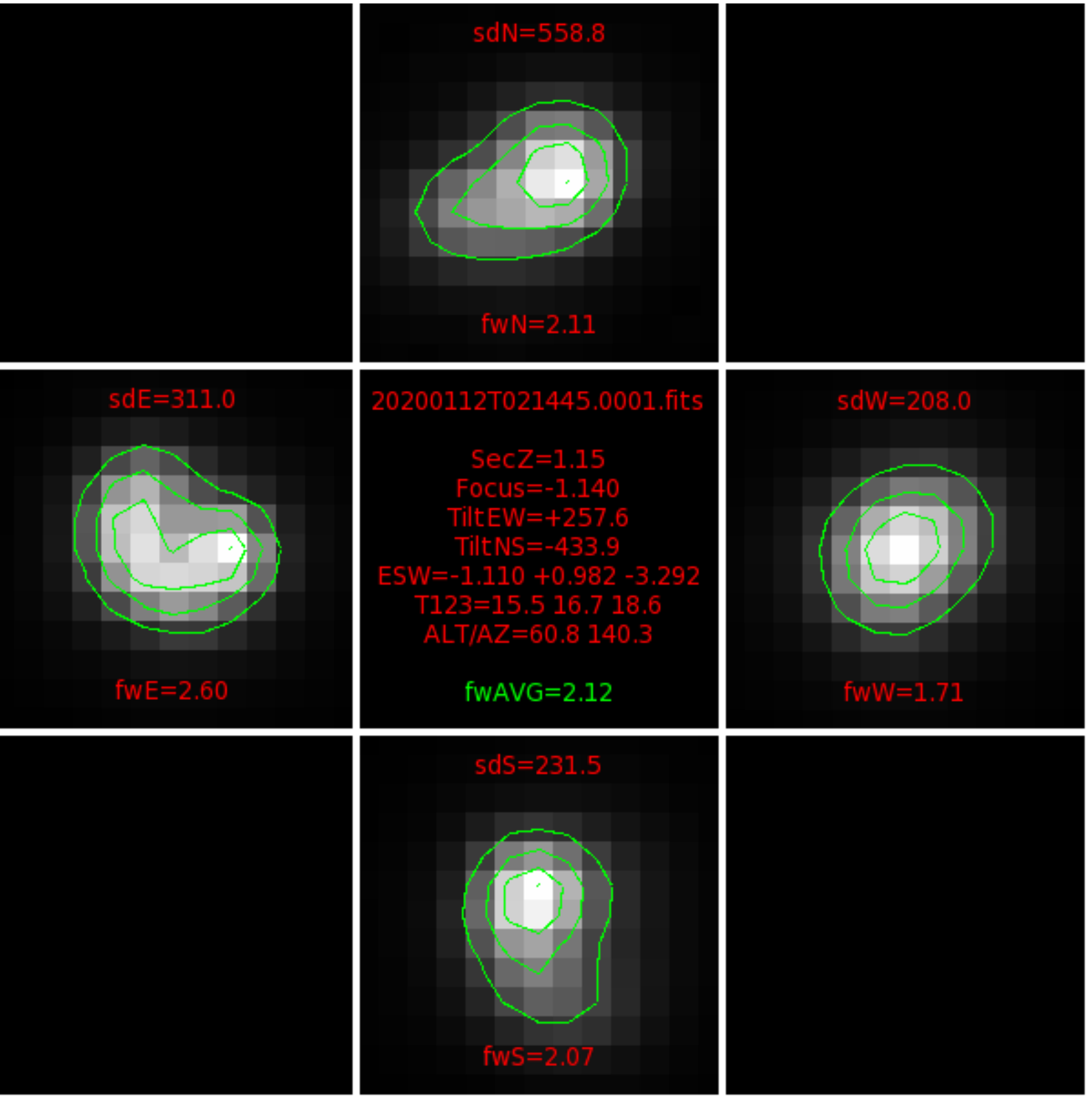
sdN=558.8
fwN=2.11
sdE=311.0
fwE=2.60
20200112T021445.0001.fits
SecZ=1.15
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.5 16.7 18.6
ALT/AZ=60.8 140.3
fwAVG=2.12
sdW=208.0
fwW=1.71
sdS=231.5
fwS=2.07
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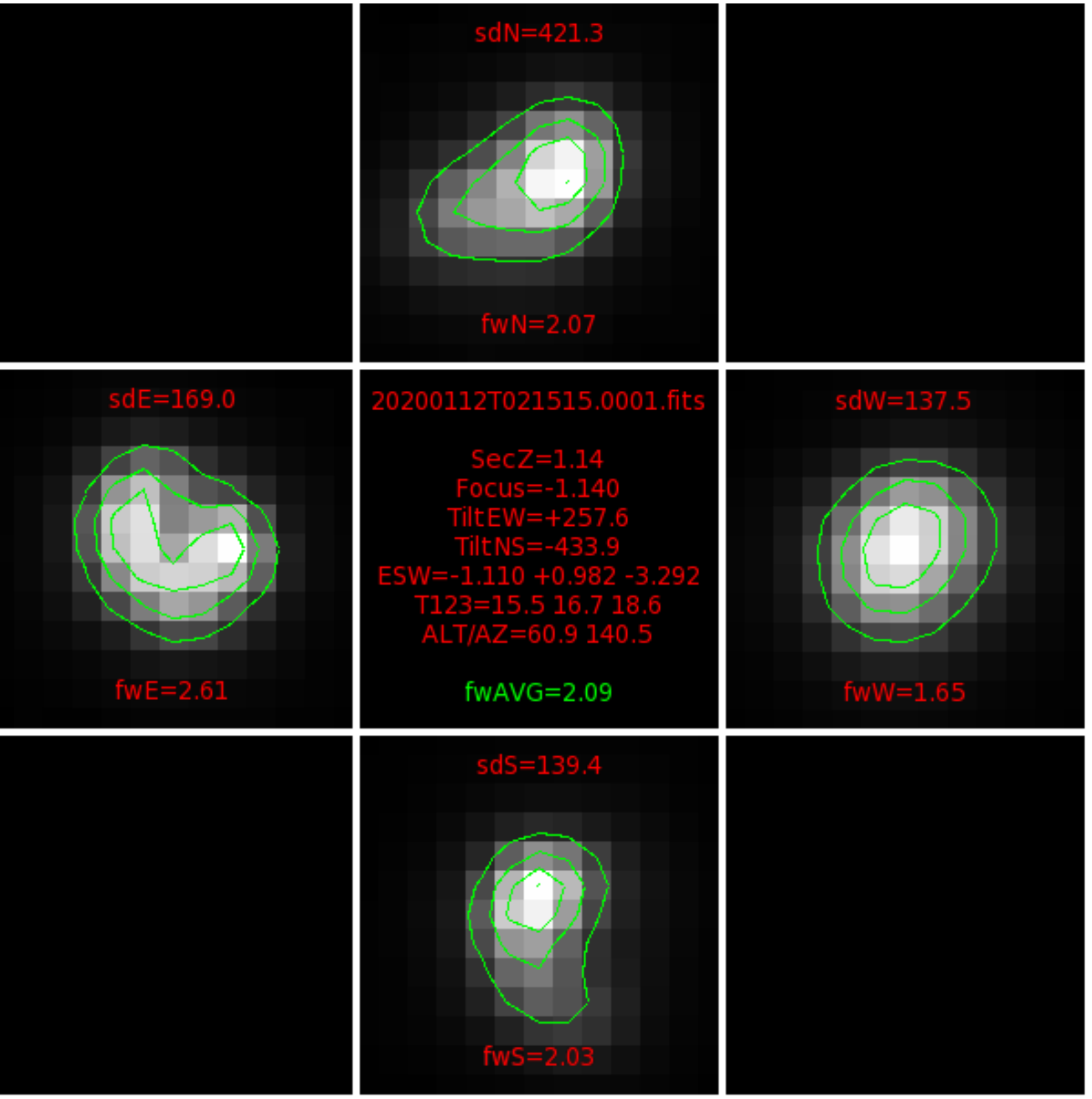
sdN=421.3
fwN=2.07
sdE=169.0
fwE=2.61
20200112T021515.0001.fits
SecZ=1.14
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.5 16.7 18.6
ALT/AZ=60.9 140.5
fwAVG=2.09
sdW=137.5
fwW=1.65
sdS=139.4
fwS=2.03
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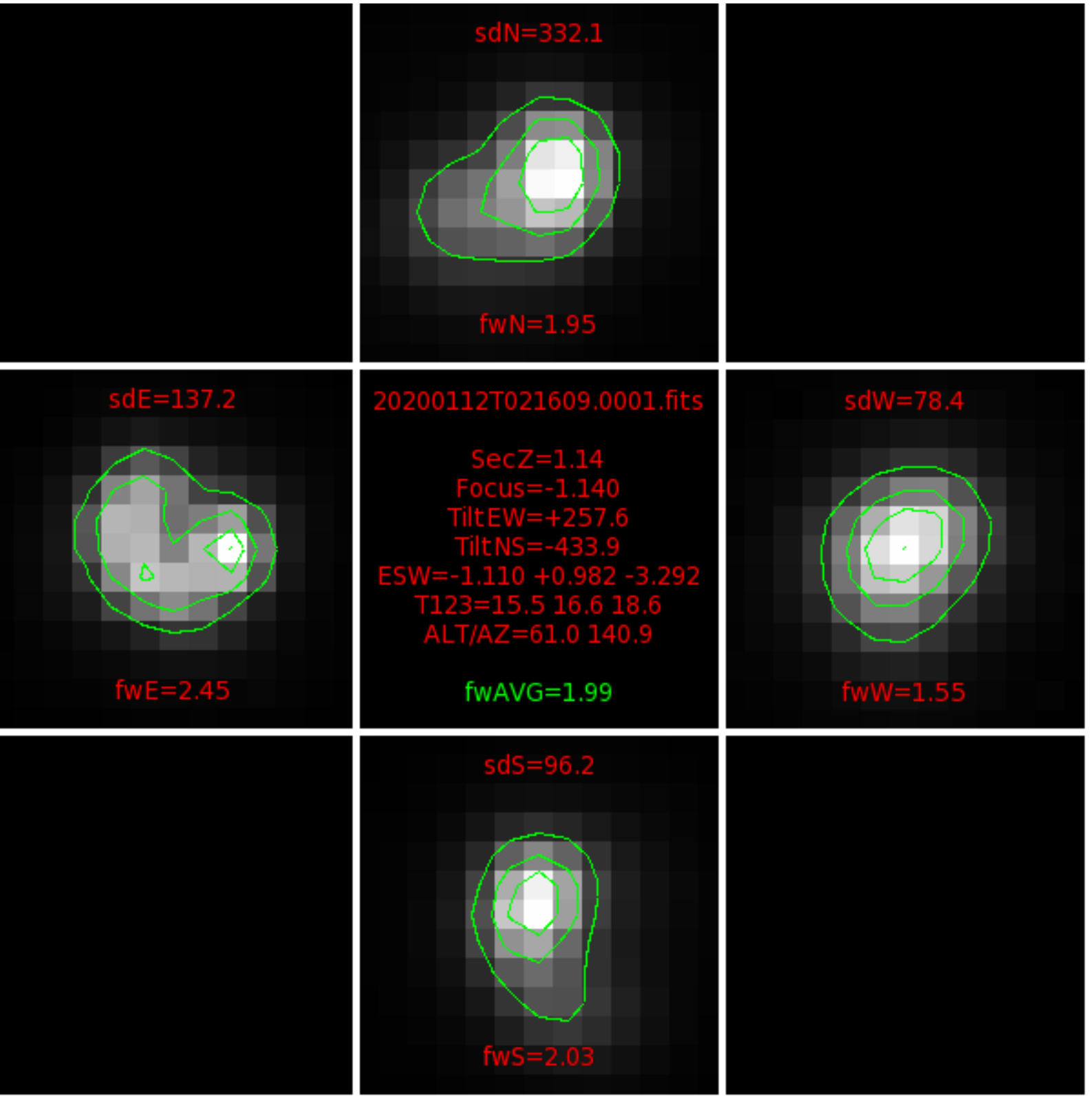
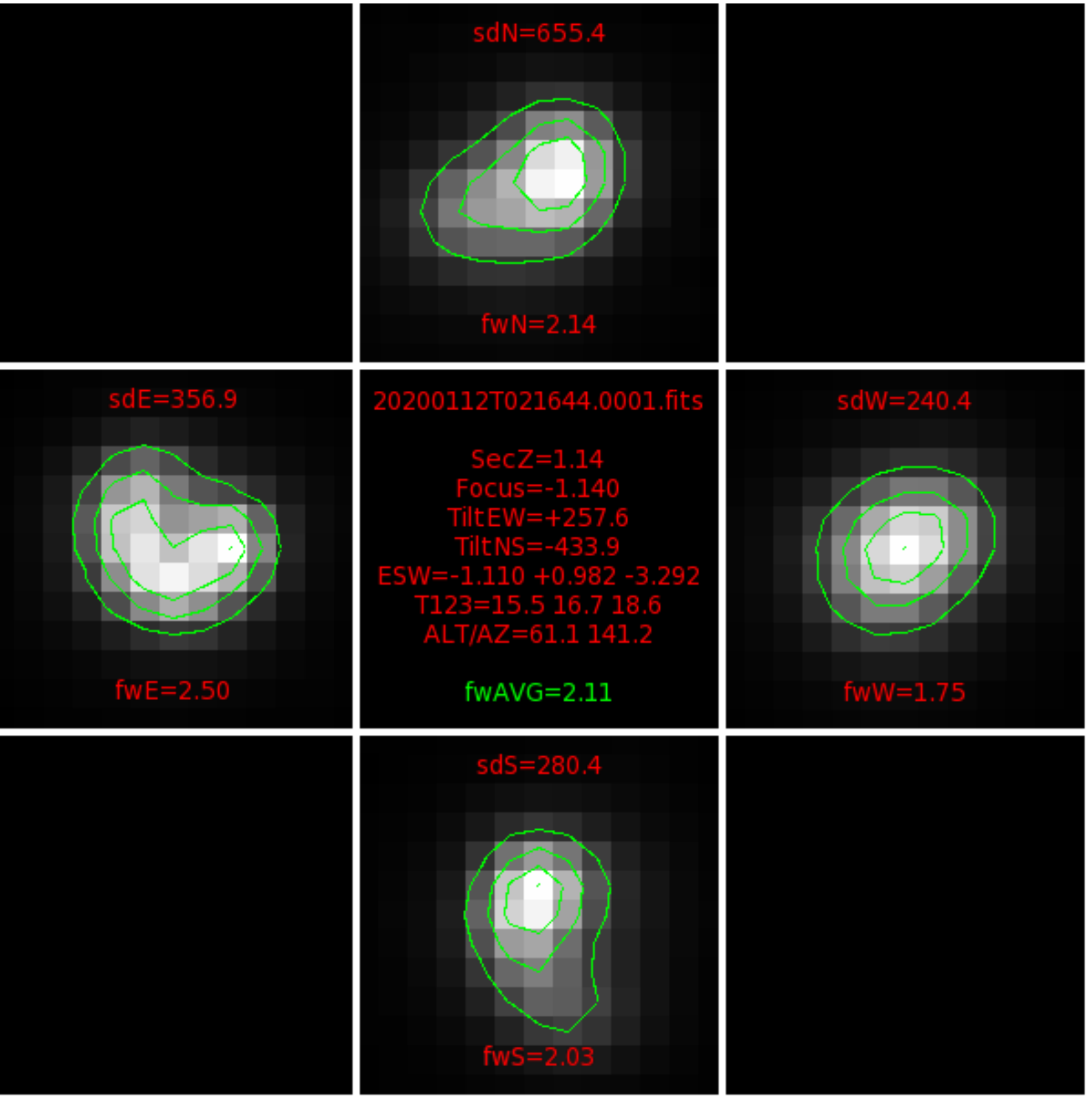
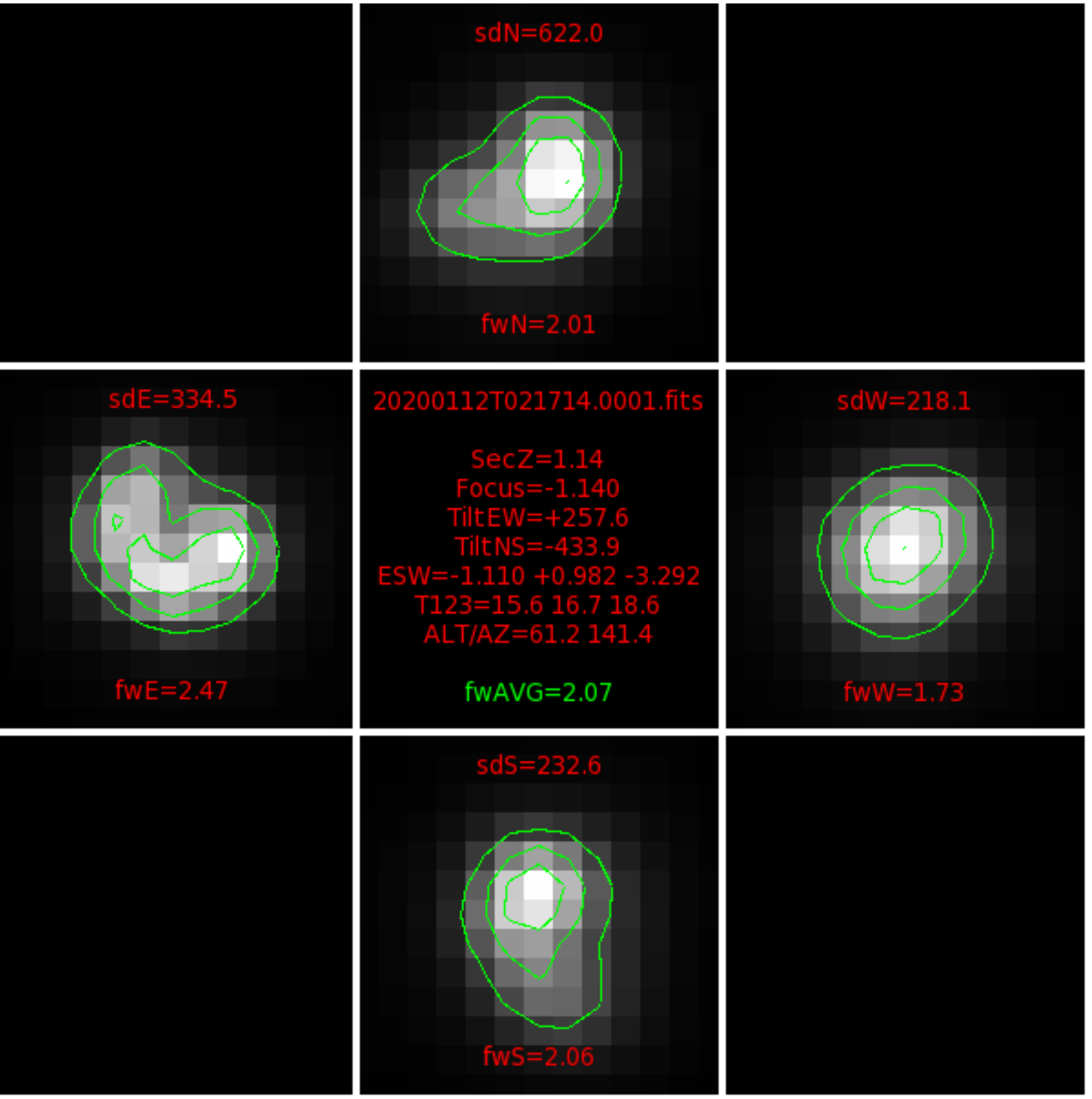

sdN=332.1
fwN=1.95
sdE=137.2
fwE=2.45
20200112T021609.0001.fits
SecZ=1.14
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.5 16.6 18.6
ALT/AZ=61.0 140.9
fwAVG=1.99
sdW=78.4
fwW=1.55
sdS=96.2
fwS=2.03
0 0 0 0 0 0 0 0 0


sdN=655.4
fwN=2.14
sdE=356.9
fwE=2.50
20200112T021644.0001.fits
SecZ=1.14
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.5 16.7 18.6
ALT/AZ=61.1 141.2
fwAVG=2.11
sdW=240.4
fwW=1.75
sdS=280.4
fwS=2.03
0 0 0 0 0 0 0 0 0


sdN=622.0
fwN=2.01
sdE=334.5
fwE=2.47
20200112T021714.0001.fits
SecZ=1.14
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=61.2 141.4
fwAVG=2.07
sdW=218.1
fwW=1.73
sdS=232.6
fwS=2.06
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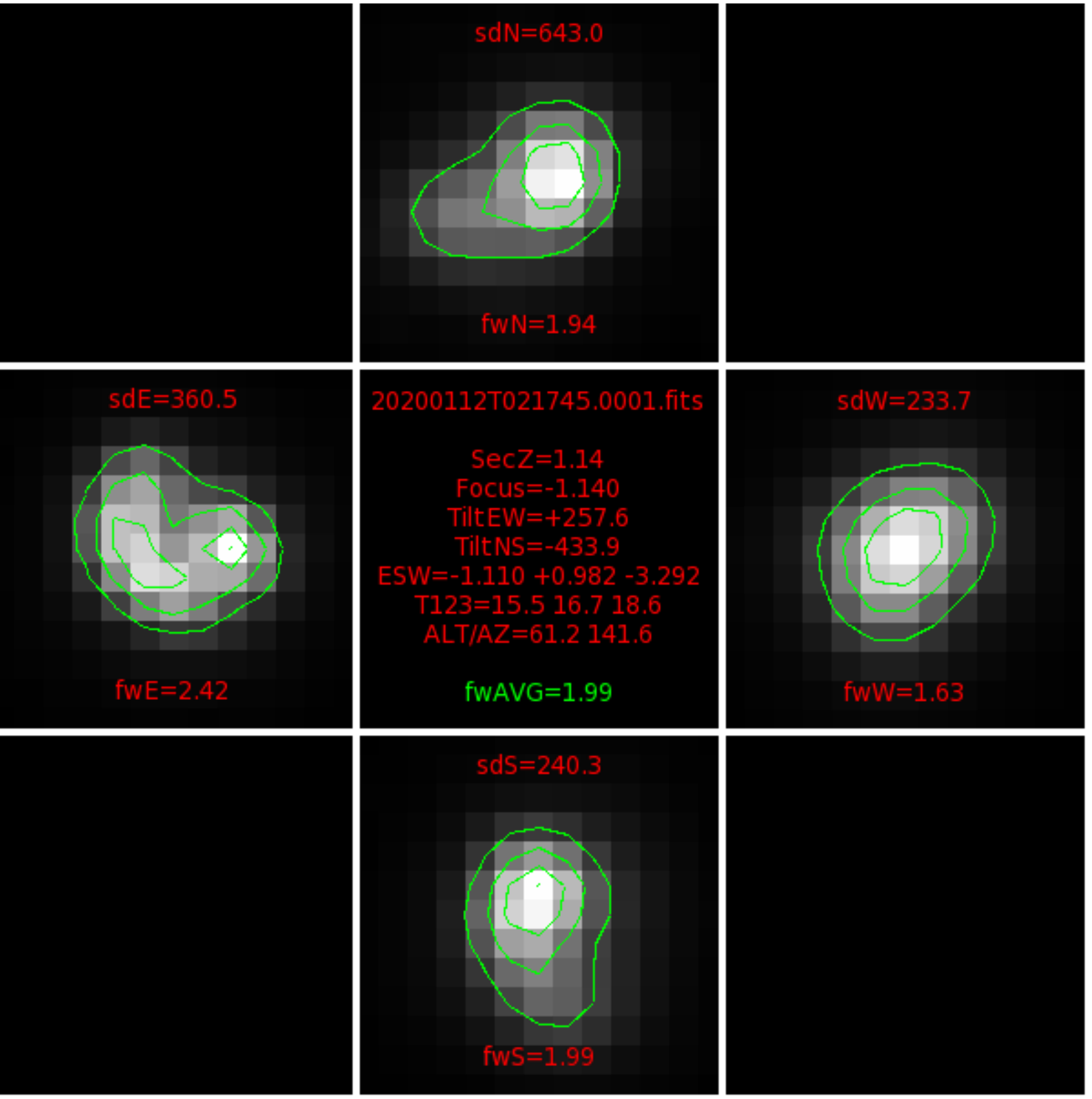
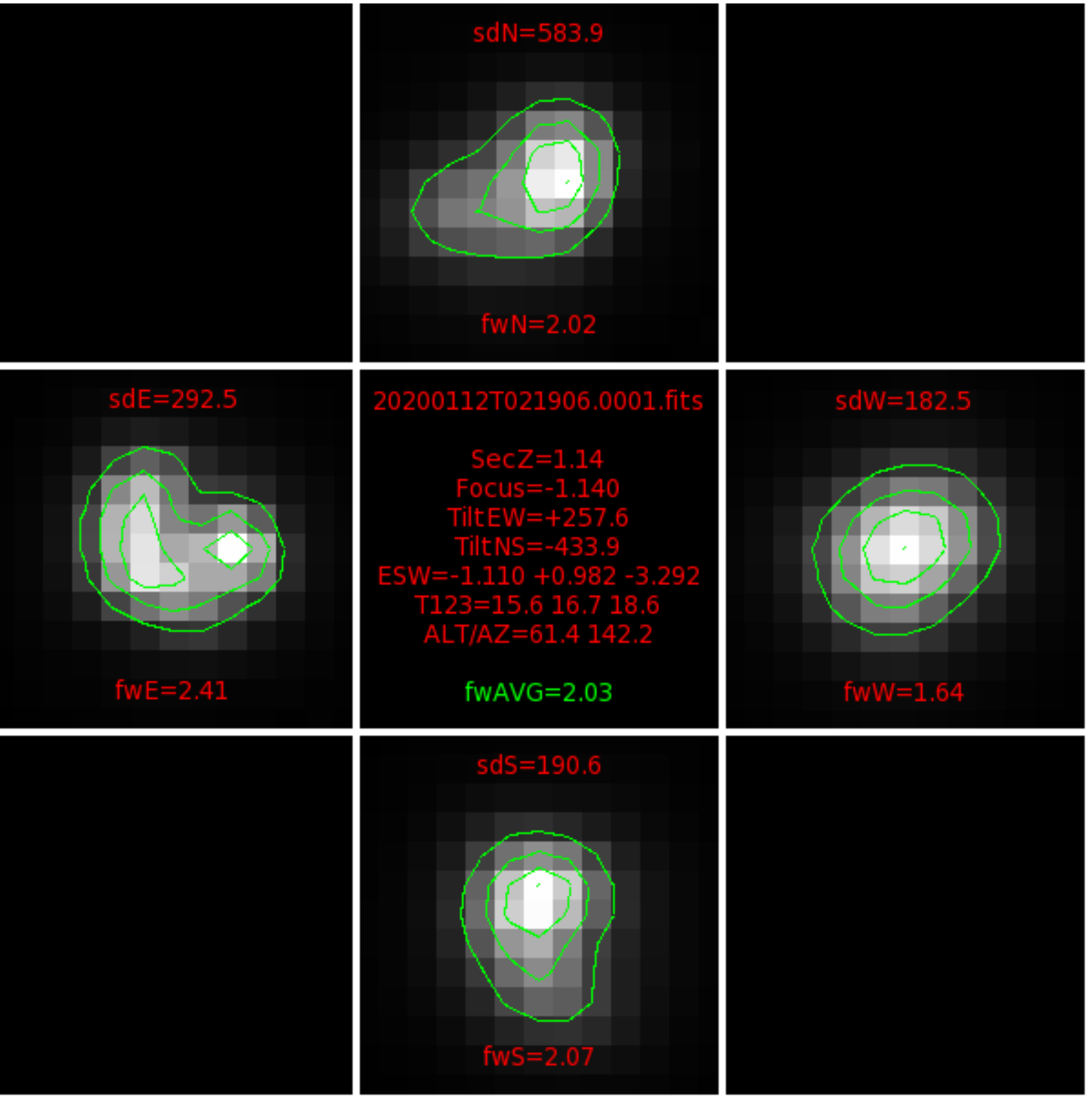

sdN=643.0
fwN=1.94
sdE=360.5
fwE=2.42
20200112T021745.0001.fits
SecZ=1.14
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.5 16.7 18.6
ALT/AZ=61.2 141.6
fwAVG=1.99
sdW=233.7
fwW=1.63
sdS=240.3
fwS=1.99
0 0 0 0 0 0 0 0 0


sdN=583.9
fwN=2.02
sdE=292.5
fwE=2.41
20200112T021906.0001.fits
SecZ=1.14
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=61.4 142.2
fwAVG=2.03
sdW=182.5
fwW=1.64
sdS=190.6
fwS=2.07
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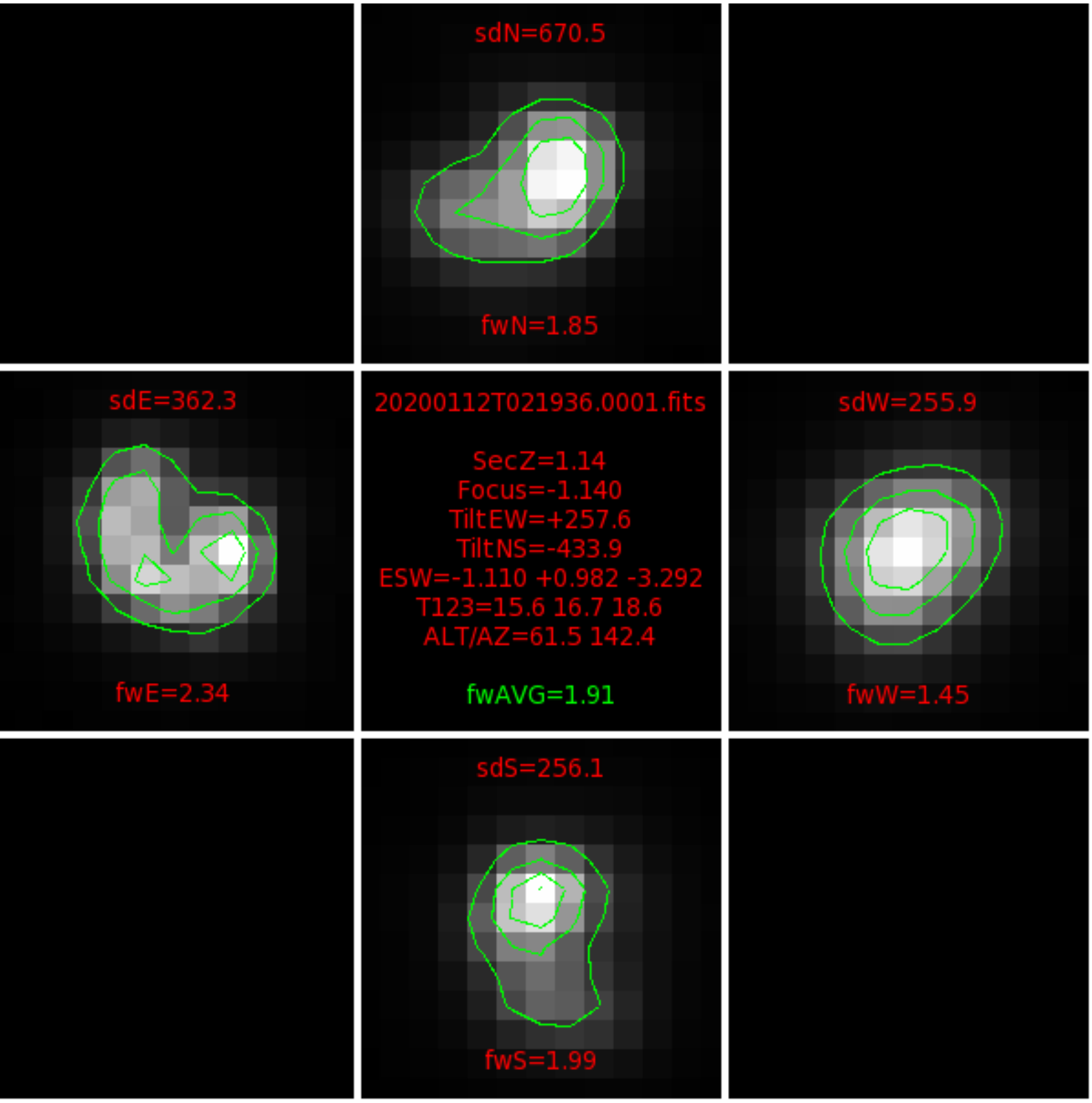
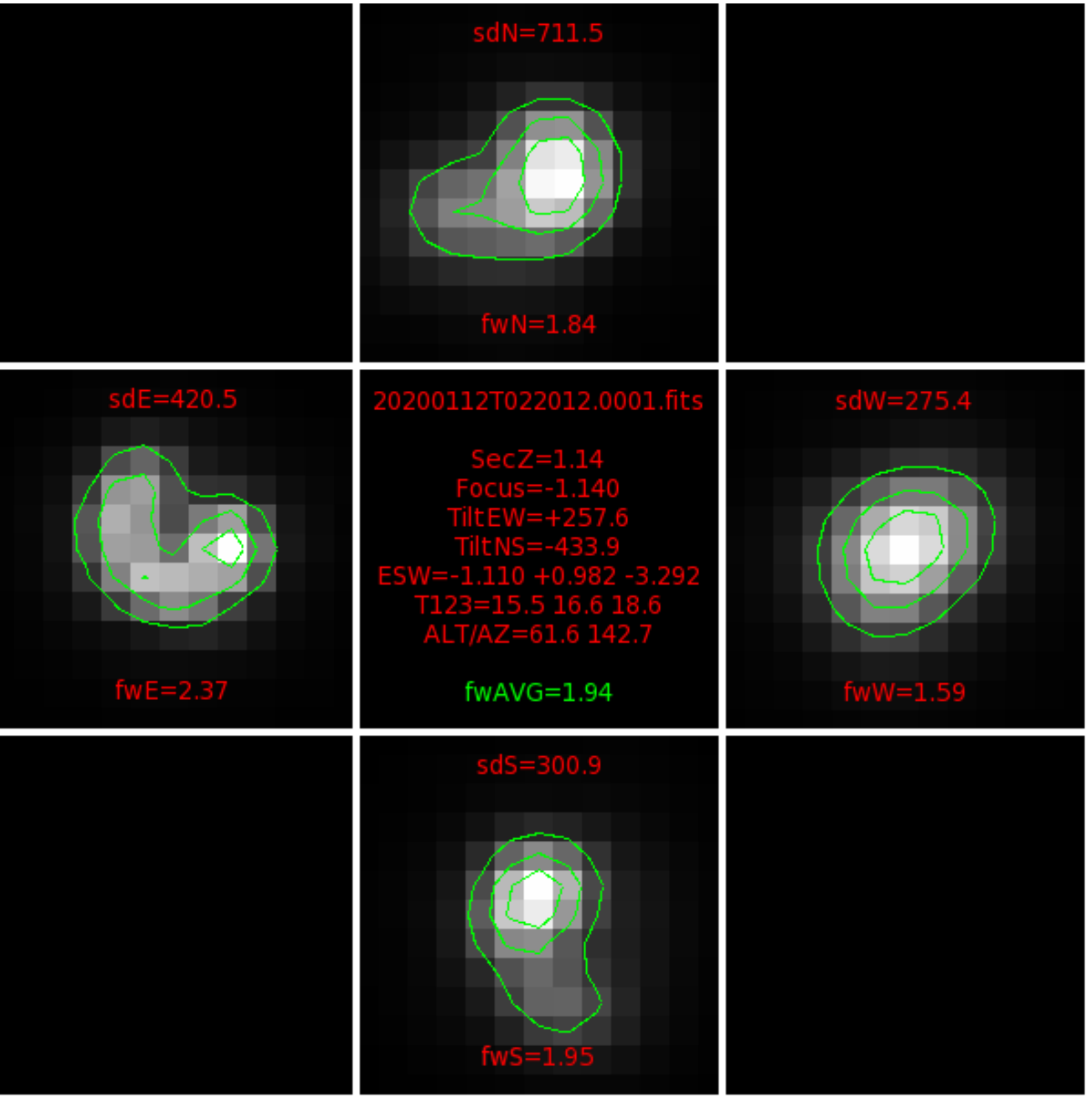

sdN=670.5
fwN=1.85
sdE=362.3
fwE=2.34
20200112T021936.0001.fits
SecZ=1.14
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=61.5 142.4
fwAVG=1.91
sdW=255.9
fwW=1.45
sdS=256.1
fwS=1.99
0 0 0 0 0 0 0 0 0


sdN=711.5
fwN=1.84
sdE=420.5
fwE=2.37
20200112T022012.0001.fits
SecZ=1.14
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.5 16.6 18.6
ALT/AZ=61.6 142.7
fwAVG=1.94
sdW=275.4
fwW=1.59
sdS=300.9
fwS=1.95
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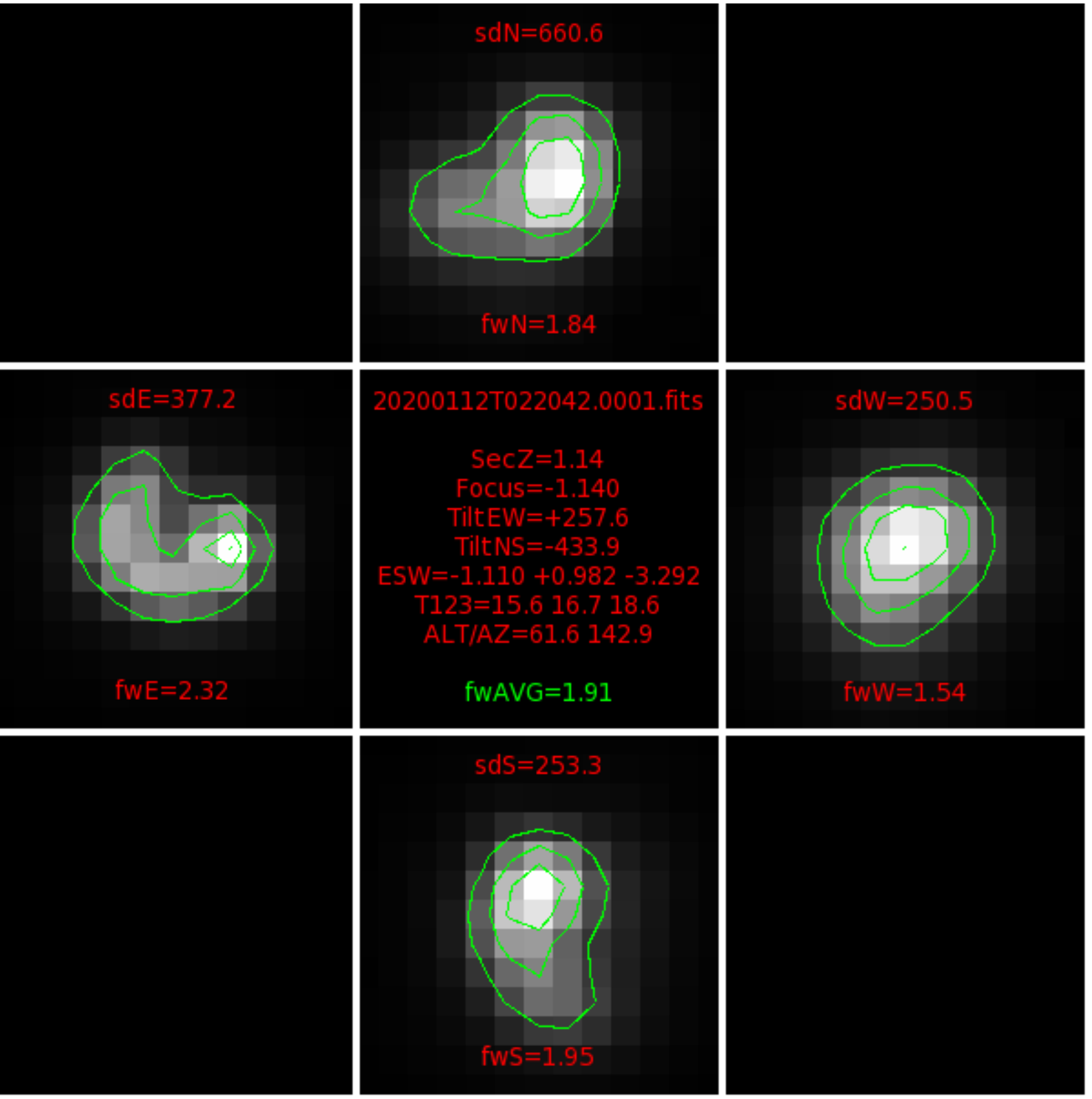
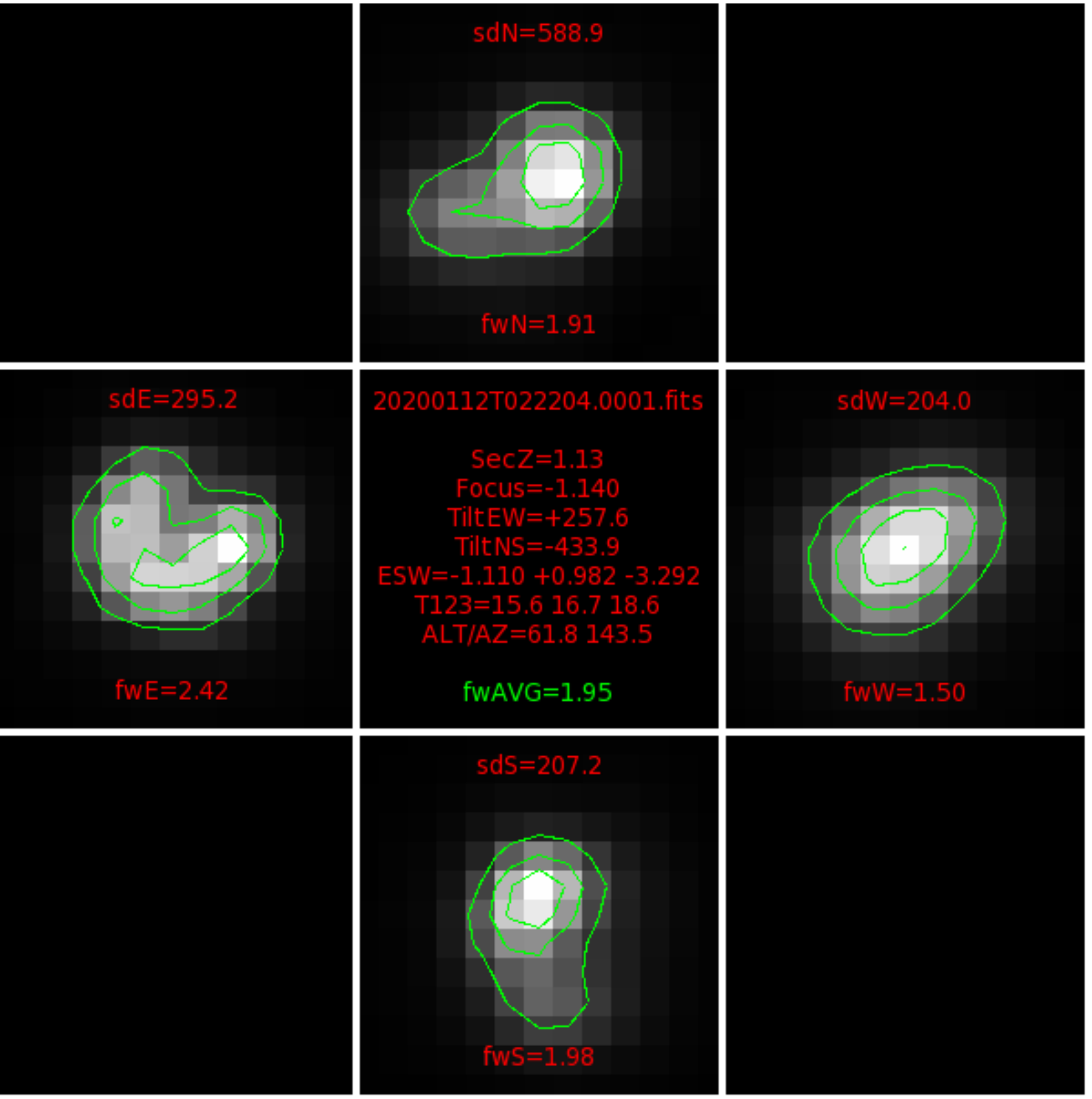
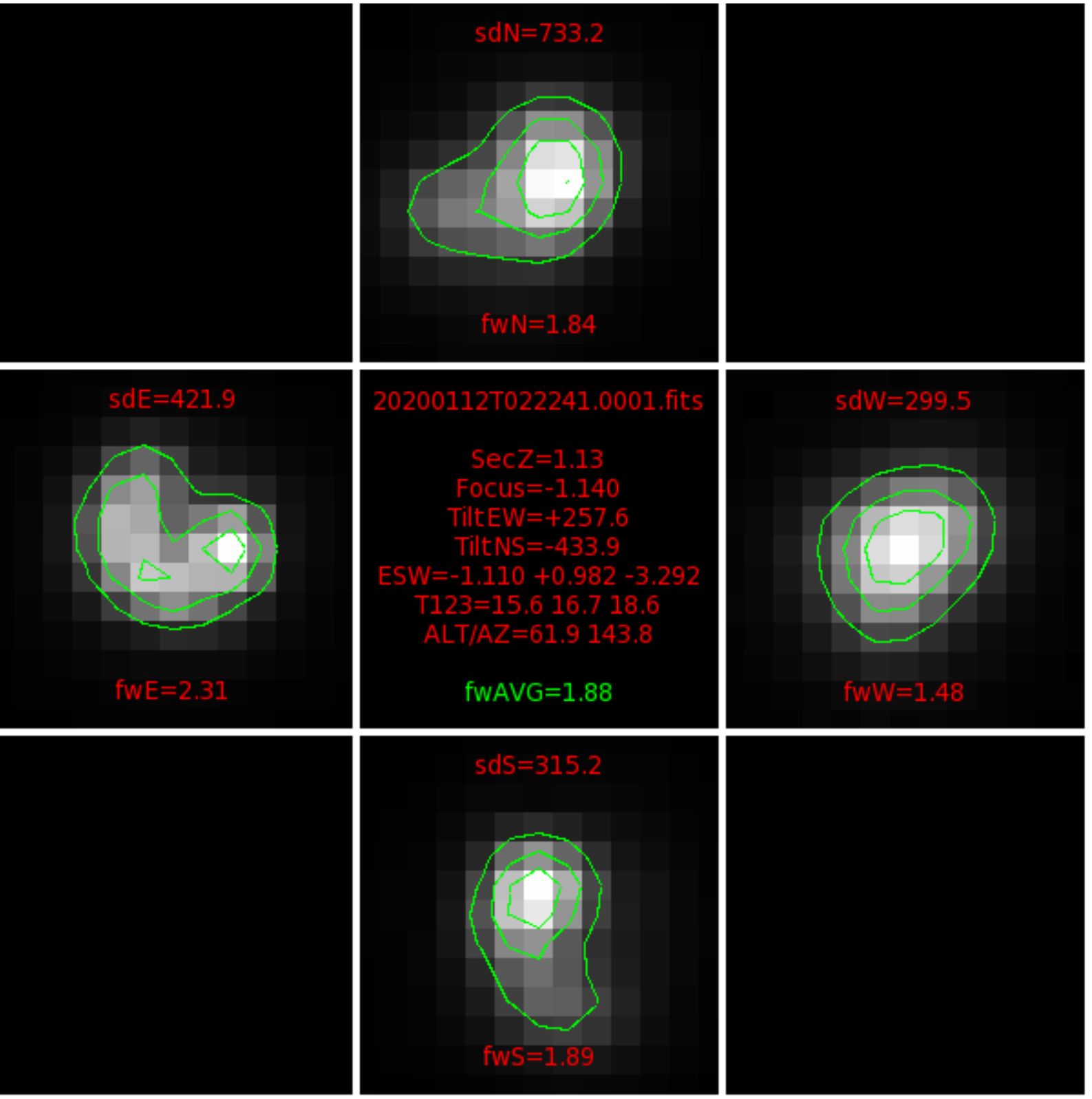

sdN=660.6
fwN=1.84
sdE=377.2
fwE=2.32
20200112T022042.0001.fits
SecZ=1.14
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=61.6 142.9
fwAVG=1.91
sdW=250.5
fwW=1.54
sdS=253.3
fwS=1.95
0 0 0 0 0 0 0 0 0


sdN=588.9
fwN=1.91
sdE=295.2
fwE=2.42
20200112T022204.0001.fits
SecZ=1.13
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=61.8 143.5
fwAVG=1.95
sdW=204.0
fwW=1.50
sdS=207.2
fwS=1.98
0 0 0 0 0 0 0 0 0


sdN=733.2
fwN=1.84
sdE=421.9
fwE=2.31
20200112T022241.0001.fits
SecZ=1.13
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=61.9 143.8
fwAVG=1.88
sdW=299.5
fwW=1.48
sdS=315.2
fwS=1.89
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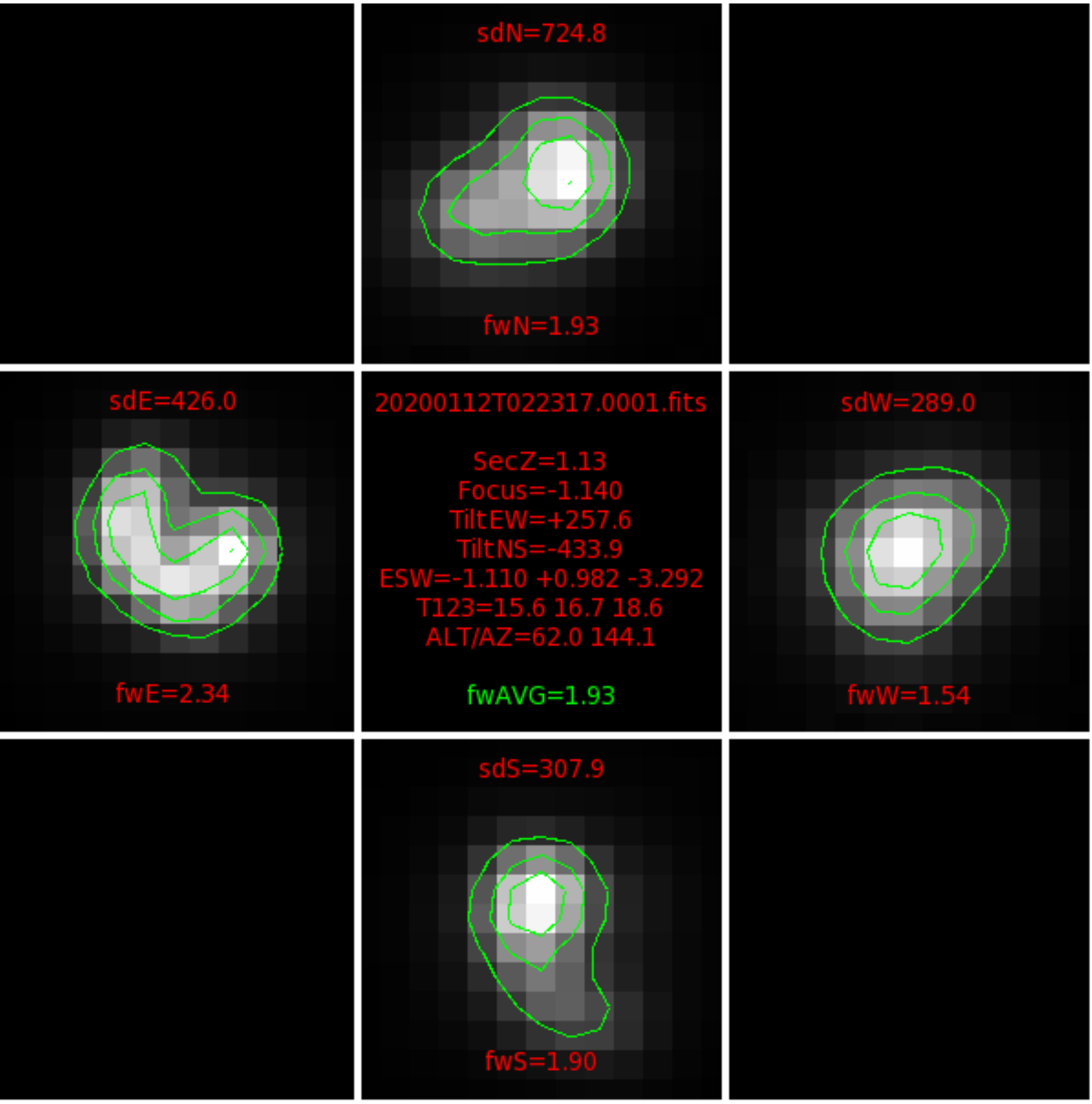
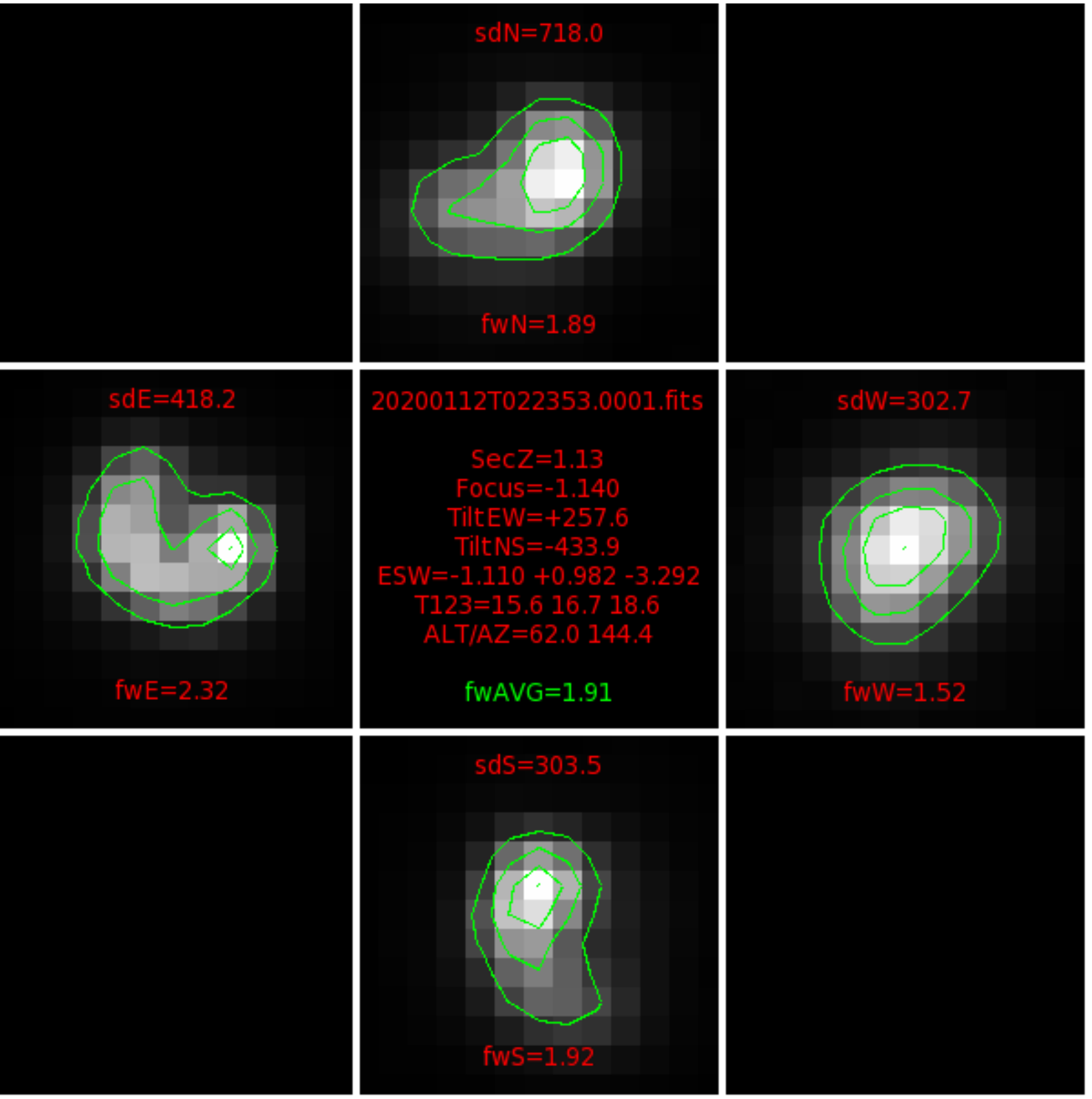

sdN=724.8
fwN=1.93
sdE=426.0
fwE=2.34
20200112T022317.0001.fits
SecZ=1.13
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=62.0 144.1
fwAVG=1.93
sdW=289.0
fwW=1.54
sdS=307.9
fwS=1.90
0 0 0 0 0 0 0 0 0


sdN=718.0
fwN=1.89
sdE=418.2
fwE=2.32
20200112T022353.0001.fits
SecZ=1.13
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=62.0 144.4
fwAVG=1.91
sdW=302.7
fwW=1.52
sdS=303.5
fwS=1.92
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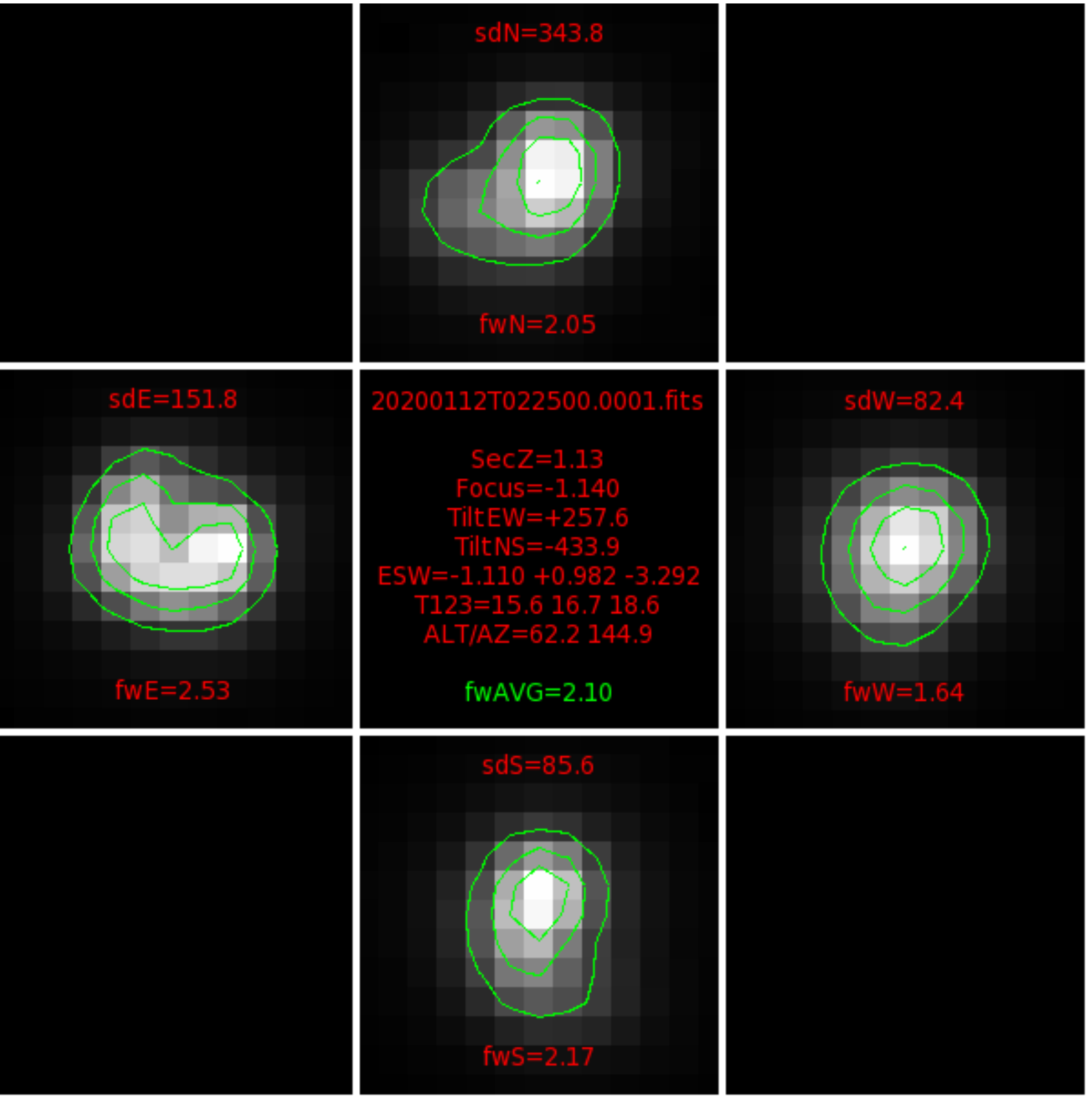
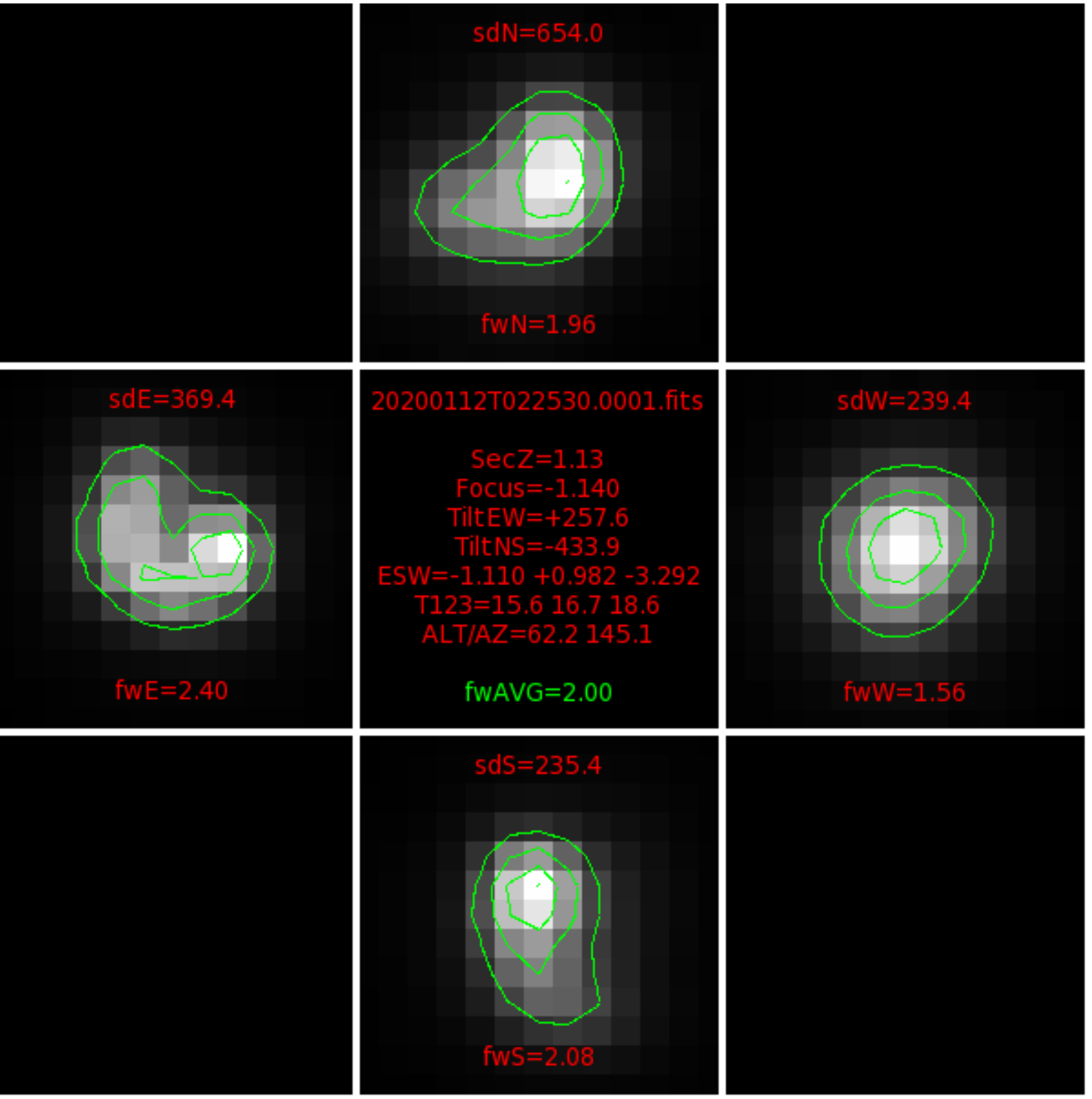

sdN=343.8
fwN=2.05
sdE=151.8
fwE=2.53
20200112T022500.0001.fits
SecZ=1.13
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=62.2 144.9
fwAVG=2.10
sdW=82.4
fwW=1.64
sdS=85.6
fwS=2.17
0 0 0 0 0 0 0 0 0


sdN=654.0
fwN=1.96
sdE=369.4
fwE=2.40
20200112T022530.0001.fits
SecZ=1.13
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=62.2 145.1
fwAVG=2.00
sdW=239.4
fwW=1.56
sdS=235.4
fwS=2.08
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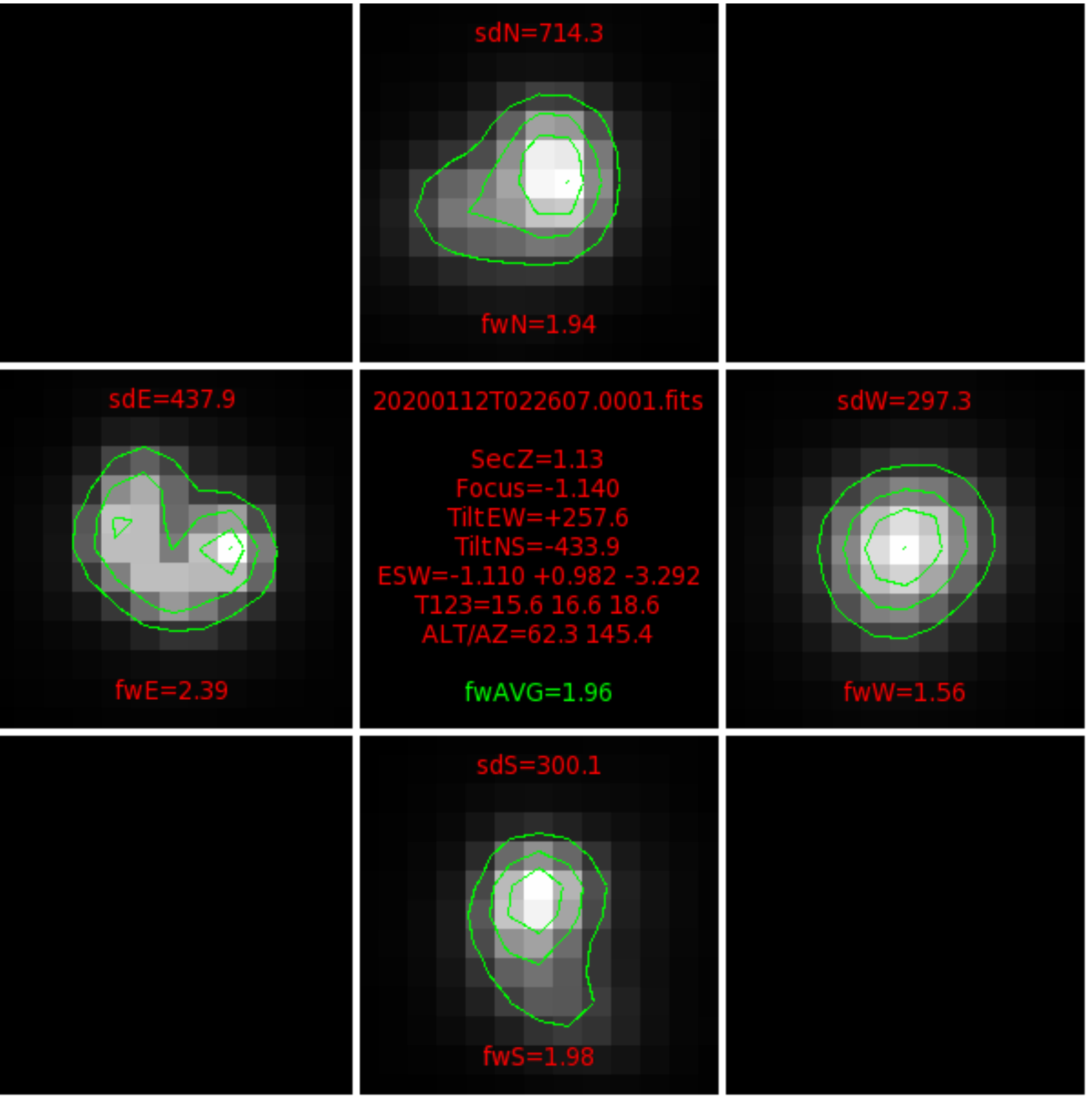
sdN=714.3
fwN=1.94
sdE=437.9
fwE=2.39
20200112T022607.0001.fits
SecZ=1.13
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.6 18.6
ALT/AZ=62.3 145.4
fwAVG=1.96
sdW=297.3
fwW=1.56
sdS=300.1
fwS=1.98
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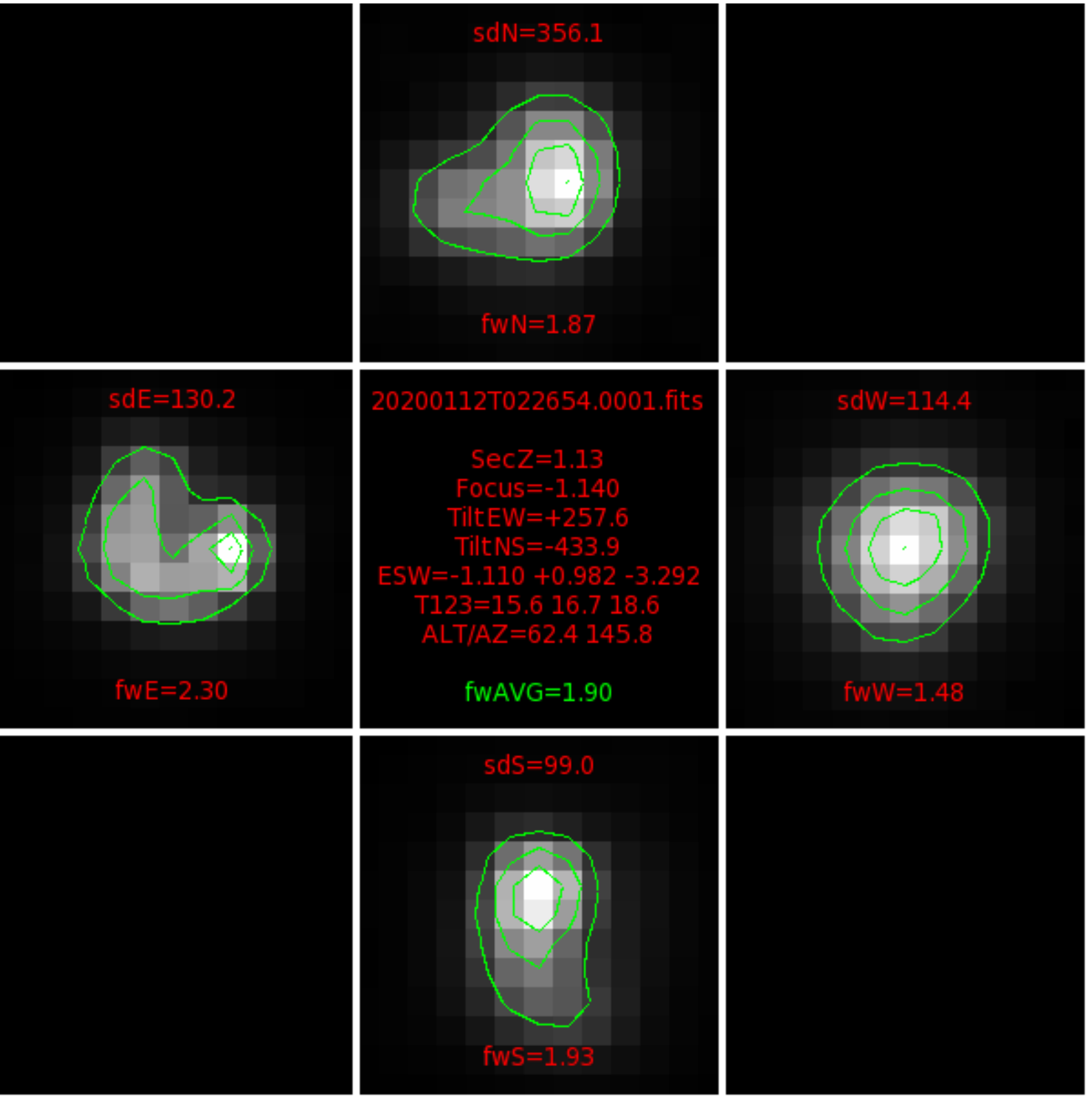
sdN=356.1
fwN=1.87
sdE=130.2
fwE=2.30
20200112T022654.0001.fits
SecZ=1.13
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=62.4 145.8
fwAVG=1.90
sdW=114.4
fwW=1.48
sdS=99.0
fwS=1.93
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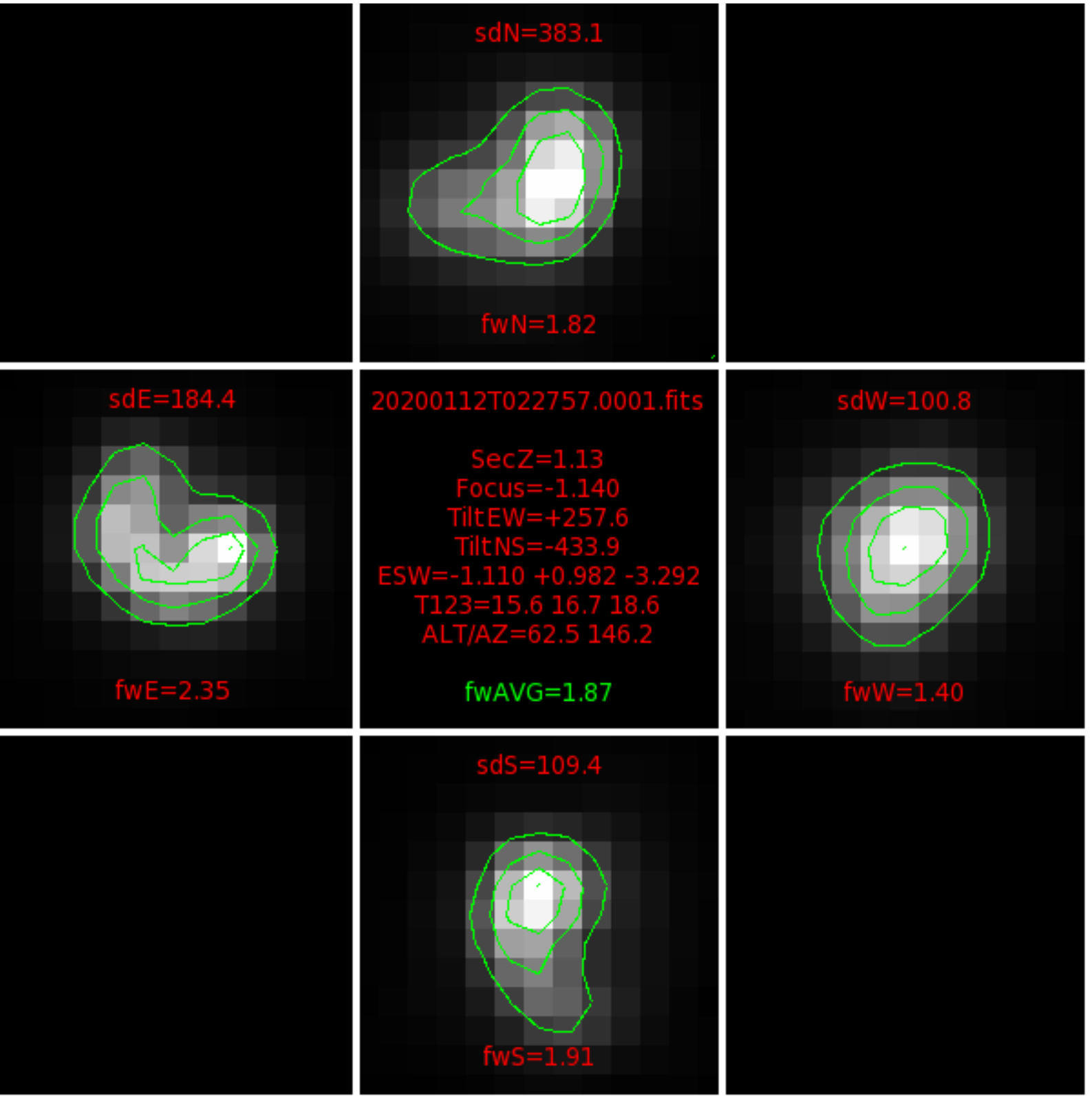
sdN=383.1
fwN=1.82
sdE=184.4
fwE=2.35
20200112T022757.0001.fits
SecZ=1.13
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=62.5 146.2
fwAVG=1.87
sdW=100.8
fwW=1.40
sdS=109.4
fwS=1.91
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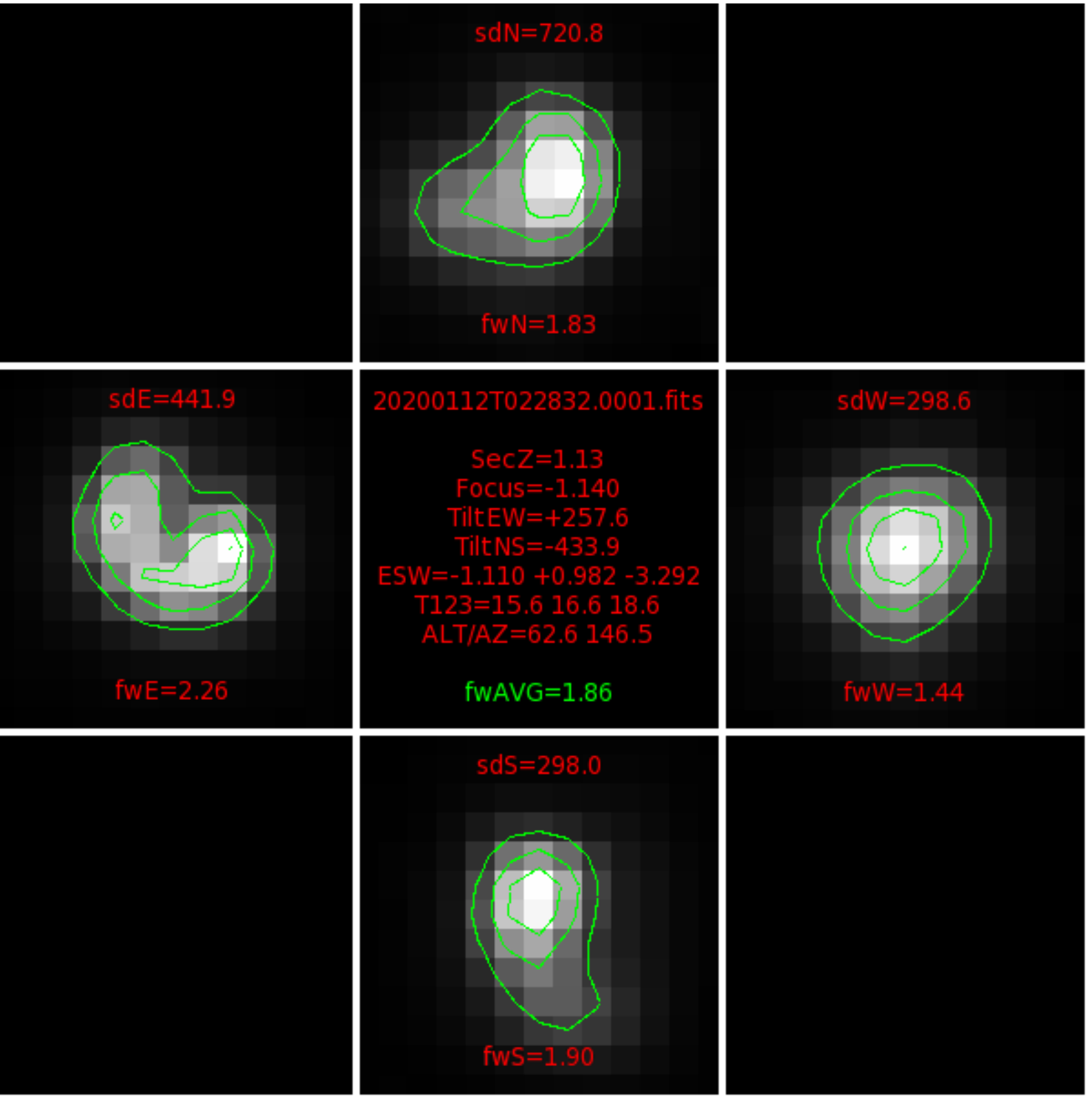
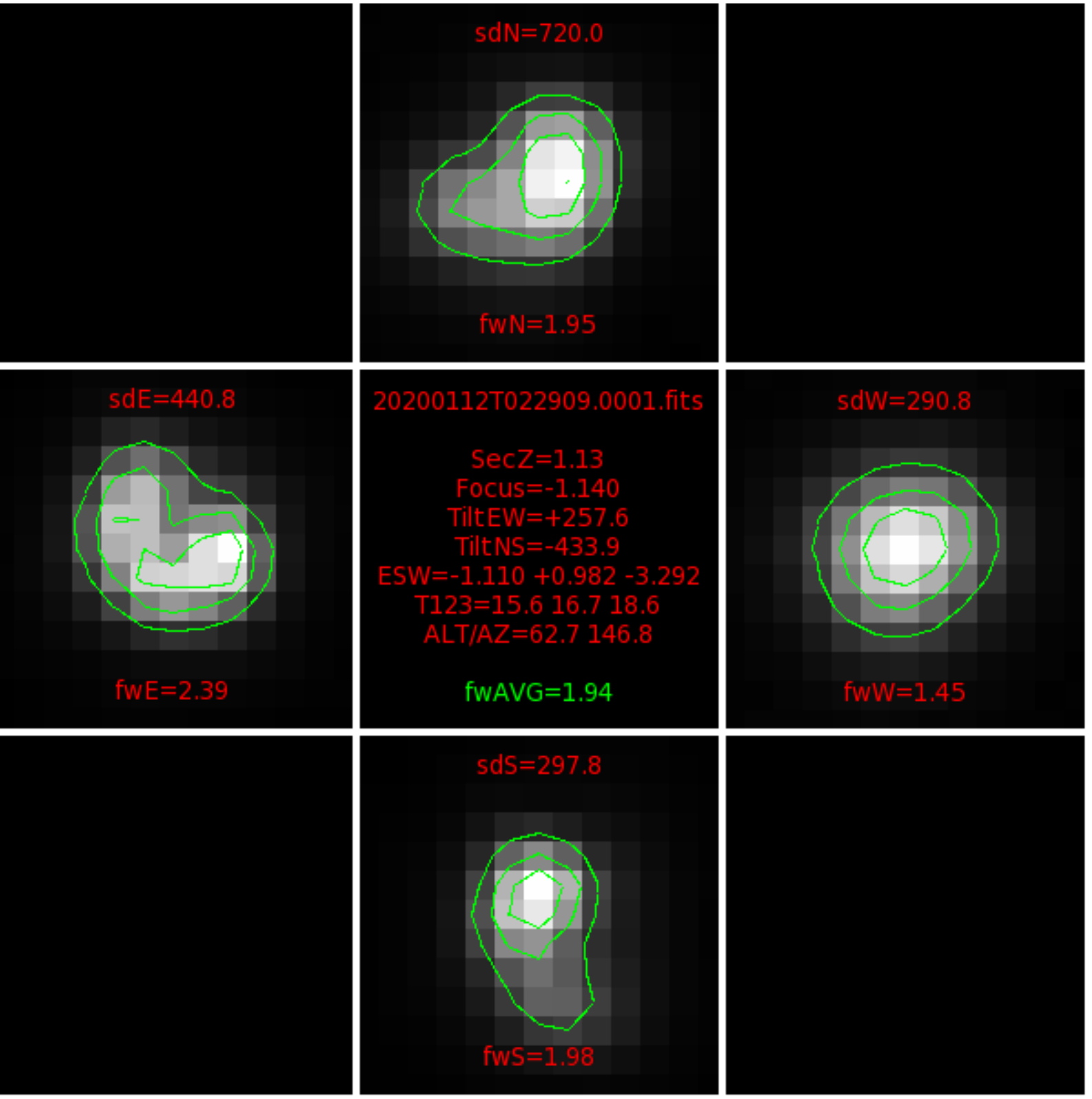
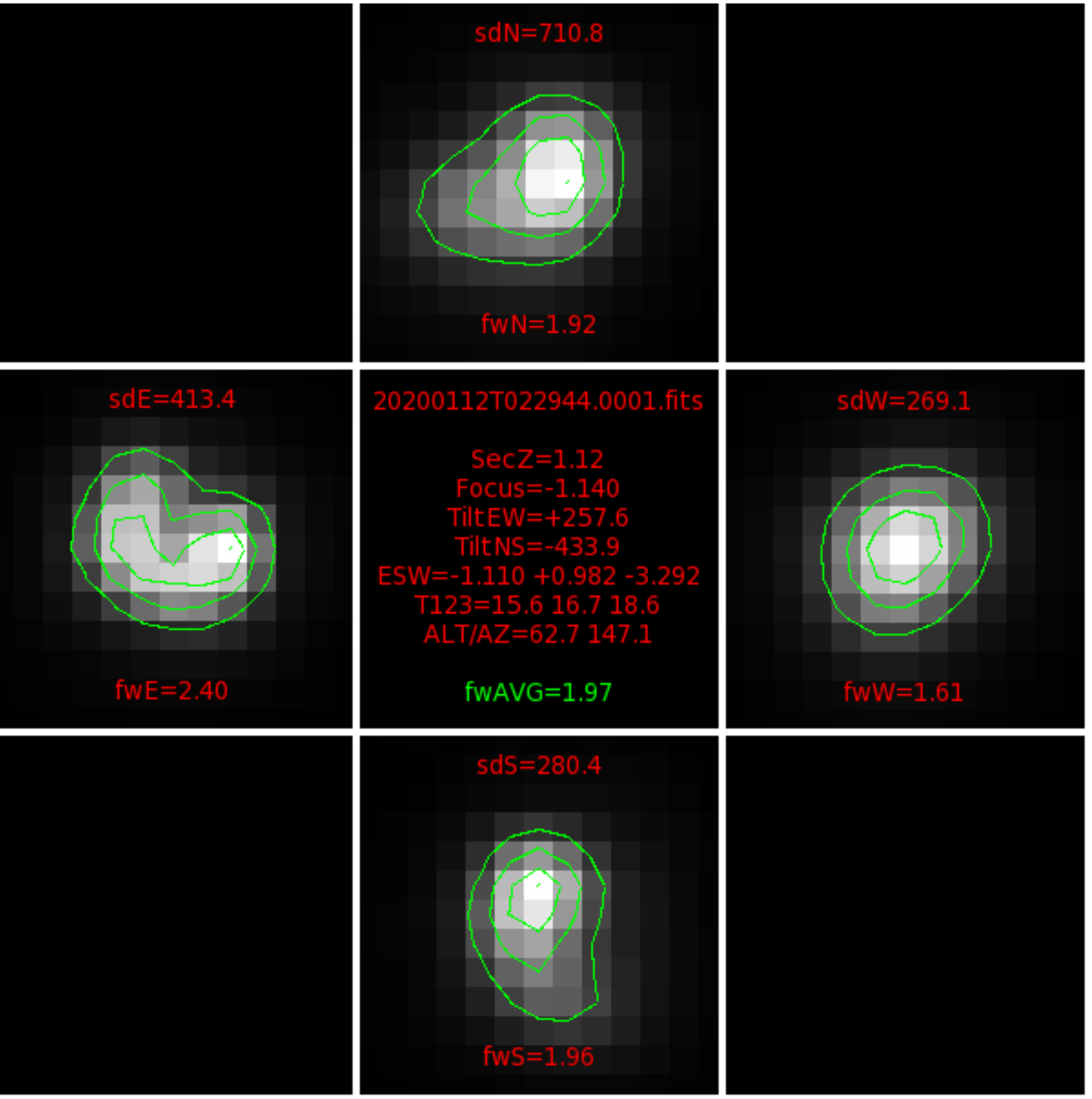

sdN=720.8
fwN=1.83
sdE=441.9
fwE=2.26
20200112T022832.0001.fits
SecZ=1.13
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.6 18.6
ALT/AZ=62.6 146.5
fwAVG=1.86
sdW=298.6
fwW=1.44
sdS=298.0
fwS=1.90
0 0 0 0 0 0 0 0 0


sdN=720.0
fwN=1.95
sdE=440.8
fwE=2.39
20200112T022909.0001.fits
SecZ=1.13
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=62.7 146.8
fwAVG=1.94
sdW=290.8
fwW=1.45
sdS=297.8
fwS=1.98
0 0 0 0 0 0 0 0 0


sdN=710.8
fwN=1.92
sdE=413.4
fwE=2.40
20200112T022944.0001.fits
SecZ=1.12
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=62.7 147.1
fwAVG=1.97
sdW=269.1
fwW=1.61
sdS=280.4
fwS=1.96
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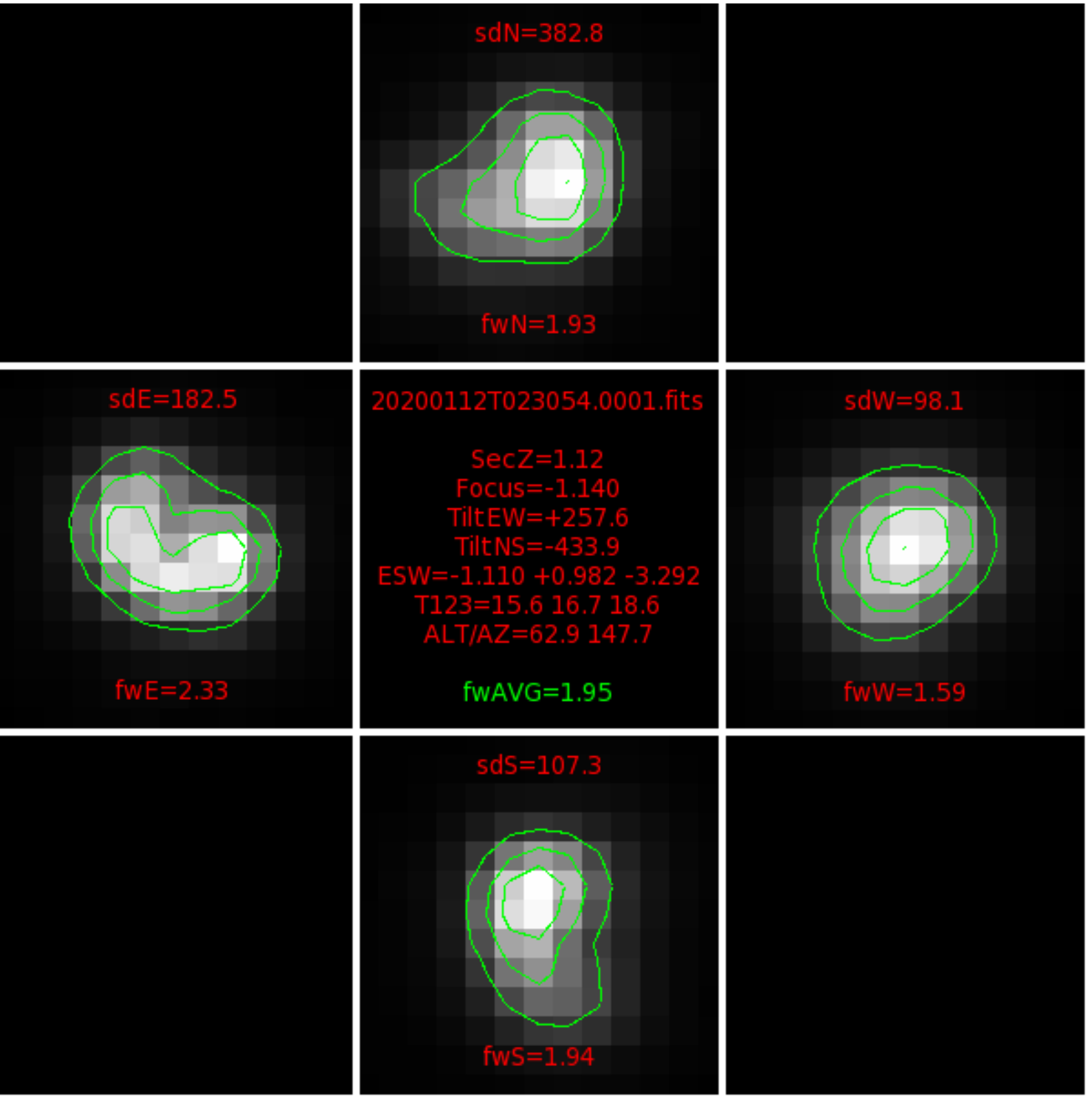
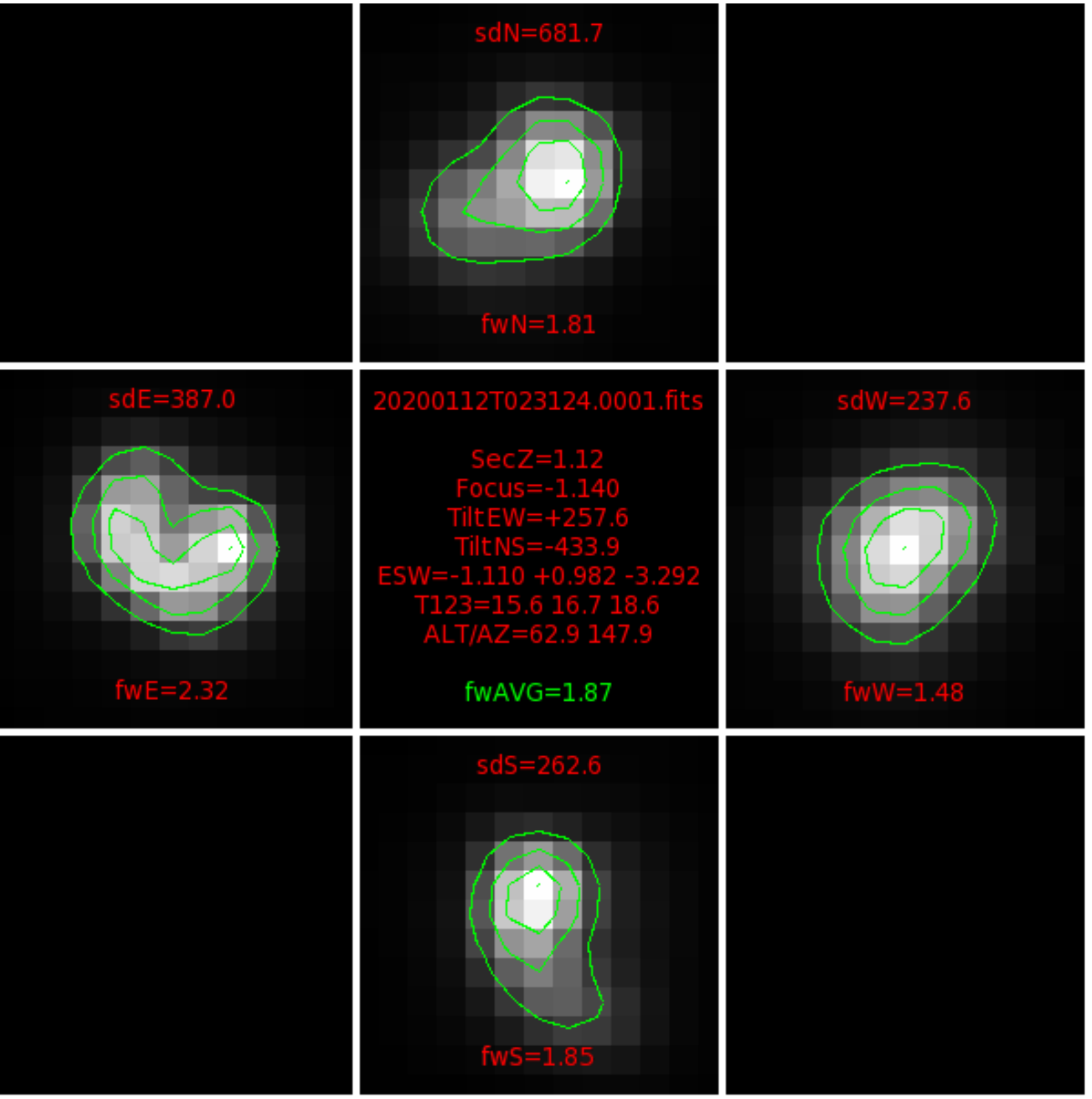

sdN=382.8
fwN=1.93
sdE=182.5
fwE=2.33
20200112T023054.0001.fits
SecZ=1.12
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=62.9 147.7
fwAVG=1.95
sdW=98.1
fwW=1.59
sdS=107.3
fwS=1.94
0 0 0 0 0 0 0 0 0


sdN=681.7
fwN=1.81
sdE=387.0
fwE=2.32
20200112T023124.0001.fits
SecZ=1.12
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=62.9 147.9
fwAVG=1.87
sdW=237.6
fwW=1.48
sdS=262.6
fwS=1.85
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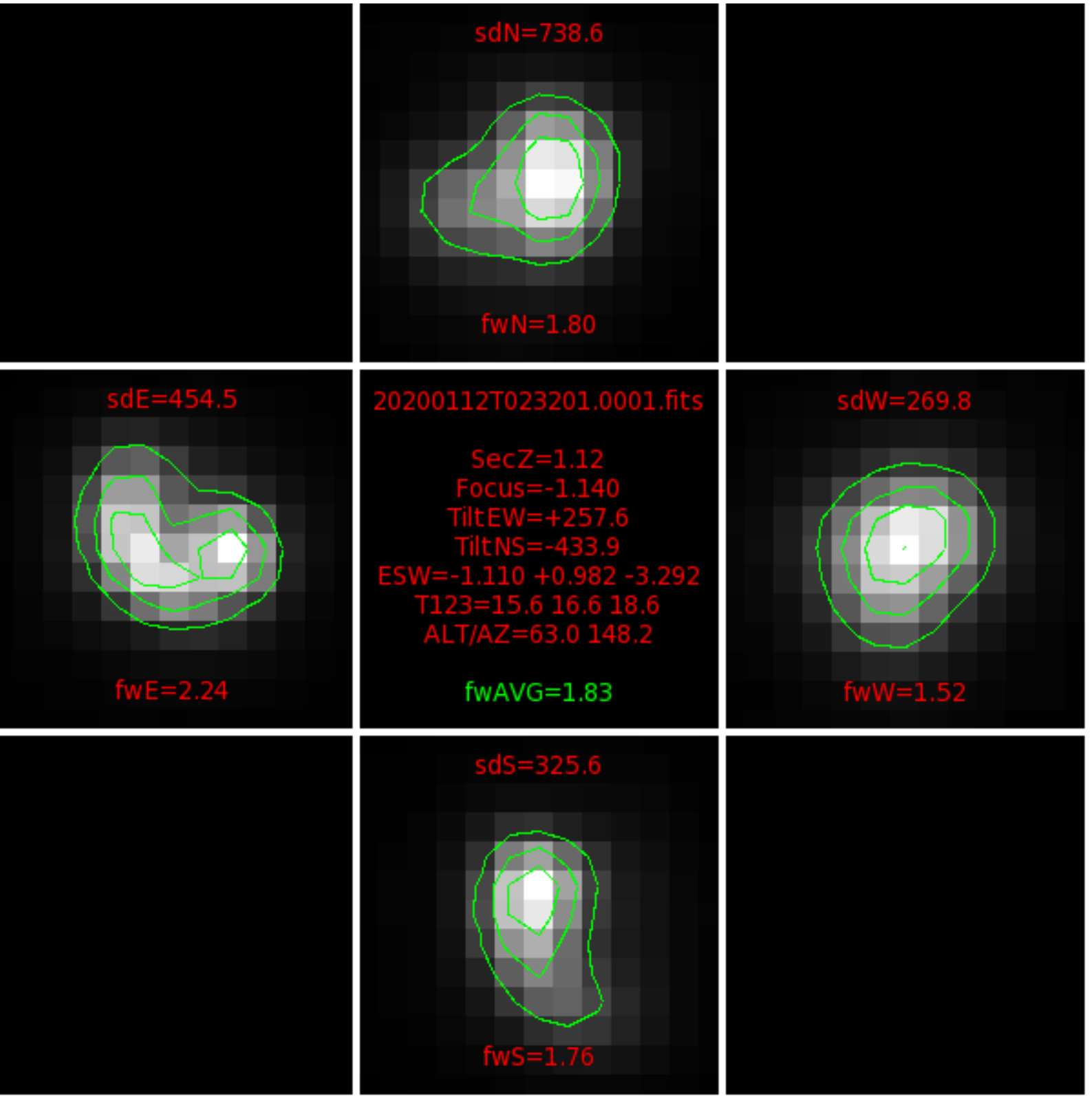
sdN=738.6
fwN=1.80
sdE=454.5
fwE=2.24
20200112T023201.0001.fits
SecZ=1.12
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.6 18.6
ALT/AZ=63.0 148.2
fwAVG=1.83
sdW=269.8
fwW=1.52
sdS=325.6
fwS=1.76
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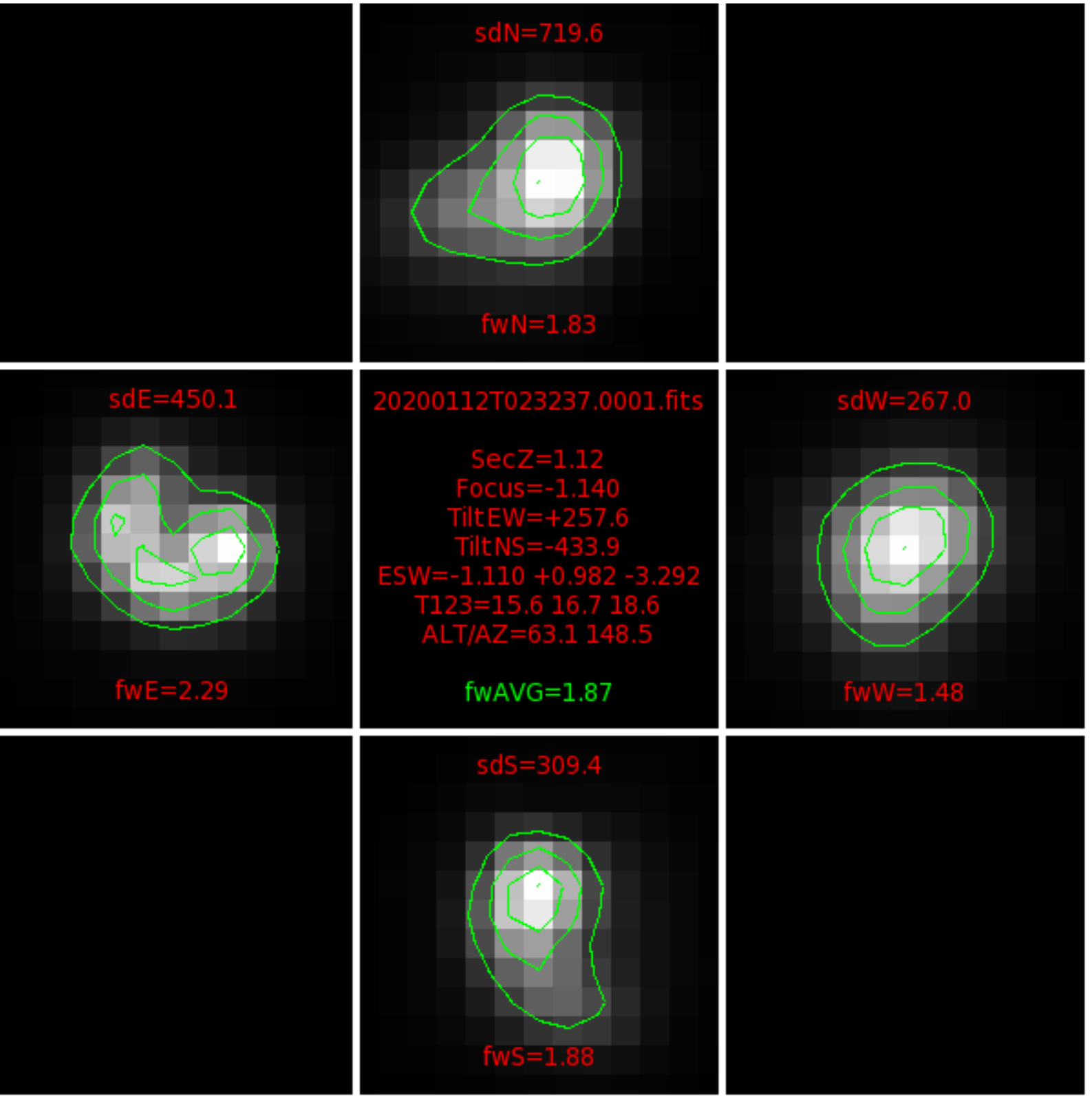
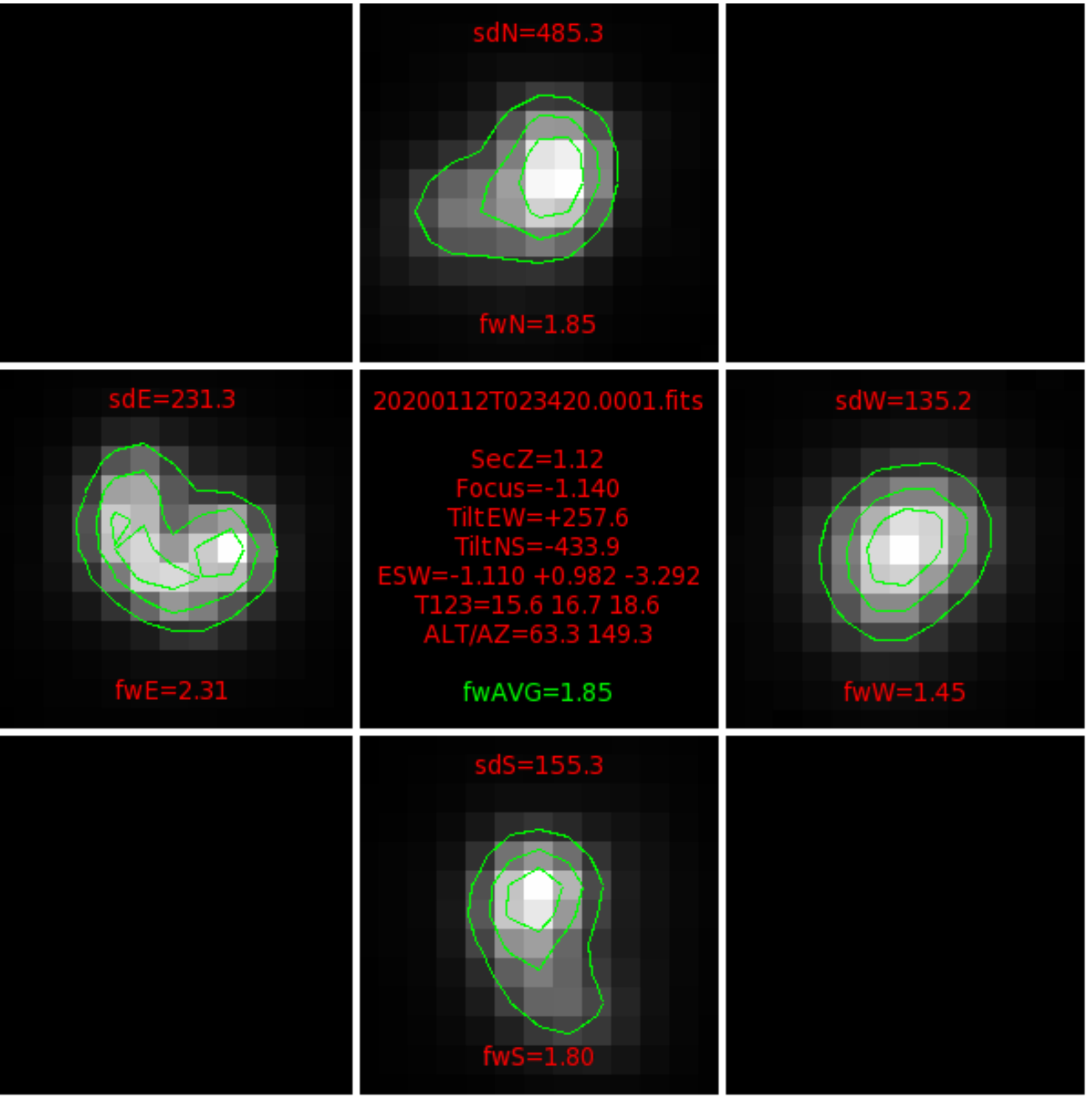
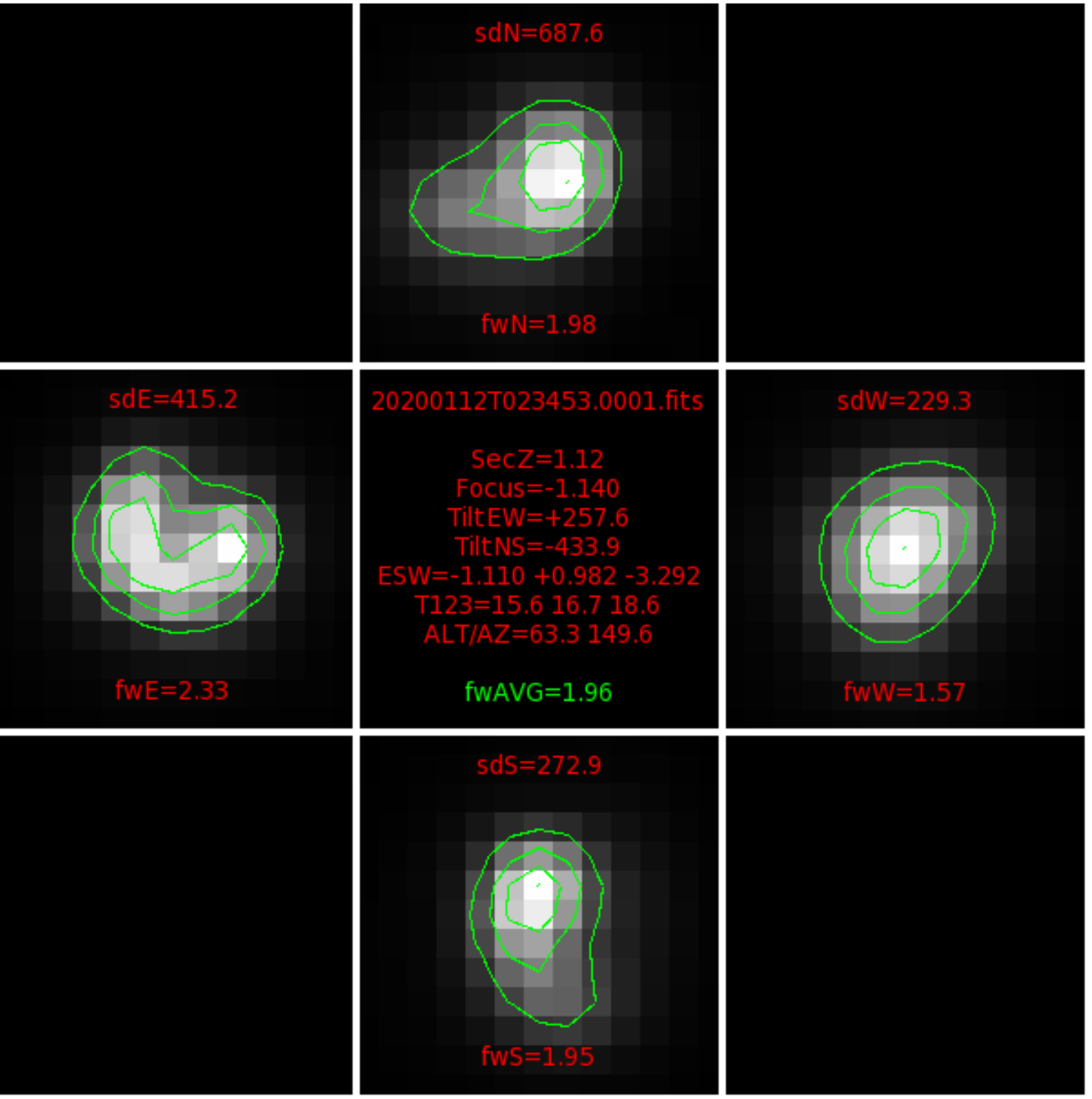

sdN=719.6
fwN=1.83
sdE=450.1
fwE=2.29
20200112T023237.0001.fits
SecZ=1.12
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=63.1 148.5
fwAVG=1.87
sdW=267.0
fwW=1.48
sdS=309.4
fwS=1.88
0 0 0 0 0 0 0 0 0


sdN=485.3
fwN=1.85
sdE=231.3
fwE=2.31
20200112T023420.0001.fits
SecZ=1.12
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=63.3 149.3
fwAVG=1.85
sdW=135.2
fwW=1.45
sdS=155.3
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=687.6
fwN=1.98
sdE=415.2
fwE=2.33
20200112T023453.0001.fits
SecZ=1.12
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=63.3 149.6
fwAVG=1.96
sdW=229.3
fwW=1.57
sdS=272.9
fwS=1.95
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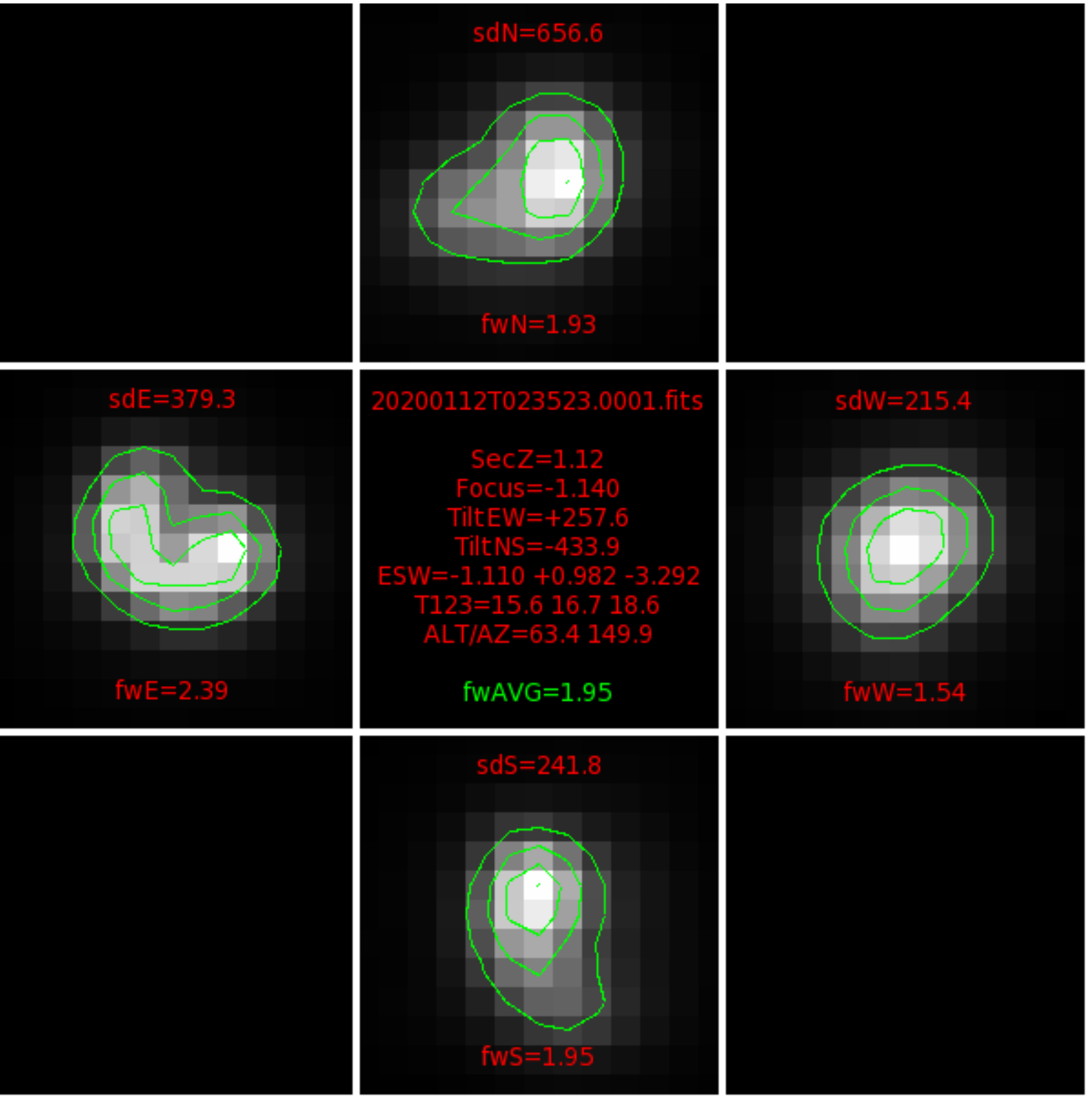
sdN=656.6
fwN=1.93
sdE=379.3
fwE=2.39
20200112T023523.0001.fits
SecZ=1.12
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=63.4 149.9
fwAVG=1.95
sdW=215.4
fwW=1.54
sdS=241.8
fwS=1.95
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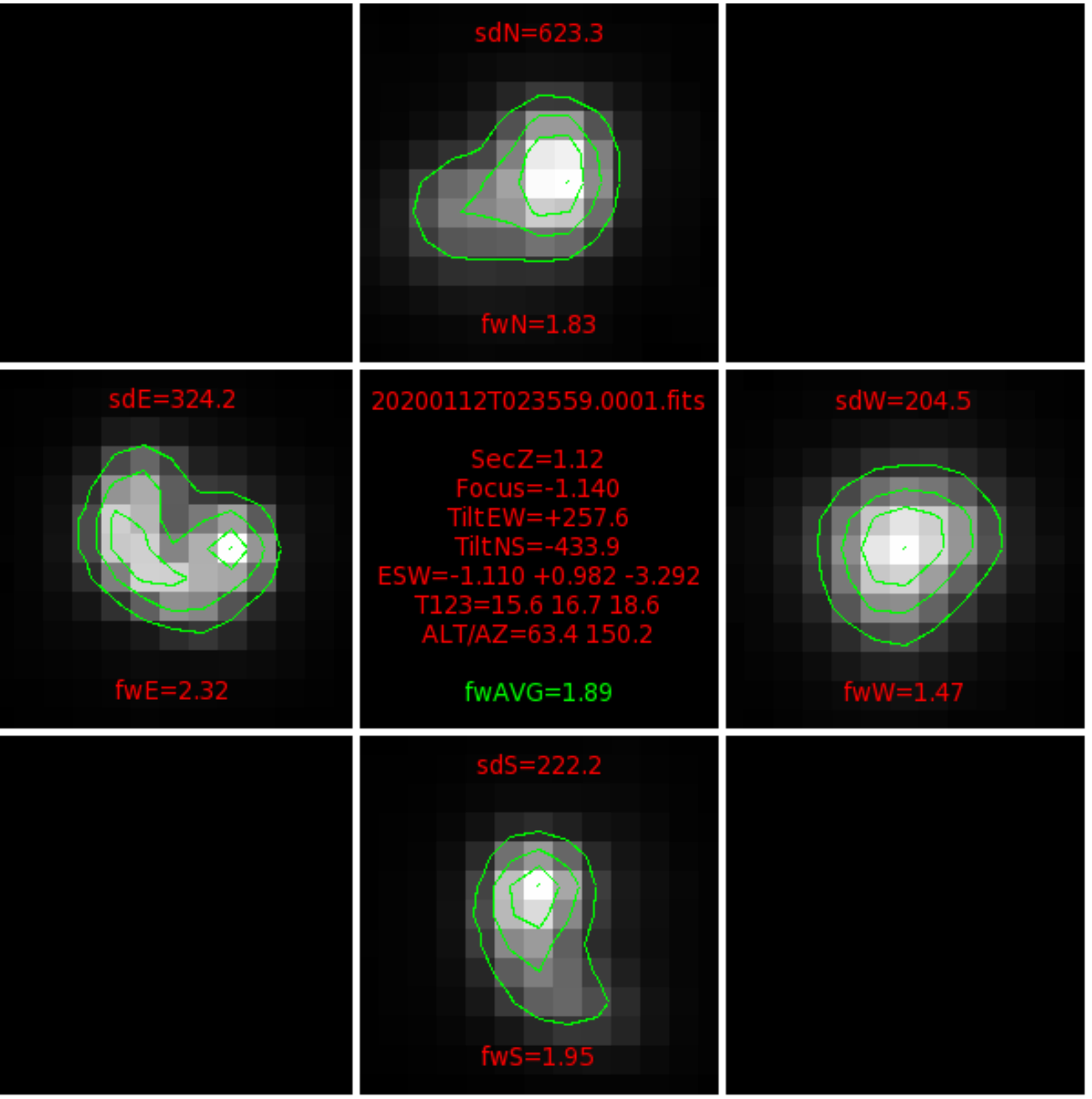
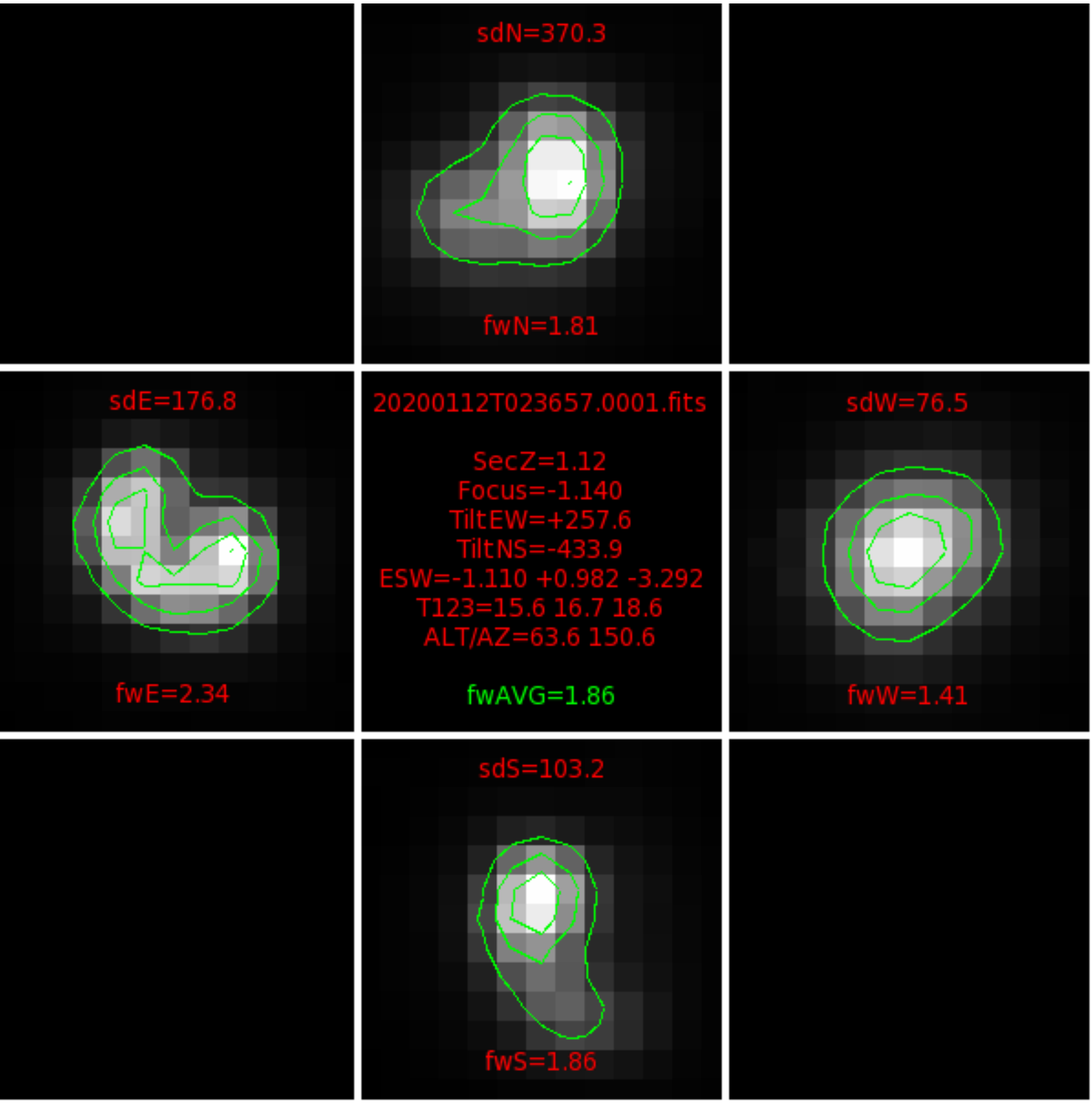

sdN=623.3
fwN=1.83
sdE=324.2
fwE=2.32
20200112T023559.0001.fits
SecZ=1.12
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=63.4 150.2
fwAVG=1.89
sdW=204.5
fwW=1.47
sdS=222.2
fwS=1.95
0 0 0 0 0 0 0 0 0


sdN=370.3
fwN=1.81
sdE=176.8
fwE=2.34
20200112T023657.0001.fits
SecZ=1.12
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=63.6 150.6
fwAVG=1.86
sdW=76.5
fwW=1.41
sdS=103.2
fwS=1.86
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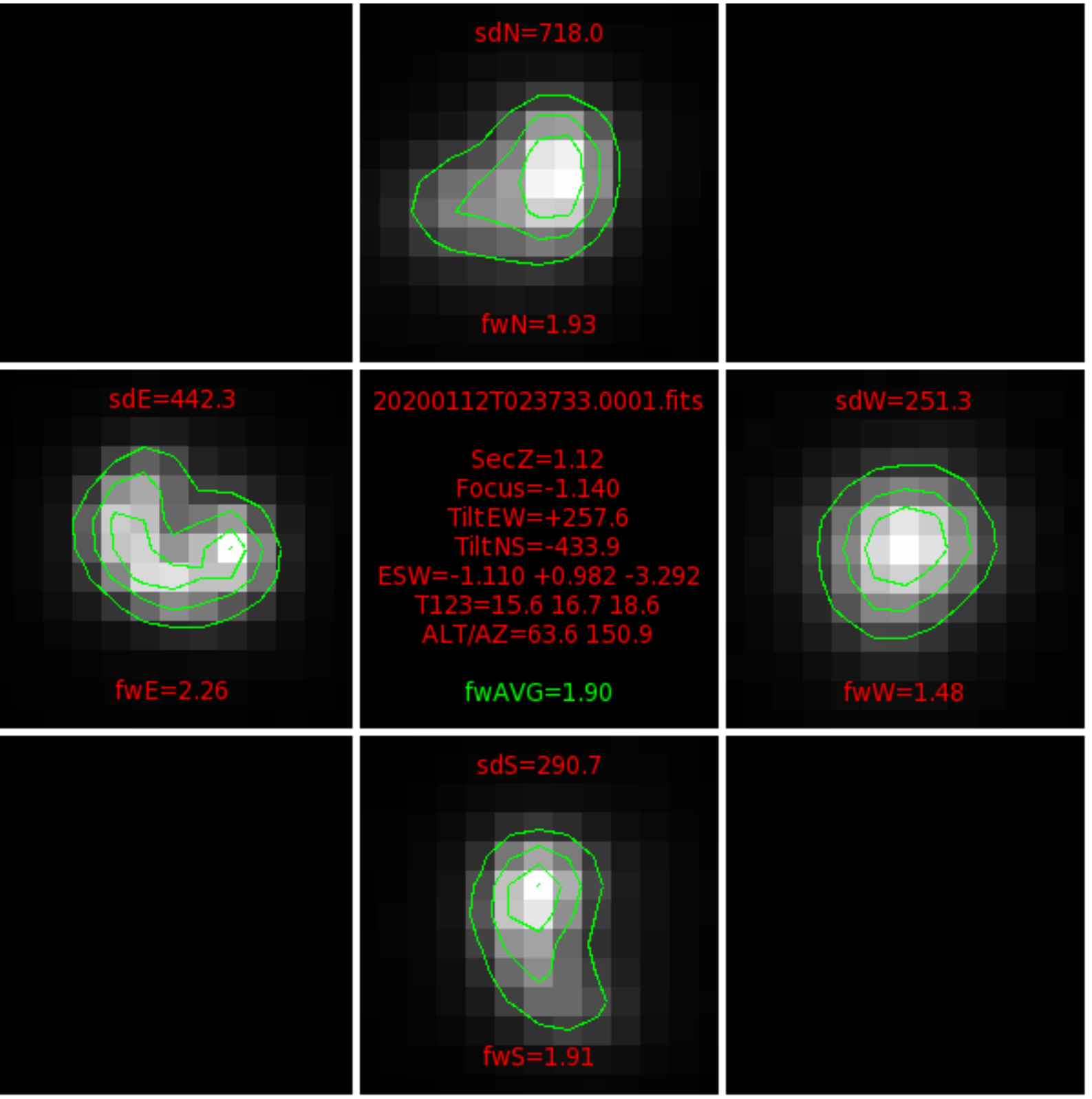
sdN=718.0
fwN=1.93
sdE=442.3
fwE=2.26
20200112T023733.0001.fits
SecZ=1.12
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=63.6 150.9
fwAVG=1.90
sdW=251.3
fwW=1.48
sdS=290.7
fwS=1.91
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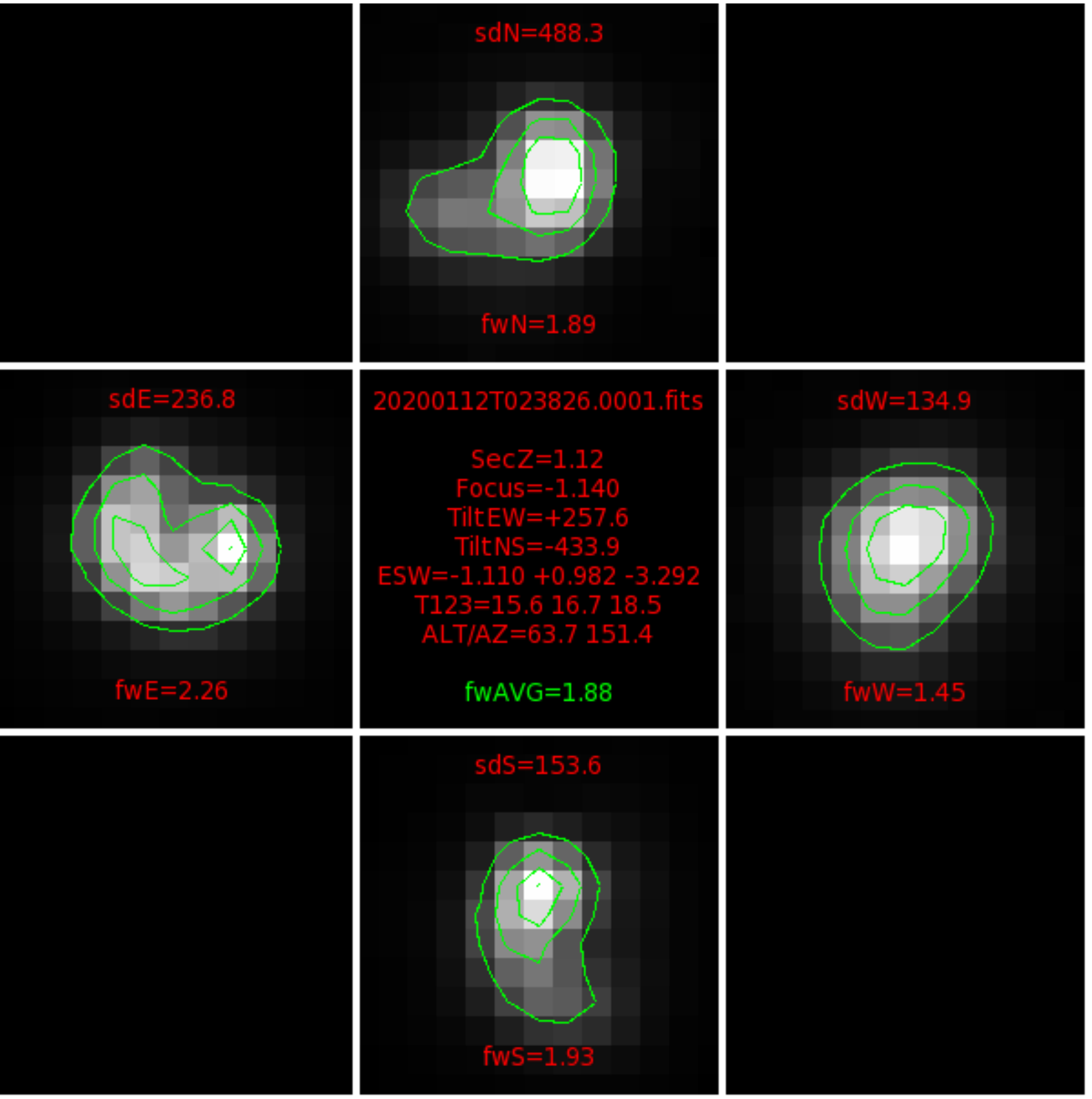
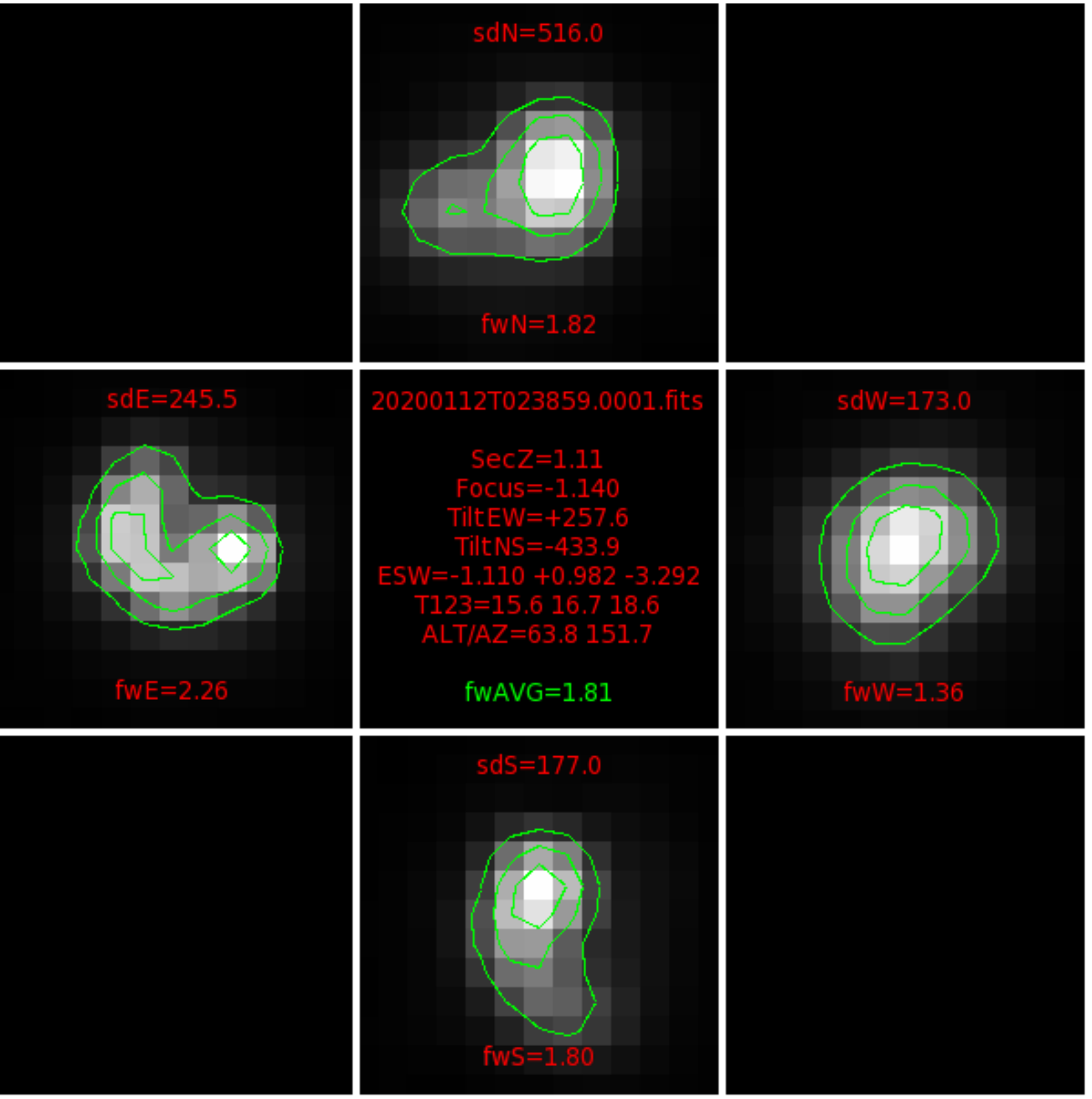

sdN=488.3
fwN=1.89
sdE=236.8
fwE=2.26
20200112T023826.0001.fits
SecZ=1.12
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.5
ALT/AZ=63.7 151.4
fwAVG=1.88
sdW=134.9
fwW=1.45
sdS=153.6
fwS=1.93
0 0 0 0 0 0 0 0 0


sdN=516.0
fwN=1.82
sdE=245.5
fwE=2.26
20200112T023859.0001.fits
SecZ=1.11
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=63.8 151.7
fwAVG=1.81
sdW=173.0
fwW=1.36
sdS=177.0
fwS=1.80
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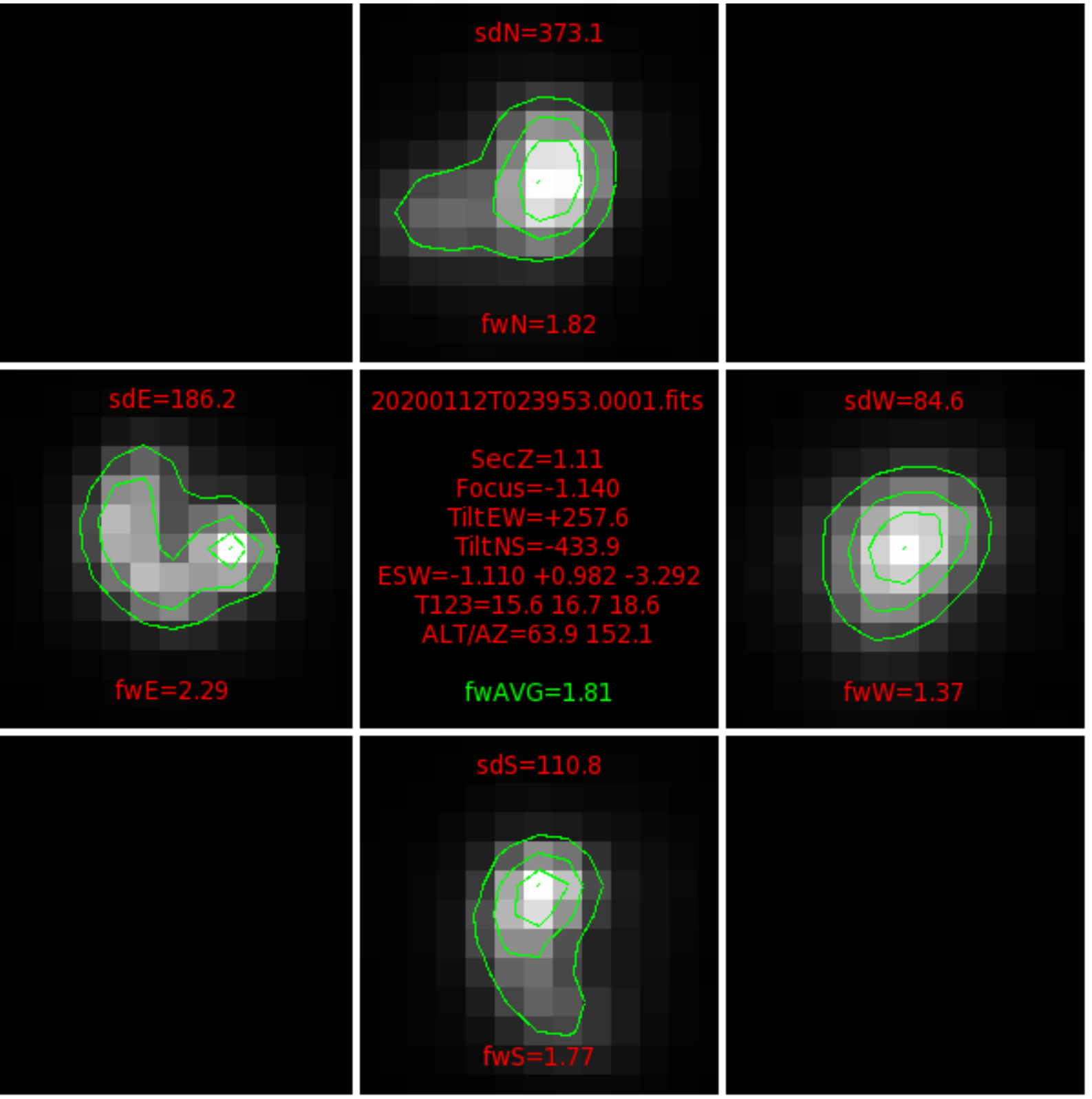
sdN=373.1
fwN=1.82
sdE=186.2
fwE=2.29
20200112T023953.0001.fits
SecZ=1.11
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=63.9 152.1
fwAVG=1.81
sdW=84.6
fwW=1.37
sdS=110.8
fwS=1.77
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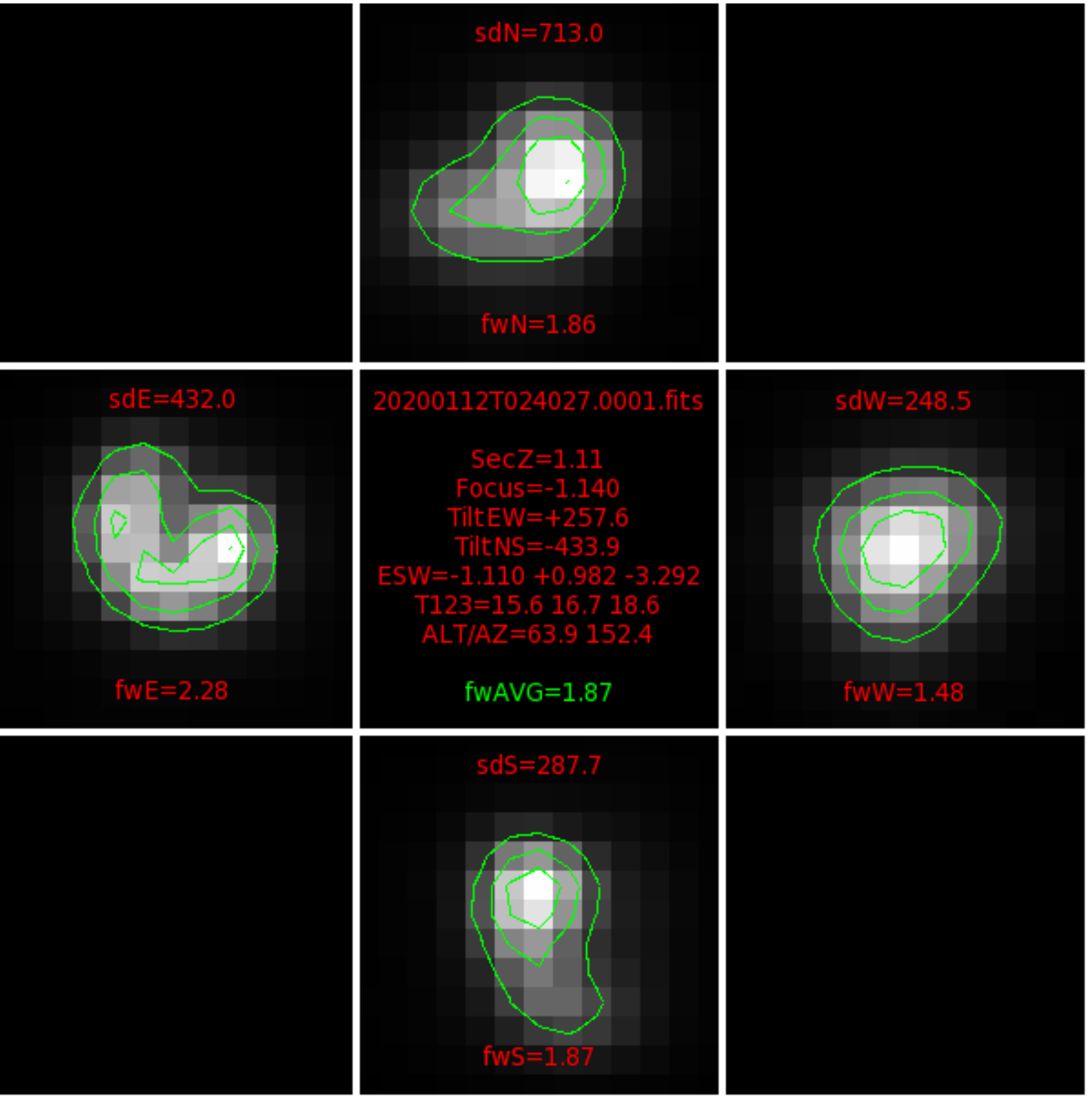
sdN=713.0
fwN=1.86
sdE=432.0
fwE=2.28
20200112T024027.0001.fits
SecZ=1.11
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=63.9 152.4
fwAVG=1.87
sdW=248.5
fwW=1.48
sdS=287.7
fwS=1.87
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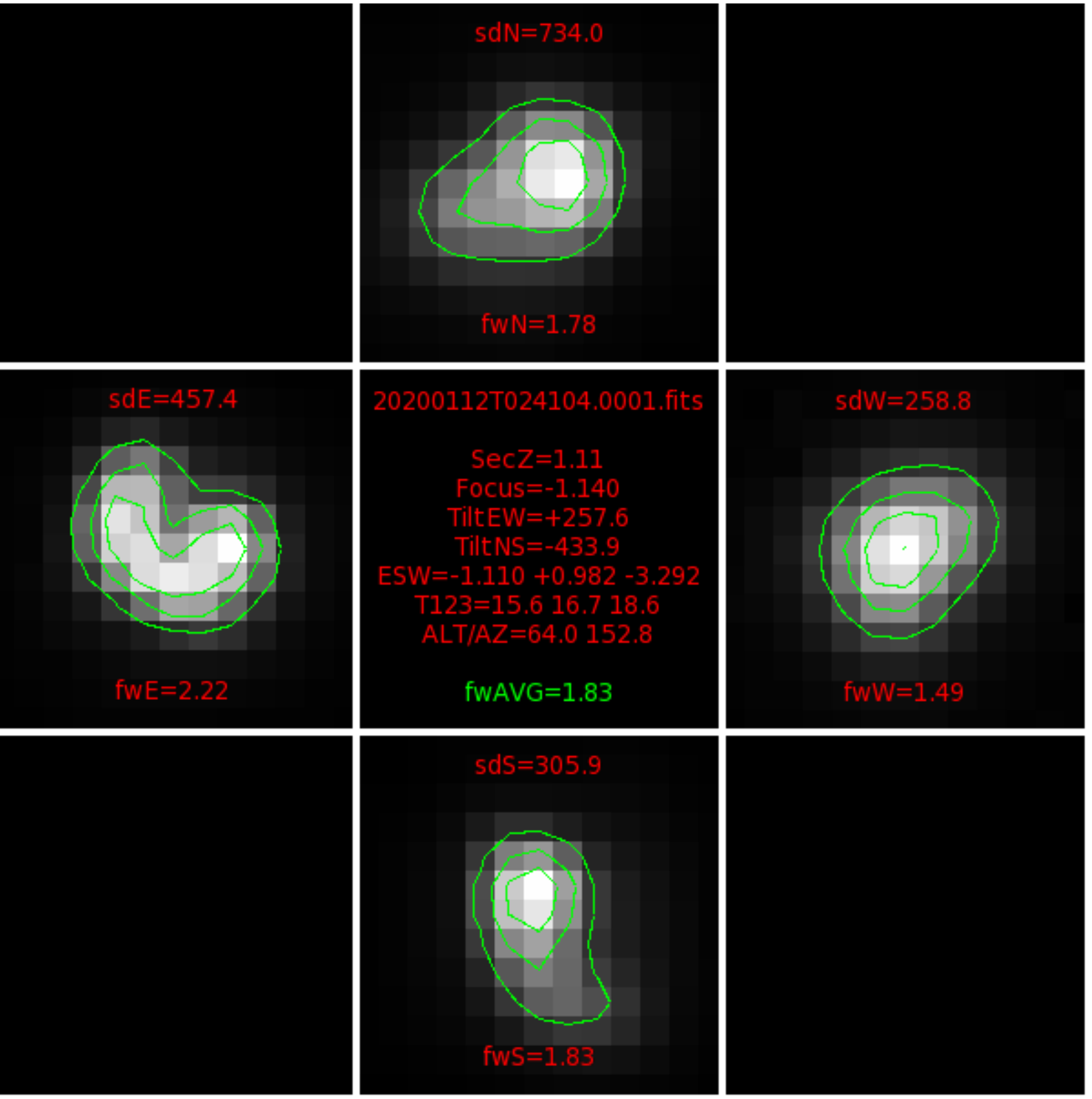
sdN=734.0
fwN=1.78
sdE=457.4
fwE=2.22
20200112T024104.0001.fits
SecZ=1.11
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=64.0 152.8
fwAVG=1.83
sdW=258.8
fwW=1.49
sdS=305.9
fwS=1.83
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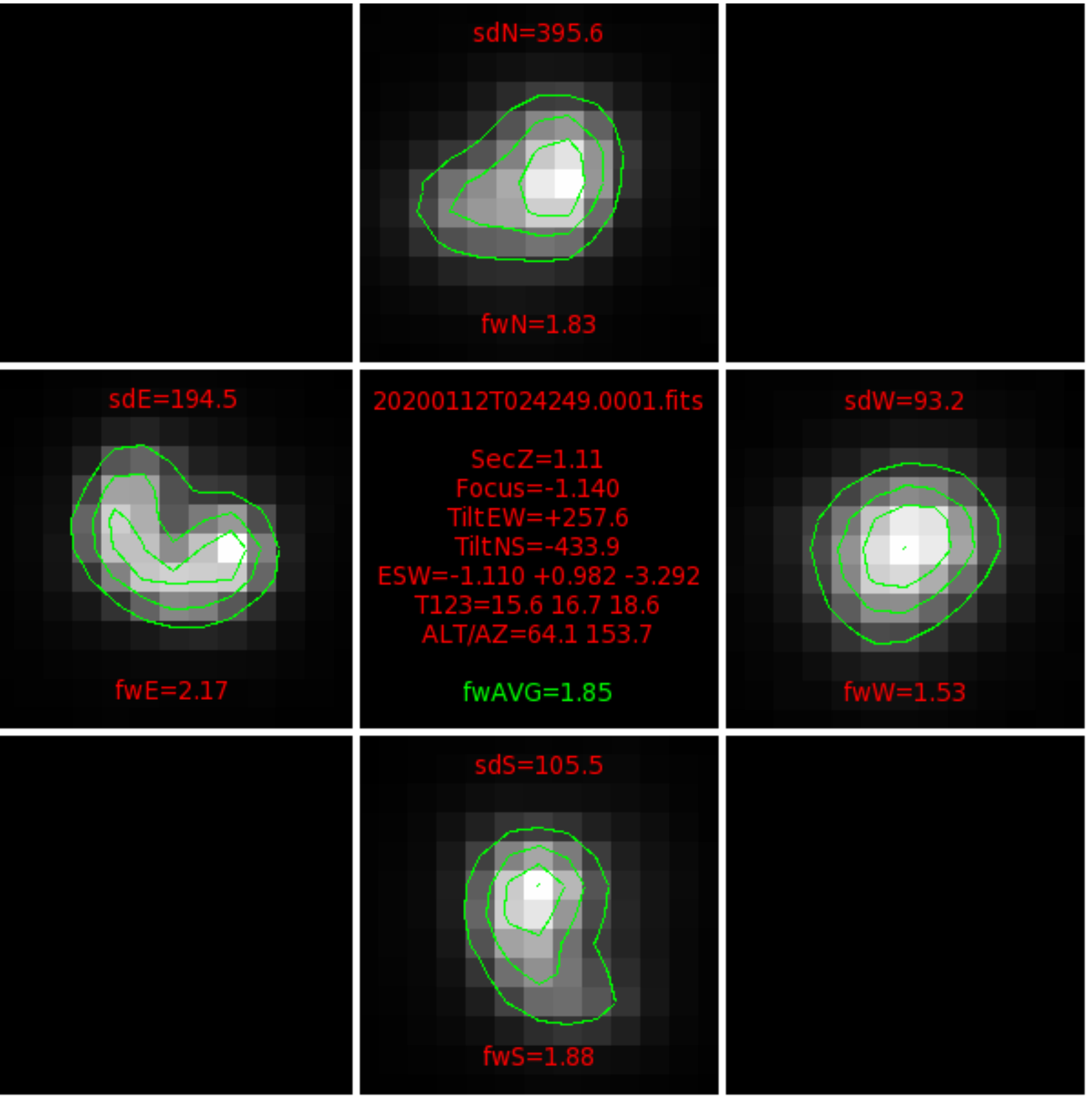
sdN=395.6
fwN=1.83
sdE=194.5
fwE=2.17
20200112T024249.0001.fits
SecZ=1.11
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.6 16.7 18.6
ALT/AZ=64.1 153.7
fwAVG=1.85
sdW=93.2
fwW=1.53
sdS=105.5
fwS=1.88
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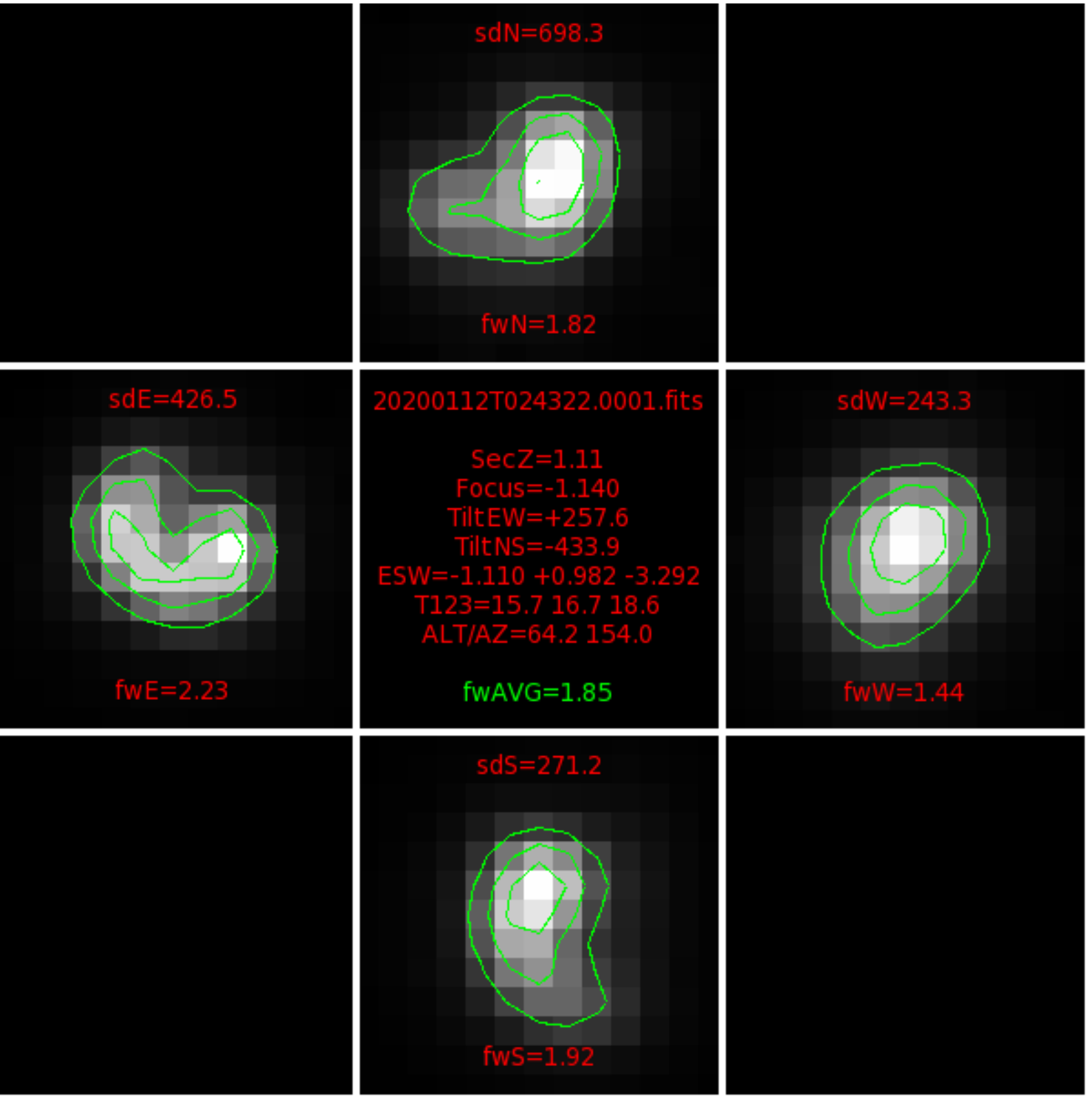
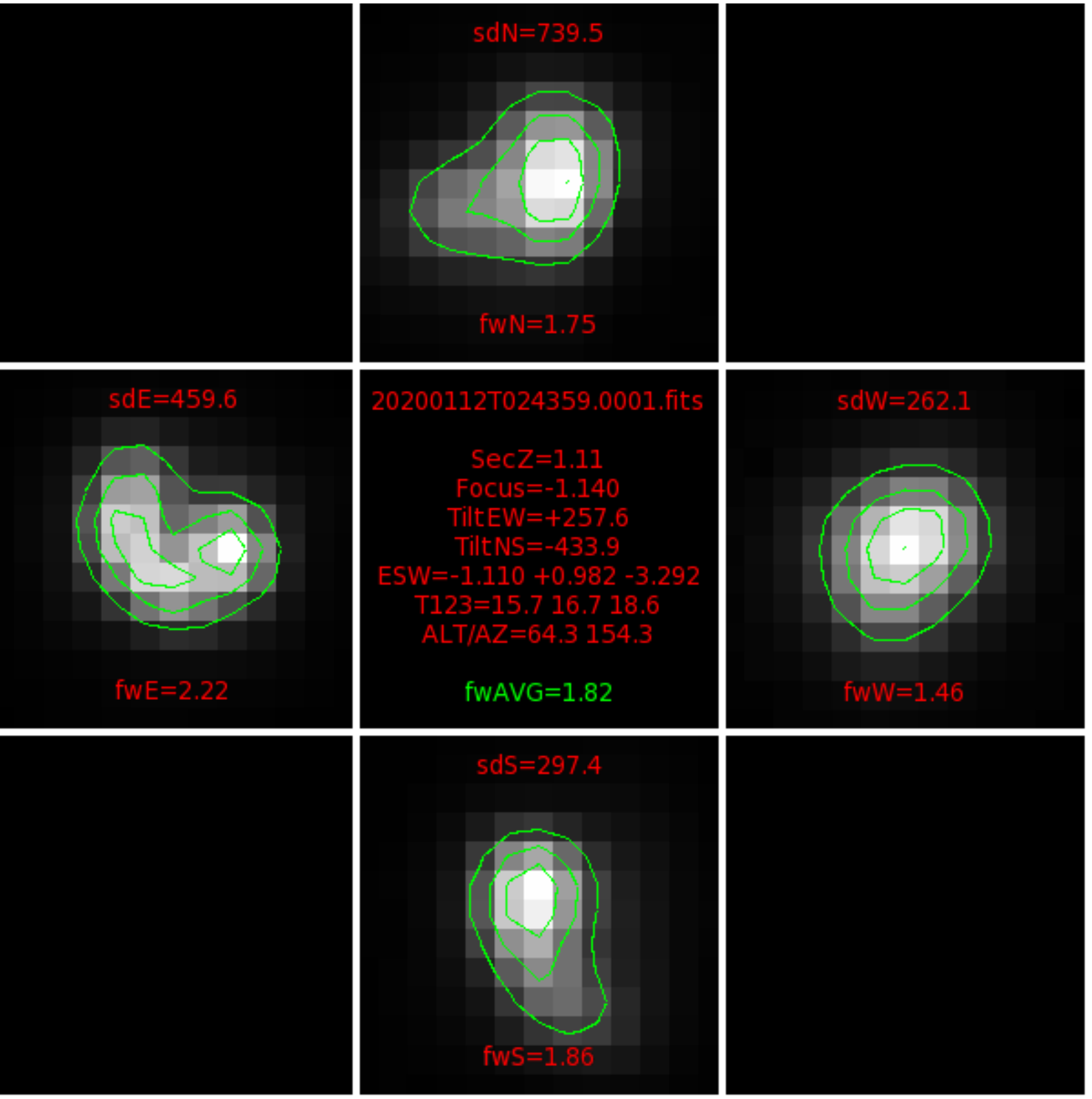

sdN=698.3
fwN=1.82
sdE=426.5
fwE=2.23
20200112T024322.0001.fits
SecZ=1.11
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.7 16.7 18.6
ALT/AZ=64.2 154.0
fwAVG=1.85
sdW=243.3
fwW=1.44
sdS=271.2
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=739.5
fwN=1.75
sdE=459.6
fwE=2.22
20200112T024359.0001.fits
SecZ=1.11
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.7 16.7 18.6
ALT/AZ=64.3 154.3
fwAVG=1.82
sdW=262.1
fwW=1.46
sdS=297.4
fwS=1.86
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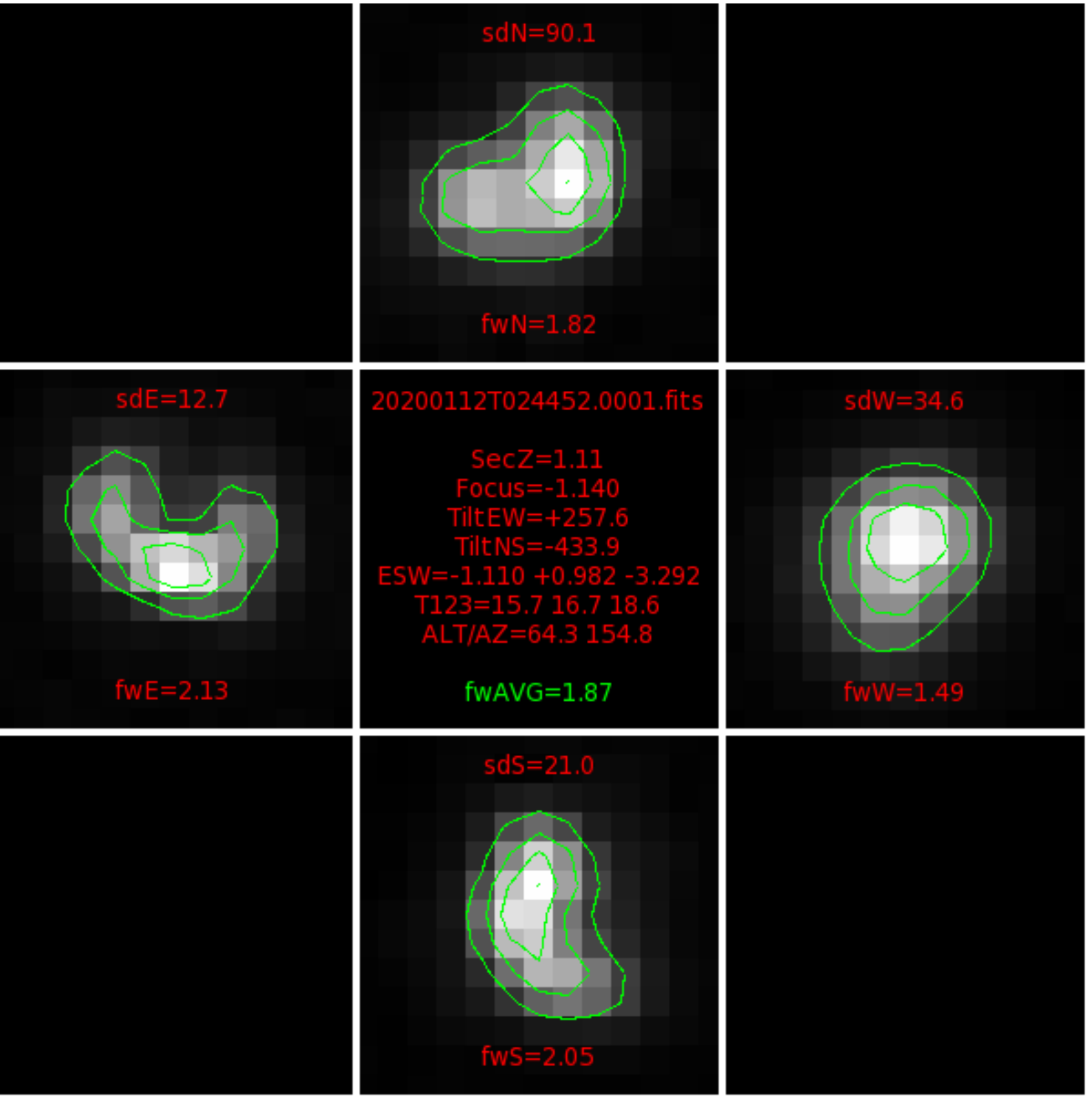
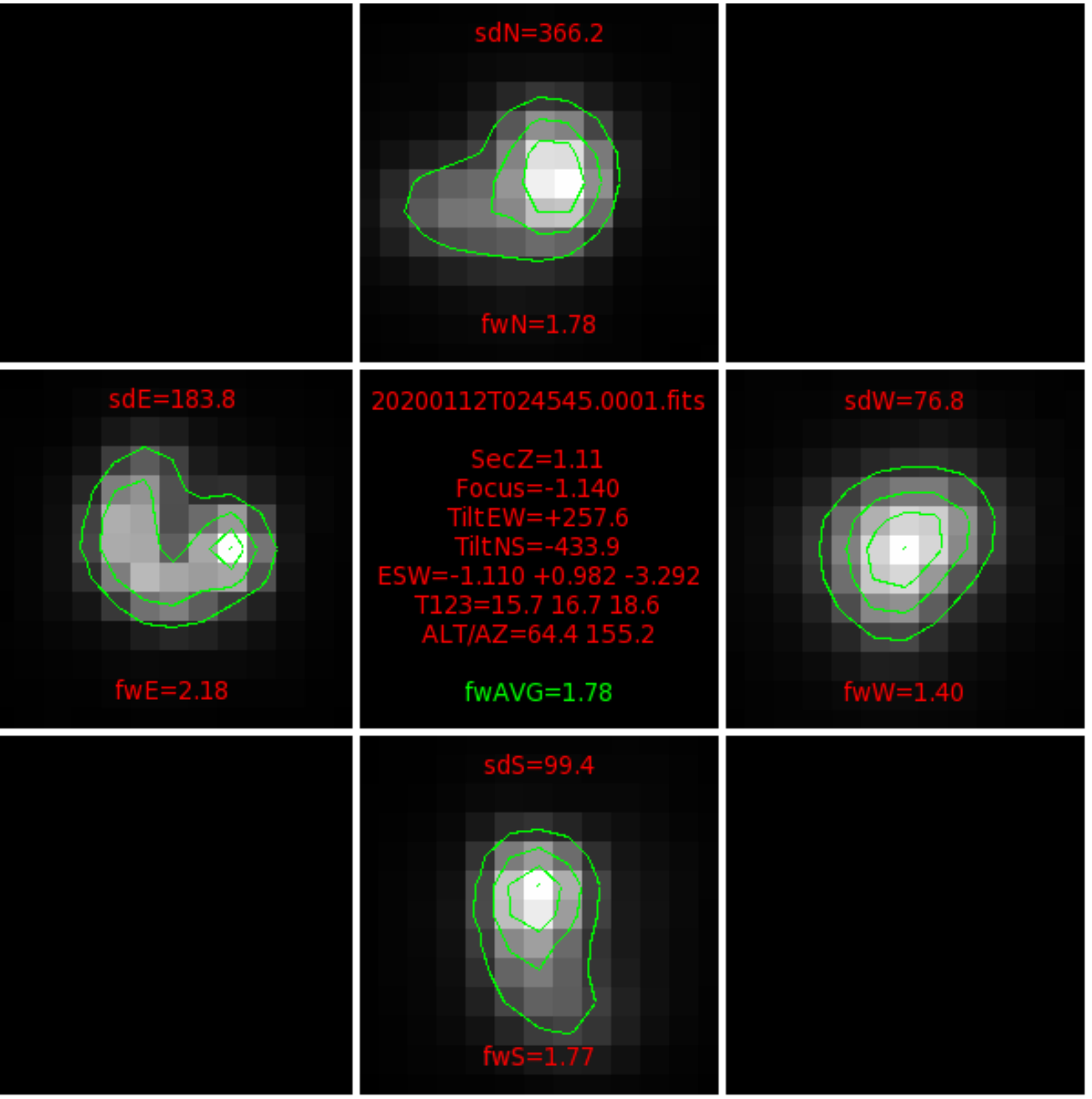

sdN=90.1
fwN=1.82
sdE=12.7
fwE=2.13
20200112T024452.0001.fits
SecZ=1.11
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.7 16.7 18.6
ALT/AZ=64.3 154.8
fwAVG=1.87
sdW=34.6
fwW=1.49
sdS=21.0
fwS=2.05
0 0 0 0 0 0 0 0 0


sdN=366.2
fwN=1.78
sdE=183.8
fwE=2.18
20200112T024545.0001.fits
SecZ=1.11
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.7 16.7 18.6
ALT/AZ=64.4 155.2
fwAVG=1.78
sdW=76.8
fwW=1.40
sdS=99.4
fwS=1.77
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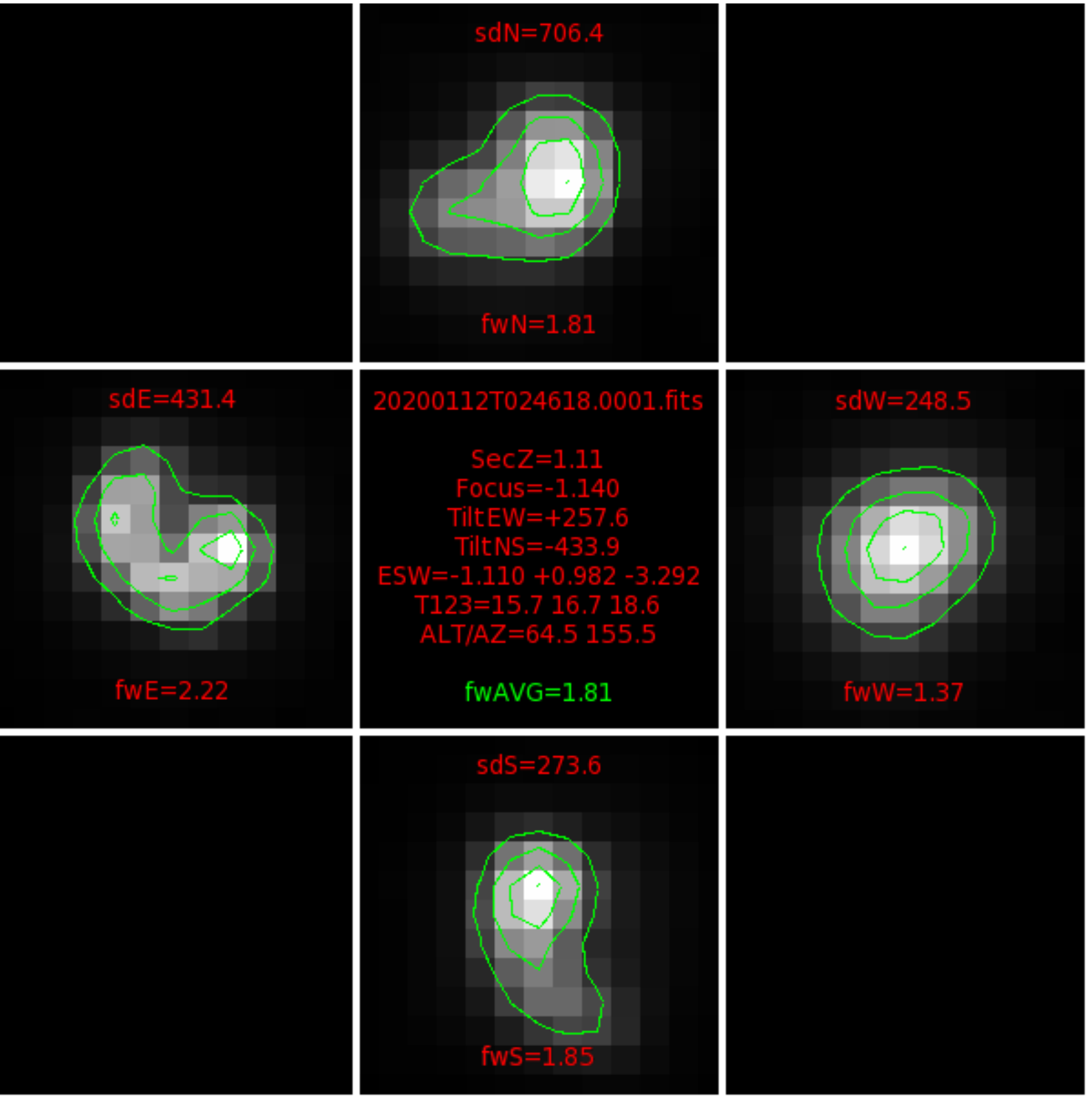
sdN=706.4
fwN=1.81
sdE=431.4
fwE=2.22
20200112T024618.0001.fits
SecZ=1.11
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.7 16.7 18.6
ALT/AZ=64.5 155.5
fwAVG=1.81
sdW=248.5
fwW=1.37
sdS=273.6
fwS=1.85
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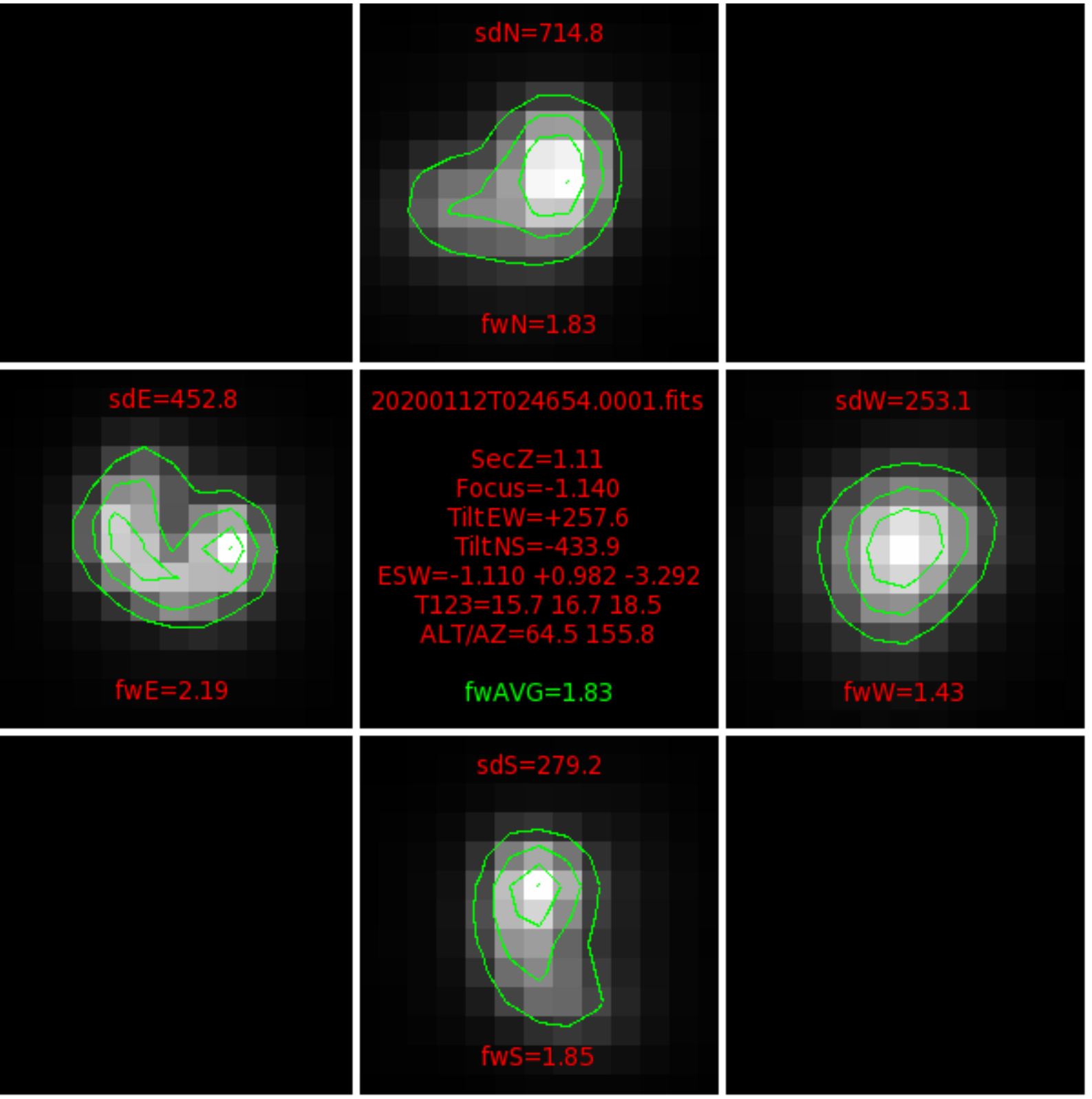
sdN=714.8
fwN=1.83
sdE=452.8
fwE=2.19
20200112T024654.0001.fits
SecZ=1.11
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.7 16.7 18.5
ALT/AZ=64.5 155.8
fwAVG=1.83
sdW=253.1
fwW=1.43
sdS=279.2
fwS=1.85
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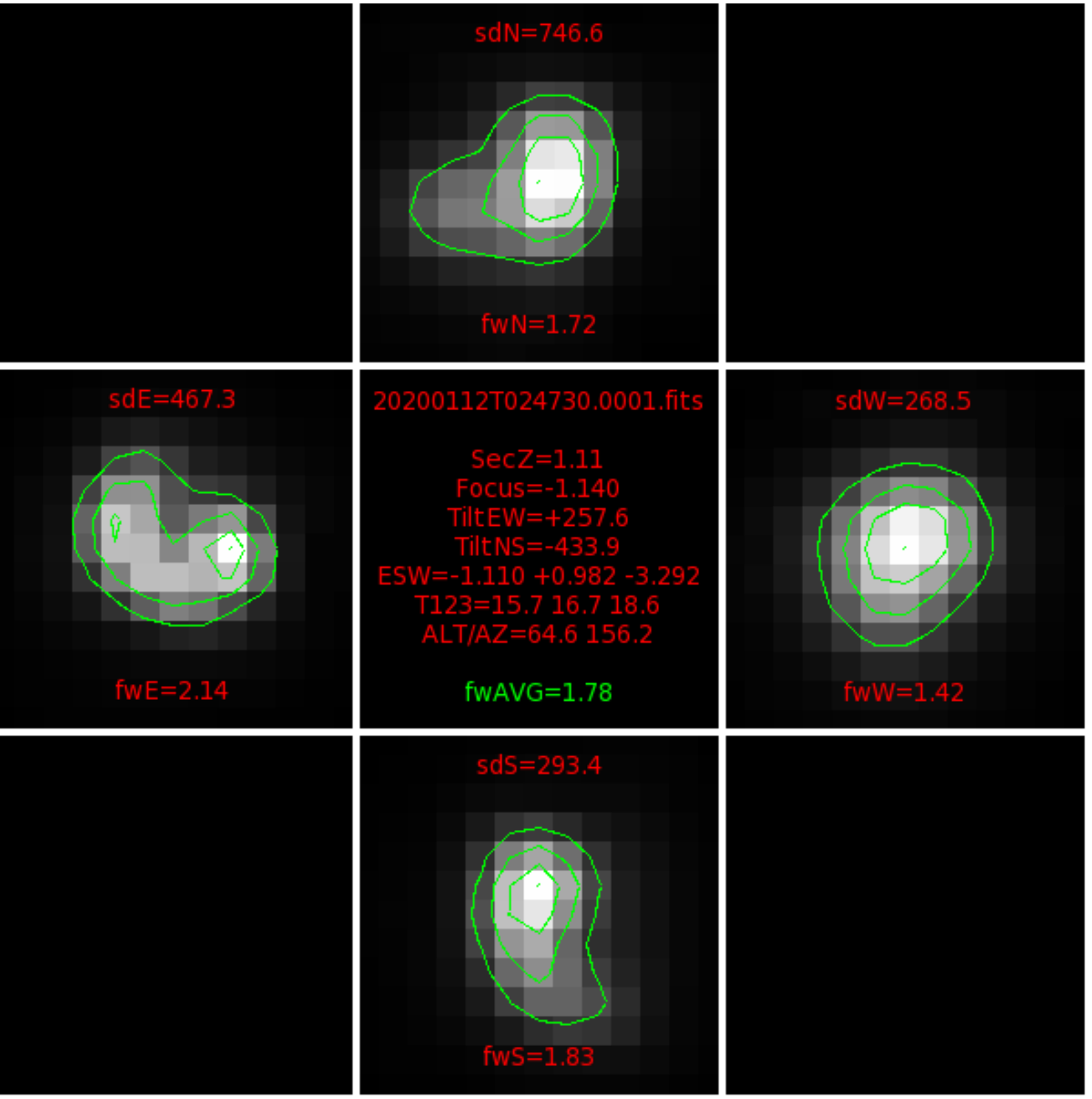
sdN=746.6
fwN=1.72
sdE=467.3
fwE=2.14
20200112T024730.0001.fits
SecZ=1.11
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.7 16.7 18.6
ALT/AZ=64.6 156.2
fwAVG=1.78
sdW=268.5
fwW=1.42
sdS=293.4
fwS=1.83
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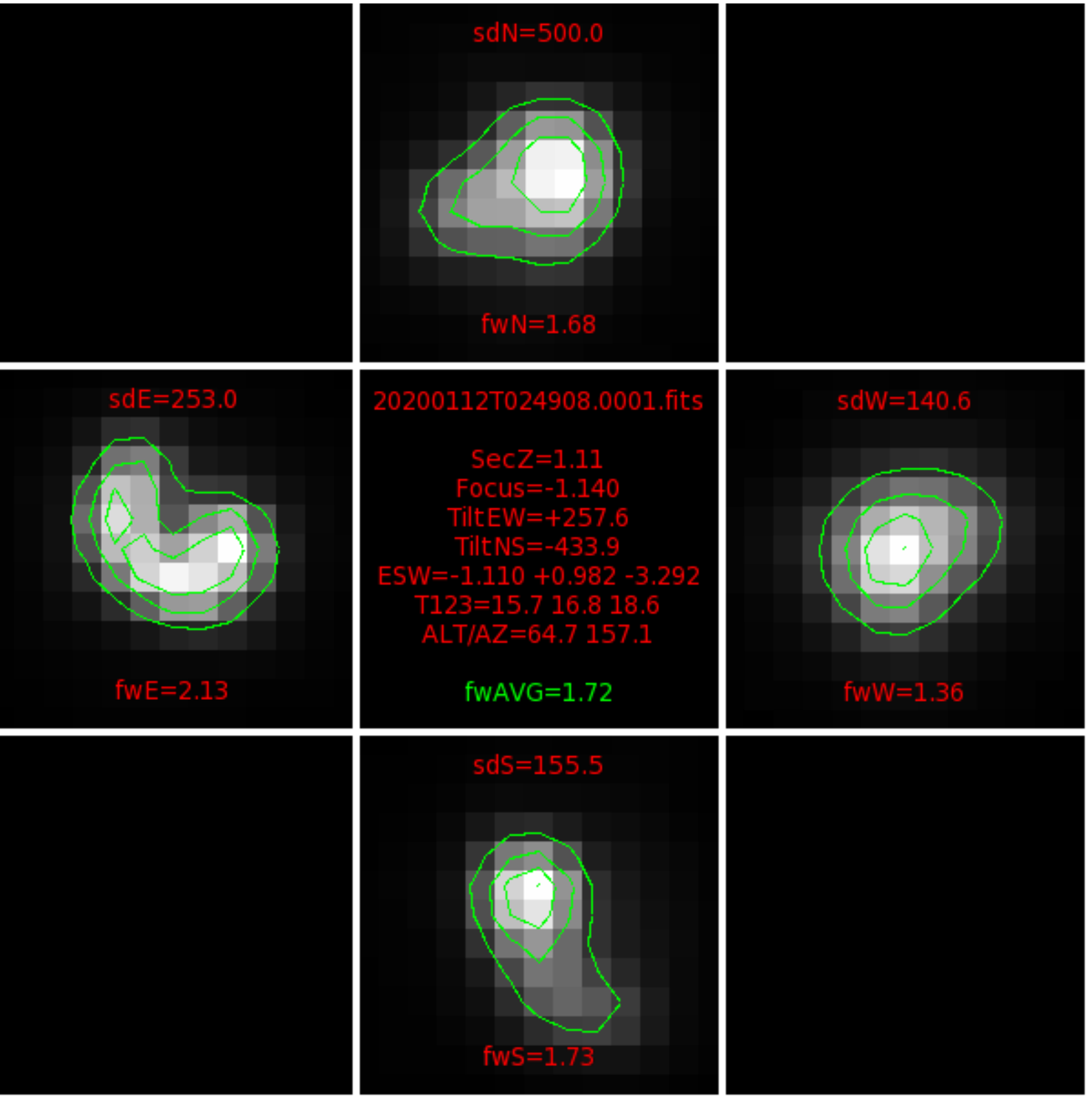
sdN=500.0
fwN=1.68
sdE=253.0
fwE=2.13
20200112T024908.0001.fits
SecZ=1.11
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.7 16.8 18.6
ALT/AZ=64.7 157.1
fwAVG=1.72
sdW=140.6
fwW=1.36
sdS=155.5
fwS=1.73
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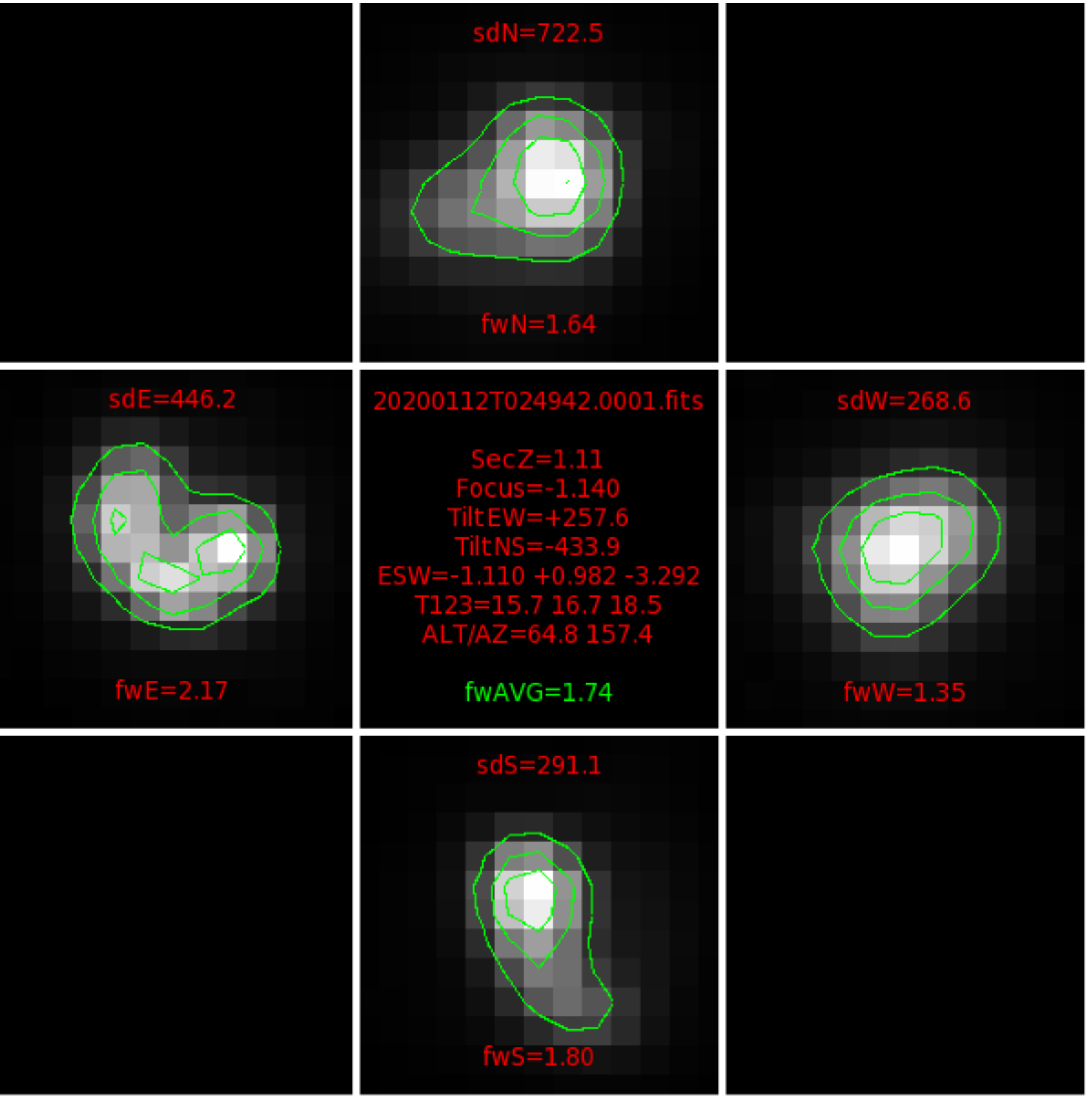
sdN=722.5
fwN=1.64
sdE=446.2
fwE=2.17
20200112T024942.0001.fits
SecZ=1.11
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.7 16.7 18.5
ALT/AZ=64.8 157.4
fwAVG=1.74
sdW=268.6
fwW=1.35
sdS=291.1
fwS=1.80
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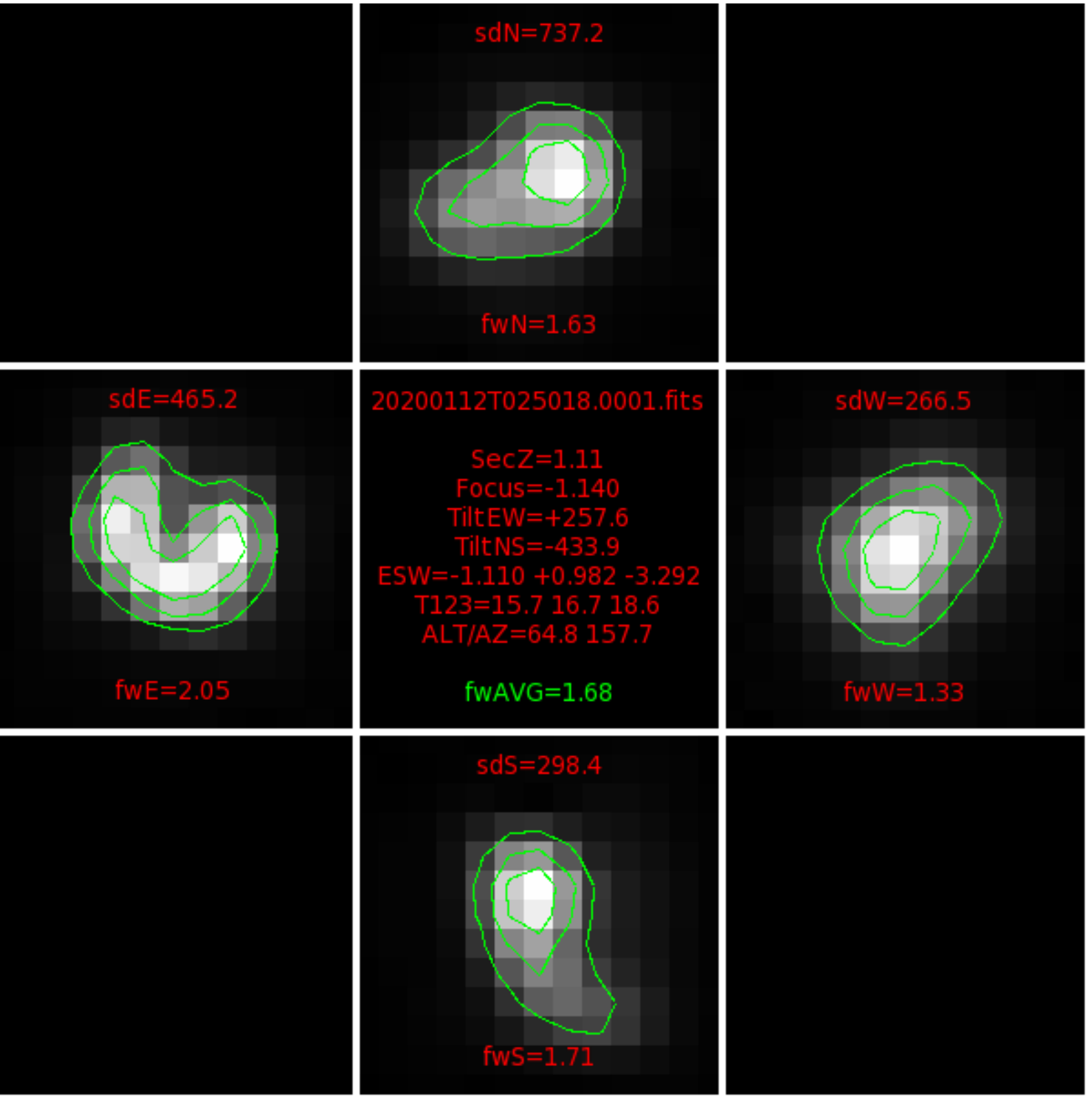
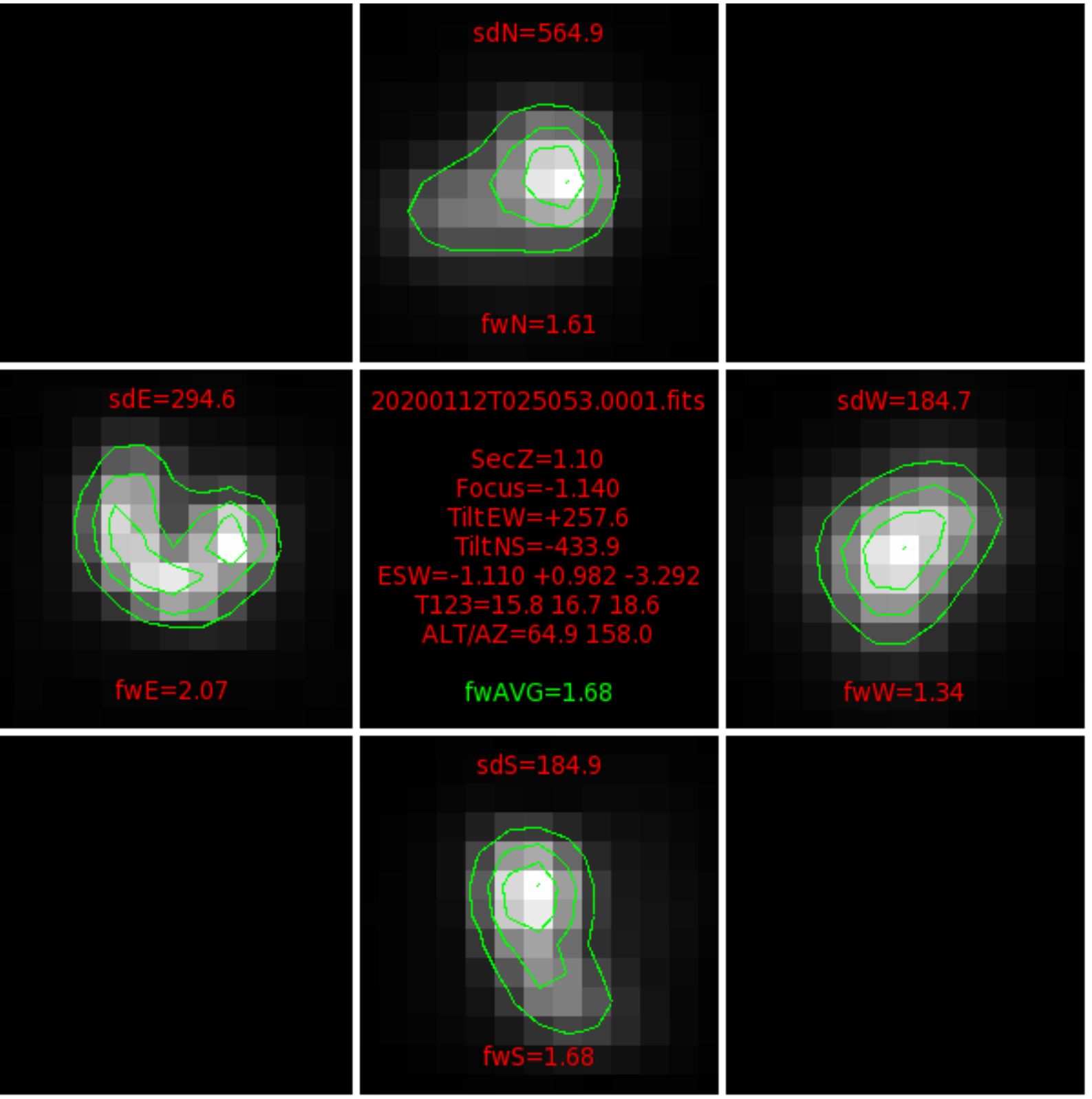
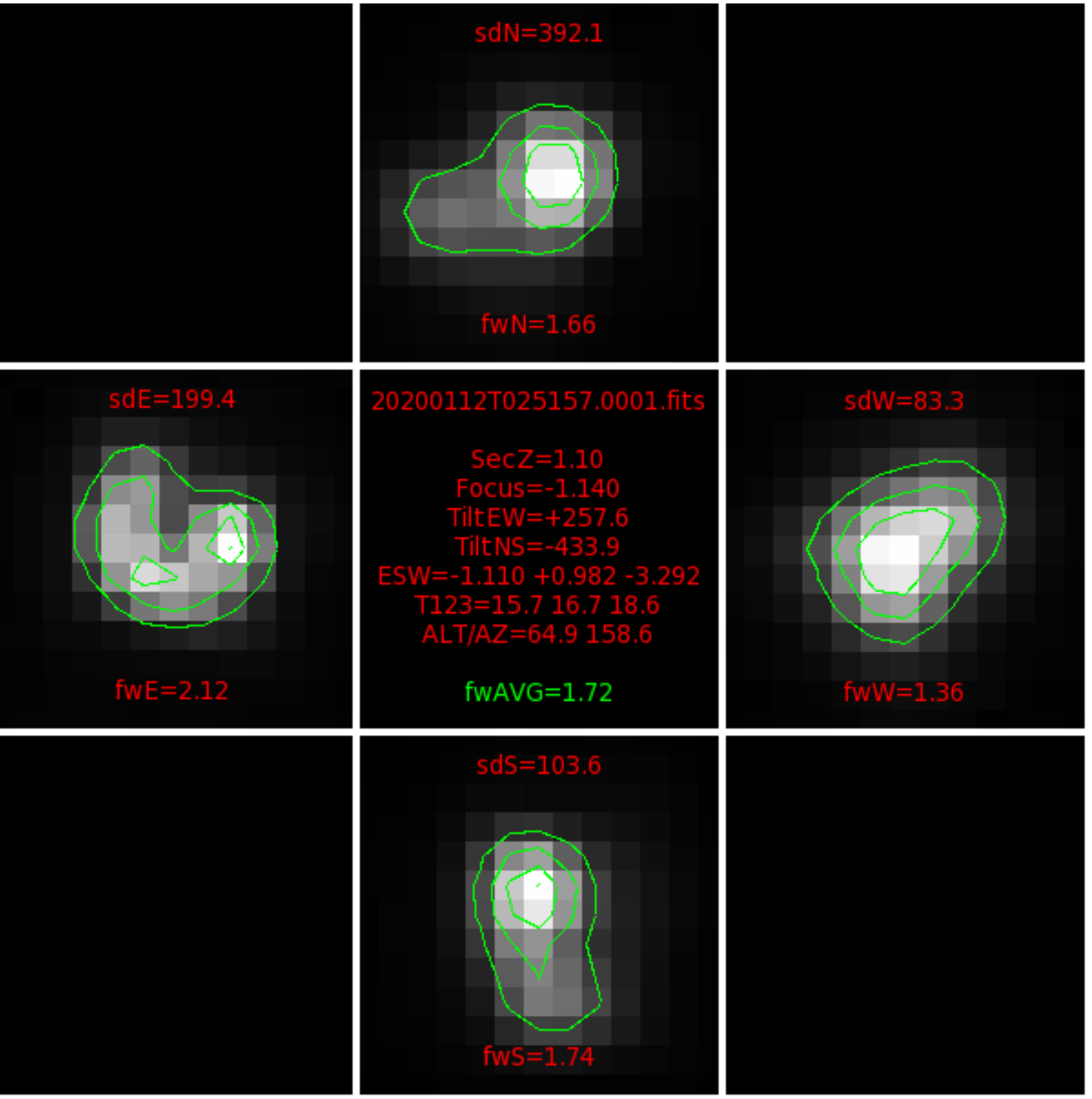

sdN=737.2
fwN=1.63
sdE=465.2
fwE=2.05
20200112T025018.0001.fits
SecZ=1.11
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.7 16.7 18.6
ALT/AZ=64.8 157.7
fwAVG=1.68
sdW=266.5
fwW=1.33
sdS=298.4
fwS=1.71
0 0 0 0 0 0 0 0 0


sdN=564.9
fwN=1.61
sdE=294.6
fwE=2.07
20200112T025053.0001.fits
SecZ=1.10
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.8 16.7 18.6
ALT/AZ=64.9 158.0
fwAVG=1.68
sdW=184.7
fwW=1.34
sdS=184.9
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=392.1
fwN=1.66
sdE=199.4
fwE=2.12
20200112T025157.0001.fits
SecZ=1.10
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.7 16.7 18.6
ALT/AZ=64.9 158.6
fwAVG=1.72
sdW=83.3
fwW=1.36
sdS=103.6
fwS=1.74
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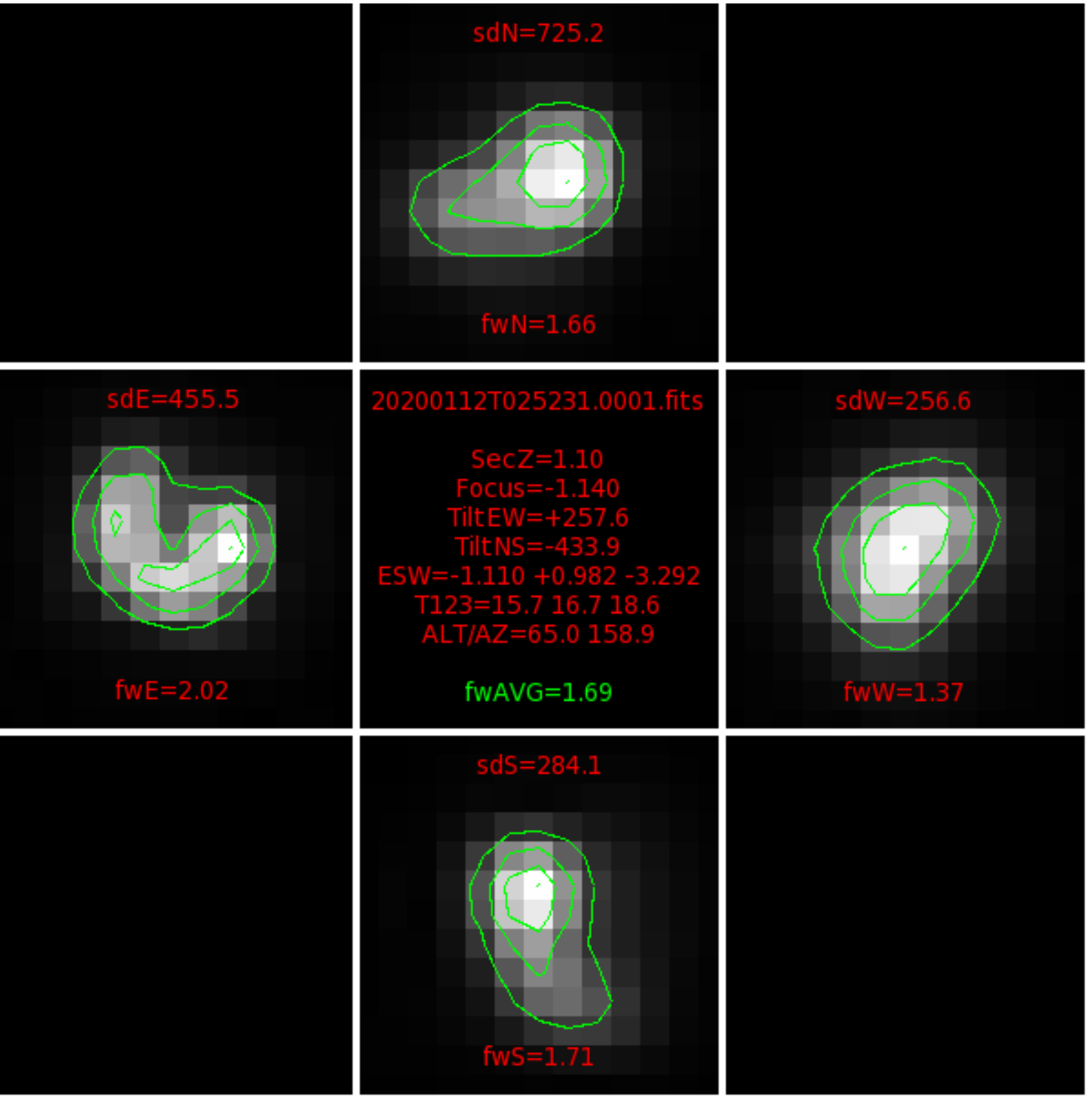
sdN=725.2
fwN=1.66
sdE=455.5
fwE=2.02
20200112T025231.0001.fits
SecZ=1.10
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.7 16.7 18.6
ALT/AZ=65.0 158.9
fwAVG=1.69
sdW=256.6
fwW=1.37
sdS=284.1
fwS=1.71
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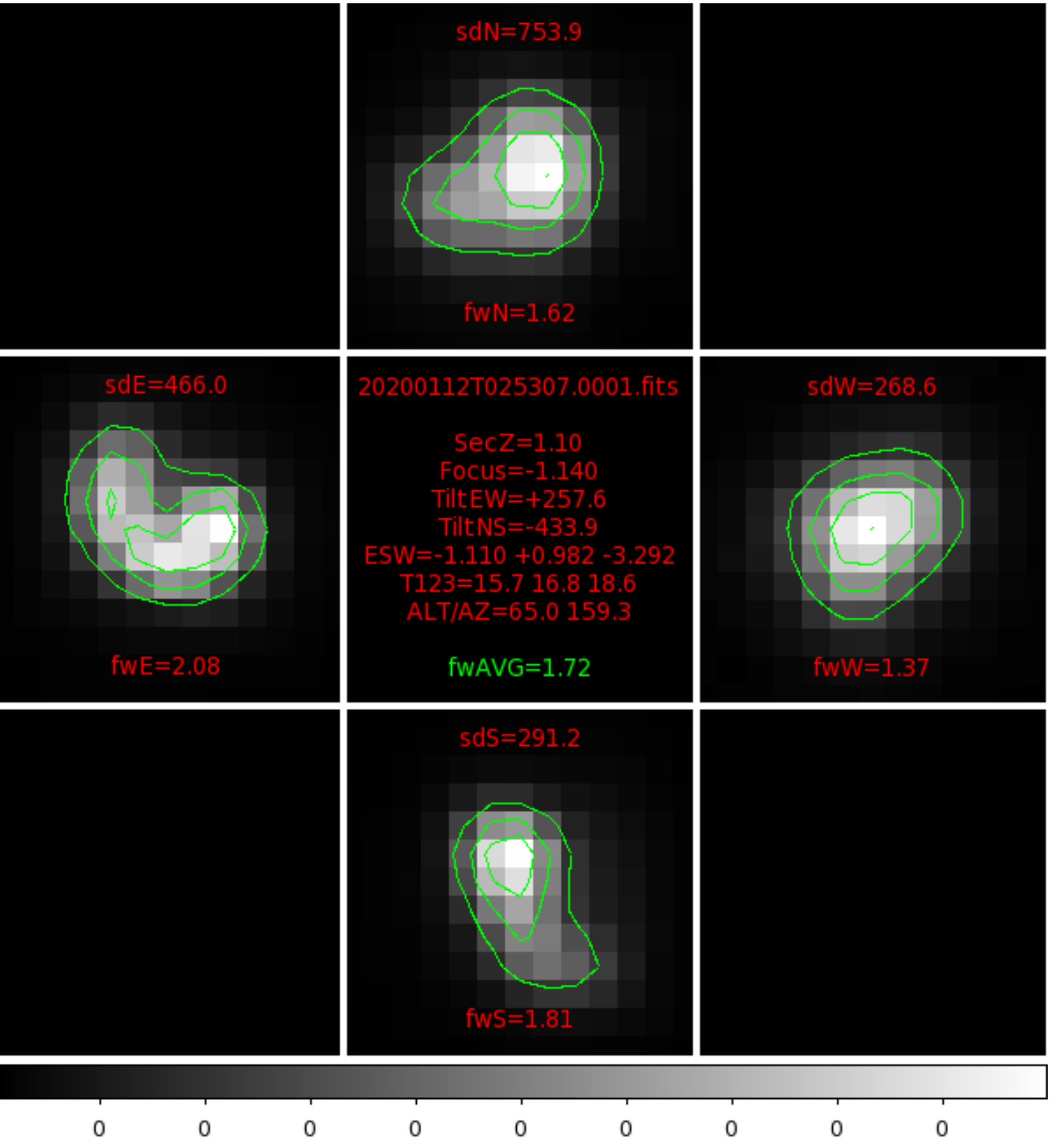
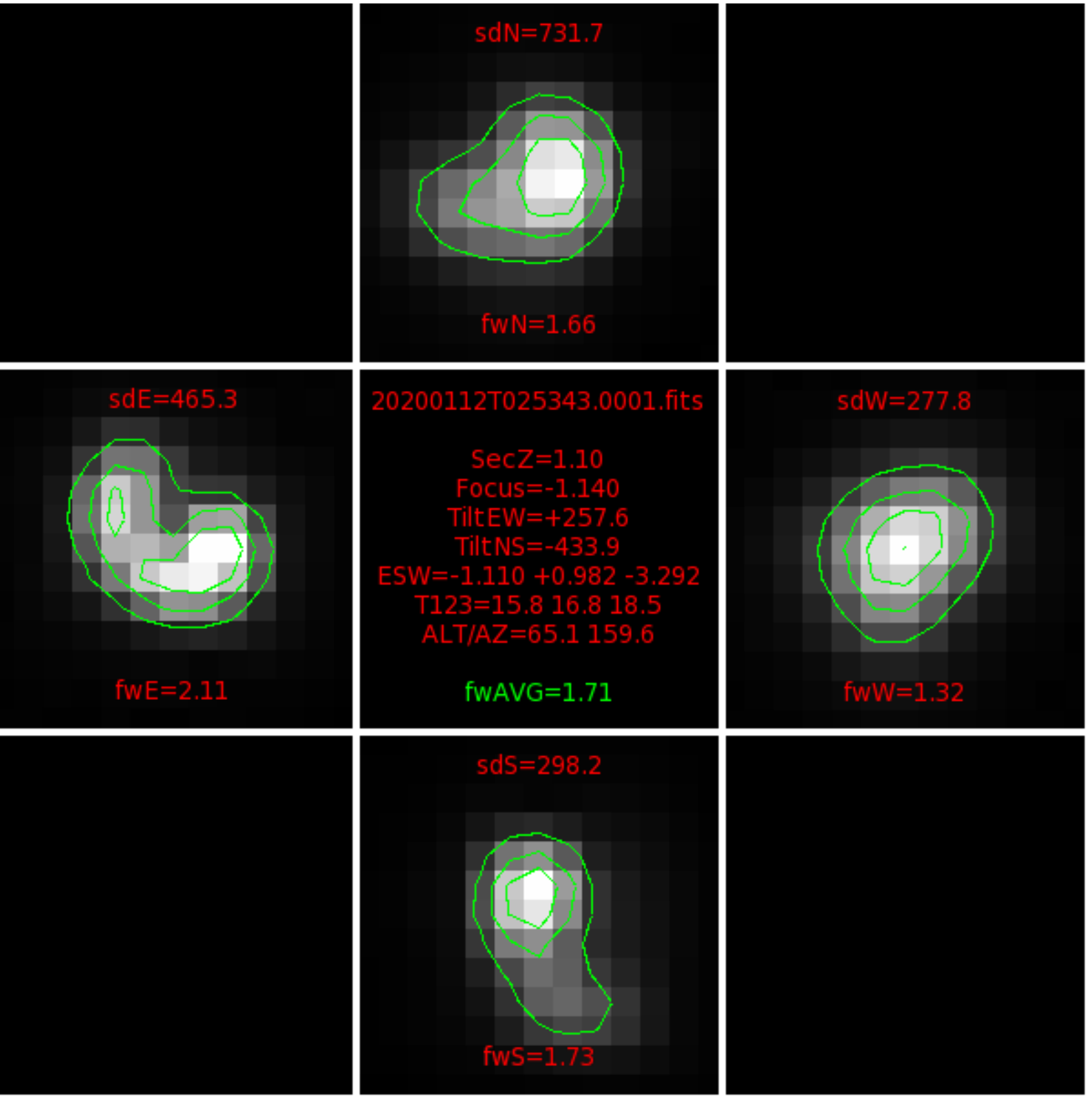
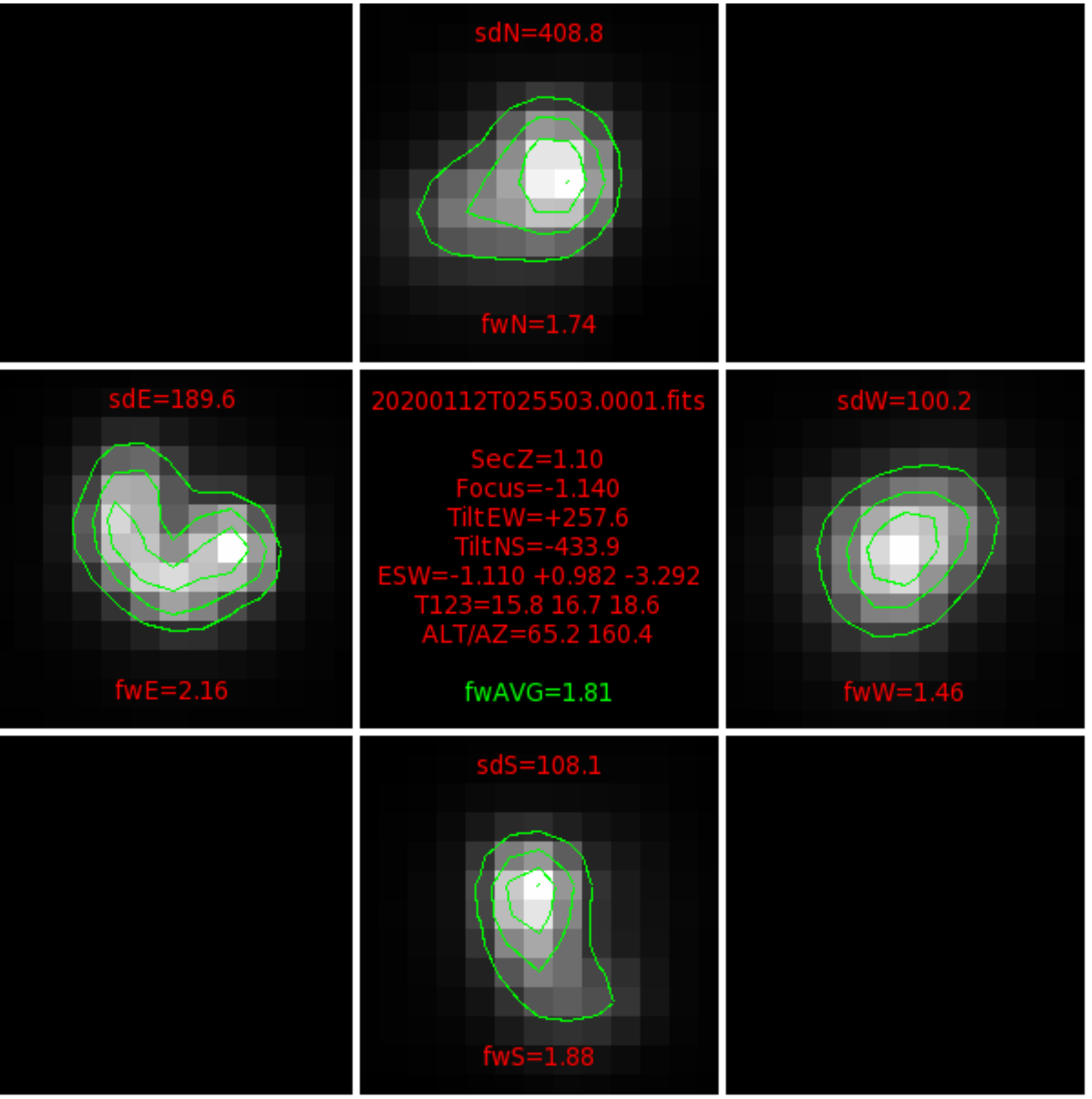

sdN=753.9
fwN=1.62
sdE=466.0
fwE=2.08
20200112T025307.0001.fits
SecZ=1.10
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.7 16.8 18.6
ALT/AZ=65.0 159.3
fwAVG=1.72
sdW=268.6
fwW=1.37
sdS=291.2
fwS=1.81
0 0 0 0 0 0 0 0 0


sdN=731.7
fwN=1.66
sdE=465.3
fwE=2.11
20200112T025343.0001.fits
SecZ=1.10
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.8 16.8 18.5
ALT/AZ=65.1 159.6
fwAVG=1.71
sdW=277.8
fwW=1.32
sdS=298.2
fwS=1.73
0 0 0 0 0 0 0 0 0


sdN=408.8
fwN=1.74
sdE=189.6
fwE=2.16
20200112T025503.0001.fits
SecZ=1.10
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.8 16.7 18.6
ALT/AZ=65.2 160.4
fwAVG=1.81
sdW=100.2
fwW=1.46
sdS=108.1
fwS=1.88
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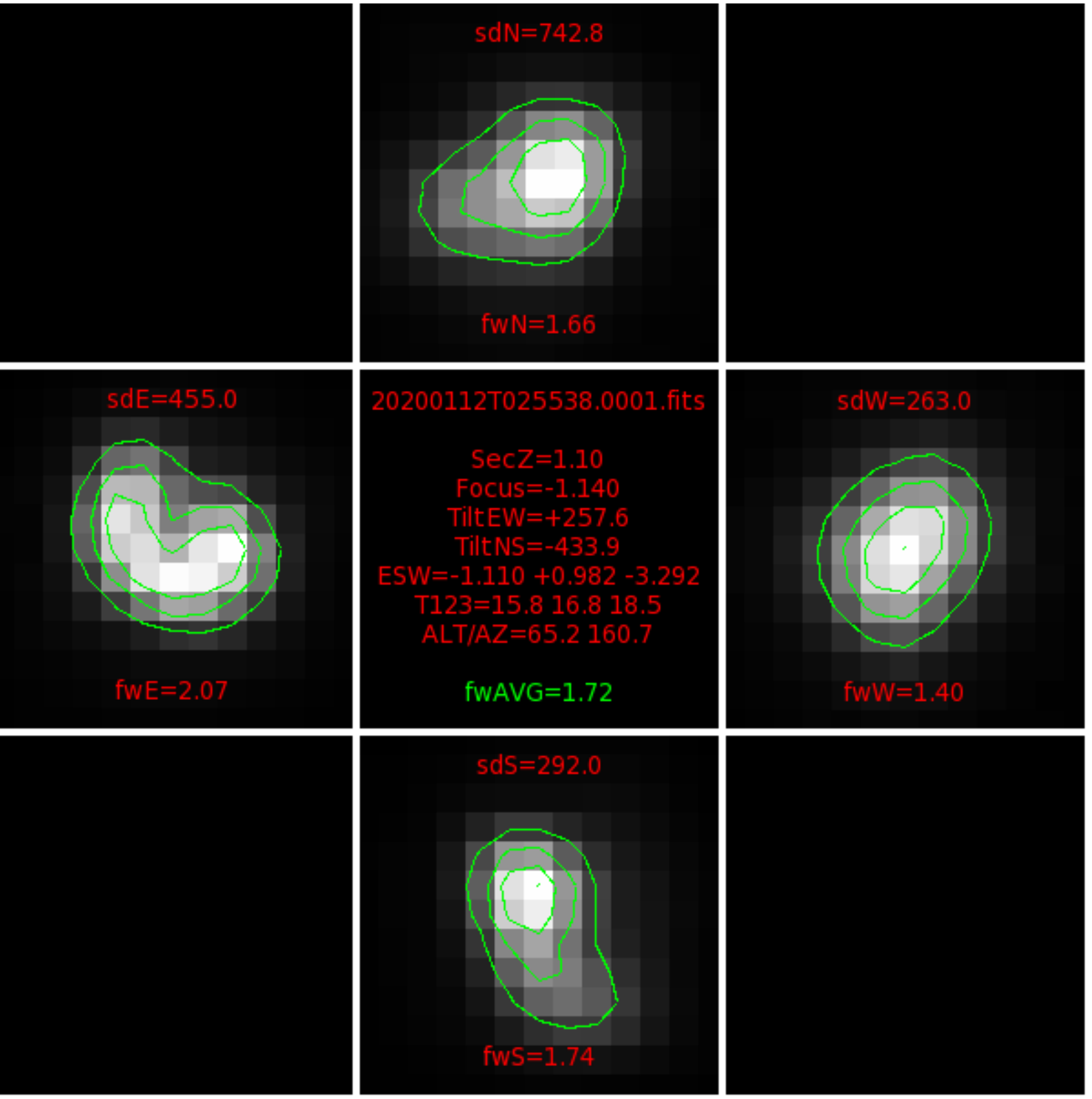
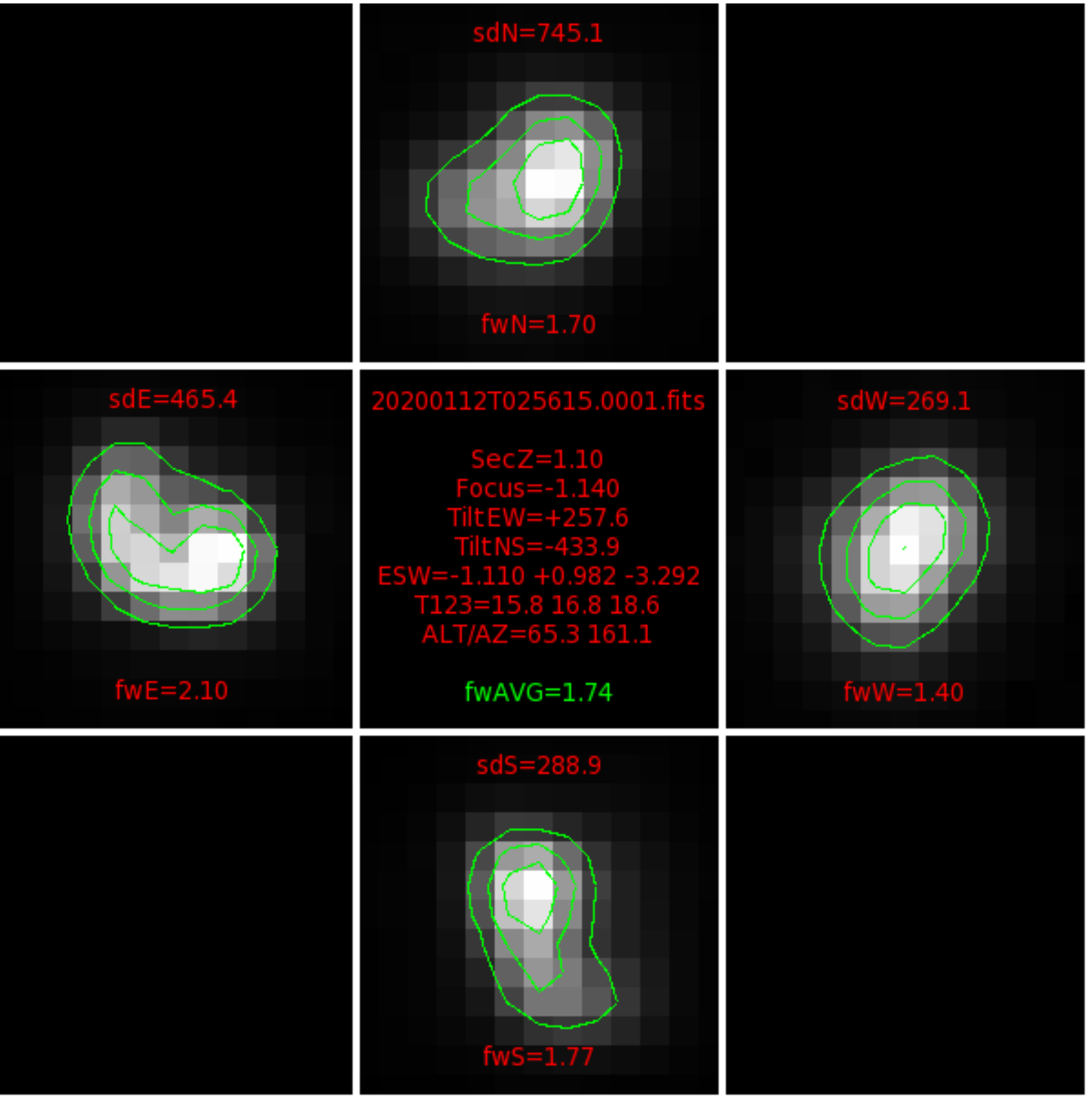

sdN=742.8
fwN=1.66
sdE=455.0
fwE=2.07
20200112T025538.0001.fits
SecZ=1.10
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.8 16.8 18.5
ALT/AZ=65.2 160.7
fwAVG=1.72
sdW=263.0
fwW=1.40
sdS=292.0
fwS=1.74
0 0 0 0 0 0 0 0 0


sdN=745.1
fwN=1.70
sdE=465.4
fwE=2.10
20200112T025615.0001.fits
SecZ=1.10
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.8 16.8 18.6
ALT/AZ=65.3 161.1
fwAVG=1.74
sdW=269.1
fwW=1.40
sdS=288.9
fwS=1.77
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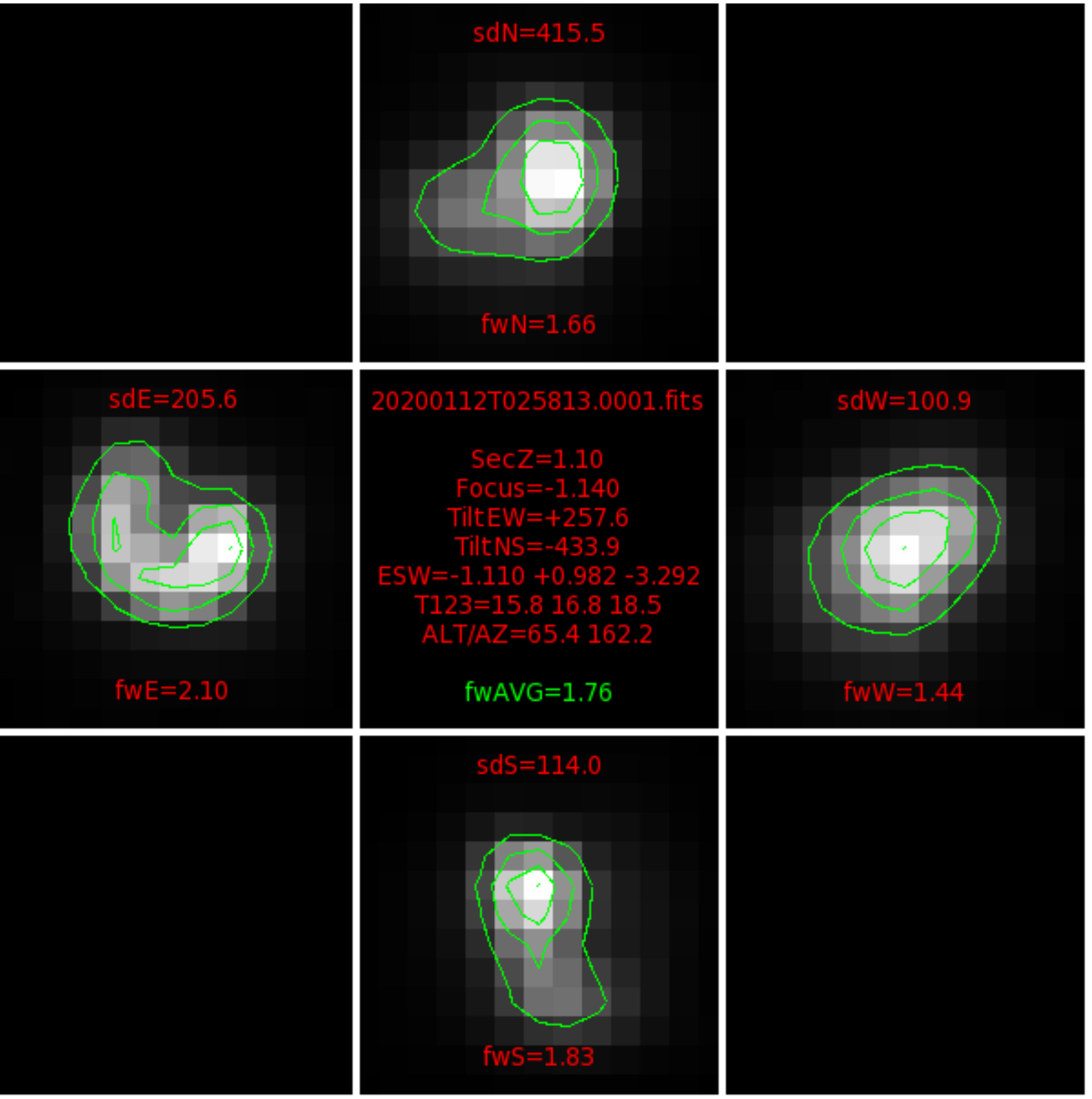
sdN=415.5
fwN=1.66
sdE=205.6
fwE=2.10
20200112T025813.0001.fits
SecZ=1.10
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.8 16.8 18.5
ALT/AZ=65.4 162.2
fwAVG=1.76
sdW=100.9
fwW=1.44
sdS=114.0
fwS=1.83
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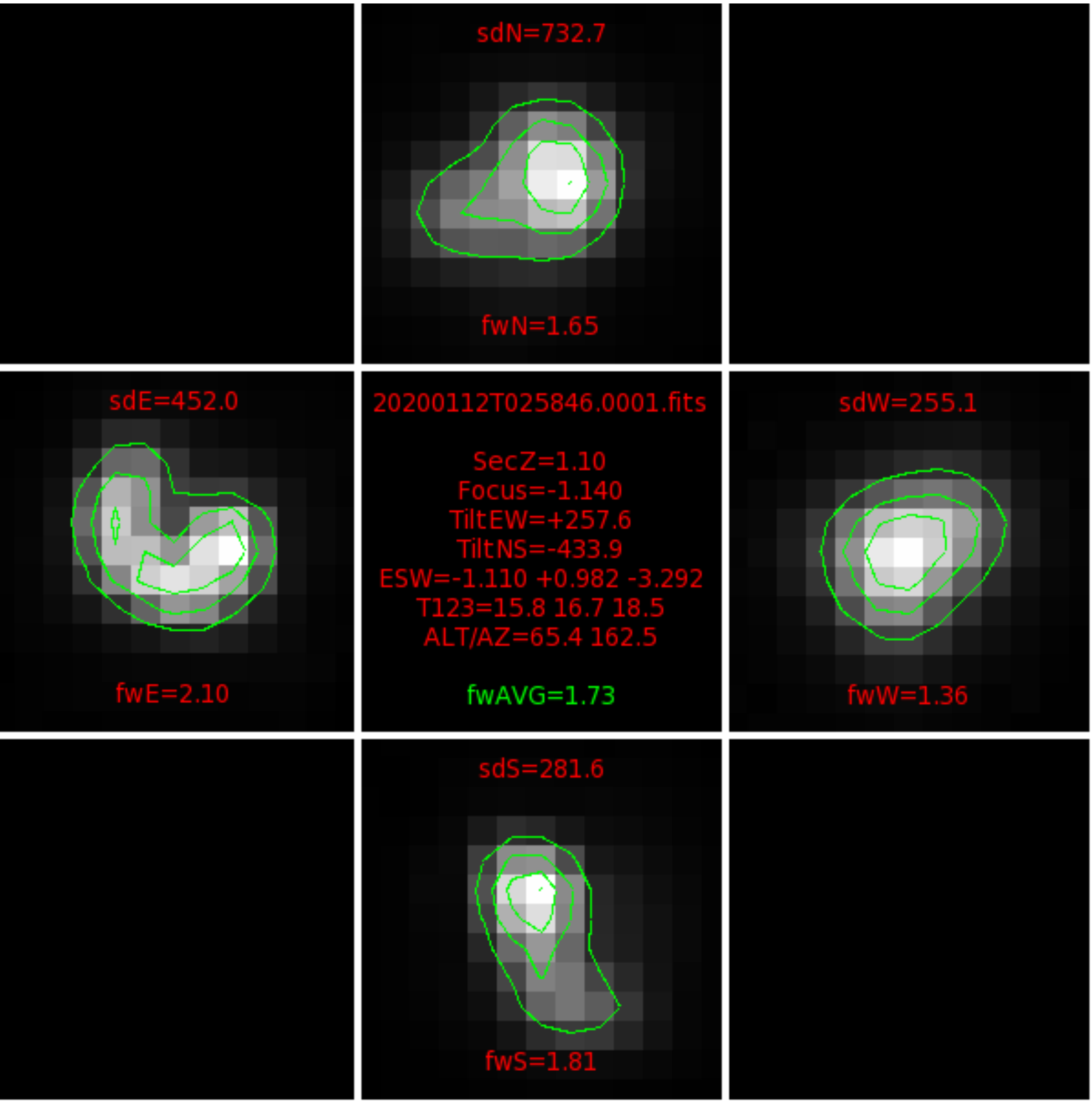
sdN=732.7
fwN=1.65
sdE=452.0
fwE=2.10
20200112T025846.0001.fits
SecZ=1.10
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.8 16.7 18.5
ALT/AZ=65.4 162.5
fwAVG=1.73
sdW=255.1
fwW=1.36
sdS=281.6
fwS=1.81
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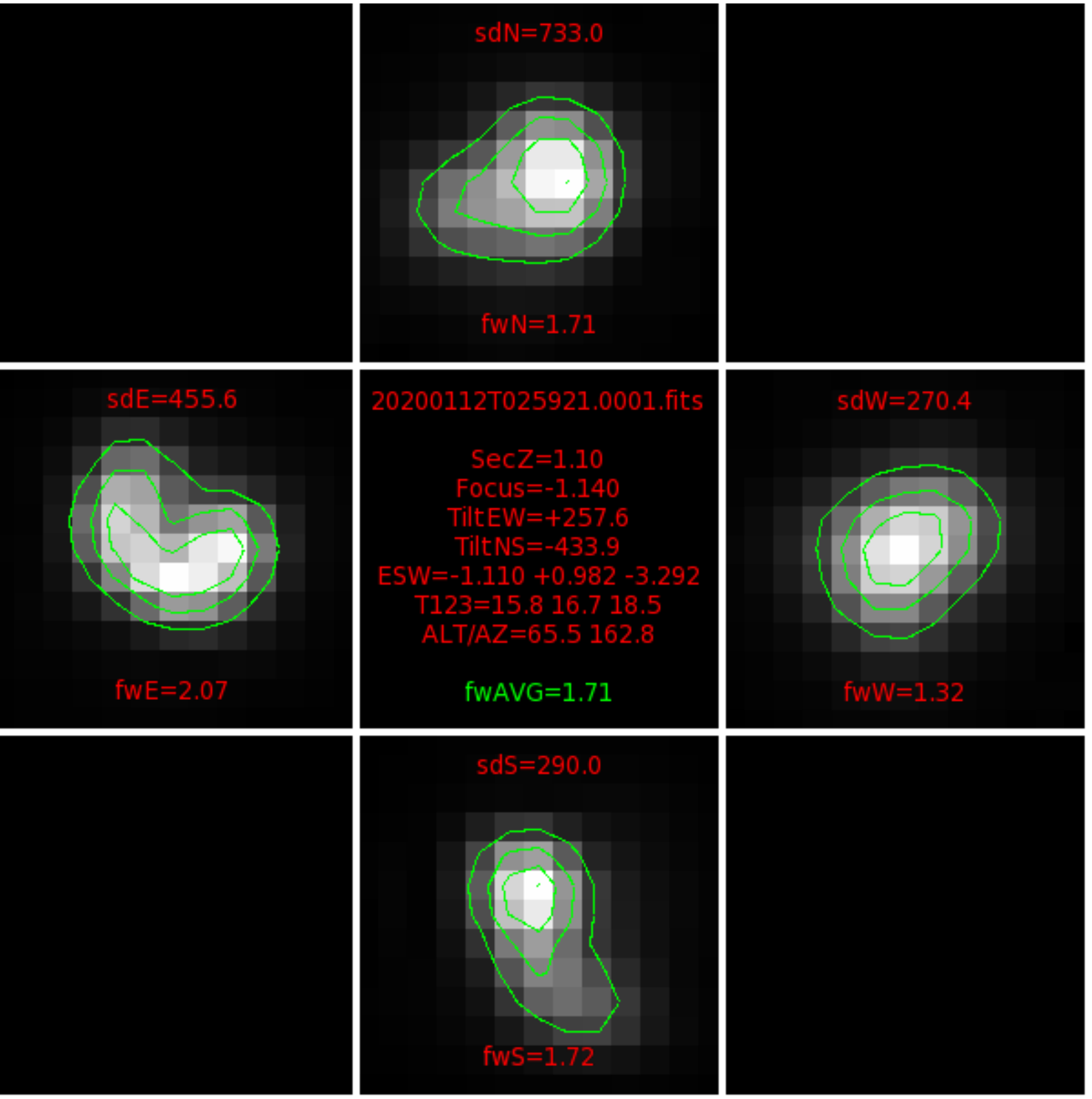
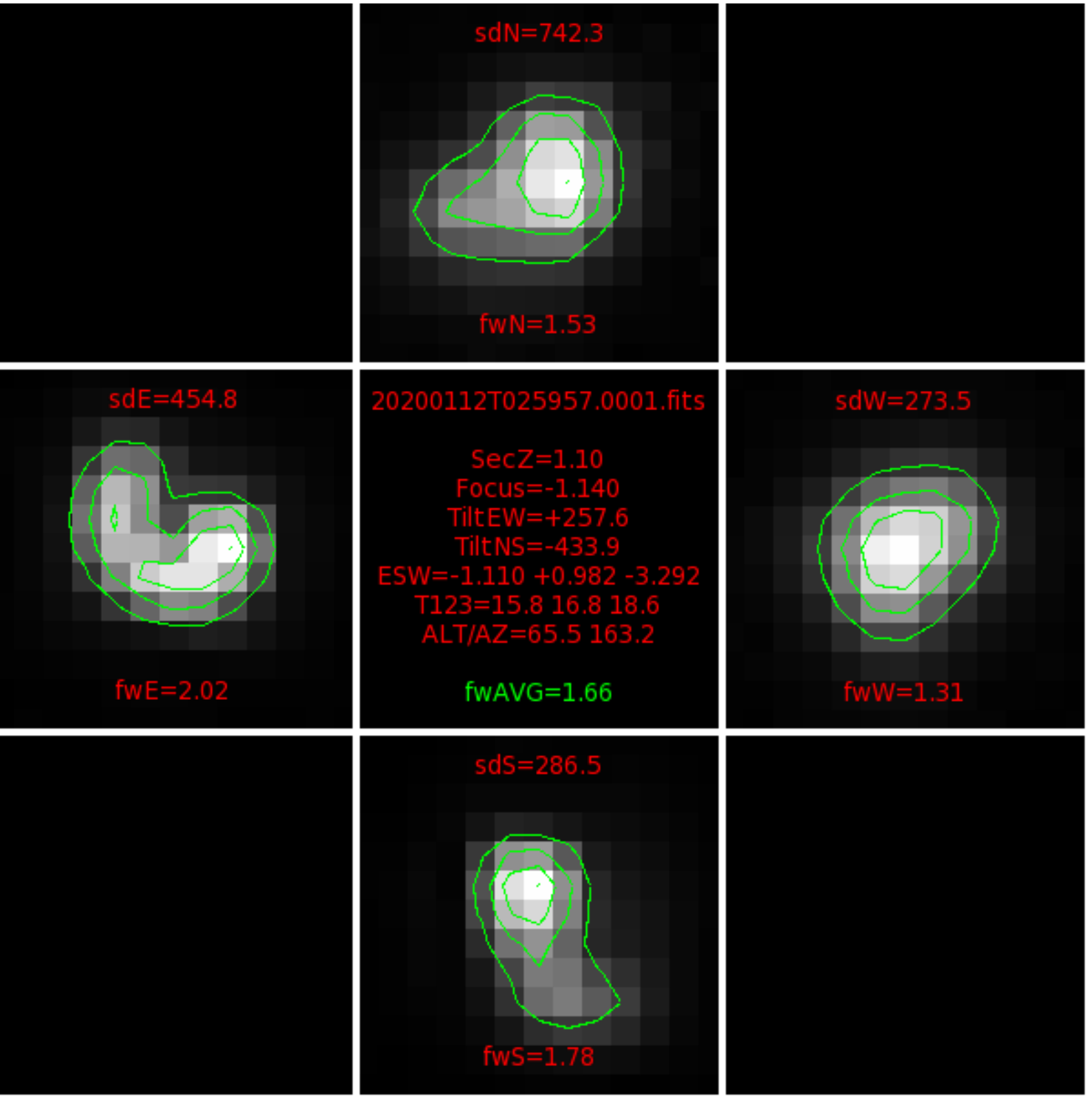

sdN=733.0
fwN=1.71
sdE=455.6
fwE=2.07
20200112T025921.0001.fits
SecZ=1.10
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.8 16.7 18.5
ALT/AZ=65.5 162.8
fwAVG=1.71
sdW=270.4
fwW=1.32
sdS=290.0
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=742.3
fwN=1.53
sdE=454.8
fwE=2.02
20200112T025957.0001.fits
SecZ=1.10
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.8 16.8 18.6
ALT/AZ=65.5 163.2
fwAVG=1.66
sdW=273.5
fwW=1.31
sdS=286.5
fwS=1.78
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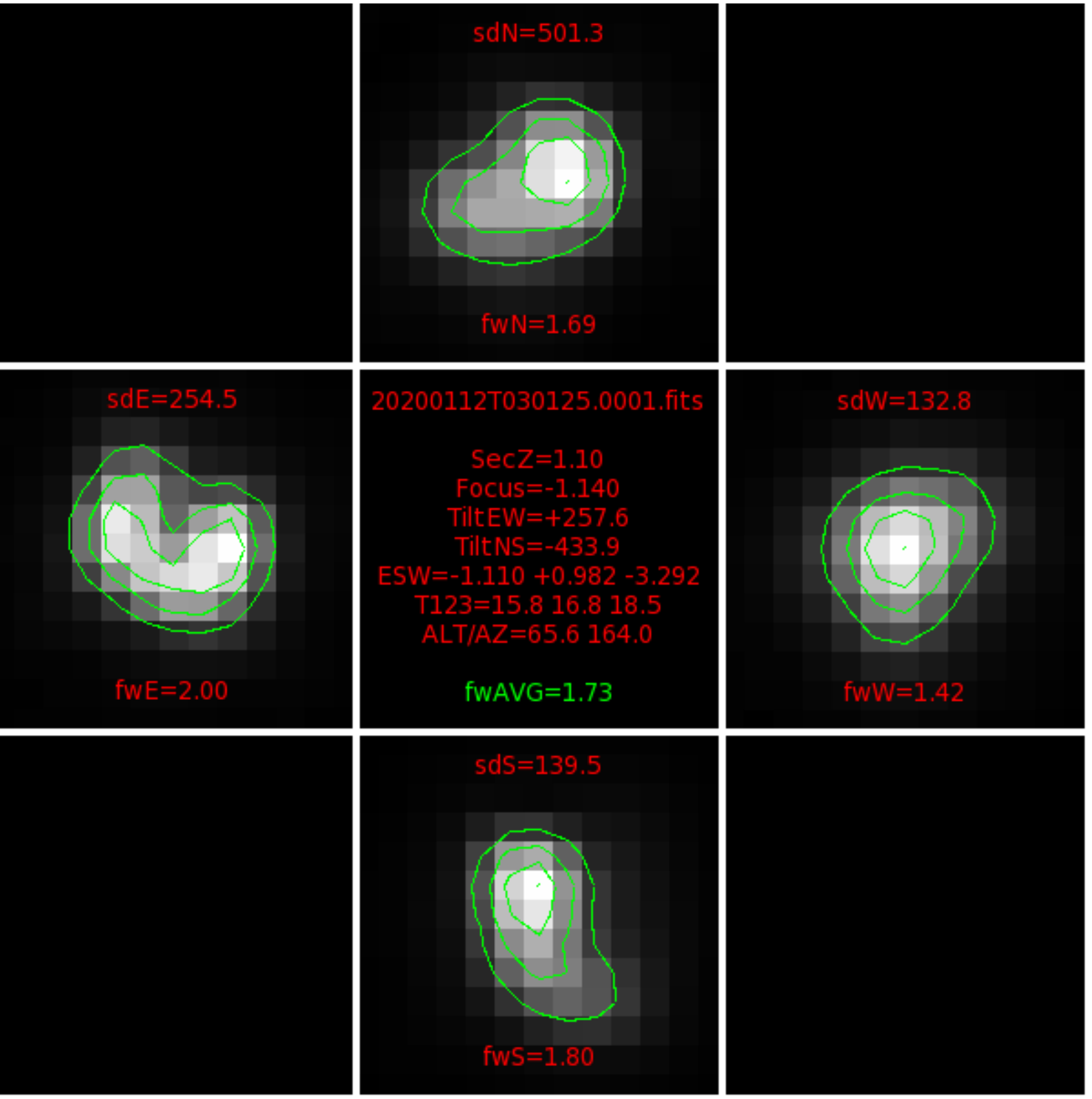
sdN=501.3
fwN=1.69
sdE=254.5
fwE=2.00
20200112T030125.0001.fits
SecZ=1.10
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.8 16.8 18.5
ALT/AZ=65.6 164.0
fwAVG=1.73
sdW=132.8
fwW=1.42
sdS=139.5
fwS=1.80
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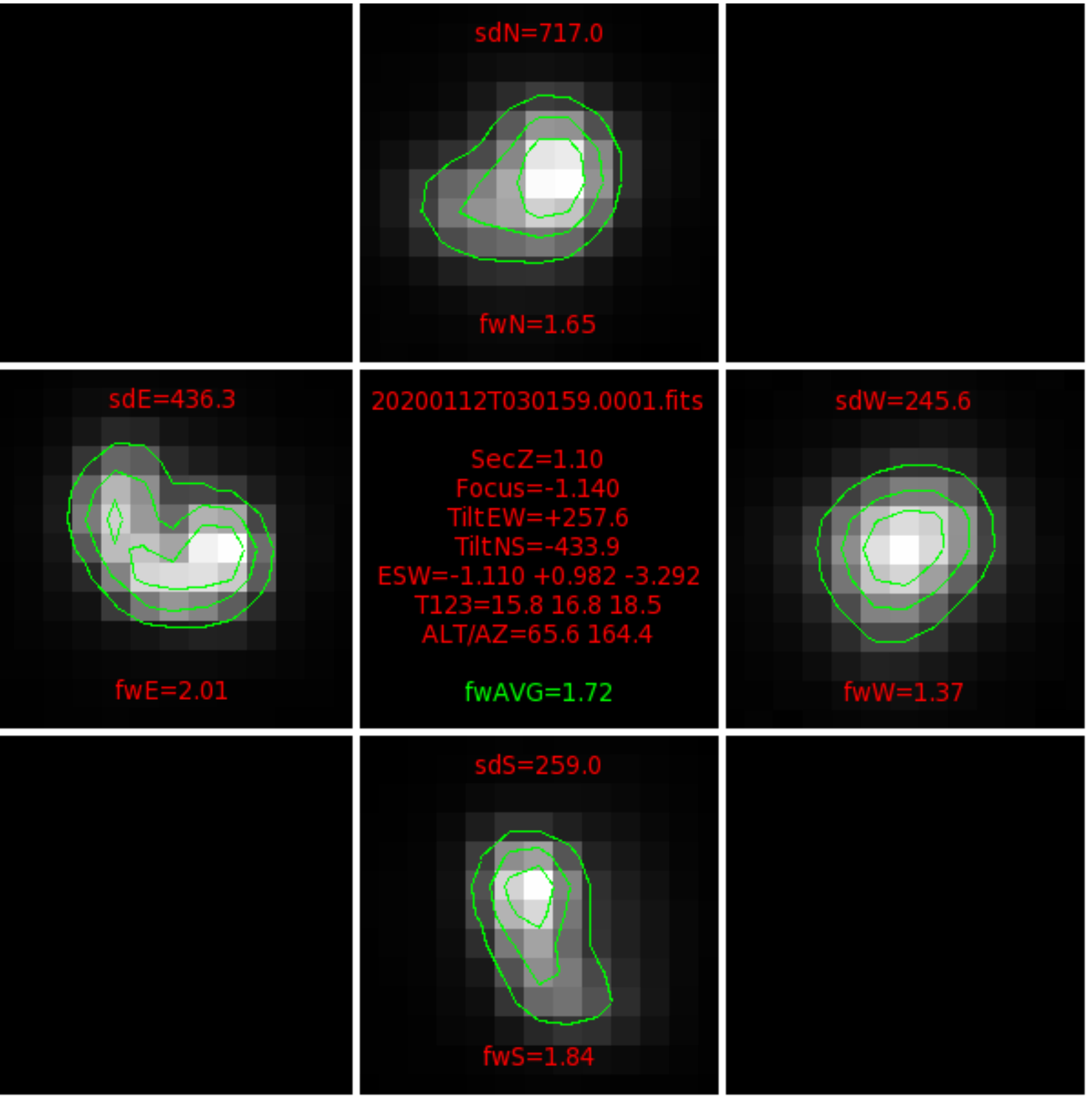
sdN=717.0
fwN=1.65
sdE=436.3
fwE=2.01
20200112T030159.0001.fits
SecZ=1.10
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.8 16.8 18.5
ALT/AZ=65.6 164.4
fwAVG=1.72
sdW=245.6
fwW=1.37
sdS=259.0
fwS=1.84
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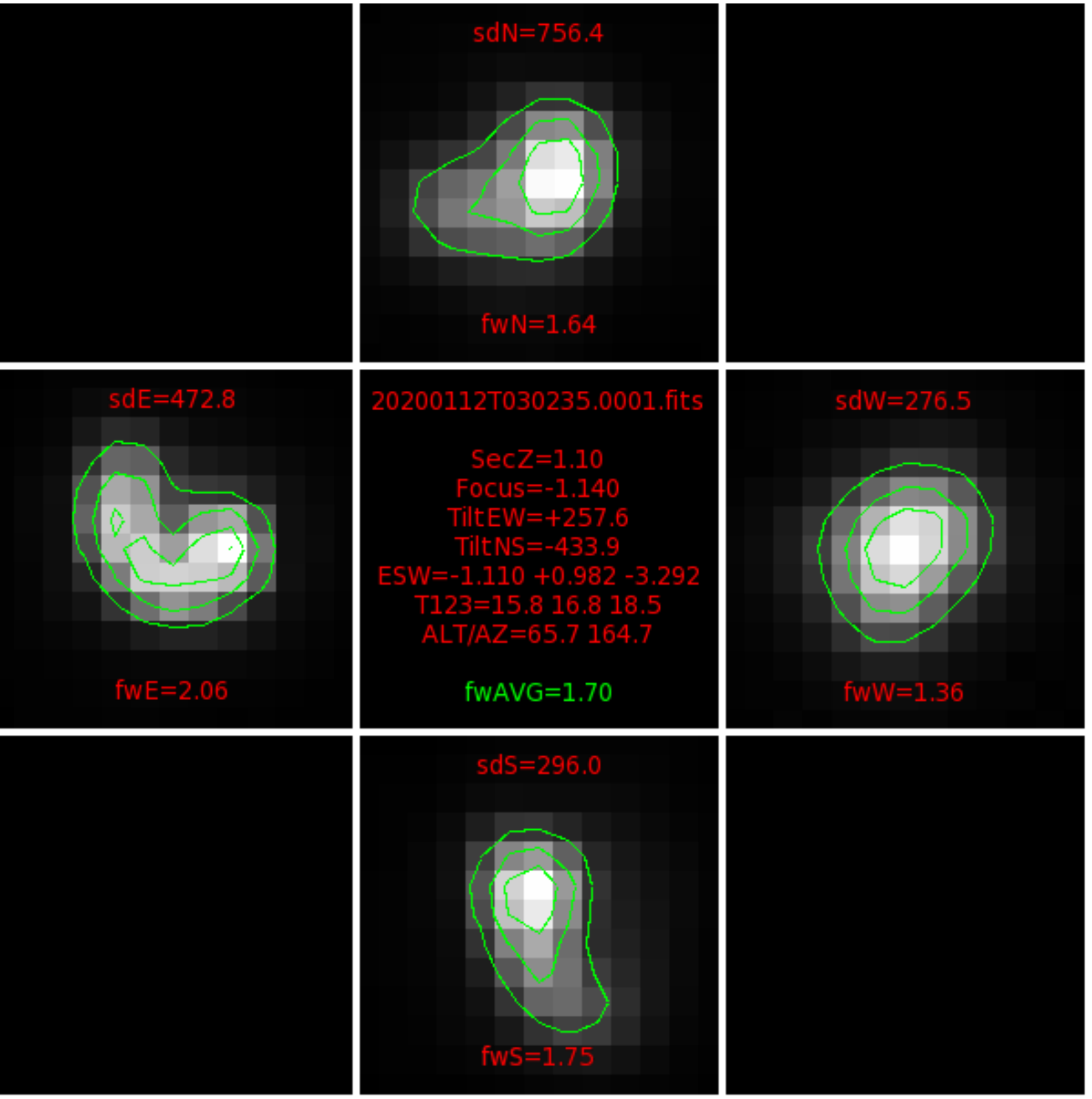
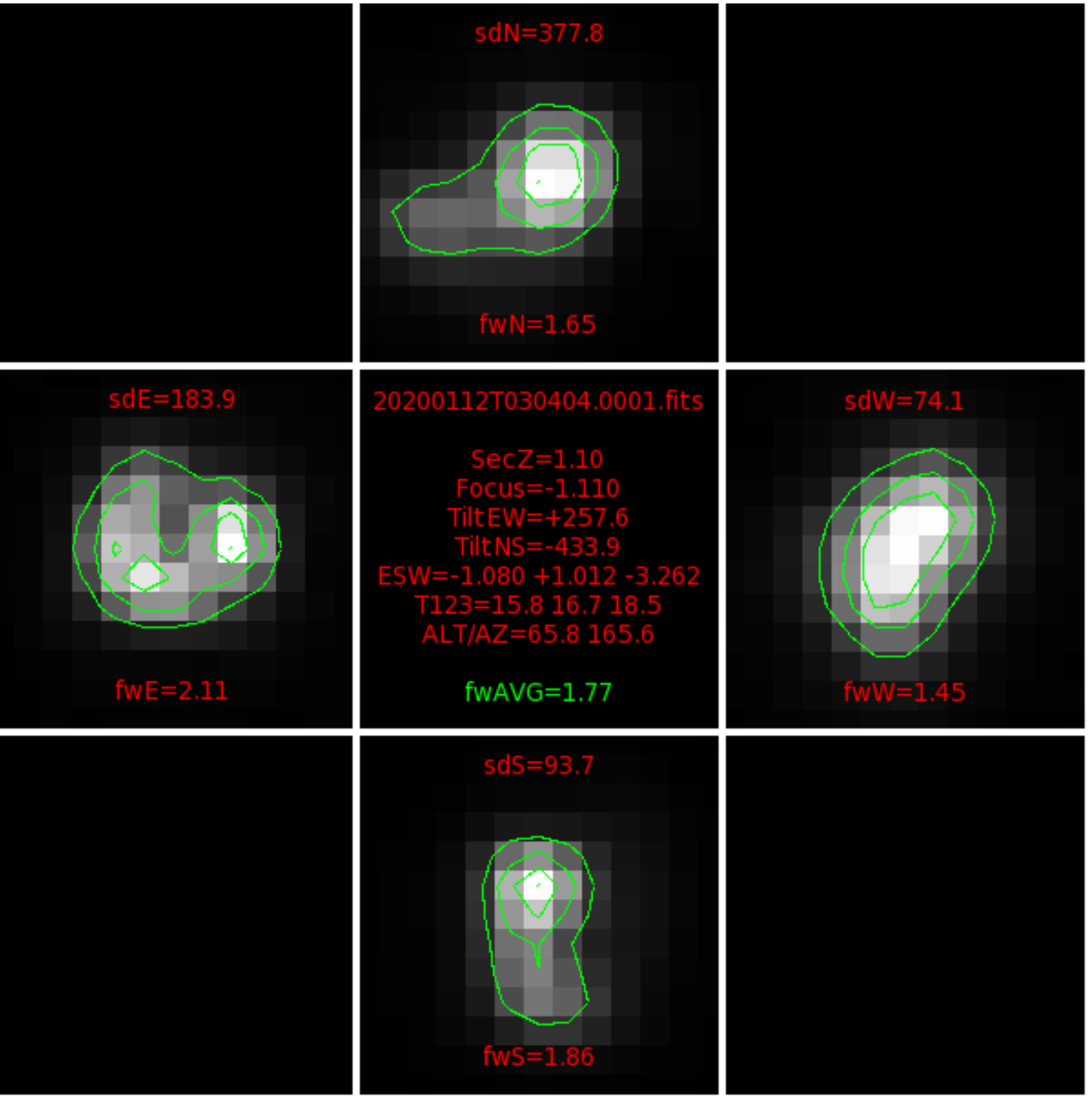
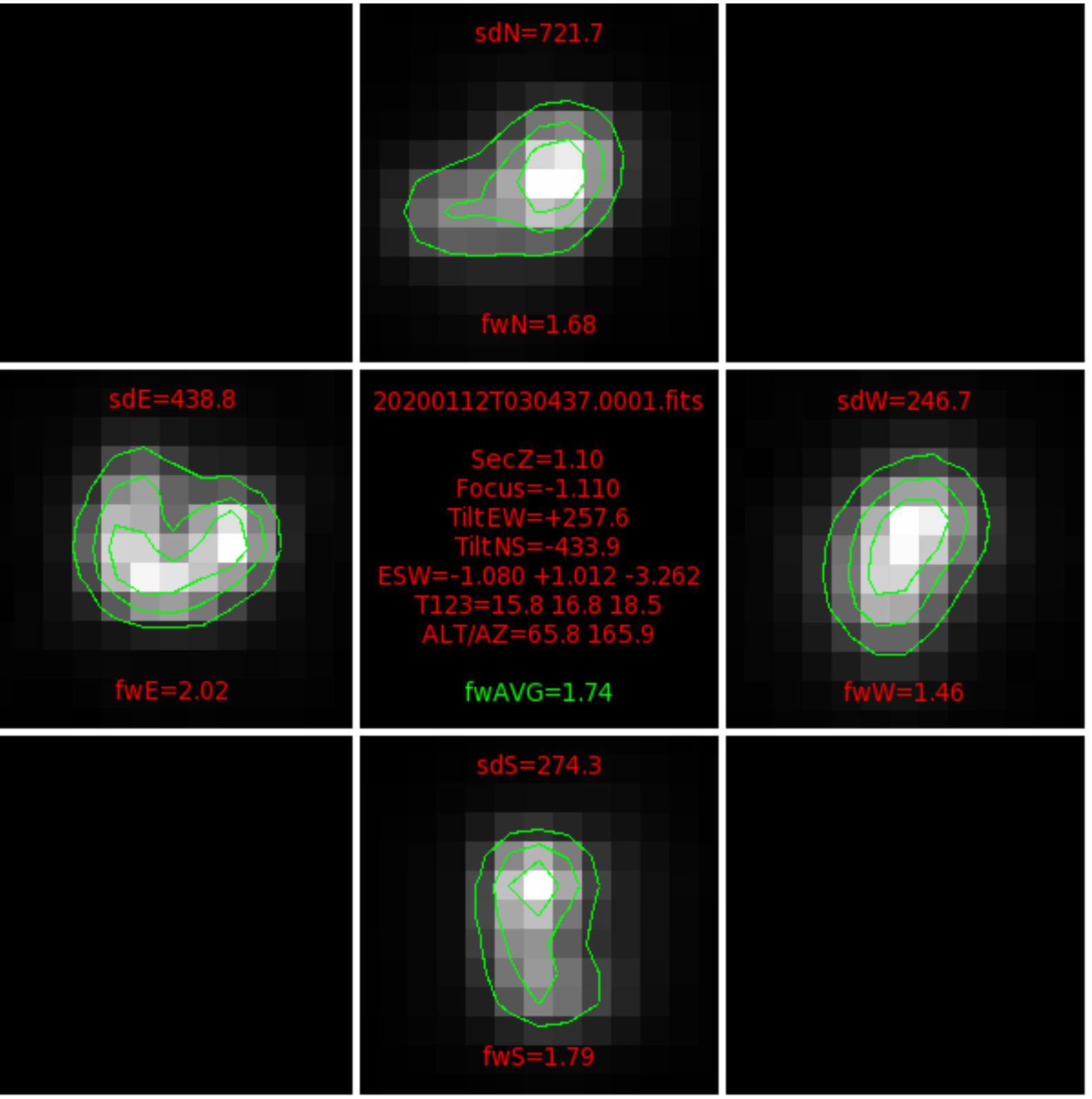

sdN=756.4
fwN=1.64
sdE=472.8
fwE=2.06
20200112T030235.0001.fits
SecZ=1.10
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.8 16.8 18.5
ALT/AZ=65.7 164.7
fwAVG=1.70
sdW=276.5
fwW=1.36
sdS=296.0
fwS=1.75
0 0 0 0 0 0 0 0 0


sdN=377.8
fwN=1.65
sdE=183.9
fwE=2.11
20200112T030404.0001.fits
SecZ=1.10
Focus=-1.110
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.080 +1.012 -3.262
T123=15.8 16.7 18.5
ALT/AZ=65.8 165.6
fwAVG=1.77
sdW=74.1
fwW=1.45
sdS=93.7
fwS=1.86
0 0 0 0 0 0 0 0 0


sdN=721.7
fwN=1.68
sdE=438.8
fwE=2.02
20200112T030437.0001.fits
SecZ=1.10
Focus=-1.110
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.080 +1.012 -3.262
T123=15.8 16.8 18.5
ALT/AZ=65.8 165.9
fwAVG=1.74
sdW=246.7
fwW=1.46
sdS=274.3
fwS=1.79
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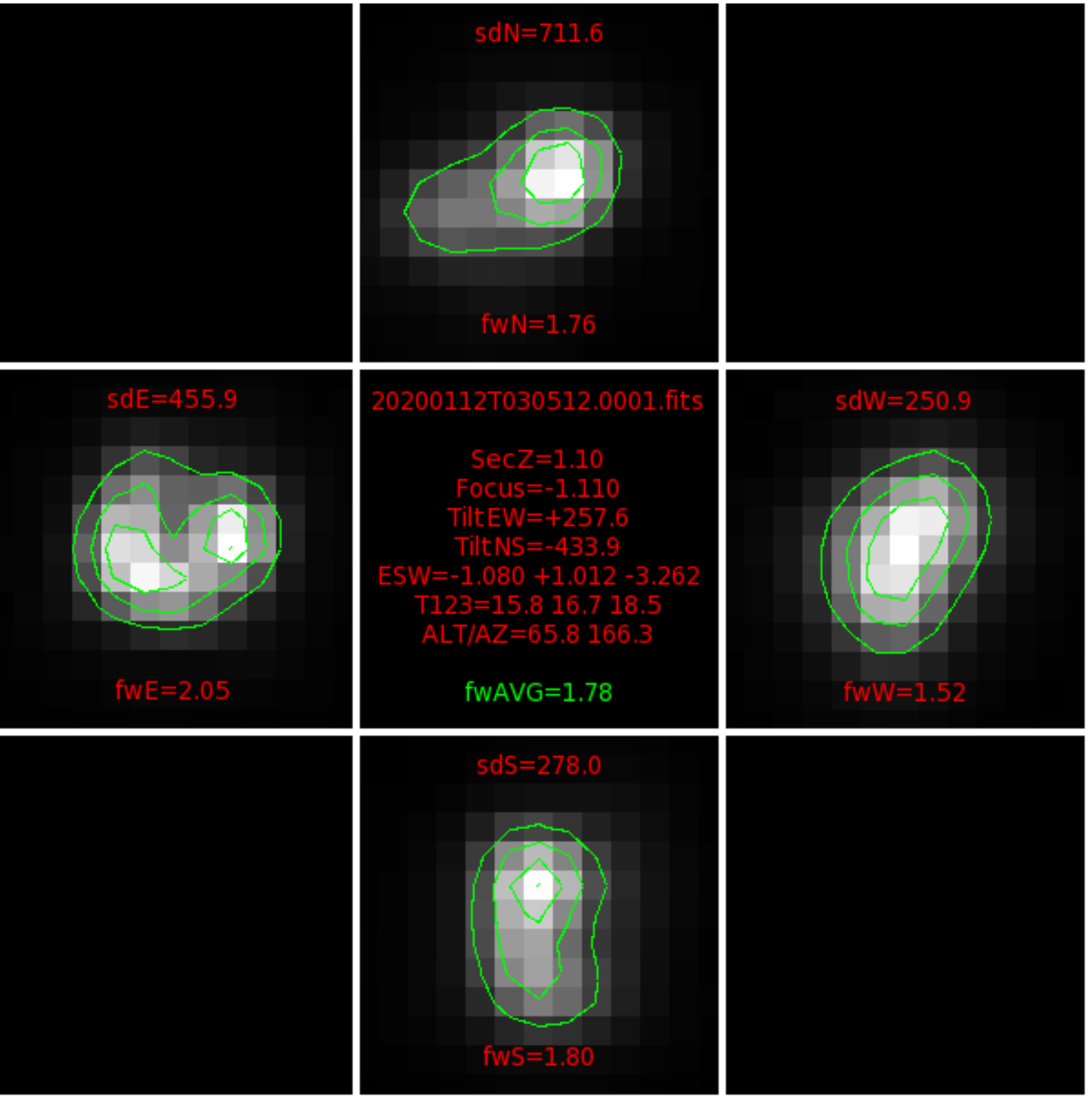
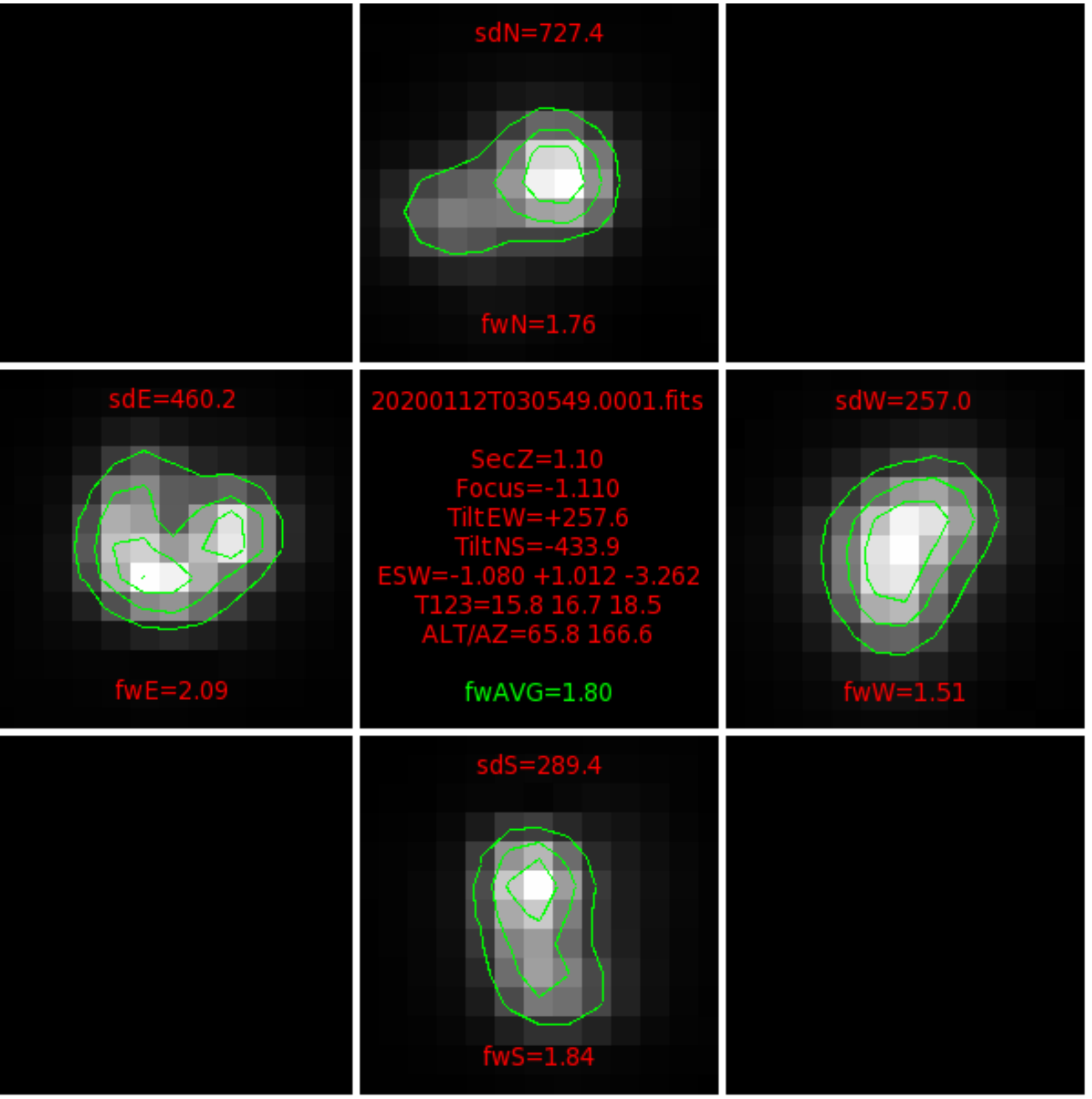
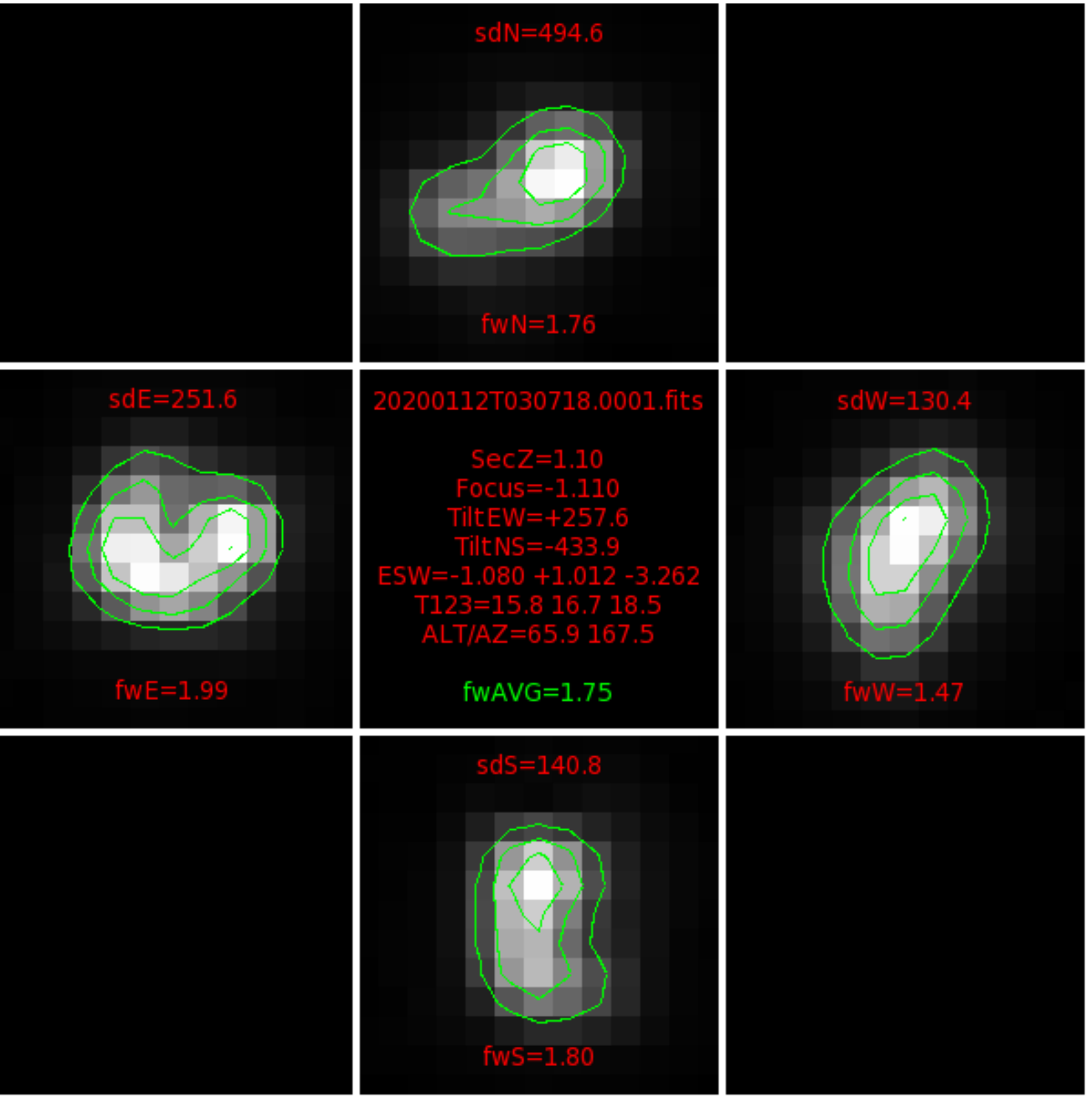

sdN=711.6
fwN=1.76
sdE=455.9
fwE=2.05
20200112T030512.0001.fits
SecZ=1.10
Focus=-1.110
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.080 +1.012 -3.262
T123=15.8 16.7 18.5
ALT/AZ=65.8 166.3
fwAVG=1.78
sdW=250.9
fwW=1.52
sdS=278.0
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=727.4
fwN=1.76
sdE=460.2
fwE=2.09
20200112T030549.0001.fits
SecZ=1.10
Focus=-1.110
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.080 +1.012 -3.262
T123=15.8 16.7 18.5
ALT/AZ=65.8 166.6
fwAVG=1.80
sdW=257.0
fwW=1.51
sdS=289.4
fwS=1.84
0 0 0 0 0 0 0 0 0


sdN=494.6
fwN=1.76
sdE=251.6
fwE=1.99
20200112T030718.0001.fits
SecZ=1.10
Focus=-1.110
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.080 +1.012 -3.262
T123=15.8 16.7 18.5
ALT/AZ=65.9 167.5
fwAVG=1.75
sdW=130.4
fwW=1.47
sdS=140.8
fwS=1.80
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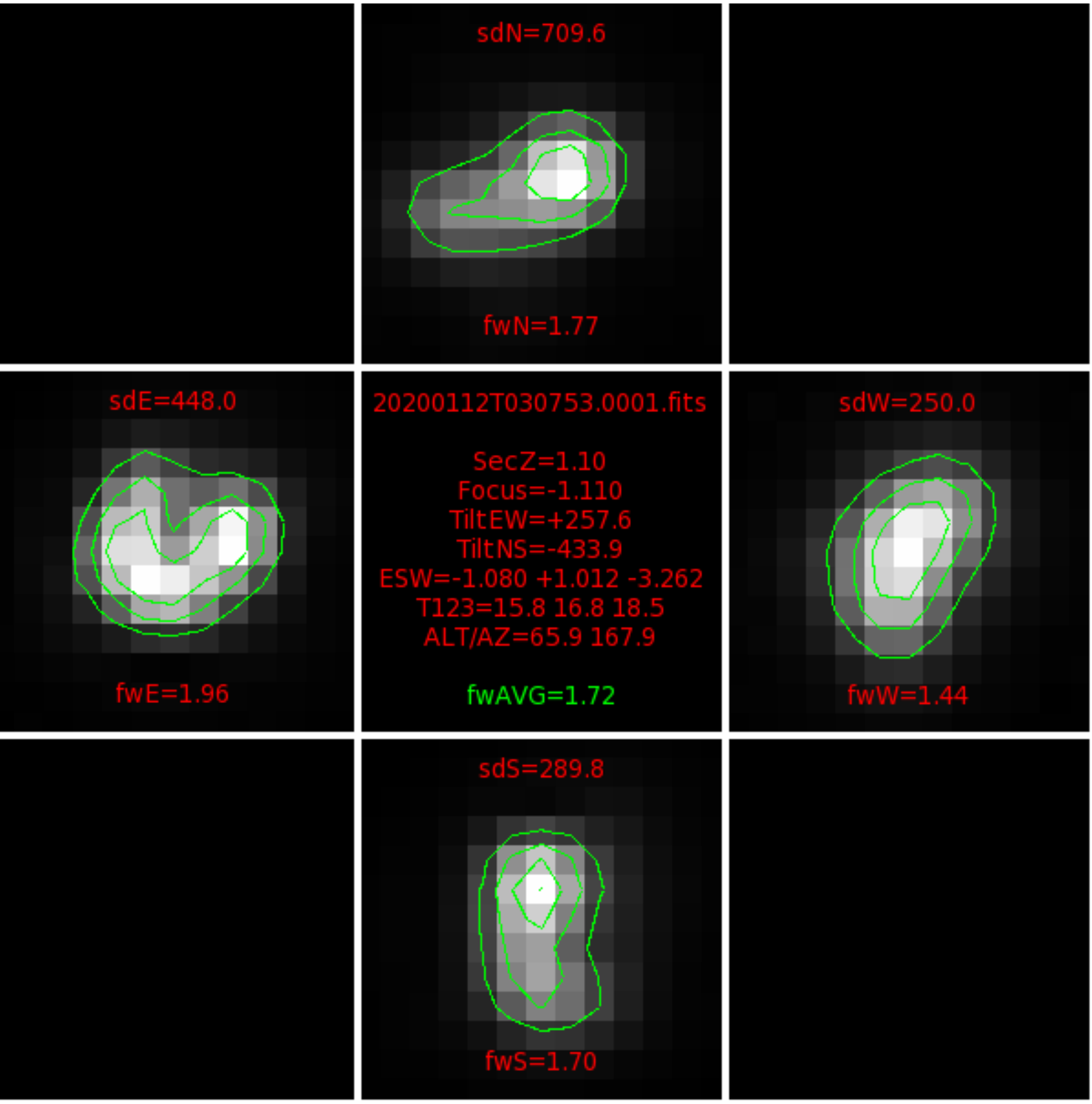
sdN=709.6
fwN=1.77
sdE=448.0
fwE=1.96
20200112T030753.0001.fits
SecZ=1.10
Focus=-1.110
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.080 +1.012 -3.262
T123=15.8 16.8 18.5
ALT/AZ=65.9 167.9
fwAVG=1.72
sdW=250.0
fwW=1.44
sdS=289.8
fwS=1.70
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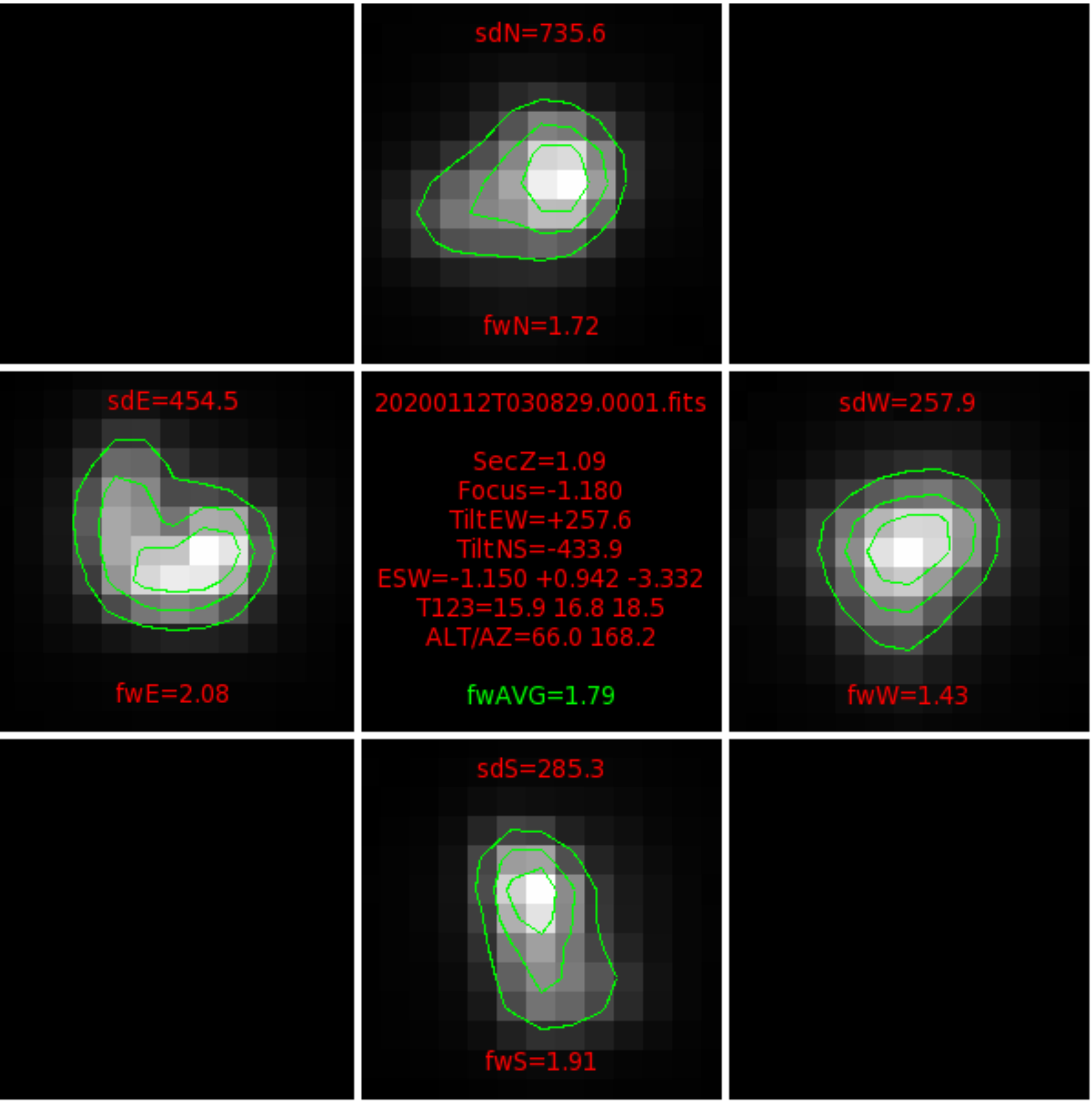
sdN=735.6
fwN=1.72
sdE=454.5
fwE=2.08
20200112T030829.0001.fits
SecZ=1.09
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.9 16.8 18.5
ALT/AZ=66.0 168.2
fwAVG=1.79
sdW=257.9
fwW=1.43
sdS=285.3
fwS=1.91
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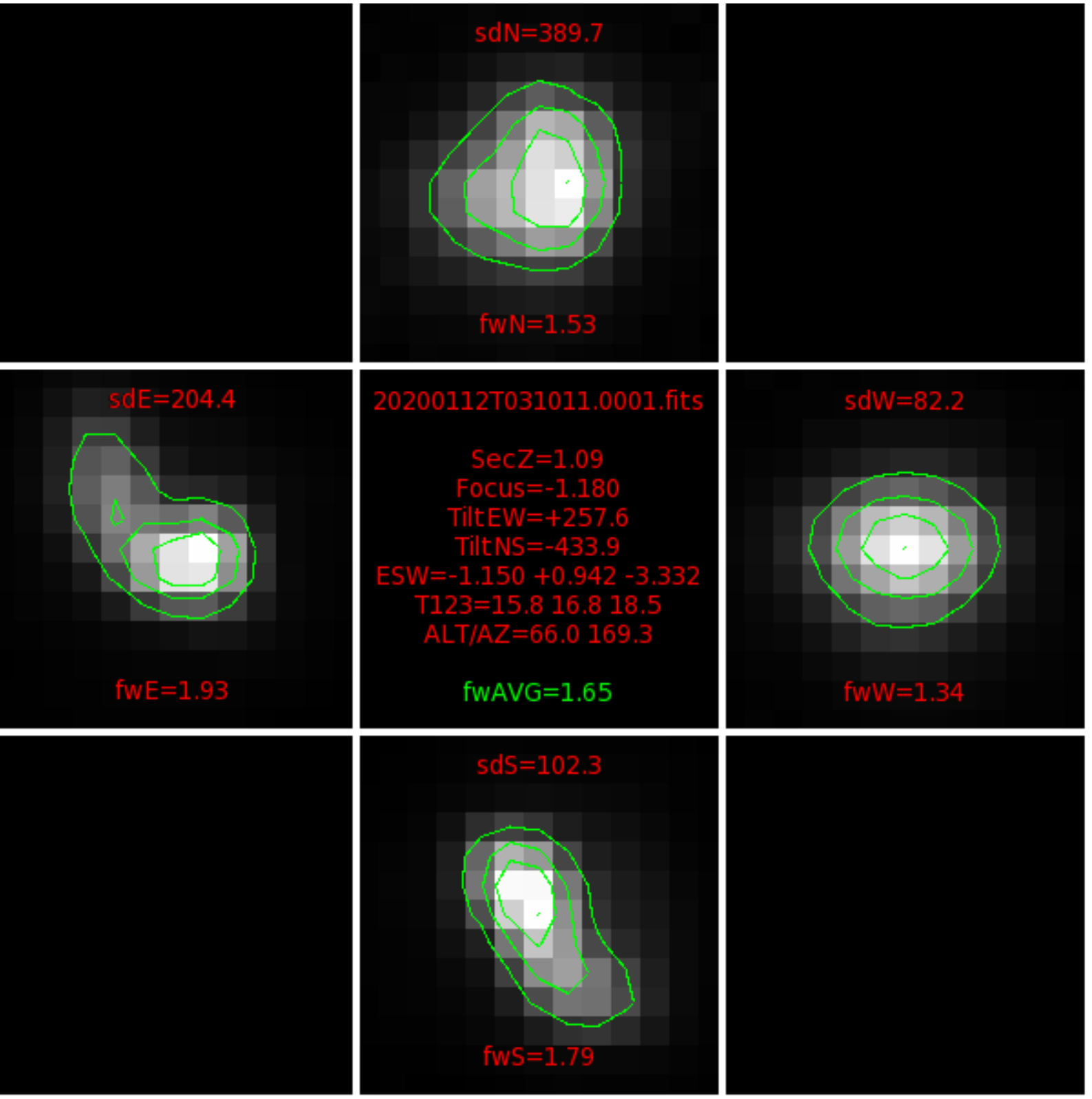
sdN=389.7
fwN=1.53
sdE=204.4
fwE=1.93
20200112T031011.0001.fits
SecZ=1.09
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.8 16.8 18.5
ALT/AZ=66.0 169.3
fwAVG=1.65
sdW=82.2
fwW=1.34
sdS=102.3
fwS=1.79
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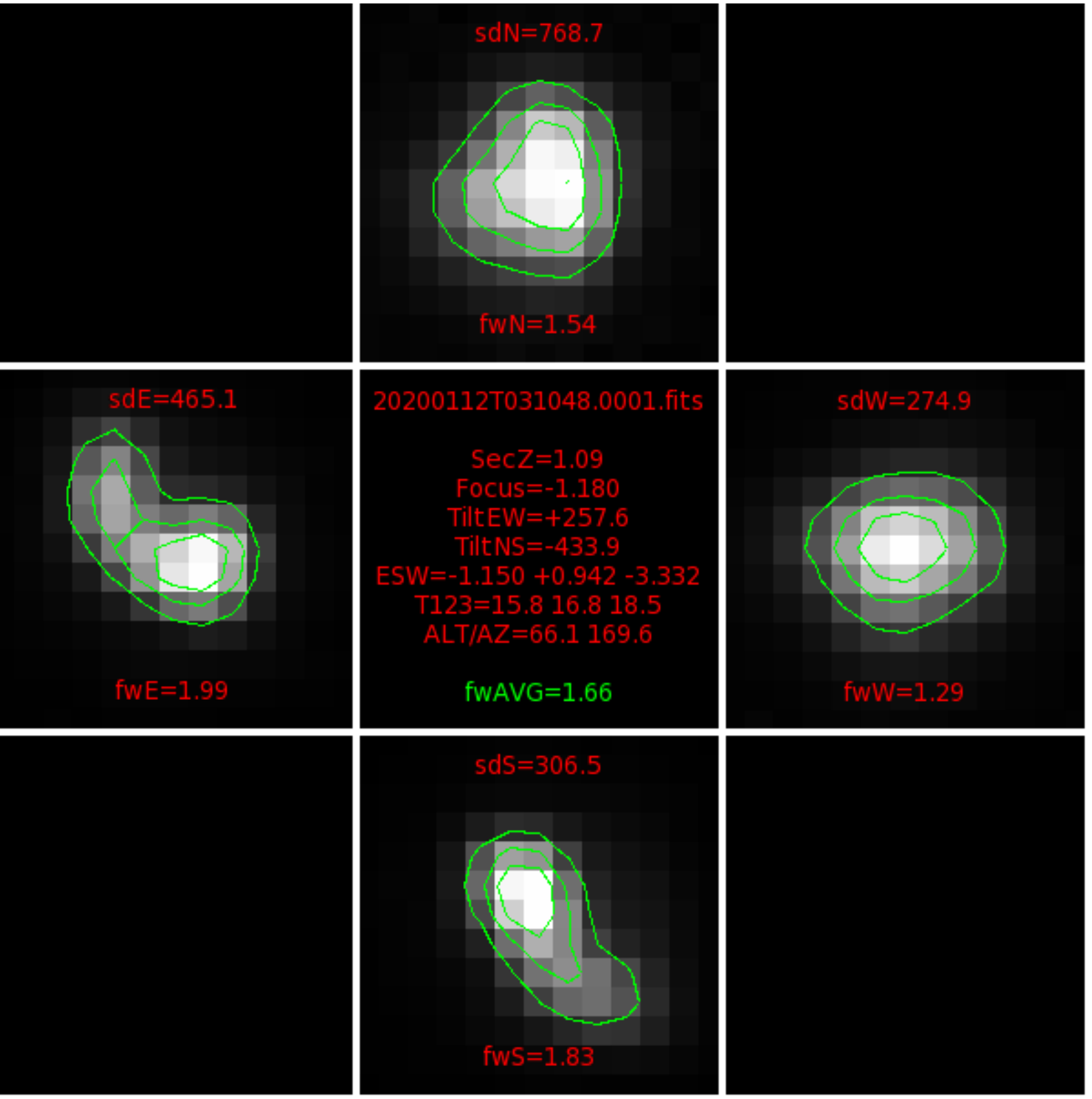
sdN=768.7
fwN=1.54
sdE=465.1
fwE=1.99
20200112T031048.0001.fits
SecZ=1.09
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.8 16.8 18.5
ALT/AZ=66.1 169.6
fwAVG=1.66
sdW=274.9
fwW=1.29
sdS=306.5
fwS=1.83
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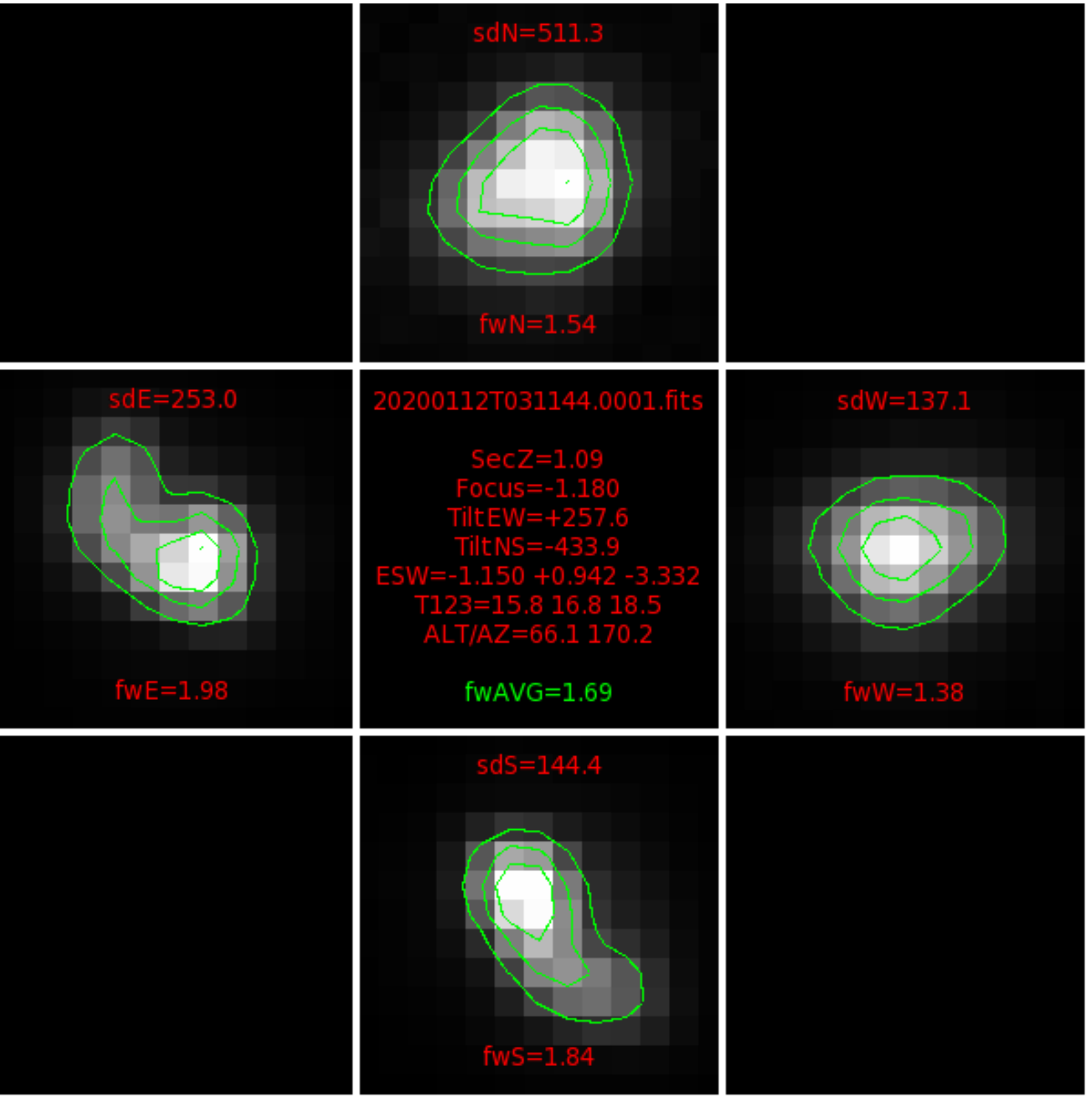
sdN=511.3
fwN=1.54
sdE=253.0
fwE=1.98
20200112T031144.0001.fits
SecZ=1.09
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.8 16.8 18.5
ALT/AZ=66.1 170.2
fwAVG=1.69
sdW=137.1
fwW=1.38
sdS=144.4
fwS=1.84
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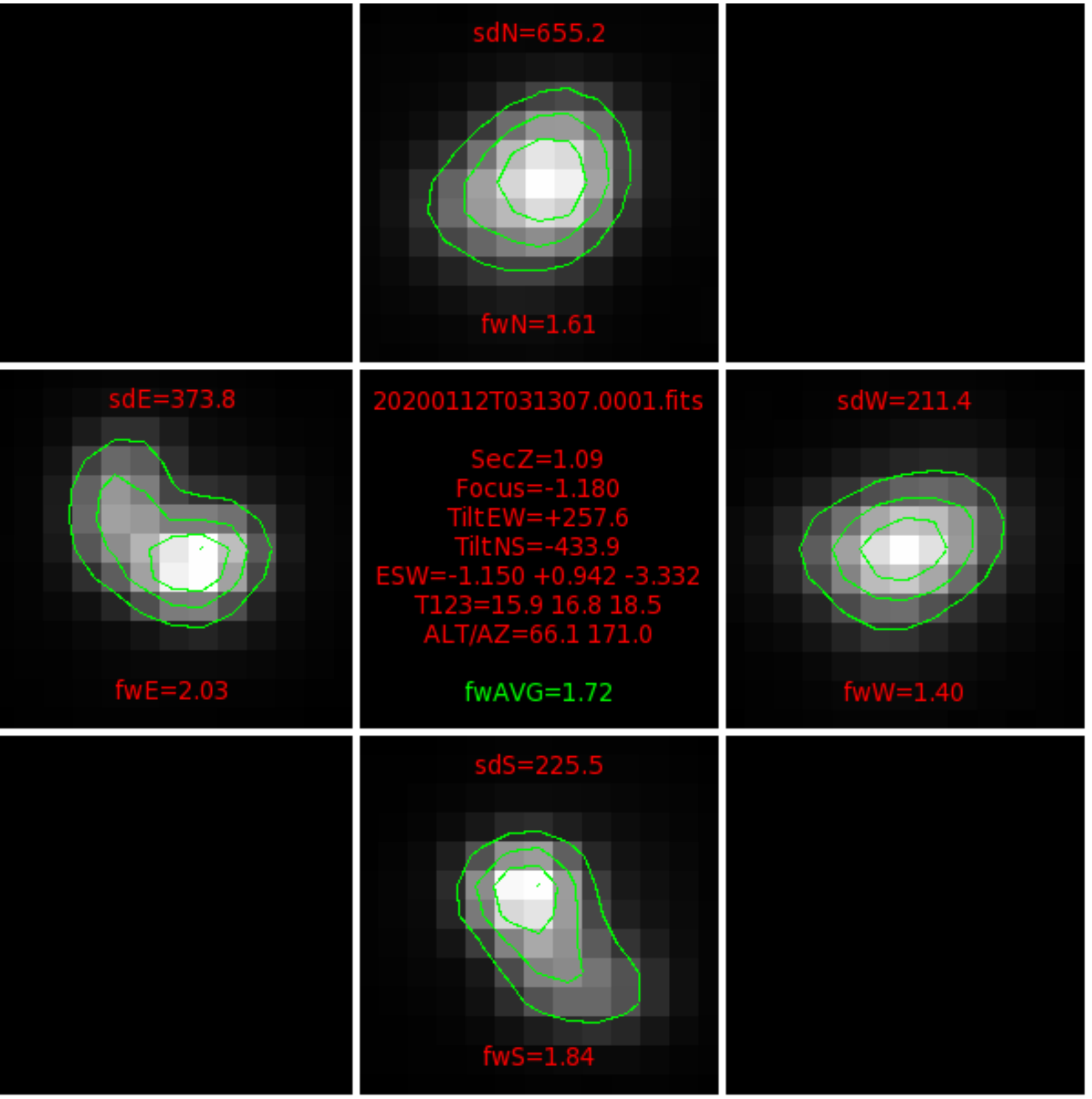
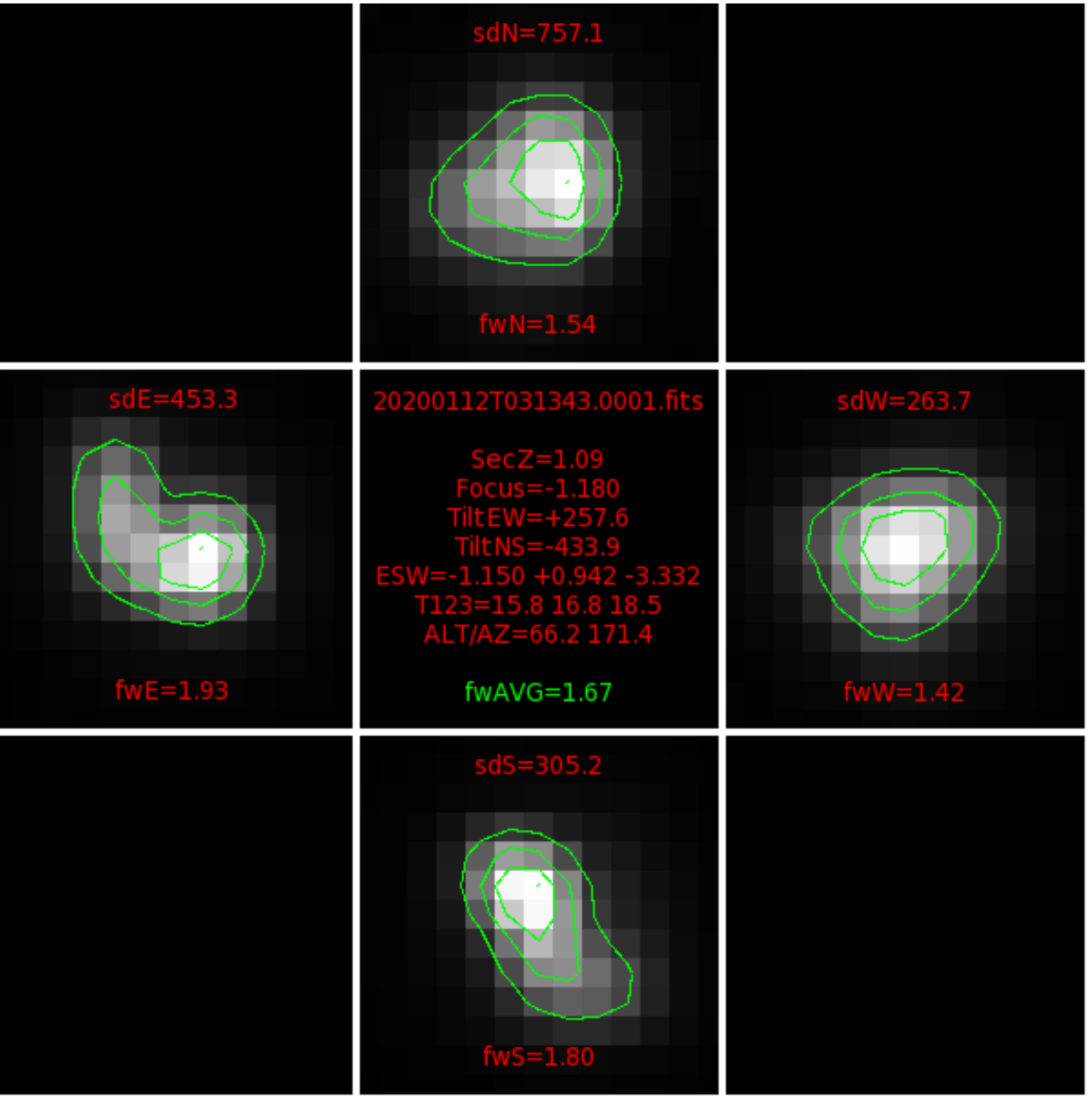

sdN=655.2
fwN=1.61
sdE=373.8
fwE=2.03
20200112T031307.0001.fits
SecZ=1.09
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.9 16.8 18.5
ALT/AZ=66.1 171.0
fwAVG=1.72
sdW=211.4
fwW=1.40
sdS=225.5
fwS=1.84
0 0 0 0 0 0 0 0 0


sdN=757.1
fwN=1.54
sdE=453.3
fwE=1.93
20200112T031343.0001.fits
SecZ=1.09
Focus=-1.180
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.150 +0.942 -3.332
T123=15.8 16.8 18.5
ALT/AZ=66.2 171.4
fwAVG=1.67
sdW=263.7
fwW=1.42
sdS=305.2
fwS=1.80
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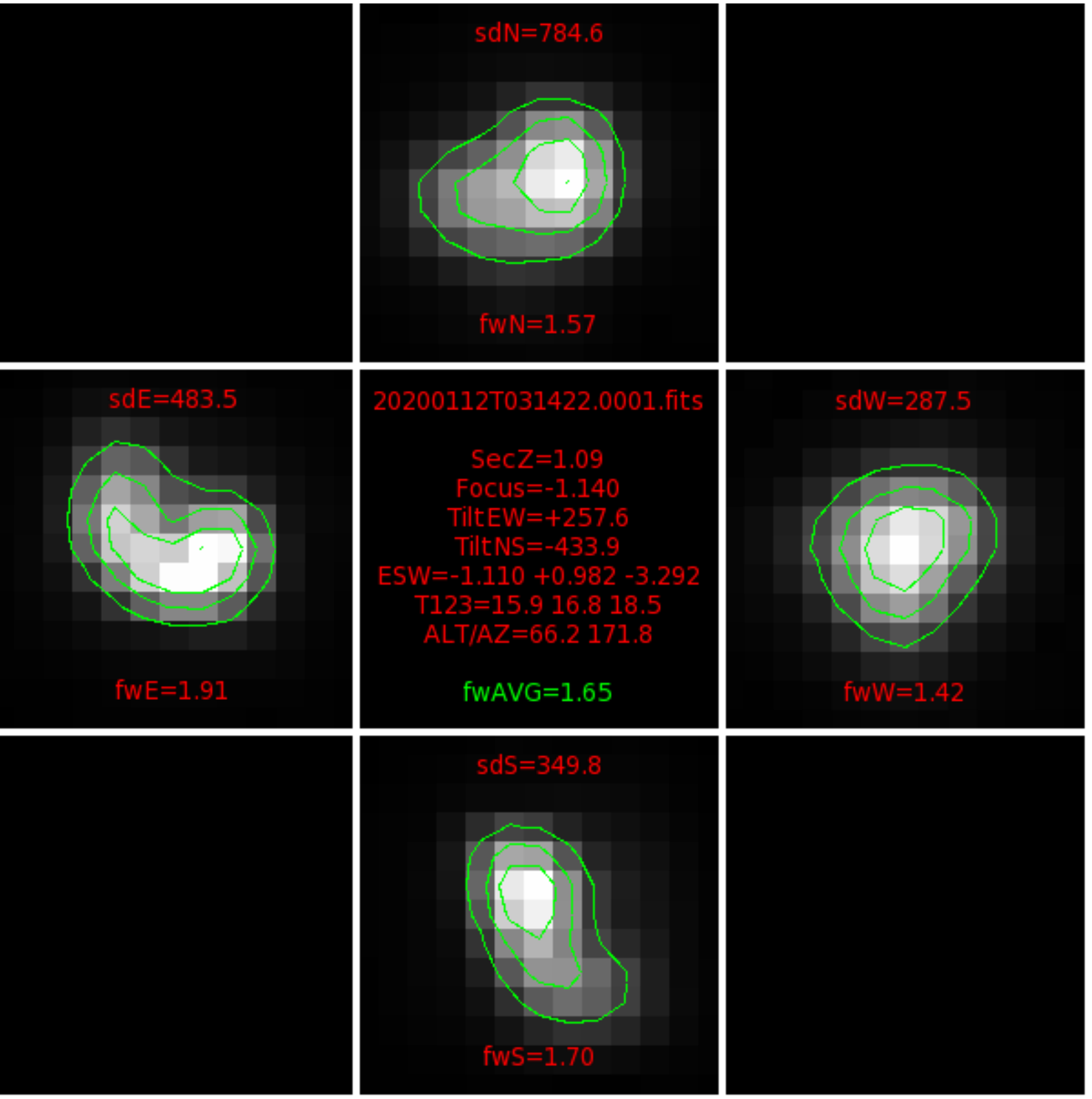
sdN=784.6
fwN=1.57
sdE=483.5
fwE=1.91
20200112T031422.0001.fits
SecZ=1.09
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.9 16.8 18.5
ALT/AZ=66.2 171.8
fwAVG=1.65
sdW=287.5
fwW=1.42
sdS=349.8
fwS=1.70
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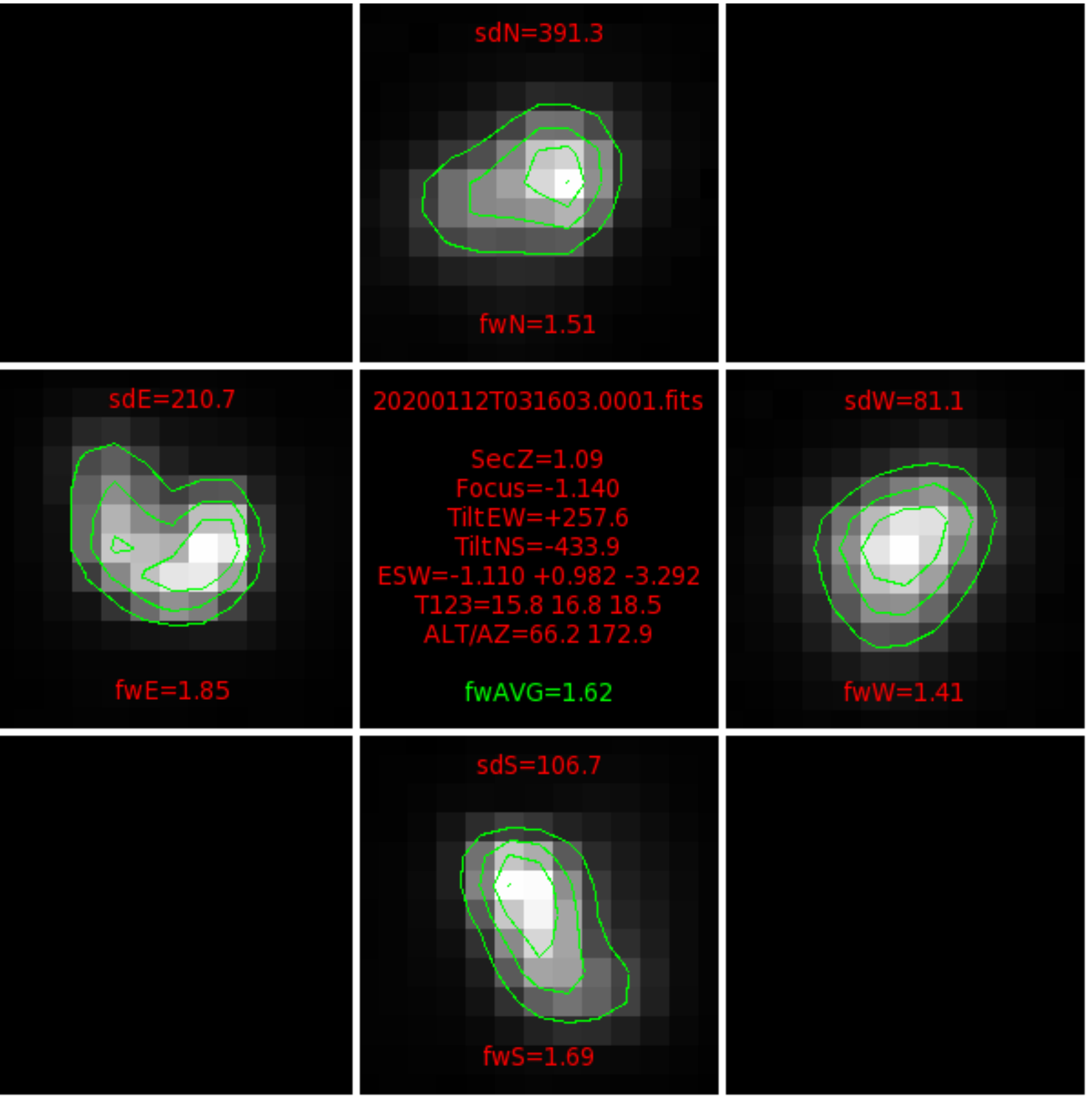
sdN=391.3
fwN=1.51
sdE=210.7
fwE=1.85
20200112T031603.0001.fits
SecZ=1.09
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.8 16.8 18.5
ALT/AZ=66.2 172.9
fwAVG=1.62
sdW=81.1
fwW=1.41
sdS=106.7
fwS=1.69
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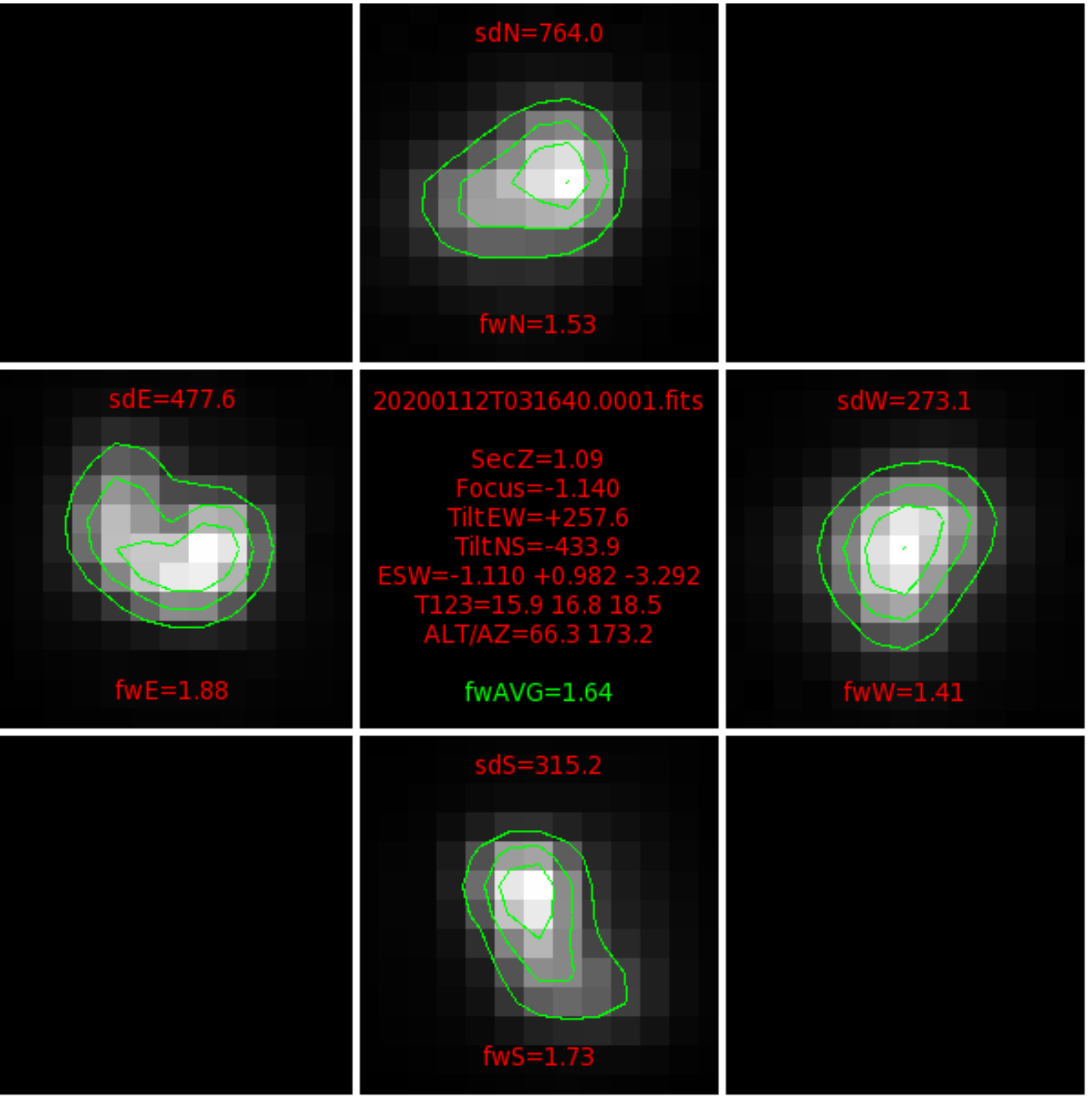
sdN=764.0
fwN=1.53
sdE=477.6
fwE=1.88
20200112T031640.0001.fits
SecZ=1.09
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.9 16.8 18.5
ALT/AZ=66.3 173.2
fwAVG=1.64
sdW=273.1
fwW=1.41
sdS=315.2
fwS=1.73
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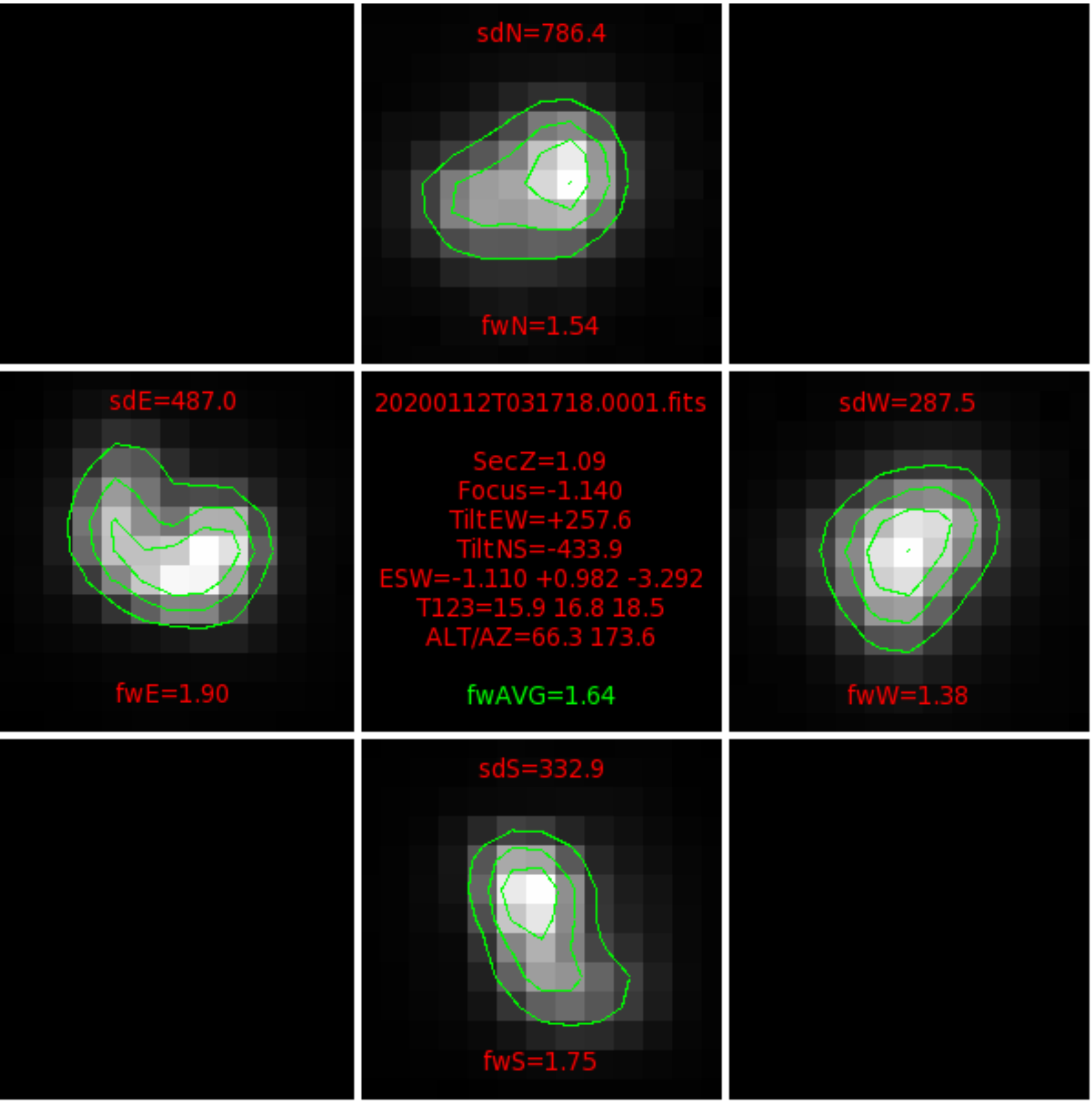
sdN=786.4
fwN=1.54
sdE=487.0
fwE=1.90
20200112T031718.0001.fits
SecZ=1.09
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.9 16.8 18.5
ALT/AZ=66.3 173.6
fwAVG=1.64
sdW=287.5
fwW=1.38
sdS=332.9
fwS=1.75
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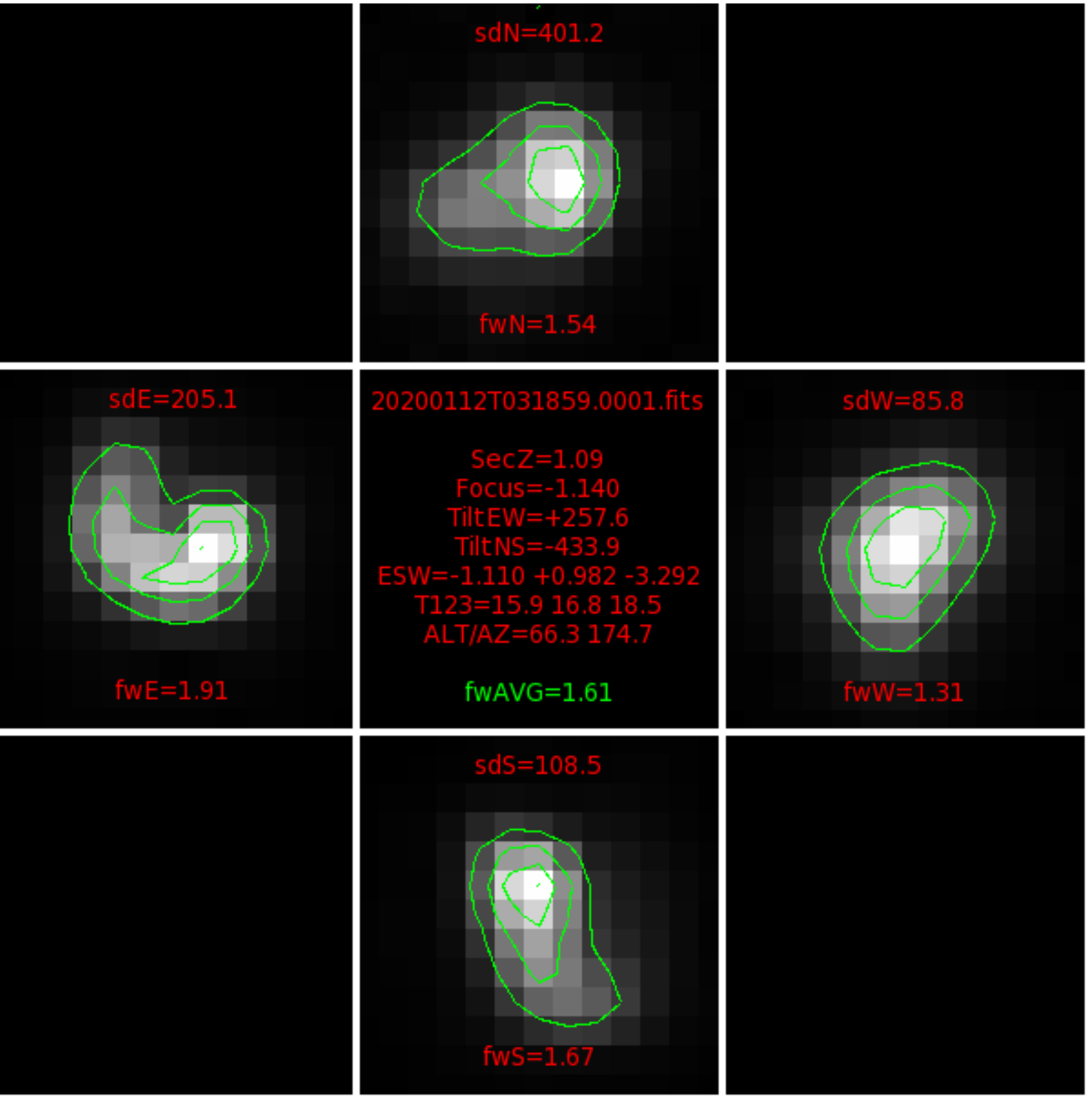
sdN=401.2
fwN=1.54
sdE=205.1
fwE=1.91
20200112T031859.0001.fits
SecZ=1.09
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.9 16.8 18.5
ALT/AZ=66.3 174.7
fwAVG=1.61
sdW=85.8
fwW=1.31
sdS=108.5
fwS=1.67
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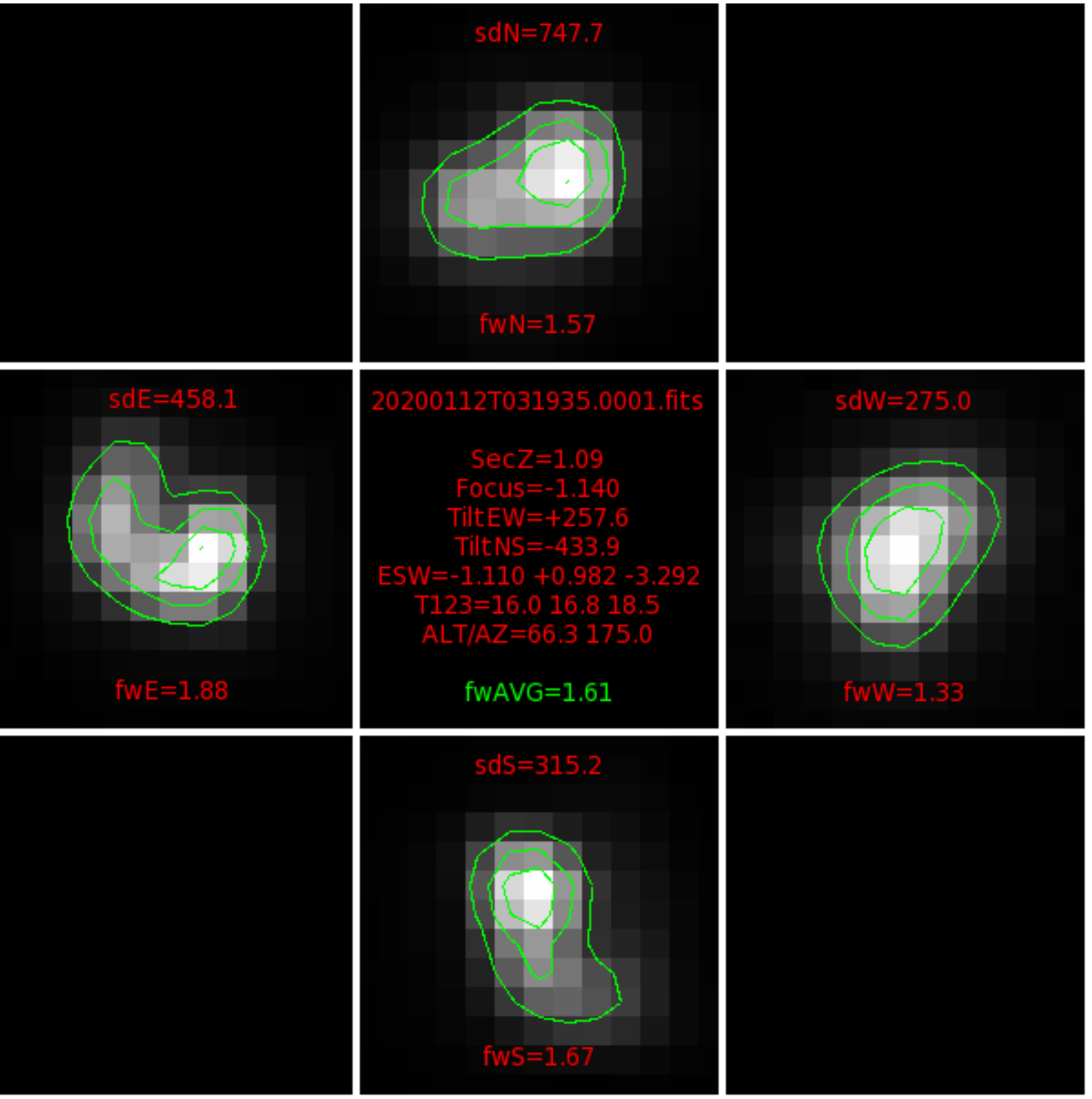
sdN=747.7
fwN=1.57
sdE=458.1
fwE=1.88
20200112T031935.0001.fits
SecZ=1.09
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=16.0 16.8 18.5
ALT/AZ=66.3 175.0
fwAVG=1.61
sdW=275.0
fwW=1.33
sdS=315.2
fwS=1.67
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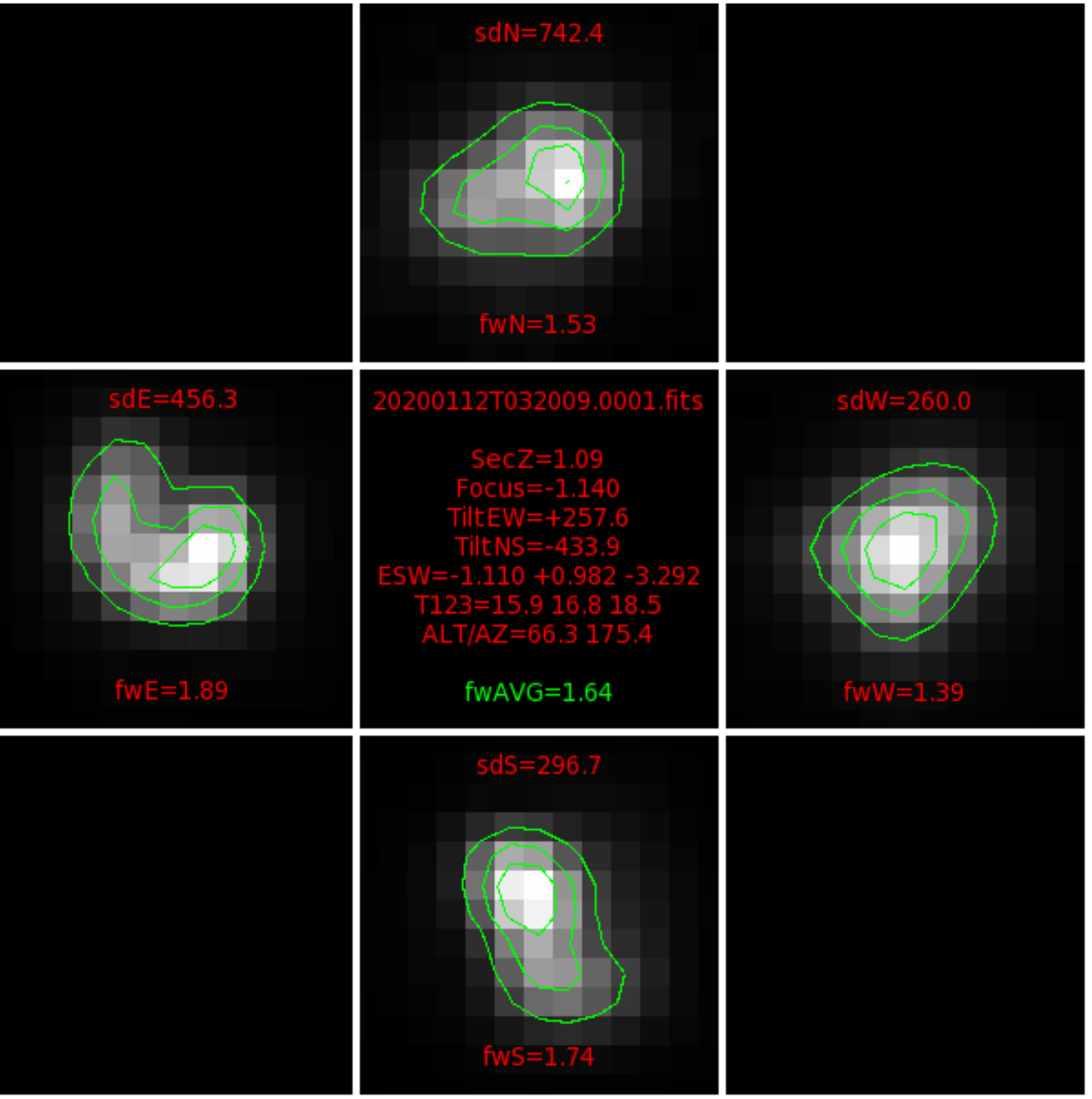
sdN=742.4
fwN=1.53
sdE=456.3
fwE=1.89
20200112T032009.0001.fits
SecZ=1.09
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=15.9 16.8 18.5
ALT/AZ=66.3 175.4
fwAVG=1.64
sdW=260.0
fwW=1.39
sdS=296.7
fwS=1.74
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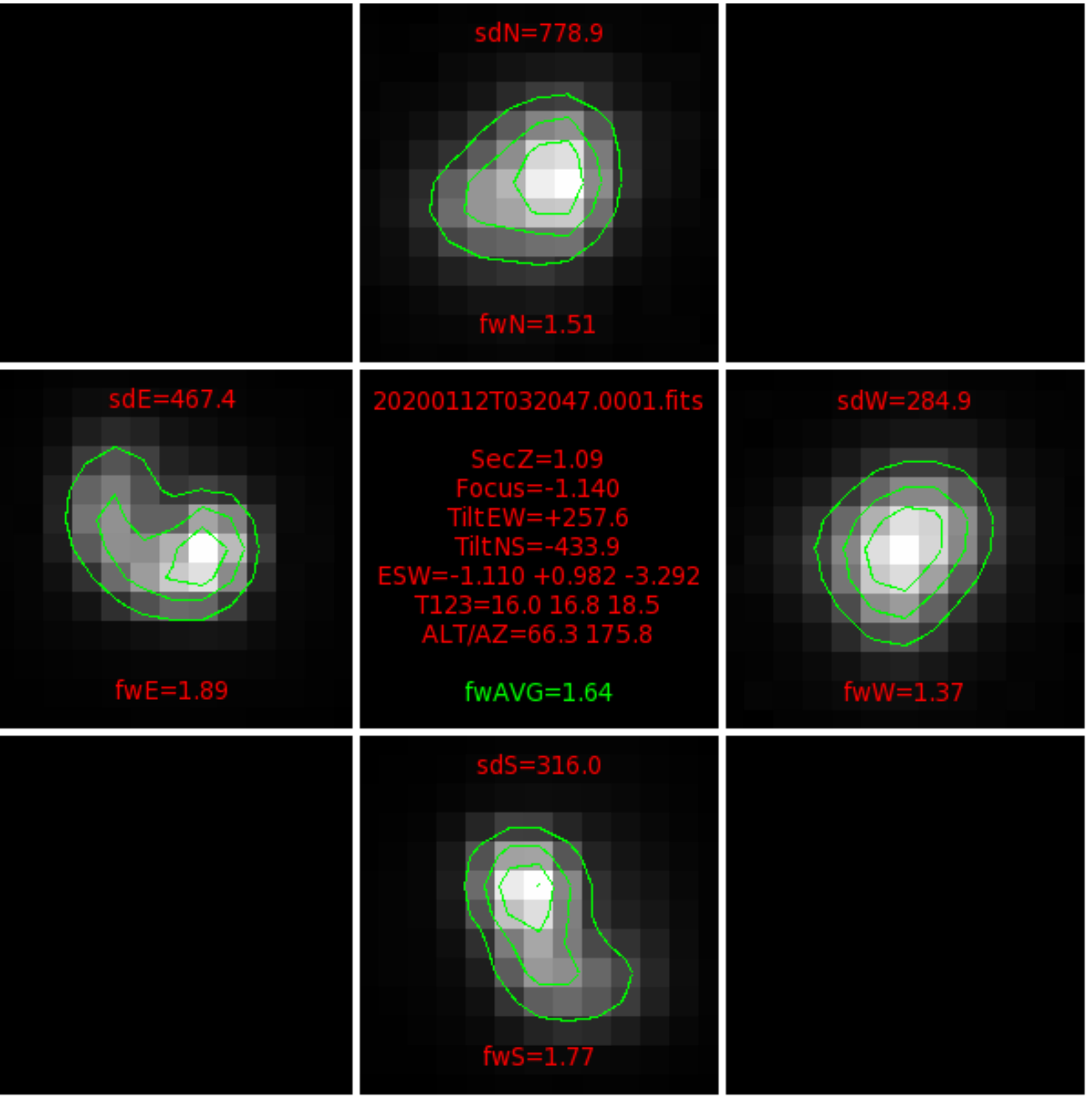
sdN=778.9
fwN=1.51
sdE=467.4
fwE=1.89
20200112T032047.0001.fits
SecZ=1.09
Focus=-1.140
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.110 +0.982 -3.292
T123=16.0 16.8 18.5
ALT/AZ=66.3 175.8
fwAVG=1.64
sdW=284.9
fwW=1.37
sdS=316.0
fwS=1.77
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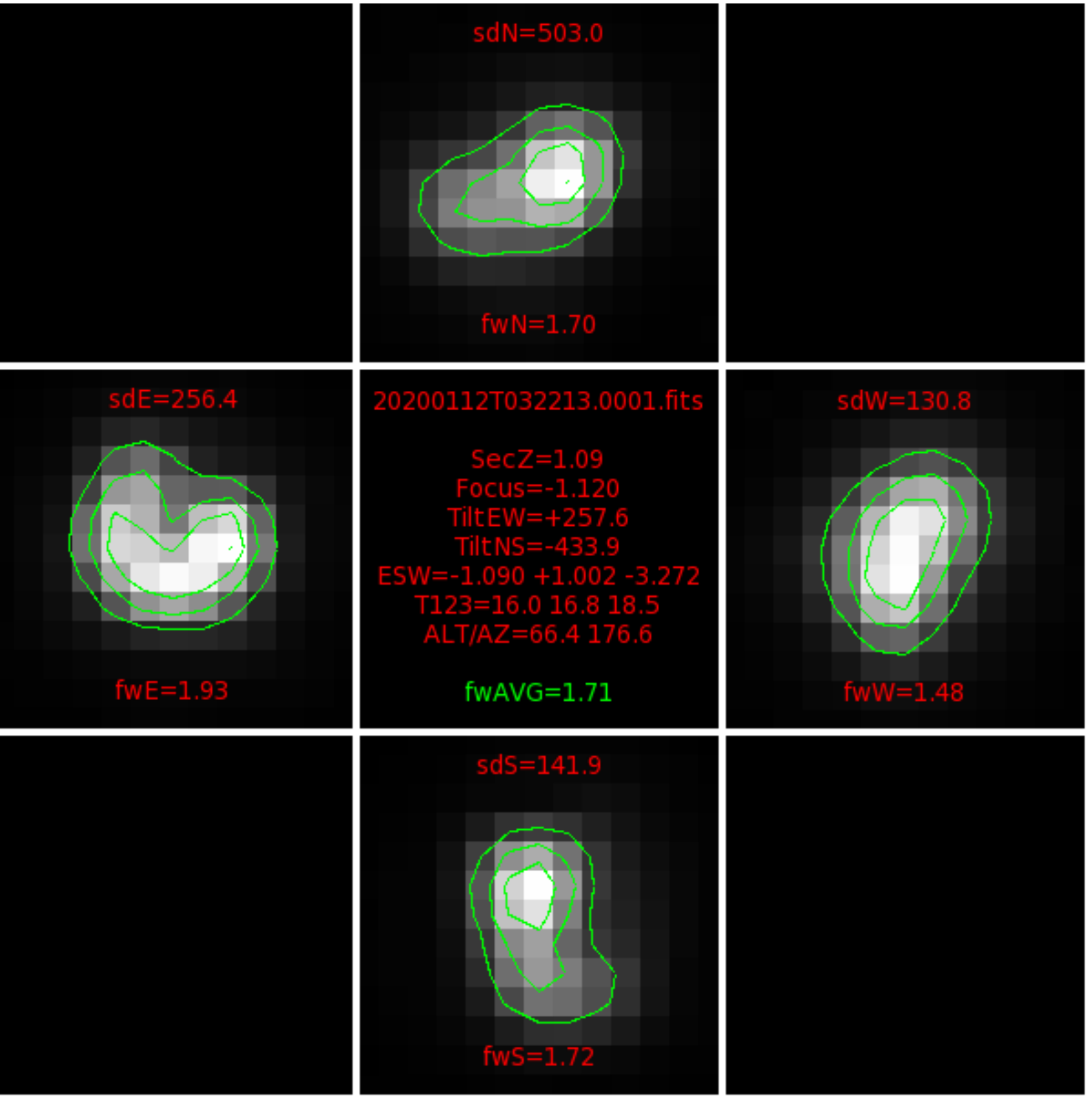
sdN=503.0
fwN=1.70
sdE=256.4
fwE=1.93
20200112T032213.0001.fits
SecZ=1.09
Focus=-1.120
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.090 +1.002 -3.272
T123=16.0 16.8 18.5
ALT/AZ=66.4 176.6
fwAVG=1.71
sdW=130.8
fwW=1.48
sdS=141.9
fwS=1.72
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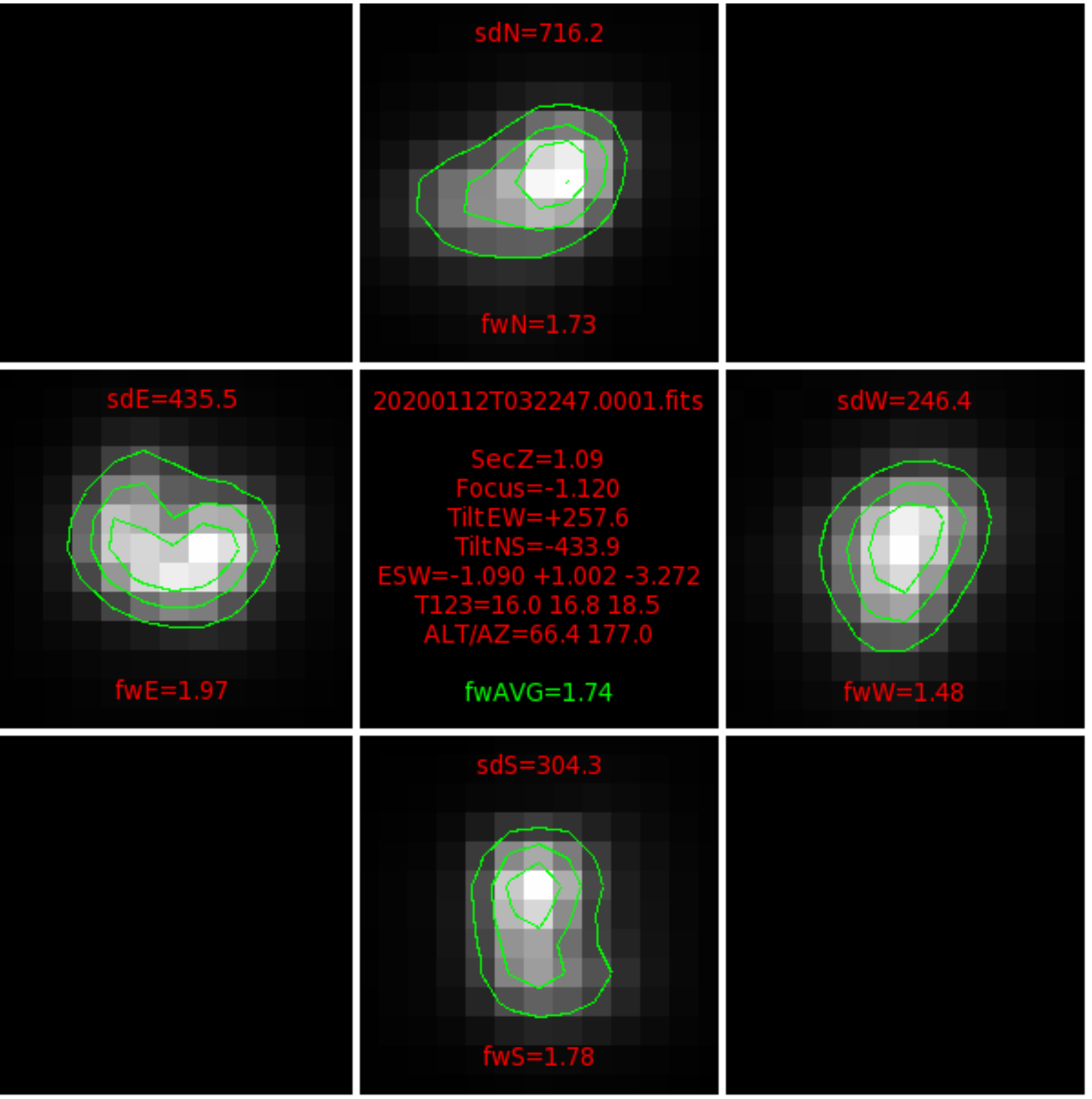
sdN=716.2
fwN=1.73
sdE=435.5
fwE=1.97
20200112T032247.0001.fits
SecZ=1.09
Focus=-1.120
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.090 +1.002 -3.272
T123=16.0 16.8 18.5
ALT/AZ=66.4 177.0
fwAVG=1.74
sdW=246.4
fwW=1.48
sdS=304.3
fwS=1.78
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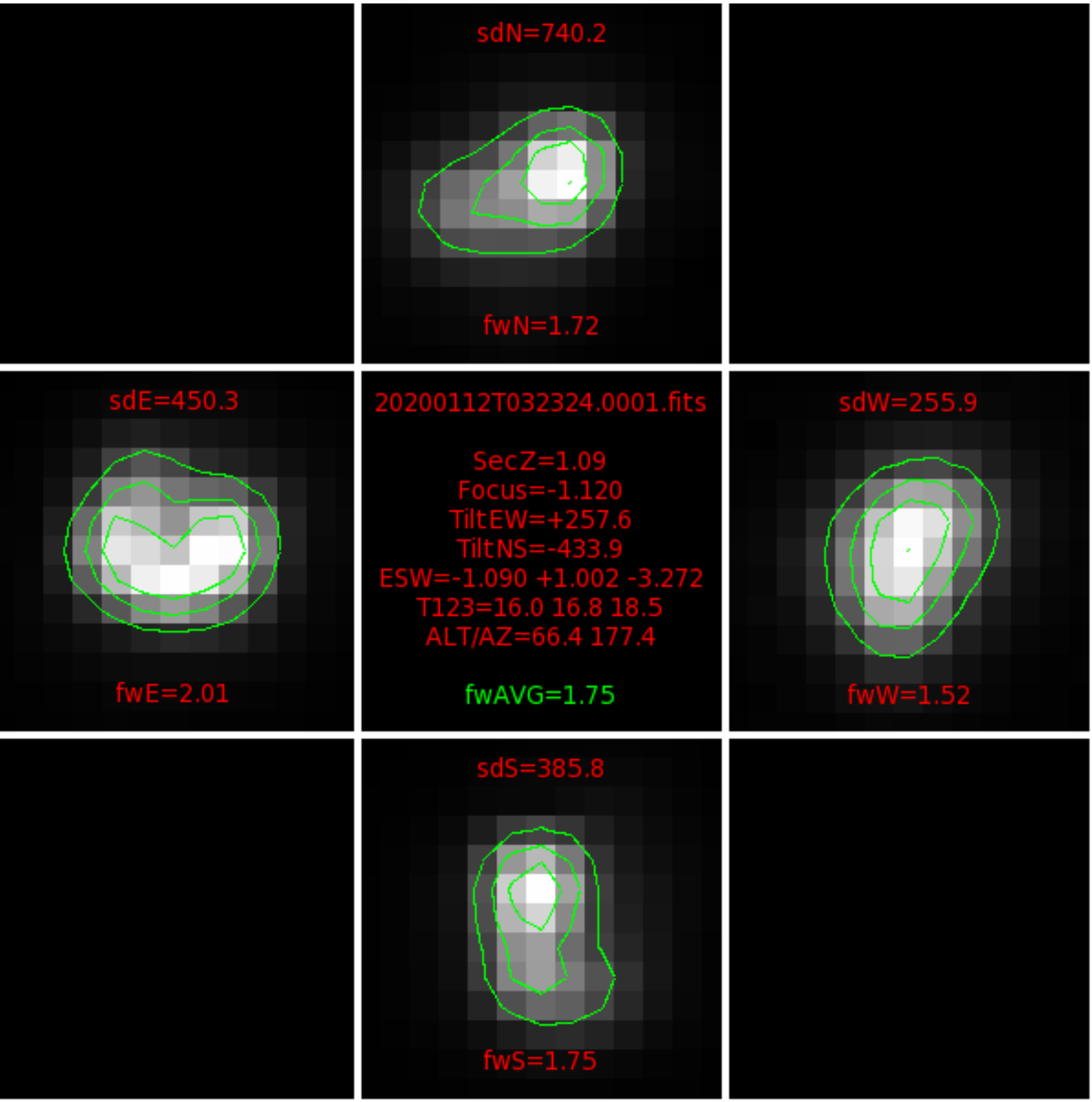
sdN=740.2
fwN=1.72
sdE=450.3
fwE=2.01
20200112T032324.0001.fits
SecZ=1.09
Focus=-1.120
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.090 +1.002 -3.272
T123=16.0 16.8 18.5
ALT/AZ=66.4 177.4
fwAVG=1.75
sdW=255.9
fwW=1.52
sdS=385.8
fwS=1.75
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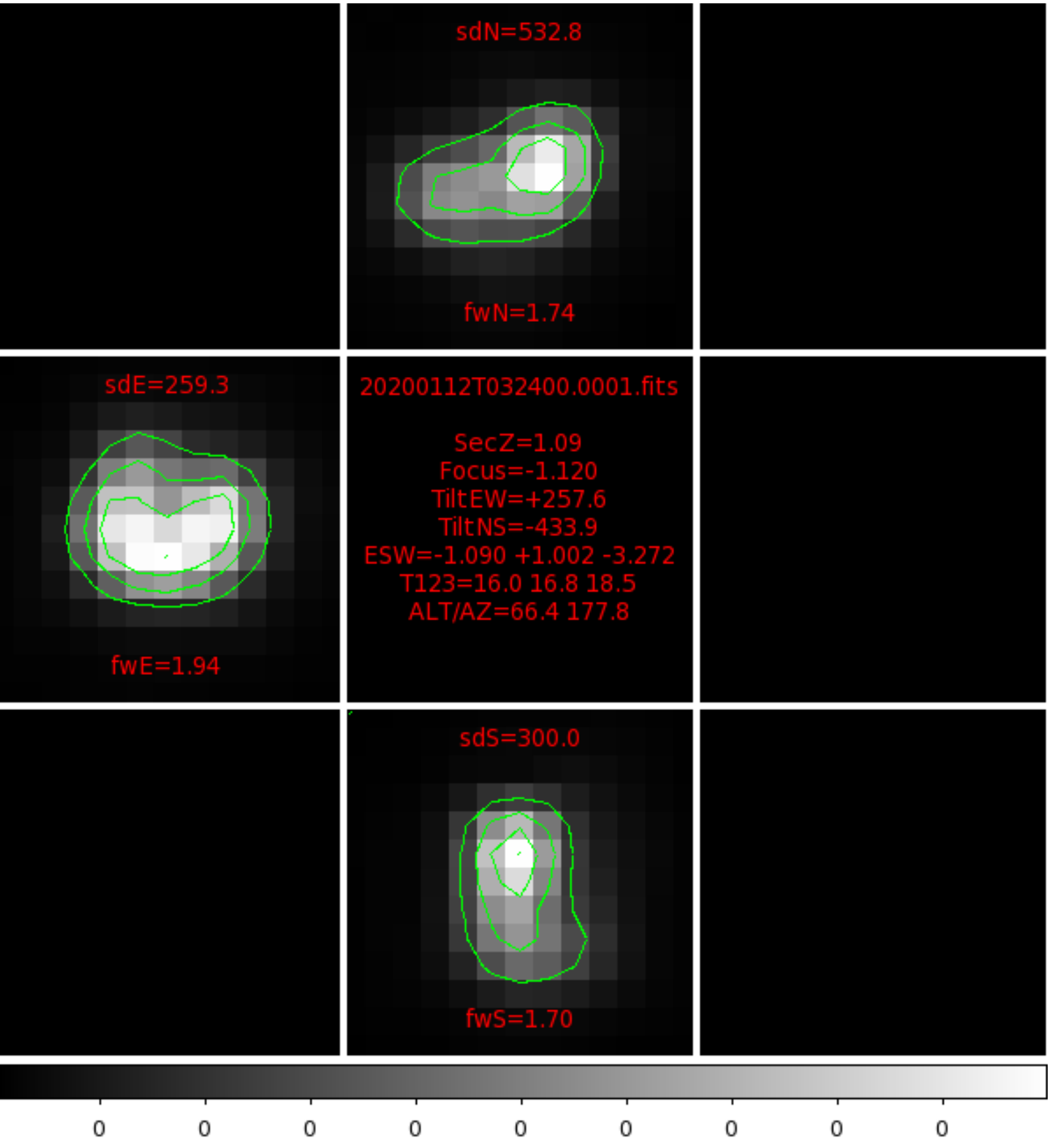
sdN=532.8
fwN=1.74
sdE=259.3
fwE=1.94
20200112T032400.0001.fits
SecZ=1.09
Focus=-1.120
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.090 +1.002 -3.272
T123=16.0 16.8 18.5
ALT/AZ=66.4 177.8
sdS=300.0
fwS=1.70
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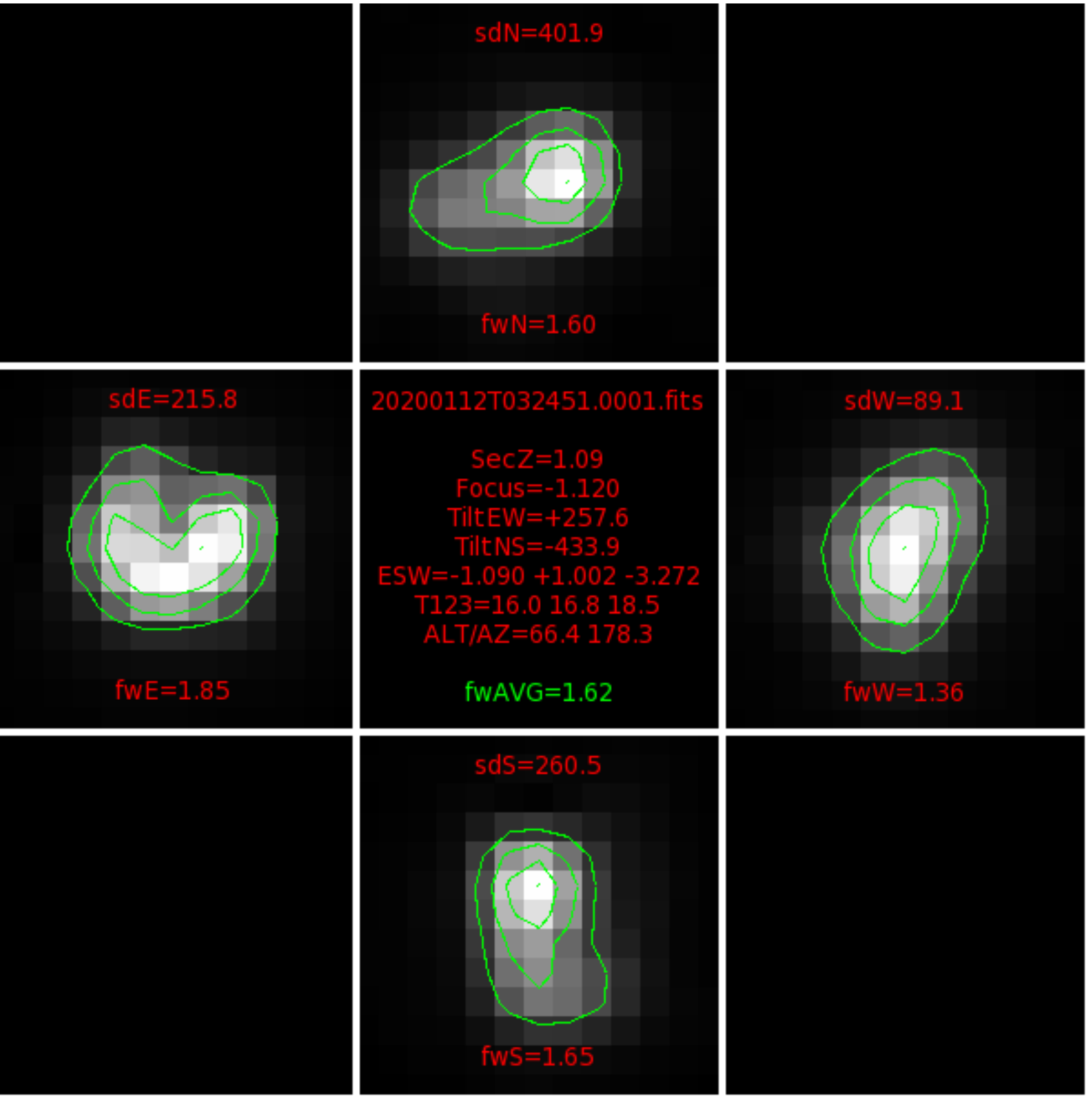
sdN=401.9
fwN=1.60
sdE=215.8
fwE=1.85
20200112T032451.0001.fits
SecZ=1.09
Focus=-1.120
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.090 +1.002 -3.272
T123=16.0 16.8 18.5
ALT/AZ=66.4 178.3
fwAVG=1.62
sdW=89.1
fwW=1.36
sdS=260.5
fwS=1.65
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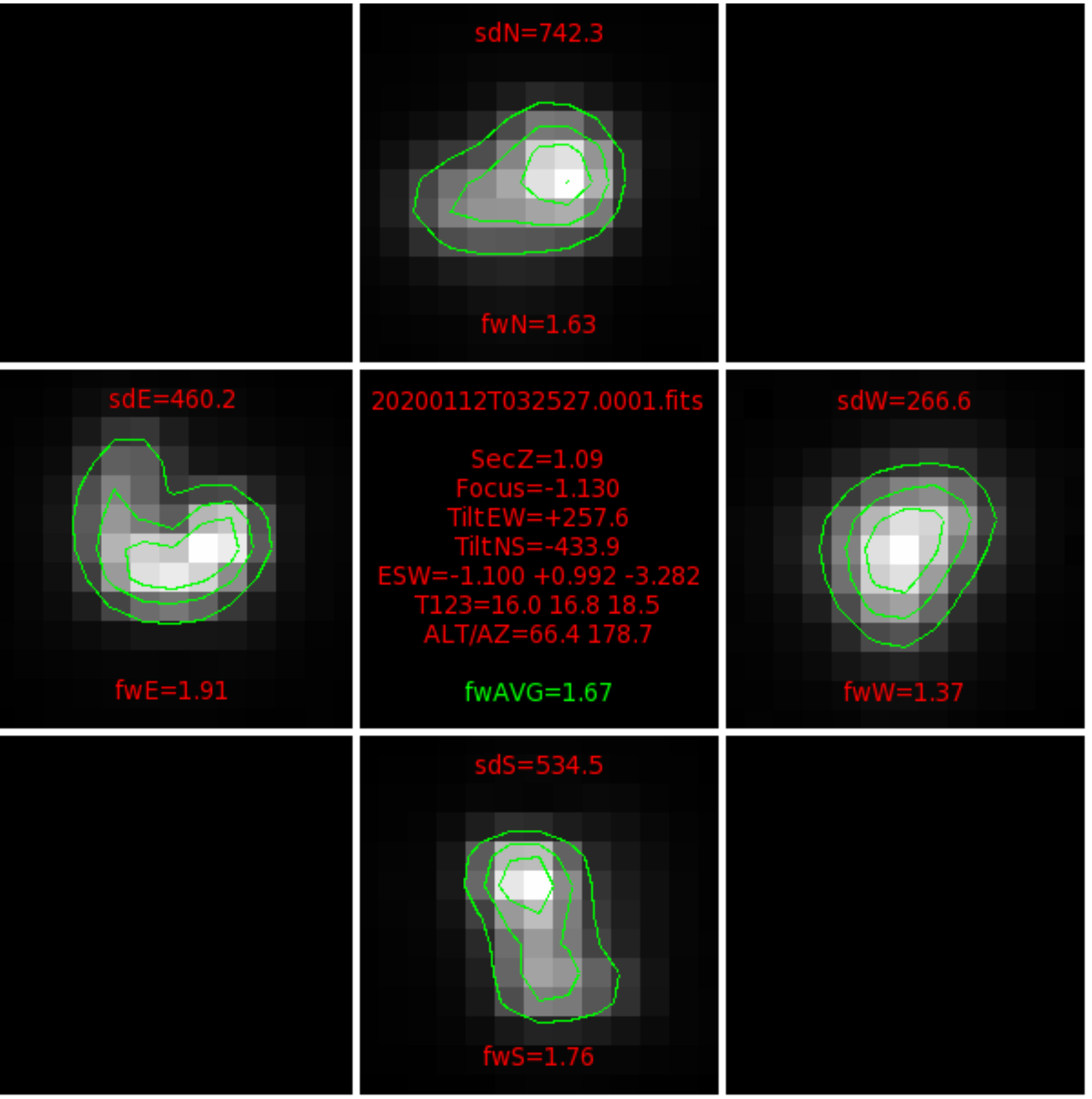
sdN=742.3
fwN=1.63
sdE=460.2
fwE=1.91
20200112T032527.0001.fits
SecZ=1.09
Focus=-1.130
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.100 +0.992 -3.282
T123=16.0 16.8 18.5
ALT/AZ=66.4 178.7
fwAVG=1.67
sdW=266.6
fwW=1.37
sdS=534.5
fwS=1.76
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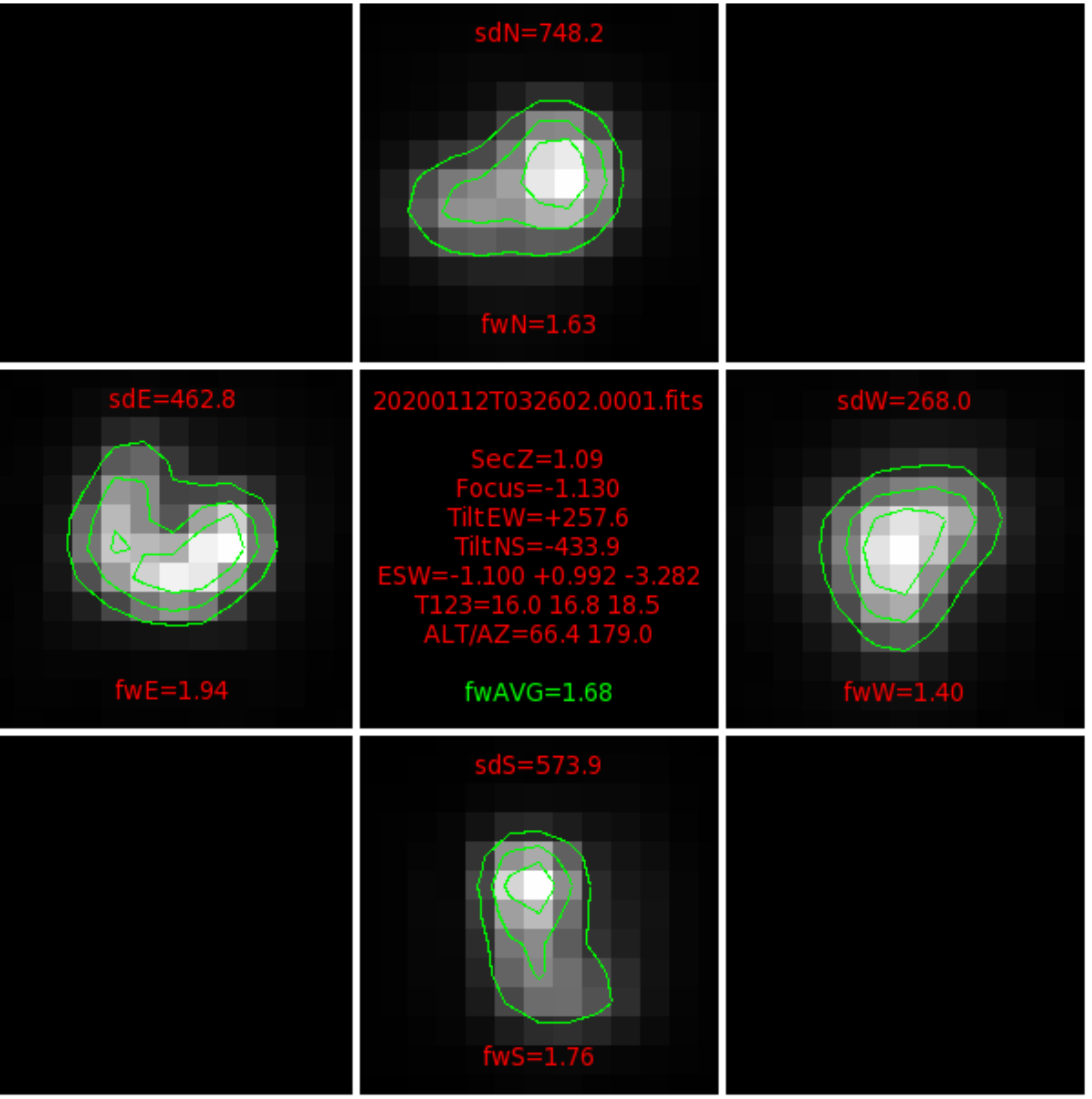
sdN=748.2
fwN=1.63
sdE=462.8
fwE=1.94
20200112T032602.0001.fits
SecZ=1.09
Focus=-1.130
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.100 +0.992 -3.282
T123=16.0 16.8 18.5
ALT/AZ=66.4 179.0
fwAVG=1.68
sdW=268.0
fwW=1.40
sdS=573.9
fwS=1.76
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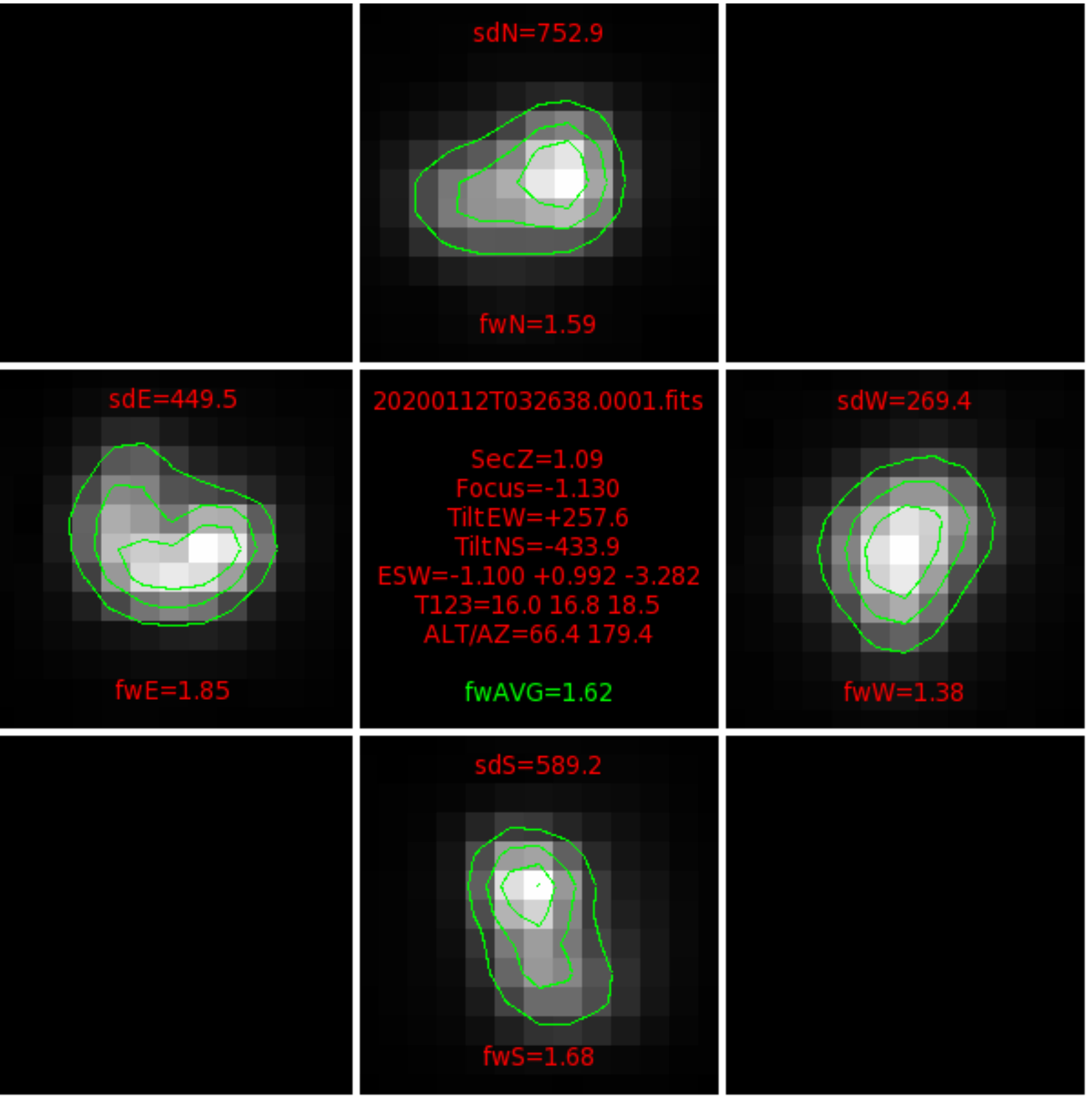
sdN=752.9
fwN=1.59
sdE=449.5
fwE=1.85
20200112T032638.0001.fits
SecZ=1.09
Focus=-1.130
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.100 +0.992 -3.282
T123=16.0 16.8 18.5
ALT/AZ=66.4 179.4
fwAVG=1.62
sdW=269.4
fwW=1.38
sdS=589.2
fwS=1.68
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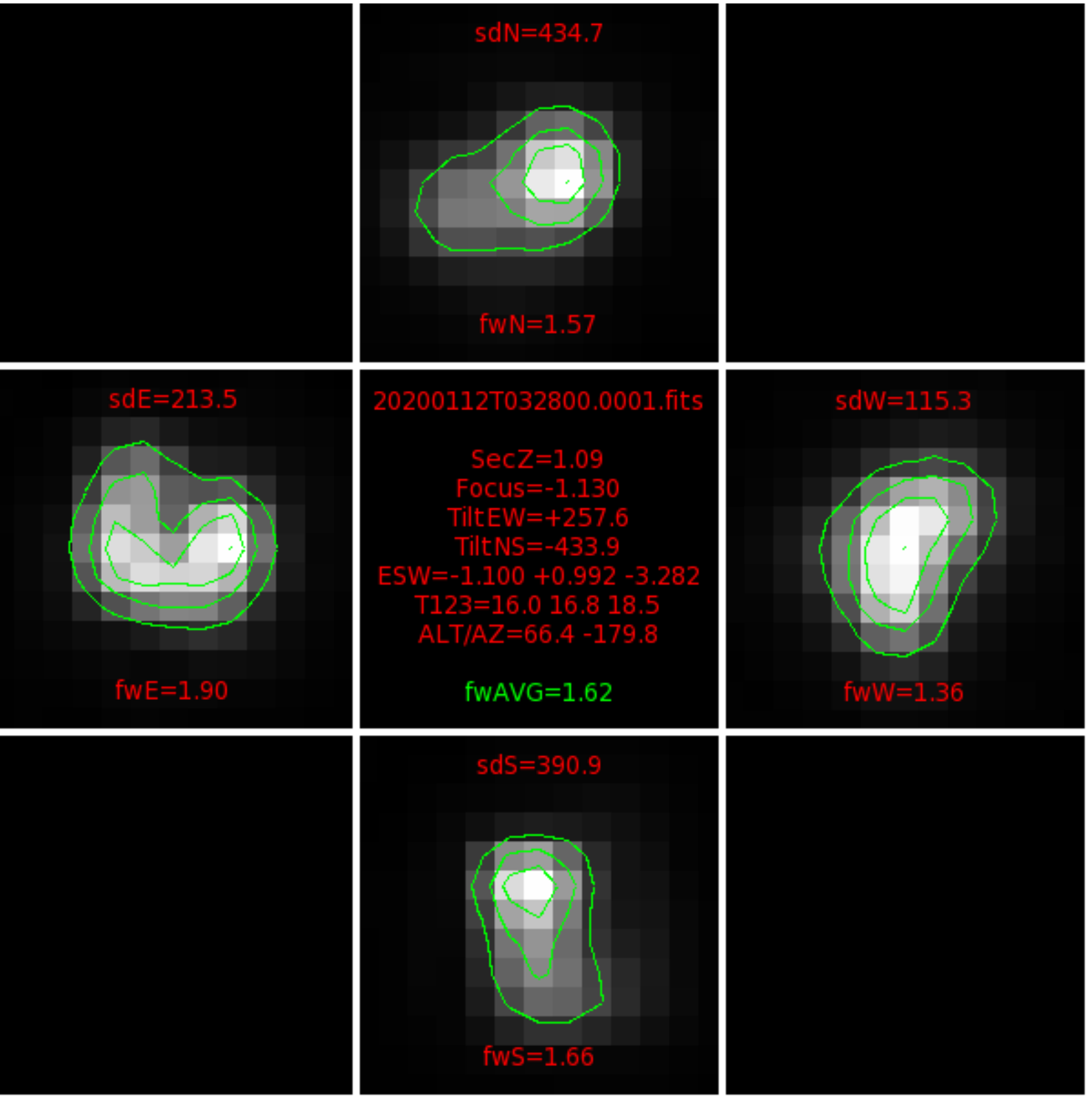
sdN=434.7
fwN=1.57
sdE=213.5
fwE=1.90
20200112T032800.0001.fits
SecZ=1.09
Focus=-1.130
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.100 +0.992 -3.282
T123=16.0 16.8 18.5
ALT/AZ=66.4 -179.8
fwAVG=1.62
sdW=115.3
fwW=1.36
sdS=390.9
fwS=1.66
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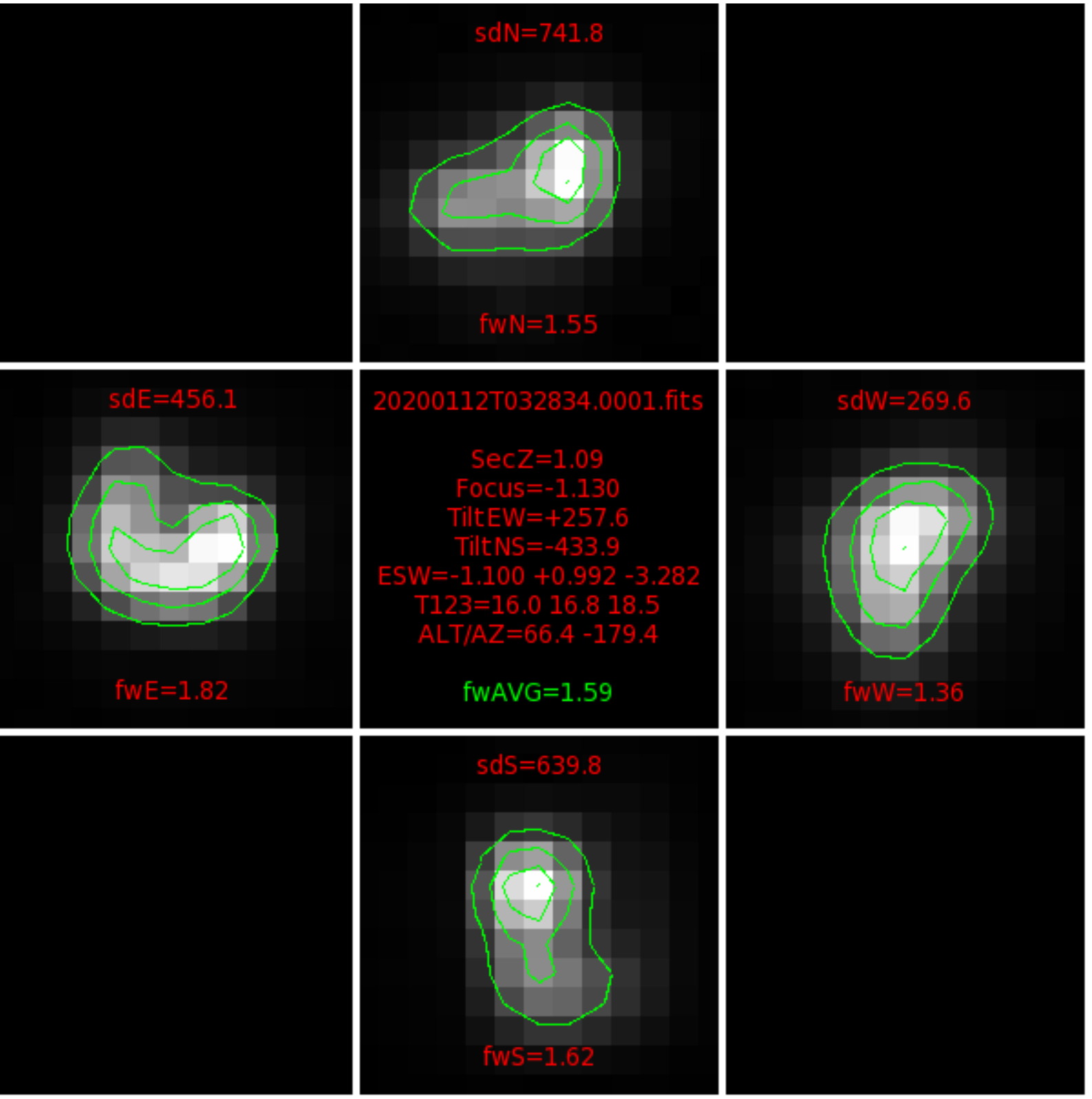
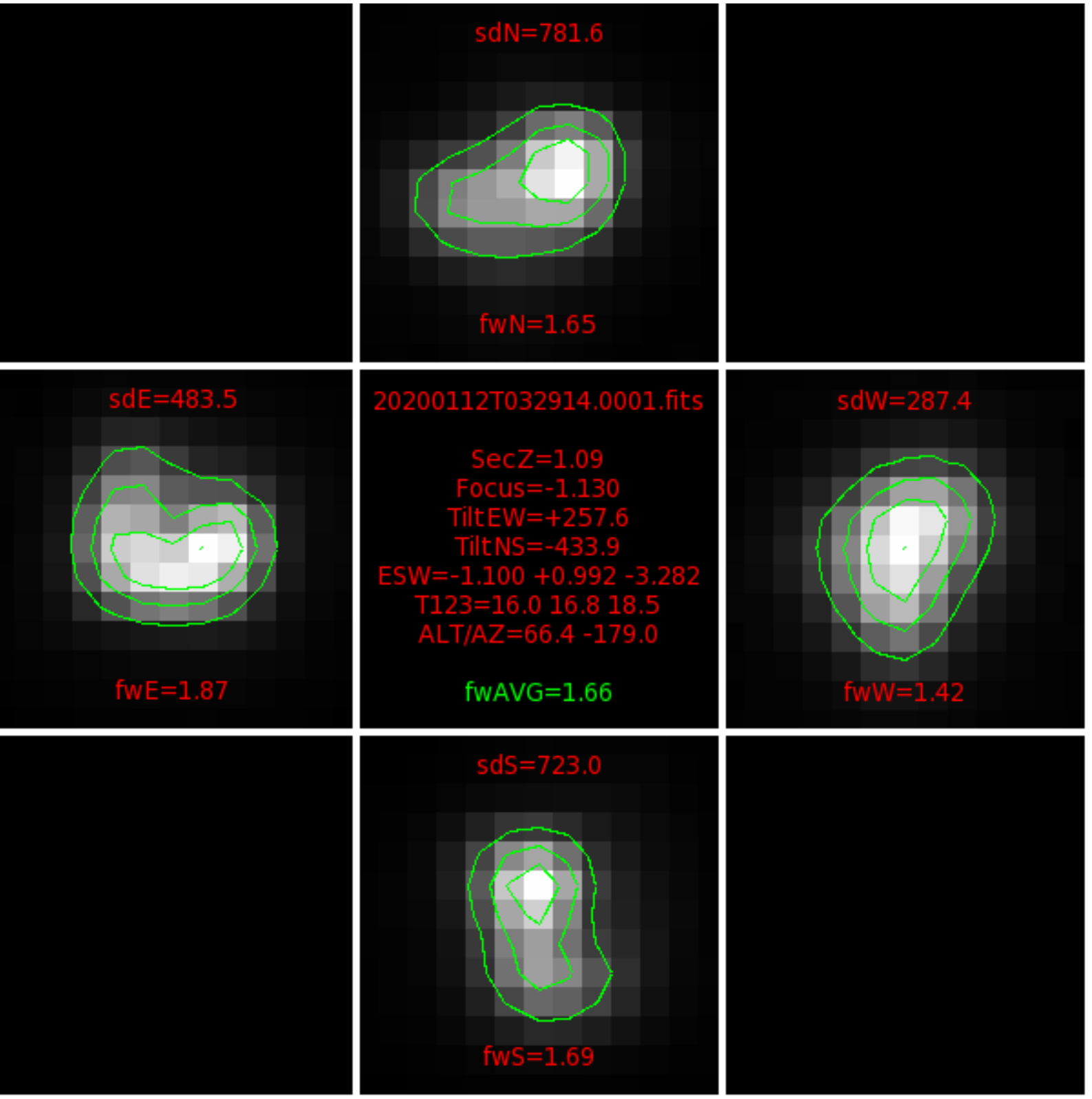

sdN=741.8
fwN=1.55
sdE=456.1
fwE=1.82
20200112T032834.0001.fits
SecZ=1.09
Focus=-1.130
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.100 +0.992 -3.282
T123=16.0 16.8 18.5
ALT/AZ=66.4 -179.4
fwAVG=1.59
sdW=269.6
fwW=1.36
sdS=639.8
fwS=1.62
0 0 0 0 0 0 0 0 0


sdN=781.6
fwN=1.65
sdE=483.5
fwE=1.87
20200112T032914.0001.fits
SecZ=1.09
Focus=-1.130
TiltEW=+257.6
TiltNS=-433.9
ESW=-1.100 +0.992 -3.282
T123=16.0 16.8 18.5
ALT/AZ=66.4 -179.0
fwAVG=1.66
sdW=287.4
fwW=1.42
sdS=723.0
fwS=1.69
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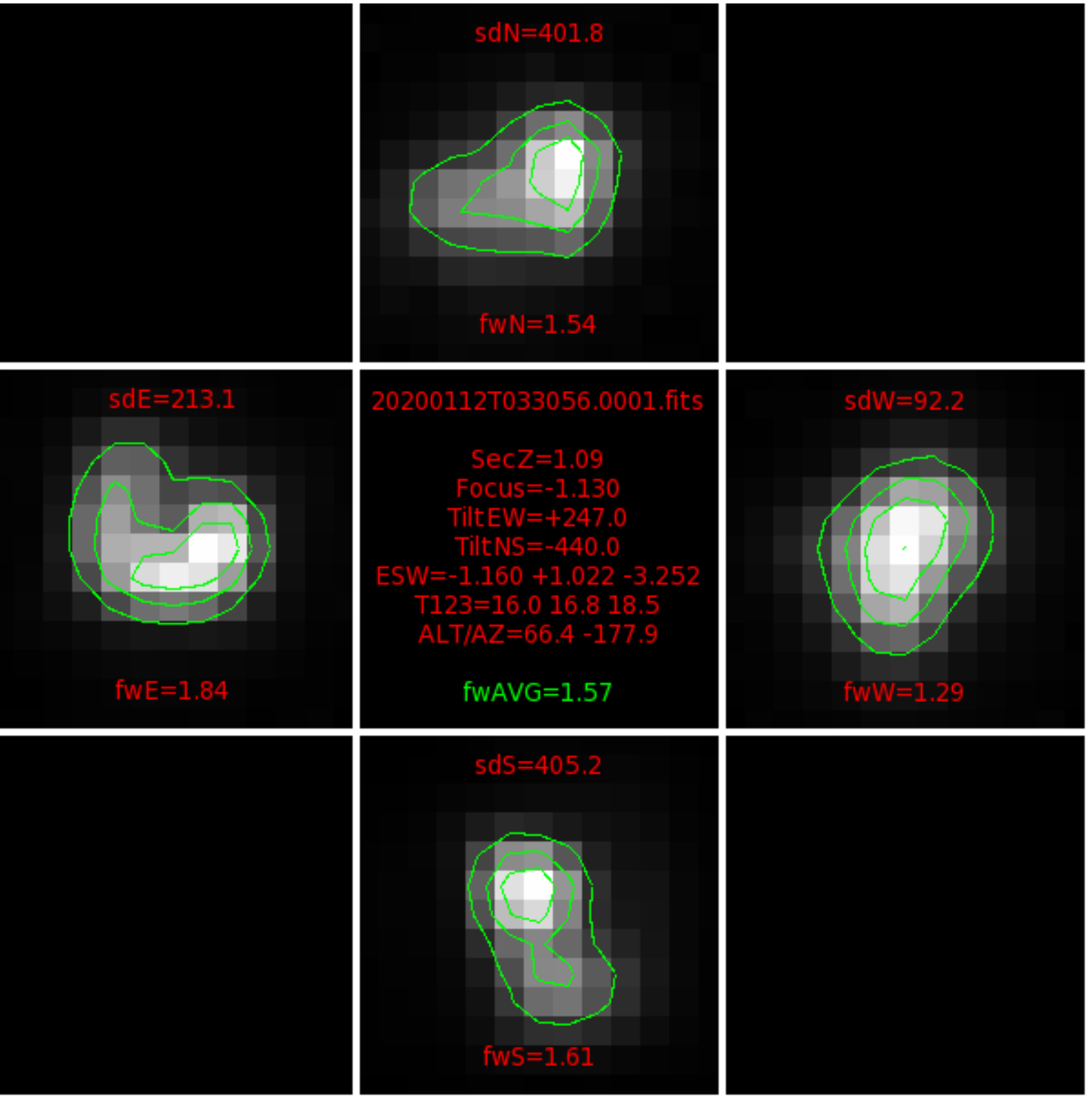
sdN=401.8
fwN=1.54
sdE=213.1
fwE=1.84
20200112T033056.0001.fits
SecZ=1.09
Focus=-1.130
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.160 +1.022 -3.252
T123=16.0 16.8 18.5
ALT/AZ=66.4 -177.9
fwAVG=1.57
sdW=92.2
fwW=1.29
sdS=405.2
fwS=1.61
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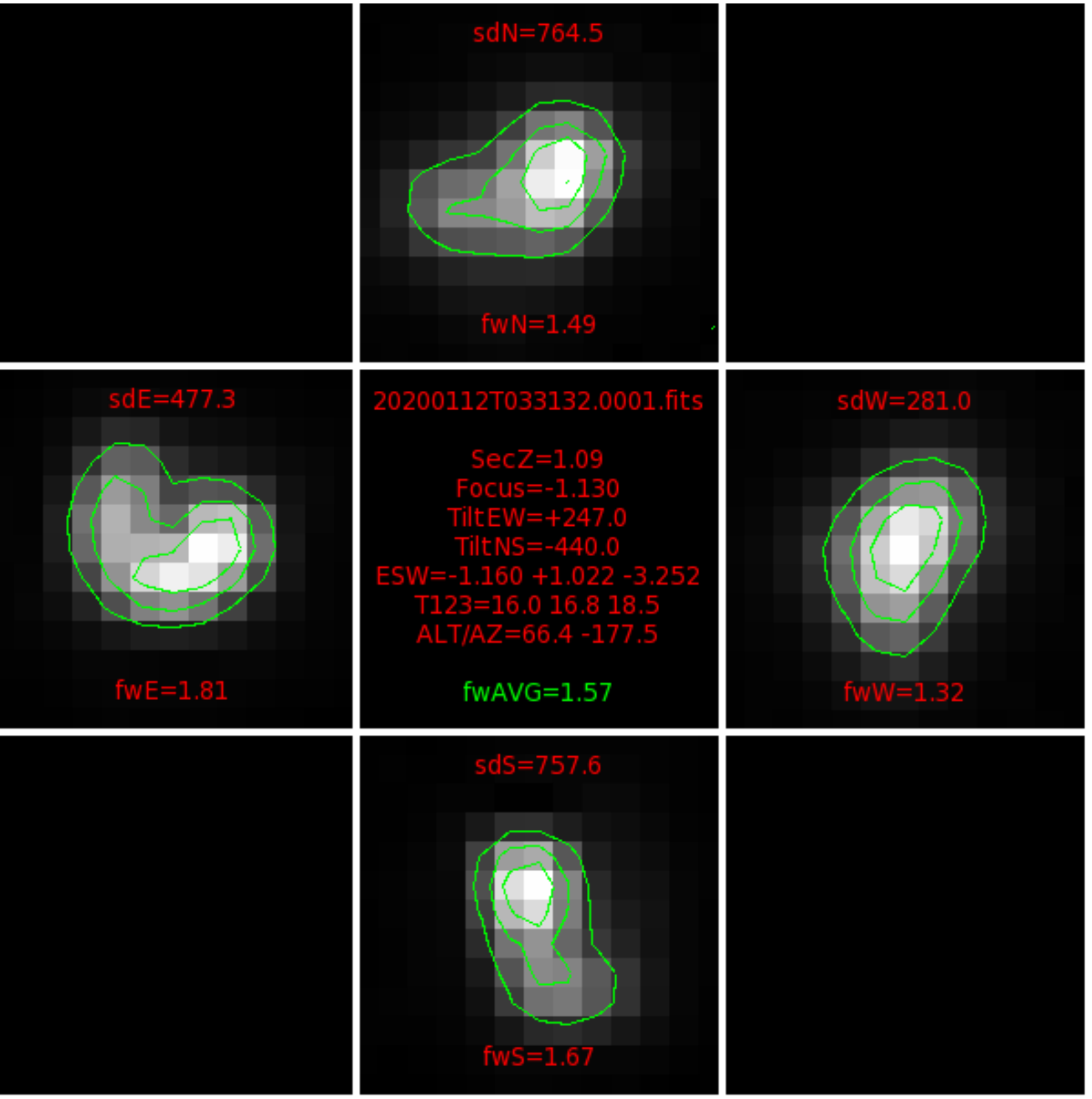
sdN=764.5
fwN=1.49
sdE=477.3
fwE=1.81
20200112T033132.0001.fits
SecZ=1.09
Focus=-1.130
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.160 +1.022 -3.252
T123=16.0 16.8 18.5
ALT/AZ=66.4 -177.5
fwAVG=1.57
sdW=281.0
fwW=1.32
sdS=757.6
fwS=1.67
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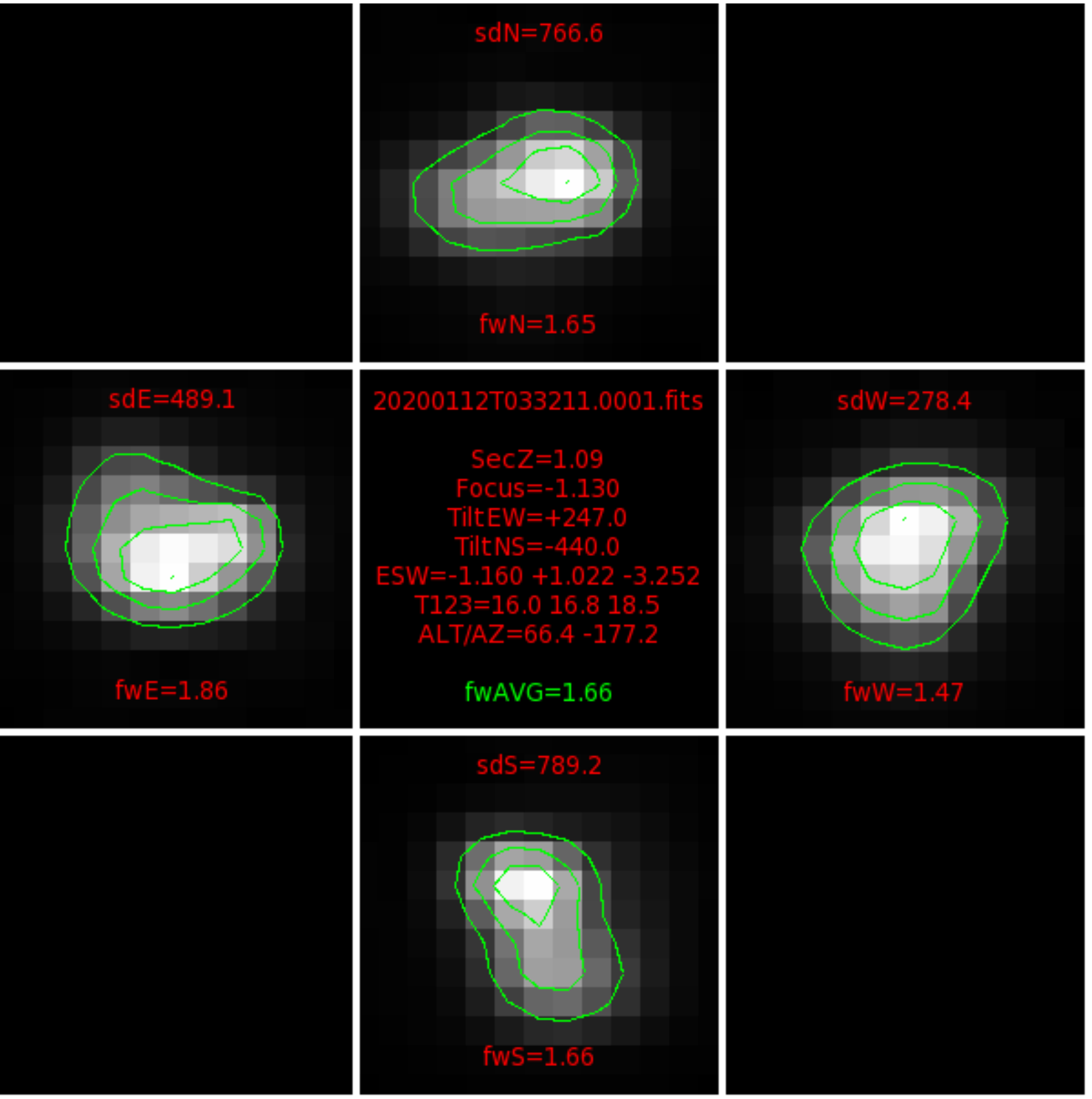
sdN=766.6
fwN=1.65
sdE=489.1
fwE=1.86
20200112T033211.0001.fits
SecZ=1.09
Focus=-1.130
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.160 +1.022 -3.252
T123=16.0 16.8 18.5
ALT/AZ=66.4 -177.2
fwAVG=1.66
sdW=278.4
fwW=1.47
sdS=789.2
fwS=1.66
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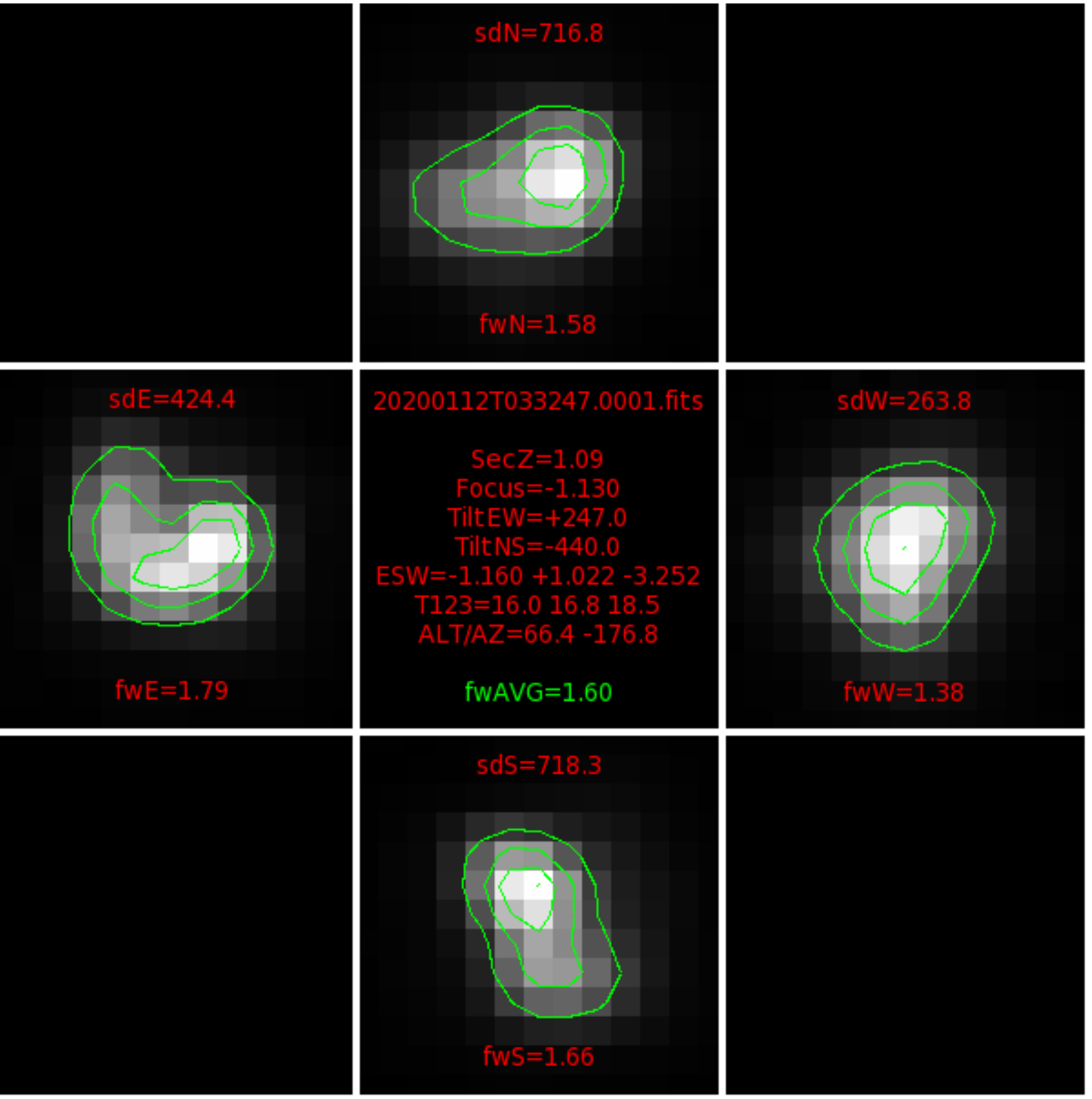
sdN=716.8
fwN=1.58
sdE=424.4
fwE=1.79
20200112T033247.0001.fits
SecZ=1.09
Focus=-1.130
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.160 +1.022 -3.252
T123=16.0 16.8 18.5
ALT/AZ=66.4 -176.8
fwAVG=1.60
sdW=263.8
fwW=1.38
sdS=718.3
fwS=1.66
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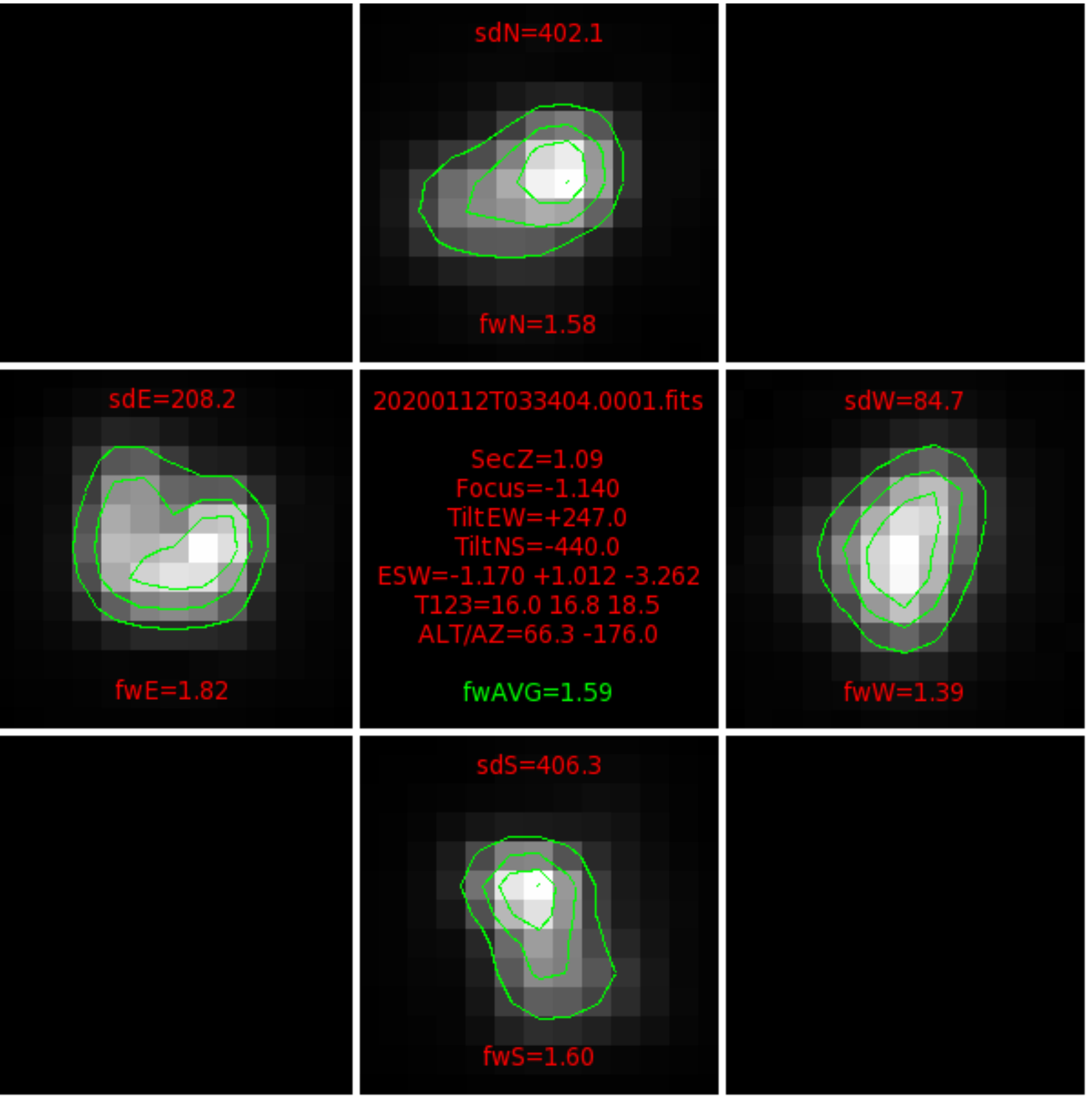
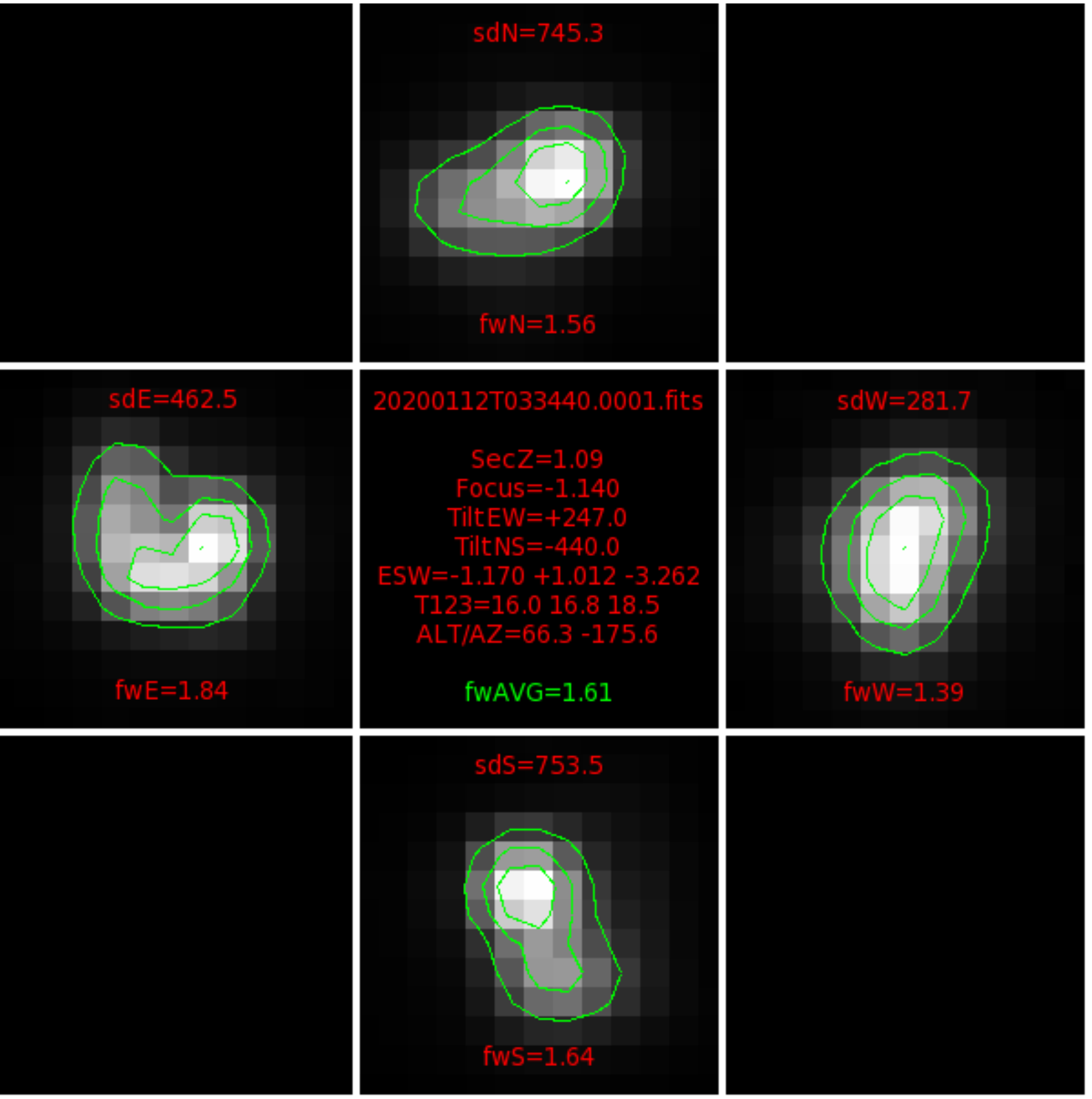

sdN=402.1
fwN=1.58
sdE=208.2
fwE=1.82
20200112T033404.0001.fits
SecZ=1.09
Focus=-1.140
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.170 +1.012 -3.262
T123=16.0 16.8 18.5
ALT/AZ=66.3 -176.0
fwAVG=1.59
sdW=84.7
fwW=1.39
sdS=406.3
fwS=1.60
0 0 0 0 0 0 0 0 0


sdN=745.3
fwN=1.56
sdE=462.5
fwE=1.84
20200112T033440.0001.fits
SecZ=1.09
Focus=-1.140
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.170 +1.012 -3.262
T123=16.0 16.8 18.5
ALT/AZ=66.3 -175.6
fwAVG=1.61
sdW=281.7
fwW=1.39
sdS=753.5
fwS=1.64
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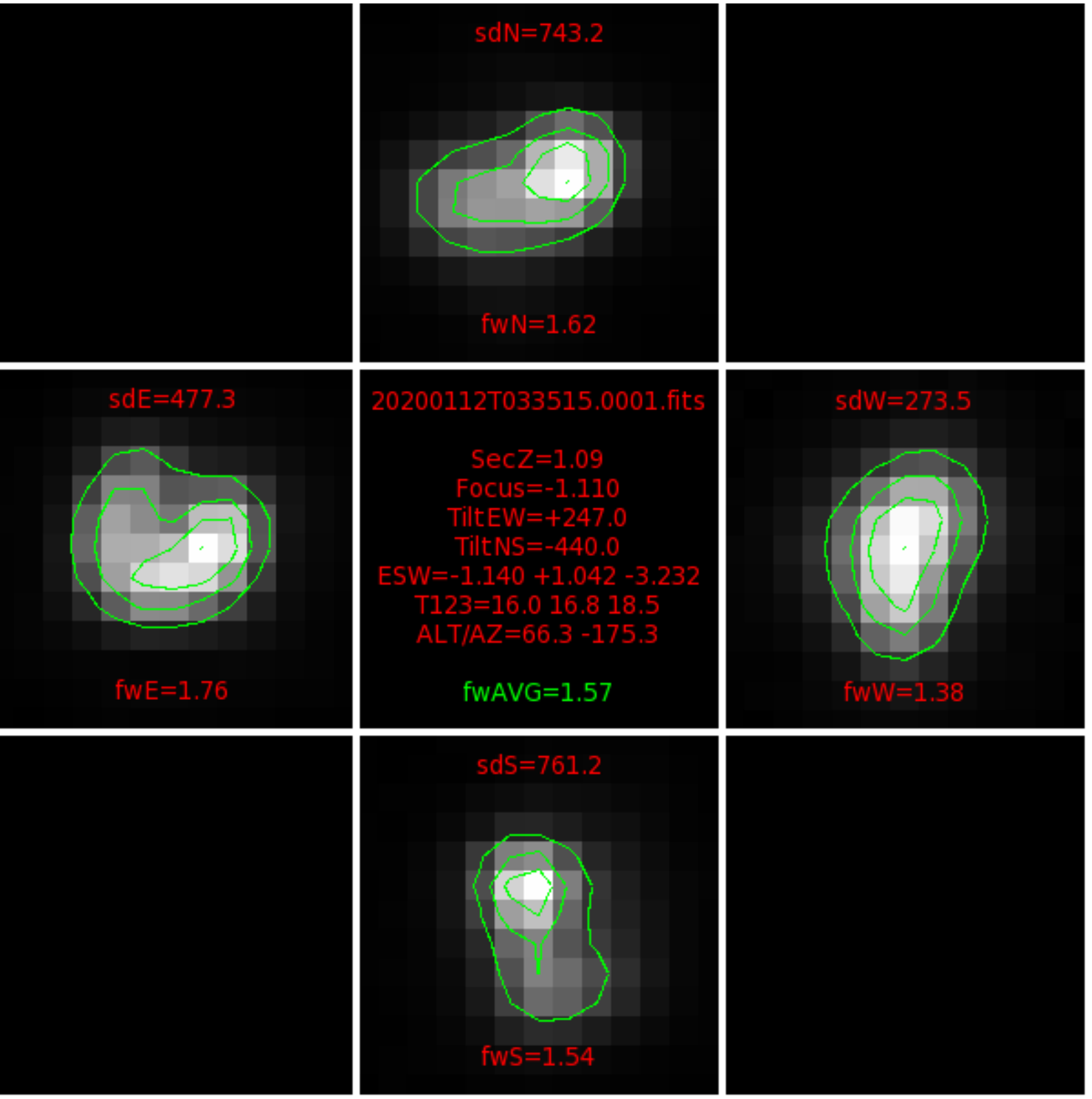
sdN=743.2
fwN=1.62
sdE=477.3
fwE=1.76
20200112T033515.0001.fits
SecZ=1.09
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=16.0 16.8 18.5
ALT/AZ=66.3 -175.3
fwAVG=1.57
sdW=273.5
fwW=1.38
sdS=761.2
fwS=1.54
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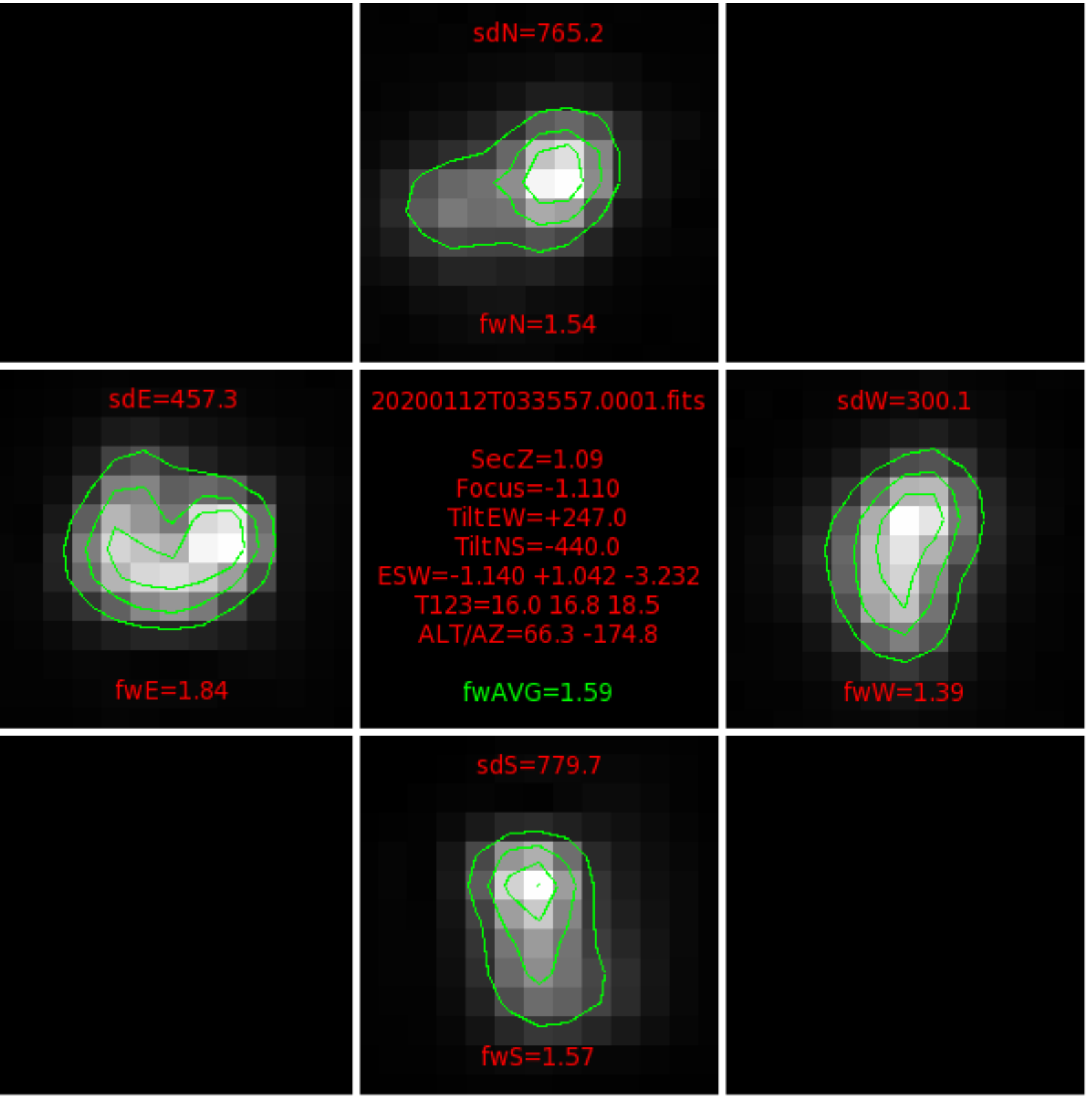
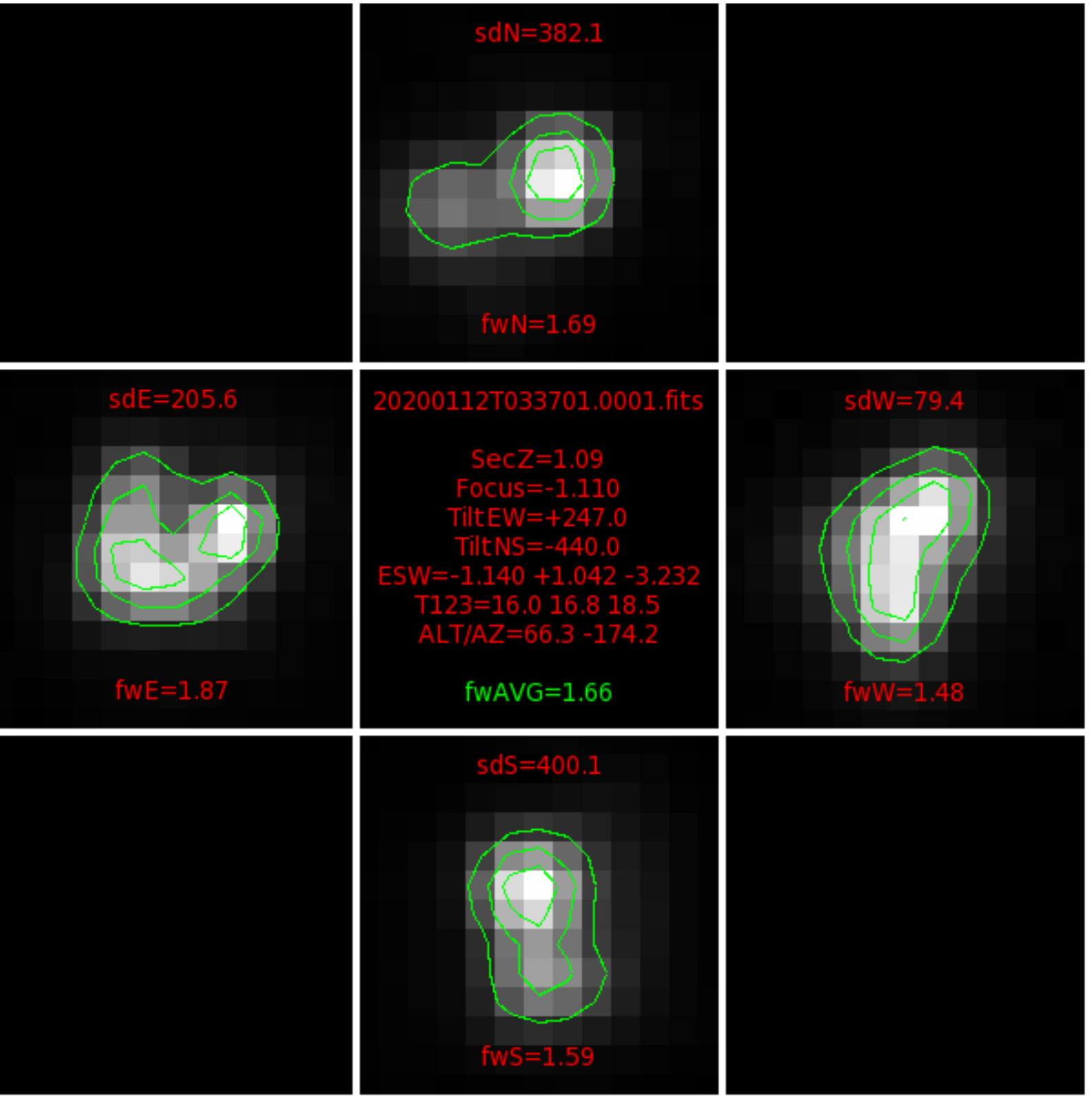

sdN=765.2
fwN=1.54
sdE=457.3
fwE=1.84
20200112T033557.0001.fits
SecZ=1.09
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=16.0 16.8 18.5
ALT/AZ=66.3 -174.8
fwAVG=1.59
sdW=300.1
fwW=1.39
sdS=779.7
fwS=1.57
0 0 0 0 0 0 0 0 0


sdN=382.1
fwN=1.69
sdE=205.6
fwE=1.87
20200112T033701.0001.fits
SecZ=1.09
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=16.0 16.8 18.5
ALT/AZ=66.3 -174.2
fwAVG=1.66
sdW=79.4
fwW=1.48
sdS=400.1
fwS=1.59
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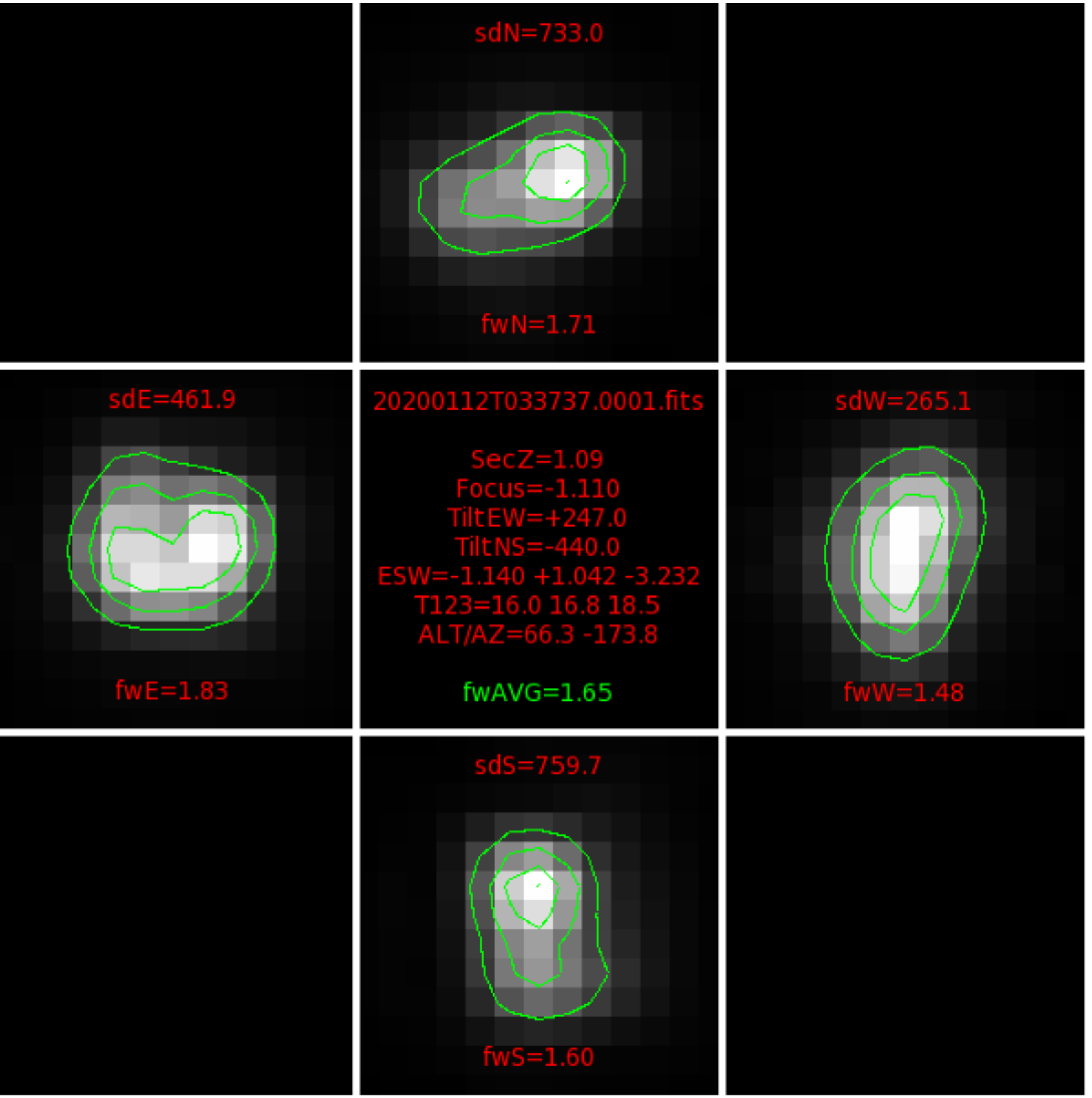
sdN=733.0
fwN=1.71
sdE=461.9
fwE=1.83
20200112T033737.0001.fits
SecZ=1.09
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=16.0 16.8 18.5
ALT/AZ=66.3 -173.8
fwAVG=1.65
sdW=265.1
fwW=1.48
sdS=759.7
fwS=1.60
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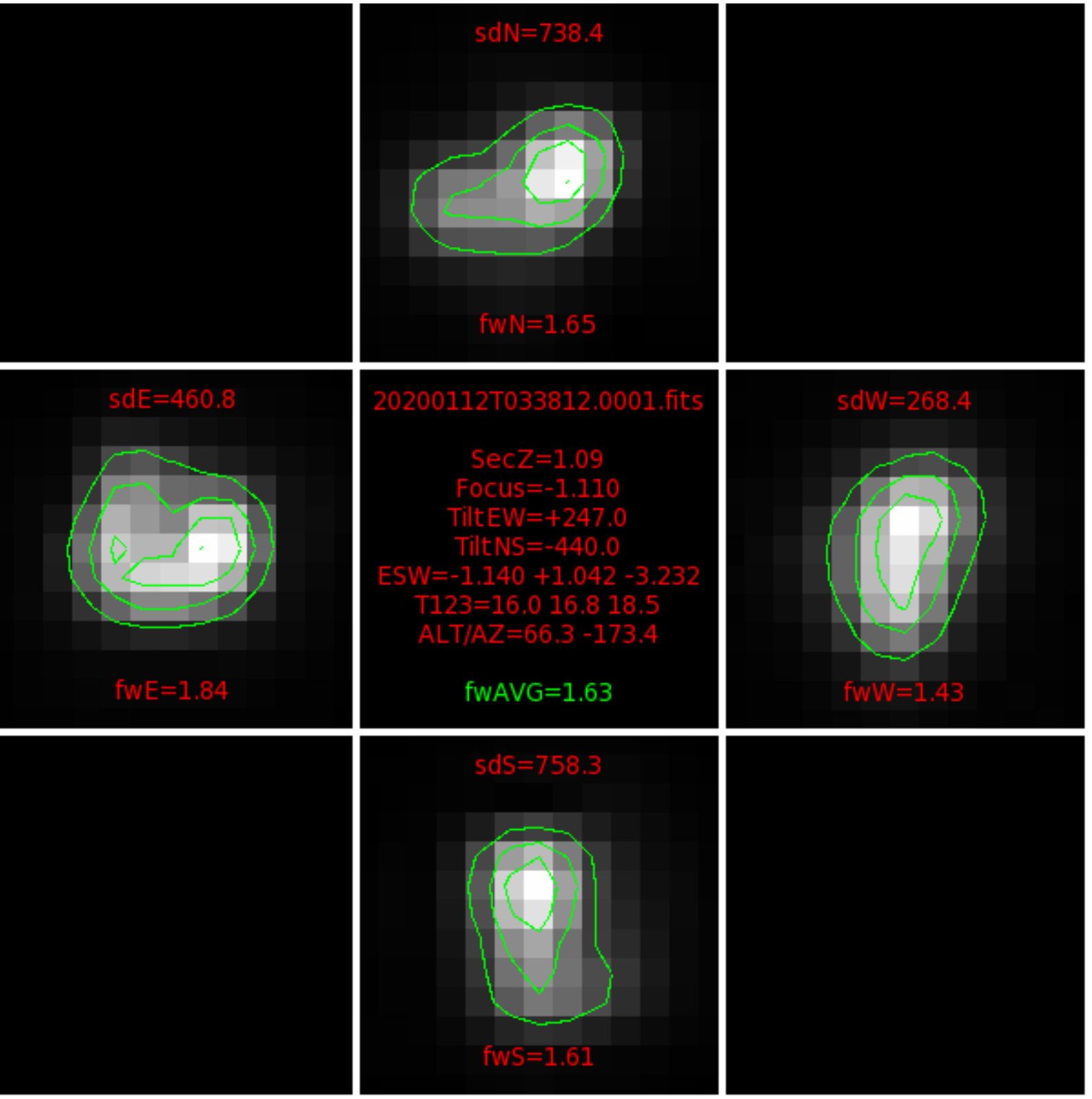
sdN=738.4
fwN=1.65
sdE=460.8
fwE=1.84
20200112T033812.0001.fits
SecZ=1.09
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=16.0 16.8 18.5
ALT/AZ=66.3 -173.4
fwAVG=1.63
sdW=268.4
fwW=1.43
sdS=758.3
fwS=1.61
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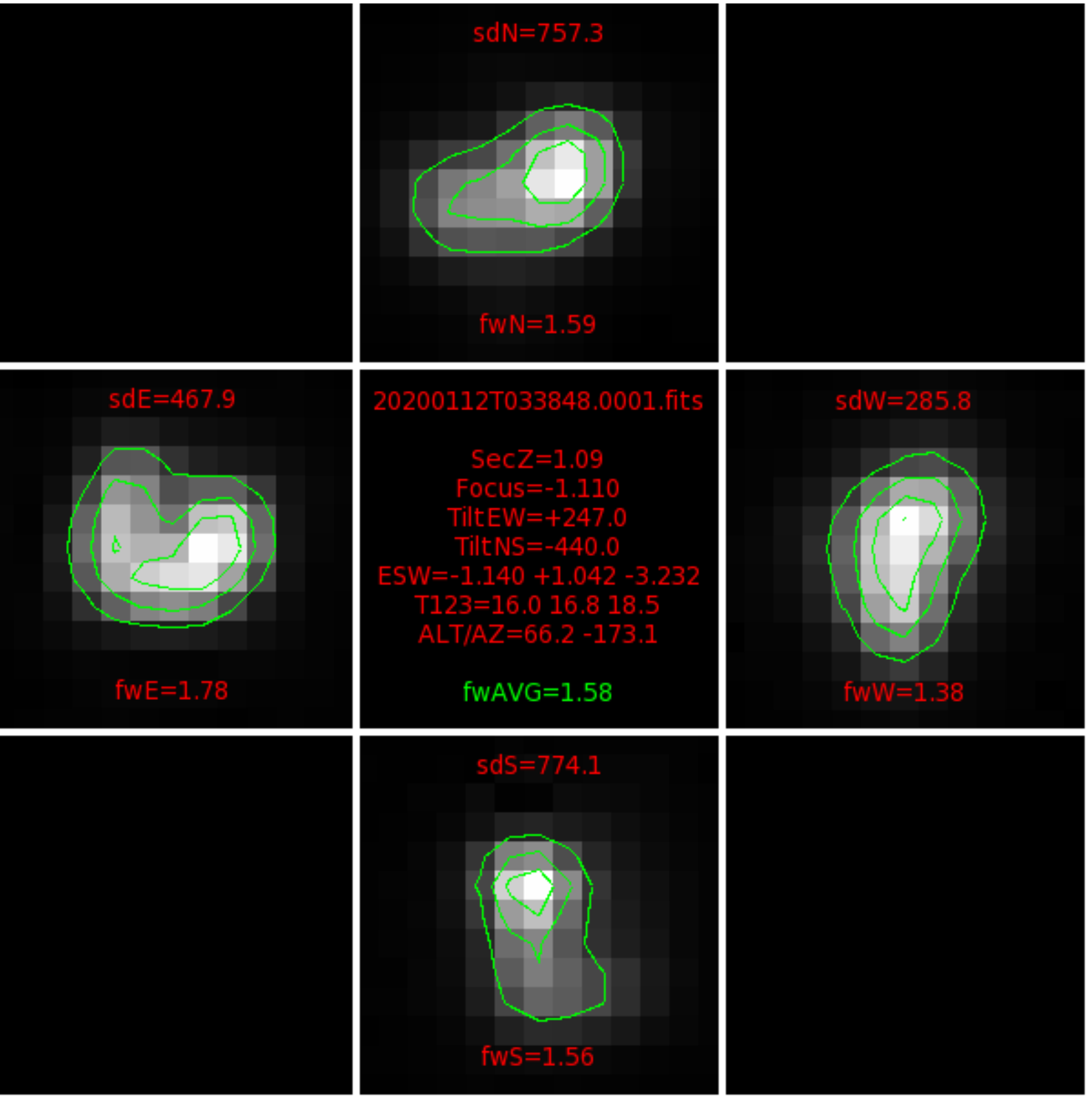
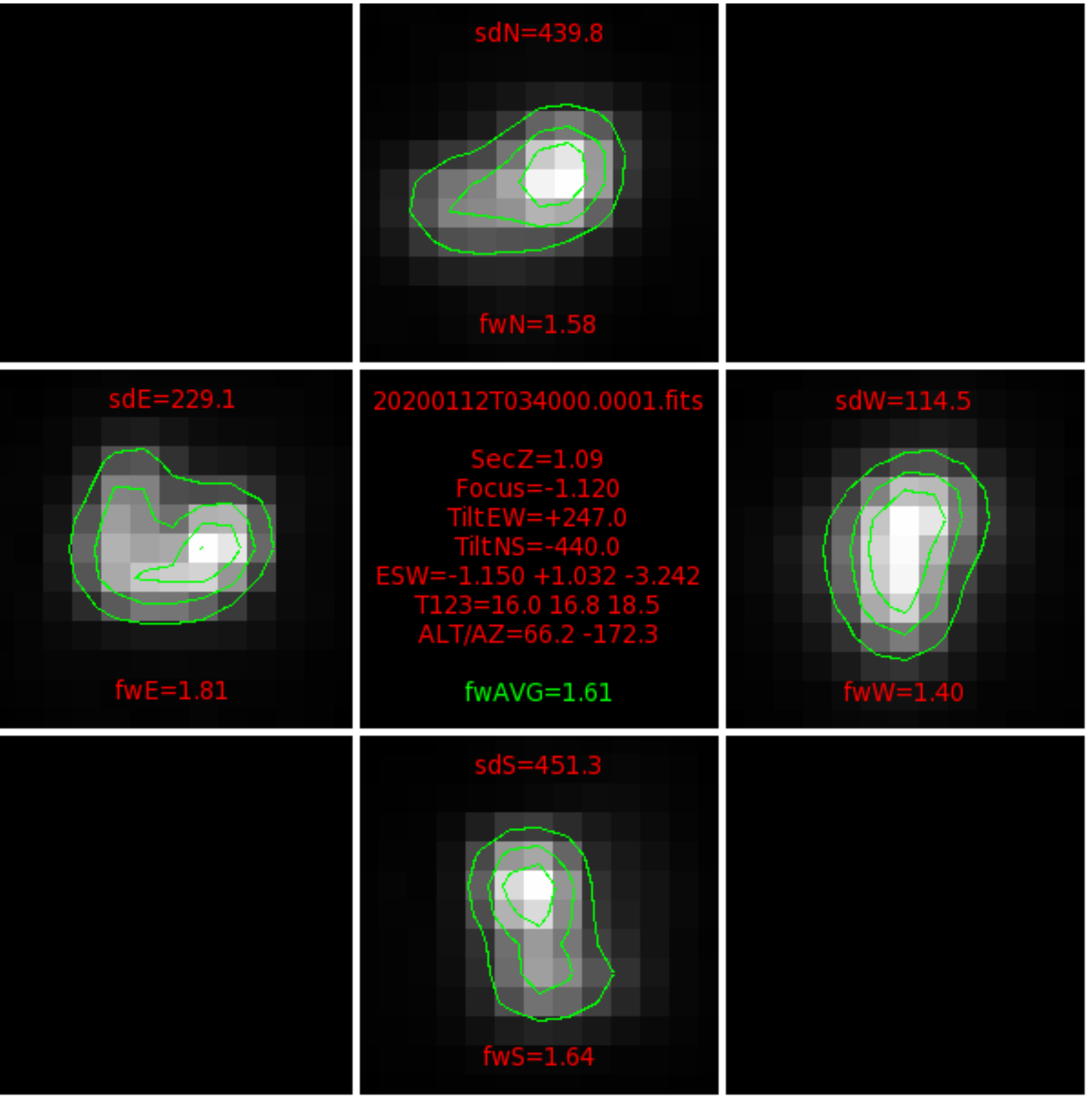

sdN=757.3
fwN=1.59
sdE=467.9
fwE=1.78
20200112T033848.0001.fits
SecZ=1.09
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=16.0 16.8 18.5
ALT/AZ=66.2 -173.1
fwAVG=1.58
sdW=285.8
fwW=1.38
sdS=774.1
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=439.8
fwN=1.58
sdE=229.1
fwE=1.81
20200112T034000.0001.fits
SecZ=1.09
Focus=-1.120
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.150 +1.032 -3.242
T123=16.0 16.8 18.5
ALT/AZ=66.2 -172.3
fwAVG=1.61
sdW=114.5
fwW=1.40
sdS=451.3
fwS=1.64
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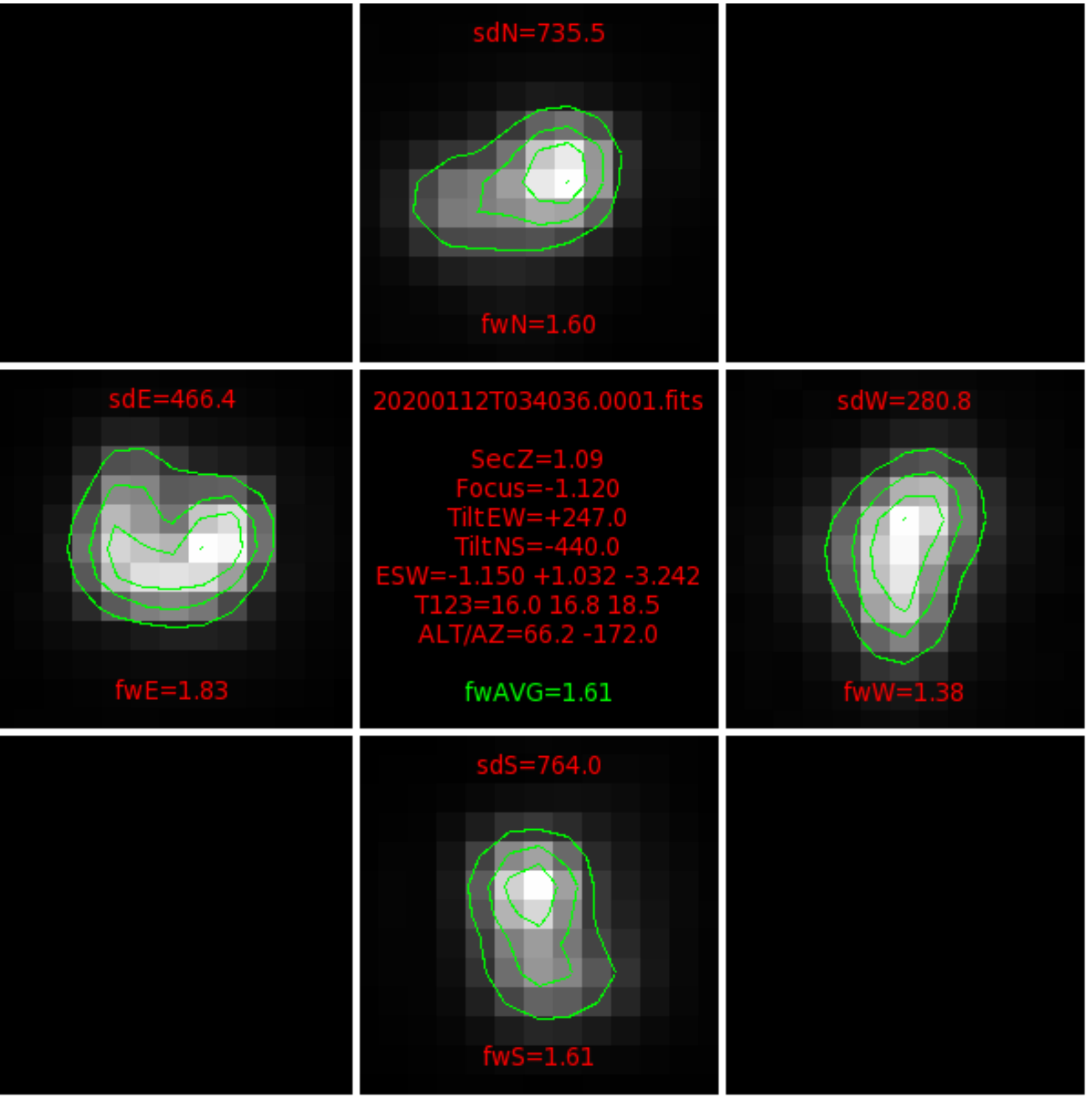
sdN=735.5
fwN=1.60
sdE=466.4
fwE=1.83
20200112T034036.0001.fits
SecZ=1.09
Focus=-1.120
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.150 +1.032 -3.242
T123=16.0 16.8 18.5
ALT/AZ=66.2 -172.0
fwAVG=1.61
sdW=280.8
fwW=1.38
sdS=764.0
fwS=1.61
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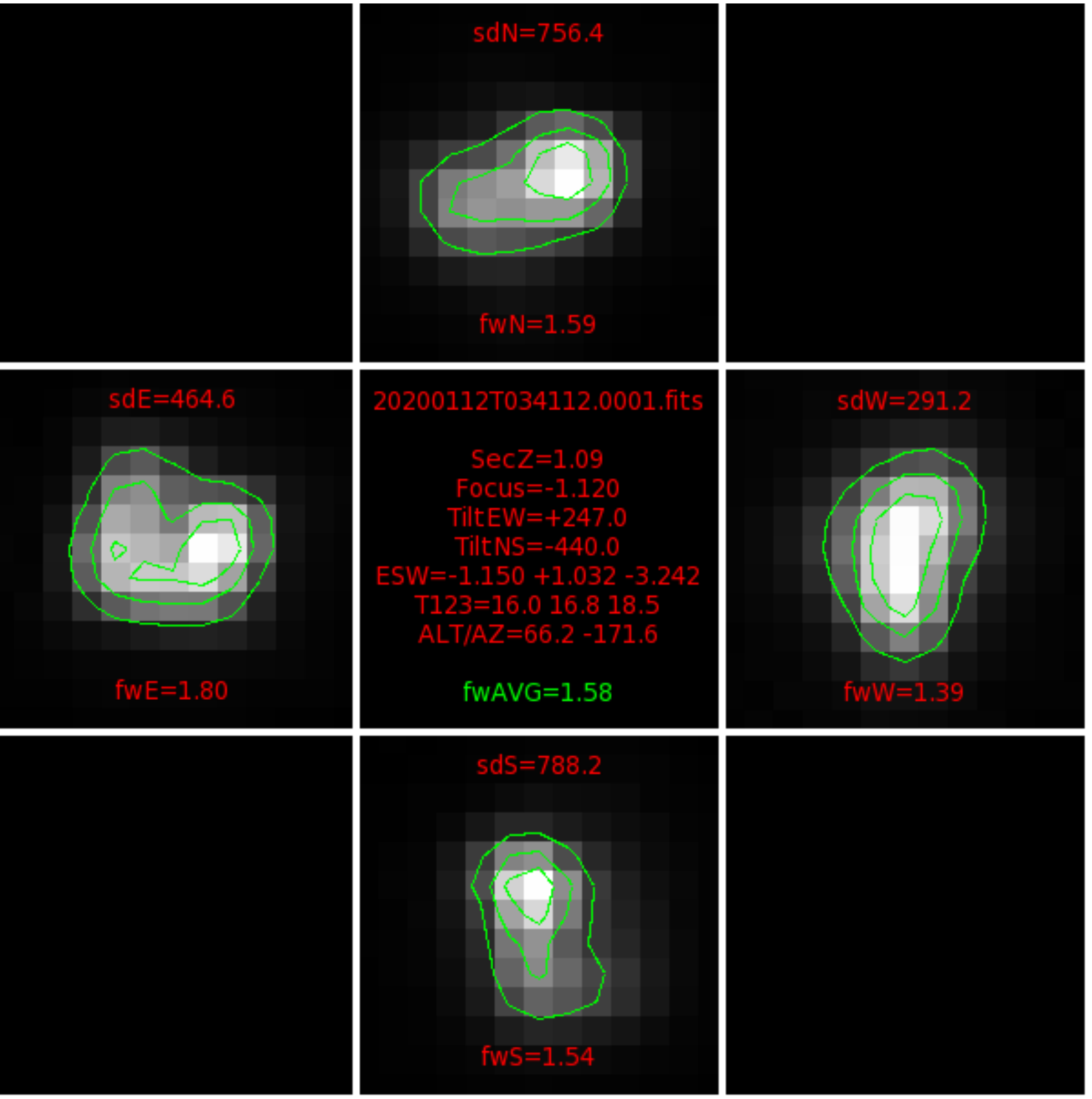
sdN=756.4
fwN=1.59
sdE=464.6
fwE=1.80
20200112T034112.0001.fits
SecZ=1.09
Focus=-1.120
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.150 +1.032 -3.242
T123=16.0 16.8 18.5
ALT/AZ=66.2 -171.6
fwAVG=1.58
sdW=291.2
fwW=1.39
sdS=788.2
fwS=1.54
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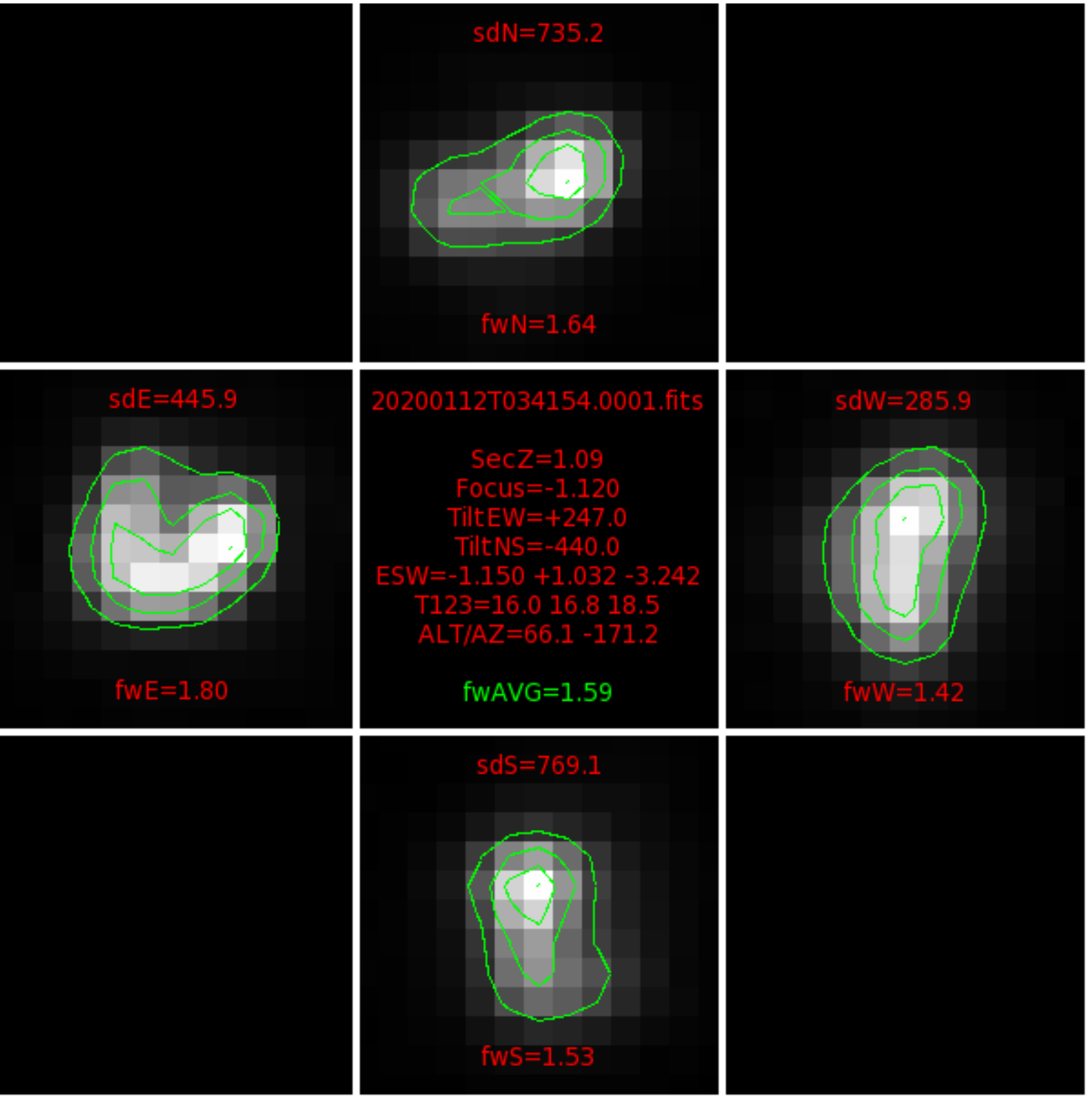
sdN=735.2
fwN=1.64
sdE=445.9
fwE=1.80
20200112T034154.0001.fits
SecZ=1.09
Focus=-1.120
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.150 +1.032 -3.242
T123=16.0 16.8 18.5
ALT/AZ=66.1 -171.2
fwAVG=1.59
sdW=285.9
fwW=1.42
sdS=769.1
fwS=1.53
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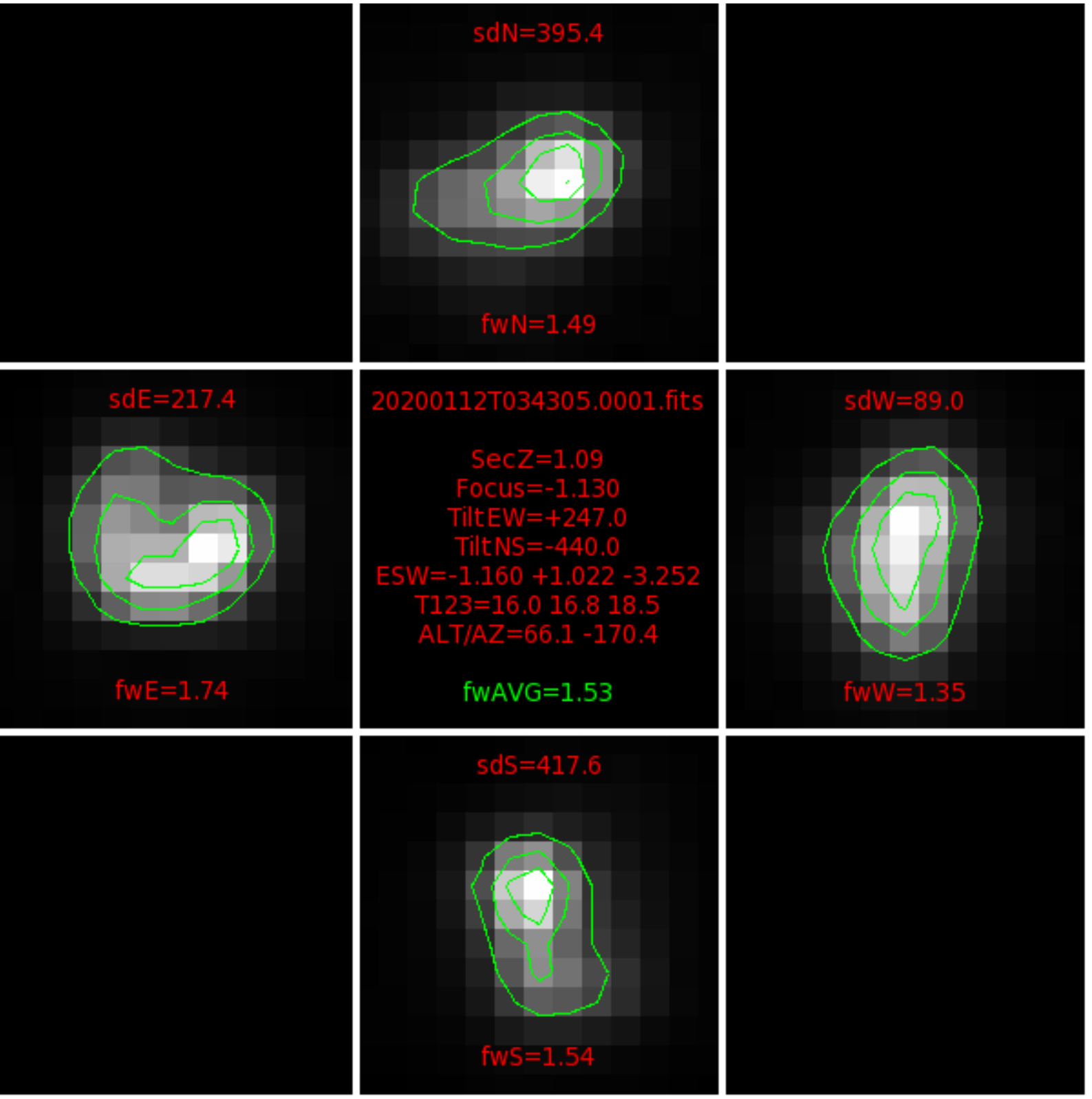
sdN=395.4
fwN=1.49
sdE=217.4
fwE=1.74
20200112T034305.0001.fits
SecZ=1.09
Focus=-1.130
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.160 +1.022 -3.252
T123=16.0 16.8 18.5
ALT/AZ=66.1 -170.4
fwAVG=1.53
sdW=89.0
fwW=1.35
sdS=417.6
fwS=1.54
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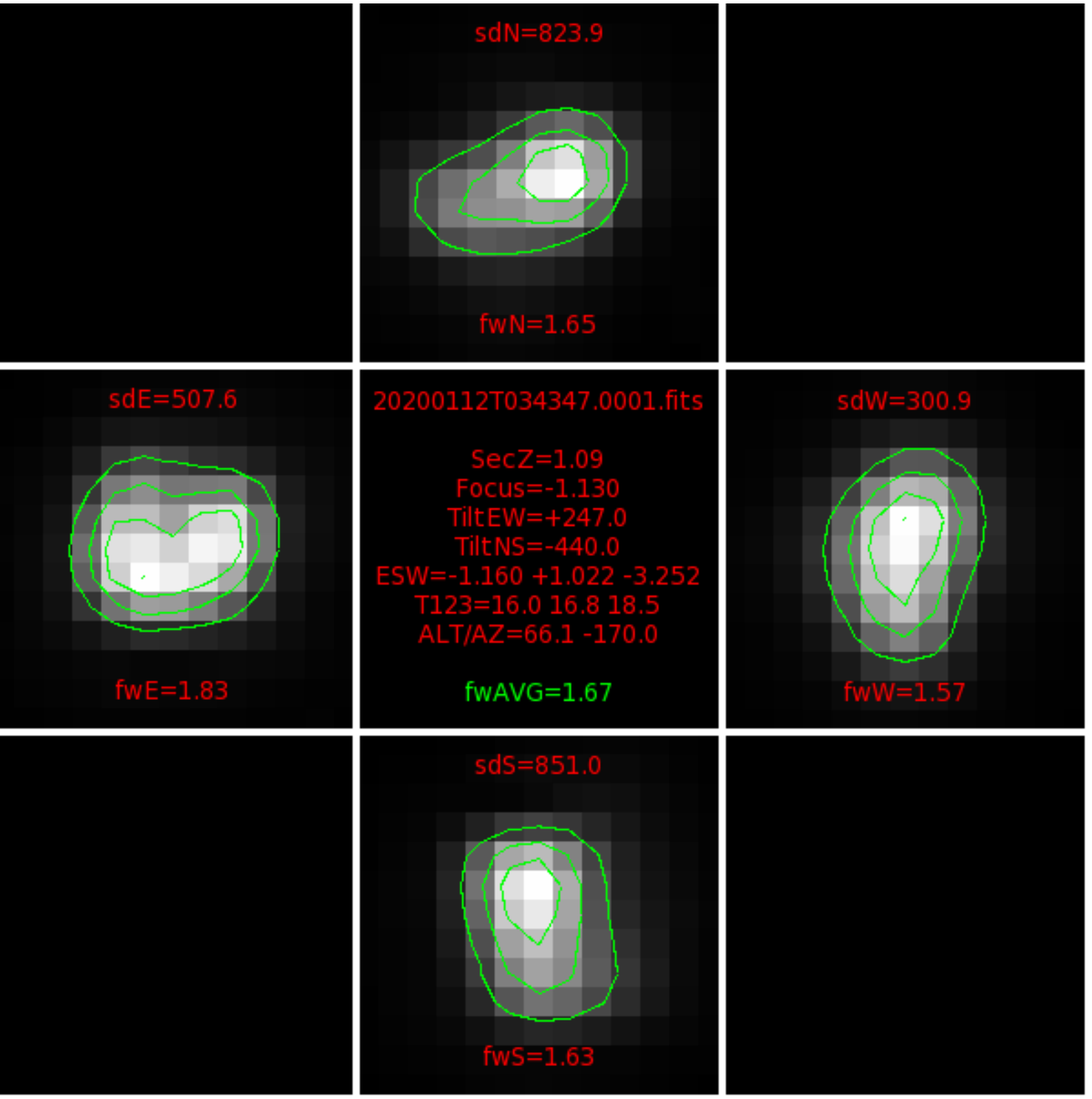
sdN=823.9
fwN=1.65
sdE=507.6
fwE=1.83
20200112T034347.0001.fits
SecZ=1.09
Focus=-1.130
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.160 +1.022 -3.252
T123=16.0 16.8 18.5
ALT/AZ=66.1 -170.0
fwAVG=1.67
sdW=300.9
fwW=1.57
sdS=851.0
fwS=1.63
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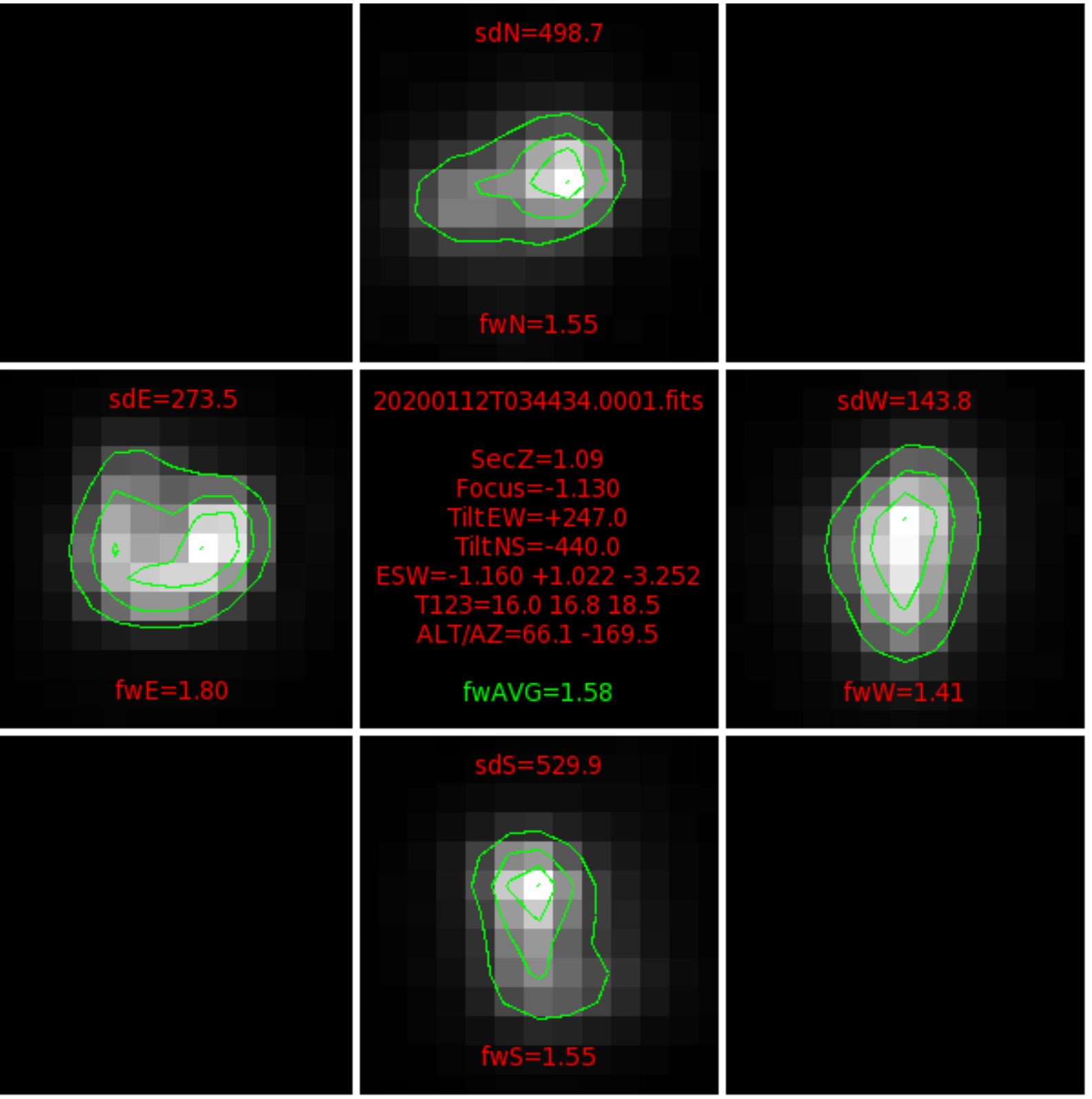
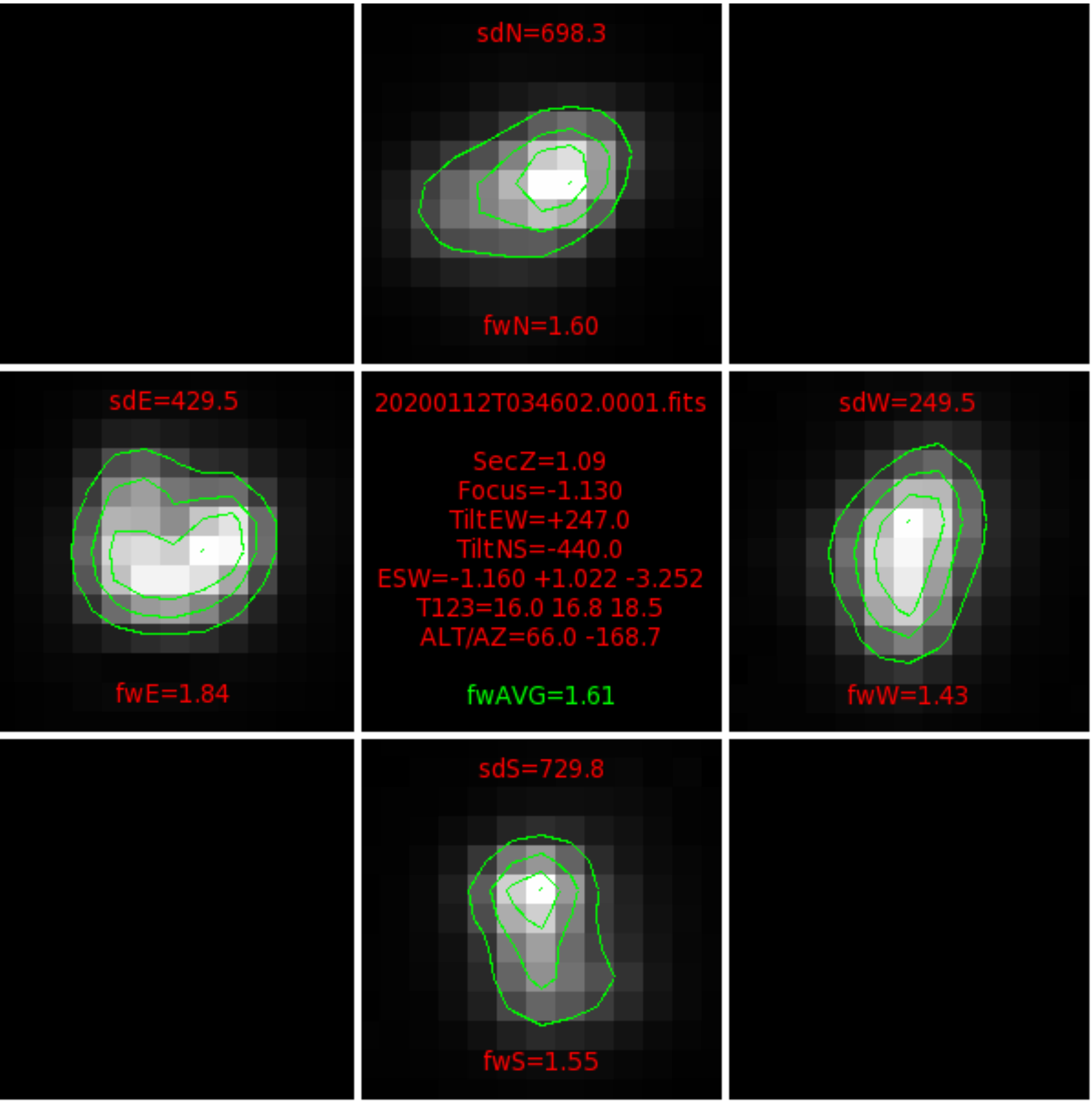
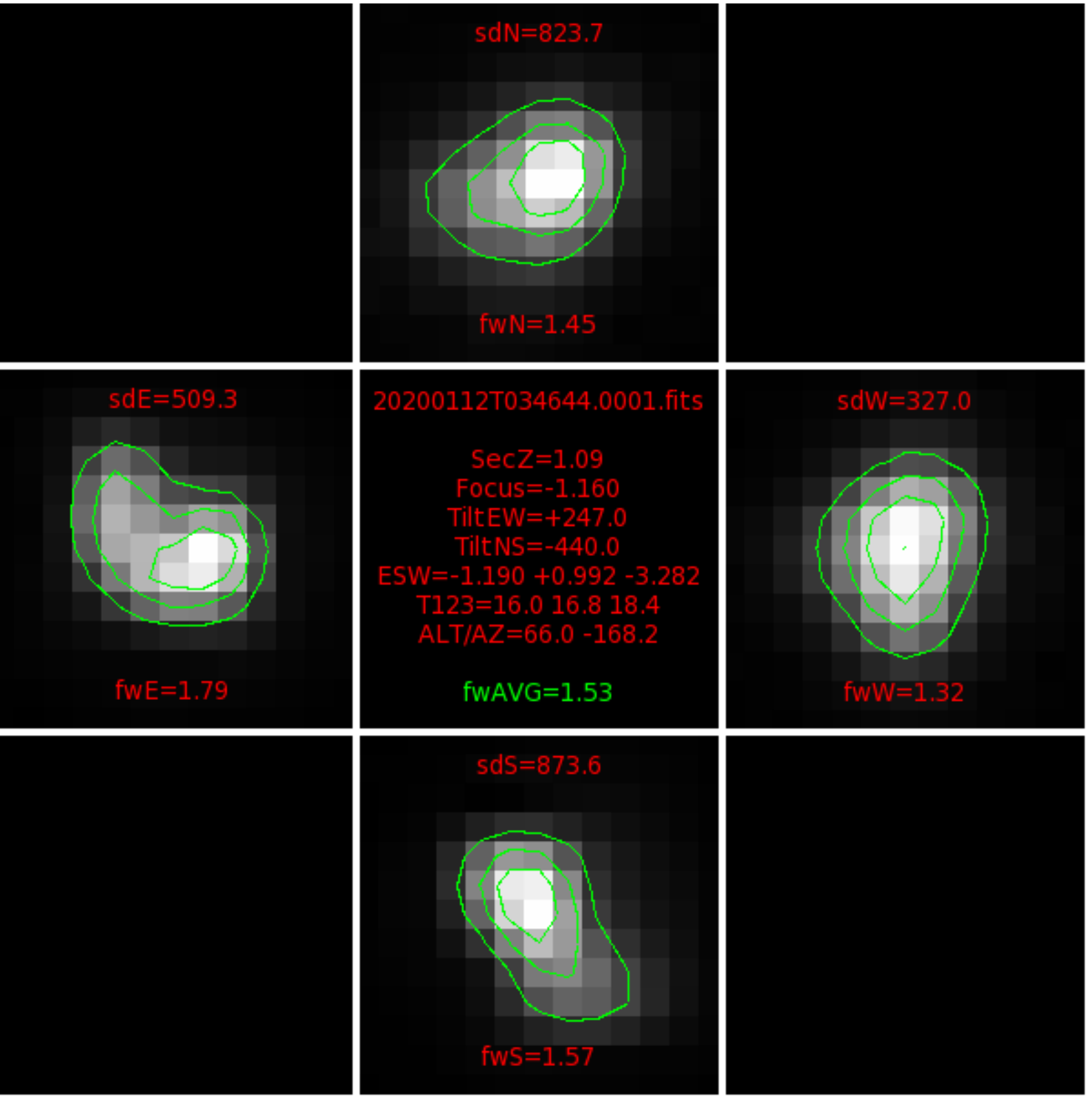

sdN=498.7
fwN=1.55
sdE=273.5
fwE=1.80
20200112T034434.0001.fits
SecZ=1.09
Focus=-1.130
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.160 +1.022 -3.252
T123=16.0 16.8 18.5
ALT/AZ=66.1 -169.5
fwAVG=1.58
sdW=143.8
fwW=1.41
sdS=529.9
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=698.3
fwN=1.60
sdE=429.5
fwE=1.84
20200112T034602.0001.fits
SecZ=1.09
Focus=-1.130
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.160 +1.022 -3.252
T123=16.0 16.8 18.5
ALT/AZ=66.0 -168.7
fwAVG=1.61
sdW=249.5
fwW=1.43
sdS=729.8
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=823.7
fwN=1.45
sdE=509.3
fwE=1.79
20200112T034644.0001.fits
SecZ=1.09
Focus=-1.160
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.190 +0.992 -3.282
T123=16.0 16.8 18.4
ALT/AZ=66.0 -168.2
fwAVG=1.53
sdW=327.0
fwW=1.32
sdS=873.6
fwS=1.57
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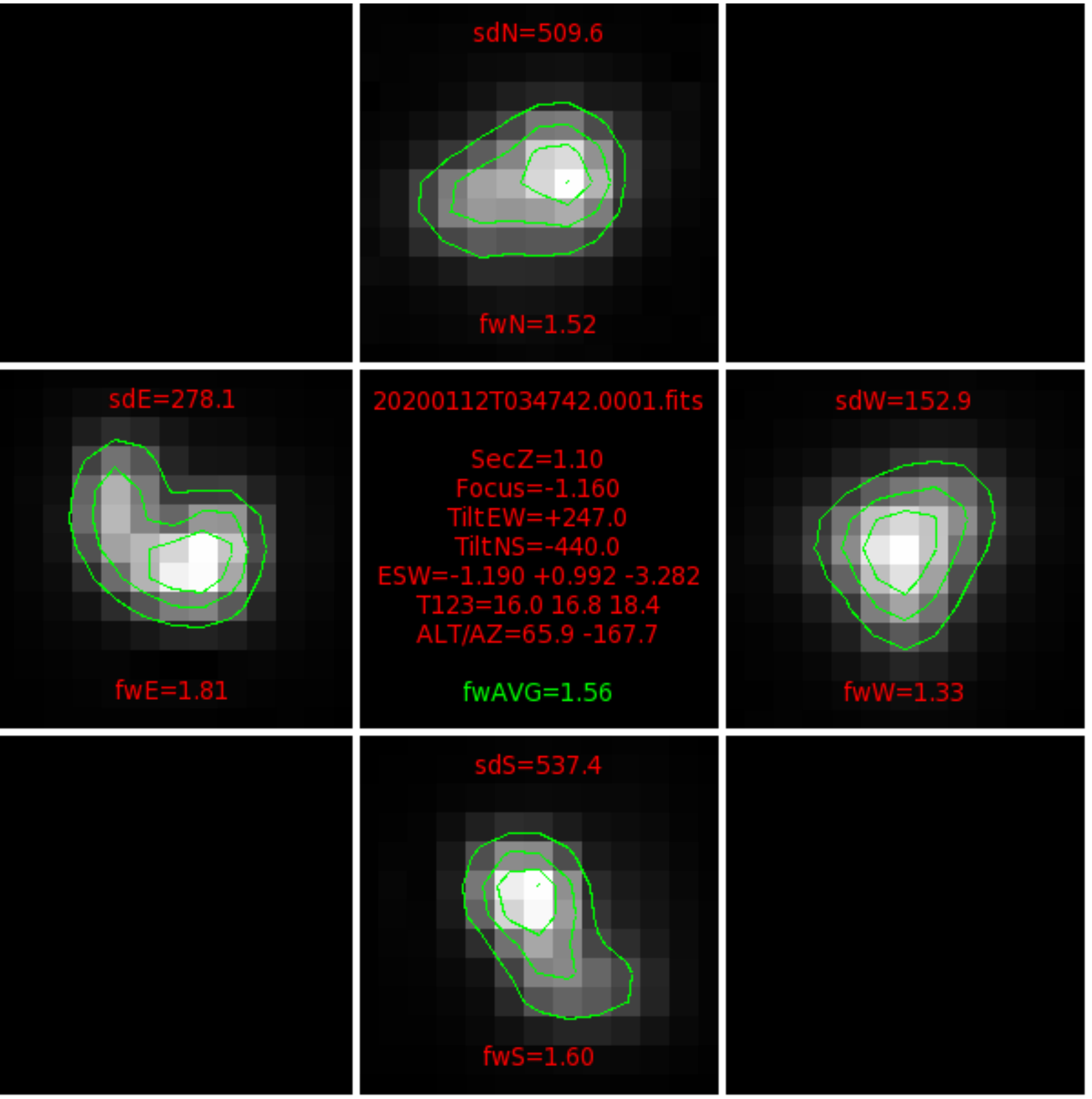
sdN=509.6
fwN=1.52
sdE=278.1
fwE=1.81
20200112T034742.0001.fits
SecZ=1.10
Focus=-1.160
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.190 +0.992 -3.282
T123=16.0 16.8 18.4
ALT/AZ=65.9 -167.7
fwAVG=1.56
sdW=152.9
fwW=1.33
sdS=537.4
fwS=1.60
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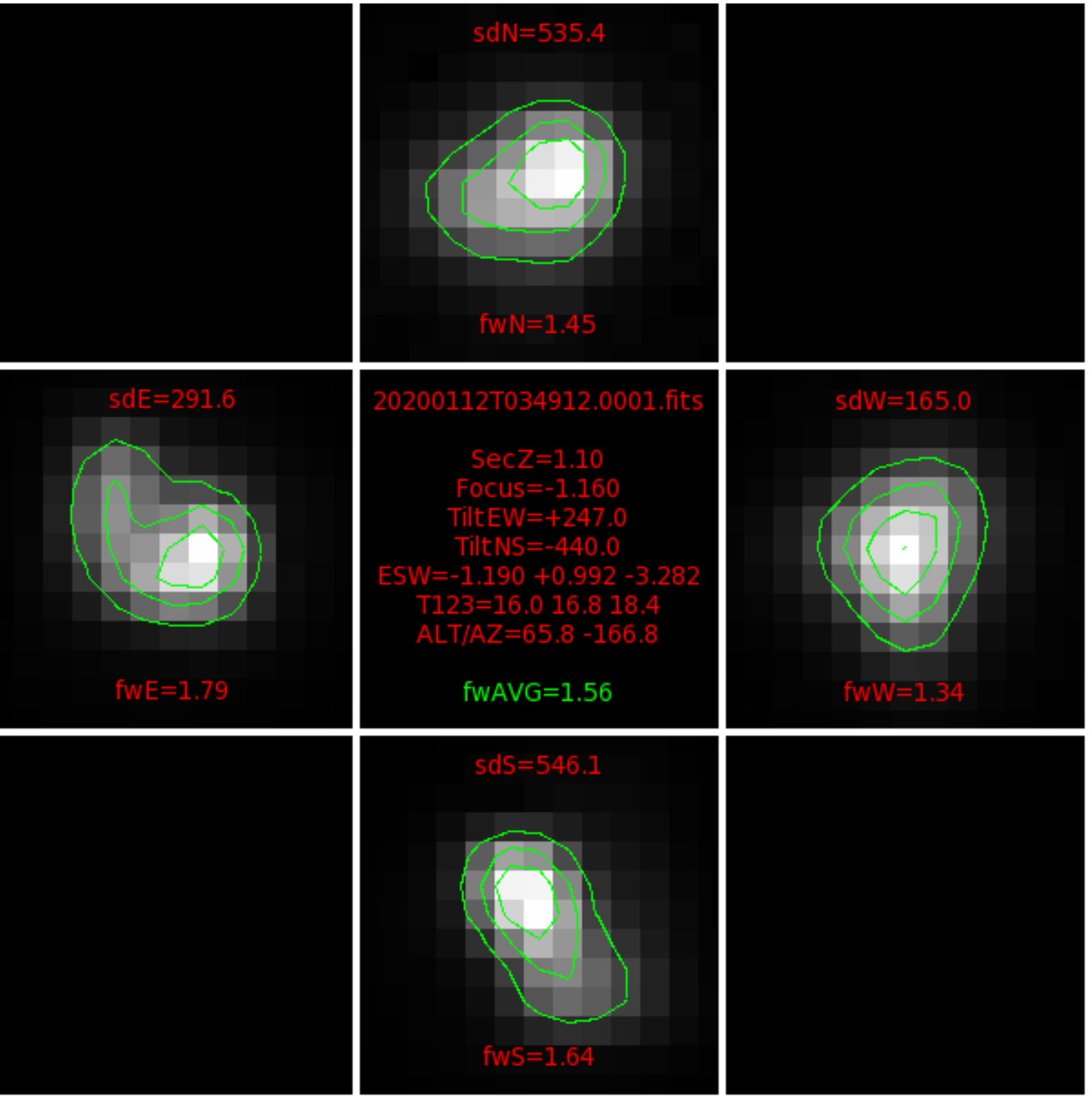
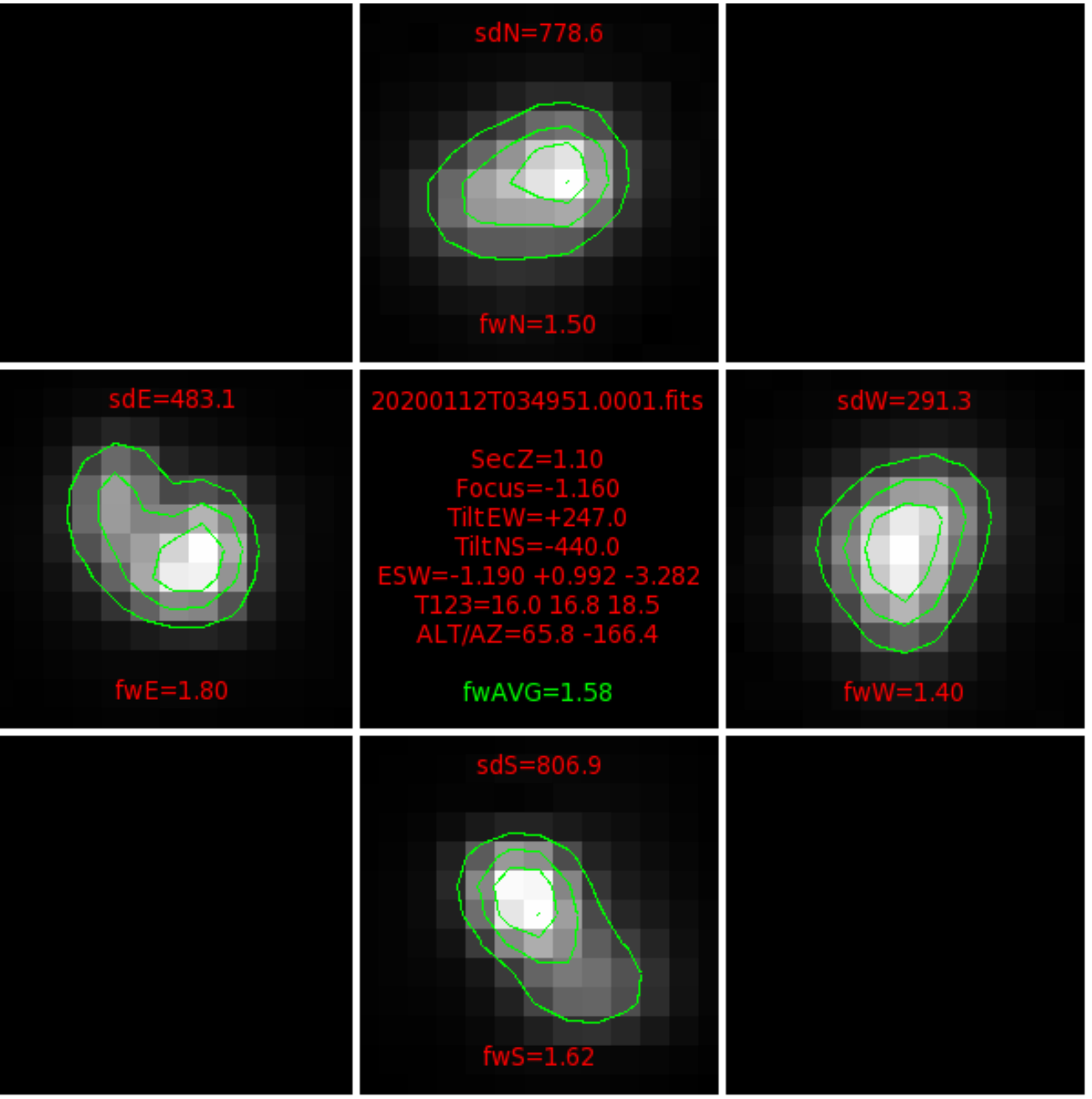

sdN=535.4
fwN=1.45
sdE=291.6
fwE=1.79
20200112T034912.0001.fits
SecZ=1.10
Focus=-1.160
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.190 +0.992 -3.282
T123=16.0 16.8 18.4
ALT/AZ=65.8 -166.8
fwAVG=1.56
sdW=165.0
fwW=1.34
sdS=546.1
fwS=1.64
0 0 0 0 0 0 0 0 0


sdN=778.6
fwN=1.50
sdE=483.1
fwE=1.80
20200112T034951.0001.fits
SecZ=1.10
Focus=-1.160
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.190 +0.992 -3.282
T123=16.0 16.8 18.5
ALT/AZ=65.8 -166.4
fwAVG=1.58
sdW=291.3
fwW=1.40
sdS=806.9
fwS=1.62
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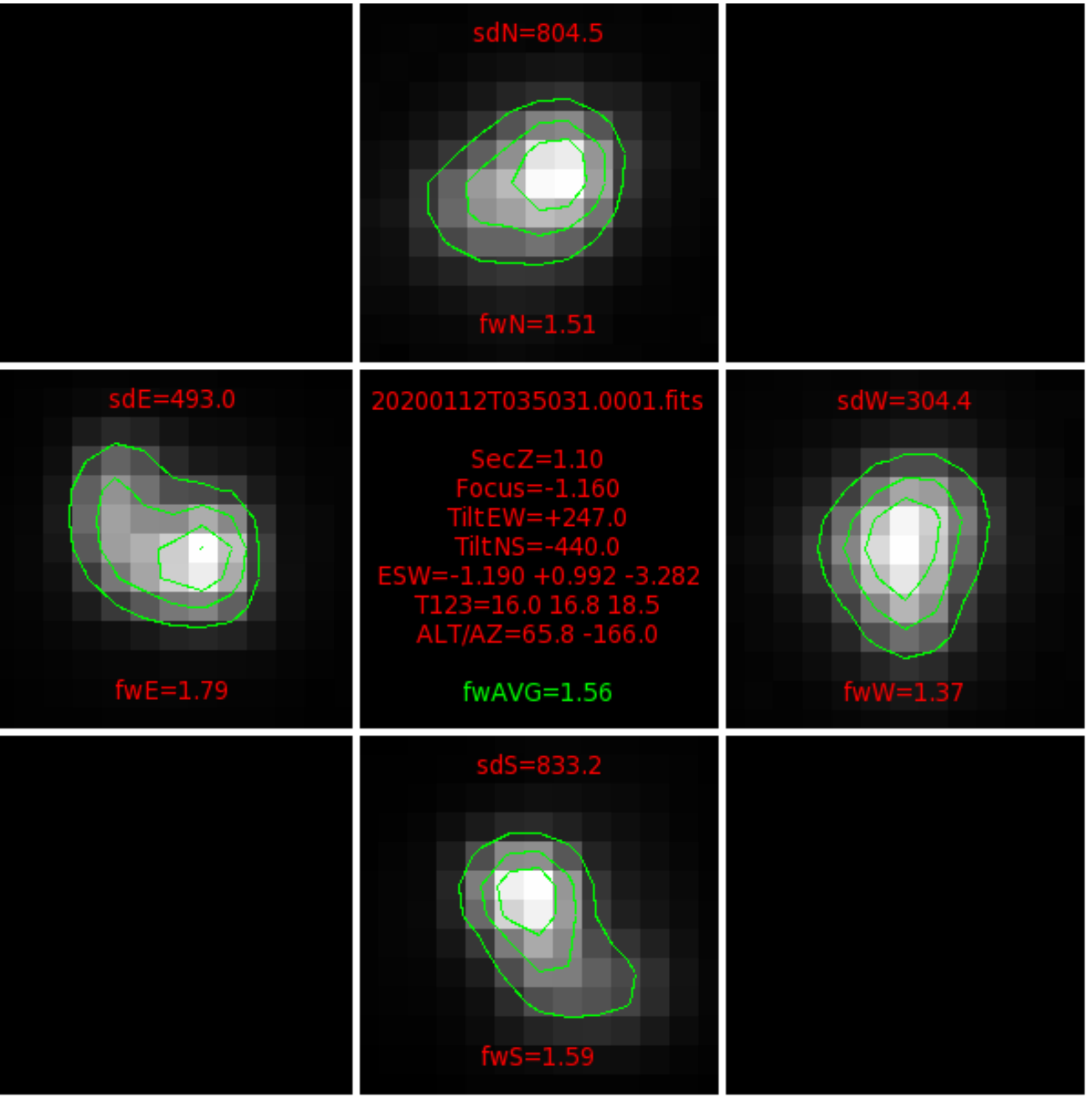
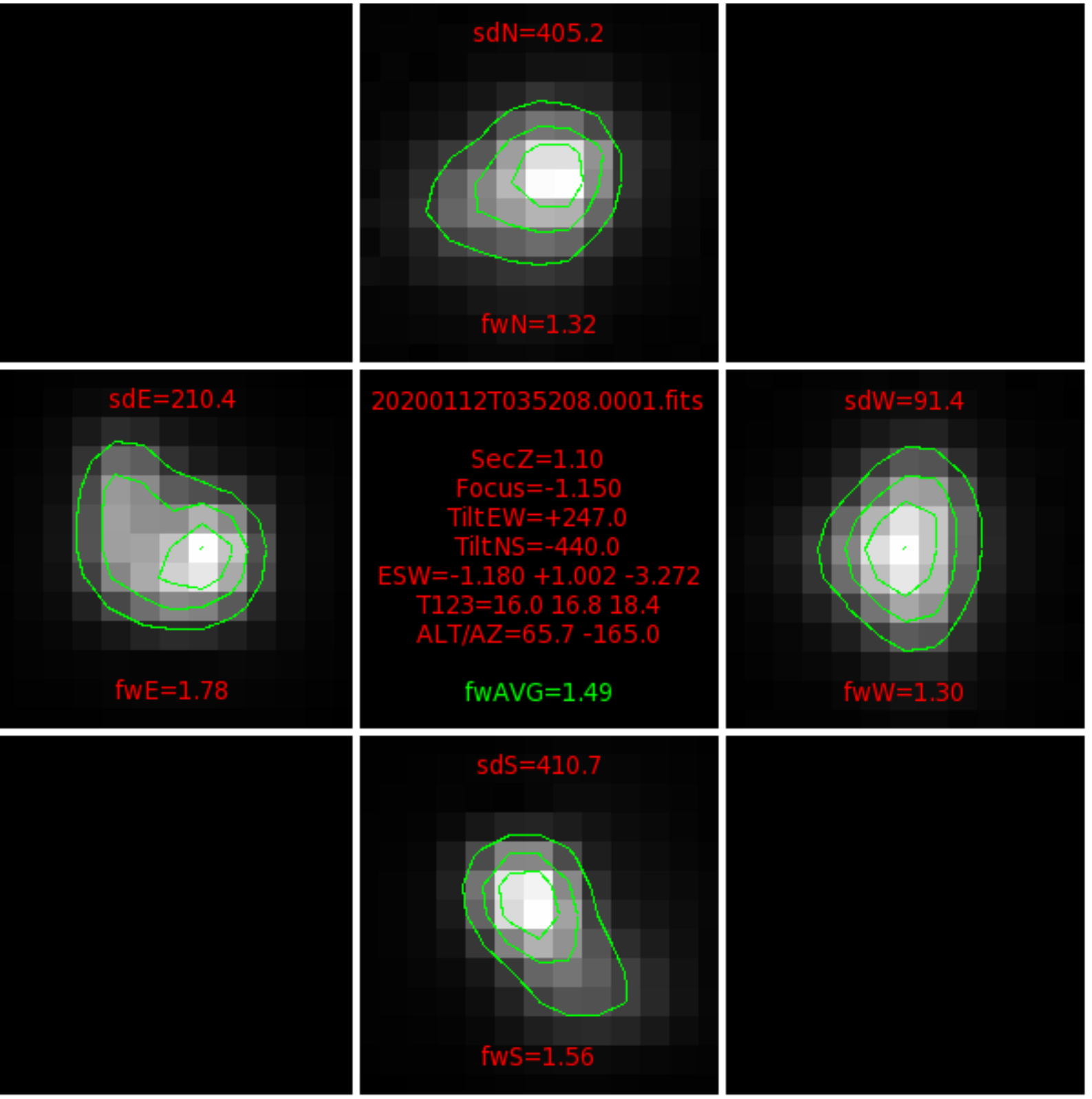

sdN=804.5
fwN=1.51
sdE=493.0
fwE=1.79
20200112T035031.0001.fits
SecZ=1.10
Focus=-1.160
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.190 +0.992 -3.282
T123=16.0 16.8 18.5
ALT/AZ=65.8 -166.0
fwAVG=1.56
sdW=304.4
fwW=1.37
sdS=833.2
fwS=1.59
0 0 0 0 0 0 0 0 0


sdN=405.2
fwN=1.32
sdE=210.4
fwE=1.78
20200112T035208.0001.fits
SecZ=1.10
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.8 18.4
ALT/AZ=65.7 -165.0
fwAVG=1.49
sdW=91.4
fwW=1.30
sdS=410.7
fwS=1.56
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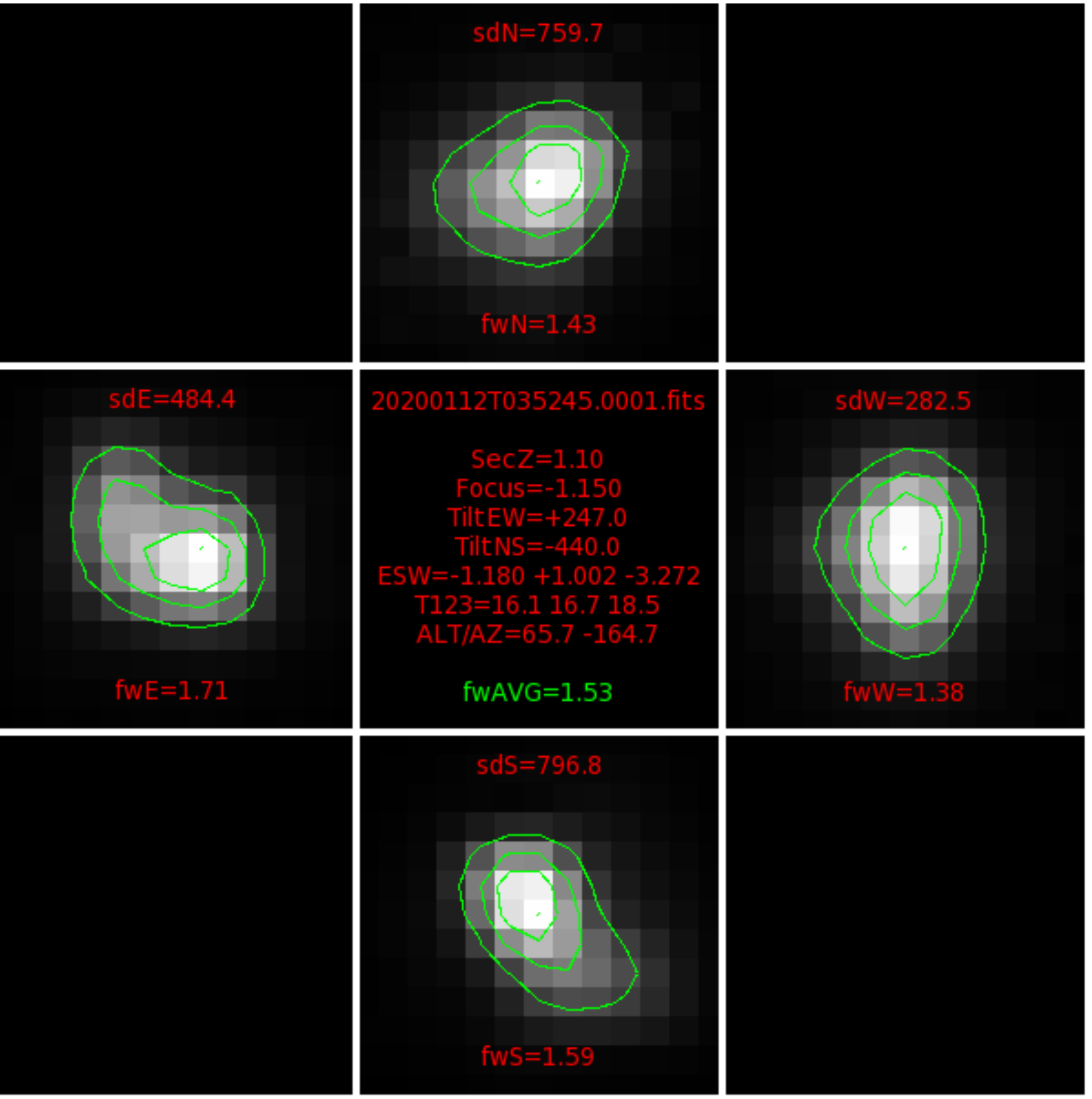
sdN=759.7
fwN=1.43
sdE=484.4
fwE=1.71
20200112T035245.0001.fits
SecZ=1.10
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.1 16.7 18.5
ALT/AZ=65.7 -164.7
fwAVG=1.53
sdW=282.5
fwW=1.38
sdS=796.8
fwS=1.59
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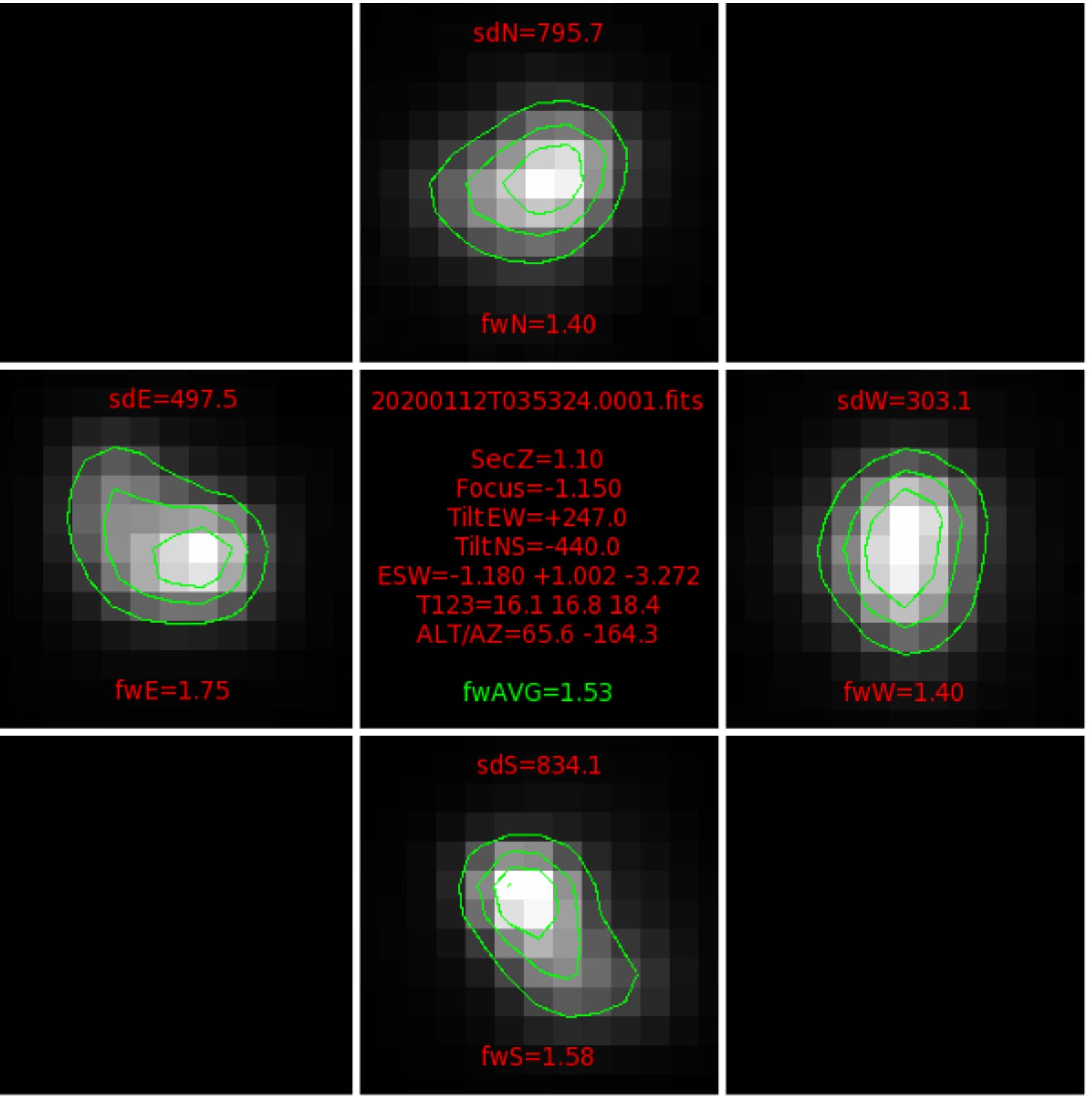
sdN=795.7
fwN=1.40
sdE=497.5
fwE=1.75
20200112T035324.0001.fits
SecZ=1.10
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.1 16.8 18.4
ALT/AZ=65.6 -164.3
fwAVG=1.53
sdW=303.1
fwW=1.40
sdS=834.1
fwS=1.58
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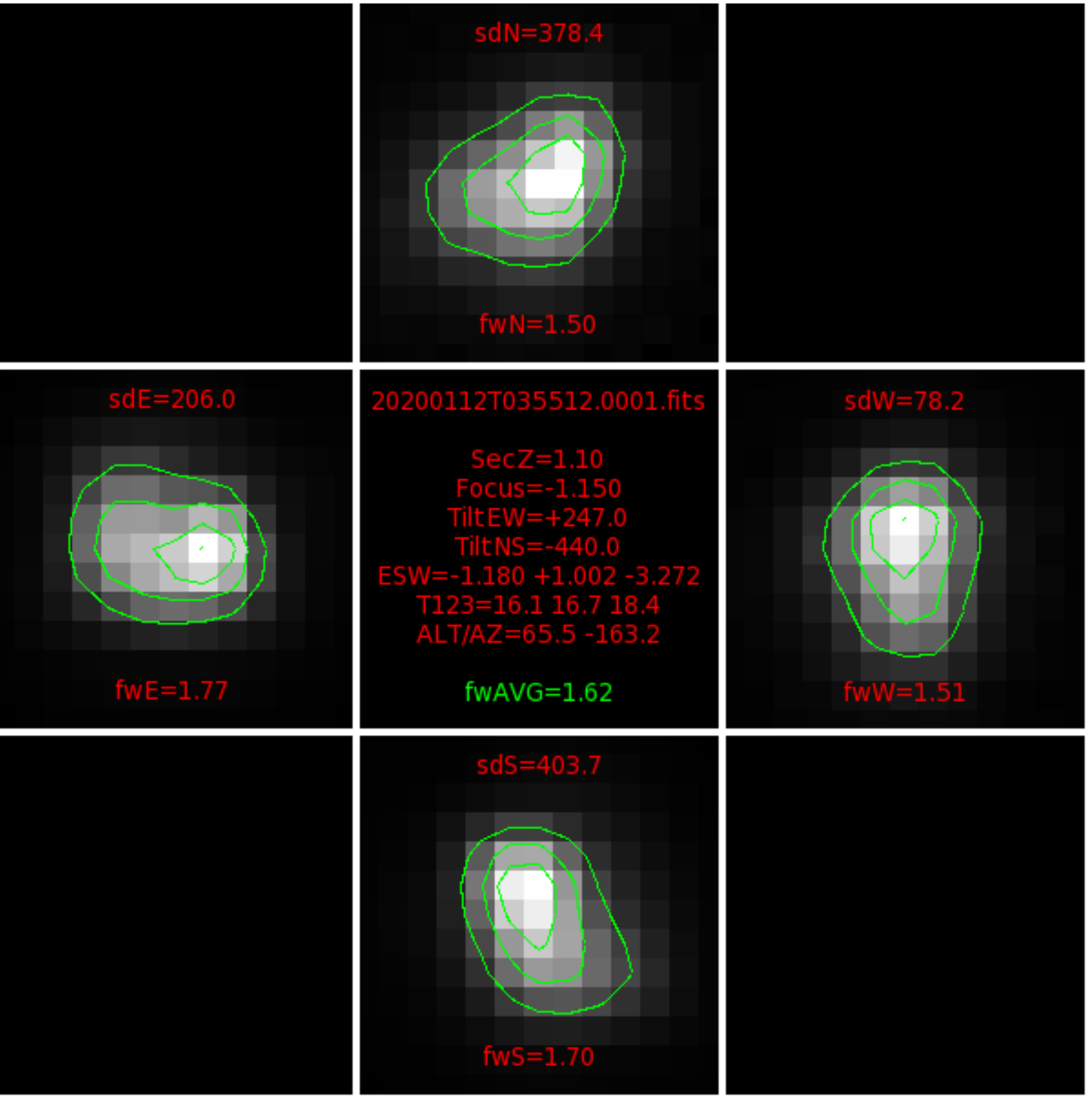
sdN=378.4
fwN=1.50
sdE=206.0
fwE=1.77
20200112T035512.0001.fits
SecZ=1.10
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.1 16.7 18.4
ALT/AZ=65.5 -163.2
fwAVG=1.62
sdW=78.2
fwW=1.51
sdS=403.7
fwS=1.70
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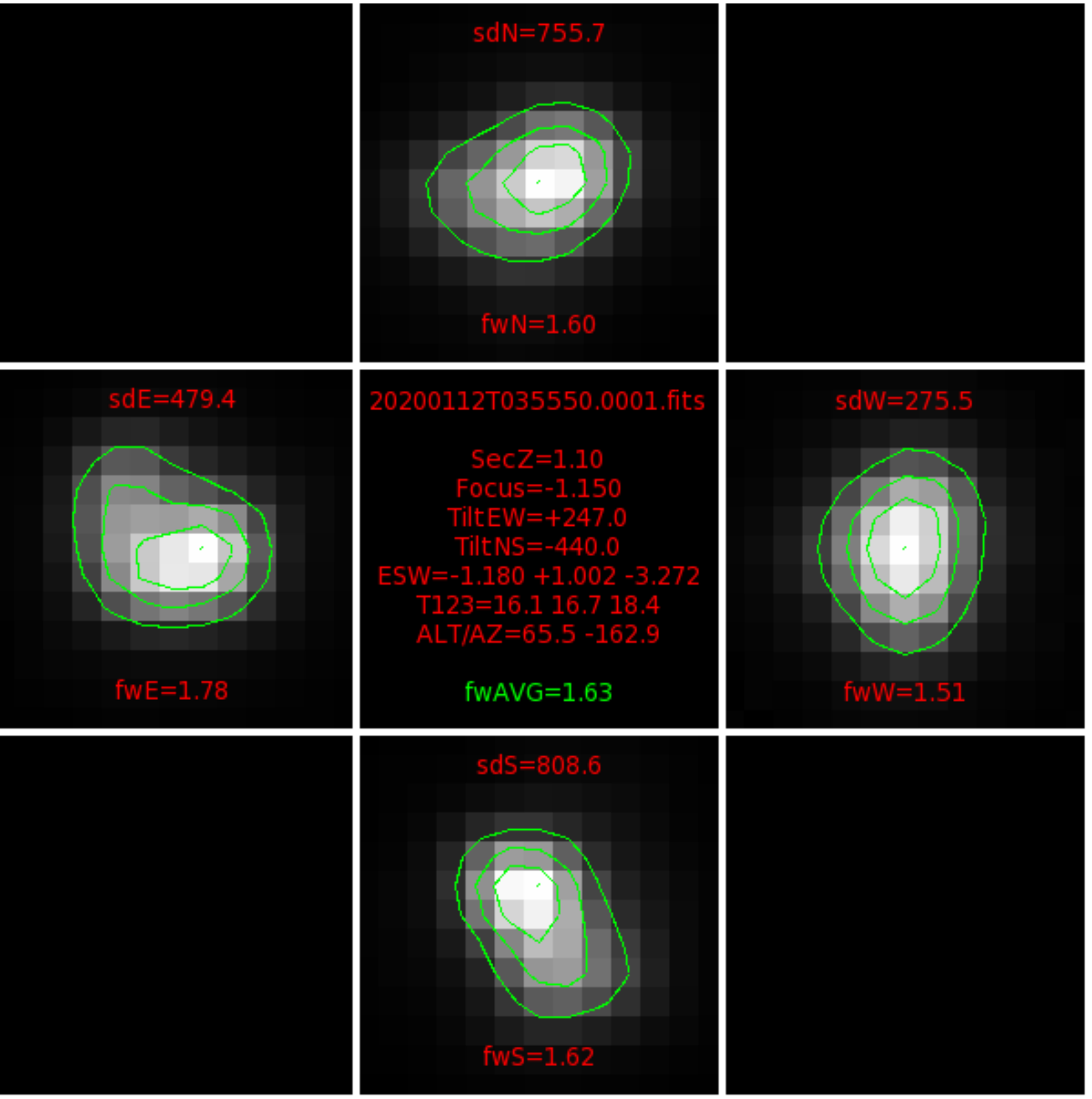
sdN=755.7
fwN=1.60
sdE=479.4
fwE=1.78
20200112T035550.0001.fits
SecZ=1.10
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.1 16.7 18.4
ALT/AZ=65.5 -162.9
fwAVG=1.63
sdW=275.5
fwW=1.51
sdS=808.6
fwS=1.62
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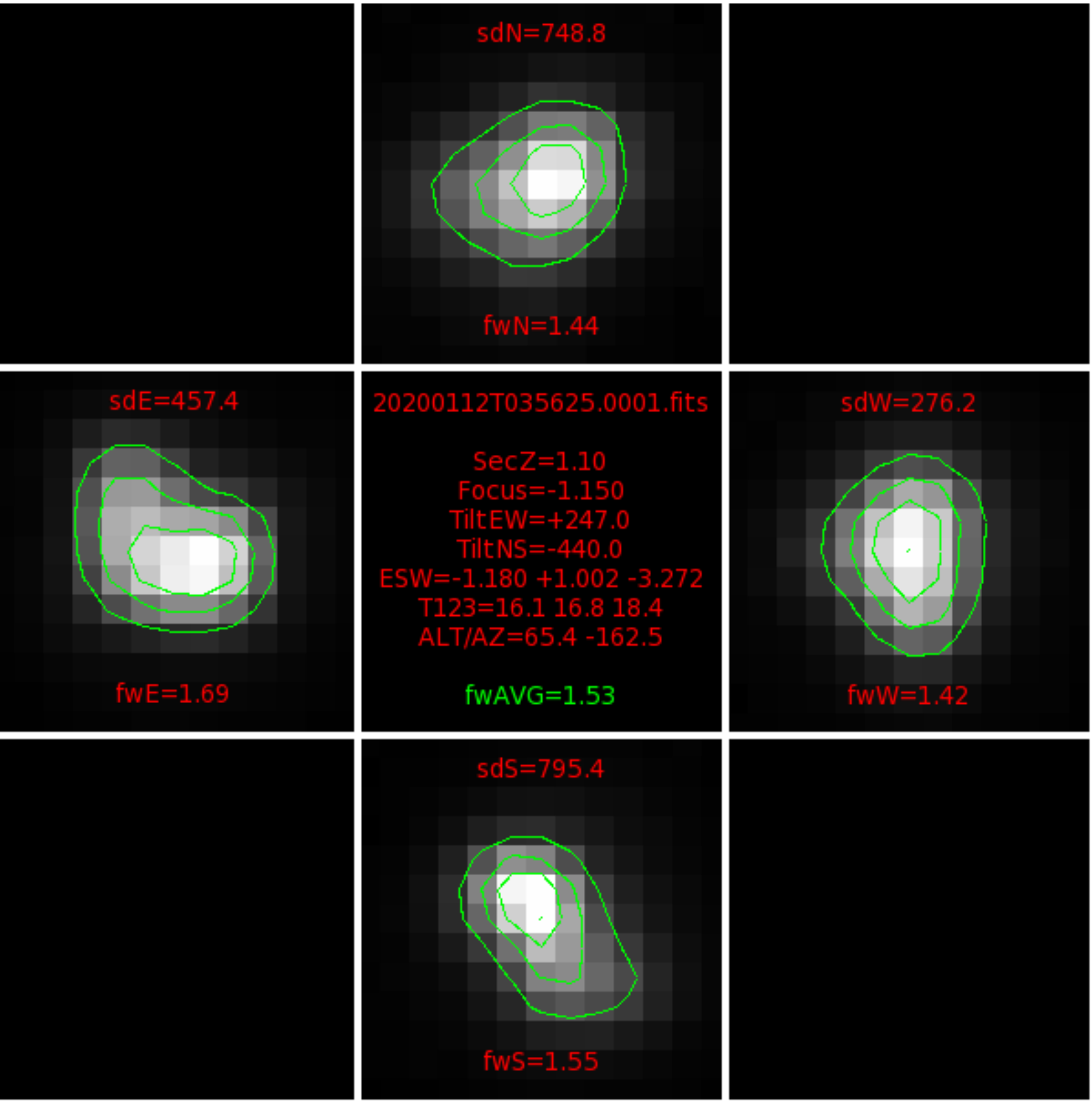
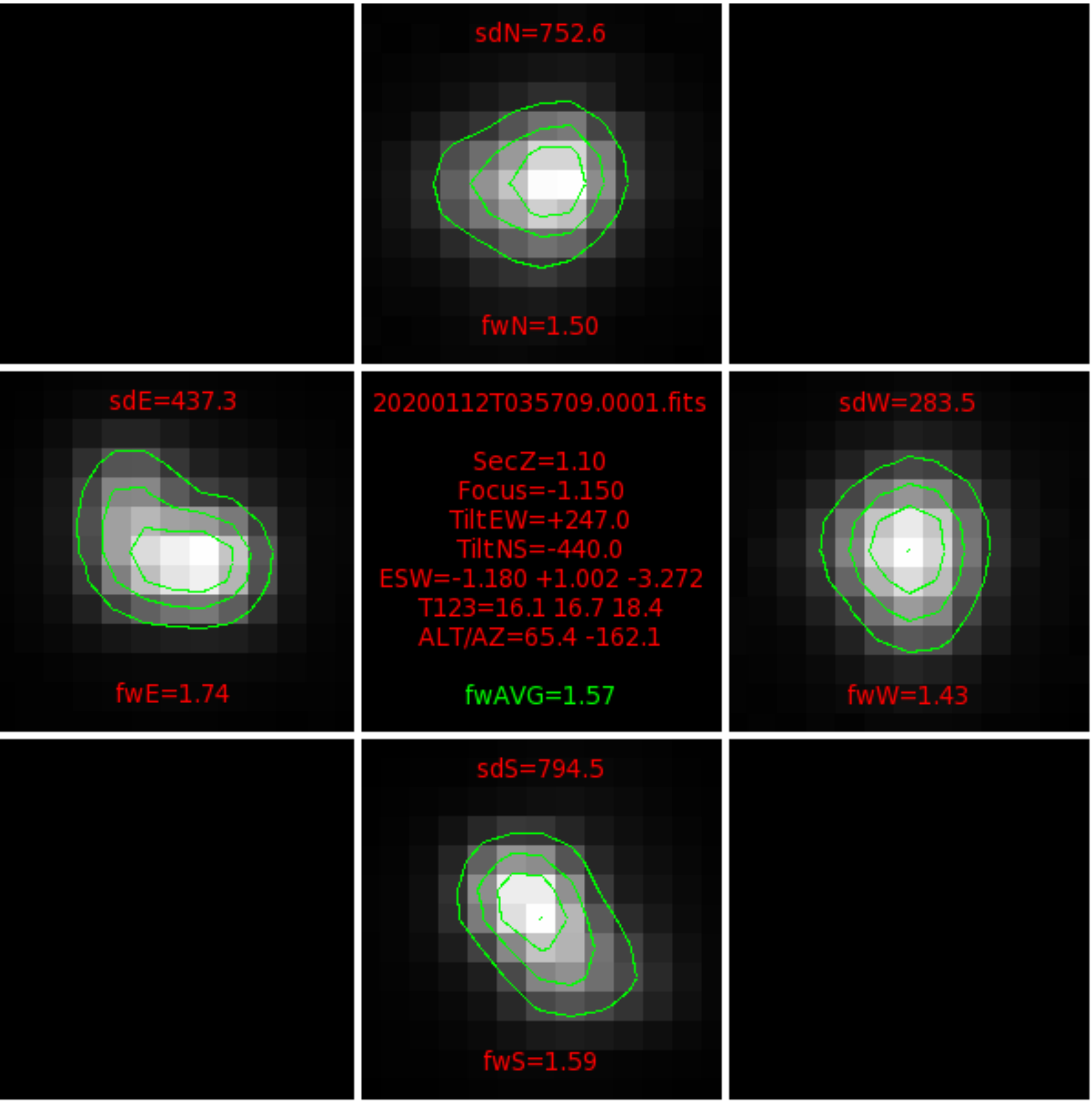

sdN=748.8
fwN=1.44
sdE=457.4
fwE=1.69
20200112T035625.0001.fits
SecZ=1.10
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.1 16.8 18.4
ALT/AZ=65.4 -162.5
fwAVG=1.53
sdW=276.2
fwW=1.42
sdS=795.4
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=752.6
fwN=1.50
sdE=437.3
fwE=1.74
20200112T035709.0001.fits
SecZ=1.10
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.1 16.7 18.4
ALT/AZ=65.4 -162.1
fwAVG=1.57
sdW=283.5
fwW=1.43
sdS=794.5
fwS=1.59
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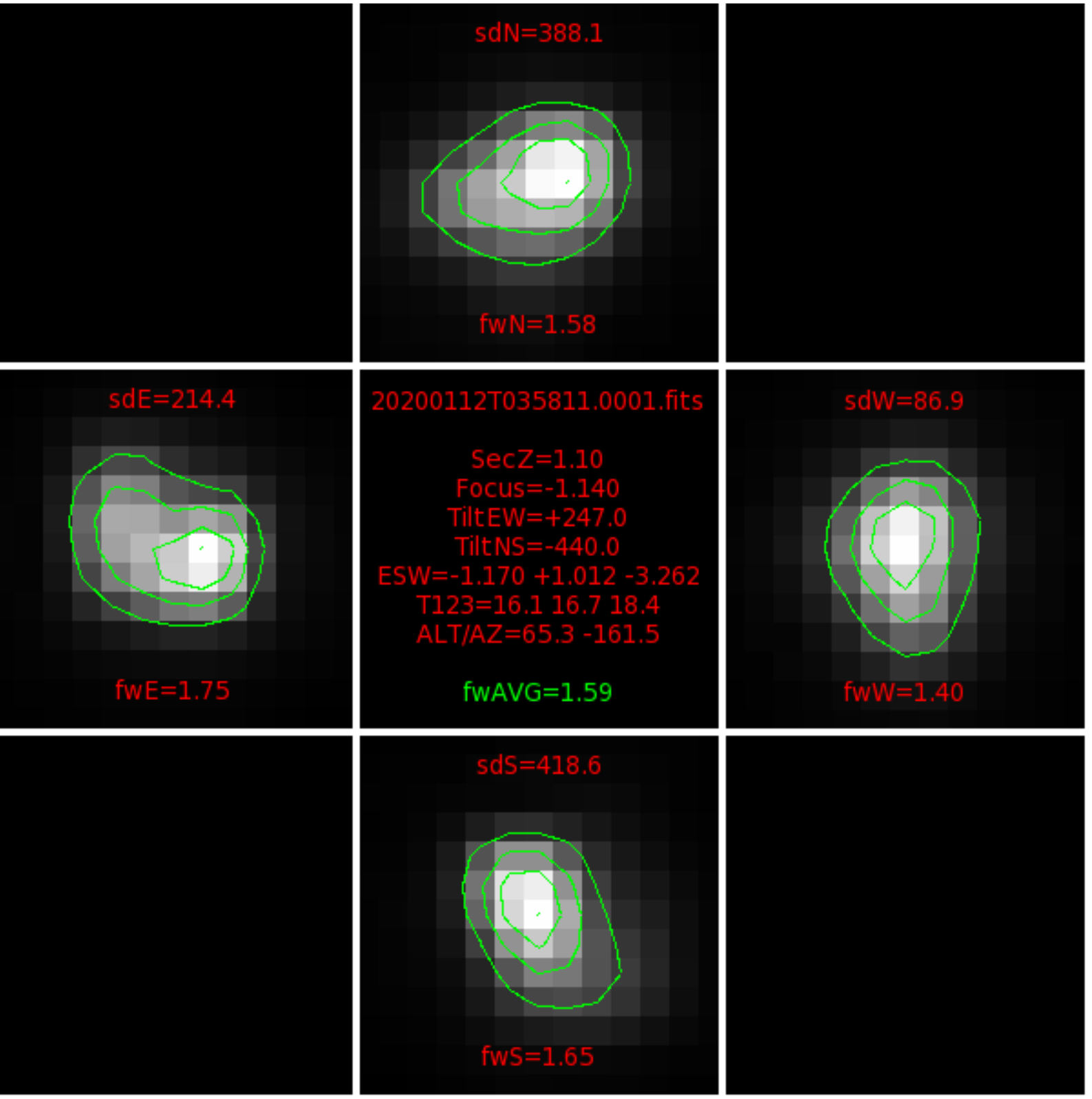
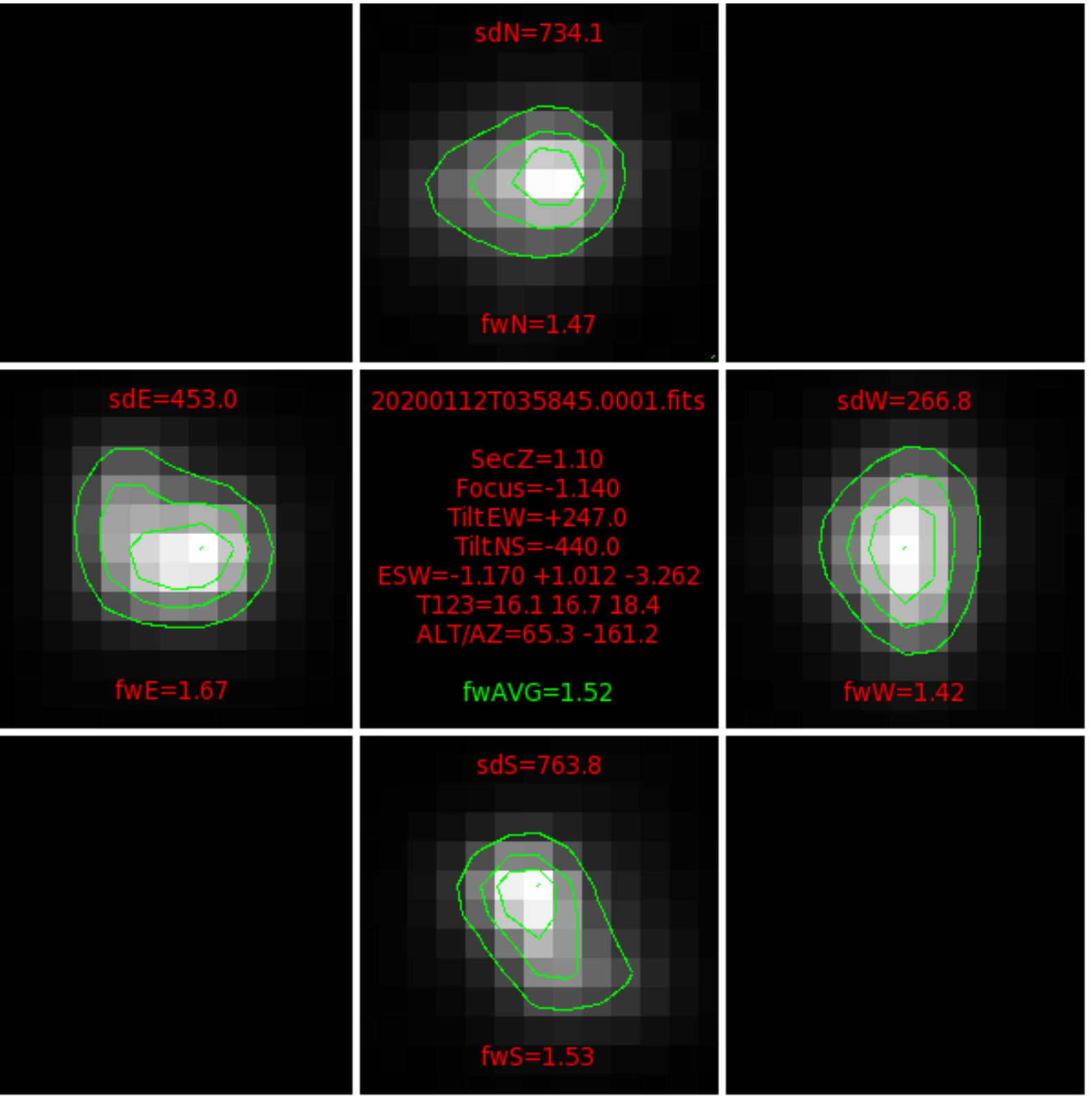
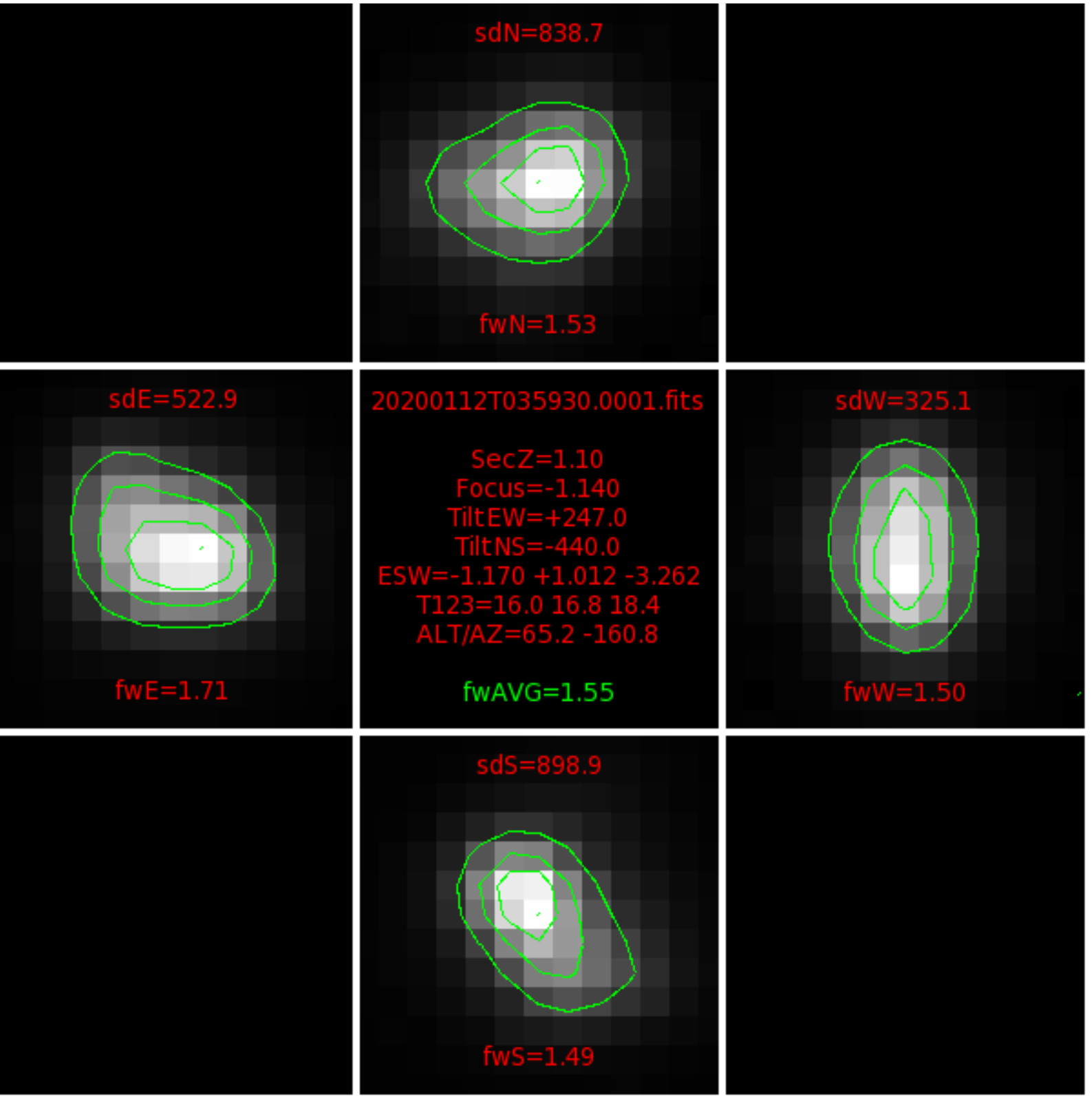
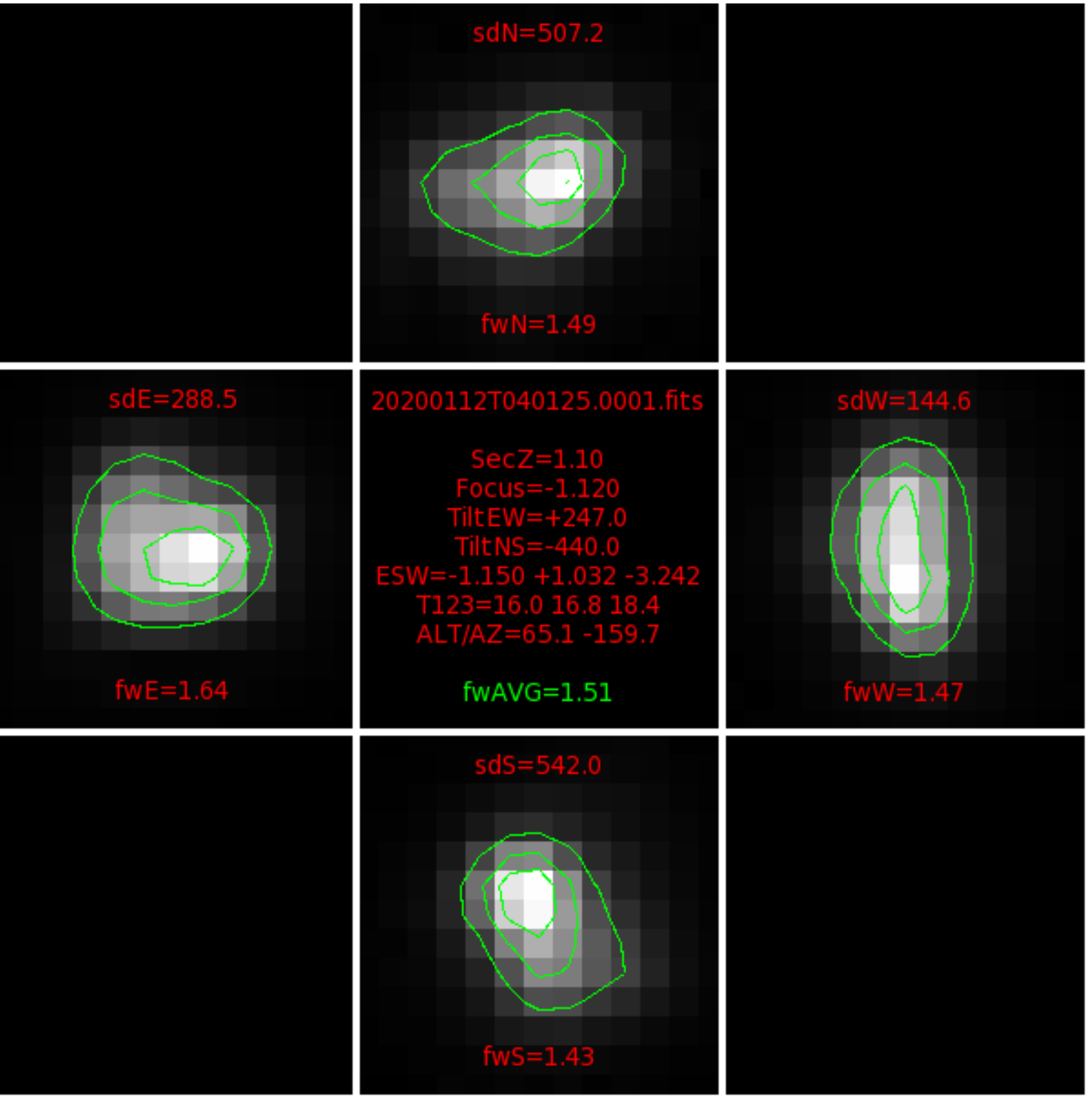

sdN=388.1
fwN=1.58
sdE=214.4
fwE=1.75
20200112T035811.0001.fits
SecZ=1.10
Focus=-1.140
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.170 +1.012 -3.262
T123=16.1 16.7 18.4
ALT/AZ=65.3 -161.5
fwAVG=1.59
sdW=86.9
fwW=1.40
sdS=418.6
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=734.1
fwN=1.47
sdE=453.0
fwE=1.67
20200112T035845.0001.fits
SecZ=1.10
Focus=-1.140
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.170 +1.012 -3.262
T123=16.1 16.7 18.4
ALT/AZ=65.3 -161.2
fwAVG=1.52
sdW=266.8
fwW=1.42
sdS=763.8
fwS=1.53
0 0 0 0 0 0 0 0 0


sdN=838.7
fwN=1.53
sdE=522.9
fwE=1.71
20200112T035930.0001.fits
SecZ=1.10
Focus=-1.140
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.170 +1.012 -3.262
T123=16.0 16.8 18.4
ALT/AZ=65.2 -160.8
fwAVG=1.55
sdW=325.1
fwW=1.50
sdS=898.9
fwS=1.49
0 0 0 0 0 0 0 0 0


sdN=507.2
fwN=1.49
sdE=288.5
fwE=1.64
20200112T040125.0001.fits
SecZ=1.10
Focus=-1.120
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.150 +1.032 -3.242
T123=16.0 16.8 18.4
ALT/AZ=65.1 -159.7
fwAVG=1.51
sdW=144.6
fwW=1.47
sdS=542.0
fwS=1.43
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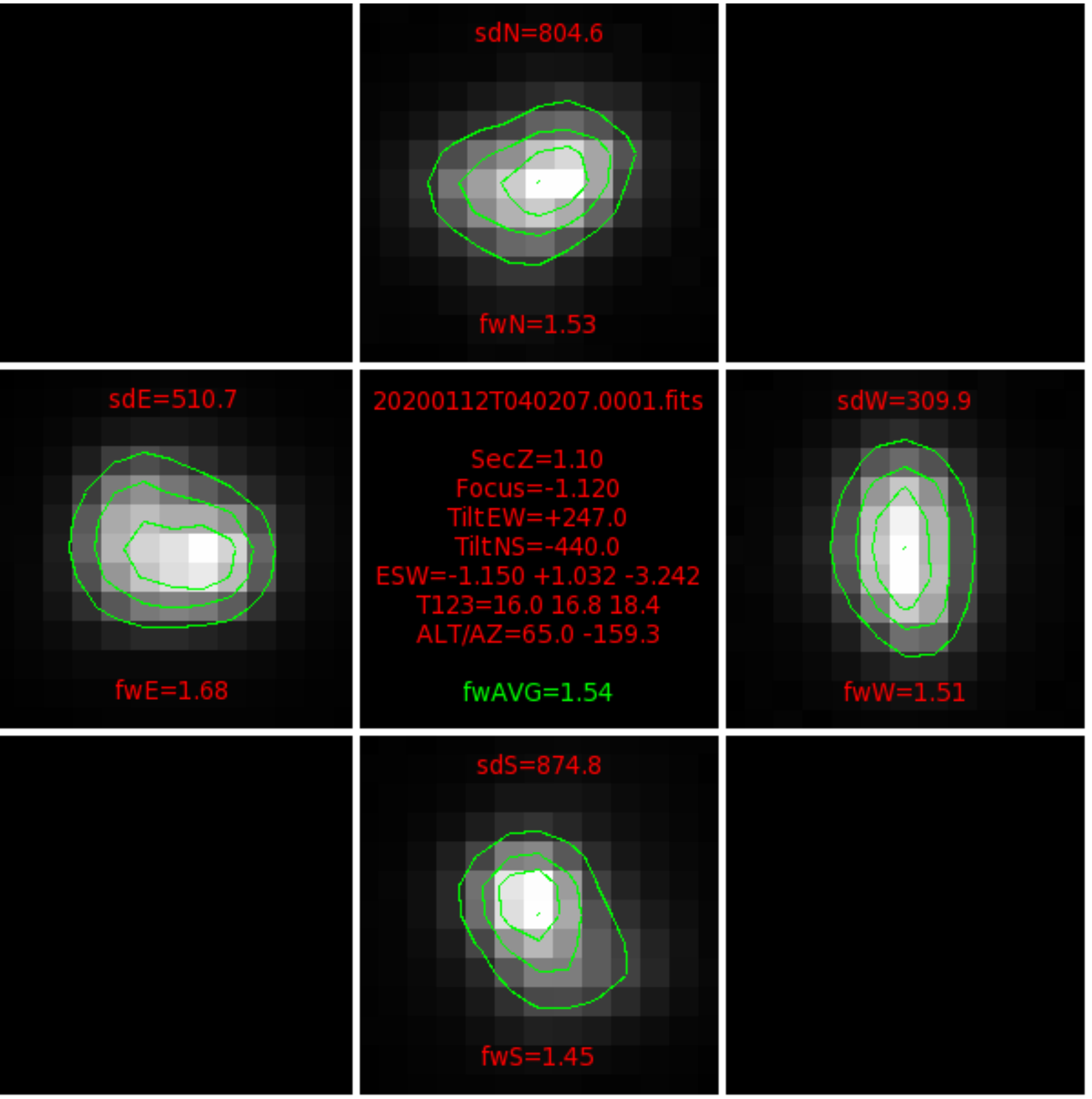
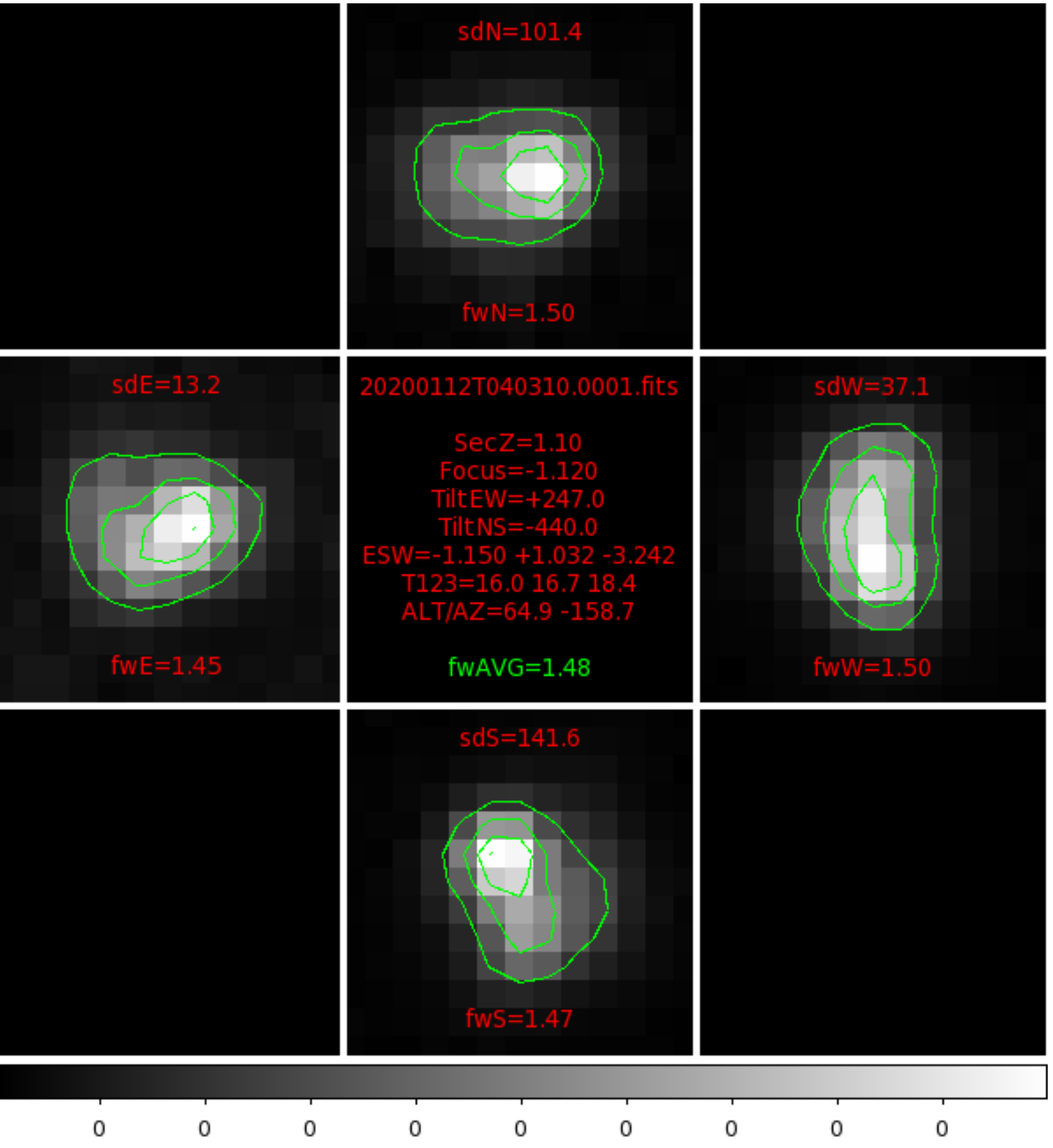
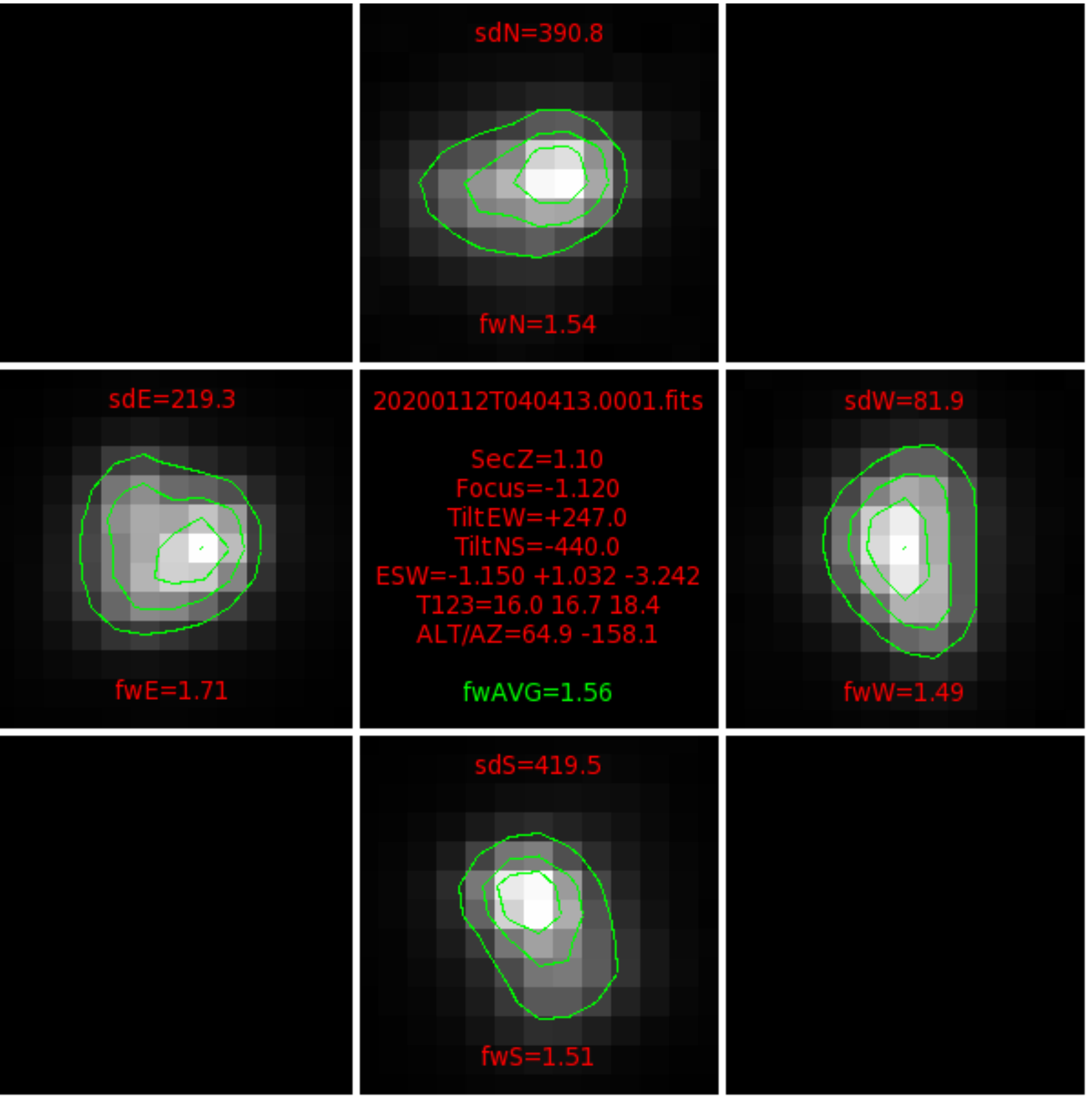
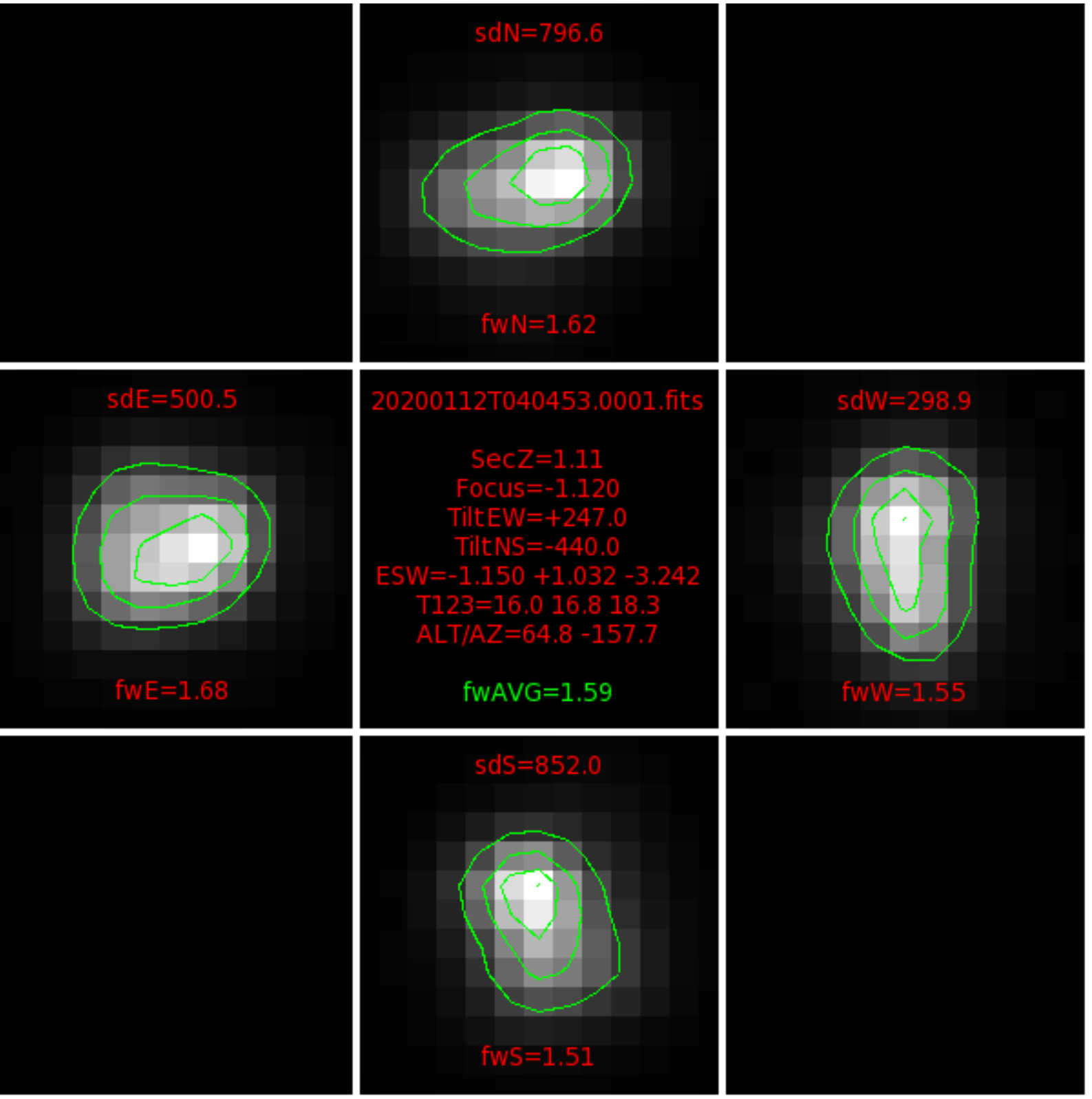
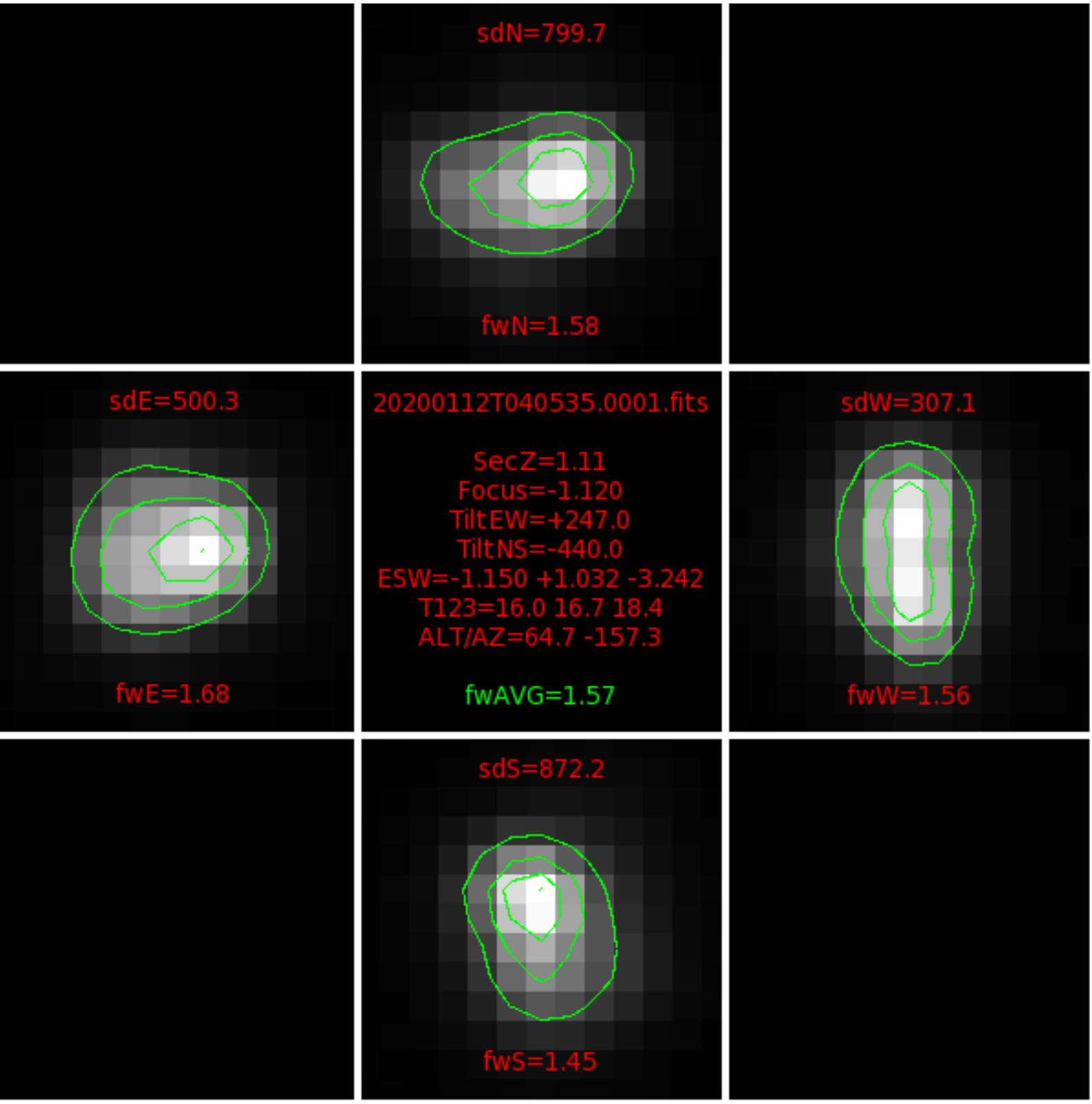

sdN=804.6
fwN=1.53
sdE=510.7
fwE=1.68
20200112T040207.0001.fits
SecZ=1.10
Focus=-1.120
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.150 +1.032 -3.242
T123=16.0 16.8 18.4
ALT/AZ=65.0 -159.3
fwAVG=1.54
sdW=309.9
fwW=1.51
sdS=874.8
fwS=1.45
0 0 0 0 0 0 0 0 0


sdN=101.4
fwN=1.50
sdE=13.2
fwE=1.45
20200112T040310.0001.fits
SecZ=1.10
Focus=-1.120
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.150 +1.032 -3.242
T123=16.0 16.7 18.4
ALT/AZ=64.9 -158.7
fwAVG=1.48
sdW=37.1
fwW=1.50
sdS=141.6
fwS=1.47
0 0 0 0 0 0 0 0 0


sdN=390.8
fwN=1.54
sdE=219.3
fwE=1.71
20200112T040413.0001.fits
SecZ=1.10
Focus=-1.120
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.150 +1.032 -3.242
T123=16.0 16.7 18.4
ALT/AZ=64.9 -158.1
fwAVG=1.56
sdW=81.9
fwW=1.49
sdS=419.5
fwS=1.51
0 0 0 0 0 0 0 0 0


sdN=796.6
fwN=1.62
sdE=500.5
fwE=1.68
20200112T040453.0001.fits
SecZ=1.11
Focus=-1.120
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.150 +1.032 -3.242
T123=16.0 16.8 18.3
ALT/AZ=64.8 -157.7
fwAVG=1.59
sdW=298.9
fwW=1.55
sdS=852.0
fwS=1.51
0 0 0 0 0 0 0 0 0


sdN=799.7
fwN=1.58
sdE=500.3
fwE=1.68
20200112T040535.0001.fits
SecZ=1.11
Focus=-1.120
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.150 +1.032 -3.242
T123=16.0 16.7 18.4
ALT/AZ=64.7 -157.3
fwAVG=1.57
sdW=307.1
fwW=1.56
sdS=872.2
fwS=1.45
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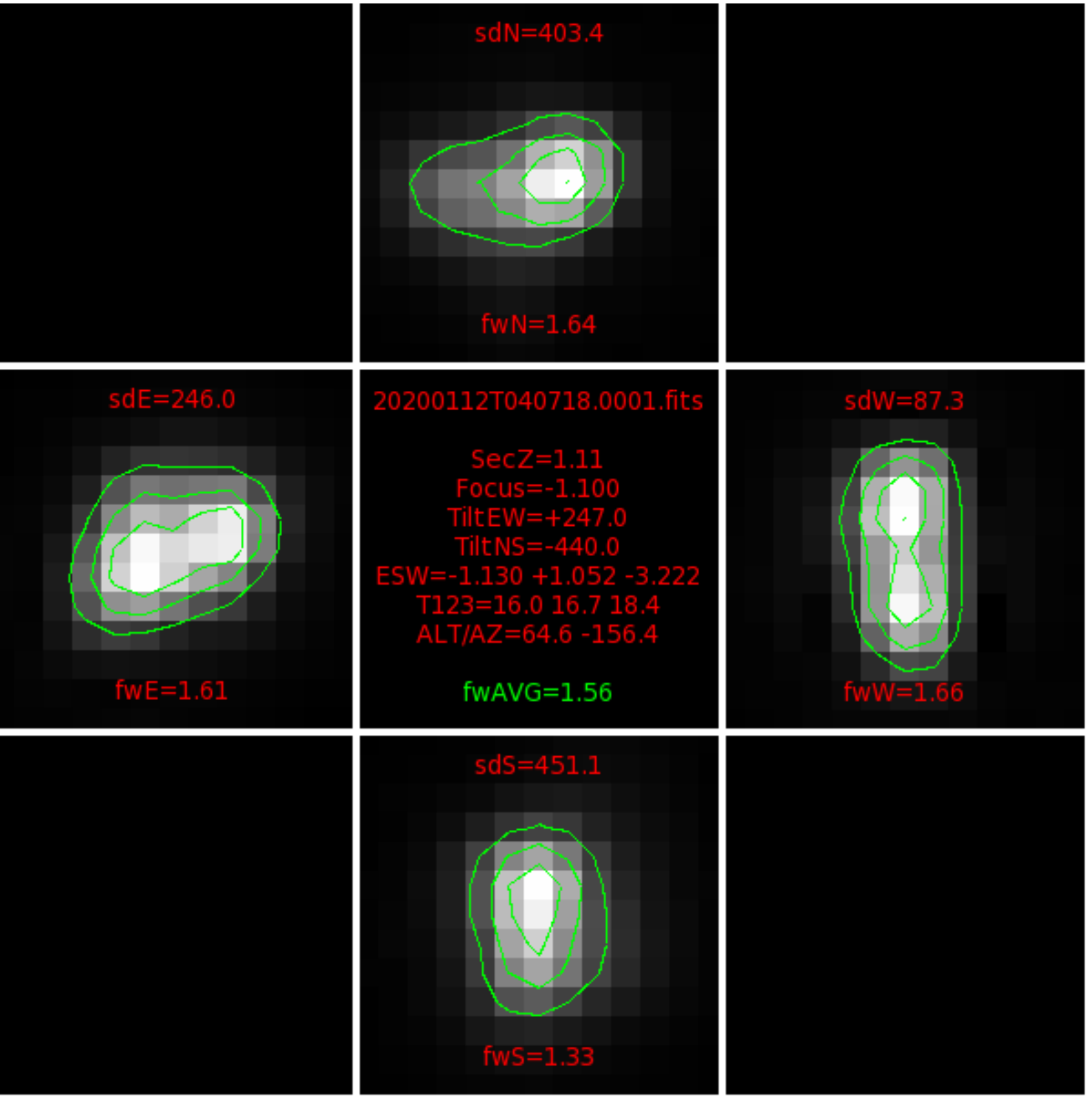
sdN=403.4
fwN=1.64
sdE=246.0
fwE=1.61
20200112T040718.0001.fits
SecZ=1.11
Focus=-1.100
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.130 +1.052 -3.222
T123=16.0 16.7 18.4
ALT/AZ=64.6 -156.4
fwAVG=1.56
sdW=87.3
fwW=1.66
sdS=451.1
fwS=1.33
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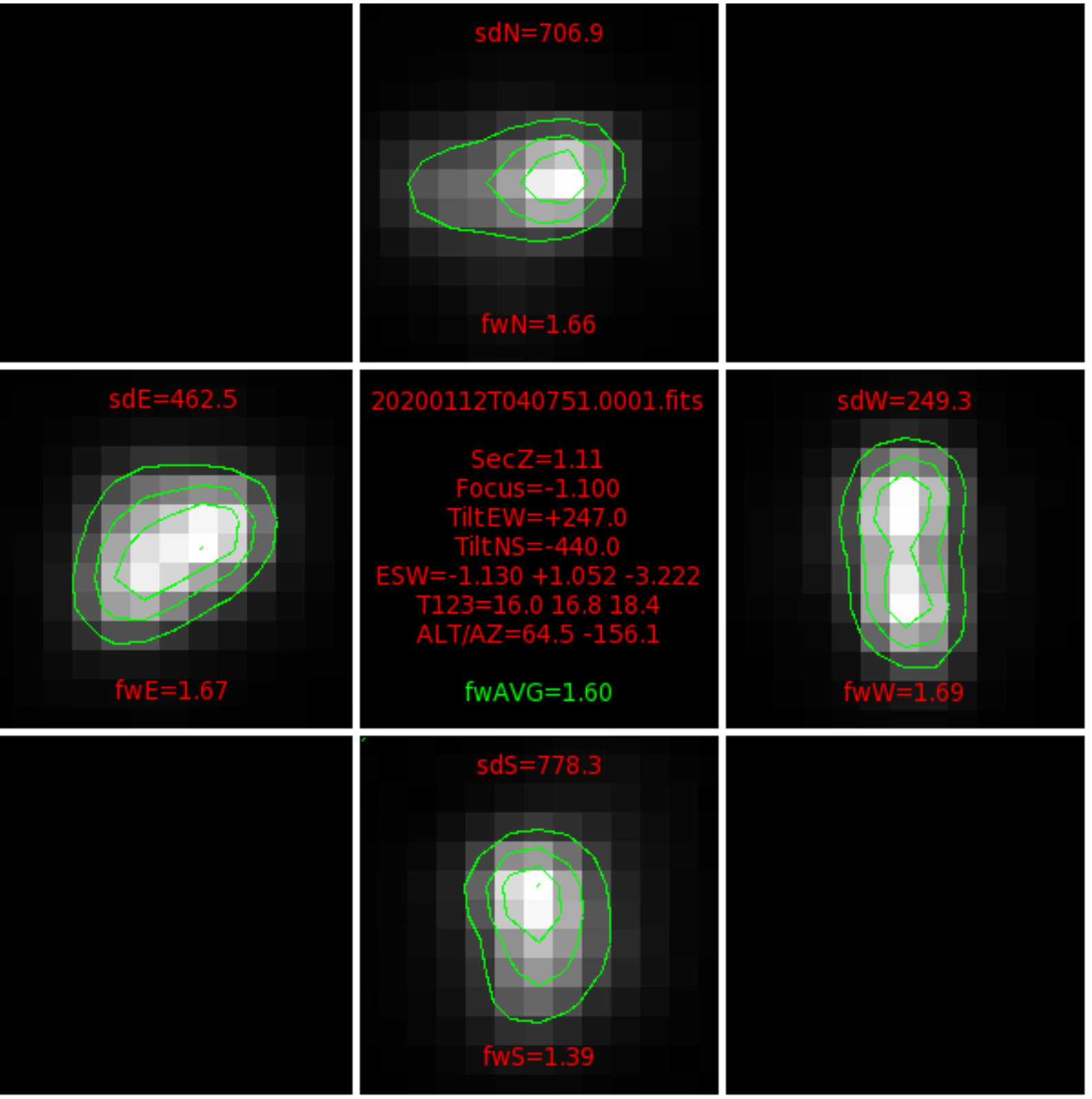
sdN=706.9
fwN=1.66
sdE=462.5
fwE=1.67
20200112T040751.0001.fits
SecZ=1.11
Focus=-1.100
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.130 +1.052 -3.222
T123=16.0 16.8 18.4
ALT/AZ=64.5 -156.1
fwAVG=1.60
sdW=249.3
fwW=1.69
sdS=778.3
fwS=1.39
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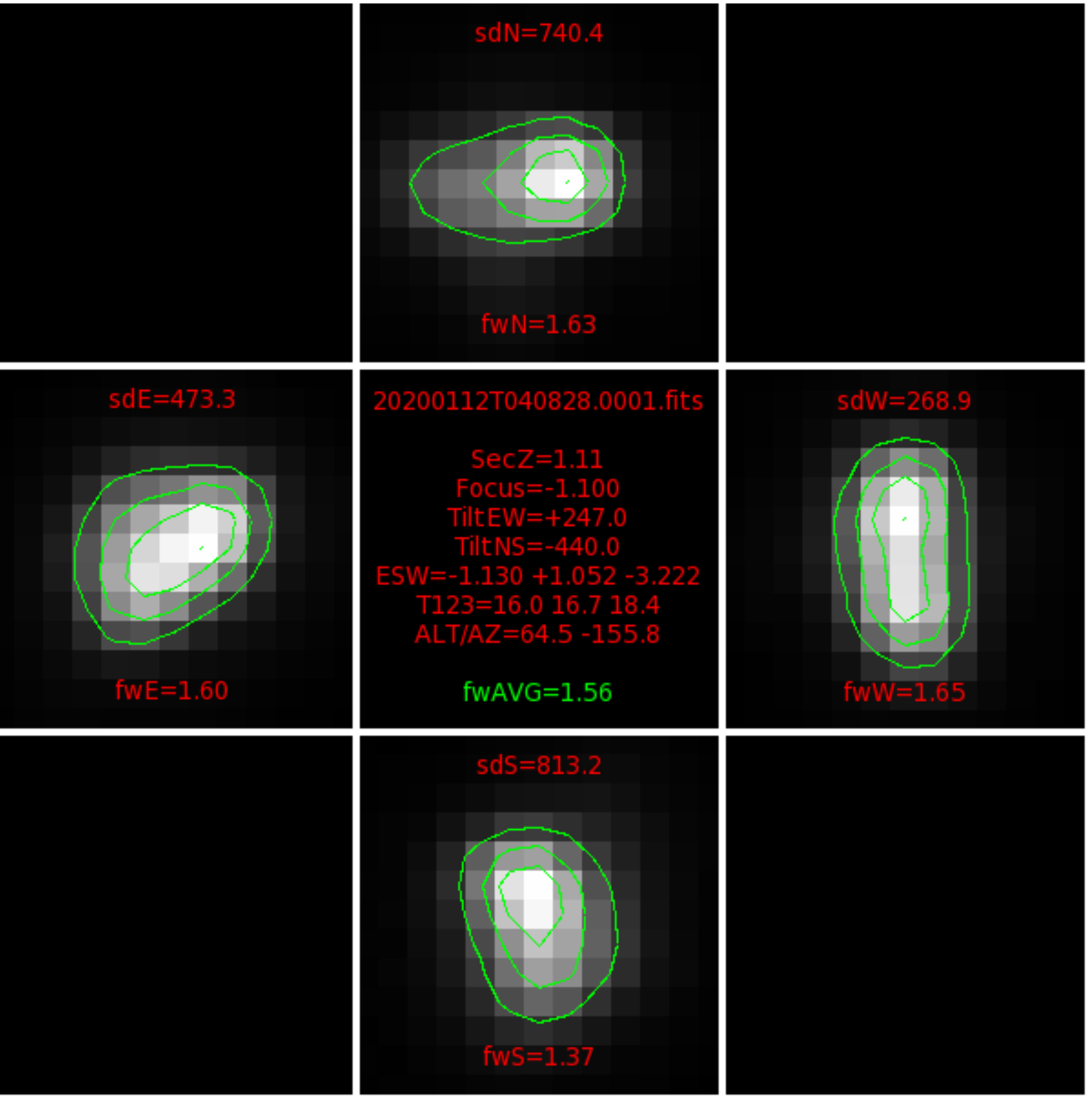
sdN=740.4
fwN=1.63
sdE=473.3
fwE=1.60
20200112T040828.0001.fits
SecZ=1.11
Focus=-1.100
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.130 +1.052 -3.222
T123=16.0 16.7 18.4
ALT/AZ=64.5 -155.8
fwAVG=1.56
sdW=268.9
fwW=1.65
sdS=813.2
fwS=1.37
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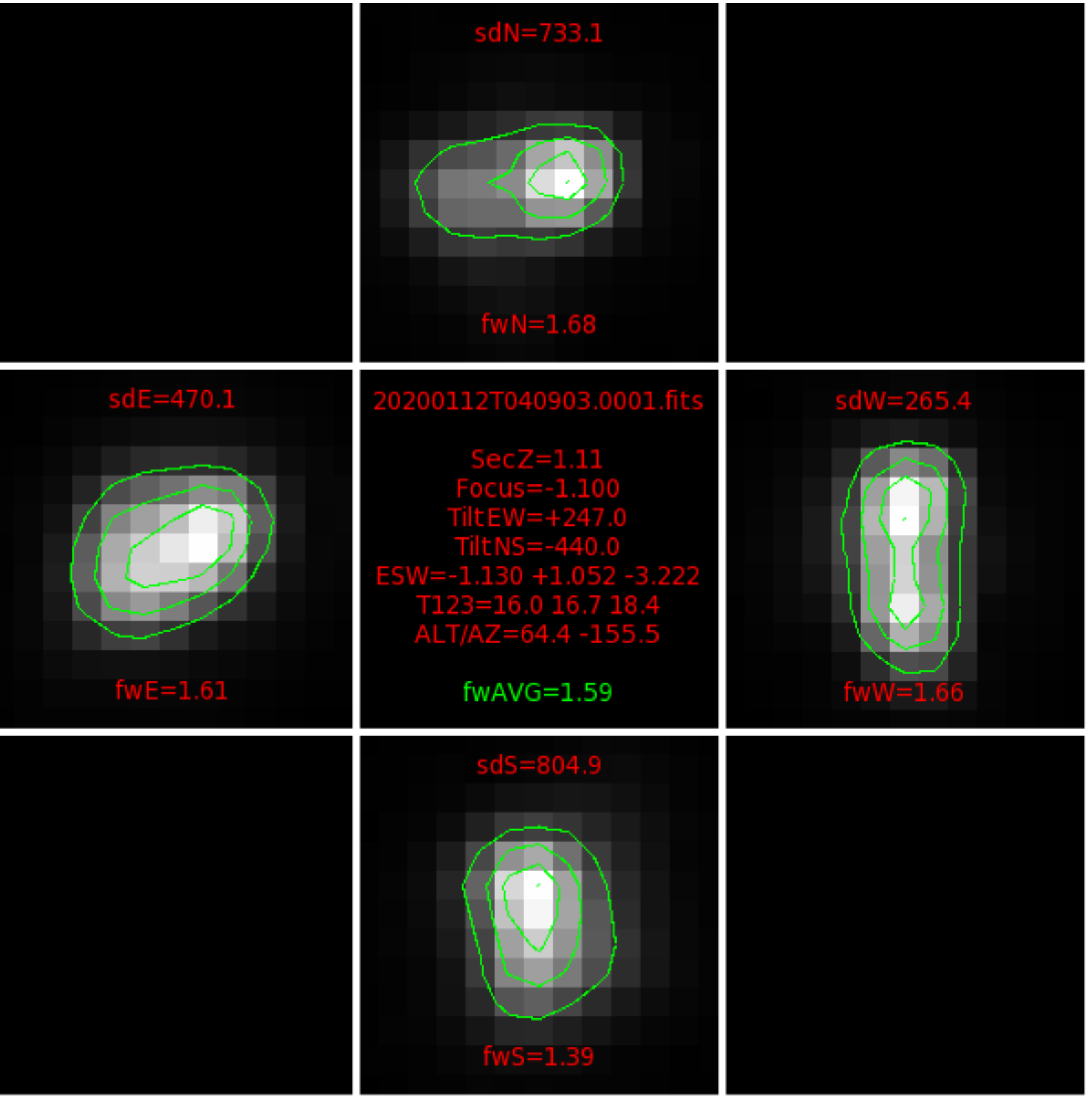
sdN=733.1
fwN=1.68
sdE=470.1
fwE=1.61
20200112T040903.0001.fits
SecZ=1.11
Focus=-1.100
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.130 +1.052 -3.222
T123=16.0 16.7 18.4
ALT/AZ=64.4 -155.5
fwAVG=1.59
sdW=265.4
fwW=1.66
sdS=804.9
fwS=1.39
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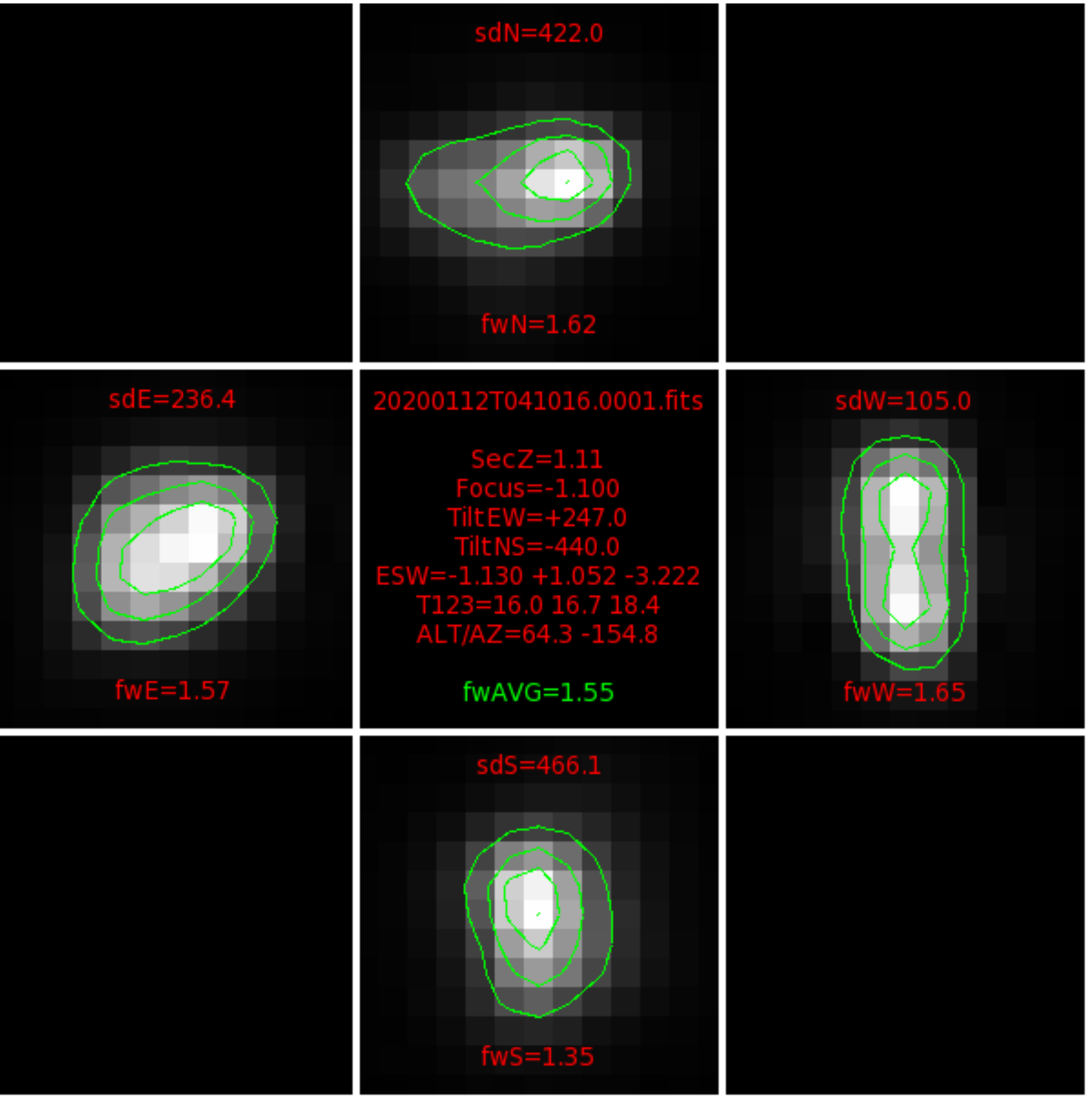
sdN=422.0
fwN=1.62
sdE=236.4
fwE=1.57
20200112T041016.0001.fits
SecZ=1.11
Focus=-1.100
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.130 +1.052 -3.222
T123=16.0 16.7 18.4
ALT/AZ=64.3 -154.8
fwAVG=1.55
sdW=105.0
fwW=1.65
sdS=466.1
fwS=1.35
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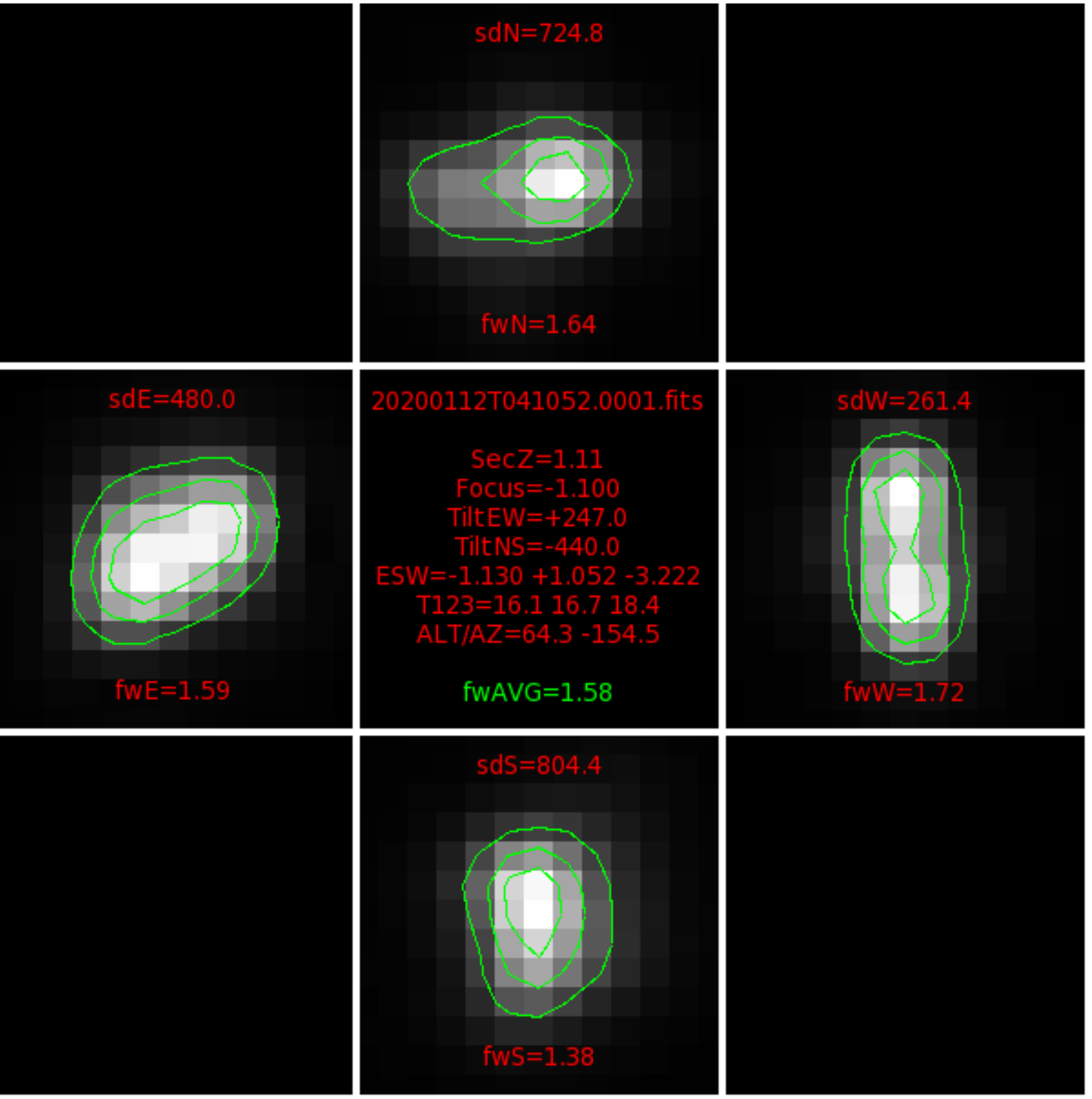
sdN=724.8
fwN=1.64
sdE=480.0
fwE=1.59
20200112T041052.0001.fits
SecZ=1.11
Focus=-1.100
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.130 +1.052 -3.222
T123=16.1 16.7 18.4
ALT/AZ=64.3 -154.5
fwAVG=1.58
sdW=261.4
fwW=1.72
sdS=804.4
fwS=1.38
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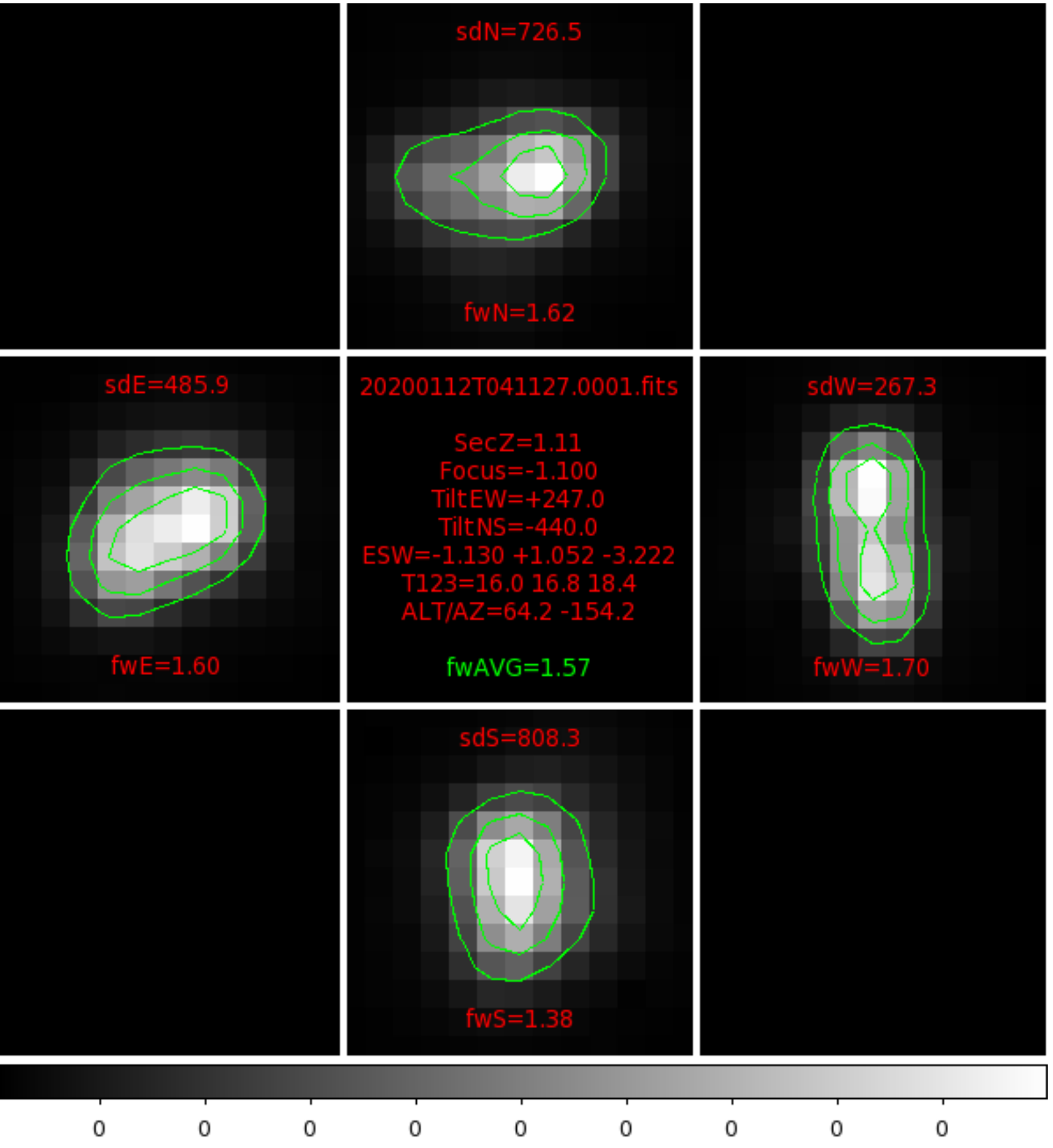
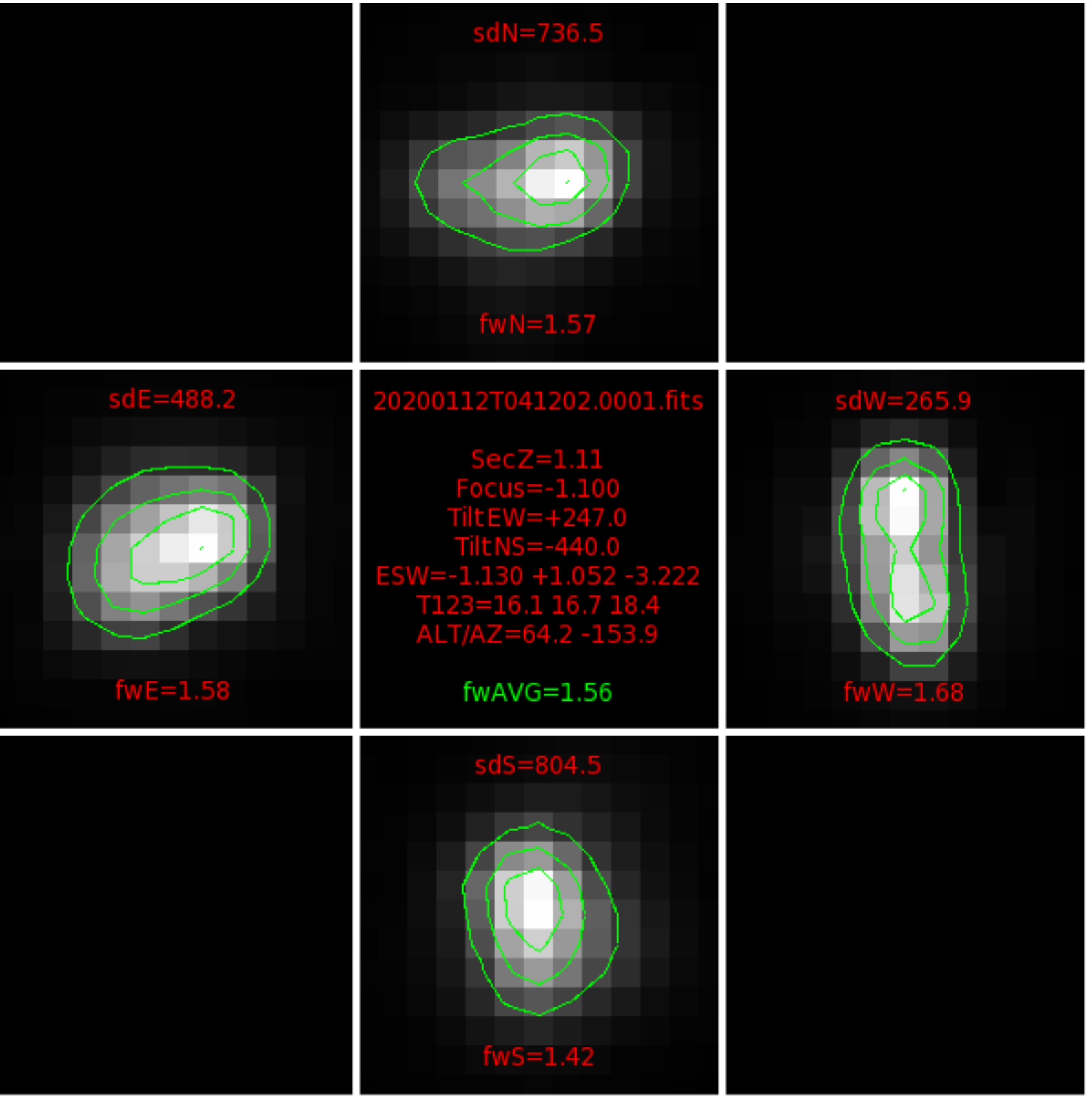

sdN=726.5
fwN=1.62
sdE=485.9
fwE=1.60
20200112T041127.0001.fits
SecZ=1.11
Focus=-1.100
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.130 +1.052 -3.222
T123=16.0 16.8 18.4
ALT/AZ=64.2 -154.2
fwAVG=1.57
sdW=267.3
fwW=1.70
sdS=808.3
fwS=1.38
0 0 0 0 0 0 0 0 0


sdN=736.5
fwN=1.57
sdE=488.2
fwE=1.58
20200112T041202.0001.fits
SecZ=1.11
Focus=-1.100
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.130 +1.052 -3.222
T123=16.1 16.7 18.4
ALT/AZ=64.2 -153.9
fwAVG=1.56
sdW=265.9
fwW=1.68
sdS=804.5
fwS=1.42
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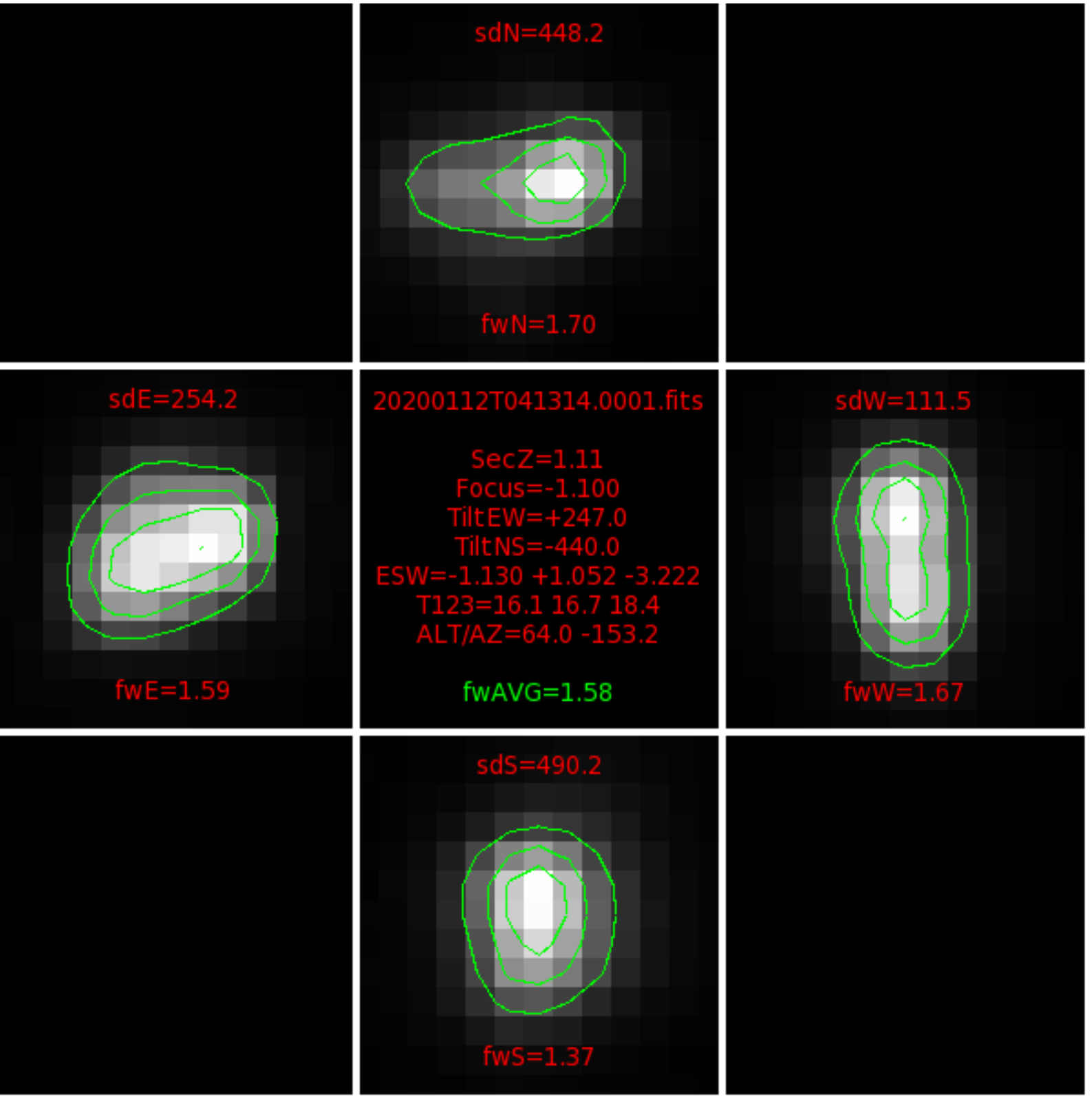
sdN=448.2
fwN=1.70
sdE=254.2
fwE=1.59
20200112T041314.0001.fits
SecZ=1.11
Focus=-1.100
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.130 +1.052 -3.222
T123=16.1 16.7 18.4
ALT/AZ=64.0 -153.2
fwAVG=1.58
sdW=111.5
fwW=1.67
sdS=490.2
fwS=1.37
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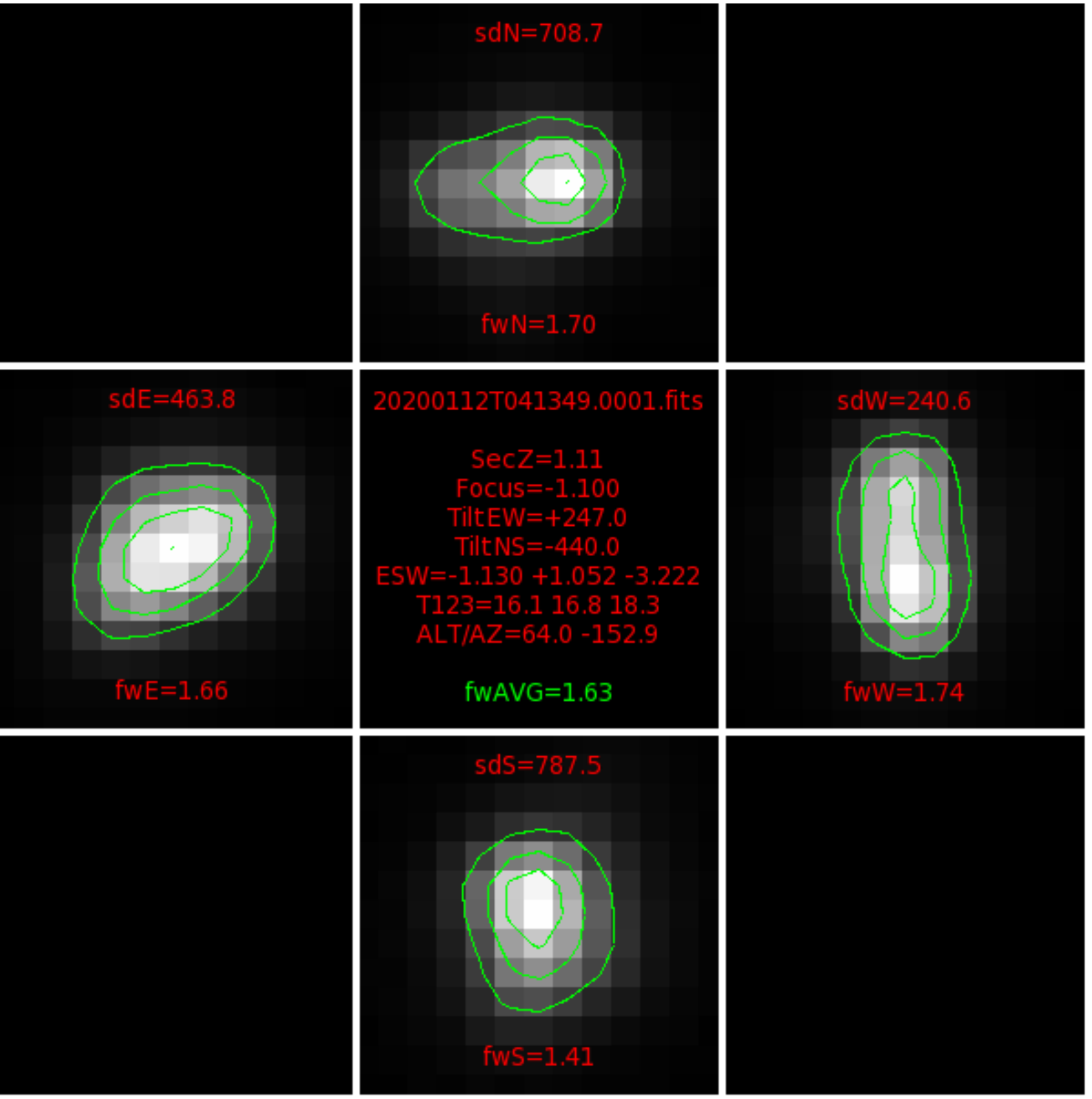
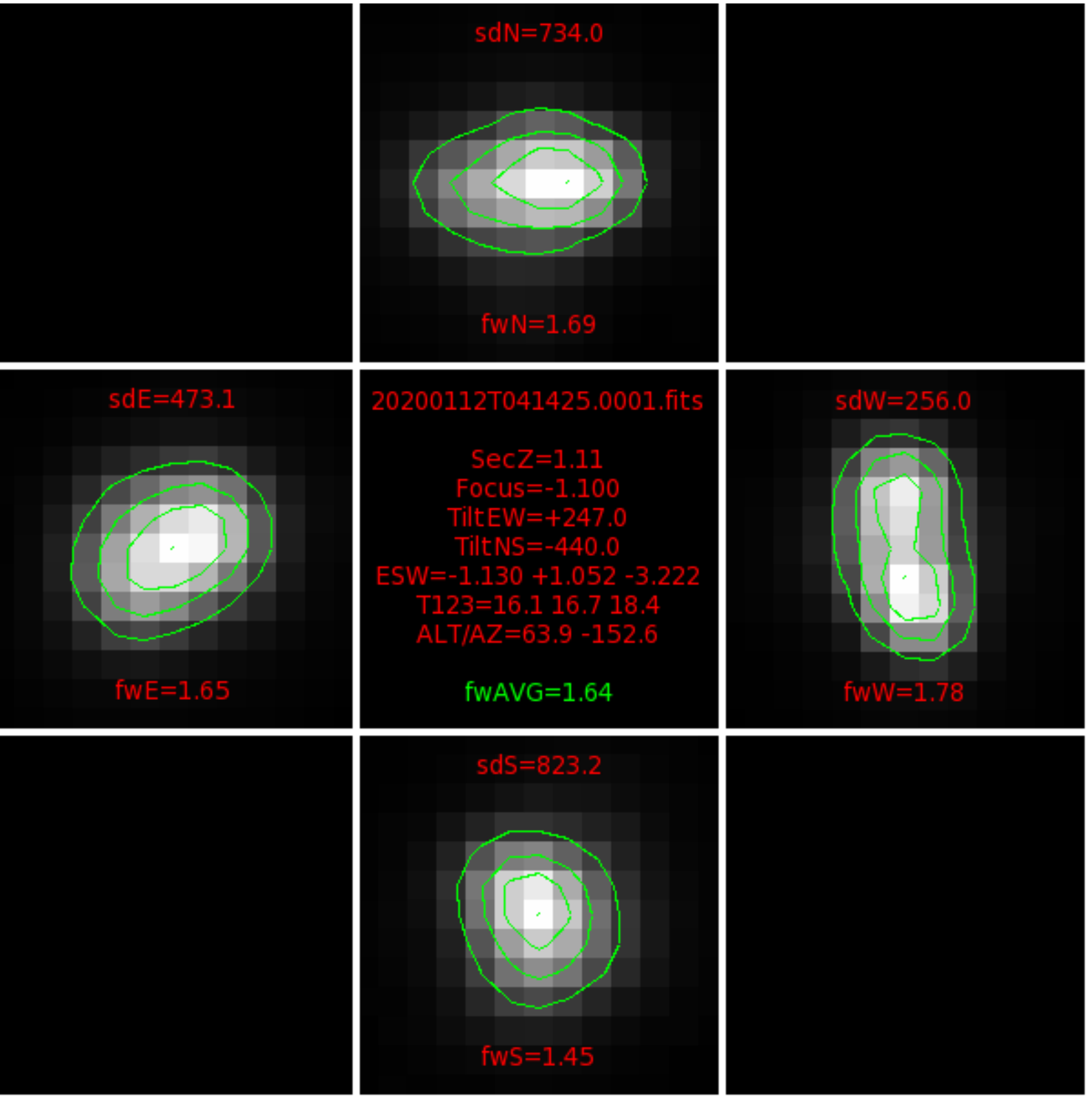

sdN=708.7
fwN=1.70
sdE=463.8
fwE=1.66
20200112T041349.0001.fits
SecZ=1.11
Focus=-1.100
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.130 +1.052 -3.222
T123=16.1 16.8 18.3
ALT/AZ=64.0 -152.9
fwAVG=1.63
sdW=240.6
fwW=1.74
sdS=787.5
fwS=1.41
0 0 0 0 0 0 0 0 0


sdN=734.0
fwN=1.69
sdE=473.1
fwE=1.65
20200112T041425.0001.fits
SecZ=1.11
Focus=-1.100
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.130 +1.052 -3.222
T123=16.1 16.7 18.4
ALT/AZ=63.9 -152.6
fwAVG=1.64
sdW=256.0
fwW=1.78
sdS=823.2
fwS=1.45
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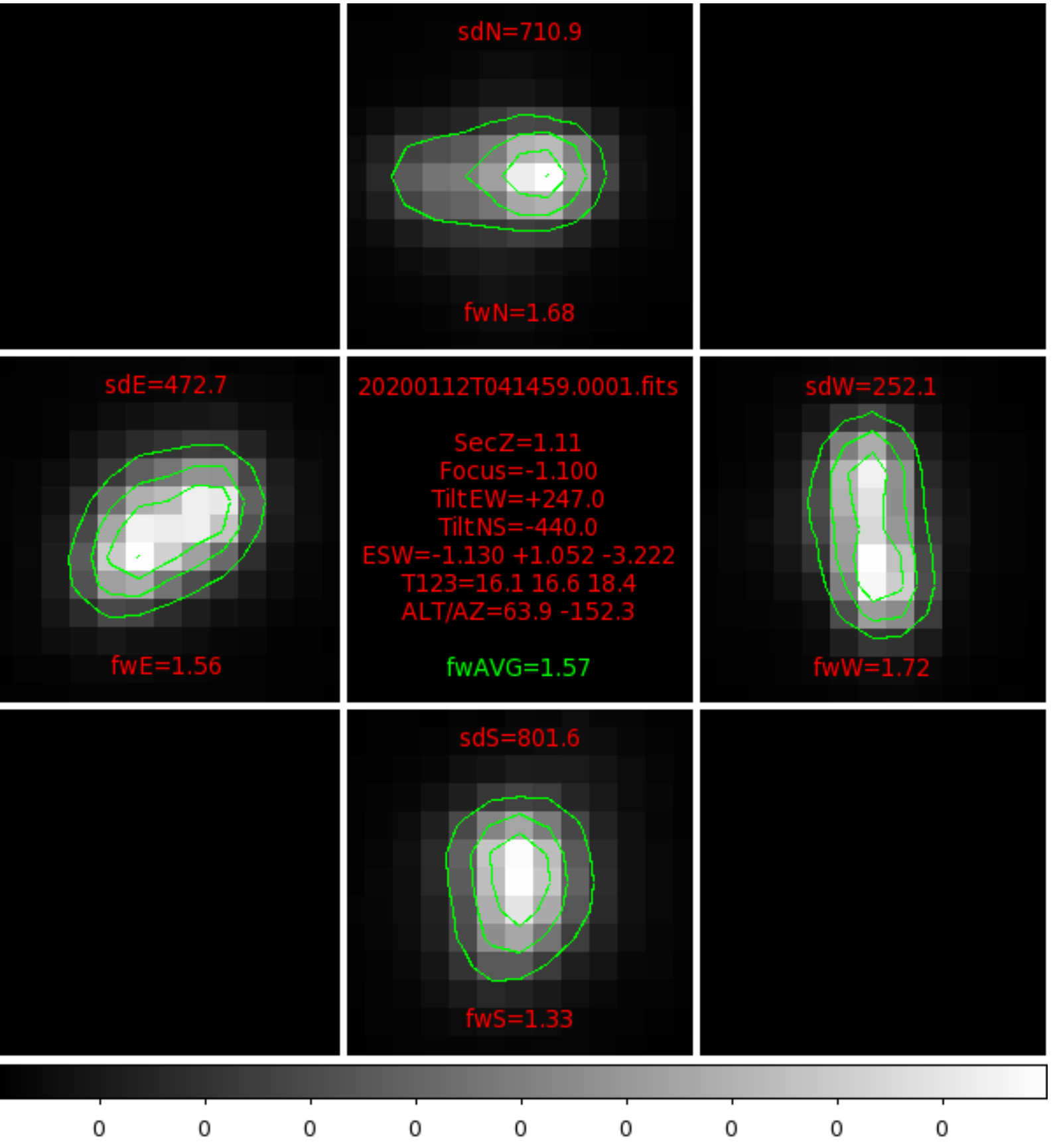
sdN=710.9
fwN=1.68
sdE=472.7
fwE=1.56
20200112T041459.0001.fits
SecZ=1.11
Focus=-1.100
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.130 +1.052 -3.222
T123=16.1 16.6 18.4
ALT/AZ=63.9 -152.3
fwAVG=1.57
sdW=252.1
fwW=1.72
sdS=801.6
fwS=1.33
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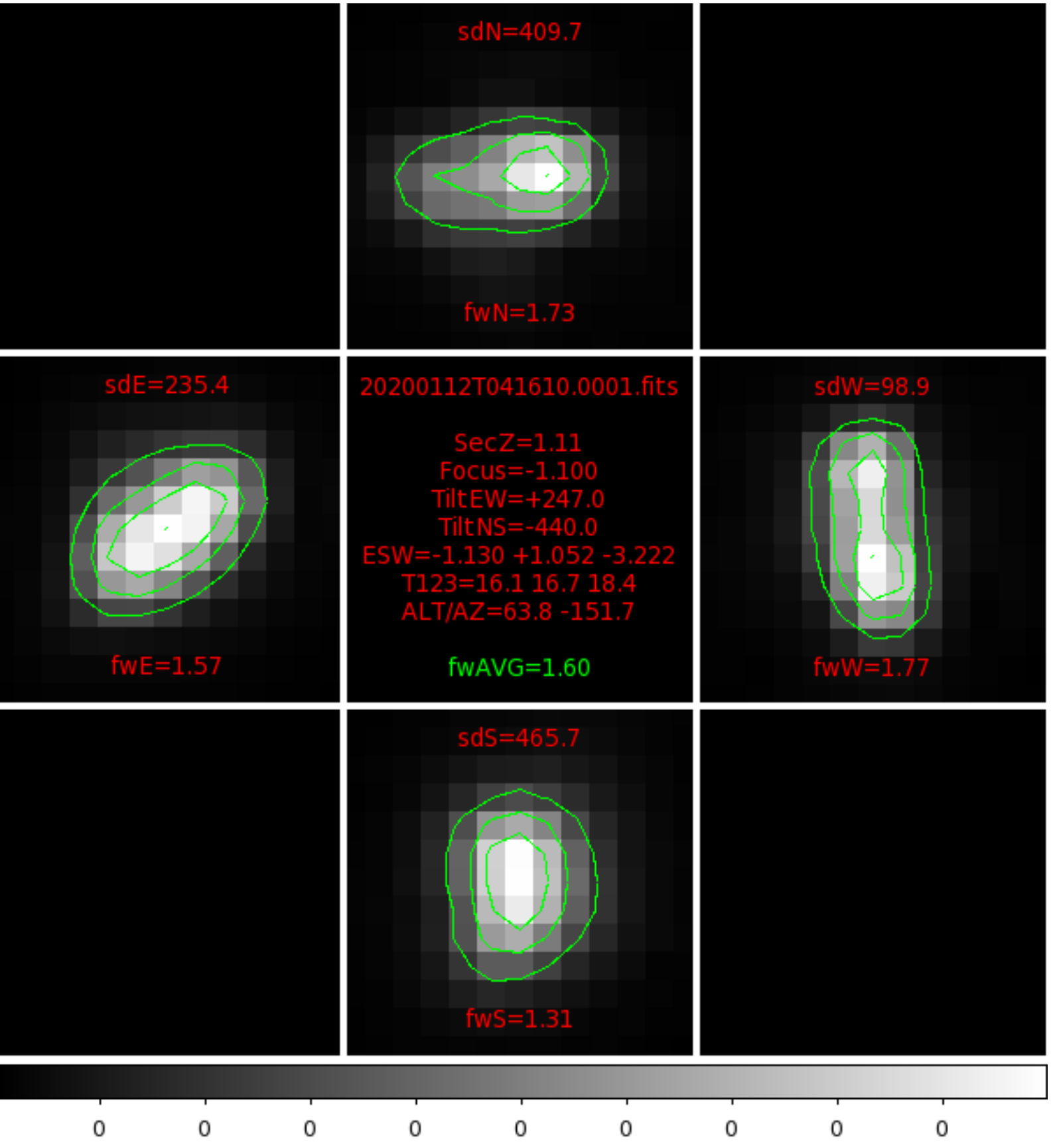
sdN=409.7
fwN=1.73
sdE=235.4
fwE=1.57
20200112T041610.0001.fits
SecZ=1.11
Focus=-1.100
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.130 +1.052 -3.222
T123=16.1 16.7 18.4
ALT/AZ=63.8 -151.7
fwAVG=1.60
sdW=98.9
fwW=1.77
sdS=465.7
fwS=1.31
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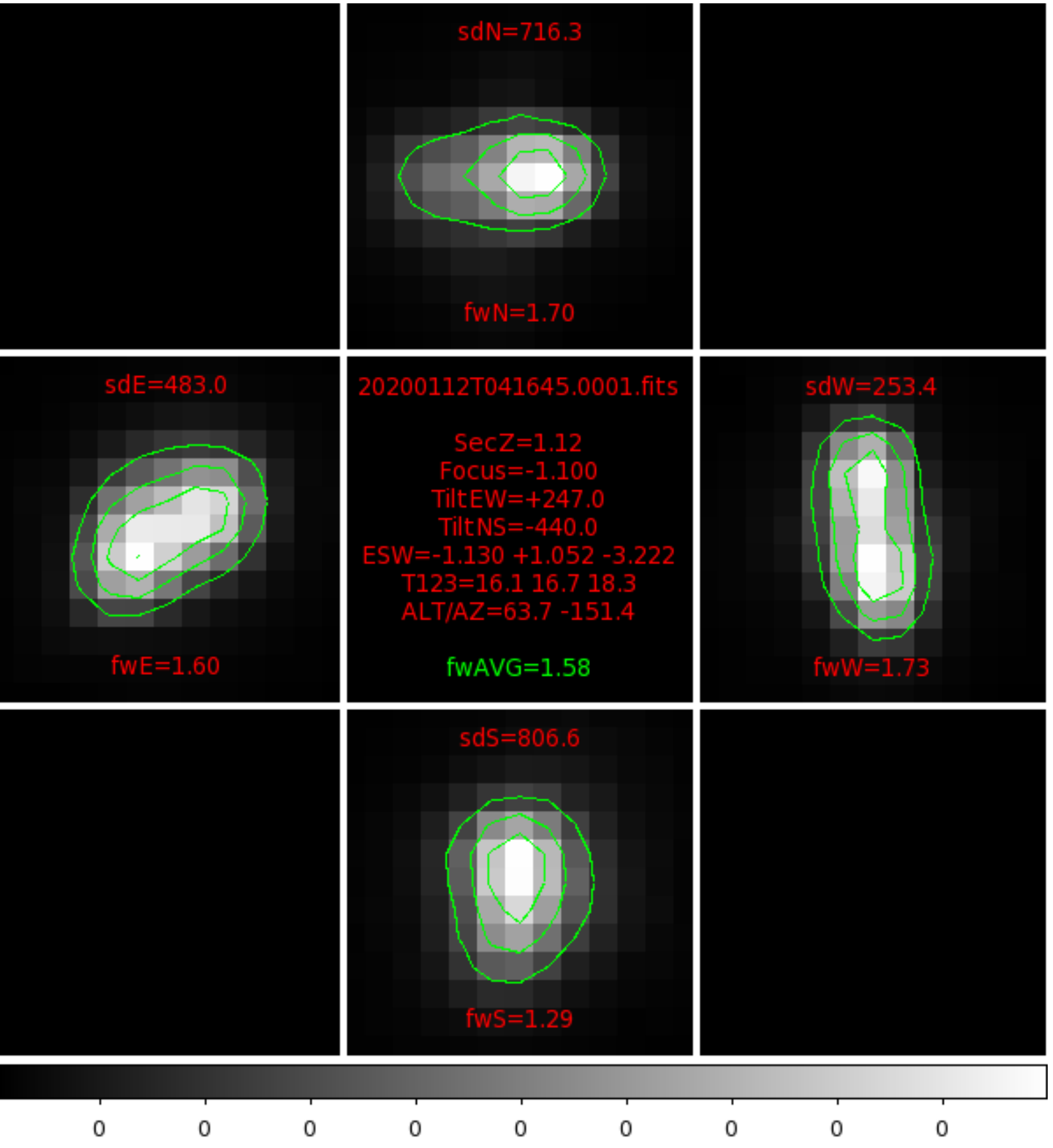
sdN=716.3
fwN=1.70
sdE=483.0
fwE=1.60
20200112T041645.0001.fits
SecZ=1.12
Focus=-1.100
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.130 +1.052 -3.222
T123=16.1 16.7 18.3
ALT/AZ=63.7 -151.4
fwAVG=1.58
sdW=253.4
fwW=1.73
sdS=806.6
fwS=1.29
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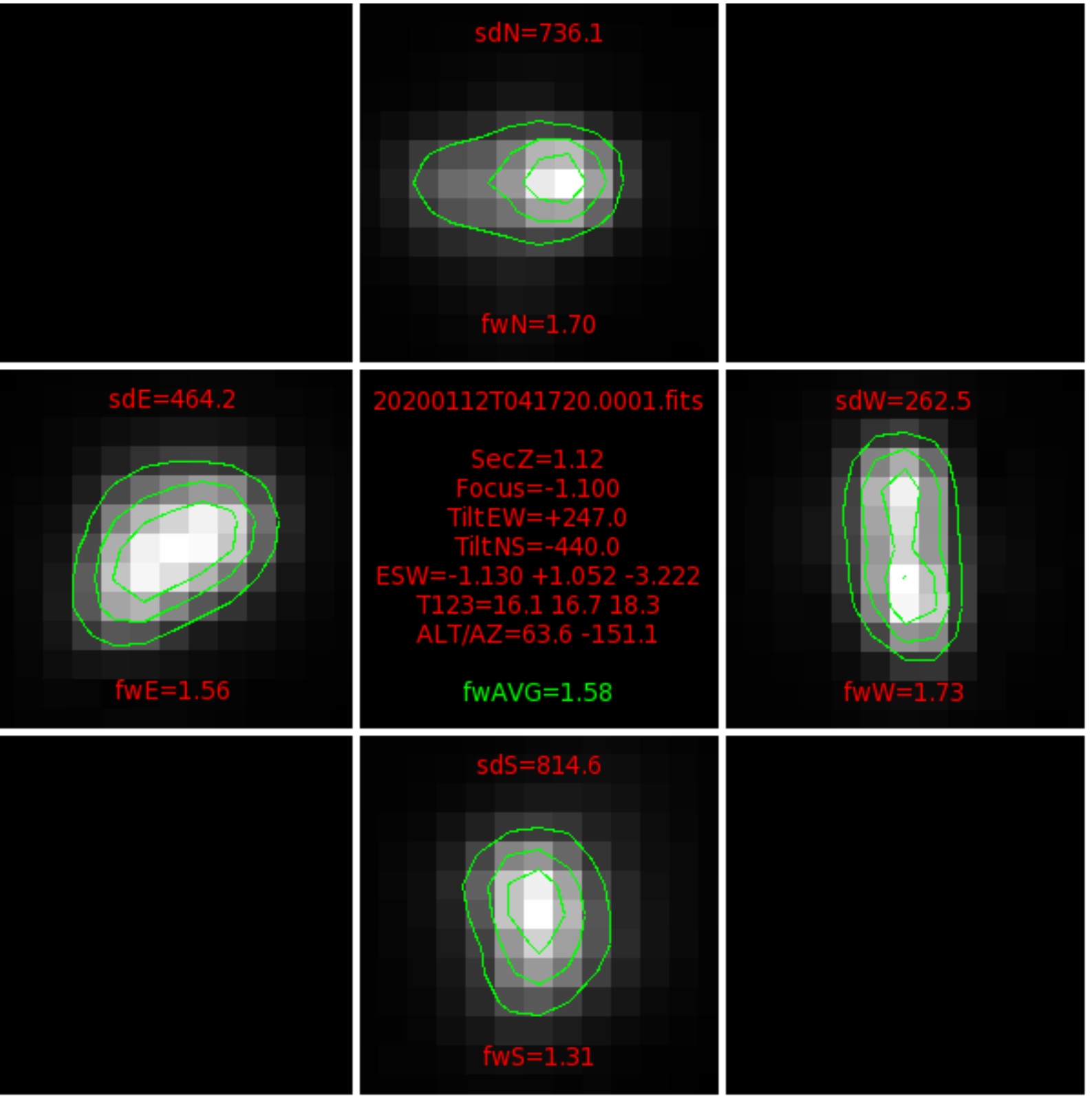
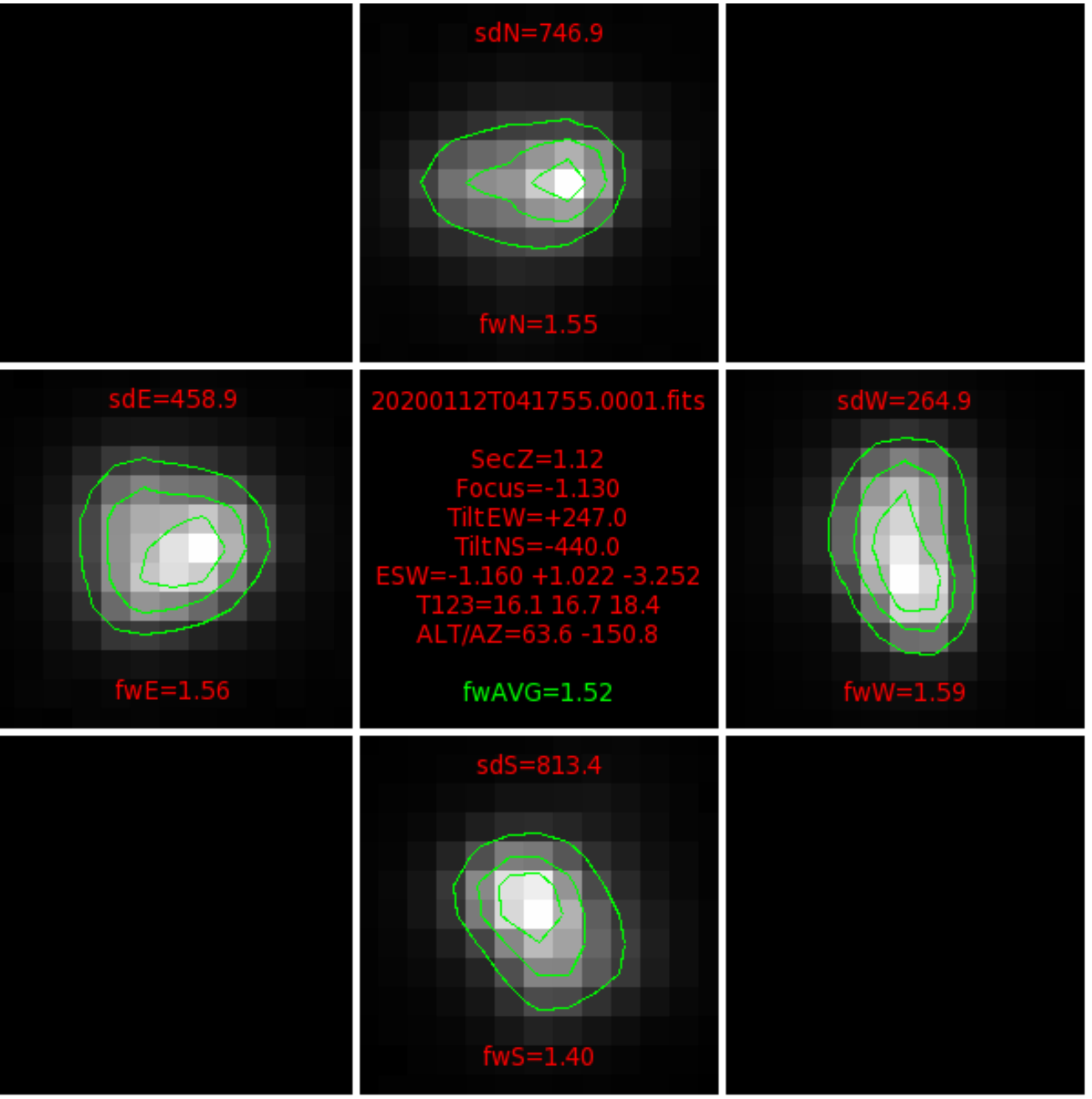

sdN=736.1
fwN=1.70
sdE=464.2
fwE=1.56
20200112T041720.0001.fits
SecZ=1.12
Focus=-1.100
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.130 +1.052 -3.222
T123=16.1 16.7 18.3
ALT/AZ=63.6 -151.1
fwAVG=1.58
sdW=262.5
fwW=1.73
sdS=814.6
fwS=1.31
0 0 0 0 0 0 0 0 0


sdN=746.9
fwN=1.55
sdE=458.9
fwE=1.56
20200112T041755.0001.fits
SecZ=1.12
Focus=-1.130
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.160 +1.022 -3.252
T123=16.1 16.7 18.4
ALT/AZ=63.6 -150.8
fwAVG=1.52
sdW=264.9
fwW=1.59
sdS=813.4
fwS=1.40
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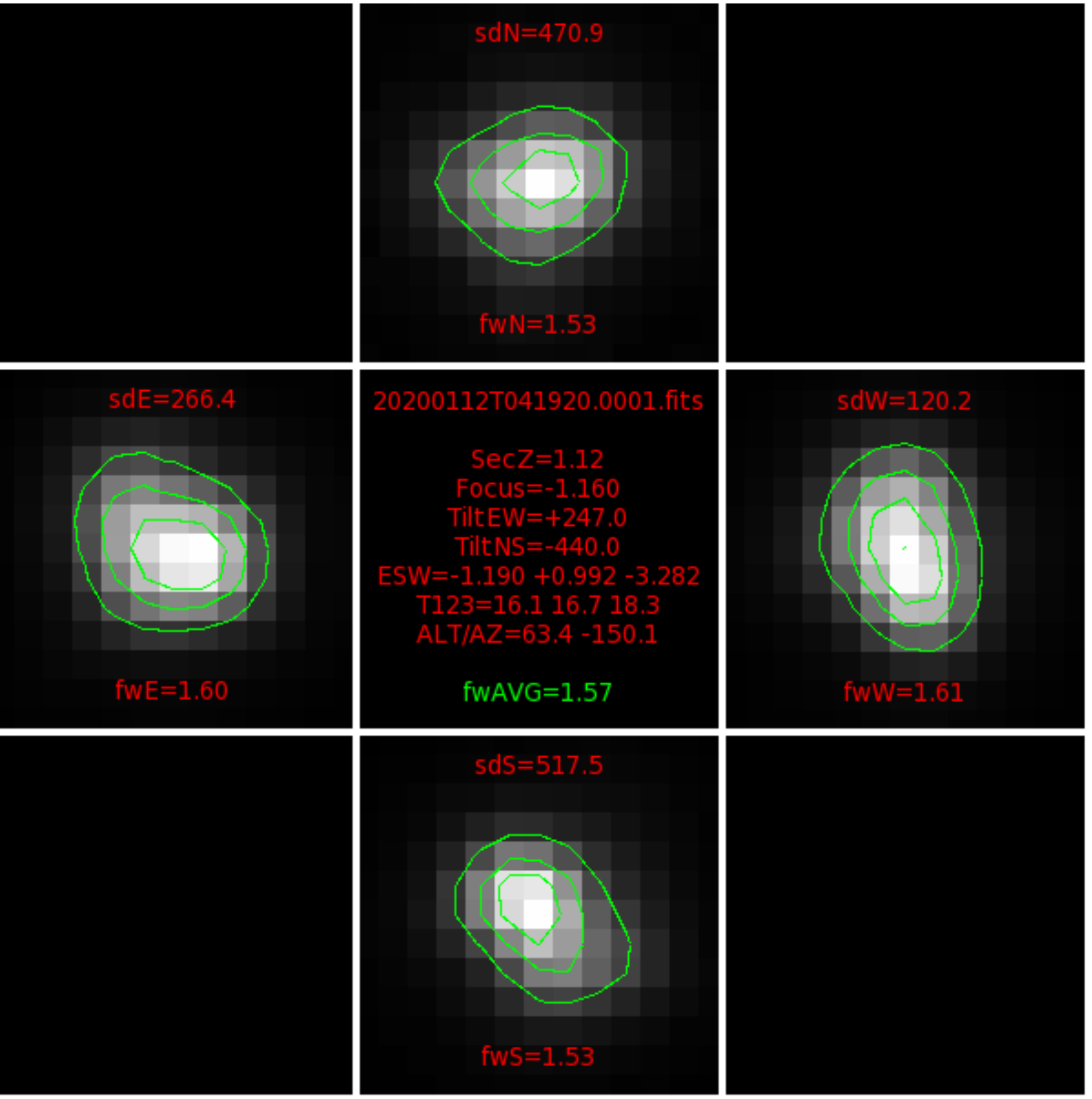
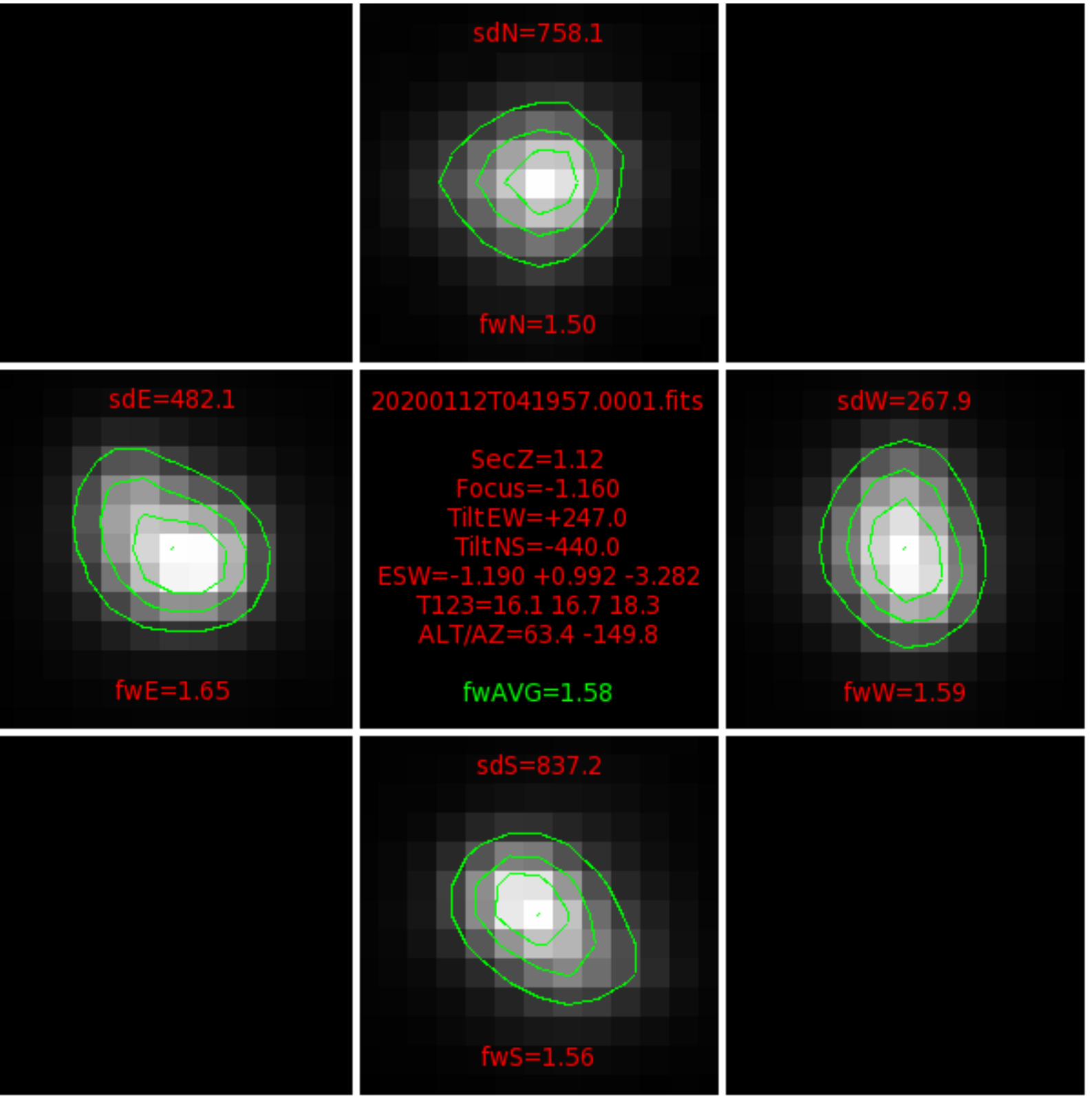
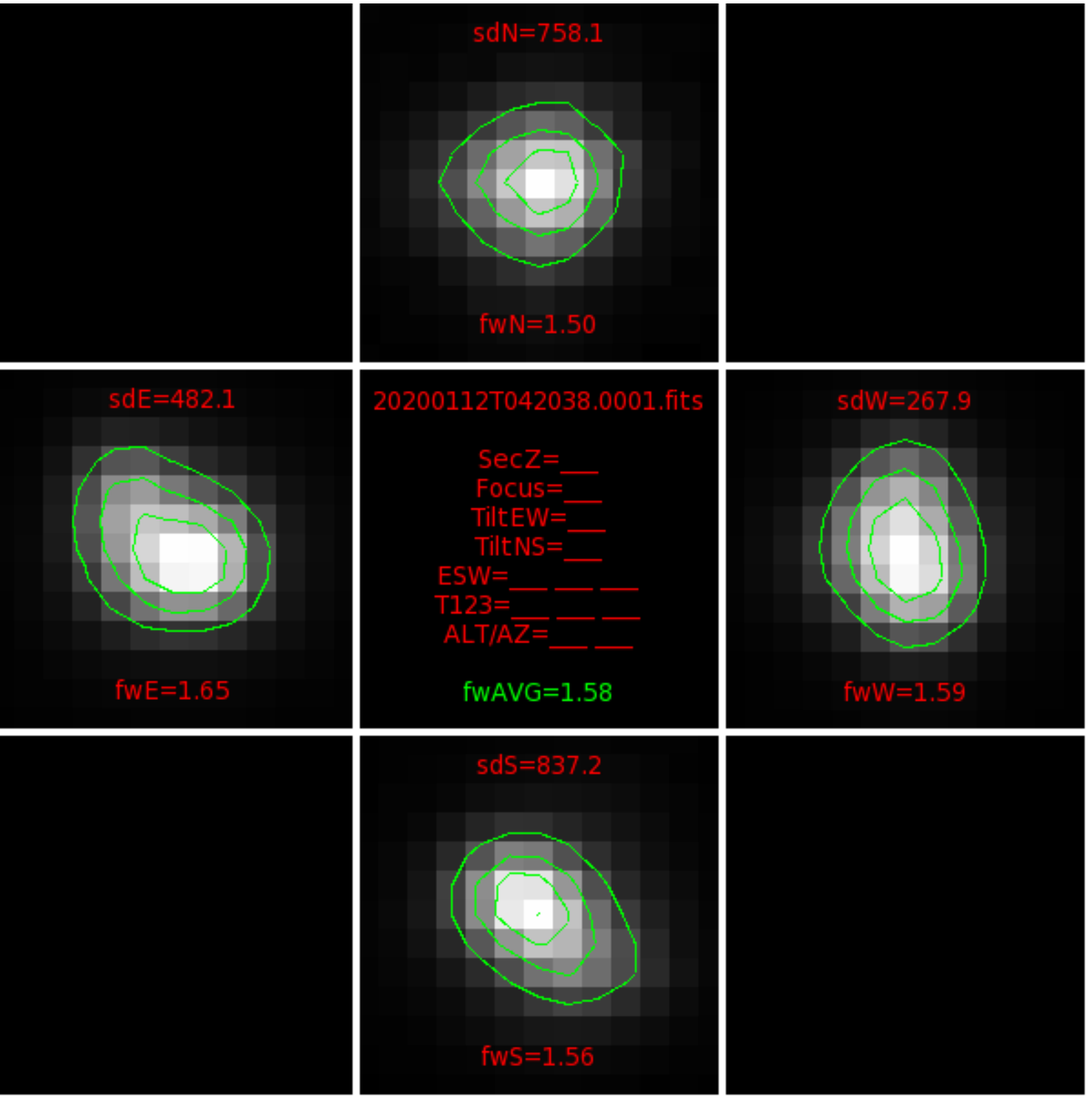
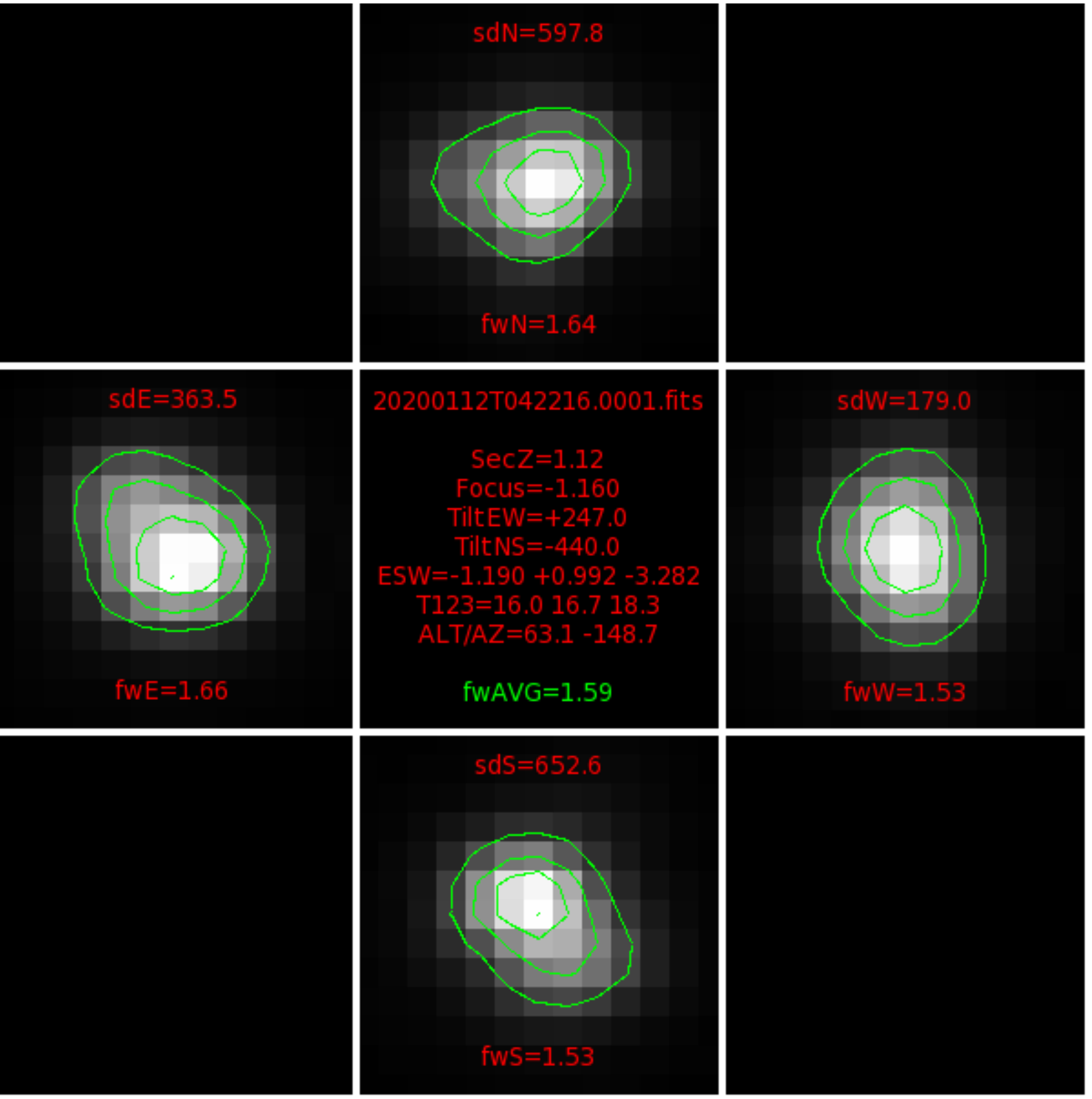

sdN=470.9
fwN=1.53
sdE=266.4
fwE=1.60
20200112T041920.0001.fits
SecZ=1.12
Focus=-1.160
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.190 +0.992 -3.282
T123=16.1 16.7 18.3
ALT/AZ=63.4 -150.1
fwAVG=1.57
sdW=120.2
fwW=1.61
sdS=517.5
fwS=1.53
0 0 0 0 0 0 0 0 0


sdN=758.1
fwN=1.50
sdE=482.1
fwE=1.65
20200112T041957.0001.fits
SecZ=1.12
Focus=-1.160
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.190 +0.992 -3.282
T123=16.1 16.7 18.3
ALT/AZ=63.4 -149.8
fwAVG=1.58
sdW=267.9
fwW=1.59
sdS=837.2
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=758.1
fwN=1.50
sdE=482.1
fwE=1.65
20200112T042038.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.58
sdW=267.9
fwW=1.59
sdS=837.2
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=597.8
fwN=1.64
sdE=363.5
fwE=1.66
20200112T042216.0001.fits
SecZ=1.12
Focus=-1.160
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.190 +0.992 -3.282
T123=16.0 16.7 18.3
ALT/AZ=63.1 -148.7
fwAVG=1.59
sdW=179.0
fwW=1.53
sdS=652.6
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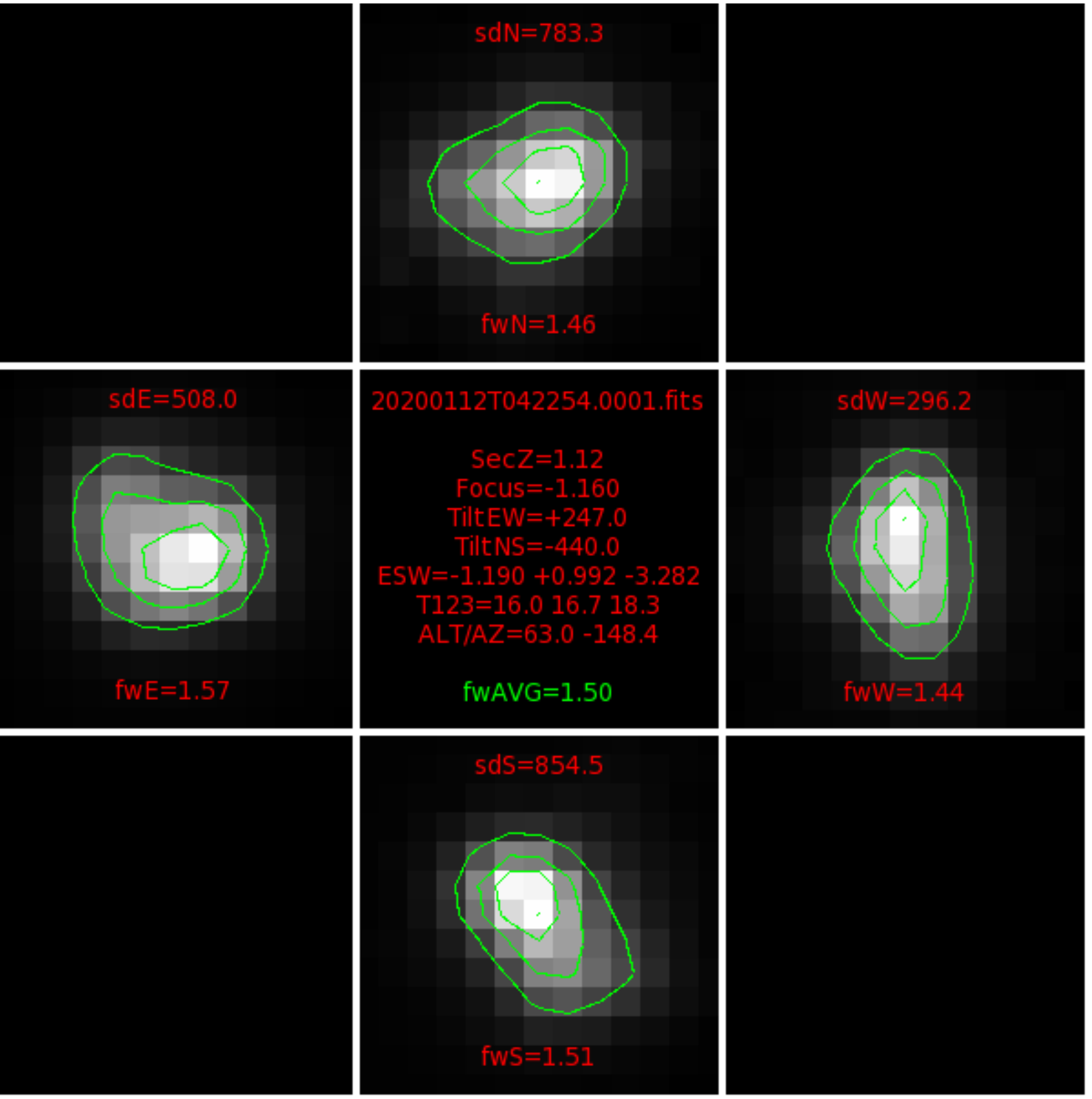
0 0 0 0 0 0 0 0 0


sdN=783.3
fwN=1.46
sdE=508.0
fwE=1.57
20200112T042254.0001.fits
SecZ=1.12
Focus=-1.160
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.190 +0.992 -3.282
T123=16.0 16.7 18.3
ALT/AZ=63.0 -148.4
fwAVG=1.50
sdW=296.2
fwW=1.44
sdS=854.5
fwS=1.51
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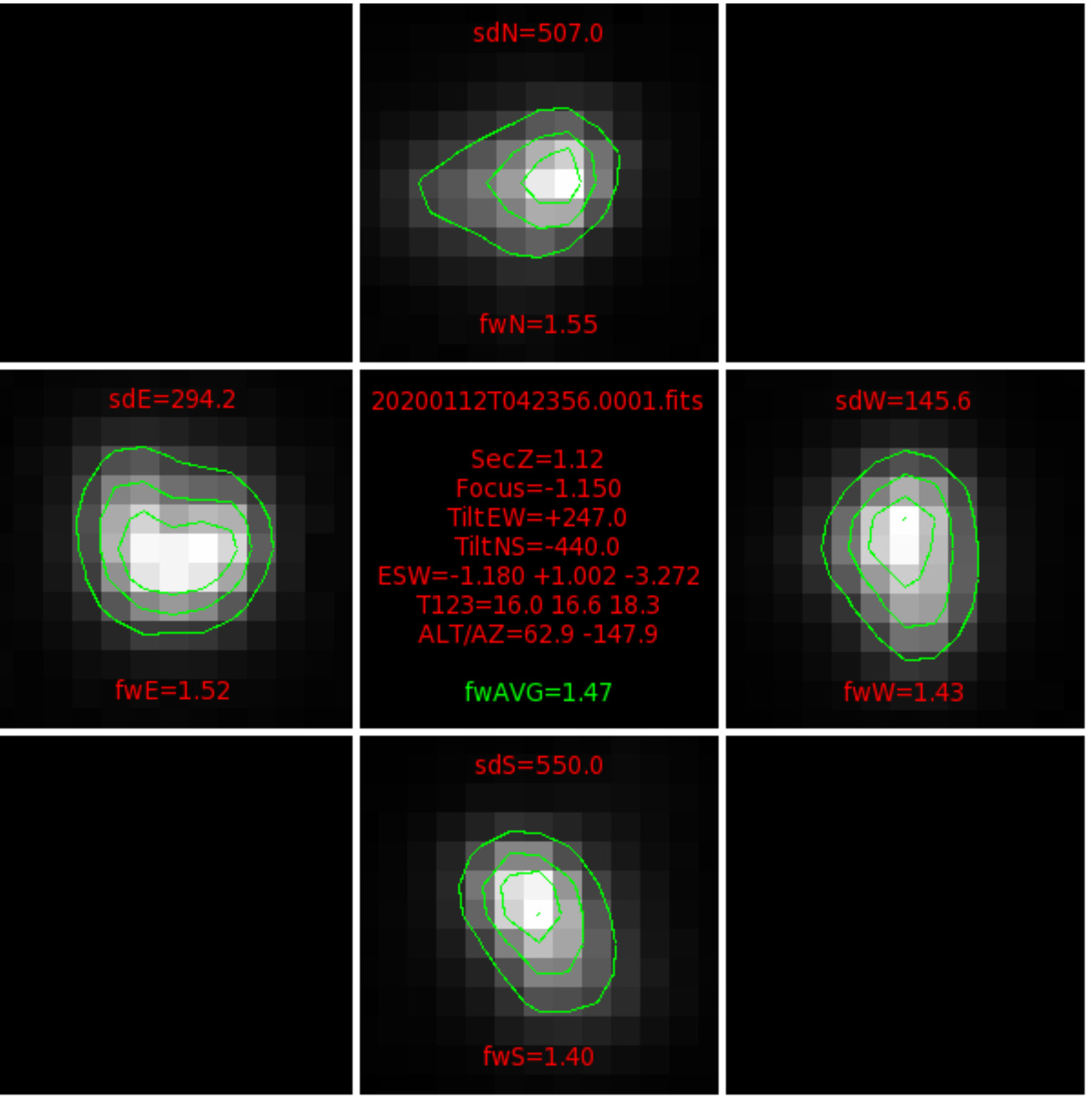
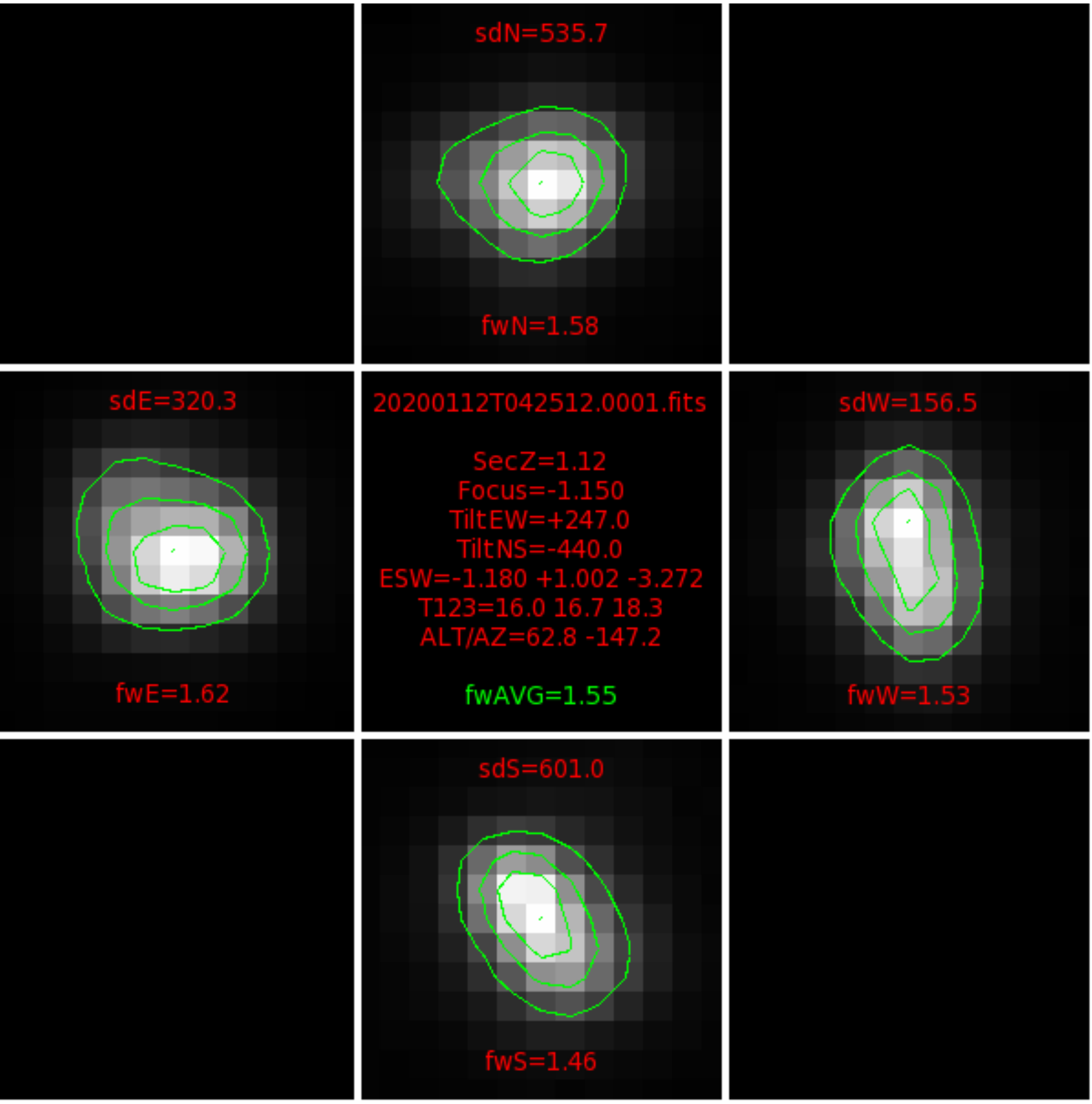
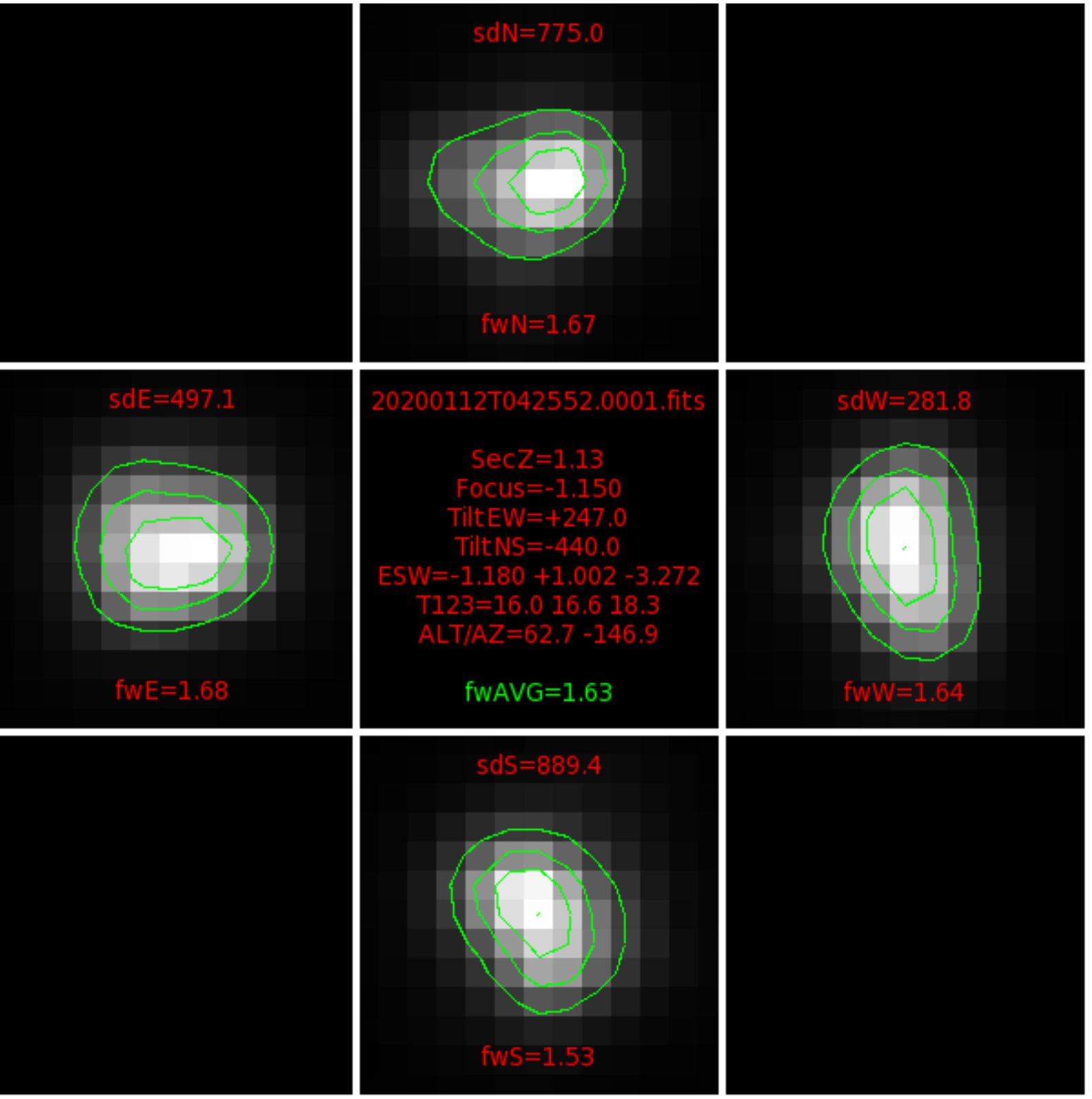
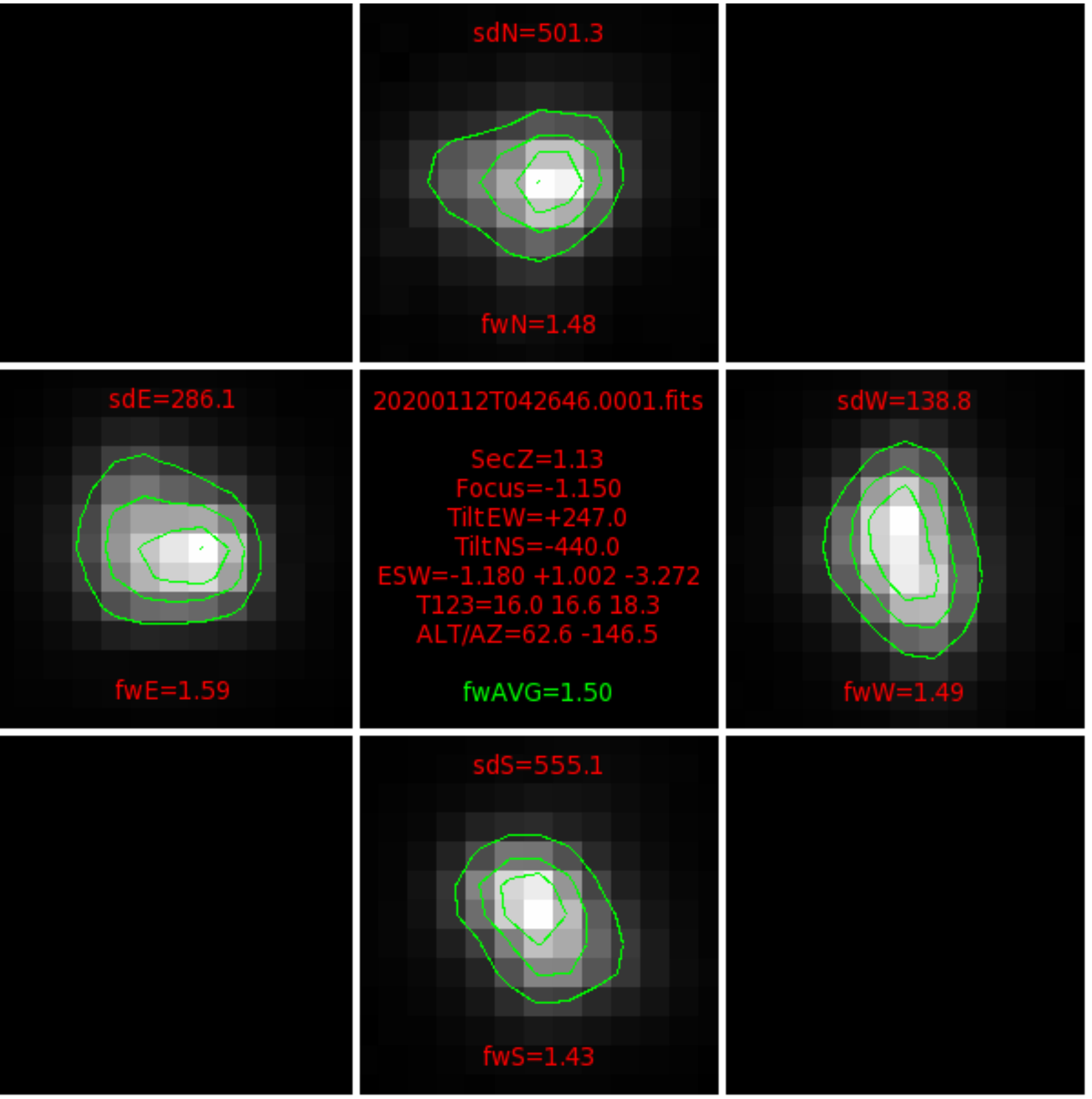
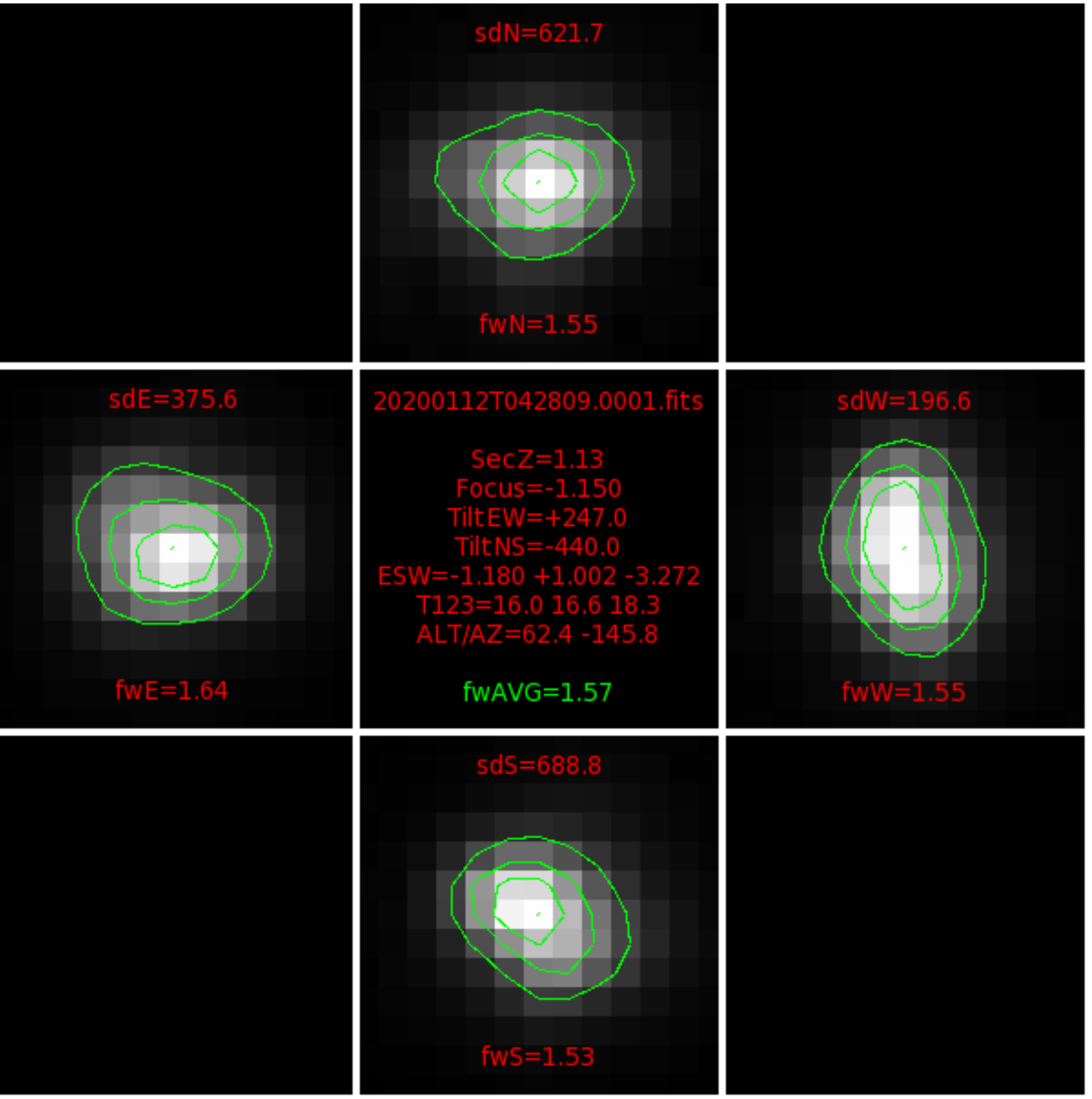
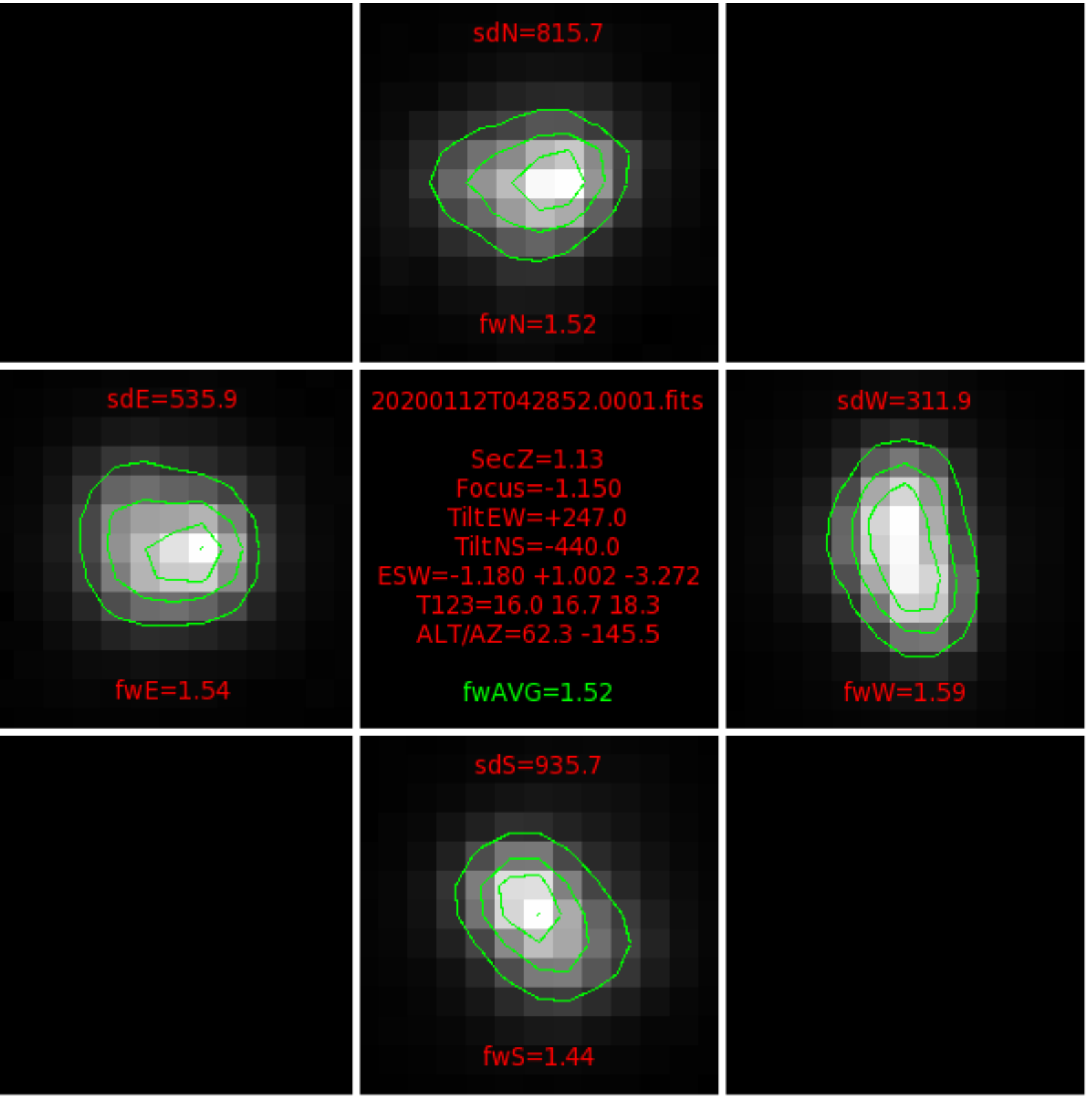

sdN=507.0
fwN=1.55
sdE=294.2
fwE=1.52
20200112T042356.0001.fits
SecZ=1.12
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=62.9 -147.9
fwAVG=1.47
sdW=145.6
fwW=1.43
sdS=550.0
fwS=1.40
0 0 0 0 0 0 0 0 0

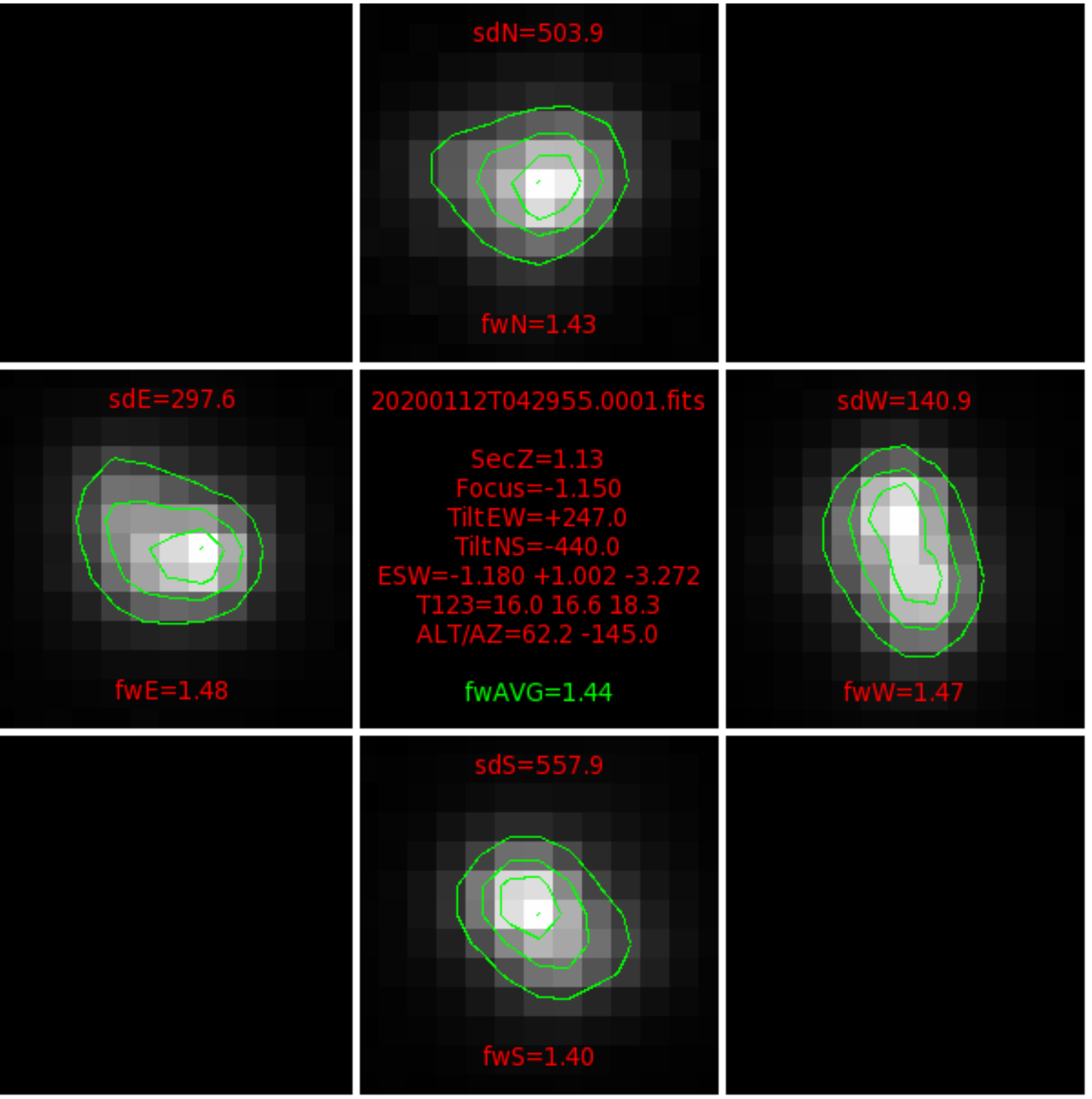

sdN=535.7
fwN=1.58
sdE=320.3
fwE=1.62
20200112T042512.0001.fits
SecZ=1.12
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.7 18.3
ALT/AZ=62.8 -147.2
fwAVG=1.55
sdW=156.5
fwW=1.53
sdS=601.0
fwS=1.46
0 0 0 0 0 0 0 0 0

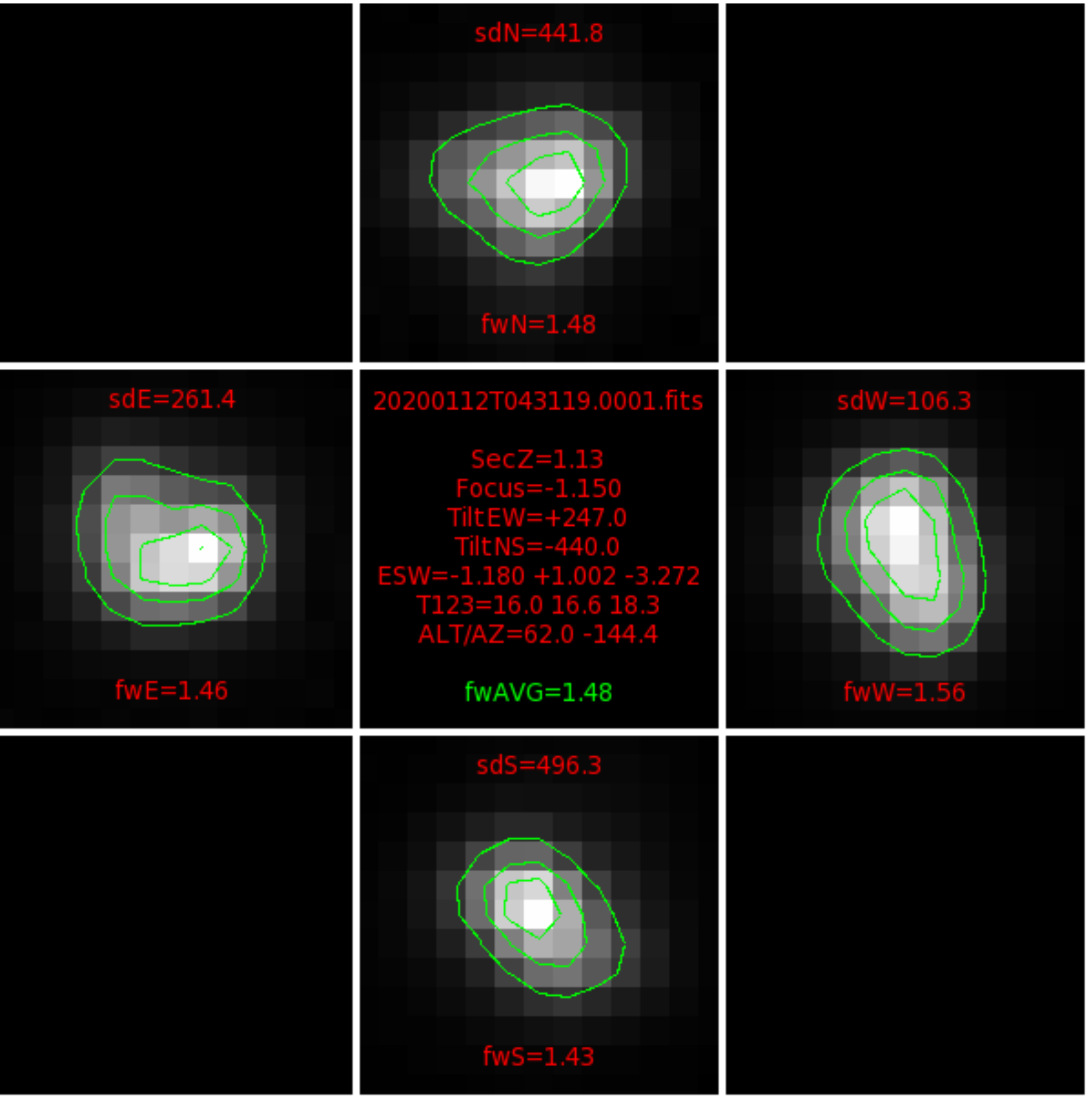

sdN=775.0
fwN=1.67
sdE=497.1
fwE=1.68
20200112T042552.0001.fits
SecZ=1.13
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=62.7 -146.9
fwAVG=1.63
sdW=281.8
fwW=1.64
sdS=889.4
fwS=1.53
0 0 0 0 0 0 0 0 0

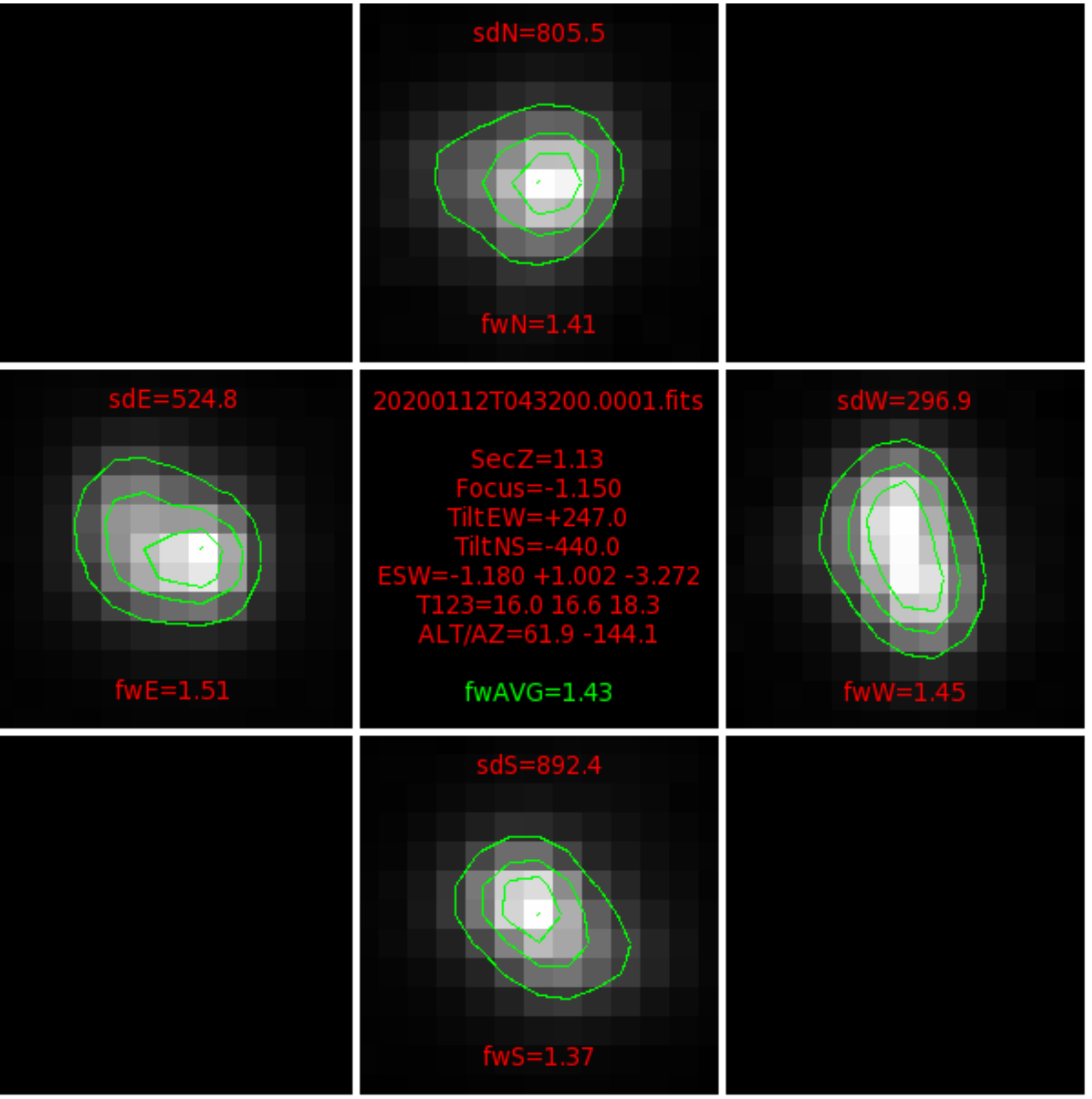

sdN=501.3
fwN=1.48
sdE=286.1
fwE=1.59
20200112T042646.0001.fits
SecZ=1.13
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=62.6 -146.5
fwAVG=1.50
sdW=138.8
fwW=1.49
sdS=555.1
fwS=1.43
0 0 0 0 0 0 0 0 0

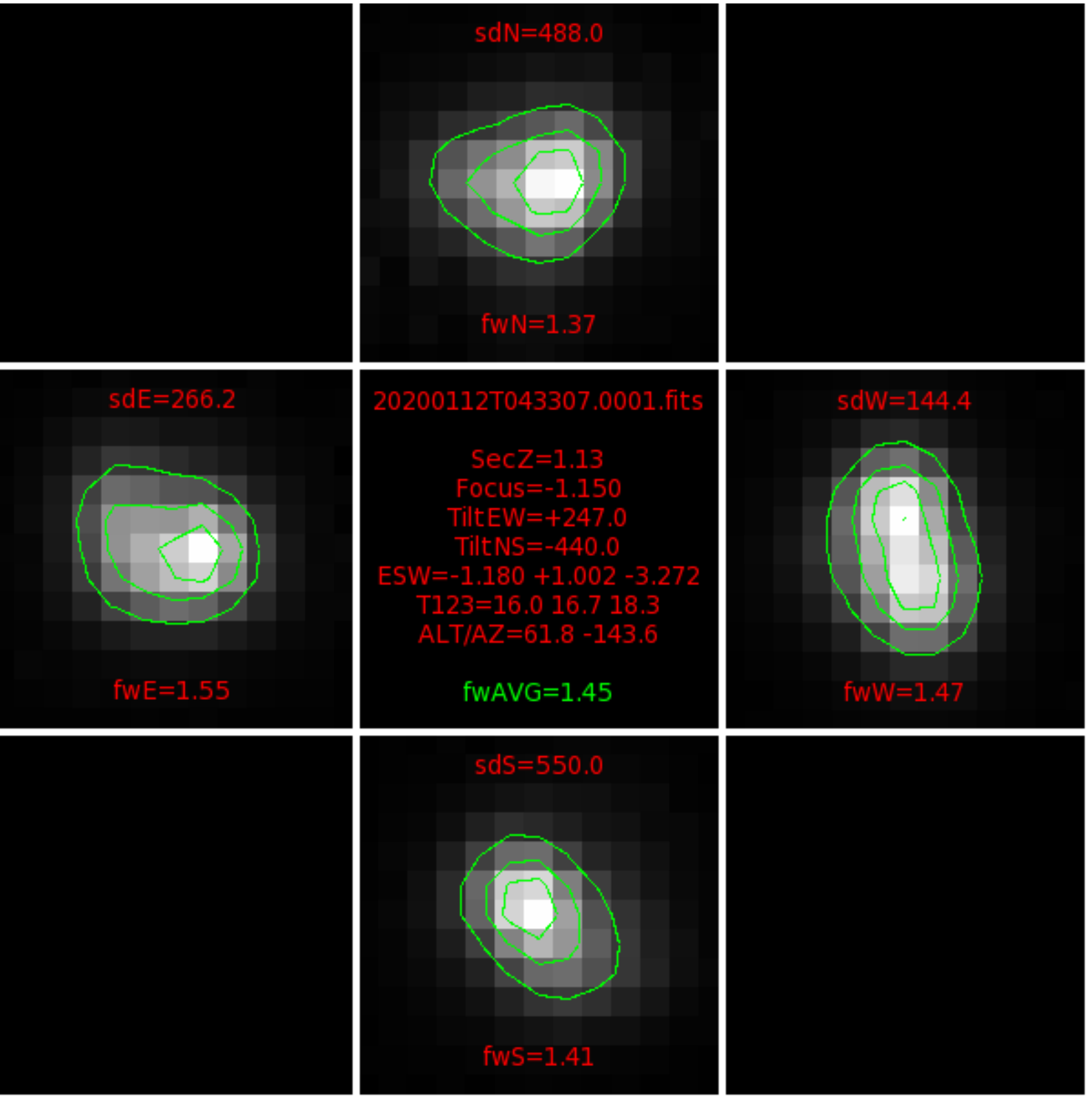

sdN=621.7
fwN=1.55
sdE=375.6
fwE=1.64
20200112T042809.0001.fits
SecZ=1.13
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=62.4 -145.8
fwAVG=1.57
sdW=196.6
fwW=1.55
sdS=688.8
fwS=1.53
0 0 0 0 0 0 0 0 0


sdN=815.7
fwN=1.52
sdE=535.9
fwE=1.54
20200112T042852.0001.fits
SecZ=1.13
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.7 18.3
ALT/AZ=62.3 -145.5
fwAVG=1.52
sdW=311.9
fwW=1.59
sdS=935.7
fwS=1.44
0 0 0 0 0 0 0 0 0


sdN=503.9
fwN=1.43
sdE=297.6
fwE=1.48
20200112T042955.0001.fits
SecZ=1.13
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=62.2 -145.0
fwAVG=1.44
sdW=140.9
fwW=1.47
sdS=557.9
fwS=1.40
0 0 0 0 0 0 0 0 0


sdN=441.8
fwN=1.48
sdE=261.4
fwE=1.46
20200112T043119.0001.fits
SecZ=1.13
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=62.0 -144.4
fwAVG=1.48
sdW=106.3
fwW=1.56
sdS=496.3
fwS=1.43
0 0 0 0 0 0 0 0 0


sdN=805.5
fwN=1.41
sdE=524.8
fwE=1.51
20200112T043200.0001.fits
SecZ=1.13
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=61.9 -144.1
fwAVG=1.43
sdW=296.9
fwW=1.45
sdS=892.4
fwS=1.37
0 0 0 0 0 0 0 0 0


sdN=488.0
fwN=1.37
sdE=266.2
fwE=1.55
20200112T043307.0001.fits
SecZ=1.13
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.7 18.3
ALT/AZ=61.8 -143.6
fwAVG=1.45
sdW=144.4
fwW=1.47
sdS=550.0
fwS=1.41
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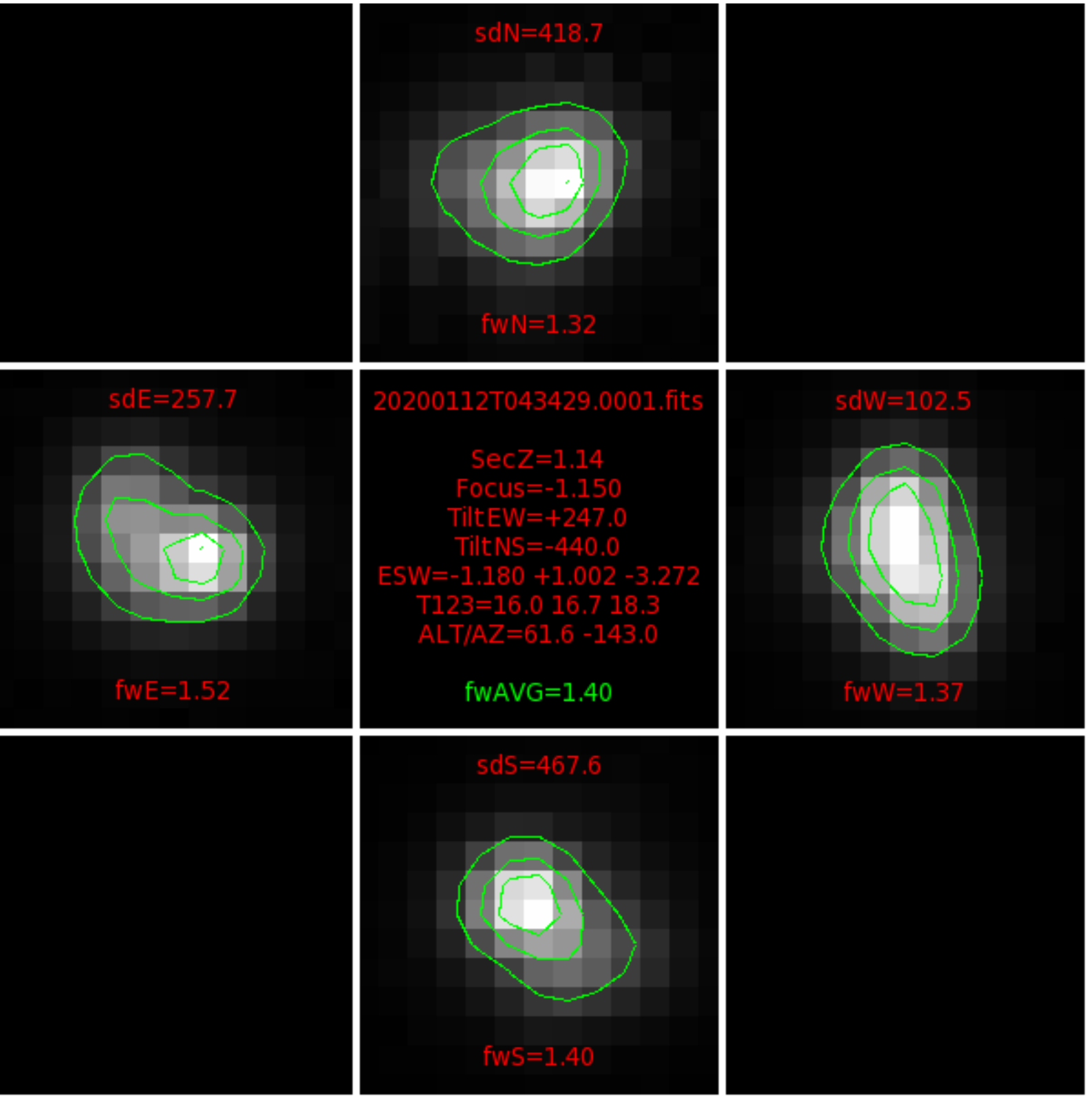
sdN=418.7
fwN=1.32
sdE=257.7
fwE=1.52
20200112T043429.0001.fits
SecZ=1.14
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.7 18.3
ALT/AZ=61.6 -143.0
fwAVG=1.40
sdW=102.5
fwW=1.37
sdS=467.6
fwS=1.40
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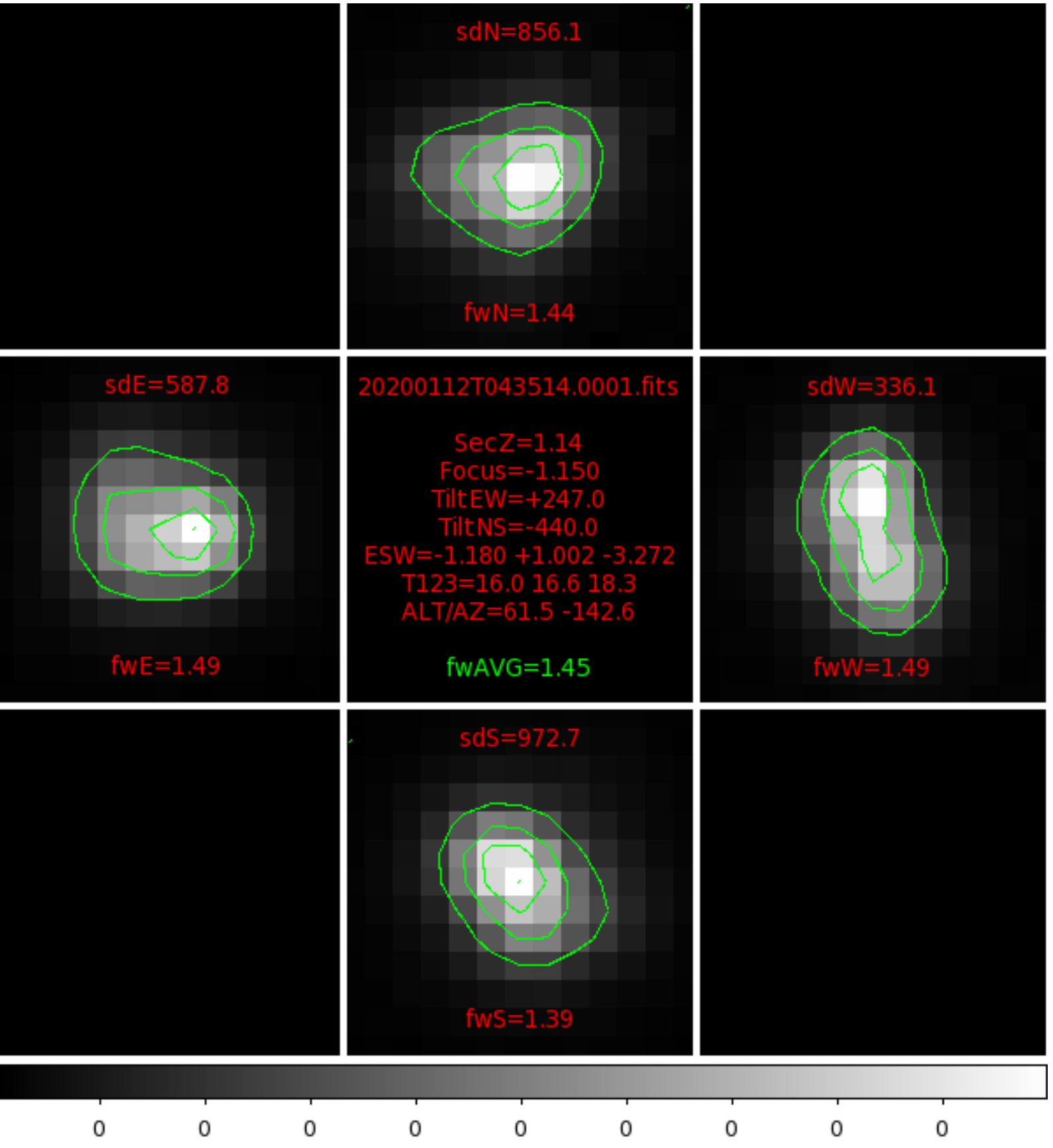
sdN=856.1
fwN=1.44
sdE=587.8
fwE=1.49
20200112T043514.0001.fits
SecZ=1.14
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=61.5 -142.6
fwAVG=1.45
sdW=336.1
fwW=1.49
sdS=972.7
fwS=1.39
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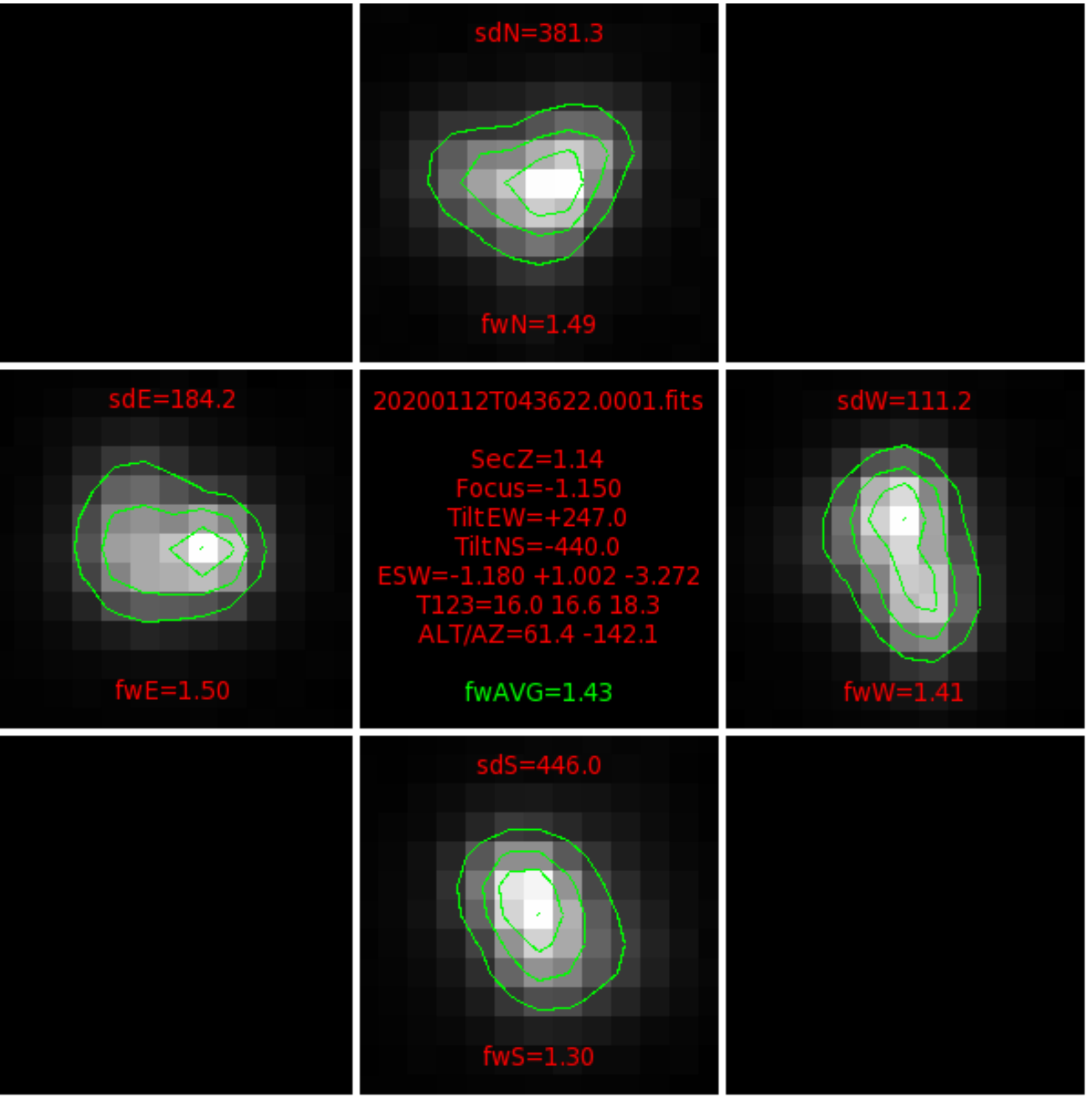
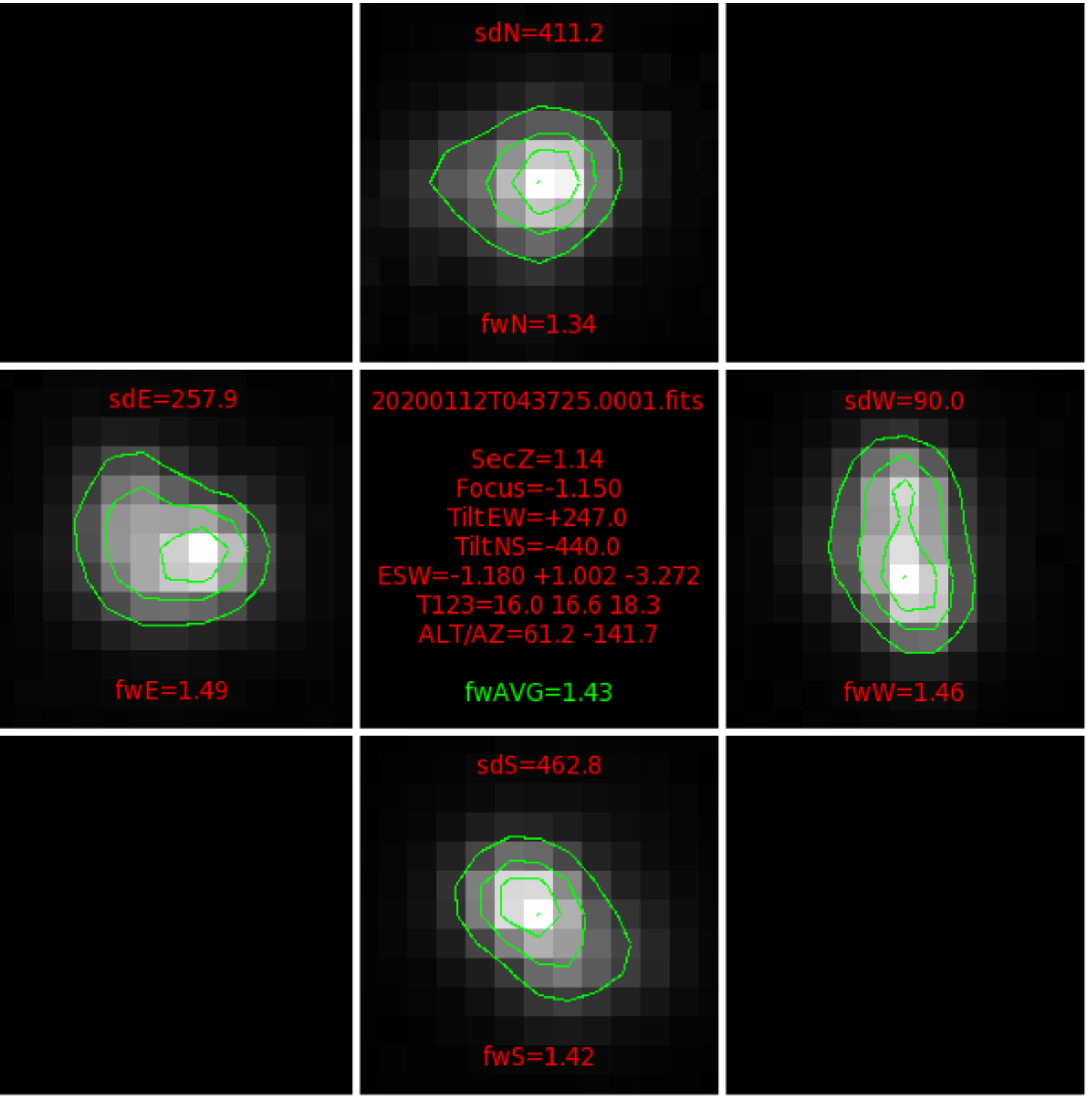

sdN=381.3
fwN=1.49
sdE=184.2
fwE=1.50
20200112T043622.0001.fits
SecZ=1.14
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=61.4 -142.1
fwAVG=1.43
sdW=111.2
fwW=1.41
sdS=446.0
fwS=1.30
0 0 0 0 0 0 0 0 0


sdN=411.2
fwN=1.34
sdE=257.9
fwE=1.49
20200112T043725.0001.fits
SecZ=1.14
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=61.2 -141.7
fwAVG=1.43
sdW=90.0
fwW=1.46
sdS=462.8
fwS=1.42
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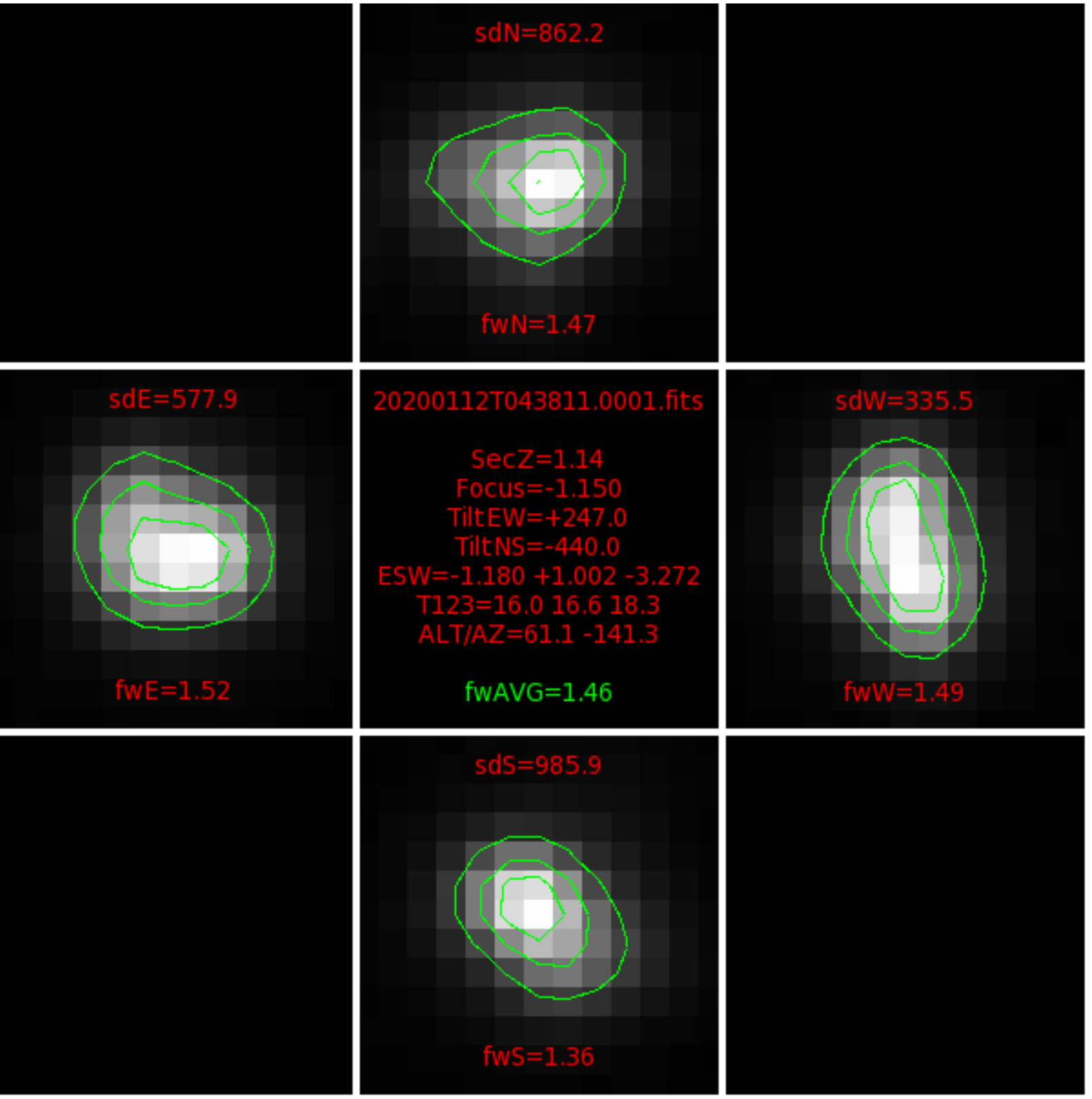
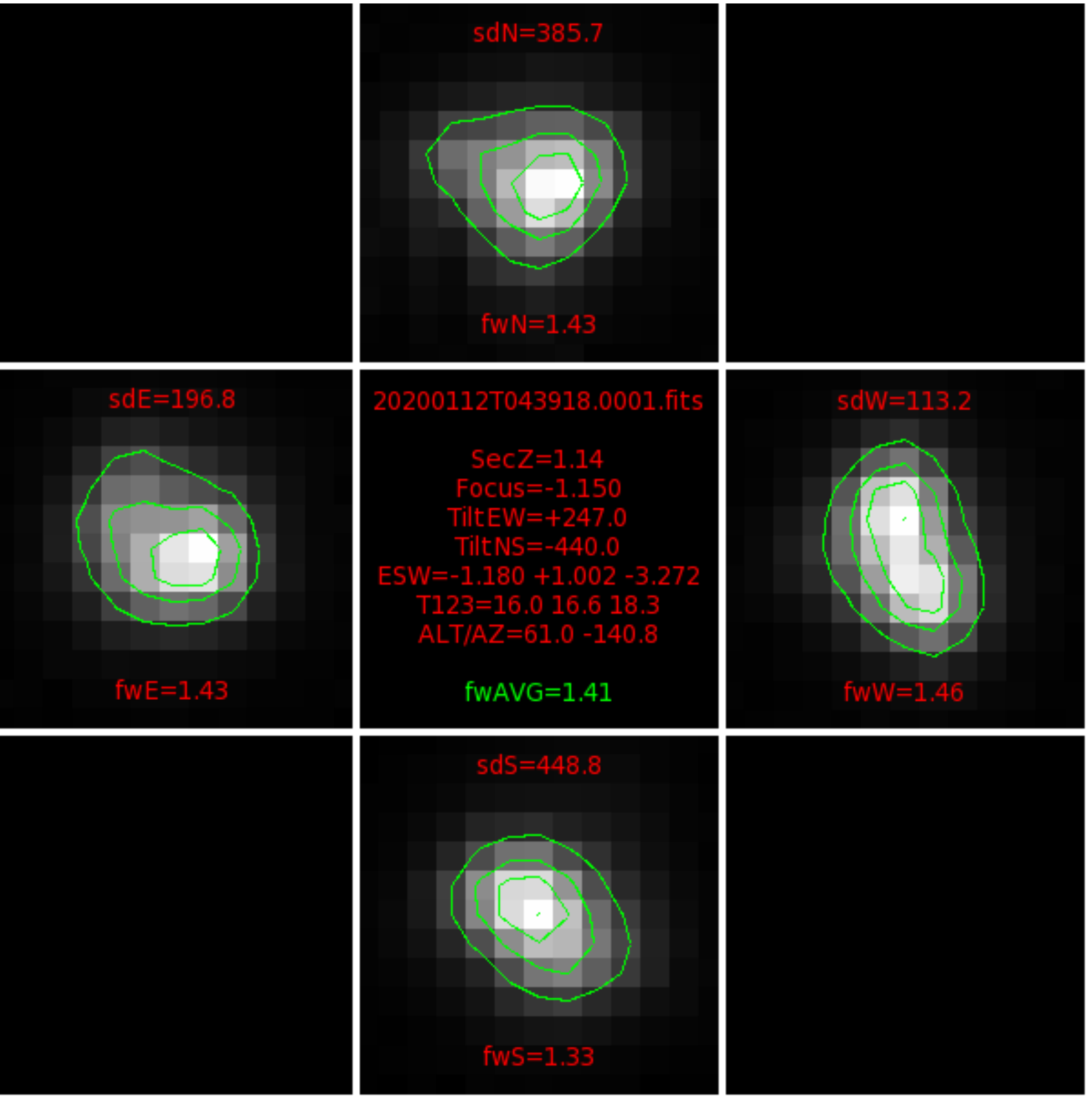

sdN=862.2
fwN=1.47
sdE=577.9
fwE=1.52
20200112T043811.0001.fits
SecZ=1.14
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=61.1 -141.3
fwAVG=1.46
sdW=335.5
fwW=1.49
sdS=985.9
fwS=1.36
0 0 0 0 0 0 0 0 0


sdN=385.7
fwN=1.43
sdE=196.8
fwE=1.43
20200112T043918.0001.fits
SecZ=1.14
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=61.0 -140.8
fwAVG=1.41
sdW=113.2
fwW=1.46
sdS=448.8
fwS=1.33
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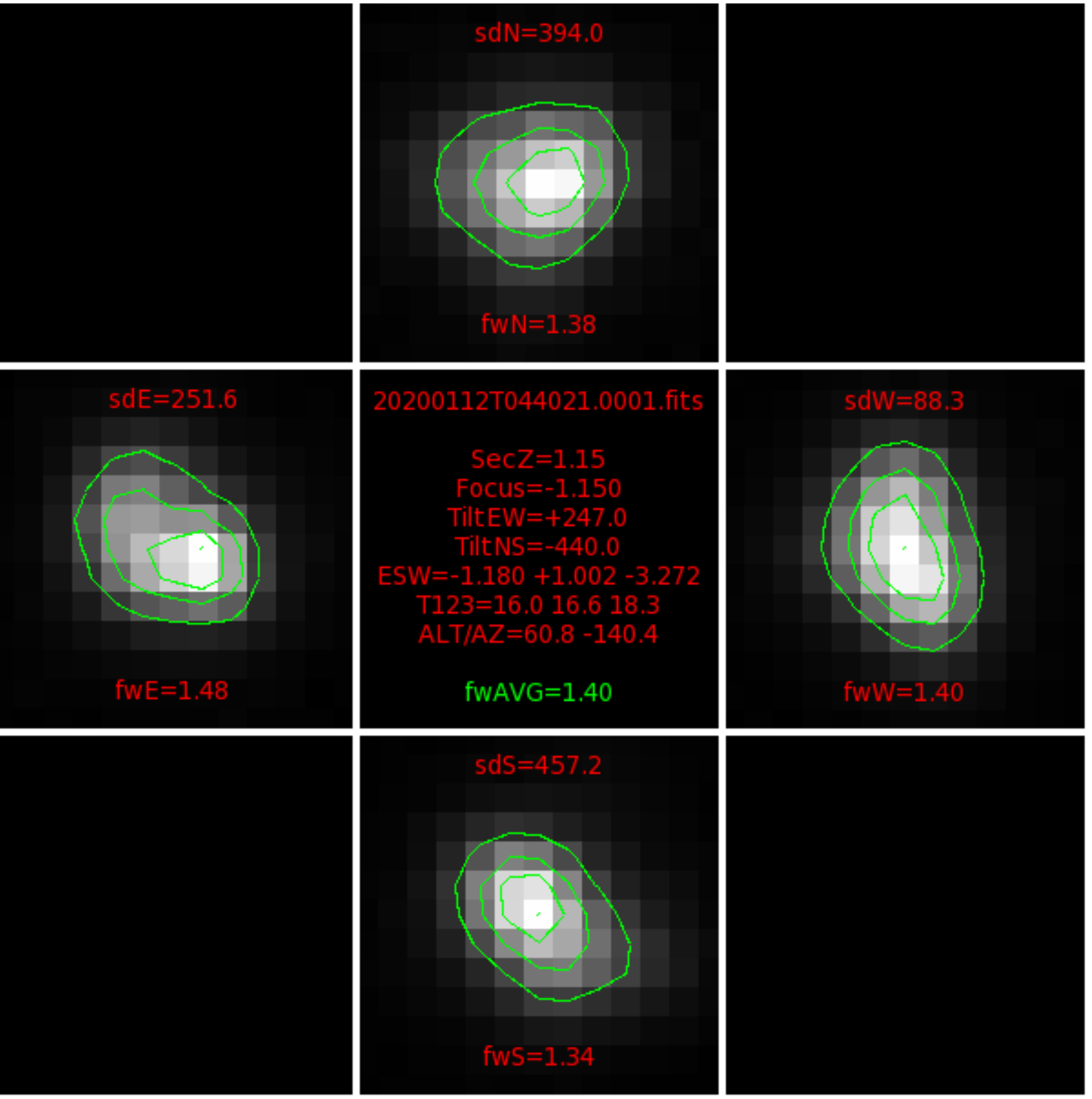
sdN=394.0
fwN=1.38
sdE=251.6
fwE=1.48
20200112T044021.0001.fits
SecZ=1.15
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=60.8 -140.4
fwAVG=1.40
sdW=88.3
fwW=1.40
sdS=457.2
fwS=1.34
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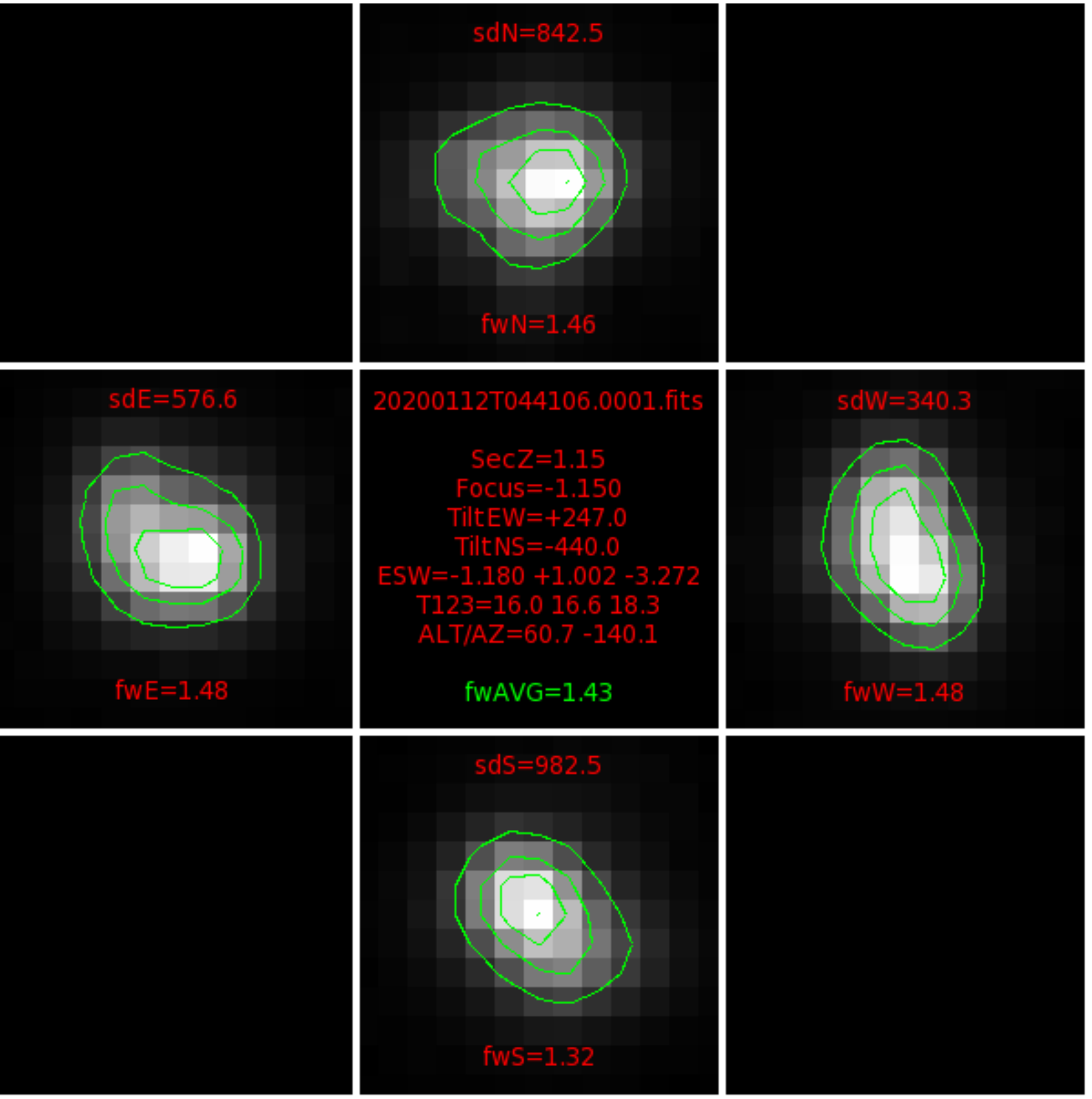
sdN=842.5
fwN=1.46
sdE=576.6
fwE=1.48
20200112T044106.0001.fits
SecZ=1.15
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=60.7 -140.1
fwAVG=1.43
sdW=340.3
fwW=1.48
sdS=982.5
fwS=1.32
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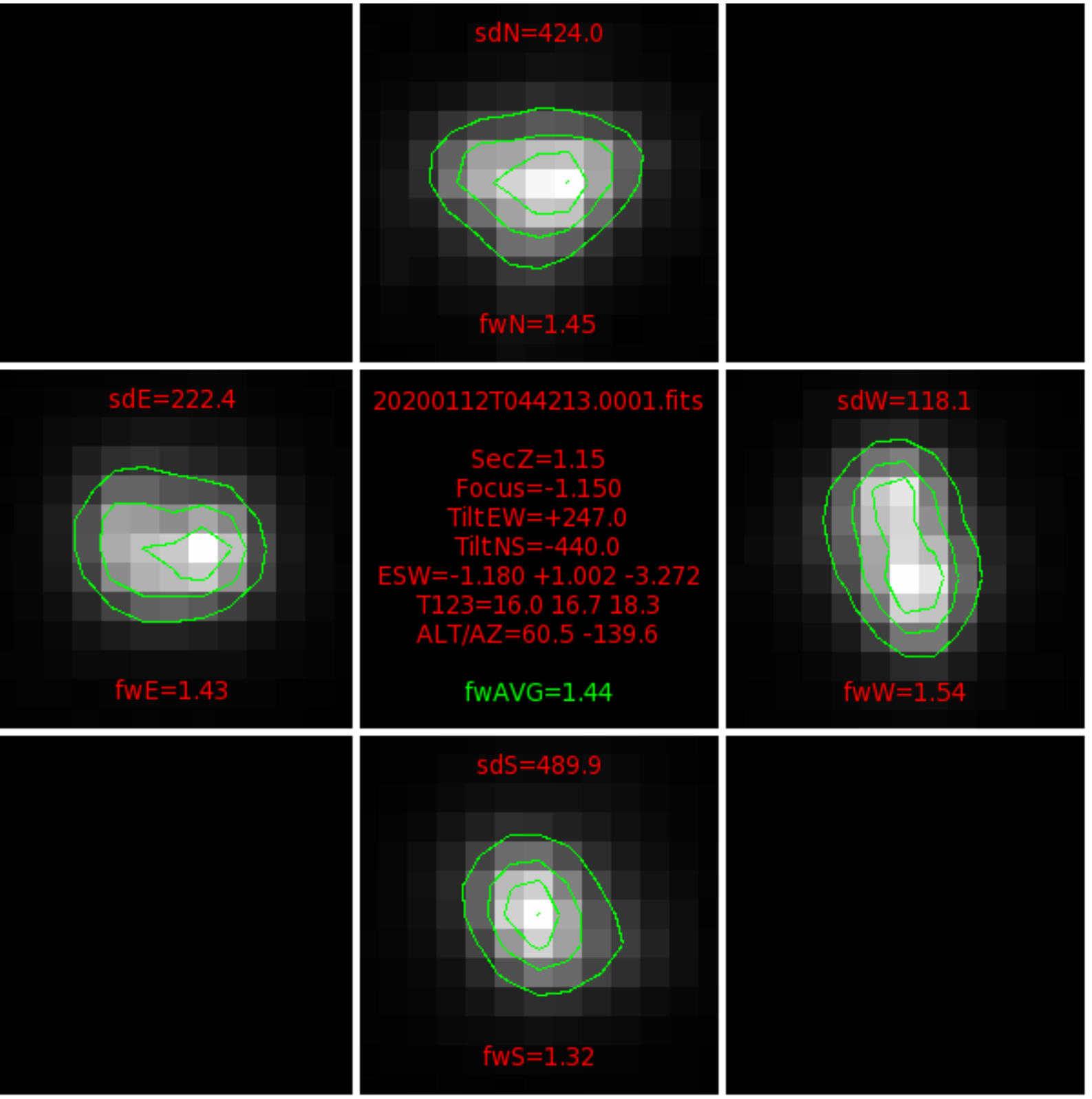
sdN=424.0
fwN=1.45
sdE=222.4
fwE=1.43
20200112T044213.0001.fits
SecZ=1.15
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.7 18.3
ALT/AZ=60.5 -139.6
fwAVG=1.44
sdW=118.1
fwW=1.54
sdS=489.9
fwS=1.32
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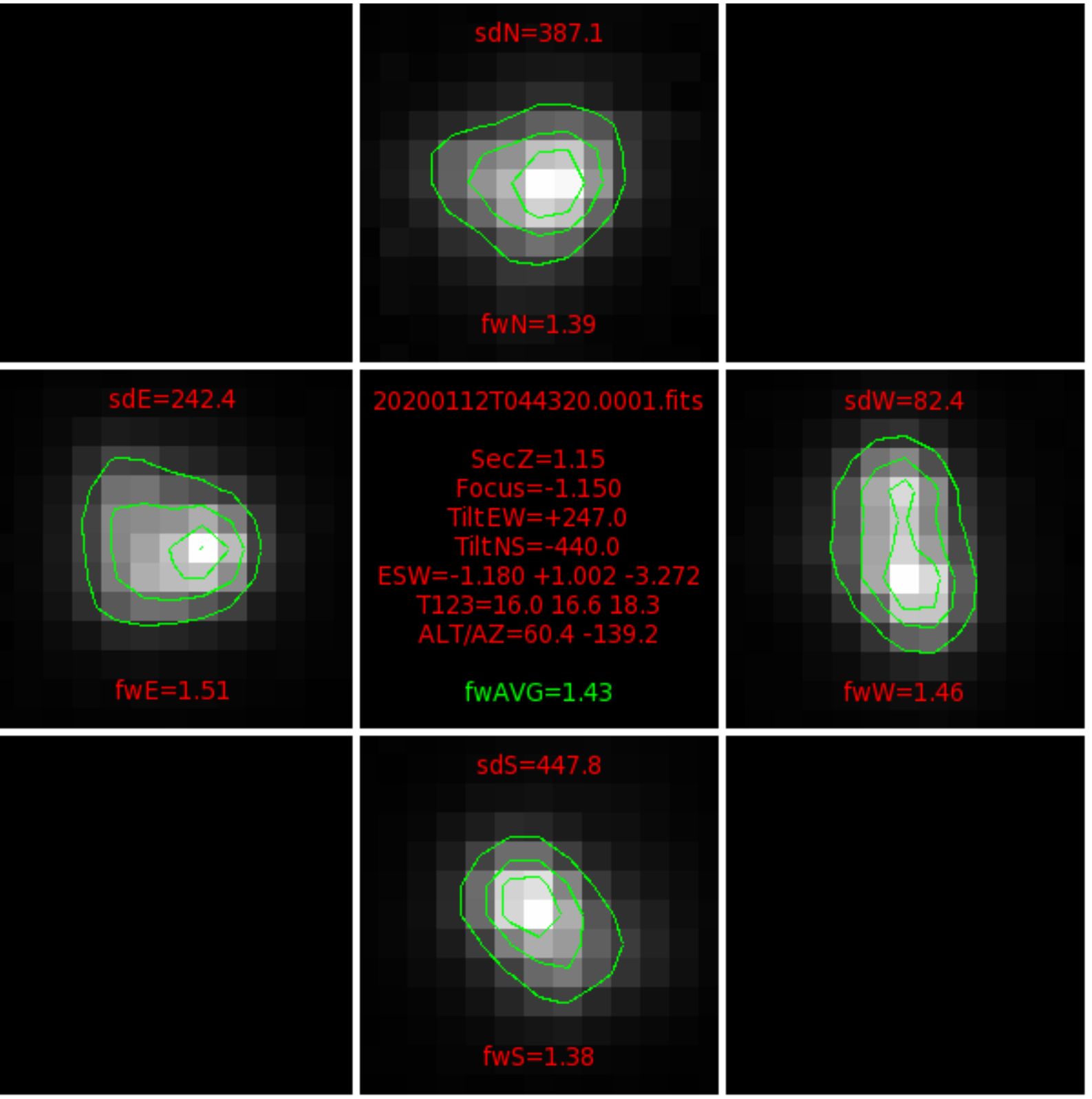
sdN=387.1
fwN=1.39
sdE=242.4
fwE=1.51
20200112T044320.0001.fits
SecZ=1.15
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=60.4 -139.2
fwAVG=1.43
sdW=82.4
fwW=1.46
sdS=447.8
fwS=1.38
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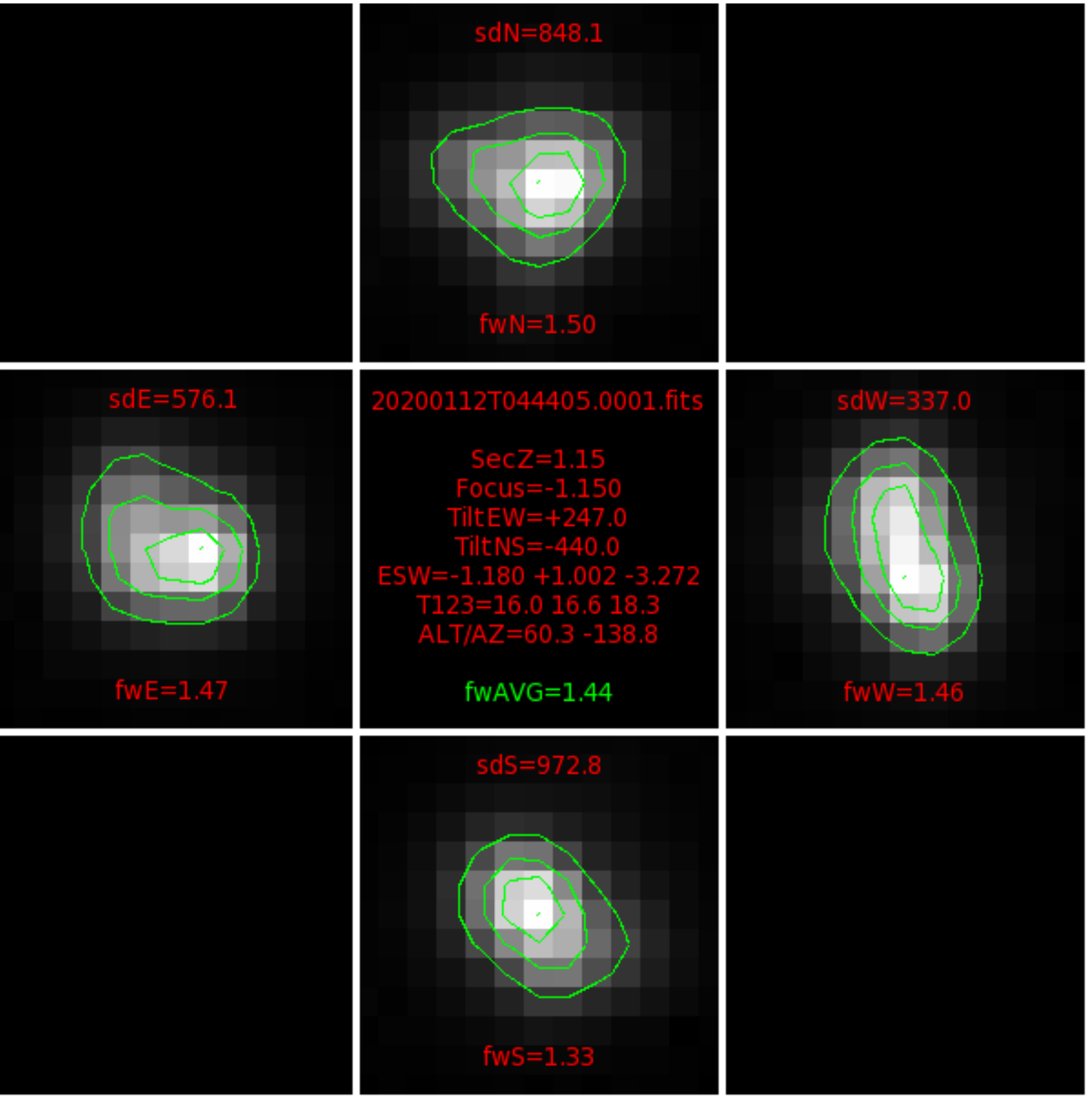
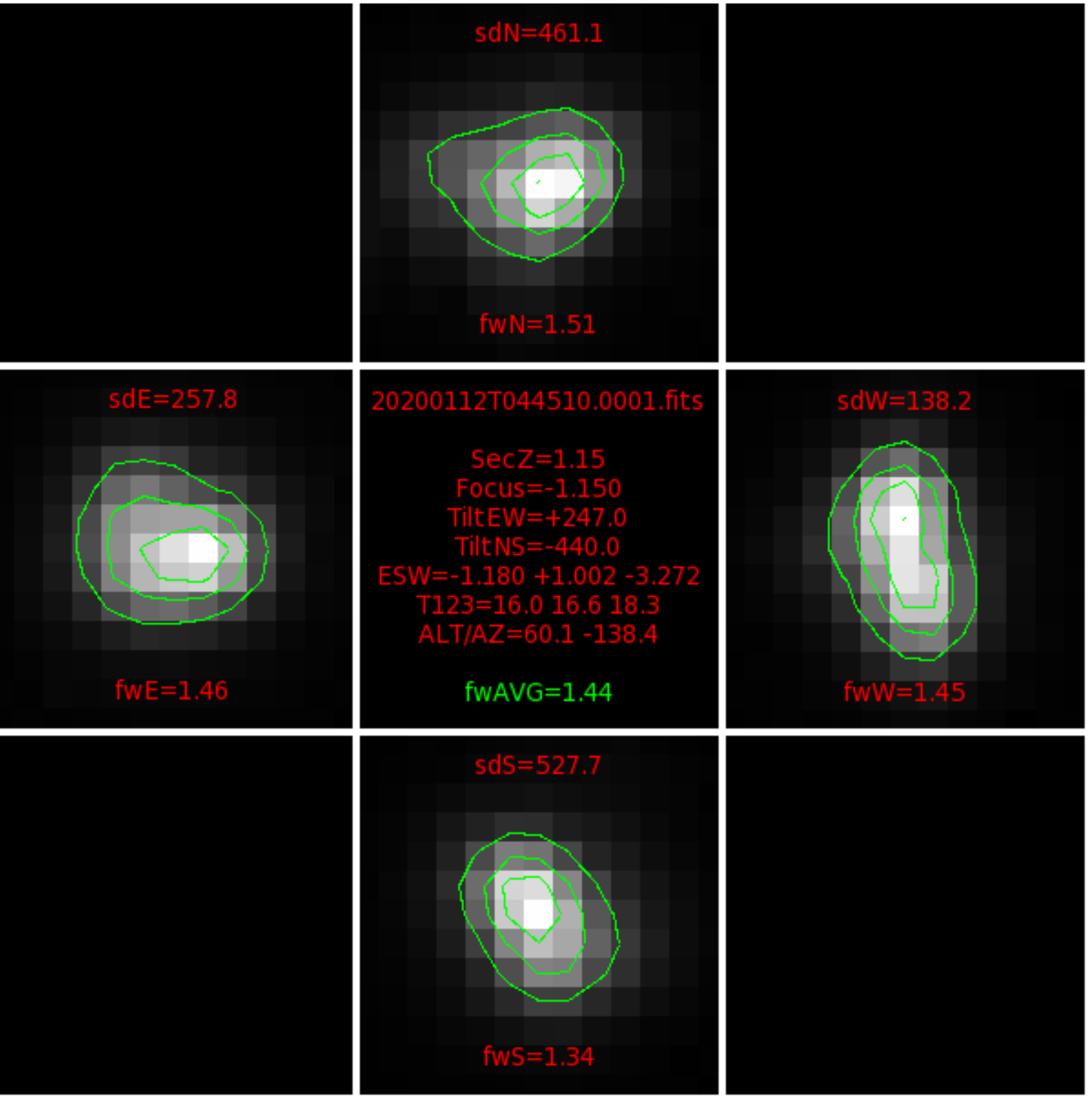
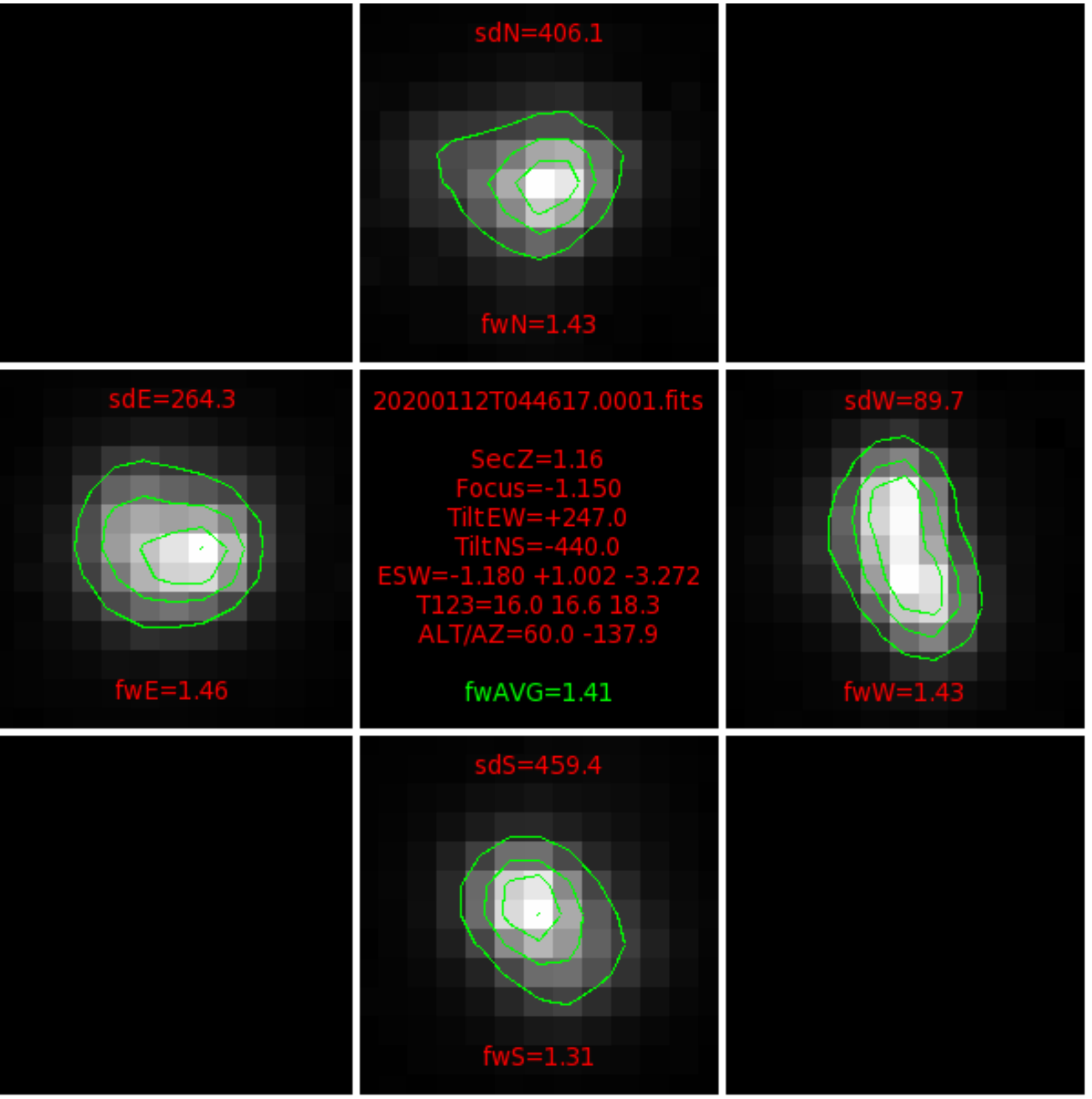
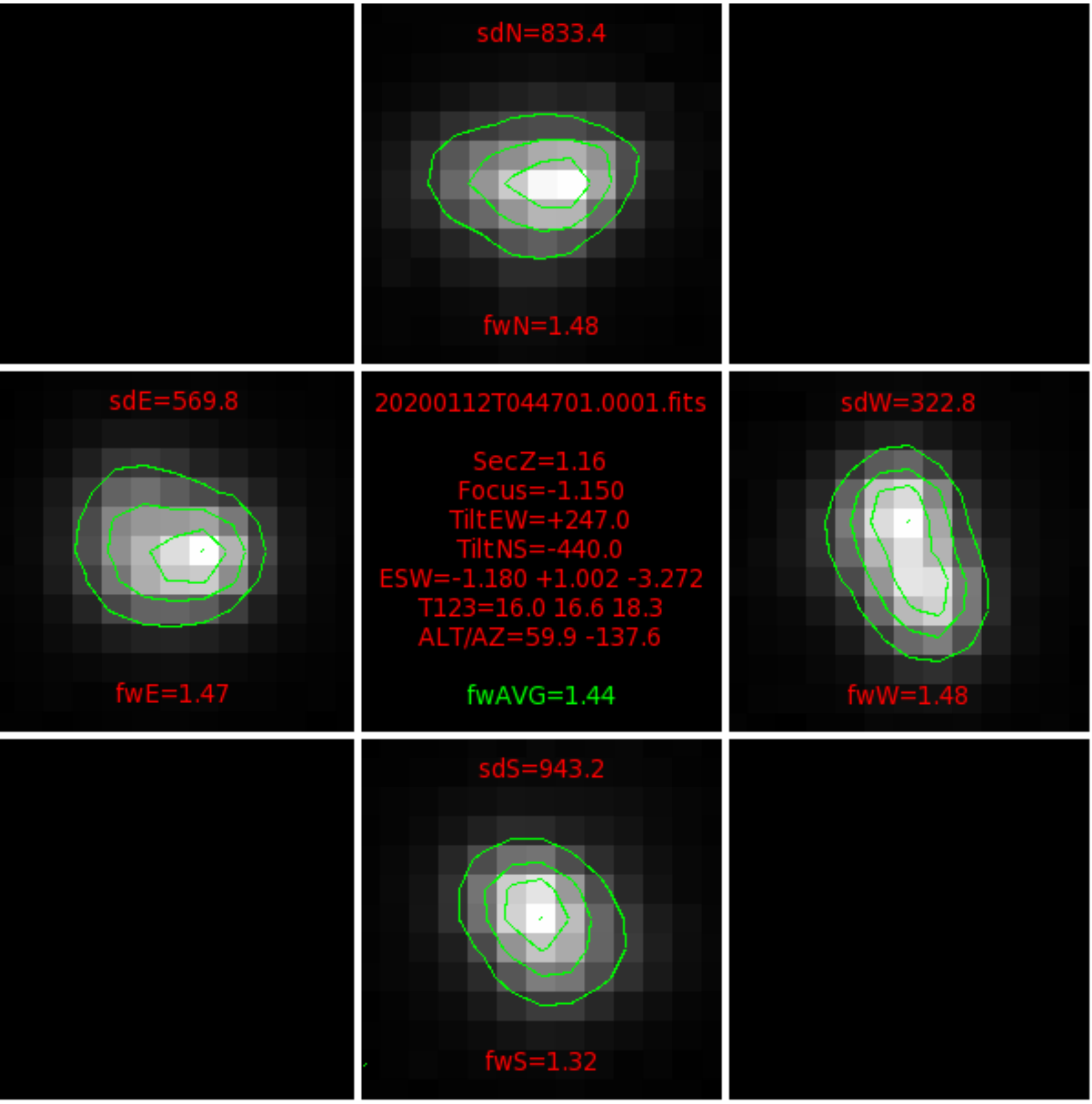
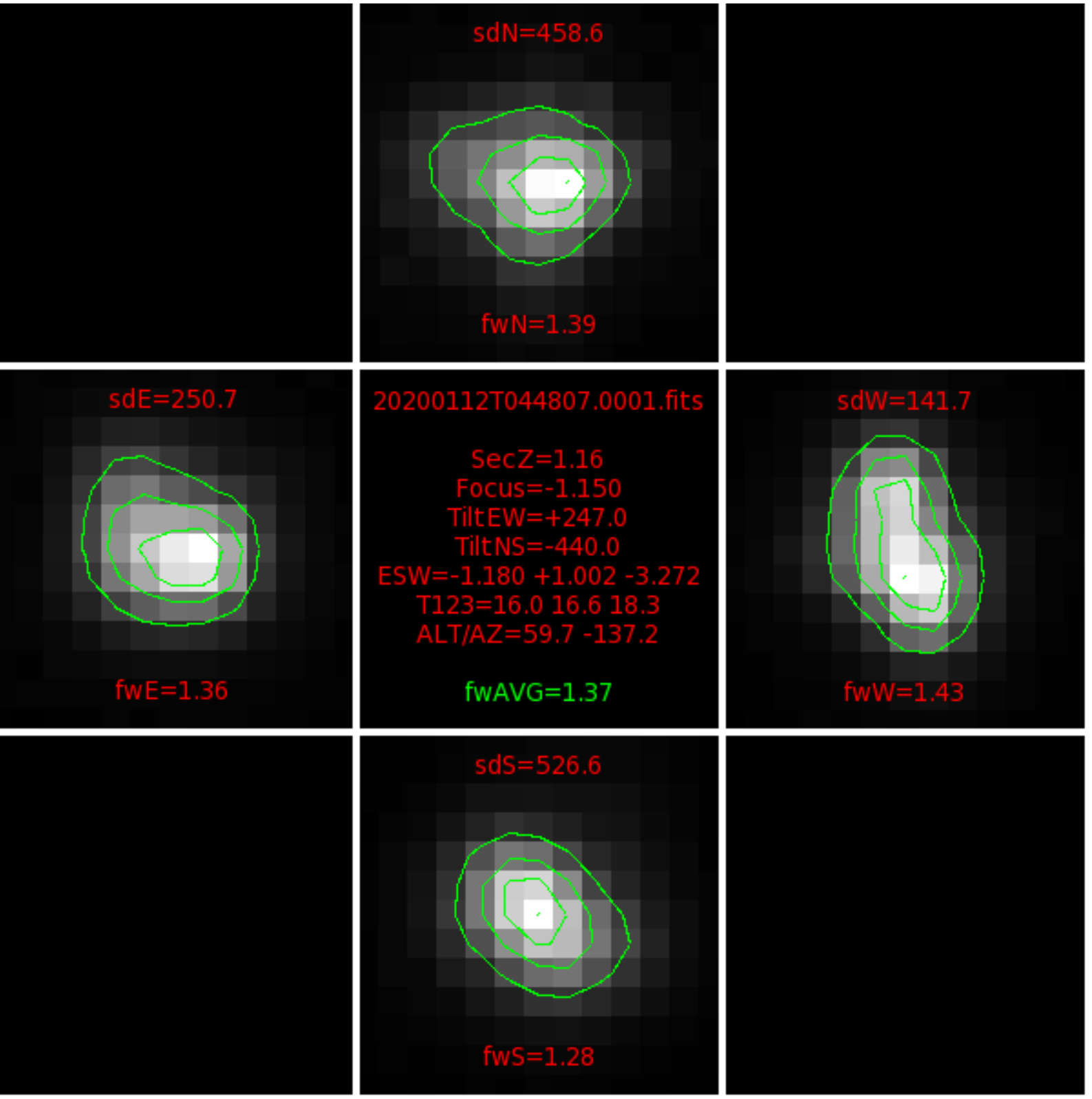

sdN=848.1
fwN=1.50
sdE=576.1
fwE=1.47
20200112T044405.0001.fits
SecZ=1.15
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=60.3 -138.8
fwAVG=1.44
sdW=337.0
fwW=1.46
sdS=972.8
fwS=1.33
0 0 0 0 0 0 0 0 0


sdN=461.1
fwN=1.51
sdE=257.8
fwE=1.46
20200112T044510.0001.fits
SecZ=1.15
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=60.1 -138.4
fwAVG=1.44
sdW=138.2
fwW=1.45
sdS=527.7
fwS=1.34
0 0 0 0 0 0 0 0 0


sdN=406.1
fwN=1.43
sdE=264.3
fwE=1.46
20200112T044617.0001.fits
SecZ=1.16
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=60.0 -137.9
fwAVG=1.41
sdW=89.7
fwW=1.43
sdS=459.4
fwS=1.31
0 0 0 0 0 0 0 0 0


sdN=833.4
fwN=1.48
sdE=569.8
fwE=1.47
20200112T044701.0001.fits
SecZ=1.16
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=59.9 -137.6
fwAVG=1.44
sdW=322.8
fwW=1.48
sdS=943.2
fwS=1.32
0 0 0 0 0 0 0 0 0


sdN=458.6
fwN=1.39
sdE=250.7
fwE=1.36
20200112T044807.0001.fits
SecZ=1.16
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=59.7 -137.2
fwAVG=1.37
sdW=141.7
fwW=1.43
sdS=526.6
fwS=1.28
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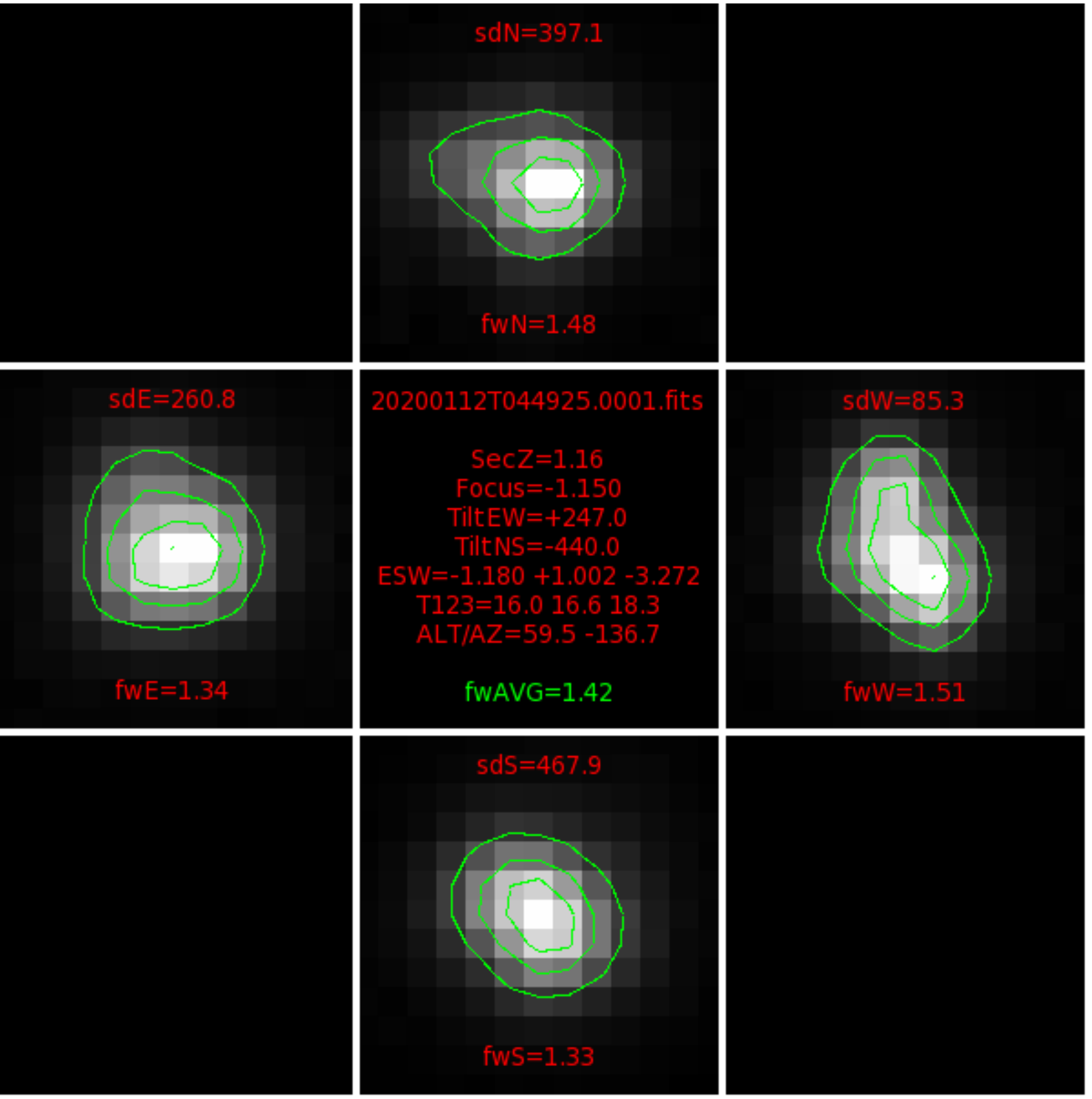
sdN=397.1
fwN=1.48
sdE=260.8
fwE=1.34
20200112T044925.0001.fits
SecZ=1.16
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=59.5 -136.7
fwAVG=1.42
sdW=85.3
fwW=1.51
sdS=467.9
fwS=1.33
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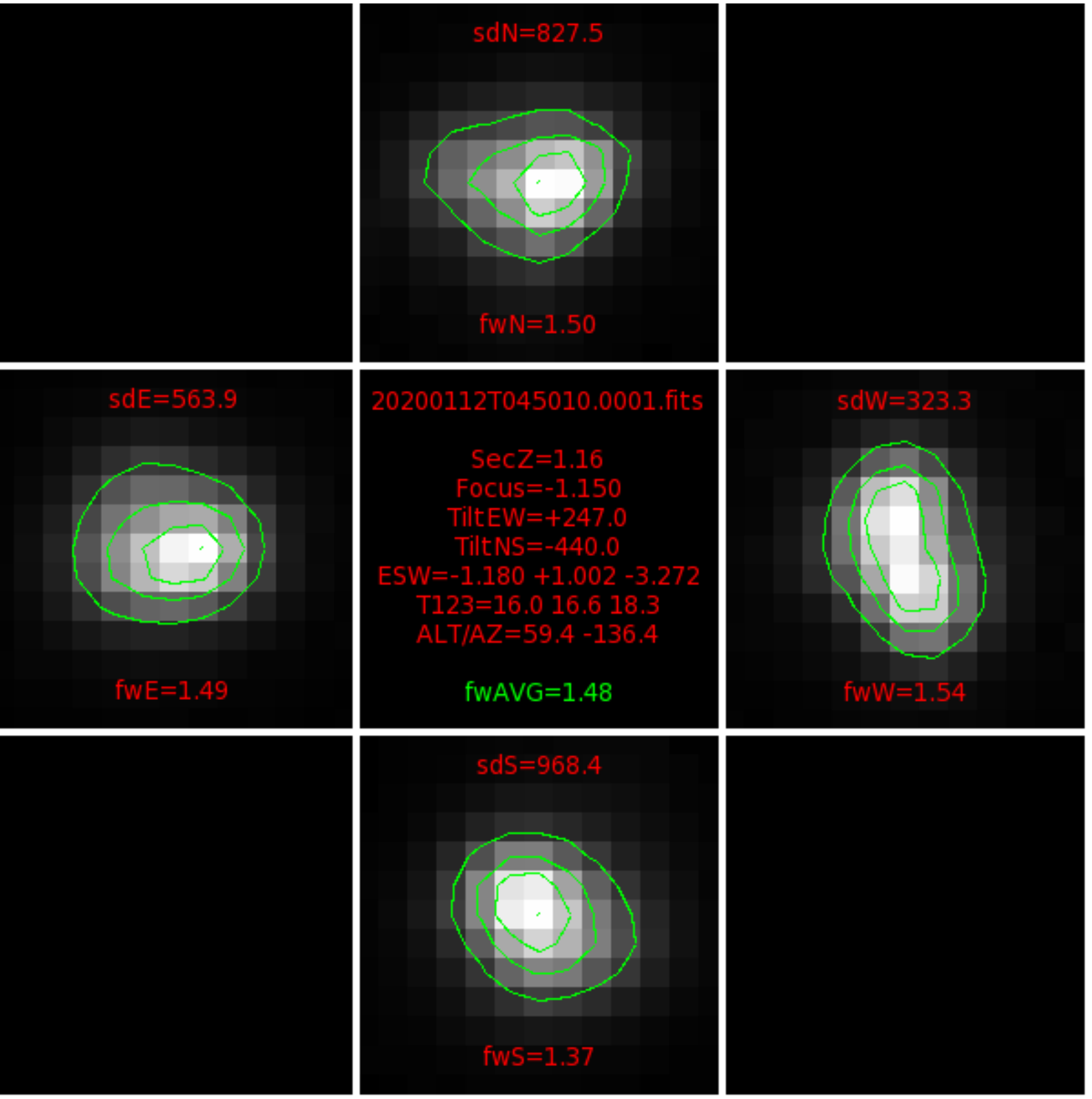
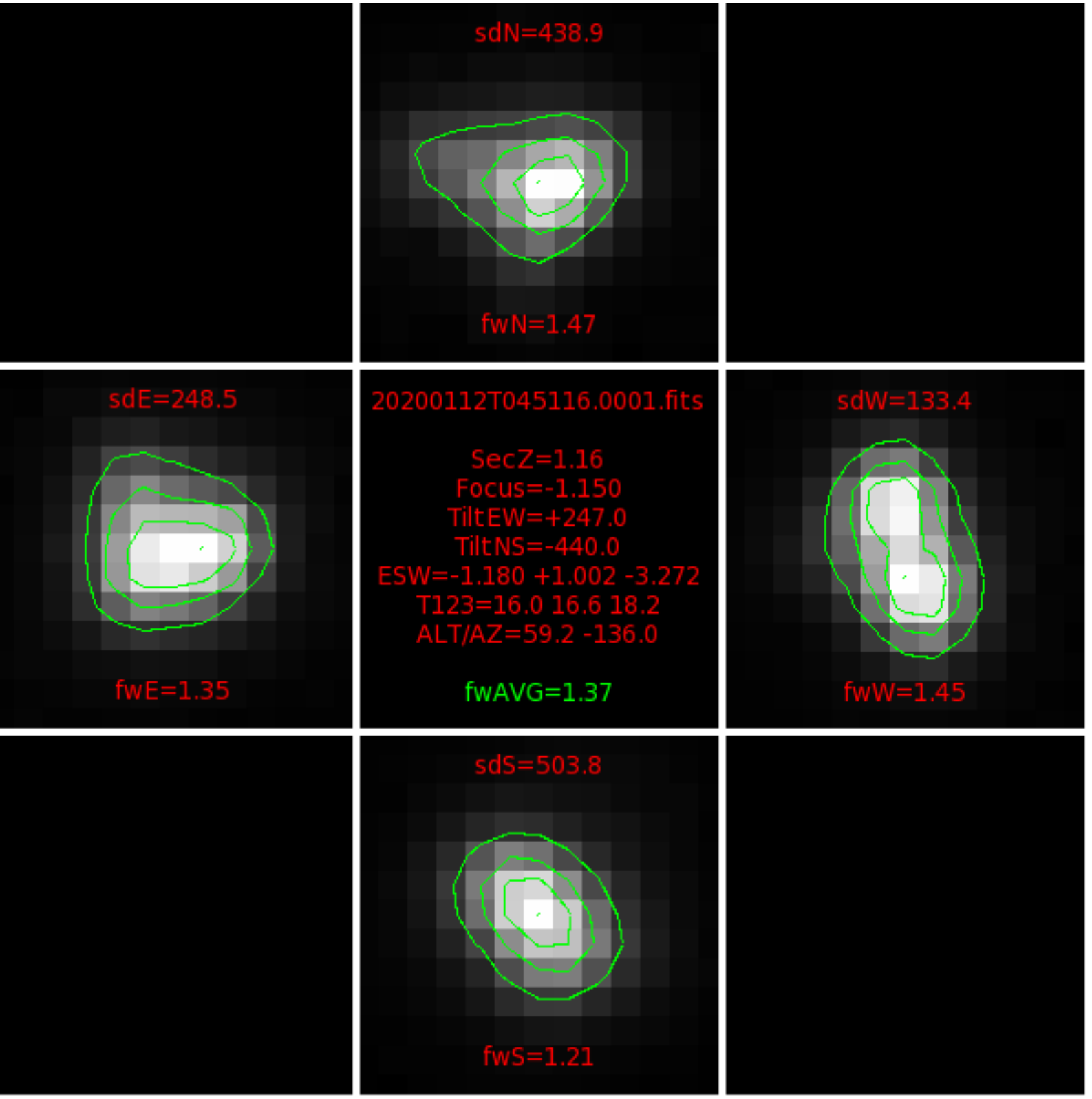

sdN=827.5
fwN=1.50
sdE=563.9
fwE=1.49
20200112T045010.0001.fits
SecZ=1.16
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=59.4 -136.4
fwAVG=1.48
sdW=323.3
fwW=1.54
sdS=968.4
fwS=1.37
0 0 0 0 0 0 0 0 0


sdN=438.9
fwN=1.47
sdE=248.5
fwE=1.35
20200112T045116.0001.fits
SecZ=1.16
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.2
ALT/AZ=59.2 -136.0
fwAVG=1.37
sdW=133.4
fwW=1.45
sdS=503.8
fwS=1.21
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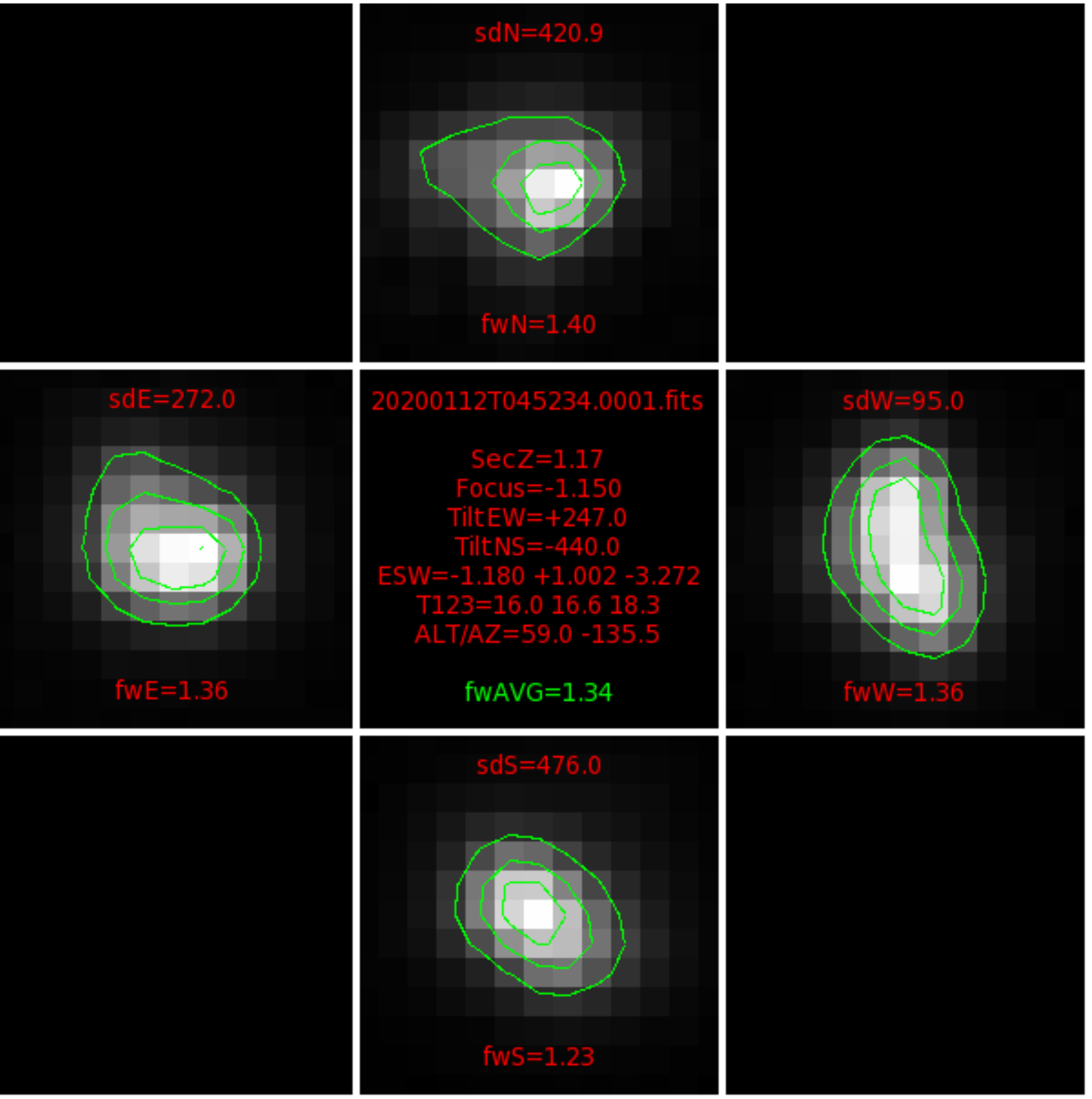
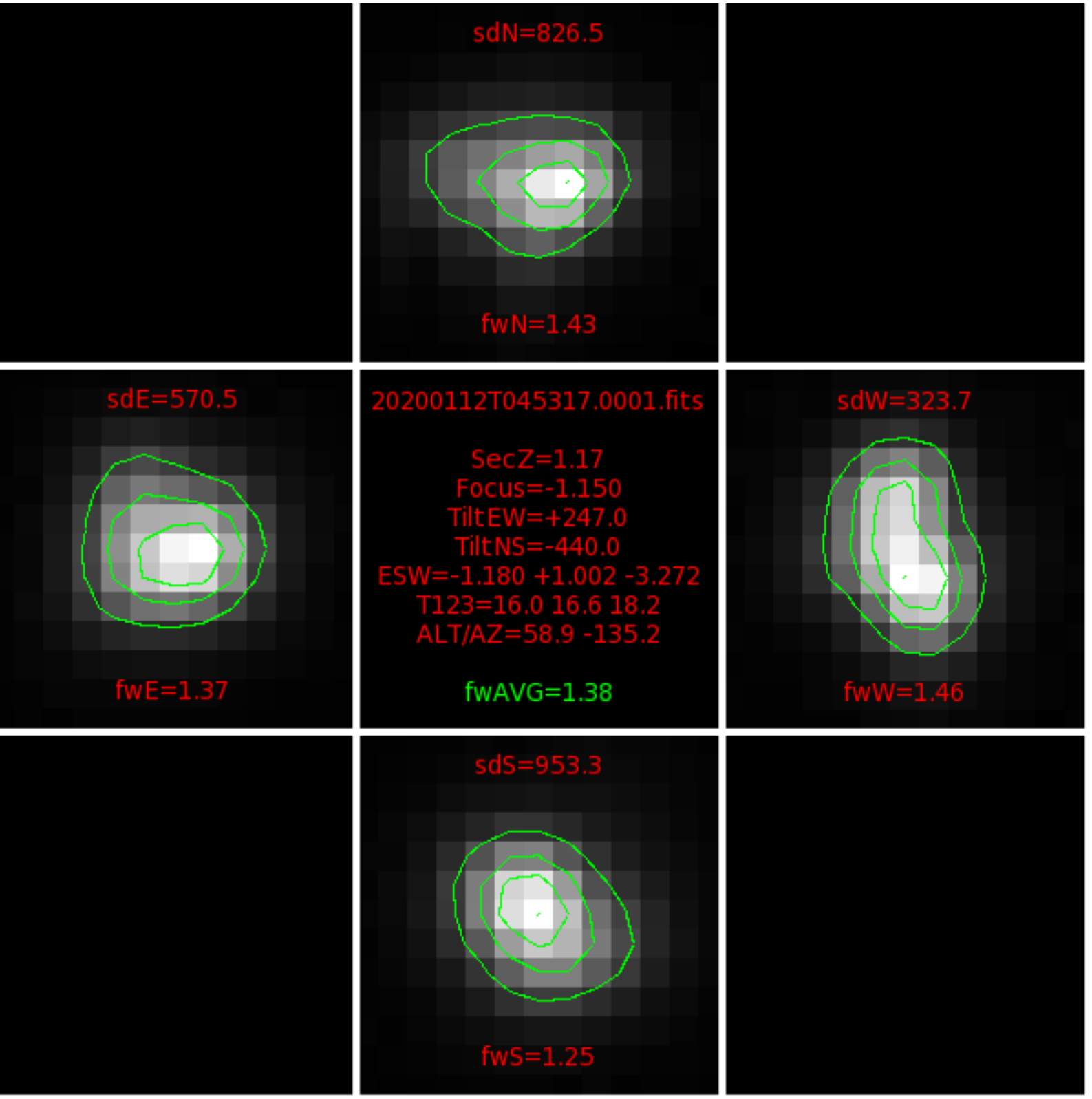
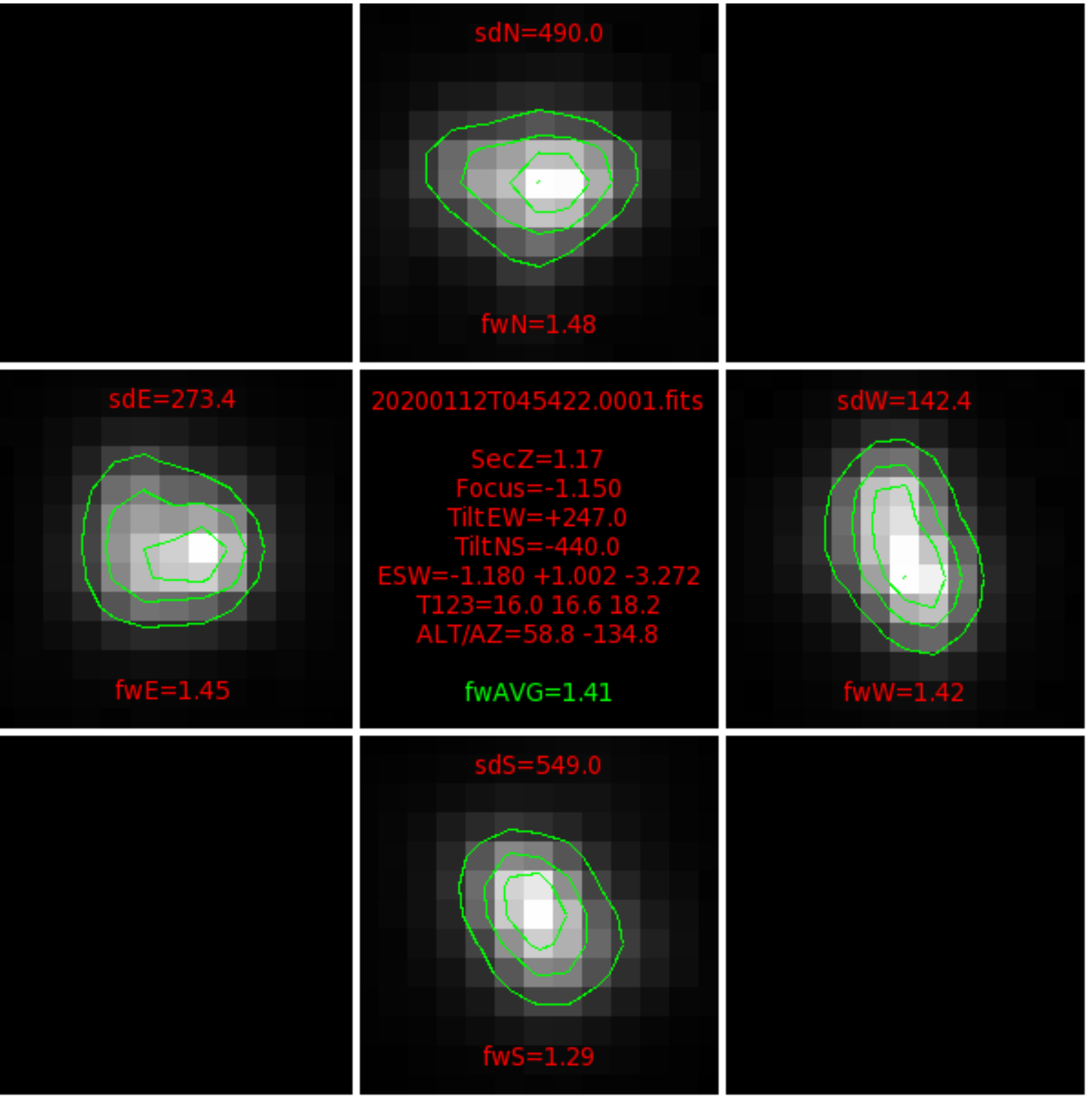
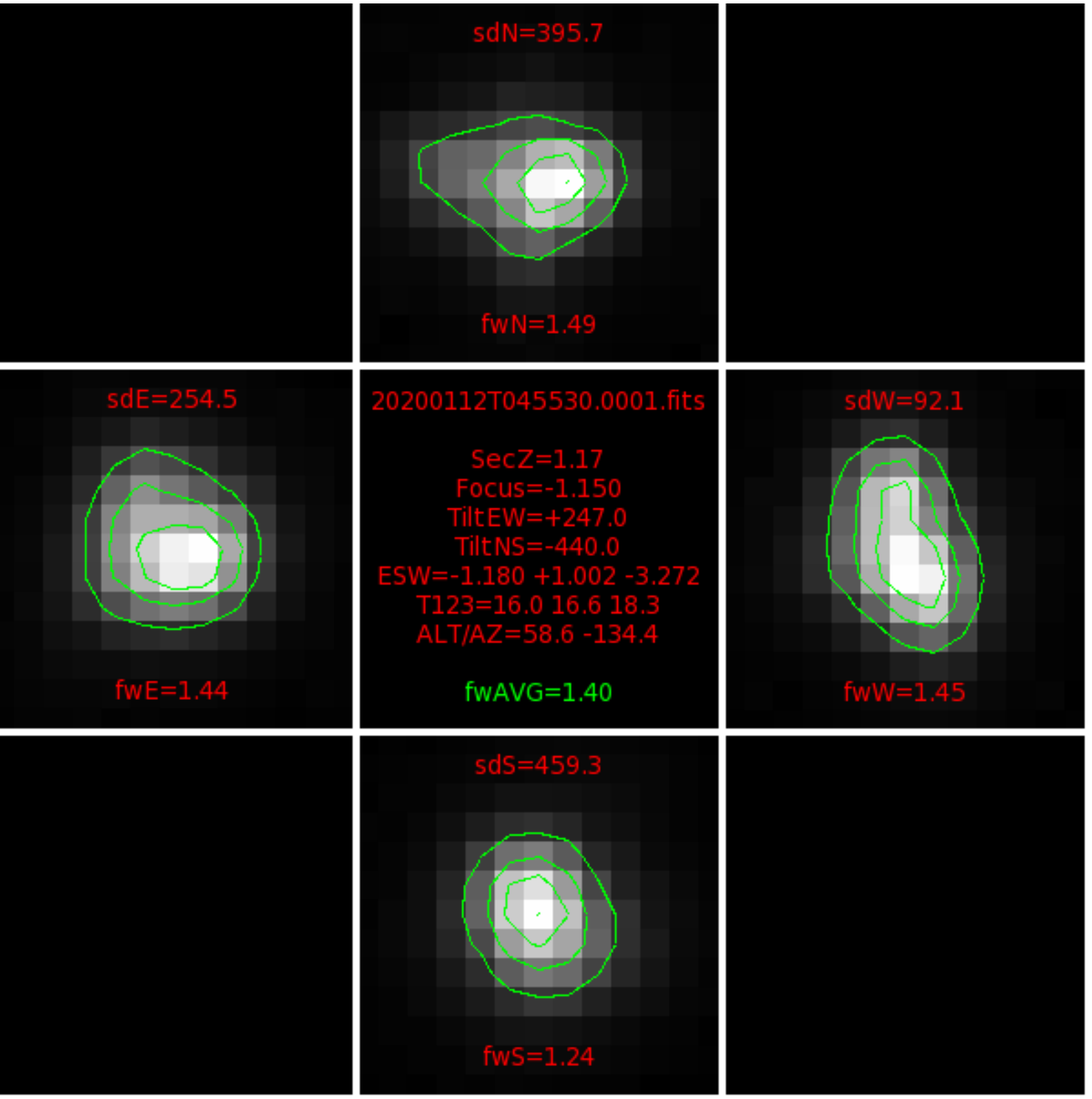

sdN=420.9
fwN=1.40
sdE=272.0
fwE=1.36
20200112T045234.0001.fits
SecZ=1.17
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=59.0 -135.5
fwAVG=1.34
sdW=95.0
fwW=1.36
sdS=476.0
fwS=1.23
0 0 0 0 0 0 0 0 0


sdN=826.5
fwN=1.43
sdE=570.5
fwE=1.37
20200112T045317.0001.fits
SecZ=1.17
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.2
ALT/AZ=58.9 -135.2
fwAVG=1.38
sdW=323.7
fwW=1.46
sdS=953.3
fwS=1.25
0 0 0 0 0 0 0 0 0


sdN=490.0
fwN=1.48
sdE=273.4
fwE=1.45
20200112T045422.0001.fits
SecZ=1.17
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.2
ALT/AZ=58.8 -134.8
fwAVG=1.41
sdW=142.4
fwW=1.42
sdS=549.0
fwS=1.29
0 0 0 0 0 0 0 0 0


sdN=395.7
fwN=1.49
sdE=254.5
fwE=1.44
20200112T045530.0001.fits
SecZ=1.17
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.3
ALT/AZ=58.6 -134.4
fwAVG=1.40
sdW=92.1
fwW=1.45
sdS=459.3
fwS=1.24
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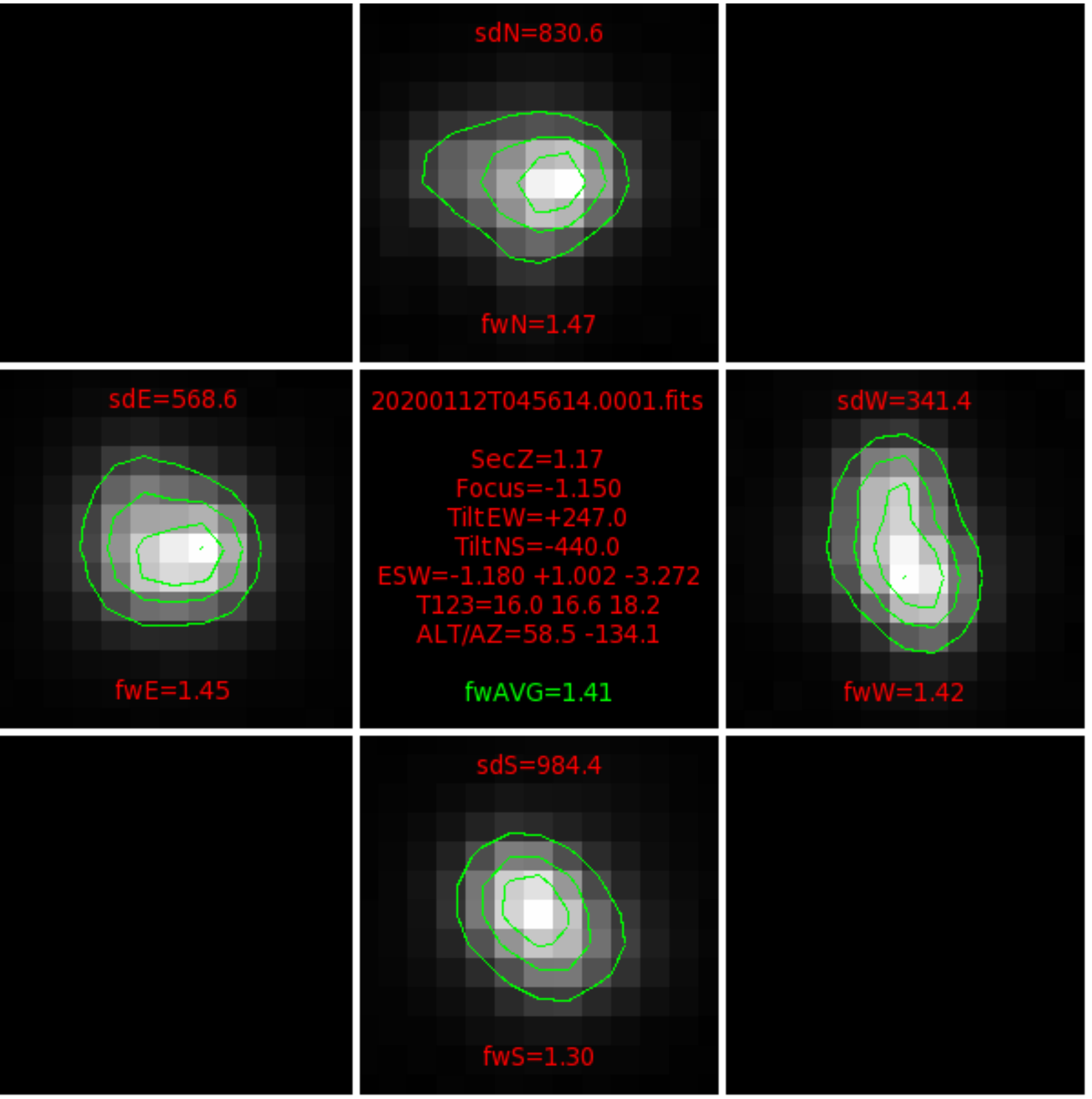
sdN=830.6
fwN=1.47
sdE=568.6
fwE=1.45
20200112T045614.0001.fits
SecZ=1.17
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.2
ALT/AZ=58.5 -134.1
fwAVG=1.41
sdW=341.4
fwW=1.42
sdS=984.4
fwS=1.30
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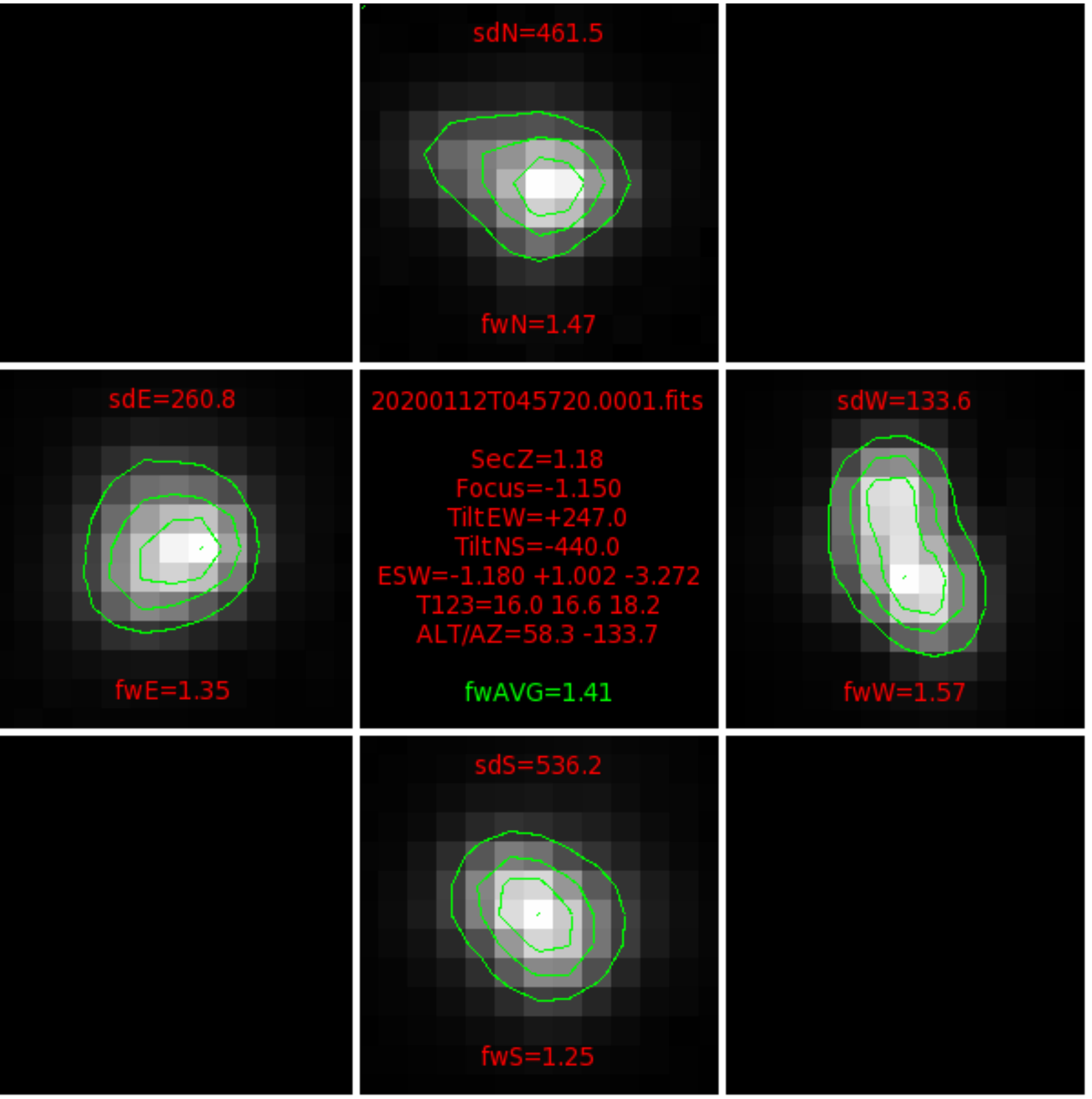
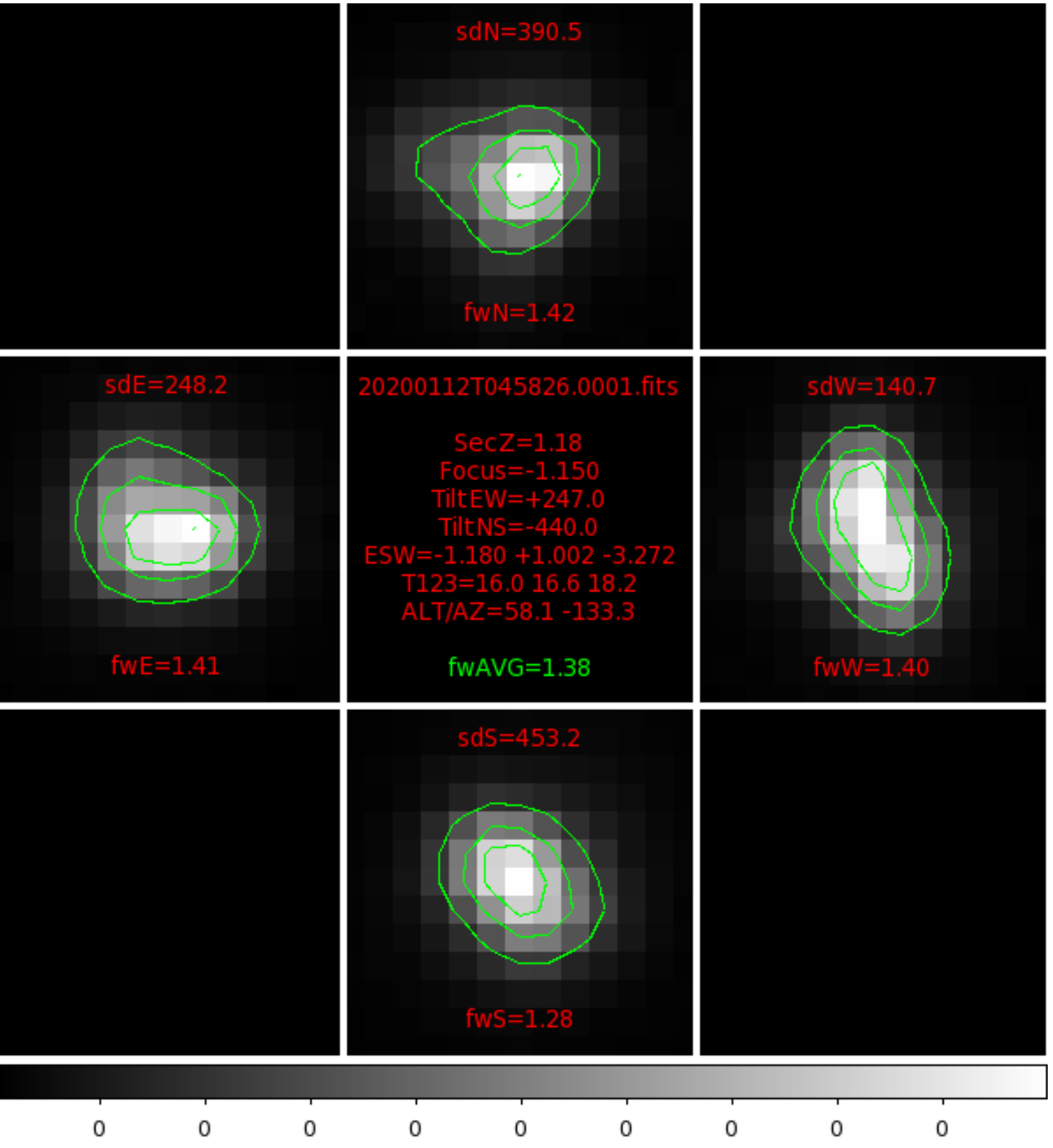

sdN=461.5
fwN=1.47
sdE=260.8
fwE=1.35
20200112T045720.0001.fits
SecZ=1.18
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.2
ALT/AZ=58.3 -133.7
fwAVG=1.41
sdW=133.6
fwW=1.57
sdS=536.2
fwS=1.25
0 0 0 0 0 0 0 0 0


sdN=390.5
fwN=1.42
sdE=248.2
fwE=1.41
20200112T045826.0001.fits
SecZ=1.18
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.2
ALT/AZ=58.1 -133.3
fwAVG=1.38
sdW=140.7
fwW=1.40
sdS=453.2
fwS=1.28
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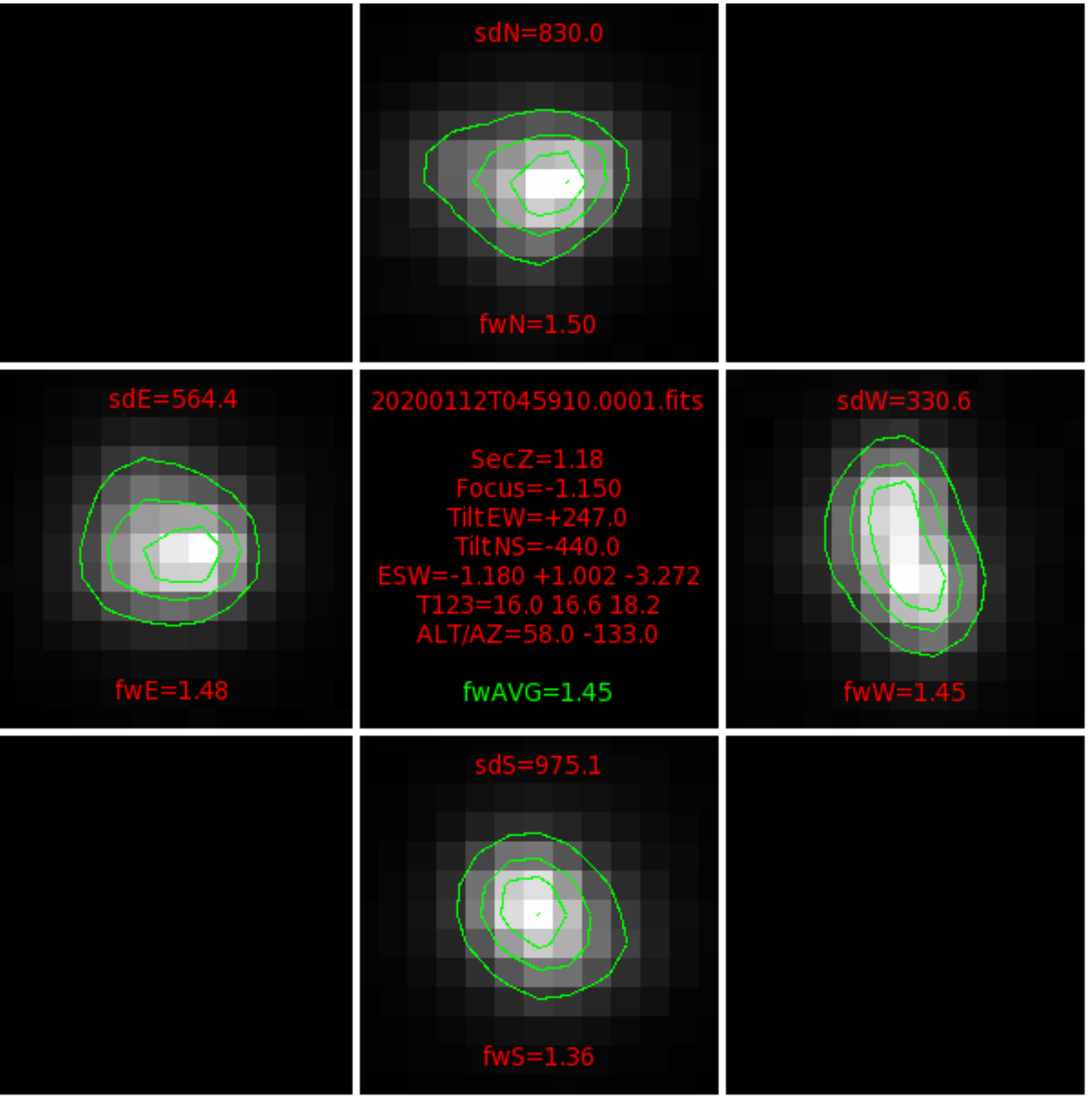
sdN=830.0
fwN=1.50
sdE=564.4
fwE=1.48
20200112T045910.0001.fits
SecZ=1.18
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.2
ALT/AZ=58.0 -133.0
fwAVG=1.45
sdW=330.6
fwW=1.45
sdS=975.1
fwS=1.36
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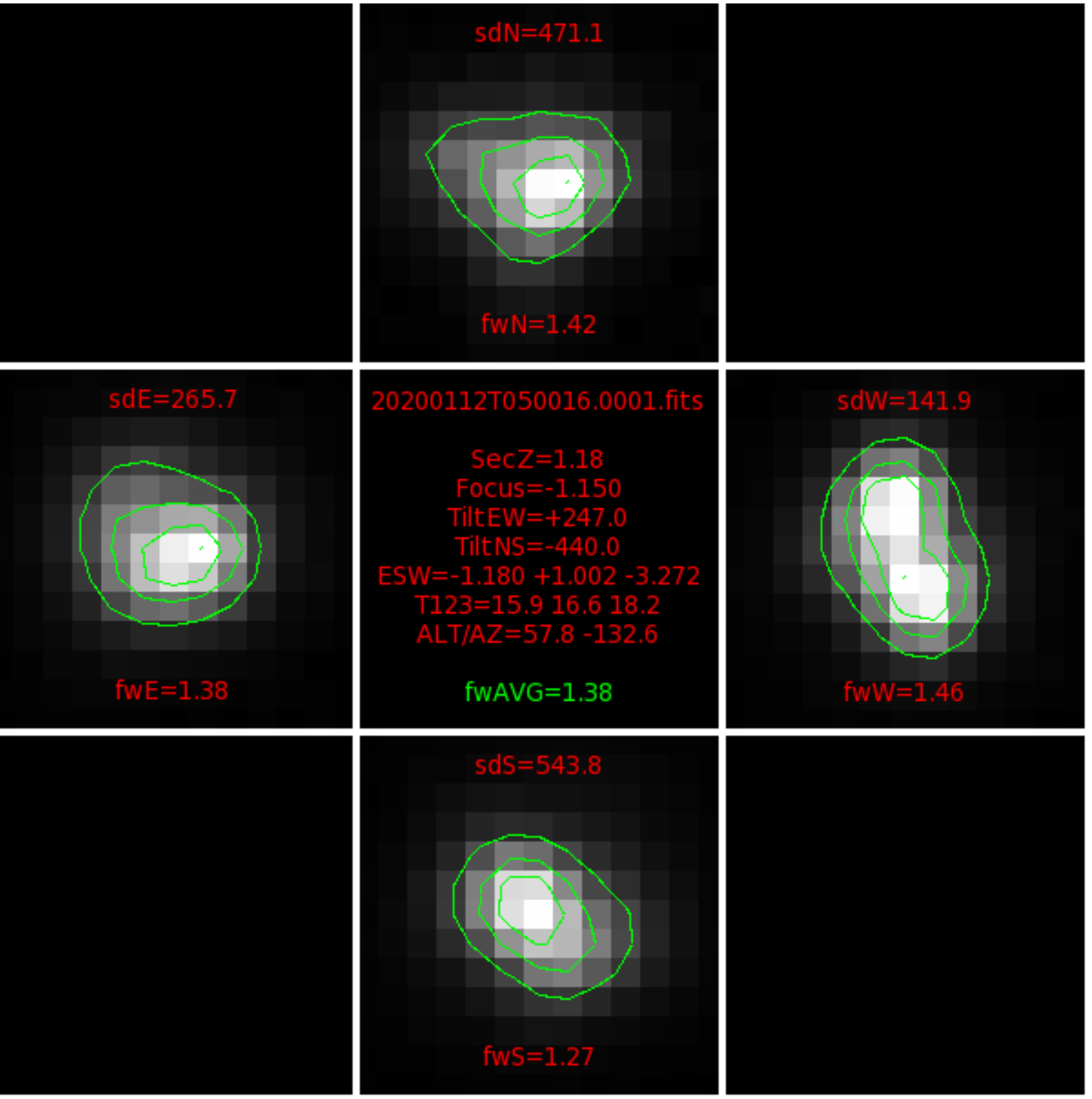
sdN=471.1
fwN=1.42
sdE=265.7
fwE=1.38
20200112T050016.0001.fits
SecZ=1.18
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=15.9 16.6 18.2
ALT/AZ=57.8 -132.6
fwAVG=1.38
sdW=141.9
fwW=1.46
sdS=543.8
fwS=1.27
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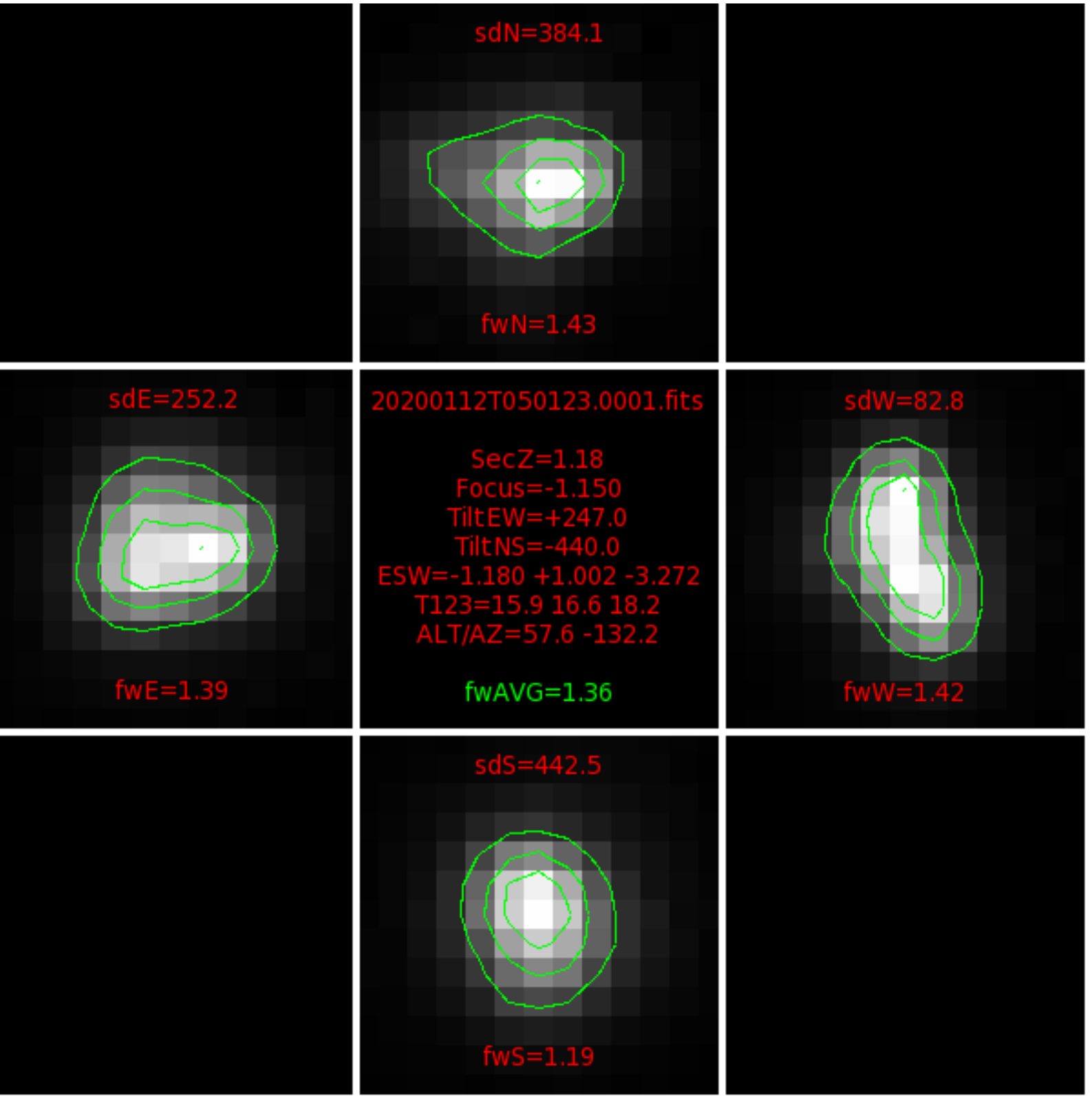
sdN=384.1
fwN=1.43
sdE=252.2
fwE=1.39
20200112T050123.0001.fits
SecZ=1.18
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=15.9 16.6 18.2
ALT/AZ=57.6 -132.2
fwAVG=1.36
sdW=82.8
fwW=1.42
sdS=442.5
fwS=1.19
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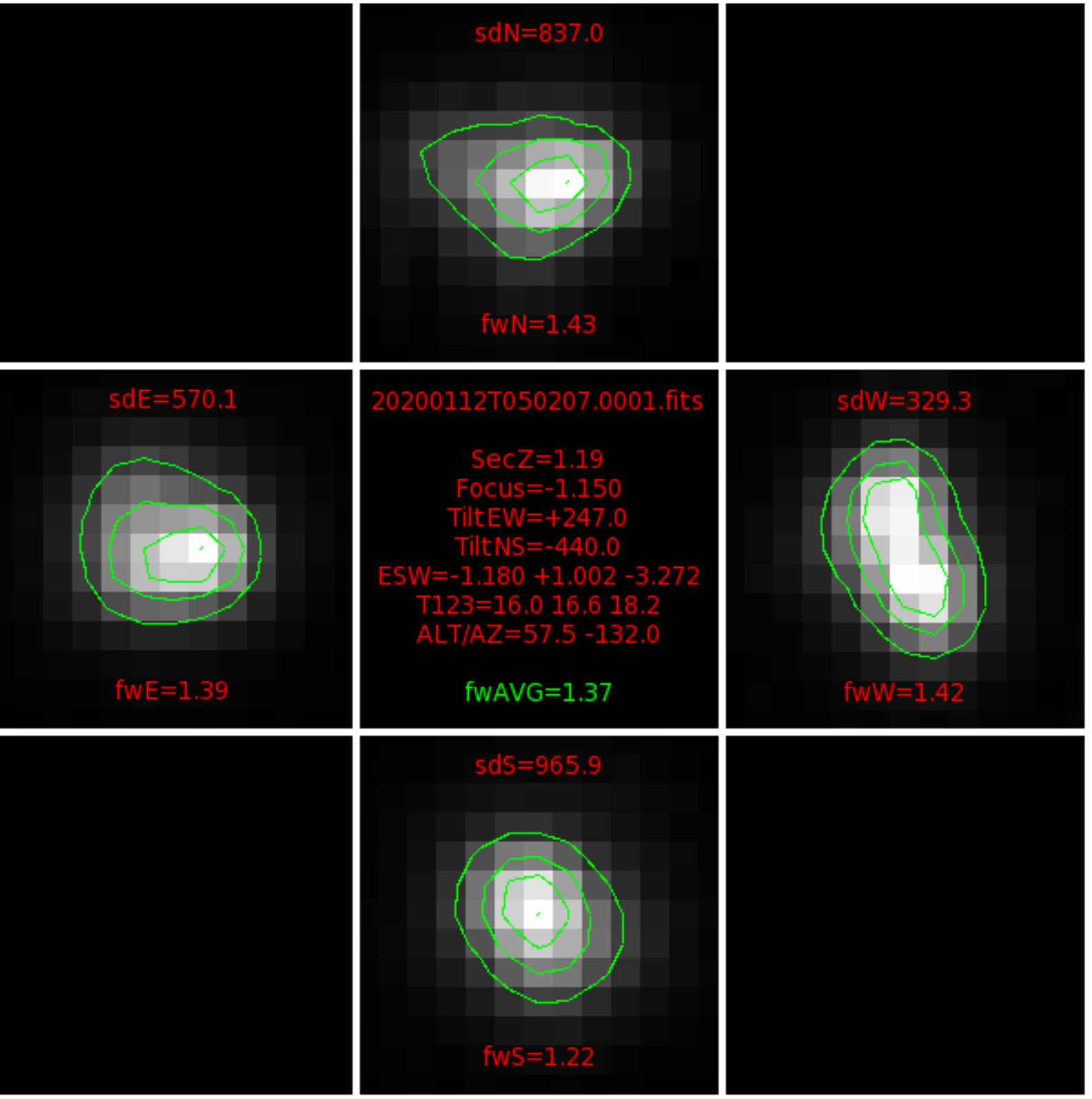
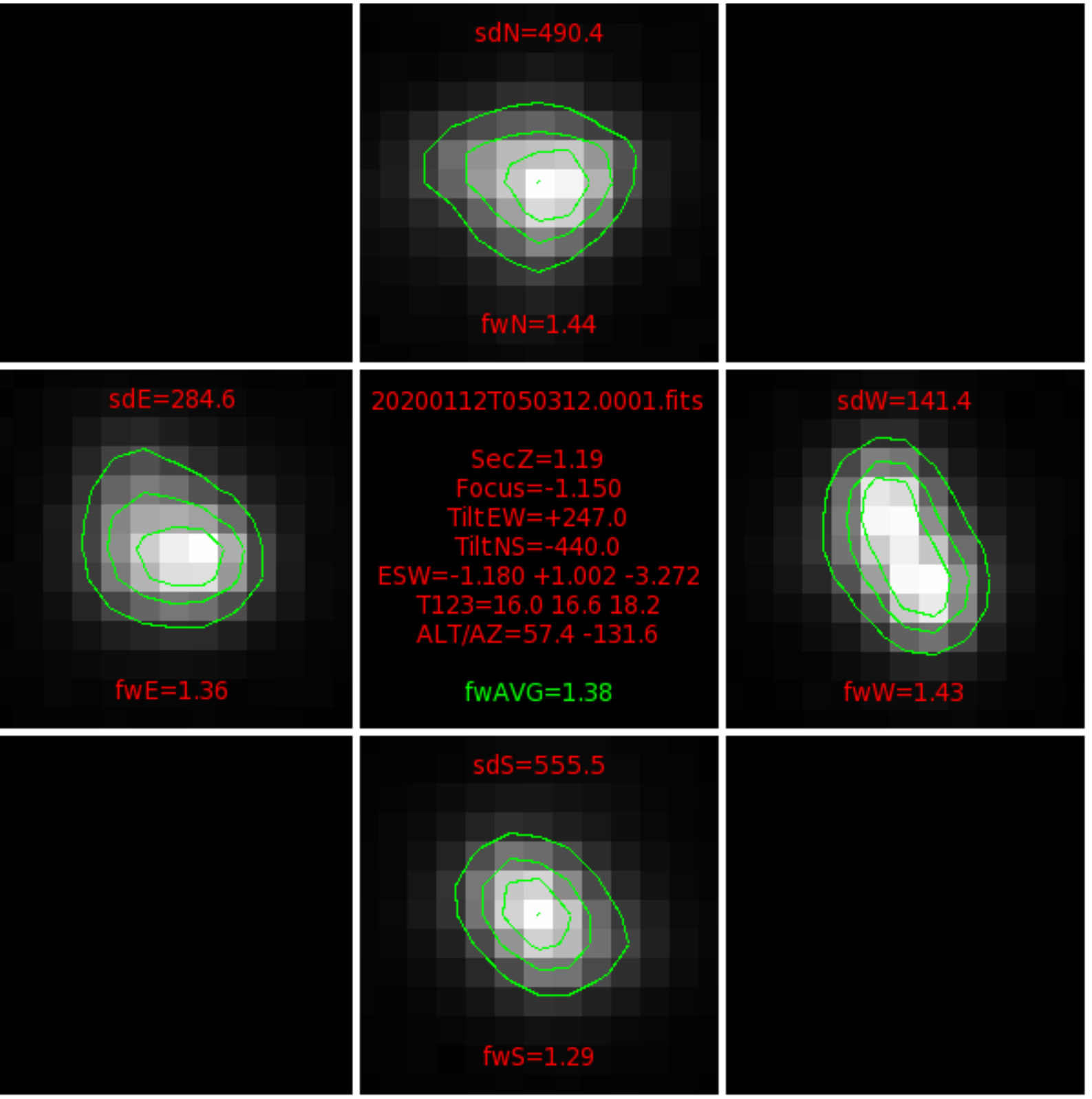

sdN=837.0
fwN=1.43
sdE=570.1
fwE=1.39
20200112T050207.0001.fits
SecZ=1.19
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.2
ALT/AZ=57.5 -132.0
fwAVG=1.37
sdW=329.3
fwW=1.42
sdS=965.9
fwS=1.22
0 0 0 0 0 0 0 0 0


sdN=490.4
fwN=1.44
sdE=284.6
fwE=1.36
20200112T050312.0001.fits
SecZ=1.19
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=16.0 16.6 18.2
ALT/AZ=57.4 -131.6
fwAVG=1.38
sdW=141.4
fwW=1.43
sdS=555.5
fwS=1.29
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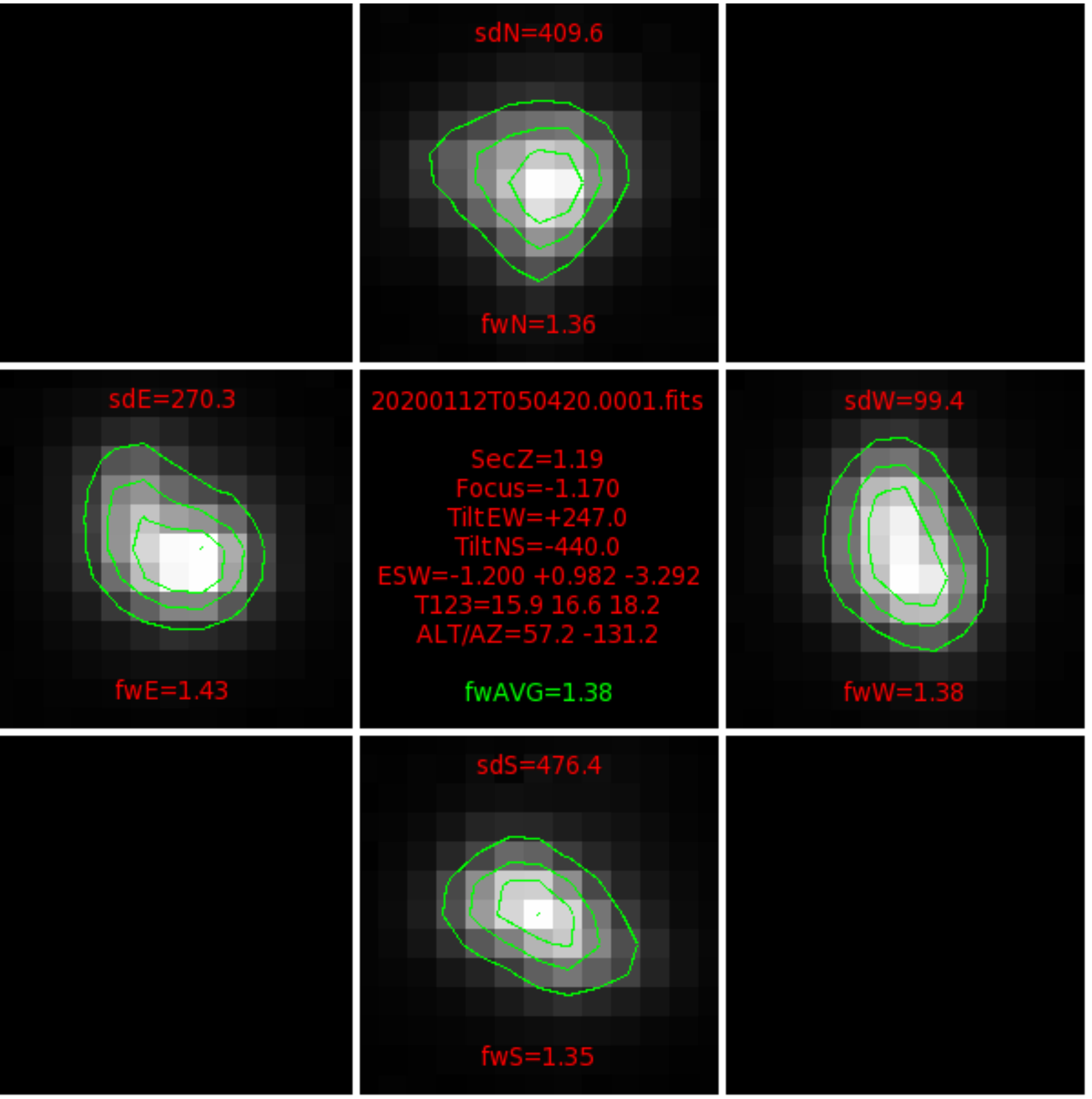
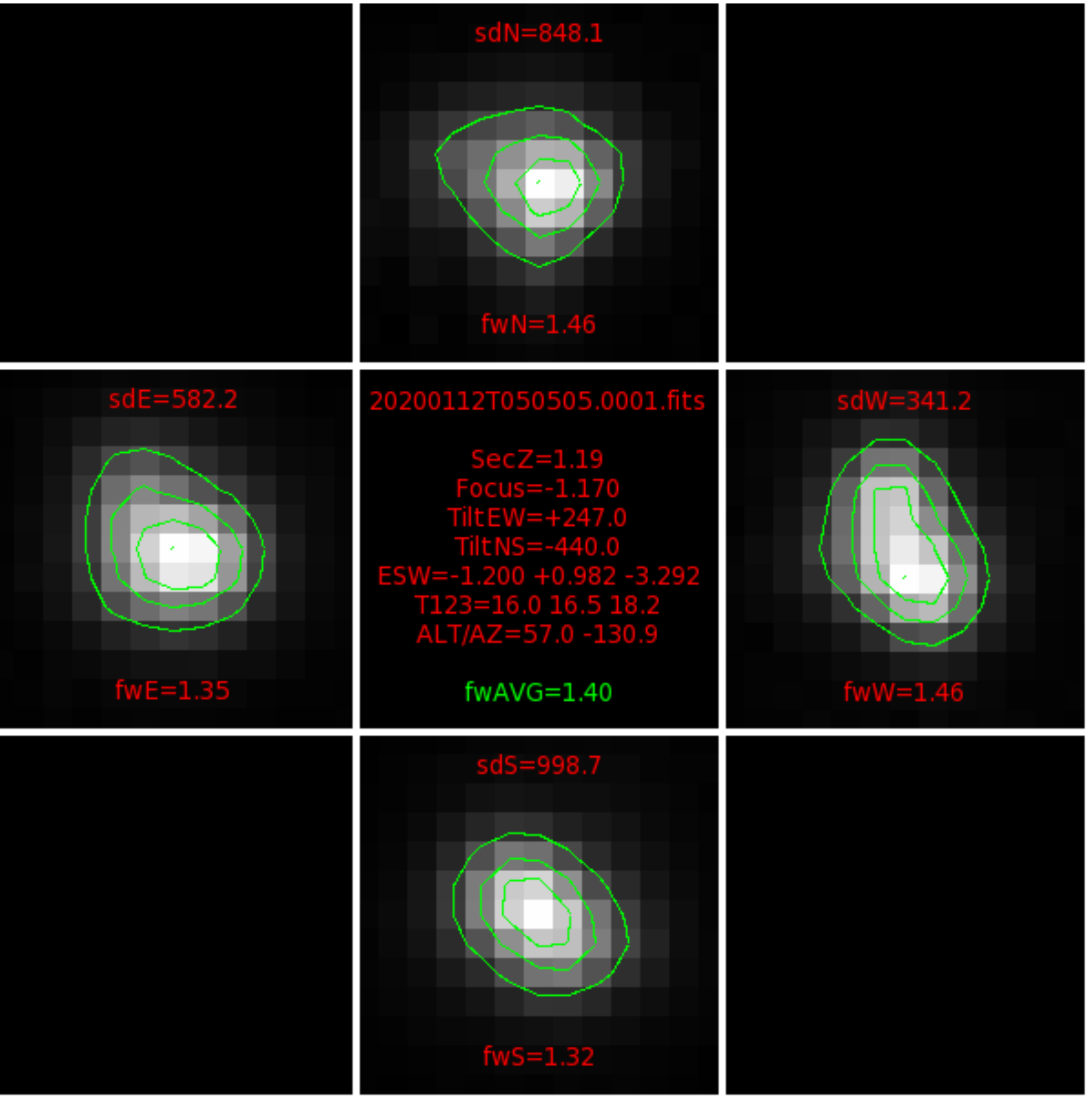

sdN=409.6
fwN=1.36
sdE=270.3
fwE=1.43
20200112T050420.0001.fits
SecZ=1.19
Focus=-1.170
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.200 +0.982 -3.292
T123=15.9 16.6 18.2
ALT/AZ=57.2 -131.2
fwAVG=1.38
sdW=99.4
fwW=1.38
sdS=476.4
fwS=1.35
0 0 0 0 0 0 0 0 0


sdN=848.1
fwN=1.46
sdE=582.2
fwE=1.35
20200112T050505.0001.fits
SecZ=1.19
Focus=-1.170
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.200 +0.982 -3.292
T123=16.0 16.5 18.2
ALT/AZ=57.0 -130.9
fwAVG=1.40
sdW=341.2
fwW=1.46
sdS=998.7
fwS=1.32
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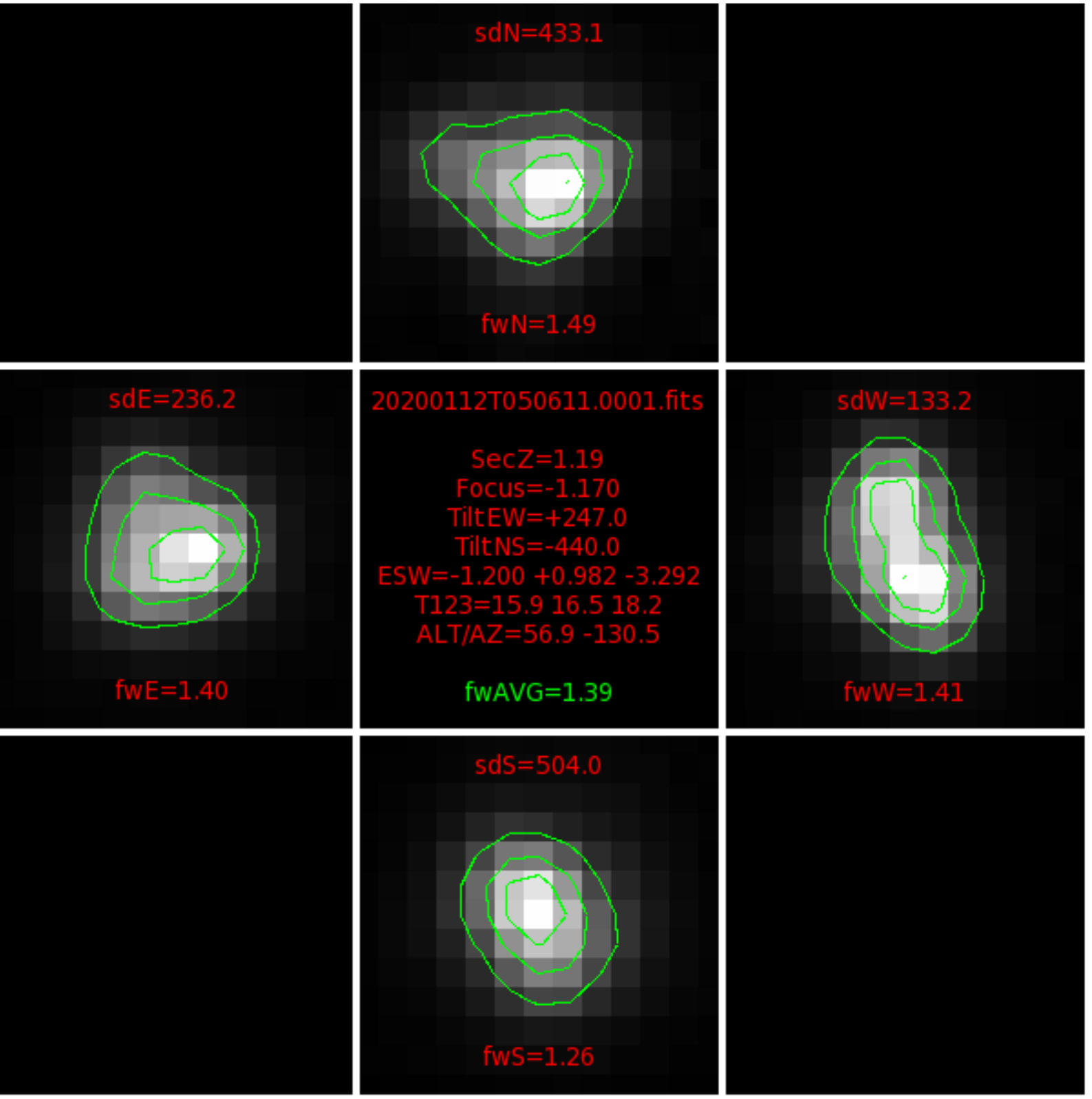
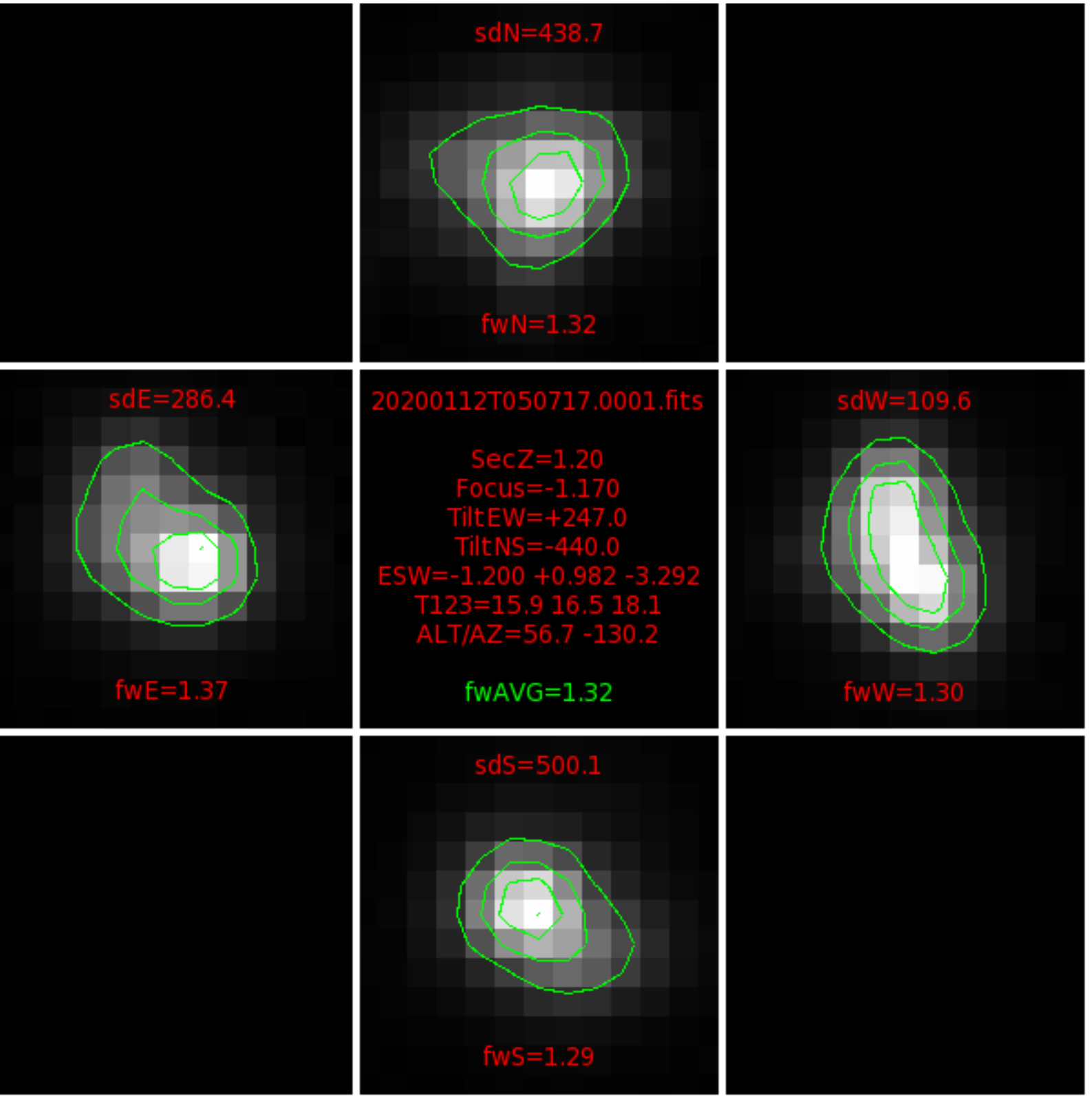

sdN=433.1
fwN=1.49
sdE=236.2
fwE=1.40
20200112T050611.0001.fits
SecZ=1.19
Focus=-1.170
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.200 +0.982 -3.292
T123=15.9 16.5 18.2
ALT/AZ=56.9 -130.5
fwAVG=1.39
sdW=133.2
fwW=1.41
sdS=504.0
fwS=1.26
0 0 0 0 0 0 0 0 0


sdN=438.7
fwN=1.32
sdE=286.4
fwE=1.37
20200112T050717.0001.fits
SecZ=1.20
Focus=-1.170
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.200 +0.982 -3.292
T123=15.9 16.5 18.1
ALT/AZ=56.7 -130.2
fwAVG=1.32
sdW=109.6
fwW=1.30
sdS=500.1
fwS=1.29
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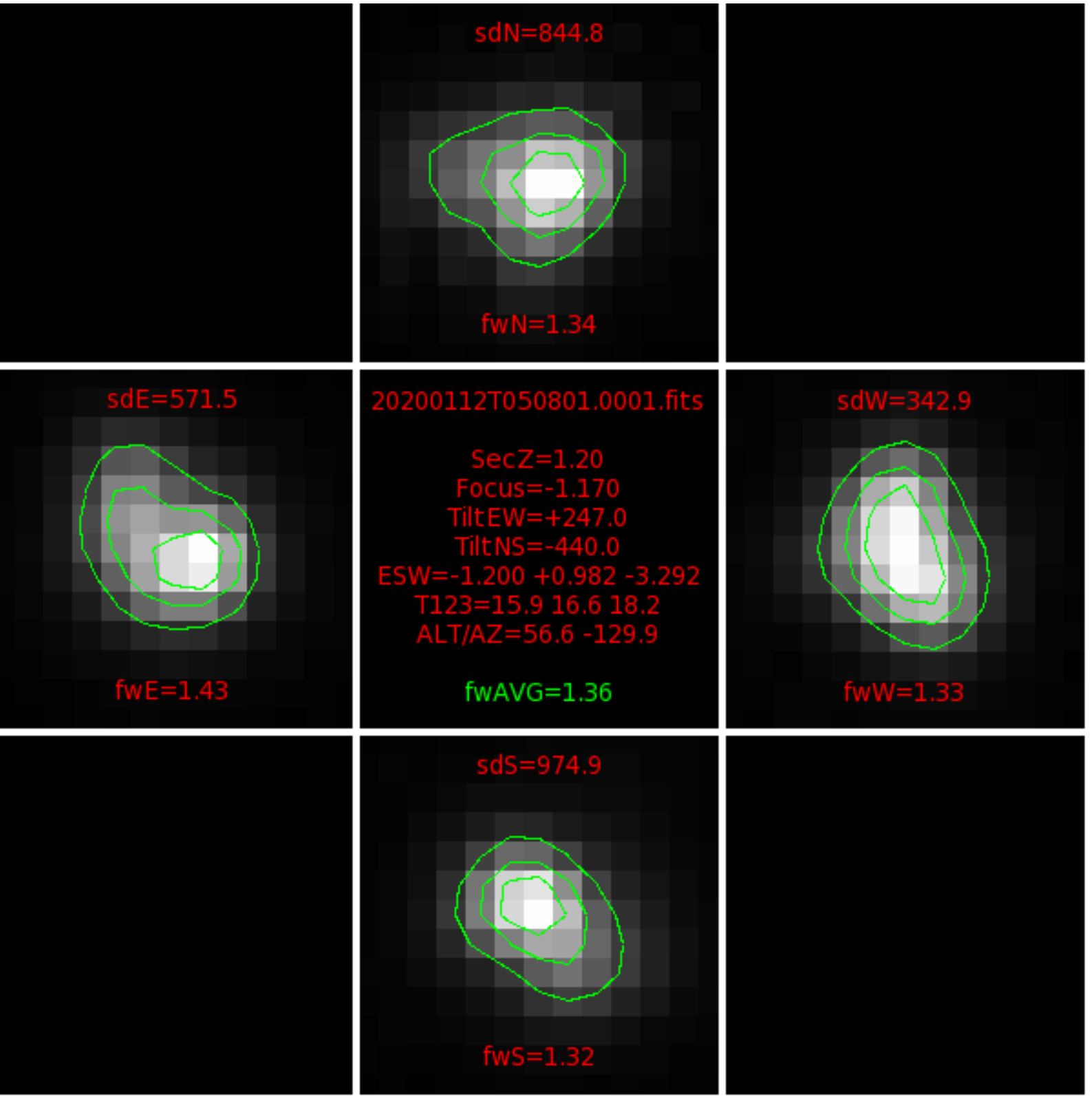
sdN=844.8
fwN=1.34
sdE=571.5
fwE=1.43
20200112T050801.0001.fits
SecZ=1.20
Focus=-1.170
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.200 +0.982 -3.292
T123=15.9 16.6 18.2
ALT/AZ=56.6 -129.9
fwAVG=1.36
sdW=342.9
fwW=1.33
sdS=974.9
fwS=1.32
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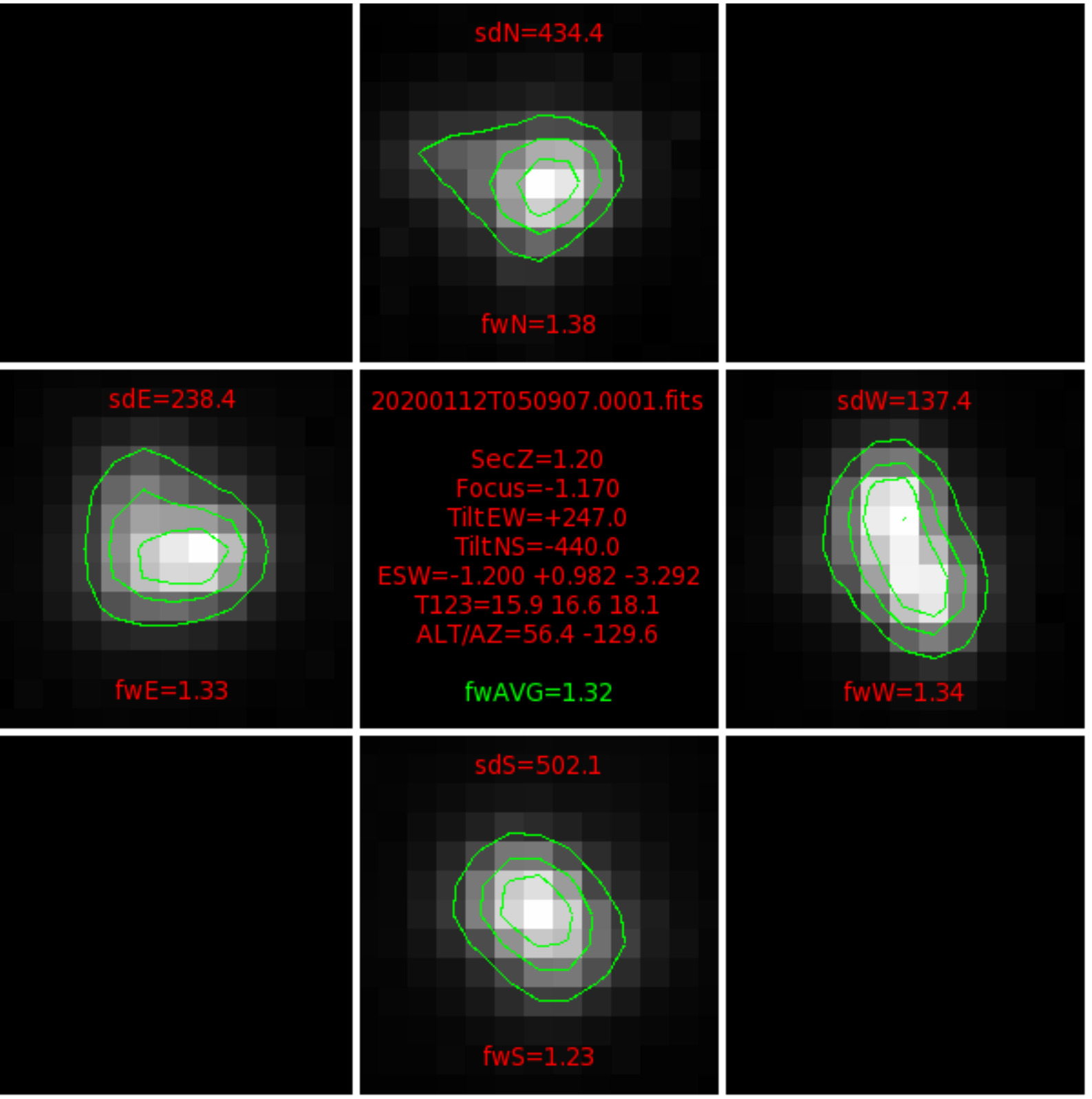
sdN=434.4
fwN=1.38
sdE=238.4
fwE=1.33
20200112T050907.0001.fits
SecZ=1.20
Focus=-1.170
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.200 +0.982 -3.292
T123=15.9 16.6 18.1
ALT/AZ=56.4 -129.6
fwAVG=1.32
sdW=137.4
fwW=1.34
sdS=502.1
fwS=1.23
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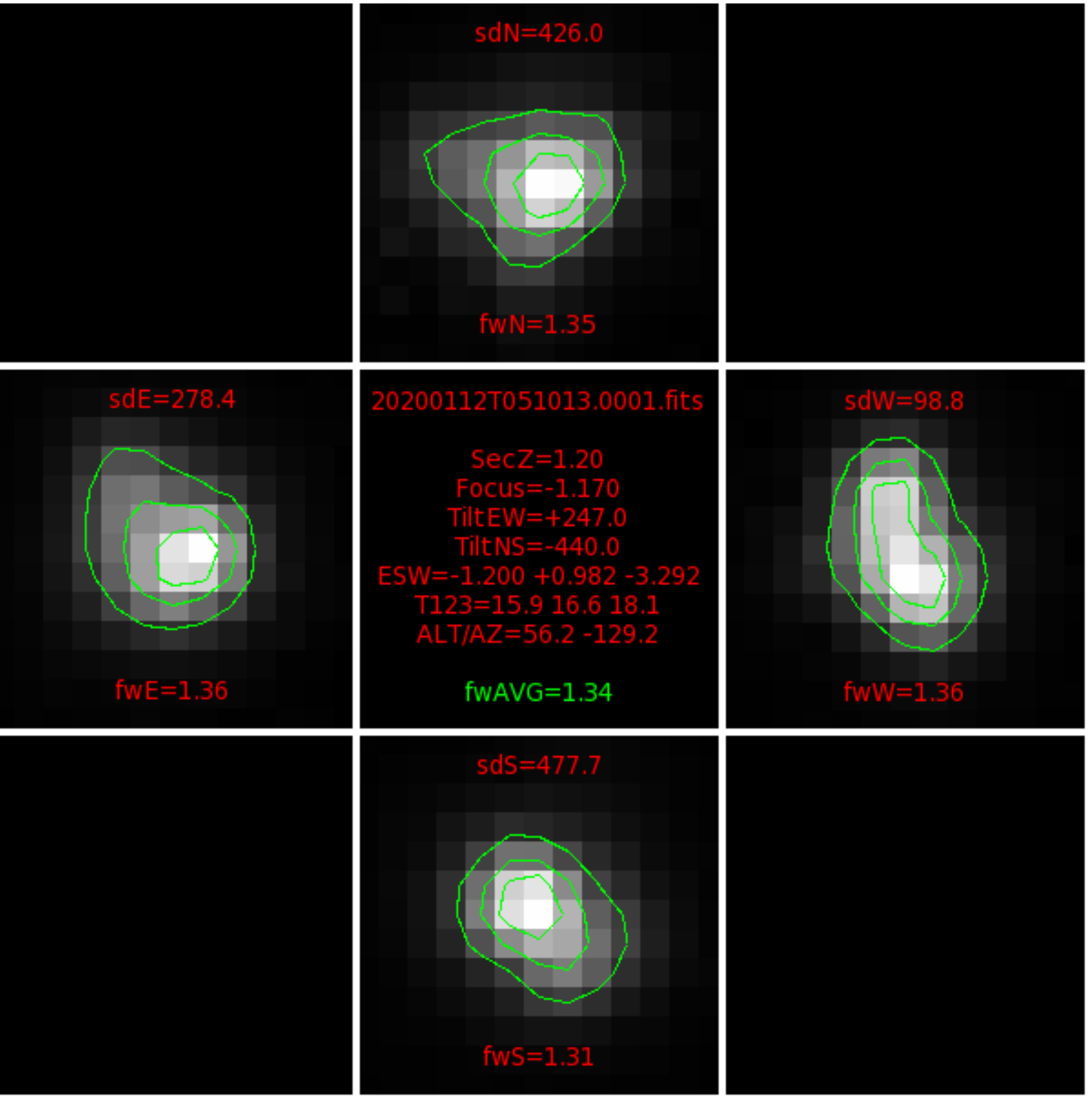
sdN=426.0
fwN=1.35
sdE=278.4
fwE=1.36
20200112T051013.0001.fits
SecZ=1.20
Focus=-1.170
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.200 +0.982 -3.292
T123=15.9 16.6 18.1
ALT/AZ=56.2 -129.2
fwAVG=1.34
sdW=98.8
fwW=1.36
sdS=477.7
fwS=1.31
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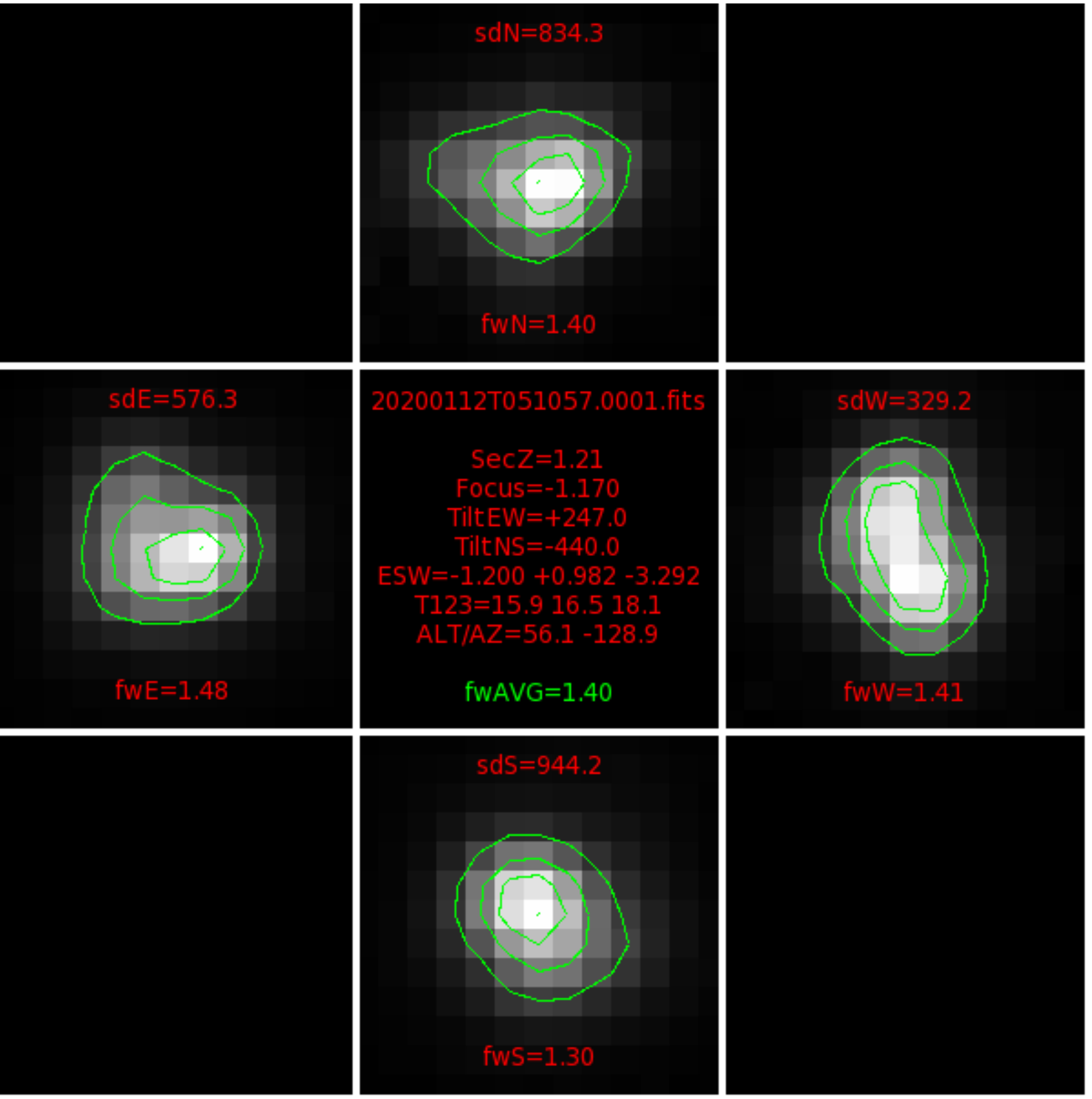
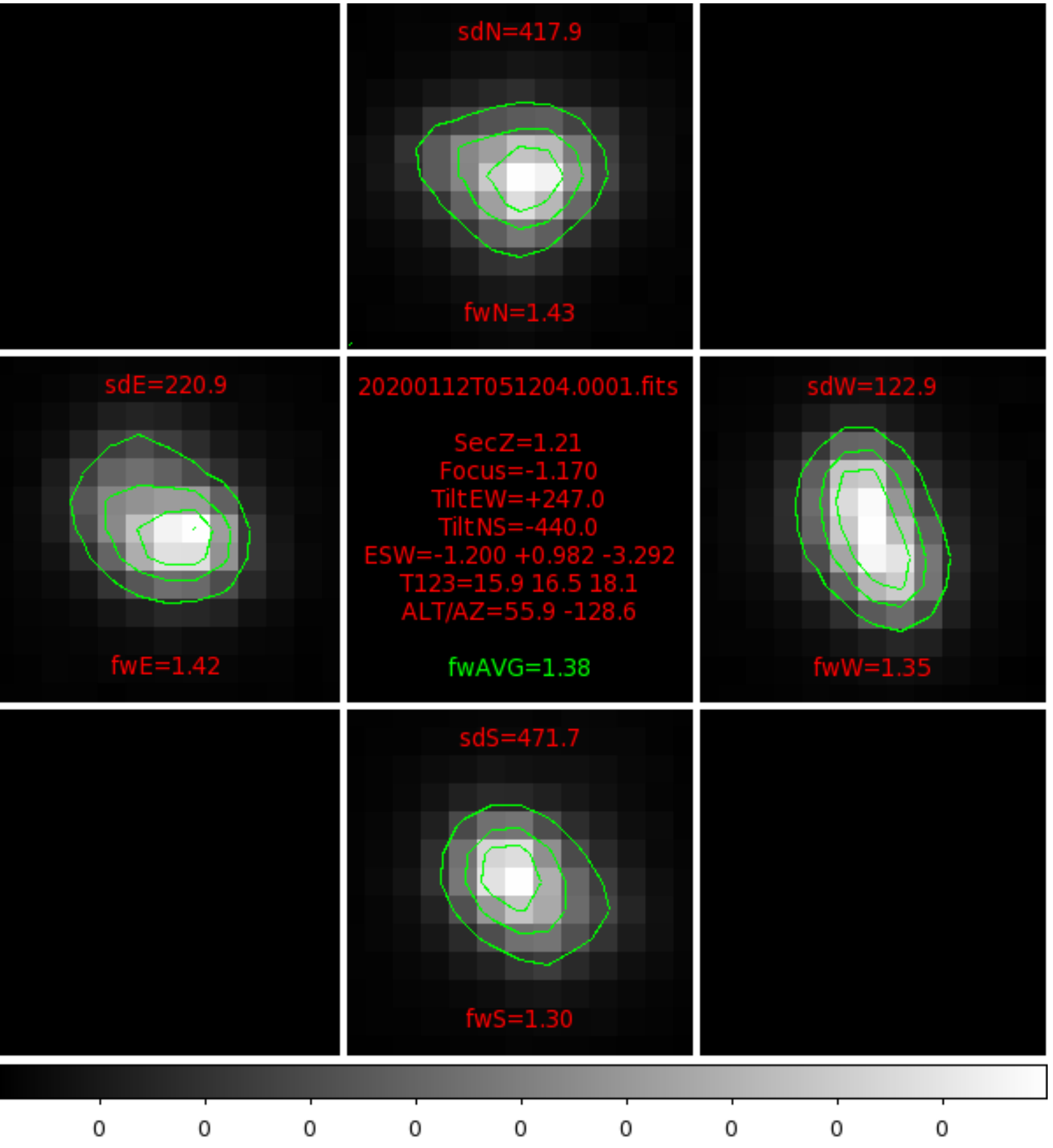

sdN=834.3
fwN=1.40
sdE=576.3
fwE=1.48
20200112T051057.0001.fits
SecZ=1.21
Focus=-1.170
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.200 +0.982 -3.292
T123=15.9 16.5 18.1
ALT/AZ=56.1 -128.9
fwAVG=1.40
sdW=329.2
fwW=1.41
sdS=944.2
fwS=1.30
0 0 0 0 0 0 0 0 0


sdN=417.9
fwN=1.43
sdE=220.9
fwE=1.42
20200112T051204.0001.fits
SecZ=1.21
Focus=-1.170
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.200 +0.982 -3.292
T123=15.9 16.5 18.1
ALT/AZ=55.9 -128.6
fwAVG=1.38
sdW=122.9
fwW=1.35
sdS=471.7
fwS=1.30
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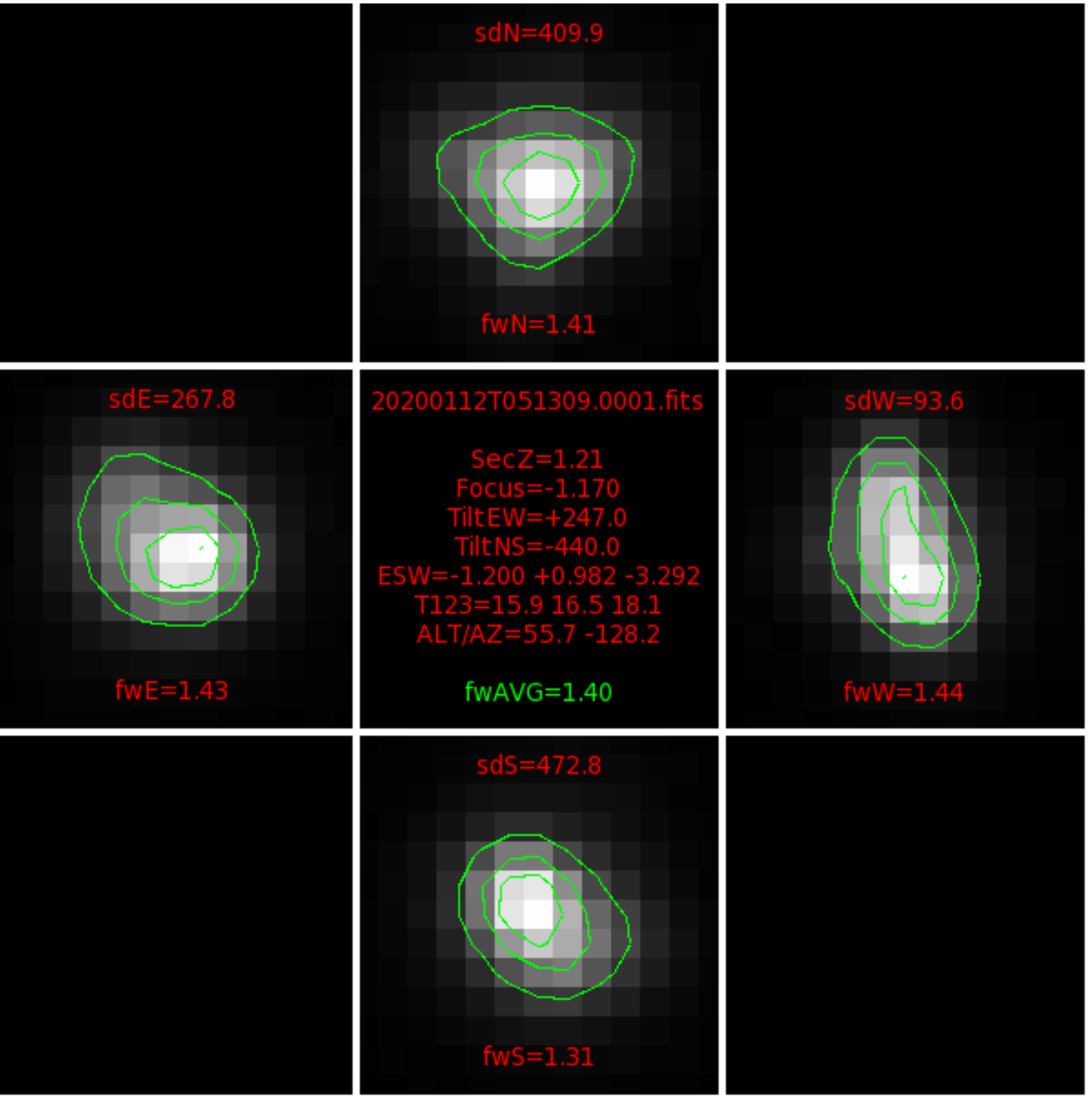
sdN=409.9
fwN=1.41
sdE=267.8
fwE=1.43
20200112T051309.0001.fits
SecZ=1.21
Focus=-1.170
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.200 +0.982 -3.292
T123=15.9 16.5 18.1
ALT/AZ=55.7 -128.2
fwAVG=1.40
sdW=93.6
fwW=1.44
sdS=472.8
fwS=1.31
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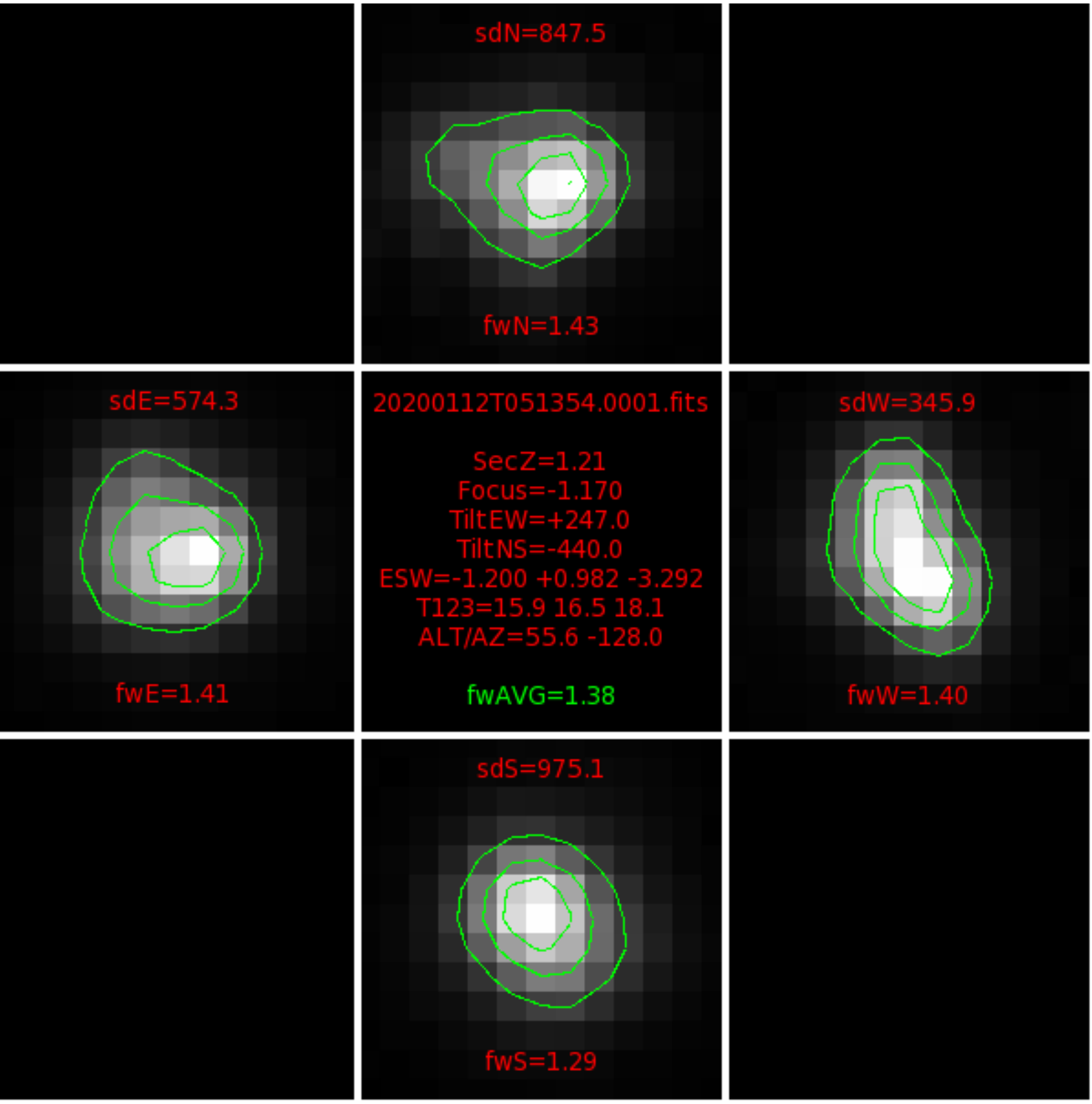
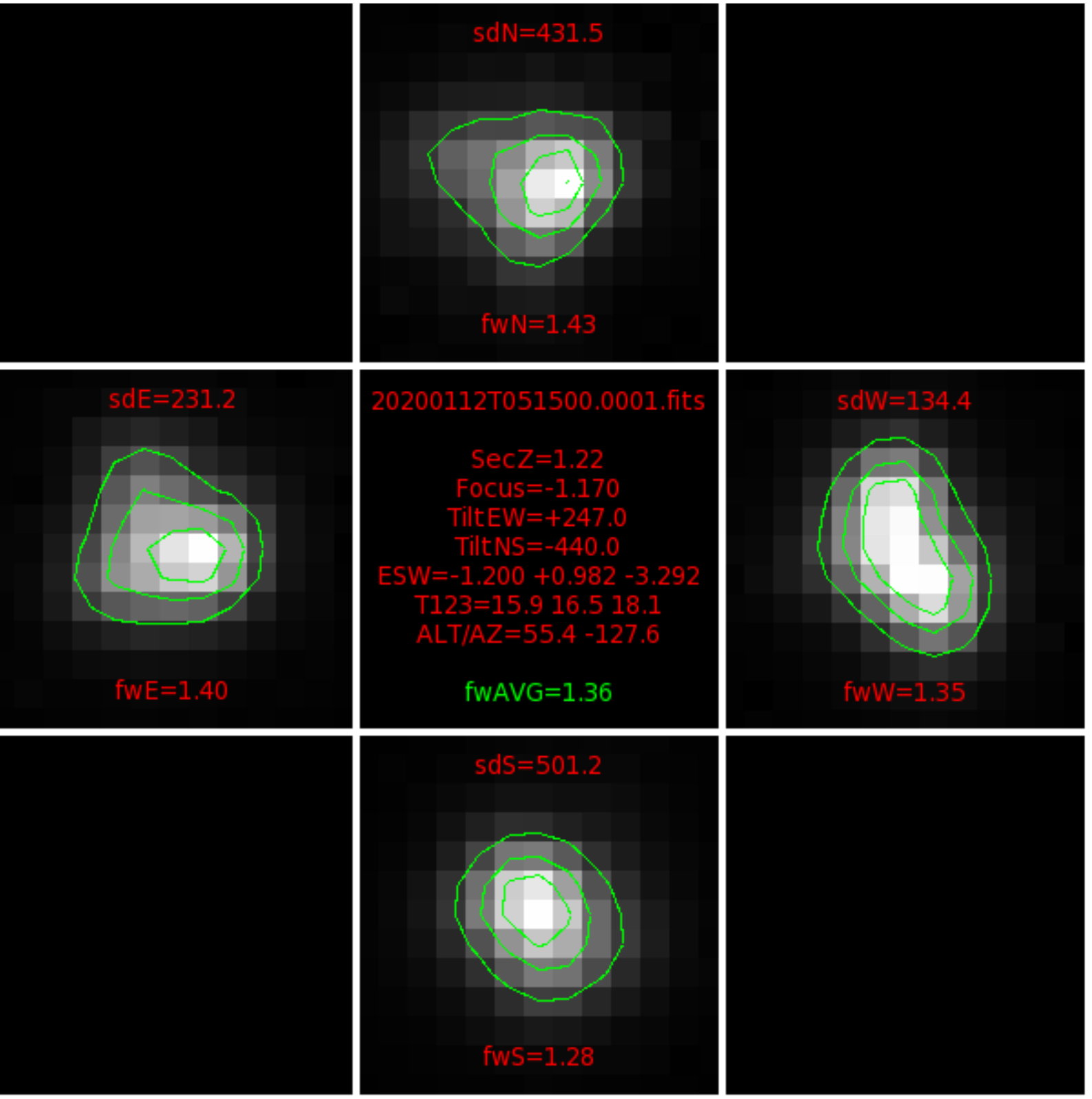
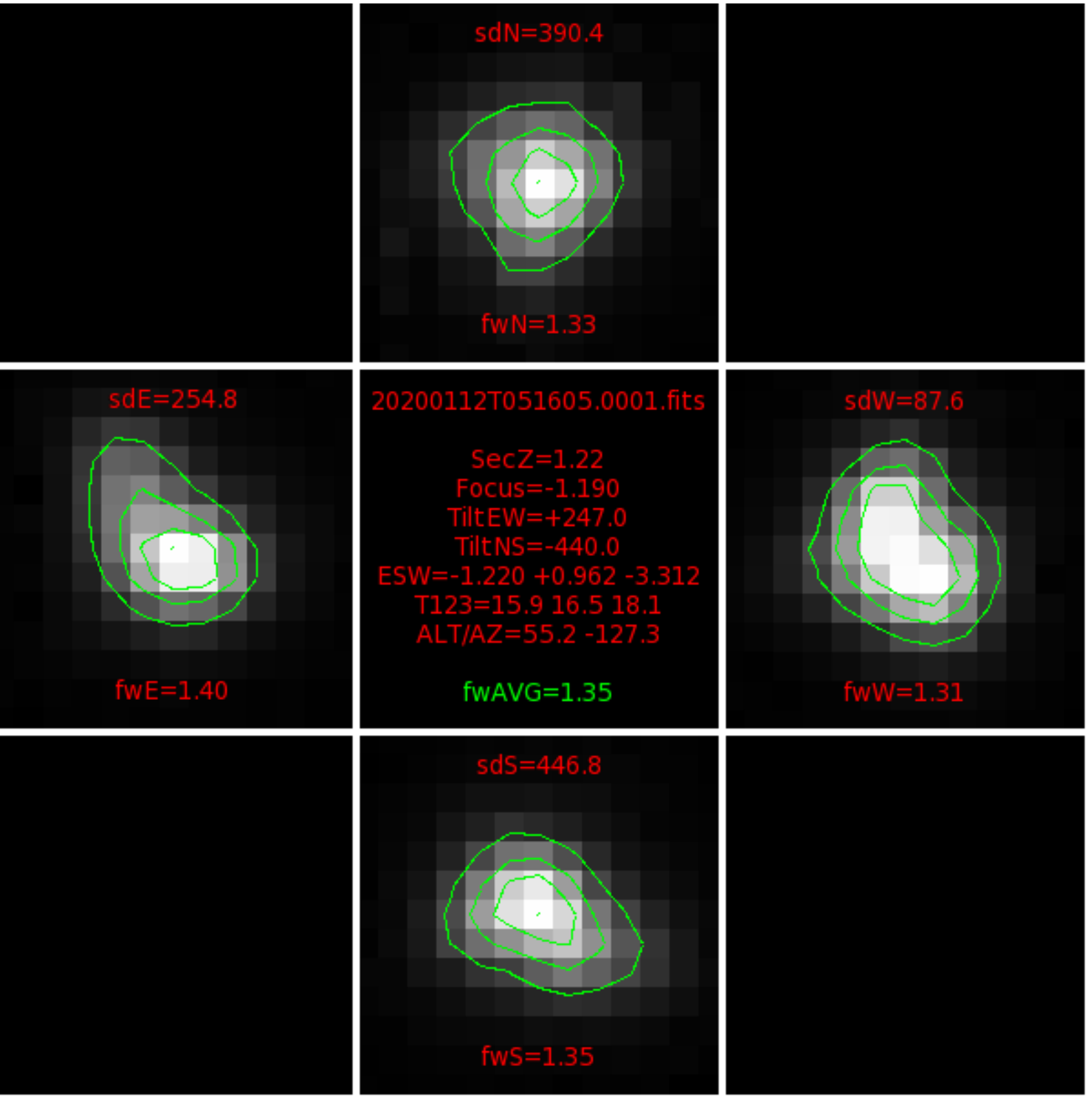

sdN=847.5
fwN=1.43
sdE=574.3
fwE=1.41
20200112T051354.0001.fits
SecZ=1.21
Focus=-1.170
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.200 +0.982 -3.292
T123=15.9 16.5 18.1
ALT/AZ=55.6 -128.0
fwAVG=1.38
sdW=345.9
fwW=1.40
sdS=975.1
fwS=1.29
0 0 0 0 0 0 0 0 0


sdN=431.5
fwN=1.43
sdE=231.2
fwE=1.40
20200112T051500.0001.fits
SecZ=1.22
Focus=-1.170
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.200 +0.982 -3.292
T123=15.9 16.5 18.1
ALT/AZ=55.4 -127.6
fwAVG=1.36
sdW=134.4
fwW=1.35
sdS=501.2
fwS=1.28
0 0 0 0 0 0 0 0 0


sdN=390.4
fwN=1.33
sdE=254.8
fwE=1.40
20200112T051605.0001.fits
SecZ=1.22
Focus=-1.190
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.220 +0.962 -3.312
T123=15.9 16.5 18.1
ALT/AZ=55.2 -127.3
fwAVG=1.35
sdW=87.6
fwW=1.31
sdS=446.8
fwS=1.35
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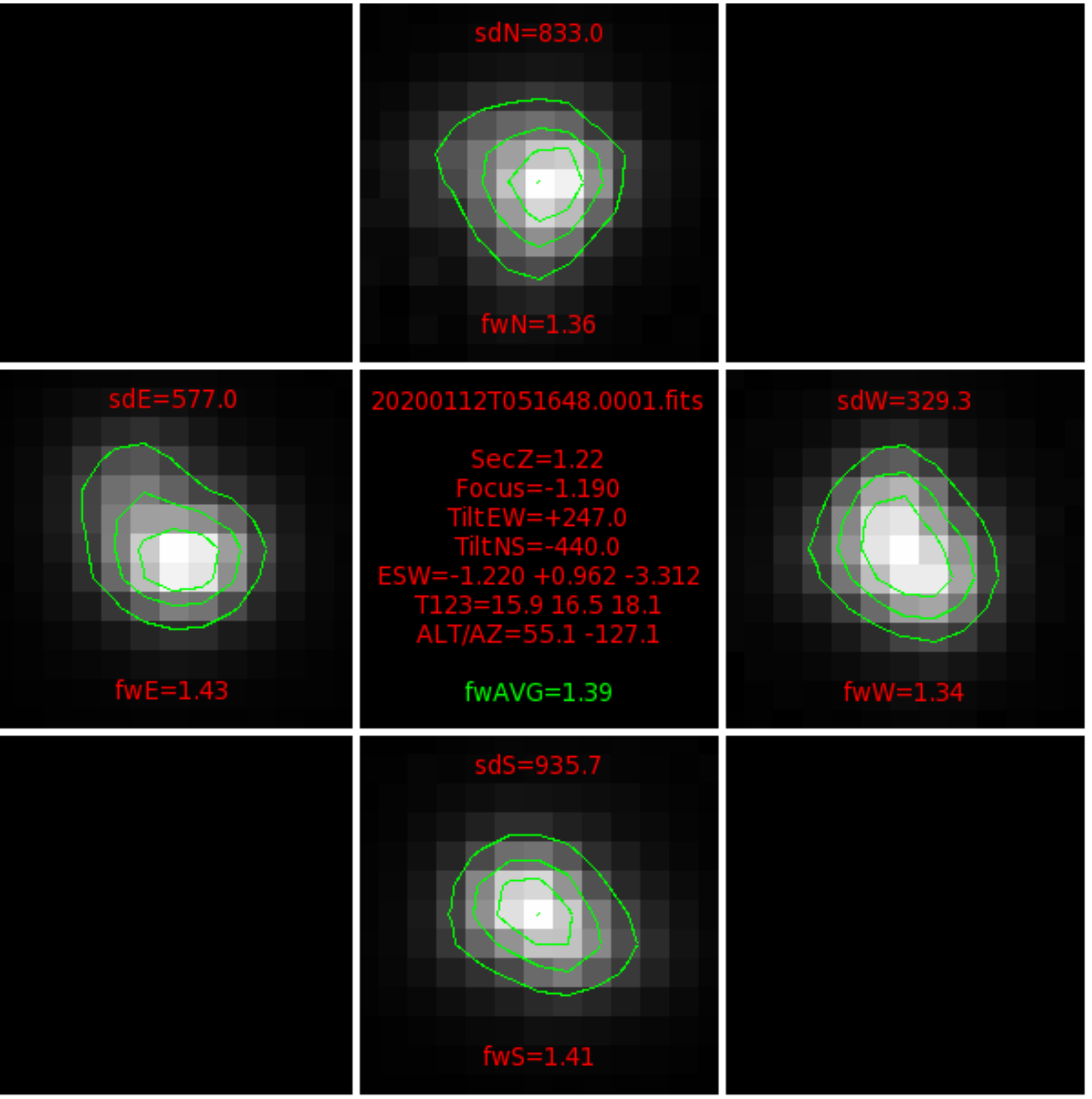
sdN=833.0
fwN=1.36
sdE=577.0
fwE=1.43
20200112T051648.0001.fits
SecZ=1.22
Focus=-1.190
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.220 +0.962 -3.312
T123=15.9 16.5 18.1
ALT/AZ=55.1 -127.1
fwAVG=1.39
sdW=329.3
fwW=1.34
sdS=935.7
fwS=1.41
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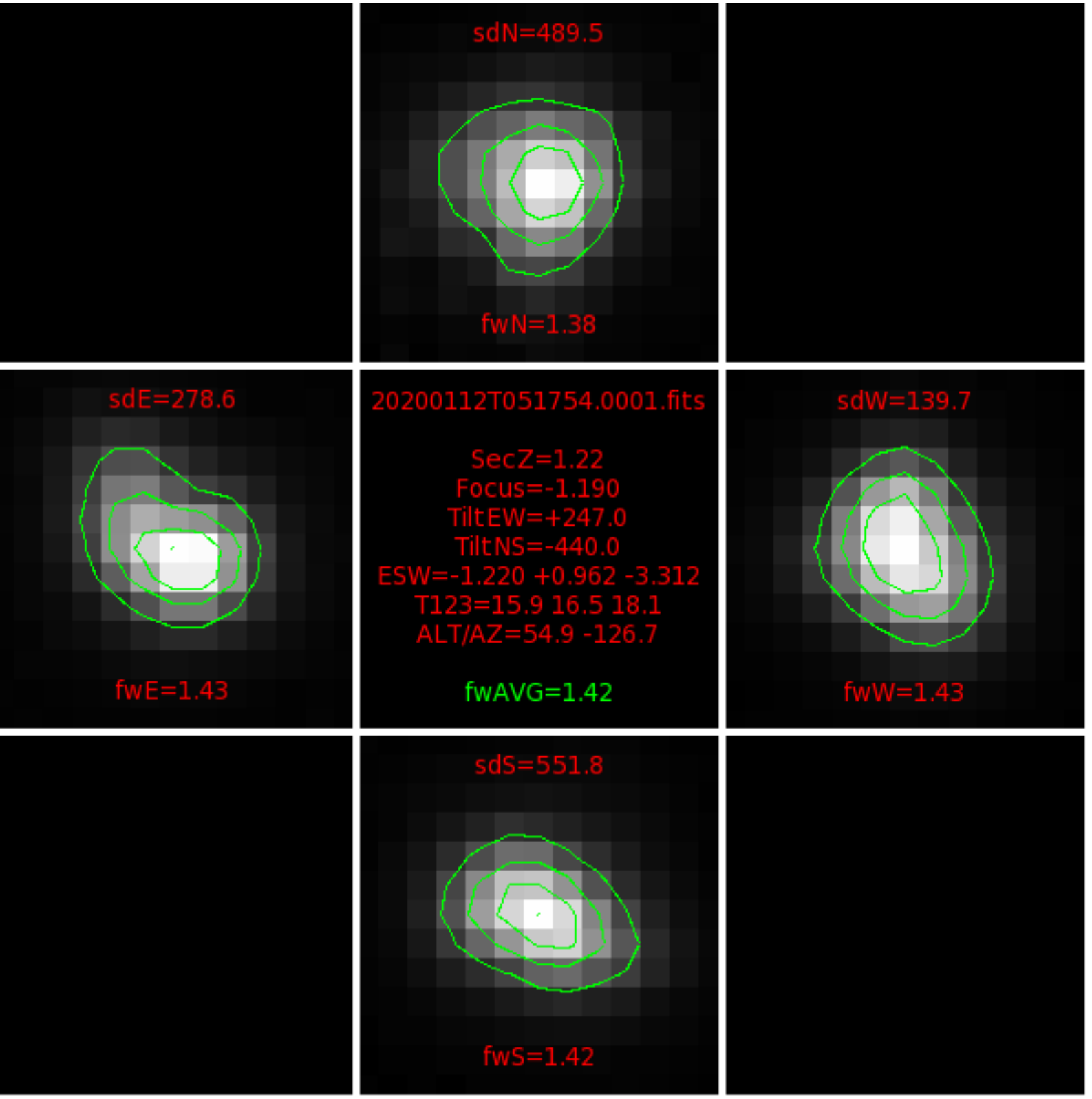
sdN=489.5
fwN=1.38
sdE=278.6
fwE=1.43
20200112T051754.0001.fits
SecZ=1.22
Focus=-1.190
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.220 +0.962 -3.312
T123=15.9 16.5 18.1
ALT/AZ=54.9 -126.7
fwAVG=1.42
sdW=139.7
fwW=1.43
sdS=551.8
fwS=1.42
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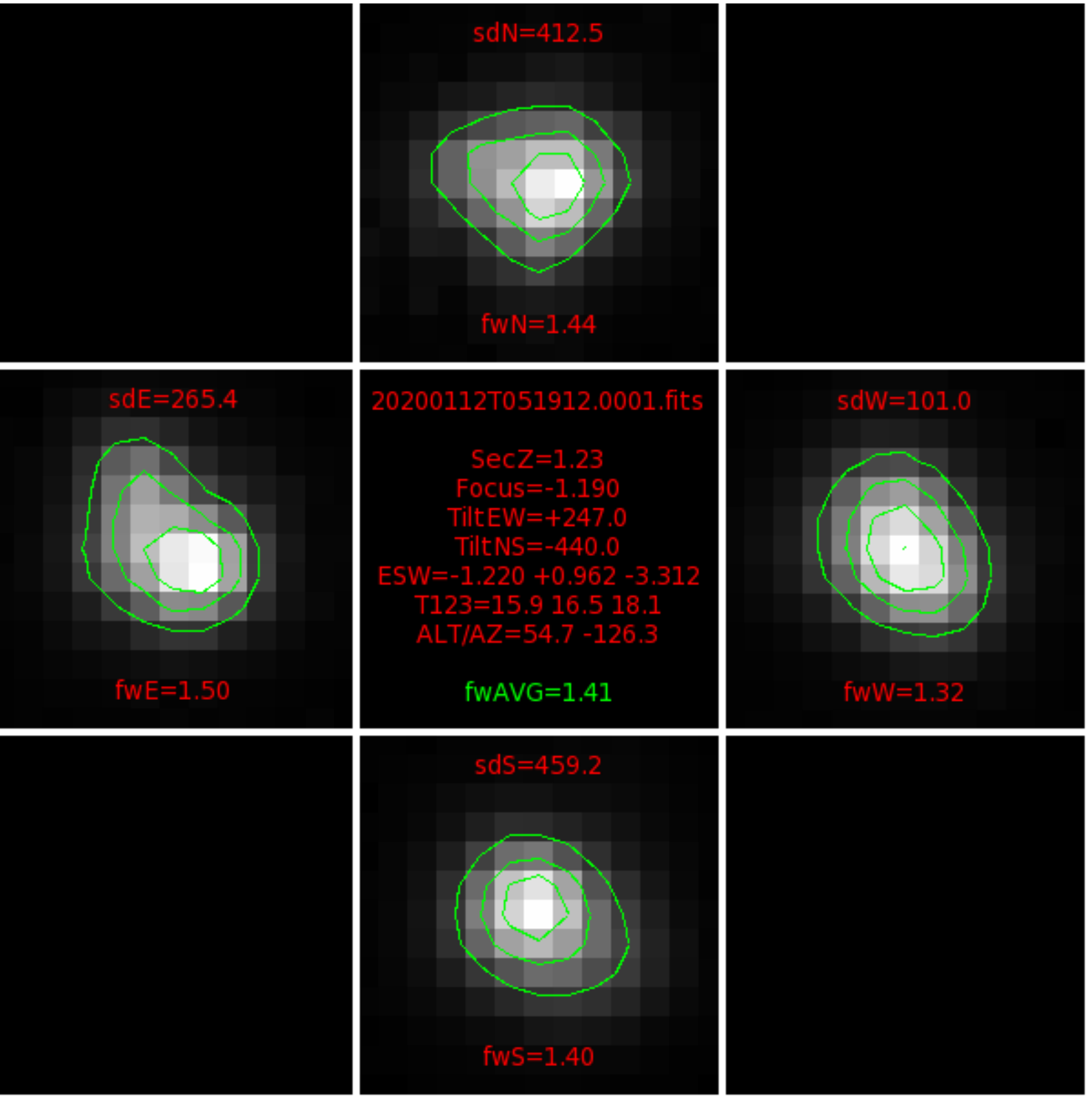
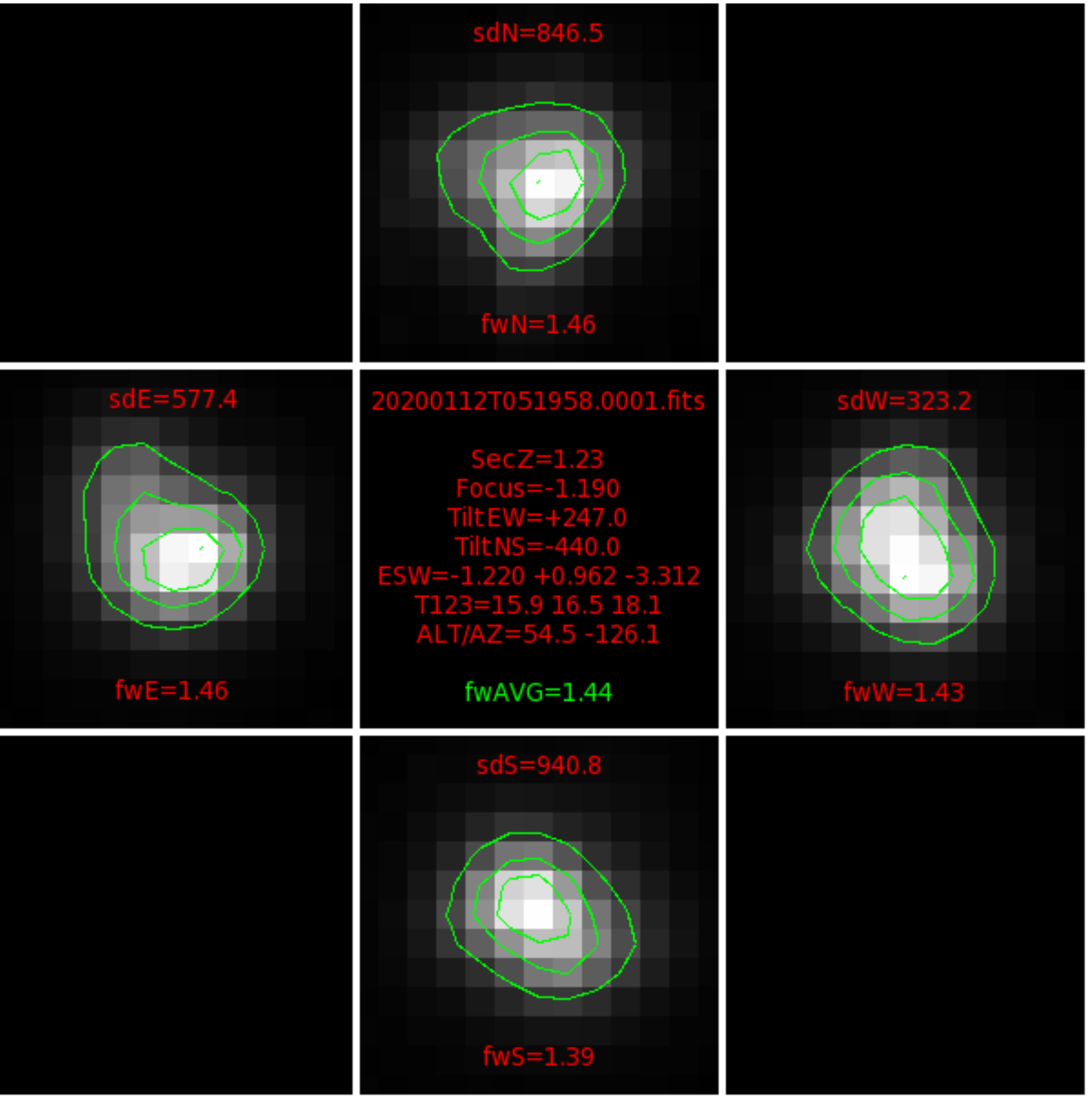

sdN=412.5
fwN=1.44
sdE=265.4
fwE=1.50
20200112T051912.0001.fits
SecZ=1.23
Focus=-1.190
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.220 +0.962 -3.312
T123=15.9 16.5 18.1
ALT/AZ=54.7 -126.3
fwAVG=1.41
sdW=101.0
fwW=1.32
sdS=459.2
fwS=1.40
0 0 0 0 0 0 0 0 0


sdN=846.5
fwN=1.46
sdE=577.4
fwE=1.46
20200112T051958.0001.fits
SecZ=1.23
Focus=-1.190
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.220 +0.962 -3.312
T123=15.9 16.5 18.1
ALT/AZ=54.5 -126.1
fwAVG=1.44
sdW=323.2
fwW=1.43
sdS=940.8
fwS=1.39
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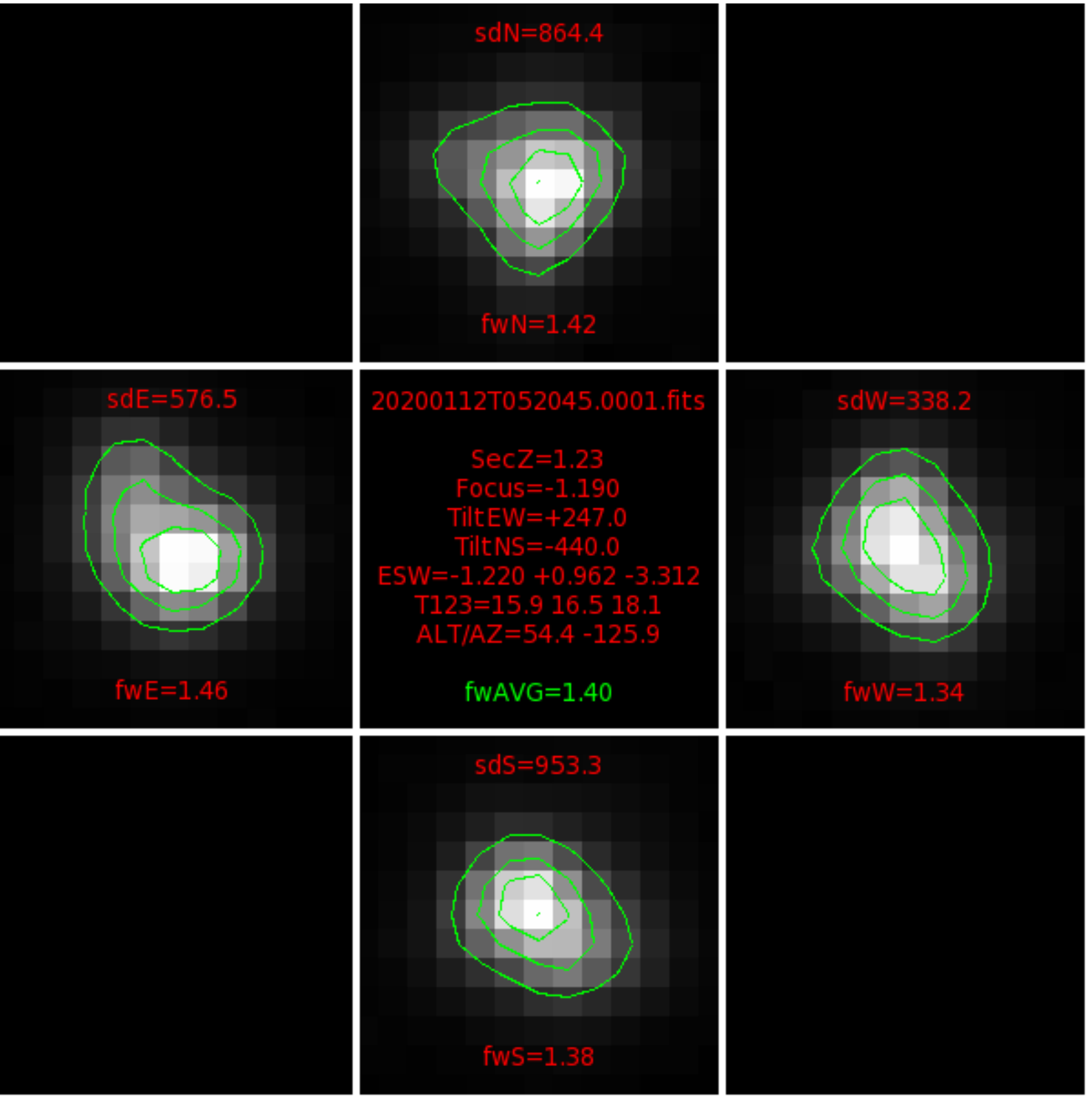
sdN=864.4
fwN=1.42
sdE=576.5
fwE=1.46
20200112T052045.0001.fits
SecZ=1.23
Focus=-1.190
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.220 +0.962 -3.312
T123=15.9 16.5 18.1
ALT/AZ=54.4 -125.9
fwAVG=1.40
sdW=338.2
fwW=1.34
sdS=953.3
fwS=1.38
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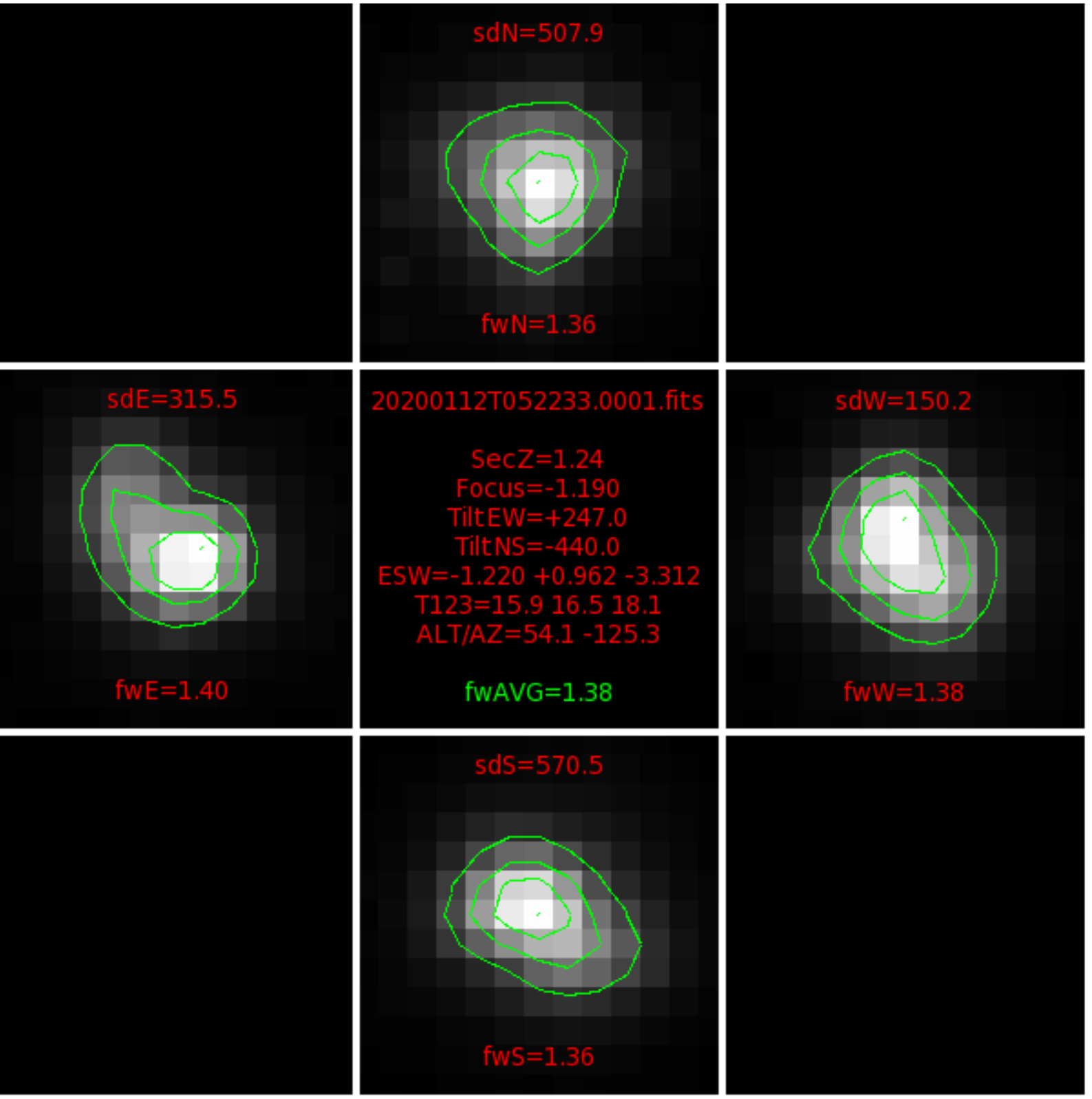
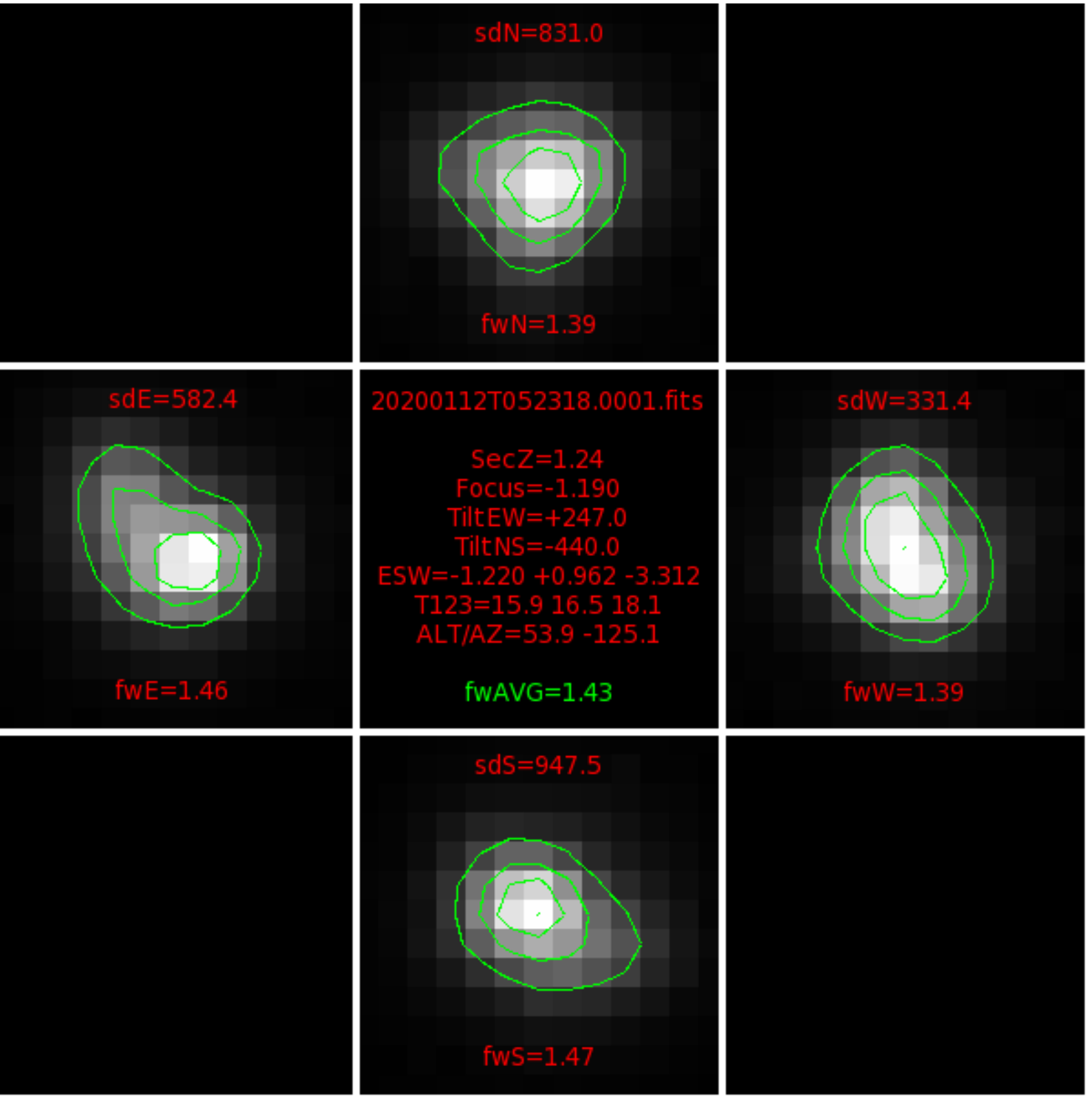
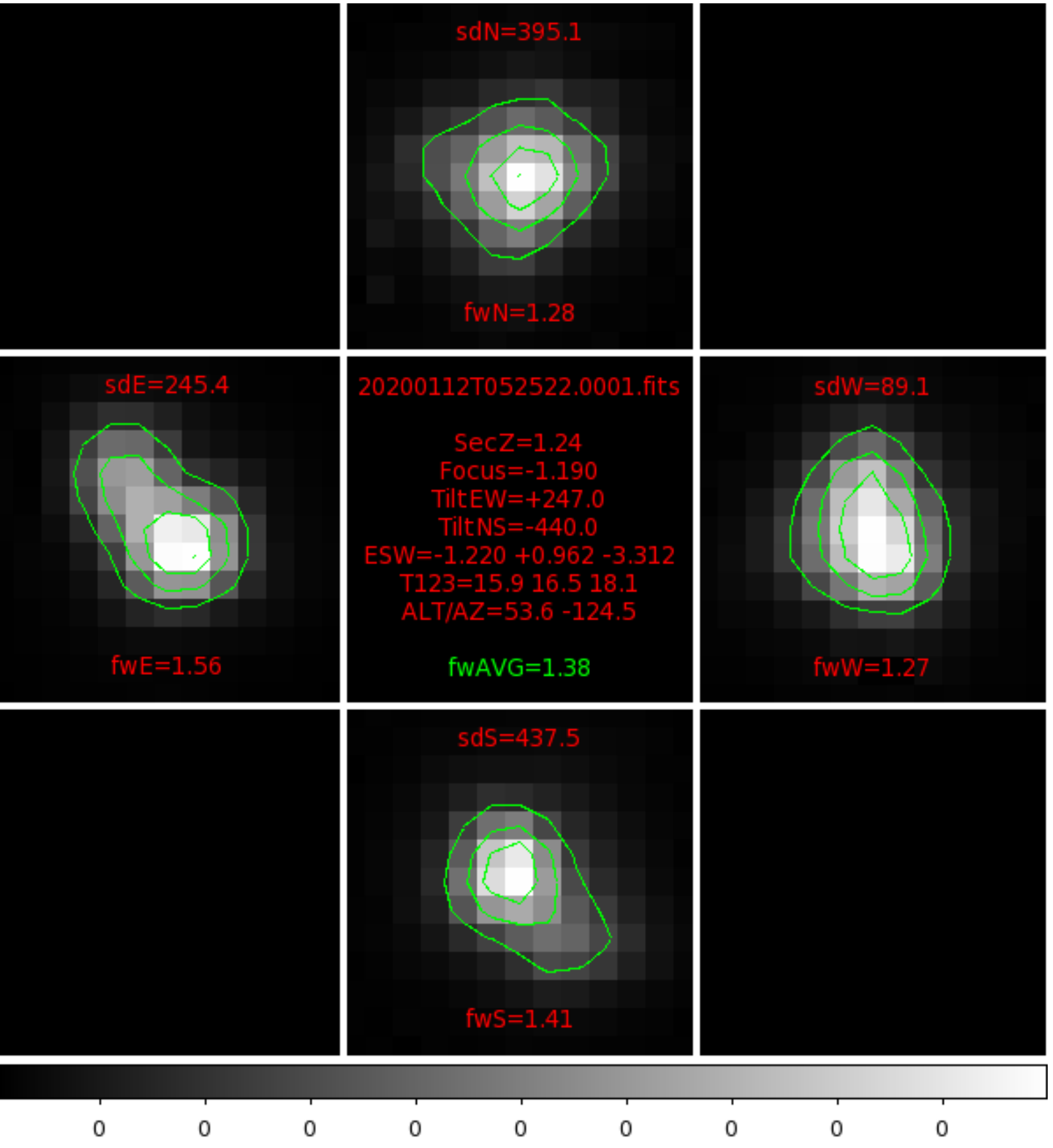

sdN=507.9
fwN=1.36
sdE=315.5
fwE=1.40
20200112T052233.0001.fits
SecZ=1.24
Focus=-1.190
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.220 +0.962 -3.312
T123=15.9 16.5 18.1
ALT/AZ=54.1 -125.3
fwAVG=1.38
sdW=150.2
fwW=1.38
sdS=570.5
fwS=1.36
0 0 0 0 0 0 0 0 0


sdN=831.0
fwN=1.39
sdE=582.4
fwE=1.46
20200112T052318.0001.fits
SecZ=1.24
Focus=-1.190
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.220 +0.962 -3.312
T123=15.9 16.5 18.1
ALT/AZ=53.9 -125.1
fwAVG=1.43
sdW=331.4
fwW=1.39
sdS=947.5
fwS=1.47
0 0 0 0 0 0 0 0 0


sdN=395.1
fwN=1.28
sdE=245.4
fwE=1.56
20200112T052522.0001.fits
SecZ=1.24
Focus=-1.190
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.220 +0.962 -3.312
T123=15.9 16.5 18.1
ALT/AZ=53.6 -124.5
fwAVG=1.38
sdW=89.1
fwW=1.27
sdS=437.5
fwS=1.41
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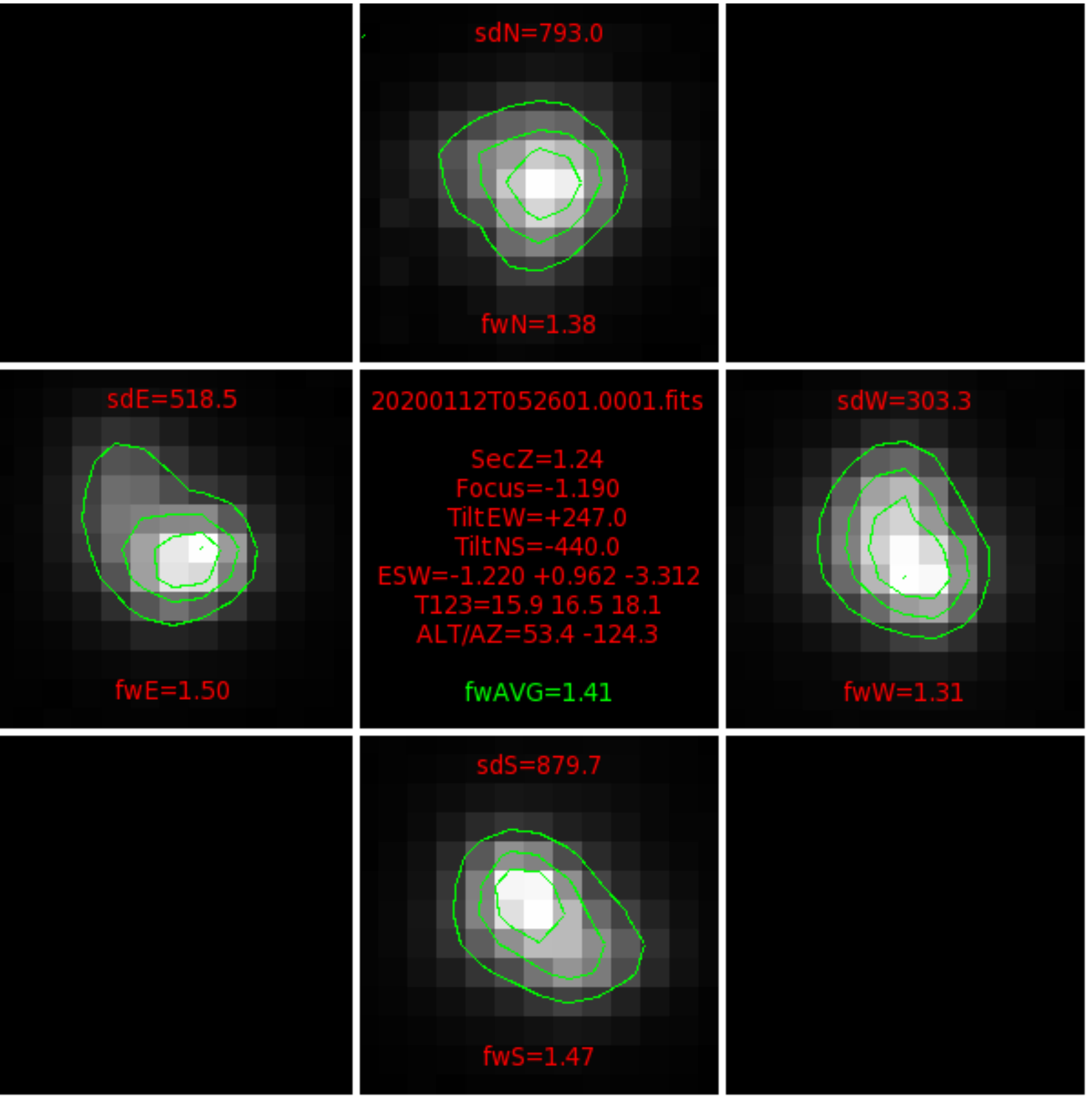
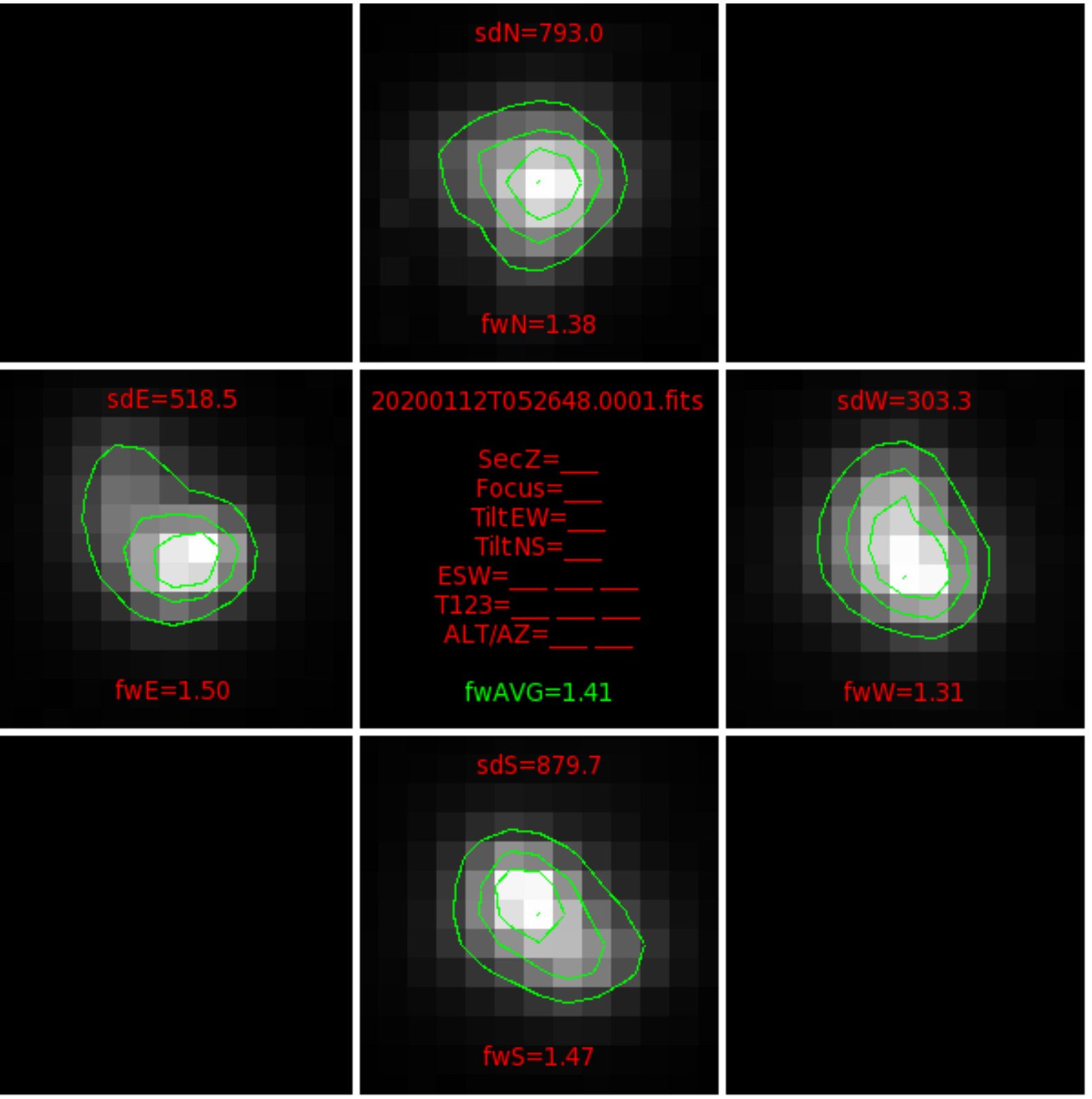
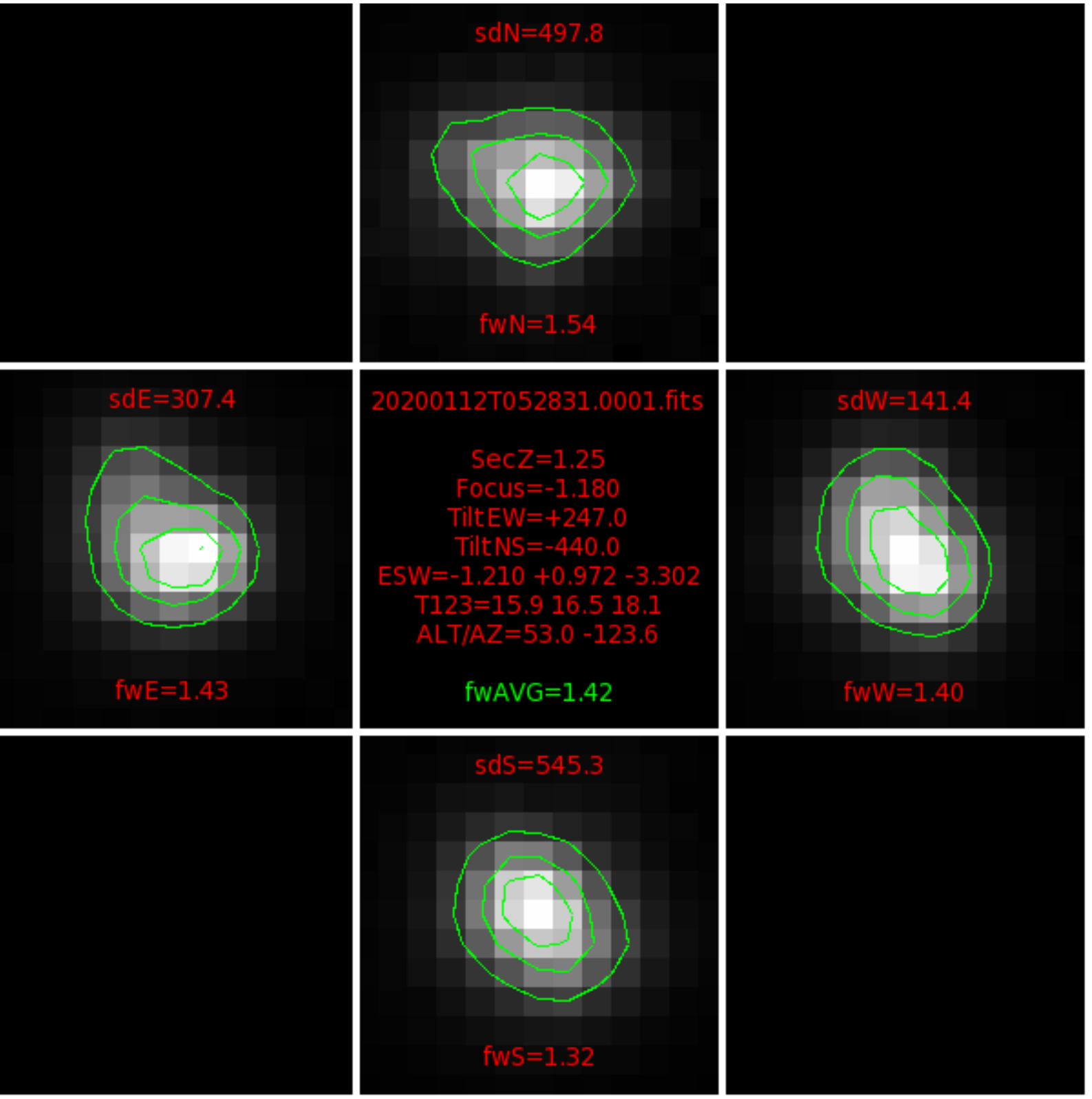
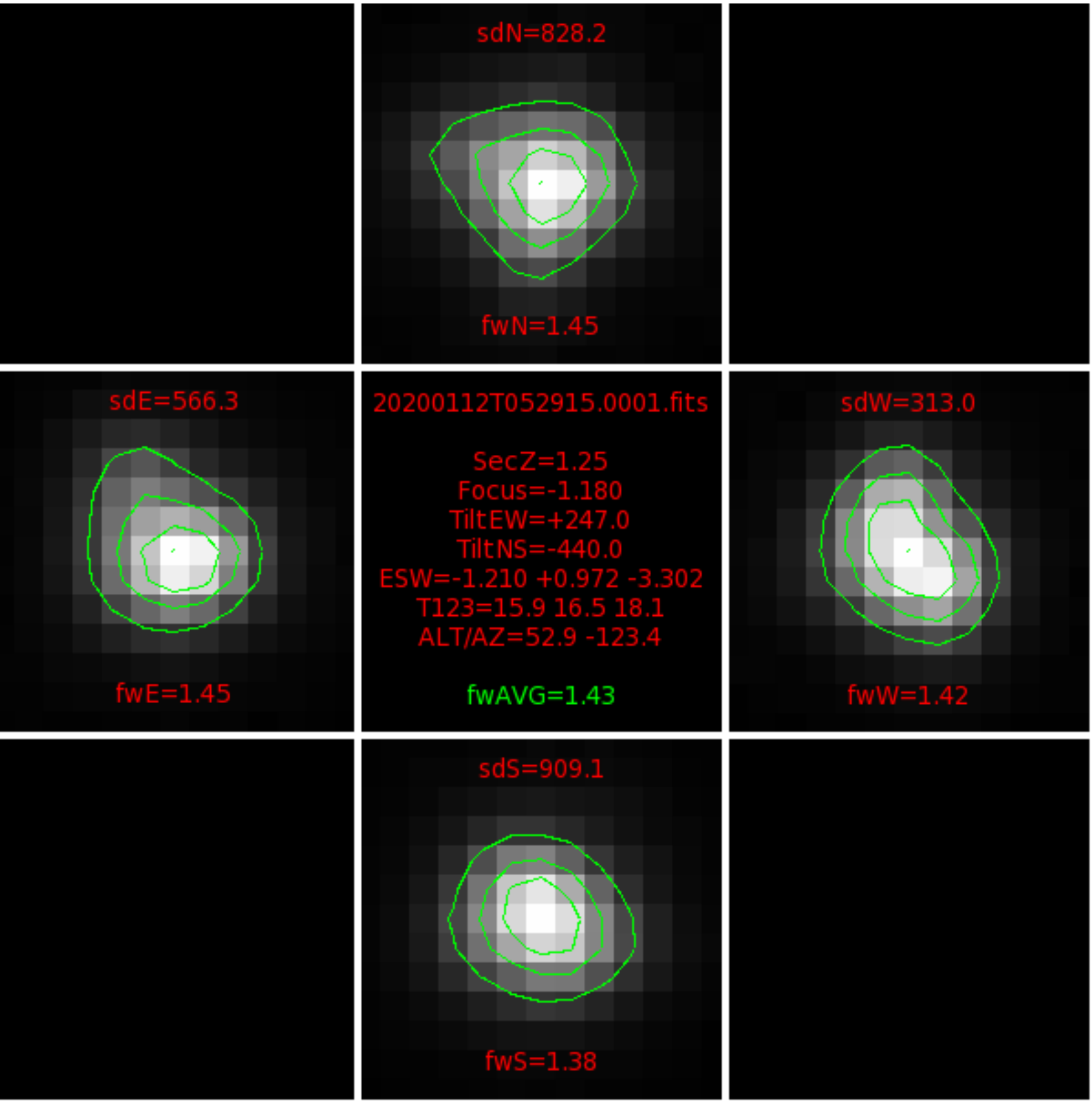
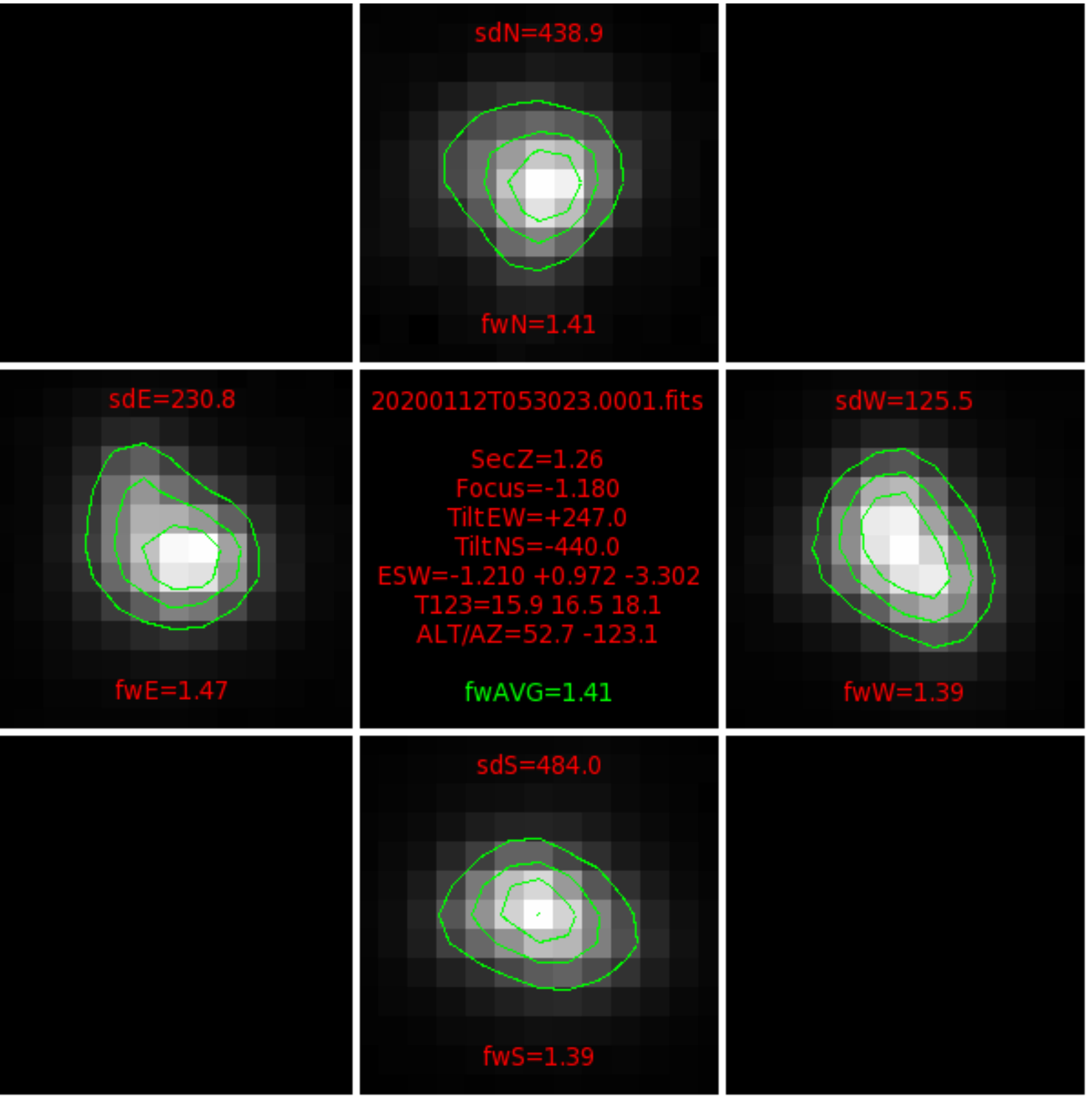
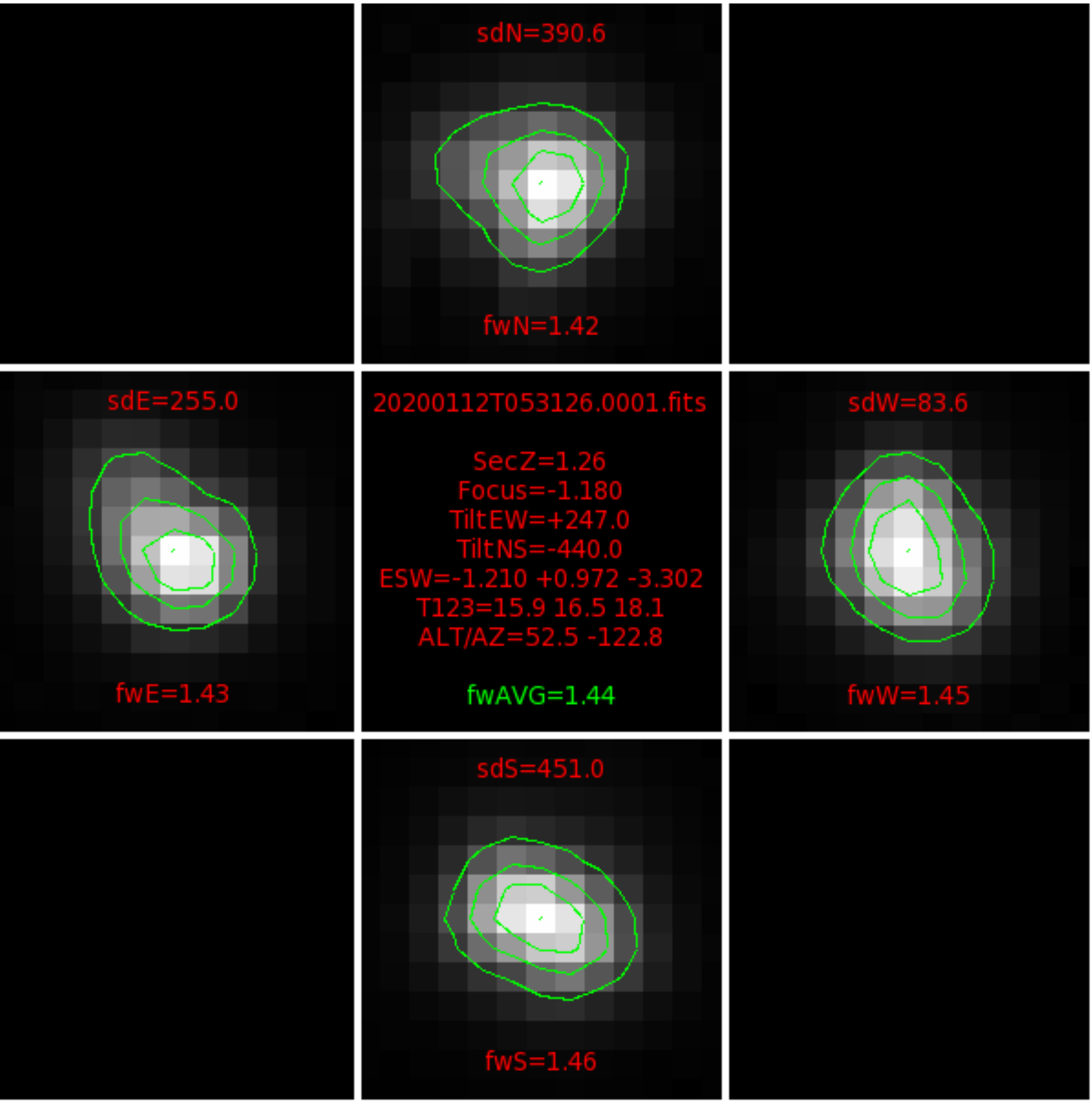

sdN=793.0
fwN=1.38
sdE=518.5
fwE=1.50
20200112T052601.0001.fits
SecZ=1.24
Focus=-1.190
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.220 +0.962 -3.312
T123=15.9 16.5 18.1
ALT/AZ=53.4 -124.3
fwAVG=1.41
sdW=303.3
fwW=1.31
sdS=879.7
fwS=1.47
0 0 0 0 0 0 0 0 0

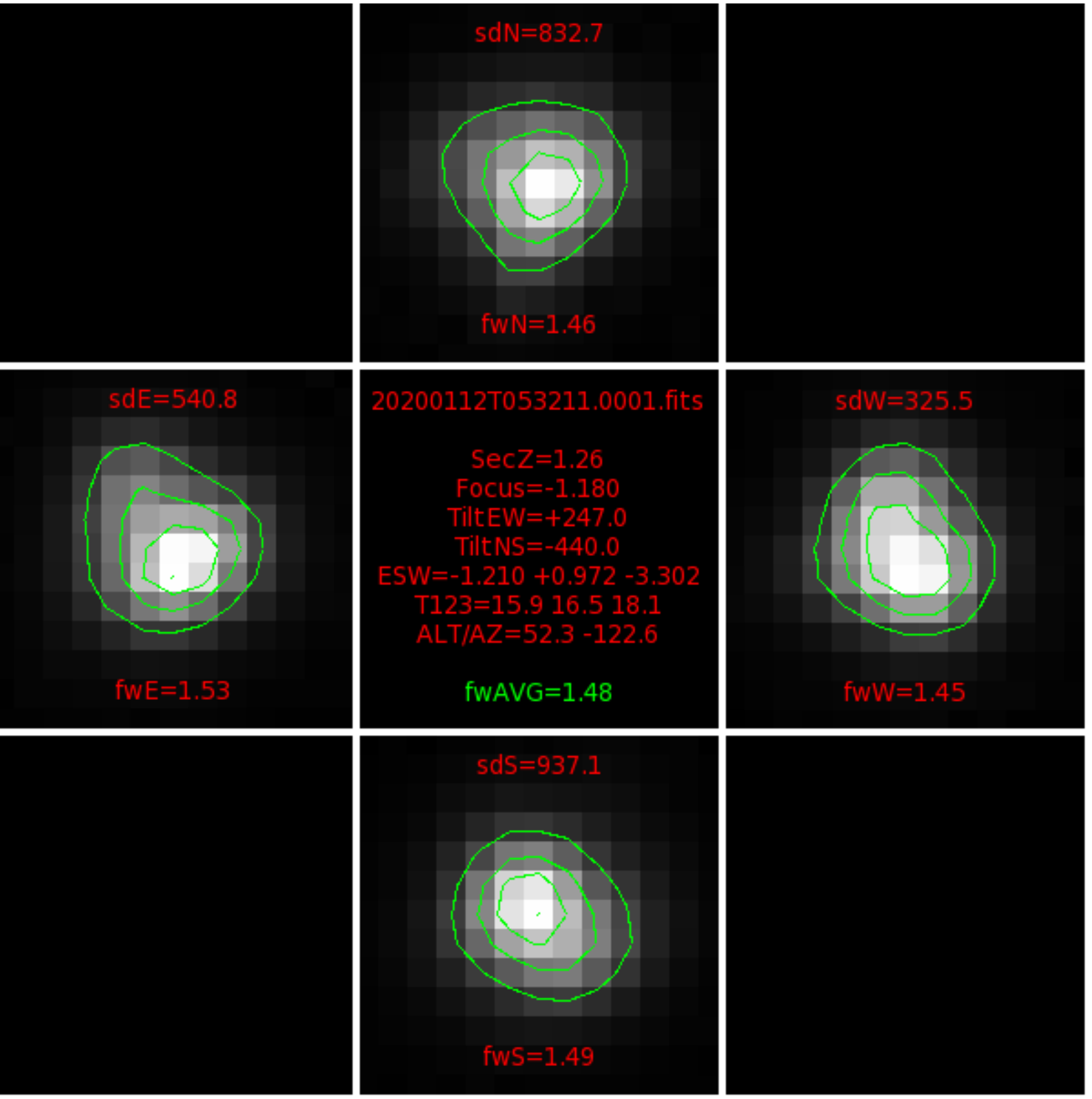

sdN=793.0
fwN=1.38
sdE=518.5
fwE=1.50
20200112T052648.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.41
sdW=303.3
fwW=1.31
sdS=879.7
fwS=1.47
0 0 0 0 0 0 0 0 0


sdN=497.8
fwN=1.54
sdE=307.4
fwE=1.43
20200112T052831.0001.fits
SecZ=1.25
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.5 18.1
ALT/AZ=53.0 -123.6
fwAVG=1.42
sdW=141.4
fwW=1.40
sdS=545.3
fwS=1.32
0 0 0 0 0 0 0 0 0


sdN=828.2
fwN=1.45
sdE=566.3
fwE=1.45
20200112T052915.0001.fits
SecZ=1.25
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.5 18.1
ALT/AZ=52.9 -123.4
fwAVG=1.43
sdW=313.0
fwW=1.42
sdS=909.1
fwS=1.38
0 0 0 0 0 0 0 0 0


sdN=438.9
fwN=1.41
sdE=230.8
fwE=1.47
20200112T053023.0001.fits
SecZ=1.26
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.5 18.1
ALT/AZ=52.7 -123.1
fwAVG=1.41
sdW=125.5
fwW=1.39
sdS=484.0
fwS=1.39
0 0 0 0 0 0 0 0 0


sdN=390.6
fwN=1.42
sdE=255.0
fwE=1.43
20200112T053126.0001.fits
SecZ=1.26
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.5 18.1
ALT/AZ=52.5 -122.8
fwAVG=1.44
sdW=83.6
fwW=1.45
sdS=451.0
fwS=1.46
0 0 0 0 0 0 0 0 0


sdN=832.7
fwN=1.46
sdE=540.8
fwE=1.53
20200112T053211.0001.fits
SecZ=1.26
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.5 18.1
ALT/AZ=52.3 -122.6
fwAVG=1.48
sdW=325.5
fwW=1.45
sdS=937.1
fwS=1.49
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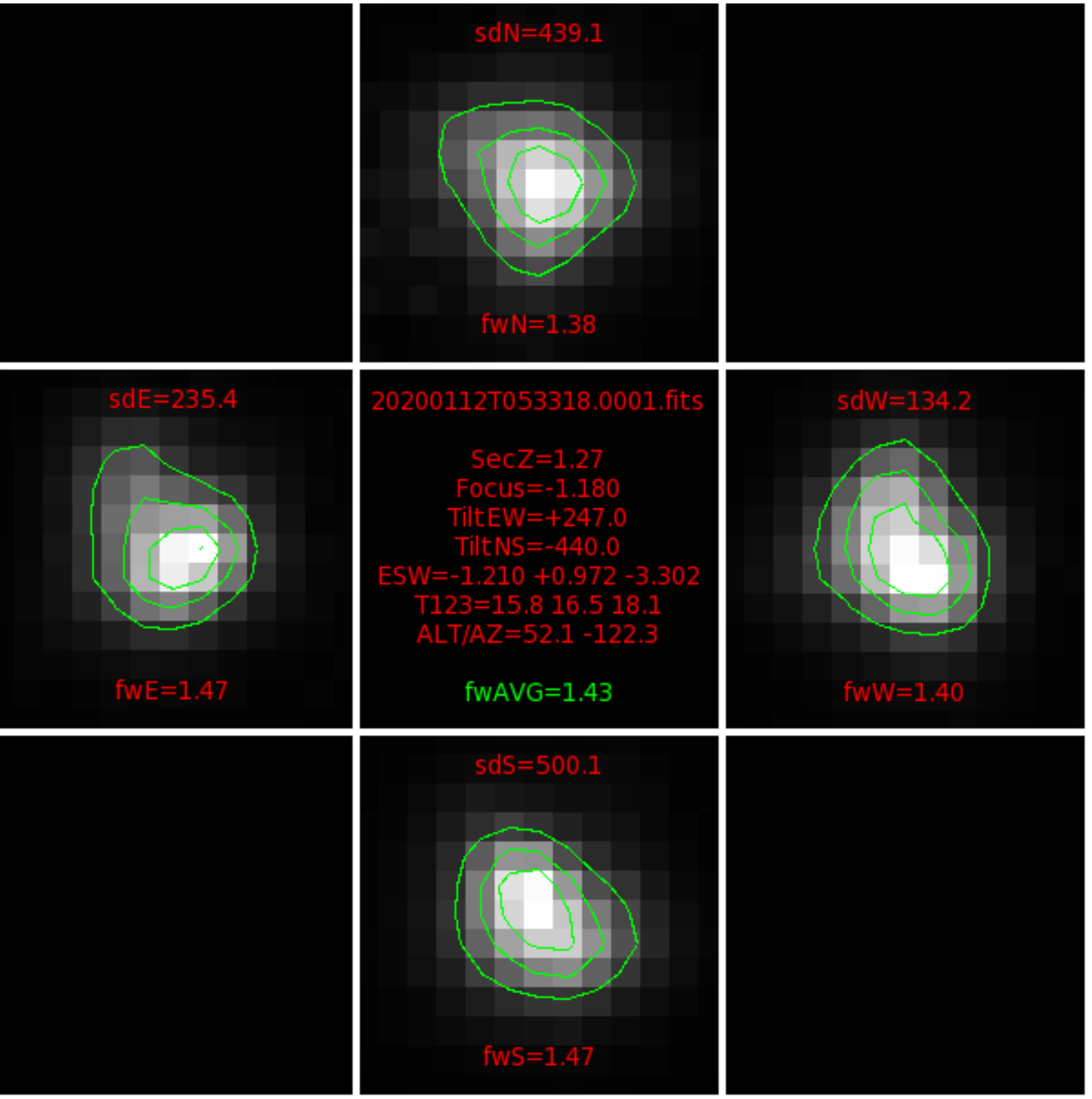
sdN=439.1
fwN=1.38
sdE=235.4
fwE=1.47
20200112T053318.0001.fits
SecZ=1.27
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.8 16.5 18.1
ALT/AZ=52.1 -122.3
fwAVG=1.43
sdW=134.2
fwW=1.40
sdS=500.1
fwS=1.47
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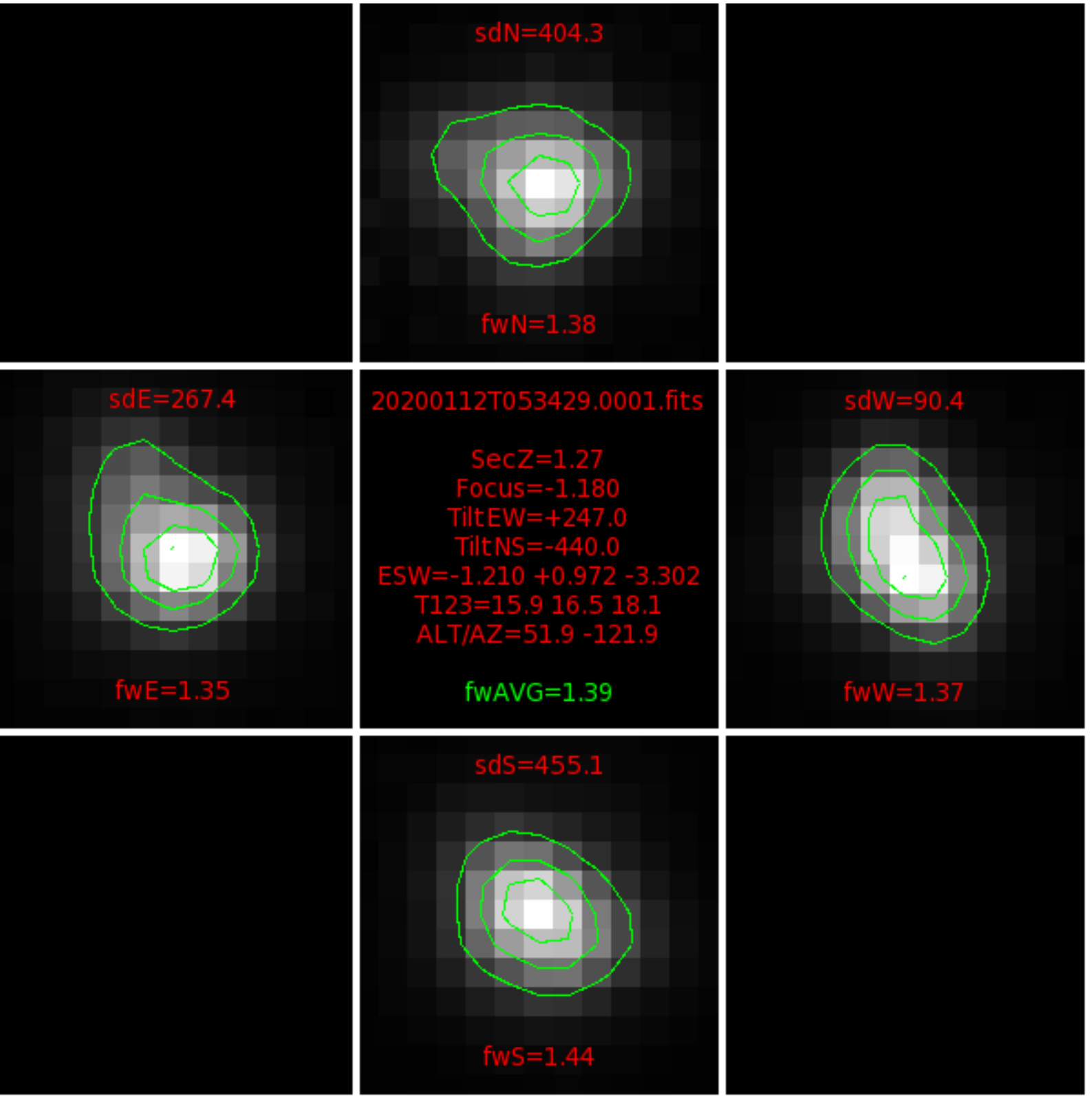
sdN=404.3
fwN=1.38
sdE=267.4
fwE=1.35
20200112T053429.0001.fits
SecZ=1.27
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.5 18.1
ALT/AZ=51.9 -121.9
fwAVG=1.39
sdW=90.4
fwW=1.37
sdS=455.1
fwS=1.44
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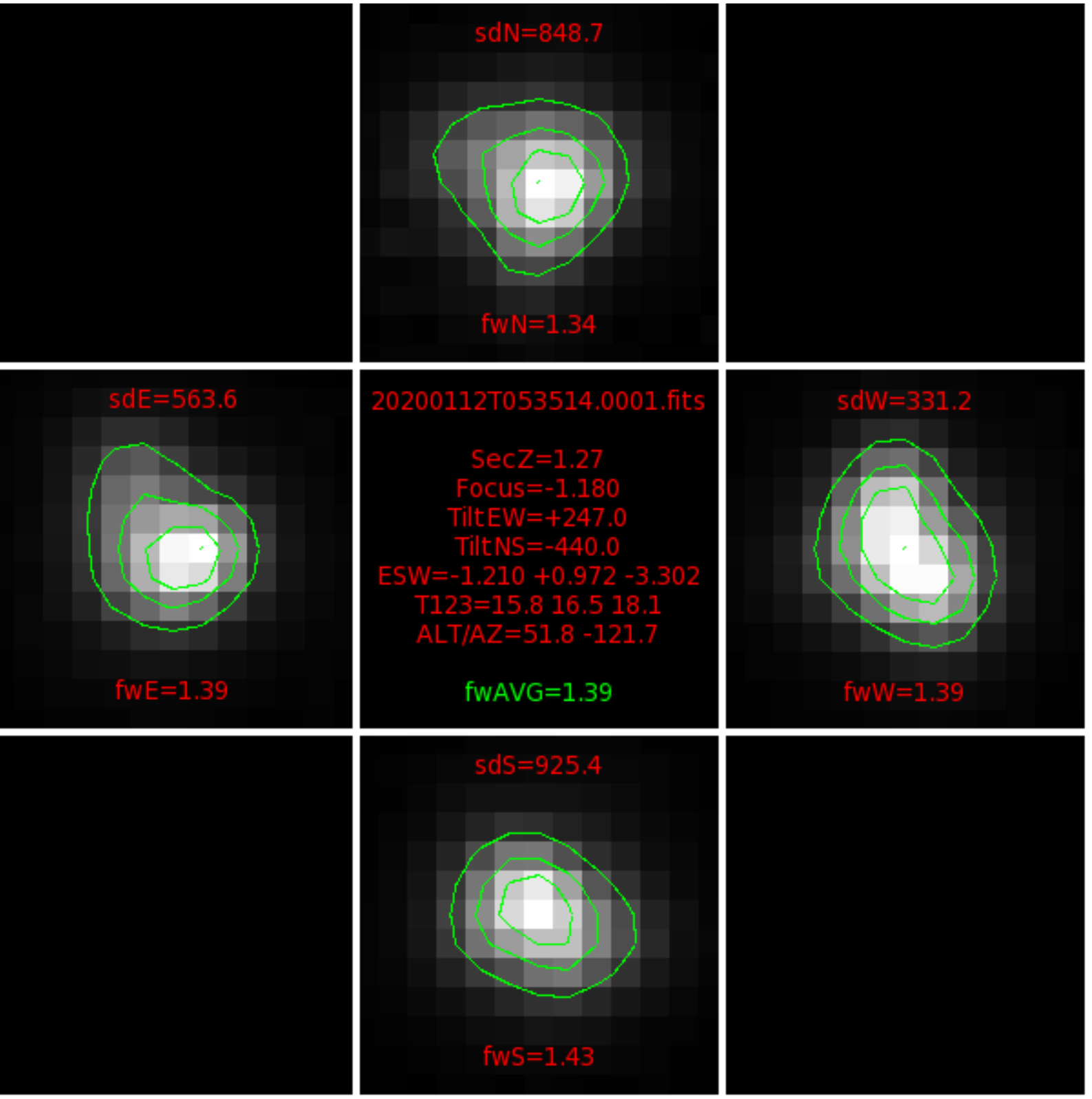
sdN=848.7
fwN=1.34
sdE=563.6
fwE=1.39
20200112T053514.0001.fits
SecZ=1.27
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.8 16.5 18.1
ALT/AZ=51.8 -121.7
fwAVG=1.39
sdW=331.2
fwW=1.39
sdS=925.4
fwS=1.43
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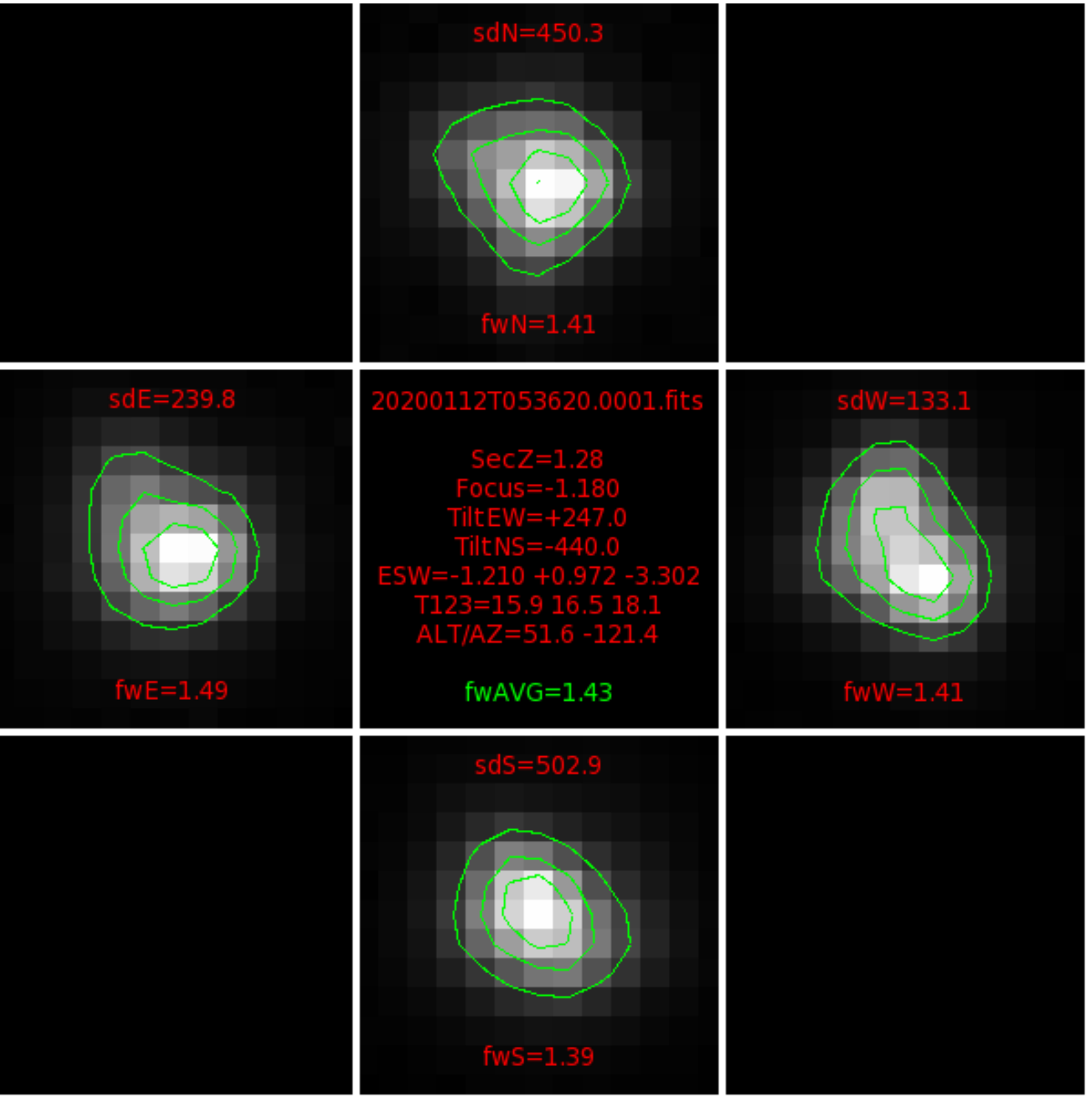
sdN=450.3
fwN=1.41
sdE=239.8
fwE=1.49
20200112T053620.0001.fits
SecZ=1.28
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.5 18.1
ALT/AZ=51.6 -121.4
fwAVG=1.43
sdW=133.1
fwW=1.41
sdS=502.9
fwS=1.39
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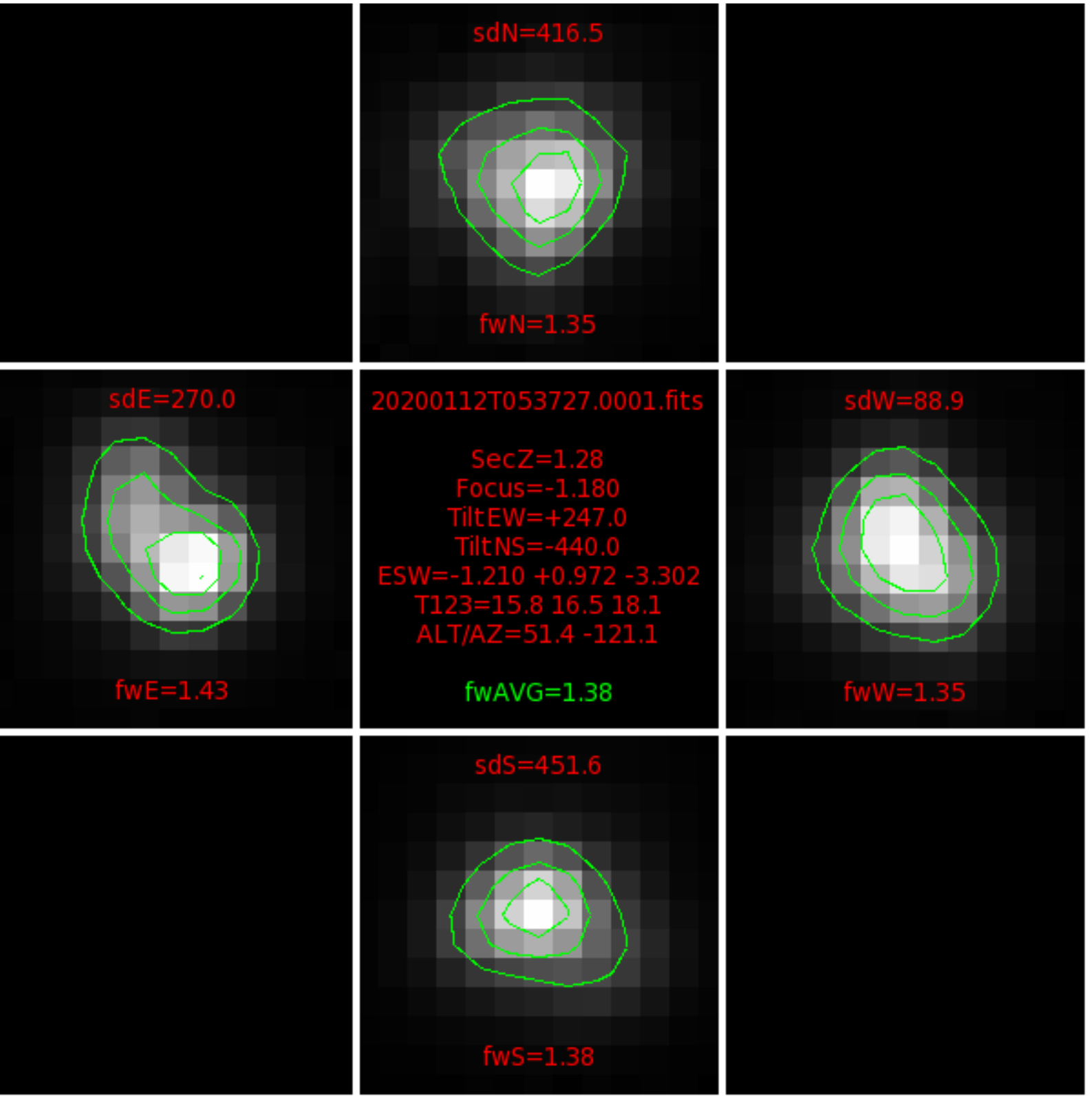
sdN=416.5
fwN=1.35
sdE=270.0
fwE=1.43
20200112T053727.0001.fits
SecZ=1.28
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.8 16.5 18.1
ALT/AZ=51.4 -121.1
fwAVG=1.38
sdW=88.9
fwW=1.35
sdS=451.6
fwS=1.38
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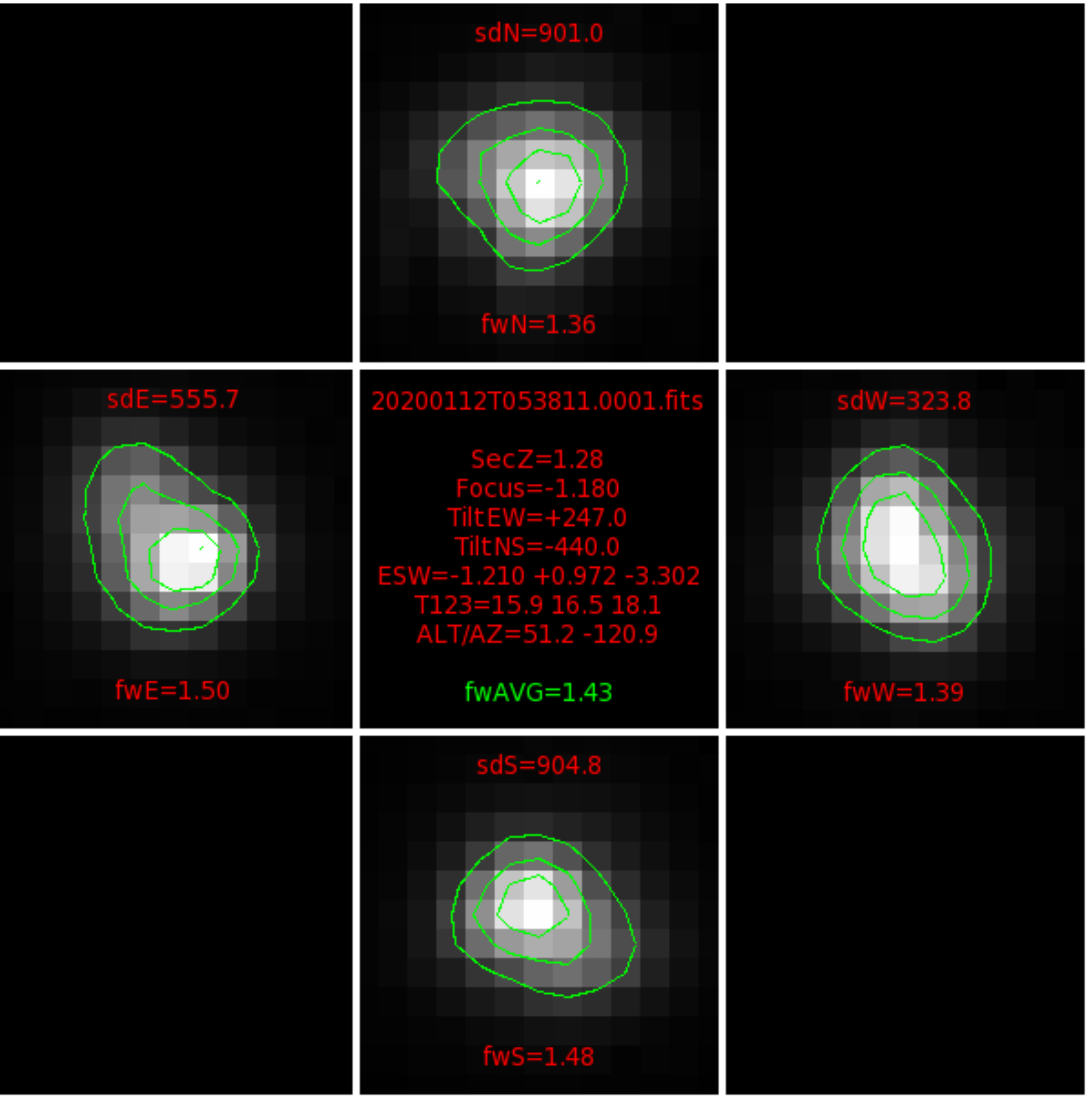
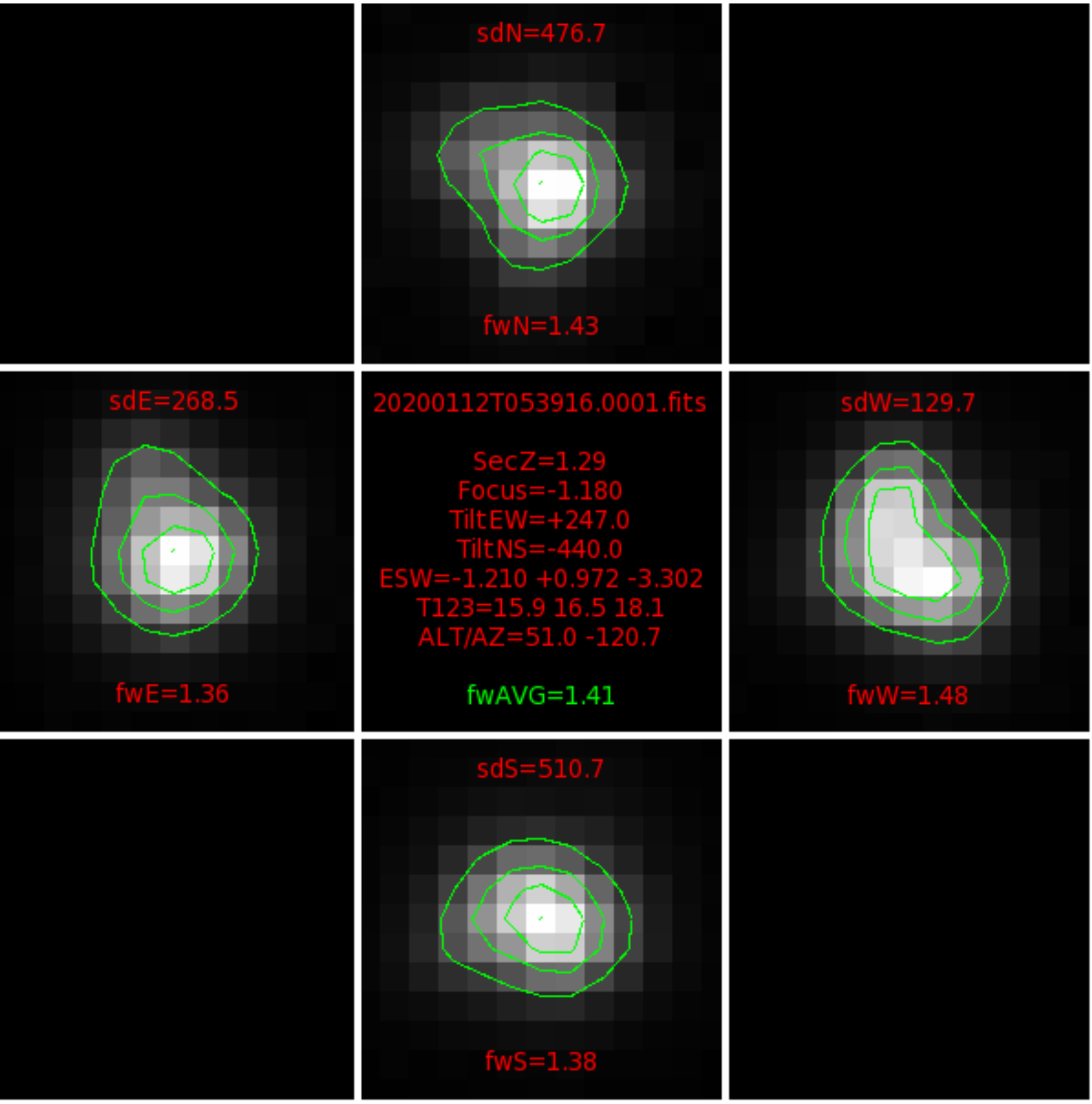
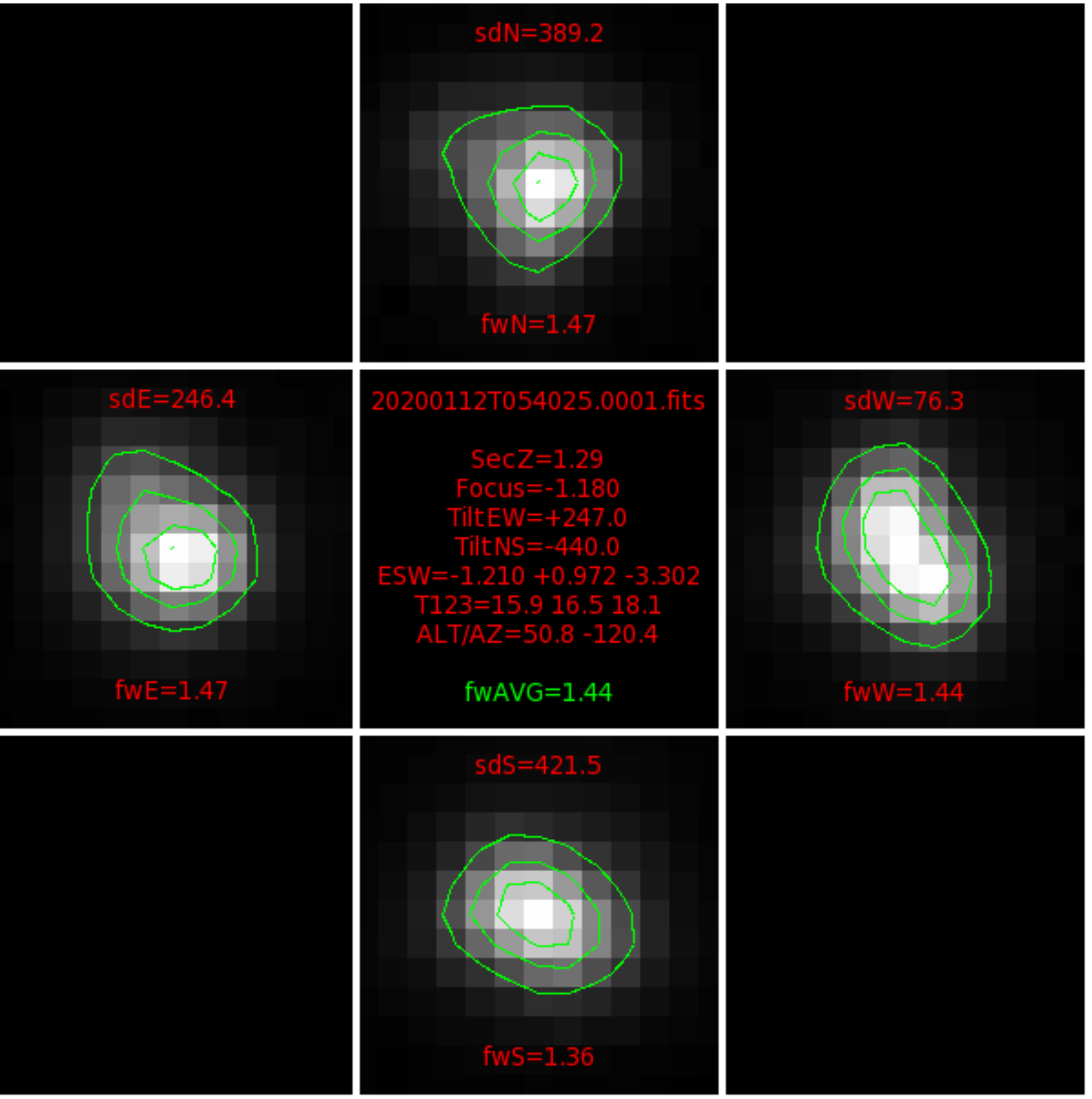
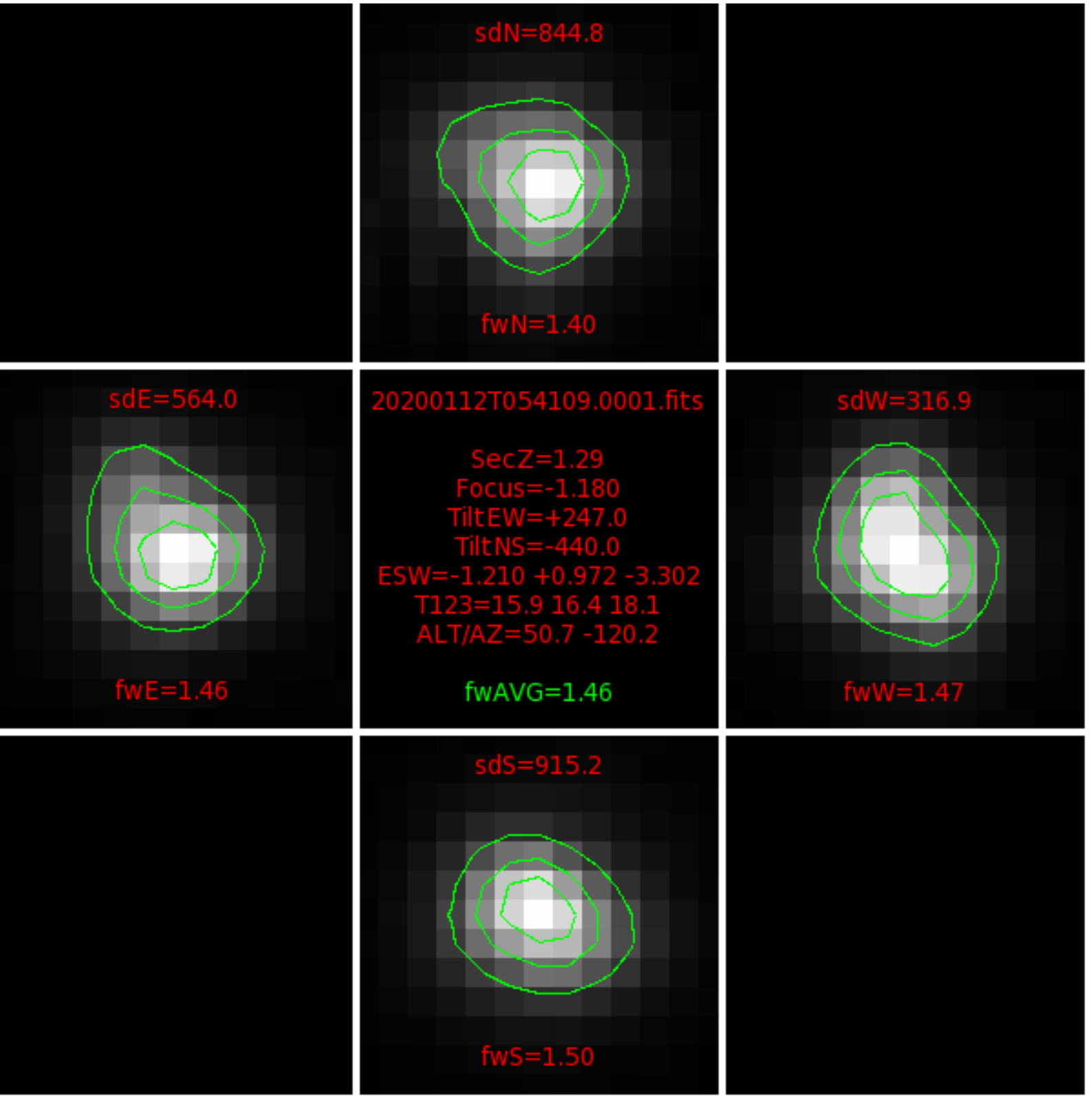

sdN=901.0
fwN=1.36
sdE=555.7
fwE=1.50
20200112T053811.0001.fits
SecZ=1.28
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.5 18.1
ALT/AZ=51.2 -120.9
fwAVG=1.43
sdW=323.8
fwW=1.39
sdS=904.8
fwS=1.48
0 0 0 0 0 0 0 0 0


sdN=476.7
fwN=1.43
sdE=268.5
fwE=1.36
20200112T053916.0001.fits
SecZ=1.29
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.5 18.1
ALT/AZ=51.0 -120.7
fwAVG=1.41
sdW=129.7
fwW=1.48
sdS=510.7
fwS=1.38
0 0 0 0 0 0 0 0 0


sdN=389.2
fwN=1.47
sdE=246.4
fwE=1.47
20200112T054025.0001.fits
SecZ=1.29
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.5 18.1
ALT/AZ=50.8 -120.4
fwAVG=1.44
sdW=76.3
fwW=1.44
sdS=421.5
fwS=1.36
0 0 0 0 0 0 0 0 0


sdN=844.8
fwN=1.40
sdE=564.0
fwE=1.46
20200112T054109.0001.fits
SecZ=1.29
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.4 18.1
ALT/AZ=50.7 -120.2
fwAVG=1.46
sdW=316.9
fwW=1.47
sdS=915.2
fwS=1.50
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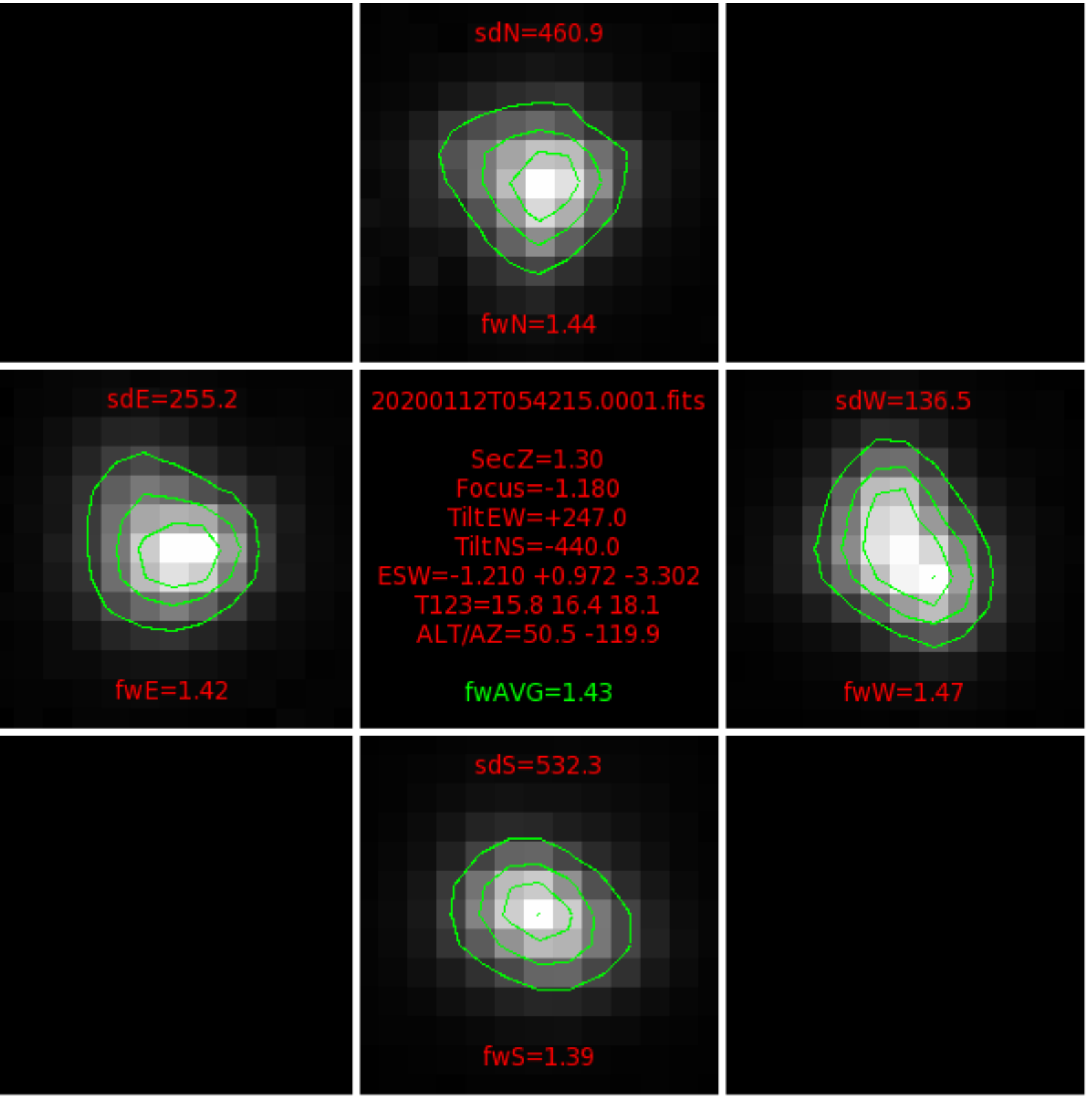
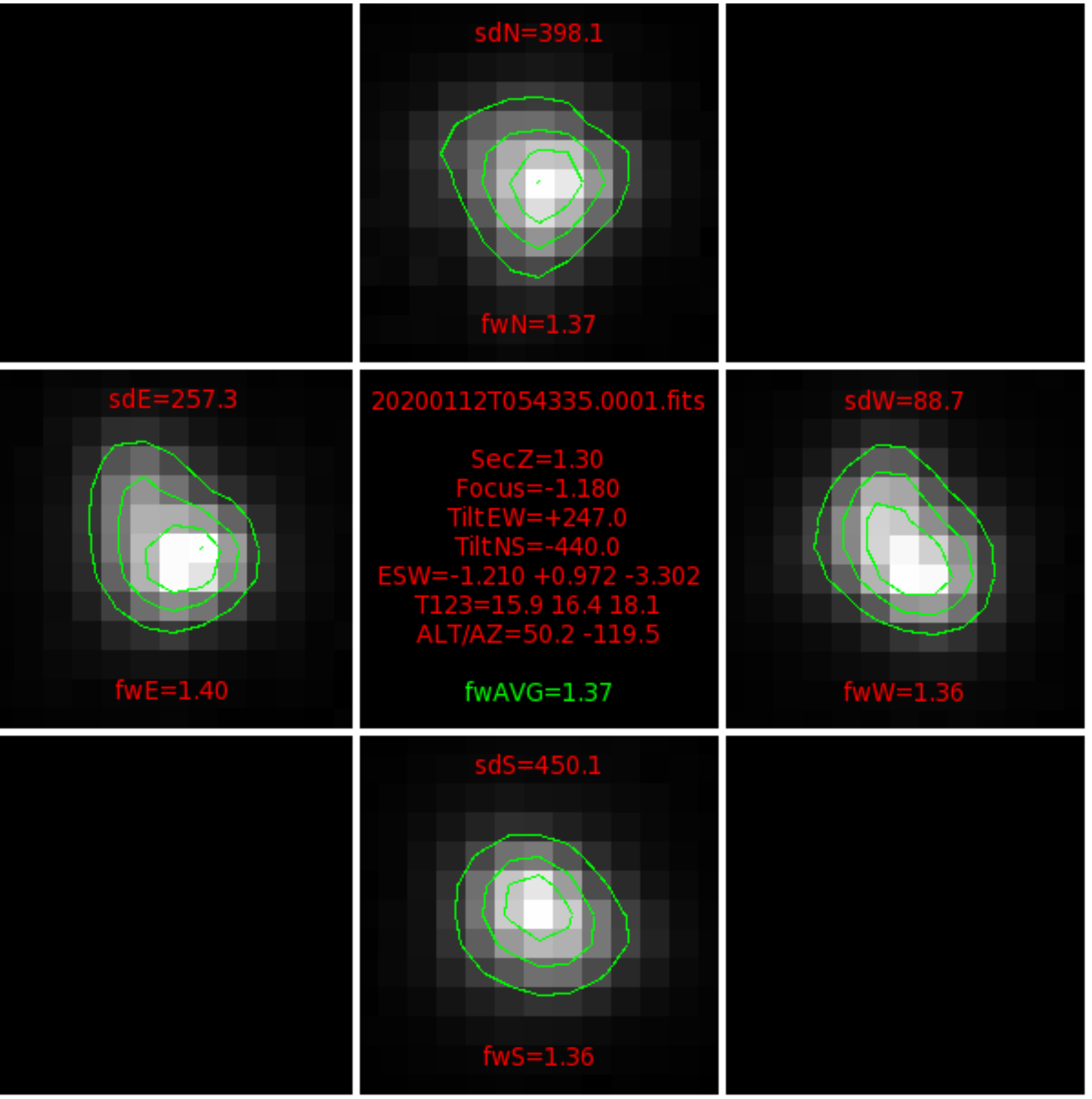
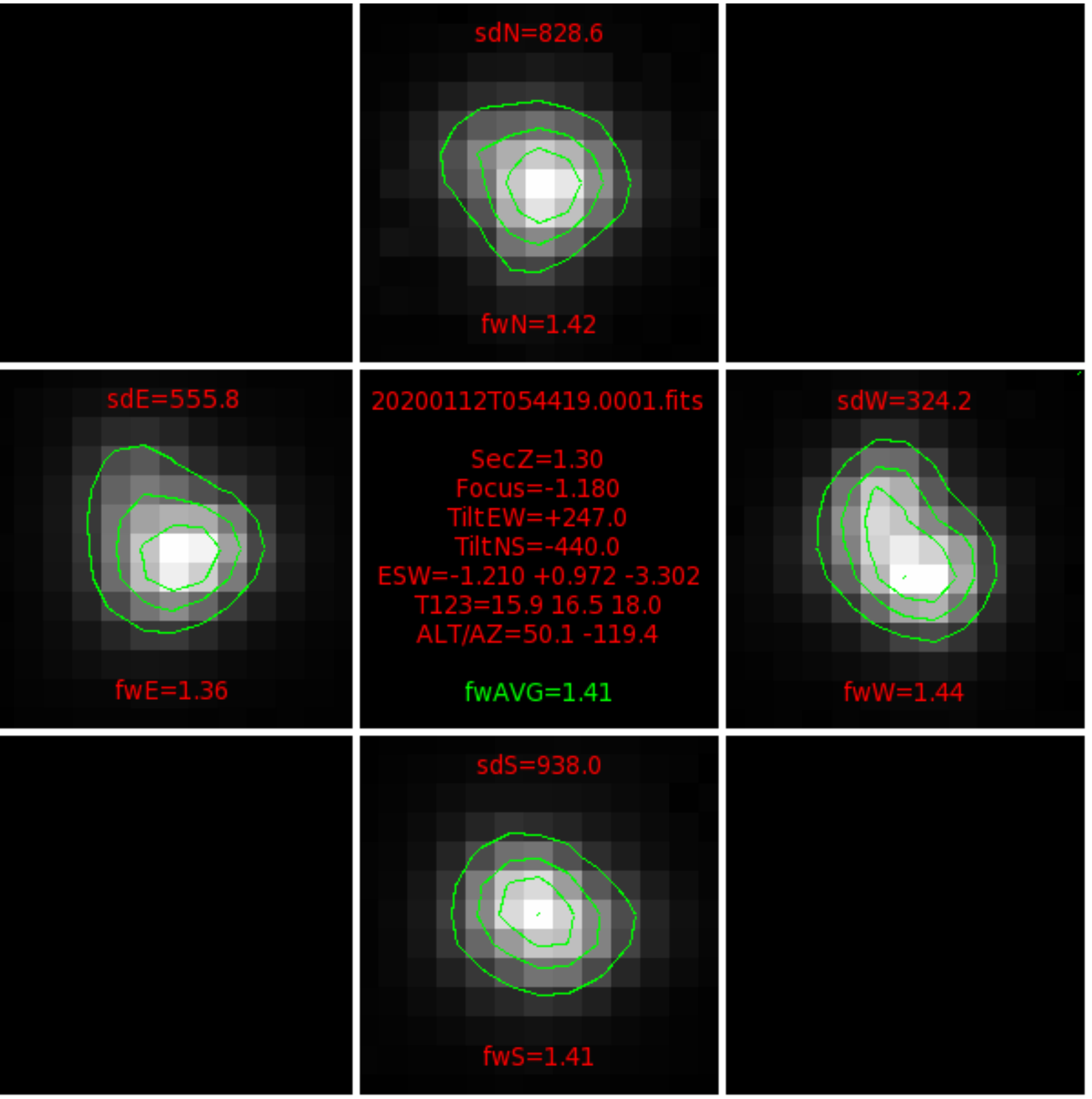

sdN=460.9
fwN=1.44
sdE=255.2
fwE=1.42
20200112T054215.0001.fits
SecZ=1.30
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.8 16.4 18.1
ALT/AZ=50.5 -119.9
fwAVG=1.43
sdW=136.5
fwW=1.47
sdS=532.3
fwS=1.39
0 0 0 0 0 0 0 0 0


sdN=398.1
fwN=1.37
sdE=257.3
fwE=1.40
20200112T054335.0001.fits
SecZ=1.30
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.4 18.1
ALT/AZ=50.2 -119.5
fwAVG=1.37
sdW=88.7
fwW=1.36
sdS=450.1
fwS=1.36
0 0 0 0 0 0 0 0 0


sdN=828.6
fwN=1.42
sdE=555.8
fwE=1.36
20200112T054419.0001.fits
SecZ=1.30
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.5 18.0
ALT/AZ=50.1 -119.4
fwAVG=1.41
sdW=324.2
fwW=1.44
sdS=938.0
fwS=1.41
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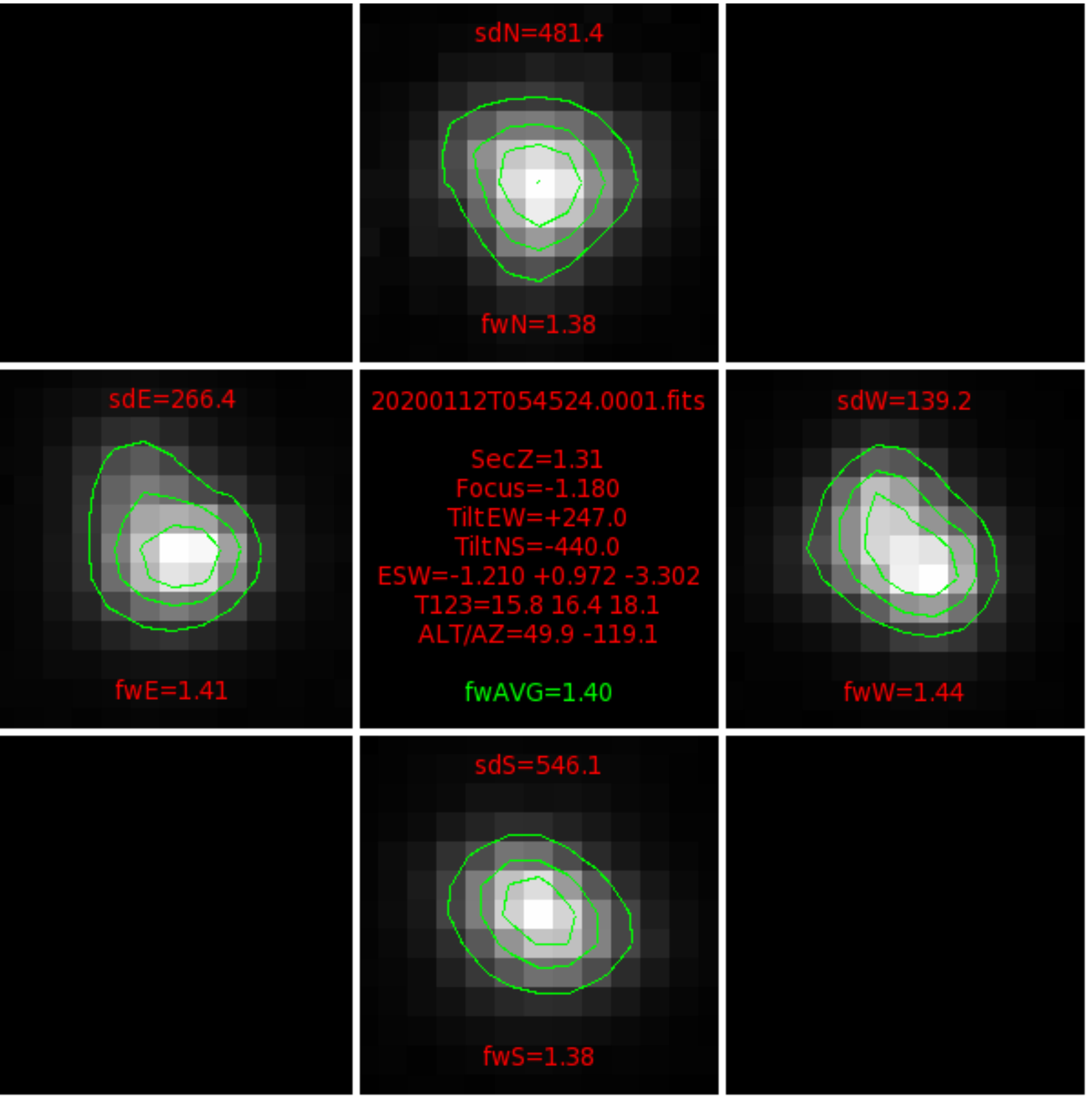
sdN=481.4
fwN=1.38
sdE=266.4
fwE=1.41
20200112T054524.0001.fits
SecZ=1.31
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.8 16.4 18.1
ALT/AZ=49.9 -119.1
fwAVG=1.40
sdW=139.2
fwW=1.44
sdS=546.1
fwS=1.38
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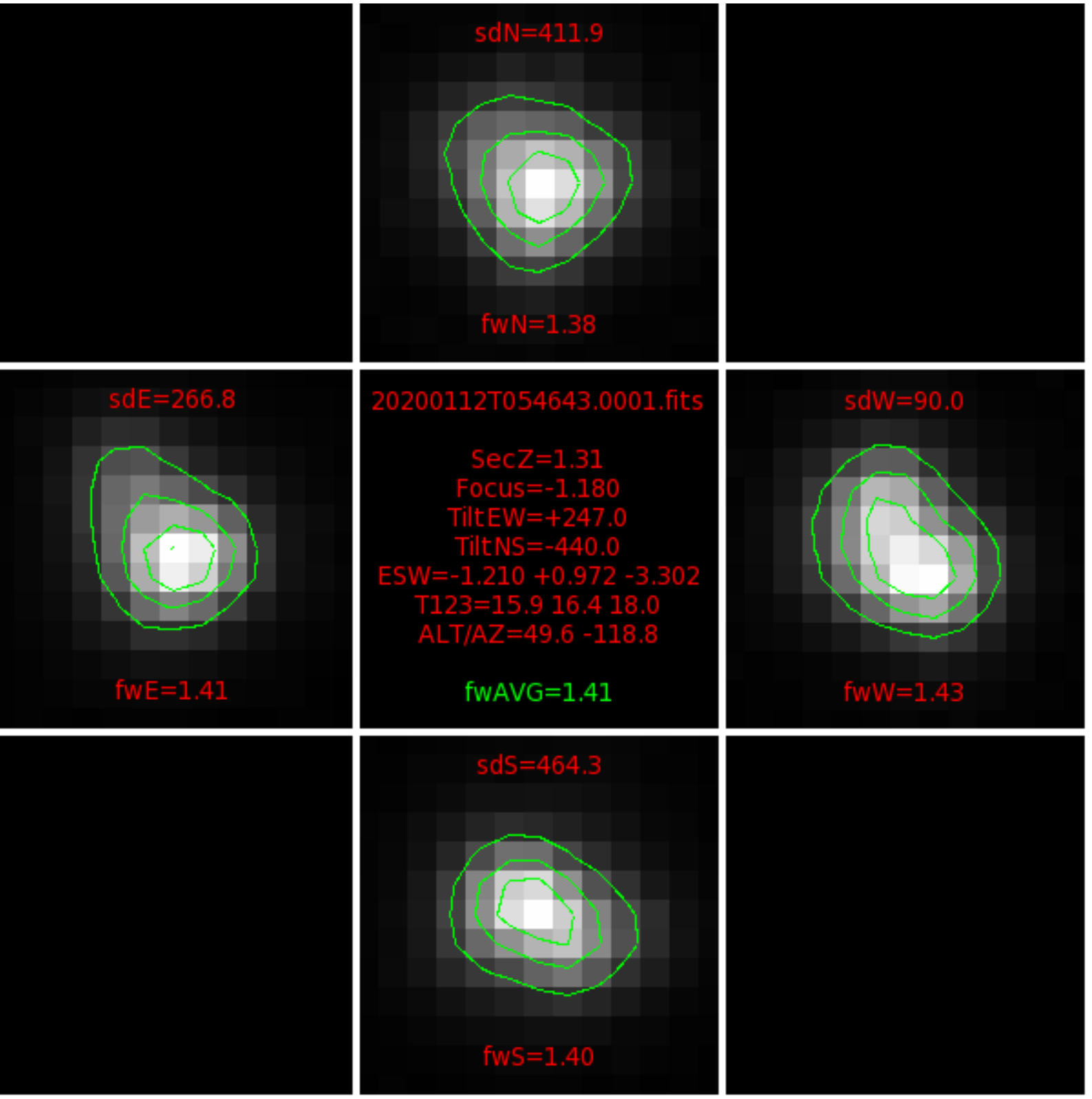
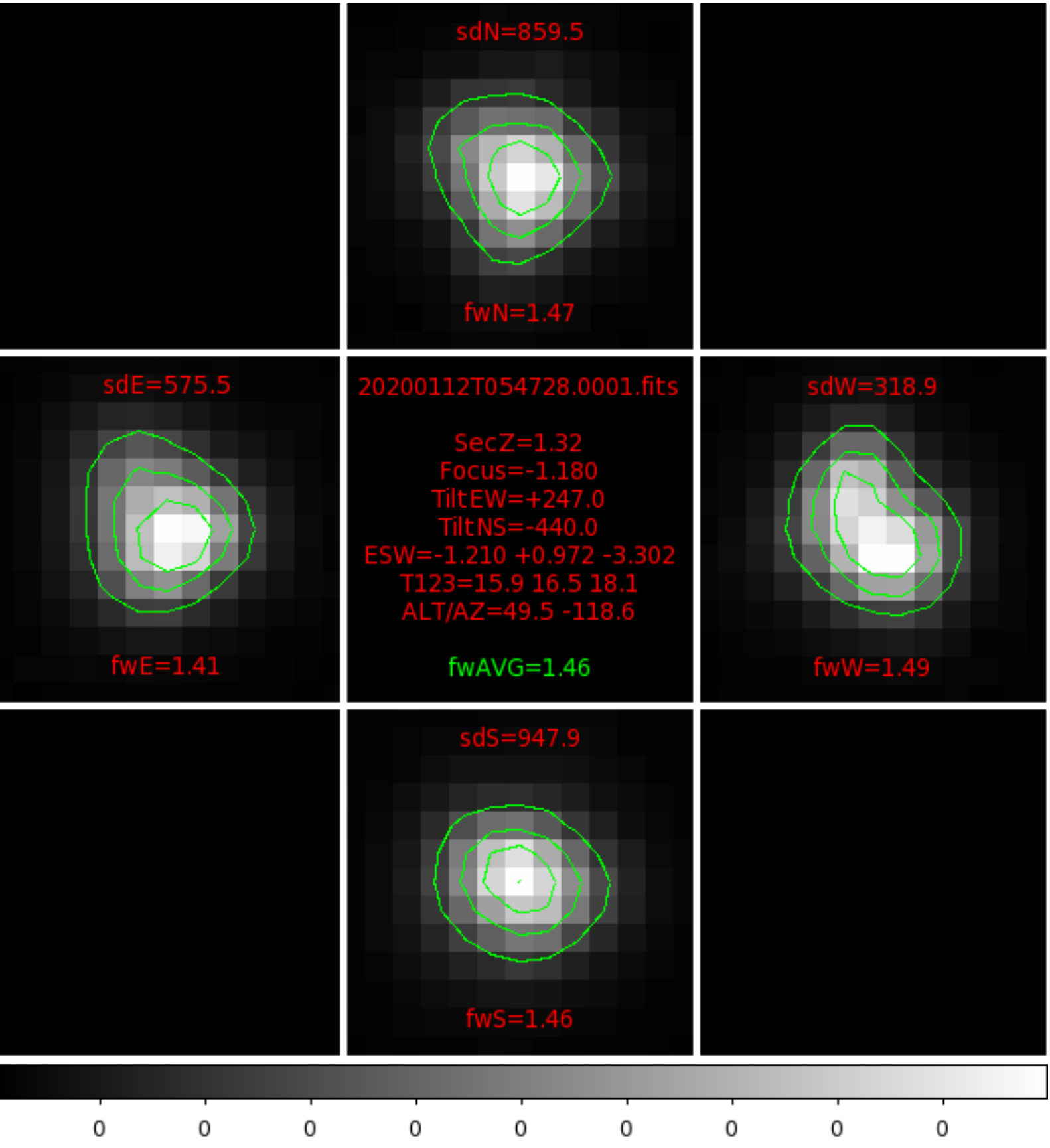
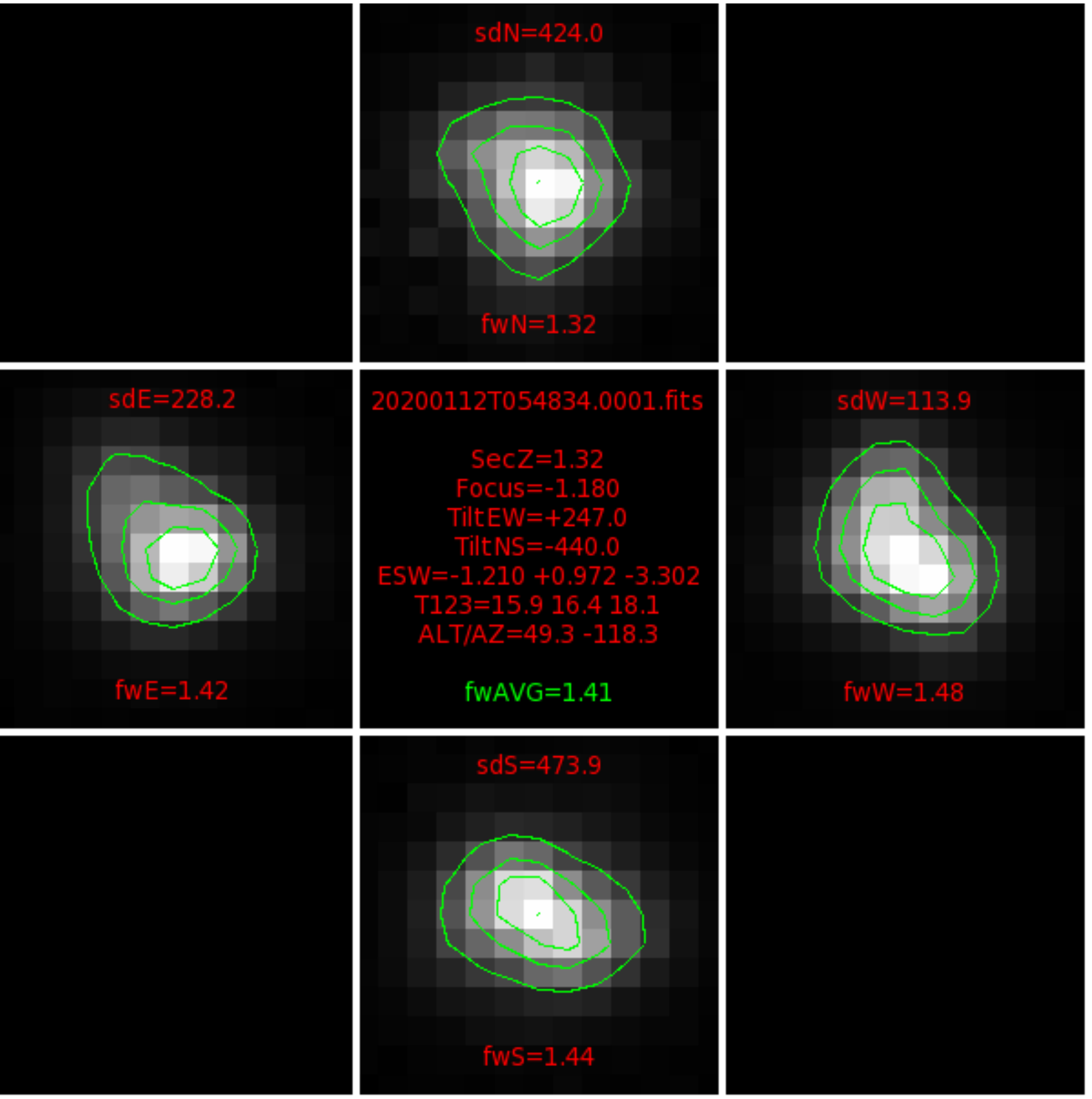
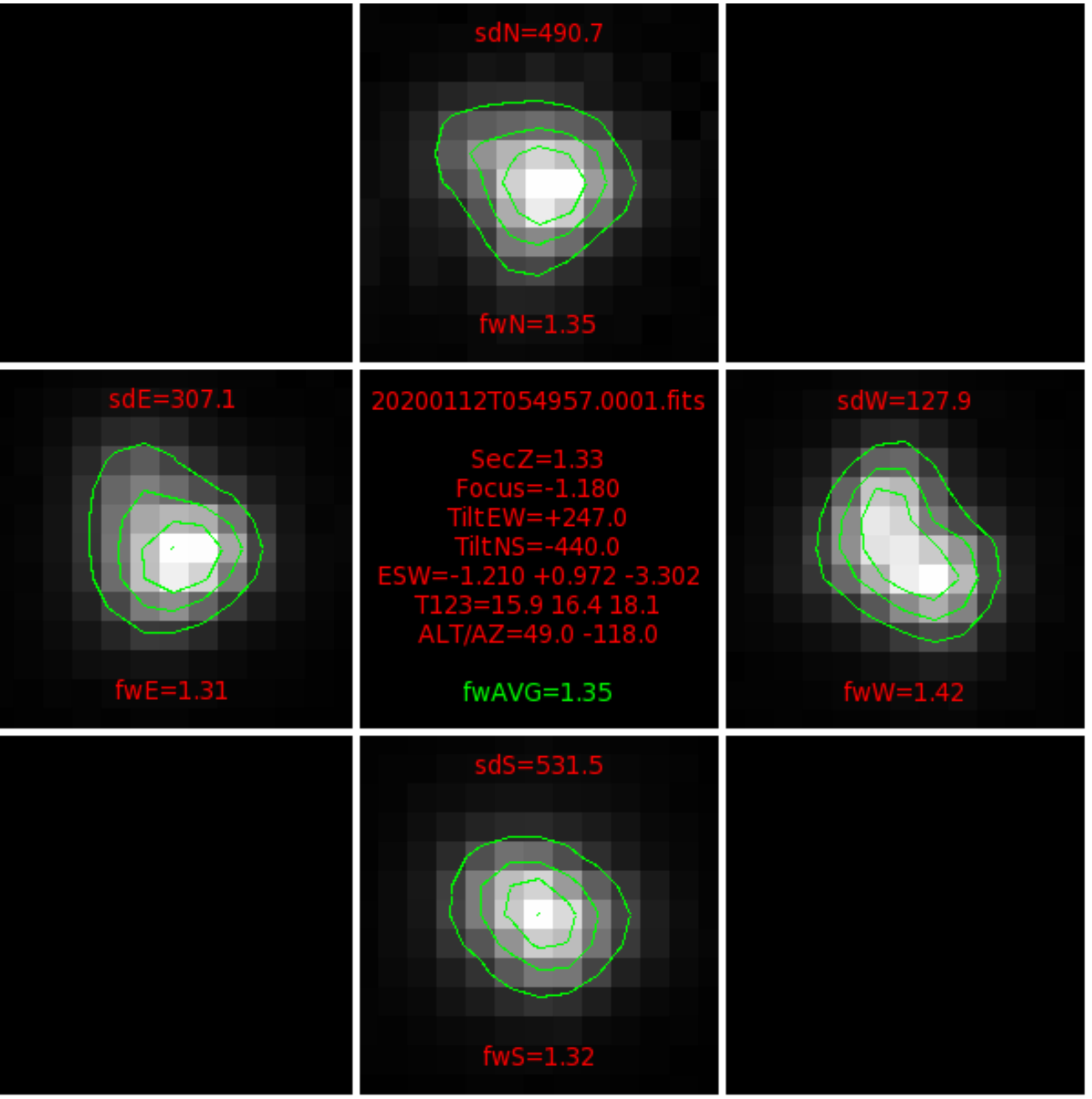
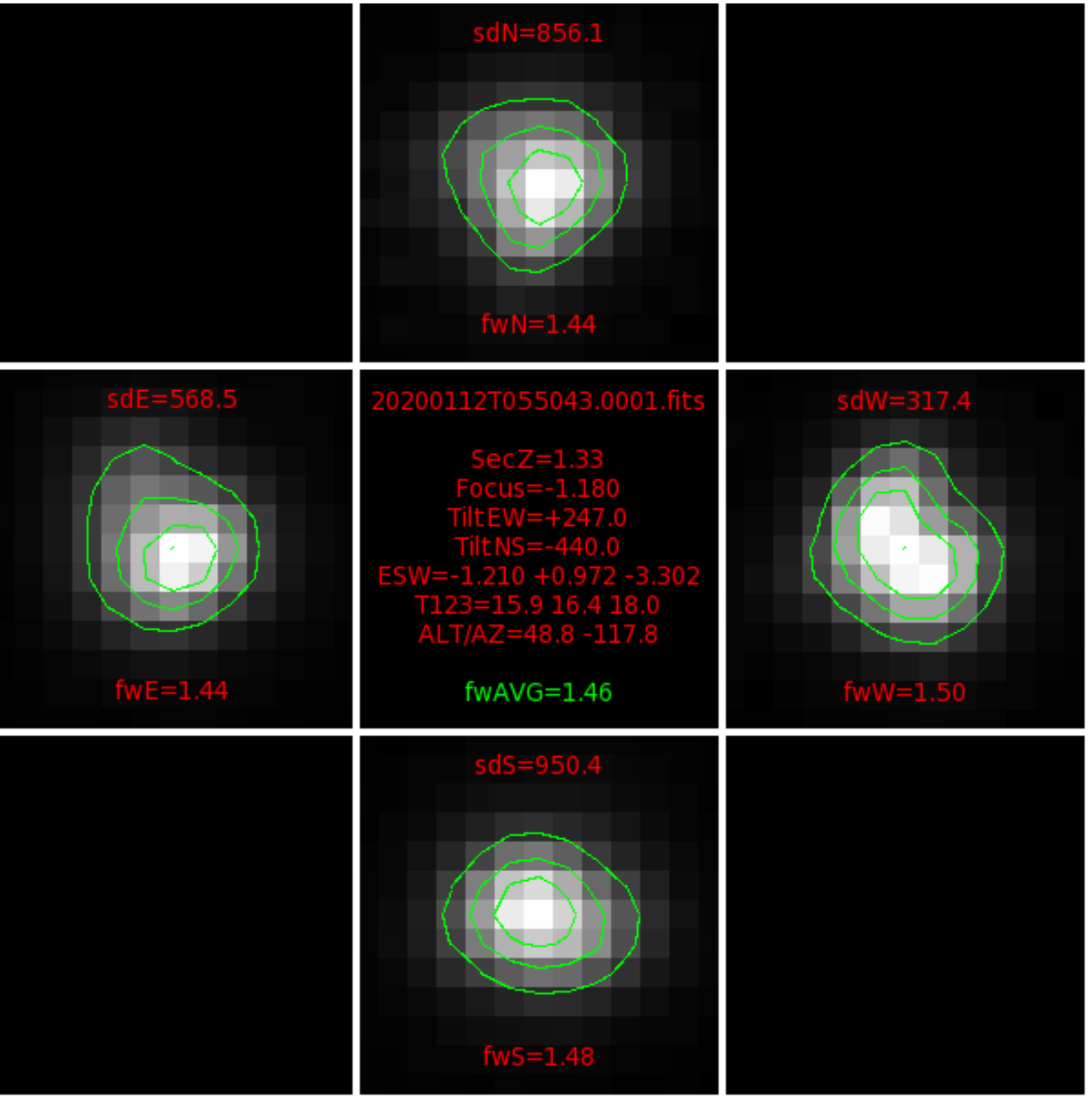
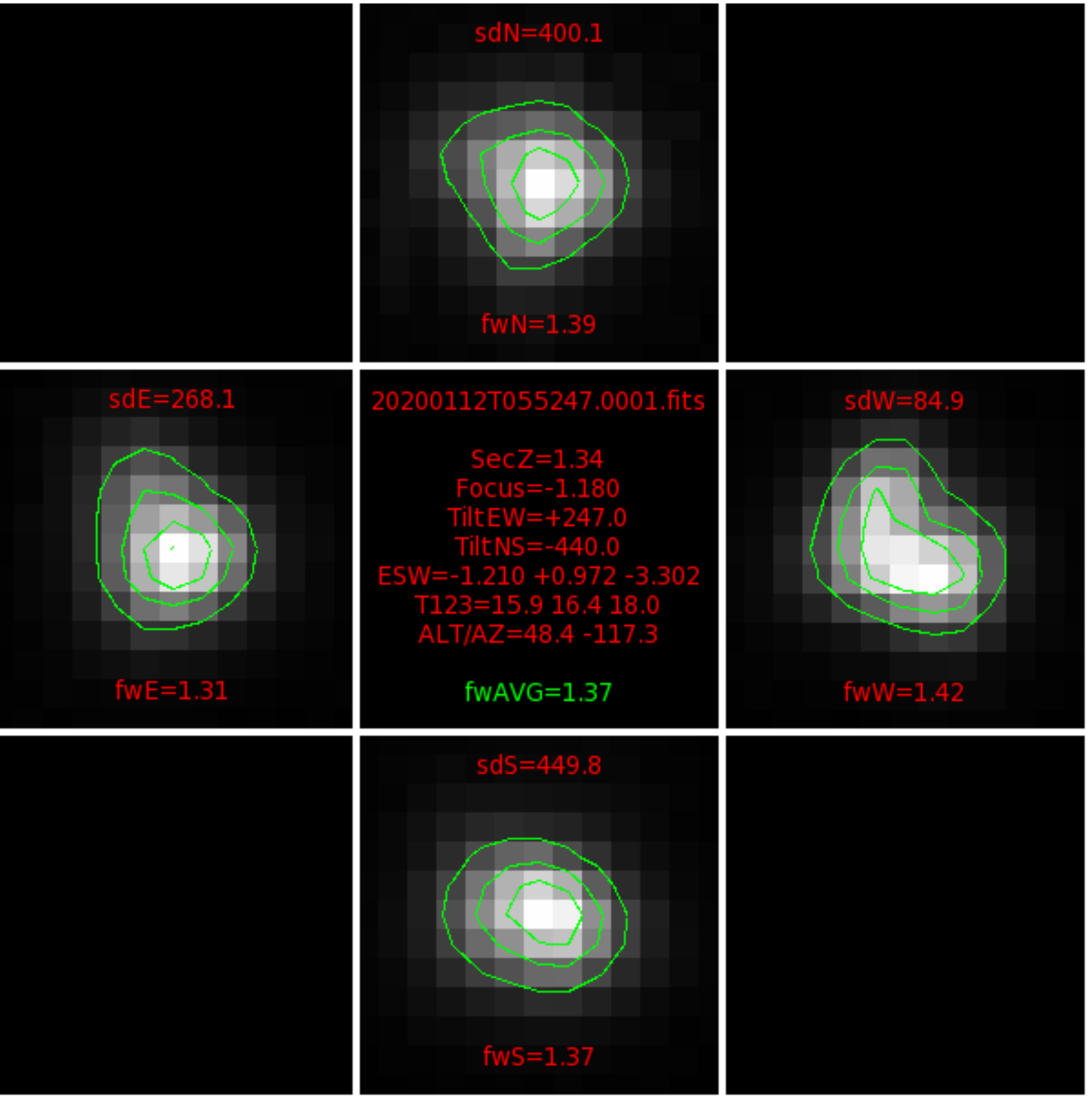

sdN=411.9
fwN=1.38
sdE=266.8
fwE=1.41
20200112T054643.0001.fits
SecZ=1.31
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.4 18.0
ALT/AZ=49.6 -118.8
fwAVG=1.41
sdW=90.0
fwW=1.43
sdS=464.3
fwS=1.40
0 0 0 0 0 0 0 0 0


sdN=859.5
fwN=1.47
sdE=575.5
fwE=1.41
20200112T054728.0001.fits
SecZ=1.32
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.5 18.1
ALT/AZ=49.5 -118.6
fwAVG=1.46
sdW=318.9
fwW=1.49
sdS=947.9
fwS=1.46
0 0 0 0 0 0 0 0 0


sdN=424.0
fwN=1.32
sdE=228.2
fwE=1.42
20200112T054834.0001.fits
SecZ=1.32
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.4 18.1
ALT/AZ=49.3 -118.3
fwAVG=1.41
sdW=113.9
fwW=1.48
sdS=473.9
fwS=1.44
0 0 0 0 0 0 0 0 0


sdN=490.7
fwN=1.35
sdE=307.1
fwE=1.31
20200112T054957.0001.fits
SecZ=1.33
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.4 18.1
ALT/AZ=49.0 -118.0
fwAVG=1.35
sdW=127.9
fwW=1.42
sdS=531.5
fwS=1.32
0 0 0 0 0 0 0 0 0


sdN=856.1
fwN=1.44
sdE=568.5
fwE=1.44
20200112T055043.0001.fits
SecZ=1.33
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.4 18.0
ALT/AZ=48.8 -117.8
fwAVG=1.46
sdW=317.4
fwW=1.50
sdS=950.4
fwS=1.48
0 0 0 0 0 0 0 0 0


sdN=400.1
fwN=1.39
sdE=268.1
fwE=1.31
20200112T055247.0001.fits
SecZ=1.34
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.4 18.0
ALT/AZ=48.4 -117.3
fwAVG=1.37
sdW=84.9
fwW=1.42
sdS=449.8
fwS=1.37
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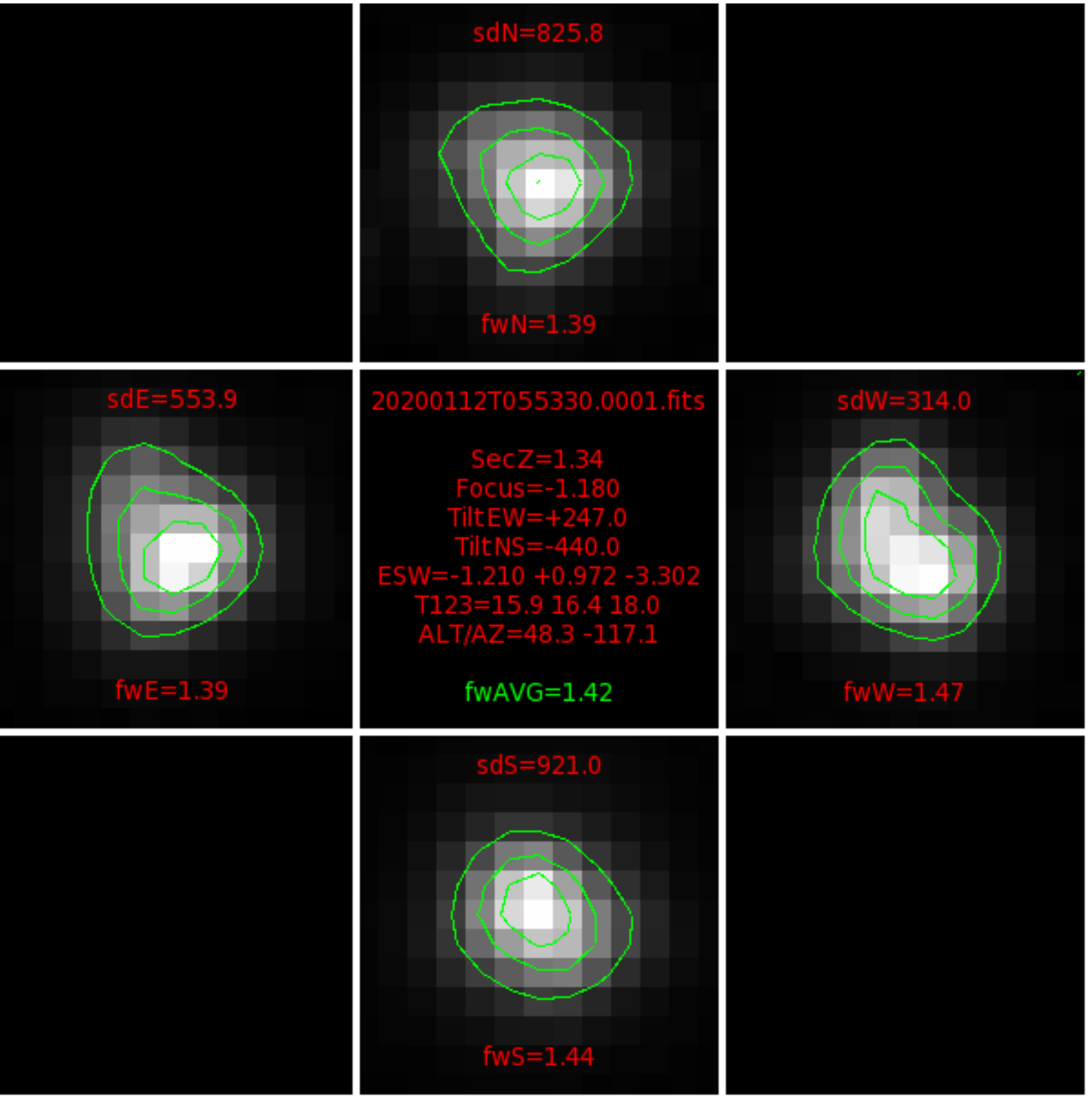
sdN=825.8
fwN=1.39
sdE=553.9
fwE=1.39
20200112T055330.0001.fits
SecZ=1.34
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.4 18.0
ALT/AZ=48.3 -117.1
fwAVG=1.42
sdW=314.0
fwW=1.47
sdS=921.0
fwS=1.44
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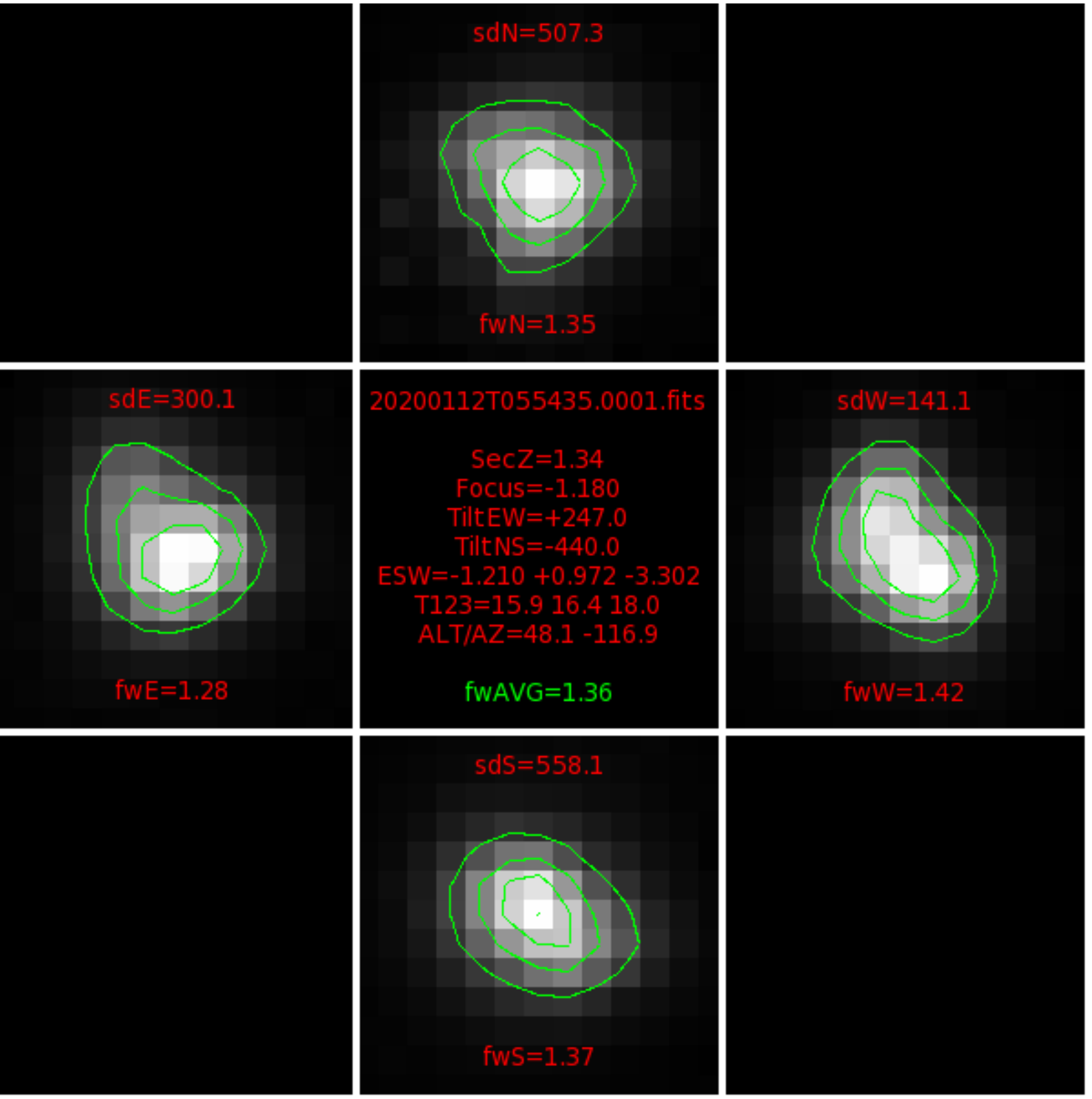
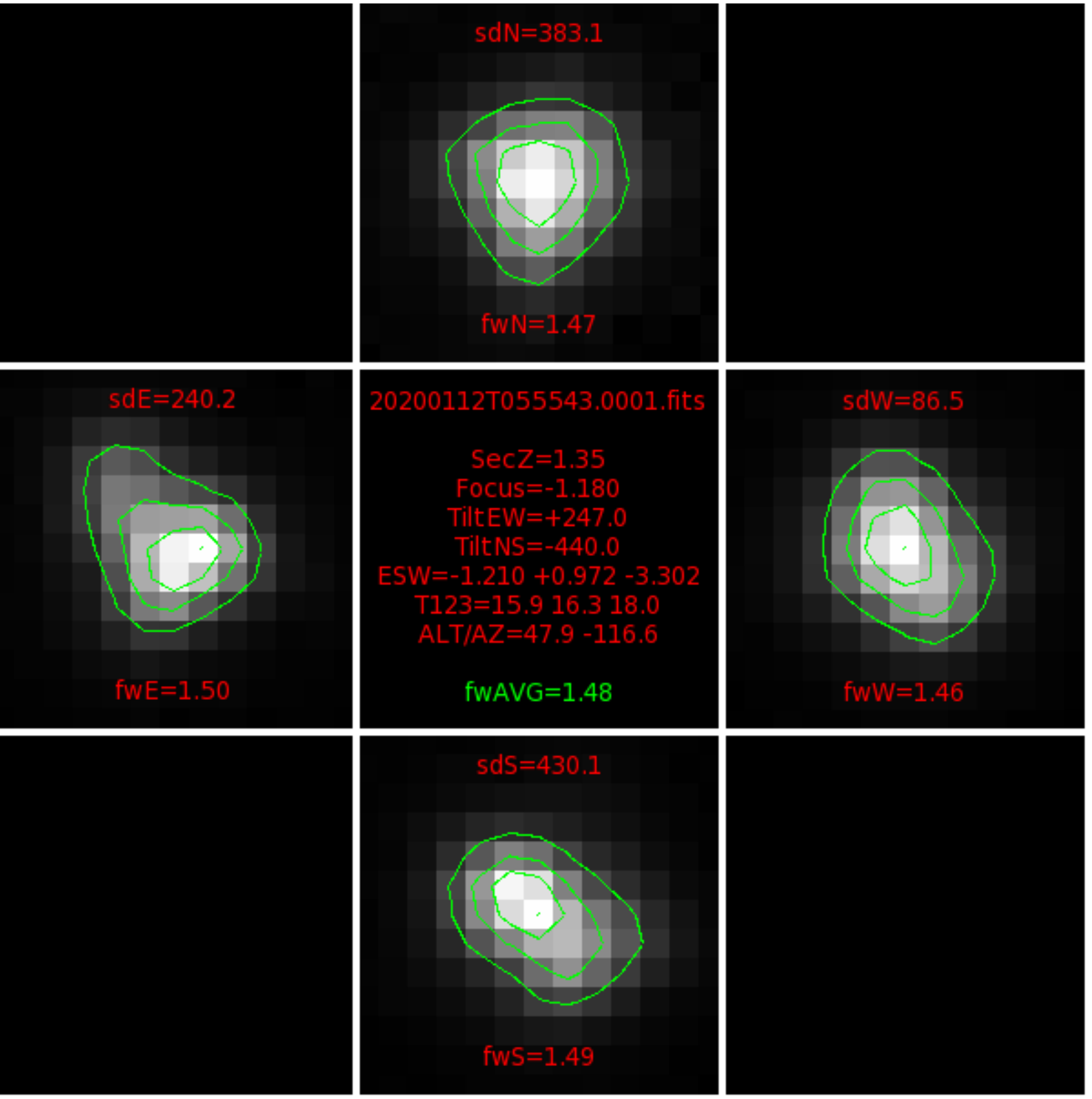
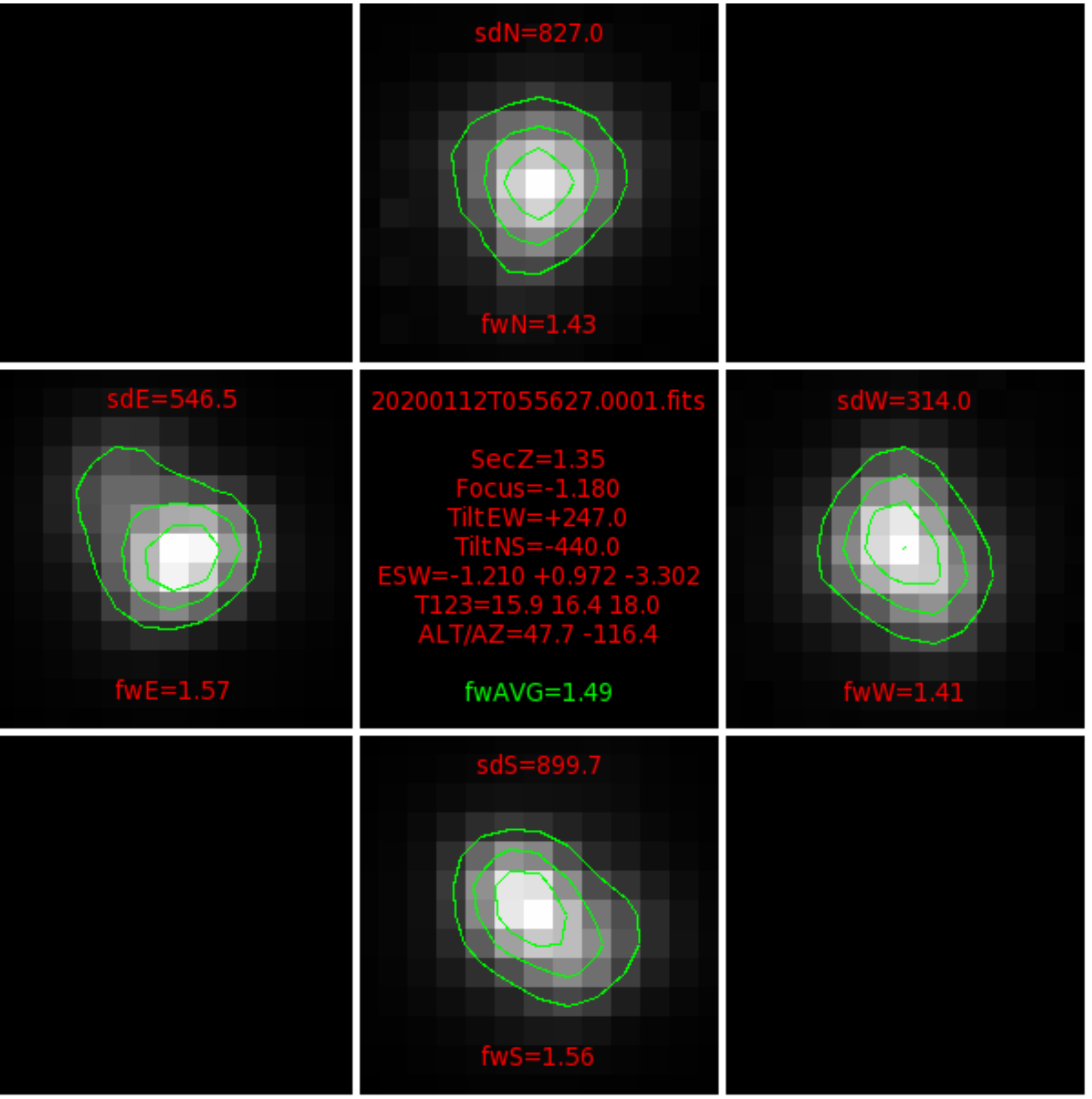

sdN=507.3
fwN=1.35
sdE=300.1
fwE=1.28
20200112T055435.0001.fits
SecZ=1.34
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.4 18.0
ALT/AZ=48.1 -116.9
fwAVG=1.36
sdW=141.1
fwW=1.42
sdS=558.1
fwS=1.37
0 0 0 0 0 0 0 0 0


sdN=383.1
fwN=1.47
sdE=240.2
fwE=1.50
20200112T055543.0001.fits
SecZ=1.35
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.3 18.0
ALT/AZ=47.9 -116.6
fwAVG=1.48
sdW=86.5
fwW=1.46
sdS=430.1
fwS=1.49
0 0 0 0 0 0 0 0 0


sdN=827.0
fwN=1.43
sdE=546.5
fwE=1.57
20200112T055627.0001.fits
SecZ=1.35
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.4 18.0
ALT/AZ=47.7 -116.4
fwAVG=1.49
sdW=314.0
fwW=1.41
sdS=899.7
fwS=1.56
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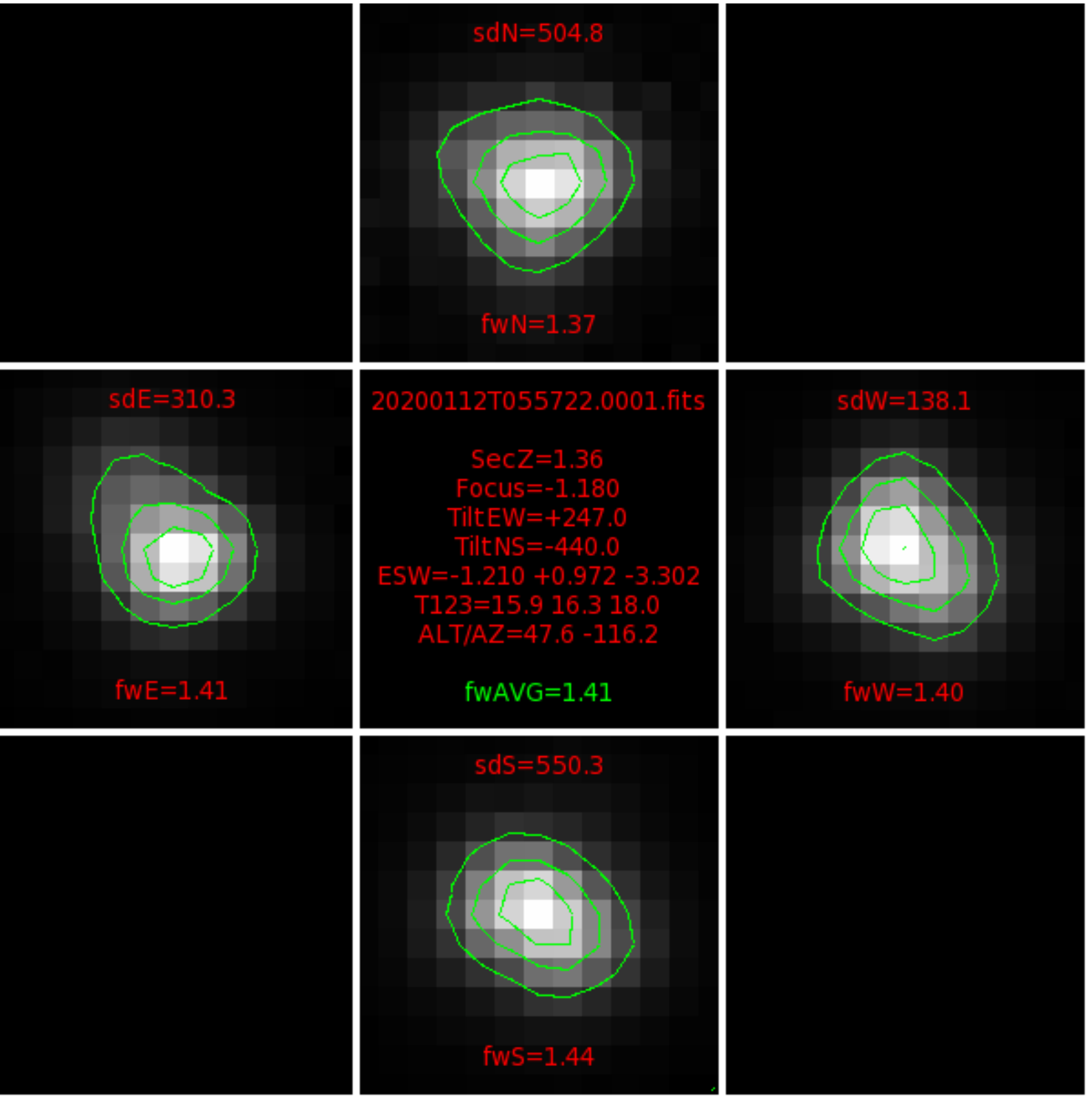
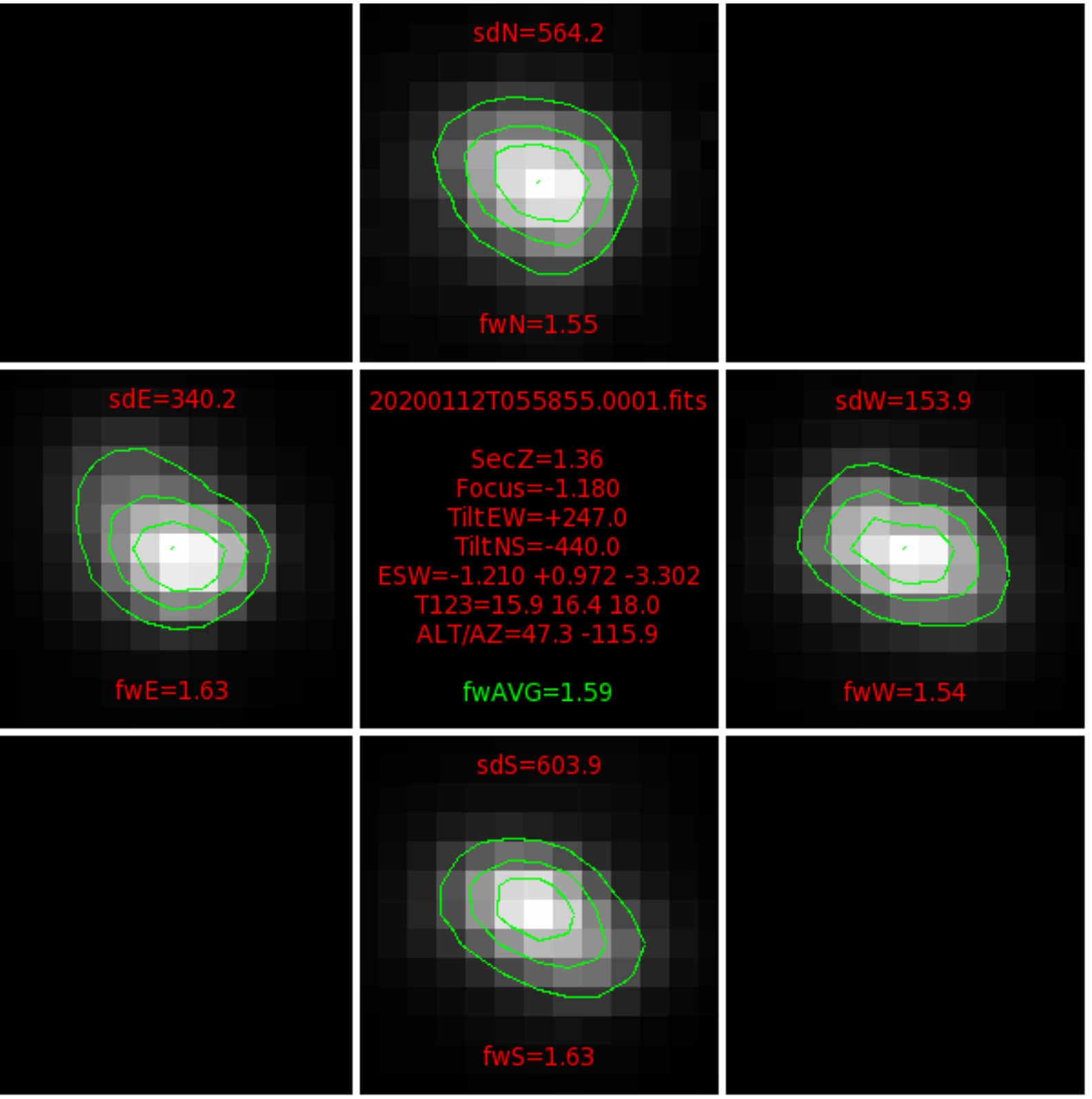
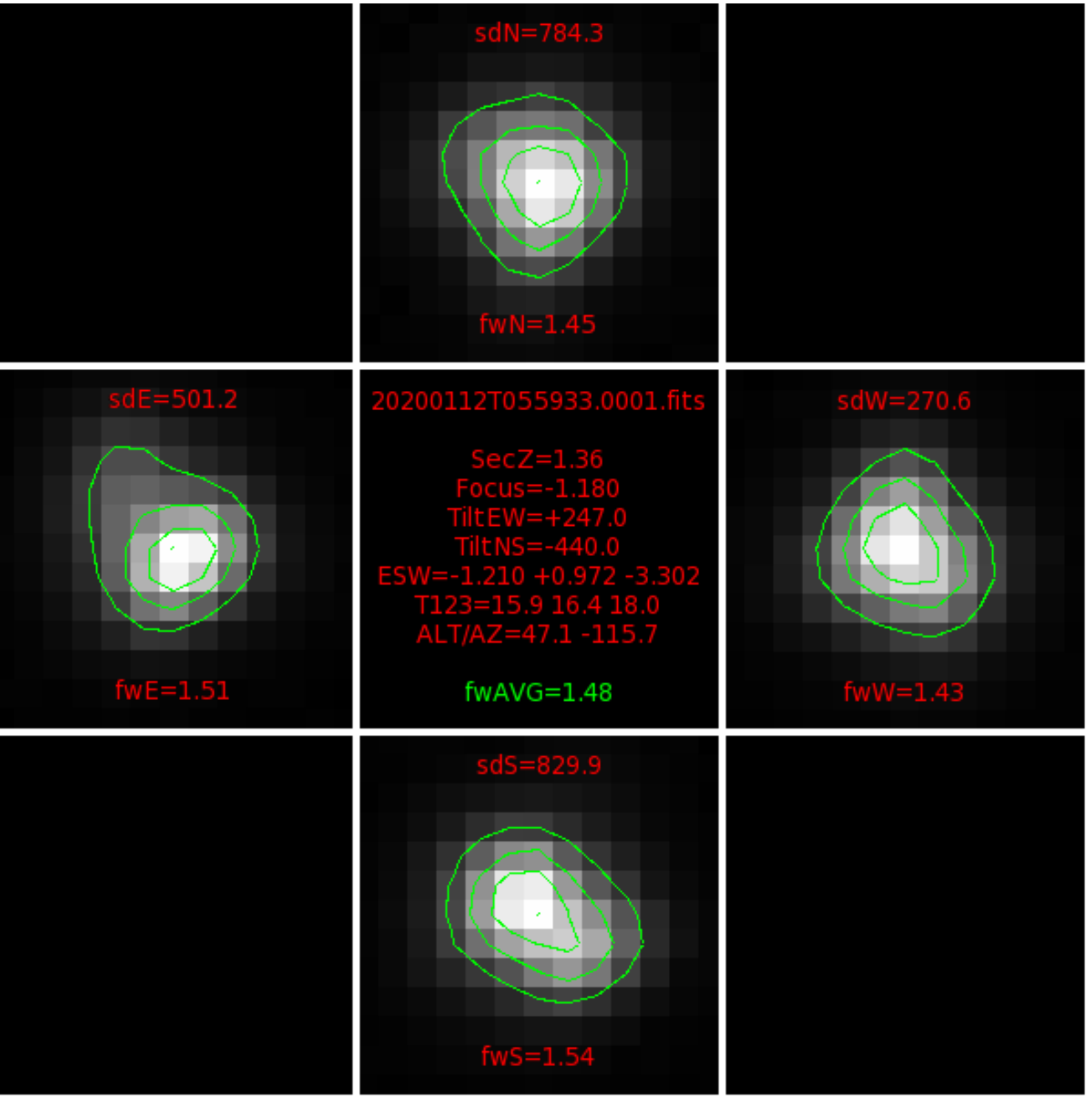

sdN=504.8
fwN=1.37
sdE=310.3
fwE=1.41
20200112T055722.0001.fits
SecZ=1.36
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.3 18.0
ALT/AZ=47.6 -116.2
fwAVG=1.41
sdW=138.1
fwW=1.40
sdS=550.3
fwS=1.44
0 0 0 0 0 0 0 0 0


sdN=564.2
fwN=1.55
sdE=340.2
fwE=1.63
20200112T055855.0001.fits
SecZ=1.36
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.4 18.0
ALT/AZ=47.3 -115.9
fwAVG=1.59
sdW=153.9
fwW=1.54
sdS=603.9
fwS=1.63
0 0 0 0 0 0 0 0 0


sdN=784.3
fwN=1.45
sdE=501.2
fwE=1.51
20200112T055933.0001.fits
SecZ=1.36
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.9 16.4 18.0
ALT/AZ=47.1 -115.7
fwAVG=1.48
sdW=270.6
fwW=1.43
sdS=829.9
fwS=1.54
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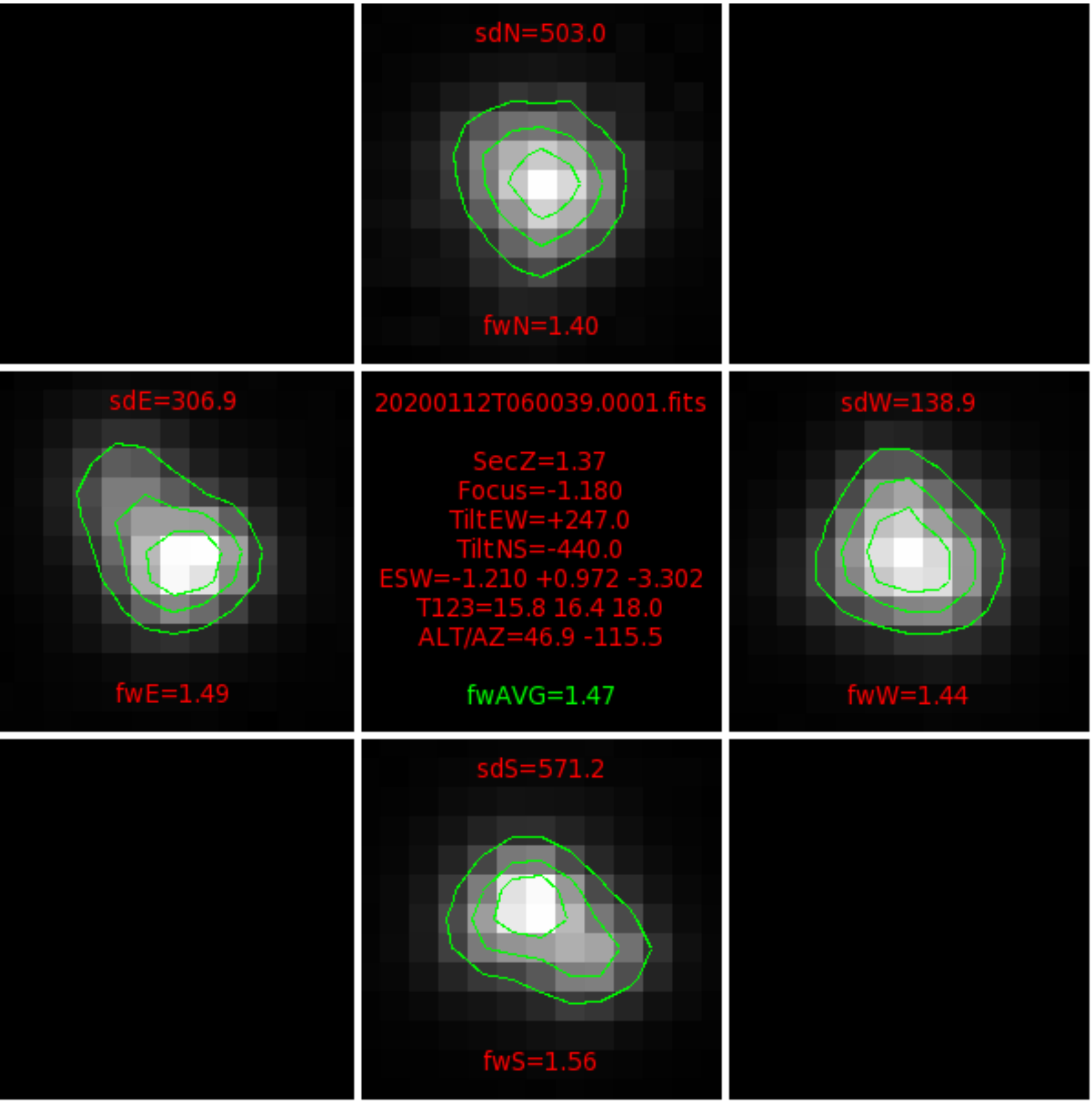
sdN=503.0
fwN=1.40
sdE=306.9
fwE=1.49
20200112T060039.0001.fits
SecZ=1.37
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.8 16.4 18.0
ALT/AZ=46.9 -115.5
fwAVG=1.47
sdW=138.9
fwW=1.44
sdS=571.2
fwS=1.56
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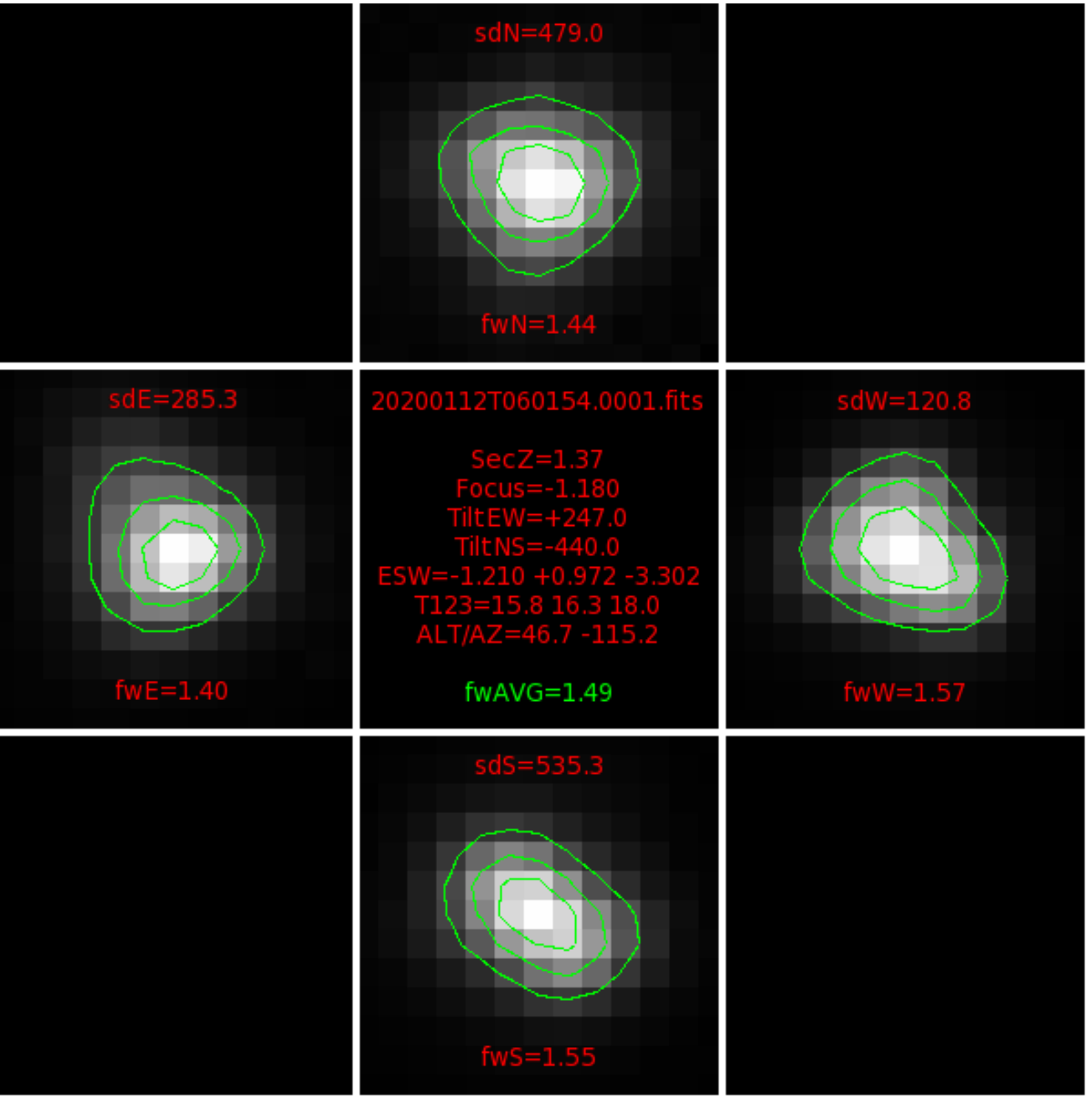
sdN=479.0
fwN=1.44
sdE=285.3
fwE=1.40
20200112T060154.0001.fits
SecZ=1.37
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.8 16.3 18.0
ALT/AZ=46.7 -115.2
fwAVG=1.49
sdW=120.8
fwW=1.57
sdS=535.3
fwS=1.55
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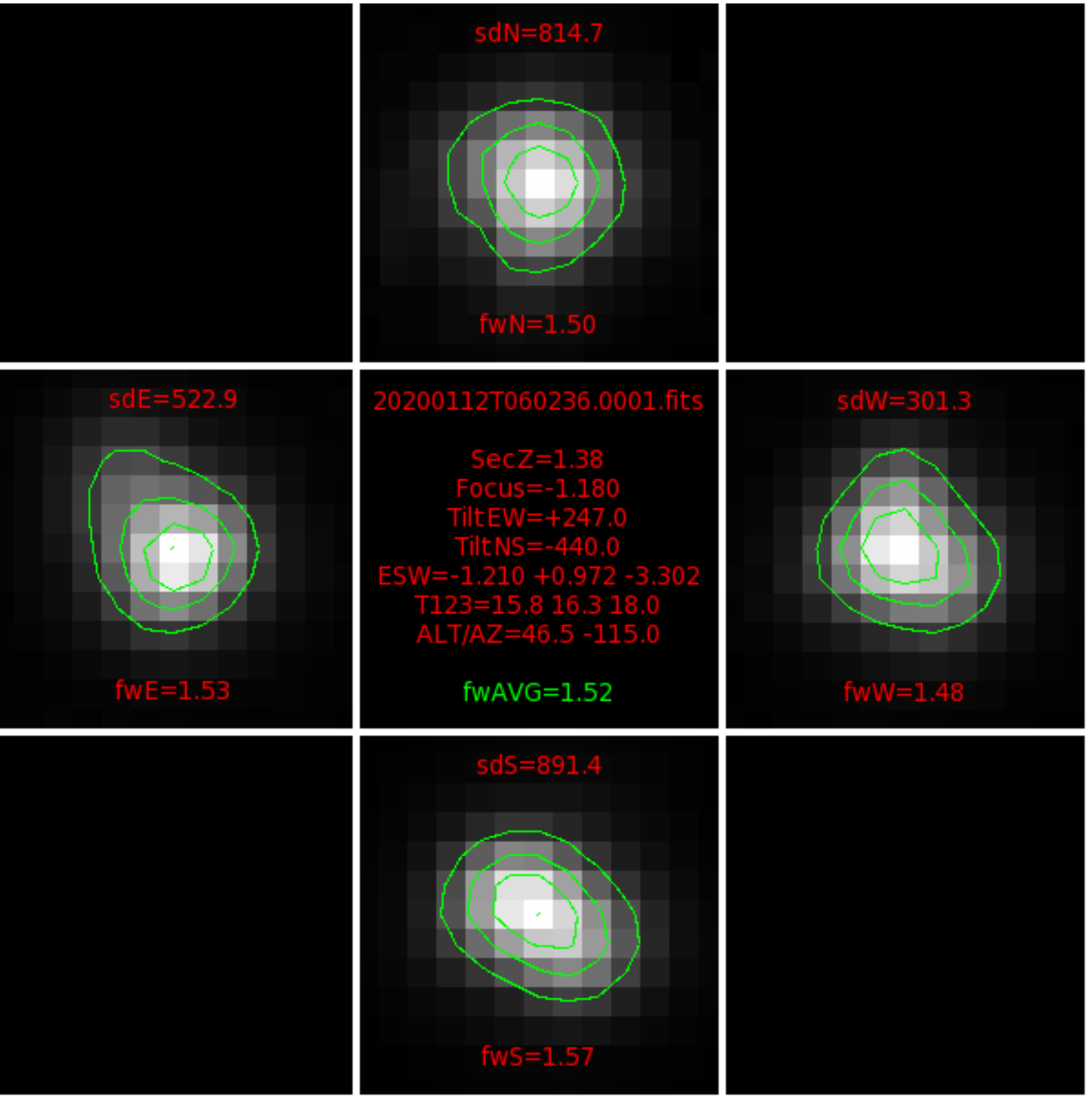
sdN=814.7
fwN=1.50
sdE=522.9
fwE=1.53
20200112T060236.0001.fits
SecZ=1.38
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.8 16.3 18.0
ALT/AZ=46.5 -115.0
fwAVG=1.52
sdW=301.3
fwW=1.48
sdS=891.4
fwS=1.57
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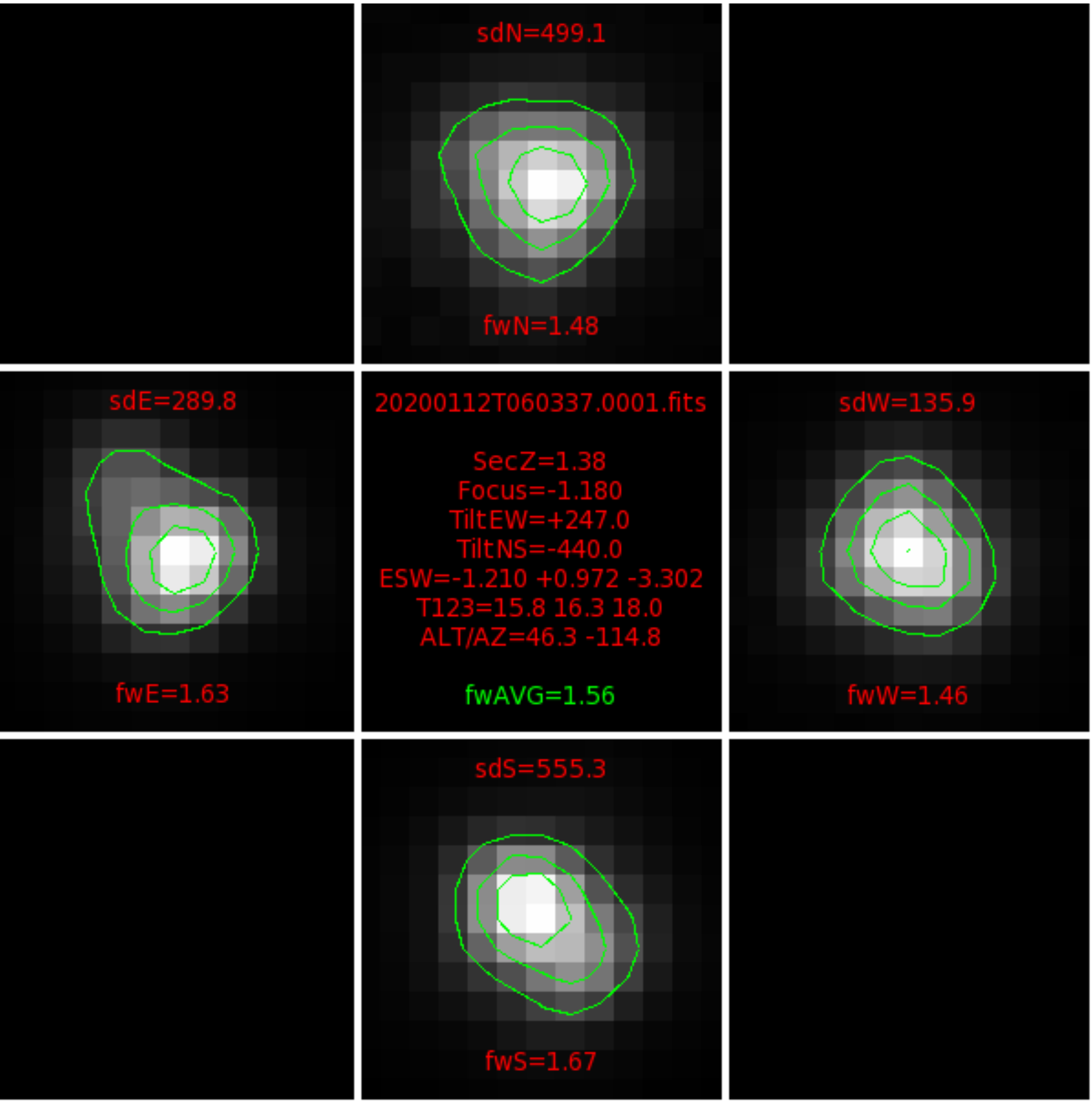
sdN=499.1
fwN=1.48
sdE=289.8
fwE=1.63
20200112T060337.0001.fits
SecZ=1.38
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.8 16.3 18.0
ALT/AZ=46.3 -114.8
fwAVG=1.56
sdW=135.9
fwW=1.46
sdS=555.3
fwS=1.67
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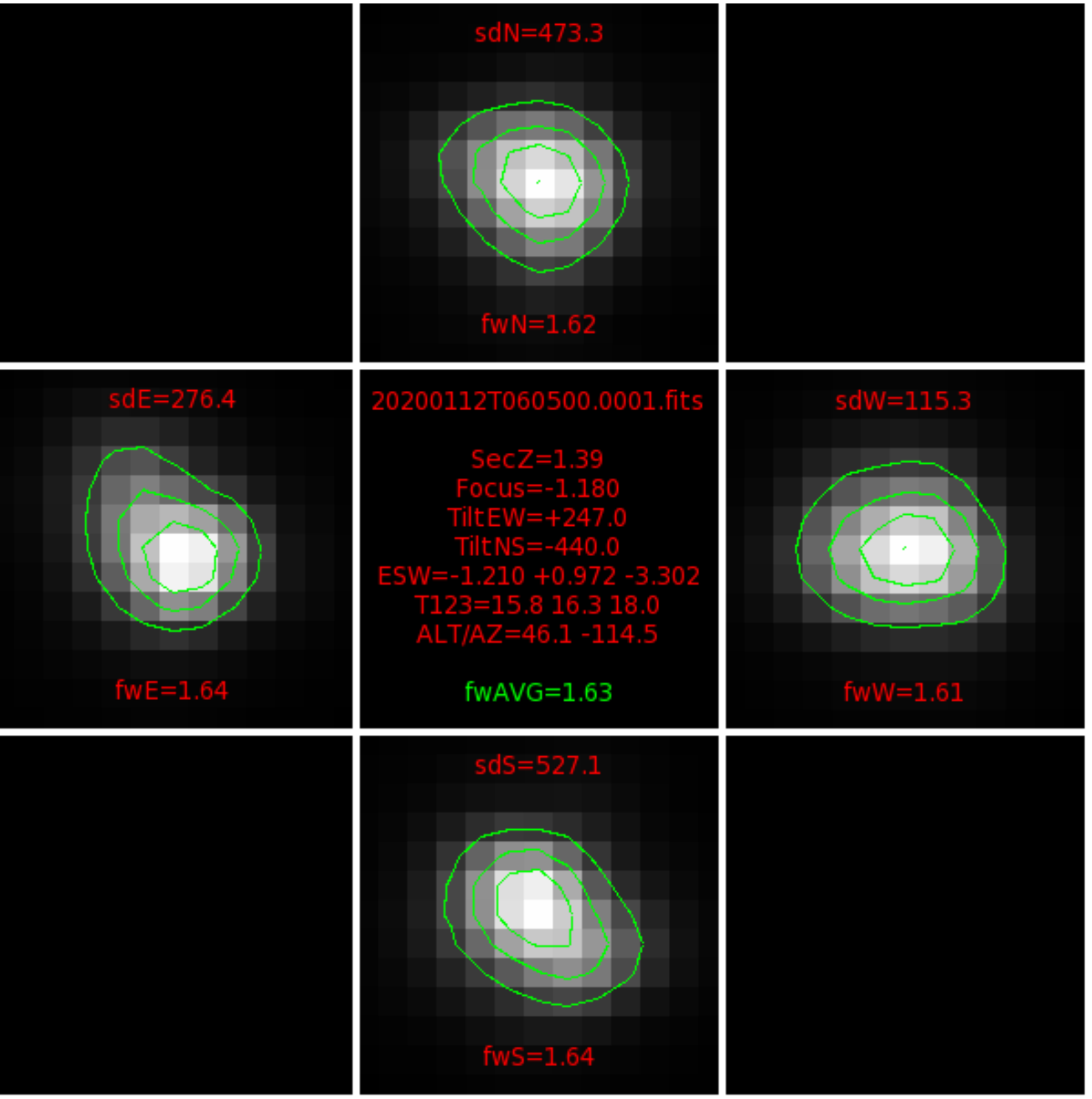
sdN=473.3
fwN=1.62
sdE=276.4
fwE=1.64
20200112T060500.0001.fits
SecZ=1.39
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.8 16.3 18.0
ALT/AZ=46.1 -114.5
fwAVG=1.63
sdW=115.3
fwW=1.61
sdS=527.1
fwS=1.64
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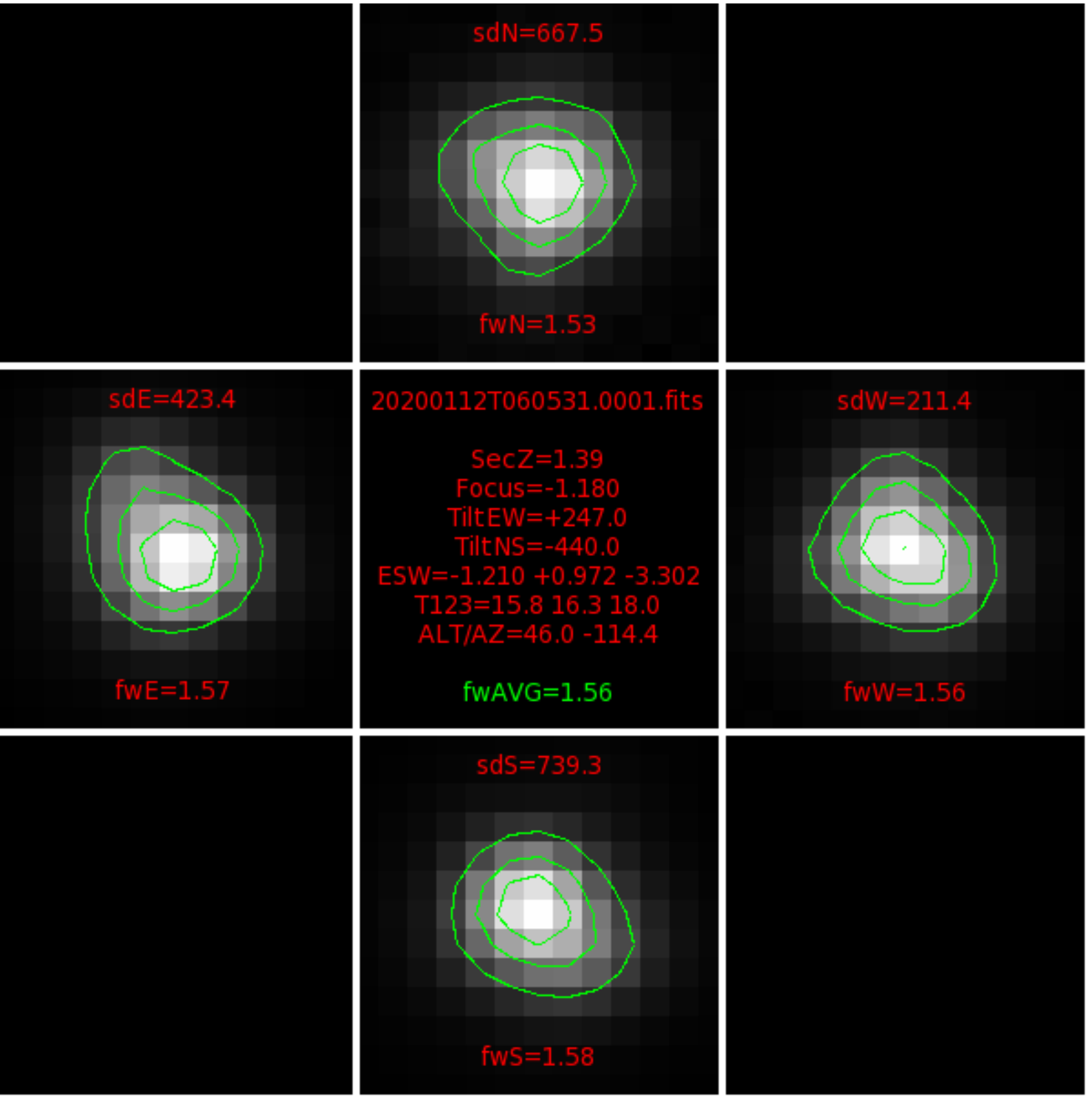
sdN=667.5
fwN=1.53
sdE=423.4
fwE=1.57
20200112T060531.0001.fits
SecZ=1.39
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.8 16.3 18.0
ALT/AZ=46.0 -114.4
fwAVG=1.56
sdW=211.4
fwW=1.56
sdS=739.3
fwS=1.58
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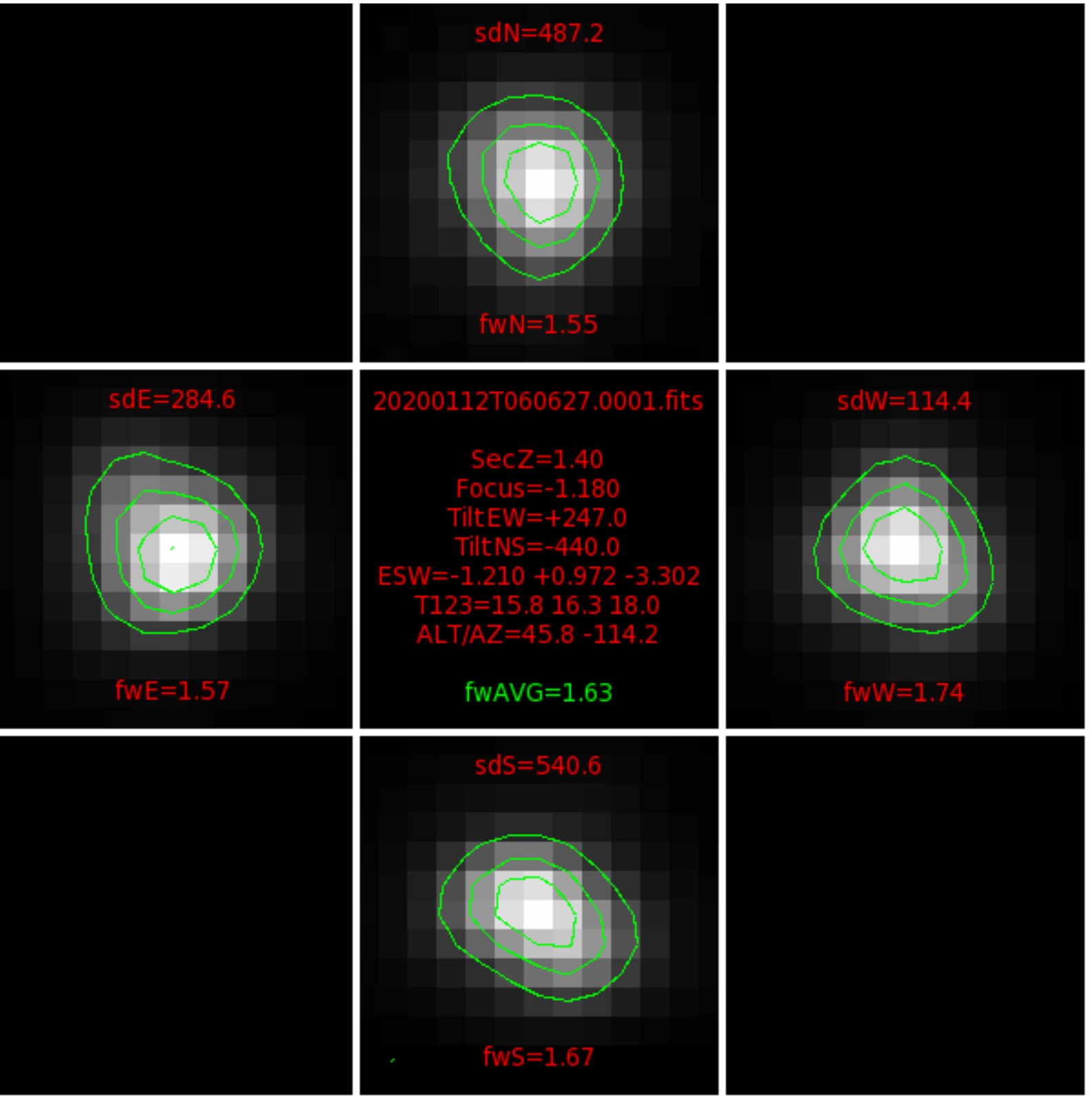
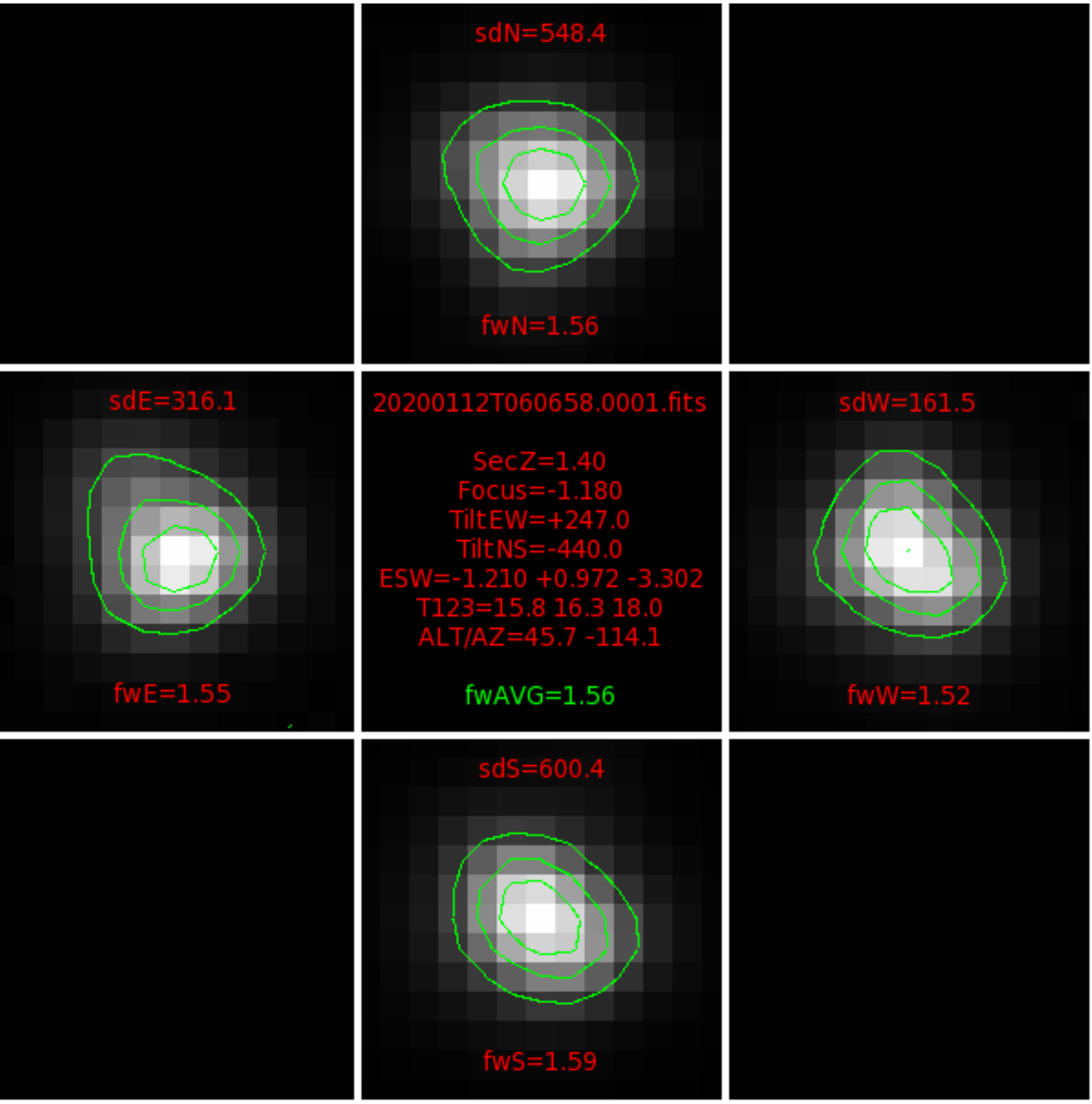

sdN=487.2
fwN=1.55
sdE=284.6
fwE=1.57
20200112T060627.0001.fits
SecZ=1.40
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.8 16.3 18.0
ALT/AZ=45.8 -114.2
fwAVG=1.63
sdW=114.4
fwW=1.74
sdS=540.6
fwS=1.67
0 0 0 0 0 0 0 0 0


sdN=548.4
fwN=1.56
sdE=316.1
fwE=1.55
20200112T060658.0001.fits
SecZ=1.40
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.8 16.3 18.0
ALT/AZ=45.7 -114.1
fwAVG=1.56
sdW=161.5
fwW=1.52
sdS=600.4
fwS=1.59
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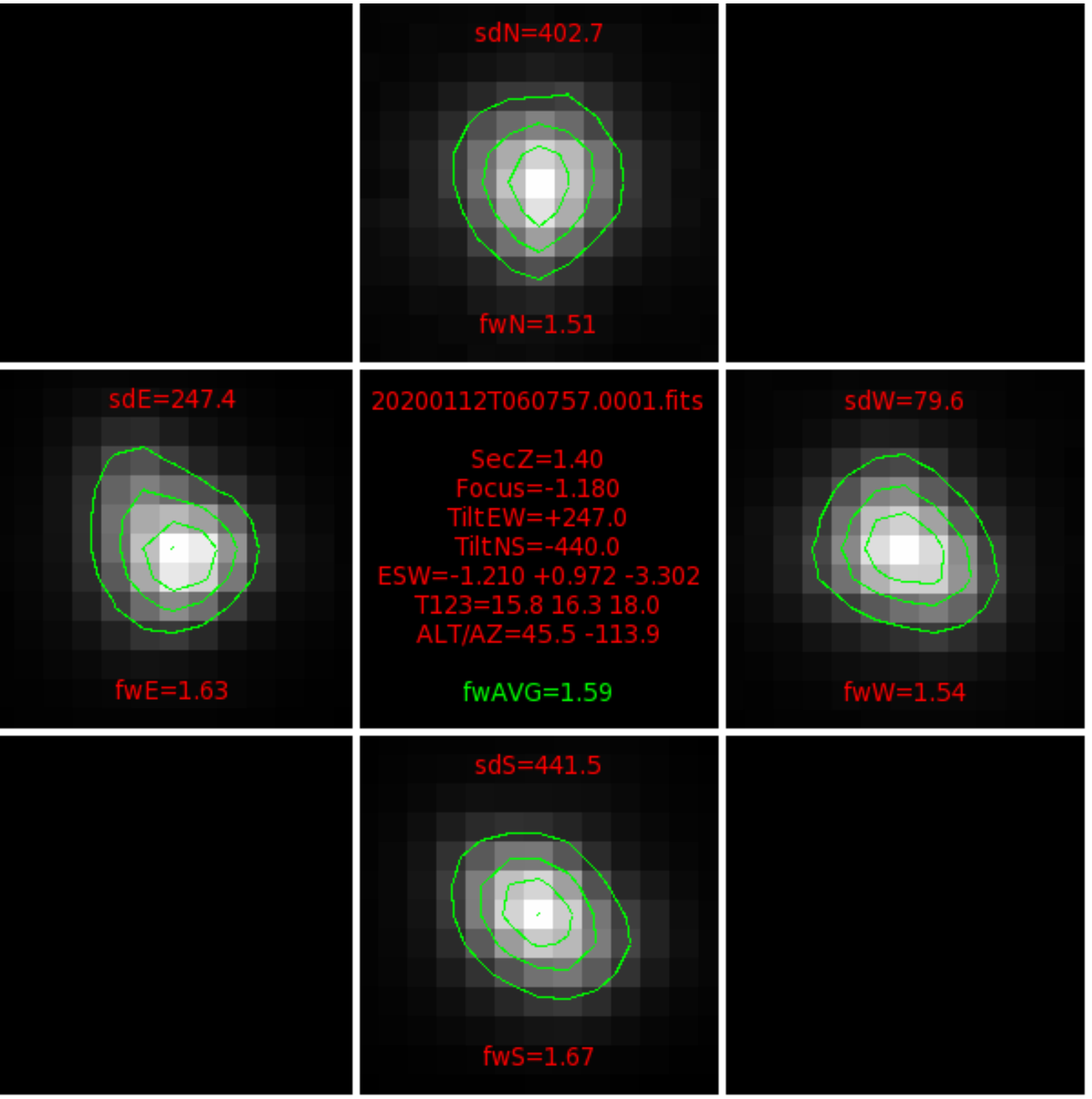
sdN=402.7
fwN=1.51
sdE=247.4
fwE=1.63
20200112T060757.0001.fits
SecZ=1.40
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.8 16.3 18.0
ALT/AZ=45.5 -113.9
fwAVG=1.59
sdW=79.6
fwW=1.54
sdS=441.5
fwS=1.67
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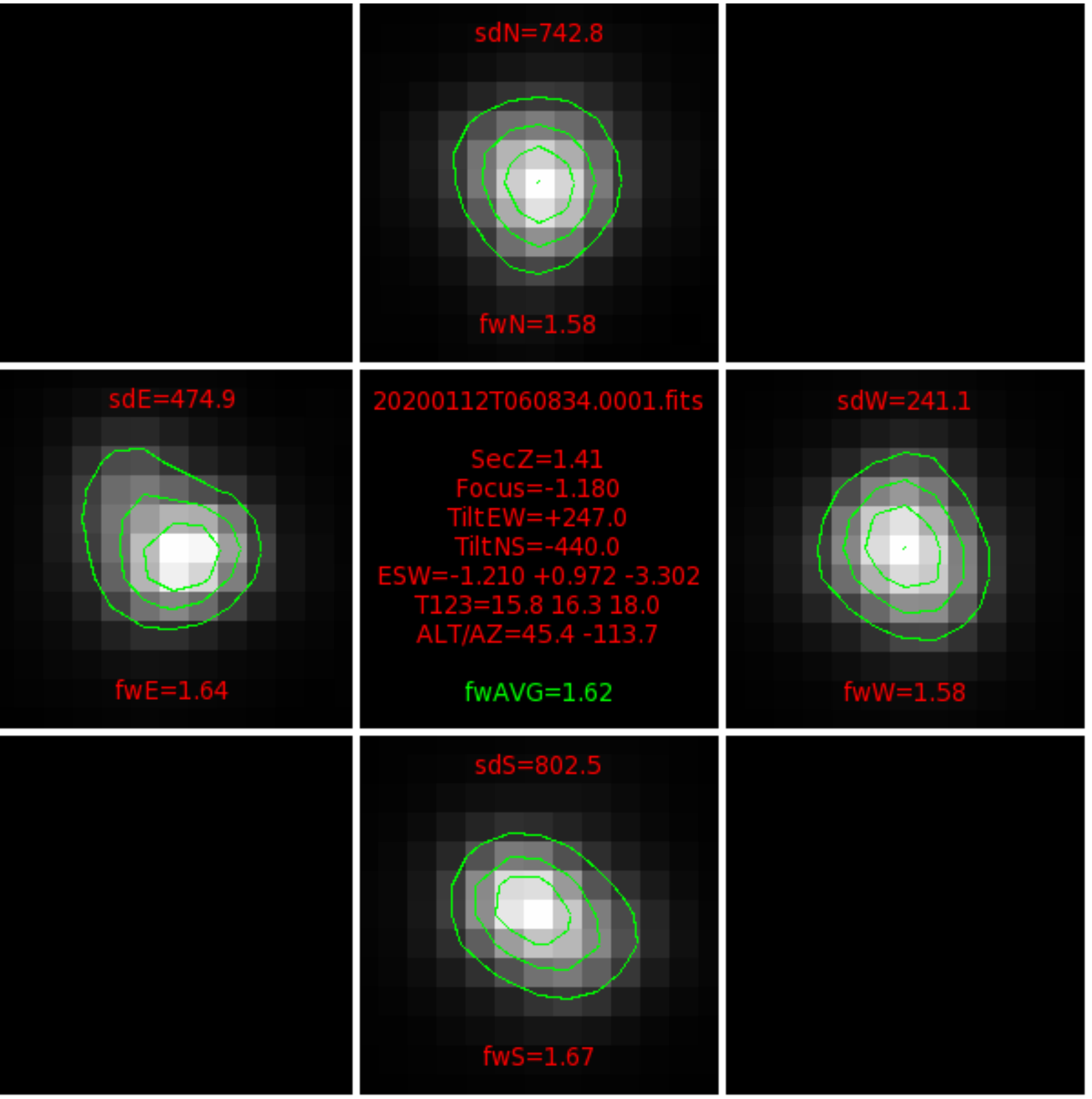
sdN=742.8
fwN=1.58
sdE=474.9
fwE=1.64
20200112T060834.0001.fits
SecZ=1.41
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.8 16.3 18.0
ALT/AZ=45.4 -113.7
fwAVG=1.62
sdW=241.1
fwW=1.58
sdS=802.5
fwS=1.67
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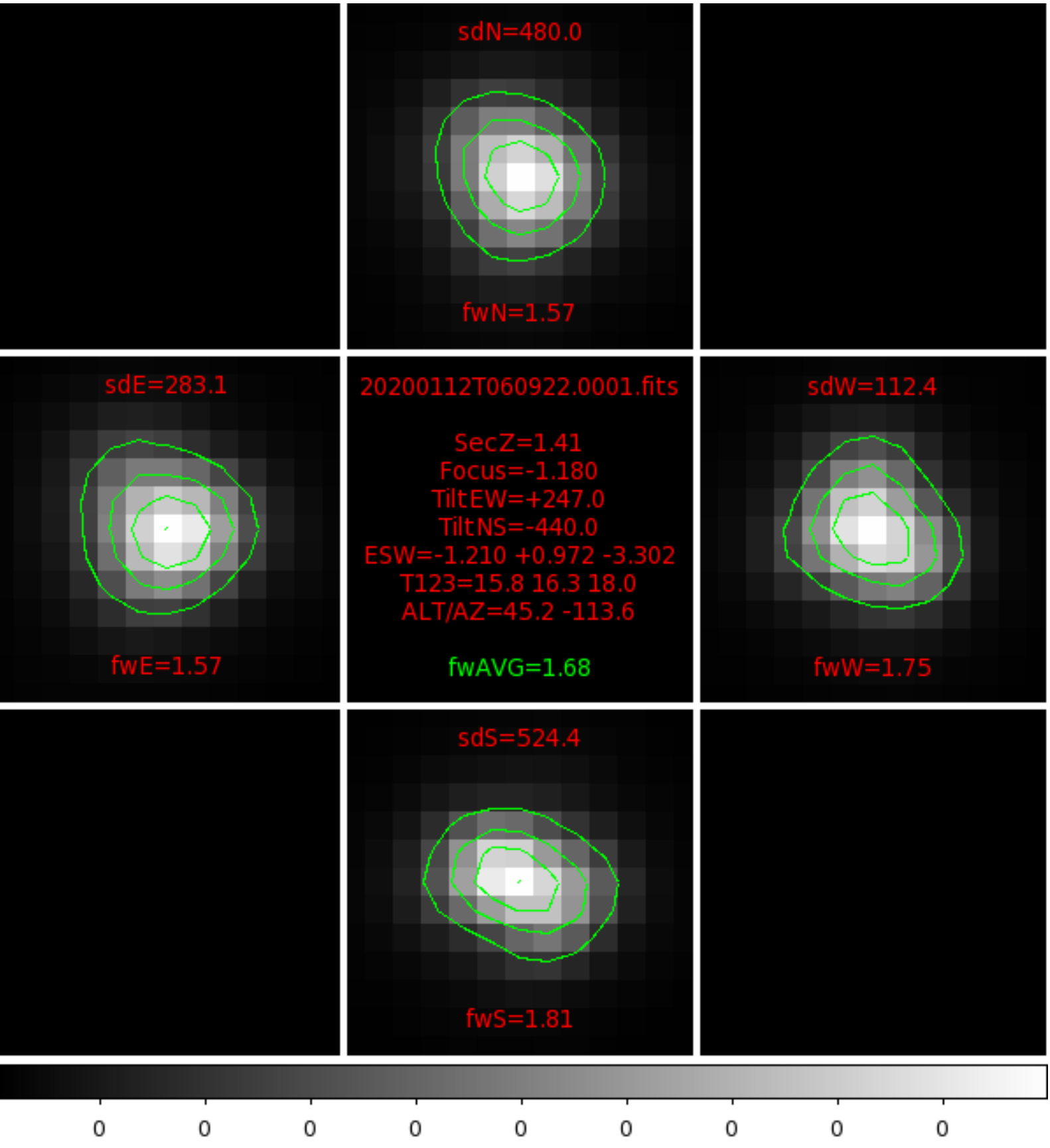
sdN=480.0
fwN=1.57
sdE=283.1
fwE=1.57
20200112T060922.0001.fits
SecZ=1.41
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.8 16.3 18.0
ALT/AZ=45.2 -113.6
fwAVG=1.68
sdW=112.4
fwW=1.75
sdS=524.4
fwS=1.81
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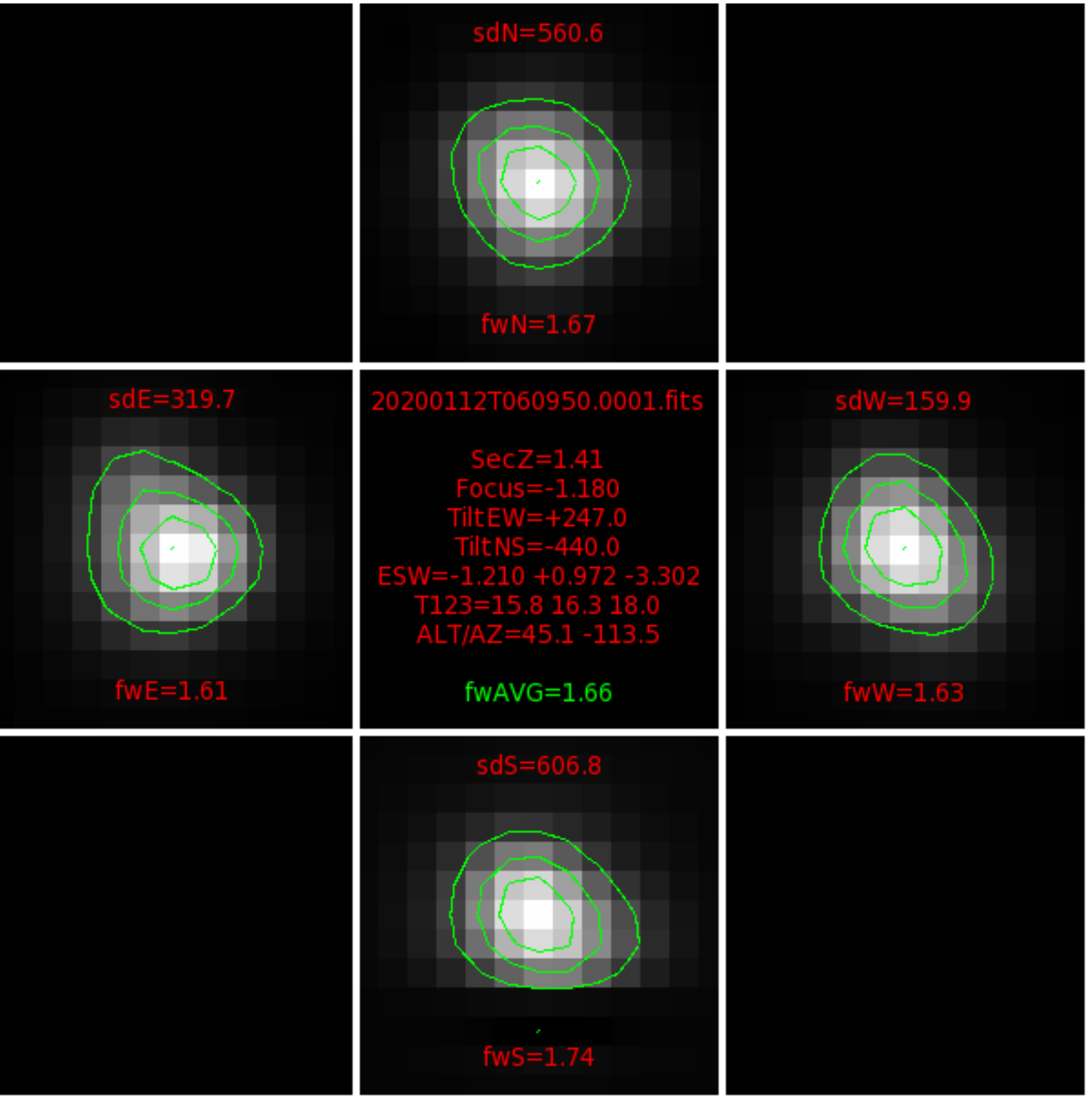
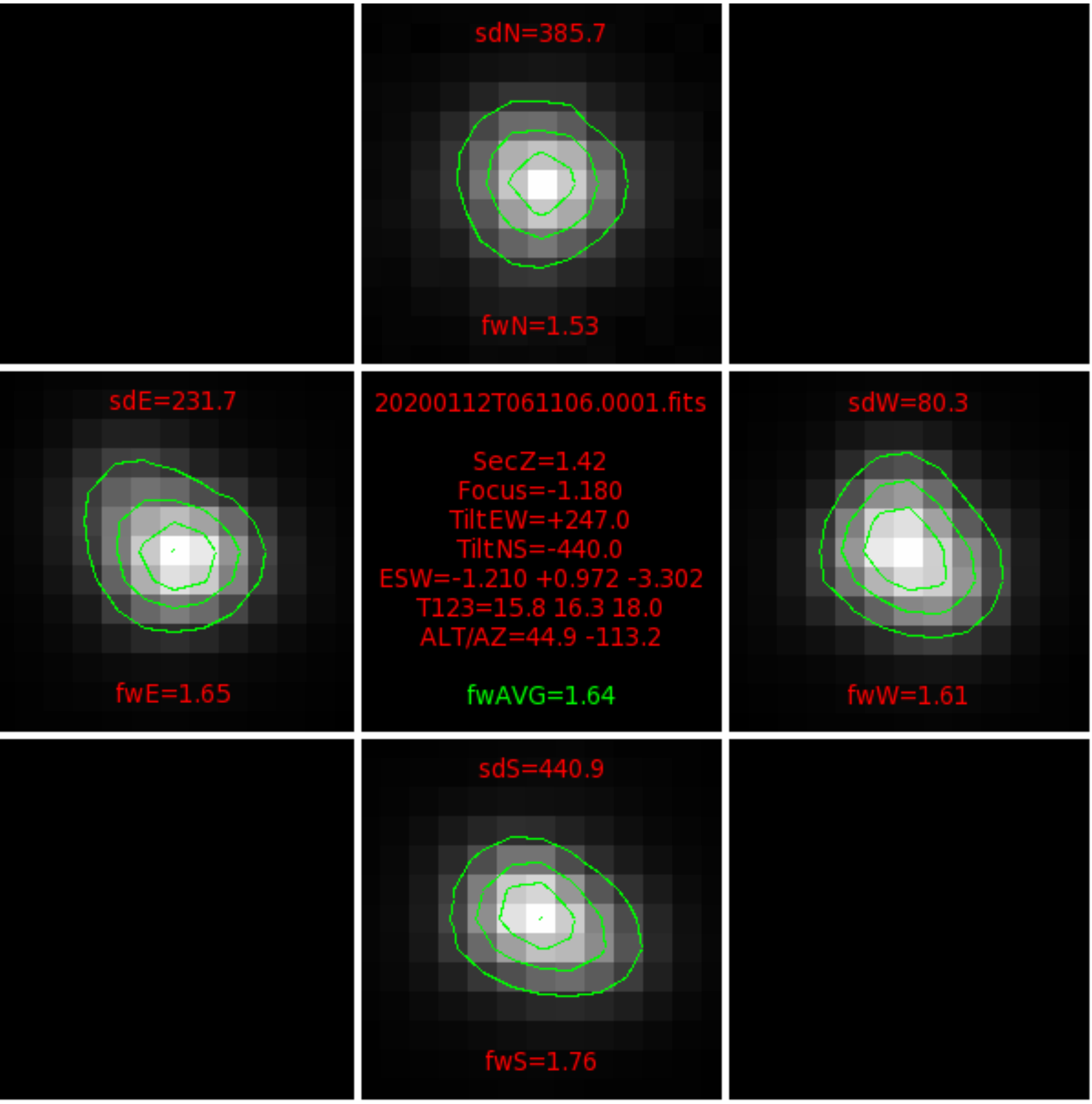
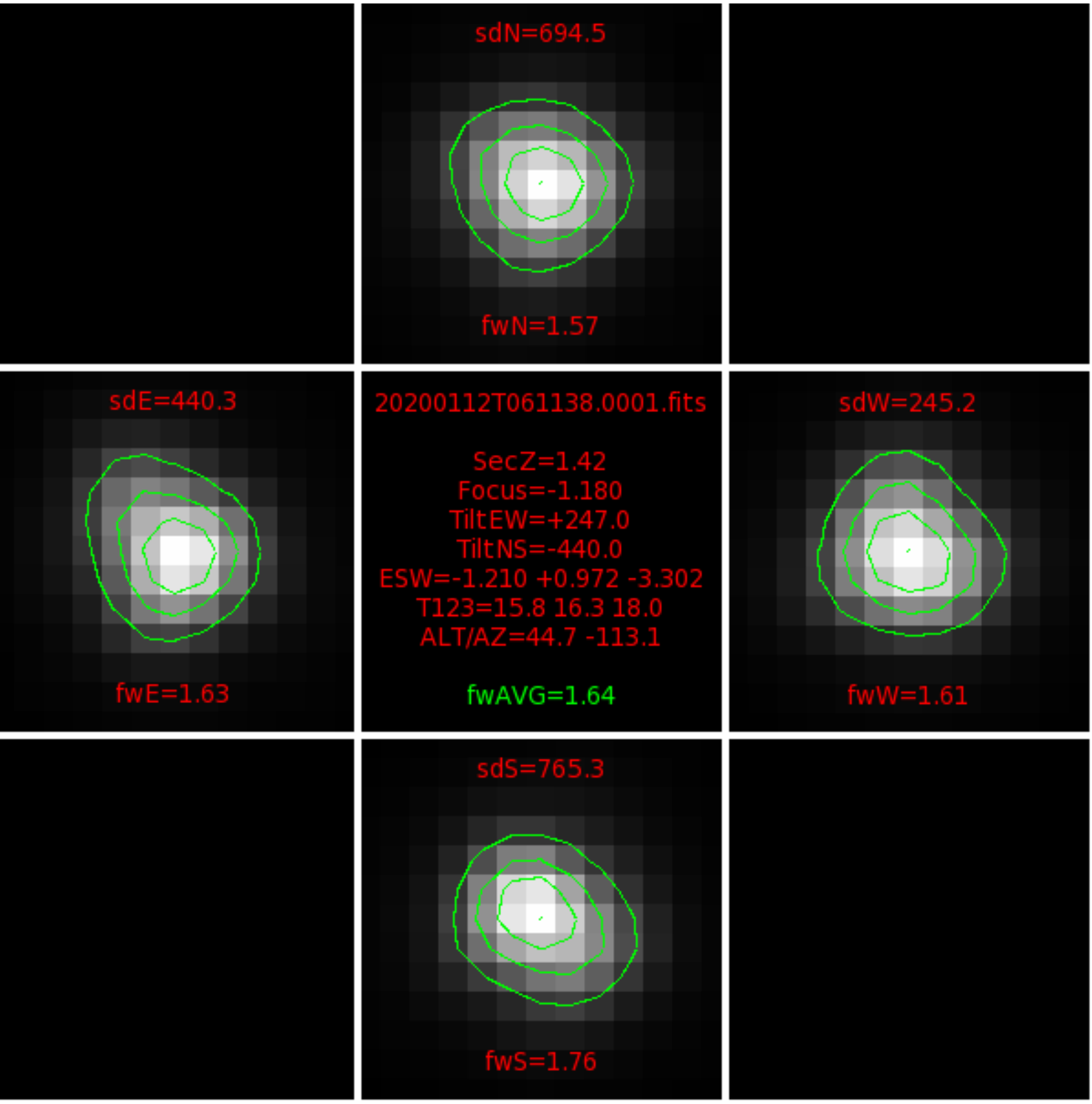
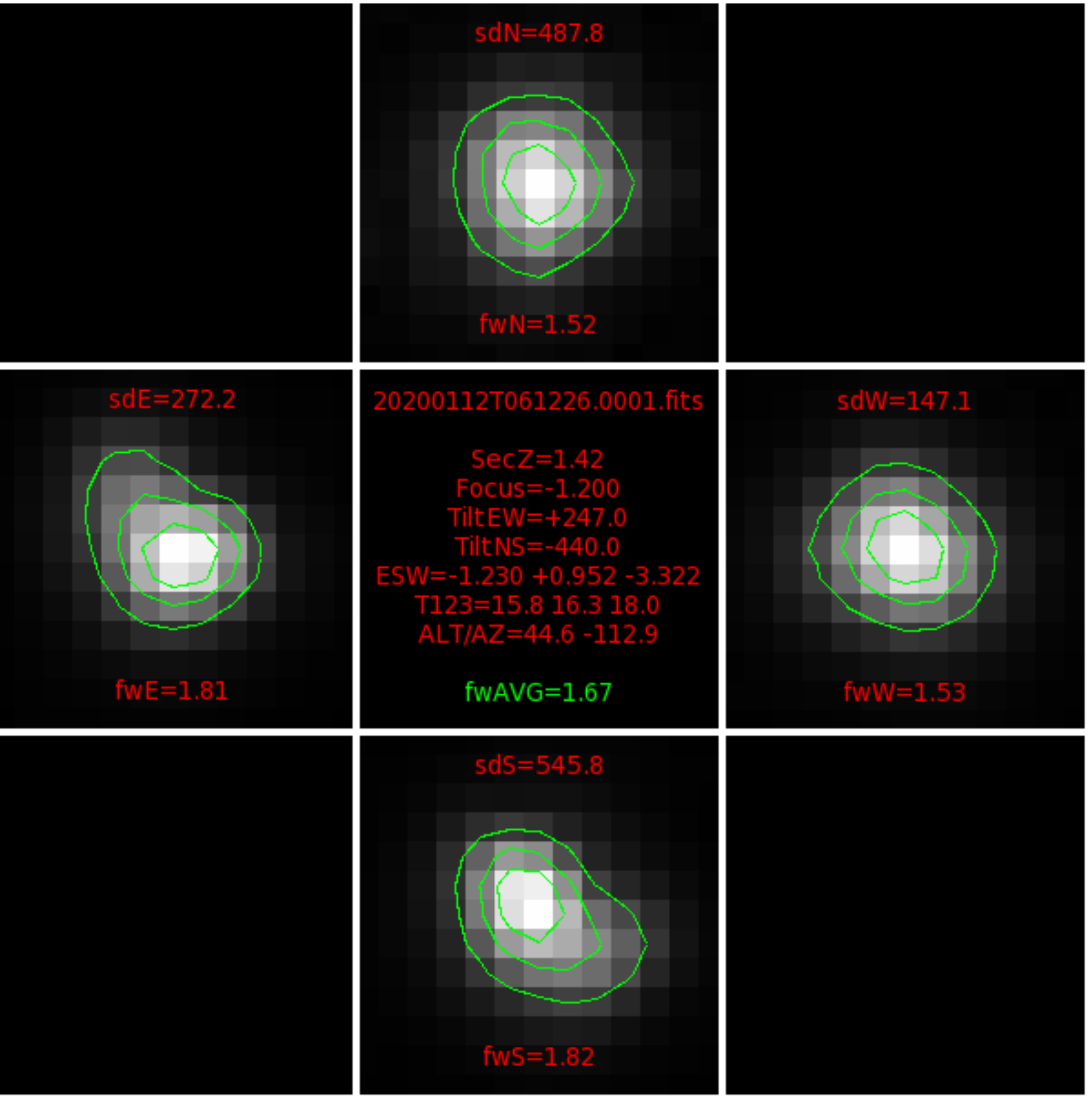
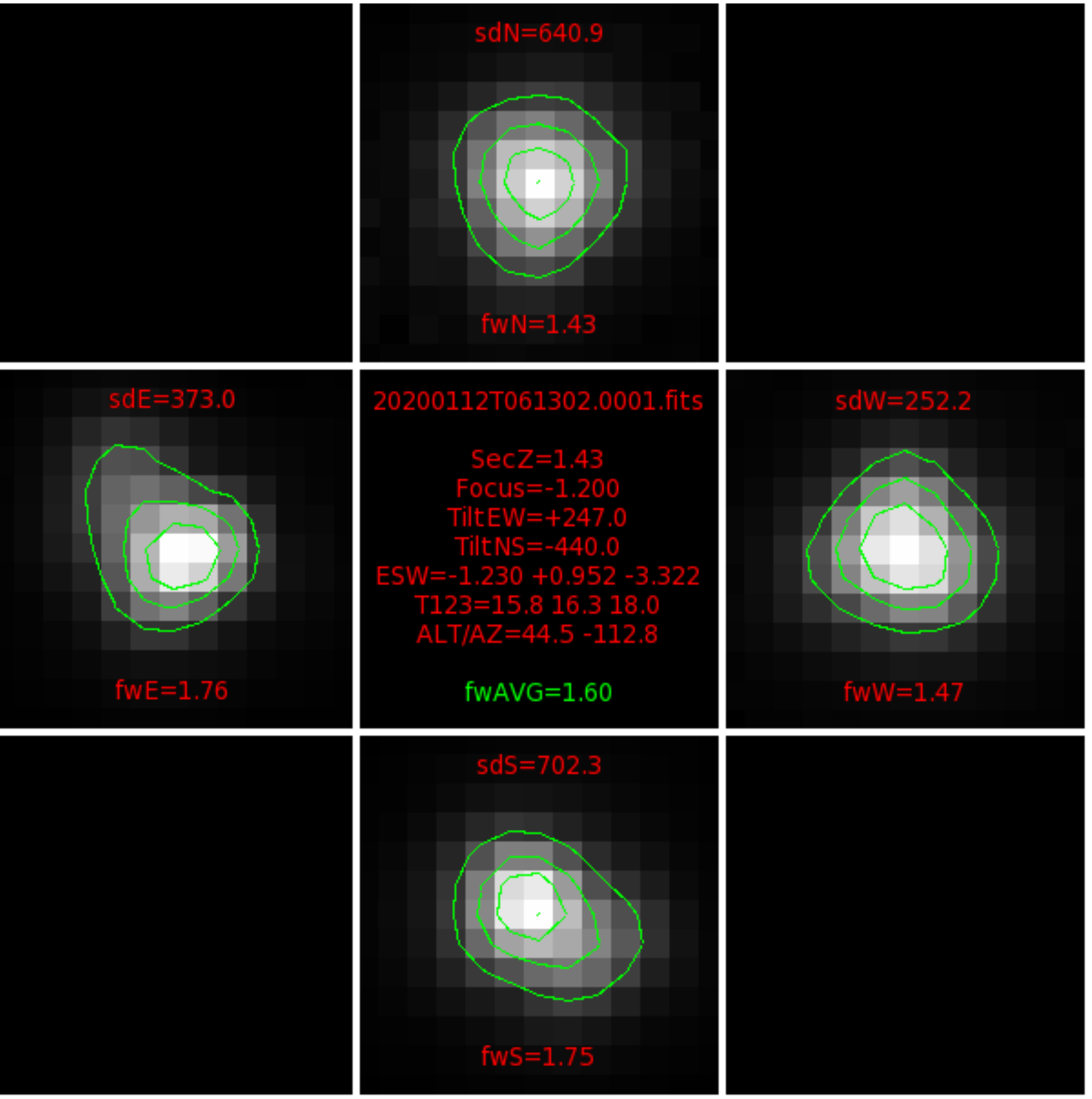

sdN=560.6
fwN=1.67
sdE=319.7
fwE=1.61
20200112T060950.0001.fits
SecZ=1.41
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.8 16.3 18.0
ALT/AZ=45.1 -113.5
fwAVG=1.66
sdW=159.9
fwW=1.63
sdS=606.8
fwS=1.74
0 0 0 0 0 0 0 0 0


sdN=385.7
fwN=1.53
sdE=231.7
fwE=1.65
20200112T061106.0001.fits
SecZ=1.42
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.8 16.3 18.0
ALT/AZ=44.9 -113.2
fwAVG=1.64
sdW=80.3
fwW=1.61
sdS=440.9
fwS=1.76
0 0 0 0 0 0 0 0 0


sdN=694.5
fwN=1.57
sdE=440.3
fwE=1.63
20200112T061138.0001.fits
SecZ=1.42
Focus=-1.180
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.210 +0.972 -3.302
T123=15.8 16.3 18.0
ALT/AZ=44.7 -113.1
fwAVG=1.64
sdW=245.2
fwW=1.61
sdS=765.3
fwS=1.76
0 0 0 0 0 0 0 0 0


sdN=487.8
fwN=1.52
sdE=272.2
fwE=1.81
20200112T061226.0001.fits
SecZ=1.42
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.8 16.3 18.0
ALT/AZ=44.6 -112.9
fwAVG=1.67
sdW=147.1
fwW=1.53
sdS=545.8
fwS=1.82
0 0 0 0 0 0 0 0 0


sdN=640.9
fwN=1.43
sdE=373.0
fwE=1.76
20200112T061302.0001.fits
SecZ=1.43
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.8 16.3 18.0
ALT/AZ=44.5 -112.8
fwAVG=1.60
sdW=252.2
fwW=1.47
sdS=702.3
fwS=1.75
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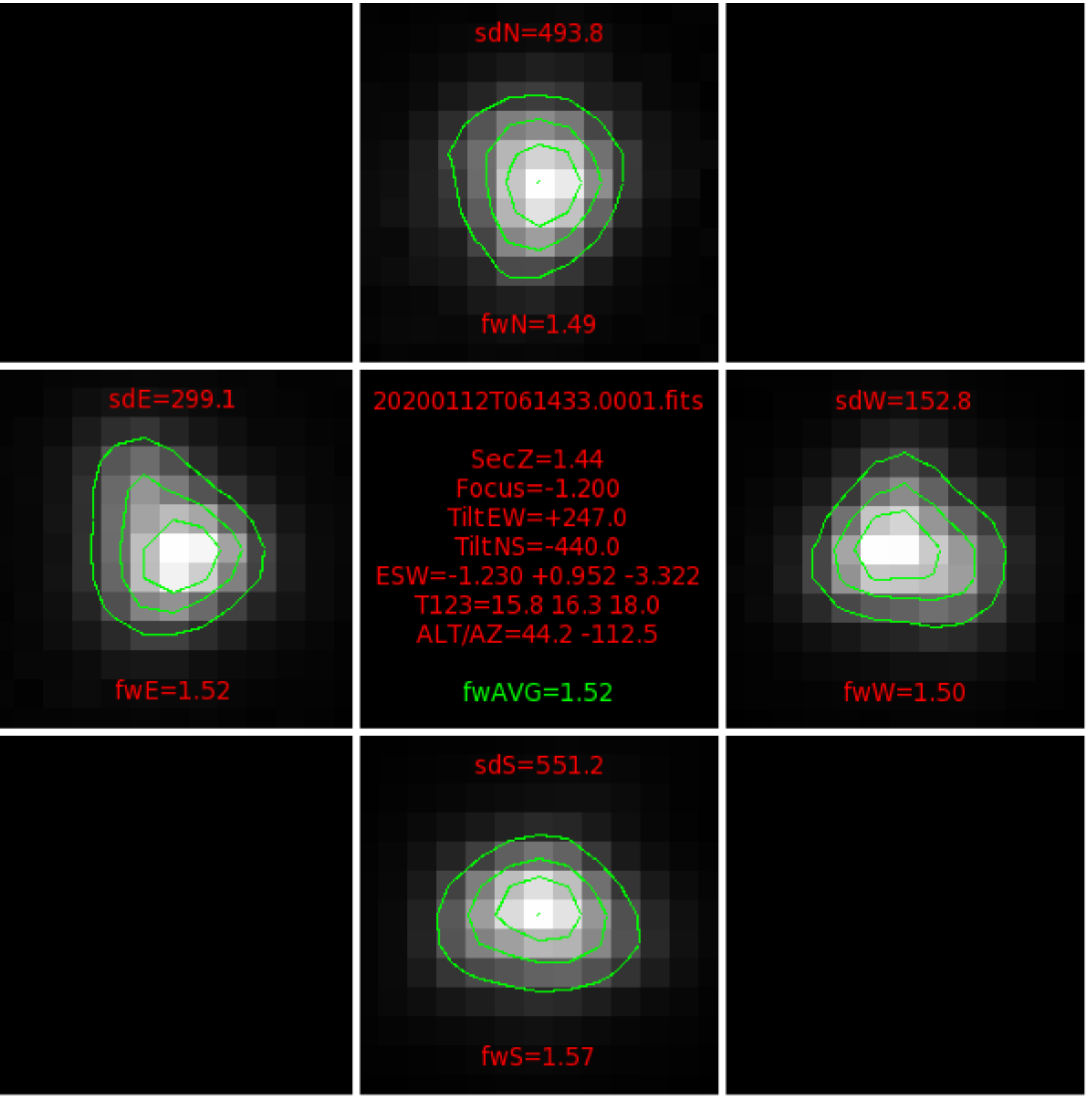
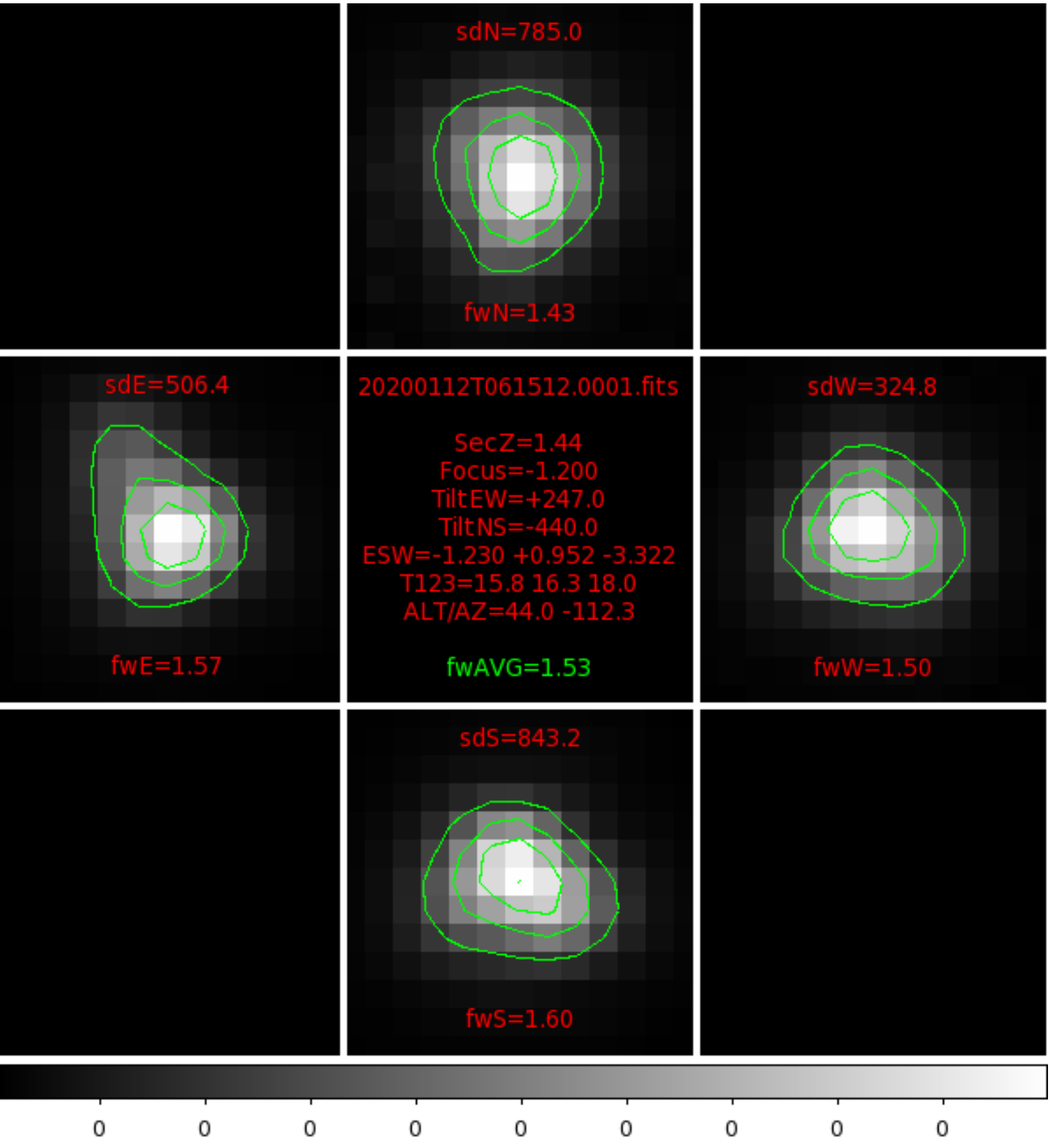

sdN=493.8
fwN=1.49
sdE=299.1
fwE=1.52
20200112T061433.0001.fits
SecZ=1.44
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.8 16.3 18.0
ALT/AZ=44.2 -112.5
fwAVG=1.52
sdW=152.8
fwW=1.50
sdS=551.2
fwS=1.57
0 0 0 0 0 0 0 0 0


sdN=785.0
fwN=1.43
sdE=506.4
fwE=1.57
20200112T061512.0001.fits
SecZ=1.44
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.8 16.3 18.0
ALT/AZ=44.0 -112.3
fwAVG=1.53
sdW=324.8
fwW=1.50
sdS=843.2
fwS=1.60
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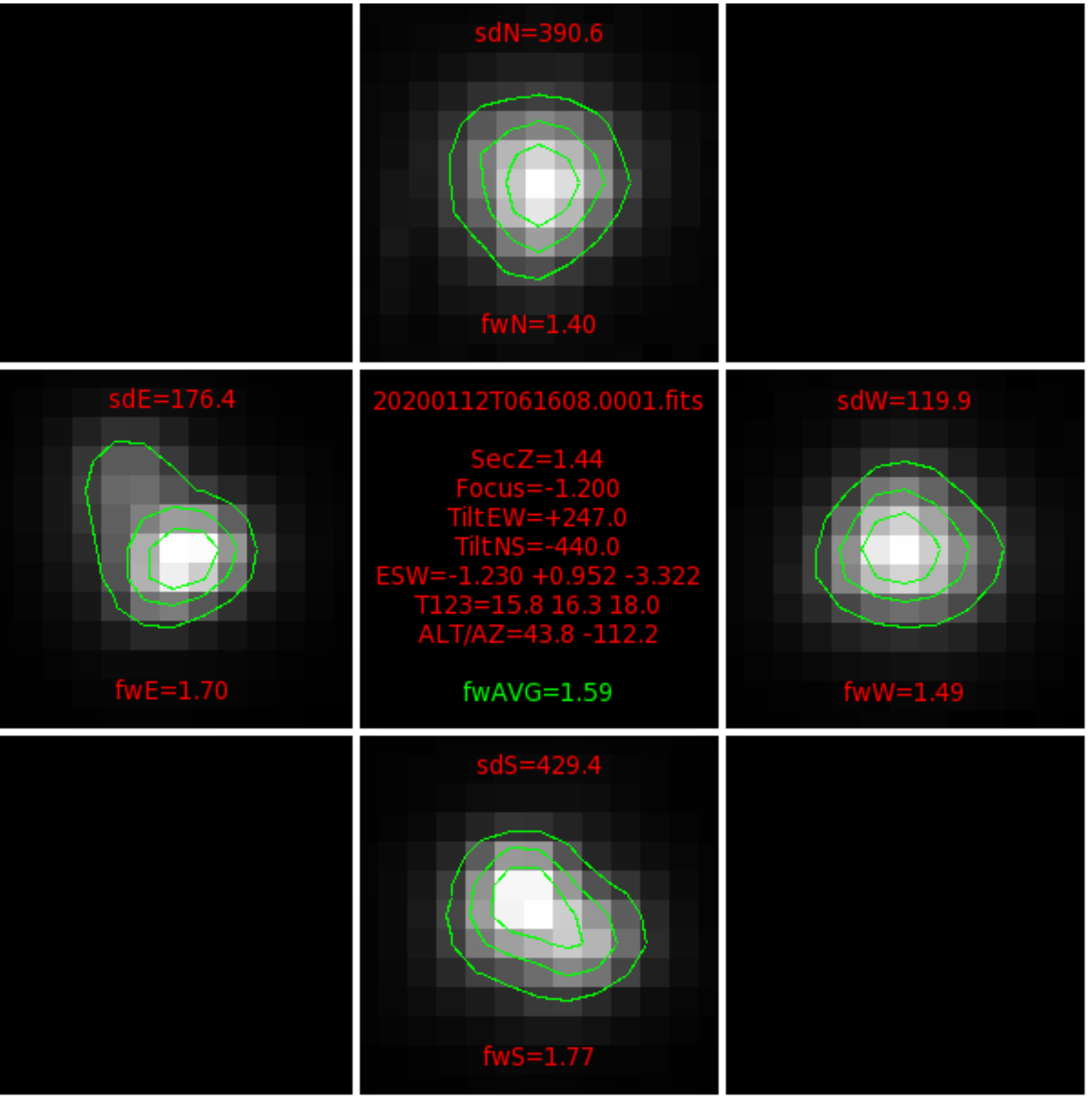
sdN=390.6
fwN=1.40
sdE=176.4
fwE=1.70
20200112T061608.0001.fits
SecZ=1.44
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.8 16.3 18.0
ALT/AZ=43.8 -112.2
fwAVG=1.59
sdW=119.9
fwW=1.49
sdS=429.4
fwS=1.77
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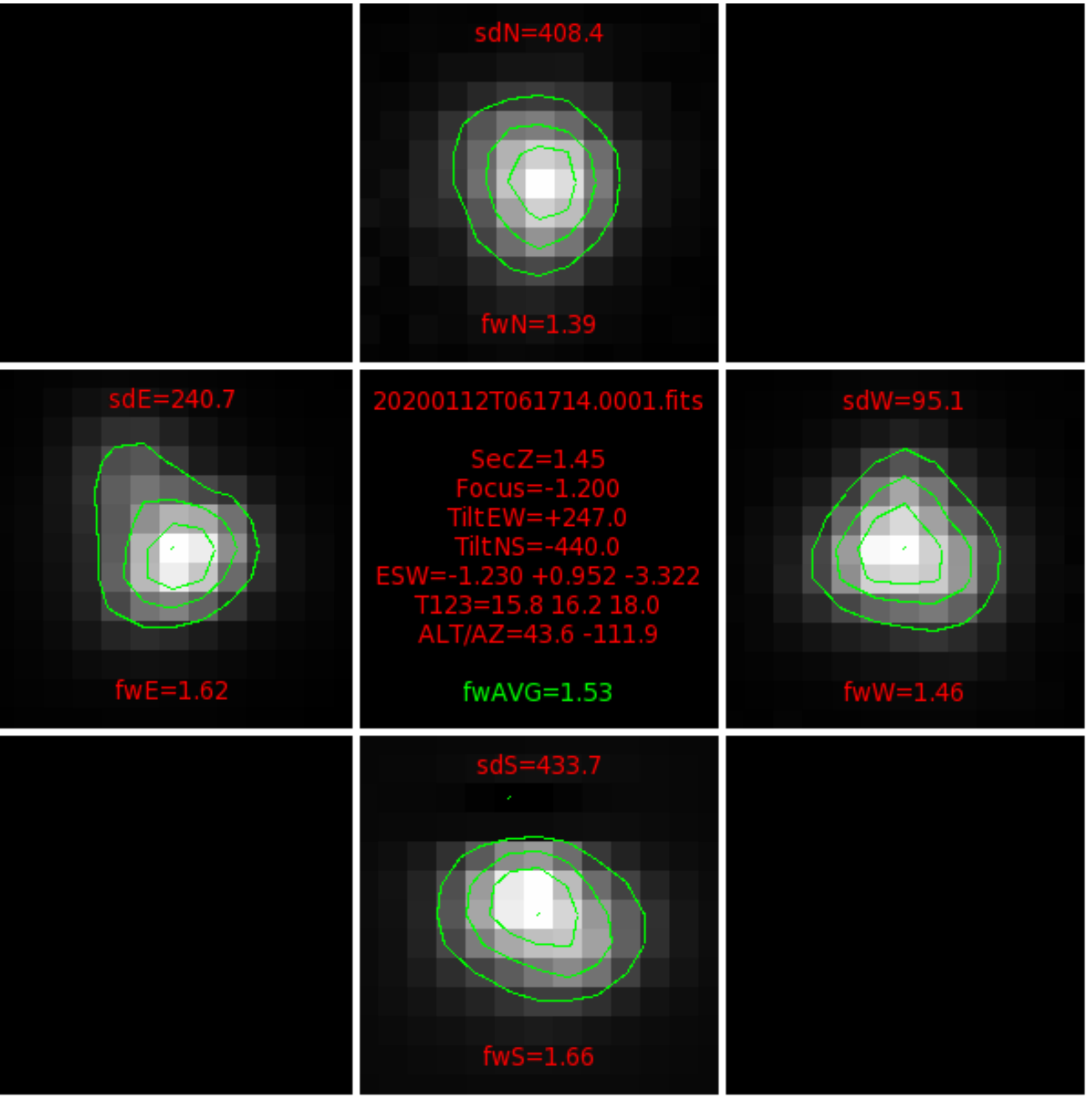
sdN=408.4
fwN=1.39
sdE=240.7
fwE=1.62
20200112T061714.0001.fits
SecZ=1.45
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.8 16.2 18.0
ALT/AZ=43.6 -111.9
fwAVG=1.53
sdW=95.1
fwW=1.46
sdS=433.7
fwS=1.66
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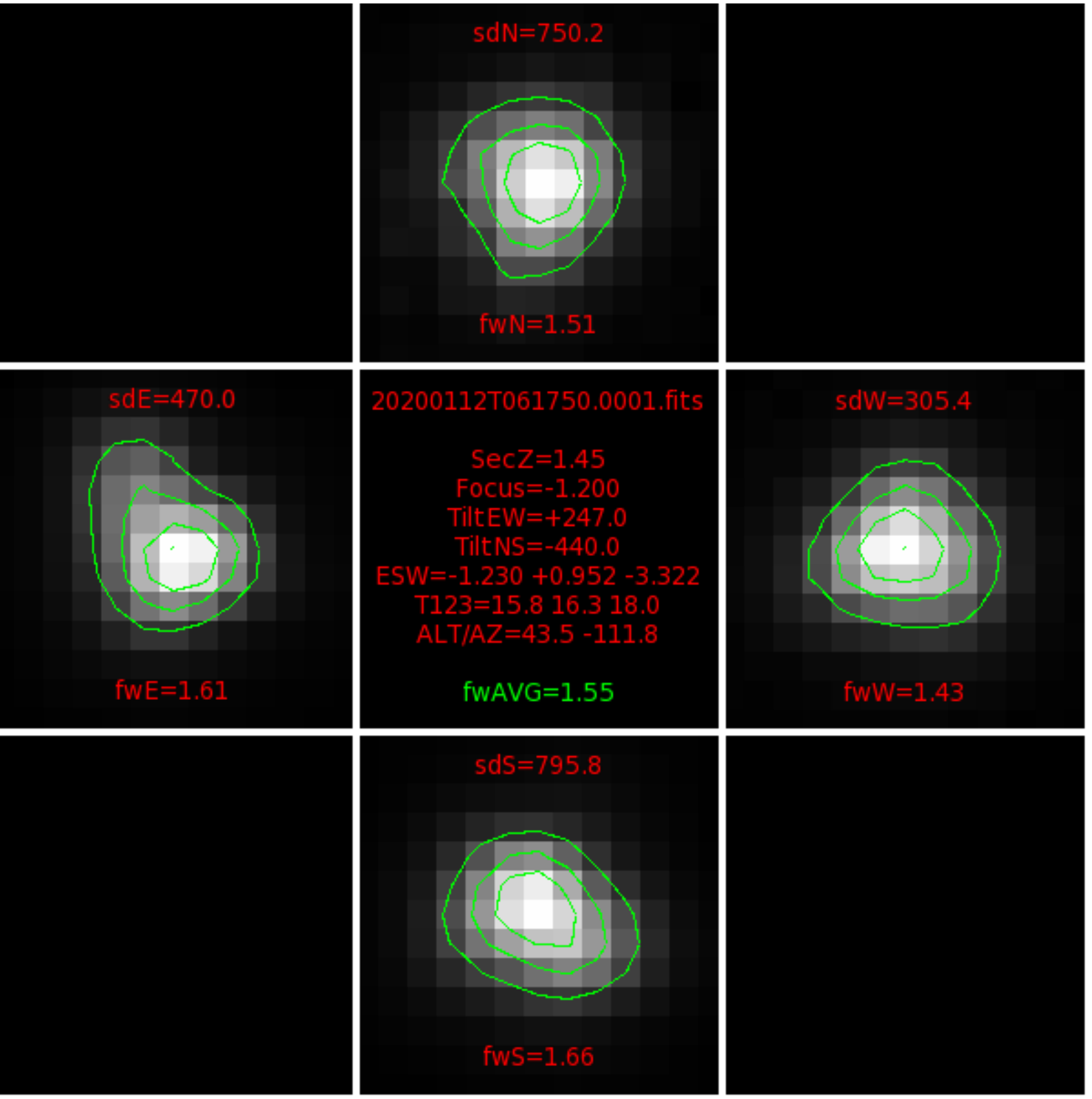
sdN=750.2
fwN=1.51
sdE=470.0
fwE=1.61
20200112T061750.0001.fits
SecZ=1.45
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.8 16.3 18.0
ALT/AZ=43.5 -111.8
fwAVG=1.55
sdW=305.4
fwW=1.43
sdS=795.8
fwS=1.66
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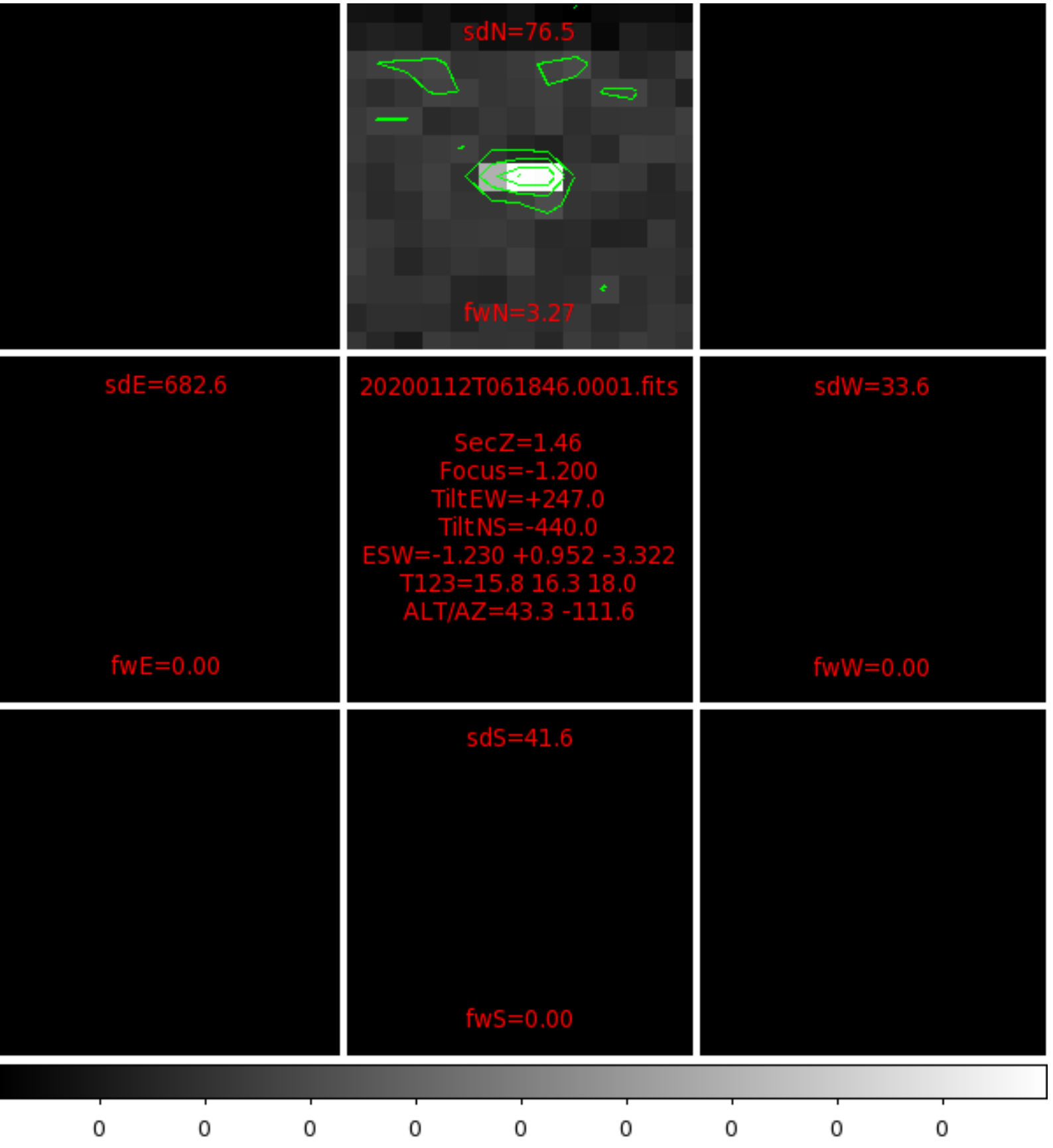
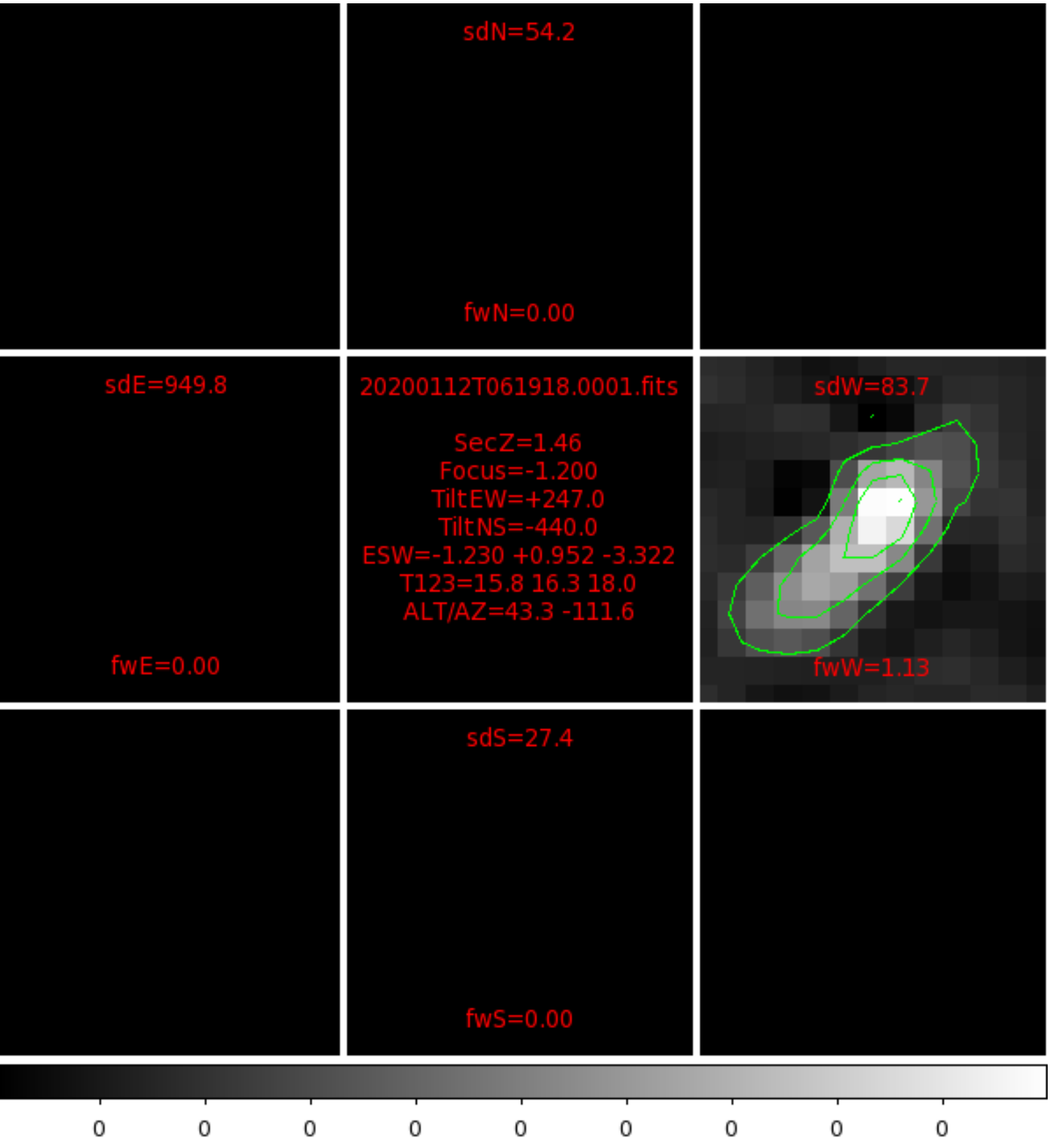
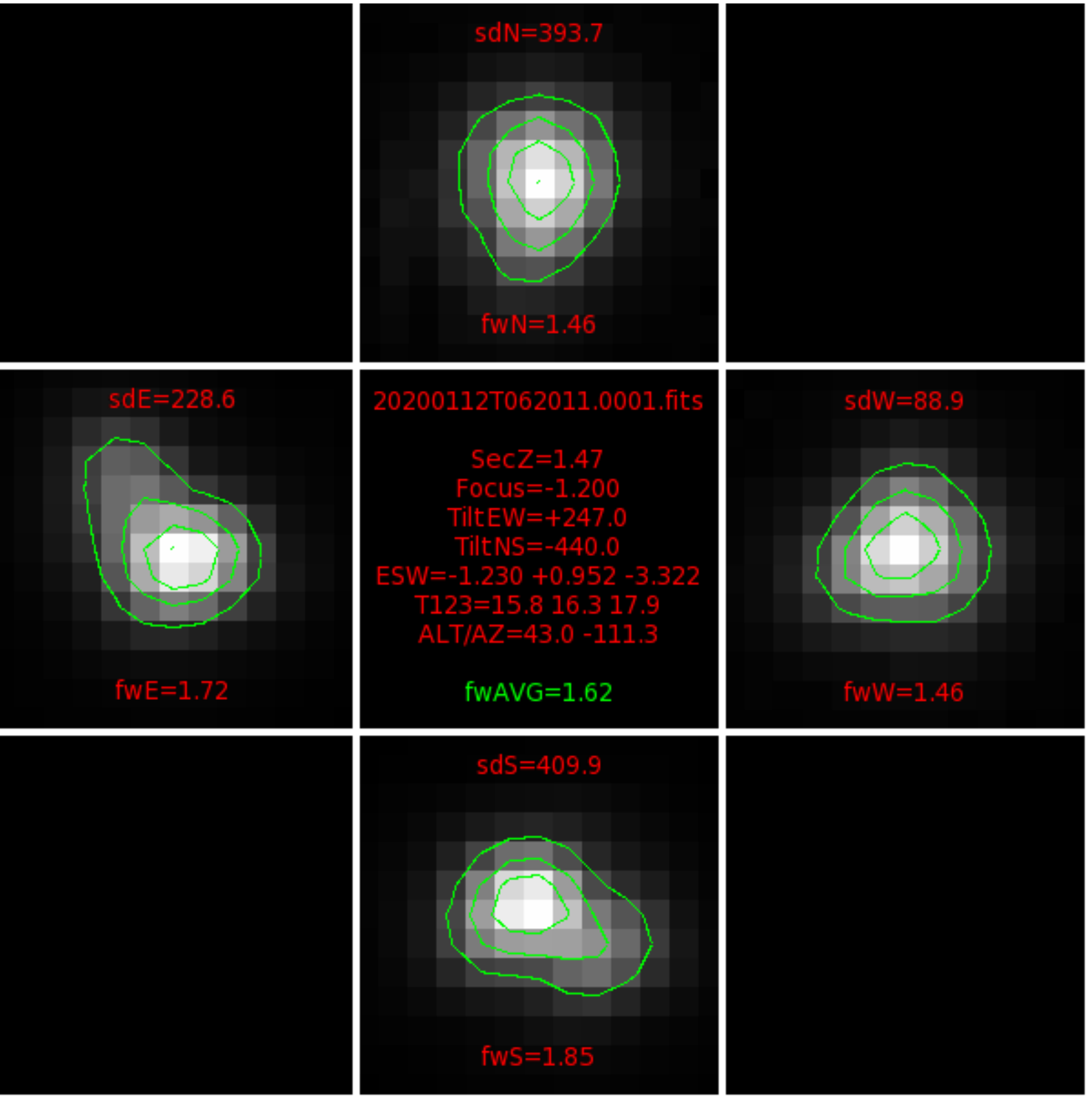

sdN=76.5
fwN=3.27
sdE=682.6
20200112T061846.0001.fits
SecZ=1.46
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.8 16.3 18.0
ALT/AZ=43.3 -111.6
sdW=33.6
fwE=0.00
fwW=0.00
sdS=41.6
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=54.2
fwN=0.00
sdE=949.8
fwE=0.00
20200112T061918.0001.fits
SecZ=1.46
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.8 16.3 18.0
ALT/AZ=43.3 -111.6
sdW=83.7
fwW=1.13
sdS=27.4
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=393.7
fwN=1.46
sdE=228.6
fwE=1.72
20200112T062011.0001.fits
SecZ=1.47
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.8 16.3 17.9
ALT/AZ=43.0 -111.3
fwAVG=1.62
sdW=88.9
fwW=1.46
sdS=409.9
fwS=1.85
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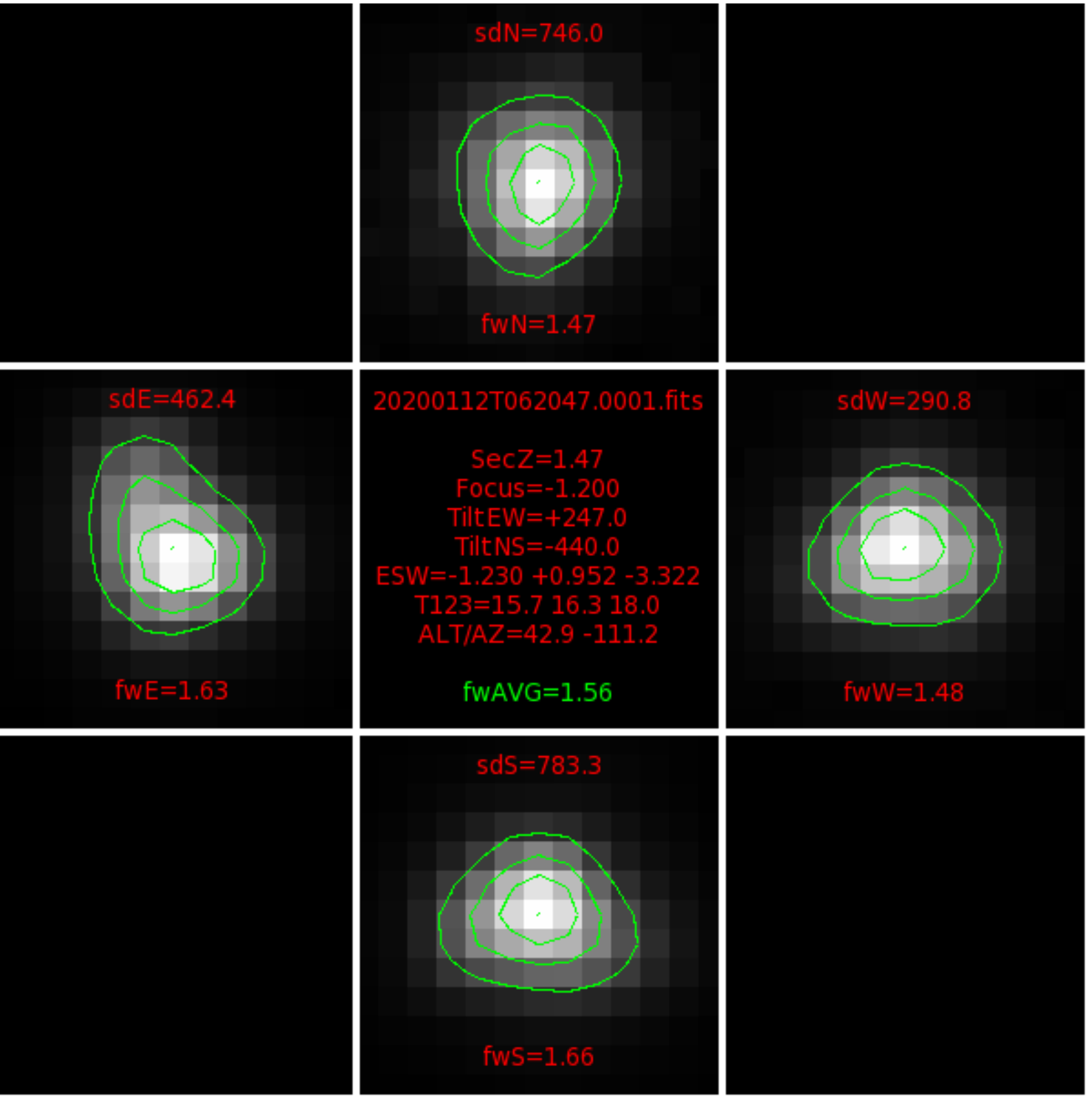
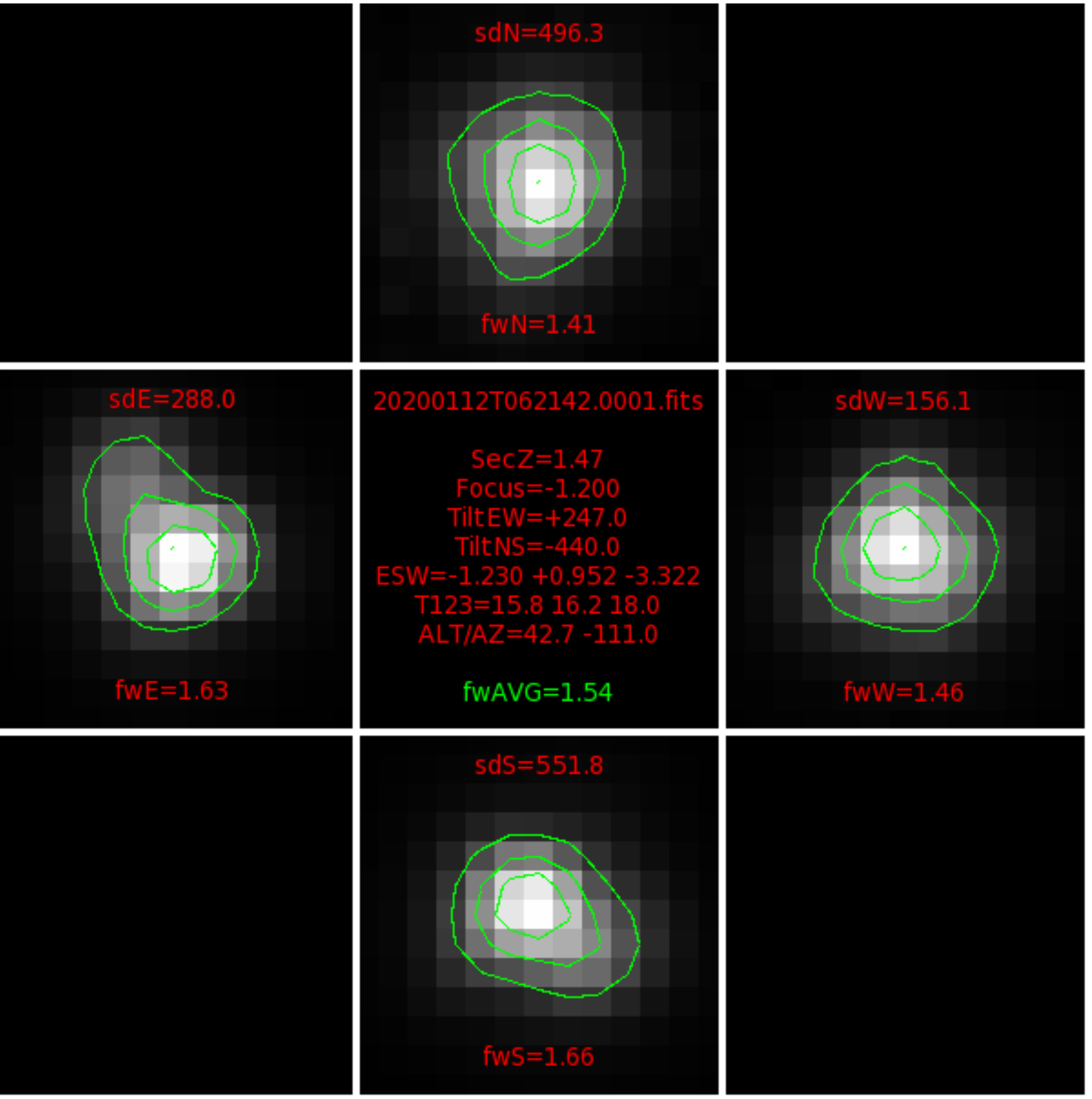

sdN=746.0
fwN=1.47
sdE=462.4
fwE=1.63
20200112T062047.0001.fits
SecZ=1.47
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.7 16.3 18.0
ALT/AZ=42.9 -111.2
fwAVG=1.56
sdW=290.8
fwW=1.48
sdS=783.3
fwS=1.66
0 0 0 0 0 0 0 0 0


sdN=496.3
fwN=1.41
sdE=288.0
fwE=1.63
20200112T062142.0001.fits
SecZ=1.47
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.8 16.2 18.0
ALT/AZ=42.7 -111.0
fwAVG=1.54
sdW=156.1
fwW=1.46
sdS=551.8
fwS=1.66
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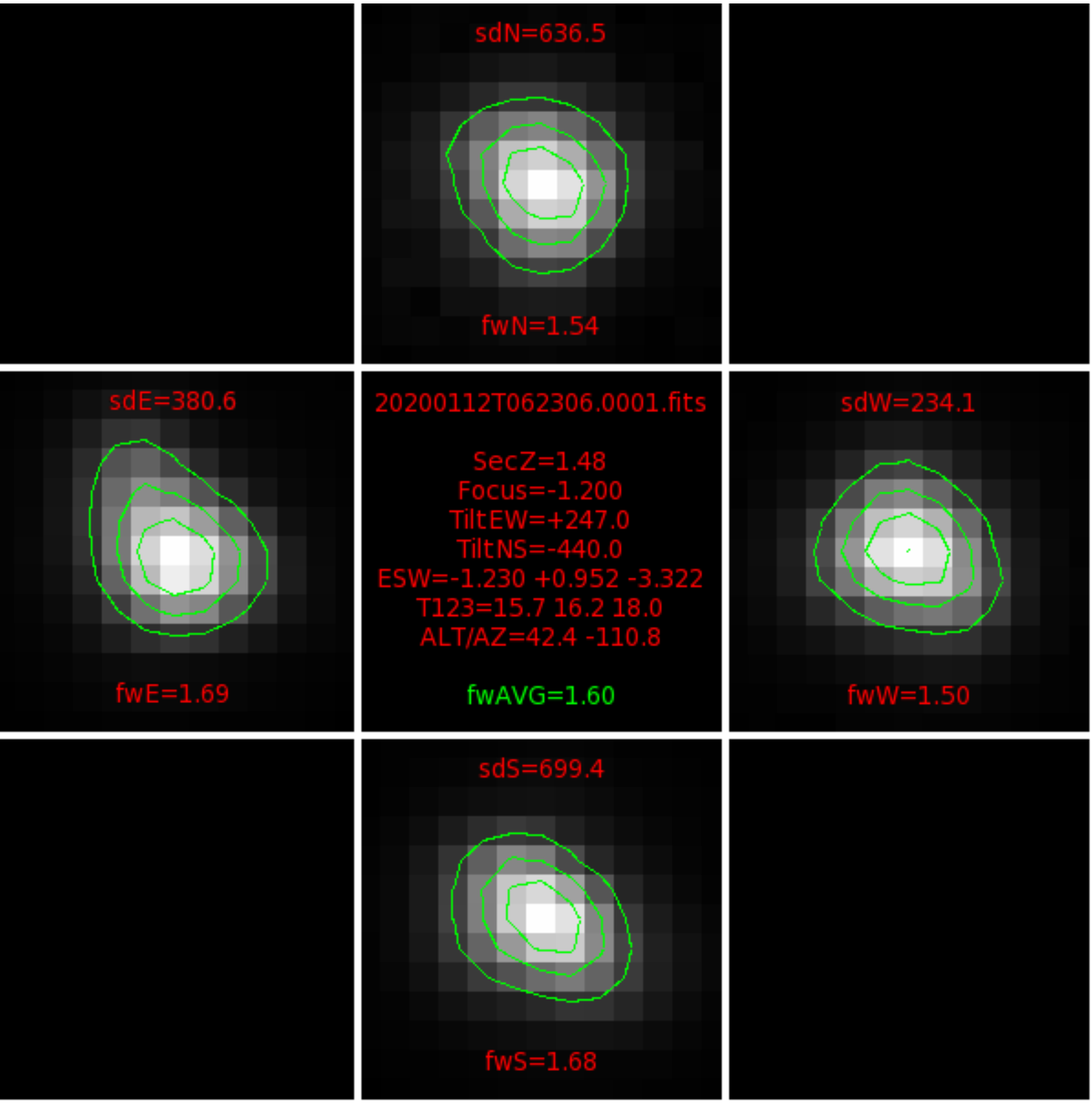
sdN=636.5
fwN=1.54
sdE=380.6
fwE=1.69
20200112T062306.0001.fits
SecZ=1.48
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.7 16.2 18.0
ALT/AZ=42.4 -110.8
fwAVG=1.60
sdW=234.1
fwW=1.50
sdS=699.4
fwS=1.68
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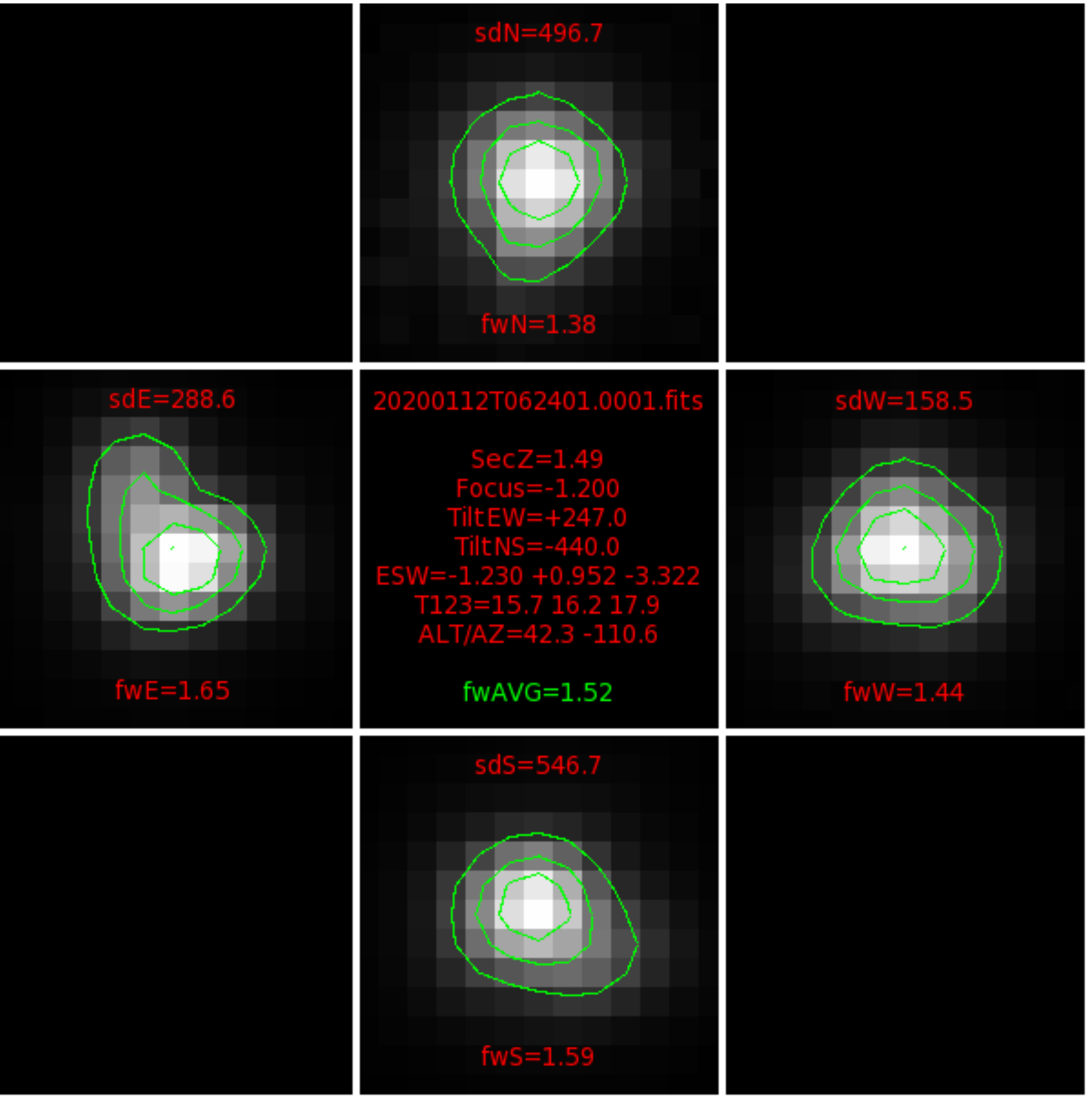
sdN=496.7
fwN=1.38
sdE=288.6
fwE=1.65
20200112T062401.0001.fits
SecZ=1.49
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.7 16.2 17.9
ALT/AZ=42.3 -110.6
fwAVG=1.52
sdW=158.5
fwW=1.44
sdS=546.7
fwS=1.59
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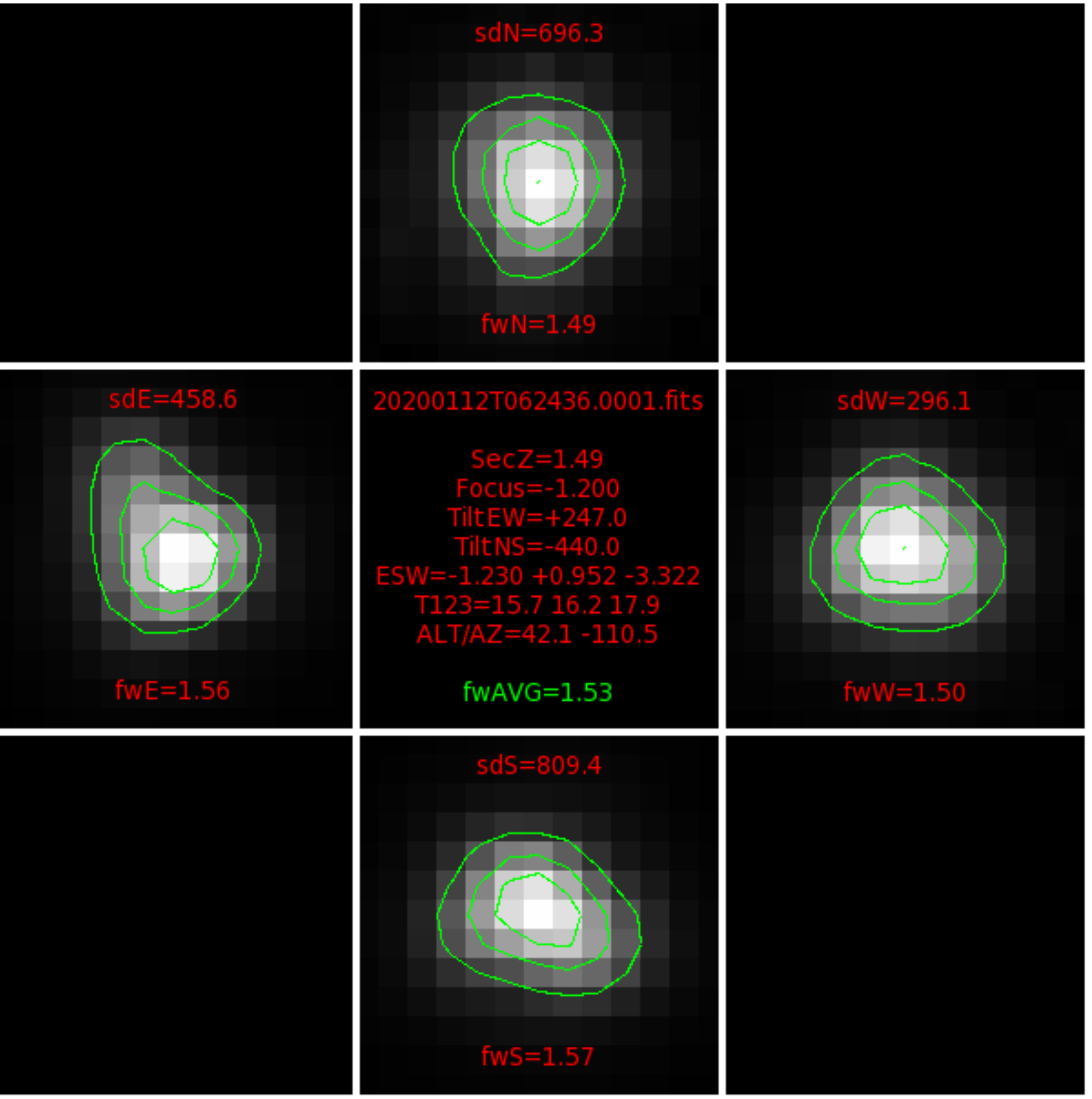
sdN=696.3
fwN=1.49
sdE=458.6
fwE=1.56
20200112T062436.0001.fits
SecZ=1.49
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.7 16.2 17.9
ALT/AZ=42.1 -110.5
fwAVG=1.53
sdW=296.1
fwW=1.50
sdS=809.4
fwS=1.57
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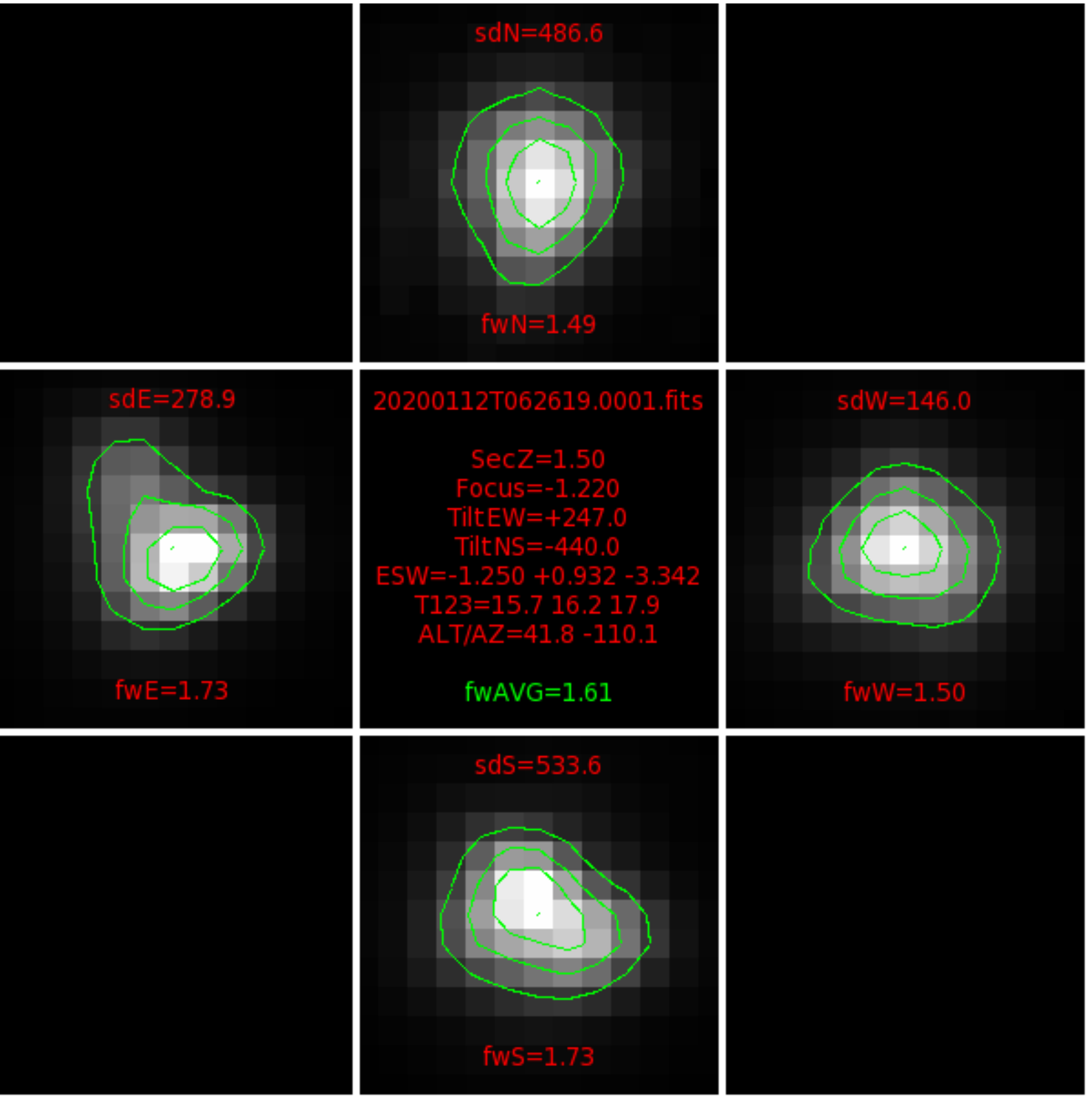
sdN=486.6
fwN=1.49
sdE=278.9
fwE=1.73
20200112T062619.0001.fits
SecZ=1.50
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.7 16.2 17.9
ALT/AZ=41.8 -110.1
fwAVG=1.61
sdW=146.0
fwW=1.50
sdS=533.6
fwS=1.73
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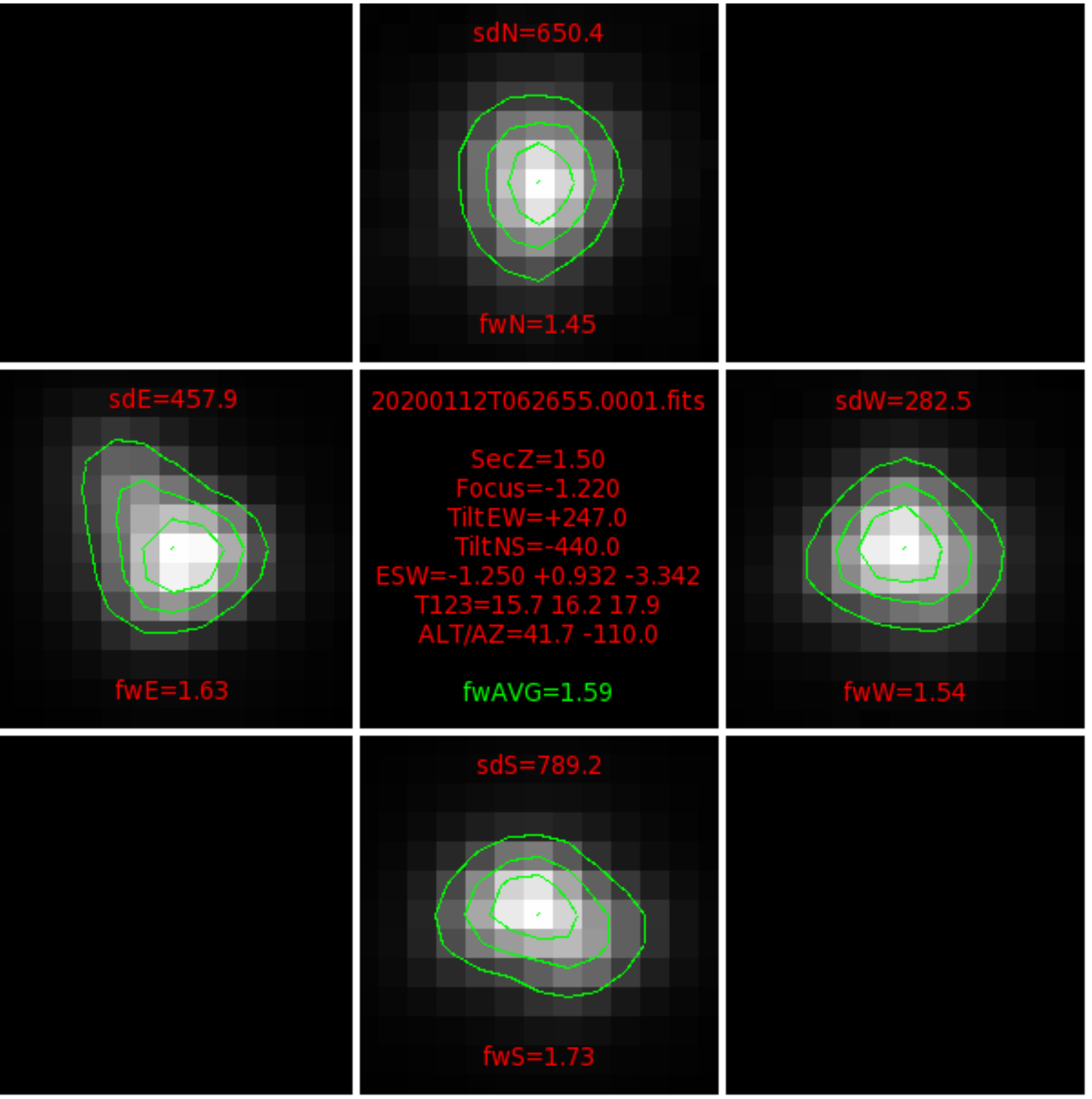
sdN=650.4
fwN=1.45
sdE=457.9
fwE=1.63
20200112T062655.0001.fits
SecZ=1.50
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.7 16.2 17.9
ALT/AZ=41.7 -110.0
fwAVG=1.59
sdW=282.5
fwW=1.54
sdS=789.2
fwS=1.73
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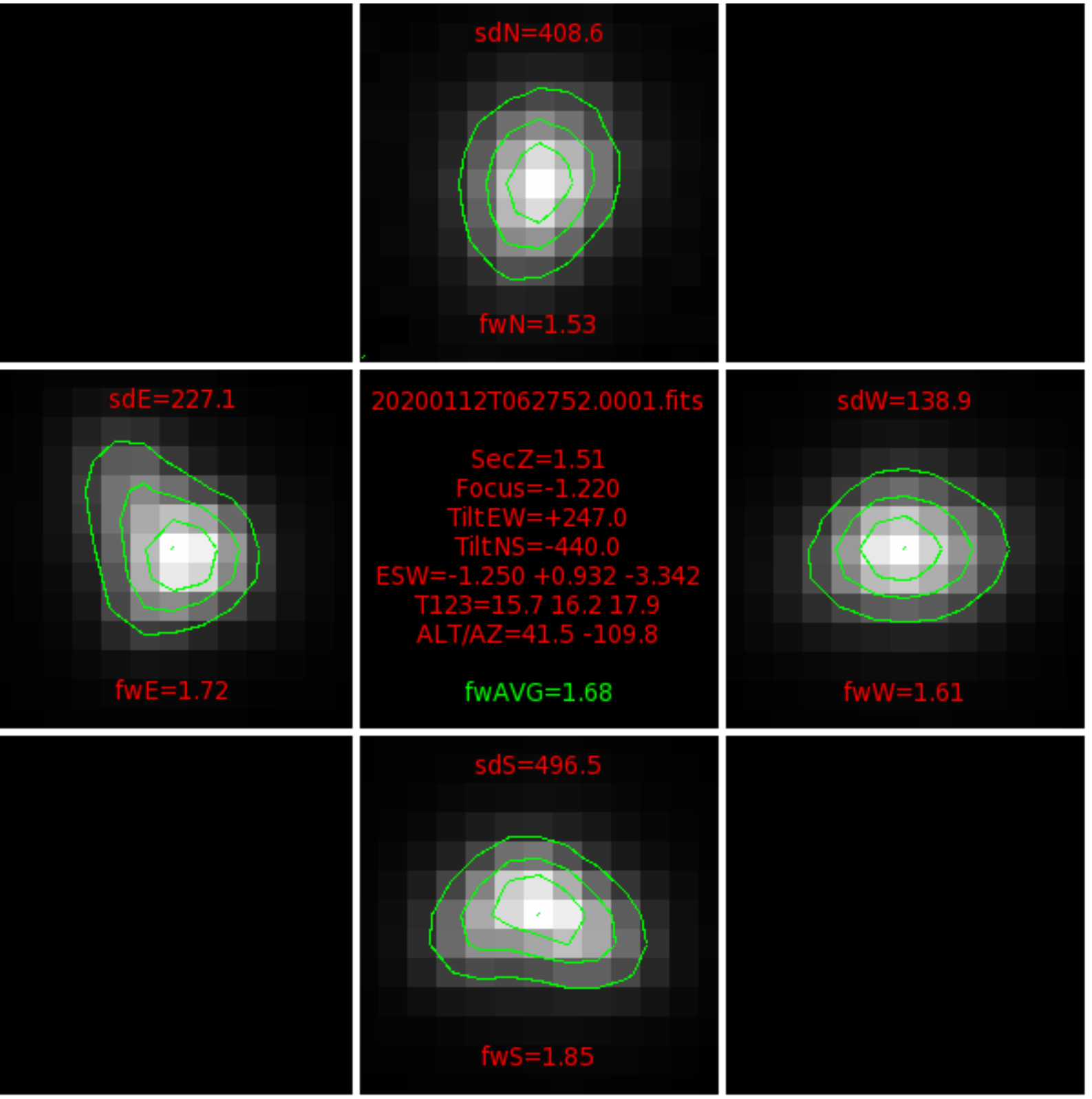
sdN=408.6
fwN=1.53
sdE=227.1
fwE=1.72
20200112T062752.0001.fits
SecZ=1.51
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.7 16.2 17.9
ALT/AZ=41.5 -109.8
fwAVG=1.68
sdW=138.9
fwW=1.61
sdS=496.5
fwS=1.85
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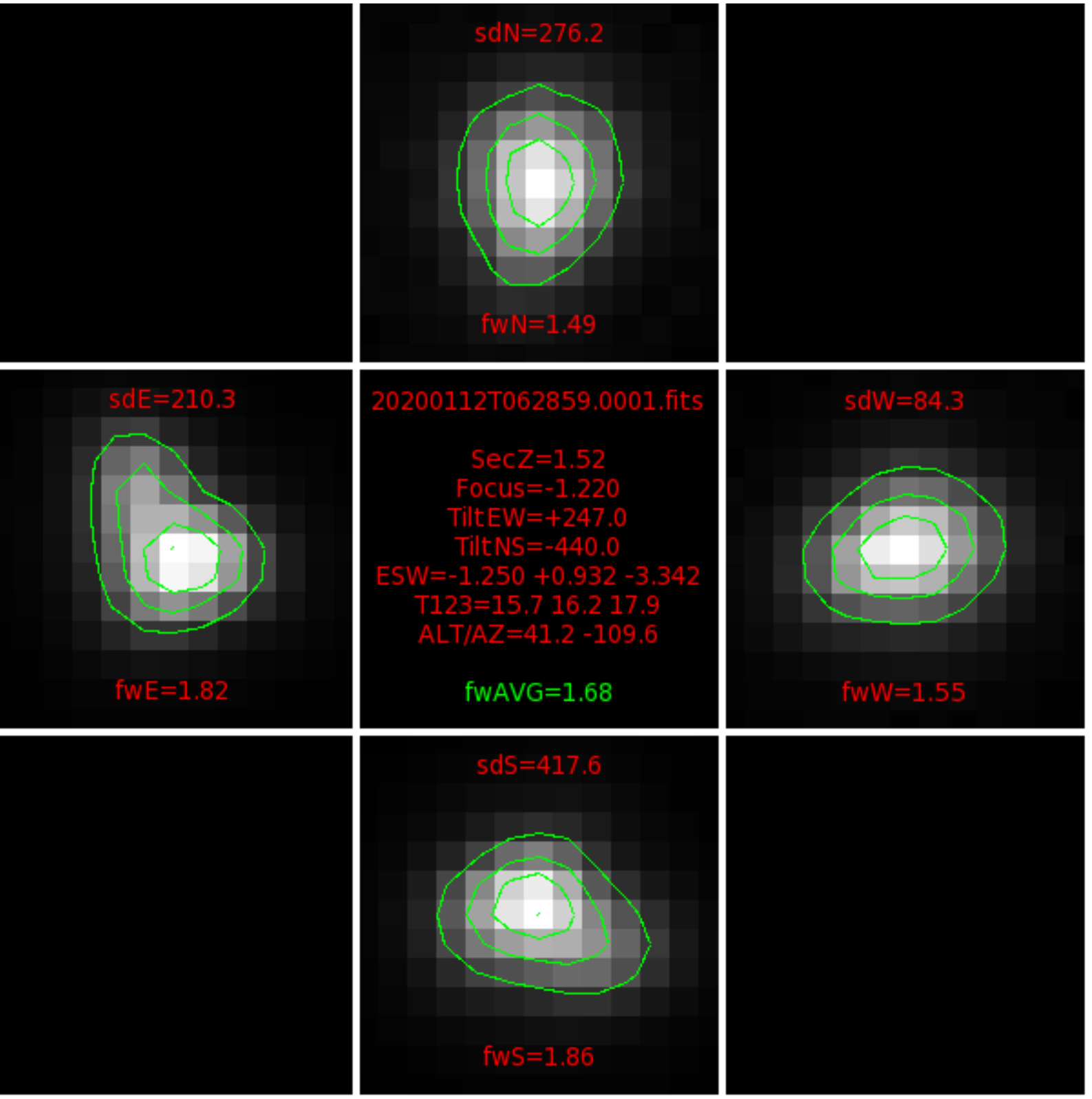
sdN=276.2
fwN=1.49
sdE=210.3
fwE=1.82
20200112T062859.0001.fits
SecZ=1.52
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.7 16.2 17.9
ALT/AZ=41.2 -109.6
fwAVG=1.68
sdW=84.3
fwW=1.55
sdS=417.6
fwS=1.86
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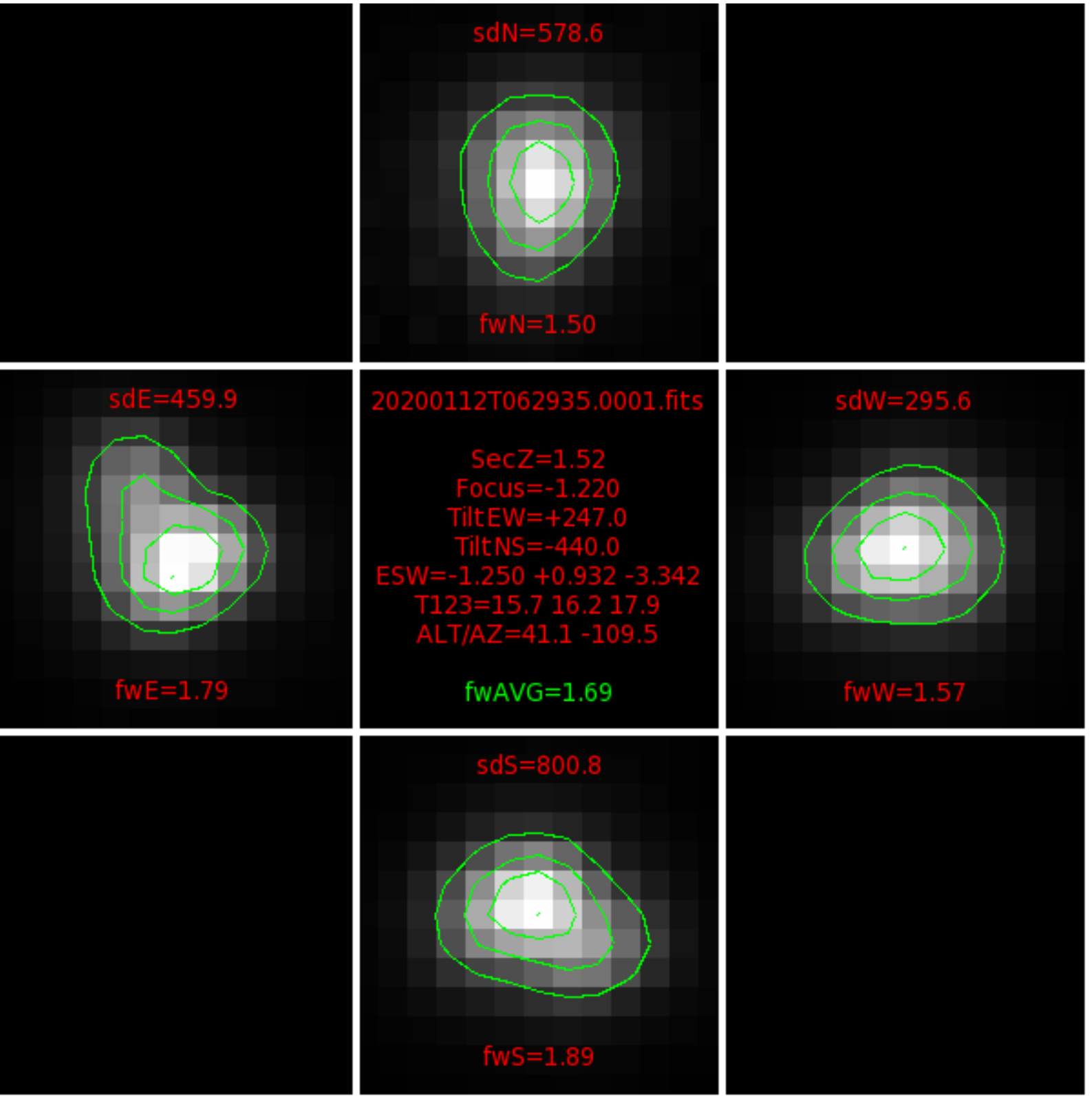
sdN=578.6
fwN=1.50
sdE=459.9
fwE=1.79
20200112T062935.0001.fits
SecZ=1.52
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.7 16.2 17.9
ALT/AZ=41.1 -109.5
fwAVG=1.69
sdW=295.6
fwW=1.57
sdS=800.8
fwS=1.89
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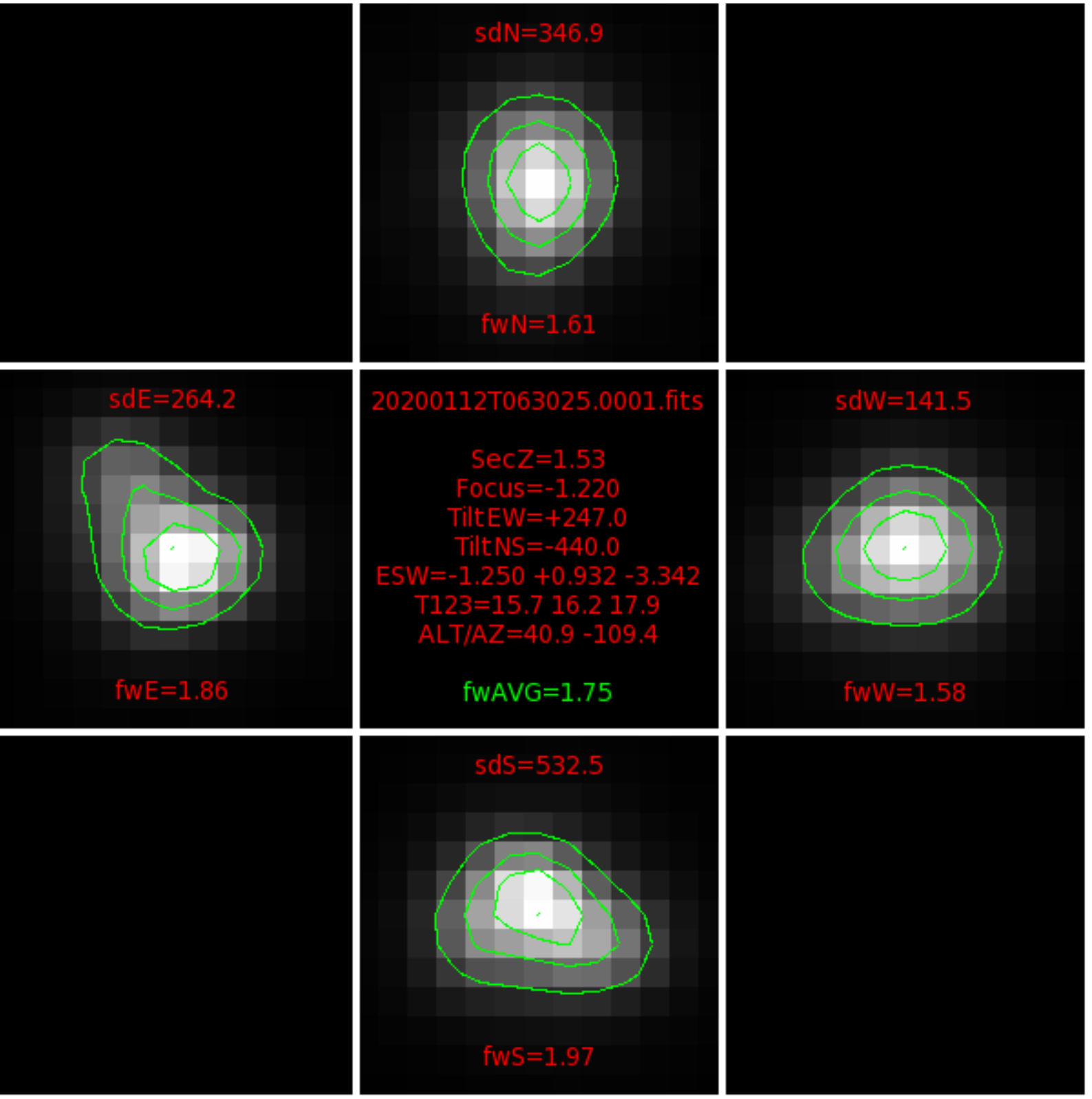
sdN=346.9
fwN=1.61
sdE=264.2
fwE=1.86
20200112T063025.0001.fits
SecZ=1.53
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.7 16.2 17.9
ALT/AZ=40.9 -109.4
fwAVG=1.75
sdW=141.5
fwW=1.58
sdS=532.5
fwS=1.97
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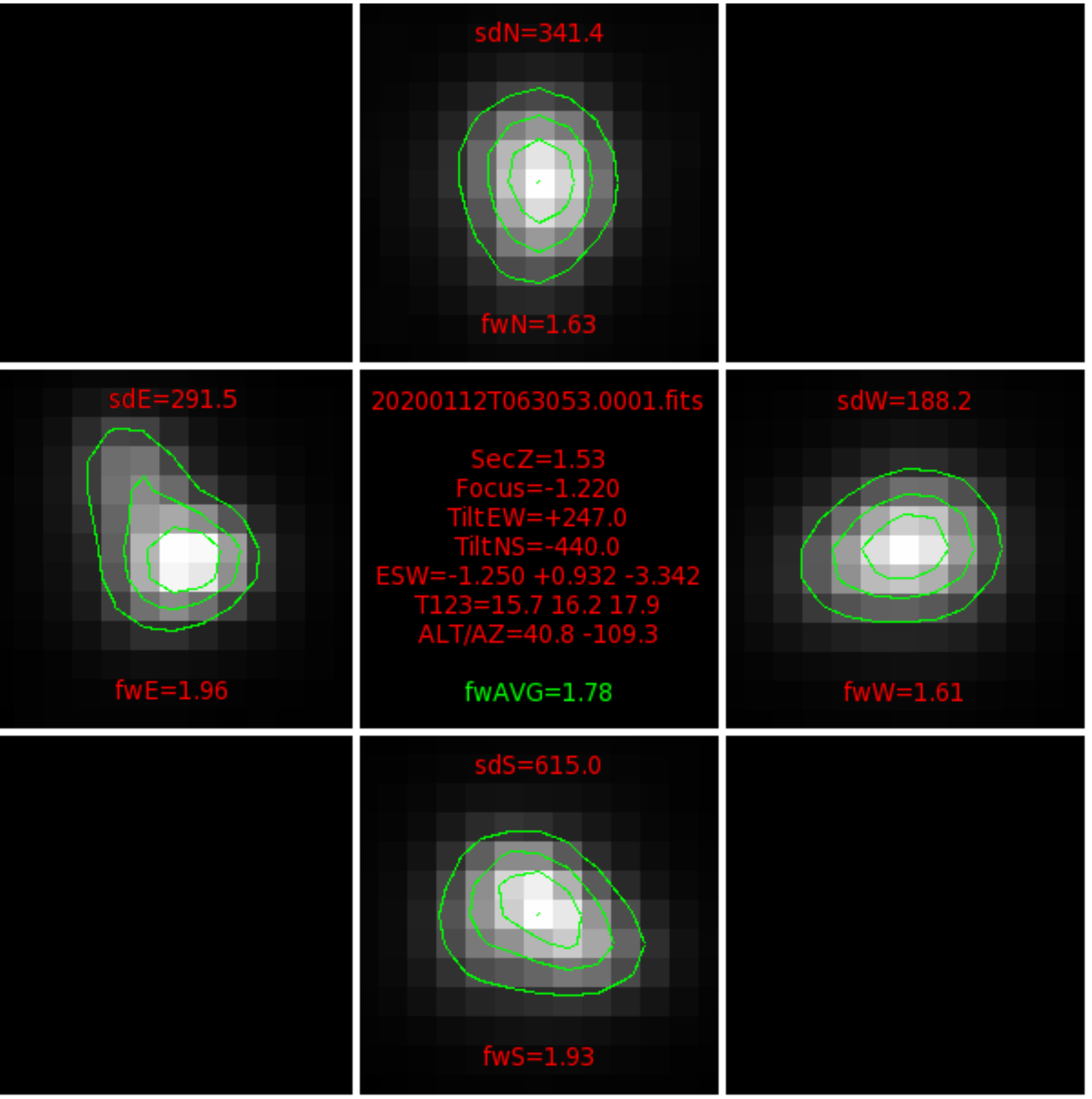
sdN=341.4
fwN=1.63
sdE=291.5
fwE=1.96
20200112T063053.0001.fits
SecZ=1.53
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.7 16.2 17.9
ALT/AZ=40.8 -109.3
fwAVG=1.78
sdW=188.2
fwW=1.61
sdS=615.0
fwS=1.93
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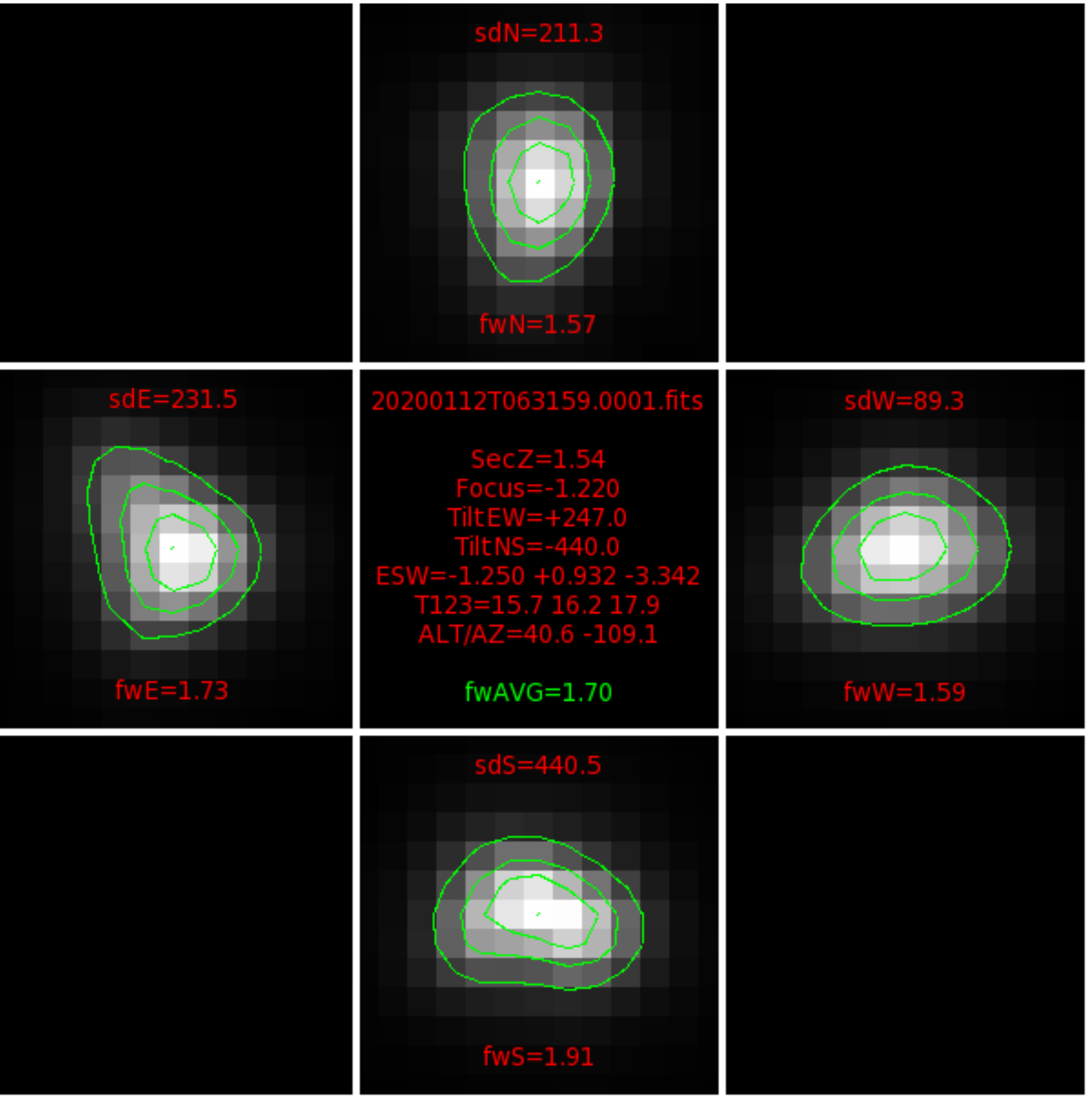
sdN=211.3
fwN=1.57
sdE=231.5
fwE=1.73
20200112T063159.0001.fits
SecZ=1.54
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.7 16.2 17.9
ALT/AZ=40.6 -109.1
fwAVG=1.70
sdW=89.3
fwW=1.59
sdS=440.5
fwS=1.91
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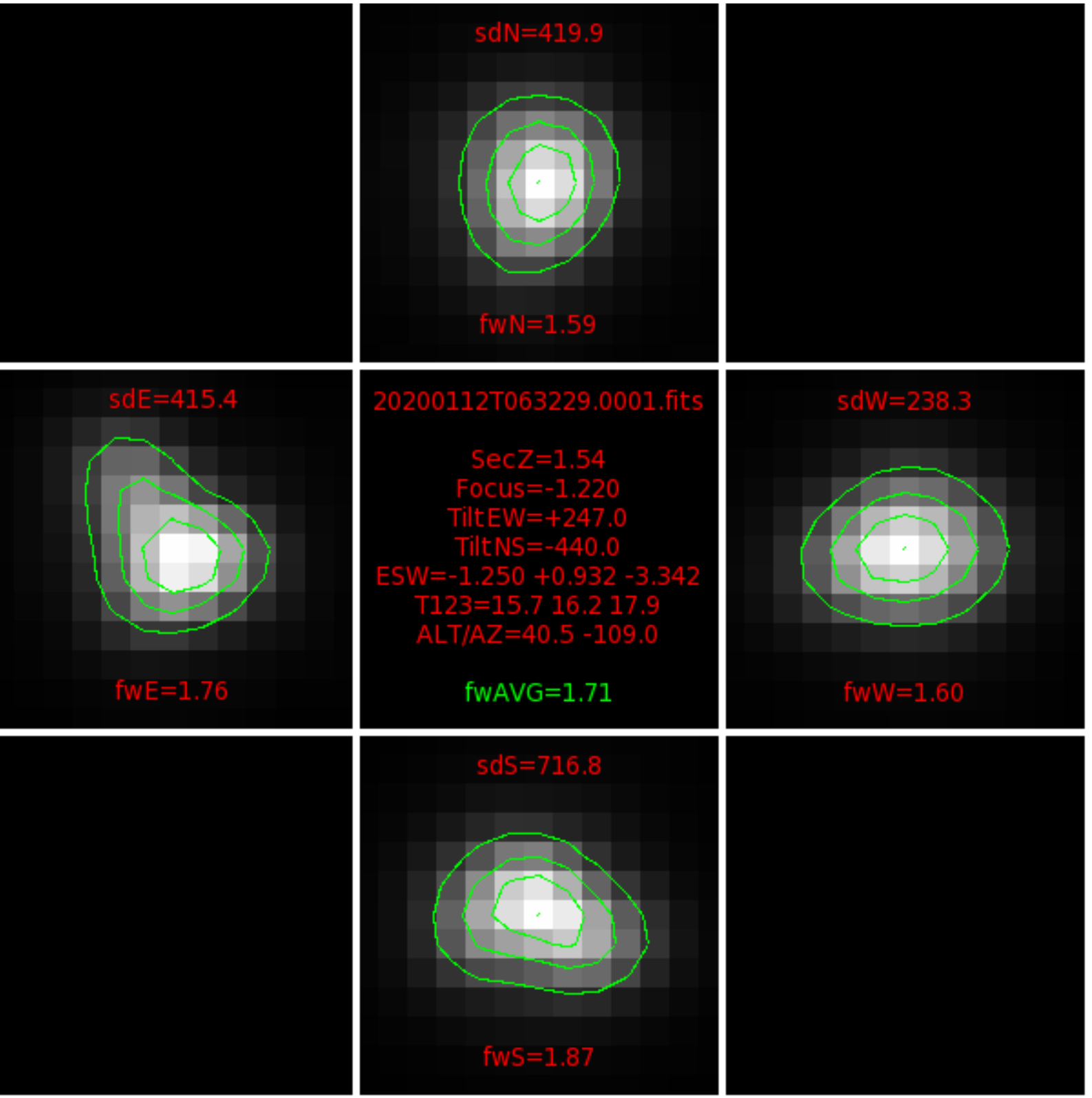
sdN=419.9
fwN=1.59
sdE=415.4
fwE=1.76
20200112T063229.0001.fits
SecZ=1.54
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.7 16.2 17.9
ALT/AZ=40.5 -109.0
fwAVG=1.71
sdW=238.3
fwW=1.60
sdS=716.8
fwS=1.87
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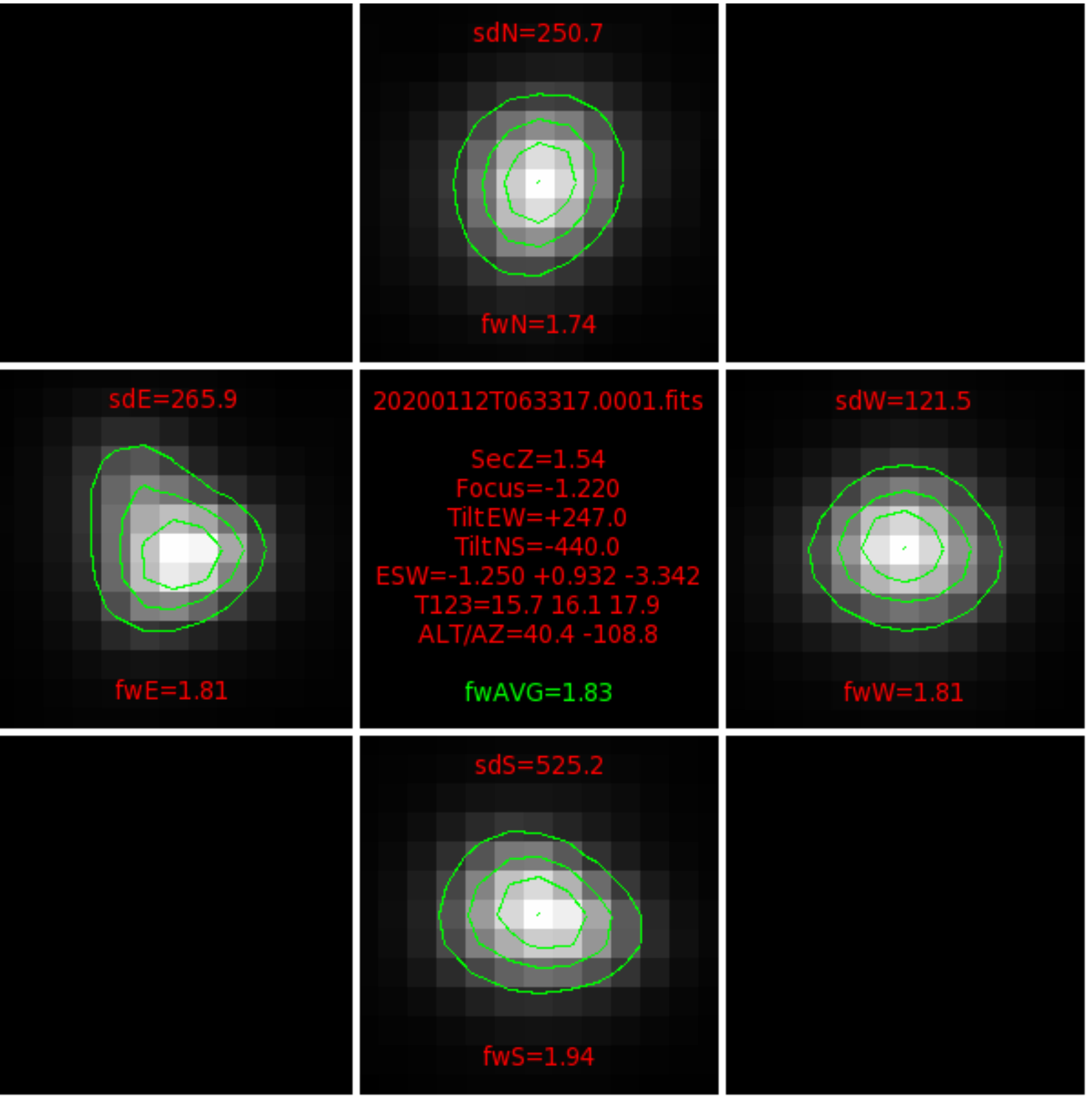
sdN=250.7
fwN=1.74
sdE=265.9
fwE=1.81
20200112T063317.0001.fits
SecZ=1.54
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.7 16.1 17.9
ALT/AZ=40.4 -108.8
fwAVG=1.83
sdW=121.5
fwW=1.81
sdS=525.2
fwS=1.94
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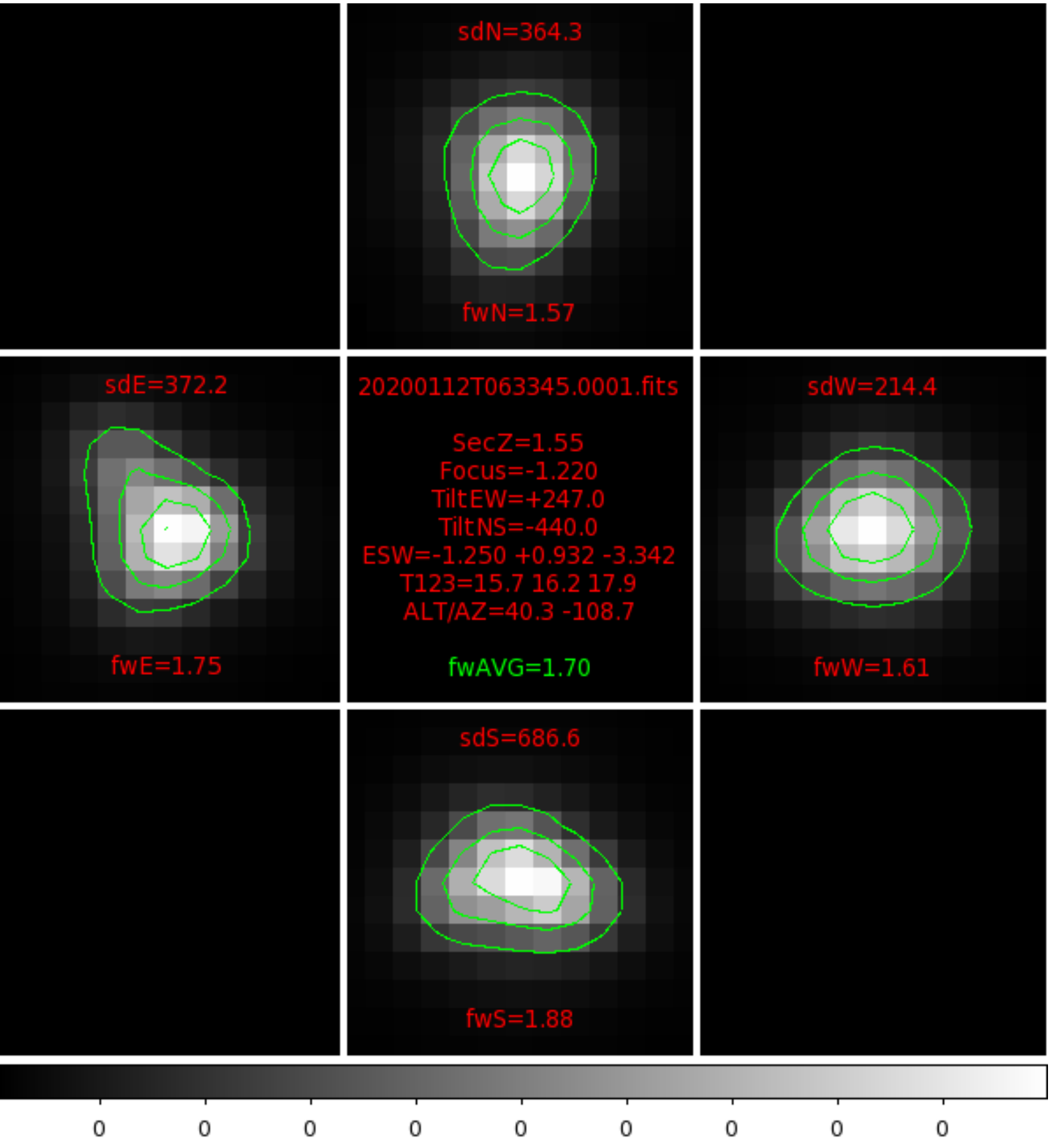
sdN=364.3
fwN=1.57
sdE=372.2
fwE=1.75
20200112T063345.0001.fits
SecZ=1.55
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.7 16.2 17.9
ALT/AZ=40.3 -108.7
fwAVG=1.70
sdW=214.4
fwW=1.61
sdS=686.6
fwS=1.88
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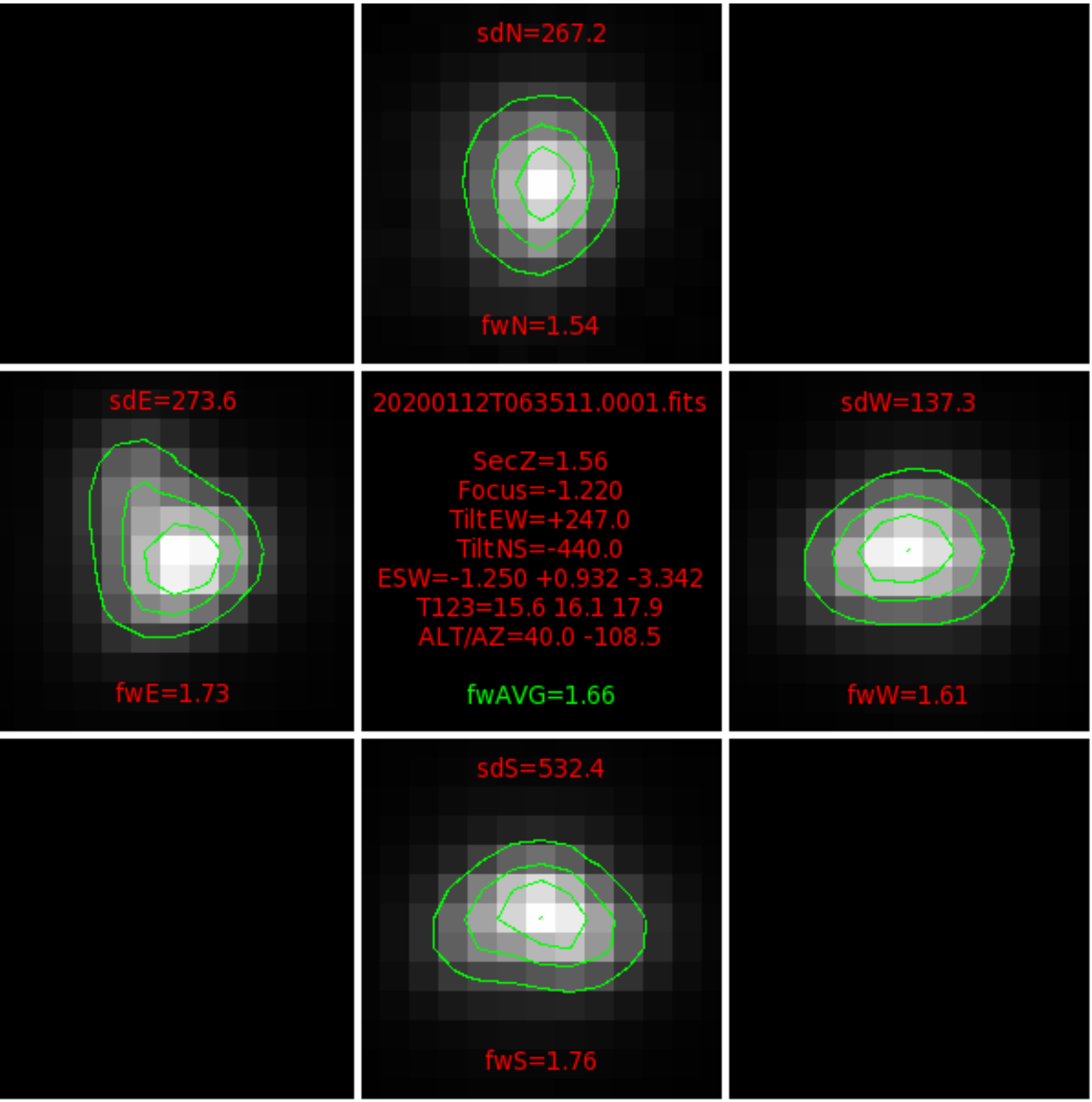
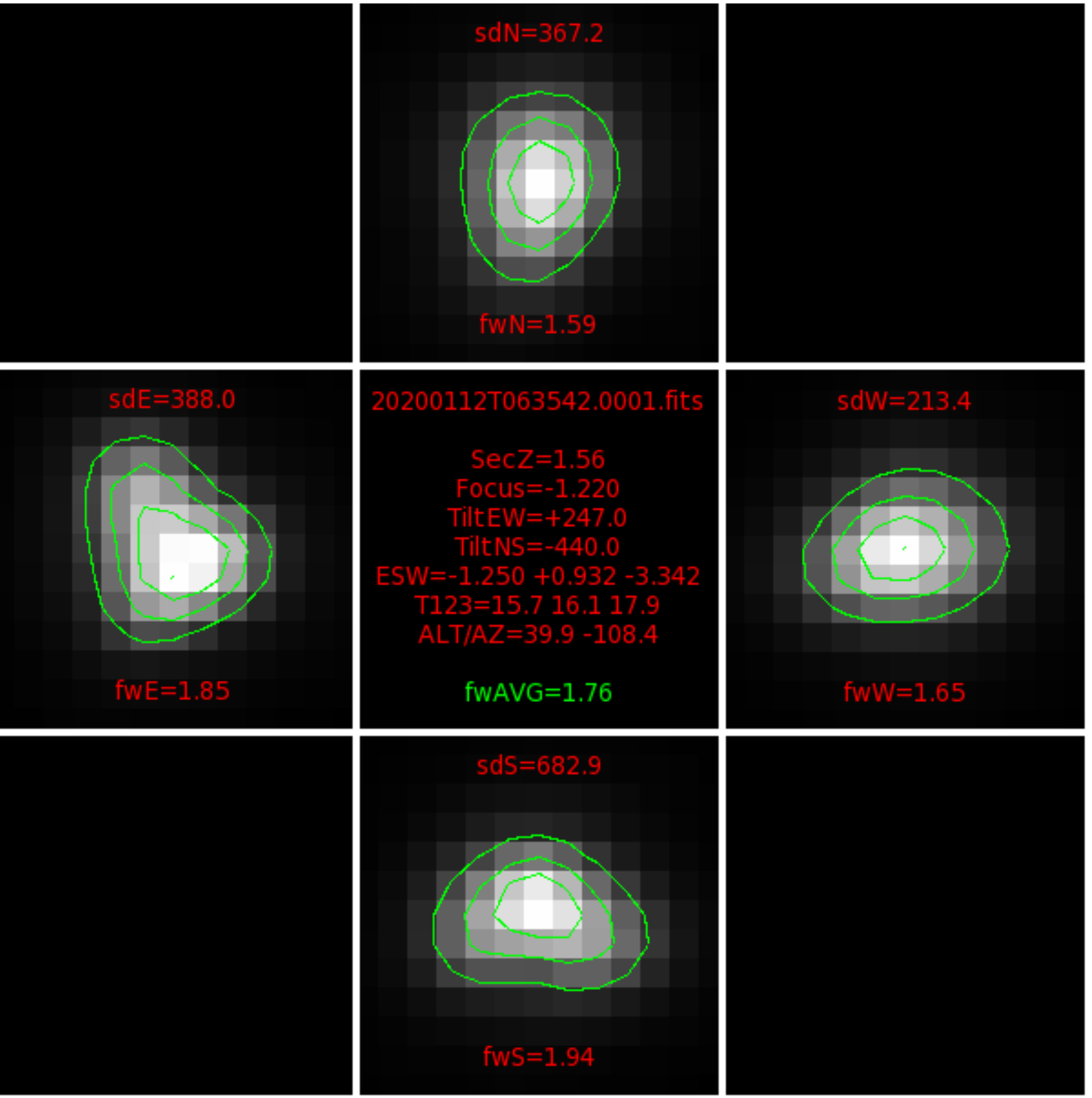

sdN=267.2
fwN=1.54
sdE=273.6
fwE=1.73
20200112T063511.0001.fits
SecZ=1.56
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.6 16.1 17.9
ALT/AZ=40.0 -108.5
fwAVG=1.66
sdW=137.3
fwW=1.61
sdS=532.4
fwS=1.76
0 0 0 0 0 0 0 0 0


sdN=367.2
fwN=1.59
sdE=388.0
fwE=1.85
20200112T063542.0001.fits
SecZ=1.56
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.7 16.1 17.9
ALT/AZ=39.9 -108.4
fwAVG=1.76
sdW=213.4
fwW=1.65
sdS=682.9
fwS=1.94
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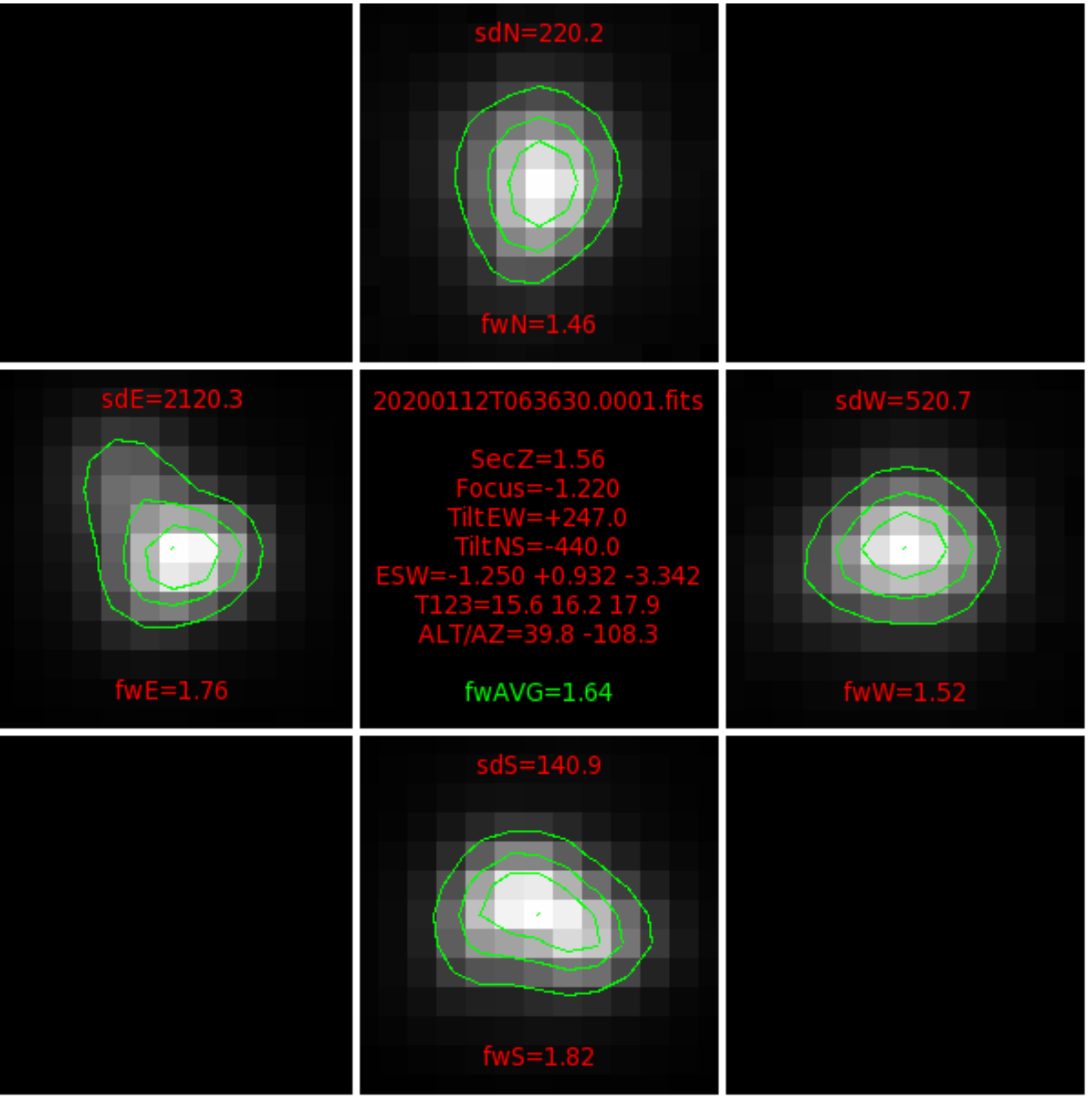
sdN=220.2
fwN=1.46
sdE=2120.3
fwE=1.76
20200112T063630.0001.fits
SecZ=1.56
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.6 16.2 17.9
ALT/AZ=39.8 -108.3
fwAVG=1.64
sdW=520.7
fwW=1.52
sdS=140.9
fwS=1.82
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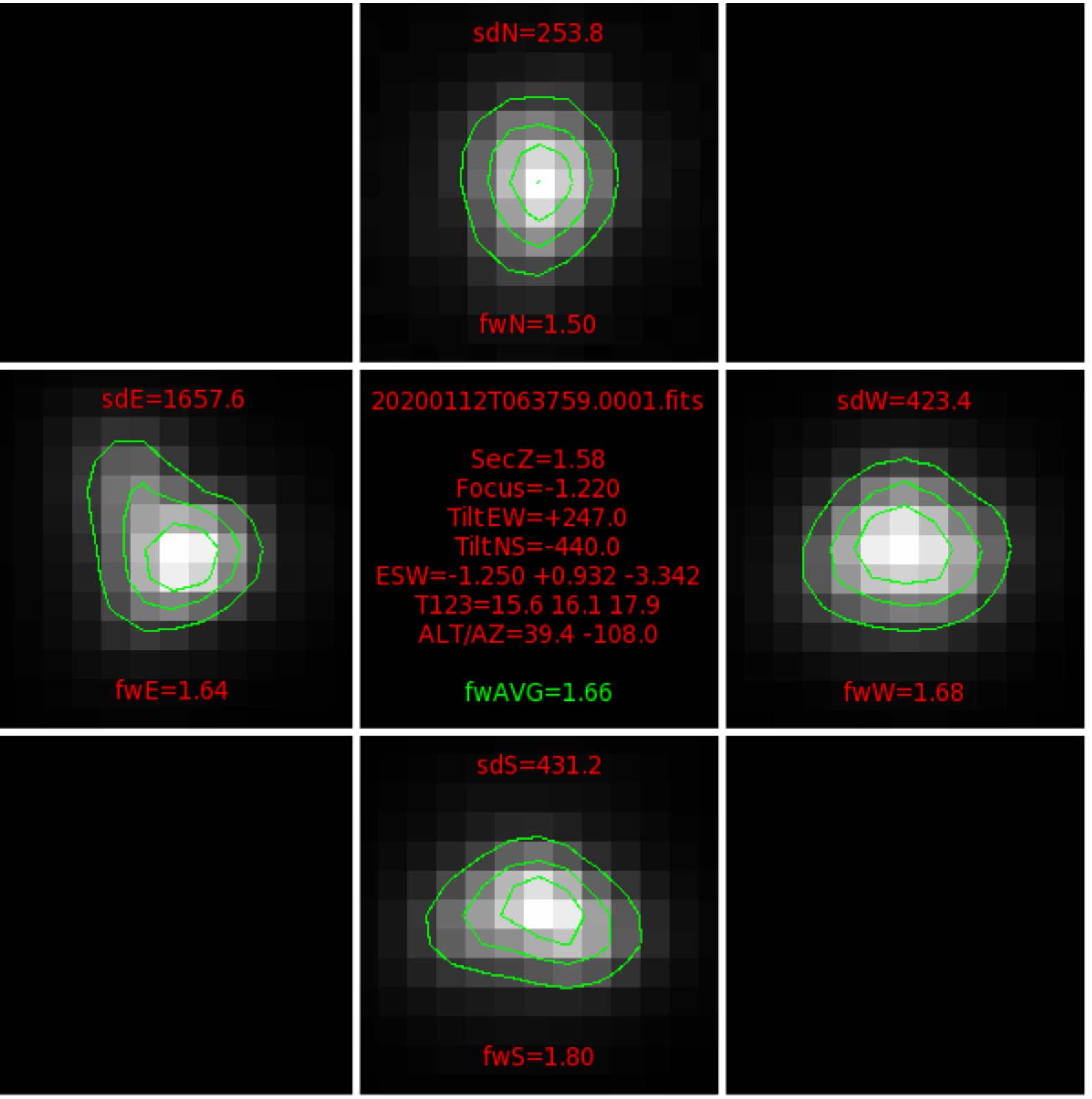
sdN=253.8
fwN=1.50
sdE=1657.6
fwE=1.64
20200112T063759.0001.fits
SecZ=1.58
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.6 16.1 17.9
ALT/AZ=39.4 -108.0
fwAVG=1.66
sdW=423.4
fwW=1.68
sdS=431.2
fwS=1.80
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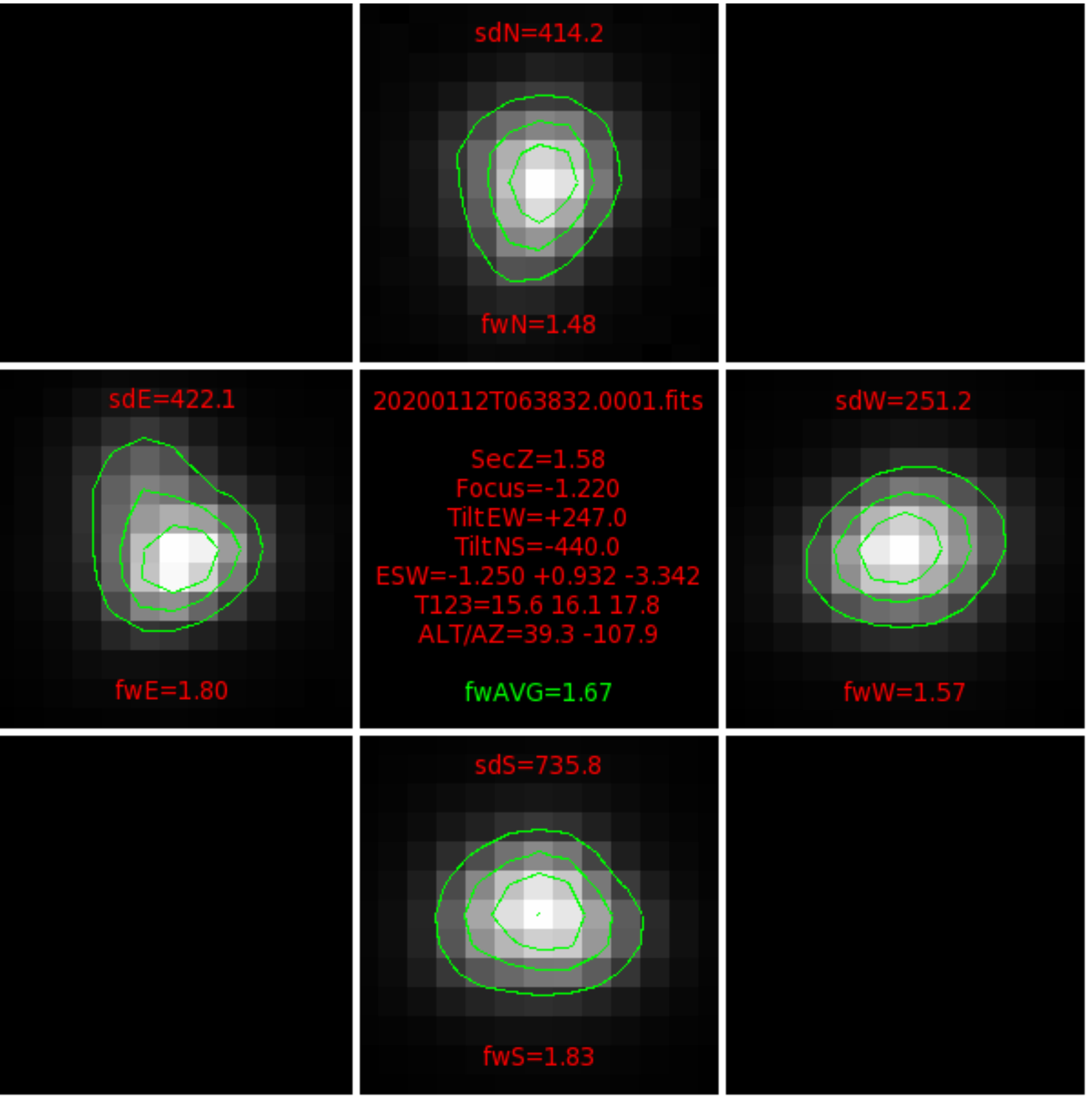
sdN=414.2
fwN=1.48
sdE=422.1
fwE=1.80
20200112T063832.0001.fits
SecZ=1.58
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.6 16.1 17.8
ALT/AZ=39.3 -107.9
fwAVG=1.67
sdW=251.2
fwW=1.57
sdS=735.8
fwS=1.83
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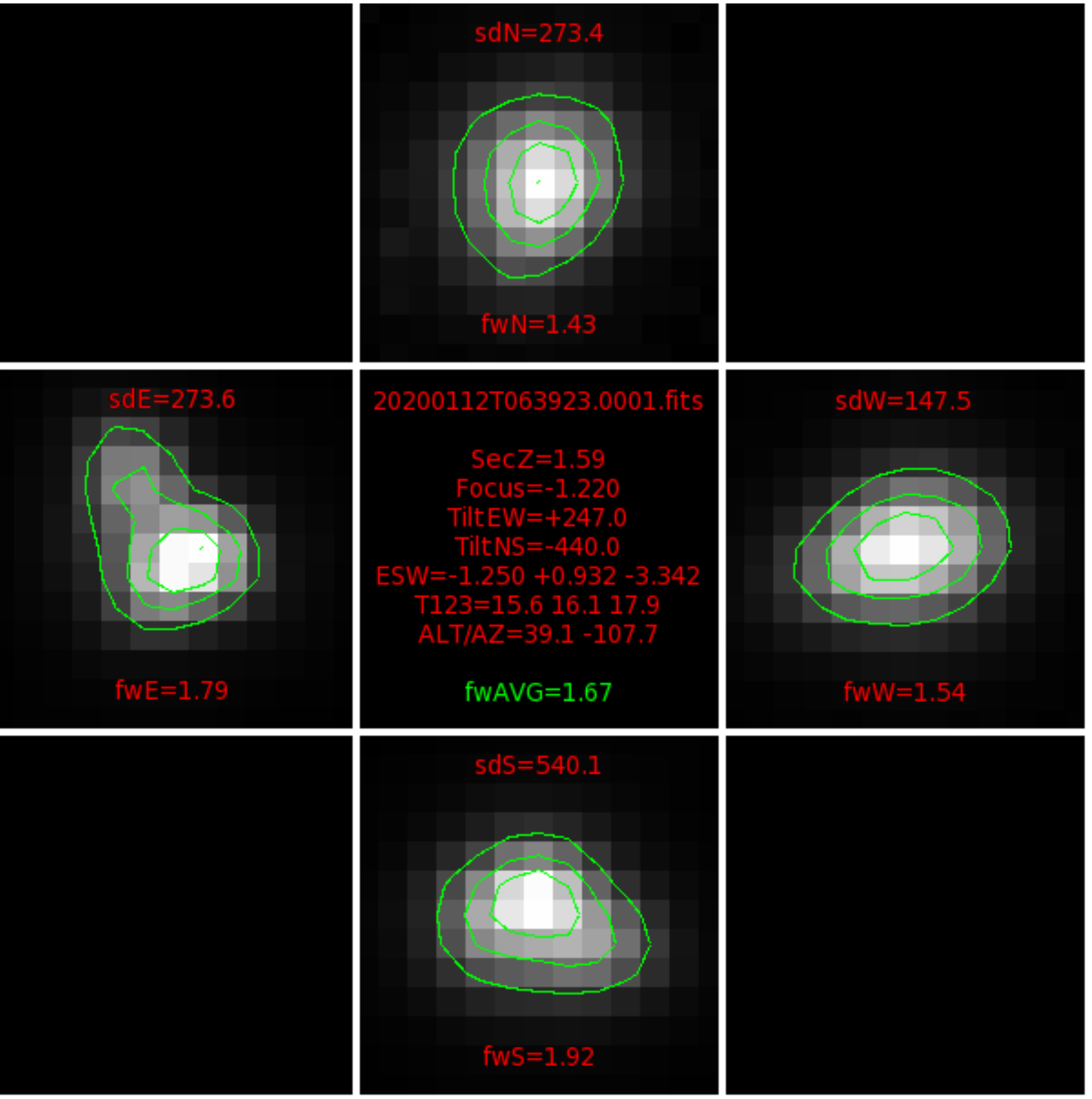
sdN=273.4
fwN=1.43
sdE=273.6
fwE=1.79
20200112T063923.0001.fits
SecZ=1.59
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.6 16.1 17.9
ALT/AZ=39.1 -107.7
fwAVG=1.67
sdW=147.5
fwW=1.54
sdS=540.1
fwS=1.92
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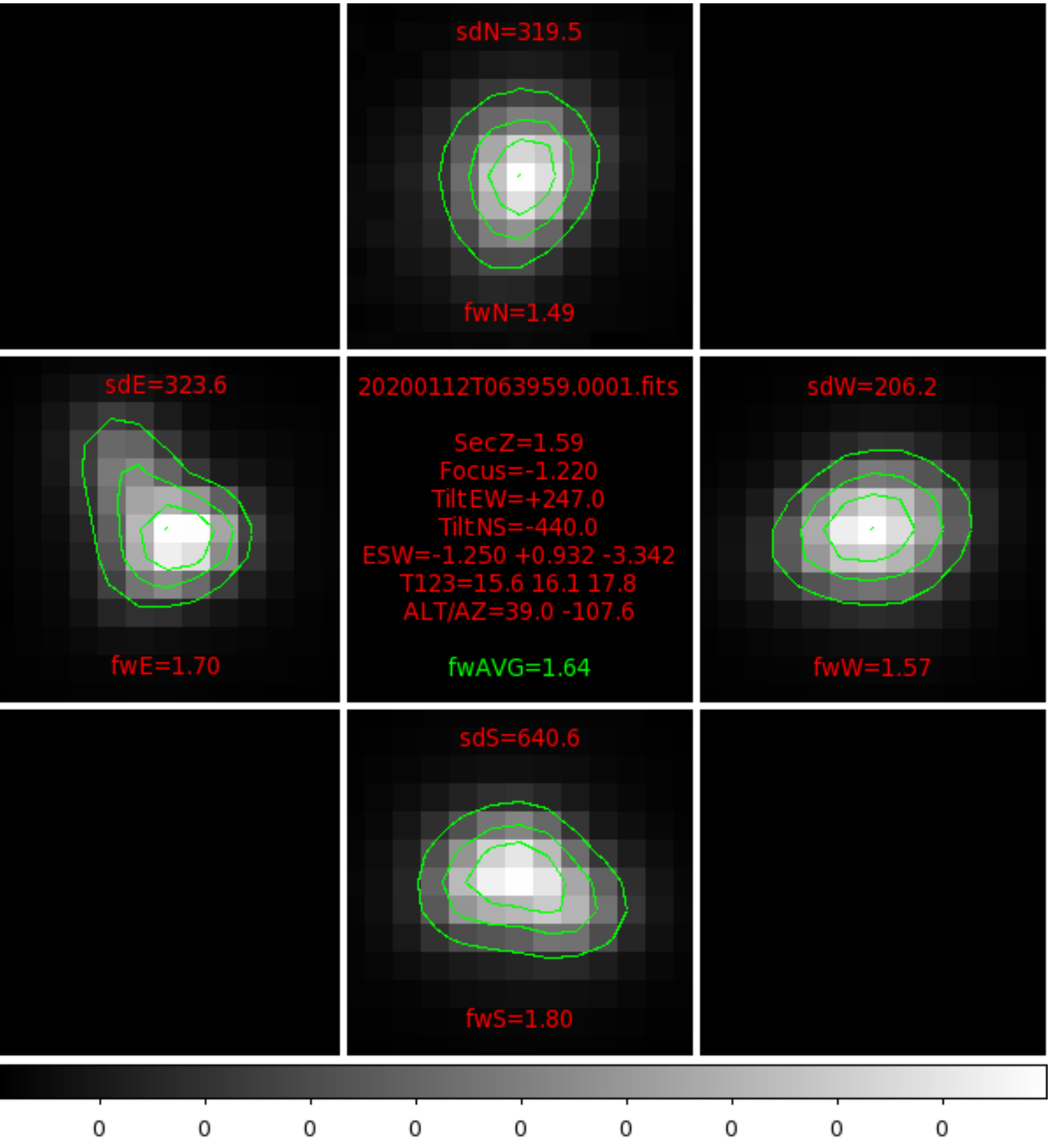
sdN=319.5
fwN=1.49
sdE=323.6
fwE=1.70
20200112T063959.0001.fits
SecZ=1.59
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.6 16.1 17.8
ALT/AZ=39.0 -107.6
fwAVG=1.64
sdW=206.2
fwW=1.57
sdS=640.6
fwS=1.80
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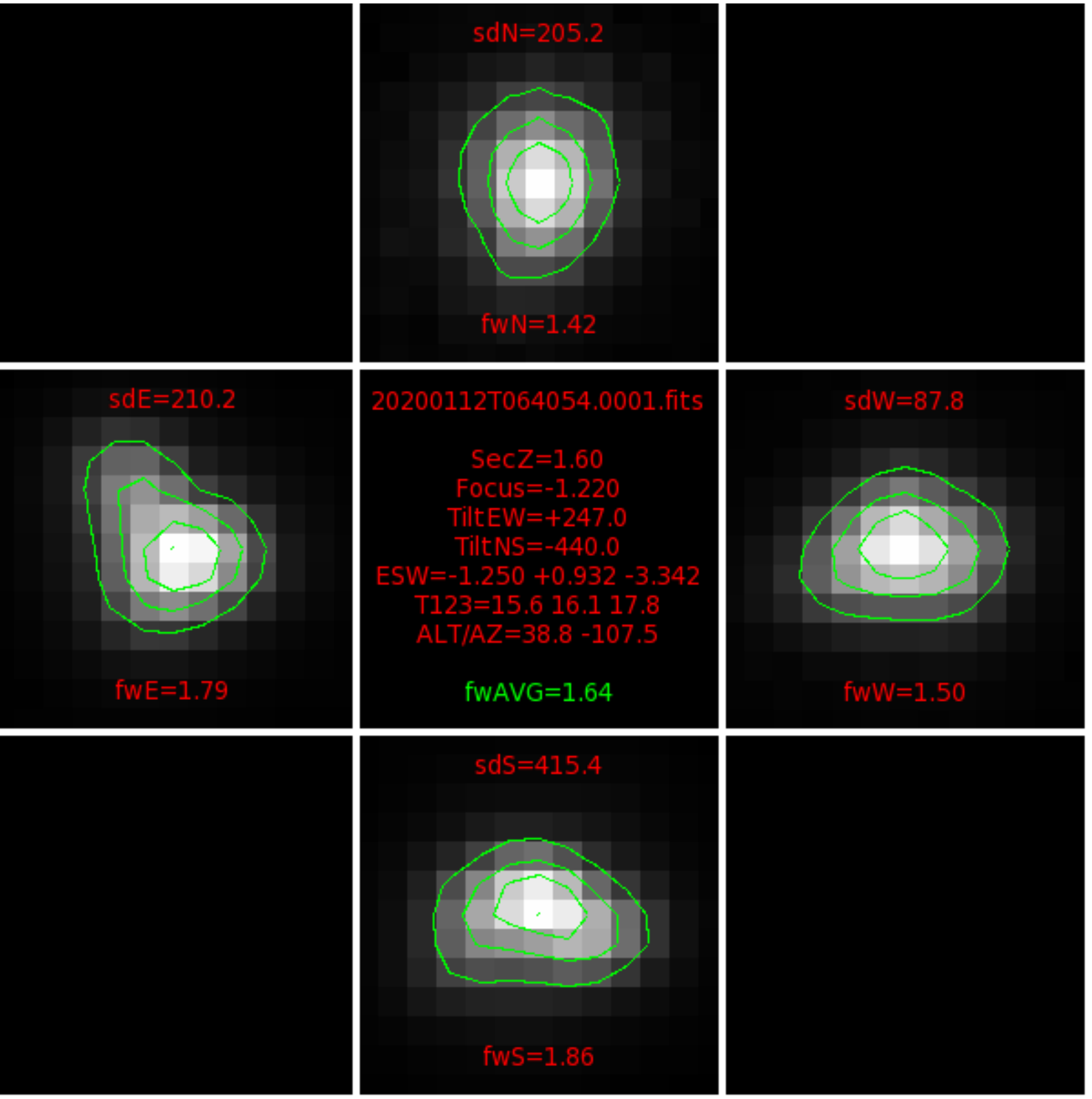
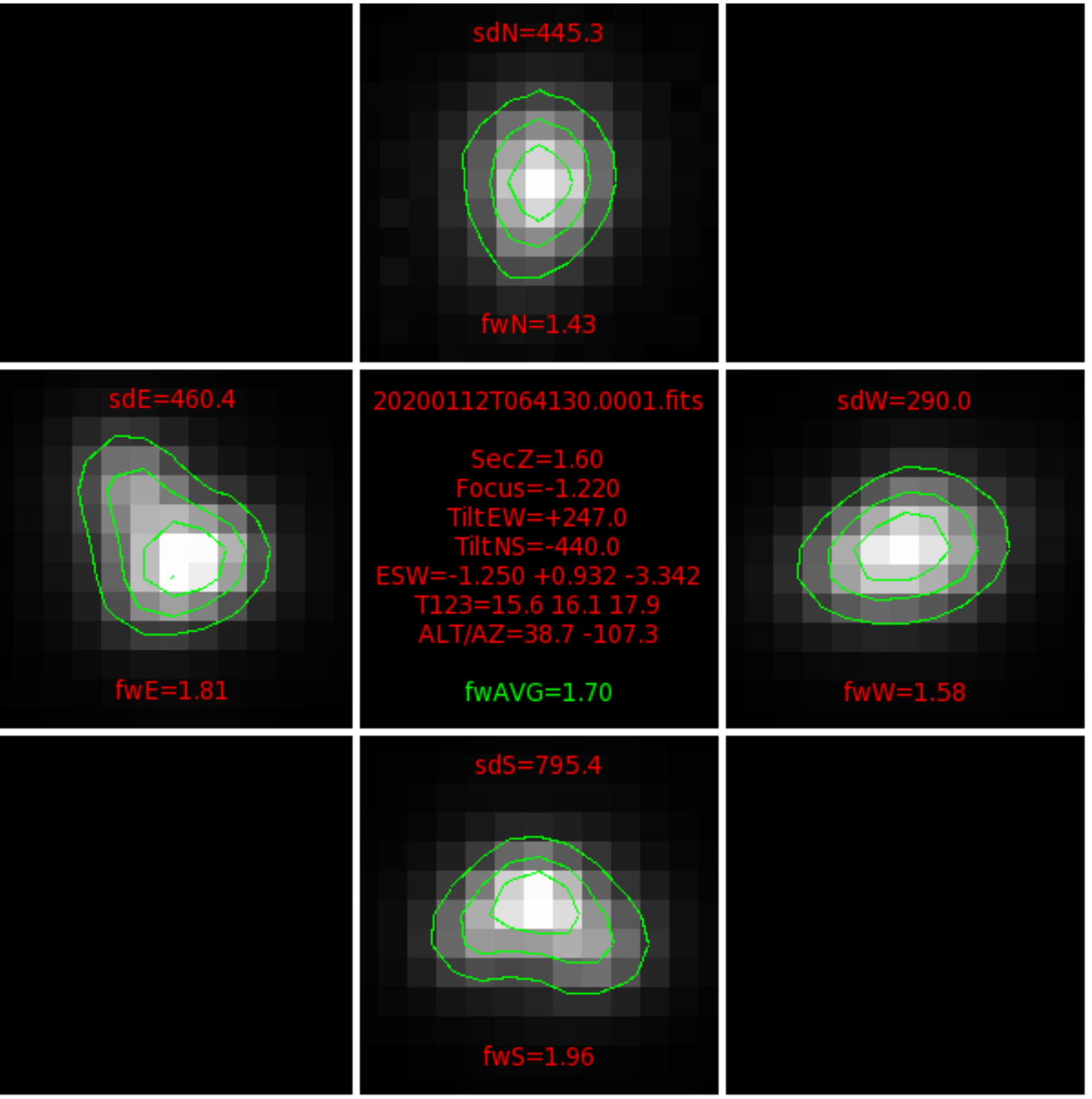

sdN=205.2
fwN=1.42
sdE=210.2
fwE=1.79
20200112T064054.0001.fits
SecZ=1.60
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.6 16.1 17.8
ALT/AZ=38.8 -107.5
fwAVG=1.64
sdW=87.8
fwW=1.50
sdS=415.4
fwS=1.86
0 0 0 0 0 0 0 0 0


sdN=445.3
fwN=1.43
sdE=460.4
fwE=1.81
20200112T064130.0001.fits
SecZ=1.60
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.6 16.1 17.9
ALT/AZ=38.7 -107.3
fwAVG=1.70
sdW=290.0
fwW=1.58
sdS=795.4
fwS=1.96
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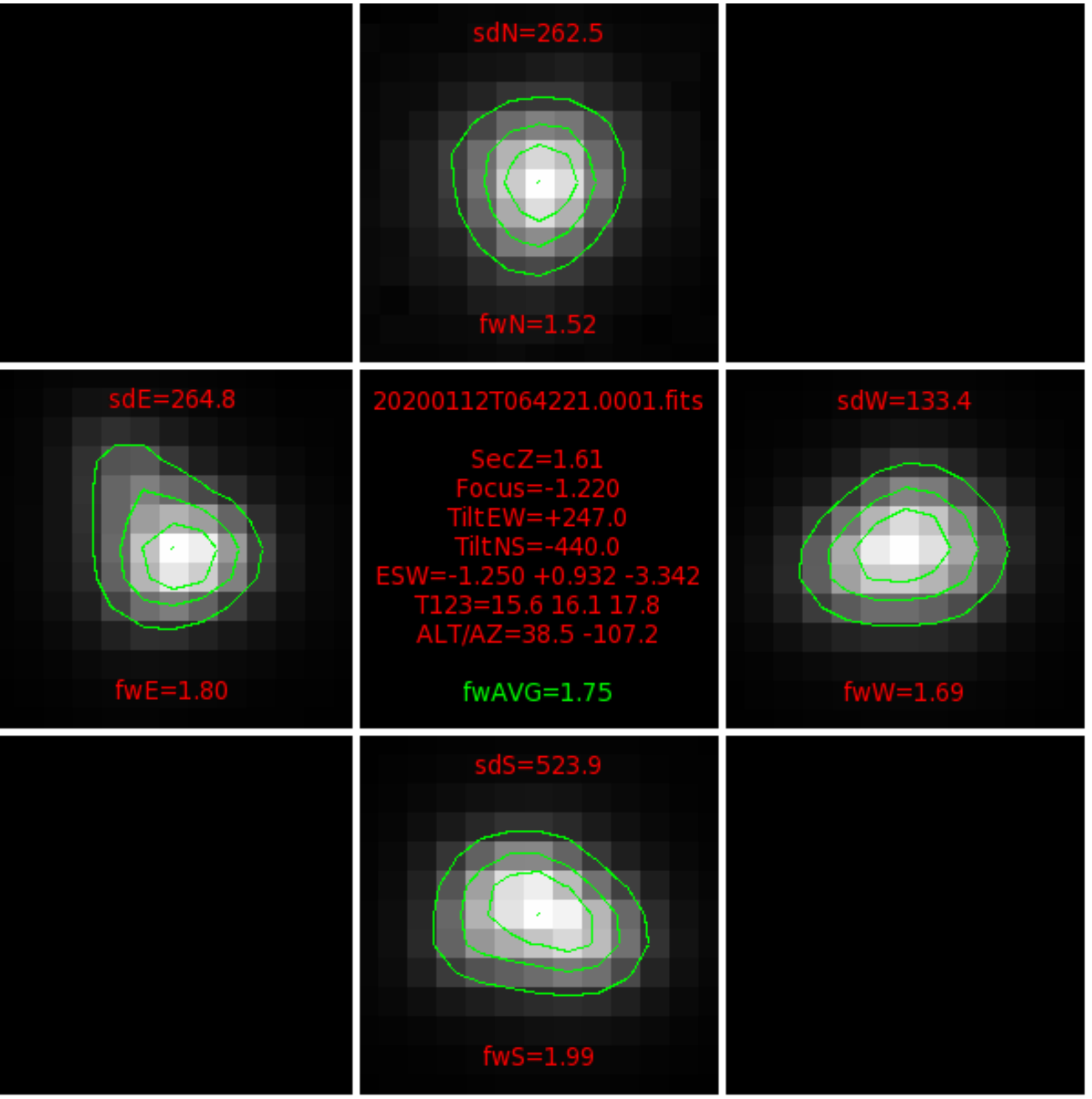
sdN=262.5
fwN=1.52
sdE=264.8
fwE=1.80
20200112T064221.0001.fits
SecZ=1.61
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.6 16.1 17.8
ALT/AZ=38.5 -107.2
fwAVG=1.75
sdW=133.4
fwW=1.69
sdS=523.9
fwS=1.99
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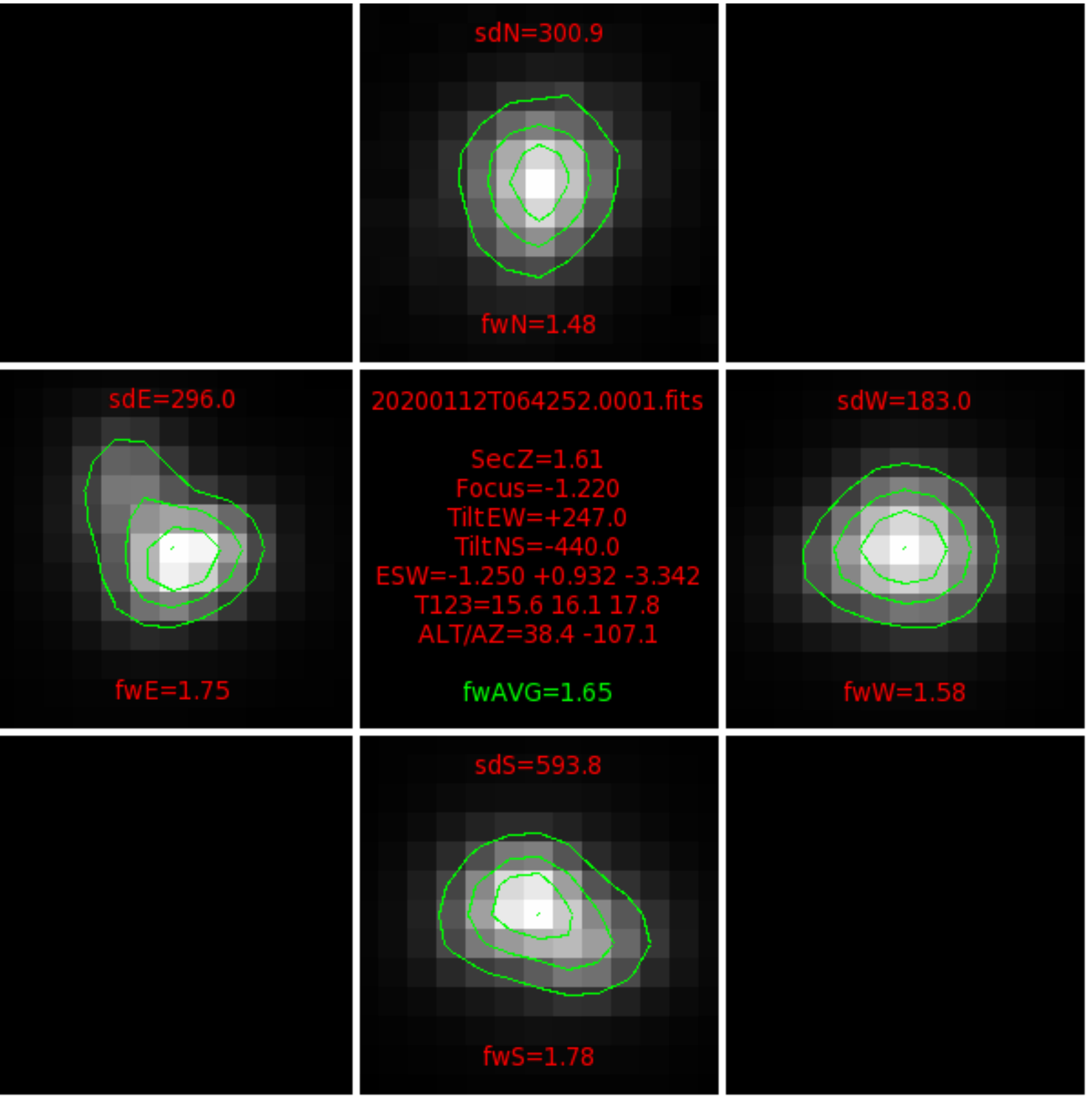
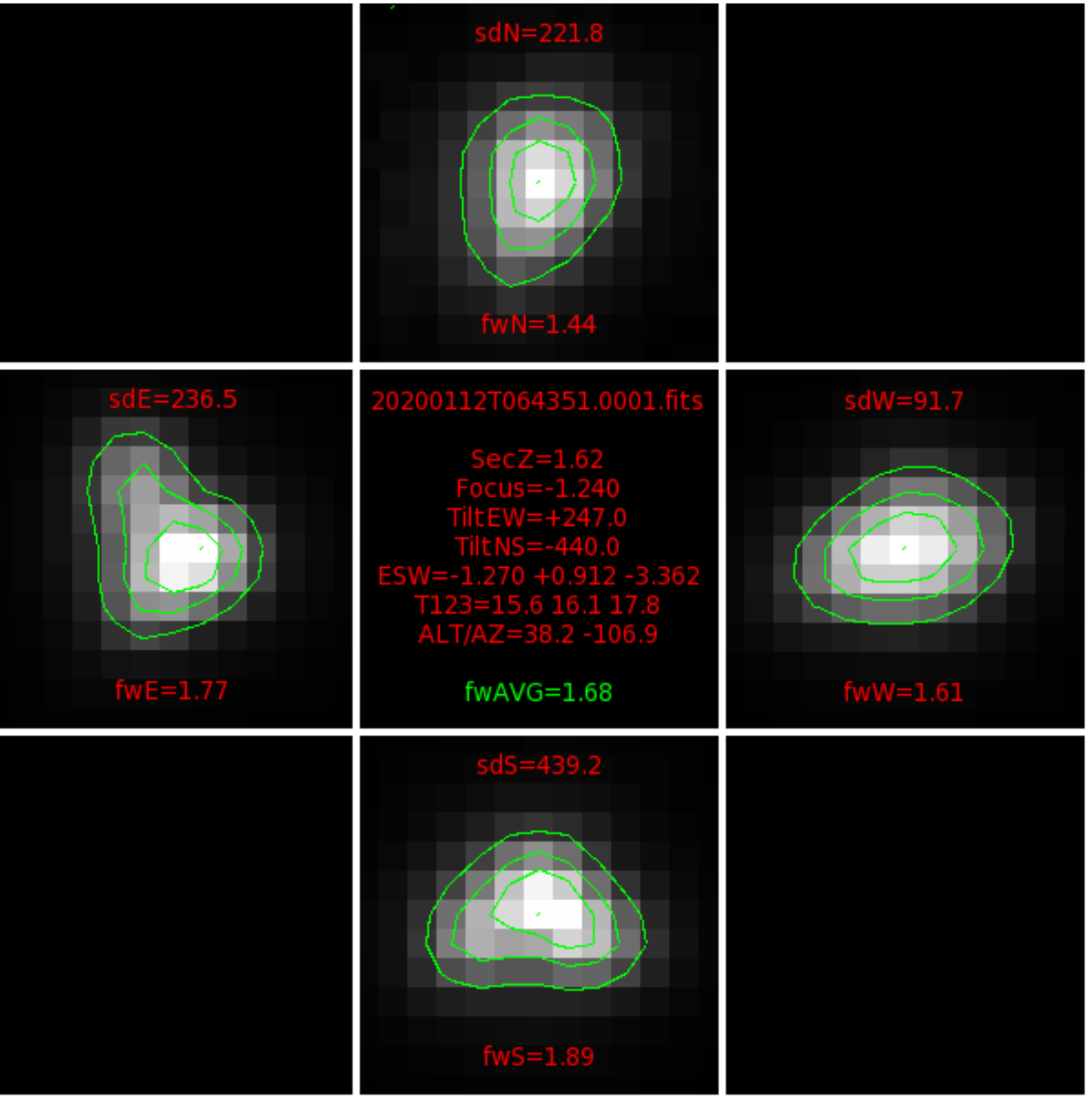

sdN=300.9
fwN=1.48
sdE=296.0
fwE=1.75
20200112T064252.0001.fits
SecZ=1.61
Focus=-1.220
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.250 +0.932 -3.342
T123=15.6 16.1 17.8
ALT/AZ=38.4 -107.1
fwAVG=1.65
sdW=183.0
fwW=1.58
sdS=593.8
fwS=1.78
0 0 0 0 0 0 0 0 0


sdN=221.8
fwN=1.44
sdE=236.5
fwE=1.77
20200112T064351.0001.fits
SecZ=1.62
Focus=-1.240
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.270 +0.912 -3.362
T123=15.6 16.1 17.8
ALT/AZ=38.2 -106.9
fwAVG=1.68
sdW=91.7
fwW=1.61
sdS=439.2
fwS=1.89
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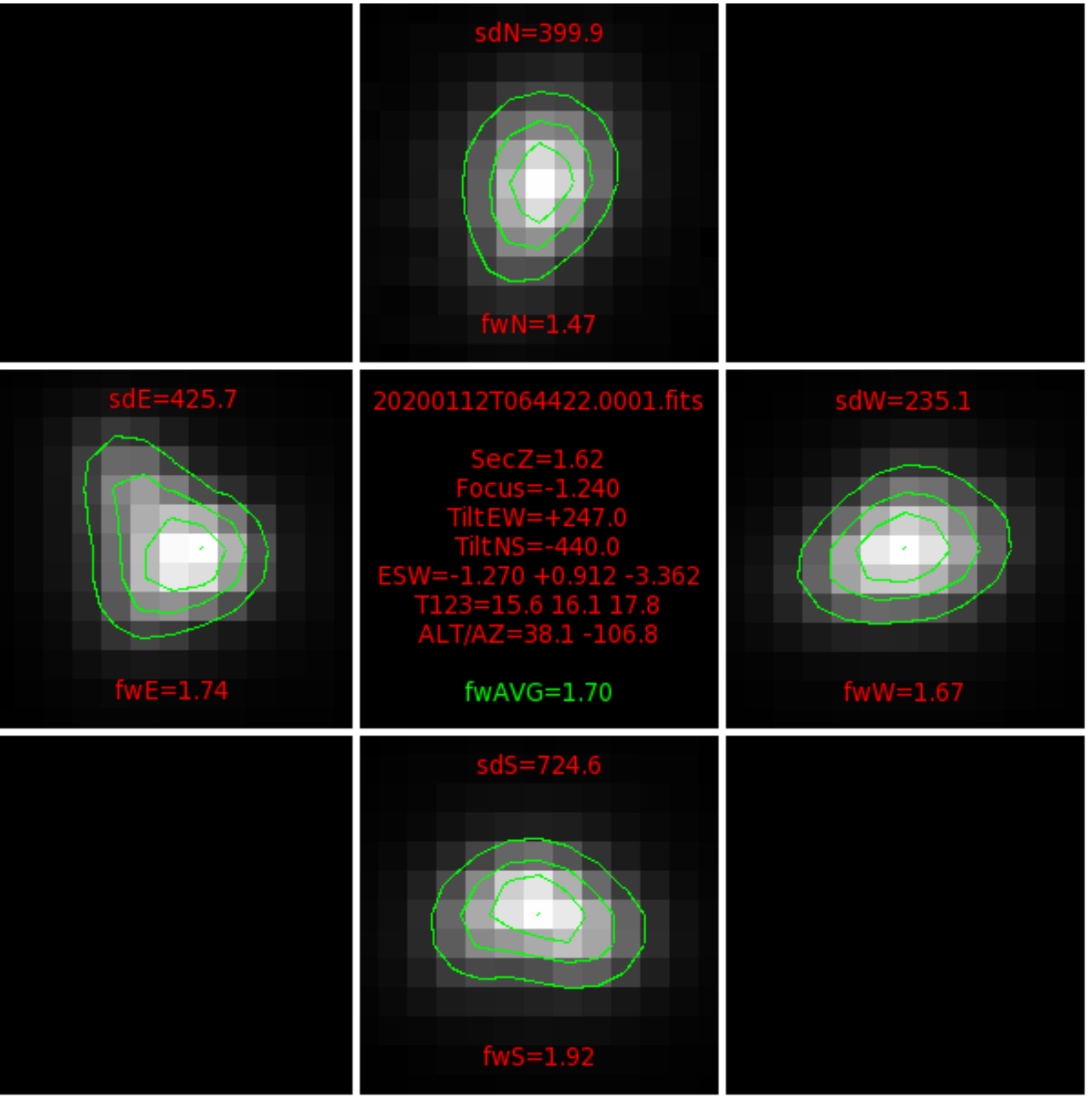
sdN=399.9
fwN=1.47
sdE=425.7
fwE=1.74
20200112T064422.0001.fits
SecZ=1.62
Focus=-1.240
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.270 +0.912 -3.362
T123=15.6 16.1 17.8
ALT/AZ=38.1 -106.8
fwAVG=1.70
sdW=235.1
fwW=1.67
sdS=724.6
fwS=1.92
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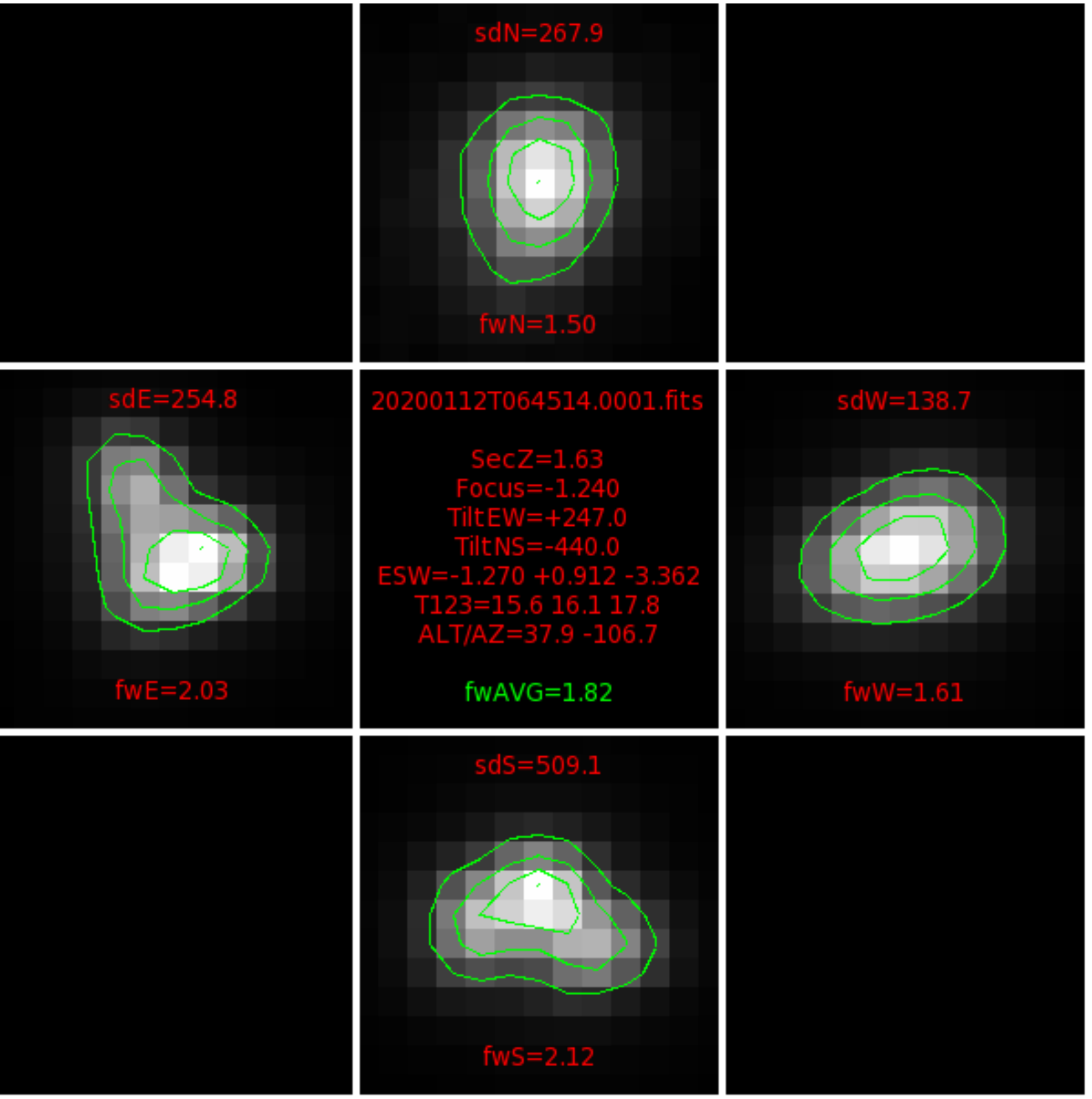
sdN=267.9
fwN=1.50
sdE=254.8
fwE=2.03
20200112T064514.0001.fits
SecZ=1.63
Focus=-1.240
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.270 +0.912 -3.362
T123=15.6 16.1 17.8
ALT/AZ=37.9 -106.7
fwAVG=1.82
sdW=138.7
fwW=1.61
sdS=509.1
fwS=2.12
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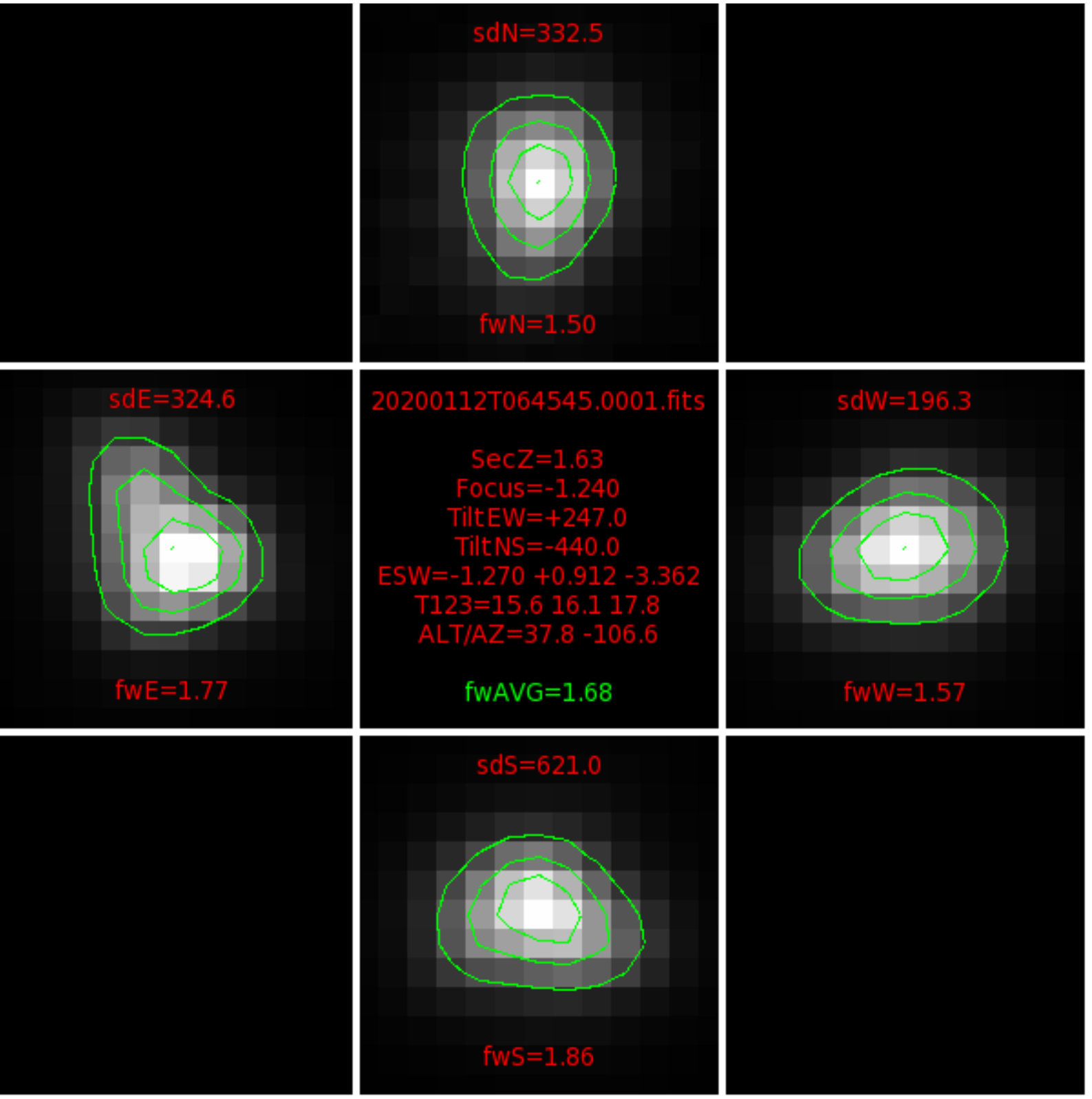
sdN=332.5
fwN=1.50
sdE=324.6
fwE=1.77
20200112T064545.0001.fits
SecZ=1.63
Focus=-1.240
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.270 +0.912 -3.362
T123=15.6 16.1 17.8
ALT/AZ=37.8 -106.6
fwAVG=1.68
sdW=196.3
fwW=1.57
sdS=621.0
fwS=1.86
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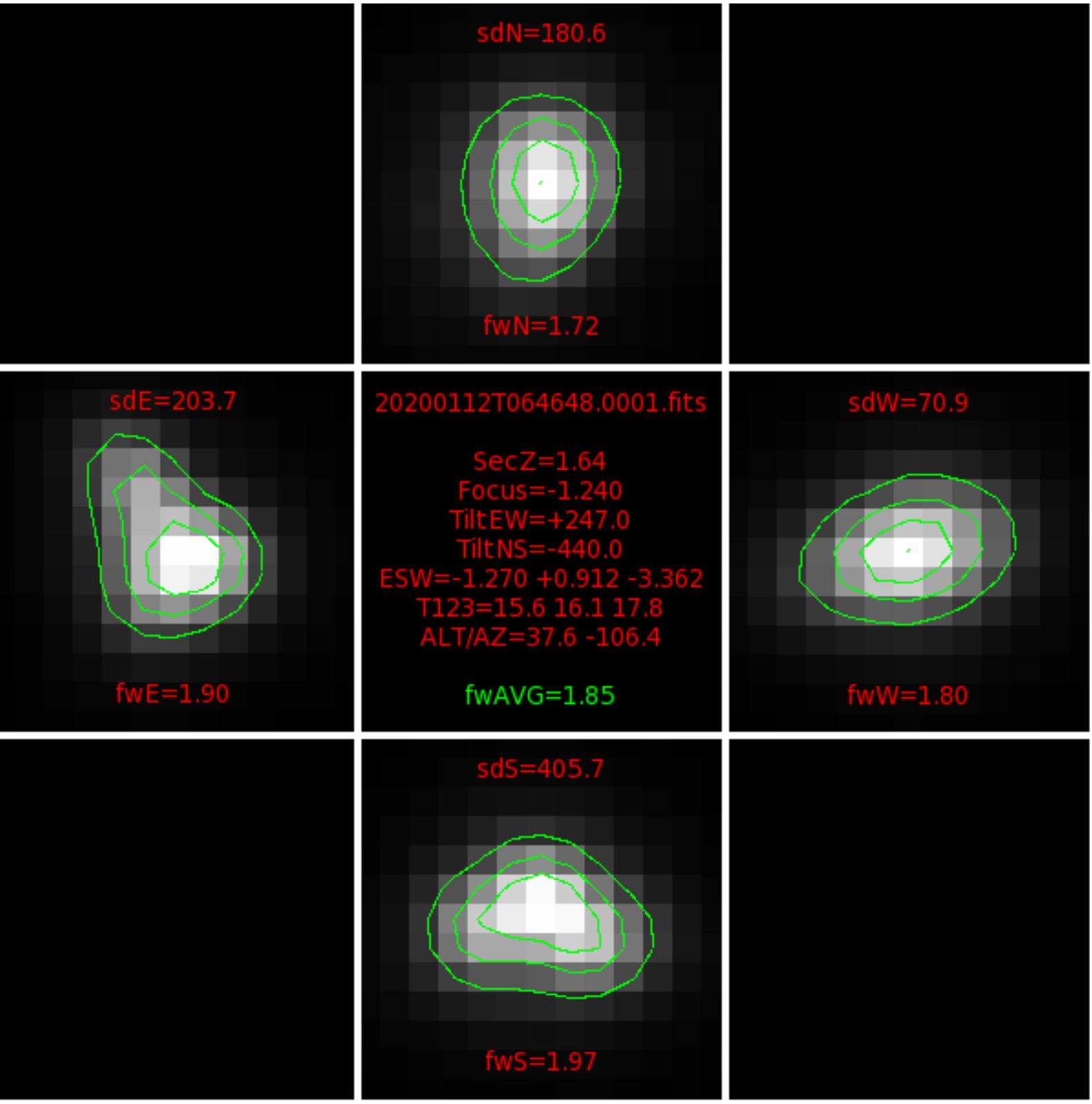
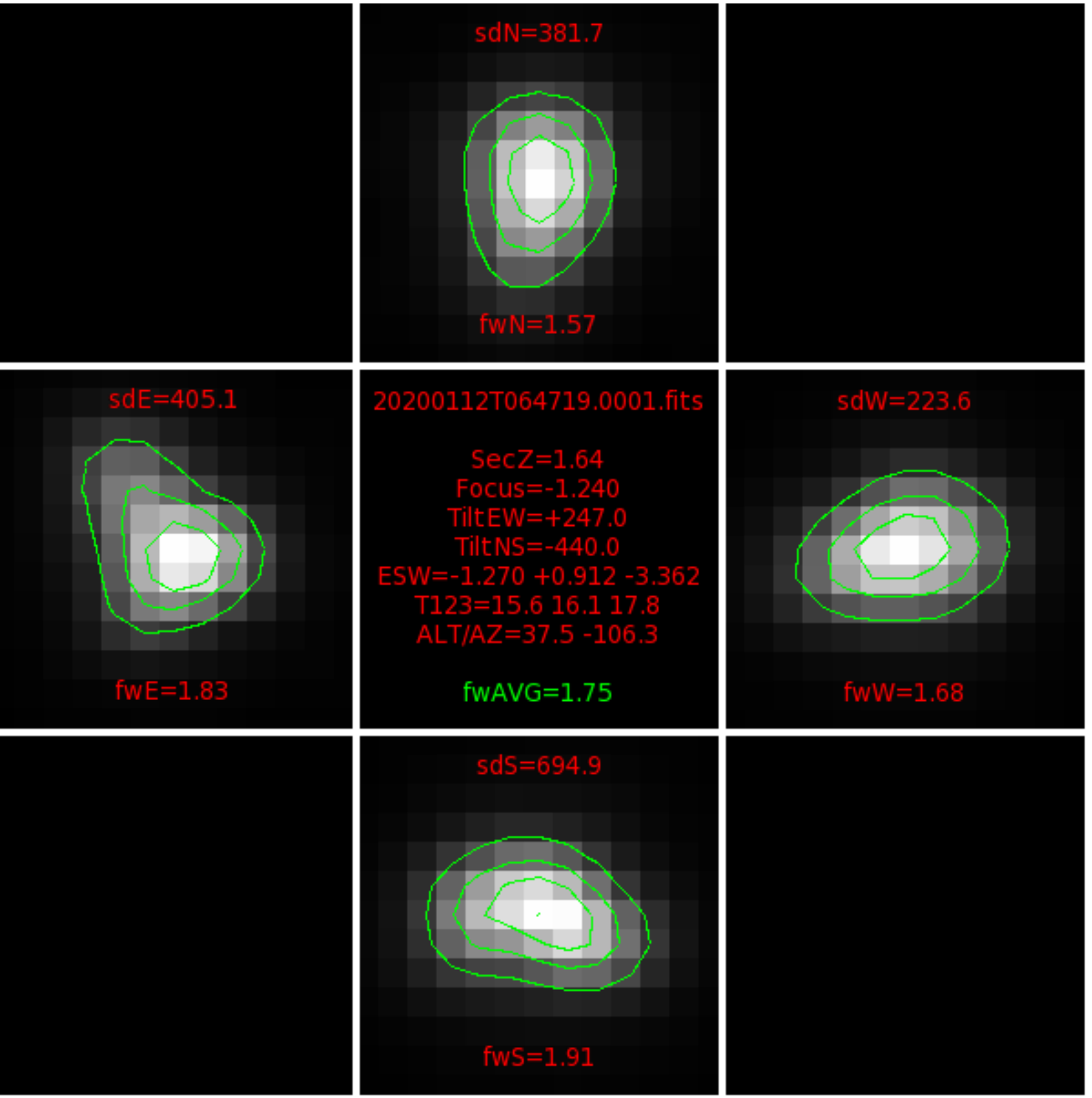
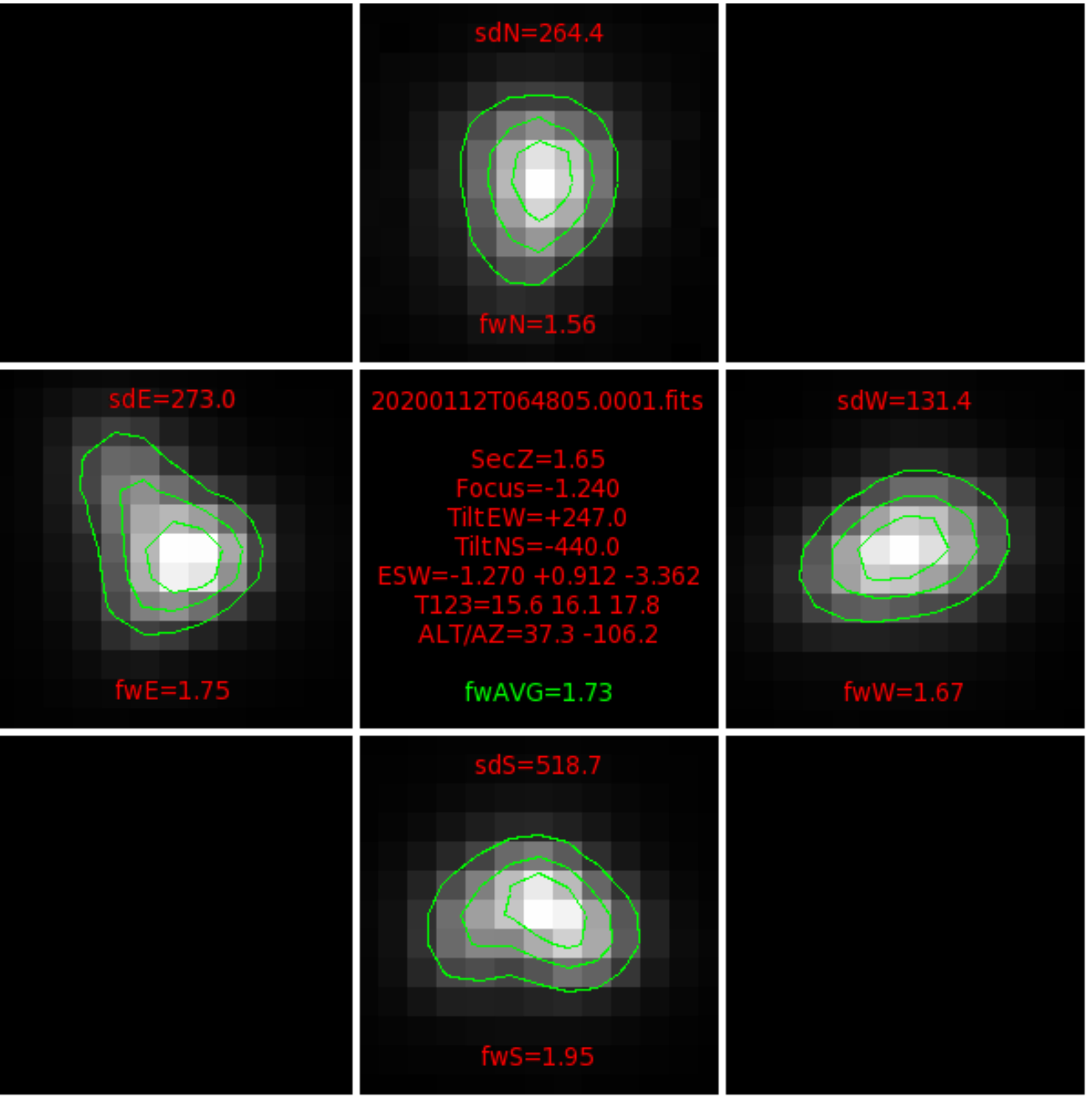
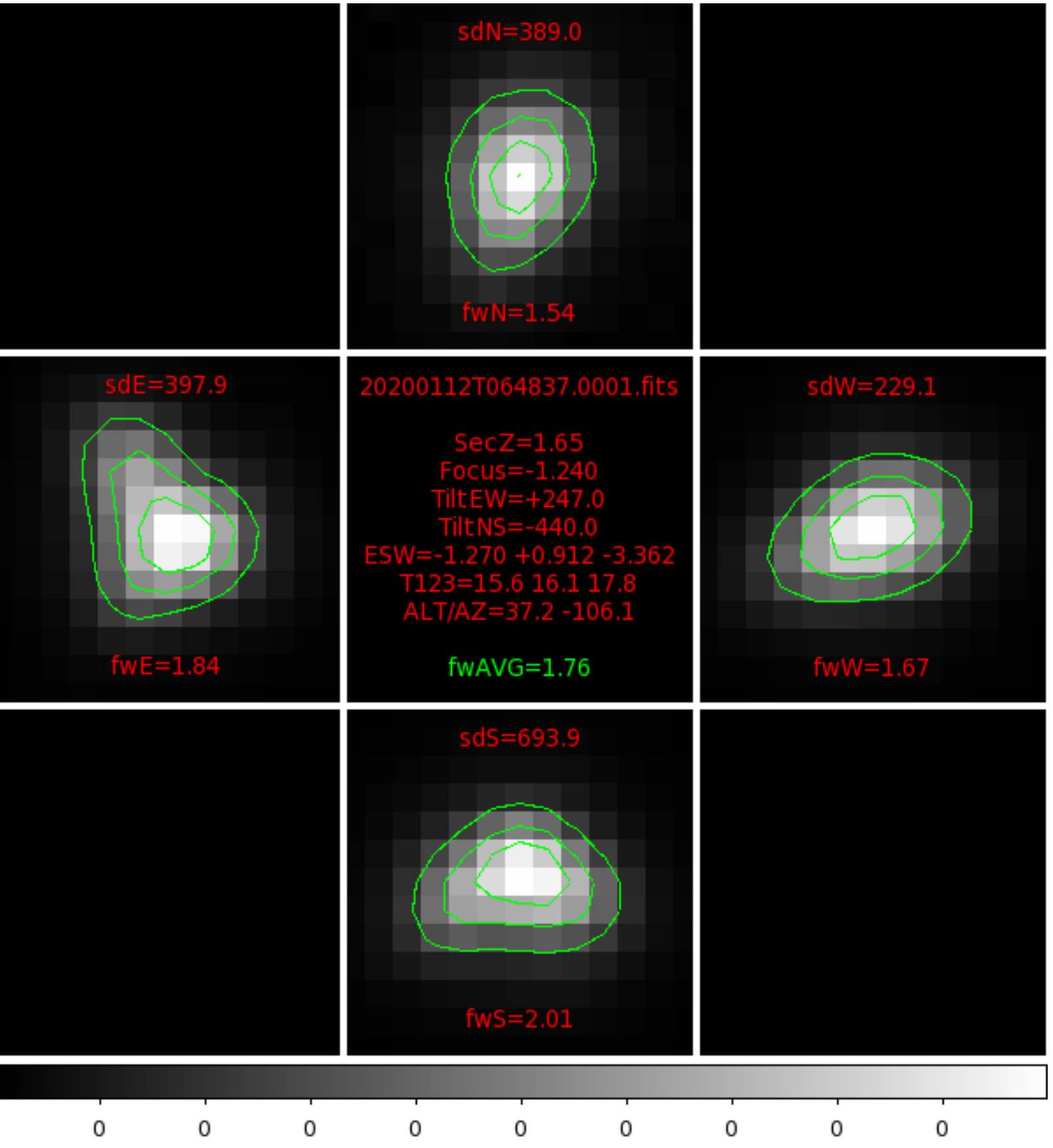
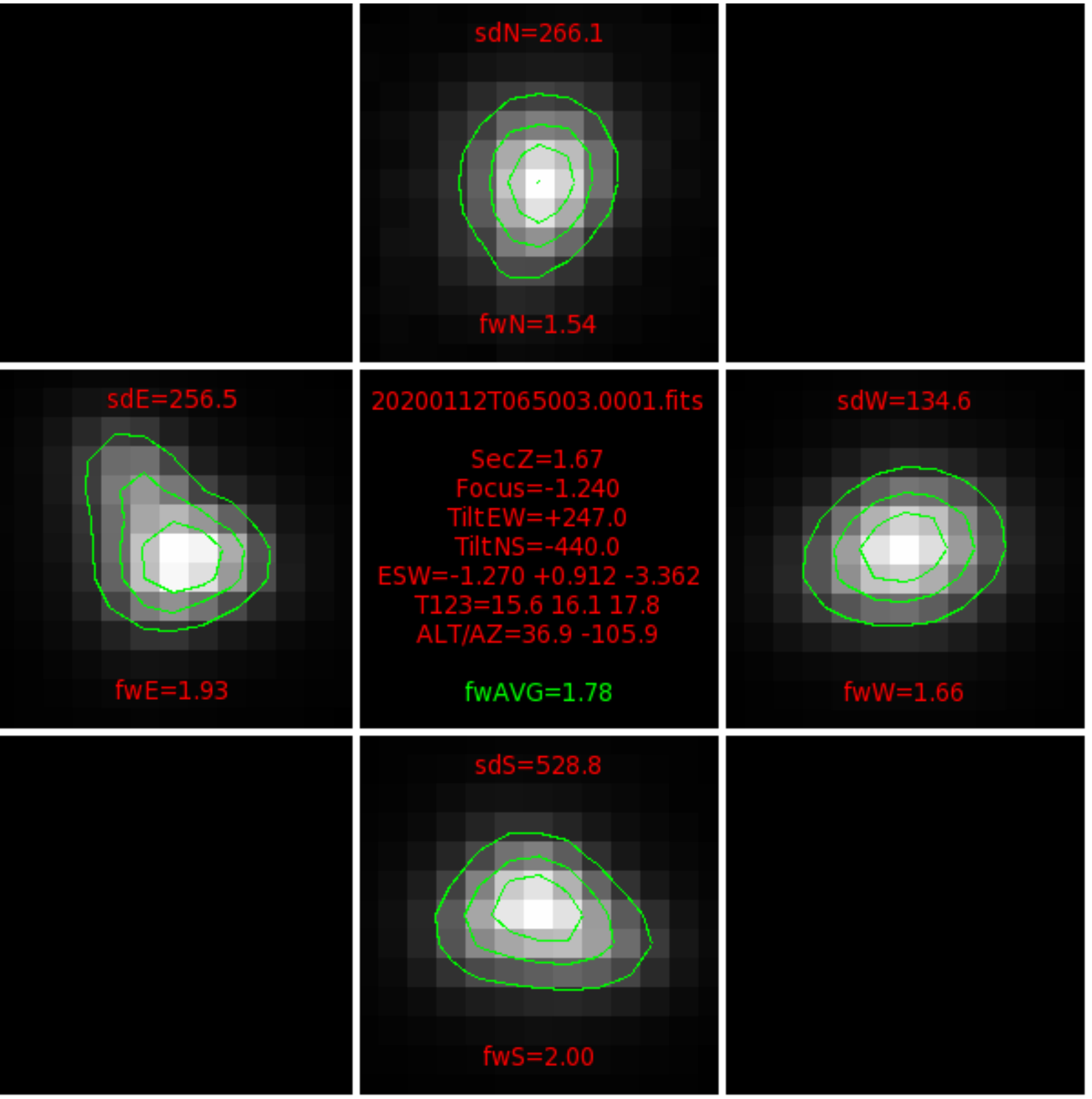
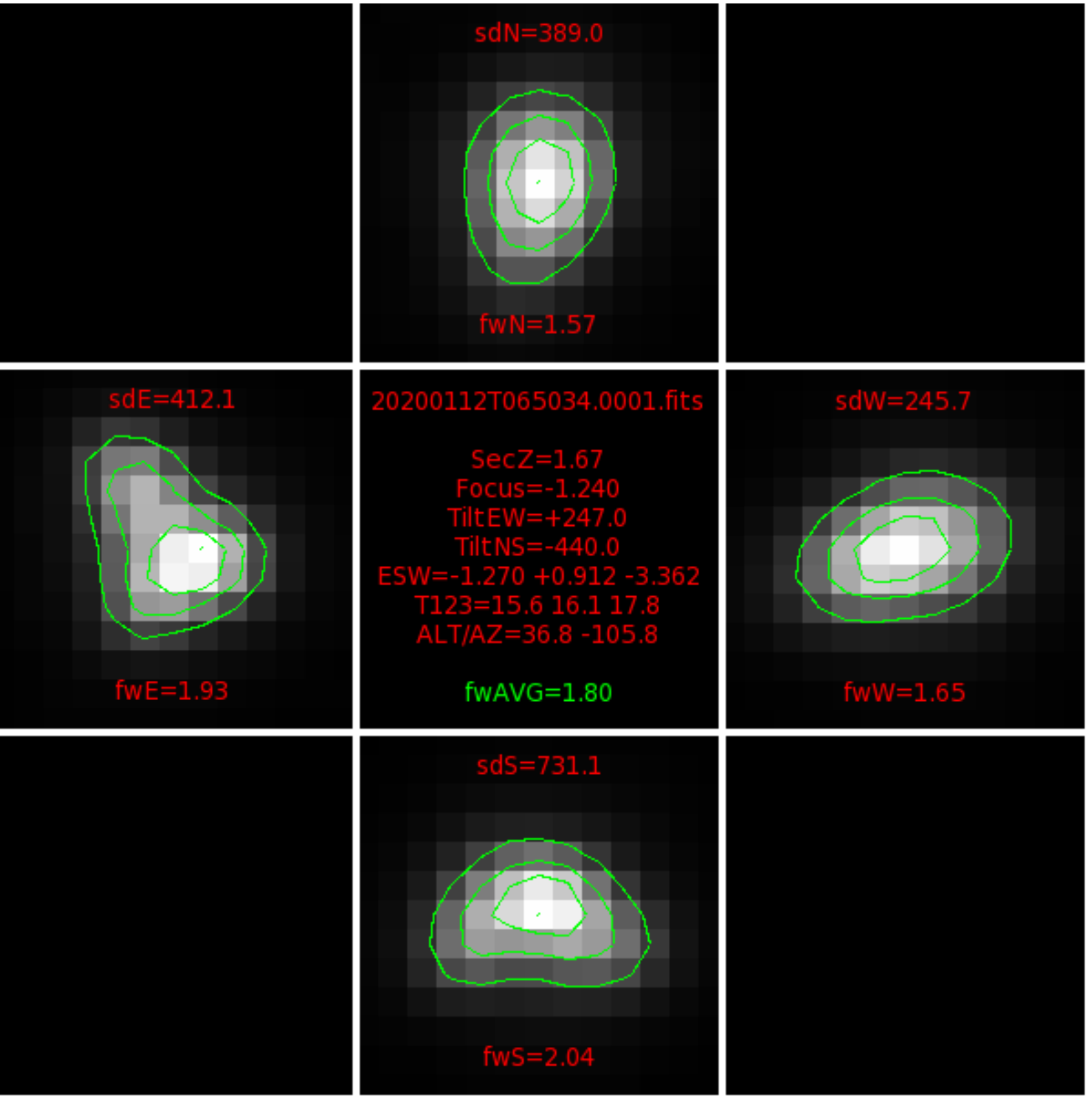

sdN=180.6
fwN=1.72
sdE=203.7
fwE=1.90
20200112T064648.0001.fits
SecZ=1.64
Focus=-1.240
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.270 +0.912 -3.362
T123=15.6 16.1 17.8
ALT/AZ=37.6 -106.4
fwAVG=1.85
sdW=70.9
fwW=1.80
sdS=405.7
fwS=1.97
0 0 0 0 0 0 0 0 0


sdN=381.7
fwN=1.57
sdE=405.1
fwE=1.83
20200112T064719.0001.fits
SecZ=1.64
Focus=-1.240
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.270 +0.912 -3.362
T123=15.6 16.1 17.8
ALT/AZ=37.5 -106.3
fwAVG=1.75
sdW=223.6
fwW=1.68
sdS=694.9
fwS=1.91
0 0 0 0 0 0 0 0 0


sdN=264.4
fwN=1.56
sdE=273.0
fwE=1.75
20200112T064805.0001.fits
SecZ=1.65
Focus=-1.240
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.270 +0.912 -3.362
T123=15.6 16.1 17.8
ALT/AZ=37.3 -106.2
fwAVG=1.73
sdW=131.4
fwW=1.67
sdS=518.7
fwS=1.95
0 0 0 0 0 0 0 0 0


sdN=389.0
fwN=1.54
sdE=397.9
fwE=1.84
20200112T064837.0001.fits
SecZ=1.65
Focus=-1.240
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.270 +0.912 -3.362
T123=15.6 16.1 17.8
ALT/AZ=37.2 -106.1
fwAVG=1.76
sdW=229.1
fwW=1.67
sdS=693.9
fwS=2.01
0 0 0 0 0 0 0 0 0


sdN=266.1
fwN=1.54
sdE=256.5
fwE=1.93
20200112T065003.0001.fits
SecZ=1.67
Focus=-1.240
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.270 +0.912 -3.362
T123=15.6 16.1 17.8
ALT/AZ=36.9 -105.9
fwAVG=1.78
sdW=134.6
fwW=1.66
sdS=528.8
fwS=2.00
0 0 0 0 0 0 0 0 0


sdN=389.0
fwN=1.57
sdE=412.1
fwE=1.93
20200112T065034.0001.fits
SecZ=1.67
Focus=-1.240
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.270 +0.912 -3.362
T123=15.6 16.1 17.8
ALT/AZ=36.8 -105.8
fwAVG=1.80
sdW=245.7
fwW=1.65
sdS=731.1
fwS=2.04
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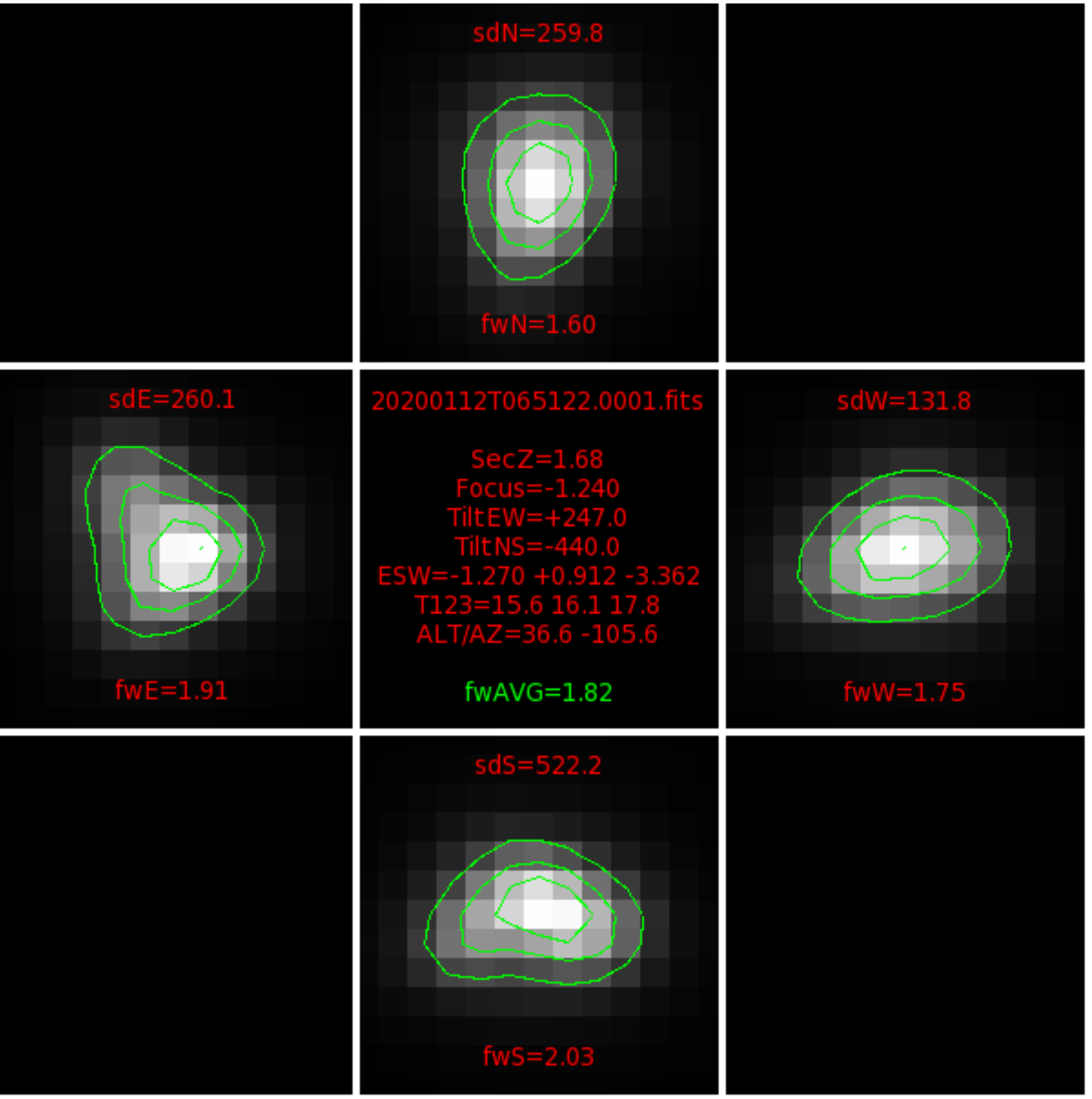
sdN=259.8
fwN=1.60
sdE=260.1
fwE=1.91
20200112T065122.0001.fits
SecZ=1.68
Focus=-1.240
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.270 +0.912 -3.362
T123=15.6 16.1 17.8
ALT/AZ=36.6 -105.6
fwAVG=1.82
sdW=131.8
fwW=1.75
sdS=522.2
fwS=2.03
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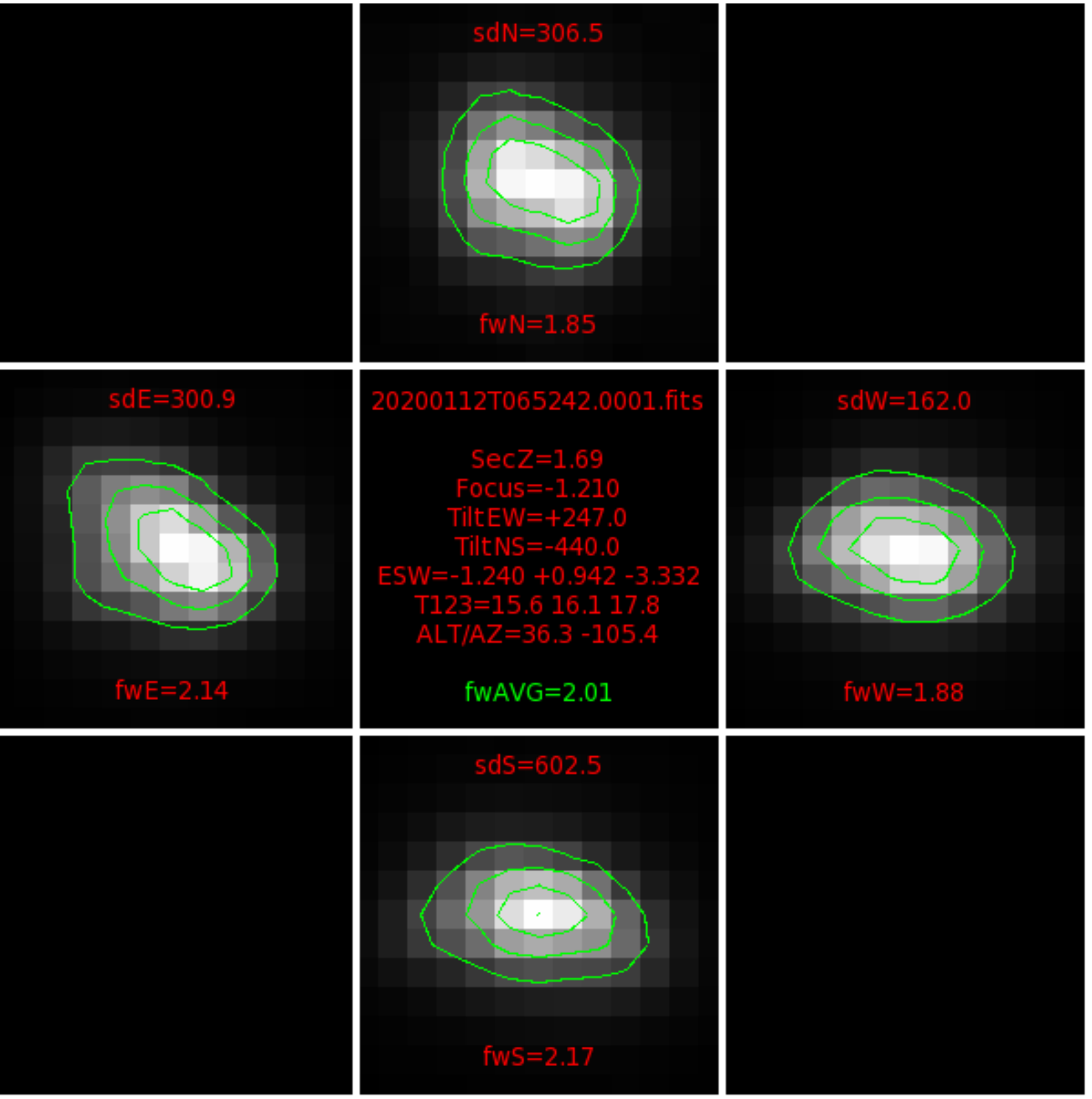
sdN=306.5
fwN=1.85
sdE=300.9
fwE=2.14
20200112T065242.0001.fits
SecZ=1.69
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.1 17.8
ALT/AZ=36.3 -105.4
fwAVG=2.01
sdW=162.0
fwW=1.88
sdS=602.5
fwS=2.17
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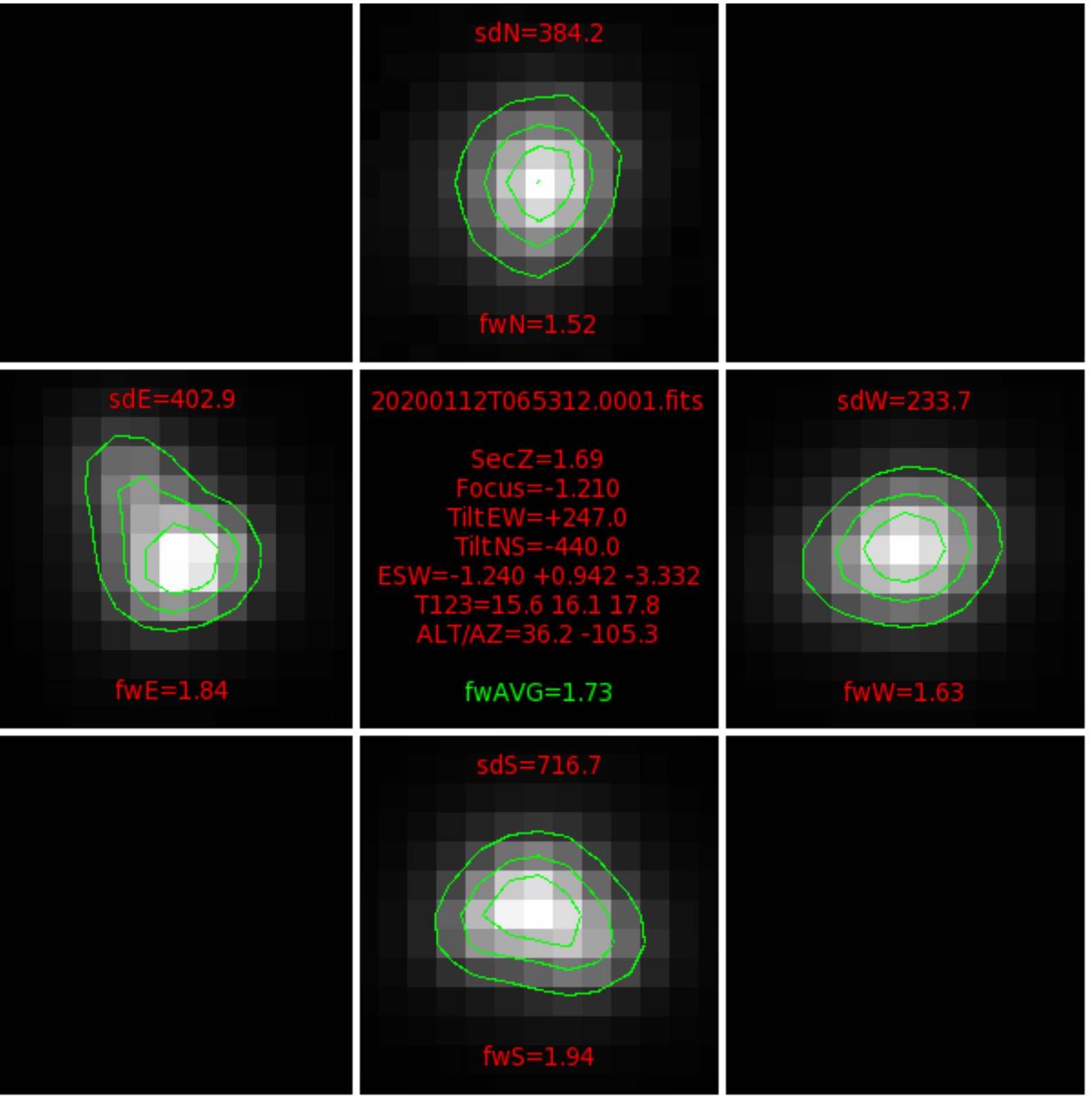
sdN=384.2
fwN=1.52
sdE=402.9
fwE=1.84
20200112T065312.0001.fits
SecZ=1.69
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.1 17.8
ALT/AZ=36.2 -105.3
fwAVG=1.73
sdW=233.7
fwW=1.63
sdS=716.7
fwS=1.94
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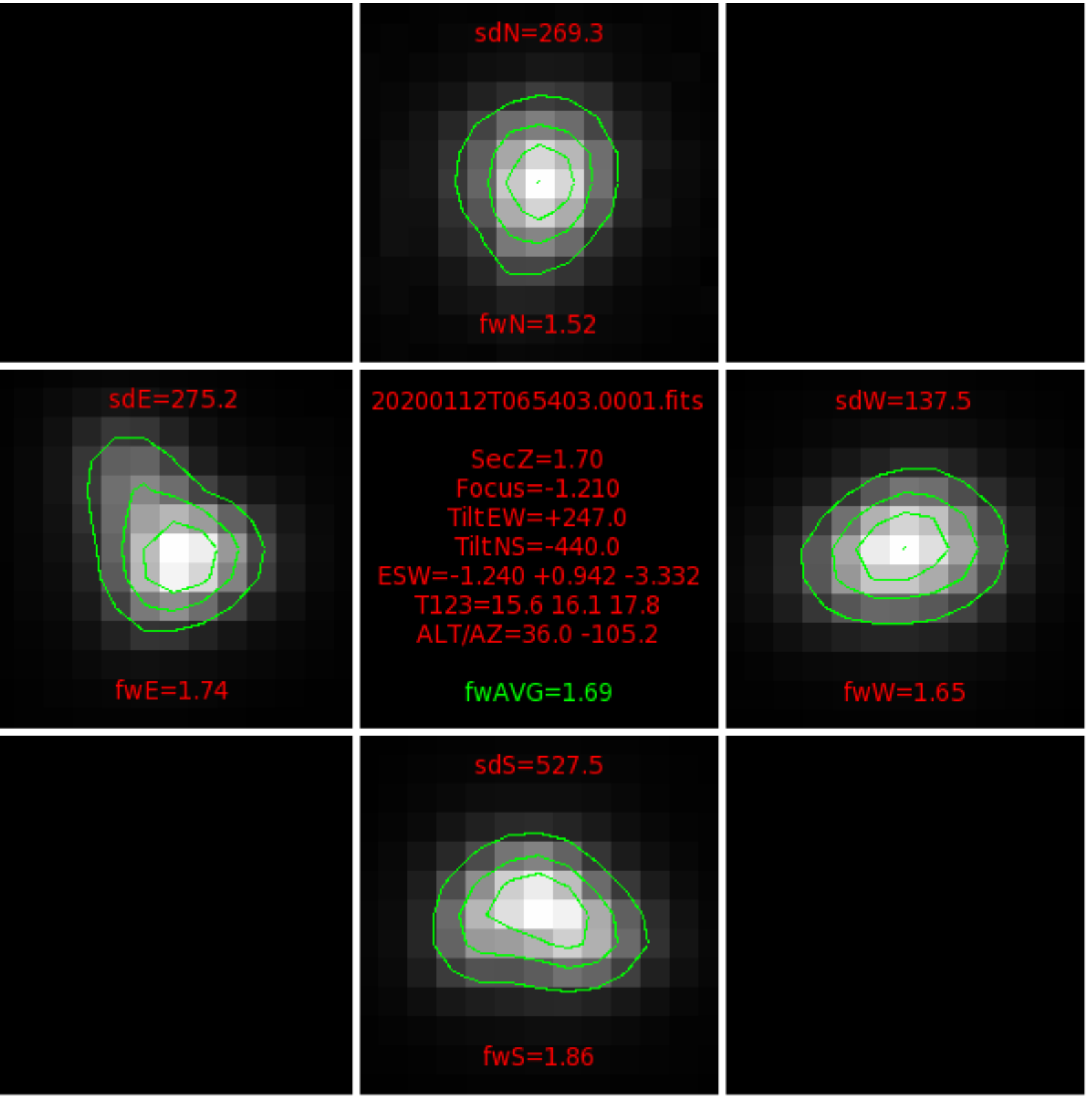
sdN=269.3
fwN=1.52
sdE=275.2
fwE=1.74
20200112T065403.0001.fits
SecZ=1.70
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.1 17.8
ALT/AZ=36.0 -105.2
fwAVG=1.69
sdW=137.5
fwW=1.65
sdS=527.5
fwS=1.86
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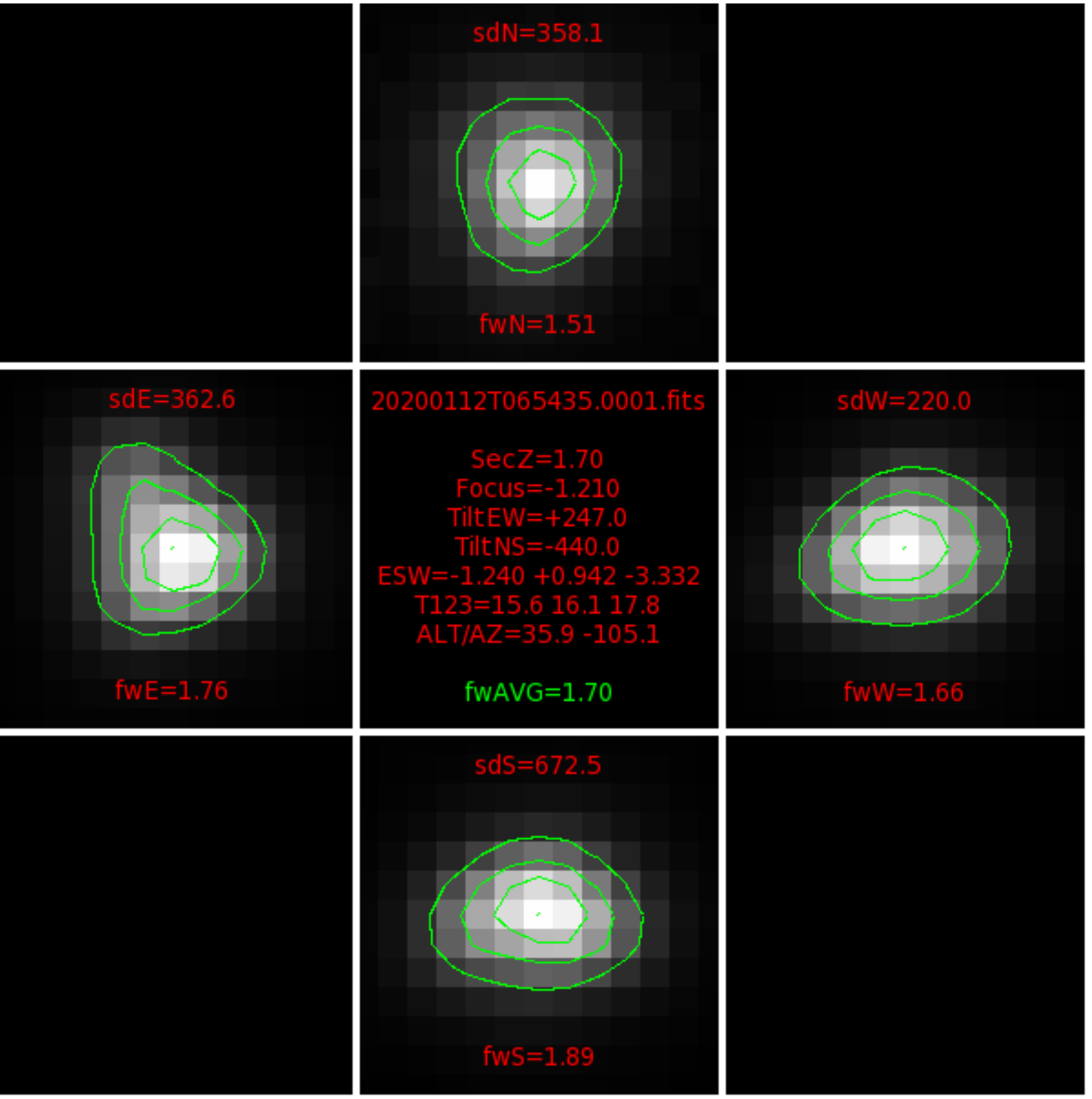
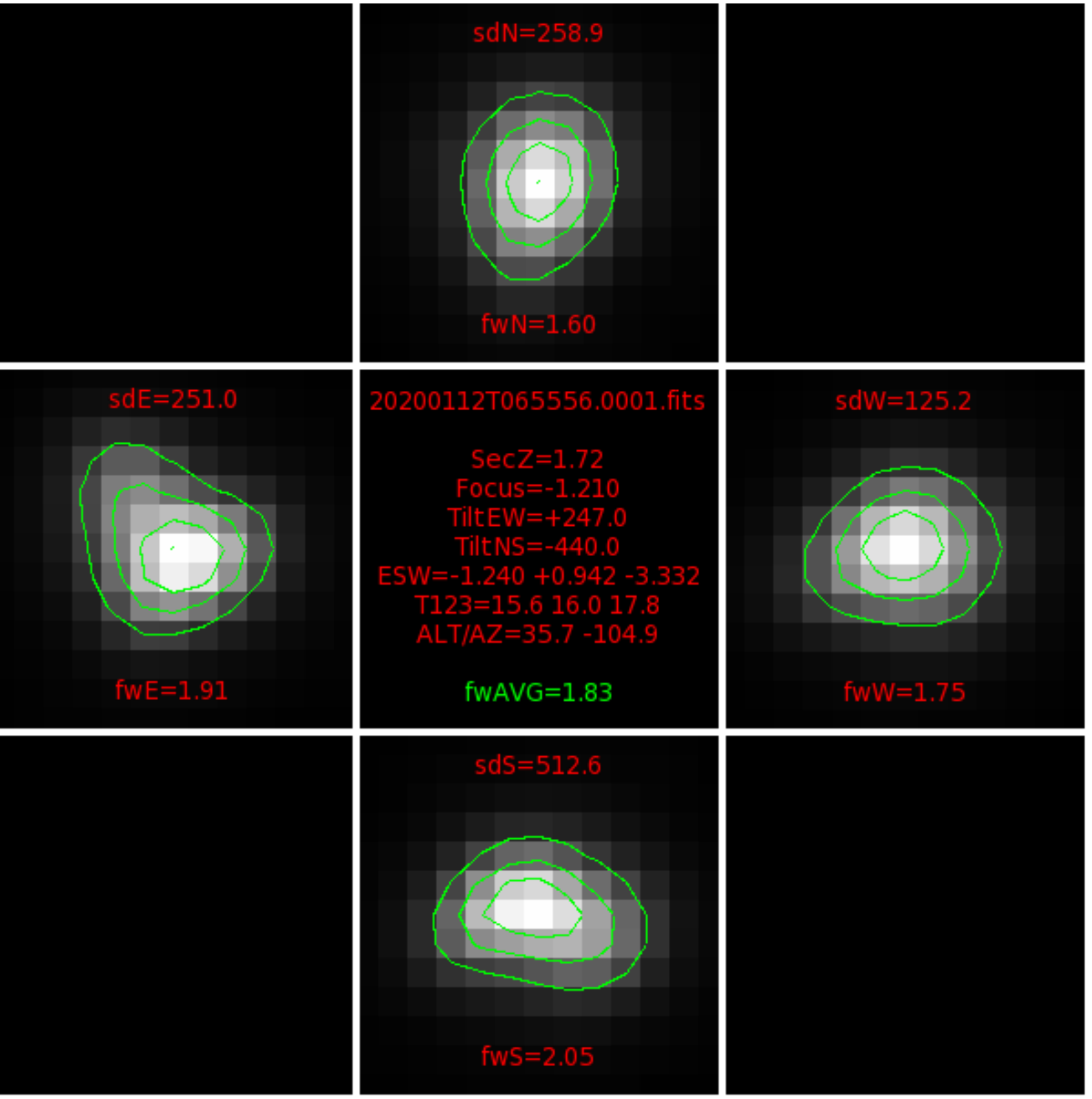

sdN=358.1
fwN=1.51
sdE=362.6
fwE=1.76
20200112T065435.0001.fits
SecZ=1.70
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.1 17.8
ALT/AZ=35.9 -105.1
fwAVG=1.70
sdW=220.0
fwW=1.66
sdS=672.5
fwS=1.89
0 0 0 0 0 0 0 0 0


sdN=258.9
fwN=1.60
sdE=251.0
fwE=1.91
20200112T065556.0001.fits
SecZ=1.72
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.8
ALT/AZ=35.7 -104.9
fwAVG=1.83
sdW=125.2
fwW=1.75
sdS=512.6
fwS=2.05
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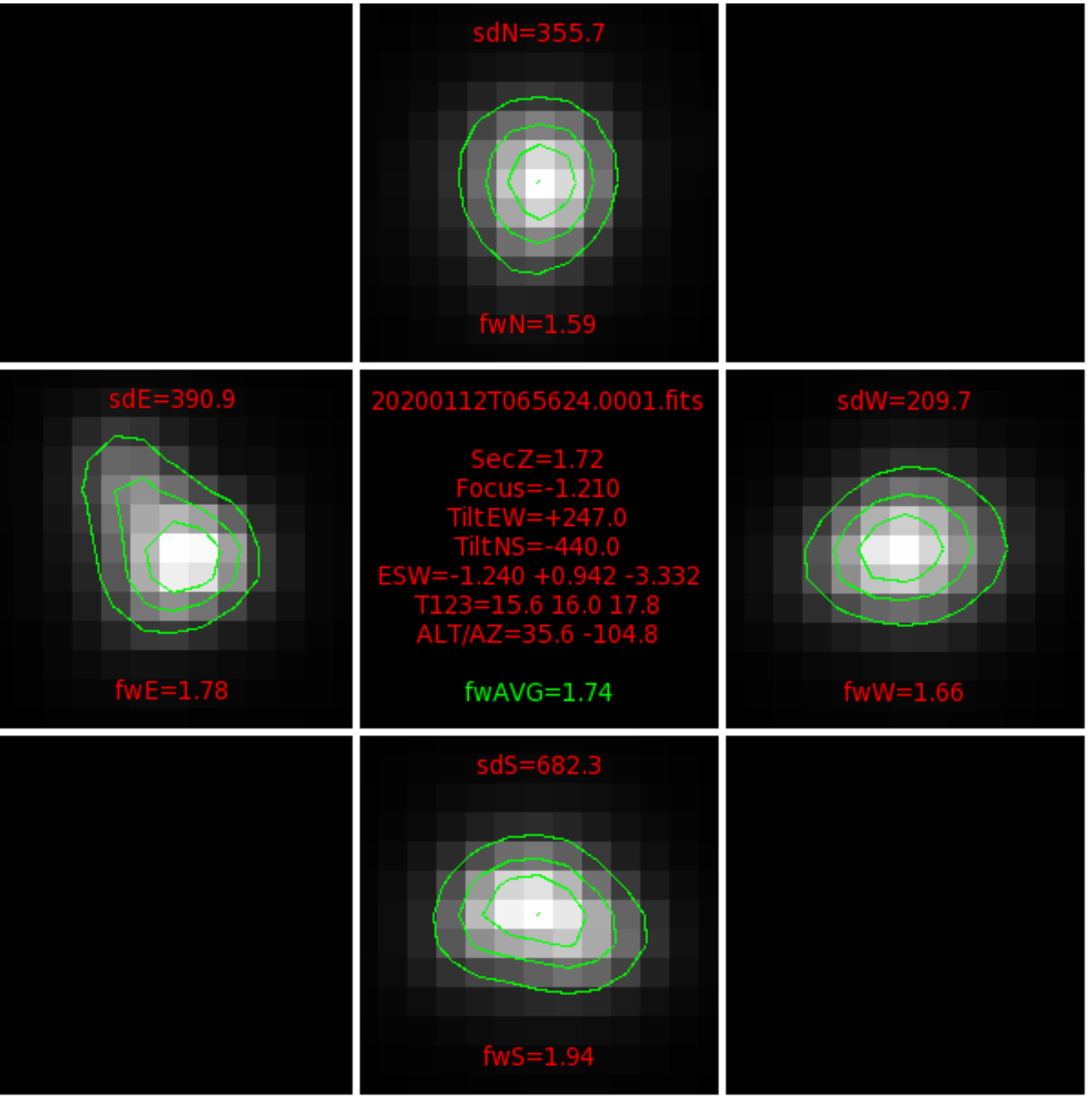
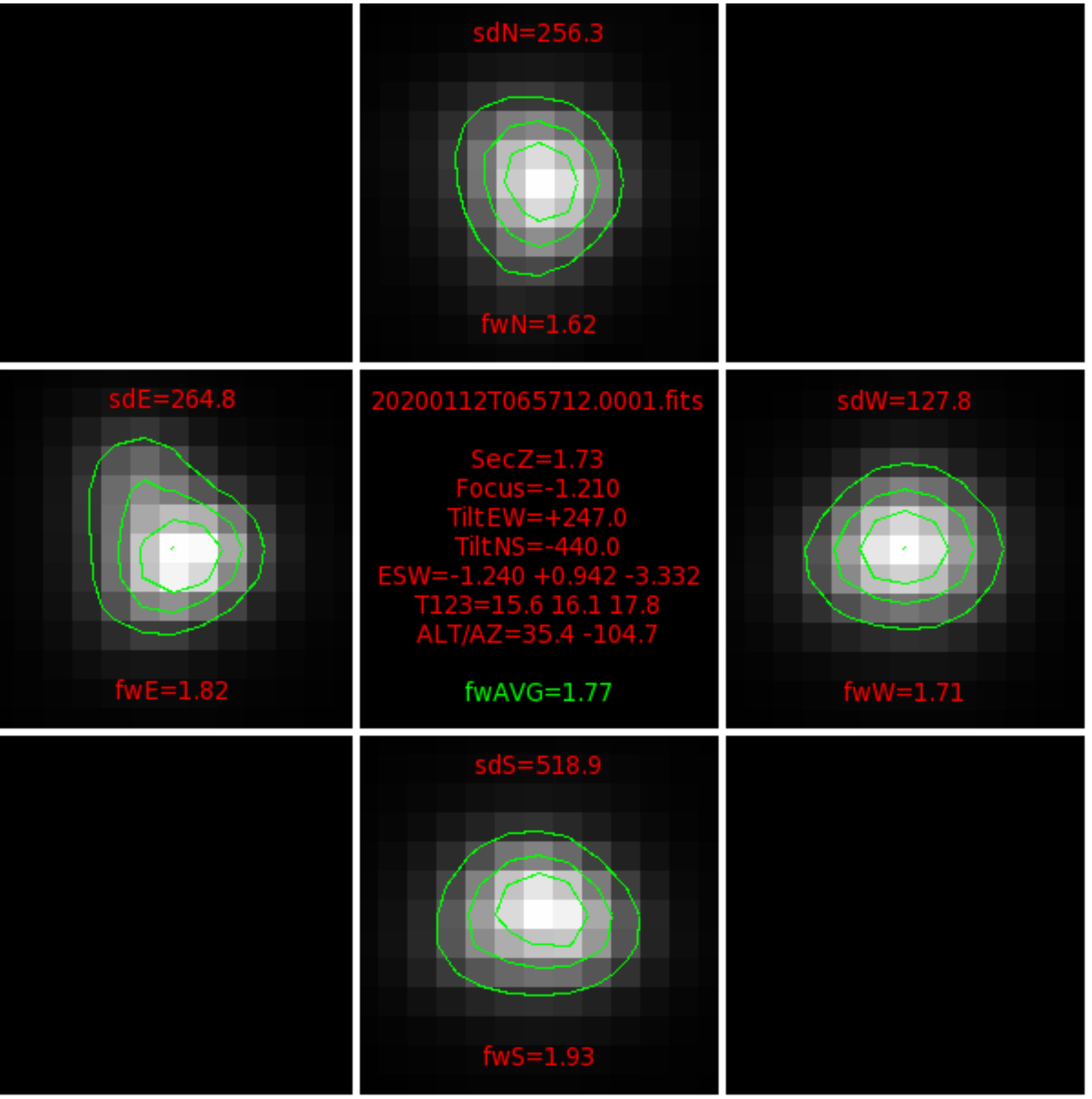

sdN=355.7
fwN=1.59
sdE=390.9
fwE=1.78
20200112T065624.0001.fits
SecZ=1.72
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.8
ALT/AZ=35.6 -104.8
fwAVG=1.74
sdW=209.7
fwW=1.66
sdS=682.3
fwS=1.94
0 0 0 0 0 0 0 0 0


sdN=256.3
fwN=1.62
sdE=264.8
fwE=1.82
20200112T065712.0001.fits
SecZ=1.73
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.1 17.8
ALT/AZ=35.4 -104.7
fwAVG=1.77
sdW=127.8
fwW=1.71
sdS=518.9
fwS=1.93
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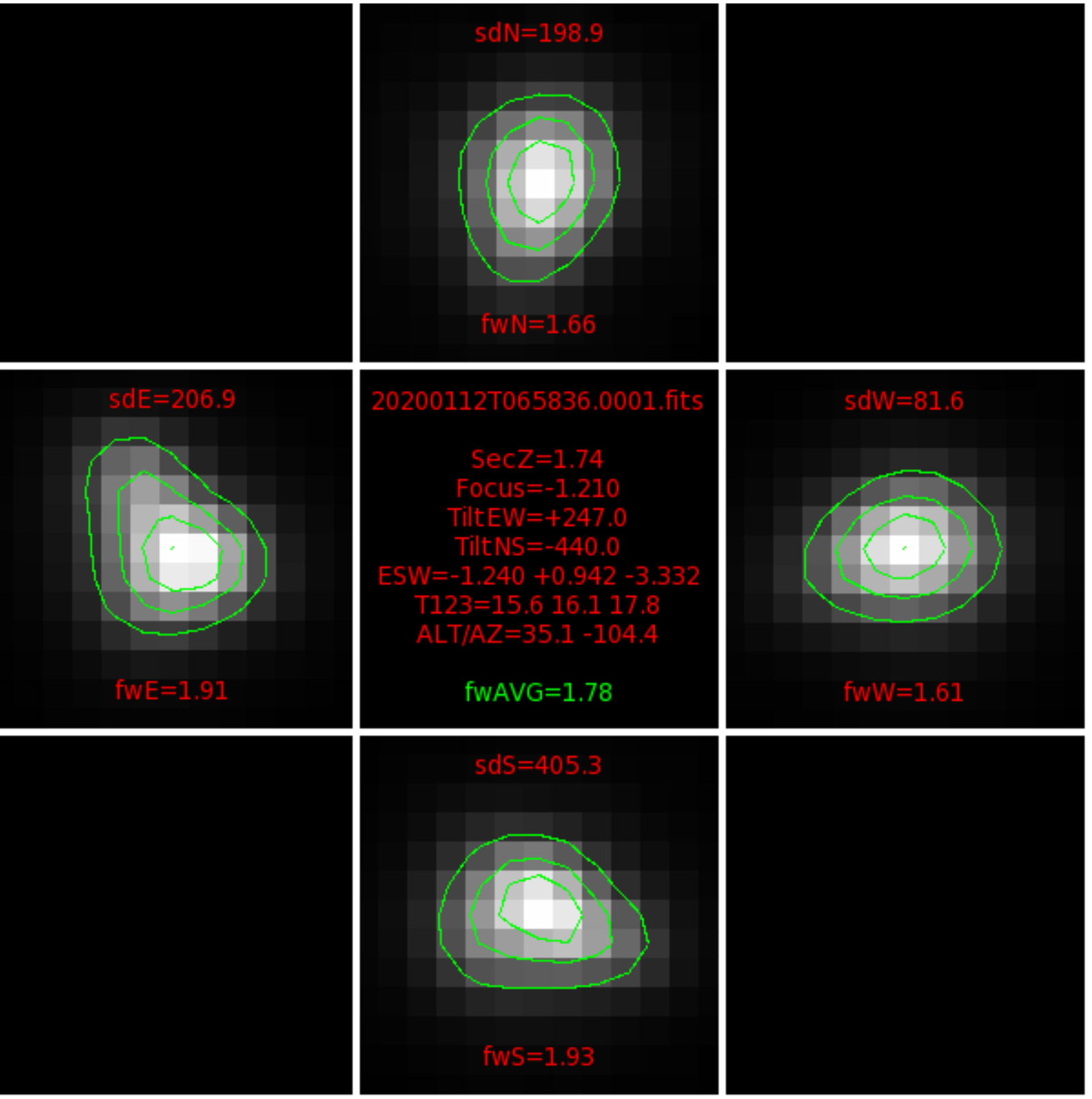
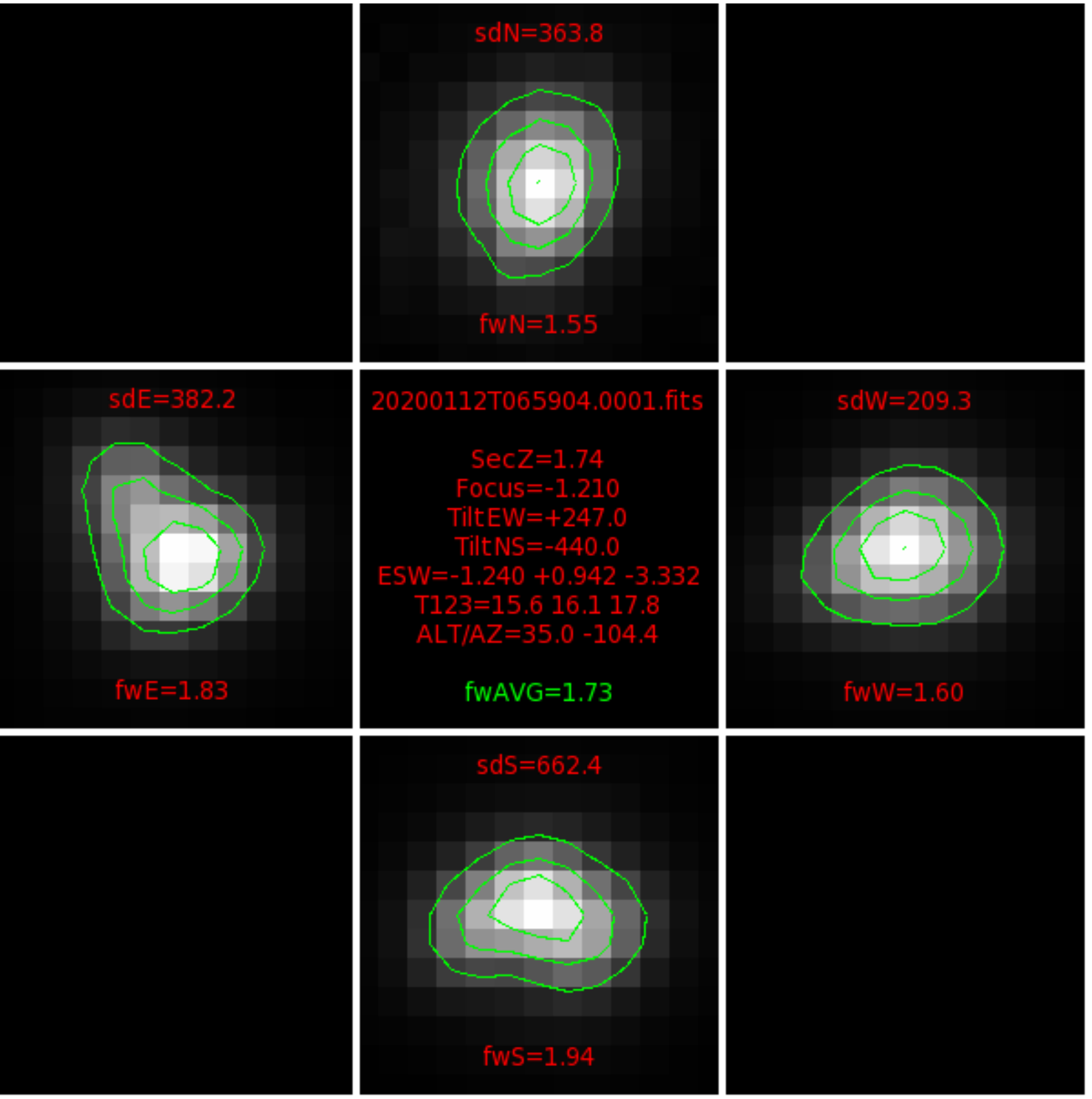
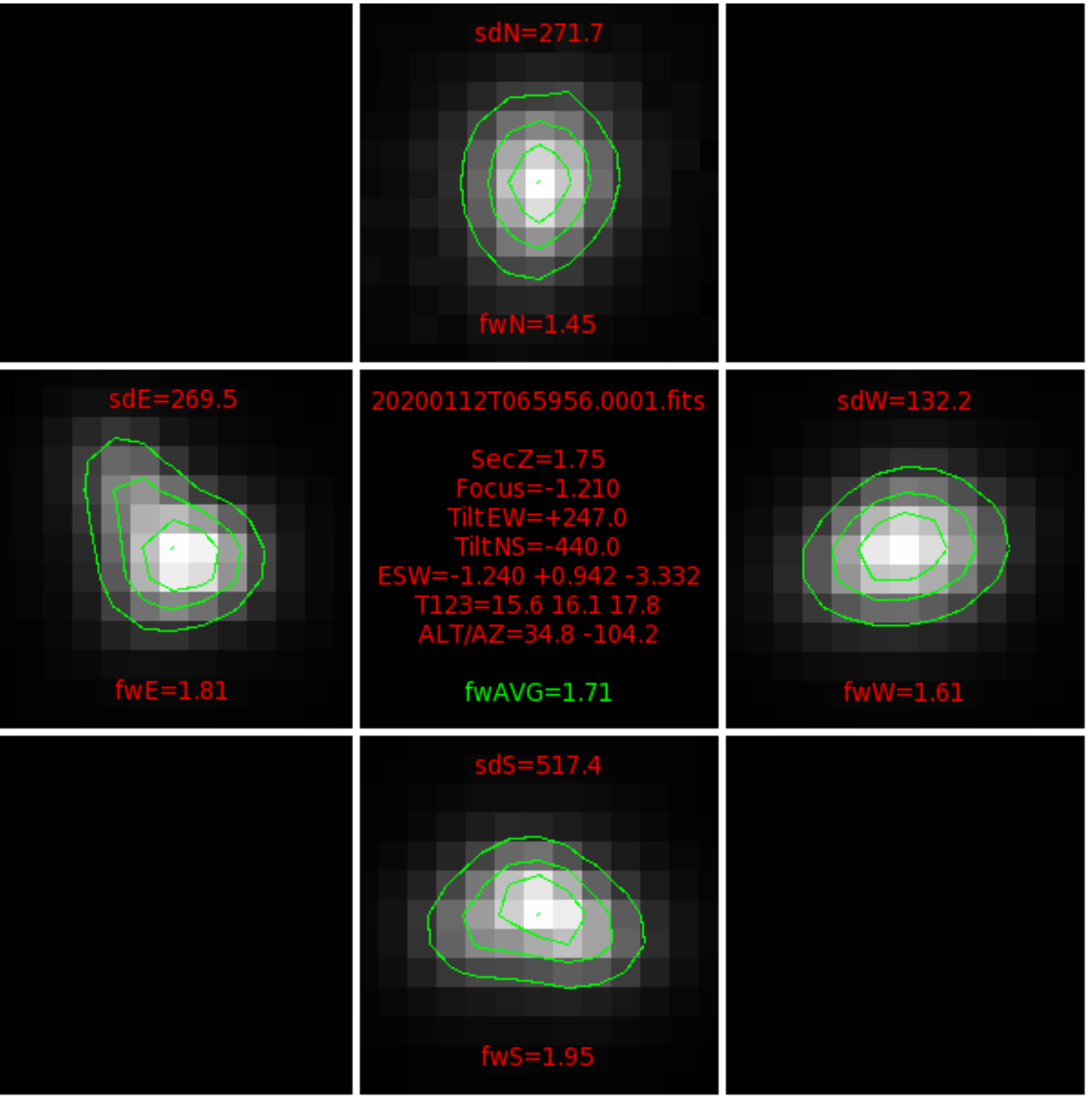

sdN=198.9
fwN=1.66
sdE=206.9
fwE=1.91
20200112T065836.0001.fits
SecZ=1.74
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.1 17.8
ALT/AZ=35.1 -104.4
fwAVG=1.78
sdW=81.6
fwW=1.61
sdS=405.3
fwS=1.93
0 0 0 0 0 0 0 0 0


sdN=363.8
fwN=1.55
sdE=382.2
fwE=1.83
20200112T065904.0001.fits
SecZ=1.74
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.1 17.8
ALT/AZ=35.0 -104.4
fwAVG=1.73
sdW=209.3
fwW=1.60
sdS=662.4
fwS=1.94
0 0 0 0 0 0 0 0 0


sdN=271.7
fwN=1.45
sdE=269.5
fwE=1.81
20200112T065956.0001.fits
SecZ=1.75
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.1 17.8
ALT/AZ=34.8 -104.2
fwAVG=1.71
sdW=132.2
fwW=1.61
sdS=517.4
fwS=1.95
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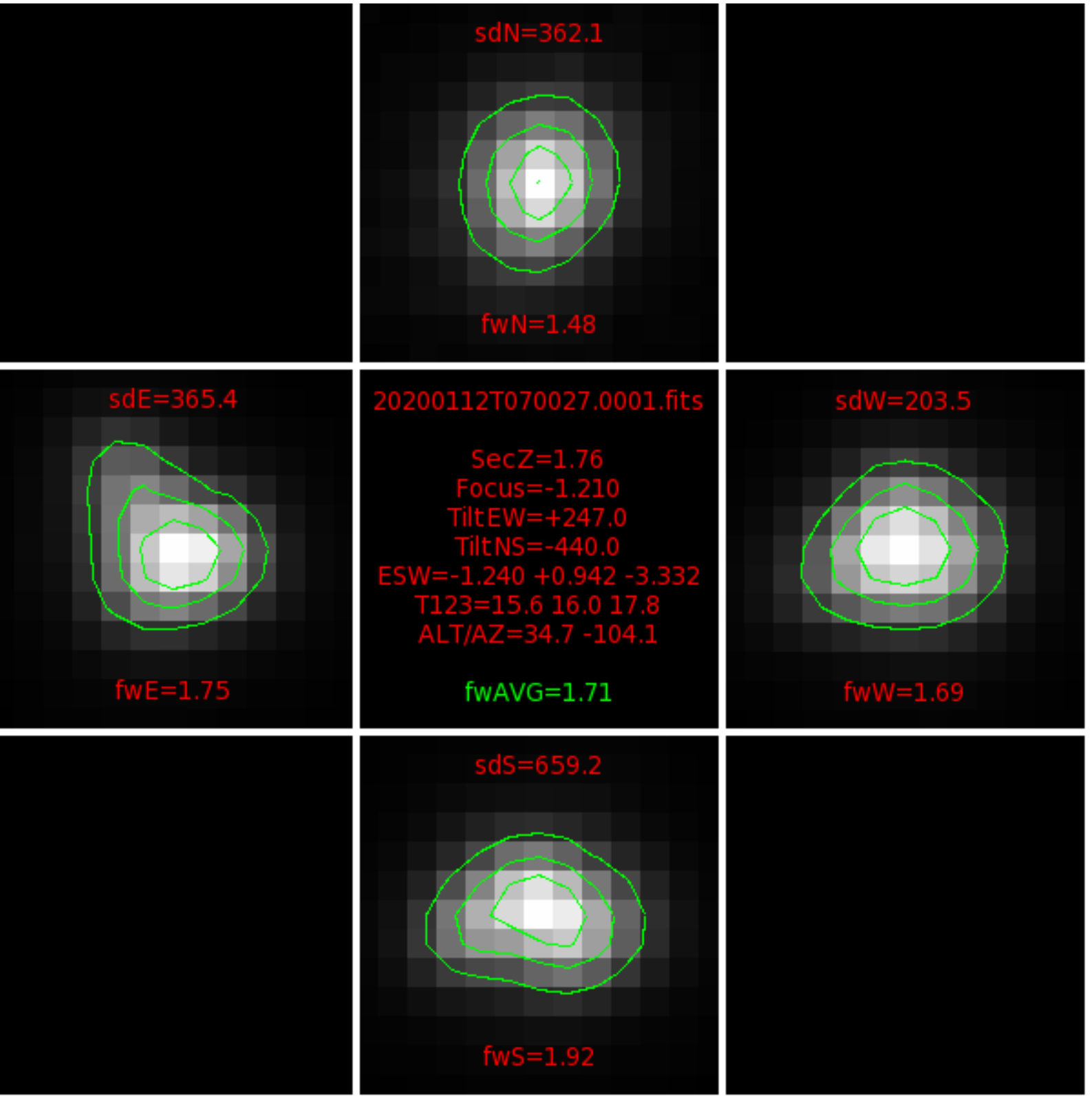
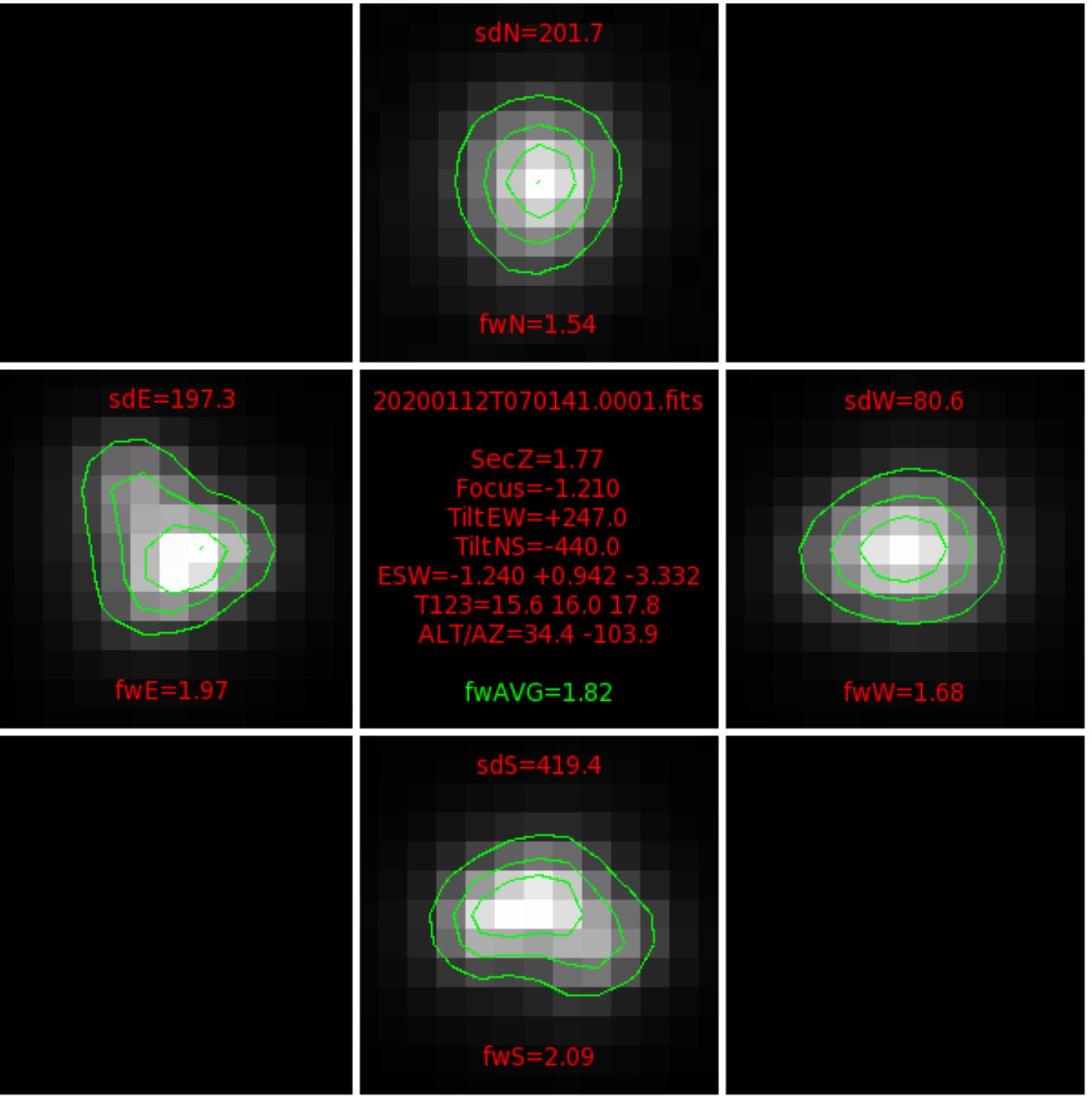
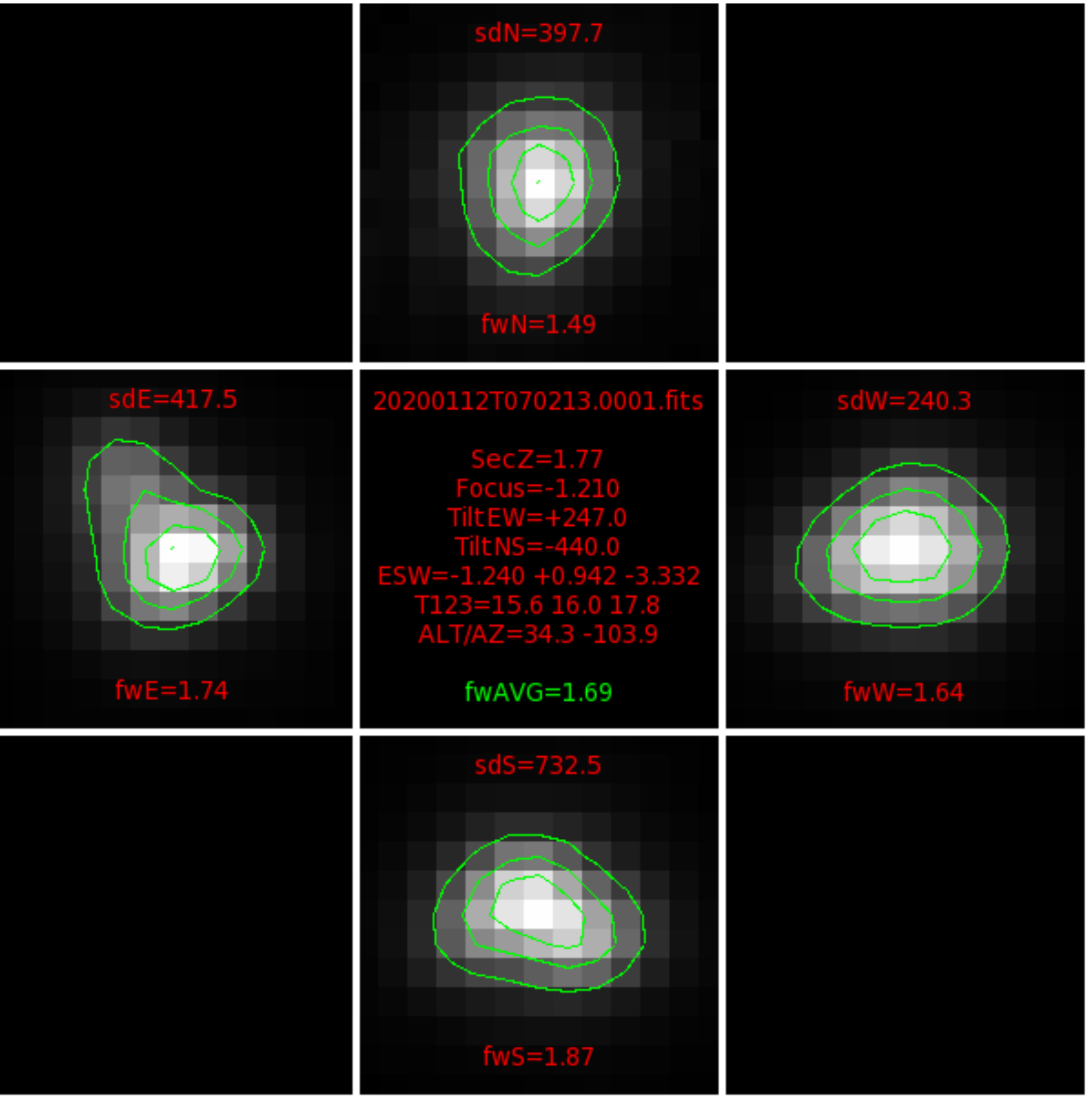

sdN=362.1
fwN=1.48
sdE=365.4
fwE=1.75
20200112T070027.0001.fits
SecZ=1.76
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.8
ALT/AZ=34.7 -104.1
fwAVG=1.71
sdW=203.5
fwW=1.69
sdS=659.2
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=201.7
fwN=1.54
sdE=197.3
fwE=1.97
20200112T070141.0001.fits
SecZ=1.77
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.8
ALT/AZ=34.4 -103.9
fwAVG=1.82
sdW=80.6
fwW=1.68
sdS=419.4
fwS=2.09
0 0 0 0 0 0 0 0 0


sdN=397.7
fwN=1.49
sdE=417.5
fwE=1.74
20200112T070213.0001.fits
SecZ=1.77
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.8
ALT/AZ=34.3 -103.9
fwAVG=1.69
sdW=240.3
fwW=1.64
sdS=732.5
fwS=1.87
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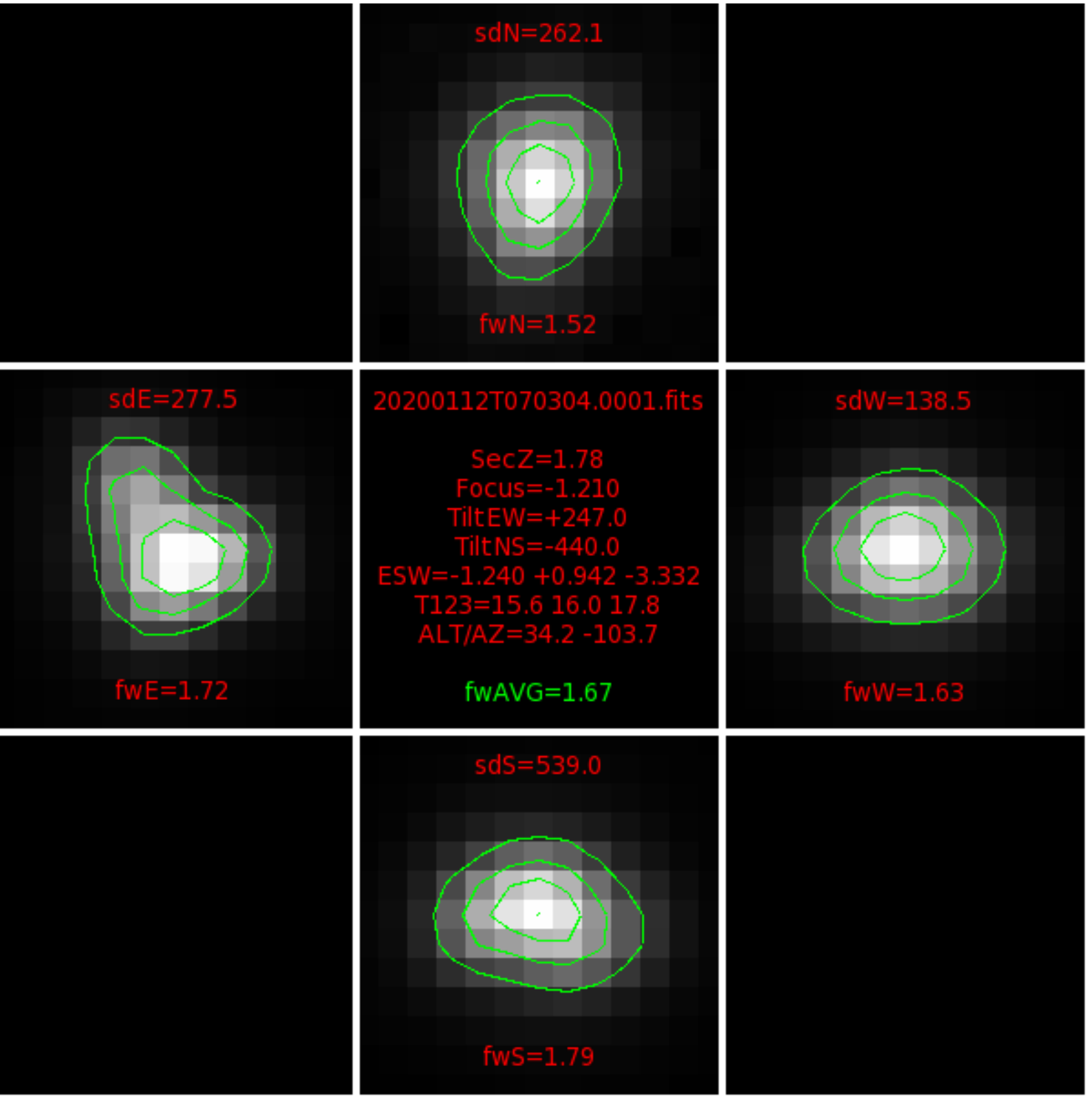
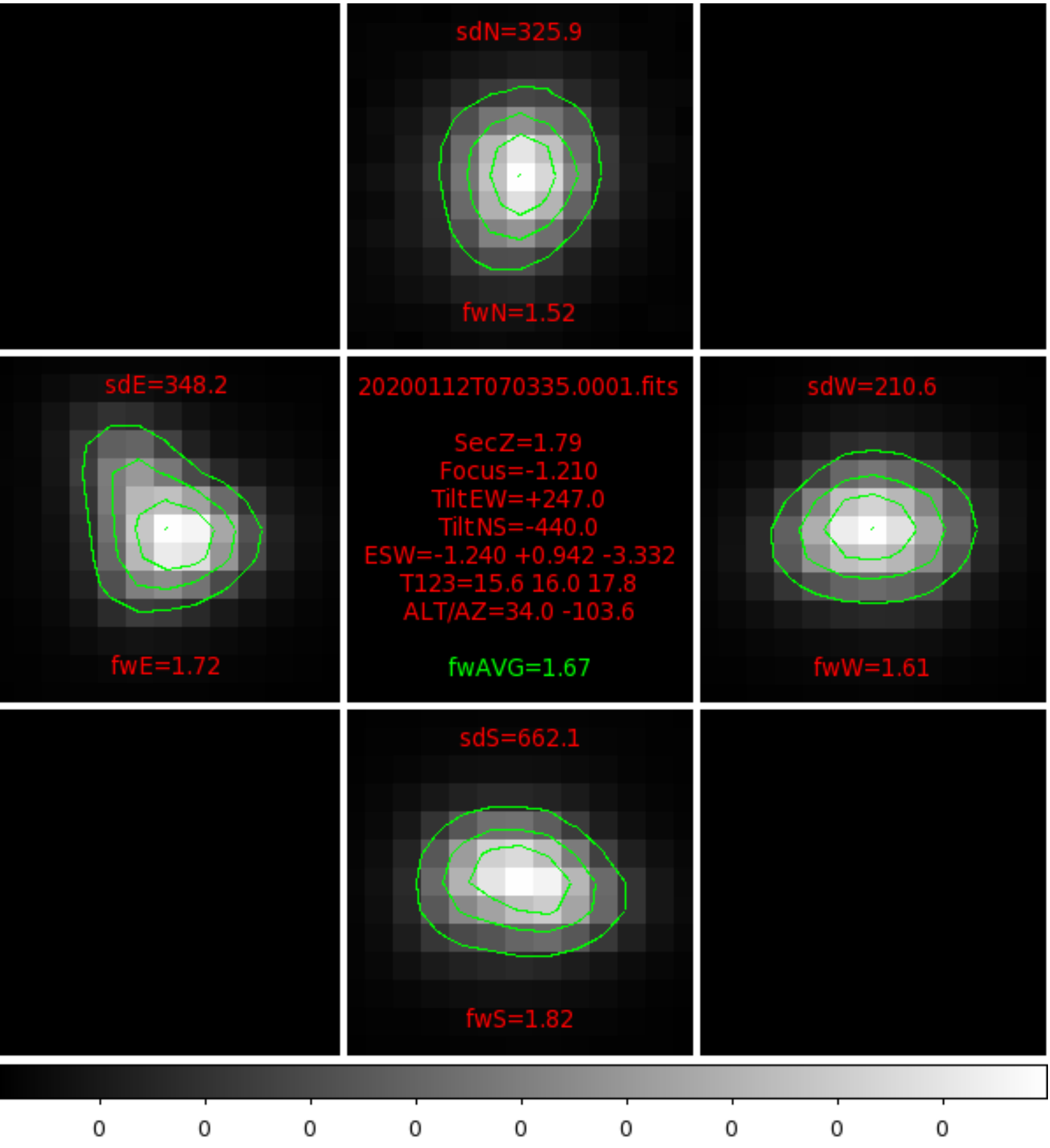
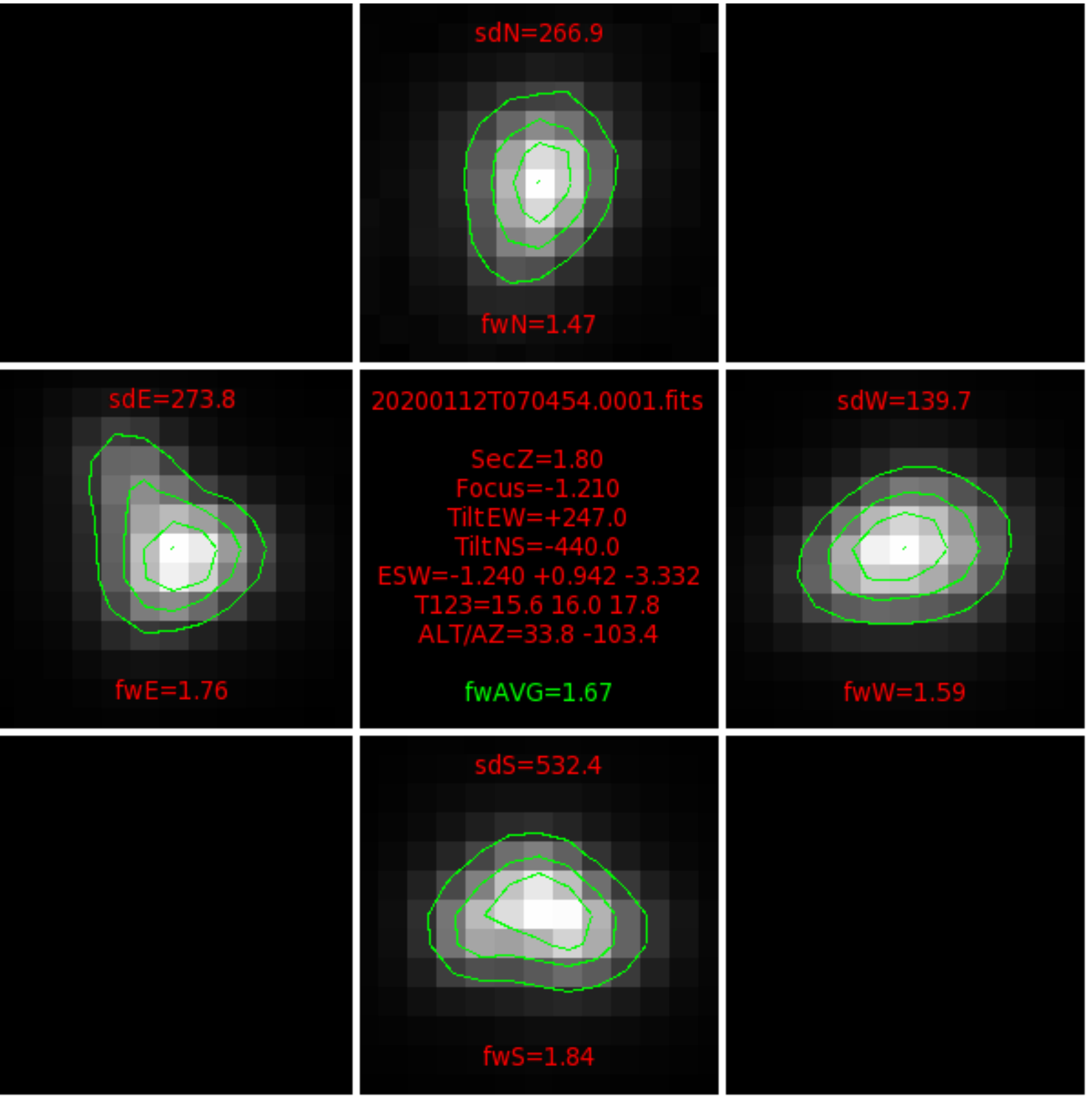

sdN=262.1
fwN=1.52
sdE=277.5
fwE=1.72
20200112T070304.0001.fits
SecZ=1.78
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.8
ALT/AZ=34.2 -103.7
fwAVG=1.67
sdW=138.5
fwW=1.63
sdS=539.0
fwS=1.79
0 0 0 0 0 0 0 0 0


sdN=325.9
fwN=1.52
sdE=348.2
fwE=1.72
20200112T070335.0001.fits
SecZ=1.79
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.8
ALT/AZ=34.0 -103.6
fwAVG=1.67
sdW=210.6
fwW=1.61
sdS=662.1
fwS=1.82
0 0 0 0 0 0 0 0 0


sdN=266.9
fwN=1.47
sdE=273.8
fwE=1.76
20200112T070454.0001.fits
SecZ=1.80
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.8
ALT/AZ=33.8 -103.4
fwAVG=1.67
sdW=139.7
fwW=1.59
sdS=532.4
fwS=1.84
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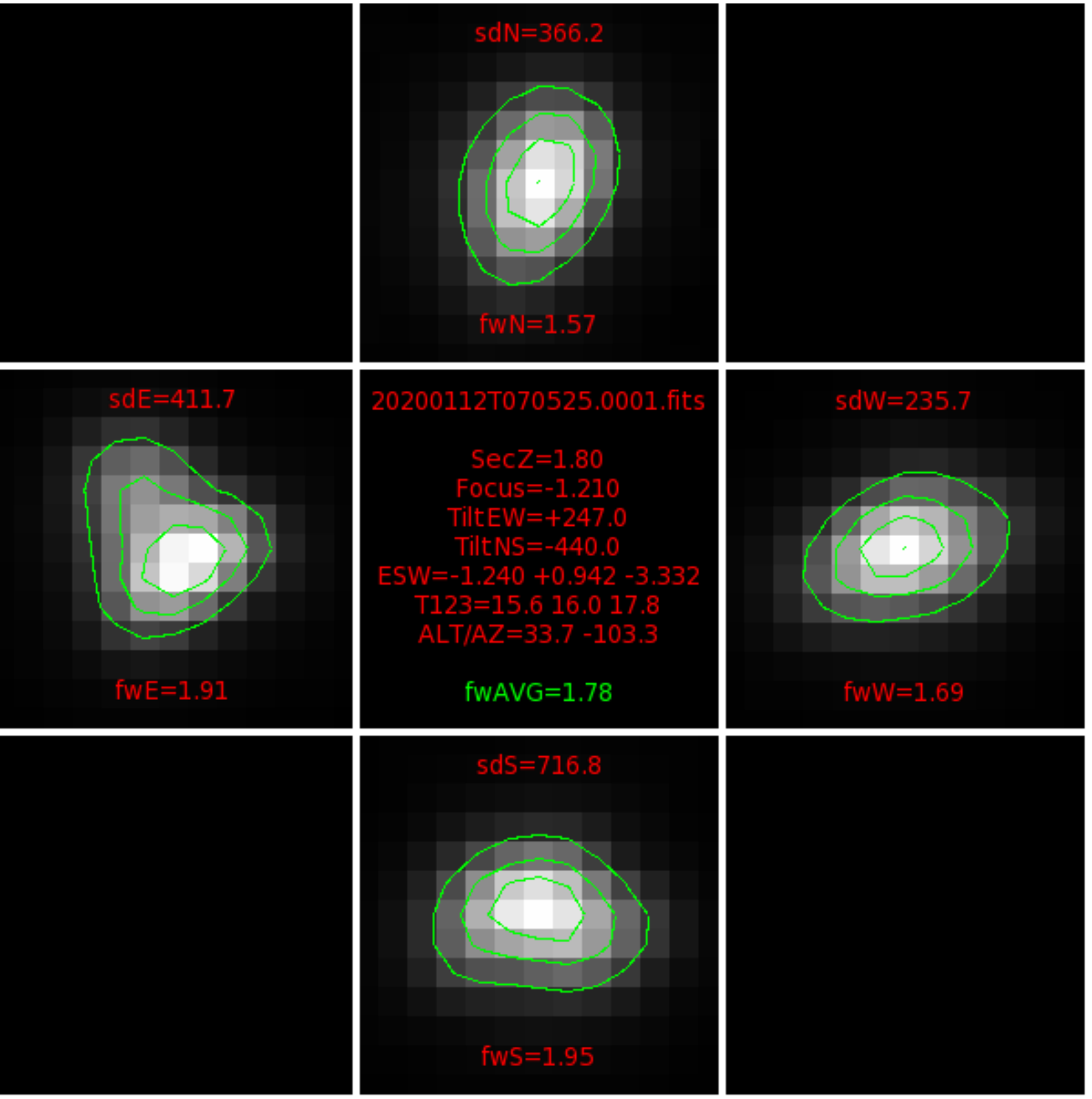
sdN=366.2
fwN=1.57
sdE=411.7
fwE=1.91
20200112T070525.0001.fits
SecZ=1.80
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.8
ALT/AZ=33.7 -103.3
fwAVG=1.78
sdW=235.7
fwW=1.69
sdS=716.8
fwS=1.95
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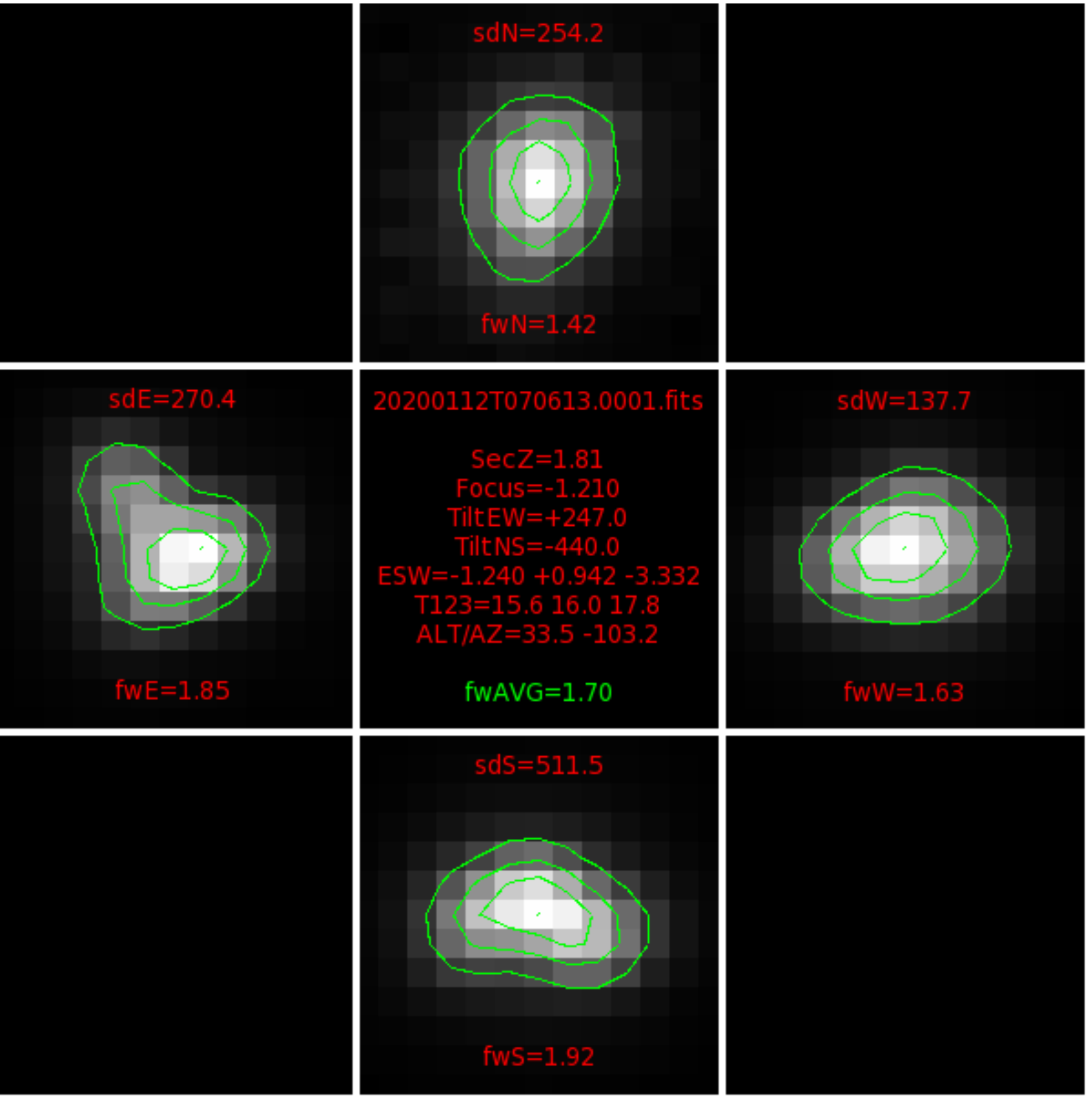
sdN=254.2
fwN=1.42
sdE=270.4
fwE=1.85
20200112T070613.0001.fits
SecZ=1.81
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.8
ALT/AZ=33.5 -103.2
fwAVG=1.70
sdW=137.7
fwW=1.63
sdS=511.5
fwS=1.92
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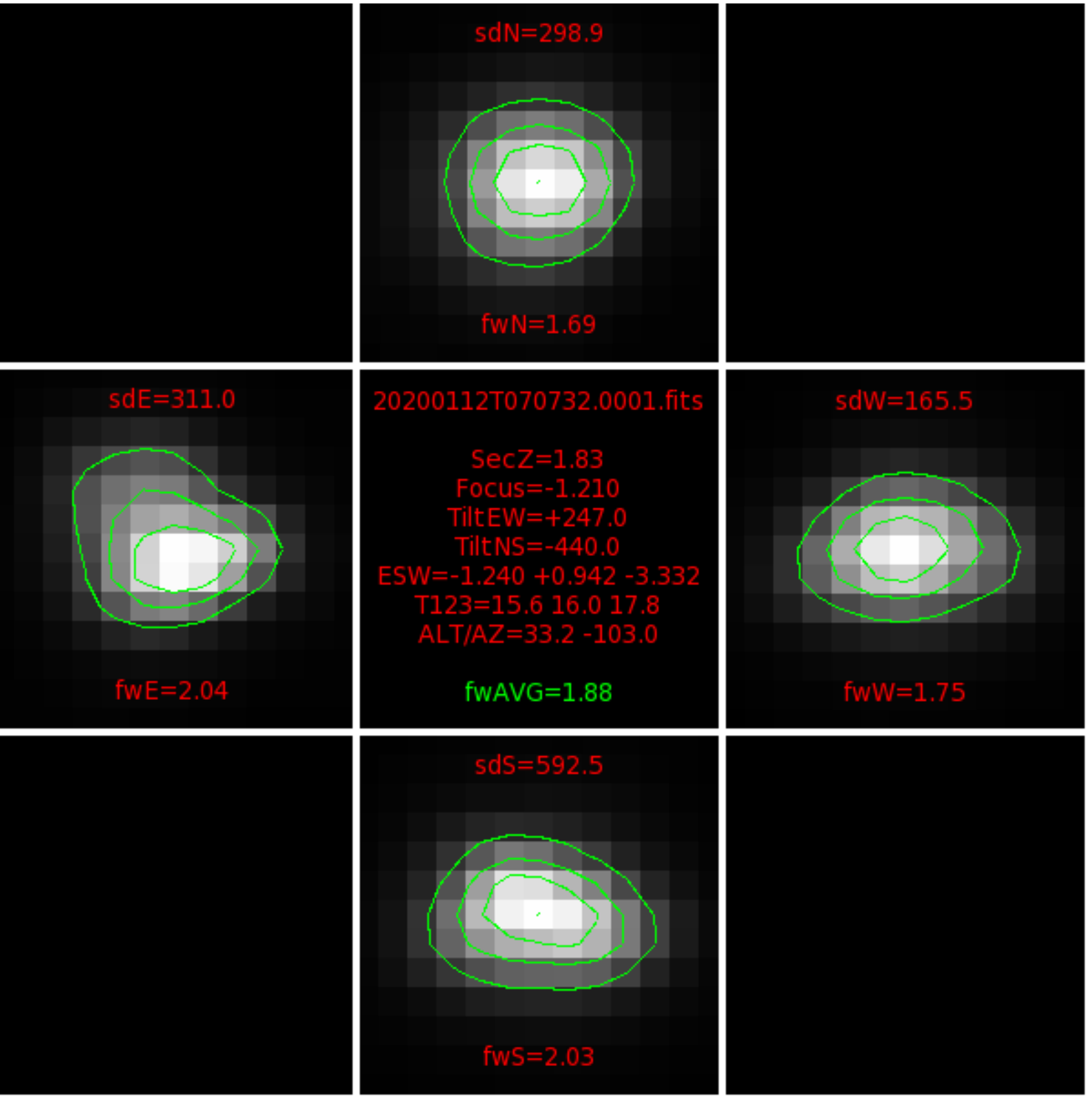
sdN=298.9
fwN=1.69
sdE=311.0
fwE=2.04
20200112T070732.0001.fits
SecZ=1.83
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.8
ALT/AZ=33.2 -103.0
fwAVG=1.88
sdW=165.5
fwW=1.75
sdS=592.5
fwS=2.03
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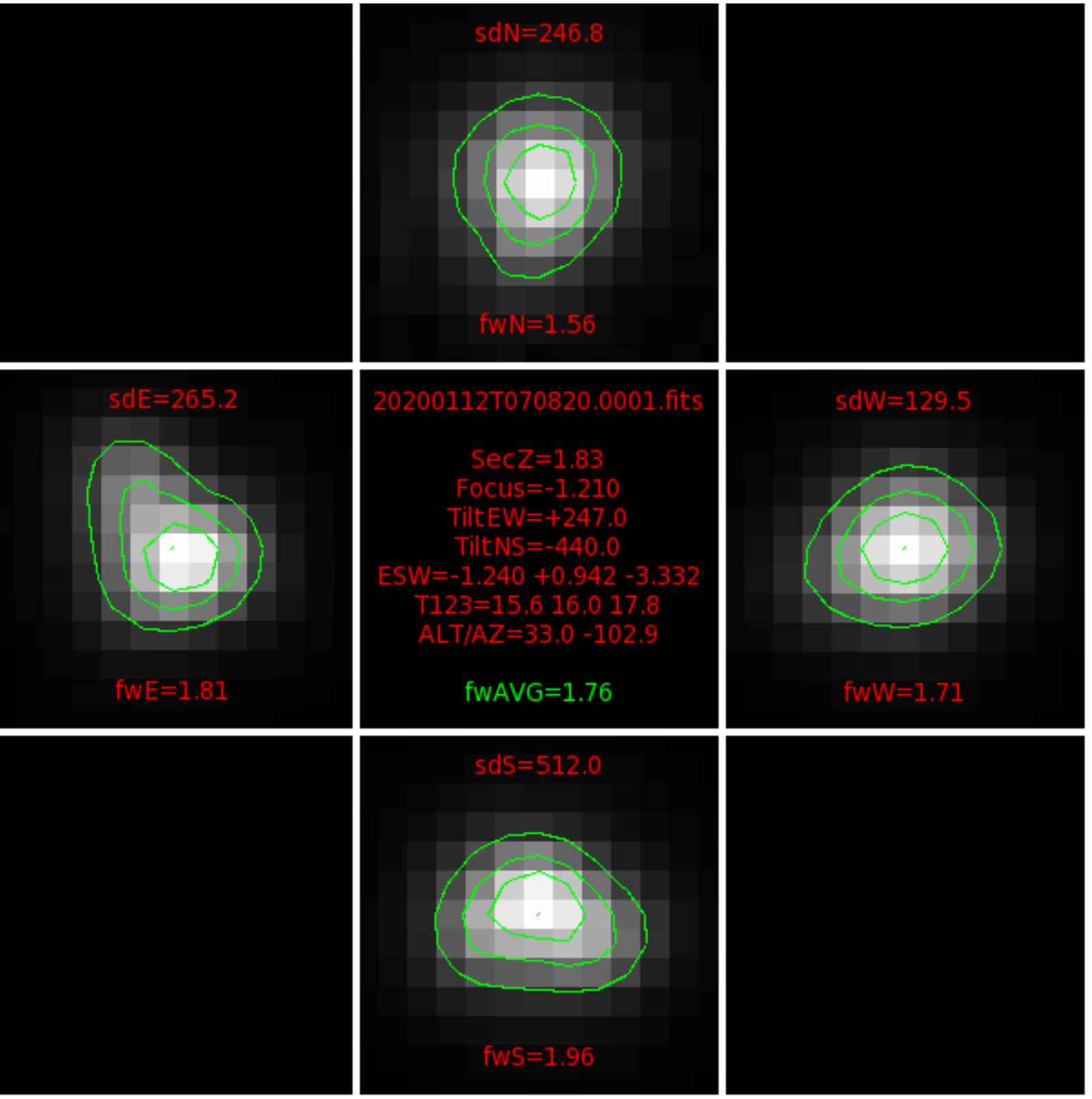
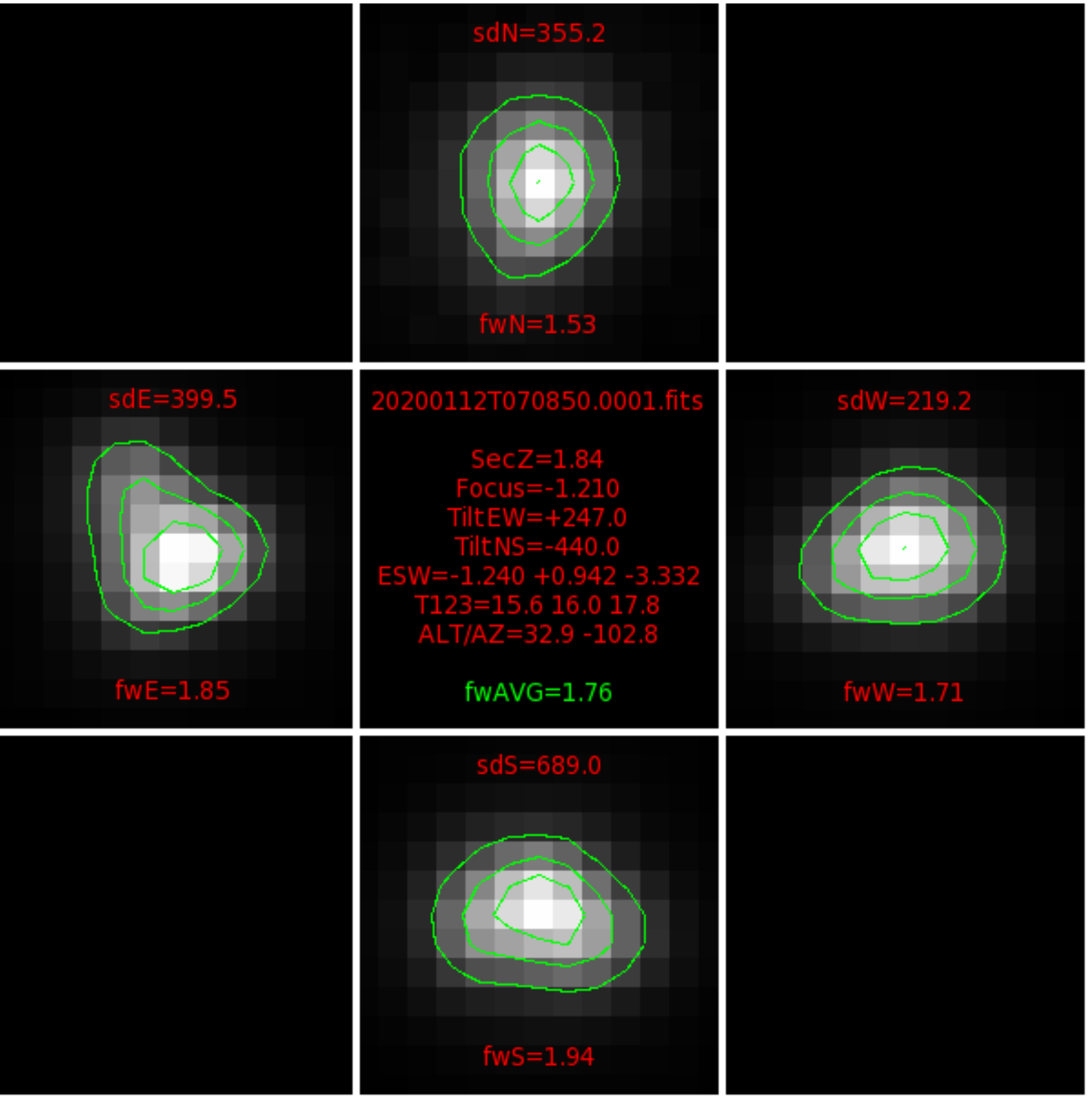
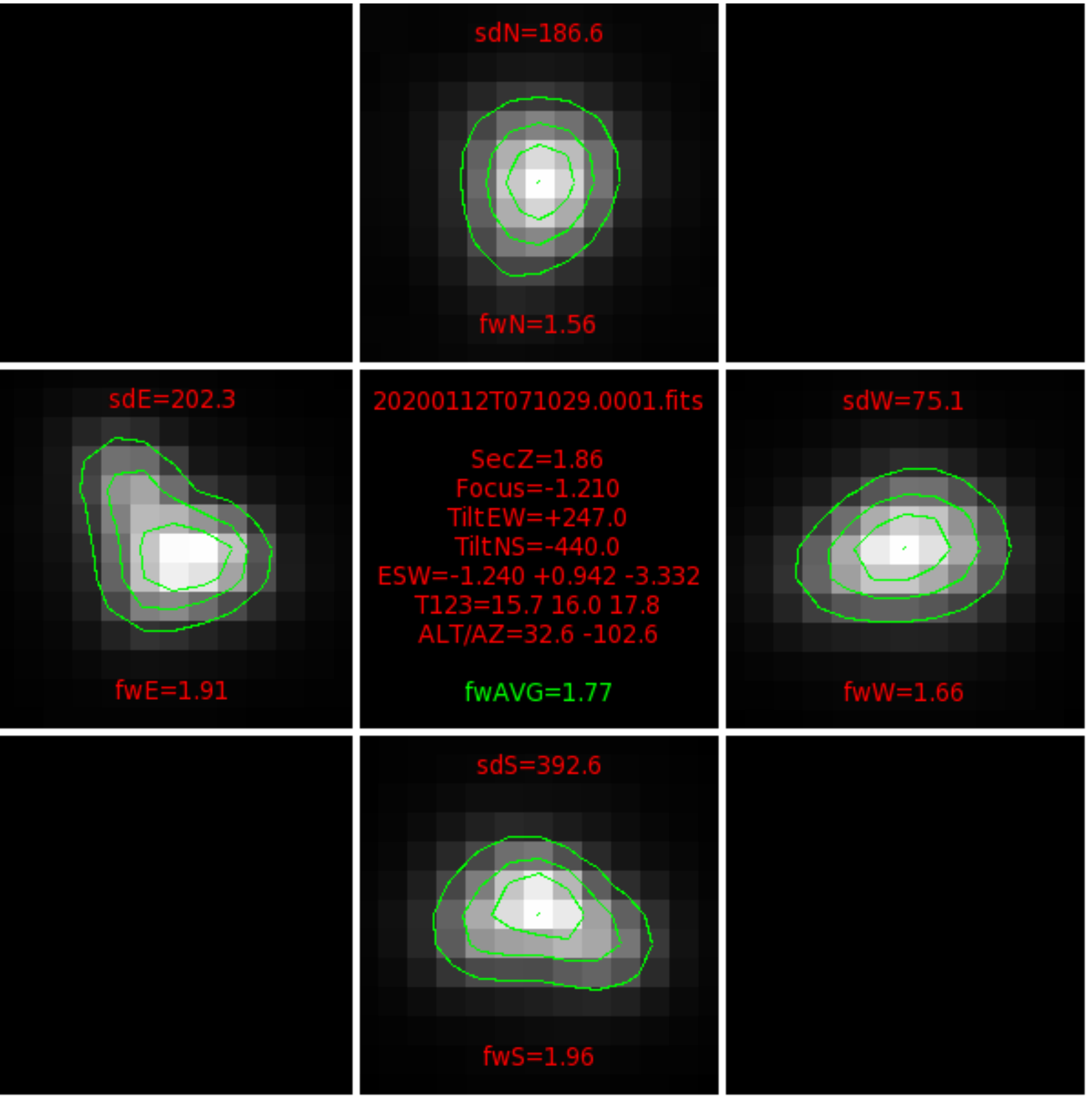
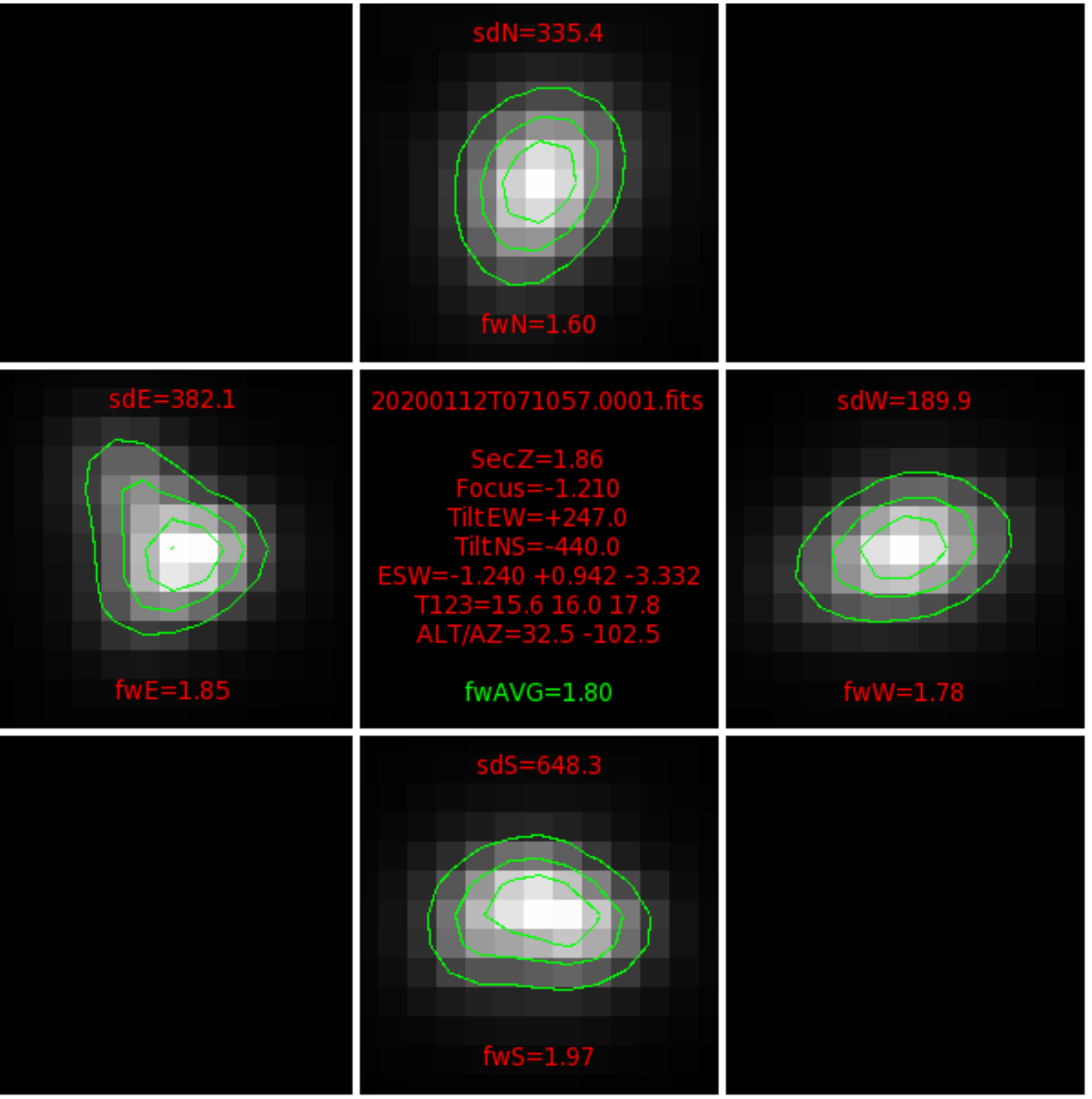
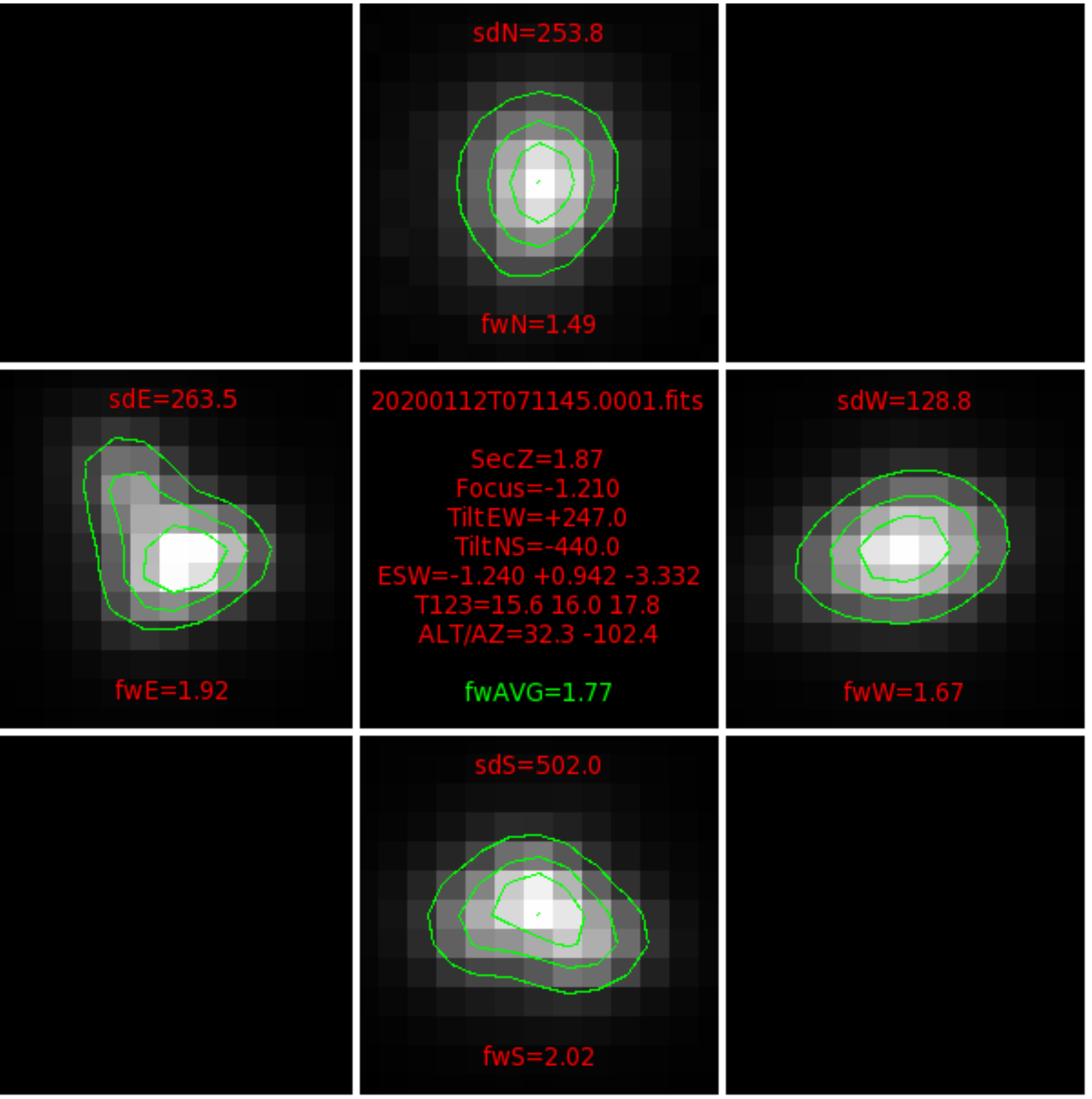

sdN=246.8
fwN=1.56
sdE=265.2
fwE=1.81
20200112T070820.0001.fits
SecZ=1.83
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.8
ALT/AZ=33.0 -102.9
fwAVG=1.76
sdW=129.5
fwW=1.71
sdS=512.0
fwS=1.96
0 0 0 0 0 0 0 0 0


sdN=355.2
fwN=1.53
sdE=399.5
fwE=1.85
20200112T070850.0001.fits
SecZ=1.84
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.8
ALT/AZ=32.9 -102.8
fwAVG=1.76
sdW=219.2
fwW=1.71
sdS=689.0
fwS=1.94
0 0 0 0 0 0 0 0 0


sdN=186.6
fwN=1.56
sdE=202.3
fwE=1.91
20200112T071029.0001.fits
SecZ=1.86
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.7 16.0 17.8
ALT/AZ=32.6 -102.6
fwAVG=1.77
sdW=75.1
fwW=1.66
sdS=392.6
fwS=1.96
0 0 0 0 0 0 0 0 0


sdN=335.4
fwN=1.60
sdE=382.1
fwE=1.85
20200112T071057.0001.fits
SecZ=1.86
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.8
ALT/AZ=32.5 -102.5
fwAVG=1.80
sdW=189.9
fwW=1.78
sdS=648.3
fwS=1.97
0 0 0 0 0 0 0 0 0


sdN=253.8
fwN=1.49
sdE=263.5
fwE=1.92
20200112T071145.0001.fits
SecZ=1.87
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.8
ALT/AZ=32.3 -102.4
fwAVG=1.77
sdW=128.8
fwW=1.67
sdS=502.0
fwS=2.02
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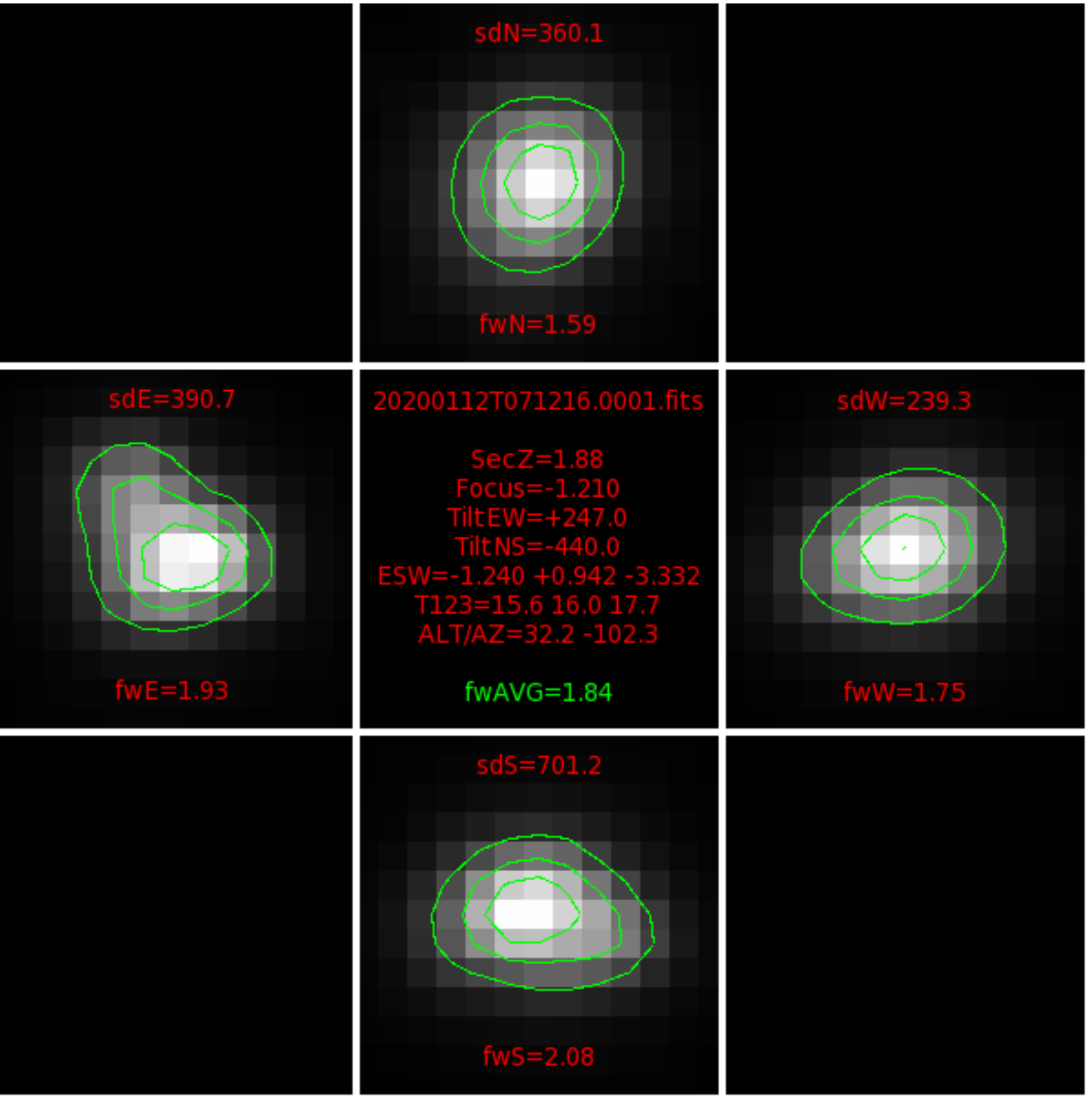
sdN=360.1
fwN=1.59
sdE=390.7
fwE=1.93
20200112T071216.0001.fits
SecZ=1.88
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.7
ALT/AZ=32.2 -102.3
fwAVG=1.84
sdW=239.3
fwW=1.75
sdS=701.2
fwS=2.08
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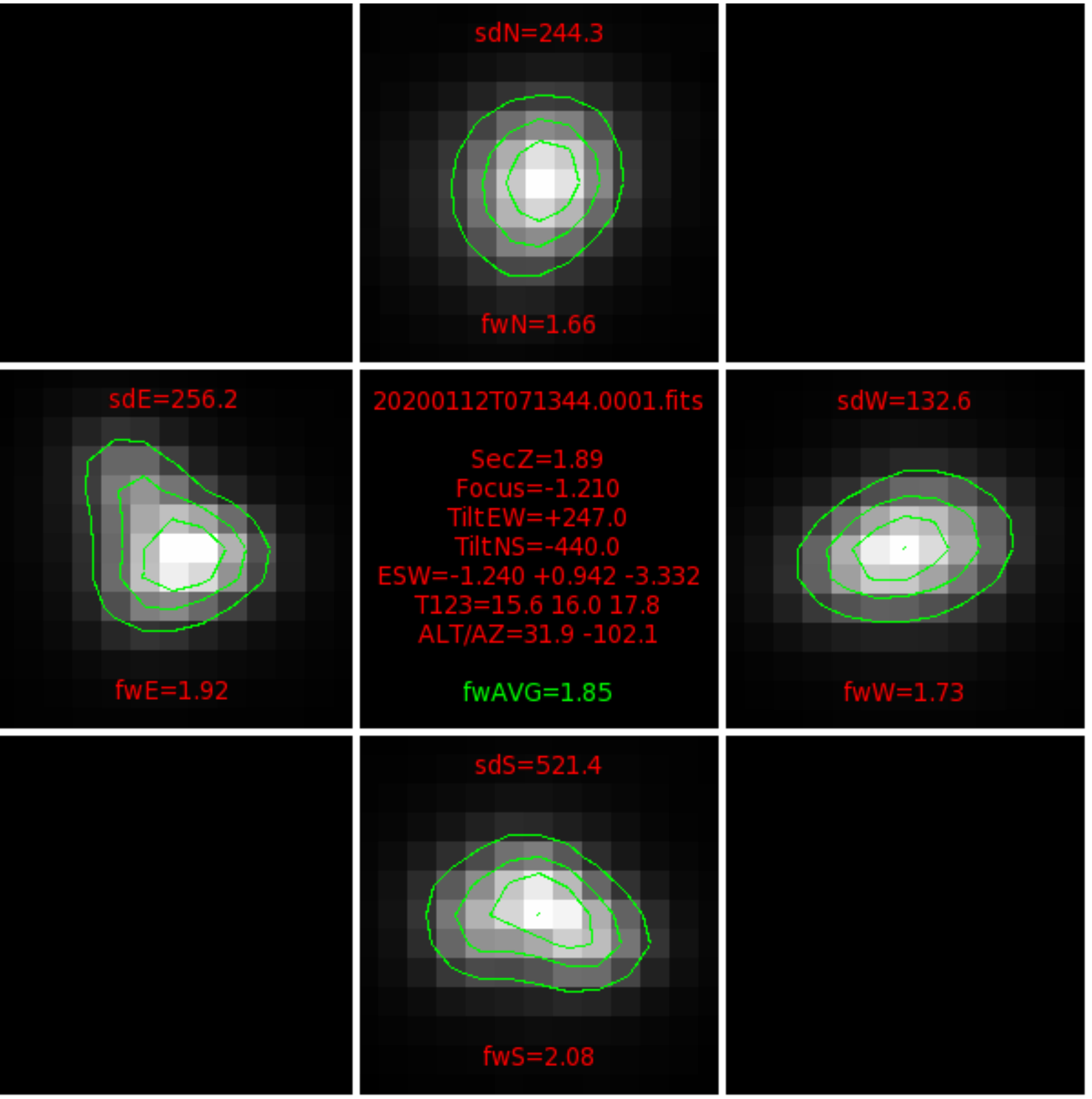
sdN=244.3
fwN=1.66
sdE=256.2
fwE=1.92
20200112T071344.0001.fits
SecZ=1.89
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.8
ALT/AZ=31.9 -102.1
fwAVG=1.85
sdW=132.6
fwW=1.73
sdS=521.4
fwS=2.08
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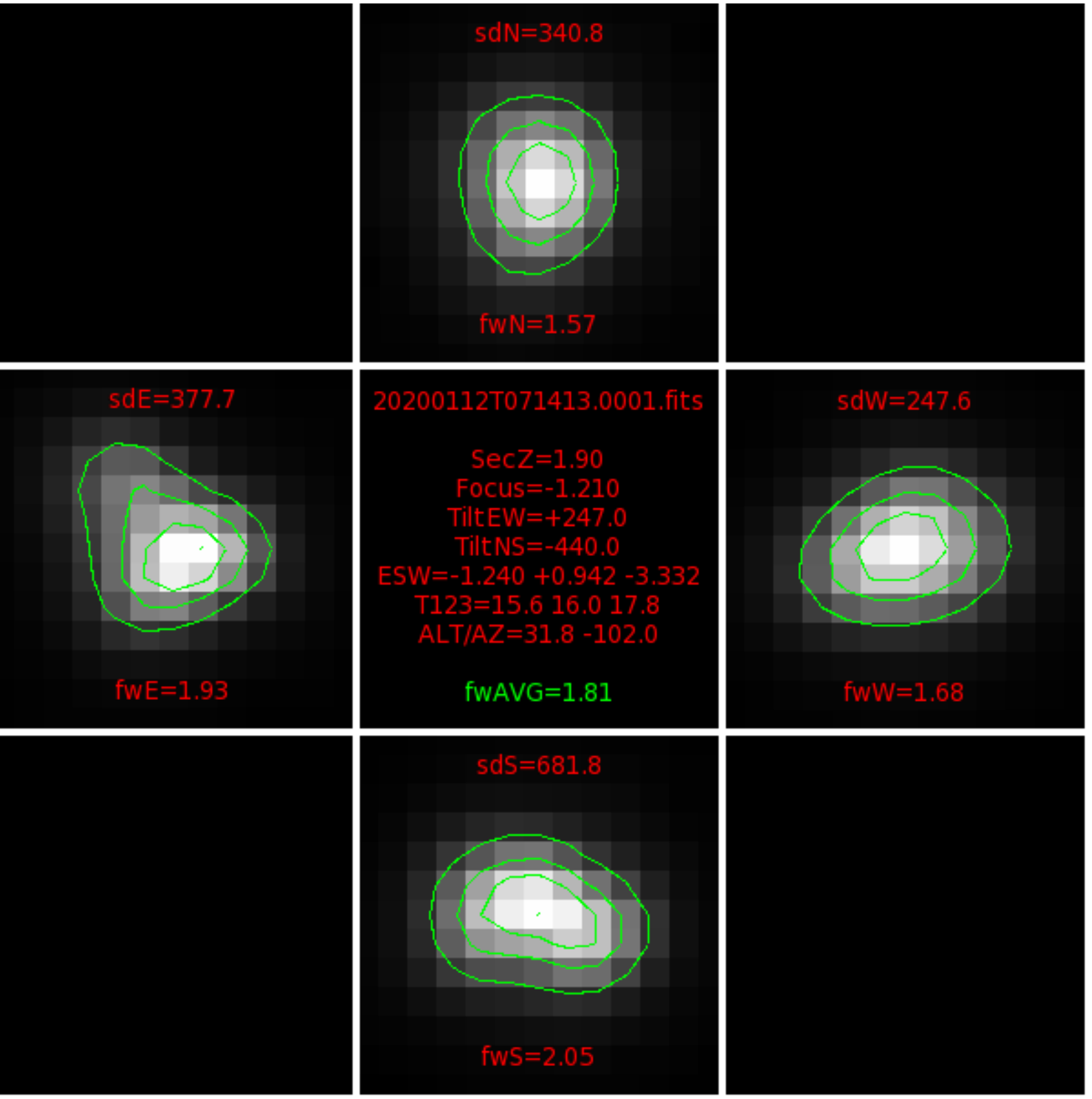
sdN=340.8
fwN=1.57
sdE=377.7
fwE=1.93
20200112T071413.0001.fits
SecZ=1.90
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.8
ALT/AZ=31.8 -102.0
fwAVG=1.81
sdW=247.6
fwW=1.68
sdS=681.8
fwS=2.05
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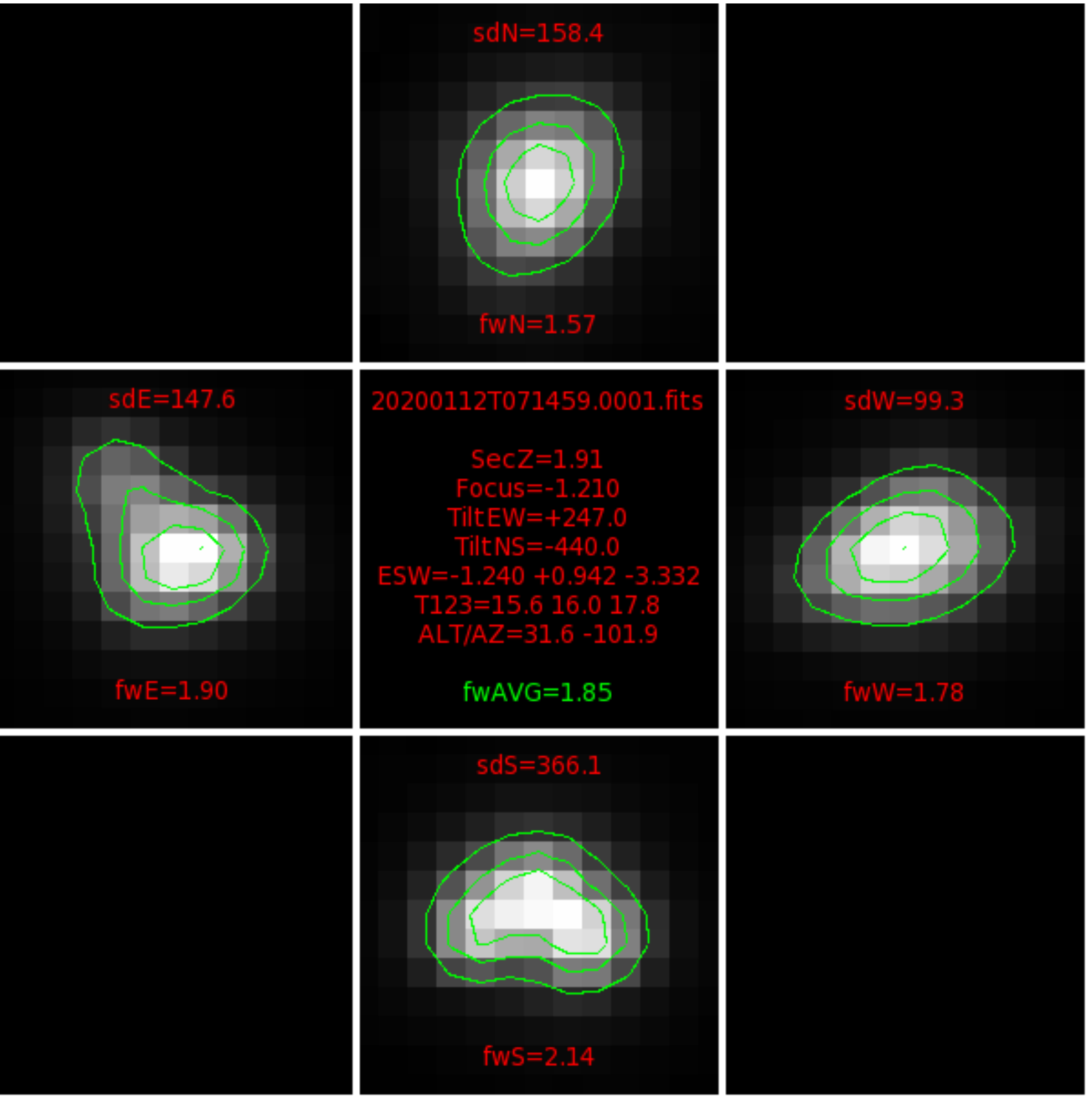
sdN=158.4
fwN=1.57
sdE=147.6
fwE=1.90
20200112T071459.0001.fits
SecZ=1.91
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.8
ALT/AZ=31.6 -101.9
fwAVG=1.85
sdW=99.3
fwW=1.78
sdS=366.1
fwS=2.14
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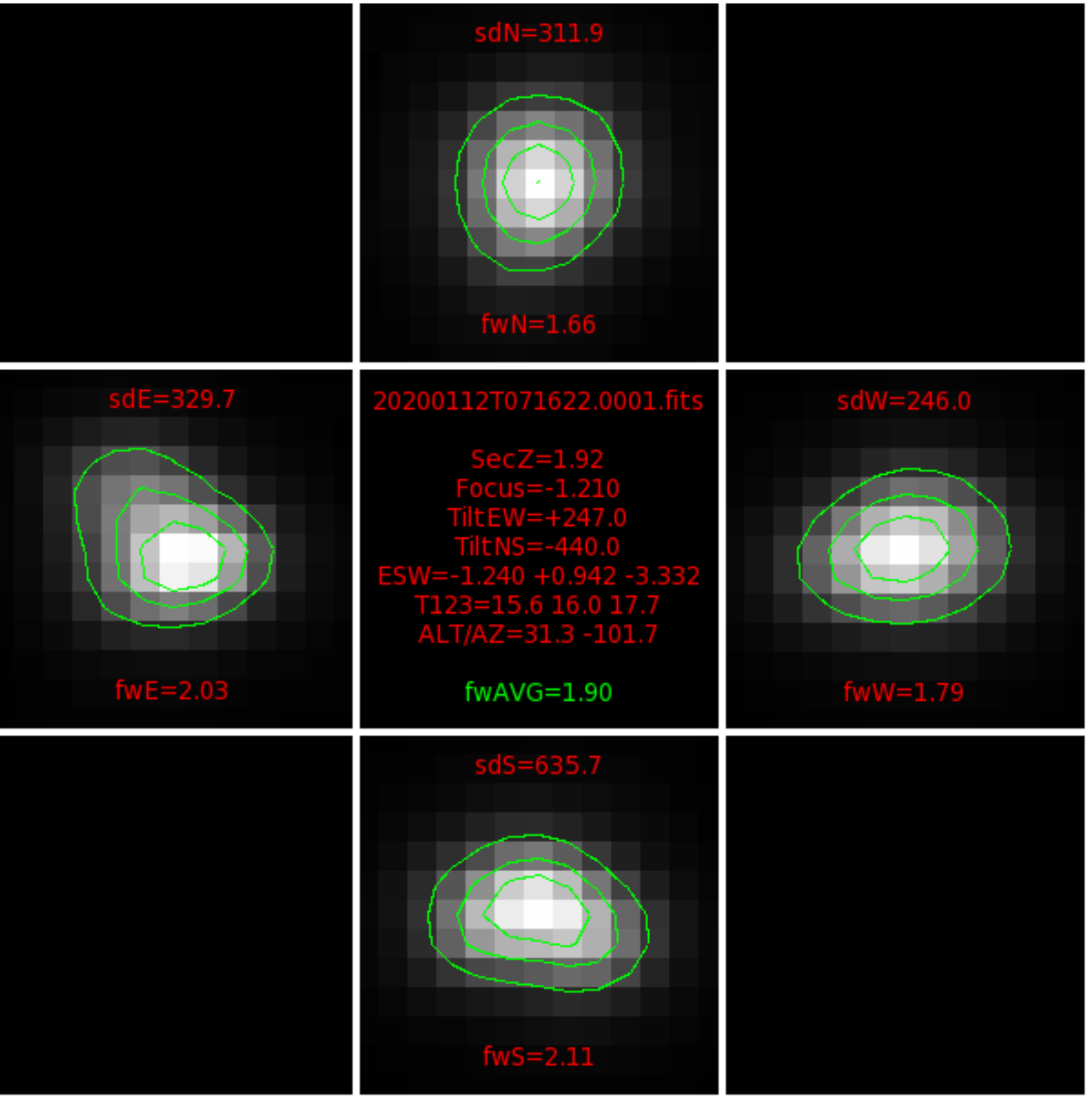
sdN=311.9
fwN=1.66
sdE=329.7
fwE=2.03
20200112T071622.0001.fits
SecZ=1.92
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.7
ALT/AZ=31.3 -101.7
fwAVG=1.90
sdW=246.0
fwW=1.79
sdS=635.7
fwS=2.11
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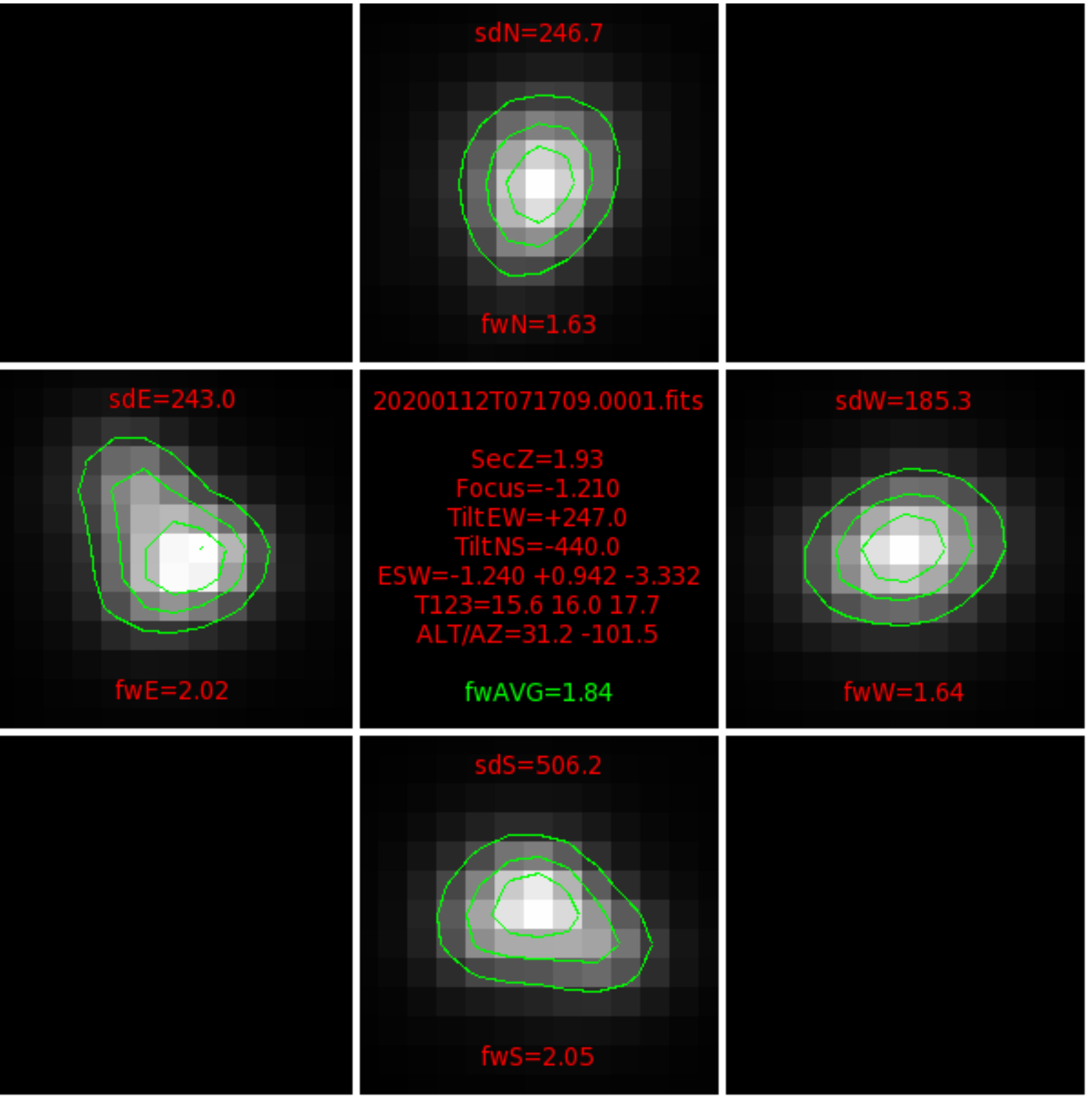
sdN=246.7
fwN=1.63
sdE=243.0
fwE=2.02
20200112T071709.0001.fits
SecZ=1.93
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.7
ALT/AZ=31.2 -101.5
fwAVG=1.84
sdW=185.3
fwW=1.64
sdS=506.2
fwS=2.05
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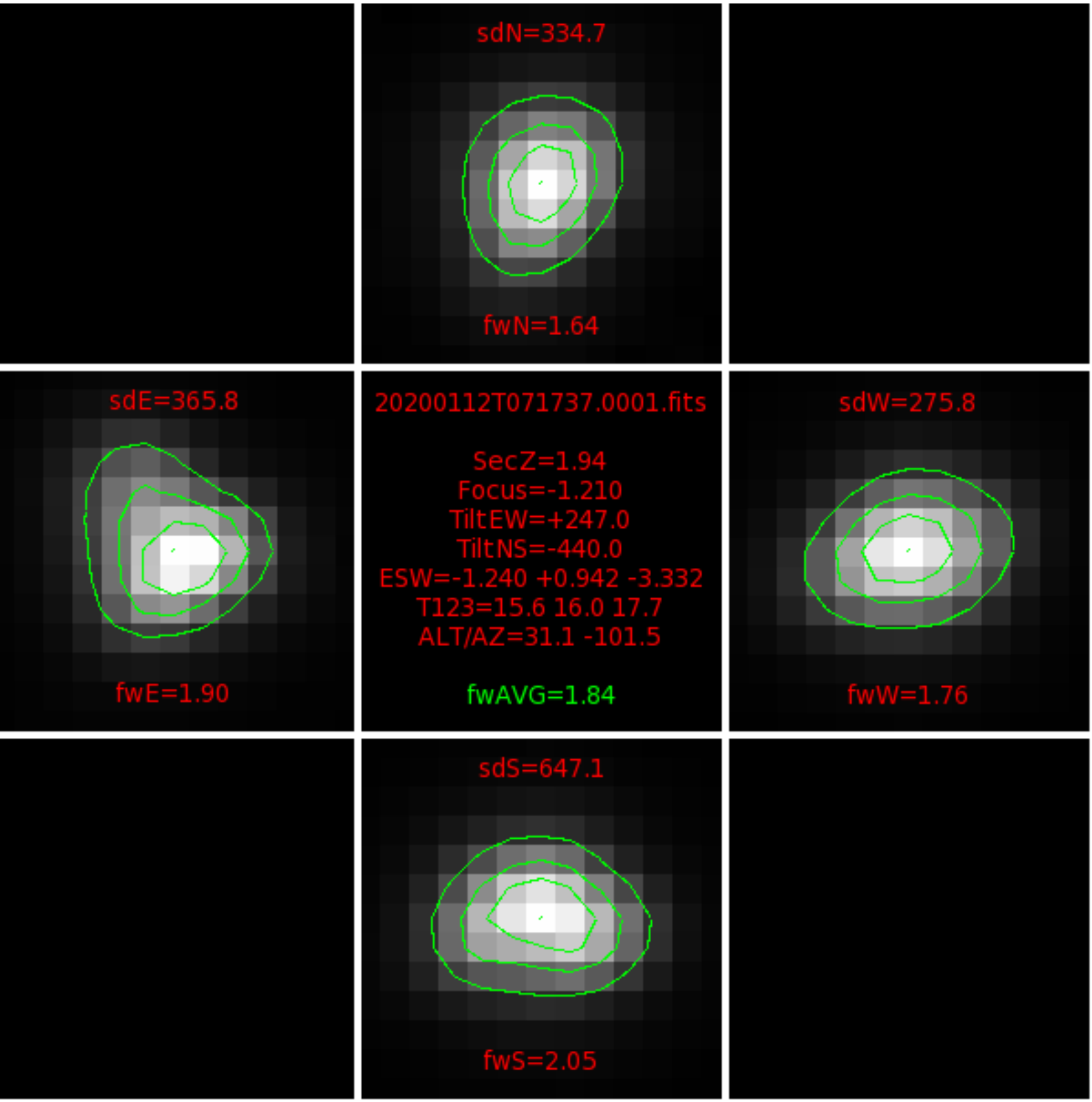
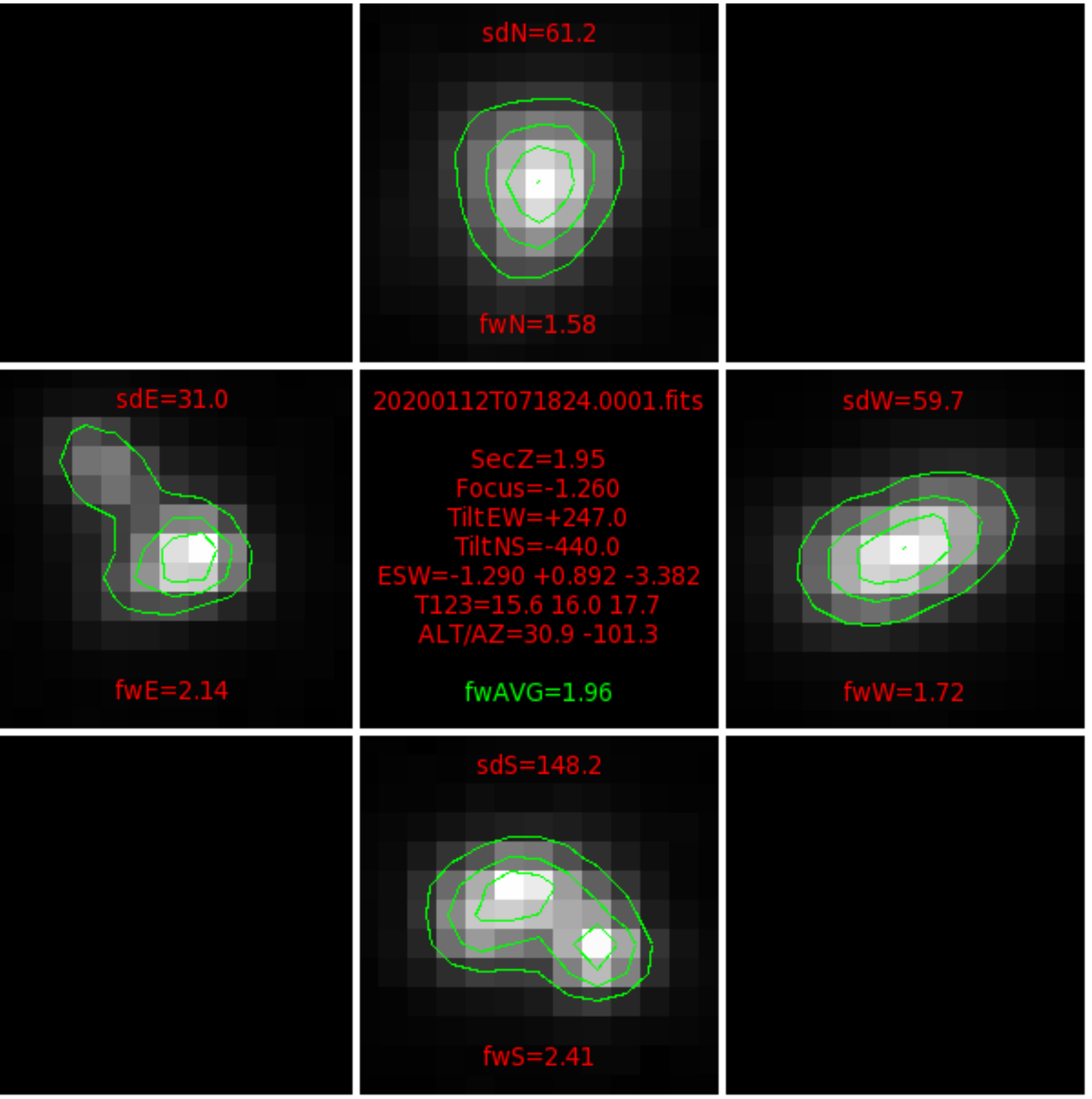

sdN=334.7
fwN=1.64
sdE=365.8
fwE=1.90
20200112T071737.0001.fits
SecZ=1.94
Focus=-1.210
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.240 +0.942 -3.332
T123=15.6 16.0 17.7
ALT/AZ=31.1 -101.5
fwAVG=1.84
sdW=275.8
fwW=1.76
sdS=647.1
fwS=2.05
0 0 0 0 0 0 0 0 0


sdN=61.2
fwN=1.58
sdE=31.0
fwE=2.14
20200112T071824.0001.fits
SecZ=1.95
Focus=-1.260
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.290 +0.892 -3.382
T123=15.6 16.0 17.7
ALT/AZ=30.9 -101.3
fwAVG=1.96
sdW=59.7
fwW=1.72
sdS=148.2
fwS=2.41
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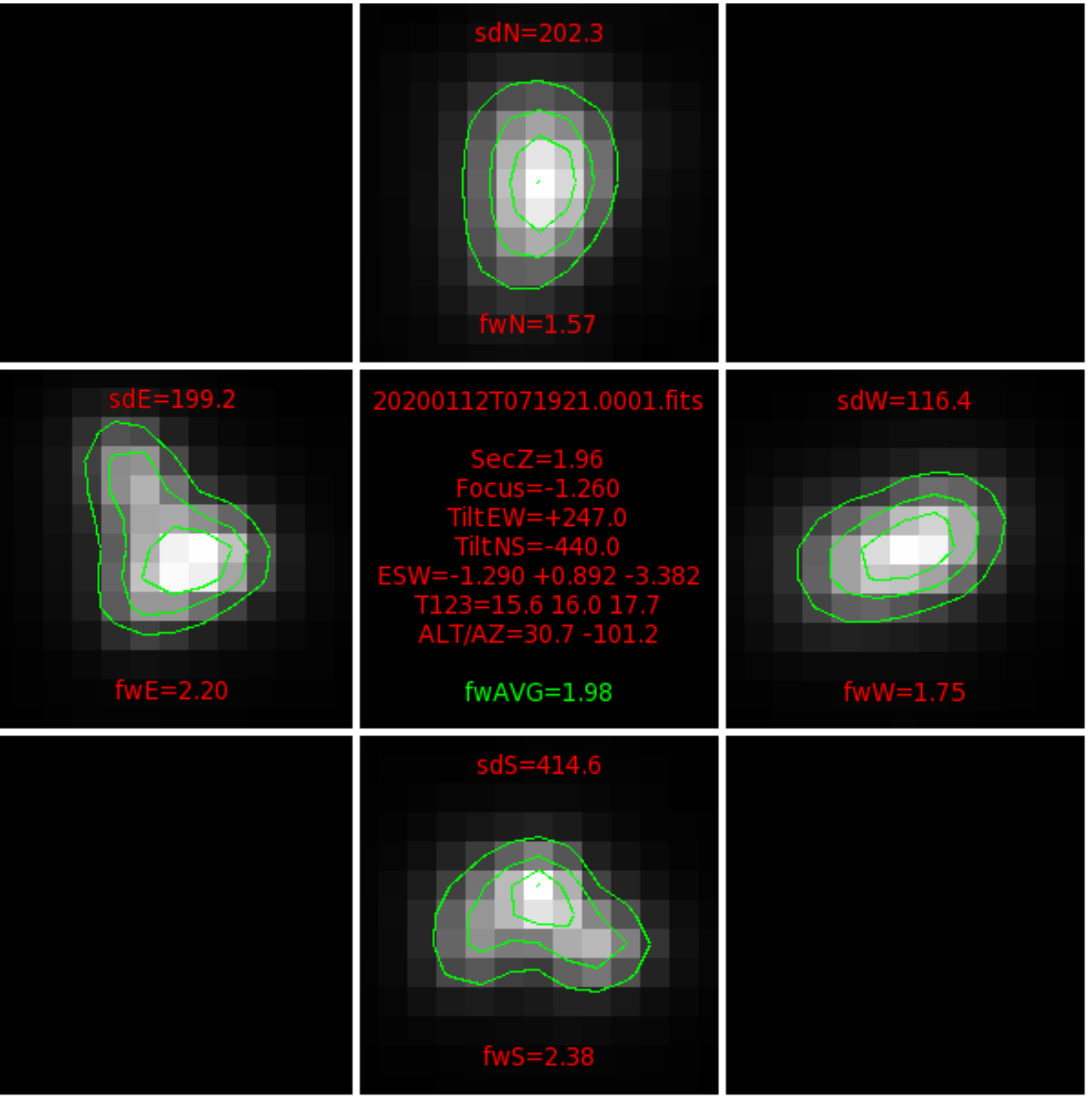
sdN=202.3
fwN=1.57
sdE=199.2
fwE=2.20
20200112T071921.0001.fits
SecZ=1.96
Focus=-1.260
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.290 +0.892 -3.382
T123=15.6 16.0 17.7
ALT/AZ=30.7 -101.2
fwAVG=1.98
sdW=116.4
fwW=1.75
sdS=414.6
fwS=2.38
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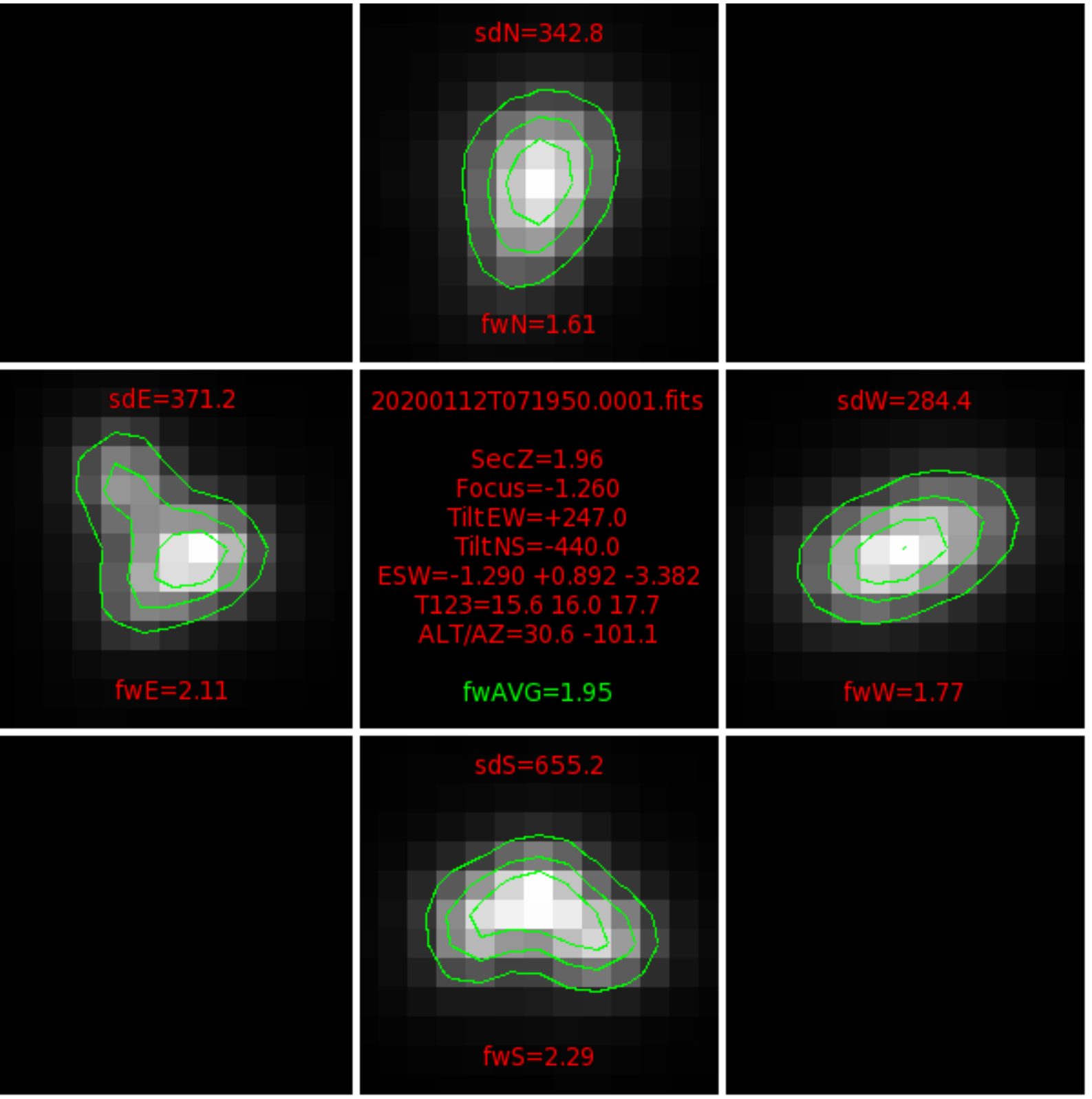
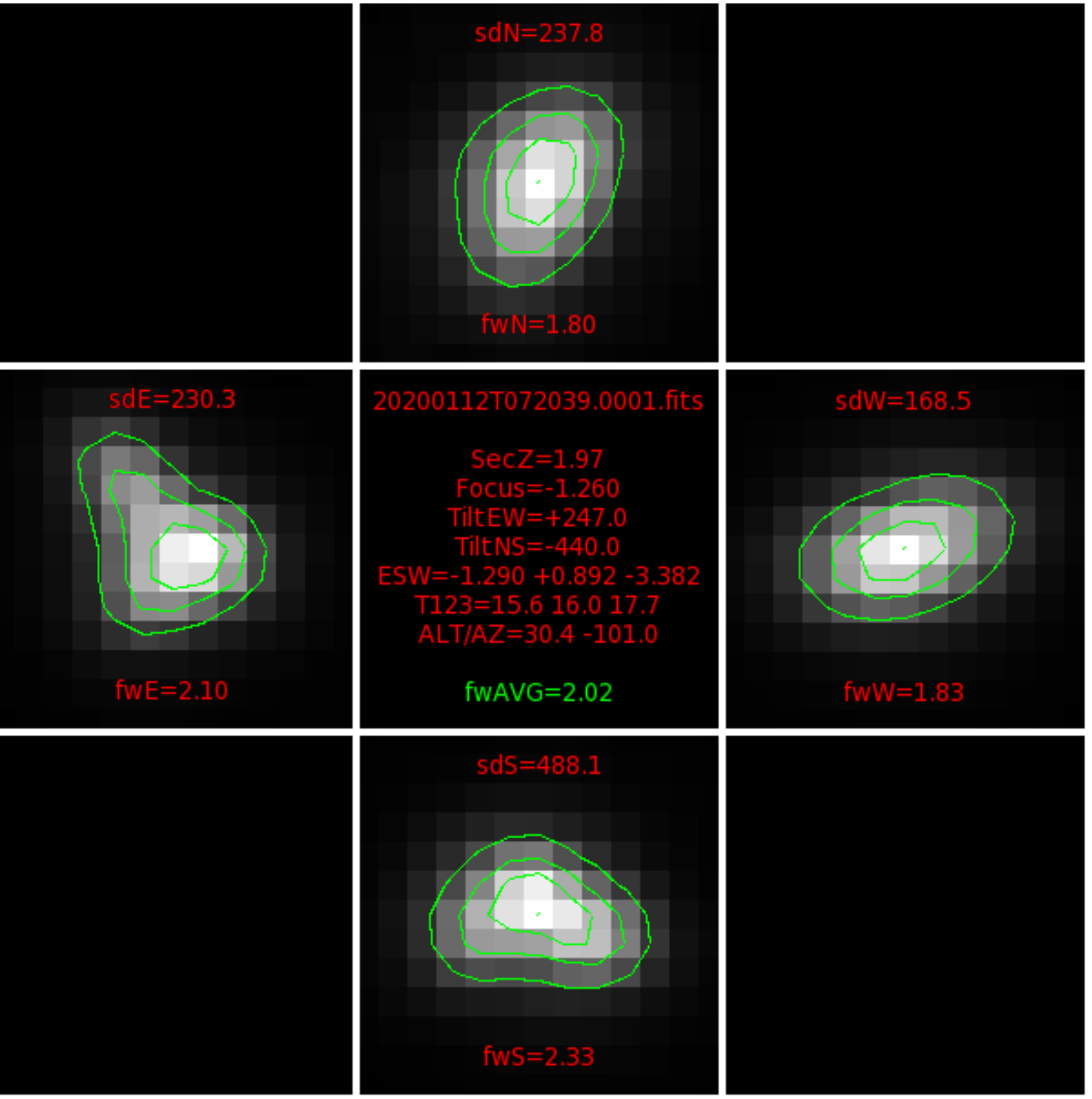

sdN=342.8
fwN=1.61
sdE=371.2
fwE=2.11
20200112T071950.0001.fits
SecZ=1.96
Focus=-1.260
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.290 +0.892 -3.382
T123=15.6 16.0 17.7
ALT/AZ=30.6 -101.1
fwAVG=1.95
sdW=284.4
fwW=1.77
sdS=655.2
fwS=2.29
0 0 0 0 0 0 0 0 0


sdN=237.8
fwN=1.80
sdE=230.3
fwE=2.10
20200112T072039.0001.fits
SecZ=1.97
Focus=-1.260
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.290 +0.892 -3.382
T123=15.6 16.0 17.7
ALT/AZ=30.4 -101.0
fwAVG=2.02
sdW=168.5
fwW=1.83
sdS=488.1
fwS=2.33
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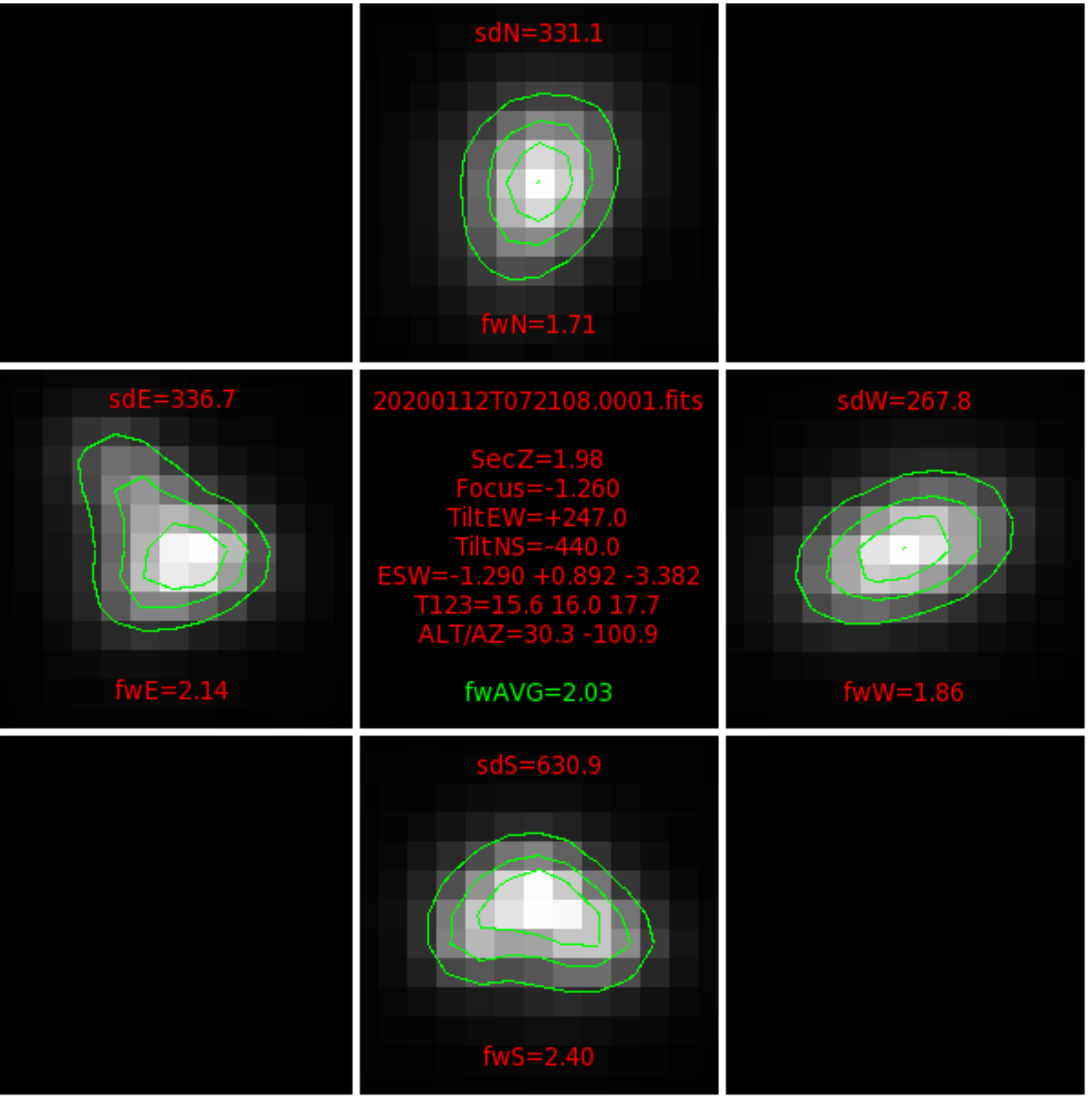
sdN=331.1
fwN=1.71
sdE=336.7
fwE=2.14
20200112T072108.0001.fits
SecZ=1.98
Focus=-1.260
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.290 +0.892 -3.382
T123=15.6 16.0 17.7
ALT/AZ=30.3 -100.9
fwAVG=2.03
sdW=267.8
fwW=1.86
sdS=630.9
fwS=2.40
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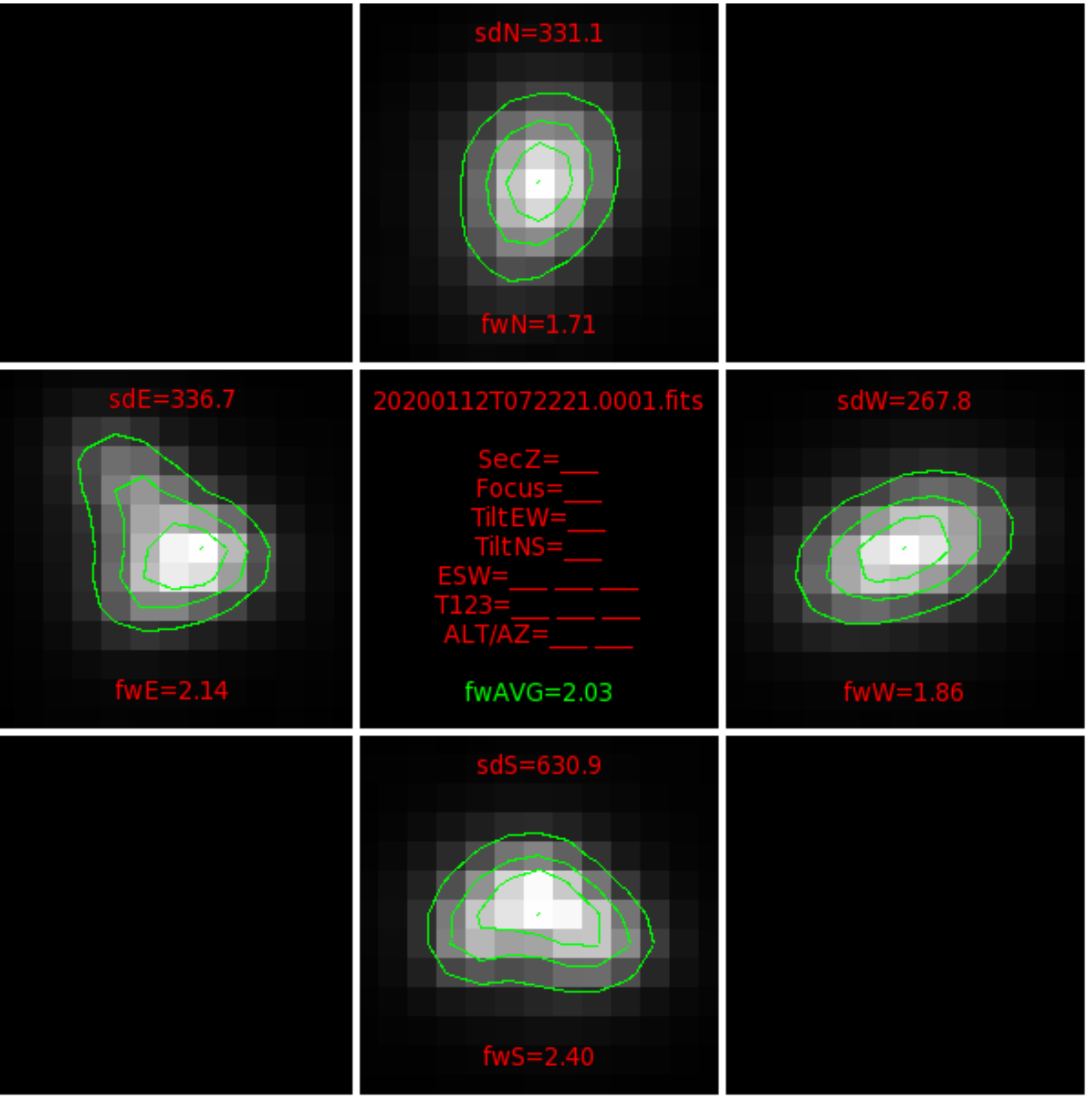
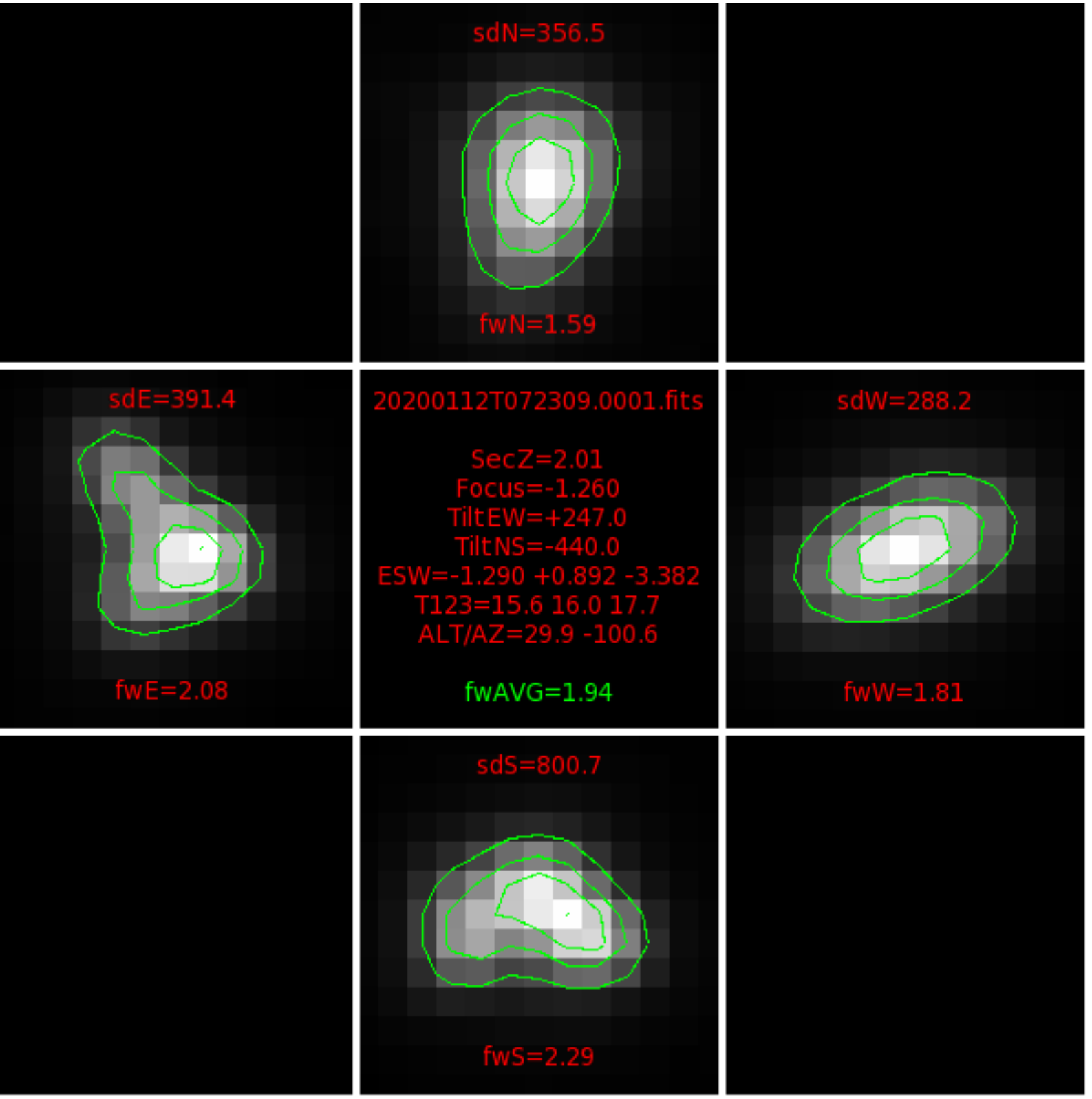
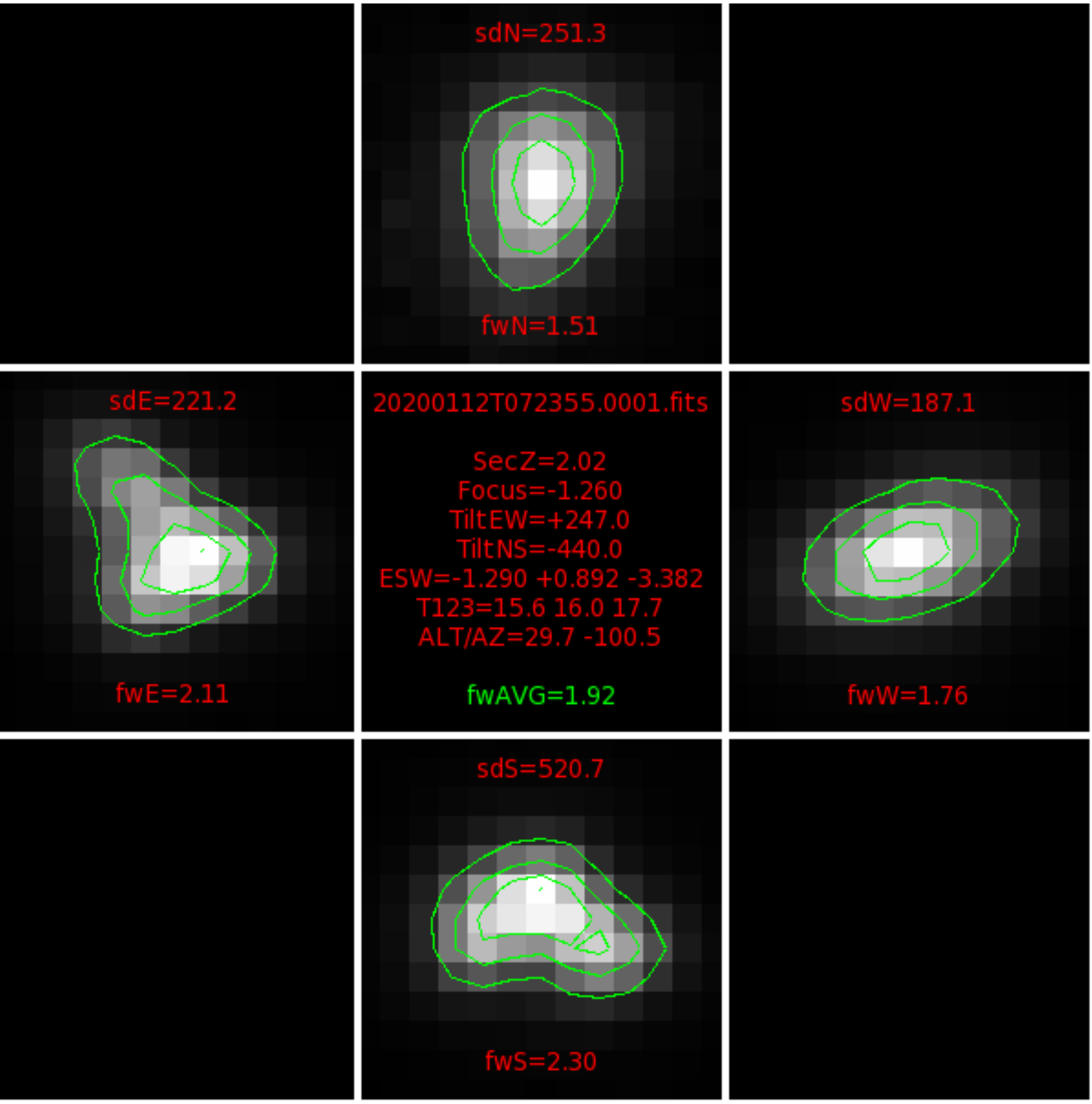

sdN=331.1
fwN=1.71
sdE=336.7
fwE=2.14
20200112T072221.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=2.03
sdW=267.8
fwW=1.86
sdS=630.9
fwS=2.40
0 0 0 0 0 0 0 0 0


sdN=356.5
fwN=1.59
sdE=391.4
fwE=2.08
20200112T072309.0001.fits
SecZ=2.01
Focus=-1.260
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.290 +0.892 -3.382
T123=15.6 16.0 17.7
ALT/AZ=29.9 -100.6
fwAVG=1.94
sdW=288.2
fwW=1.81
sdS=800.7
fwS=2.29
0 0 0 0 0 0 0 0 0


sdN=251.3
fwN=1.51
sdE=221.2
fwE=2.11
20200112T072355.0001.fits
SecZ=2.02
Focus=-1.260
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.290 +0.892 -3.382
T123=15.6 16.0 17.7
ALT/AZ=29.7 -100.5
fwAVG=1.92
sdW=187.1
fwW=1.76
sdS=520.7
fwS=2.30
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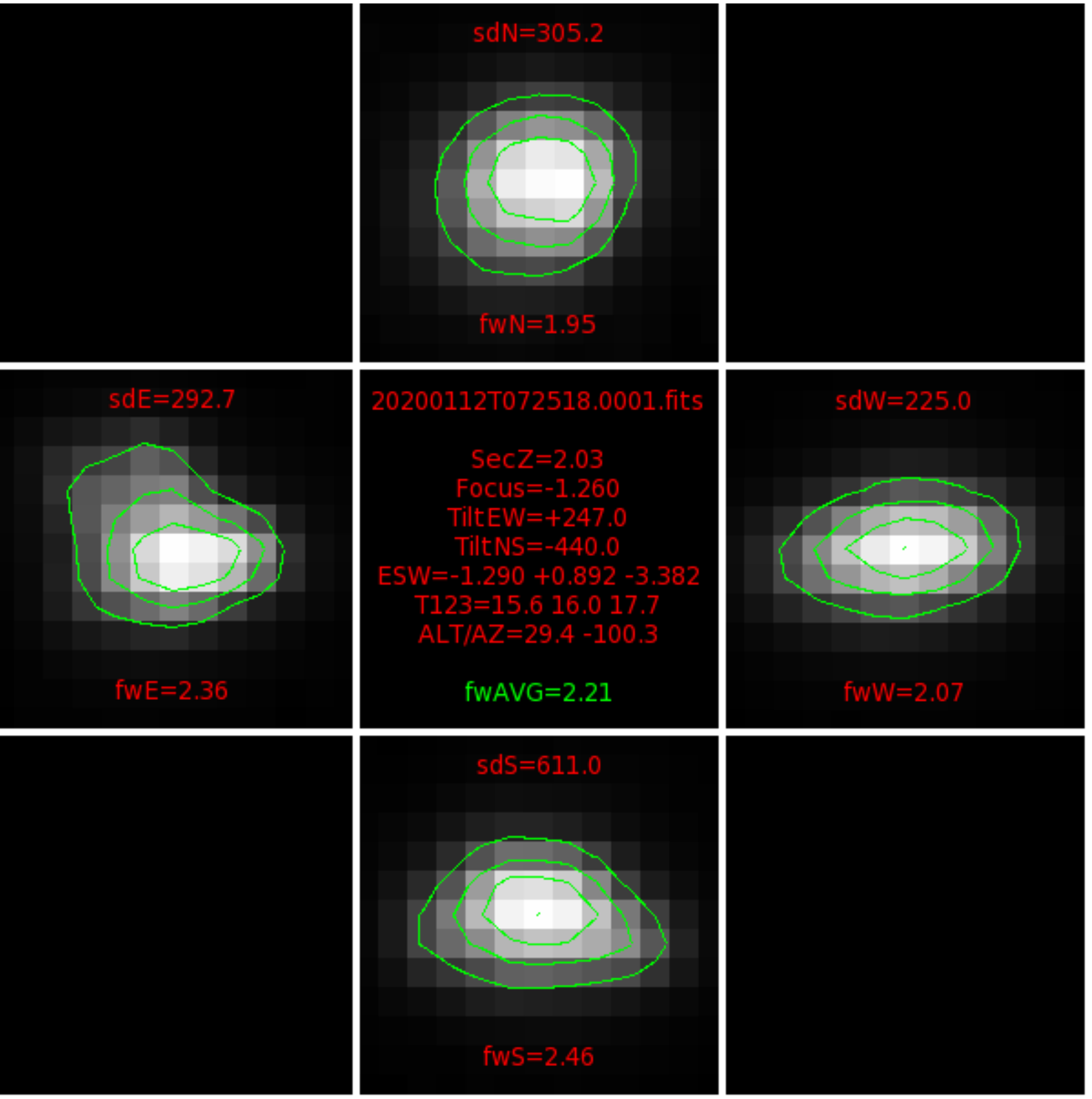
sdN=305.2
fwN=1.95
sdE=292.7
fwE=2.36
20200112T072518.0001.fits
SecZ=2.03
Focus=-1.260
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.290 +0.892 -3.382
T123=15.6 16.0 17.7
ALT/AZ=29.4 -100.3
fwAVG=2.21
sdW=225.0
fwW=2.07
sdS=611.0
fwS=2.46
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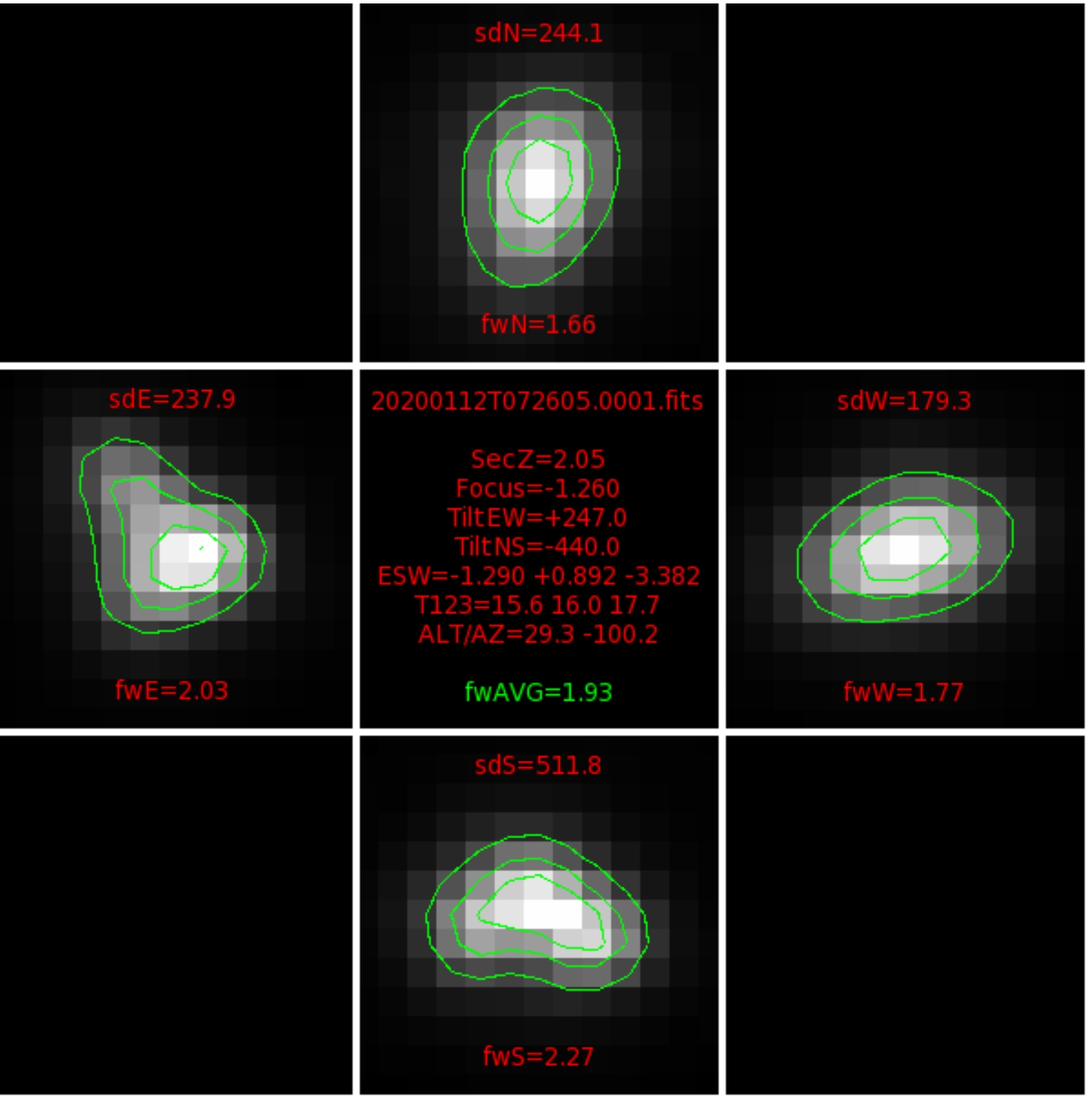
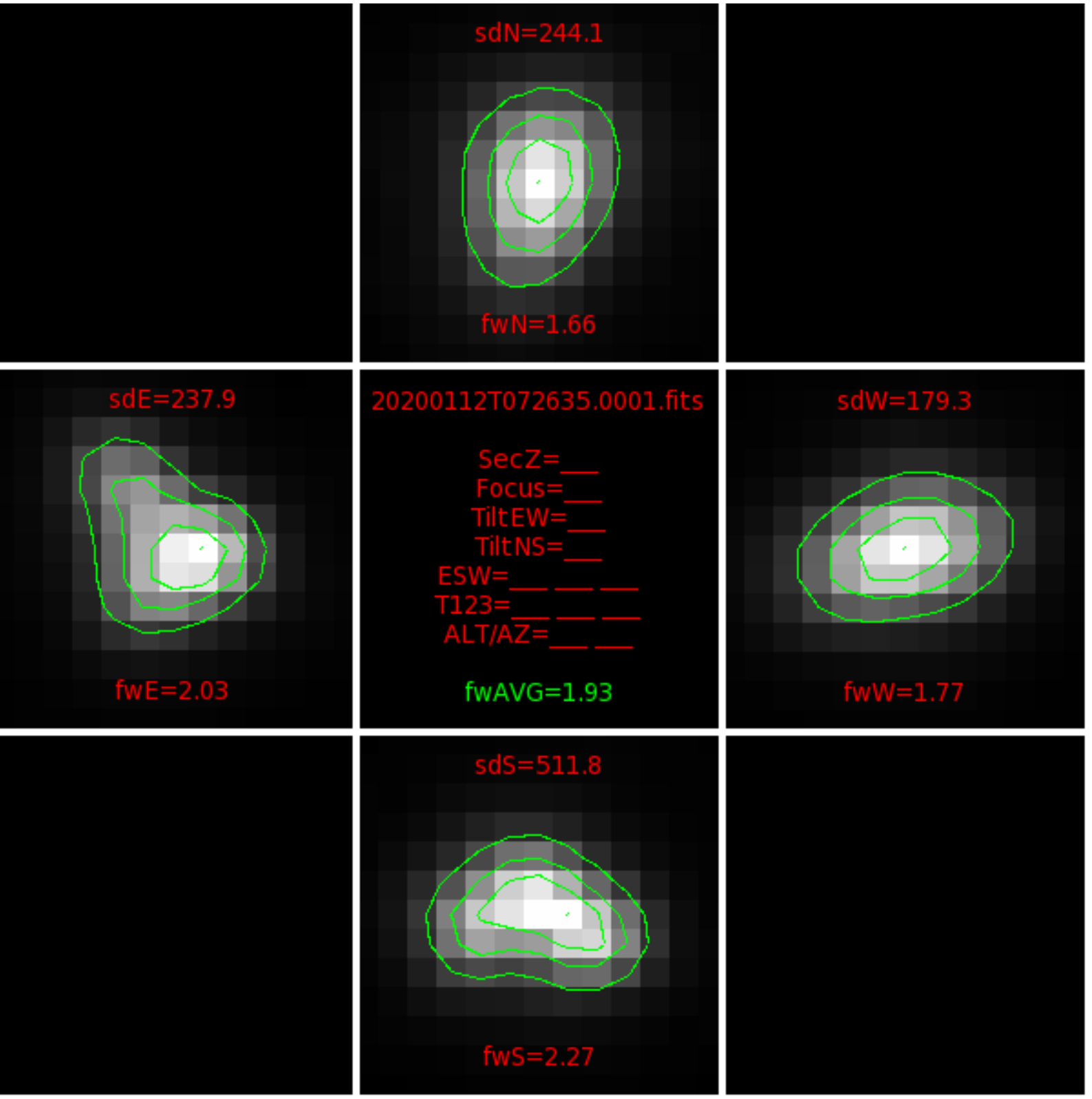

sdN=244.1
fwN=1.66
sdE=237.9
fwE=2.03
20200112T072605.0001.fits
SecZ=2.05
Focus=-1.260
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.290 +0.892 -3.382
T123=15.6 16.0 17.7
ALT/AZ=29.3 -100.2
fwAVG=1.93
sdW=179.3
fwW=1.77
sdS=511.8
fwS=2.27
0 0 0 0 0 0 0 0 0


sdN=244.1
fwN=1.66
sdE=237.9
fwE=2.03
20200112T072635.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.93
sdW=179.3
fwW=1.77
sdS=511.8
fwS=2.27
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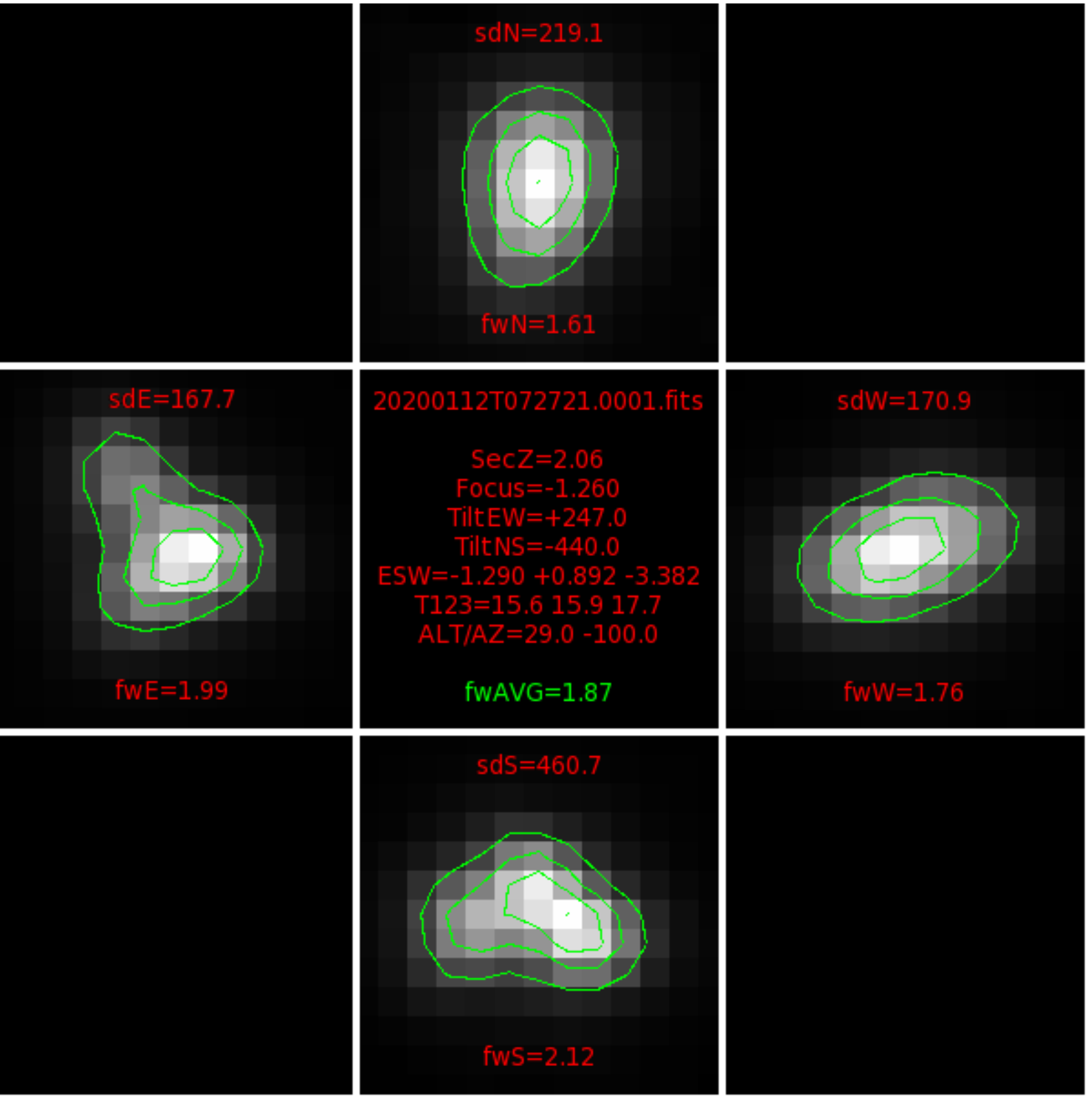
sdN=219.1
fwN=1.61
sdE=167.7
fwE=1.99
20200112T072721.0001.fits
SecZ=2.06
Focus=-1.260
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.290 +0.892 -3.382
T123=15.6 15.9 17.7
ALT/AZ=29.0 -100.0
fwAVG=1.87
sdW=170.9
fwW=1.76
sdS=460.7
fwS=2.12
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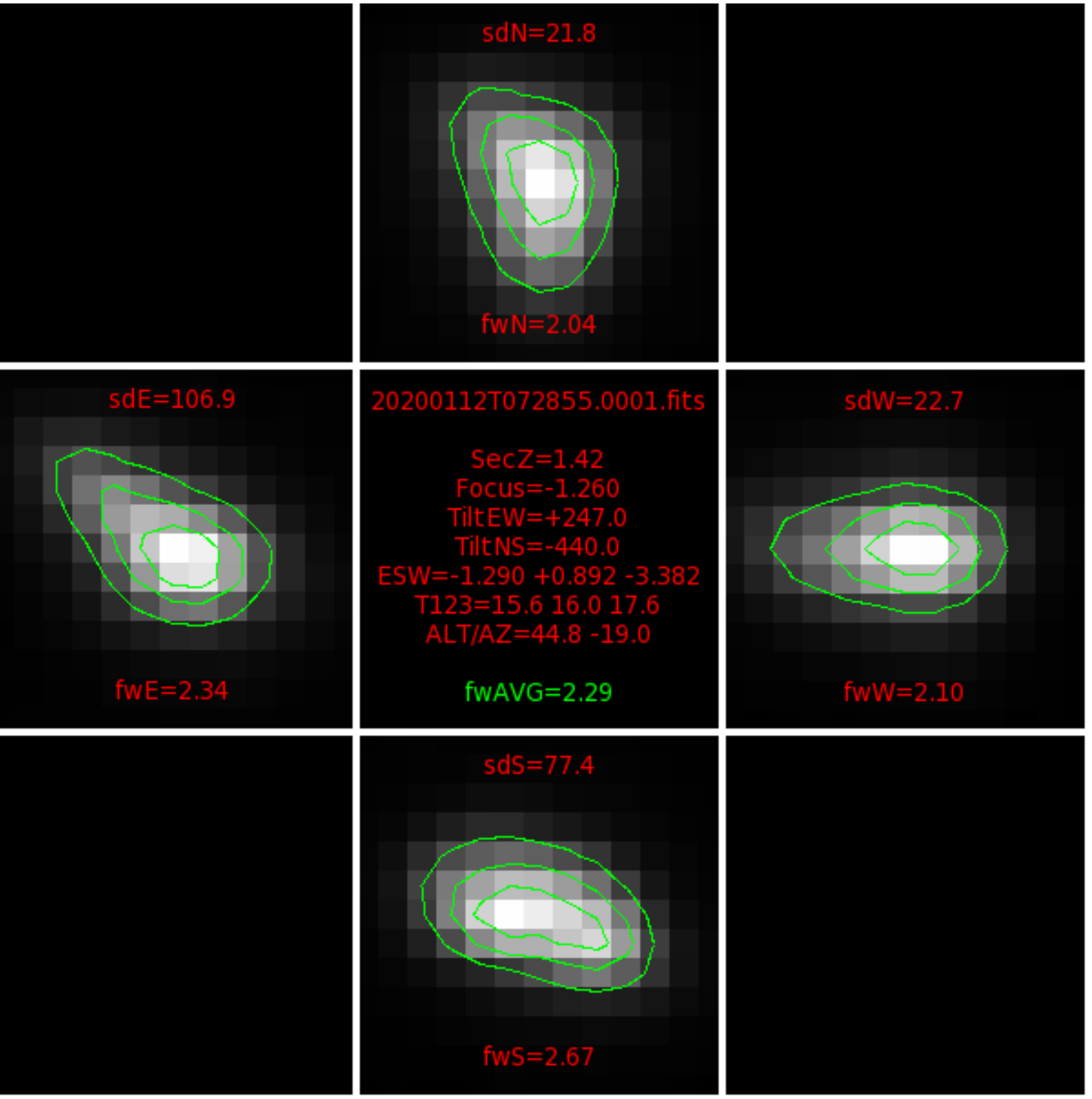
sdN=21.8
fwN=2.04
sdE=106.9
fwE=2.34
20200112T072855.0001.fits
SecZ=1.42
Focus=-1.260
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.290 +0.892 -3.382
T123=15.6 16.0 17.6
ALT/AZ=44.8 -19.0
fwAVG=2.29
sdW=22.7
fwW=2.10
sdS=77.4
fwS=2.67
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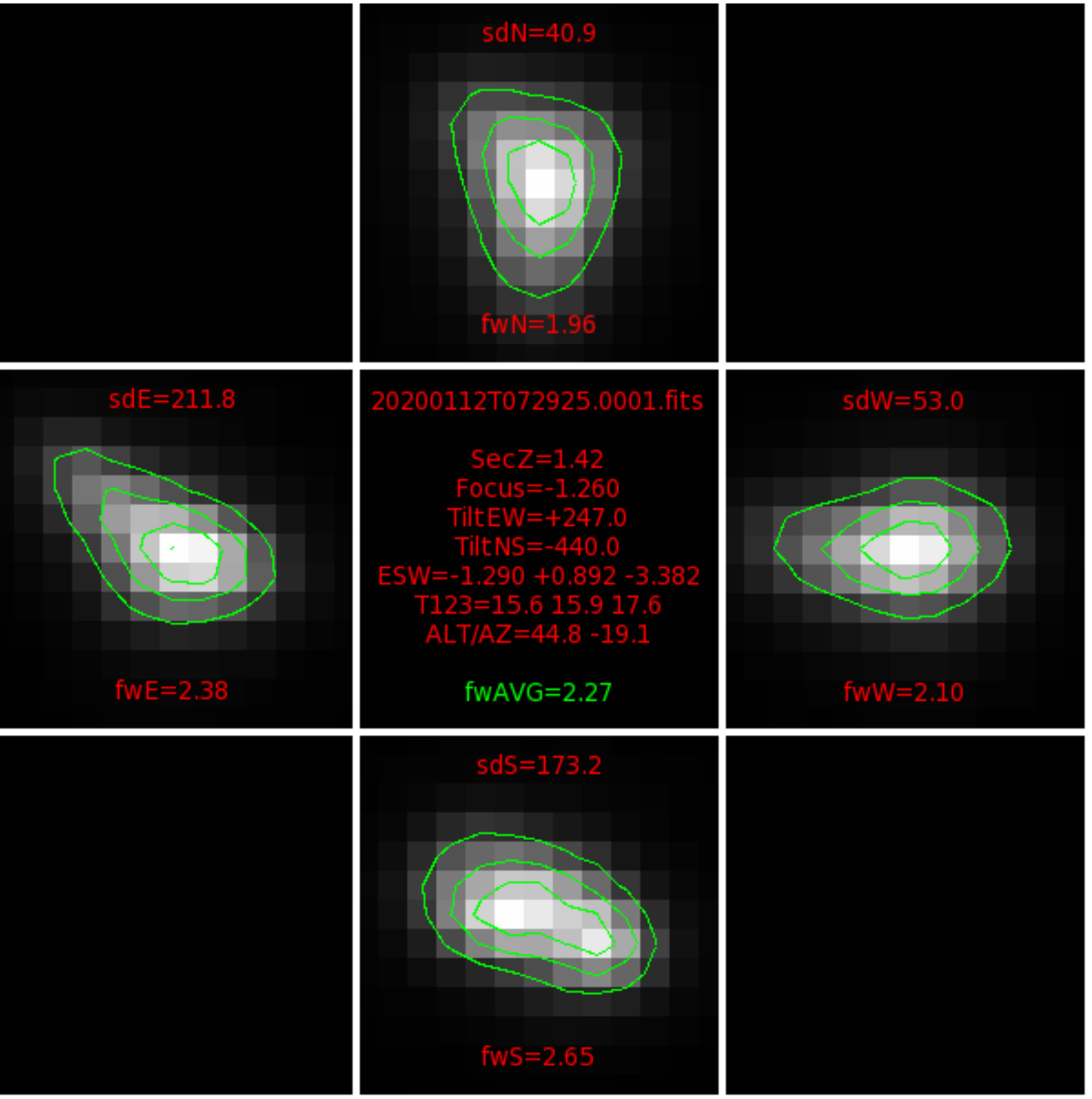
sdN=40.9
fwN=1.96
sdE=211.8
fwE=2.38
20200112T072925.0001.fits
SecZ=1.42
Focus=-1.260
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.290 +0.892 -3.382
T123=15.6 15.9 17.6
ALT/AZ=44.8 -19.1
fwAVG=2.27
sdW=53.0
fwW=2.10
sdS=173.2
fwS=2.65
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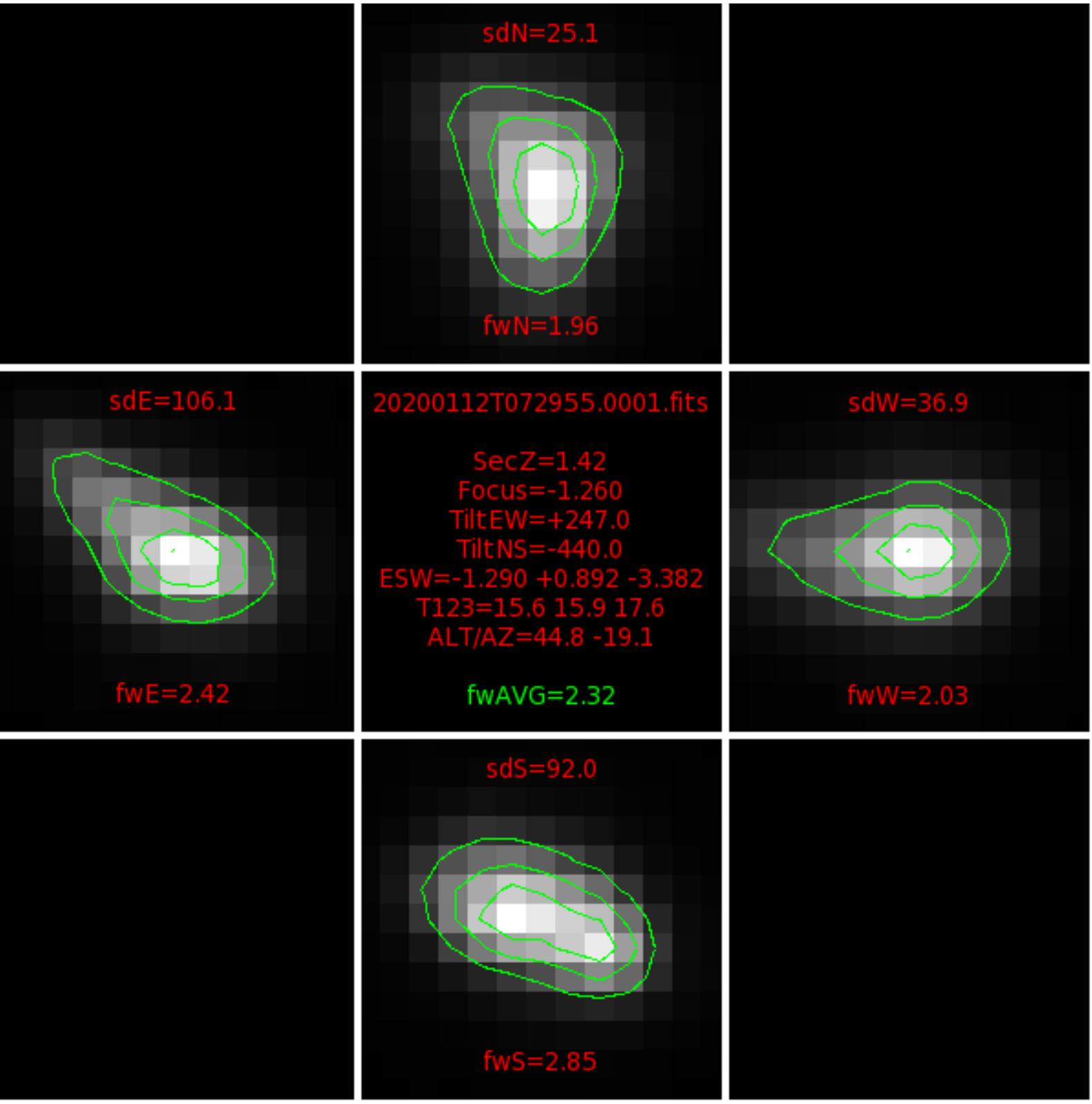
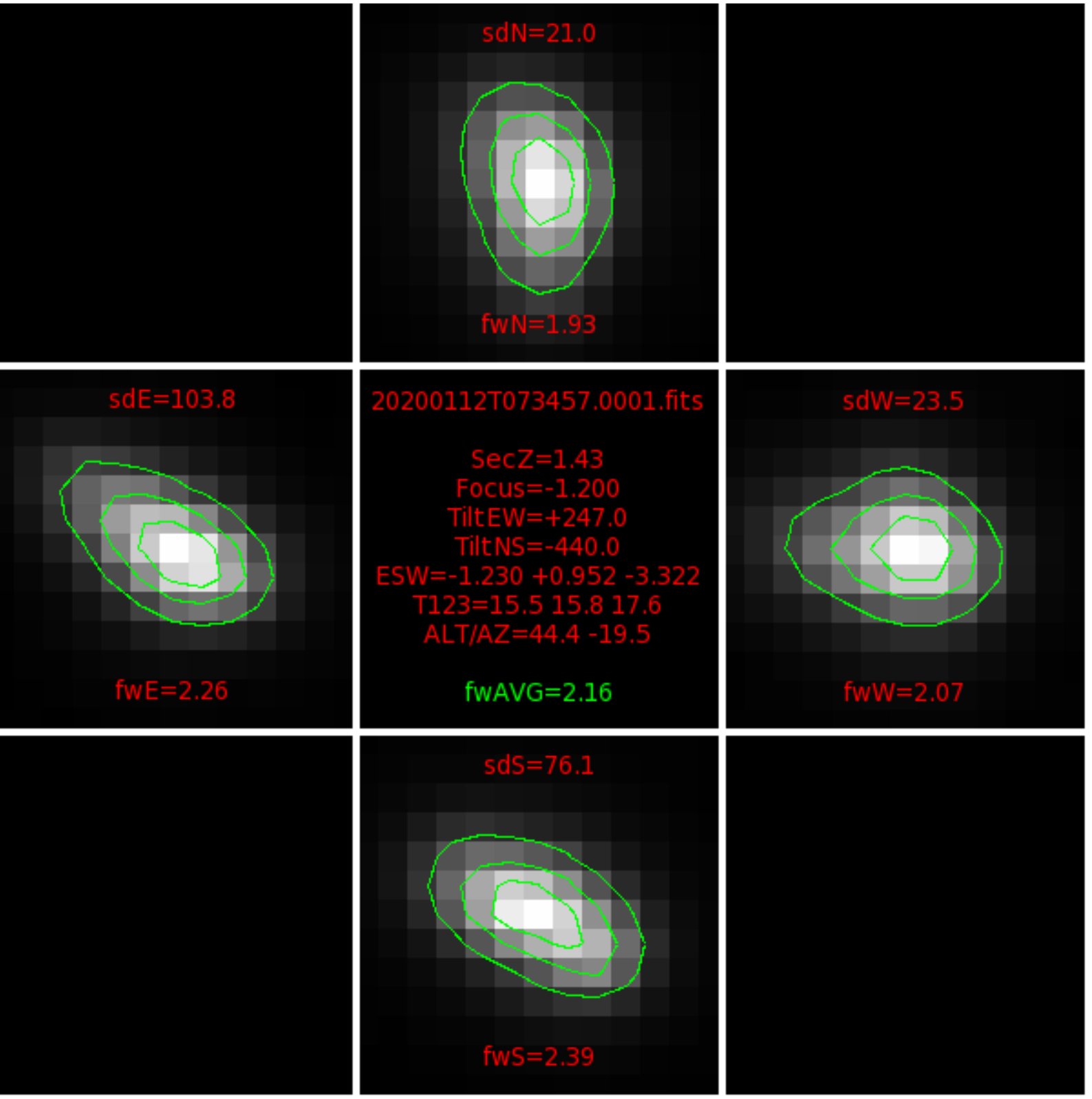
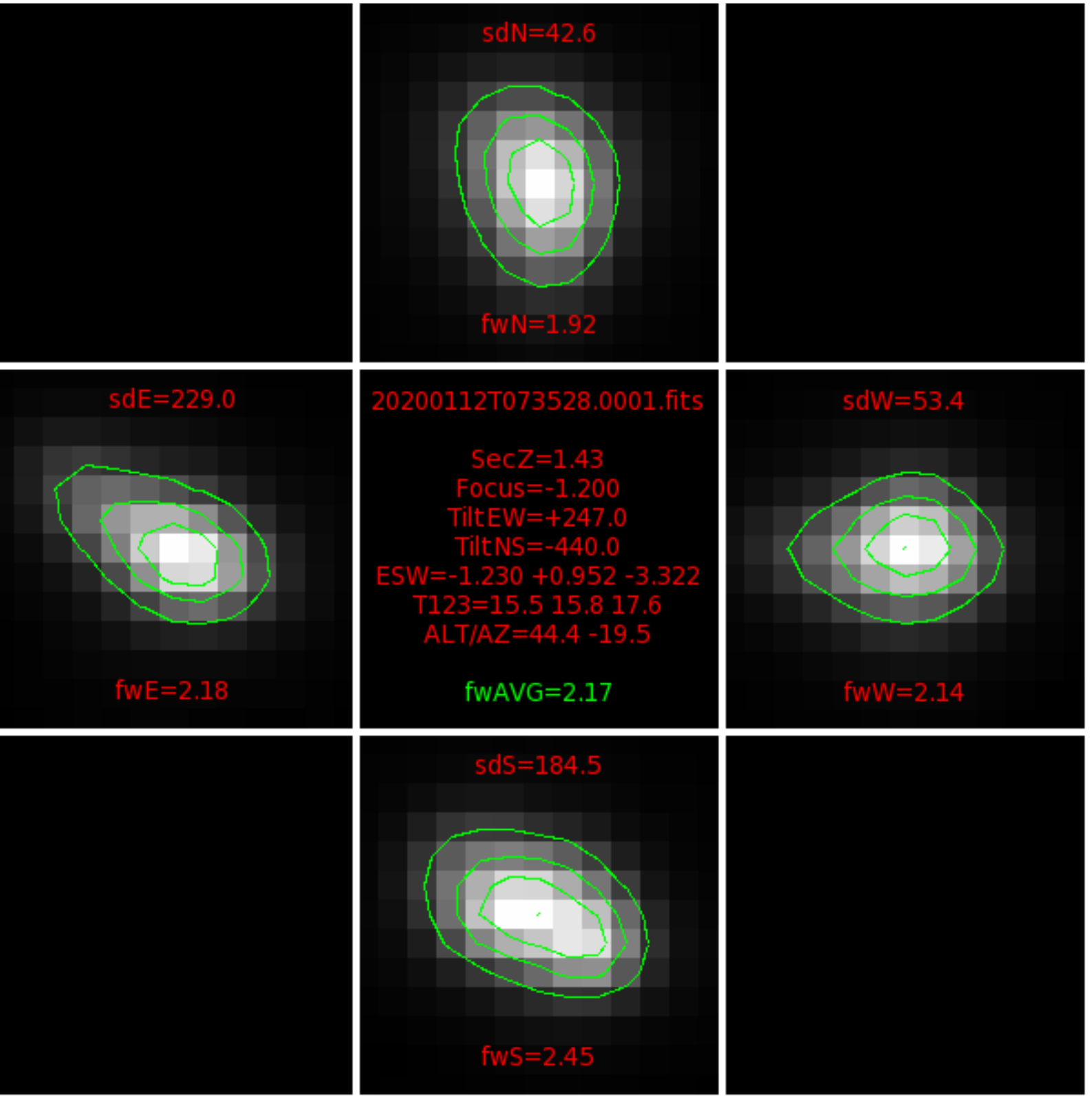

sdN=25.1
fwN=1.96
sdE=106.1
fwE=2.42
20200112T072955.0001.fits
SecZ=1.42
Focus=-1.260
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.290 +0.892 -3.382
T123=15.6 15.9 17.6
ALT/AZ=44.8 -19.1
fwAVG=2.32
sdW=36.9
fwW=2.03
sdS=92.0
fwS=2.85
0 0 0 0 0 0 0 0 0


sdN=21.0
fwN=1.93
sdE=103.8
fwE=2.26
20200112T073457.0001.fits
SecZ=1.43
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.5 15.8 17.6
ALT/AZ=44.4 -19.5
fwAVG=2.16
sdW=23.5
fwW=2.07
sdS=76.1
fwS=2.39
0 0 0 0 0 0 0 0 0


sdN=42.6
fwN=1.92
sdE=229.0
fwE=2.18
20200112T073528.0001.fits
SecZ=1.43
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.5 15.8 17.6
ALT/AZ=44.4 -19.5
fwAVG=2.17
sdW=53.4
fwW=2.14
sdS=184.5
fwS=2.45
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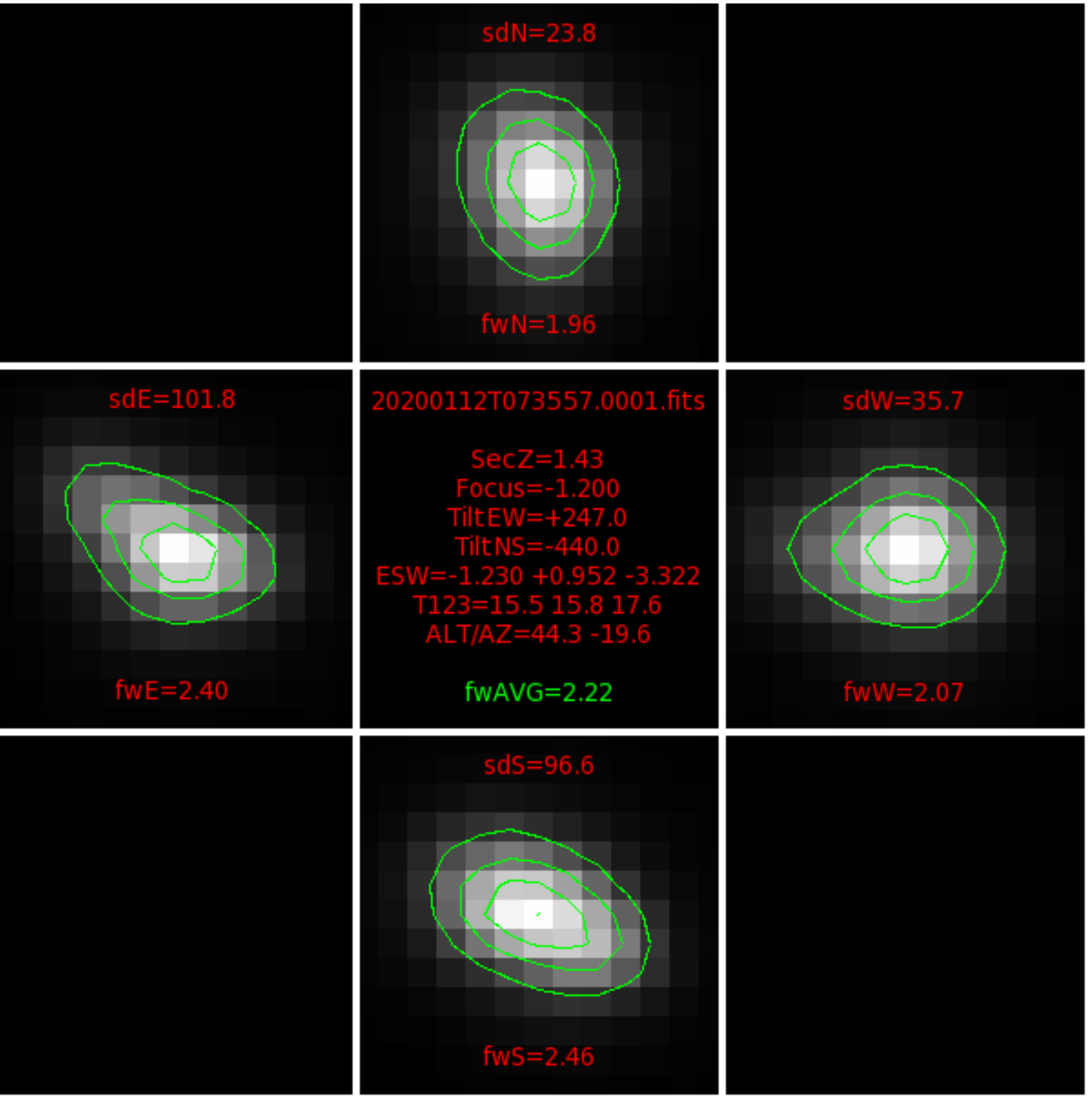
sdN=23.8
fwN=1.96
sdE=101.8
fwE=2.40
20200112T073557.0001.fits
SecZ=1.43
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.5 15.8 17.6
ALT/AZ=44.3 -19.6
fwAVG=2.22
sdW=35.7
fwW=2.07
sdS=96.6
fwS=2.46
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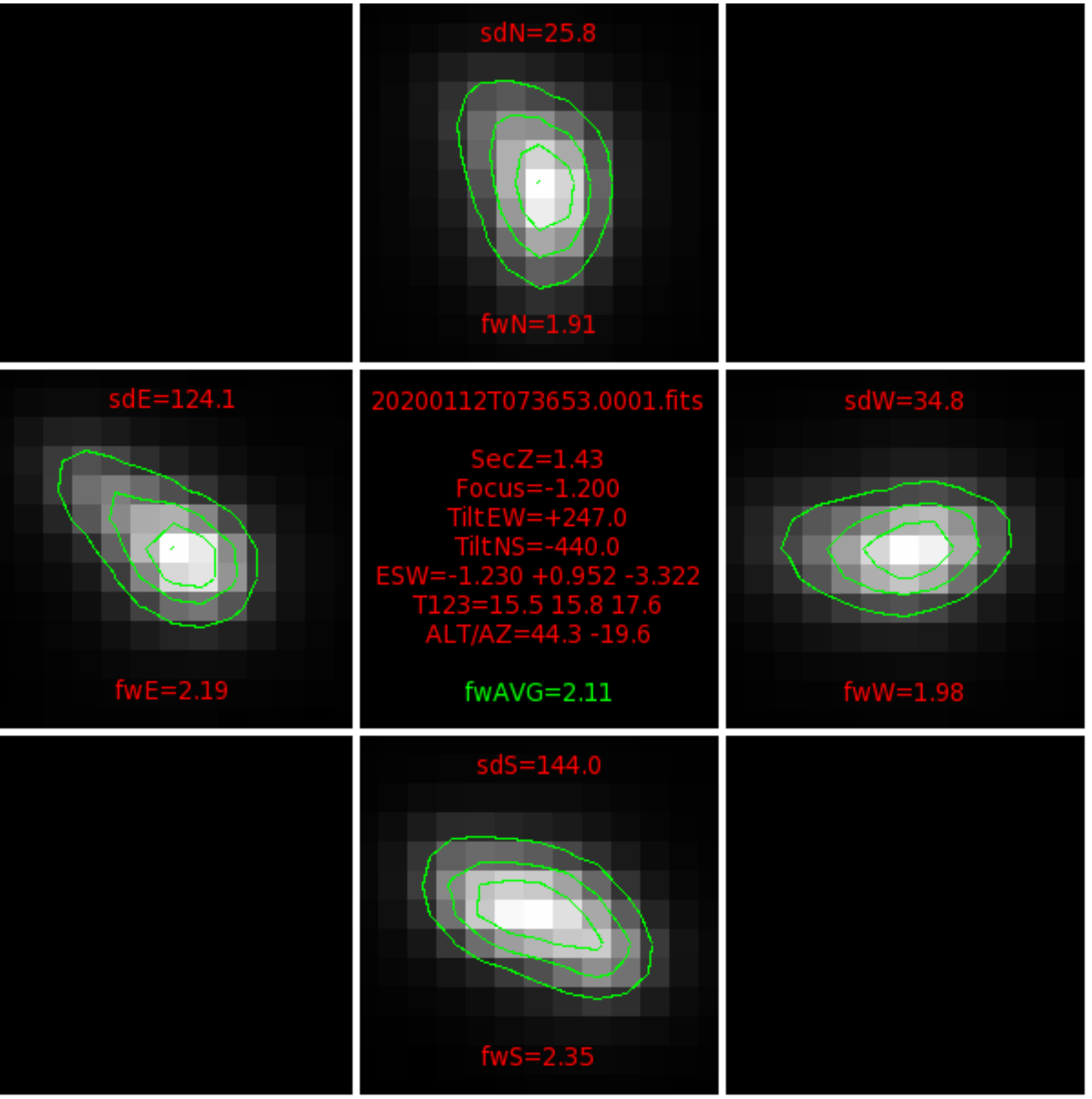
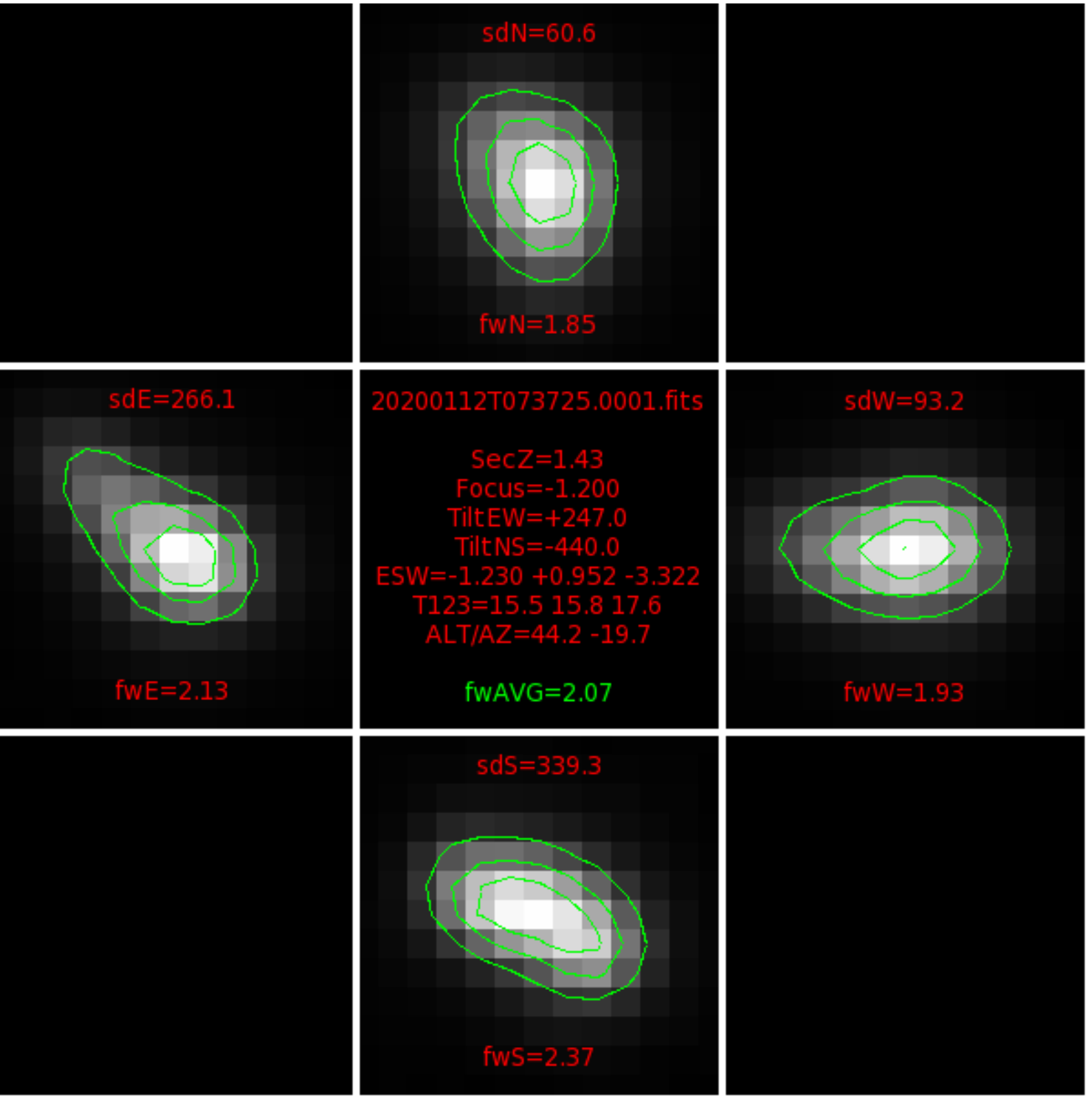

sdN=25.8
fwN=1.91
sdE=124.1
fwE=2.19
20200112T073653.0001.fits
SecZ=1.43
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.5 15.8 17.6
ALT/AZ=44.3 -19.6
fwAVG=2.11
sdW=34.8
fwW=1.98
sdS=144.0
fwS=2.35
0 0 0 0 0 0 0 0 0


sdN=60.6
fwN=1.85
sdE=266.1
fwE=2.13
20200112T073725.0001.fits
SecZ=1.43
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.5 15.8 17.6
ALT/AZ=44.2 -19.7
fwAVG=2.07
sdW=93.2
fwW=1.93
sdS=339.3
fwS=2.37
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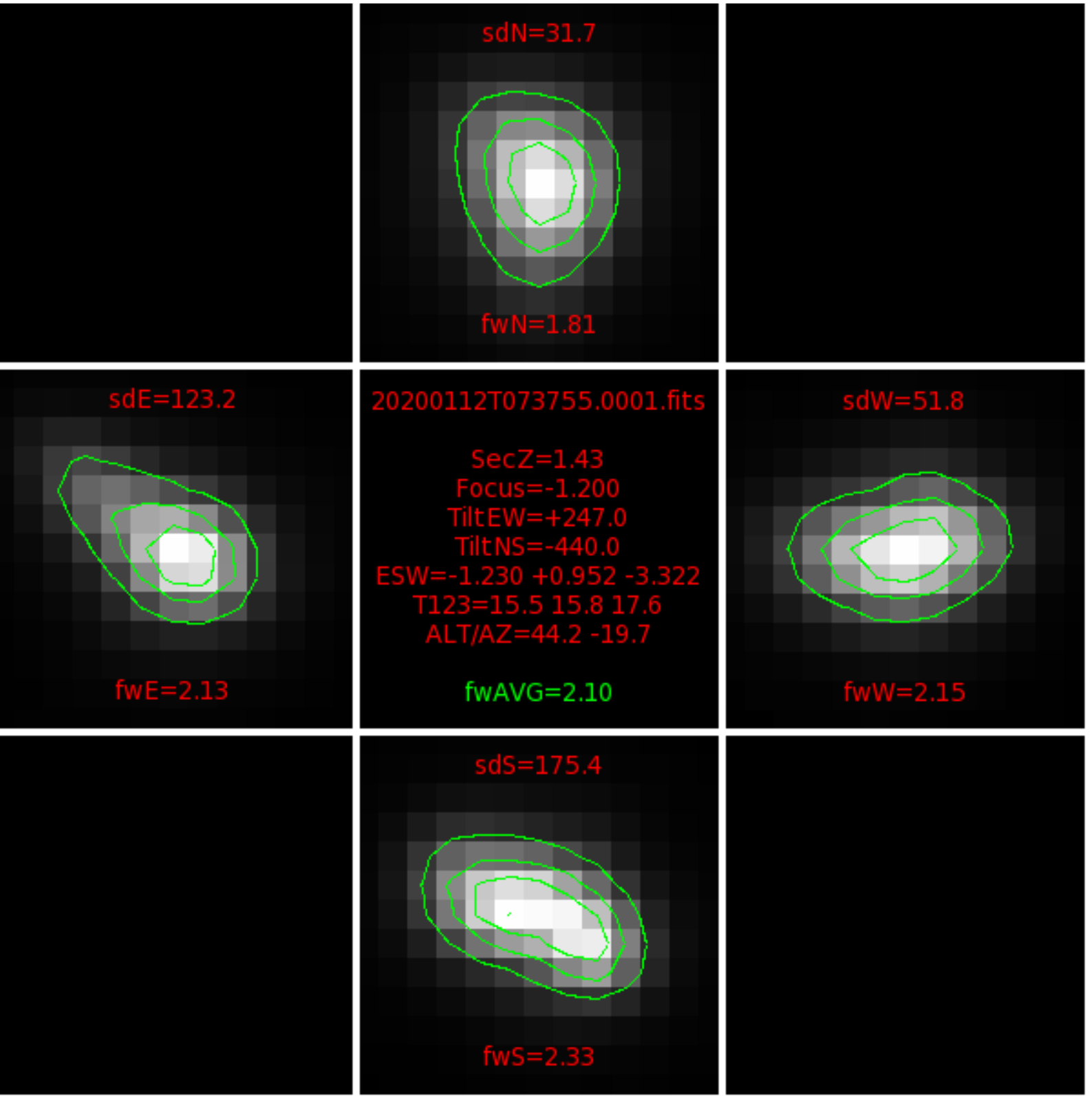
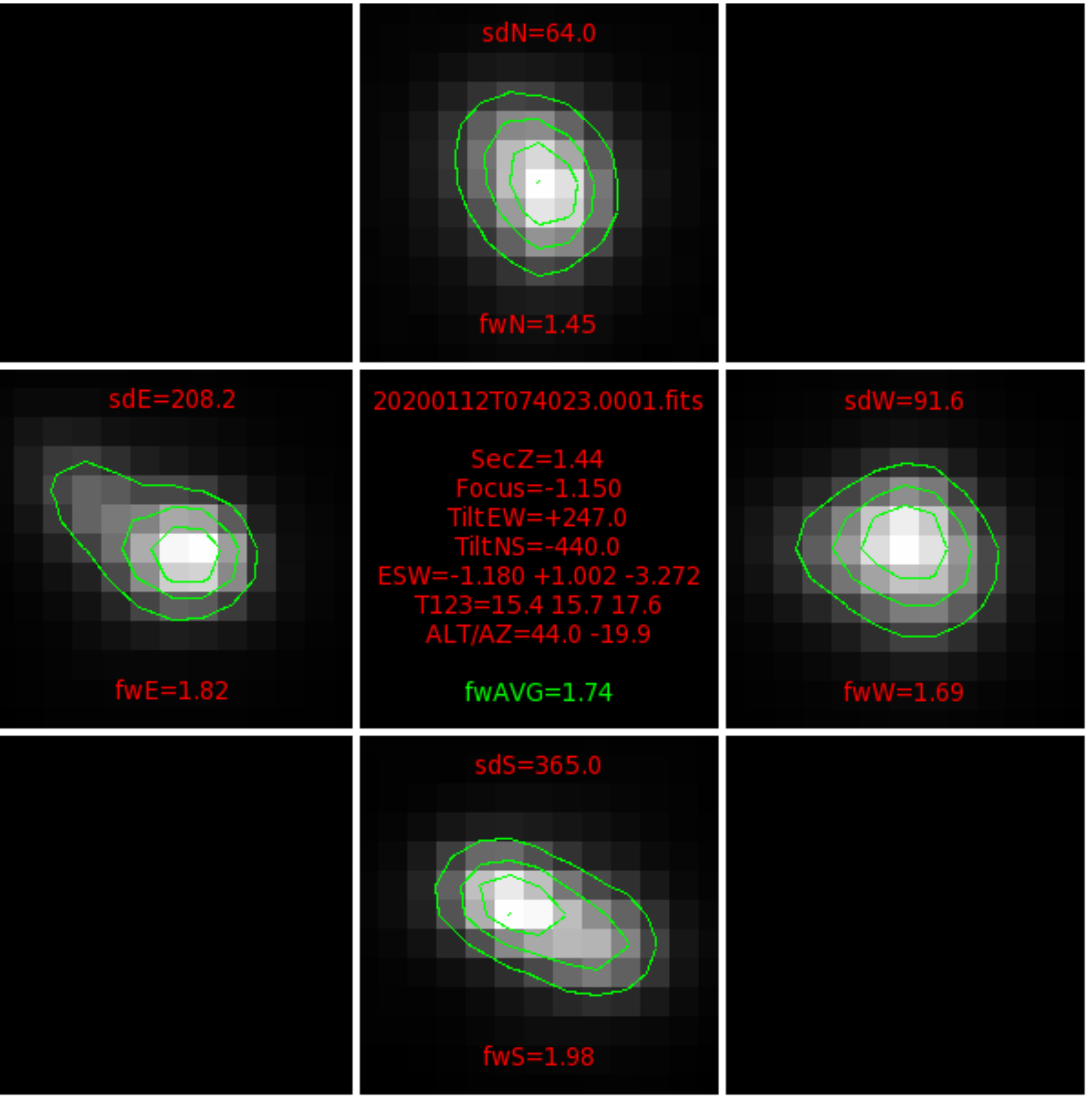
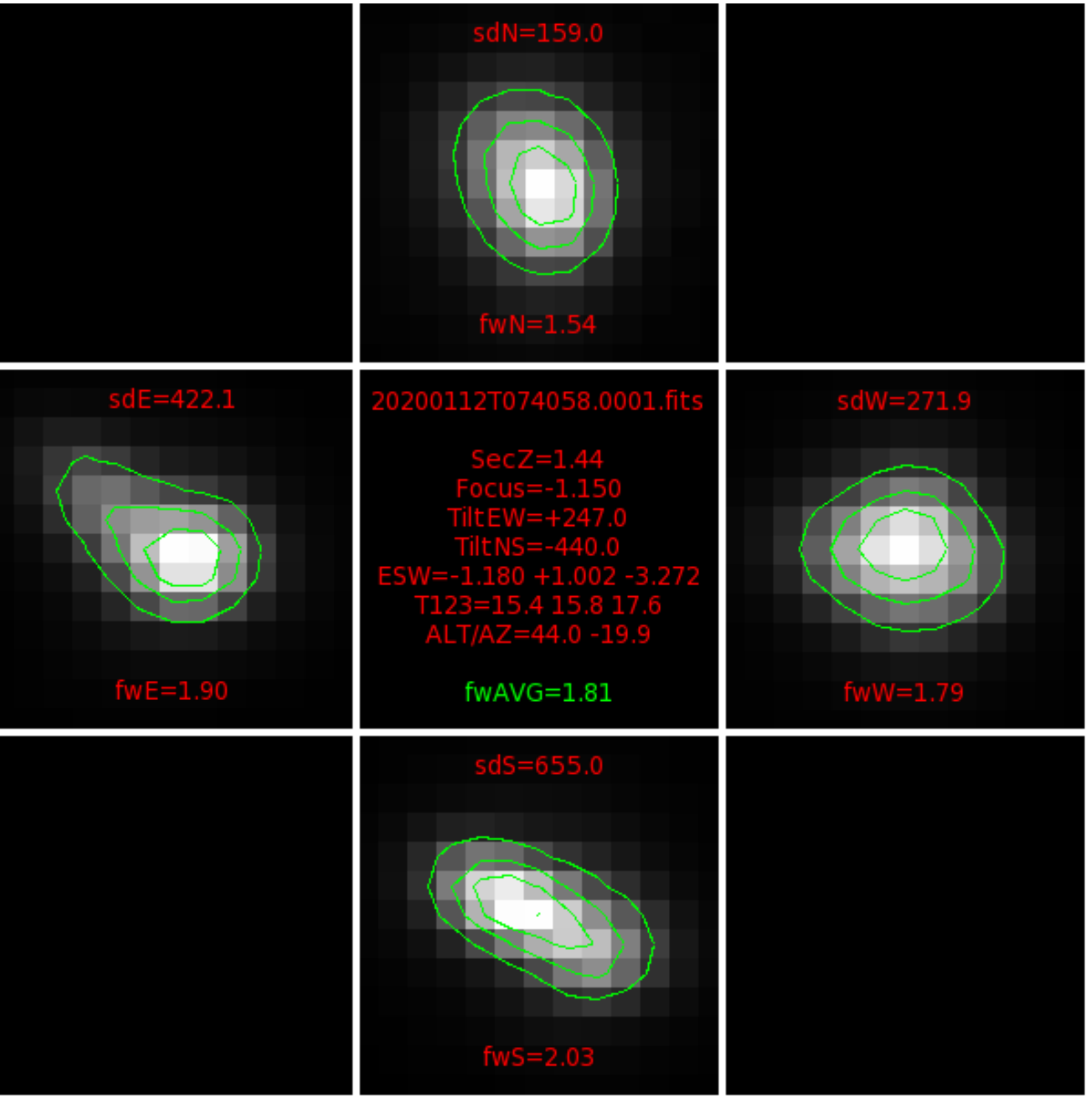
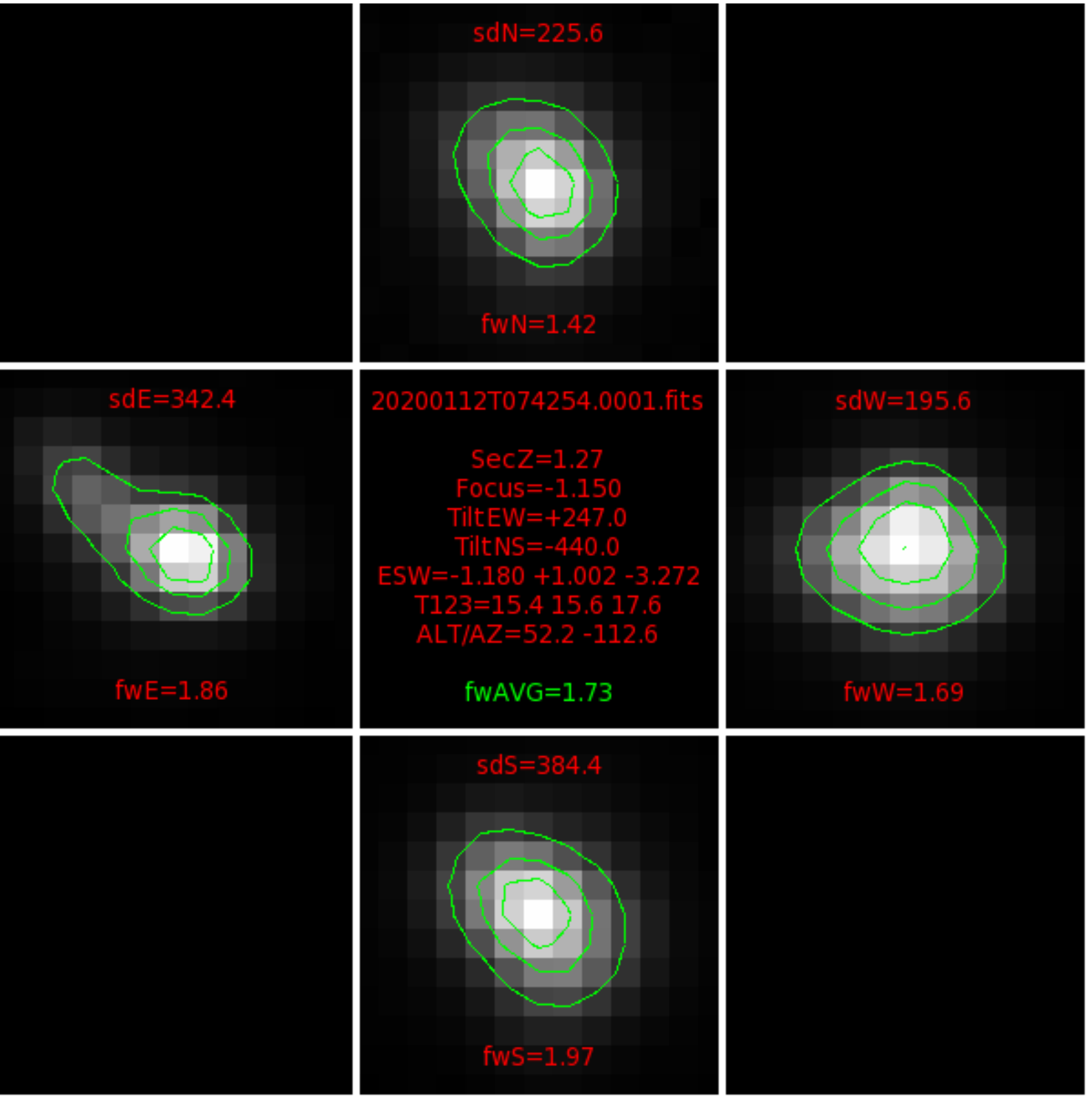
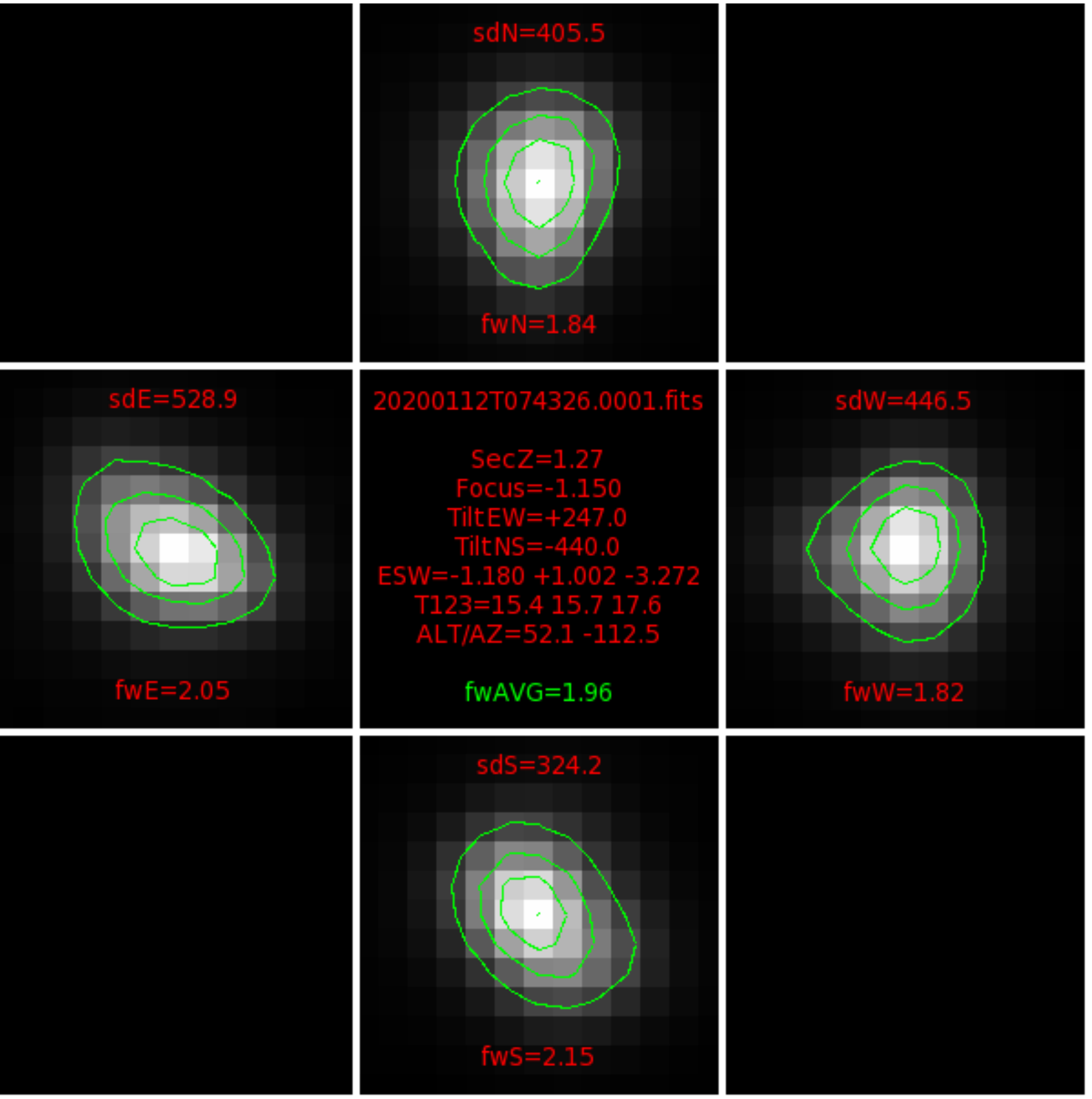
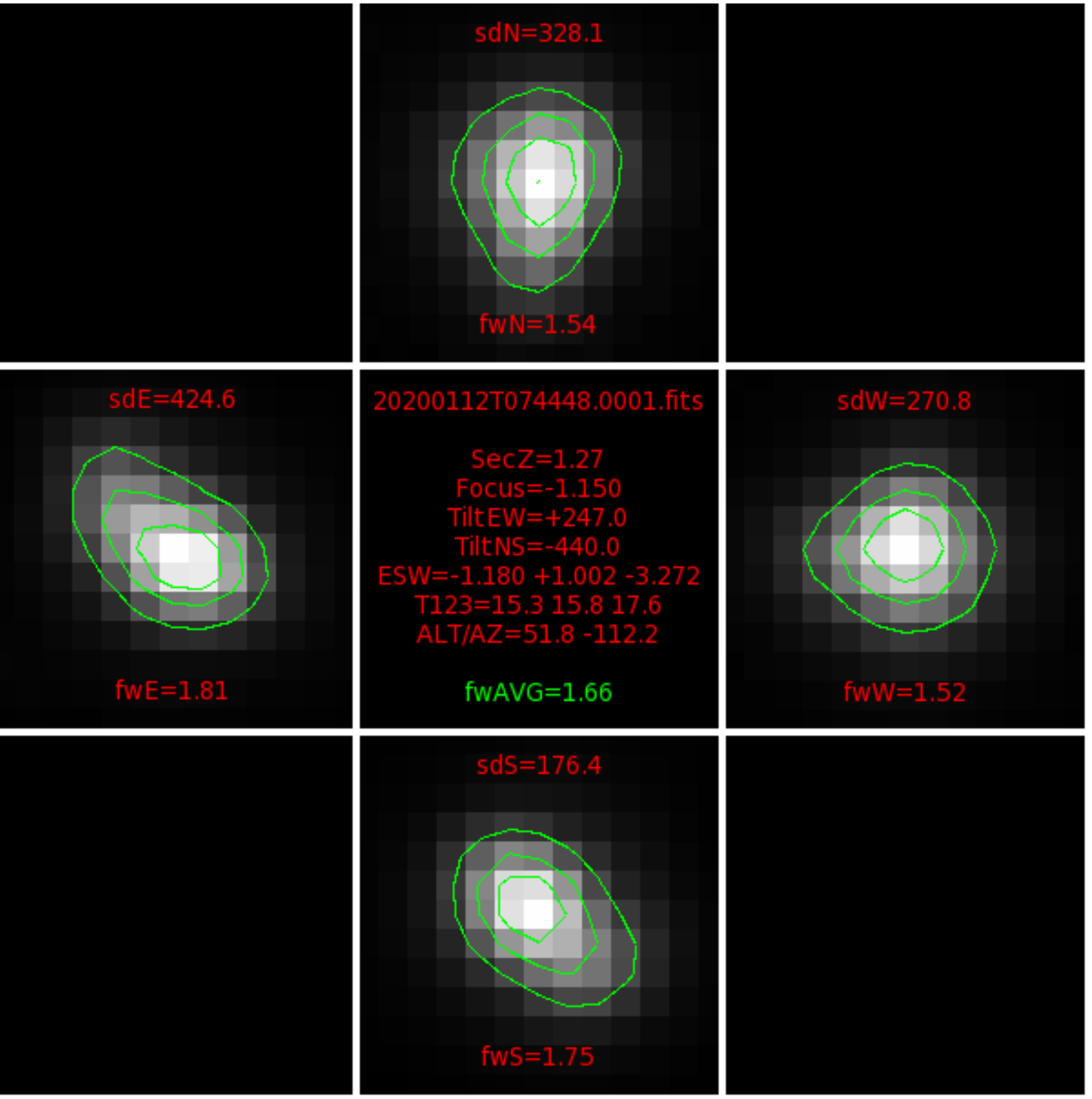

sdN=31.7
fwN=1.81
sdE=123.2
fwE=2.13
20200112T073755.0001.fits
SecZ=1.43
Focus=-1.200
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.230 +0.952 -3.322
T123=15.5 15.8 17.6
ALT/AZ=44.2 -19.7
fwAVG=2.10
sdW=51.8
fwW=2.15
sdS=175.4
fwS=2.33
0 0 0 0 0 0 0 0 0

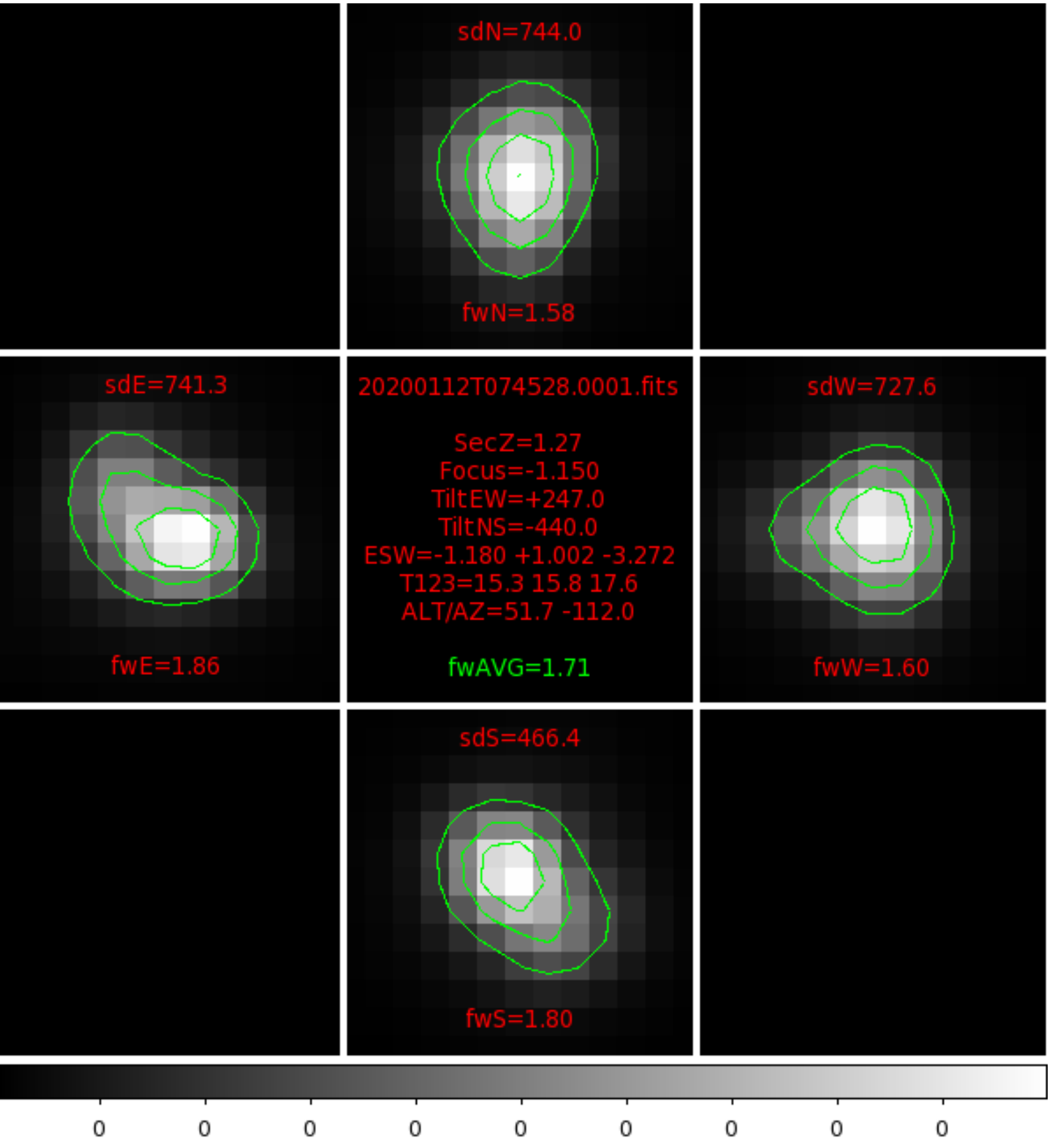

sdN=64.0
fwN=1.45
sdE=208.2
fwE=1.82
20200112T074023.0001.fits
SecZ=1.44
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=15.4 15.7 17.6
ALT/AZ=44.0 -19.9
fwAVG=1.74
sdW=91.6
fwW=1.69
sdS=365.0
fwS=1.98
0 0 0 0 0 0 0 0 0

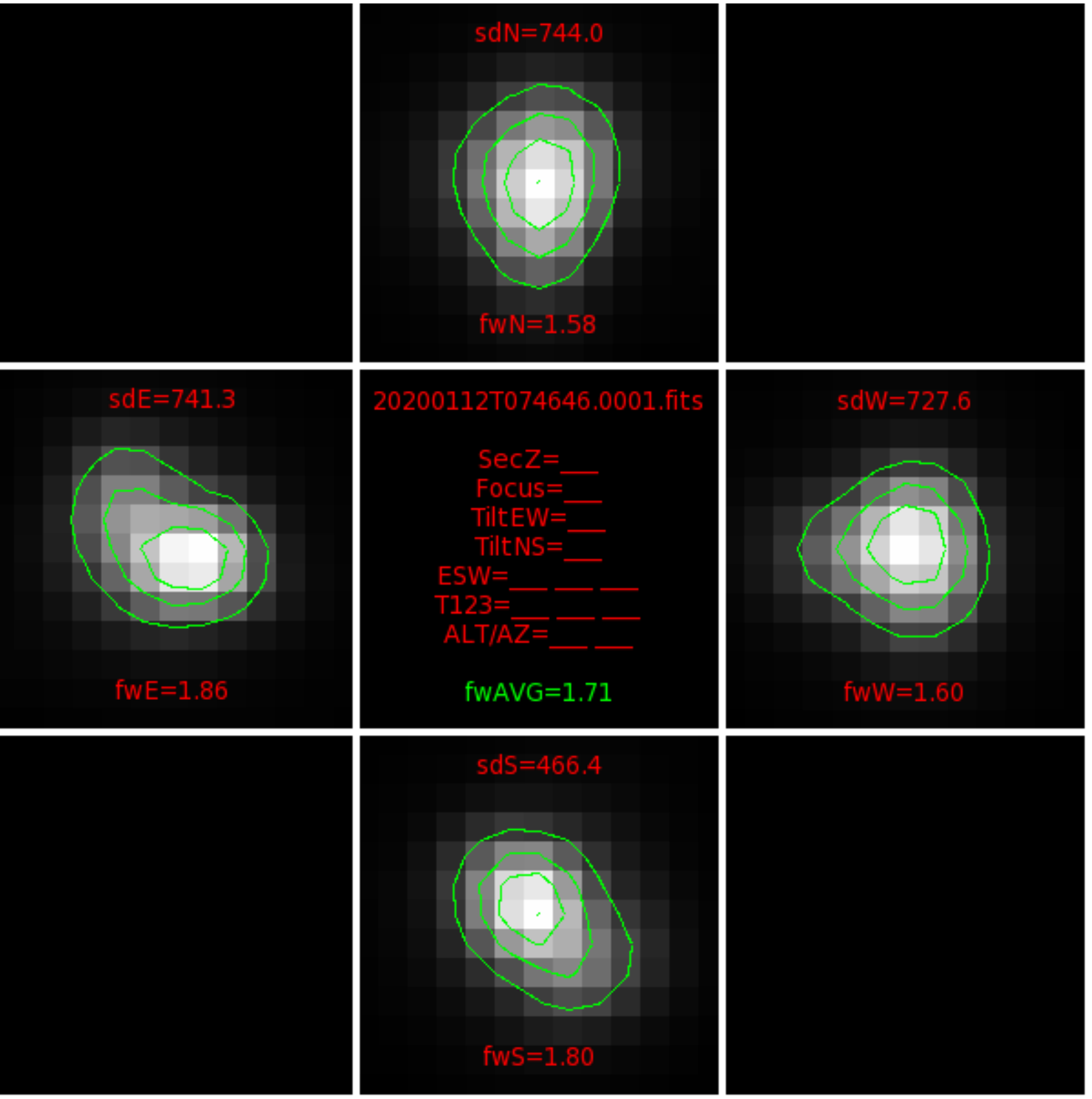

sdN=159.0
fwN=1.54
sdE=422.1
fwE=1.90
20200112T074058.0001.fits
SecZ=1.44
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=15.4 15.8 17.6
ALT/AZ=44.0 -19.9
fwAVG=1.81
sdW=271.9
fwW=1.79
sdS=655.0
fwS=2.03
0 0 0 0 0 0 0 0 0


sdN=225.6
fwN=1.42
sdE=342.4
fwE=1.86
20200112T074254.0001.fits
SecZ=1.27
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=15.4 15.6 17.6
ALT/AZ=52.2 -112.6
fwAVG=1.73
sdW=195.6
fwW=1.69
sdS=384.4
fwS=1.97
0 0 0 0 0 0 0 0 0


sdN=405.5
fwN=1.84
sdE=528.9
fwE=2.05
20200112T074326.0001.fits
SecZ=1.27
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=15.4 15.7 17.6
ALT/AZ=52.1 -112.5
fwAVG=1.96
sdW=446.5
fwW=1.82
sdS=324.2
fwS=2.15
0 0 0 0 0 0 0 0 0


sdN=328.1
fwN=1.54
sdE=424.6
fwE=1.81
20200112T074448.0001.fits
SecZ=1.27
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=15.3 15.8 17.6
ALT/AZ=51.8 -112.2
fwAVG=1.66
sdW=270.8
fwW=1.52
sdS=176.4
fwS=1.75
0 0 0 0 0 0 0 0 0


sdN=744.0
fwN=1.58
sdE=741.3
fwE=1.86
20200112T074528.0001.fits
SecZ=1.27
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=15.3 15.8 17.6
ALT/AZ=51.7 -112.0
fwAVG=1.71
sdW=727.6
fwW=1.60
sdS=466.4
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=744.0
fwN=1.58
sdE=741.3
fwE=1.86
20200112T074646.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.71
sdW=727.6
fwW=1.60
sdS=466.4
fwS=1.80
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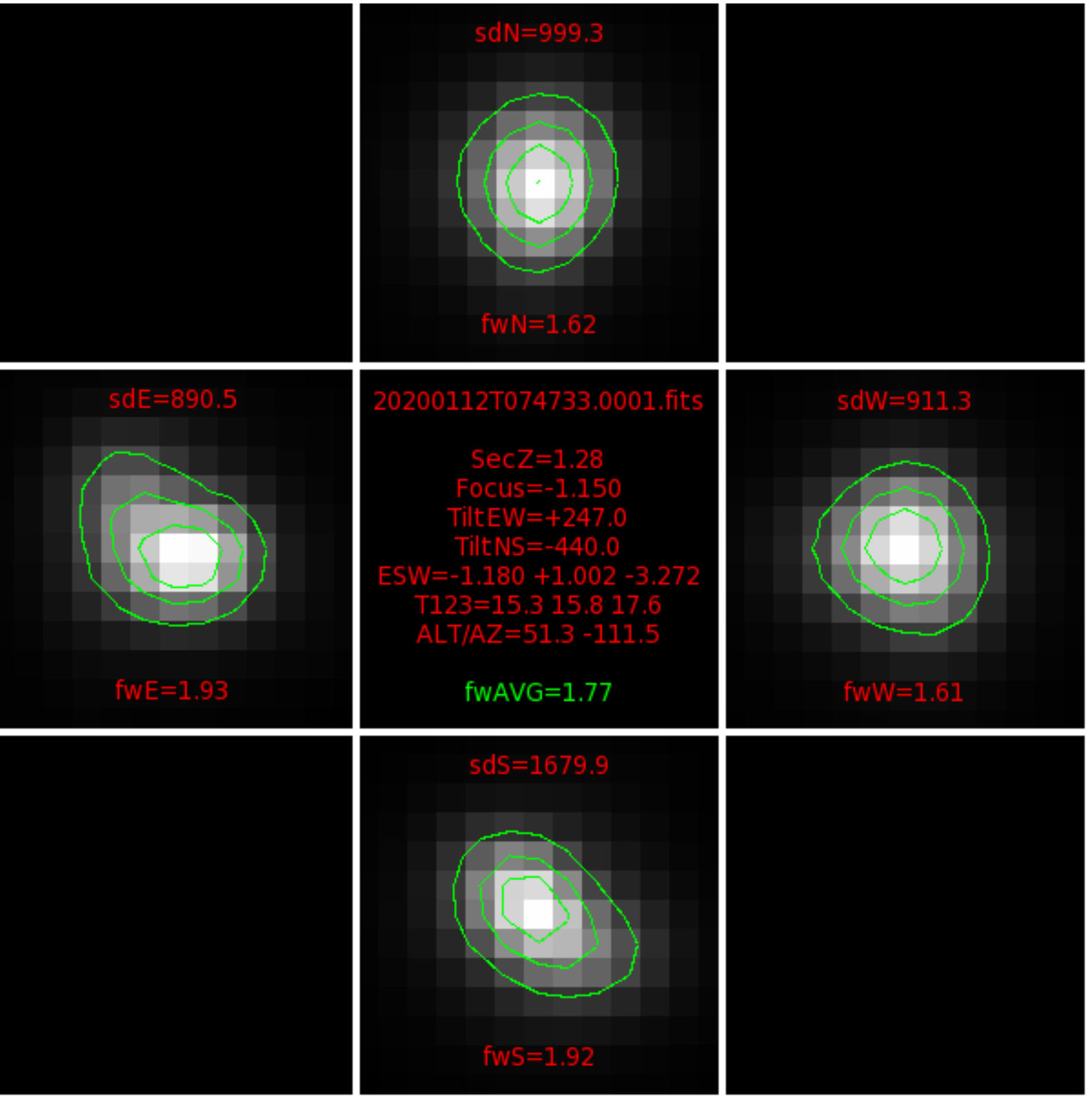
sdN=999.3
fwN=1.62
sdE=890.5
fwE=1.93
20200112T074733.0001.fits
SecZ=1.28
Focus=-1.150
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.180 +1.002 -3.272
T123=15.3 15.8 17.6
ALT/AZ=51.3 -111.5
fwAVG=1.77
sdW=911.3
fwW=1.61
sdS=1679.9
fwS=1.92
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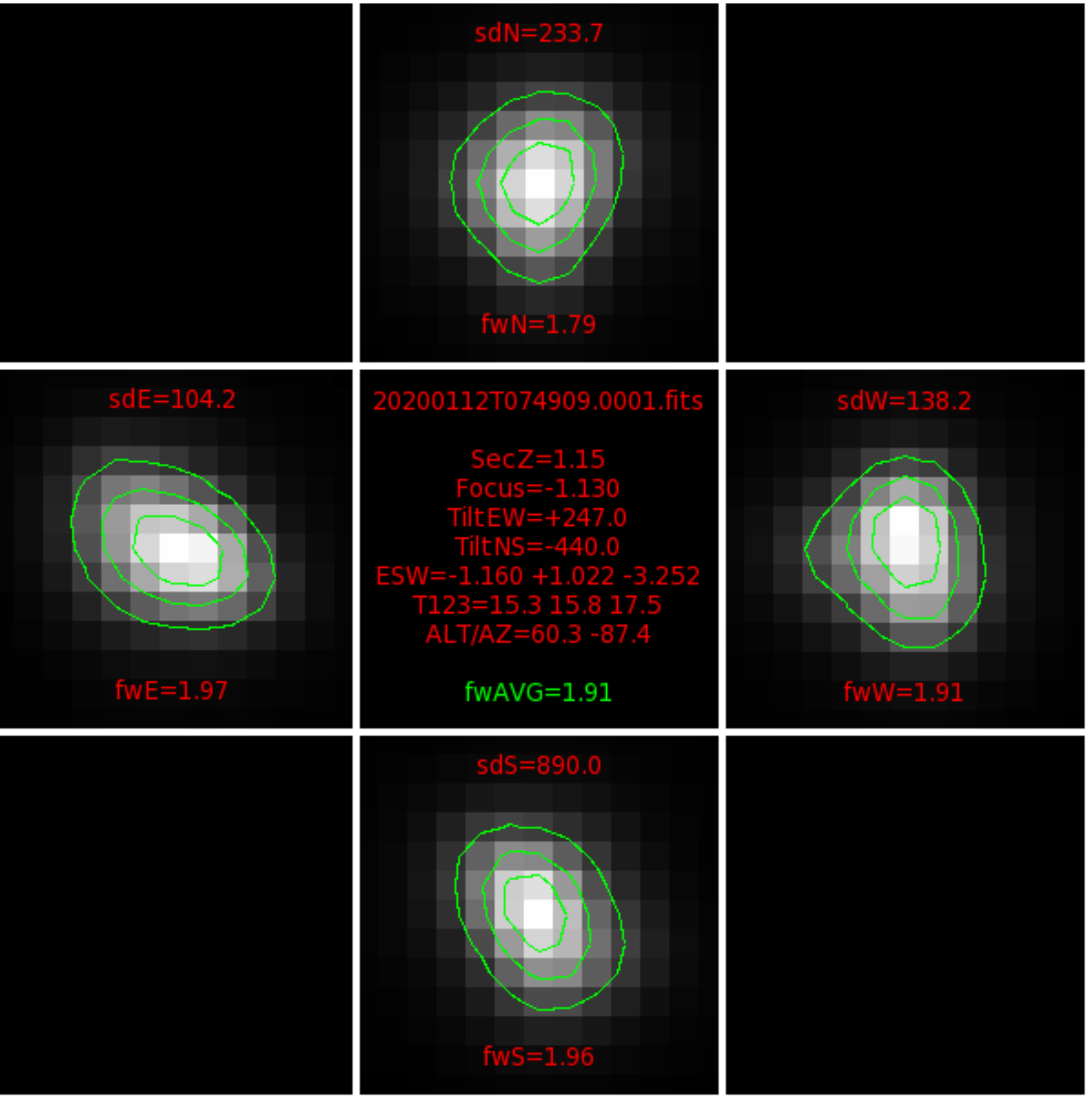
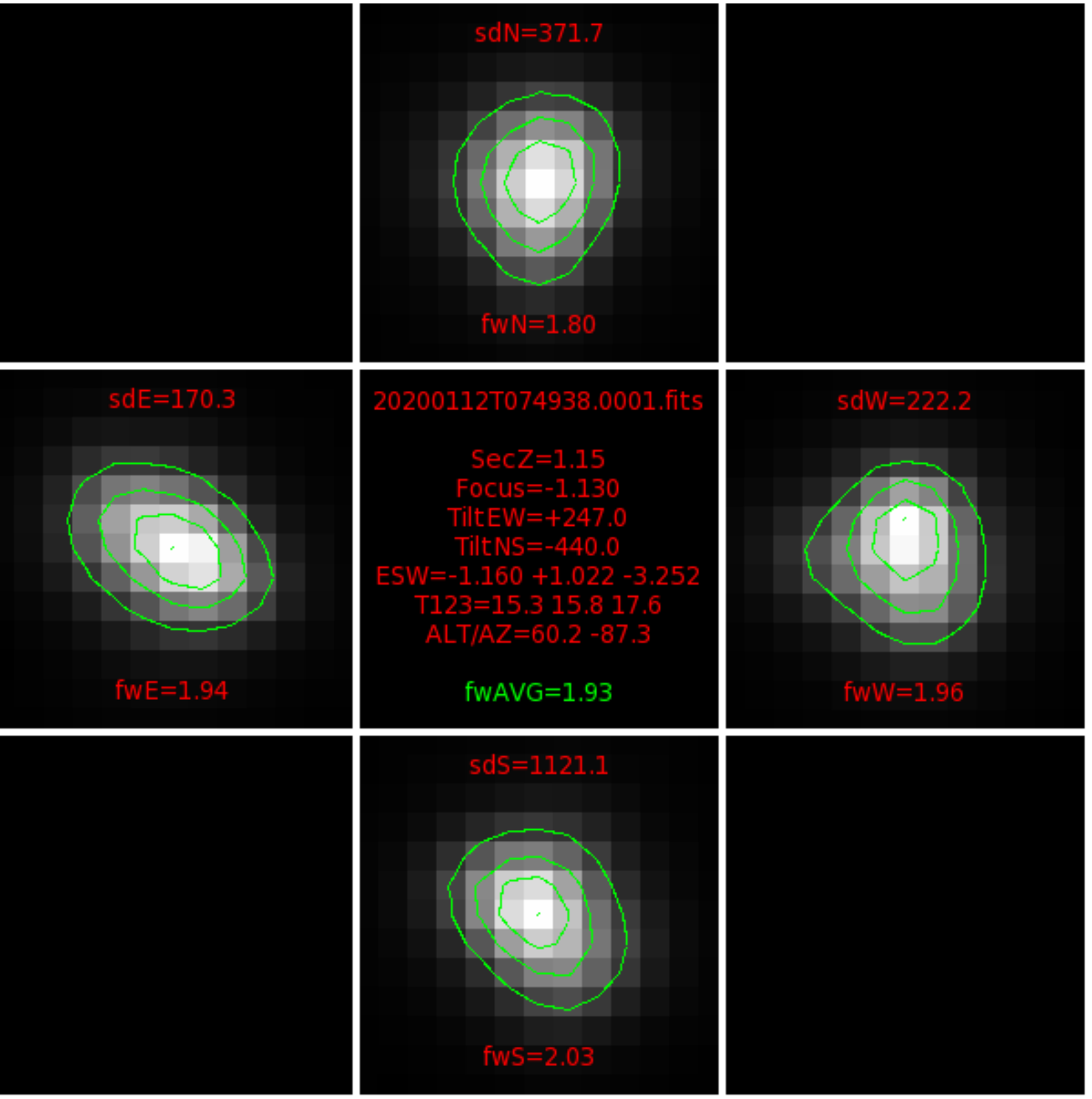

sdN=233.7
fwN=1.79
sdE=104.2
fwE=1.97
20200112T074909.0001.fits
SecZ=1.15
Focus=-1.130
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.160 +1.022 -3.252
T123=15.3 15.8 17.5
ALT/AZ=60.3 -87.4
fwAVG=1.91
sdW=138.2
fwW=1.91
sdS=890.0
fwS=1.96
0 0 0 0 0 0 0 0 0


sdN=371.7
fwN=1.80
sdE=170.3
fwE=1.94
20200112T074938.0001.fits
SecZ=1.15
Focus=-1.130
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.160 +1.022 -3.252
T123=15.3 15.8 17.6
ALT/AZ=60.2 -87.3
fwAVG=1.93
sdW=222.2
fwW=1.96
sdS=1121.1
fwS=2.03
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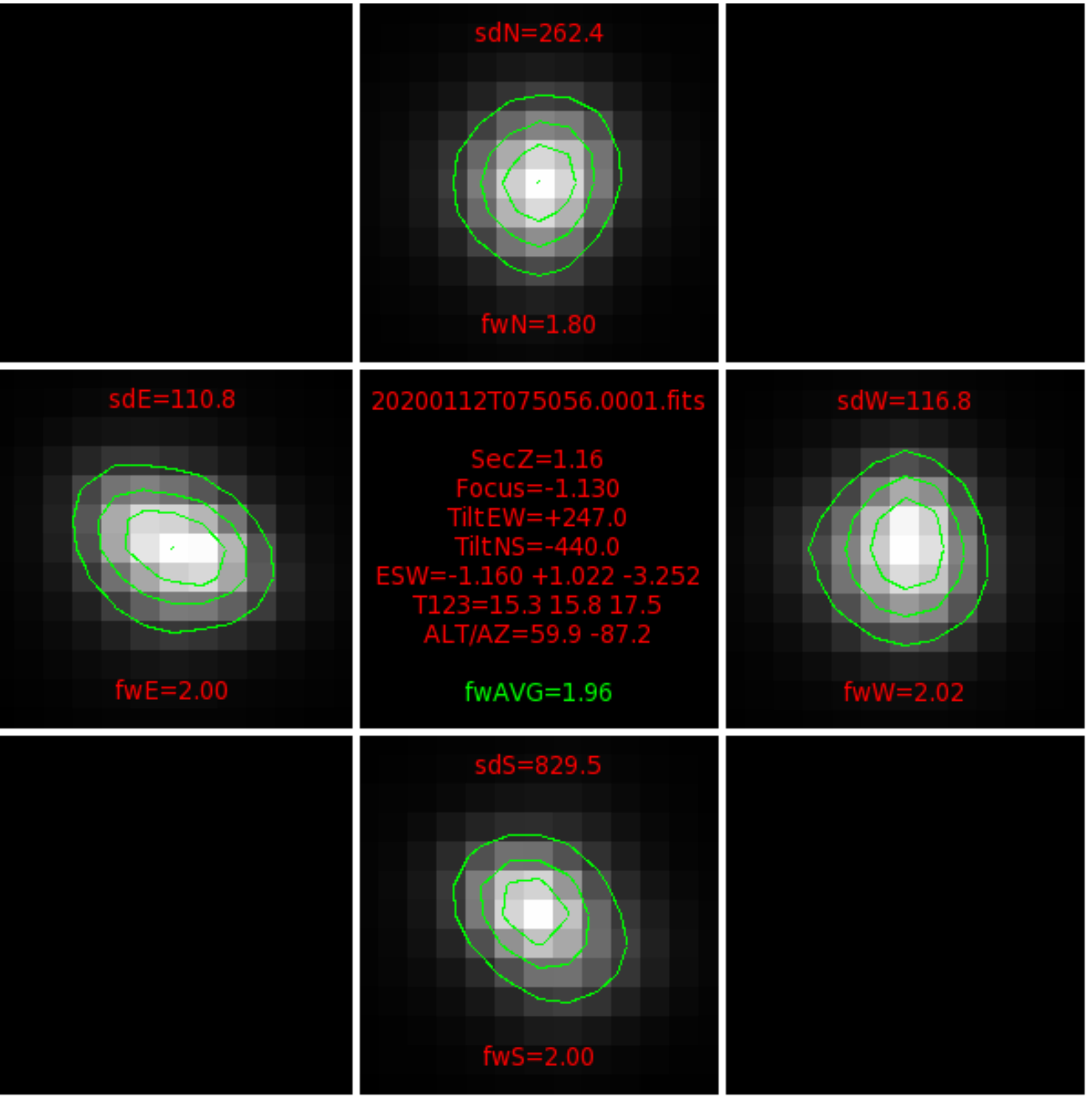
sdN=262.4
fwN=1.80
sdE=110.8
fwE=2.00
20200112T075056.0001.fits
SecZ=1.16
Focus=-1.130
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.160 +1.022 -3.252
T123=15.3 15.8 17.5
ALT/AZ=59.9 -87.2
fwAVG=1.96
sdW=116.8
fwW=2.02
sdS=829.5
fwS=2.00
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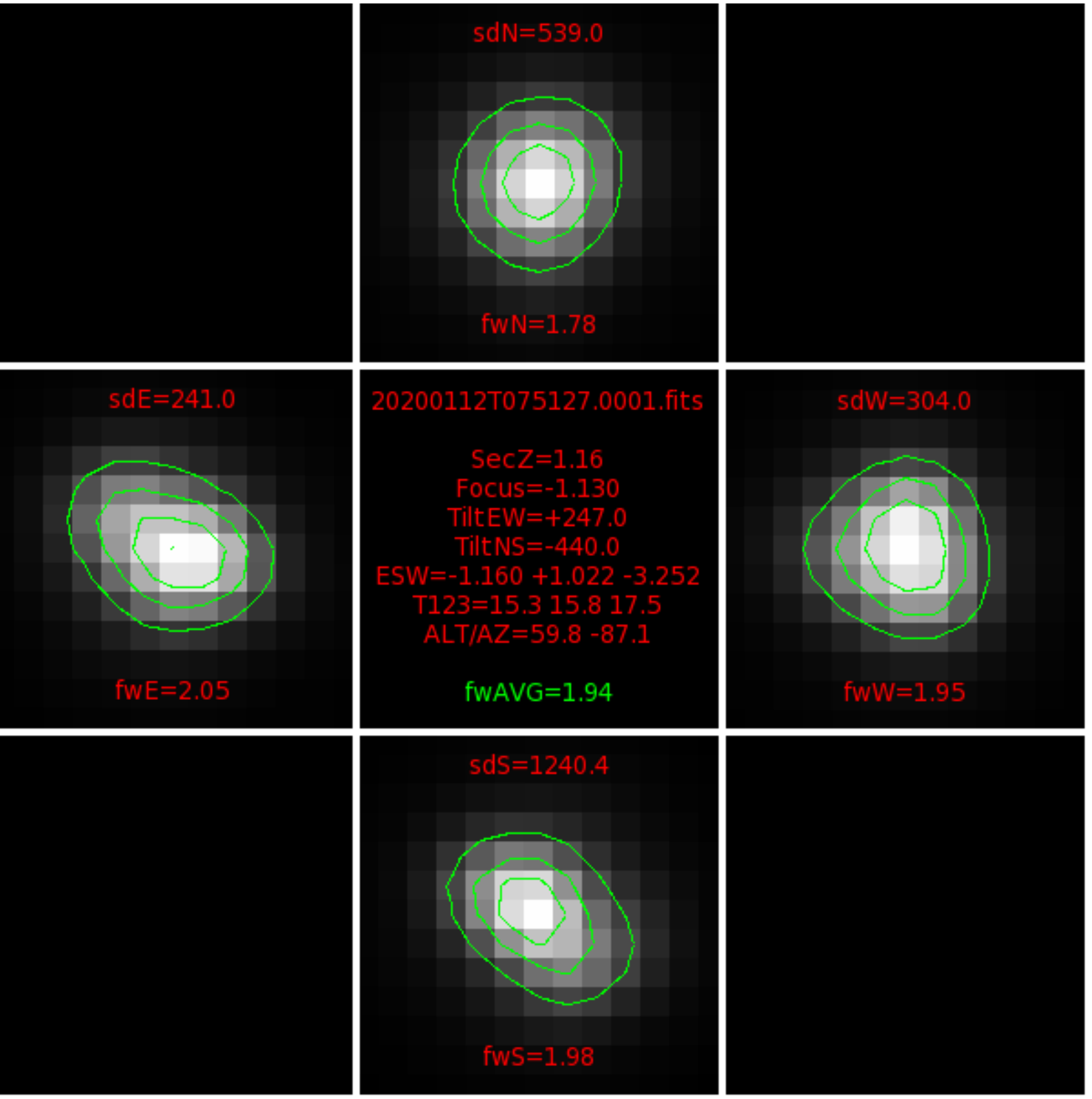
sdN=539.0
fwN=1.78
sdE=241.0
fwE=2.05
20200112T075127.0001.fits
SecZ=1.16
Focus=-1.130
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.160 +1.022 -3.252
T123=15.3 15.8 17.5
ALT/AZ=59.8 -87.1
fwAVG=1.94
sdW=304.0
fwW=1.95
sdS=1240.4
fwS=1.98
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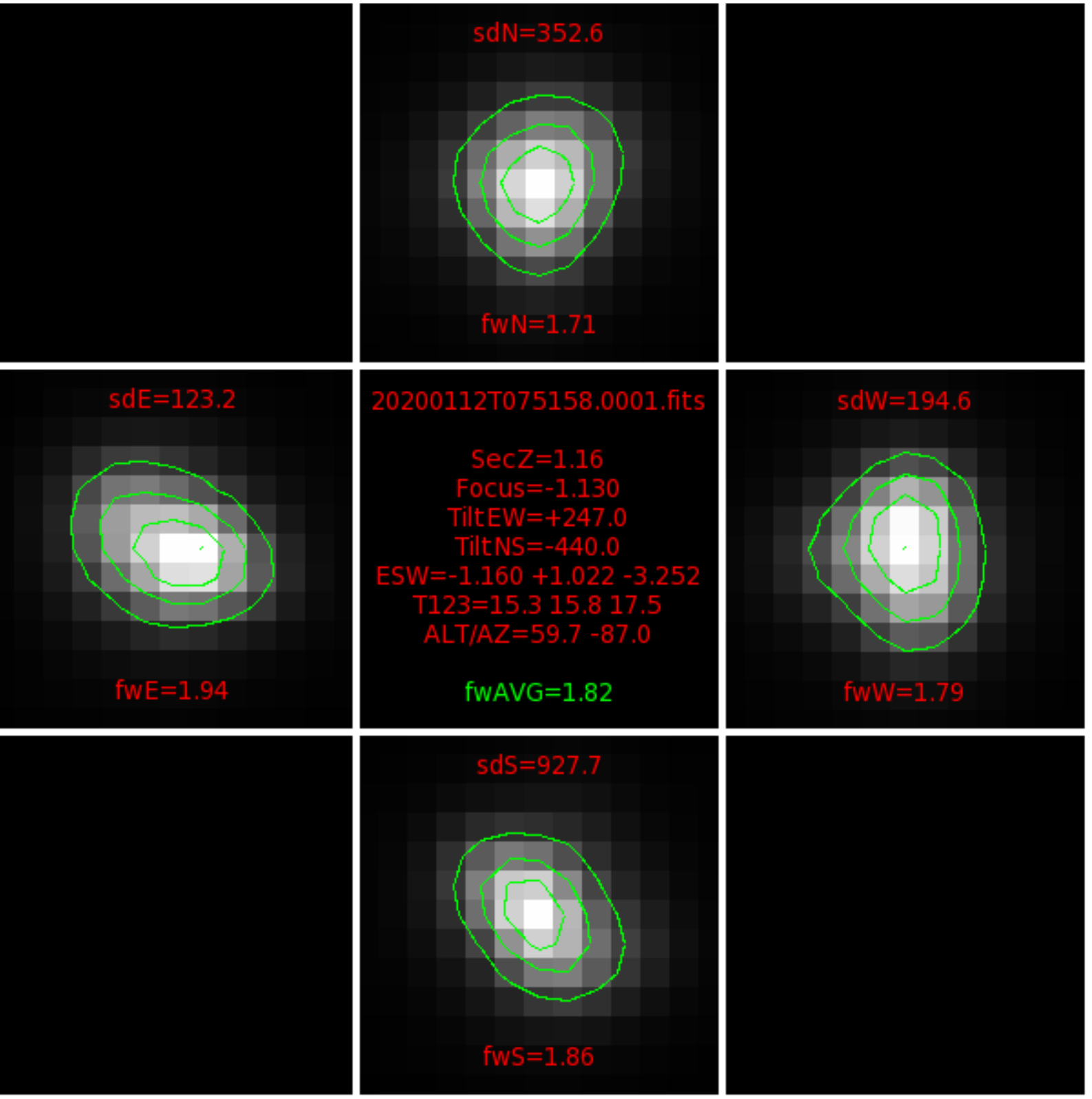
sdN=352.6
fwN=1.71
sdE=123.2
fwE=1.94
20200112T075158.0001.fits
SecZ=1.16
Focus=-1.130
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.160 +1.022 -3.252
T123=15.3 15.8 17.5
ALT/AZ=59.7 -87.0
fwAVG=1.82
sdW=194.6
fwW=1.79
sdS=927.7
fwS=1.86
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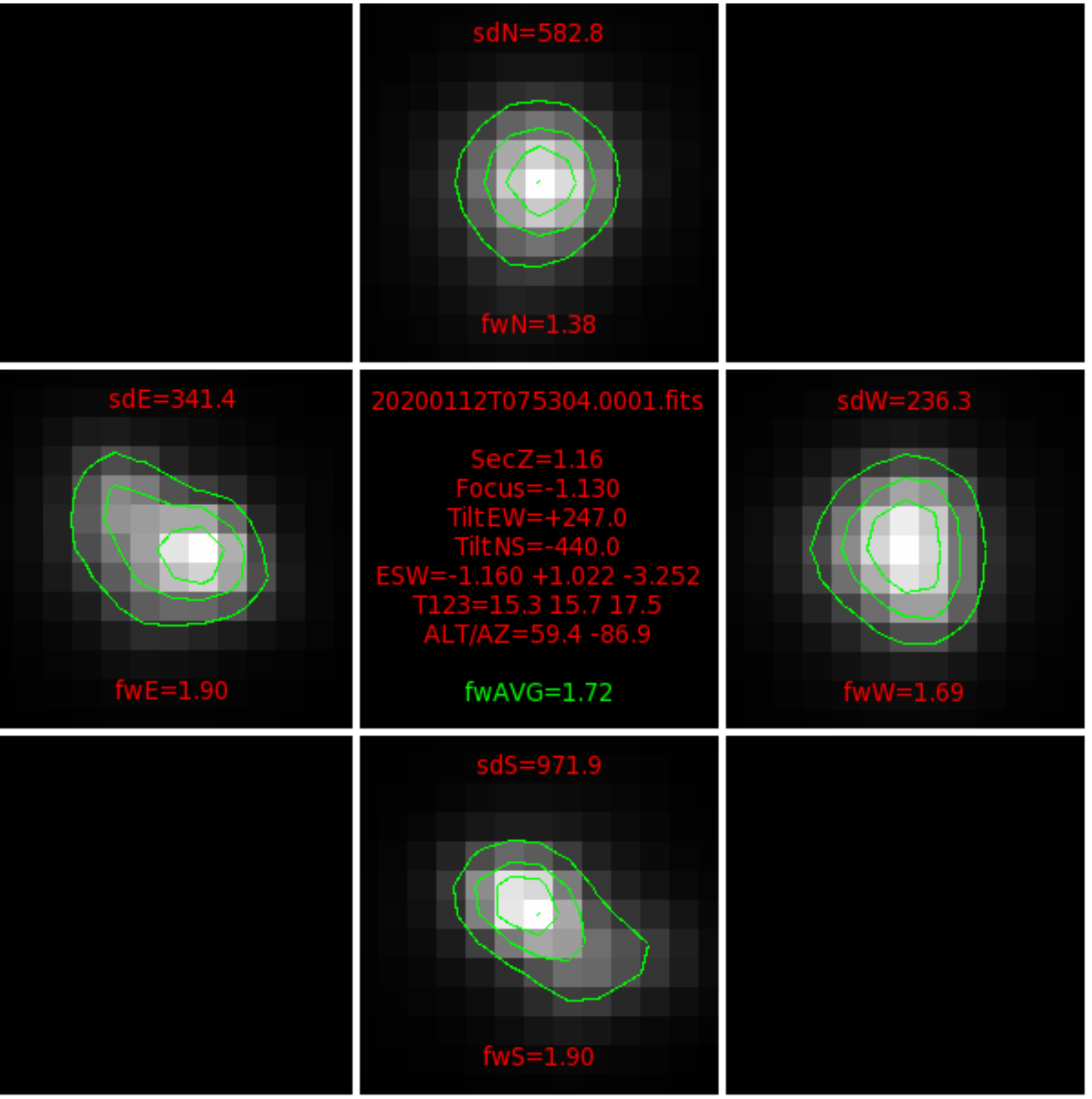
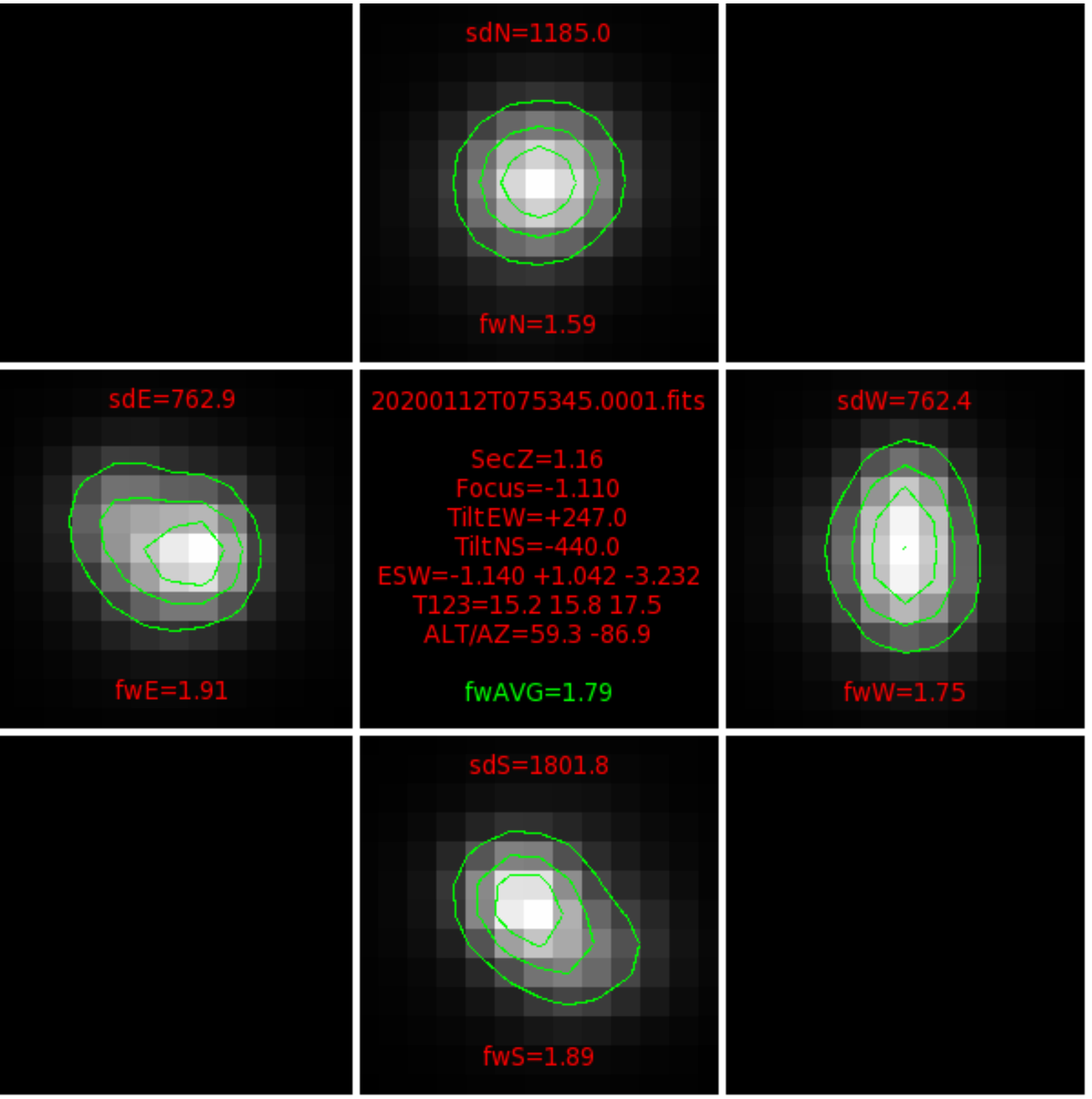
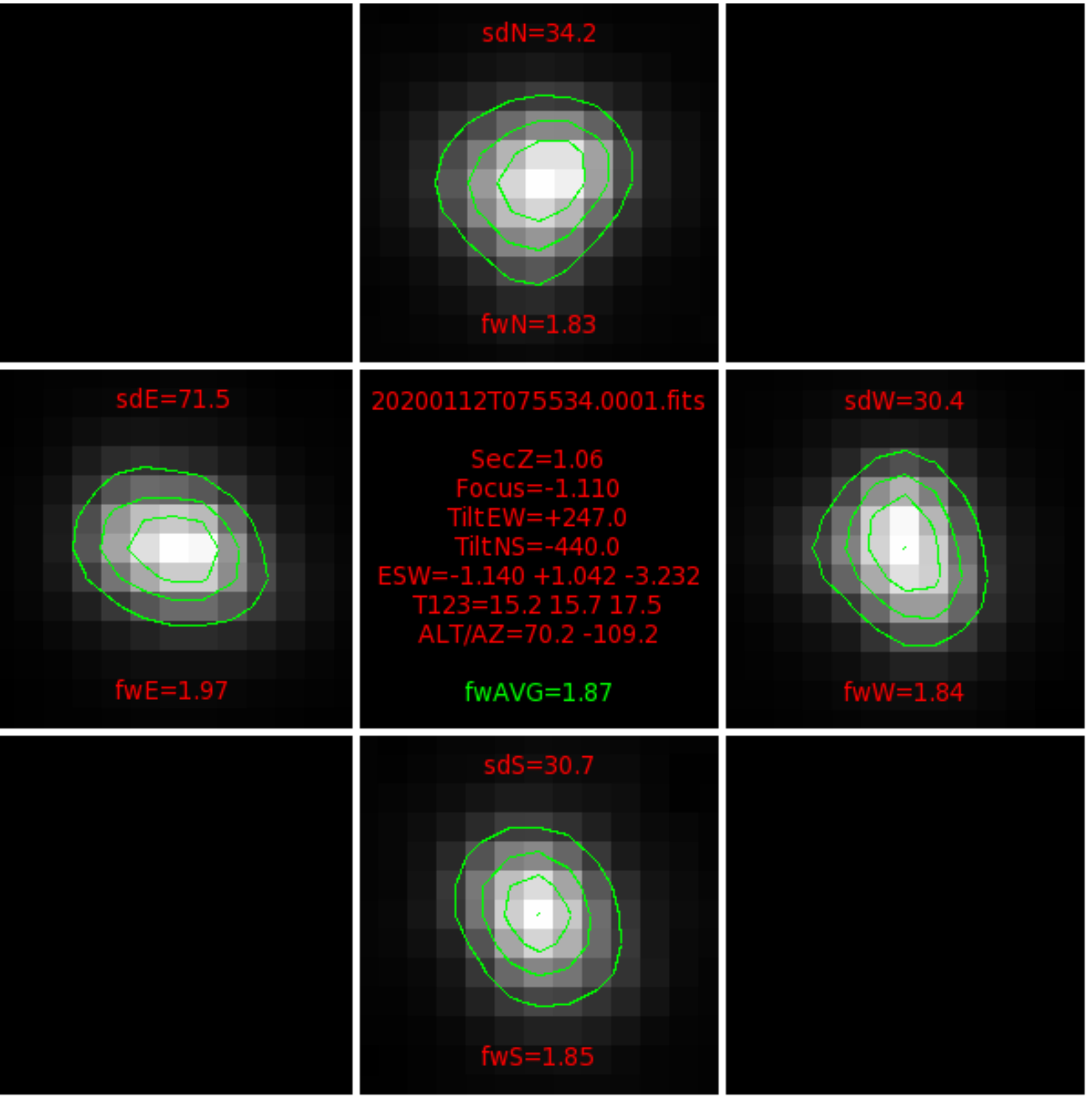

sdN=582.8
fwN=1.38
sdE=341.4
fwE=1.90
20200112T075304.0001.fits
SecZ=1.16
Focus=-1.130
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.160 +1.022 -3.252
T123=15.3 15.7 17.5
ALT/AZ=59.4 -86.9
fwAVG=1.72
sdW=236.3
fwW=1.69
sdS=971.9
fwS=1.90
0 0 0 0 0 0 0 0 0


sdN=1185.0
fwN=1.59
sdE=762.9
fwE=1.91
20200112T075345.0001.fits
SecZ=1.16
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.2 15.8 17.5
ALT/AZ=59.3 -86.9
fwAVG=1.79
sdW=762.4
fwW=1.75
sdS=1801.8
fwS=1.89
0 0 0 0 0 0 0 0 0


sdN=34.2
fwN=1.83
sdE=71.5
fwE=1.97
20200112T075534.0001.fits
SecZ=1.06
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.2 15.7 17.5
ALT/AZ=70.2 -109.2
fwAVG=1.87
sdW=30.4
fwW=1.84
sdS=30.7
fwS=1.85
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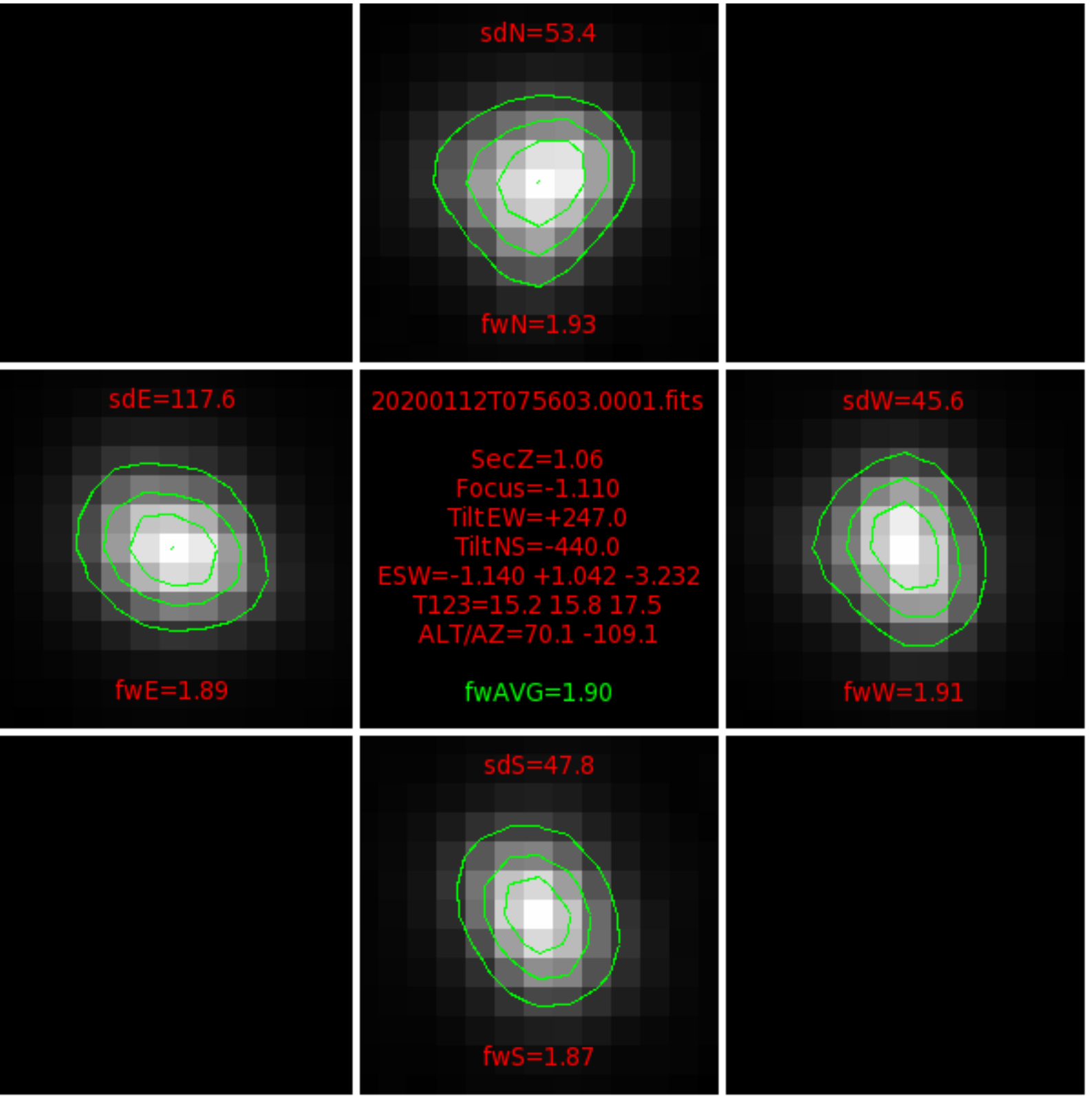
sdN=53.4
fwN=1.93
sdE=117.6
fwE=1.89
20200112T075603.0001.fits
SecZ=1.06
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.2 15.8 17.5
ALT/AZ=70.1 -109.1
fwAVG=1.90
sdW=45.6
fwW=1.91
sdS=47.8
fwS=1.87
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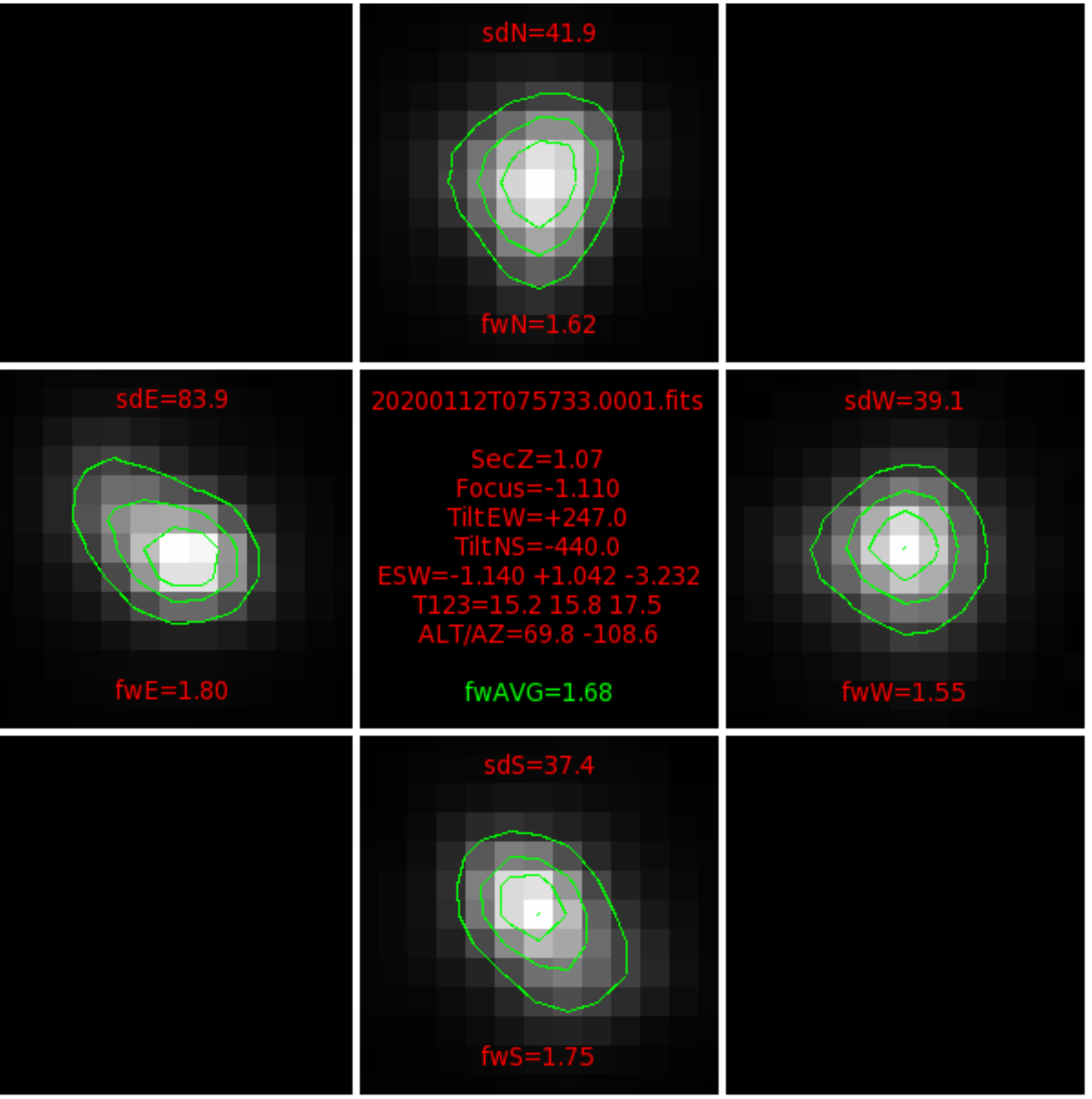
sdN=41.9
fwN=1.62
sdE=83.9
fwE=1.80
20200112T075733.0001.fits
SecZ=1.07
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.2 15.8 17.5
ALT/AZ=69.8 -108.6
fwAVG=1.68
sdW=39.1
fwW=1.55
sdS=37.4
fwS=1.75
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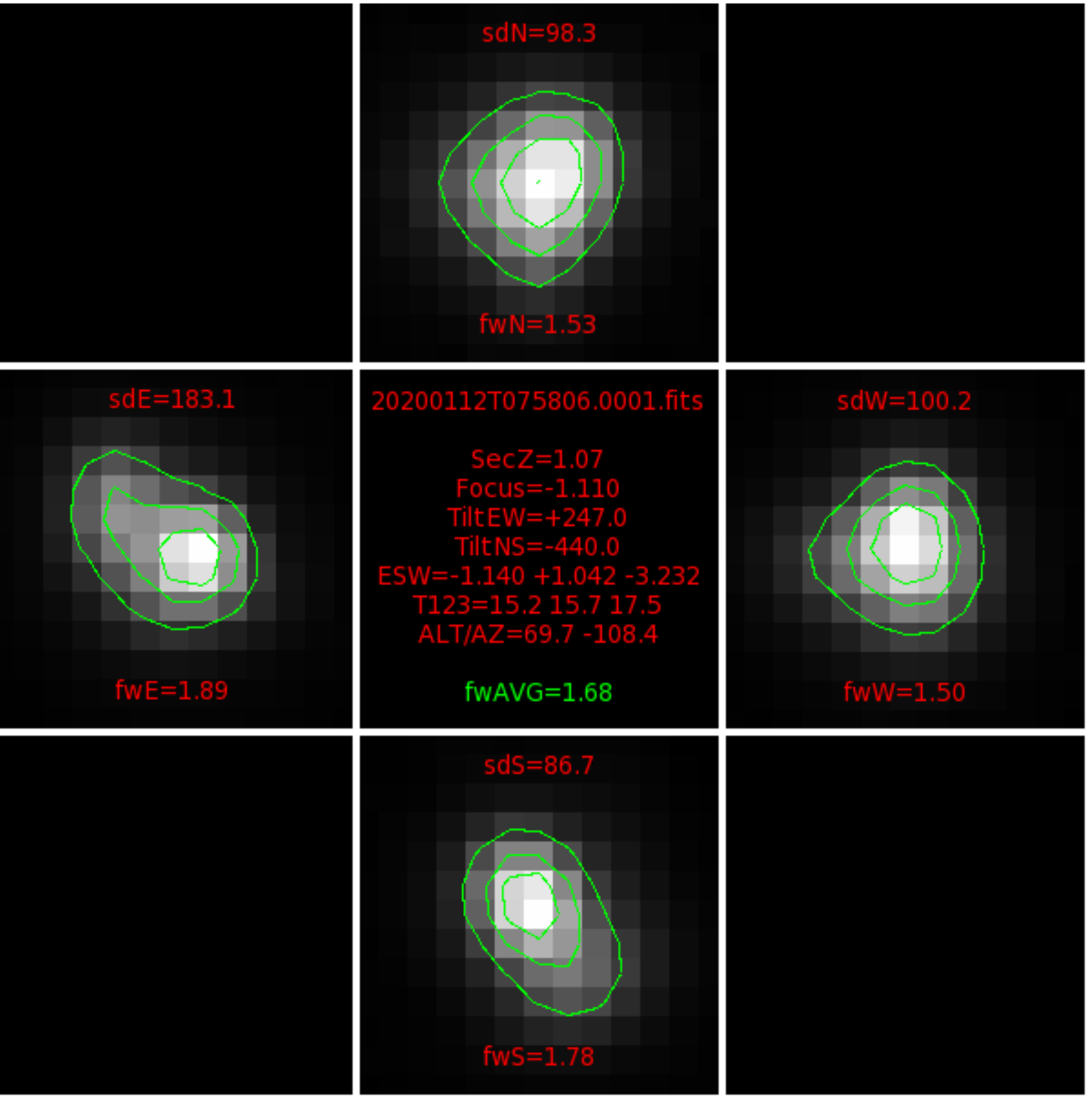
sdN=98.3
fwN=1.53
sdE=183.1
fwE=1.89
20200112T075806.0001.fits
SecZ=1.07
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.2 15.7 17.5
ALT/AZ=69.7 -108.4
fwAVG=1.68
sdW=100.2
fwW=1.50
sdS=86.7
fwS=1.78
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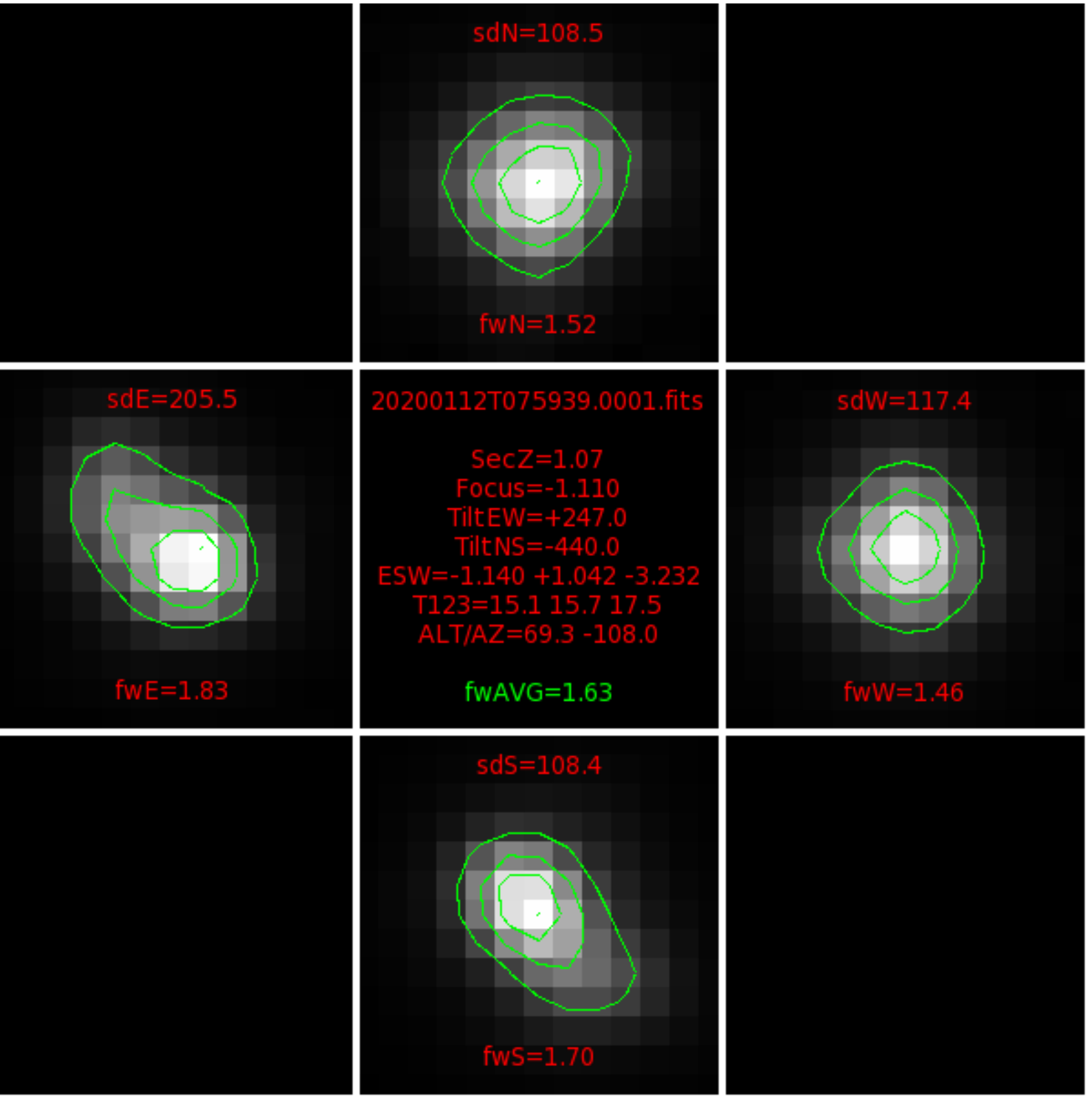
sdN=108.5
fwN=1.52
sdE=205.5
fwE=1.83
20200112T075939.0001.fits
SecZ=1.07
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.1 15.7 17.5
ALT/AZ=69.3 -108.0
fwAVG=1.63
sdW=117.4
fwW=1.46
sdS=108.4
fwS=1.70
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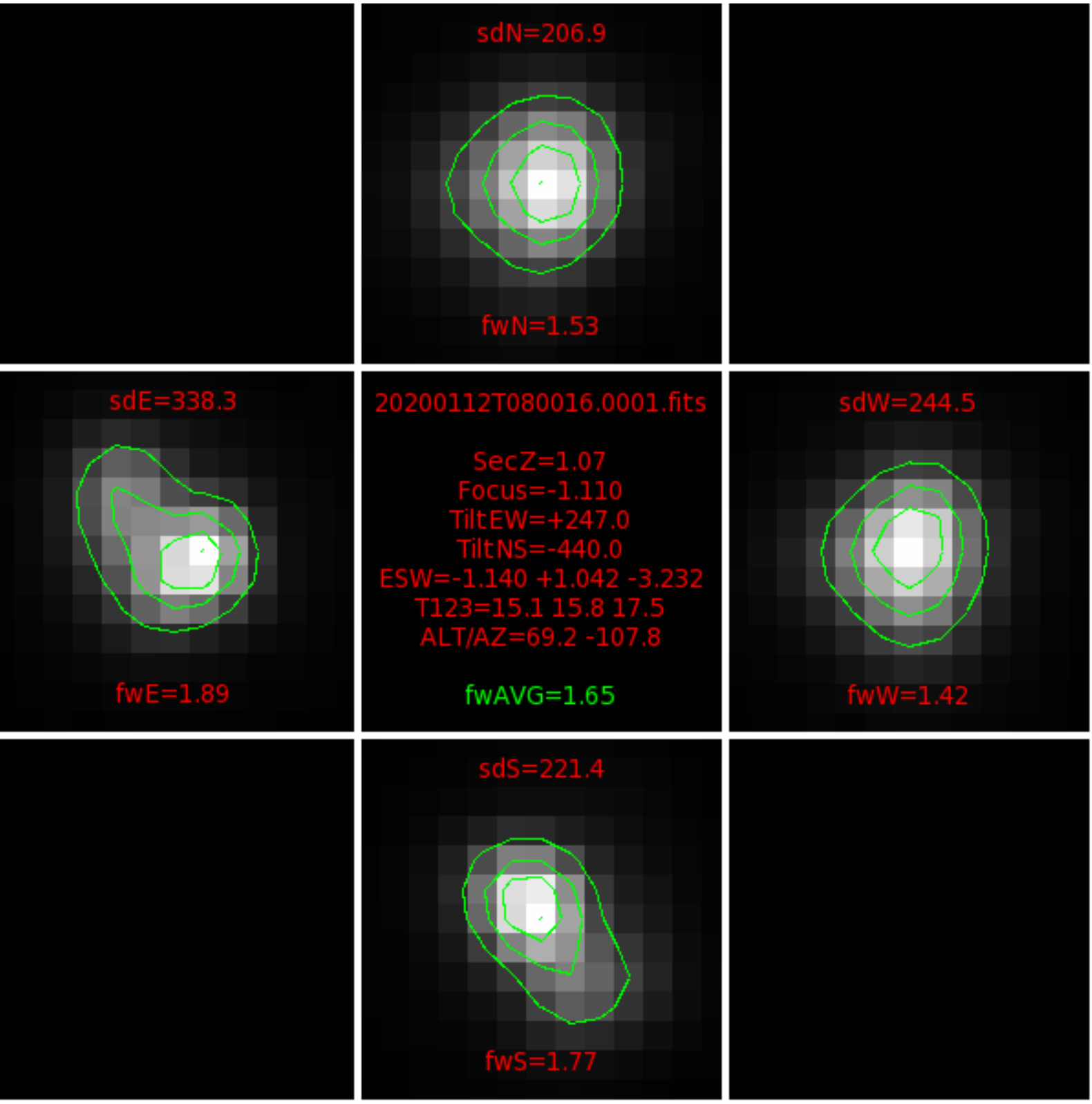
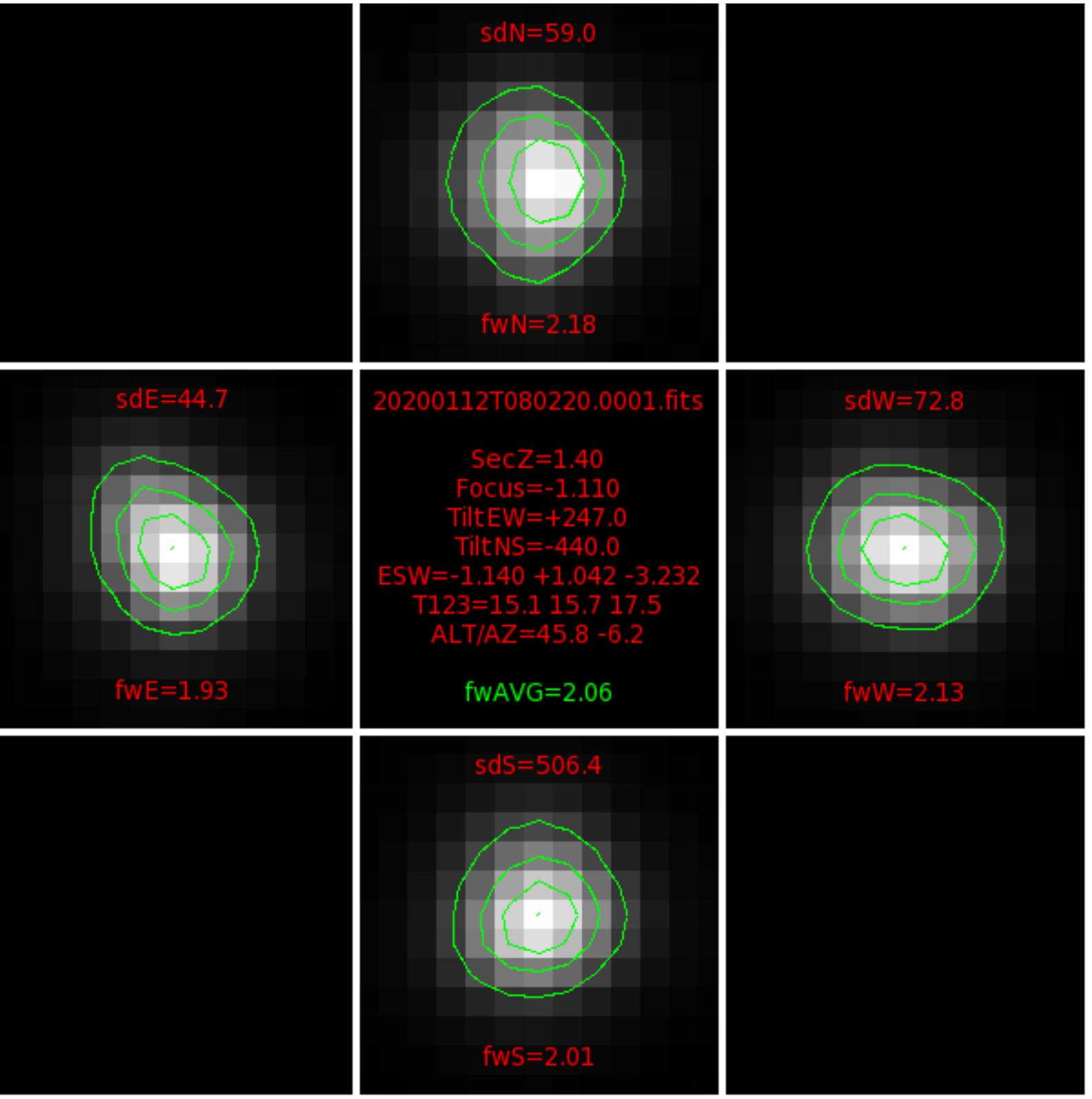

sdN=206.9
fwN=1.53
sdE=338.3
fwE=1.89
20200112T080016.0001.fits
SecZ=1.07
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.1 15.8 17.5
ALT/AZ=69.2 -107.8
fwAVG=1.65
sdW=244.5
fwW=1.42
sdS=221.4
fwS=1.77
0 0 0 0 0 0 0 0 0


sdN=59.0
fwN=2.18
sdE=44.7
fwE=1.93
20200112T080220.0001.fits
SecZ=1.40
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.1 15.7 17.5
ALT/AZ=45.8 -6.2
fwAVG=2.06
sdW=72.8
fwW=2.13
sdS=506.4
fwS=2.01
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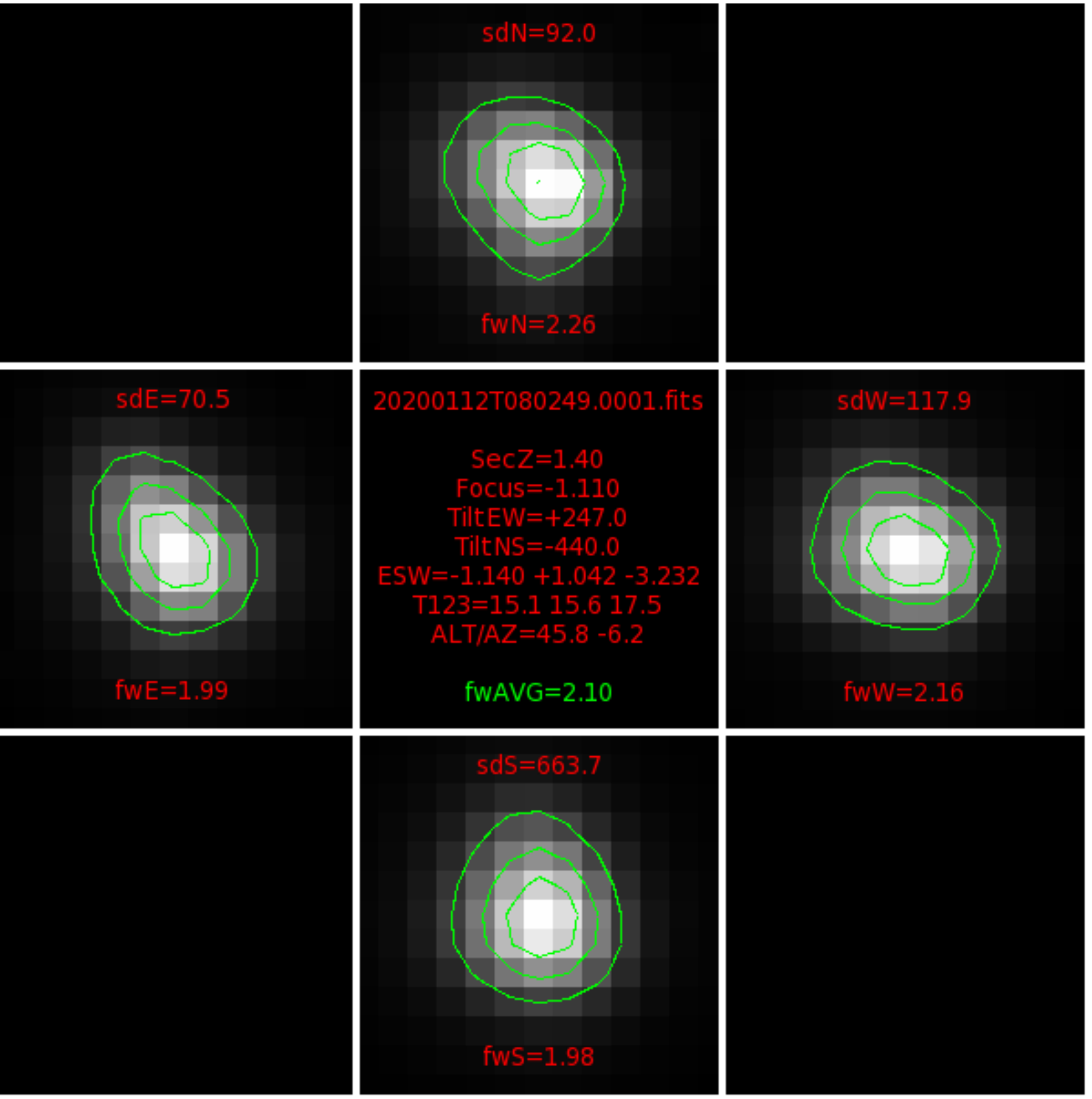
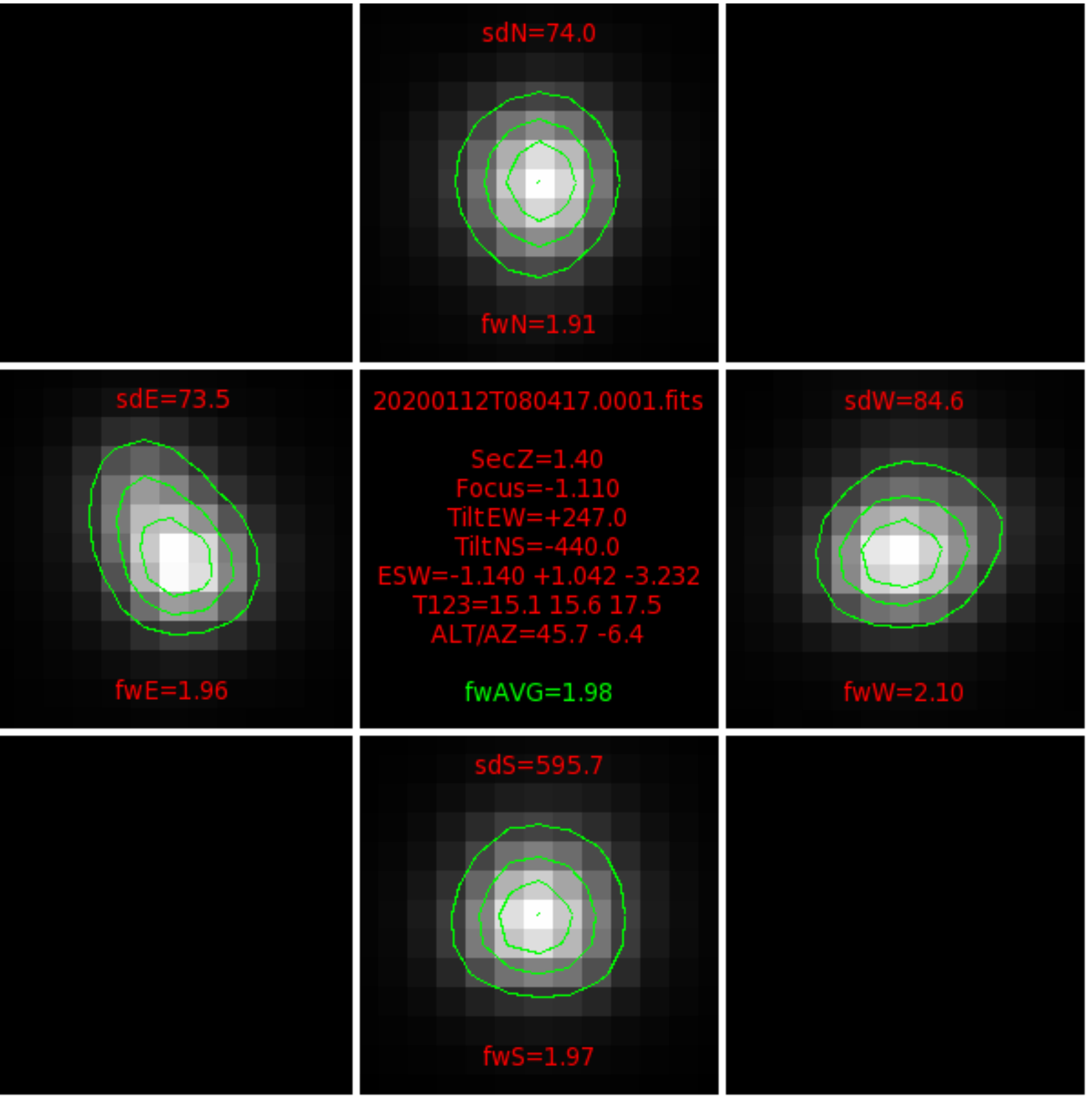

sdN=92.0
fwN=2.26
sdE=70.5
fwE=1.99
20200112T080249.0001.fits
SecZ=1.40
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.1 15.6 17.5
ALT/AZ=45.8 -6.2
fwAVG=2.10
sdW=117.9
fwW=2.16
sdS=663.7
fwS=1.98
0 0 0 0 0 0 0 0 0


sdN=74.0
fwN=1.91
sdE=73.5
fwE=1.96
20200112T080417.0001.fits
SecZ=1.40
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.1 15.6 17.5
ALT/AZ=45.7 -6.4
fwAVG=1.98
sdW=84.6
fwW=2.10
sdS=595.7
fwS=1.97
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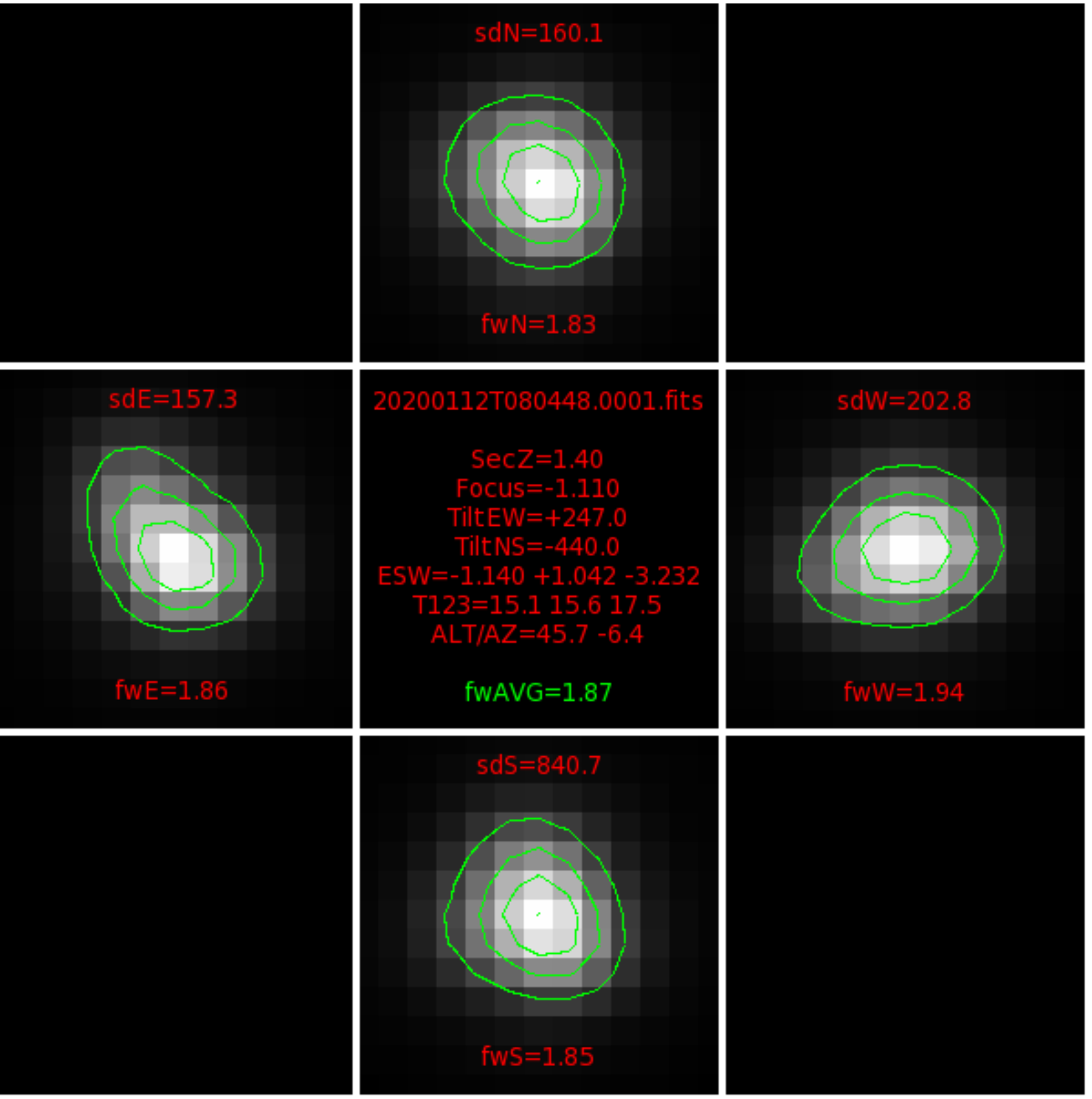
sdN=160.1
fwN=1.83
sdE=157.3
fwE=1.86
20200112T080448.0001.fits
SecZ=1.40
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.1 15.6 17.5
ALT/AZ=45.7 -6.4
fwAVG=1.87
sdW=202.8
fwW=1.94
sdS=840.7
fwS=1.85
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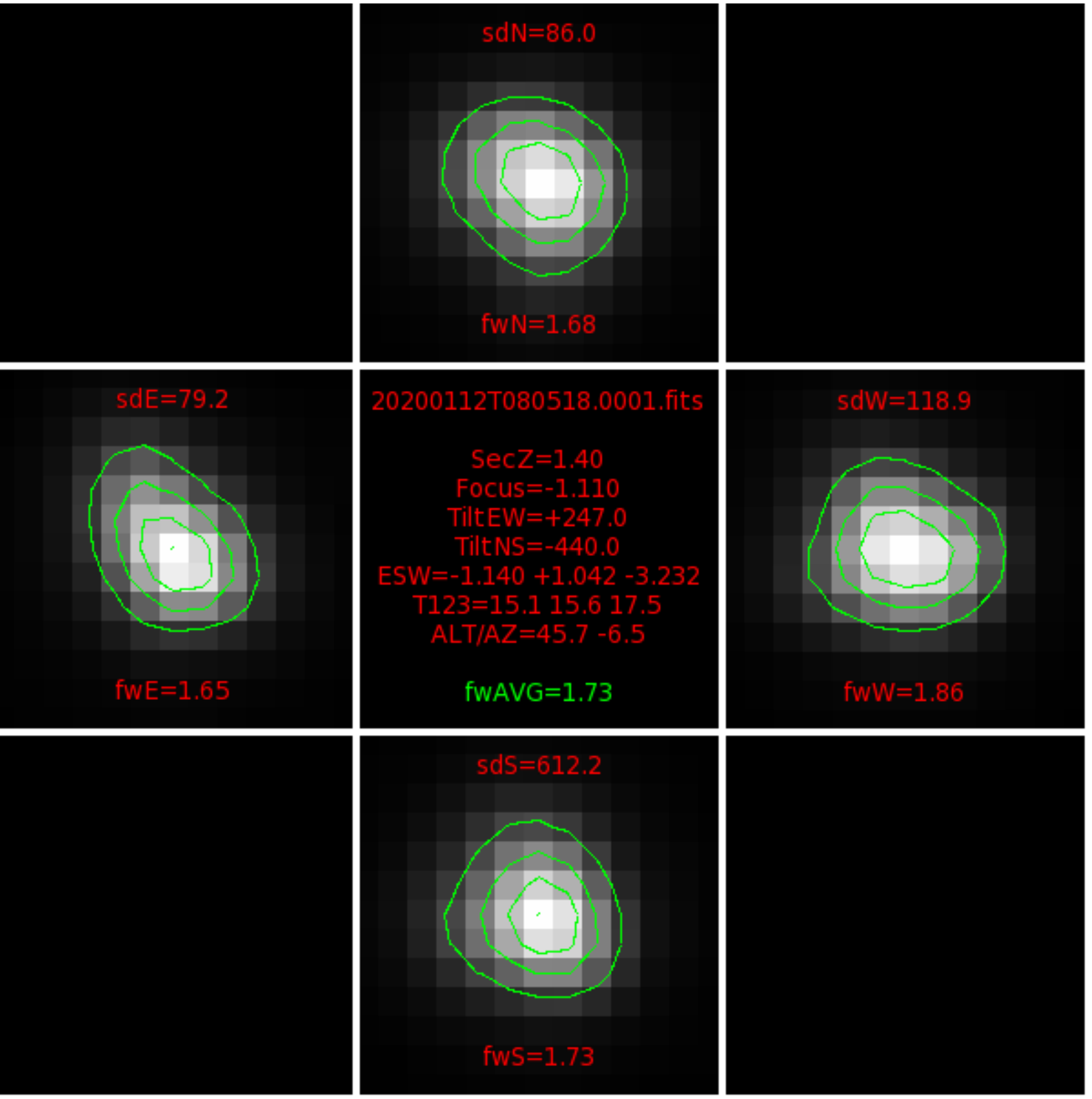
sdN=86.0
fwN=1.68
sdE=79.2
fwE=1.65
20200112T080518.0001.fits
SecZ=1.40
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.1 15.6 17.5
ALT/AZ=45.7 -6.5
fwAVG=1.73
sdW=118.9
fwW=1.86
sdS=612.2
fwS=1.73
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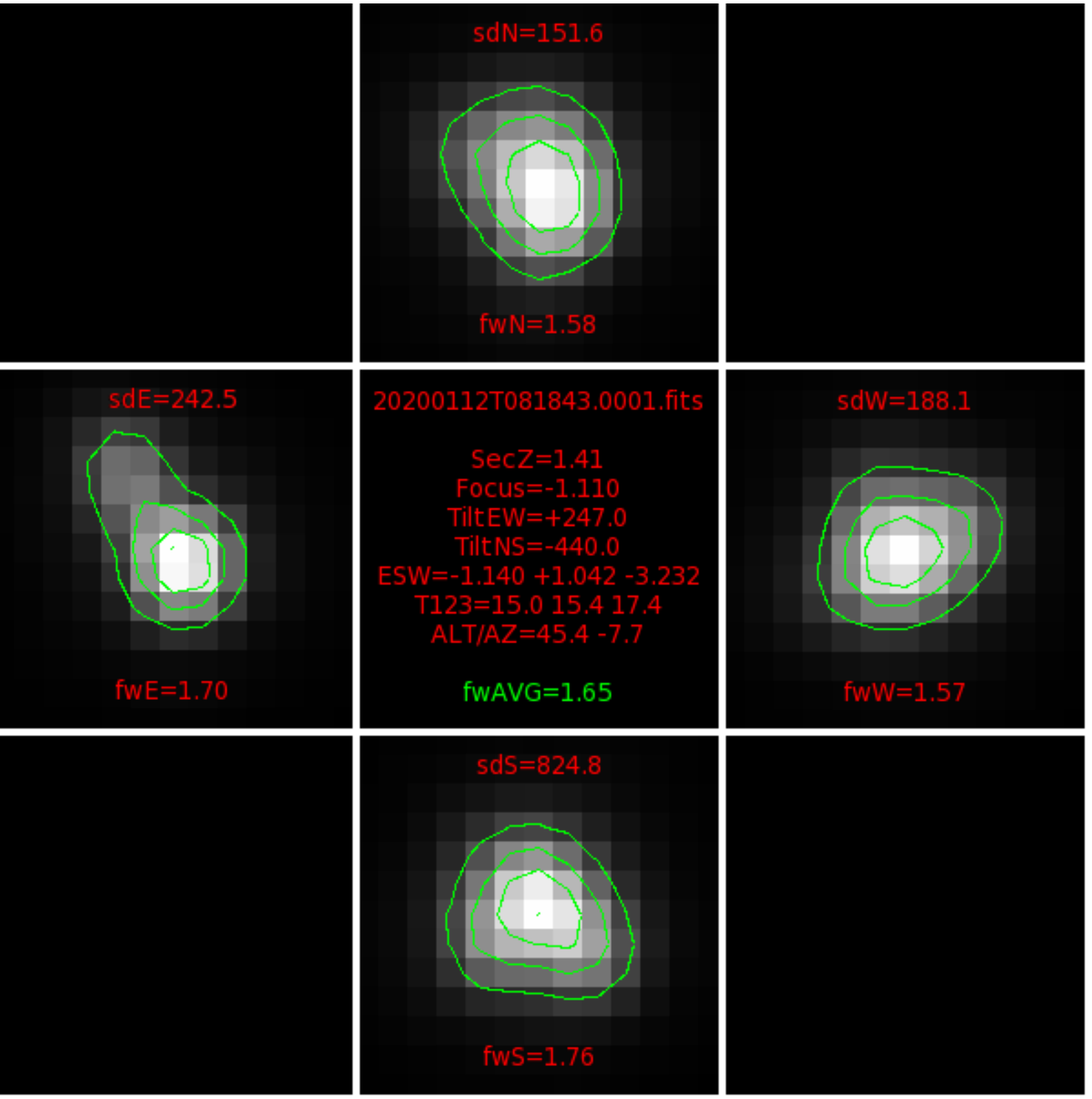
sdN=151.6
fwN=1.58
sdE=242.5
fwE=1.70
20200112T081843.0001.fits
SecZ=1.41
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.0 15.4 17.4
ALT/AZ=45.4 -7.7
fwAVG=1.65
sdW=188.1
fwW=1.57
sdS=824.8
fwS=1.76
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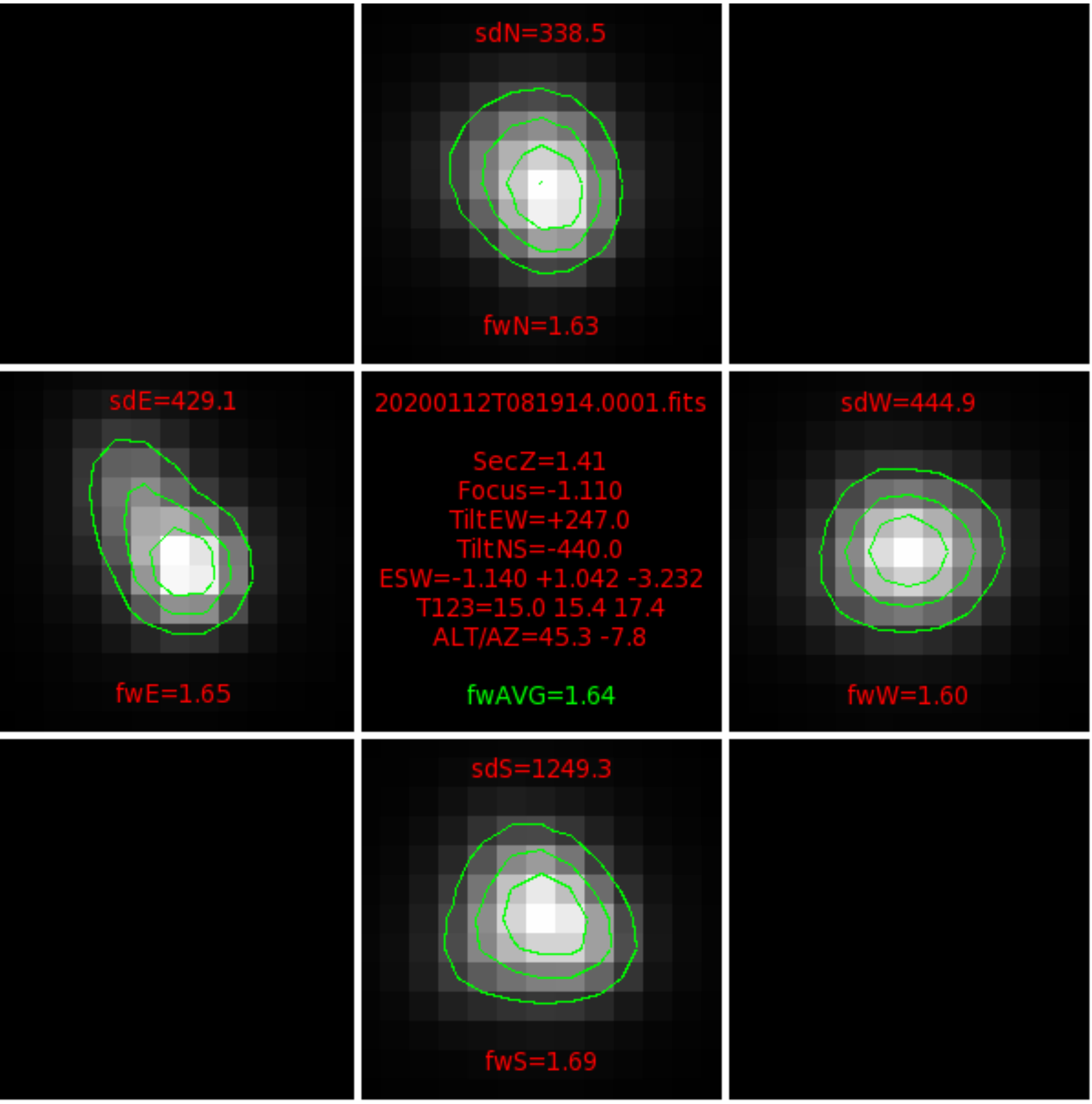
sdN=338.5
fwN=1.63
sdE=429.1
fwE=1.65
20200112T081914.0001.fits
SecZ=1.41
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.0 15.4 17.4
ALT/AZ=45.3 -7.8
fwAVG=1.64
sdW=444.9
fwW=1.60
sdS=1249.3
fwS=1.69
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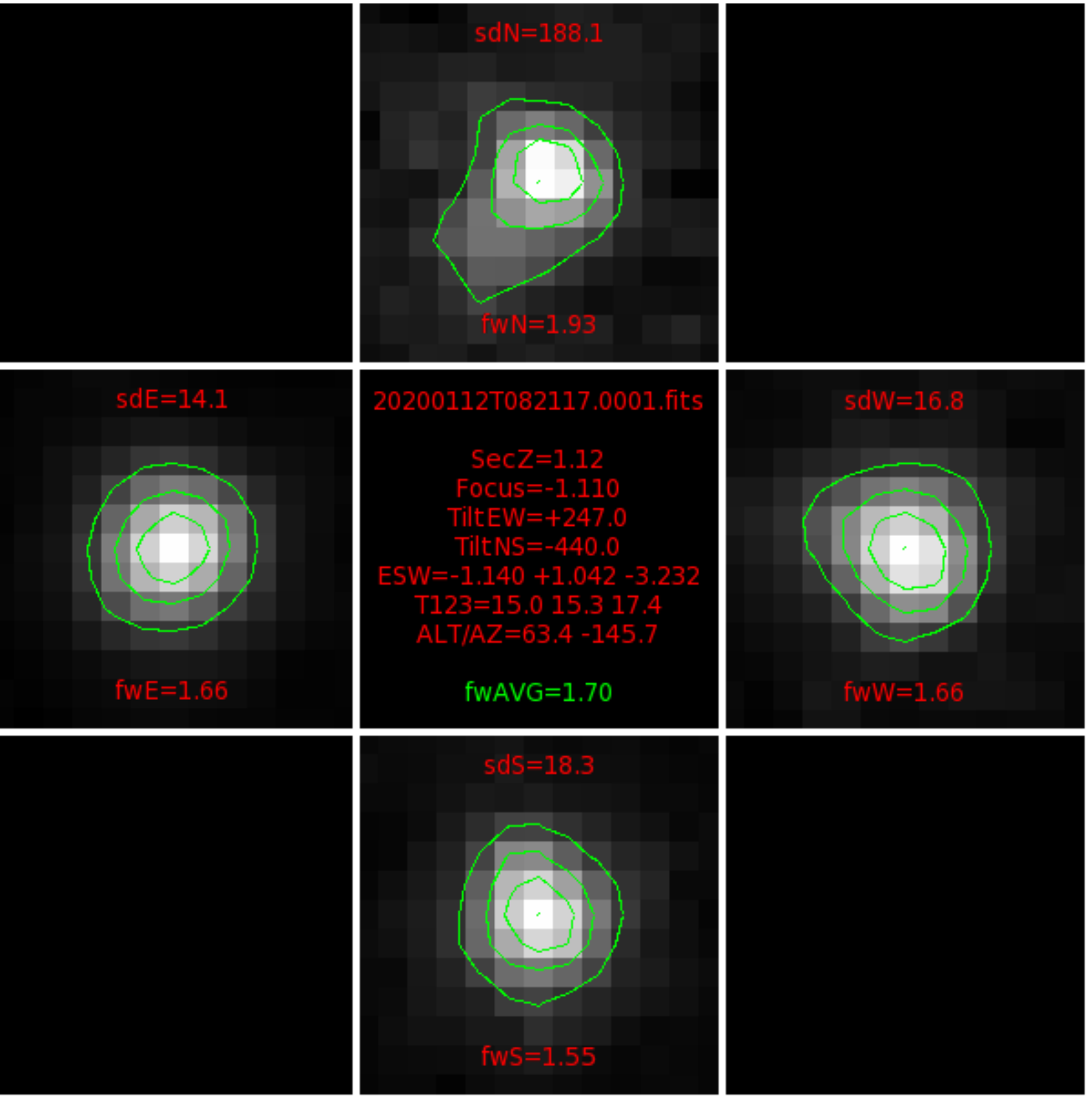
sdN=188.1
fwN=1.93
sdE=14.1
fwE=1.66
20200112T082117.0001.fits
SecZ=1.12
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.0 15.3 17.4
ALT/AZ=63.4 -145.7
fwAVG=1.70
sdW=16.8
fwW=1.66
sdS=18.3
fwS=1.55
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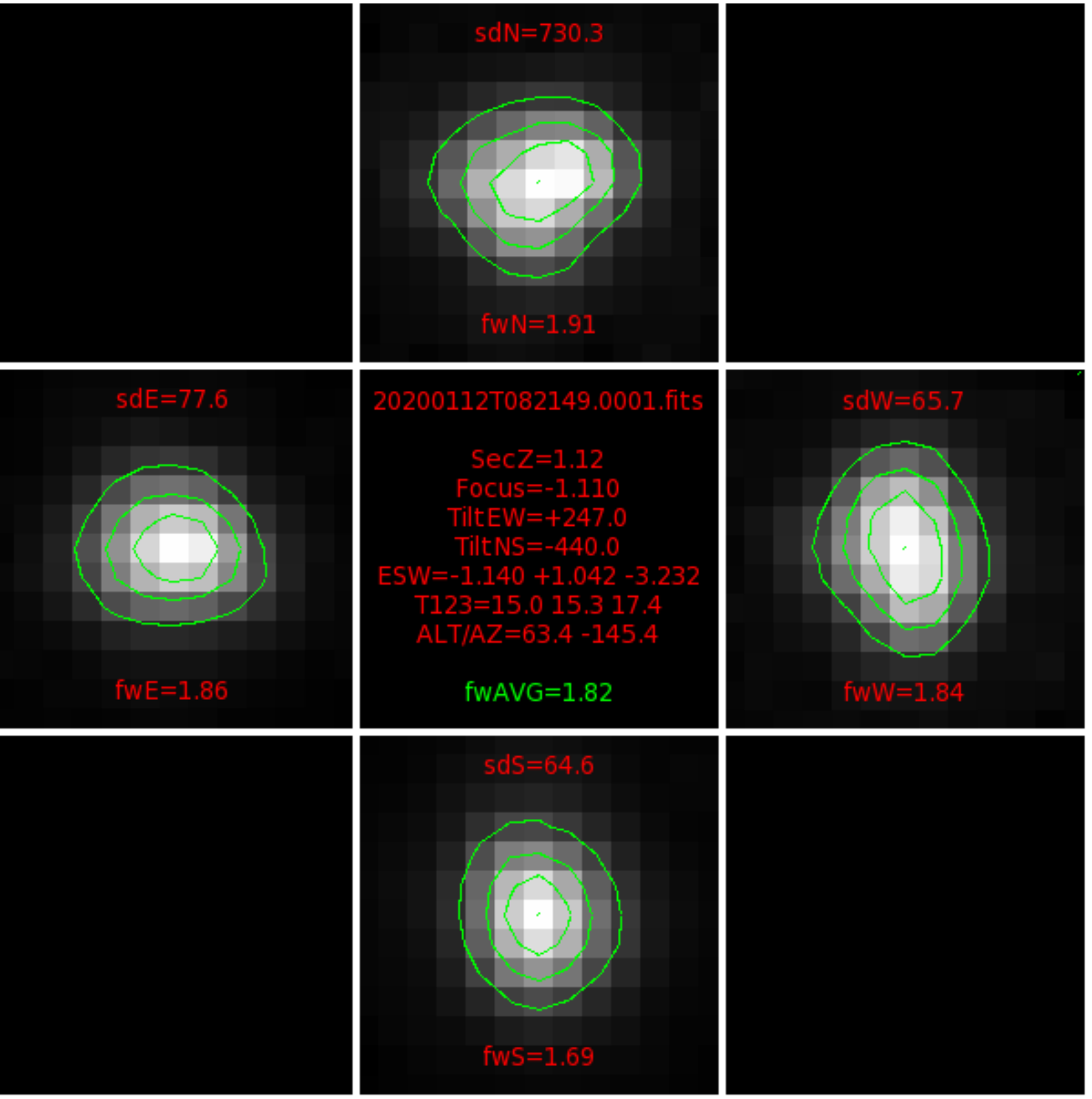
sdN=730.3
fwN=1.91
sdE=77.6
fwE=1.86
20200112T082149.0001.fits
SecZ=1.12
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.0 15.3 17.4
ALT/AZ=63.4 -145.4
fwAVG=1.82
sdW=65.7
fwW=1.84
sdS=64.6
fwS=1.69
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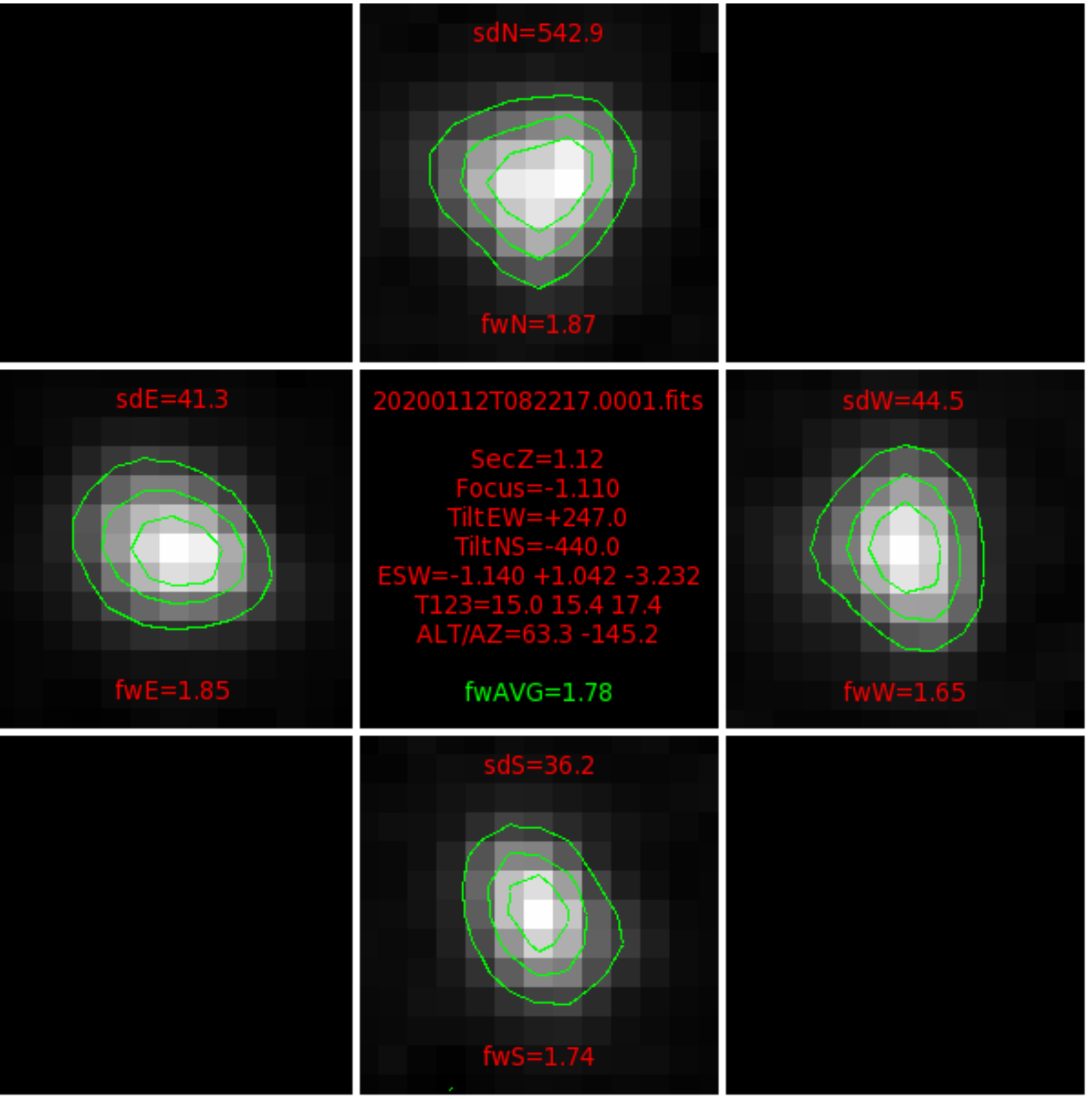
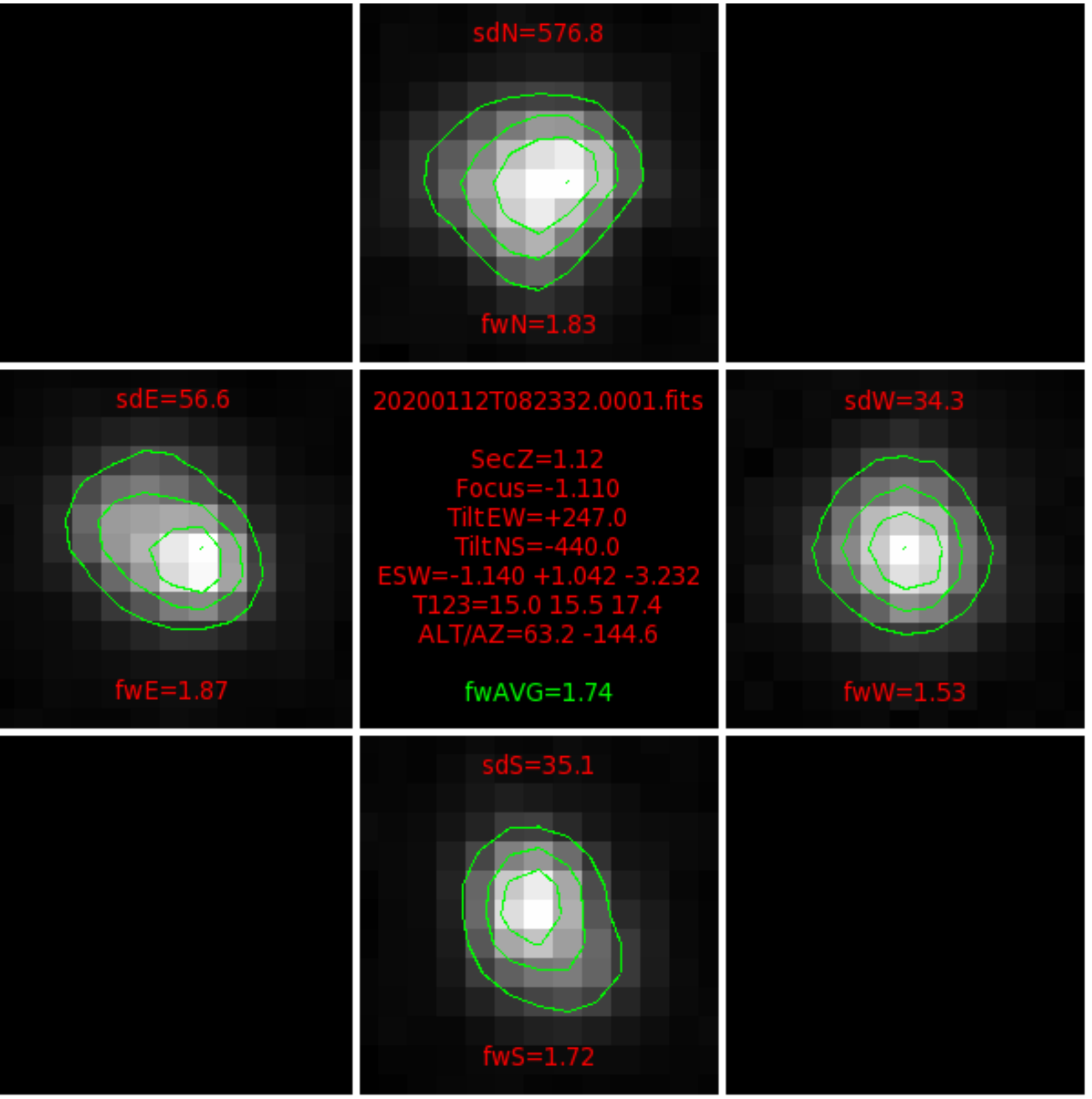
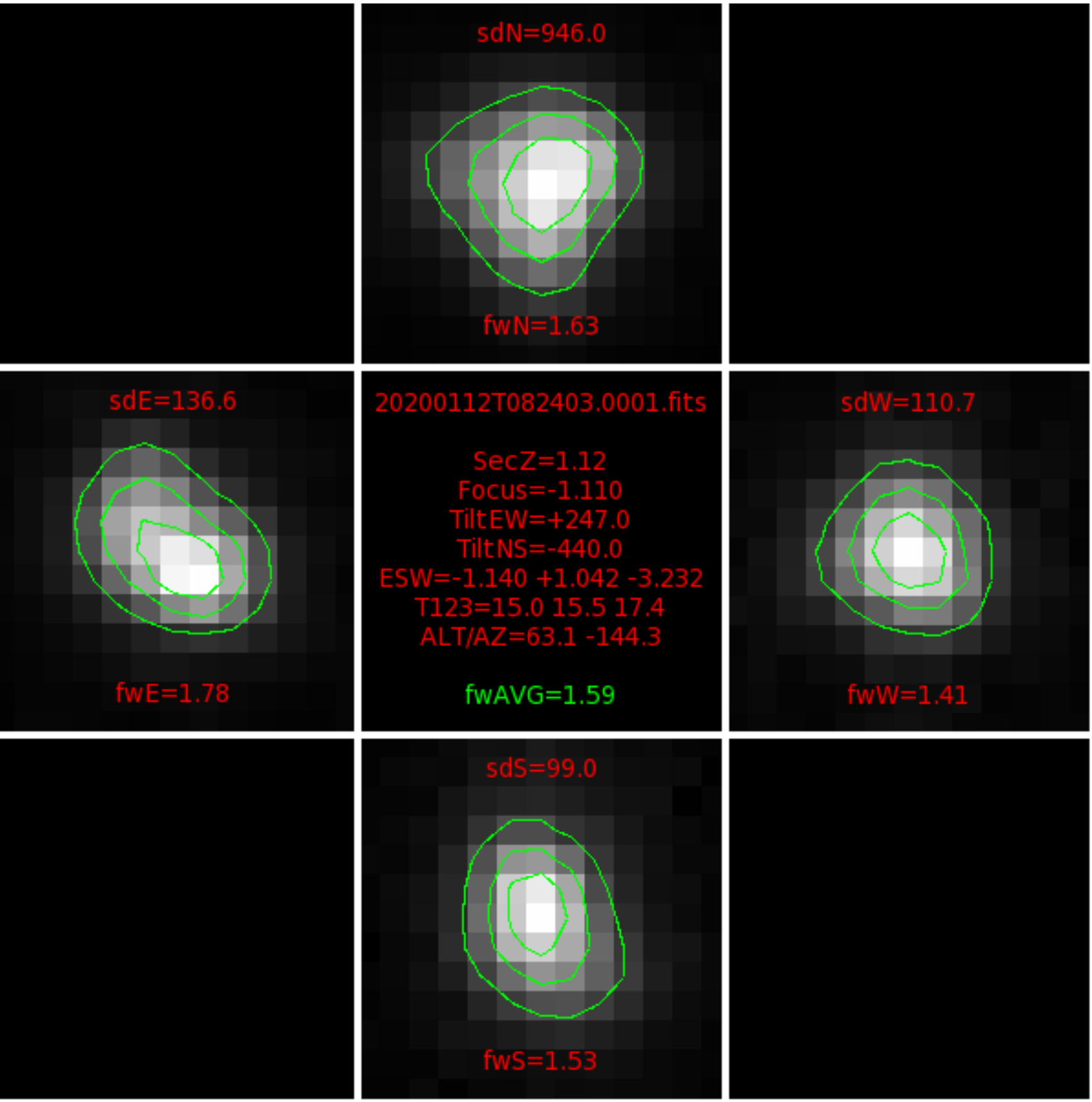

sdN=542.9
fwN=1.87
sdE=41.3
fwE=1.85
20200112T082217.0001.fits
SecZ=1.12
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.0 15.4 17.4
ALT/AZ=63.3 -145.2
fwAVG=1.78
sdW=44.5
fwW=1.65
sdS=36.2
fwS=1.74
0 0 0 0 0 0 0 0 0


sdN=576.8
fwN=1.83
sdE=56.6
fwE=1.87
20200112T082332.0001.fits
SecZ=1.12
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.0 15.5 17.4
ALT/AZ=63.2 -144.6
fwAVG=1.74
sdW=34.3
fwW=1.53
sdS=35.1
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=946.0
fwN=1.63
sdE=136.6
fwE=1.78
20200112T082403.0001.fits
SecZ=1.12
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.0 15.5 17.4
ALT/AZ=63.1 -144.3
fwAVG=1.59
sdW=110.7
fwW=1.41
sdS=99.0
fwS=1.53
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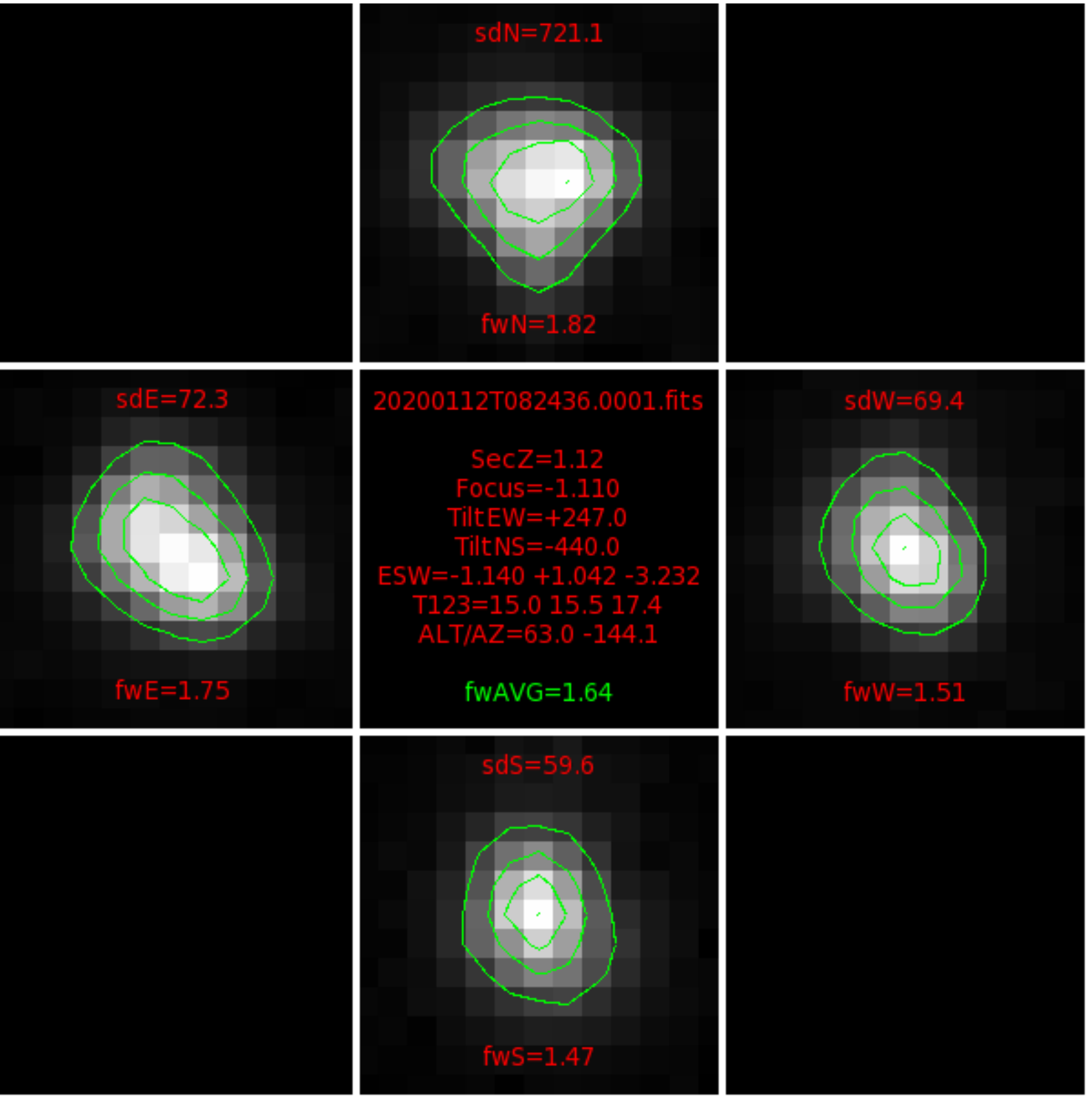
sdN=721.1
fwN=1.82
sdE=72.3
fwE=1.75
20200112T082436.0001.fits
SecZ=1.12
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.0 15.5 17.4
ALT/AZ=63.0 -144.1
fwAVG=1.64
sdW=69.4
fwW=1.51
sdS=59.6
fwS=1.47
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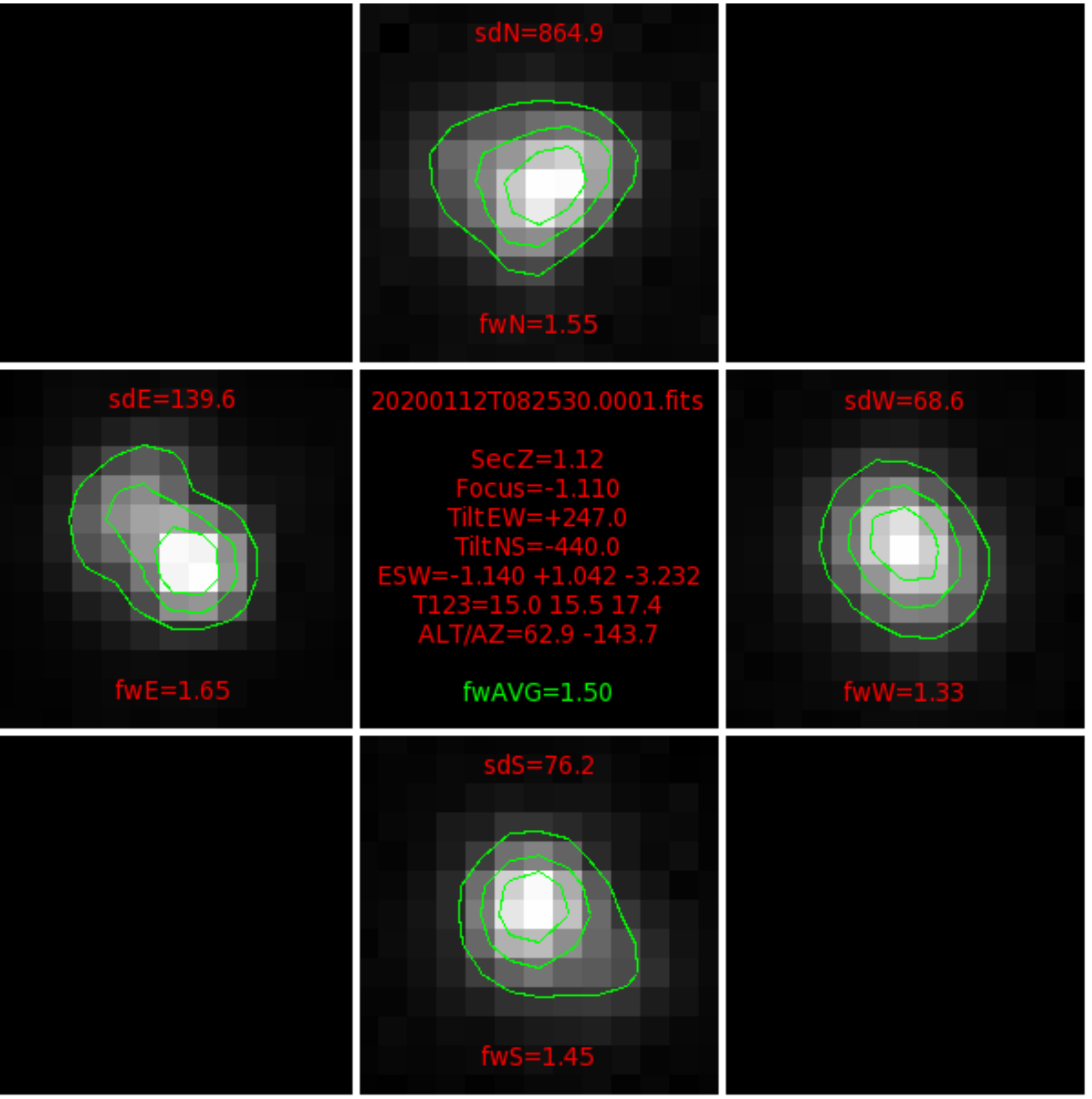
sdN=864.9
fwN=1.55
sdE=139.6
fwE=1.65
20200112T082530.0001.fits
SecZ=1.12
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.0 15.5 17.4
ALT/AZ=62.9 -143.7
fwAVG=1.50
sdW=68.6
fwW=1.33
sdS=76.2
fwS=1.45
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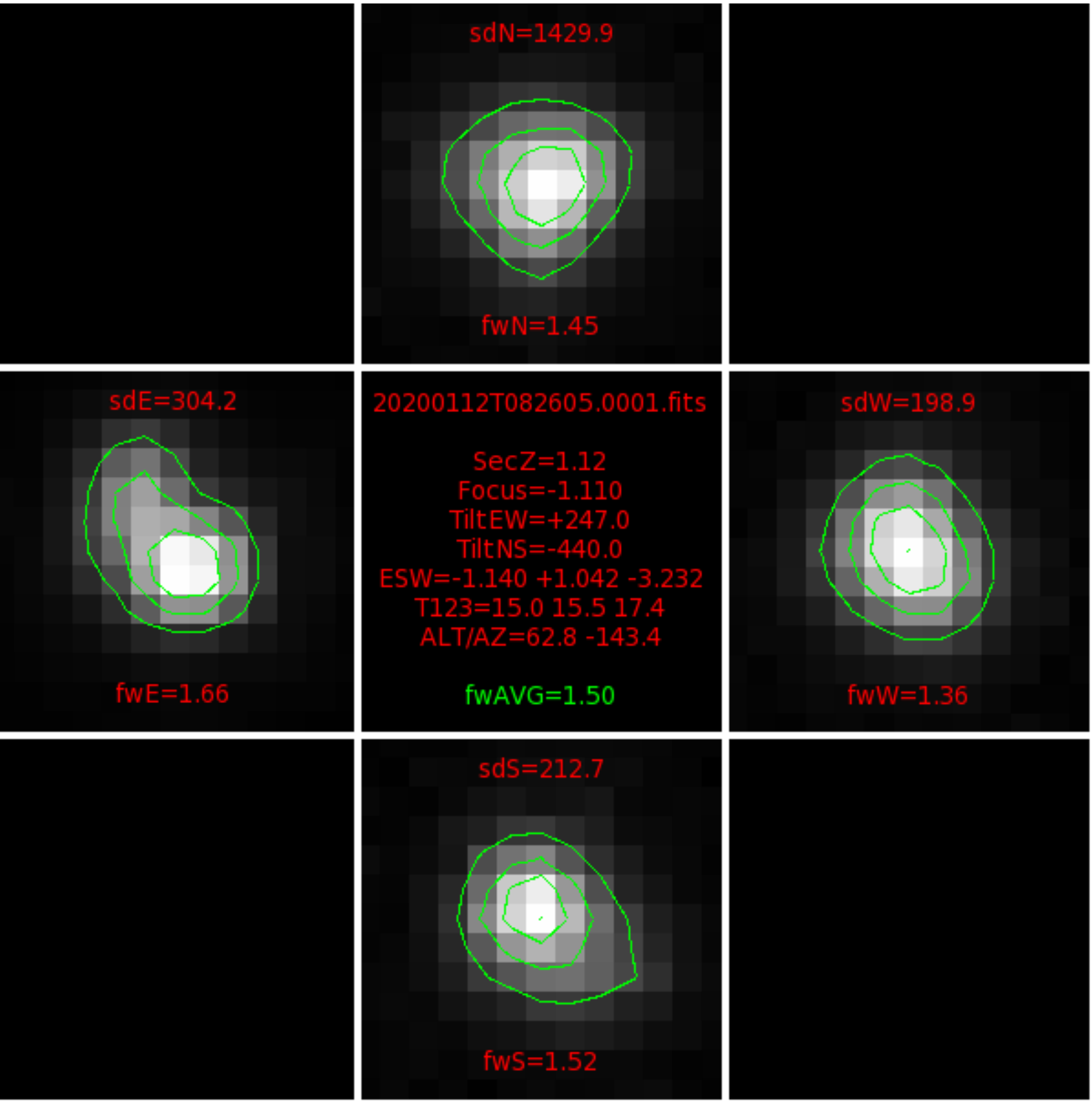
sdN=1429.9
fwN=1.45
sdE=304.2
fwE=1.66
20200112T082605.0001.fits
SecZ=1.12
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.0 15.5 17.4
ALT/AZ=62.8 -143.4
fwAVG=1.50
sdW=198.9
fwW=1.36
sdS=212.7
fwS=1.52
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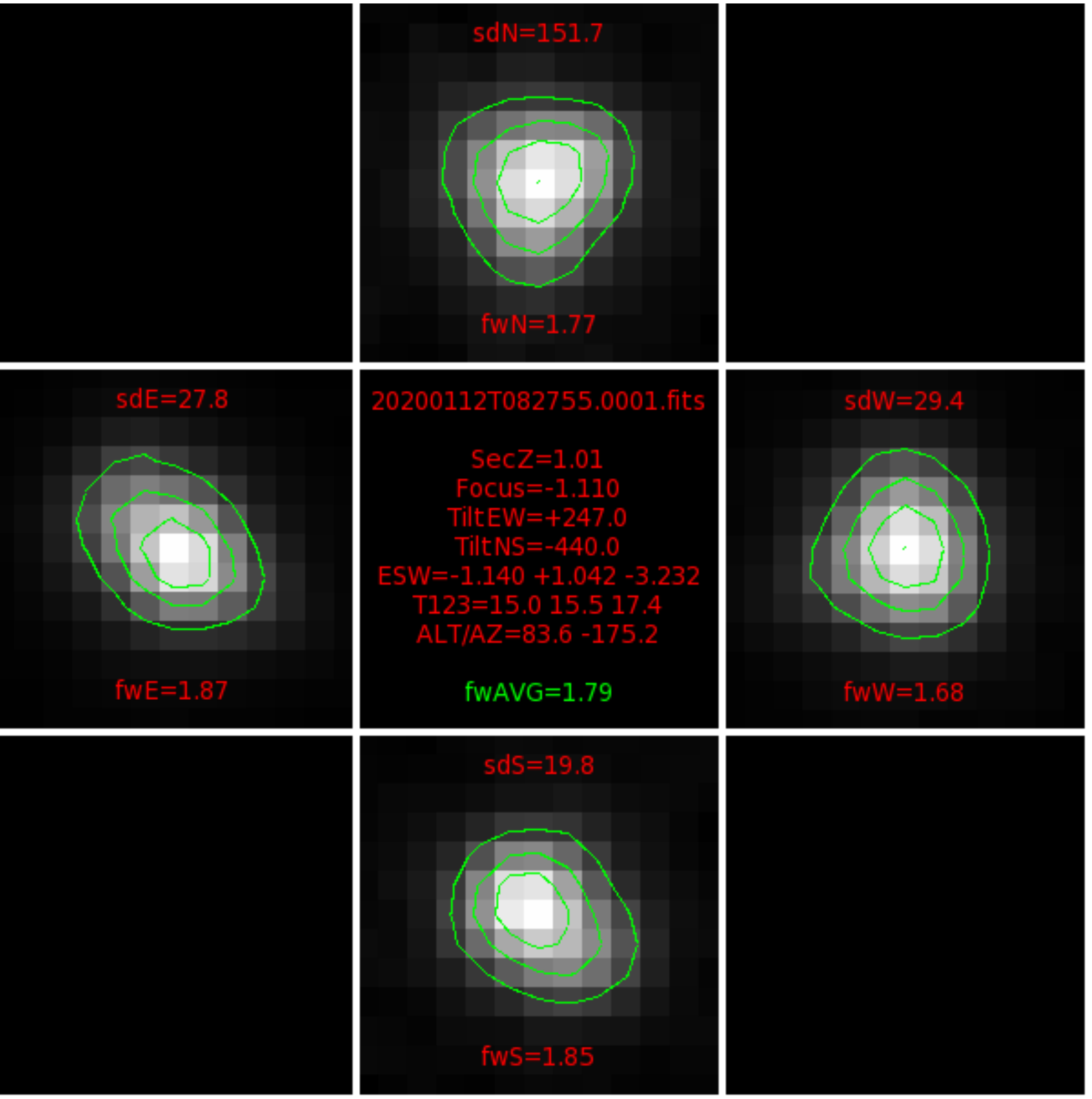
sdN=151.7
fwN=1.77
sdE=27.8
fwE=1.87
20200112T082755.0001.fits
SecZ=1.01
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.0 15.5 17.4
ALT/AZ=83.6 -175.2
fwAVG=1.79
sdW=29.4
fwW=1.68
sdS=19.8
fwS=1.85
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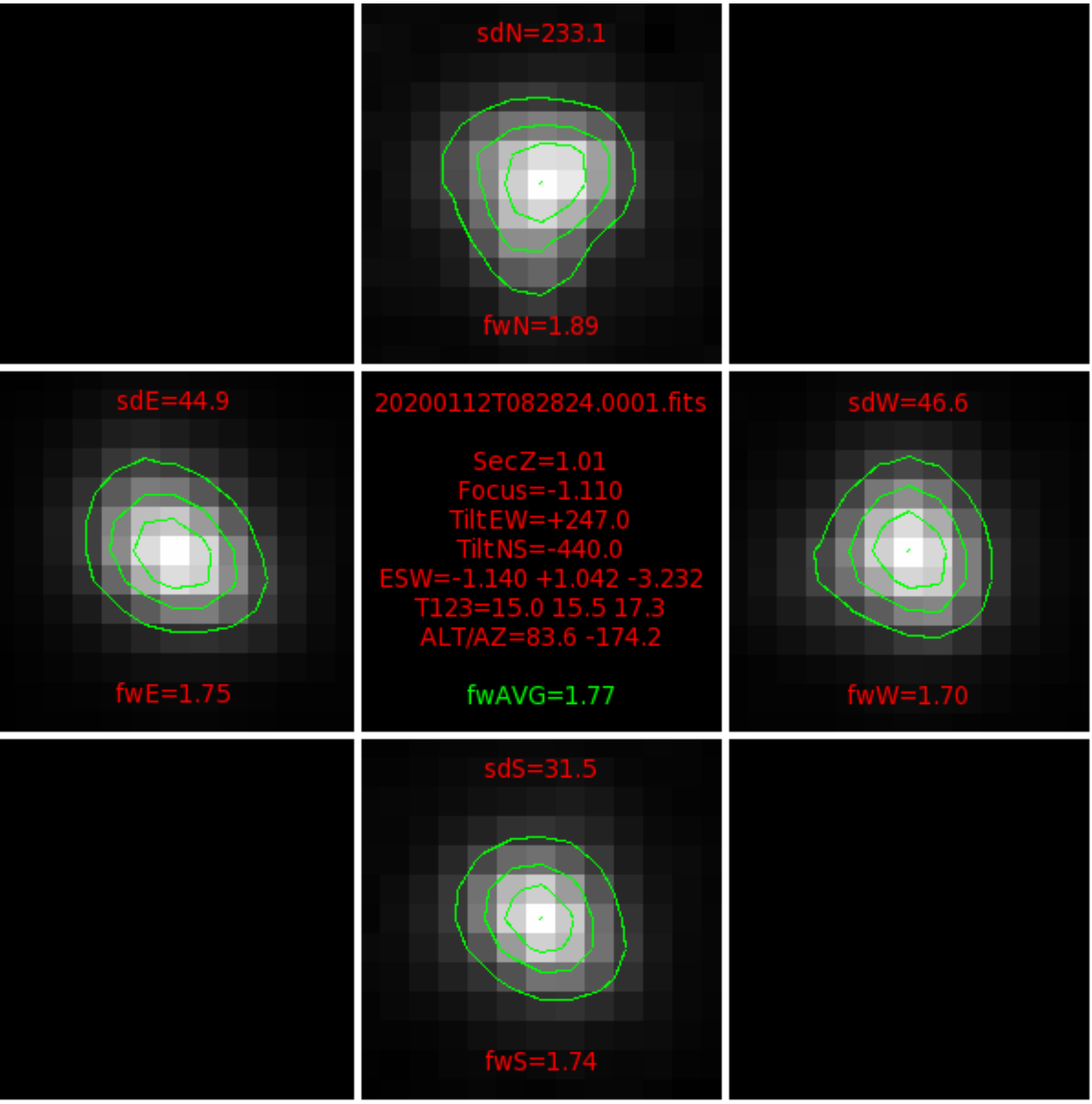
sdN=233.1
fwN=1.89
sdE=44.9
fwE=1.75
20200112T082824.0001.fits
SecZ=1.01
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.0 15.5 17.3
ALT/AZ=83.6 -174.2
fwAVG=1.77
sdW=46.6
fwW=1.70
sdS=31.5
fwS=1.74
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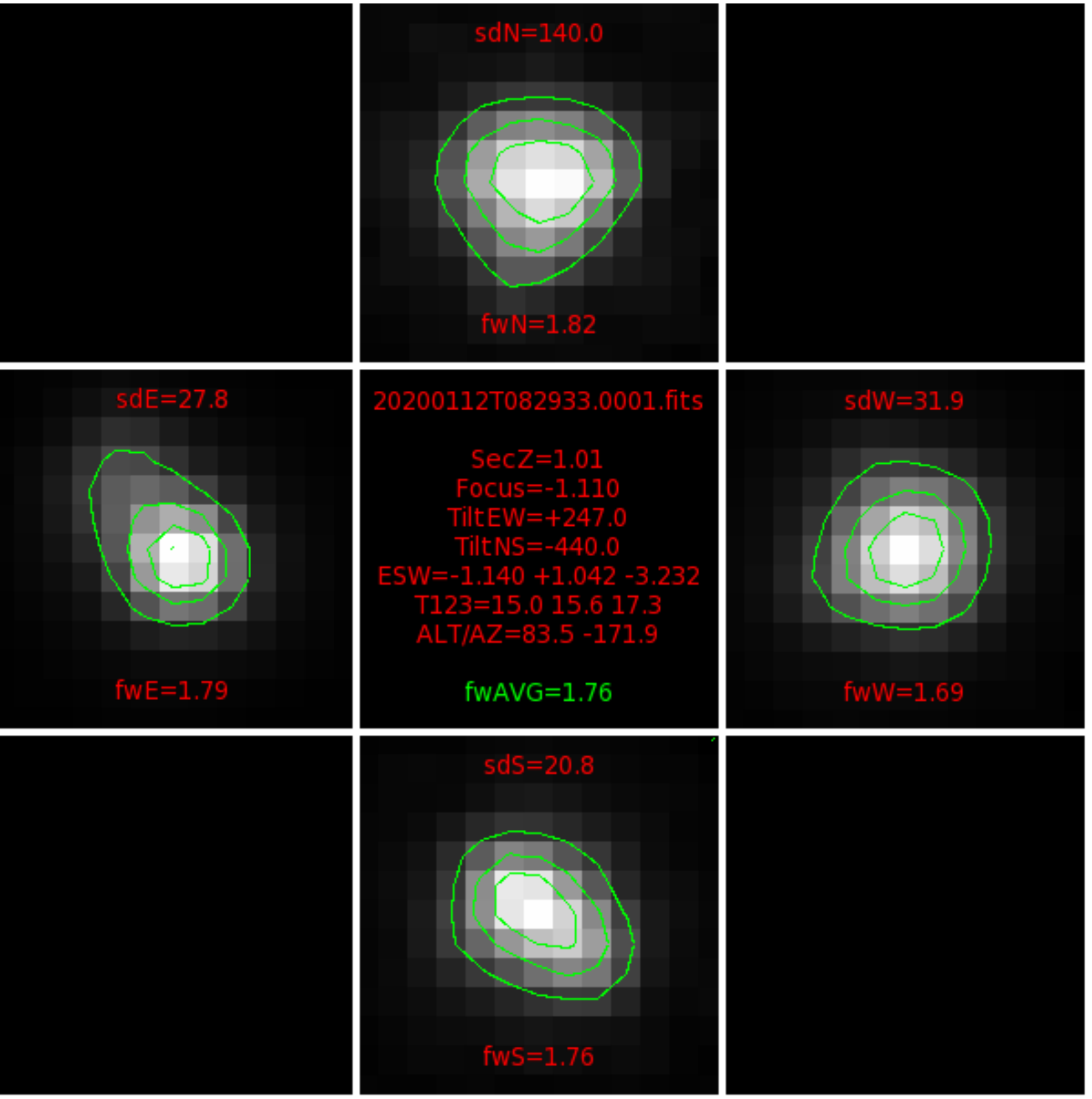
sdN=140.0
fwN=1.82
sdE=27.8
fwE=1.79
20200112T082933.0001.fits
SecZ=1.01
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.0 15.6 17.3
ALT/AZ=83.5 -171.9
fwAVG=1.76
sdW=31.9
fwW=1.69
sdS=20.8
fwS=1.76
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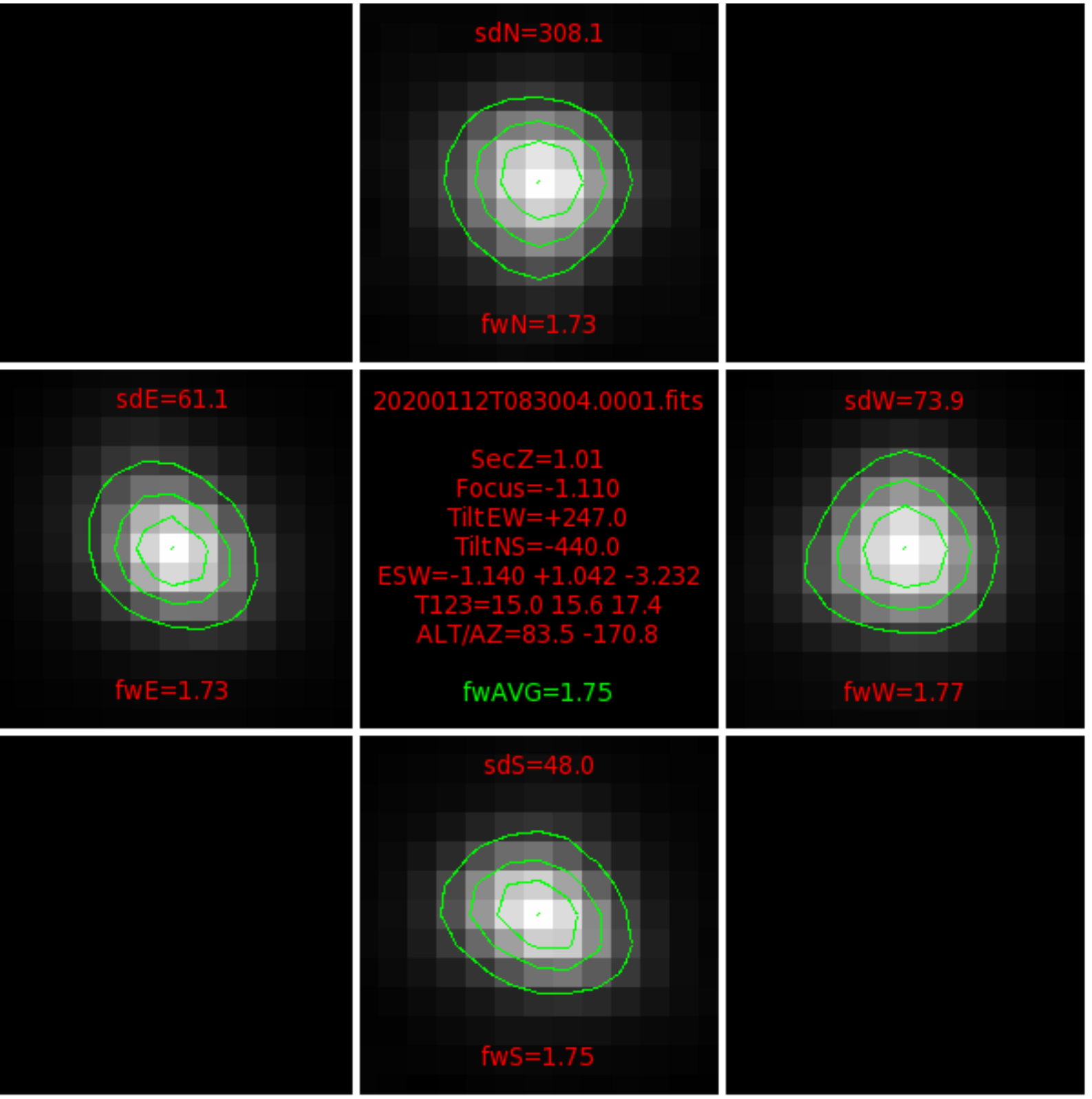
sdN=308.1
fwN=1.73
sdE=61.1
fwE=1.73
20200112T083004.0001.fits
SecZ=1.01
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.0 15.6 17.4
ALT/AZ=83.5 -170.8
fwAVG=1.75
sdW=73.9
fwW=1.77
sdS=48.0
fwS=1.75
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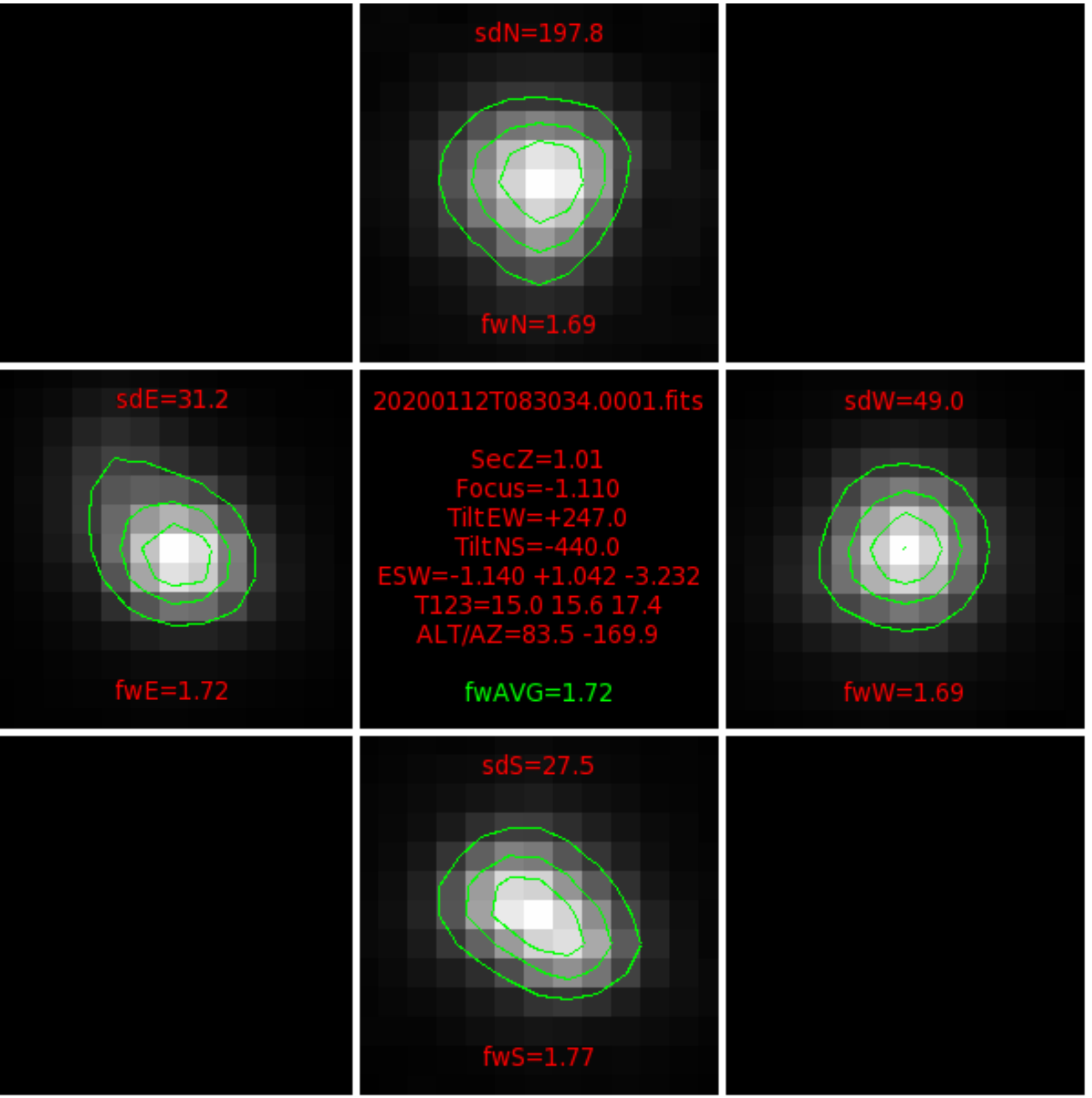
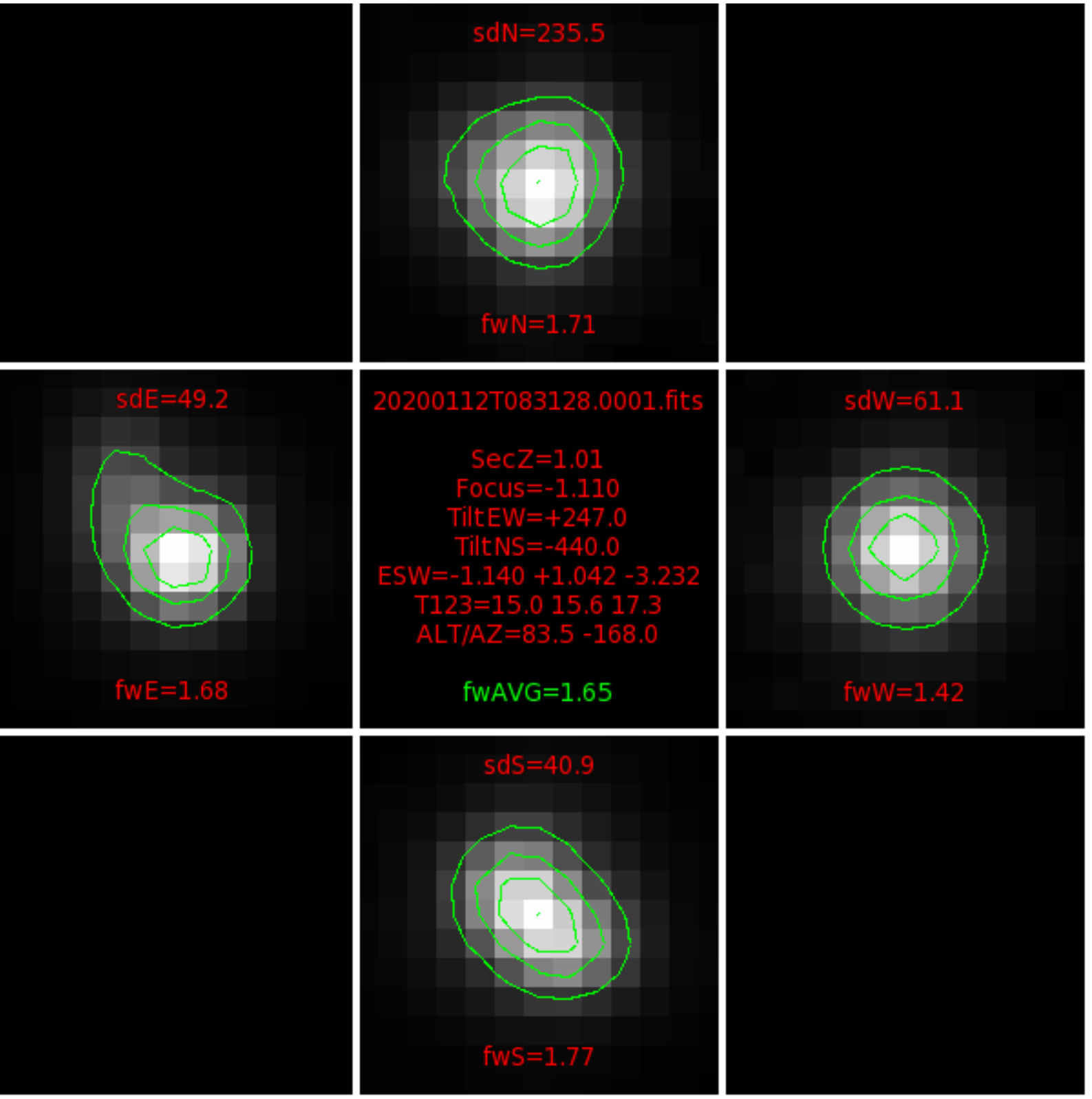

sdN=197.8
fwN=1.69
sdE=31.2
fwE=1.72
20200112T083034.0001.fits
SecZ=1.01
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.0 15.6 17.4
ALT/AZ=83.5 -169.9
fwAVG=1.72
sdW=49.0
fwW=1.69
sdS=27.5
fwS=1.77
0 0 0 0 0 0 0 0 0


sdN=235.5
fwN=1.71
sdE=49.2
fwE=1.68
20200112T083128.0001.fits
SecZ=1.01
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.0 15.6 17.3
ALT/AZ=83.5 -168.0
fwAVG=1.65
sdW=61.1
fwW=1.42
sdS=40.9
fwS=1.77
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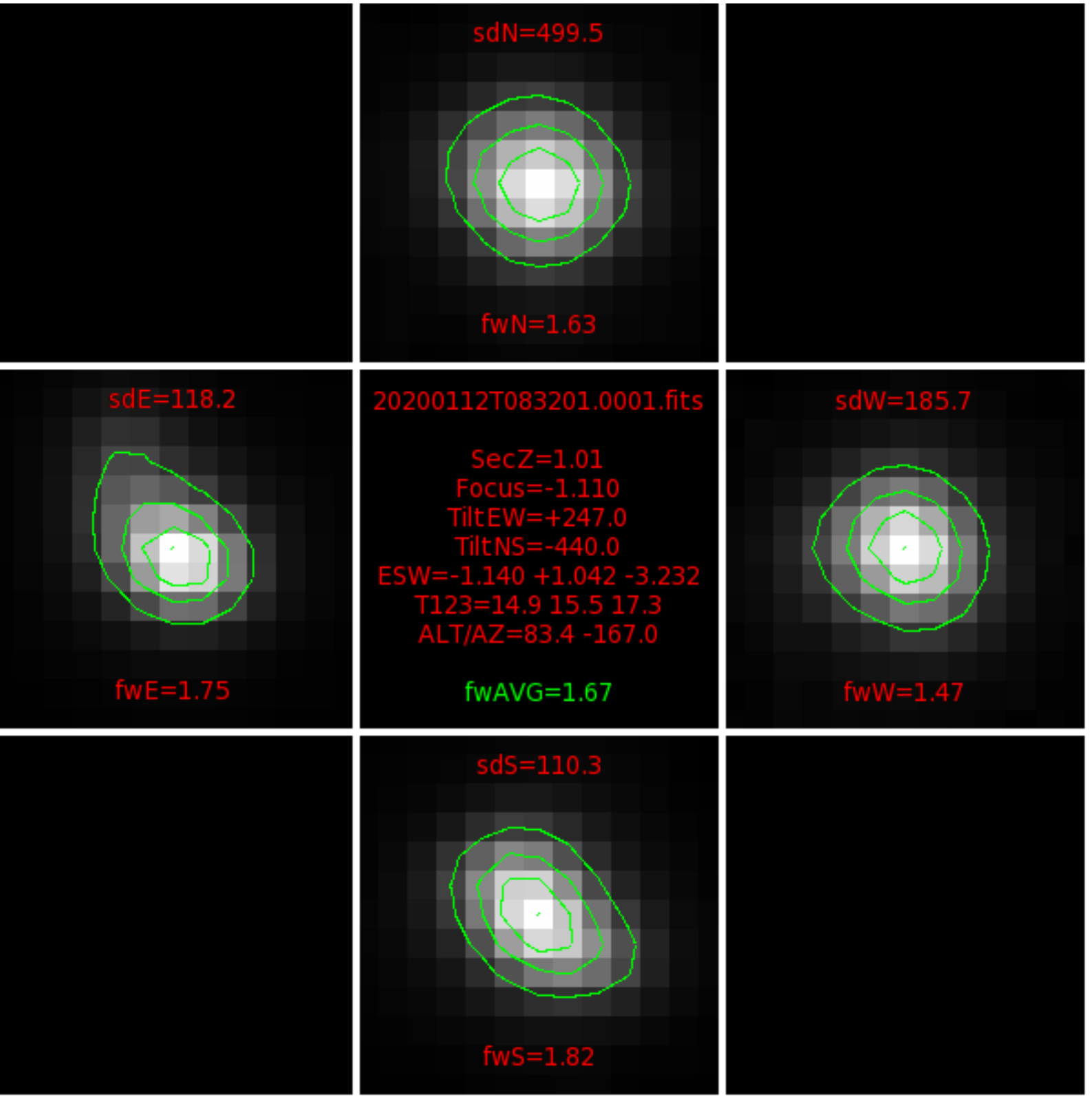
sdN=499.5
fwN=1.63
sdE=118.2
fwE=1.75
20200112T083201.0001.fits
SecZ=1.01
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.9 15.5 17.3
ALT/AZ=83.4 -167.0
fwAVG=1.67
sdW=185.7
fwW=1.47
sdS=110.3
fwS=1.82
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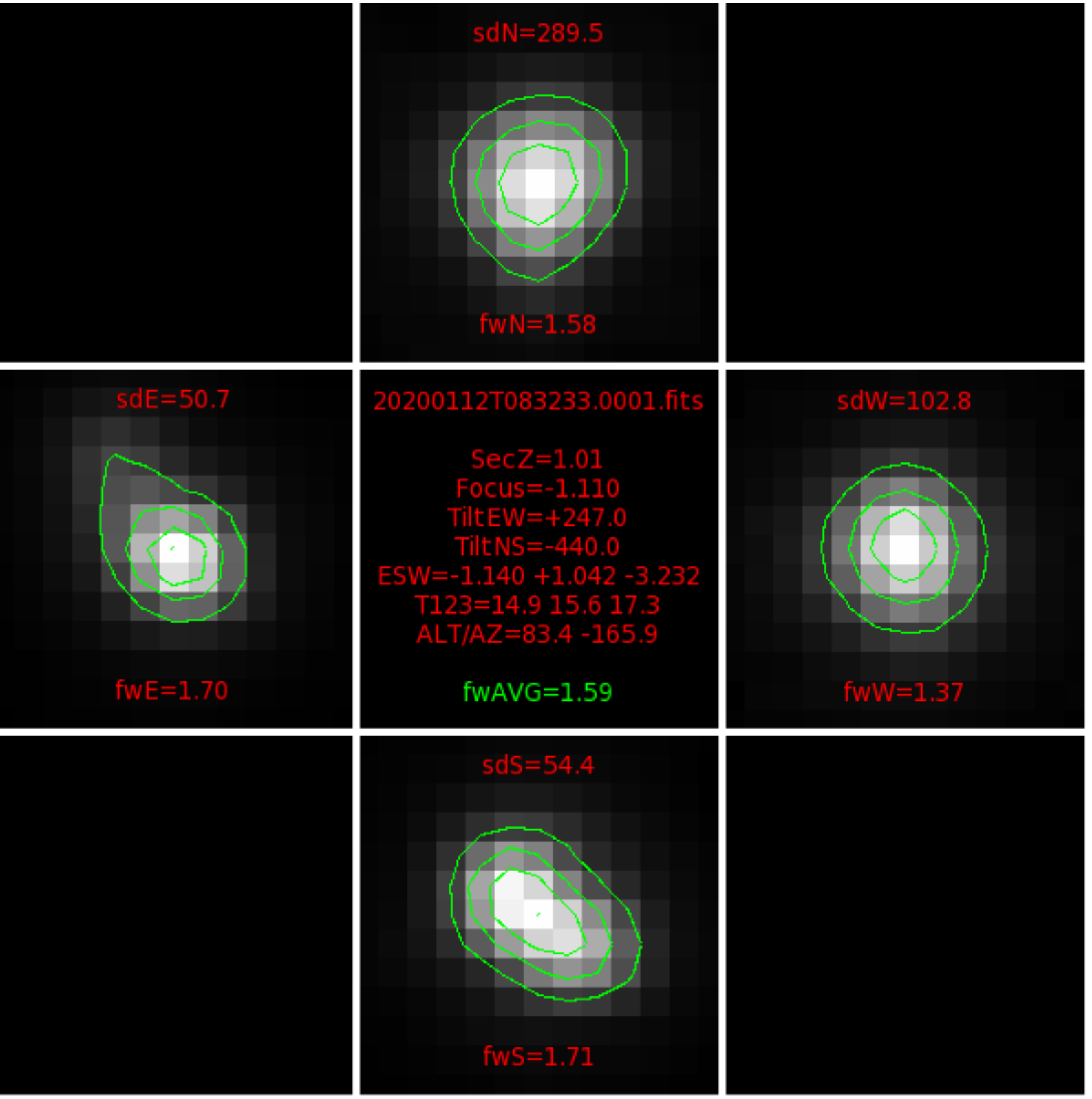
sdN=289.5
fwN=1.58
sdE=50.7
fwE=1.70
20200112T083233.0001.fits
SecZ=1.01
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.9 15.6 17.3
ALT/AZ=83.4 -165.9
fwAVG=1.59
sdW=102.8
fwW=1.37
sdS=54.4
fwS=1.71
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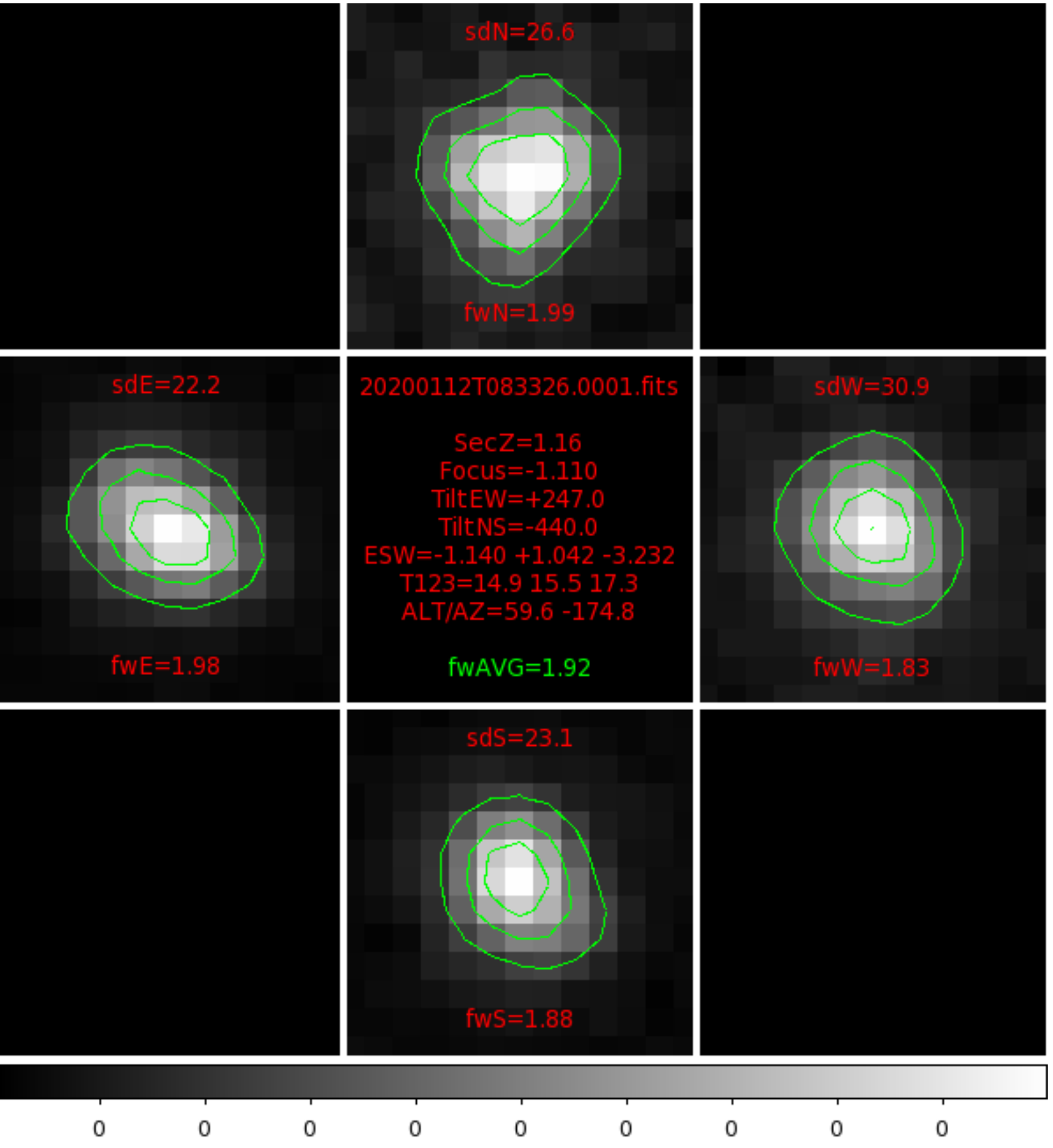
sdN=26.6
fwN=1.99
sdE=22.2
fwE=1.98
20200112T083326.0001.fits
SecZ=1.16
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.9 15.5 17.3
ALT/AZ=59.6 -174.8
fwAVG=1.92
sdW=30.9
fwW=1.83
sdS=23.1
fwS=1.88
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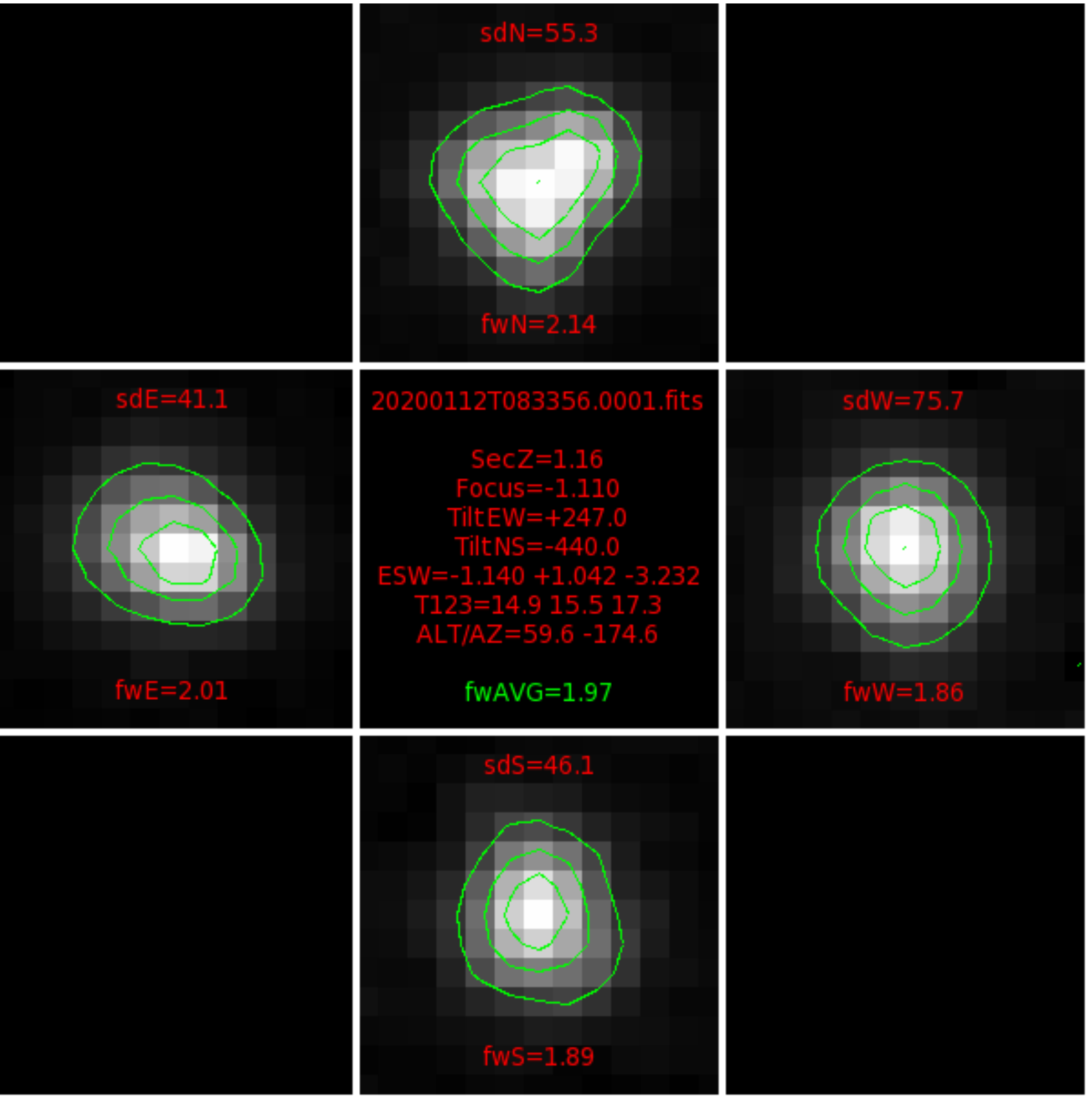
sdN=55.3
fwN=2.14
sdE=41.1
fwE=2.01
20200112T083356.0001.fits
SecZ=1.16
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.9 15.5 17.3
ALT/AZ=59.6 -174.6
fwAVG=1.97
sdW=75.7
fwW=1.86
sdS=46.1
fwS=1.89
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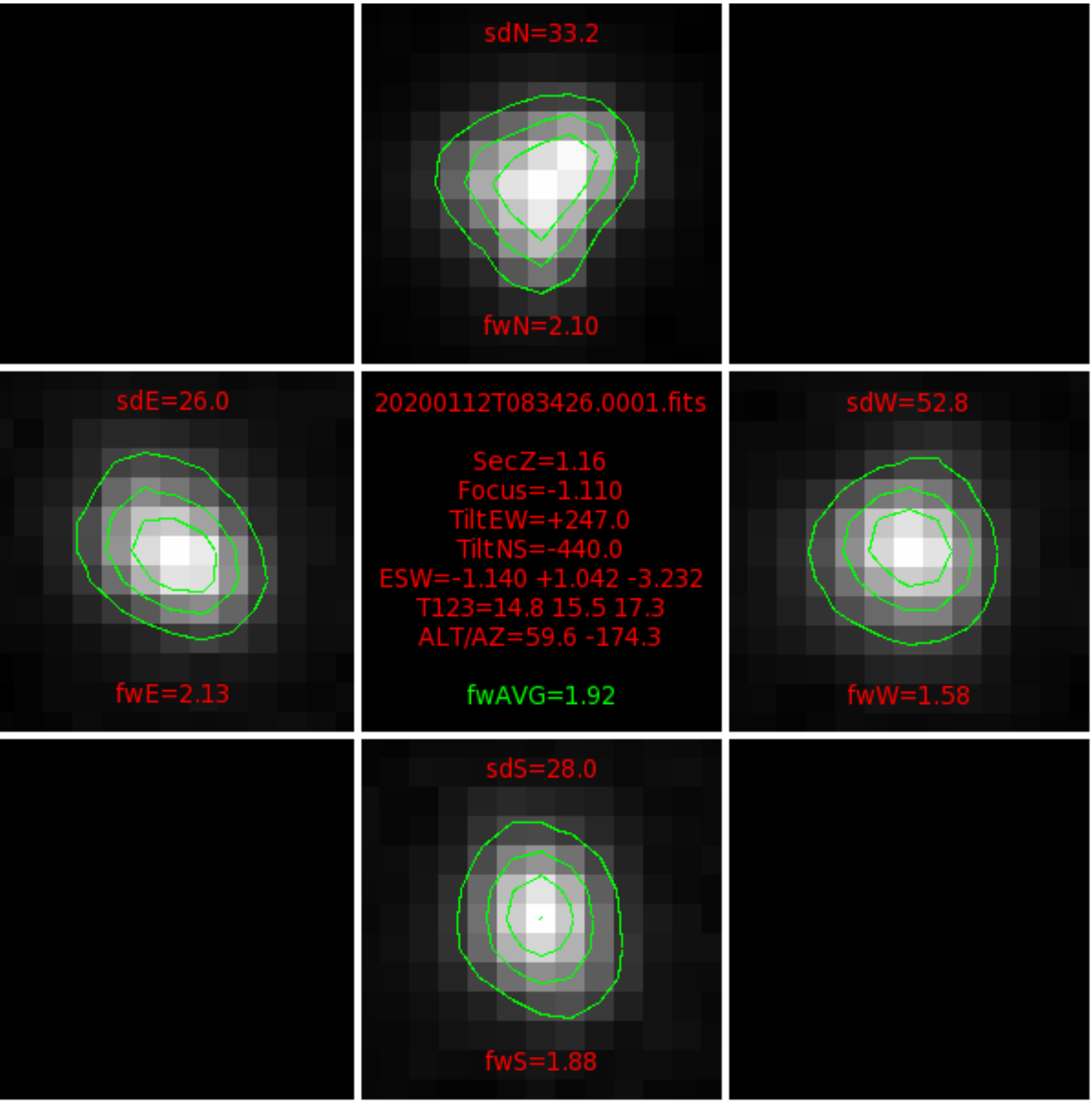
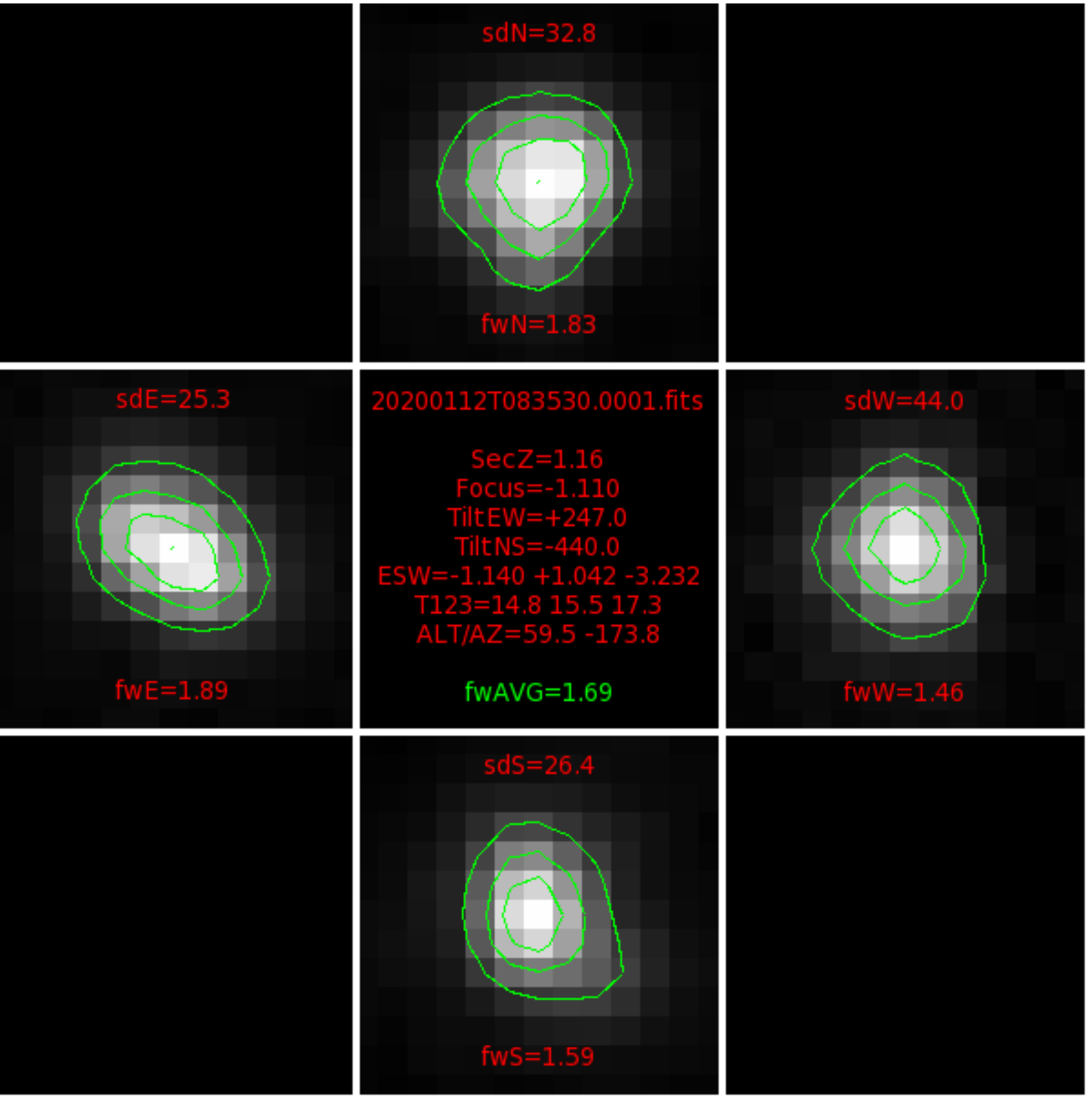
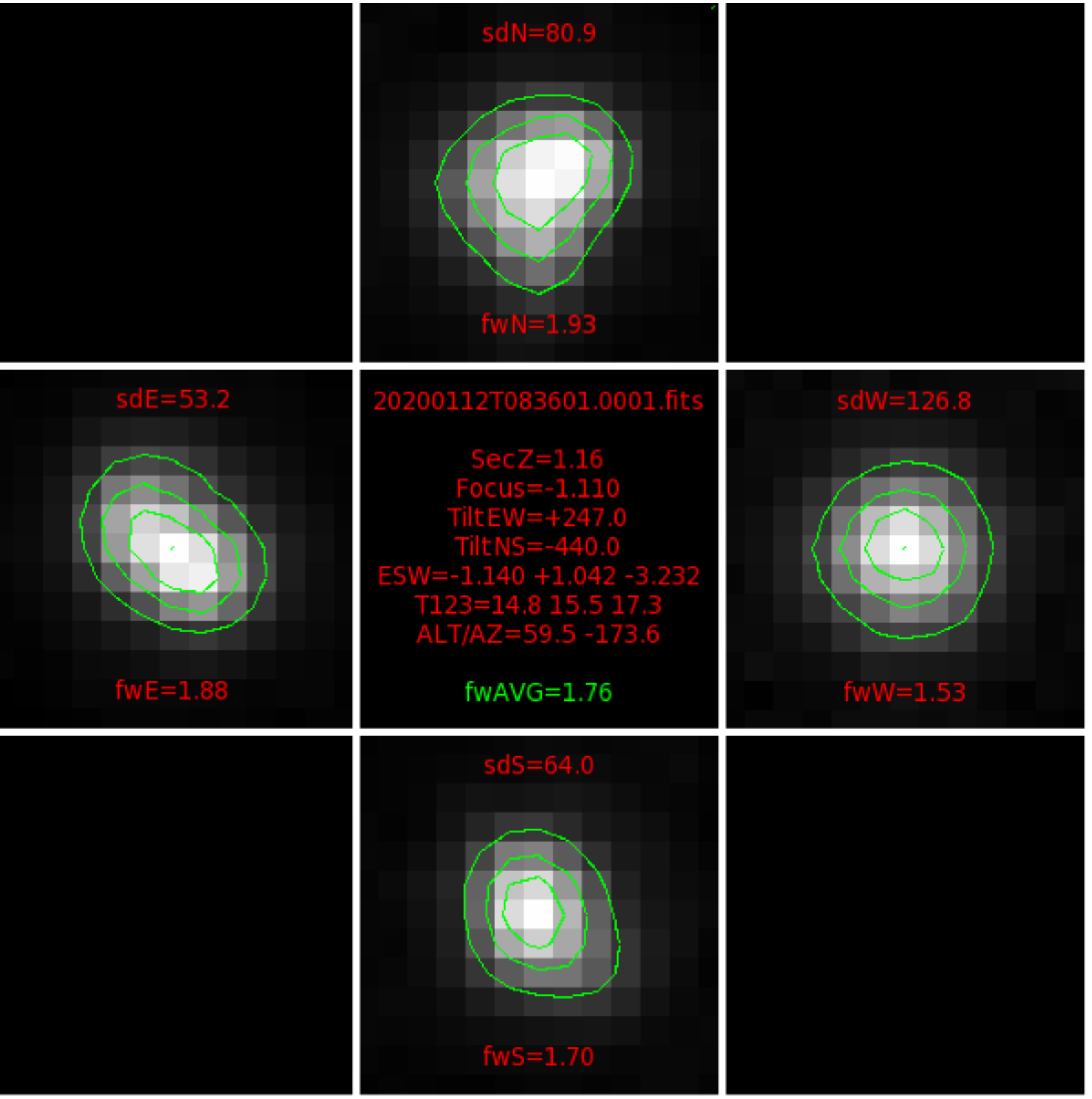
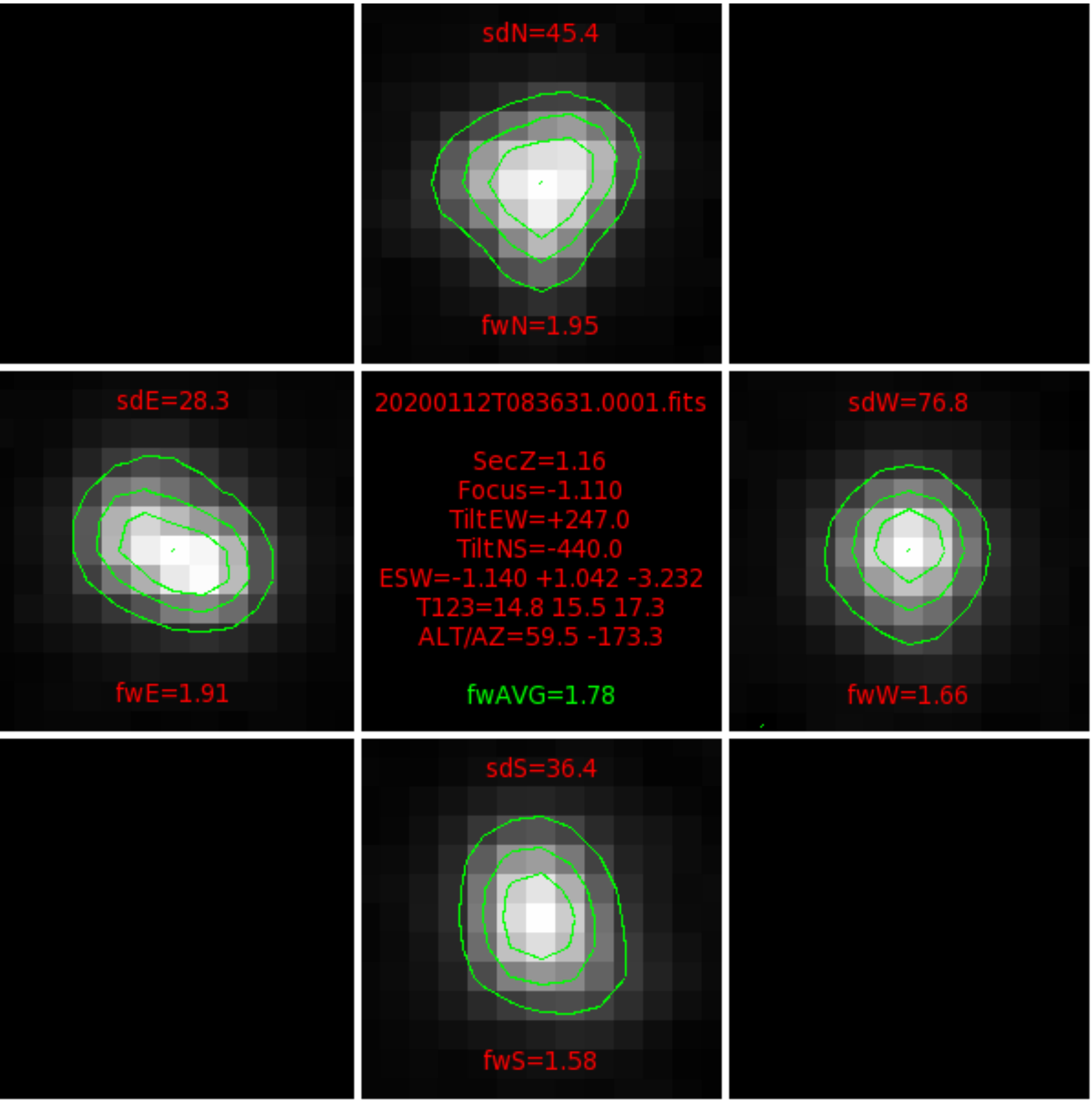
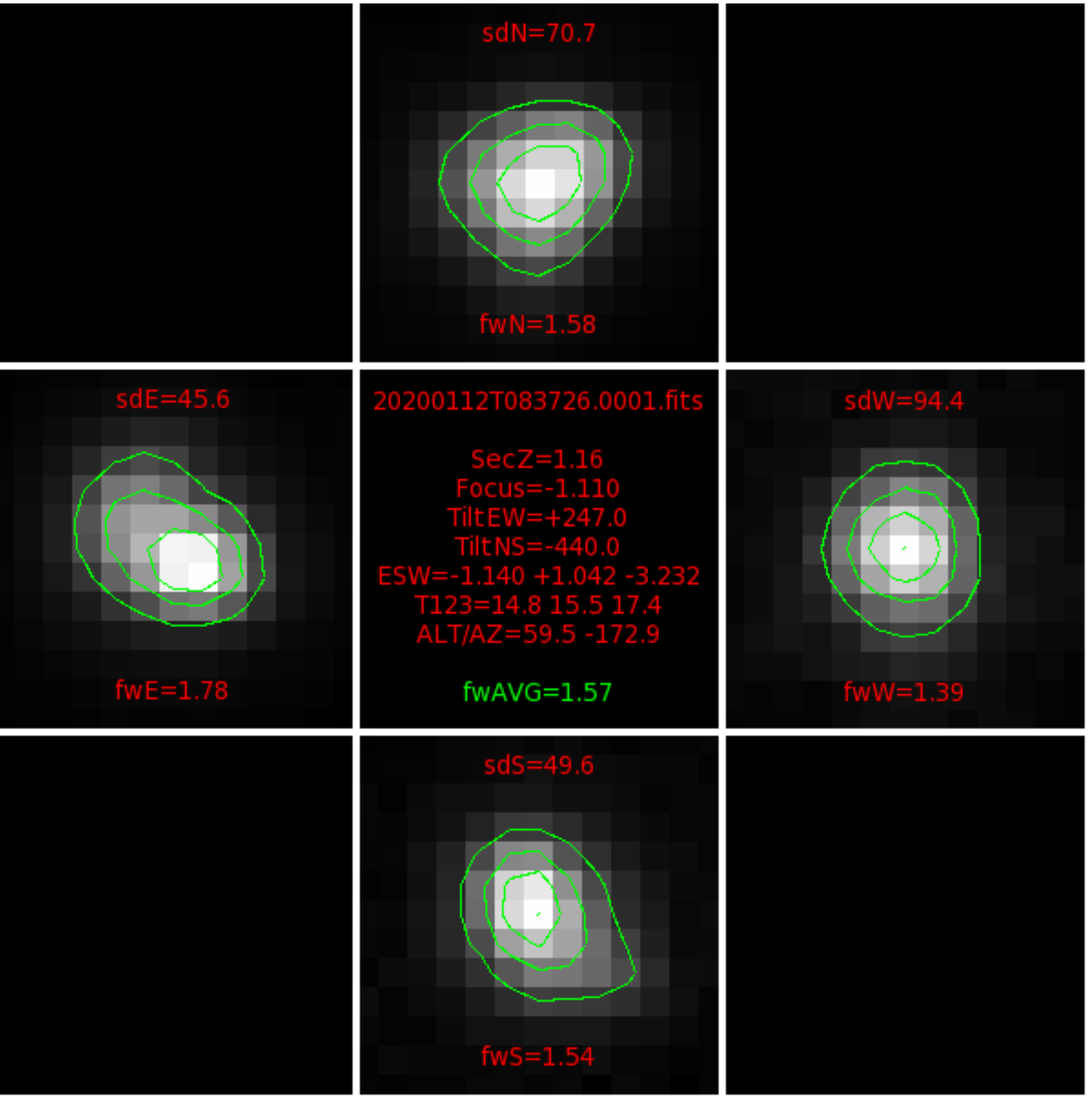

sdN=33.2
fwN=2.10
sdE=26.0
fwE=2.13
20200112T083426.0001.fits
SecZ=1.16
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.8 15.5 17.3
ALT/AZ=59.6 -174.3
fwAVG=1.92
sdW=52.8
fwW=1.58
sdS=28.0
fwS=1.88
0 0 0 0 0 0 0 0 0


sdN=32.8
fwN=1.83
sdE=25.3
fwE=1.89
20200112T083530.0001.fits
SecZ=1.16
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.8 15.5 17.3
ALT/AZ=59.5 -173.8
fwAVG=1.69
sdW=44.0
fwW=1.46
sdS=26.4
fwS=1.59
0 0 0 0 0 0 0 0 0


sdN=80.9
fwN=1.93
sdE=53.2
fwE=1.88
20200112T083601.0001.fits
SecZ=1.16
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.8 15.5 17.3
ALT/AZ=59.5 -173.6
fwAVG=1.76
sdW=126.8
fwW=1.53
sdS=64.0
fwS=1.70
0 0 0 0 0 0 0 0 0


sdN=45.4
fwN=1.95
sdE=28.3
fwE=1.91
20200112T083631.0001.fits
SecZ=1.16
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.8 15.5 17.3
ALT/AZ=59.5 -173.3
fwAVG=1.78
sdW=76.8
fwW=1.66
sdS=36.4
fwS=1.58
0 0 0 0 0 0 0 0 0


sdN=70.7
fwN=1.58
sdE=45.6
fwE=1.78
20200112T083726.0001.fits
SecZ=1.16
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.8 15.5 17.4
ALT/AZ=59.5 -172.9
fwAVG=1.57
sdW=94.4
fwW=1.39
sdS=49.6
fwS=1.54
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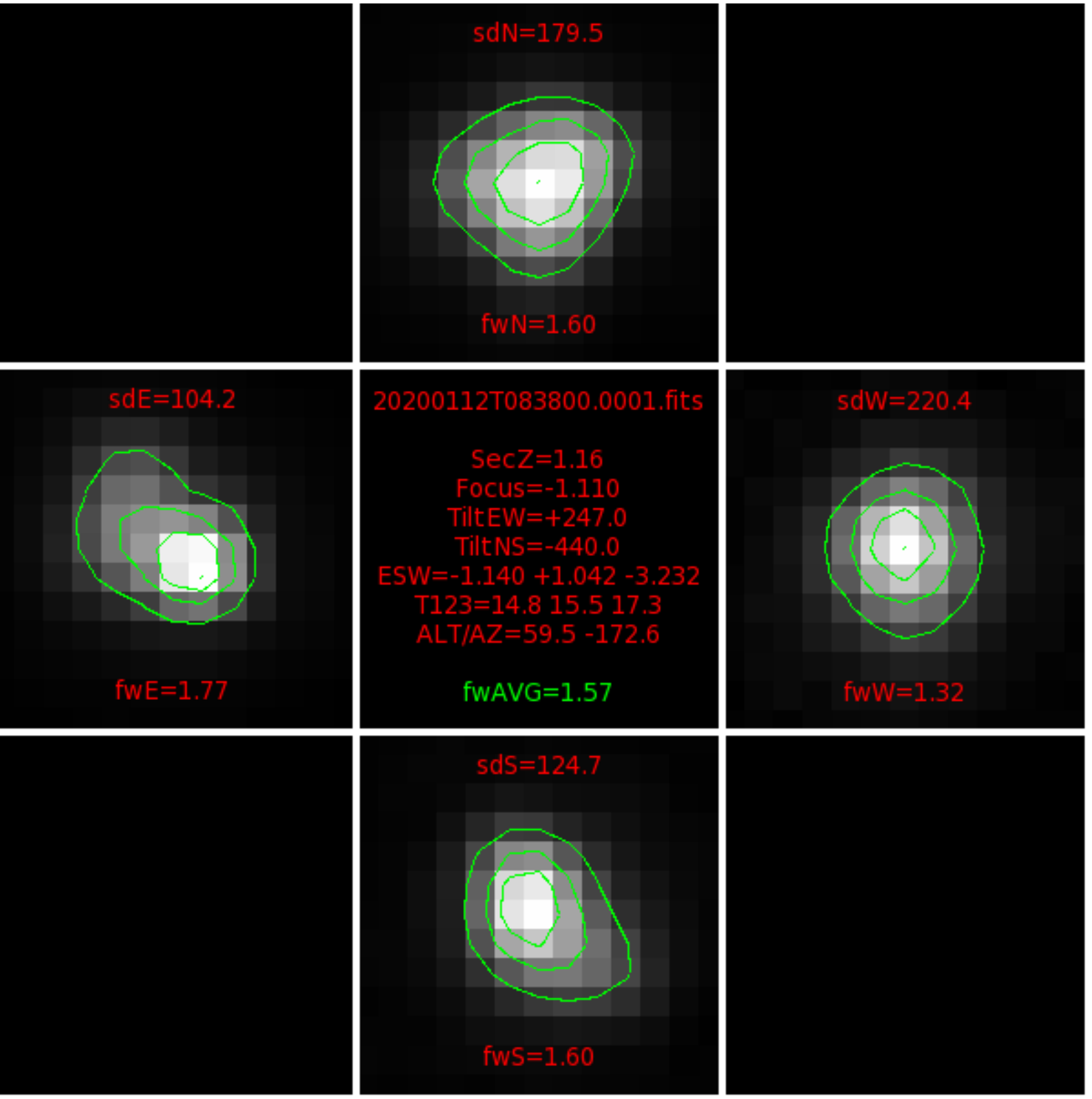
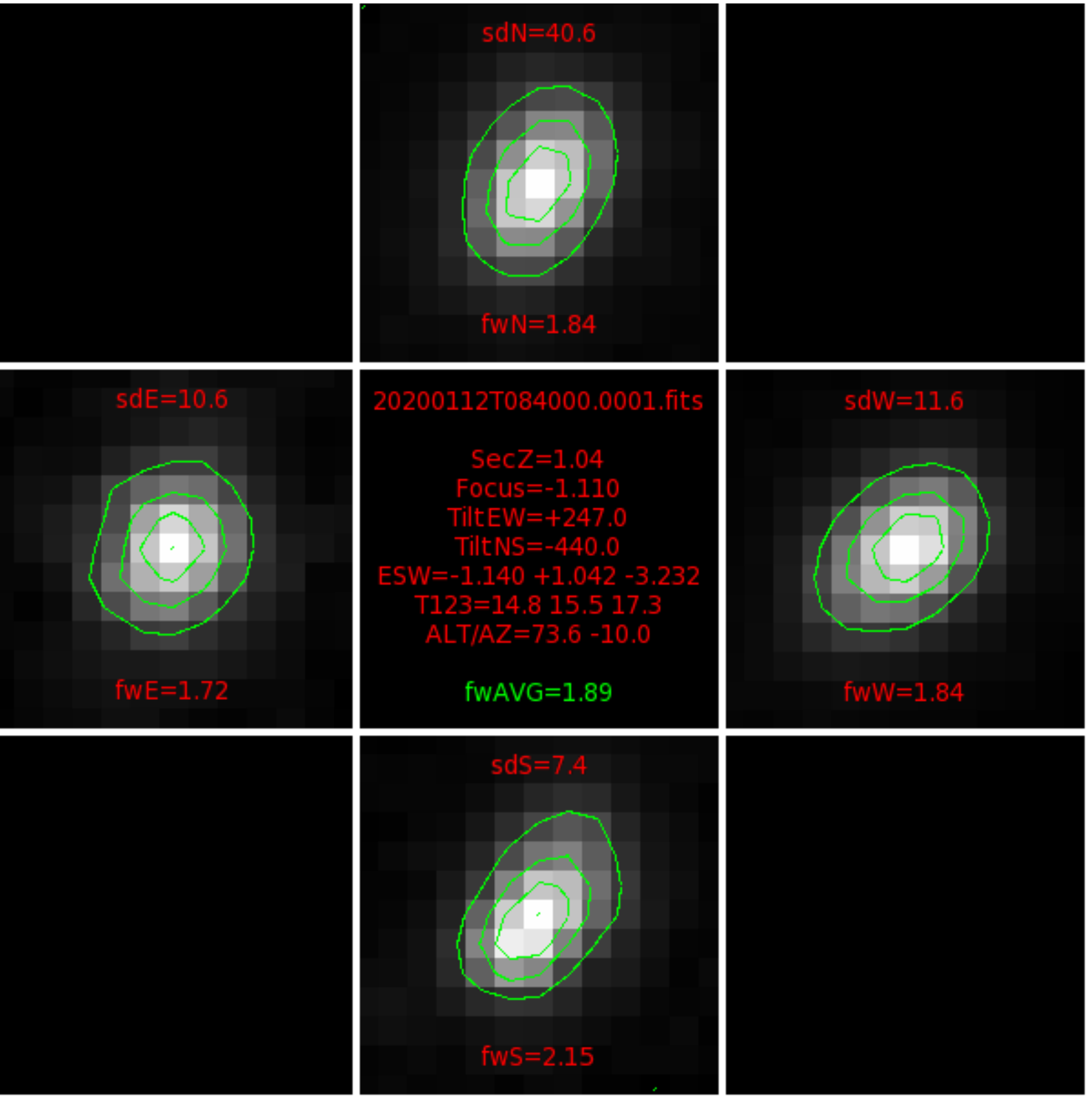
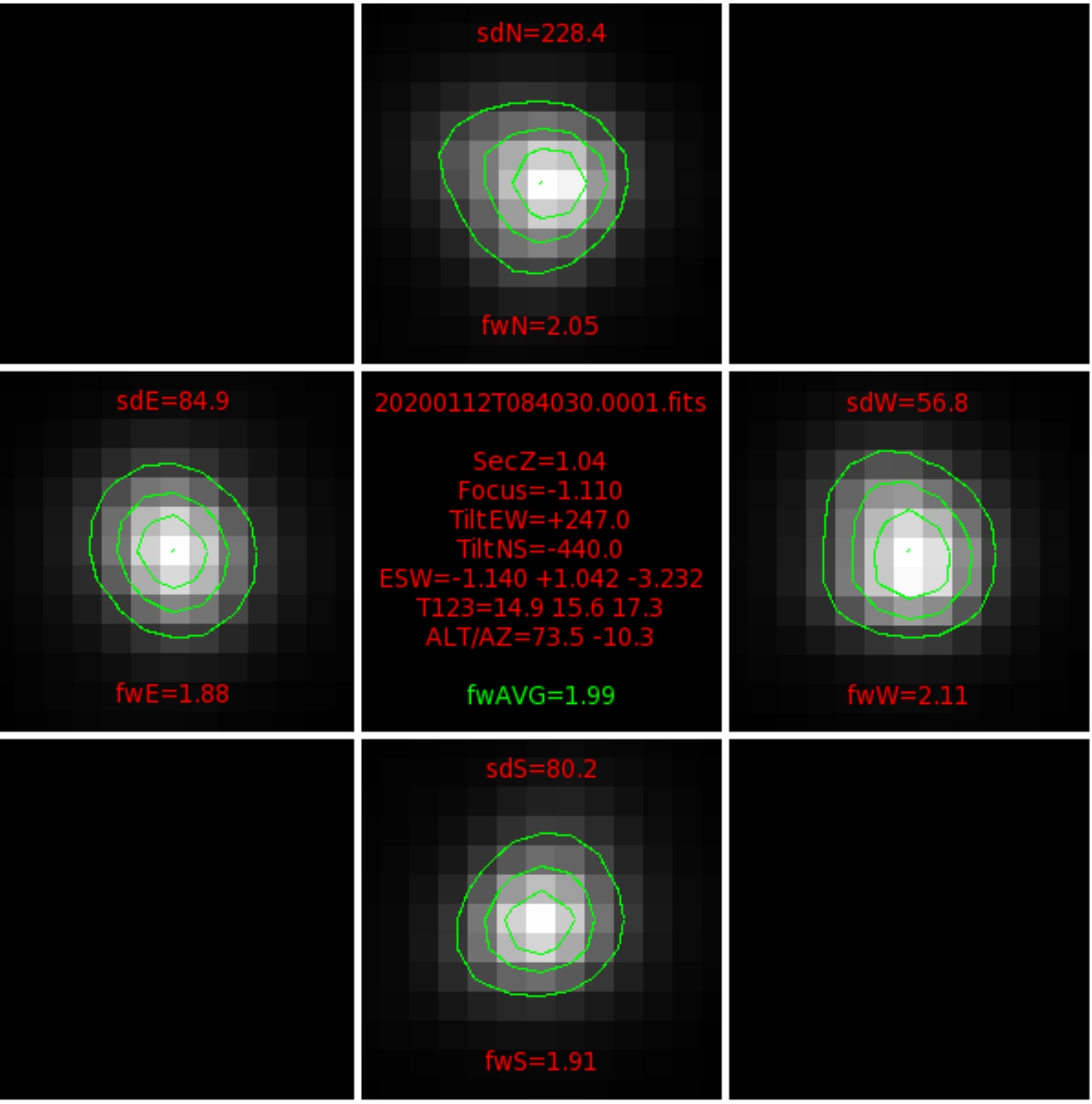
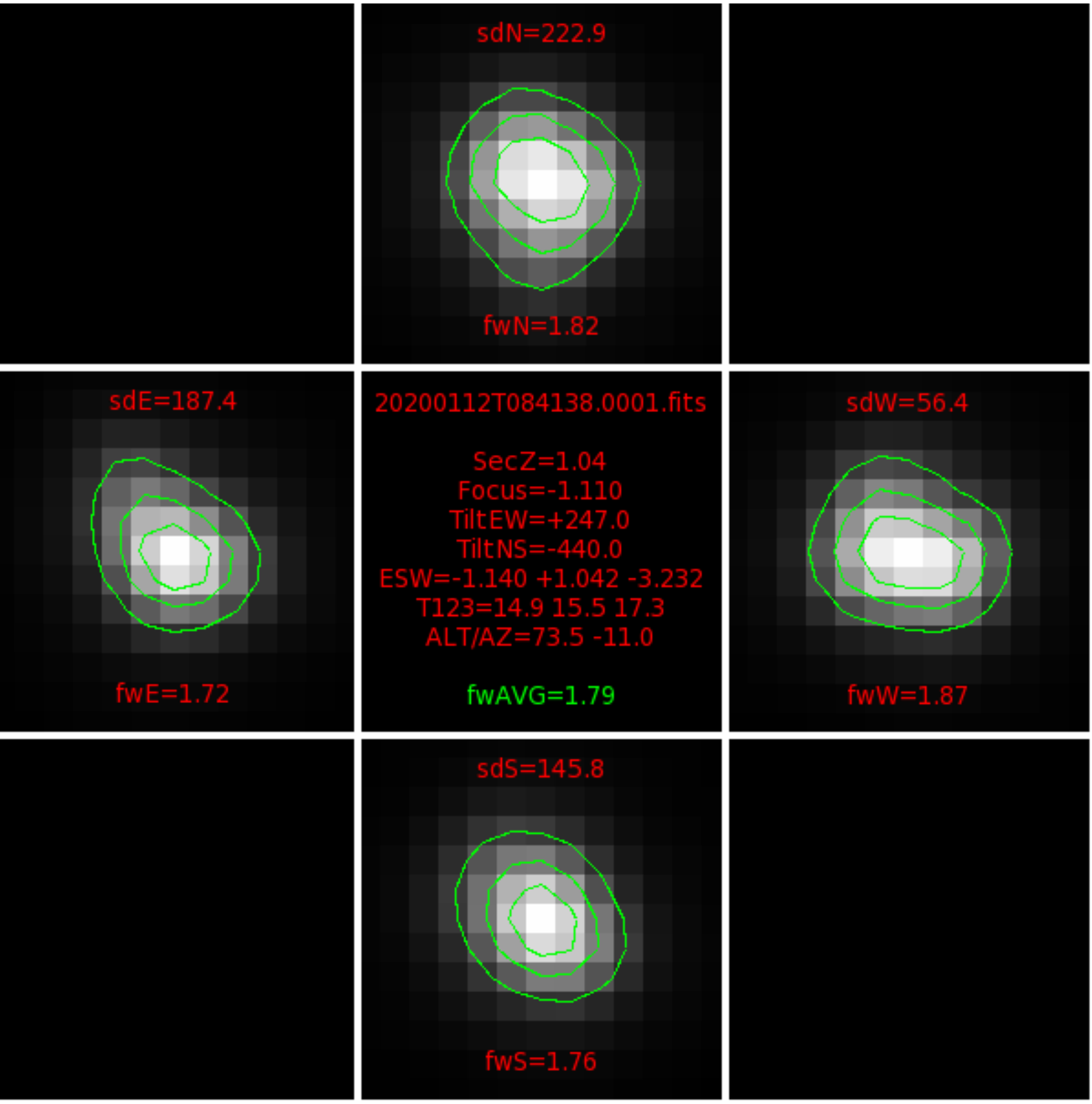
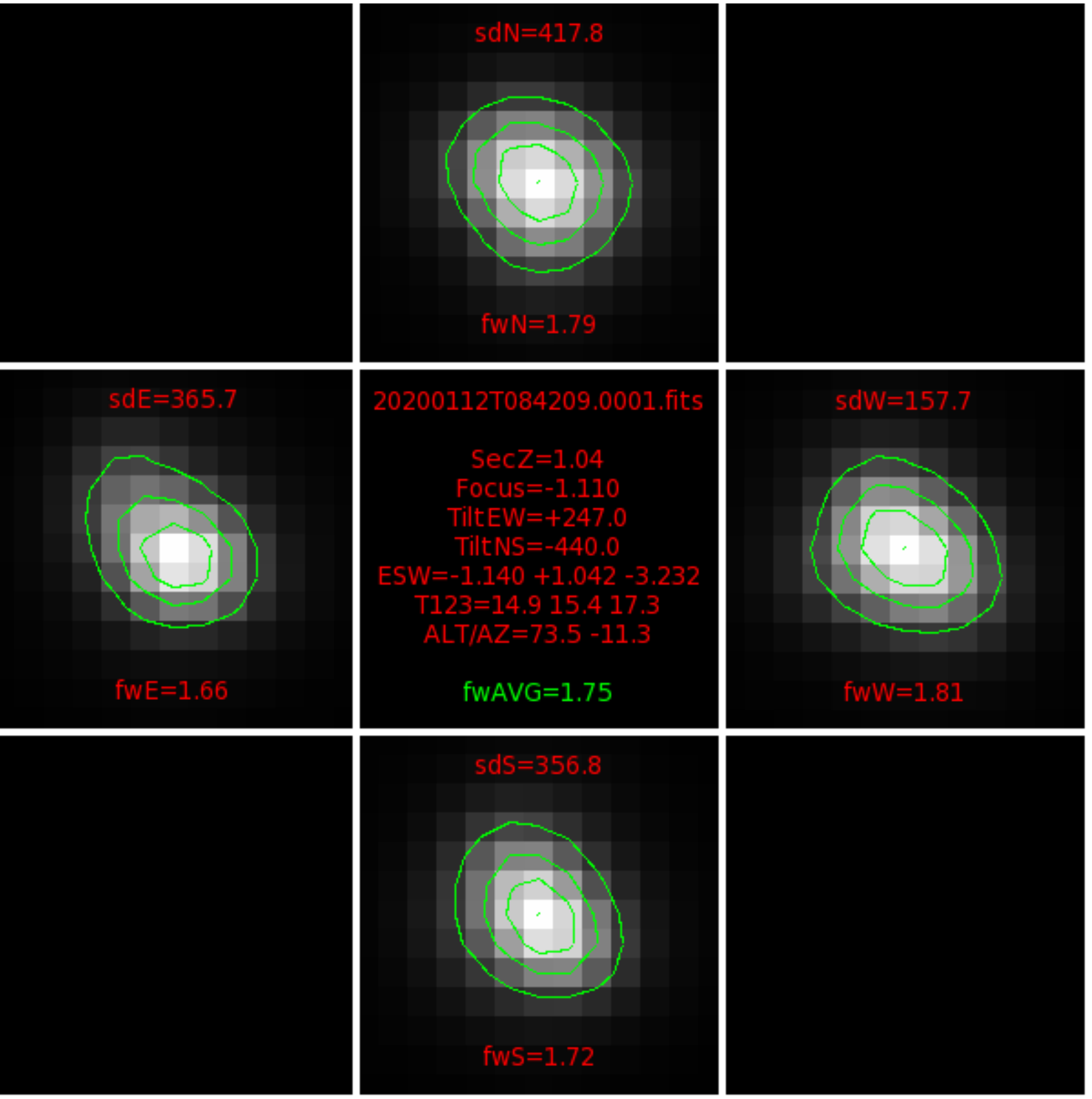

sdN=179.5
fwN=1.60
sdE=104.2
fwE=1.77
20200112T083800.0001.fits
SecZ=1.16
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.8 15.5 17.3
ALT/AZ=59.5 -172.6
fwAVG=1.57
sdW=220.4
fwW=1.32
sdS=124.7
fwS=1.60
0 0 0 0 0 0 0 0 0


sdN=40.6
fwN=1.84
sdE=10.6
fwE=1.72
20200112T084000.0001.fits
SecZ=1.04
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.8 15.5 17.3
ALT/AZ=73.6 -10.0
fwAVG=1.89
sdW=11.6
fwW=1.84
sdS=7.4
fwS=2.15
0 0 0 0 0 0 0 0 0


sdN=228.4
fwN=2.05
sdE=84.9
fwE=1.88
20200112T084030.0001.fits
SecZ=1.04
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.9 15.6 17.3
ALT/AZ=73.5 -10.3
fwAVG=1.99
sdW=56.8
fwW=2.11
sdS=80.2
fwS=1.91
0 0 0 0 0 0 0 0 0


sdN=222.9
fwN=1.82
sdE=187.4
fwE=1.72
20200112T084138.0001.fits
SecZ=1.04
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.9 15.5 17.3
ALT/AZ=73.5 -11.0
fwAVG=1.79
sdW=56.4
fwW=1.87
sdS=145.8
fwS=1.76
0 0 0 0 0 0 0 0 0


sdN=417.8
fwN=1.79
sdE=365.7
fwE=1.66
20200112T084209.0001.fits
SecZ=1.04
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.9 15.4 17.3
ALT/AZ=73.5 -11.3
fwAVG=1.75
sdW=157.7
fwW=1.81
sdS=356.8
fwS=1.72
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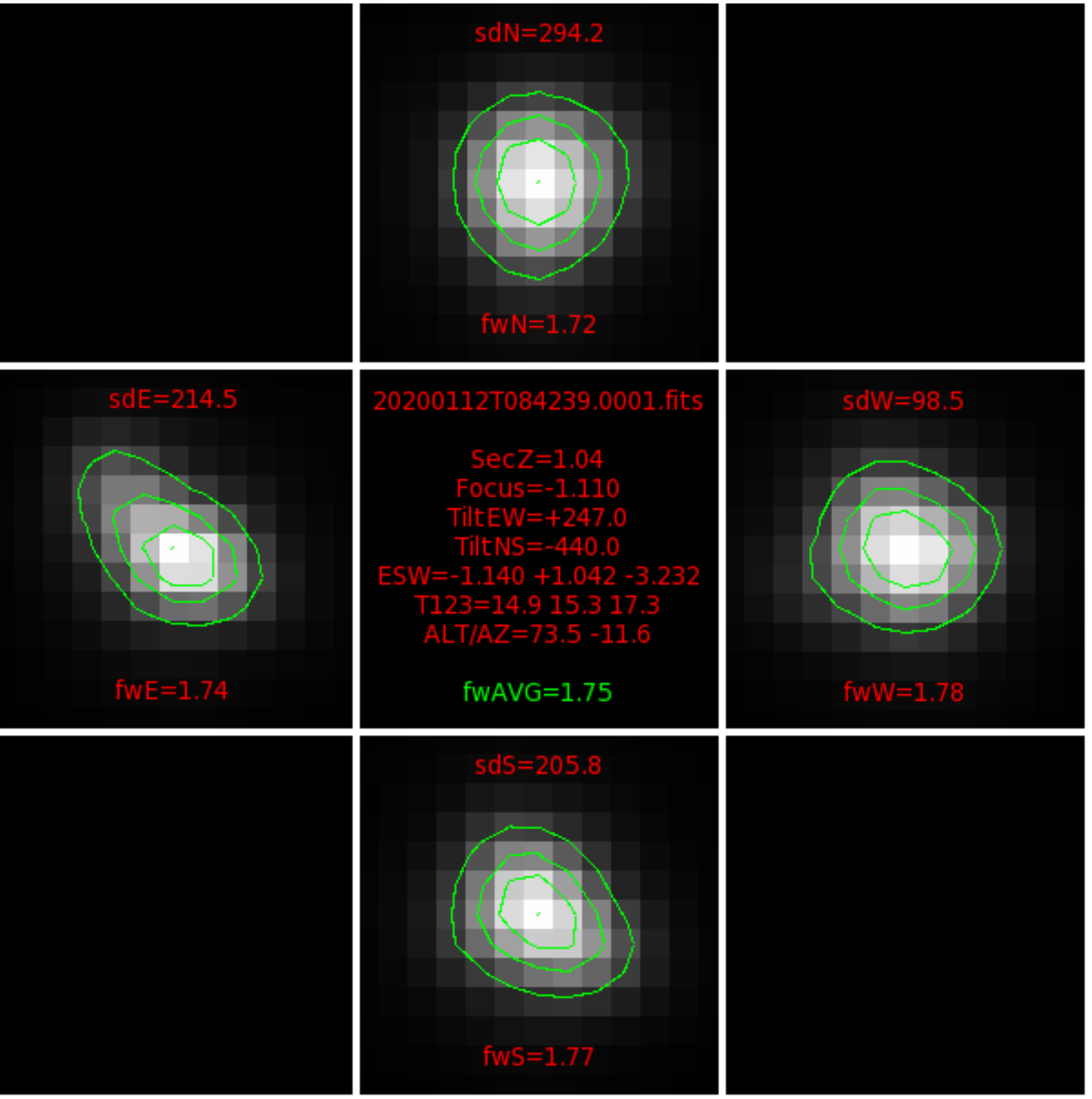
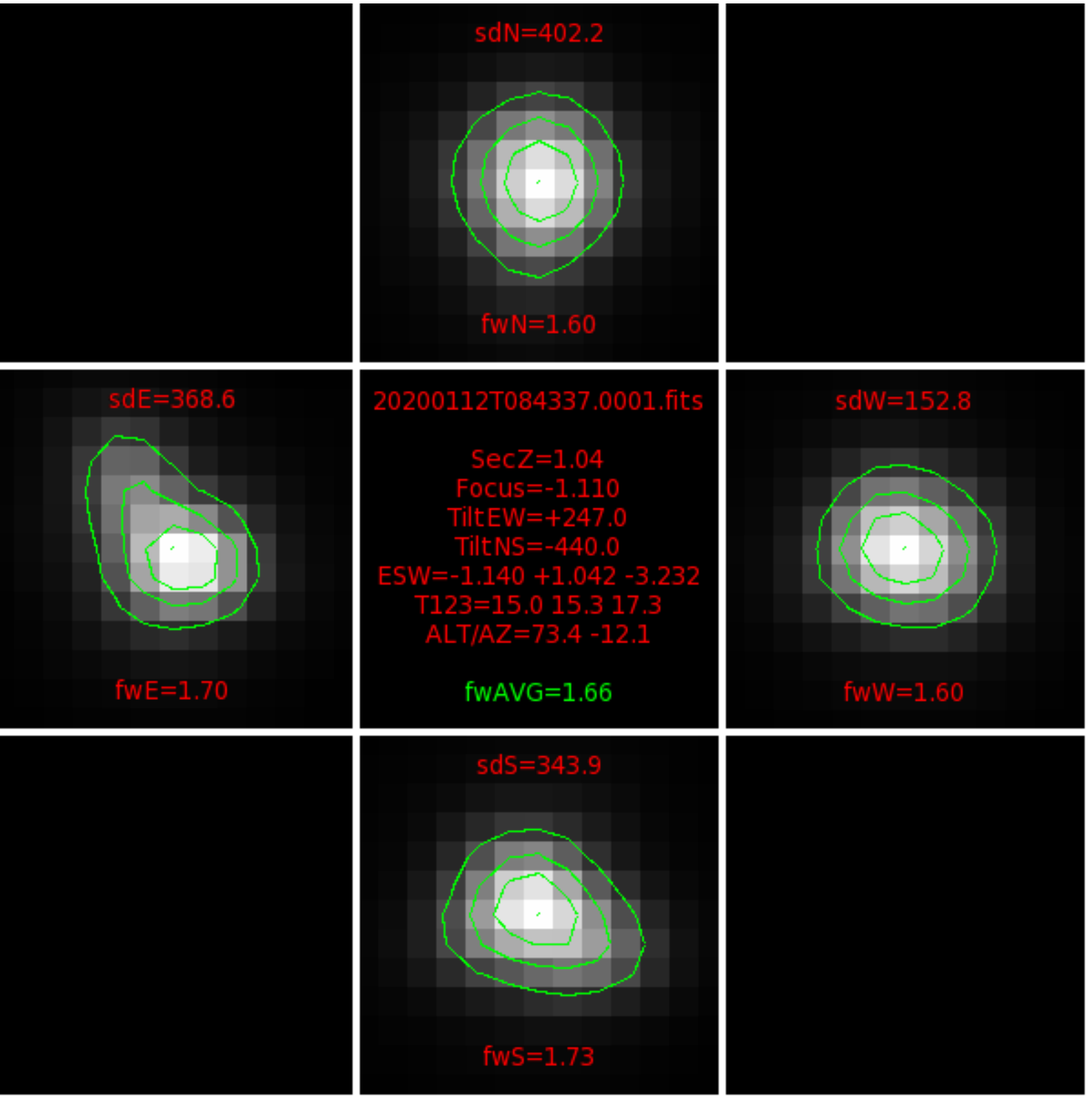
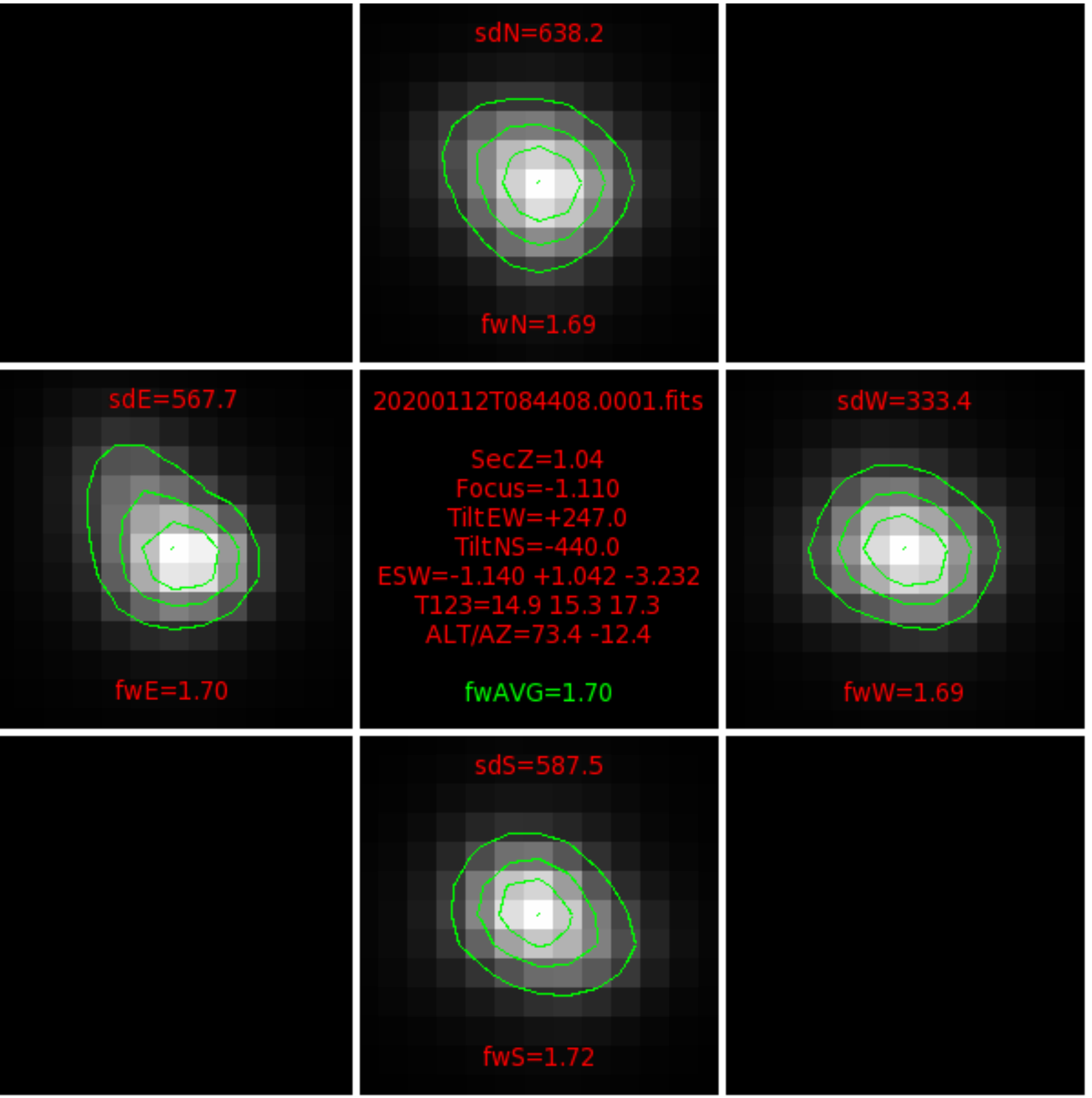
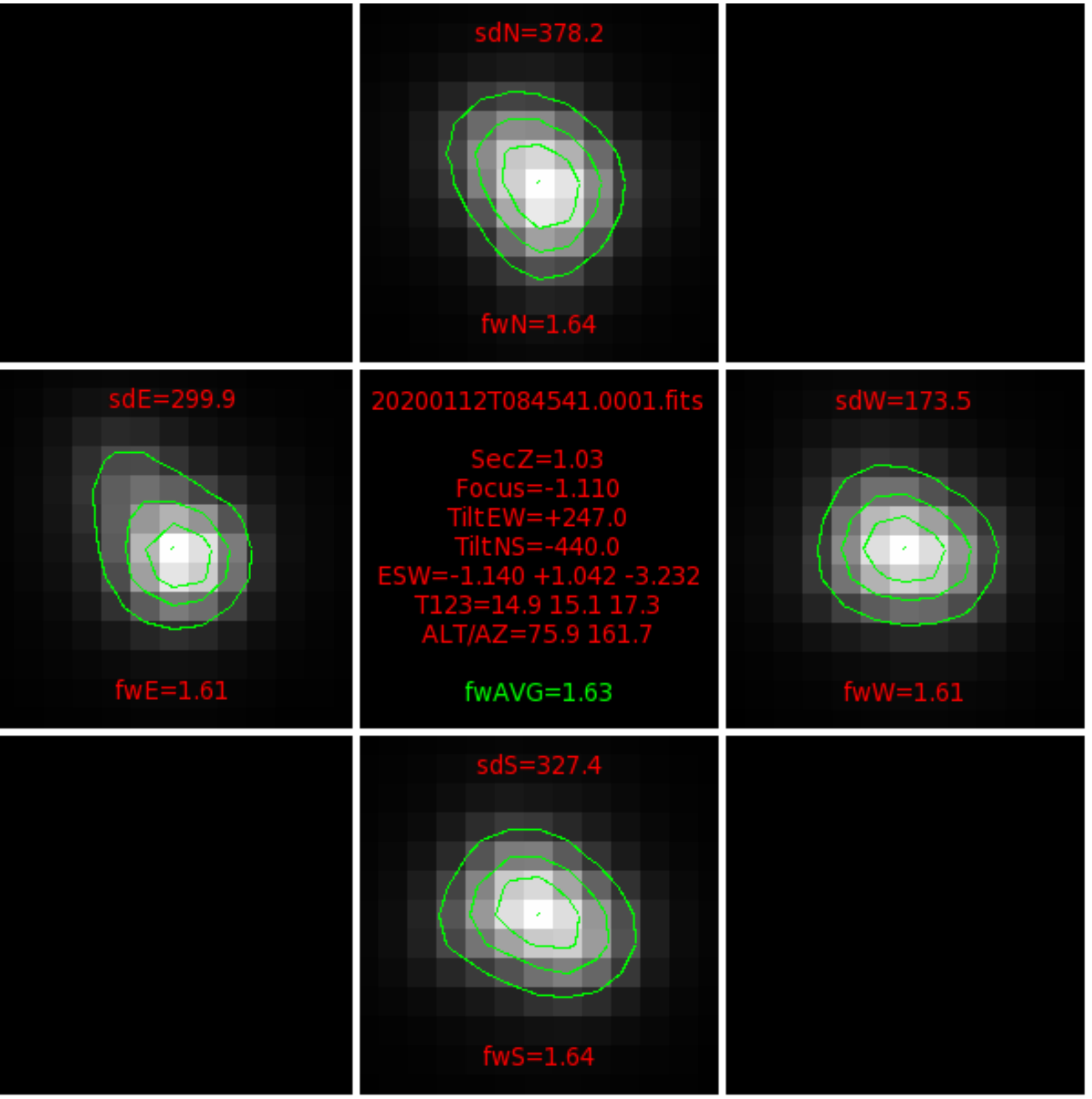

sdN=294.2
fwN=1.72
sdE=214.5
fwE=1.74
20200112T084239.0001.fits
SecZ=1.04
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.9 15.3 17.3
ALT/AZ=73.5 -11.6
fwAVG=1.75
sdW=98.5
fwW=1.78
sdS=205.8
fwS=1.77
0 0 0 0 0 0 0 0 0


sdN=402.2
fwN=1.60
sdE=368.6
fwE=1.70
20200112T084337.0001.fits
SecZ=1.04
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=15.0 15.3 17.3
ALT/AZ=73.4 -12.1
fwAVG=1.66
sdW=152.8
fwW=1.60
sdS=343.9
fwS=1.73
0 0 0 0 0 0 0 0 0


sdN=638.2
fwN=1.69
sdE=567.7
fwE=1.70
20200112T084408.0001.fits
SecZ=1.04
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.9 15.3 17.3
ALT/AZ=73.4 -12.4
fwAVG=1.70
sdW=333.4
fwW=1.69
sdS=587.5
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=378.2
fwN=1.64
sdE=299.9
fwE=1.61
20200112T084541.0001.fits
SecZ=1.03
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.9 15.1 17.3
ALT/AZ=75.9 161.7
fwAVG=1.63
sdW=173.5
fwW=1.61
sdS=327.4
fwS=1.64
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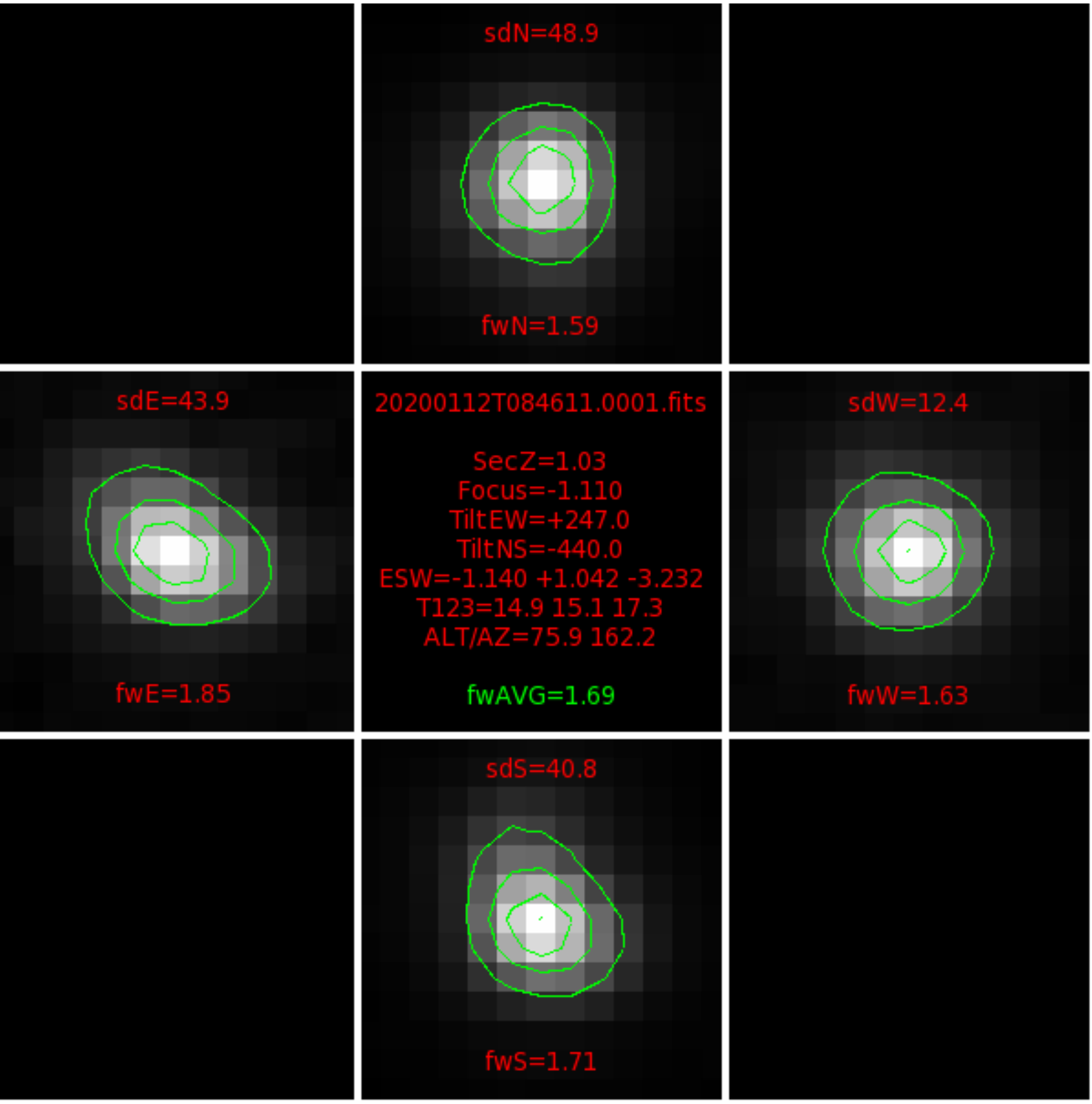
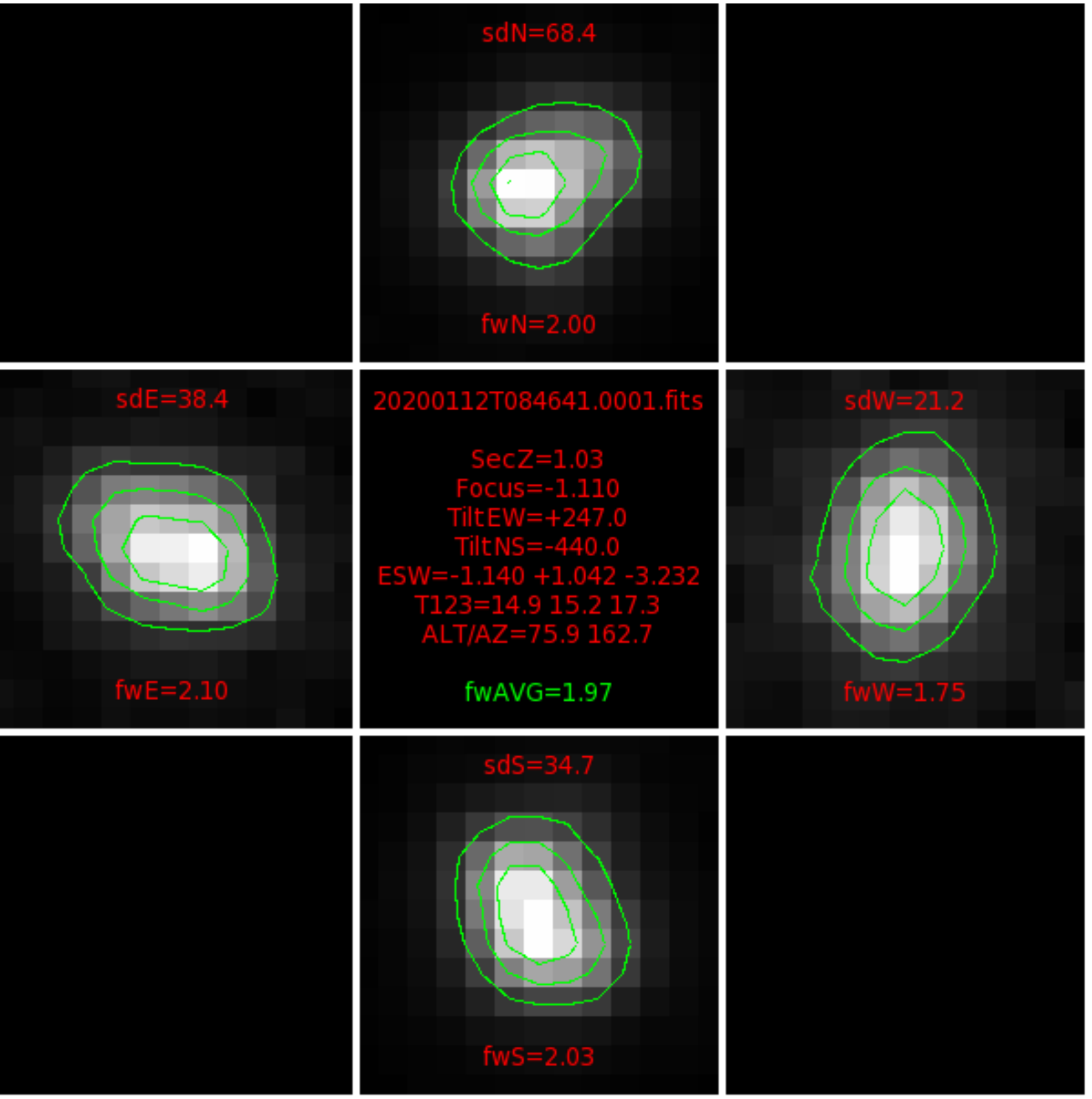

sdN=48.9
fwN=1.59
sdE=43.9
fwE=1.85
20200112T084611.0001.fits
SecZ=1.03
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.9 15.1 17.3
ALT/AZ=75.9 162.2
fwAVG=1.69
sdW=12.4
fwW=1.63
sdS=40.8
fwS=1.71
0 0 0 0 0 0 0 0 0


sdN=68.4
fwN=2.00
sdE=38.4
fwE=2.10
20200112T084641.0001.fits
SecZ=1.03
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.9 15.2 17.3
ALT/AZ=75.9 162.7
fwAVG=1.97
sdW=21.2
fwW=1.75
sdS=34.7
fwS=2.03
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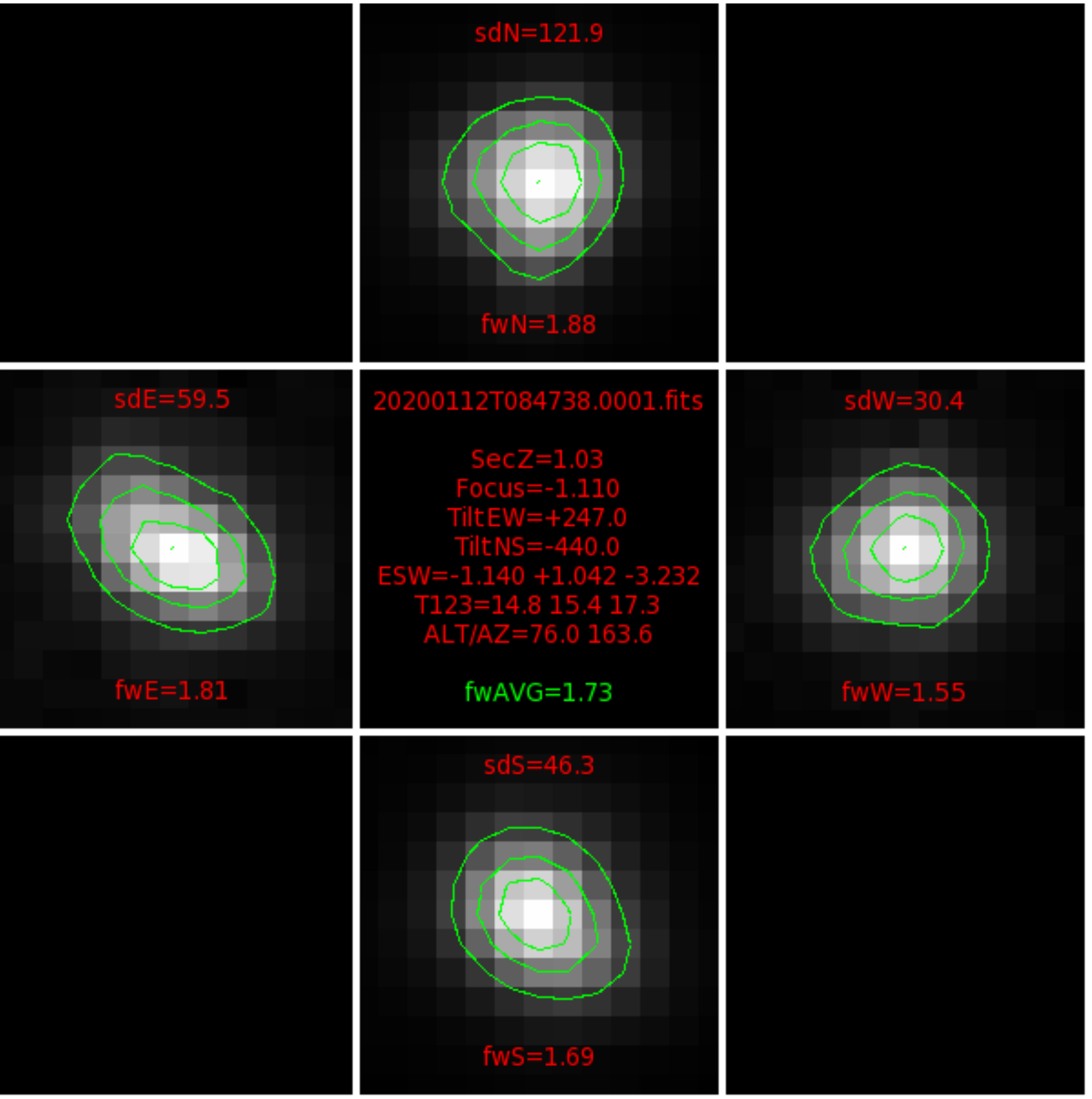
sdN=121.9
fwN=1.88
sdE=59.5
fwE=1.81
20200112T084738.0001.fits
SecZ=1.03
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.8 15.4 17.3
ALT/AZ=76.0 163.6
fwAVG=1.73
sdW=30.4
fwW=1.55
sdS=46.3
fwS=1.69
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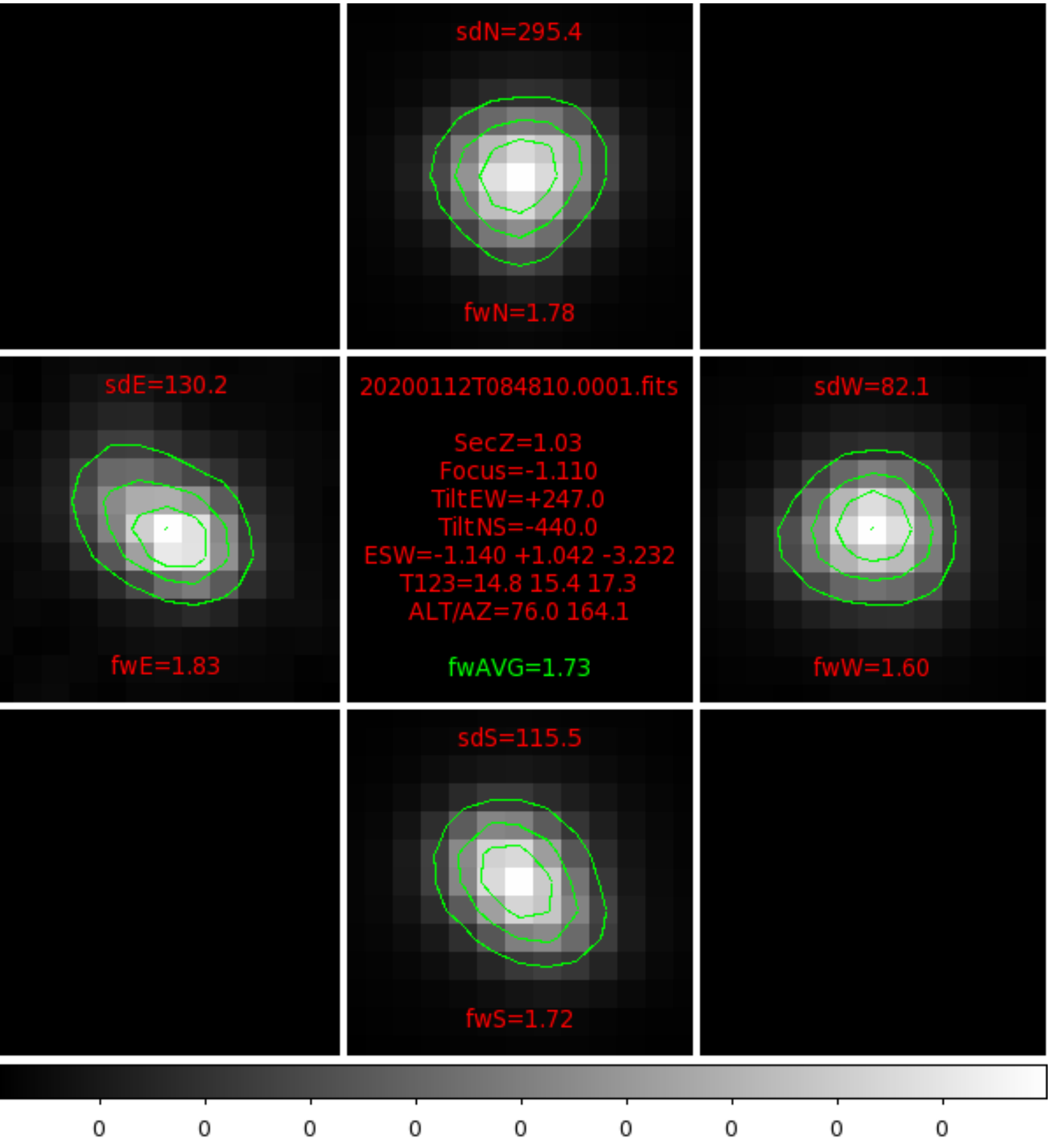
sdN=295.4
fwN=1.78
sdE=130.2
fwE=1.83
20200112T084810.0001.fits
SecZ=1.03
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.8 15.4 17.3
ALT/AZ=76.0 164.1
fwAVG=1.73
sdW=82.1
fwW=1.60
sdS=115.5
fwS=1.72
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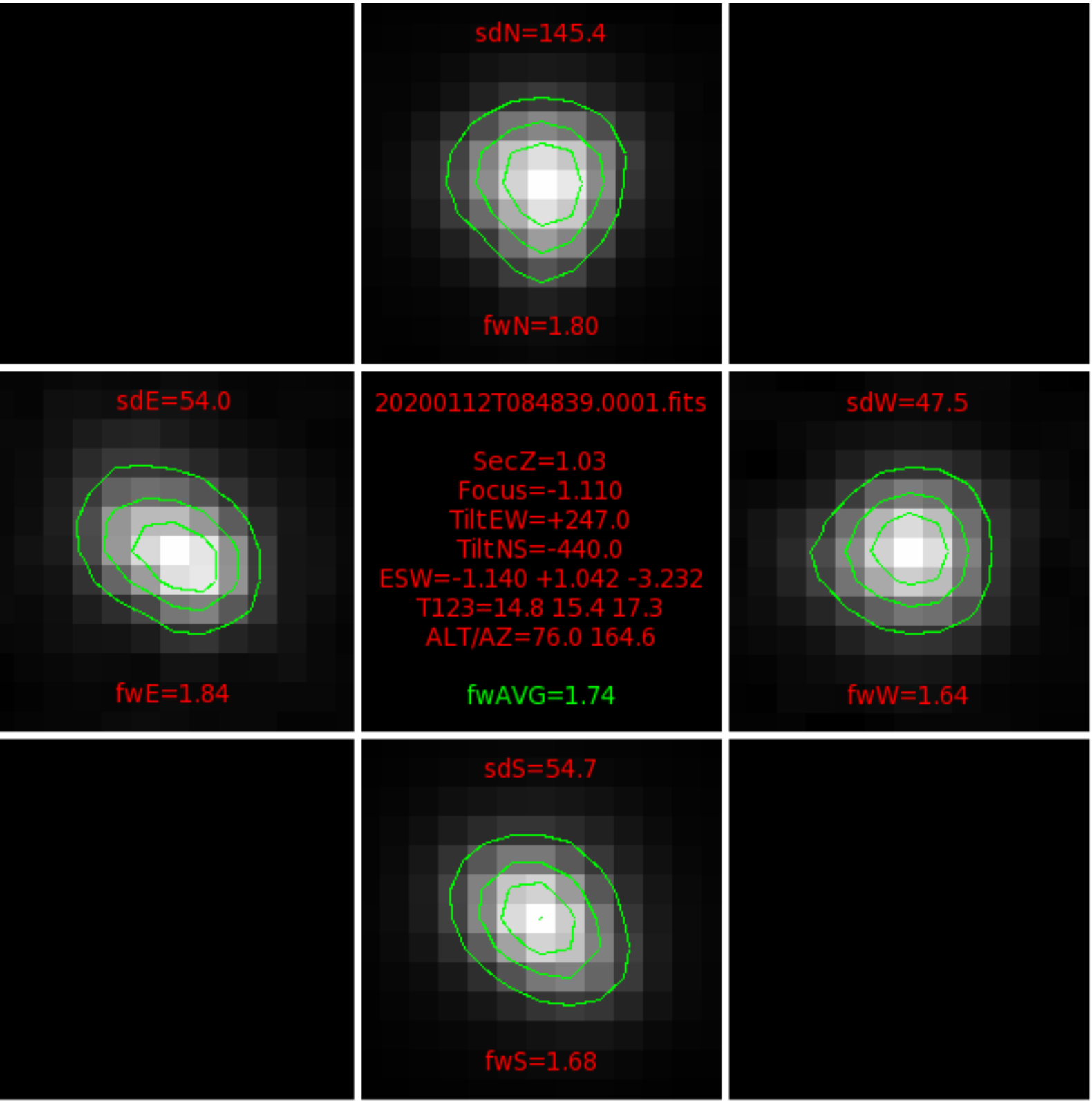
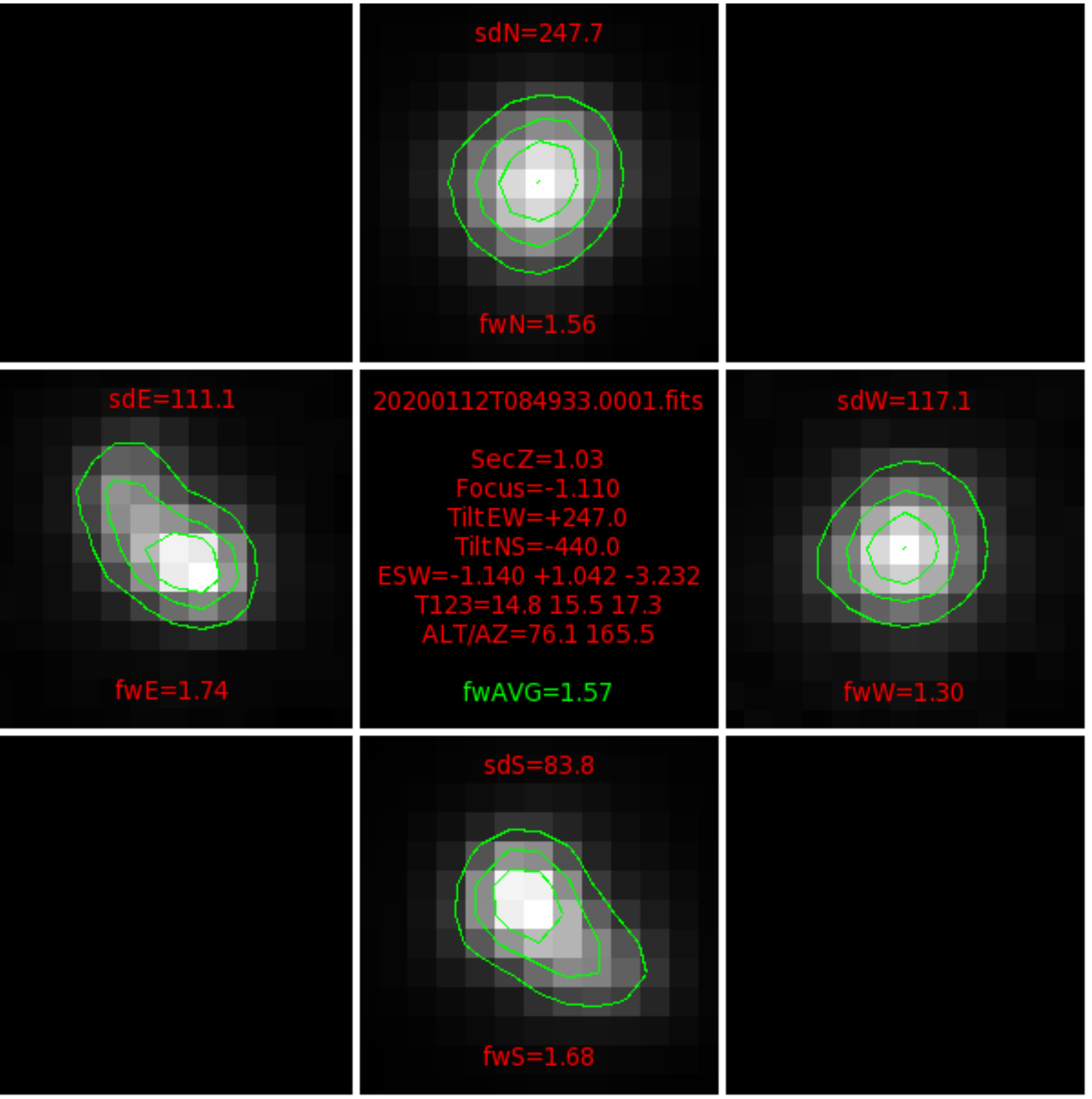

sdN=145.4
fwN=1.80
sdE=54.0
fwE=1.84
20200112T084839.0001.fits
SecZ=1.03
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.8 15.4 17.3
ALT/AZ=76.0 164.6
fwAVG=1.74
sdW=47.5
fwW=1.64
sdS=54.7
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=247.7
fwN=1.56
sdE=111.1
fwE=1.74
20200112T084933.0001.fits
SecZ=1.03
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.8 15.5 17.3
ALT/AZ=76.1 165.5
fwAVG=1.57
sdW=117.1
fwW=1.30
sdS=83.8
fwS=1.68
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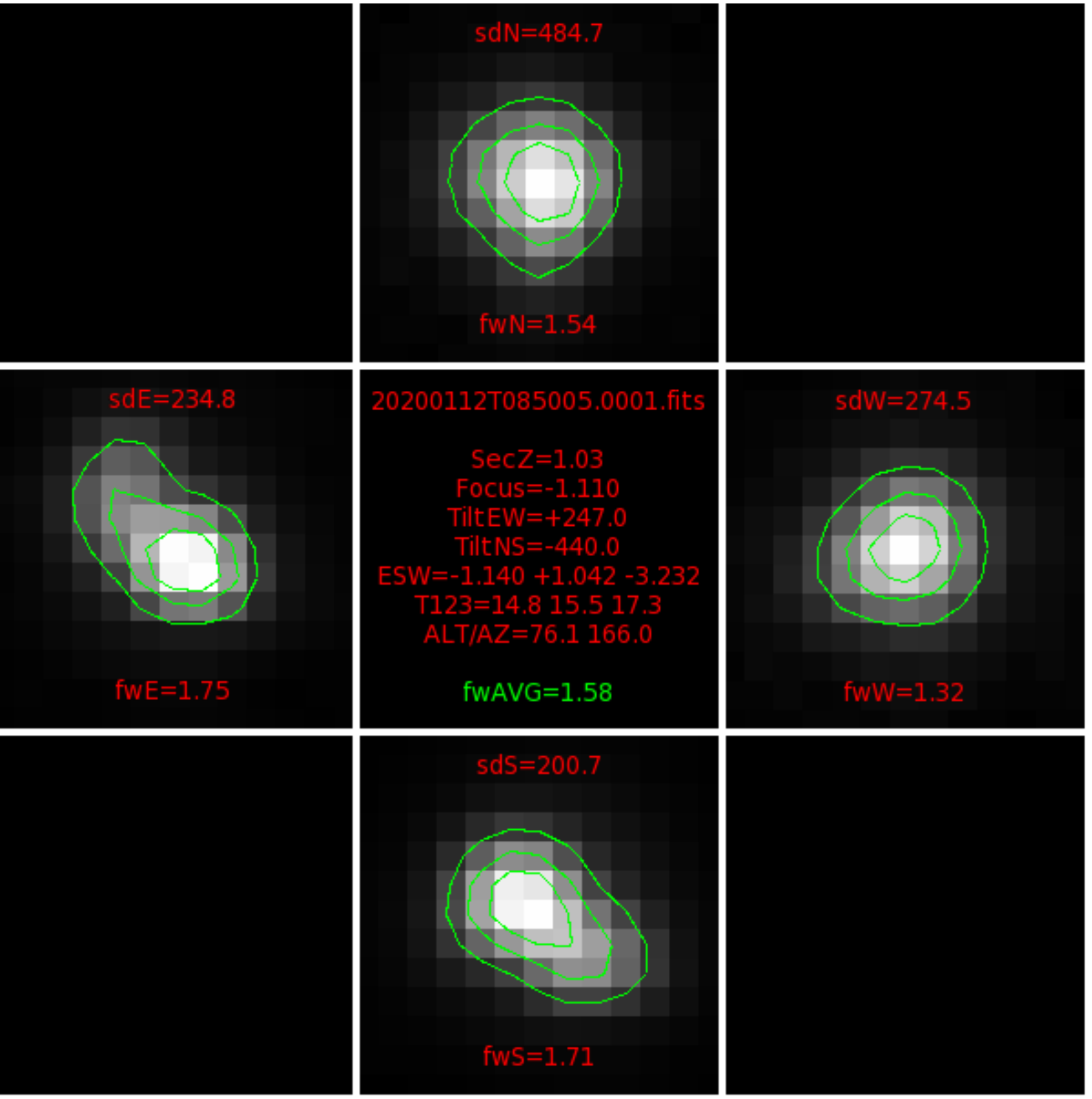
sdN=484.7
fwN=1.54
sdE=234.8
fwE=1.75
20200112T085005.0001.fits
SecZ=1.03
Focus=-1.110
TiltEW=+247.0
TiltNS=-440.0
ESW=-1.140 +1.042 -3.232
T123=14.8 15.5 17.3
ALT/AZ=76.1 166.0
fwAVG=1.58
sdW=274.5
fwW=1.32
sdS=200.7
fwS=1.71
0 0 0 0 0 0 0 0 0