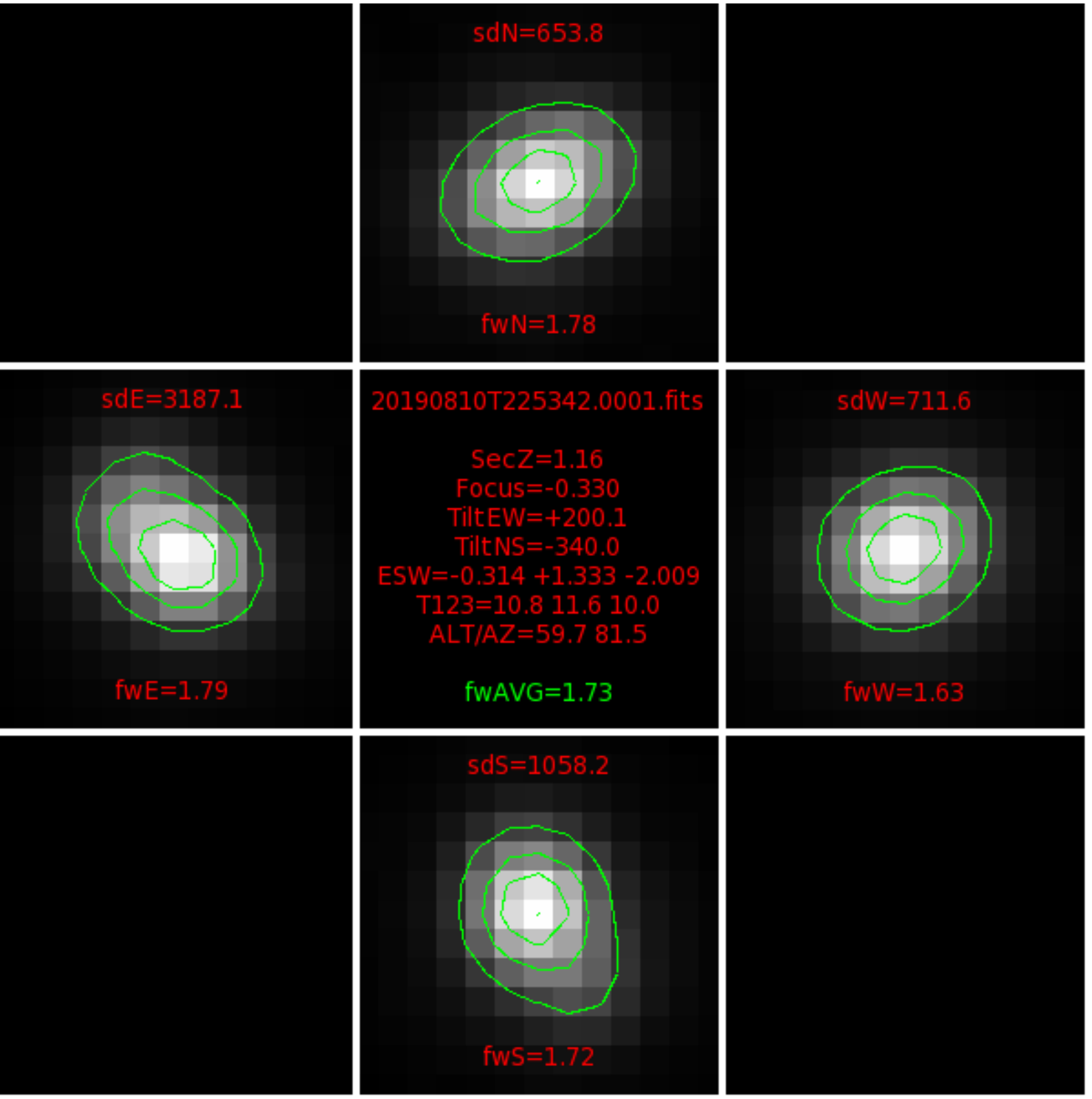
sdN=653.8
fwN=1.78
sdE=3187.1
fwE=1.79
20190810T225342.0001.fits
SecZ=1.16
Focus=-0.330
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.314 +1.333 -2.009
T123=10.8 11.6 10.0
ALT/AZ=59.7 81.5
fwAVG=1.73
sdW=711.6
fwW=1.63
sdS=1058.2
fwS=1.72
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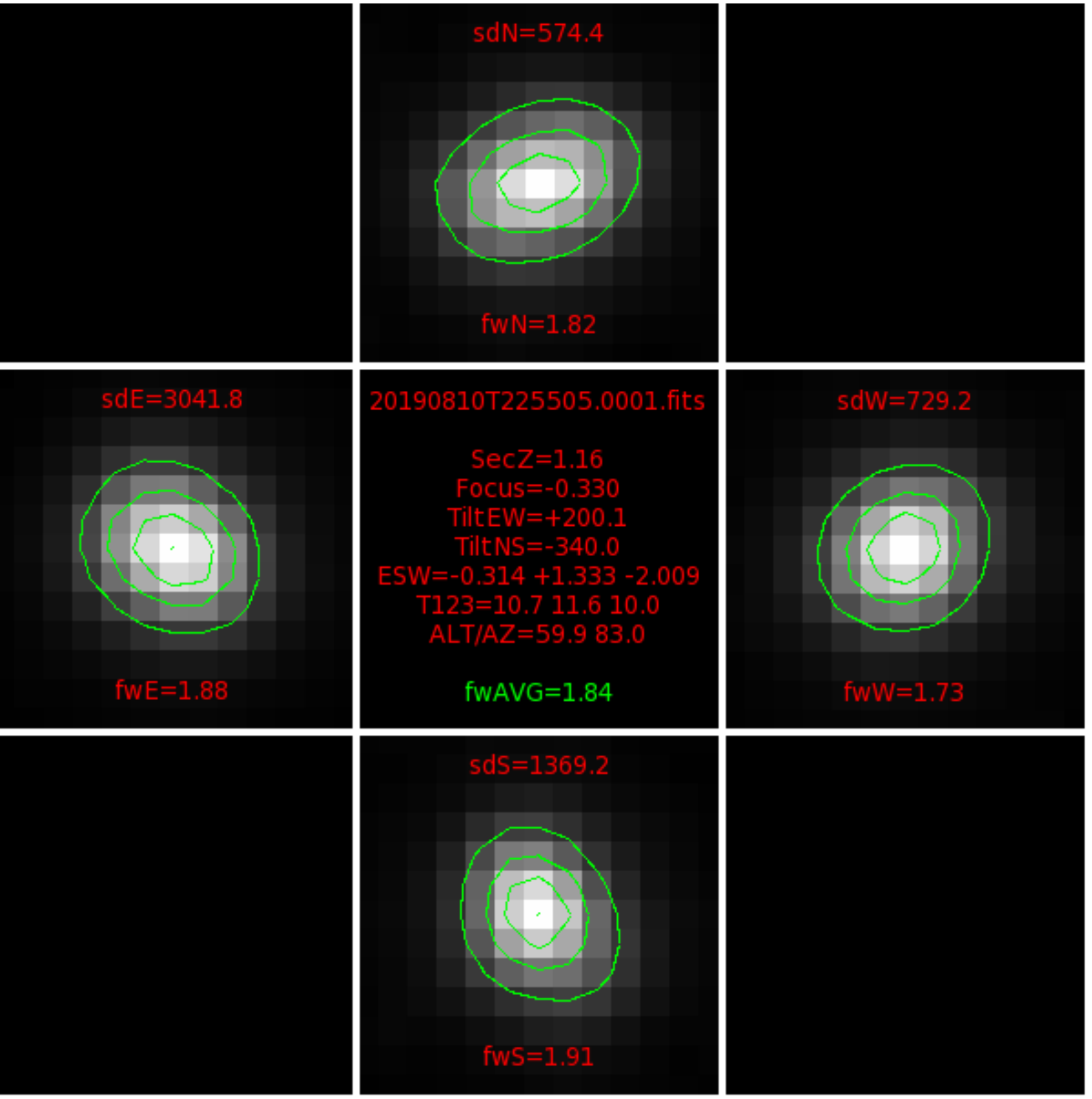
sdN=574.4
fwN=1.82
sdE=3041.8
fwE=1.88
20190810T225505.0001.fits
SecZ=1.16
Focus=-0.330
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.314 +1.333 -2.009
T123=10.7 11.6 10.0
ALT/AZ=59.9 83.0
fwAVG=1.84
sdW=729.2
fwW=1.73
sdS=1369.2
fwS=1.91
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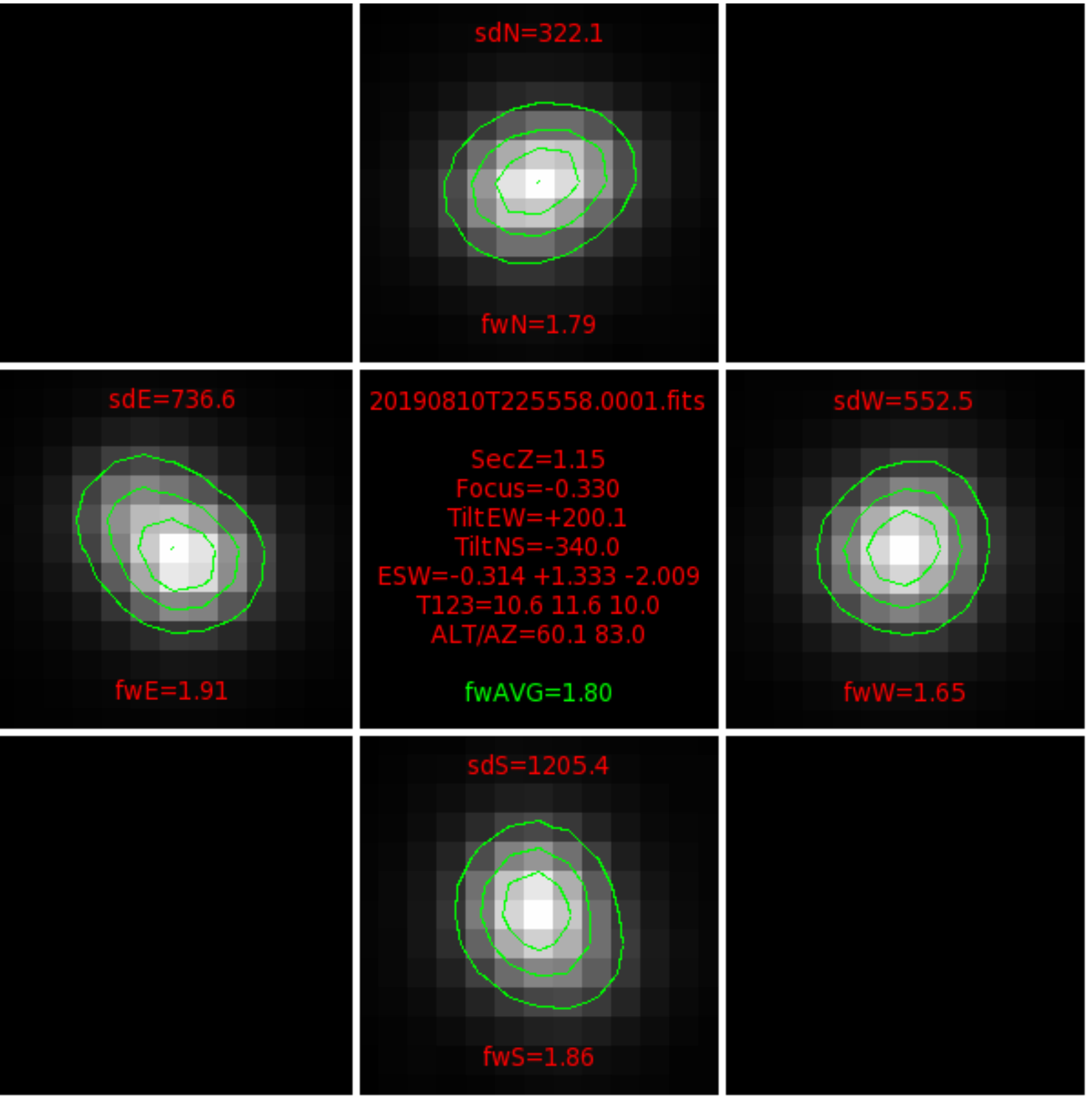
sdN=322.1
fwN=1.79
sdE=736.6
fwE=1.91
20190810T225558.0001.fits
SecZ=1.15
Focus=-0.330
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.314 +1.333 -2.009
T123=10.6 11.6 10.0
ALT/AZ=60.1 83.0
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sdW=552.5
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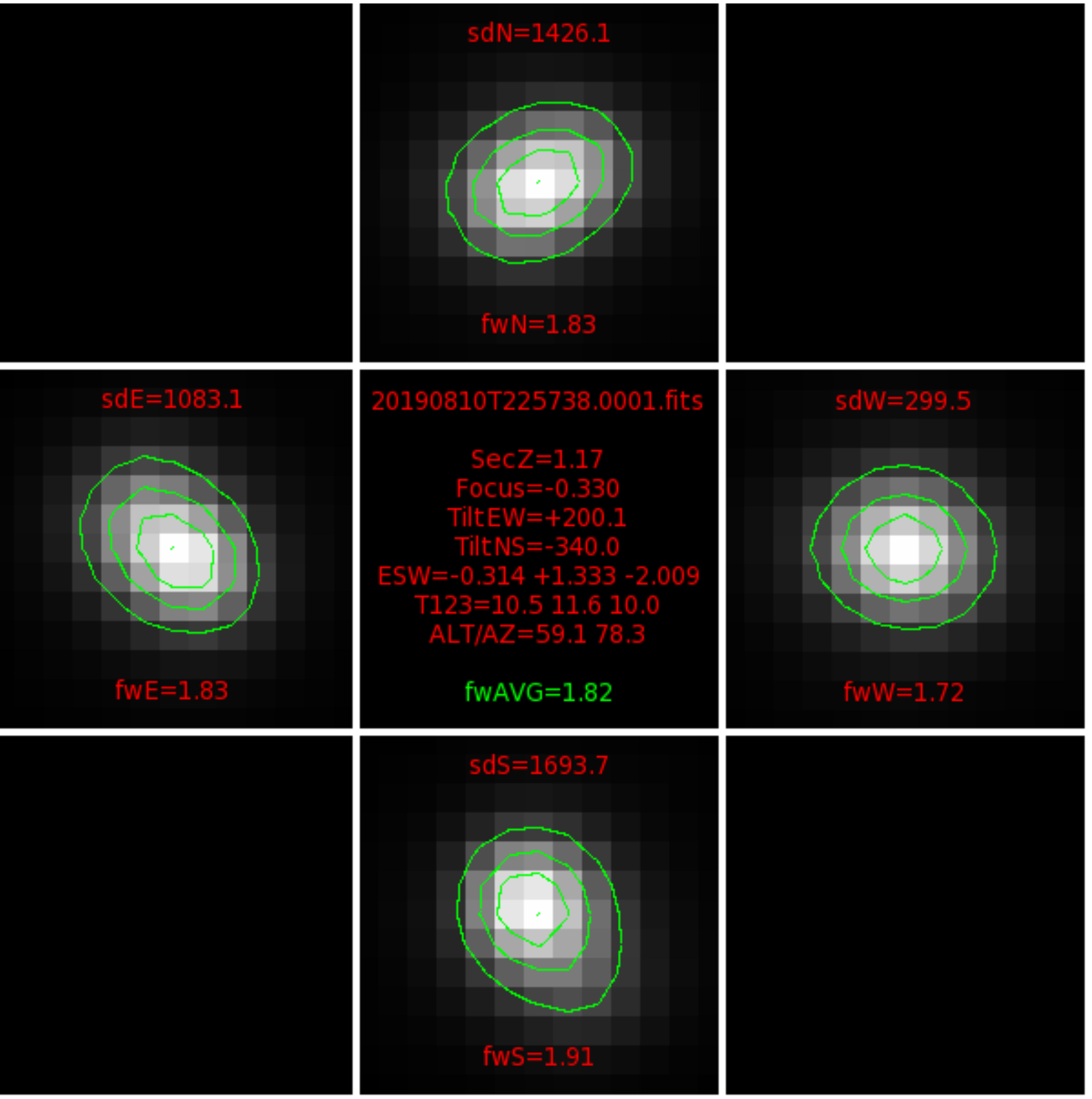
sdN=1426.1
fwN=1.83
sdE=1083.1
fwE=1.83
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SecZ=1.17
Focus=-0.330
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.314 +1.333 -2.009
T123=10.5 11.6 10.0
ALT/AZ=59.1 78.3
fwAVG=1.82
sdW=299.5
fwW=1.72
sdS=1693.7
fwS=1.91
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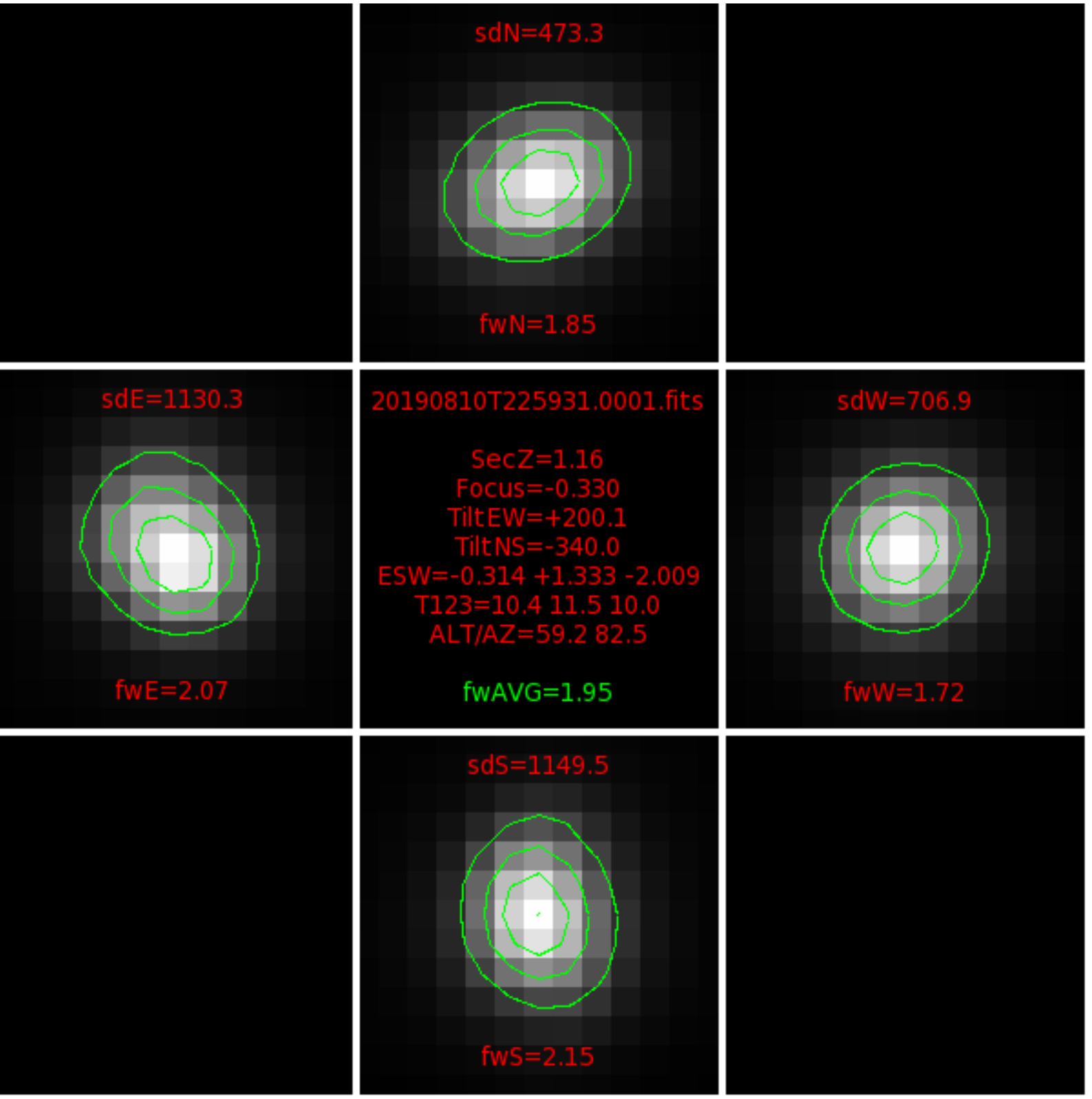
sdN=473.3
fwN=1.85
sdE=1130.3
fwE=2.07
20190810T225931.0001.fits
SecZ=1.16
Focus=-0.330
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.314 +1.333 -2.009
T123=10.4 11.5 10.0
ALT/AZ=59.2 82.5
fwAVG=1.95
sdW=706.9
fwW=1.72
sdS=1149.5
fwS=2.15
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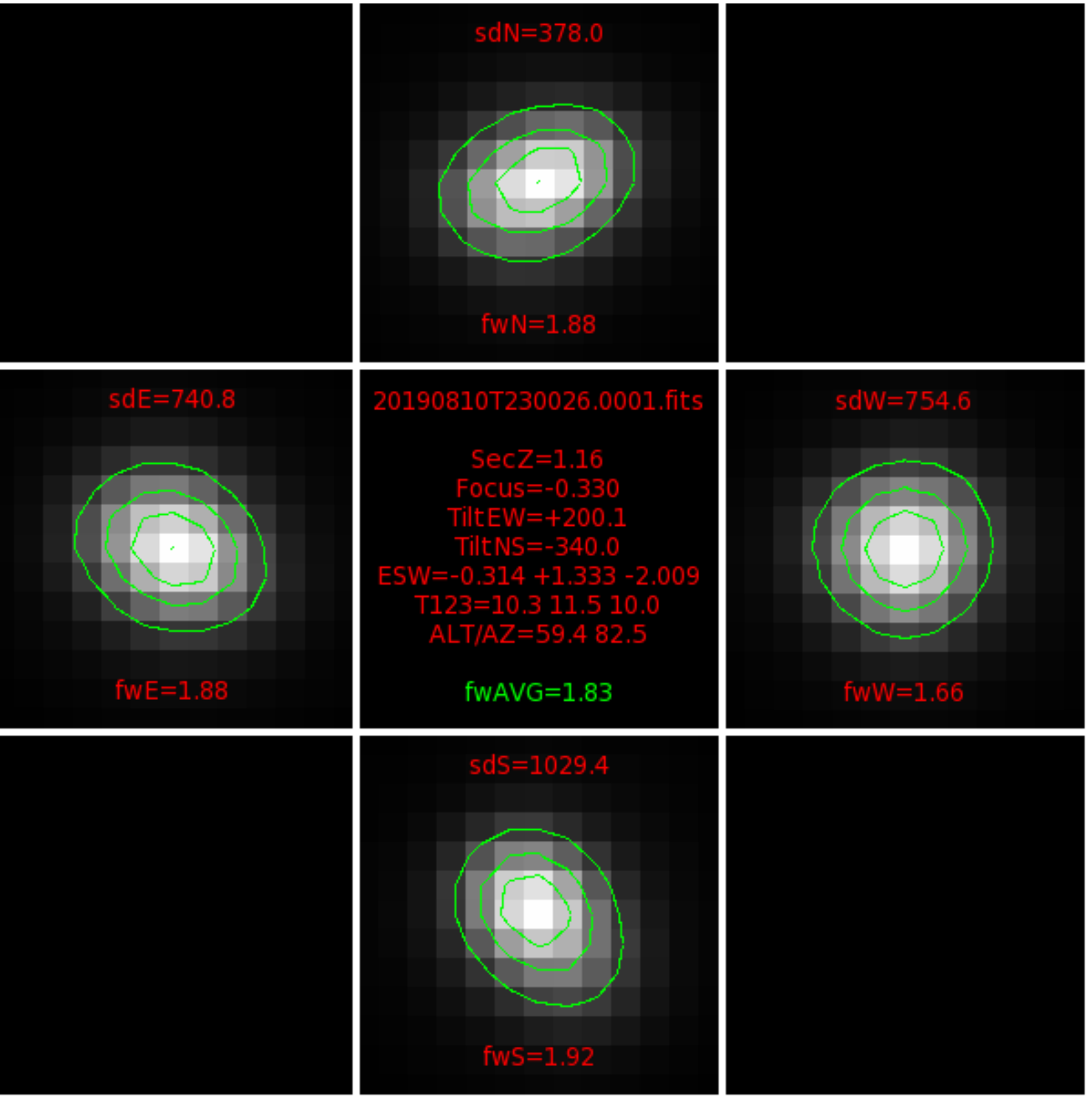
sdN=378.0
fwN=1.88
sdE=740.8
fwE=1.88
20190810T230026.0001.fits
SecZ=1.16
Focus=-0.330
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.314 +1.333 -2.009
T123=10.3 11.5 10.0
ALT/AZ=59.4 82.5
fwAVG=1.83
sdW=754.6
fwW=1.66
sdS=1029.4
fwS=1.92
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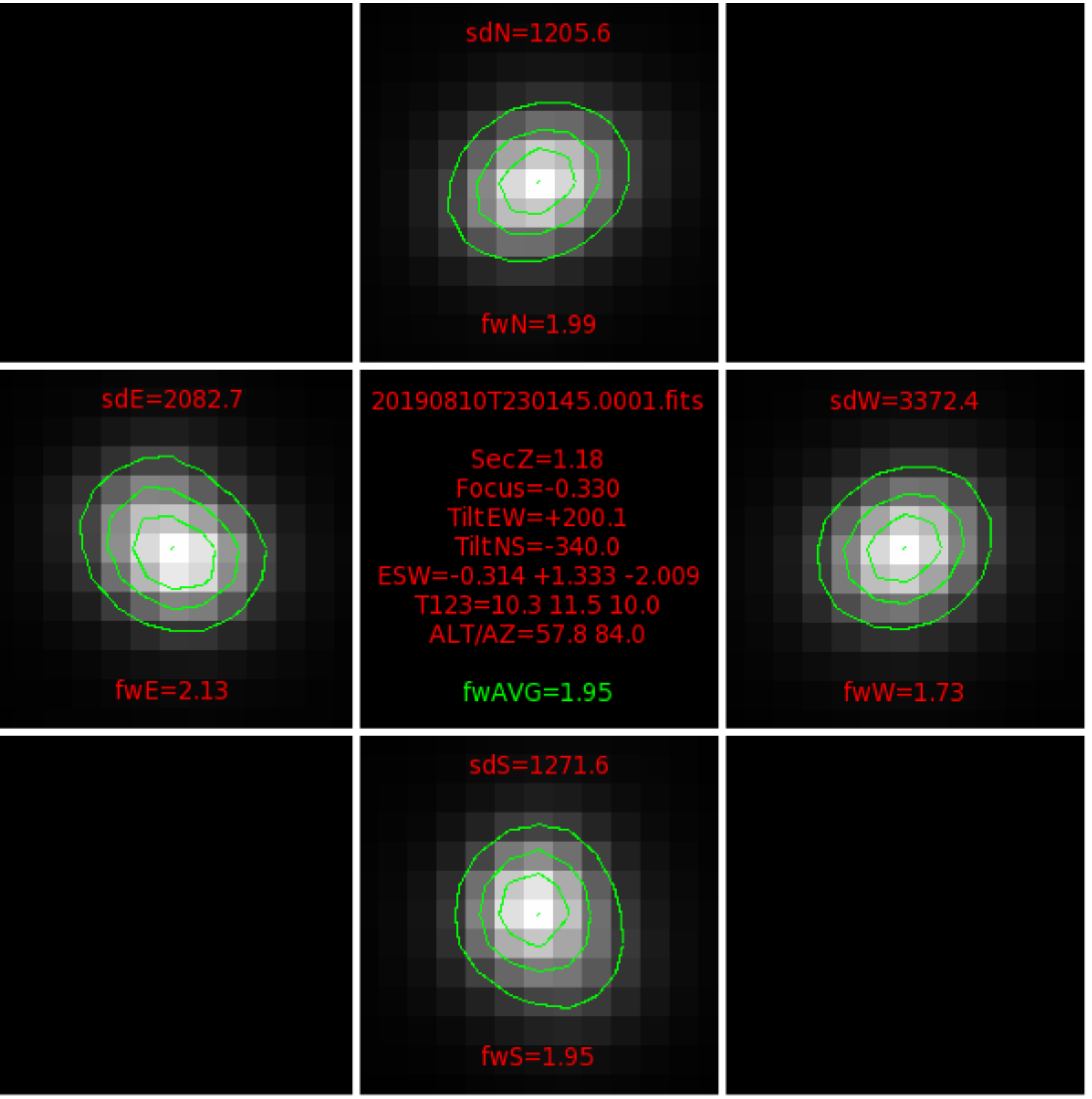
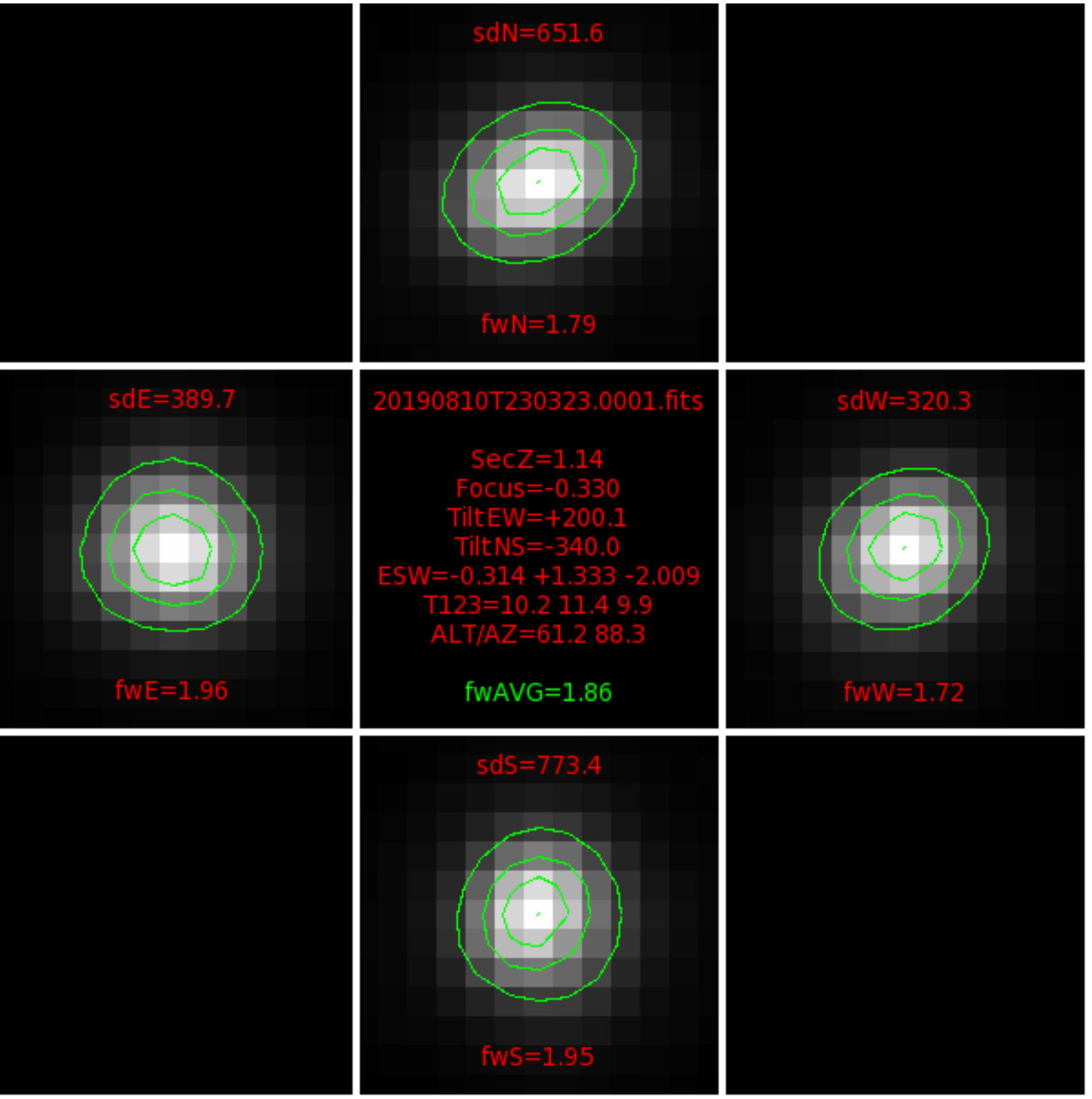

sdN=1205.6
fwN=1.99
sdE=2082.7
fwE=2.13
20190810T230145.0001.fits
SecZ=1.18
Focus=-0.330
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.314 +1.333 -2.009
T123=10.3 11.5 10.0
ALT/AZ=57.8 84.0
fwAVG=1.95
sdW=3372.4
fwW=1.73
sdS=1271.6
fwS=1.95
0 0 0 0 0 0 0 0 0


sdN=651.6
fwN=1.79
sdE=389.7
fwE=1.96
20190810T230323.0001.fits
SecZ=1.14
Focus=-0.330
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.314 +1.333 -2.009
T123=10.2 11.4 9.9
ALT/AZ=61.2 88.3
fwAVG=1.86
sdW=320.3
fwW=1.72
sdS=773.4
fwS=1.95
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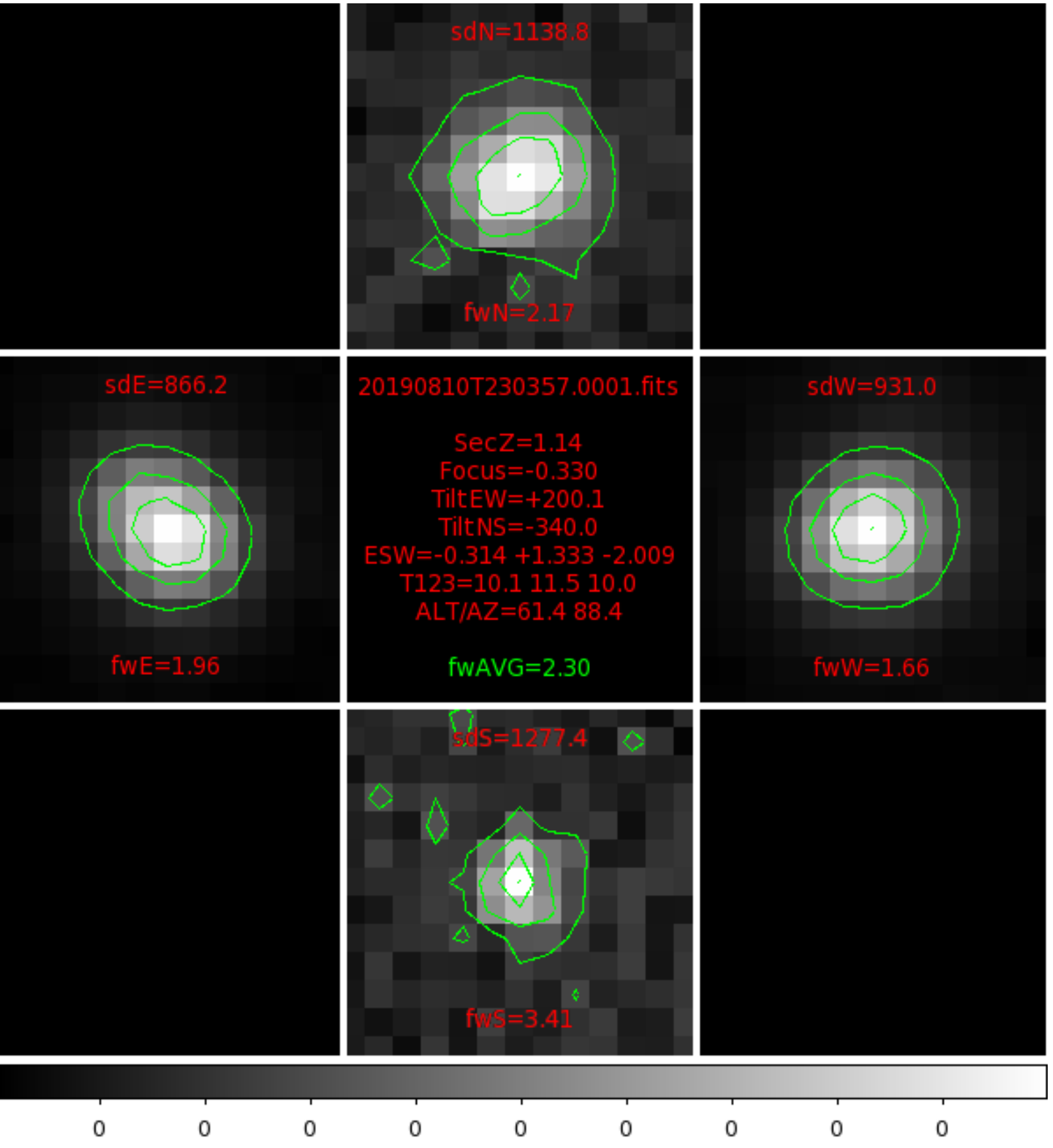
sdN=1138.8
fwN=2.17
sdE=866.2
fwE=1.96
20190810T230357.0001.fits
SecZ=1.14
Focus=-0.330
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.314 +1.333 -2.009
T123=10.1 11.5 10.0
ALT/AZ=61.4 88.4
fwAVG=2.30
sdW=931.0
fwW=1.66
sdS=1277.4
fwS=3.41
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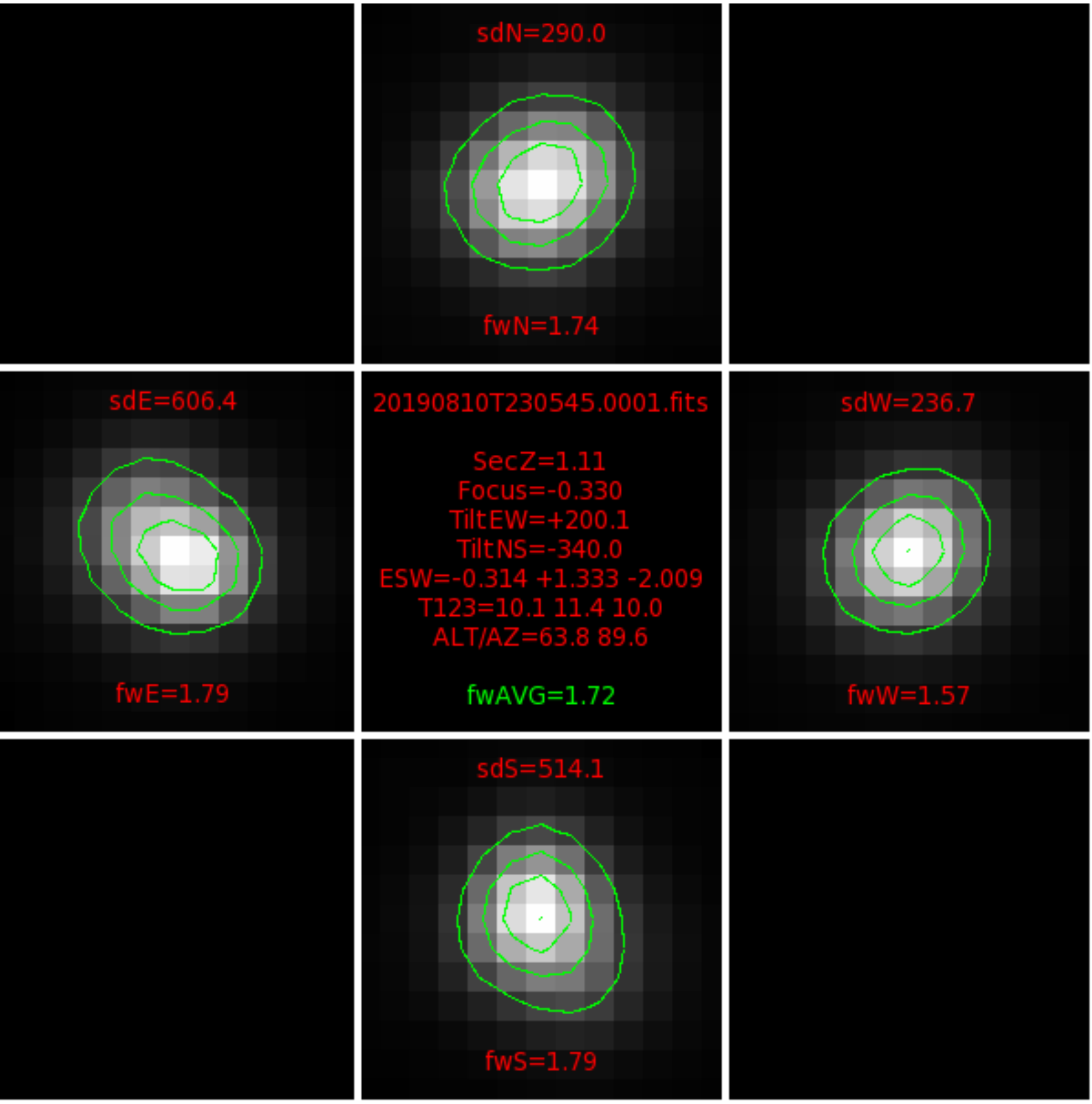
sdN=290.0
fwN=1.74
sdE=606.4
fwE=1.79
20190810T230545.0001.fits
SecZ=1.11
Focus=-0.330
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.314 +1.333 -2.009
T123=10.1 11.4 10.0
ALT/AZ=63.8 89.6
fwAVG=1.72
sdW=236.7
fwW=1.57
sdS=514.1
fwS=1.79
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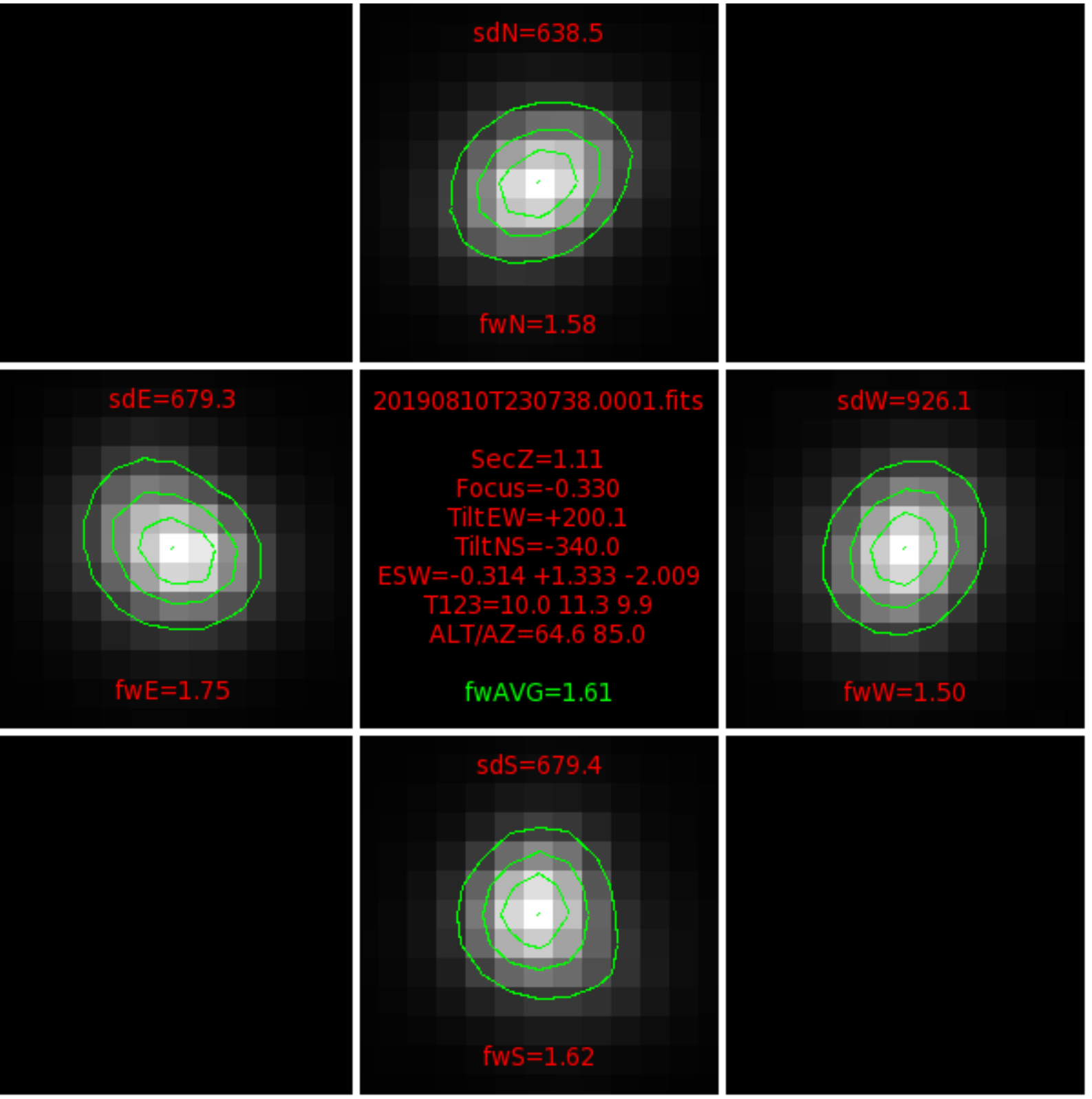
sdN=638.5
fwN=1.58
sdE=679.3
fwE=1.75
20190810T230738.0001.fits
SecZ=1.11
Focus=-0.330
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.314 +1.333 -2.009
T123=10.0 11.3 9.9
ALT/AZ=64.6 85.0
fwAVG=1.61
sdW=926.1
fwW=1.50
sdS=679.4
fwS=1.62
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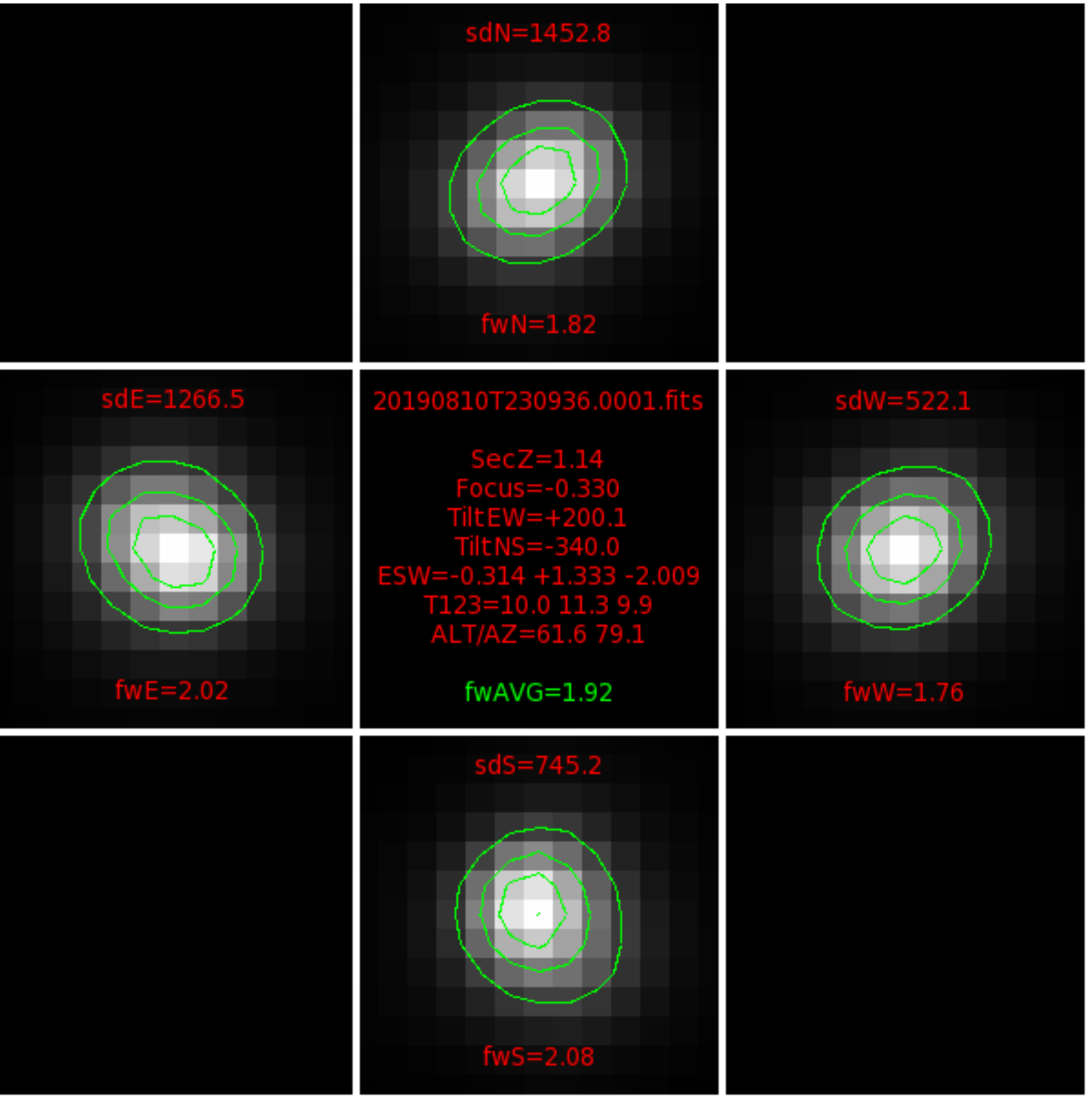
sdN=1452.8
fwN=1.82
sdE=1266.5
fwE=2.02
20190810T230936.0001.fits
SecZ=1.14
Focus=-0.330
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.314 +1.333 -2.009
T123=10.0 11.3 9.9
ALT/AZ=61.6 79.1
fwAVG=1.92
sdW=522.1
fwW=1.76
sdS=745.2
fwS=2.08
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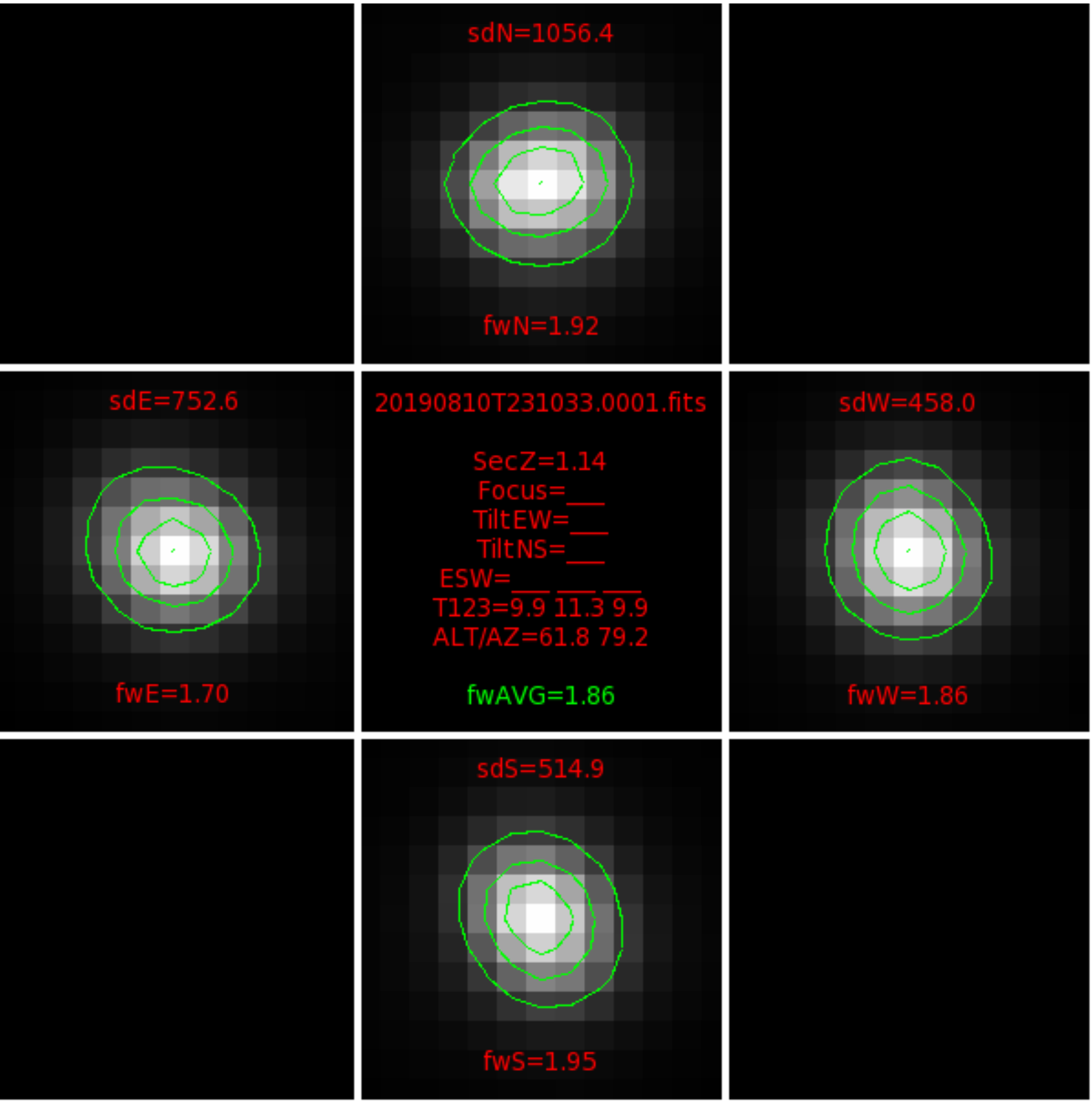
sdN=1056.4
fwN=1.92
sdE=752.6
fwE=1.70
20190810T231033.0001.fits
SecZ=1.14
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=9.9 11.3 9.9
ALT/AZ=61.8 79.2
fwAVG=1.86
sdW=458.0
fwW=1.86
sdS=514.9
fwS=1.95
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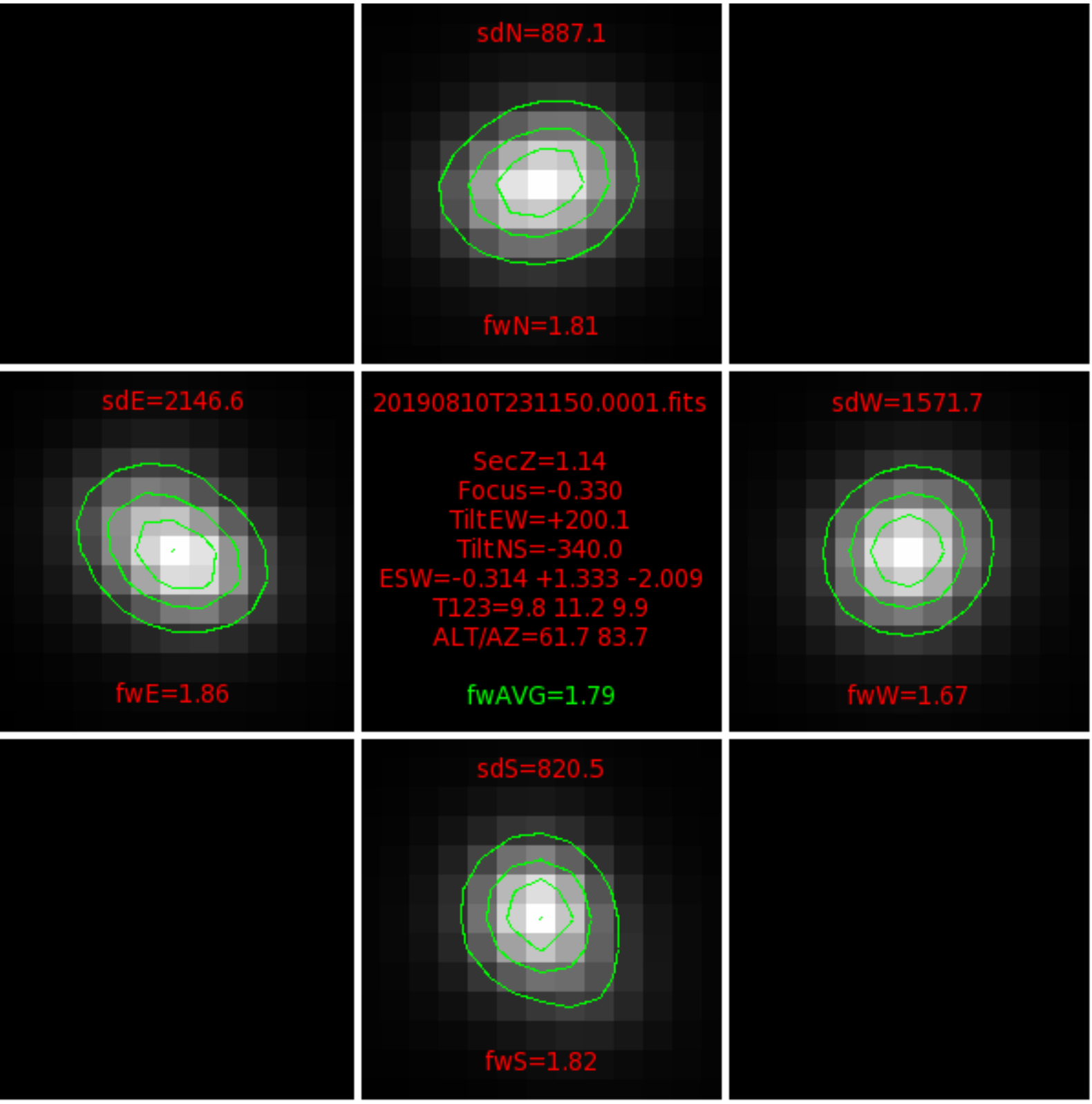
sdN=887.1
fwN=1.81
sdE=2146.6
fwE=1.86
20190810T231150.0001.fits
SecZ=1.14
Focus=-0.330
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.314 +1.333 -2.009
T123=9.8 11.2 9.9
ALT/AZ=61.7 83.7
fwAVG=1.79
sdW=1571.7
fwW=1.67
sdS=820.5
fwS=1.82
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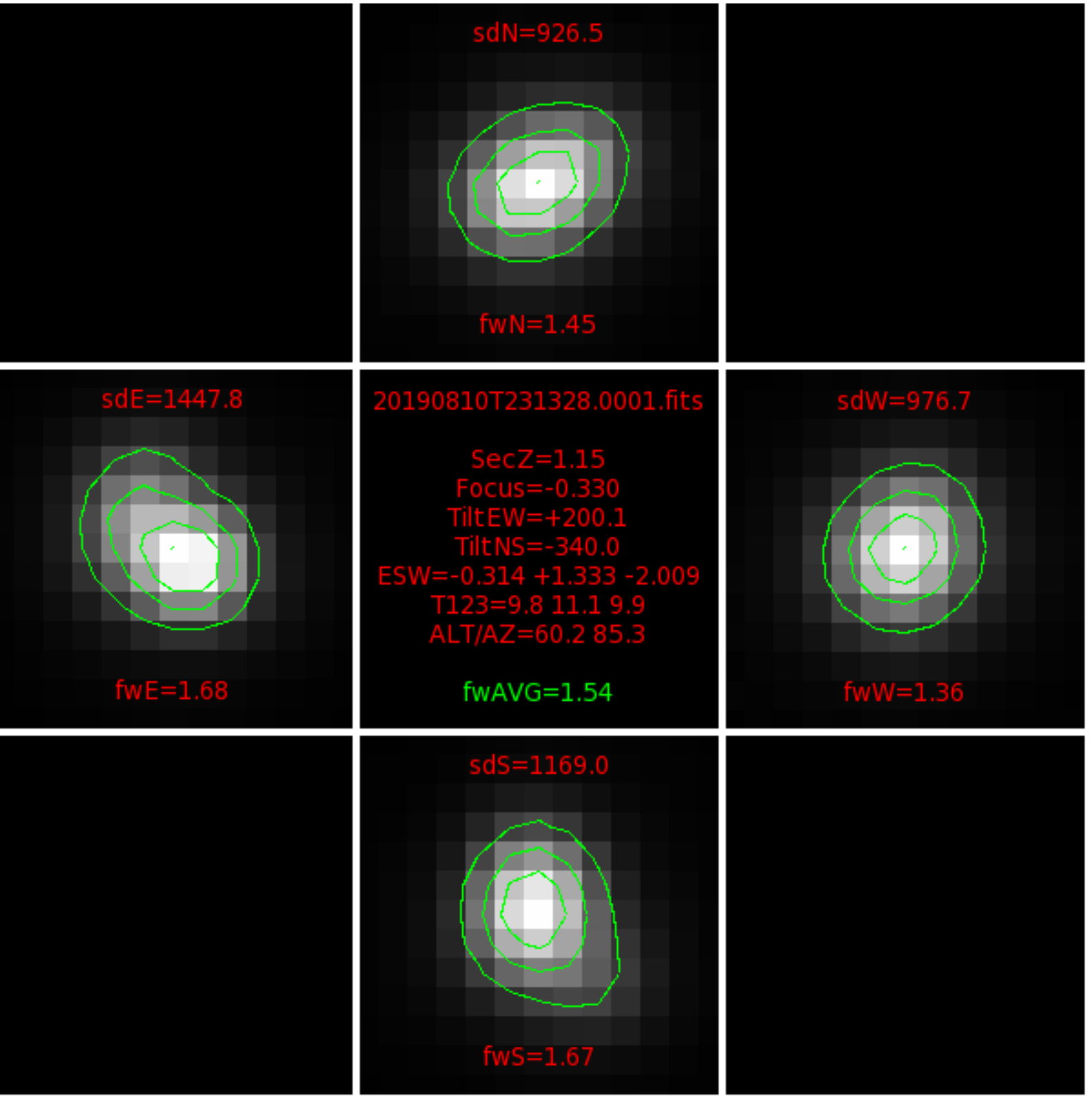
sdN=926.5
fwN=1.45
sdE=1447.8
fwE=1.68
20190810T231328.0001.fits
SecZ=1.15
Focus=-0.330
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.314 +1.333 -2.009
T123=9.8 11.1 9.9
ALT/AZ=60.2 85.3
fwAVG=1.54
sdW=976.7
fwW=1.36
sdS=1169.0
fwS=1.67
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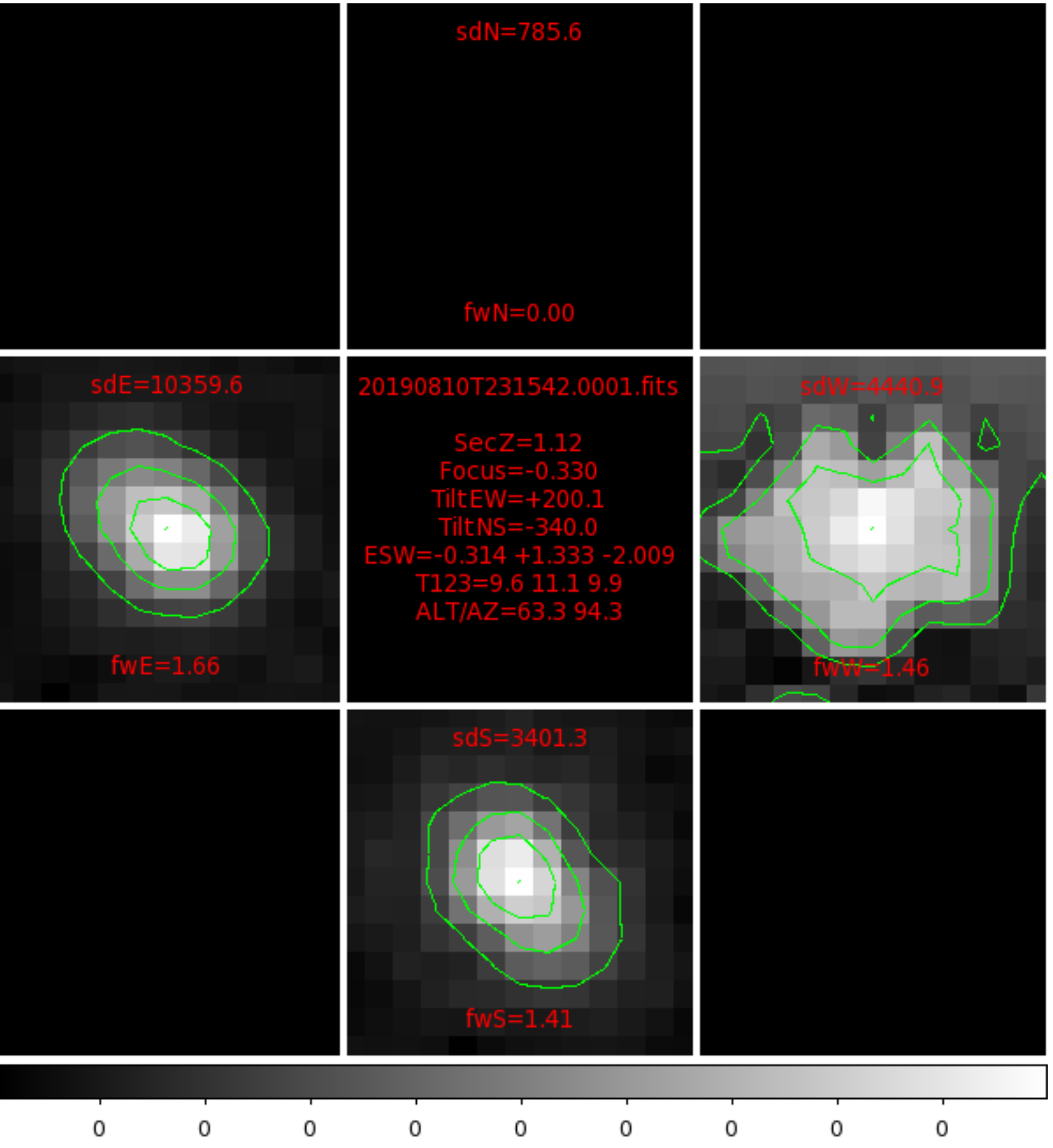
sdN=785.6
fwN=0.00
sdE=10359.6
fwE=1.66
20190810T231542.0001.fits
SecZ=1.12
Focus=-0.330
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.314 +1.333 -2.009
T123=9.6 11.1 9.9
ALT/AZ=63.3 94.3
sdW=4440.9
fwW=1.46
sdS=3401.3
fwS=1.41
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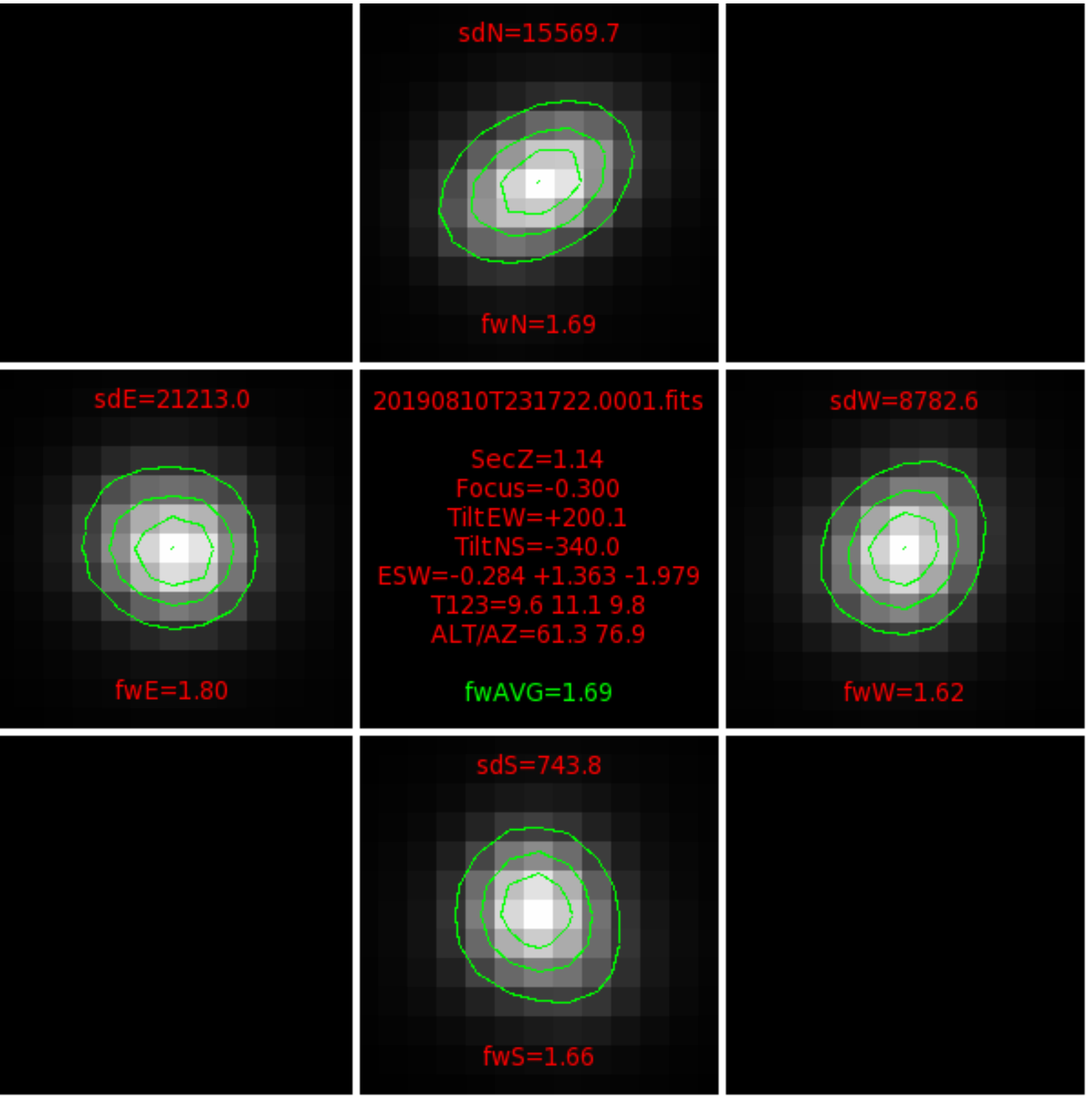
sdN=15569.7
fwN=1.69
sdE=21213.0
fwE=1.80
20190810T231722.0001.fits
SecZ=1.14
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=9.6 11.1 9.8
ALT/AZ=61.3 76.9
fwAVG=1.69
sdW=8782.6
fwW=1.62
sdS=743.8
fwS=1.66
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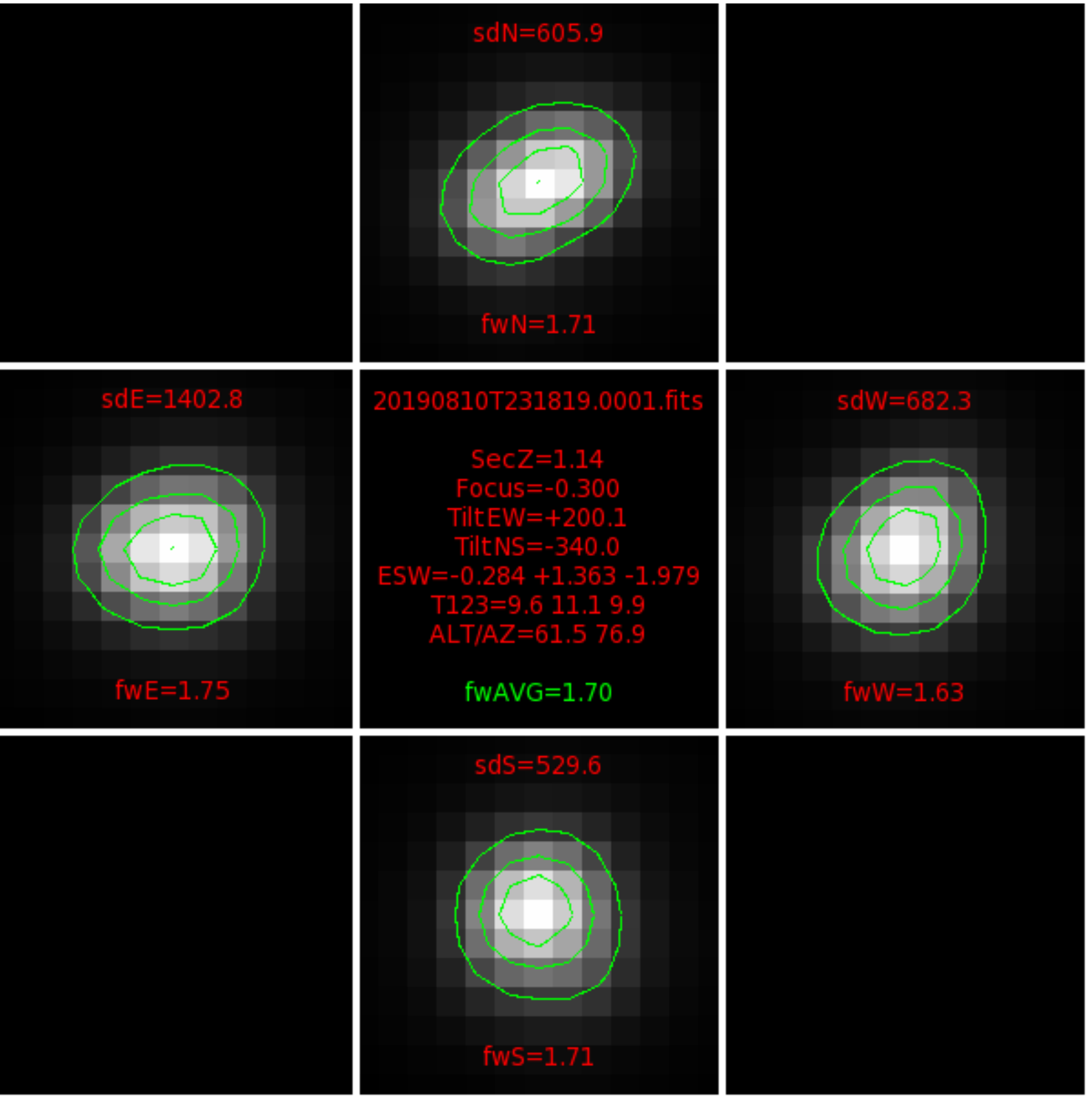
sdN=605.9
fwN=1.71
sdE=1402.8
fwE=1.75
20190810T231819.0001.fits
SecZ=1.14
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=9.6 11.1 9.9
ALT/AZ=61.5 76.9
fwAVG=1.70
sdW=682.3
fwW=1.63
sdS=529.6
fwS=1.71
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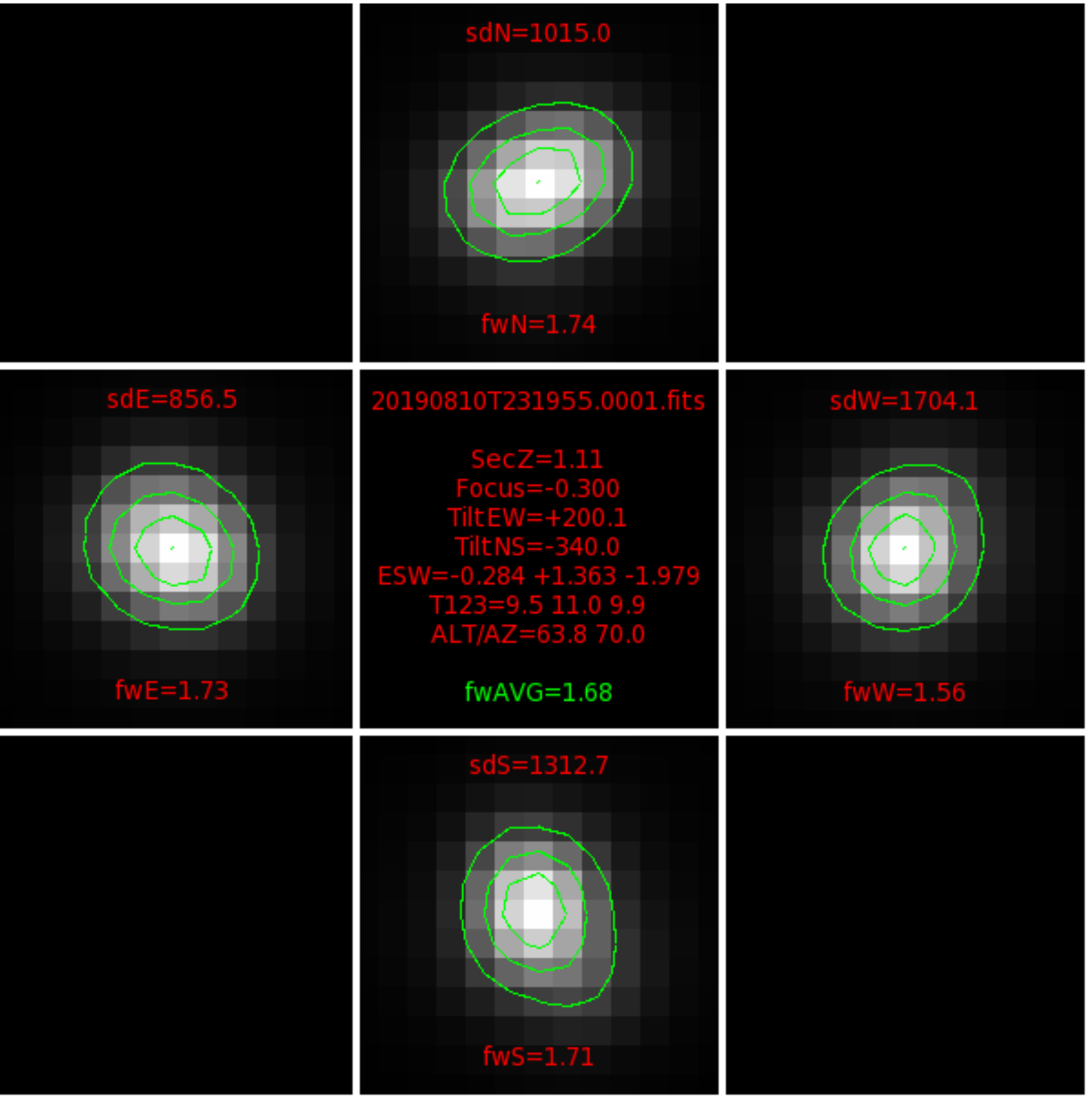
sdN=1015.0
fwN=1.74
sdE=856.5
fwE=1.73
20190810T231955.0001.fits
SecZ=1.11
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=9.5 11.0 9.9
ALT/AZ=63.8 70.0
fwAVG=1.68
sdW=1704.1
fwW=1.56
sdS=1312.7
fwS=1.71
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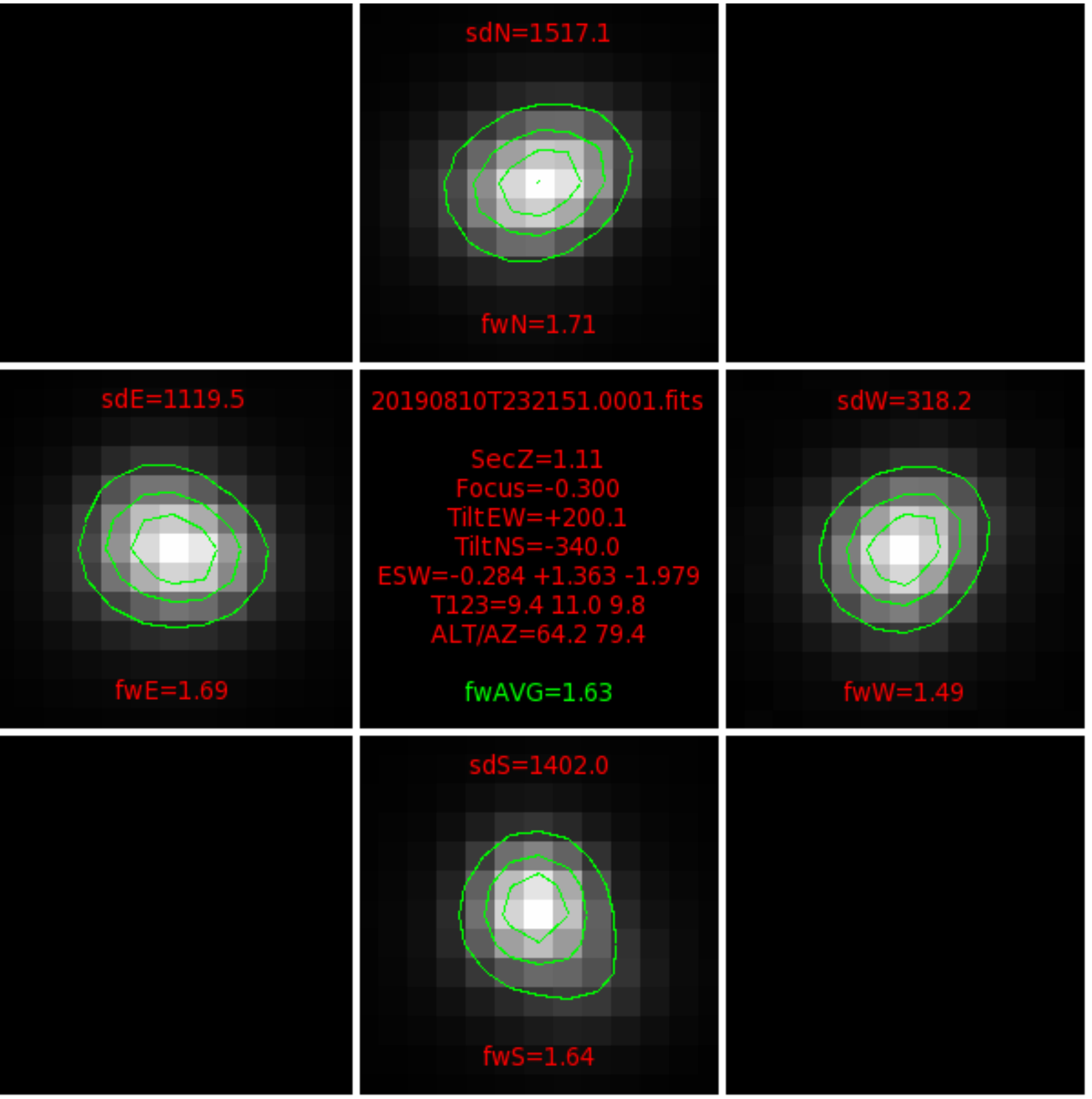
sdN=1517.1
fwN=1.71
sdE=1119.5
fwE=1.69
20190810T232151.0001.fits
SecZ=1.11
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=9.4 11.0 9.8
ALT/AZ=64.2 79.4
fwAVG=1.63
sdW=318.2
fwW=1.49
sdS=1402.0
fwS=1.64
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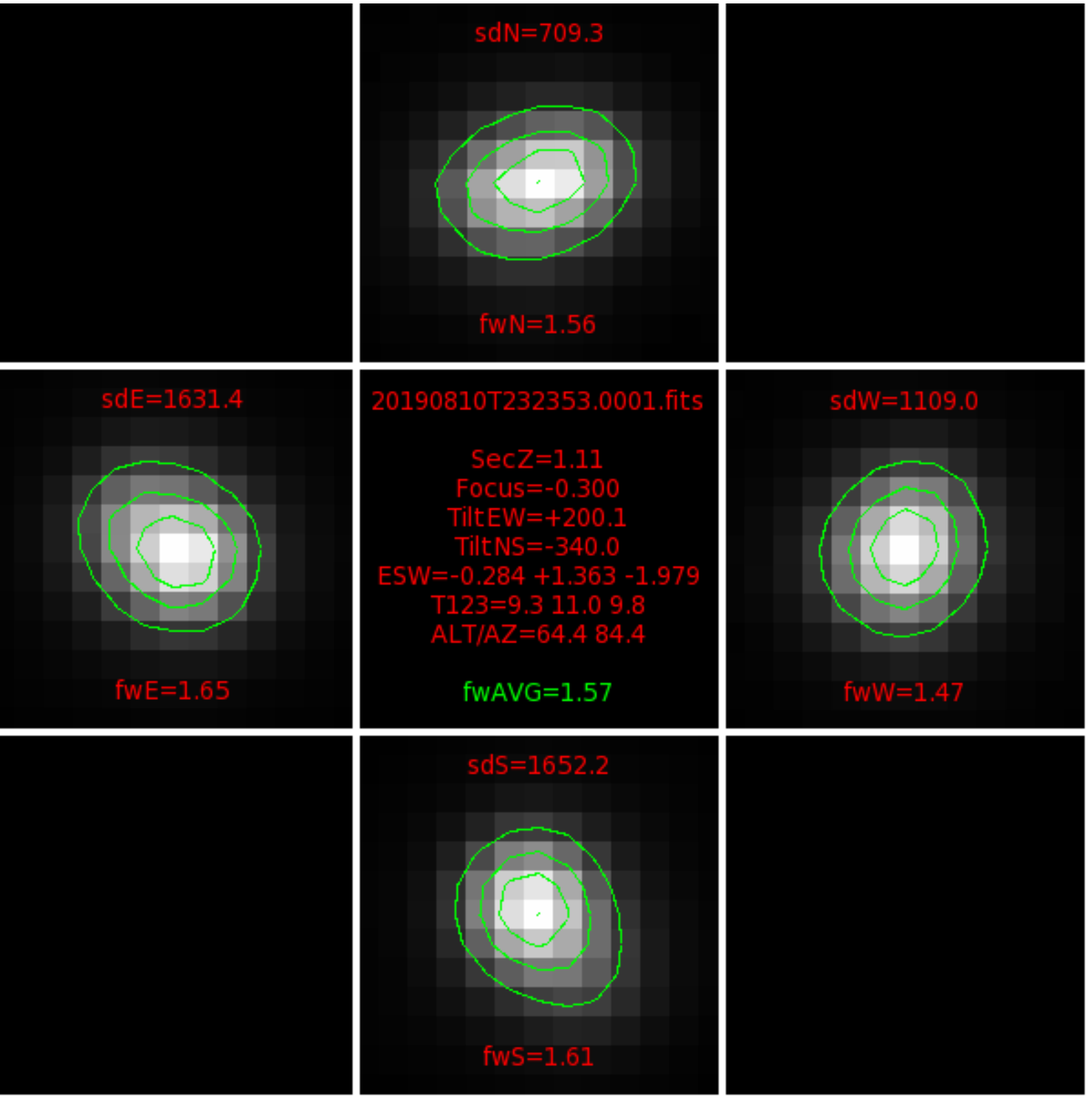
sdN=709.3
fwN=1.56
sdE=1631.4
fwE=1.65
20190810T232353.0001.fits
SecZ=1.11
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=9.3 11.0 9.8
ALT/AZ=64.4 84.4
fwAVG=1.57
sdW=1109.0
fwW=1.47
sdS=1652.2
fwS=1.61
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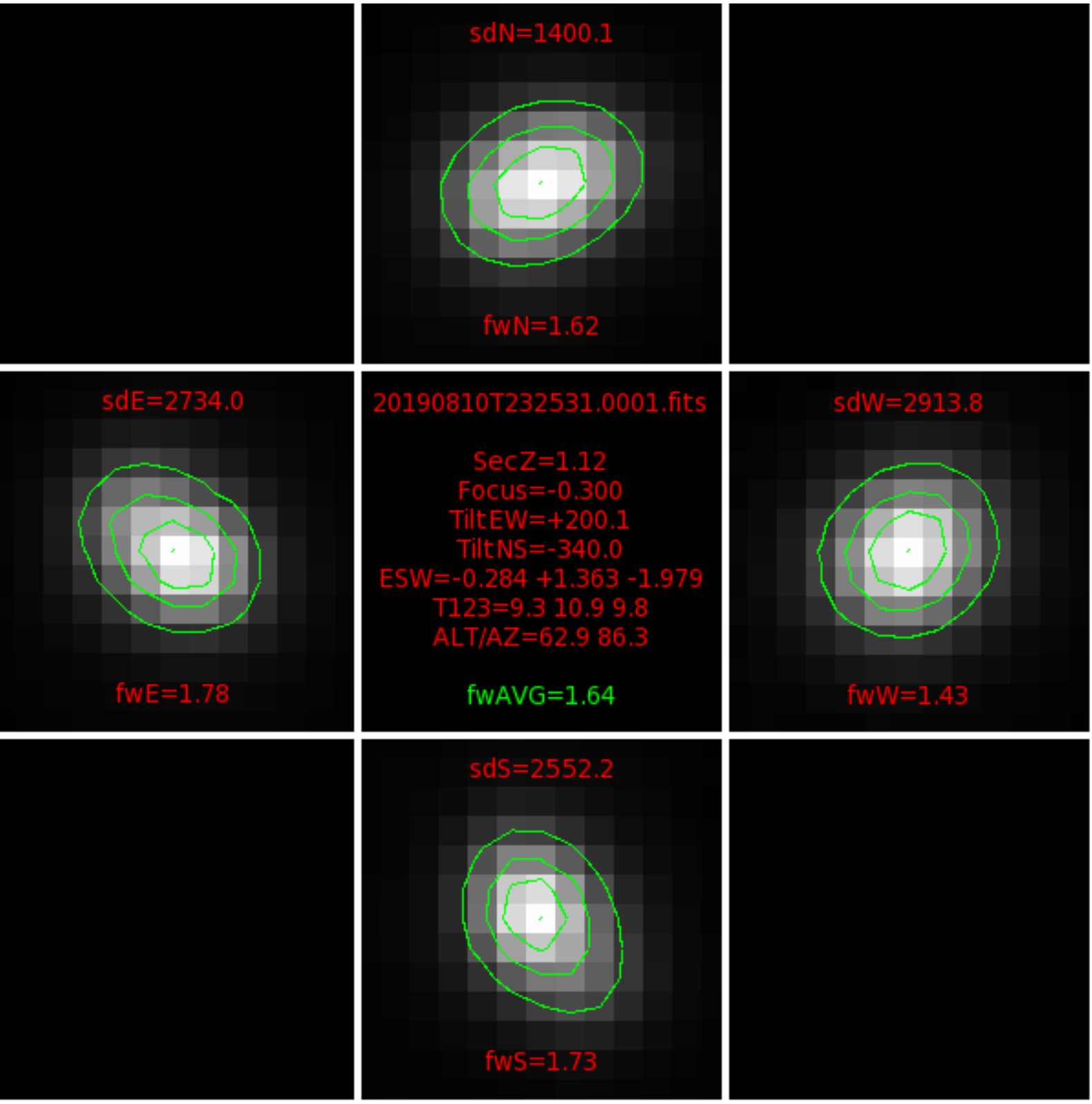
sdN=1400.1
fwN=1.62
sdE=2734.0
fwE=1.78
20190810T232531.0001.fits
SecZ=1.12
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=9.3 10.9 9.8
ALT/AZ=62.9 86.3
fwAVG=1.64
sdW=2913.8
fwW=1.43
sdS=2552.2
fwS=1.73
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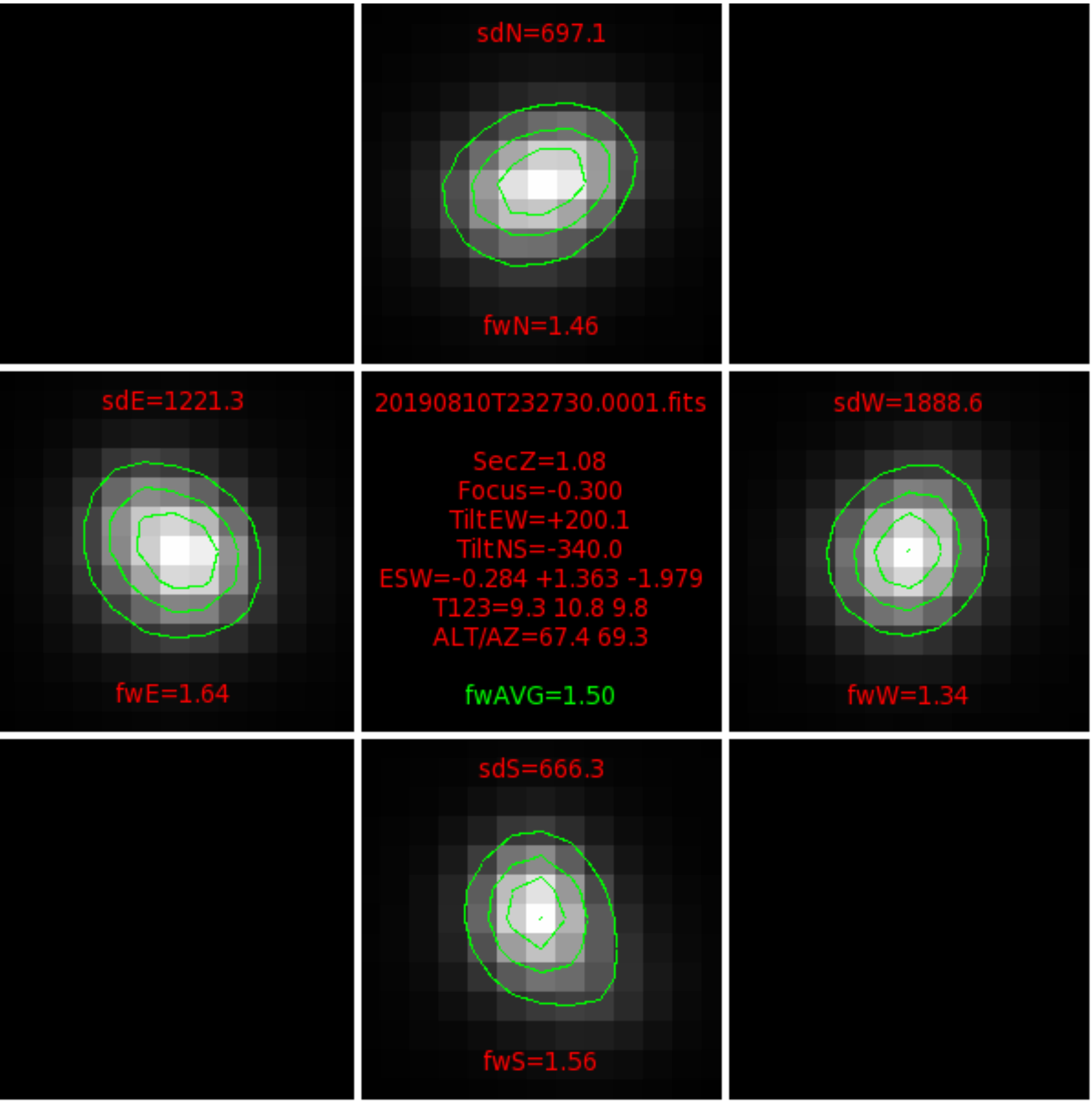
sdN=697.1
fwN=1.46
sdE=1221.3
fwE=1.64
20190810T232730.0001.fits
SecZ=1.08
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=9.3 10.8 9.8
ALT/AZ=67.4 69.3
fwAVG=1.50
sdW=1888.6
fwW=1.34
sdS=666.3
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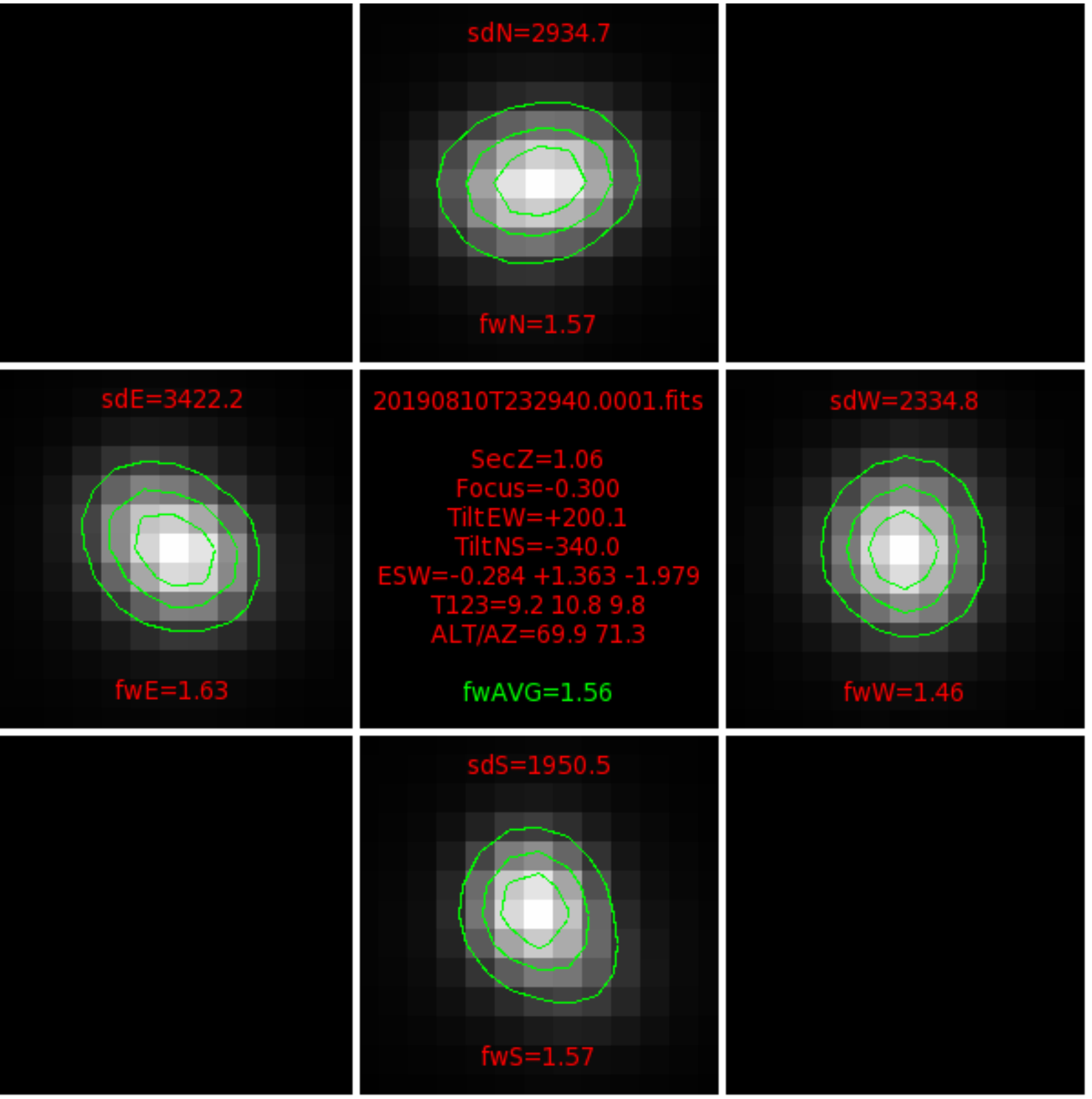
sdN=2934.7
fwN=1.57
sdE=3422.2
fwE=1.63
20190810T232940.0001.fits
SecZ=1.06
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=9.2 10.8 9.8
ALT/AZ=69.9 71.3
fwAVG=1.56
sdW=2334.8
fwW=1.46
sdS=1950.5
fwS=1.57
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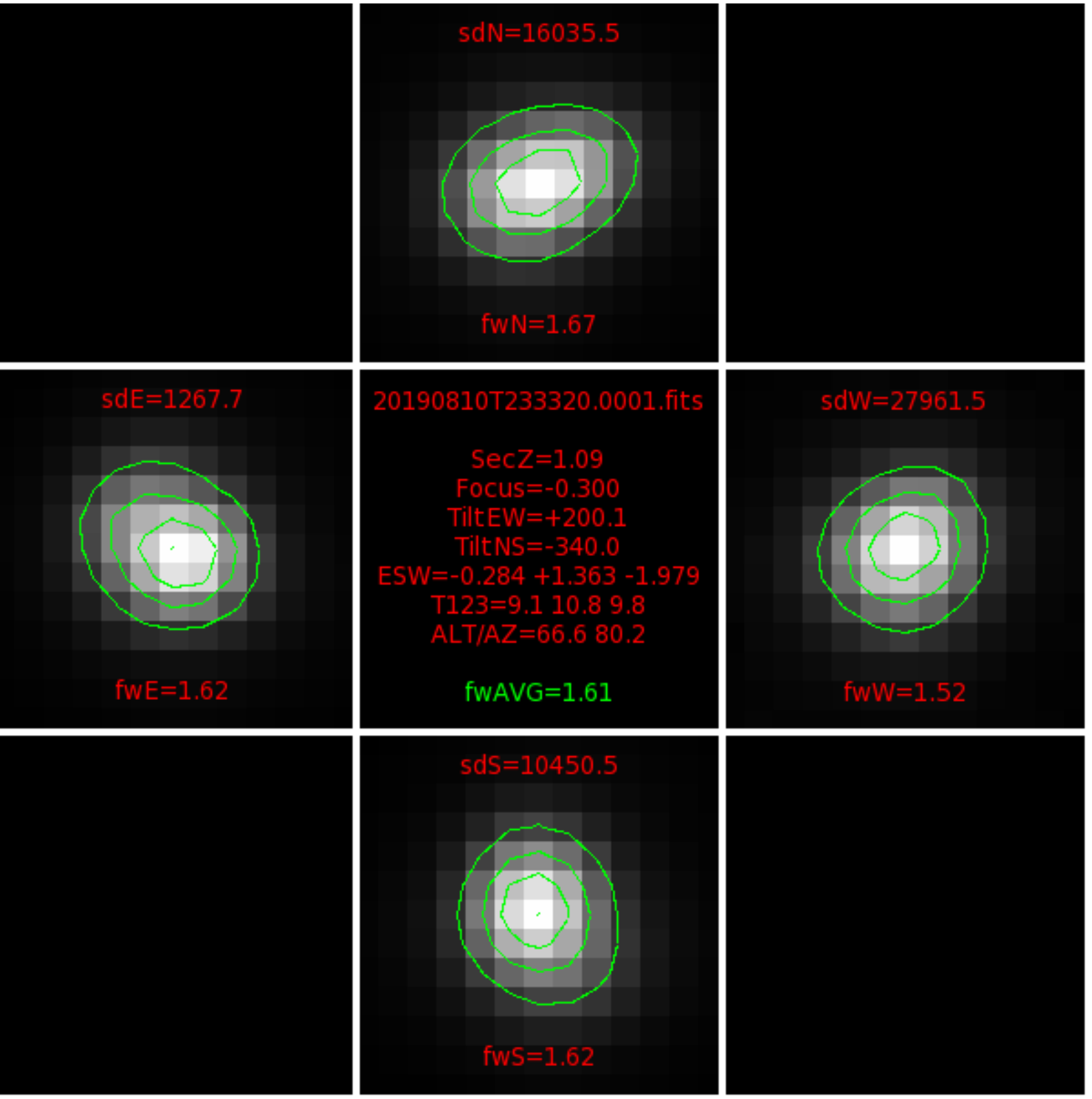
sdN=16035.5
fwN=1.67
sdE=1267.7
fwE=1.62
20190810T233320.0001.fits
SecZ=1.09
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=9.1 10.8 9.8
ALT/AZ=66.6 80.2
fwAVG=1.61
sdW=27961.5
fwW=1.52
sdS=10450.5
fwS=1.62
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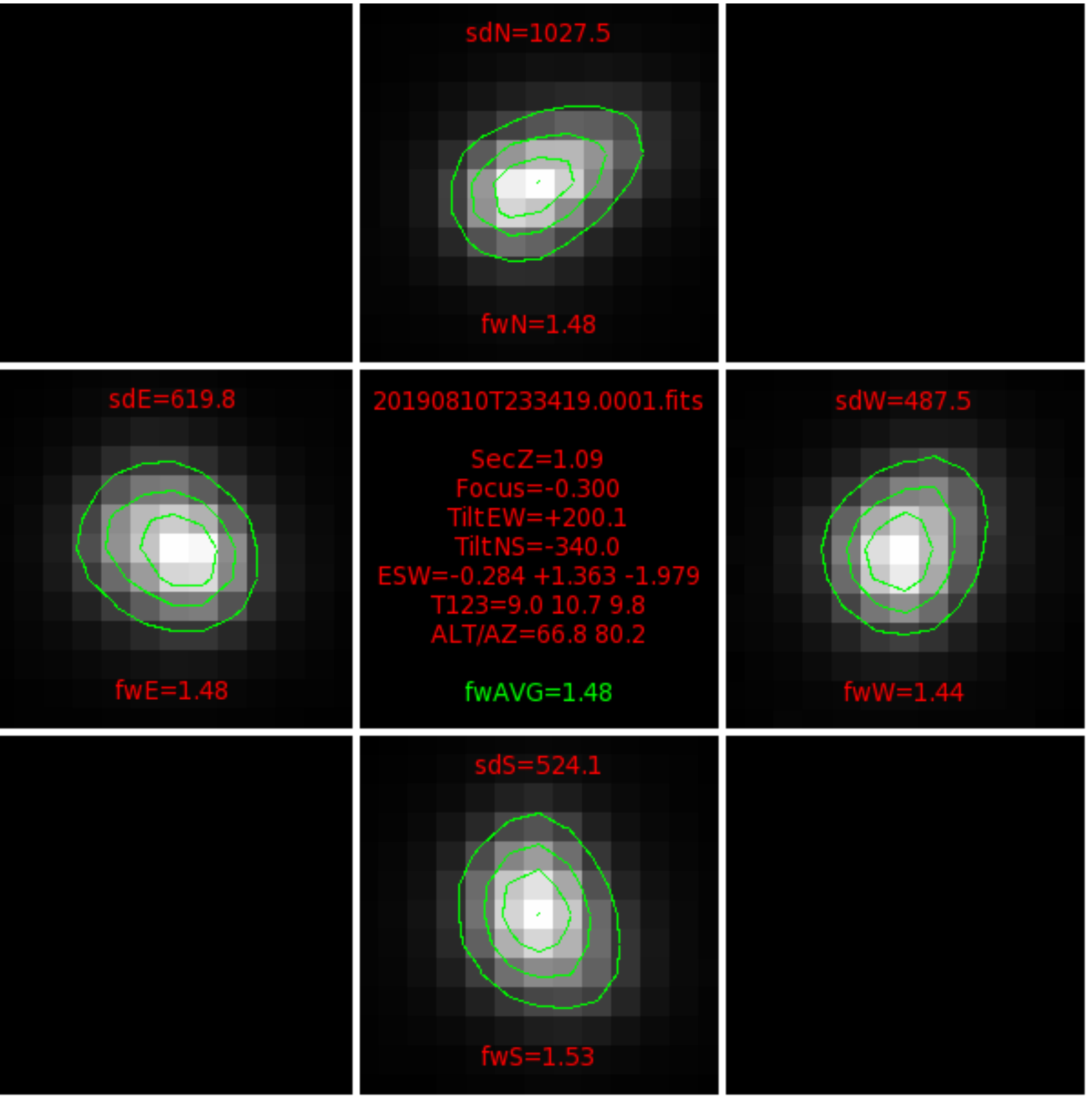
sdN=1027.5
fwN=1.48
sdE=619.8
fwE=1.48
20190810T233419.0001.fits
SecZ=1.09
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=9.0 10.7 9.8
ALT/AZ=66.8 80.2
fwAVG=1.48
sdW=487.5
fwW=1.44
sdS=524.1
fwS=1.53
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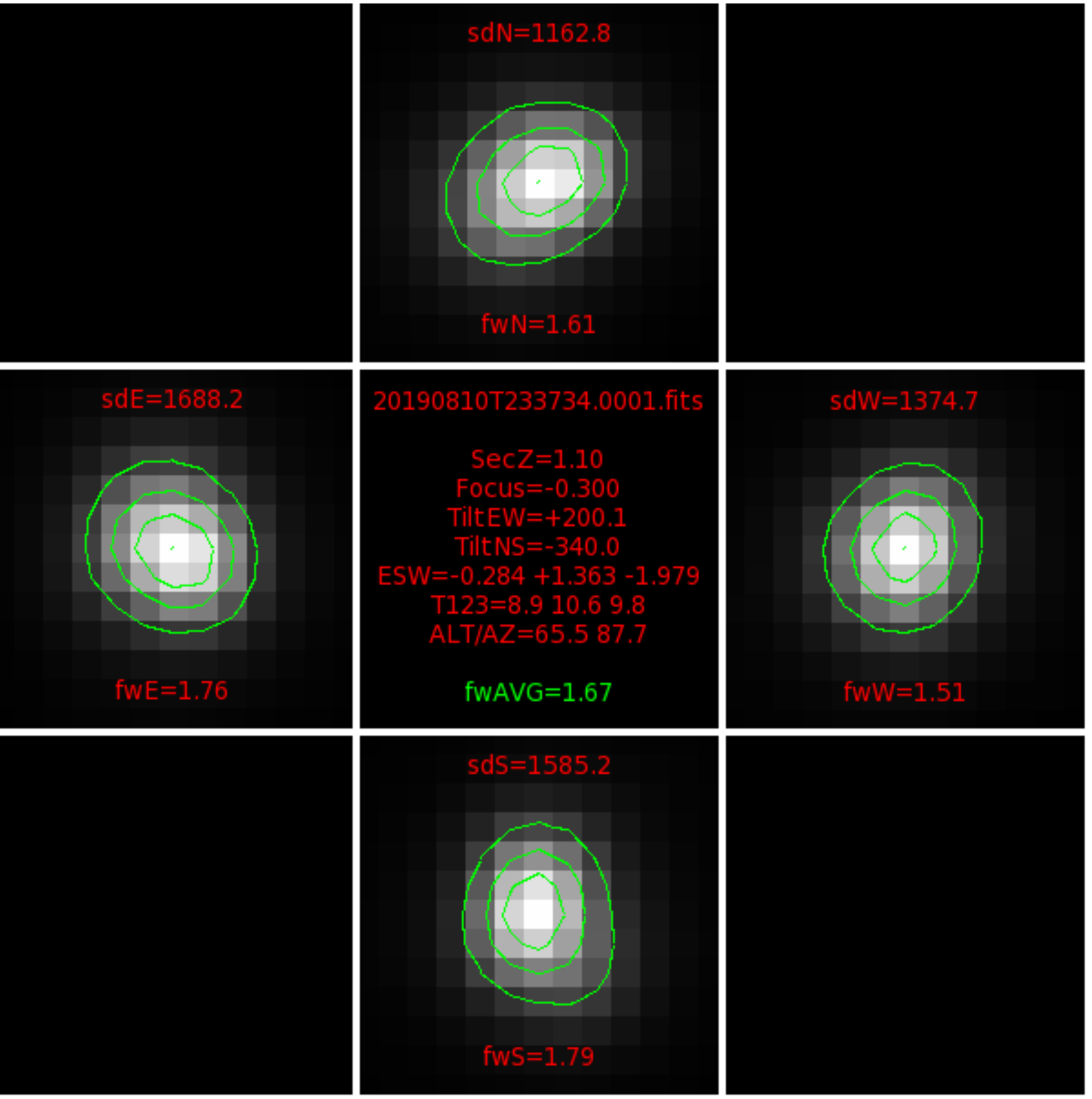
sdN=1162.8
fwN=1.61
sdE=1688.2
fwE=1.76
20190810T233734.0001.fits
SecZ=1.10
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=8.9 10.6 9.8
ALT/AZ=65.5 87.7
fwAVG=1.67
sdW=1374.7
fwW=1.51
sdS=1585.2
fwS=1.79
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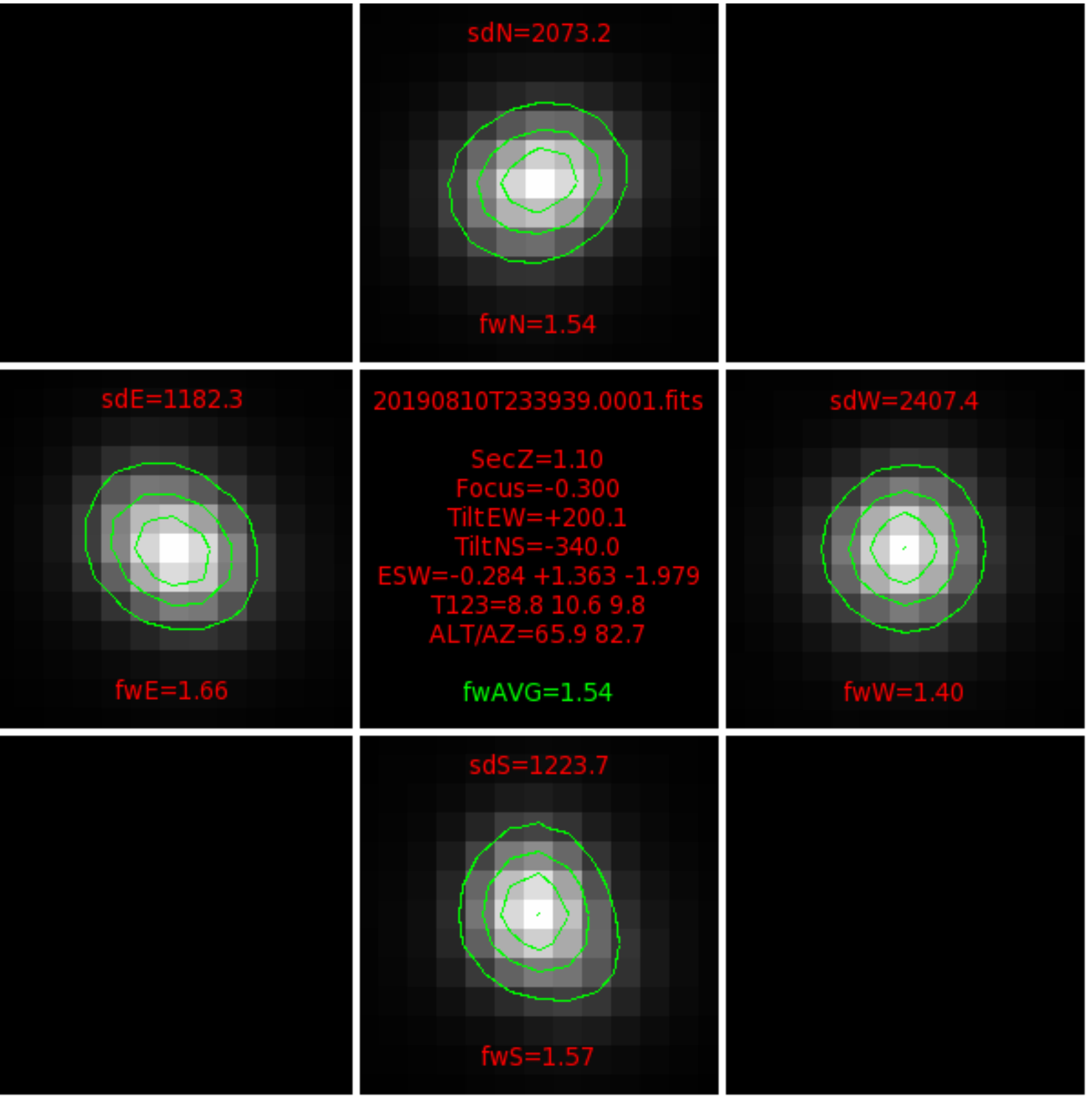
sdN=2073.2
fwN=1.54
sdE=1182.3
fwE=1.66
20190810T233939.0001.fits
SecZ=1.10
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=8.8 10.6 9.8
ALT/AZ=65.9 82.7
fwAVG=1.54
sdW=2407.4
fwW=1.40
sdS=1223.7
fwS=1.57
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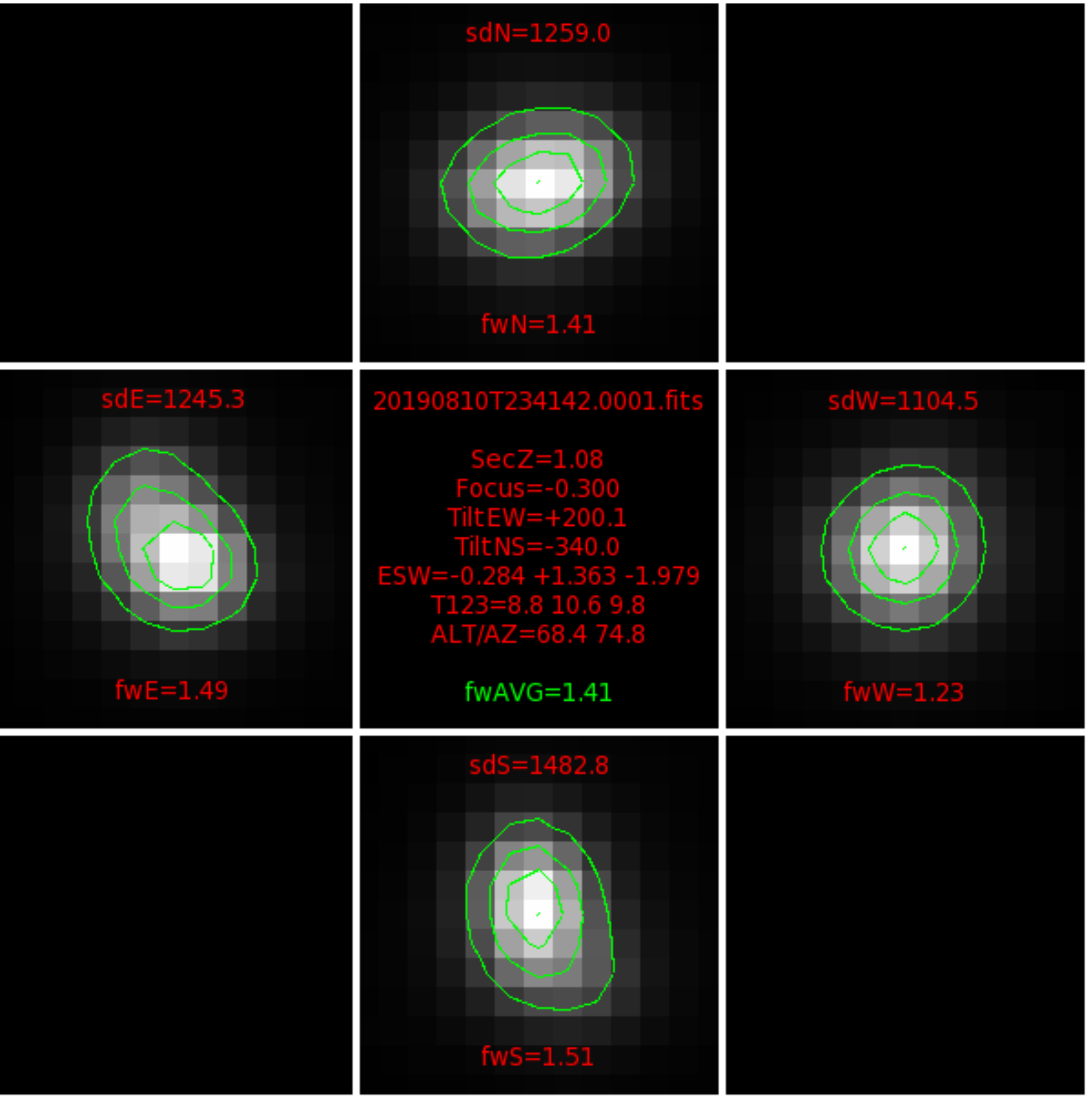
sdN=1259.0
fwN=1.41
sdE=1245.3
fwE=1.49
20190810T234142.0001.fits
SecZ=1.08
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=8.8 10.6 9.8
ALT/AZ=68.4 74.8
fwAVG=1.41
sdW=1104.5
fwW=1.23
sdS=1482.8
fwS=1.51
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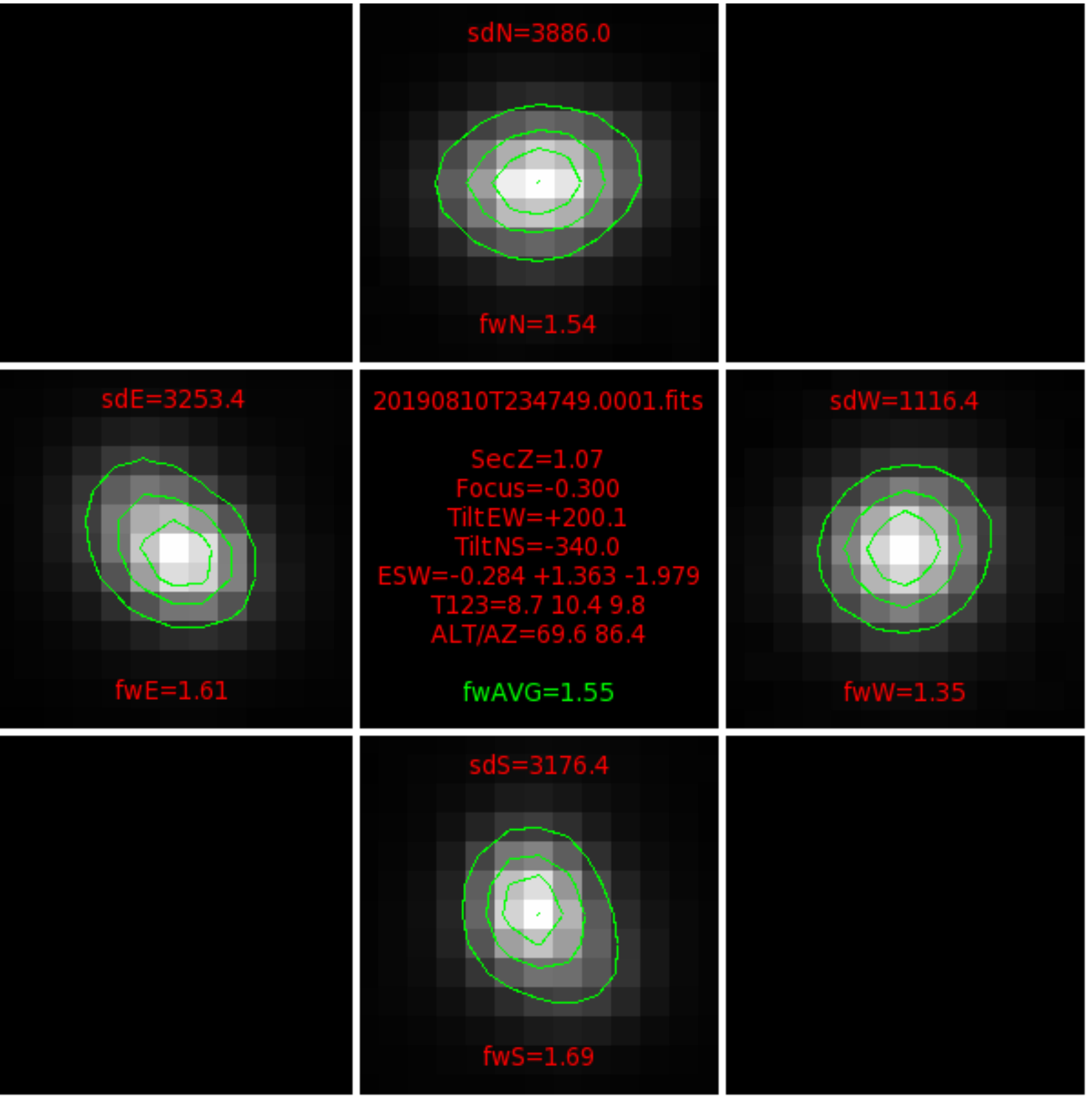
sdN=3886.0
fwN=1.54
sdE=3253.4
fwE=1.61
20190810T234749.0001.fits
SecZ=1.07
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=8.7 10.4 9.8
ALT/AZ=69.6 86.4
fwAVG=1.55
sdW=1116.4
fwW=1.35
sdS=3176.4
fwS=1.69
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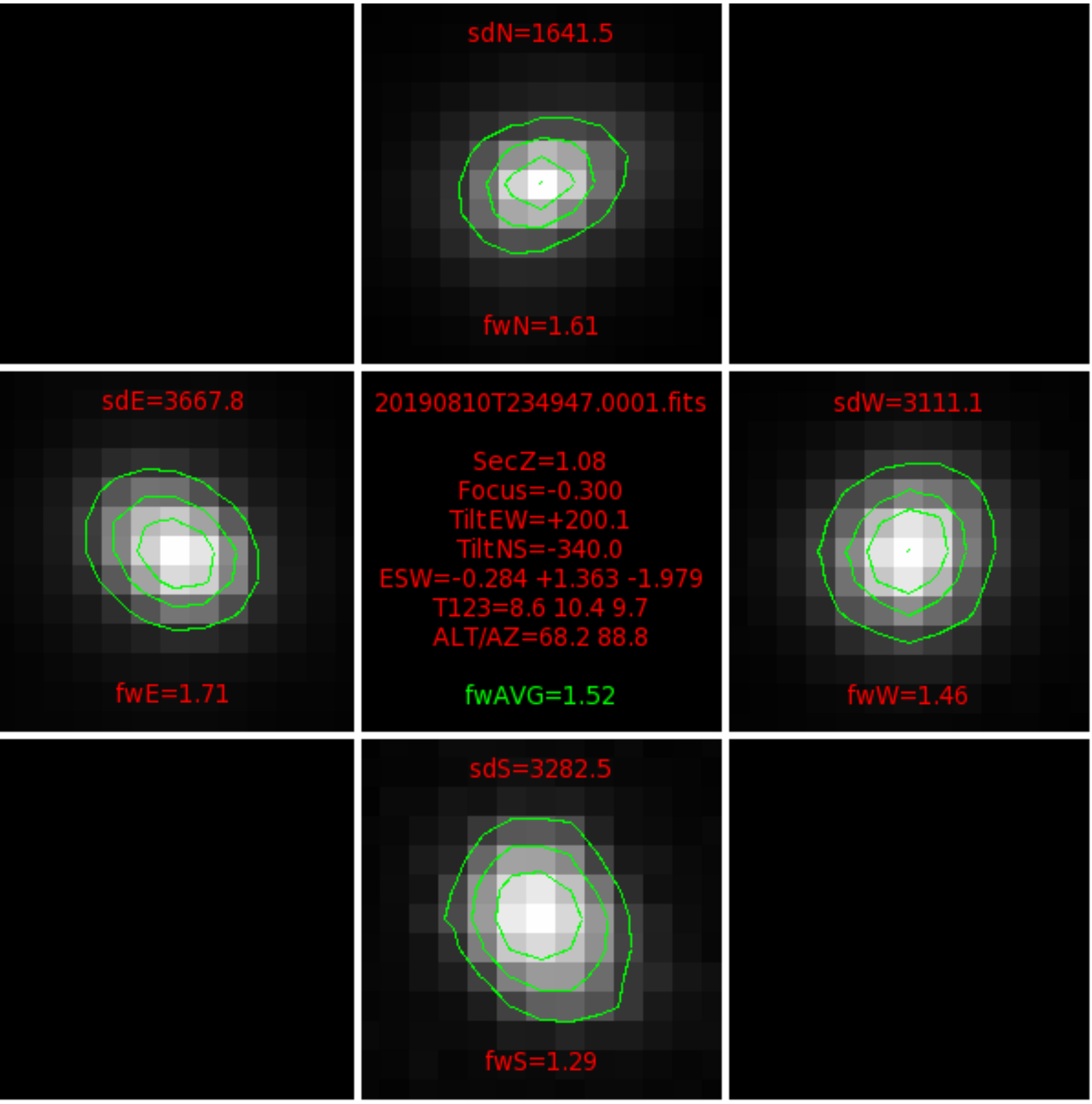
sdN=1641.5
fwN=1.61
sdE=3667.8
fwE=1.71
20190810T234947.0001.fits
SecZ=1.08
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=8.6 10.4 9.7
ALT/AZ=68.2 88.8
fwAVG=1.52
sdW=3111.1
fwW=1.46
sdS=3282.5
fwS=1.29
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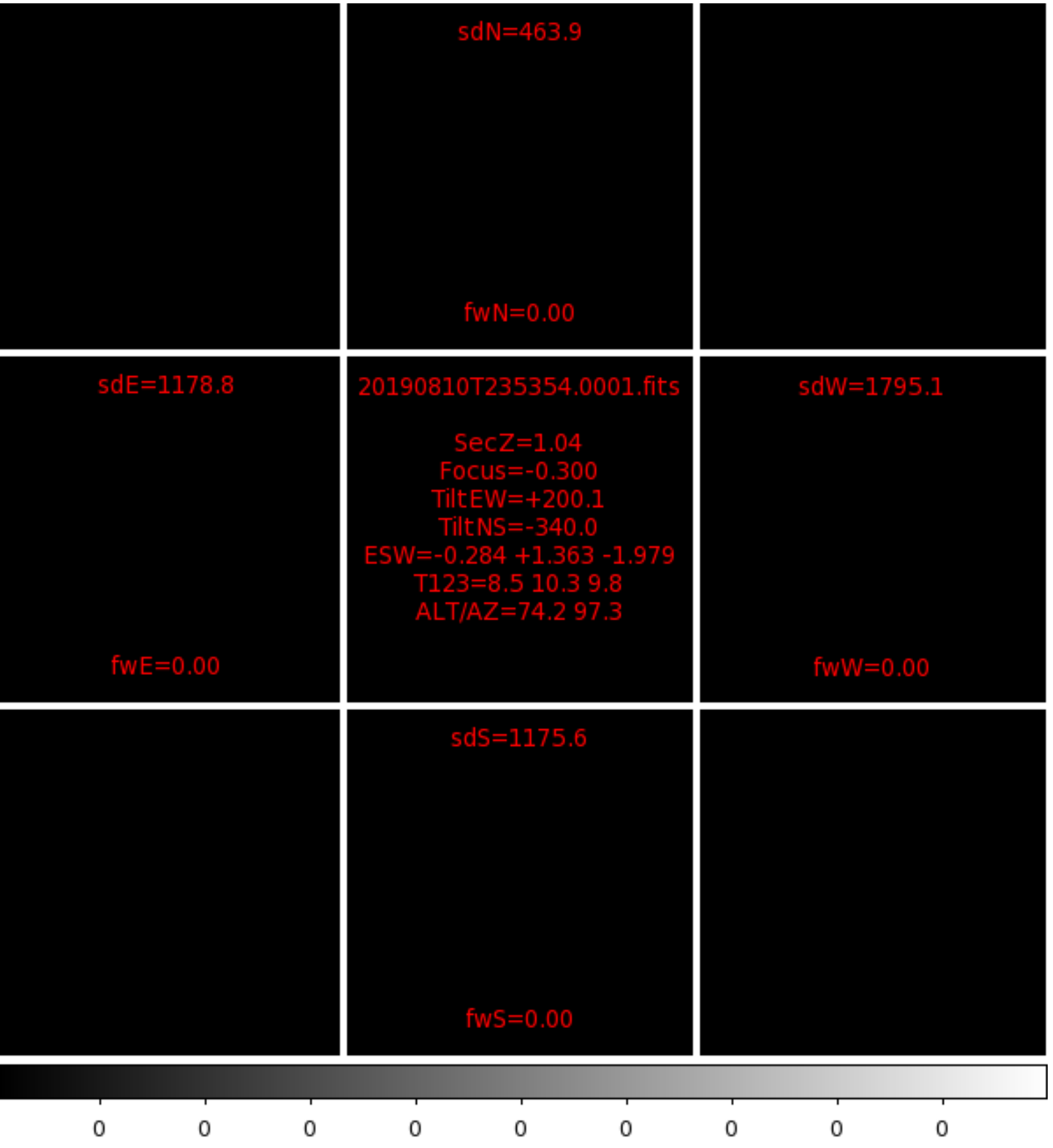
sdN=463.9
fwN=0.00
sdE=1178.8
fwE=0.00
20190810T235354.0001.fits
SecZ=1.04
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=8.5 10.3 9.8
ALT/AZ=74.2 97.3
sdW=1795.1
fwW=0.00
sdS=1175.6
fwS=0.00
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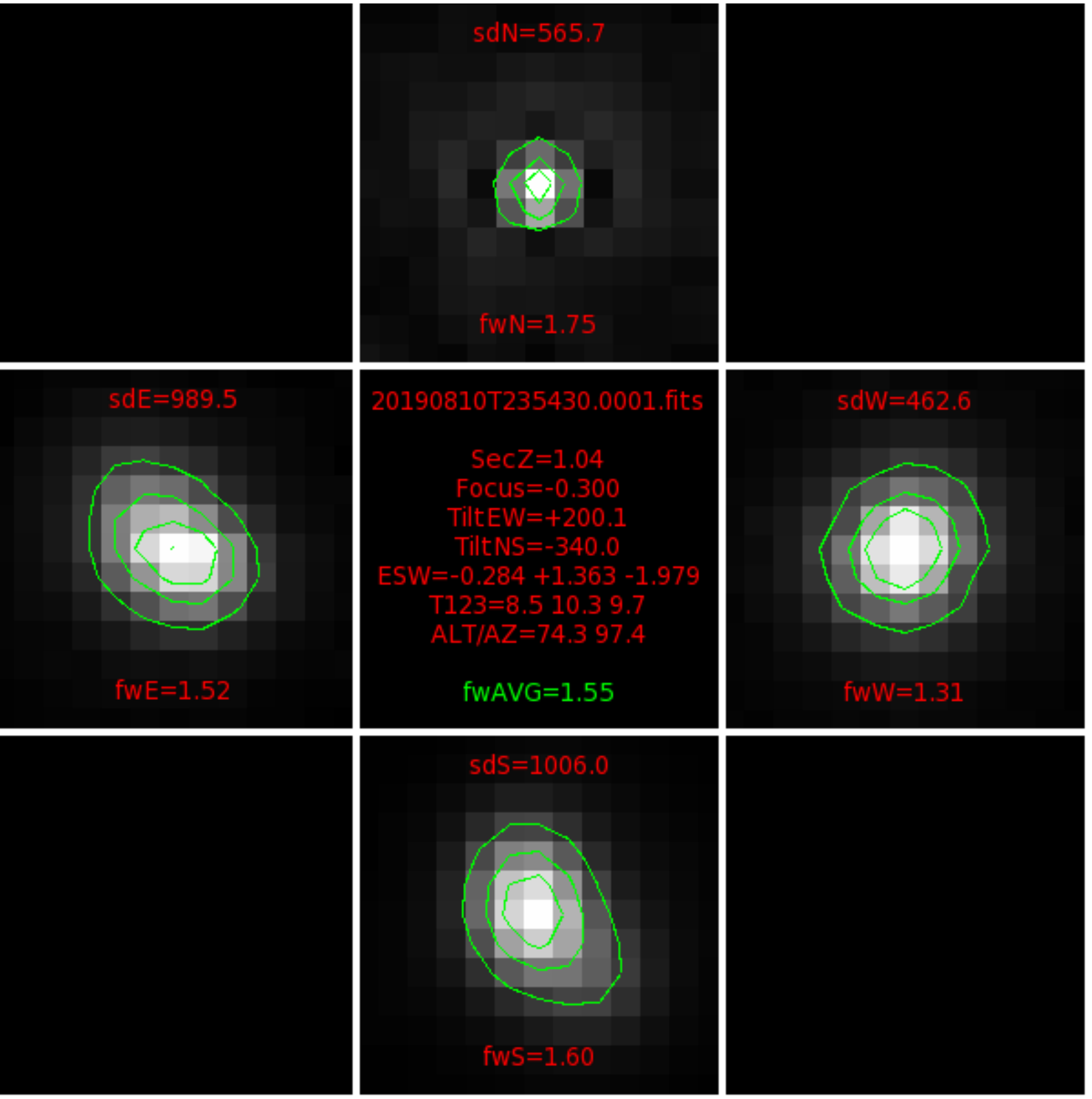
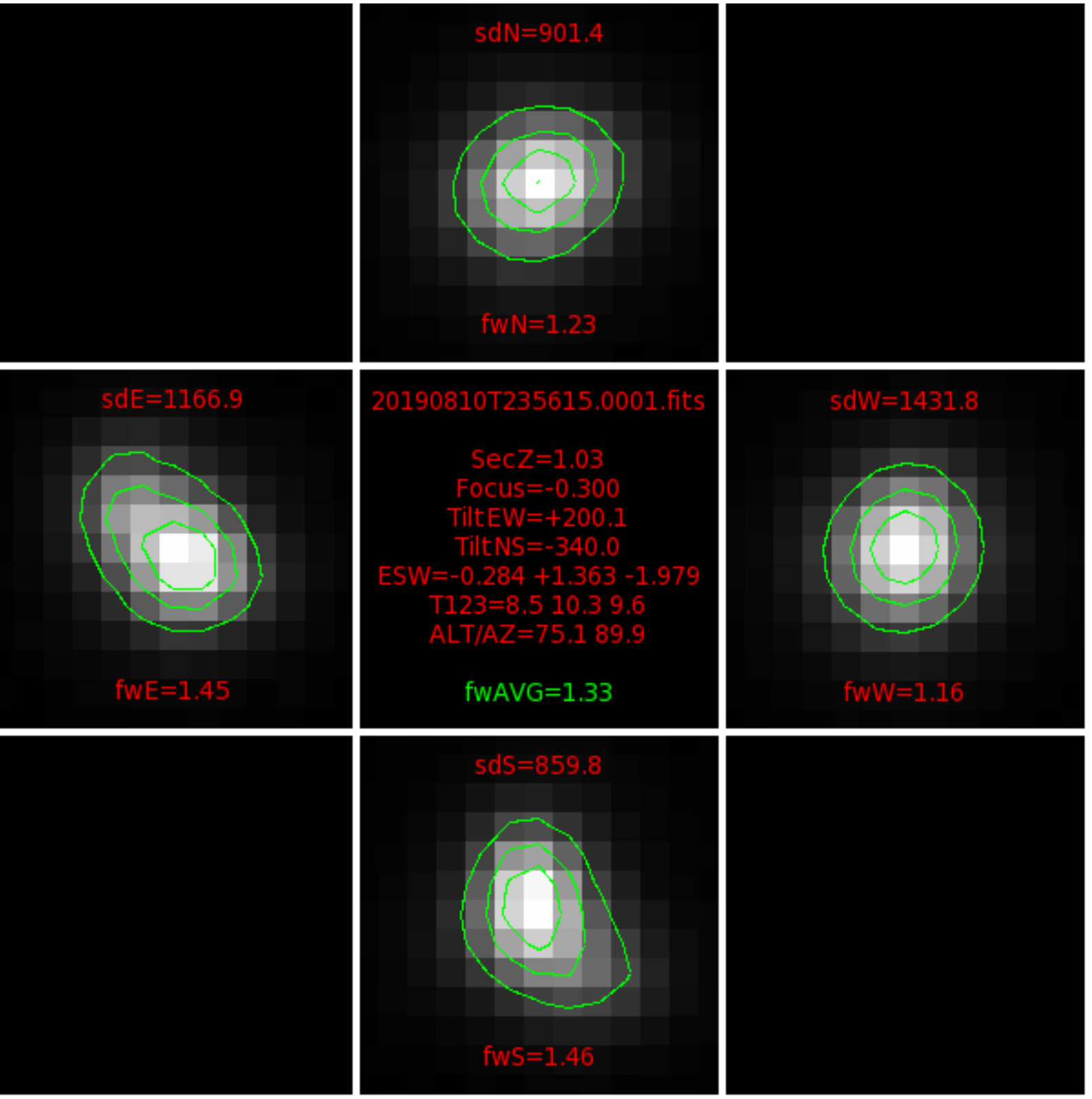

sdN=565.7
fwN=1.75
sdE=989.5
fwE=1.52
20190810T235430.0001.fits
SecZ=1.04
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=8.5 10.3 9.7
ALT/AZ=74.3 97.4
fwAVG=1.55
sdW=462.6
fwW=1.31
sdS=1006.0
fwS=1.60
0 0 0 0 0 0 0 0 0


sdN=901.4
fwN=1.23
sdE=1166.9
fwE=1.45
20190810T235615.0001.fits
SecZ=1.03
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=8.5 10.3 9.6
ALT/AZ=75.1 89.9
fwAVG=1.33
sdW=1431.8
fwW=1.16
sdS=859.8
fwS=1.46
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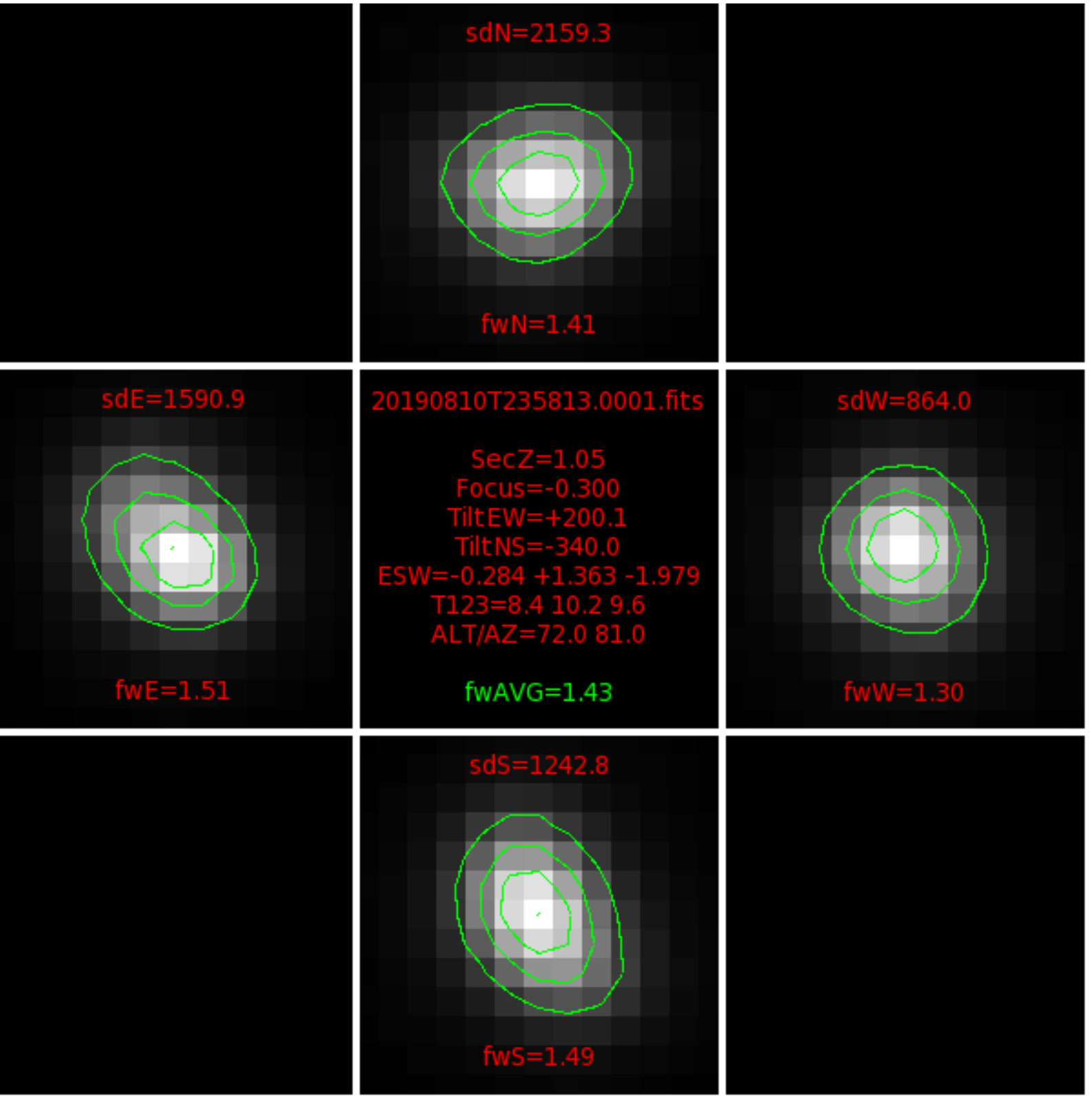
sdN=2159.3
fwN=1.41
sdE=1590.9
fwE=1.51
20190810T235813.0001.fits
SecZ=1.05
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=8.4 10.2 9.6
ALT/AZ=72.0 81.0
fwAVG=1.43
sdW=864.0
fwW=1.30
sdS=1242.8
fwS=1.49
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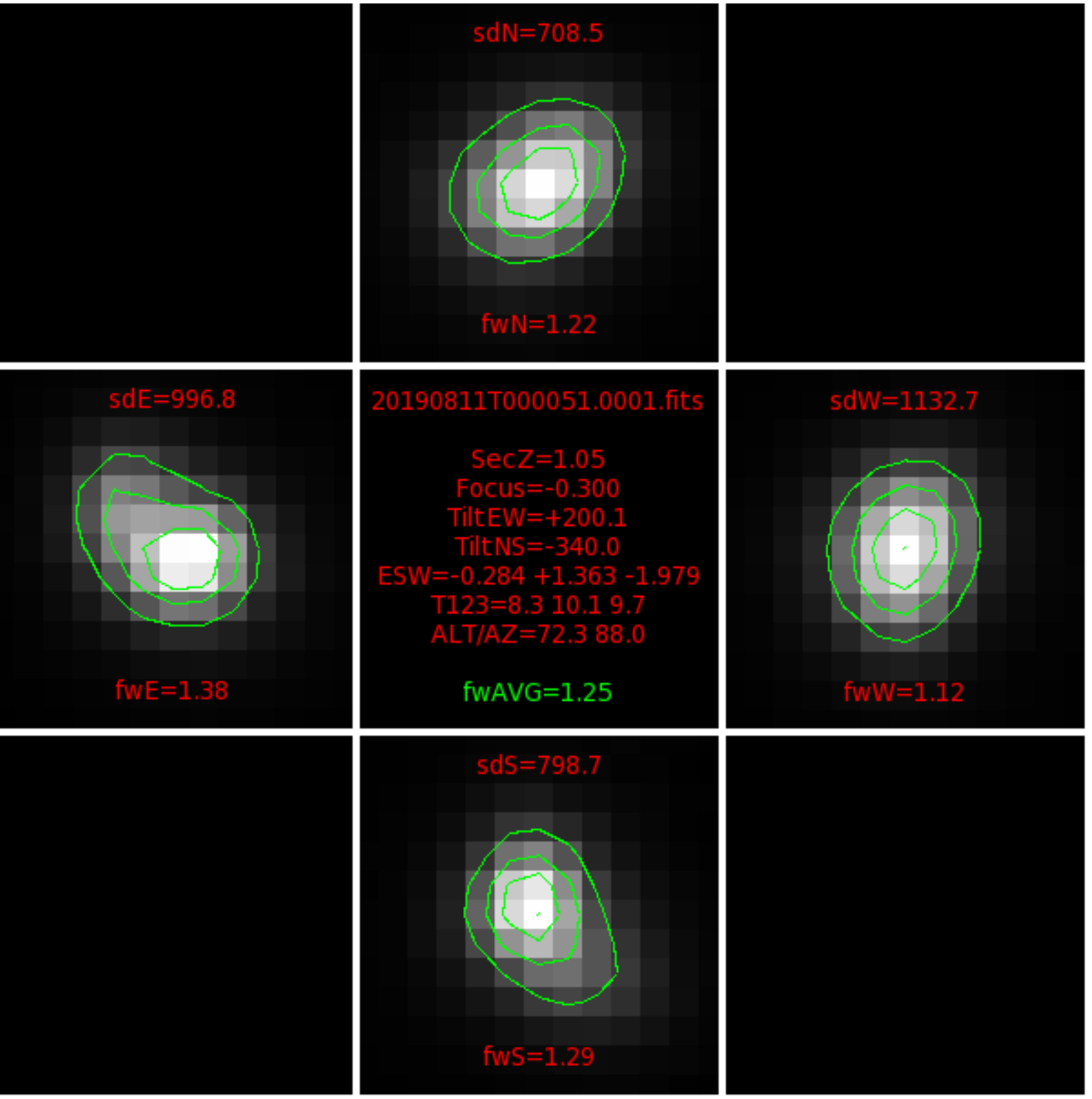
sdN=708.5
fwN=1.22
sdE=996.8
fwE=1.38
20190811T000051.0001.fits
SecZ=1.05
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=8.3 10.1 9.7
ALT/AZ=72.3 88.0
fwAVG=1.25
sdW=1132.7
fwW=1.12
sdS=798.7
fwS=1.29
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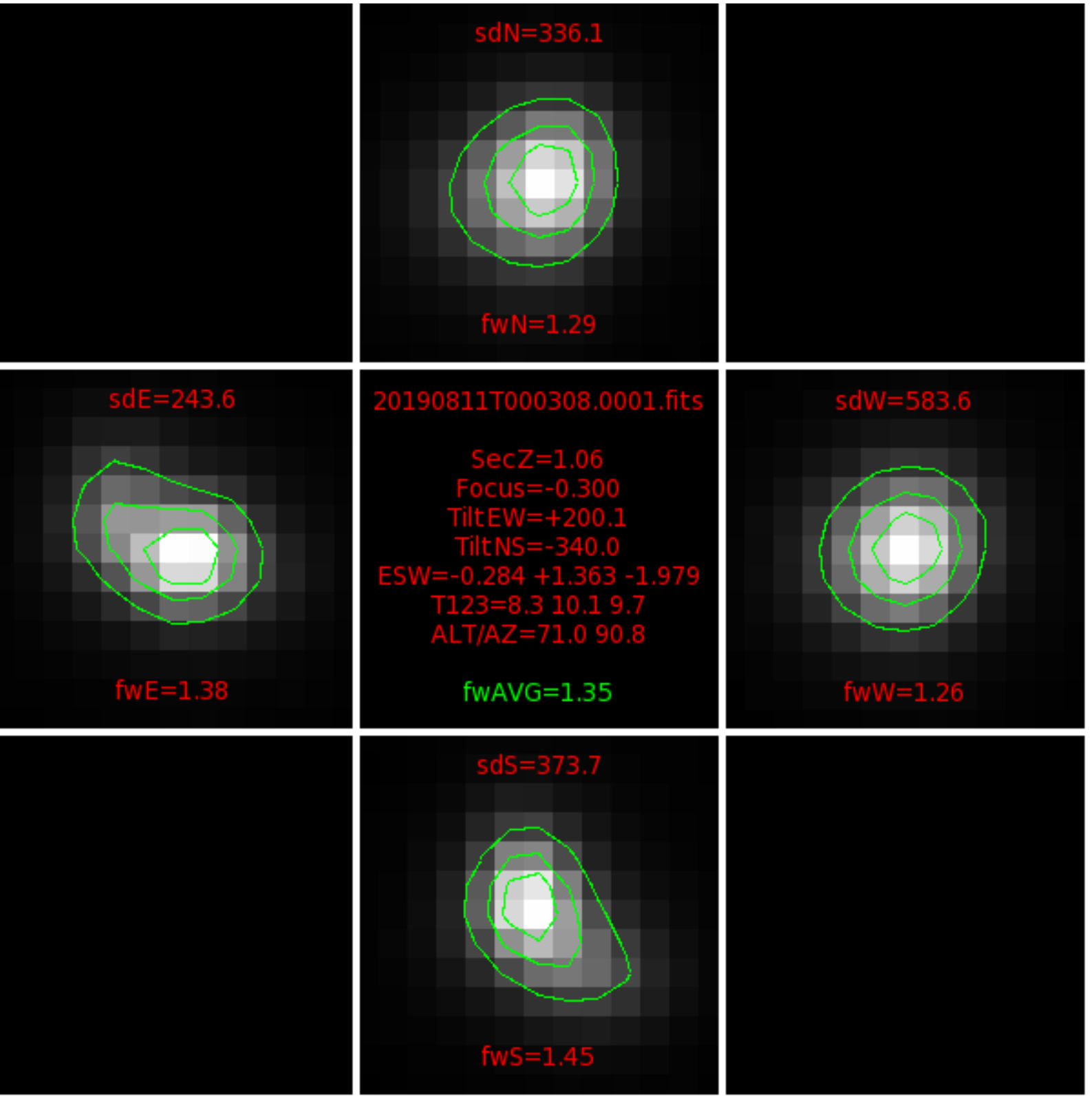
sdN=336.1
fwN=1.29
sdE=243.6
fwE=1.38
20190811T000308.0001.fits
SecZ=1.06
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=8.3 10.1 9.7
ALT/AZ=71.0 90.8
fwAVG=1.35
sdW=583.6
fwW=1.26
sdS=373.7
fwS=1.45
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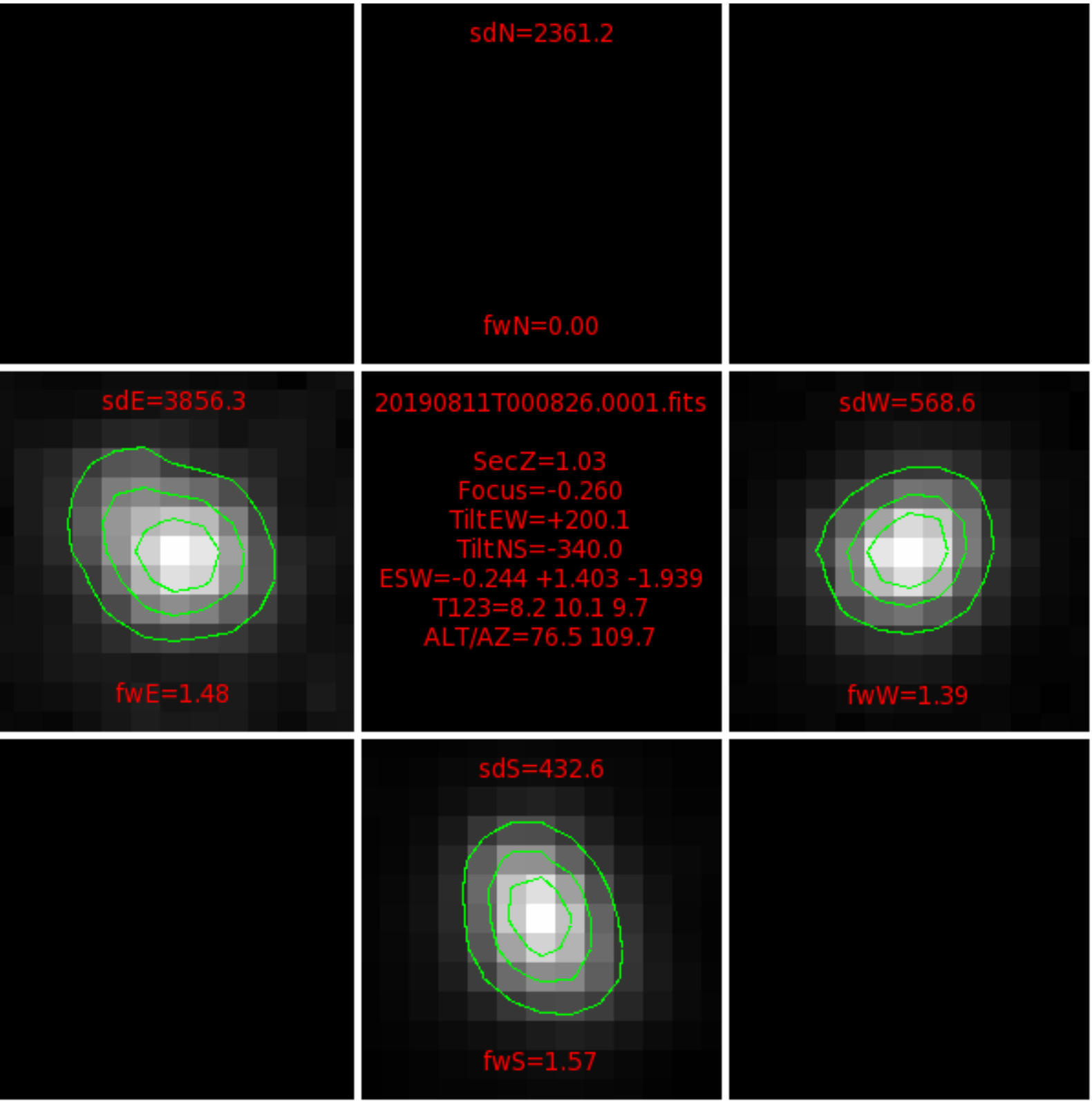
sdN=2361.2
fwN=0.00
sdE=3856.3
fwE=1.48
20190811T000826.0001.fits
SecZ=1.03
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=8.2 10.1 9.7
ALT/AZ=76.5 109.7
sdW=568.6
fwW=1.39
sdS=432.6
fwS=1.57
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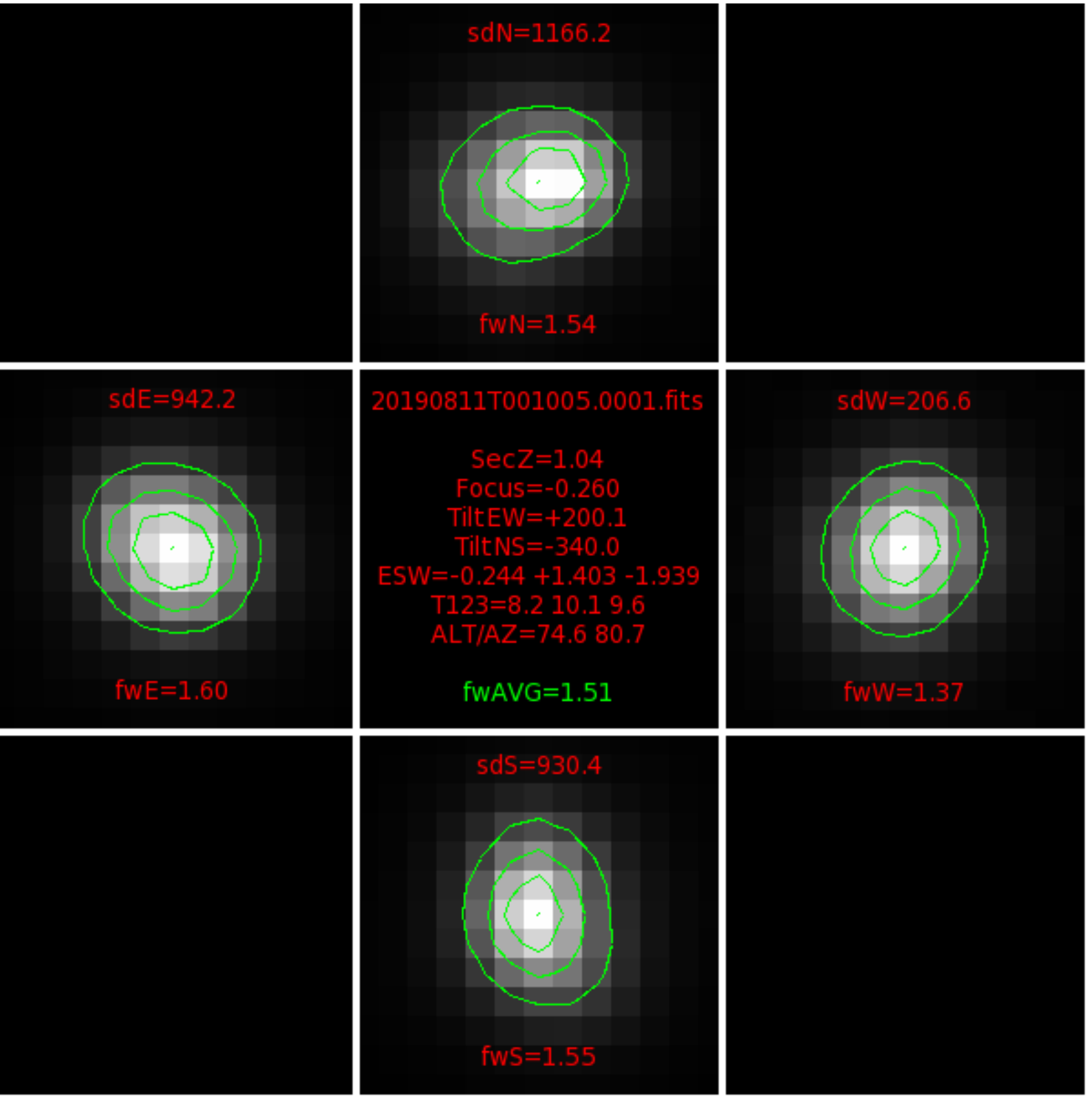
sdN=1166.2
fwN=1.54
sdE=942.2
fwE=1.60
20190811T001005.0001.fits
SecZ=1.04
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=8.2 10.1 9.6
ALT/AZ=74.6 80.7
fwAVG=1.51
sdW=206.6
fwW=1.37
sdS=930.4
fwS=1.55
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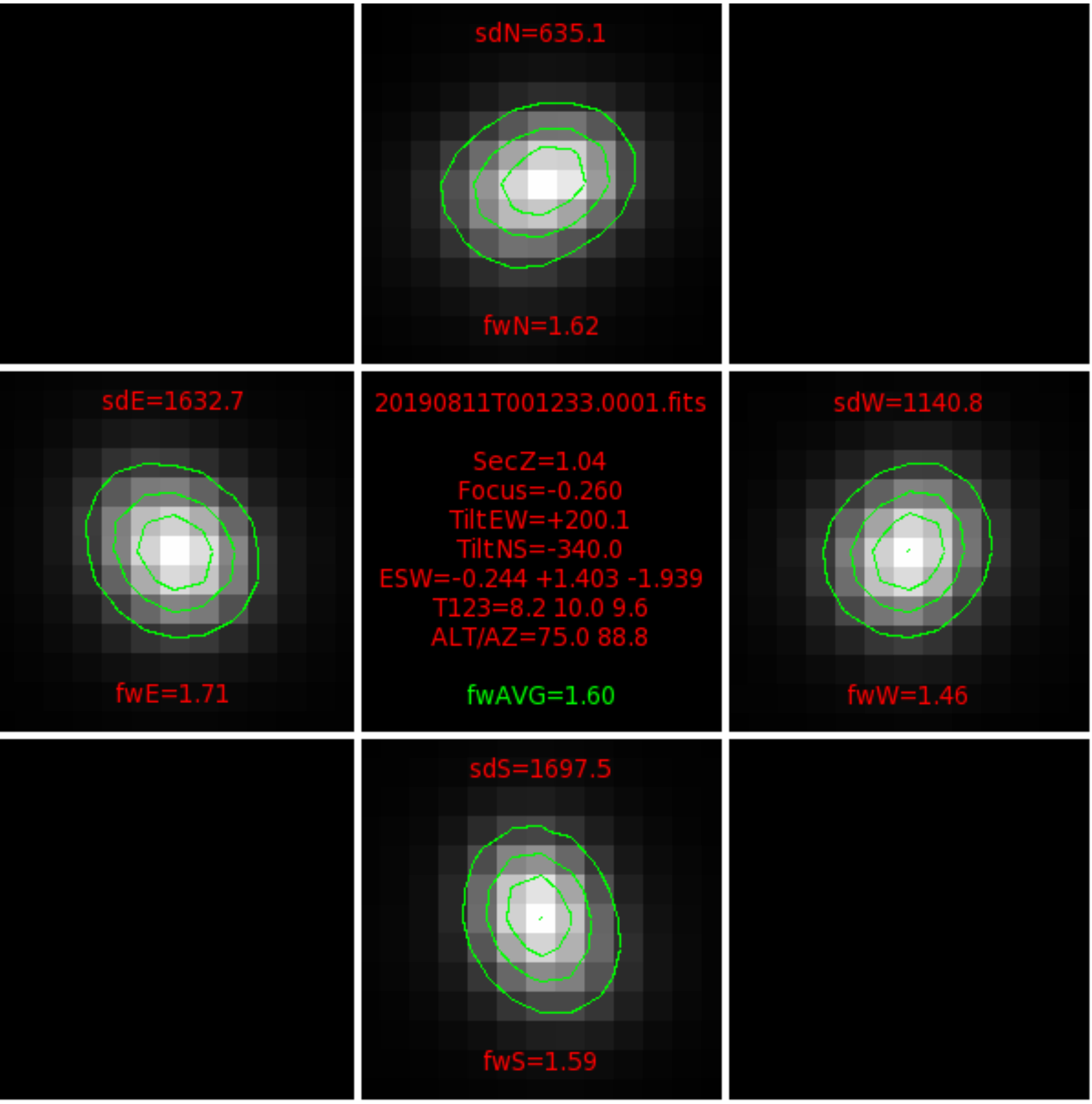
sdN=635.1
fwN=1.62
sdE=1632.7
fwE=1.71
20190811T001233.0001.fits
SecZ=1.04
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=8.2 10.0 9.6
ALT/AZ=75.0 88.8
fwAVG=1.60
sdW=1140.8
fwW=1.46
sdS=1697.5
fwS=1.59
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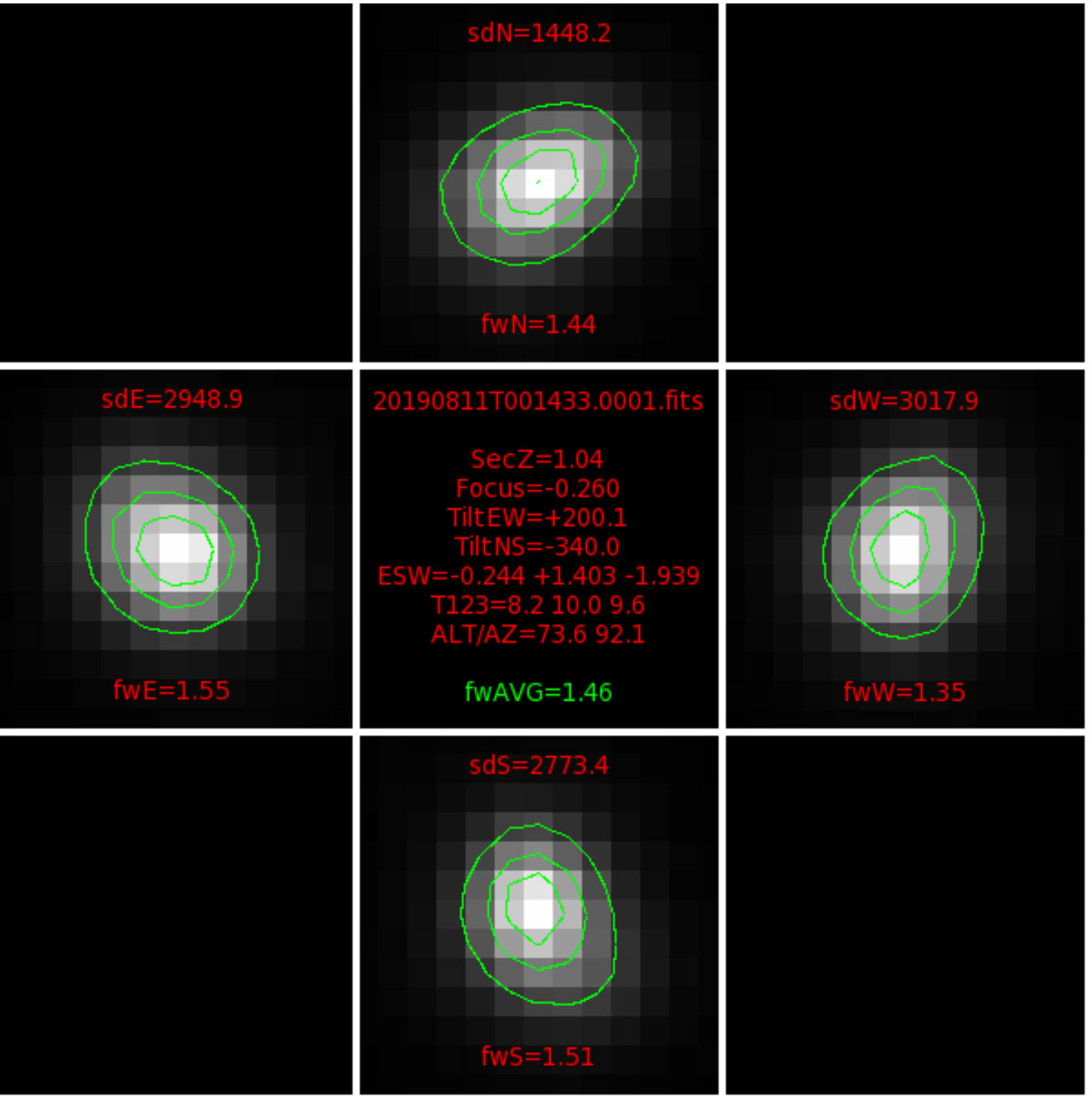
sdN=1448.2
fwN=1.44
sdE=2948.9
fwE=1.55
20190811T001433.0001.fits
SecZ=1.04
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=8.2 10.0 9.6
ALT/AZ=73.6 92.1
fwAVG=1.46
sdW=3017.9
fwW=1.35
sdS=2773.4
fwS=1.51
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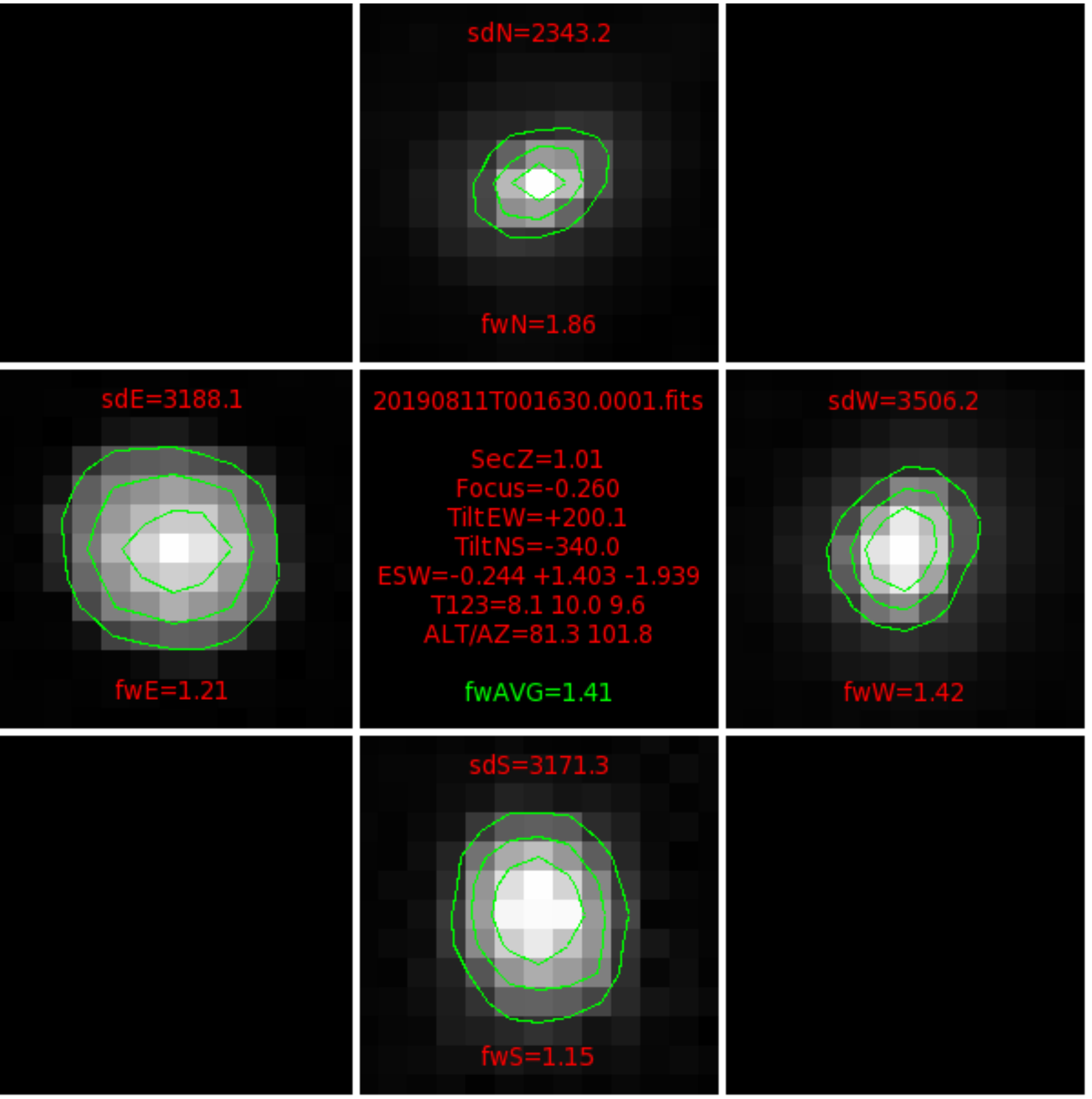
sdN=2343.2
fwN=1.86
sdE=3188.1
fwE=1.21
20190811T001630.0001.fits
SecZ=1.01
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=8.1 10.0 9.6
ALT/AZ=81.3 101.8
fwAVG=1.41
sdW=3506.2
fwW=1.42
sdS=3171.3
fwS=1.15
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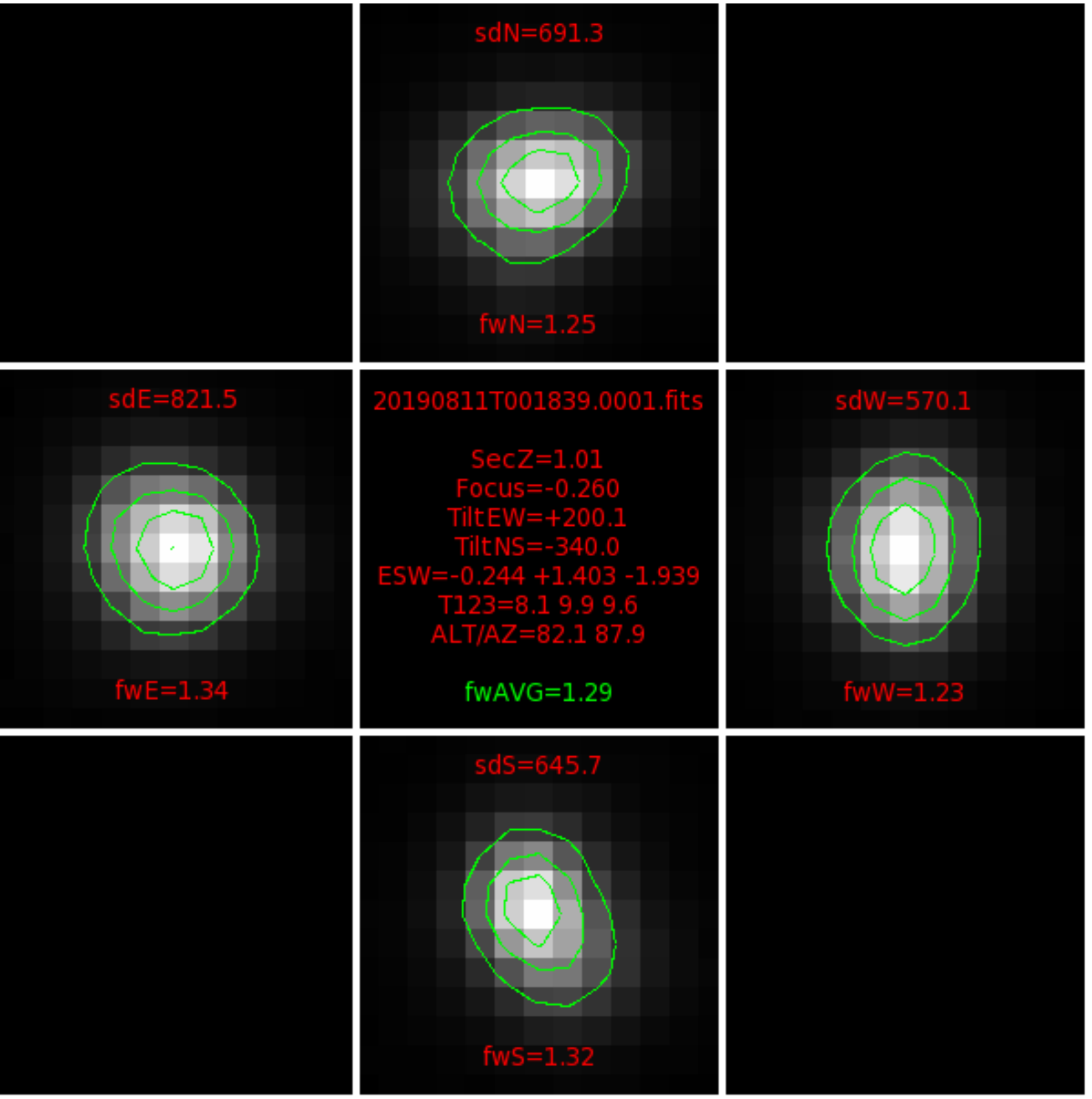
sdN=691.3
fwN=1.25
sdE=821.5
fwE=1.34
20190811T001839.0001.fits
SecZ=1.01
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=8.1 9.9 9.6
ALT/AZ=82.1 87.9
fwAVG=1.29
sdW=570.1
fwW=1.23
sdS=645.7
fwS=1.32
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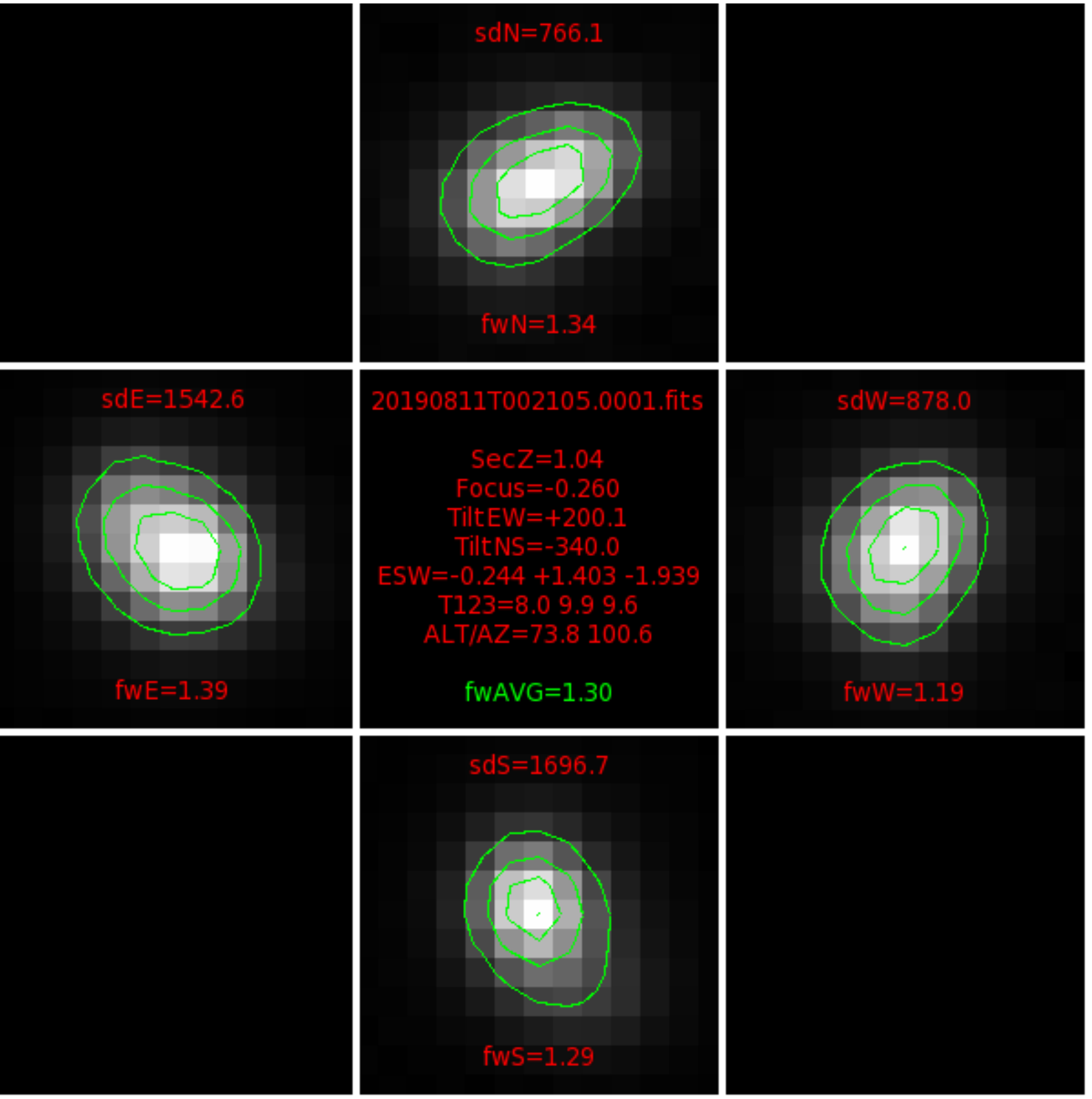
sdN=766.1
fwN=1.34
sdE=1542.6
fwE=1.39
20190811T002105.0001.fits
SecZ=1.04
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=8.0 9.9 9.6
ALT/AZ=73.8 100.6
fwAVG=1.30
sdW=878.0
fwW=1.19
sdS=1696.7
fwS=1.29
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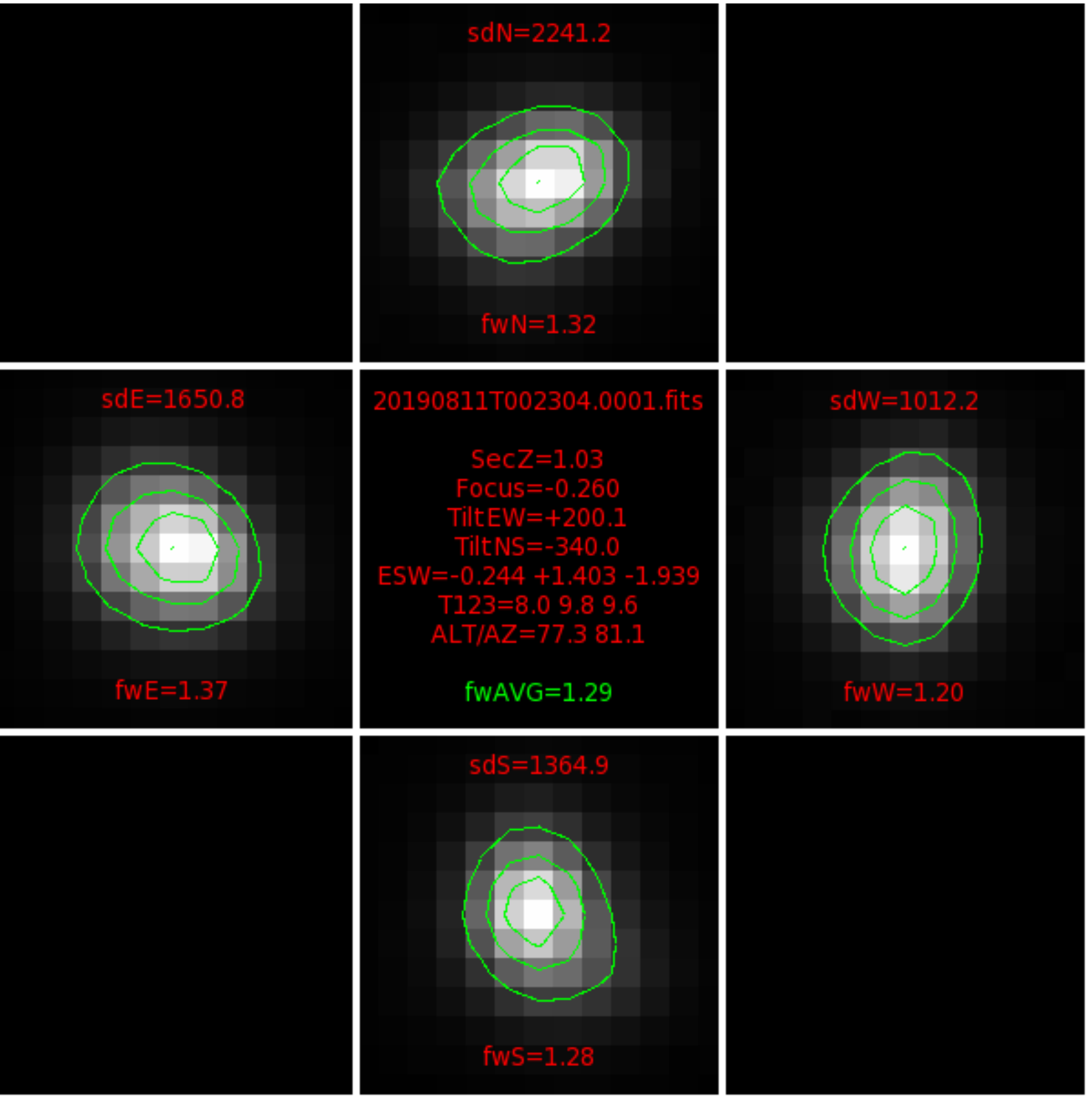
sdN=2241.2
fwN=1.32
sdE=1650.8
fwE=1.37
20190811T002304.0001.fits
SecZ=1.03
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=8.0 9.8 9.6
ALT/AZ=77.3 81.1
fwAVG=1.29
sdW=1012.2
fwW=1.20
sdS=1364.9
fwS=1.28
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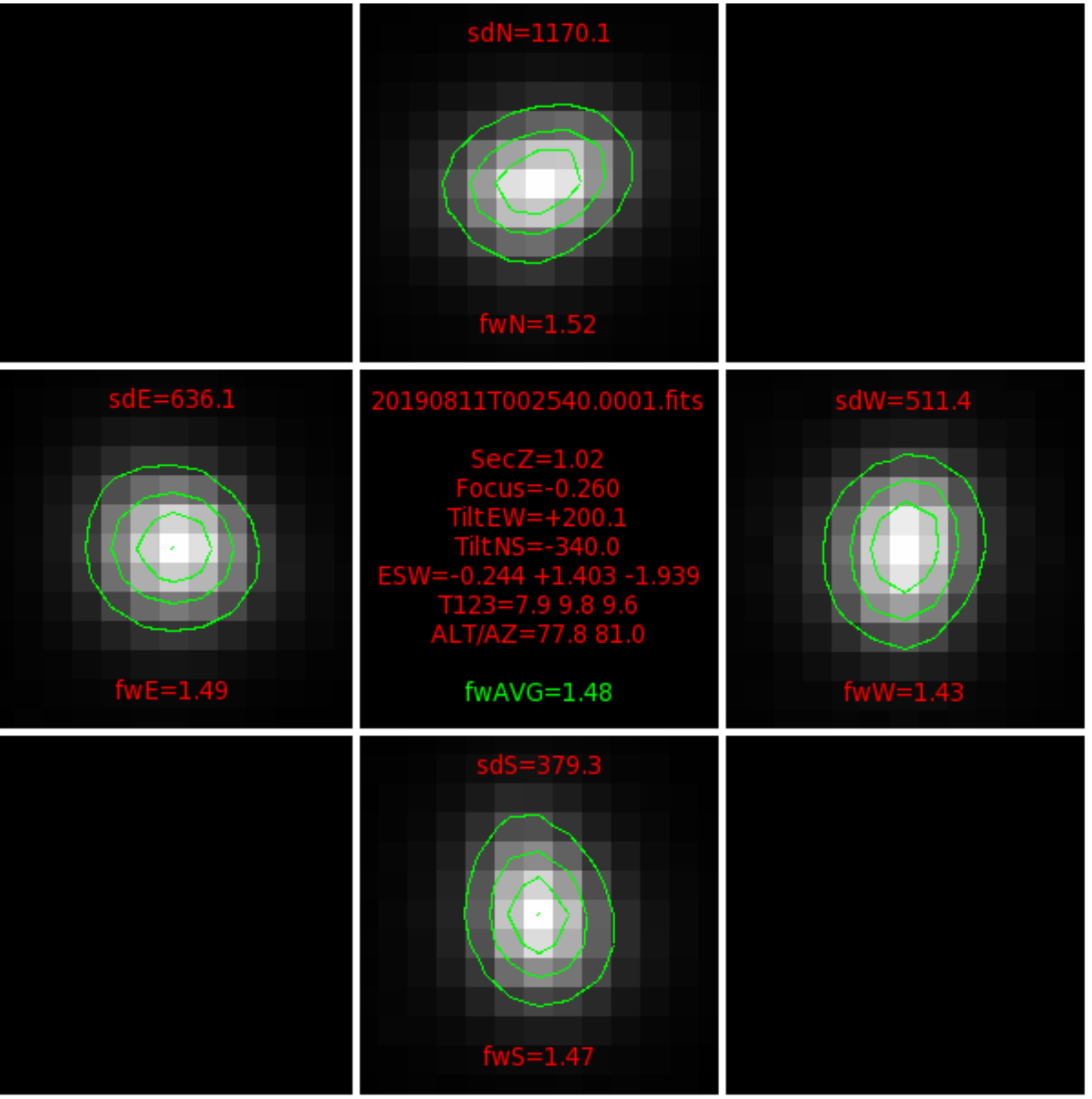
sdN=1170.1
fwN=1.52
sdE=636.1
fwE=1.49
20190811T002540.0001.fits
SecZ=1.02
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.9 9.8 9.6
ALT/AZ=77.8 81.0
fwAVG=1.48
sdW=511.4
fwW=1.43
sdS=379.3
fwS=1.47
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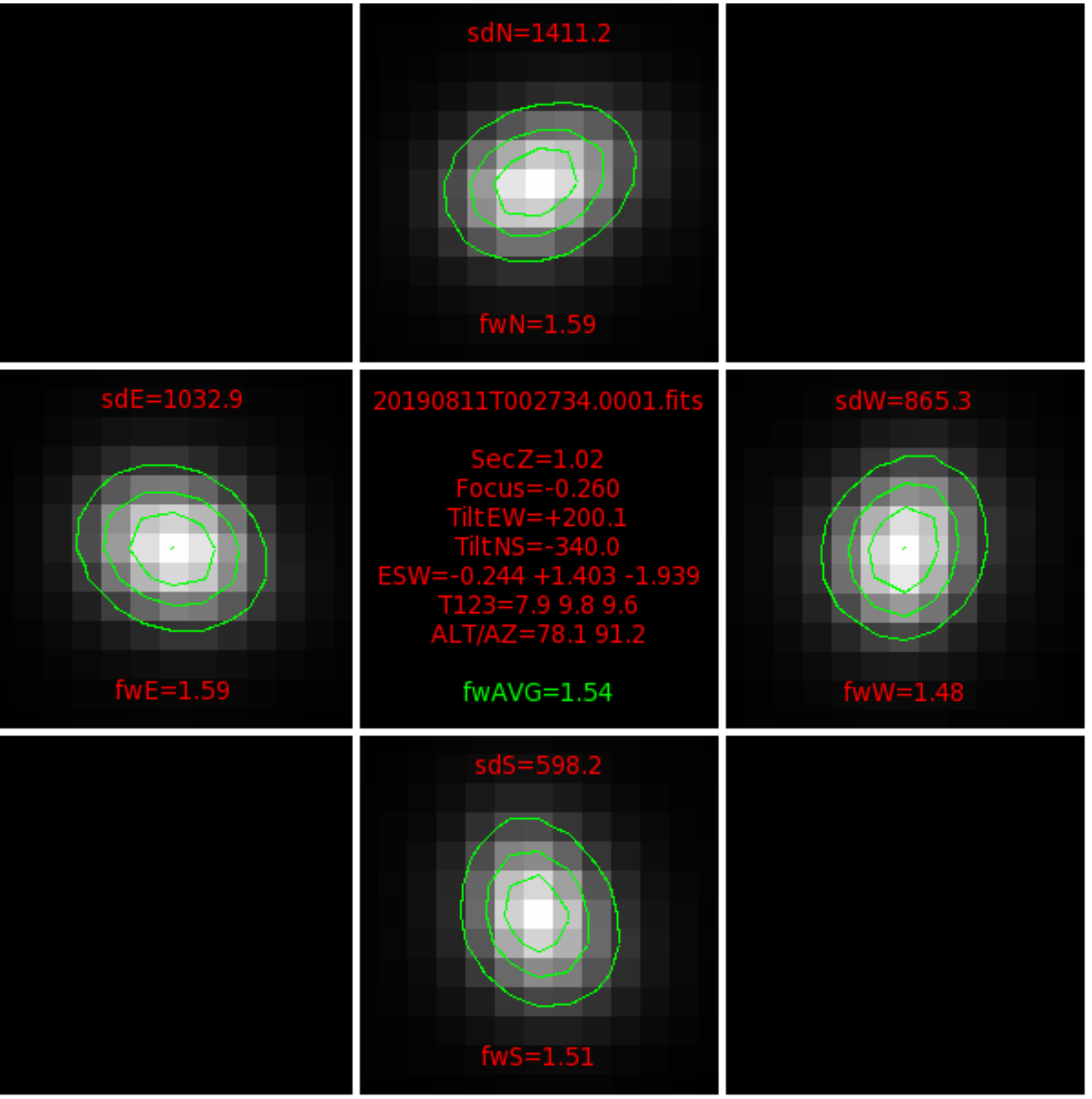
sdN=1411.2
fwN=1.59
sdE=1032.9
fwE=1.59
20190811T002734.0001.fits
SecZ=1.02
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.9 9.8 9.6
ALT/AZ=78.1 91.2
fwAVG=1.54
sdW=865.3
fwW=1.48
sdS=598.2
fwS=1.51
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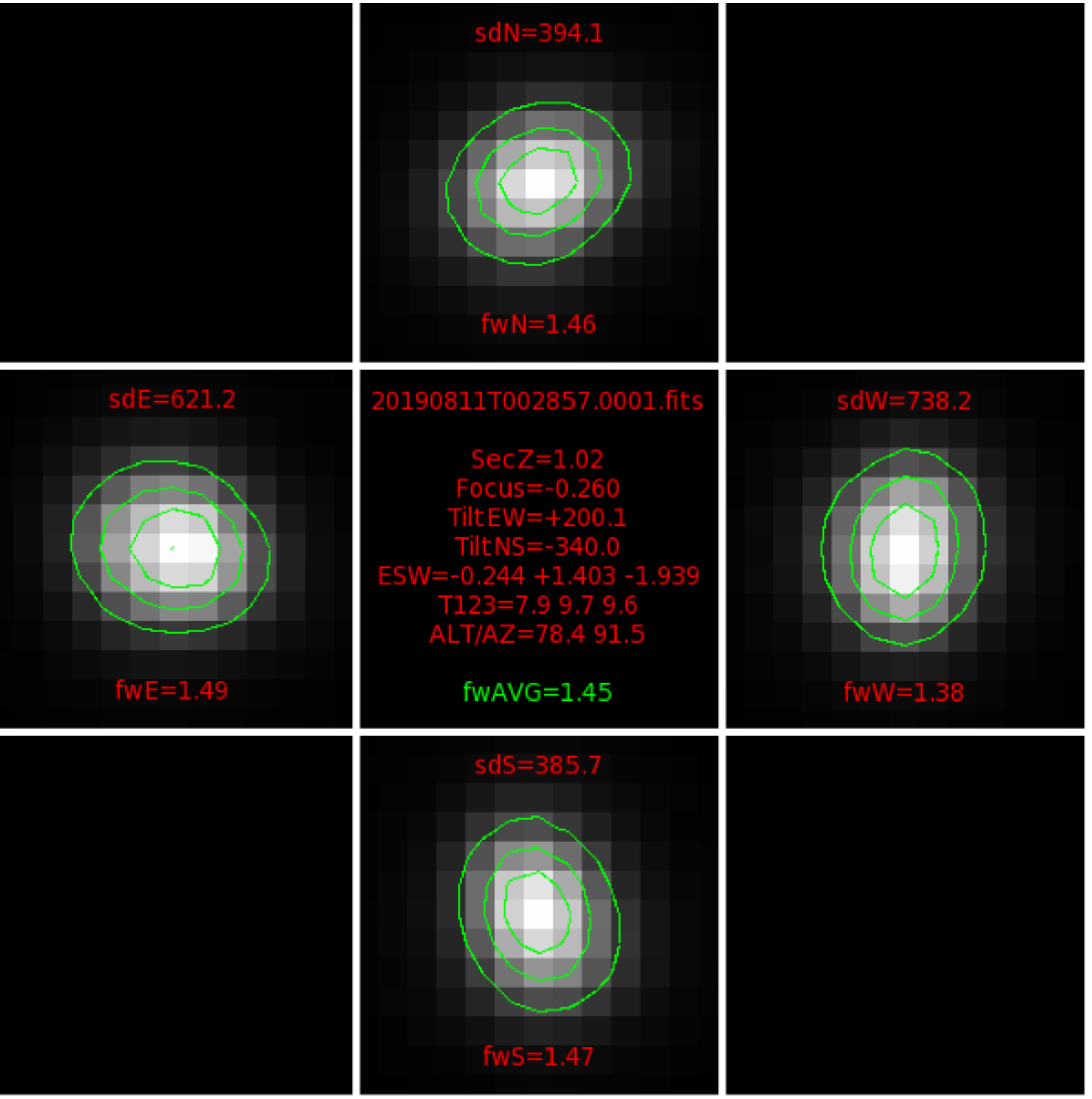
sdN=394.1
fwN=1.46
sdE=621.2
fwE=1.49
20190811T002857.0001.fits
SecZ=1.02
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.9 9.7 9.6
ALT/AZ=78.4 91.5
fwAVG=1.45
sdW=738.2
fwW=1.38
sdS=385.7
fwS=1.47
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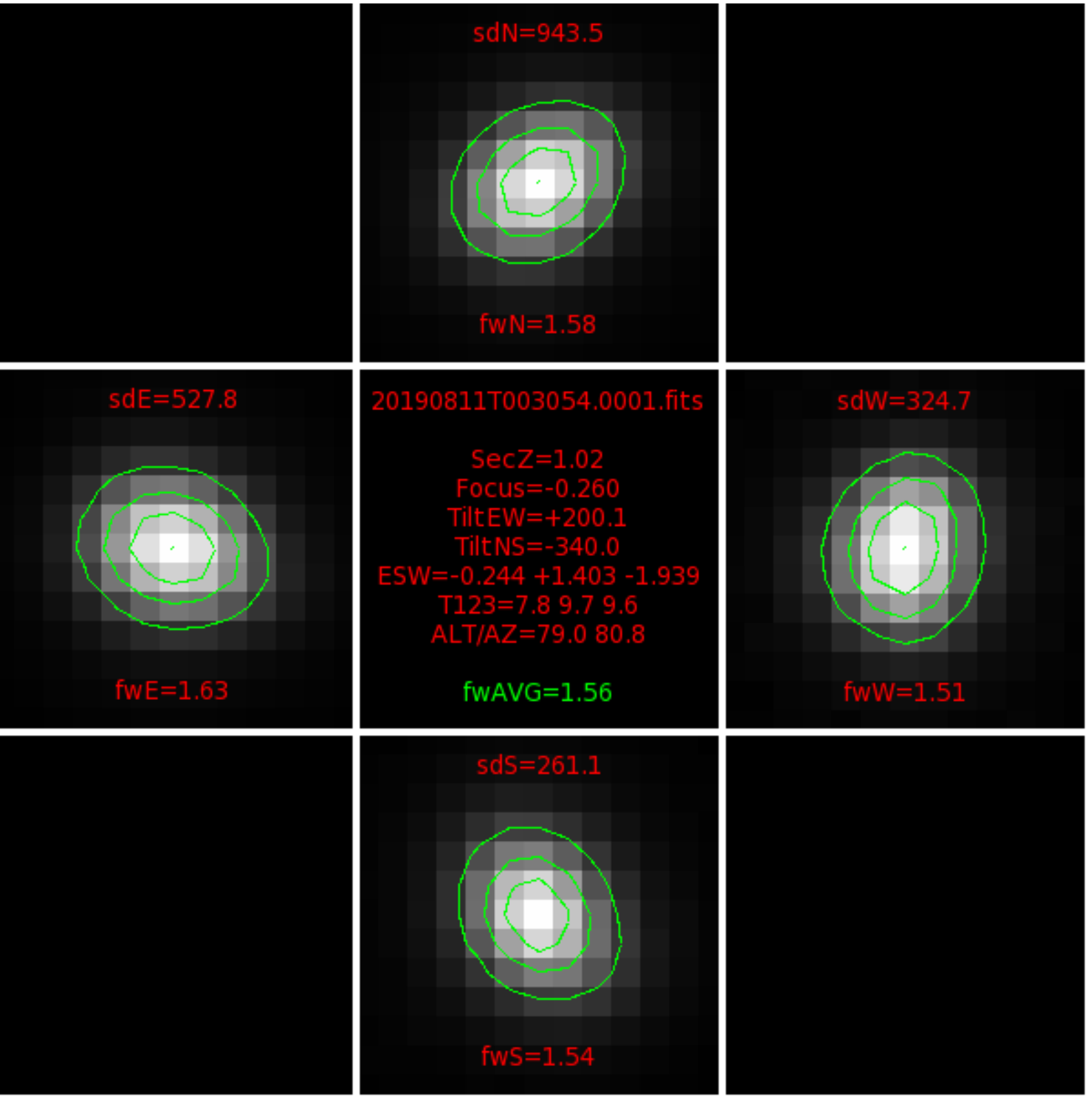
sdN=943.5
fwN=1.58
sdE=527.8
fwE=1.63
20190811T003054.0001.fits
SecZ=1.02
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 9.7 9.6
ALT/AZ=79.0 80.8
fwAVG=1.56
sdW=324.7
fwW=1.51
sdS=261.1
fwS=1.54
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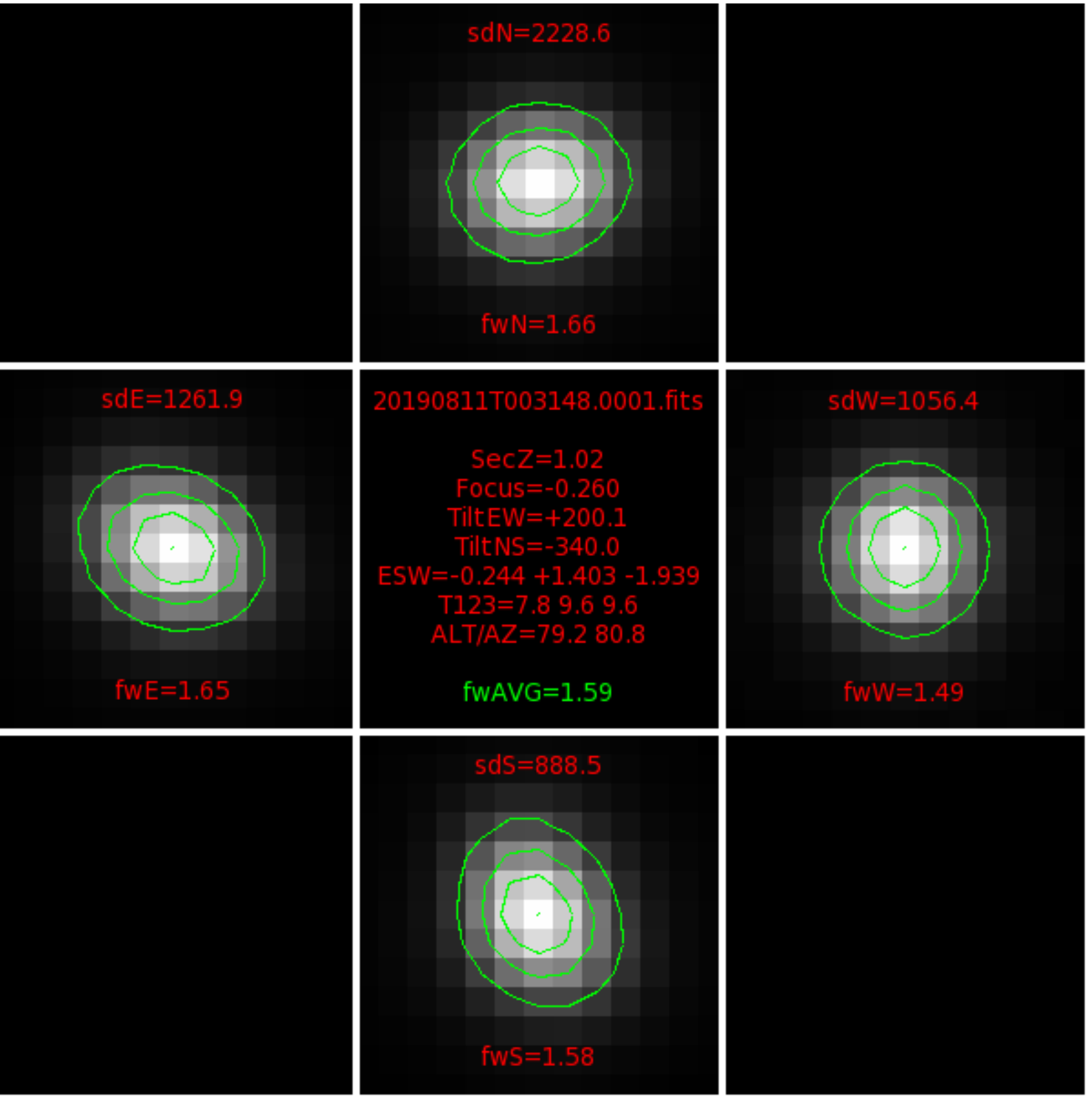
sdN=2228.6
fwN=1.66
sdE=1261.9
fwE=1.65
20190811T003148.0001.fits
SecZ=1.02
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 9.6 9.6
ALT/AZ=79.2 80.8
fwAVG=1.59
sdW=1056.4
fwW=1.49
sdS=888.5
fwS=1.58
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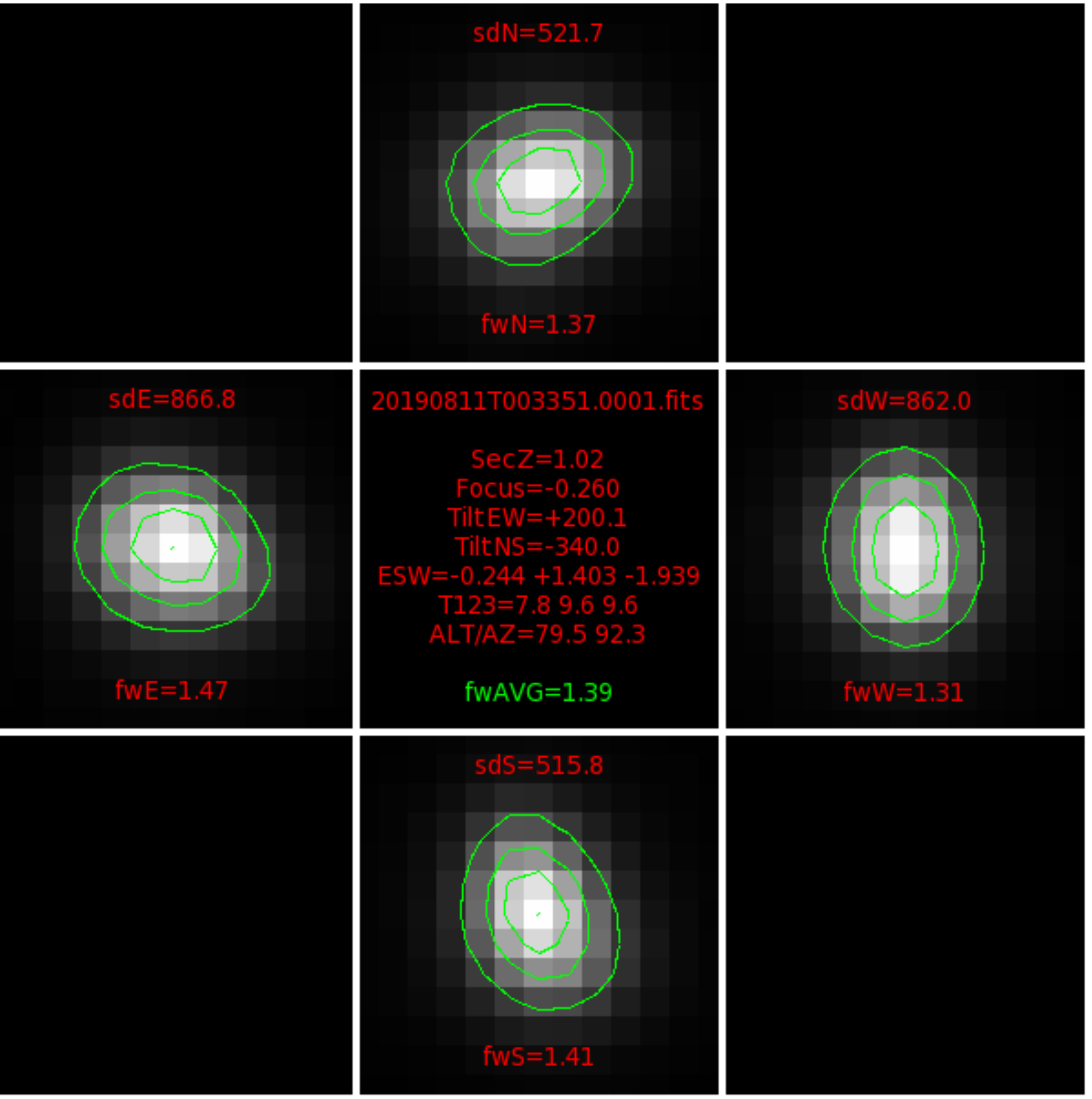
sdN=521.7
fwN=1.37
sdE=866.8
fwE=1.47
20190811T003351.0001.fits
SecZ=1.02
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 9.6 9.6
ALT/AZ=79.5 92.3
fwAVG=1.39
sdW=862.0
fwW=1.31
sdS=515.8
fwS=1.41
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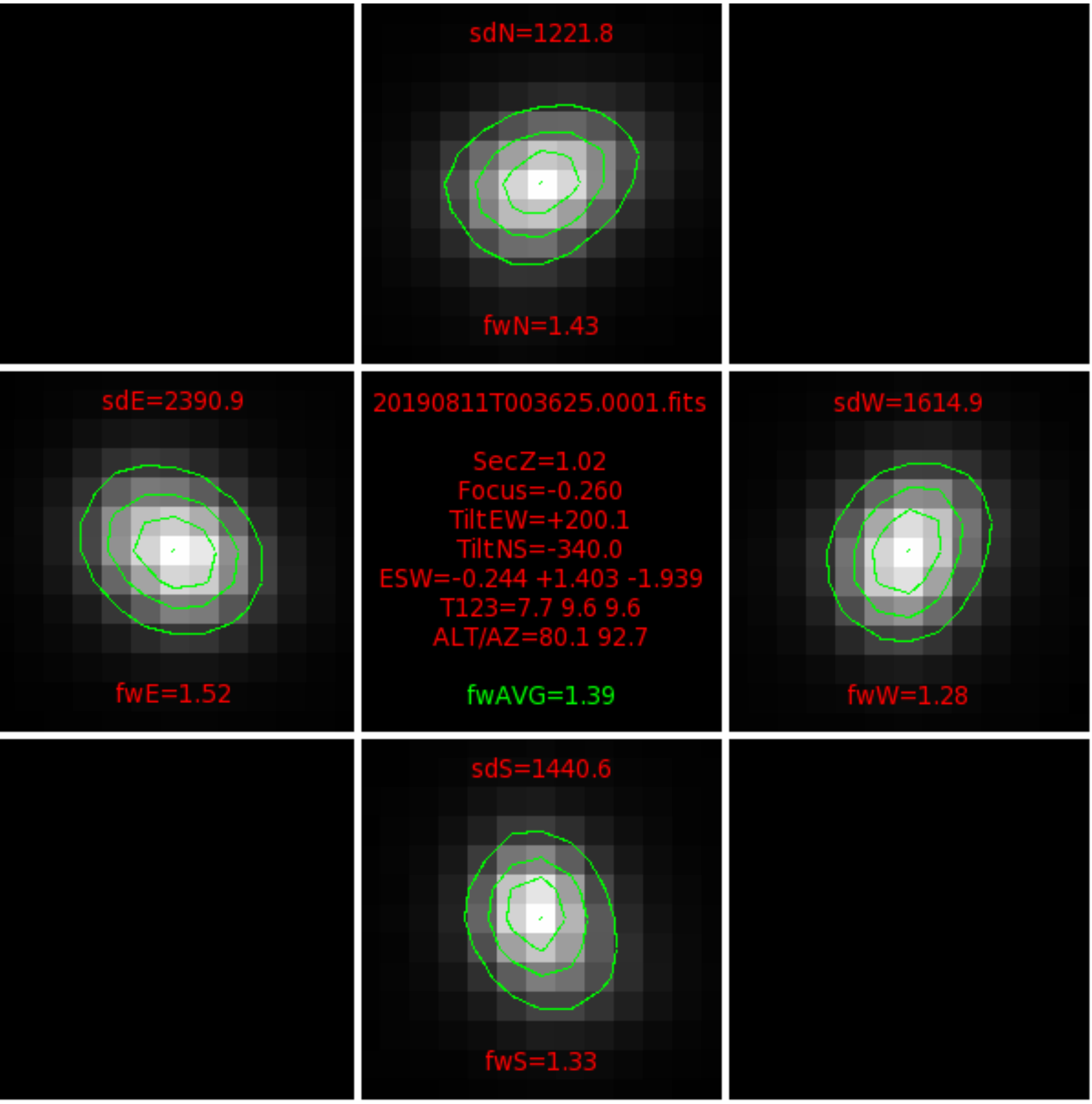
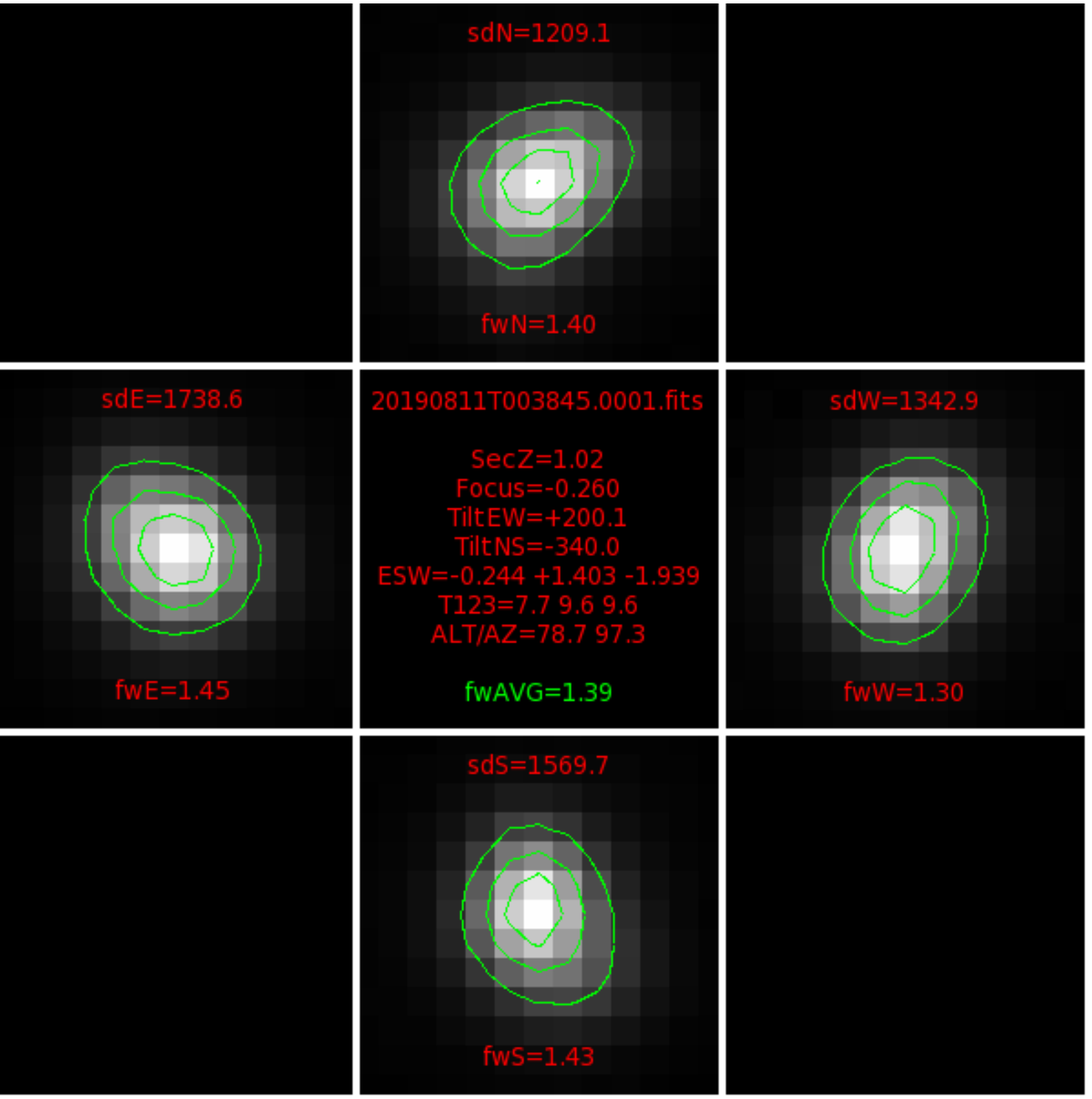

sdN=1221.8
fwN=1.43
sdE=2390.9
fwE=1.52
20190811T003625.0001.fits
SecZ=1.02
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.7 9.6 9.6
ALT/AZ=80.1 92.7
fwAVG=1.39
sdW=1614.9
fwW=1.28
sdS=1440.6
fwS=1.33
0 0 0 0 0 0 0 0 0


sdN=1209.1
fwN=1.40
sdE=1738.6
fwE=1.45
20190811T003845.0001.fits
SecZ=1.02
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.7 9.6 9.6
ALT/AZ=78.7 97.3
fwAVG=1.39
sdW=1342.9
fwW=1.30
sdS=1569.7
fwS=1.43
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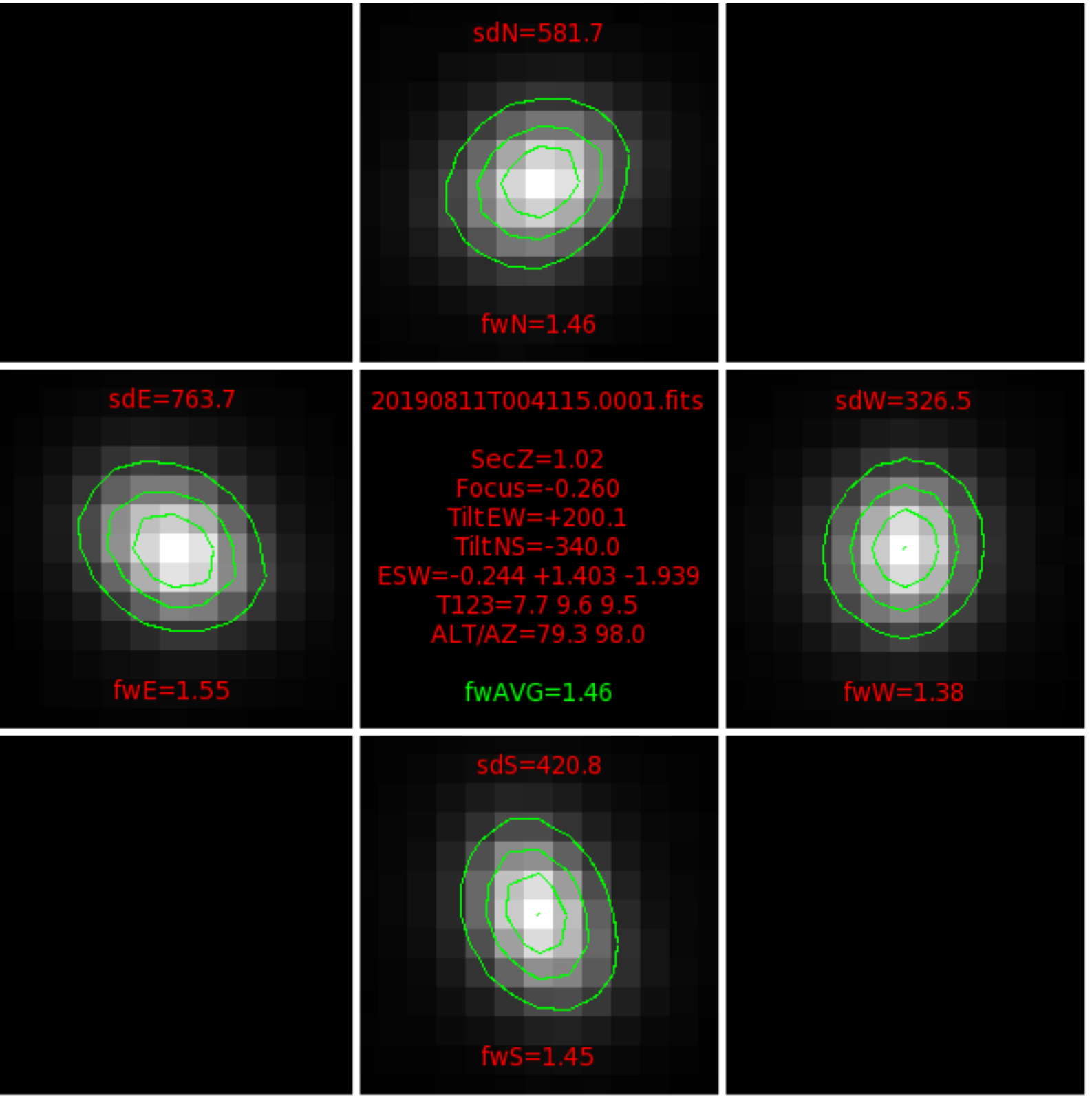
sdN=581.7
fwN=1.46
sdE=763.7
fwE=1.55
20190811T004115.0001.fits
SecZ=1.02
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.7 9.6 9.5
ALT/AZ=79.3 98.0
fwAVG=1.46
sdW=326.5
fwW=1.38
sdS=420.8
fwS=1.45
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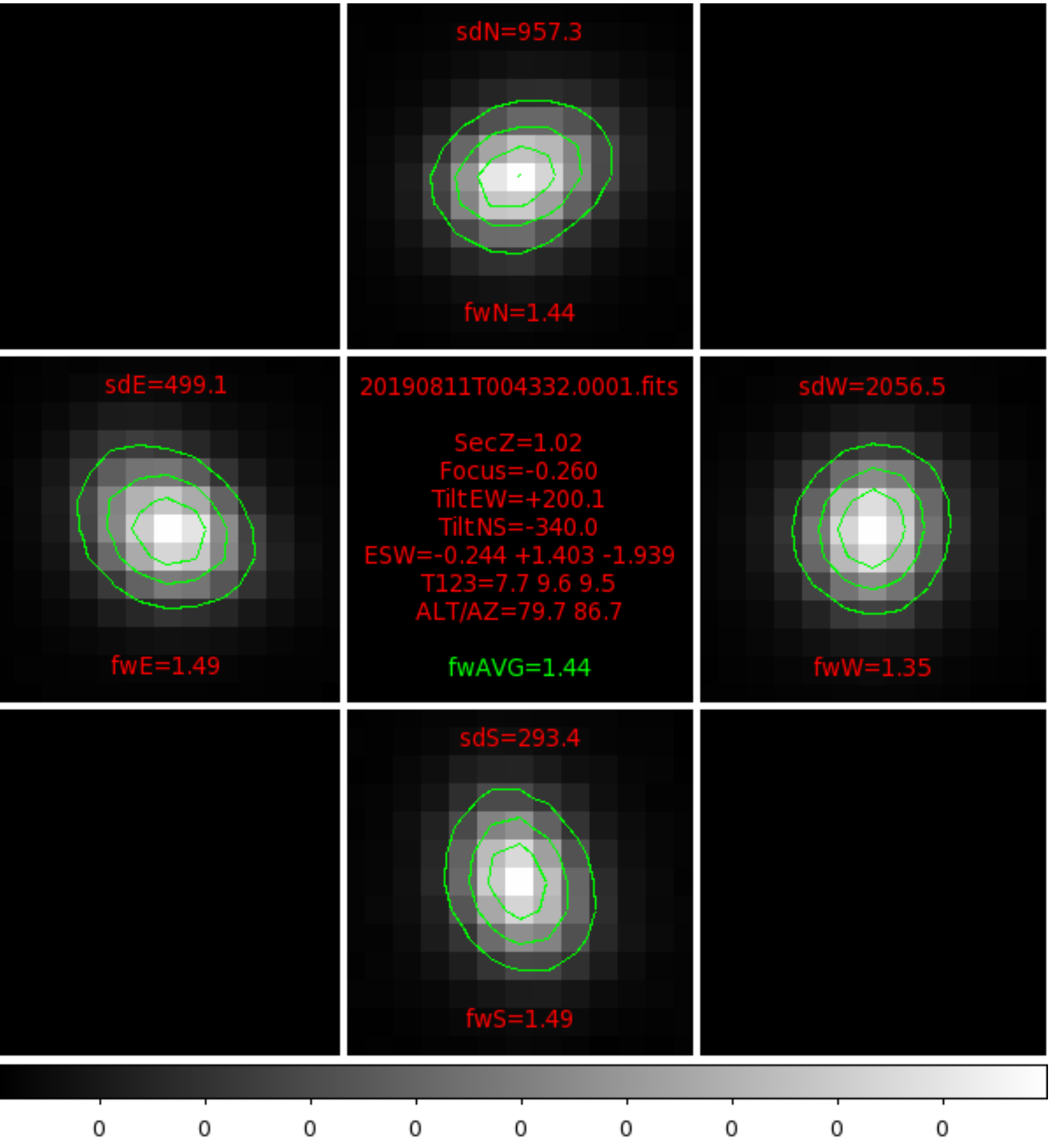
sdN=957.3
fwN=1.44
sdE=499.1
fwE=1.49
20190811T004332.0001.fits
SecZ=1.02
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.7 9.6 9.5
ALT/AZ=79.7 86.7
fwAVG=1.44
sdW=2056.5
fwW=1.35
sdS=293.4
fwS=1.49
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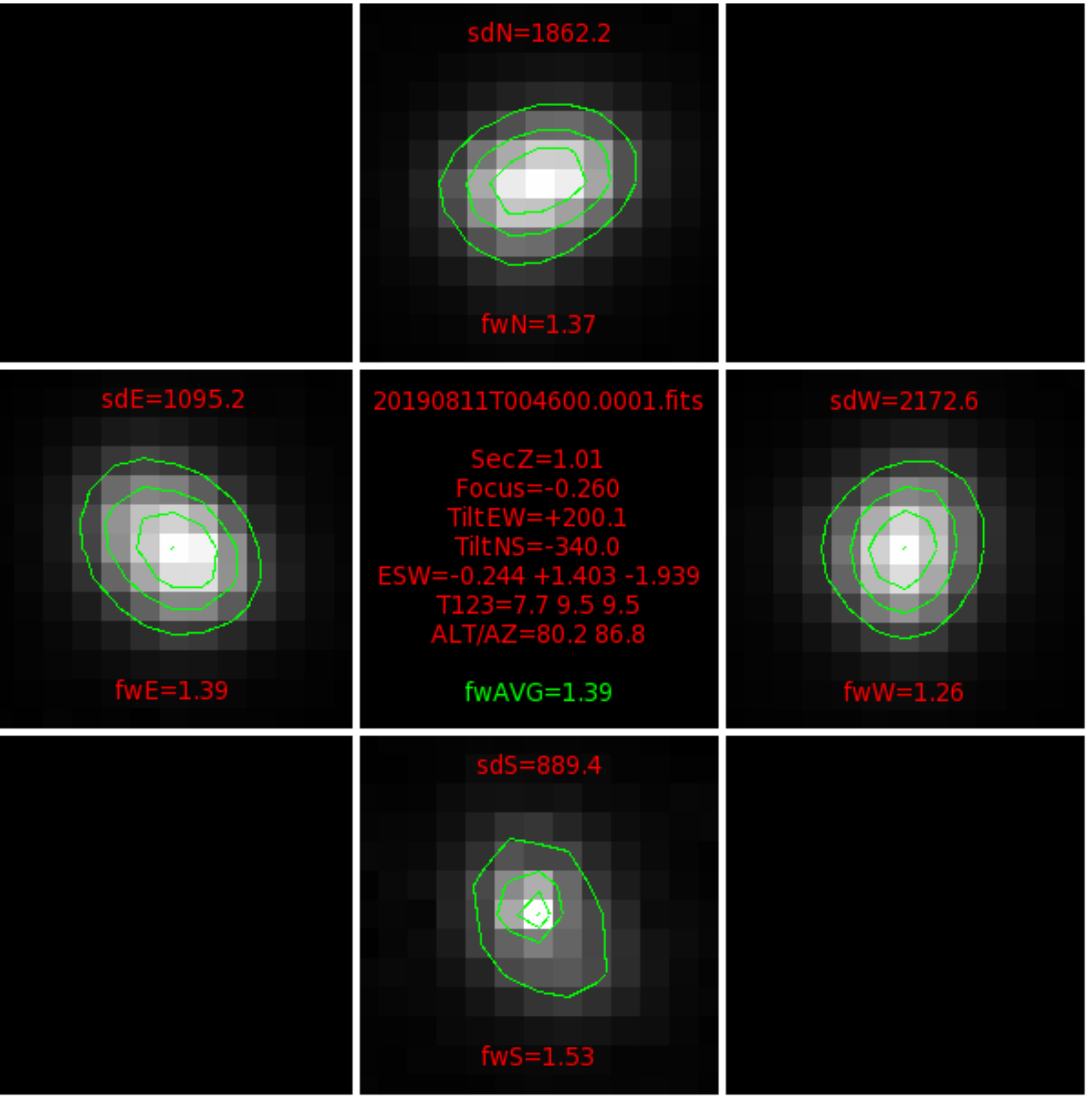
sdN=1862.2
fwN=1.37
sdE=1095.2
fwE=1.39
20190811T004600.0001.fits
SecZ=1.01
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.7 9.5 9.5
ALT/AZ=80.2 86.8
fwAVG=1.39
sdW=2172.6
fwW=1.26
sdS=889.4
fwS=1.53
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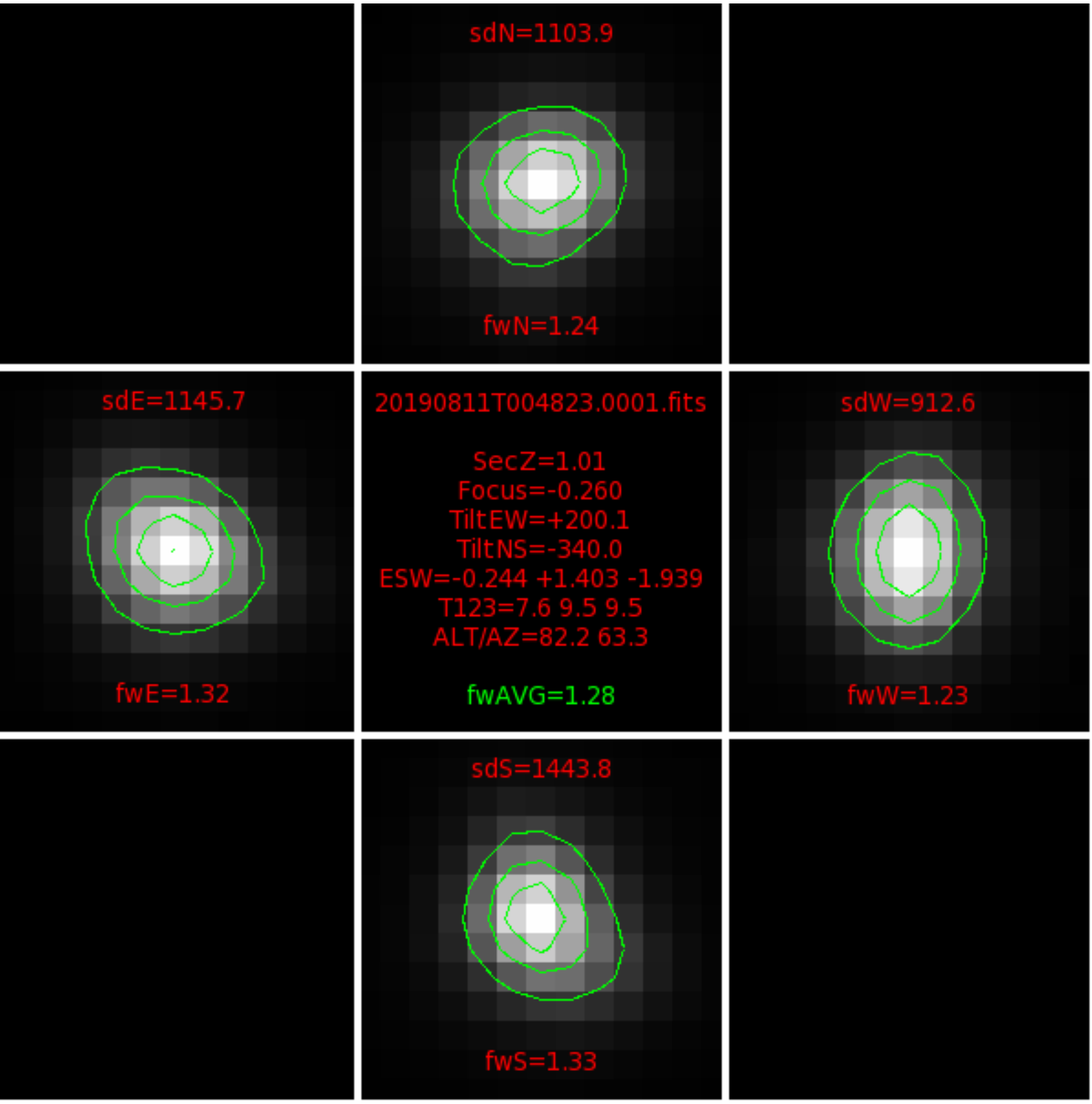
sdN=1103.9
fwN=1.24
sdE=1145.7
fwE=1.32
20190811T004823.0001.fits
SecZ=1.01
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.6 9.5 9.5
ALT/AZ=82.2 63.3
fwAVG=1.28
sdW=912.6
fwW=1.23
sdS=1443.8
fwS=1.33
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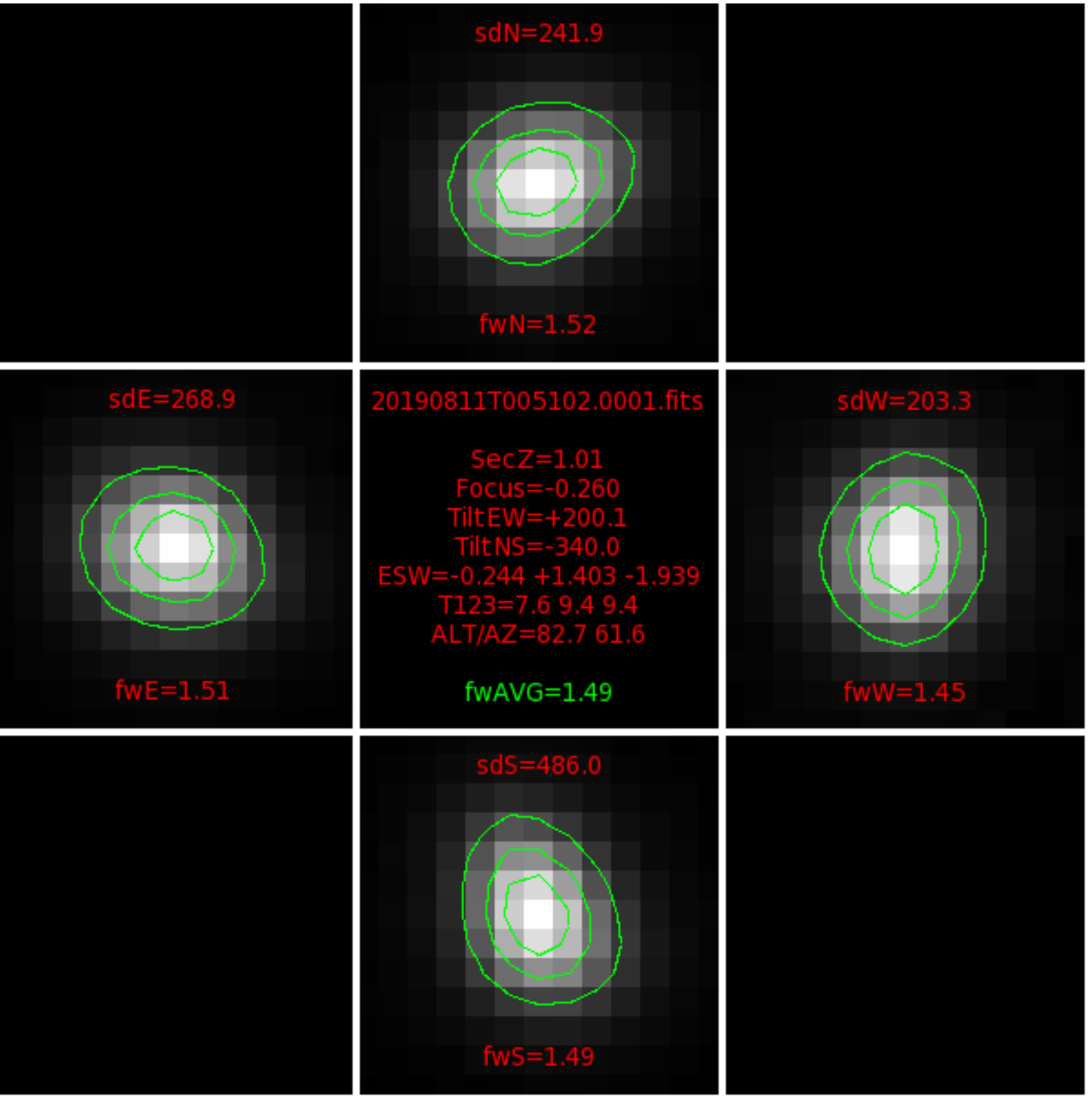
sdN=241.9
fwN=1.52
sdE=268.9
fwE=1.51
20190811T005102.0001.fits
SecZ=1.01
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.6 9.4 9.4
ALT/AZ=82.7 61.6
fwAVG=1.49
sdW=203.3
fwW=1.45
sdS=486.0
fwS=1.49
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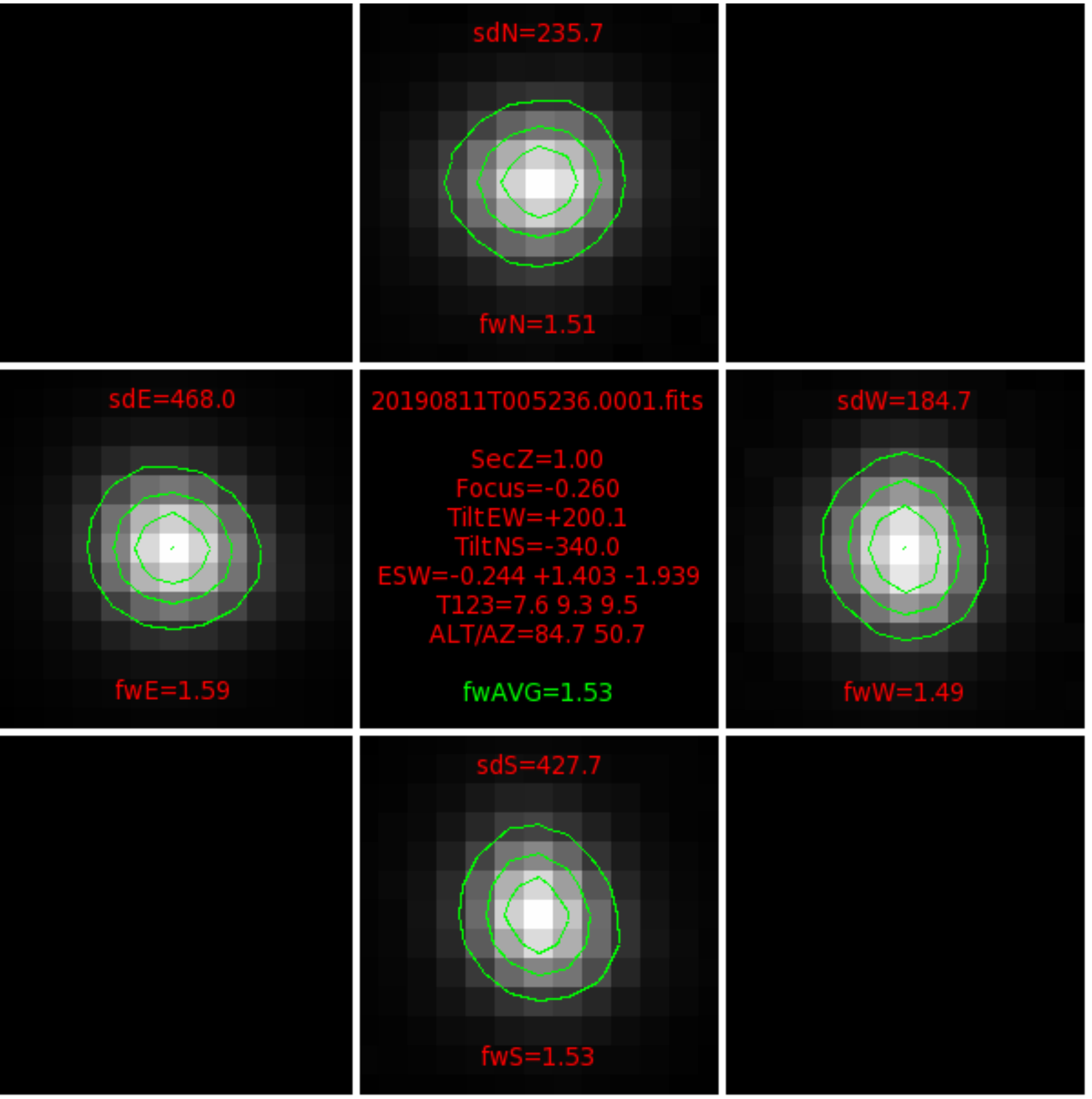
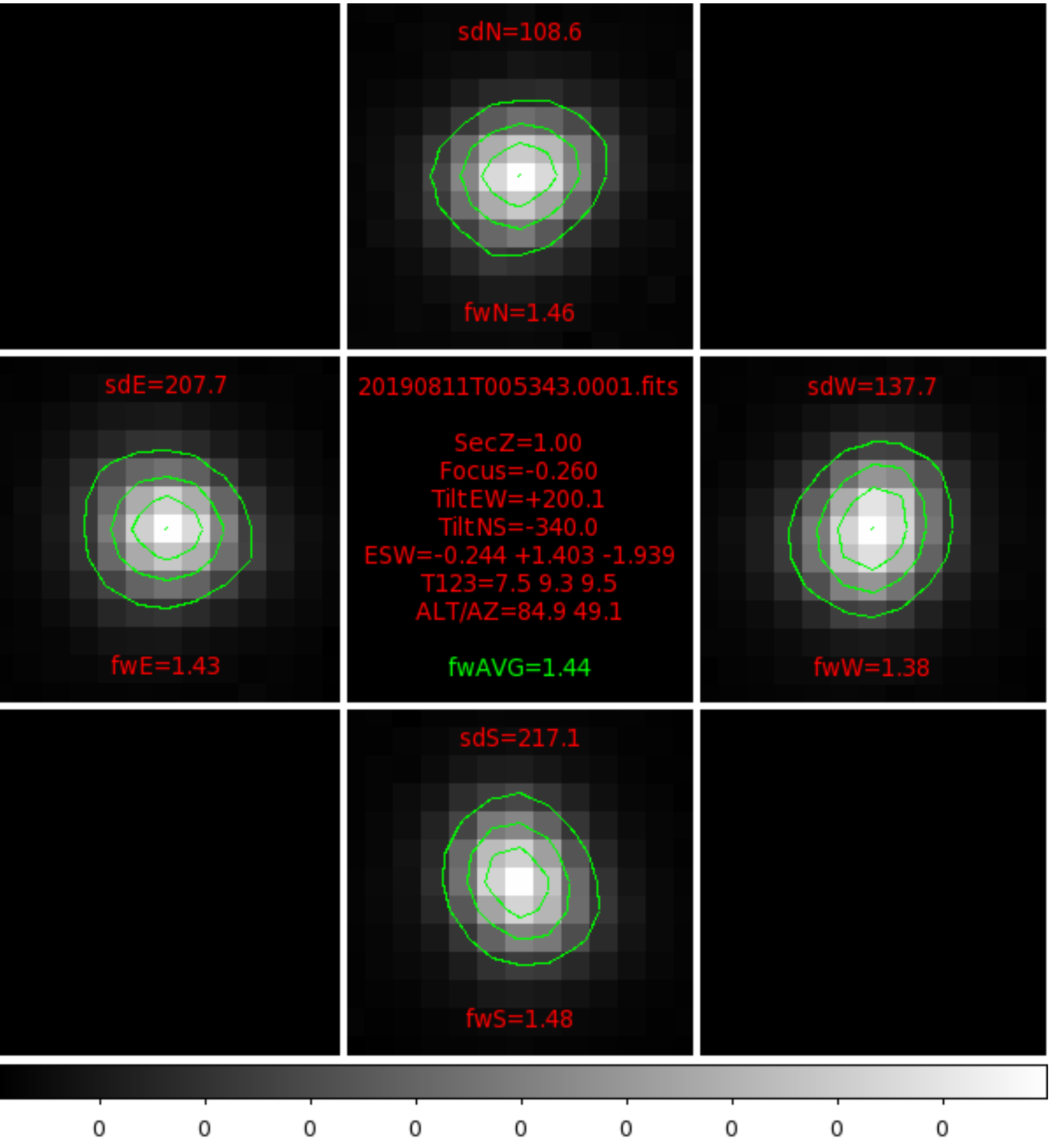

sdN=235.7
fwN=1.51
sdE=468.0
fwE=1.59
20190811T005236.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.6 9.3 9.5
ALT/AZ=84.7 50.7
fwAVG=1.53
sdW=184.7
fwW=1.49
sdS=427.7
fwS=1.53
0 0 0 0 0 0 0 0 0


sdN=108.6
fwN=1.46
sdE=207.7
fwE=1.43
20190811T005343.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.5 9.3 9.5
ALT/AZ=84.9 49.1
fwAVG=1.44
sdW=137.7
fwW=1.38
sdS=217.1
fwS=1.48
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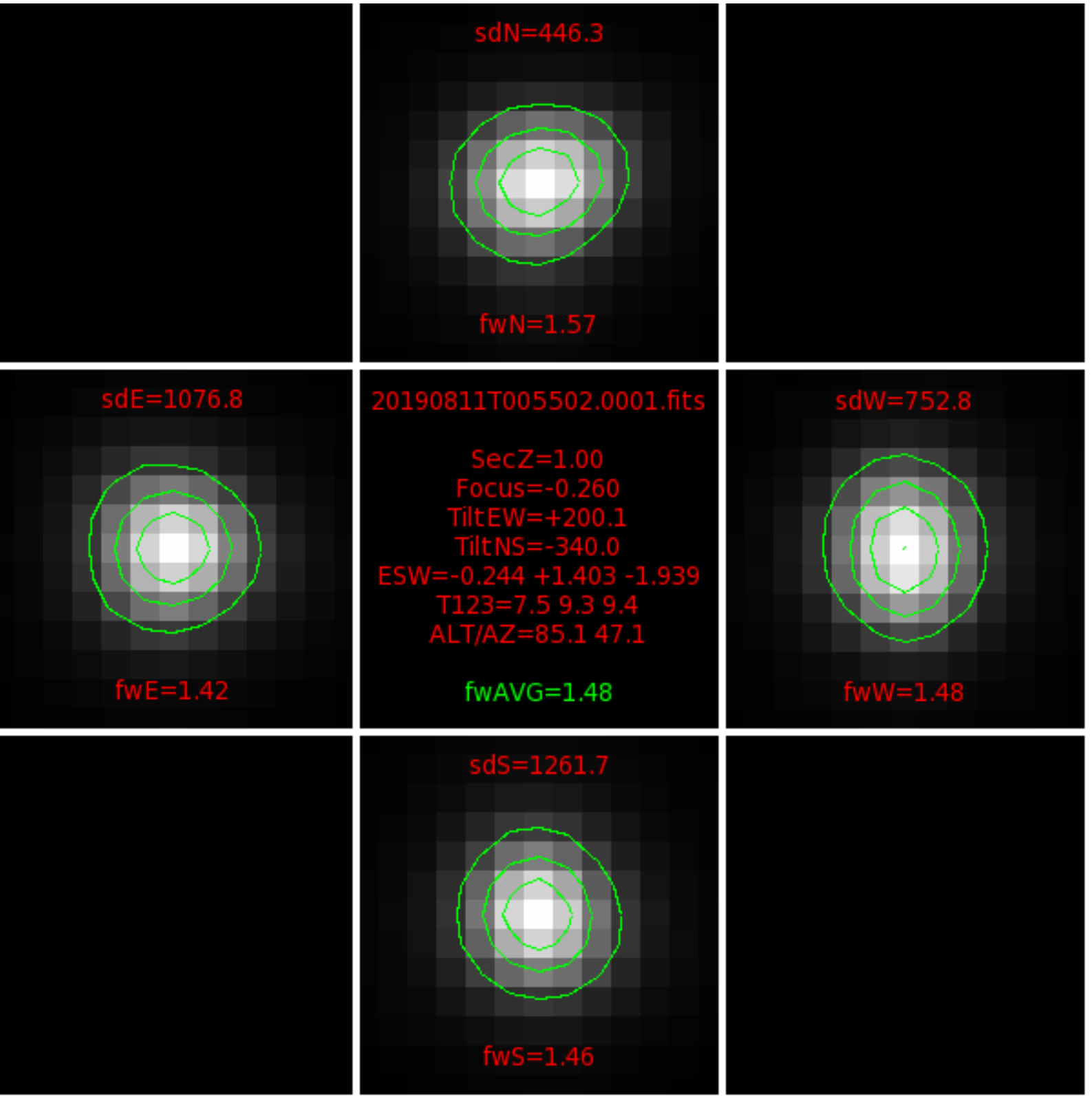
sdN=446.3
fwN=1.57
sdE=1076.8
fwE=1.42
20190811T005502.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.5 9.3 9.4
ALT/AZ=85.1 47.1
fwAVG=1.48
sdW=752.8
fwW=1.48
sdS=1261.7
fwS=1.46
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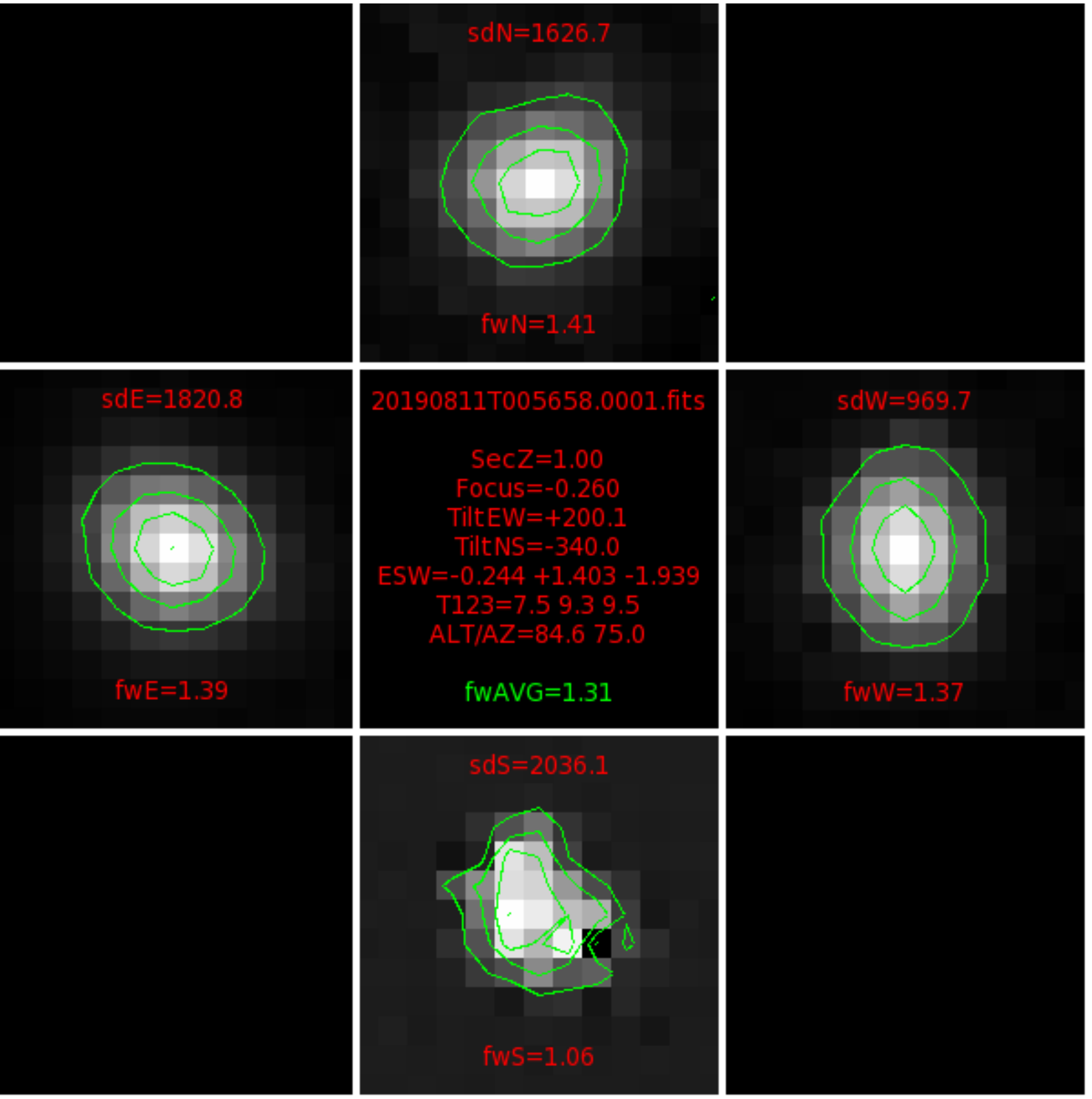
sdN=1626.7
fwN=1.41
sdE=1820.8
fwE=1.39
20190811T005658.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.5 9.3 9.5
ALT/AZ=84.6 75.0
fwAVG=1.31
sdW=969.7
fwW=1.37
sdS=2036.1
fwS=1.06
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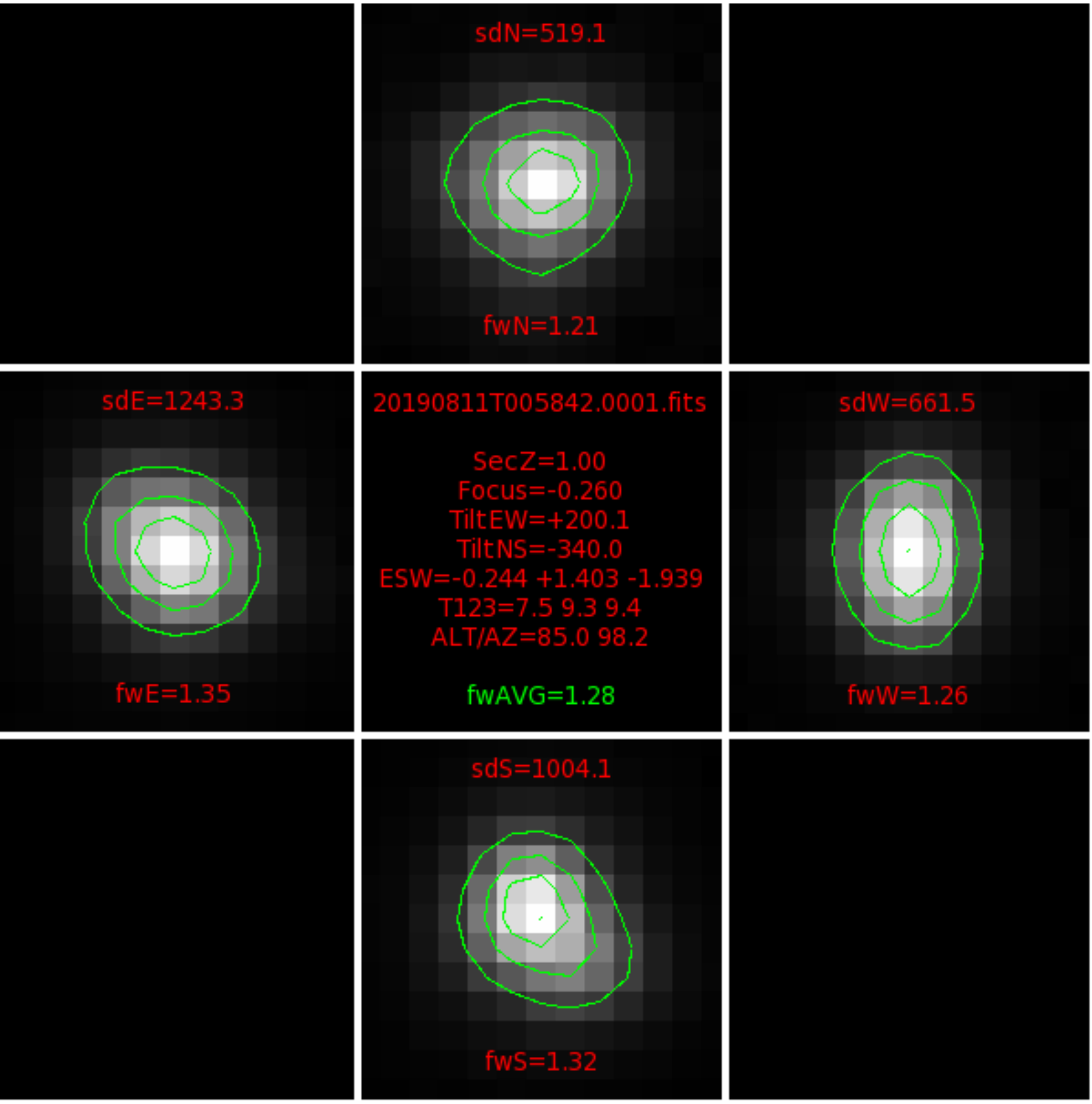
sdN=519.1
fwN=1.21
sdE=1243.3
fwE=1.35
20190811T005842.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.5 9.3 9.4
ALT/AZ=85.0 98.2
fwAVG=1.28
sdW=661.5
fwW=1.26
sdS=1004.1
fwS=1.32
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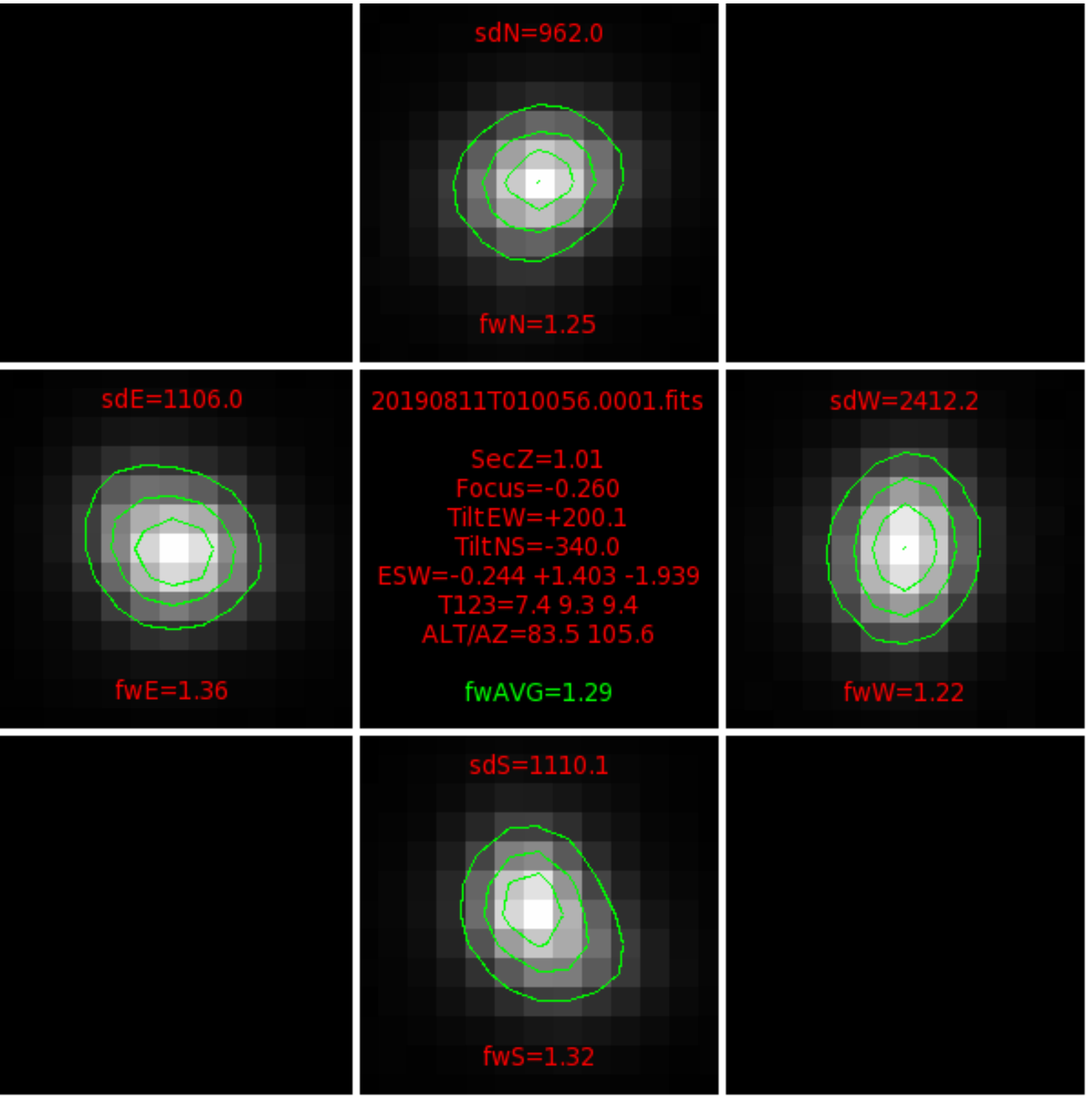
sdN=962.0
fwN=1.25
sdE=1106.0
fwE=1.36
20190811T010056.0001.fits
SecZ=1.01
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.4 9.3 9.4
ALT/AZ=83.5 105.6
fwAVG=1.29
sdW=2412.2
fwW=1.22
sdS=1110.1
fwS=1.32
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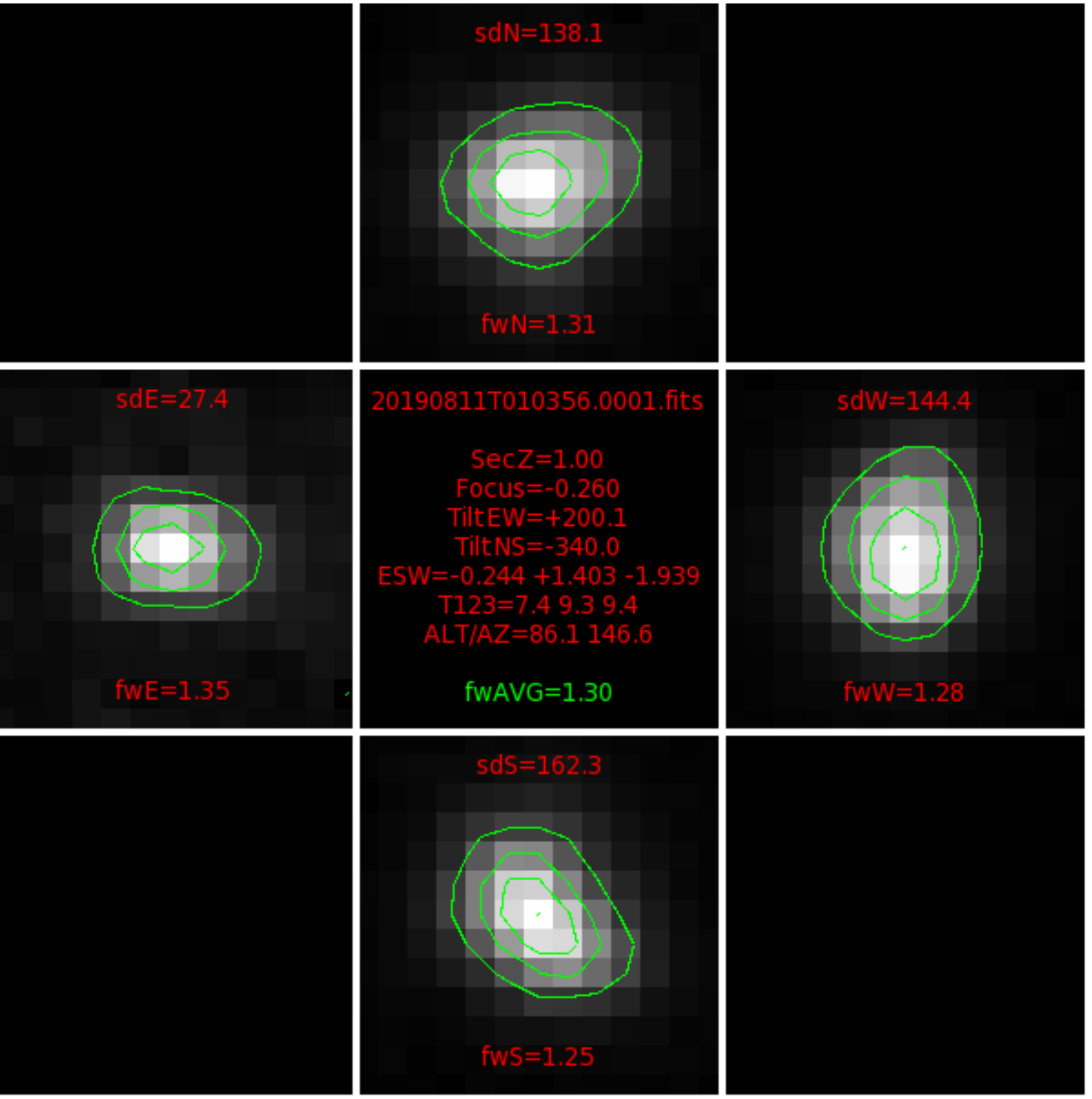
sdN=138.1
fwN=1.31
sdE=27.4
fwE=1.35
20190811T010356.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.4 9.3 9.4
ALT/AZ=86.1 146.6
fwAVG=1.30
sdW=144.4
fwW=1.28
sdS=162.3
fwS=1.25
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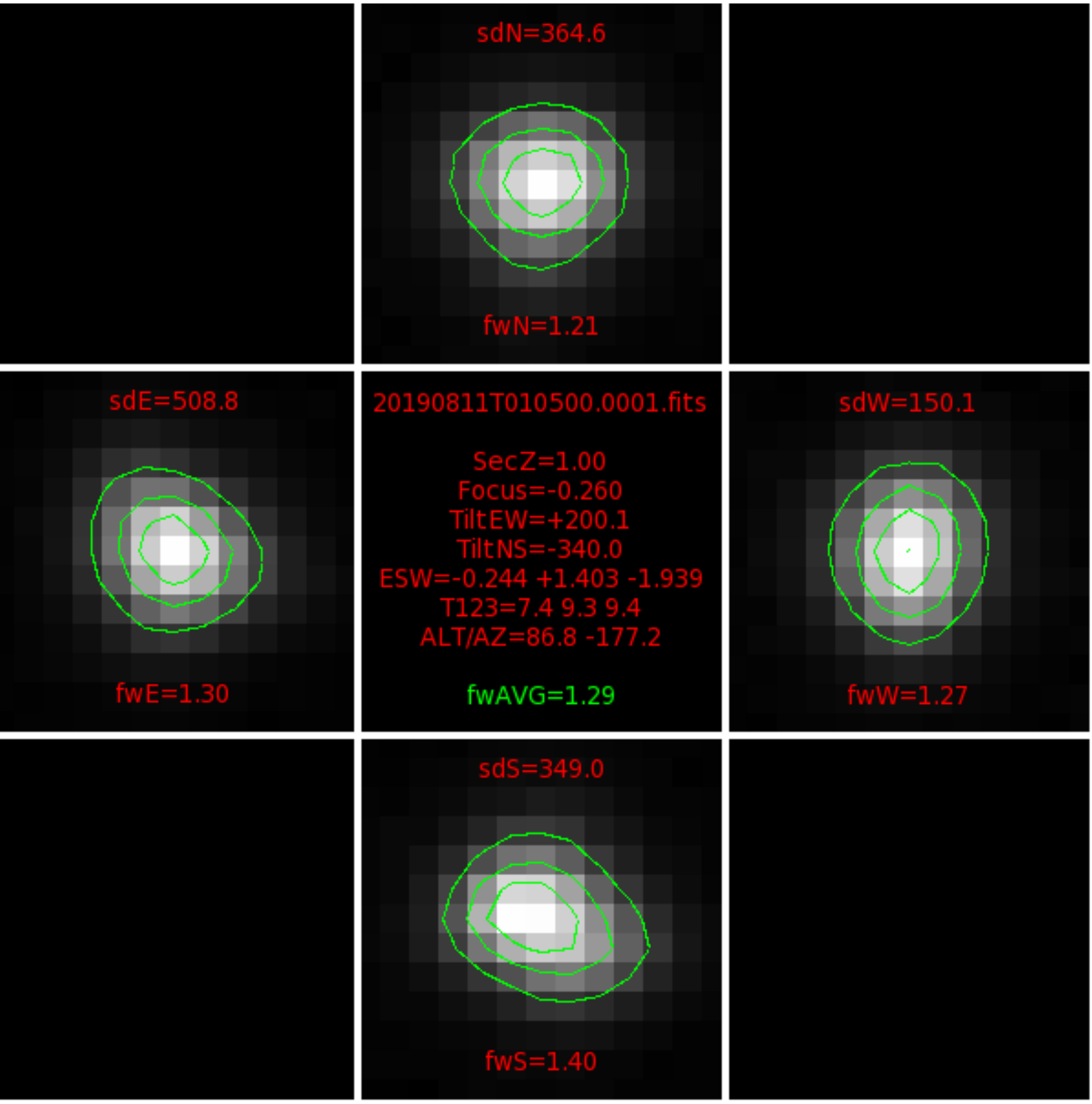
sdN=364.6
fwN=1.21
sdE=508.8
fwE=1.30
20190811T010500.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.4 9.3 9.4
ALT/AZ=86.8 -177.2
fwAVG=1.29
sdW=150.1
fwW=1.27
sdS=349.0
fwS=1.40
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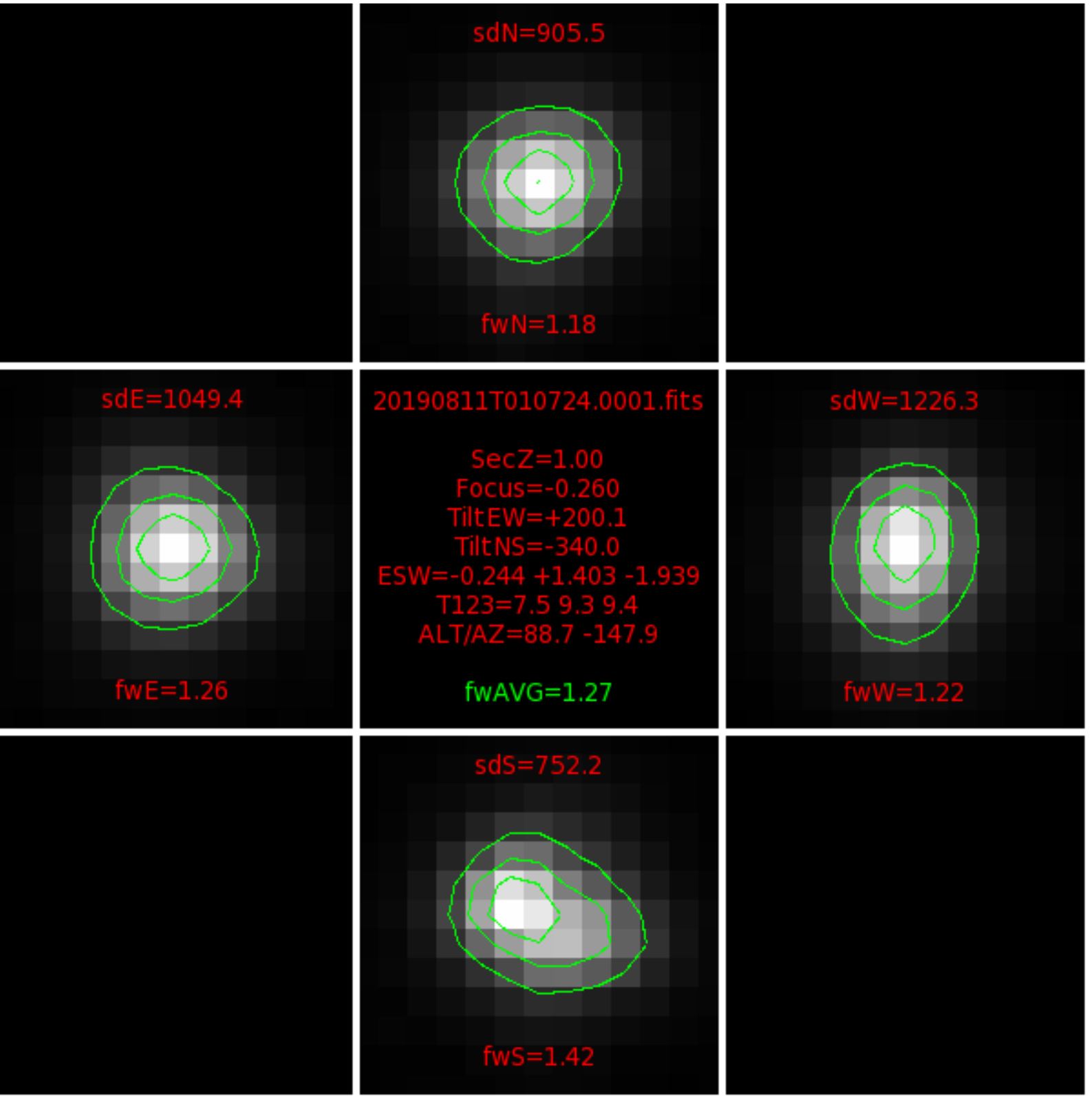
sdN=905.5
fwN=1.18
sdE=1049.4
fwE=1.26
20190811T010724.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.5 9.3 9.4
ALT/AZ=88.7 -147.9
fwAVG=1.27
sdW=1226.3
fwW=1.22
sdS=752.2
fwS=1.42
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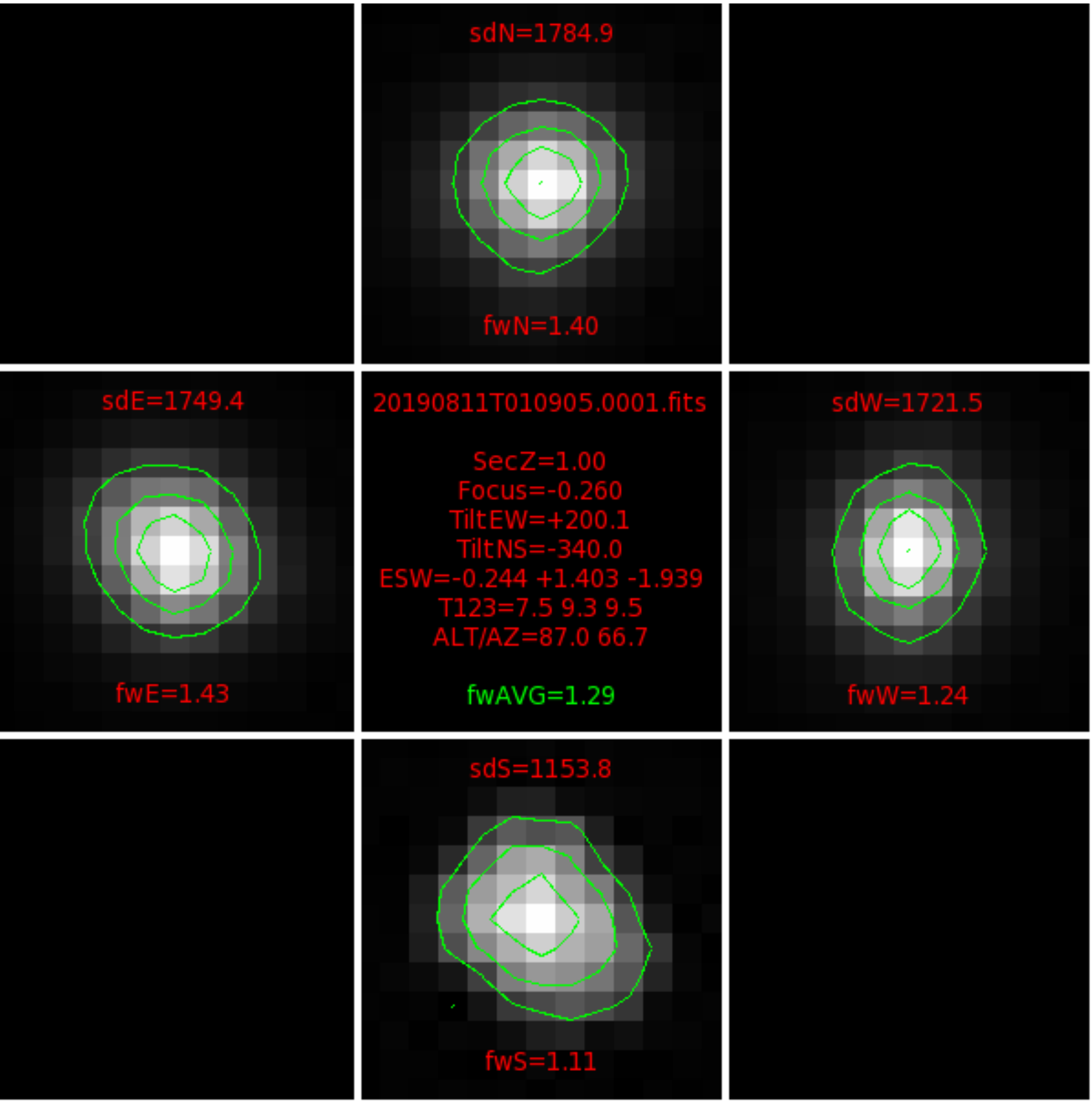
sdN=1784.9
fwN=1.40
sdE=1749.4
fwE=1.43
20190811T010905.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.5 9.3 9.5
ALT/AZ=87.0 66.7
fwAVG=1.29
sdW=1721.5
fwW=1.24
sdS=1153.8
fwS=1.11
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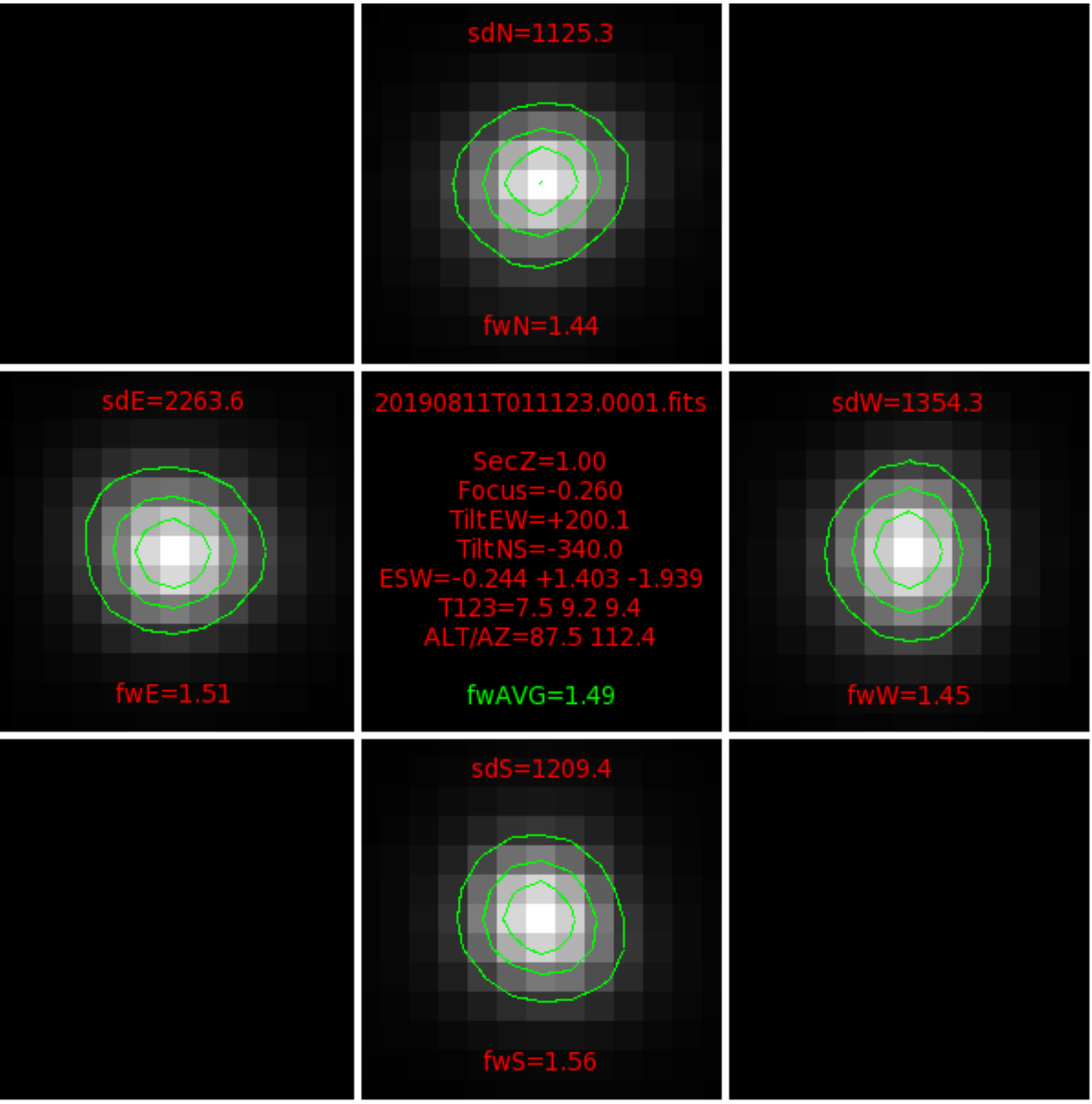
sdN=1125.3
fwN=1.44
sdE=2263.6
fwE=1.51
20190811T011123.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.5 9.2 9.4
ALT/AZ=87.5 112.4
fwAVG=1.49
sdW=1354.3
fwW=1.45
sdS=1209.4
fwS=1.56
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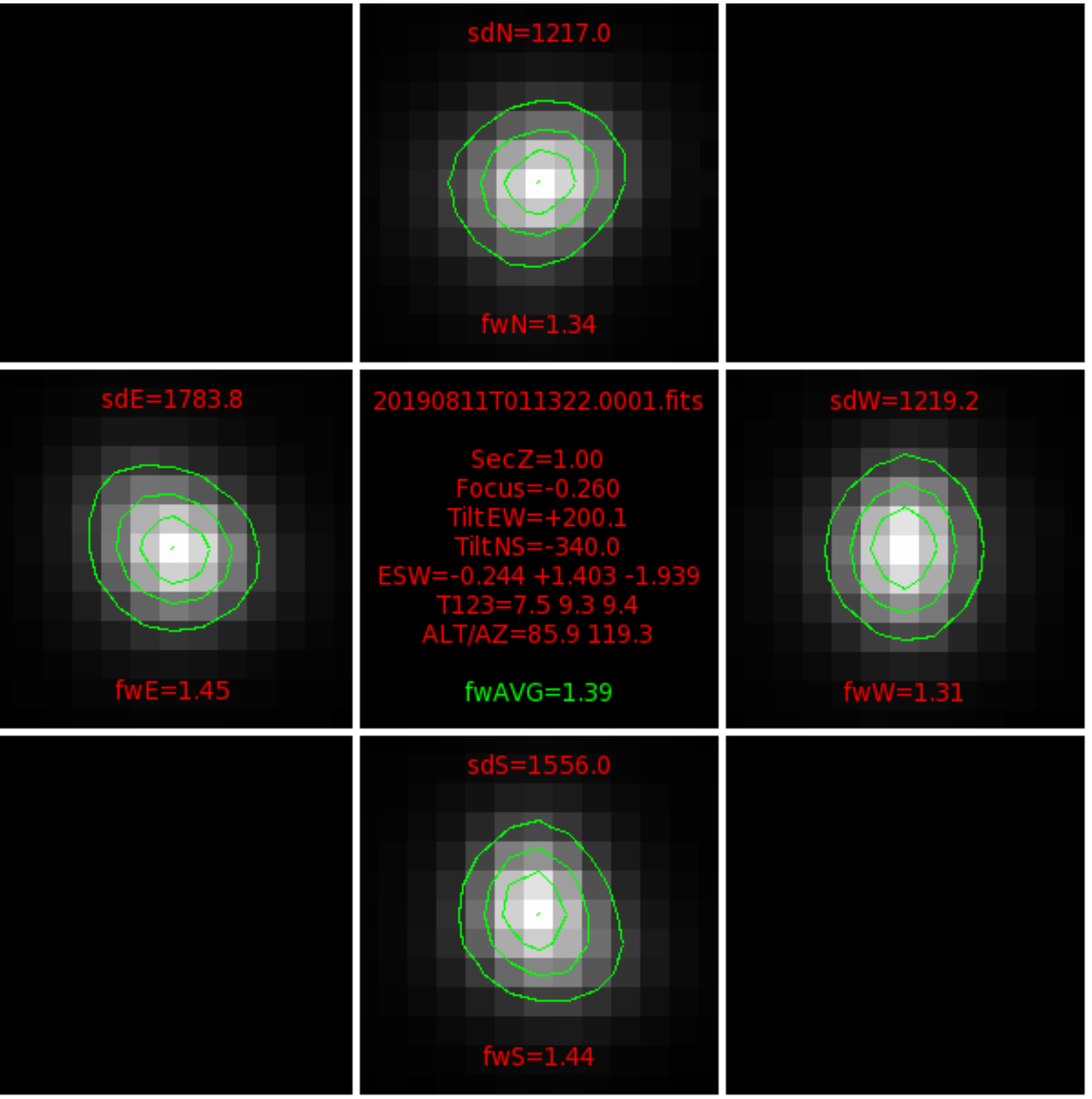
sdN=1217.0
fwN=1.34
sdE=1783.8
fwE=1.45
20190811T011322.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.5 9.3 9.4
ALT/AZ=85.9 119.3
fwAVG=1.39
sdW=1219.2
fwW=1.31
sdS=1556.0
fwS=1.44
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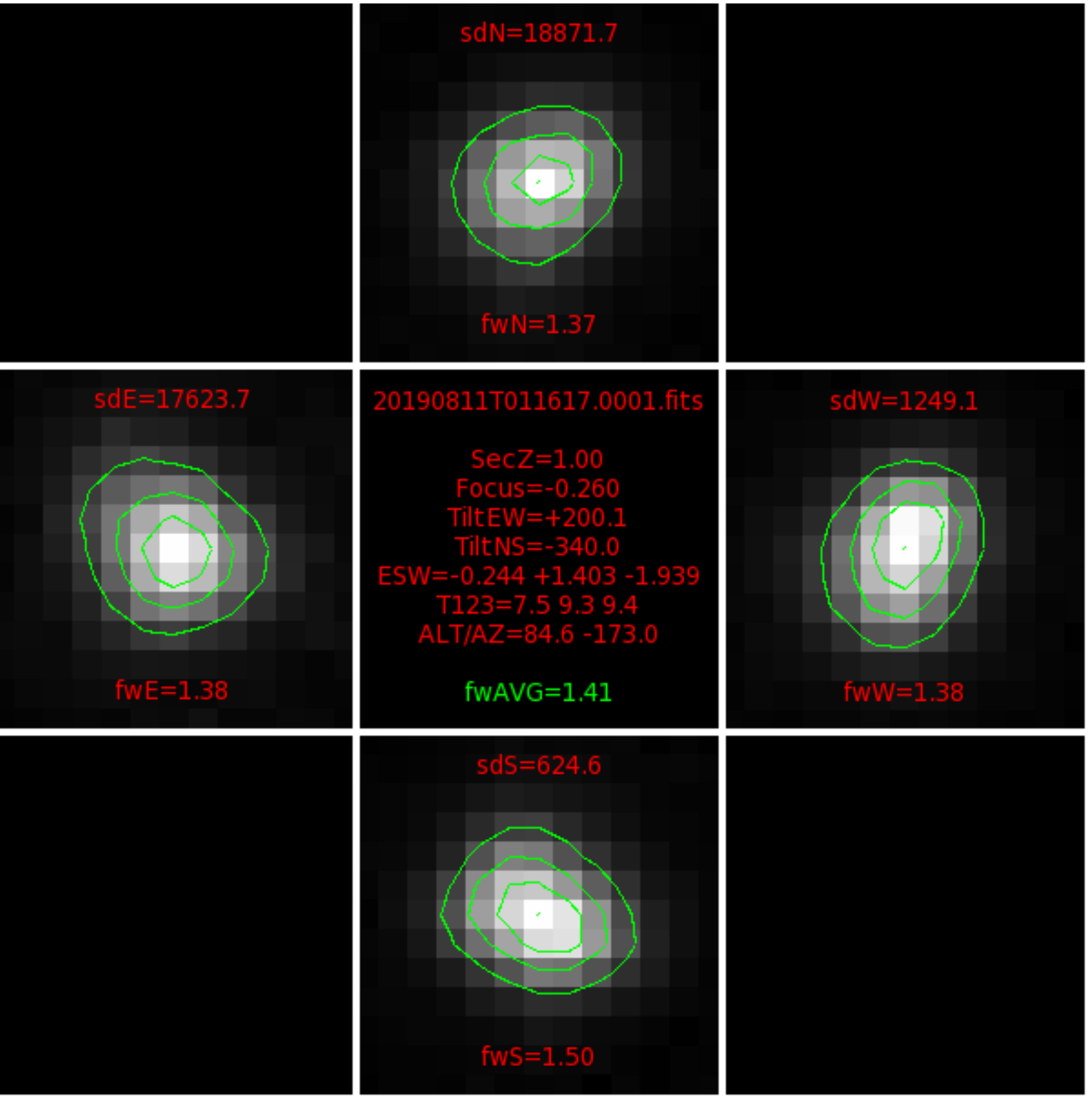
sdN=18871.7
fwN=1.37
sdE=17623.7
fwE=1.38
20190811T011617.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.5 9.3 9.4
ALT/AZ=84.6 -173.0
fwAVG=1.41
sdW=1249.1
fwW=1.38
sdS=624.6
fwS=1.50
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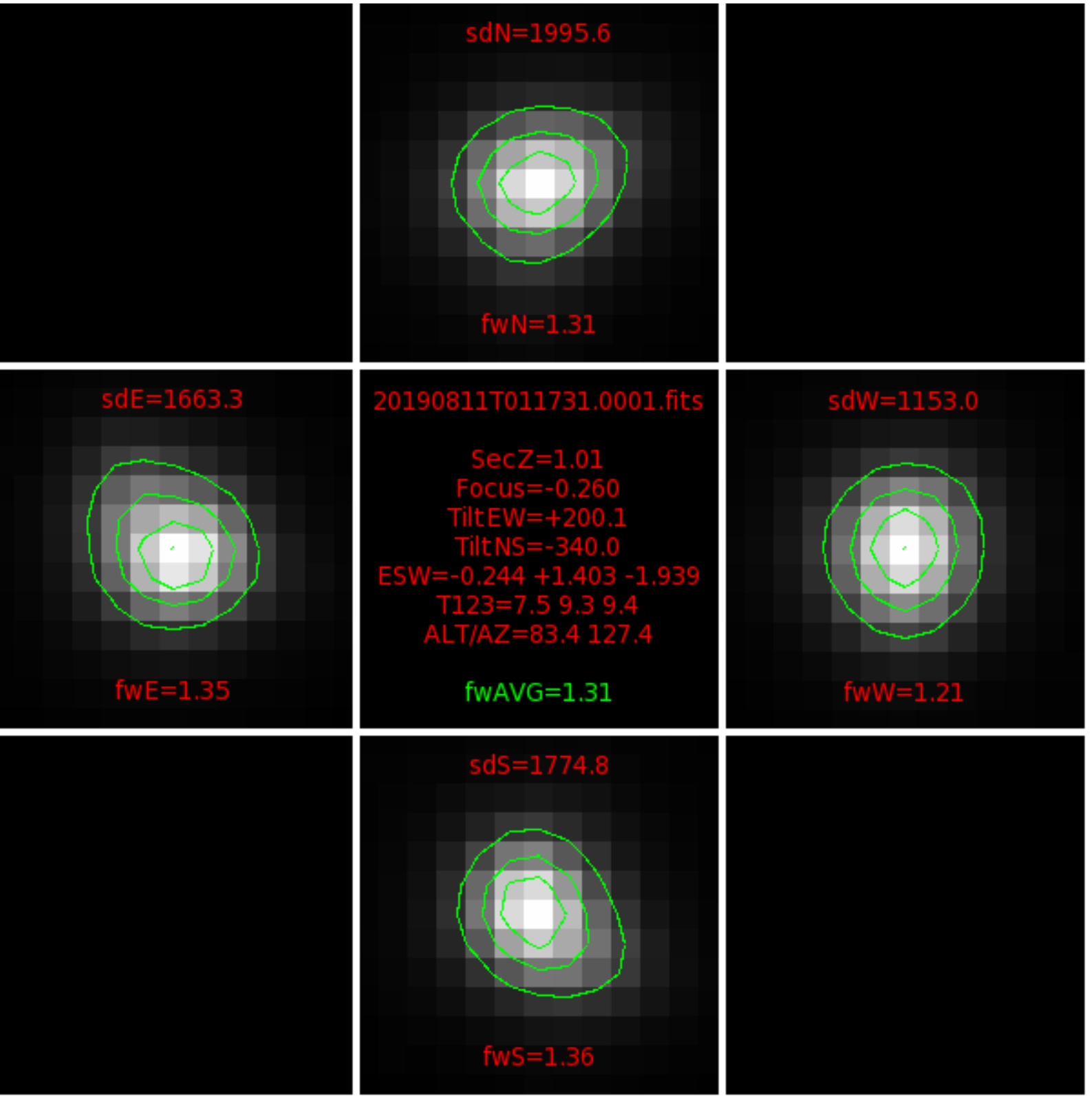
sdN=1995.6
fwN=1.31
sdE=1663.3
fwE=1.35
20190811T011731.0001.fits
SecZ=1.01
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.5 9.3 9.4
ALT/AZ=83.4 127.4
fwAVG=1.31
sdW=1153.0
fwW=1.21
sdS=1774.8
fwS=1.36
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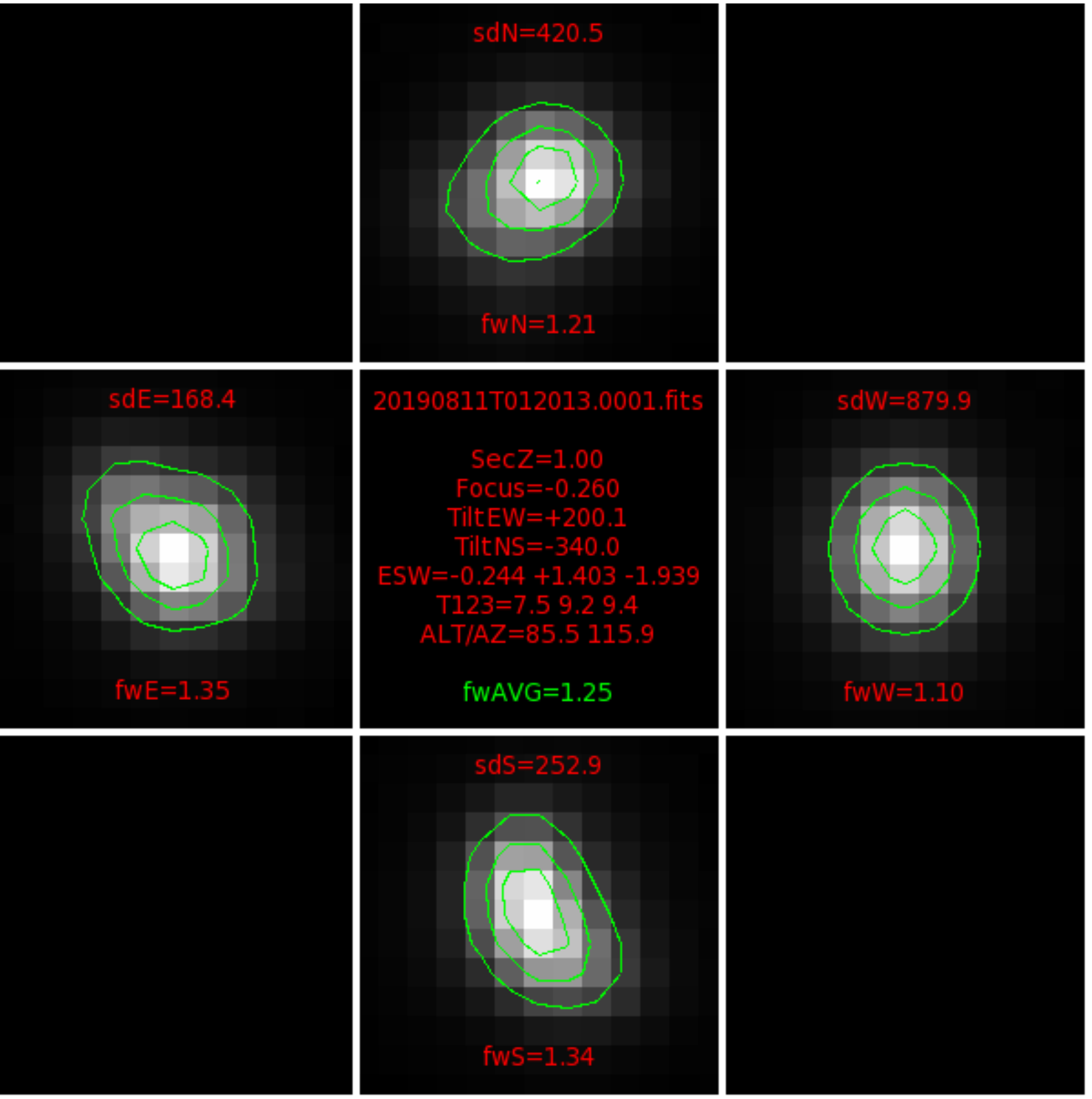
sdN=420.5
fwN=1.21
sdE=168.4
fwE=1.35
20190811T012013.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.5 9.2 9.4
ALT/AZ=85.5 115.9
fwAVG=1.25
sdW=879.9
fwW=1.10
sdS=252.9
fwS=1.34
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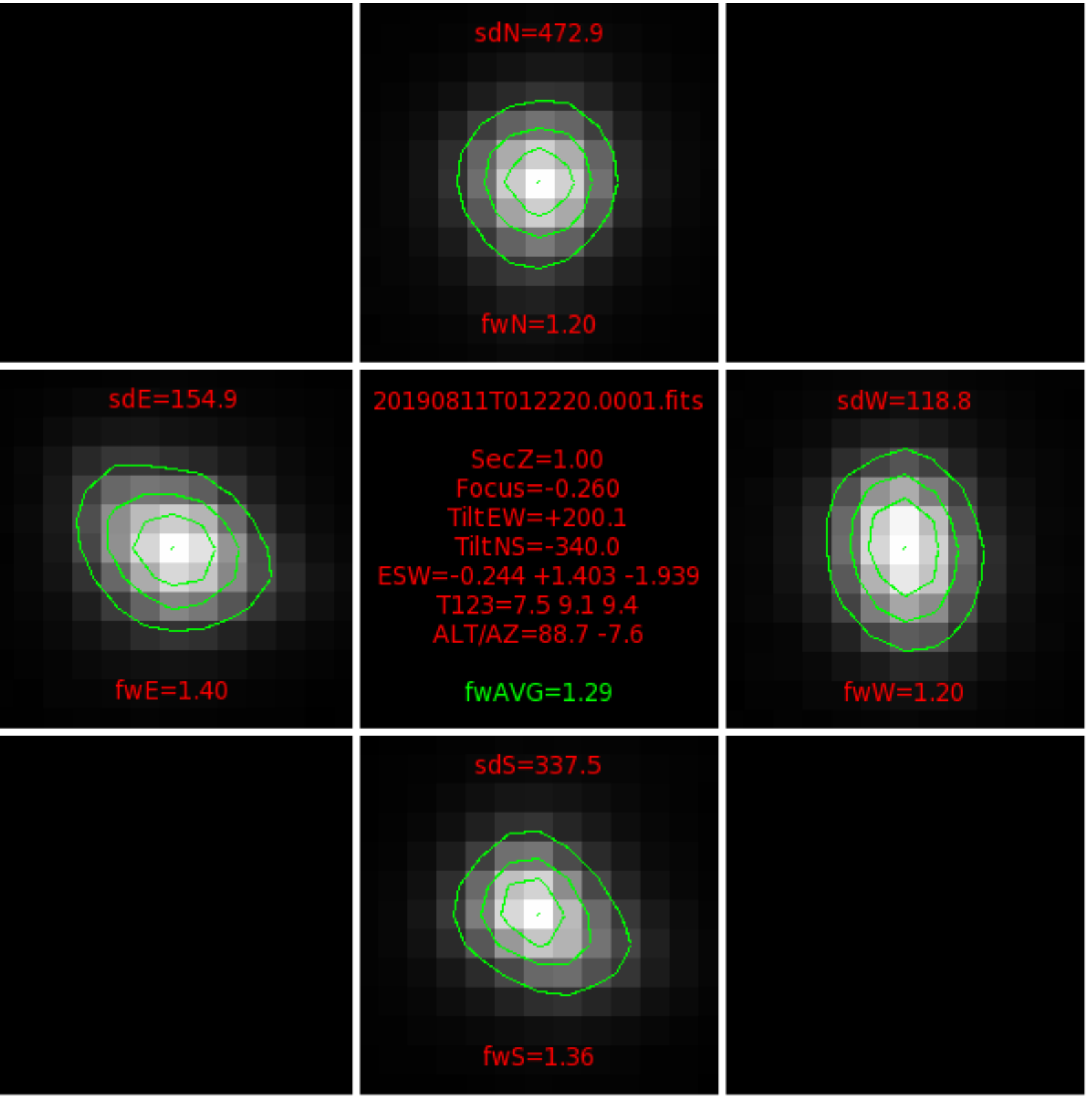
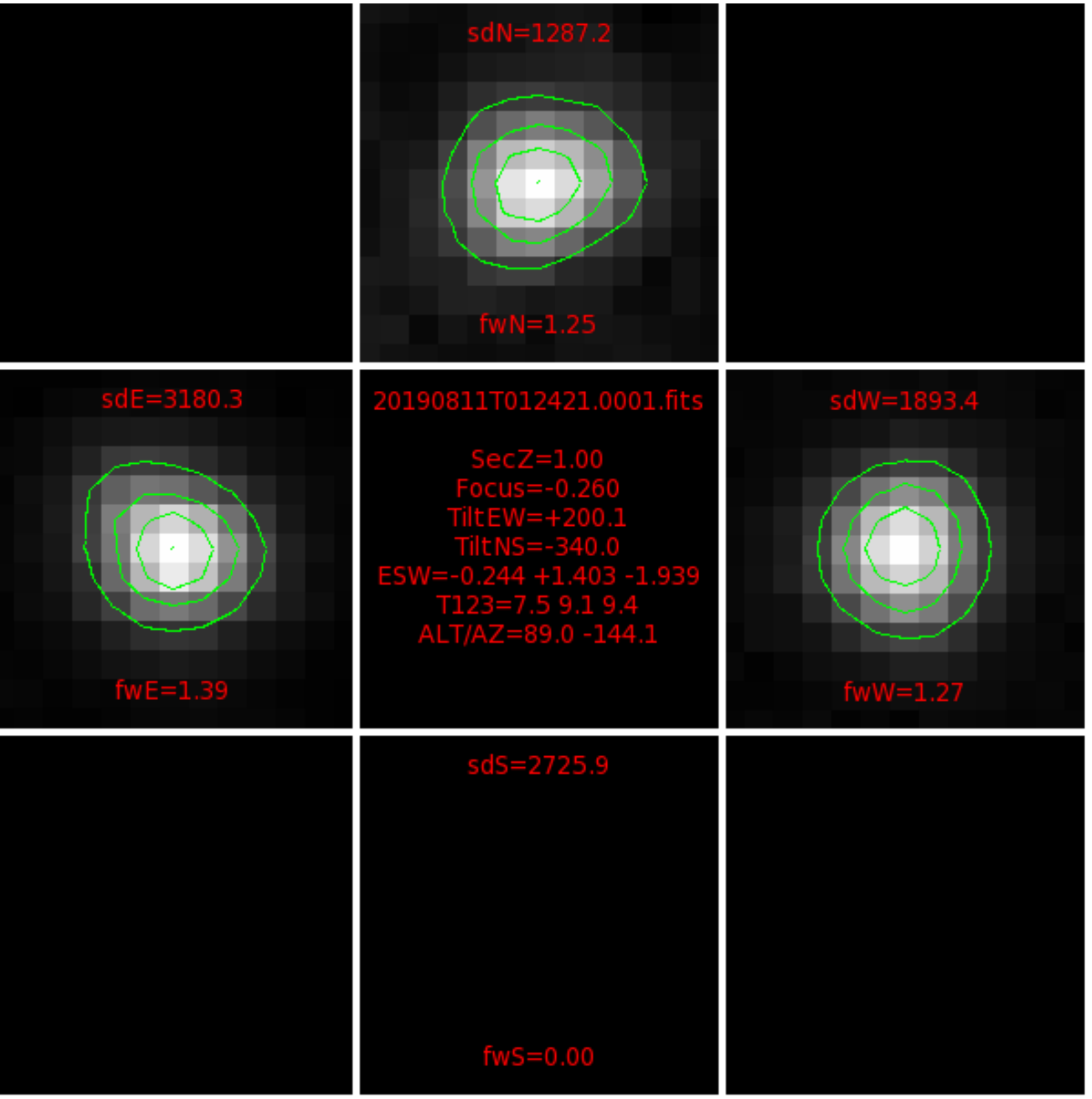
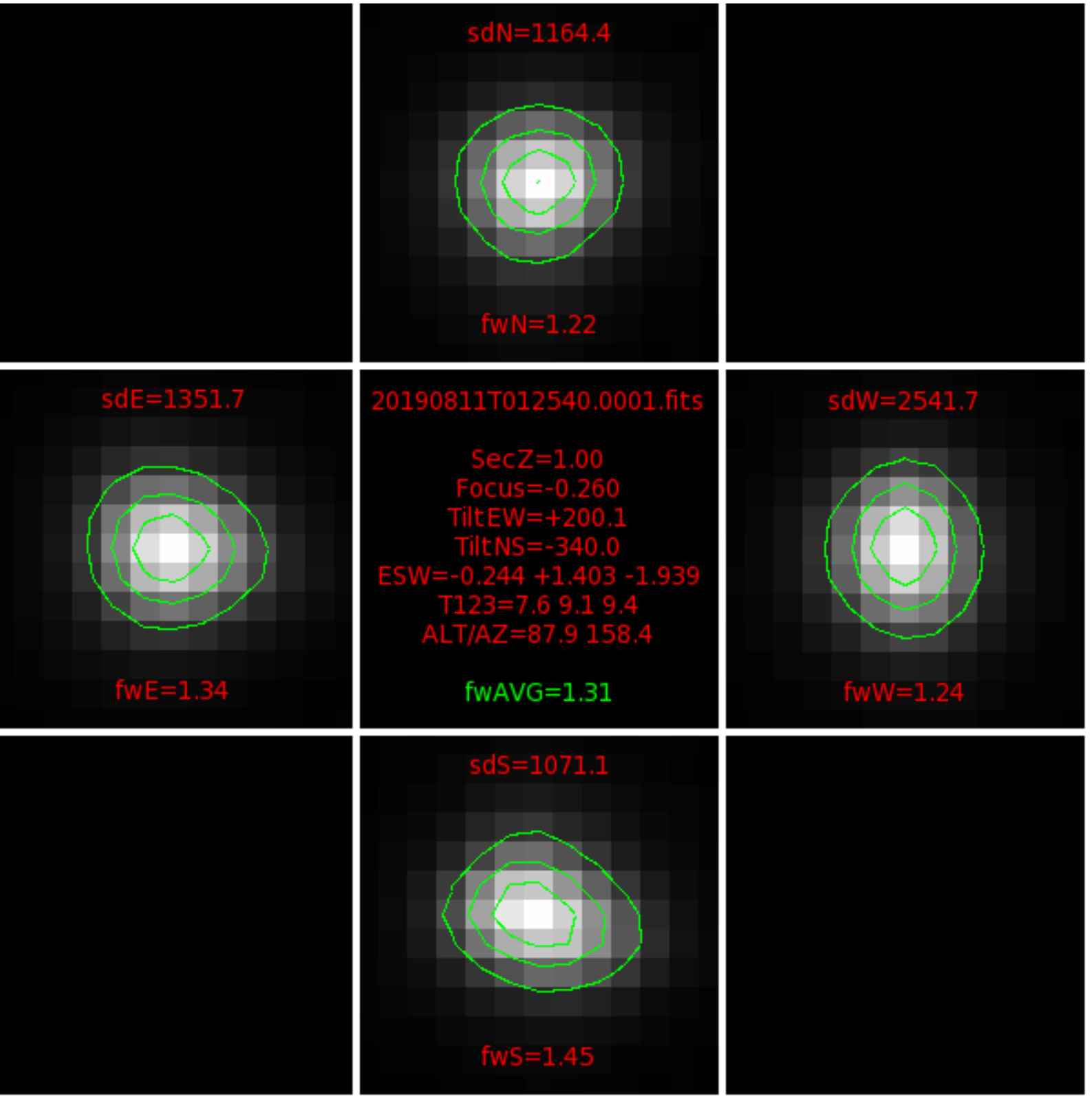

sdN=472.9
fwN=1.20
sdE=154.9
fwE=1.40
20190811T012220.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.5 9.1 9.4
ALT/AZ=88.7 -7.6
fwAVG=1.29
sdW=118.8
fwW=1.20
sdS=337.5
fwS=1.36
0 0 0 0 0 0 0 0 0


sdN=1287.2
fwN=1.25
sdE=3180.3
fwE=1.39
20190811T012421.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.5 9.1 9.4
ALT/AZ=89.0 -144.1
sdW=1893.4
fwW=1.27
sdS=2725.9
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=1164.4
fwN=1.22
sdE=1351.7
fwE=1.34
20190811T012540.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.6 9.1 9.4
ALT/AZ=87.9 158.4
fwAVG=1.31
sdW=2541.7
fwW=1.24
sdS=1071.1
fwS=1.45
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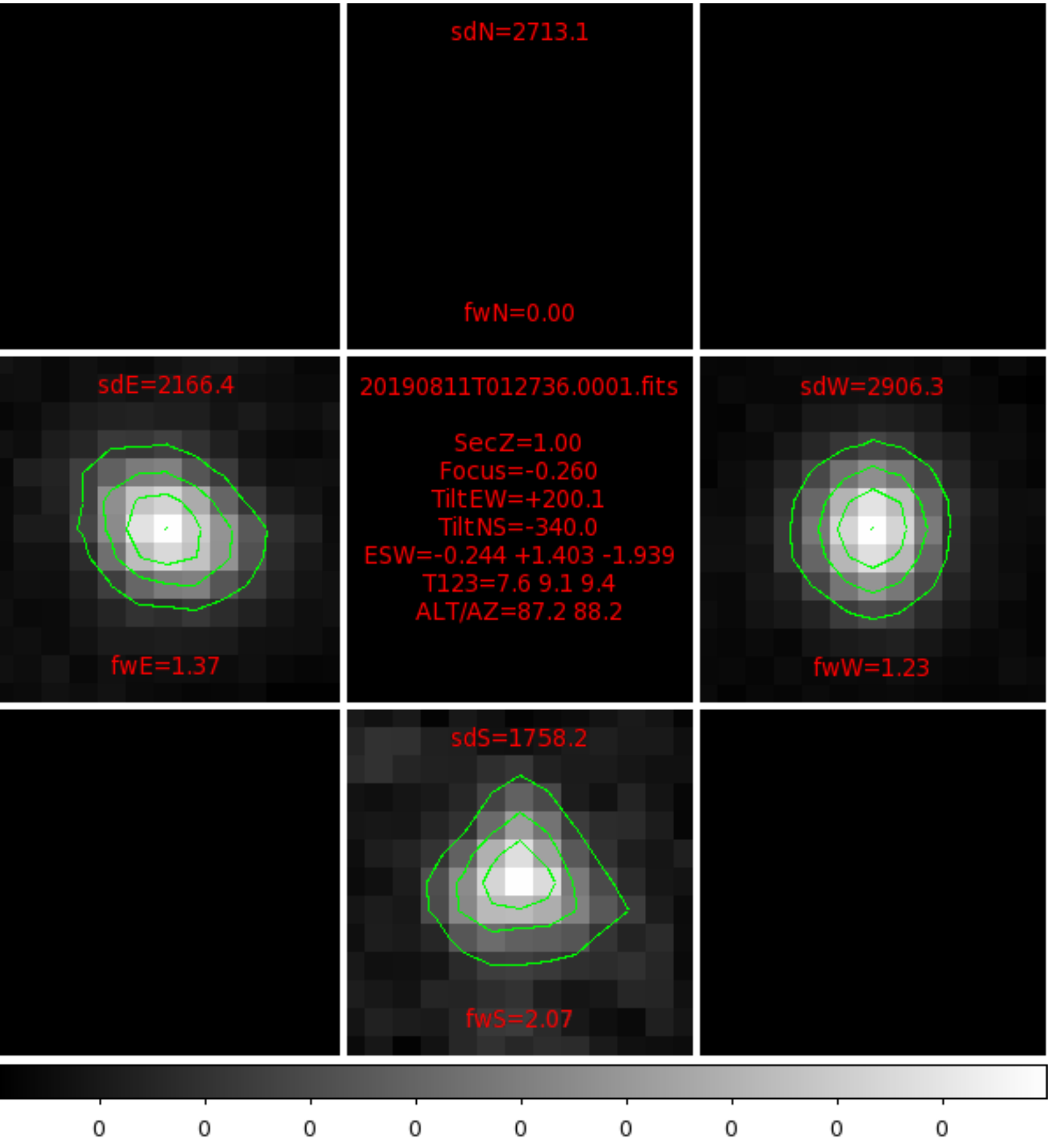
sdN=2713.1
fwN=0.00
sdE=2166.4
fwE=1.37
20190811T012736.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.6 9.1 9.4
ALT/AZ=87.2 88.2
sdW=2906.3
fwW=1.23
sdS=1758.2
fwS=2.07
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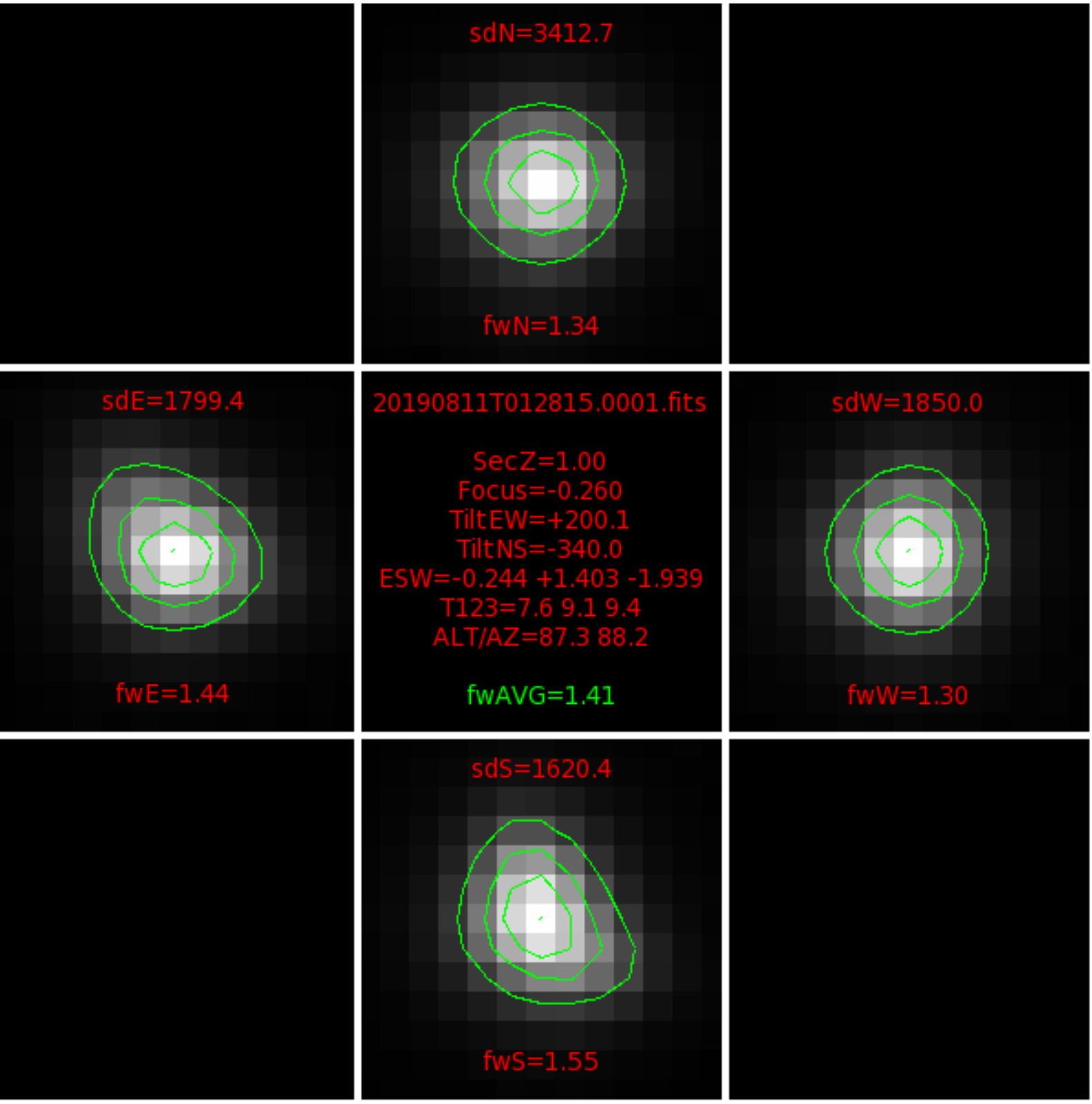
sdN=3412.7
fwN=1.34
sdE=1799.4
fwE=1.44
20190811T012815.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.6 9.1 9.4
ALT/AZ=87.3 88.2
fwAVG=1.41
sdW=1850.0
fwW=1.30
sdS=1620.4
fwS=1.55
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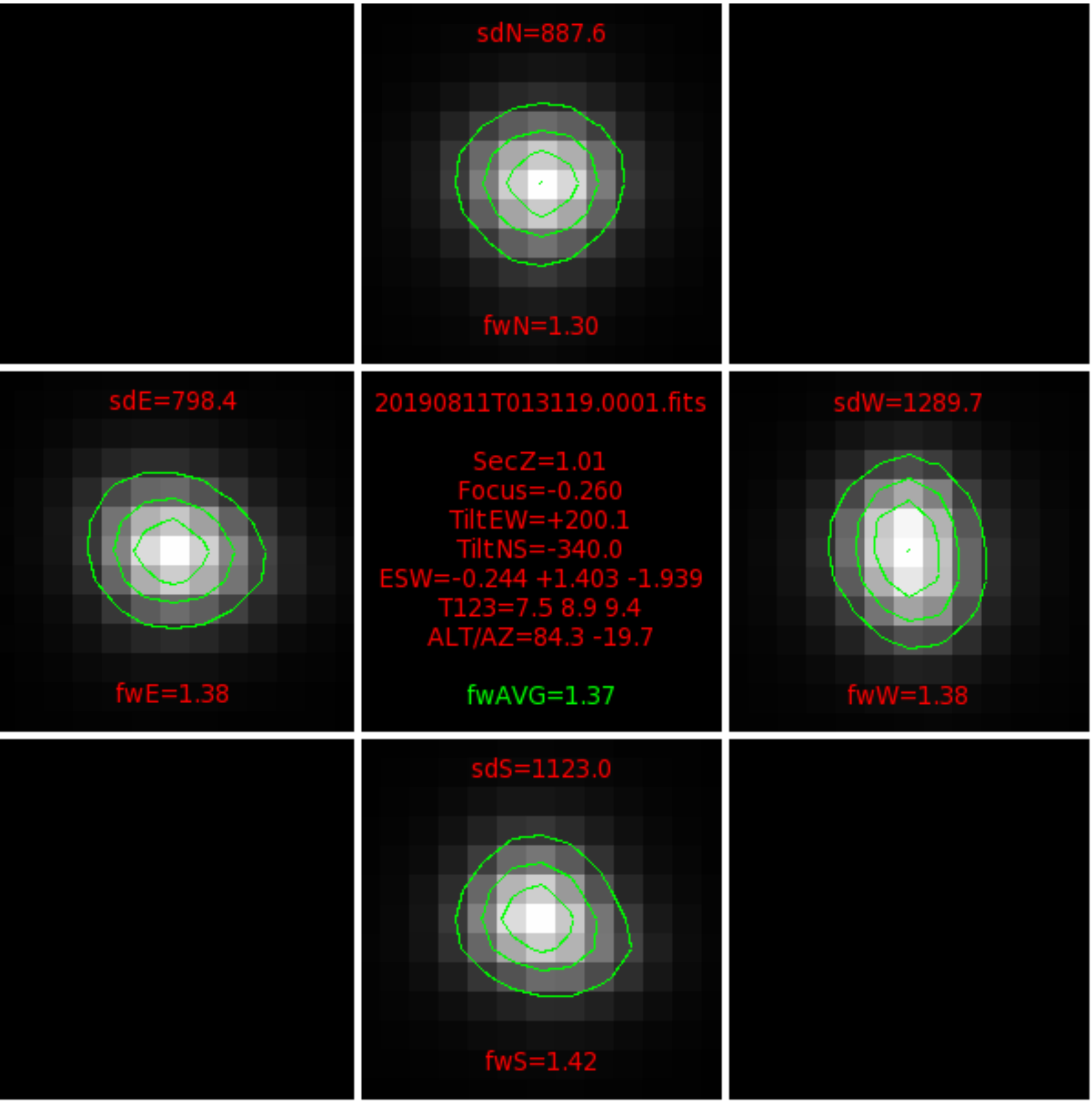
sdN=887.6
fwN=1.30
sdE=798.4
fwE=1.38
20190811T013119.0001.fits
SecZ=1.01
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.5 8.9 9.4
ALT/AZ=84.3 -19.7
fwAVG=1.37
sdW=1289.7
fwW=1.38
sdS=1123.0
fwS=1.42
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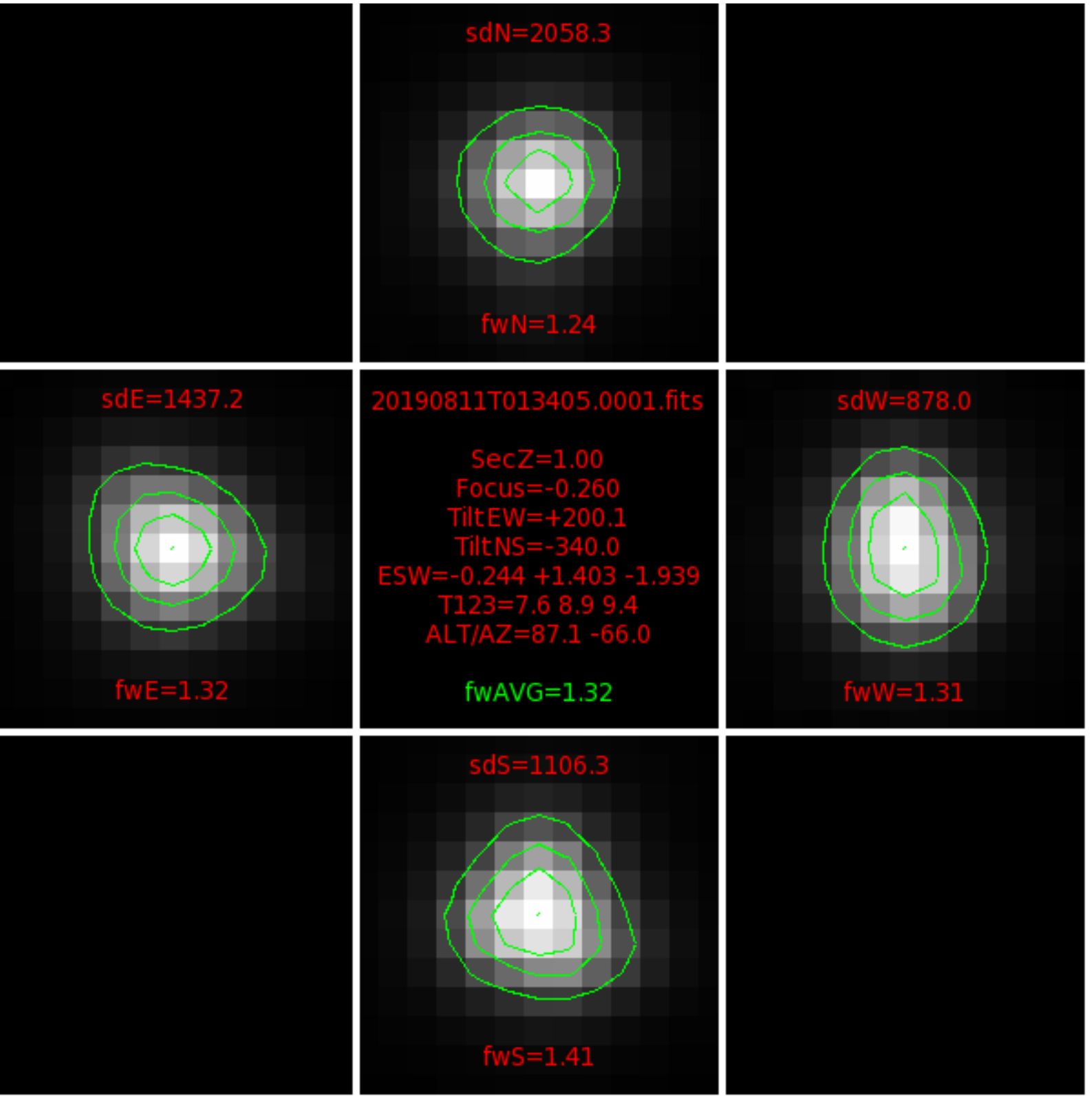
sdN=2058.3
fwN=1.24
sdE=1437.2
fwE=1.32
20190811T013405.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.6 8.9 9.4
ALT/AZ=87.1 -66.0
fwAVG=1.32
sdW=878.0
fwW=1.31
sdS=1106.3
fwS=1.41
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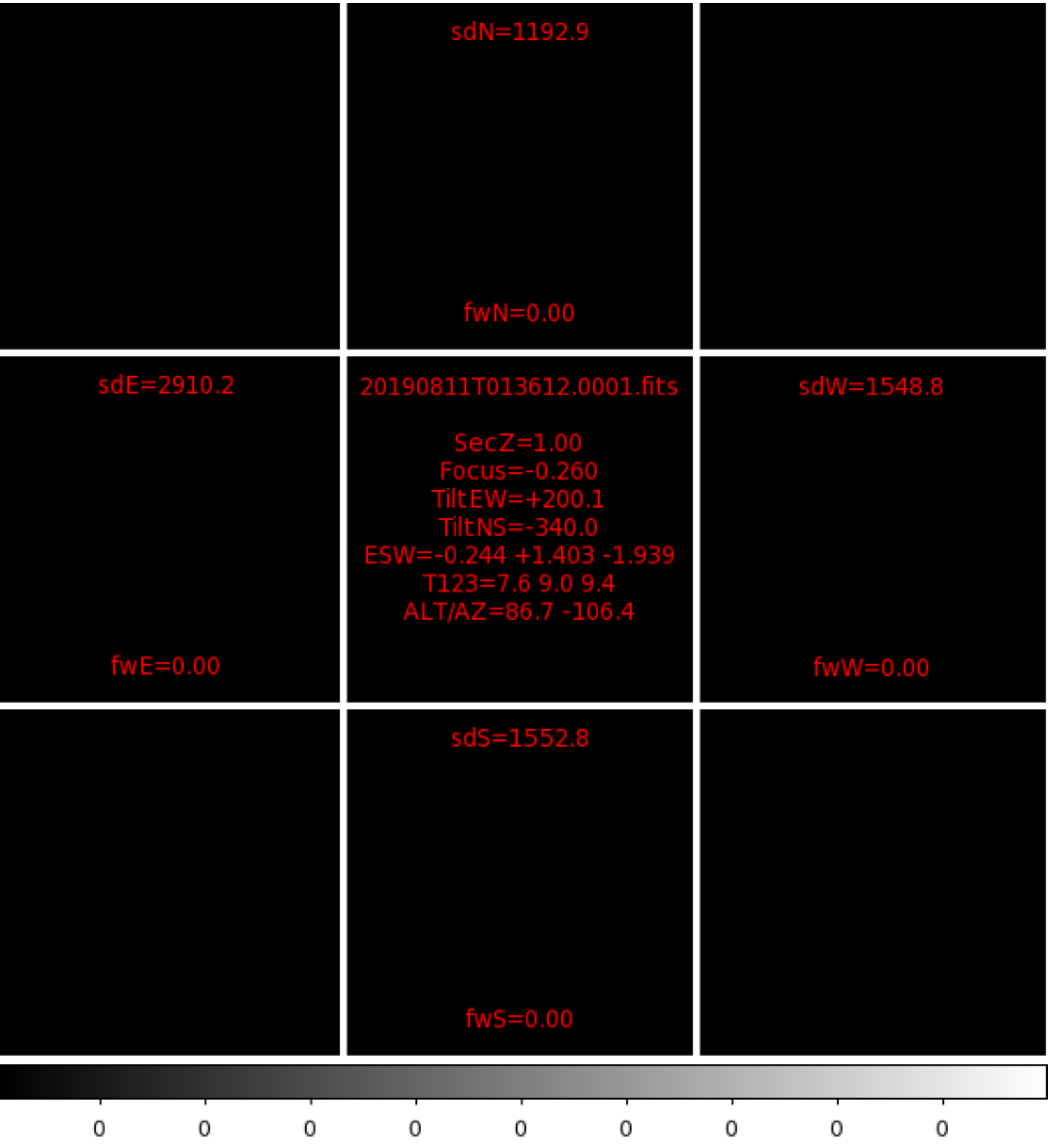
sdN=1192.9
fwN=0.00
sdE=2910.2
fwE=0.00
20190811T013612.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.6 9.0 9.4
ALT/AZ=86.7 -106.4
sdW=1548.8
fwW=0.00
sdS=1552.8
fwS=0.00
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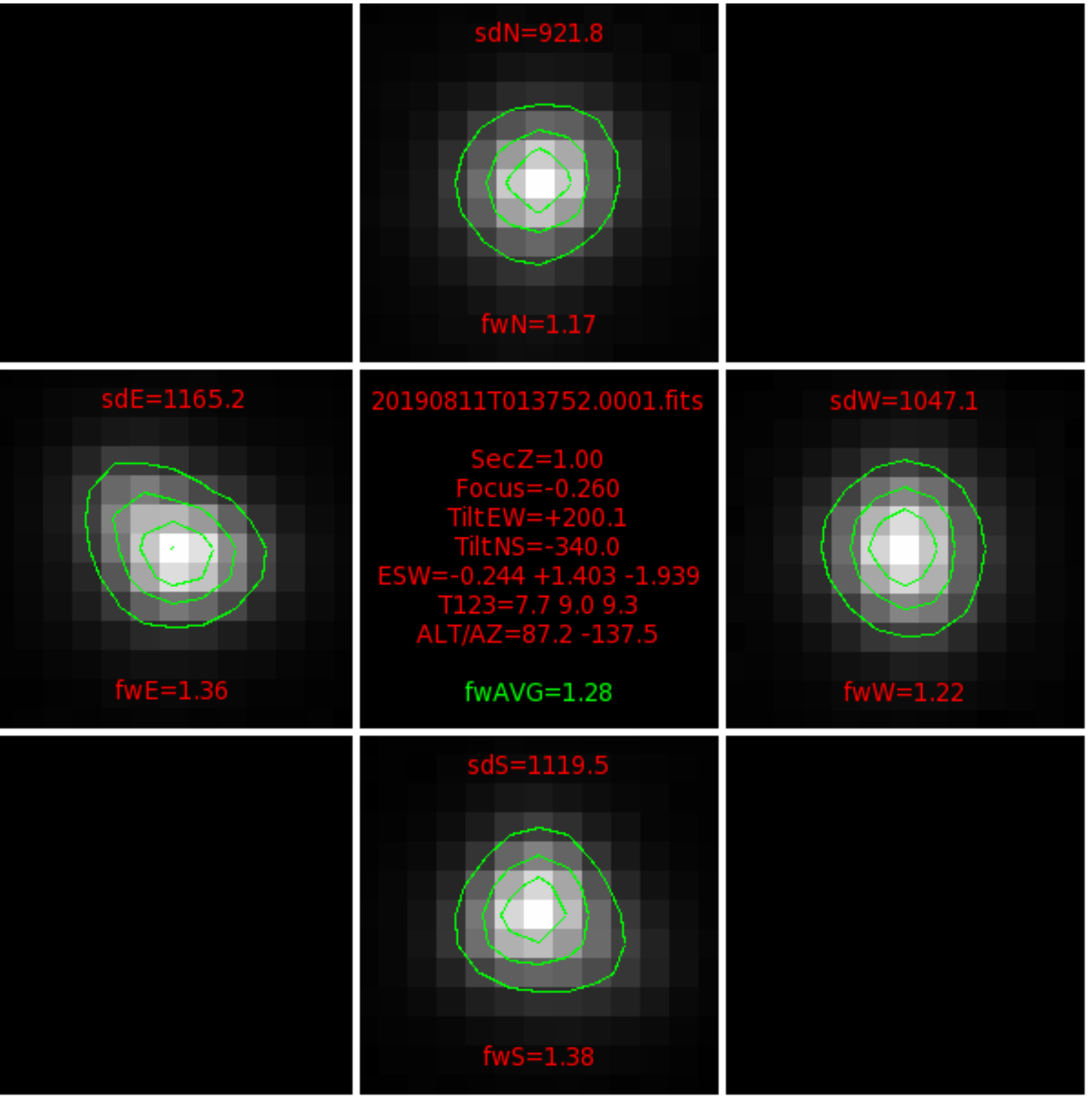
sdN=921.8
fwN=1.17
sdE=1165.2
fwE=1.36
20190811T013752.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.7 9.0 9.3
ALT/AZ=87.2 -137.5
fwAVG=1.28
sdW=1047.1
fwW=1.22
sdS=1119.5
fwS=1.38
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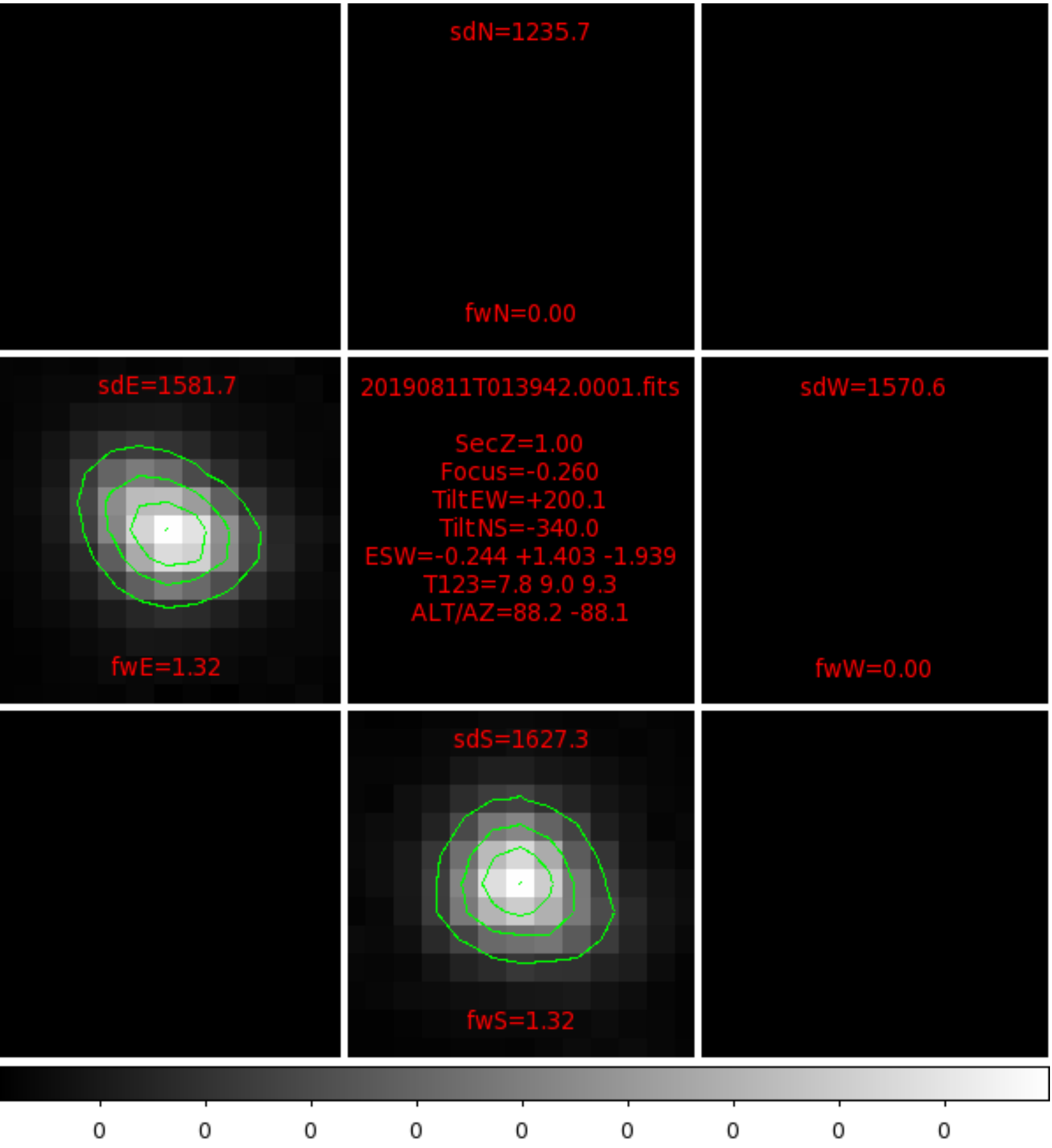
sdN=1235.7
fwN=0.00
sdE=1581.7
fwE=1.32
20190811T013942.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 9.0 9.3
ALT/AZ=88.2 -88.1
sdW=1570.6
fwW=0.00
sdS=1627.3
fwS=1.32
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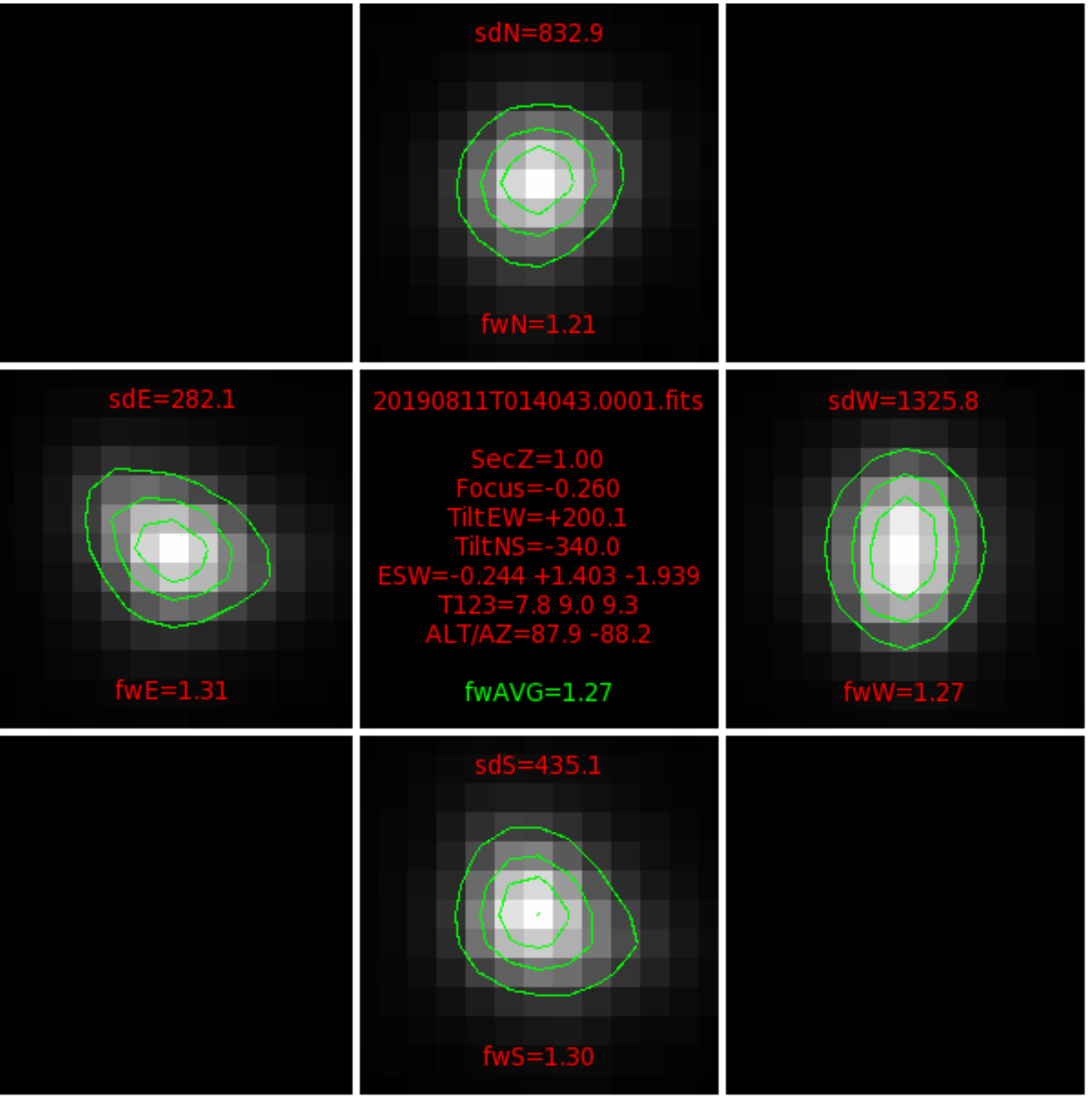
sdN=832.9
fwN=1.21
sdE=282.1
fwE=1.31
20190811T014043.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 9.0 9.3
ALT/AZ=87.9 -88.2
fwAVG=1.27
sdW=1325.8
fwW=1.27
sdS=435.1
fwS=1.30
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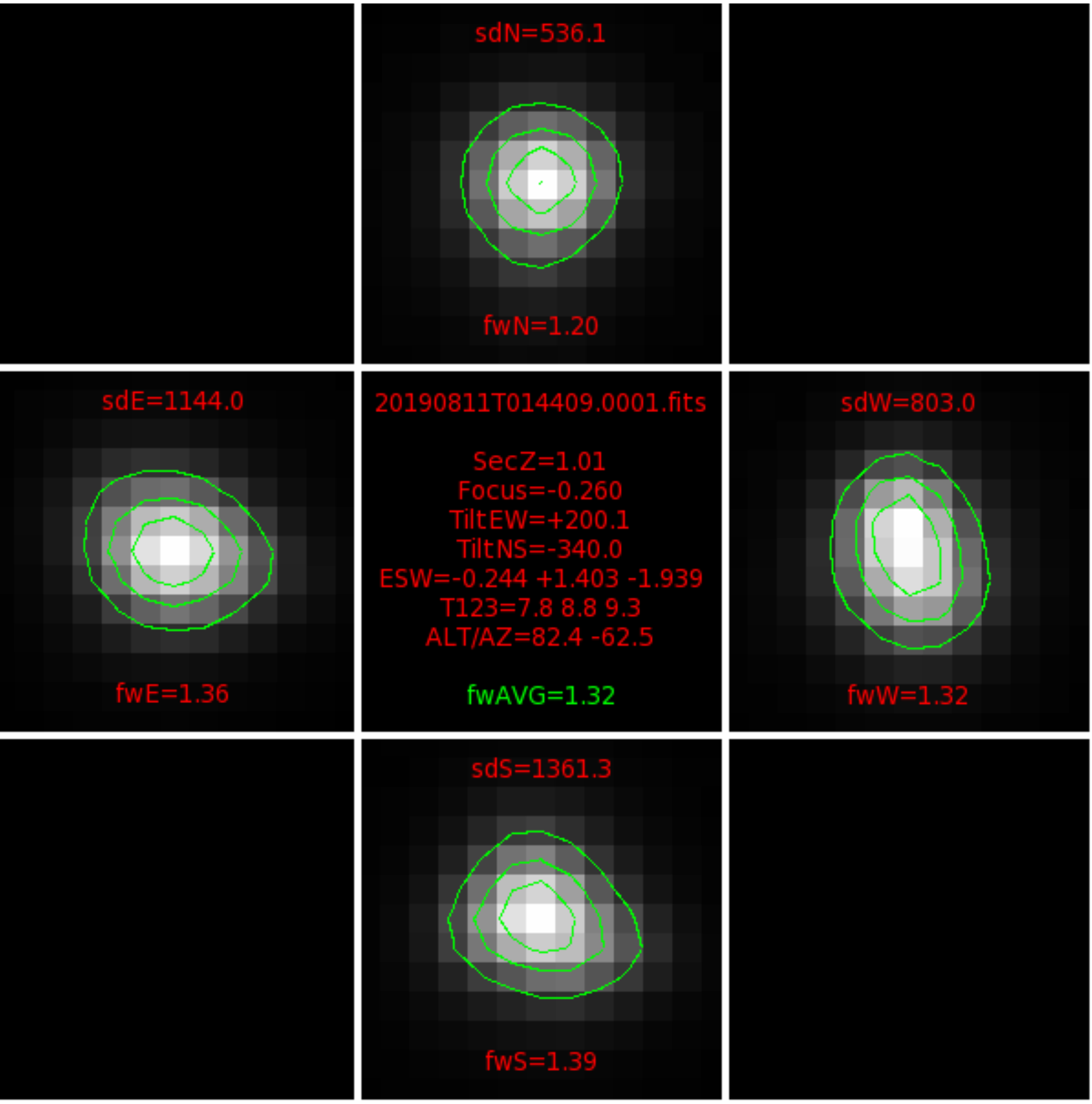
sdN=536.1
fwN=1.20
sdE=1144.0
fwE=1.36
20190811T014409.0001.fits
SecZ=1.01
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.8 9.3
ALT/AZ=82.4 -62.5
fwAVG=1.32
sdW=803.0
fwW=1.32
sdS=1361.3
fwS=1.39
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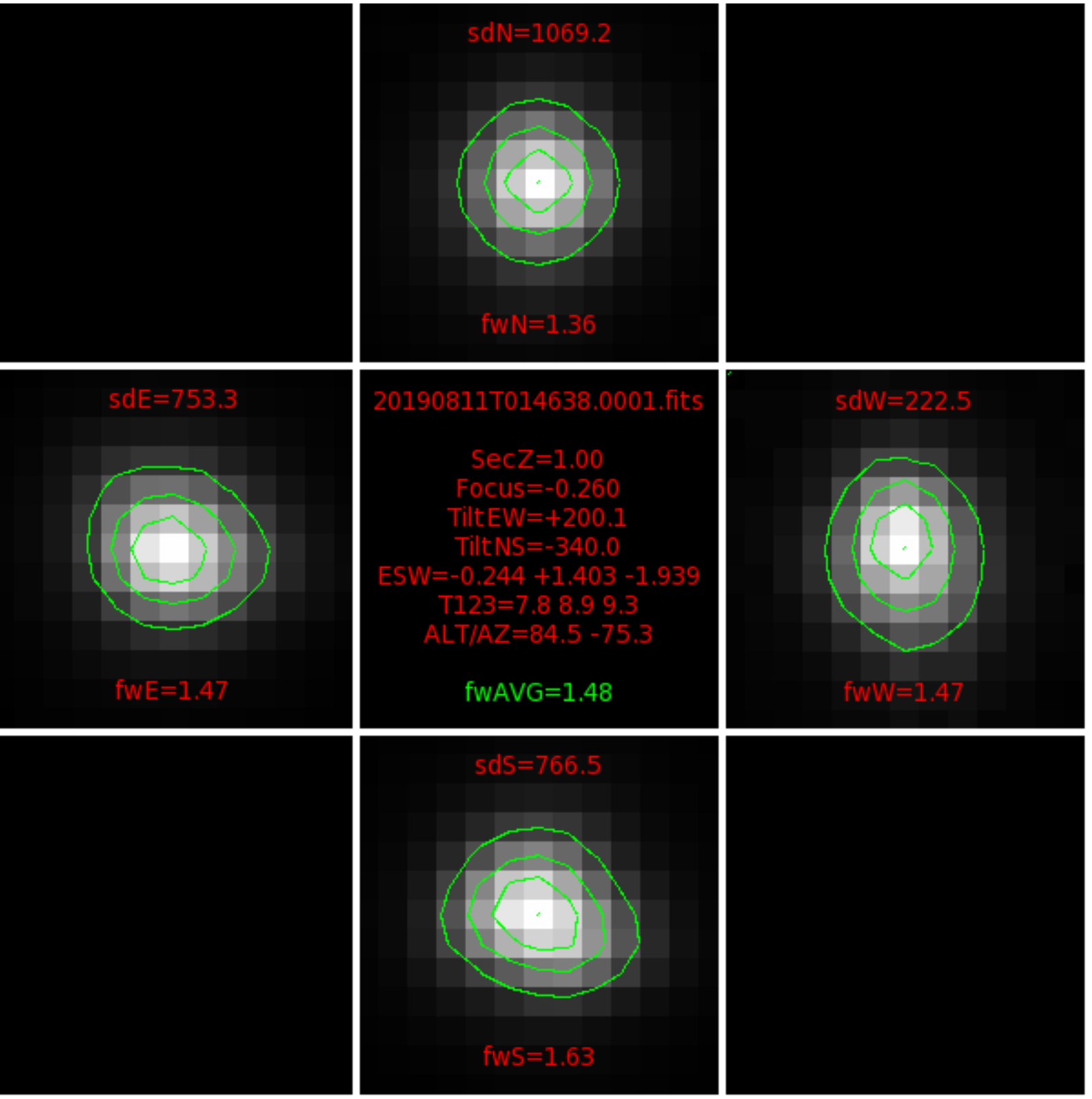
sdN=1069.2
fwN=1.36
sdE=753.3
fwE=1.47
20190811T014638.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.9 9.3
ALT/AZ=84.5 -75.3
fwAVG=1.48
sdW=222.5
fwW=1.47
sdS=766.5
fwS=1.63
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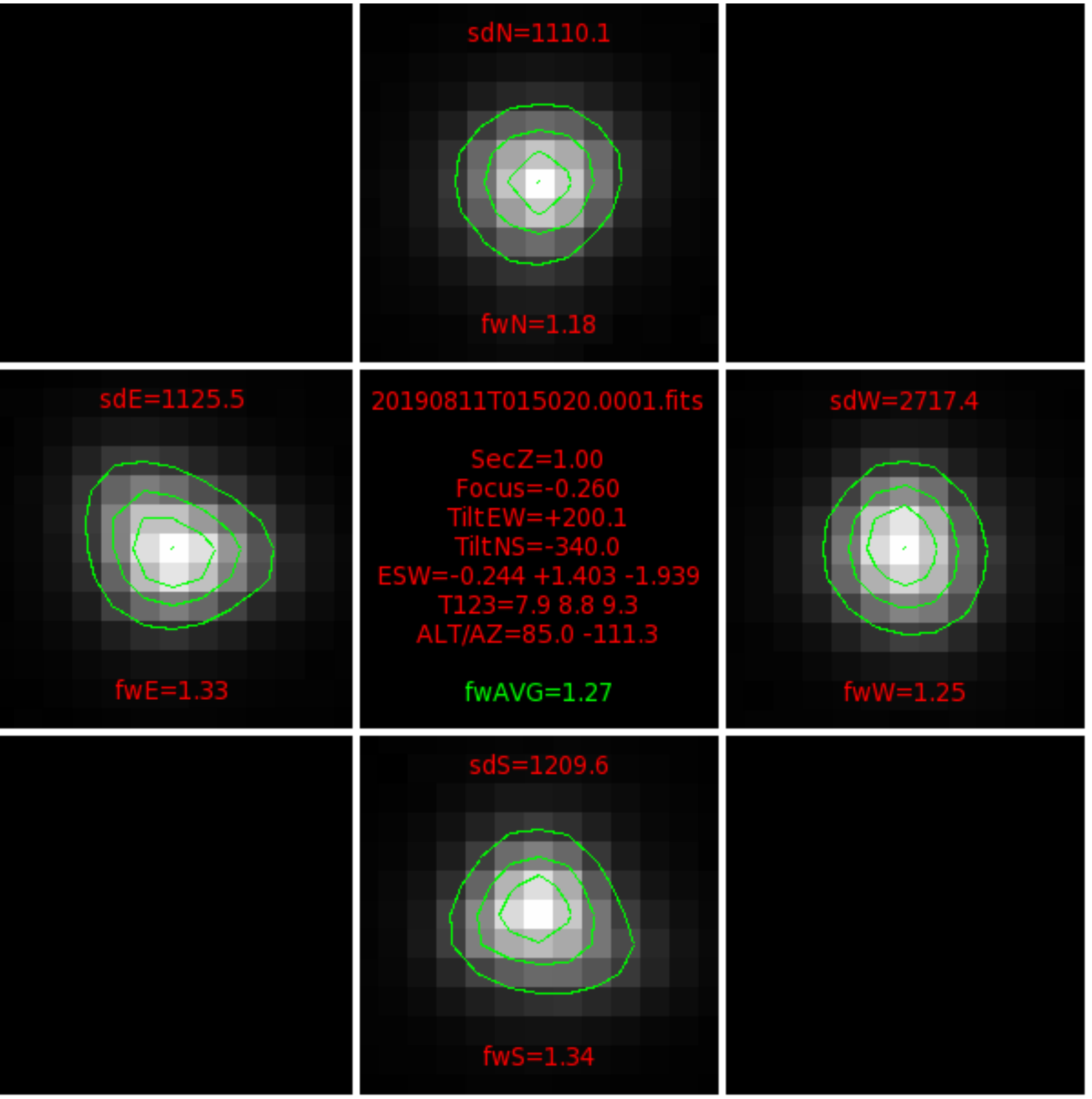
sdN=1110.1
fwN=1.18
sdE=1125.5
fwE=1.33
20190811T015020.0001.fits
SecZ=1.00
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.9 8.8 9.3
ALT/AZ=85.0 -111.3
fwAVG=1.27
sdW=2717.4
fwW=1.25
sdS=1209.6
fwS=1.34
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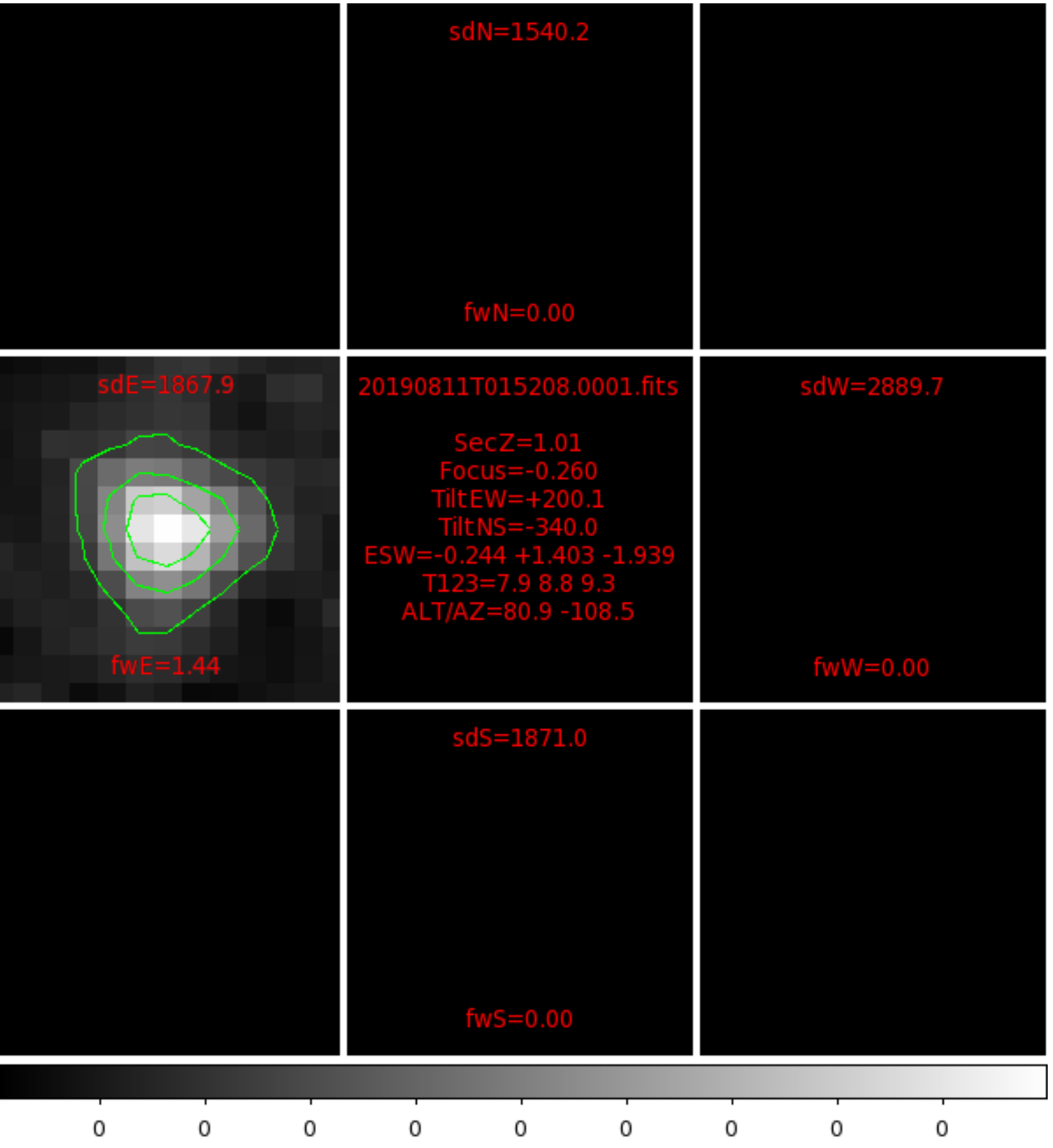
sdN=1540.2
fwN=0.00
sdE=1867.9
fwE=1.44
20190811T015208.0001.fits
SecZ=1.01
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.9 8.8 9.3
ALT/AZ=80.9 -108.5
sdW=2889.7
fwW=0.00
sdS=1871.0
fwS=0.00
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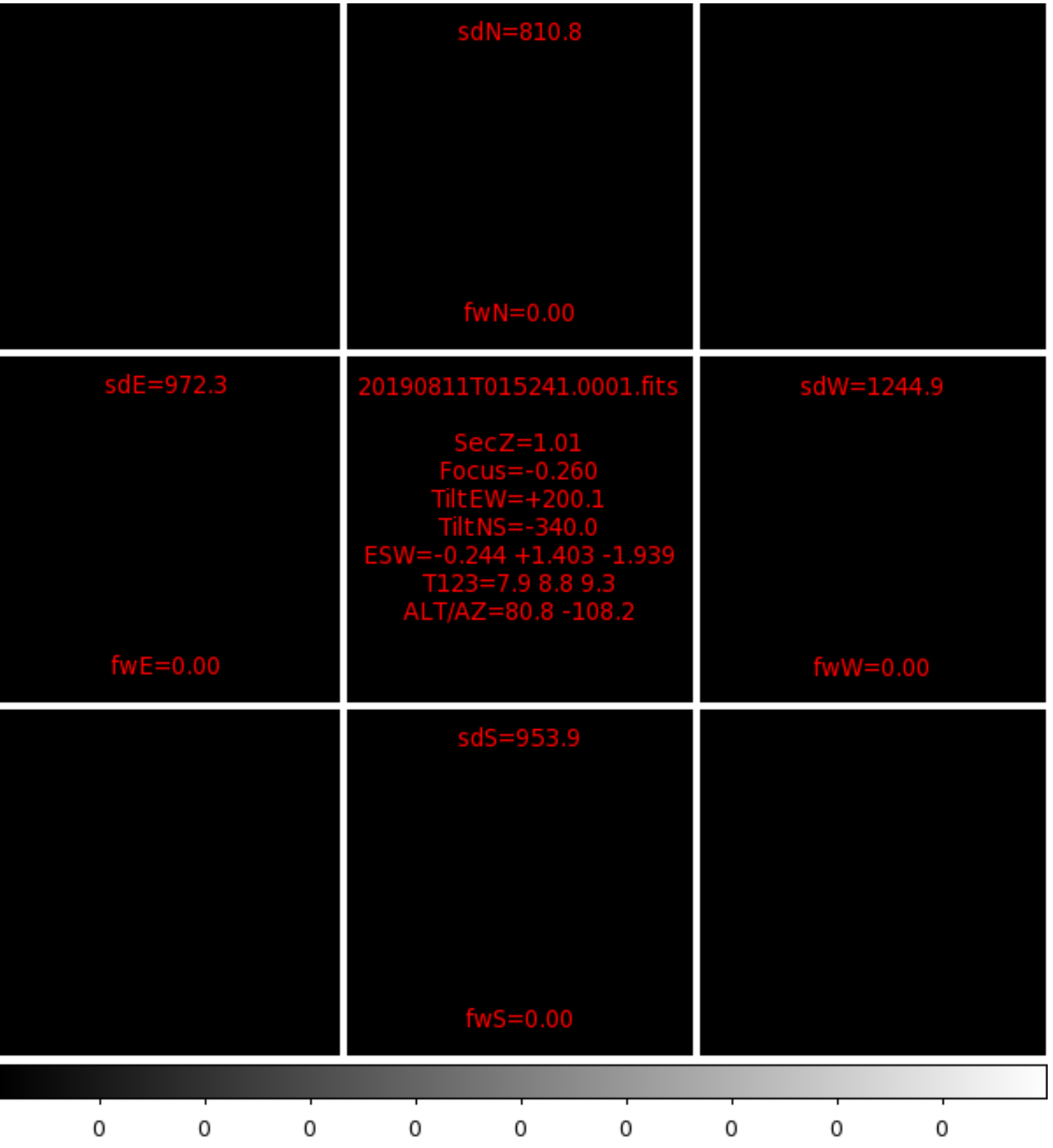
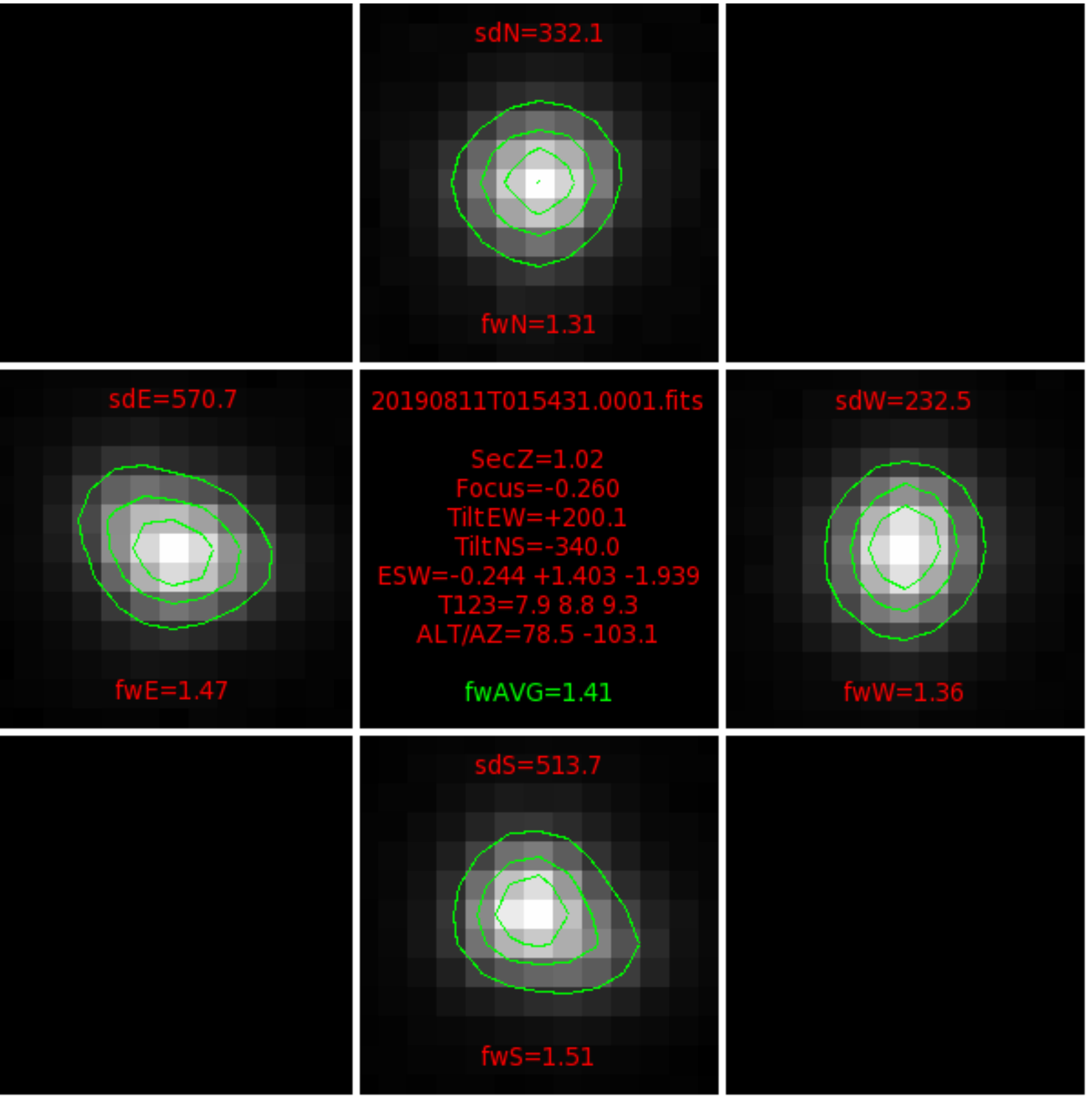

sdN=810.8
fwN=0.00
sdE=972.3
fwE=0.00
20190811T015241.0001.fits
SecZ=1.01
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.9 8.8 9.3
ALT/AZ=80.8 -108.2
sdW=1244.9
fwW=0.00
sdS=953.9
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=332.1
fwN=1.31
sdE=570.7
fwE=1.47
20190811T015431.0001.fits
SecZ=1.02
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.9 8.8 9.3
ALT/AZ=78.5 -103.1
fwAVG=1.41
sdW=232.5
fwW=1.36
sdS=513.7
fwS=1.51
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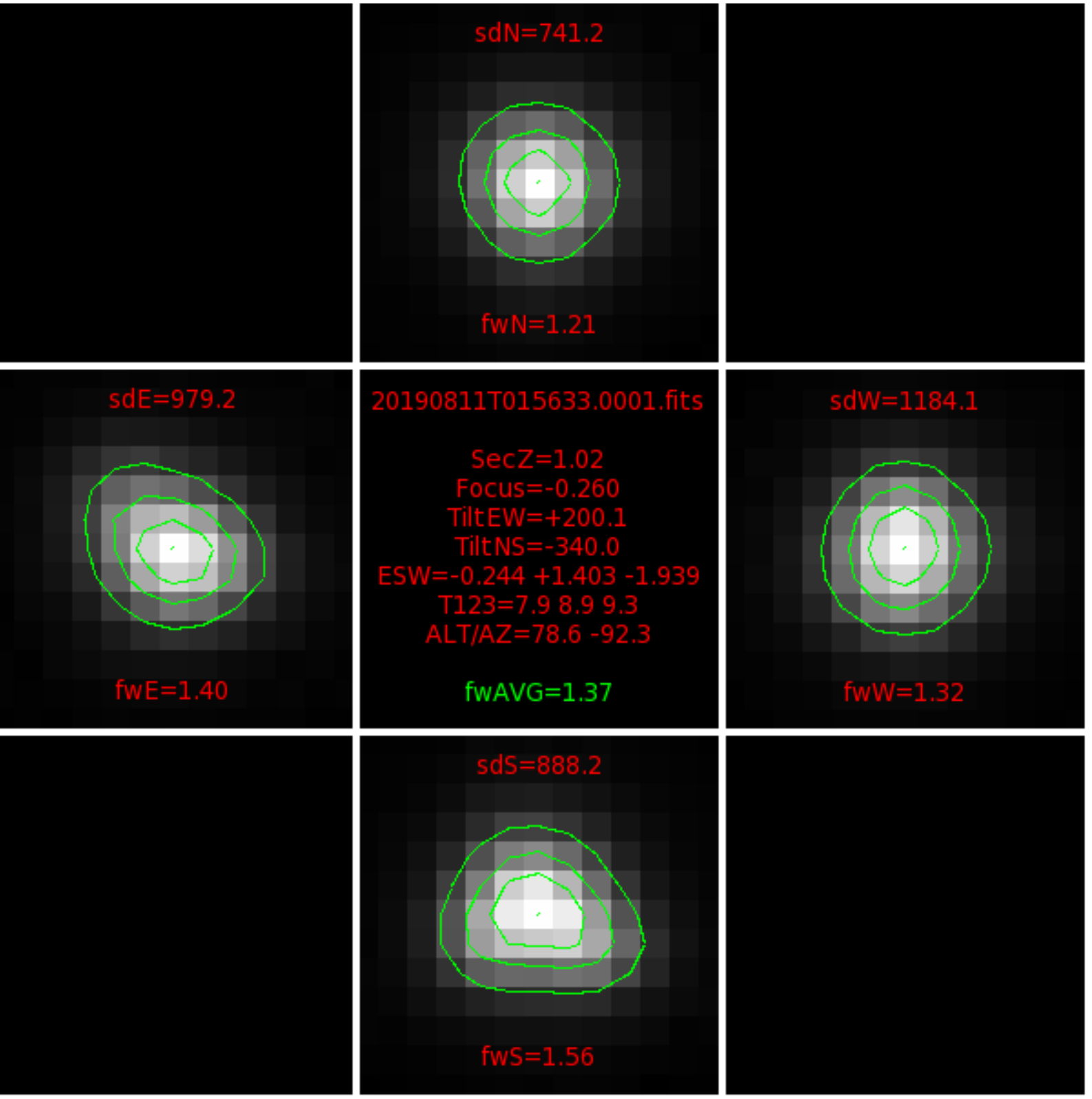
sdN=741.2
fwN=1.21
sdE=979.2
fwE=1.40
20190811T015633.0001.fits
SecZ=1.02
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.9 8.9 9.3
ALT/AZ=78.6 -92.3
fwAVG=1.37
sdW=1184.1
fwW=1.32
sdS=888.2
fwS=1.56
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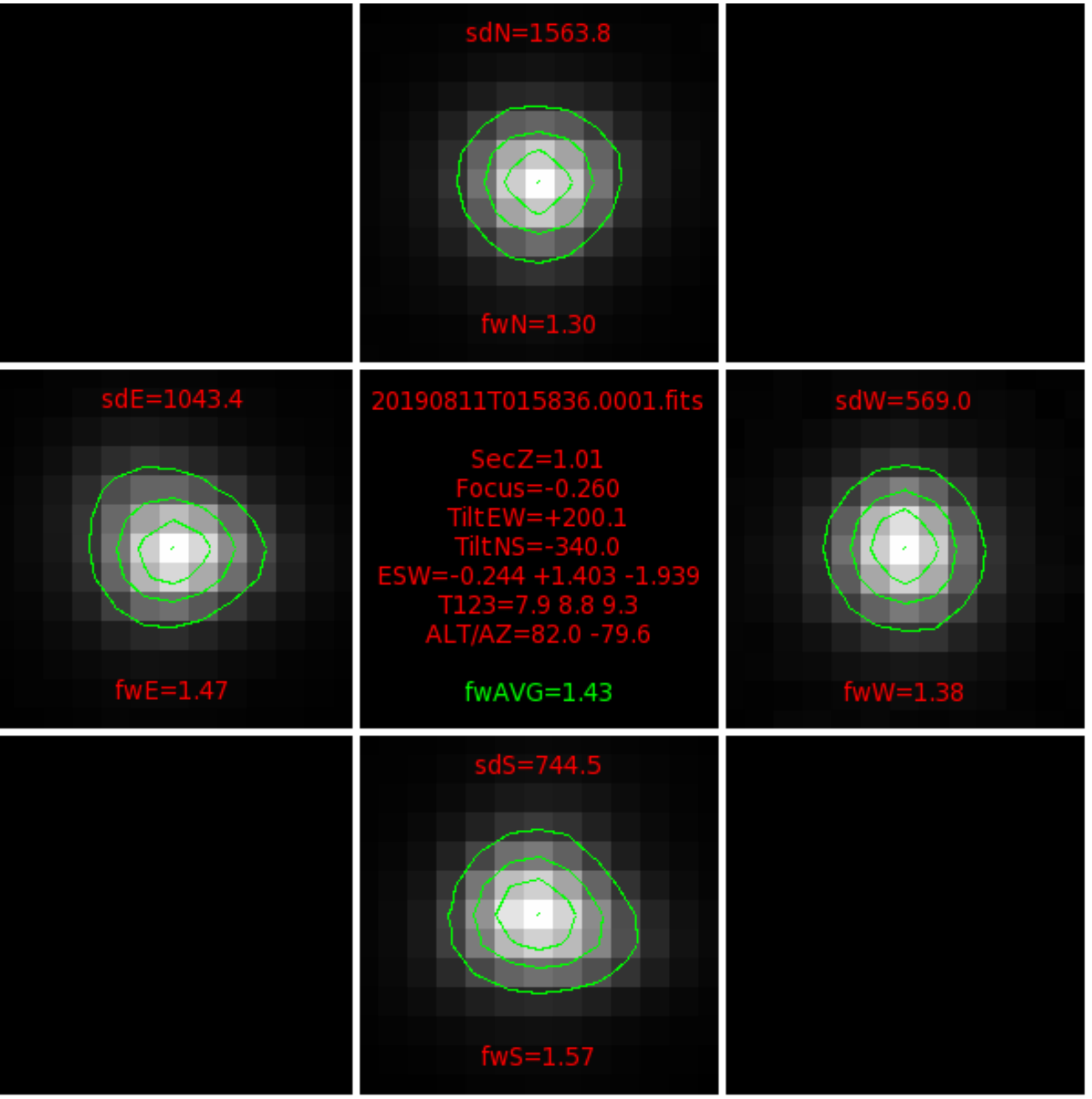
sdN=1563.8
fwN=1.30
sdE=1043.4
fwE=1.47
20190811T015836.0001.fits
SecZ=1.01
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.9 8.8 9.3
ALT/AZ=82.0 -79.6
fwAVG=1.43
sdW=569.0
fwW=1.38
sdS=744.5
fwS=1.57
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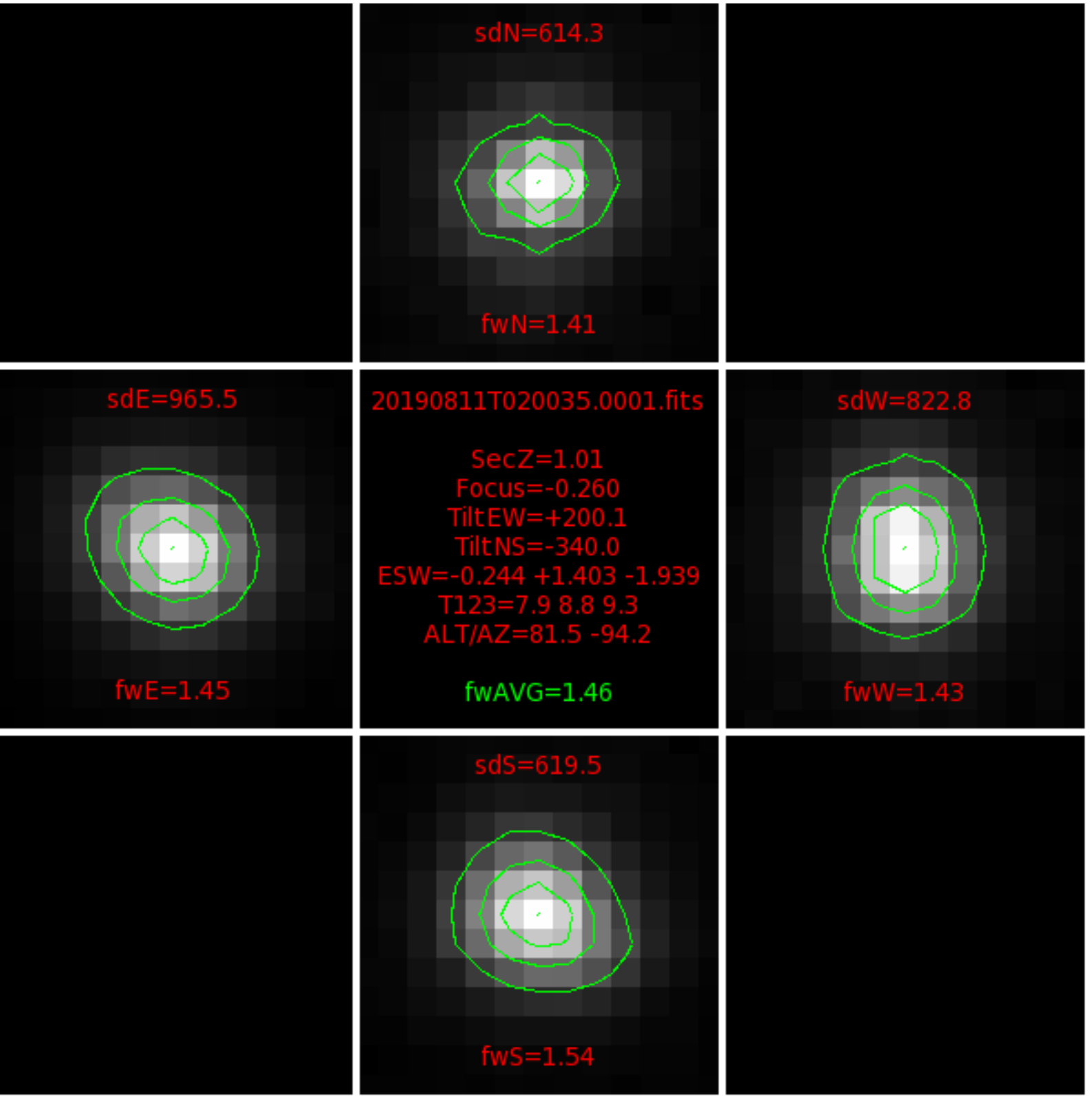
sdN=614.3
fwN=1.41
sdE=965.5
fwE=1.45
20190811T020035.0001.fits
SecZ=1.01
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.9 8.8 9.3
ALT/AZ=81.5 -94.2
fwAVG=1.46
sdW=822.8
fwW=1.43
sdS=619.5
fwS=1.54
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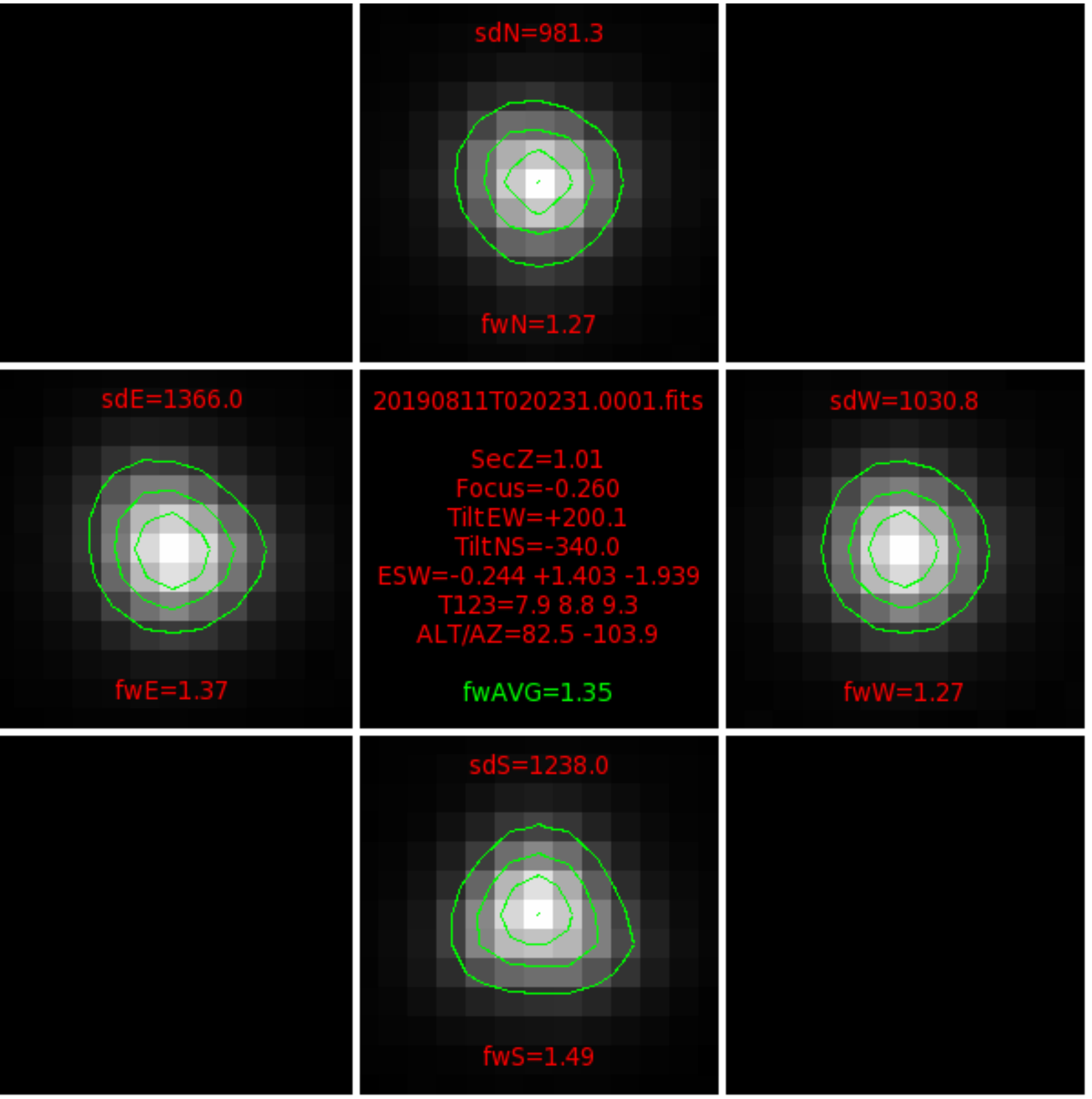
sdN=981.3
fwN=1.27
sdE=1366.0
fwE=1.37
20190811T020231.0001.fits
SecZ=1.01
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.9 8.8 9.3
ALT/AZ=82.5 -103.9
fwAVG=1.35
sdW=1030.8
fwW=1.27
sdS=1238.0
fwS=1.49
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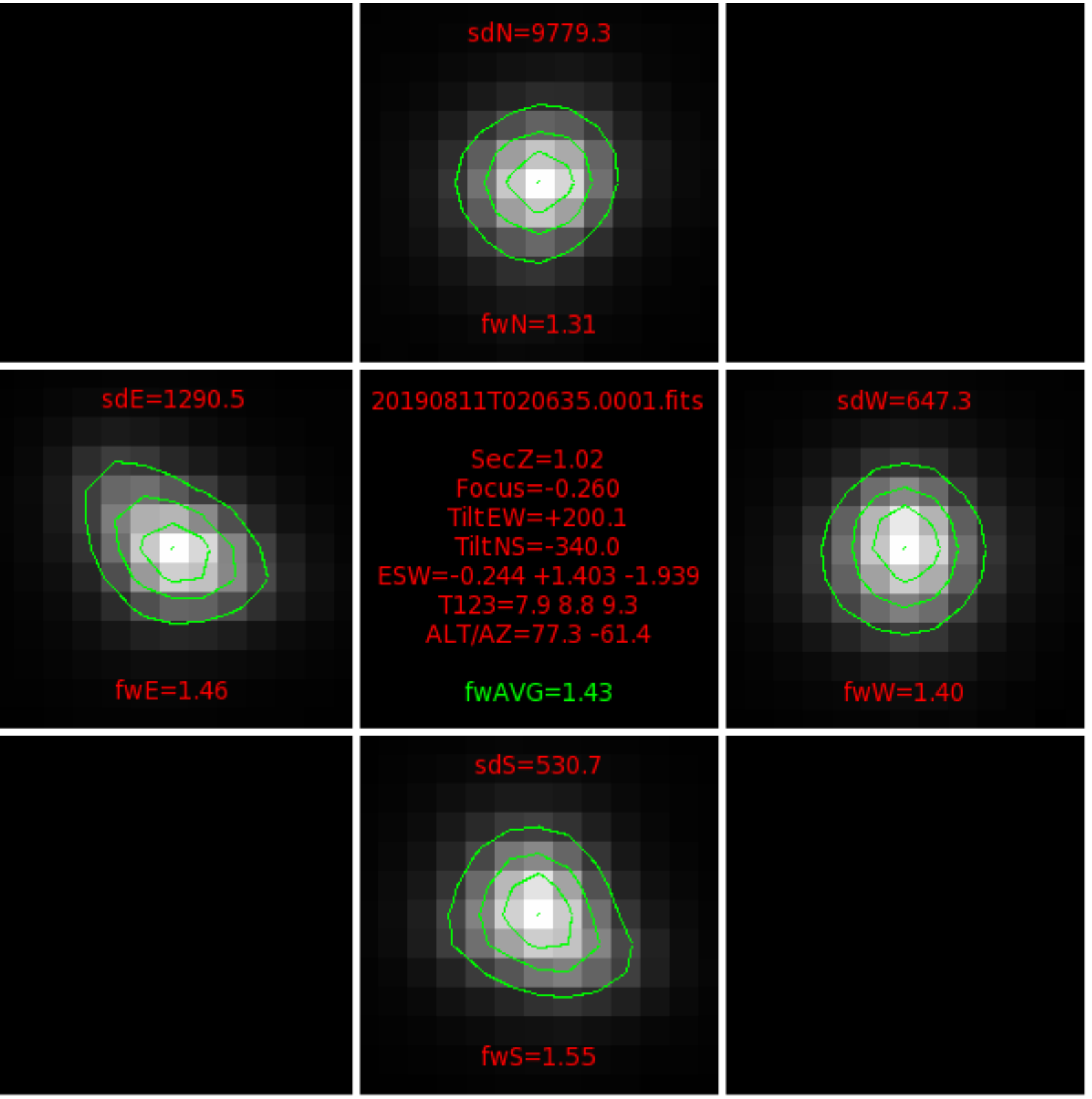
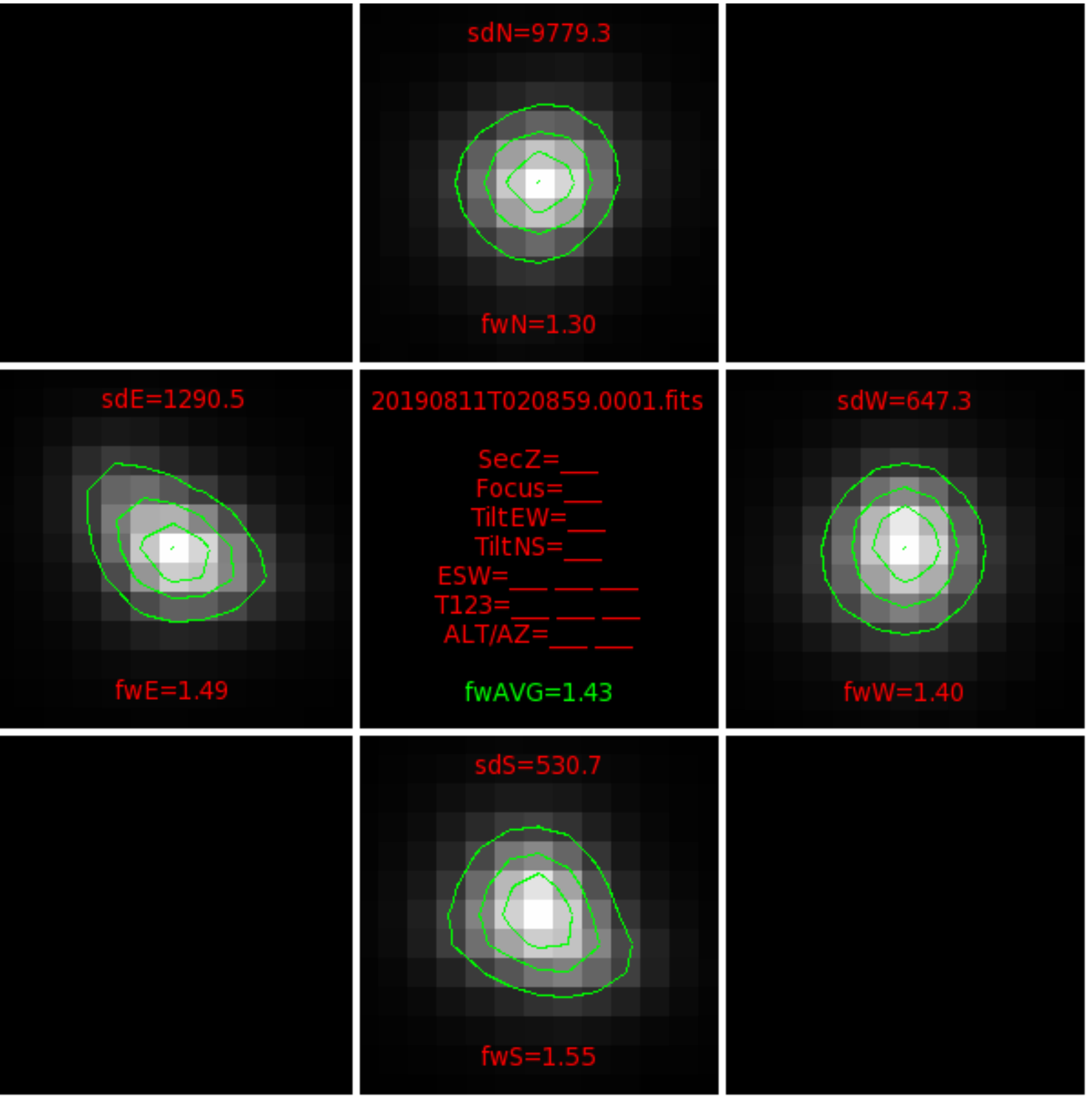

sdN=9779.3
fwN=1.31
sdE=1290.5
fwE=1.46
20190811T020635.0001.fits
SecZ=1.02
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.9 8.8 9.3
ALT/AZ=77.3 -61.4
fwAVG=1.43
sdW=647.3
fwW=1.40
sdS=530.7
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=9779.3
fwN=1.30
sdE=1290.5
fwE=1.49
20190811T020859.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.43
sdW=647.3
fwW=1.40
sdS=530.7
fwS=1.55
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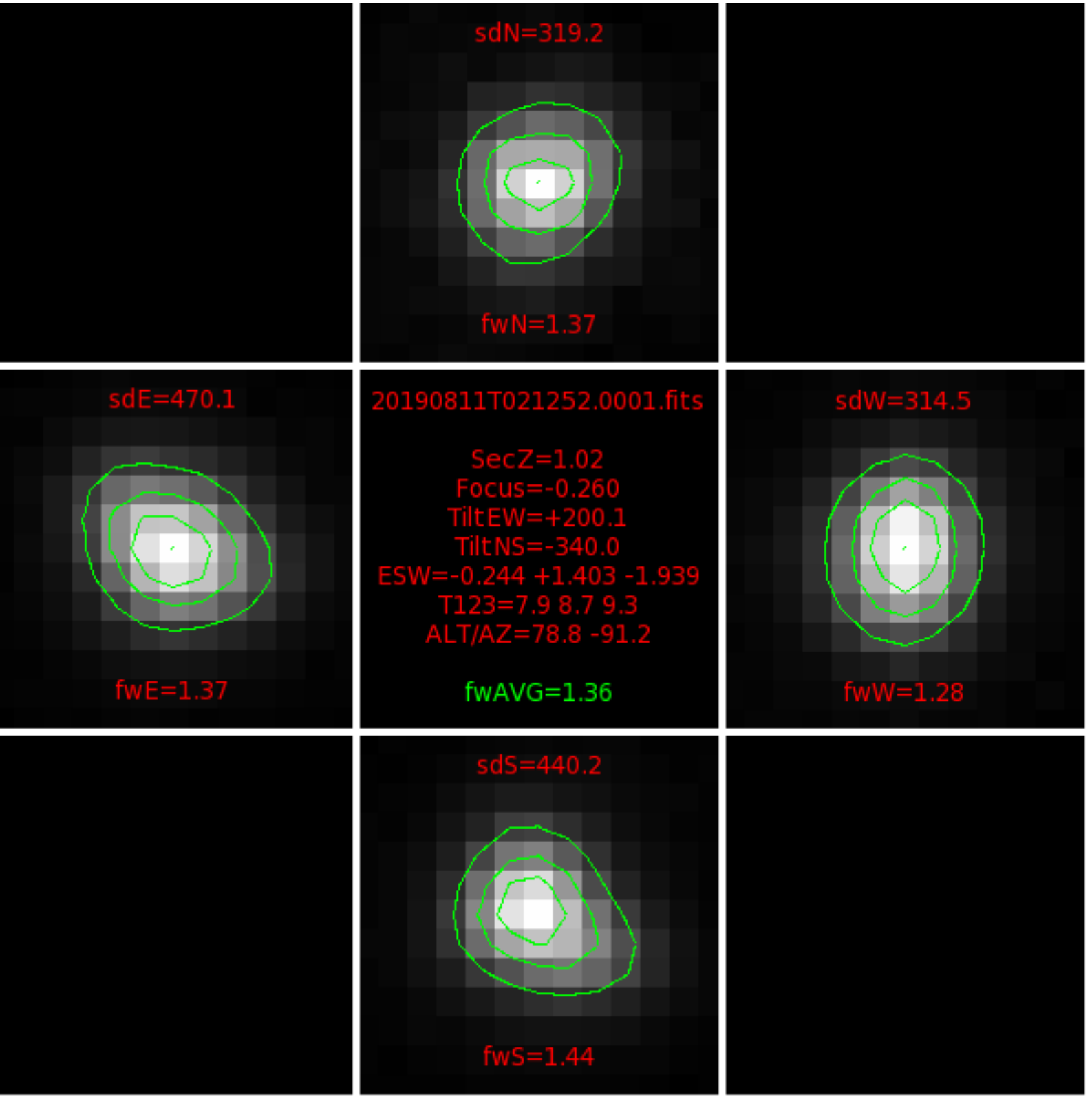
sdN=319.2
fwN=1.37
sdE=470.1
fwE=1.37
20190811T021252.0001.fits
SecZ=1.02
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.9 8.7 9.3
ALT/AZ=78.8 -91.2
fwAVG=1.36
sdW=314.5
fwW=1.28
sdS=440.2
fwS=1.44
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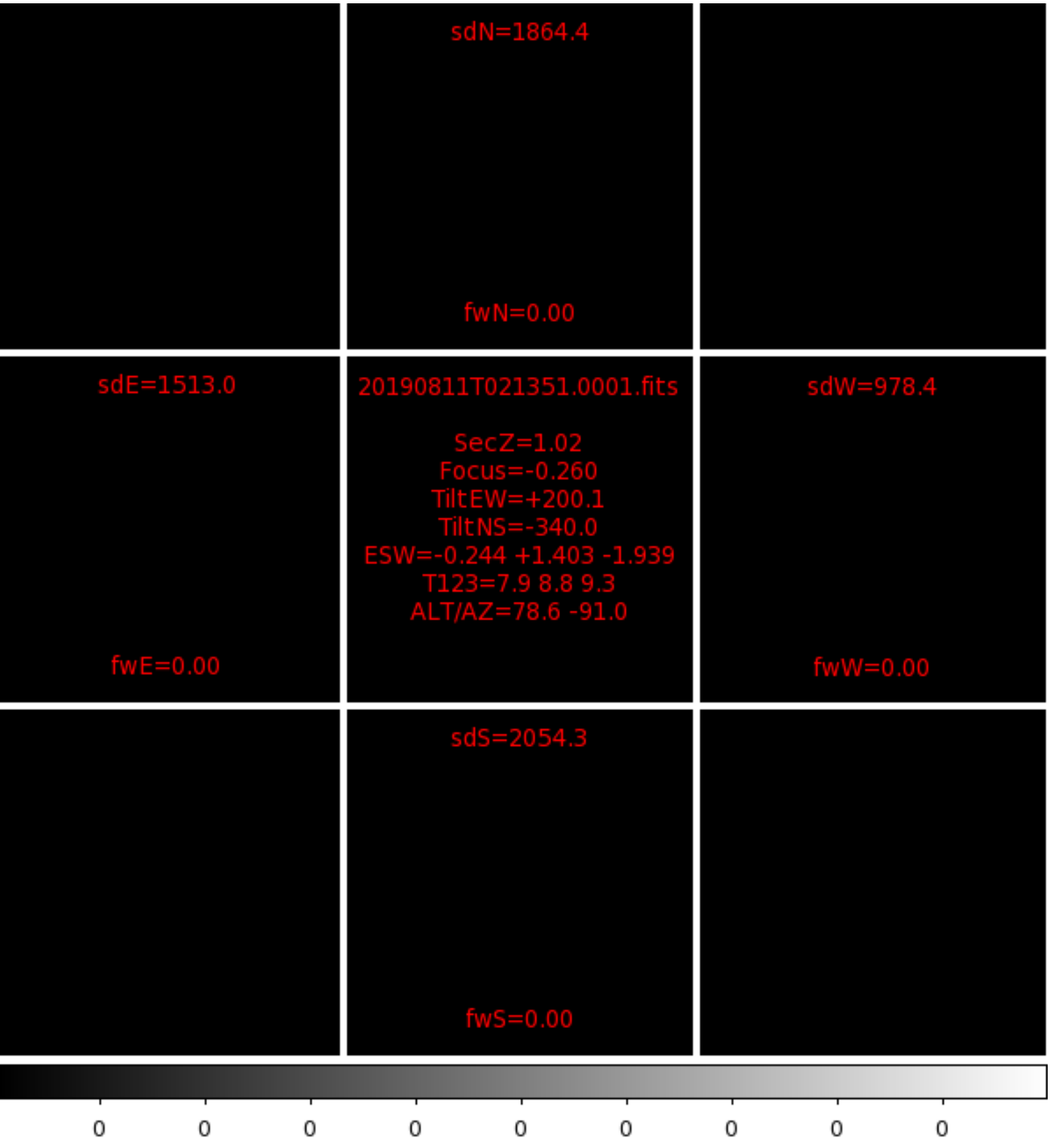
sdN=1864.4
fwN=0.00
sdE=1513.0
fwE=0.00
20190811T021351.0001.fits
SecZ=1.02
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.9 8.8 9.3
ALT/AZ=78.6 -91.0
sdW=978.4
fwW=0.00
sdS=2054.3
fwS=0.00
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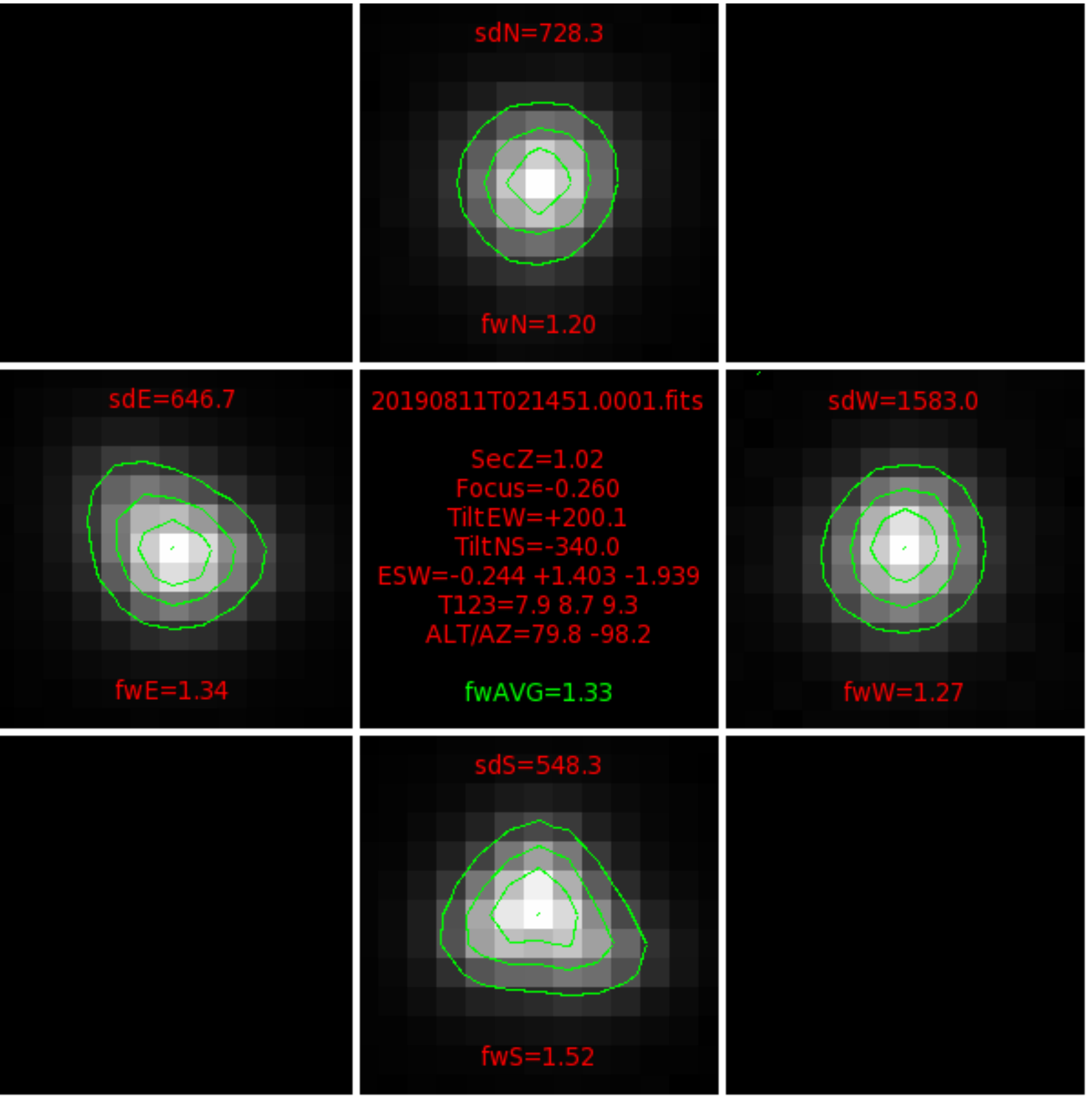
sdN=728.3
fwN=1.20
sdE=646.7
fwE=1.34
20190811T021451.0001.fits
SecZ=1.02
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.9 8.7 9.3
ALT/AZ=79.8 -98.2
fwAVG=1.33
sdW=1583.0
fwW=1.27
sdS=548.3
fwS=1.52
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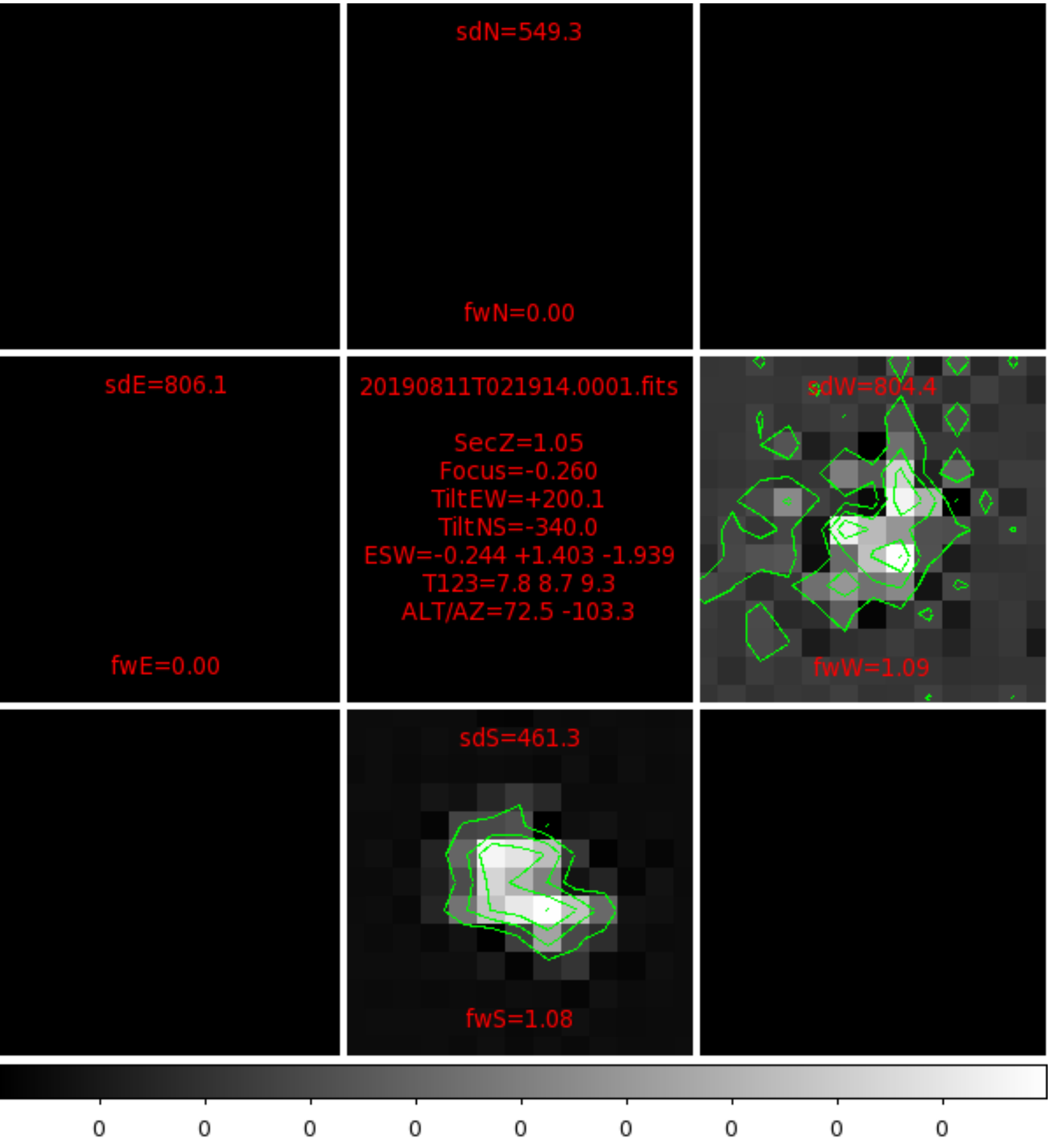
sdN=549.3
fwN=0.00
sdE=806.1
fwE=0.00
20190811T021914.0001.fits
SecZ=1.05
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.7 9.3
ALT/AZ=72.5 -103.3
sdW=804.4
fwW=1.09
sdS=461.3
fwS=1.08
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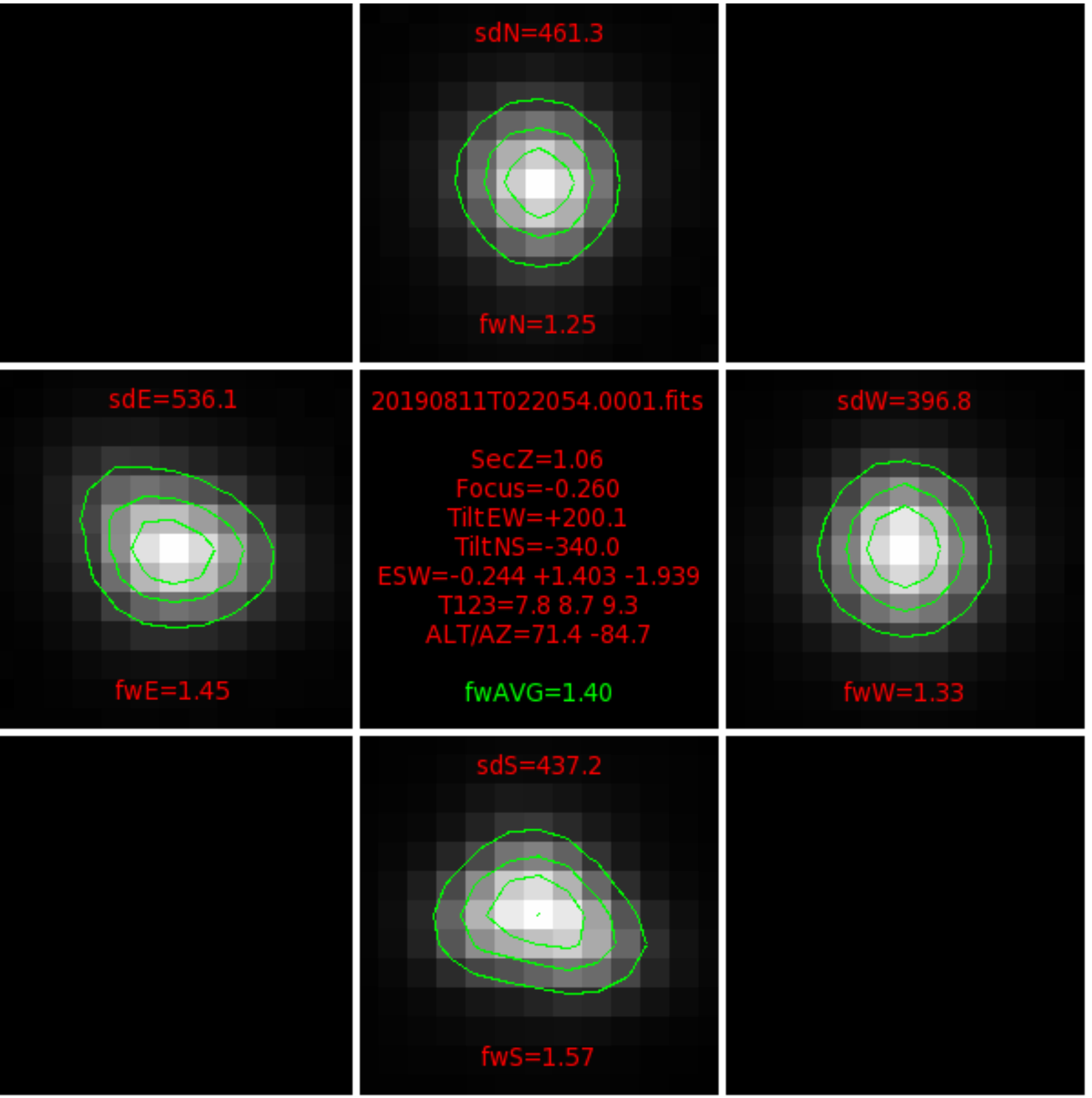
sdN=461.3
fwN=1.25
sdE=536.1
fwE=1.45
20190811T022054.0001.fits
SecZ=1.06
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.7 9.3
ALT/AZ=71.4 -84.7
fwAVG=1.40
sdW=396.8
fwW=1.33
sdS=437.2
fwS=1.57
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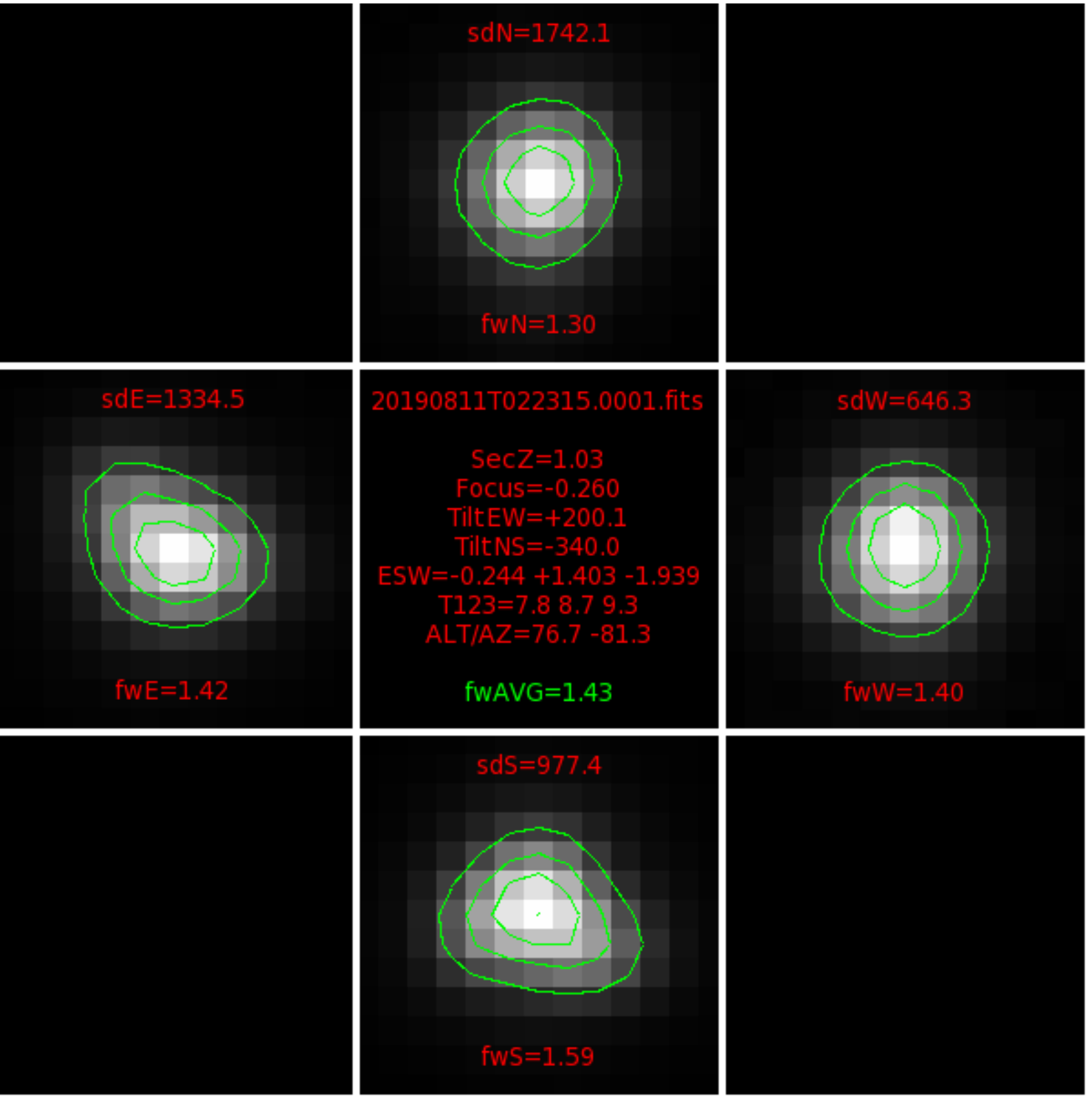
sdN=1742.1
fwN=1.30
sdE=1334.5
fwE=1.42
20190811T022315.0001.fits
SecZ=1.03
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.7 9.3
ALT/AZ=76.7 -81.3
fwAVG=1.43
sdW=646.3
fwW=1.40
sdS=977.4
fwS=1.59
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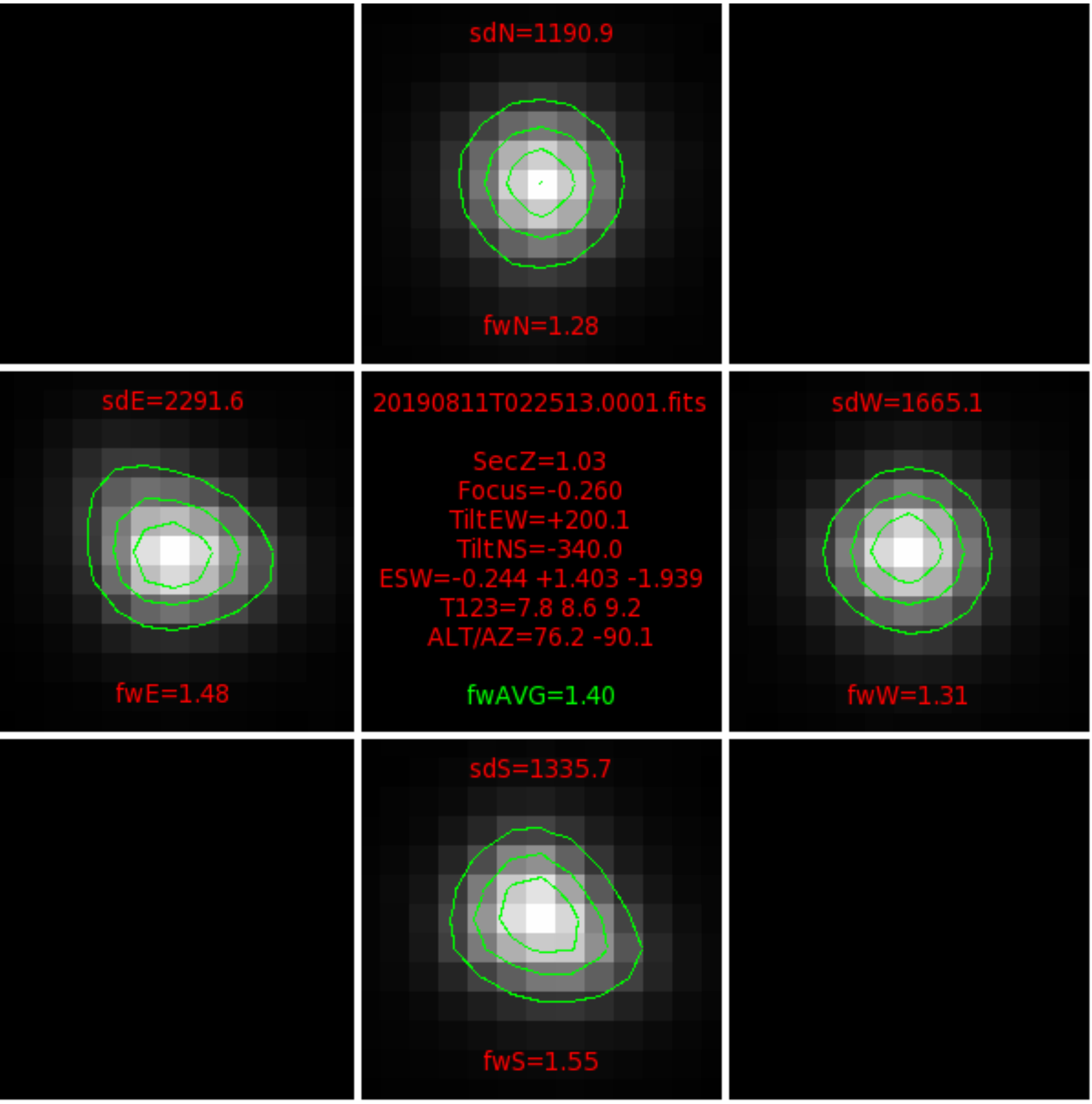
sdN=1190.9
fwN=1.28
sdE=2291.6
fwE=1.48
20190811T022513.0001.fits
SecZ=1.03
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.6 9.2
ALT/AZ=76.2 -90.1
fwAVG=1.40
sdW=1665.1
fwW=1.31
sdS=1335.7
fwS=1.55
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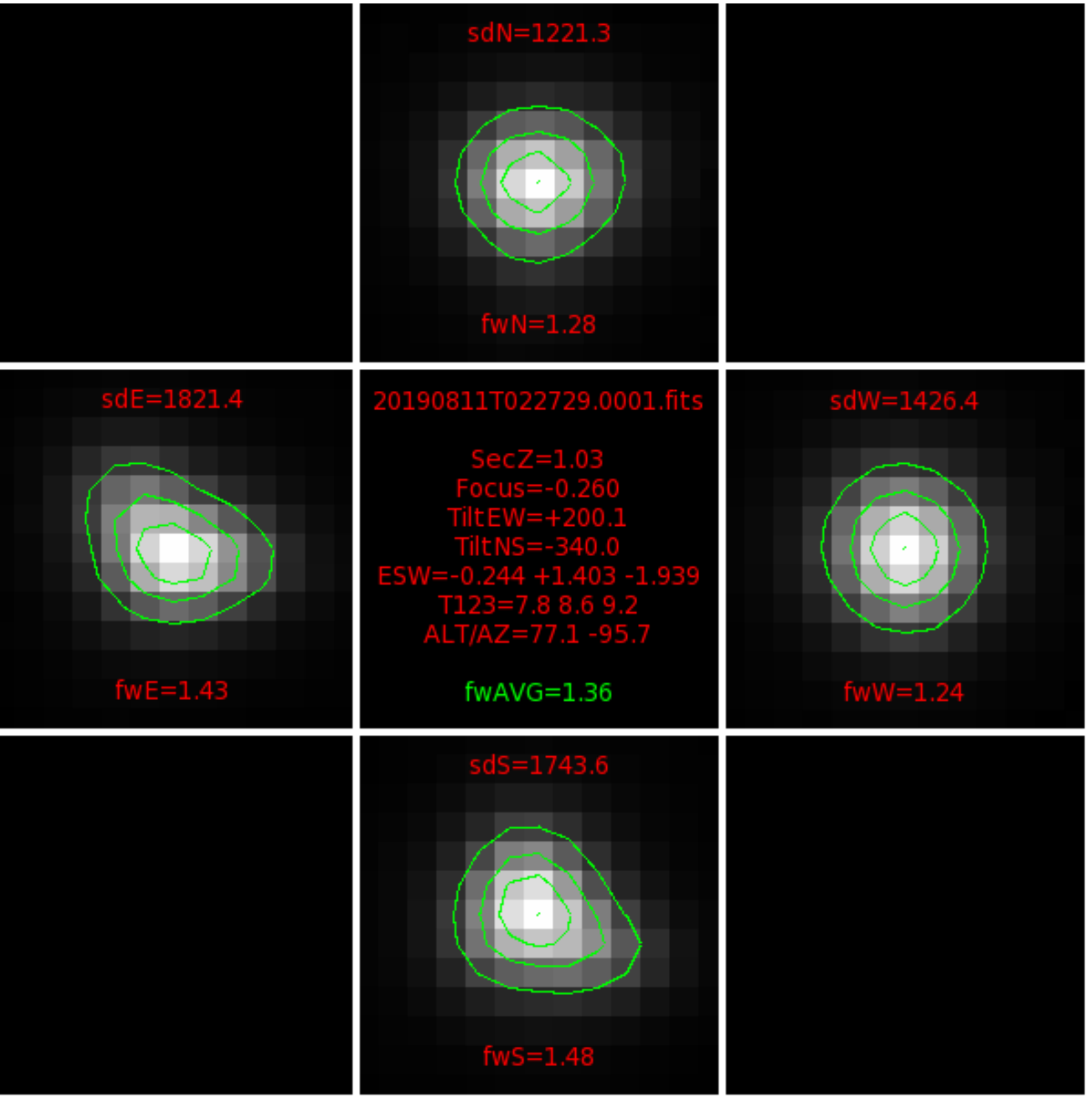
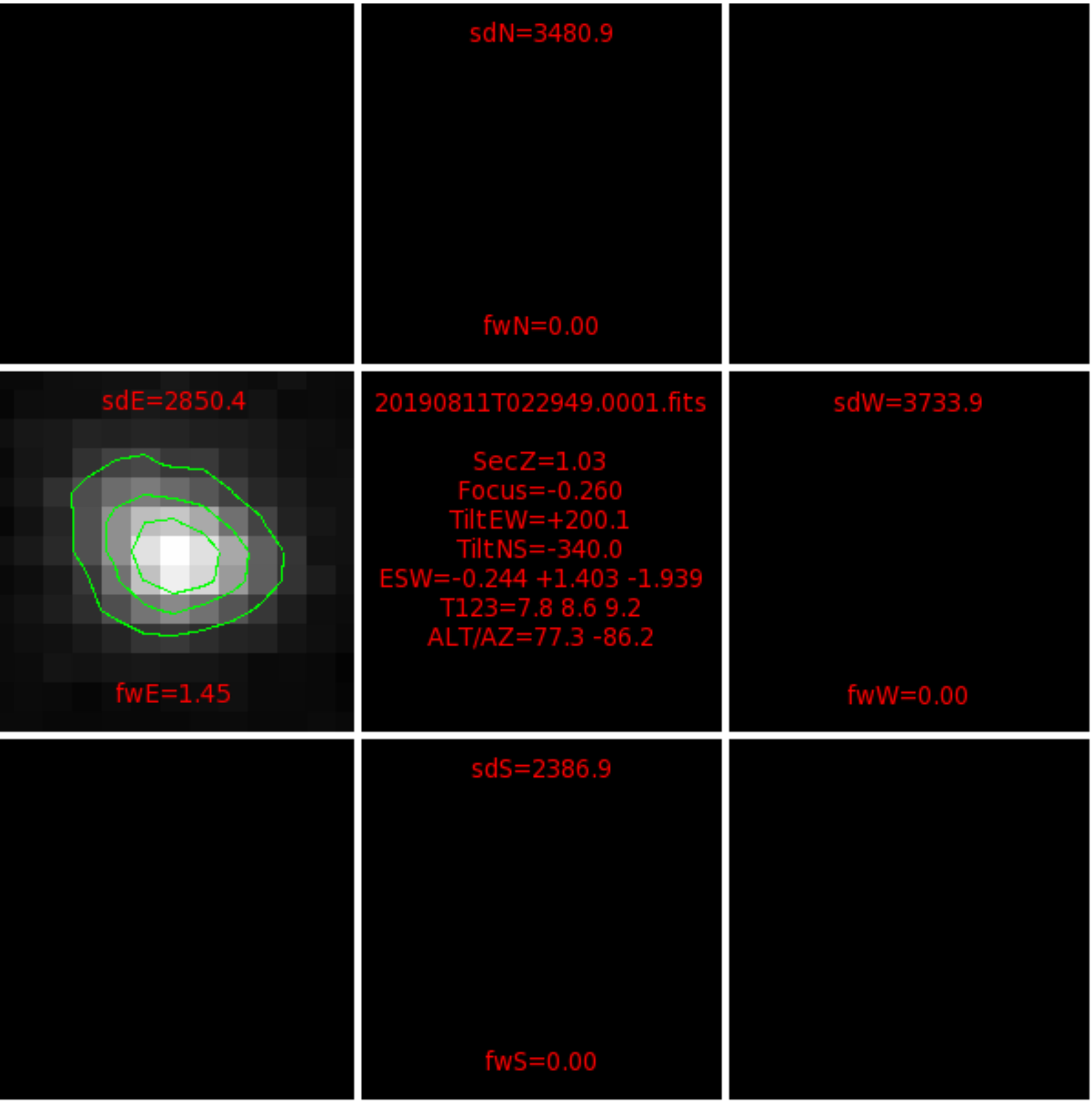

sdN=1221.3
fwN=1.28
sdE=1821.4
fwE=1.43
20190811T022729.0001.fits
SecZ=1.03
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.6 9.2
ALT/AZ=77.1 -95.7
fwAVG=1.36
sdW=1426.4
fwW=1.24
sdS=1743.6
fwS=1.48
0 0 0 0 0 0 0 0 0


sdN=3480.9
fwN=0.00
sdE=2850.4
fwE=1.45
20190811T022949.0001.fits
SecZ=1.03
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.6 9.2
ALT/AZ=77.3 -86.2
sdW=3733.9
fwW=0.00
sdS=2386.9
fwS=0.00
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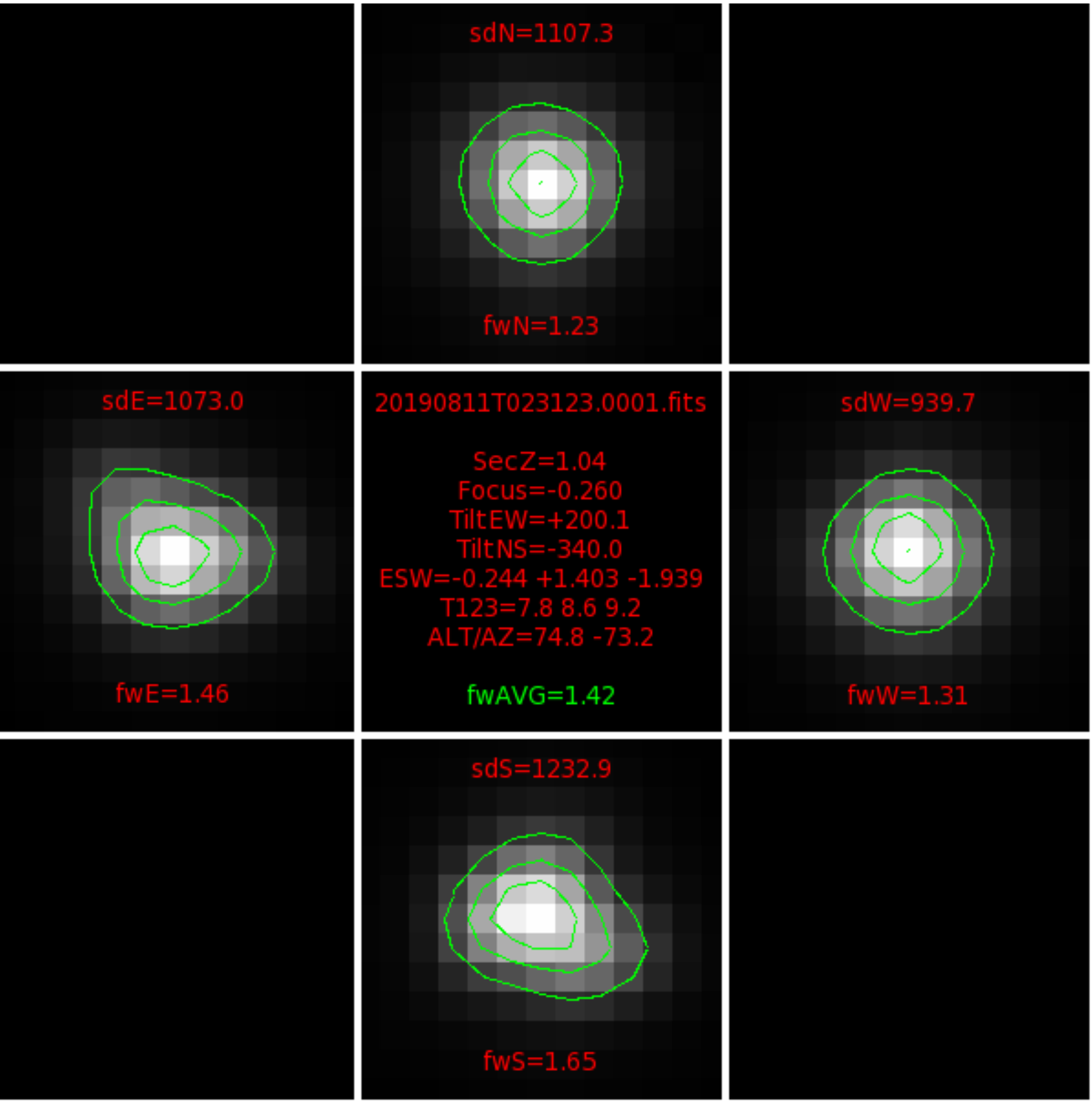
sdN=1107.3
fwN=1.23
sdE=1073.0
fwE=1.46
20190811T023123.0001.fits
SecZ=1.04
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.6 9.2
ALT/AZ=74.8 -73.2
fwAVG=1.42
sdW=939.7
fwW=1.31
sdS=1232.9
fwS=1.65
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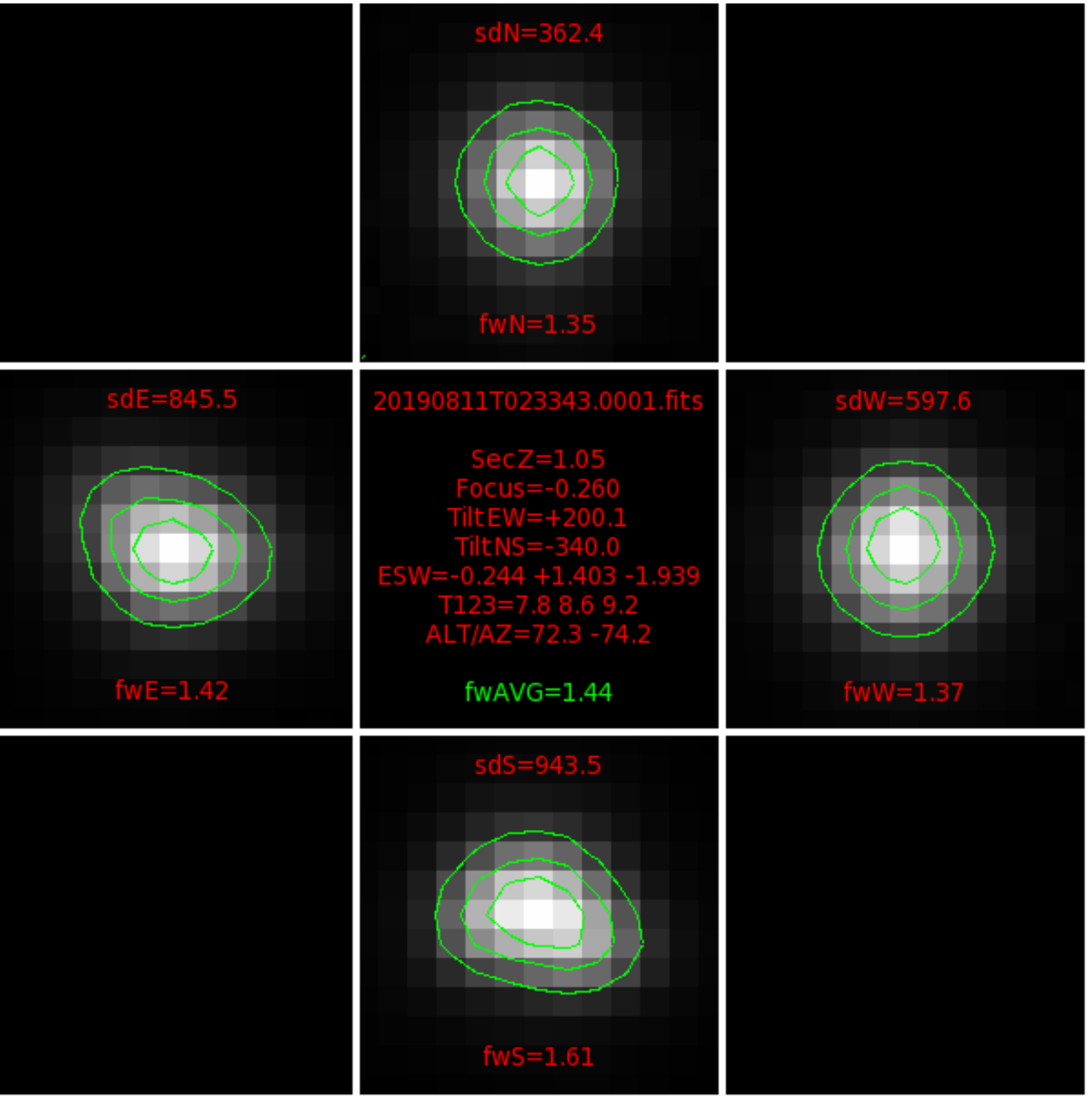
sdN=362.4
fwN=1.35
sdE=845.5
fwE=1.42
20190811T023343.0001.fits
SecZ=1.05
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.6 9.2
ALT/AZ=72.3 -74.2
fwAVG=1.44
sdW=597.6
fwW=1.37
sdS=943.5
fwS=1.61
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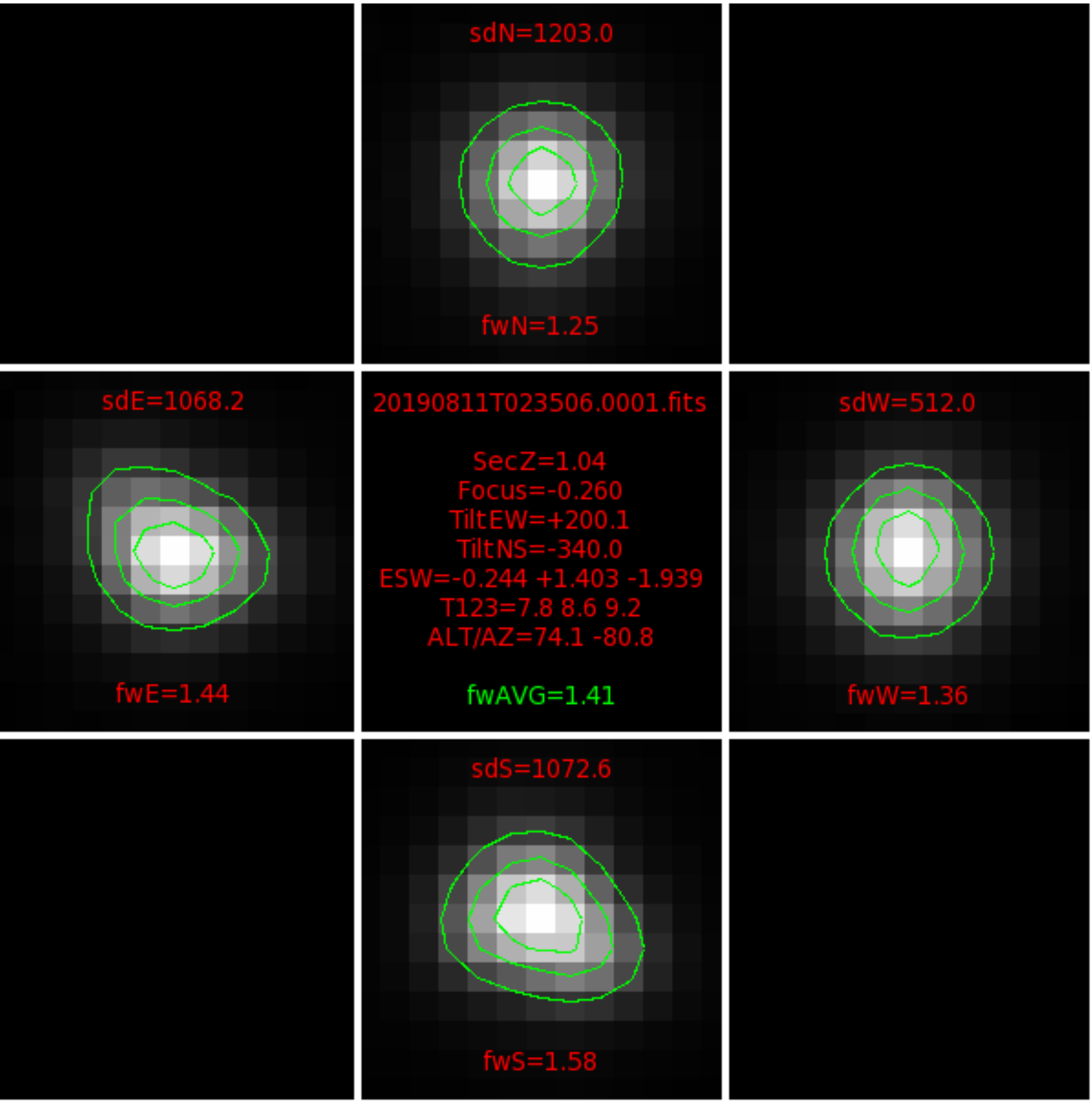
sdN=1203.0
fwN=1.25
sdE=1068.2
fwE=1.44
20190811T023506.0001.fits
SecZ=1.04
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.6 9.2
ALT/AZ=74.1 -80.8
fwAVG=1.41
sdW=512.0
fwW=1.36
sdS=1072.6
fwS=1.58
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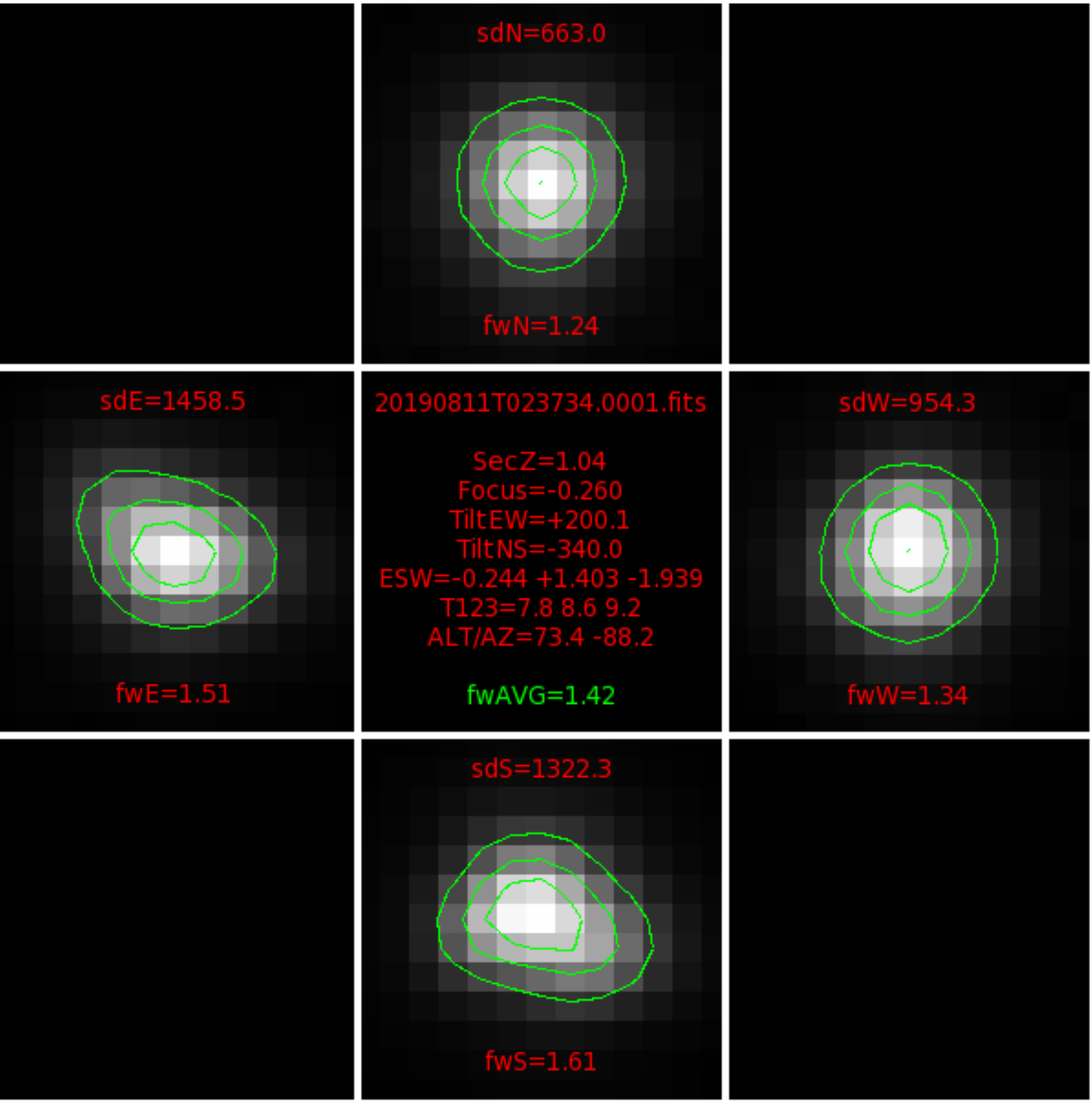
sdN=663.0
fwN=1.24
sdE=1458.5
fwE=1.51
20190811T023734.0001.fits
SecZ=1.04
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.6 9.2
ALT/AZ=73.4 -88.2
fwAVG=1.42
sdW=954.3
fwW=1.34
sdS=1322.3
fwS=1.61
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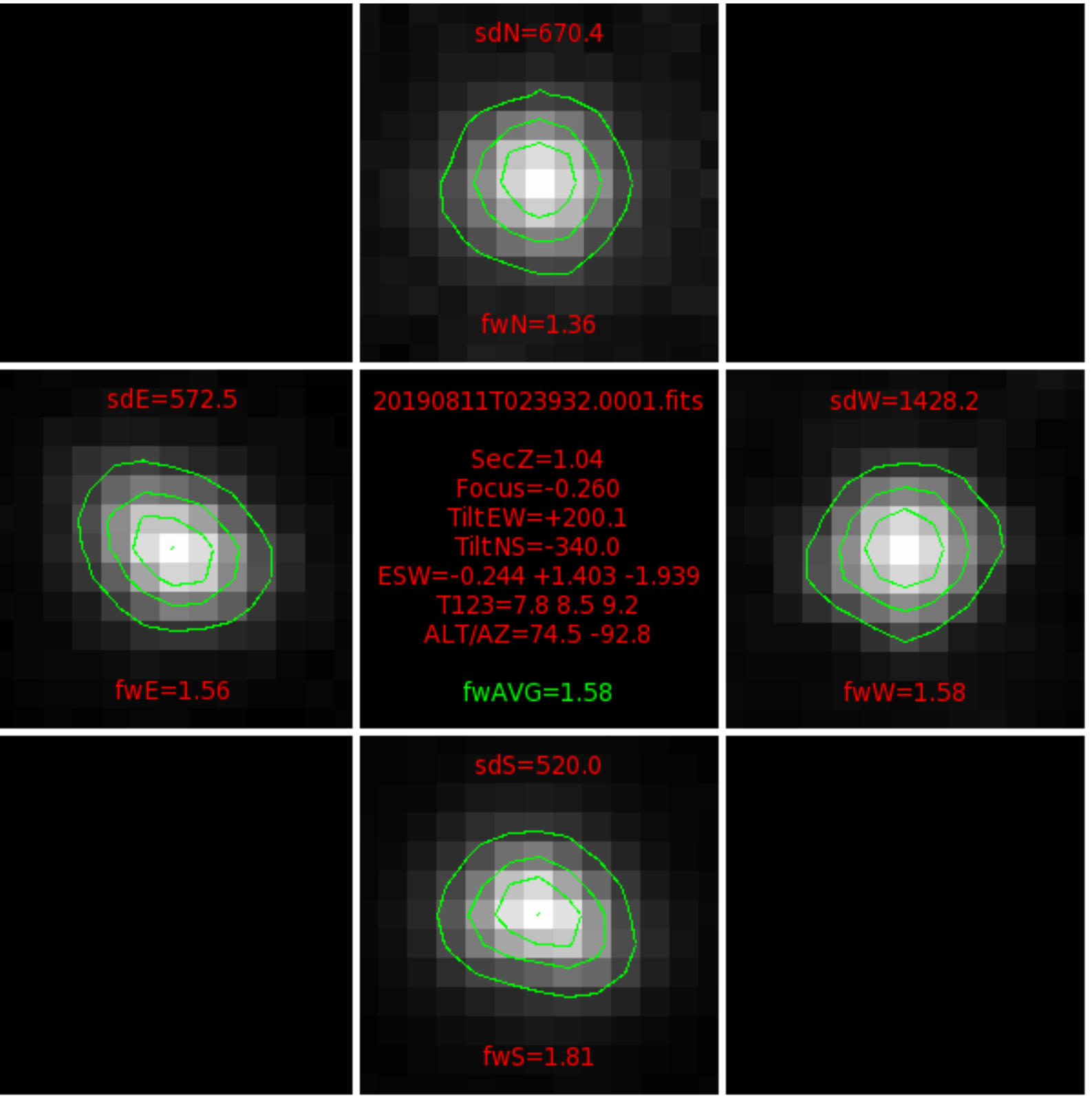
sdN=670.4
fwN=1.36
sdE=572.5
fwE=1.56
20190811T023932.0001.fits
SecZ=1.04
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.5 9.2
ALT/AZ=74.5 -92.8
fwAVG=1.58
sdW=1428.2
fwW=1.58
sdS=520.0
fwS=1.81
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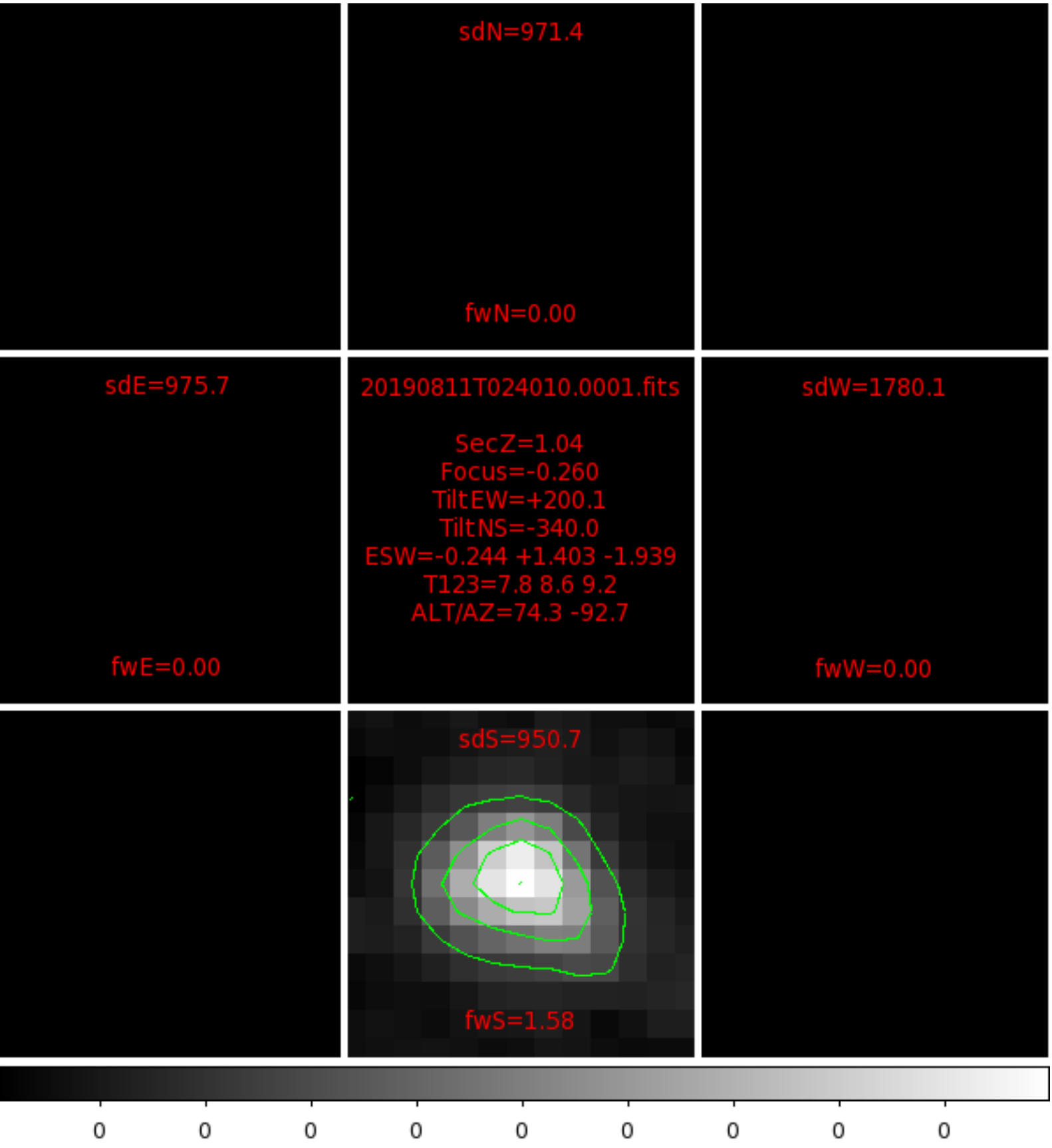
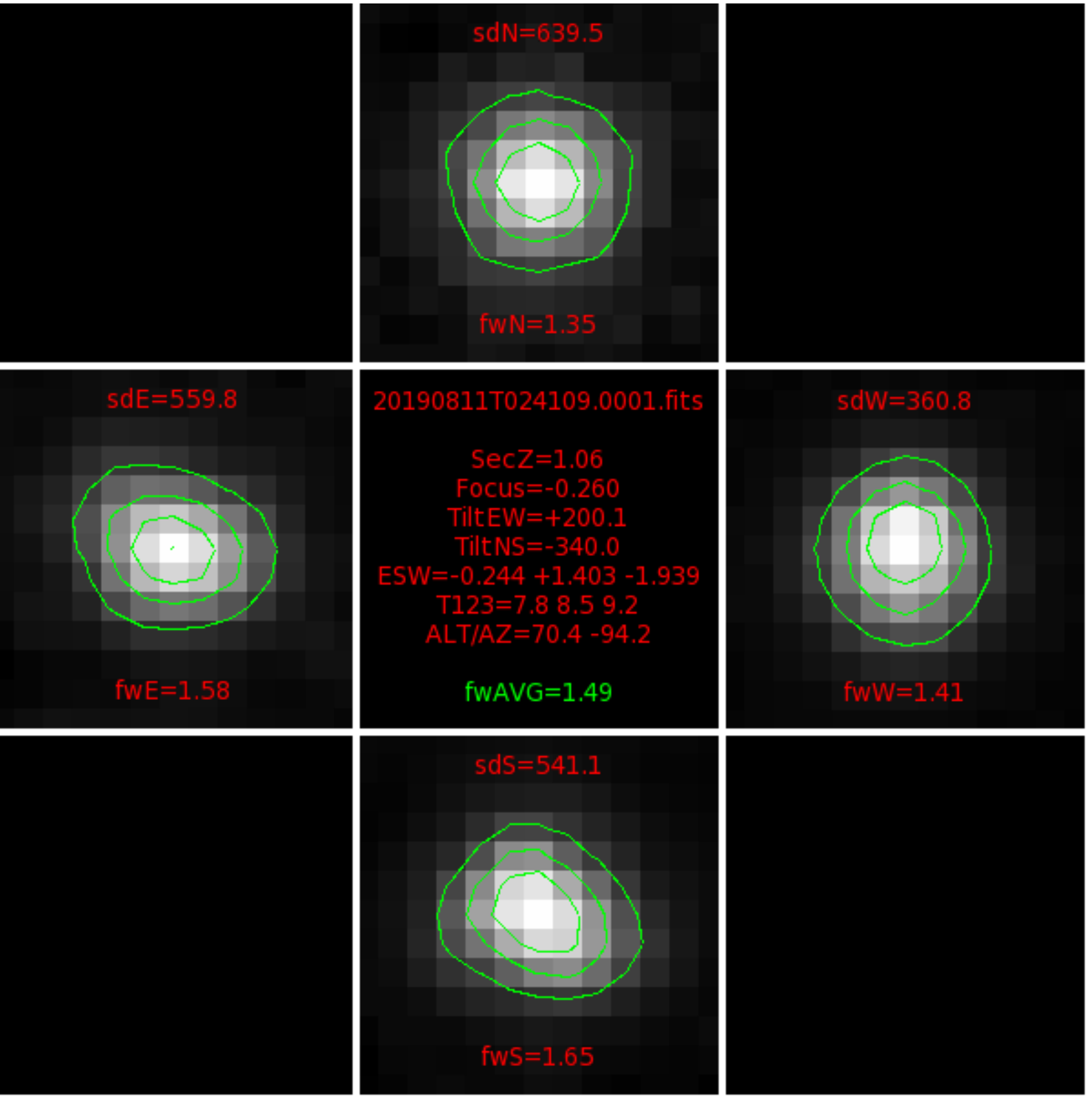
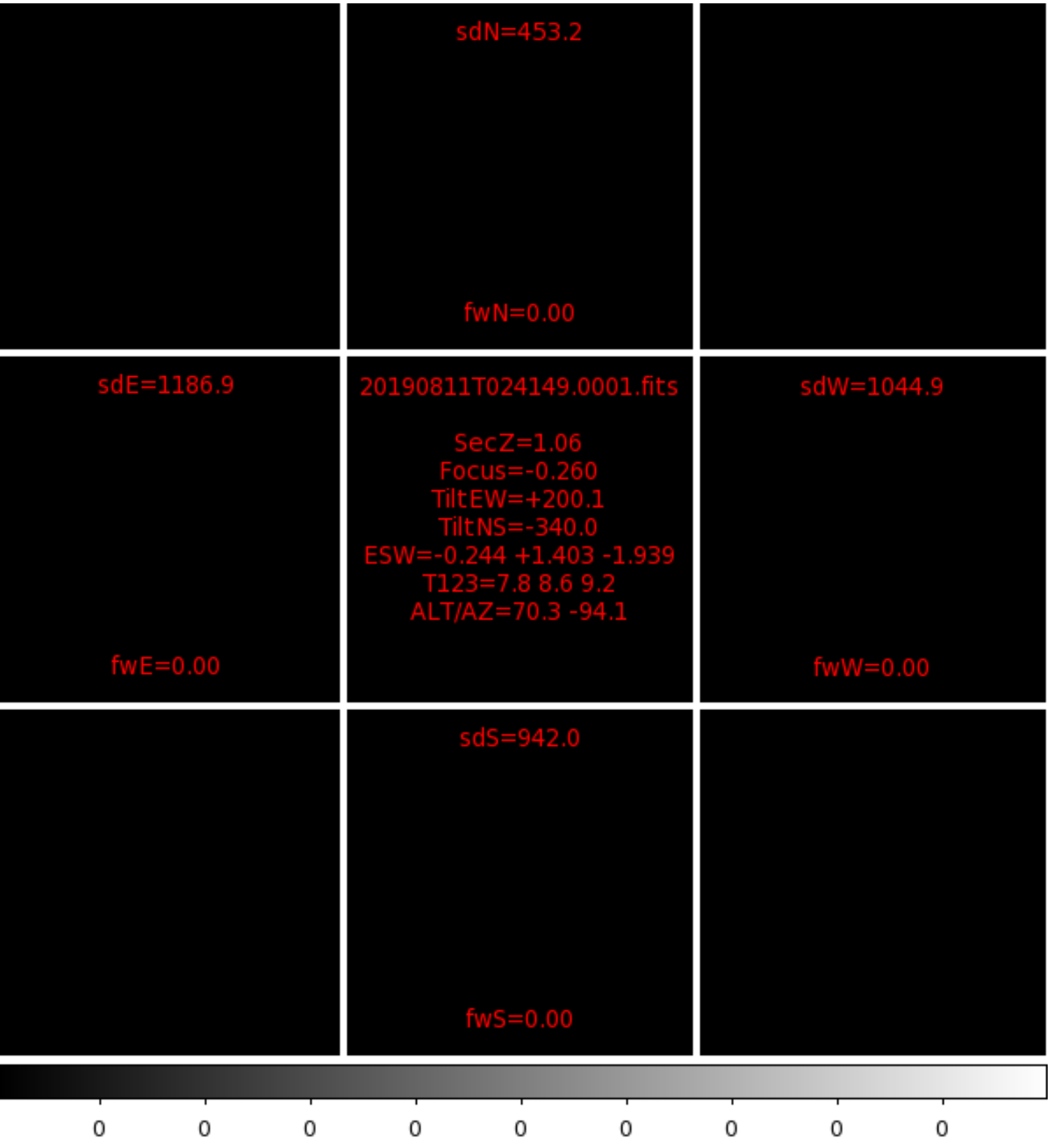
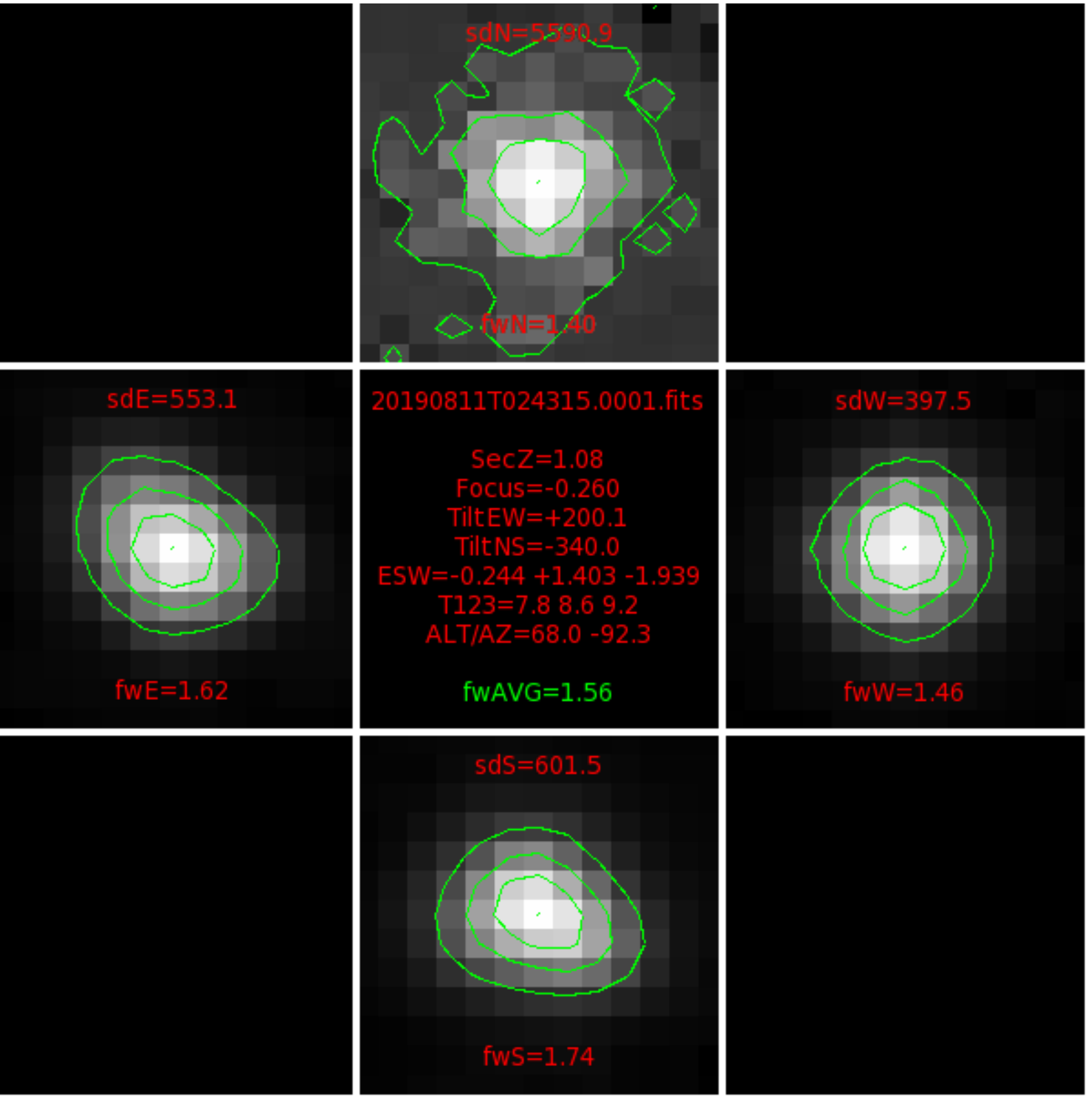

sdN=971.4
fwN=0.00
sdE=975.7
fwE=0.00
20190811T024010.0001.fits
SecZ=1.04
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.6 9.2
ALT/AZ=74.3 -92.7
sdW=1780.1
fwW=0.00
sdS=950.7
fwS=1.58
0 0 0 0 0 0 0 0 0


sdN=639.5
fwN=1.35
sdE=559.8
fwE=1.58
20190811T024109.0001.fits
SecZ=1.06
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.5 9.2
ALT/AZ=70.4 -94.2
fwAVG=1.49
sdW=360.8
fwW=1.41
sdS=541.1
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=453.2
fwN=0.00
sdE=1186.9
fwE=0.00
20190811T024149.0001.fits
SecZ=1.06
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.6 9.2
ALT/AZ=70.3 -94.1
sdW=1044.9
fwW=0.00
sdS=942.0
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=5590.9
fwN=1.40
sdE=553.1
20190811T024315.0001.fits
SecZ=1.08
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.6 9.2
ALT/AZ=68.0 -92.3
fwAVG=1.56
sdW=397.5
fwE=1.62
fwW=1.46
sdS=601.5
fwS=1.74
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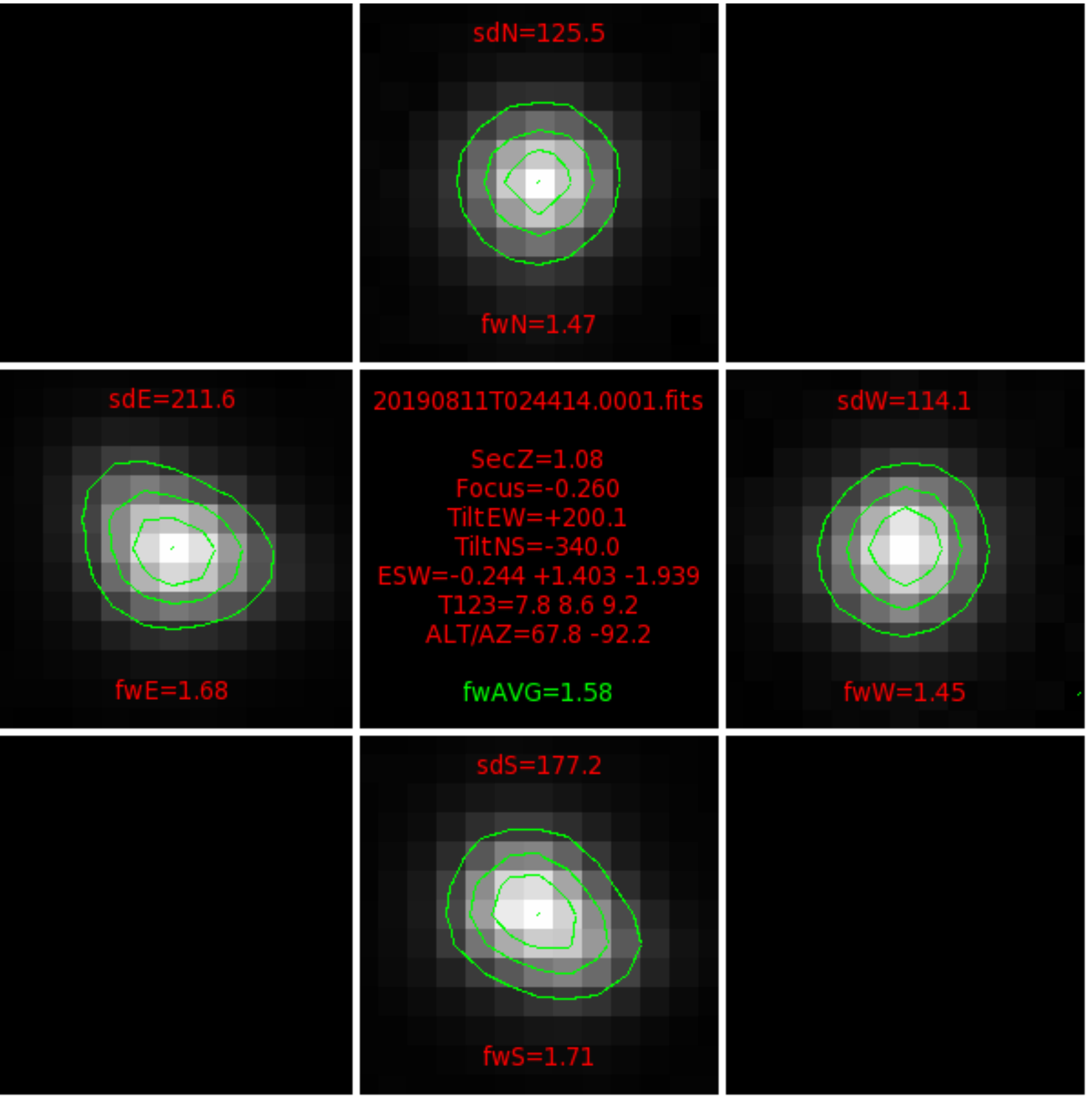
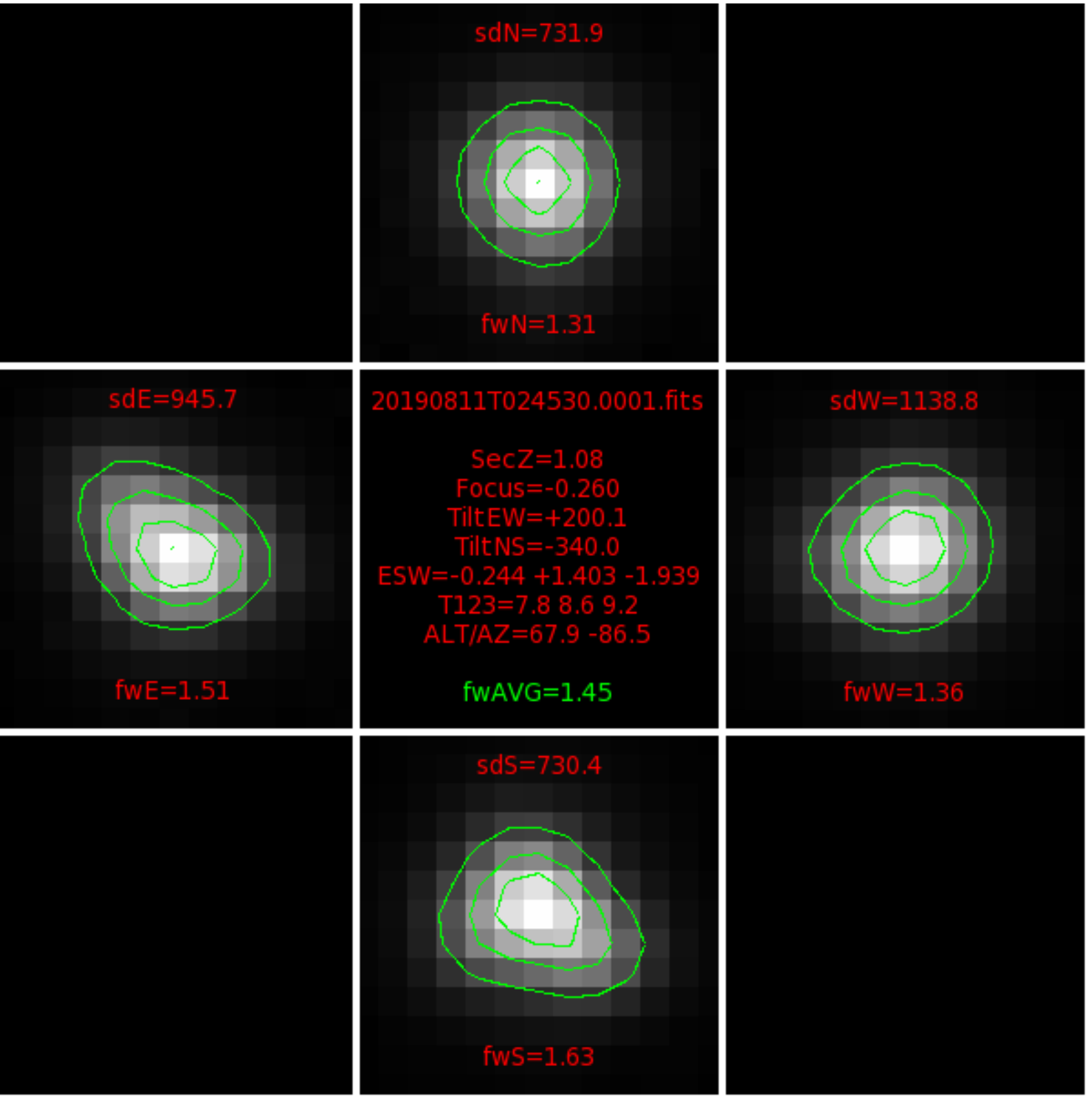

sdN=125.5
fwN=1.47
sdE=211.6
fwE=1.68
20190811T024414.0001.fits
SecZ=1.08
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.6 9.2
ALT/AZ=67.8 -92.2
fwAVG=1.58
sdW=114.1
fwW=1.45
sdS=177.2
fwS=1.71
0 0 0 0 0 0 0 0 0


sdN=731.9
fwN=1.31
sdE=945.7
fwE=1.51
20190811T024530.0001.fits
SecZ=1.08
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.6 9.2
ALT/AZ=67.9 -86.5
fwAVG=1.45
sdW=1138.8
fwW=1.36
sdS=730.4
fwS=1.63
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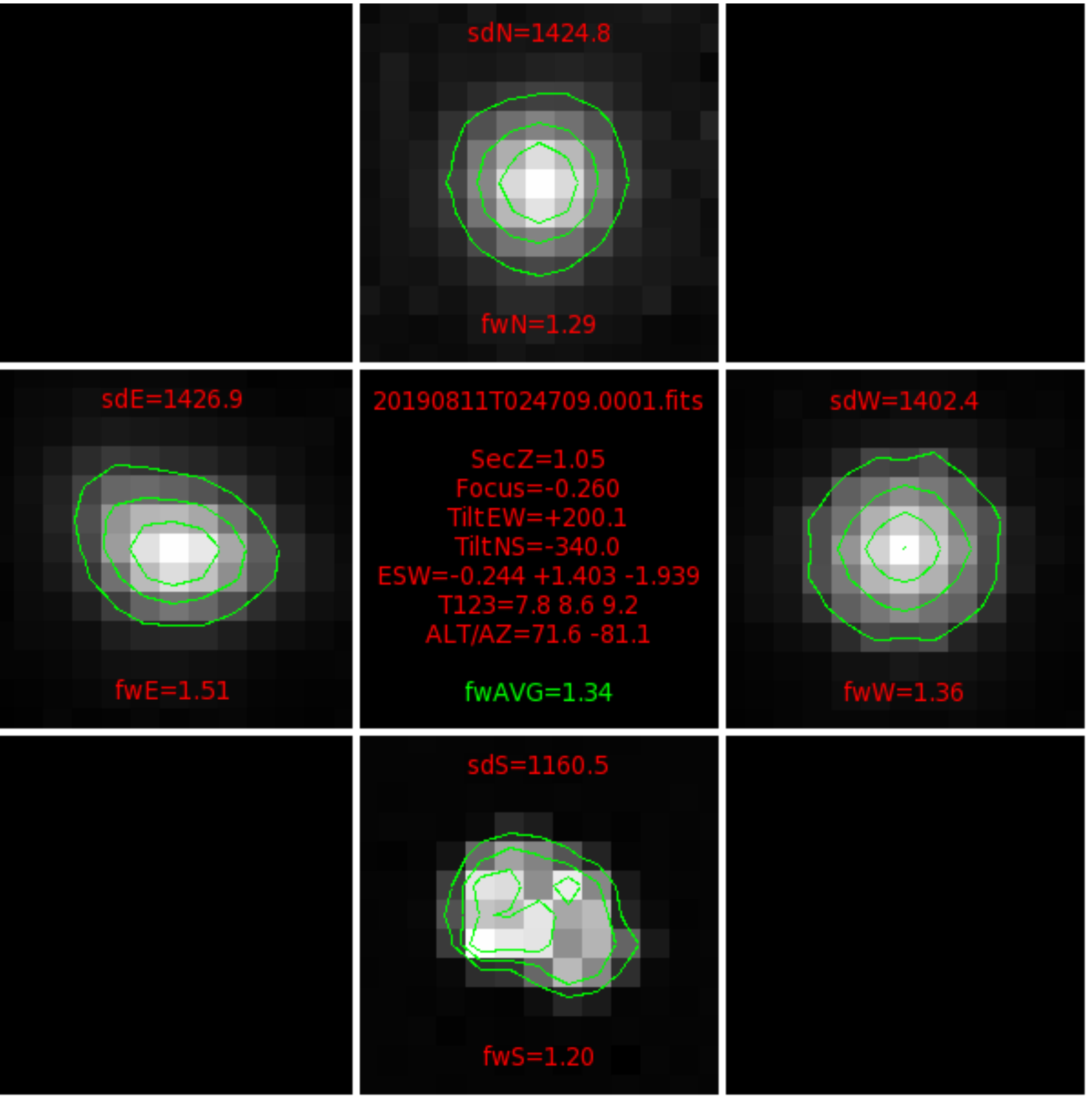
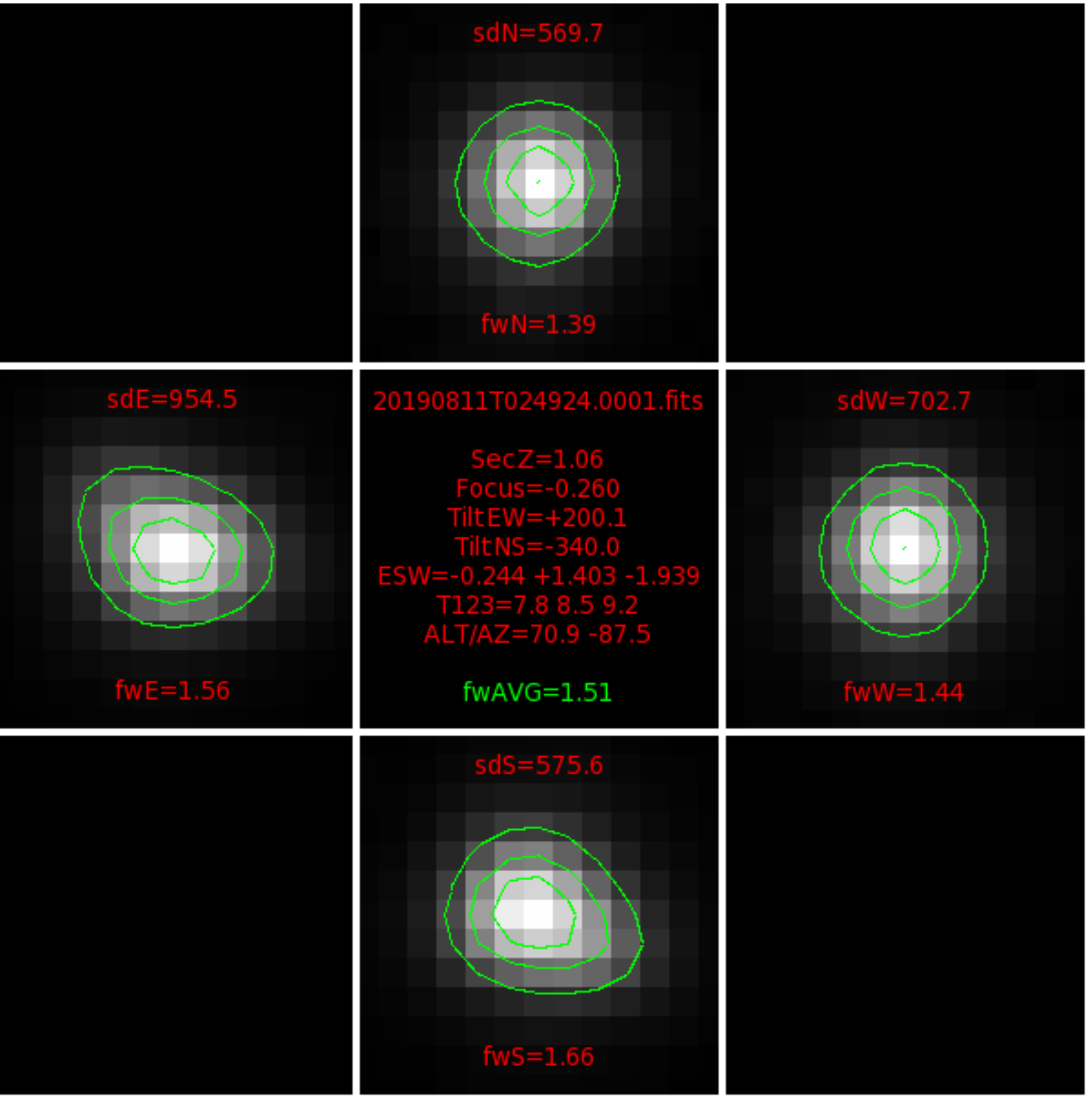

sdN=1424.8
fwN=1.29
sdE=1426.9
fwE=1.51
20190811T024709.0001.fits
SecZ=1.05
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.6 9.2
ALT/AZ=71.6 -81.1
fwAVG=1.34
sdW=1402.4
fwW=1.36
sdS=1160.5
fwS=1.20
0 0 0 0 0 0 0 0 0


sdN=569.7
fwN=1.39
sdE=954.5
fwE=1.56
20190811T024924.0001.fits
SecZ=1.06
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.5 9.2
ALT/AZ=70.9 -87.5
fwAVG=1.51
sdW=702.7
fwW=1.44
sdS=575.6
fwS=1.66
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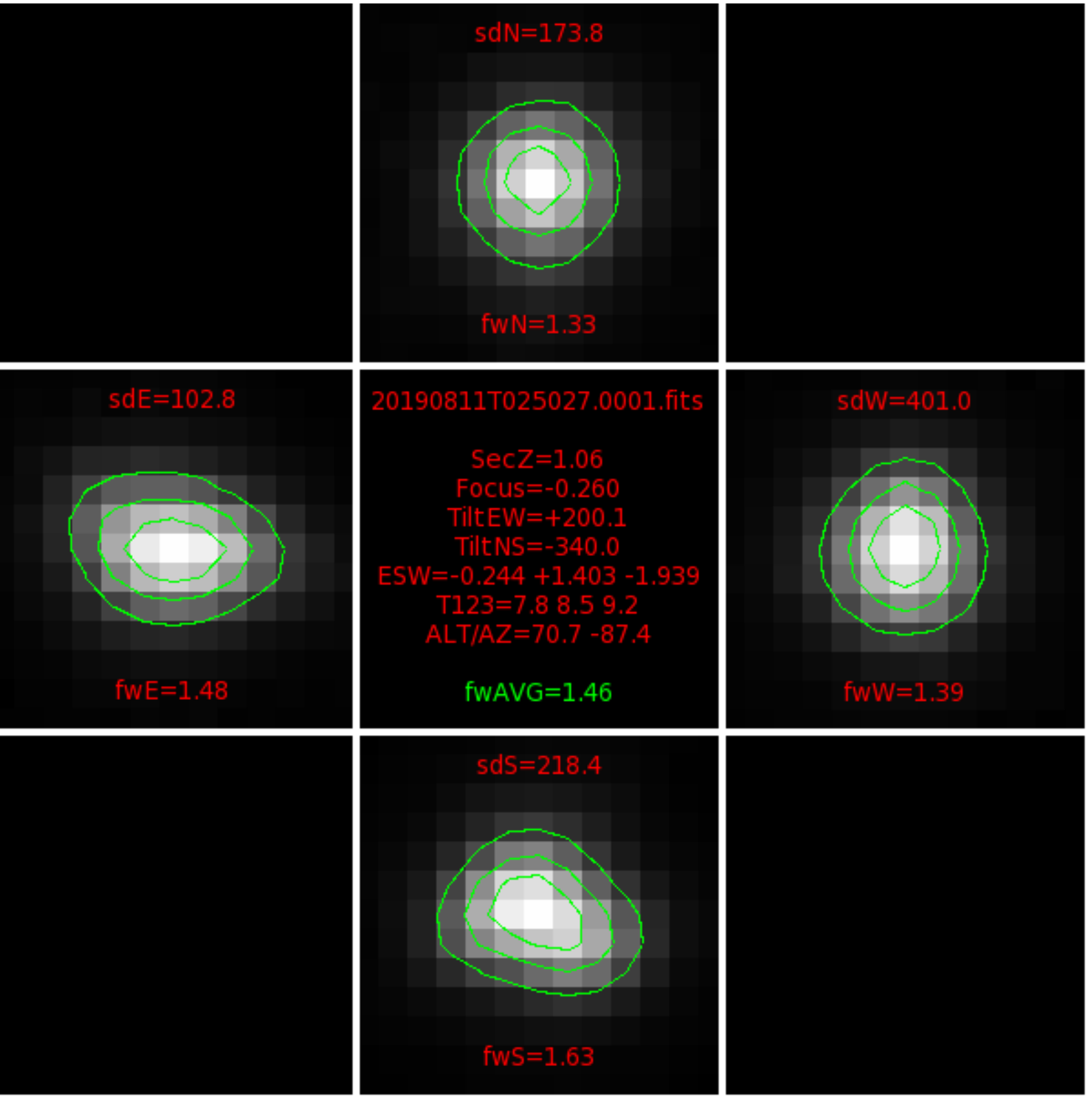
sdN=173.8
fwN=1.33
sdE=102.8
fwE=1.48
20190811T025027.0001.fits
SecZ=1.06
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.5 9.2
ALT/AZ=70.7 -87.4
fwAVG=1.46
sdW=401.0
fwW=1.39
sdS=218.4
fwS=1.63
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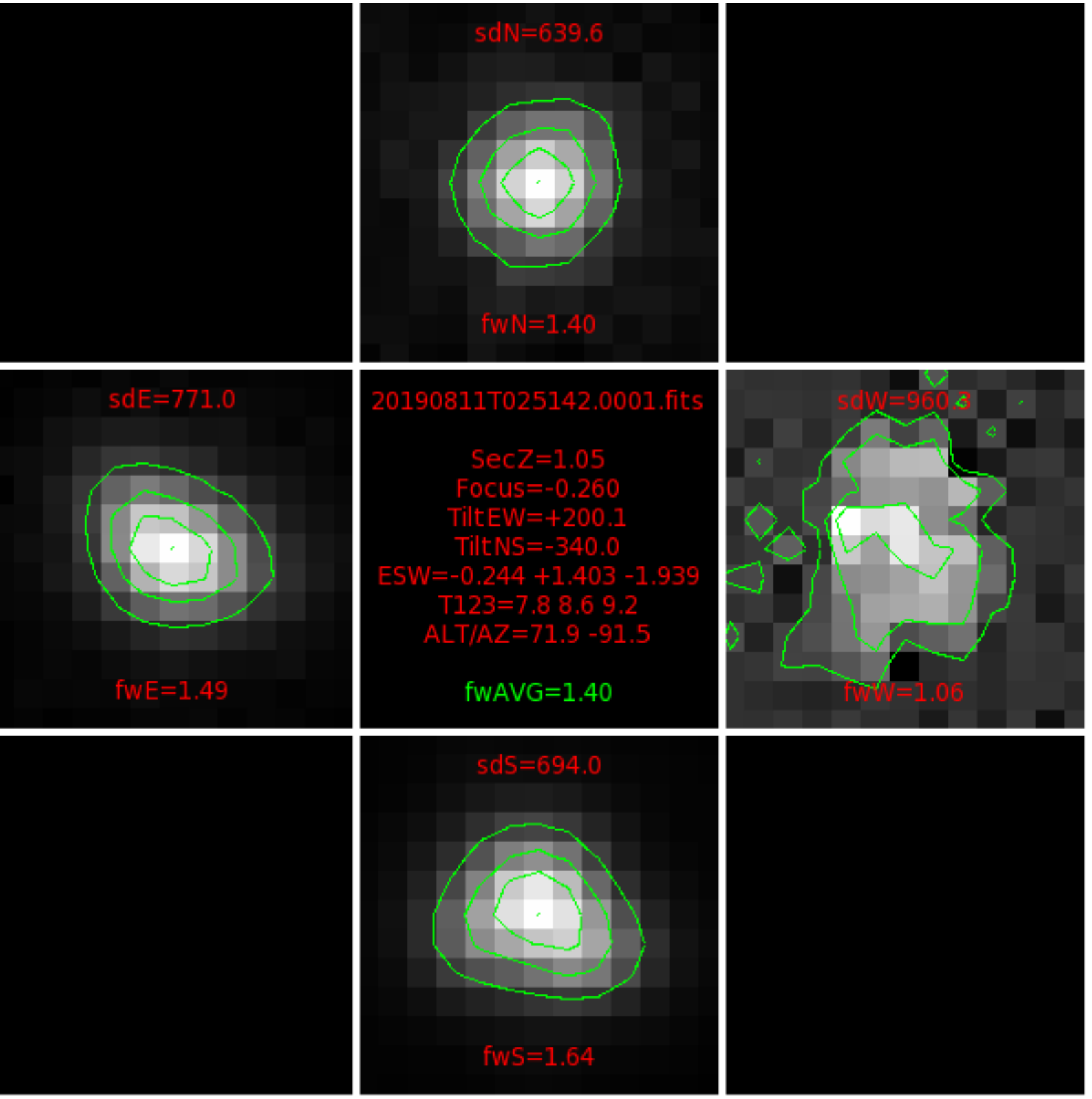
sdN=639.6
fwN=1.40
sdE=771.0
fwE=1.49
20190811T025142.0001.fits
SecZ=1.05
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.6 9.2
ALT/AZ=71.9 -91.5
fwAVG=1.40
sdW=960.3
fwW=1.06
sdS=694.0
fwS=1.64
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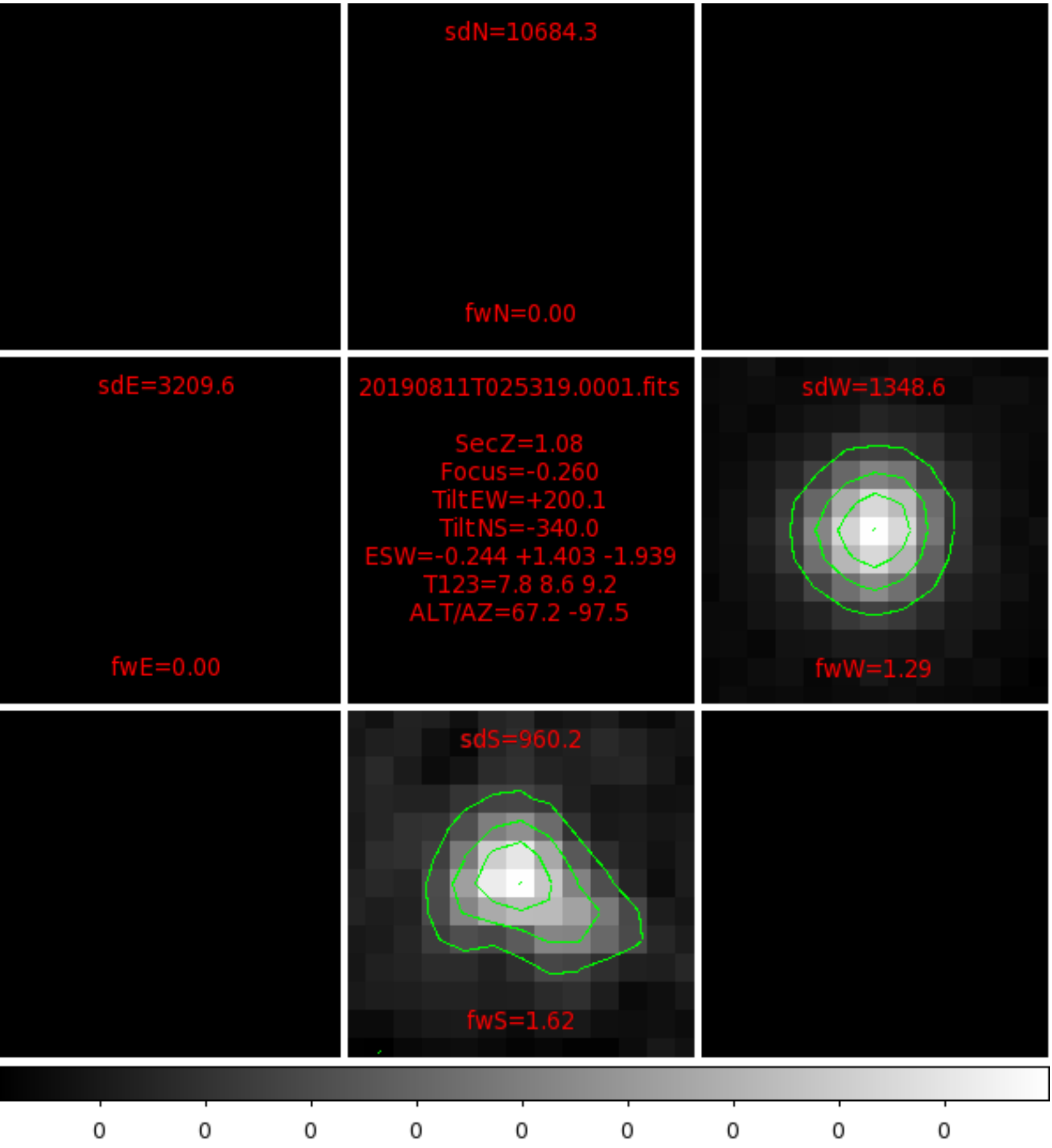
sdN=10684.3
fwN=0.00
sdE=3209.6
fwE=0.00
20190811T025319.0001.fits
SecZ=1.08
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.6 9.2
ALT/AZ=67.2 -97.5
sdW=1348.6
fwW=1.29
sdS=960.2
fwS=1.62
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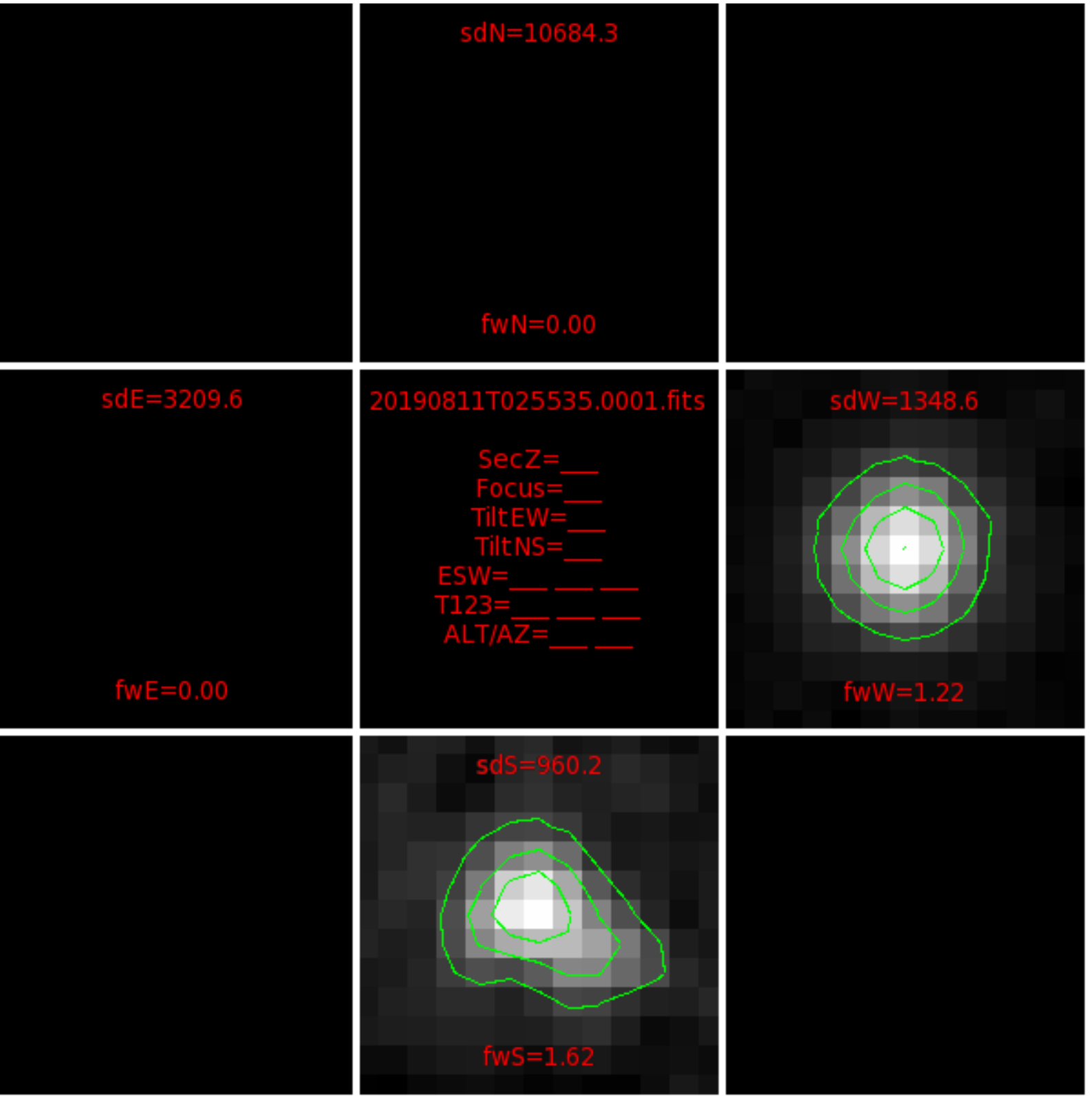
sdN=10684.3
fwN=0.00
sdE=3209.6
fwE=0.00
20190811T025535.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
sdW=1348.6
fwW=1.22
sdS=960.2
fwS=1.62
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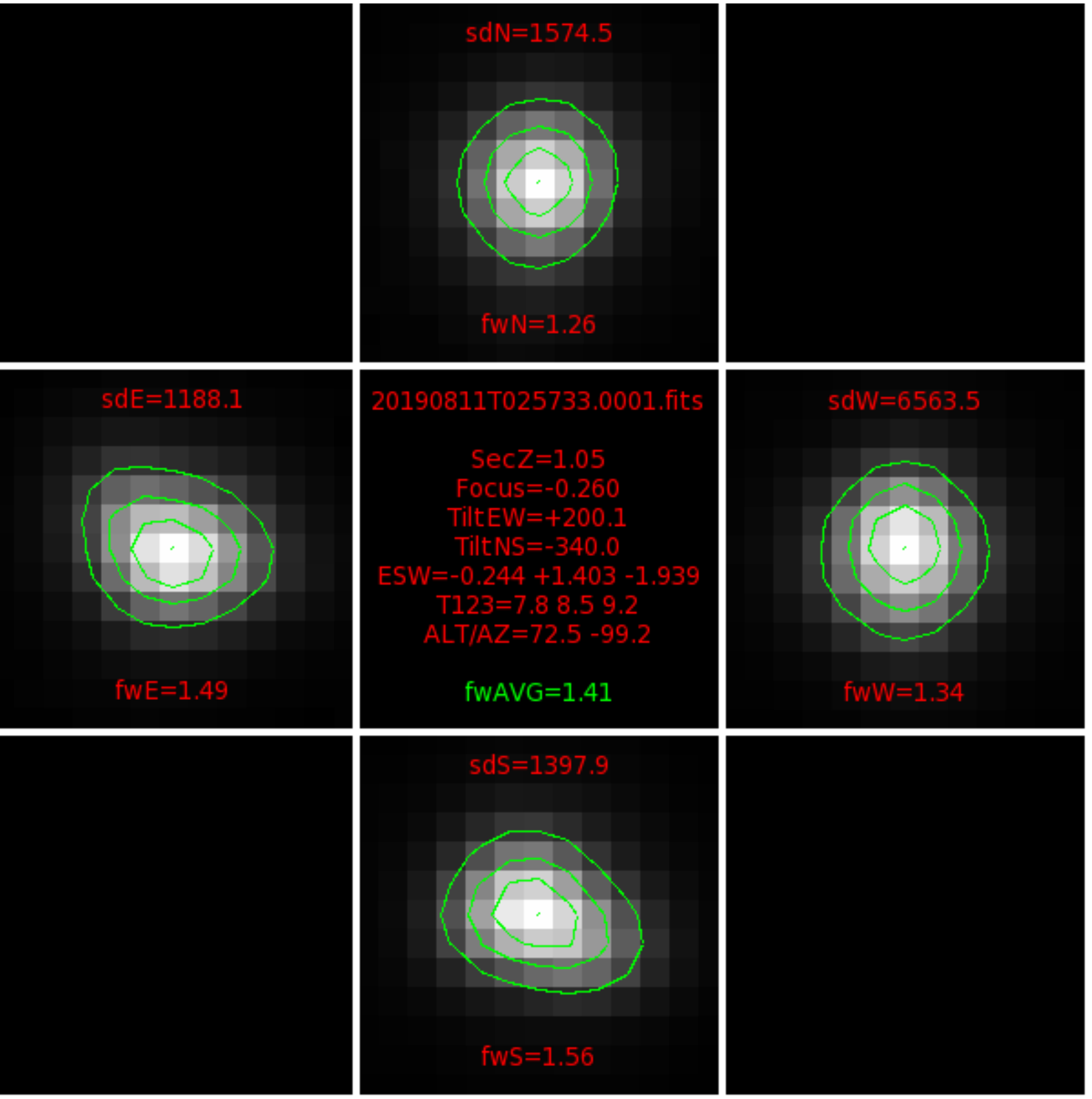
sdN=1574.5
fwN=1.26
sdE=1188.1
fwE=1.49
20190811T025733.0001.fits
SecZ=1.05
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.5 9.2
ALT/AZ=72.5 -99.2
fwAVG=1.41
sdW=6563.5
fwW=1.34
sdS=1397.9
fwS=1.56
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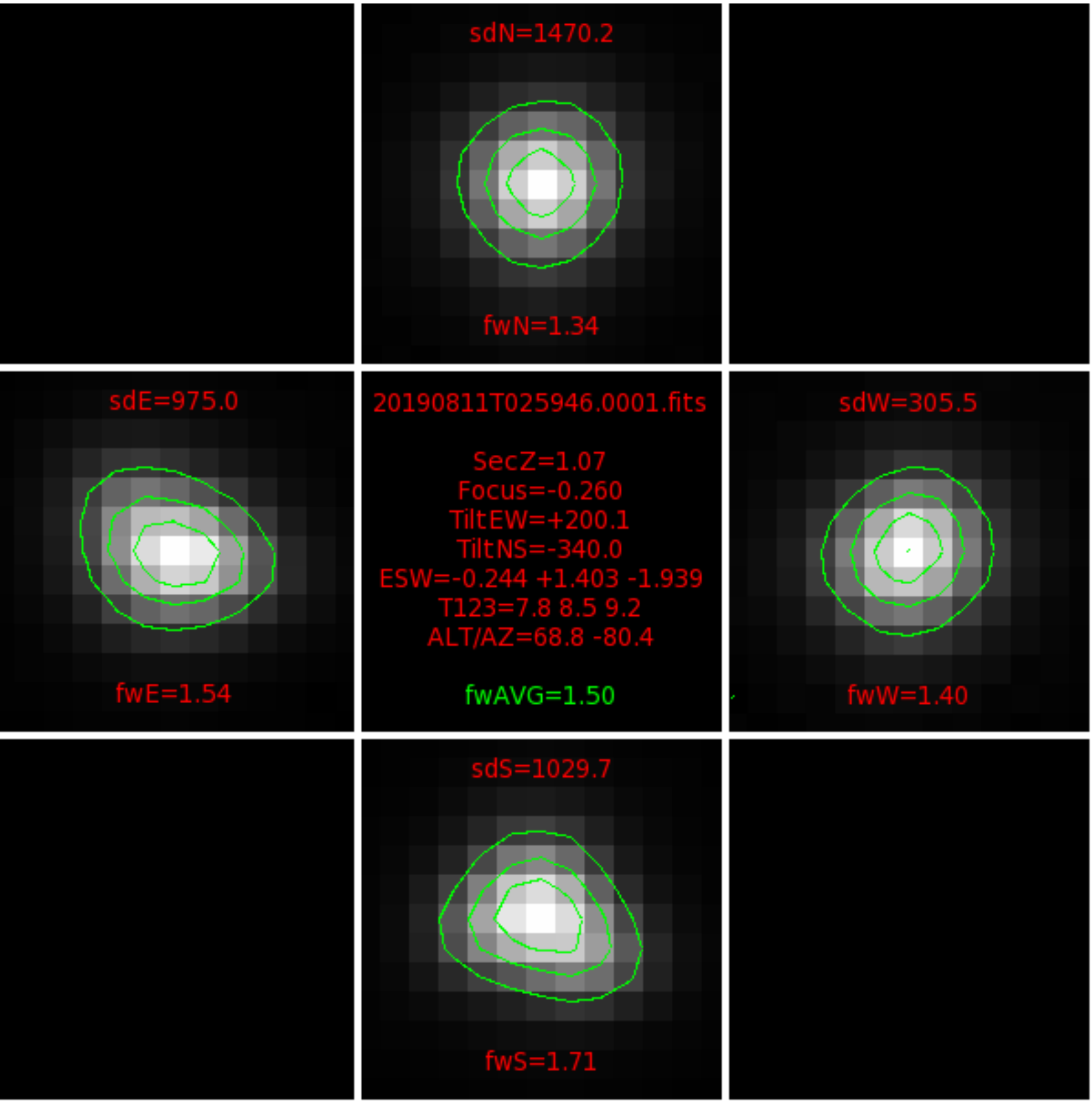
sdN=1470.2
fwN=1.34
sdE=975.0
fwE=1.54
20190811T025946.0001.fits
SecZ=1.07
Focus=-0.260
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.244 +1.403 -1.939
T123=7.8 8.5 9.2
ALT/AZ=68.8 -80.4
fwAVG=1.50
sdW=305.5
fwW=1.40
sdS=1029.7
fwS=1.71
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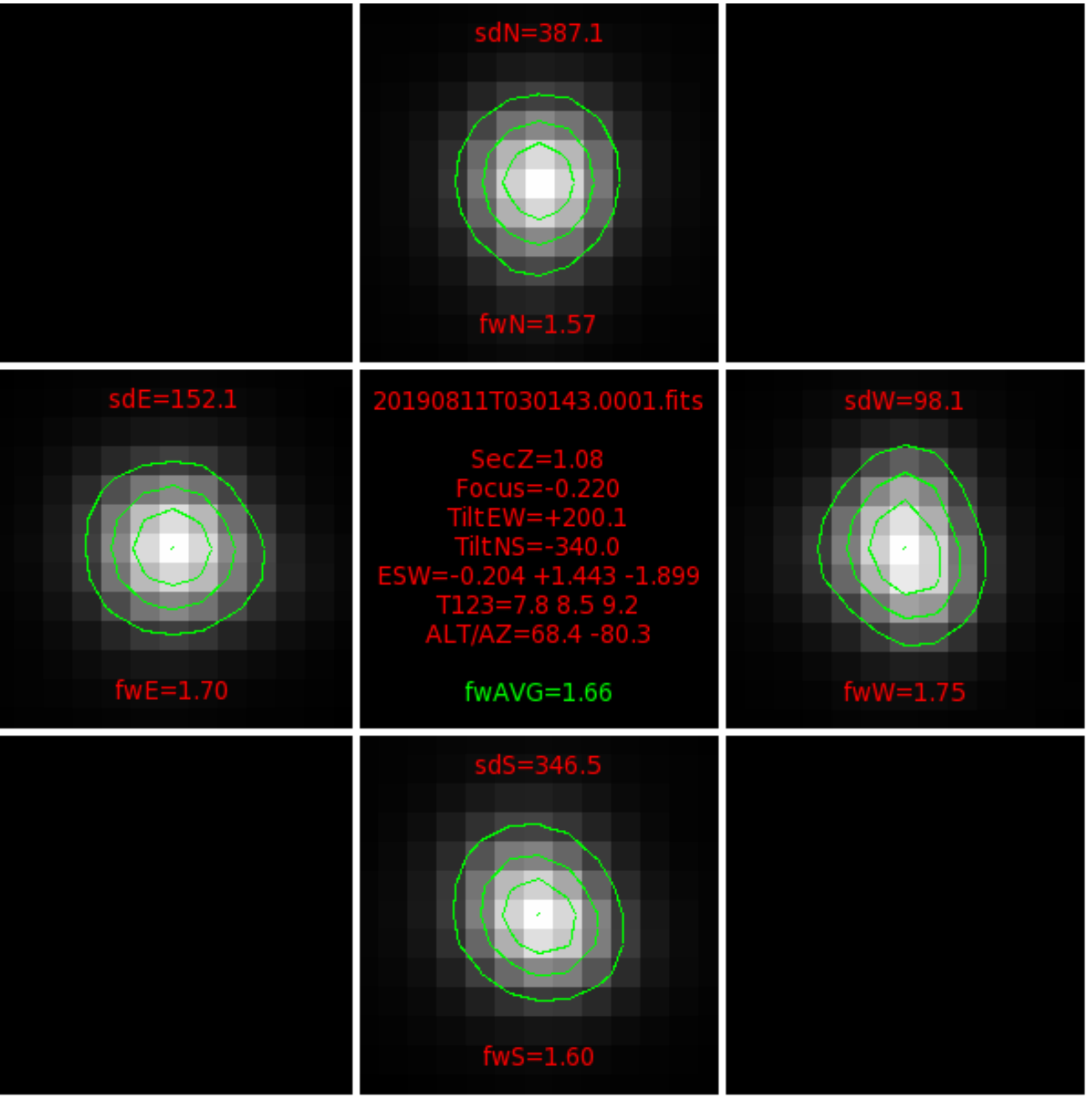
sdN=387.1
fwN=1.57
sdE=152.1
fwE=1.70
20190811T030143.0001.fits
SecZ=1.08
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.8 8.5 9.2
ALT/AZ=68.4 -80.3
fwAVG=1.66
sdW=98.1
fwW=1.75
sdS=346.5
fwS=1.60
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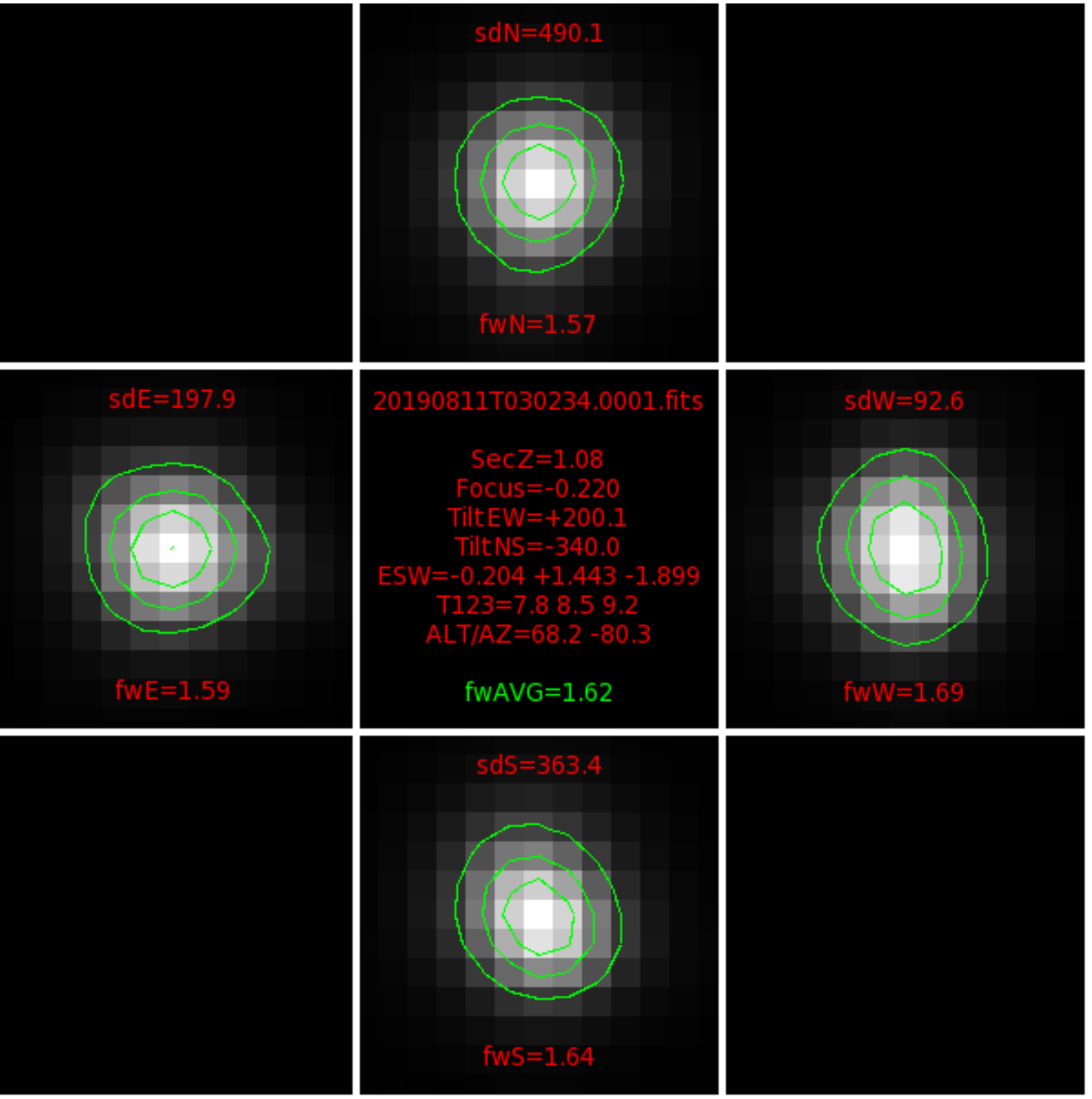
sdN=490.1
fwN=1.57
sdE=197.9
fwE=1.59
20190811T030234.0001.fits
SecZ=1.08
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.8 8.5 9.2
ALT/AZ=68.2 -80.3
fwAVG=1.62
sdW=92.6
fwW=1.69
sdS=363.4
fwS=1.64
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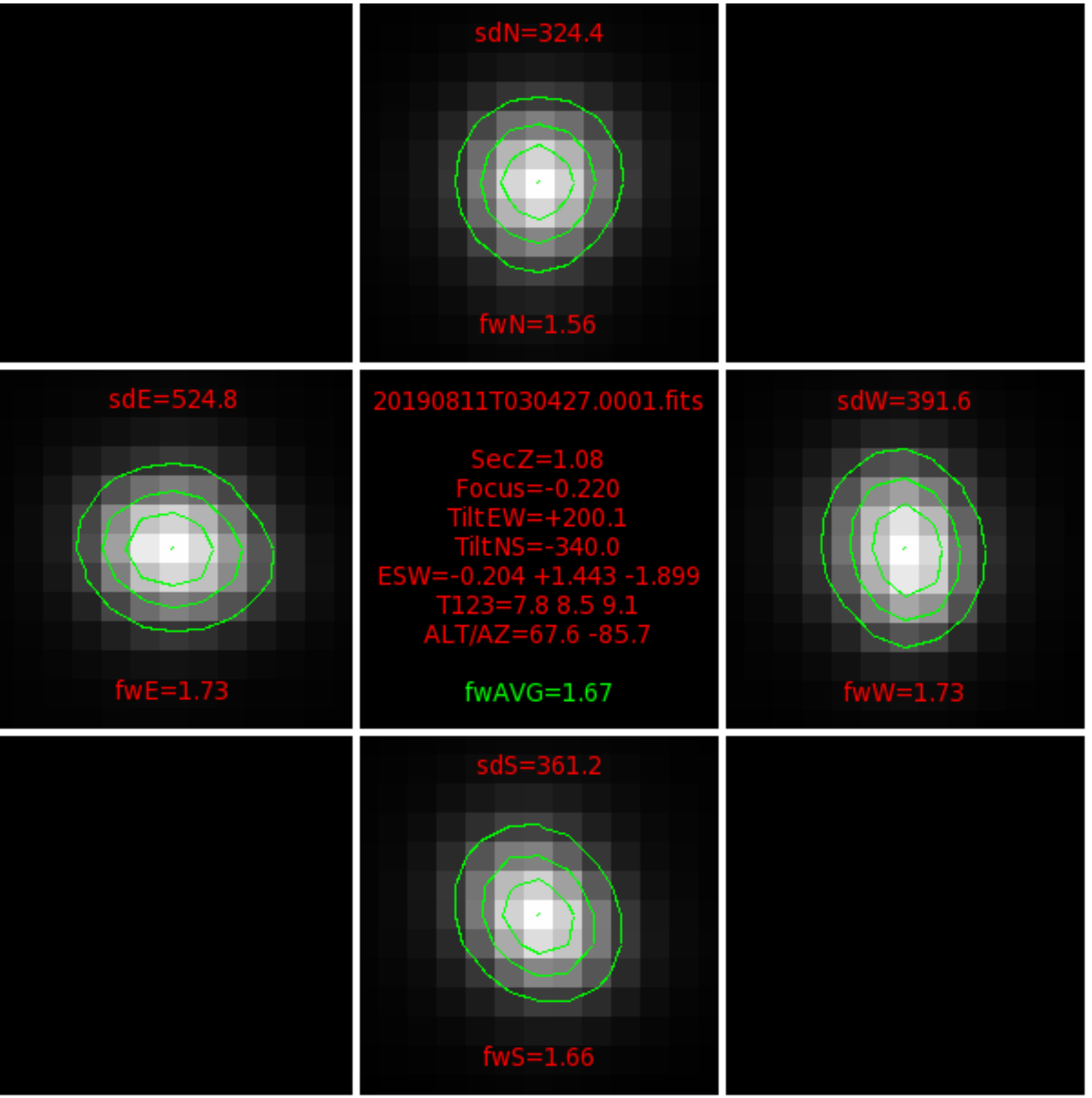
sdN=324.4
fwN=1.56
sdE=524.8
fwE=1.73
20190811T030427.0001.fits
SecZ=1.08
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.8 8.5 9.1
ALT/AZ=67.6 -85.7
fwAVG=1.67
sdW=391.6
fwW=1.73
sdS=361.2
fwS=1.66
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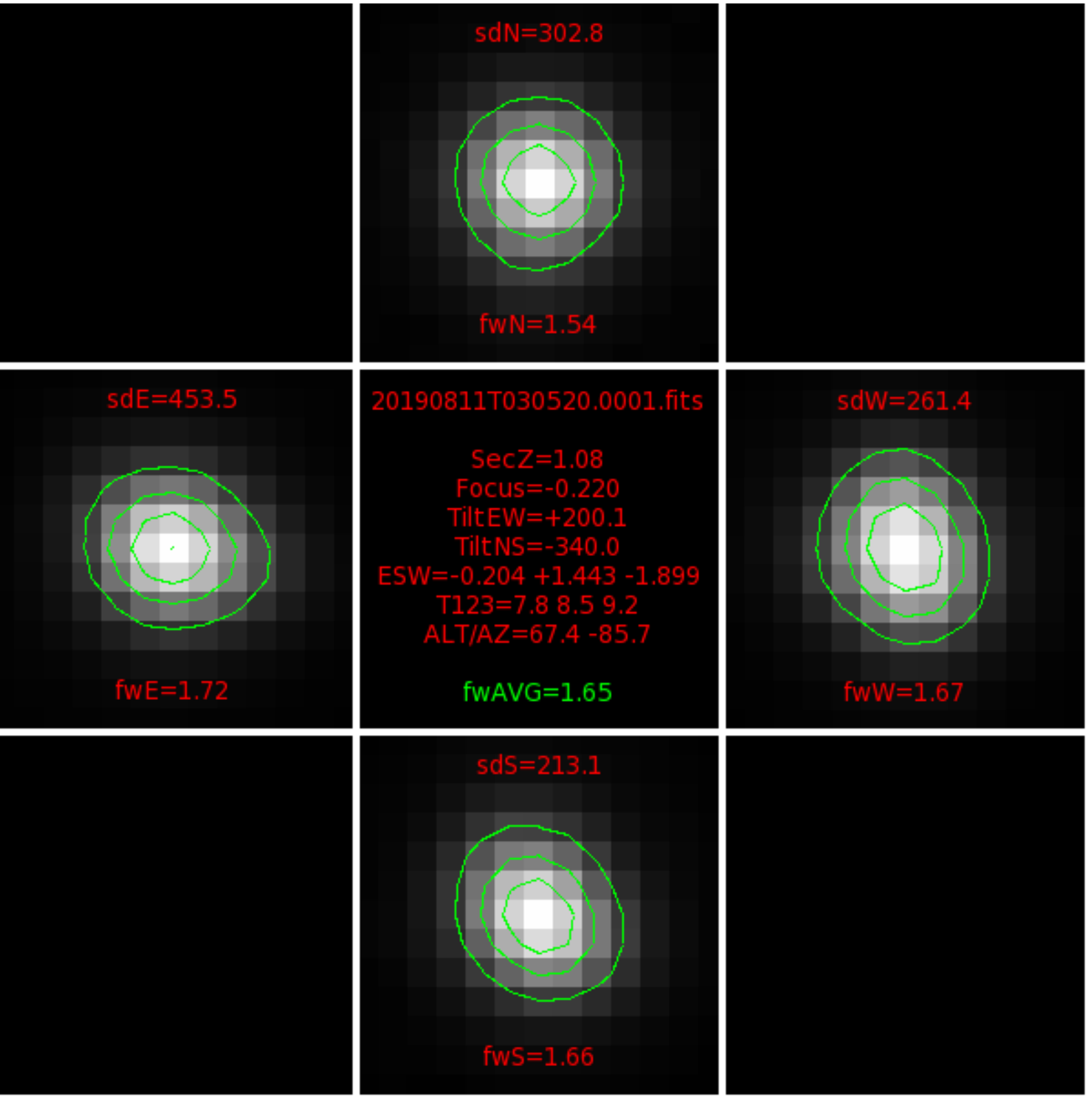
sdN=302.8
fwN=1.54
sdE=453.5
fwE=1.72
20190811T030520.0001.fits
SecZ=1.08
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.8 8.5 9.2
ALT/AZ=67.4 -85.7
fwAVG=1.65
sdW=261.4
fwW=1.67
sdS=213.1
fwS=1.66
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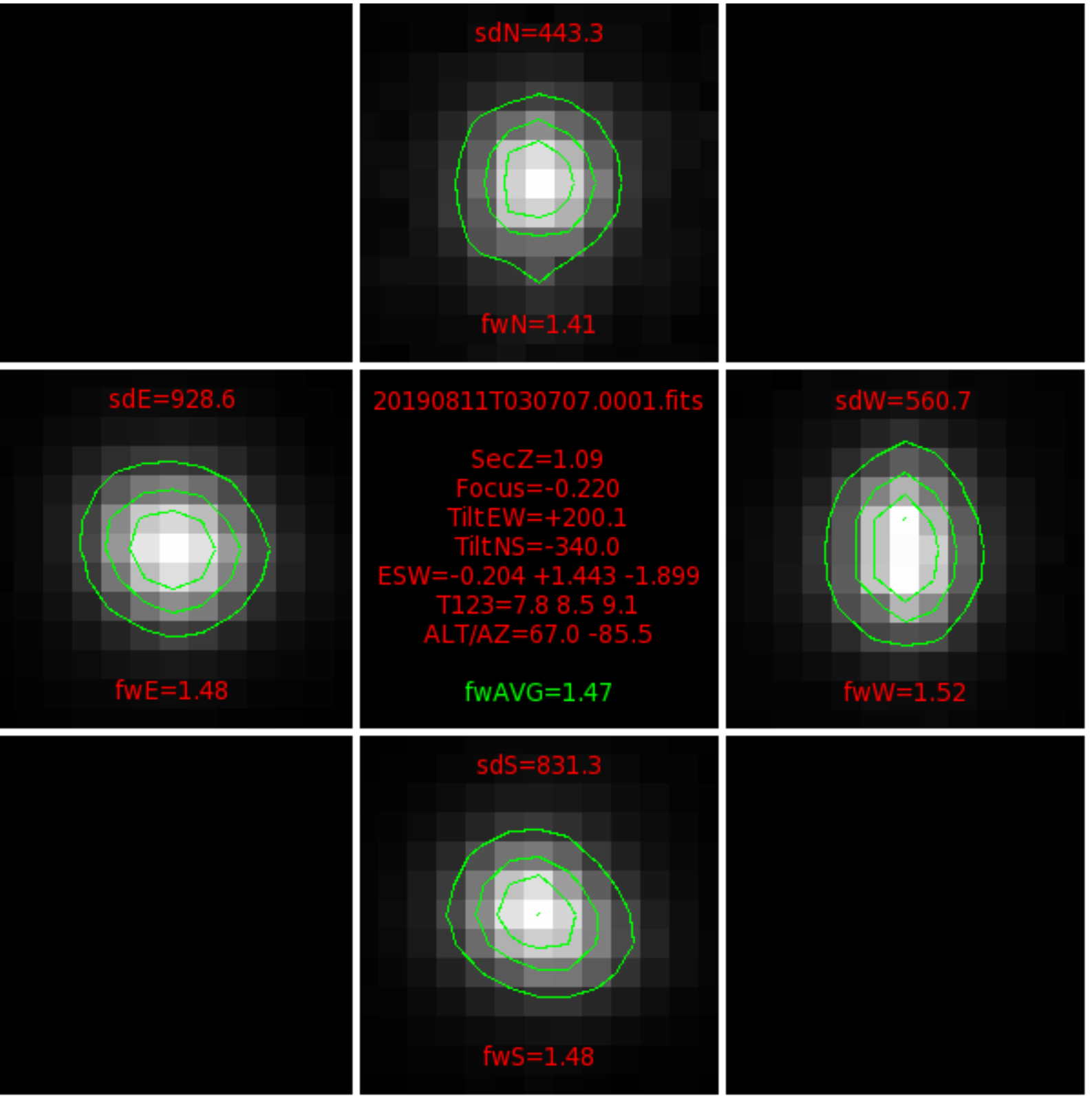
sdN=443.3
fwN=1.41
sdE=928.6
fwE=1.48
20190811T030707.0001.fits
SecZ=1.09
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.8 8.5 9.1
ALT/AZ=67.0 -85.5
fwAVG=1.47
sdW=560.7
fwW=1.52
sdS=831.3
fwS=1.48
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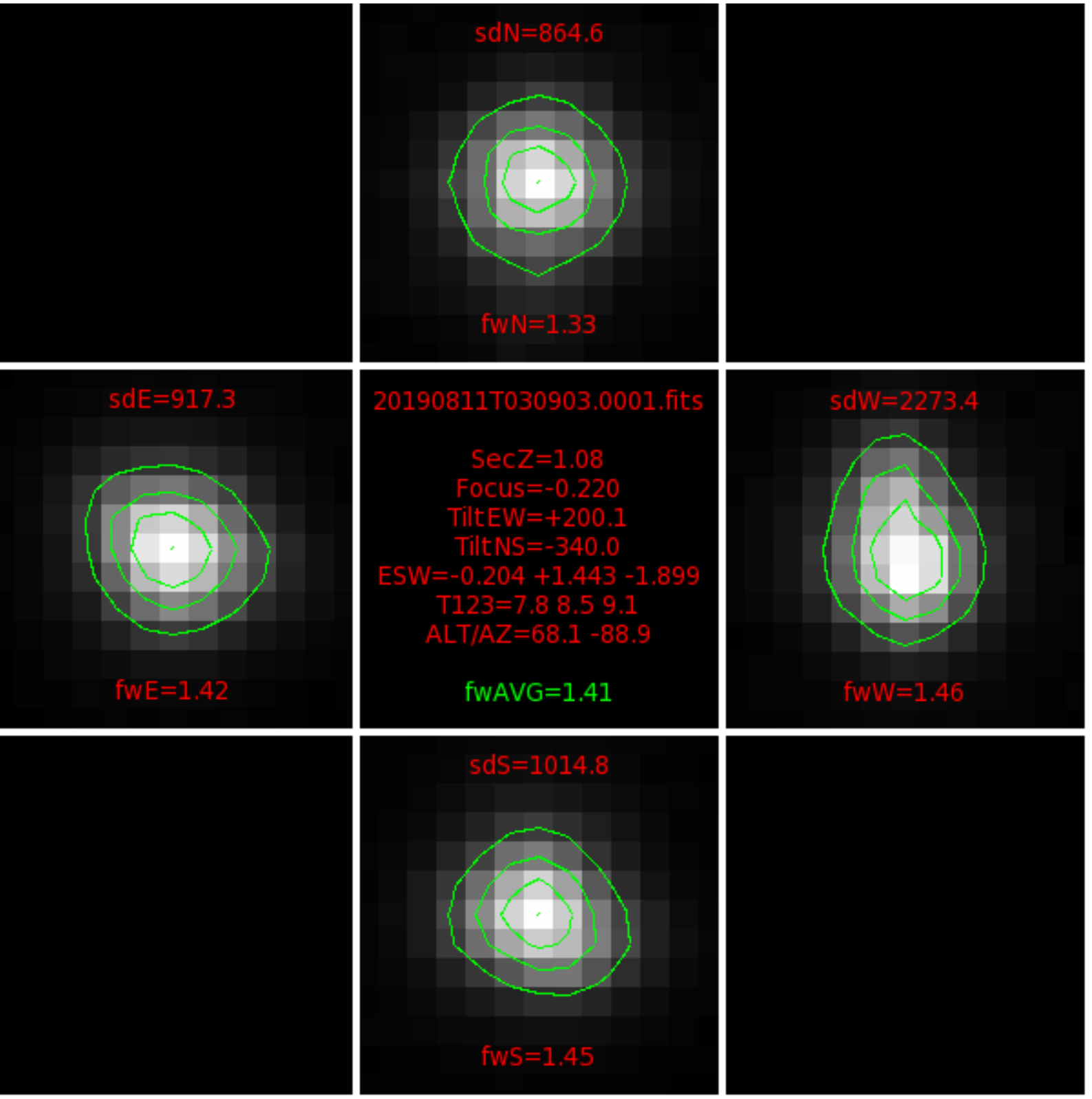
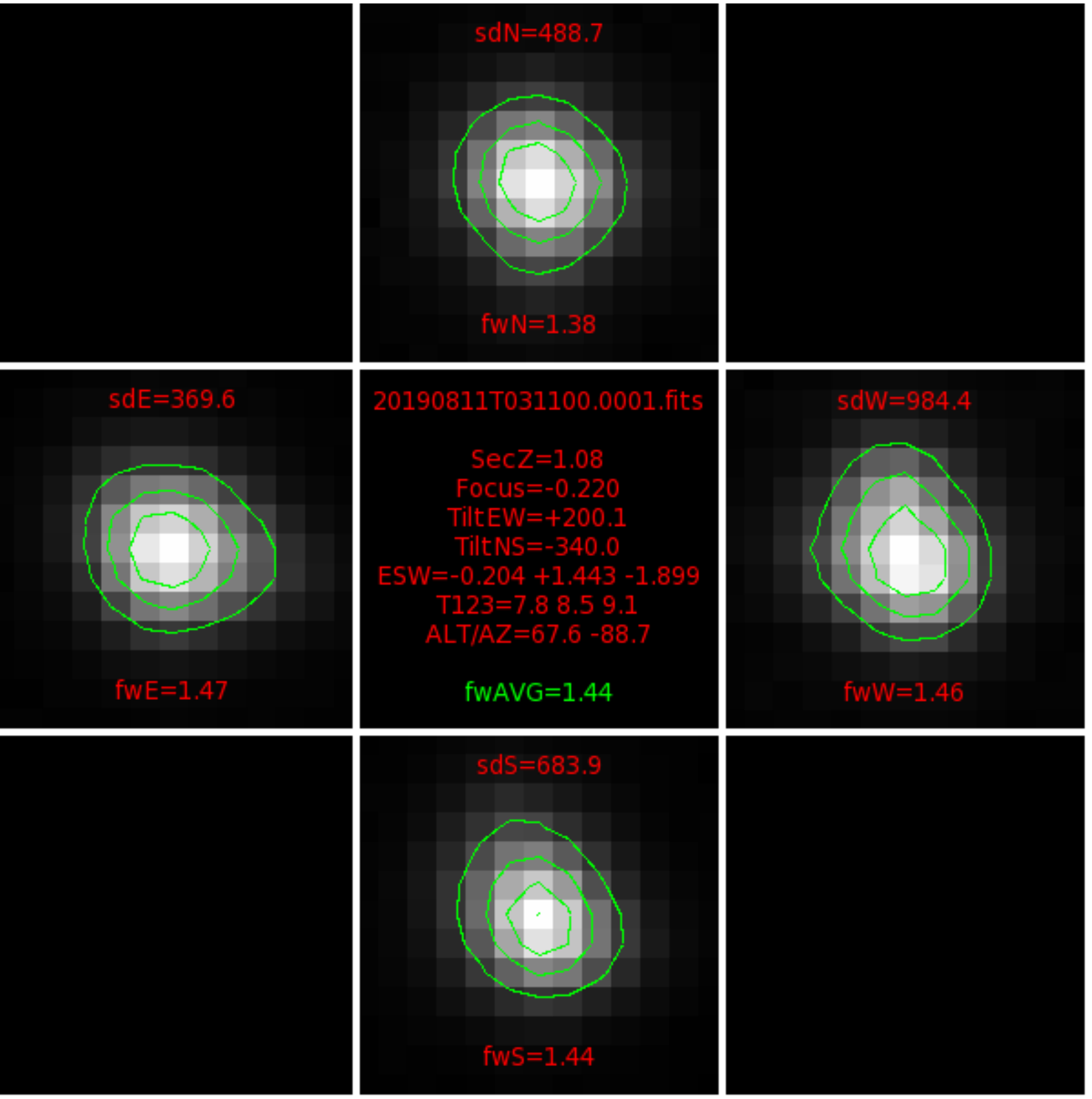

sdN=864.6
fwN=1.33
sdE=917.3
fwE=1.42
20190811T030903.0001.fits
SecZ=1.08
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.8 8.5 9.1
ALT/AZ=68.1 -88.9
fwAVG=1.41
sdW=2273.4
fwW=1.46
sdS=1014.8
fwS=1.45
0 0 0 0 0 0 0 0 0


sdN=488.7
fwN=1.38
sdE=369.6
fwE=1.47
20190811T031100.0001.fits
SecZ=1.08
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.8 8.5 9.1
ALT/AZ=67.6 -88.7
fwAVG=1.44
sdW=984.4
fwW=1.46
sdS=683.9
fwS=1.44
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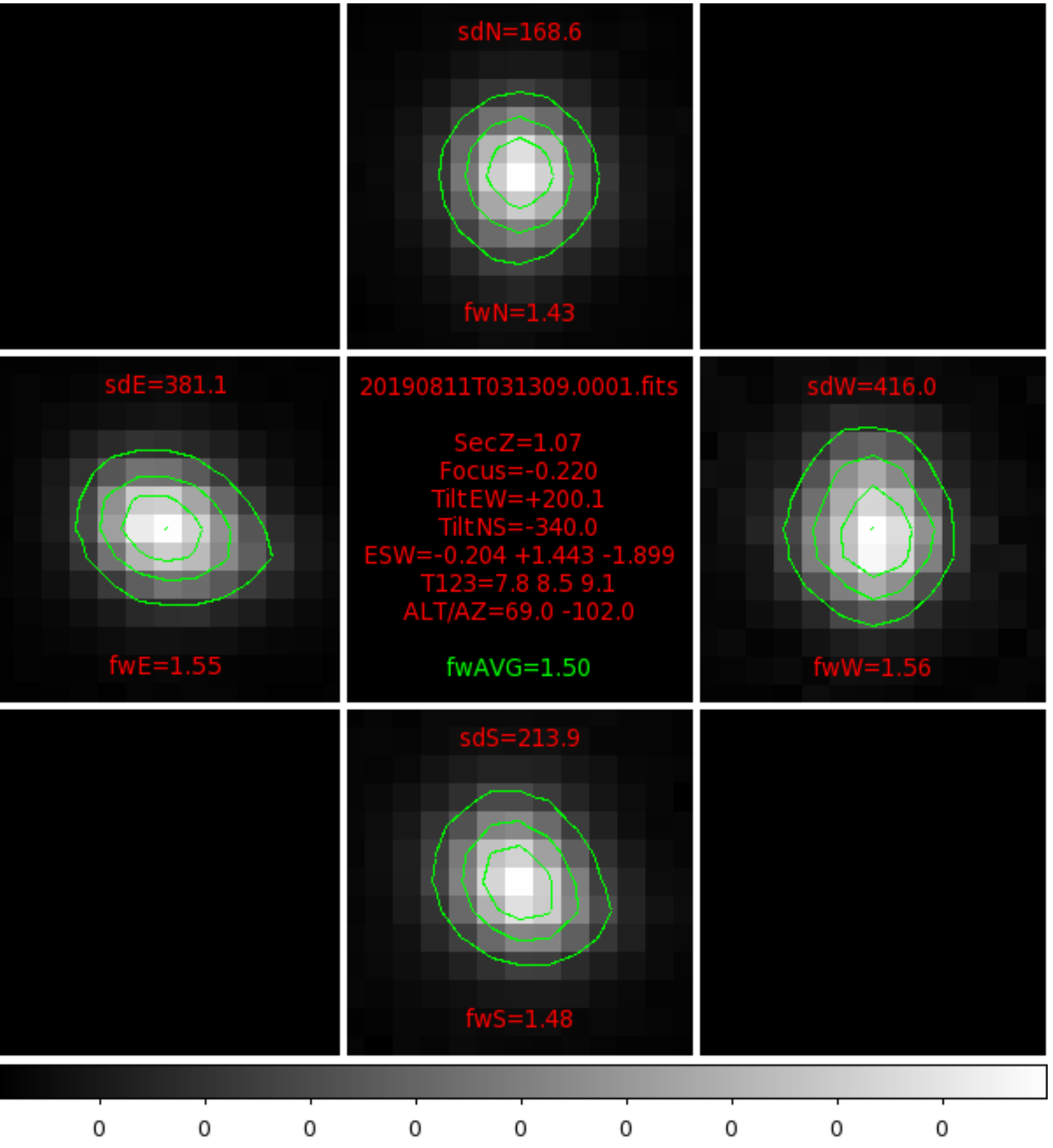
sdN=168.6
fwN=1.43
sdE=381.1
fwE=1.55
20190811T031309.0001.fits
SecZ=1.07
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.8 8.5 9.1
ALT/AZ=69.0 -102.0
fwAVG=1.50
sdW=416.0
fwW=1.56
sdS=213.9
fwS=1.48
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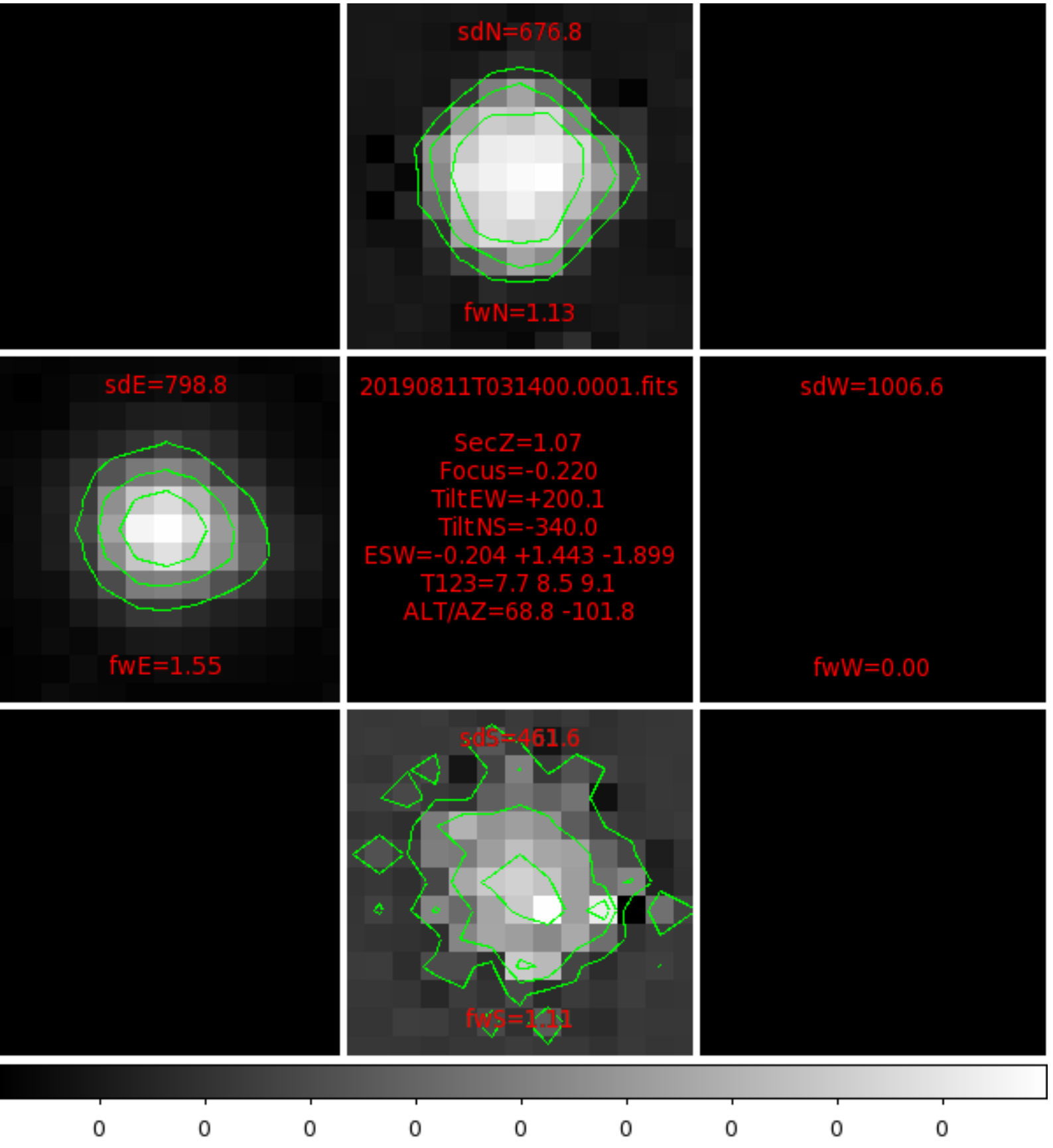
sdN=676.8
fwN=1.13
sdE=798.8
fwE=1.55
20190811T031400.0001.fits
SecZ=1.07
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.7 8.5 9.1
ALT/AZ=68.8 -101.8
sdW=1006.6
fwW=0.00
sdS=461.6
fwS=1.11
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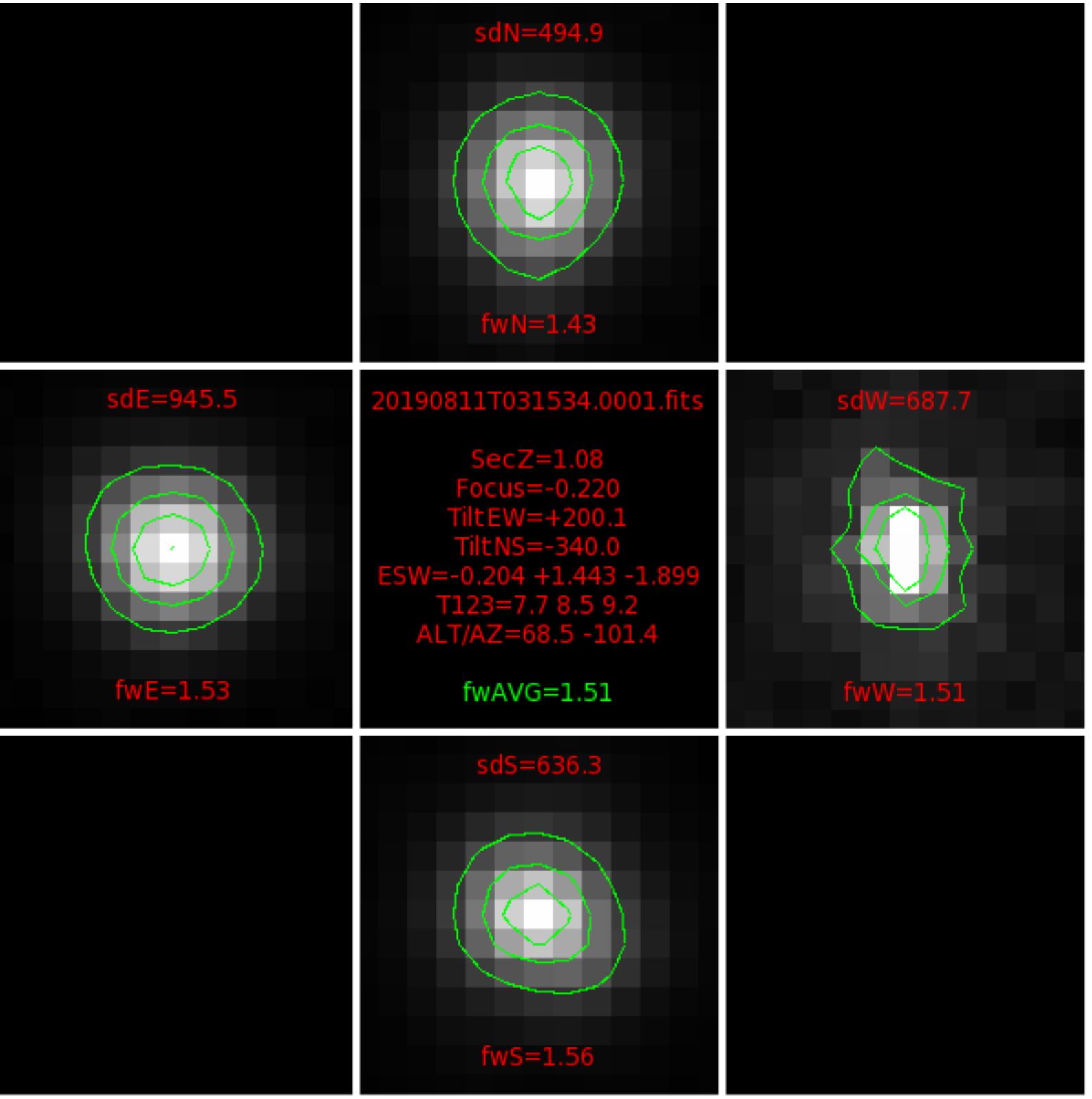
sdN=494.9
fwN=1.43
sdE=945.5
fwE=1.53
20190811T031534.0001.fits
SecZ=1.08
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.7 8.5 9.2
ALT/AZ=68.5 -101.4
fwAVG=1.51
sdW=687.7
fwW=1.51
sdS=636.3
fwS=1.56
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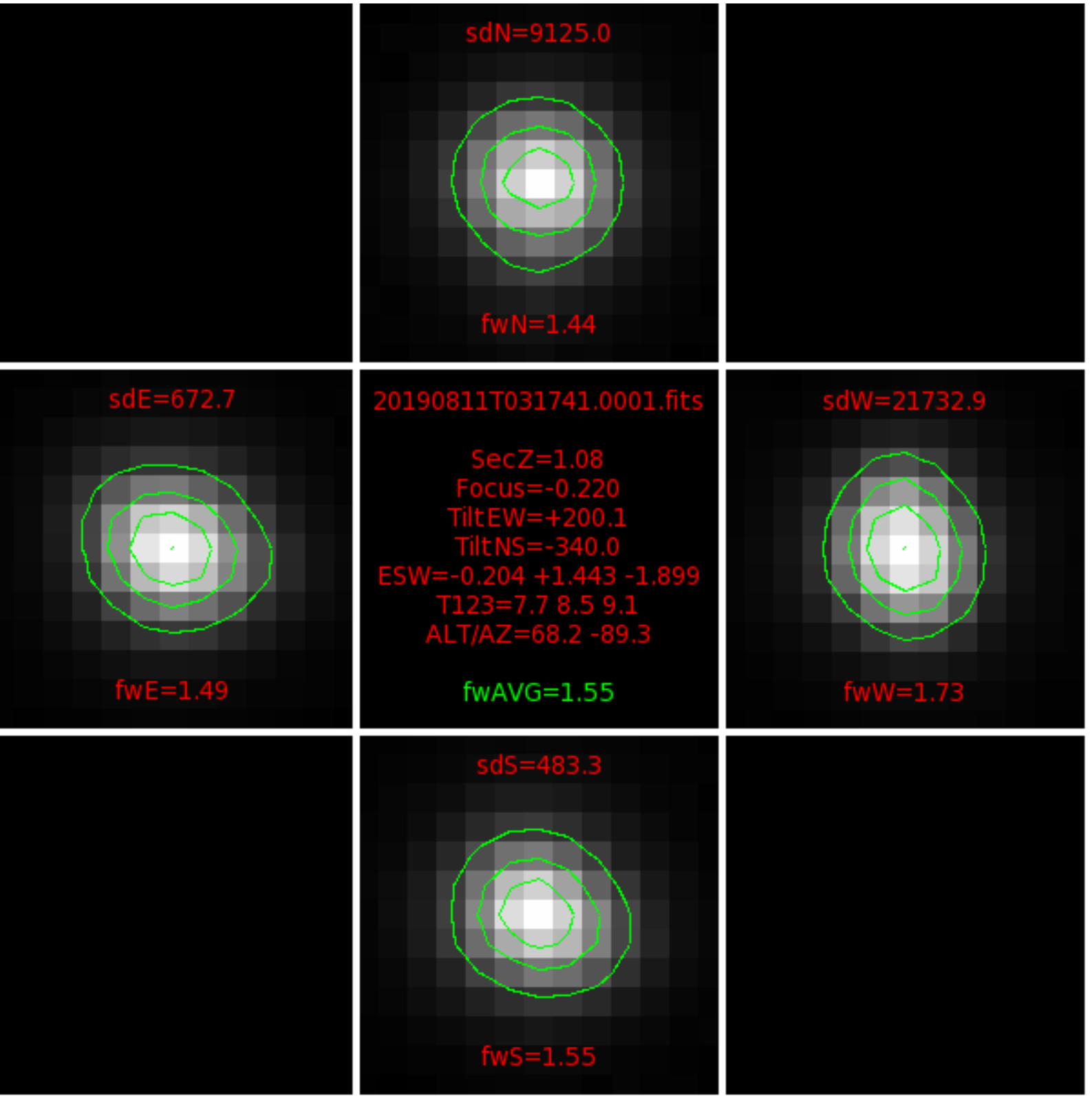
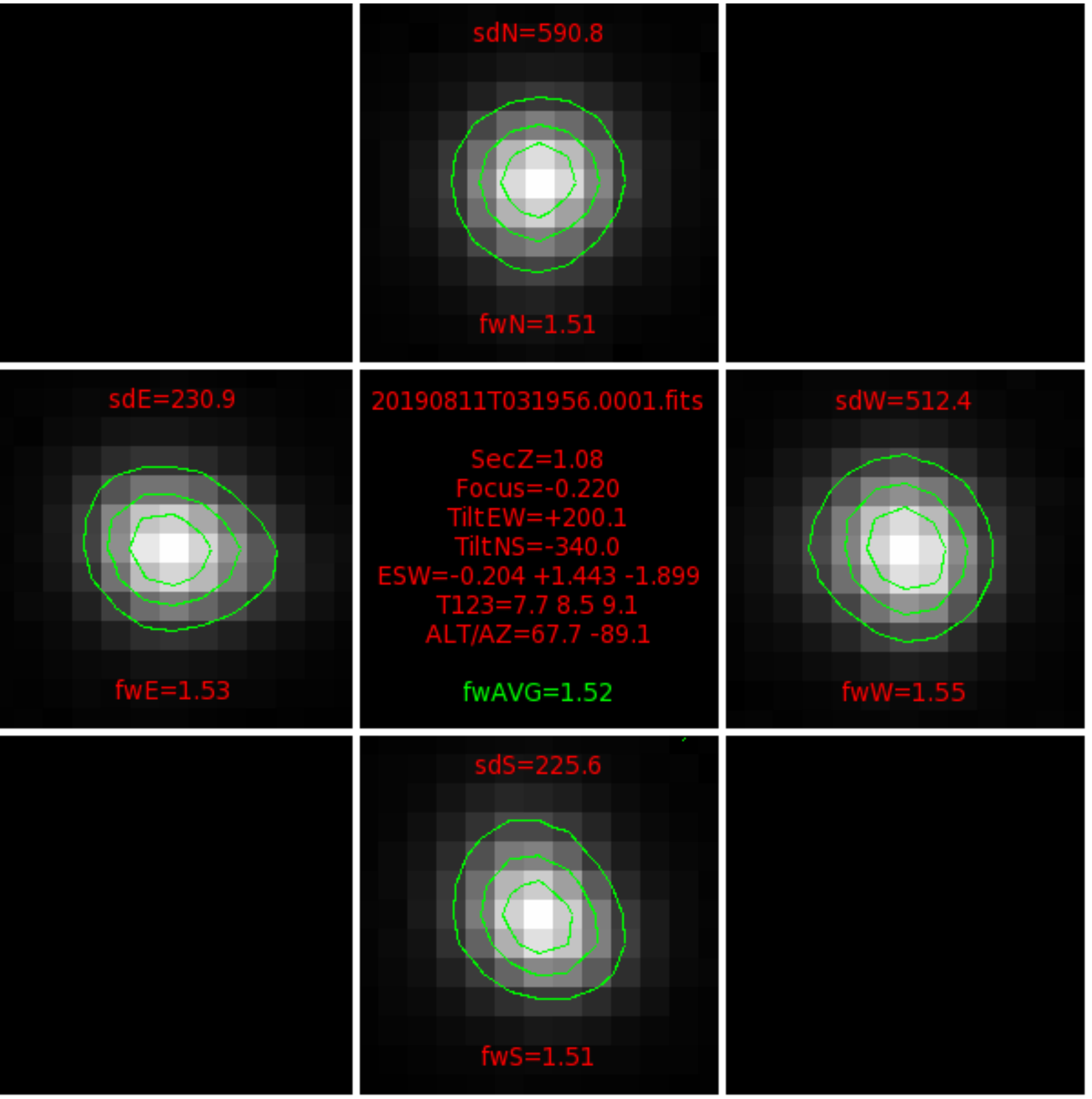

sdN=9125.0
fwN=1.44
sdE=672.7
fwE=1.49
20190811T031741.0001.fits
SecZ=1.08
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.7 8.5 9.1
ALT/AZ=68.2 -89.3
fwAVG=1.55
sdW=21732.9
fwW=1.73
sdS=483.3
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=590.8
fwN=1.51
sdE=230.9
fwE=1.53
20190811T031956.0001.fits
SecZ=1.08
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.7 8.5 9.1
ALT/AZ=67.7 -89.1
fwAVG=1.52
sdW=512.4
fwW=1.55
sdS=225.6
fwS=1.51
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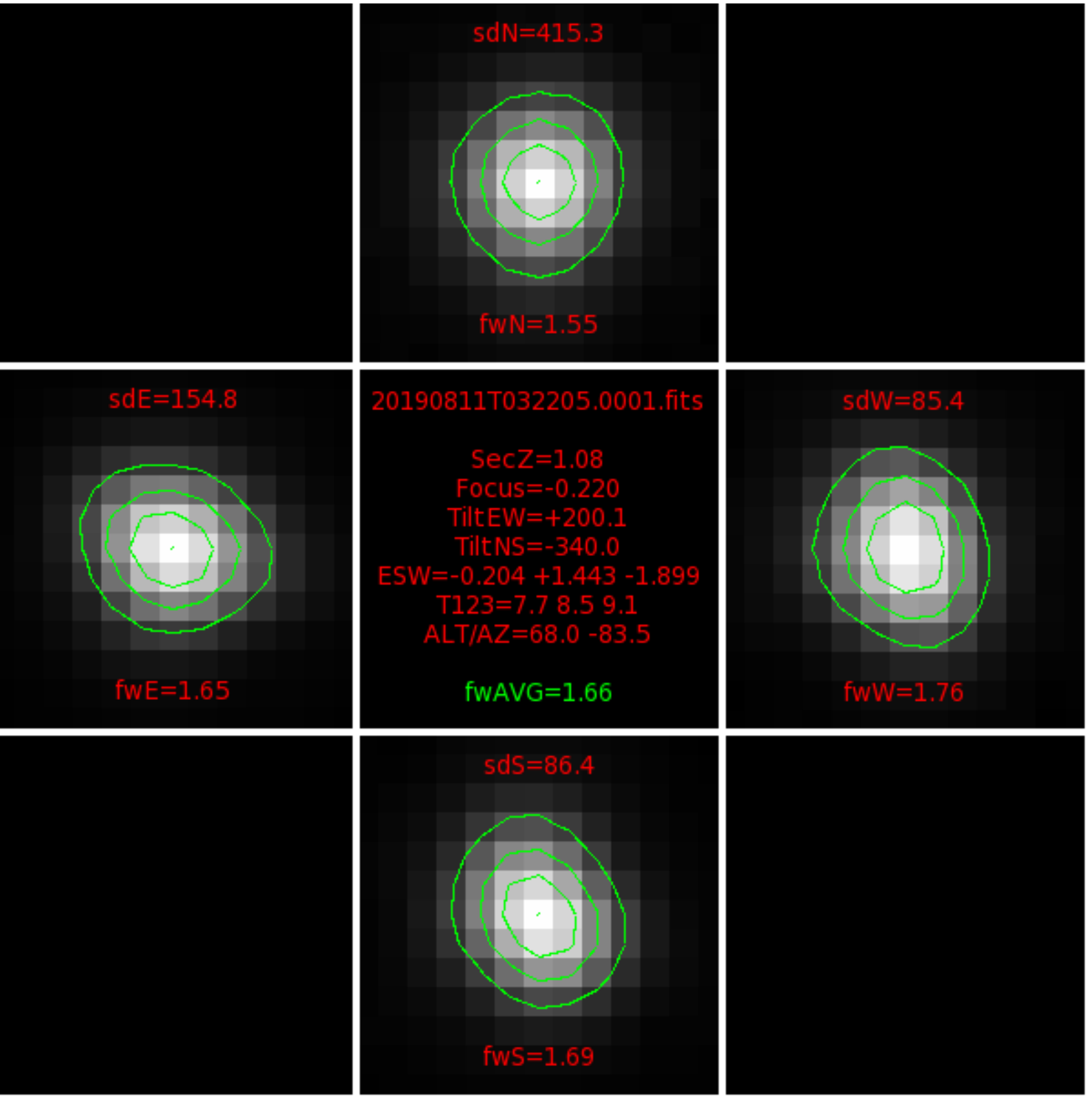
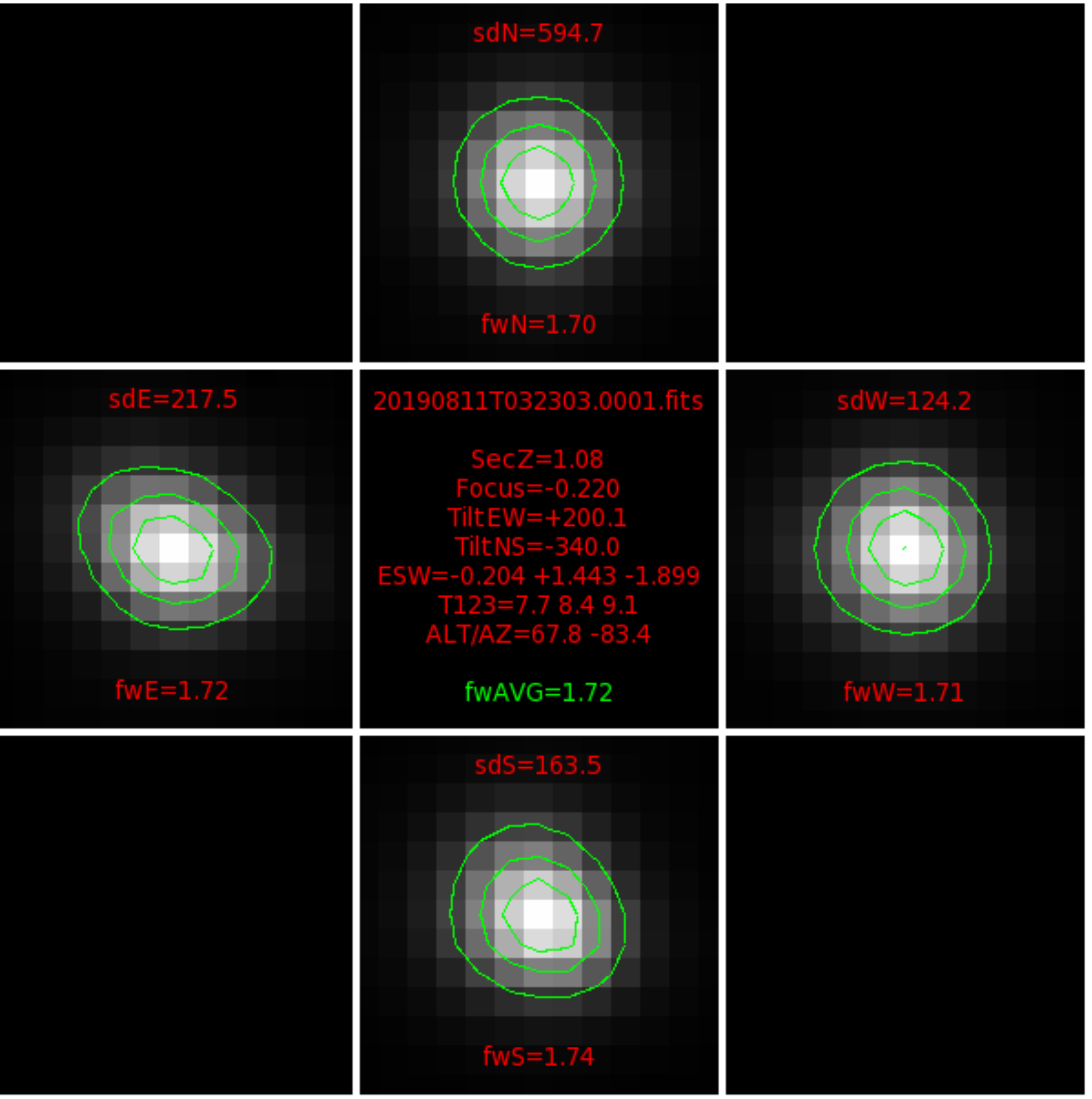

sdN=415.3
fwN=1.55
sdE=154.8
fwE=1.65
20190811T032205.0001.fits
SecZ=1.08
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.7 8.5 9.1
ALT/AZ=68.0 -83.5
fwAVG=1.66
sdW=85.4
fwW=1.76
sdS=86.4
fwS=1.69
0 0 0 0 0 0 0 0 0


sdN=594.7
fwN=1.70
sdE=217.5
fwE=1.72
20190811T032303.0001.fits
SecZ=1.08
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.7 8.4 9.1
ALT/AZ=67.8 -83.4
fwAVG=1.72
sdW=124.2
fwW=1.71
sdS=163.5
fwS=1.74
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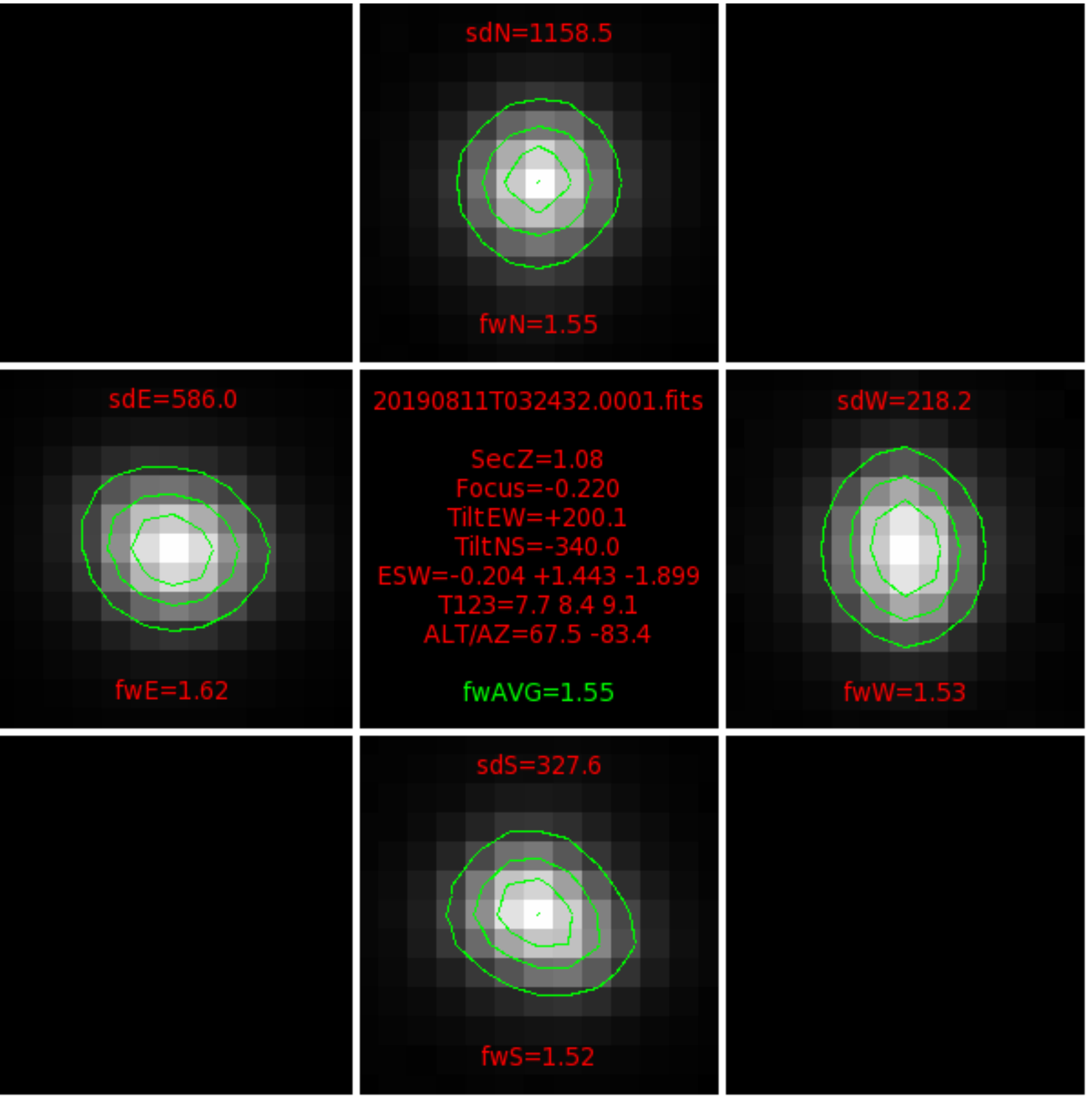
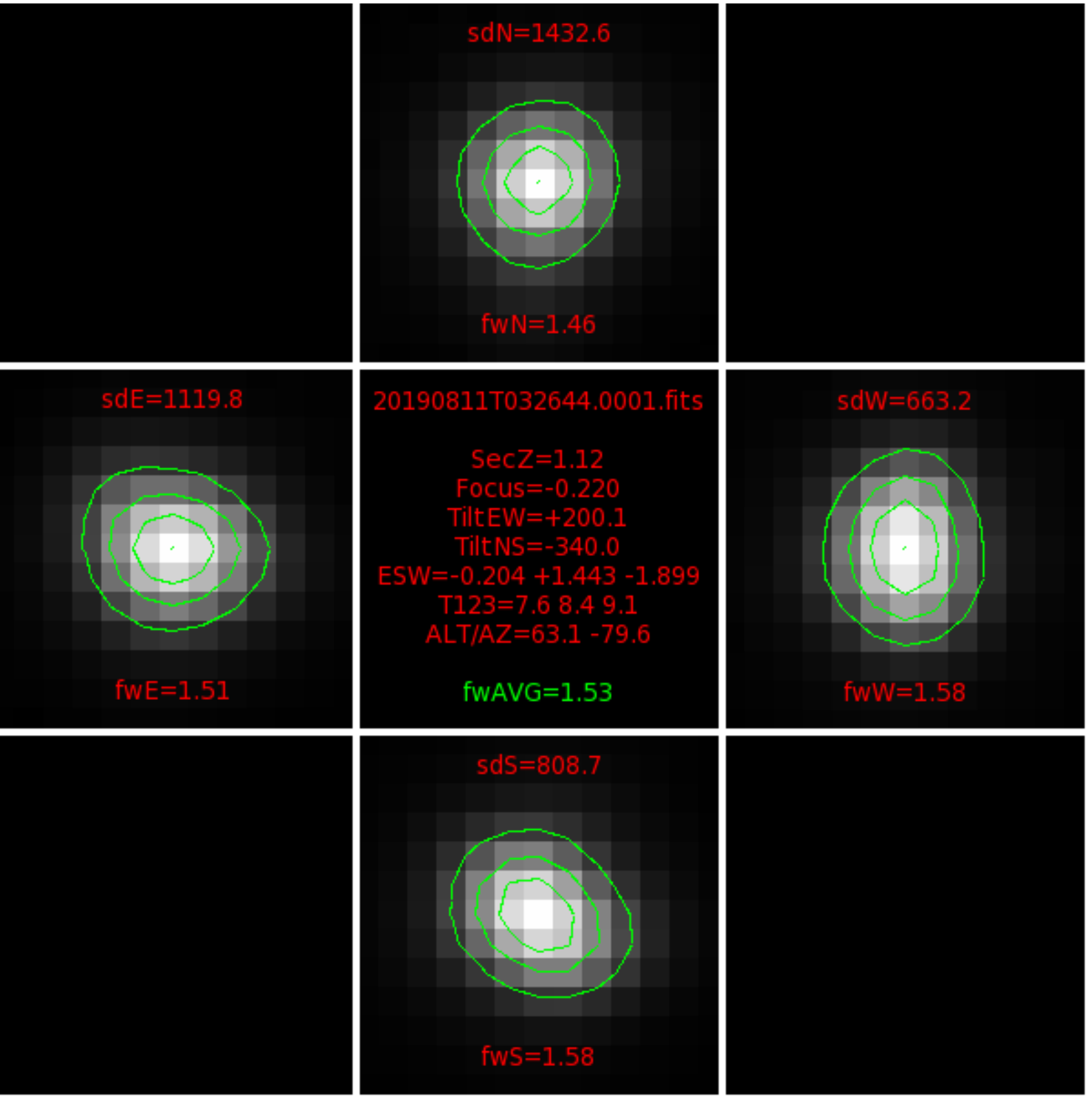

sdN=1158.5
fwN=1.55
sdE=586.0
fwE=1.62
20190811T032432.0001.fits
SecZ=1.08
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.7 8.4 9.1
ALT/AZ=67.5 -83.4
fwAVG=1.55
sdW=218.2
fwW=1.53
sdS=327.6
fwS=1.52
0 0 0 0 0 0 0 0 0


sdN=1432.6
fwN=1.46
sdE=1119.8
fwE=1.51
20190811T032644.0001.fits
SecZ=1.12
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.6 8.4 9.1
ALT/AZ=63.1 -79.6
fwAVG=1.53
sdW=663.2
fwW=1.58
sdS=808.7
fwS=1.58
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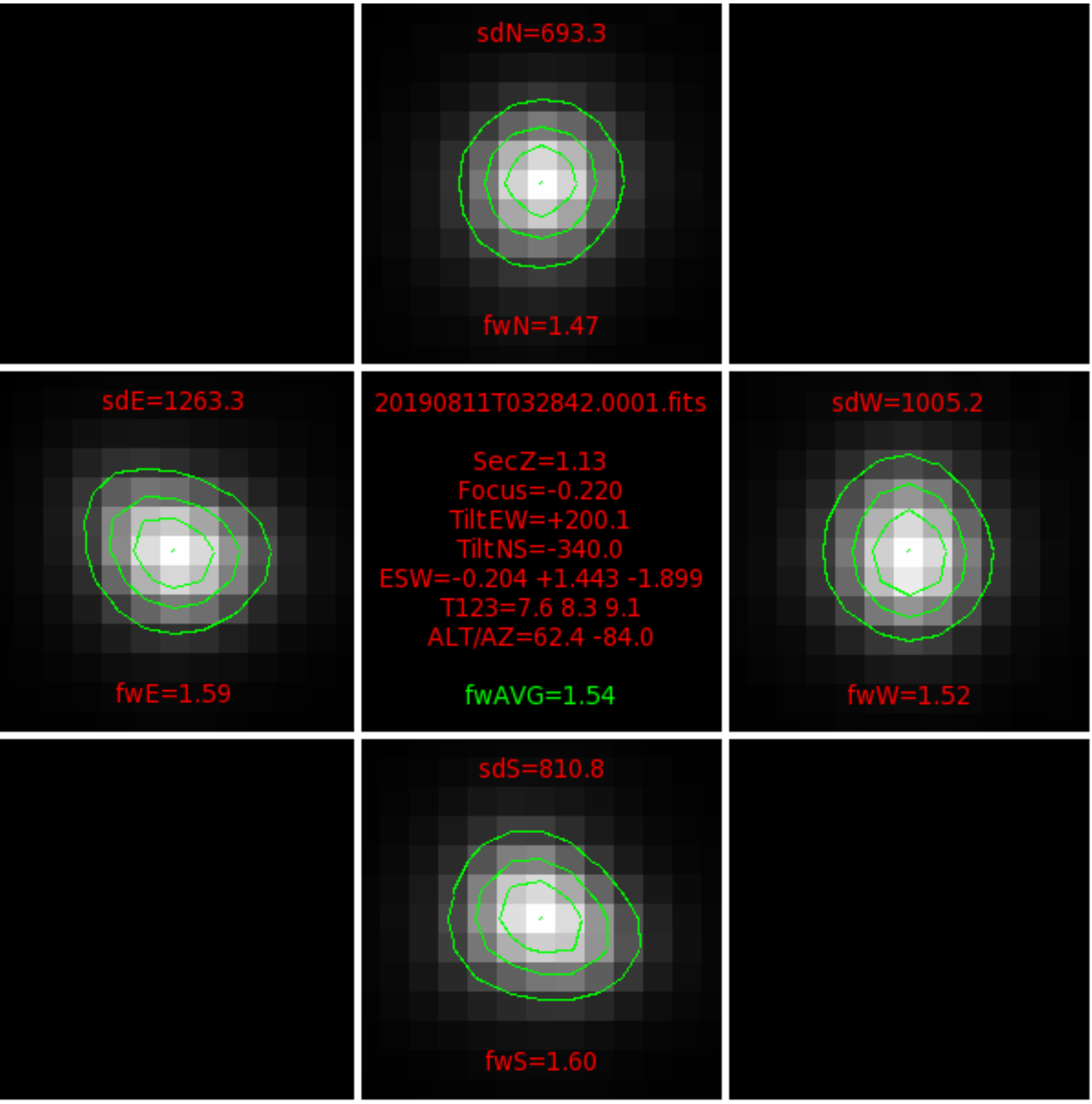
sdN=693.3
fwN=1.47
sdE=1263.3
fwE=1.59
20190811T032842.0001.fits
SecZ=1.13
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.6 8.3 9.1
ALT/AZ=62.4 -84.0
fwAVG=1.54
sdW=1005.2
fwW=1.52
sdS=810.8
fwS=1.60
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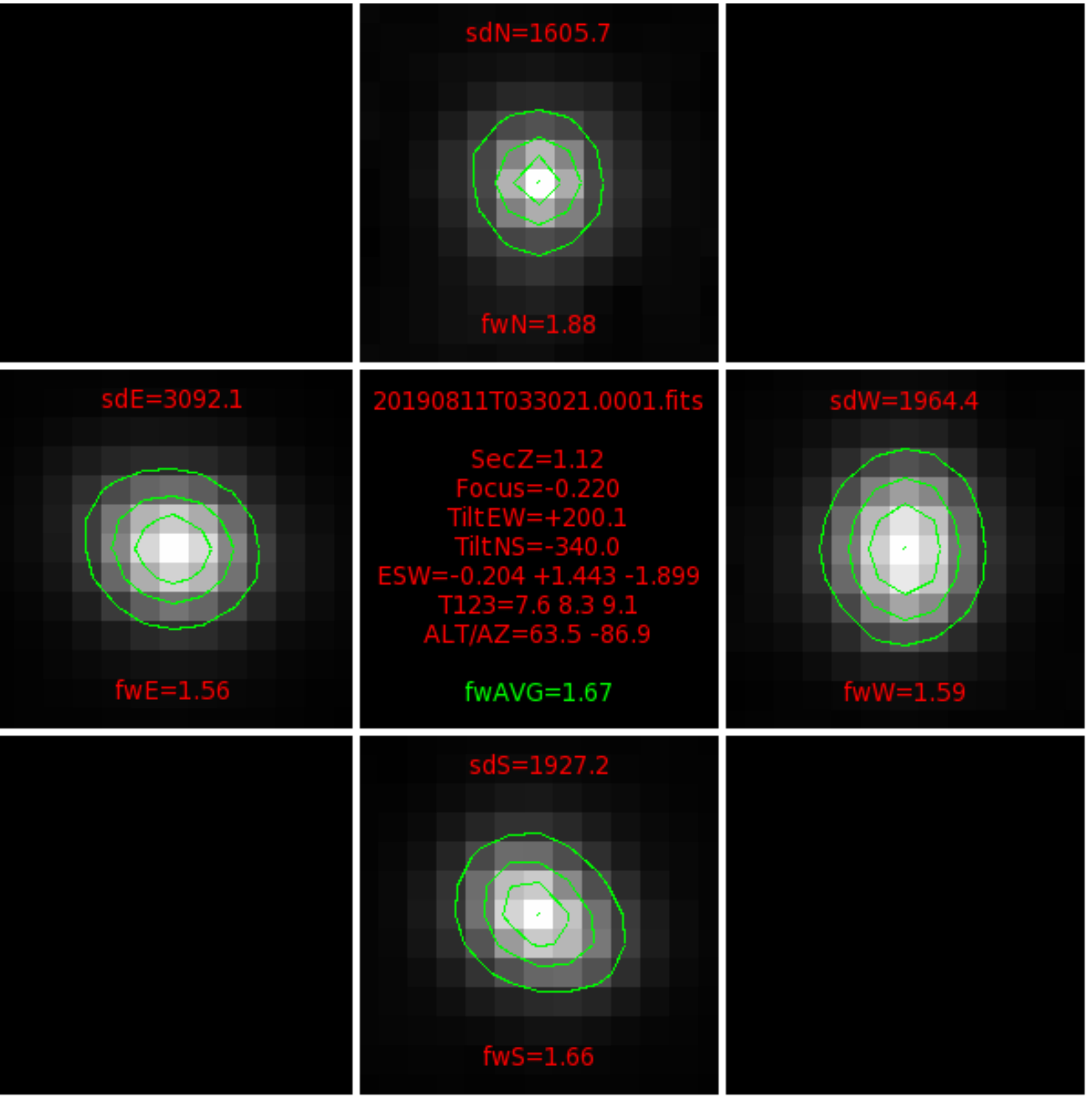
sdN=1605.7
fwN=1.88
sdE=3092.1
fwE=1.56
20190811T033021.0001.fits
SecZ=1.12
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.6 8.3 9.1
ALT/AZ=63.5 -86.9
fwAVG=1.67
sdW=1964.4
fwW=1.59
sdS=1927.2
fwS=1.66
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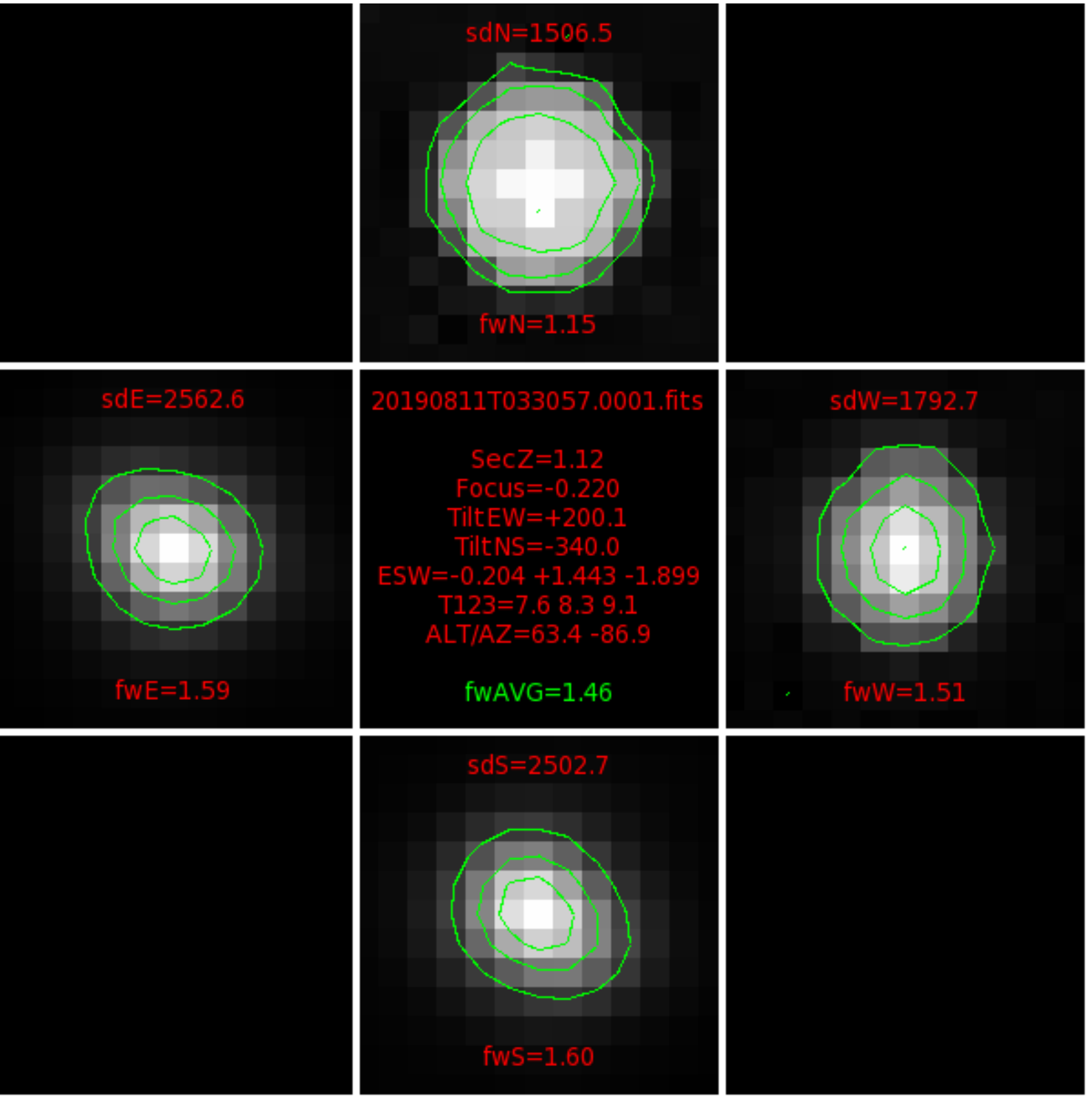
sdN=1506.5
fwN=1.15
sdE=2562.6
fwE=1.59
20190811T033057.0001.fits
SecZ=1.12
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.6 8.3 9.1
ALT/AZ=63.4 -86.9
fwAVG=1.46
sdW=1792.7
fwW=1.51
sdS=2502.7
fwS=1.60
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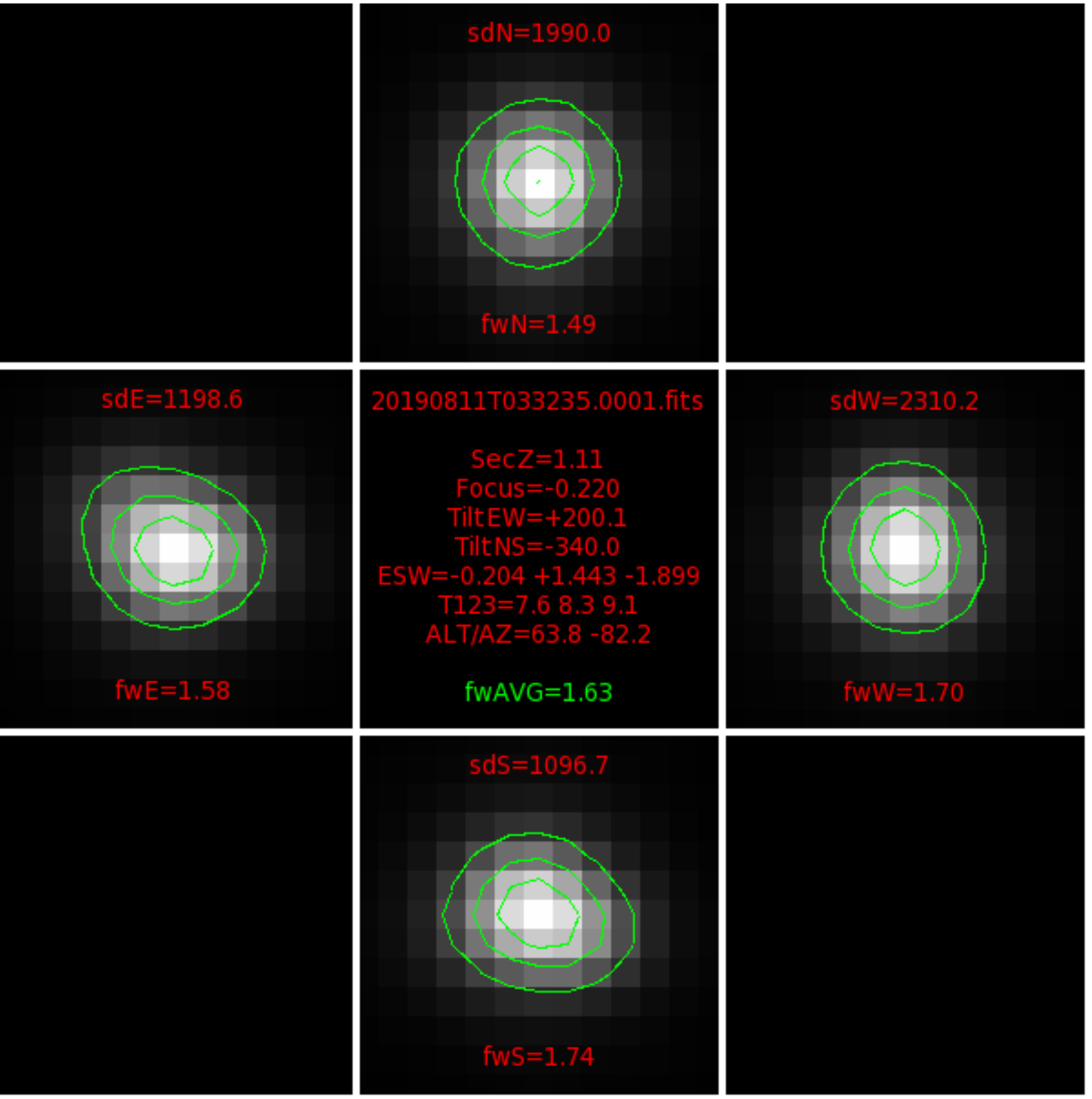
sdN=1990.0
fwN=1.49
sdE=1198.6
fwE=1.58
20190811T033235.0001.fits
SecZ=1.11
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.6 8.3 9.1
ALT/AZ=63.8 -82.2
fwAVG=1.63
sdW=2310.2
fwW=1.70
sdS=1096.7
fwS=1.74
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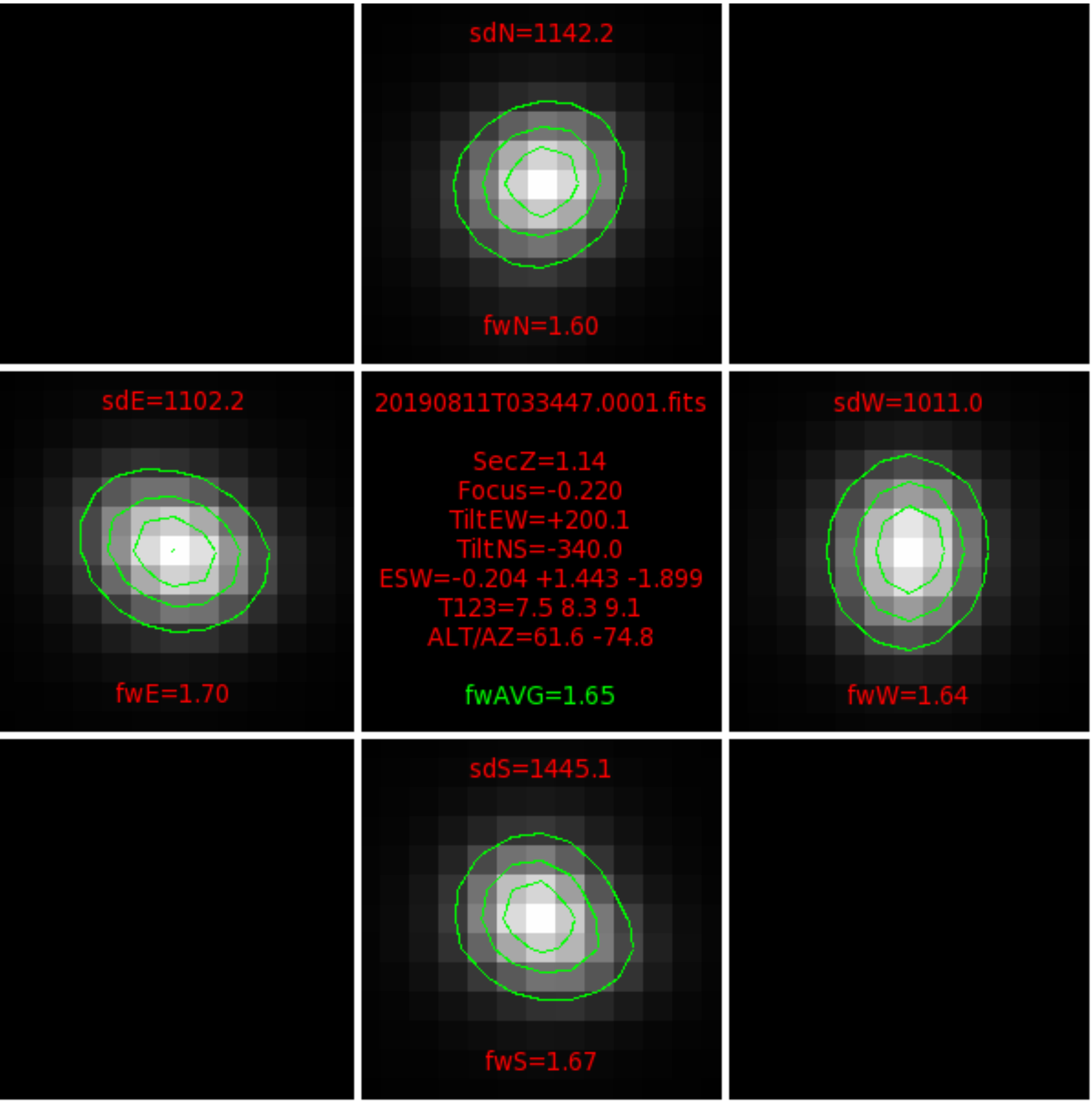
sdN=1142.2
fwN=1.60
sdE=1102.2
fwE=1.70
20190811T033447.0001.fits
SecZ=1.14
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.5 8.3 9.1
ALT/AZ=61.6 -74.8
fwAVG=1.65
sdW=1011.0
fwW=1.64
sdS=1445.1
fwS=1.67
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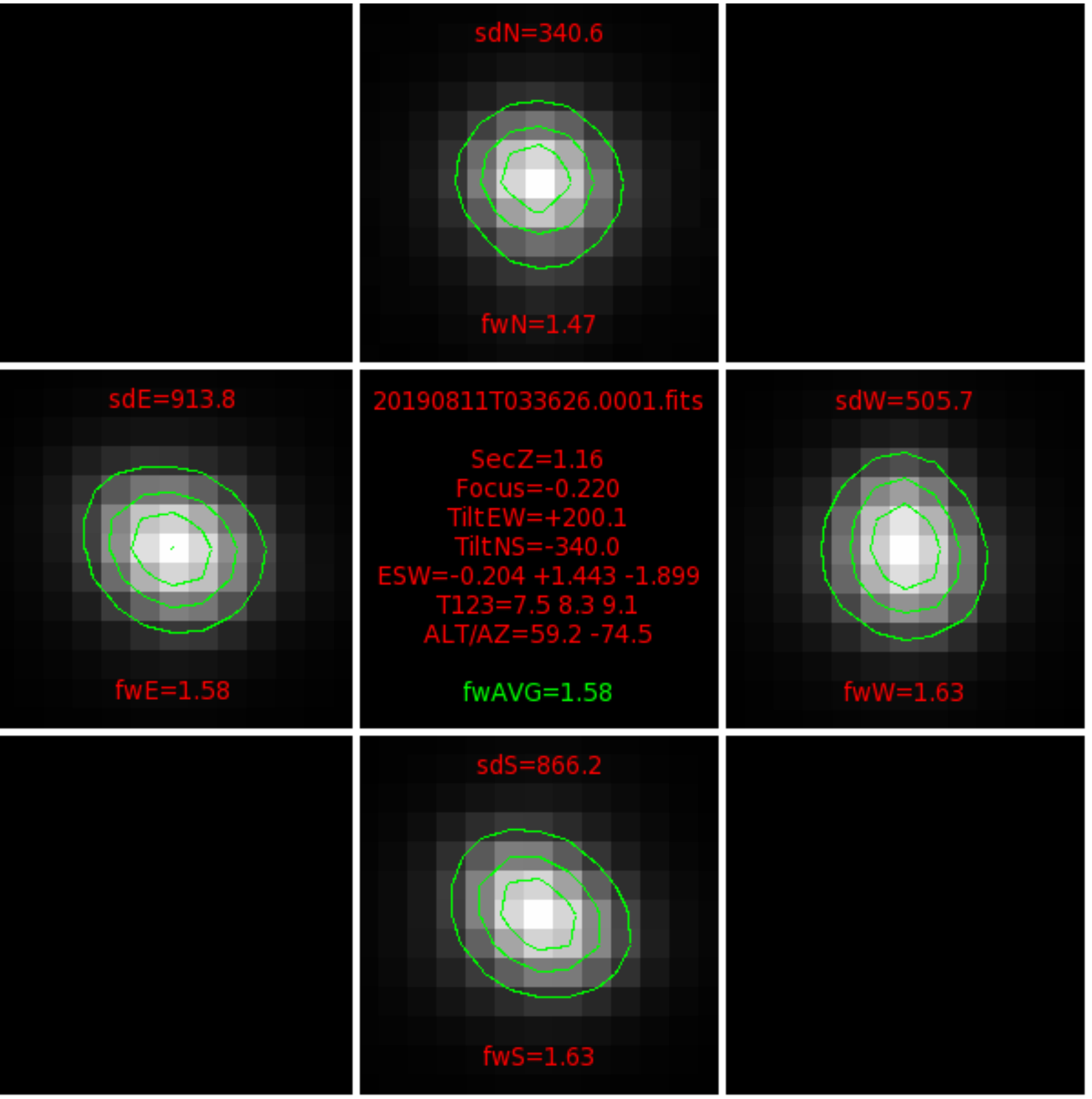
sdN=340.6
fwN=1.47
sdE=913.8
fwE=1.58
20190811T033626.0001.fits
SecZ=1.16
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.5 8.3 9.1
ALT/AZ=59.2 -74.5
fwAVG=1.58
sdW=505.7
fwW=1.63
sdS=866.2
fwS=1.63
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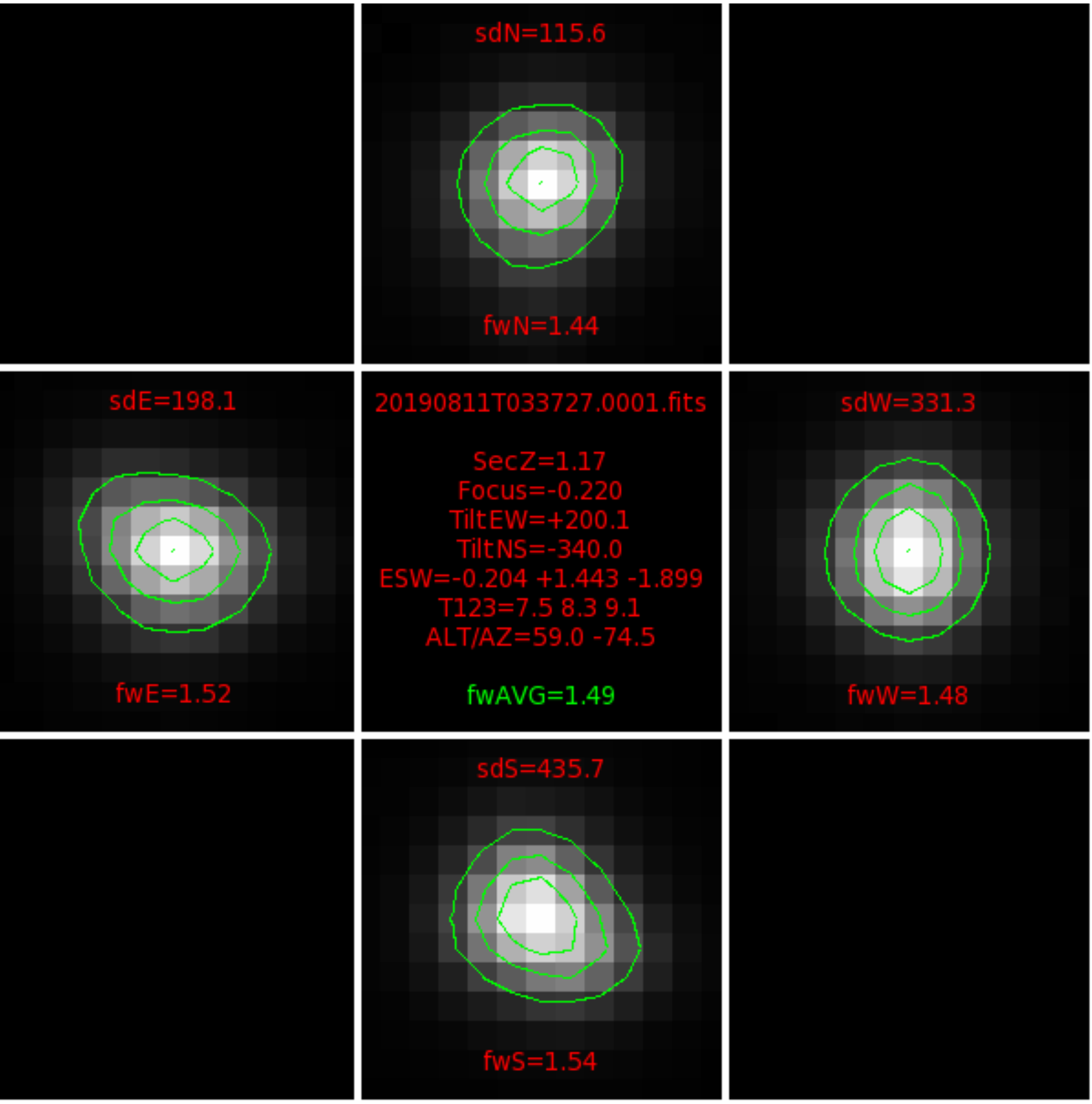
sdN=115.6
fwN=1.44
sdE=198.1
fwE=1.52
20190811T033727.0001.fits
SecZ=1.17
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.5 8.3 9.1
ALT/AZ=59.0 -74.5
fwAVG=1.49
sdW=331.3
fwW=1.48
sdS=435.7
fwS=1.54
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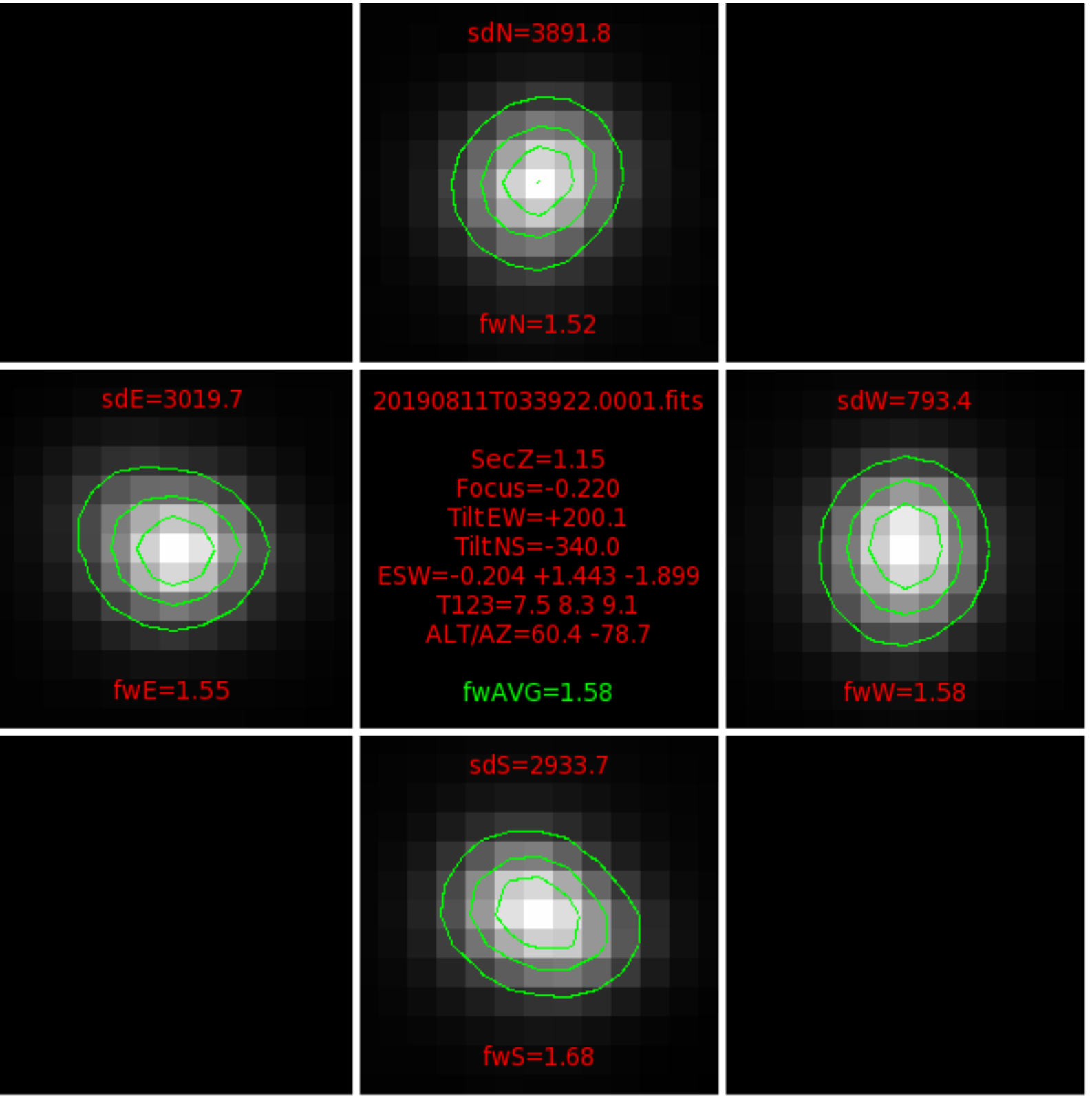
sdN=3891.8
fwN=1.52
sdE=3019.7
fwE=1.55
20190811T033922.0001.fits
SecZ=1.15
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.5 8.3 9.1
ALT/AZ=60.4 -78.7
fwAVG=1.58
sdW=793.4
fwW=1.58
sdS=2933.7
fwS=1.68
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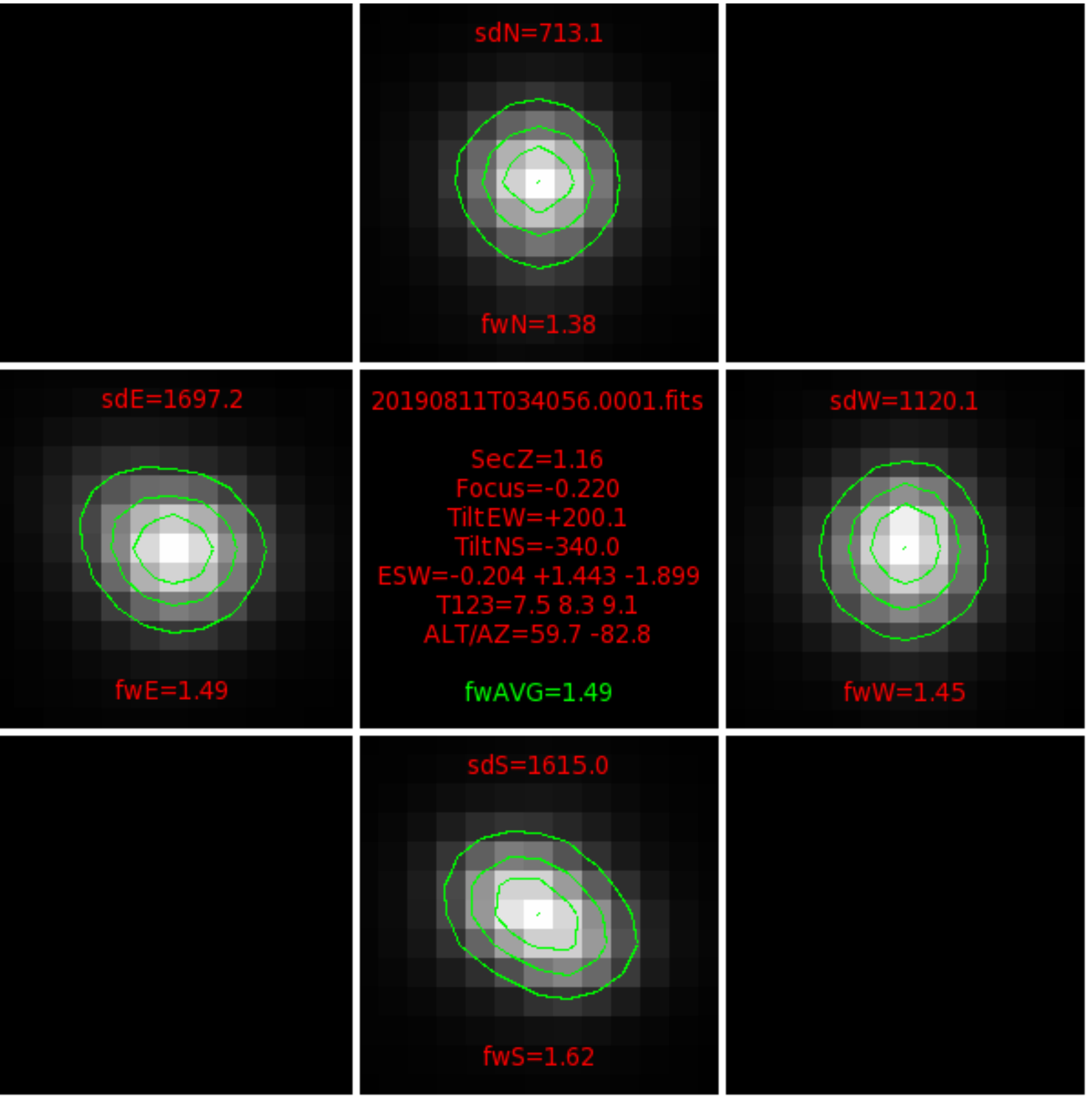
sdN=713.1
fwN=1.38
sdE=1697.2
fwE=1.49
20190811T034056.0001.fits
SecZ=1.16
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.5 8.3 9.1
ALT/AZ=59.7 -82.8
fwAVG=1.49
sdW=1120.1
fwW=1.45
sdS=1615.0
fwS=1.62
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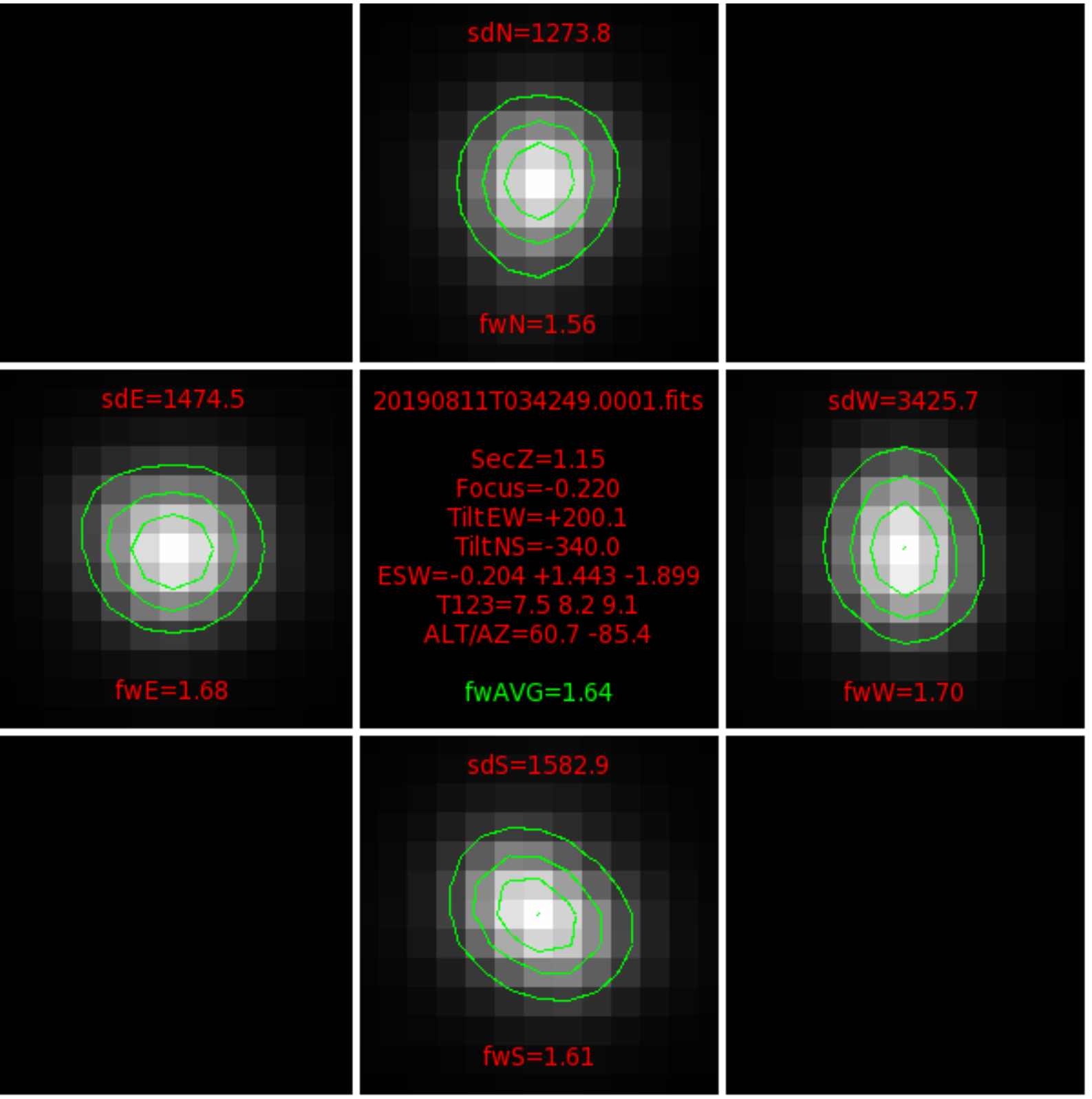
sdN=1273.8
fwN=1.56
sdE=1474.5
fwE=1.68
20190811T034249.0001.fits
SecZ=1.15
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.5 8.2 9.1
ALT/AZ=60.7 -85.4
fwAVG=1.64
sdW=3425.7
fwW=1.70
sdS=1582.9
fwS=1.61
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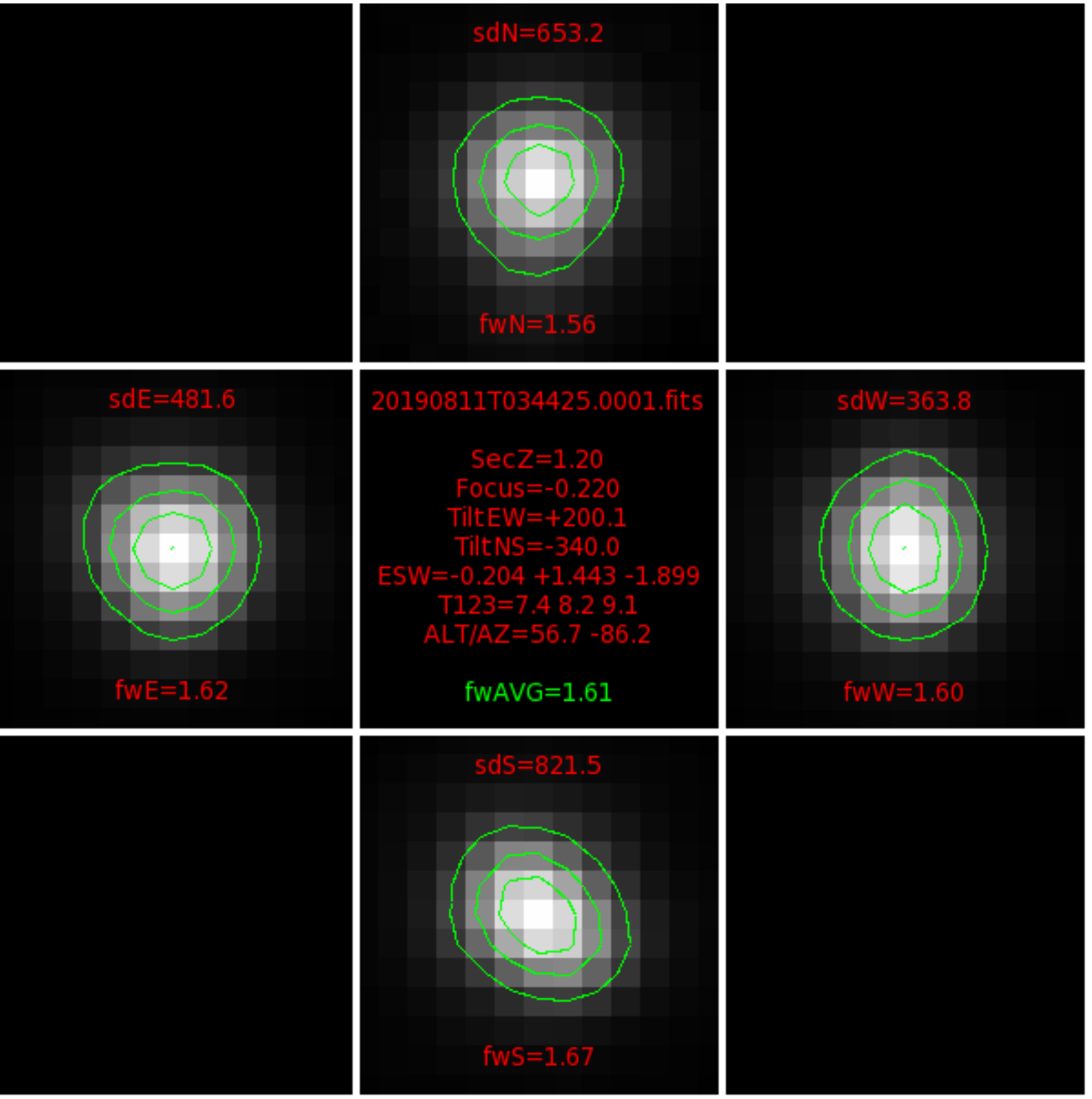
sdN=653.2
fwN=1.56
sdE=481.6
fwE=1.62
20190811T034425.0001.fits
SecZ=1.20
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.4 8.2 9.1
ALT/AZ=56.7 -86.2
fwAVG=1.61
sdW=363.8
fwW=1.60
sdS=821.5
fwS=1.67
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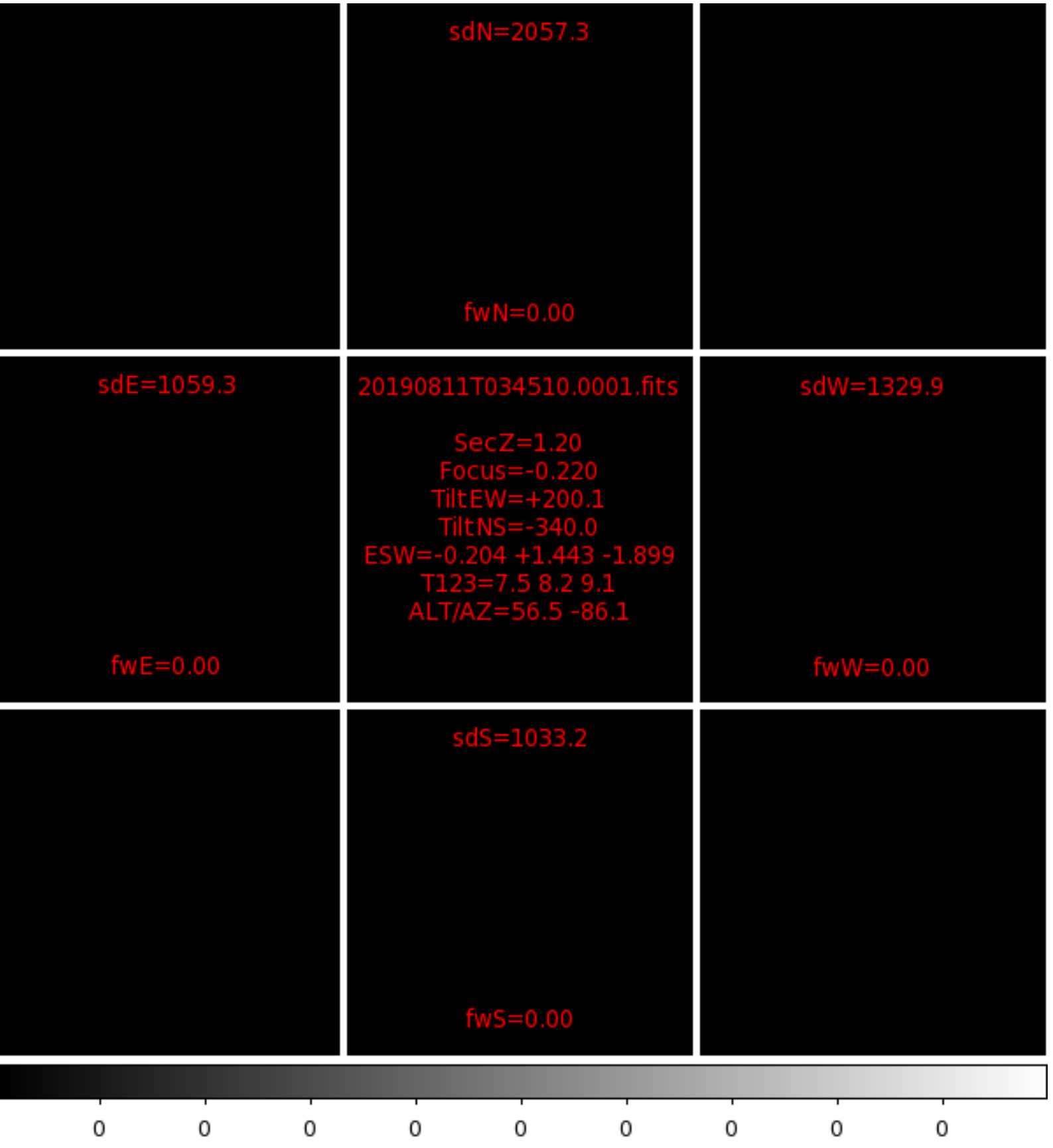
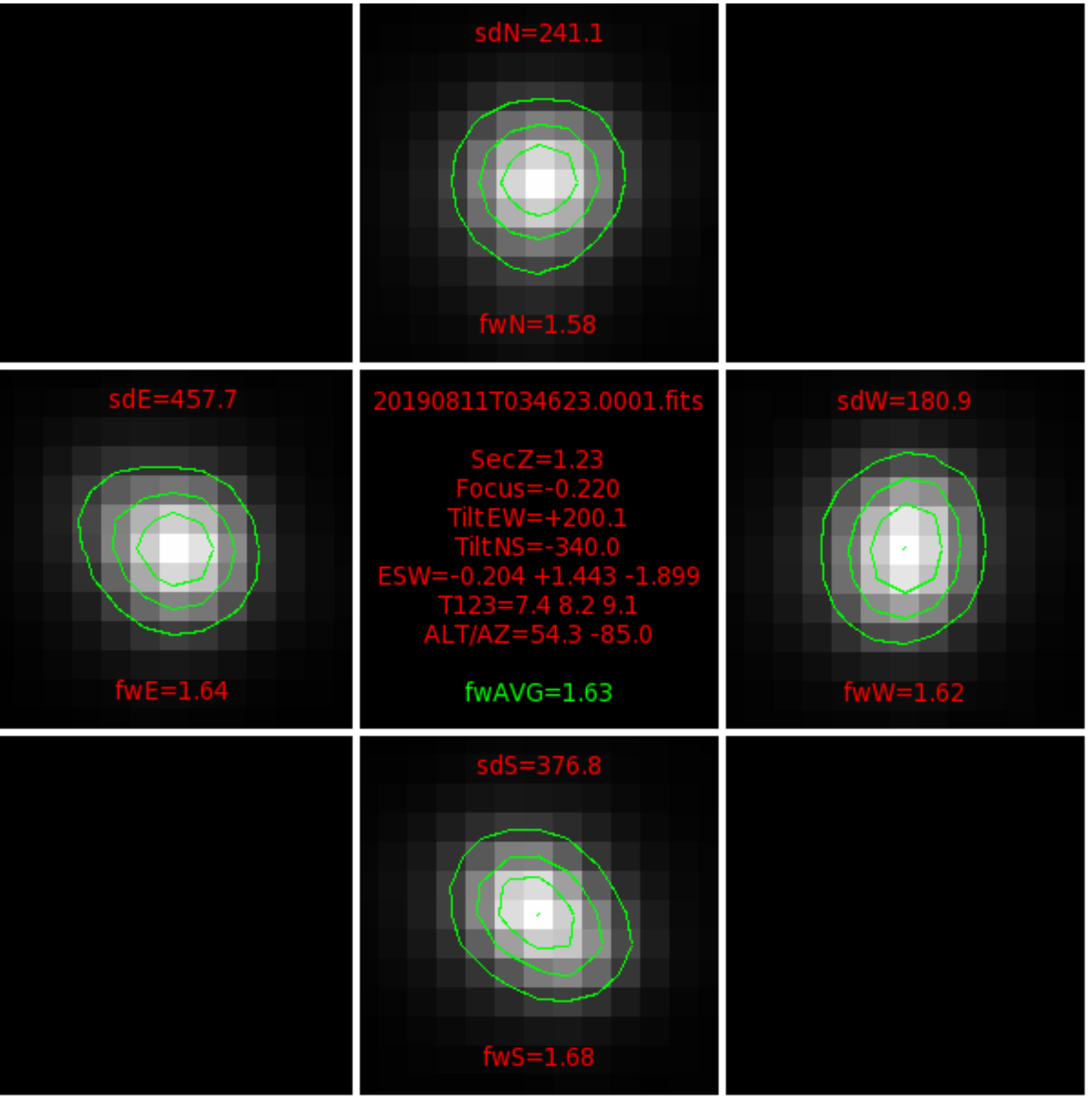

sdN=2057.3
fwN=0.00
sdE=1059.3
fwE=0.00
20190811T034510.0001.fits
SecZ=1.20
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.5 8.2 9.1
ALT/AZ=56.5 -86.1
sdW=1329.9
fwW=0.00
sdS=1033.2
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=241.1
fwN=1.58
sdE=457.7
fwE=1.64
20190811T034623.0001.fits
SecZ=1.23
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.4 8.2 9.1
ALT/AZ=54.3 -85.0
fwAVG=1.63
sdW=180.9
fwW=1.62
sdS=376.8
fwS=1.68
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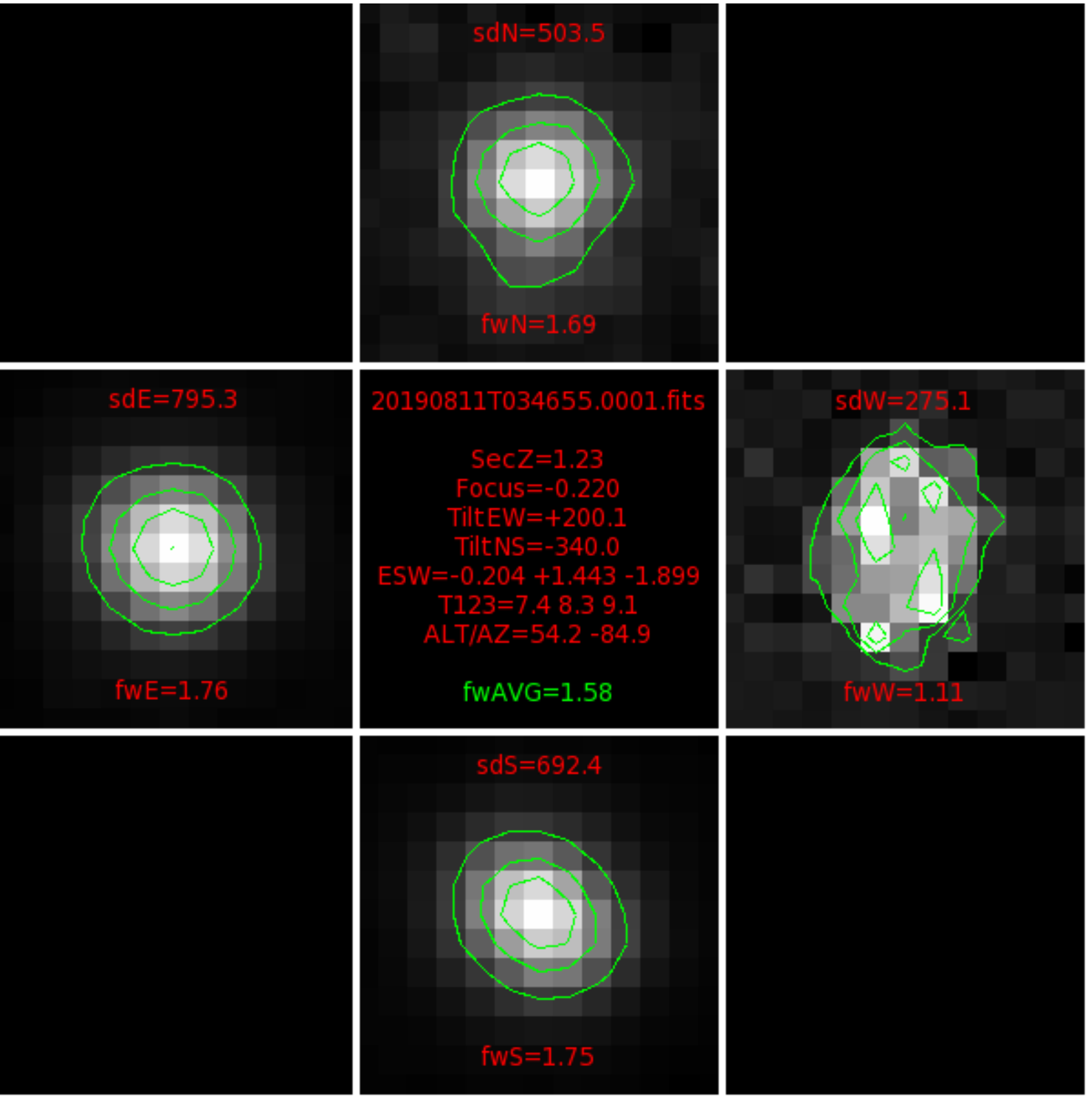
sdN=503.5
fwN=1.69
sdE=795.3
fwE=1.76
20190811T034655.0001.fits
SecZ=1.23
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.4 8.3 9.1
ALT/AZ=54.2 -84.9
fwAVG=1.58
sdW=275.1
fwW=1.11
sdS=692.4
fwS=1.75
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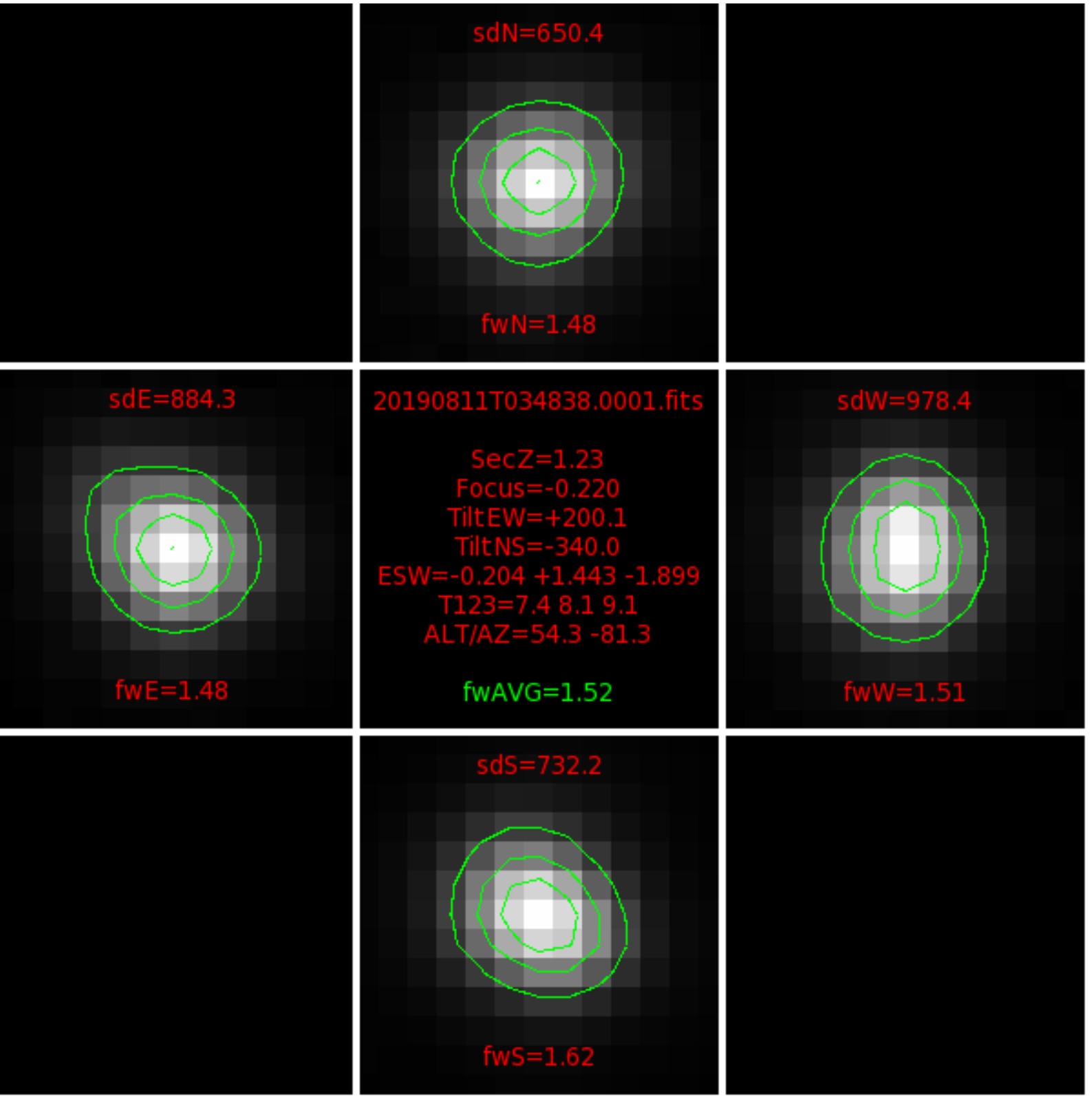
sdN=650.4
fwN=1.48
sdE=884.3
fwE=1.48
20190811T034838.0001.fits
SecZ=1.23
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.4 8.1 9.1
ALT/AZ=54.3 -81.3
fwAVG=1.52
sdW=978.4
fwW=1.51
sdS=732.2
fwS=1.62
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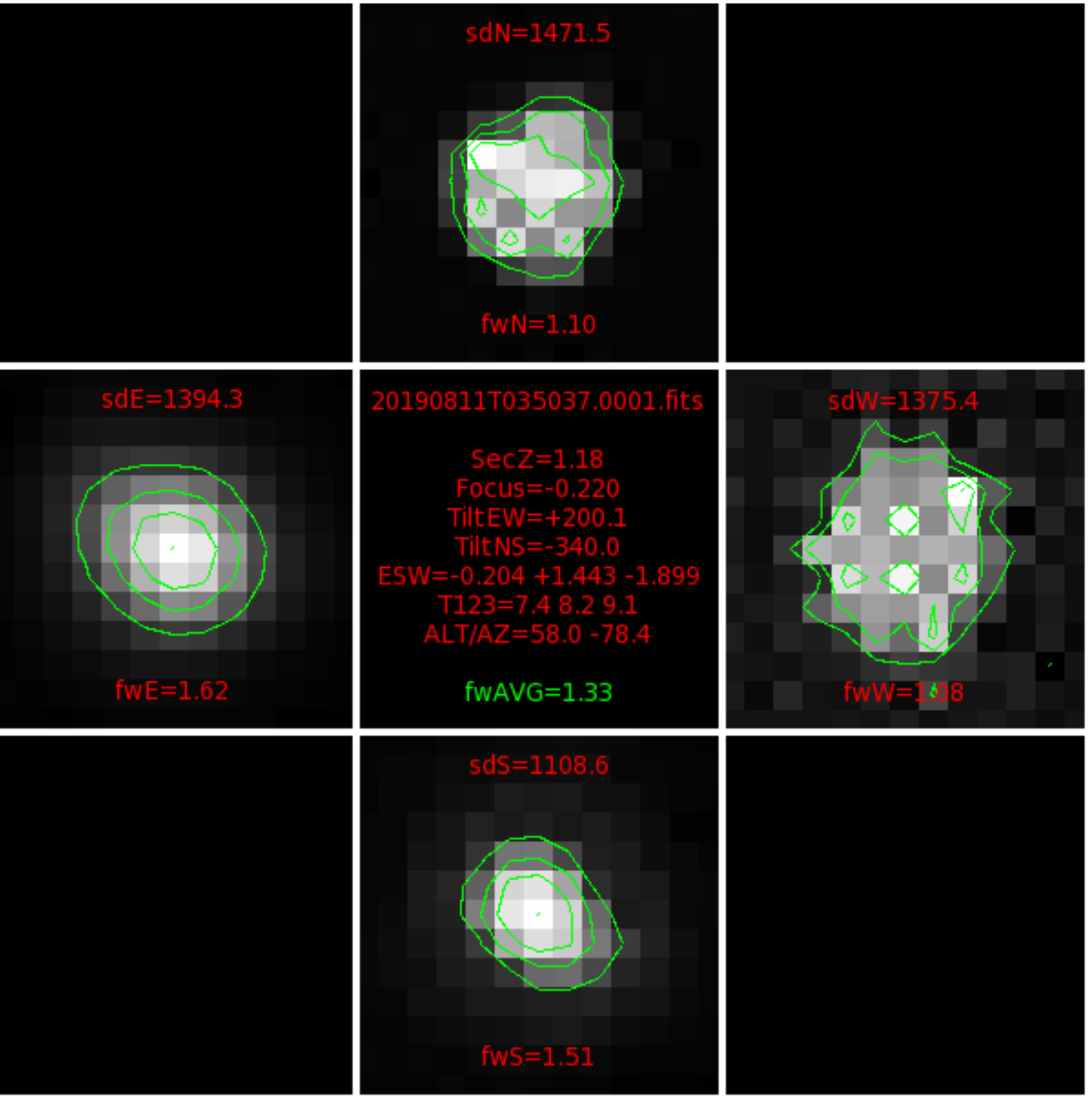
sdN=1471.5
fwN=1.10
sdE=1394.3
fwE=1.62
20190811T035037.0001.fits
SecZ=1.18
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.4 8.2 9.1
ALT/AZ=58.0 -78.4
fwAVG=1.33
sdW=1375.4
fwW=1.08
sdS=1108.6
fwS=1.51
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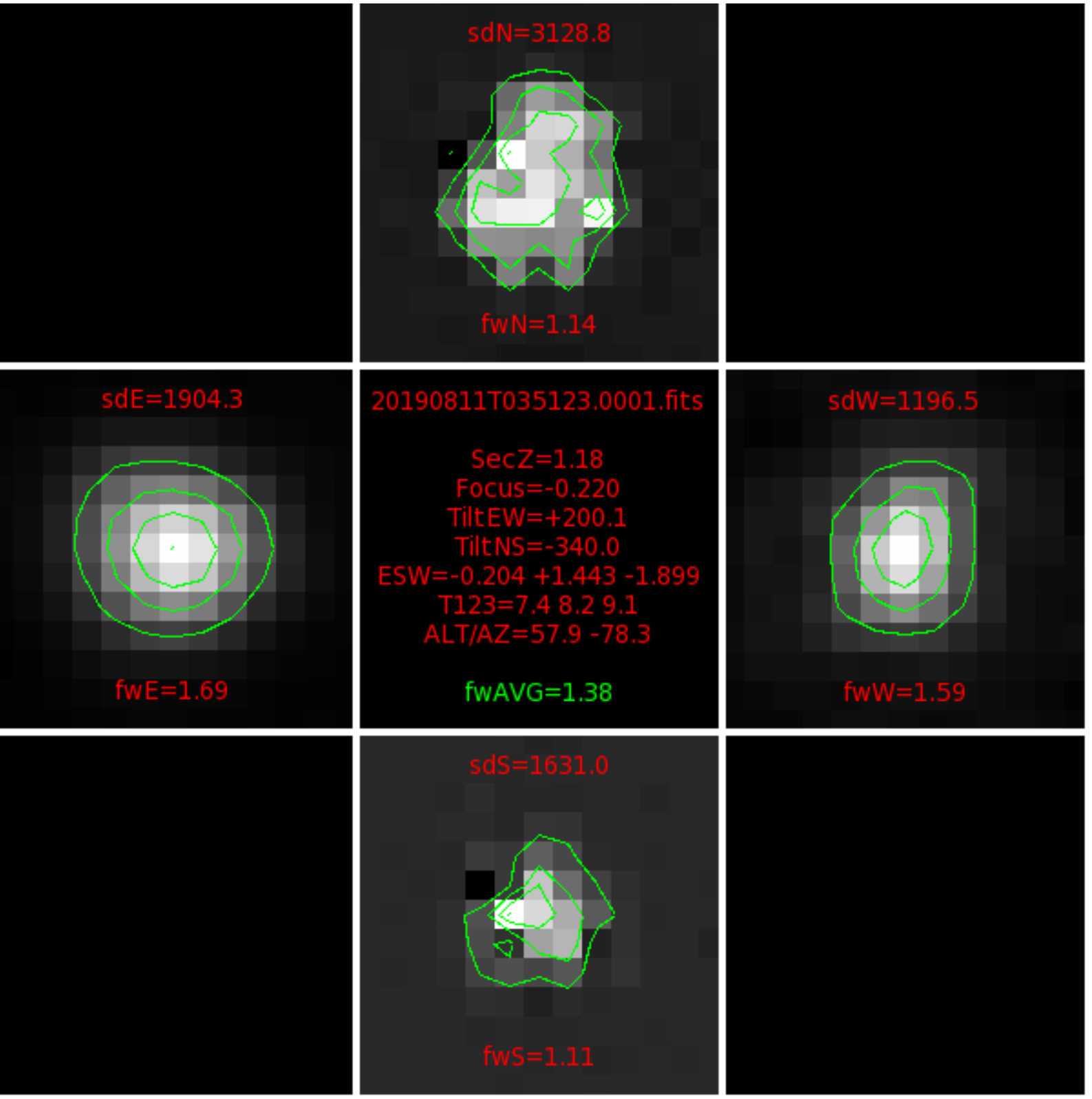
sdN=3128.8
fwN=1.14
sdE=1904.3
fwE=1.69
20190811T035123.0001.fits
SecZ=1.18
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.4 8.2 9.1
ALT/AZ=57.9 -78.3
fwAVG=1.38
sdW=1196.5
fwW=1.59
sdS=1631.0
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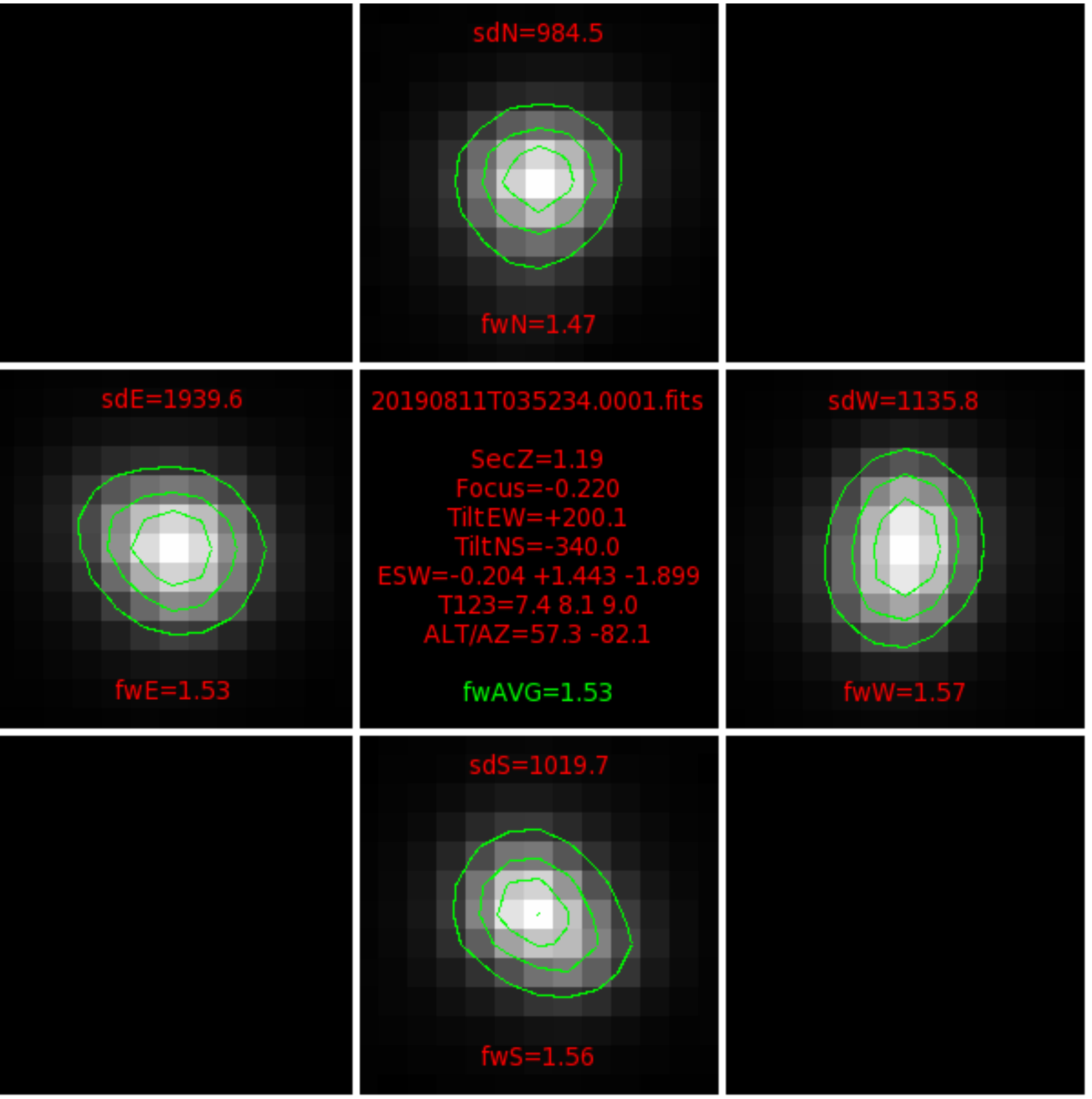
sdN=984.5
fwN=1.47
sdE=1939.6
fwE=1.53
20190811T035234.0001.fits
SecZ=1.19
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.4 8.1 9.0
ALT/AZ=57.3 -82.1
fwAVG=1.53
sdW=1135.8
fwW=1.57
sdS=1019.7
fwS=1.56
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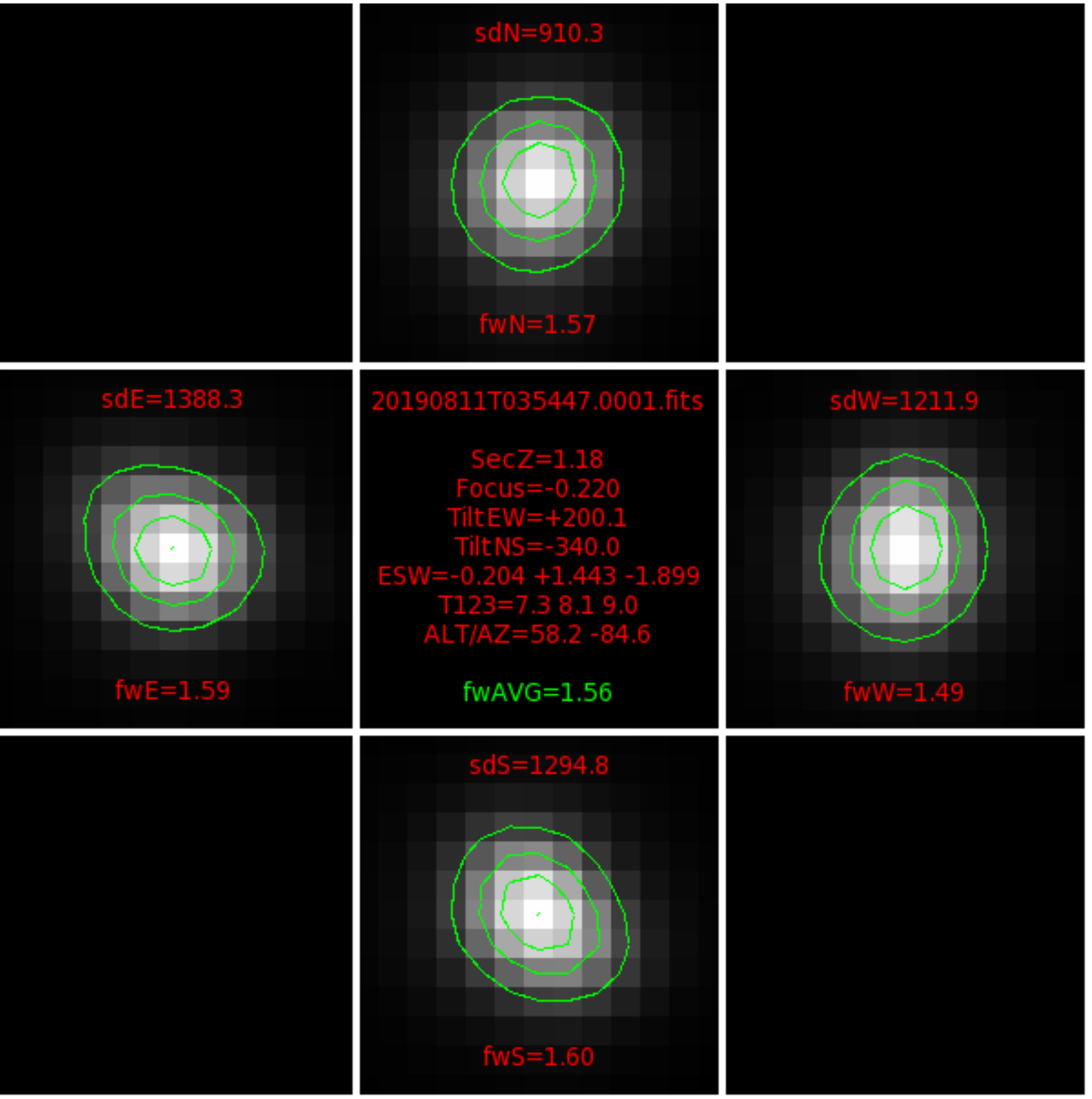
sdN=910.3
fwN=1.57
sdE=1388.3
fwE=1.59
20190811T035447.0001.fits
SecZ=1.18
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.3 8.1 9.0
ALT/AZ=58.2 -84.6
fwAVG=1.56
sdW=1211.9
fwW=1.49
sdS=1294.8
fwS=1.60
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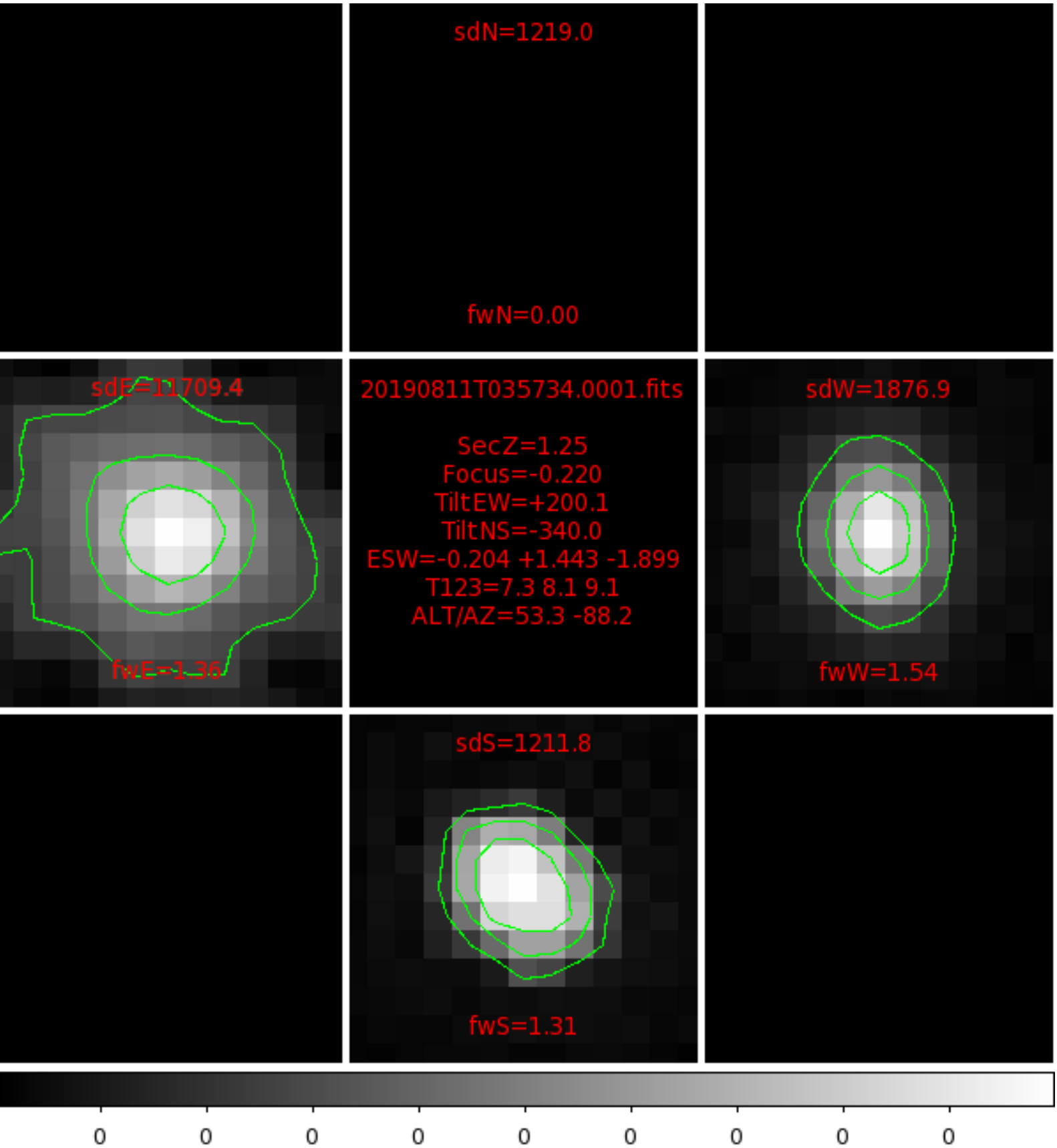
sdN=1219.0
fwN=0.00
sdE=11709.4
fwE=1.36
20190811T035734.0001.fits
SecZ=1.25
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.3 8.1 9.1
ALT/AZ=53.3 -88.2
sdW=1876.9
fwW=1.54
sdS=1211.8
fwS=1.31
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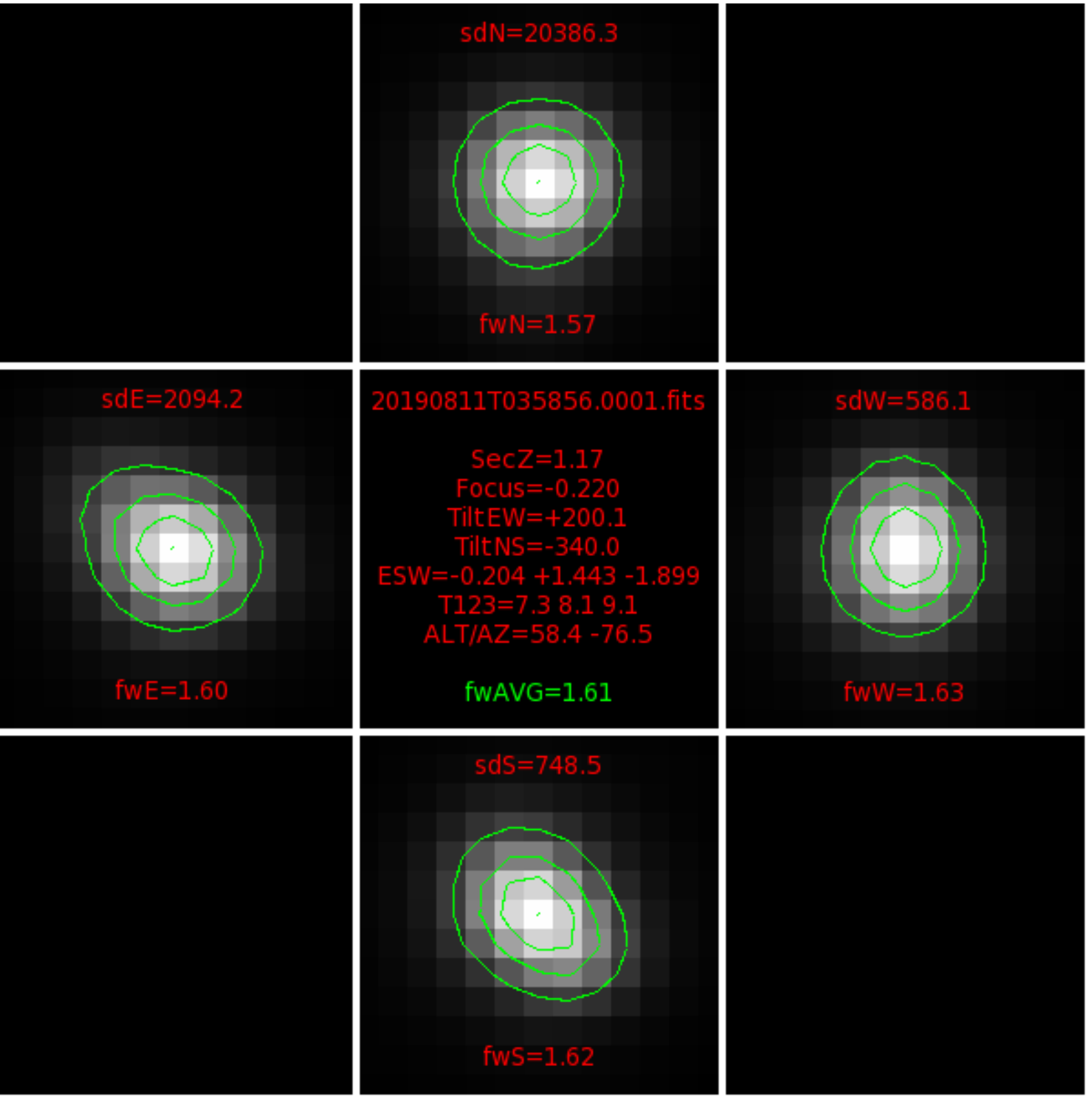
sdN=20386.3
fwN=1.57
sdE=2094.2
fwE=1.60
20190811T035856.0001.fits
SecZ=1.17
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.3 8.1 9.1
ALT/AZ=58.4 -76.5
fwAVG=1.61
sdW=586.1
fwW=1.63
sdS=748.5
fwS=1.62
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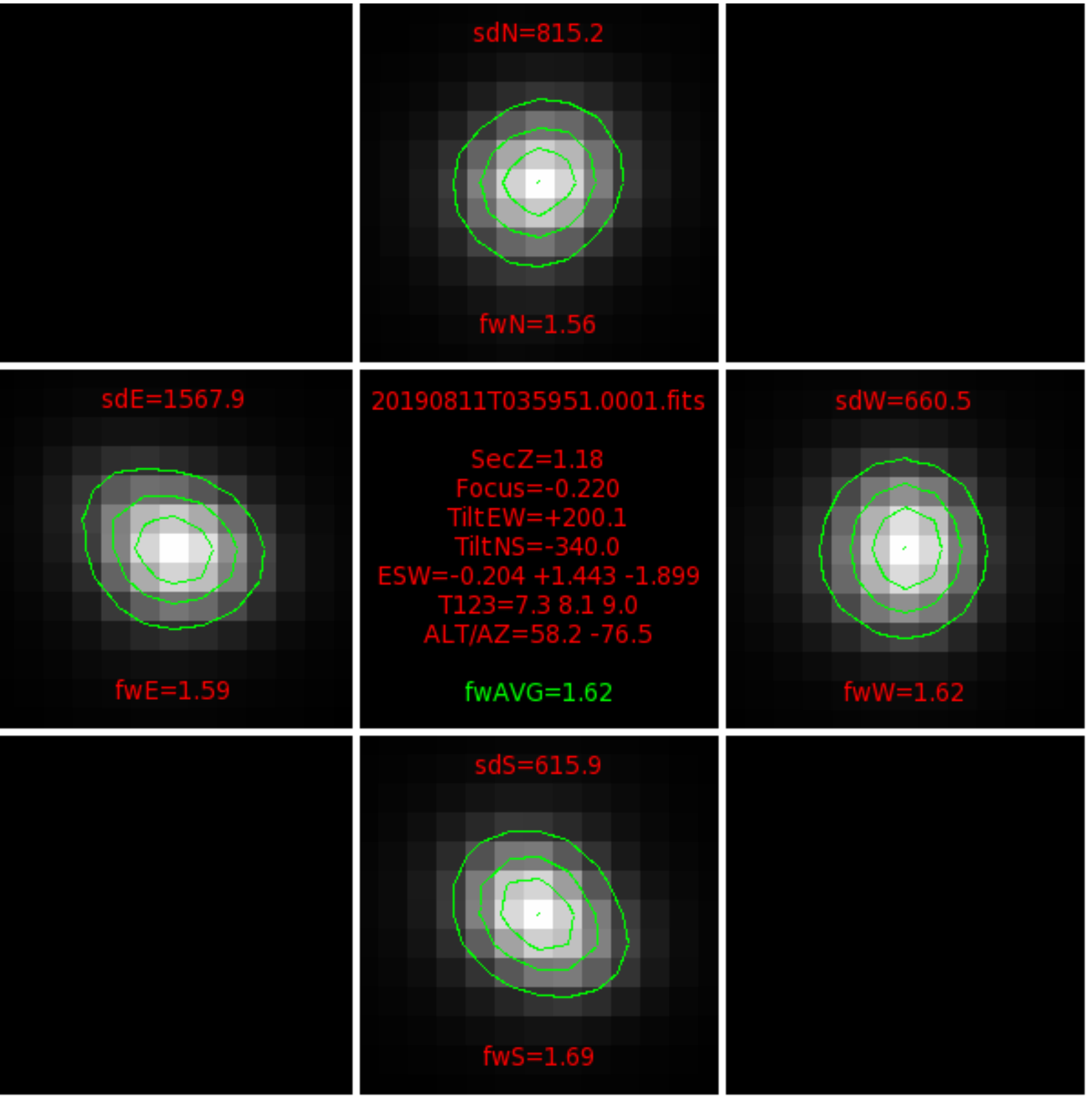
sdN=815.2
fwN=1.56
sdE=1567.9
fwE=1.59
20190811T035951.0001.fits
SecZ=1.18
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.3 8.1 9.0
ALT/AZ=58.2 -76.5
fwAVG=1.62
sdW=660.5
fwW=1.62
sdS=615.9
fwS=1.69
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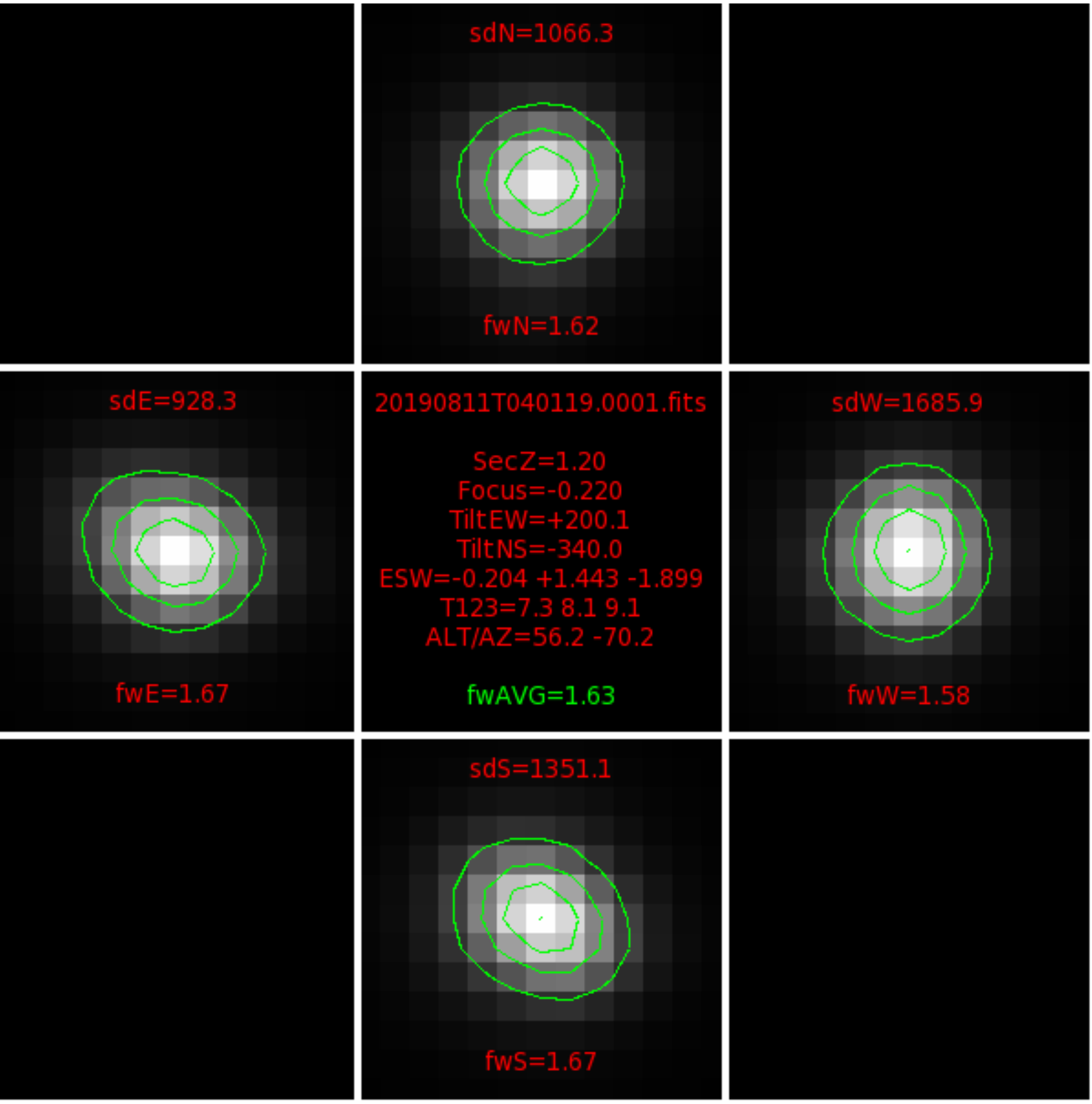
sdN=1066.3
fwN=1.62
sdE=928.3
fwE=1.67
20190811T040119.0001.fits
SecZ=1.20
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.3 8.1 9.1
ALT/AZ=56.2 -70.2
fwAVG=1.63
sdW=1685.9
fwW=1.58
sdS=1351.1
fwS=1.67
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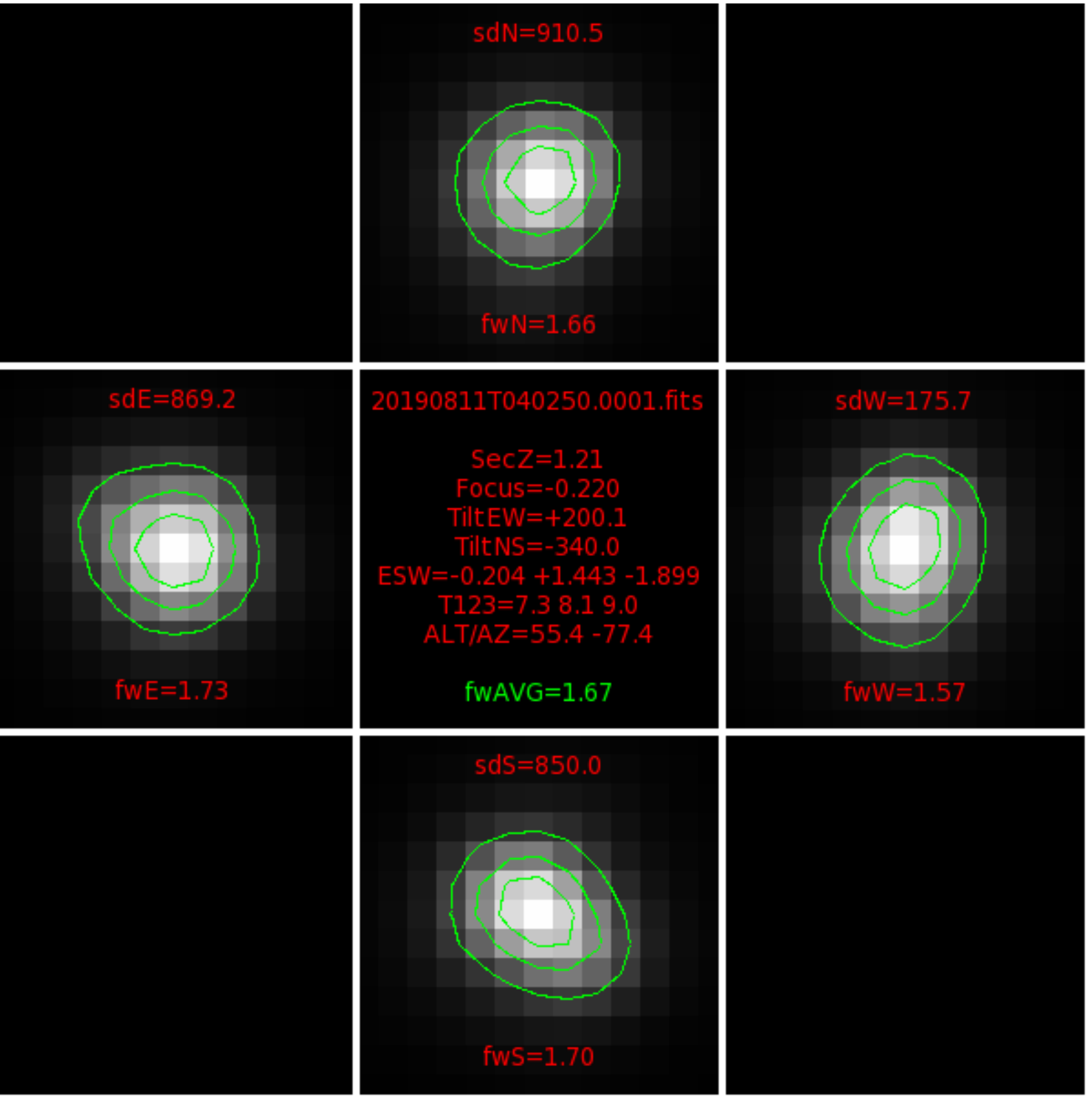
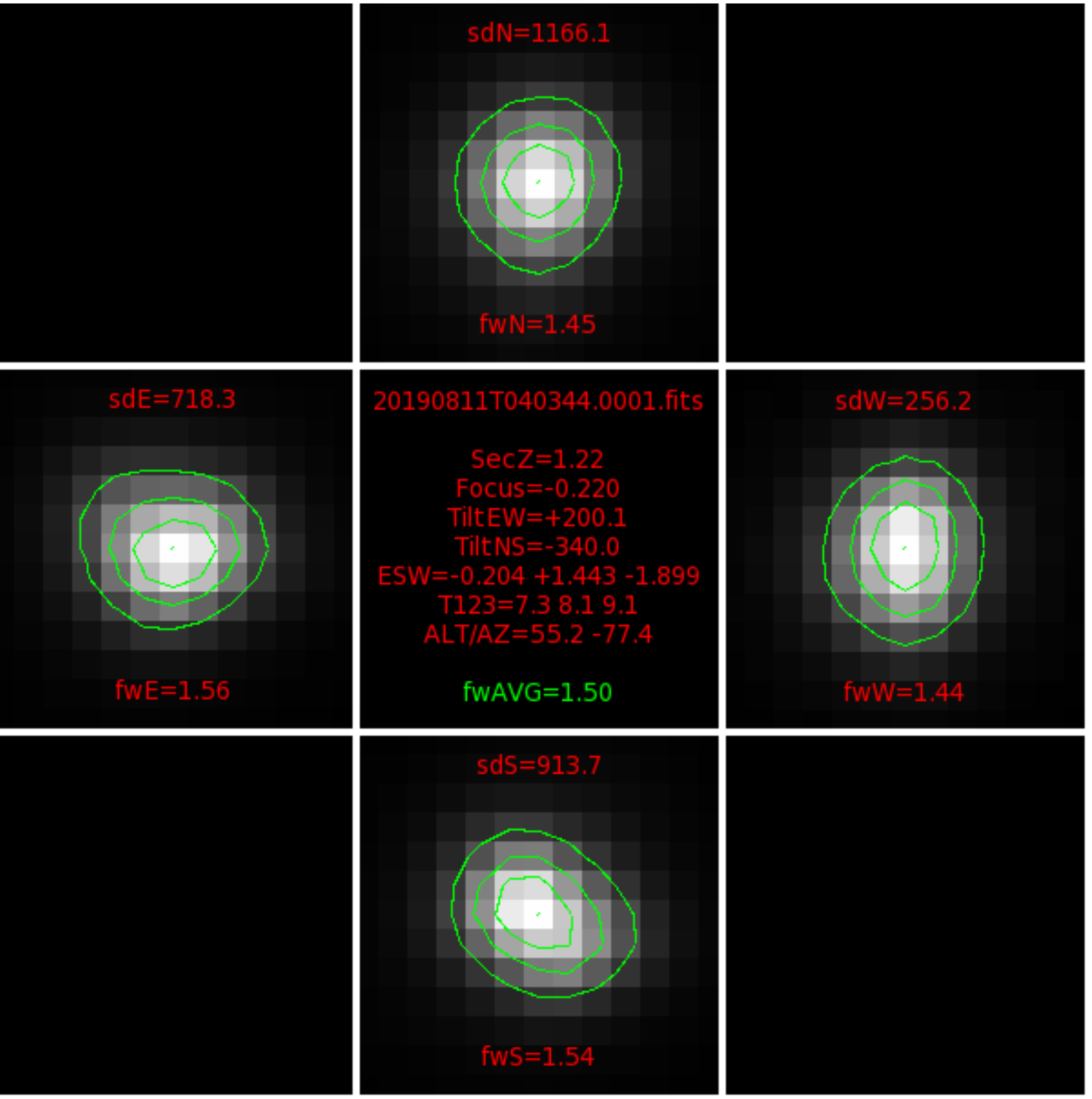

sdN=910.5
fwN=1.66
sdE=869.2
fwE=1.73
20190811T040250.0001.fits
SecZ=1.21
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.3 8.1 9.0
ALT/AZ=55.4 -77.4
fwAVG=1.67
sdW=175.7
fwW=1.57
sdS=850.0
fwS=1.70
0 0 0 0 0 0 0 0 0


sdN=1166.1
fwN=1.45
sdE=718.3
fwE=1.56
20190811T040344.0001.fits
SecZ=1.22
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.3 8.1 9.1
ALT/AZ=55.2 -77.4
fwAVG=1.50
sdW=256.2
fwW=1.44
sdS=913.7
fwS=1.54
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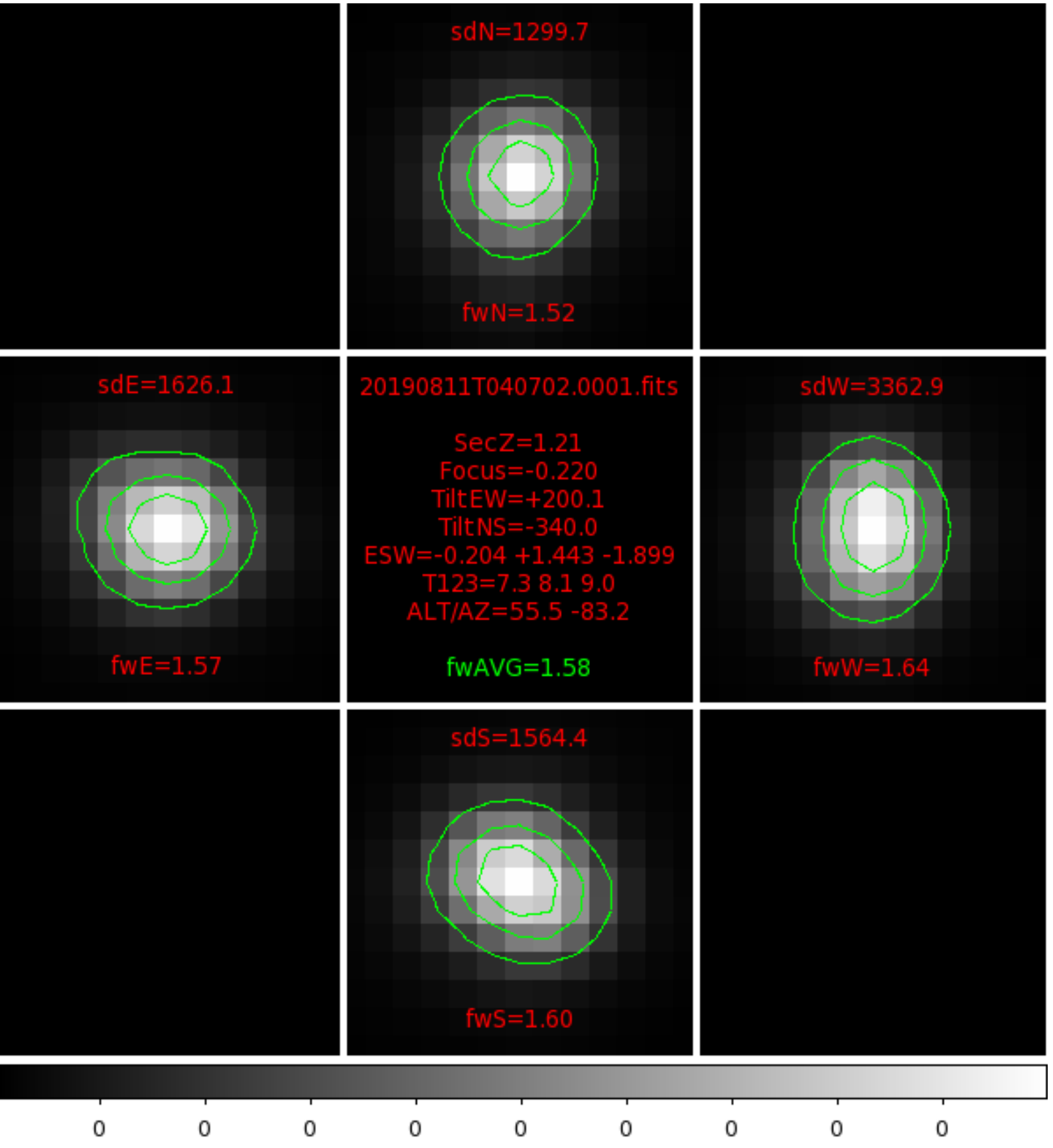
sdN=1299.7
fwN=1.52
sdE=1626.1
fwE=1.57
20190811T040702.0001.fits
SecZ=1.21
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.3 8.1 9.0
ALT/AZ=55.5 -83.2
fwAVG=1.58
sdW=3362.9
fwW=1.64
sdS=1564.4
fwS=1.60
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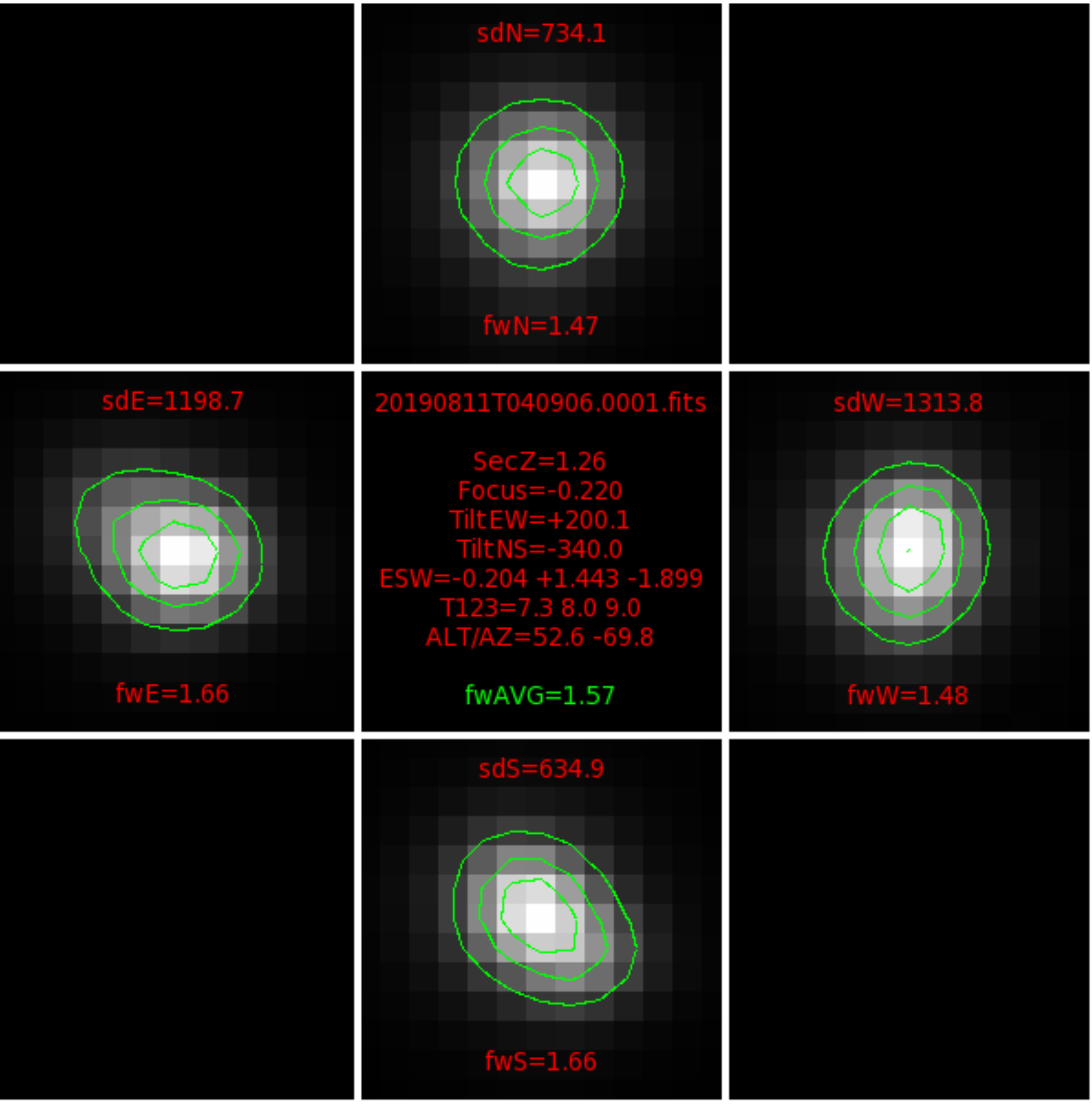
sdN=734.1
fwN=1.47
sdE=1198.7
fwE=1.66
20190811T040906.0001.fits
SecZ=1.26
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.3 8.0 9.0
ALT/AZ=52.6 -69.8
fwAVG=1.57
sdW=1313.8
fwW=1.48
sdS=634.9
fwS=1.66
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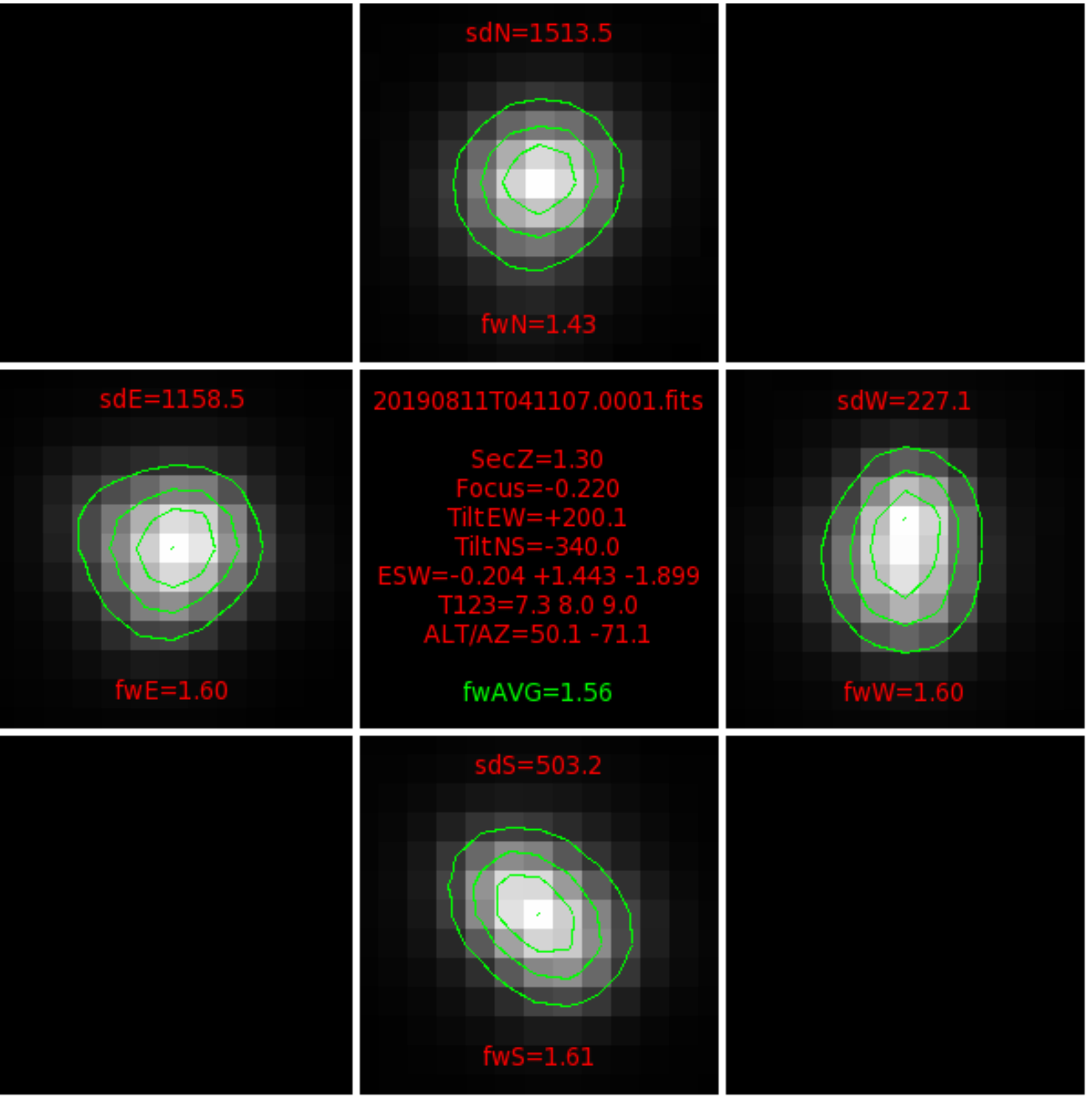
sdN=1513.5
fwN=1.43
sdE=1158.5
fwE=1.60
20190811T041107.0001.fits
SecZ=1.30
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.3 8.0 9.0
ALT/AZ=50.1 -71.1
fwAVG=1.56
sdW=227.1
fwW=1.60
sdS=503.2
fwS=1.61
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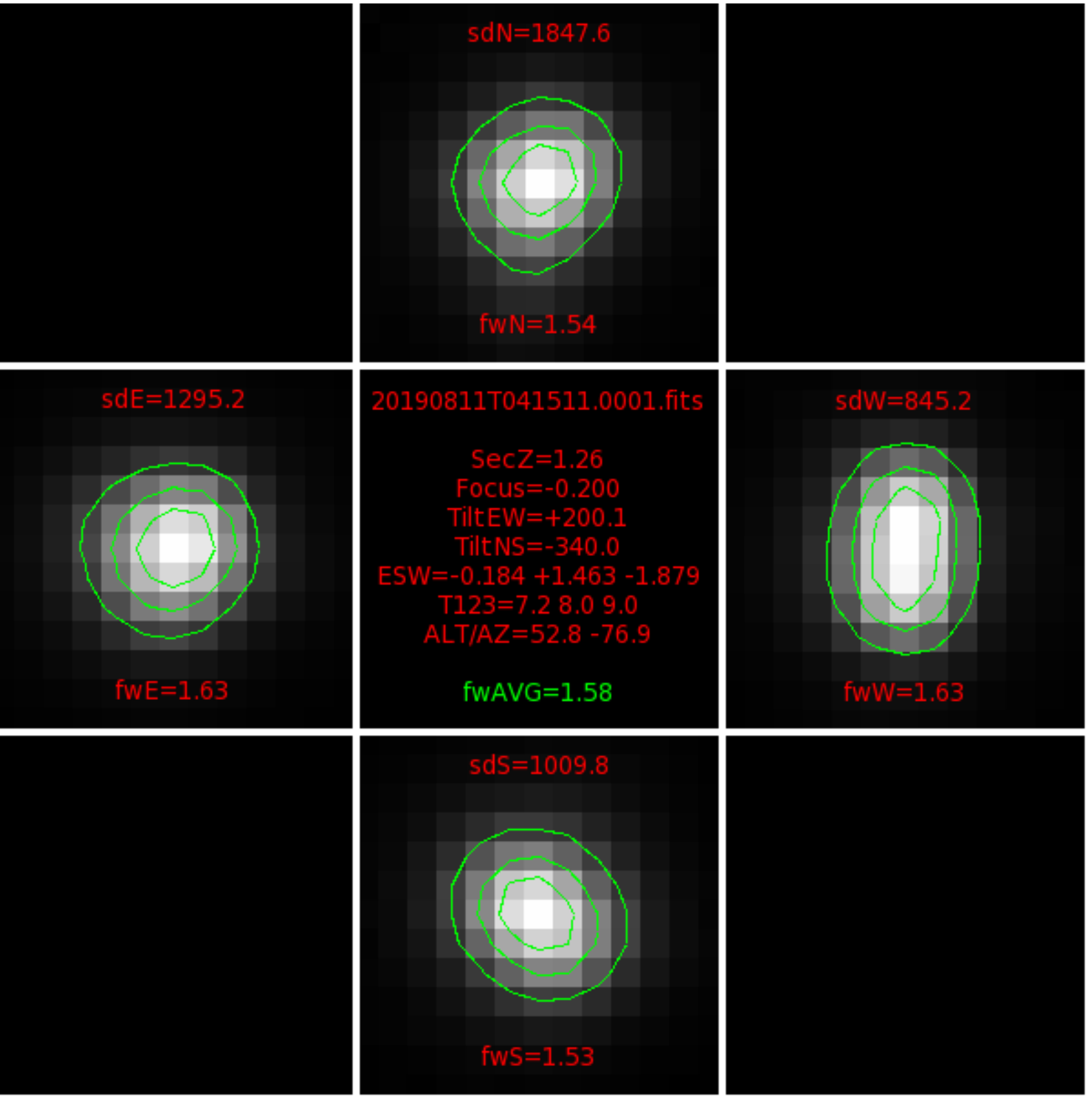
sdN=1847.6
fwN=1.54
sdE=1295.2
fwE=1.63
20190811T041511.0001.fits
SecZ=1.26
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.2 8.0 9.0
ALT/AZ=52.8 -76.9
fwAVG=1.58
sdW=845.2
fwW=1.63
sdS=1009.8
fwS=1.53
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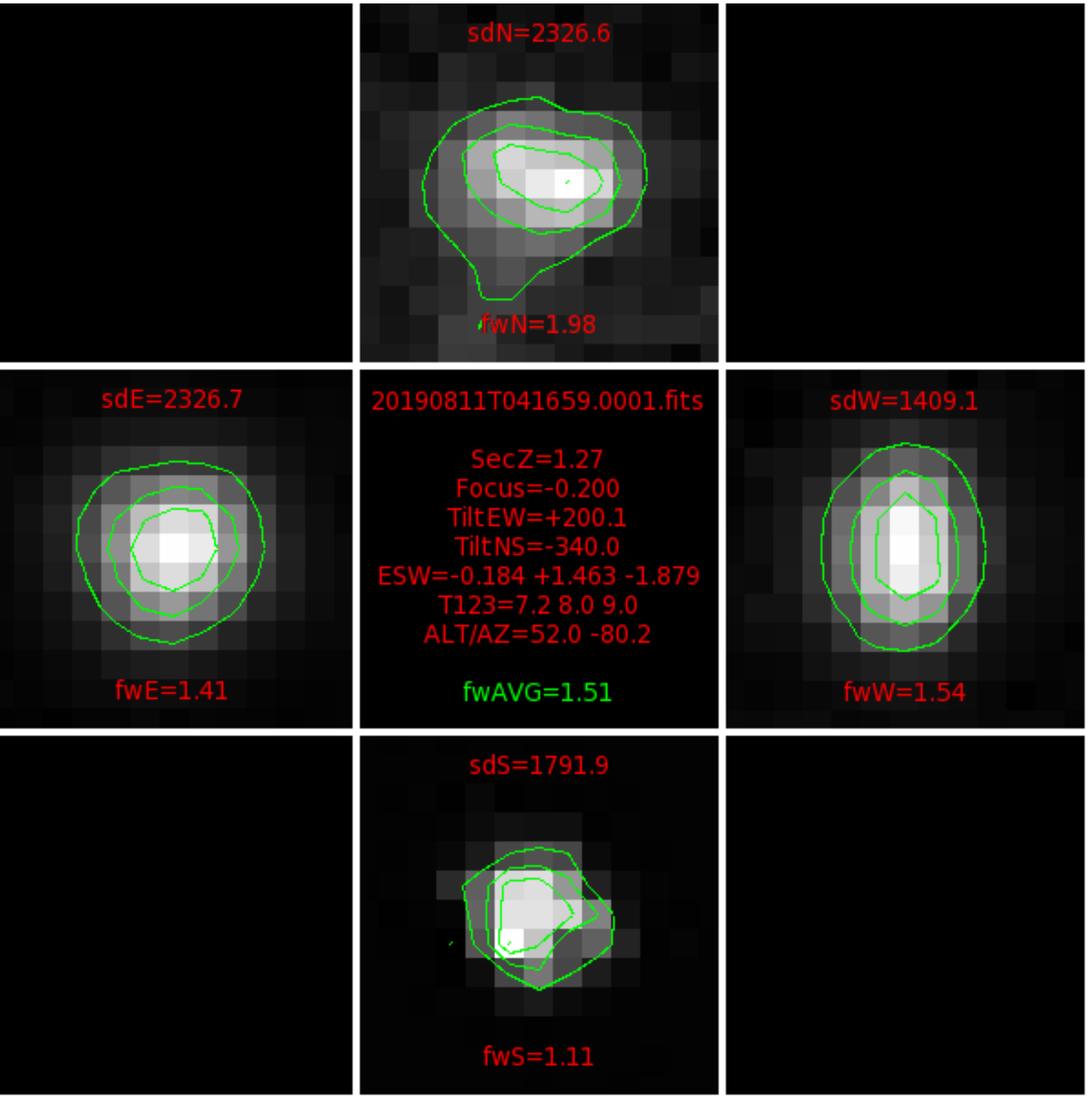
sdN=2326.6
fwN=1.98
sdE=2326.7
fwE=1.41
20190811T041659.0001.fits
SecZ=1.27
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.2 8.0 9.0
ALT/AZ=52.0 -80.2
fwAVG=1.51
sdW=1409.1
fwW=1.54
sdS=1791.9
fwS=1.11
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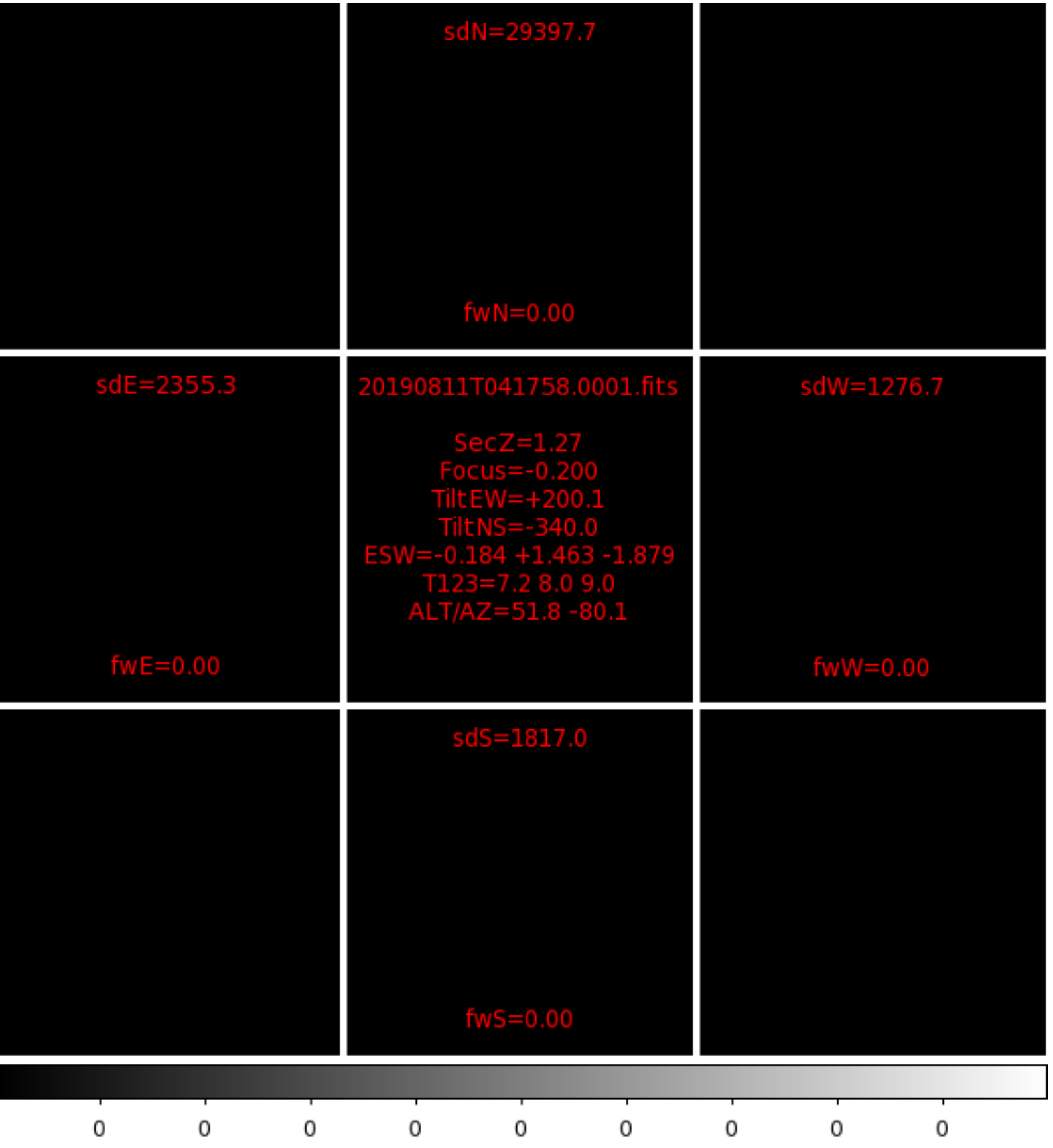
sdN=29397.7
fwN=0.00
sdE=2355.3
fwE=0.00
20190811T041758.0001.fits
SecZ=1.27
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.2 8.0 9.0
ALT/AZ=51.8 -80.1
sdW=1276.7
fwW=0.00
sdS=1817.0
fwS=0.00
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sdN=838.9
fwN=0.00
sdE=994.4
fwE=0.00
20190811T041913.0001.fits
SecZ=1.25
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.2 8.0 9.0
ALT/AZ=52.9 -82.4
sdW=963.6
fwW=0.00
sdS=868.5
fwS=1.44
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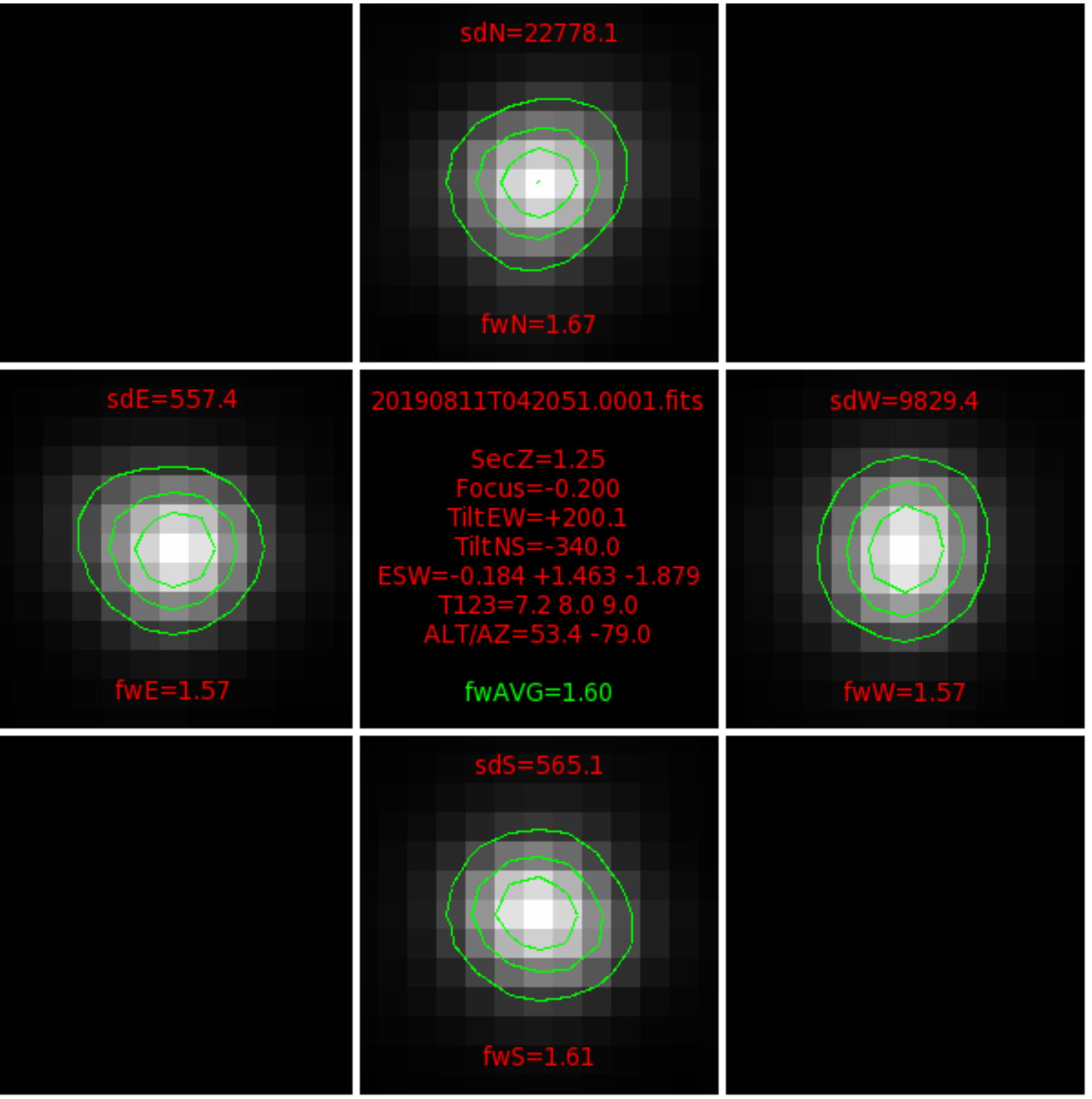
sdN=22778.1
fwN=1.67
sdE=557.4
fwE=1.57
20190811T042051.0001.fits
SecZ=1.25
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.2 8.0 9.0
ALT/AZ=53.4 -79.0
fwAVG=1.60
sdW=9829.4
fwW=1.57
sdS=565.1
fwS=1.61
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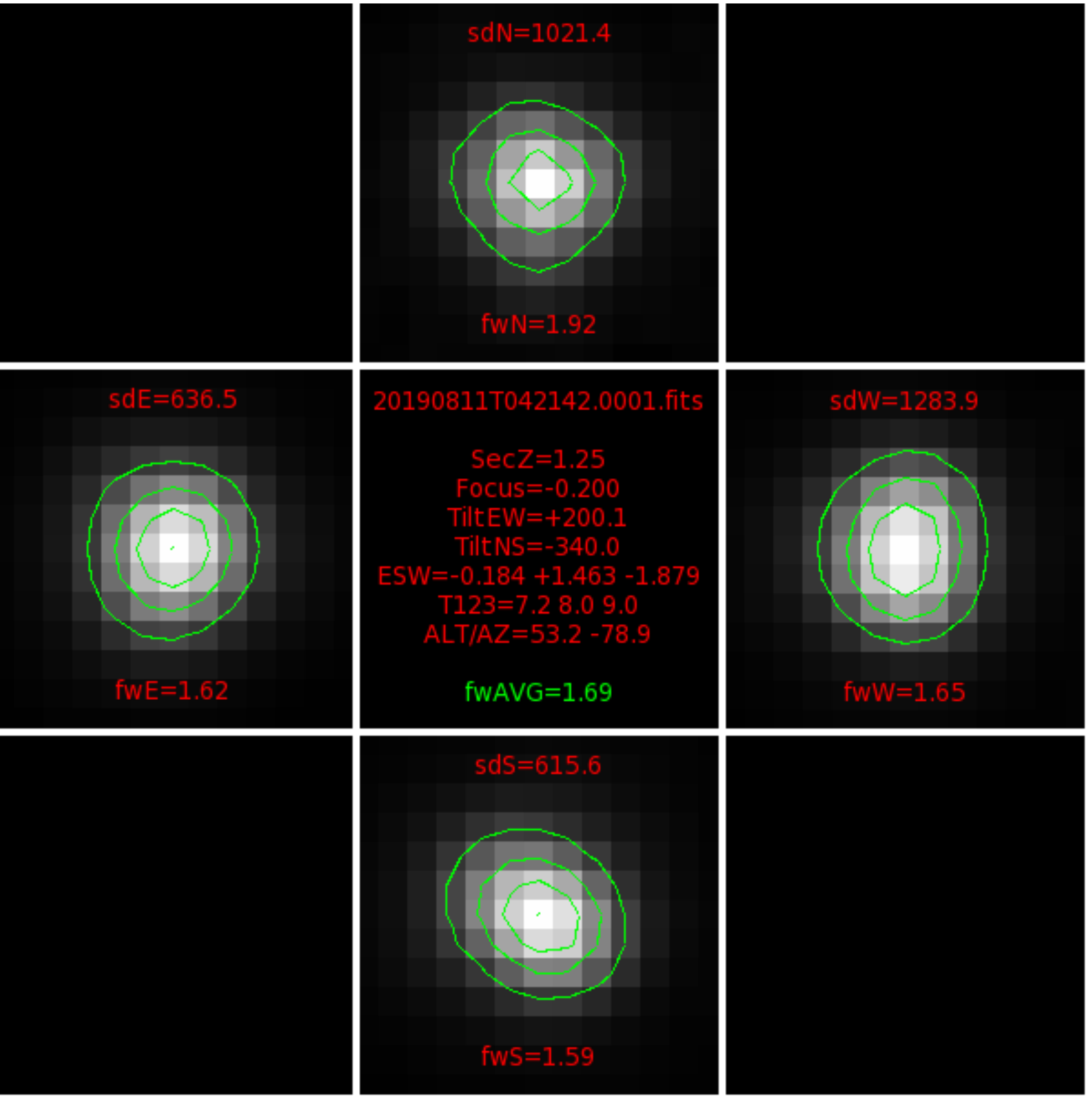
sdN=1021.4
fwN=1.92
sdE=636.5
fwE=1.62
20190811T042142.0001.fits
SecZ=1.25
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.2 8.0 9.0
ALT/AZ=53.2 -78.9
fwAVG=1.69
sdW=1283.9
fwW=1.65
sdS=615.6
fwS=1.59
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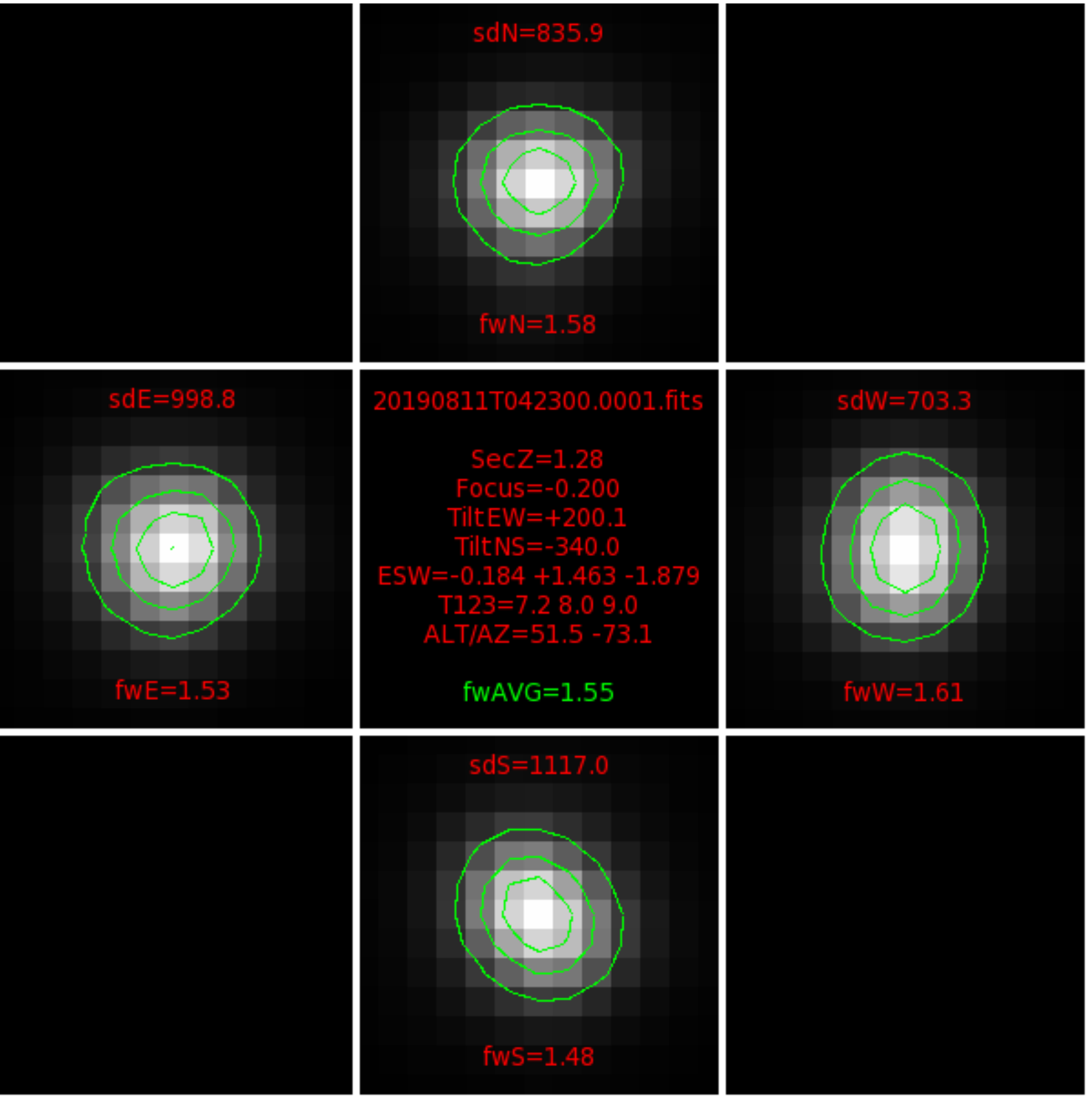
sdN=835.9
fwN=1.58
sdE=998.8
fwE=1.53
20190811T042300.0001.fits
SecZ=1.28
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.2 8.0 9.0
ALT/AZ=51.5 -73.1
fwAVG=1.55
sdW=703.3
fwW=1.61
sdS=1117.0
fwS=1.48
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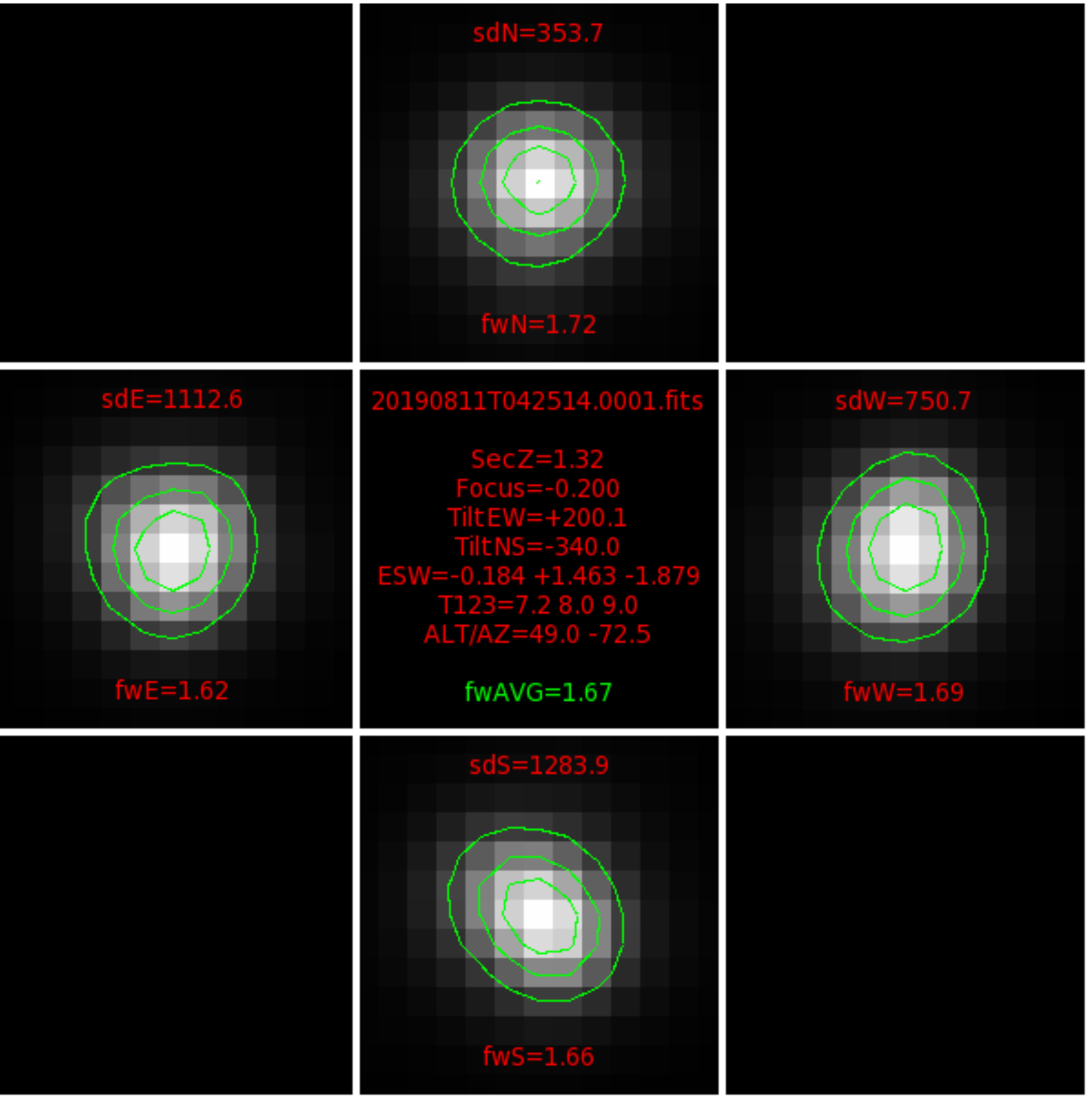
sdN=353.7
fwN=1.72
sdE=1112.6
fwE=1.62
20190811T042514.0001.fits
SecZ=1.32
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.2 8.0 9.0
ALT/AZ=49.0 -72.5
fwAVG=1.67
sdW=750.7
fwW=1.69
sdS=1283.9
fwS=1.66
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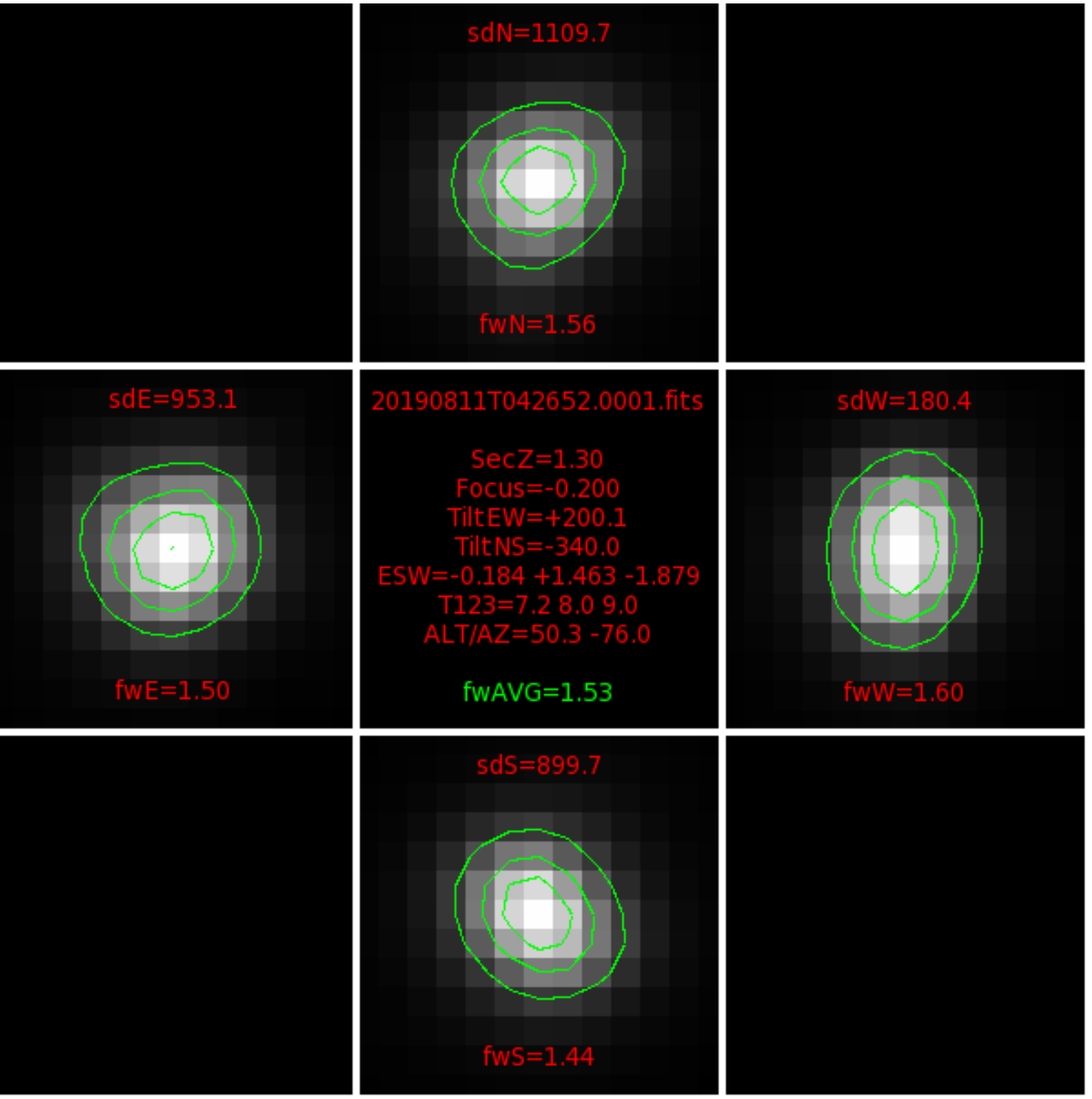
sdN=1109.7
fwN=1.56
sdE=953.1
fwE=1.50
20190811T042652.0001.fits
SecZ=1.30
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.2 8.0 9.0
ALT/AZ=50.3 -76.0
fwAVG=1.53
sdW=180.4
fwW=1.60
sdS=899.7
fwS=1.44
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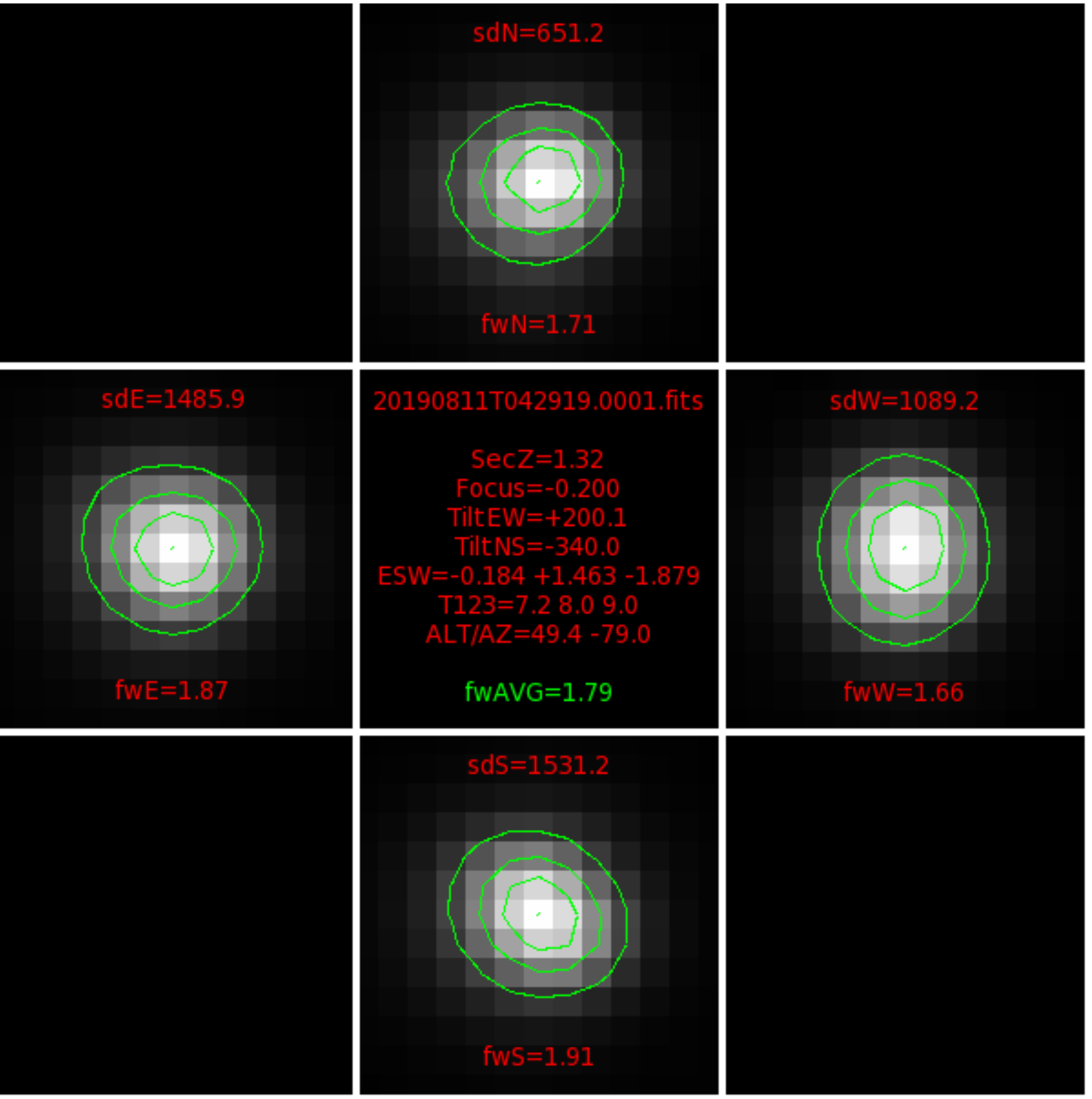
sdN=651.2
fwN=1.71
sdE=1485.9
fwE=1.87
20190811T042919.0001.fits
SecZ=1.32
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.2 8.0 9.0
ALT/AZ=49.4 -79.0
fwAVG=1.79
sdW=1089.2
fwW=1.66
sdS=1531.2
fwS=1.91
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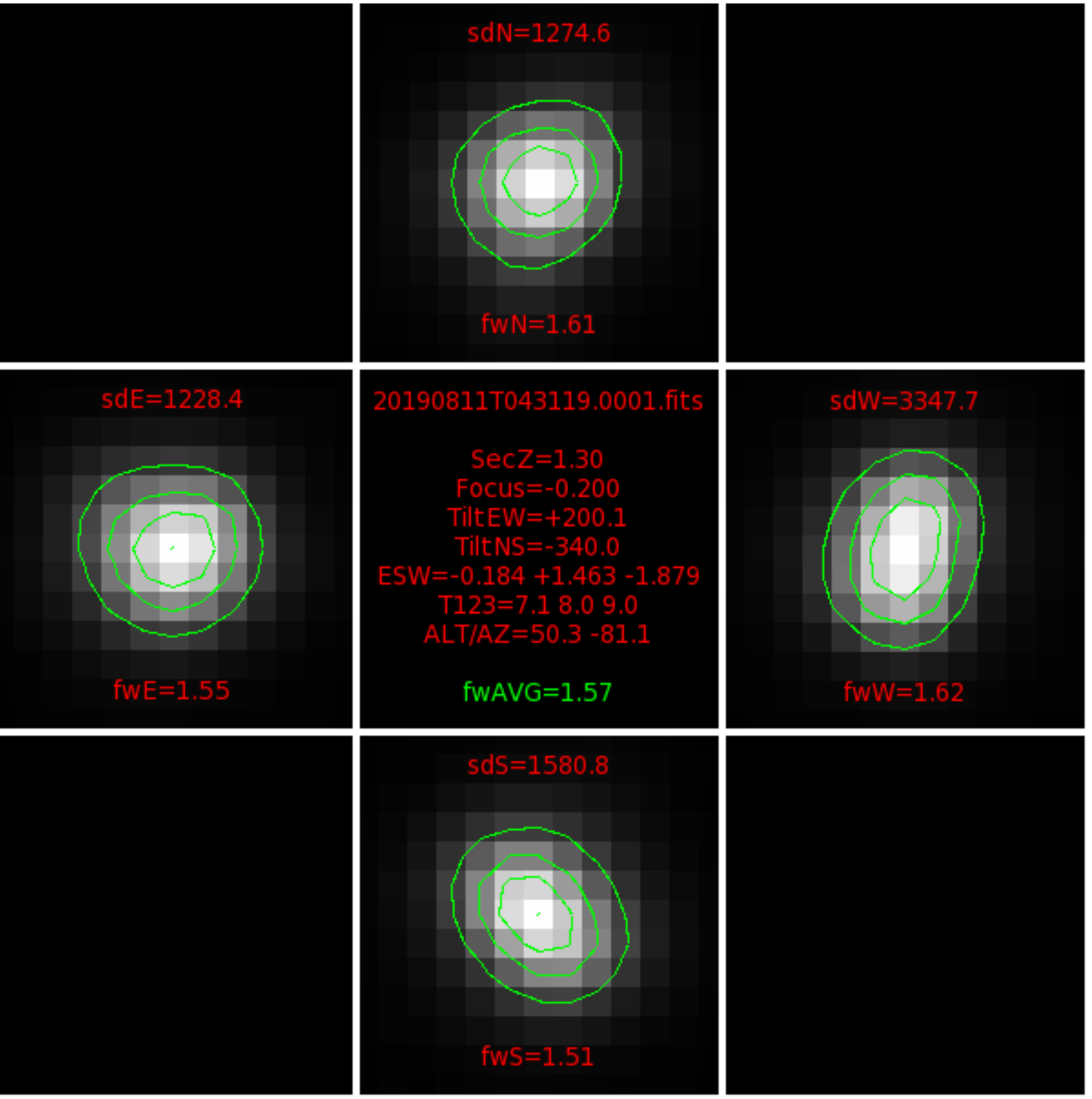
sdN=1274.6
fwN=1.61
sdE=1228.4
fwE=1.55
20190811T043119.0001.fits
SecZ=1.30
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.1 8.0 9.0
ALT/AZ=50.3 -81.1
fwAVG=1.57
sdW=3347.7
fwW=1.62
sdS=1580.8
fwS=1.51
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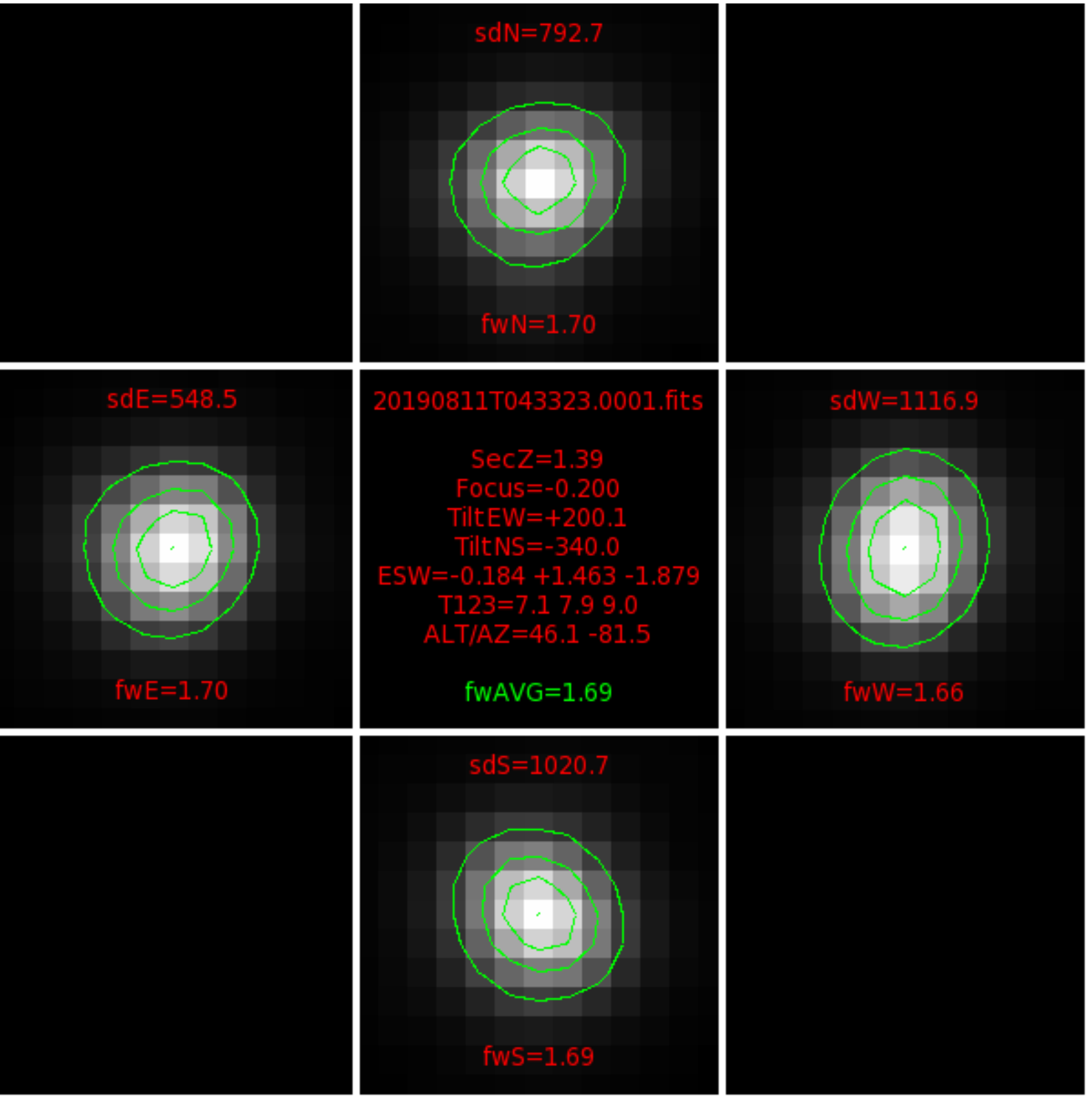
sdN=792.7
fwN=1.70
sdE=548.5
fwE=1.70
20190811T043323.0001.fits
SecZ=1.39
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.1 7.9 9.0
ALT/AZ=46.1 -81.5
fwAVG=1.69
sdW=1116.9
fwW=1.66
sdS=1020.7
fwS=1.69
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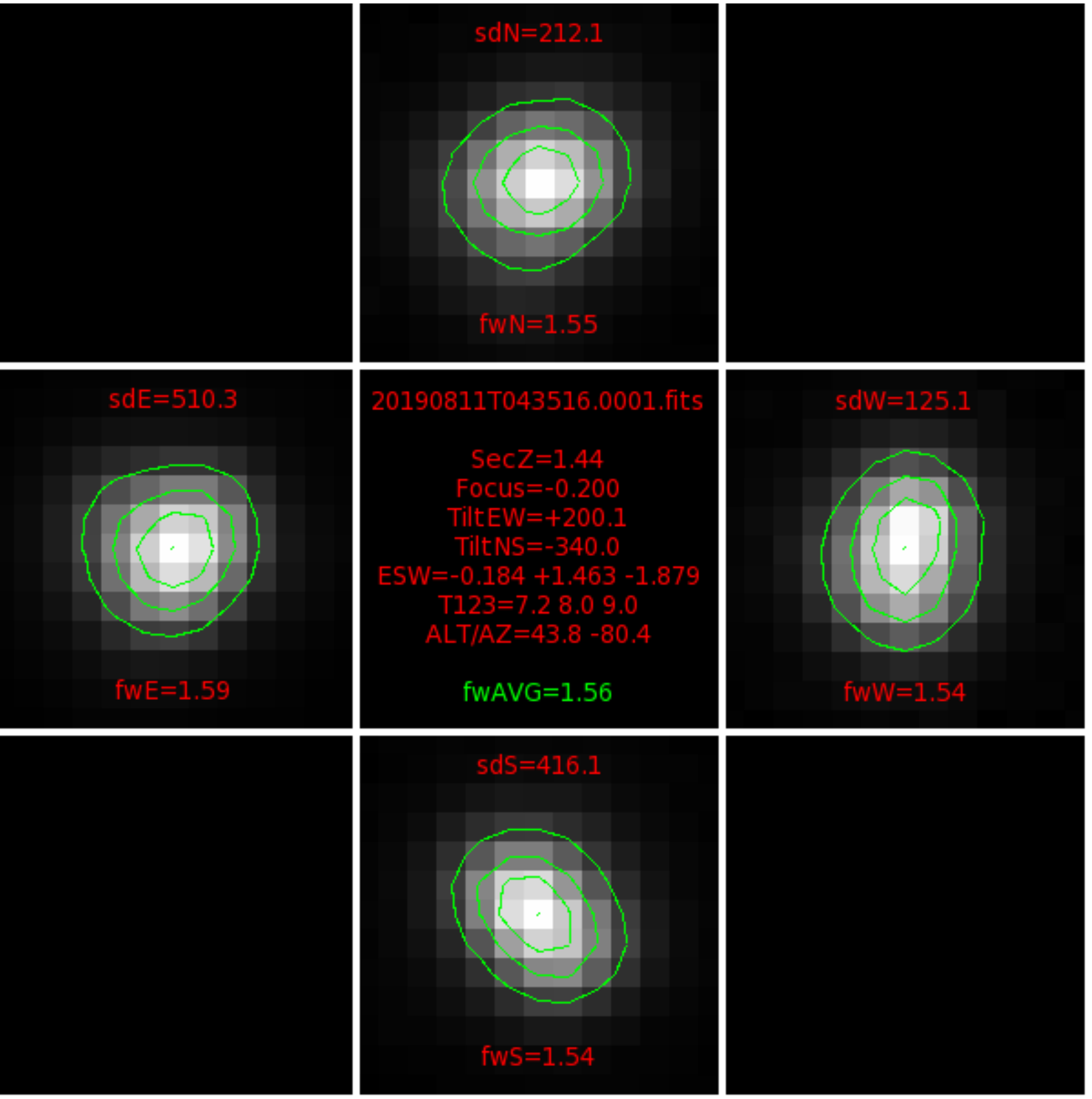
sdN=212.1
fwN=1.55
sdE=510.3
fwE=1.59
20190811T043516.0001.fits
SecZ=1.44
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.2 8.0 9.0
ALT/AZ=43.8 -80.4
fwAVG=1.56
sdW=125.1
fwW=1.54
sdS=416.1
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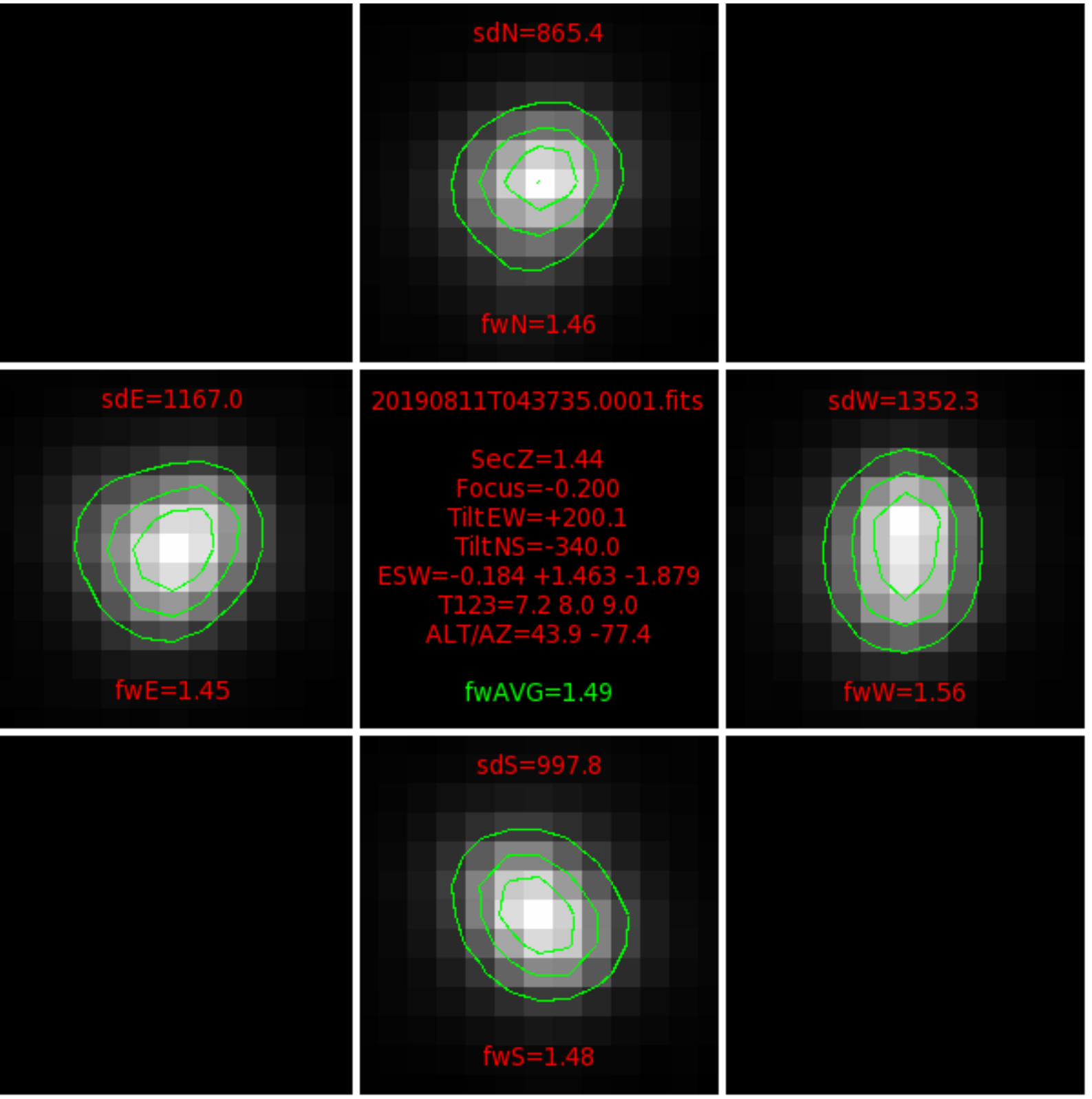
sdN=865.4
fwN=1.46
sdE=1167.0
fwE=1.45
20190811T043735.0001.fits
SecZ=1.44
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.2 8.0 9.0
ALT/AZ=43.9 -77.4
fwAVG=1.49
sdW=1352.3
fwW=1.56
sdS=997.8
fwS=1.48
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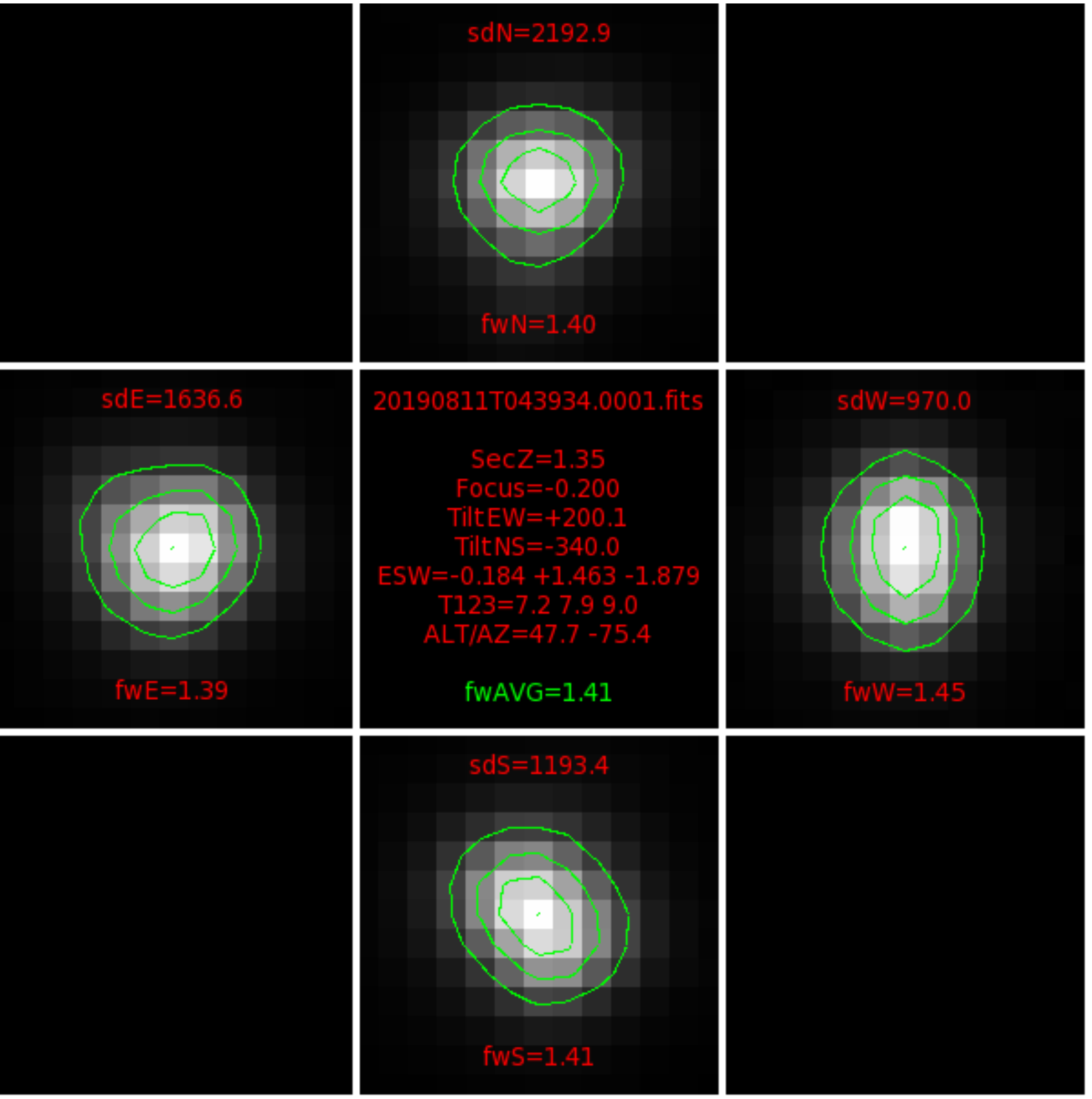
sdN=2192.9
fwN=1.40
sdE=1636.6
fwE=1.39
20190811T043934.0001.fits
SecZ=1.35
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.2 7.9 9.0
ALT/AZ=47.7 -75.4
fwAVG=1.41
sdW=970.0
fwW=1.45
sdS=1193.4
fwS=1.41
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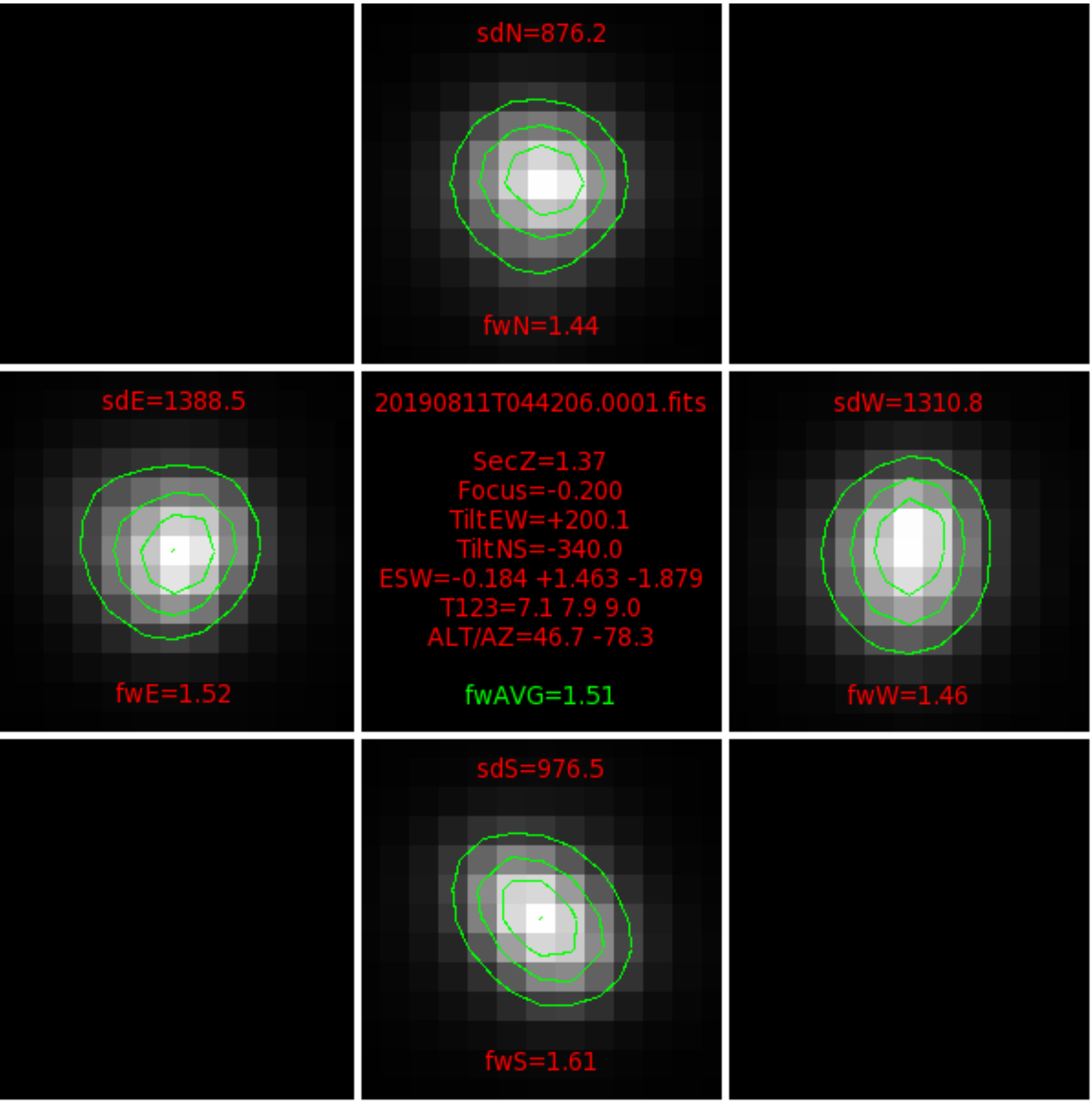
sdN=876.2
fwN=1.44
sdE=1388.5
fwE=1.52
20190811T044206.0001.fits
SecZ=1.37
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.1 7.9 9.0
ALT/AZ=46.7 -78.3
fwAVG=1.51
sdW=1310.8
fwW=1.46
sdS=976.5
fwS=1.61
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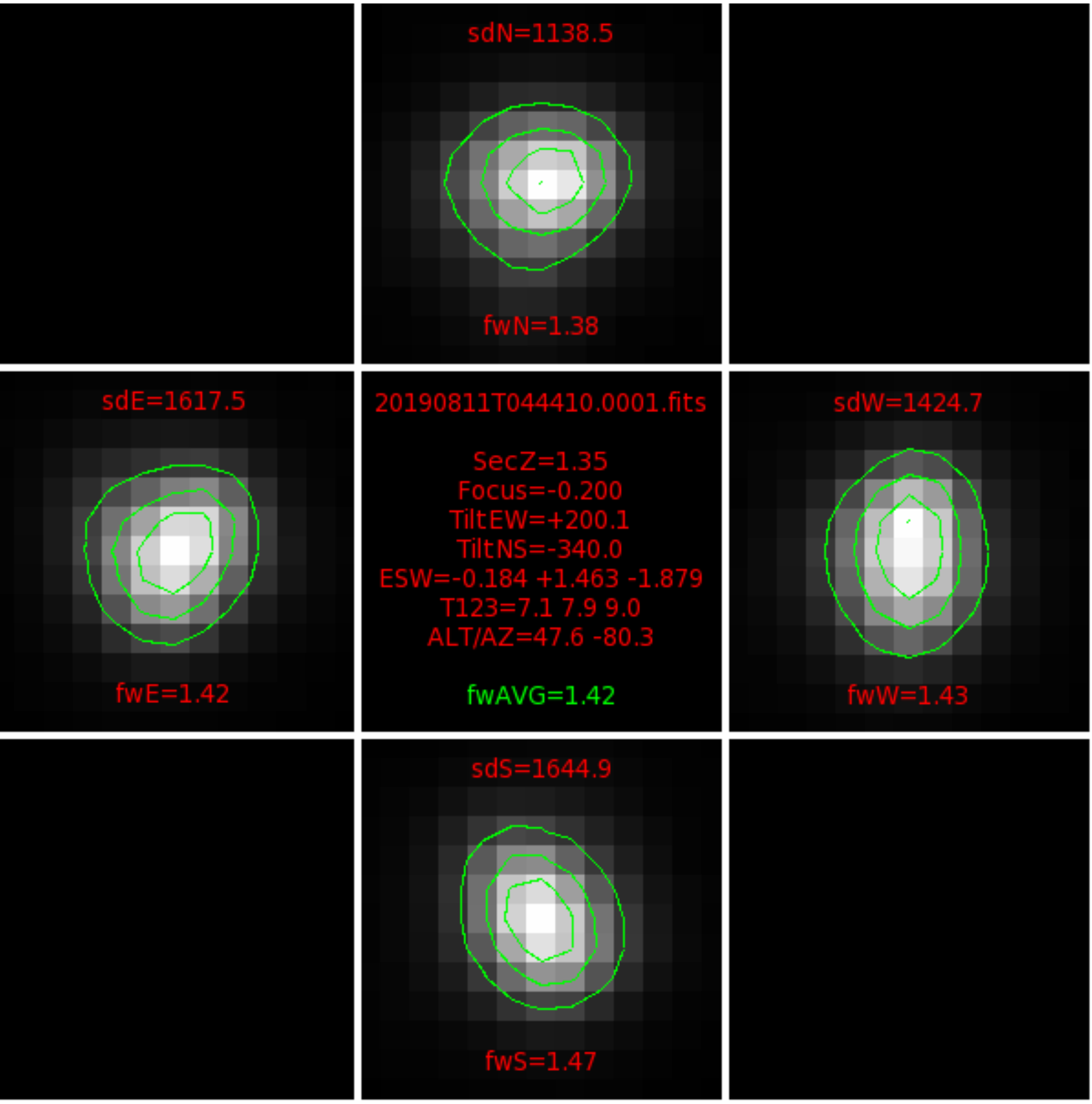
sdN=1138.5
fwN=1.38
sdE=1617.5
fwE=1.42
20190811T044410.0001.fits
SecZ=1.35
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.1 7.9 9.0
ALT/AZ=47.6 -80.3
fwAVG=1.42
sdW=1424.7
fwW=1.43
sdS=1644.9
fwS=1.47
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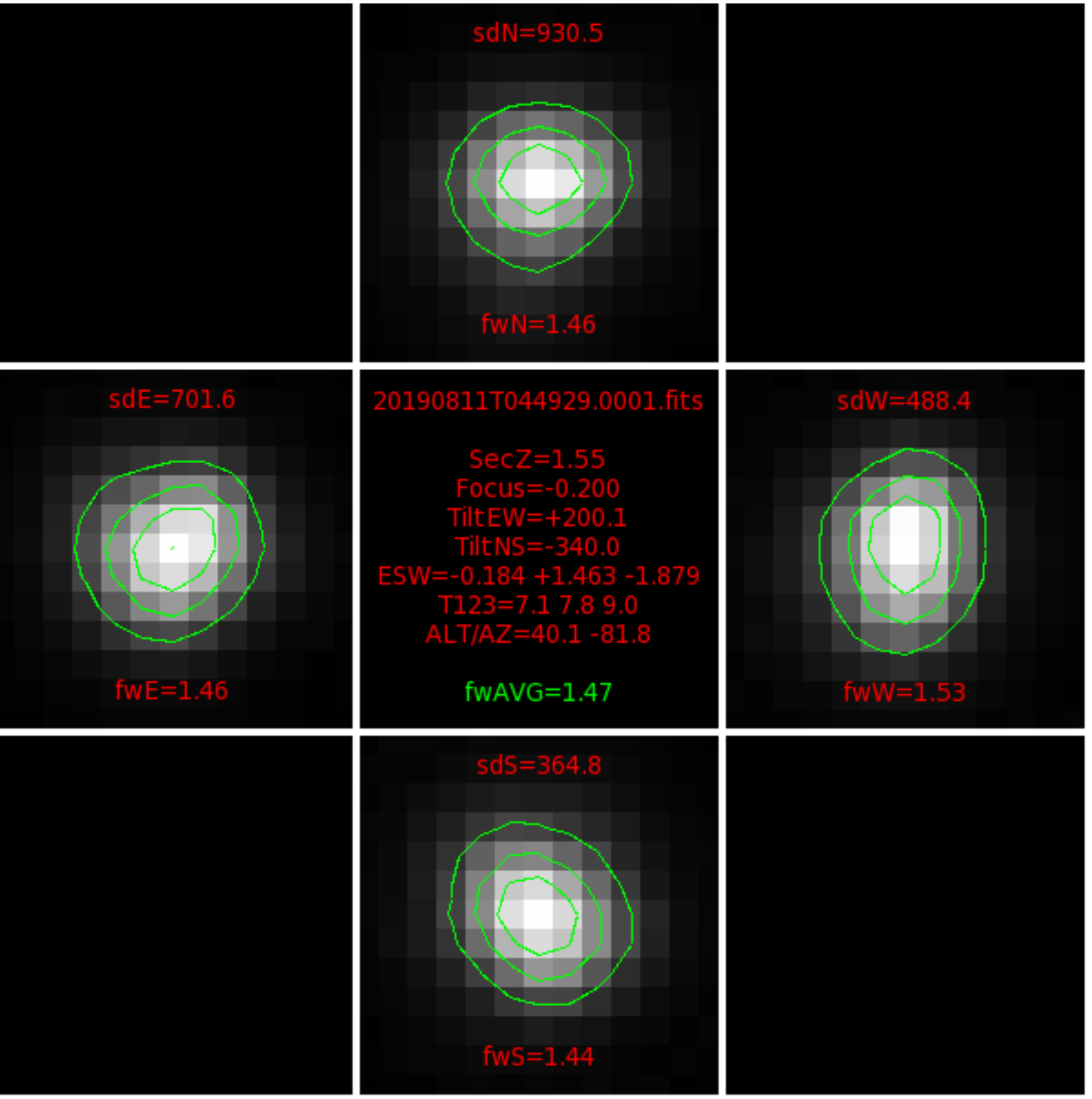
sdN=930.5
fwN=1.46
sdE=701.6
fwE=1.46
20190811T044929.0001.fits
SecZ=1.55
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.1 7.8 9.0
ALT/AZ=40.1 -81.8
fwAVG=1.47
sdW=488.4
fwW=1.53
sdS=364.8
fwS=1.44
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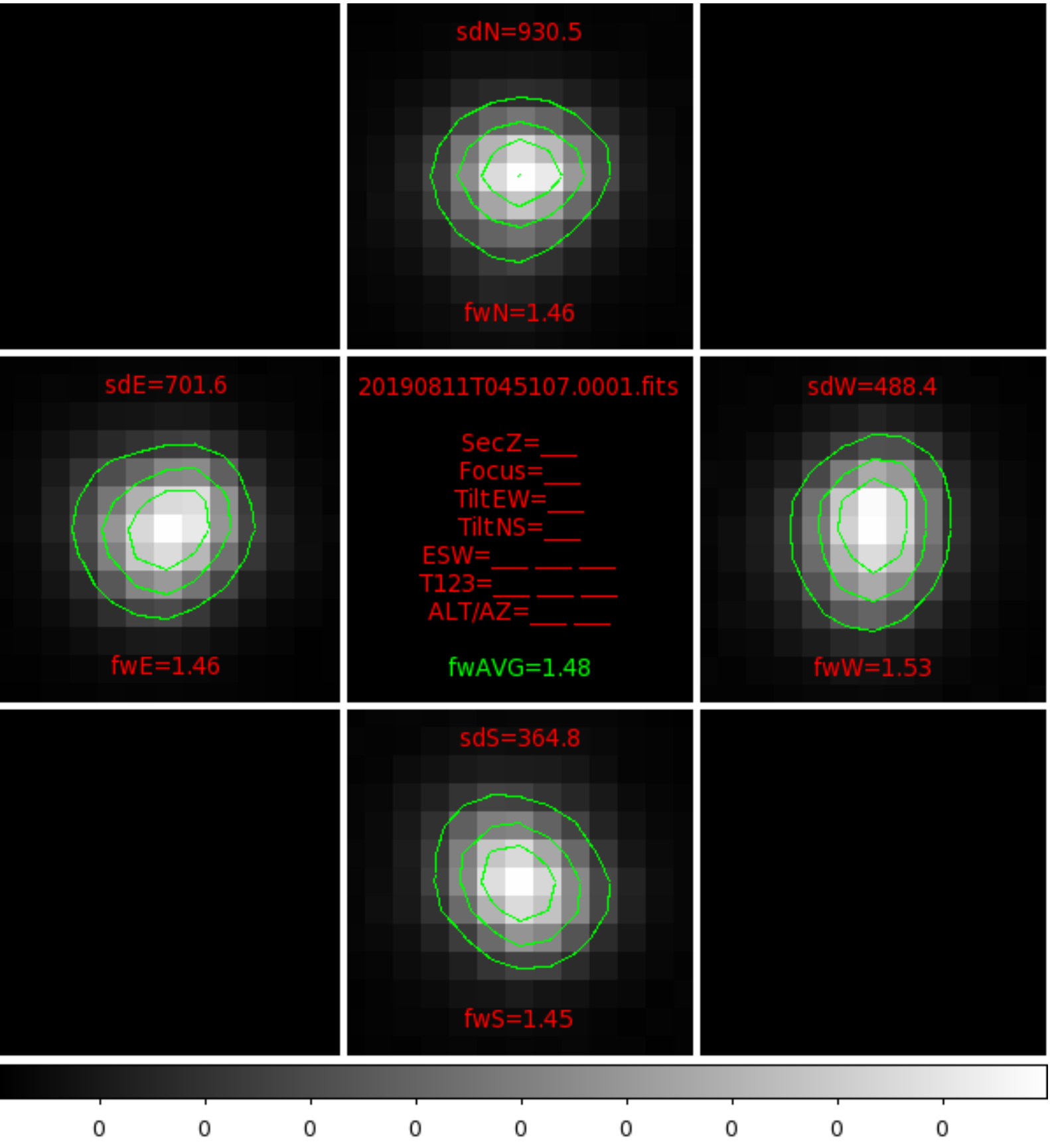
sdN=930.5
fwN=1.46
sdE=701.6
fwE=1.46
20190811T045107.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
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sdW=488.4
fwW=1.53
sdS=364.8
fwS=1.45
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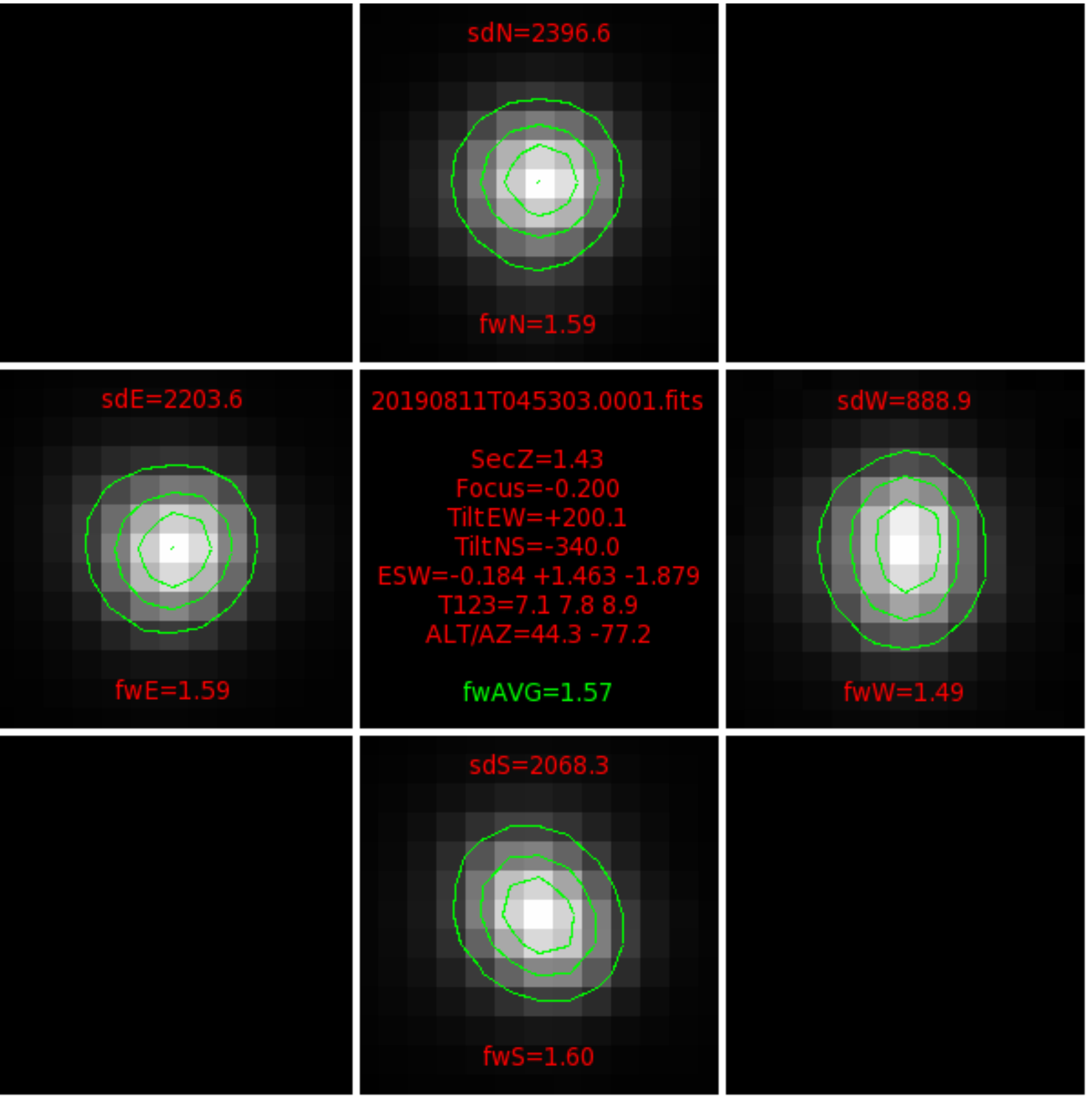
sdN=2396.6
fwN=1.59
sdE=2203.6
fwE=1.59
20190811T045303.0001.fits
SecZ=1.43
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.1 7.8 8.9
ALT/AZ=44.3 -77.2
fwAVG=1.57
sdW=888.9
fwW=1.49
sdS=2068.3
fwS=1.60
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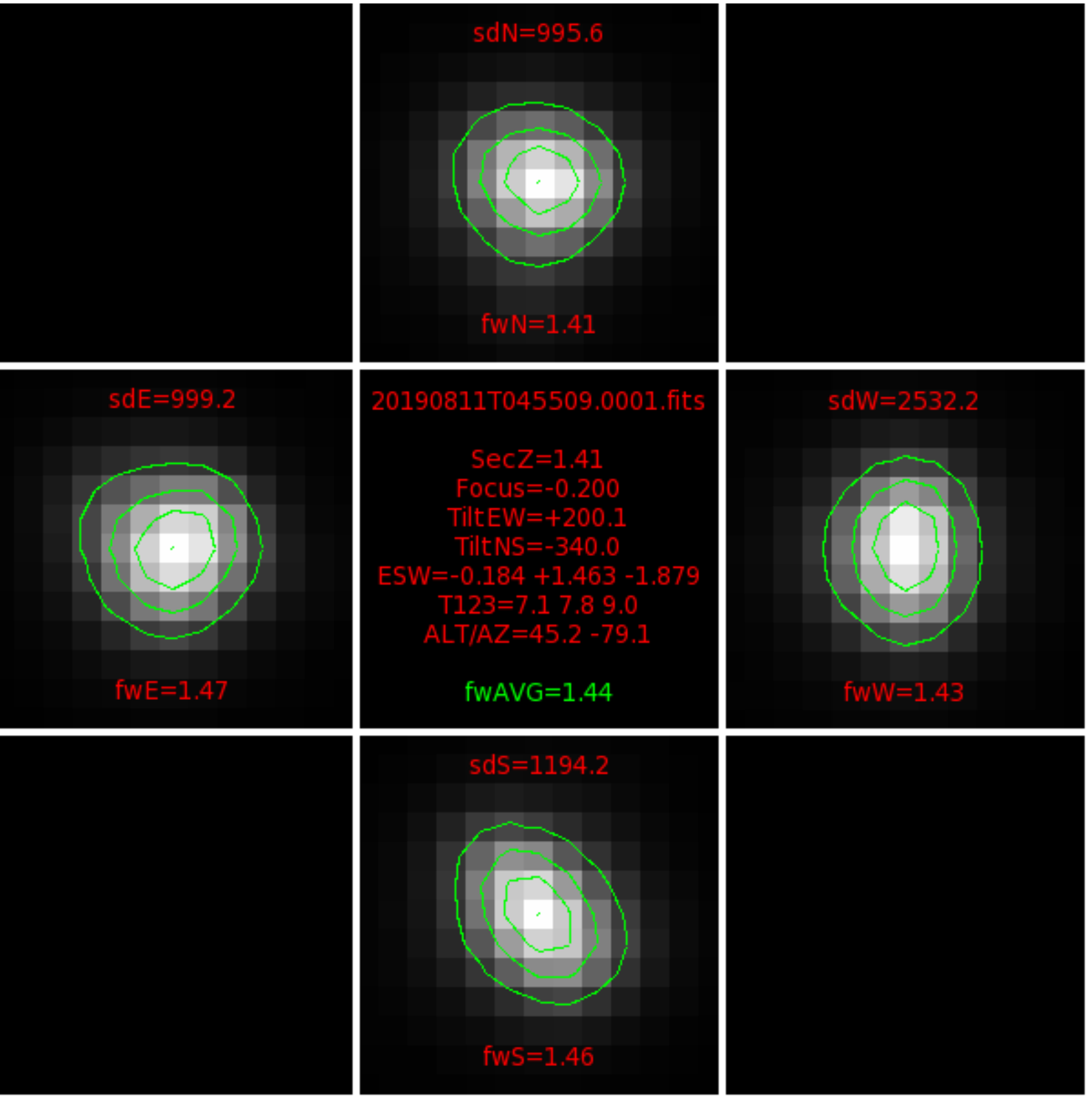
sdN=995.6
fwN=1.41
sdE=999.2
fwE=1.47
20190811T045509.0001.fits
SecZ=1.41
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.1 7.8 9.0
ALT/AZ=45.2 -79.1
fwAVG=1.44
sdW=2532.2
fwW=1.43
sdS=1194.2
fwS=1.46
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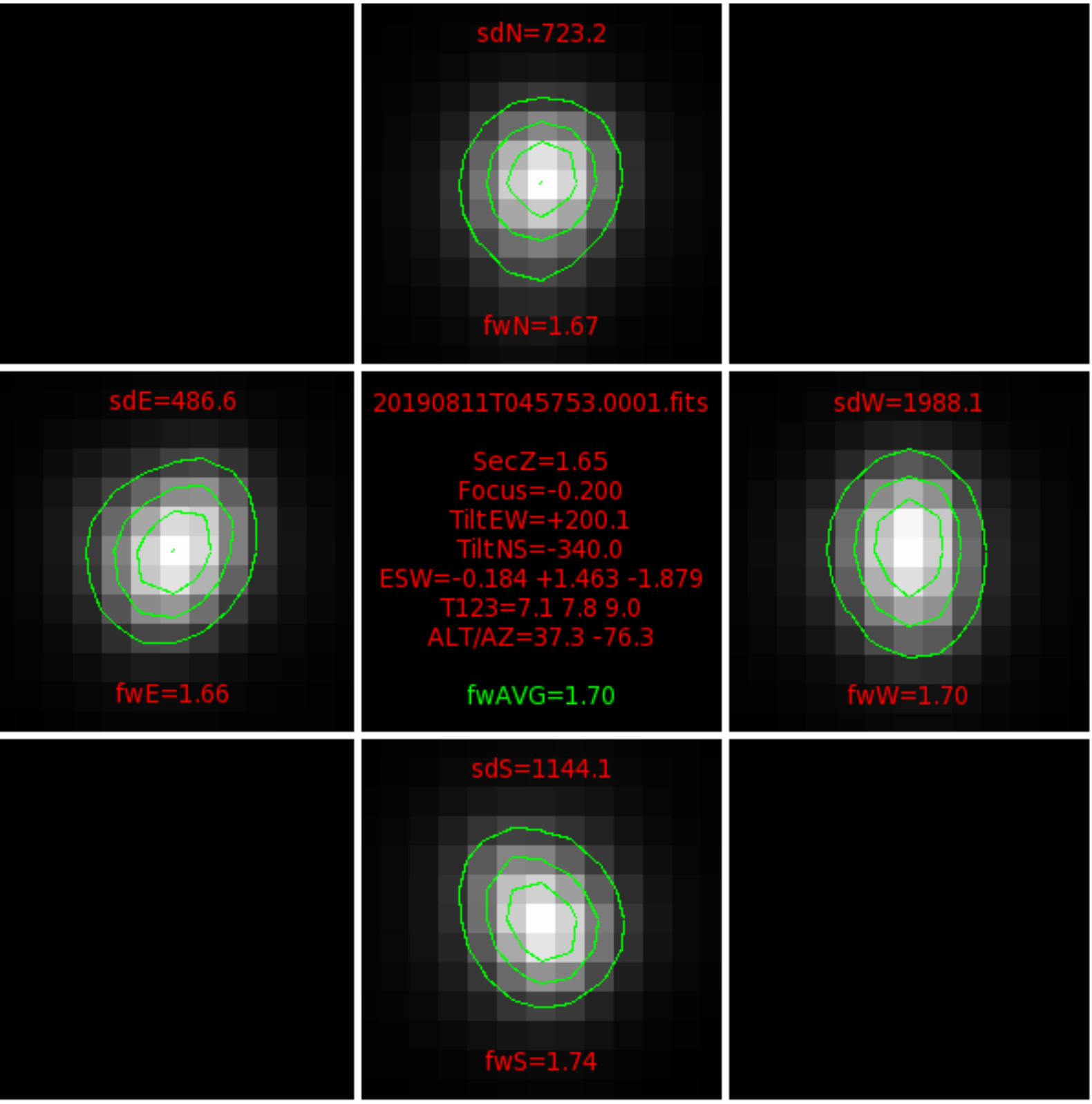
sdN=723.2
fwN=1.67
sdE=486.6
fwE=1.66
20190811T045753.0001.fits
SecZ=1.65
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.1 7.8 9.0
ALT/AZ=37.3 -76.3
fwAVG=1.70
sdW=1988.1
fwW=1.70
sdS=1144.1
fwS=1.74
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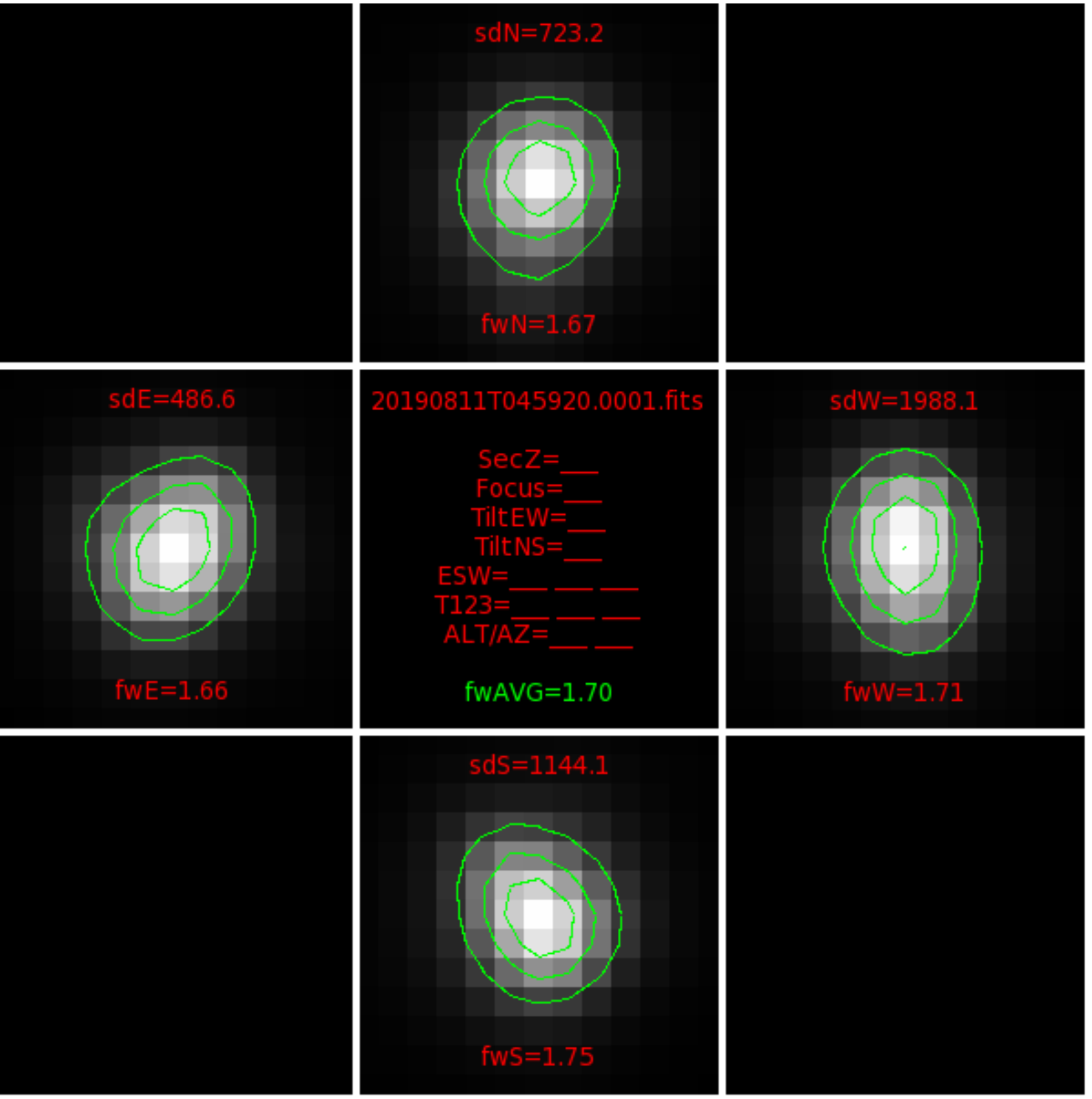
sdN=723.2
fwN=1.67
sdE=486.6
fwE=1.66
20190811T045920.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.70
sdW=1988.1
fwW=1.71
sdS=1144.1
fwS=1.75
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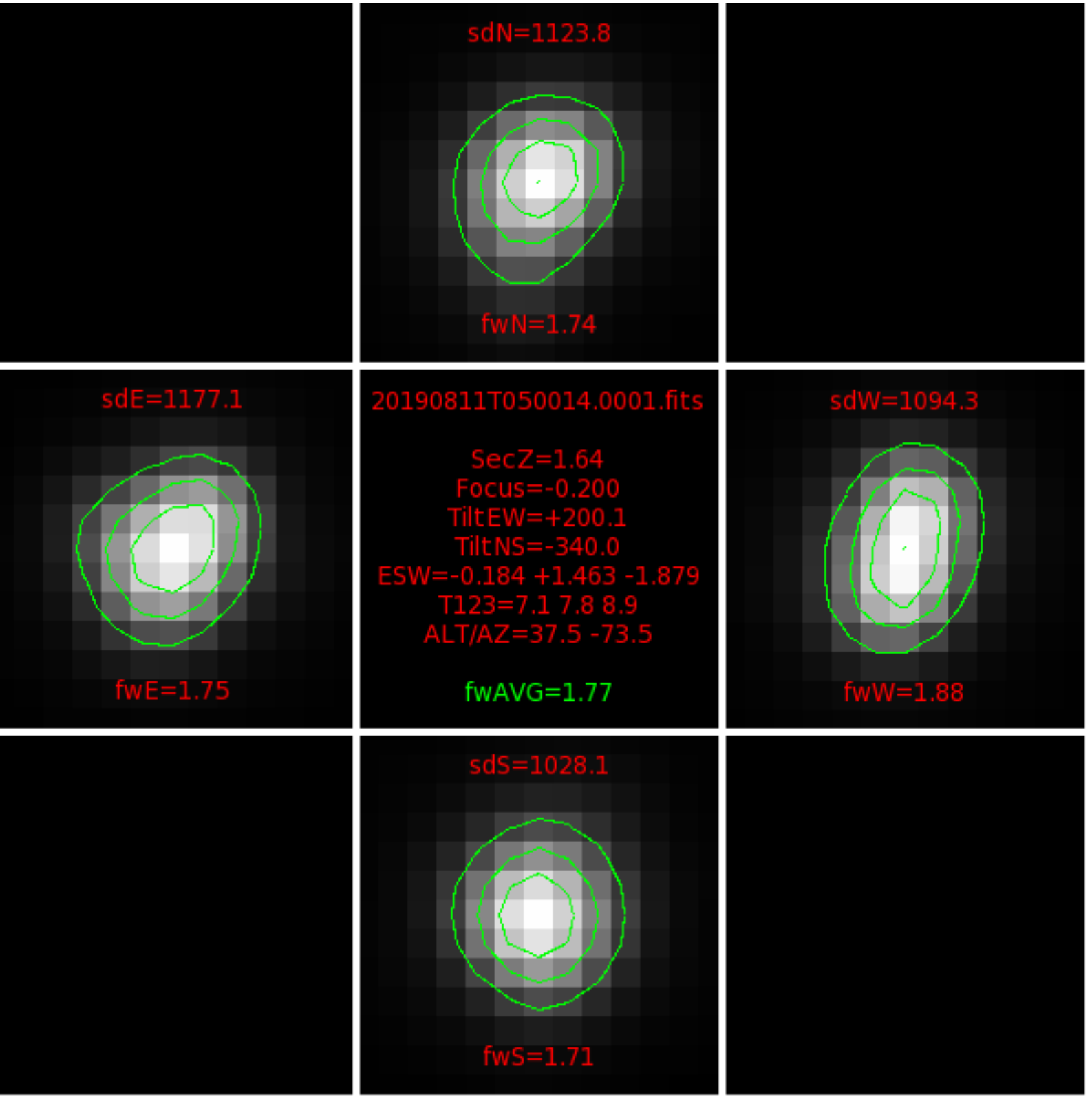
sdN=1123.8
fwN=1.74
sdE=1177.1
fwE=1.75
20190811T050014.0001.fits
SecZ=1.64
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.1 7.8 8.9
ALT/AZ=37.5 -73.5
fwAVG=1.77
sdW=1094.3
fwW=1.88
sdS=1028.1
fwS=1.71
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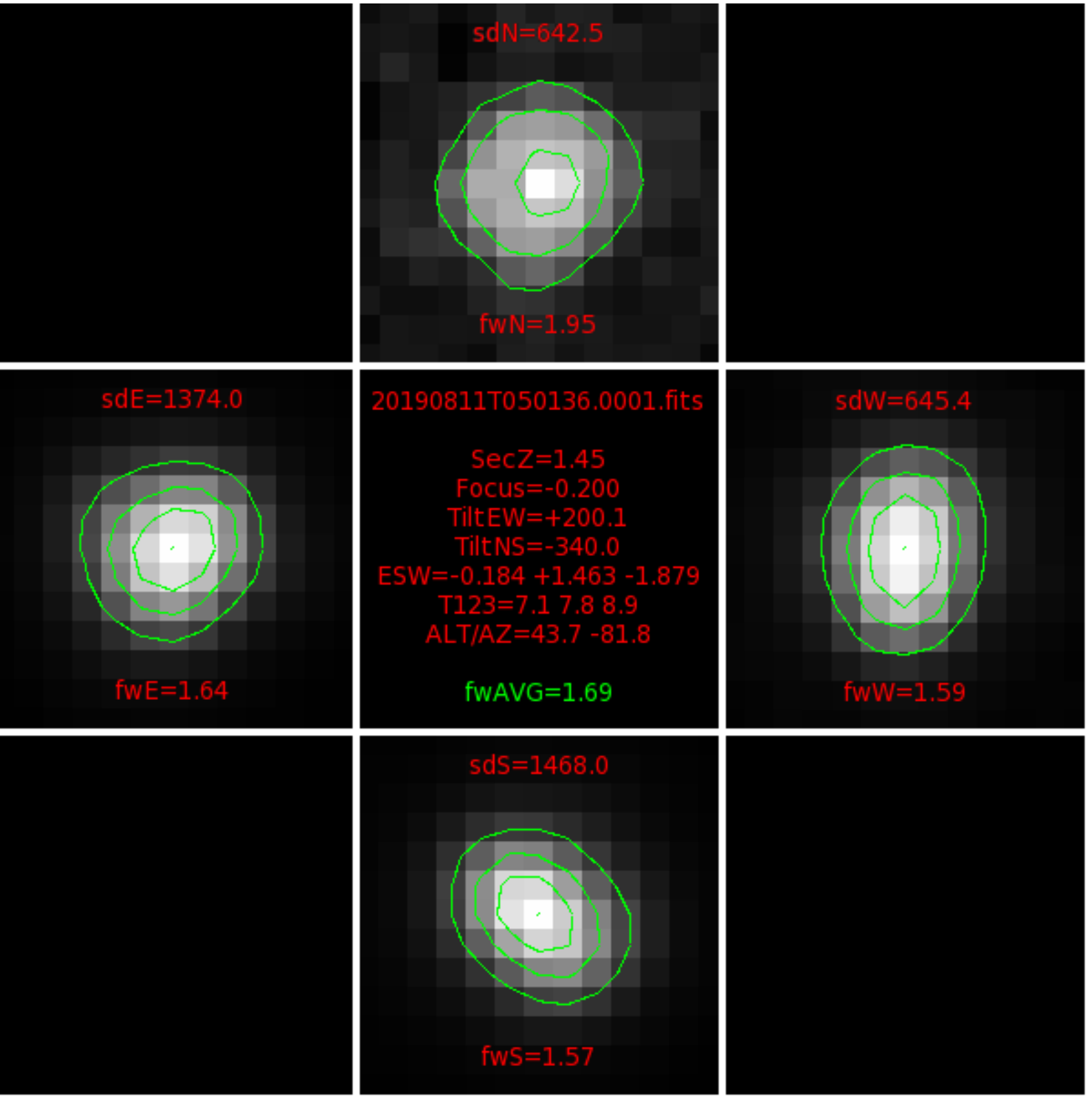
sdN=642.5
fwN=1.95
sdE=1374.0
fwE=1.64
20190811T050136.0001.fits
SecZ=1.45
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.1 7.8 8.9
ALT/AZ=43.7 -81.8
fwAVG=1.69
sdW=645.4
fwW=1.59
sdS=1468.0
fwS=1.57
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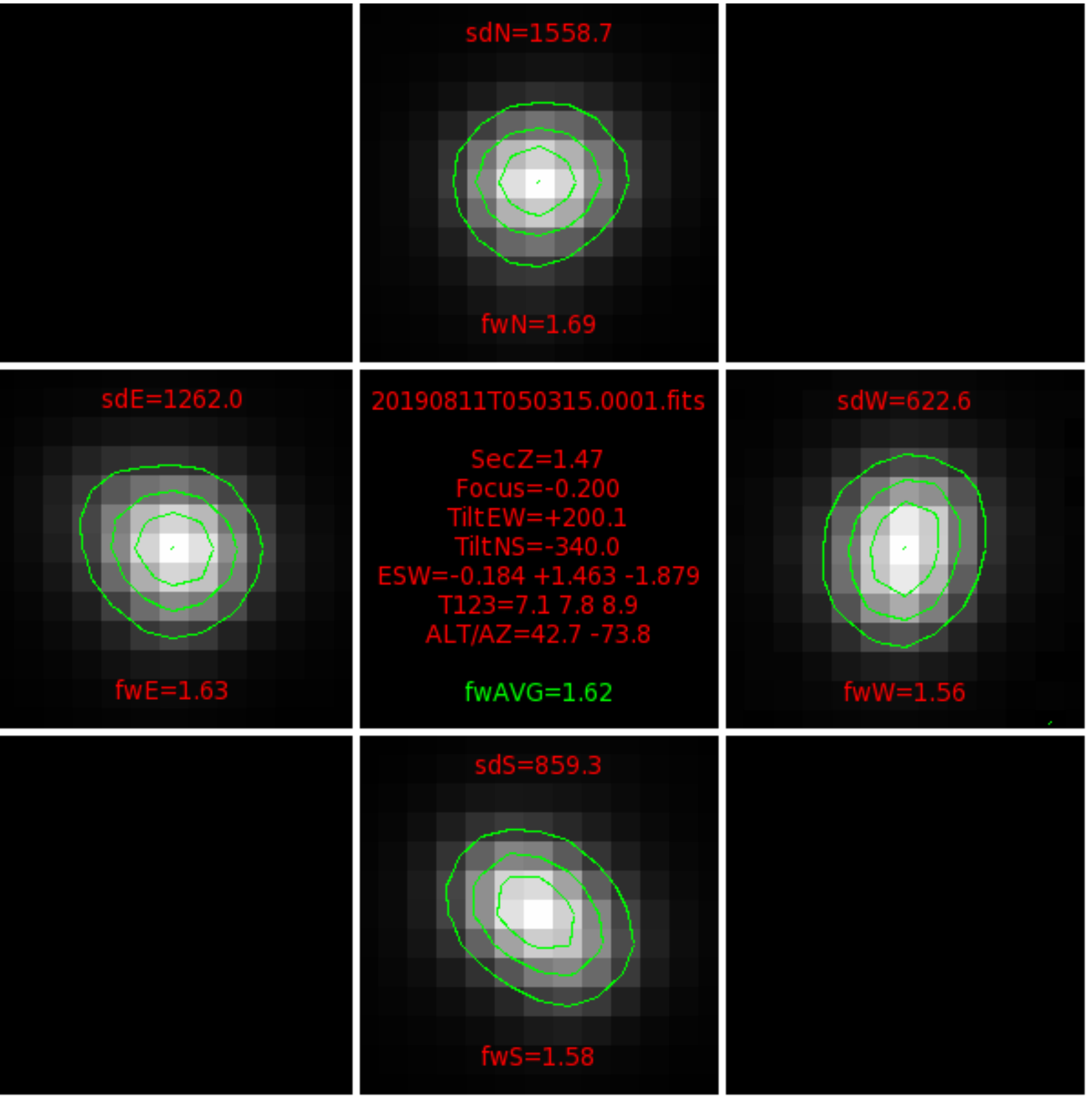
sdN=1558.7
fwN=1.69
sdE=1262.0
fwE=1.63
20190811T050315.0001.fits
SecZ=1.47
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.1 7.8 8.9
ALT/AZ=42.7 -73.8
fwAVG=1.62
sdW=622.6
fwW=1.56
sdS=859.3
fwS=1.58
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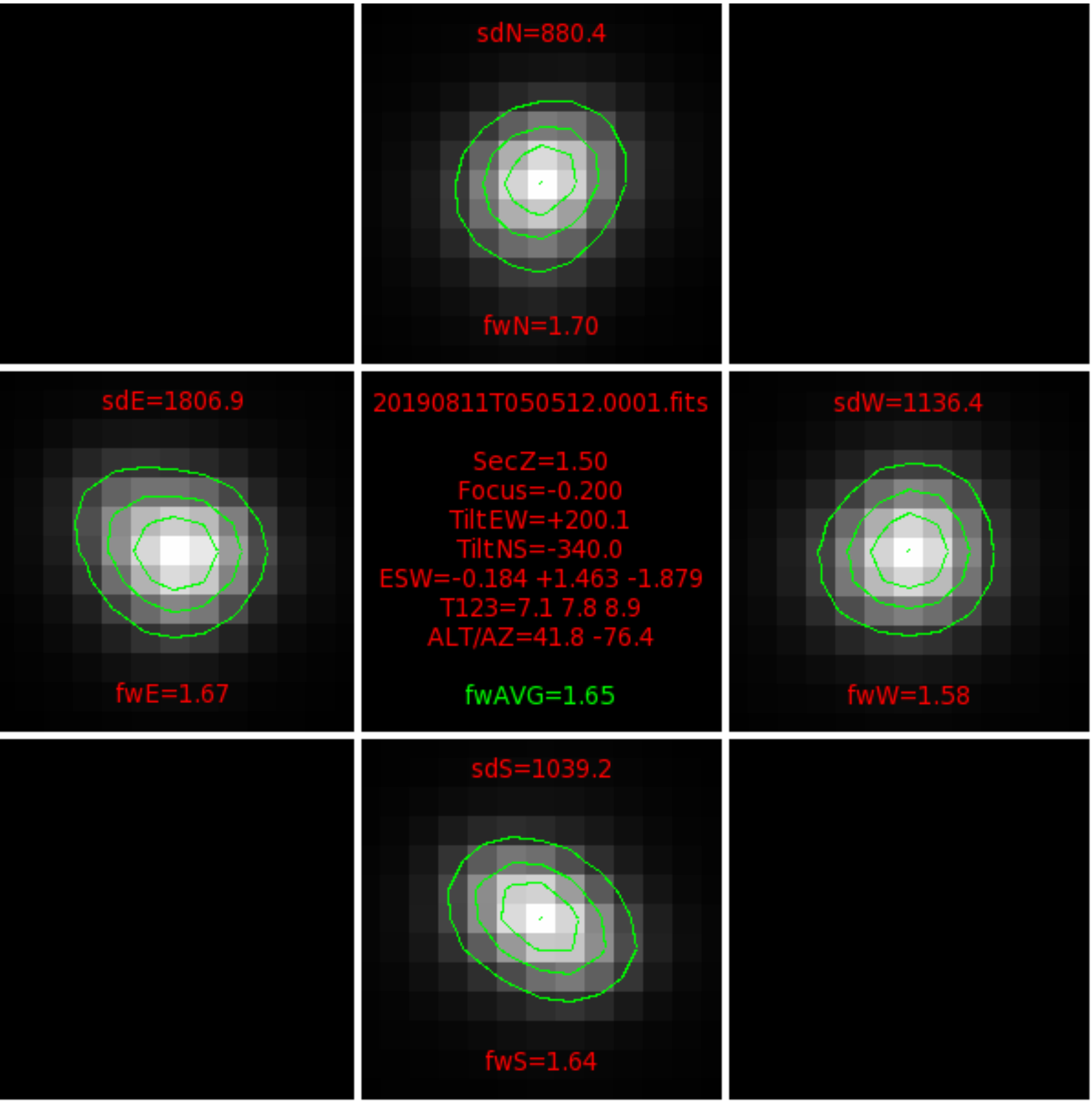
sdN=880.4
fwN=1.70
sdE=1806.9
fwE=1.67
20190811T050512.0001.fits
SecZ=1.50
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.1 7.8 8.9
ALT/AZ=41.8 -76.4
fwAVG=1.65
sdW=1136.4
fwW=1.58
sdS=1039.2
fwS=1.64
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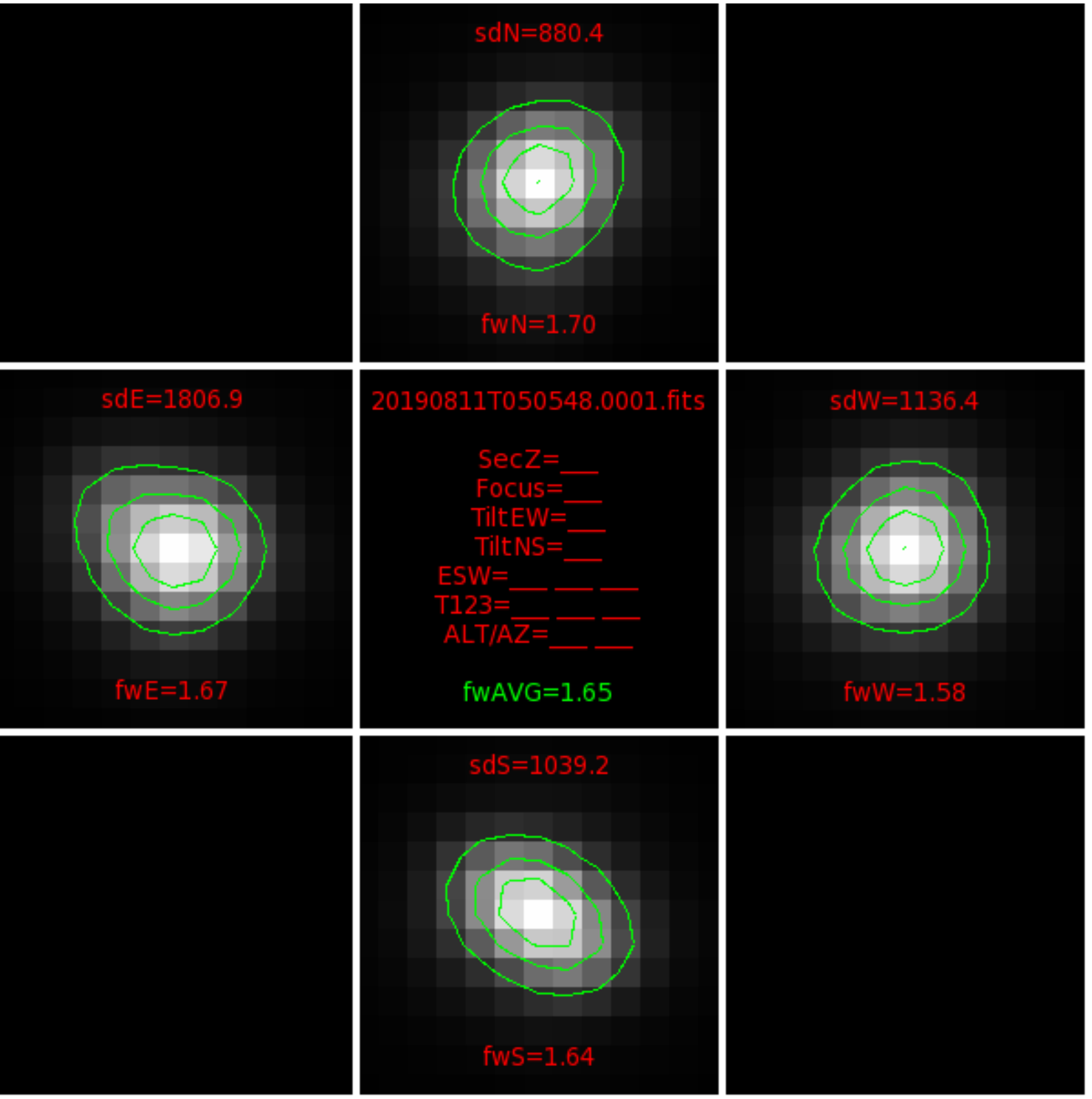
sdN=880.4
fwN=1.70
sdE=1806.9
fwE=1.67
20190811T050548.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.65
sdW=1136.4
fwW=1.58
sdS=1039.2
fwS=1.64
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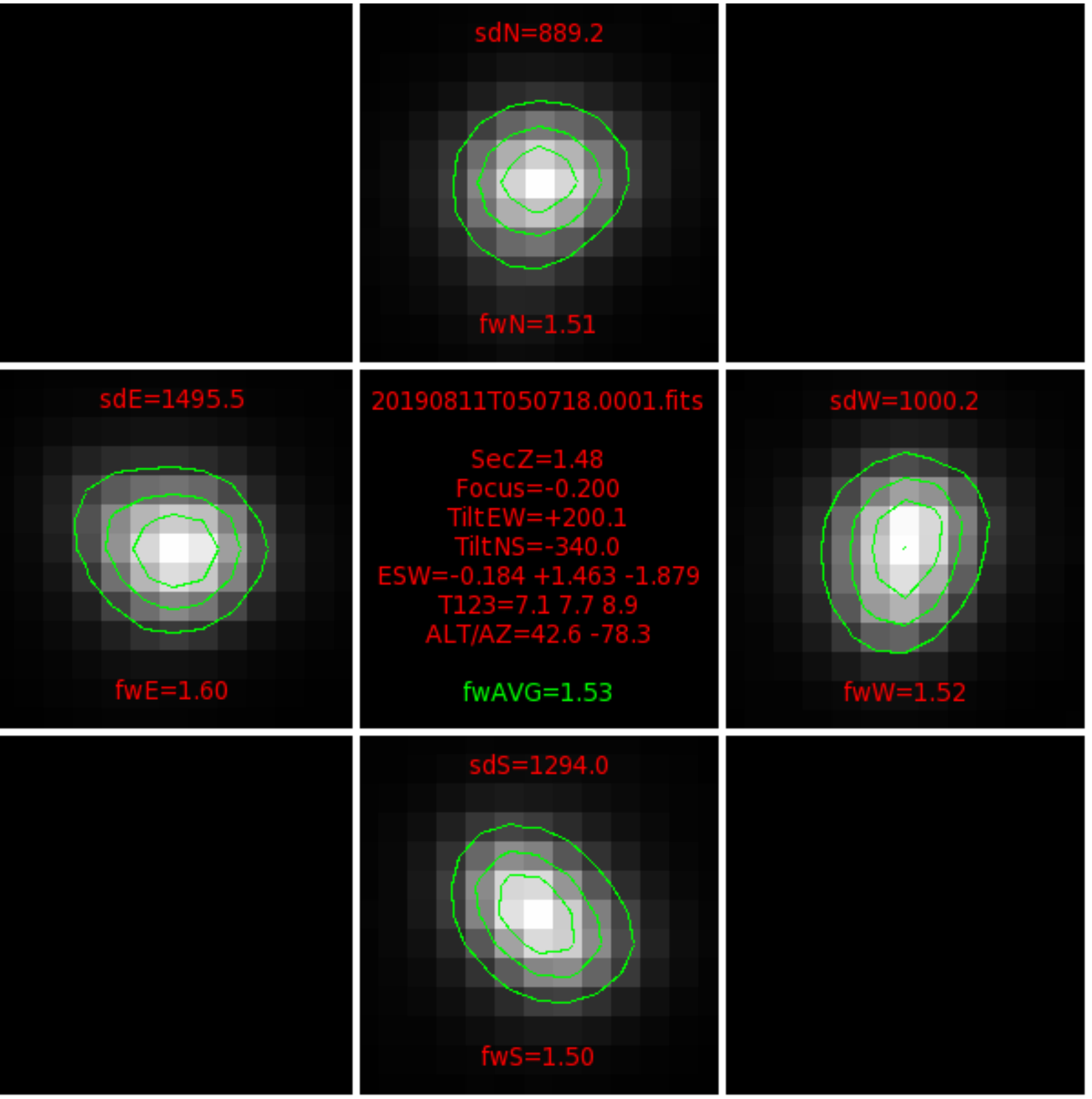
sdN=889.2
fwN=1.51
sdE=1495.5
fwE=1.60
20190811T050718.0001.fits
SecZ=1.48
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.1 7.7 8.9
ALT/AZ=42.6 -78.3
fwAVG=1.53
sdW=1000.2
fwW=1.52
sdS=1294.0
fwS=1.50
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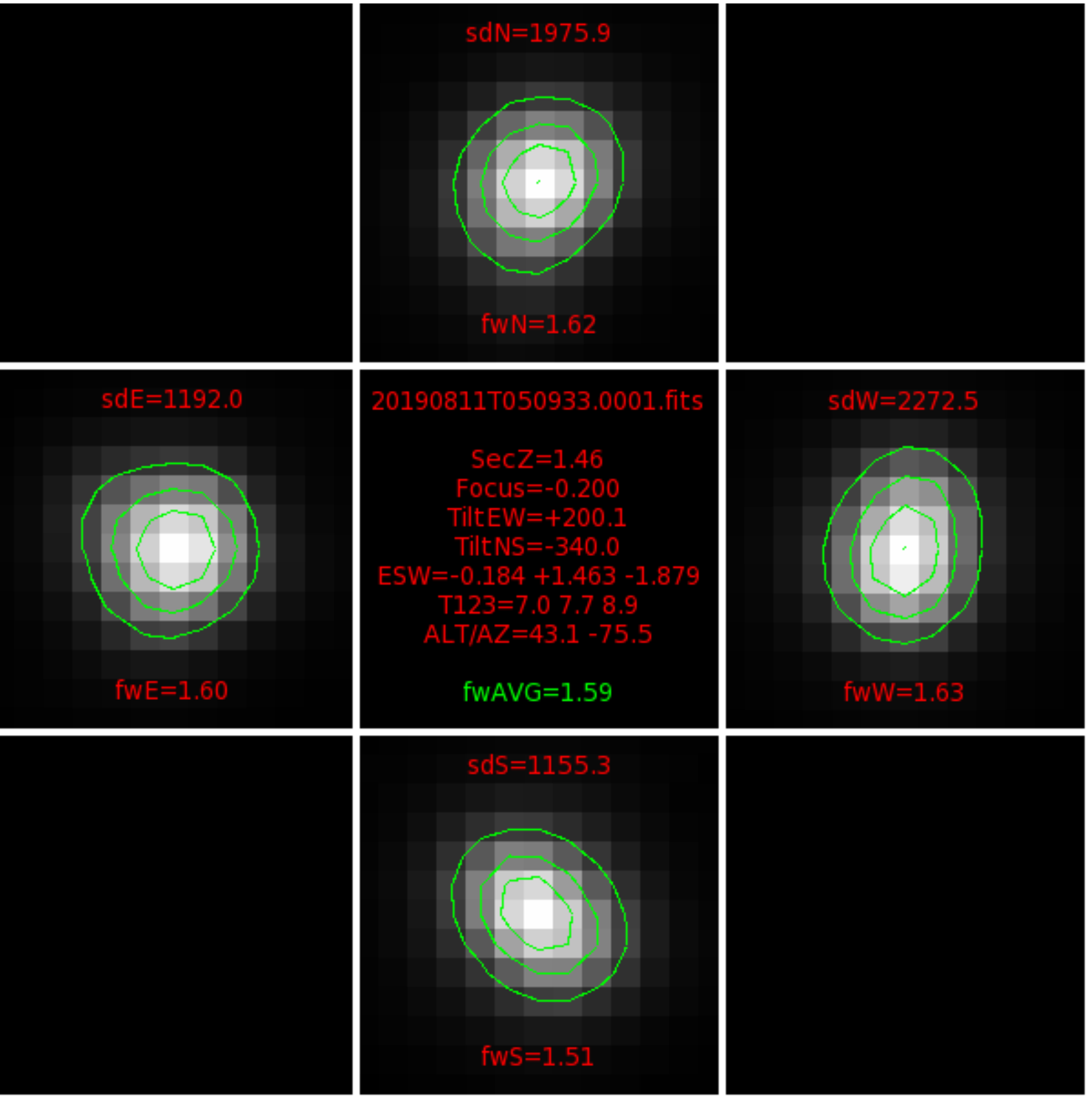
sdN=1975.9
fwN=1.62
sdE=1192.0
fwE=1.60
20190811T050933.0001.fits
SecZ=1.46
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.0 7.7 8.9
ALT/AZ=43.1 -75.5
fwAVG=1.59
sdW=2272.5
fwW=1.63
sdS=1155.3
fwS=1.51
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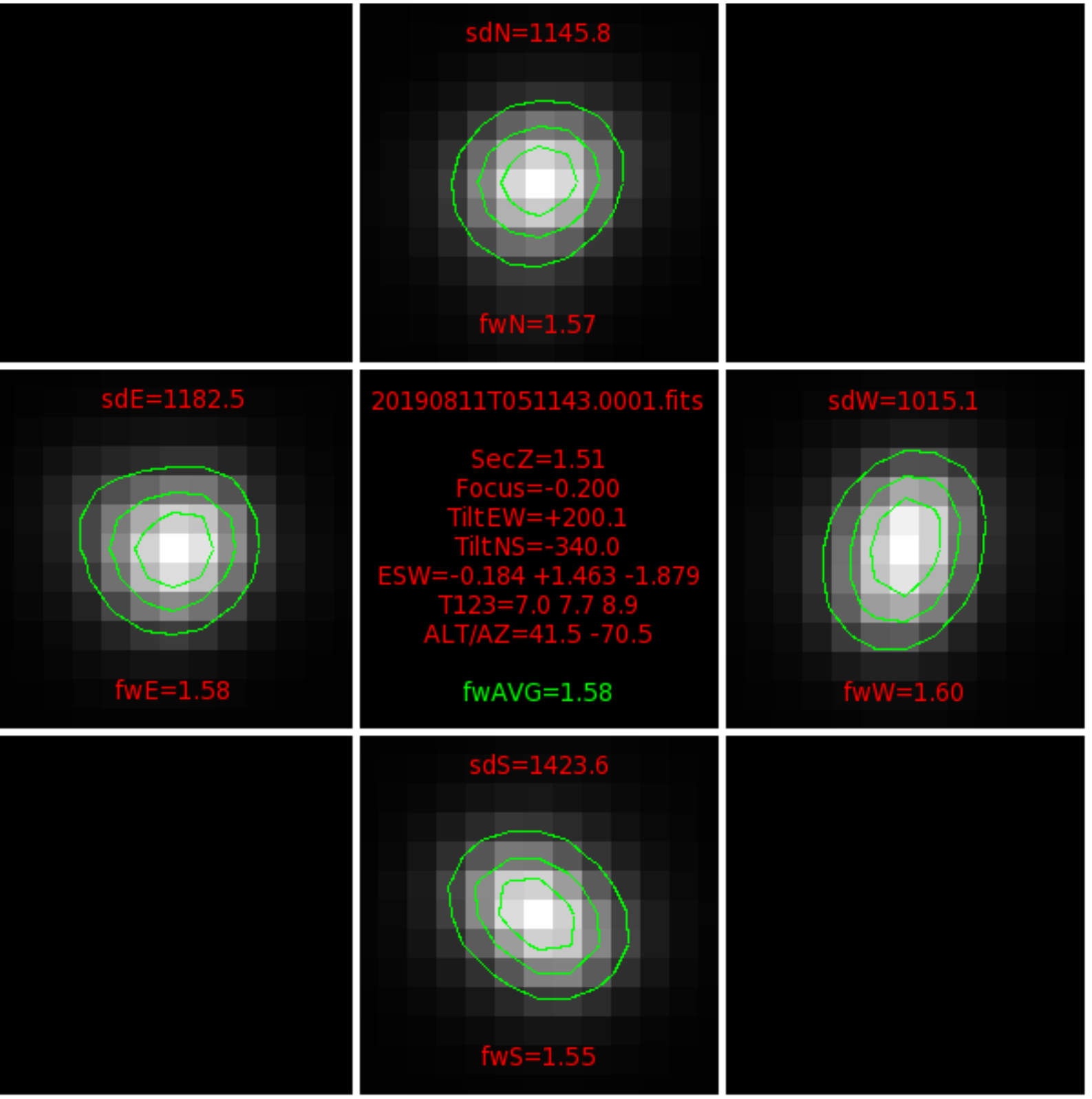
sdN=1145.8
fwN=1.57
sdE=1182.5
fwE=1.58
20190811T051143.0001.fits
SecZ=1.51
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=7.0 7.7 8.9
ALT/AZ=41.5 -70.5
fwAVG=1.58
sdW=1015.1
fwW=1.60
sdS=1423.6
fwS=1.55
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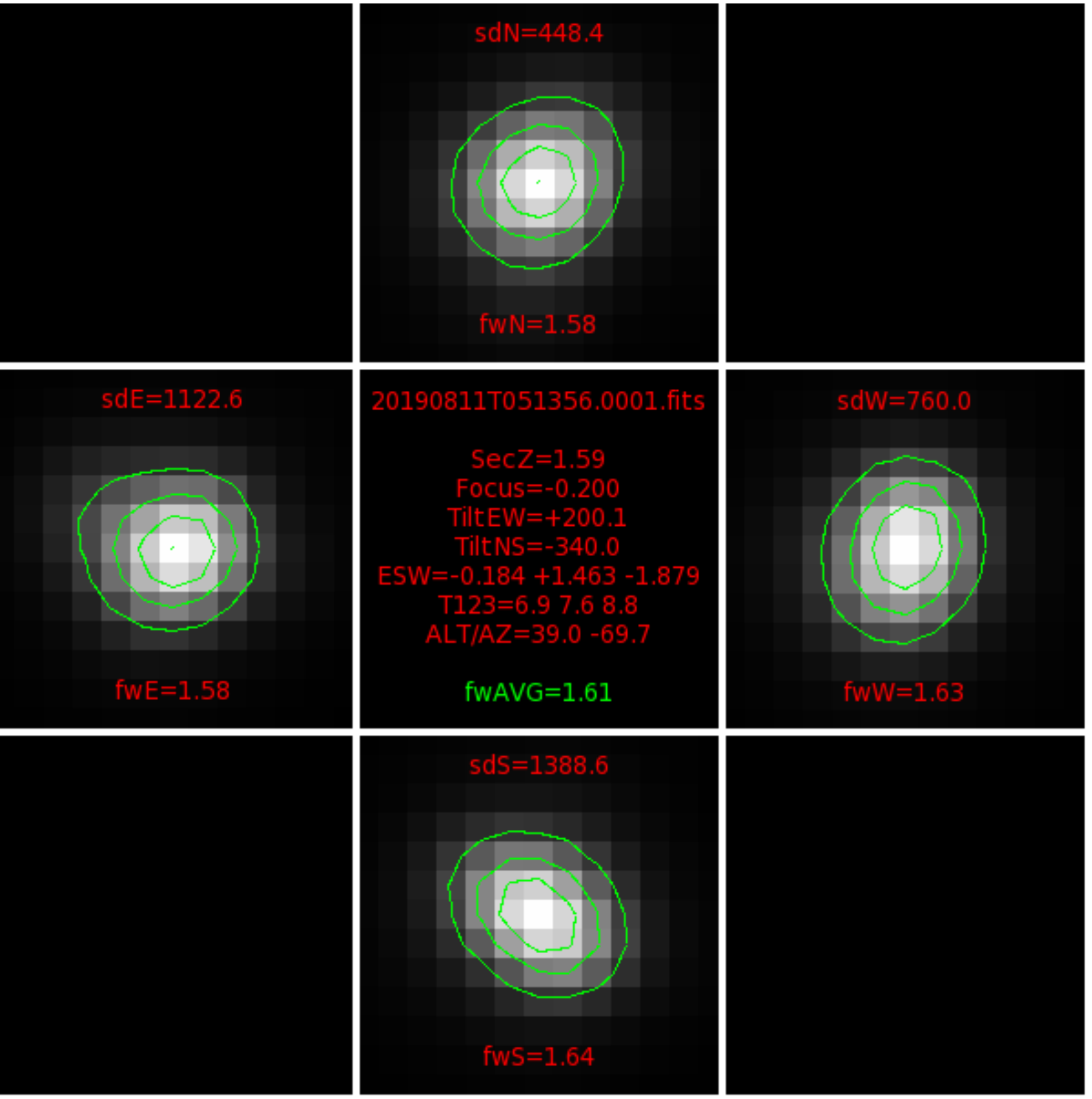
sdN=448.4
fwN=1.58
sdE=1122.6
fwE=1.58
20190811T051356.0001.fits
SecZ=1.59
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=6.9 7.6 8.8
ALT/AZ=39.0 -69.7
fwAVG=1.61
sdW=760.0
fwW=1.63
sdS=1388.6
fwS=1.64
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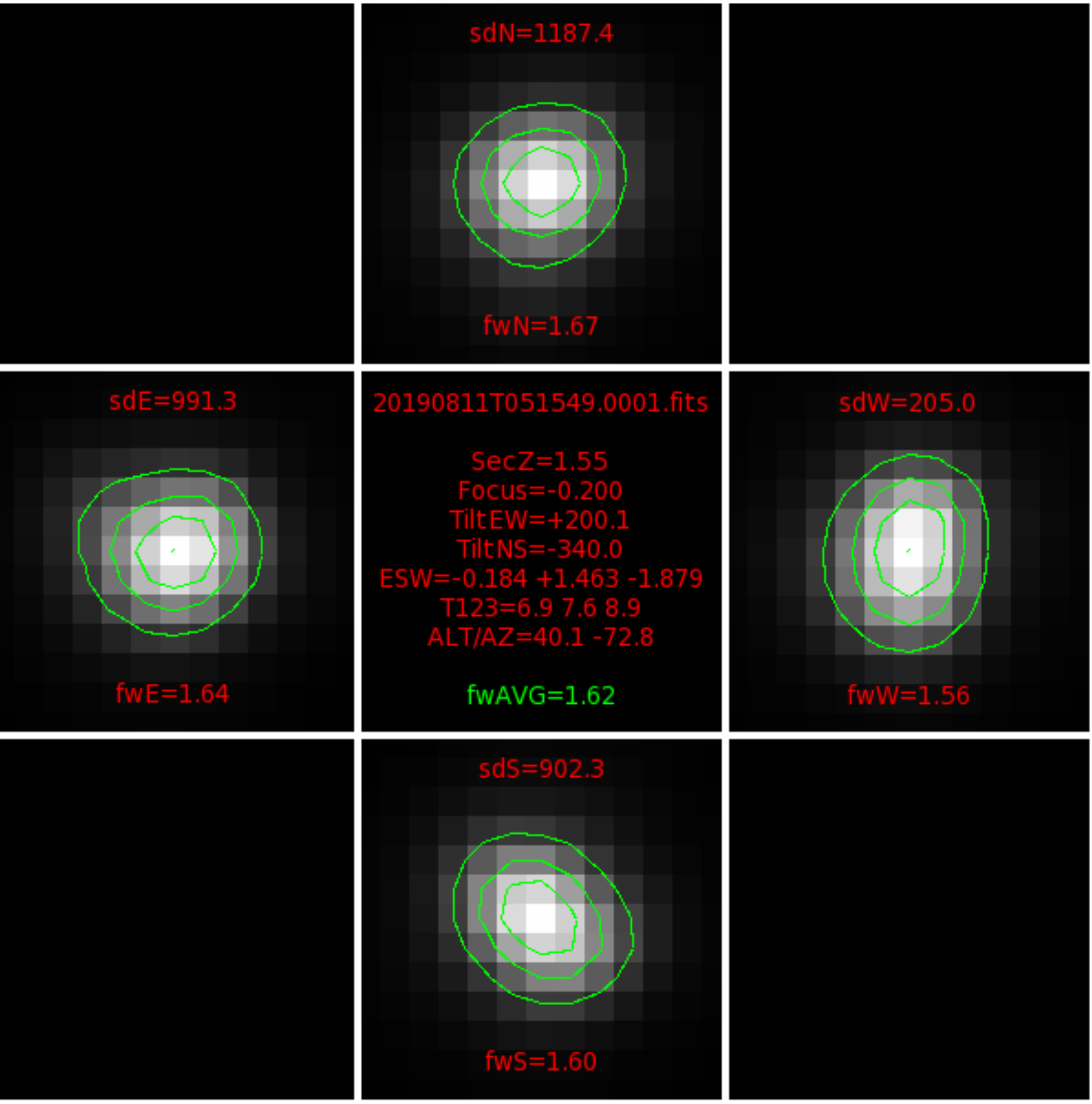
sdN=1187.4
fwN=1.67
sdE=991.3
fwE=1.64
20190811T051549.0001.fits
SecZ=1.55
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=6.9 7.6 8.9
ALT/AZ=40.1 -72.8
fwAVG=1.62
sdW=205.0
fwW=1.56
sdS=902.3
fwS=1.60
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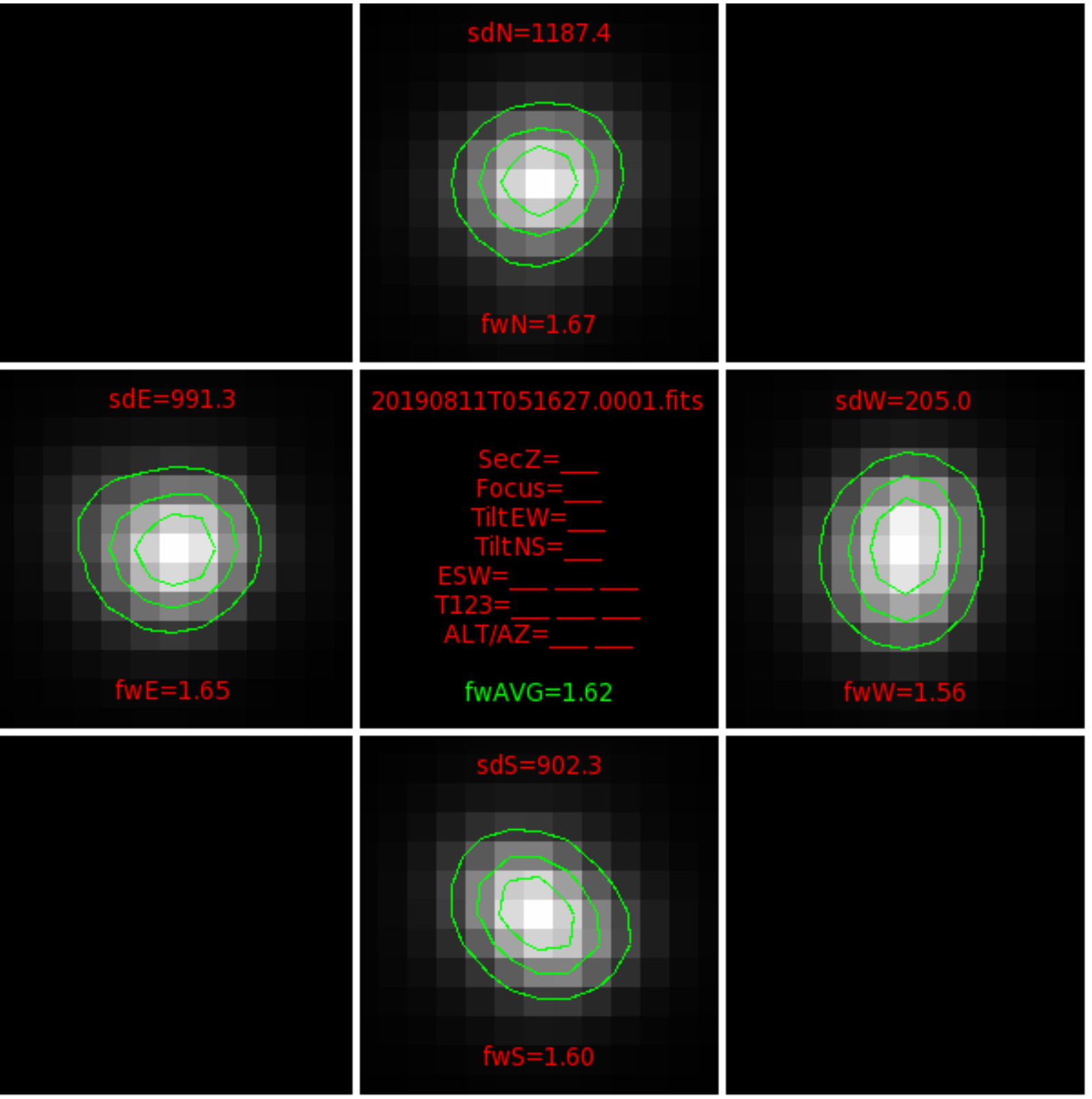
sdN=1187.4
fwN=1.67
sdE=991.3
fwE=1.65
20190811T051627.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.62
sdW=205.0
fwW=1.56
sdS=902.3
fwS=1.60
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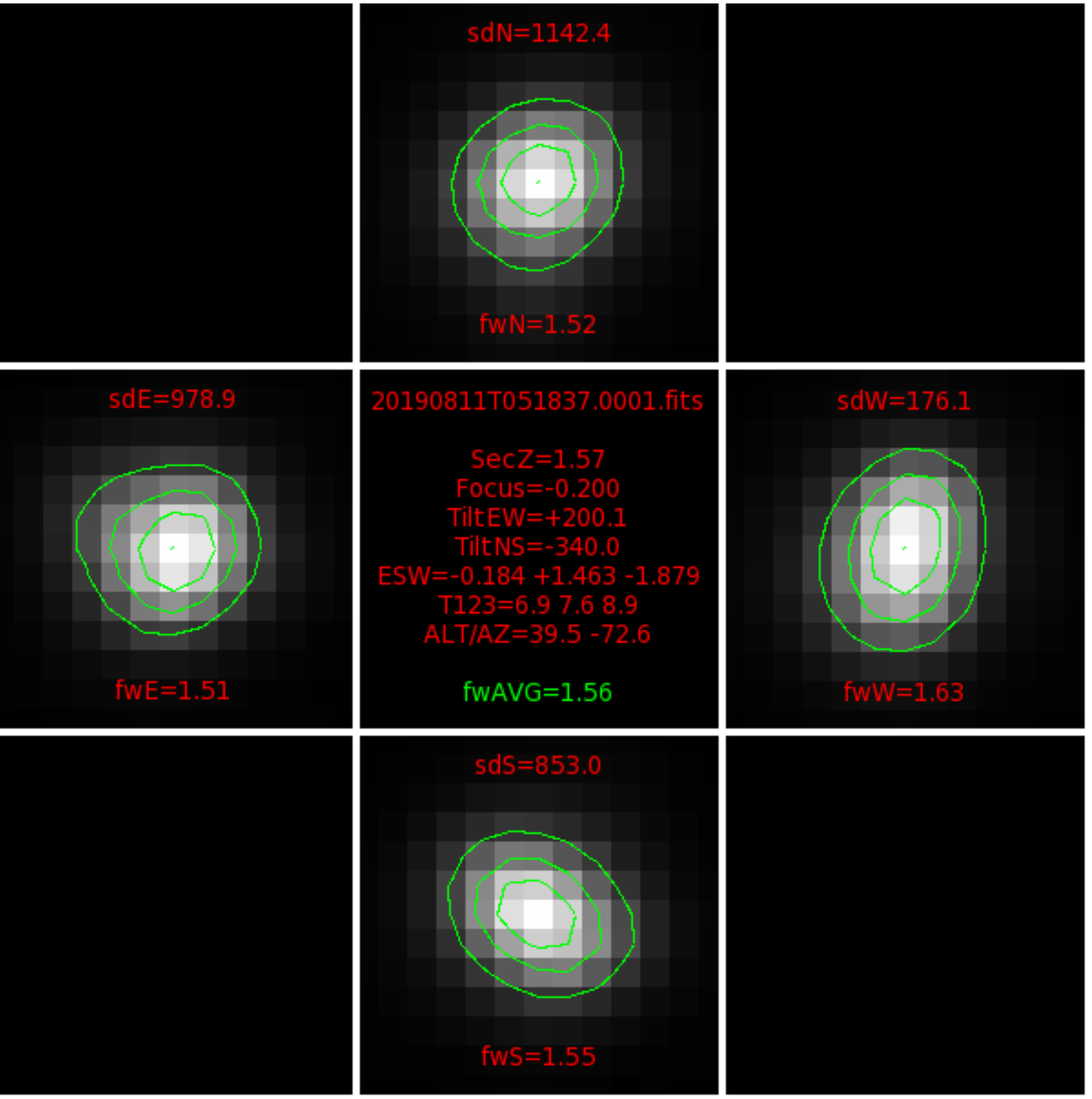
sdN=1142.4
fwN=1.52
sdE=978.9
fwE=1.51
20190811T051837.0001.fits
SecZ=1.57
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=6.9 7.6 8.9
ALT/AZ=39.5 -72.6
fwAVG=1.56
sdW=176.1
fwW=1.63
sdS=853.0
fwS=1.55
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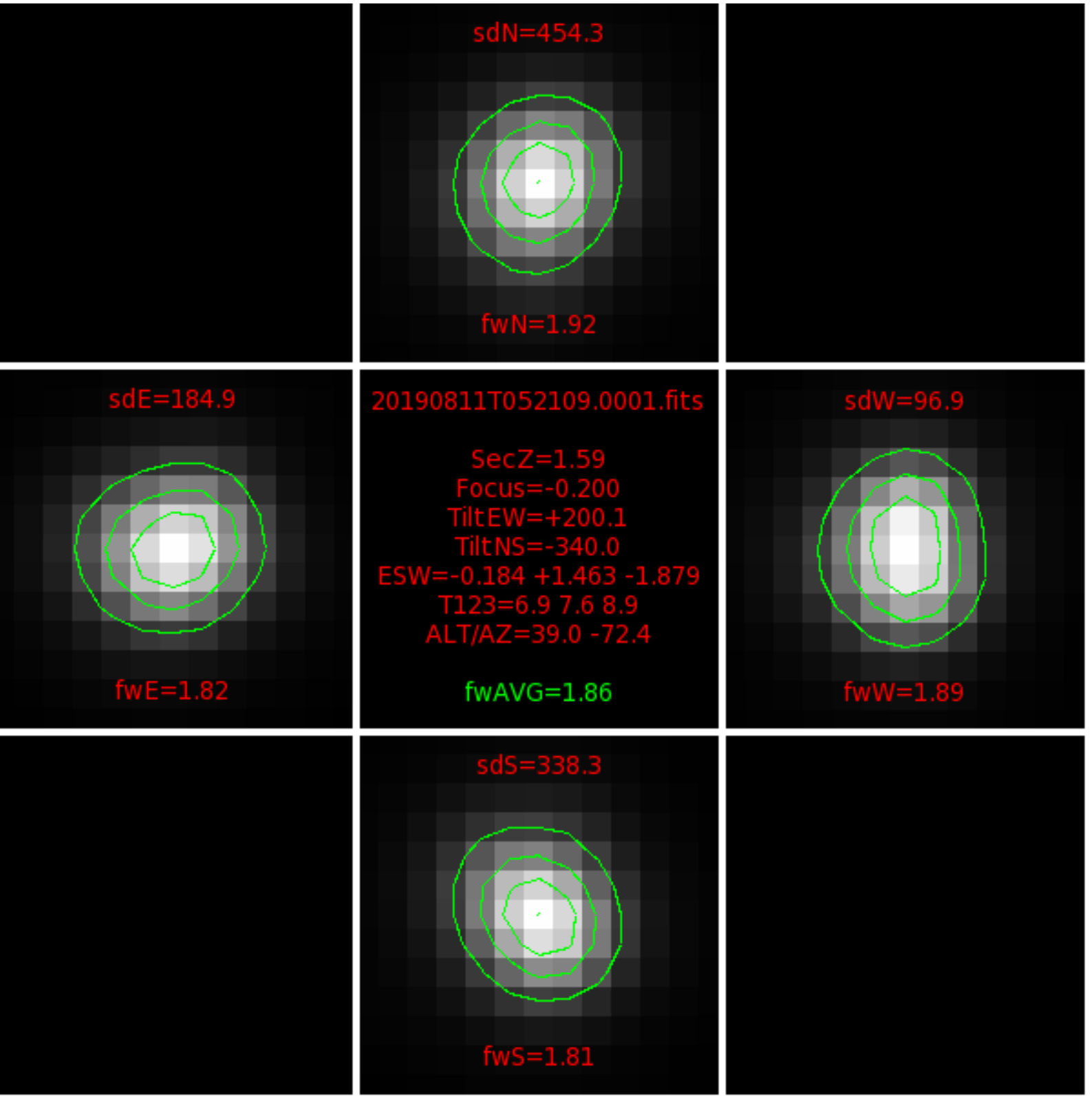
sdN=454.3
fwN=1.92
sdE=184.9
fwE=1.82
20190811T052109.0001.fits
SecZ=1.59
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=6.9 7.6 8.9
ALT/AZ=39.0 -72.4
fwAVG=1.86
sdW=96.9
fwW=1.89
sdS=338.3
fwS=1.81
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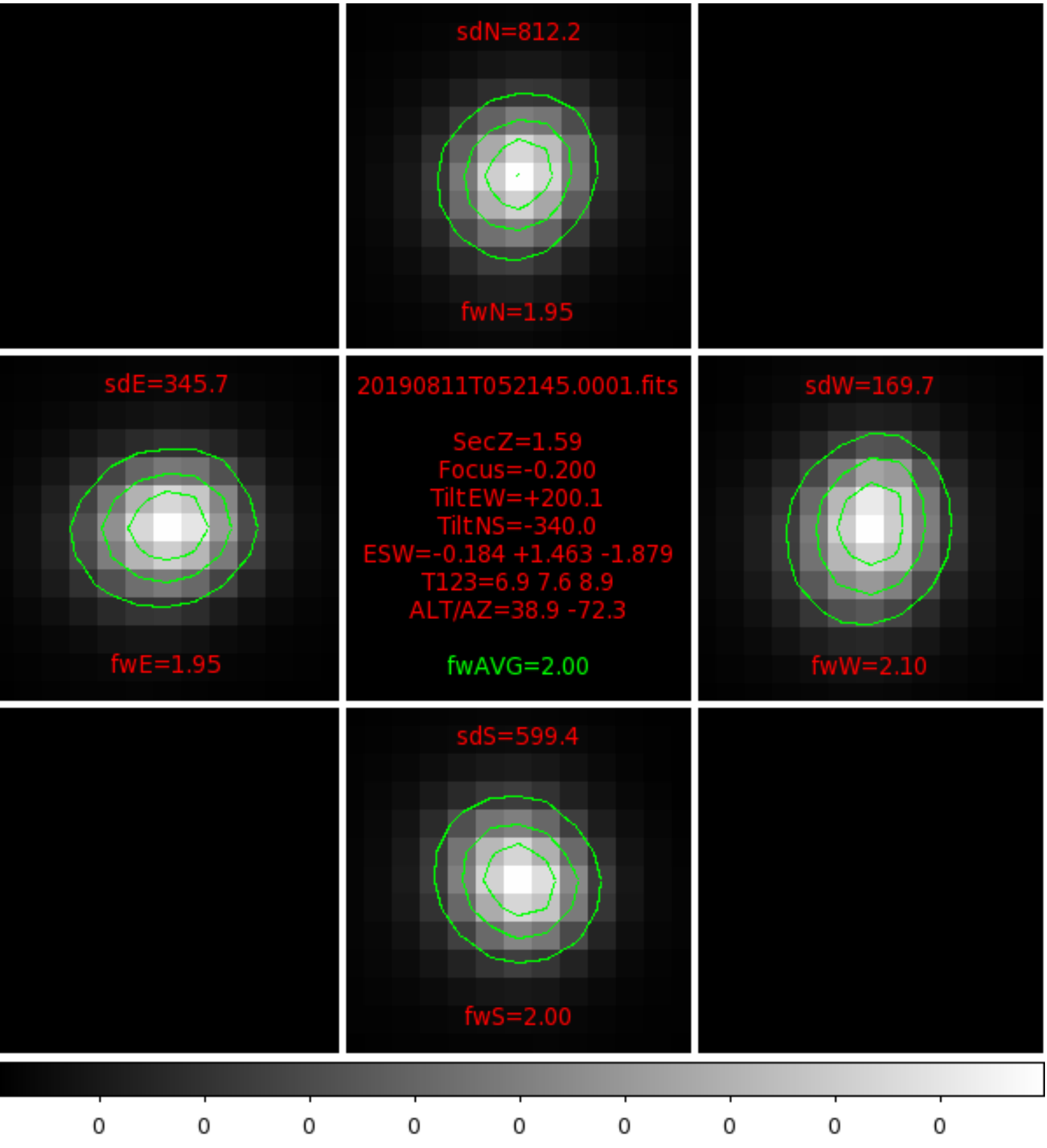
sdN=812.2
fwN=1.95
sdE=345.7
fwE=1.95
20190811T052145.0001.fits
SecZ=1.59
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=6.9 7.6 8.9
ALT/AZ=38.9 -72.3
fwAVG=2.00
sdW=169.7
fwW=2.10
sdS=599.4
fwS=2.00
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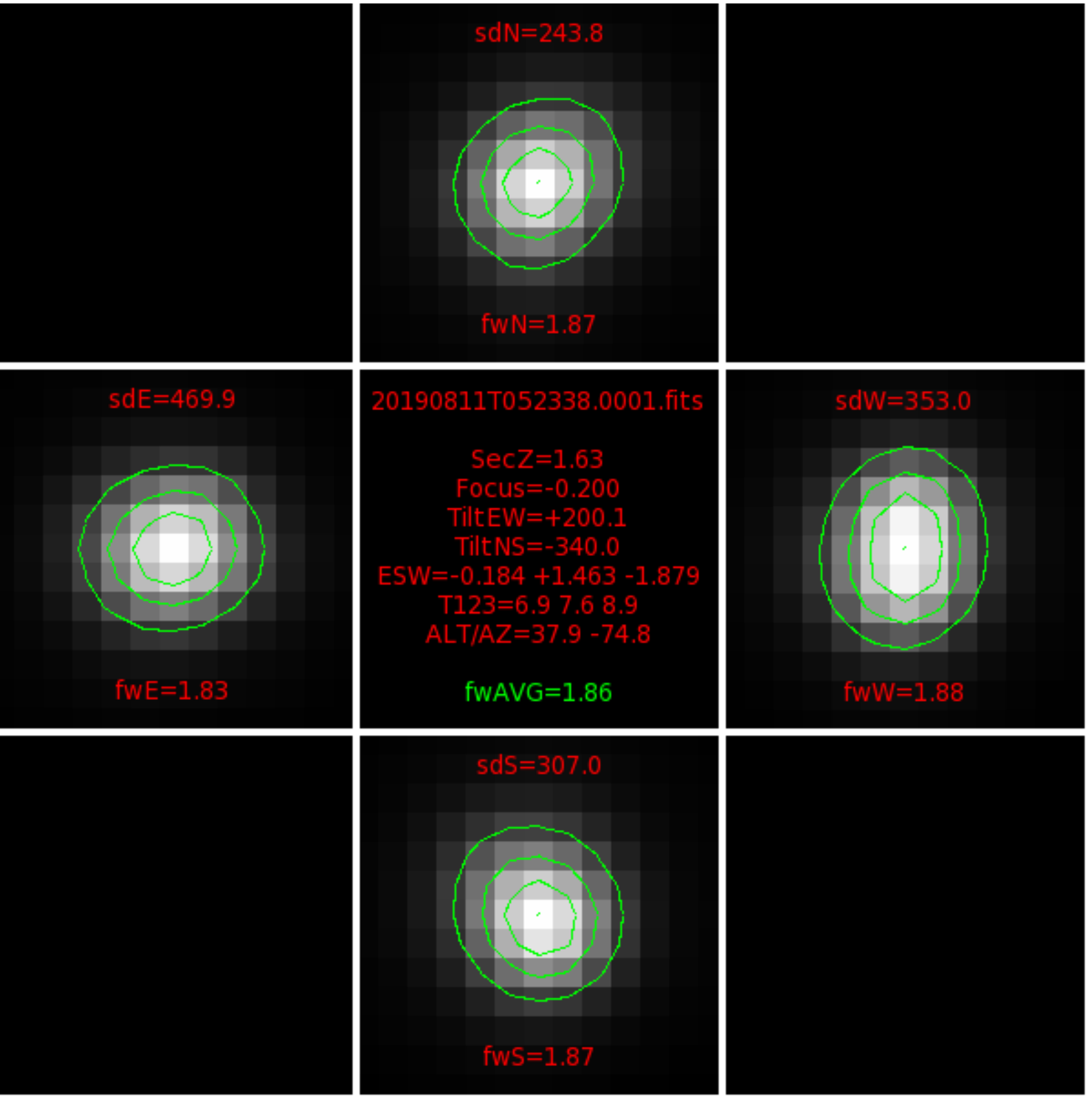
sdN=243.8
fwN=1.87
sdE=469.9
fwE=1.83
20190811T052338.0001.fits
SecZ=1.63
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=6.9 7.6 8.9
ALT/AZ=37.9 -74.8
fwAVG=1.86
sdW=353.0
fwW=1.88
sdS=307.0
fwS=1.87
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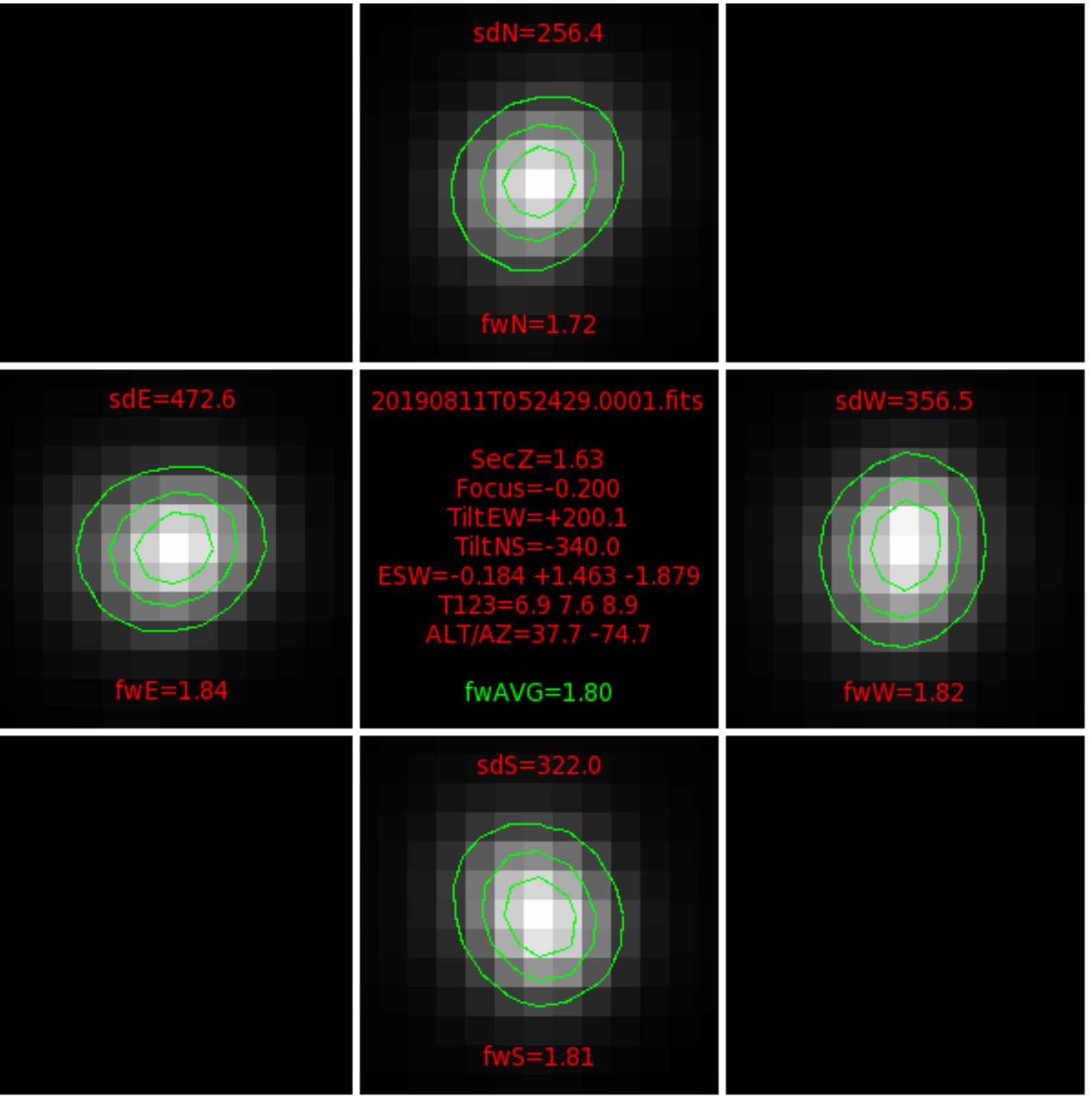
sdN=256.4
fwN=1.72
sdE=472.6
fwE=1.84
20190811T052429.0001.fits
SecZ=1.63
Focus=-0.200
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.184 +1.463 -1.879
T123=6.9 7.6 8.9
ALT/AZ=37.7 -74.7
fwAVG=1.80
sdW=356.5
fwW=1.82
sdS=322.0
fwS=1.81
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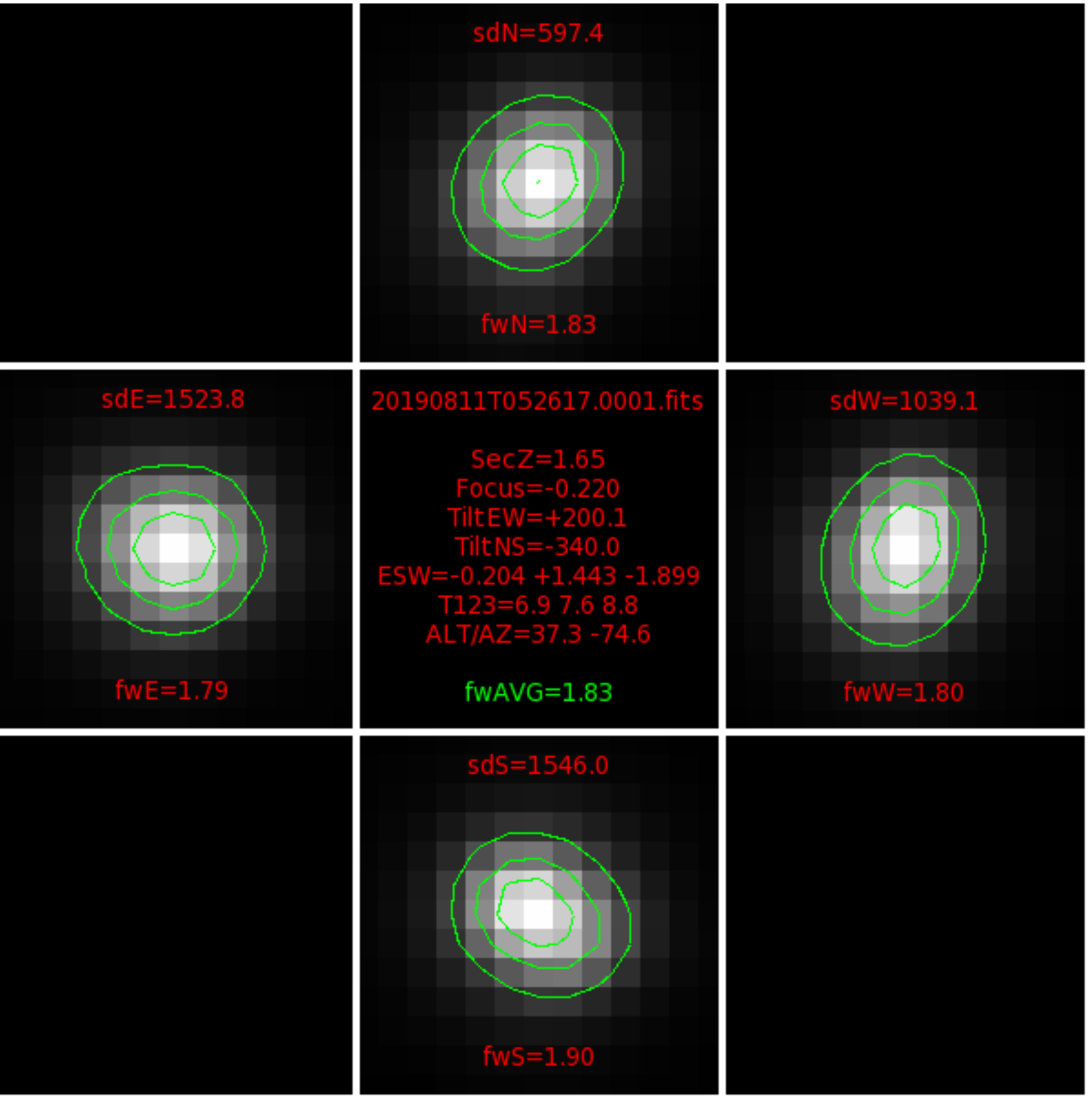
sdN=597.4
fwN=1.83
sdE=1523.8
fwE=1.79
20190811T052617.0001.fits
SecZ=1.65
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=6.9 7.6 8.8
ALT/AZ=37.3 -74.6
fwAVG=1.83
sdW=1039.1
fwW=1.80
sdS=1546.0
fwS=1.90
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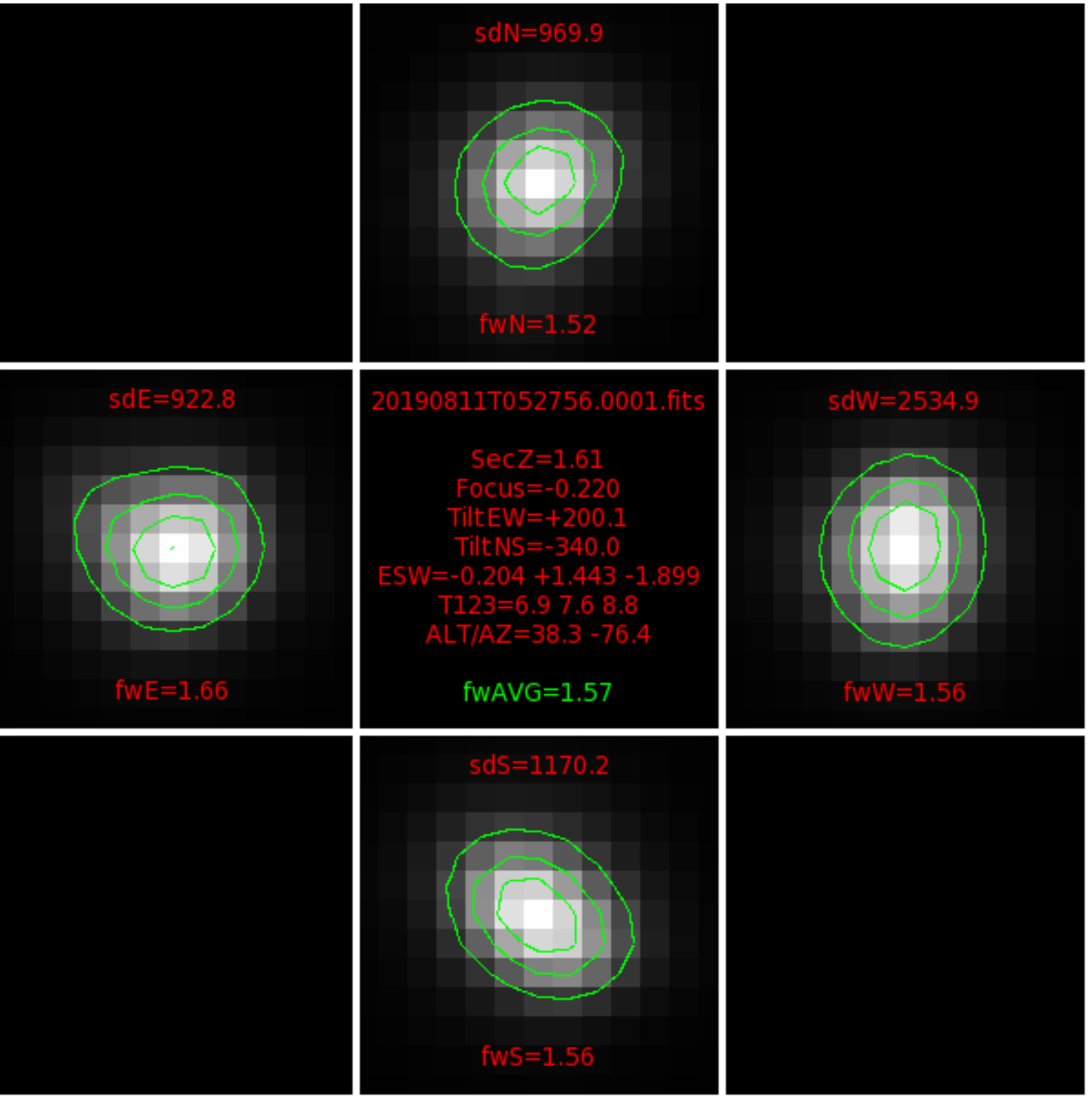
sdN=969.9
fwN=1.52
sdE=922.8
fwE=1.66
20190811T052756.0001.fits
SecZ=1.61
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=6.9 7.6 8.8
ALT/AZ=38.3 -76.4
fwAVG=1.57
sdW=2534.9
fwW=1.56
sdS=1170.2
fwS=1.56
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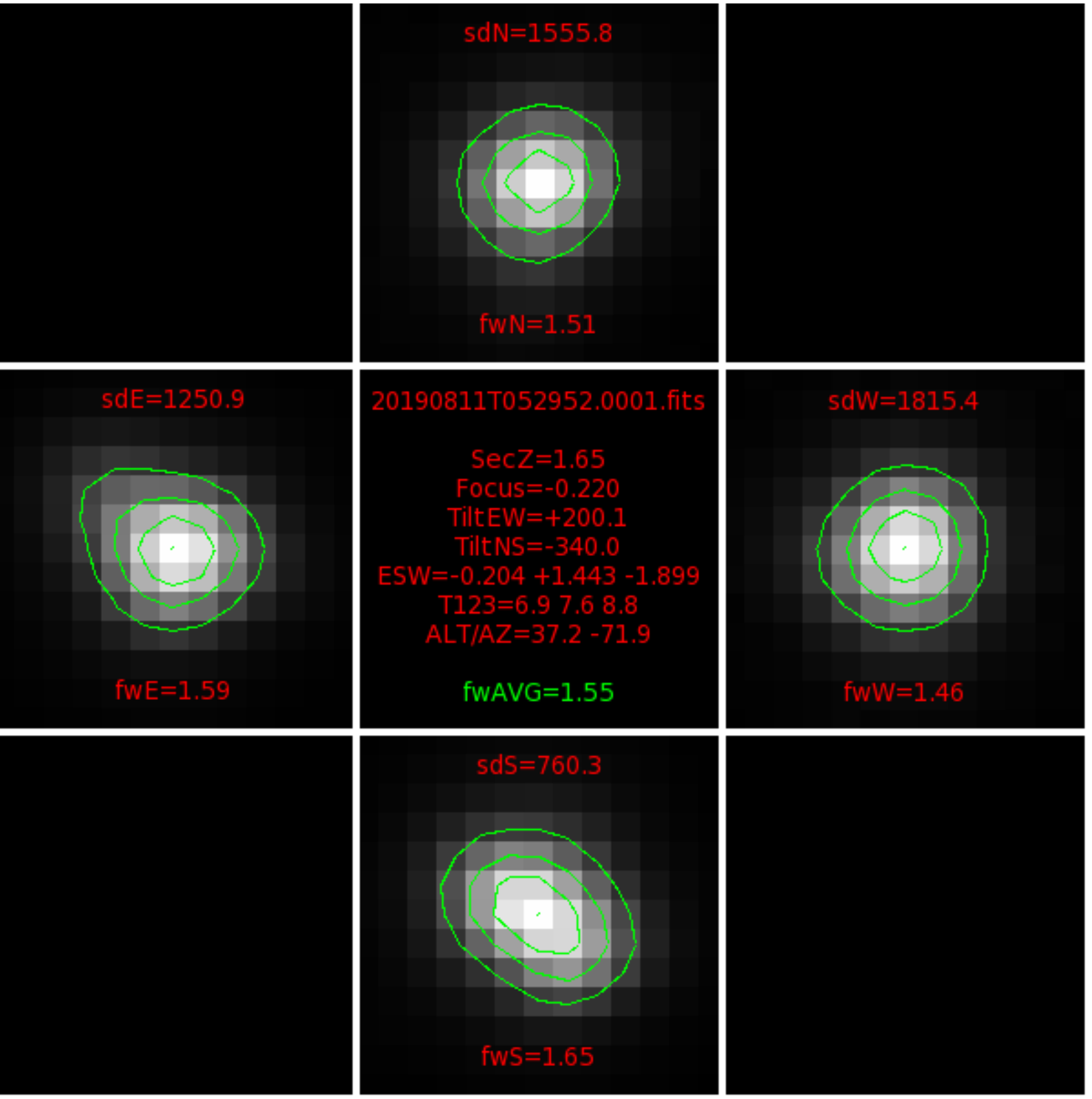
sdN=1555.8
fwN=1.51
sdE=1250.9
fwE=1.59
20190811T052952.0001.fits
SecZ=1.65
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=6.9 7.6 8.8
ALT/AZ=37.2 -71.9
fwAVG=1.55
sdW=1815.4
fwW=1.46
sdS=760.3
fwS=1.65
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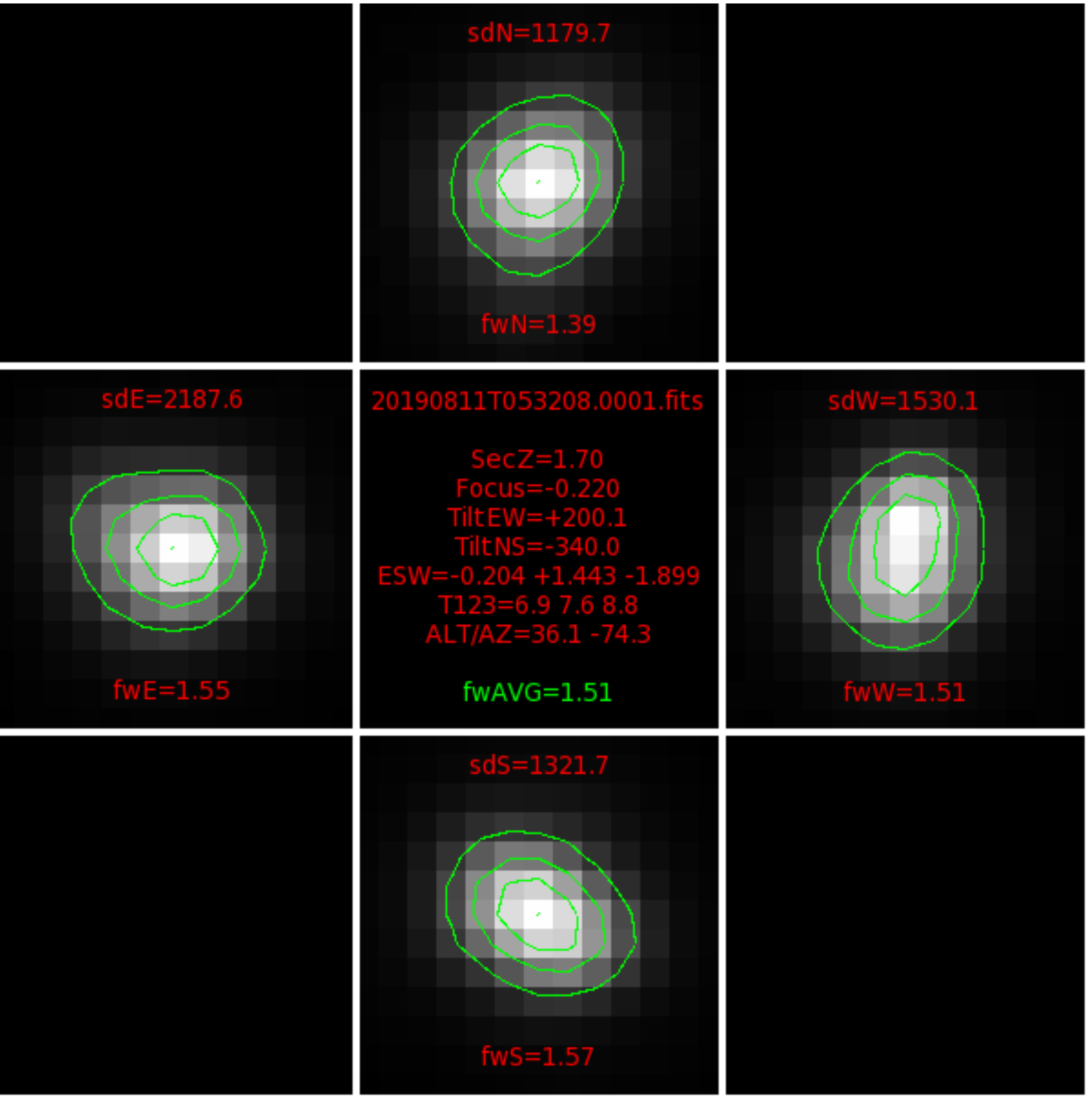
sdN=1179.7
fwN=1.39
sdE=2187.6
fwE=1.55
20190811T053208.0001.fits
SecZ=1.70
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=6.9 7.6 8.8
ALT/AZ=36.1 -74.3
fwAVG=1.51
sdW=1530.1
fwW=1.51
sdS=1321.7
fwS=1.57
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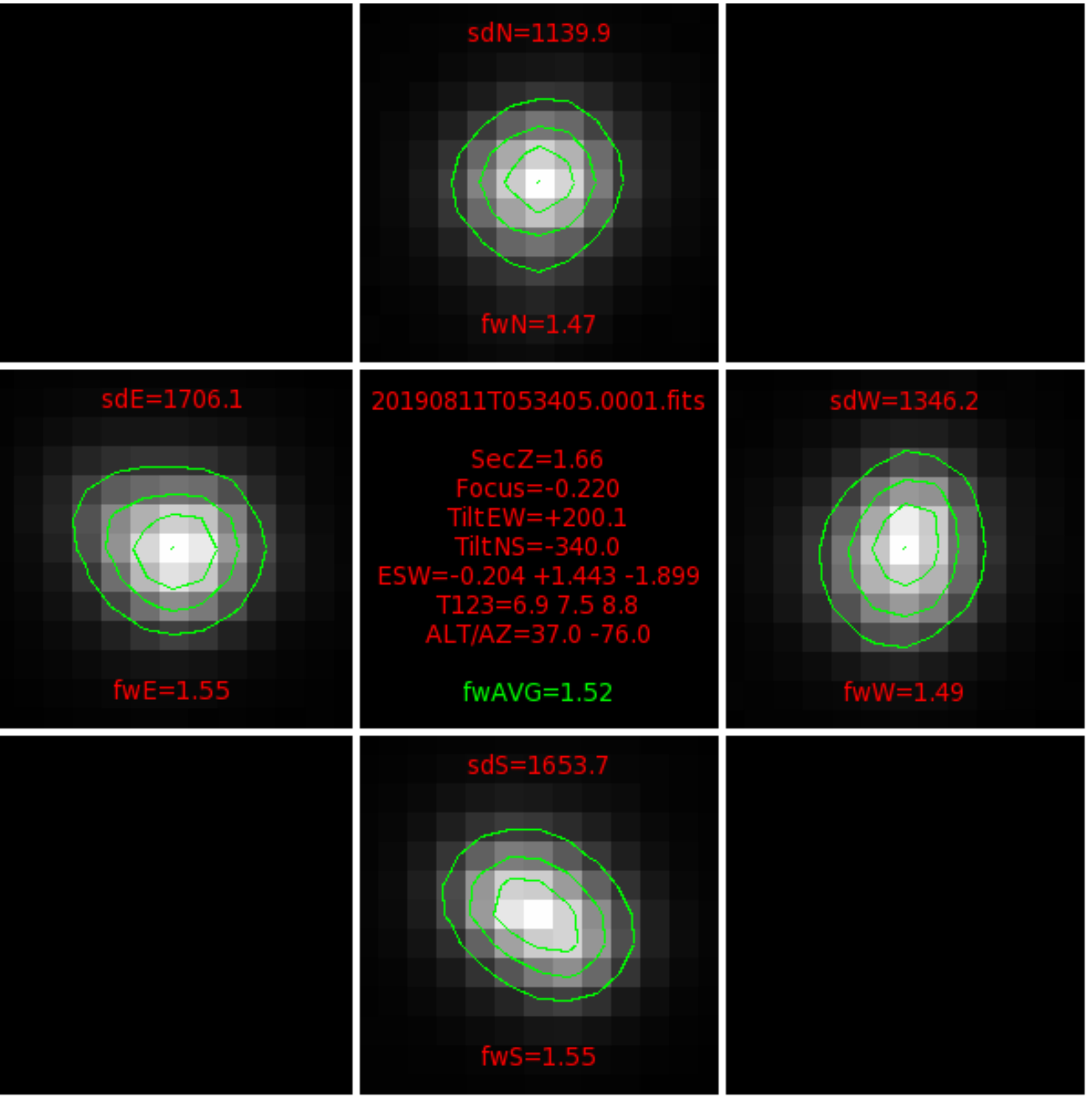
sdN=1139.9
fwN=1.47
sdE=1706.1
fwE=1.55
20190811T053405.0001.fits
SecZ=1.66
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=6.9 7.5 8.8
ALT/AZ=37.0 -76.0
fwAVG=1.52
sdW=1346.2
fwW=1.49
sdS=1653.7
fwS=1.55
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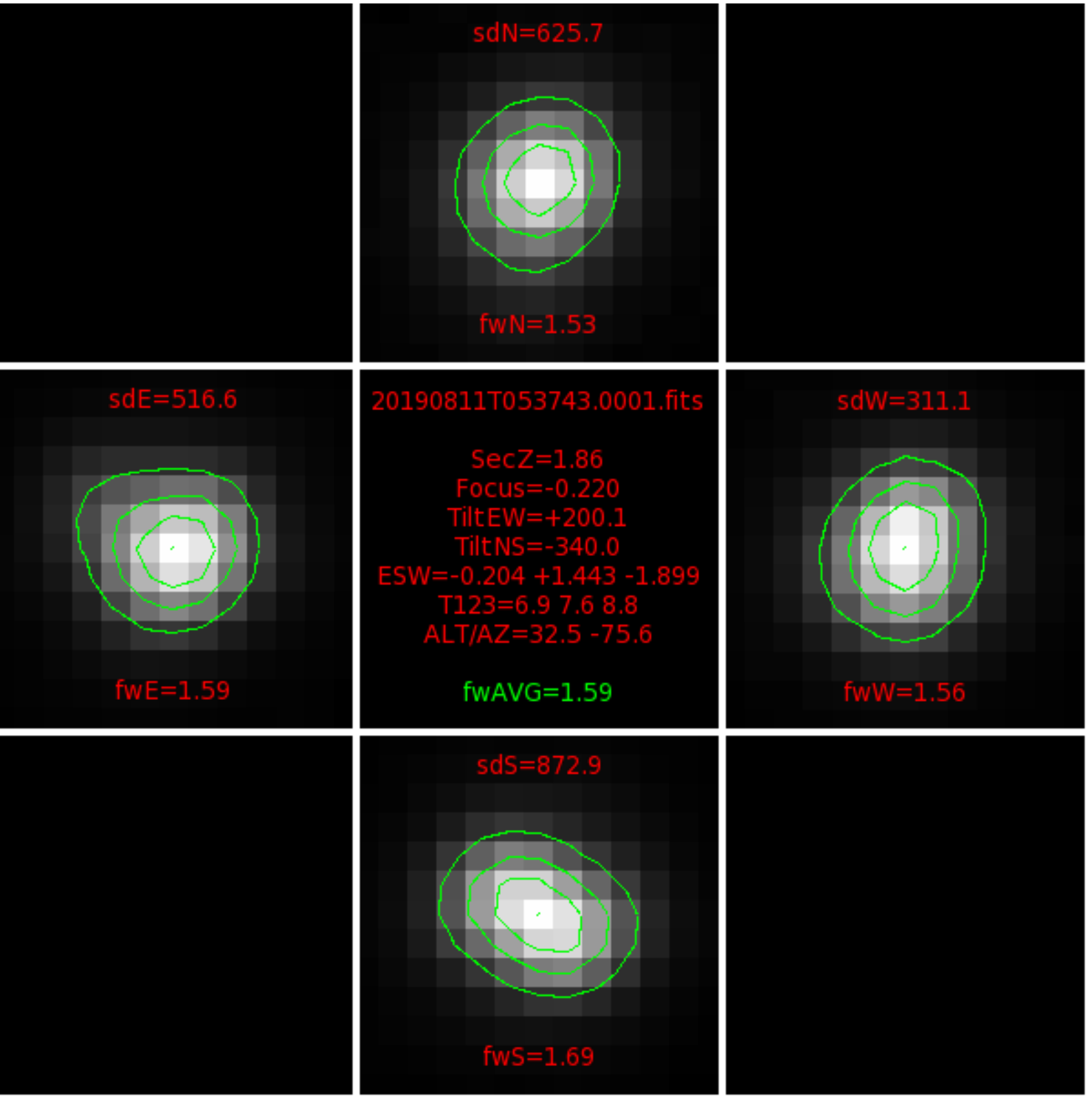
sdN=625.7
fwN=1.53
sdE=516.6
fwE=1.59
20190811T053743.0001.fits
SecZ=1.86
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=6.9 7.6 8.8
ALT/AZ=32.5 -75.6
fwAVG=1.59
sdW=311.1
fwW=1.56
sdS=872.9
fwS=1.69
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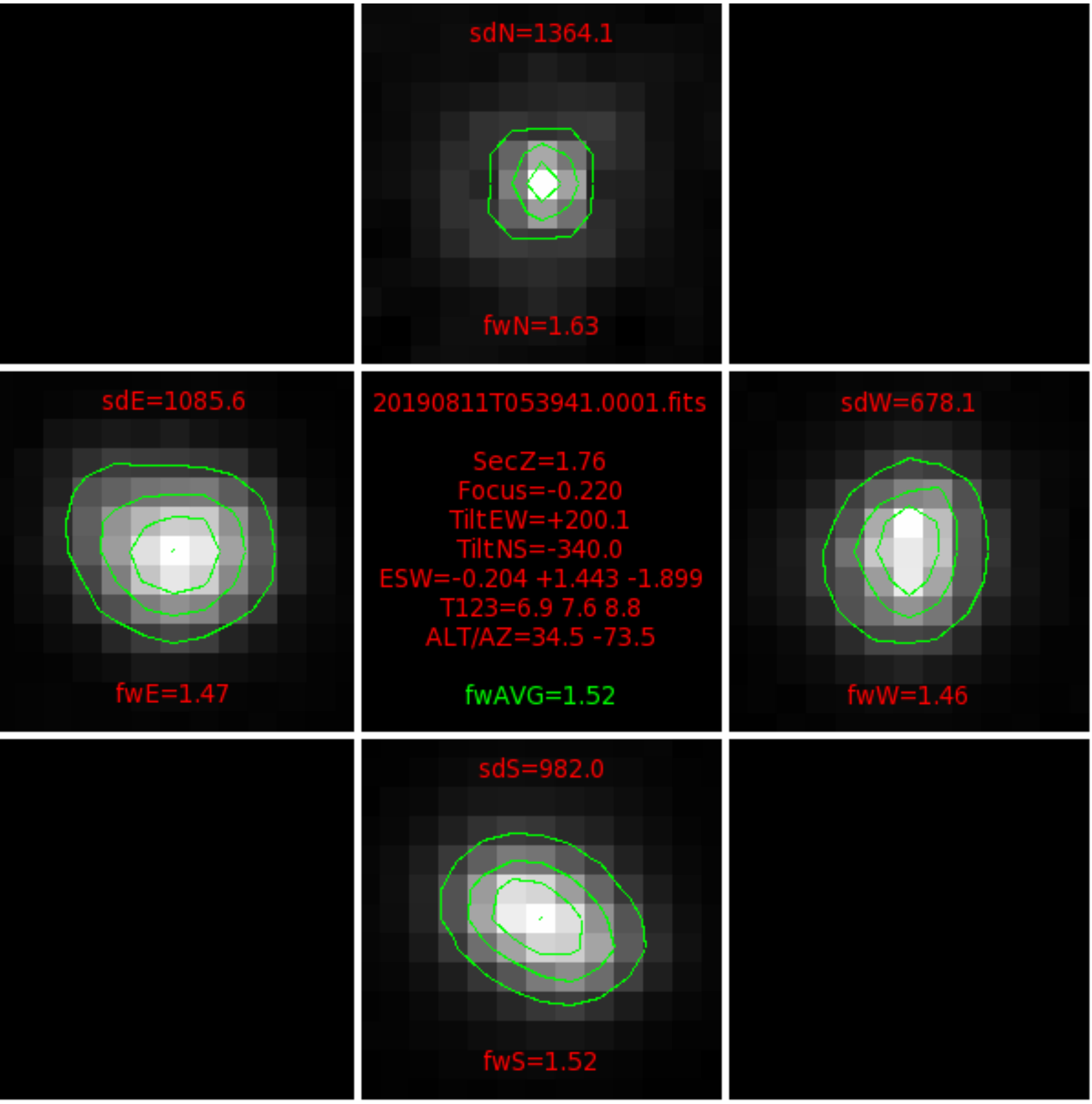
sdN=1364.1
fwN=1.63
sdE=1085.6
fwE=1.47
20190811T053941.0001.fits
SecZ=1.76
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=6.9 7.6 8.8
ALT/AZ=34.5 -73.5
fwAVG=1.52
sdW=678.1
fwW=1.46
sdS=982.0
fwS=1.52
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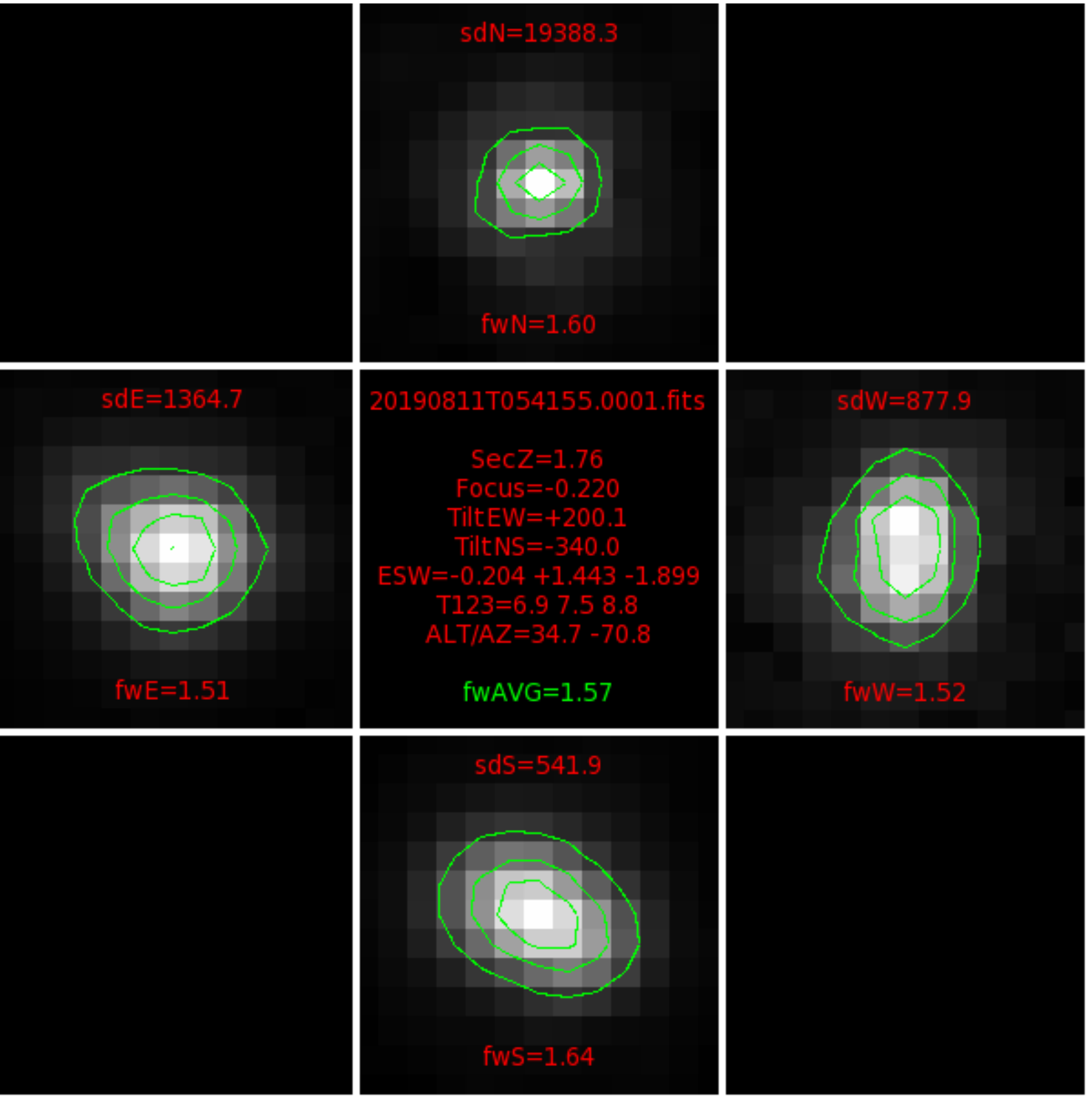
sdN=19388.3
fwN=1.60
sdE=1364.7
fwE=1.51
20190811T054155.0001.fits
SecZ=1.76
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=6.9 7.5 8.8
ALT/AZ=34.7 -70.8
fwAVG=1.57
sdW=877.9
fwW=1.52
sdS=541.9
fwS=1.64
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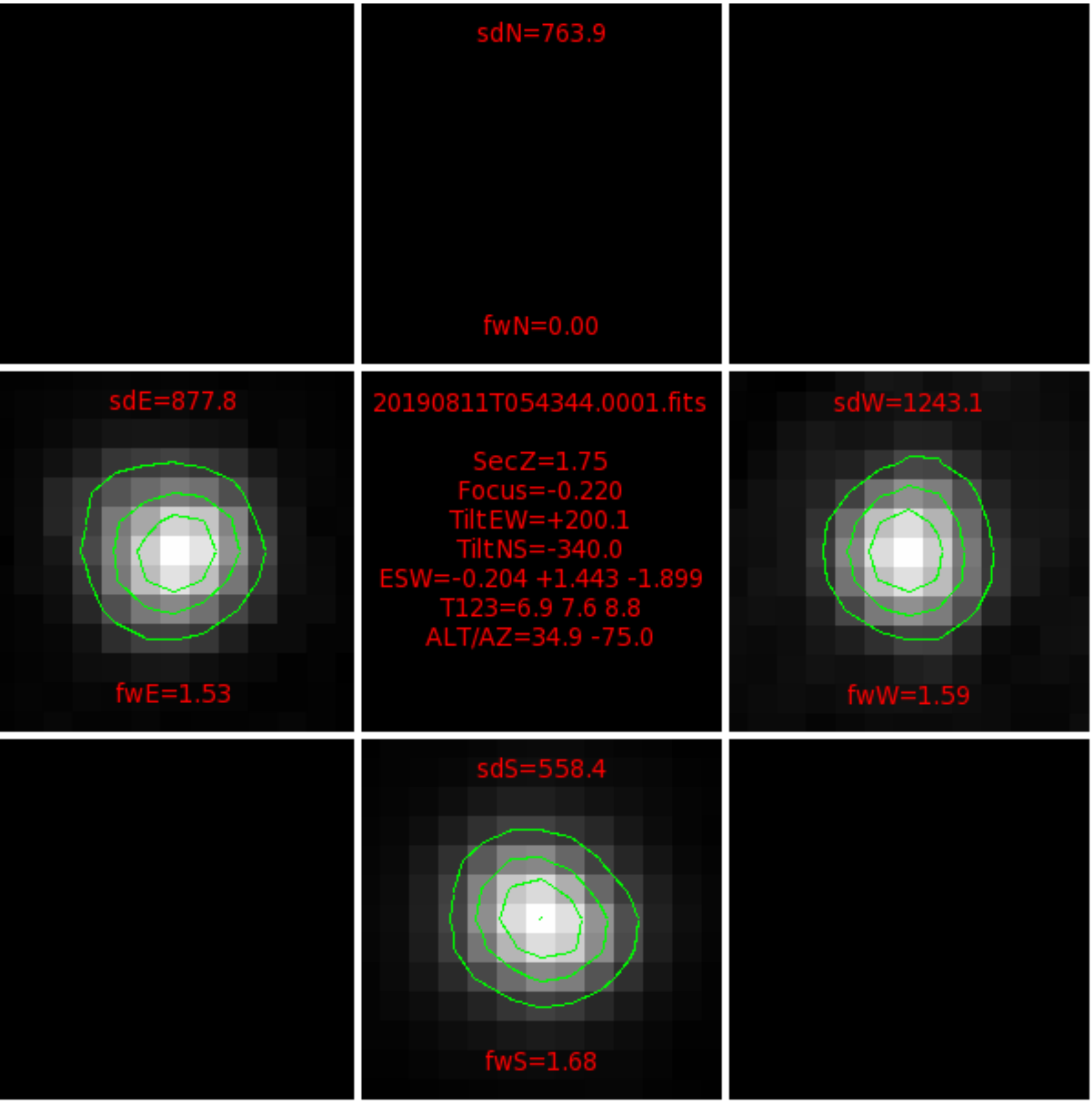
sdN=763.9
fwN=0.00
sdE=877.8
fwE=1.53
20190811T054344.0001.fits
SecZ=1.75
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=6.9 7.6 8.8
ALT/AZ=34.9 -75.0
sdW=1243.1
fwW=1.59
sdS=558.4
fwS=1.68
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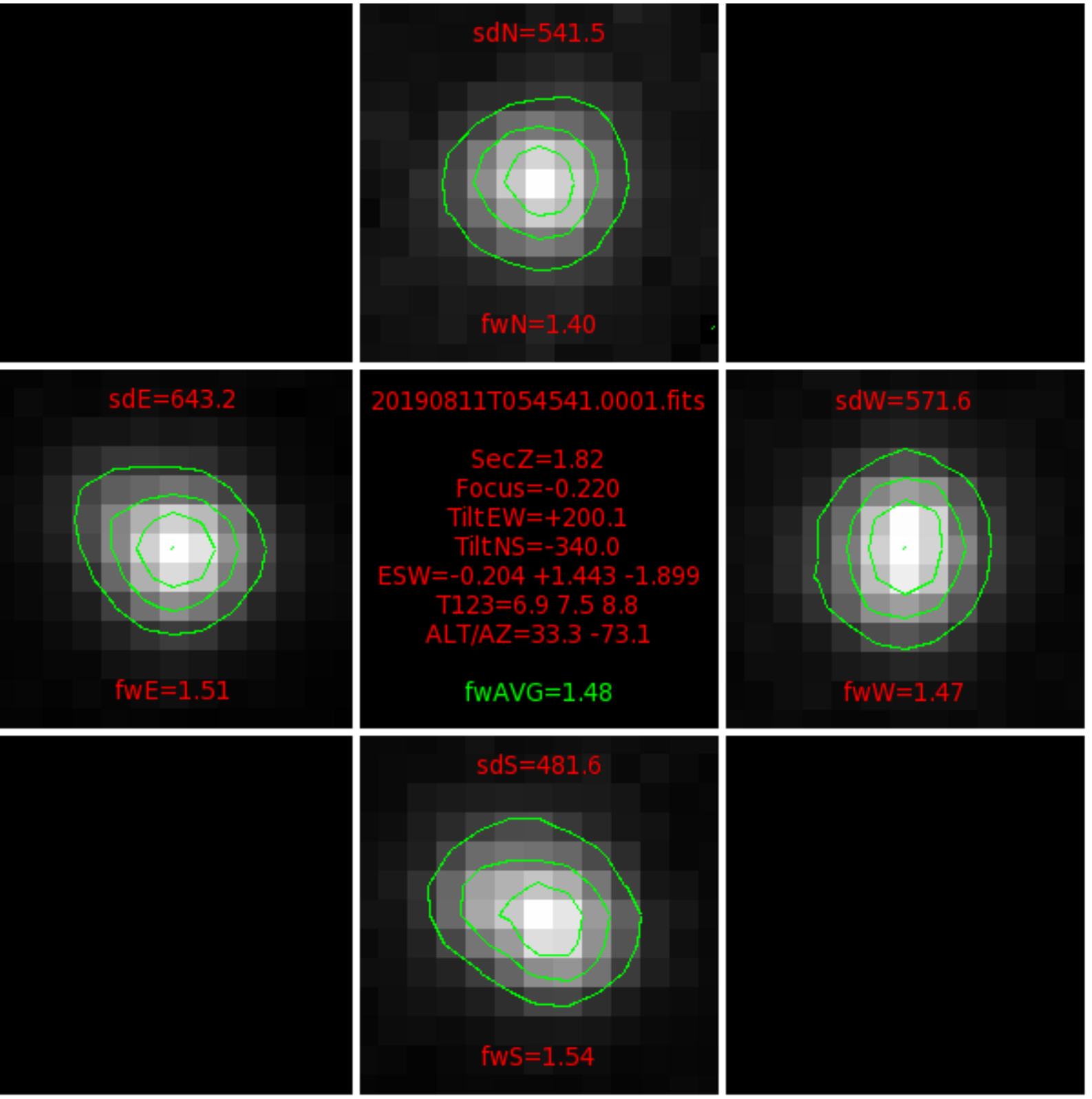
sdN=541.5
fwN=1.40
sdE=643.2
fwE=1.51
20190811T054541.0001.fits
SecZ=1.82
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=6.9 7.5 8.8
ALT/AZ=33.3 -73.1
fwAVG=1.48
sdW=571.6
fwW=1.47
sdS=481.6
fwS=1.54
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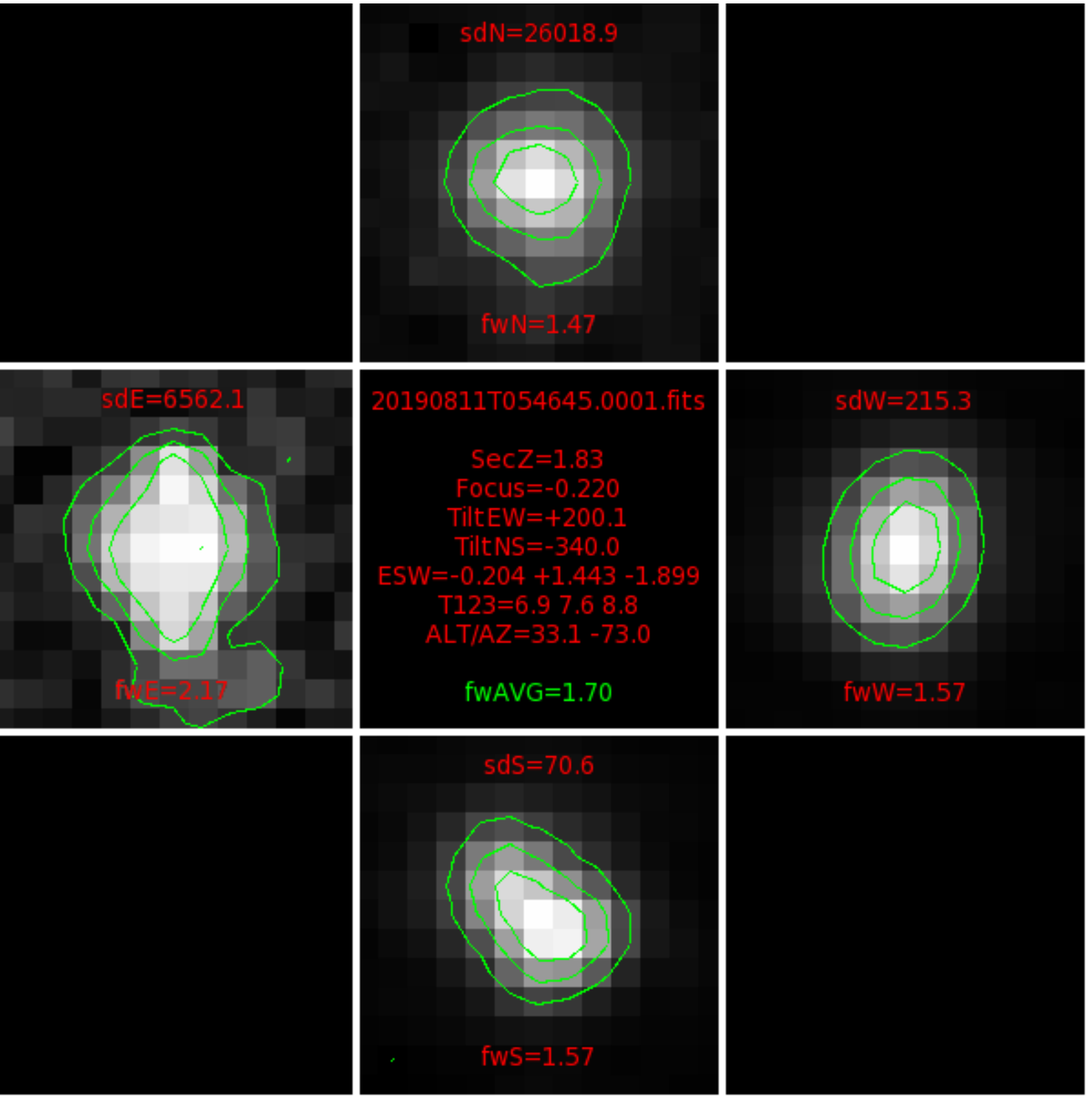
sdN=26018.9
fwN=1.47
sdE=6562.1
fwE=2.17
20190811T054645.0001.fits
SecZ=1.83
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=6.9 7.6 8.8
ALT/AZ=33.1 -73.0
fwAVG=1.70
sdW=215.3
fwW=1.57
sdS=70.6
fwS=1.57
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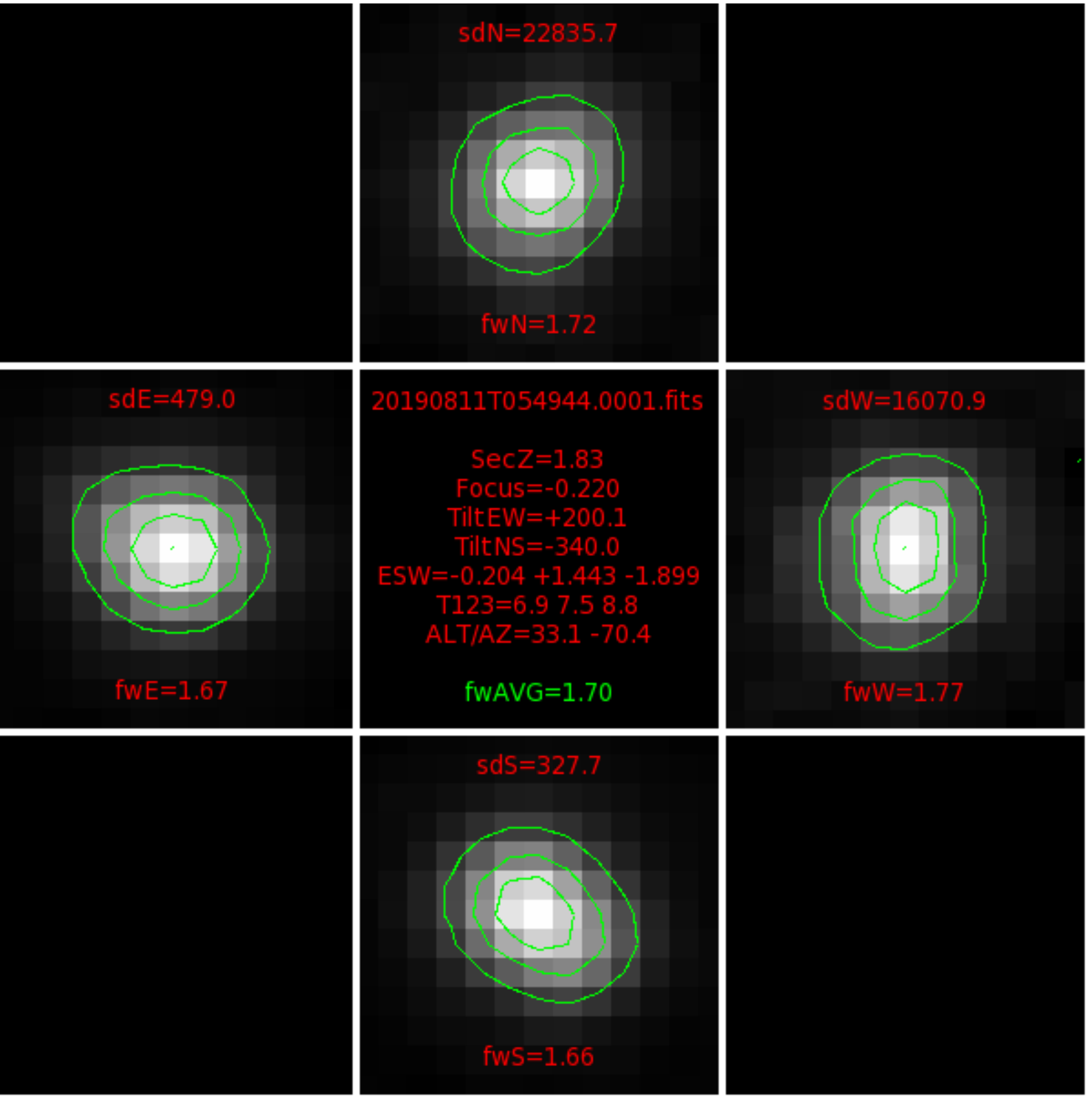
sdN=22835.7
fwN=1.72
sdE=479.0
fwE=1.67
20190811T054944.0001.fits
SecZ=1.83
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=6.9 7.5 8.8
ALT/AZ=33.1 -70.4
fwAVG=1.70
sdW=16070.9
fwW=1.77
sdS=327.7
fwS=1.66
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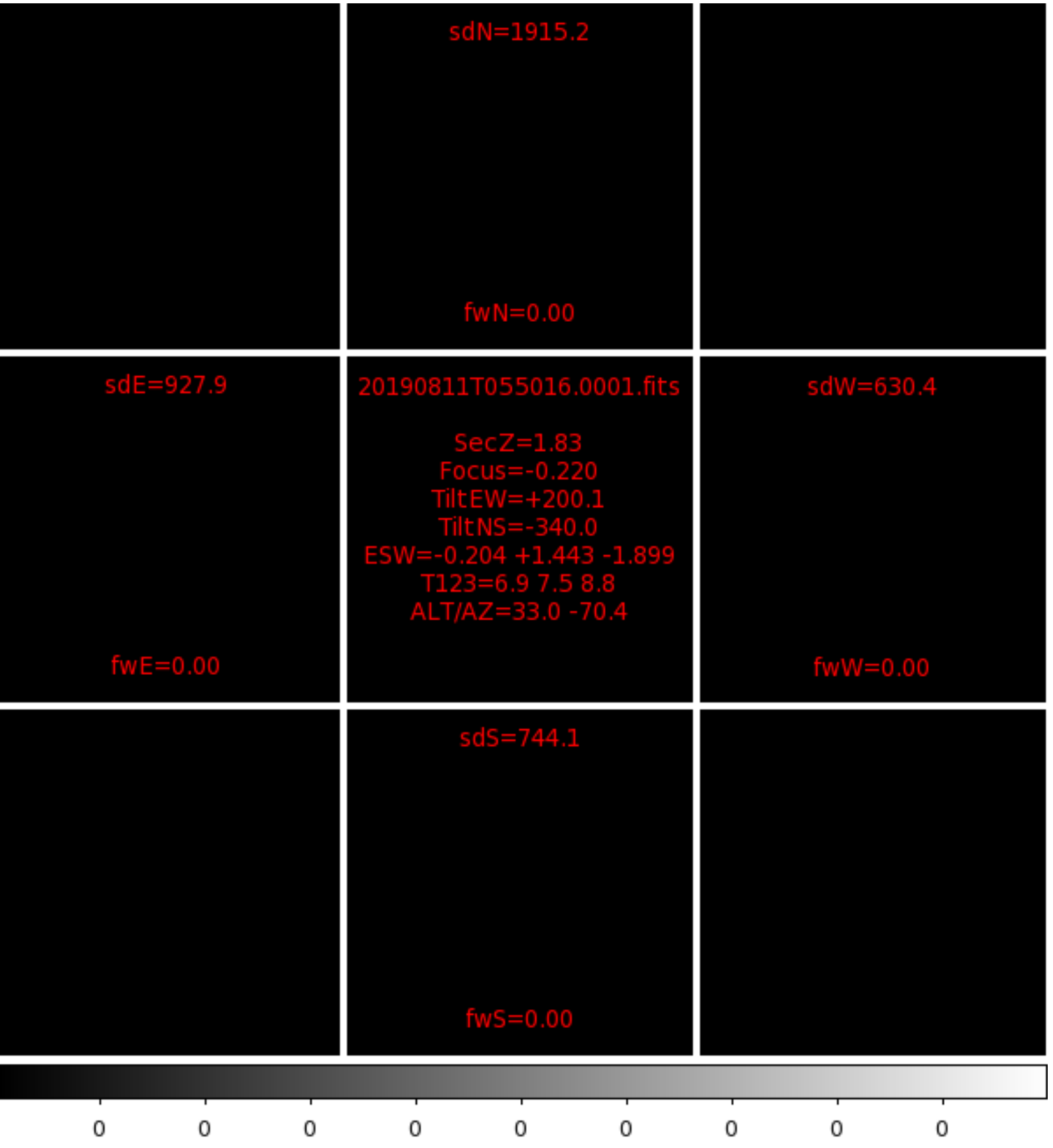
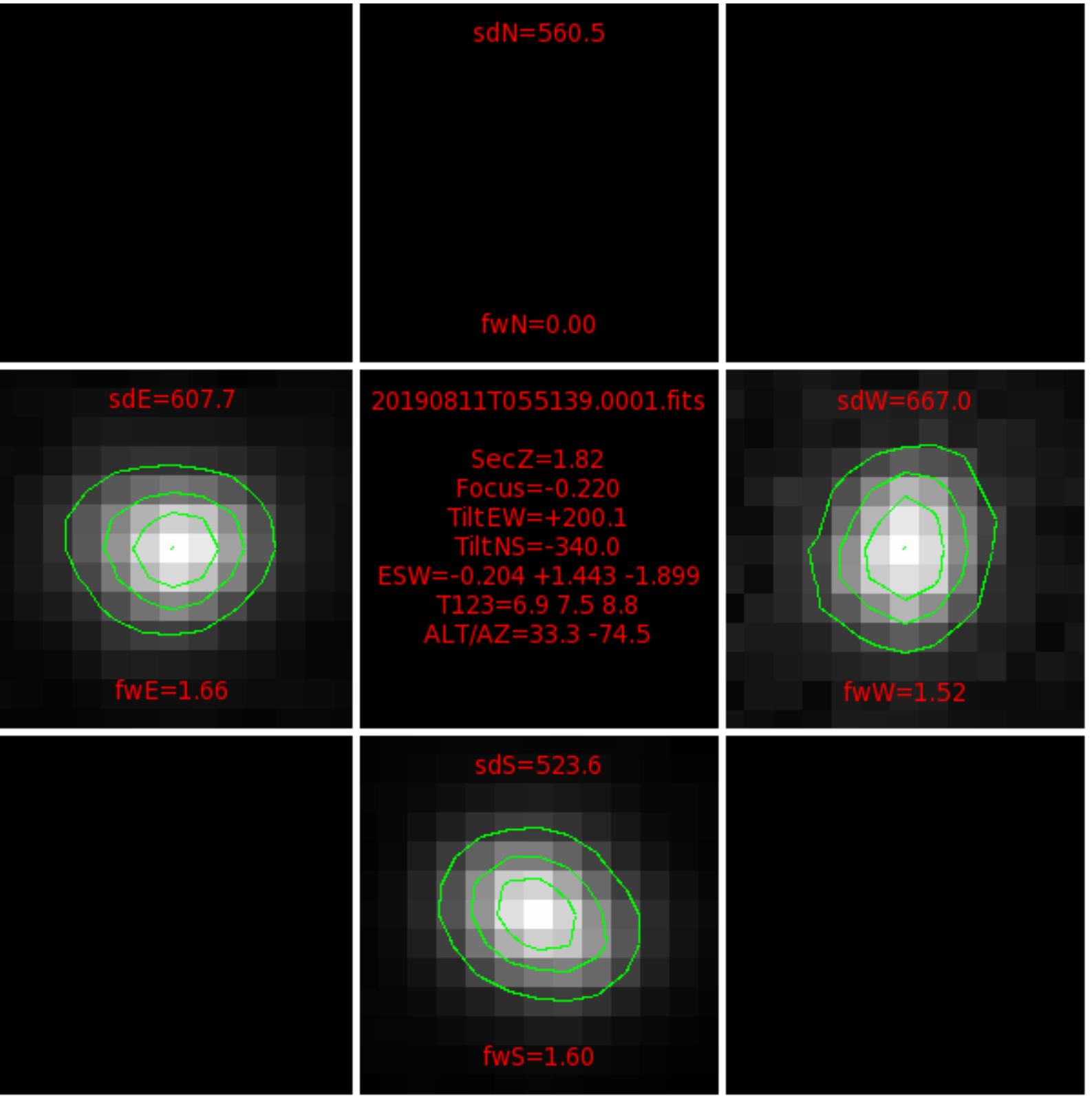

sdN=1915.2
fwN=0.00
sdE=927.9
20190811T055016.0001.fits
SecZ=1.83
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=6.9 7.5 8.8
ALT/AZ=33.0 -70.4
sdW=630.4
fwE=0.00
fwW=0.00
sdS=744.1
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=560.5
fwN=0.00
sdE=607.7
fwE=1.66
20190811T055139.0001.fits
SecZ=1.82
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=6.9 7.5 8.8
ALT/AZ=33.3 -74.5
sdW=667.0
fwW=1.52
sdS=523.6
fwS=1.60
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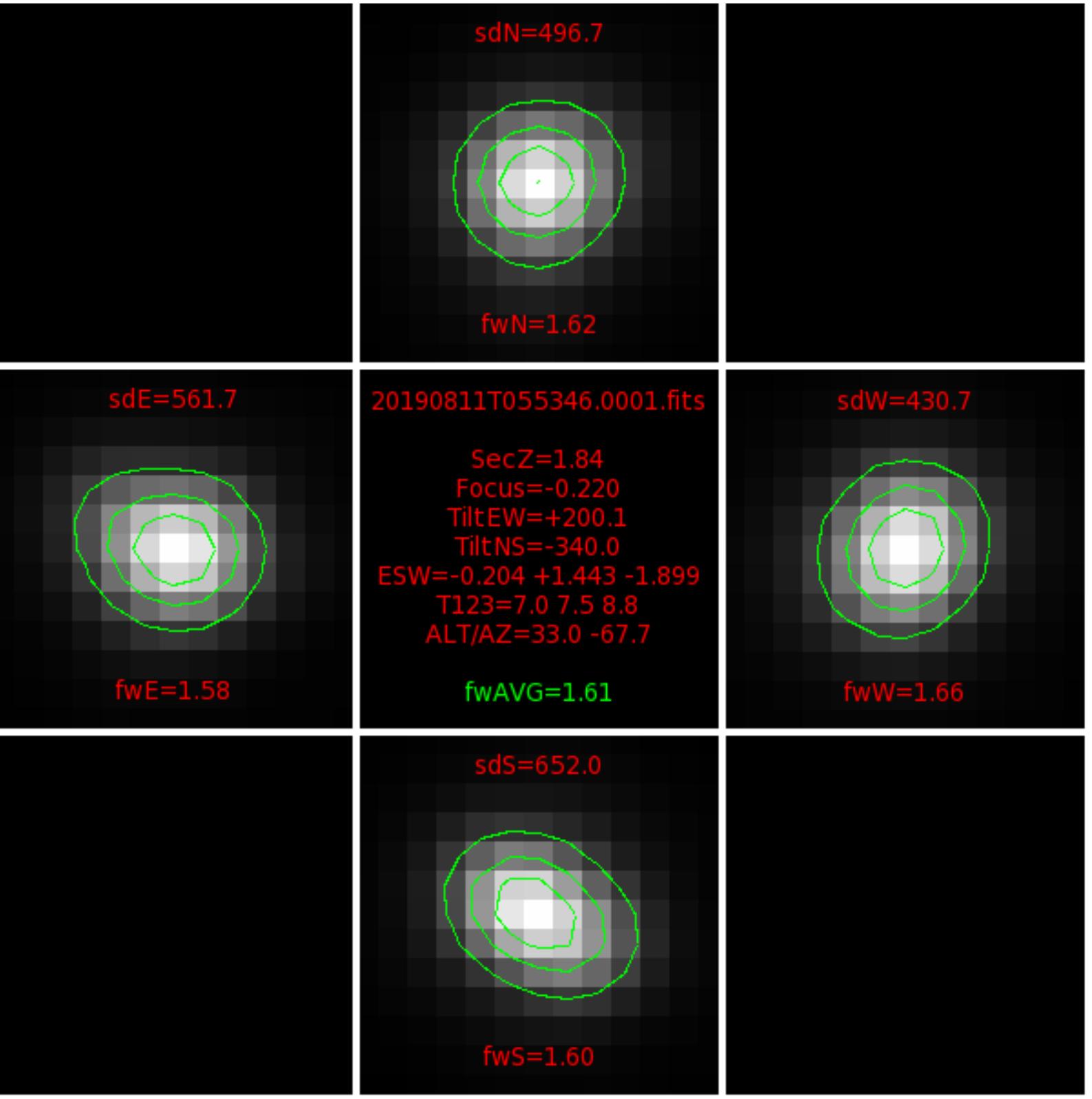
sdN=496.7
fwN=1.62
sdE=561.7
fwE=1.58
20190811T055346.0001.fits
SecZ=1.84
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.0 7.5 8.8
ALT/AZ=33.0 -67.7
fwAVG=1.61
sdW=430.7
fwW=1.66
sdS=652.0
fwS=1.60
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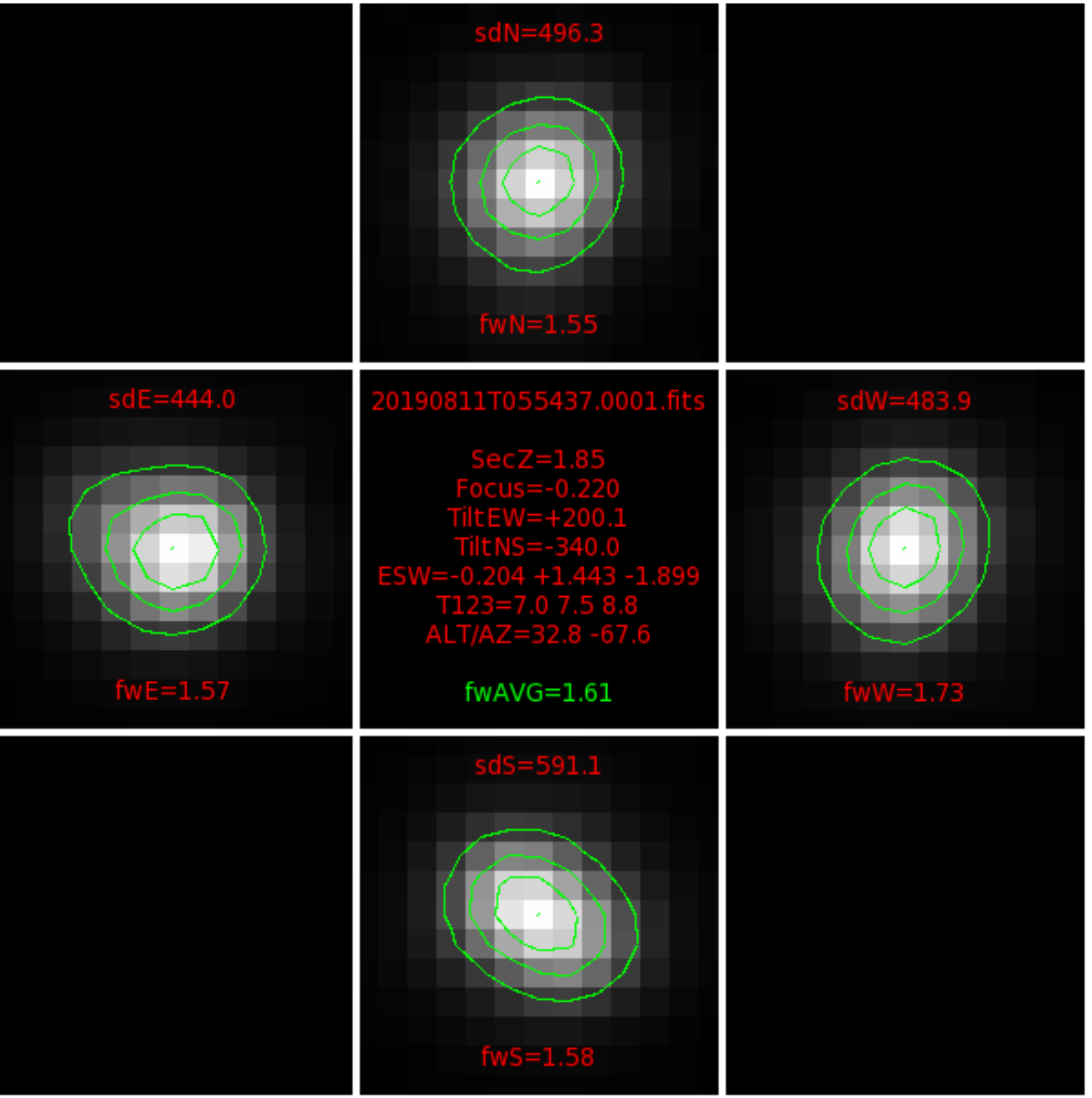
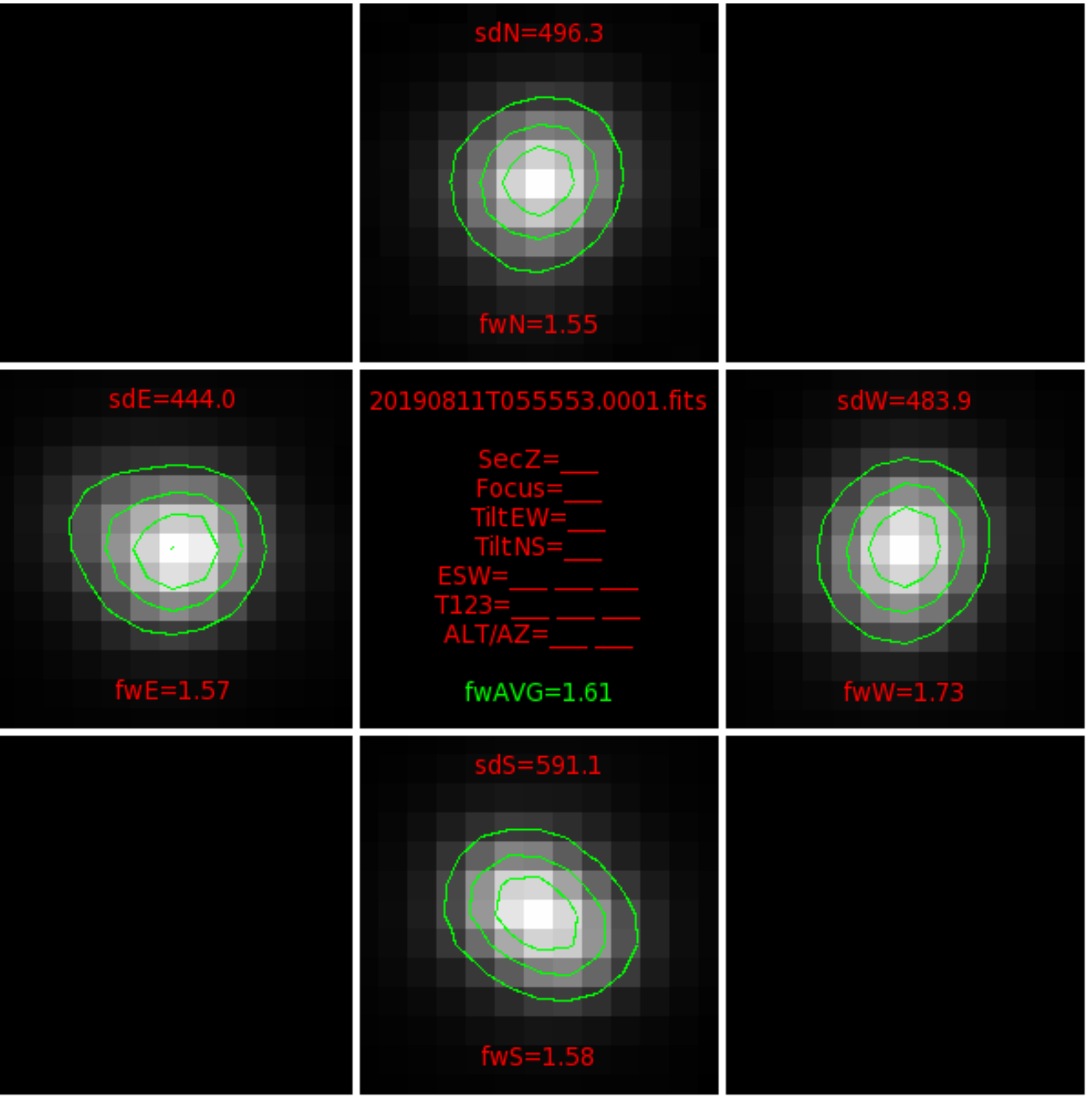

sdN=496.3
fwN=1.55
sdE=444.0
fwE=1.57
20190811T055437.0001.fits
SecZ=1.85
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.0 7.5 8.8
ALT/AZ=32.8 -67.6
fwAVG=1.61
sdW=483.9
fwW=1.73
sdS=591.1
fwS=1.58
0 0 0 0 0 0 0 0 0


sdN=496.3
fwN=1.55
sdE=444.0
fwE=1.57
20190811T055553.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.61
sdW=483.9
fwW=1.73
sdS=591.1
fwS=1.58
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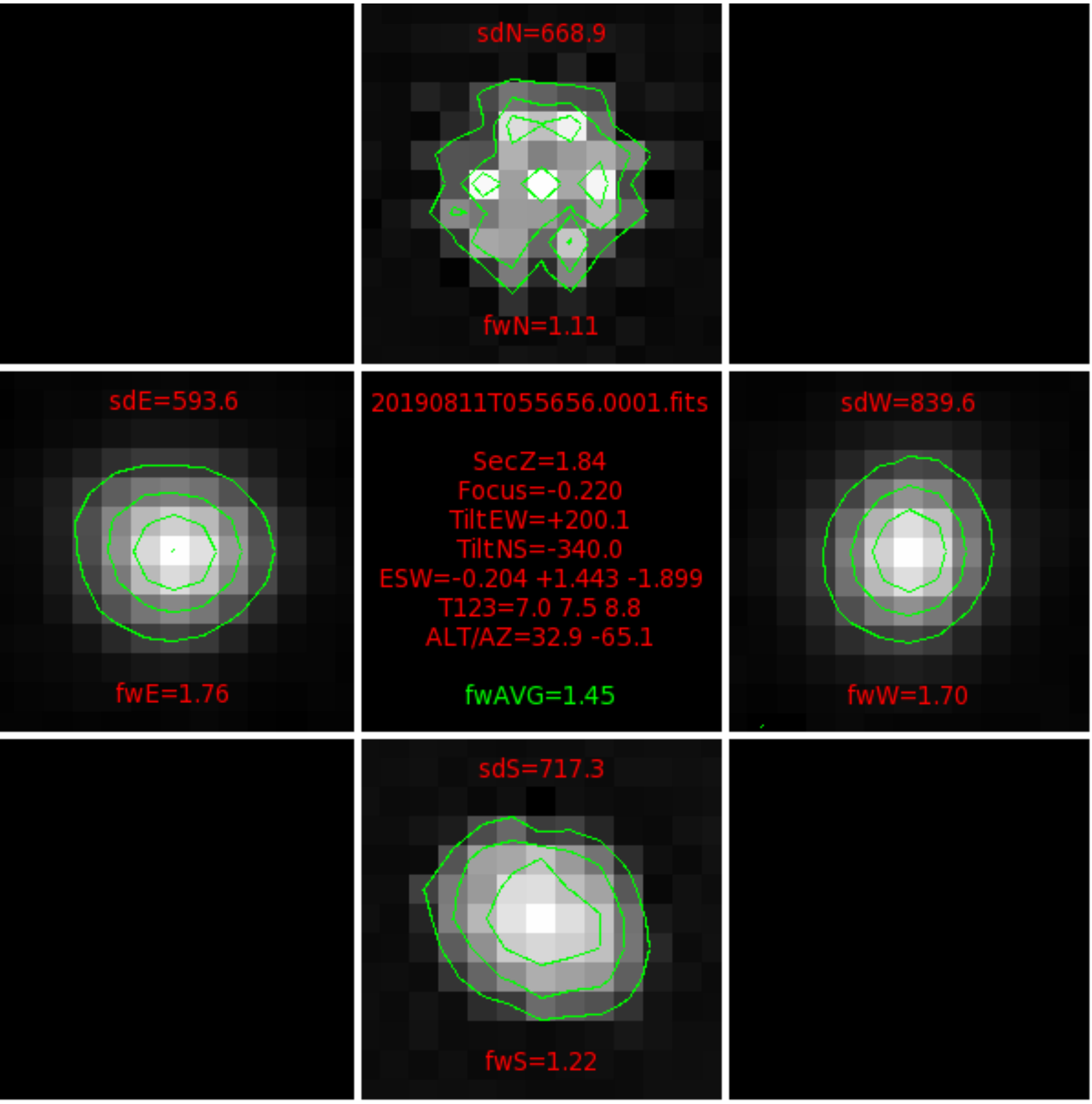
sdN=668.9
fwN=1.11
sdE=593.6
fwE=1.76
20190811T055656.0001.fits
SecZ=1.84
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.0 7.5 8.8
ALT/AZ=32.9 -65.1
fwAVG=1.45
sdW=839.6
fwW=1.70
sdS=717.3
fwS=1.22
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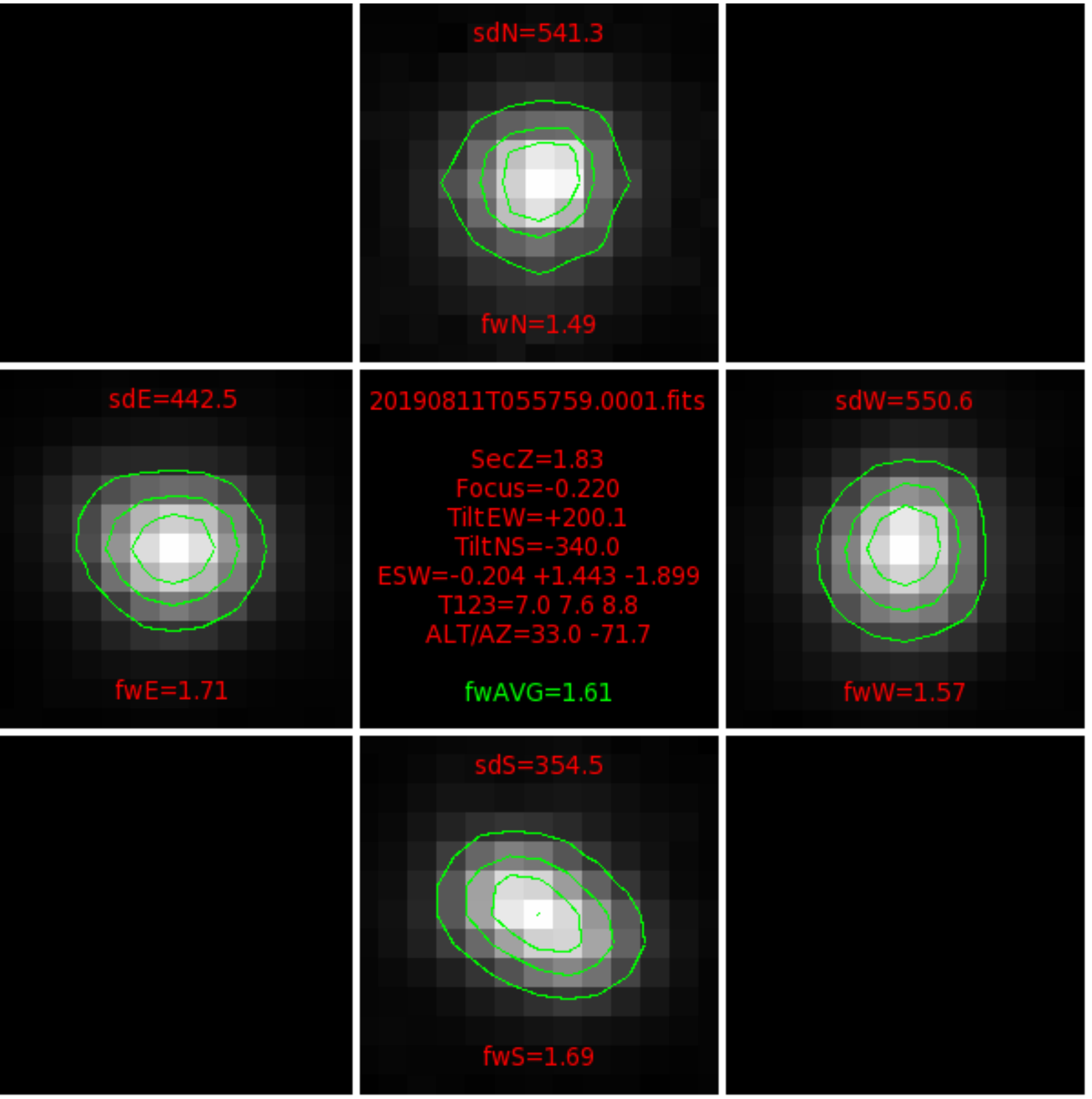
sdN=541.3
fwN=1.49
sdE=442.5
fwE=1.71
20190811T055759.0001.fits
SecZ=1.83
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.0 7.6 8.8
ALT/AZ=33.0 -71.7
fwAVG=1.61
sdW=550.6
fwW=1.57
sdS=354.5
fwS=1.69
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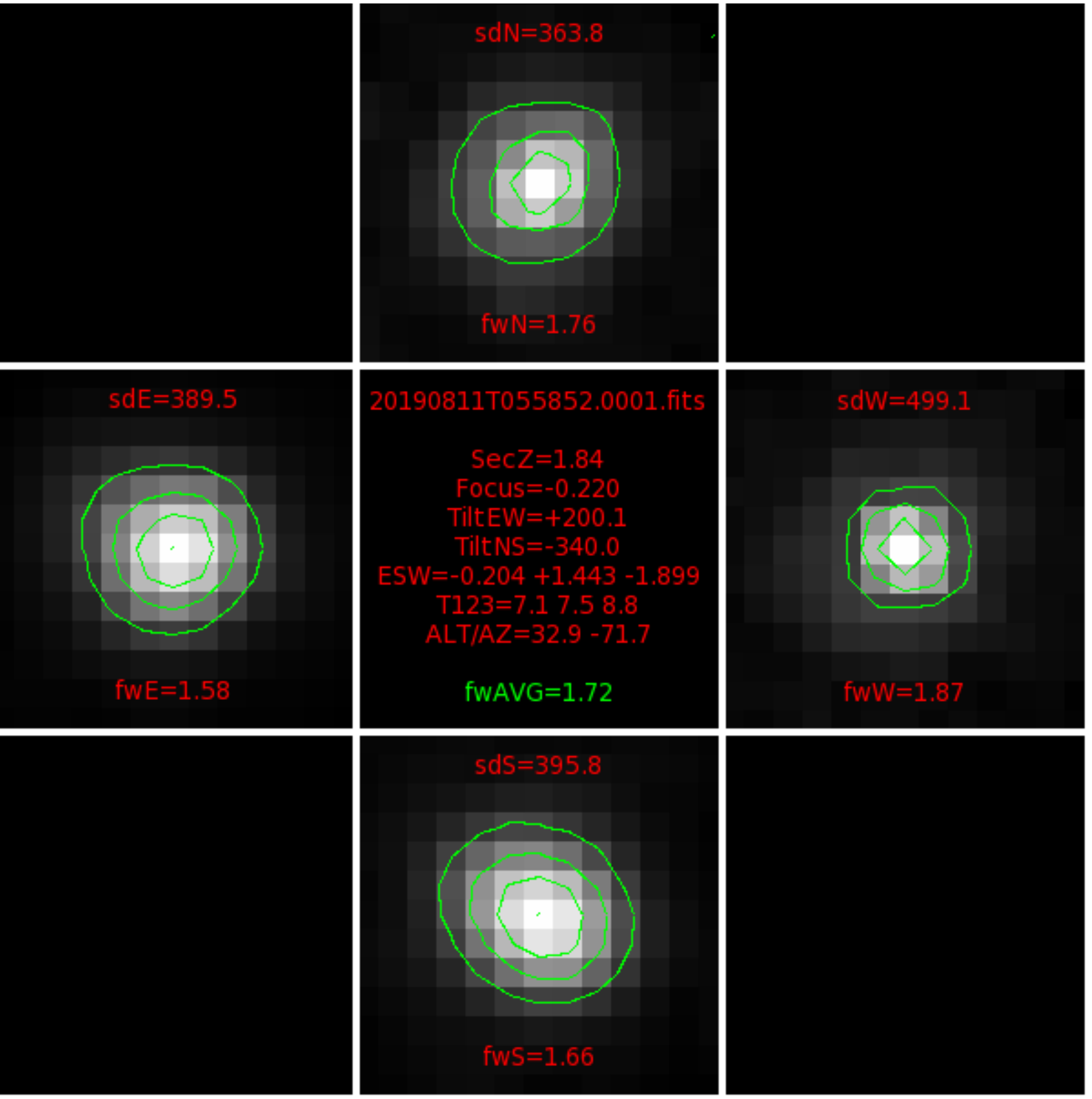
sdN=363.8
fwN=1.76
sdE=389.5
fwE=1.58
20190811T055852.0001.fits
SecZ=1.84
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.1 7.5 8.8
ALT/AZ=32.9 -71.7
fwAVG=1.72
sdW=499.1
fwW=1.87
sdS=395.8
fwS=1.66
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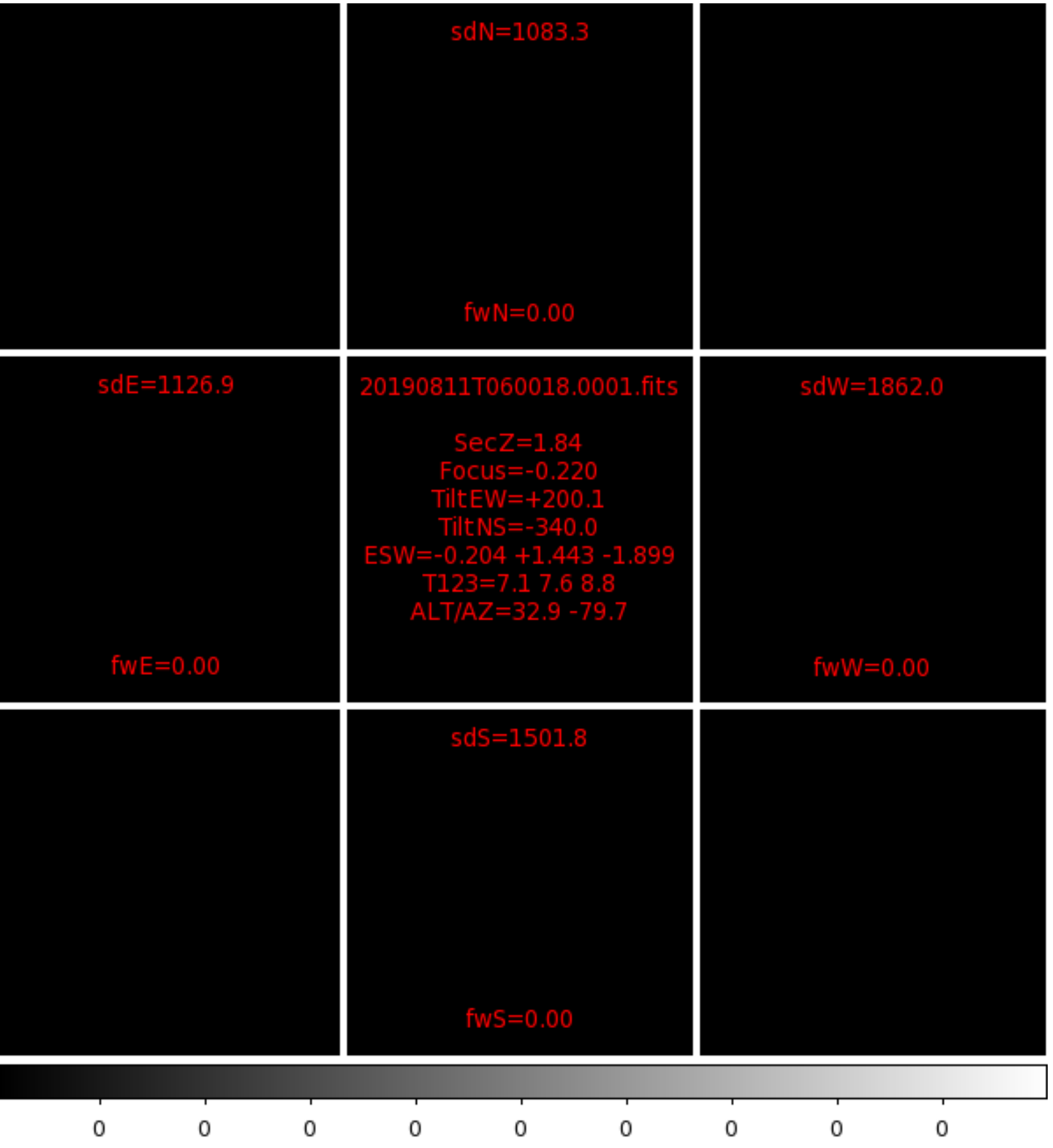
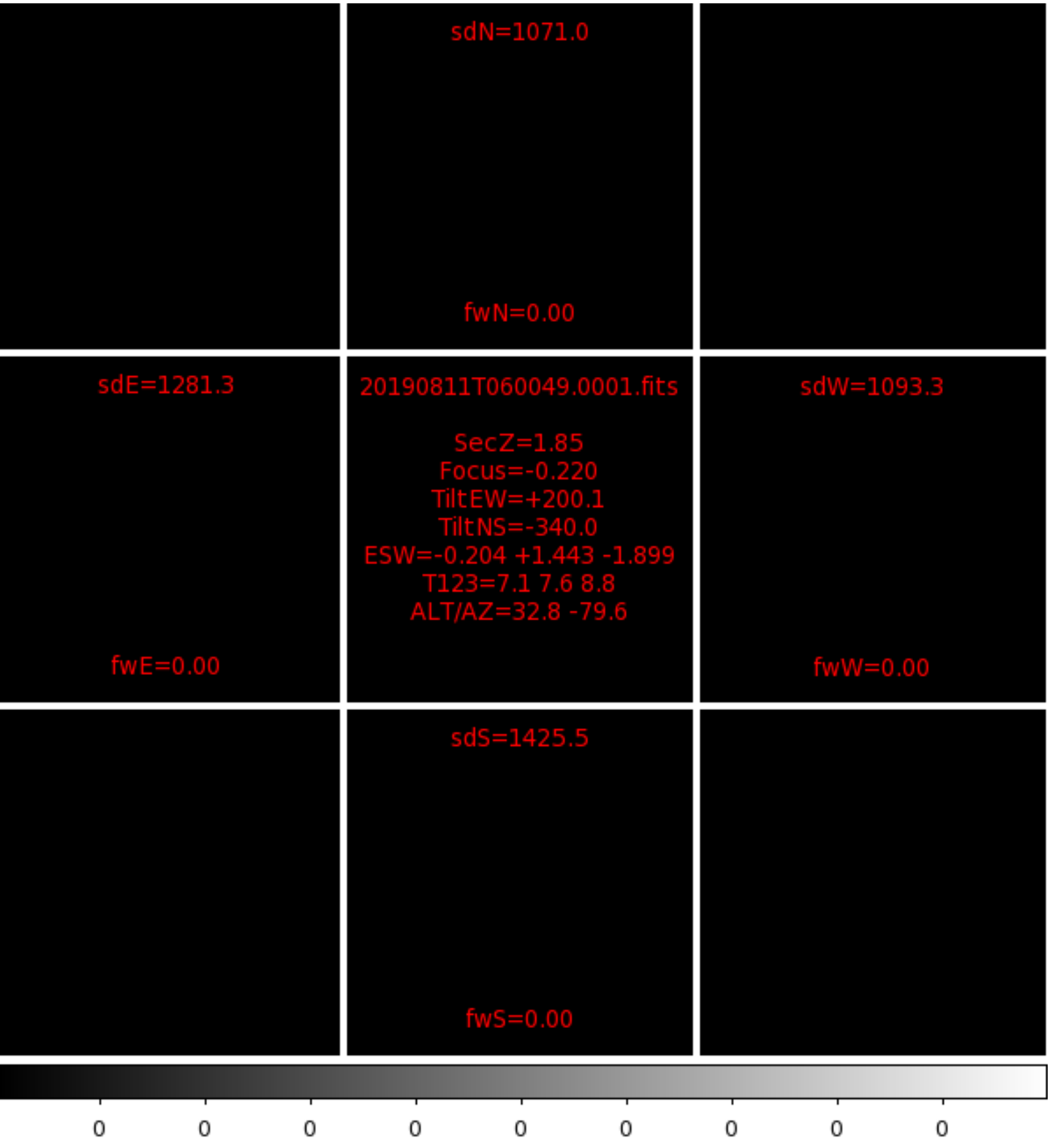

sdN=1083.3
fwN=0.00
sdE=1126.9
fwE=0.00
20190811T060018.0001.fits
SecZ=1.84
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.1 7.6 8.8
ALT/AZ=32.9 -79.7
sdW=1862.0
fwW=0.00
sdS=1501.8
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=1071.0
fwN=0.00
sdE=1281.3
fwE=0.00
20190811T060049.0001.fits
SecZ=1.85
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.1 7.6 8.8
ALT/AZ=32.8 -79.6
sdW=1093.3
fwW=0.00
sdS=1425.5
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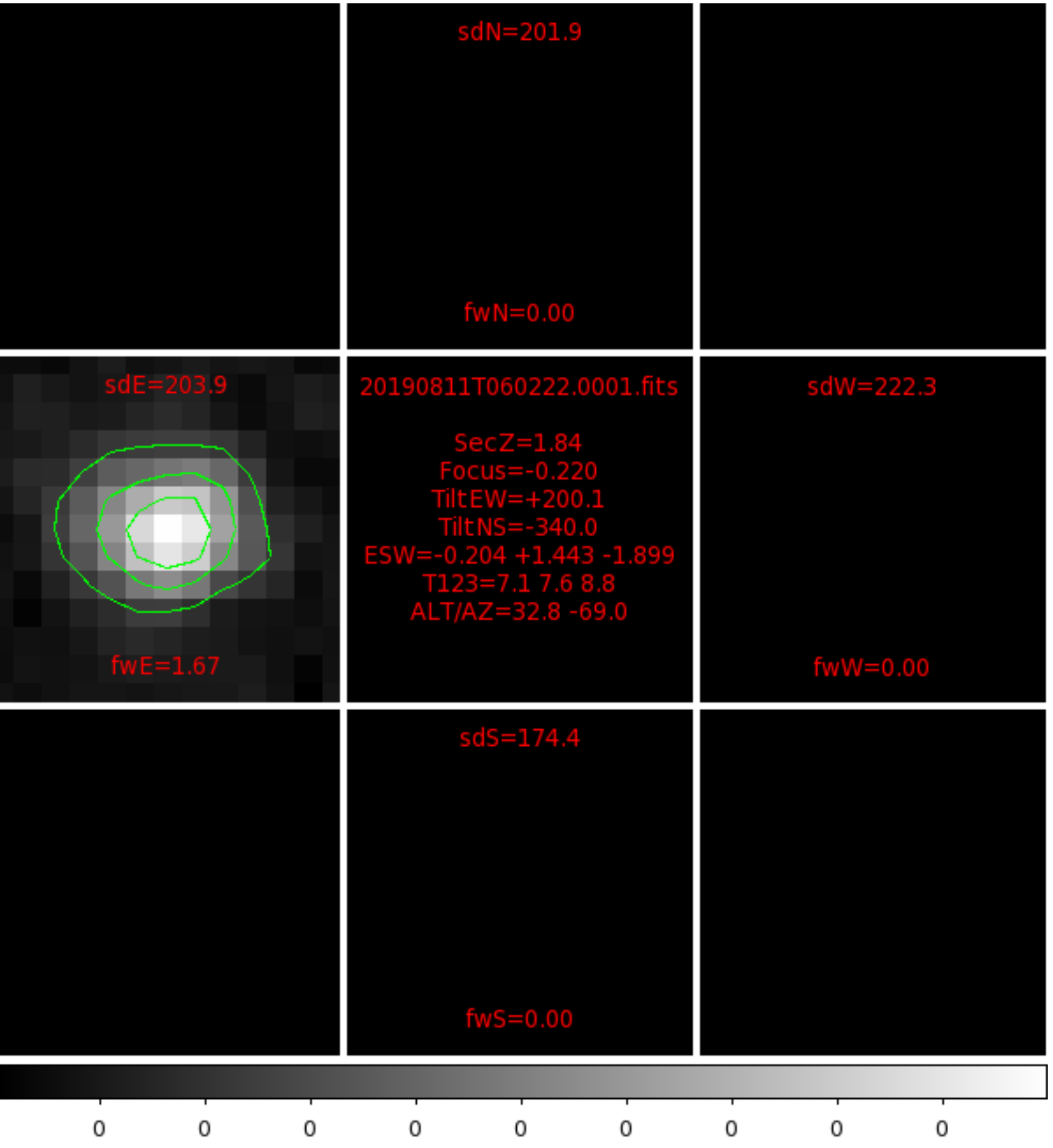
sdN=201.9
fwN=0.00
sdE=203.9
fwE=1.67
20190811T060222.0001.fits
SecZ=1.84
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.1 7.6 8.8
ALT/AZ=32.8 -69.0
sdW=222.3
fwW=0.00
sdS=174.4
fwS=0.00
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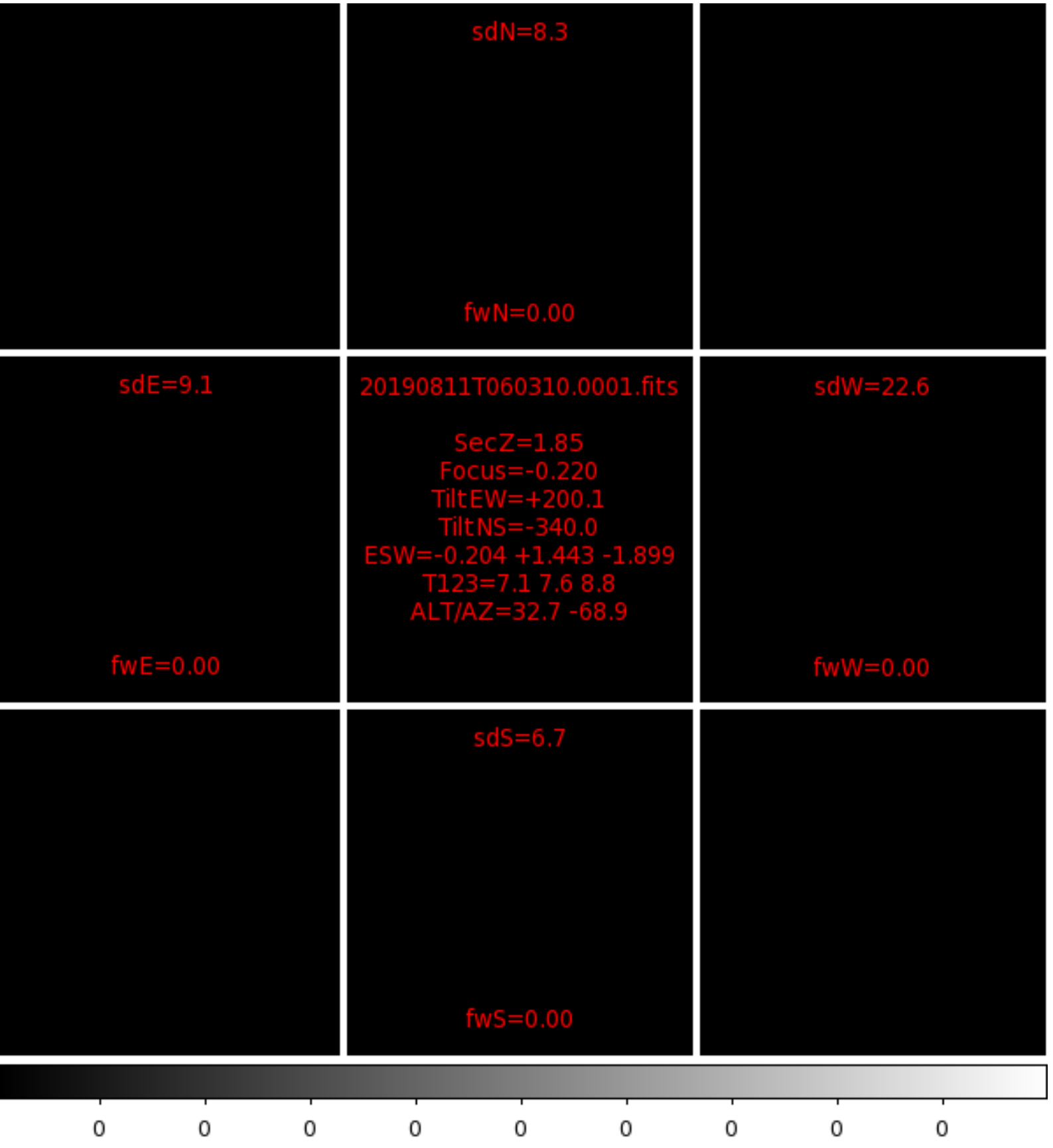
sdN=8.3
fwN=0.00
sdE=9.1
20190811T060310.0001.fits
SecZ=1.85
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.1 7.6 8.8
ALT/AZ=32.7 -68.9
sdW=22.6
fwE=0.00
fwW=0.00
sdS=6.7
fwS=0.00
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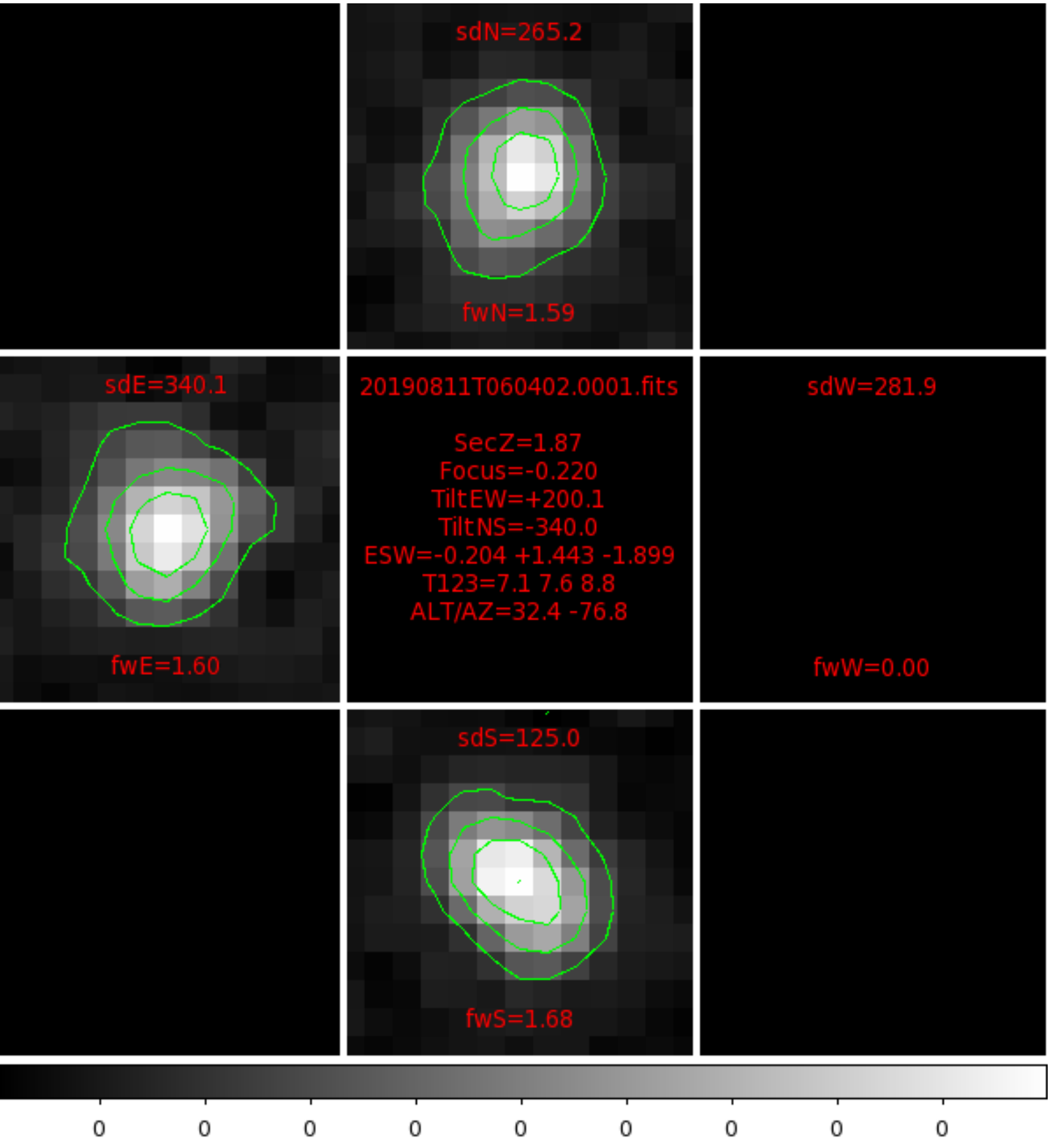
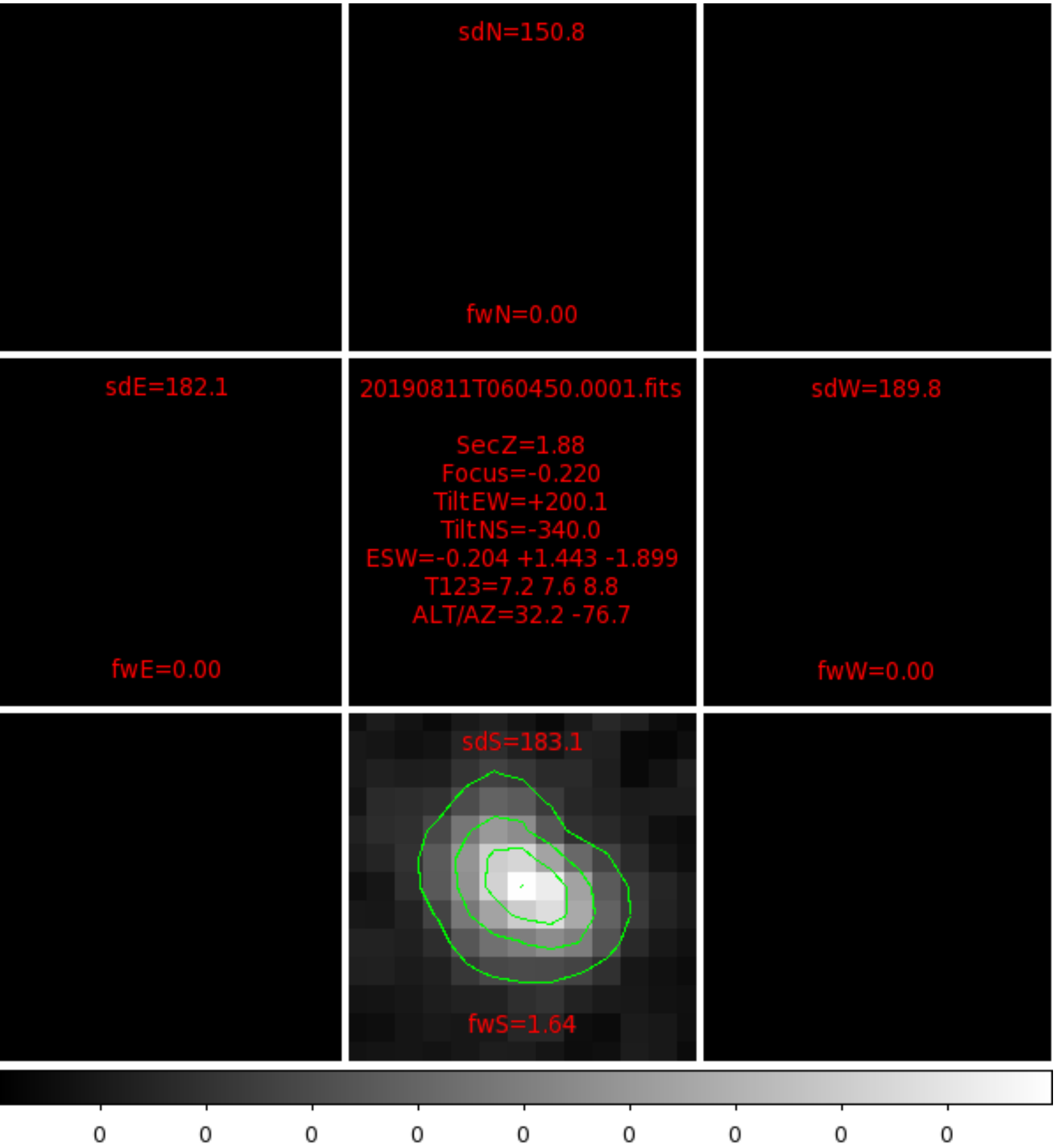

sdN=265.2
fwN=1.59
sdE=340.1
fwE=1.60
20190811T060402.0001.fits
SecZ=1.87
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.1 7.6 8.8
ALT/AZ=32.4 -76.8
sdW=281.9
fwW=0.00
sdS=125.0
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=150.8
fwN=0.00
sdE=182.1
fwE=0.00
20190811T060450.0001.fits
SecZ=1.88
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.2 7.6 8.8
ALT/AZ=32.2 -76.7
sdW=189.8
fwW=0.00
sdS=183.1
fwS=1.64
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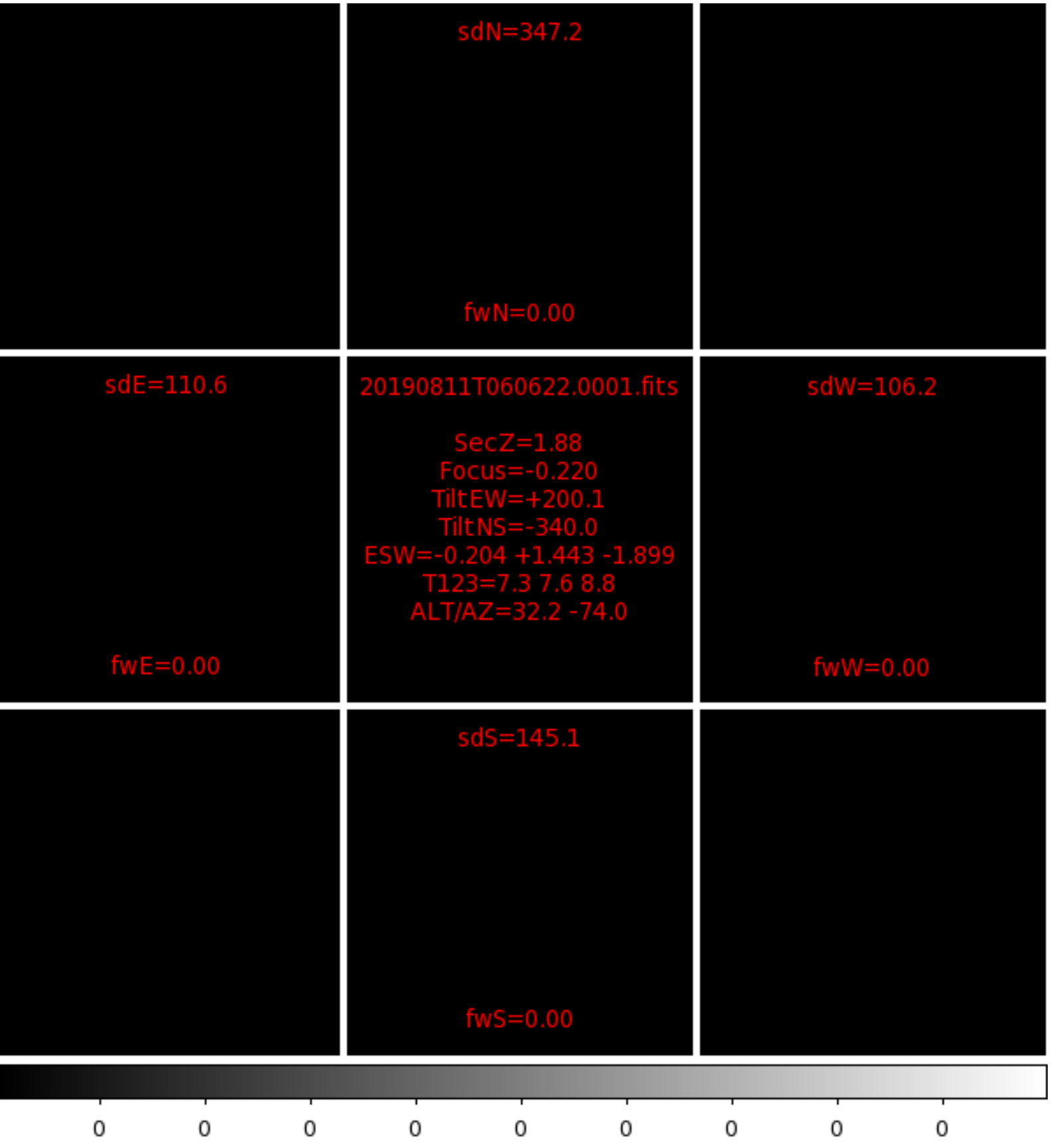
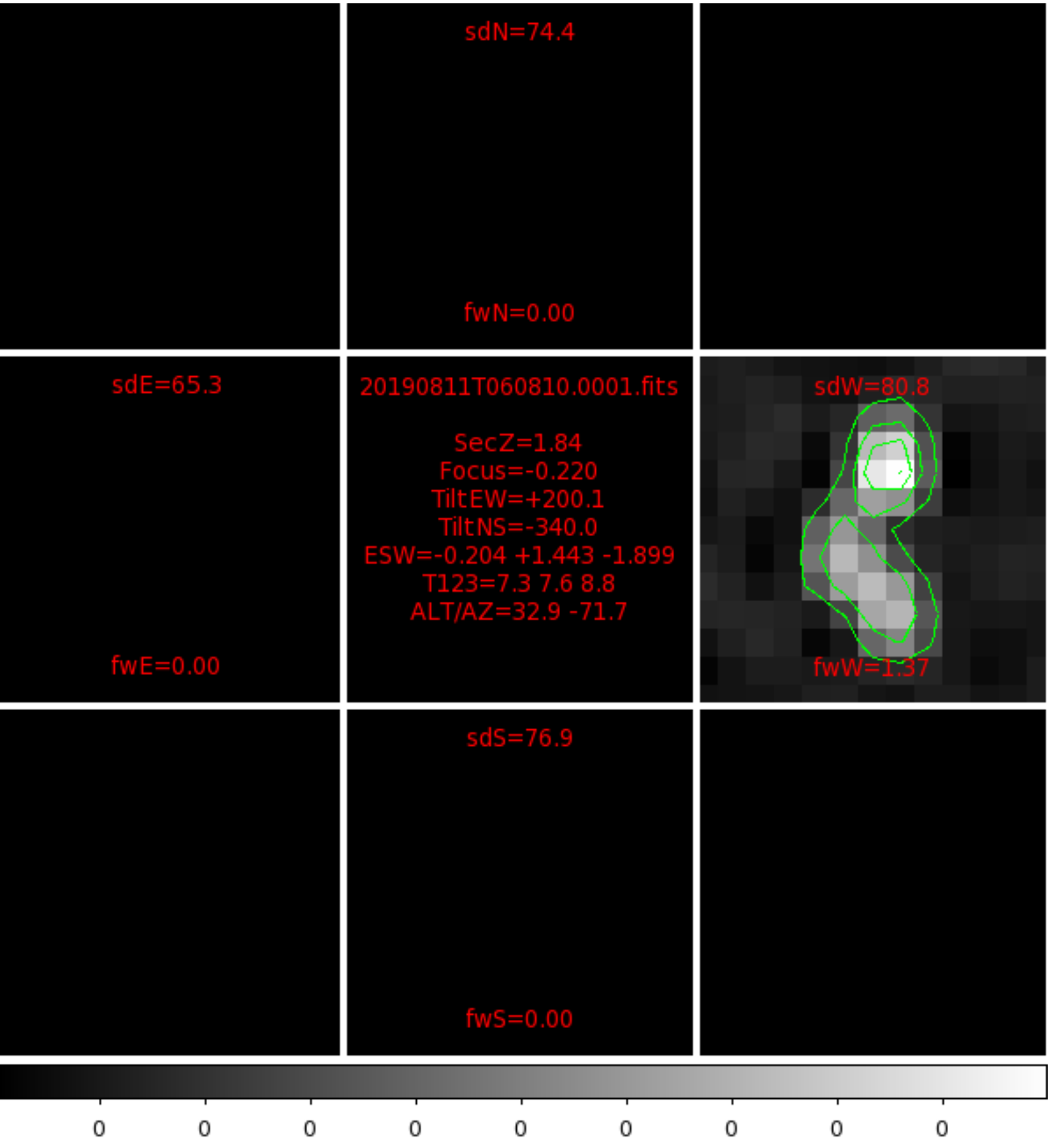

sdN=347.2
fwN=0.00
sdE=110.6
20190811T060622.0001.fits
SecZ=1.88
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.3 7.6 8.8
ALT/AZ=32.2 -74.0
sdW=106.2
fwE=0.00
fwW=0.00
sdS=145.1
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=74.4
fwN=0.00
sdE=65.3
fwE=0.00
20190811T060810.0001.fits
SecZ=1.84
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.3 7.6 8.8
ALT/AZ=32.9 -71.7
sdW=80.8
fwW=1.37
sdS=76.9
fwS=0.00
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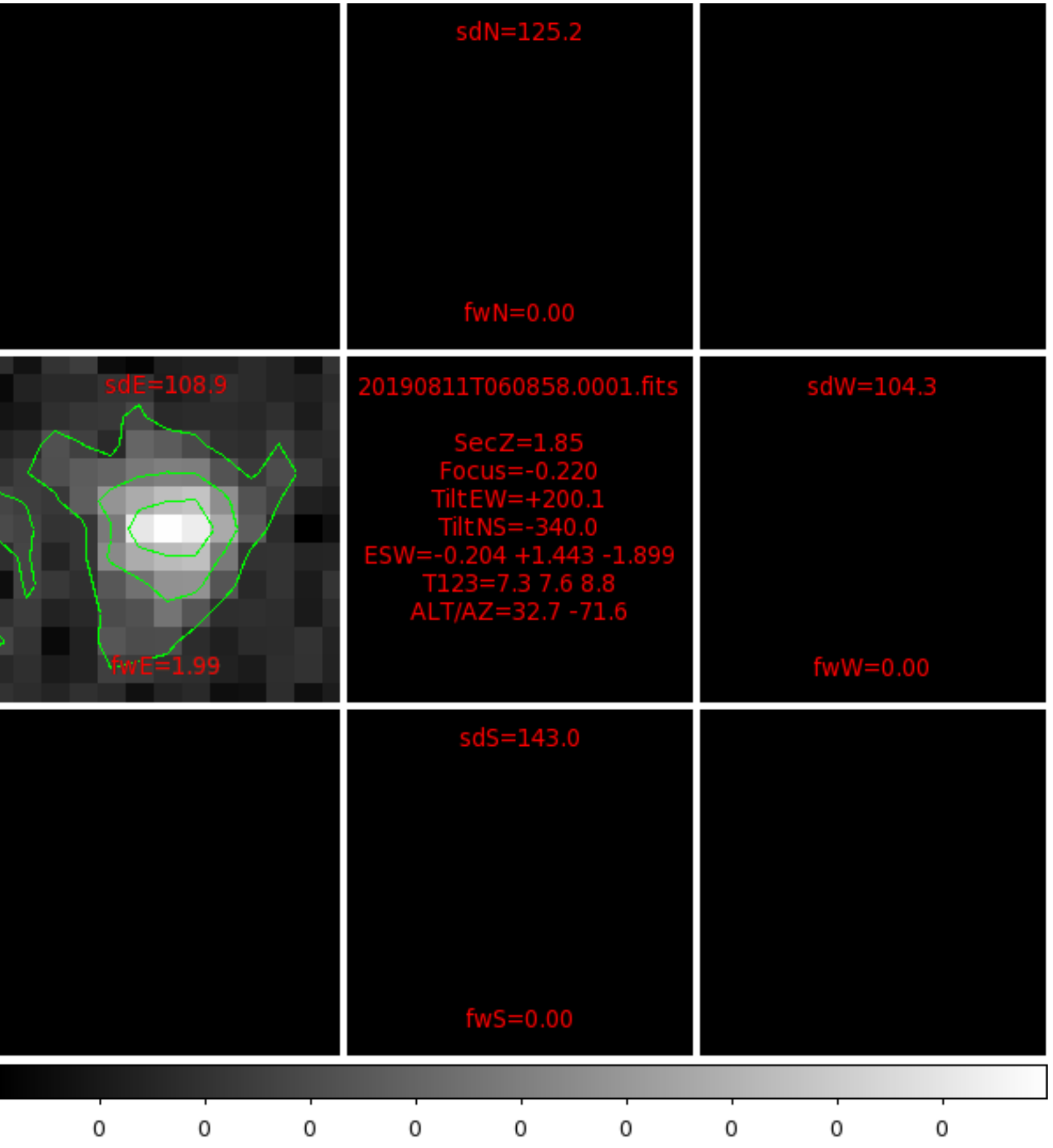
sdN=125.2
fwN=0.00
sdE=108.9
fwE=1.99
20190811T060858.0001.fits
SecZ=1.85
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.3 7.6 8.8
ALT/AZ=32.7 -71.6
sdW=104.3
fwW=0.00
sdS=143.0
fwS=0.00
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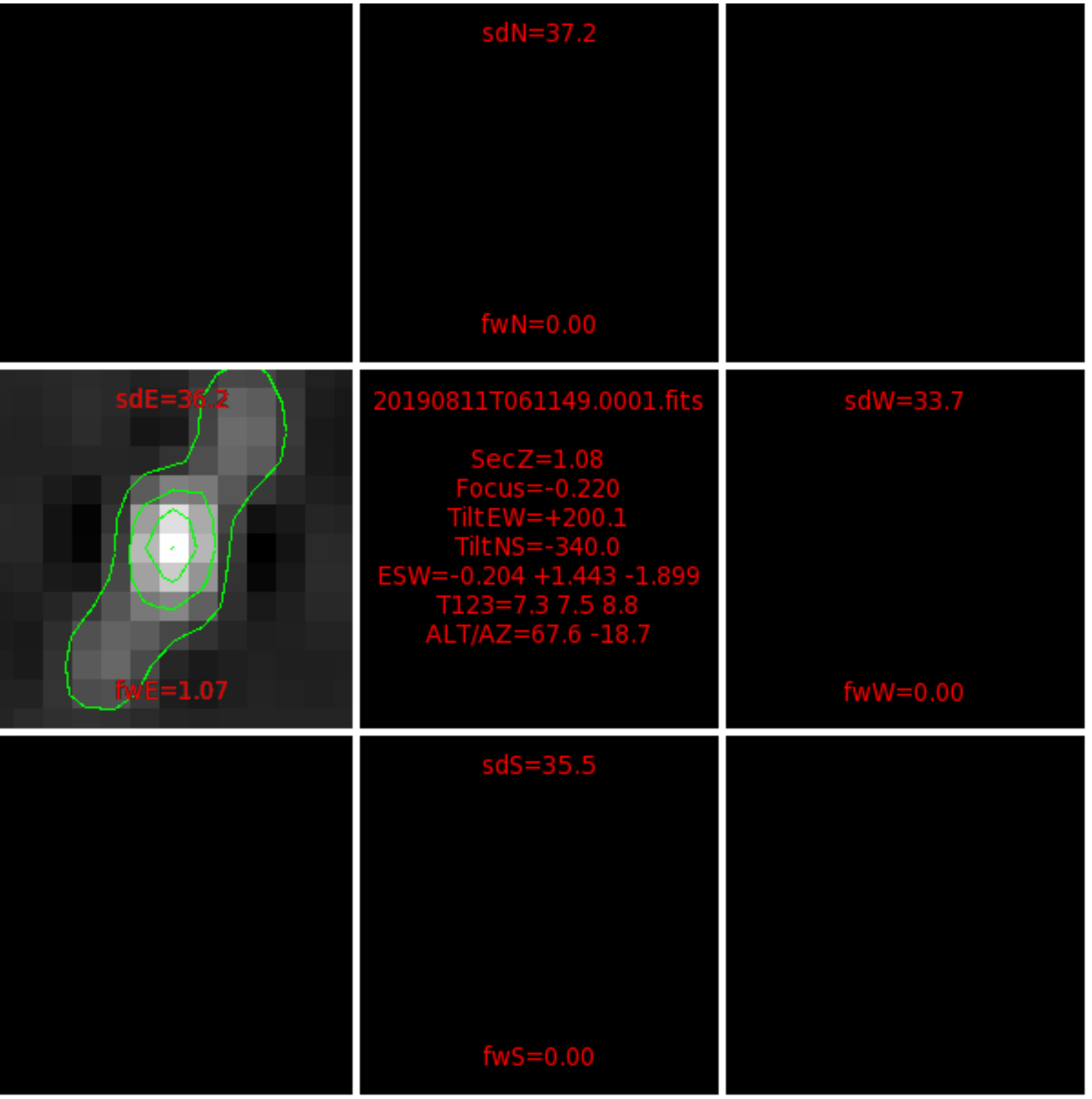
sdN=37.2
fwN=0.00
sdE=36.2
fwE=1.07
20190811T061149.0001.fits
SecZ=1.08
Focus=-0.220
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.204 +1.443 -1.899
T123=7.3 7.5 8.8
ALT/AZ=67.6 -18.7
sdW=33.7
fwW=0.00
sdS=35.5
fwS=0.00
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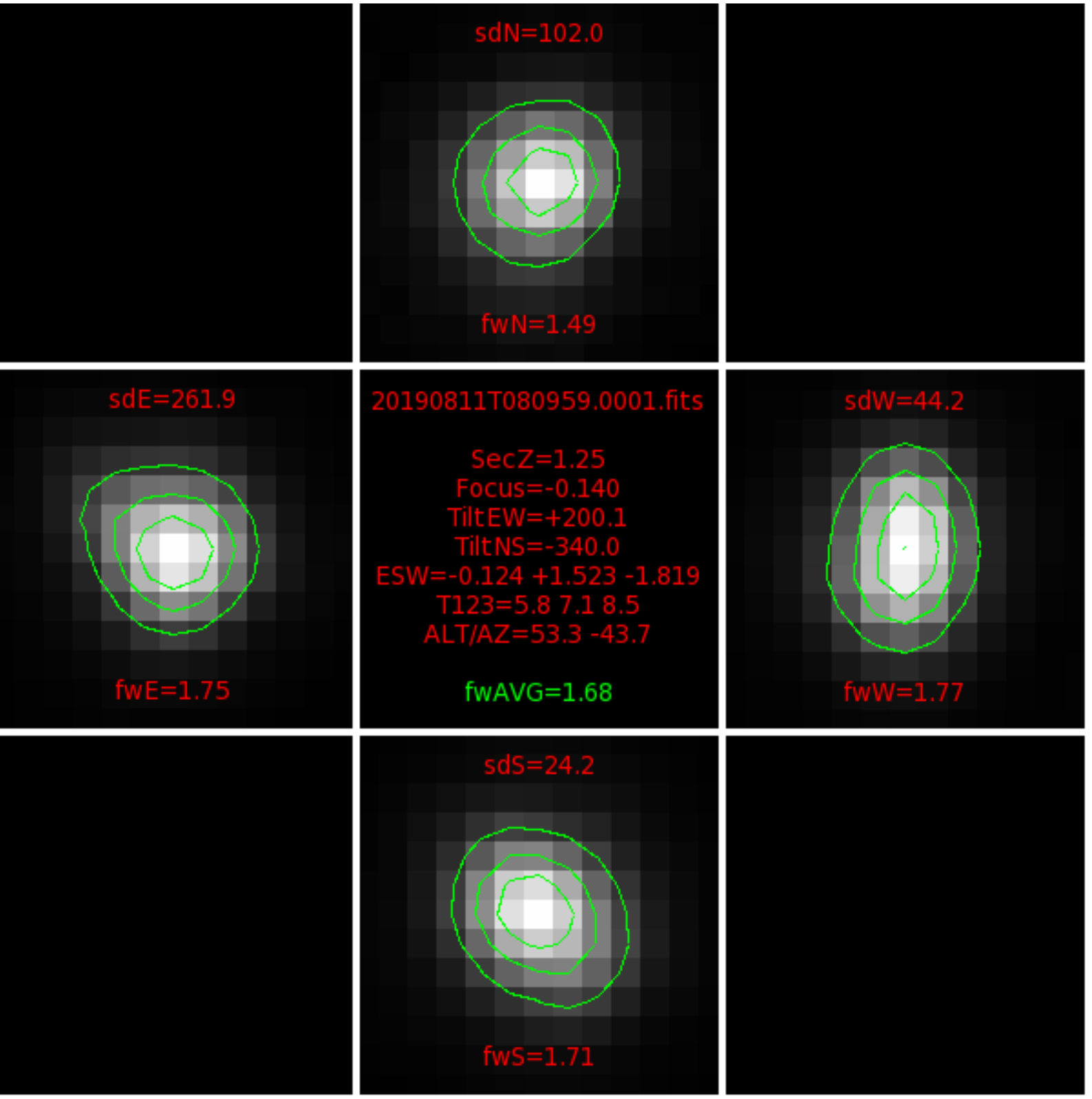
sdN=102.0
fwN=1.49
sdE=261.9
fwE=1.75
20190811T080959.0001.fits
SecZ=1.25
Focus=-0.140
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.124 +1.523 -1.819
T123=5.8 7.1 8.5
ALT/AZ=53.3 -43.7
fwAVG=1.68
sdW=44.2
fwW=1.77
sdS=24.2
fwS=1.71
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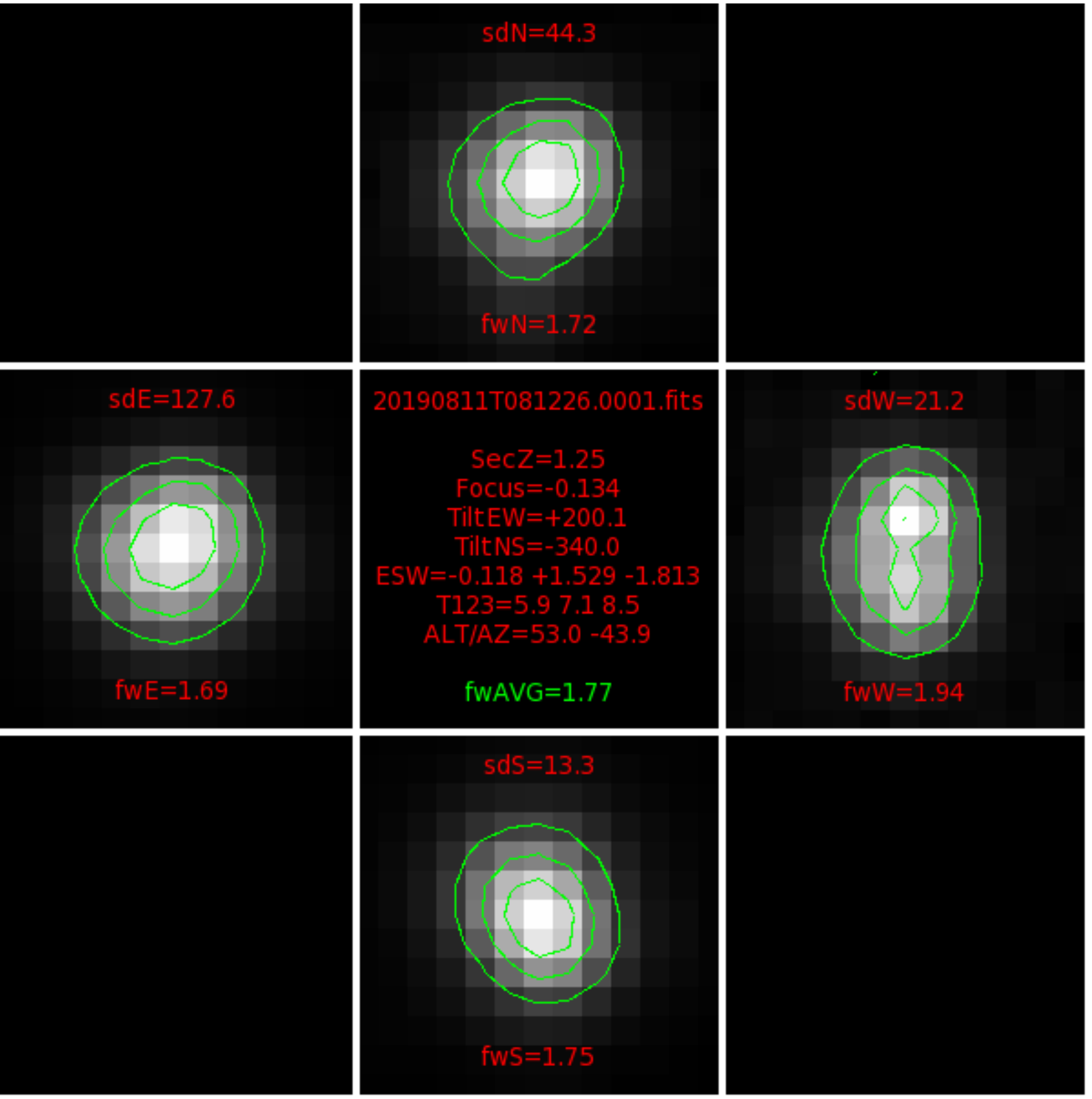
sdN=44.3
fwN=1.72
sdE=127.6
fwE=1.69
20190811T081226.0001.fits
SecZ=1.25
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=5.9 7.1 8.5
ALT/AZ=53.0 -43.9
fwAVG=1.77
sdW=21.2
fwW=1.94
sdS=13.3
fwS=1.75
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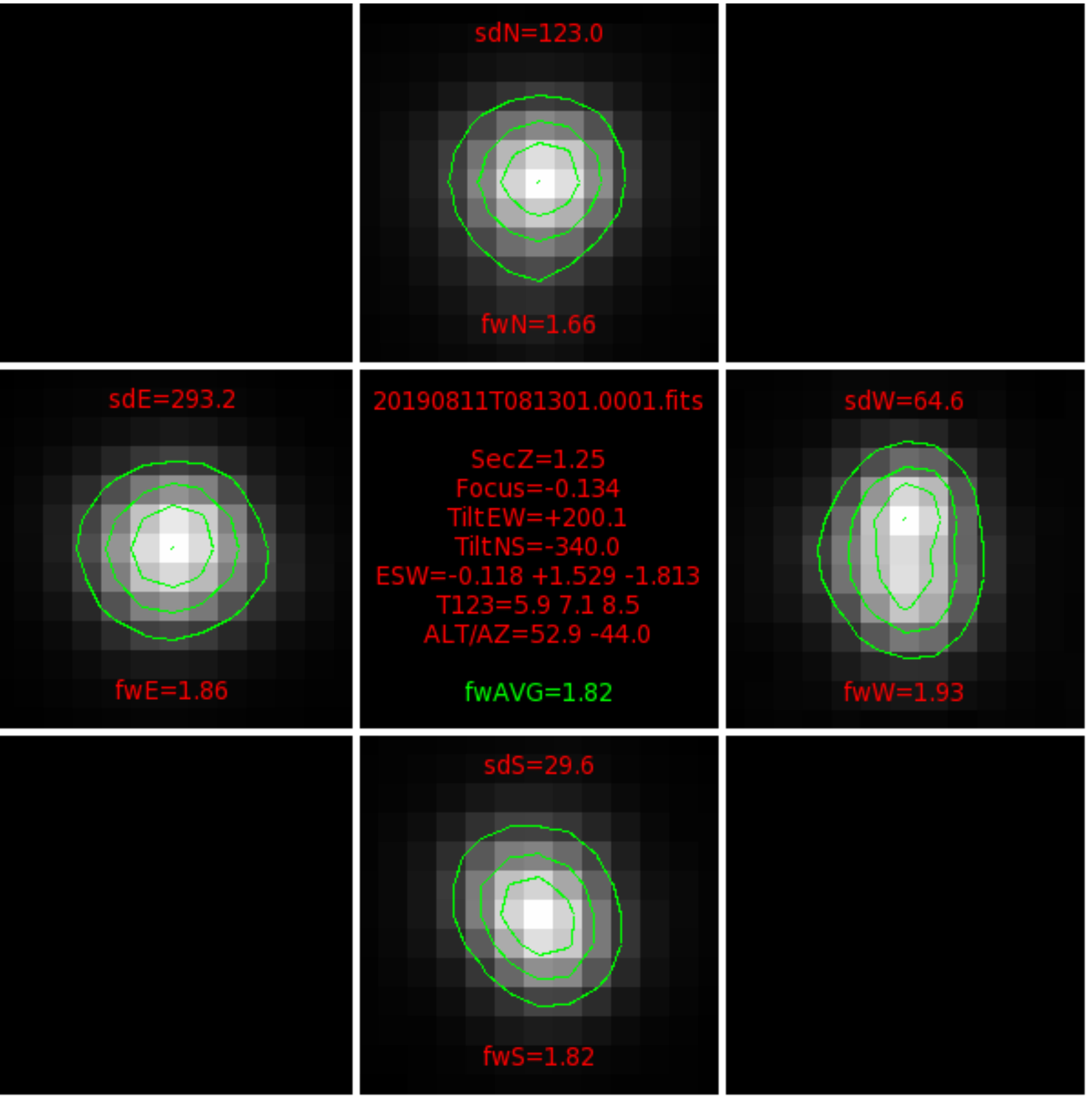
sdN=123.0
fwN=1.66
sdE=293.2
fwE=1.86
20190811T081301.0001.fits
SecZ=1.25
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=5.9 7.1 8.5
ALT/AZ=52.9 -44.0
fwAVG=1.82
sdW=64.6
fwW=1.93
sdS=29.6
fwS=1.82
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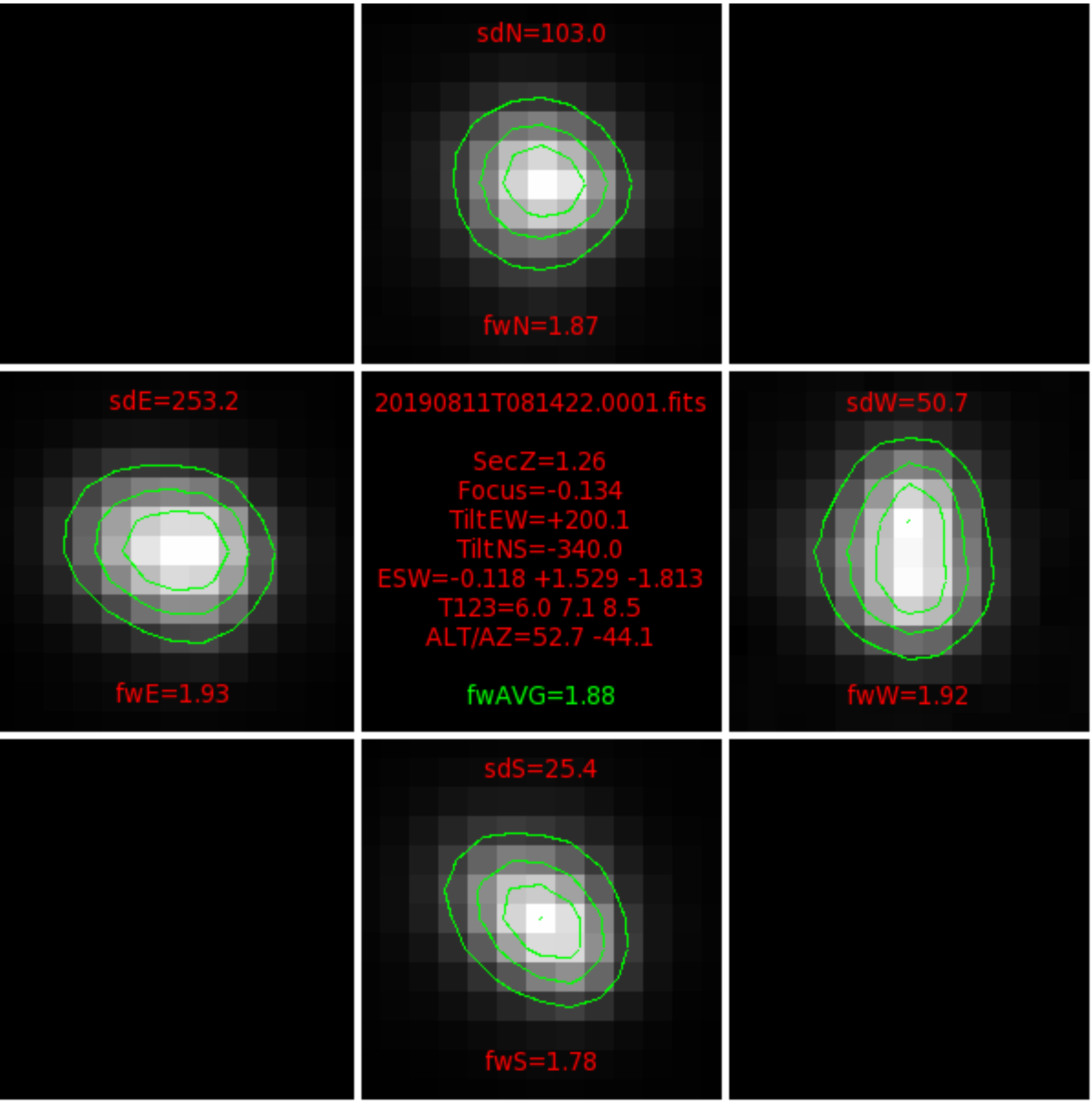
sdN=103.0
fwN=1.87
sdE=253.2
fwE=1.93
20190811T081422.0001.fits
SecZ=1.26
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.0 7.1 8.5
ALT/AZ=52.7 -44.1
fwAVG=1.88
sdW=50.7
fwW=1.92
sdS=25.4
fwS=1.78
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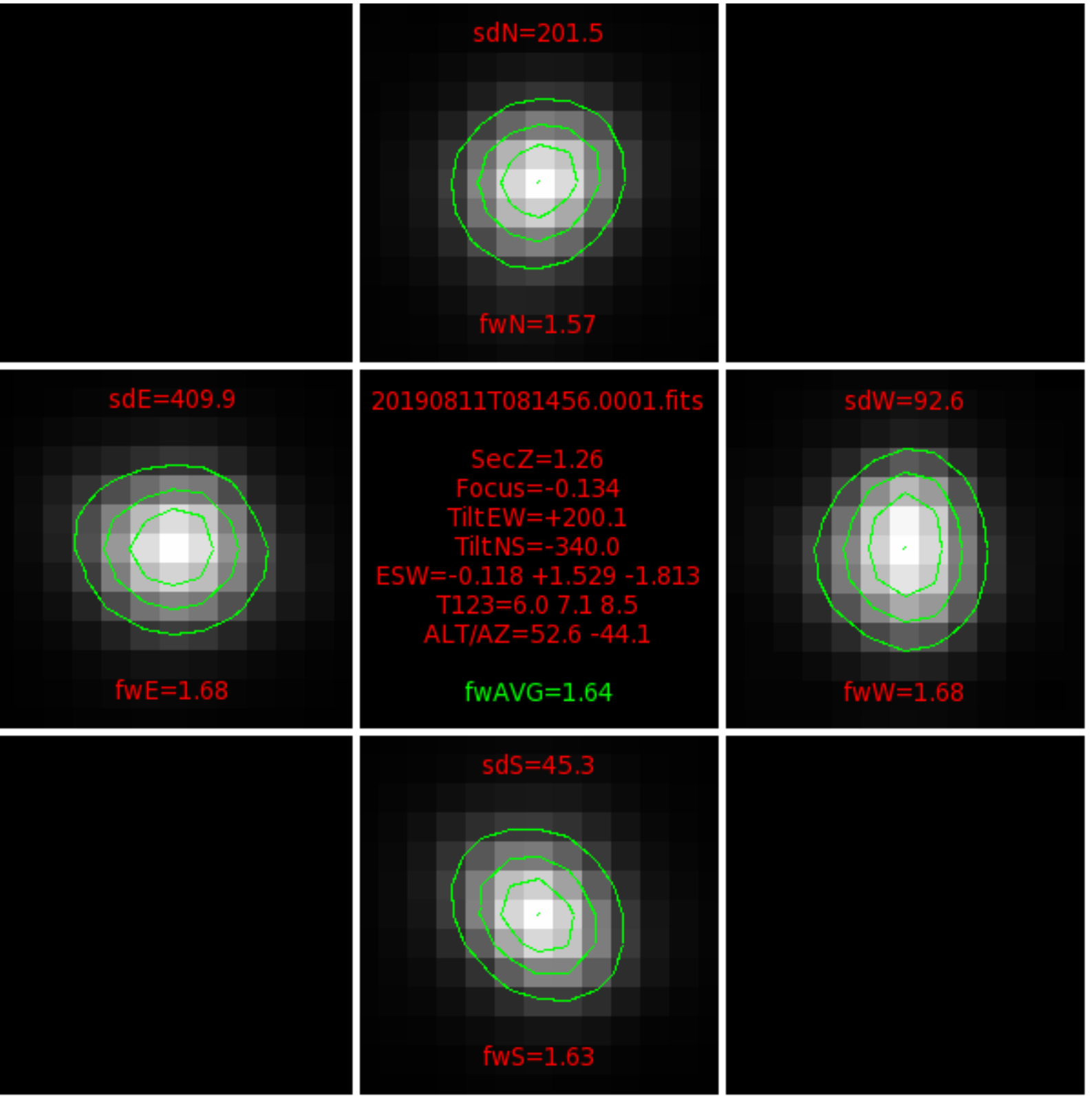
sdN=201.5
fwN=1.57
sdE=409.9
fwE=1.68
20190811T081456.0001.fits
SecZ=1.26
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.0 7.1 8.5
ALT/AZ=52.6 -44.1
fwAVG=1.64
sdW=92.6
fwW=1.68
sdS=45.3
fwS=1.63
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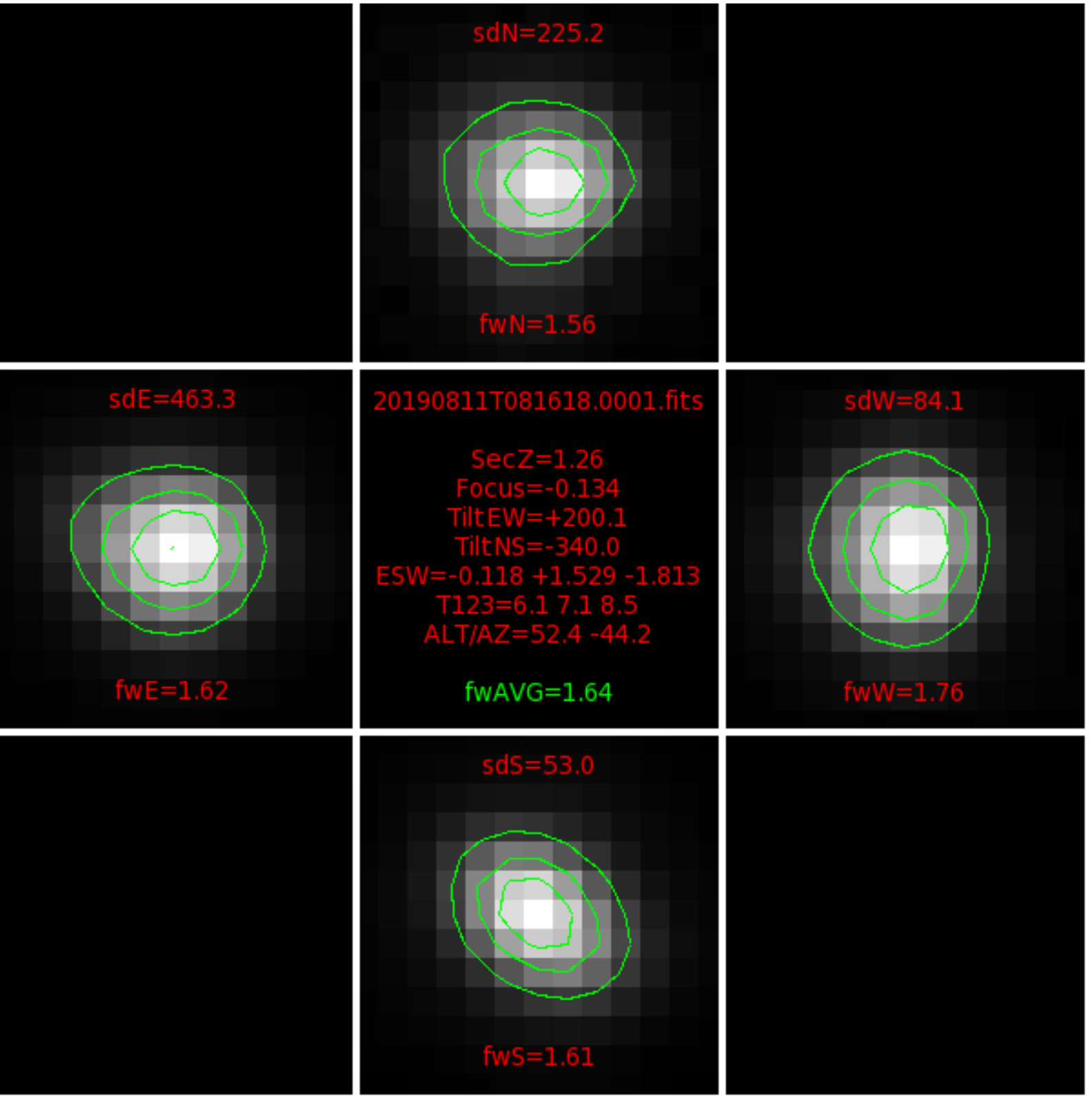
sdN=225.2
fwN=1.56
sdE=463.3
fwE=1.62
20190811T081618.0001.fits
SecZ=1.26
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.1 7.1 8.5
ALT/AZ=52.4 -44.2
fwAVG=1.64
sdW=84.1
fwW=1.76
sdS=53.0
fwS=1.61
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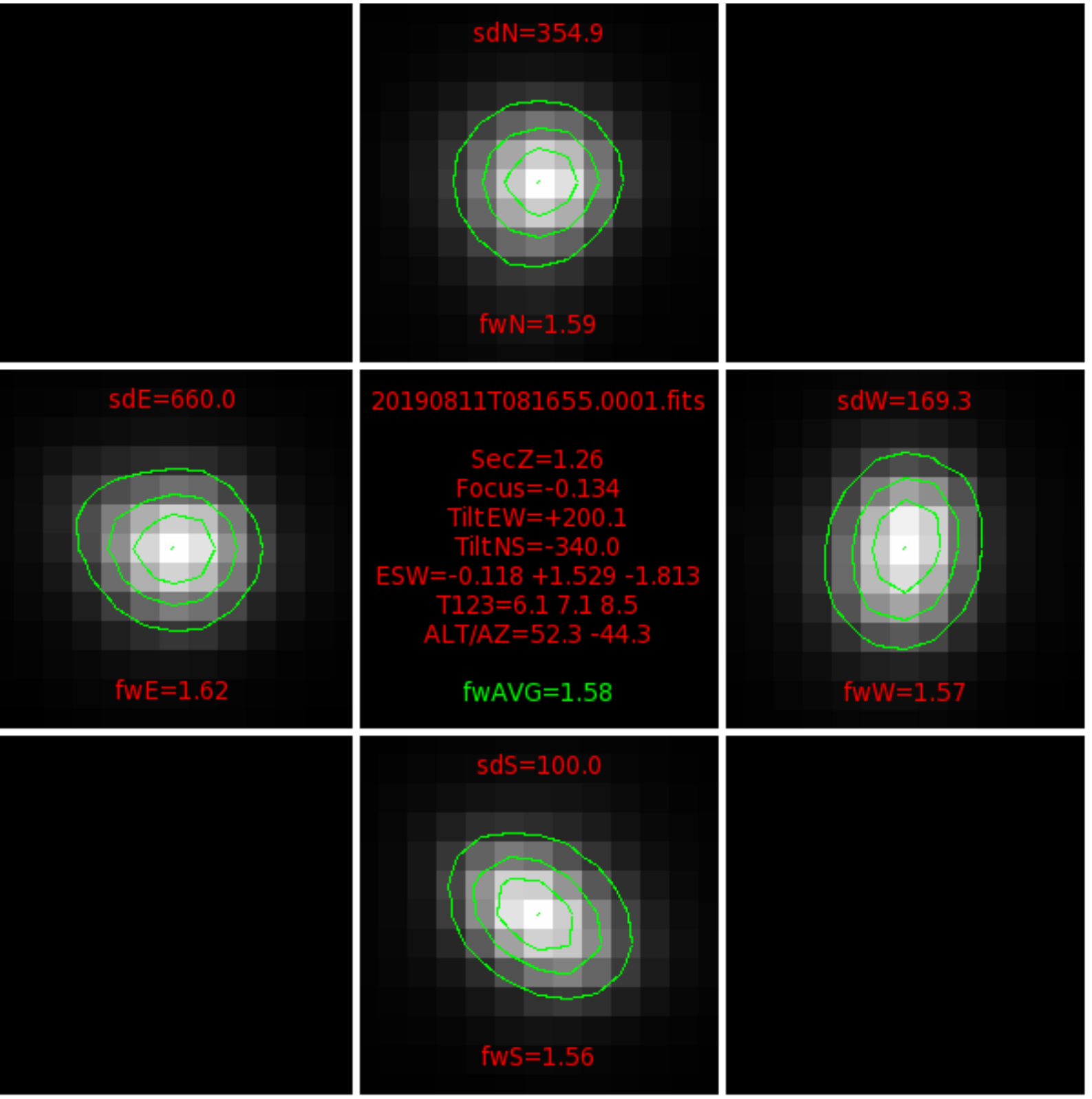
sdN=354.9
fwN=1.59
sdE=660.0
fwE=1.62
20190811T081655.0001.fits
SecZ=1.26
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.1 7.1 8.5
ALT/AZ=52.3 -44.3
fwAVG=1.58
sdW=169.3
fwW=1.57
sdS=100.0
fwS=1.56
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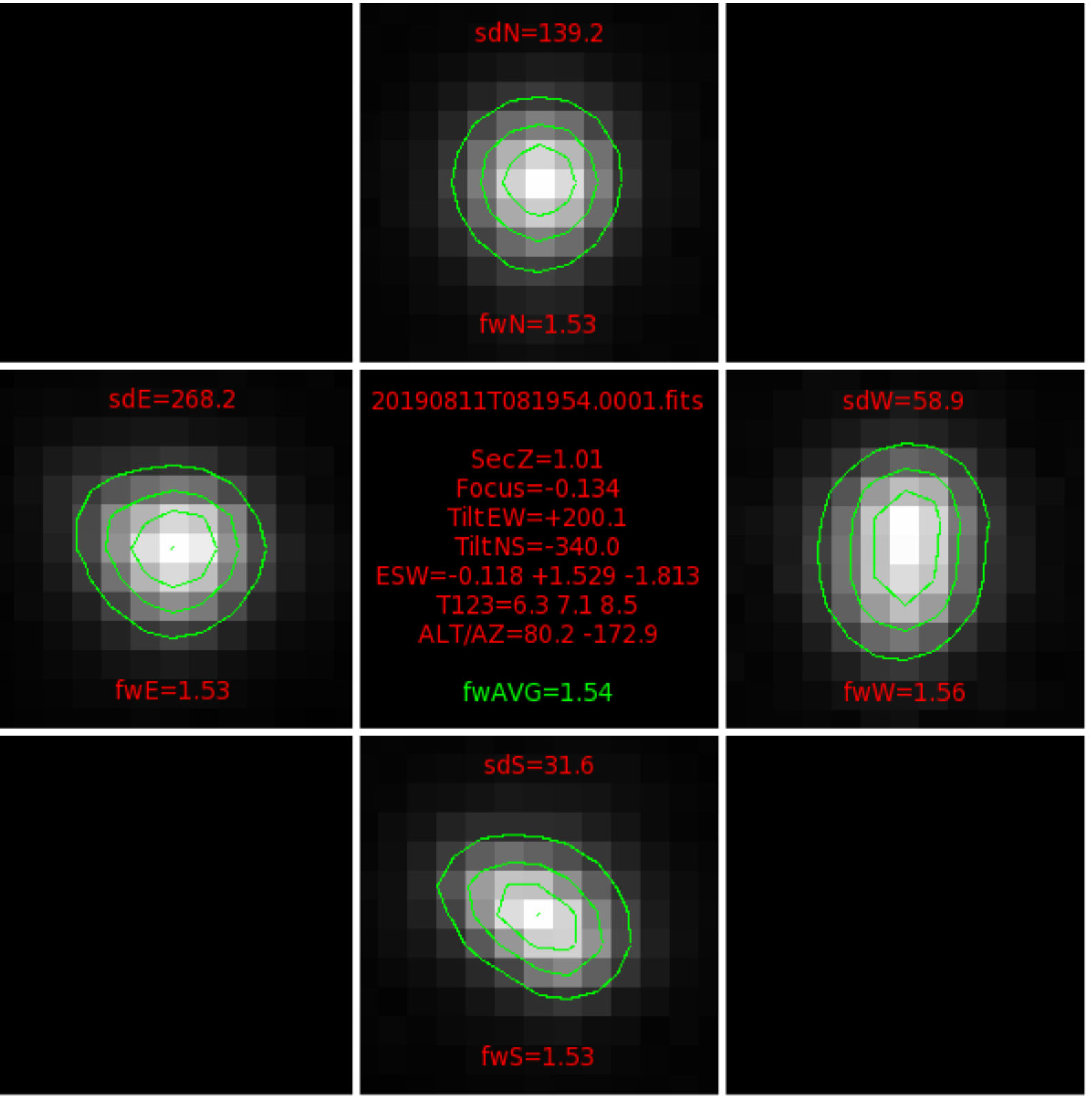
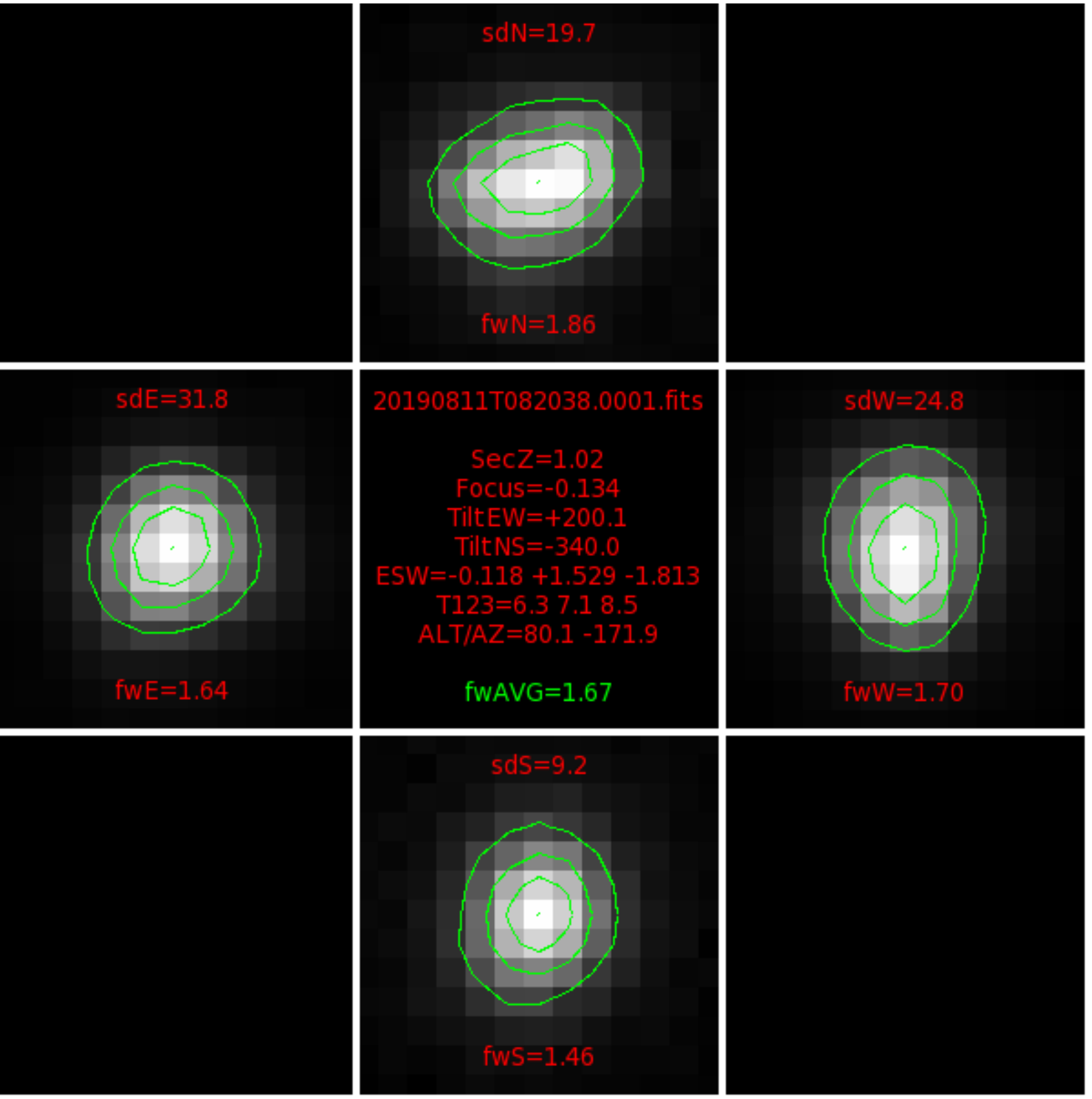

sdN=139.2
fwN=1.53
sdE=268.2
fwE=1.53
20190811T081954.0001.fits
SecZ=1.01
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.3 7.1 8.5
ALT/AZ=80.2 -172.9
fwAVG=1.54
sdW=58.9
fwW=1.56
sdS=31.6
fwS=1.53
0 0 0 0 0 0 0 0 0


sdN=19.7
fwN=1.86
sdE=31.8
fwE=1.64
20190811T082038.0001.fits
SecZ=1.02
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.3 7.1 8.5
ALT/AZ=80.1 -171.9
fwAVG=1.67
sdW=24.8
fwW=1.70
sdS=9.2
fwS=1.46
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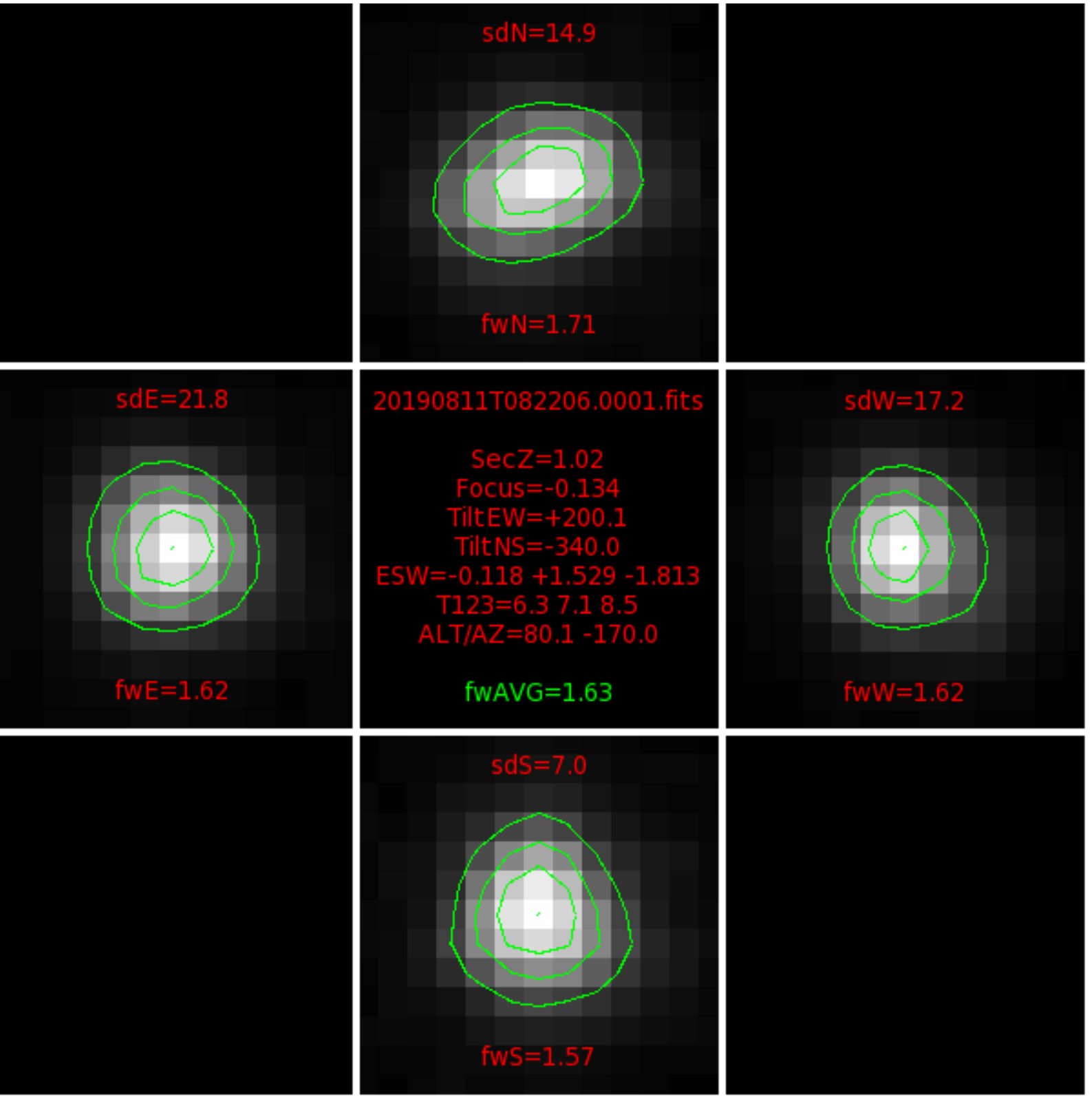
sdN=14.9
fwN=1.71
sdE=21.8
fwE=1.62
20190811T082206.0001.fits
SecZ=1.02
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.3 7.1 8.5
ALT/AZ=80.1 -170.0
fwAVG=1.63
sdW=17.2
fwW=1.62
sdS=7.0
fwS=1.57
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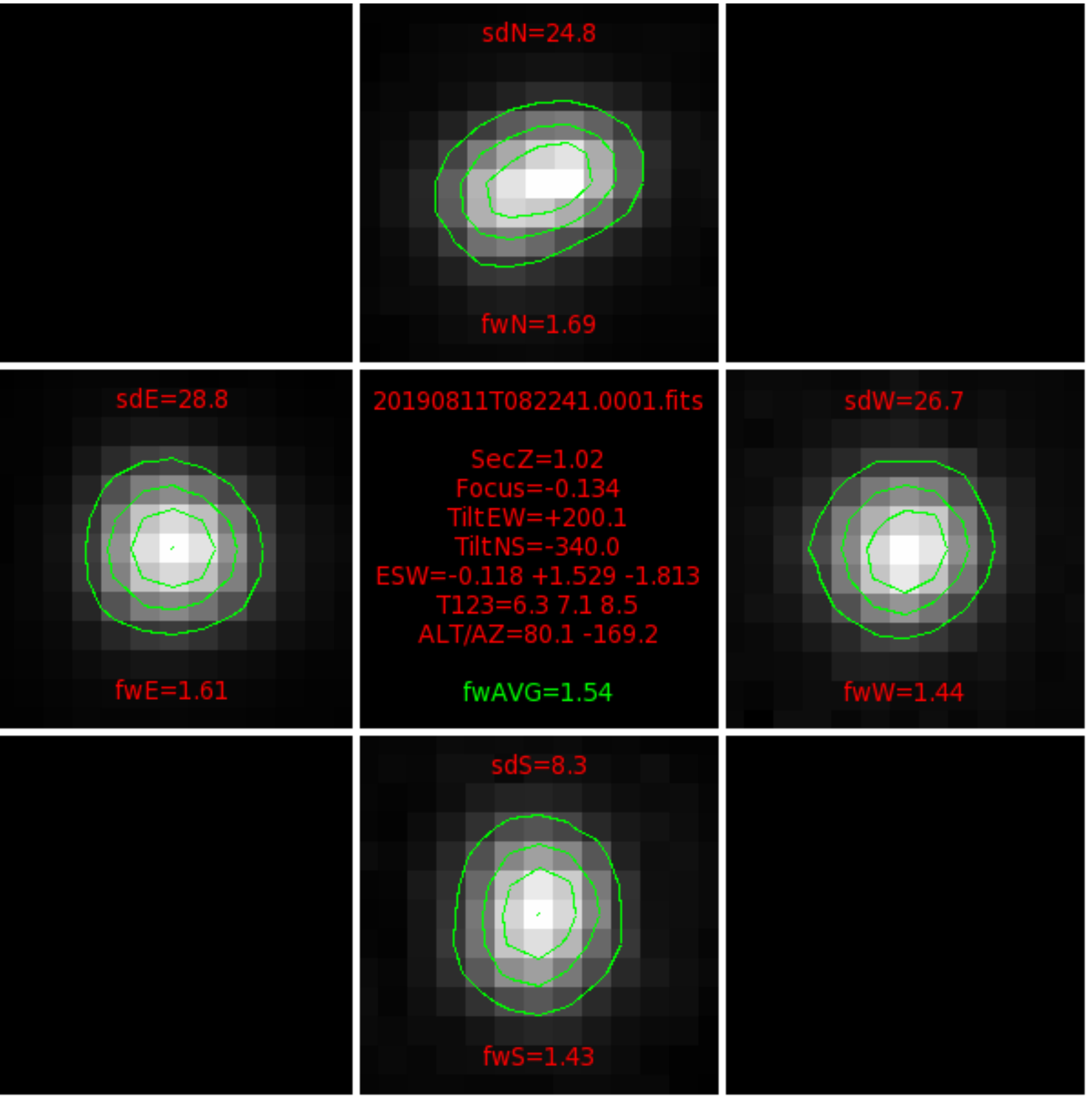
sdN=24.8
fwN=1.69
sdE=28.8
fwE=1.61
20190811T082241.0001.fits
SecZ=1.02
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.3 7.1 8.5
ALT/AZ=80.1 -169.2
fwAVG=1.54
sdW=26.7
fwW=1.44
sdS=8.3
fwS=1.43
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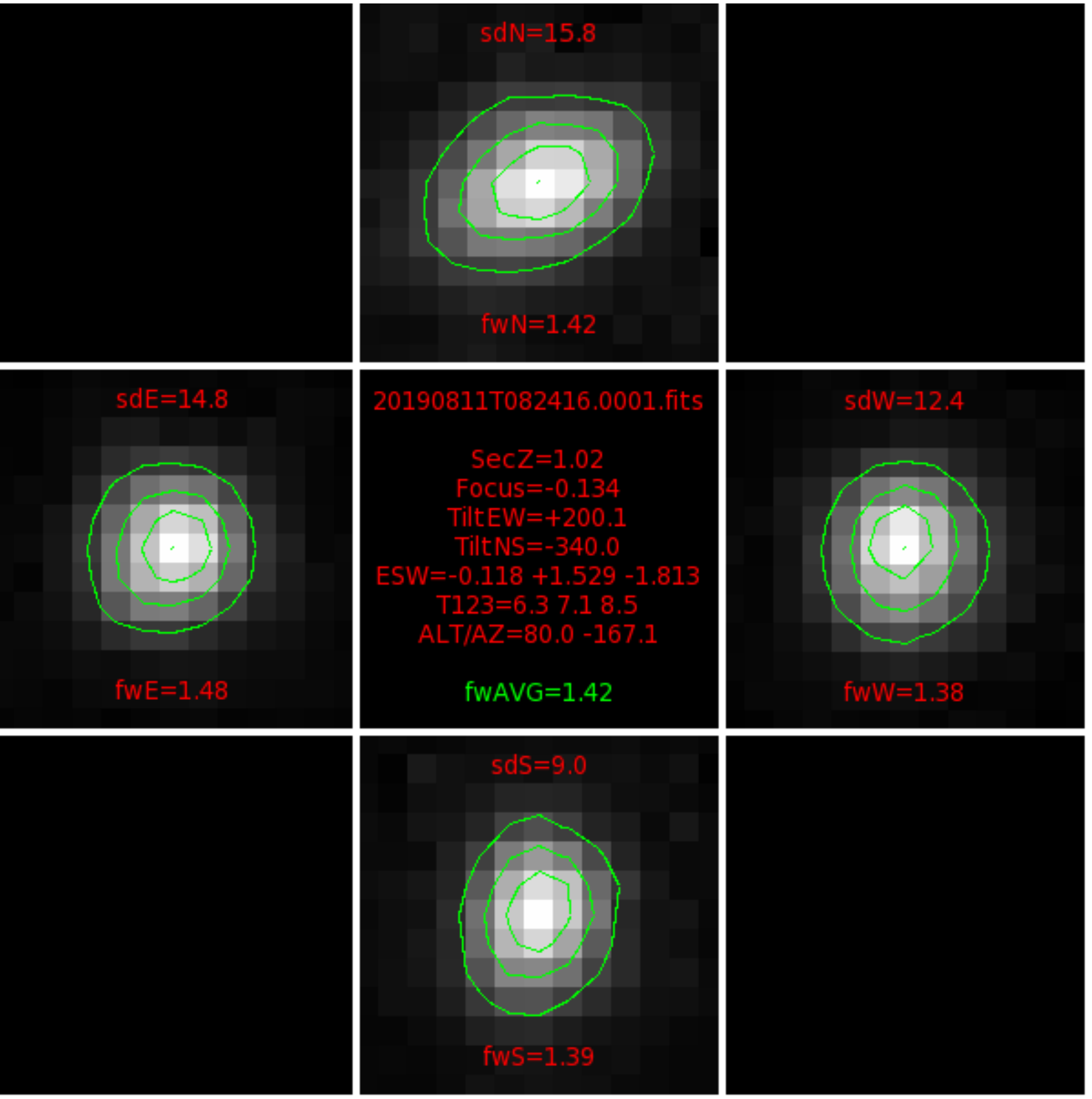
sdN=15.8
fwN=1.42
sdE=14.8
fwE=1.48
20190811T082416.0001.fits
SecZ=1.02
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.3 7.1 8.5
ALT/AZ=80.0 -167.1
fwAVG=1.42
sdW=12.4
fwW=1.38
sdS=9.0
fwS=1.39
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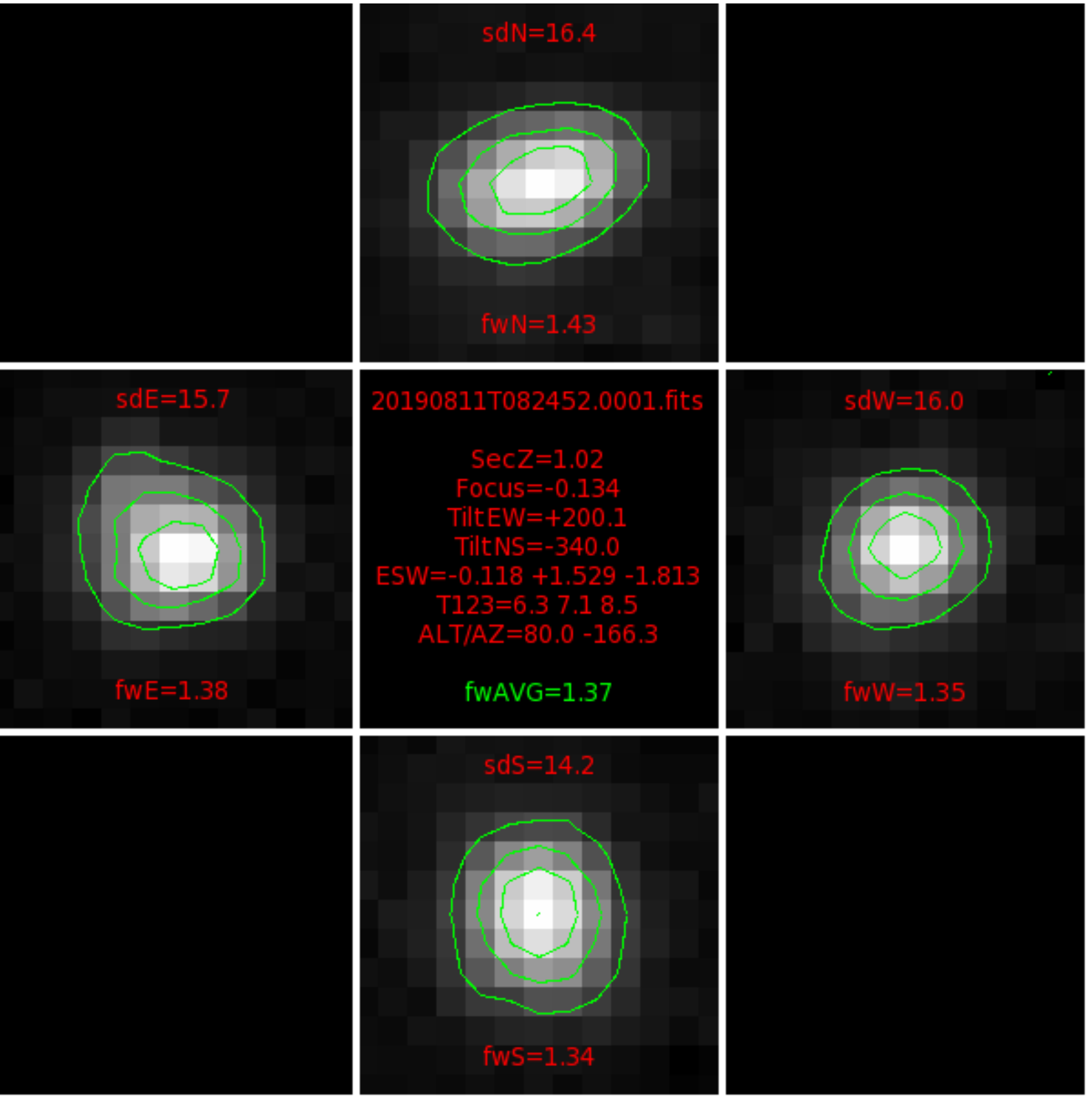
sdN=16.4
fwN=1.43
sdE=15.7
fwE=1.38
20190811T082452.0001.fits
SecZ=1.02
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.3 7.1 8.5
ALT/AZ=80.0 -166.3
fwAVG=1.37
sdW=16.0
fwW=1.35
sdS=14.2
fwS=1.34
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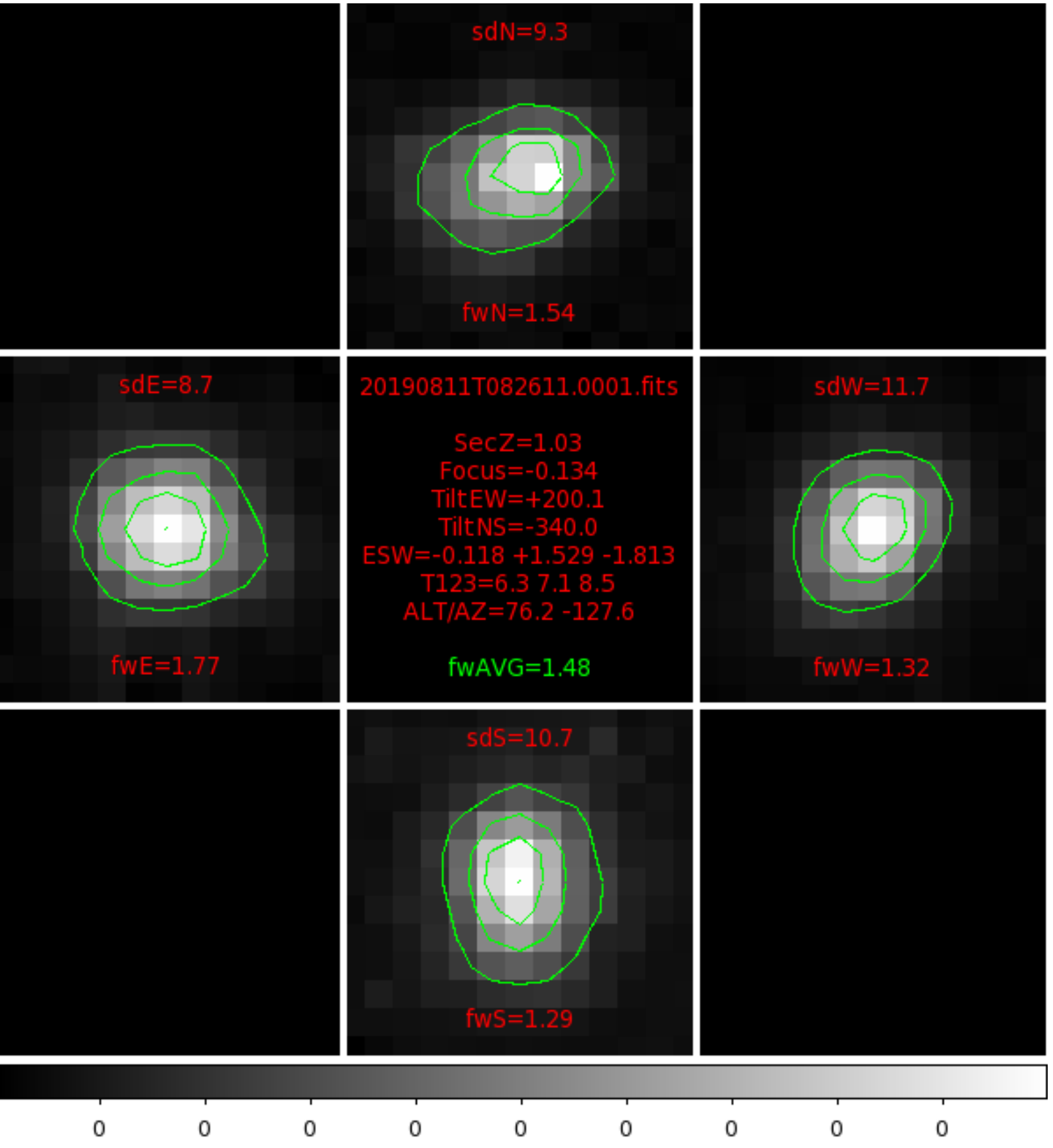
sdN=9.3
fwN=1.54
sdE=8.7
fwE=1.77
20190811T082611.0001.fits
SecZ=1.03
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.3 7.1 8.5
ALT/AZ=76.2 -127.6
fwAVG=1.48
sdW=11.7
fwW=1.32
sdS=10.7
fwS=1.29
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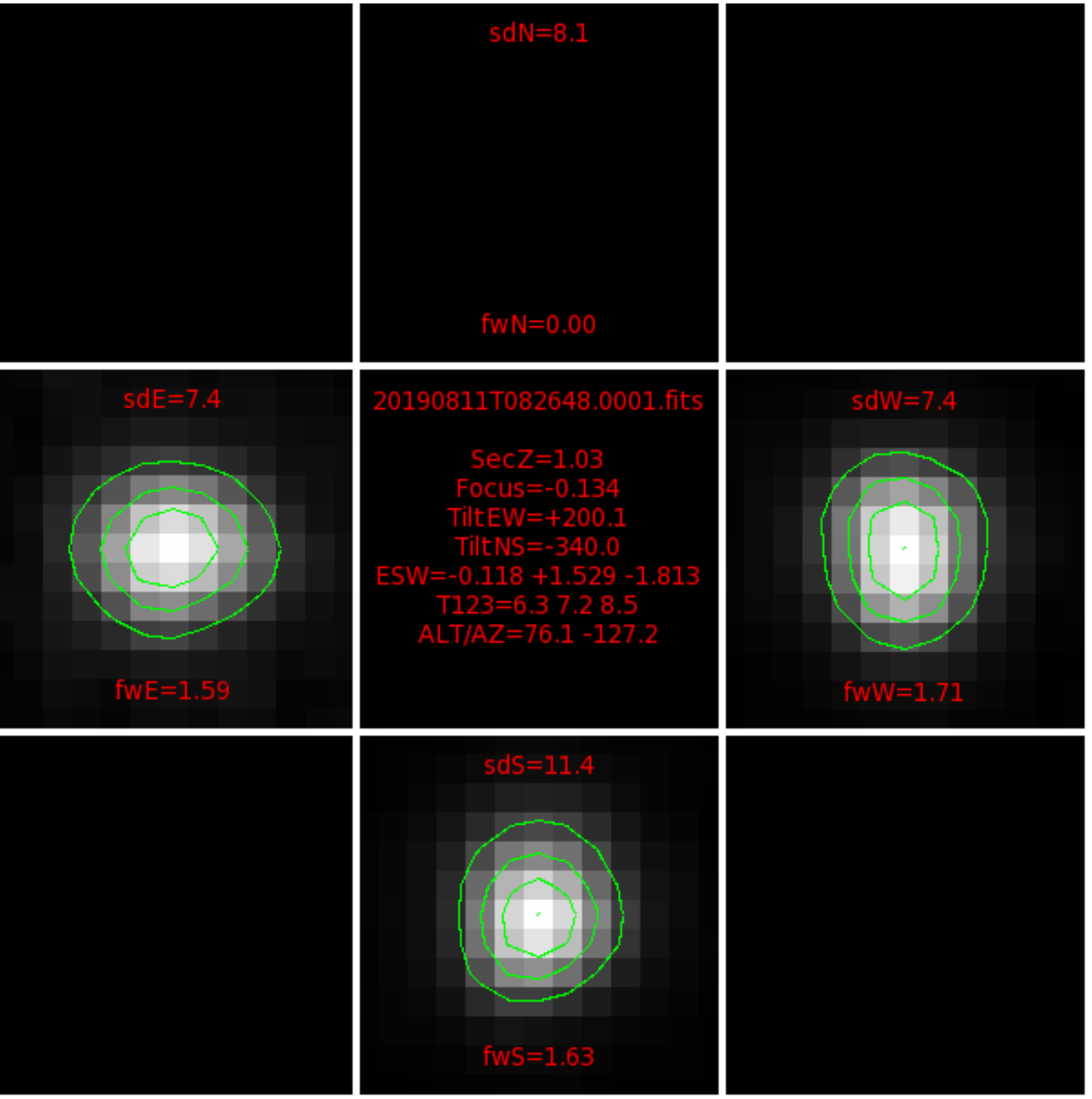
sdN=8.1
fwN=0.00
sdE=7.4
fwE=1.59
20190811T082648.0001.fits
SecZ=1.03
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.3 7.2 8.5
ALT/AZ=76.1 -127.2
sdW=7.4
fwW=1.71
sdS=11.4
fwS=1.63
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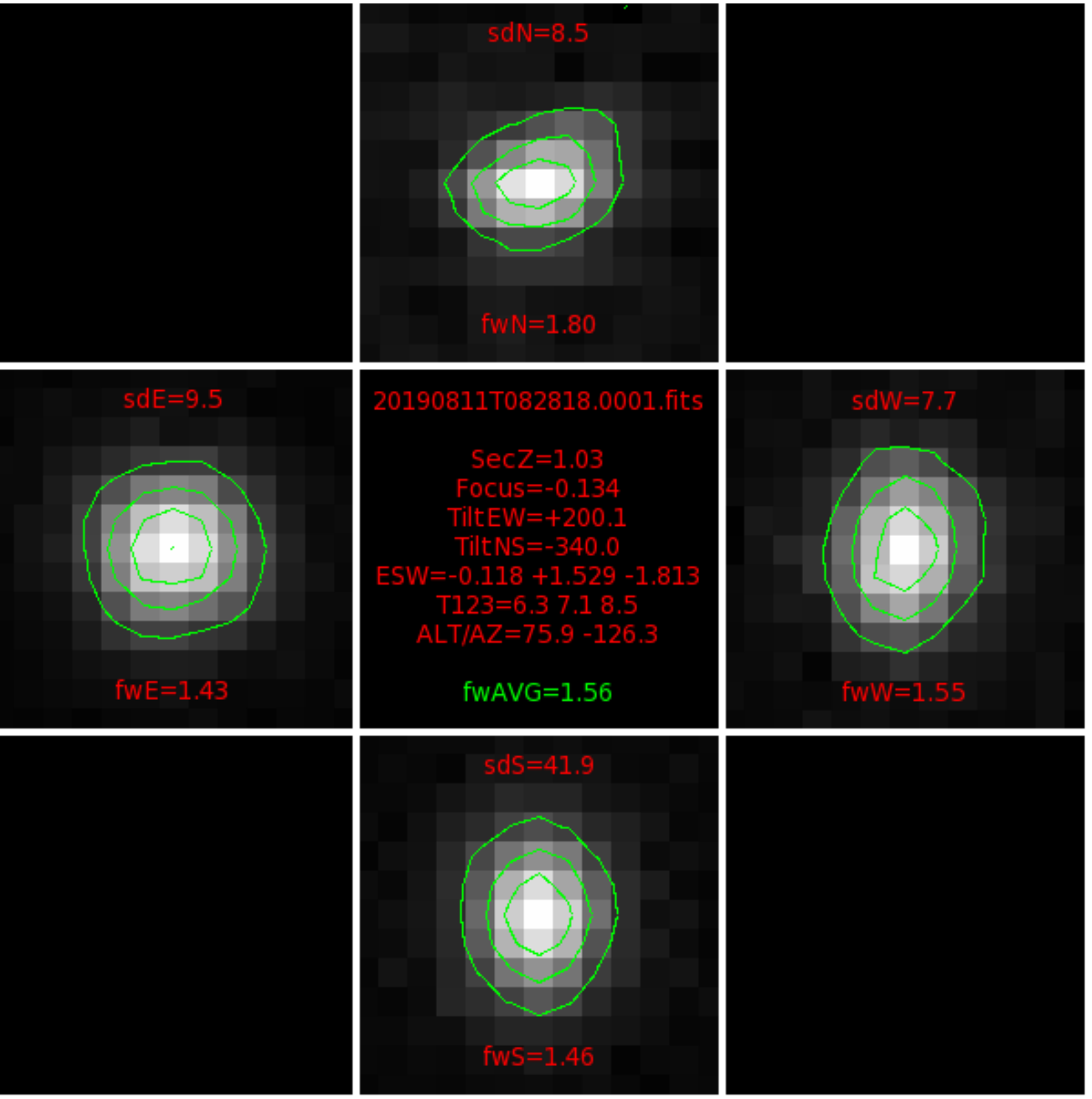
sdN=8.5
fwN=1.80
sdE=9.5
fwE=1.43
20190811T082818.0001.fits
SecZ=1.03
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.3 7.1 8.5
ALT/AZ=75.9 -126.3
fwAVG=1.56
sdW=7.7
fwW=1.55
sdS=41.9
fwS=1.46
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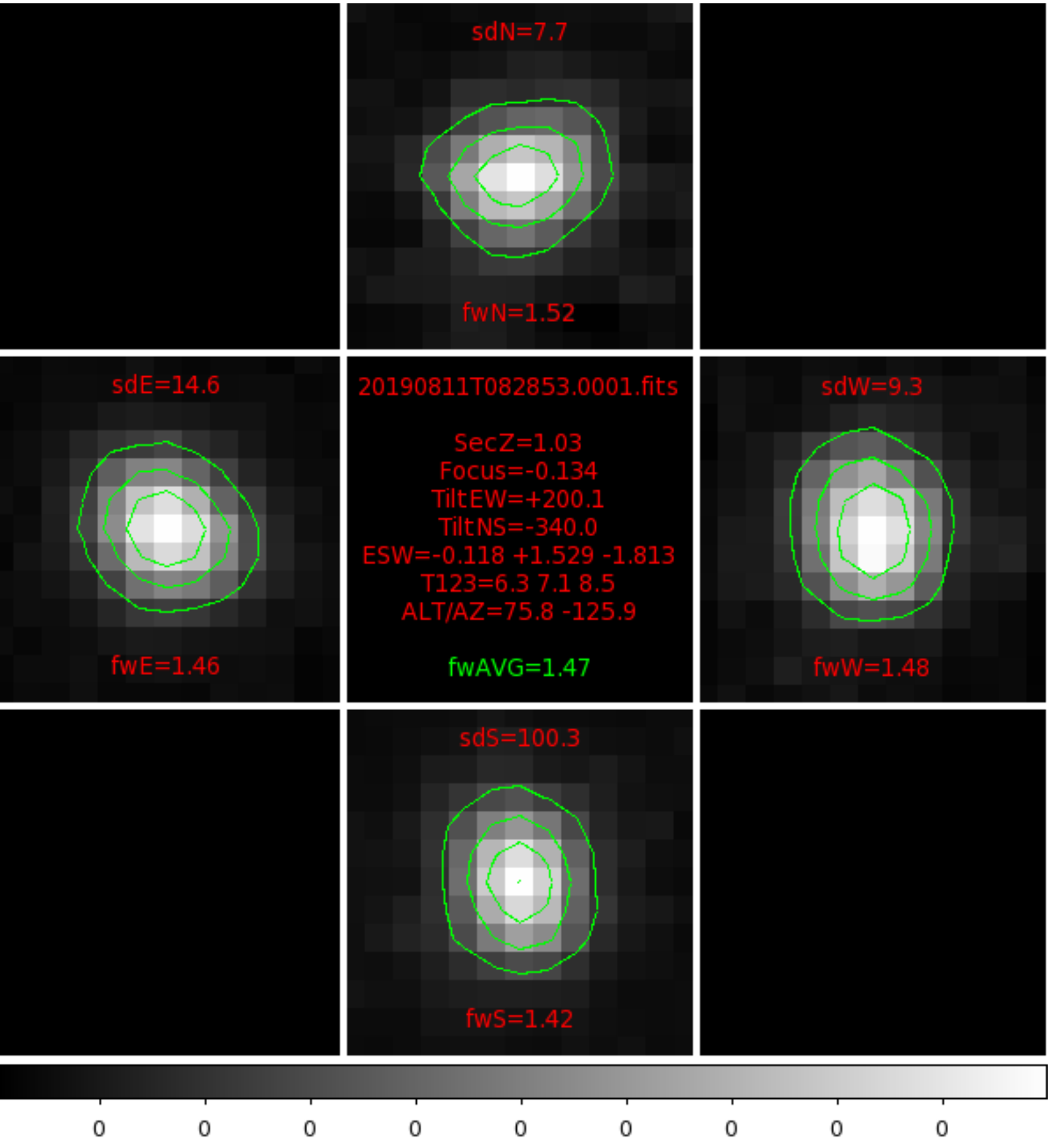
sdN=7.7
fwN=1.52
sdE=14.6
fwE=1.46
20190811T082853.0001.fits
SecZ=1.03
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.3 7.1 8.5
ALT/AZ=75.8 -125.9
fwAVG=1.47
sdW=9.3
fwW=1.48
sdS=100.3
fwS=1.42
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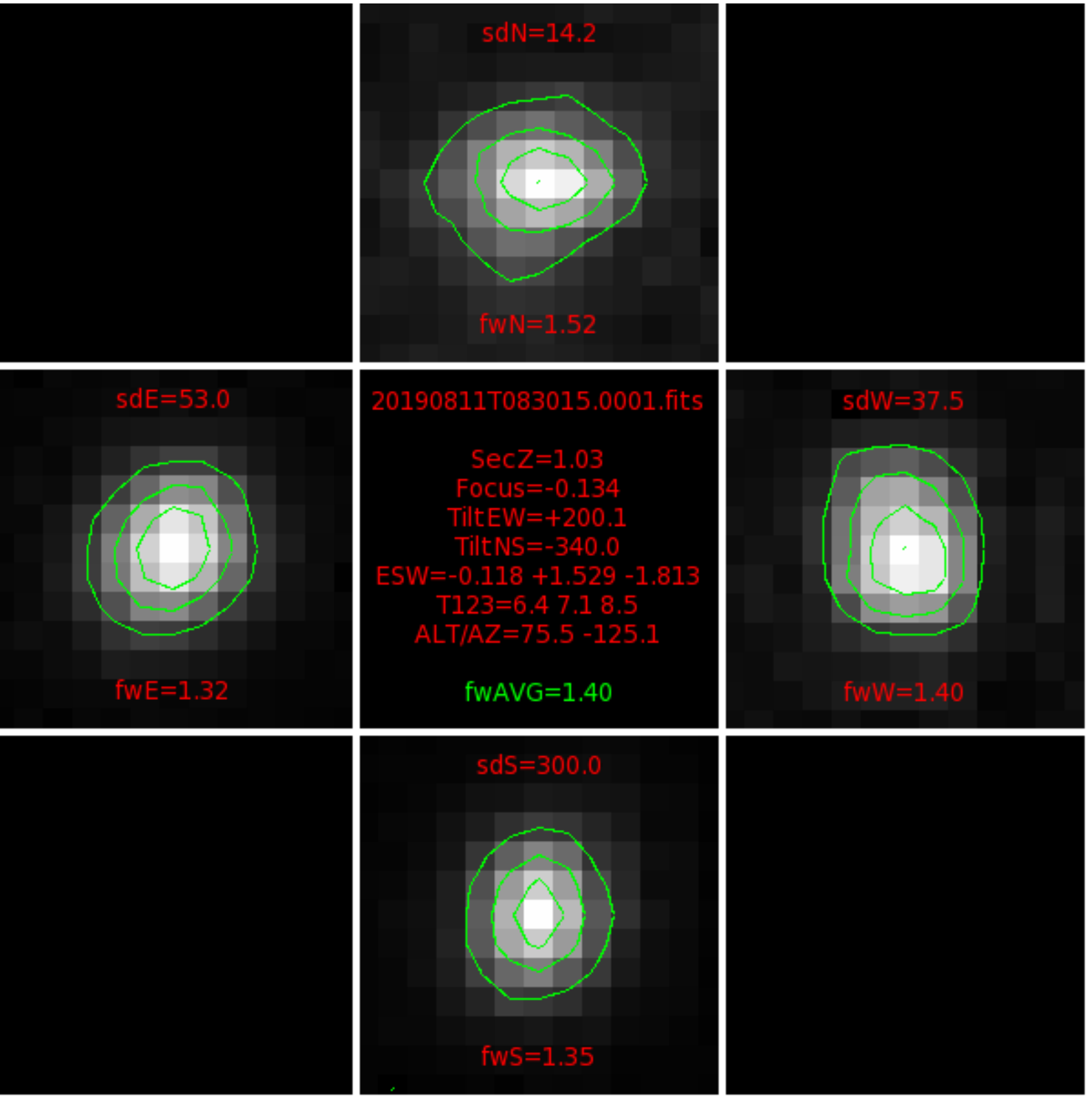
sdN=14.2
fwN=1.52
sdE=53.0
fwE=1.32
20190811T083015.0001.fits
SecZ=1.03
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.4 7.1 8.5
ALT/AZ=75.5 -125.1
fwAVG=1.40
sdW=37.5
fwW=1.40
sdS=300.0
fwS=1.35
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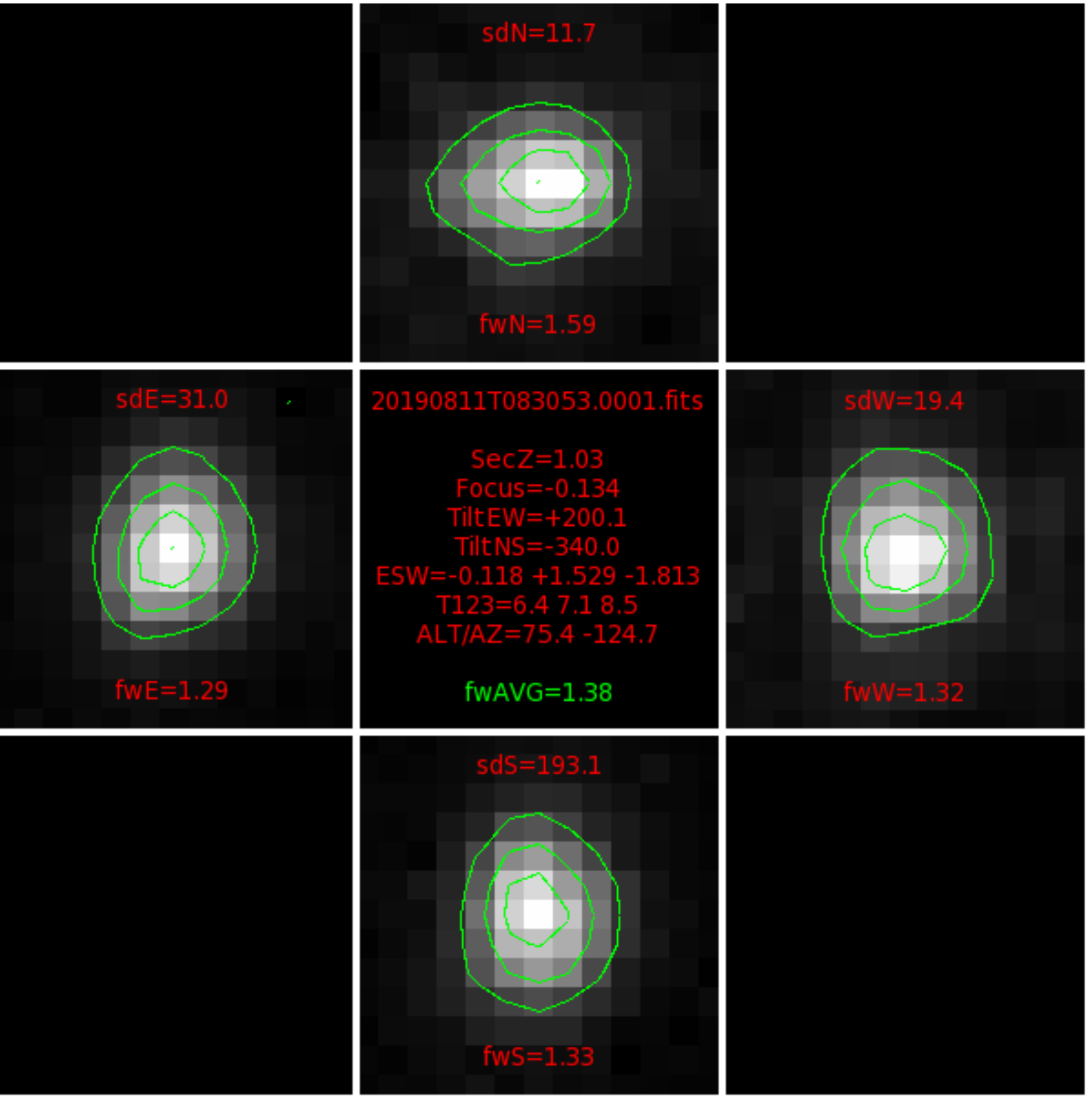
sdN=11.7
fwN=1.59
sdE=31.0
fwE=1.29
20190811T083053.0001.fits
SecZ=1.03
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.4 7.1 8.5
ALT/AZ=75.4 -124.7
fwAVG=1.38
sdW=19.4
fwW=1.32
sdS=193.1
fwS=1.33
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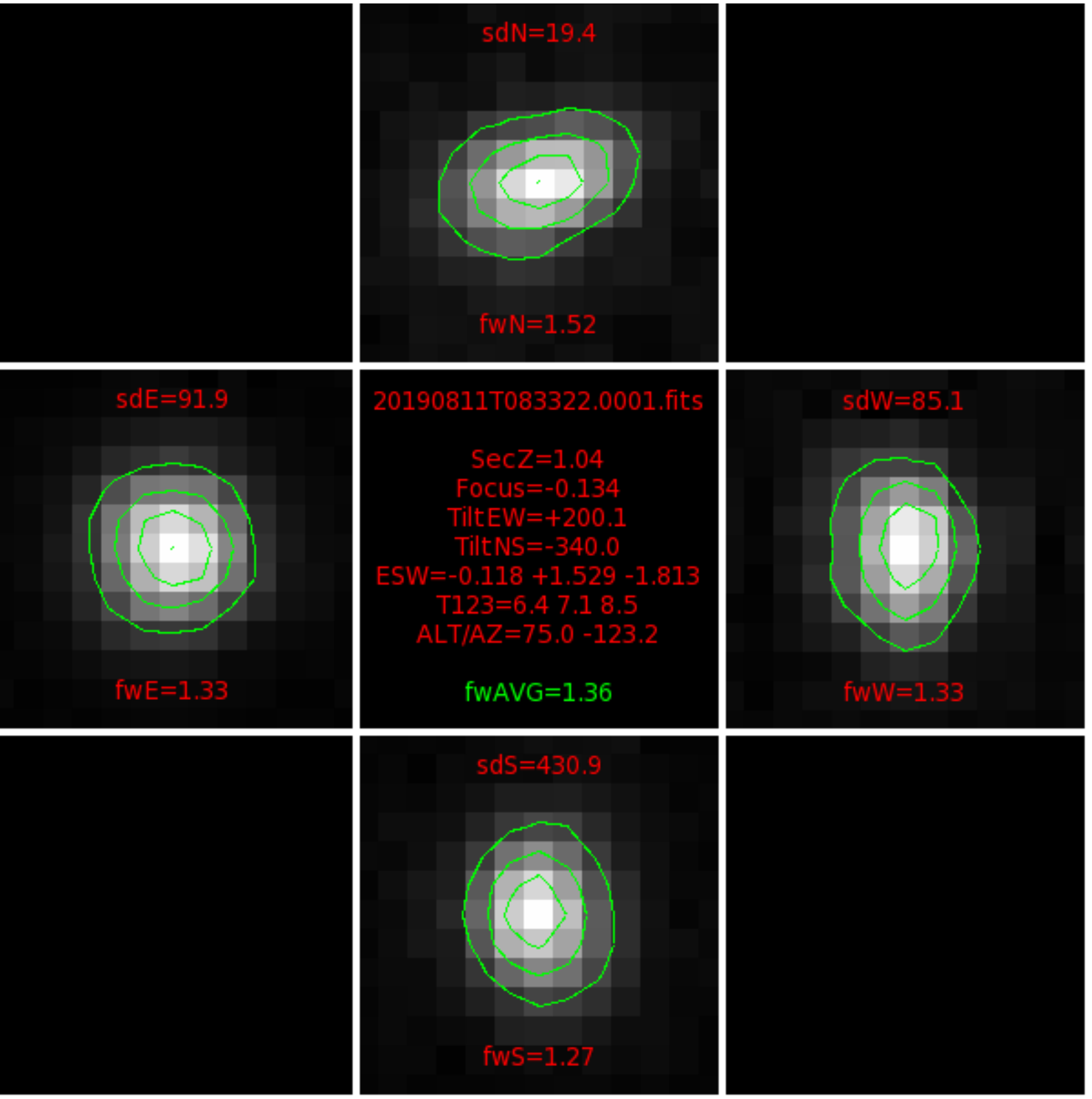
sdN=19.4
fwN=1.52
sdE=91.9
fwE=1.33
20190811T083322.0001.fits
SecZ=1.04
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.4 7.1 8.5
ALT/AZ=75.0 -123.2
fwAVG=1.36
sdW=85.1
fwW=1.33
sdS=430.9
fwS=1.27
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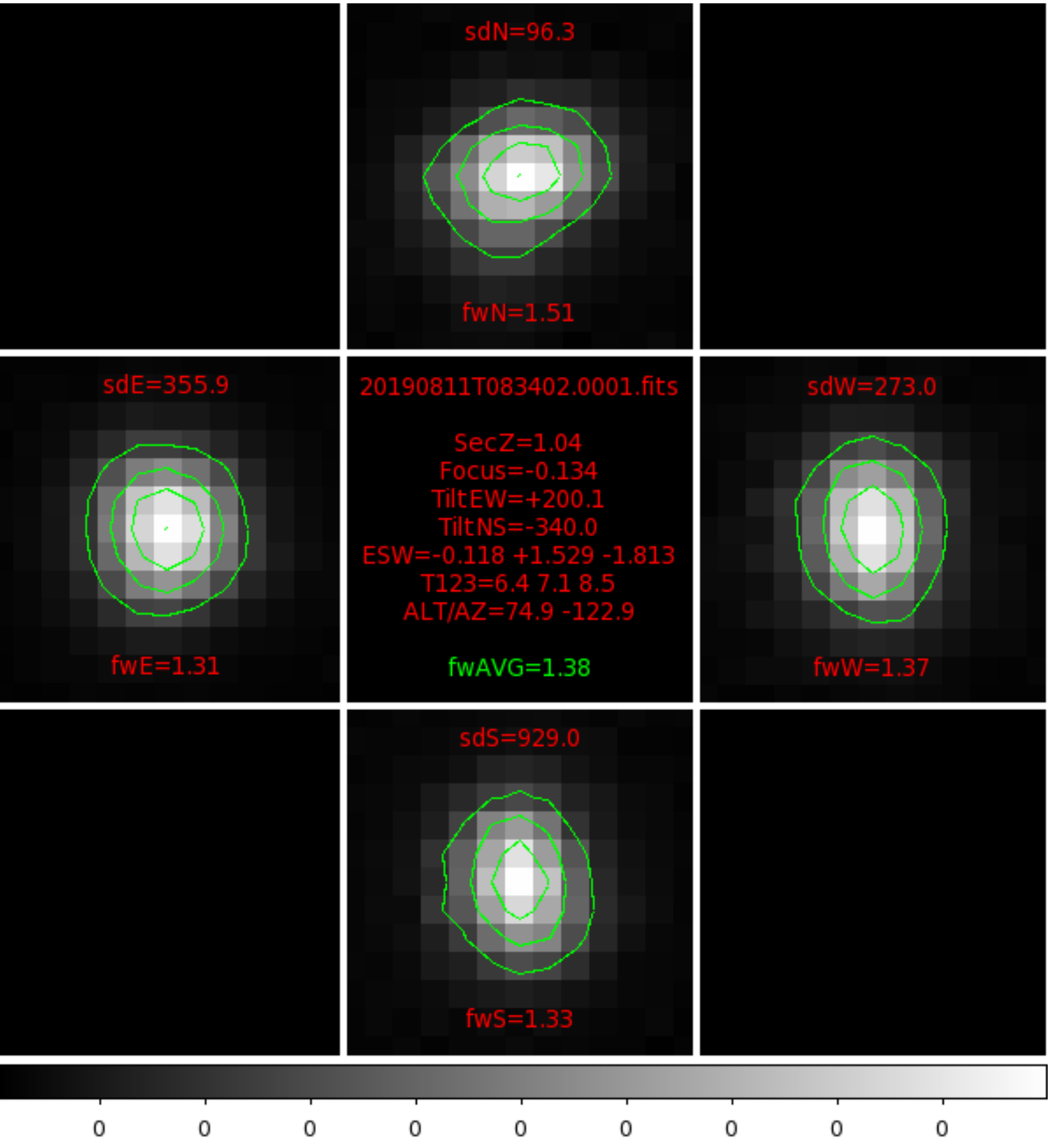
sdN=96.3
fwN=1.51
sdE=355.9
fwE=1.31
20190811T083402.0001.fits
SecZ=1.04
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.4 7.1 8.5
ALT/AZ=74.9 -122.9
fwAVG=1.38
sdW=273.0
fwW=1.37
sdS=929.0
fwS=1.33
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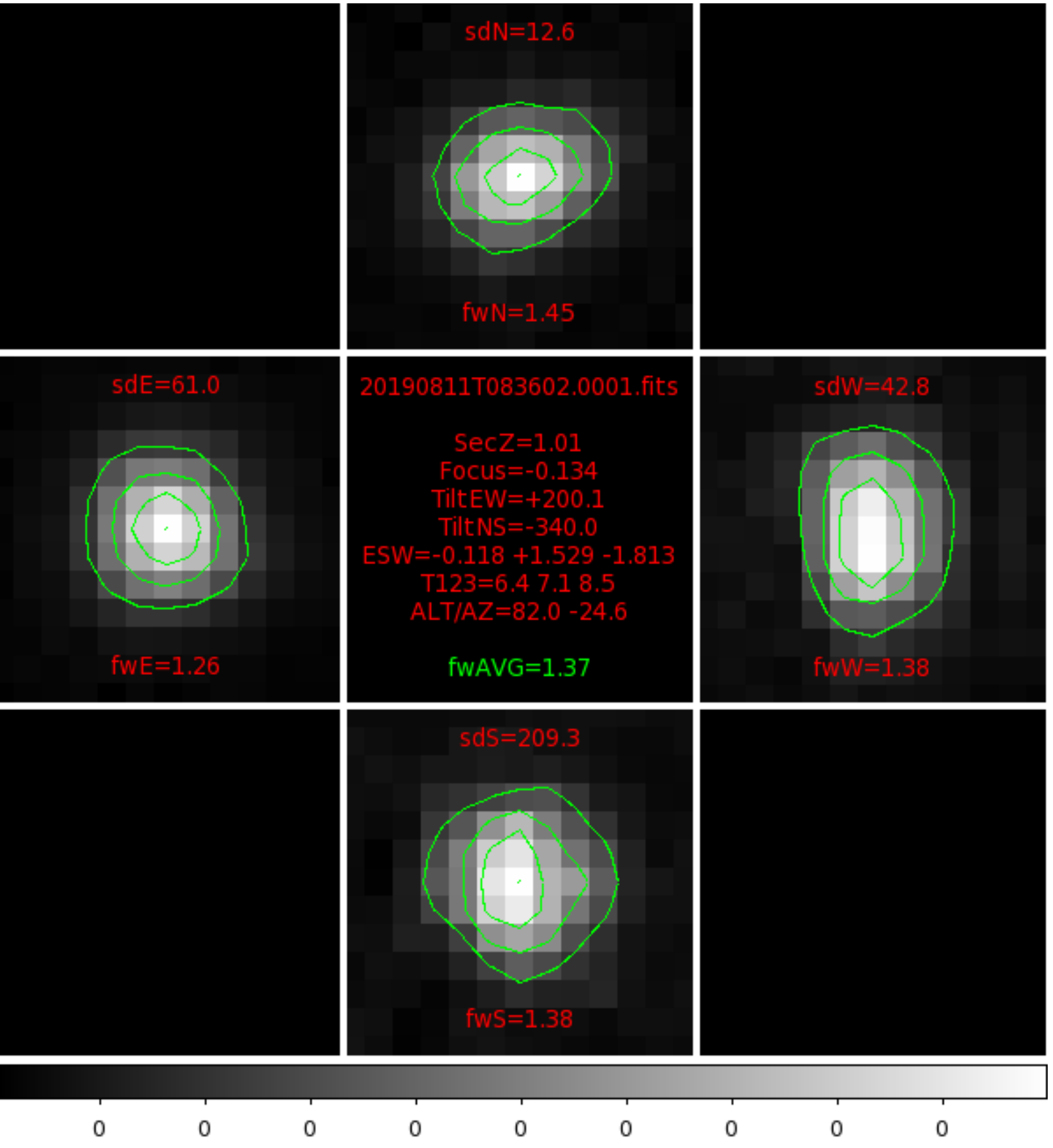
sdN=12.6
fwN=1.45
sdE=61.0
fwE=1.26
20190811T083602.0001.fits
SecZ=1.01
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.4 7.1 8.5
ALT/AZ=82.0 -24.6
fwAVG=1.37
sdW=42.8
fwW=1.38
sdS=209.3
fwS=1.38
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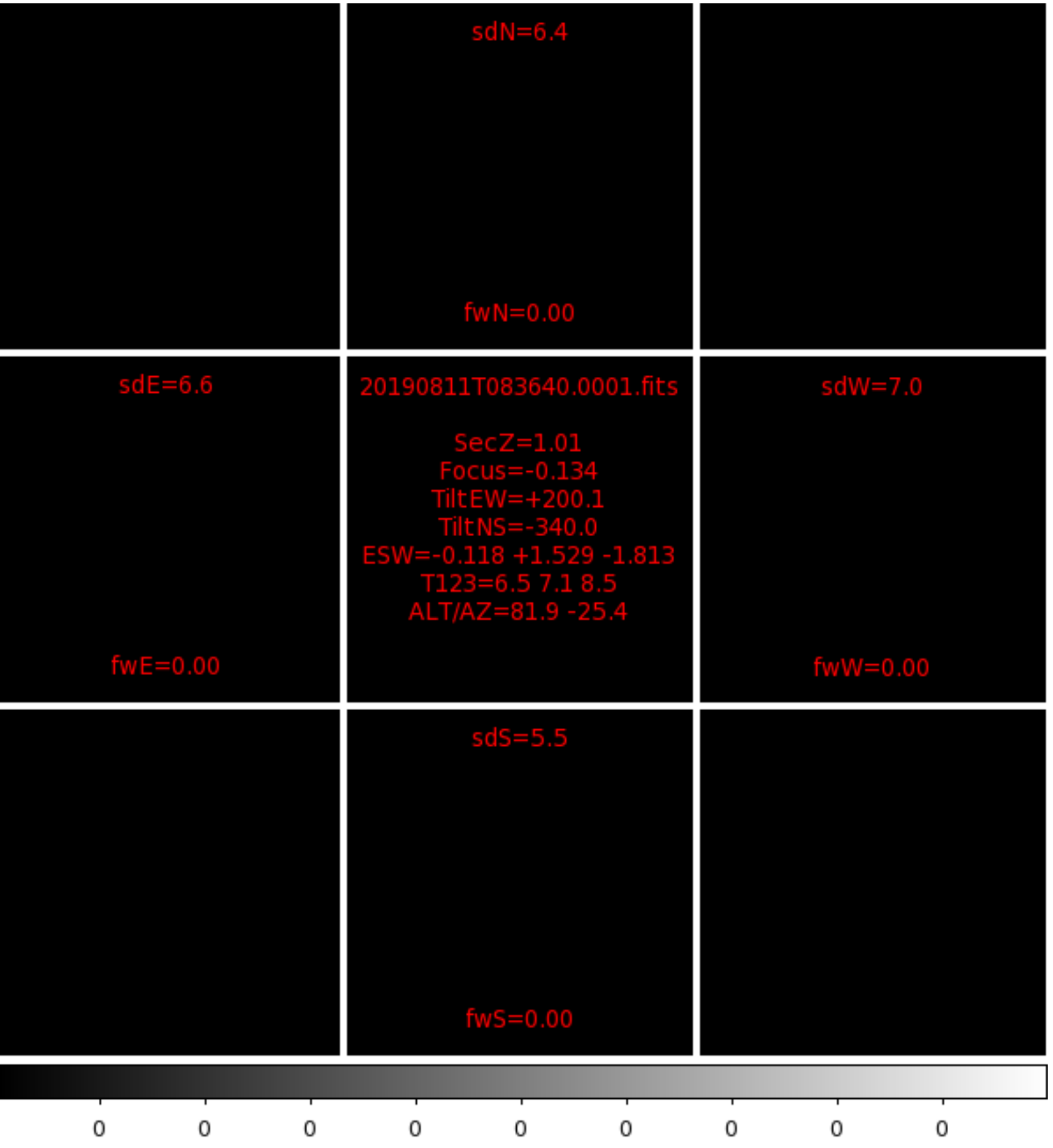
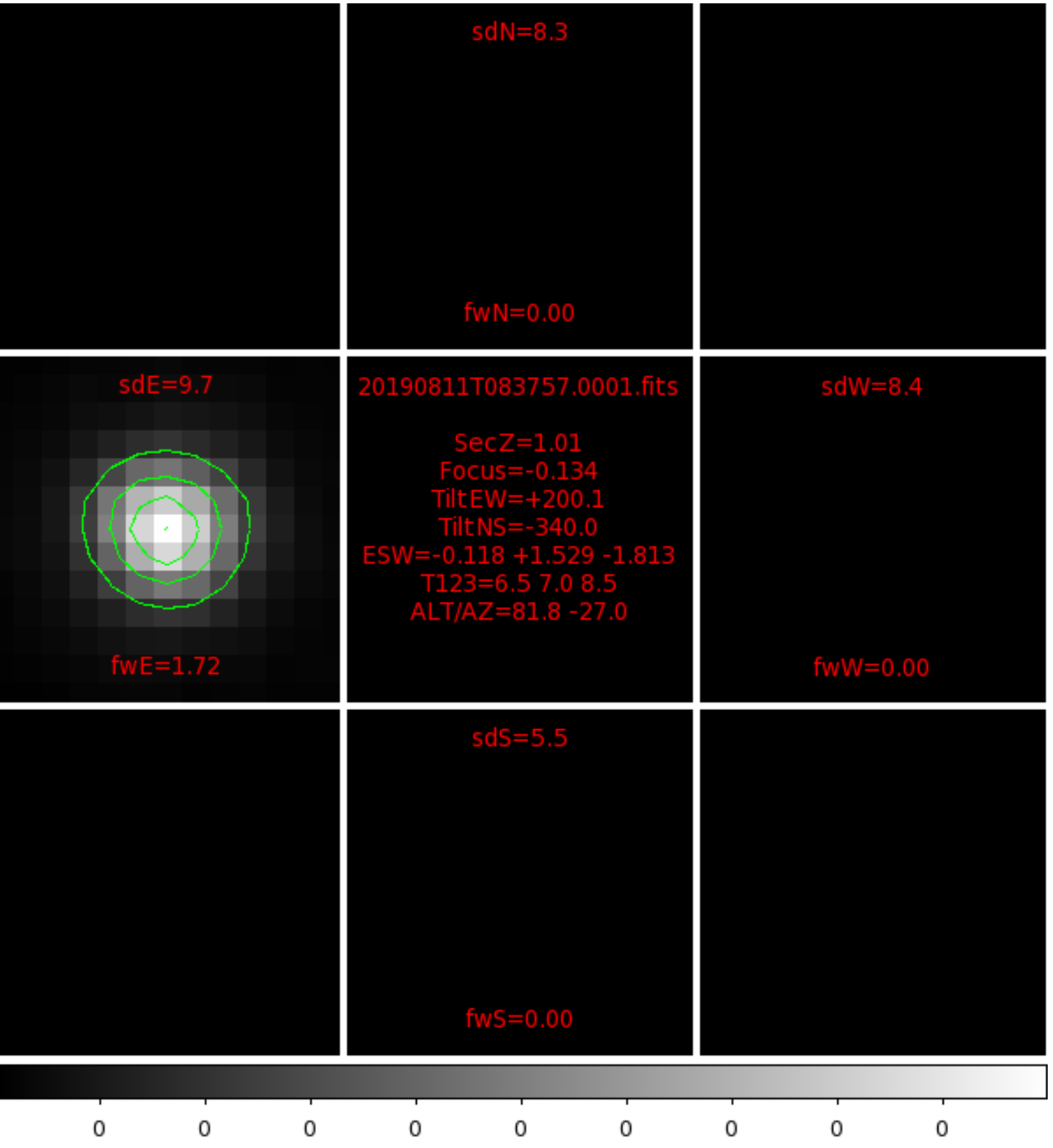

sdN=6.4
fwN=0.00
sdE=6.6
20190811T083640.0001.fits
SecZ=1.01
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.5 7.1 8.5
ALT/AZ=81.9 -25.4
sdW=7.0
fwE=0.00
fwW=0.00
sdS=5.5
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=8.3
fwN=0.00
sdE=9.7
fwE=1.72
20190811T083757.0001.fits
SecZ=1.01
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.5 7.0 8.5
ALT/AZ=81.8 -27.0
sdW=8.4
fwW=0.00
sdS=5.5
fwS=0.00
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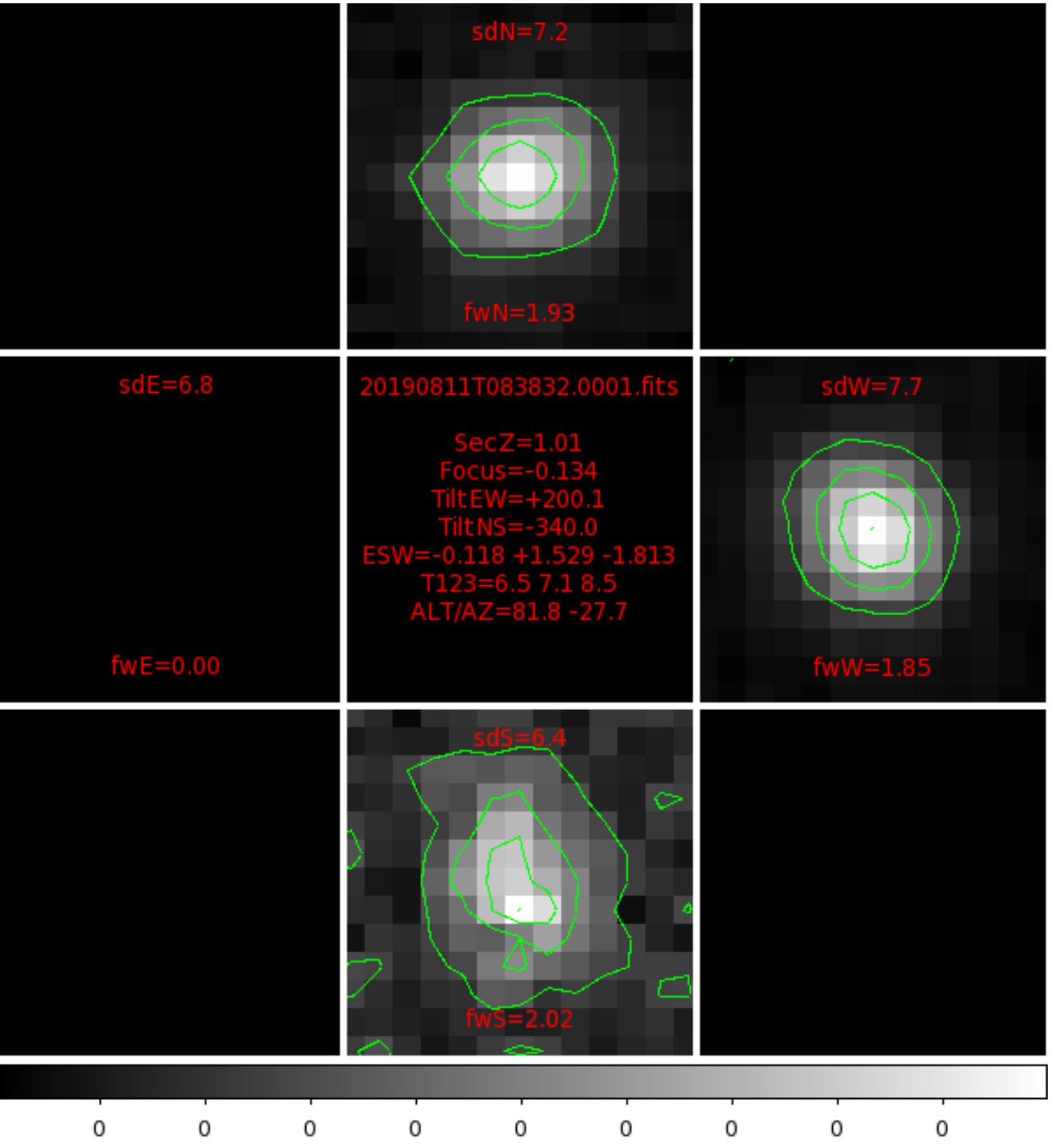
sdN=7.2
fwN=1.93
sdE=6.8
fwE=0.00
20190811T083832.0001.fits
SecZ=1.01
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=6.5 7.1 8.5
ALT/AZ=81.8 -27.7
sdW=7.7
fwW=1.85
sdS=6.4
fwS=2.02
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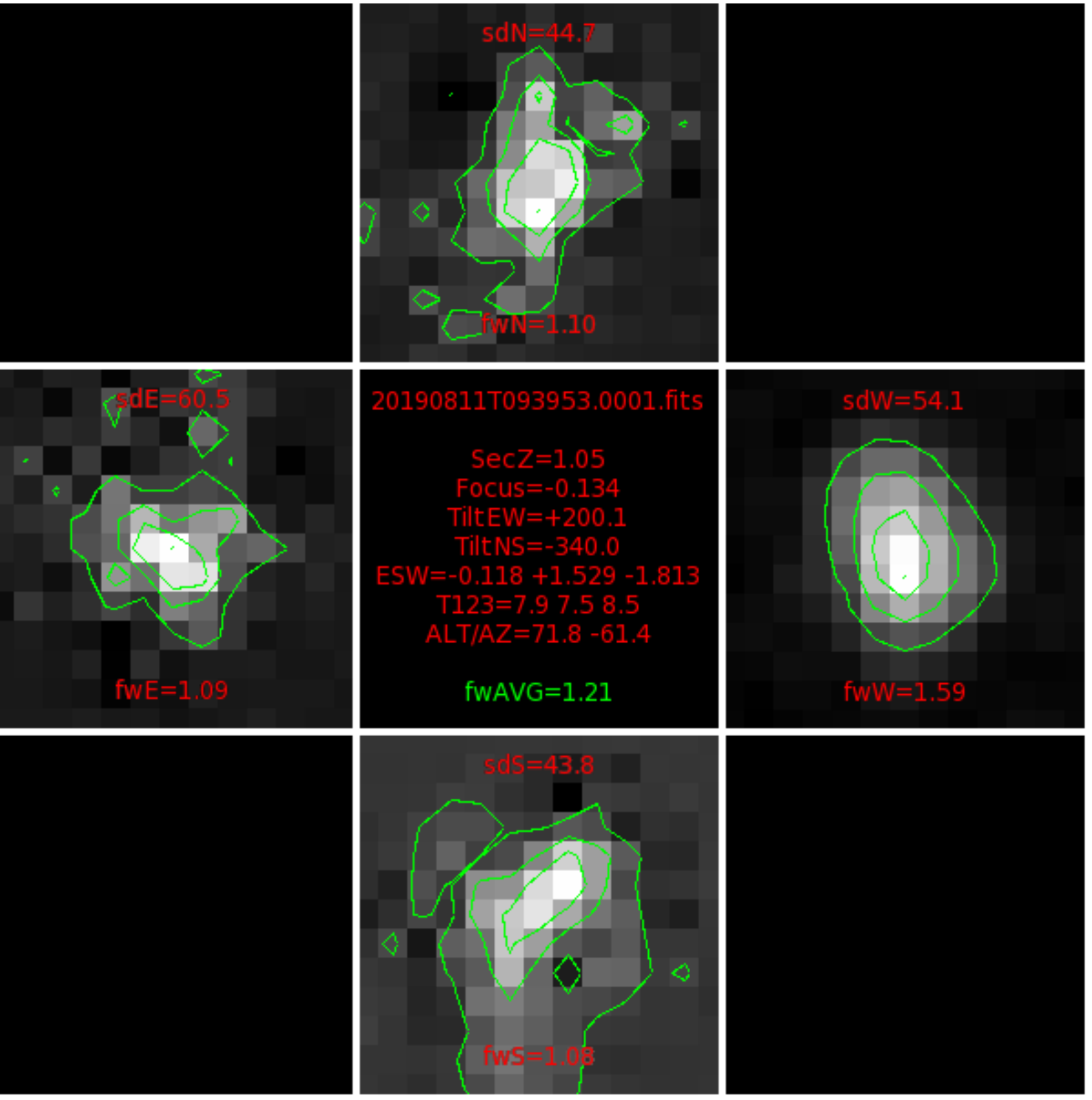
sdN=44.7
fwN=1.10
sdE=60.5
fwE=1.09
20190811T093953.0001.fits
SecZ=1.05
Focus=-0.134
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.118 +1.529 -1.813
T123=7.9 7.5 8.5
ALT/AZ=71.8 -61.4
fwAVG=1.21
sdW=54.1
fwW=1.59
sdS=43.8
fwS=1.08
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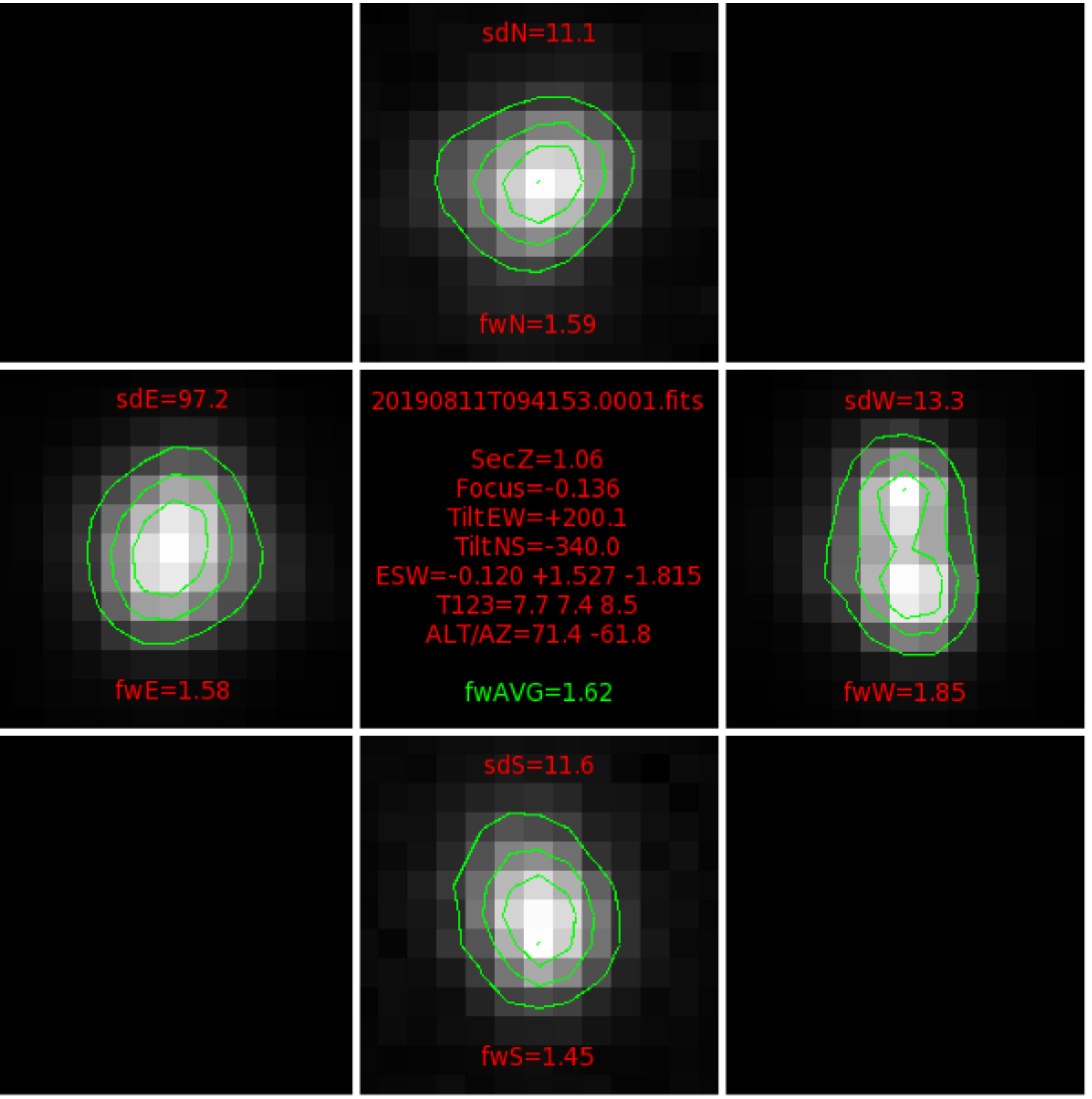
sdN=11.1
fwN=1.59
sdE=97.2
fwE=1.58
20190811T094153.0001.fits
SecZ=1.06
Focus=-0.136
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.120 +1.527 -1.815
T123=7.7 7.4 8.5
ALT/AZ=71.4 -61.8
fwAVG=1.62
sdW=13.3
fwW=1.85
sdS=11.6
fwS=1.45
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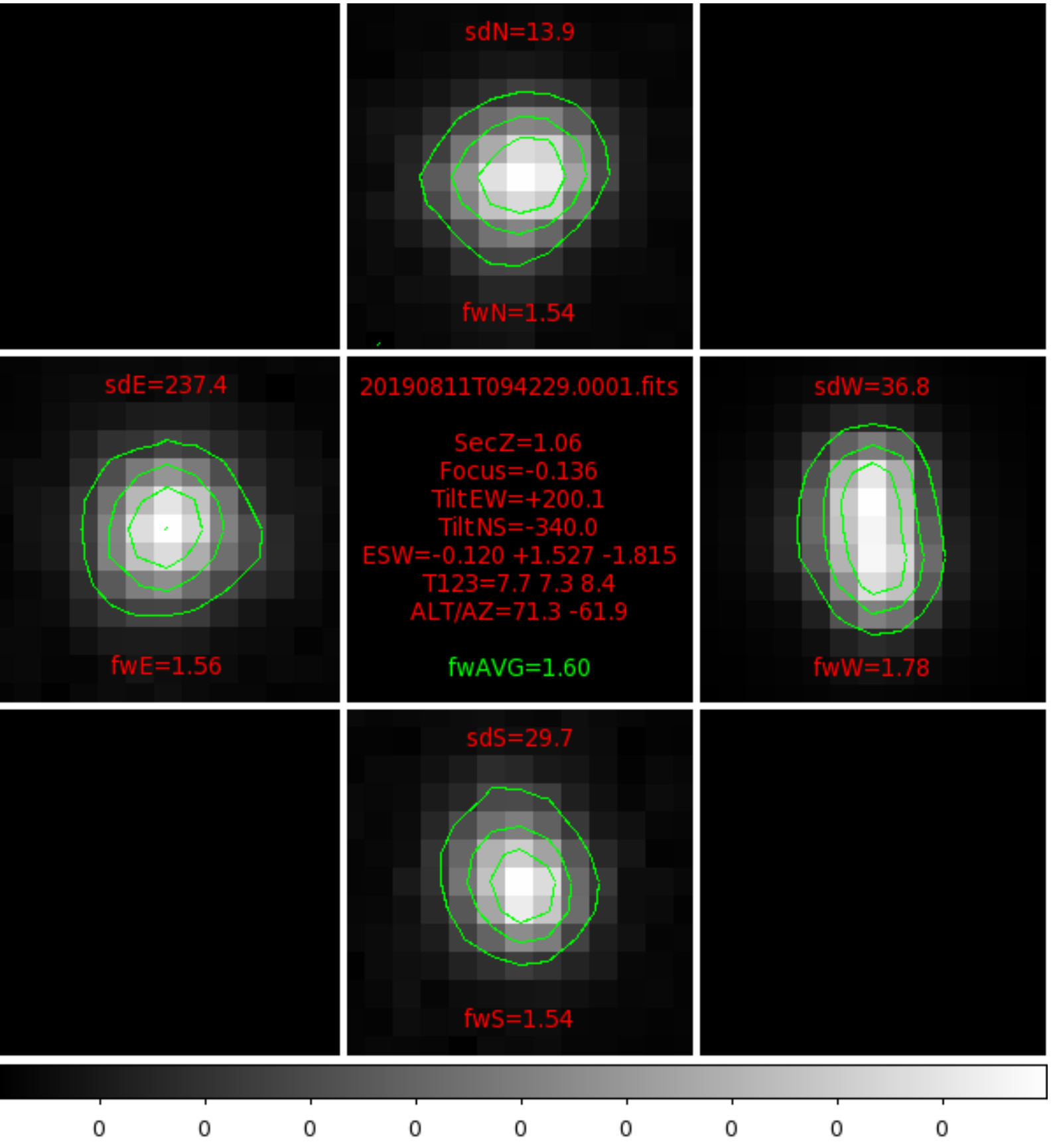
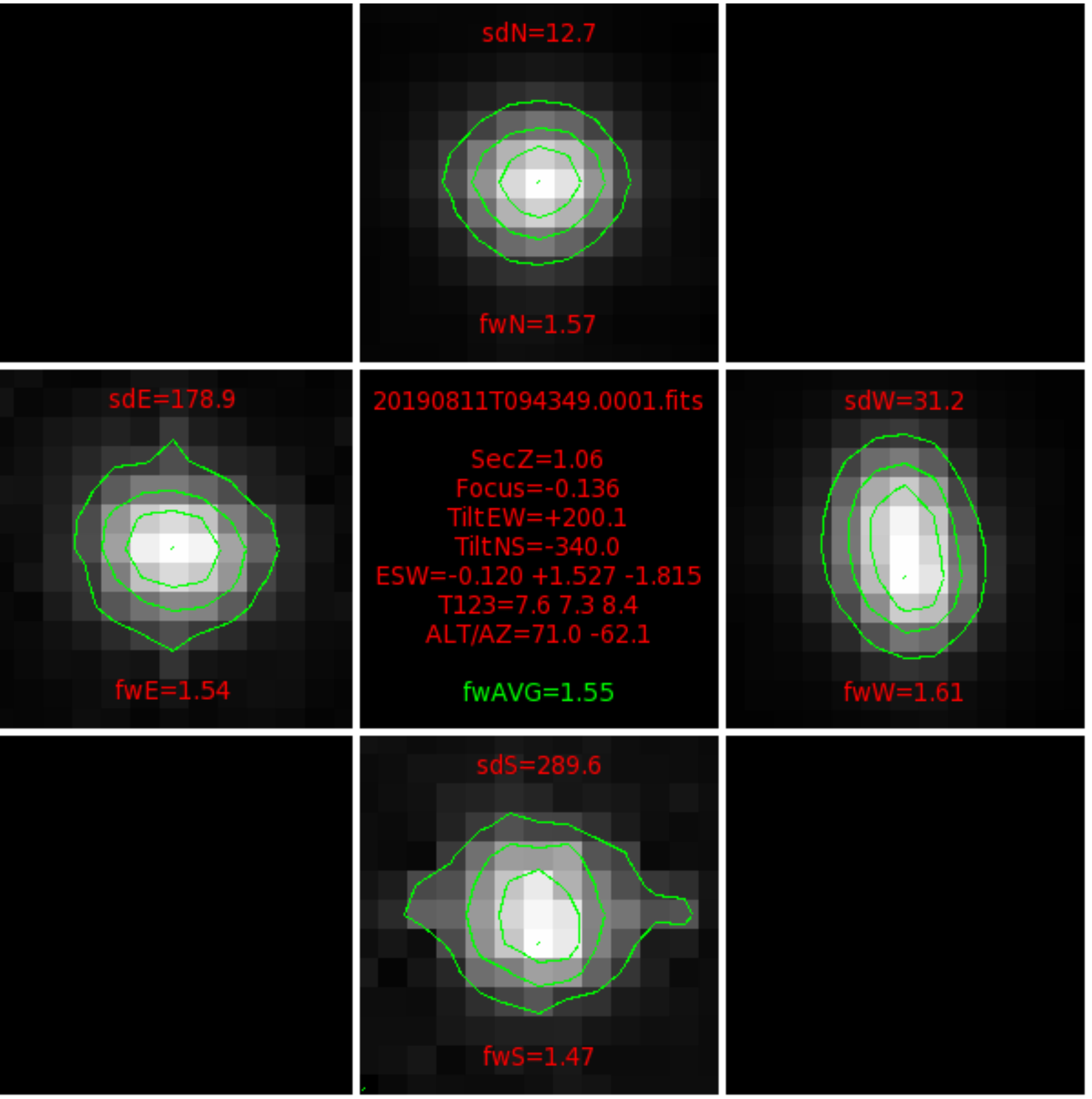
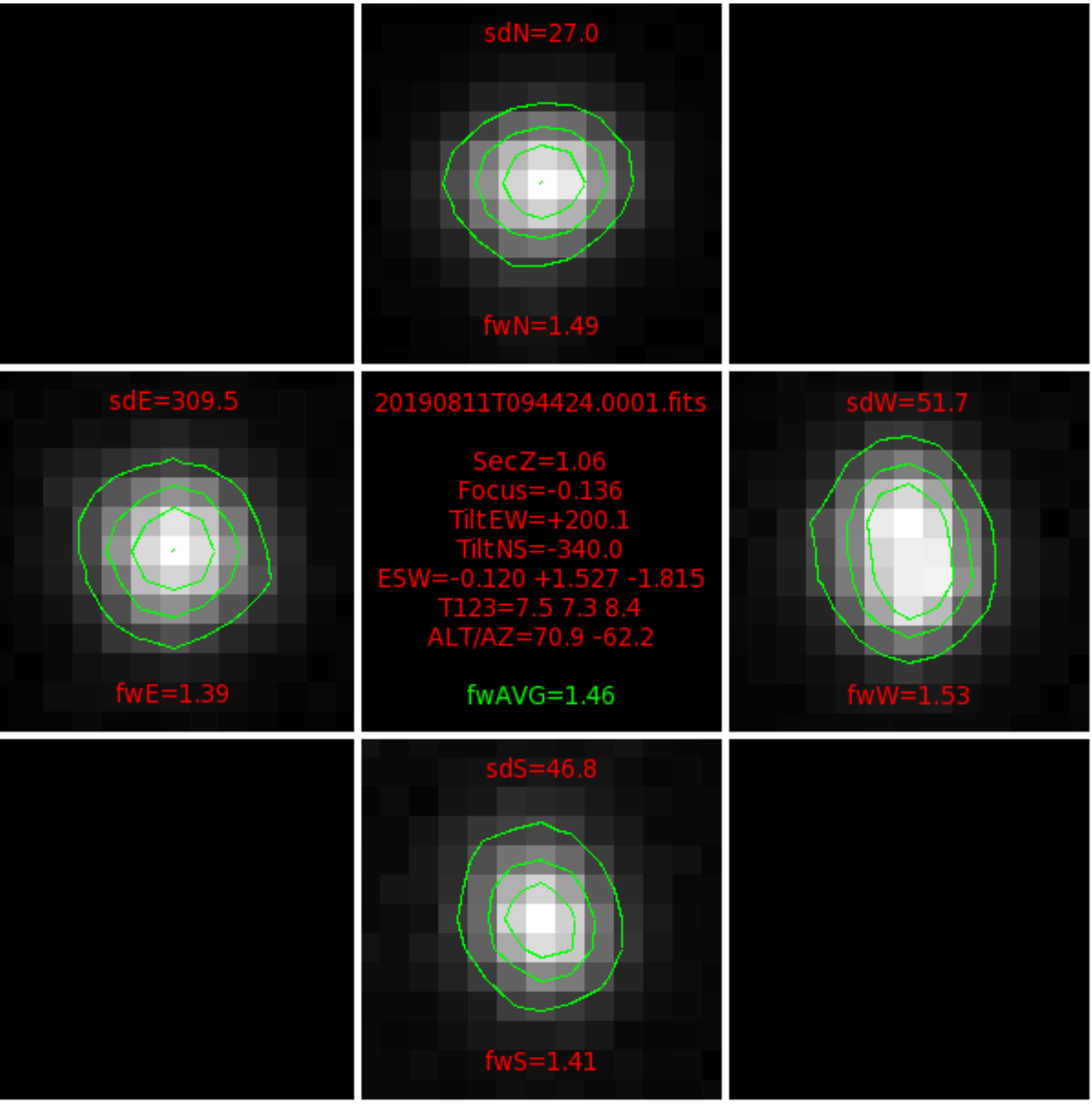
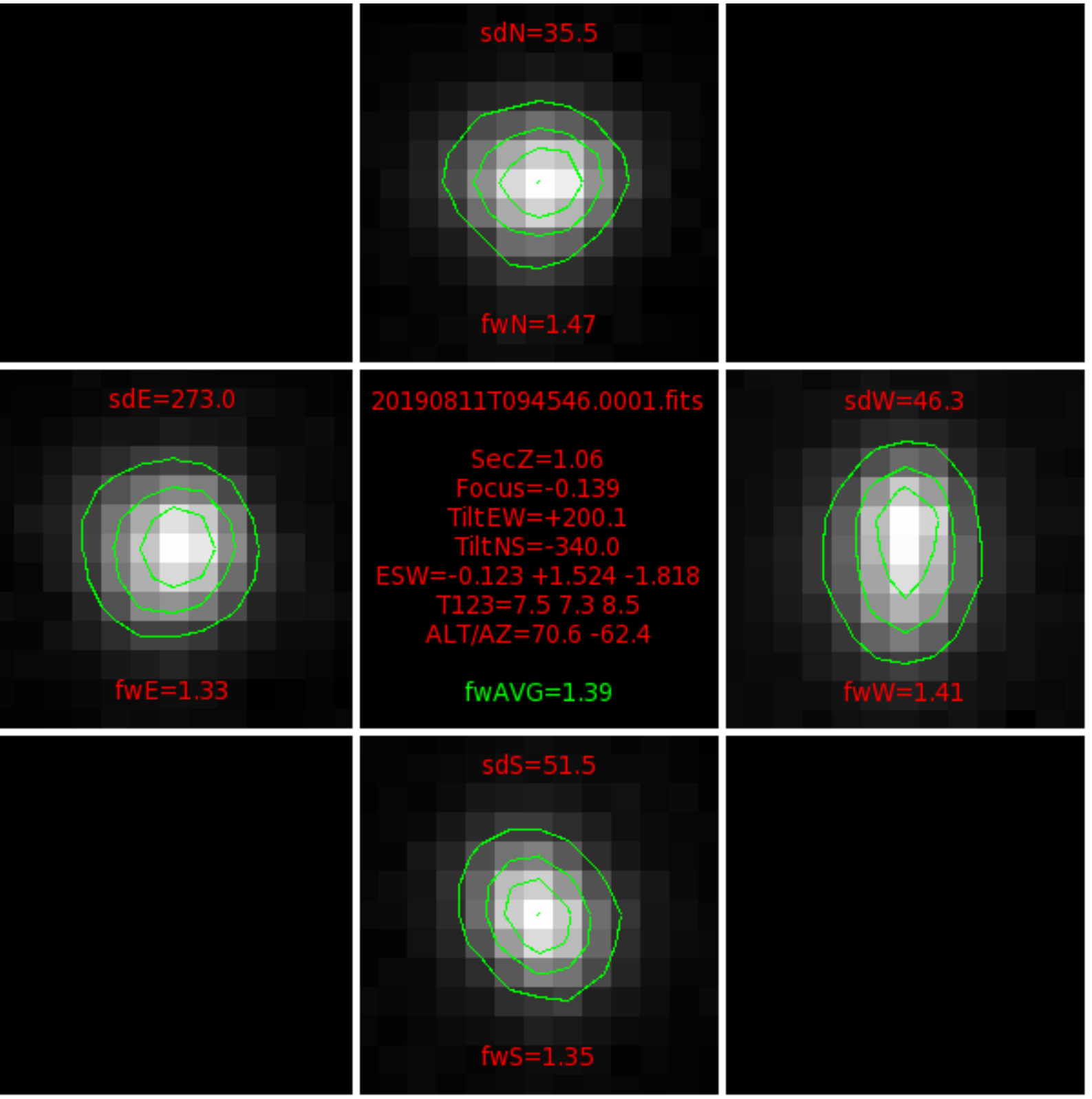
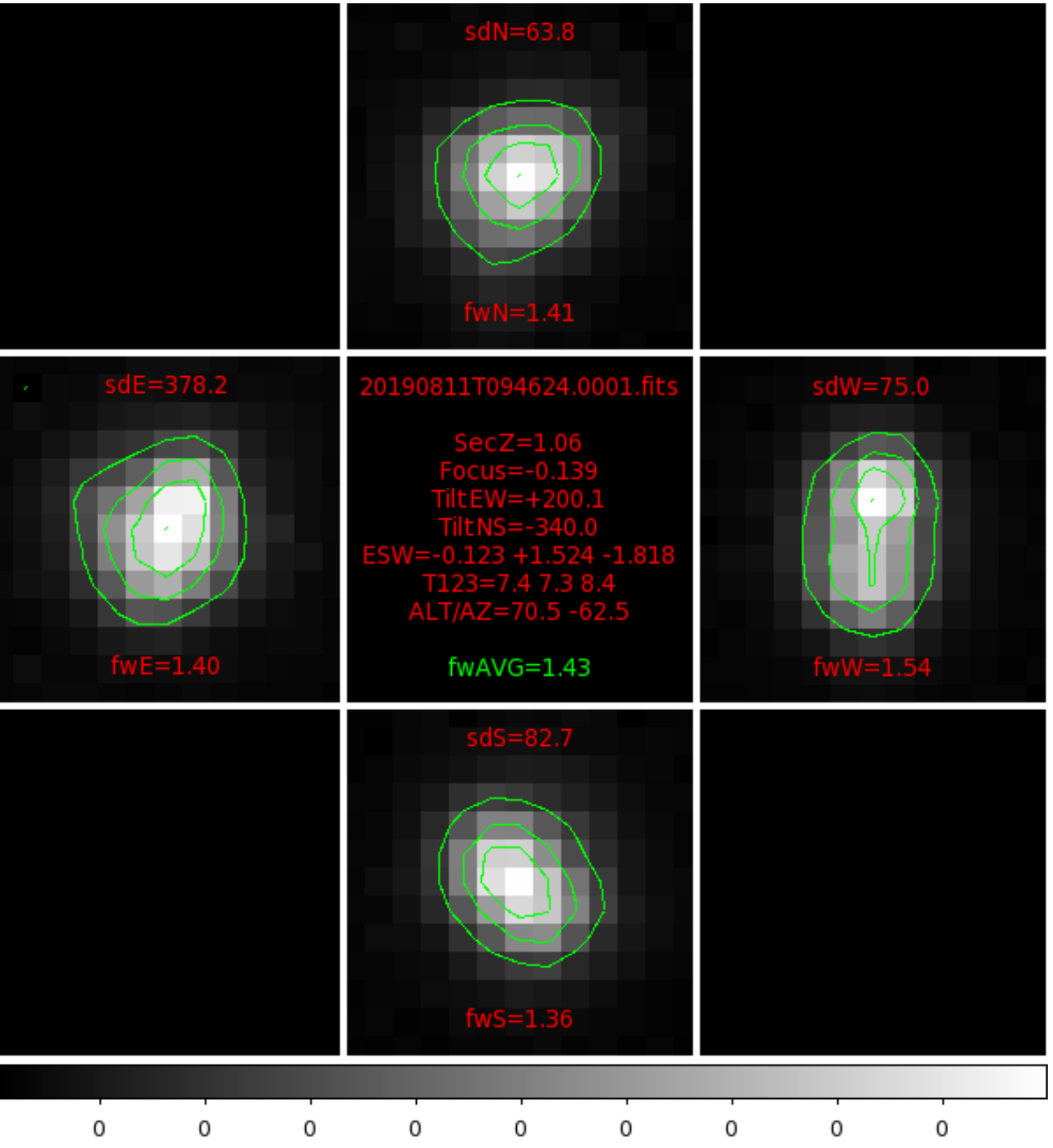
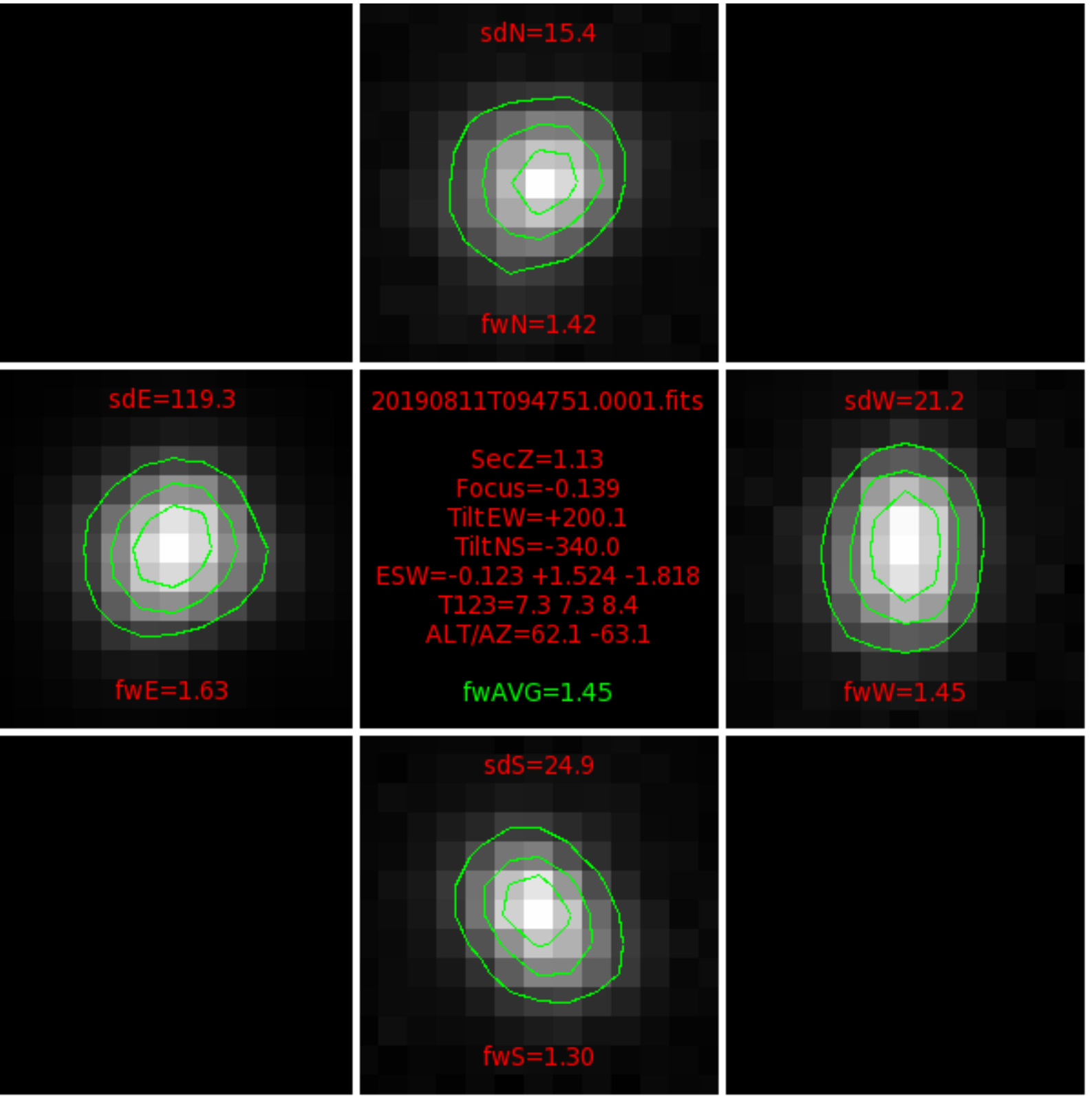

sdN=13.9
fwN=1.54
sdE=237.4
fwE=1.56
20190811T094229.0001.fits
SecZ=1.06
Focus=-0.136
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.120 +1.527 -1.815
T123=7.7 7.3 8.4
ALT/AZ=71.3 -61.9
fwAVG=1.60
sdW=36.8
fwW=1.78
sdS=29.7
fwS=1.54
0 0 0 0 0 0 0 0 0

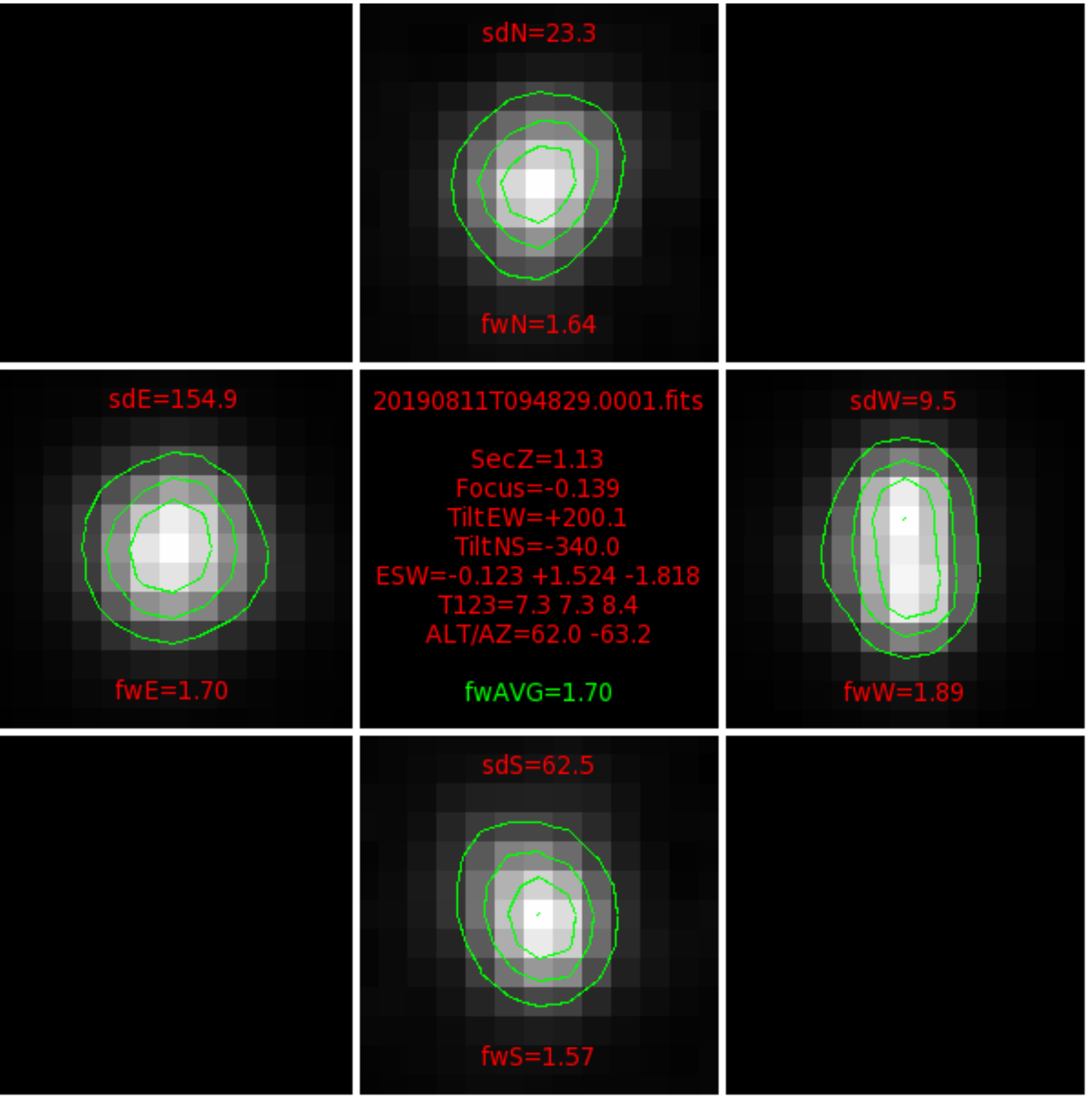

sdN=12.7
fwN=1.57
sdE=178.9
fwE=1.54
20190811T094349.0001.fits
SecZ=1.06
Focus=-0.136
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.120 +1.527 -1.815
T123=7.6 7.3 8.4
ALT/AZ=71.0 -62.1
fwAVG=1.55
sdW=31.2
fwW=1.61
sdS=289.6
fwS=1.47
0 0 0 0 0 0 0 0 0

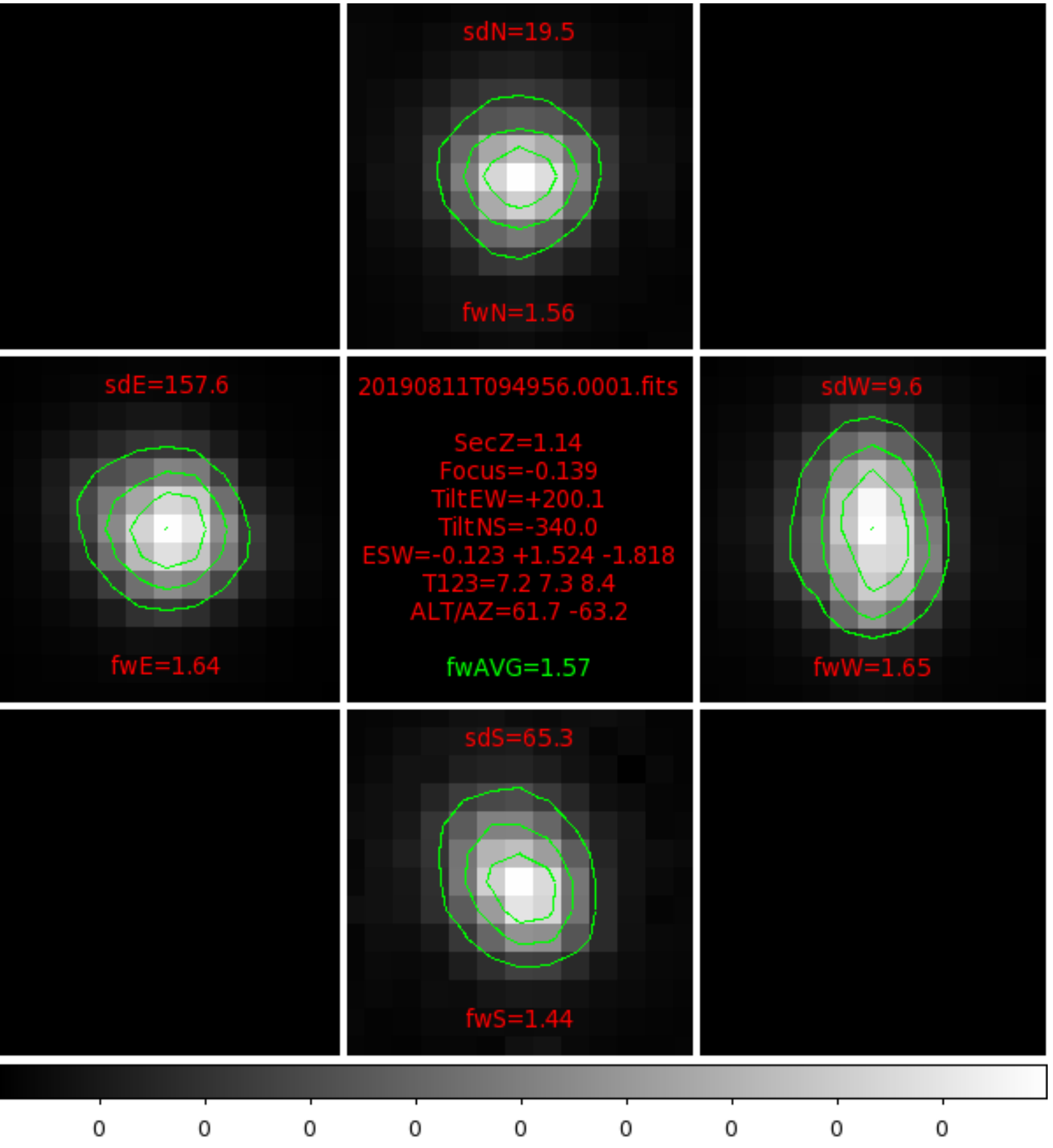

sdN=27.0
fwN=1.49
sdE=309.5
fwE=1.39
20190811T094424.0001.fits
SecZ=1.06
Focus=-0.136
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.120 +1.527 -1.815
T123=7.5 7.3 8.4
ALT/AZ=70.9 -62.2
fwAVG=1.46
sdW=51.7
fwW=1.53
sdS=46.8
fwS=1.41
0 0 0 0 0 0 0 0 0

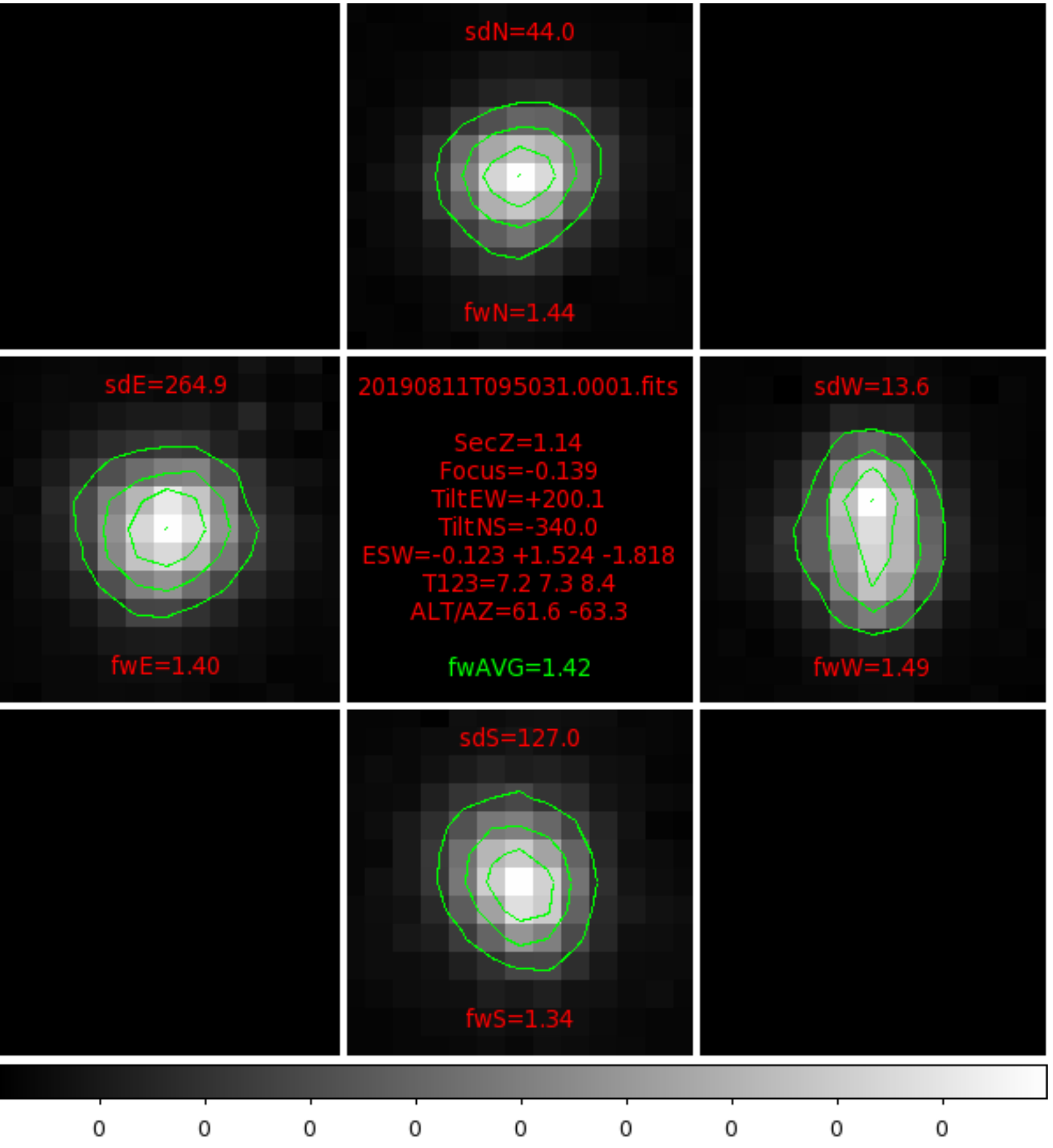

sdN=35.5
fwN=1.47
sdE=273.0
fwE=1.33
20190811T094546.0001.fits
SecZ=1.06
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=7.5 7.3 8.5
ALT/AZ=70.6 -62.4
fwAVG=1.39
sdW=46.3
fwW=1.41
sdS=51.5
fwS=1.35
0 0 0 0 0 0 0 0 0

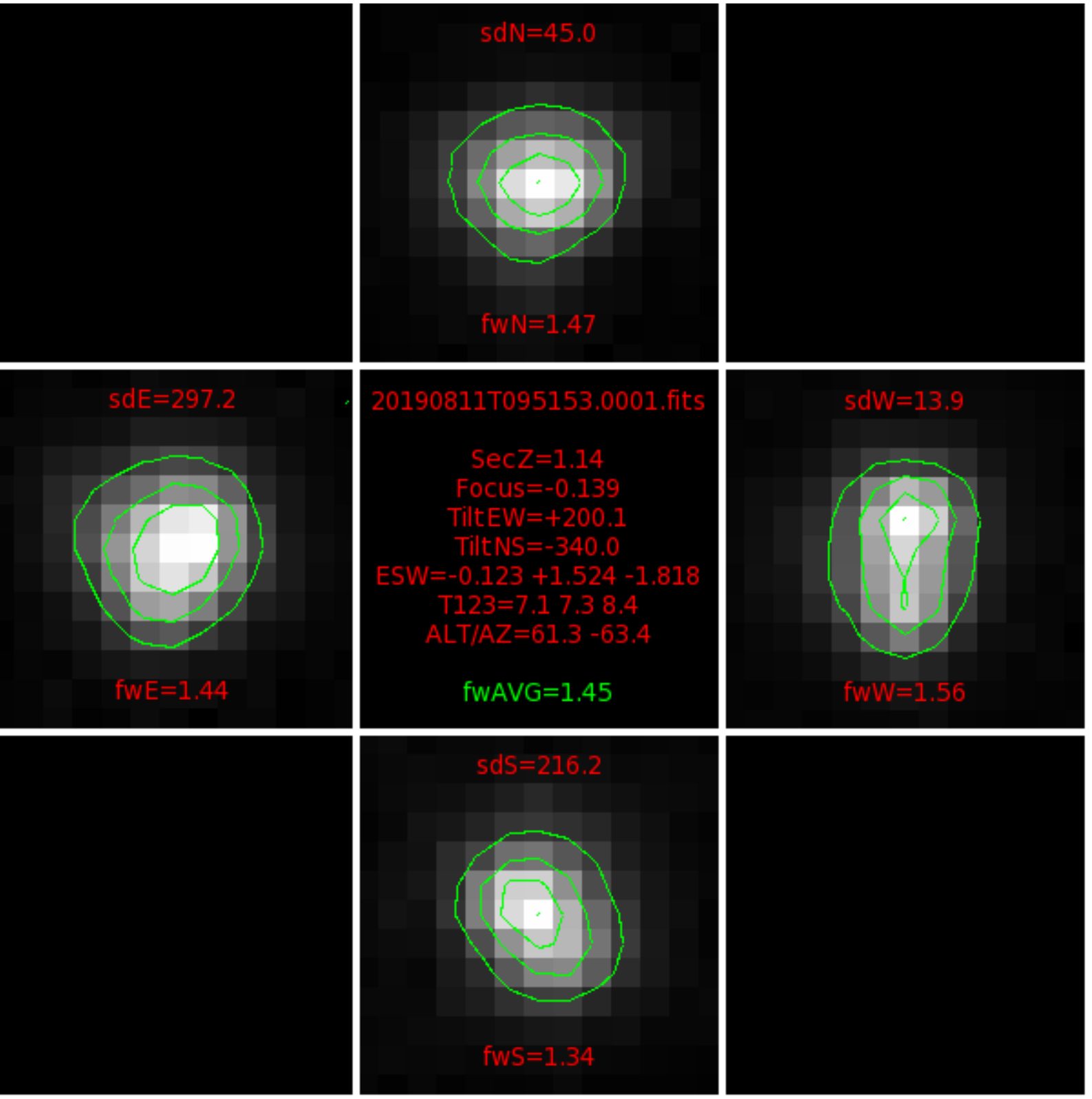

sdN=63.8
fwN=1.41
sdE=378.2
fwE=1.40
20190811T094624.0001.fits
SecZ=1.06
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=7.4 7.3 8.4
ALT/AZ=70.5 -62.5
fwAVG=1.43
sdW=75.0
fwW=1.54
sdS=82.7
fwS=1.36
0 0 0 0 0 0 0 0 0

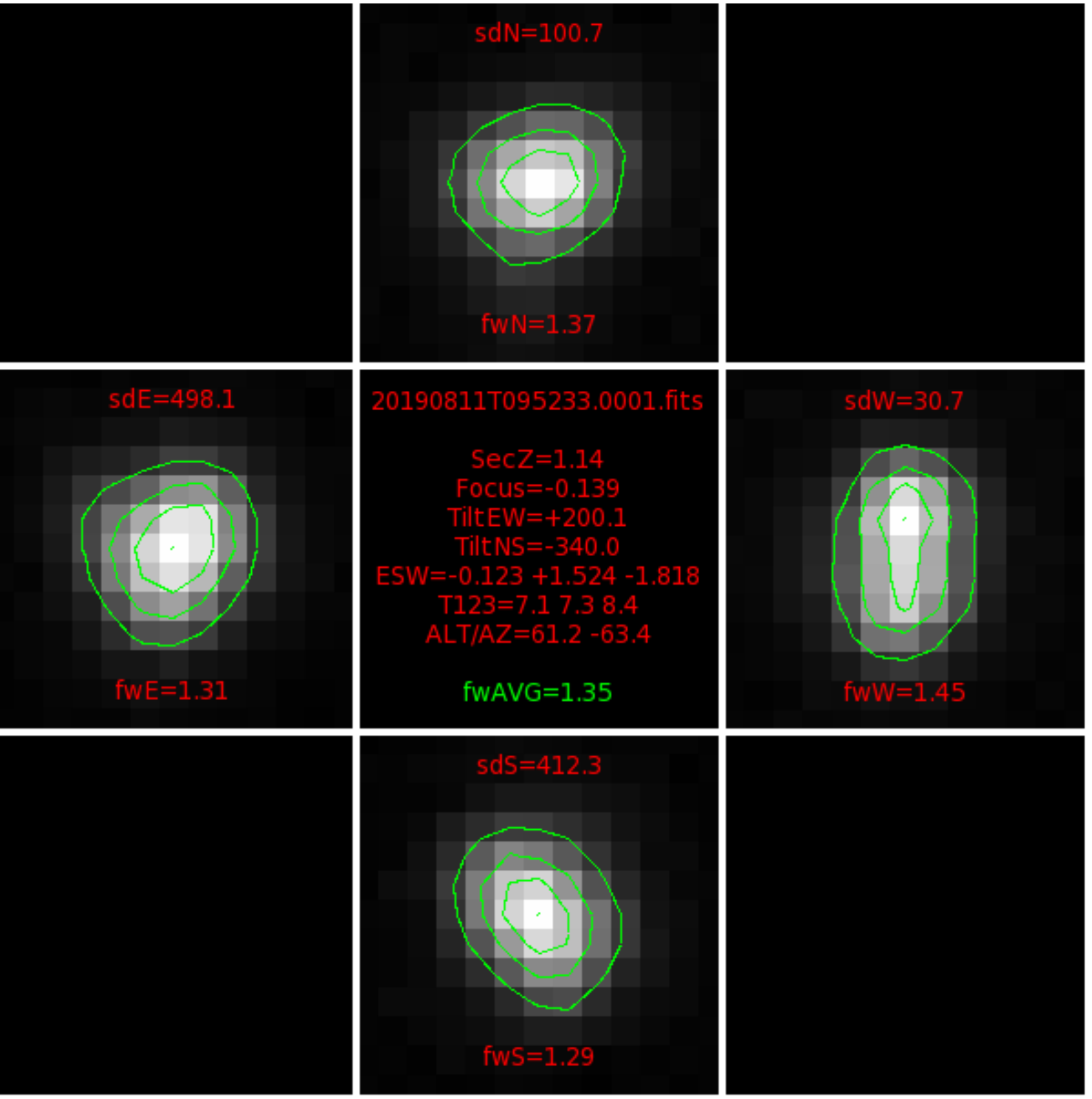

sdN=15.4
fwN=1.42
sdE=119.3
fwE=1.63
20190811T094751.0001.fits
SecZ=1.13
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=7.3 7.3 8.4
ALT/AZ=62.1 -63.1
fwAVG=1.45
sdW=21.2
fwW=1.45
sdS=24.9
fwS=1.30
0 0 0 0 0 0 0 0 0

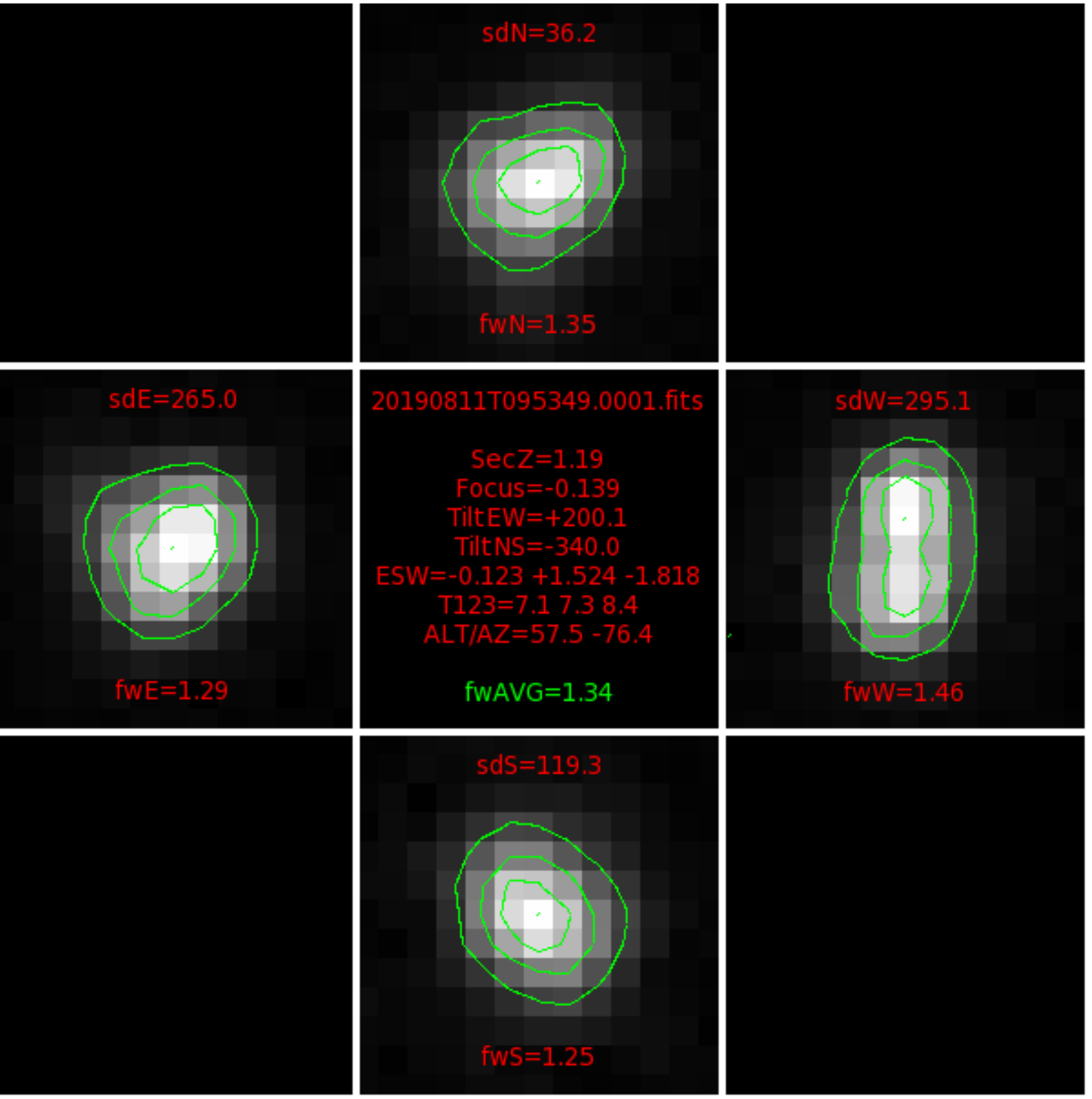

sdN=23.3
fwN=1.64
sdE=154.9
fwE=1.70
20190811T094829.0001.fits
SecZ=1.13
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=7.3 7.3 8.4
ALT/AZ=62.0 -63.2
fwAVG=1.70
sdW=9.5
fwW=1.89
sdS=62.5
fwS=1.57
0 0 0 0 0 0 0 0 0

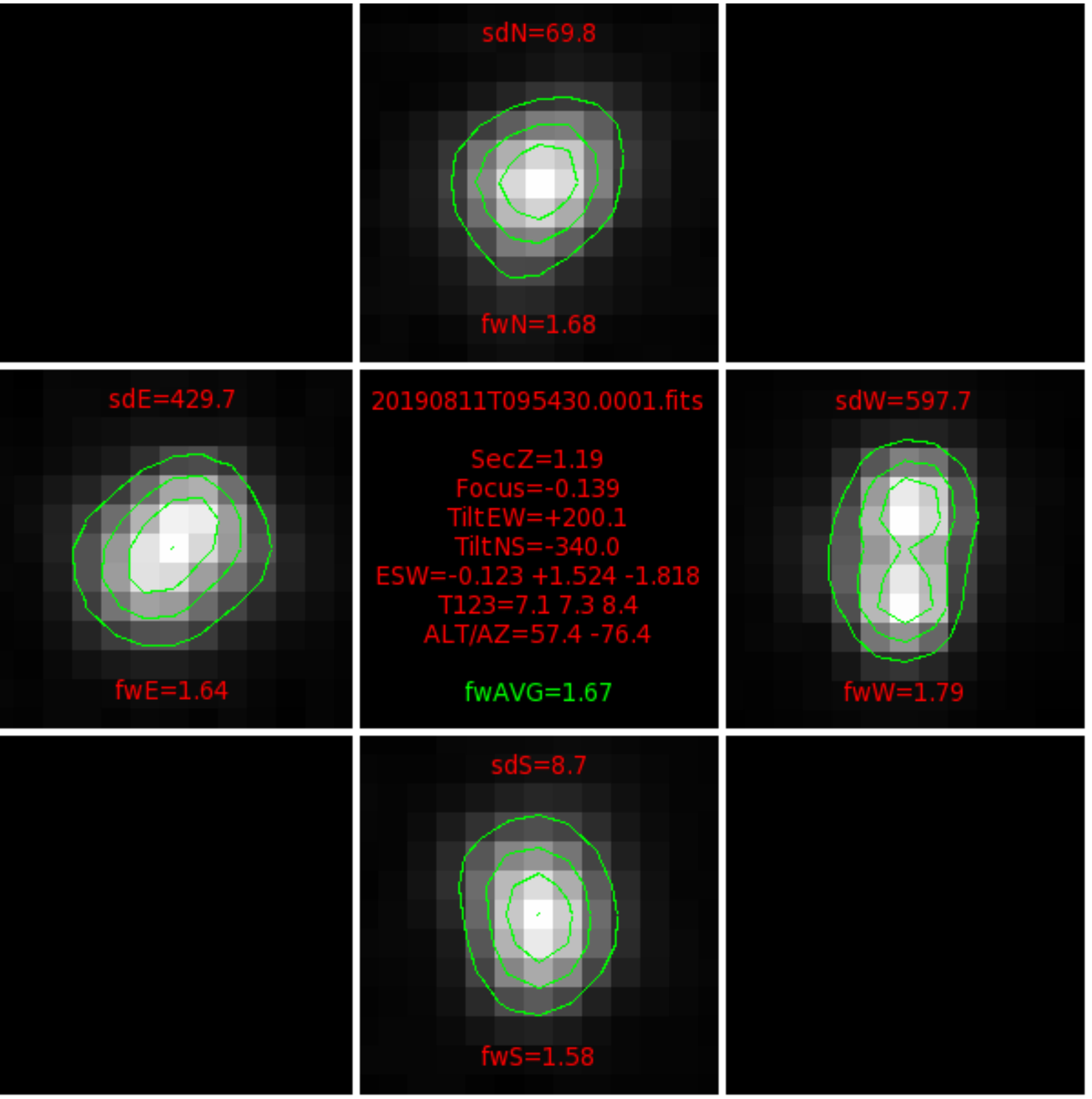

sdN=19.5
fwN=1.56
sdE=157.6
fwE=1.64
20190811T094956.0001.fits
SecZ=1.14
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=7.2 7.3 8.4
ALT/AZ=61.7 -63.2
fwAVG=1.57
sdW=9.6
fwW=1.65
sdS=65.3
fwS=1.44
0 0 0 0 0 0 0 0 0

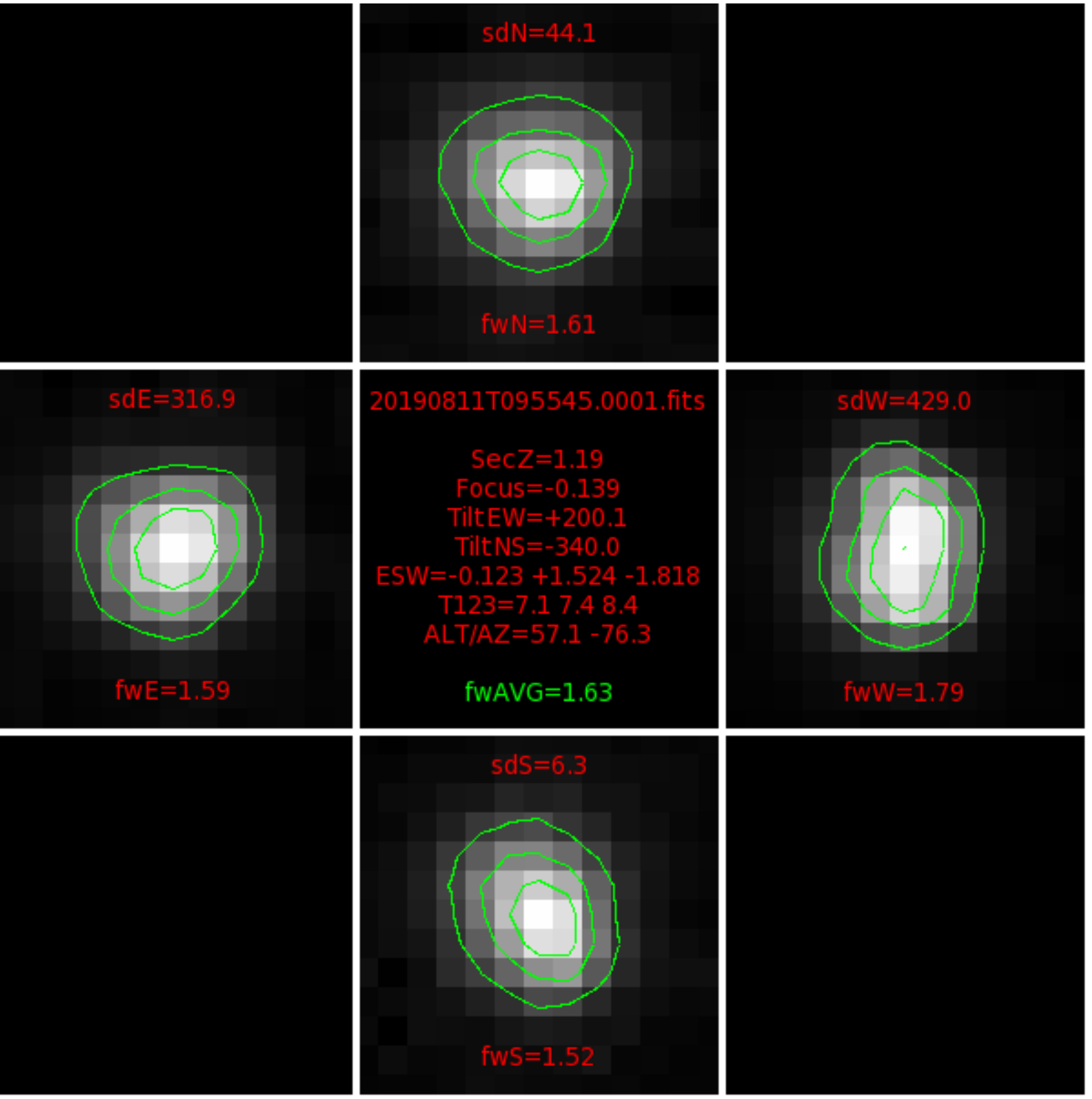

sdN=44.0
fwN=1.44
sdE=264.9
fwE=1.40
20190811T095031.0001.fits
SecZ=1.14
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=7.2 7.3 8.4
ALT/AZ=61.6 -63.3
fwAVG=1.42
sdW=13.6
fwW=1.49
sdS=127.0
fwS=1.34
0 0 0 0 0 0 0 0 0

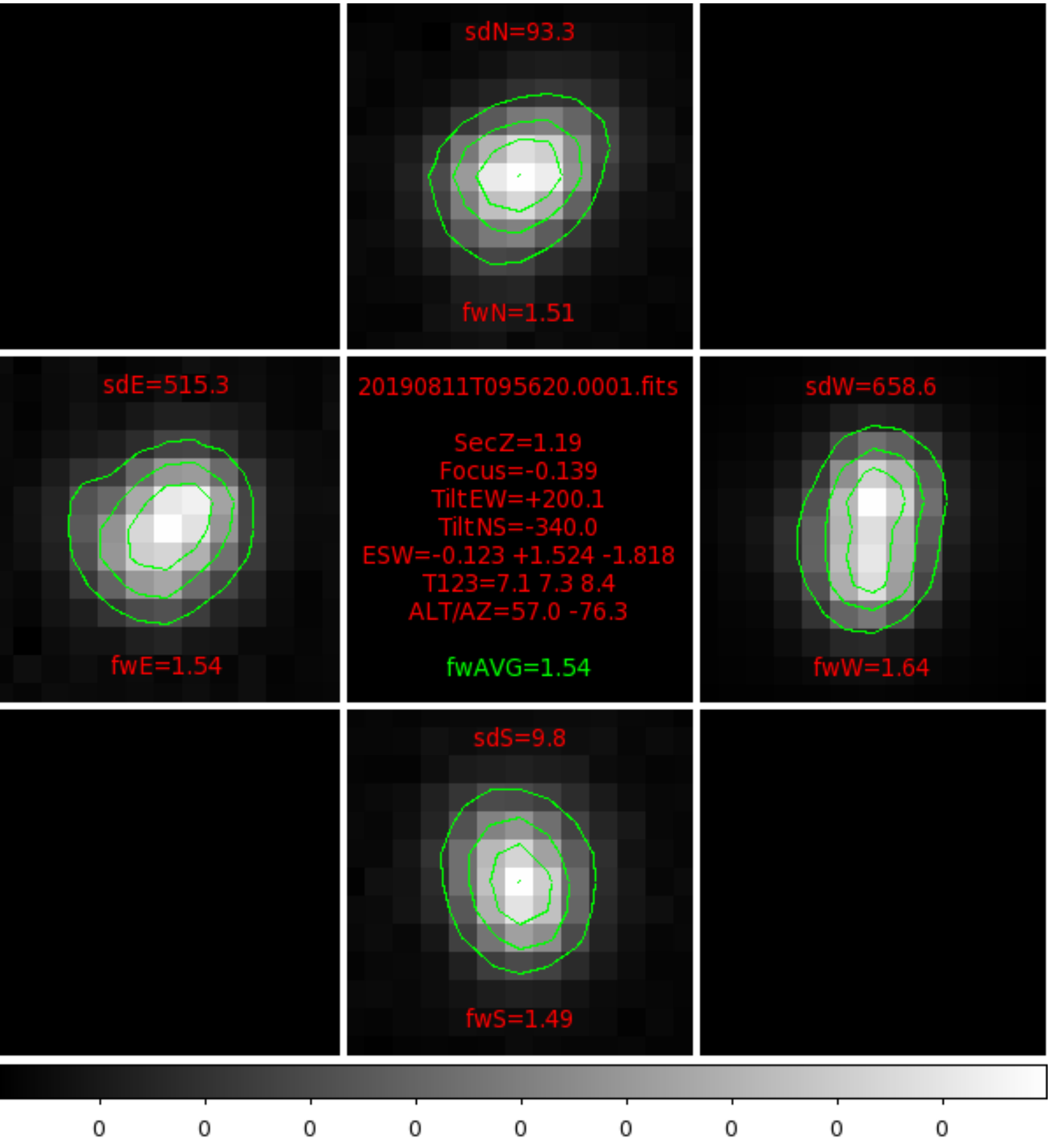

sdN=45.0
fwN=1.47
sdE=297.2
fwE=1.44
20190811T095153.0001.fits
SecZ=1.14
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=7.1 7.3 8.4
ALT/AZ=61.3 -63.4
fwAVG=1.45
sdW=13.9
fwW=1.56
sdS=216.2
fwS=1.34
0 0 0 0 0 0 0 0 0

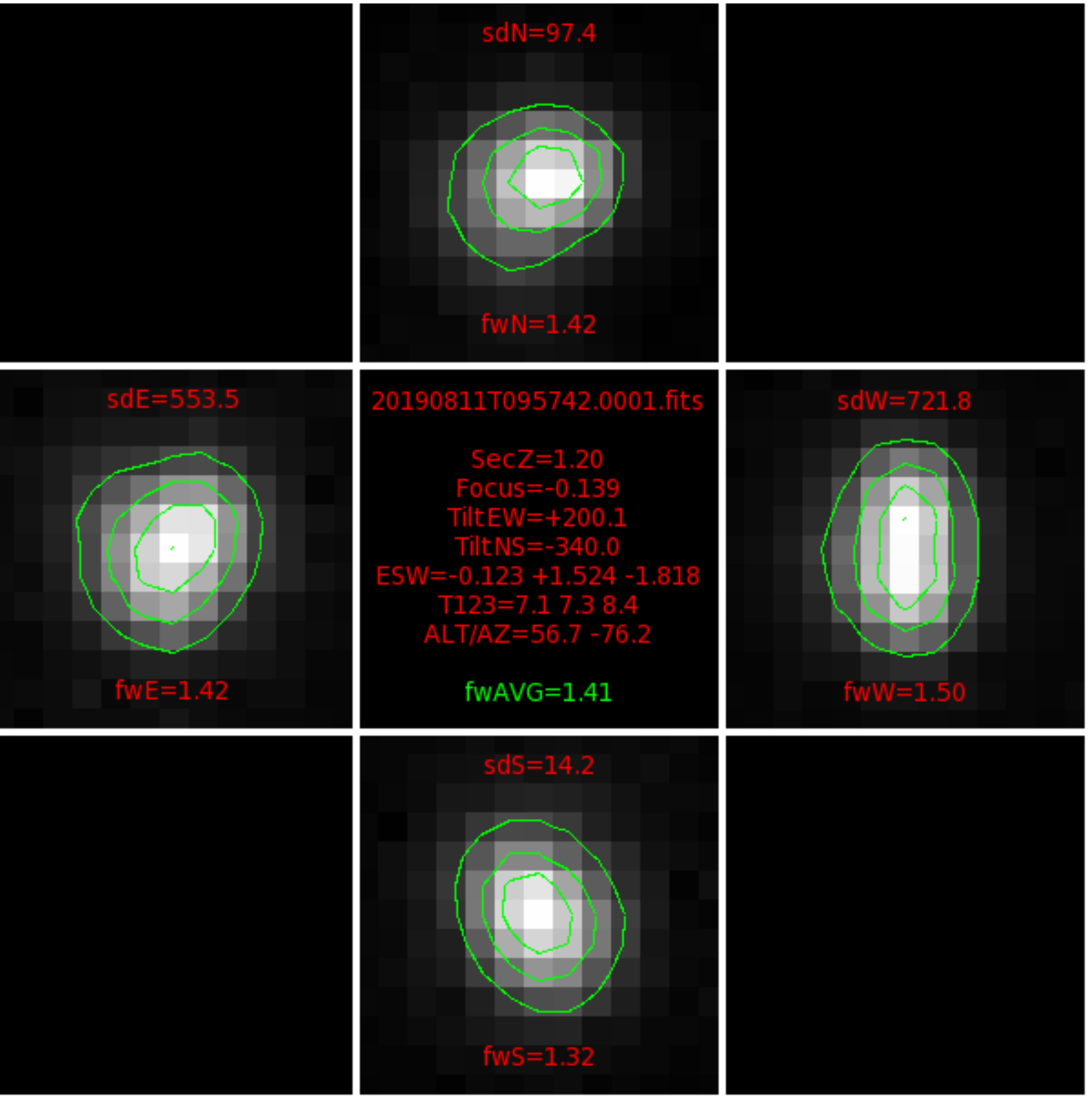

sdN=100.7
fwN=1.37
sdE=498.1
fwE=1.31
20190811T095233.0001.fits
SecZ=1.14
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=7.1 7.3 8.4
ALT/AZ=61.2 -63.4
fwAVG=1.35
sdW=30.7
fwW=1.45
sdS=412.3
fwS=1.29
0 0 0 0 0 0 0 0 0

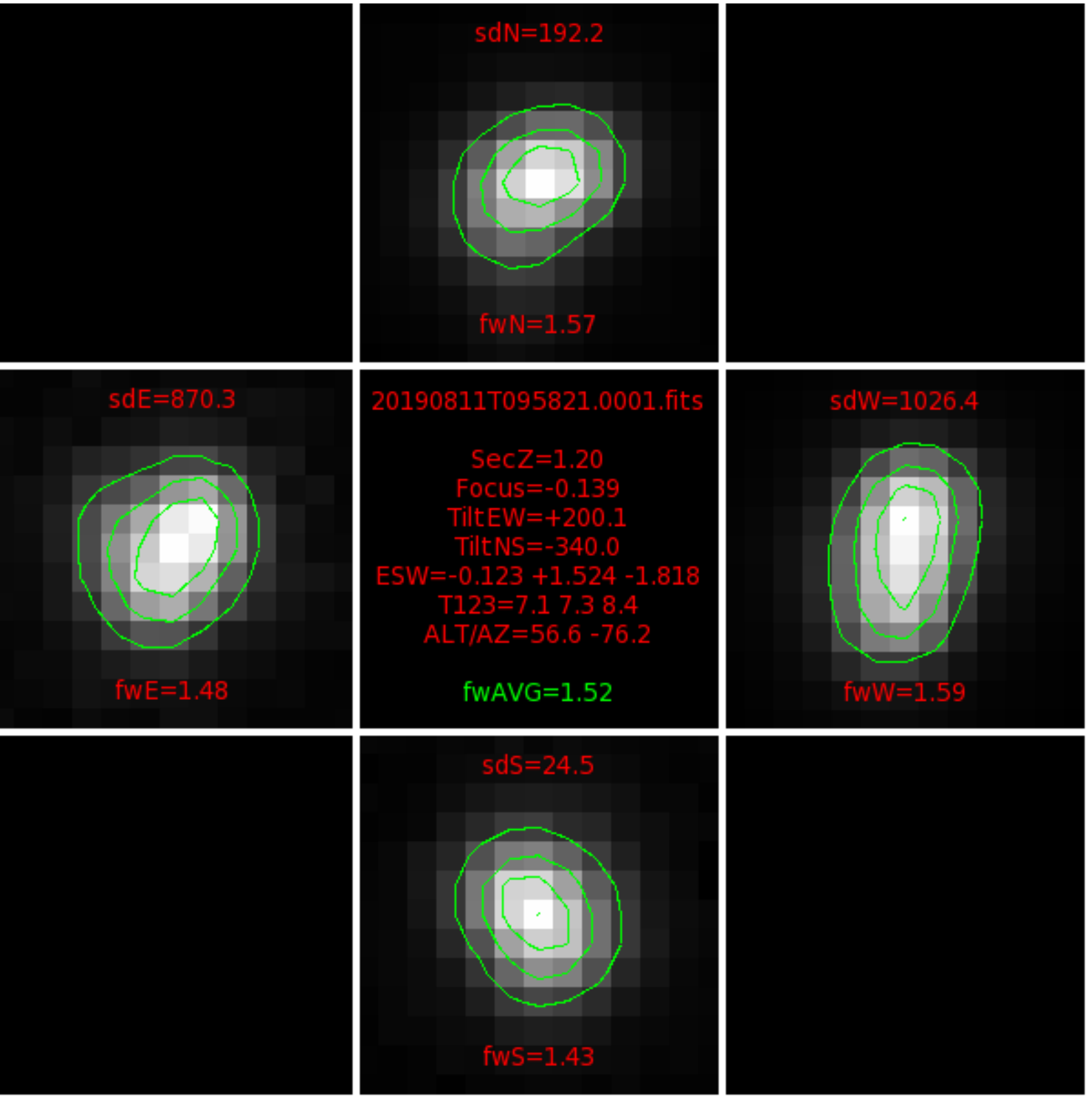

sdN=36.2
fwN=1.35
sdE=265.0
fwE=1.29
20190811T095349.0001.fits
SecZ=1.19
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=7.1 7.3 8.4
ALT/AZ=57.5 -76.4
fwAVG=1.34
sdW=295.1
fwW=1.46
sdS=119.3
fwS=1.25
0 0 0 0 0 0 0 0 0


sdN=69.8
fwN=1.68
sdE=429.7
fwE=1.64
20190811T095430.0001.fits
SecZ=1.19
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=7.1 7.3 8.4
ALT/AZ=57.4 -76.4
fwAVG=1.67
sdW=597.7
fwW=1.79
sdS=8.7
fwS=1.58
0 0 0 0 0 0 0 0 0


sdN=44.1
fwN=1.61
sdE=316.9
fwE=1.59
20190811T095545.0001.fits
SecZ=1.19
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=7.1 7.4 8.4
ALT/AZ=57.1 -76.3
fwAVG=1.63
sdW=429.0
fwW=1.79
sdS=6.3
fwS=1.52
0 0 0 0 0 0 0 0 0


sdN=93.3
fwN=1.51
sdE=515.3
fwE=1.54
20190811T095620.0001.fits
SecZ=1.19
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=7.1 7.3 8.4
ALT/AZ=57.0 -76.3
fwAVG=1.54
sdW=658.6
fwW=1.64
sdS=9.8
fwS=1.49
0 0 0 0 0 0 0 0 0


sdN=97.4
fwN=1.42
sdE=553.5
fwE=1.42
20190811T095742.0001.fits
SecZ=1.20
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=7.1 7.3 8.4
ALT/AZ=56.7 -76.2
fwAVG=1.41
sdW=721.8
fwW=1.50
sdS=14.2
fwS=1.32
0 0 0 0 0 0 0 0 0


sdN=192.2
fwN=1.57
sdE=870.3
fwE=1.48
20190811T095821.0001.fits
SecZ=1.20
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=7.1 7.3 8.4
ALT/AZ=56.6 -76.2
fwAVG=1.52
sdW=1026.4
fwW=1.59
sdS=24.5
fwS=1.43
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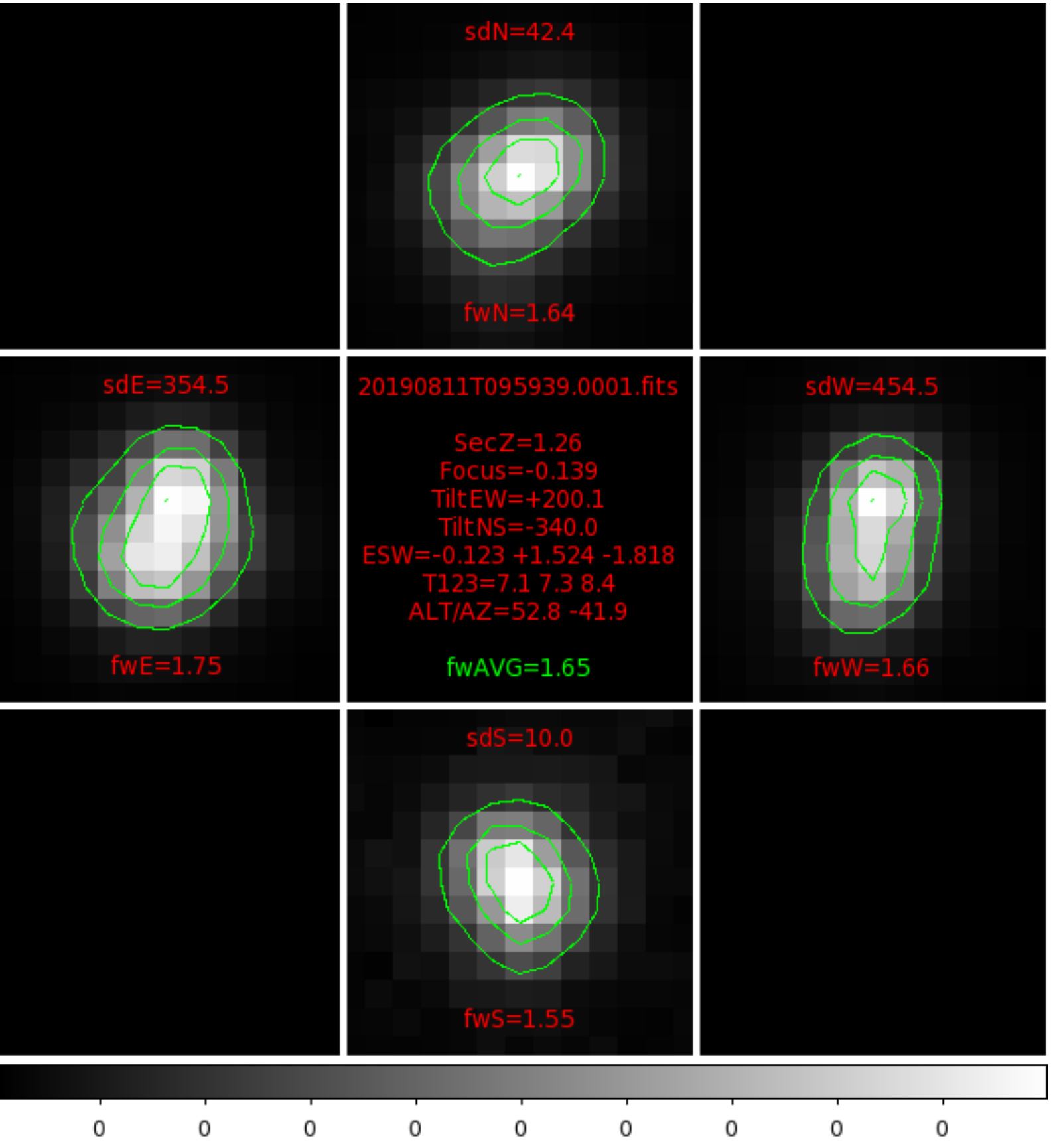
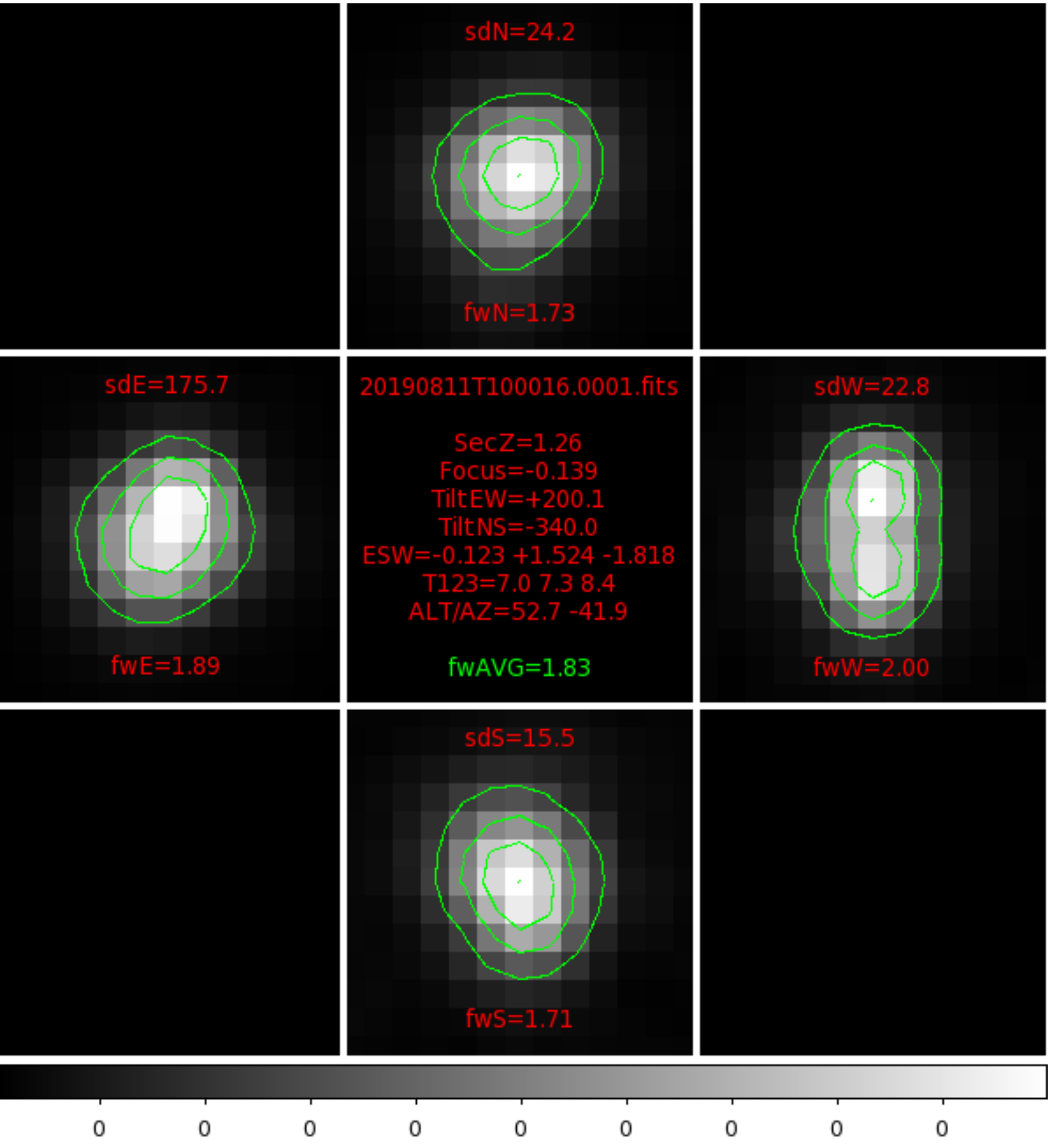
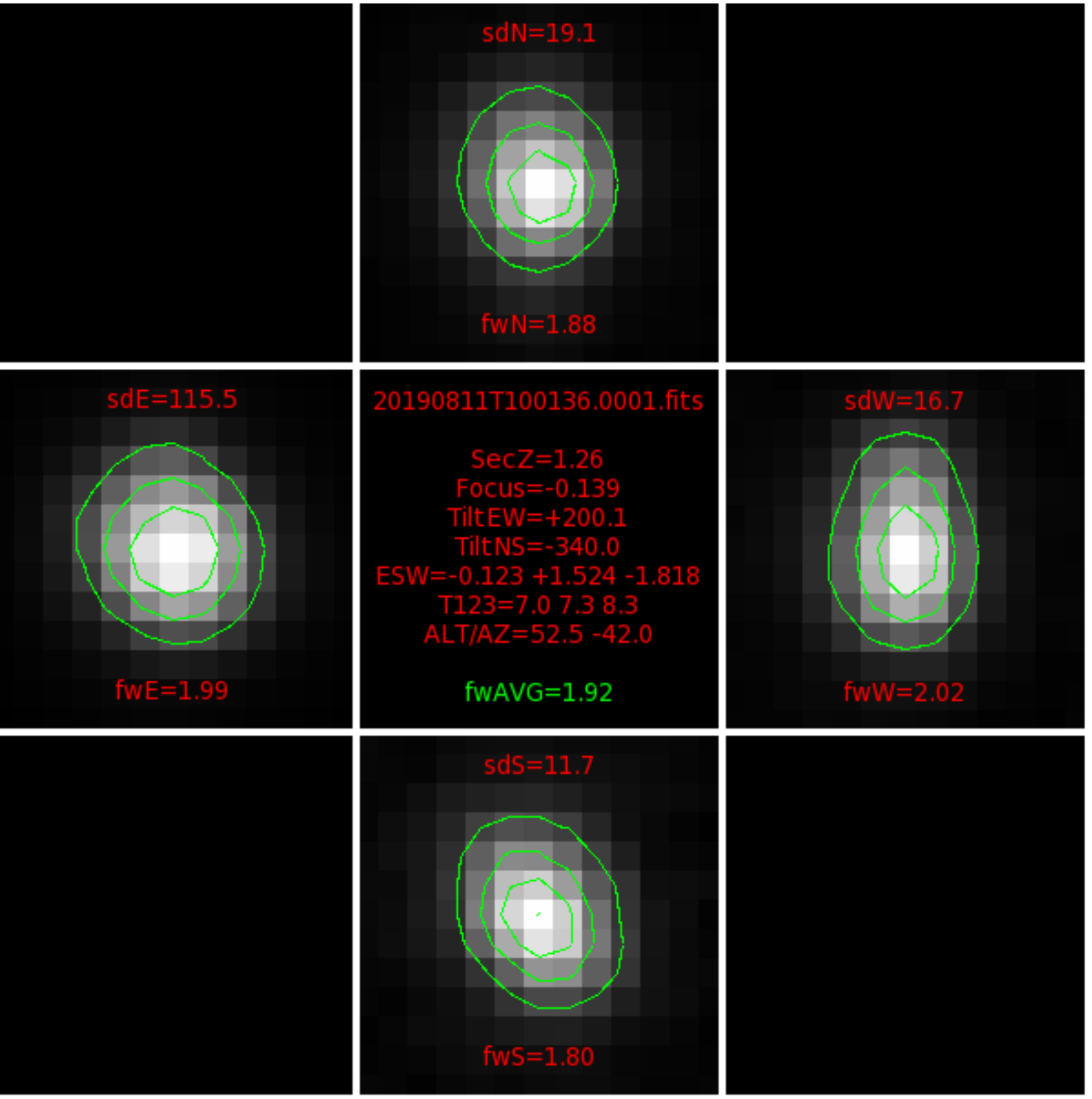
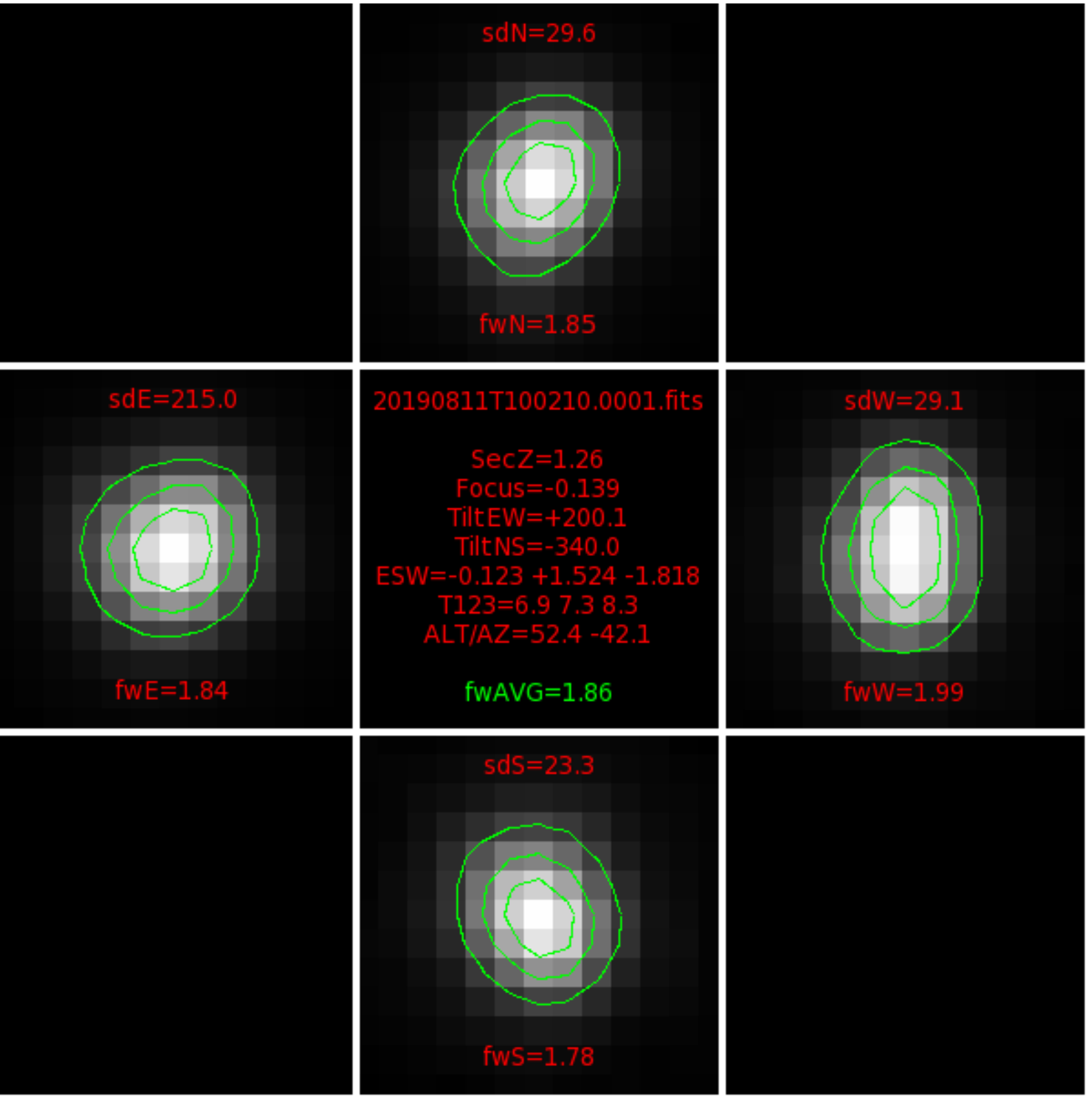

sdN=42.4
fwN=1.64
sdE=354.5
fwE=1.75
20190811T095939.0001.fits
SecZ=1.26
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=7.1 7.3 8.4
ALT/AZ=52.8 -41.9
fwAVG=1.65
sdW=454.5
fwW=1.66
sdS=10.0
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=24.2
fwN=1.73
sdE=175.7
fwE=1.89
20190811T100016.0001.fits
SecZ=1.26
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=7.0 7.3 8.4
ALT/AZ=52.7 -41.9
fwAVG=1.83
sdW=22.8
fwW=2.00
sdS=15.5
fwS=1.71
0 0 0 0 0 0 0 0 0


sdN=19.1
fwN=1.88
sdE=115.5
fwE=1.99
20190811T100136.0001.fits
SecZ=1.26
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=7.0 7.3 8.3
ALT/AZ=52.5 -42.0
fwAVG=1.92
sdW=16.7
fwW=2.02
sdS=11.7
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=29.6
fwN=1.85
sdE=215.0
fwE=1.84
20190811T100210.0001.fits
SecZ=1.26
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=6.9 7.3 8.3
ALT/AZ=52.4 -42.1
fwAVG=1.86
sdW=29.1
fwW=1.99
sdS=23.3
fwS=1.78
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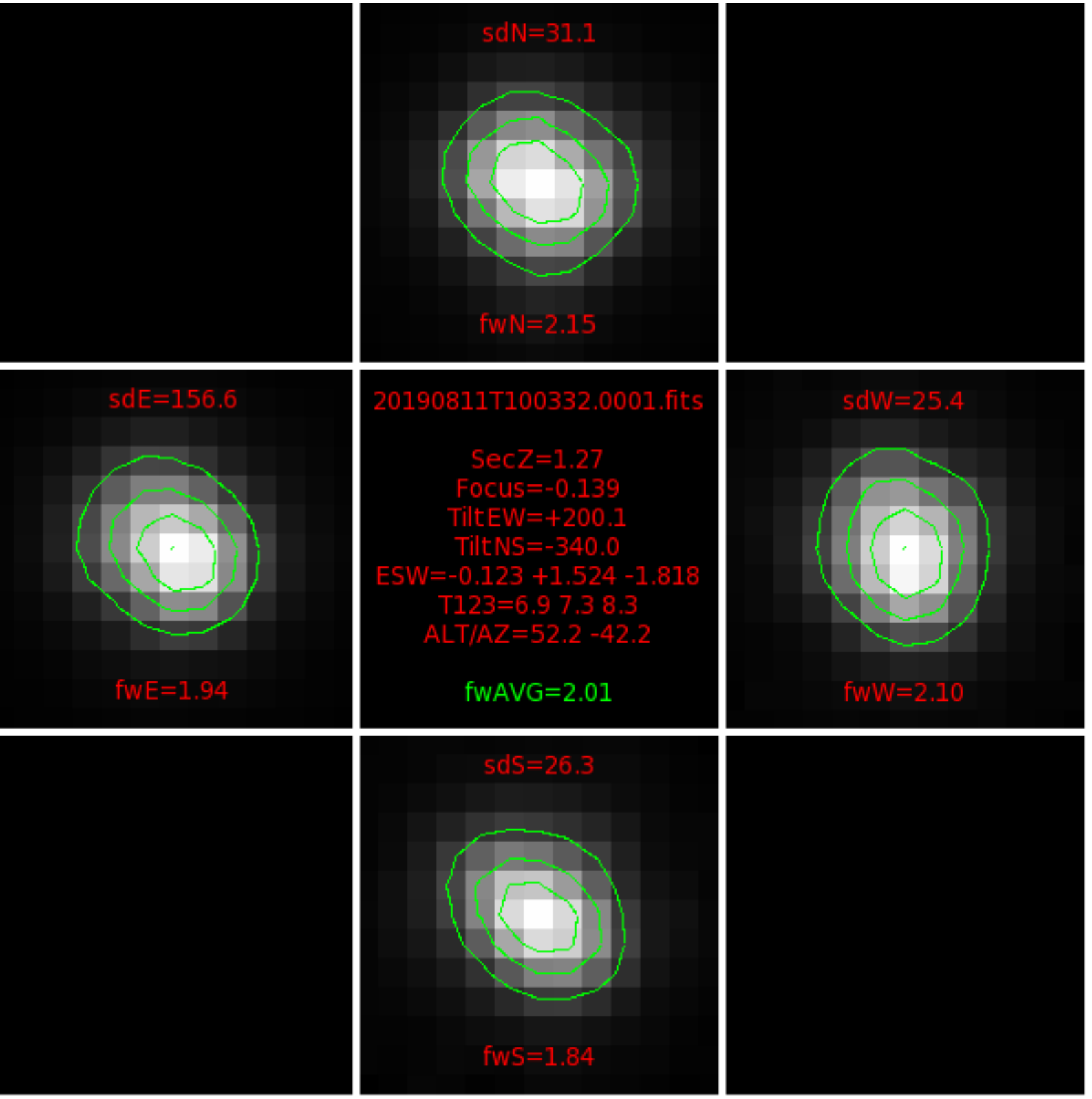
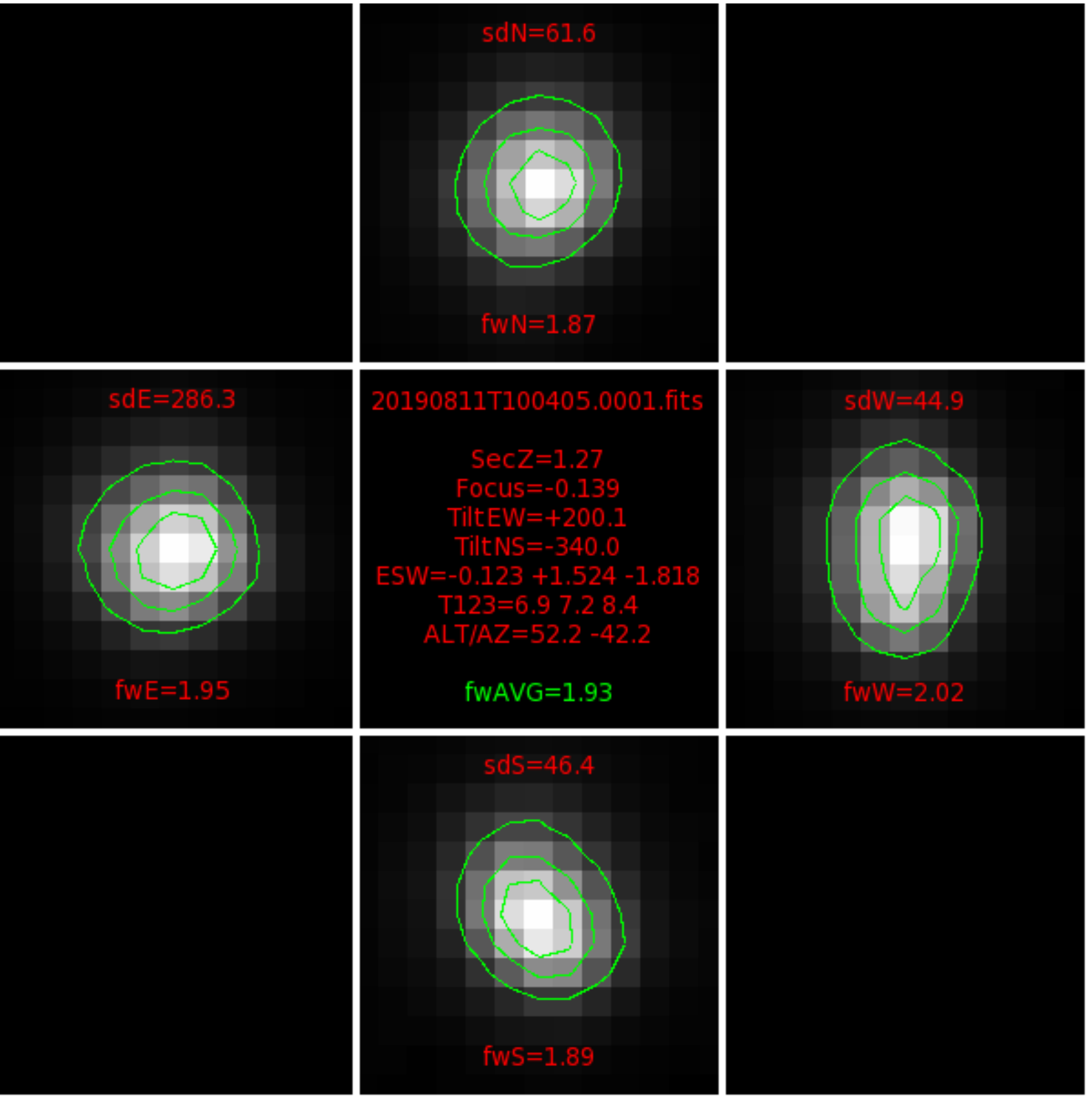

sdN=31.1
fwN=2.15
sdE=156.6
fwE=1.94
20190811T100332.0001.fits
SecZ=1.27
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=6.9 7.3 8.3
ALT/AZ=52.2 -42.2
fwAVG=2.01
sdW=25.4
fwW=2.10
sdS=26.3
fwS=1.84
0 0 0 0 0 0 0 0 0


sdN=61.6
fwN=1.87
sdE=286.3
fwE=1.95
20190811T100405.0001.fits
SecZ=1.27
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=6.9 7.2 8.4
ALT/AZ=52.2 -42.2
fwAVG=1.93
sdW=44.9
fwW=2.02
sdS=46.4
fwS=1.89
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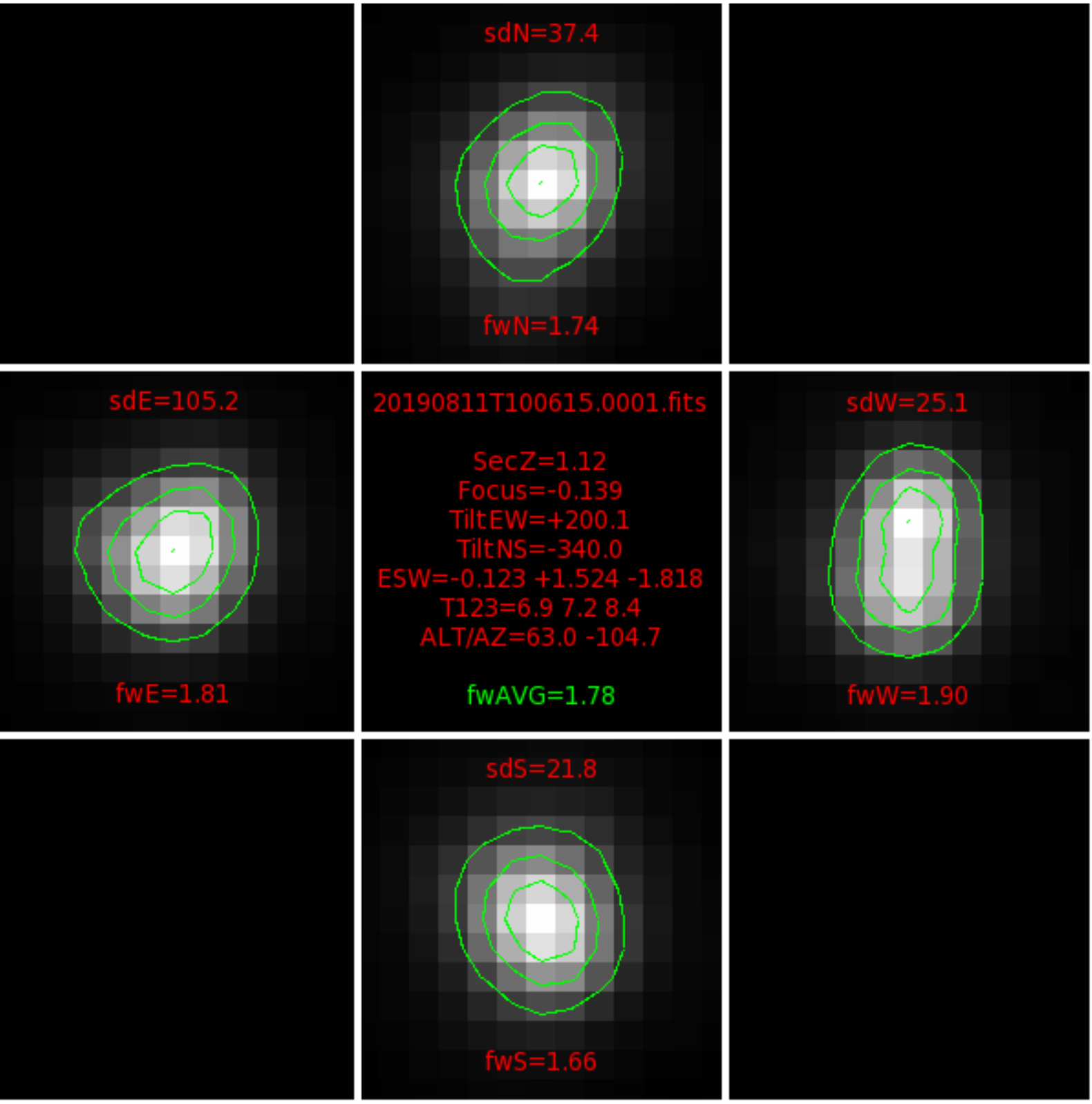
sdN=37.4
fwN=1.74
sdE=105.2
fwE=1.81
20190811T100615.0001.fits
SecZ=1.12
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=6.9 7.2 8.4
ALT/AZ=63.0 -104.7
fwAVG=1.78
sdW=25.1
fwW=1.90
sdS=21.8
fwS=1.66
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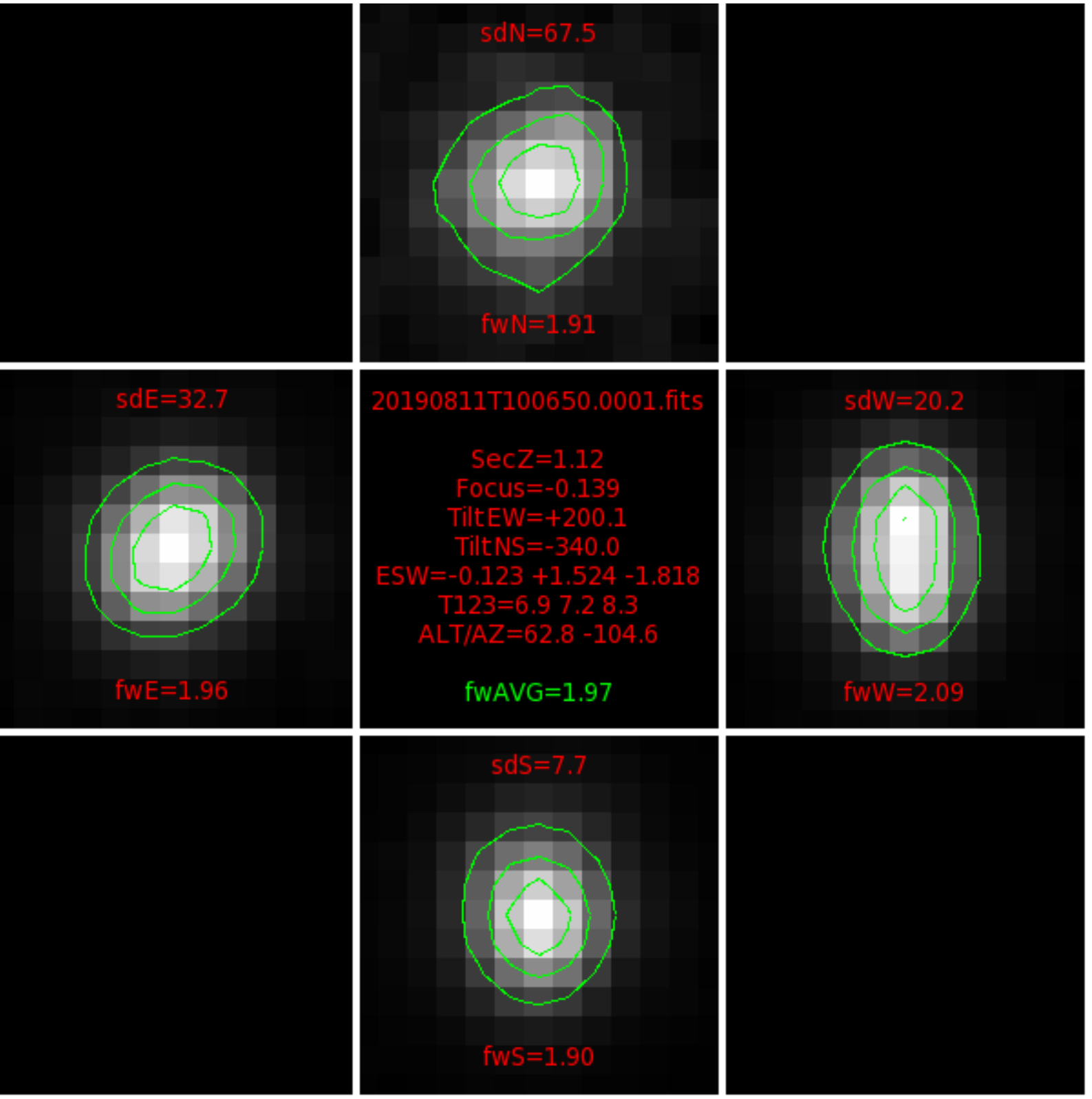
sdN=67.5
fwN=1.91
sdE=32.7
fwE=1.96
20190811T100650.0001.fits
SecZ=1.12
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=6.9 7.2 8.3
ALT/AZ=62.8 -104.6
fwAVG=1.97
sdW=20.2
fwW=2.09
sdS=7.7
fwS=1.90
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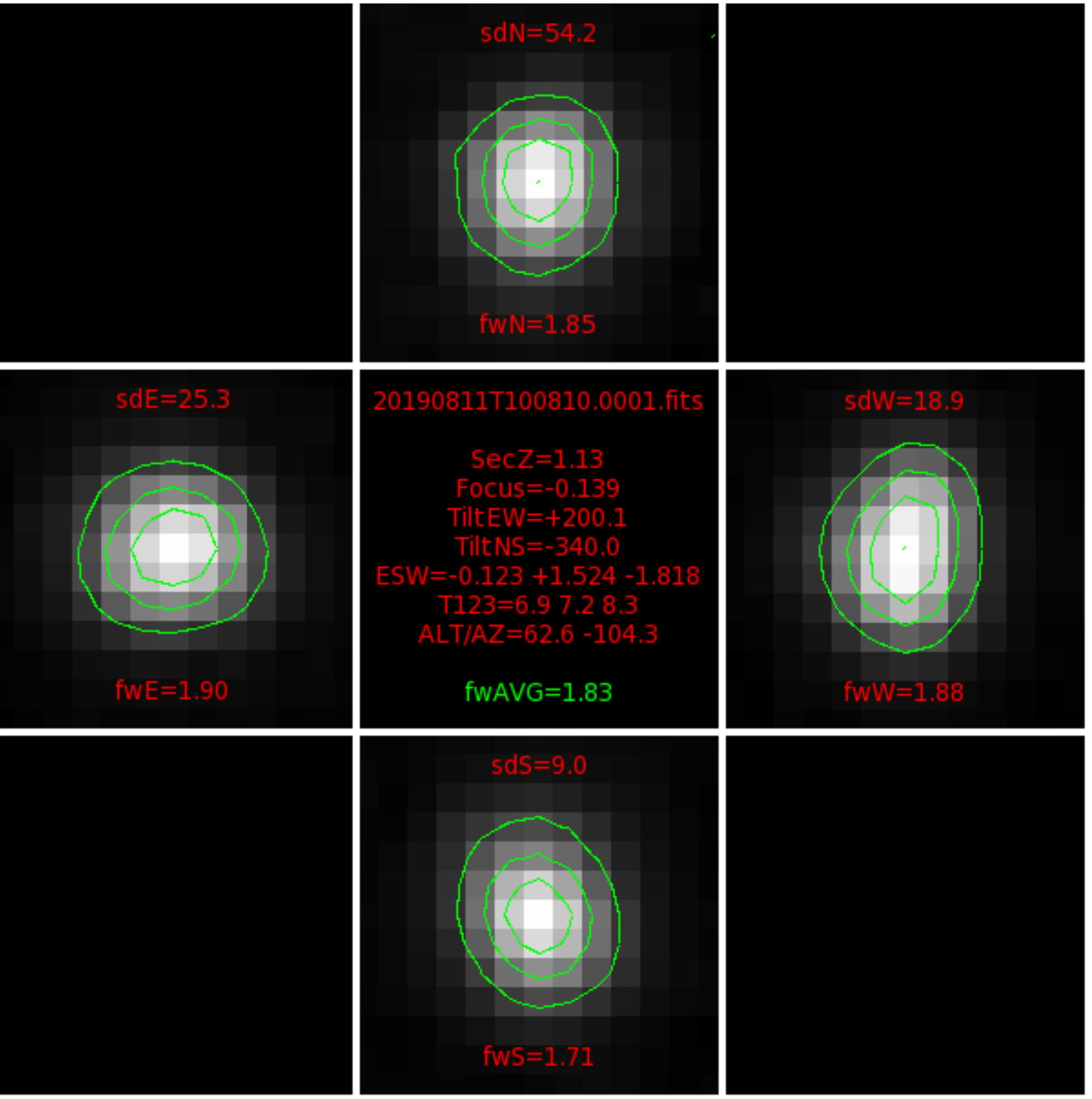
sdN=54.2
fwN=1.85
sdE=25.3
fwE=1.90
20190811T100810.0001.fits
SecZ=1.13
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=6.9 7.2 8.3
ALT/AZ=62.6 -104.3
fwAVG=1.83
sdW=18.9
fwW=1.88
sdS=9.0
fwS=1.71
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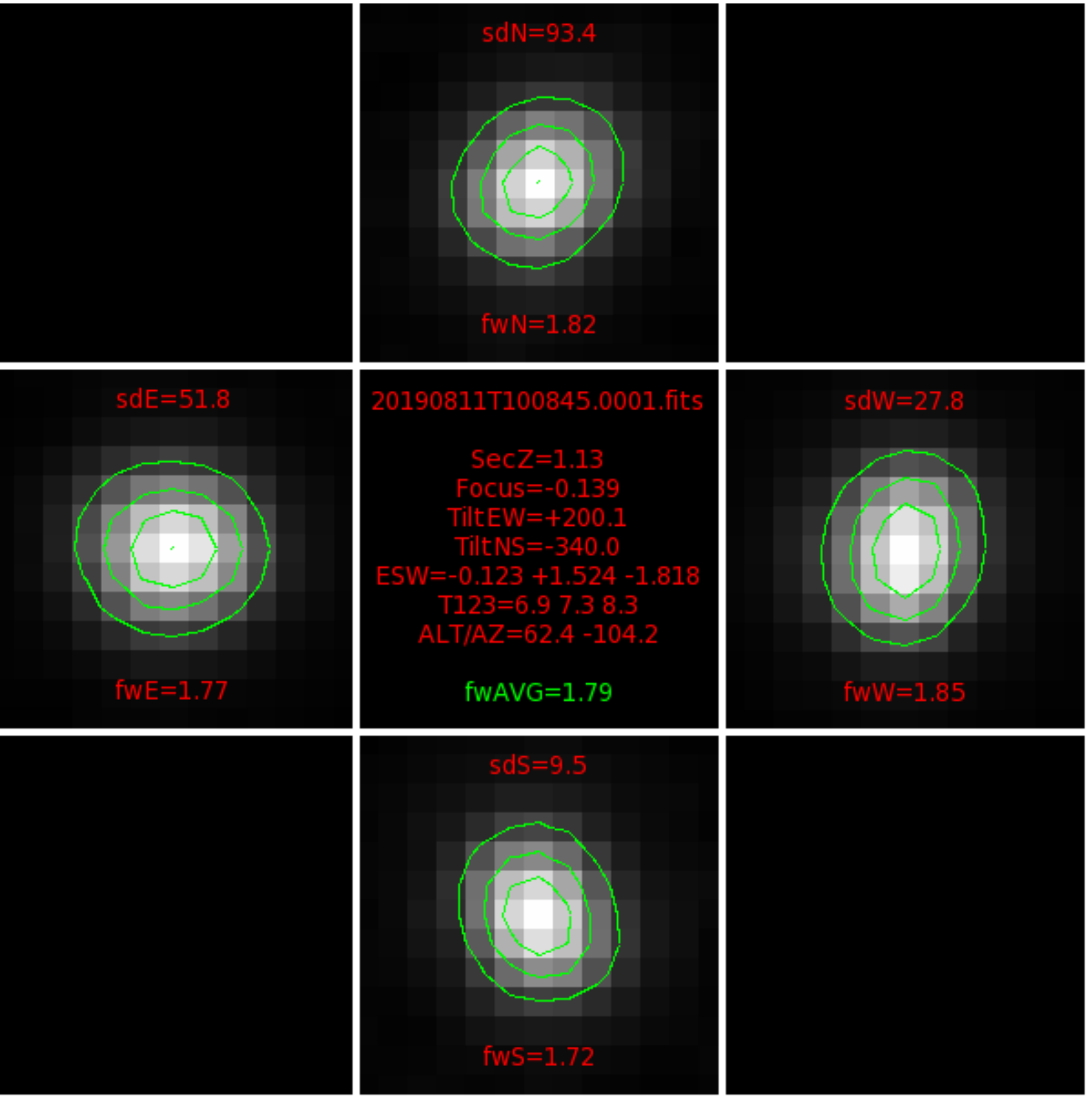
sdN=93.4
fwN=1.82
sdE=51.8
fwE=1.77
20190811T100845.0001.fits
SecZ=1.13
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=6.9 7.3 8.3
ALT/AZ=62.4 -104.2
fwAVG=1.79
sdW=27.8
fwW=1.85
sdS=9.5
fwS=1.72
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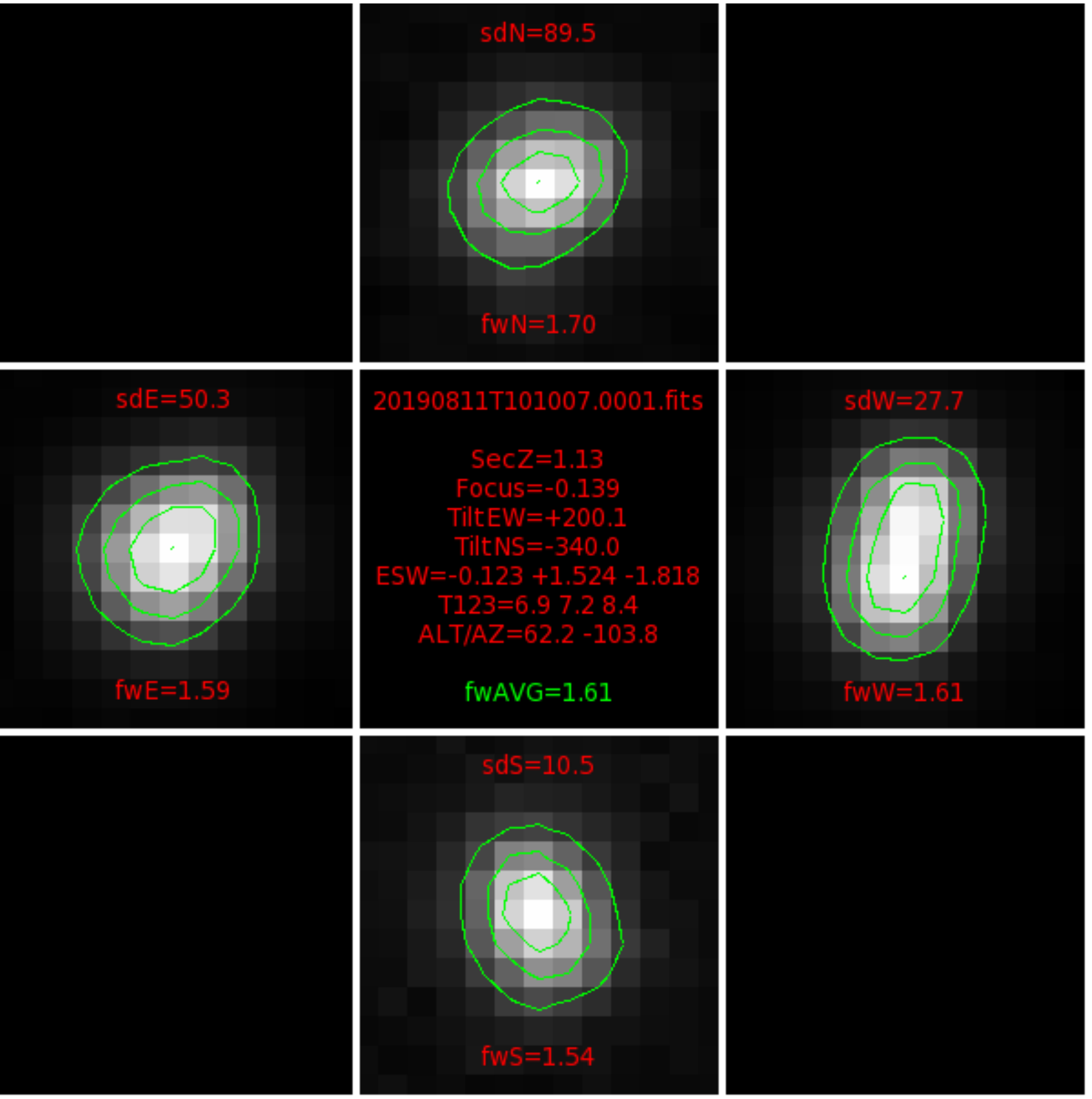
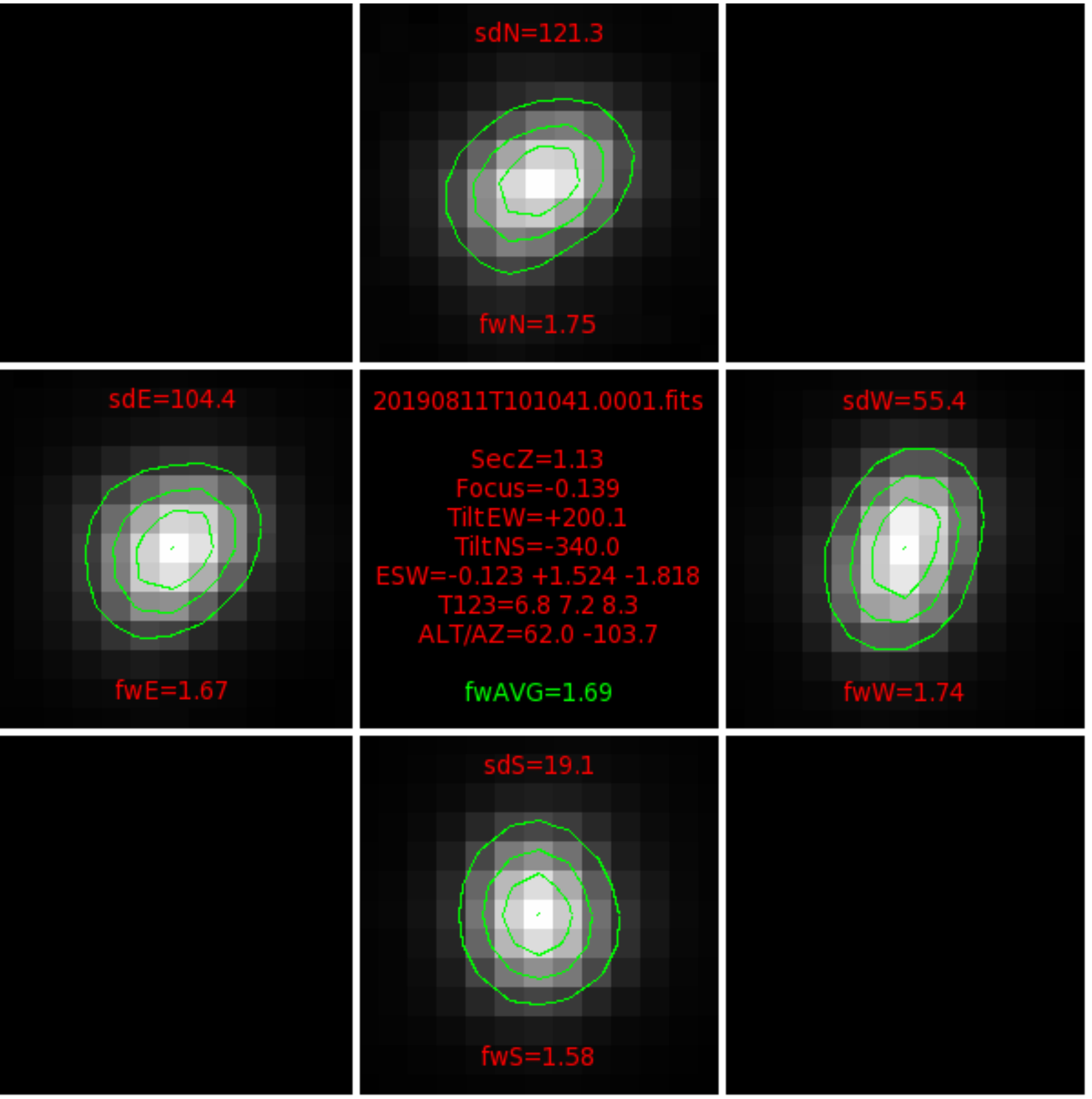
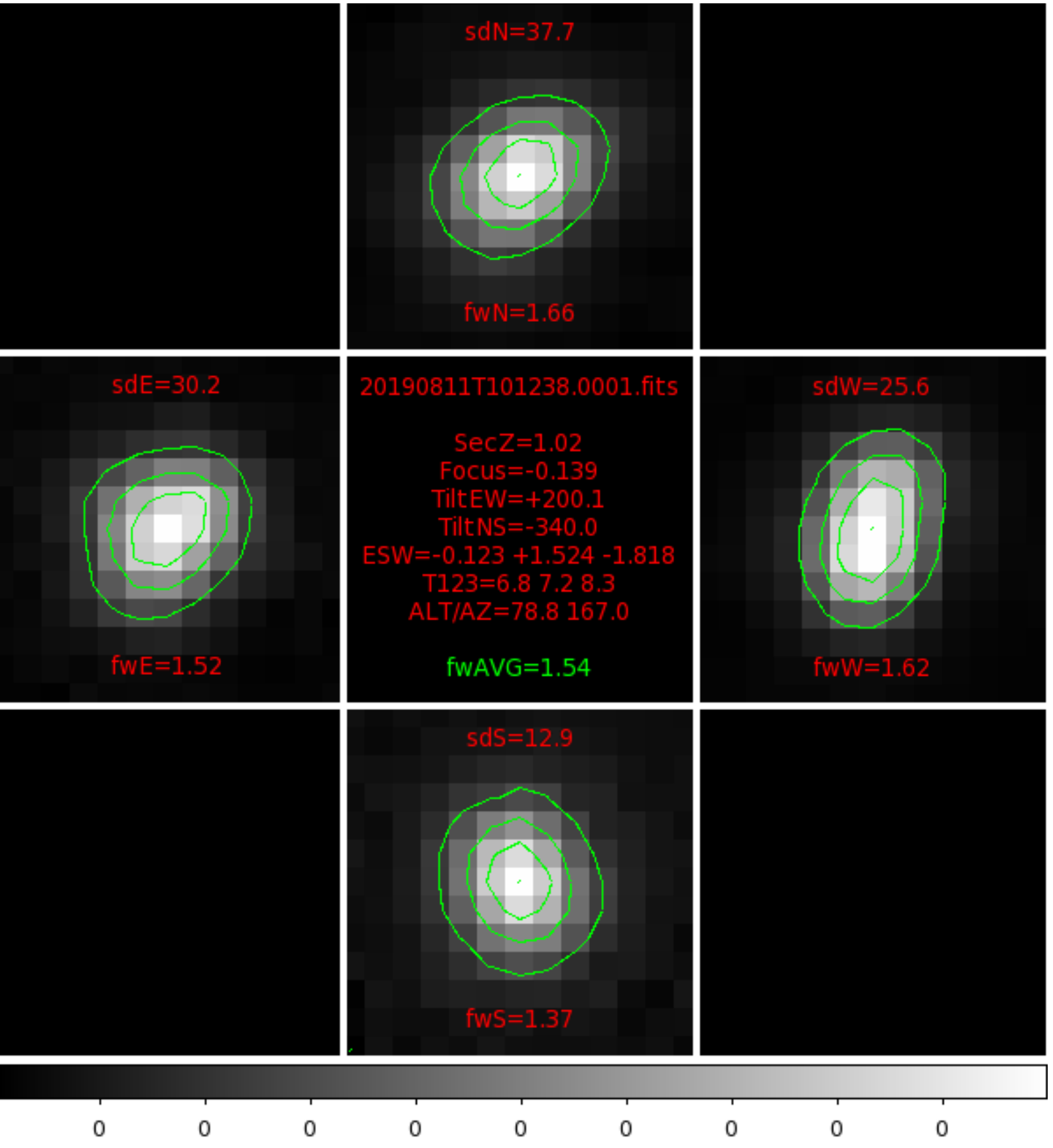
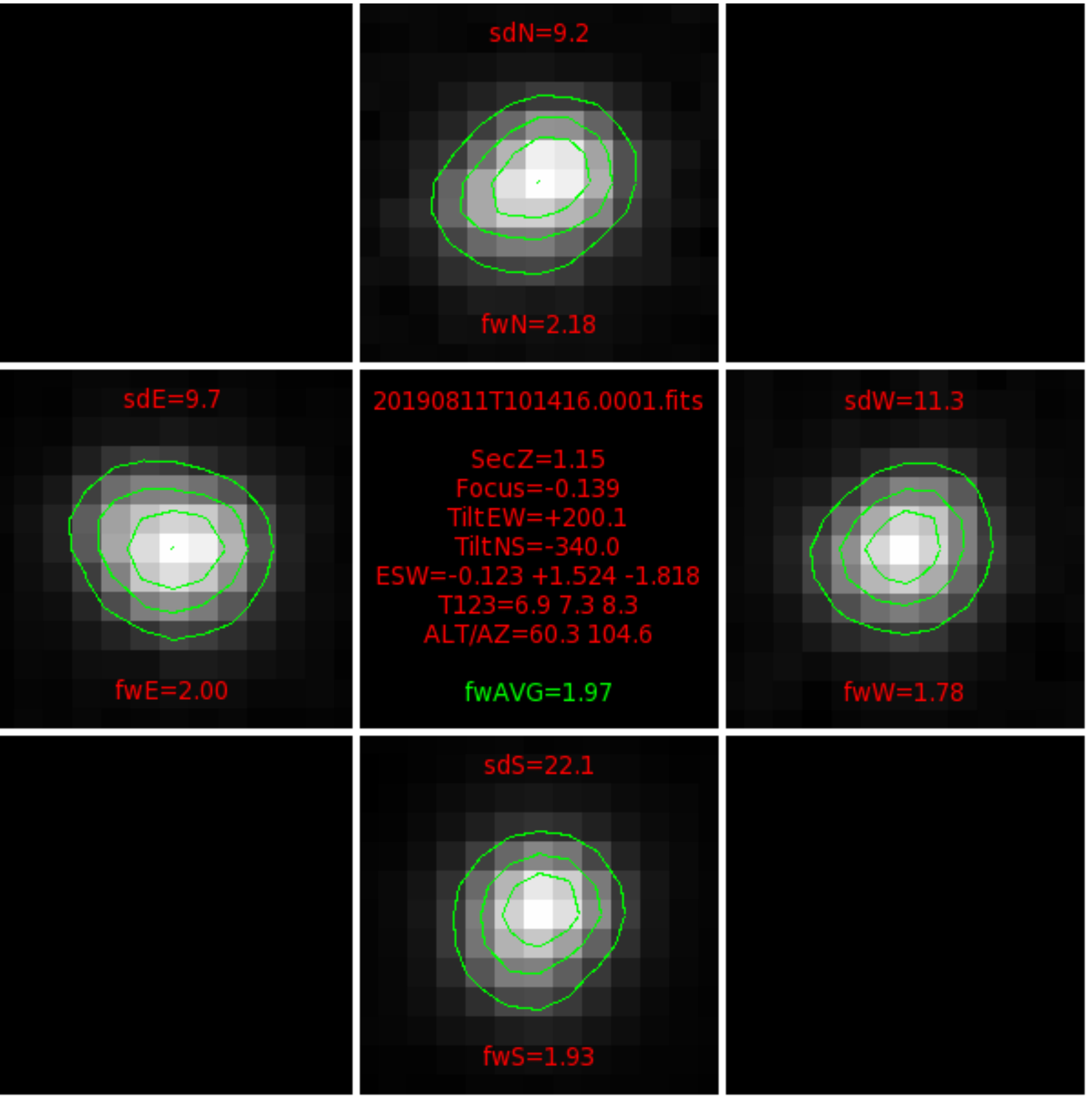
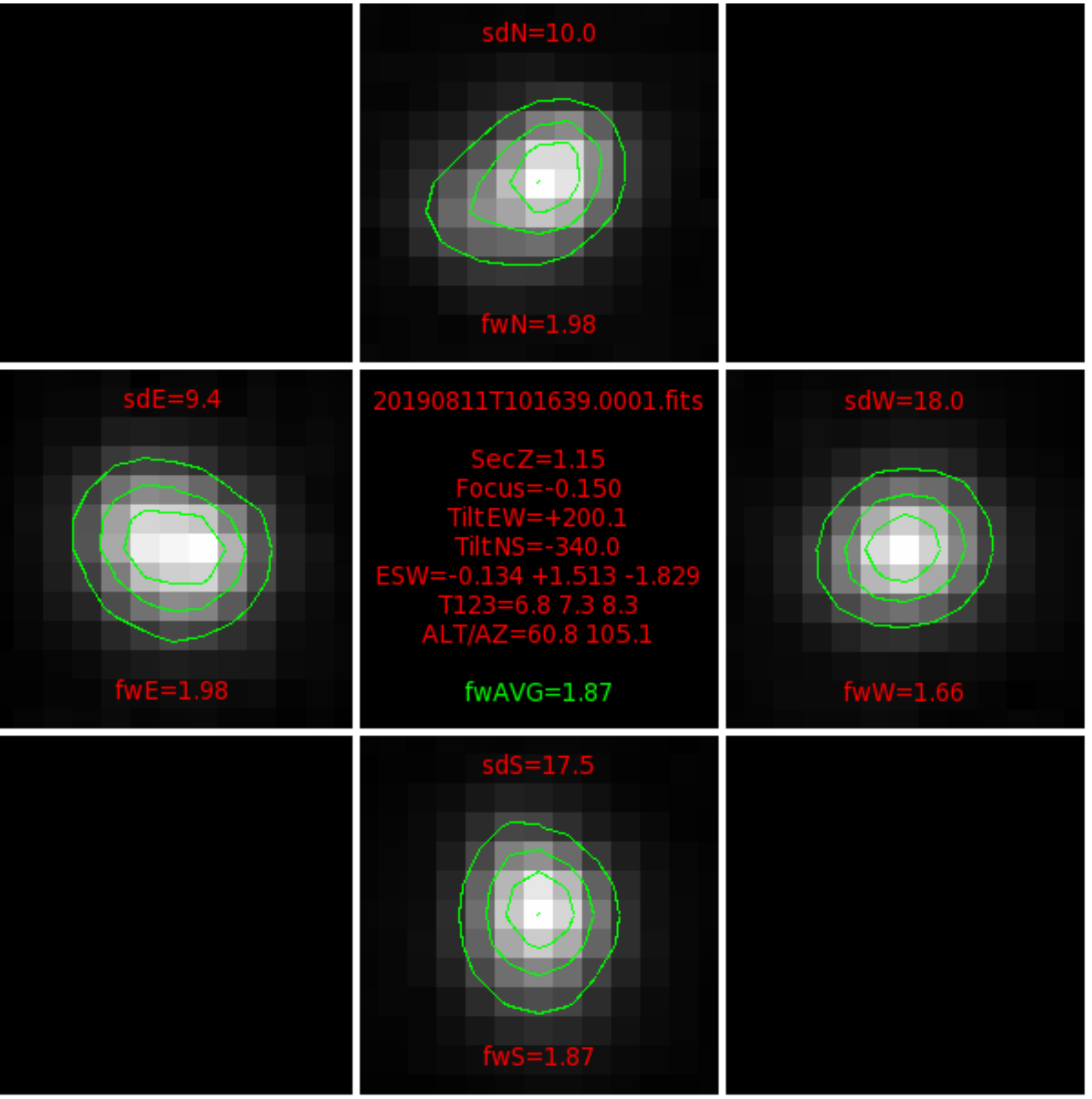
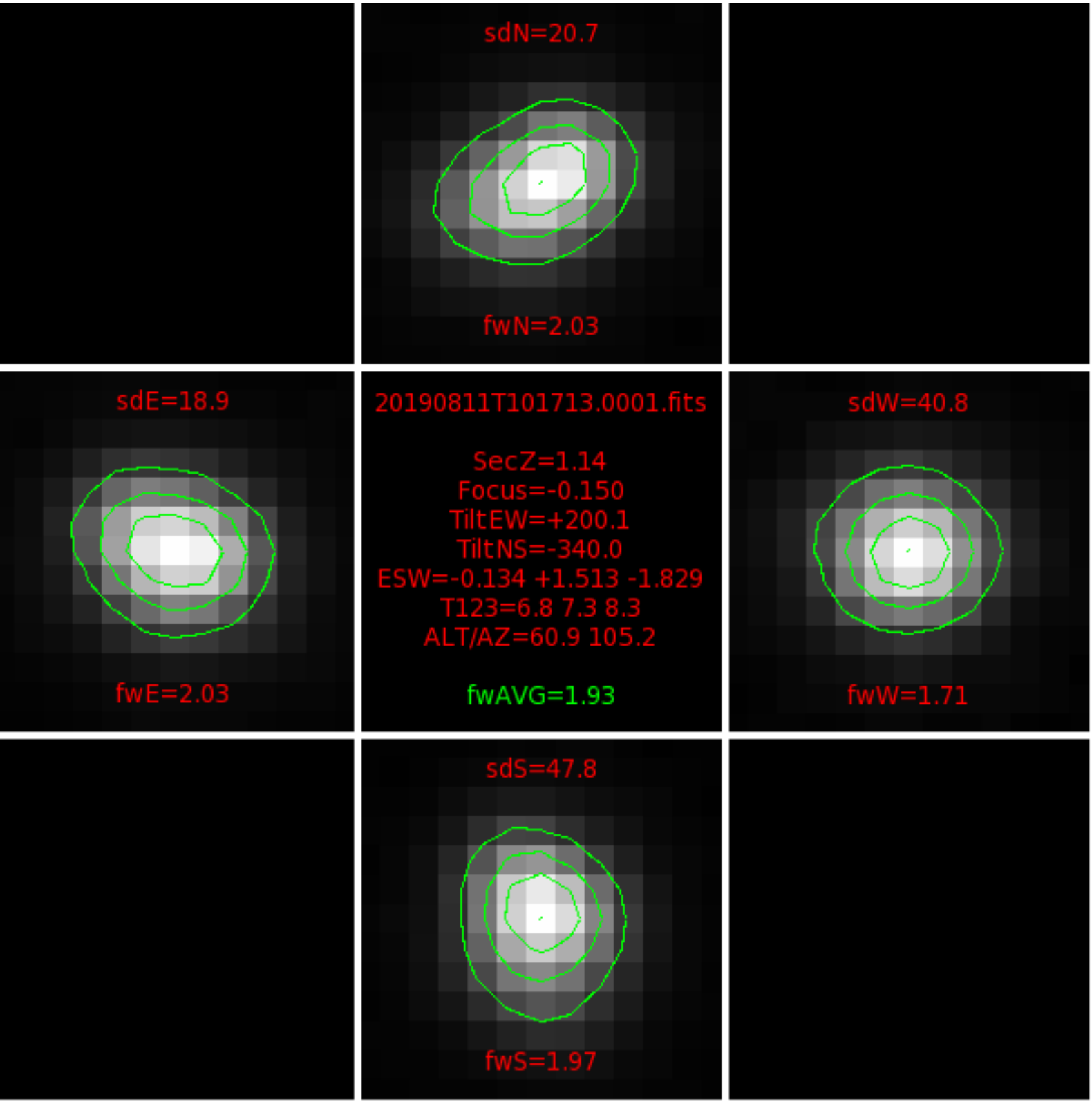

sdN=89.5
fwN=1.70
sdE=50.3
fwE=1.59
20190811T101007.0001.fits
SecZ=1.13
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=6.9 7.2 8.4
ALT/AZ=62.2 -103.8
fwAVG=1.61
sdW=27.7
fwW=1.61
sdS=10.5
fwS=1.54
0 0 0 0 0 0 0 0 0

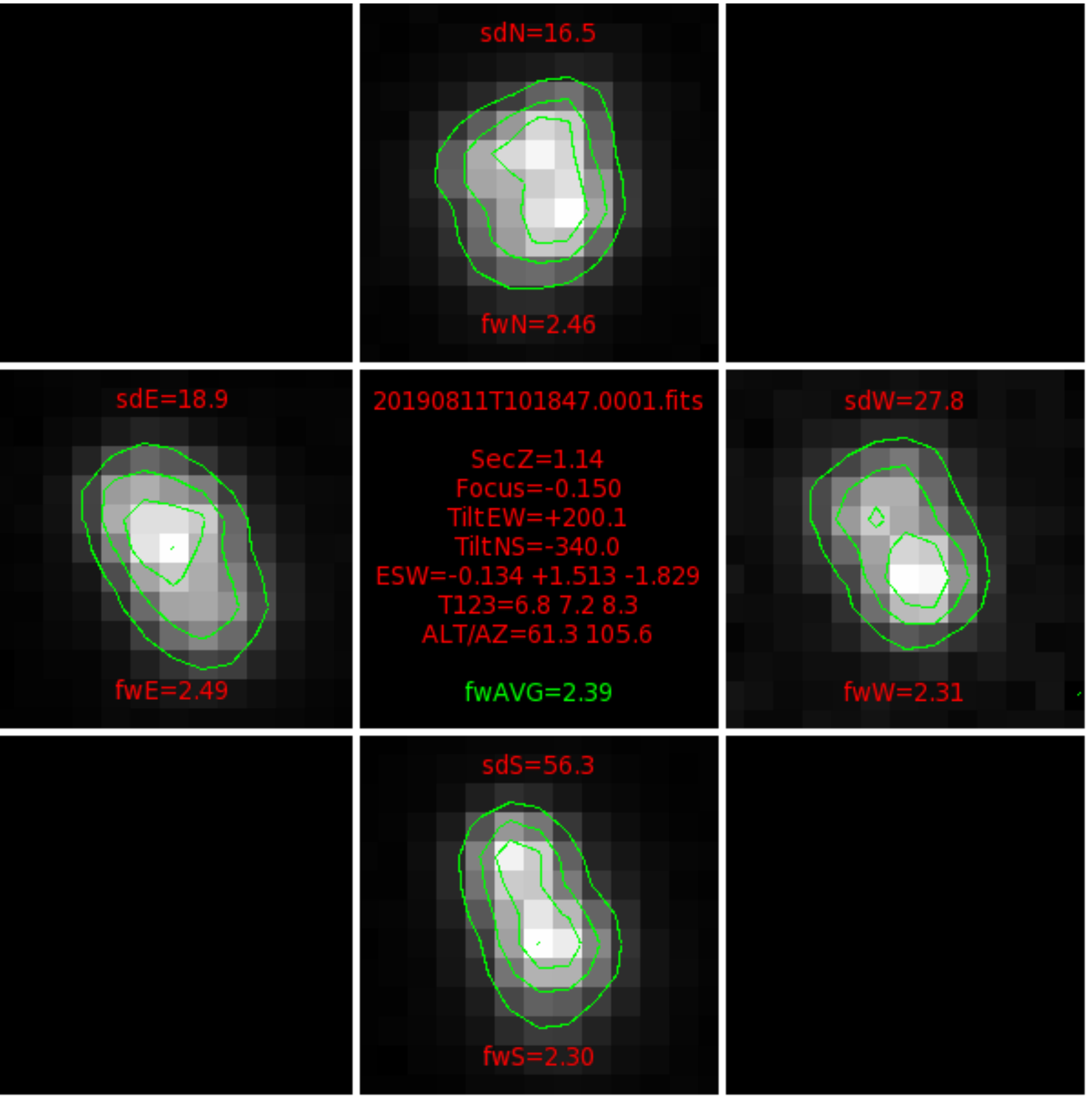

sdN=121.3
fwN=1.75
sdE=104.4
fwE=1.67
20190811T101041.0001.fits
SecZ=1.13
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=6.8 7.2 8.3
ALT/AZ=62.0 -103.7
fwAVG=1.69
sdW=55.4
fwW=1.74
sdS=19.1
fwS=1.58
0 0 0 0 0 0 0 0 0

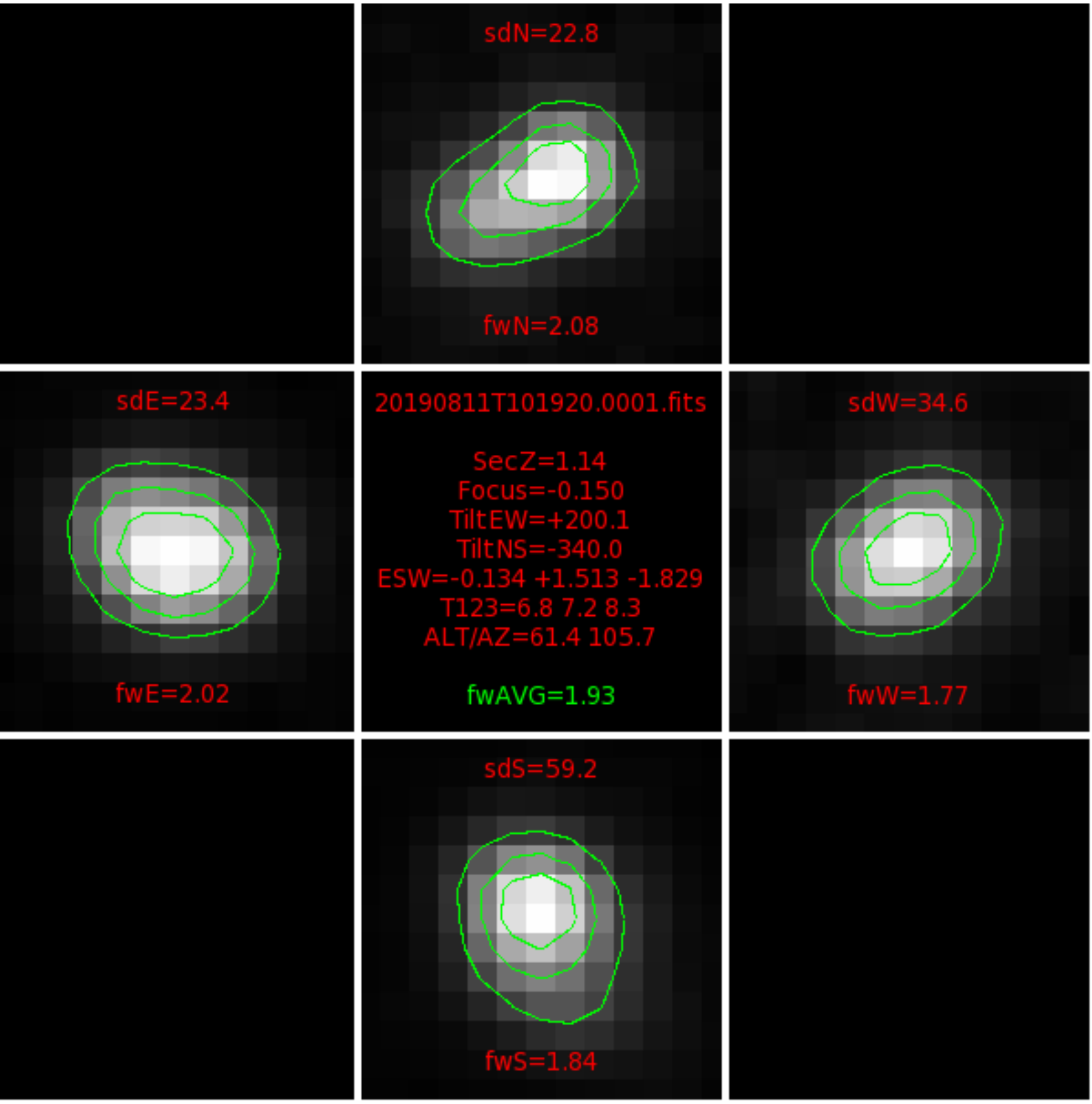

sdN=37.7
fwN=1.66
sdE=30.2
fwE=1.52
20190811T101238.0001.fits
SecZ=1.02
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=6.8 7.2 8.3
ALT/AZ=78.8 167.0
fwAVG=1.54
sdW=25.6
fwW=1.62
sdS=12.9
fwS=1.37
0 0 0 0 0 0 0 0 0


sdN=9.2
fwN=2.18
sdE=9.7
fwE=2.00
20190811T101416.0001.fits
SecZ=1.15
Focus=-0.139
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.123 +1.524 -1.818
T123=6.9 7.3 8.3
ALT/AZ=60.3 104.6
fwAVG=1.97
sdW=11.3
fwW=1.78
sdS=22.1
fwS=1.93
0 0 0 0 0 0 0 0 0


sdN=10.0
fwN=1.98
sdE=9.4
fwE=1.98
20190811T101639.0001.fits
SecZ=1.15
Focus=-0.150
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.134 +1.513 -1.829
T123=6.8 7.3 8.3
ALT/AZ=60.8 105.1
fwAVG=1.87
sdW=18.0
fwW=1.66
sdS=17.5
fwS=1.87
0 0 0 0 0 0 0 0 0


sdN=20.7
fwN=2.03
sdE=18.9
fwE=2.03
20190811T101713.0001.fits
SecZ=1.14
Focus=-0.150
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.134 +1.513 -1.829
T123=6.8 7.3 8.3
ALT/AZ=60.9 105.2
fwAVG=1.93
sdW=40.8
fwW=1.71
sdS=47.8
fwS=1.97
0 0 0 0 0 0 0 0 0


sdN=16.5
fwN=2.46
sdE=18.9
fwE=2.49
20190811T101847.0001.fits
SecZ=1.14
Focus=-0.150
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.134 +1.513 -1.829
T123=6.8 7.2 8.3
ALT/AZ=61.3 105.6
fwAVG=2.39
sdW=27.8
fwW=2.31
sdS=56.3
fwS=2.30
0 0 0 0 0 0 0 0 0


sdN=22.8
fwN=2.08
sdE=23.4
fwE=2.02
20190811T101920.0001.fits
SecZ=1.14
Focus=-0.150
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.134 +1.513 -1.829
T123=6.8 7.2 8.3
ALT/AZ=61.4 105.7
fwAVG=1.93
sdW=34.6
fwW=1.77
sdS=59.2
fwS=1.84
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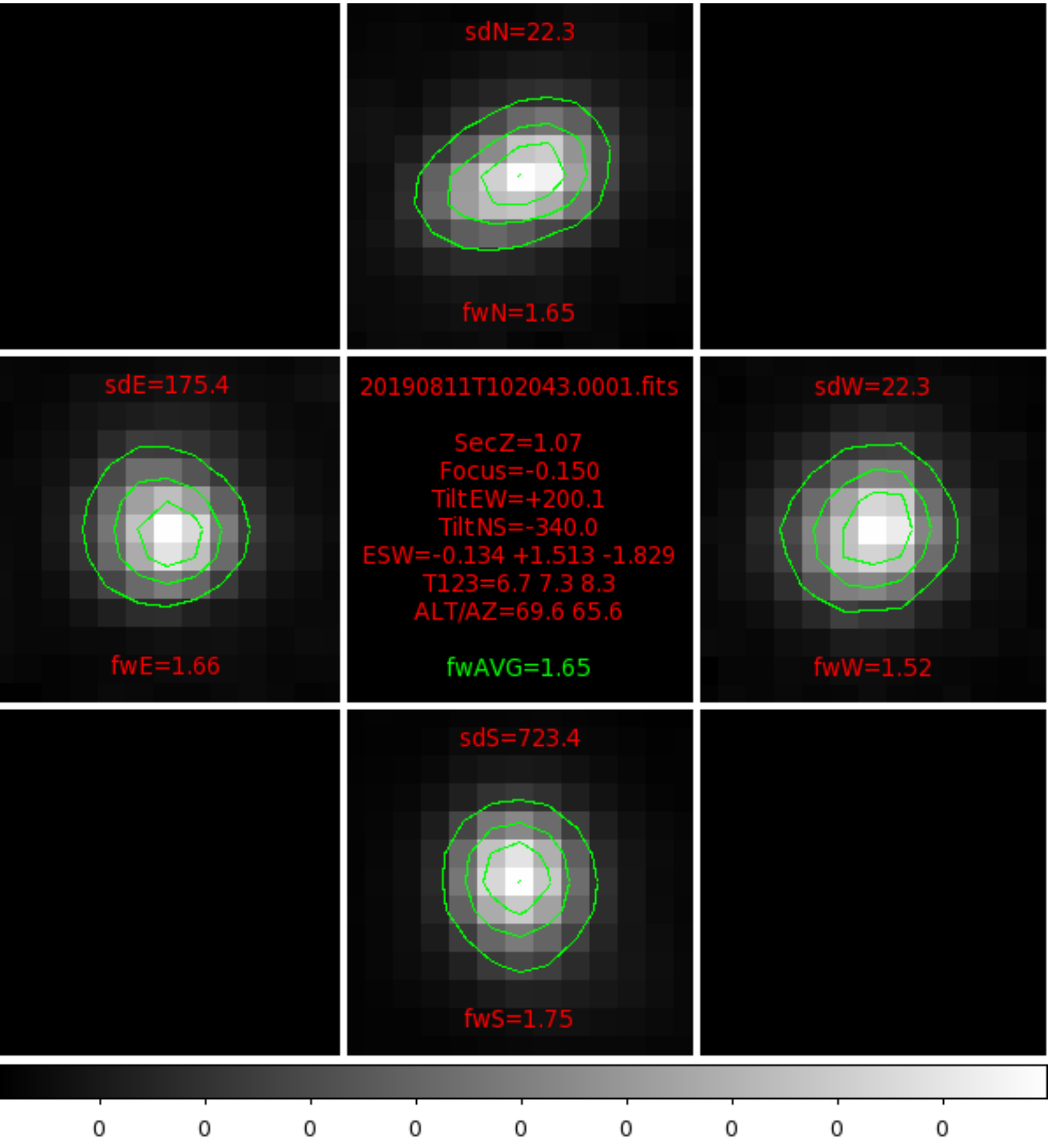
sdN=22.3
fwN=1.65
sdE=175.4
fwE=1.66
20190811T102043.0001.fits
SecZ=1.07
Focus=-0.150
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.134 +1.513 -1.829
T123=6.7 7.3 8.3
ALT/AZ=69.6 65.6
fwAVG=1.65
sdW=22.3
fwW=1.52
sdS=723.4
fwS=1.75
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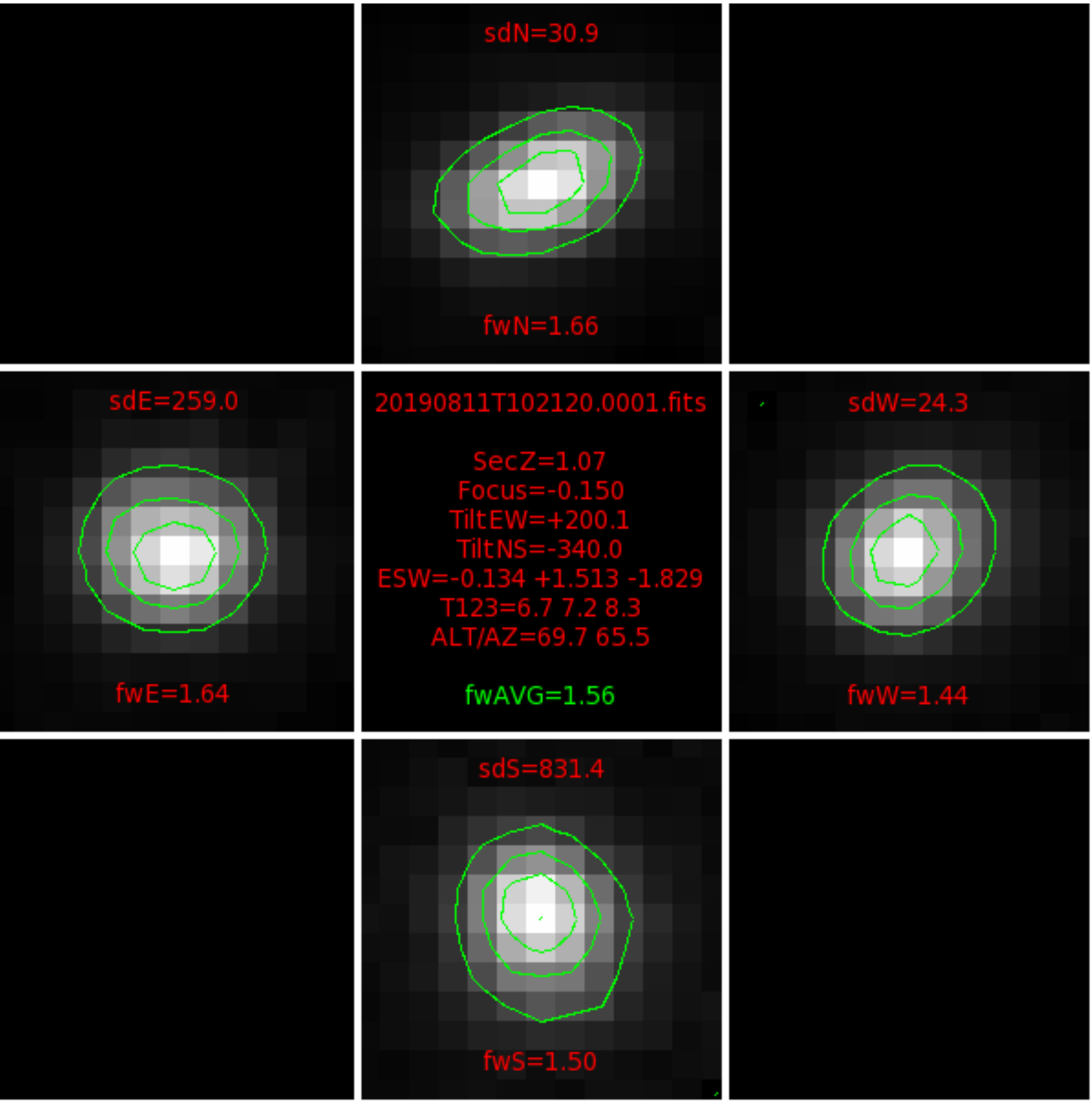
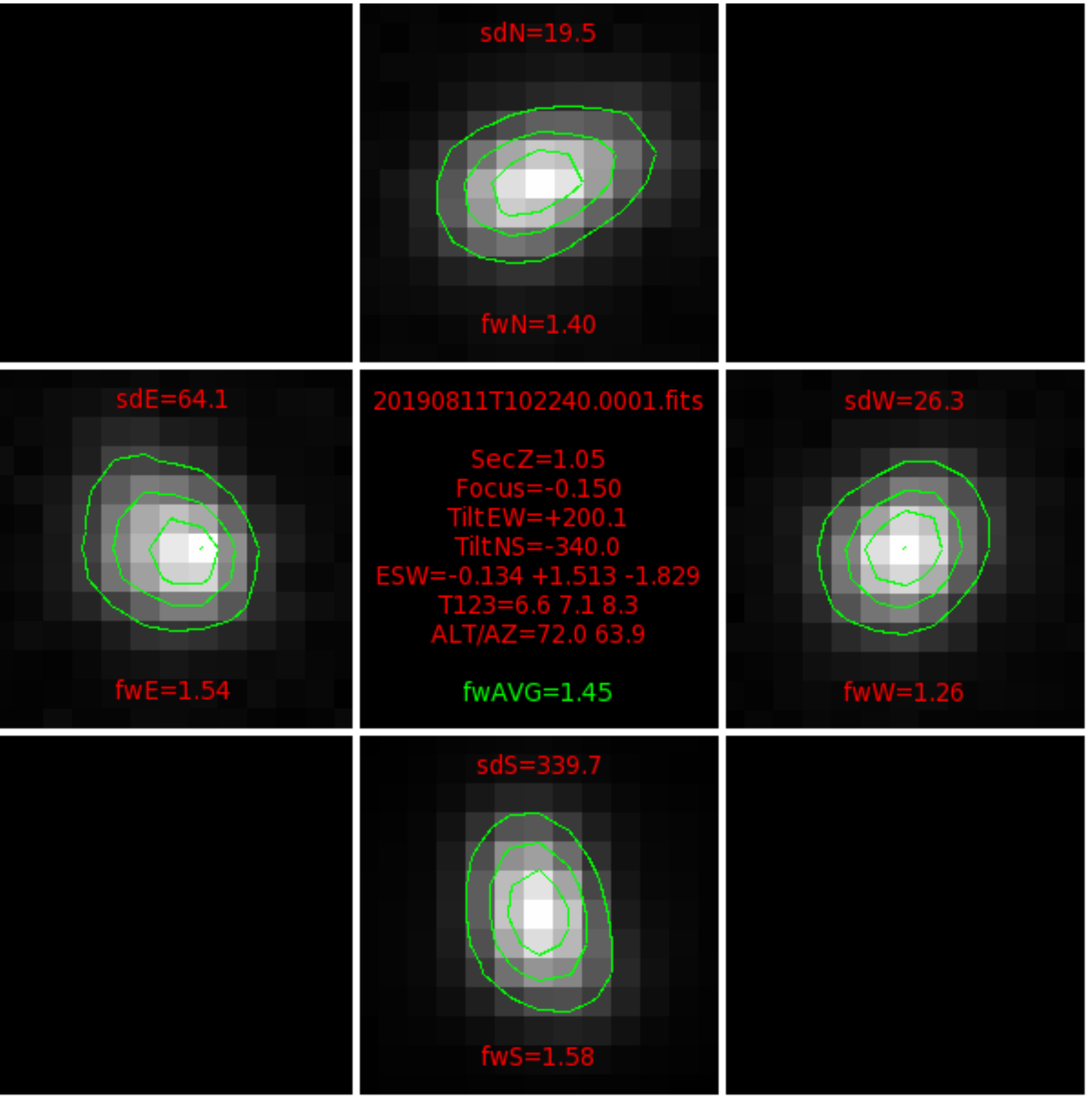
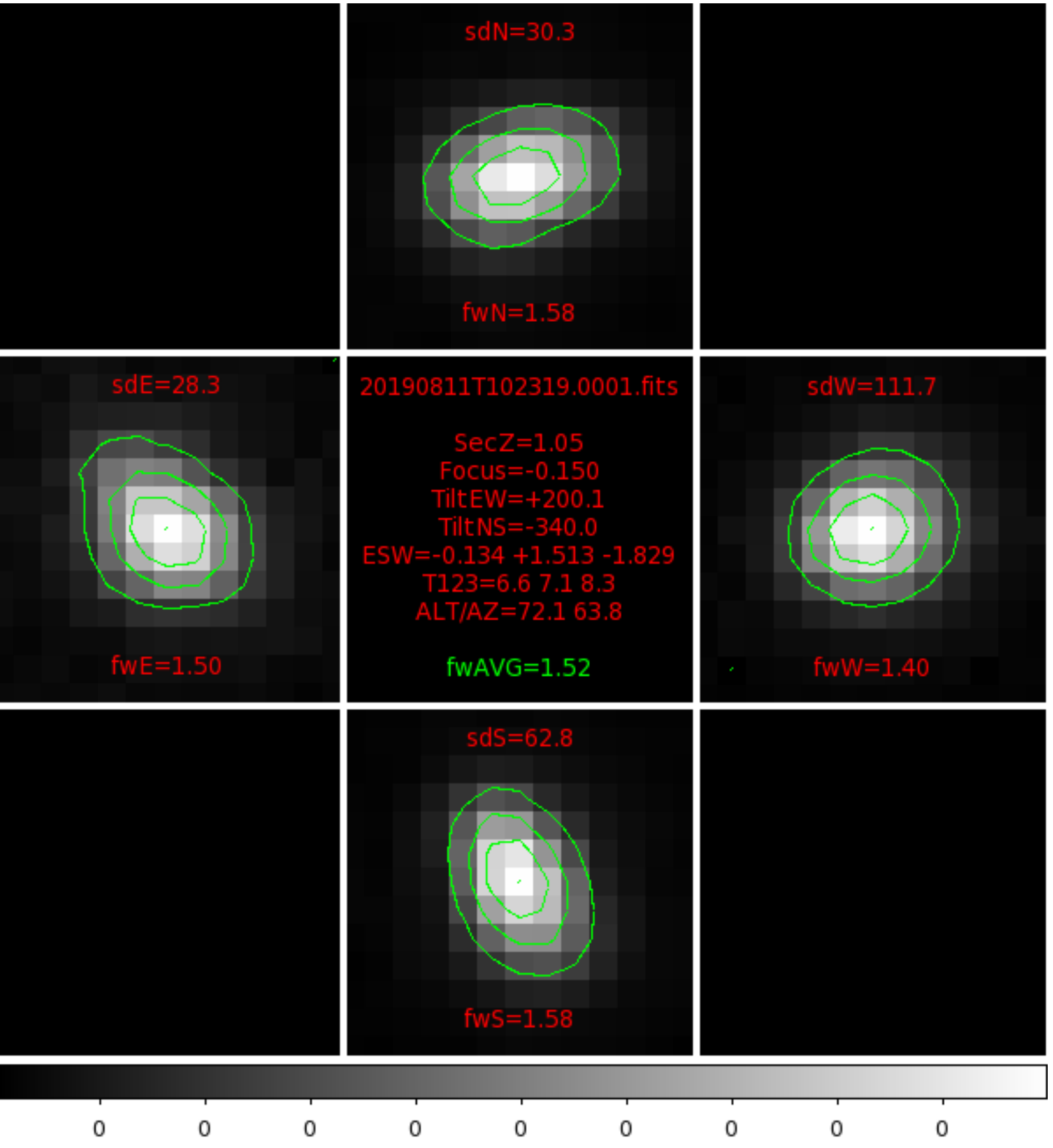
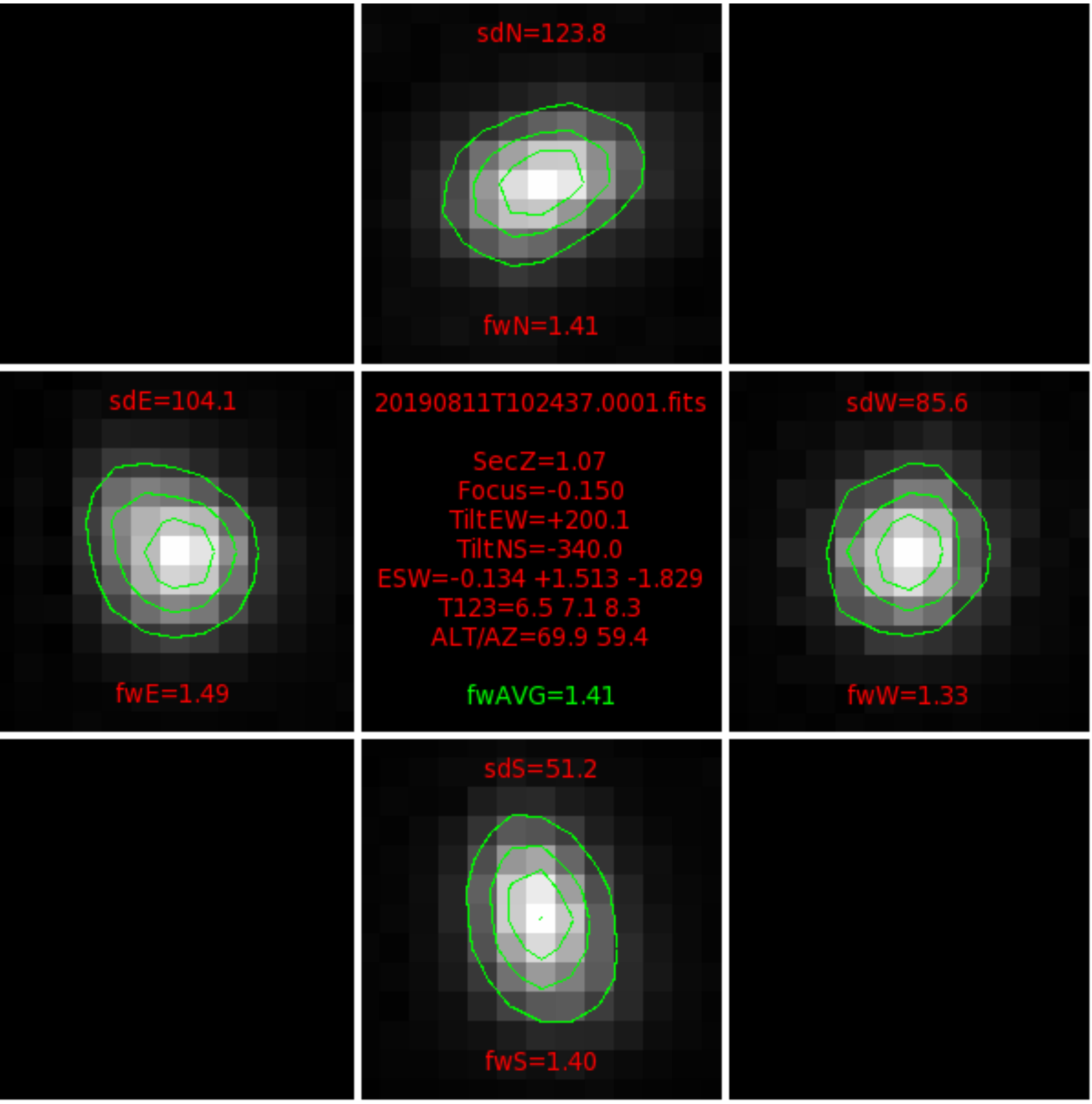
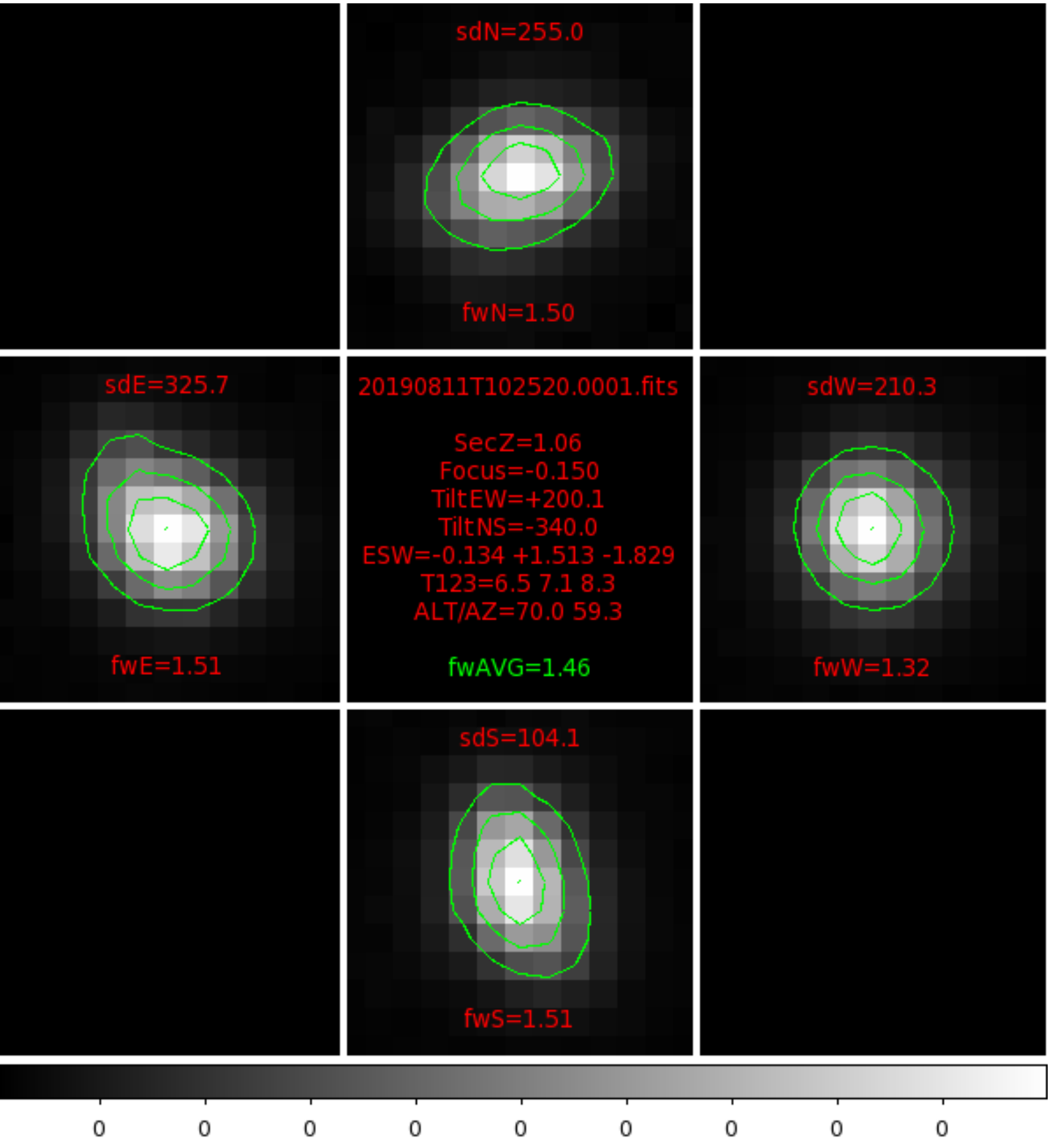
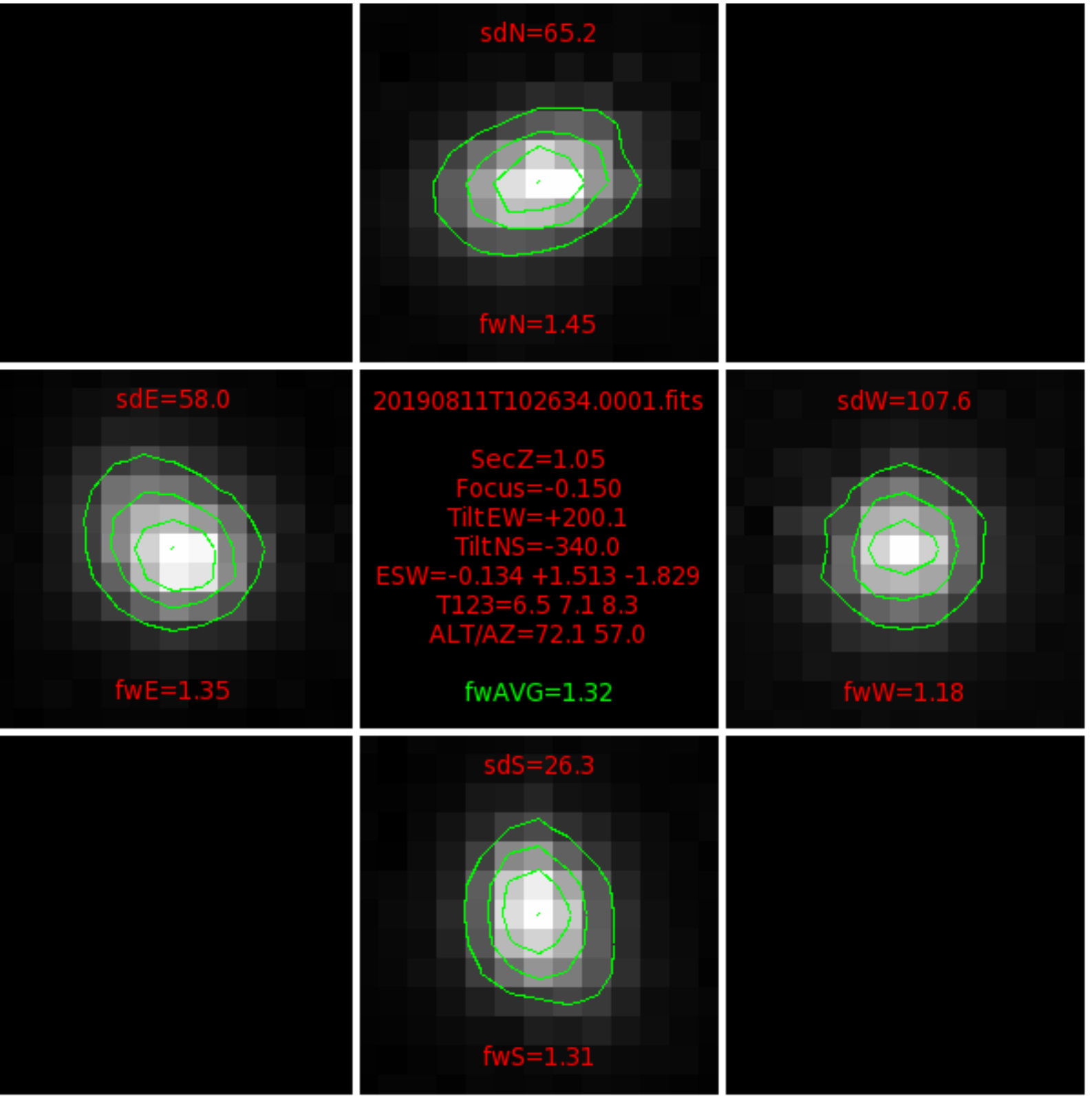

sdN=30.9
fwN=1.66
sdE=259.0
fwE=1.64
20190811T102120.0001.fits
SecZ=1.07
Focus=-0.150
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.134 +1.513 -1.829
T123=6.7 7.2 8.3
ALT/AZ=69.7 65.5
fwAVG=1.56
sdW=24.3
fwW=1.44
sdS=831.4
fwS=1.50
0 0 0 0 0 0 0 0 0

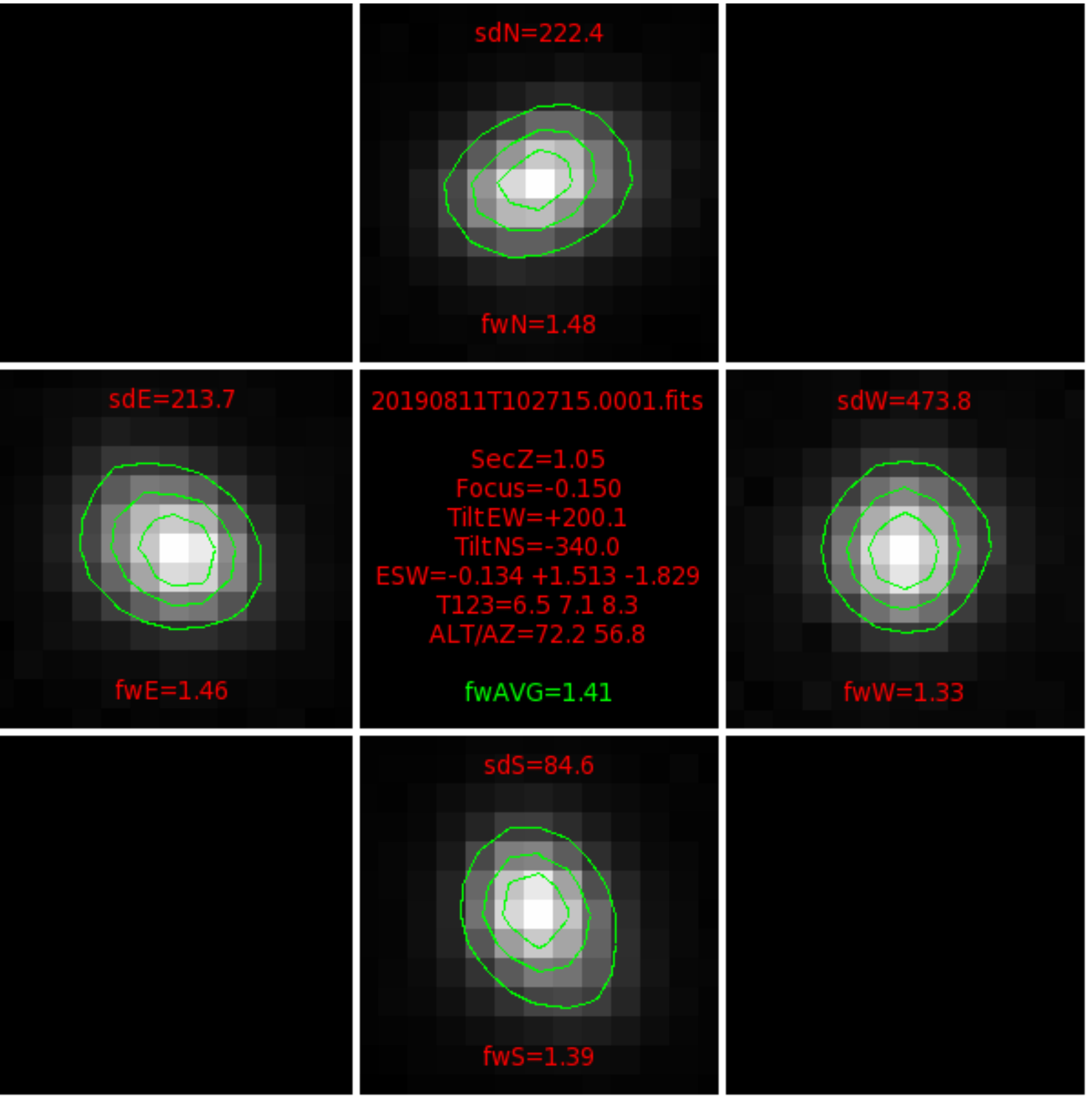

sdN=19.5
fwN=1.40
sdE=64.1
fwE=1.54
20190811T102240.0001.fits
SecZ=1.05
Focus=-0.150
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.134 +1.513 -1.829
T123=6.6 7.1 8.3
ALT/AZ=72.0 63.9
fwAVG=1.45
sdW=26.3
fwW=1.26
sdS=339.7
fwS=1.58
0 0 0 0 0 0 0 0 0


sdN=30.3
fwN=1.58
sdE=28.3
fwE=1.50
20190811T102319.0001.fits
SecZ=1.05
Focus=-0.150
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.134 +1.513 -1.829
T123=6.6 7.1 8.3
ALT/AZ=72.1 63.8
fwAVG=1.52
sdW=111.7
fwW=1.40
sdS=62.8
fwS=1.58
0 0 0 0 0 0 0 0 0


sdN=123.8
fwN=1.41
sdE=104.1
fwE=1.49
20190811T102437.0001.fits
SecZ=1.07
Focus=-0.150
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.134 +1.513 -1.829
T123=6.5 7.1 8.3
ALT/AZ=69.9 59.4
fwAVG=1.41
sdW=85.6
fwW=1.33
sdS=51.2
fwS=1.40
0 0 0 0 0 0 0 0 0


sdN=255.0
fwN=1.50
sdE=325.7
fwE=1.51
20190811T102520.0001.fits
SecZ=1.06
Focus=-0.150
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.134 +1.513 -1.829
T123=6.5 7.1 8.3
ALT/AZ=70.0 59.3
fwAVG=1.46
sdW=210.3
fwW=1.32
sdS=104.1
fwS=1.51
0 0 0 0 0 0 0 0 0


sdN=65.2
fwN=1.45
sdE=58.0
fwE=1.35
20190811T102634.0001.fits
SecZ=1.05
Focus=-0.150
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.134 +1.513 -1.829
T123=6.5 7.1 8.3
ALT/AZ=72.1 57.0
fwAVG=1.32
sdW=107.6
fwW=1.18
sdS=26.3
fwS=1.31
0 0 0 0 0 0 0 0 0


sdN=222.4
fwN=1.48
sdE=213.7
fwE=1.46
20190811T102715.0001.fits
SecZ=1.05
Focus=-0.150
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.134 +1.513 -1.829
T123=6.5 7.1 8.3
ALT/AZ=72.2 56.8
fwAVG=1.41
sdW=473.8
fwW=1.33
sdS=84.6
fwS=1.39
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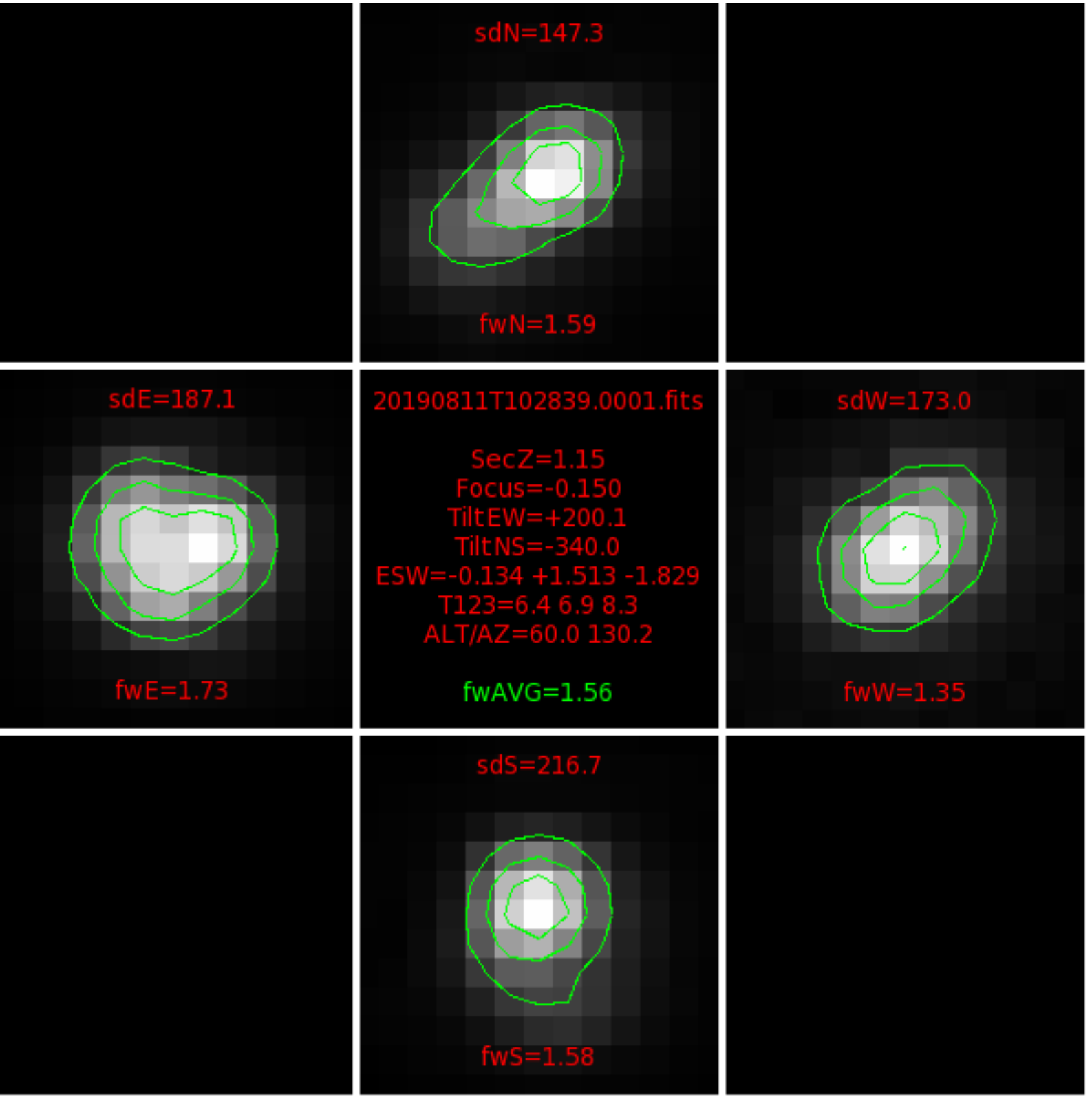
sdN=147.3
fwN=1.59
sdE=187.1
fwE=1.73
20190811T102839.0001.fits
SecZ=1.15
Focus=-0.150
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.134 +1.513 -1.829
T123=6.4 6.9 8.3
ALT/AZ=60.0 130.2
fwAVG=1.56
sdW=173.0
fwW=1.35
sdS=216.7
fwS=1.58
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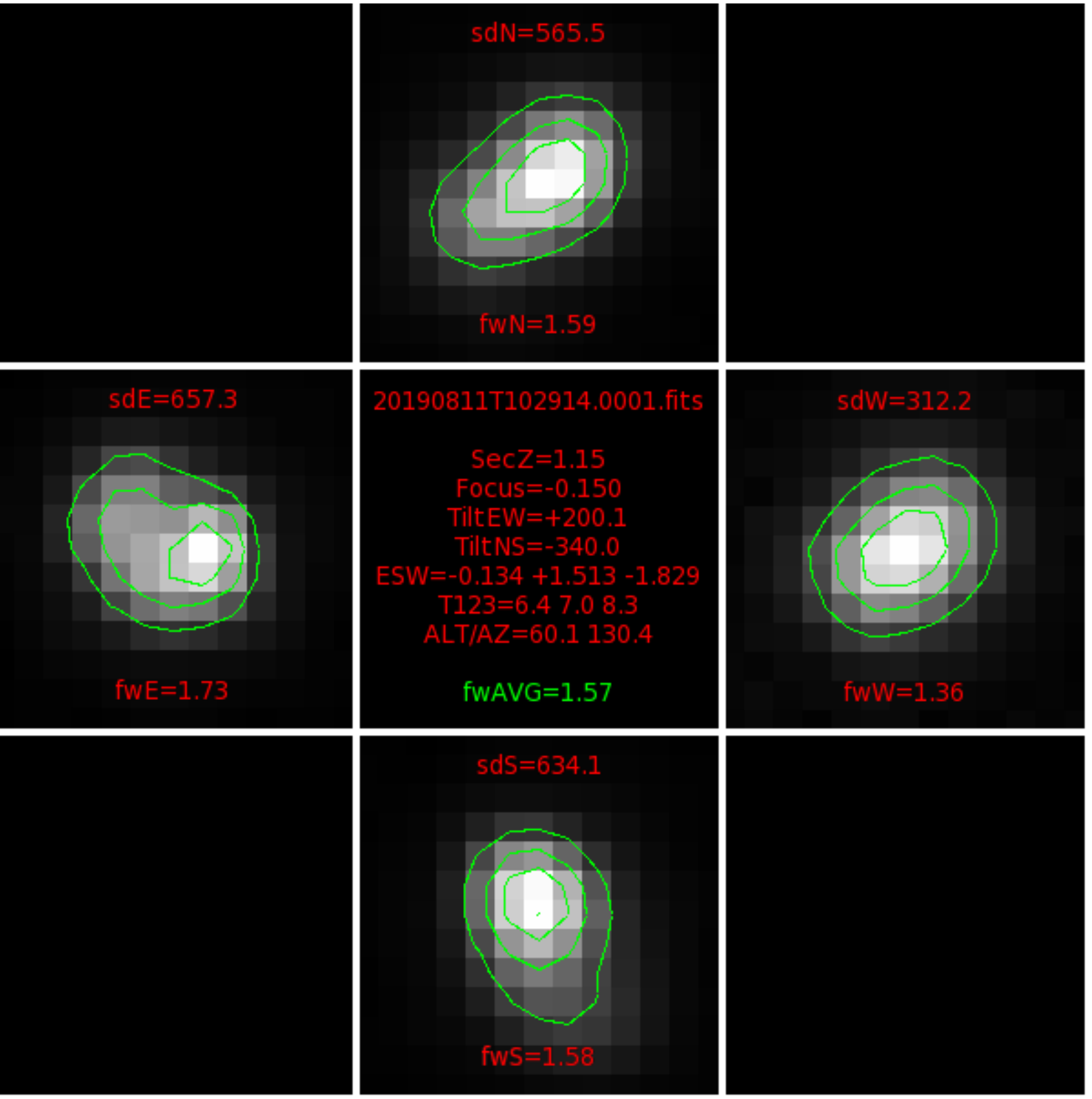
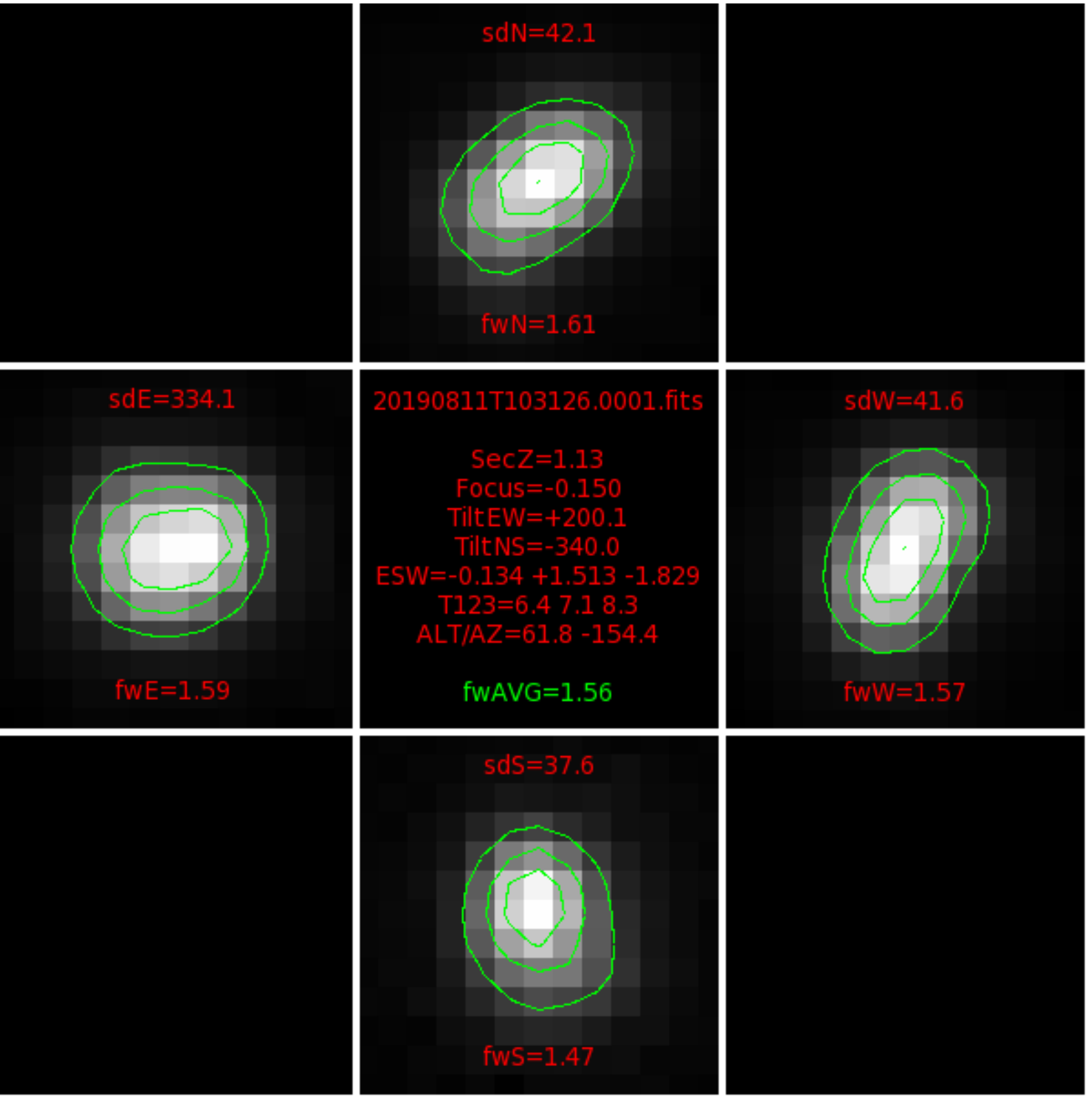

sdN=565.5
fwN=1.59
sdE=657.3
fwE=1.73
20190811T102914.0001.fits
SecZ=1.15
Focus=-0.150
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.134 +1.513 -1.829
T123=6.4 7.0 8.3
ALT/AZ=60.1 130.4
fwAVG=1.57
sdW=312.2
fwW=1.36
sdS=634.1
fwS=1.58
0 0 0 0 0 0 0 0 0


sdN=42.1
fwN=1.61
sdE=334.1
fwE=1.59
20190811T103126.0001.fits
SecZ=1.13
Focus=-0.150
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.134 +1.513 -1.829
T123=6.4 7.1 8.3
ALT/AZ=61.8 -154.4
fwAVG=1.56
sdW=41.6
fwW=1.57
sdS=37.6
fwS=1.47
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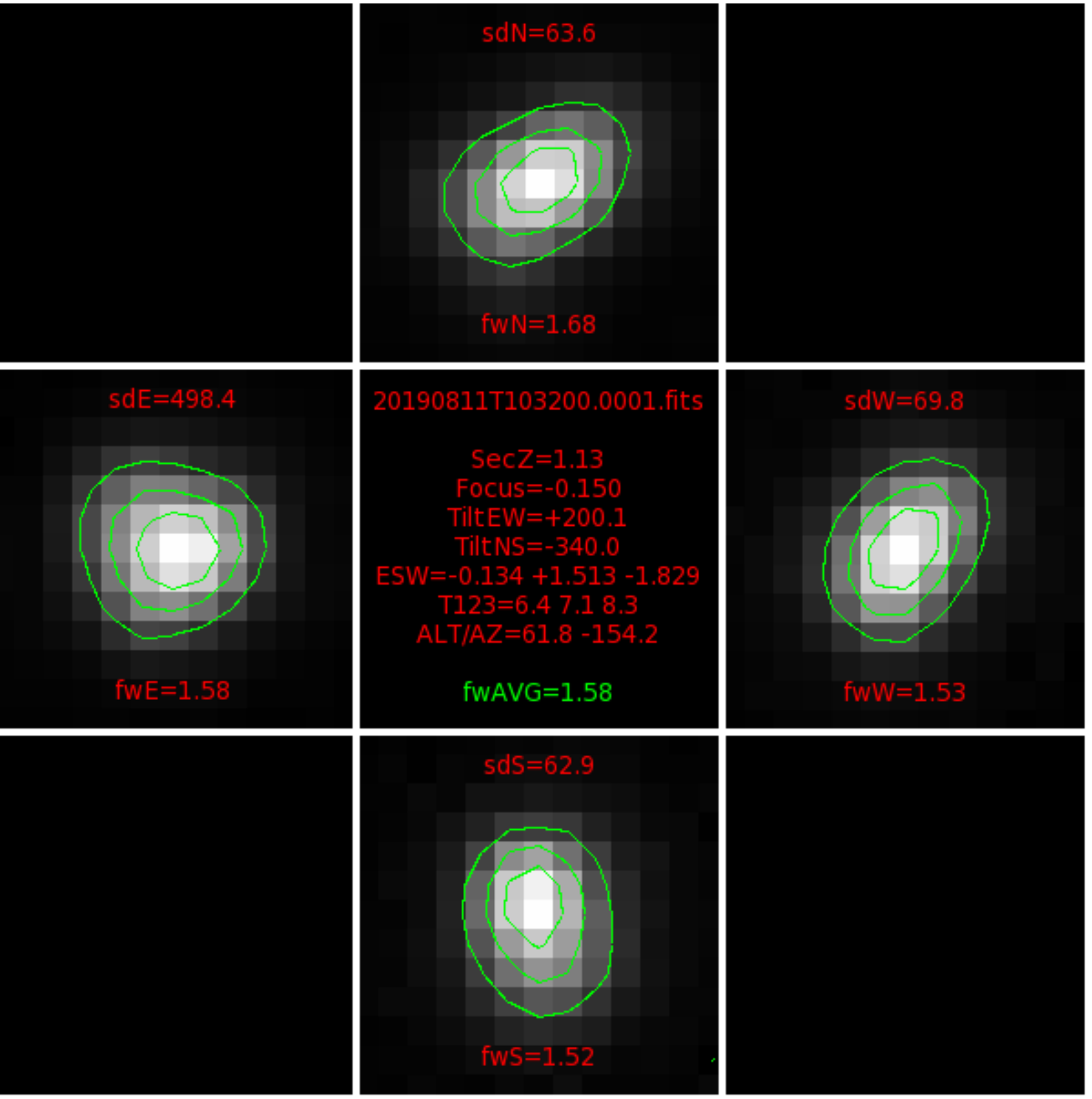
sdN=63.6
fwN=1.68
sdE=498.4
fwE=1.58
20190811T103200.0001.fits
SecZ=1.13
Focus=-0.150
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.134 +1.513 -1.829
T123=6.4 7.1 8.3
ALT/AZ=61.8 -154.2
fwAVG=1.58
sdW=69.8
fwW=1.53
sdS=62.9
fwS=1.52
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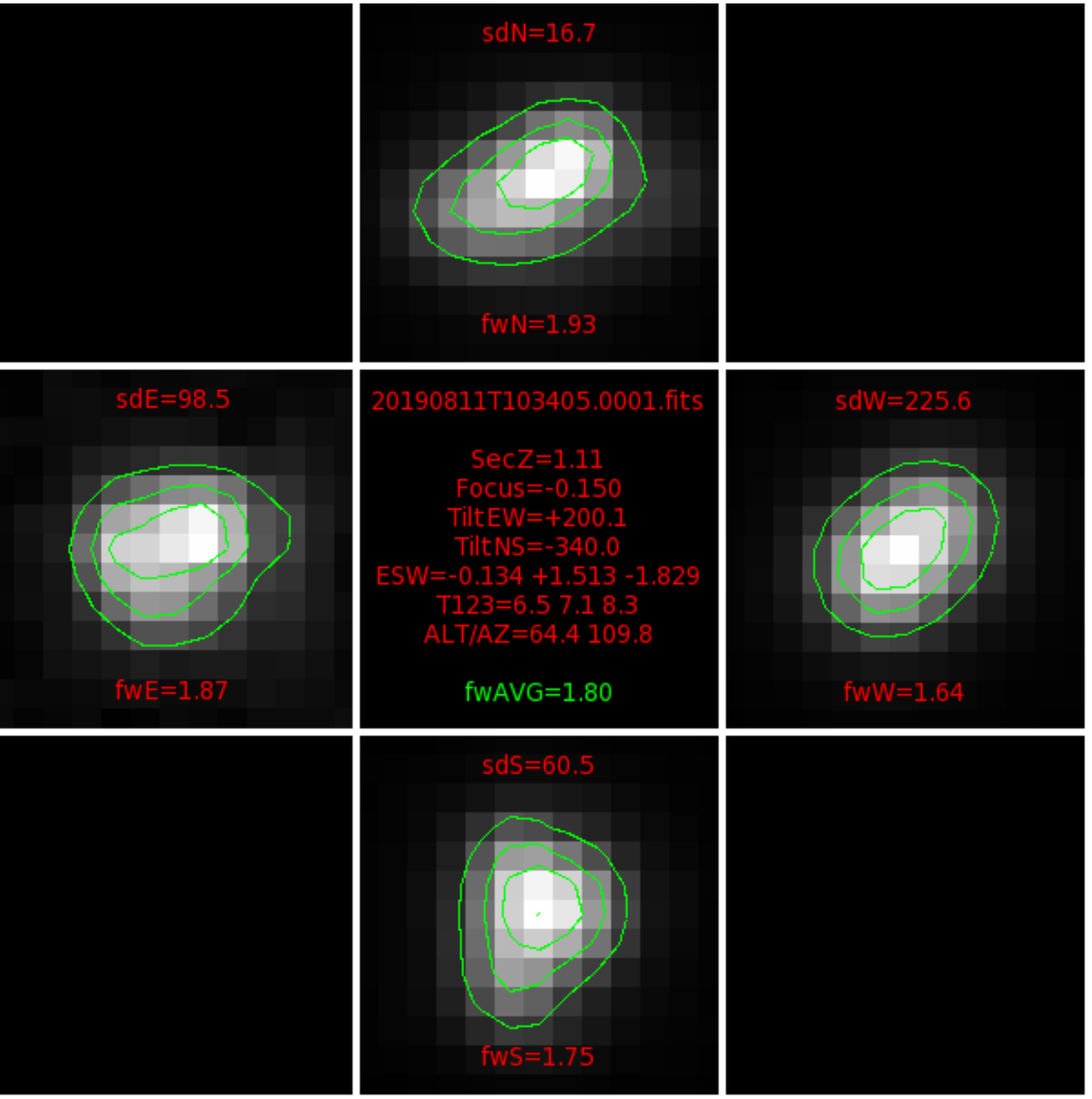
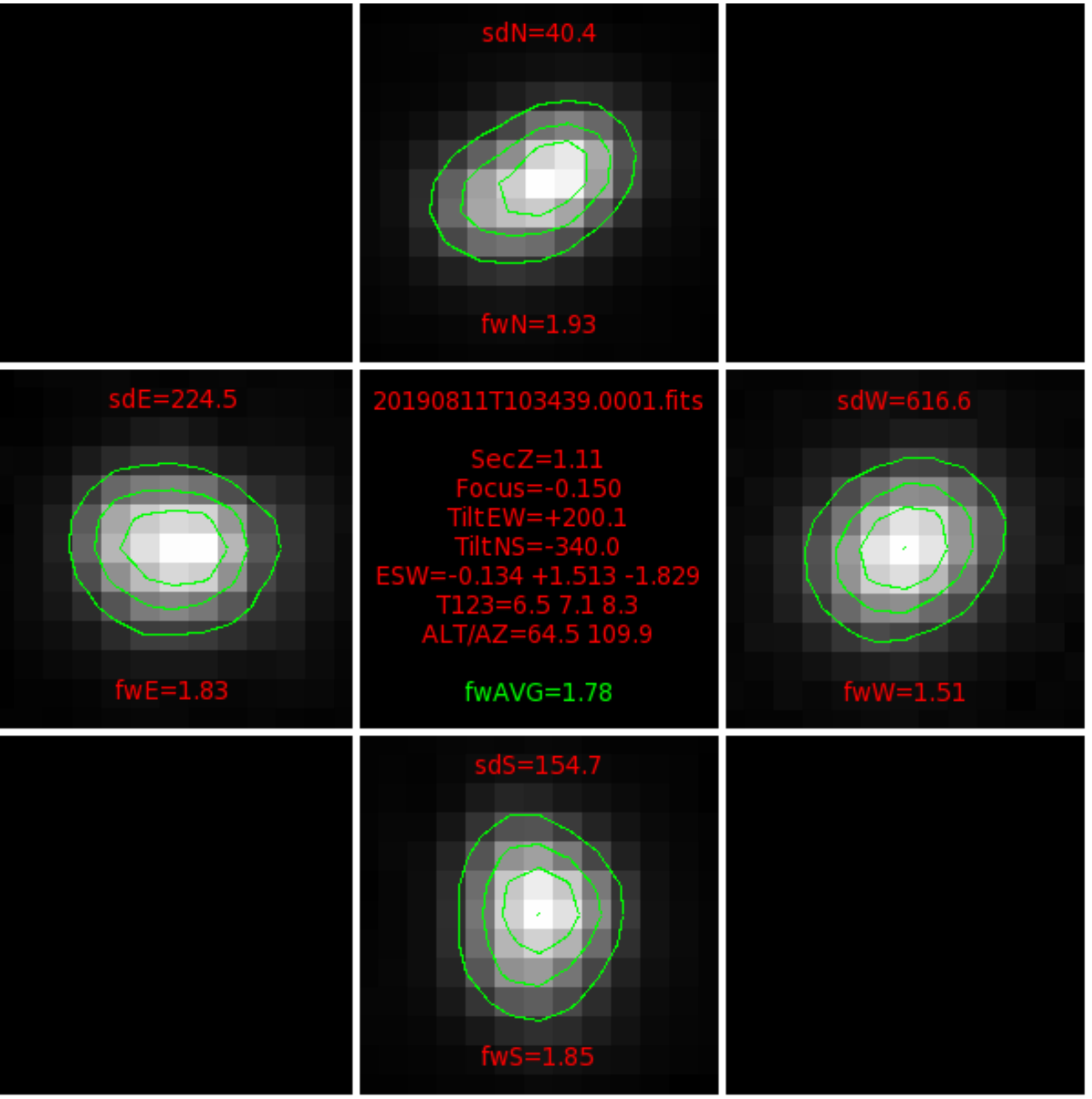

sdN=16.7
fwN=1.93
sdE=98.5
fwE=1.87
20190811T103405.0001.fits
SecZ=1.11
Focus=-0.150
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.134 +1.513 -1.829
T123=6.5 7.1 8.3
ALT/AZ=64.4 109.8
fwAVG=1.80
sdW=225.6
fwW=1.64
sdS=60.5
fwS=1.75
0 0 0 0 0 0 0 0 0


sdN=40.4
fwN=1.93
sdE=224.5
fwE=1.83
20190811T103439.0001.fits
SecZ=1.11
Focus=-0.150
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.134 +1.513 -1.829
T123=6.5 7.1 8.3
ALT/AZ=64.5 109.9
fwAVG=1.78
sdW=616.6
fwW=1.51
sdS=154.7
fwS=1.85
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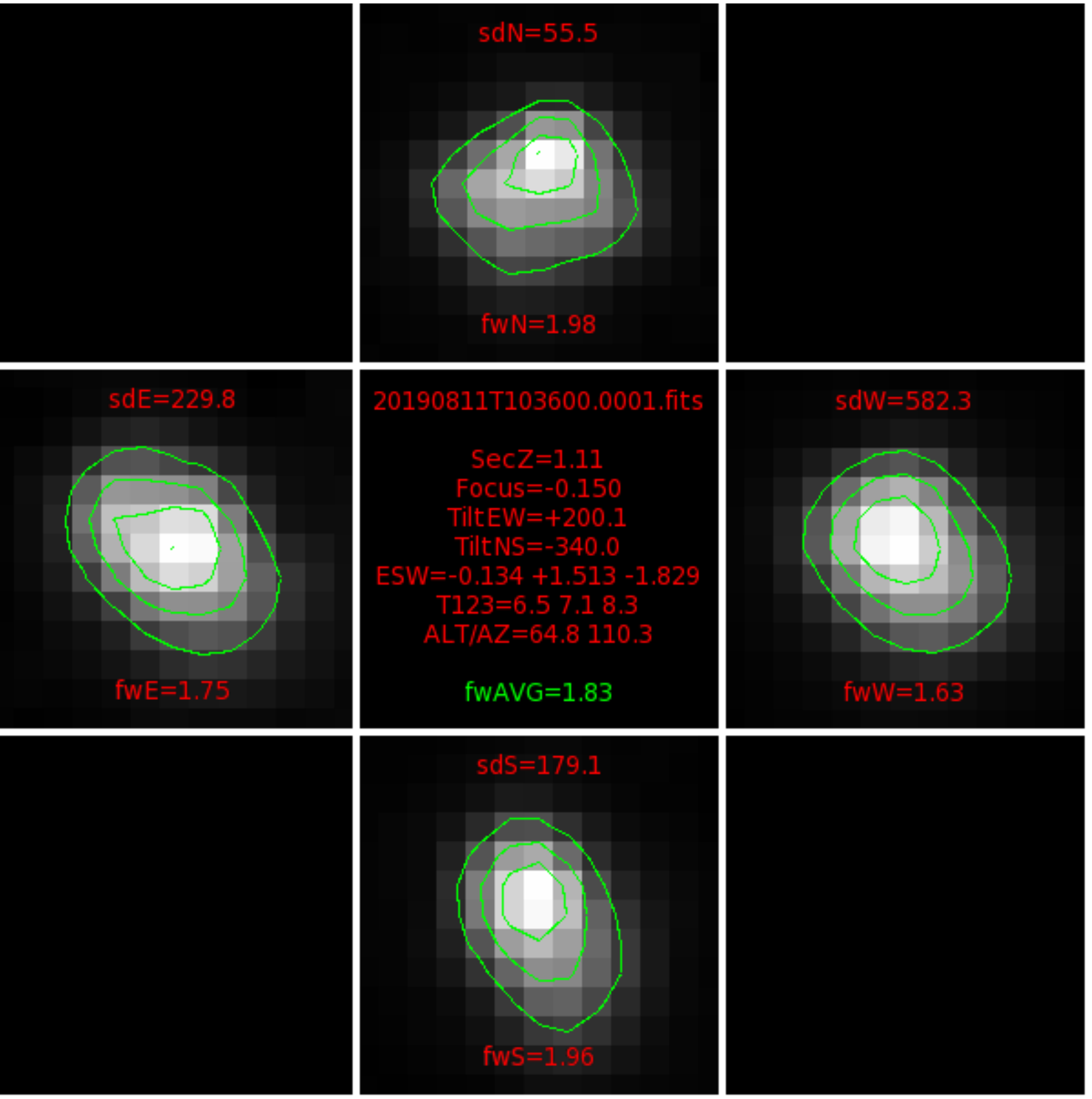
sdN=55.5
fwN=1.98
sdE=229.8
fwE=1.75
20190811T103600.0001.fits
SecZ=1.11
Focus=-0.150
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.134 +1.513 -1.829
T123=6.5 7.1 8.3
ALT/AZ=64.8 110.3
fwAVG=1.83
sdW=582.3
fwW=1.63
sdS=179.1
fwS=1.96
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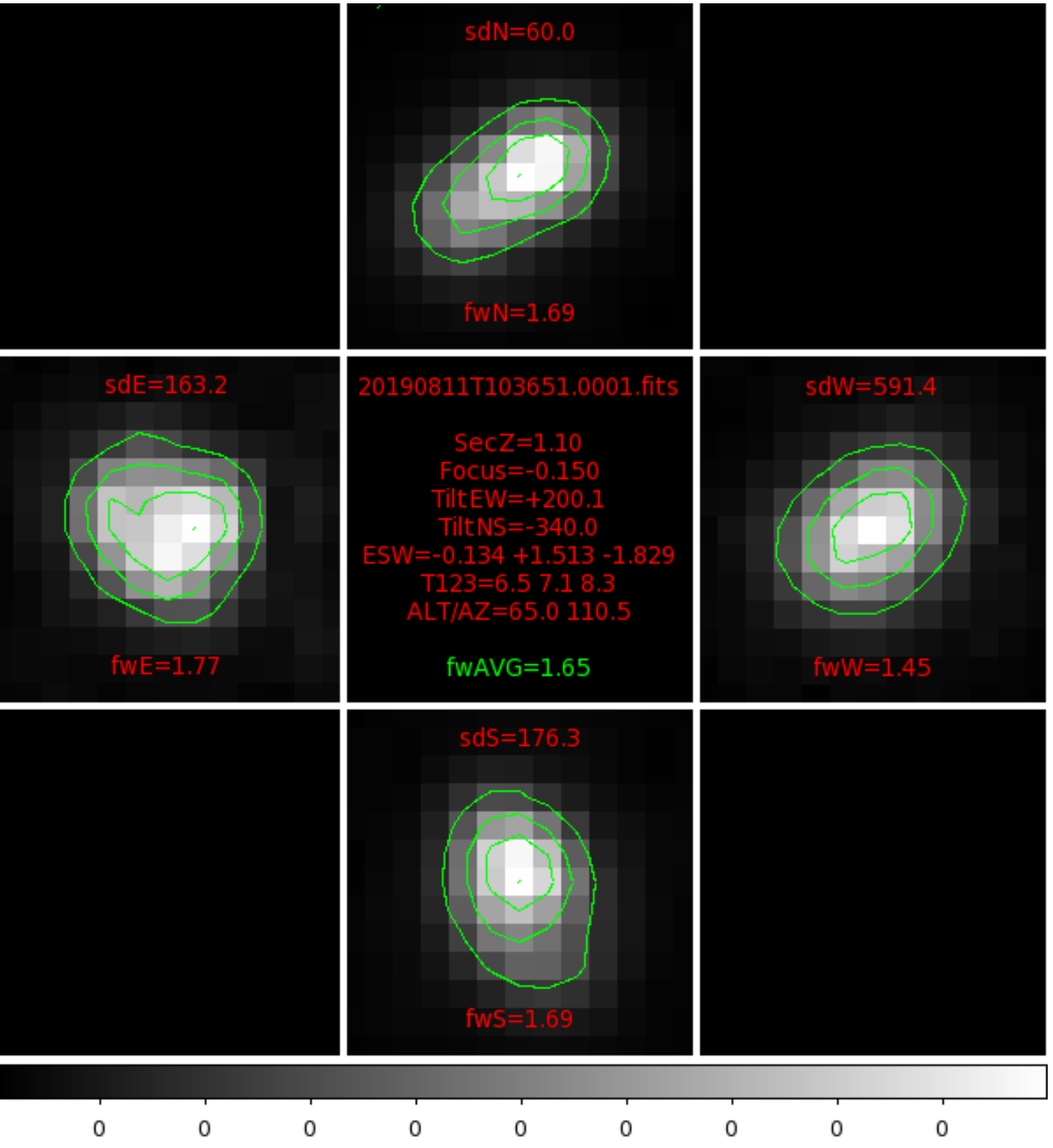
sdN=60.0
fwN=1.69
sdE=163.2
fwE=1.77
20190811T103651.0001.fits
SecZ=1.10
Focus=-0.150
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.134 +1.513 -1.829
T123=6.5 7.1 8.3
ALT/AZ=65.0 110.5
fwAVG=1.65
sdW=591.4
fwW=1.45
sdS=176.3
fwS=1.69
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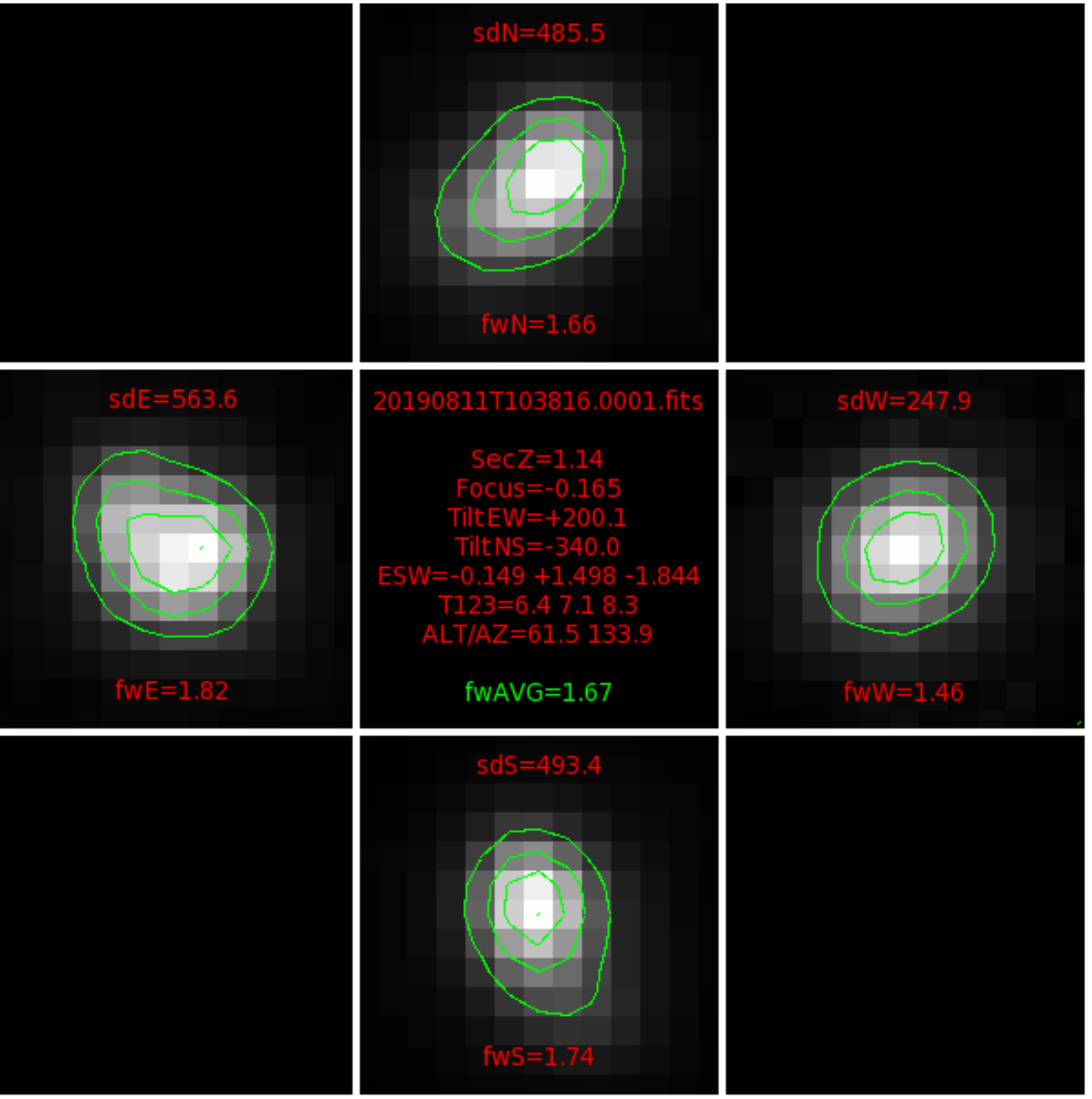
sdN=485.5
fwN=1.66
sdE=563.6
fwE=1.82
20190811T103816.0001.fits
SecZ=1.14
Focus=-0.165
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.149 +1.498 -1.844
T123=6.4 7.1 8.3
ALT/AZ=61.5 133.9
fwAVG=1.67
sdW=247.9
fwW=1.46
sdS=493.4
fwS=1.74
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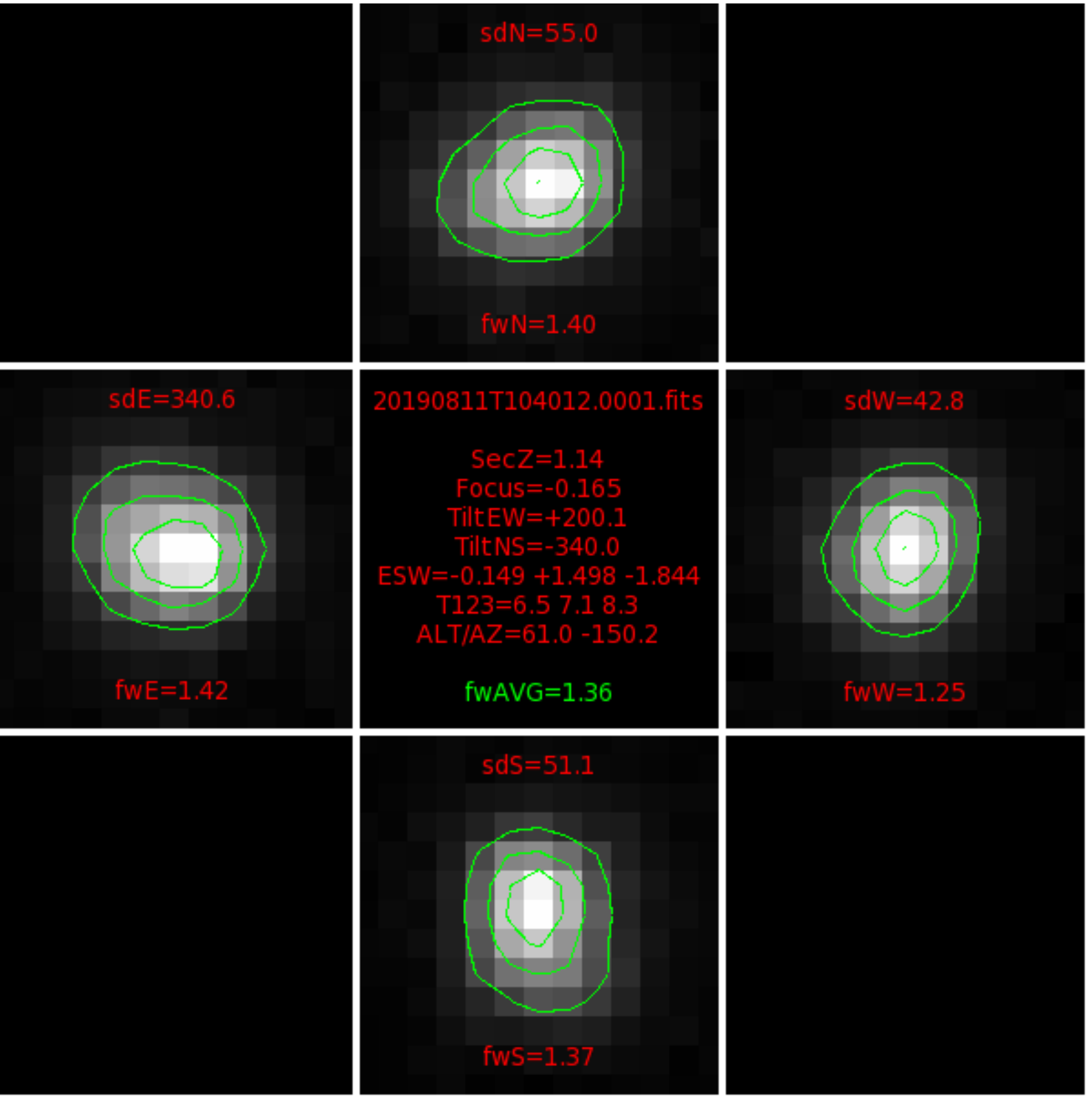
sdN=55.0
fwN=1.40
sdE=340.6
fwE=1.42
20190811T104012.0001.fits
SecZ=1.14
Focus=-0.165
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.149 +1.498 -1.844
T123=6.5 7.1 8.3
ALT/AZ=61.0 -150.2
fwAVG=1.36
sdW=42.8
fwW=1.25
sdS=51.1
fwS=1.37
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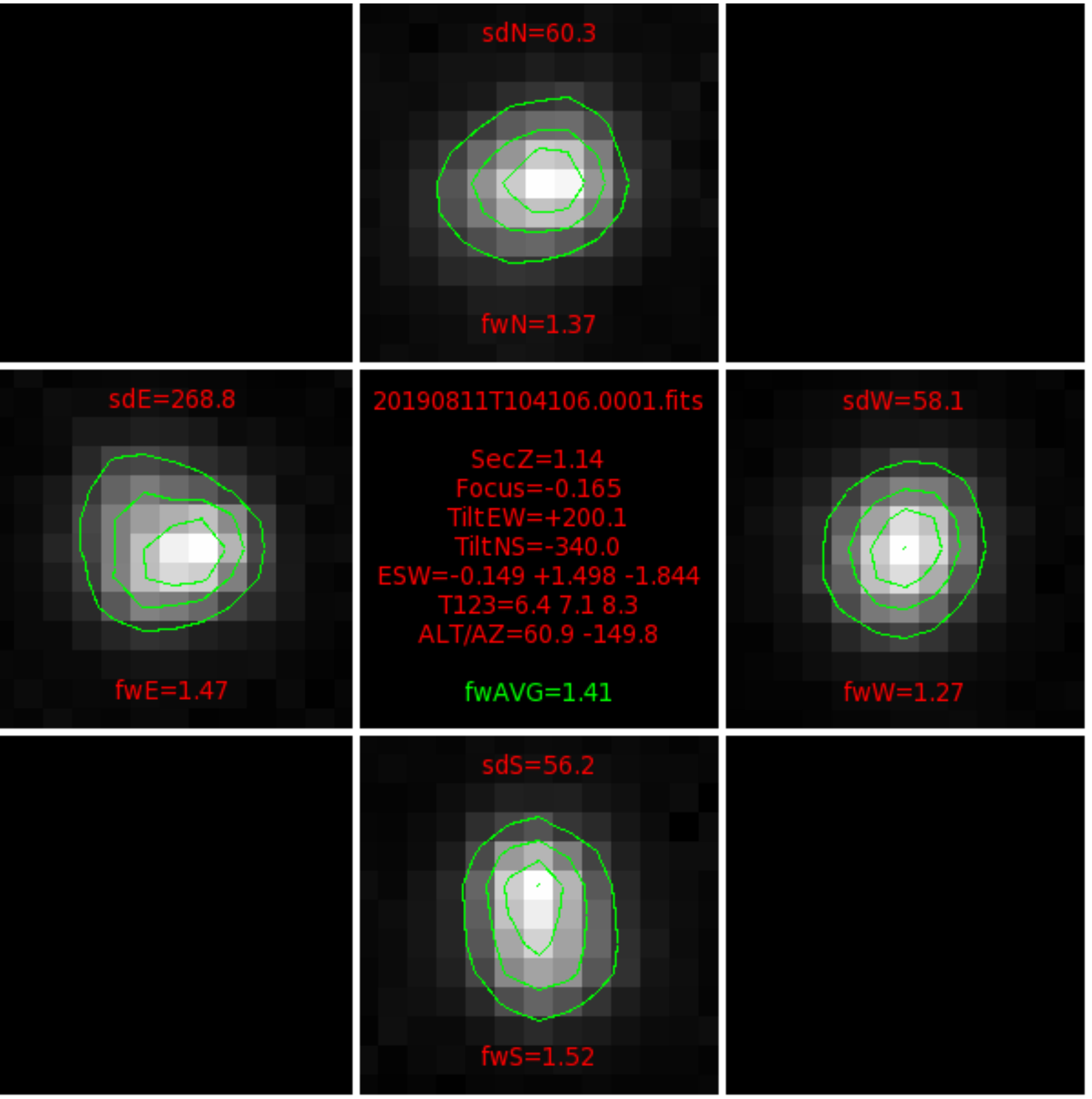
sdN=60.3
fwN=1.37
sdE=268.8
fwE=1.47
20190811T104106.0001.fits
SecZ=1.14
Focus=-0.165
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.149 +1.498 -1.844
T123=6.4 7.1 8.3
ALT/AZ=60.9 -149.8
fwAVG=1.41
sdW=58.1
fwW=1.27
sdS=56.2
fwS=1.52
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