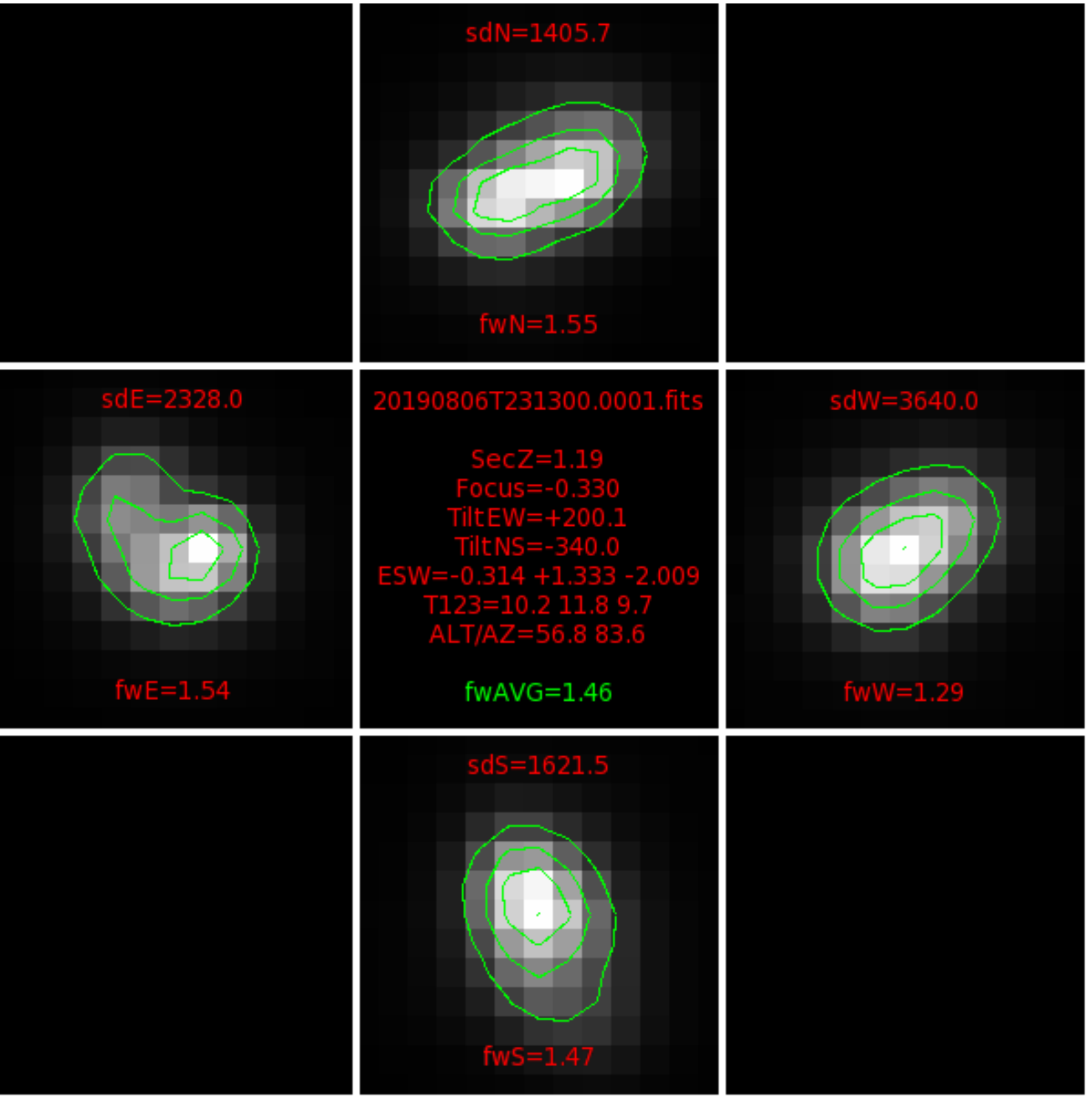
sdN=1405.7
fwN=1.55
sdE=2328.0
fwE=1.54
20190806T231300.0001.fits
SecZ=1.19
Focus=-0.330
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.314 +1.333 -2.009
T123=10.2 11.8 9.7
ALT/AZ=56.8 83.6
fwAVG=1.46
sdW=3640.0
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sdS=1621.5
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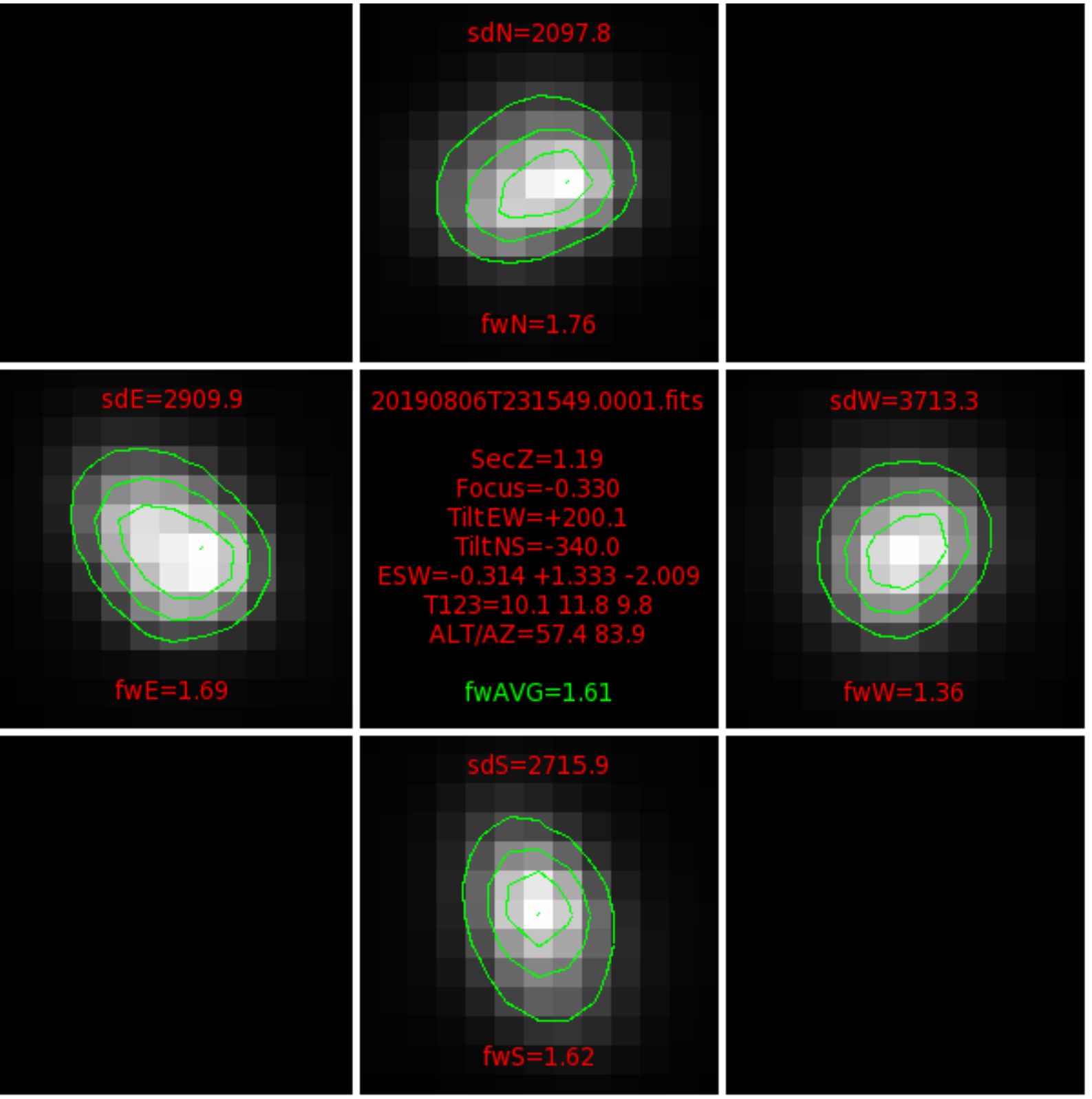
sdN=2097.8
fwN=1.76
sdE=2909.9
fwE=1.69
20190806T231549.0001.fits
SecZ=1.19
Focus=-0.330
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.314 +1.333 -2.009
T123=10.1 11.8 9.8
ALT/AZ=57.4 83.9
fwAVG=1.61
sdW=3713.3
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sdS=2715.9
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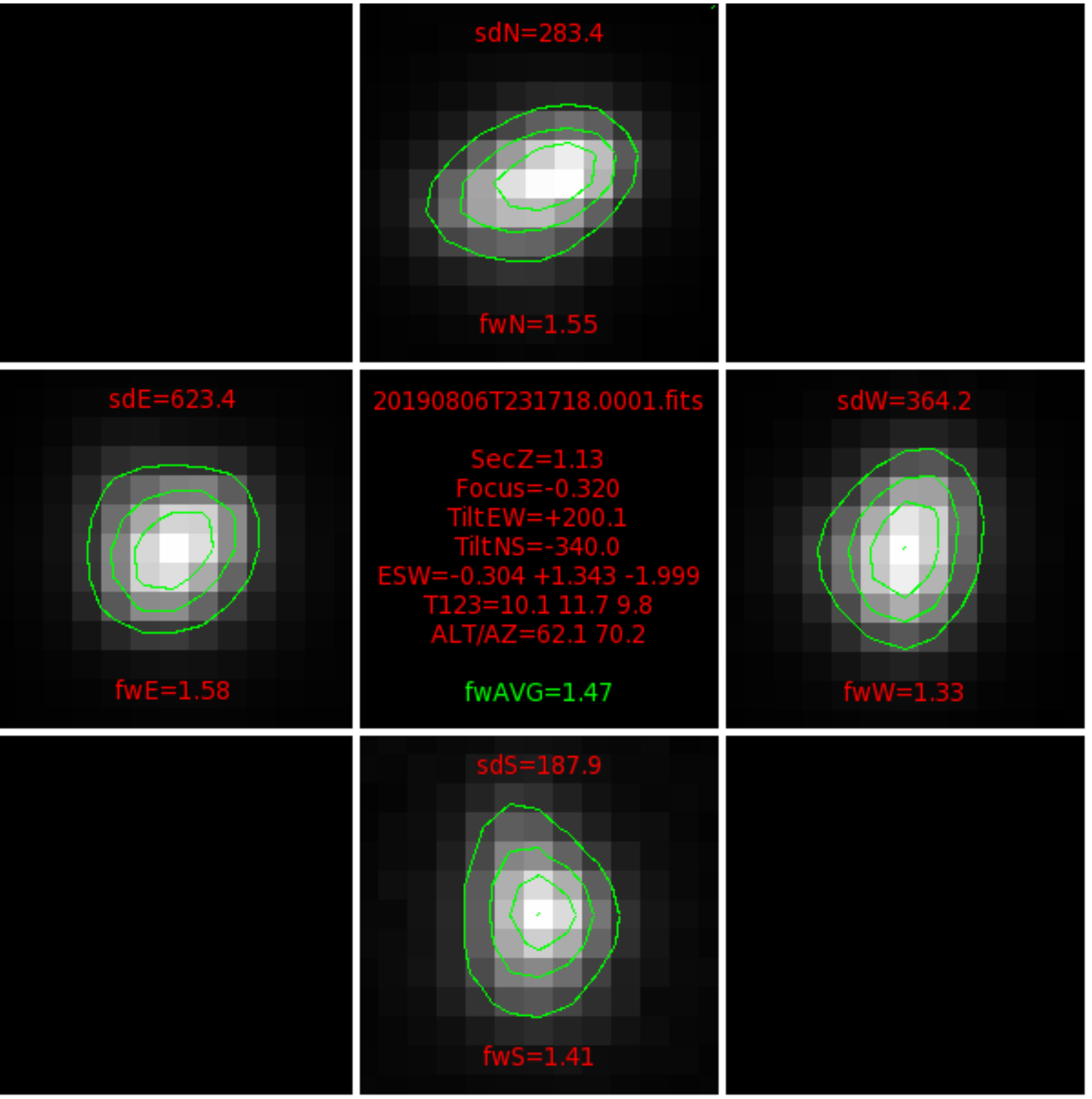
sdN=283.4
fwN=1.55
sdE=623.4
fwE=1.58
20190806T231718.0001.fits
SecZ=1.13
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=10.1 11.7 9.8
ALT/AZ=62.1 70.2
fwAVG=1.47
sdW=364.2
fwW=1.33
sdS=187.9
fwS=1.41
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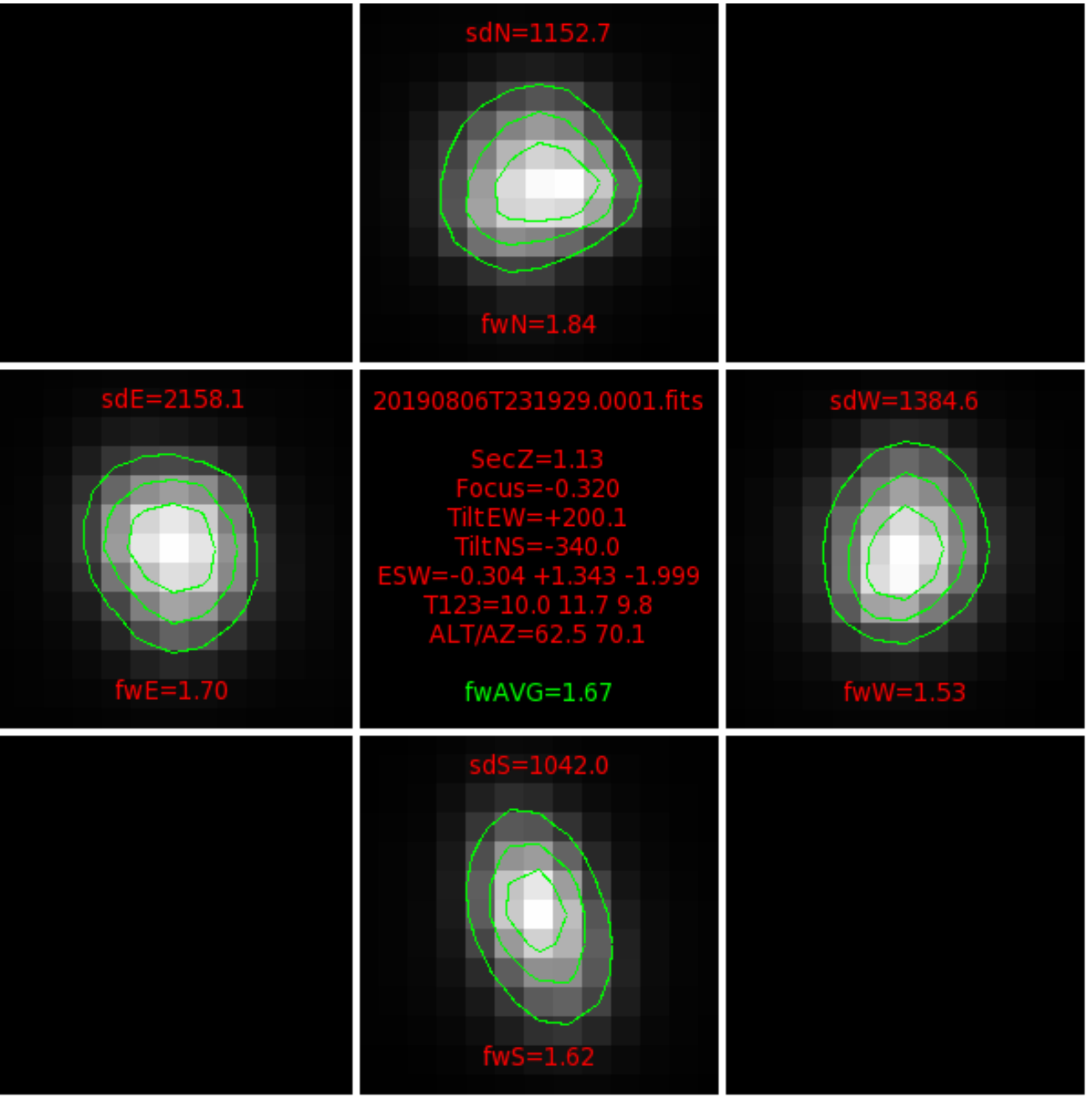
sdN=1152.7
fwN=1.84
sdE=2158.1
fwE=1.70
20190806T231929.0001.fits
SecZ=1.13
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=10.0 11.7 9.8
ALT/AZ=62.5 70.1
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sdW=1384.6
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sdS=1042.0
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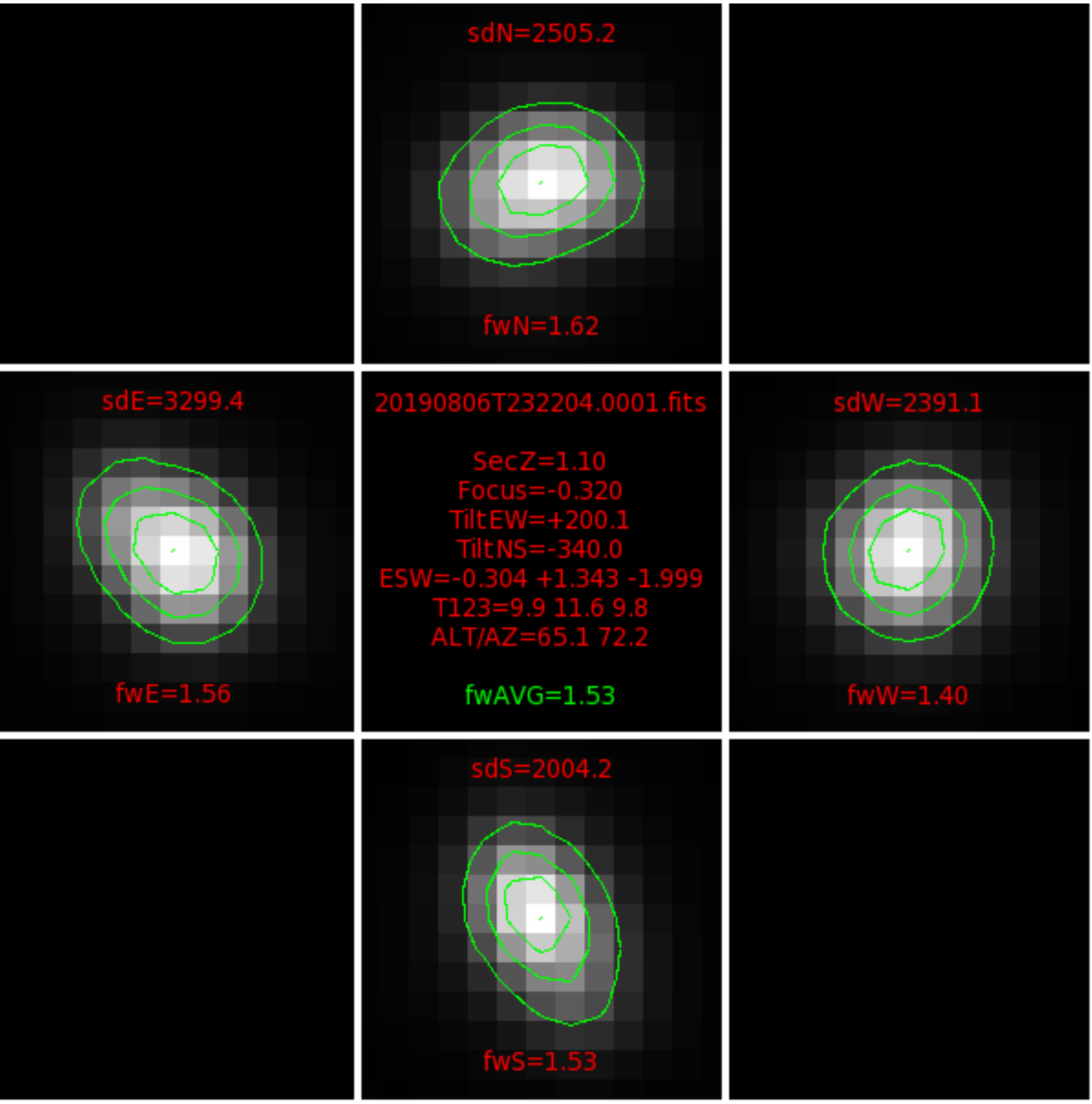
sdN=2505.2
fwN=1.62
sdE=3299.4
fwE=1.56
20190806T232204.0001.fits
SecZ=1.10
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=9.9 11.6 9.8
ALT/AZ=65.1 72.2
fwAVG=1.53
sdW=2391.1
fwW=1.40
sdS=2004.2
fwS=1.53
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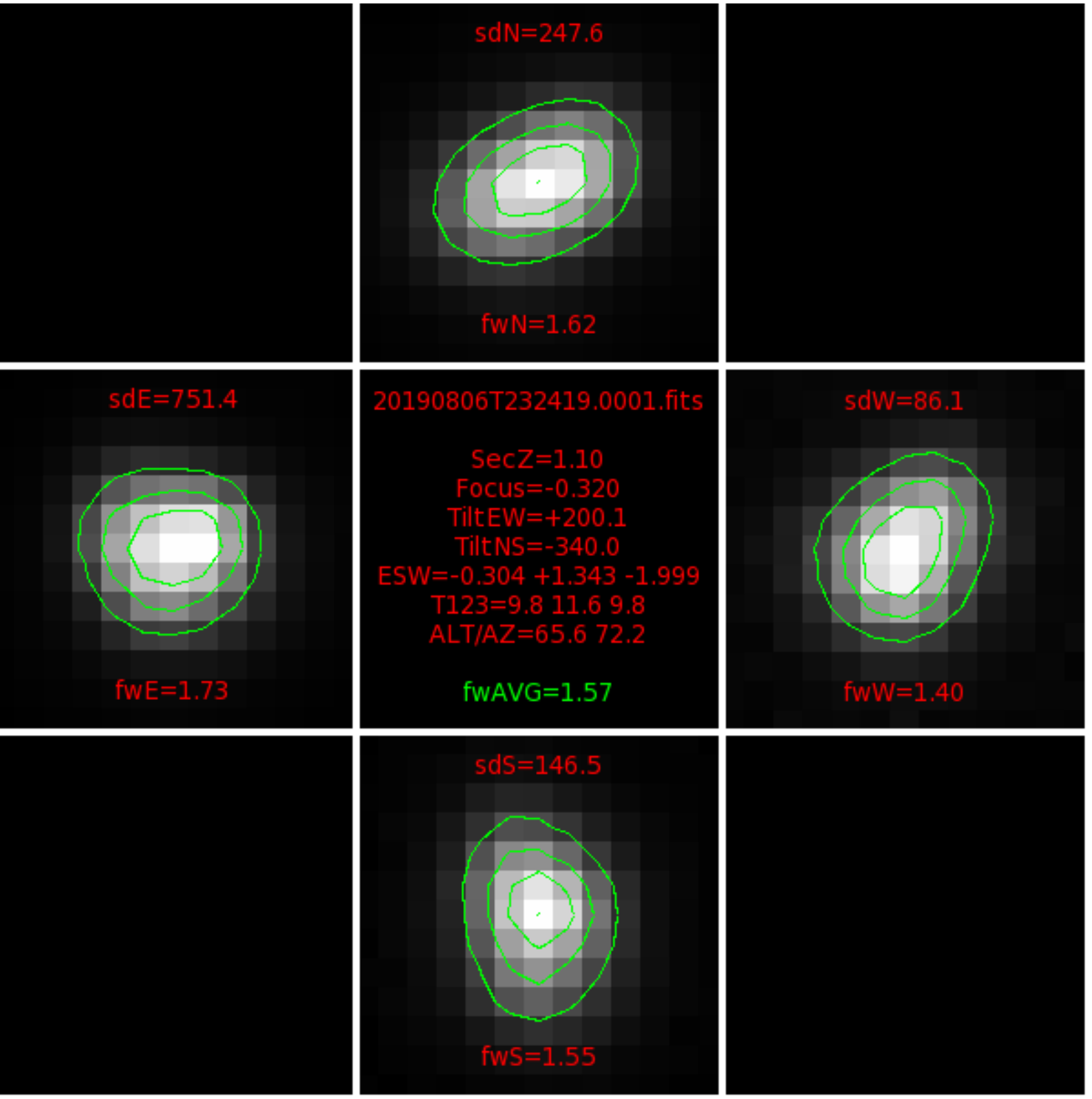
sdN=247.6
fwN=1.62
sdE=751.4
fwE=1.73
20190806T232419.0001.fits
SecZ=1.10
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=9.8 11.6 9.8
ALT/AZ=65.6 72.2
fwAVG=1.57
sdW=86.1
fwW=1.40
sdS=146.5
fwS=1.55
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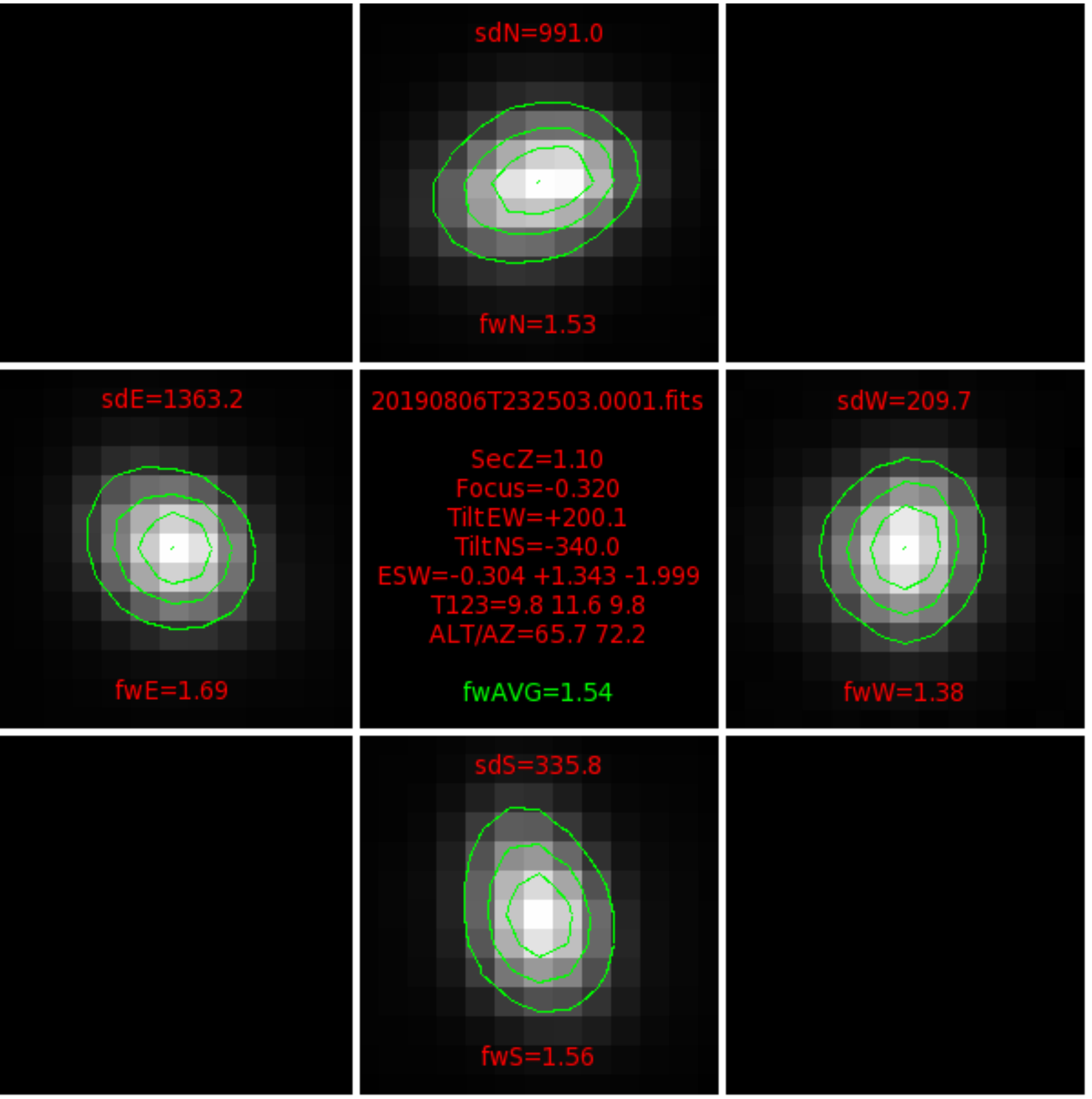
sdN=991.0
fwN=1.53
sdE=1363.2
fwE=1.69
20190806T232503.0001.fits
SecZ=1.10
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=9.8 11.6 9.8
ALT/AZ=65.7 72.2
fwAVG=1.54
sdW=209.7
fwW=1.38
sdS=335.8
fwS=1.56
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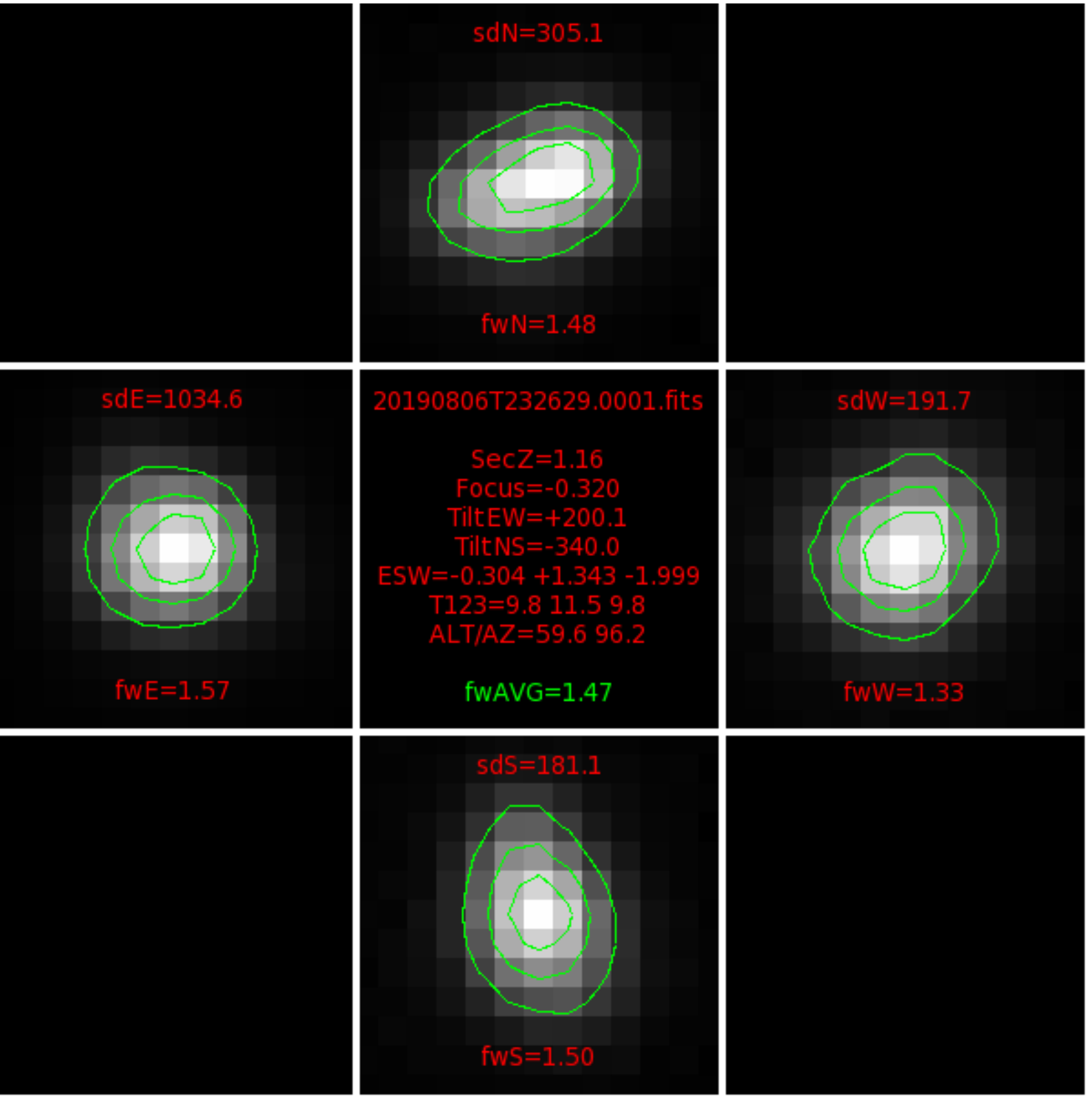
sdN=305.1
fwN=1.48
sdE=1034.6
fwE=1.57
20190806T232629.0001.fits
SecZ=1.16
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=9.8 11.5 9.8
ALT/AZ=59.6 96.2
fwAVG=1.47
sdW=191.7
fwW=1.33
sdS=181.1
fwS=1.50
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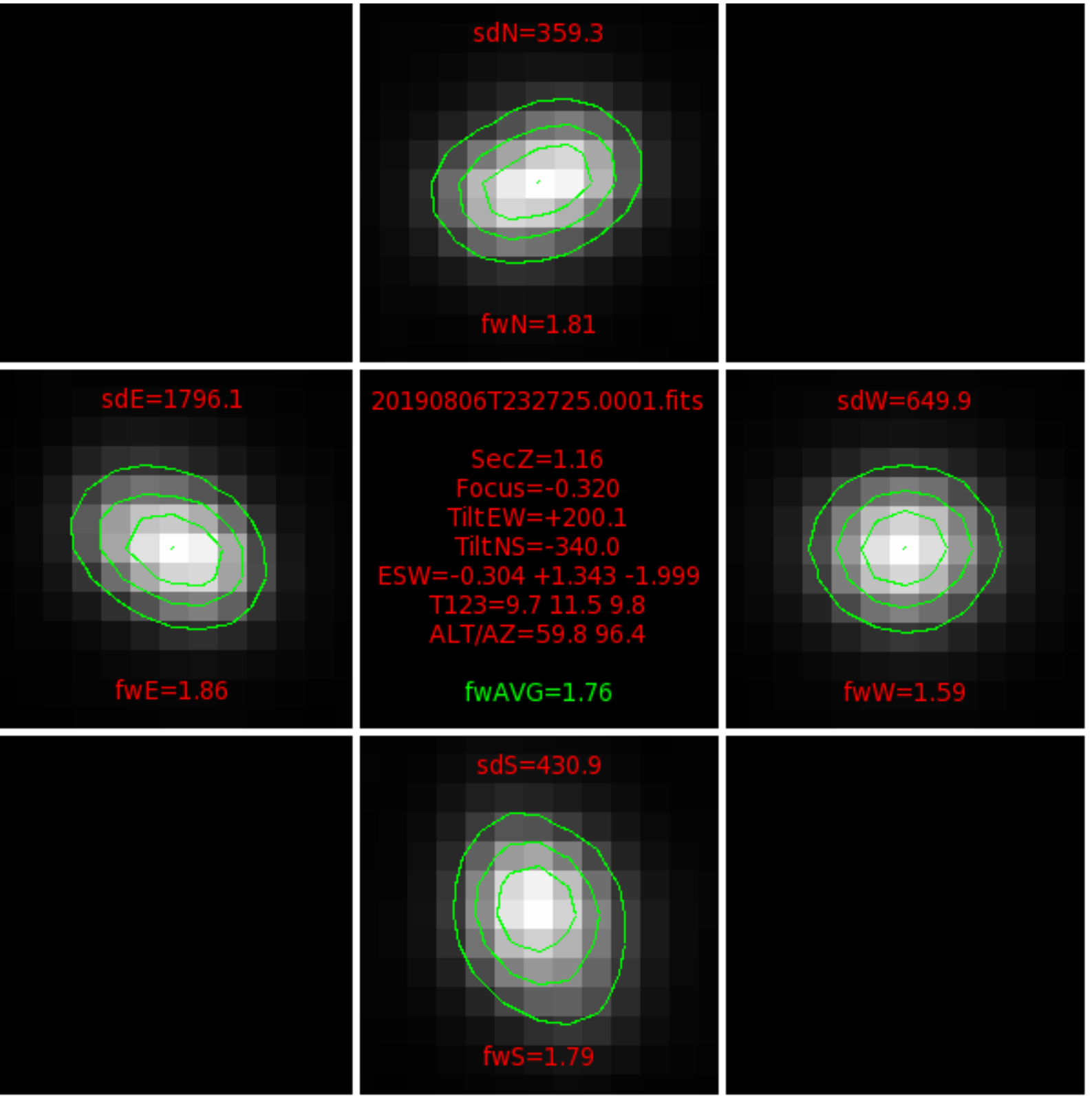
sdN=359.3
fwN=1.81
sdE=1796.1
fwE=1.86
20190806T232725.0001.fits
SecZ=1.16
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=9.7 11.5 9.8
ALT/AZ=59.8 96.4
fwAVG=1.76
sdW=649.9
fwW=1.59
sdS=430.9
fwS=1.79
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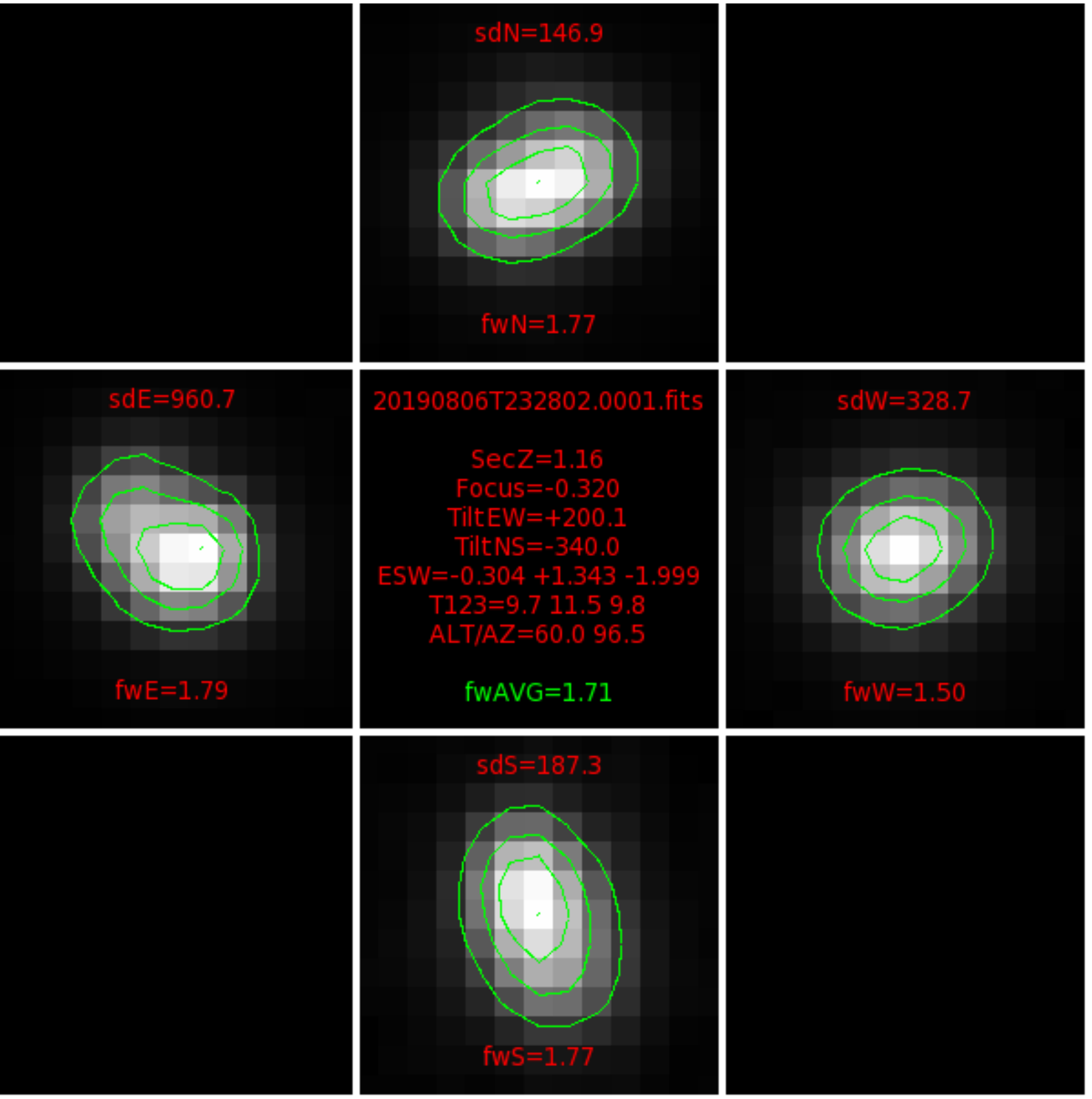
sdN=146.9
fwN=1.77
sdE=960.7
fwE=1.79
20190806T232802.0001.fits
SecZ=1.16
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=9.7 11.5 9.8
ALT/AZ=60.0 96.5
fwAVG=1.71
sdW=328.7
fwW=1.50
sdS=187.3
fwS=1.77
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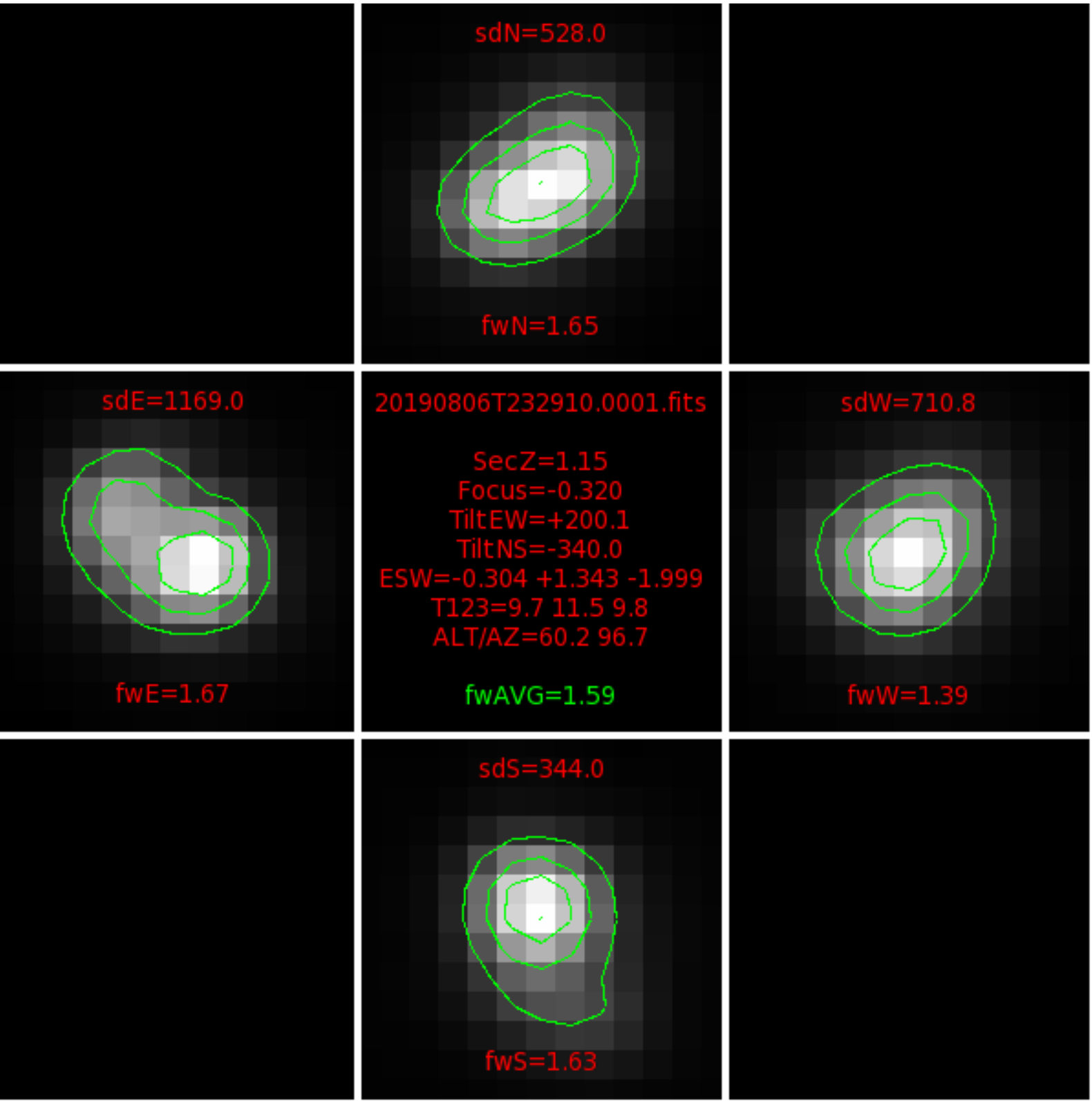
sdN=528.0
fwN=1.65
sdE=1169.0
fwE=1.67
20190806T232910.0001.fits
SecZ=1.15
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=9.7 11.5 9.8
ALT/AZ=60.2 96.7
fwAVG=1.59
sdW=710.8
fwW=1.39
sdS=344.0
fwS=1.63
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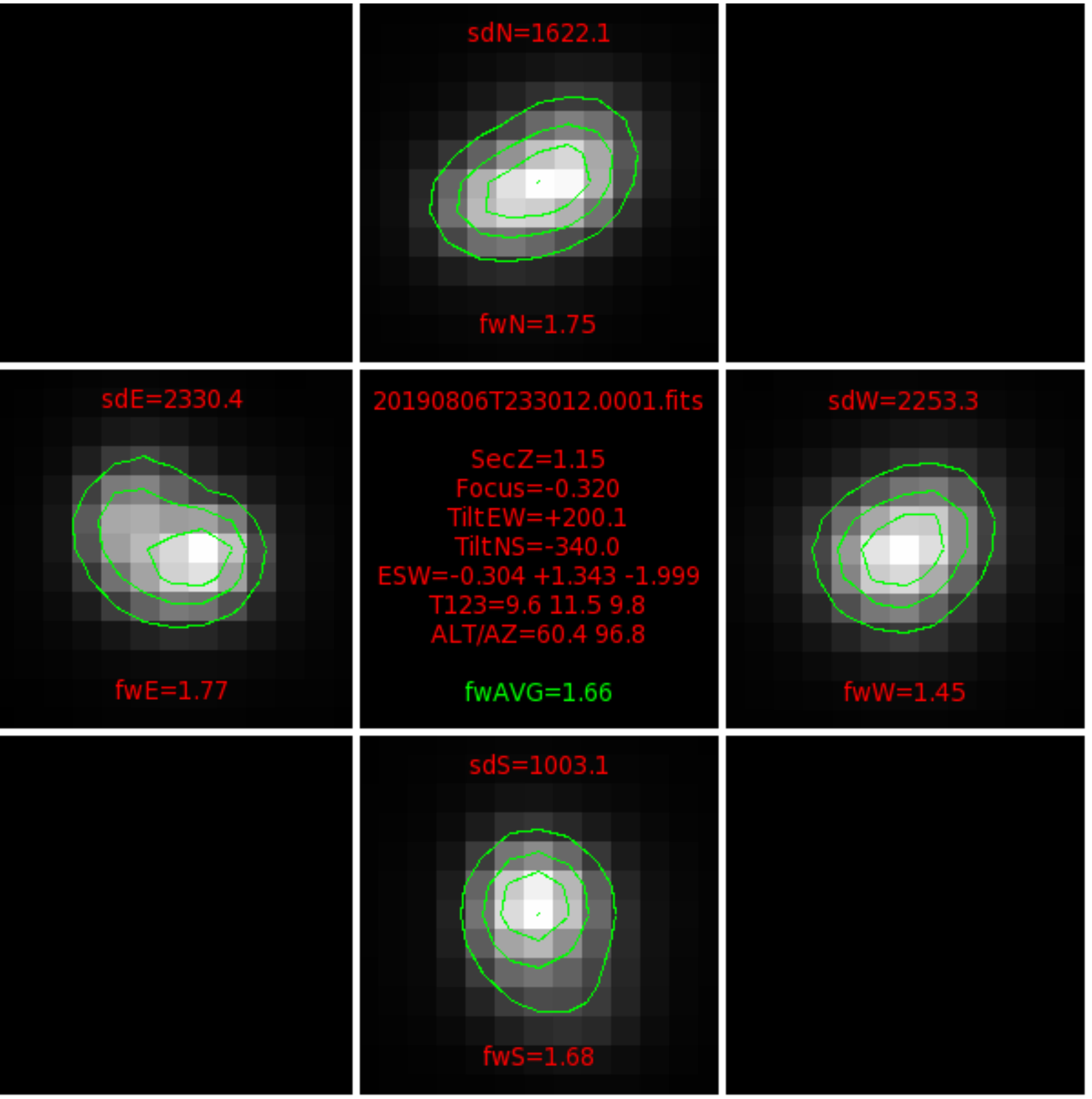
sdN=1622.1
fwN=1.75
sdE=2330.4
fwE=1.77
20190806T233012.0001.fits
SecZ=1.15
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=9.6 11.5 9.8
ALT/AZ=60.4 96.8
fwAVG=1.66
sdW=2253.3
fwW=1.45
sdS=1003.1
fwS=1.68
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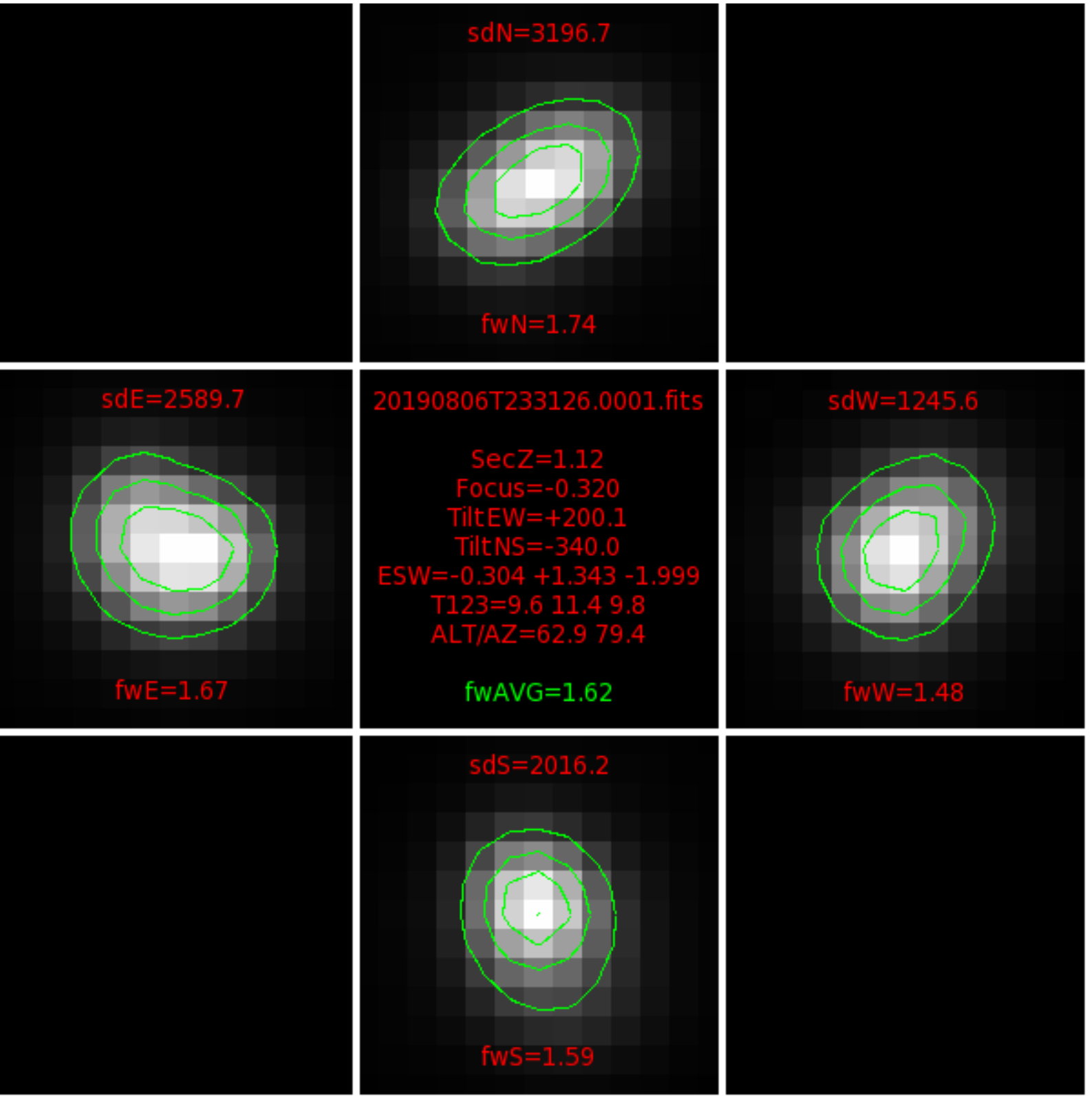
sdN=3196.7
fwN=1.74
sdE=2589.7
fwE=1.67
20190806T233126.0001.fits
SecZ=1.12
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=9.6 11.4 9.8
ALT/AZ=62.9 79.4
fwAVG=1.62
sdW=1245.6
fwW=1.48
sdS=2016.2
fwS=1.59
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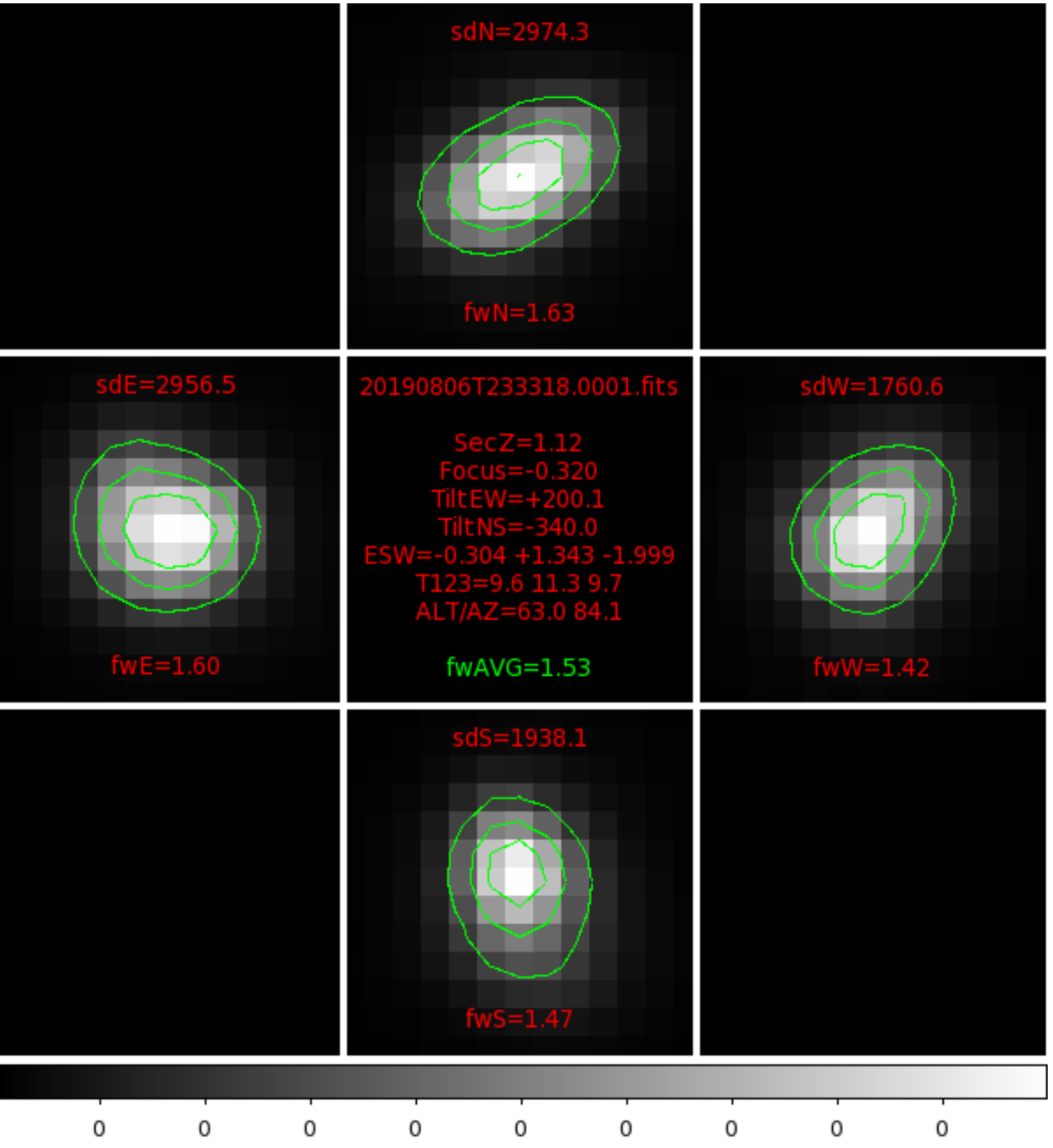
sdN=2974.3
fwN=1.63
sdE=2956.5
fwE=1.60
20190806T233318.0001.fits
SecZ=1.12
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=9.6 11.3 9.7
ALT/AZ=63.0 84.1
fwAVG=1.53
sdW=1760.6
fwW=1.42
sdS=1938.1
fwS=1.47
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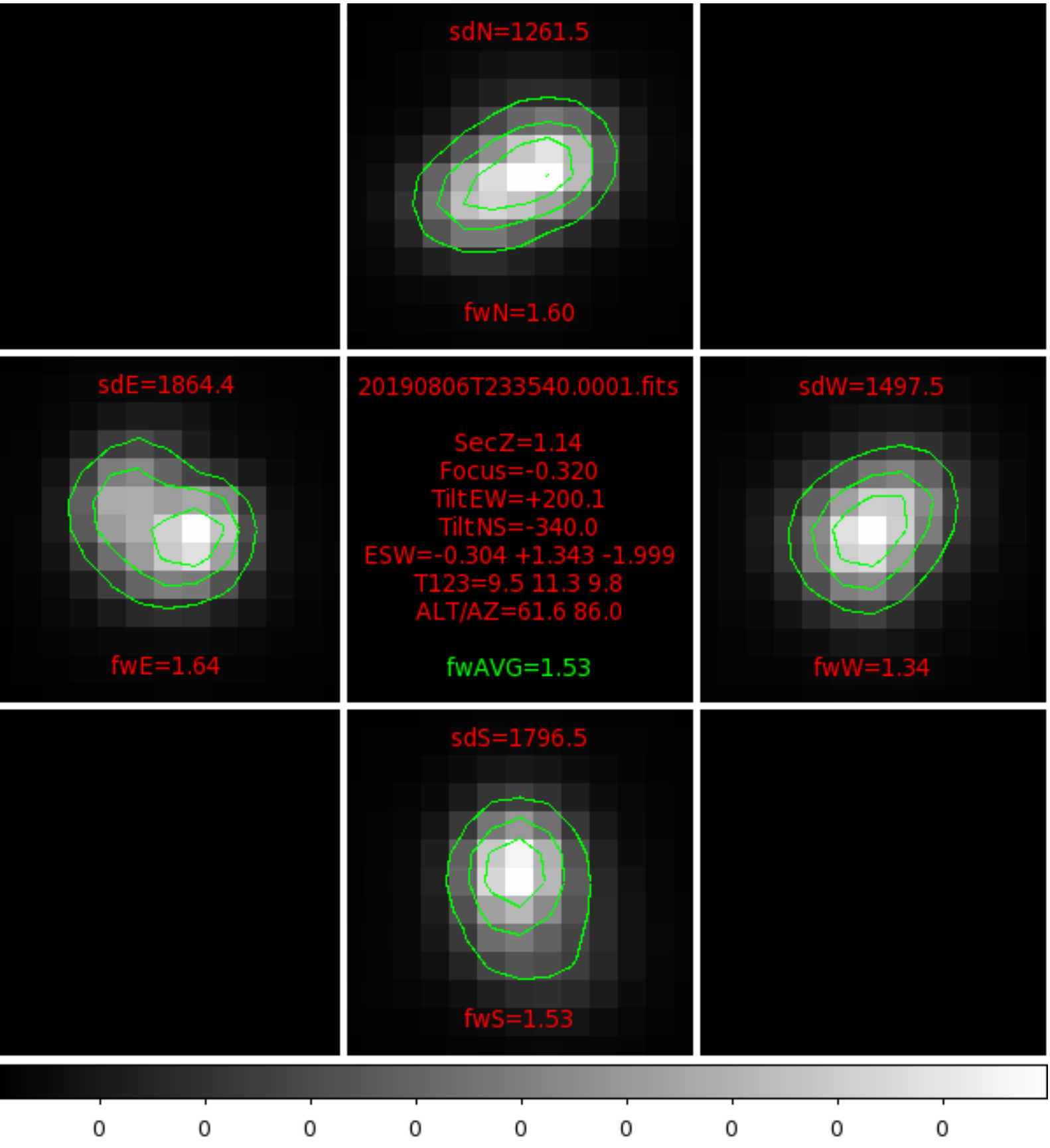
sdN=1261.5
fwN=1.60
sdE=1864.4
fwE=1.64
20190806T233540.0001.fits
SecZ=1.14
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=9.5 11.3 9.8
ALT/AZ=61.6 86.0
fwAVG=1.53
sdW=1497.5
fwW=1.34
sdS=1796.5
fwS=1.53
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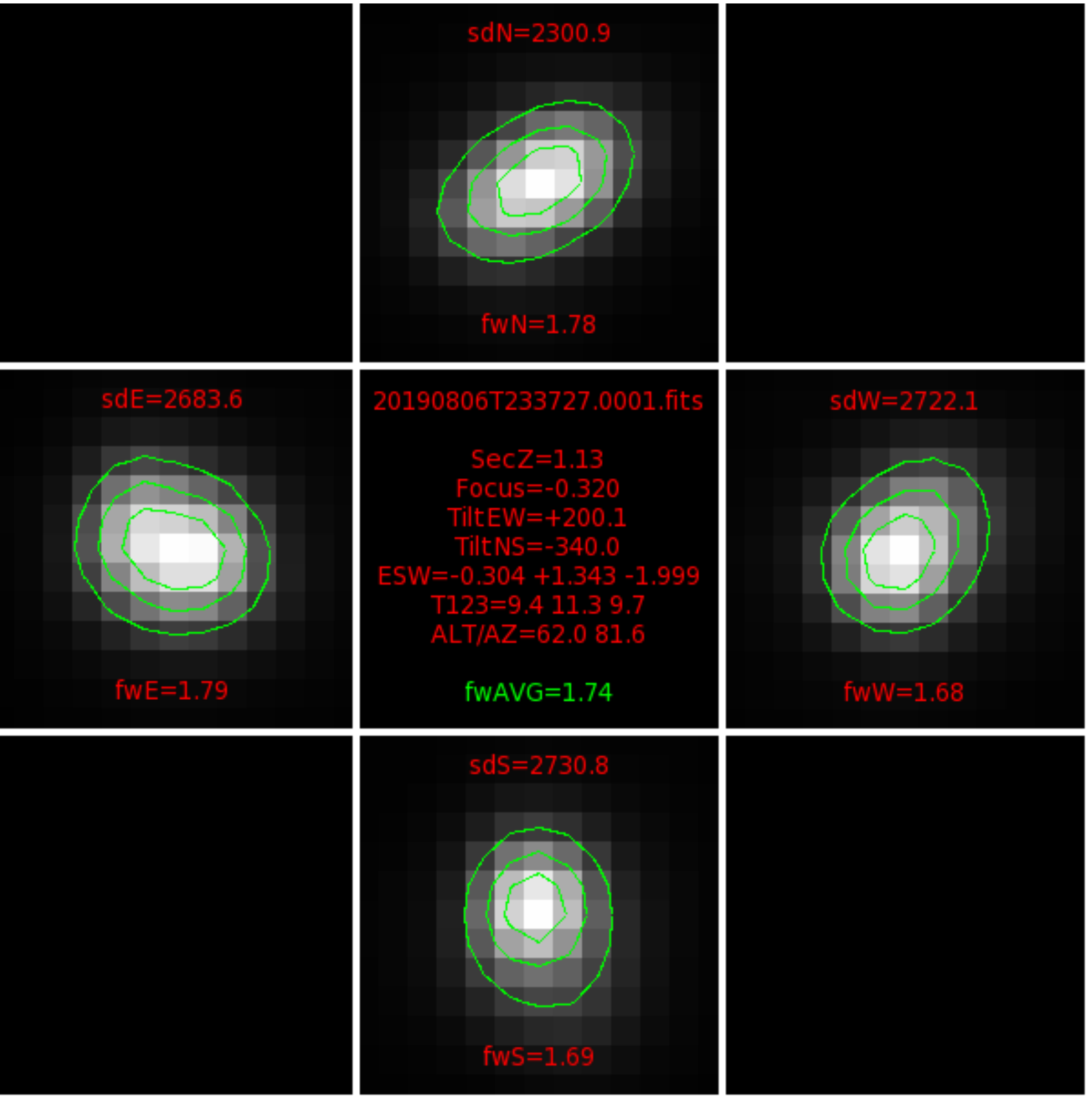
sdN=2300.9
fwN=1.78
sdE=2683.6
fwE=1.79
20190806T233727.0001.fits
SecZ=1.13
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=9.4 11.3 9.7
ALT/AZ=62.0 81.6
fwAVG=1.74
sdW=2722.1
fwW=1.68
sdS=2730.8
fwS=1.69
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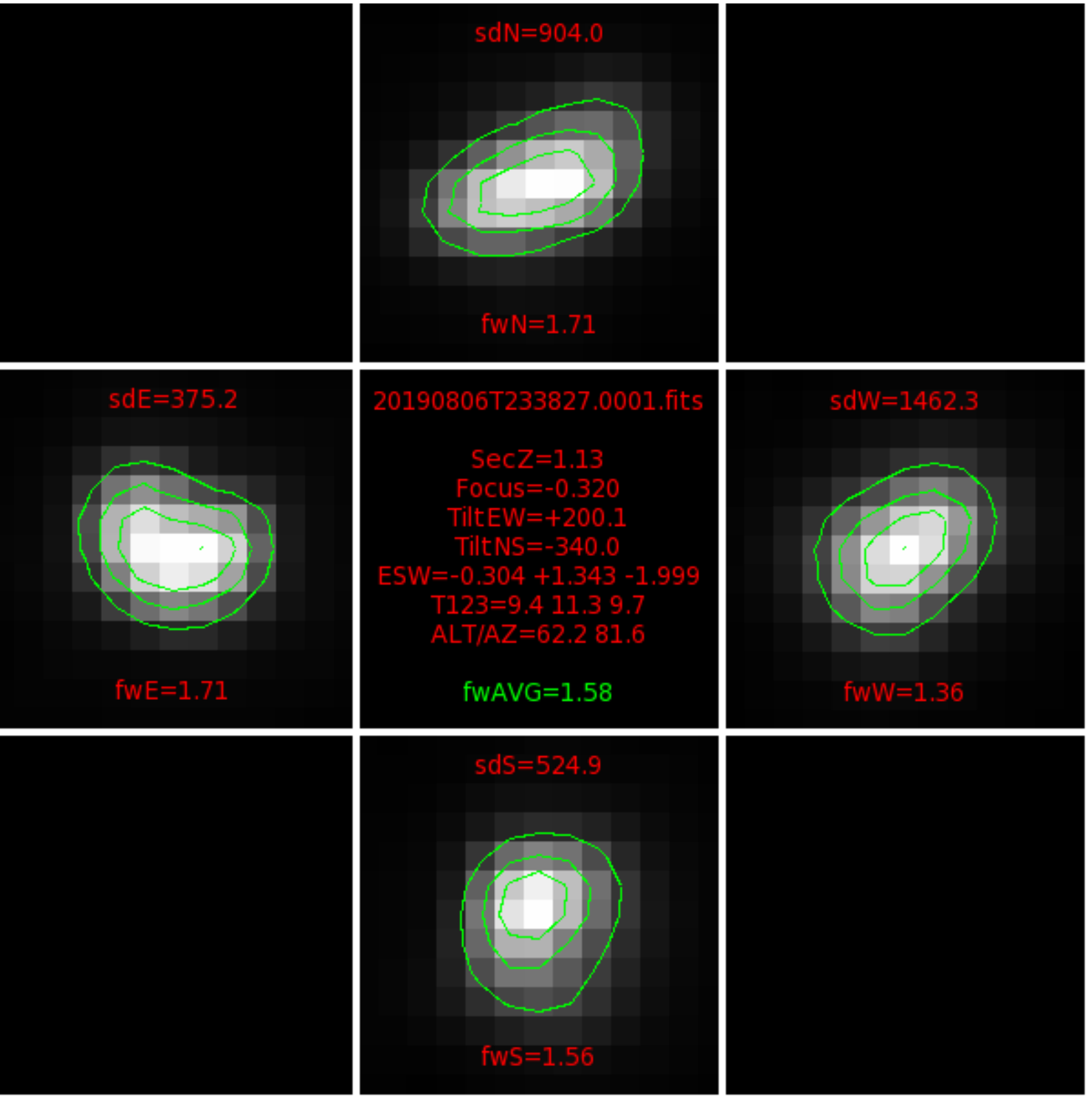
sdN=904.0
fwN=1.71
sdE=375.2
fwE=1.71
20190806T233827.0001.fits
SecZ=1.13
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=9.4 11.3 9.7
ALT/AZ=62.2 81.6
fwAVG=1.58
sdW=1462.3
fwW=1.36
sdS=524.9
fwS=1.56
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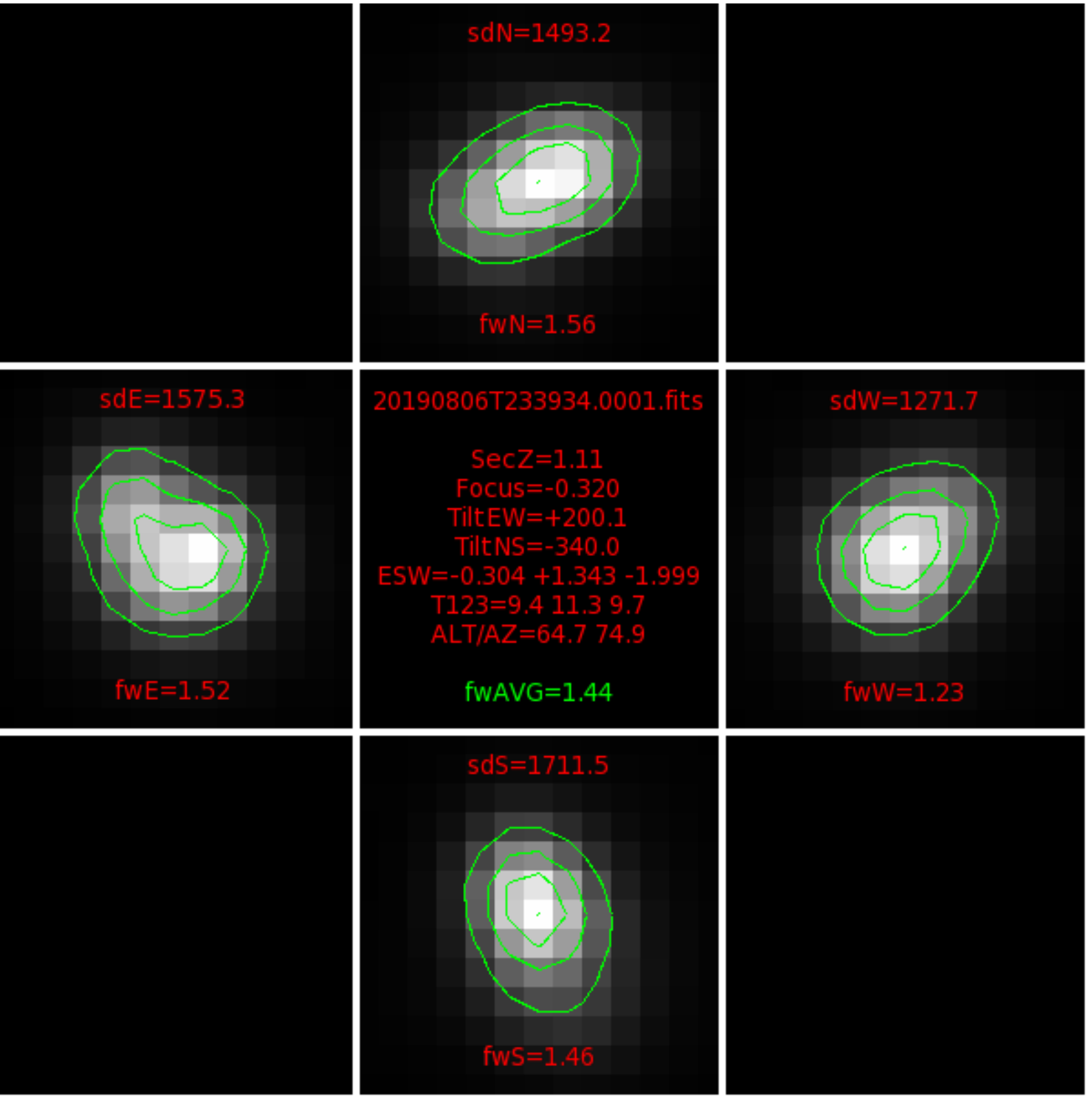
sdN=1493.2
fwN=1.56
sdE=1575.3
fwE=1.52
20190806T233934.0001.fits
SecZ=1.11
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=9.4 11.3 9.7
ALT/AZ=64.7 74.9
fwAVG=1.44
sdW=1271.7
fwW=1.23
sdS=1711.5
fwS=1.46
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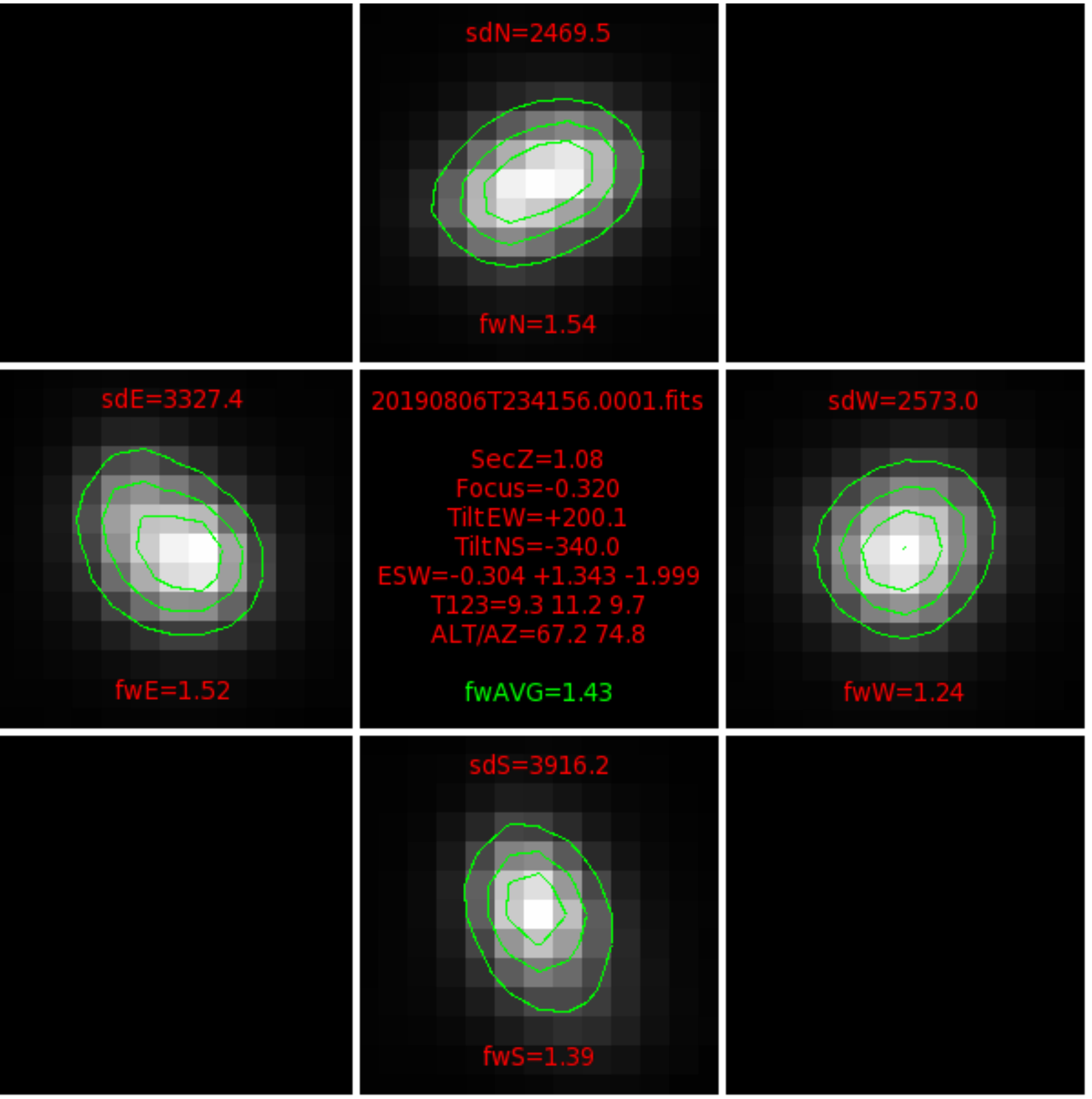
sdN=2469.5
fwN=1.54
sdE=3327.4
fwE=1.52
20190806T234156.0001.fits
SecZ=1.08
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=9.3 11.2 9.7
ALT/AZ=67.2 74.8
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sdW=2573.0
fwW=1.24
sdS=3916.2
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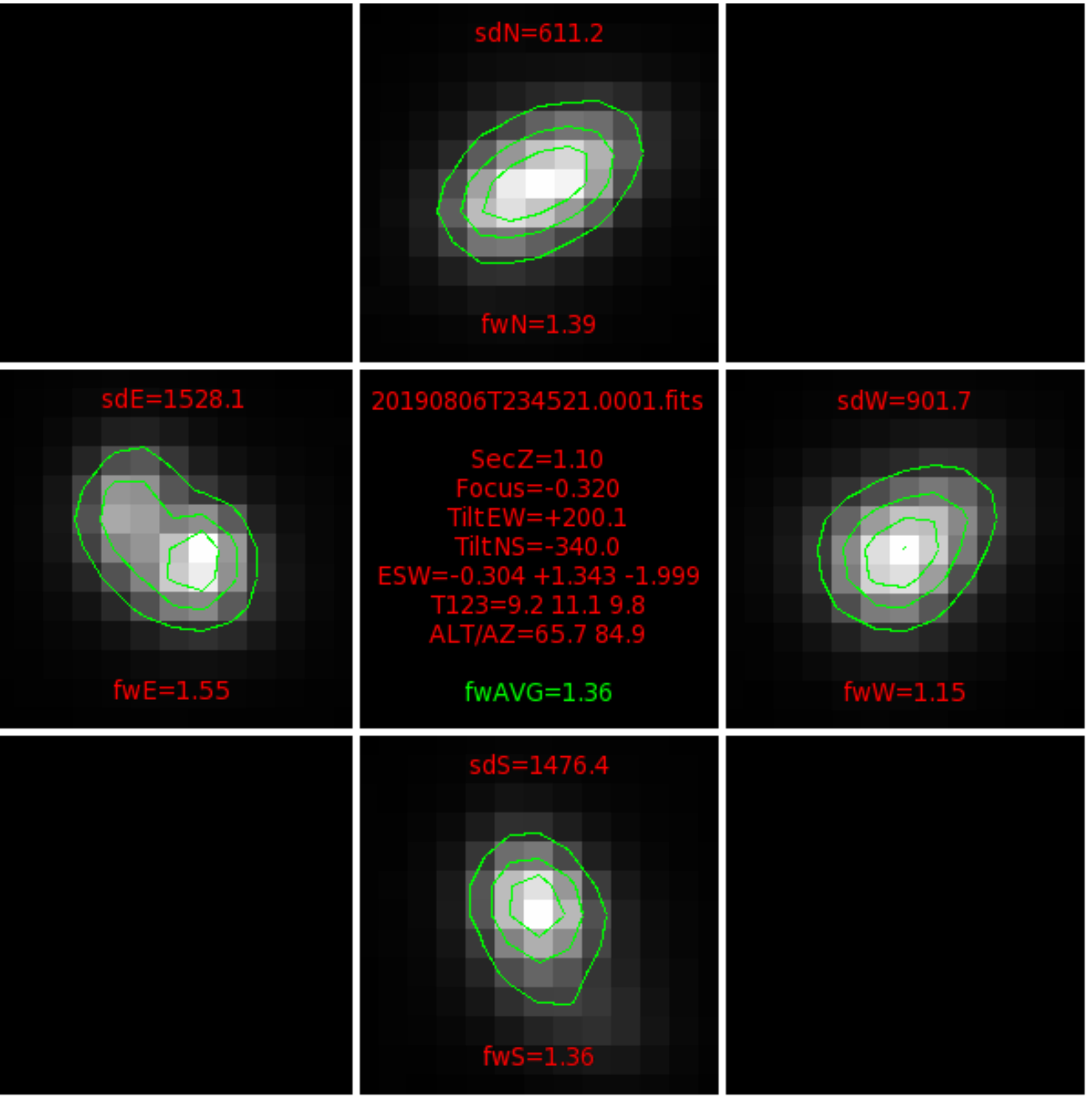
sdN=611.2
fwN=1.39
sdE=1528.1
fwE=1.55
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SecZ=1.10
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=9.2 11.1 9.8
ALT/AZ=65.7 84.9
fwAVG=1.36
sdW=901.7
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sdS=1476.4
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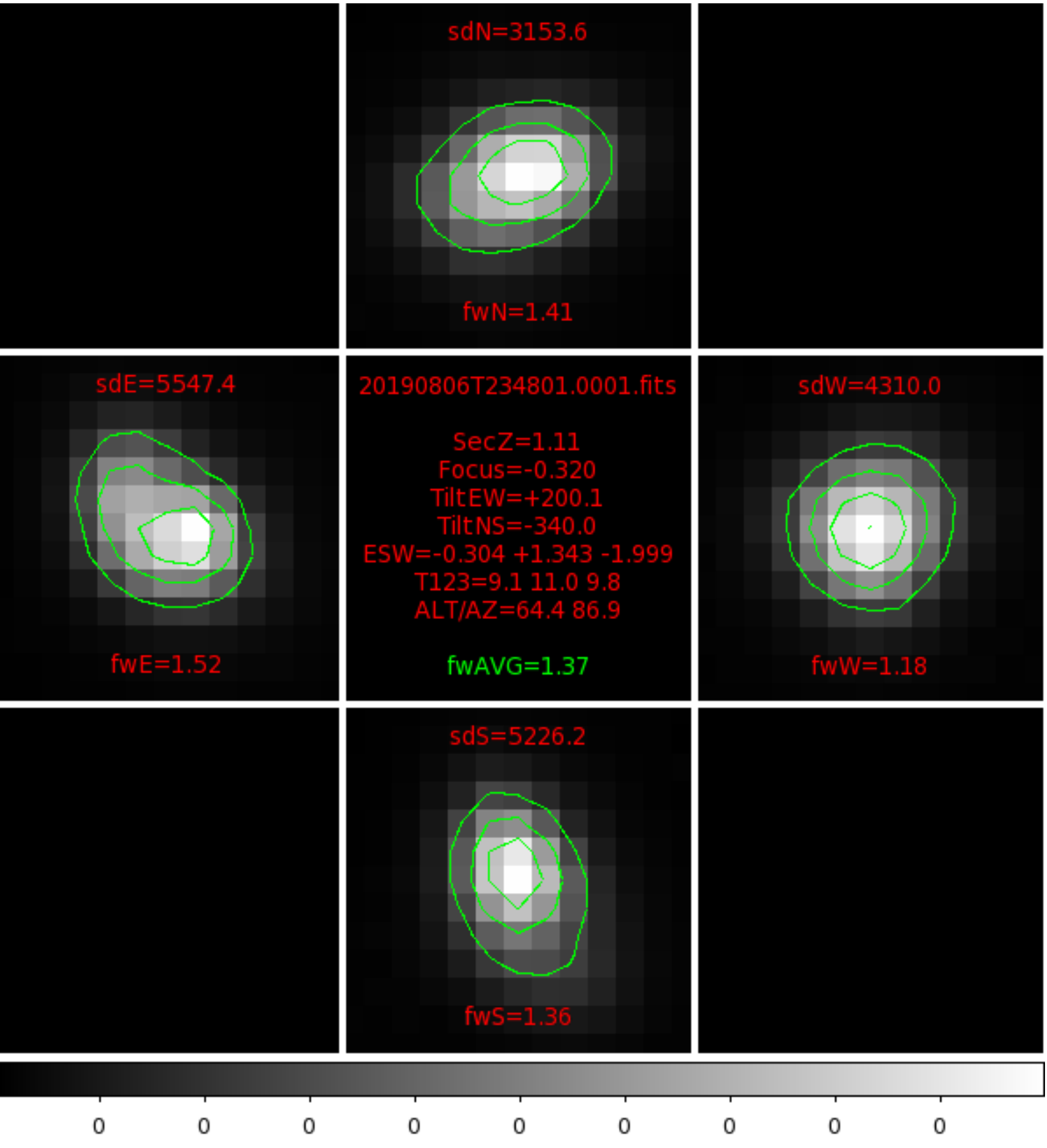
sdN=3153.6
fwN=1.41
sdE=5547.4
fwE=1.52
20190806T234801.0001.fits
SecZ=1.11
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=9.1 11.0 9.8
ALT/AZ=64.4 86.9
fwAVG=1.37
sdW=4310.0
fwW=1.18
sdS=5226.2
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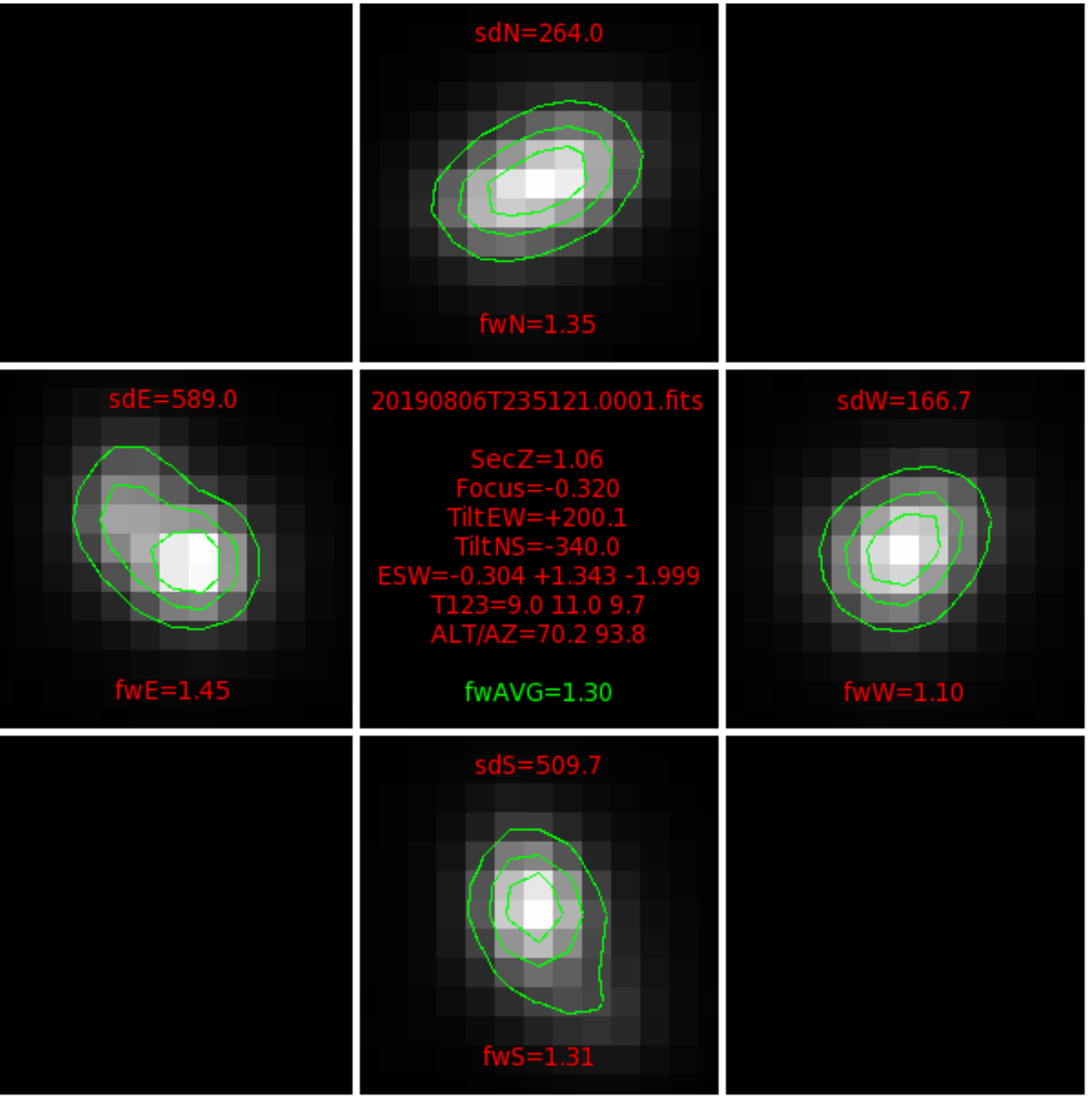
sdN=264.0
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sdE=589.0
fwE=1.45
20190806T235121.0001.fits
SecZ=1.06
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=9.0 11.0 9.7
ALT/AZ=70.2 93.8
fwAVG=1.30
sdW=166.7
fwW=1.10
sdS=509.7
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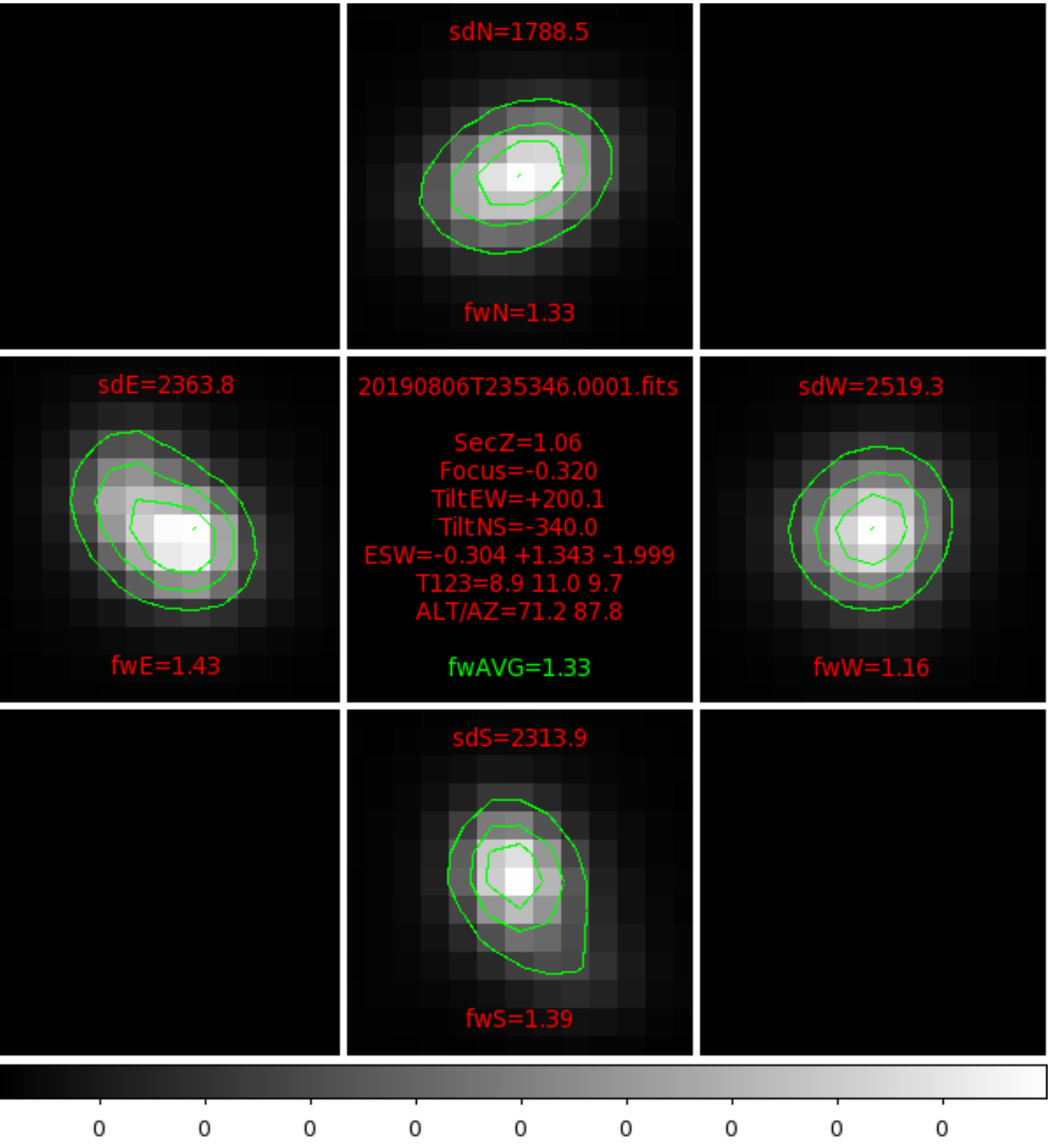
sdN=1788.5
fwN=1.33
sdE=2363.8
fwE=1.43
20190806T235346.0001.fits
SecZ=1.06
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=8.9 11.0 9.7
ALT/AZ=71.2 87.8
fwAVG=1.33
sdW=2519.3
fwW=1.16
sdS=2313.9
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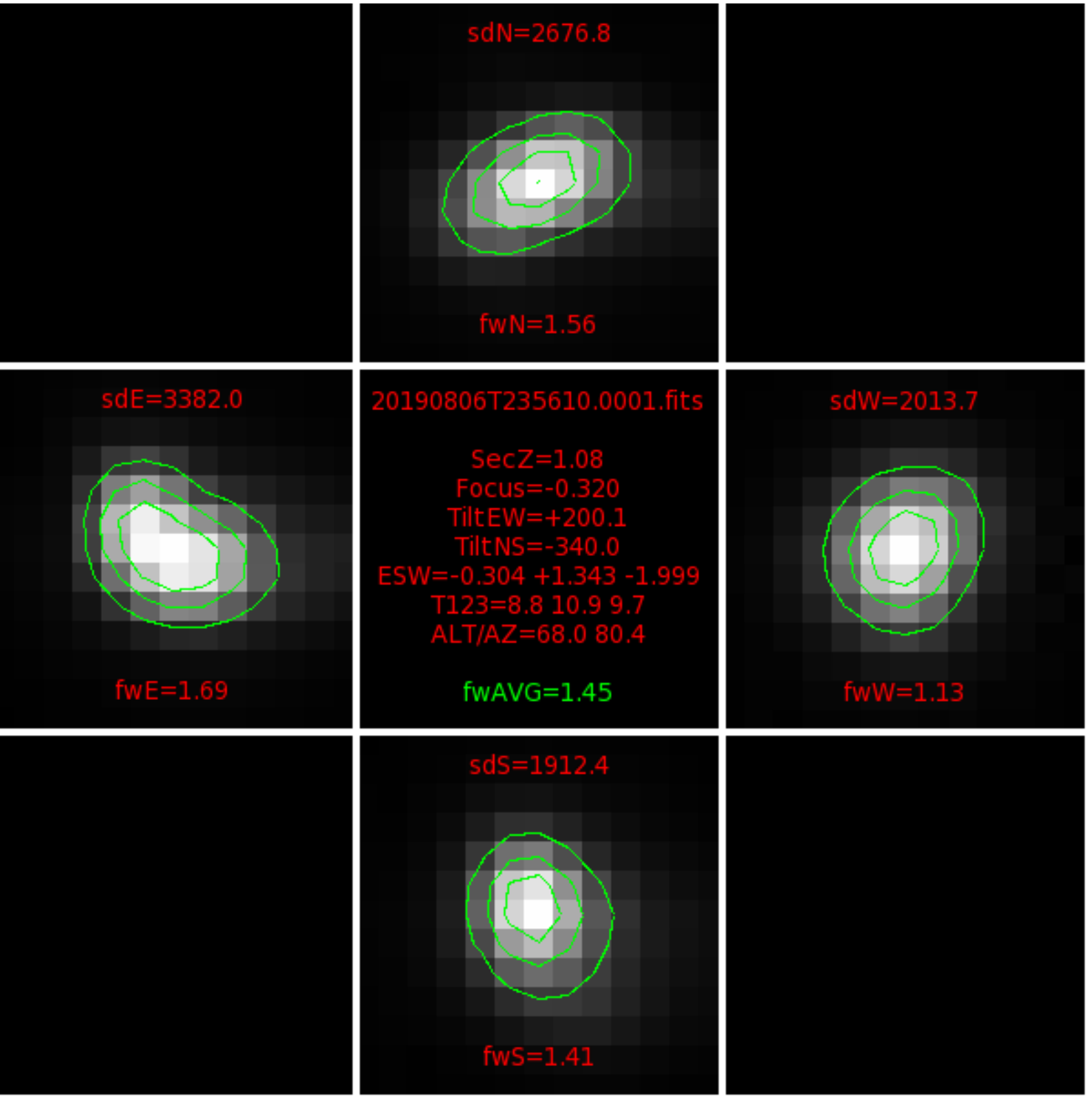
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fwN=1.56
sdE=3382.0
fwE=1.69
20190806T235610.0001.fits
SecZ=1.08
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=8.8 10.9 9.7
ALT/AZ=68.0 80.4
fwAVG=1.45
sdW=2013.7
fwW=1.13
sdS=1912.4
fwS=1.41
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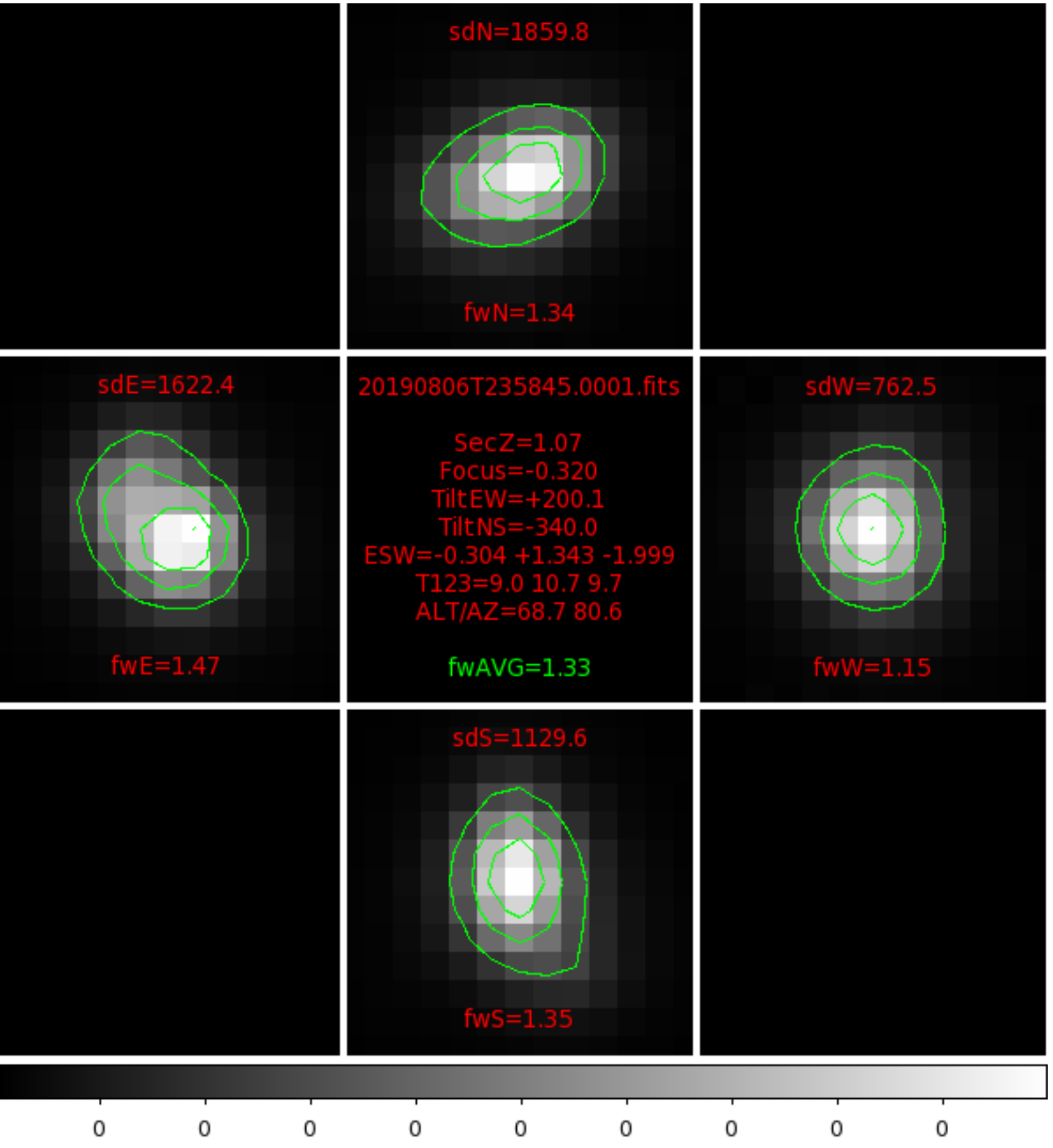
sdN=1859.8
fwN=1.34
sdE=1622.4
fwE=1.47
20190806T235845.0001.fits
SecZ=1.07
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=9.0 10.7 9.7
ALT/AZ=68.7 80.6
fwAVG=1.33
sdW=762.5
fwW=1.15
sdS=1129.6
fwS=1.35
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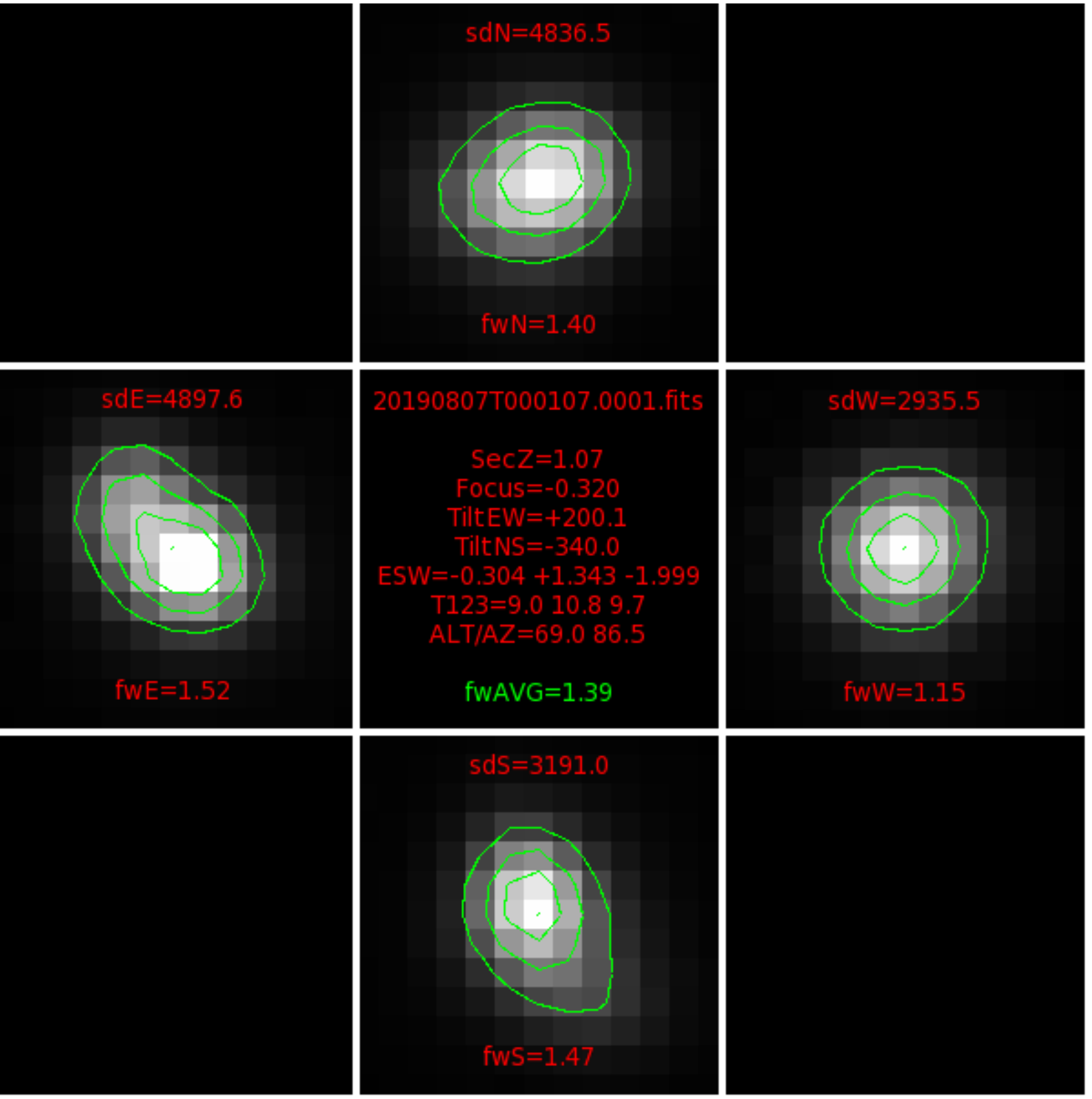
sdN=4836.5
fwN=1.40
sdE=4897.6
fwE=1.52
20190807T000107.0001.fits
SecZ=1.07
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=9.0 10.8 9.7
ALT/AZ=69.0 86.5
fwAVG=1.39
sdW=2935.5
fwW=1.15
sdS=3191.0
fwS=1.47
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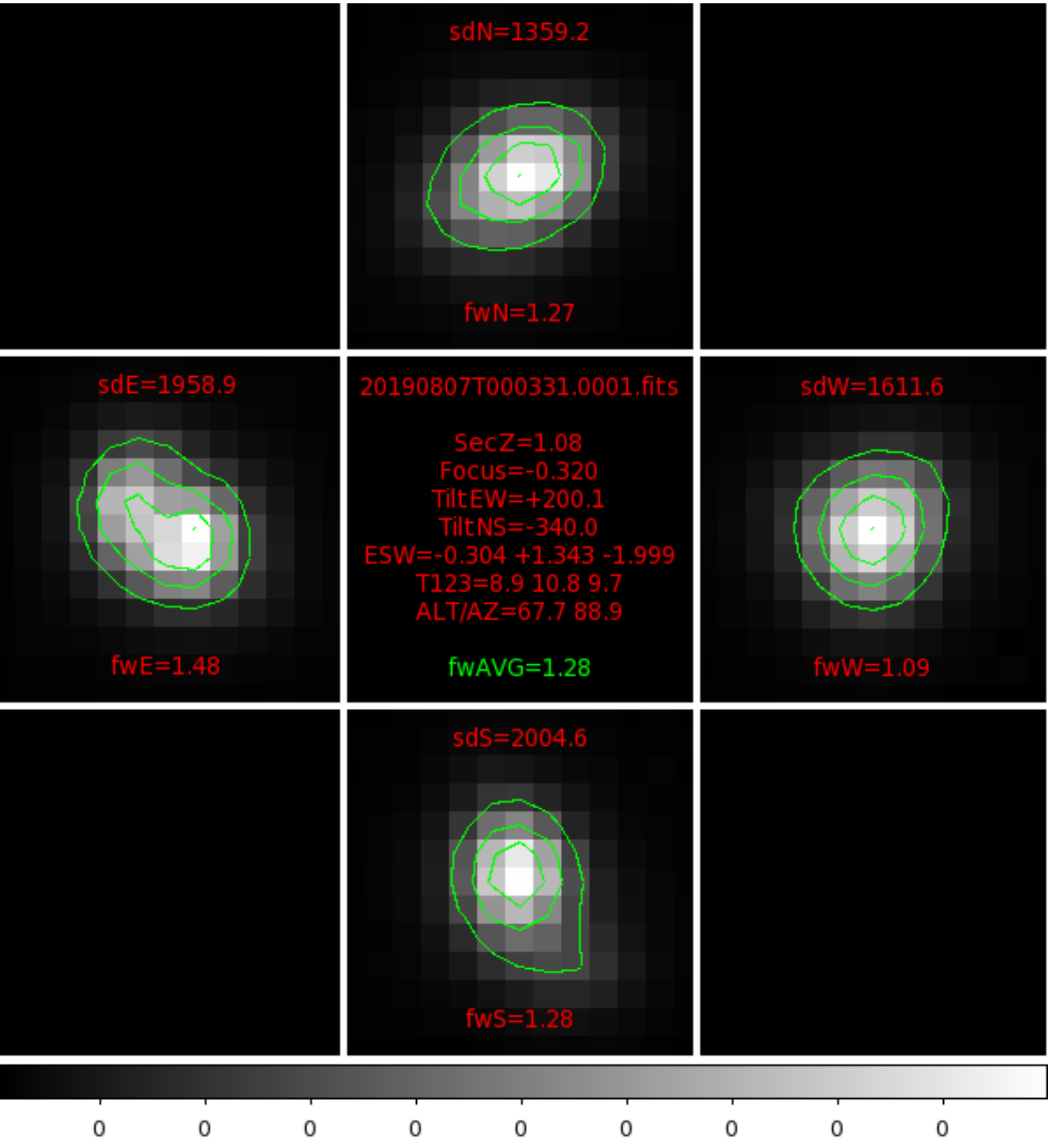
sdN=1359.2
fwN=1.27
sdE=1958.9
fwE=1.48
20190807T000331.0001.fits
SecZ=1.08
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=8.9 10.8 9.7
ALT/AZ=67.7 88.9
fwAVG=1.28
sdW=1611.6
fwW=1.09
sdS=2004.6
fwS=1.28
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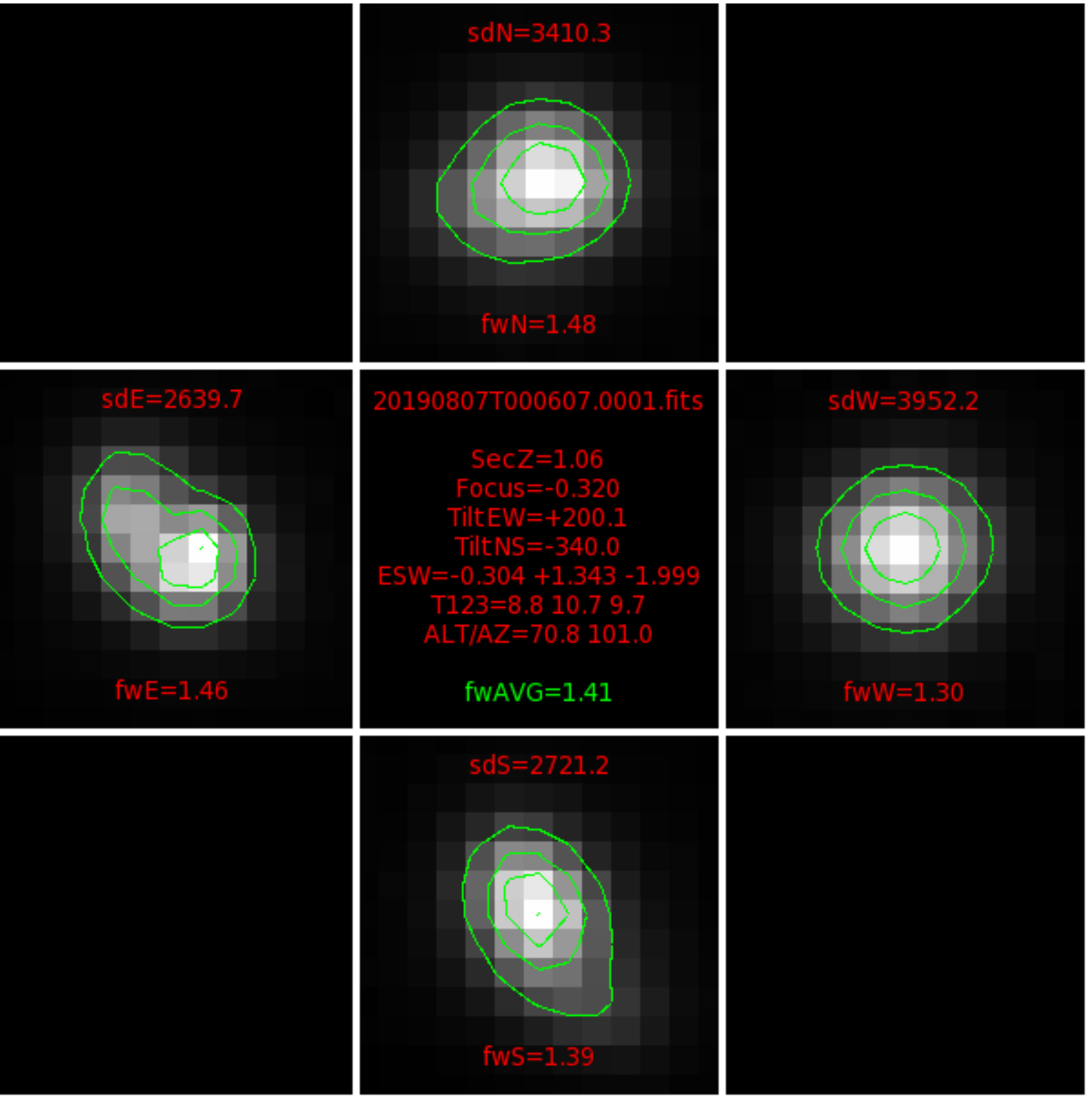
sdN=3410.3
fwN=1.48
sdE=2639.7
fwE=1.46
20190807T000607.0001.fits
SecZ=1.06
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=8.8 10.7 9.7
ALT/AZ=70.8 101.0
fwAVG=1.41
sdW=3952.2
fwW=1.30
sdS=2721.2
fwS=1.39
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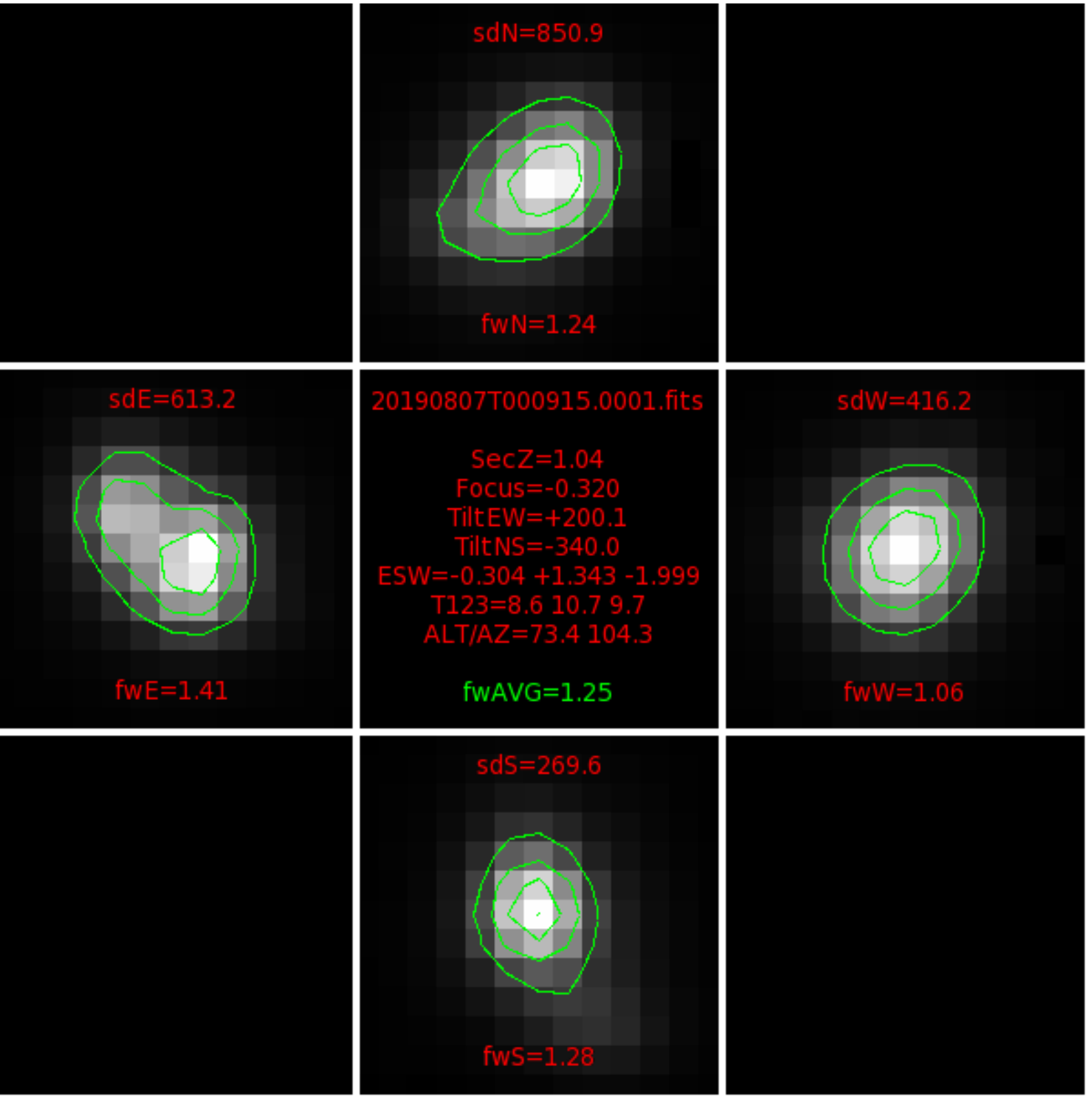
sdN=850.9
fwN=1.24
sdE=613.2
fwE=1.41
20190807T000915.0001.fits
SecZ=1.04
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=8.6 10.7 9.7
ALT/AZ=73.4 104.3
fwAVG=1.25
sdW=416.2
fwW=1.06
sdS=269.6
fwS=1.28
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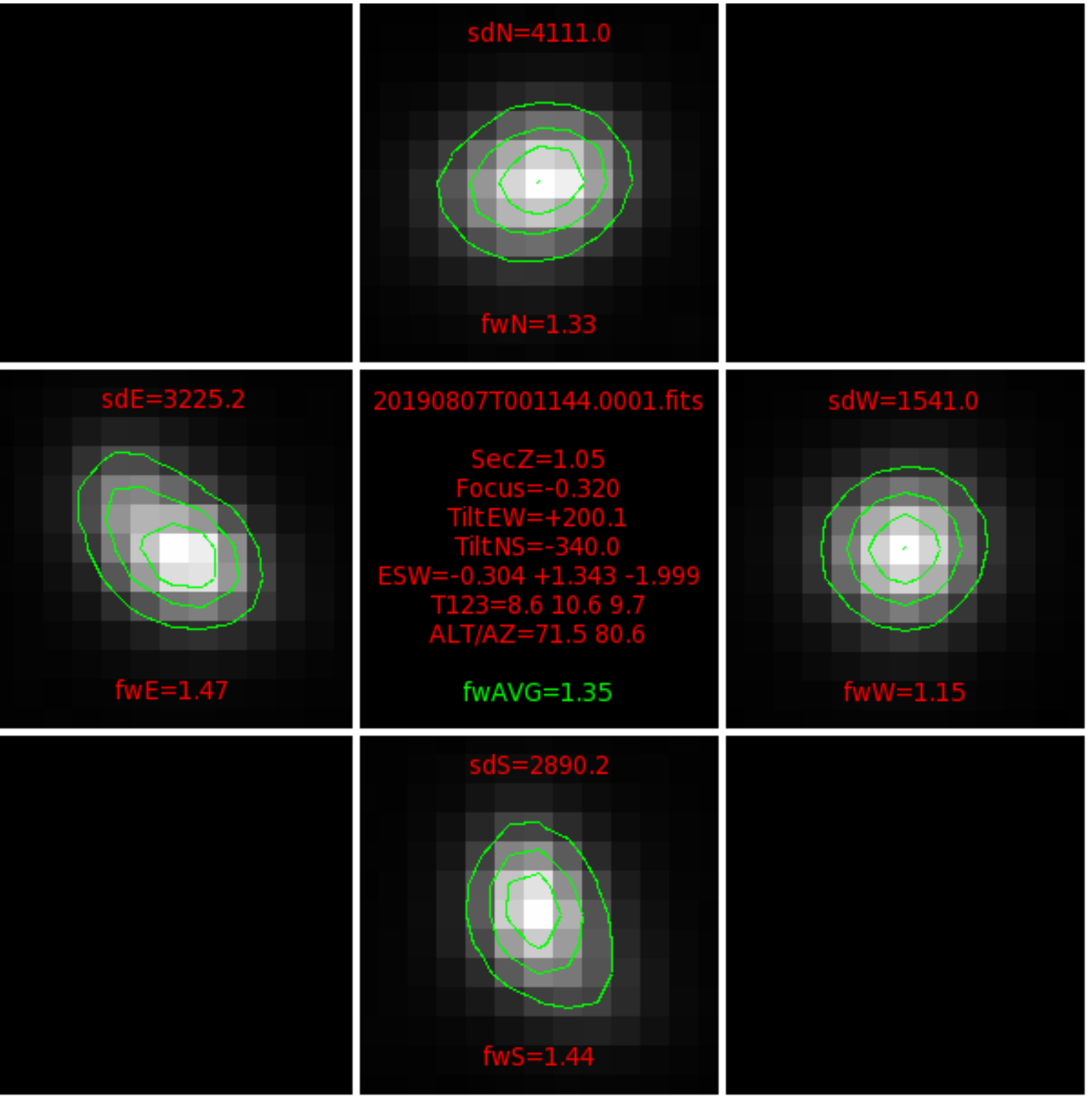
sdN=4111.0
fwN=1.33
sdE=3225.2
fwE=1.47
20190807T001144.0001.fits
SecZ=1.05
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=8.6 10.6 9.7
ALT/AZ=71.5 80.6
fwAVG=1.35
sdW=1541.0
fwW=1.15
sdS=2890.2
fwS=1.44
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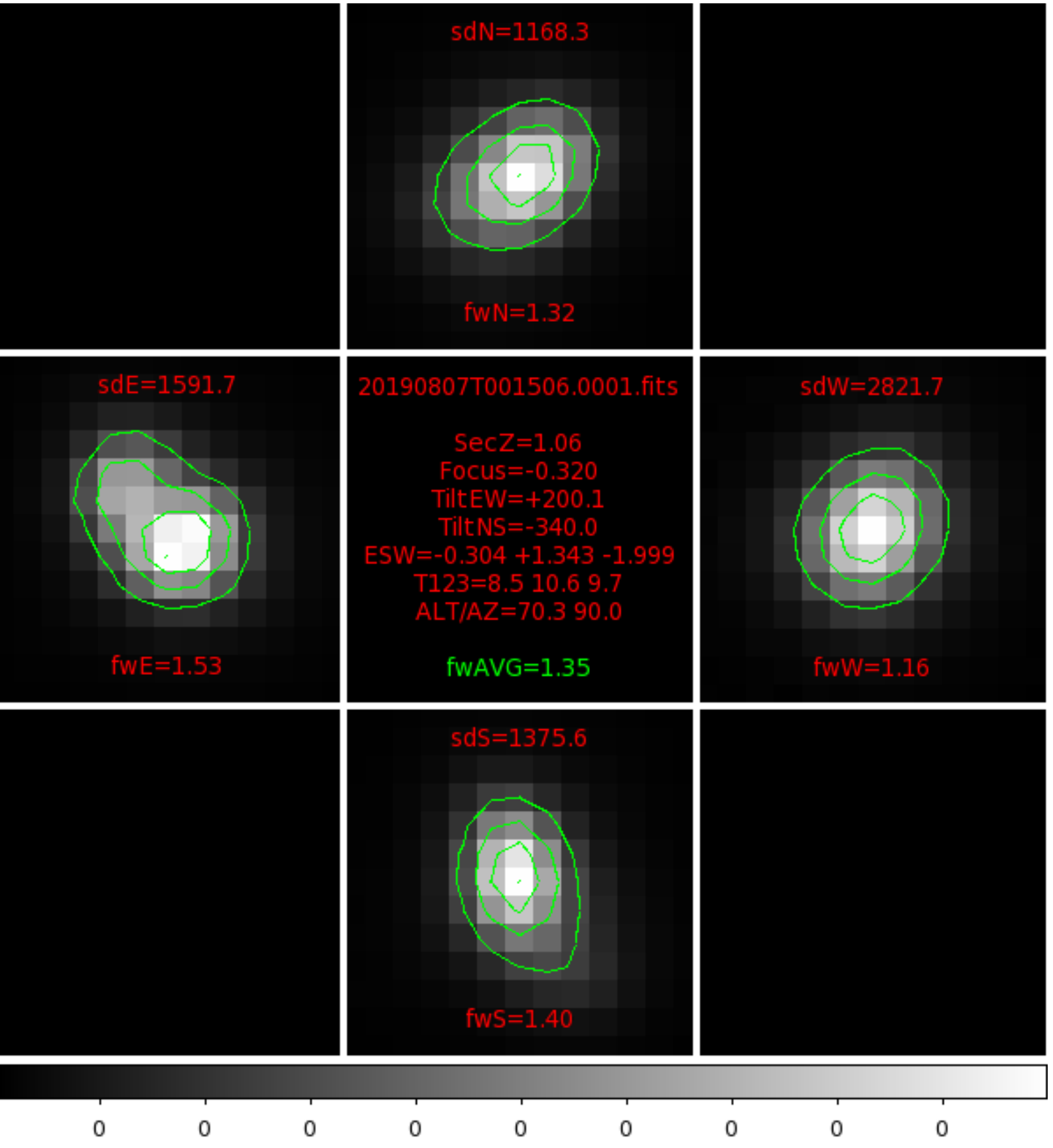
sdN=1168.3
fwN=1.32
sdE=1591.7
fwE=1.53
20190807T001506.0001.fits
SecZ=1.06
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=8.5 10.6 9.7
ALT/AZ=70.3 90.0
fwAVG=1.35
sdW=2821.7
fwW=1.16
sdS=1375.6
fwS=1.40
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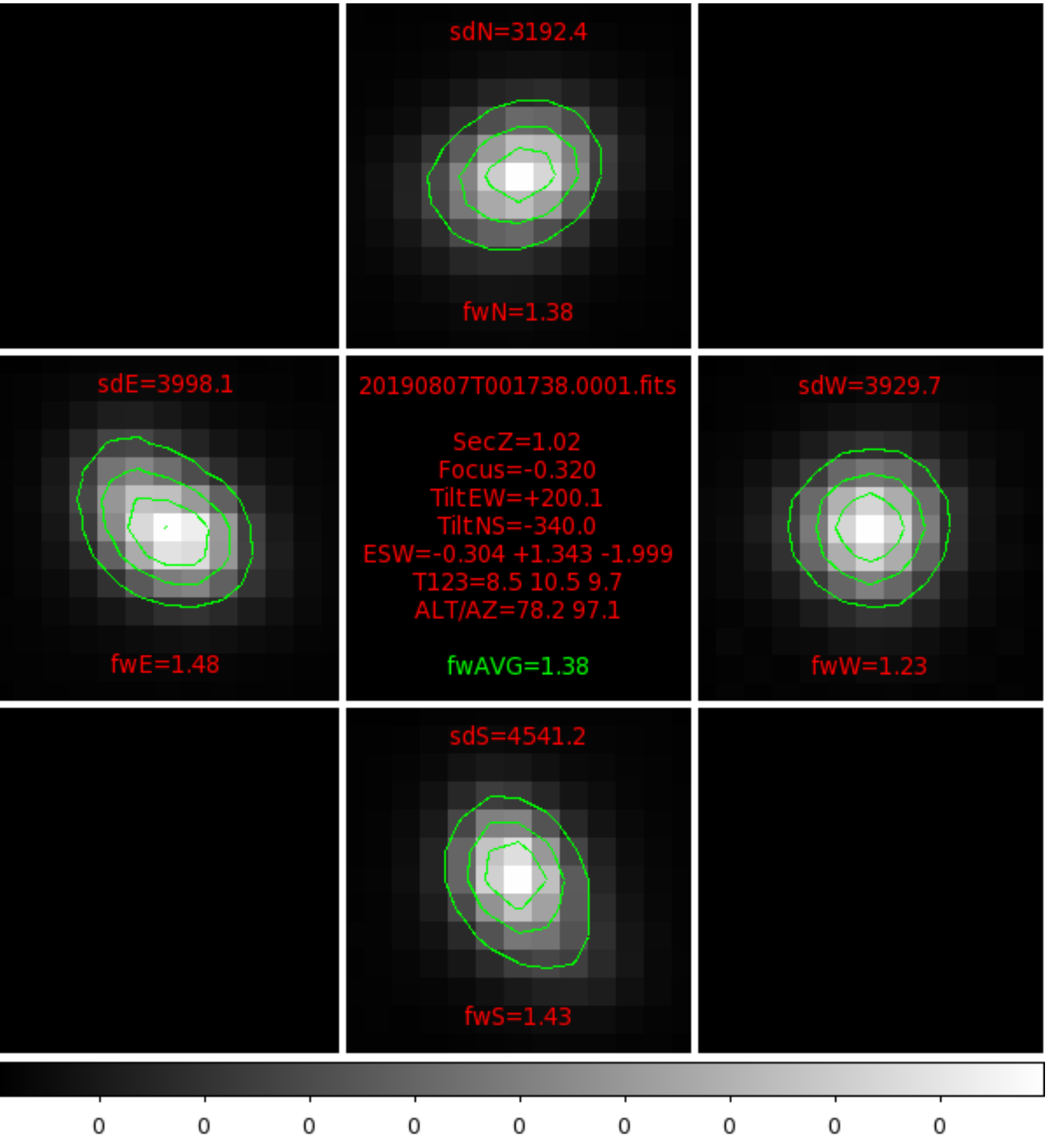
sdN=3192.4
fwN=1.38
sdE=3998.1
fwE=1.48
20190807T001738.0001.fits
SecZ=1.02
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=8.5 10.5 9.7
ALT/AZ=78.2 97.1
fwAVG=1.38
sdW=3929.7
fwW=1.23
sdS=4541.2
fwS=1.43
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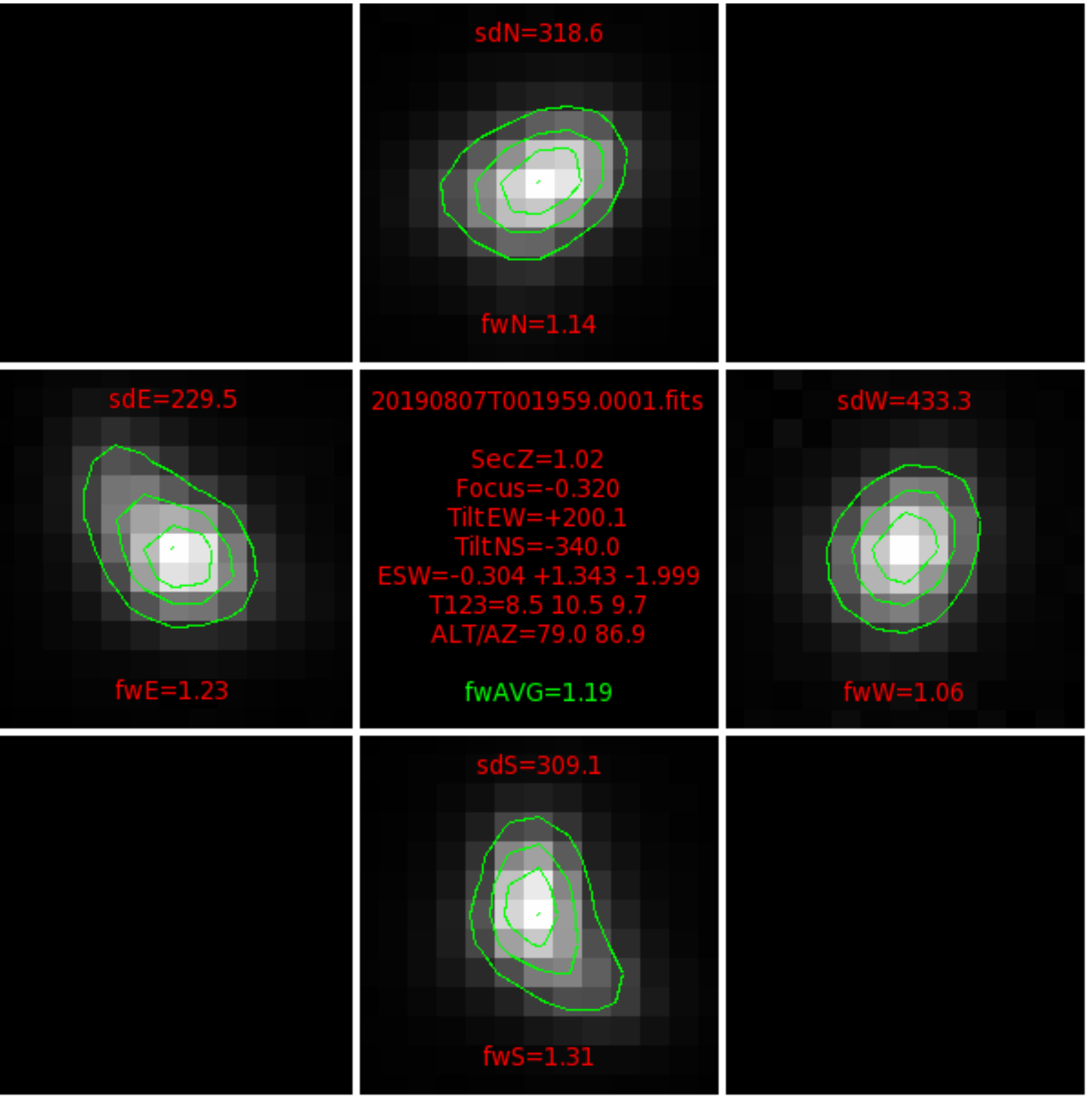
sdN=318.6
fwN=1.14
sdE=229.5
fwE=1.23
20190807T001959.0001.fits
SecZ=1.02
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=8.5 10.5 9.7
ALT/AZ=79.0 86.9
fwAVG=1.19
sdW=433.3
fwW=1.06
sdS=309.1
fwS=1.31
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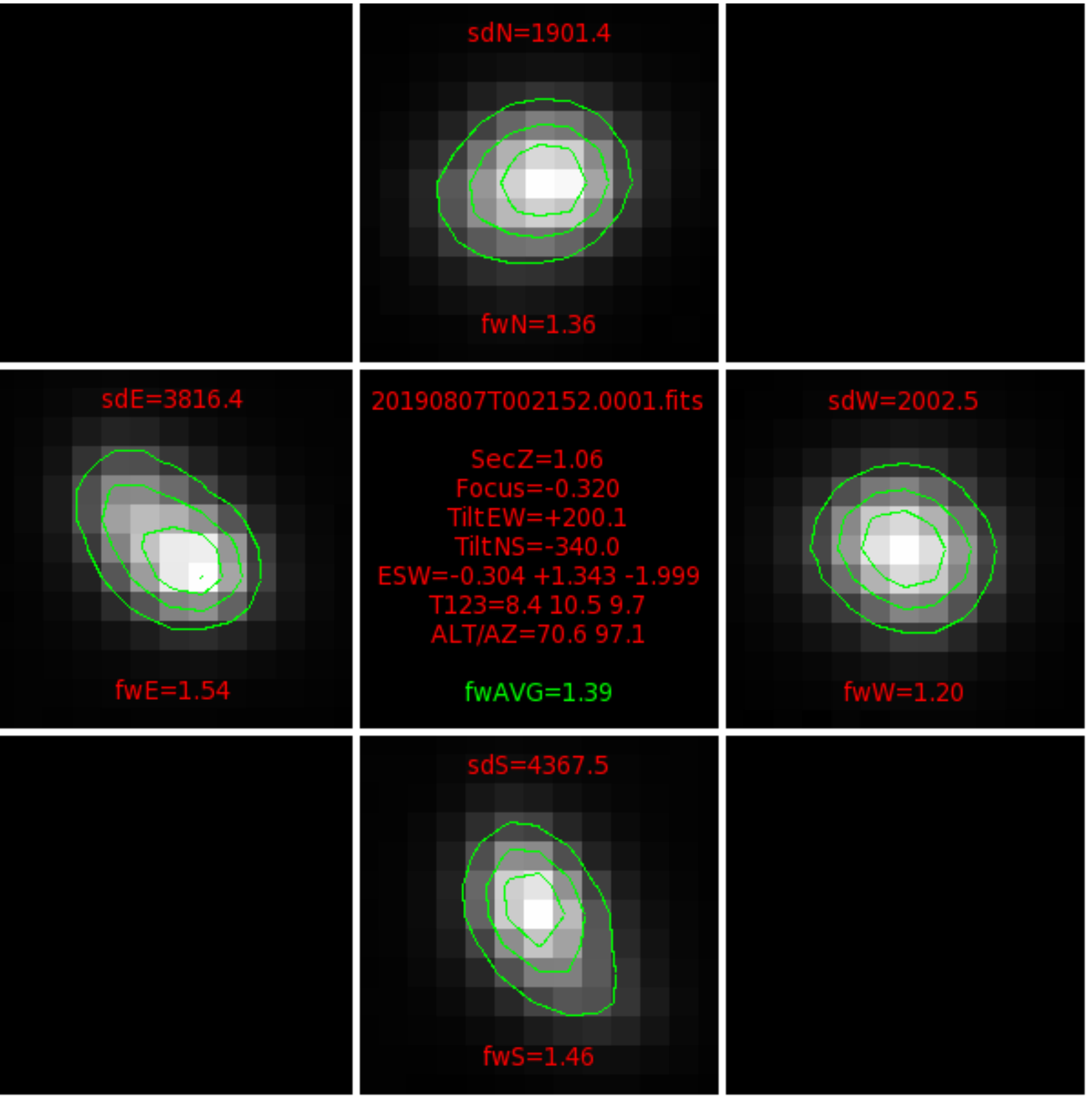
sdN=1901.4
fwN=1.36
sdE=3816.4
fwE=1.54
20190807T002152.0001.fits
SecZ=1.06
Focus=-0.320
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.304 +1.343 -1.999
T123=8.4 10.5 9.7
ALT/AZ=70.6 97.1
fwAVG=1.39
sdW=2002.5
fwW=1.20
sdS=4367.5
fwS=1.46
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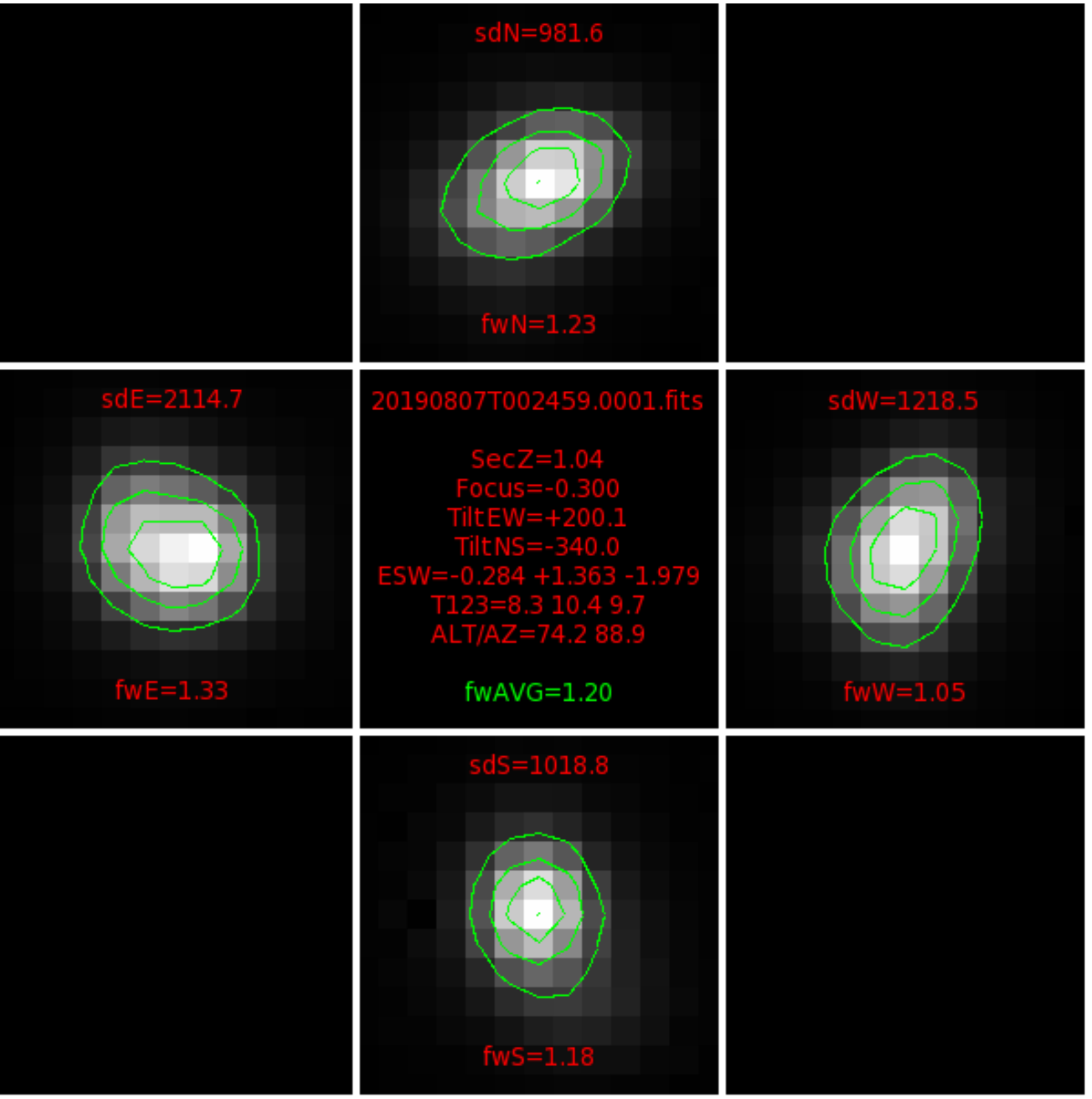
sdN=981.6
fwN=1.23
sdE=2114.7
fwE=1.33
20190807T002459.0001.fits
SecZ=1.04
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=8.3 10.4 9.7
ALT/AZ=74.2 88.9
fwAVG=1.20
sdW=1218.5
fwW=1.05
sdS=1018.8
fwS=1.18
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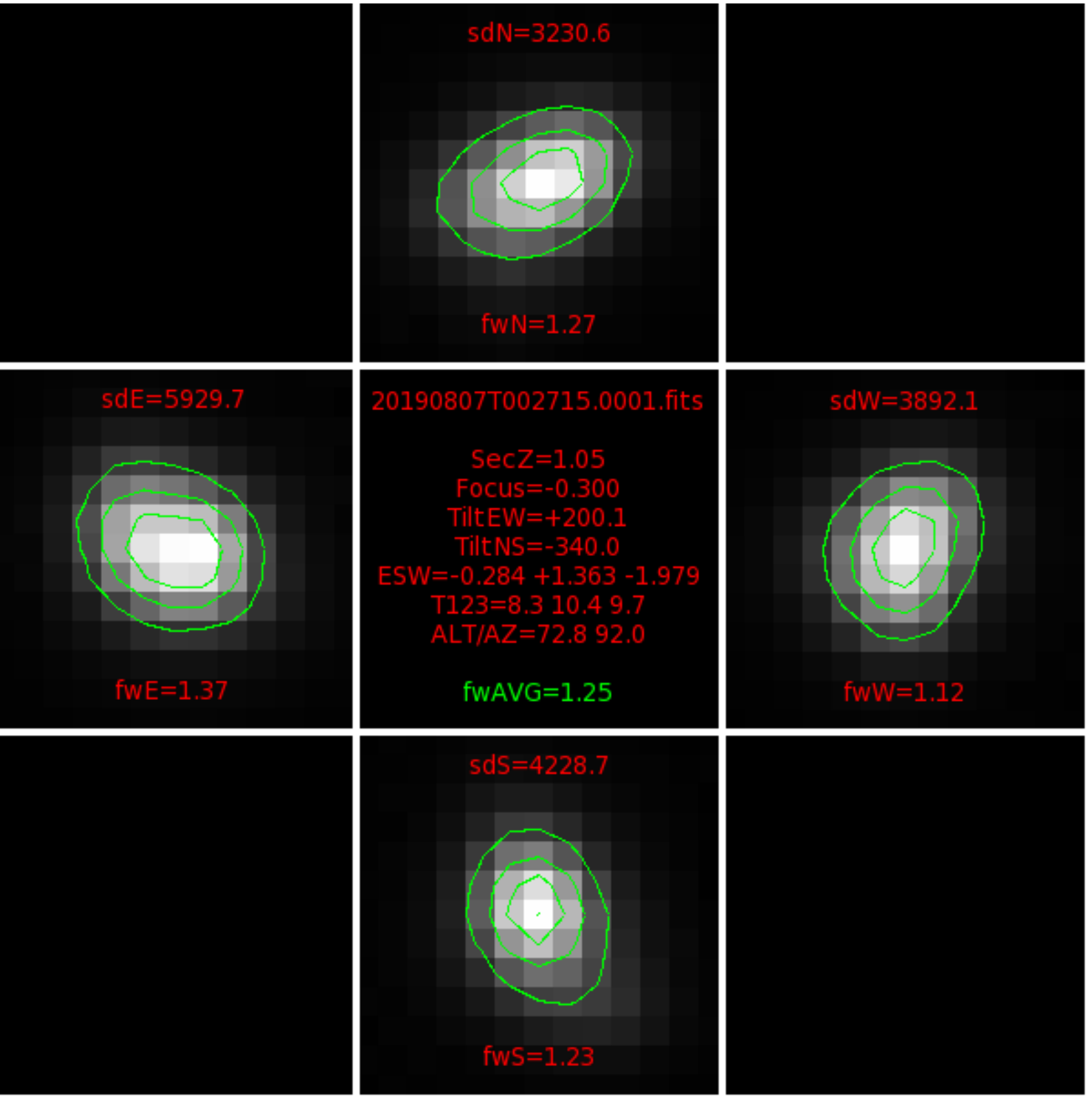
sdN=3230.6
fwN=1.27
sdE=5929.7
fwE=1.37
20190807T002715.0001.fits
SecZ=1.05
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=8.3 10.4 9.7
ALT/AZ=72.8 92.0
fwAVG=1.25
sdW=3892.1
fwW=1.12
sdS=4228.7
fwS=1.23
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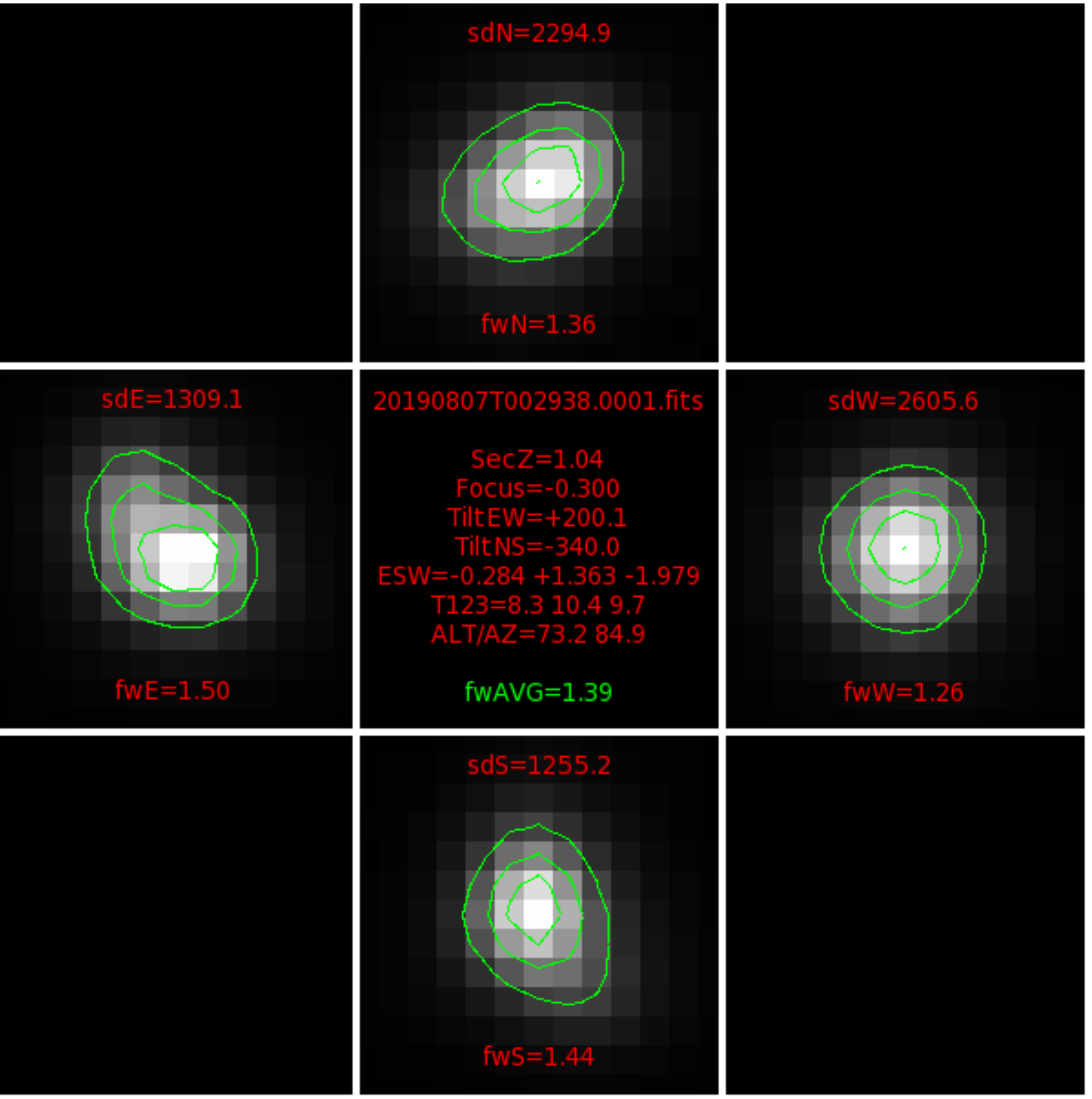
sdN=2294.9
fwN=1.36
sdE=1309.1
fwE=1.50
20190807T002938.0001.fits
SecZ=1.04
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=8.3 10.4 9.7
ALT/AZ=73.2 84.9
fwAVG=1.39
sdW=2605.6
fwW=1.26
sdS=1255.2
fwS=1.44
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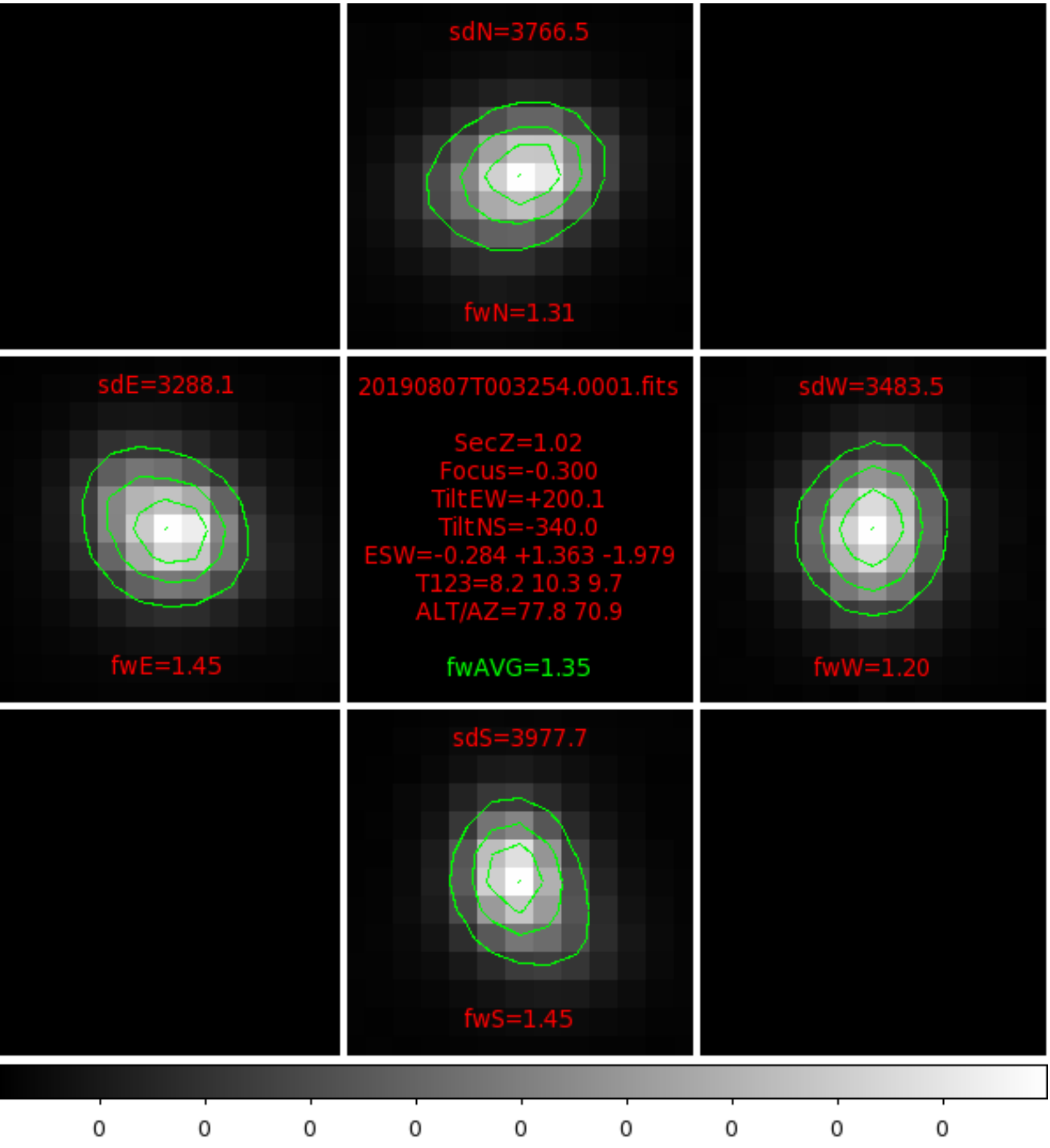
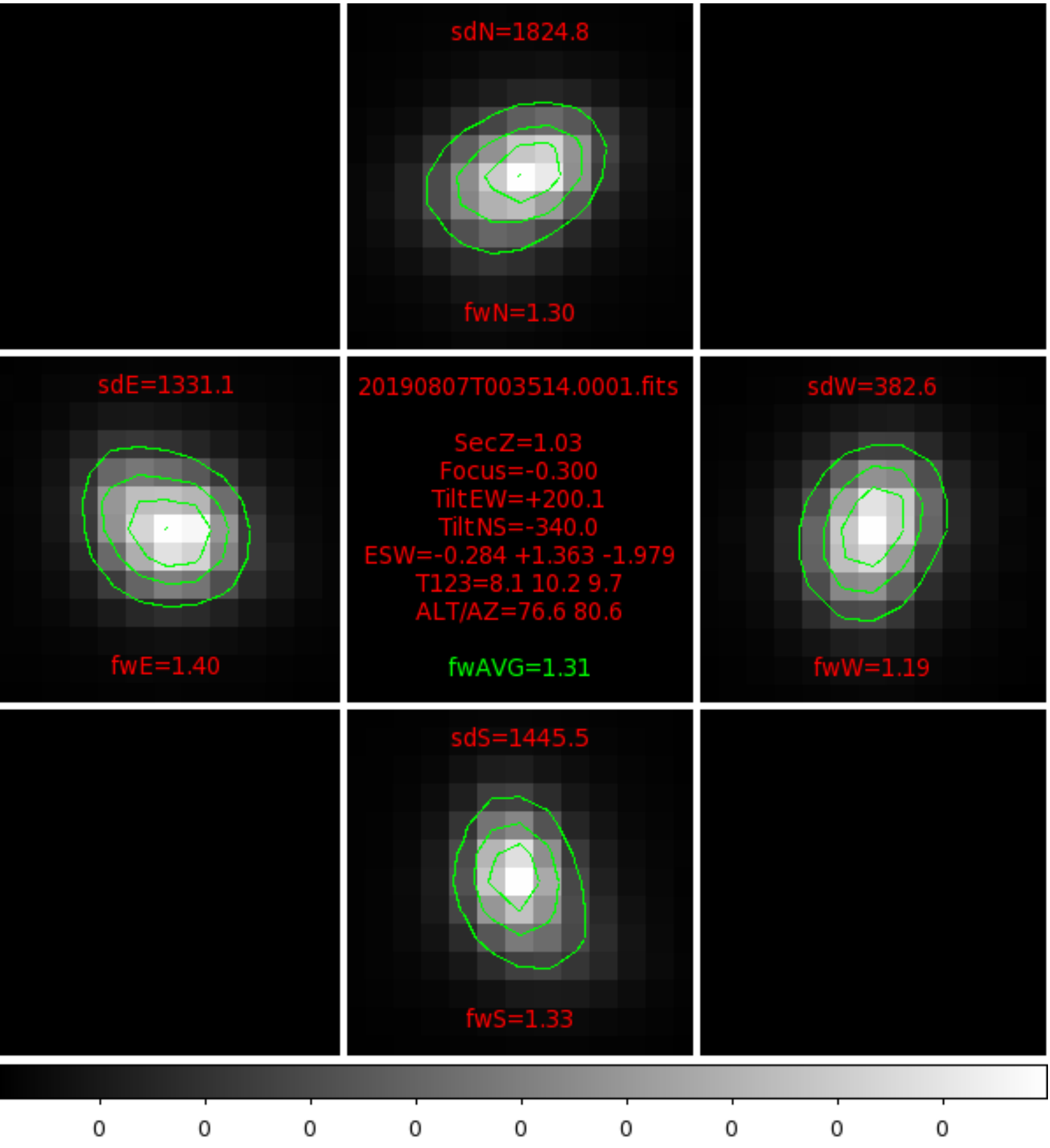

sdN=3766.5
fwN=1.31
sdE=3288.1
fwE=1.45
20190807T003254.0001.fits
SecZ=1.02
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=8.2 10.3 9.7
ALT/AZ=77.8 70.9
fwAVG=1.35
sdW=3483.5
fwW=1.20
sdS=3977.7
fwS=1.45
0 0 0 0 0 0 0 0 0


sdN=1824.8
fwN=1.30
sdE=1331.1
fwE=1.40
20190807T003514.0001.fits
SecZ=1.03
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=8.1 10.2 9.7
ALT/AZ=76.6 80.6
fwAVG=1.31
sdW=382.6
fwW=1.19
sdS=1445.5
fwS=1.33
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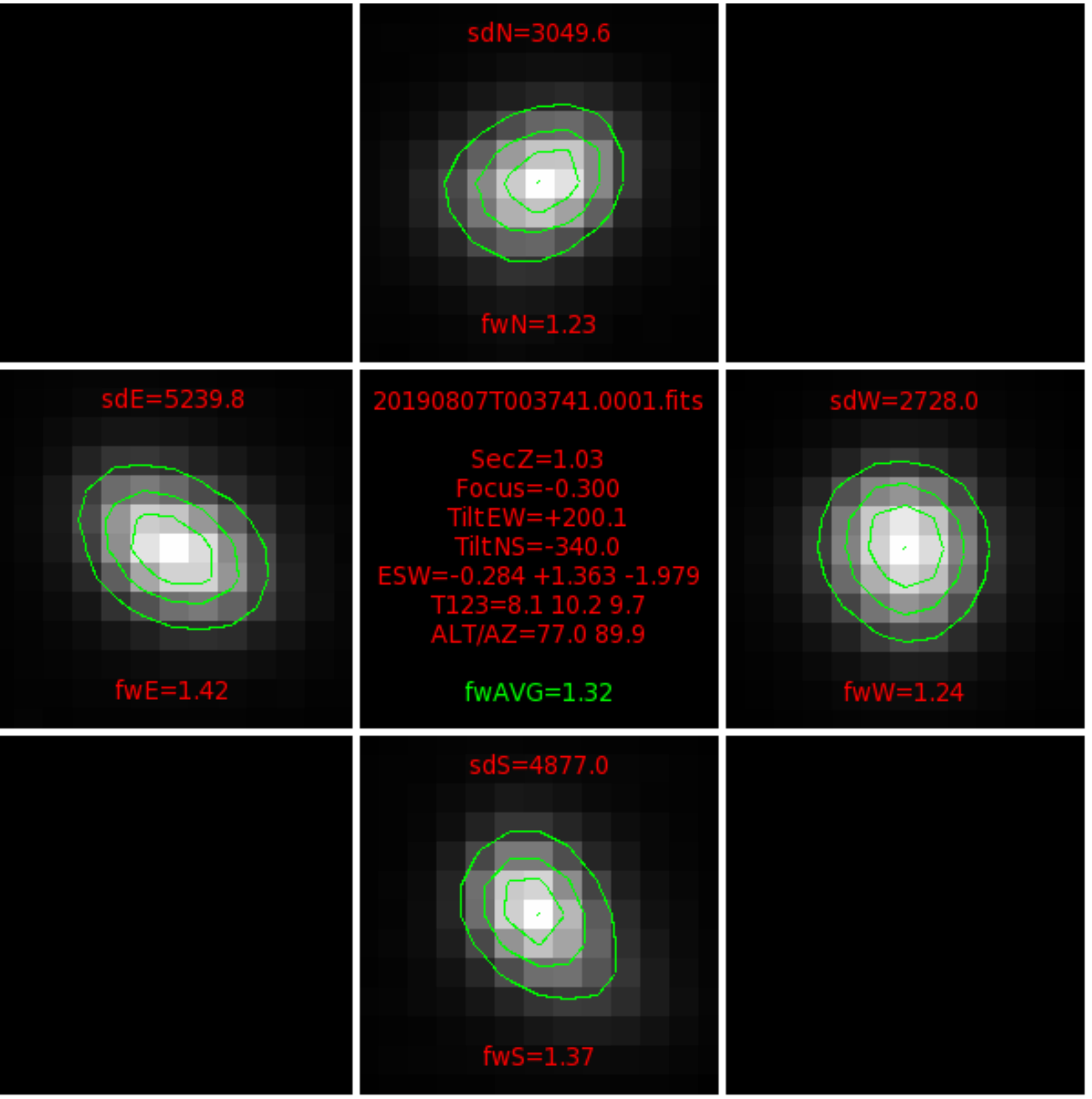
sdN=3049.6
fwN=1.23
sdE=5239.8
fwE=1.42
20190807T003741.0001.fits
SecZ=1.03
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=8.1 10.2 9.7
ALT/AZ=77.0 89.9
fwAVG=1.32
sdW=2728.0
fwW=1.24
sdS=4877.0
fwS=1.37
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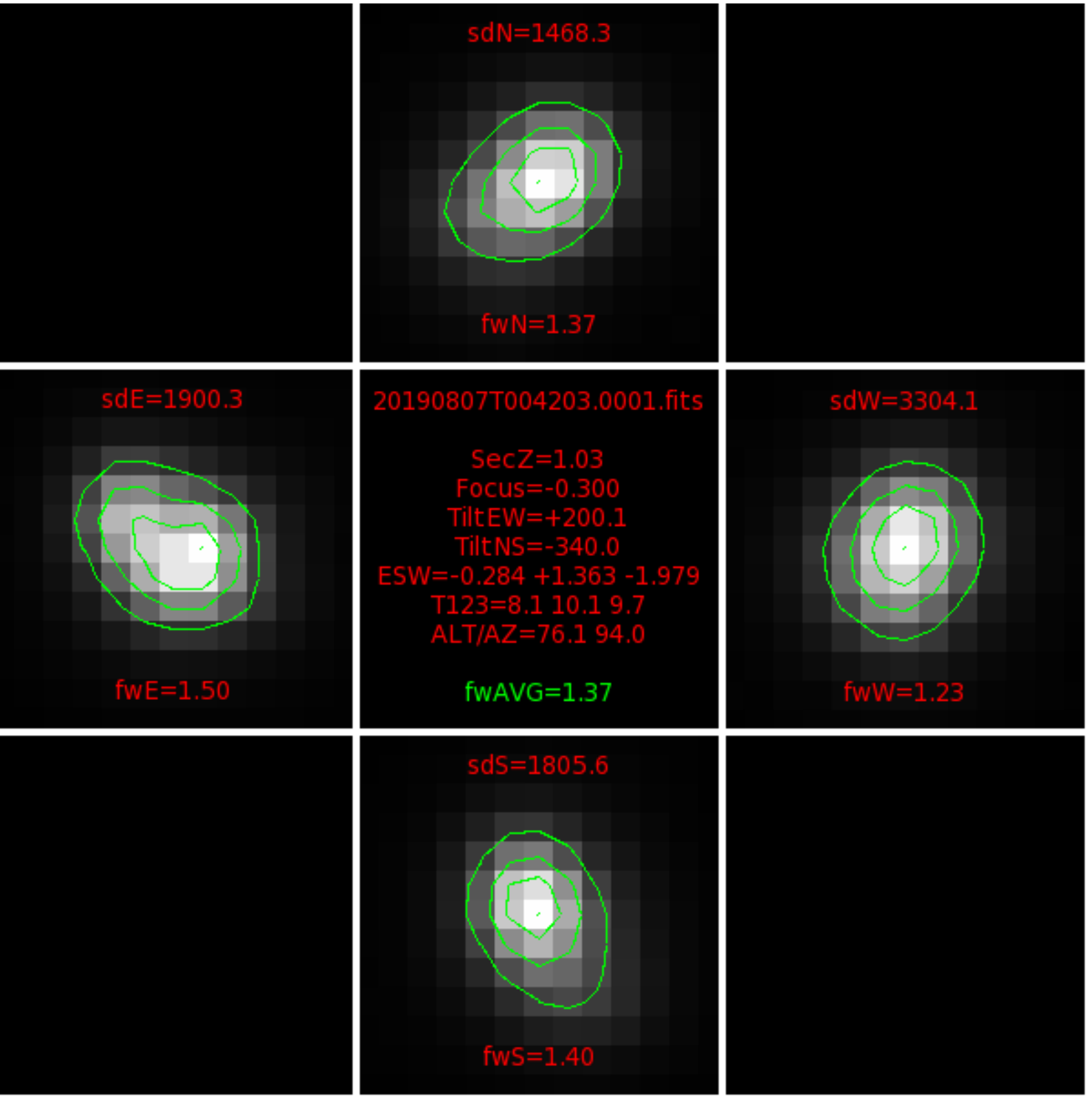
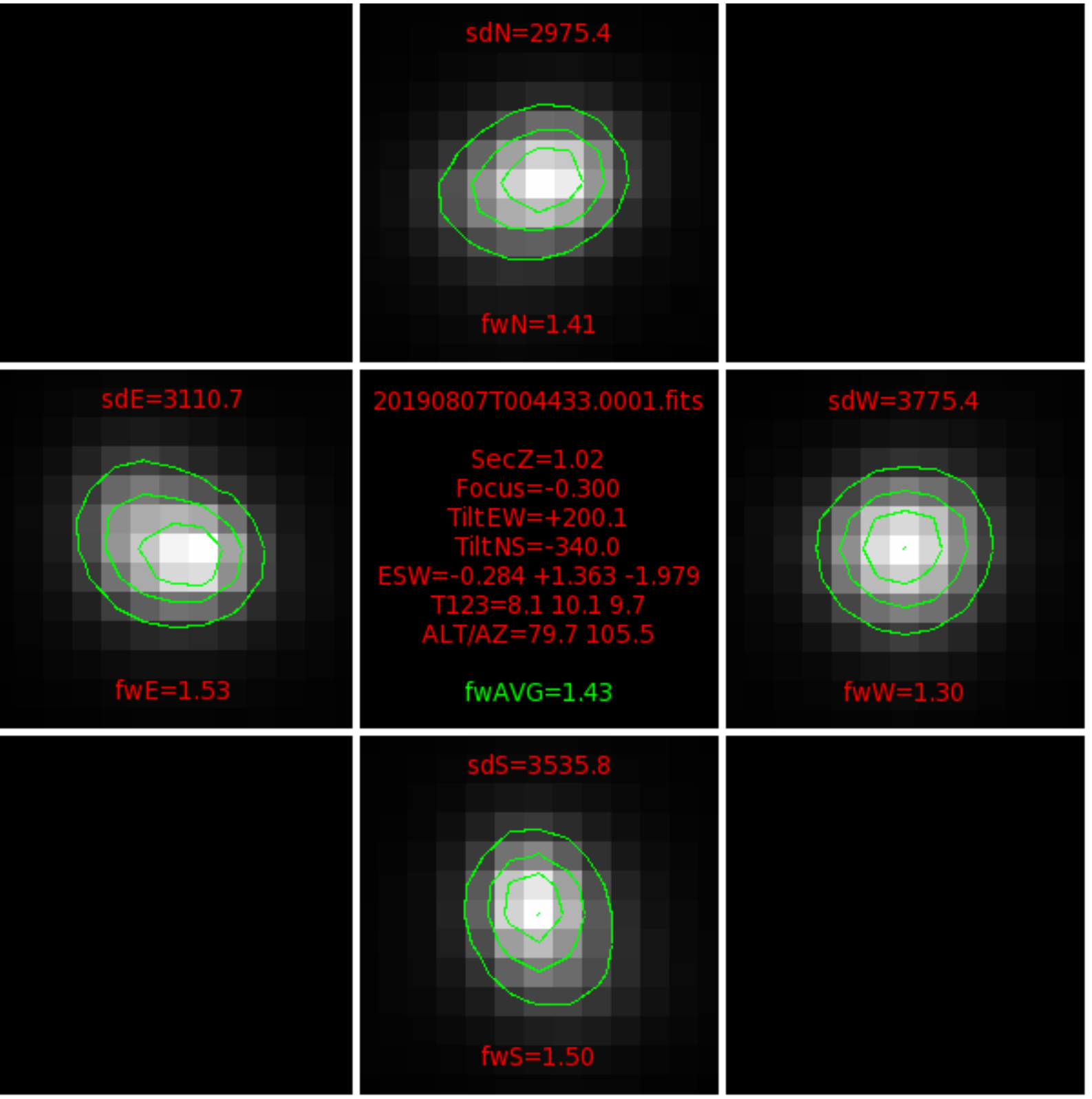

sdN=1468.3
fwN=1.37
sdE=1900.3
fwE=1.50
20190807T004203.0001.fits
SecZ=1.03
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=8.1 10.1 9.7
ALT/AZ=76.1 94.0
fwAVG=1.37
sdW=3304.1
fwW=1.23
sdS=1805.6
fwS=1.40
0 0 0 0 0 0 0 0 0


sdN=2975.4
fwN=1.41
sdE=3110.7
fwE=1.53
20190807T004433.0001.fits
SecZ=1.02
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=8.1 10.1 9.7
ALT/AZ=79.7 105.5
fwAVG=1.43
sdW=3775.4
fwW=1.30
sdS=3535.8
fwS=1.50
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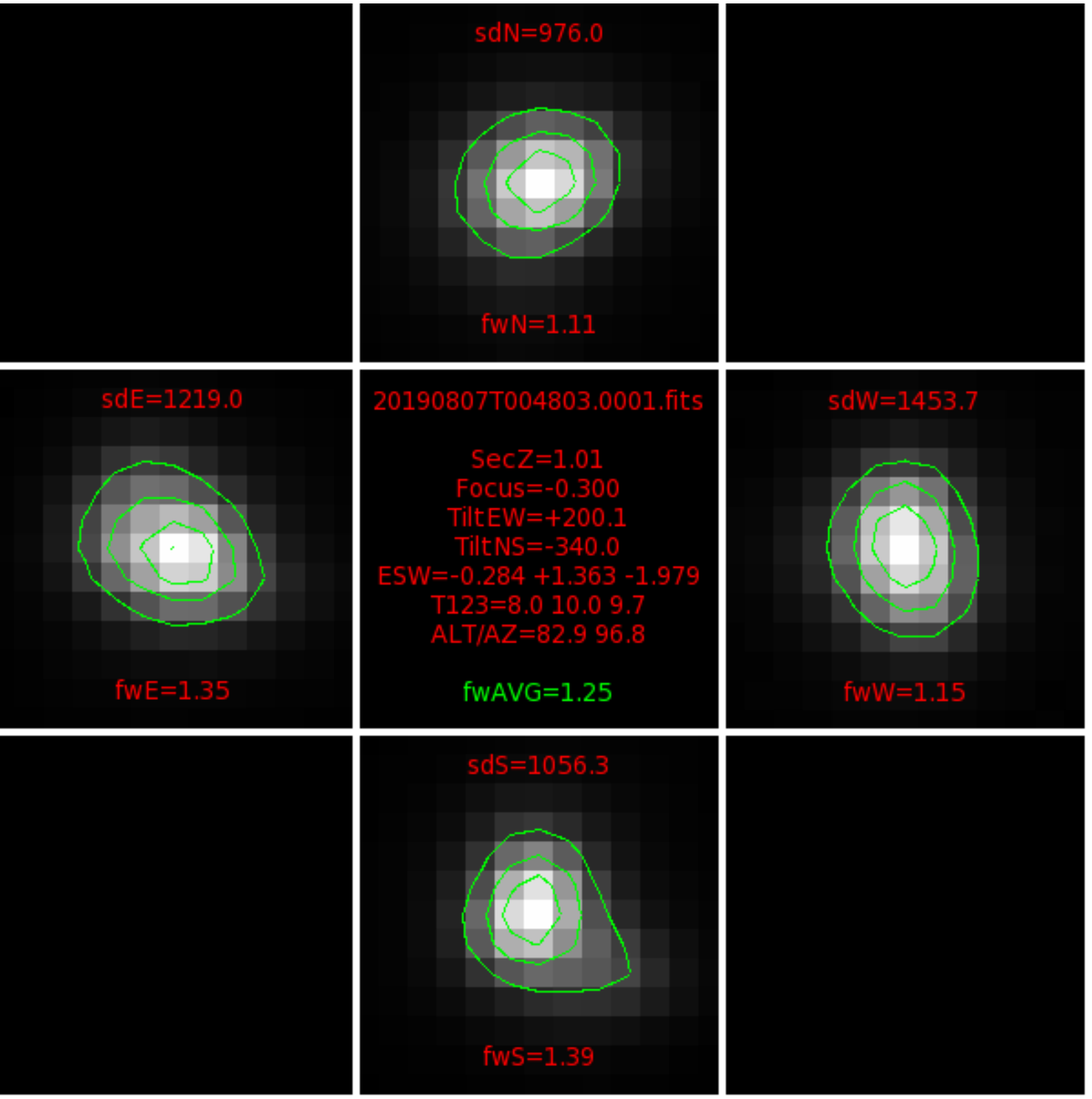
sdN=976.0
fwN=1.11
sdE=1219.0
fwE=1.35
20190807T004803.0001.fits
SecZ=1.01
Focus=-0.300
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.284 +1.363 -1.979
T123=8.0 10.0 9.7
ALT/AZ=82.9 96.8
fwAVG=1.25
sdW=1453.7
fwW=1.15
sdS=1056.3
fwS=1.39
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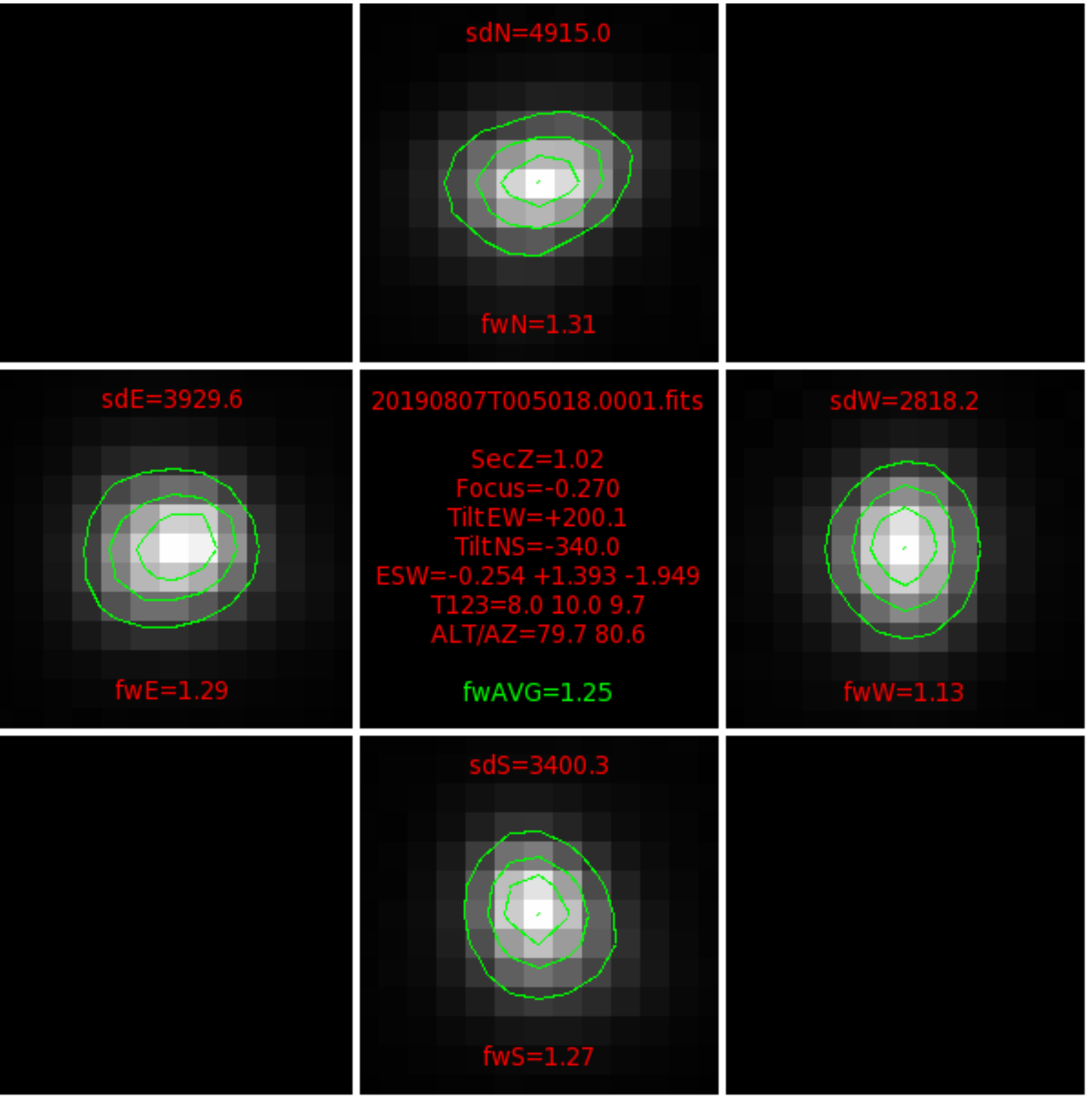
sdN=4915.0
fwN=1.31
sdE=3929.6
fwE=1.29
20190807T005018.0001.fits
SecZ=1.02
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 10.0 9.7
ALT/AZ=79.7 80.6
fwAVG=1.25
sdW=2818.2
fwW=1.13
sdS=3400.3
fwS=1.27
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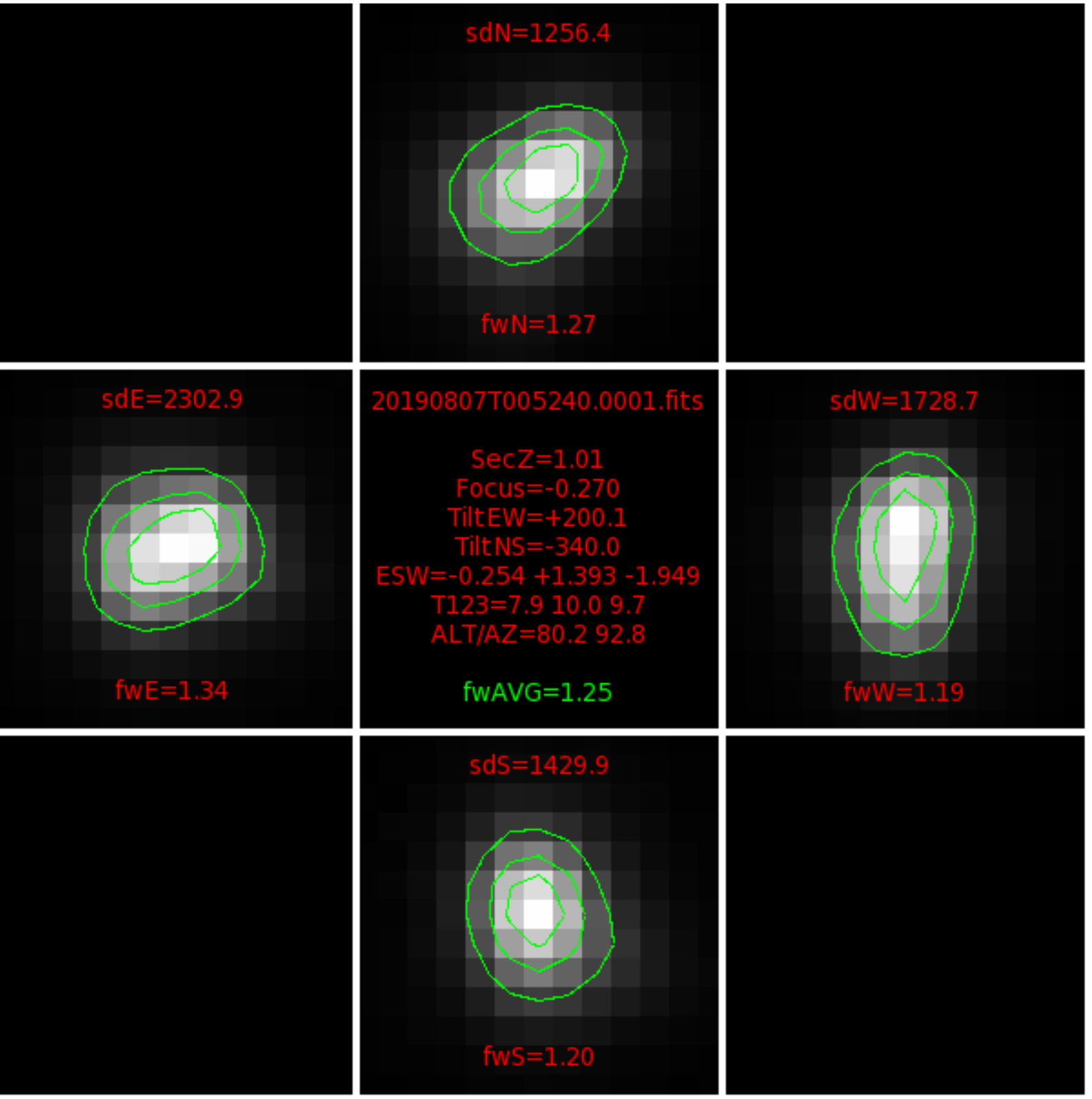
sdN=1256.4
fwN=1.27
sdE=2302.9
fwE=1.34
20190807T005240.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.9 10.0 9.7
ALT/AZ=80.2 92.8
fwAVG=1.25
sdW=1728.7
fwW=1.19
sdS=1429.9
fwS=1.20
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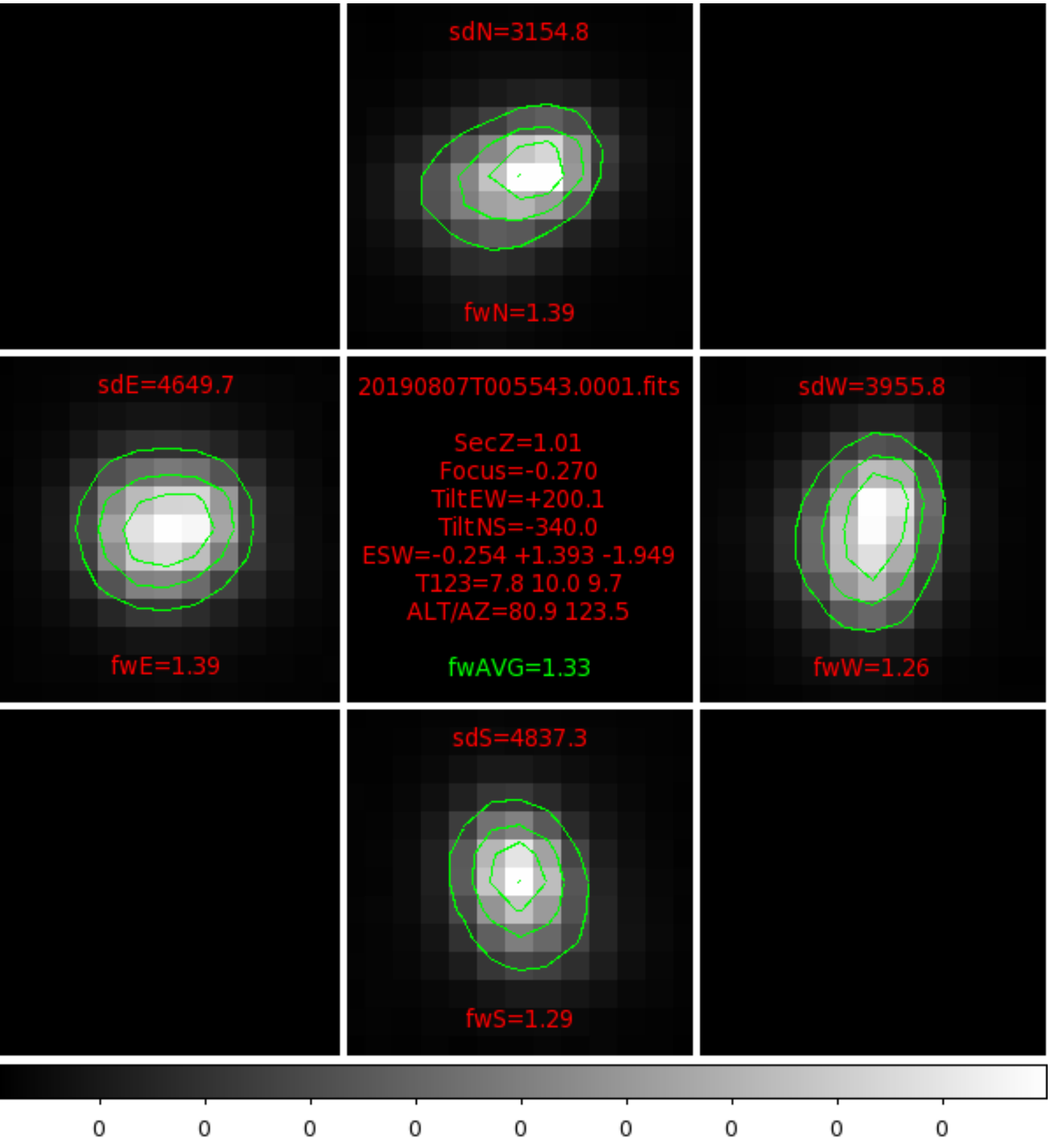
sdN=3154.8
fwN=1.39
sdE=4649.7
fwE=1.39
20190807T005543.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 10.0 9.7
ALT/AZ=80.9 123.5
fwAVG=1.33
sdW=3955.8
fwW=1.26
sdS=4837.3
fwS=1.29
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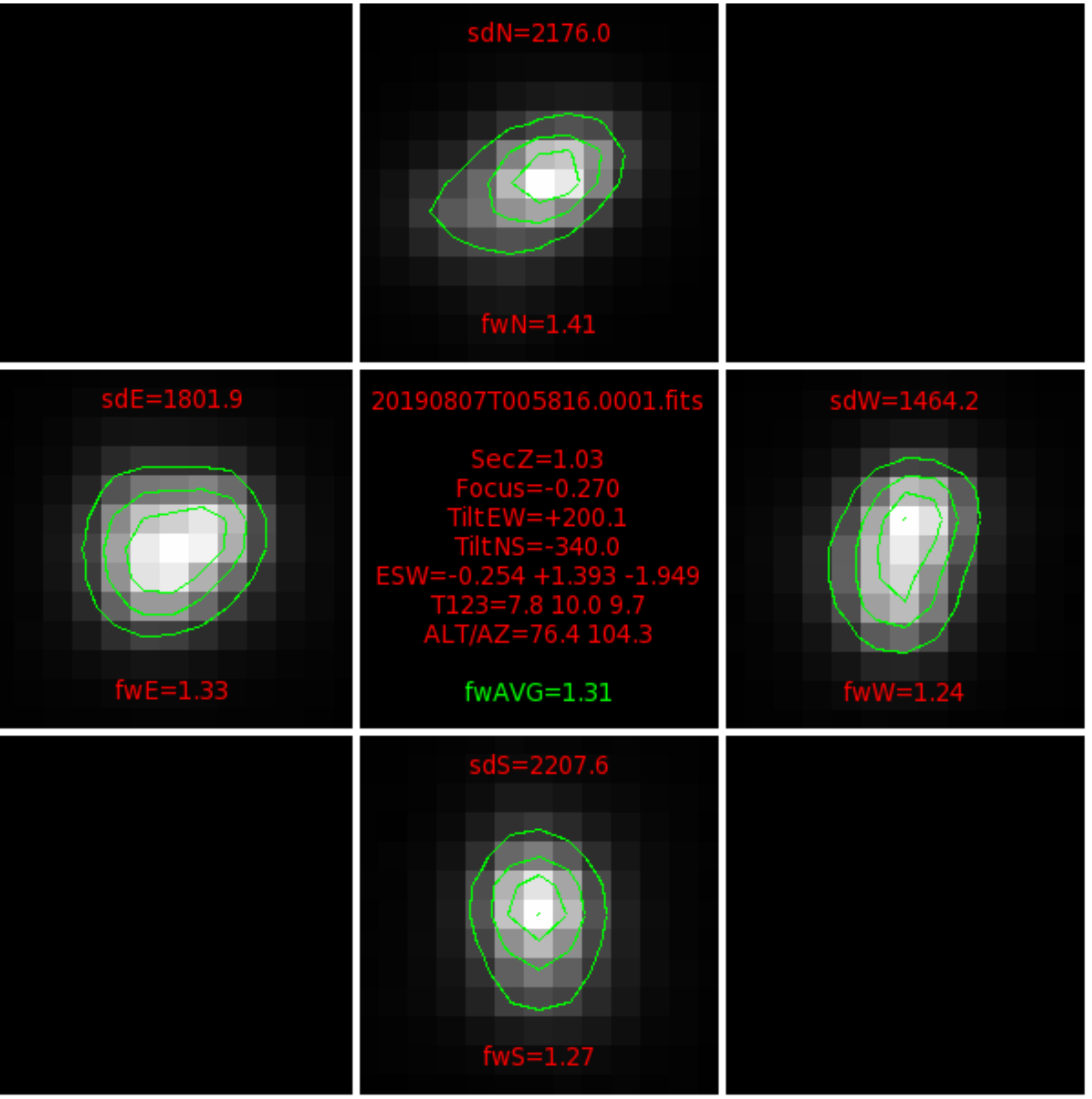
sdN=2176.0
fwN=1.41
sdE=1801.9
fwE=1.33
20190807T005816.0001.fits
SecZ=1.03
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 10.0 9.7
ALT/AZ=76.4 104.3
fwAVG=1.31
sdW=1464.2
fwW=1.24
sdS=2207.6
fwS=1.27
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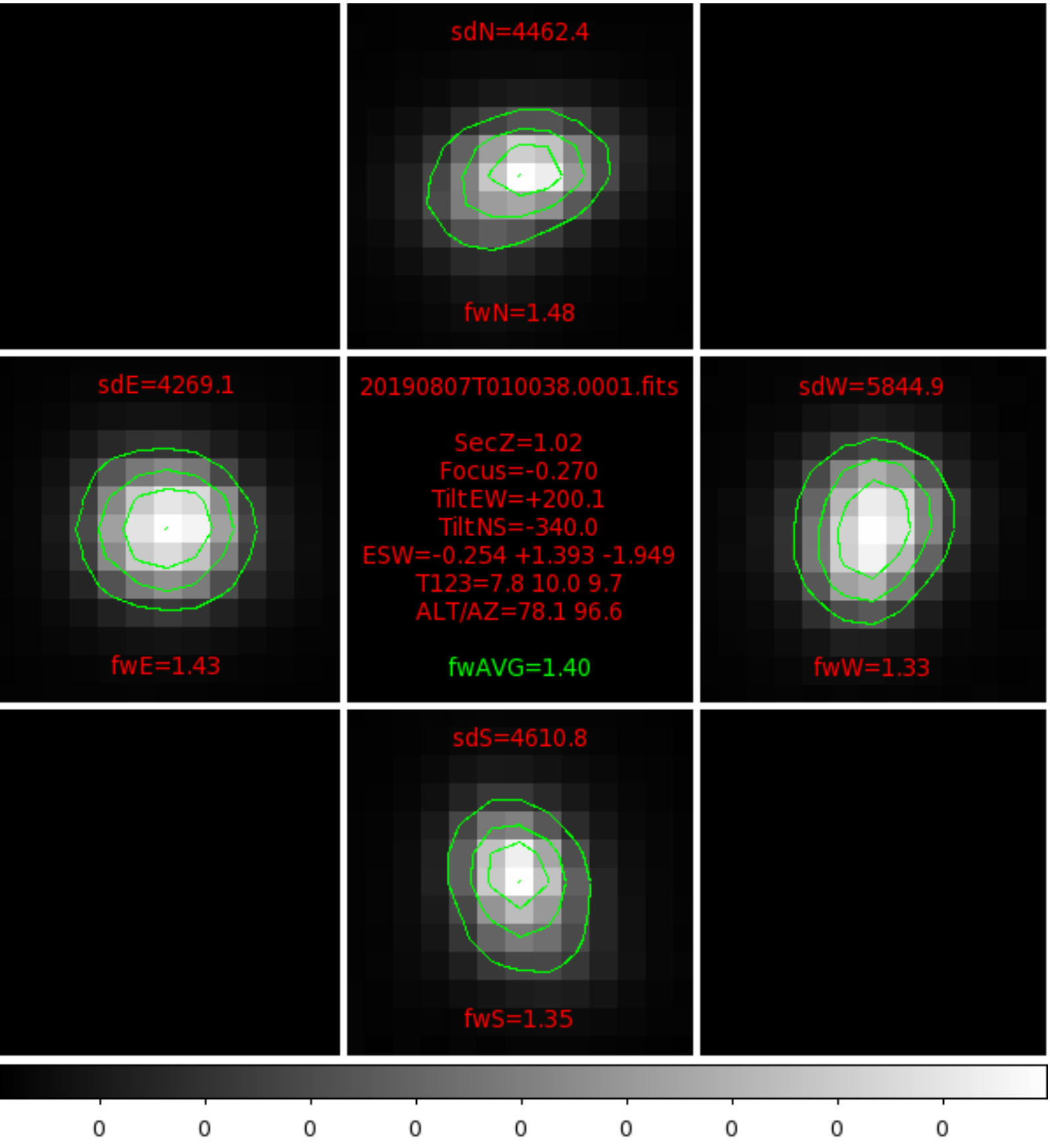
sdN=4462.4
fwN=1.48
sdE=4269.1
fwE=1.43
20190807T010038.0001.fits
SecZ=1.02
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 10.0 9.7
ALT/AZ=78.1 96.6
fwAVG=1.40
sdW=5844.9
fwW=1.33
sdS=4610.8
fwS=1.35
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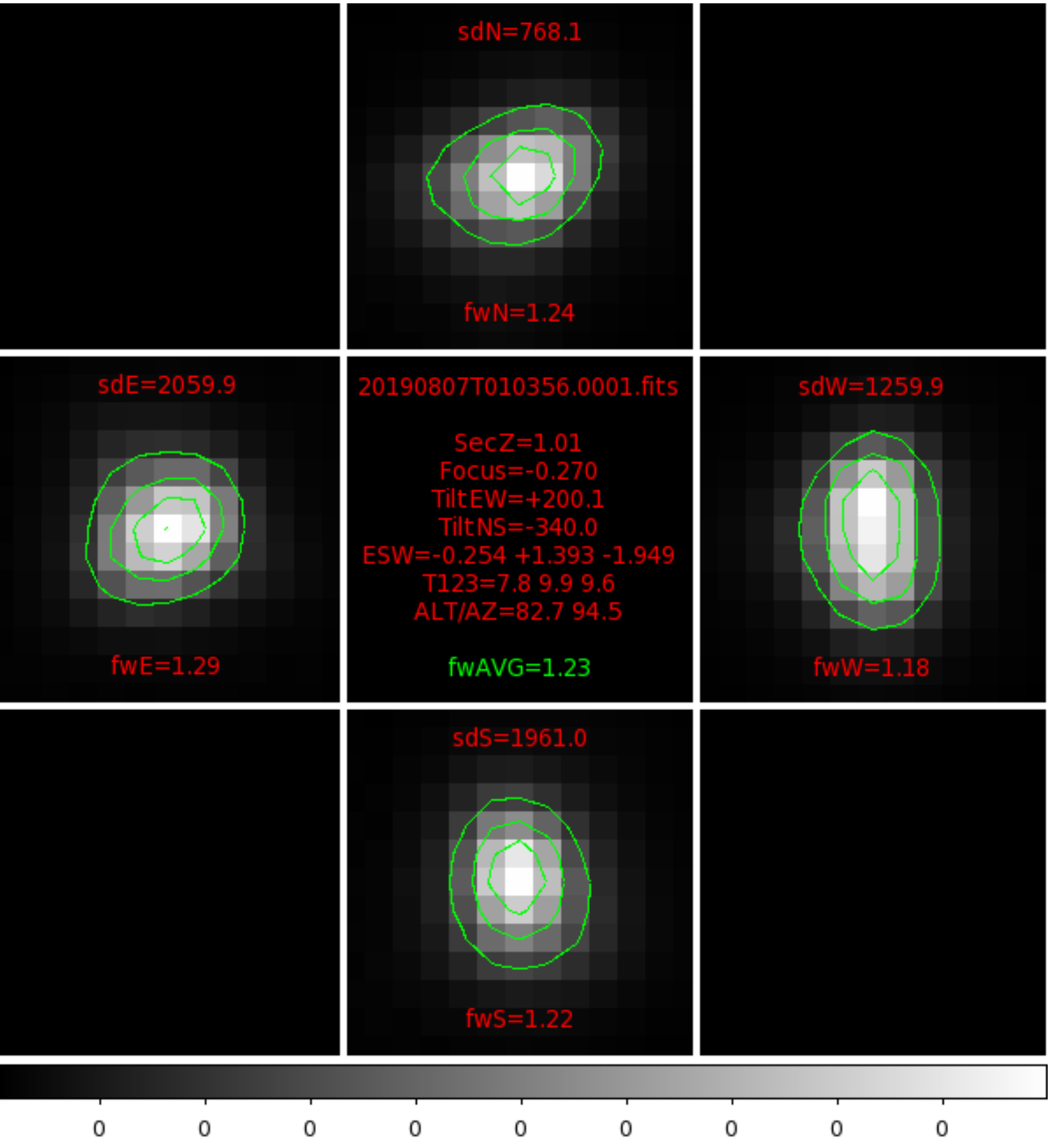
sdN=768.1
fwN=1.24
sdE=2059.9
fwE=1.29
20190807T010356.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 9.9 9.6
ALT/AZ=82.7 94.5
fwAVG=1.23
sdW=1259.9
fwW=1.18
sdS=1961.0
fwS=1.22
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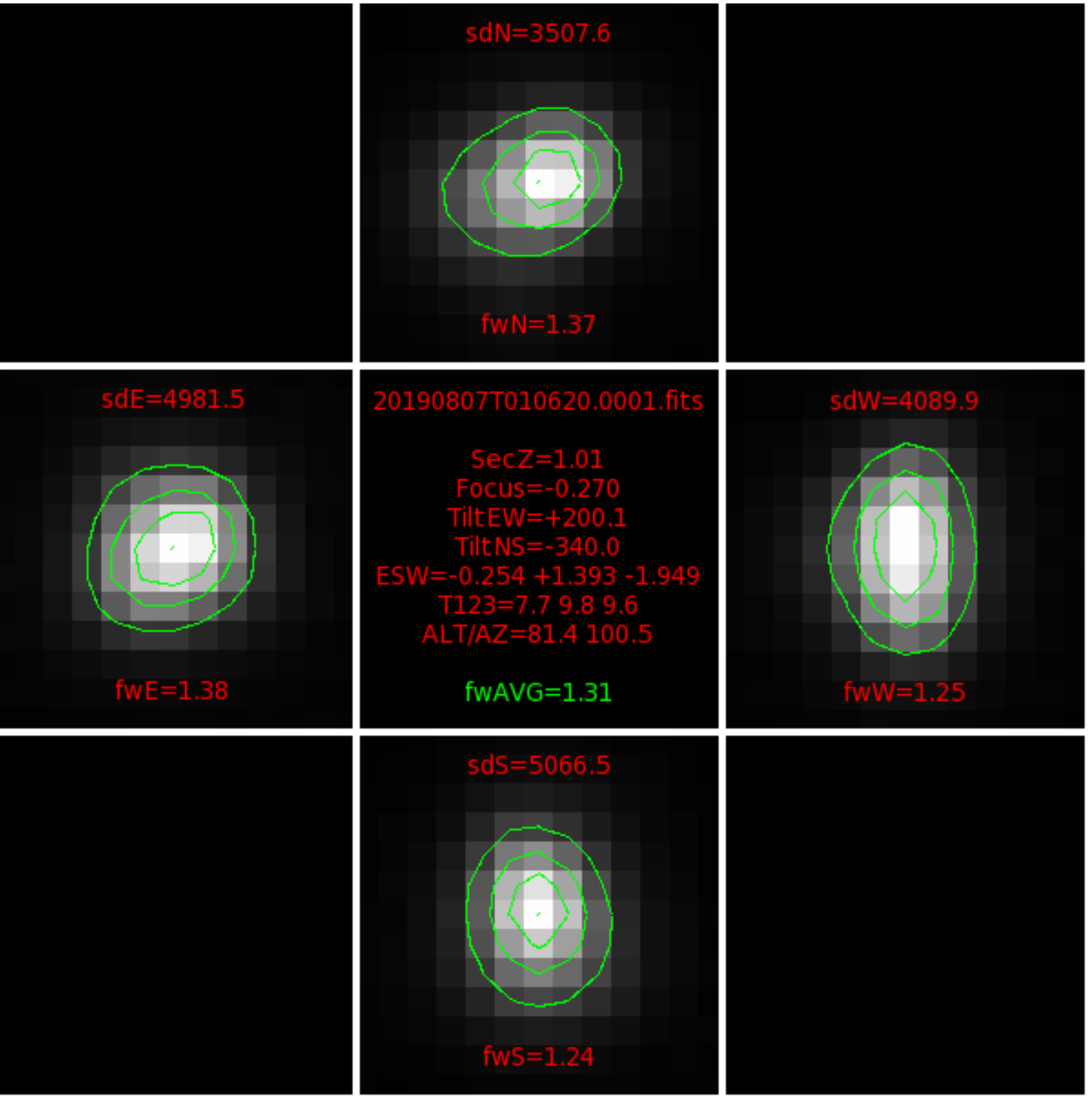
sdN=3507.6
fwN=1.37
sdE=4981.5
fwE=1.38
20190807T010620.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.7 9.8 9.6
ALT/AZ=81.4 100.5
fwAVG=1.31
sdW=4089.9
fwW=1.25
sdS=5066.5
fwS=1.24
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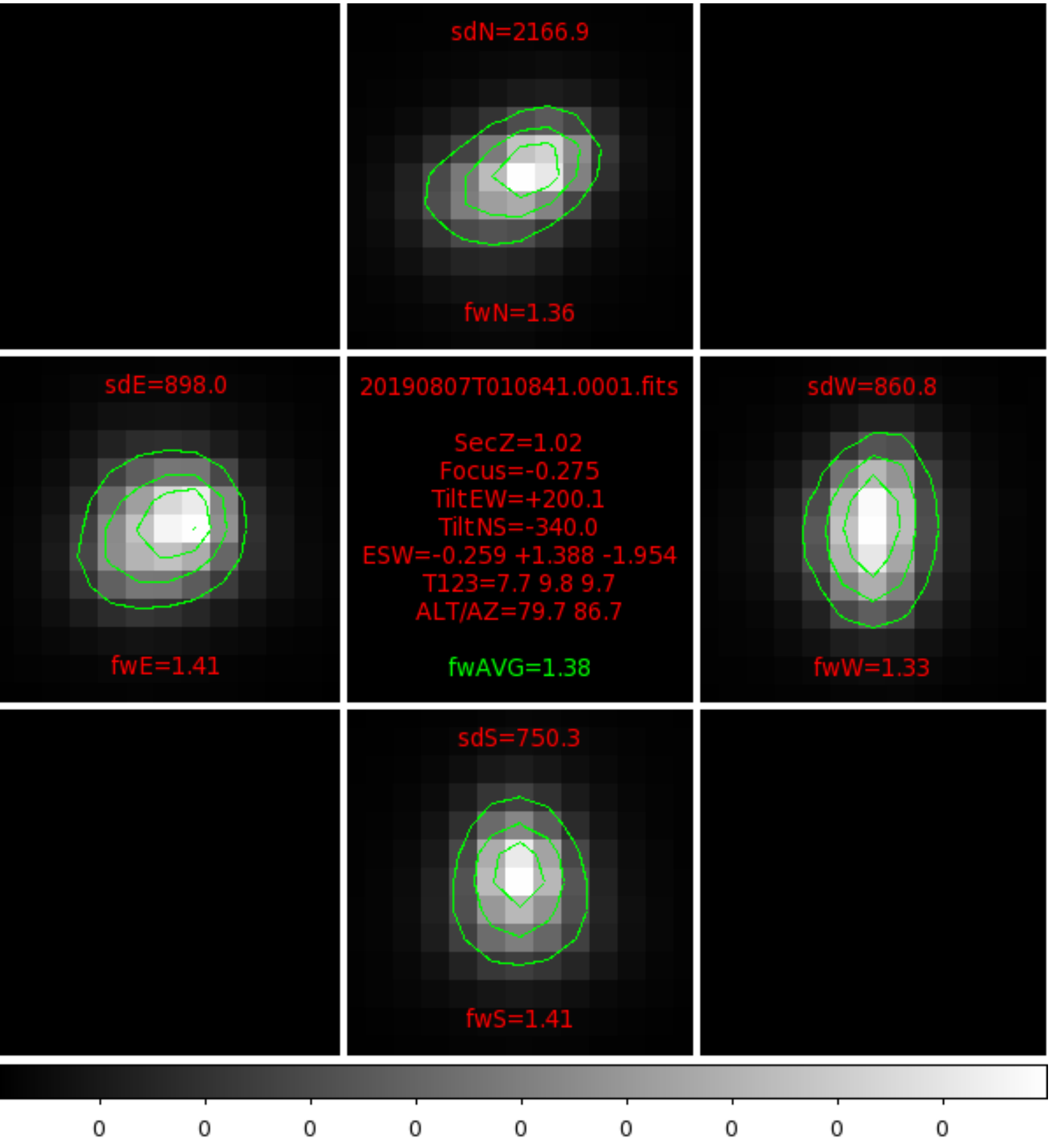
sdN=2166.9
fwN=1.36
sdE=898.0
fwE=1.41
20190807T010841.0001.fits
SecZ=1.02
Focus=-0.275
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.259 +1.388 -1.954
T123=7.7 9.8 9.7
ALT/AZ=79.7 86.7
fwAVG=1.38
sdW=860.8
fwW=1.33
sdS=750.3
fwS=1.41
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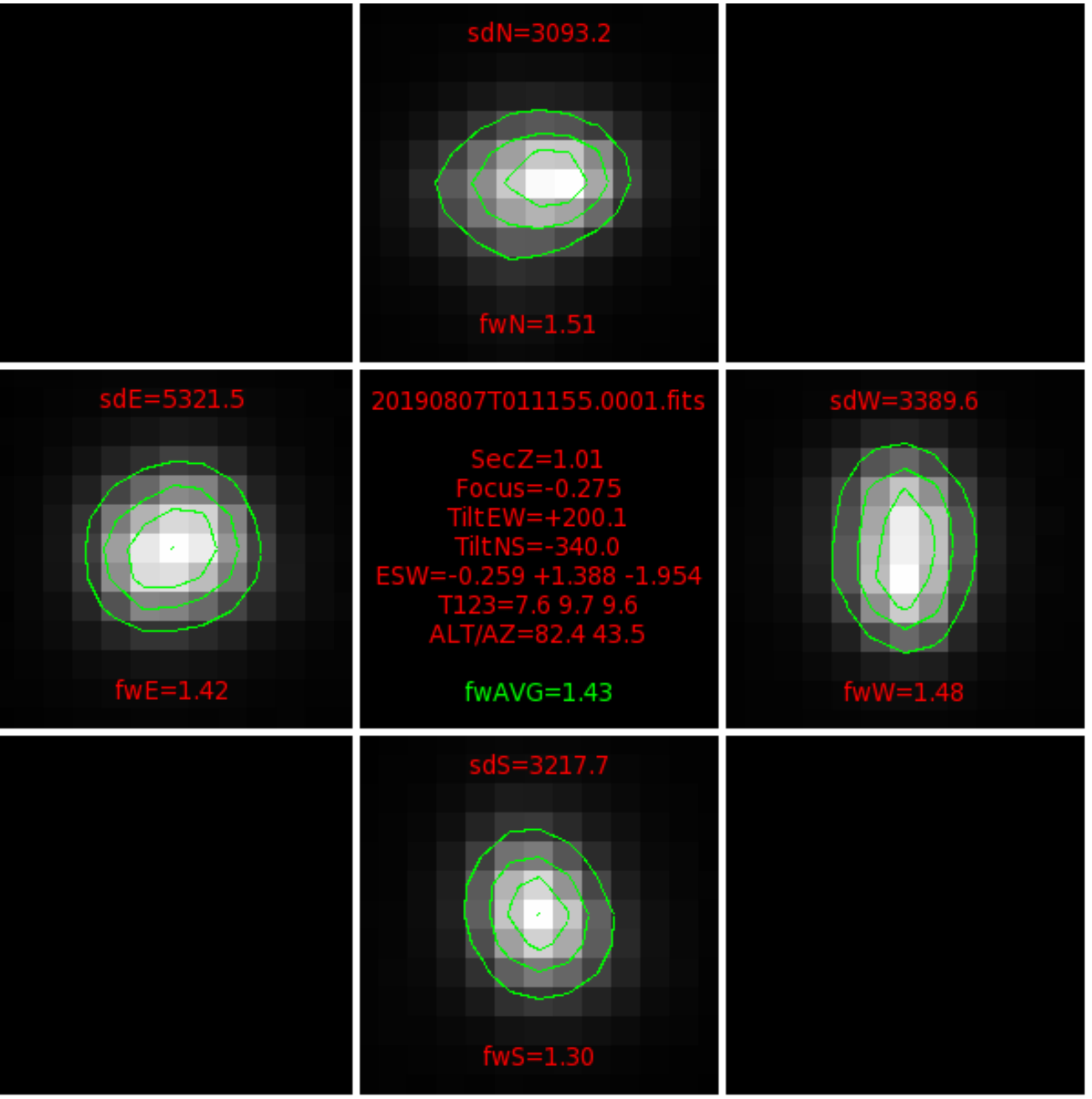
sdN=3093.2
fwN=1.51
sdE=5321.5
fwE=1.42
20190807T011155.0001.fits
SecZ=1.01
Focus=-0.275
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.259 +1.388 -1.954
T123=7.6 9.7 9.6
ALT/AZ=82.4 43.5
fwAVG=1.43
sdW=3389.6
fwW=1.48
sdS=3217.7
fwS=1.30
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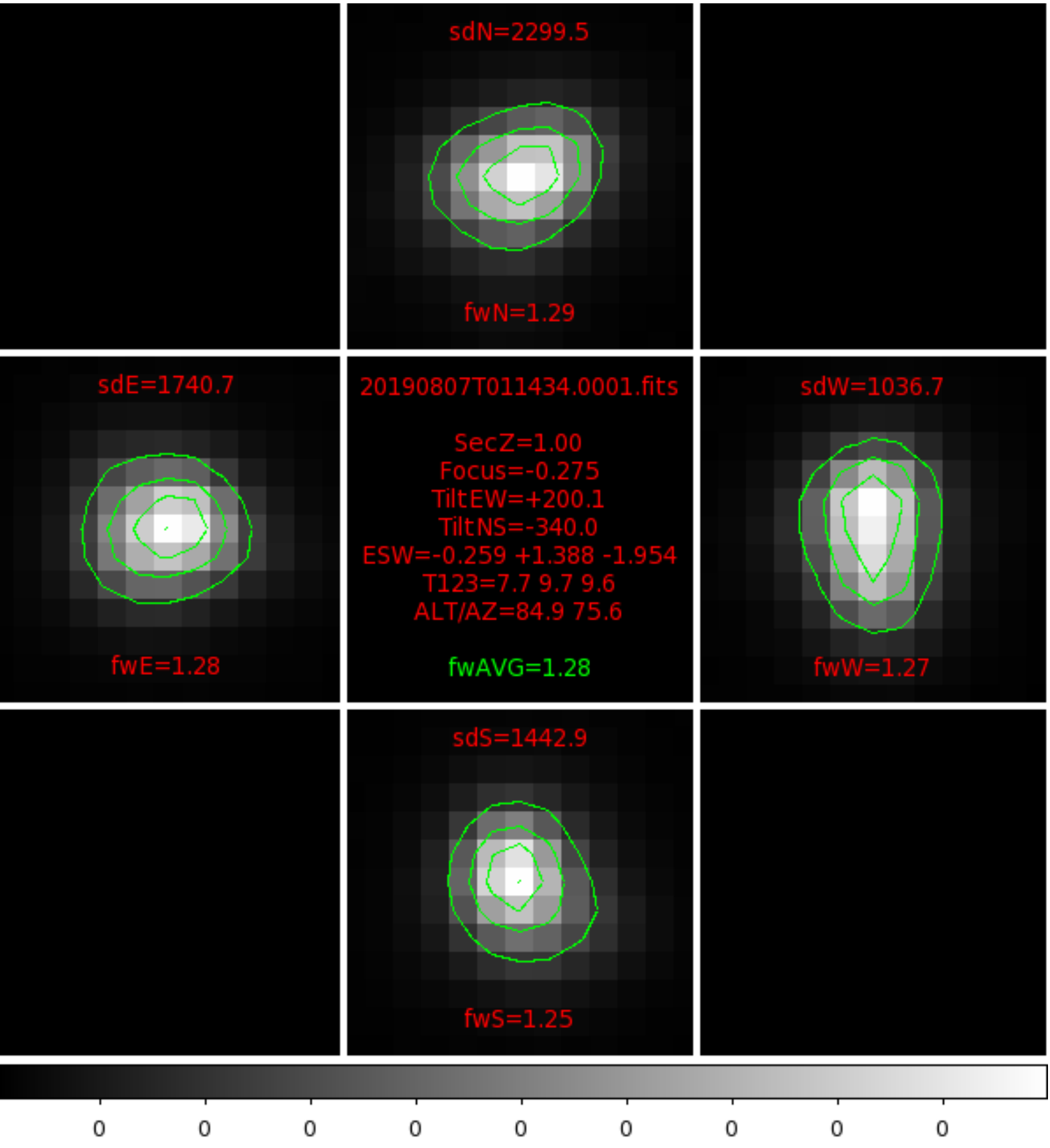
sdN=2299.5
fwN=1.29
sdE=1740.7
fwE=1.28
20190807T011434.0001.fits
SecZ=1.00
Focus=-0.275
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.259 +1.388 -1.954
T123=7.7 9.7 9.6
ALT/AZ=84.9 75.6
fwAVG=1.28
sdW=1036.7
fwW=1.27
sdS=1442.9
fwS=1.25
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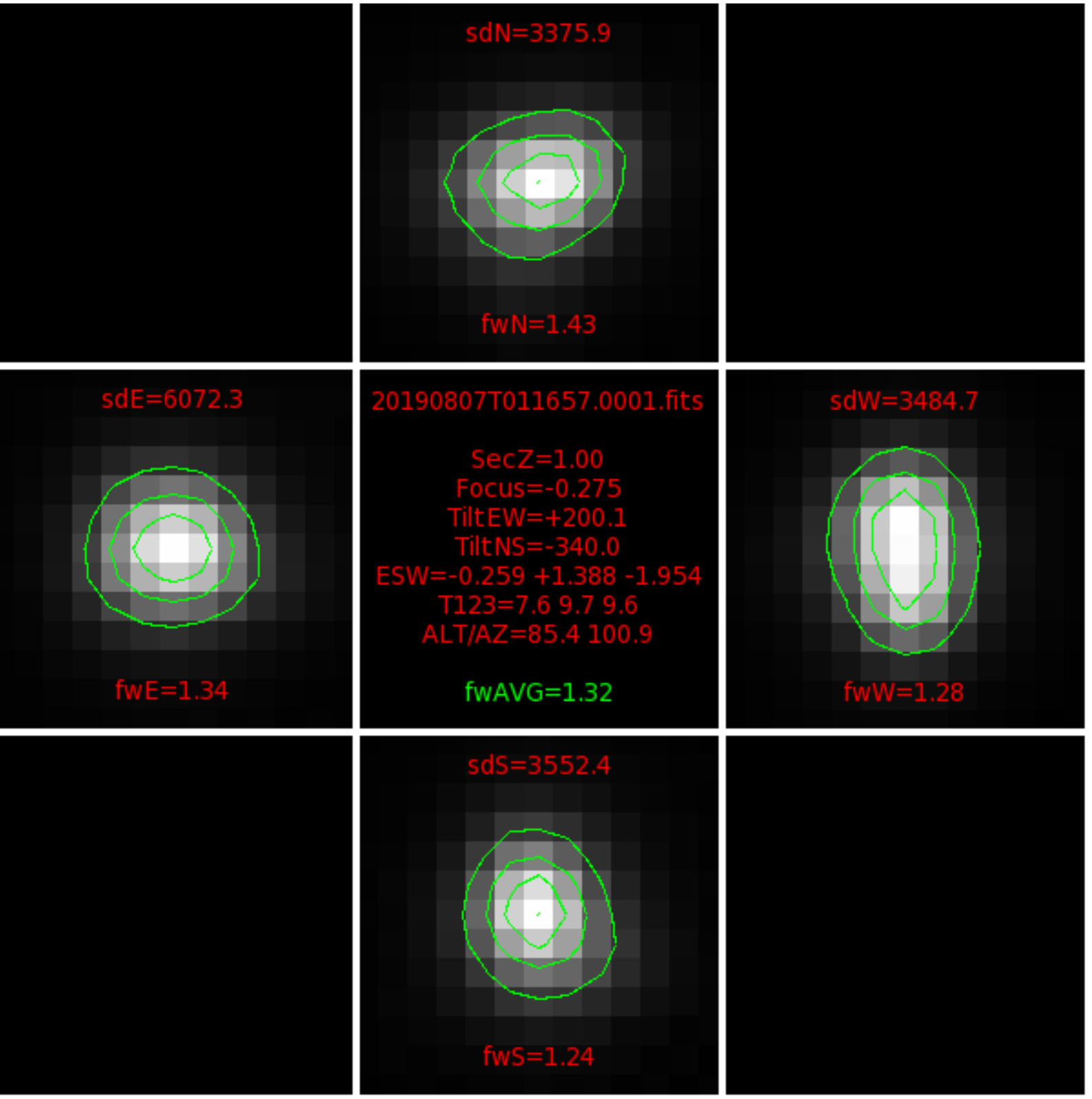
sdN=3375.9
fwN=1.43
sdE=6072.3
fwE=1.34
20190807T011657.0001.fits
SecZ=1.00
Focus=-0.275
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.259 +1.388 -1.954
T123=7.6 9.7 9.6
ALT/AZ=85.4 100.9
fwAVG=1.32
sdW=3484.7
fwW=1.28
sdS=3552.4
fwS=1.24
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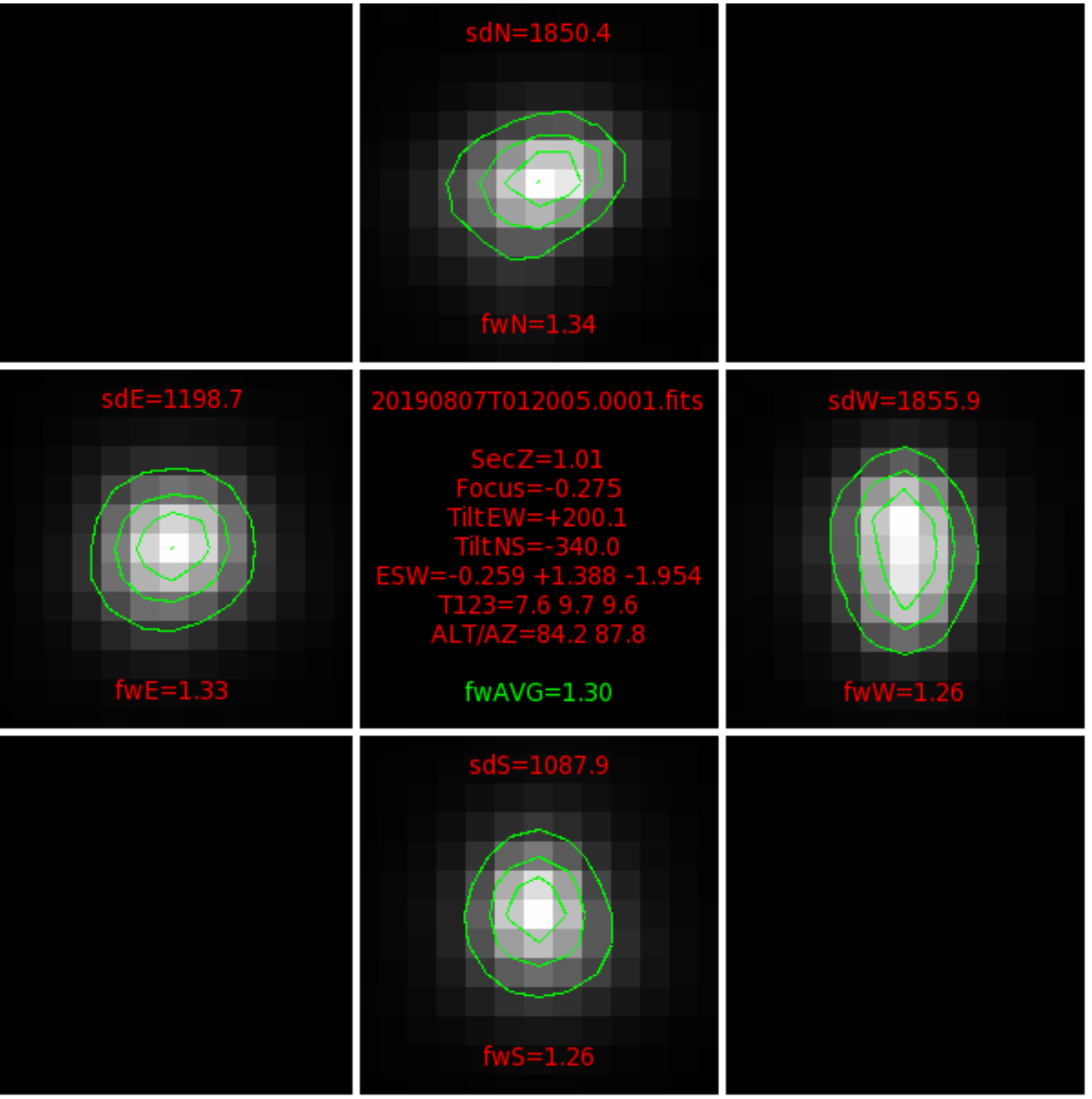
sdN=1850.4
fwN=1.34
sdE=1198.7
fwE=1.33
20190807T012005.0001.fits
SecZ=1.01
Focus=-0.275
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.259 +1.388 -1.954
T123=7.6 9.7 9.6
ALT/AZ=84.2 87.8
fwAVG=1.30
sdW=1855.9
fwW=1.26
sdS=1087.9
fwS=1.26
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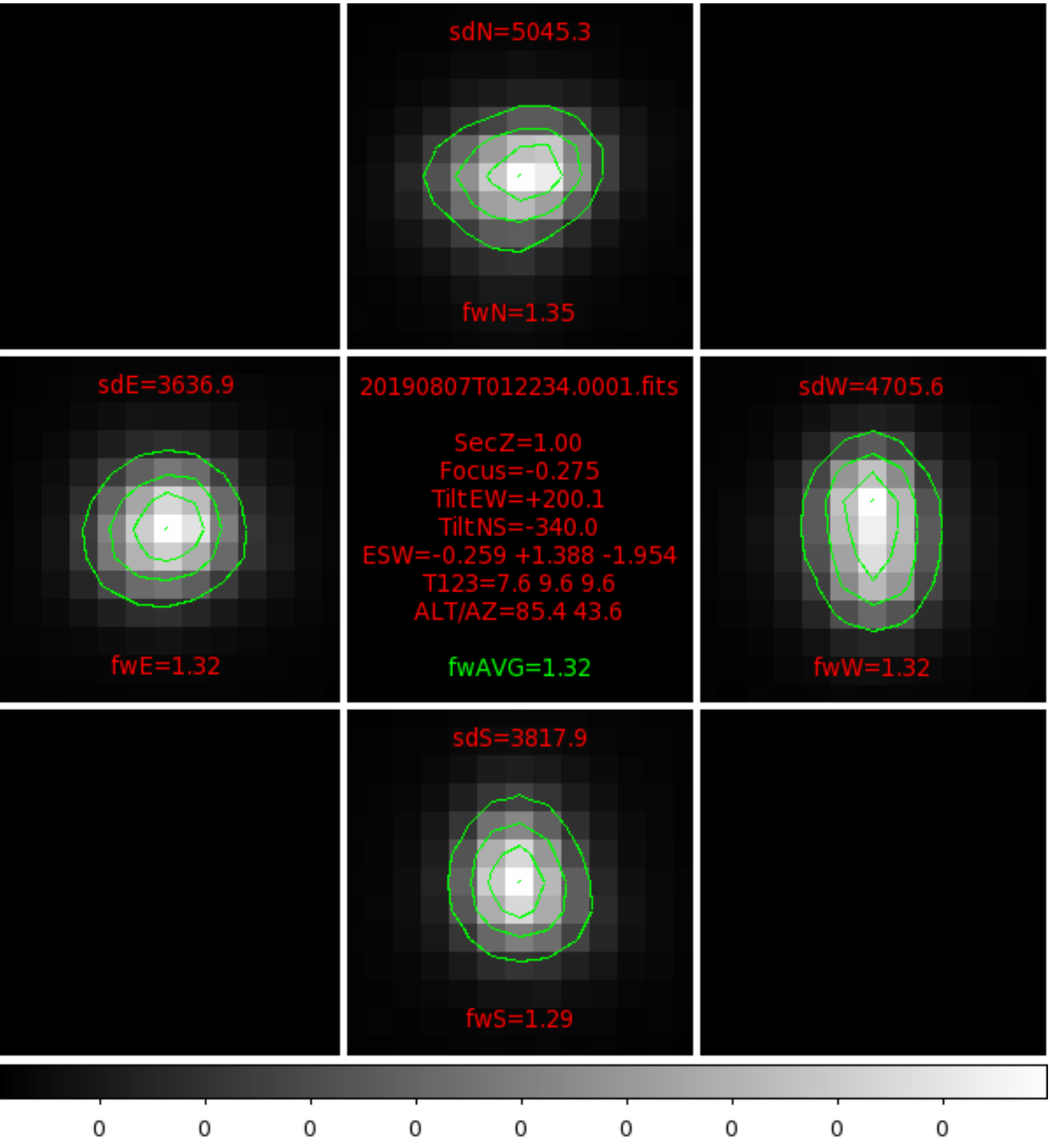
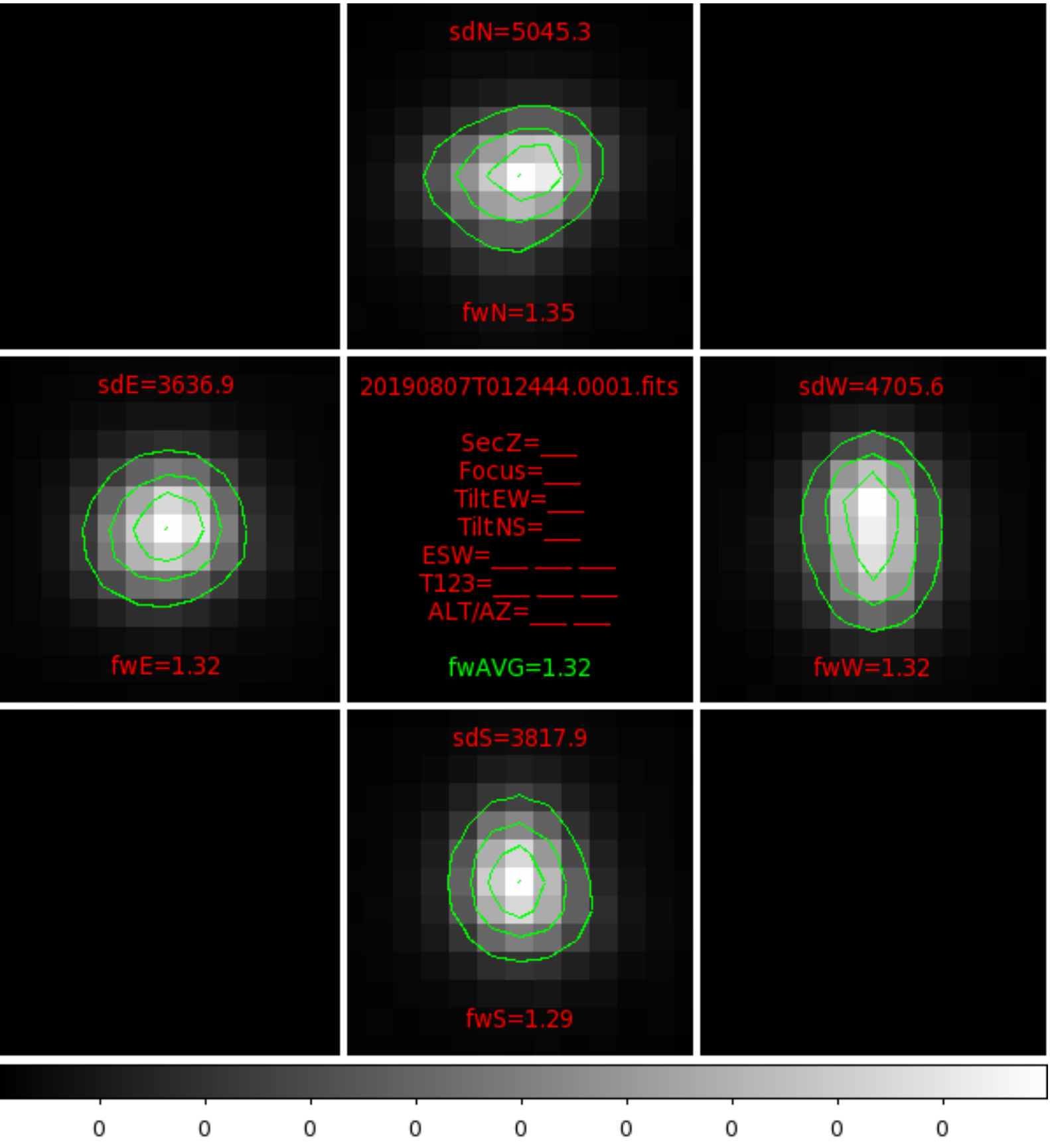

sdN=5045.3
fwN=1.35
sdE=3636.9
fwE=1.32
20190807T012234.0001.fits
SecZ=1.00
Focus=-0.275
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.259 +1.388 -1.954
T123=7.6 9.6 9.6
ALT/AZ=85.4 43.6
fwAVG=1.32
sdW=4705.6
fwW=1.32
sdS=3817.9
fwS=1.29
0 0 0 0 0 0 0 0 0


sdN=5045.3
fwN=1.35
sdE=3636.9
fwE=1.32
20190807T012444.0001.fits
SecZ=___
Focus=___
TiltEW=___
TiltNS=___
ESW=___ ___ ___
T123=___ ___ ___
ALT/AZ=___ ___
fwAVG=1.32
sdW=4705.6
fwW=1.32
sdS=3817.9
fwS=1.29
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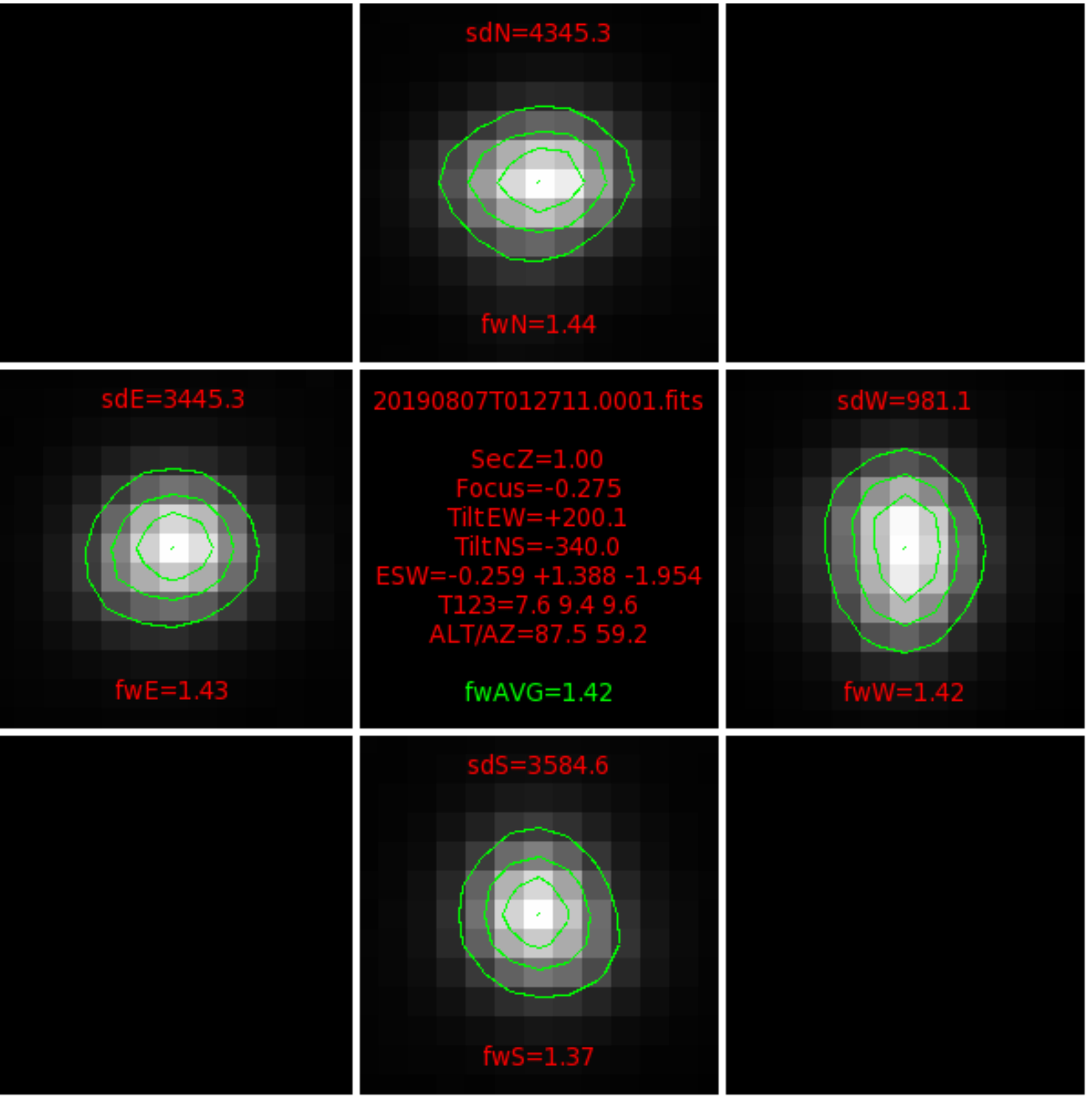
sdN=4345.3
fwN=1.44
sdE=3445.3
fwE=1.43
20190807T012711.0001.fits
SecZ=1.00
Focus=-0.275
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.259 +1.388 -1.954
T123=7.6 9.4 9.6
ALT/AZ=87.5 59.2
fwAVG=1.42
sdW=981.1
fwW=1.42
sdS=3584.6
fwS=1.37
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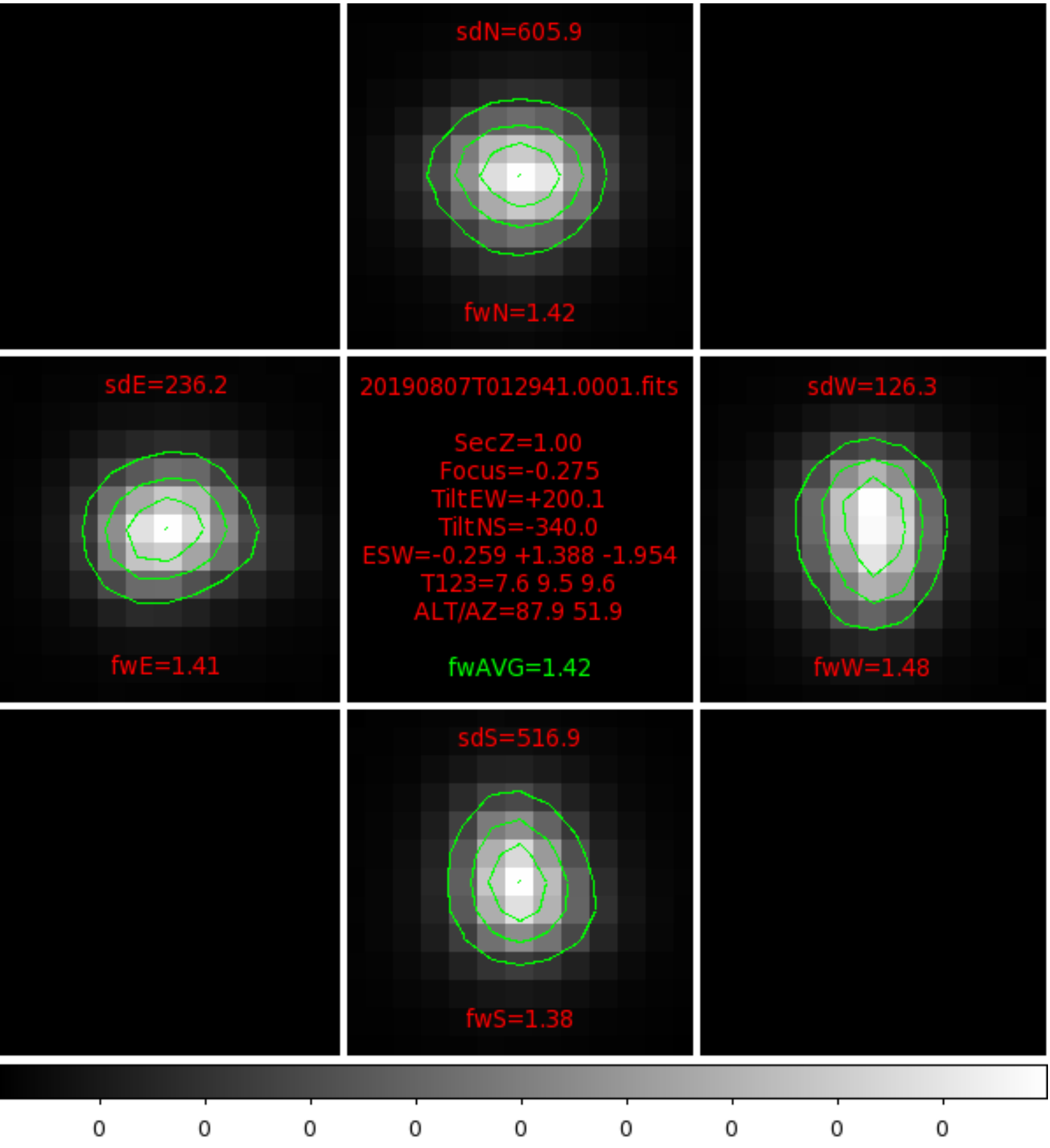
sdN=605.9
fwN=1.42
sdE=236.2
fwE=1.41
20190807T012941.0001.fits
SecZ=1.00
Focus=-0.275
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.259 +1.388 -1.954
T123=7.6 9.5 9.6
ALT/AZ=87.9 51.9
fwAVG=1.42
sdW=126.3
fwW=1.48
sdS=516.9
fwS=1.38
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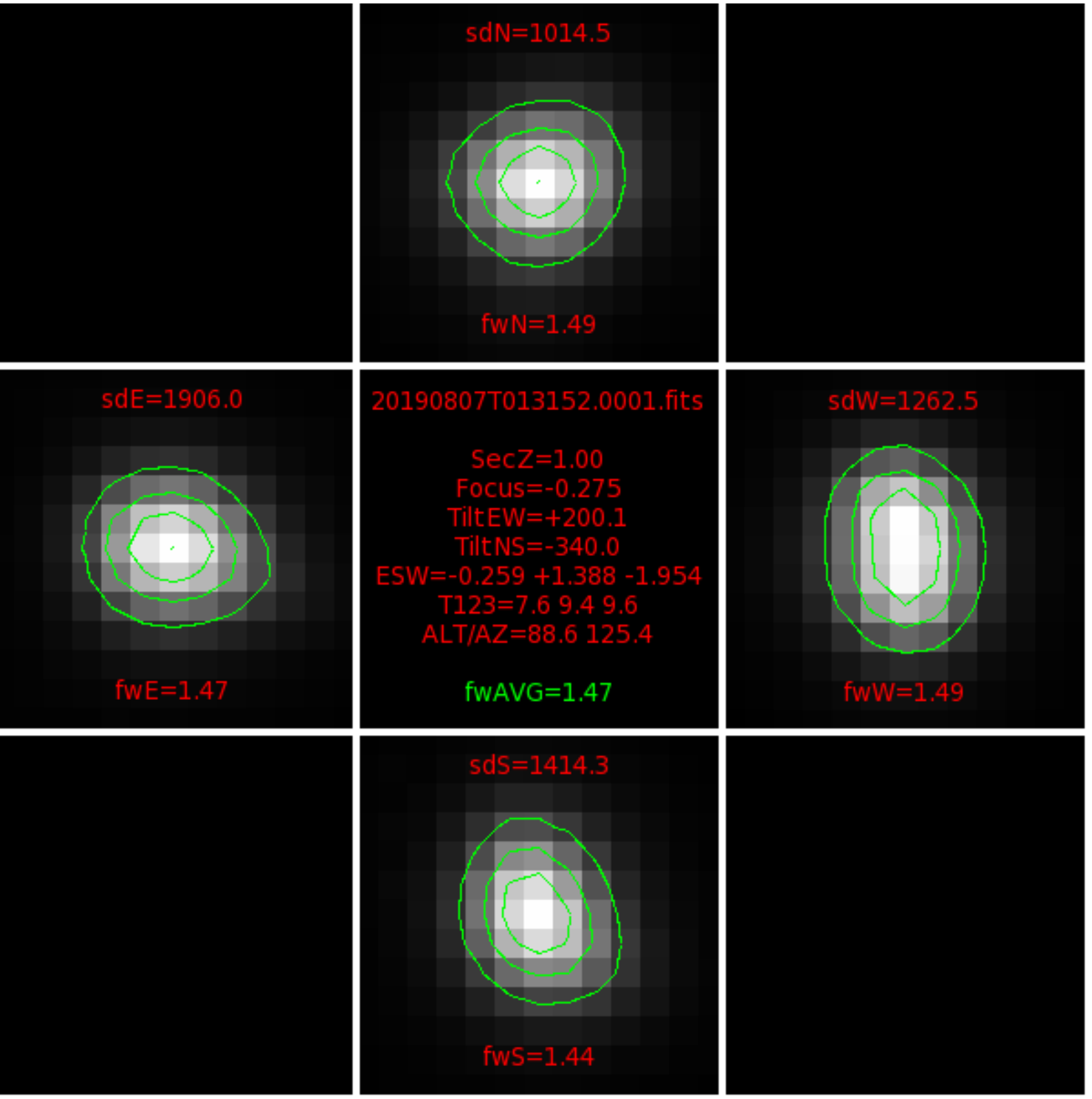
sdN=1014.5
fwN=1.49
sdE=1906.0
fwE=1.47
20190807T013152.0001.fits
SecZ=1.00
Focus=-0.275
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.259 +1.388 -1.954
T123=7.6 9.4 9.6
ALT/AZ=88.6 125.4
fwAVG=1.47
sdW=1262.5
fwW=1.49
sdS=1414.3
fwS=1.44
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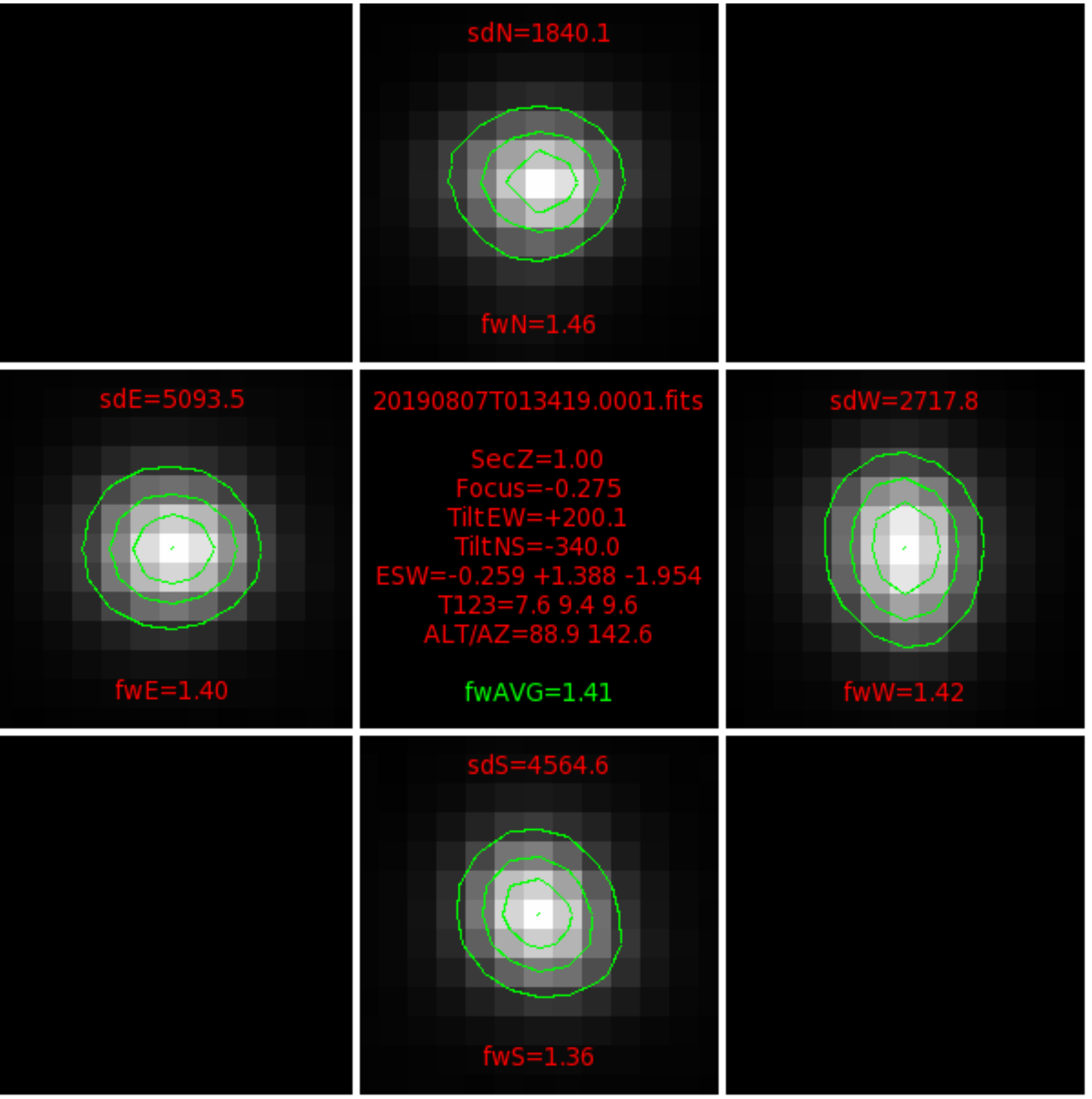
sdN=1840.1
fwN=1.46
sdE=5093.5
fwE=1.40
20190807T013419.0001.fits
SecZ=1.00
Focus=-0.275
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.259 +1.388 -1.954
T123=7.6 9.4 9.6
ALT/AZ=88.9 142.6
fwAVG=1.41
sdW=2717.8
fwW=1.42
sdS=4564.6
fwS=1.36
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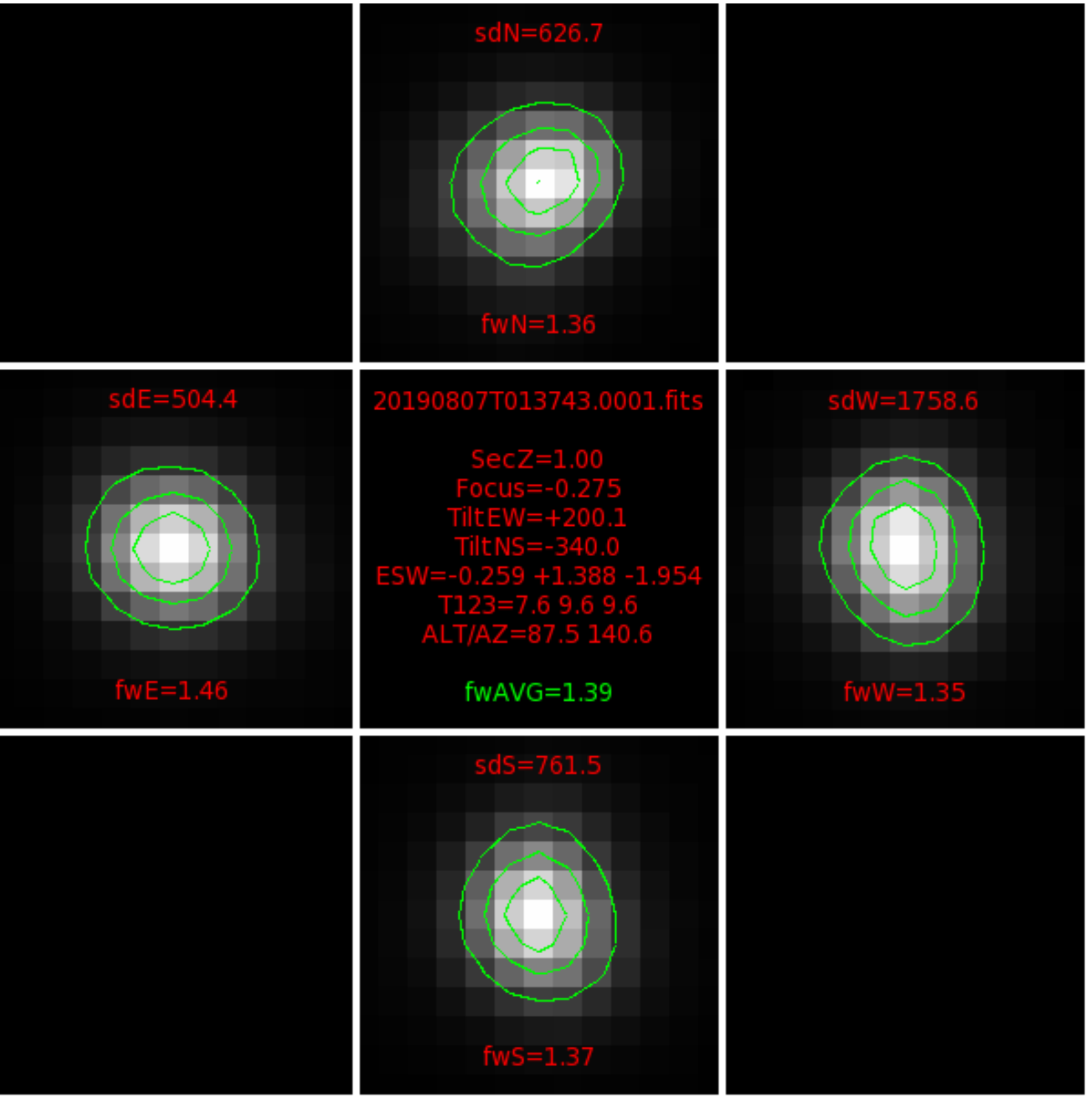
sdN=626.7
fwN=1.36
sdE=504.4
fwE=1.46
20190807T013743.0001.fits
SecZ=1.00
Focus=-0.275
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.259 +1.388 -1.954
T123=7.6 9.6 9.6
ALT/AZ=87.5 140.6
fwAVG=1.39
sdW=1758.6
fwW=1.35
sdS=761.5
fwS=1.37
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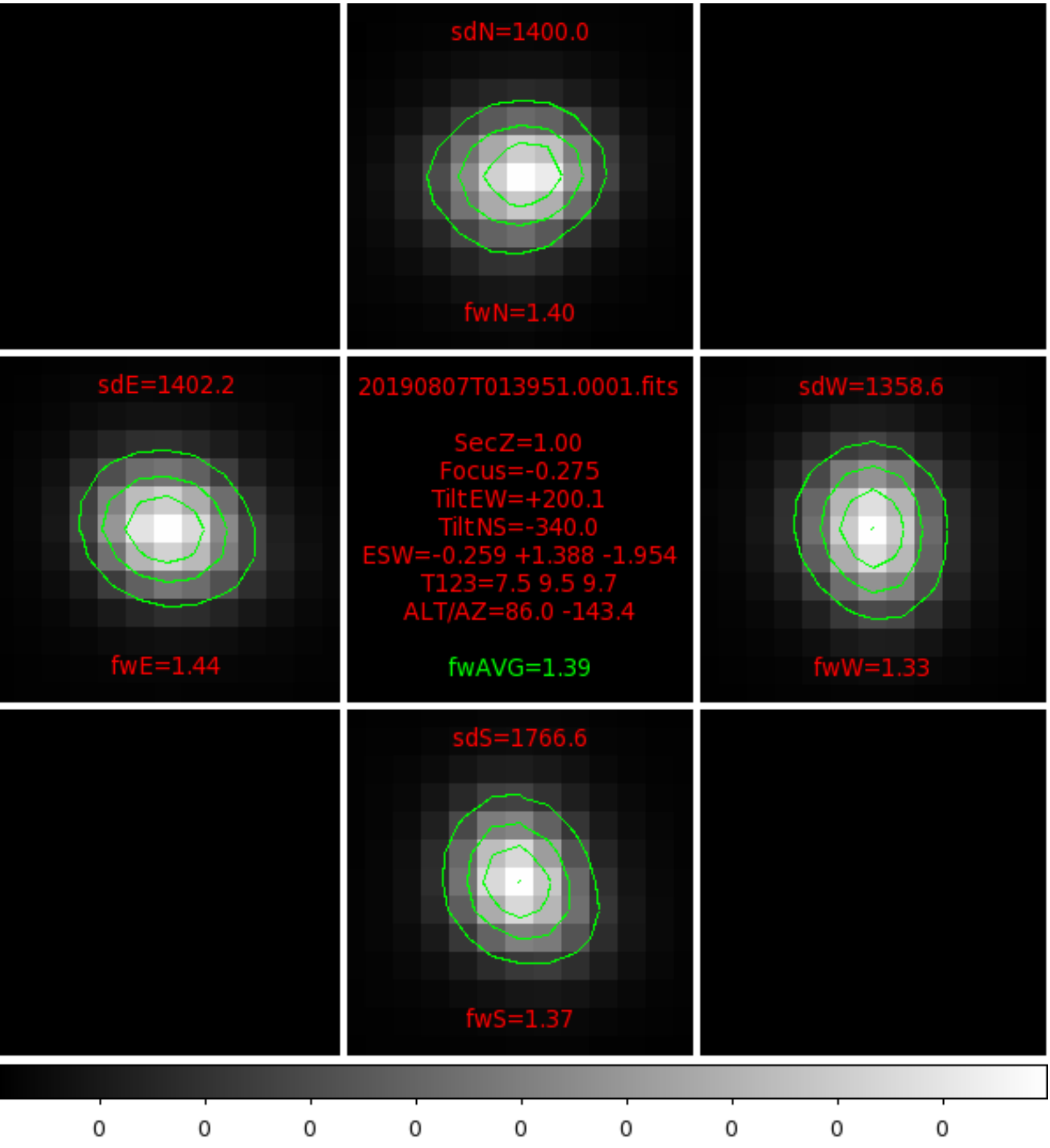
sdN=1400.0
fwN=1.40
sdE=1402.2
fwE=1.44
20190807T013951.0001.fits
SecZ=1.00
Focus=-0.275
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.259 +1.388 -1.954
T123=7.5 9.5 9.7
ALT/AZ=86.0 -143.4
fwAVG=1.39
sdW=1358.6
fwW=1.33
sdS=1766.6
fwS=1.37
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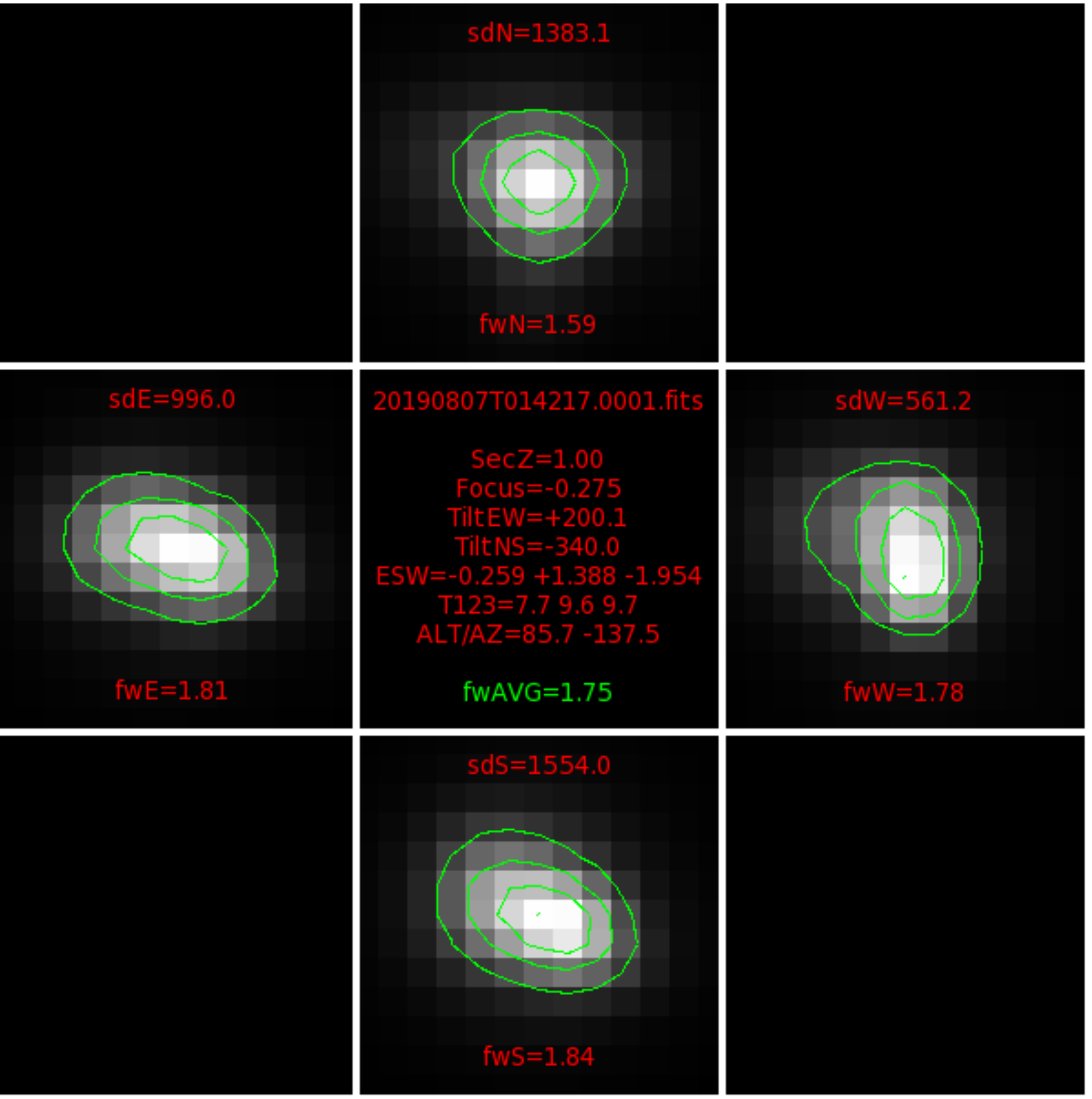
sdN=1383.1
fwN=1.59
sdE=996.0
fwE=1.81
20190807T014217.0001.fits
SecZ=1.00
Focus=-0.275
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.259 +1.388 -1.954
T123=7.7 9.6 9.7
ALT/AZ=85.7 -137.5
fwAVG=1.75
sdW=561.2
fwW=1.78
sdS=1554.0
fwS=1.84
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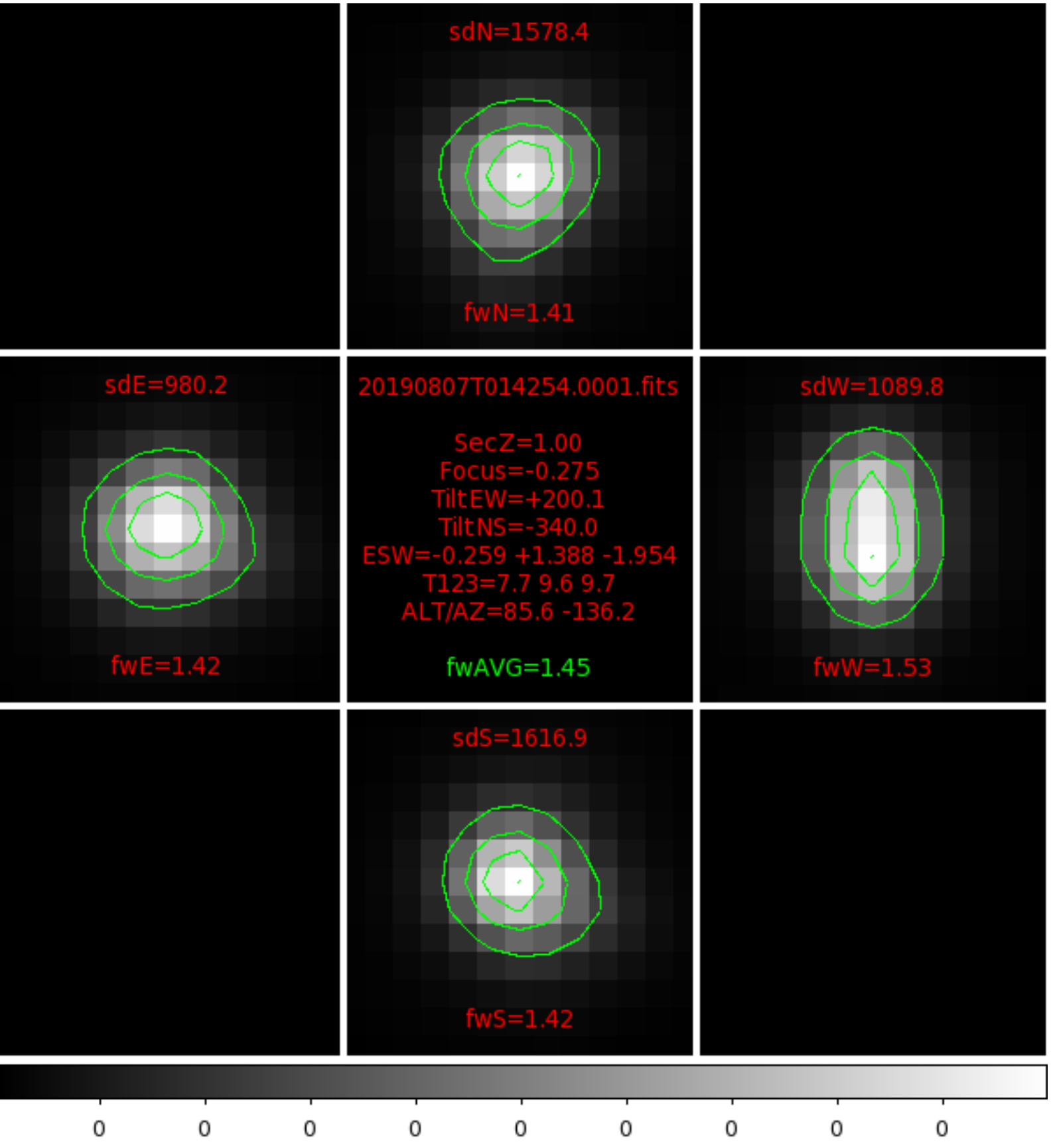
sdN=1578.4
fwN=1.41
sdE=980.2
fwE=1.42
20190807T014254.0001.fits
SecZ=1.00
Focus=-0.275
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.259 +1.388 -1.954
T123=7.7 9.6 9.7
ALT/AZ=85.6 -136.2
fwAVG=1.45
sdW=1089.8
fwW=1.53
sdS=1616.9
fwS=1.42
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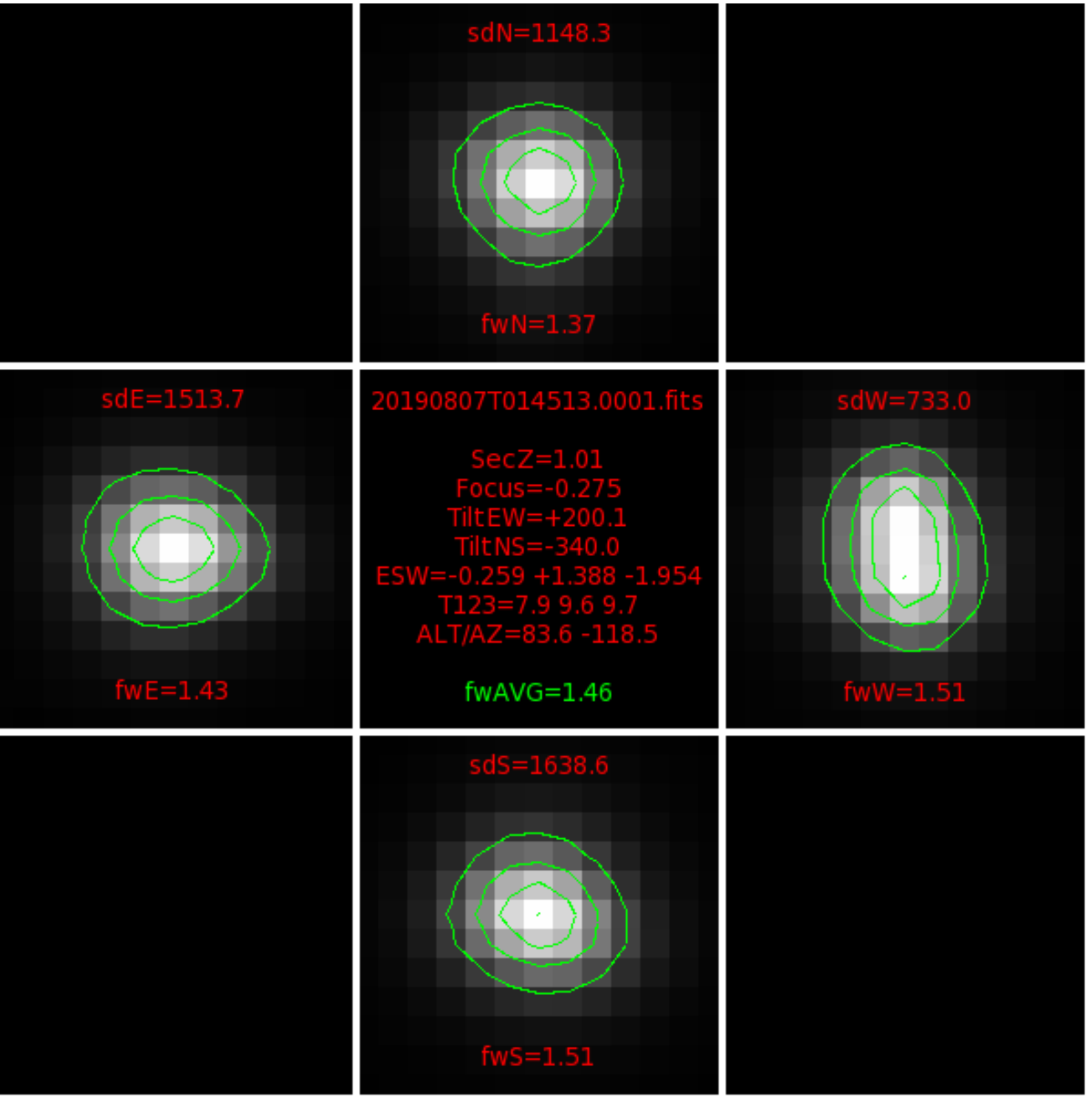
sdN=1148.3
fwN=1.37
sdE=1513.7
fwE=1.43
20190807T014513.0001.fits
SecZ=1.01
Focus=-0.275
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.259 +1.388 -1.954
T123=7.9 9.6 9.7
ALT/AZ=83.6 -118.5
fwAVG=1.46
sdW=733.0
fwW=1.51
sdS=1638.6
fwS=1.51
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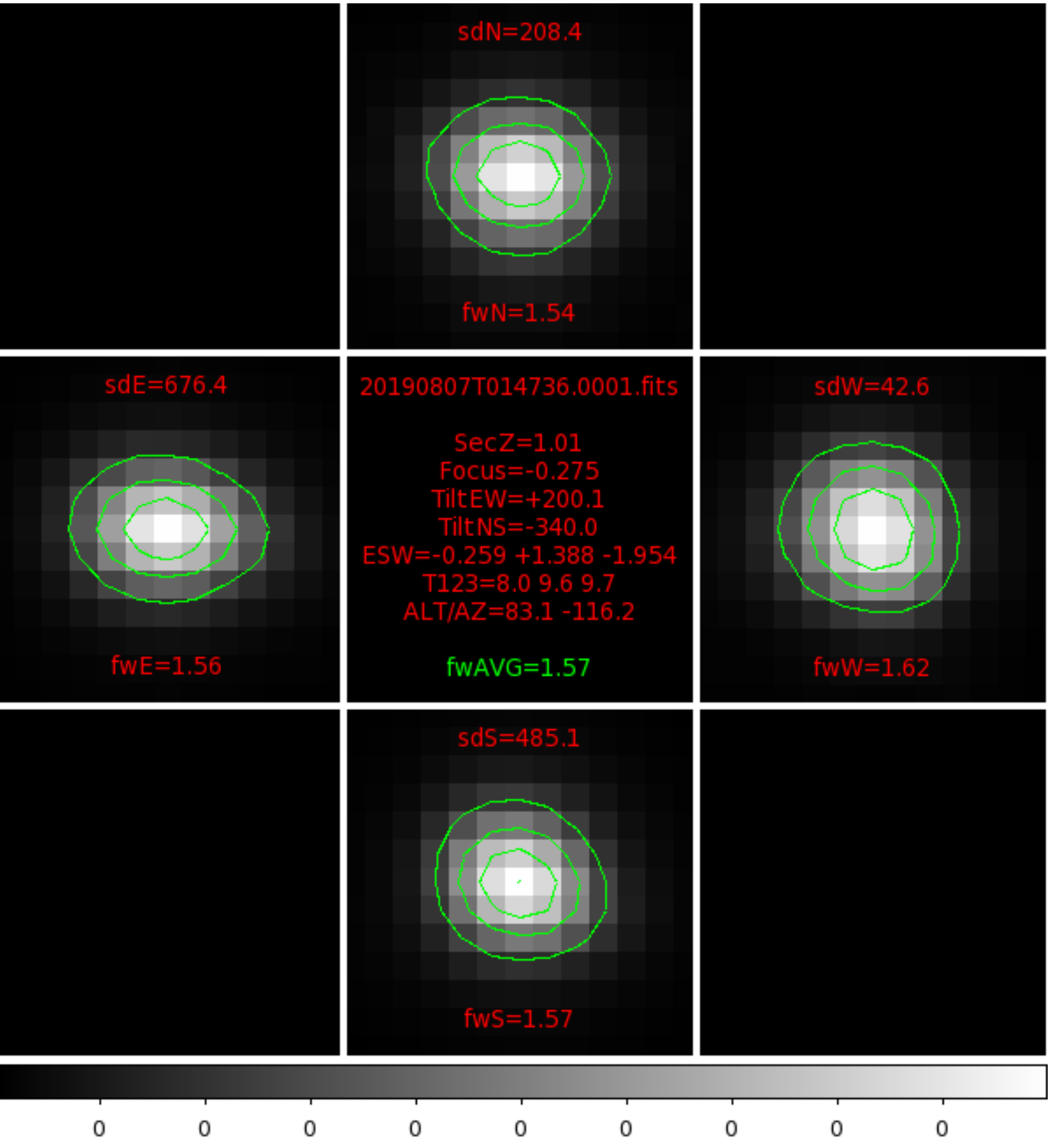
sdN=208.4
fwN=1.54
sdE=676.4
fwE=1.56
20190807T014736.0001.fits
SecZ=1.01
Focus=-0.275
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.259 +1.388 -1.954
T123=8.0 9.6 9.7
ALT/AZ=83.1 -116.2
fwAVG=1.57
sdW=42.6
fwW=1.62
sdS=485.1
fwS=1.57
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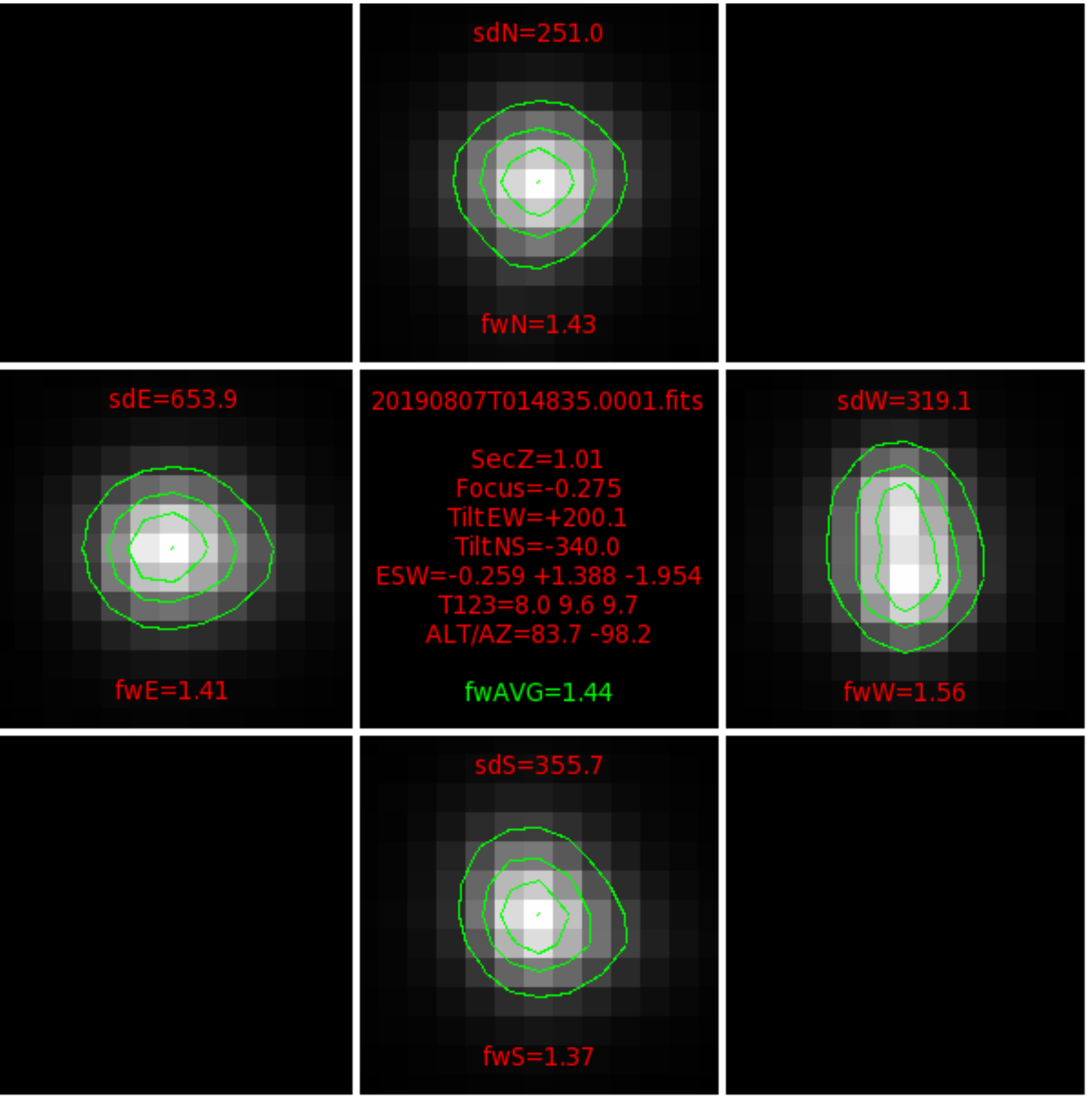
sdN=251.0
fwN=1.43
sdE=653.9
fwE=1.41
20190807T014835.0001.fits
SecZ=1.01
Focus=-0.275
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.259 +1.388 -1.954
T123=8.0 9.6 9.7
ALT/AZ=83.7 -98.2
fwAVG=1.44
sdW=319.1
fwW=1.56
sdS=355.7
fwS=1.37
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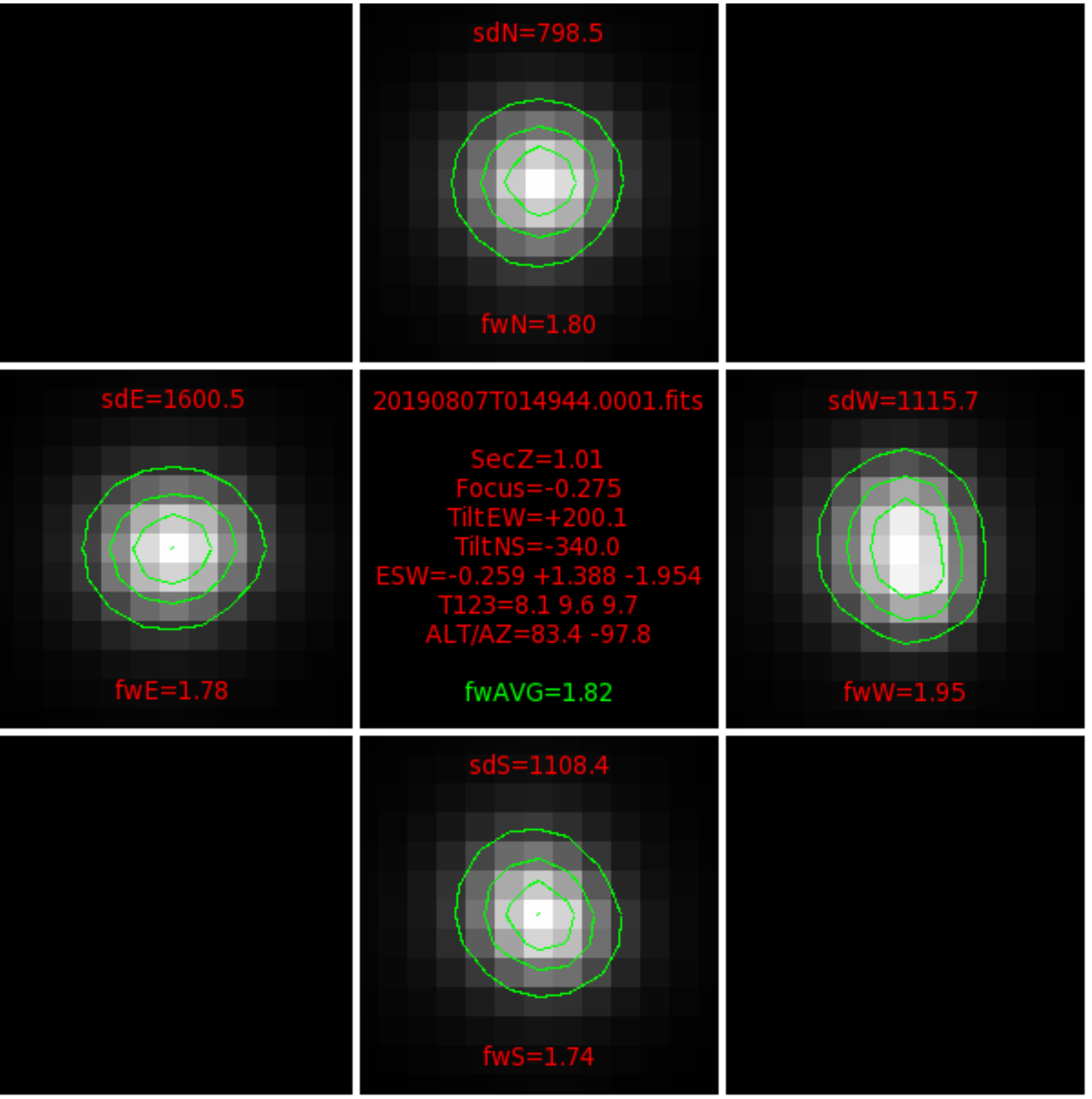
sdN=798.5
fwN=1.80
sdE=1600.5
fwE=1.78
20190807T014944.0001.fits
SecZ=1.01
Focus=-0.275
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.259 +1.388 -1.954
T123=8.1 9.6 9.7
ALT/AZ=83.4 -97.8
fwAVG=1.82
sdW=1115.7
fwW=1.95
sdS=1108.4
fwS=1.74
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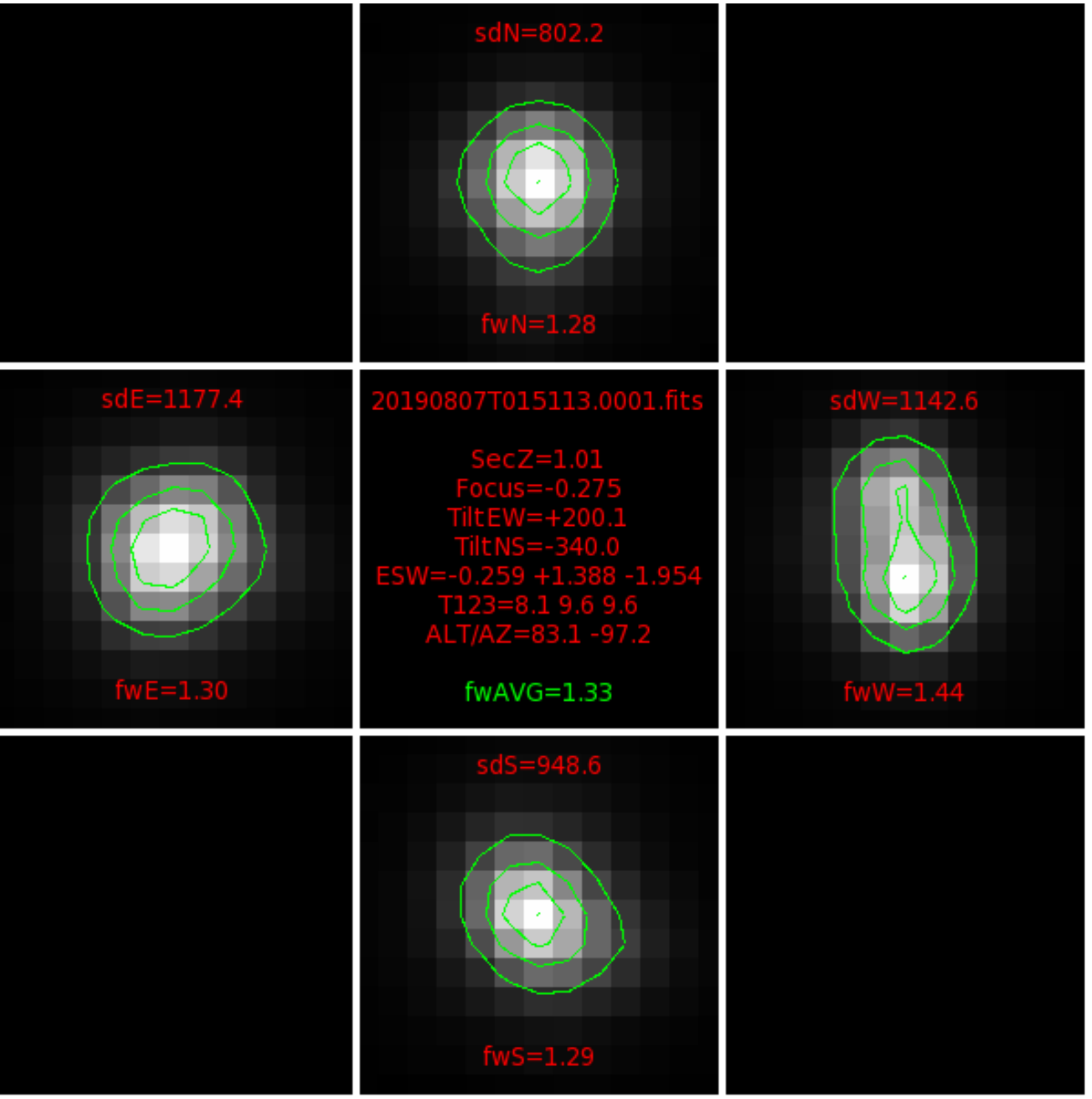
sdN=802.2
fwN=1.28
sdE=1177.4
fwE=1.30
20190807T015113.0001.fits
SecZ=1.01
Focus=-0.275
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.259 +1.388 -1.954
T123=8.1 9.6 9.6
ALT/AZ=83.1 -97.2
fwAVG=1.33
sdW=1142.6
fwW=1.44
sdS=948.6
fwS=1.29
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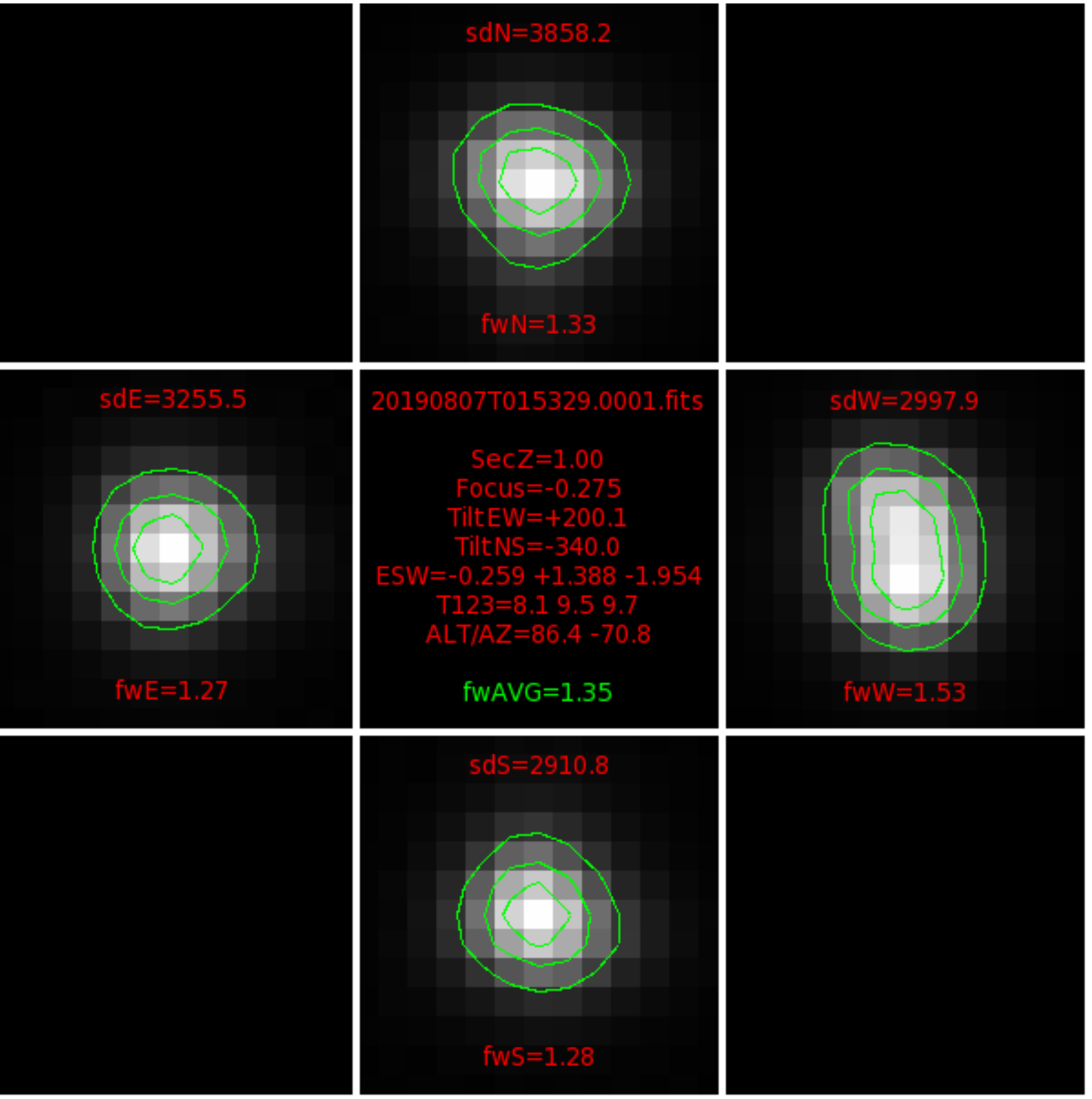
sdN=3858.2
fwN=1.33
sdE=3255.5
fwE=1.27
20190807T015329.0001.fits
SecZ=1.00
Focus=-0.275
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.259 +1.388 -1.954
T123=8.1 9.5 9.7
ALT/AZ=86.4 -70.8
fwAVG=1.35
sdW=2997.9
fwW=1.53
sdS=2910.8
fwS=1.28
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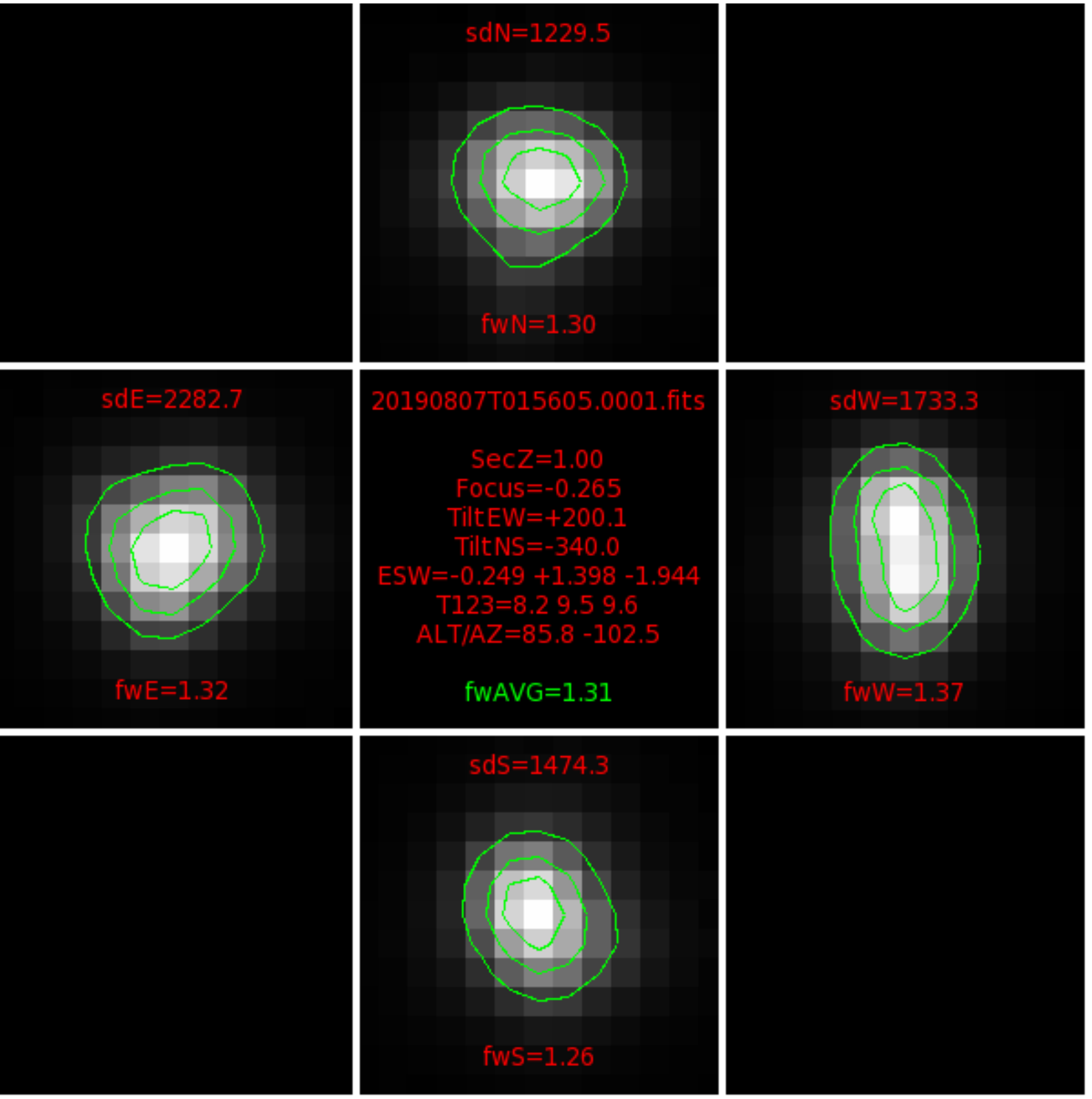
sdN=1229.5
fwN=1.30
sdE=2282.7
fwE=1.32
20190807T015605.0001.fits
SecZ=1.00
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.2 9.5 9.6
ALT/AZ=85.8 -102.5
fwAVG=1.31
sdW=1733.3
fwW=1.37
sdS=1474.3
fwS=1.26
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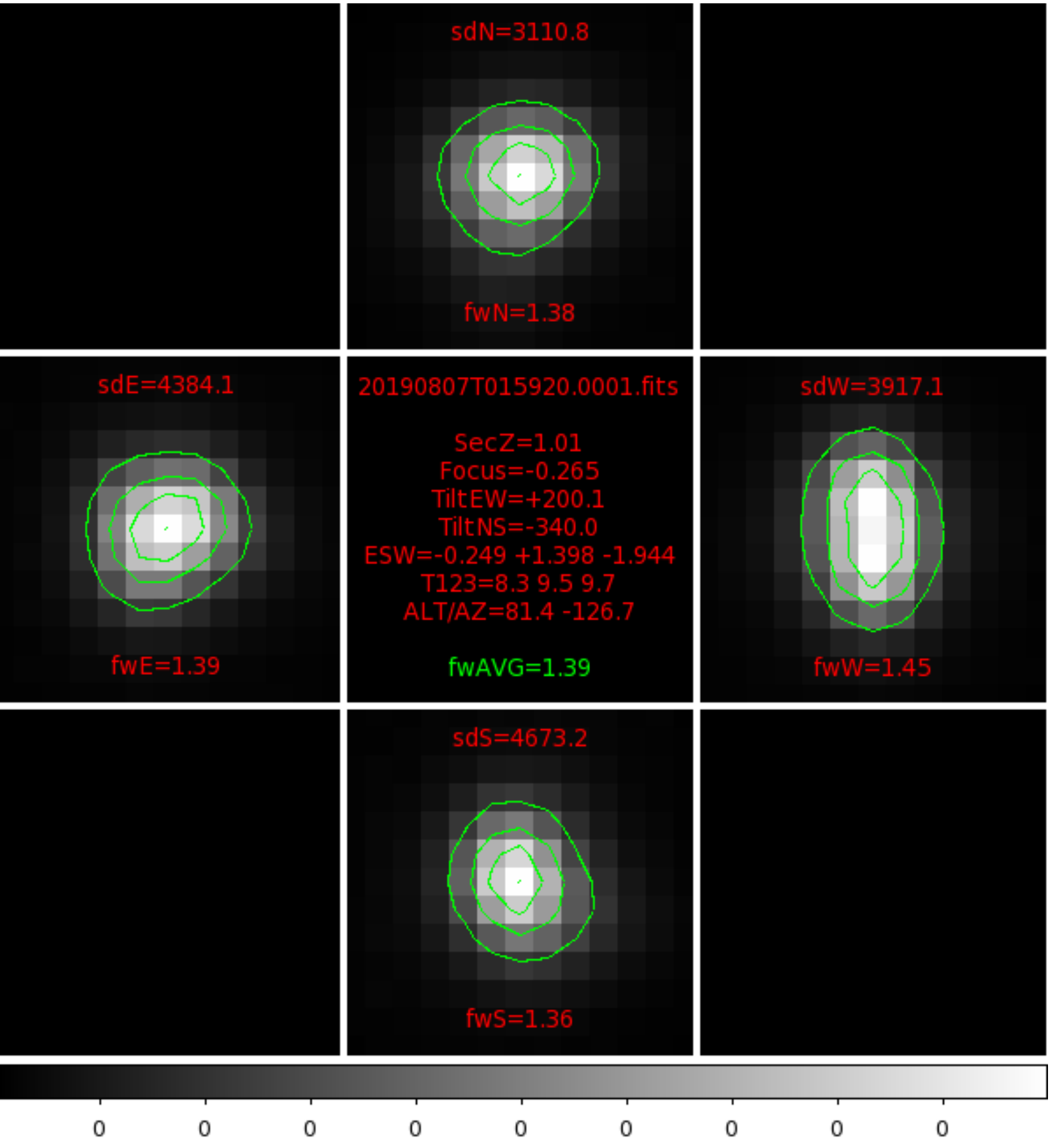
sdN=3110.8
fwN=1.38
sdE=4384.1
fwE=1.39
20190807T015920.0001.fits
SecZ=1.01
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.3 9.5 9.7
ALT/AZ=81.4 -126.7
fwAVG=1.39
sdW=3917.1
fwW=1.45
sdS=4673.2
fwS=1.36
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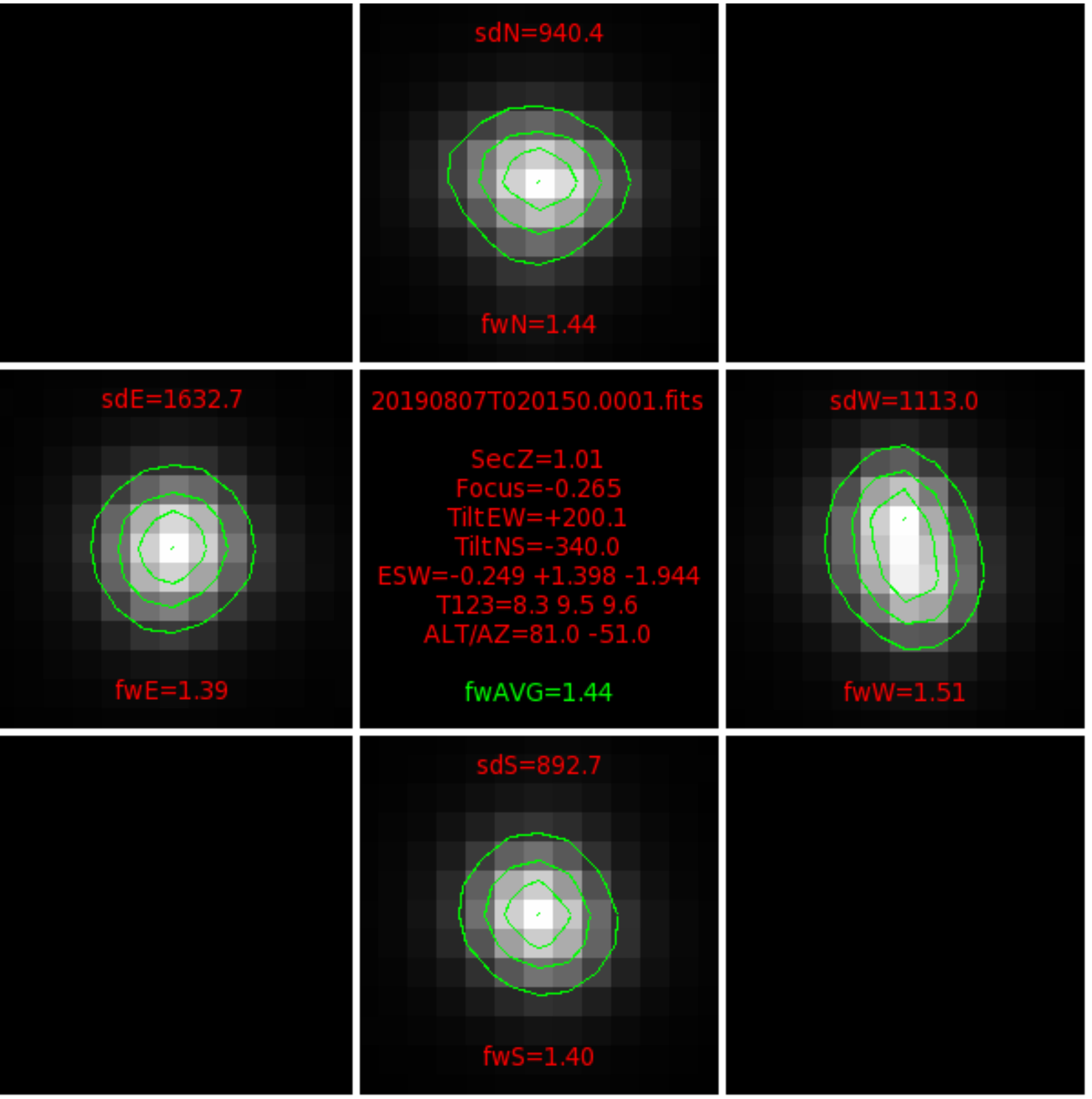
sdN=940.4
fwN=1.44
sdE=1632.7
fwE=1.39
20190807T020150.0001.fits
SecZ=1.01
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.3 9.5 9.6
ALT/AZ=81.0 -51.0
fwAVG=1.44
sdW=1113.0
fwW=1.51
sdS=892.7
fwS=1.40
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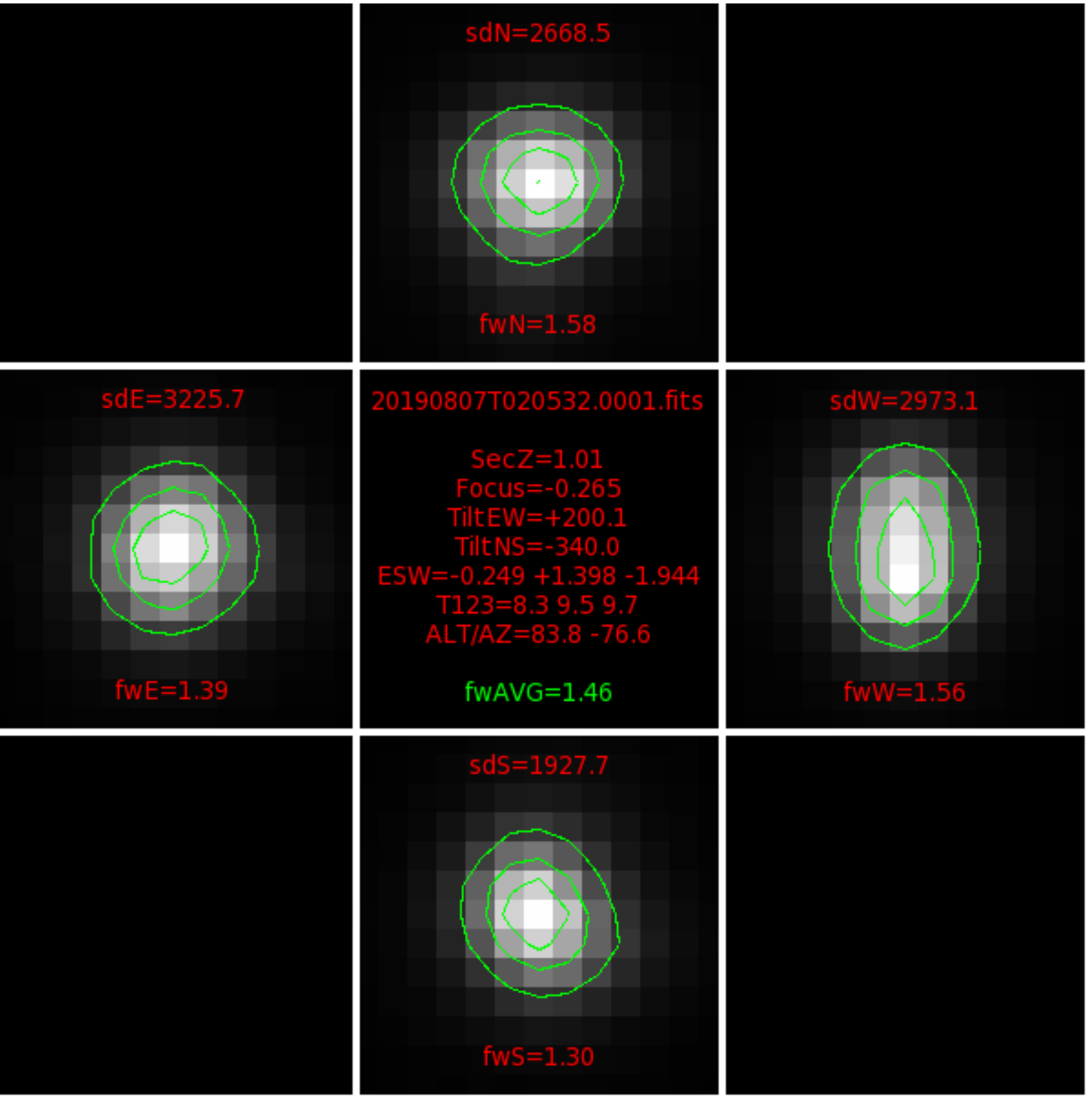
sdN=2668.5
fwN=1.58
sdE=3225.7
fwE=1.39
20190807T020532.0001.fits
SecZ=1.01
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.3 9.5 9.7
ALT/AZ=83.8 -76.6
fwAVG=1.46
sdW=2973.1
fwW=1.56
sdS=1927.7
fwS=1.30
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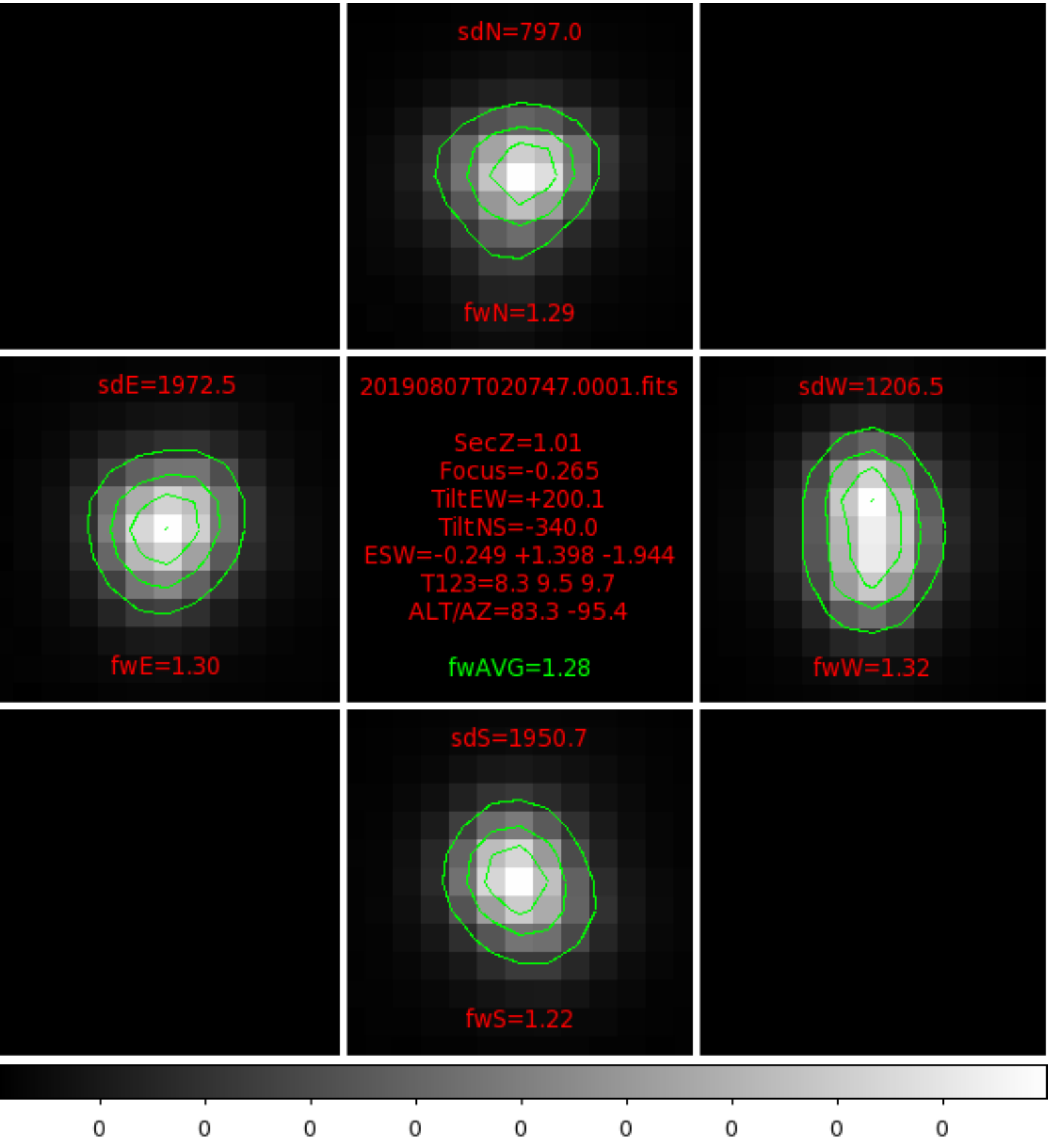
sdN=797.0
fwN=1.29
sdE=1972.5
fwE=1.30
20190807T020747.0001.fits
SecZ=1.01
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.3 9.5 9.7
ALT/AZ=83.3 -95.4
fwAVG=1.28
sdW=1206.5
fwW=1.32
sdS=1950.7
fwS=1.22
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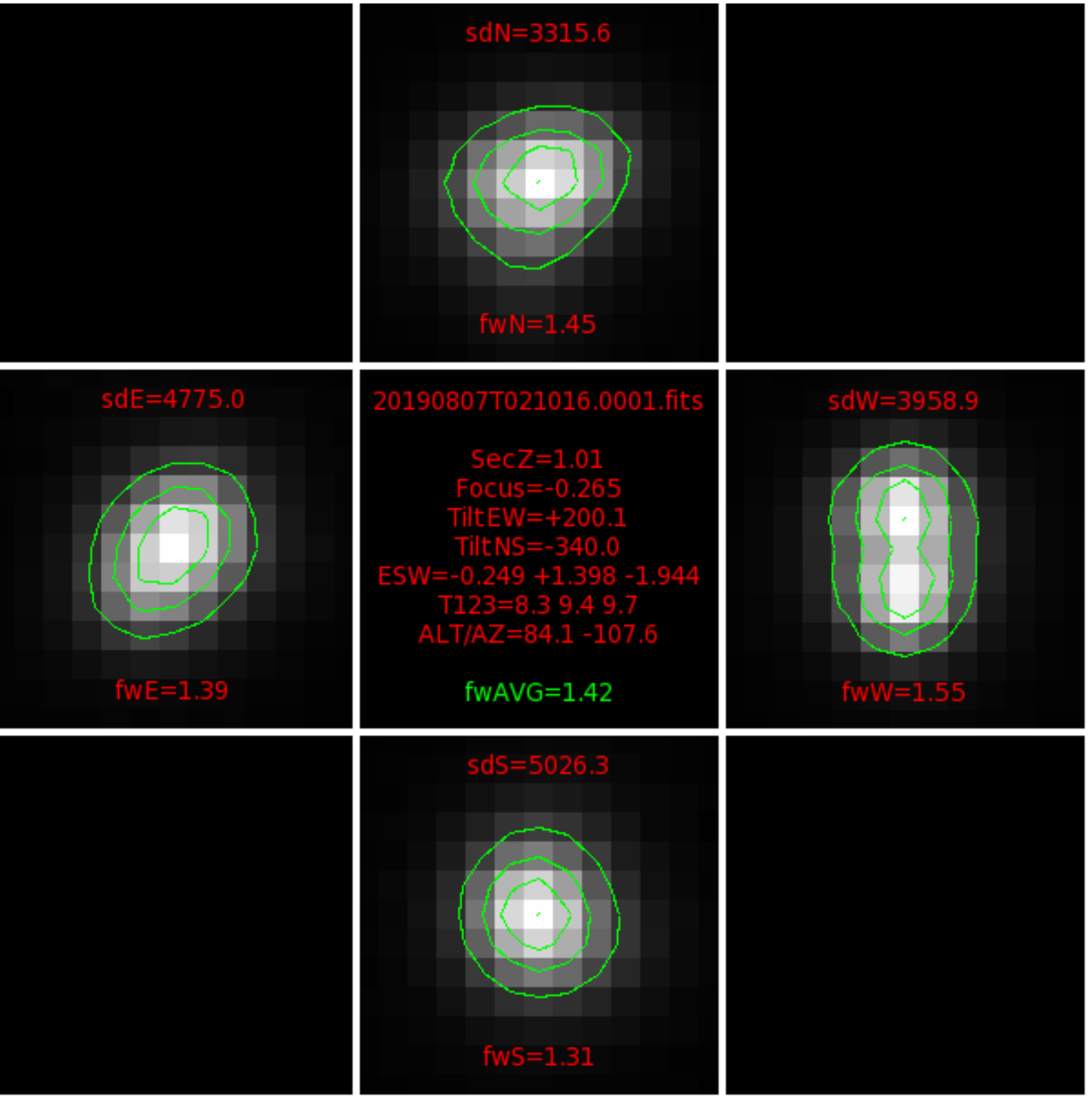
sdN=3315.6
fwN=1.45
sdE=4775.0
fwE=1.39
20190807T021016.0001.fits
SecZ=1.01
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.3 9.4 9.7
ALT/AZ=84.1 -107.6
fwAVG=1.42
sdW=3958.9
fwW=1.55
sdS=5026.3
fwS=1.31
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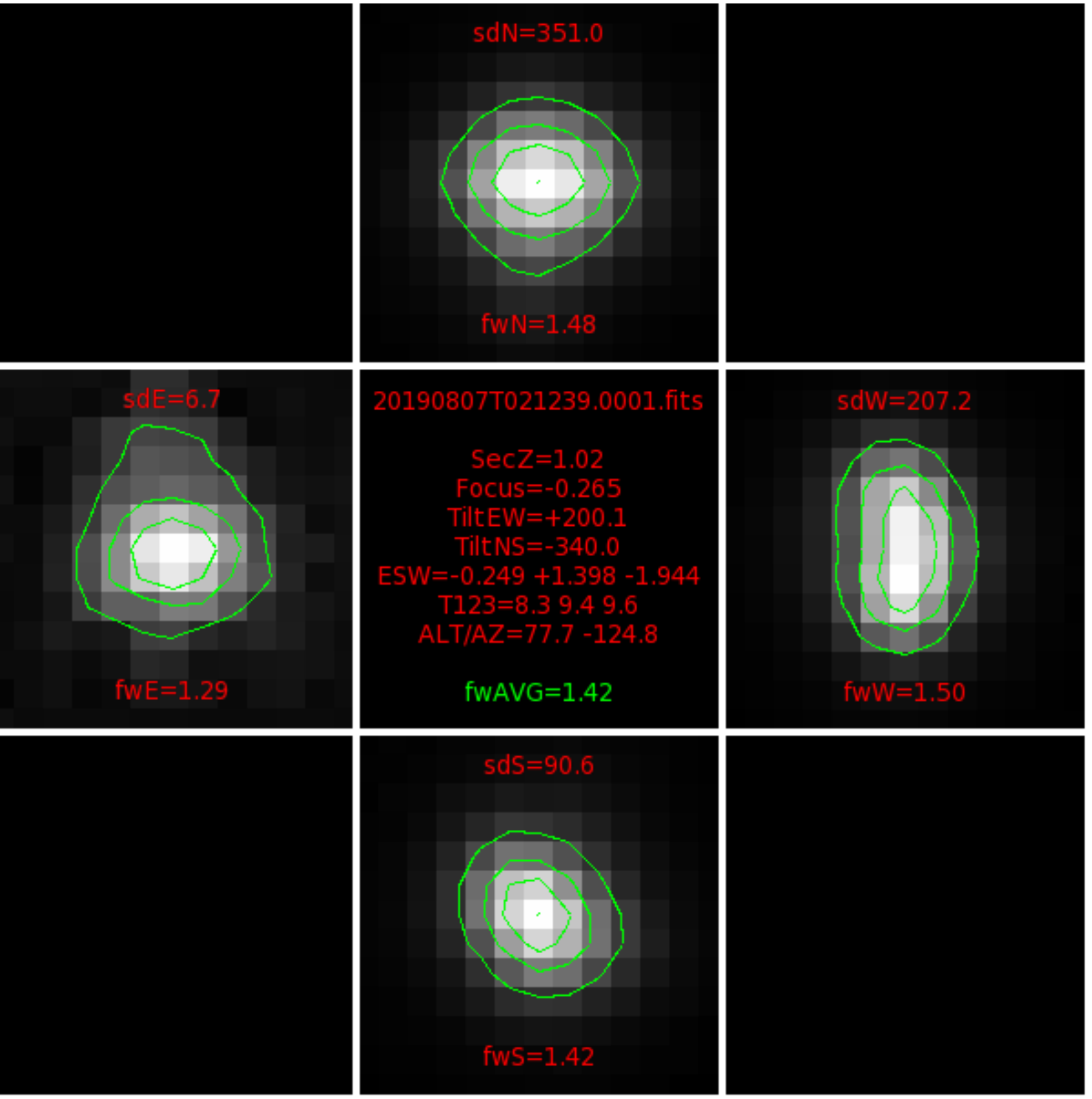
sdN=351.0
fwN=1.48
sdE=6.7
fwE=1.29
20190807T021239.0001.fits
SecZ=1.02
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.3 9.4 9.6
ALT/AZ=77.7 -124.8
fwAVG=1.42
sdW=207.2
fwW=1.50
sdS=90.6
fwS=1.42
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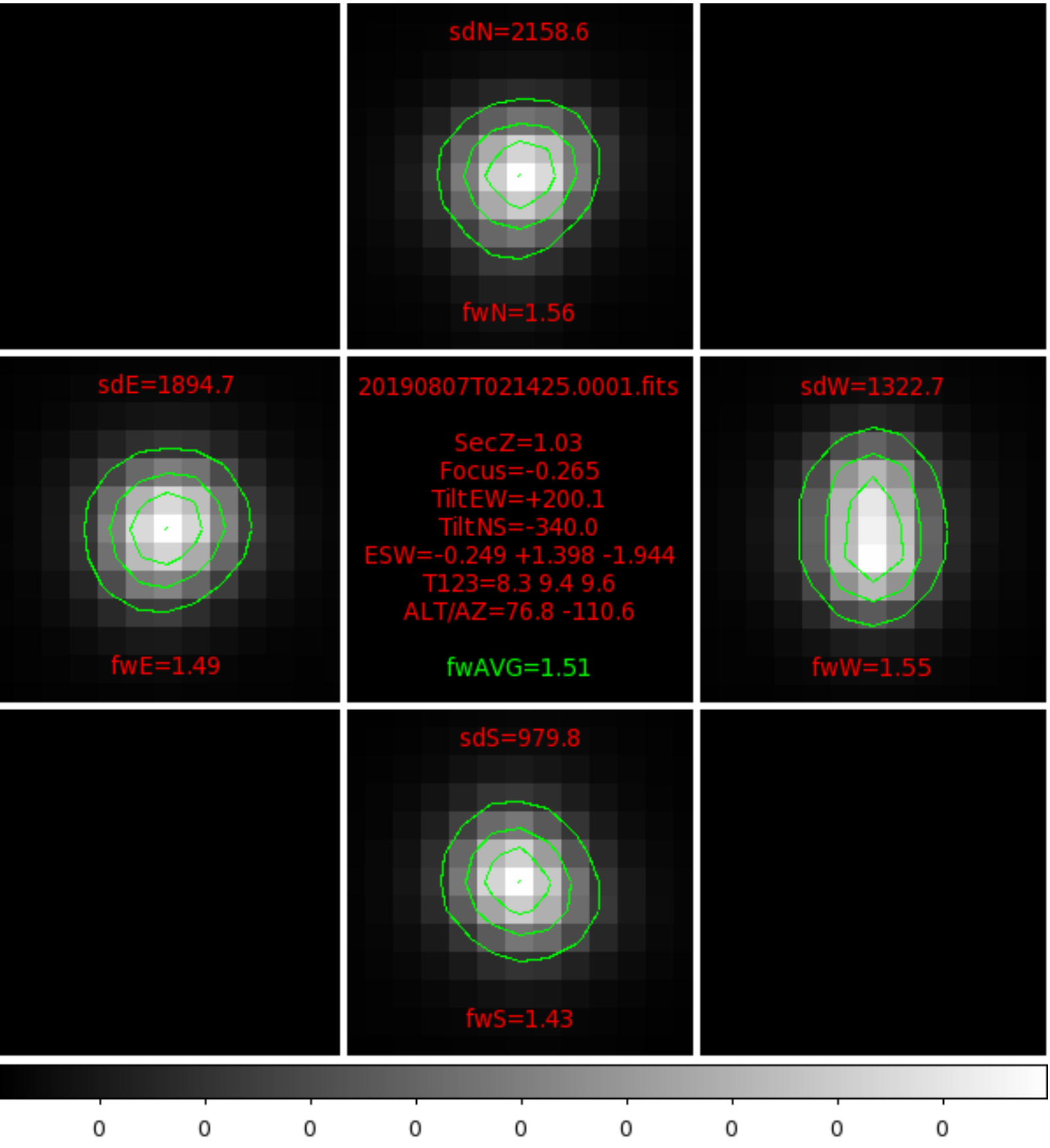
sdN=2158.6
fwN=1.56
sdE=1894.7
fwE=1.49
20190807T021425.0001.fits
SecZ=1.03
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.3 9.4 9.6
ALT/AZ=76.8 -110.6
fwAVG=1.51
sdW=1322.7
fwW=1.55
sdS=979.8
fwS=1.43
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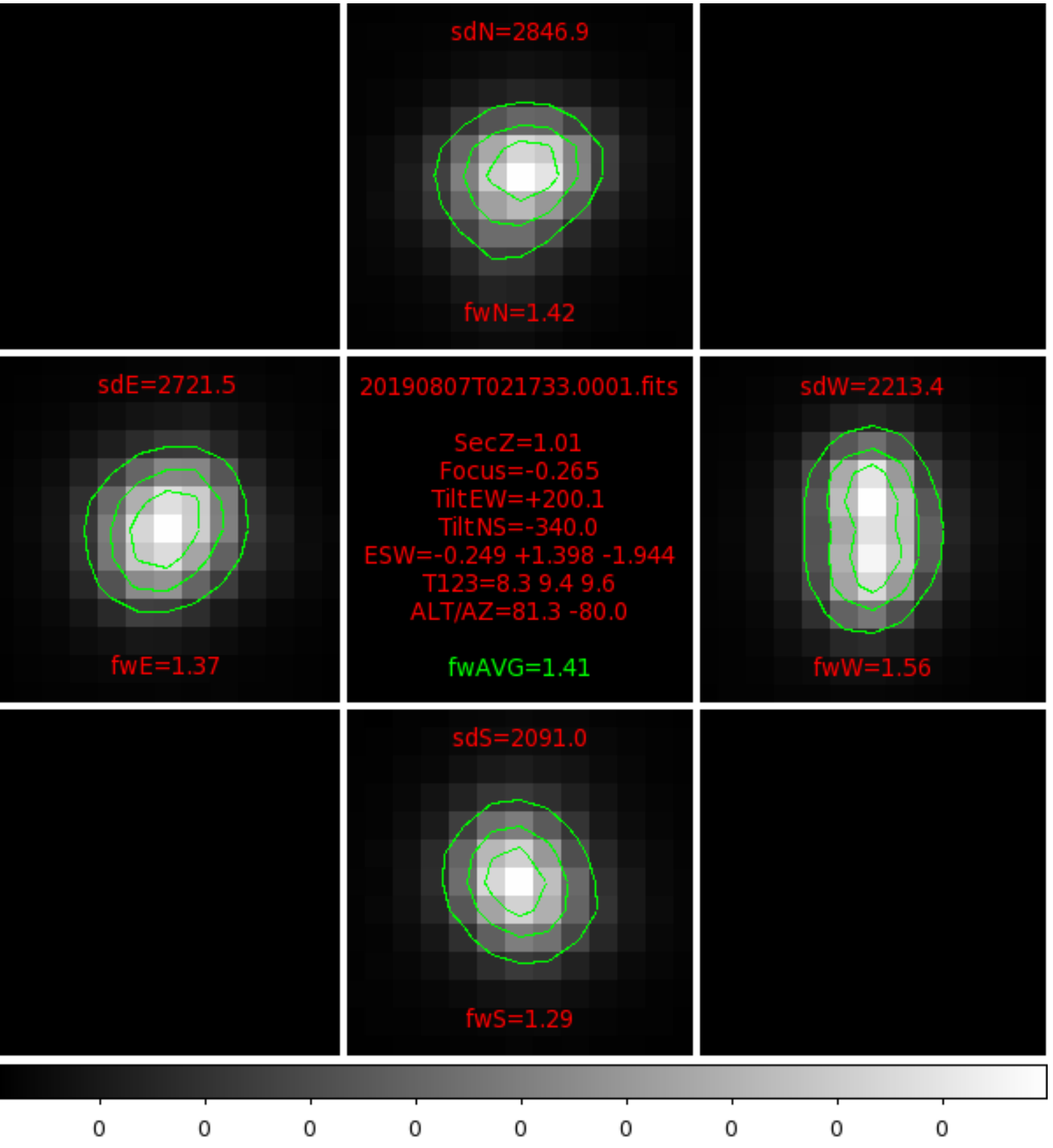
sdN=2846.9
fwN=1.42
sdE=2721.5
fwE=1.37
20190807T021733.0001.fits
SecZ=1.01
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.3 9.4 9.6
ALT/AZ=81.3 -80.0
fwAVG=1.41
sdW=2213.4
fwW=1.56
sdS=2091.0
fwS=1.29
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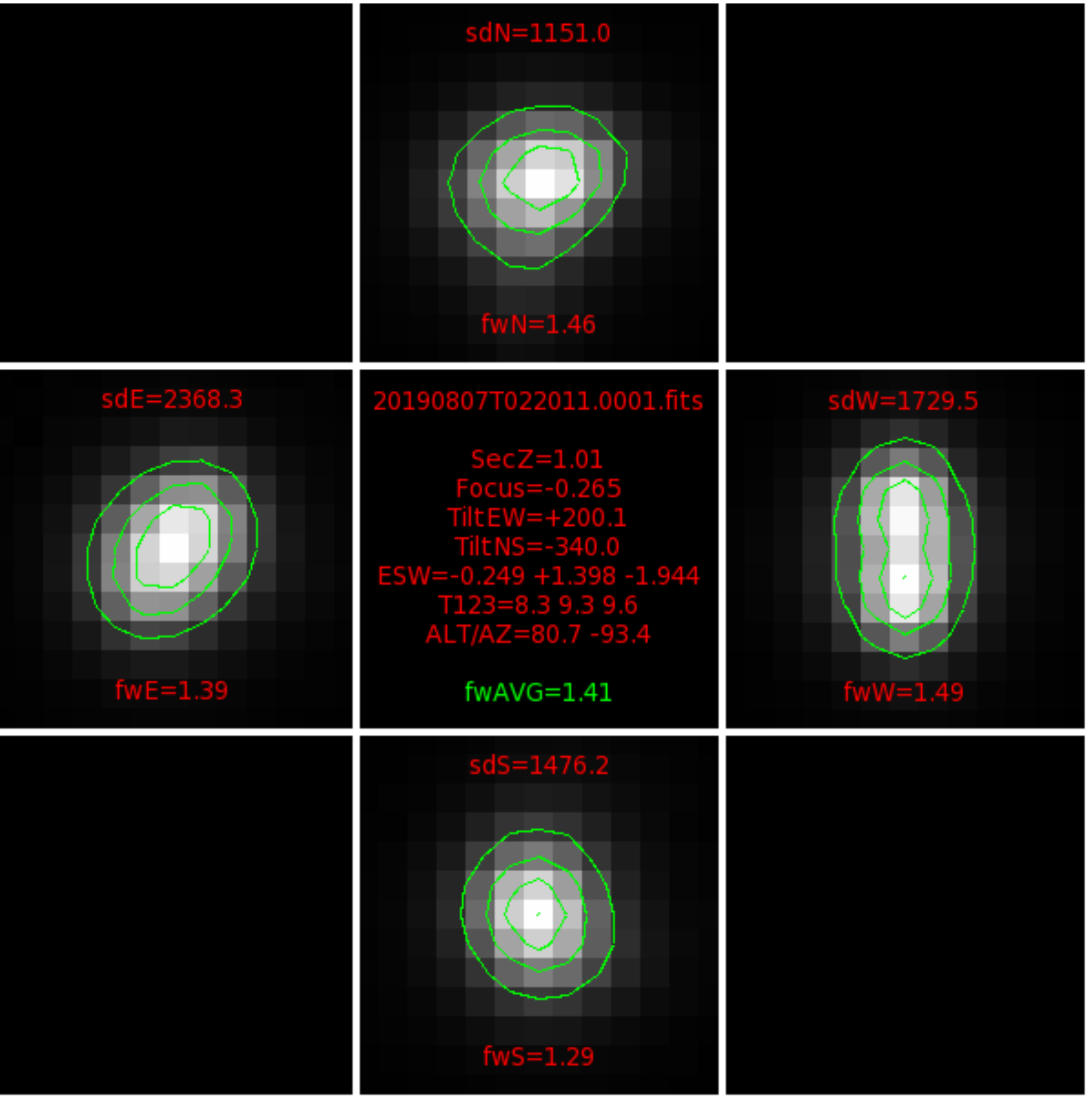
sdN=1151.0
fwN=1.46
sdE=2368.3
fwE=1.39
20190807T022011.0001.fits
SecZ=1.01
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.3 9.3 9.6
ALT/AZ=80.7 -93.4
fwAVG=1.41
sdW=1729.5
fwW=1.49
sdS=1476.2
fwS=1.29
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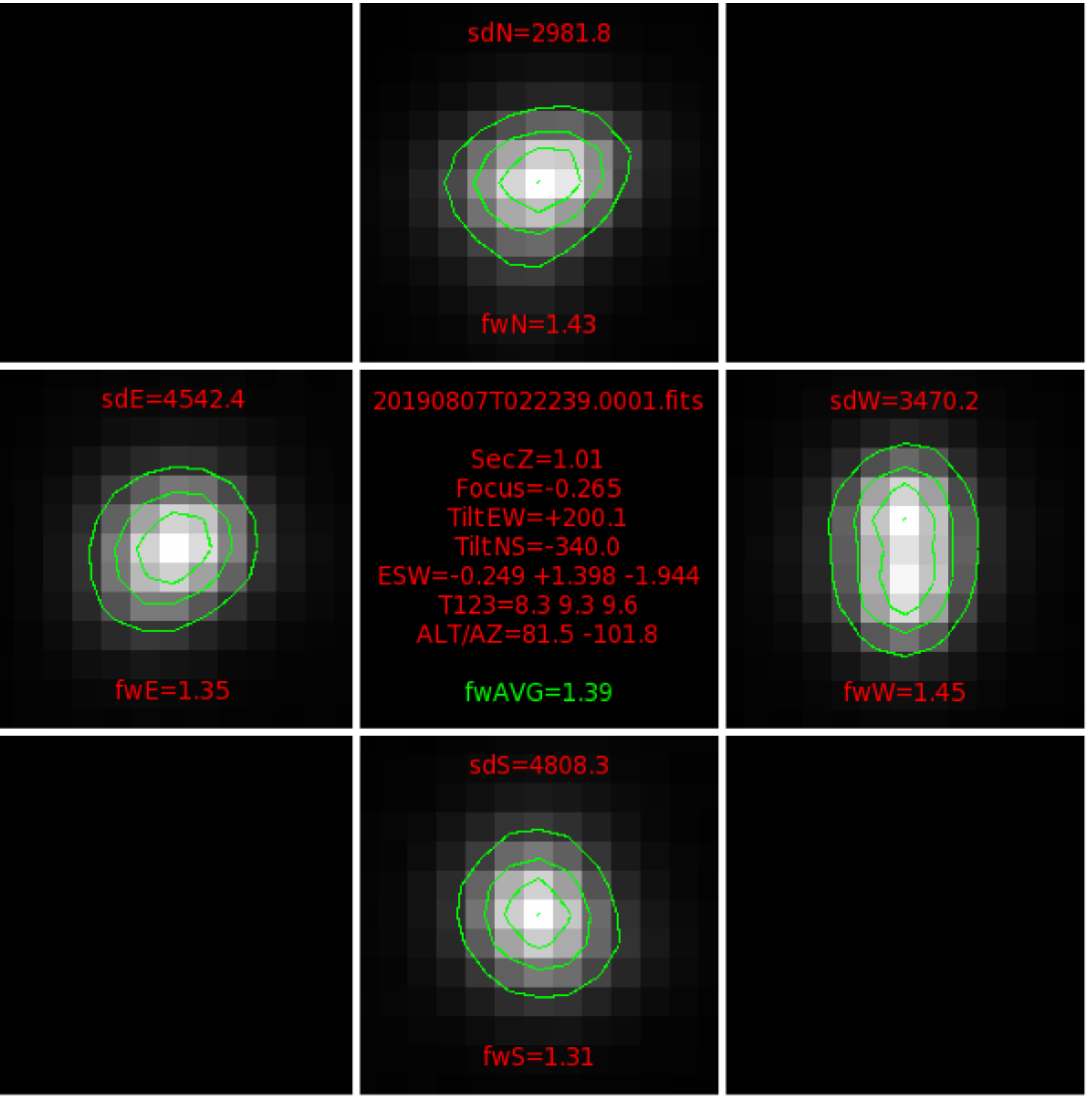
sdN=2981.8
fwN=1.43
sdE=4542.4
fwE=1.35
20190807T022239.0001.fits
SecZ=1.01
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.3 9.3 9.6
ALT/AZ=81.5 -101.8
fwAVG=1.39
sdW=3470.2
fwW=1.45
sdS=4808.3
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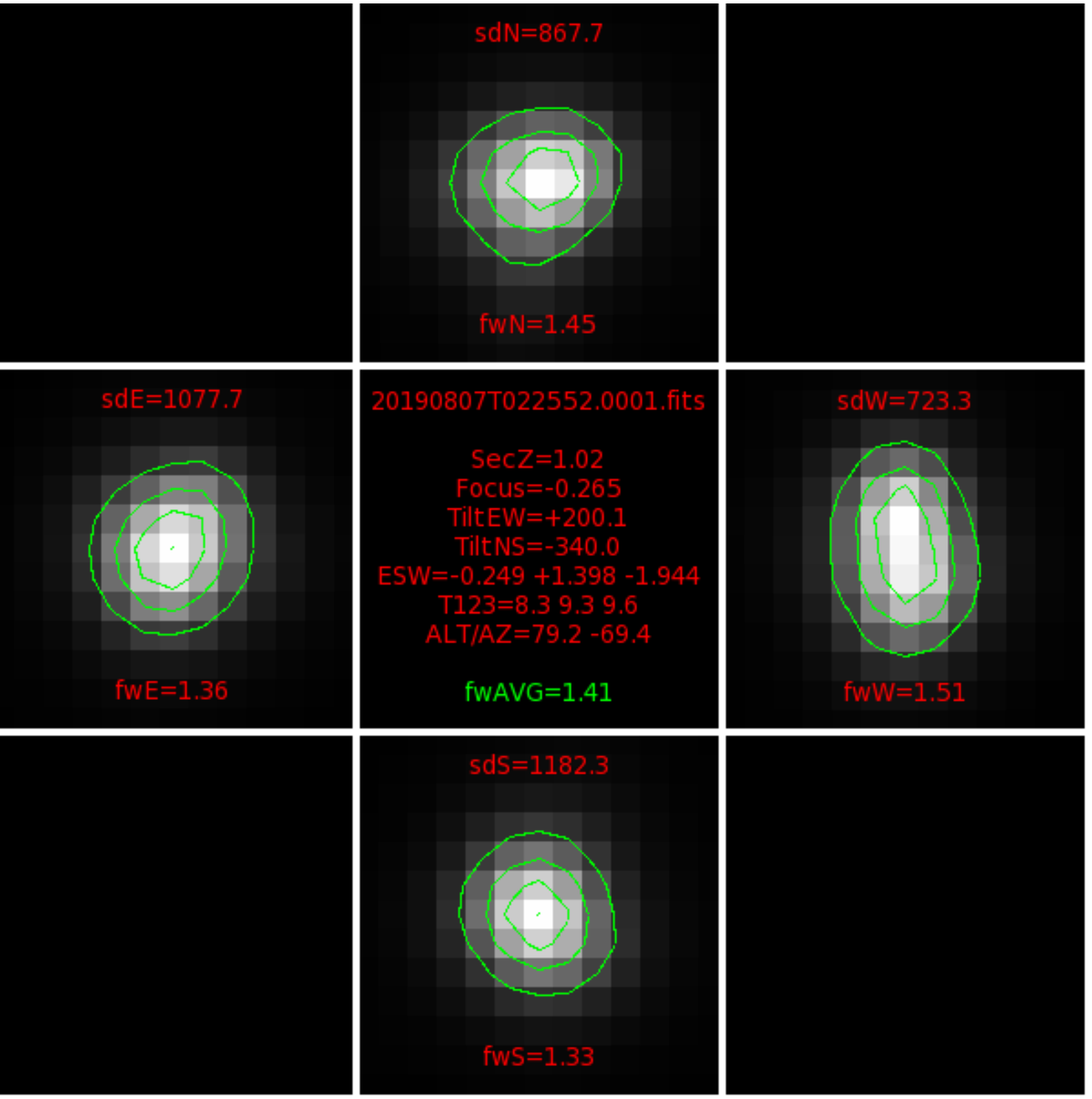
sdN=867.7
fwN=1.45
sdE=1077.7
fwE=1.36
20190807T022552.0001.fits
SecZ=1.02
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.3 9.3 9.6
ALT/AZ=79.2 -69.4
fwAVG=1.41
sdW=723.3
fwW=1.51
sdS=1182.3
fwS=1.33
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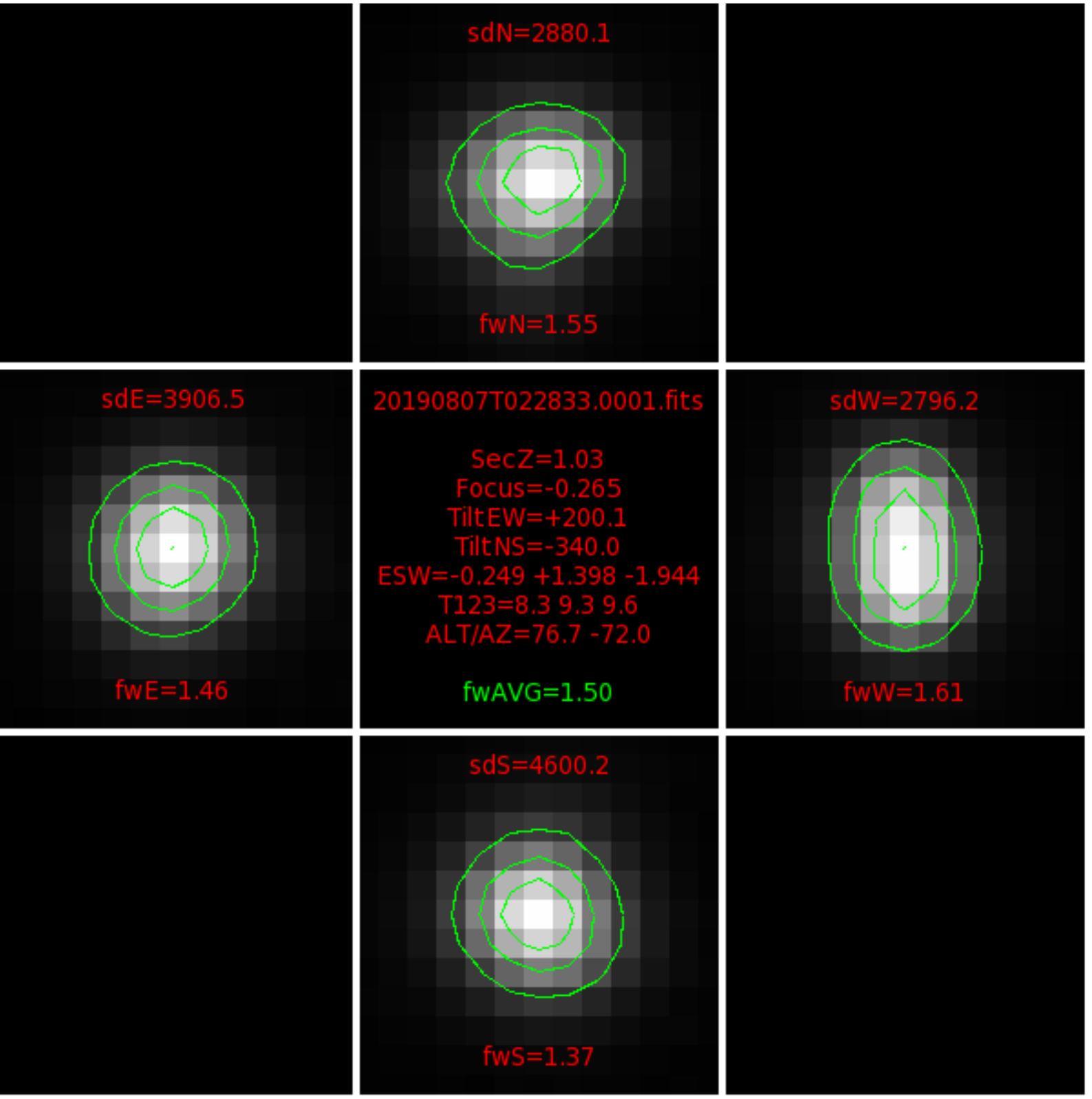
sdN=2880.1
fwN=1.55
sdE=3906.5
fwE=1.46
20190807T022833.0001.fits
SecZ=1.03
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.3 9.3 9.6
ALT/AZ=76.7 -72.0
fwAVG=1.50
sdW=2796.2
fwW=1.61
sdS=4600.2
fwS=1.37
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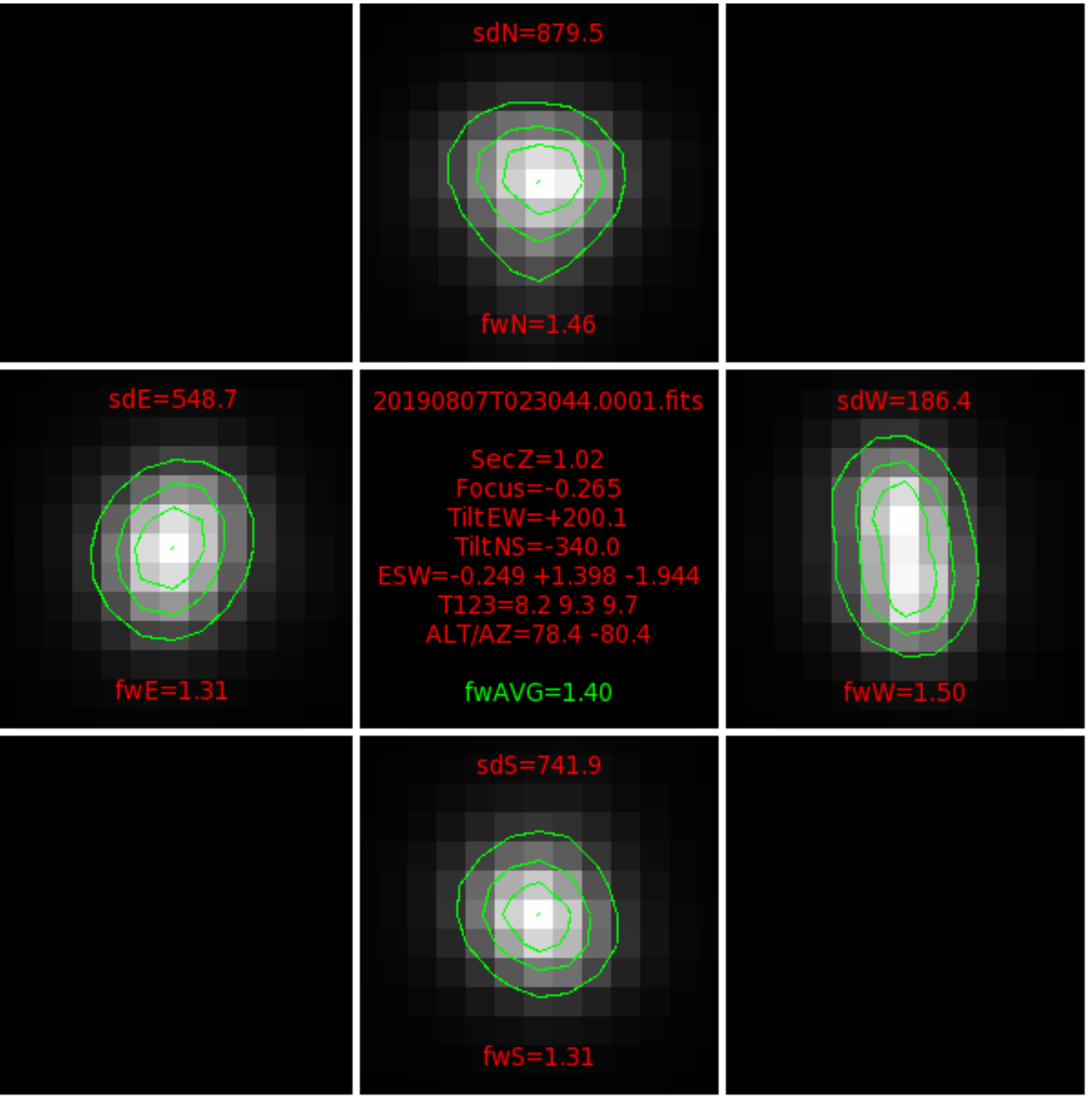
sdN=879.5
fwN=1.46
sdE=548.7
fwE=1.31
20190807T023044.0001.fits
SecZ=1.02
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.2 9.3 9.7
ALT/AZ=78.4 -80.4
fwAVG=1.40
sdW=186.4
fwW=1.50
sdS=741.9
fwS=1.31
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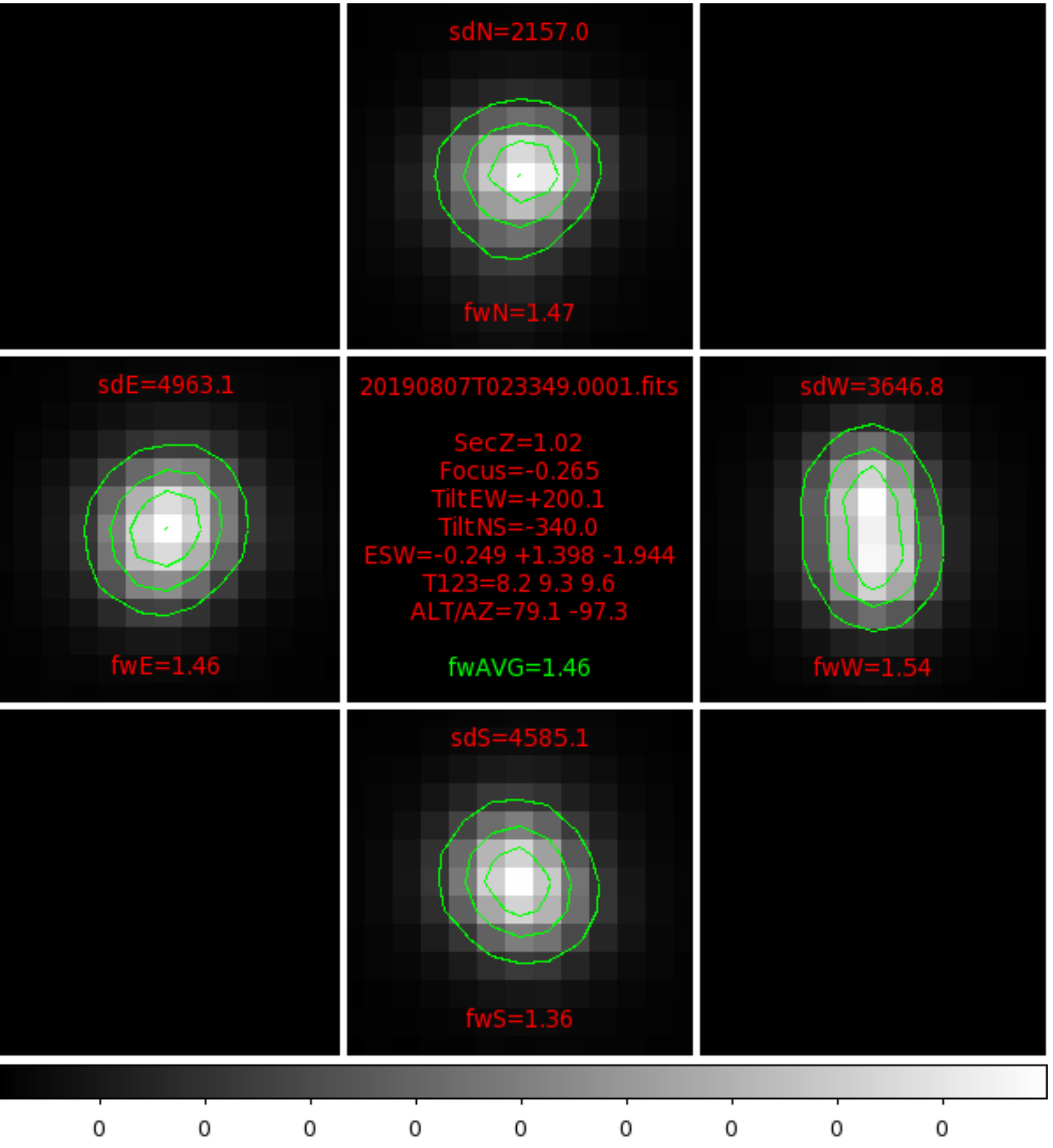
sdN=2157.0
fwN=1.47
sdE=4963.1
fwE=1.46
20190807T023349.0001.fits
SecZ=1.02
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.2 9.3 9.6
ALT/AZ=79.1 -97.3
fwAVG=1.46
sdW=3646.8
fwW=1.54
sdS=4585.1
fwS=1.36
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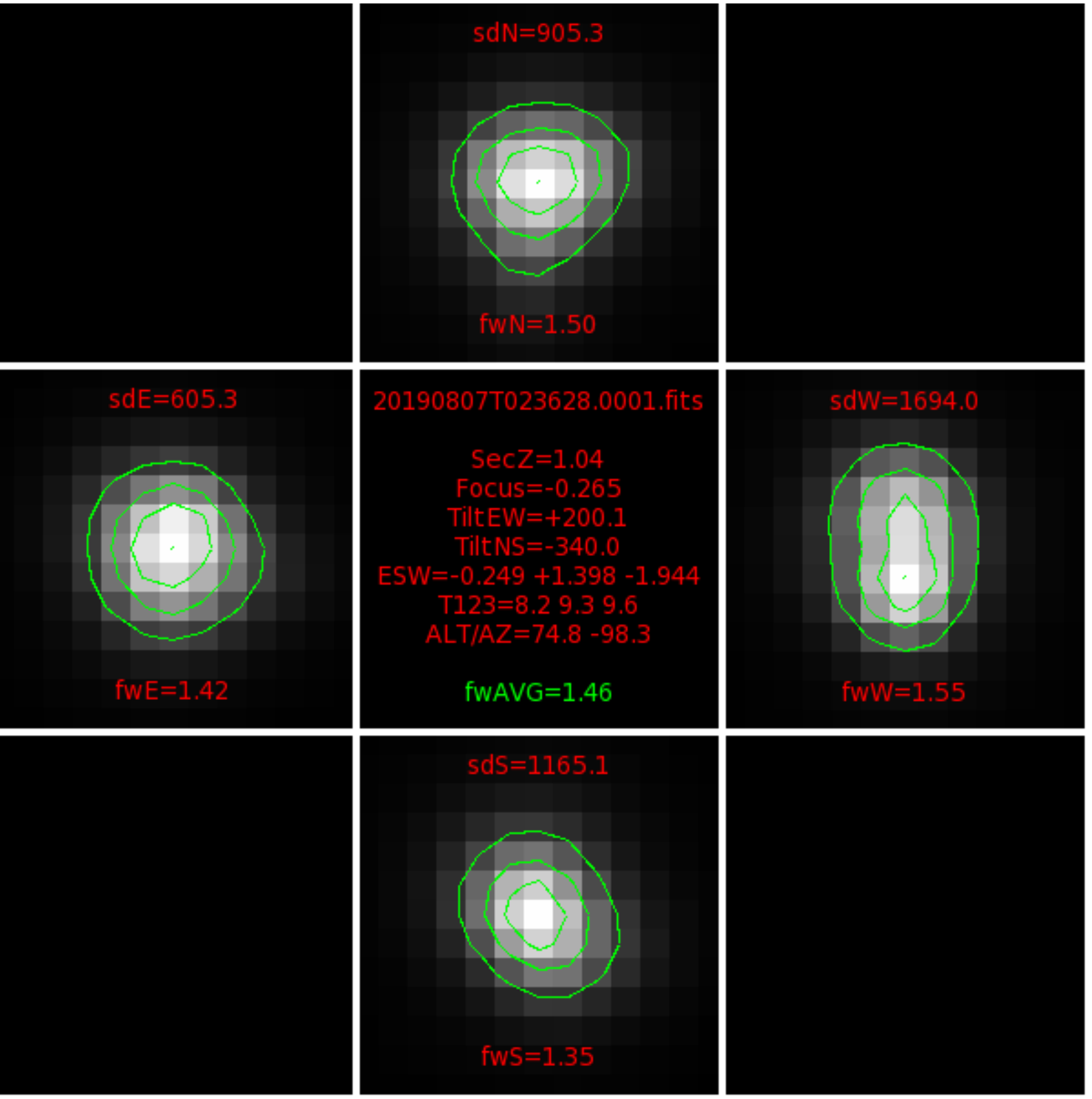
sdN=905.3
fwN=1.50
sdE=605.3
fwE=1.42
20190807T023628.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.2 9.3 9.6
ALT/AZ=74.8 -98.3
fwAVG=1.46
sdW=1694.0
fwW=1.55
sdS=1165.1
fwS=1.35
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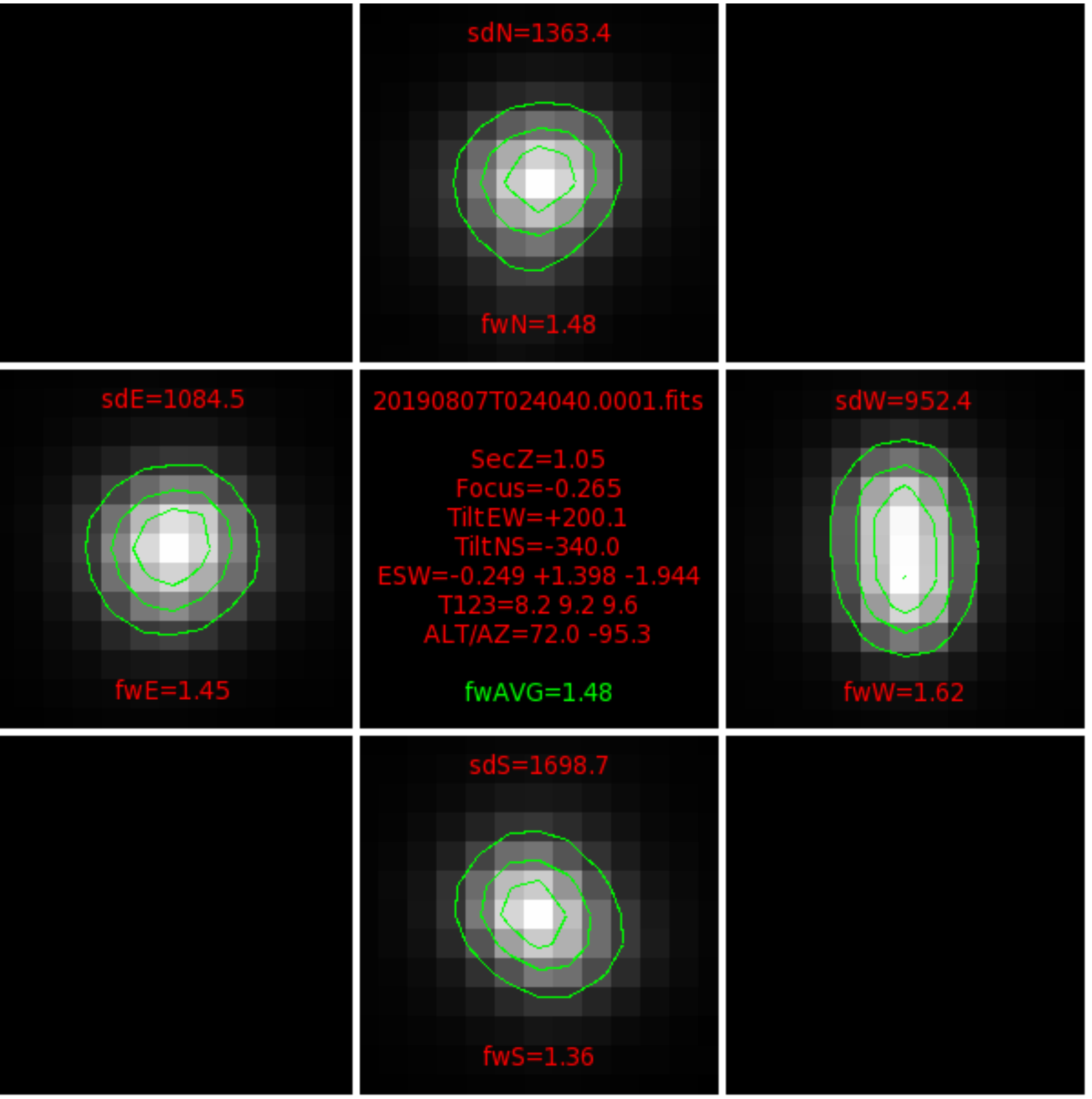
sdN=1363.4
fwN=1.48
sdE=1084.5
fwE=1.45
20190807T024040.0001.fits
SecZ=1.05
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.2 9.2 9.6
ALT/AZ=72.0 -95.3
fwAVG=1.48
sdW=952.4
fwW=1.62
sdS=1698.7
fwS=1.36
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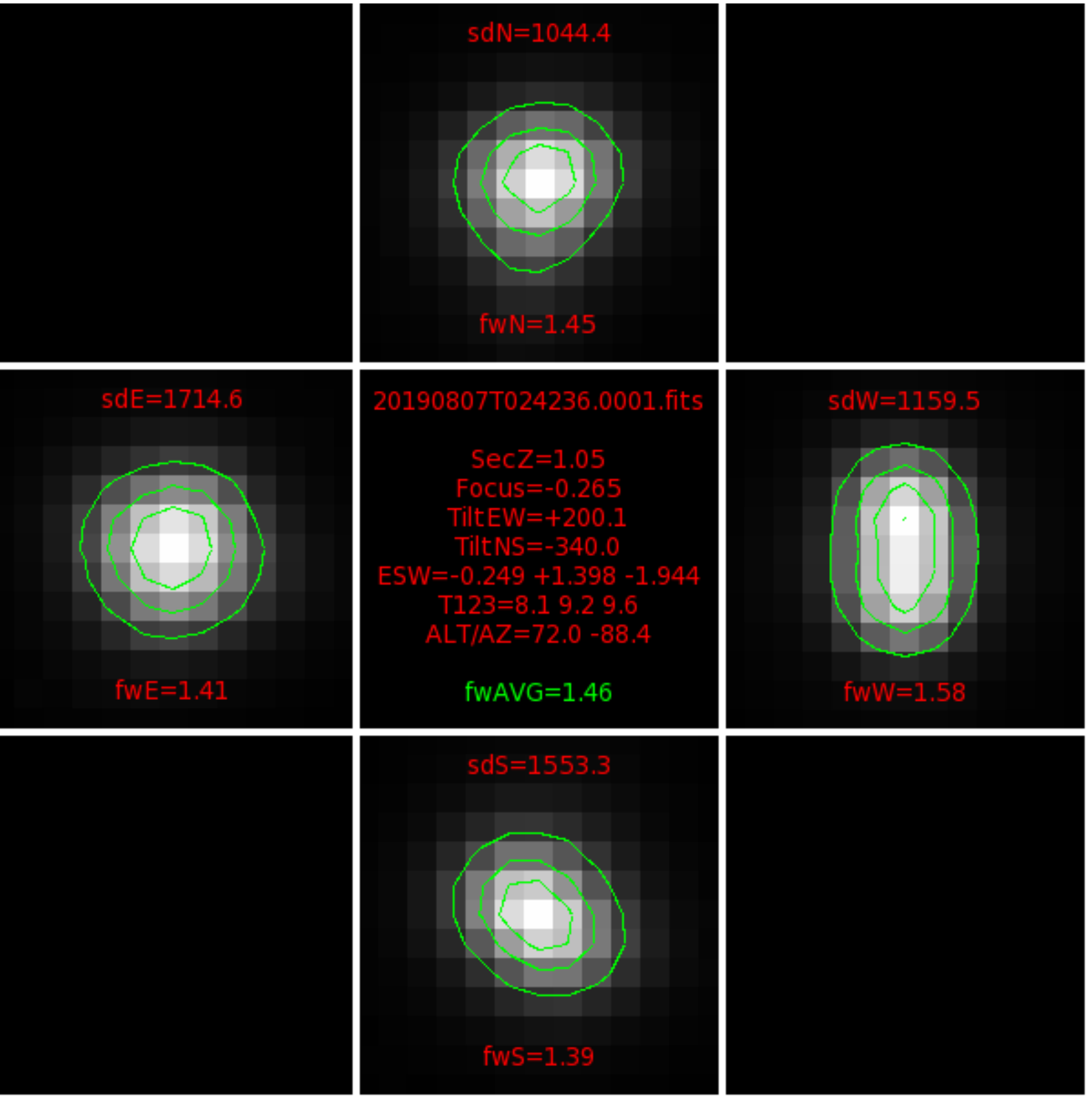
sdN=1044.4
fwN=1.45
sdE=1714.6
fwE=1.41
20190807T024236.0001.fits
SecZ=1.05
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.2 9.6
ALT/AZ=72.0 -88.4
fwAVG=1.46
sdW=1159.5
fwW=1.58
sdS=1553.3
fwS=1.39
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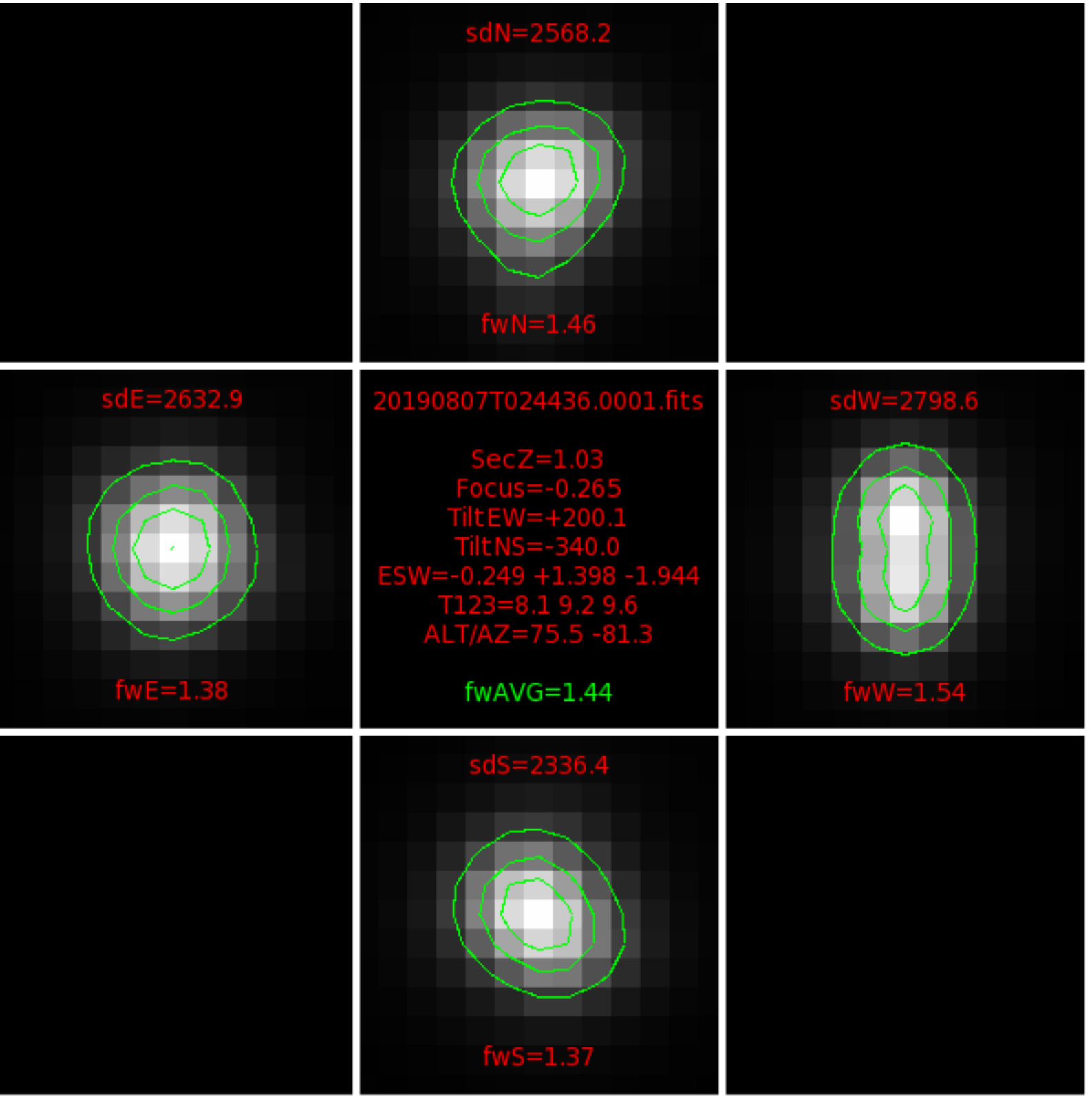
sdN=2568.2
fwN=1.46
sdE=2632.9
fwE=1.38
20190807T024436.0001.fits
SecZ=1.03
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.2 9.6
ALT/AZ=75.5 -81.3
fwAVG=1.44
sdW=2798.6
fwW=1.54
sdS=2336.4
fwS=1.37
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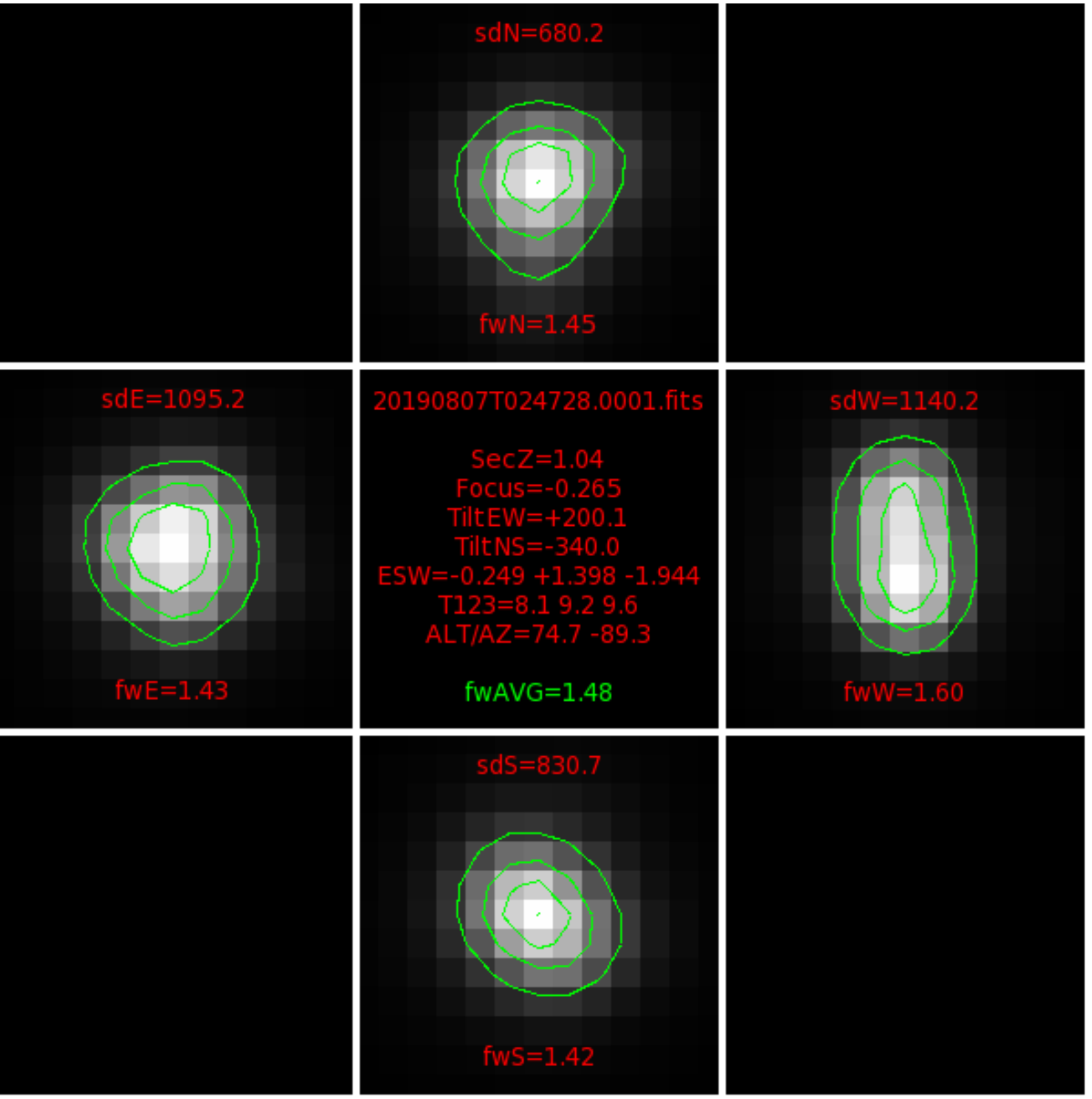
sdN=680.2
fwN=1.45
sdE=1095.2
fwE=1.43
20190807T024728.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.2 9.6
ALT/AZ=74.7 -89.3
fwAVG=1.48
sdW=1140.2
fwW=1.60
sdS=830.7
fwS=1.42
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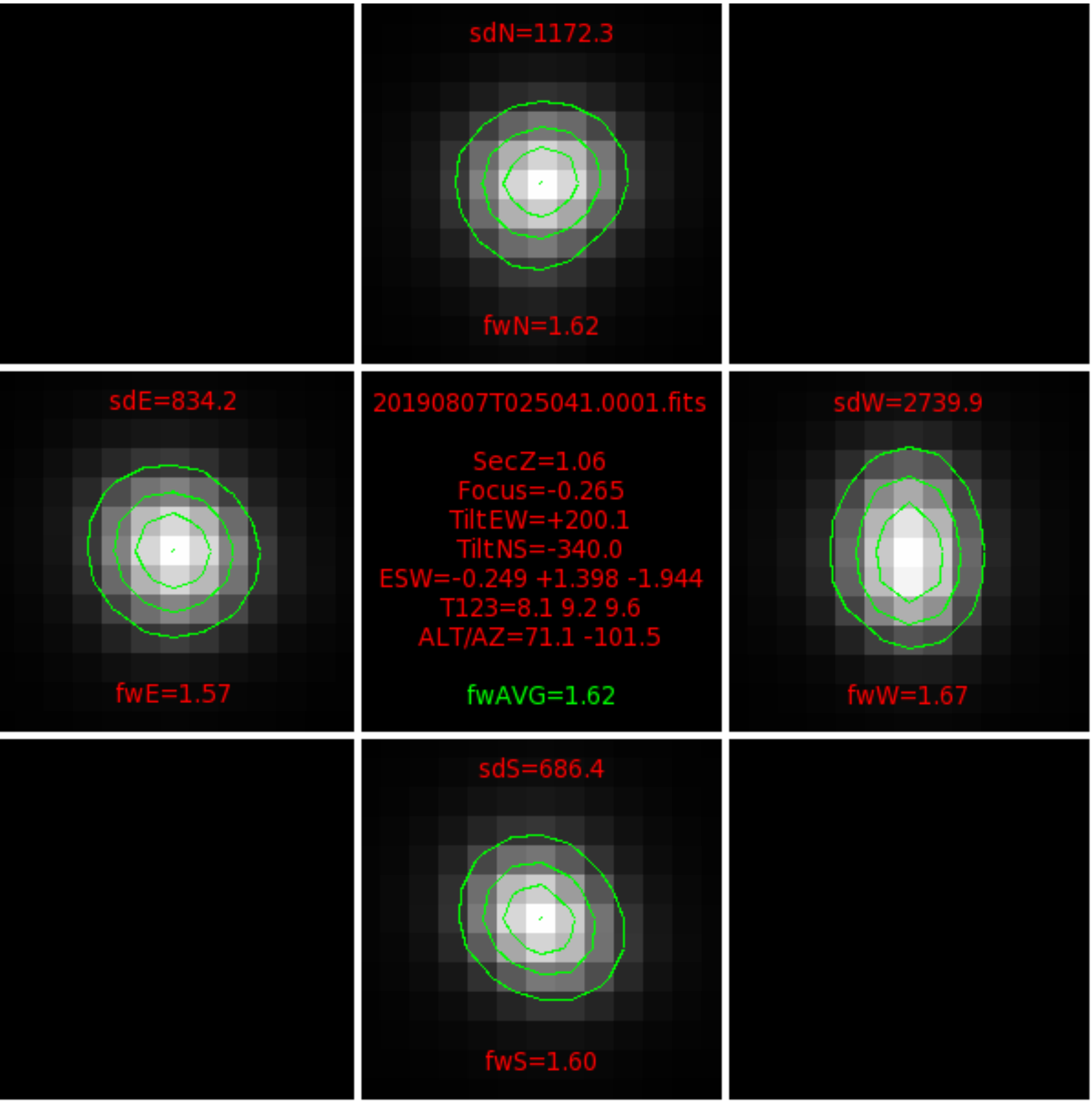
sdN=1172.3
fwN=1.62
sdE=834.2
fwE=1.57
20190807T025041.0001.fits
SecZ=1.06
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.2 9.6
ALT/AZ=71.1 -101.5
fwAVG=1.62
sdW=2739.9
fwW=1.67
sdS=686.4
fwS=1.60
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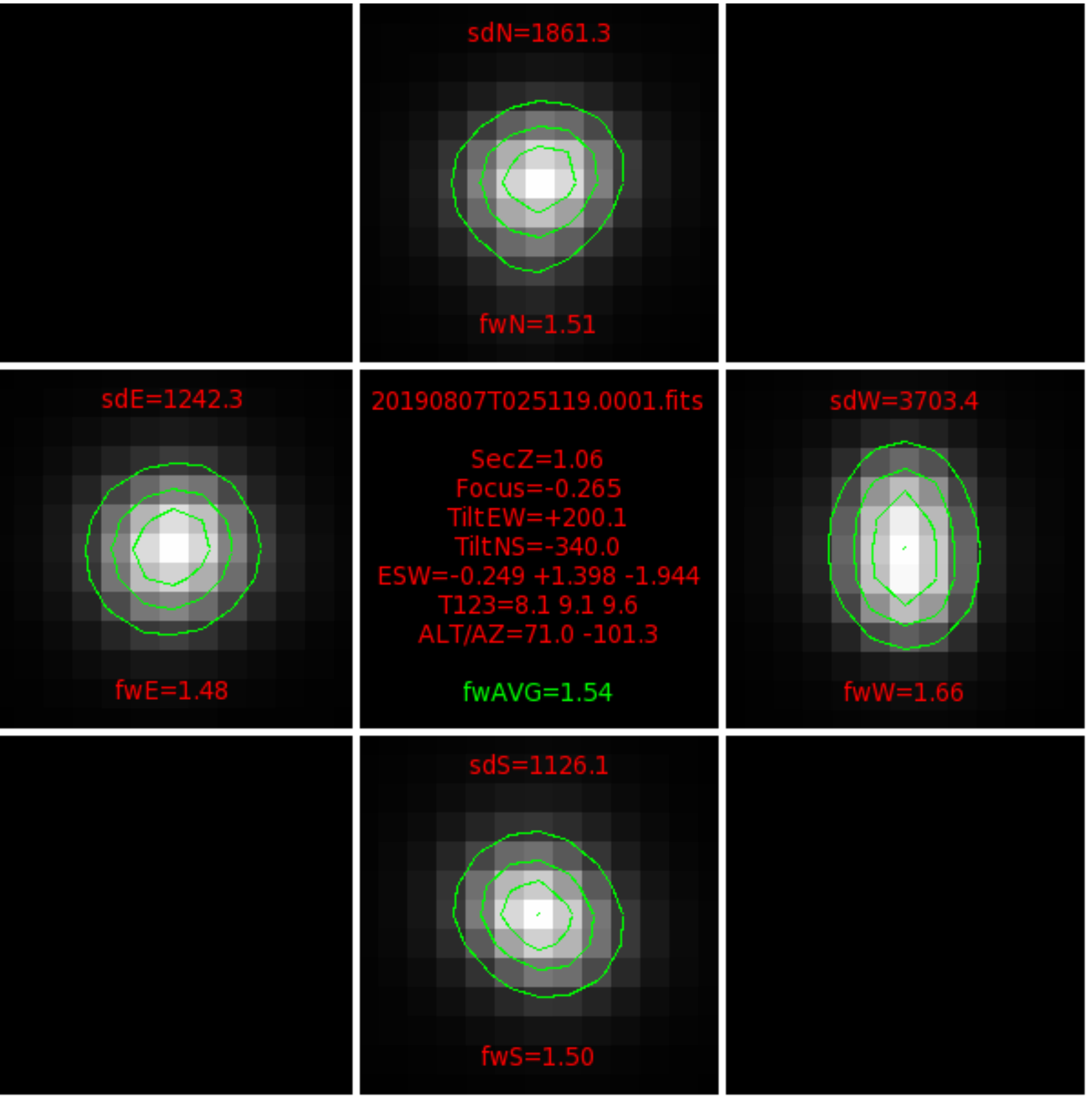
sdN=1861.3
fwN=1.51
sdE=1242.3
fwE=1.48
20190807T025119.0001.fits
SecZ=1.06
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.1 9.6
ALT/AZ=71.0 -101.3
fwAVG=1.54
sdW=3703.4
fwW=1.66
sdS=1126.1
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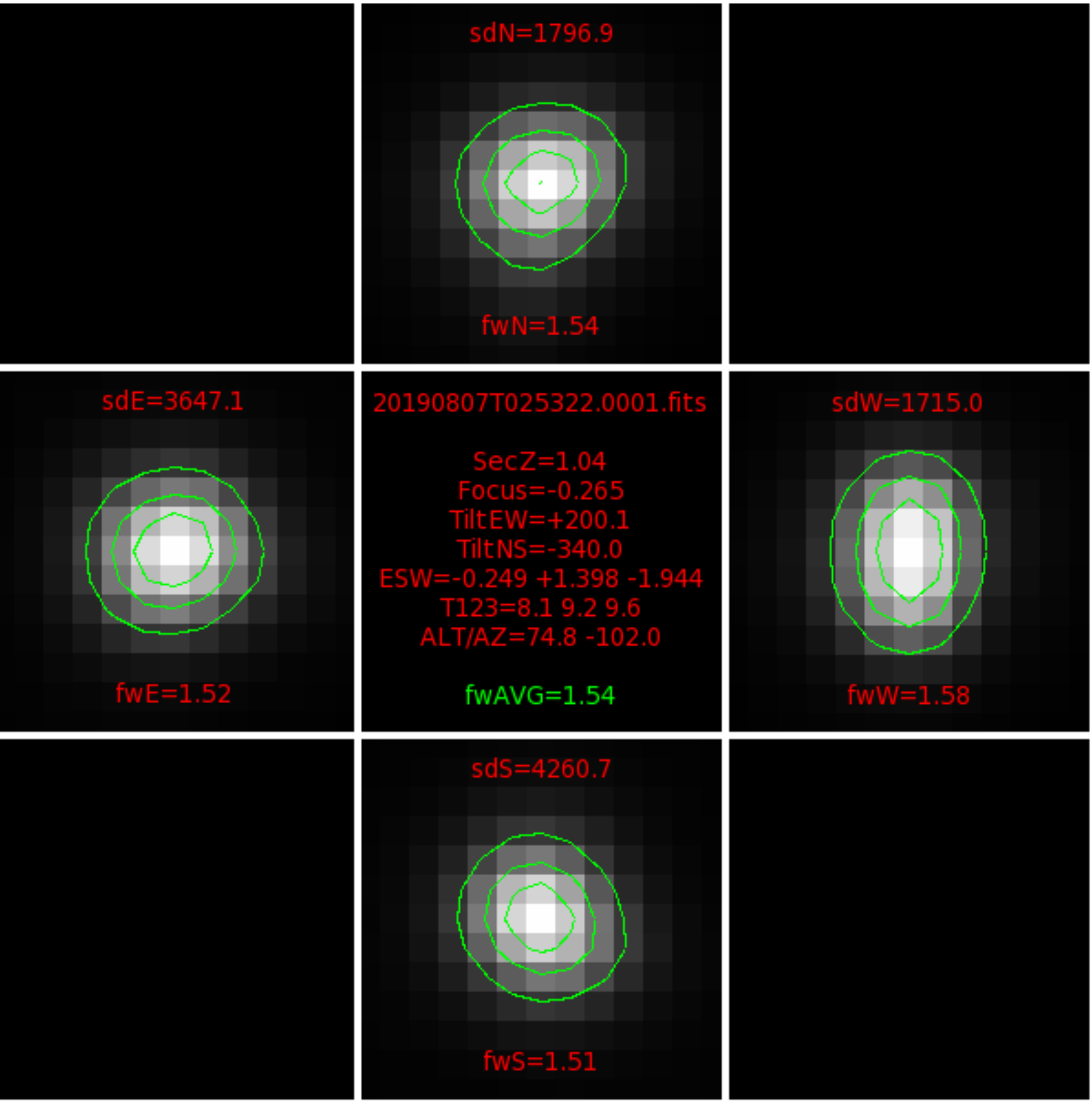
sdN=1796.9
fwN=1.54
sdE=3647.1
fwE=1.52
20190807T025322.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.2 9.6
ALT/AZ=74.8 -102.0
fwAVG=1.54
sdW=1715.0
fwW=1.58
sdS=4260.7
fwS=1.51
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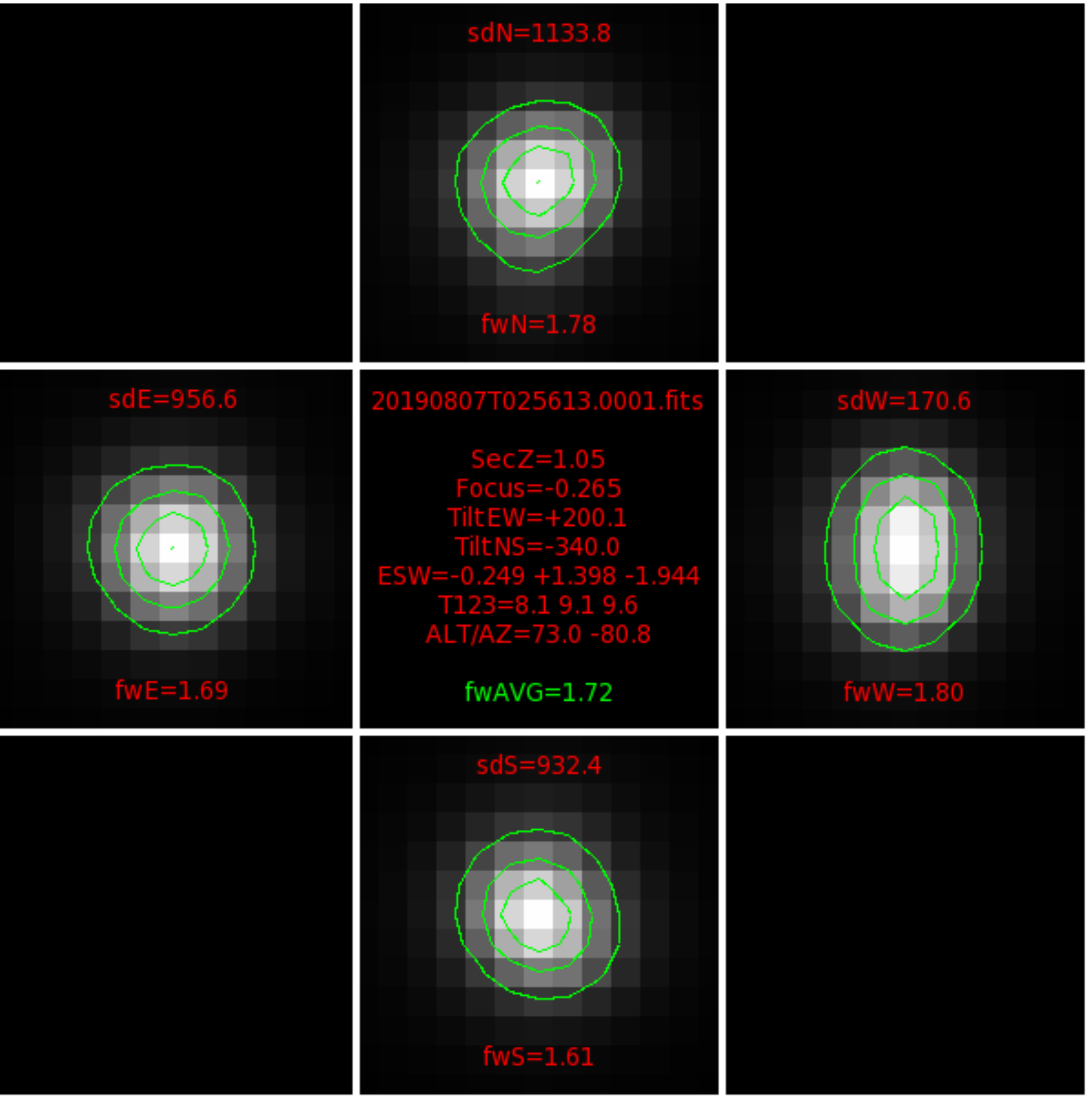
sdN=1133.8
fwN=1.78
sdE=956.6
fwE=1.69
20190807T025613.0001.fits
SecZ=1.05
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.1 9.6
ALT/AZ=73.0 -80.8
fwAVG=1.72
sdW=170.6
fwW=1.80
sdS=932.4
fwS=1.61
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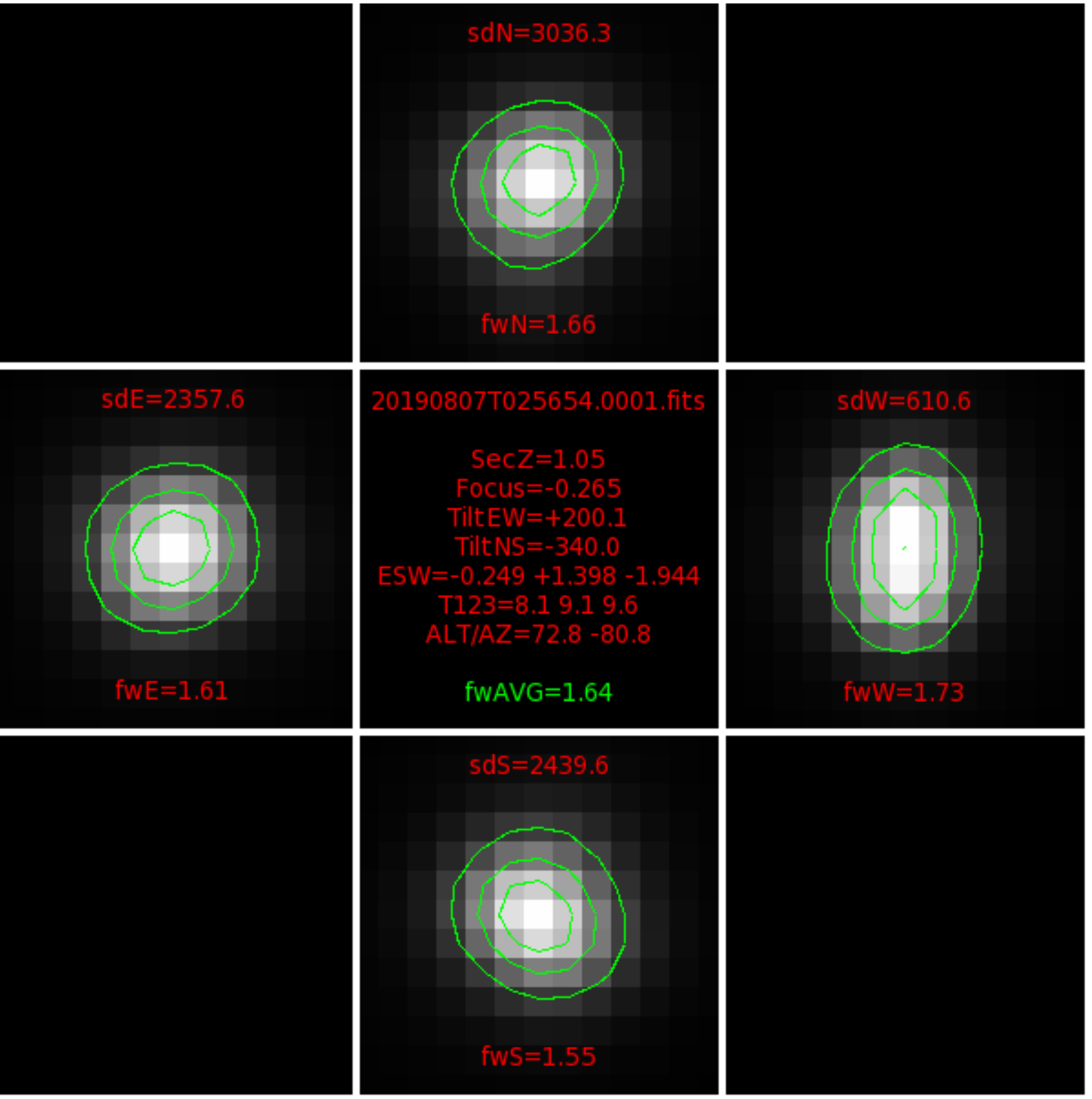
sdN=3036.3
fwN=1.66
sdE=2357.6
fwE=1.61
20190807T025654.0001.fits
SecZ=1.05
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.1 9.6
ALT/AZ=72.8 -80.8
fwAVG=1.64
sdW=610.6
fwW=1.73
sdS=2439.6
fwS=1.55
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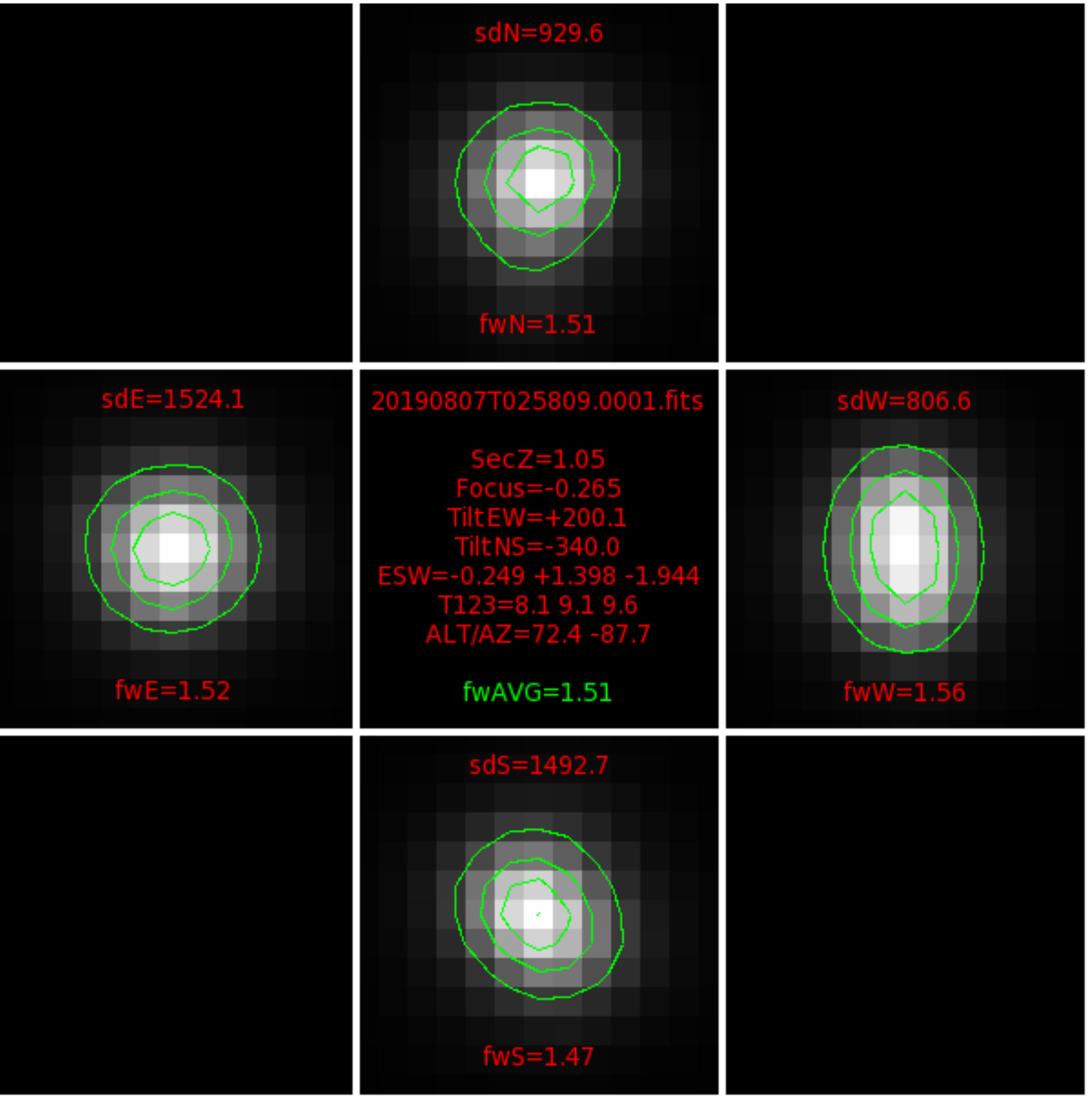
sdN=929.6
fwN=1.51
sdE=1524.1
fwE=1.52
20190807T025809.0001.fits
SecZ=1.05
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.1 9.6
ALT/AZ=72.4 -87.7
fwAVG=1.51
sdW=806.6
fwW=1.56
sdS=1492.7
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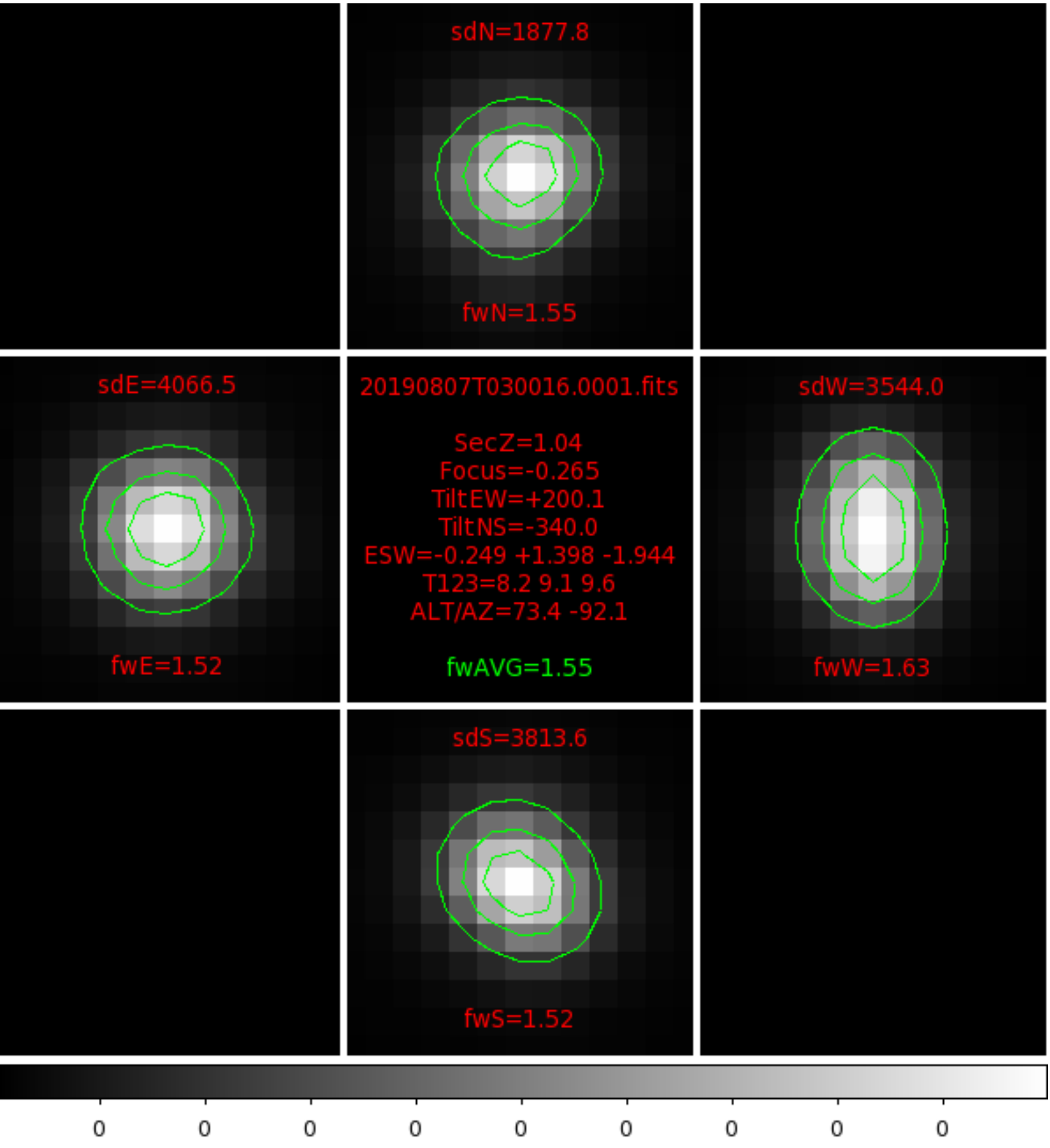
sdN=1877.8
fwN=1.55
sdE=4066.5
fwE=1.52
20190807T030016.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.2 9.1 9.6
ALT/AZ=73.4 -92.1
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sdW=3544.0
fwW=1.63
sdS=3813.6
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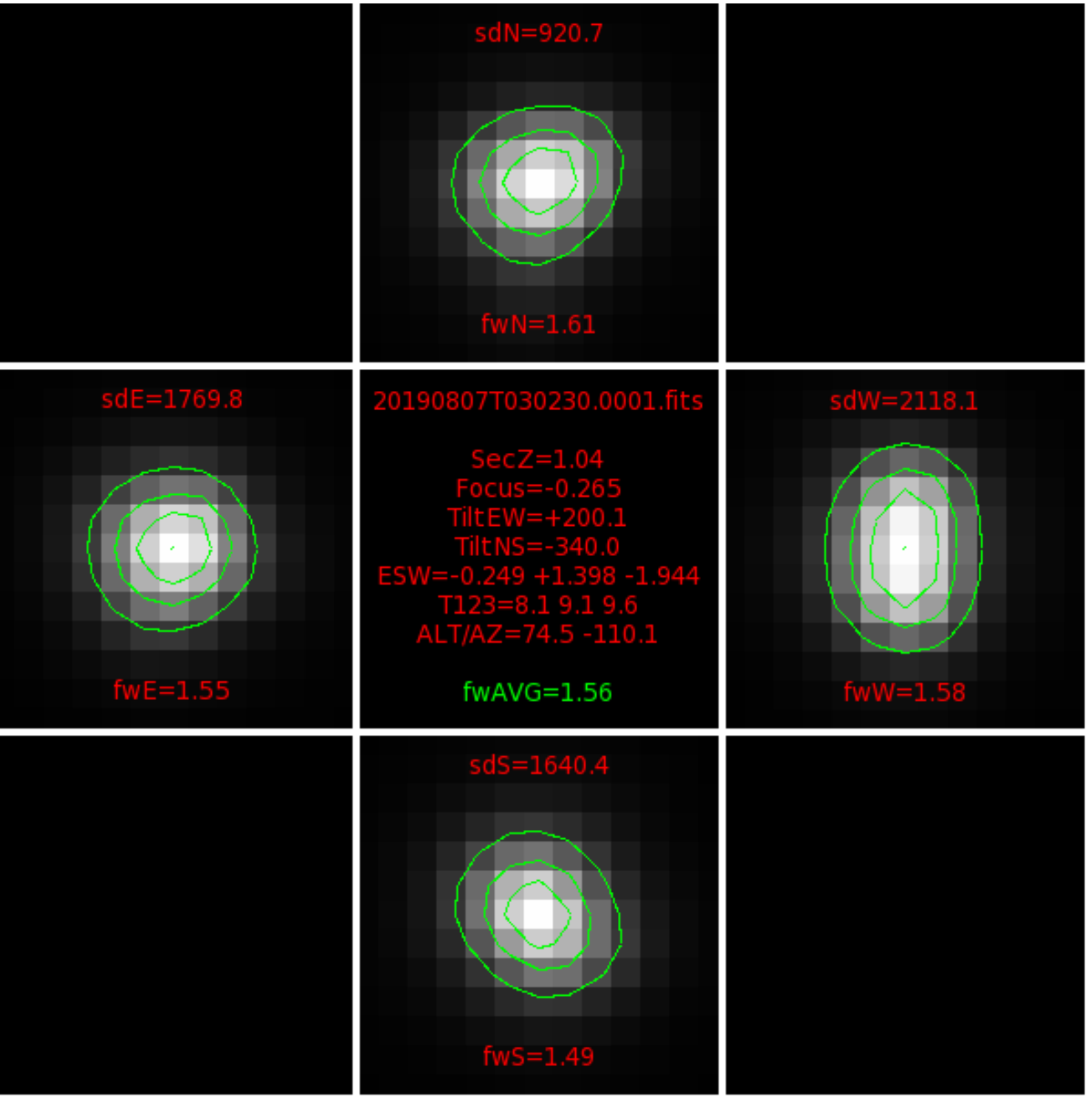
sdN=920.7
fwN=1.61
sdE=1769.8
fwE=1.55
20190807T030230.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.1 9.6
ALT/AZ=74.5 -110.1
fwAVG=1.56
sdW=2118.1
fwW=1.58
sdS=1640.4
fwS=1.49
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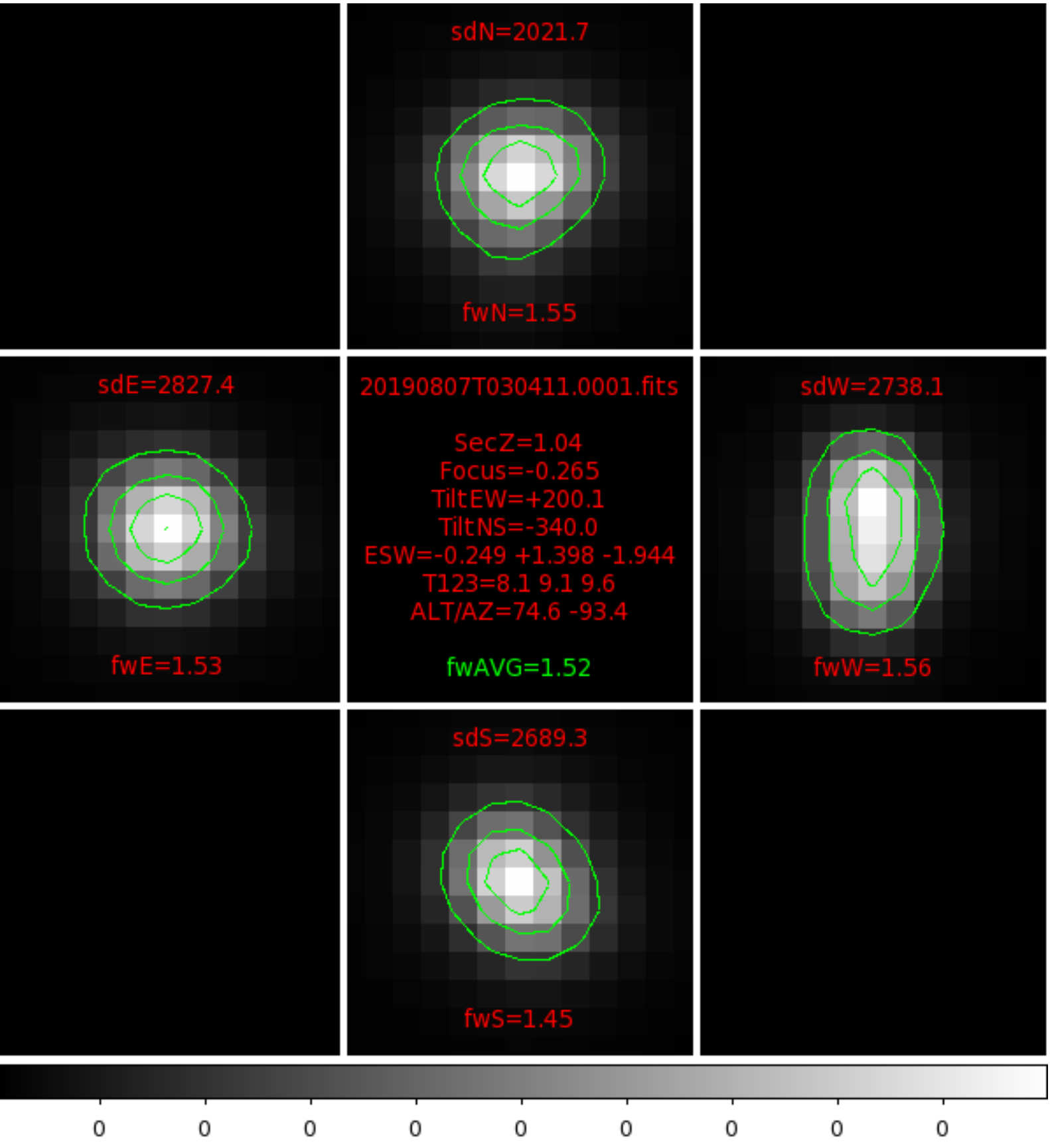
sdN=2021.7
fwN=1.55
sdE=2827.4
fwE=1.53
20190807T030411.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.1 9.6
ALT/AZ=74.6 -93.4
fwAVG=1.52
sdW=2738.1
fwW=1.56
sdS=2689.3
fwS=1.45
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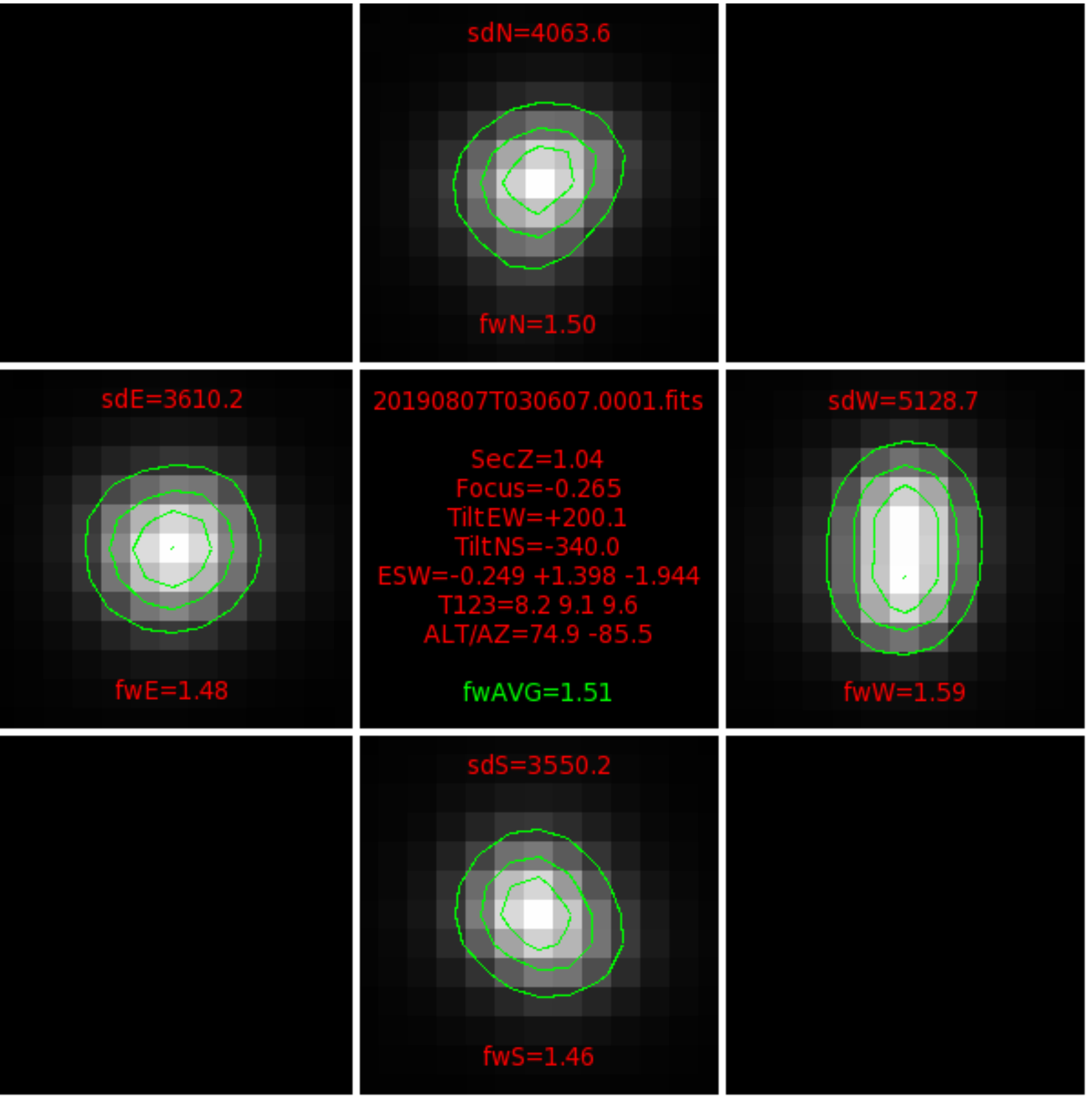
sdN=4063.6
fwN=1.50
sdE=3610.2
fwE=1.48
20190807T030607.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.2 9.1 9.6
ALT/AZ=74.9 -85.5
fwAVG=1.51
sdW=5128.7
fwW=1.59
sdS=3550.2
fwS=1.46
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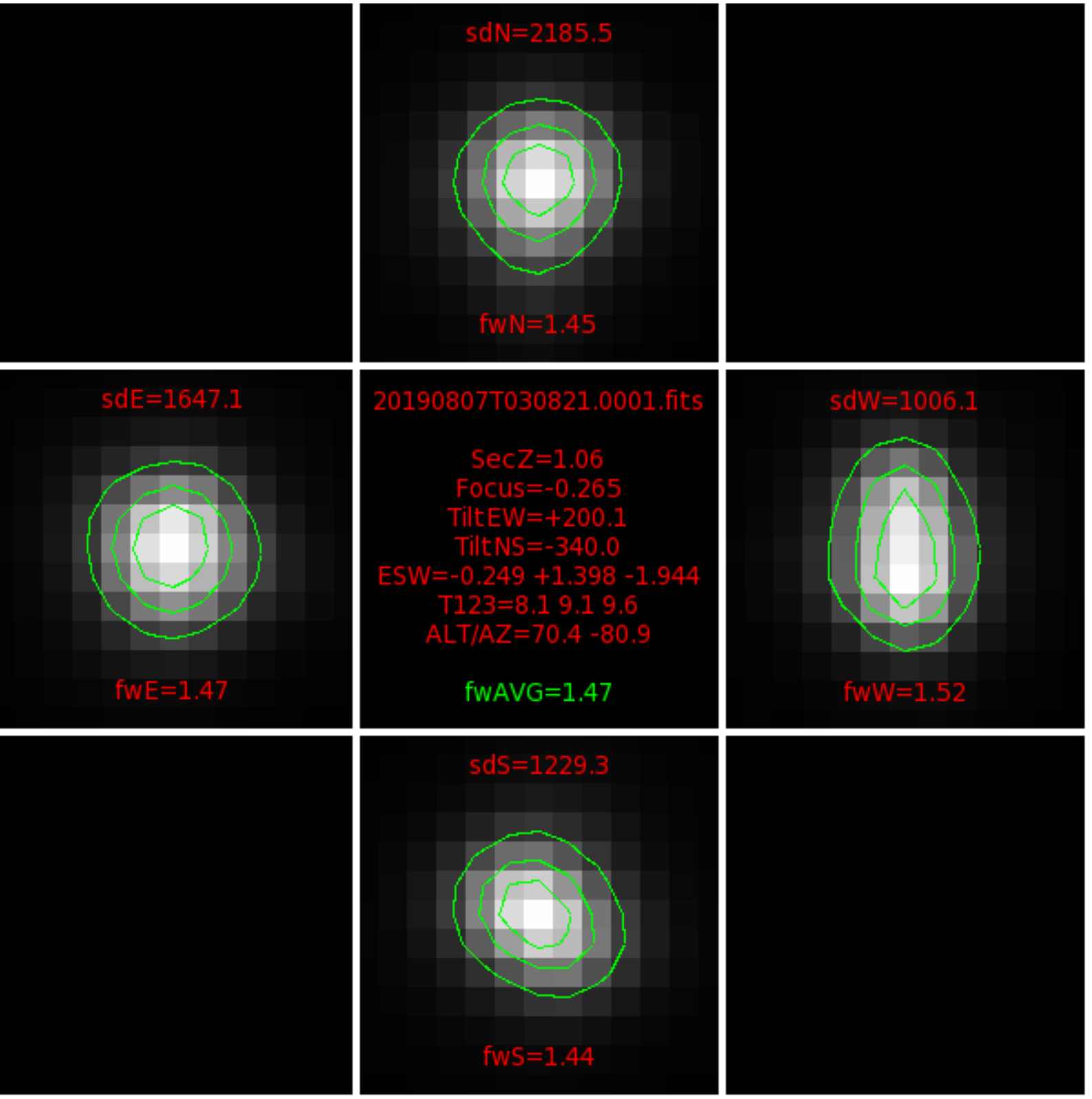
sdN=2185.5
fwN=1.45
sdE=1647.1
fwE=1.47
20190807T030821.0001.fits
SecZ=1.06
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.1 9.6
ALT/AZ=70.4 -80.9
fwAVG=1.47
sdW=1006.1
fwW=1.52
sdS=1229.3
fwS=1.44
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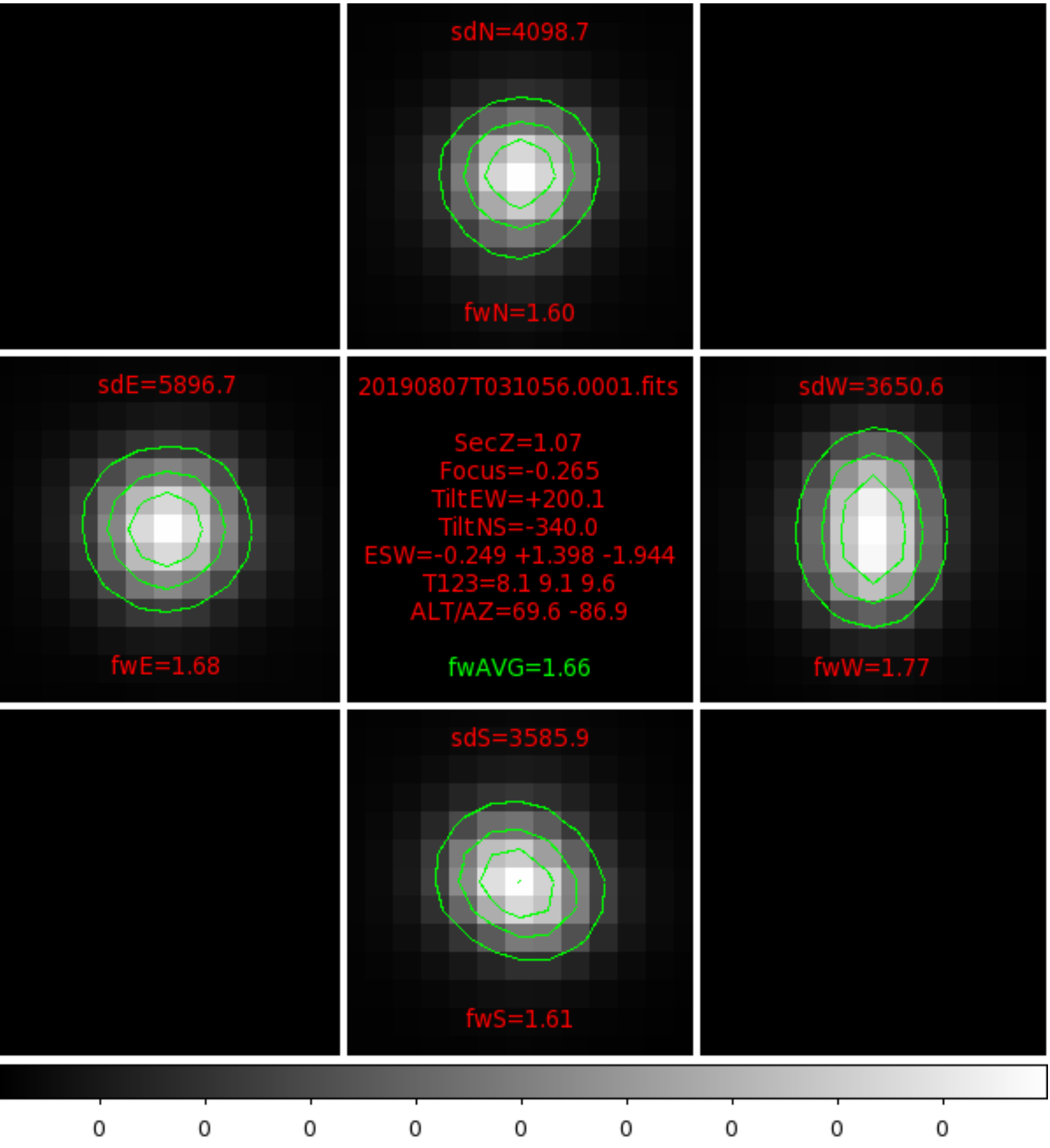
sdN=4098.7
fwN=1.60
sdE=5896.7
fwE=1.68
20190807T031056.0001.fits
SecZ=1.07
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.1 9.6
ALT/AZ=69.6 -86.9
fwAVG=1.66
sdW=3650.6
fwW=1.77
sdS=3585.9
fwS=1.61
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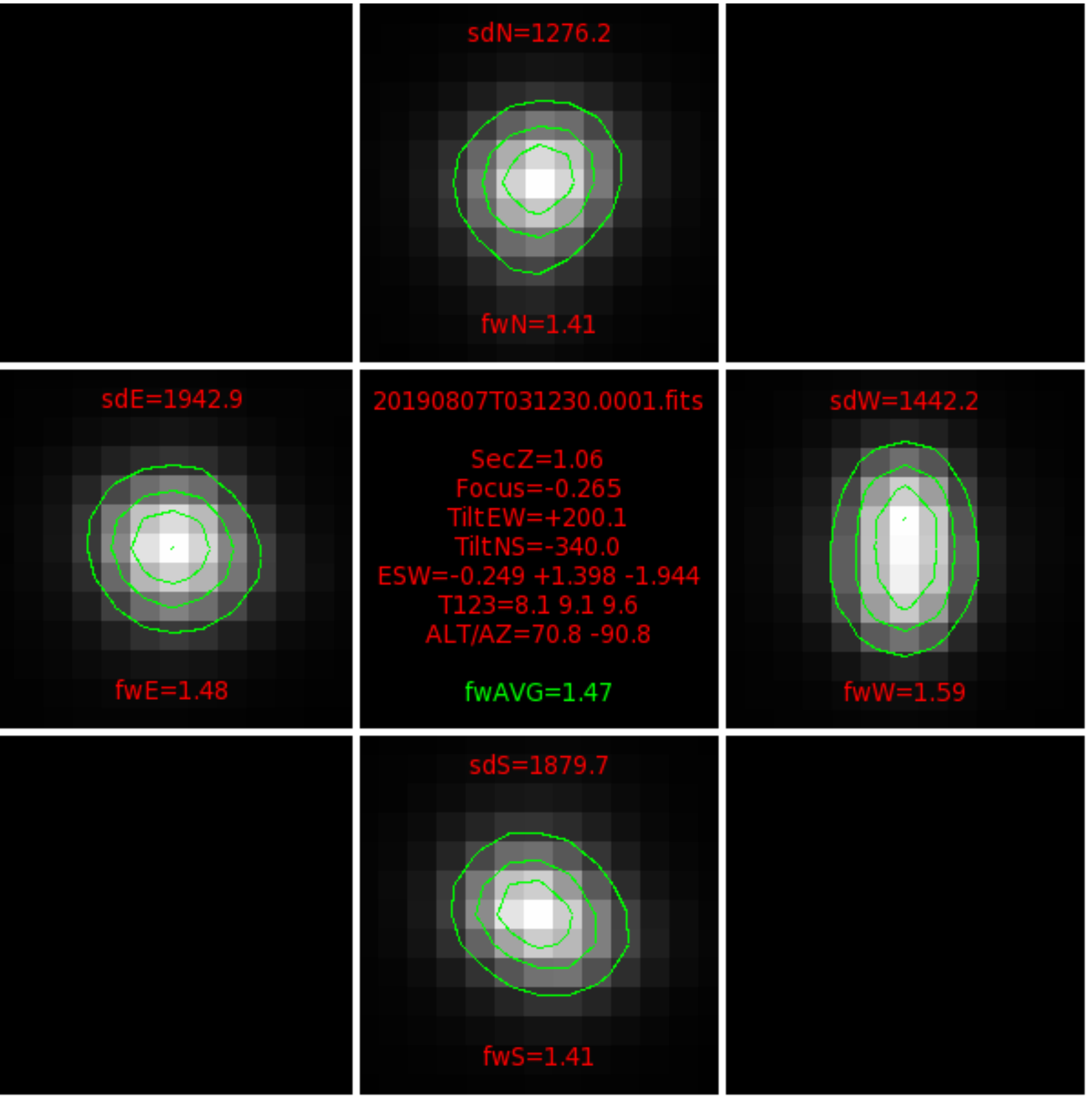
sdN=1276.2
fwN=1.41
sdE=1942.9
fwE=1.48
20190807T031230.0001.fits
SecZ=1.06
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.1 9.6
ALT/AZ=70.8 -90.8
fwAVG=1.47
sdW=1442.2
fwW=1.59
sdS=1879.7
fwS=1.41
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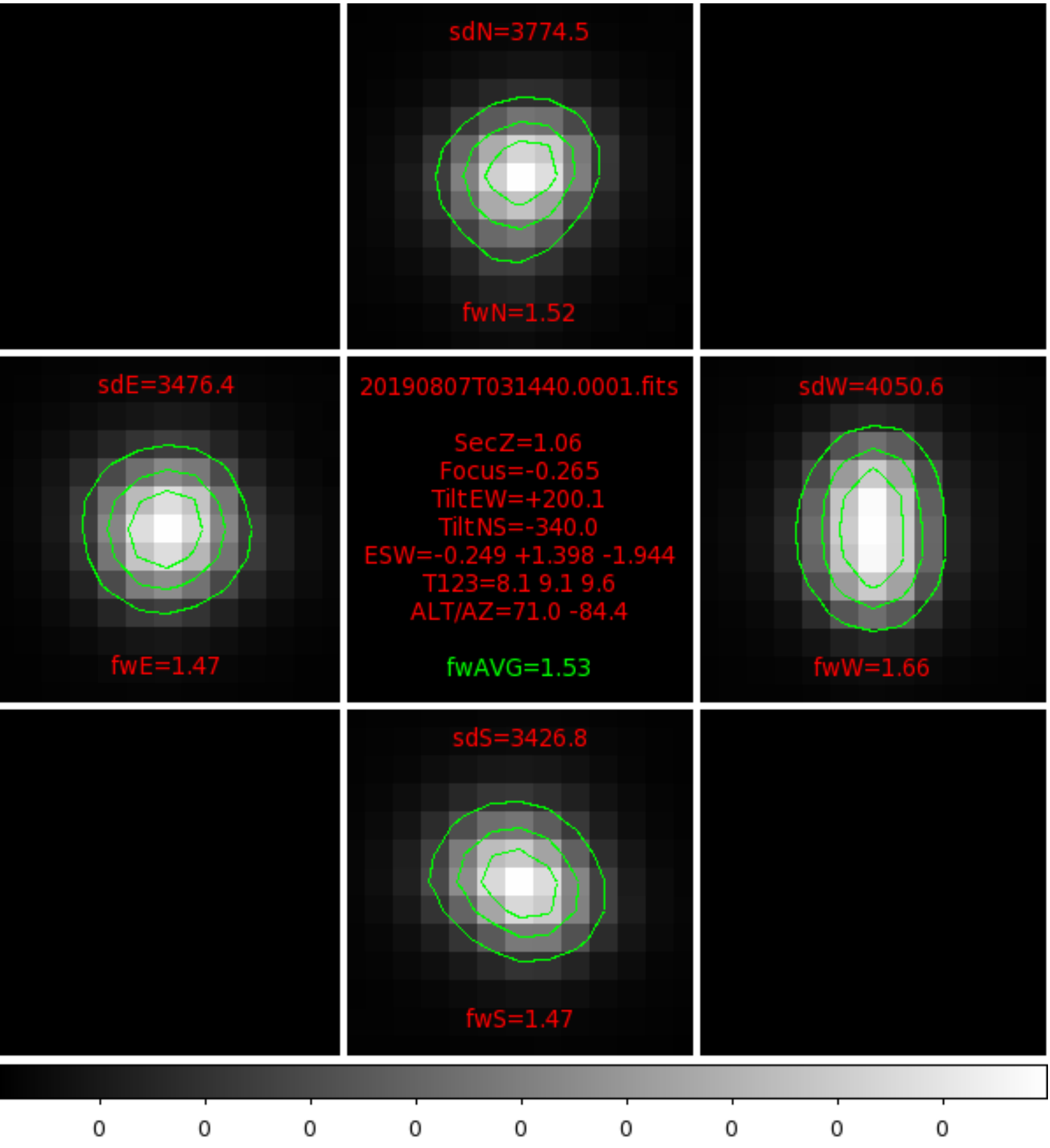
sdN=3774.5
fwN=1.52
sdE=3476.4
fwE=1.47
20190807T031440.0001.fits
SecZ=1.06
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.1 9.6
ALT/AZ=71.0 -84.4
fwAVG=1.53
sdW=4050.6
fwW=1.66
sdS=3426.8
fwS=1.47
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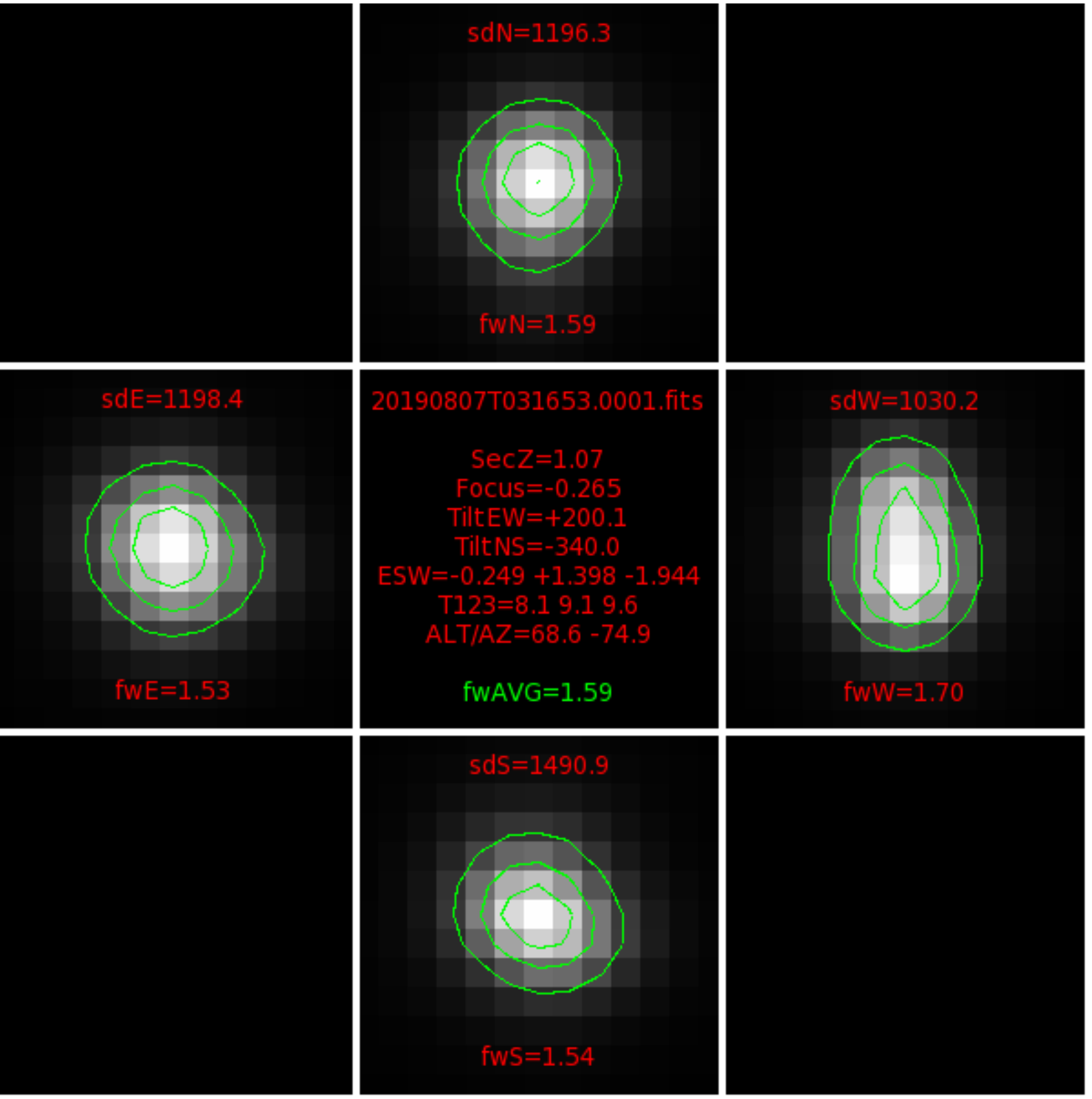
sdN=1196.3
fwN=1.59
sdE=1198.4
fwE=1.53
20190807T031653.0001.fits
SecZ=1.07
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.1 9.6
ALT/AZ=68.6 -74.9
fwAVG=1.59
sdW=1030.2
fwW=1.70
sdS=1490.9
fwS=1.54
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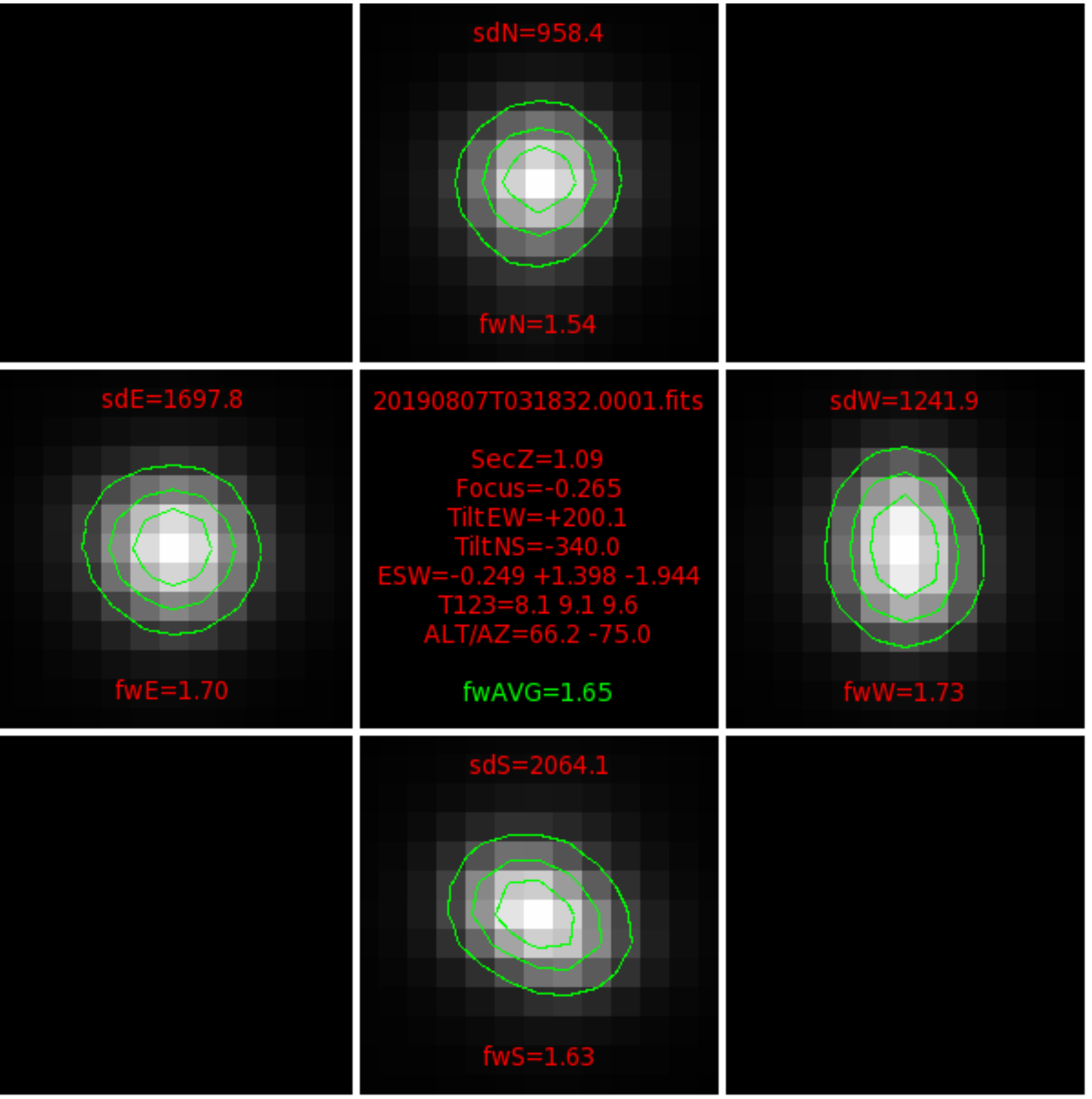
sdN=958.4
fwN=1.54
sdE=1697.8
fwE=1.70
20190807T031832.0001.fits
SecZ=1.09
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.1 9.6
ALT/AZ=66.2 -75.0
fwAVG=1.65
sdW=1241.9
fwW=1.73
sdS=2064.1
fwS=1.63
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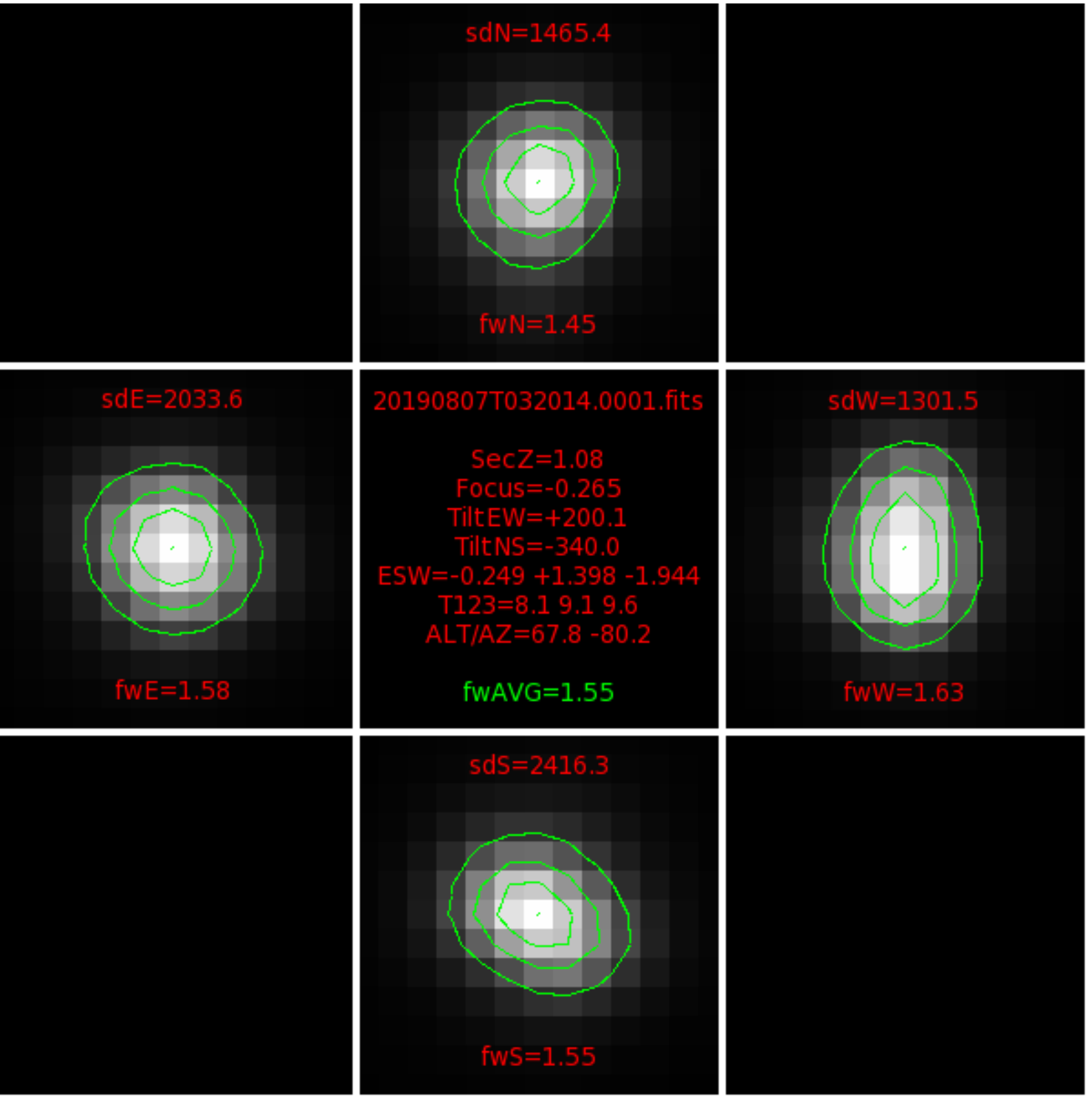
sdN=1465.4
fwN=1.45
sdE=2033.6
fwE=1.58
20190807T032014.0001.fits
SecZ=1.08
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.1 9.6
ALT/AZ=67.8 -80.2
fwAVG=1.55
sdW=1301.5
fwW=1.63
sdS=2416.3
fwS=1.55
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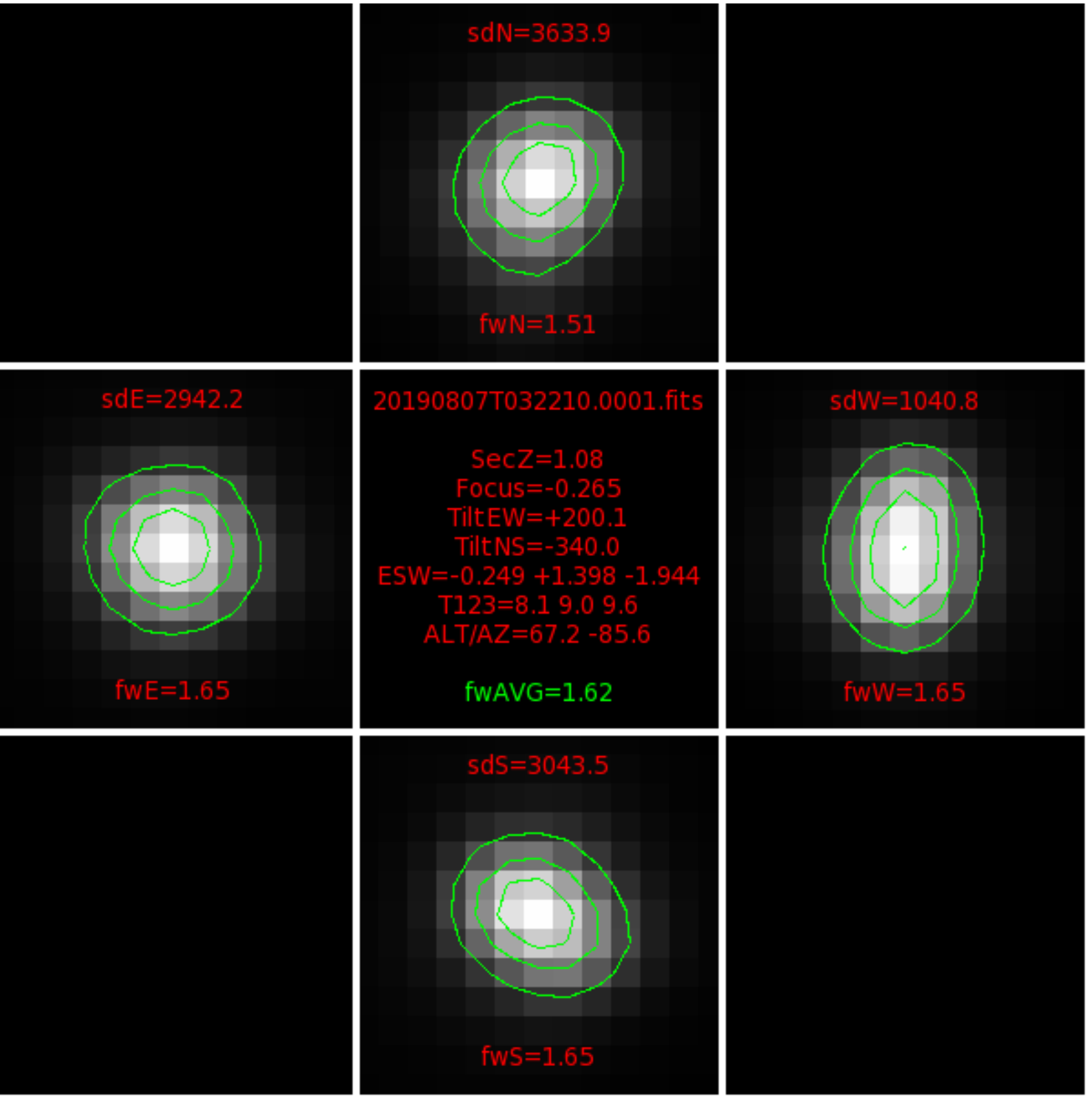
sdN=3633.9
fwN=1.51
sdE=2942.2
fwE=1.65
20190807T032210.0001.fits
SecZ=1.08
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.0 9.6
ALT/AZ=67.2 -85.6
fwAVG=1.62
sdW=1040.8
fwW=1.65
sdS=3043.5
fwS=1.65
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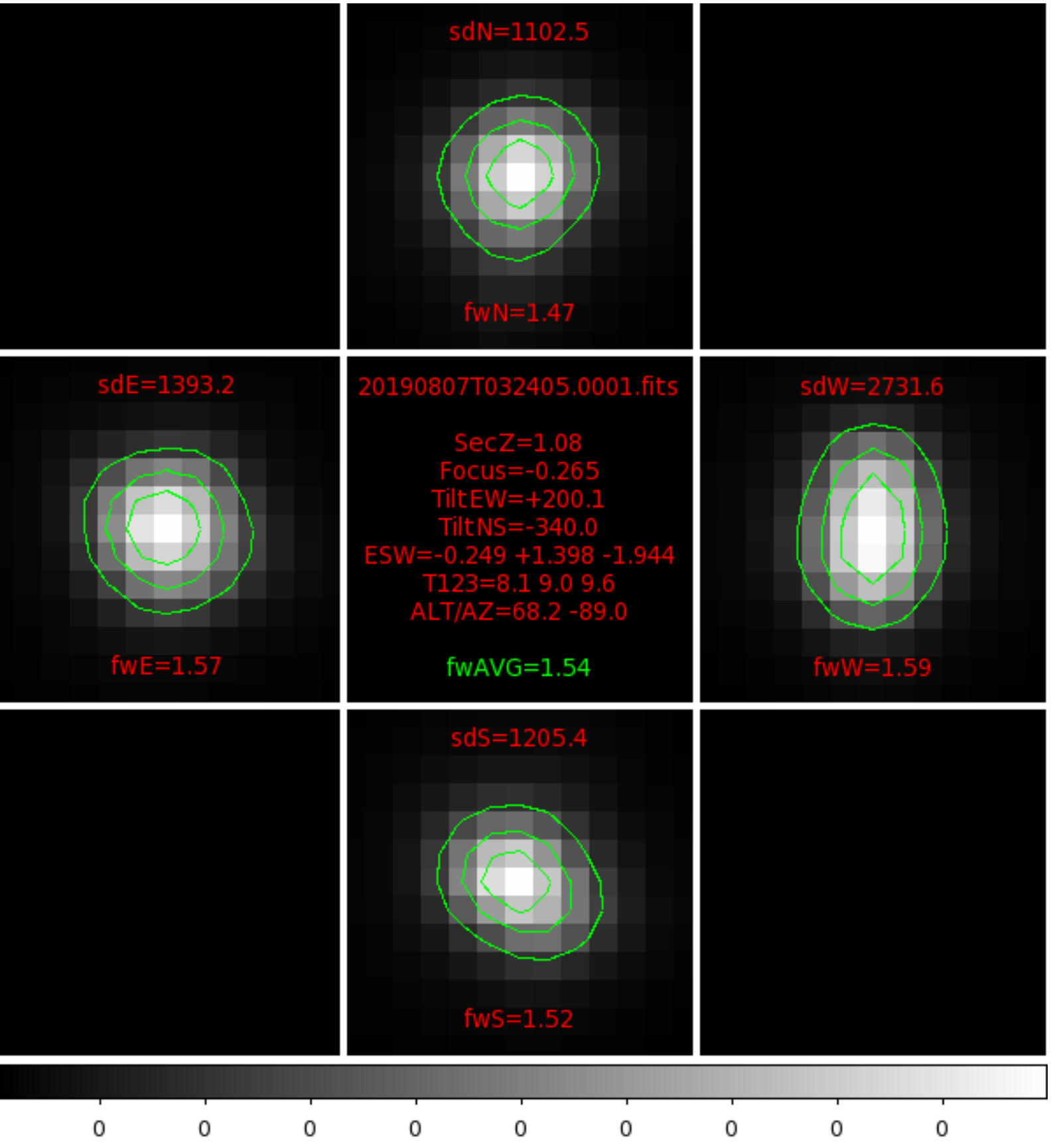
sdN=1102.5
fwN=1.47
sdE=1393.2
fwE=1.57
20190807T032405.0001.fits
SecZ=1.08
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.0 9.6
ALT/AZ=68.2 -89.0
fwAVG=1.54
sdW=2731.6
fwW=1.59
sdS=1205.4
fwS=1.52
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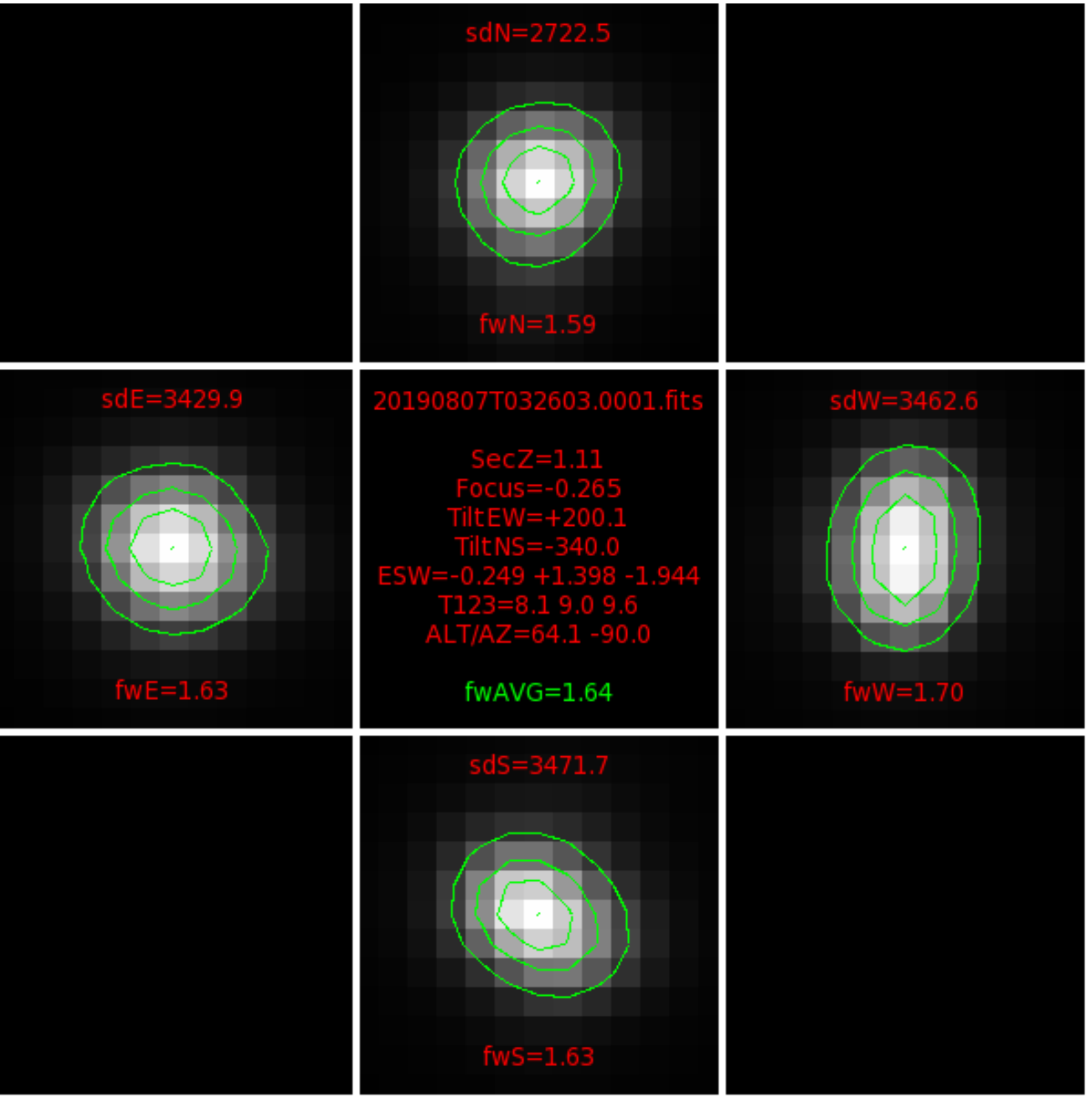
sdN=2722.5
fwN=1.59
sdE=3429.9
fwE=1.63
20190807T032603.0001.fits
SecZ=1.11
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.0 9.6
ALT/AZ=64.1 -90.0
fwAVG=1.64
sdW=3462.6
fwW=1.70
sdS=3471.7
fwS=1.63
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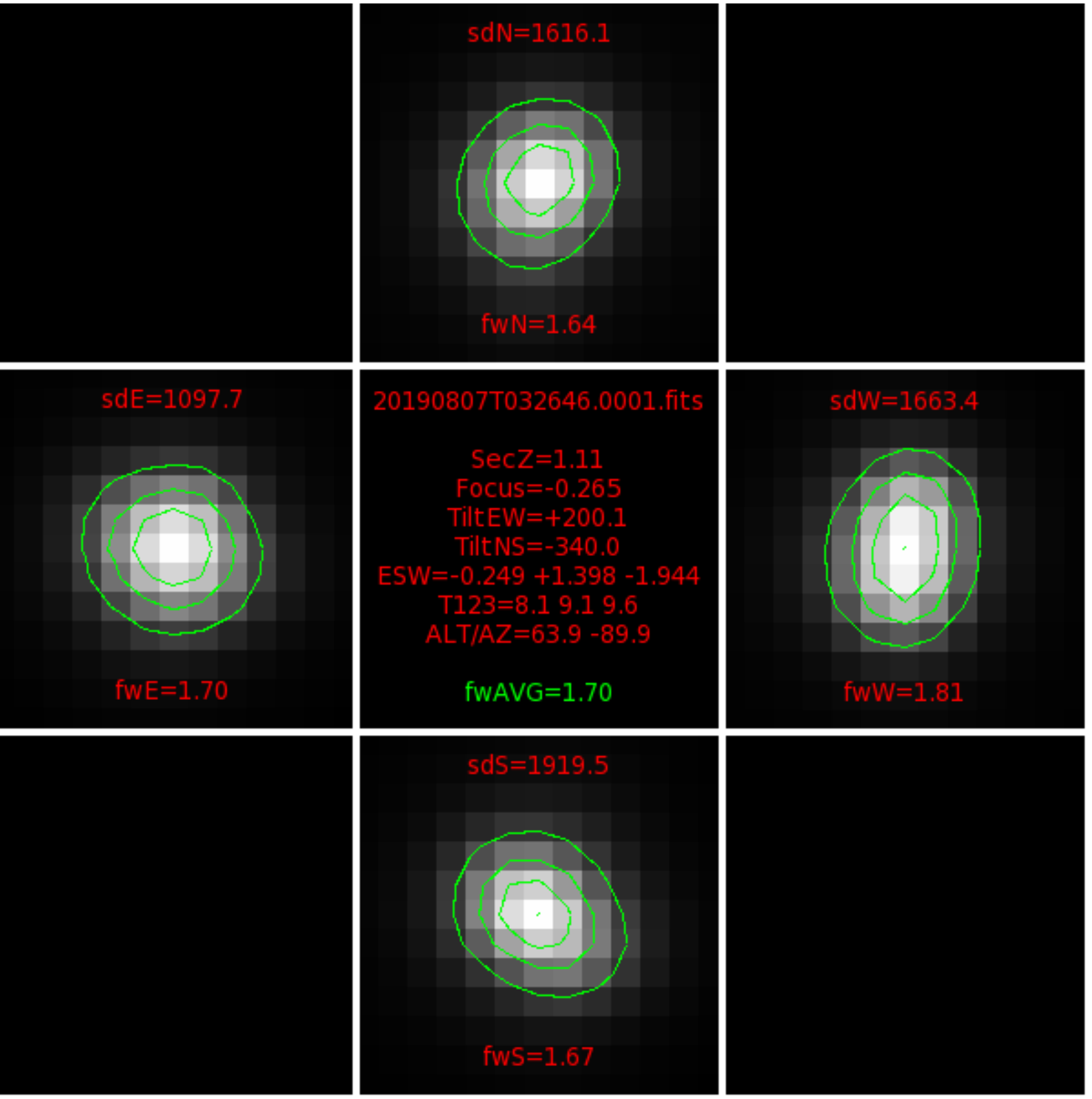
sdN=1616.1
fwN=1.64
sdE=1097.7
fwE=1.70
20190807T032646.0001.fits
SecZ=1.11
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.1 9.6
ALT/AZ=63.9 -89.9
fwAVG=1.70
sdW=1663.4
fwW=1.81
sdS=1919.5
fwS=1.67
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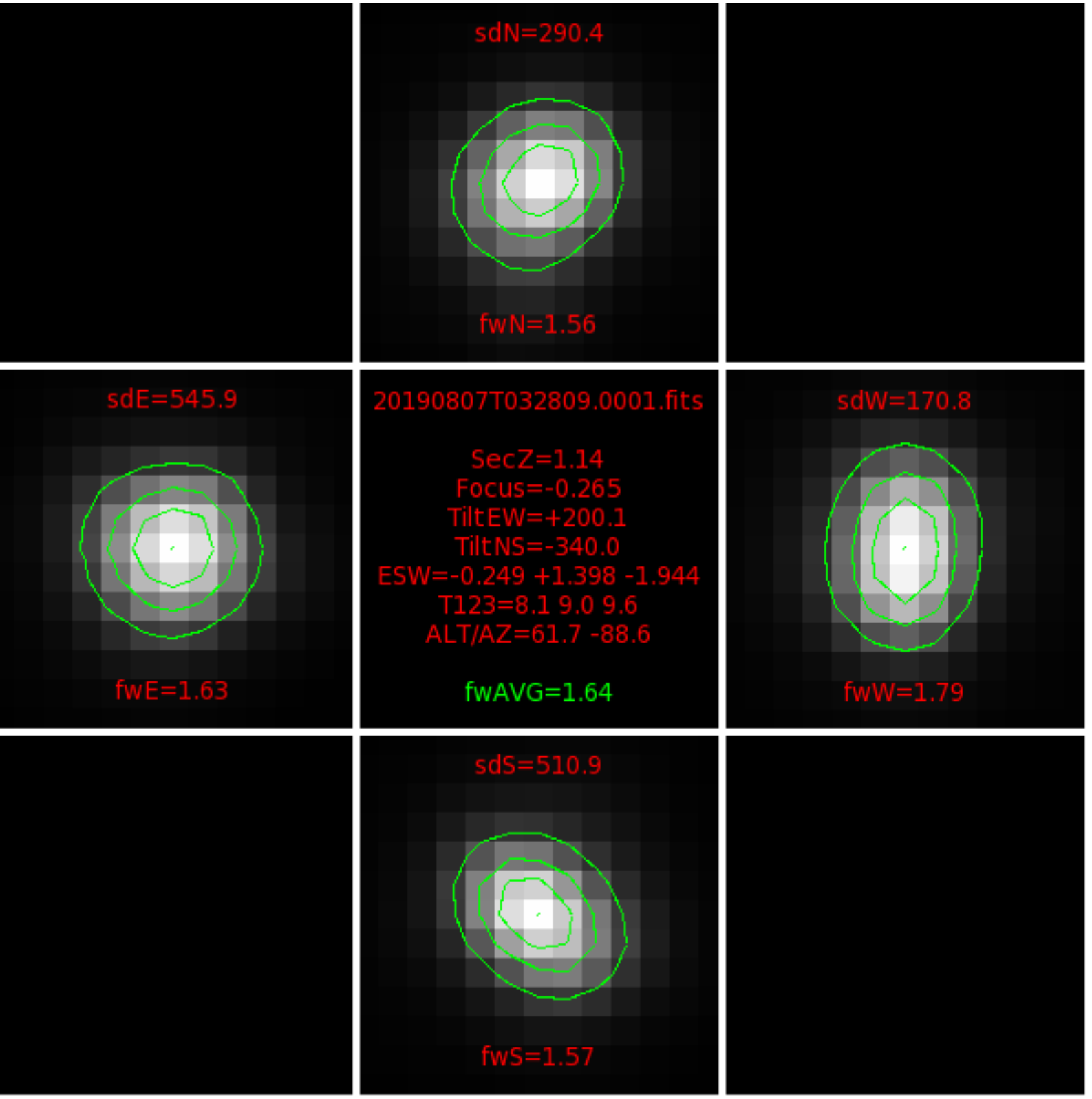
sdN=290.4
fwN=1.56
sdE=545.9
fwE=1.63
20190807T032809.0001.fits
SecZ=1.14
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.0 9.6
ALT/AZ=61.7 -88.6
fwAVG=1.64
sdW=170.8
fwW=1.79
sdS=510.9
fwS=1.57
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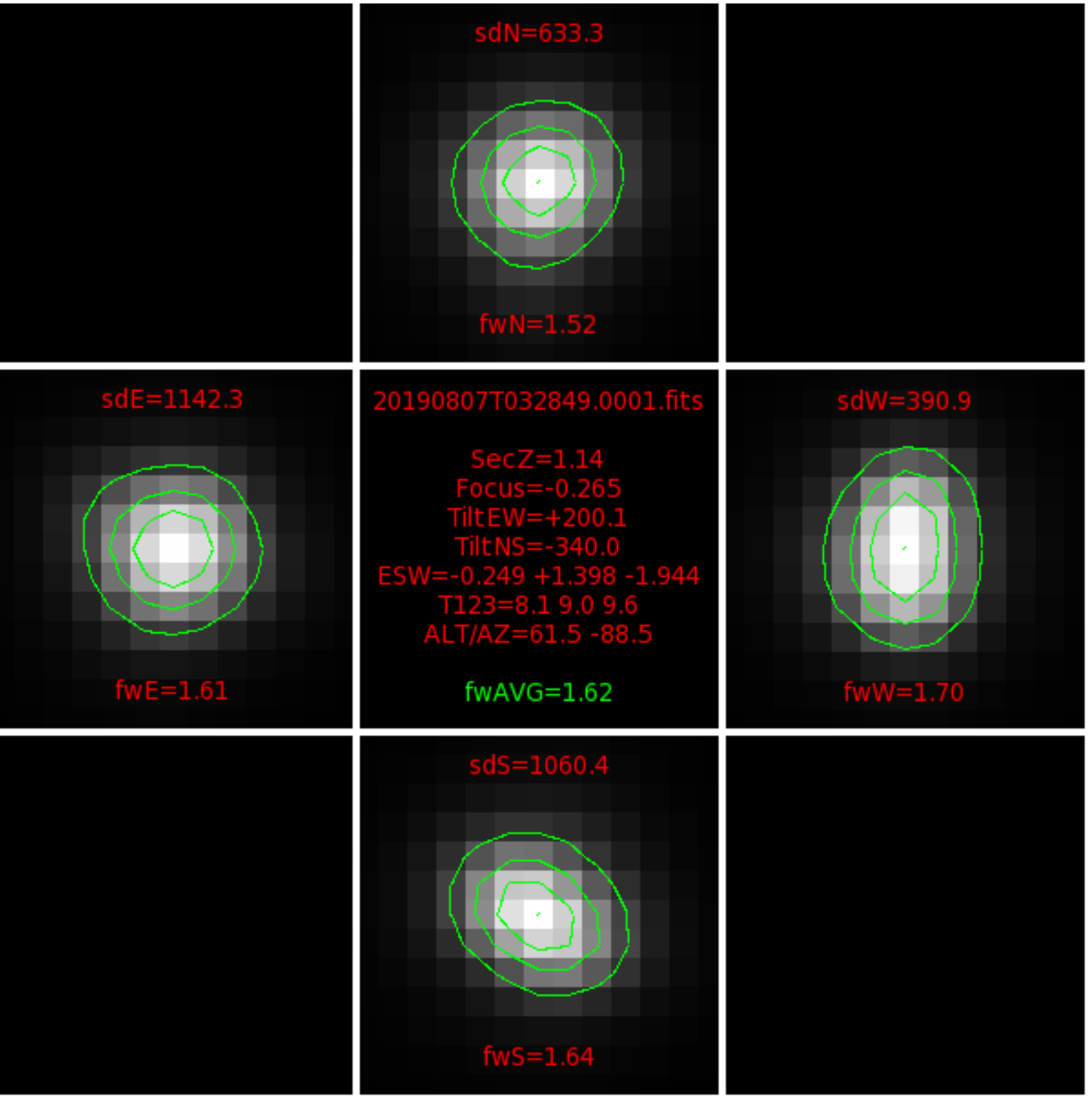
sdN=633.3
fwN=1.52
sdE=1142.3
fwE=1.61
20190807T032849.0001.fits
SecZ=1.14
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.0 9.6
ALT/AZ=61.5 -88.5
fwAVG=1.62
sdW=390.9
fwW=1.70
sdS=1060.4
fwS=1.64
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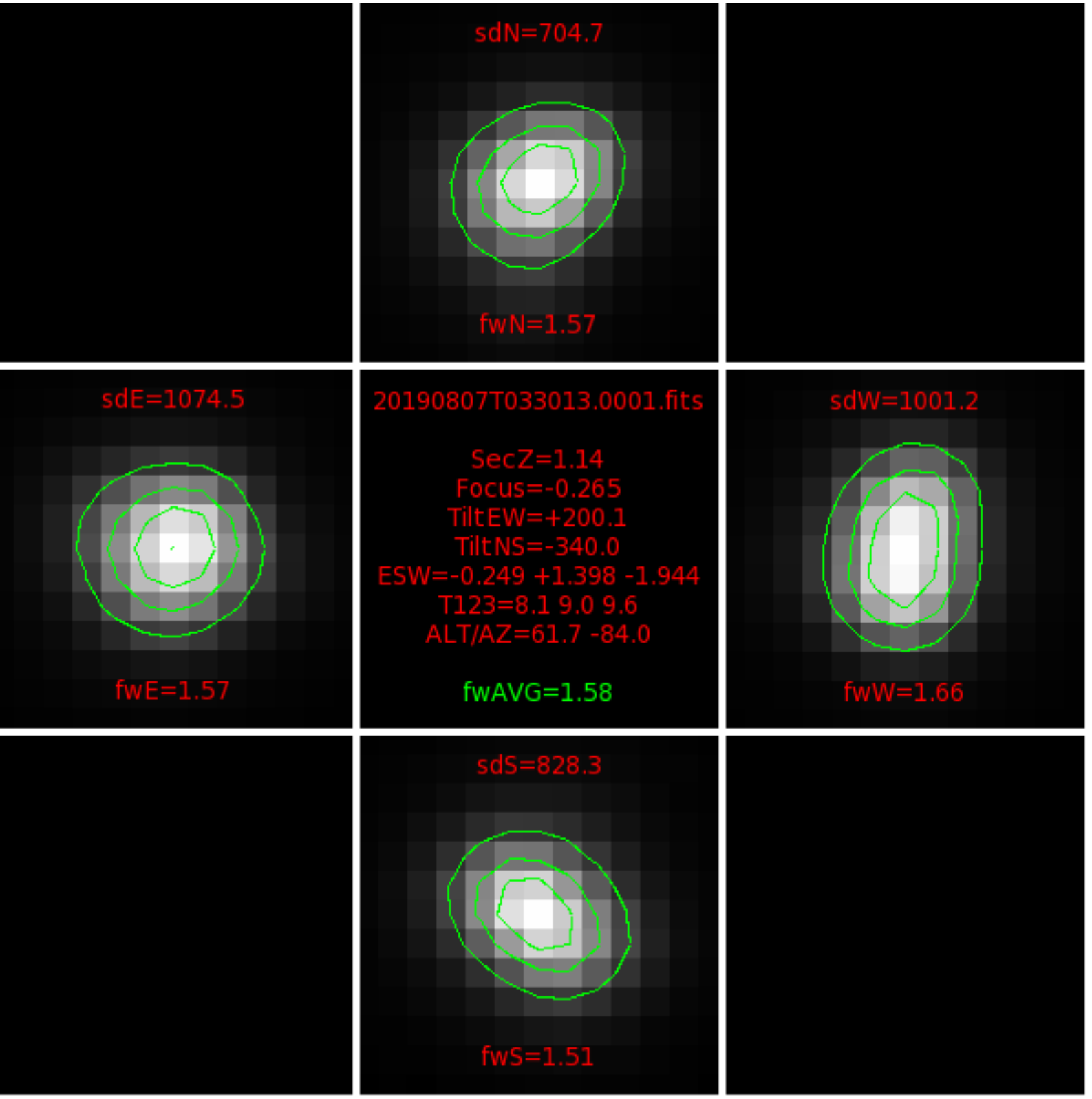
sdN=704.7
fwN=1.57
sdE=1074.5
fwE=1.57
20190807T033013.0001.fits
SecZ=1.14
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.0 9.6
ALT/AZ=61.7 -84.0
fwAVG=1.58
sdW=1001.2
fwW=1.66
sdS=828.3
fwS=1.51
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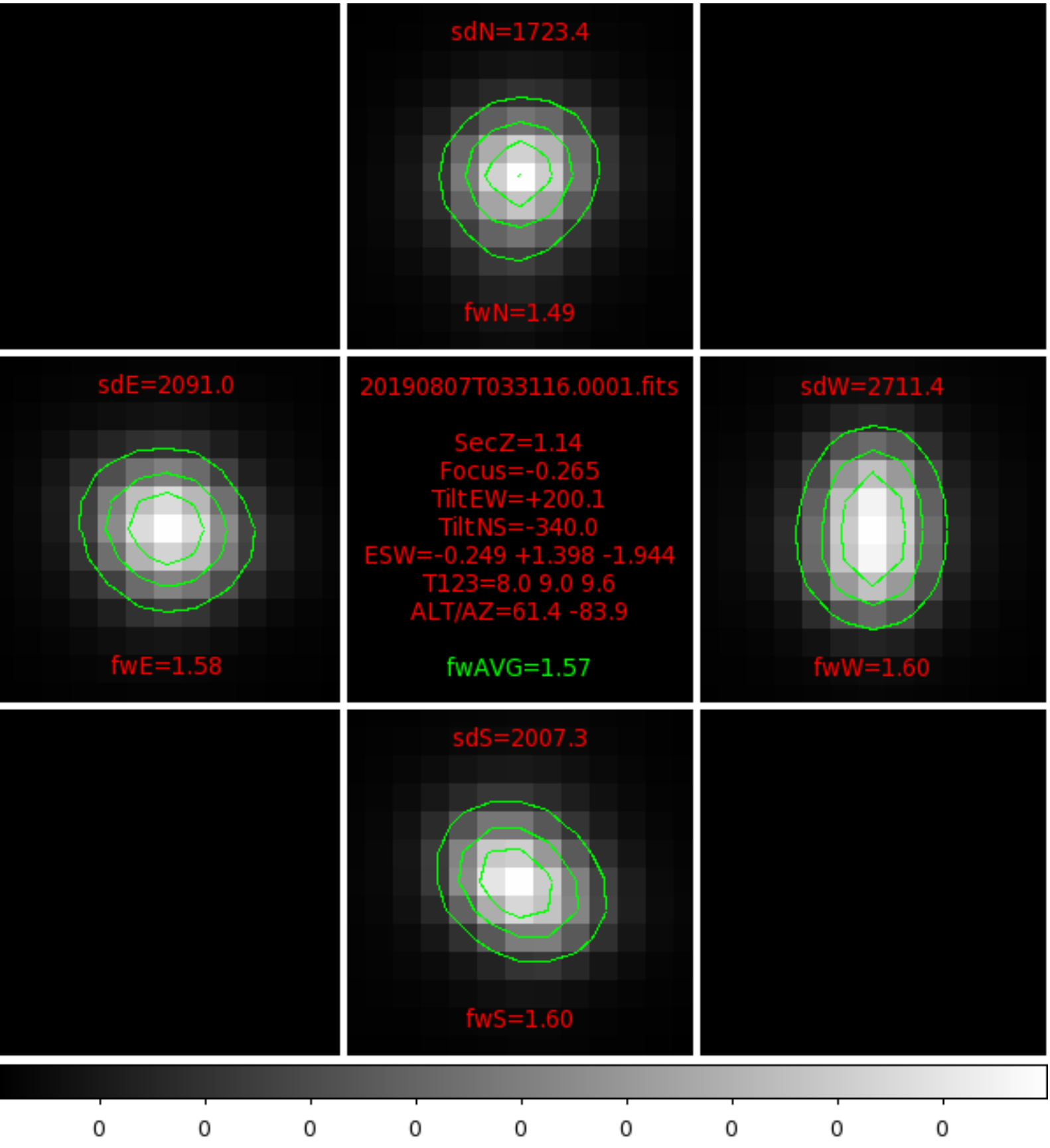
sdN=1723.4
fwN=1.49
sdE=2091.0
fwE=1.58
20190807T033116.0001.fits
SecZ=1.14
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.0 9.0 9.6
ALT/AZ=61.4 -83.9
fwAVG=1.57
sdW=2711.4
fwW=1.60
sdS=2007.3
fwS=1.60
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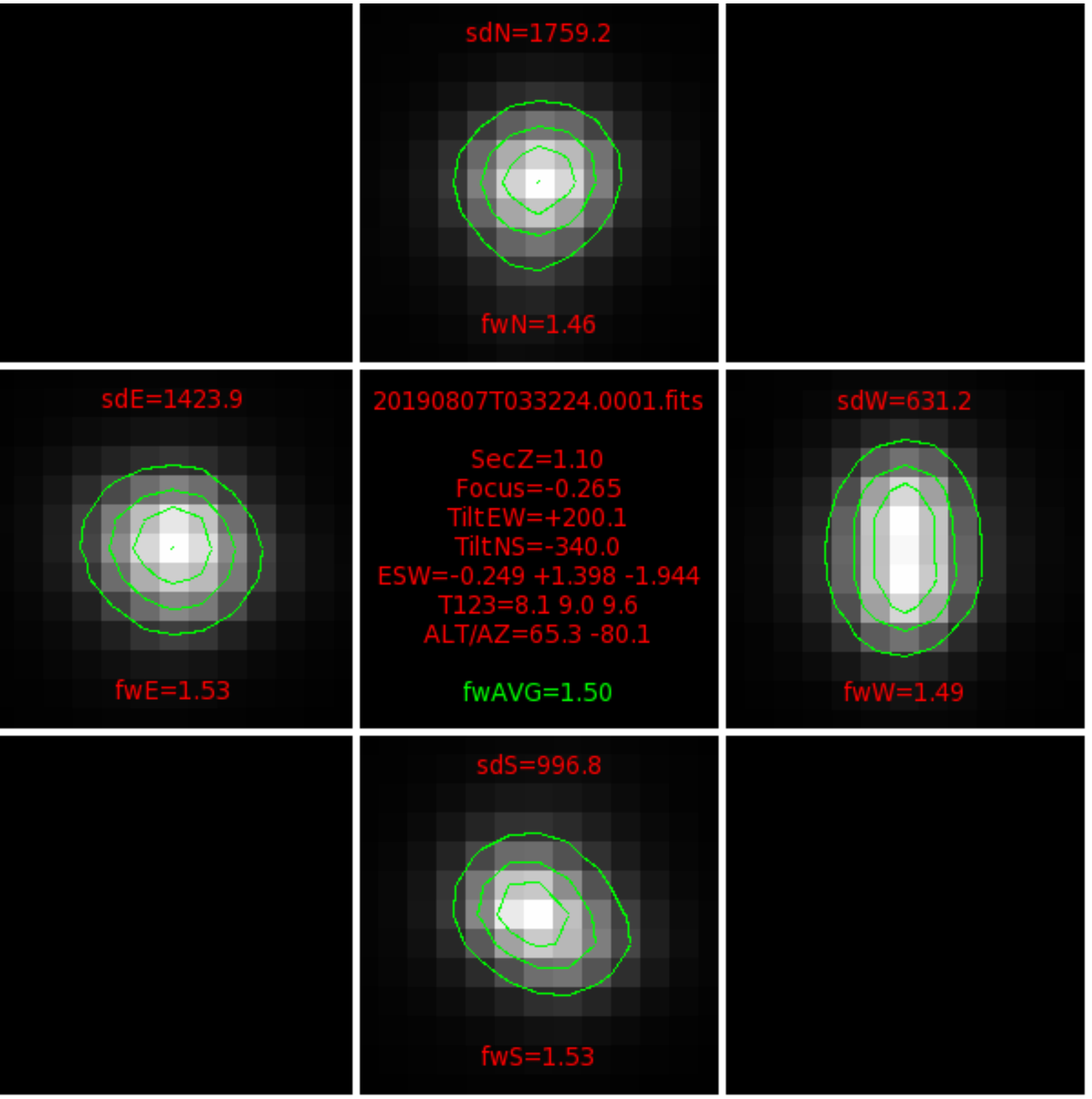
sdN=1759.2
fwN=1.46
sdE=1423.9
fwE=1.53
20190807T033224.0001.fits
SecZ=1.10
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.1 9.0 9.6
ALT/AZ=65.3 -80.1
fwAVG=1.50
sdW=631.2
fwW=1.49
sdS=996.8
fwS=1.53
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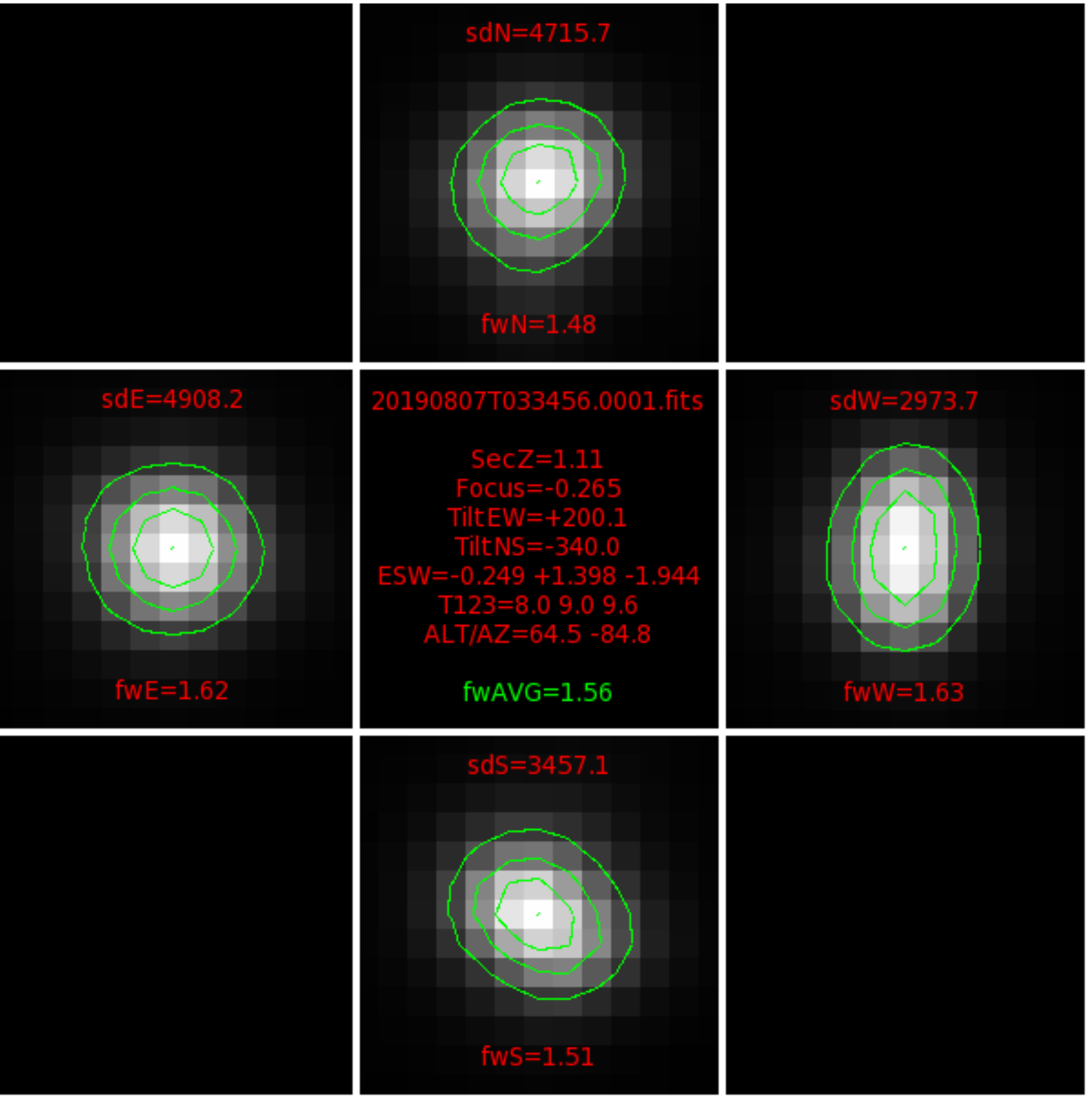
sdN=4715.7
fwN=1.48
sdE=4908.2
fwE=1.62
20190807T033456.0001.fits
SecZ=1.11
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.0 9.0 9.6
ALT/AZ=64.5 -84.8
fwAVG=1.56
sdW=2973.7
fwW=1.63
sdS=3457.1
fwS=1.51
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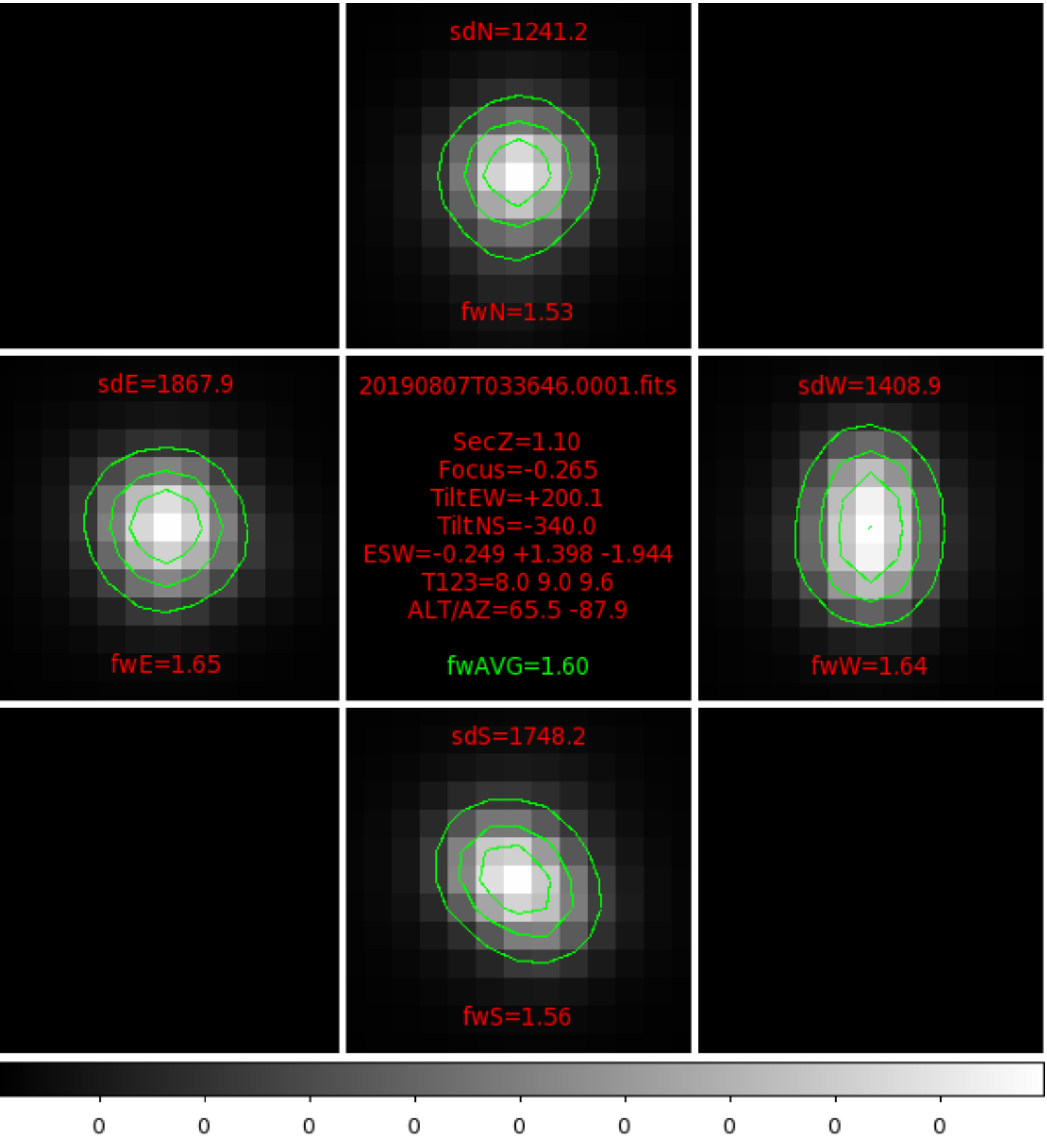
sdN=1241.2
fwN=1.53
sdE=1867.9
fwE=1.65
20190807T033646.0001.fits
SecZ=1.10
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.0 9.0 9.6
ALT/AZ=65.5 -87.9
fwAVG=1.60
sdW=1408.9
fwW=1.64
sdS=1748.2
fwS=1.56
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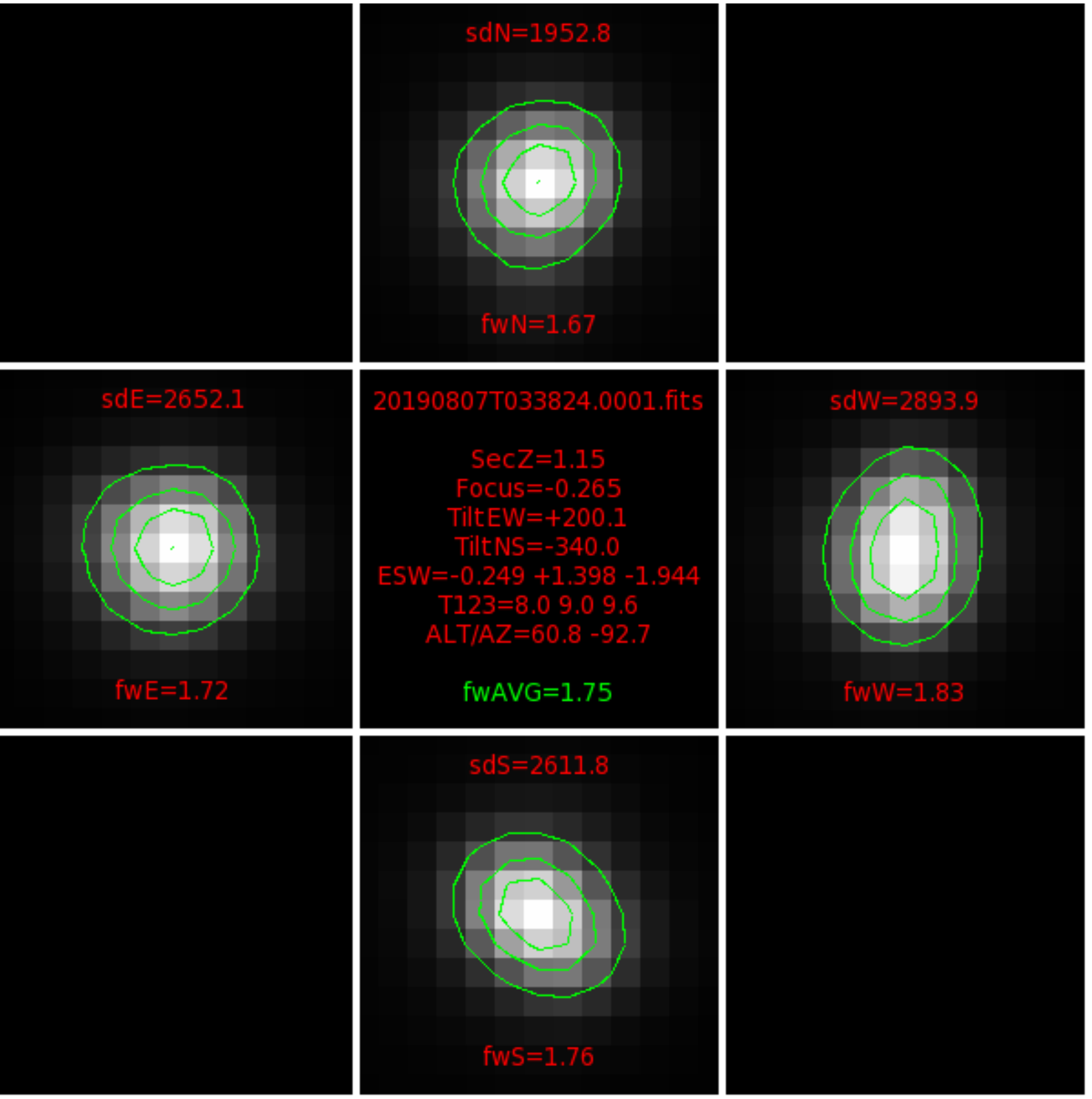
sdN=1952.8
fwN=1.67
sdE=2652.1
fwE=1.72
20190807T033824.0001.fits
SecZ=1.15
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.0 9.0 9.6
ALT/AZ=60.8 -92.7
fwAVG=1.75
sdW=2893.9
fwW=1.83
sdS=2611.8
fwS=1.76
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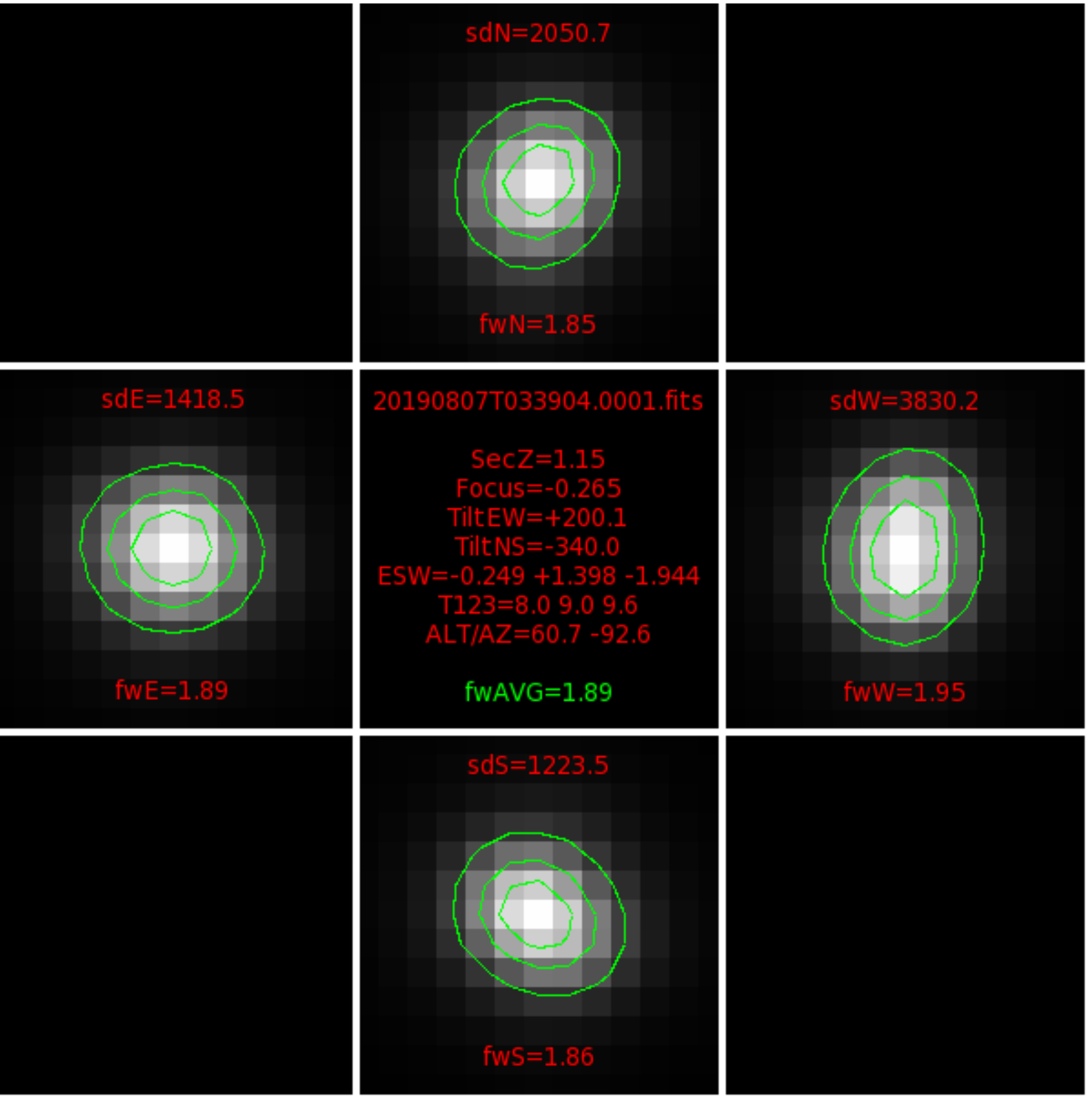
sdN=2050.7
fwN=1.85
sdE=1418.5
fwE=1.89
20190807T033904.0001.fits
SecZ=1.15
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.0 9.0 9.6
ALT/AZ=60.7 -92.6
fwAVG=1.89
sdW=3830.2
fwW=1.95
sdS=1223.5
fwS=1.86
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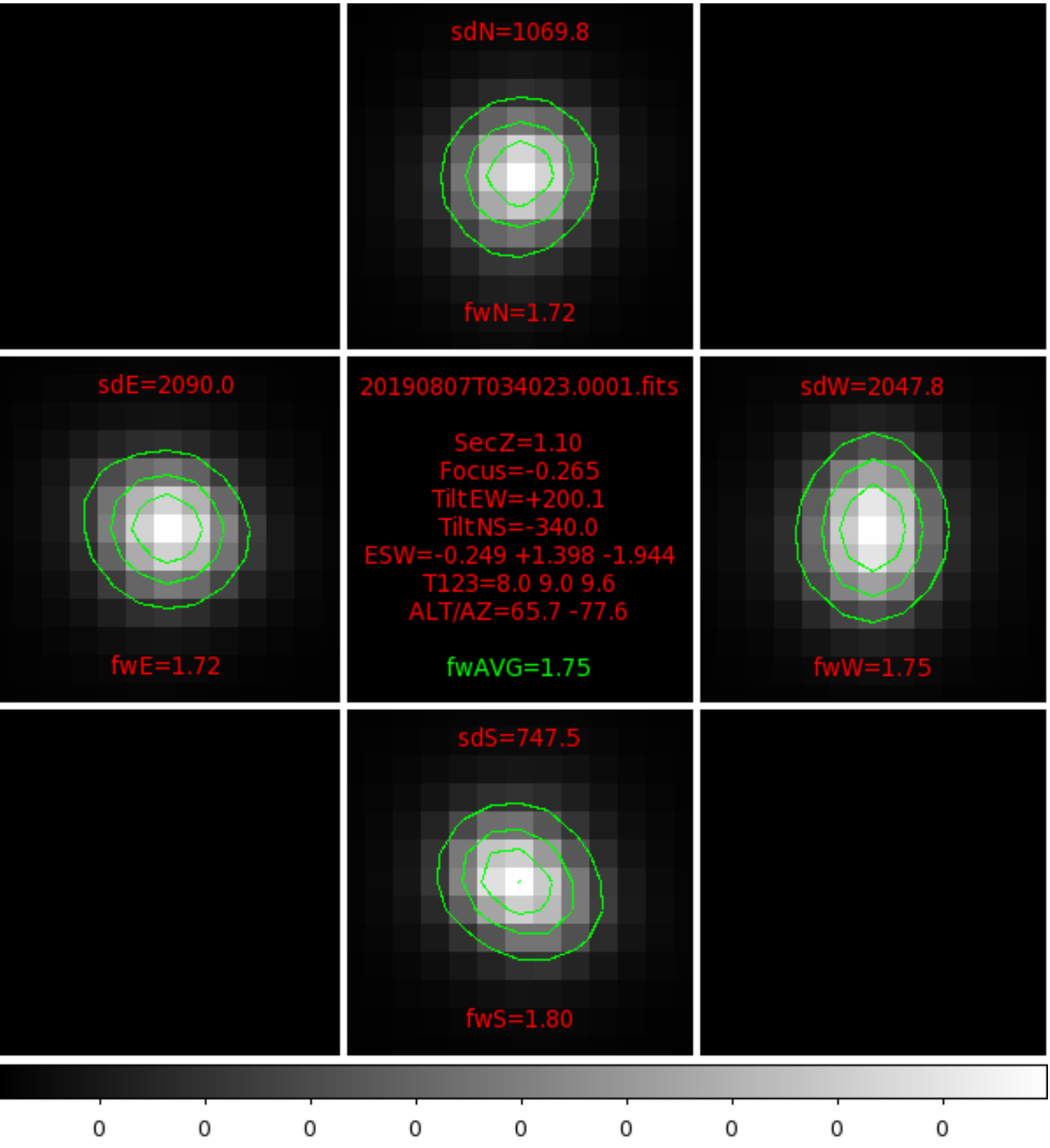
sdN=1069.8
fwN=1.72
sdE=2090.0
fwE=1.72
20190807T034023.0001.fits
SecZ=1.10
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.0 9.0 9.6
ALT/AZ=65.7 -77.6
fwAVG=1.75
sdW=2047.8
fwW=1.75
sdS=747.5
fwS=1.80
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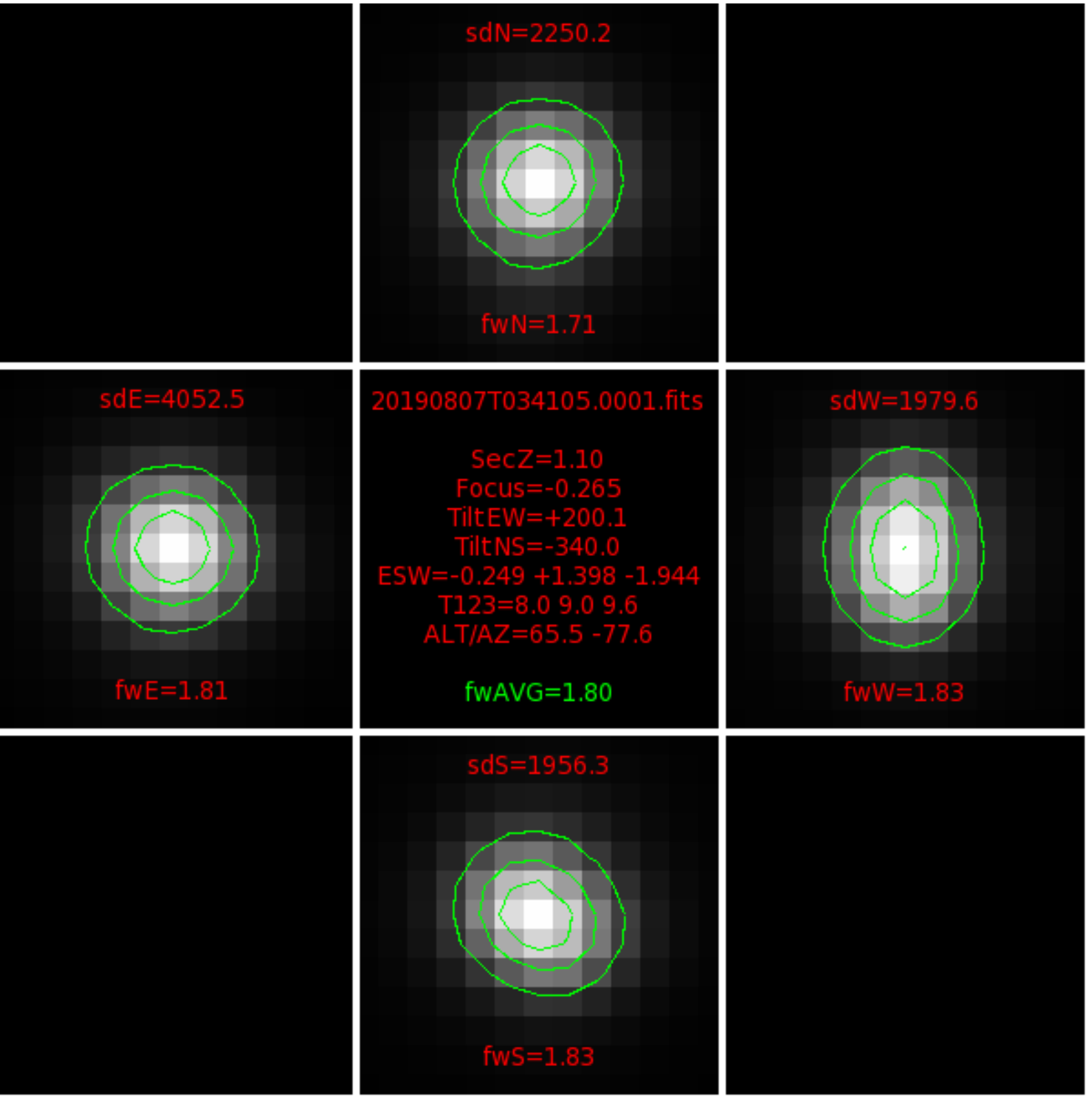
sdN=2250.2
fwN=1.71
sdE=4052.5
fwE=1.81
20190807T034105.0001.fits
SecZ=1.10
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.0 9.0 9.6
ALT/AZ=65.5 -77.6
fwAVG=1.80
sdW=1979.6
fwW=1.83
sdS=1956.3
fwS=1.83
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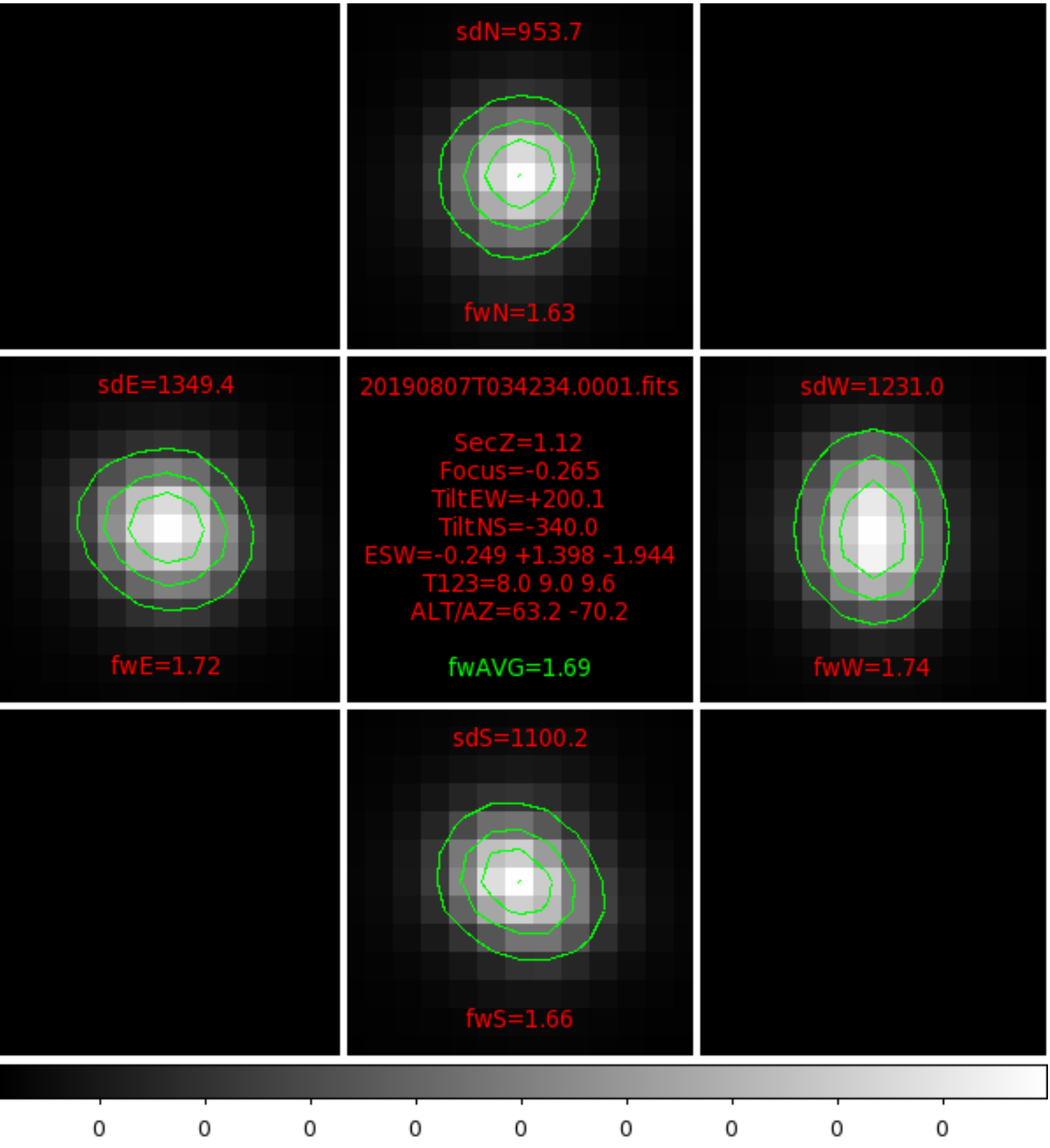
sdN=953.7
fwN=1.63
sdE=1349.4
fwE=1.72
20190807T034234.0001.fits
SecZ=1.12
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.0 9.0 9.6
ALT/AZ=63.2 -70.2
fwAVG=1.69
sdW=1231.0
fwW=1.74
sdS=1100.2
fwS=1.66
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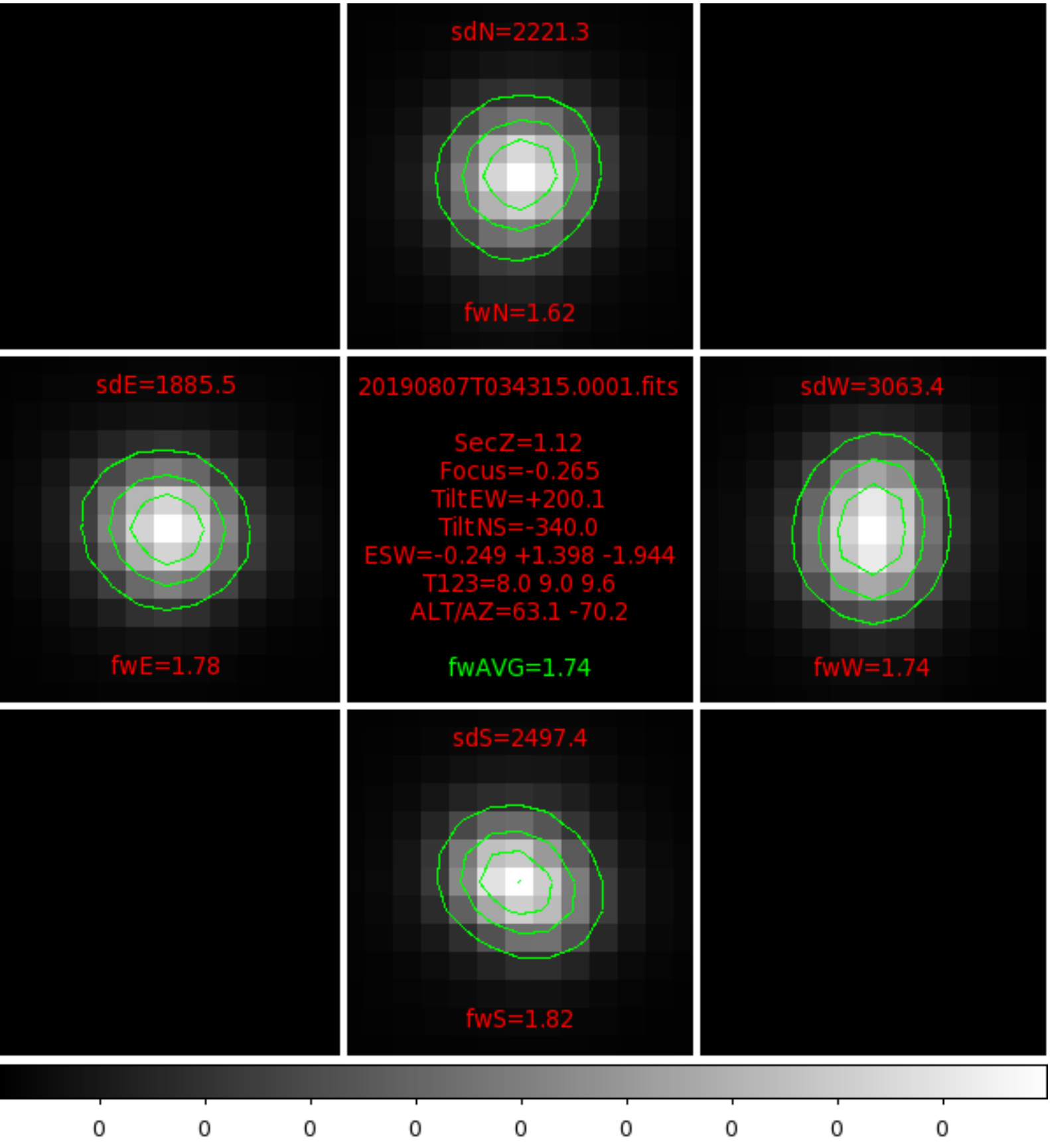
sdN=2221.3
fwN=1.62
sdE=1885.5
fwE=1.78
20190807T034315.0001.fits
SecZ=1.12
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.0 9.0 9.6
ALT/AZ=63.1 -70.2
fwAVG=1.74
sdW=3063.4
fwW=1.74
sdS=2497.4
fwS=1.82
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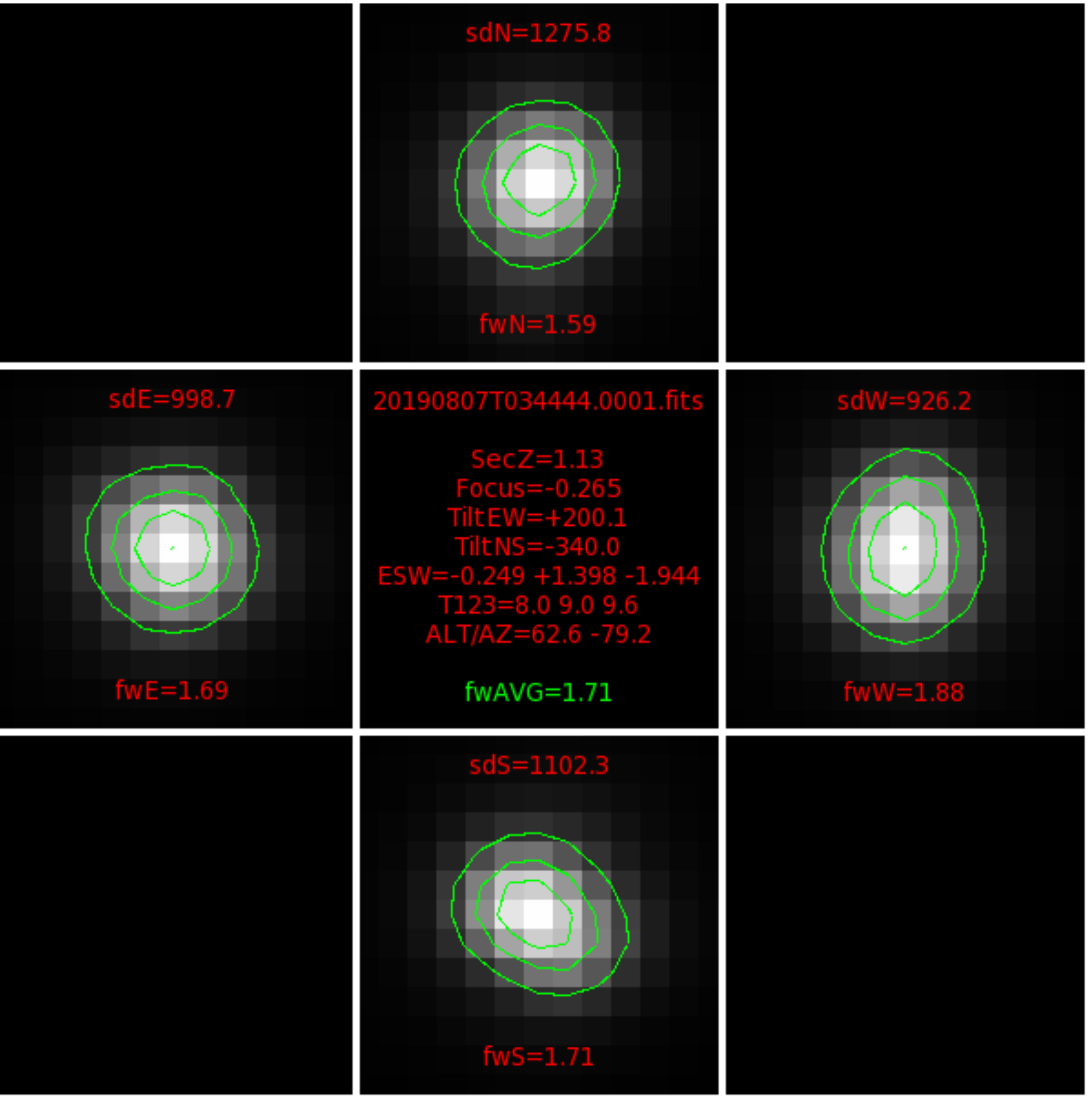
sdN=1275.8
fwN=1.59
sdE=998.7
fwE=1.69
20190807T034444.0001.fits
SecZ=1.13
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.0 9.0 9.6
ALT/AZ=62.6 -79.2
fwAVG=1.71
sdW=926.2
fwW=1.88
sdS=1102.3
fwS=1.71
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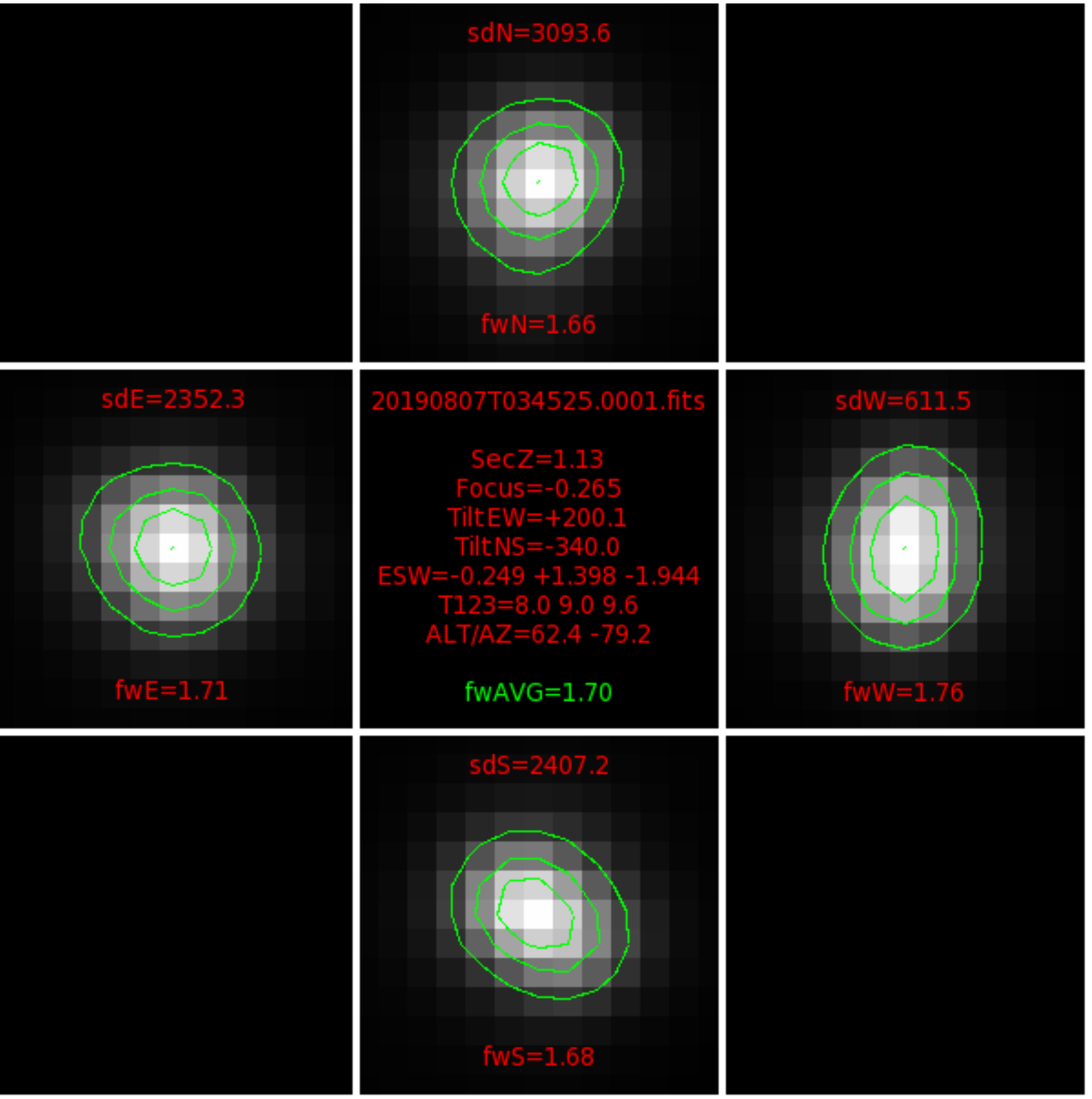
sdN=3093.6
fwN=1.66
sdE=2352.3
fwE=1.71
20190807T034525.0001.fits
SecZ=1.13
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.0 9.0 9.6
ALT/AZ=62.4 -79.2
fwAVG=1.70
sdW=611.5
fwW=1.76
sdS=2407.2
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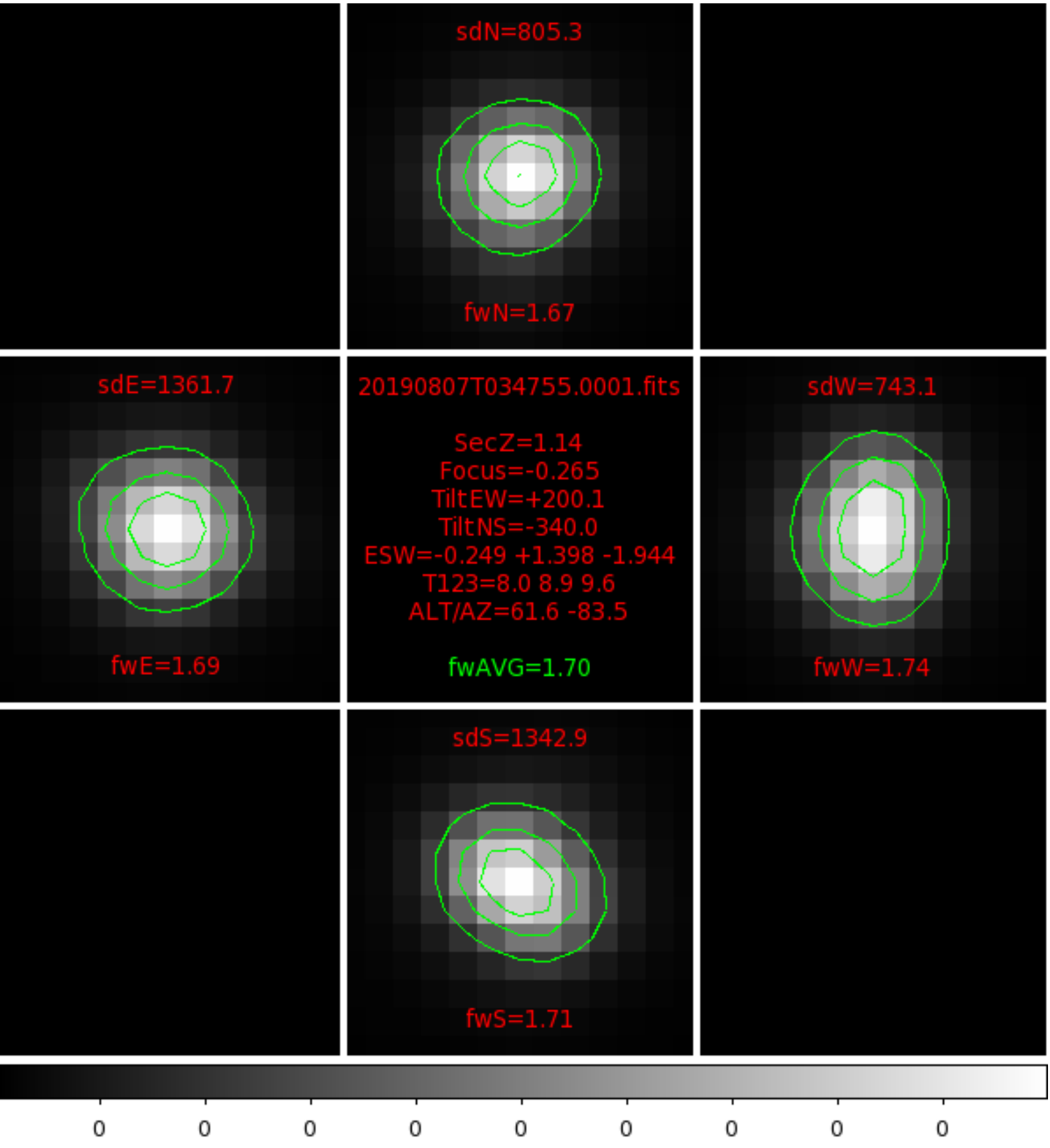
sdN=805.3
fwN=1.67
sdE=1361.7
fwE=1.69
20190807T034755.0001.fits
SecZ=1.14
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.0 8.9 9.6
ALT/AZ=61.6 -83.5
fwAVG=1.70
sdW=743.1
fwW=1.74
sdS=1342.9
fwS=1.71
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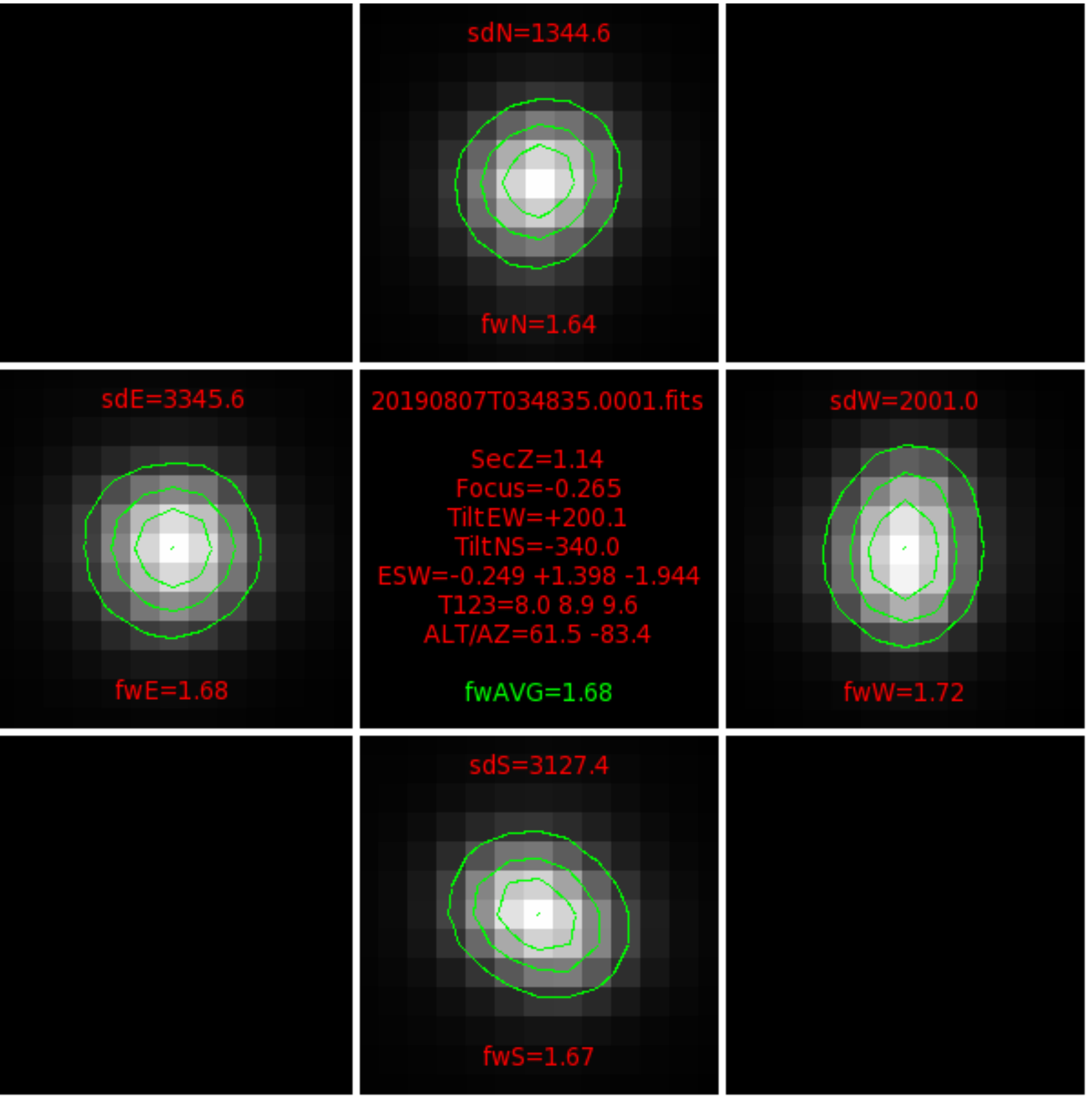
sdN=1344.6
fwN=1.64
sdE=3345.6
fwE=1.68
20190807T034835.0001.fits
SecZ=1.14
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.0 8.9 9.6
ALT/AZ=61.5 -83.4
fwAVG=1.68
sdW=2001.0
fwW=1.72
sdS=3127.4
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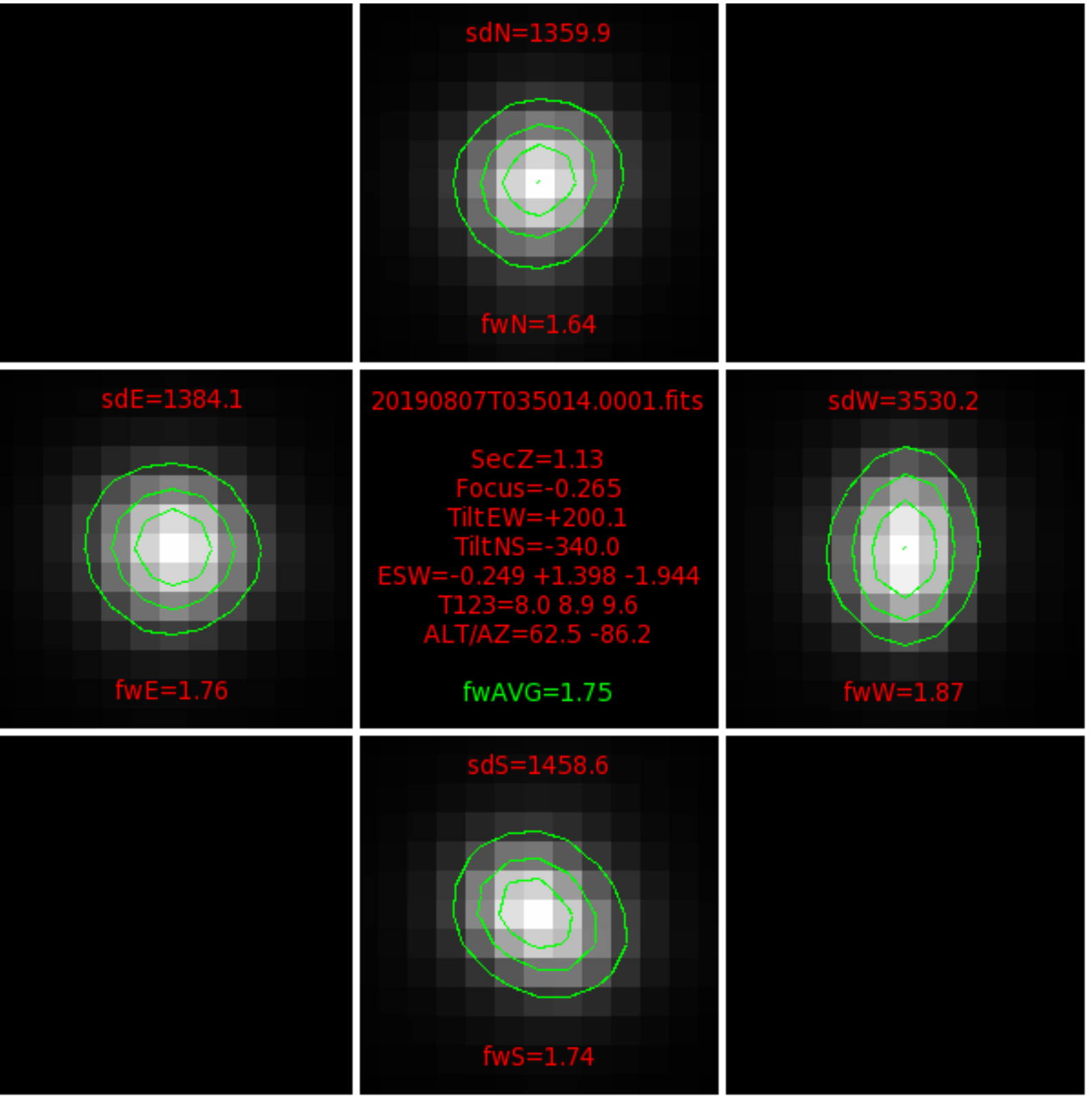
sdN=1359.9
fwN=1.64
sdE=1384.1
fwE=1.76
20190807T035014.0001.fits
SecZ=1.13
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.0 8.9 9.6
ALT/AZ=62.5 -86.2
fwAVG=1.75
sdW=3530.2
fwW=1.87
sdS=1458.6
fwS=1.74
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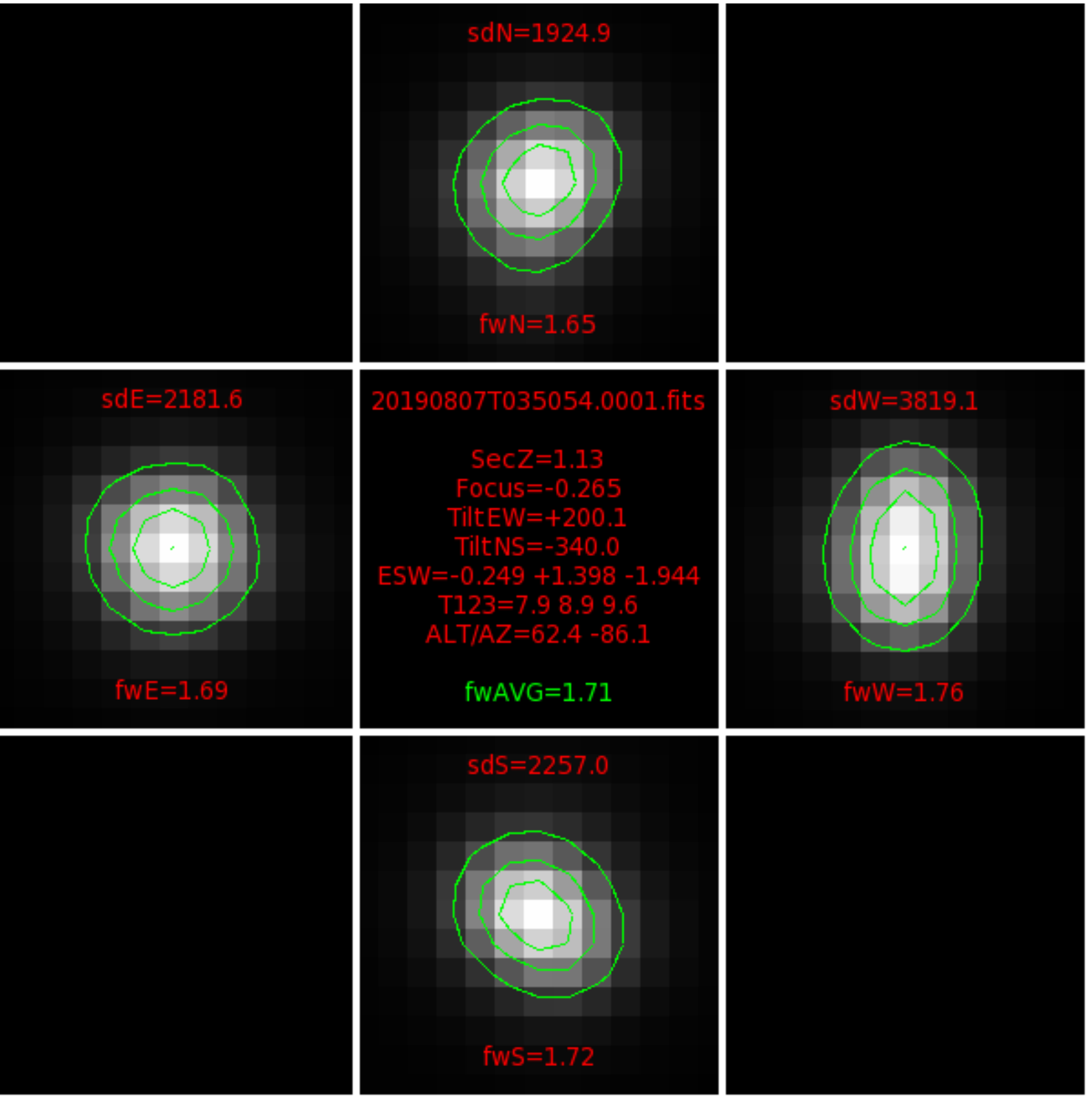
sdN=1924.9
fwN=1.65
sdE=2181.6
fwE=1.69
20190807T035054.0001.fits
SecZ=1.13
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.9 8.9 9.6
ALT/AZ=62.4 -86.1
fwAVG=1.71
sdW=3819.1
fwW=1.76
sdS=2257.0
fwS=1.72
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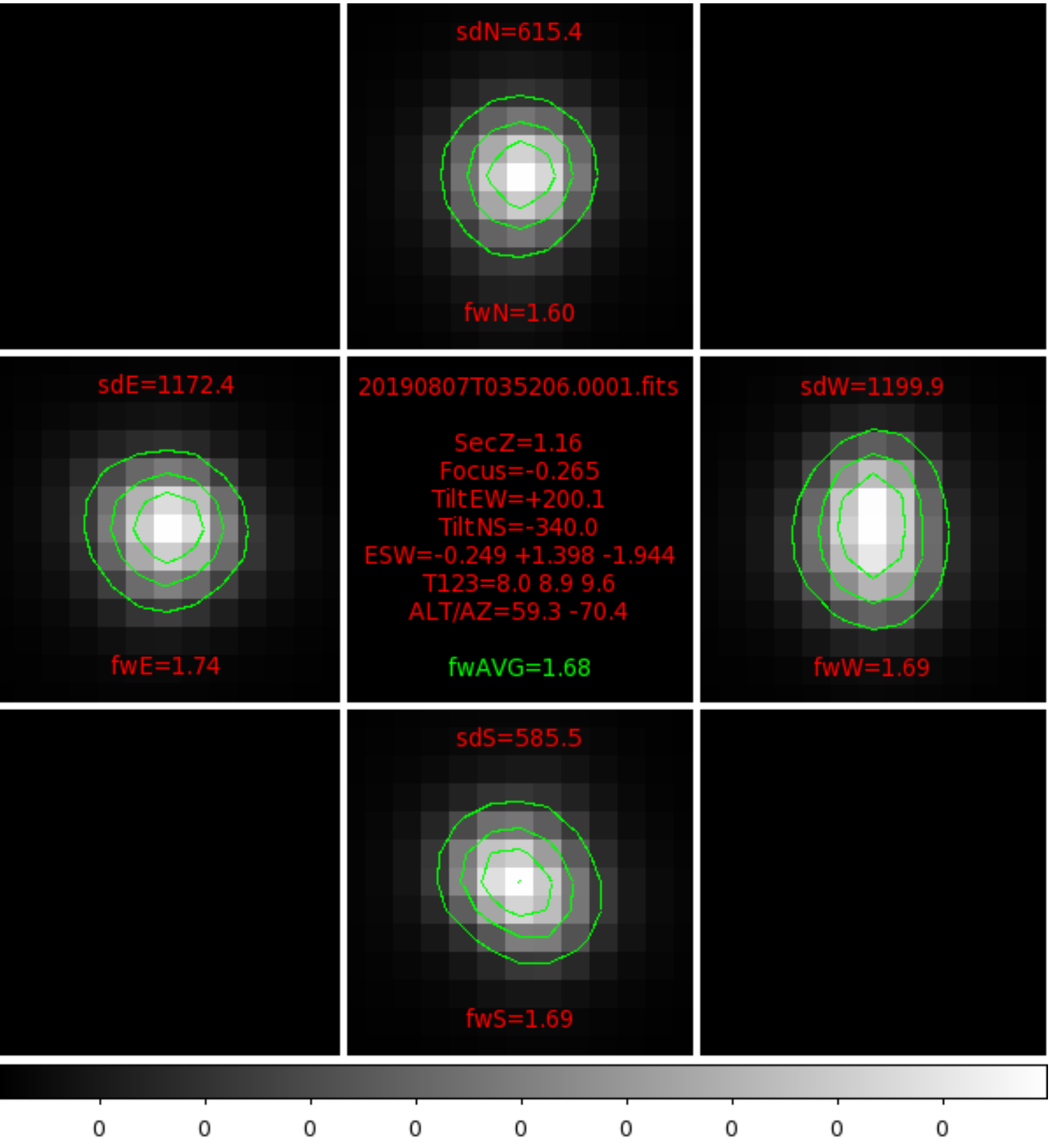
sdN=615.4
fwN=1.60
sdE=1172.4
fwE=1.74
20190807T035206.0001.fits
SecZ=1.16
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=8.0 8.9 9.6
ALT/AZ=59.3 -70.4
fwAVG=1.68
sdW=1199.9
fwW=1.69
sdS=585.5
fwS=1.69
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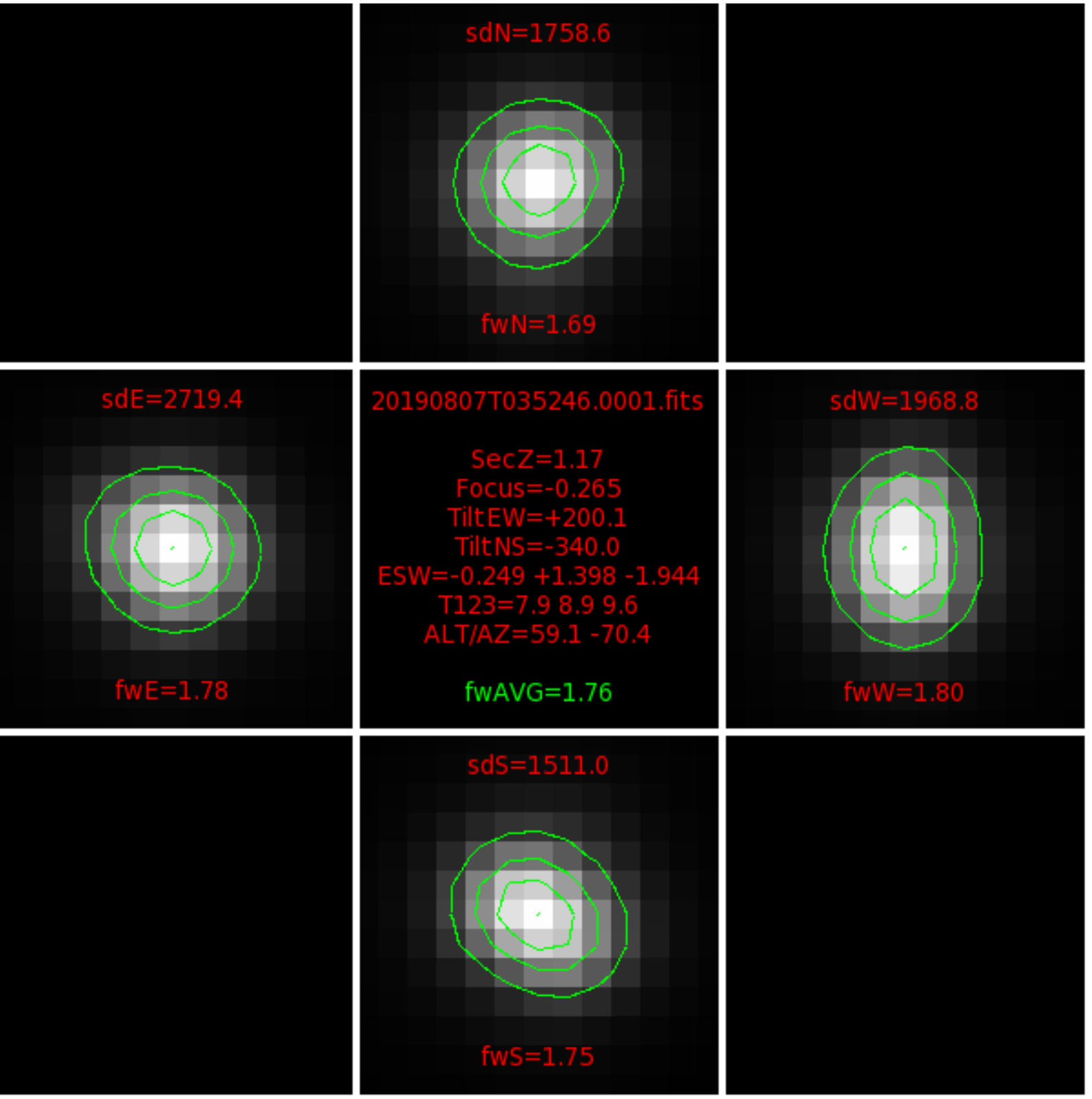
sdN=1758.6
fwN=1.69
sdE=2719.4
fwE=1.78
20190807T035246.0001.fits
SecZ=1.17
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.9 8.9 9.6
ALT/AZ=59.1 -70.4
fwAVG=1.76
sdW=1968.8
fwW=1.80
sdS=1511.0
fwS=1.75
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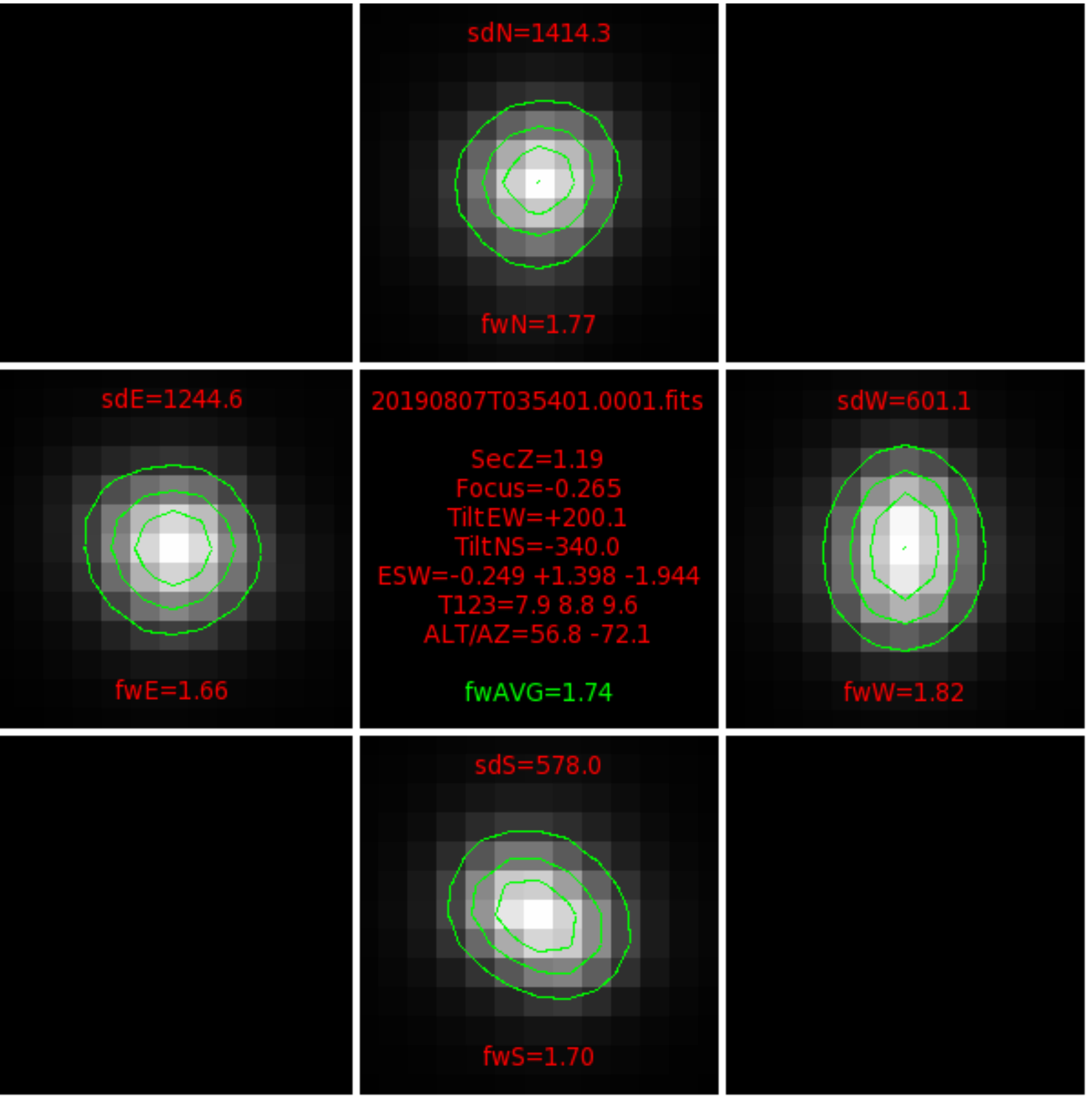
sdN=1414.3
fwN=1.77
sdE=1244.6
fwE=1.66
20190807T035401.0001.fits
SecZ=1.19
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.9 8.8 9.6
ALT/AZ=56.8 -72.1
fwAVG=1.74
sdW=601.1
fwW=1.82
sdS=578.0
fwS=1.70
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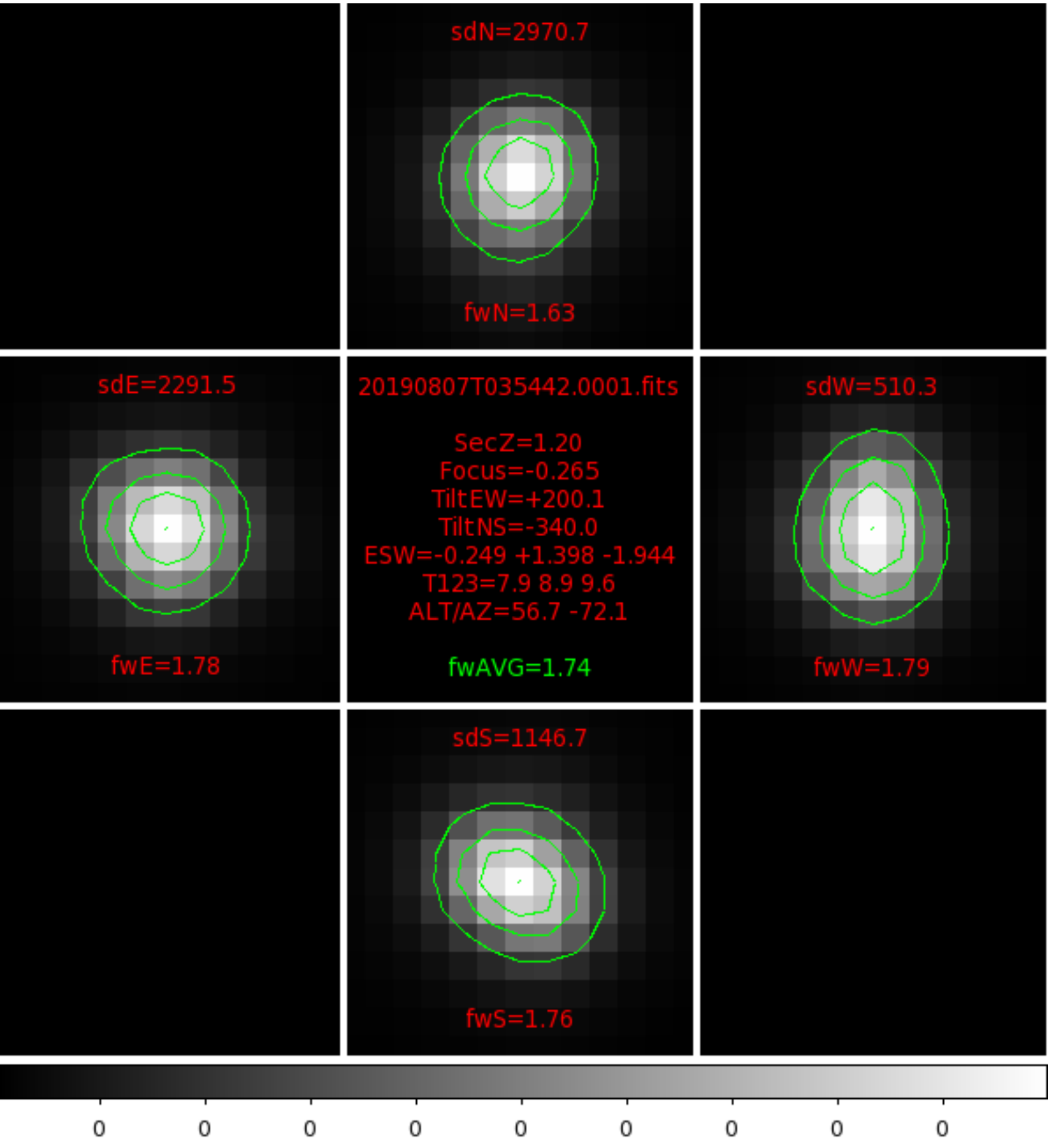
sdN=2970.7
fwN=1.63
sdE=2291.5
fwE=1.78
20190807T035442.0001.fits
SecZ=1.20
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.9 8.9 9.6
ALT/AZ=56.7 -72.1
fwAVG=1.74
sdW=510.3
fwW=1.79
sdS=1146.7
fwS=1.76
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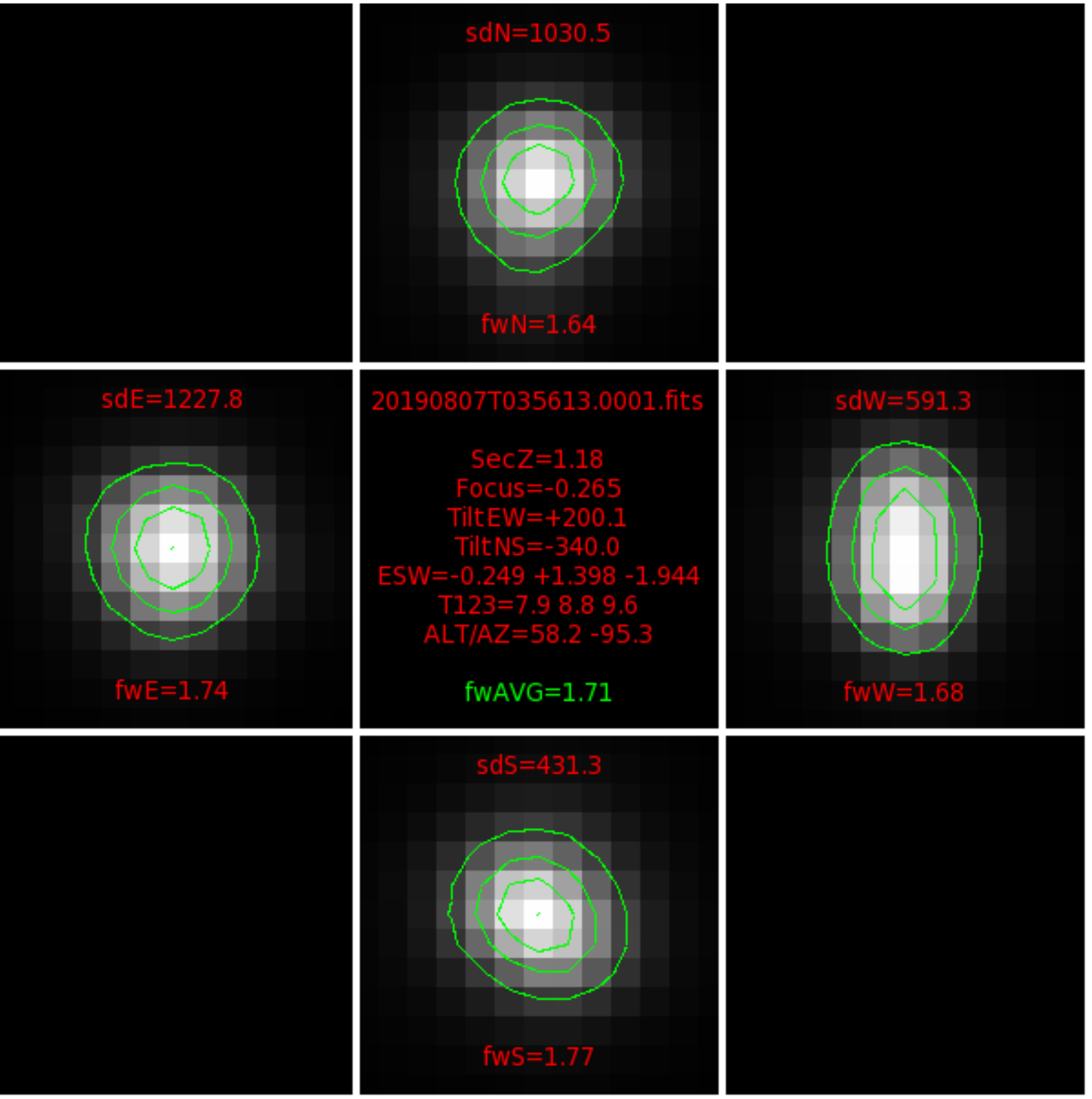
sdN=1030.5
fwN=1.64
sdE=1227.8
fwE=1.74
20190807T035613.0001.fits
SecZ=1.18
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.9 8.8 9.6
ALT/AZ=58.2 -95.3
fwAVG=1.71
sdW=591.3
fwW=1.68
sdS=431.3
fwS=1.77
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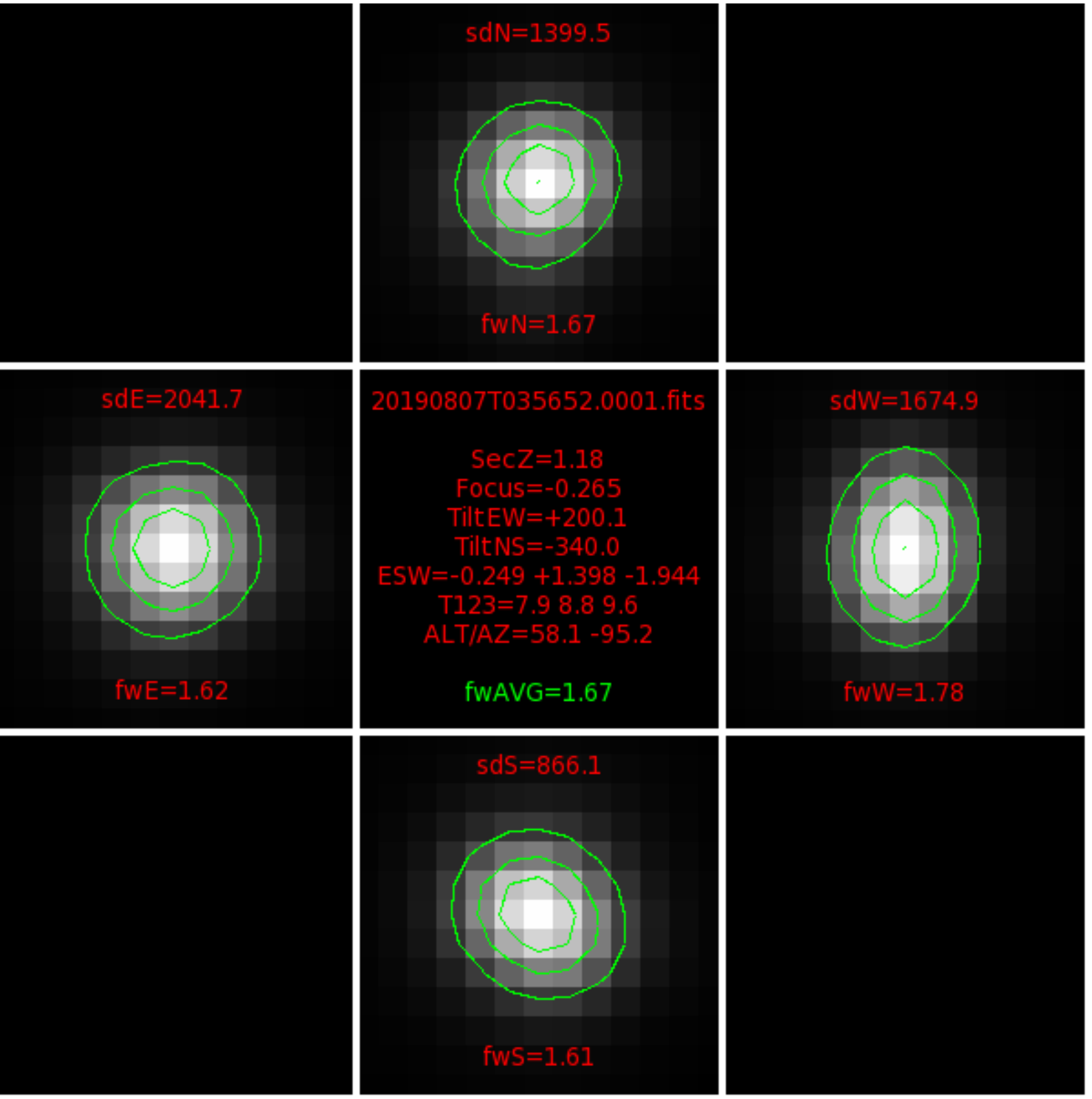
sdN=1399.5
fwN=1.67
sdE=2041.7
fwE=1.62
20190807T035652.0001.fits
SecZ=1.18
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.9 8.8 9.6
ALT/AZ=58.1 -95.2
fwAVG=1.67
sdW=1674.9
fwW=1.78
sdS=866.1
fwS=1.61
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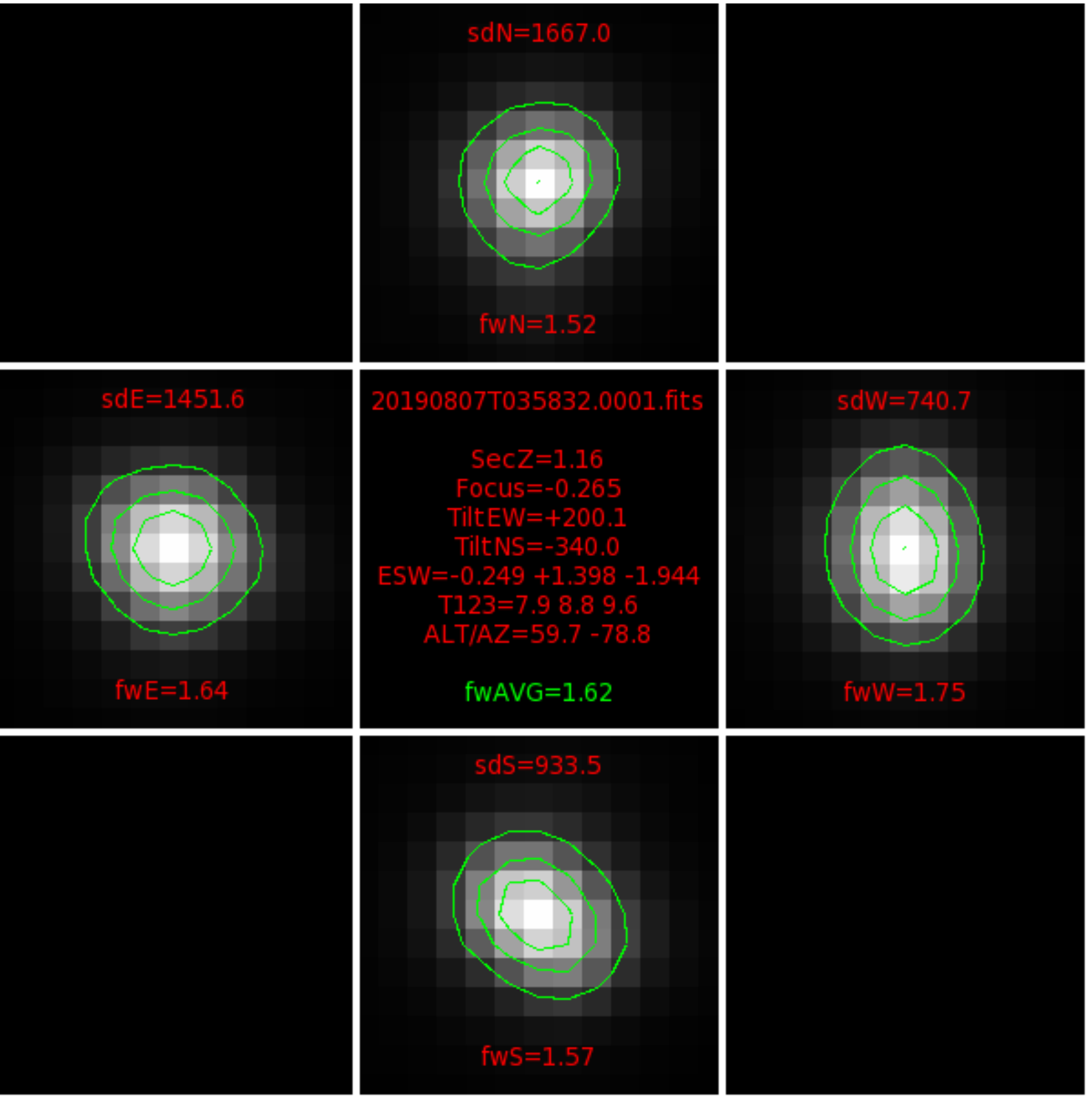
sdN=1667.0
fwN=1.52
sdE=1451.6
fwE=1.64
20190807T035832.0001.fits
SecZ=1.16
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.9 8.8 9.6
ALT/AZ=59.7 -78.8
fwAVG=1.62
sdW=740.7
fwW=1.75
sdS=933.5
fwS=1.57
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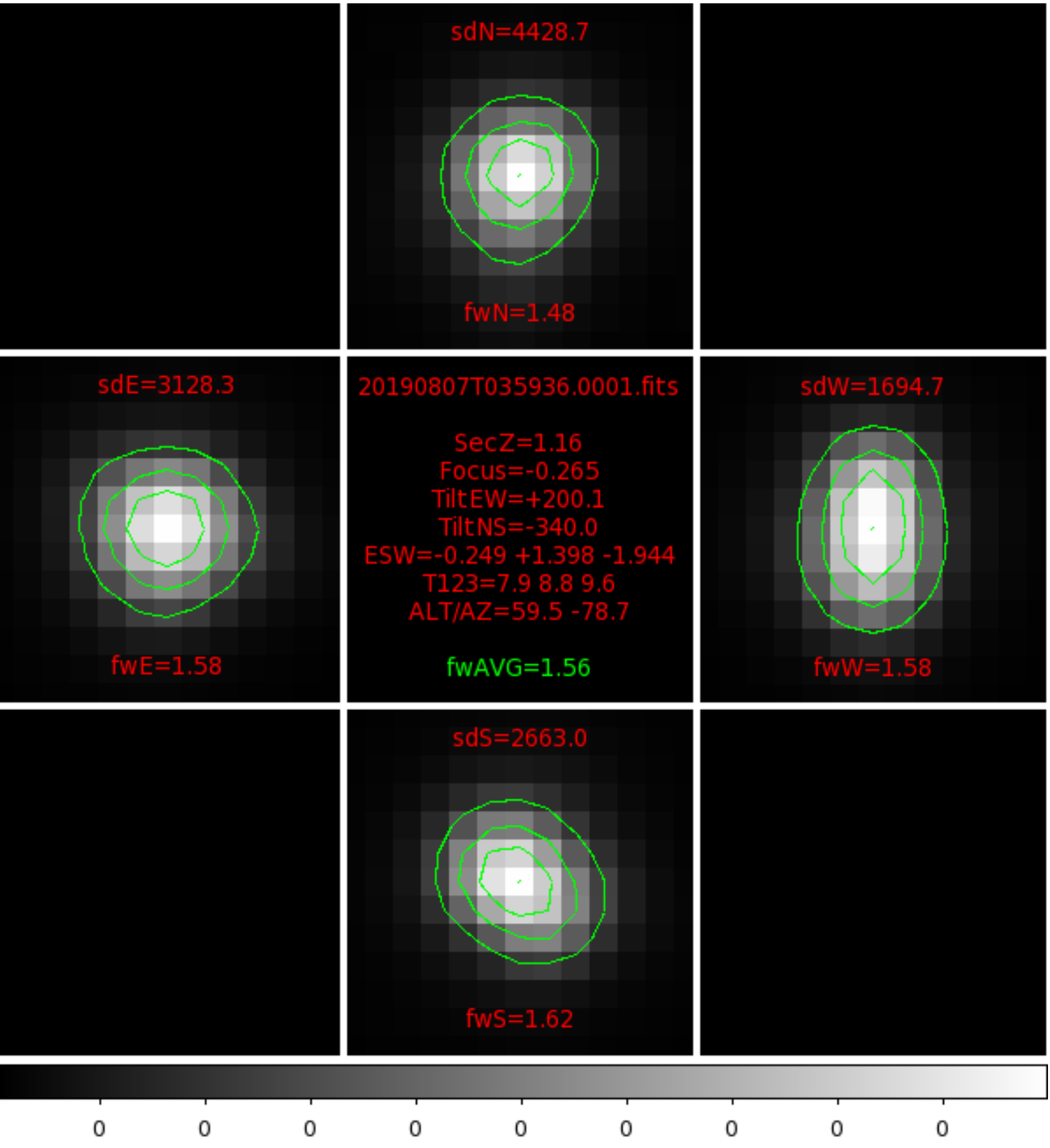
sdN=4428.7
fwN=1.48
sdE=3128.3
fwE=1.58
20190807T035936.0001.fits
SecZ=1.16
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.9 8.8 9.6
ALT/AZ=59.5 -78.7
fwAVG=1.56
sdW=1694.7
fwW=1.58
sdS=2663.0
fwS=1.62
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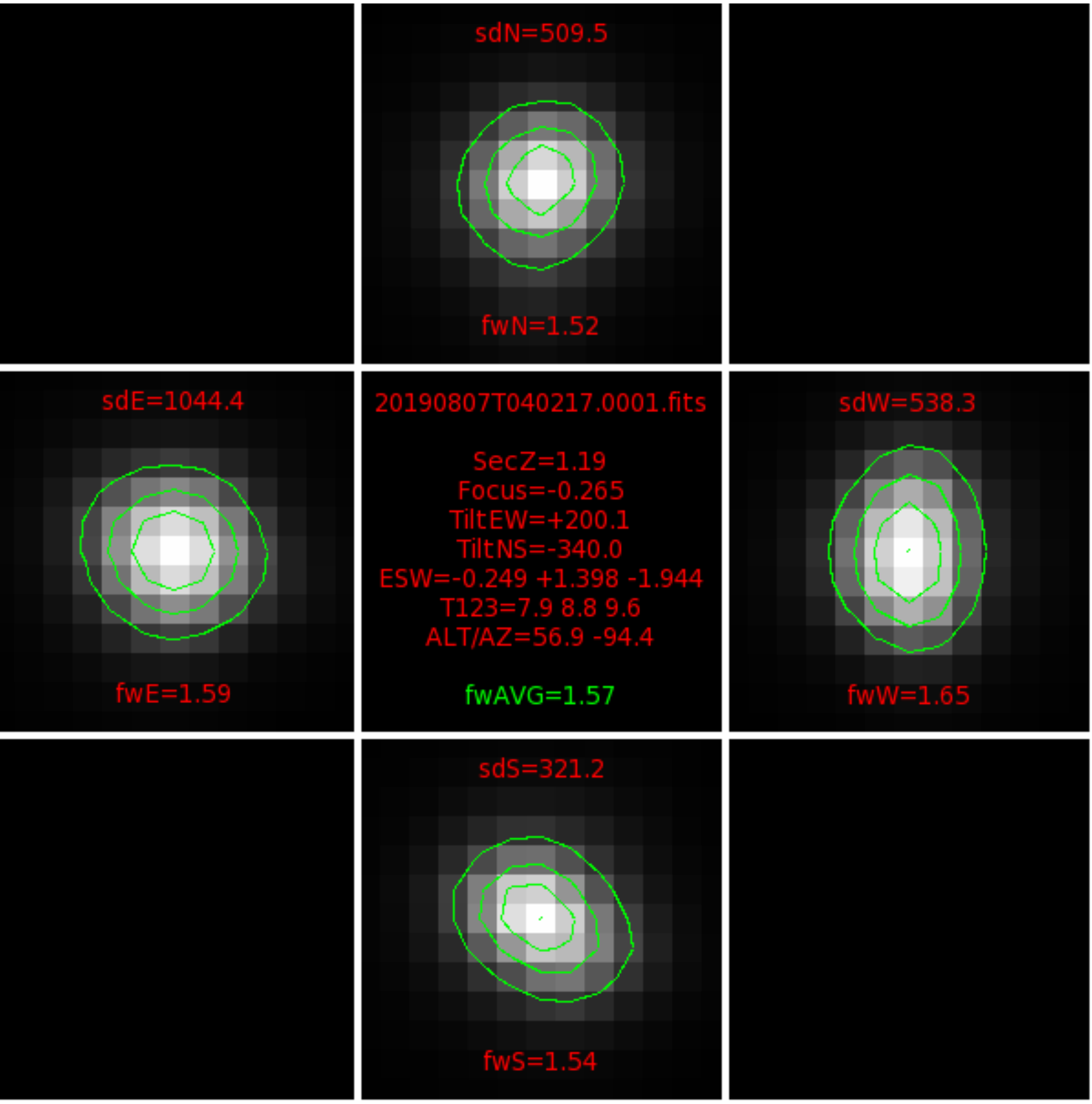
sdN=509.5
fwN=1.52
sdE=1044.4
fwE=1.59
20190807T040217.0001.fits
SecZ=1.19
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.9 8.8 9.6
ALT/AZ=56.9 -94.4
fwAVG=1.57
sdW=538.3
fwW=1.65
sdS=321.2
fwS=1.54
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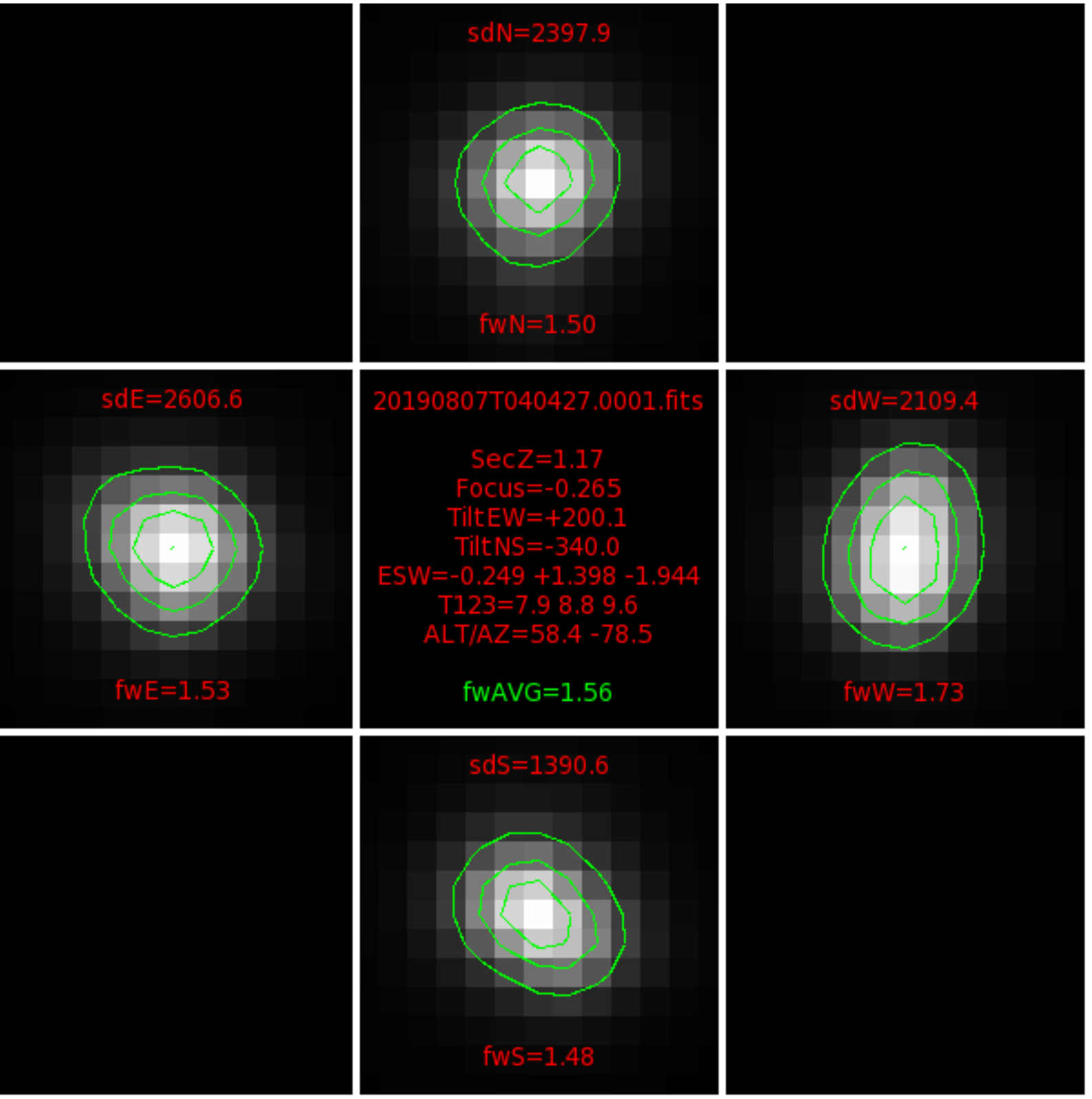
sdN=2397.9
fwN=1.50
sdE=2606.6
fwE=1.53
20190807T040427.0001.fits
SecZ=1.17
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.9 8.8 9.6
ALT/AZ=58.4 -78.5
fwAVG=1.56
sdW=2109.4
fwW=1.73
sdS=1390.6
fwS=1.48
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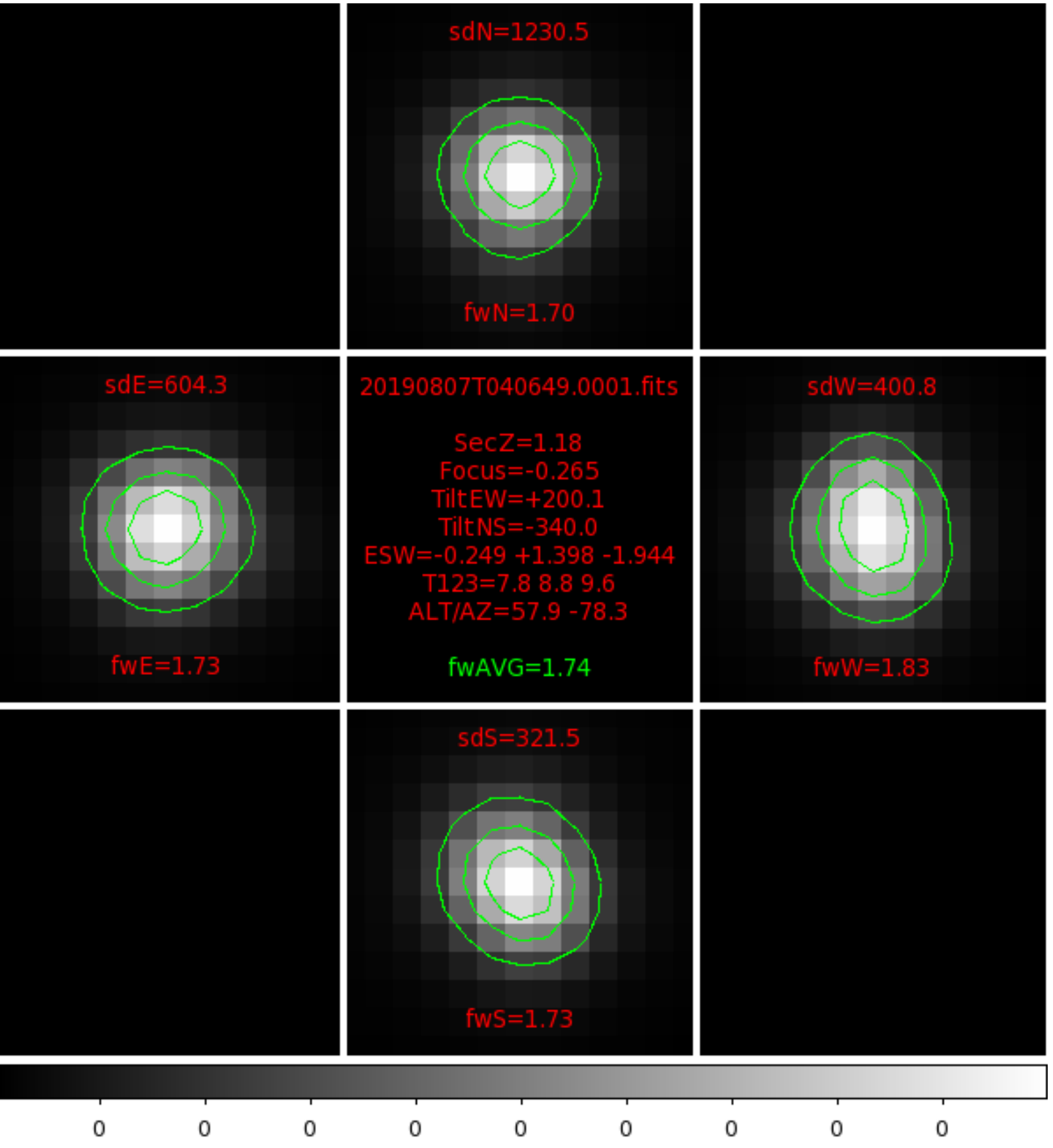
sdN=1230.5
fwN=1.70
sdE=604.3
fwE=1.73
20190807T040649.0001.fits
SecZ=1.18
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.8 9.6
ALT/AZ=57.9 -78.3
fwAVG=1.74
sdW=400.8
fwW=1.83
sdS=321.5
fwS=1.73
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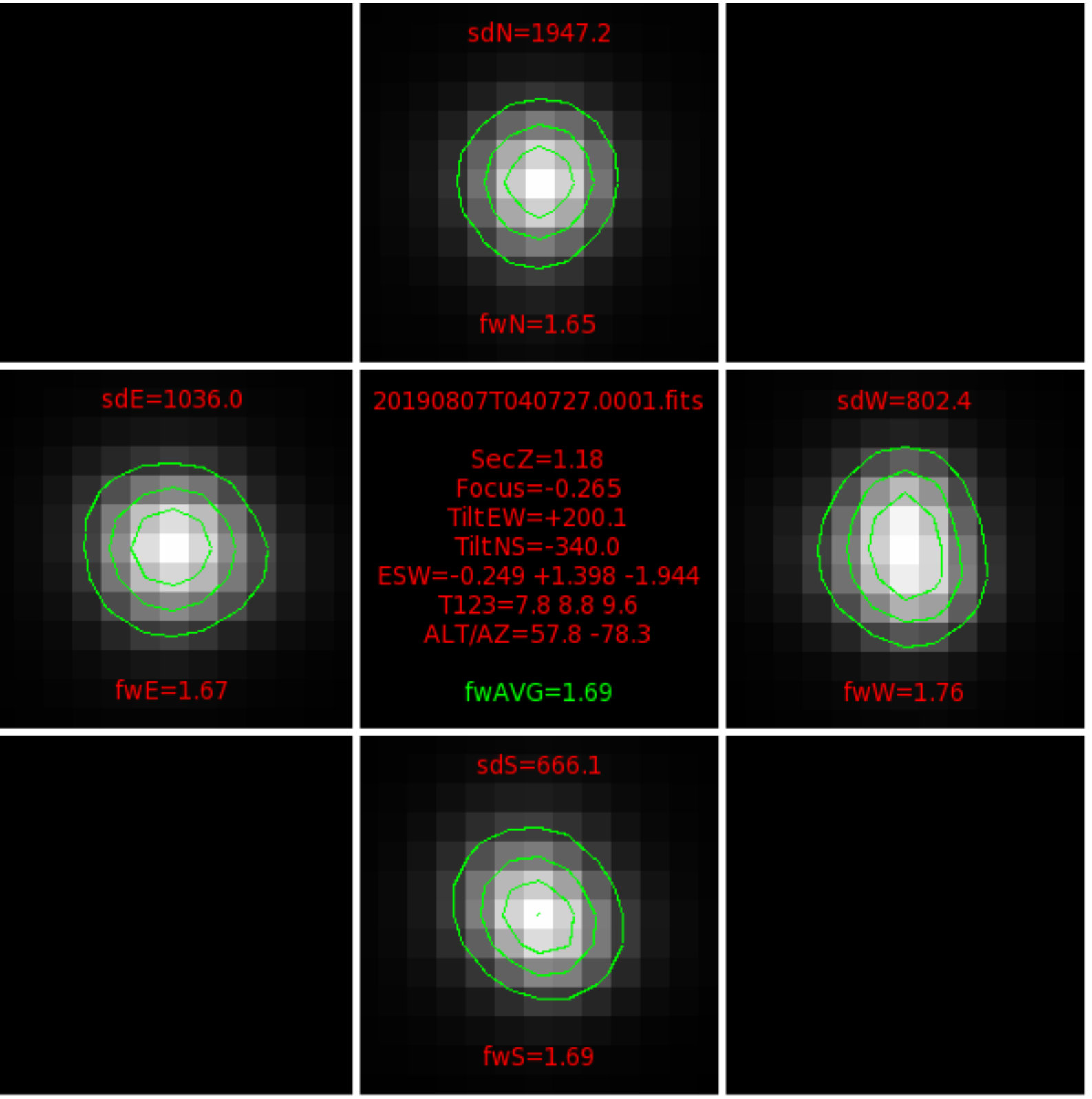
sdN=1947.2
fwN=1.65
sdE=1036.0
fwE=1.67
20190807T040727.0001.fits
SecZ=1.18
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.8 9.6
ALT/AZ=57.8 -78.3
fwAVG=1.69
sdW=802.4
fwW=1.76
sdS=666.1
fwS=1.69
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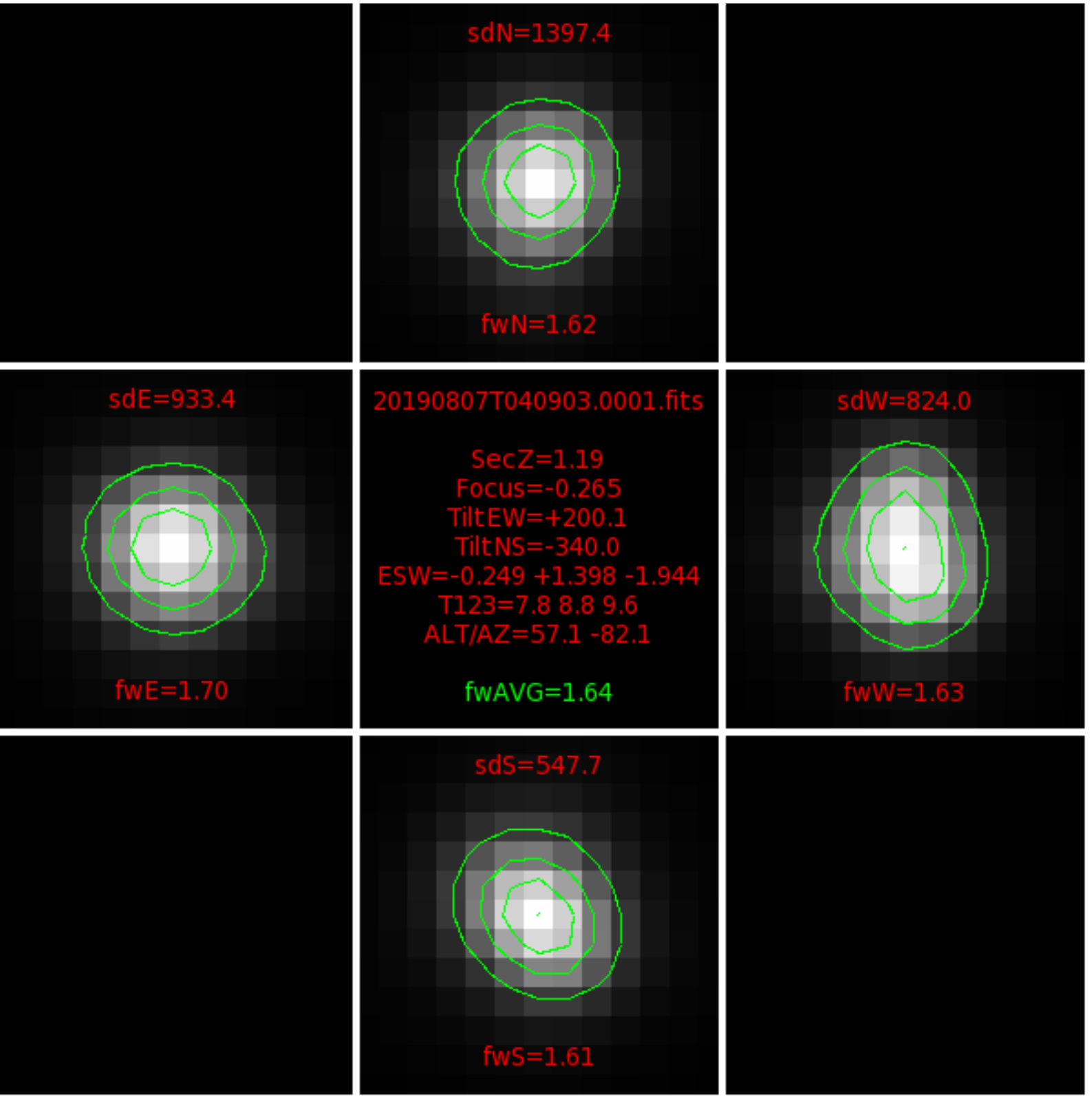
sdN=1397.4
fwN=1.62
sdE=933.4
fwE=1.70
20190807T040903.0001.fits
SecZ=1.19
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.8 9.6
ALT/AZ=57.1 -82.1
fwAVG=1.64
sdW=824.0
fwW=1.63
sdS=547.7
fwS=1.61
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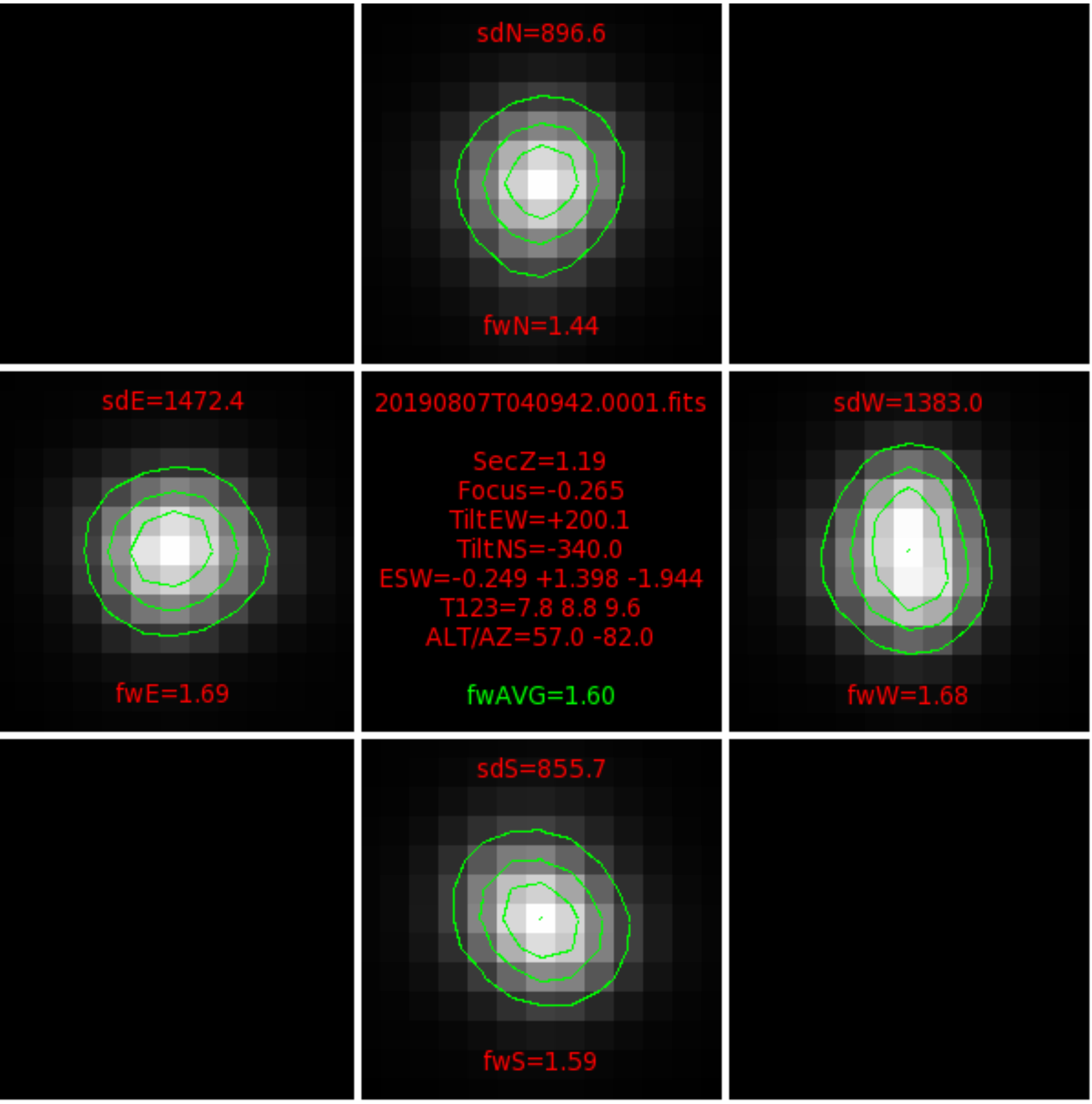
sdN=896.6
fwN=1.44
sdE=1472.4
fwE=1.69
20190807T040942.0001.fits
SecZ=1.19
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.8 9.6
ALT/AZ=57.0 -82.0
fwAVG=1.60
sdW=1383.0
fwW=1.68
sdS=855.7
fwS=1.59
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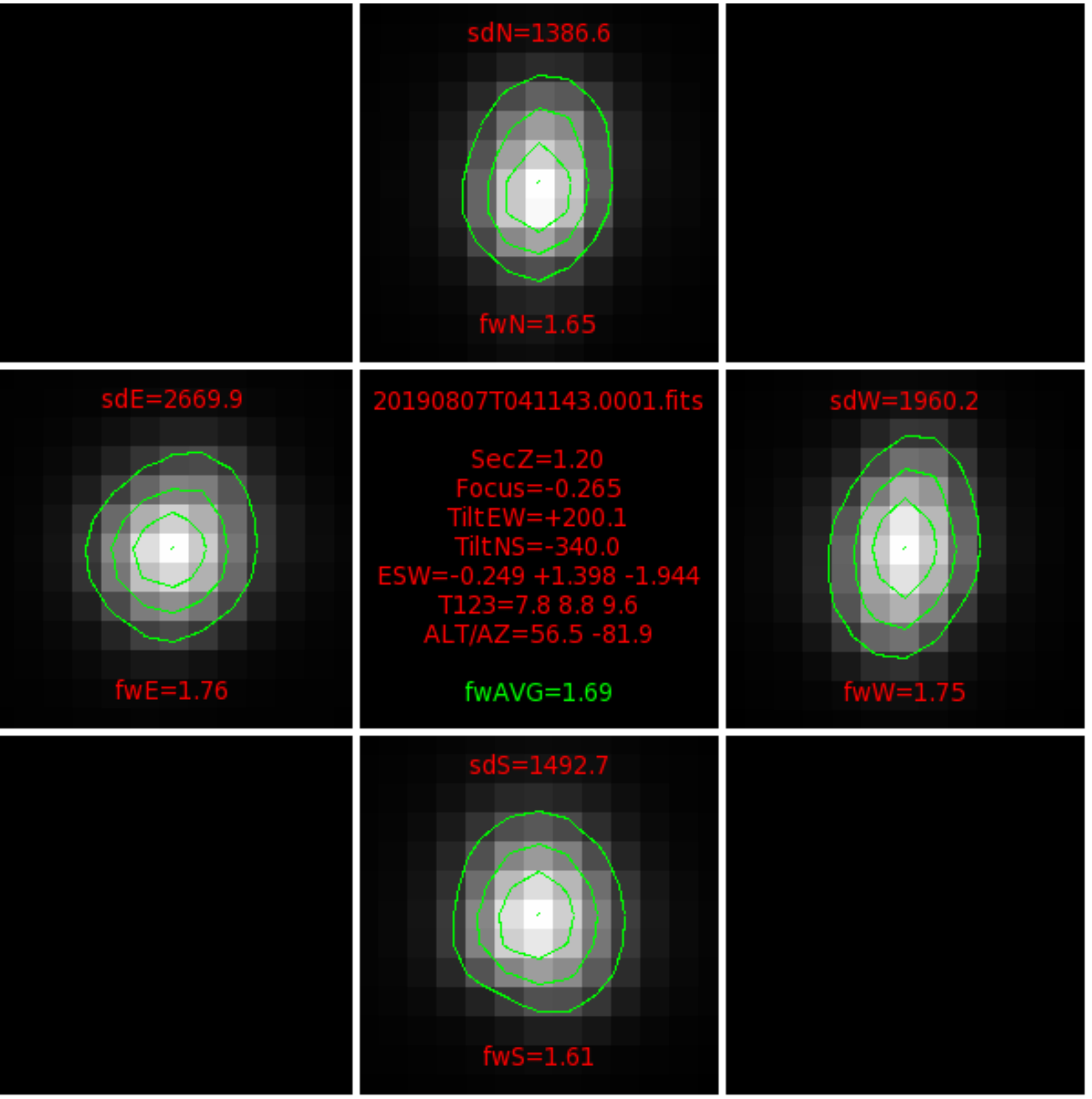
sdN=1386.6
fwN=1.65
sdE=2669.9
fwE=1.76
20190807T041143.0001.fits
SecZ=1.20
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.8 9.6
ALT/AZ=56.5 -81.9
fwAVG=1.69
sdW=1960.2
fwW=1.75
sdS=1492.7
fwS=1.61
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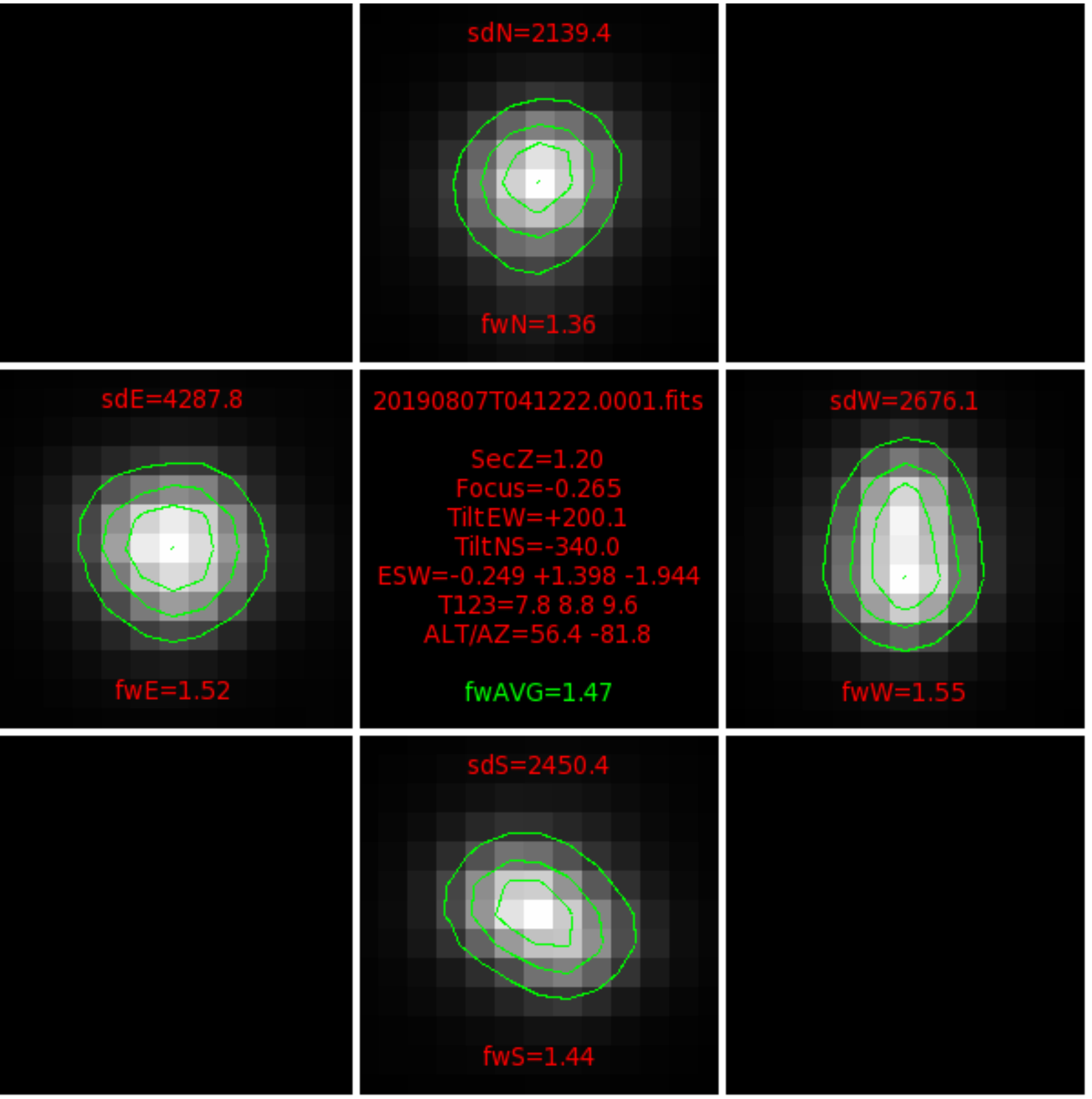
sdN=2139.4
fwN=1.36
sdE=4287.8
fwE=1.52
20190807T041222.0001.fits
SecZ=1.20
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.8 9.6
ALT/AZ=56.4 -81.8
fwAVG=1.47
sdW=2676.1
fwW=1.55
sdS=2450.4
fwS=1.44
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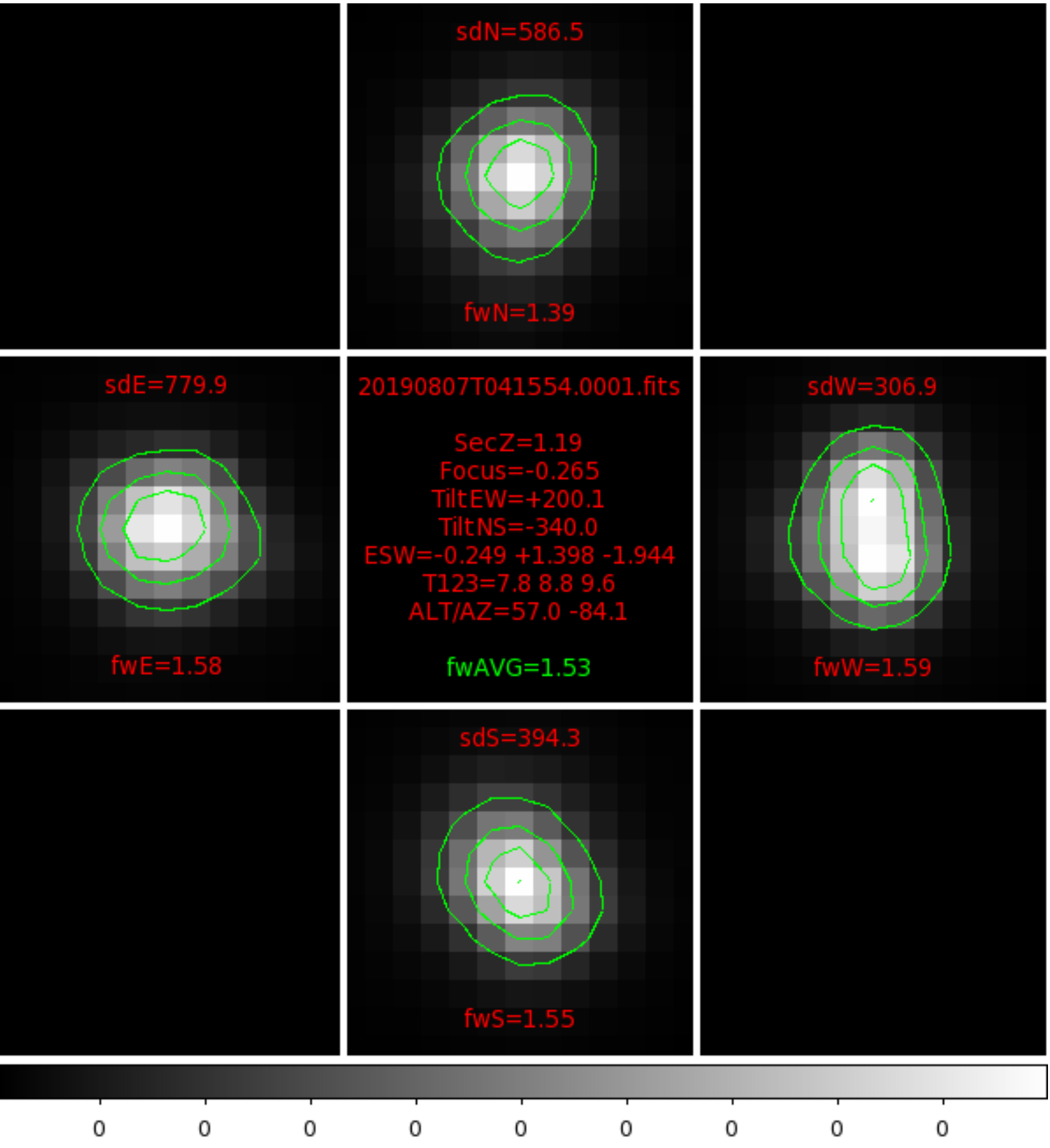
sdN=586.5
fwN=1.39
sdE=779.9
fwE=1.58
20190807T041554.0001.fits
SecZ=1.19
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.8 9.6
ALT/AZ=57.0 -84.1
fwAVG=1.53
sdW=306.9
fwW=1.59
sdS=394.3
fwS=1.55
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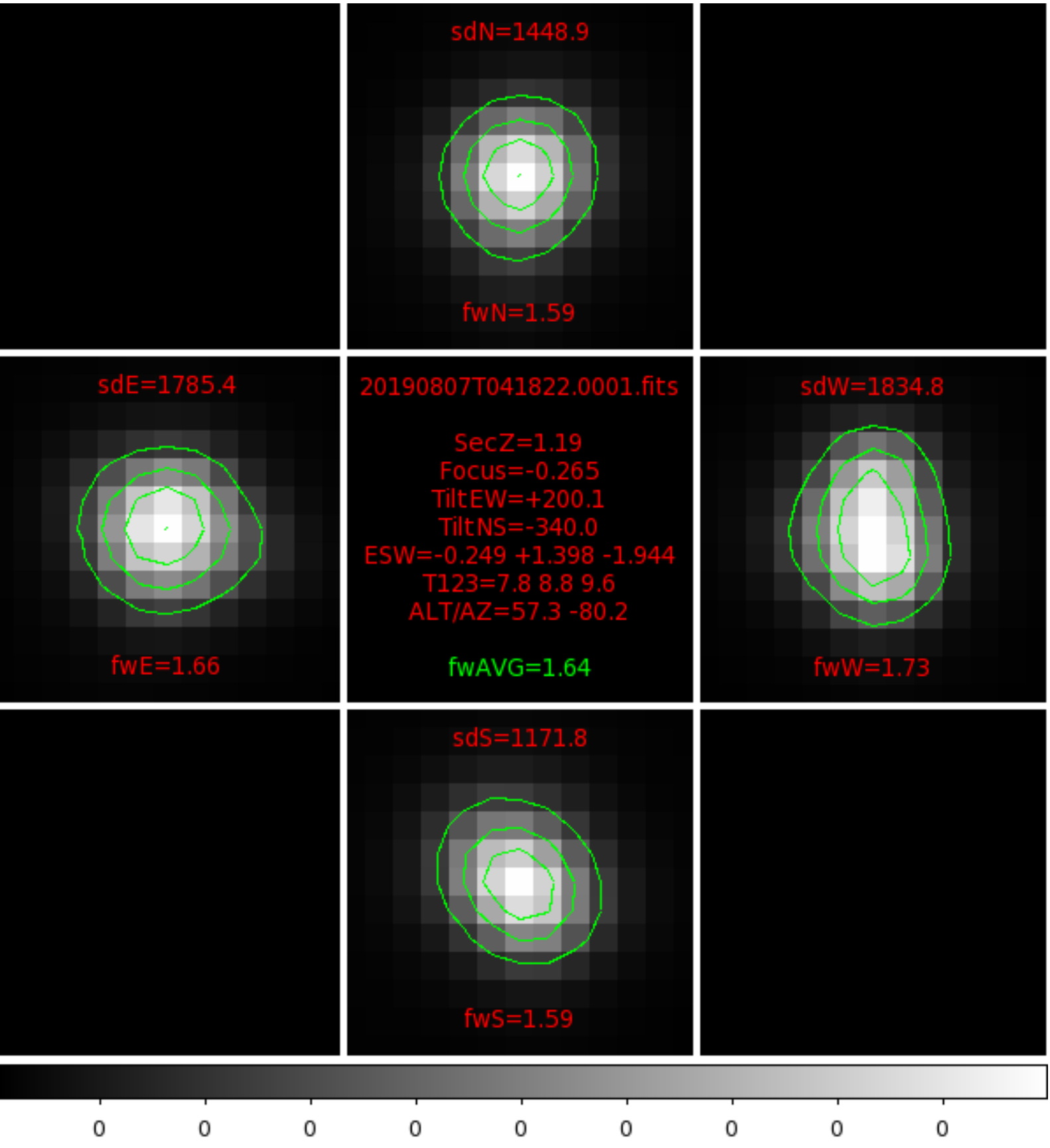
sdN=1448.9
fwN=1.59
sdE=1785.4
fwE=1.66
20190807T041822.0001.fits
SecZ=1.19
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.8 9.6
ALT/AZ=57.3 -80.2
fwAVG=1.64
sdW=1834.8
fwW=1.73
sdS=1171.8
fwS=1.59
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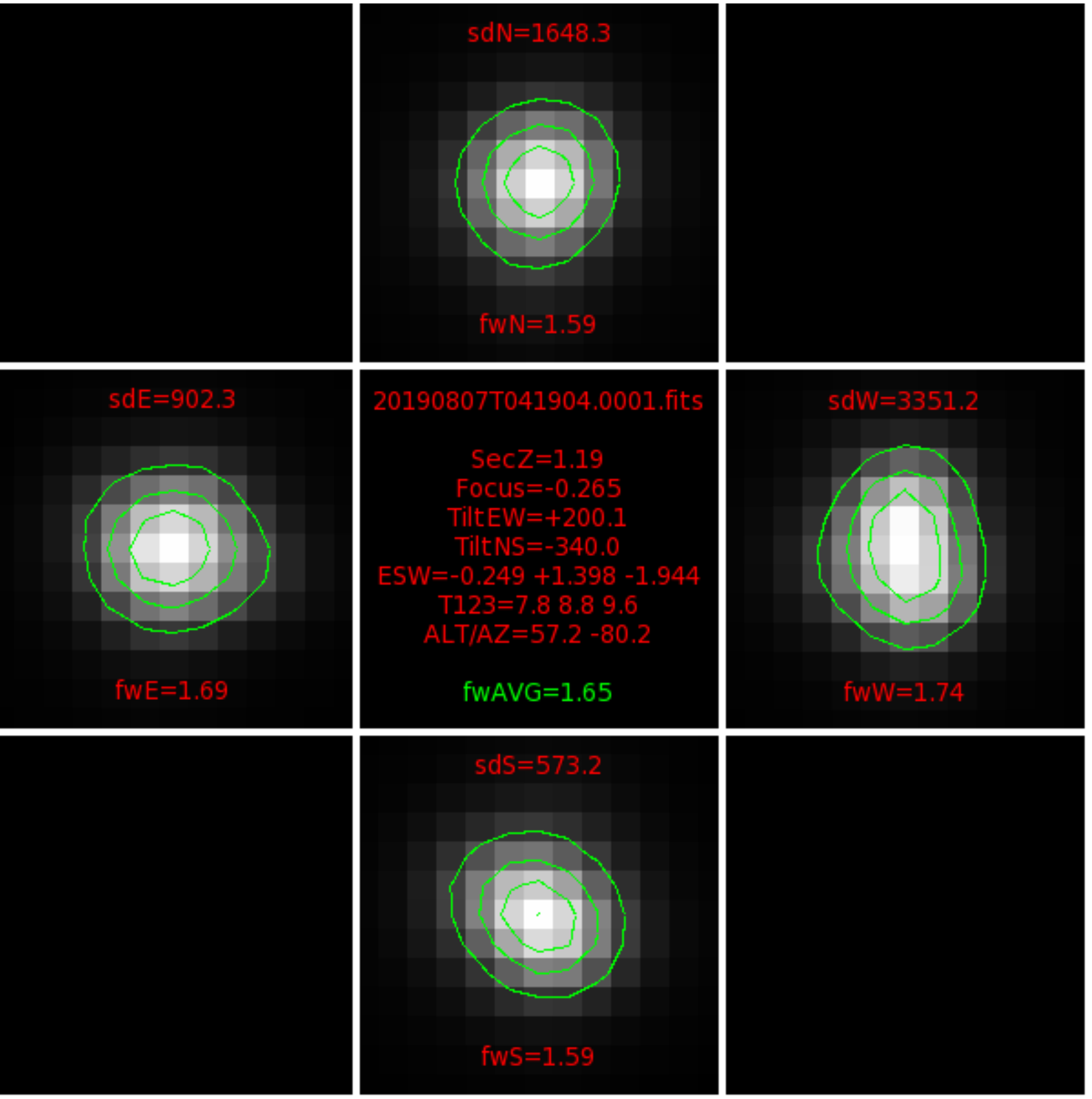
sdN=1648.3
fwN=1.59
sdE=902.3
fwE=1.69
20190807T041904.0001.fits
SecZ=1.19
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.8 9.6
ALT/AZ=57.2 -80.2
fwAVG=1.65
sdW=3351.2
fwW=1.74
sdS=573.2
fwS=1.59
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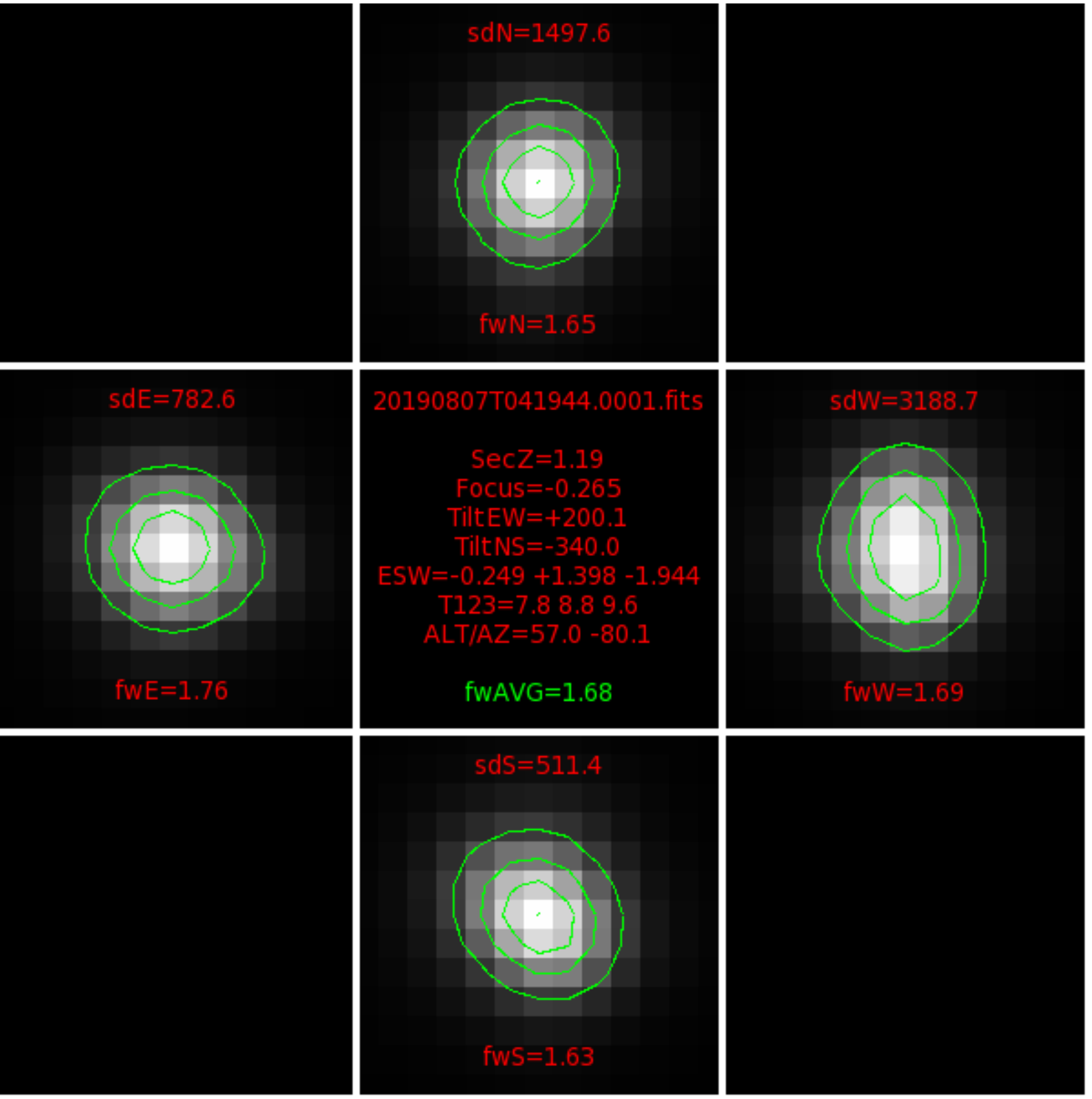
sdN=1497.6
fwN=1.65
sdE=782.6
fwE=1.76
20190807T041944.0001.fits
SecZ=1.19
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.8 9.6
ALT/AZ=57.0 -80.1
fwAVG=1.68
sdW=3188.7
fwW=1.69
sdS=511.4
fwS=1.63
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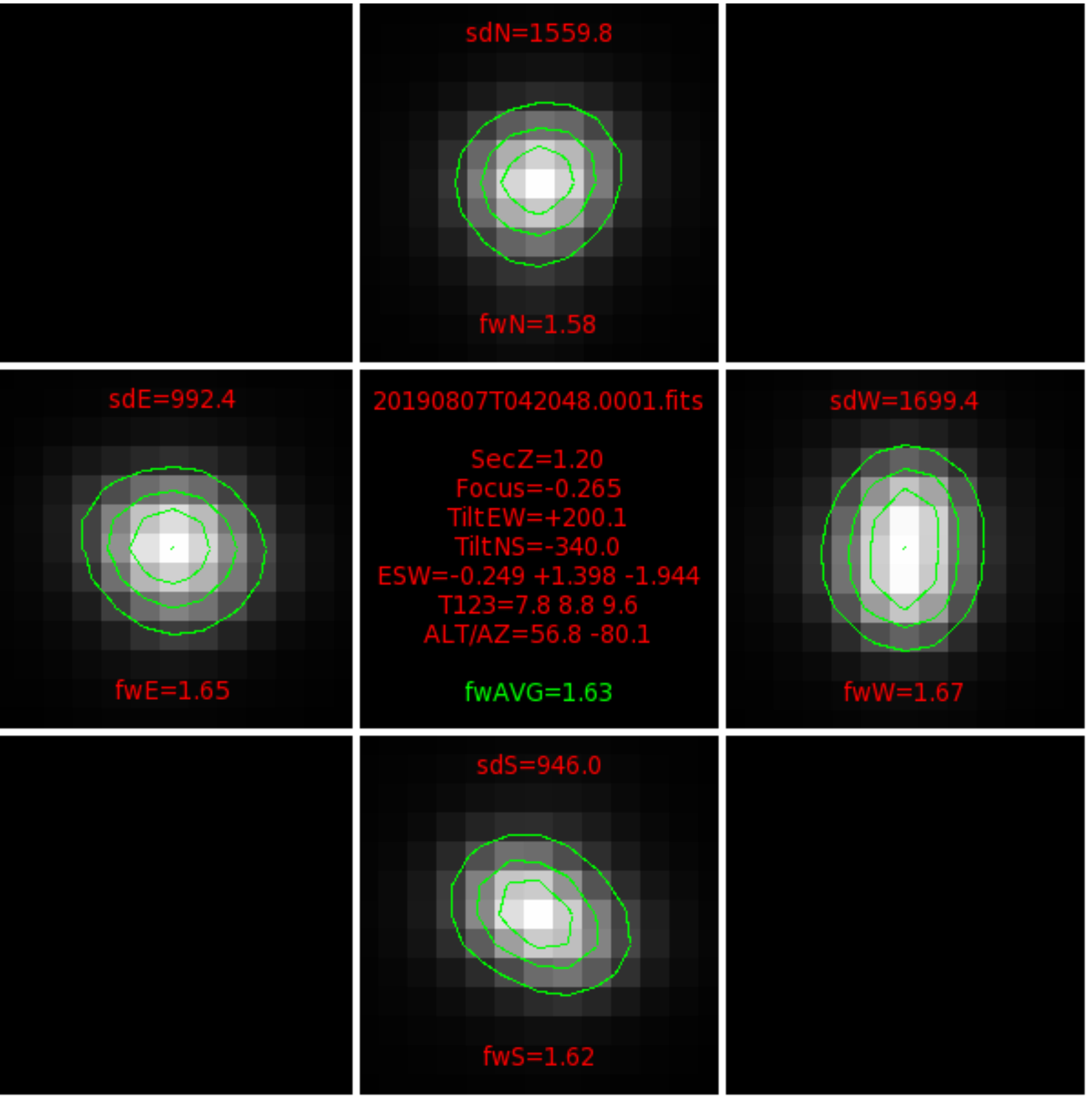
sdN=1559.8
fwN=1.58
sdE=992.4
fwE=1.65
20190807T042048.0001.fits
SecZ=1.20
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.8 9.6
ALT/AZ=56.8 -80.1
fwAVG=1.63
sdW=1699.4
fwW=1.67
sdS=946.0
fwS=1.62
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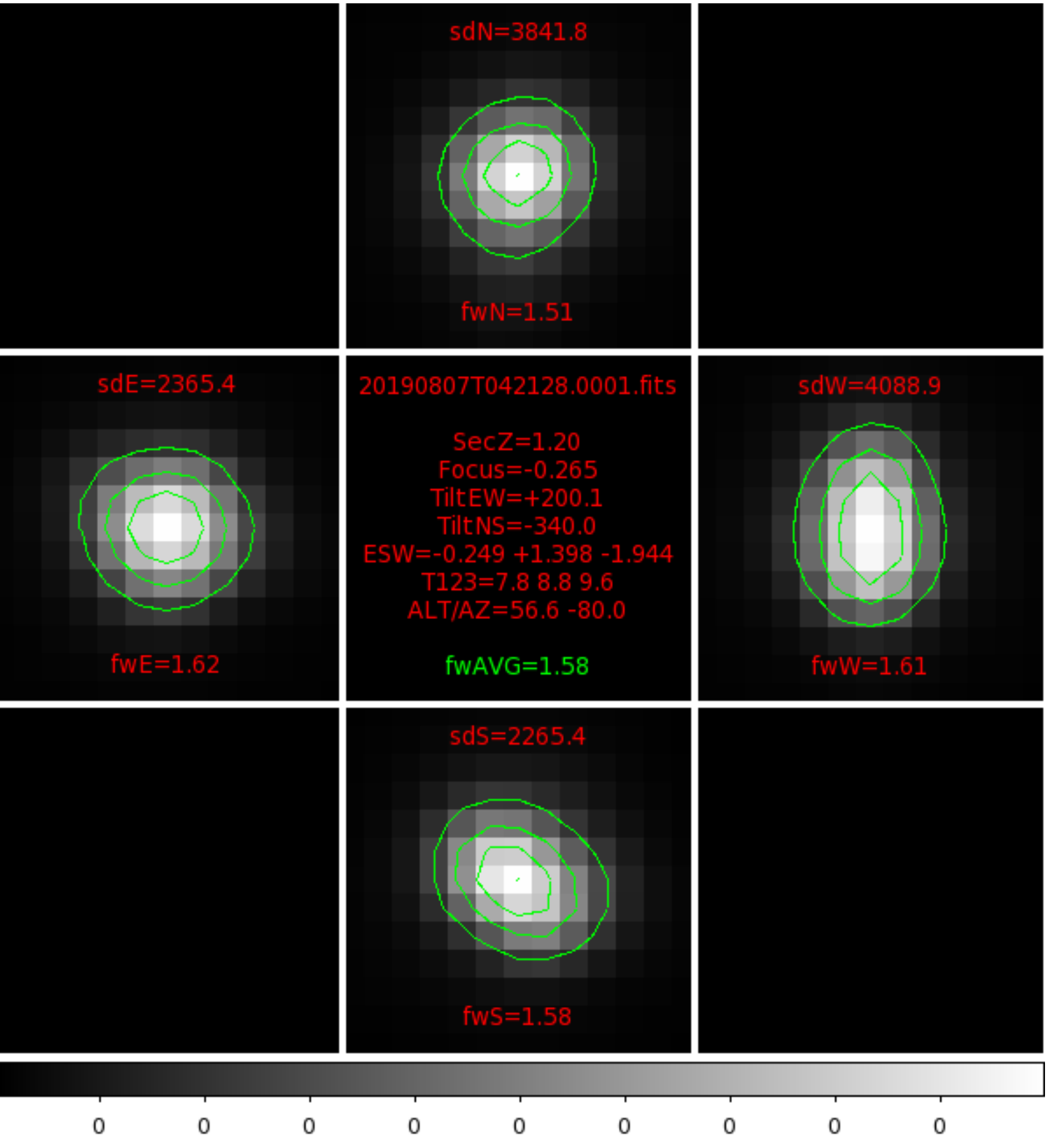
sdN=3841.8
fwN=1.51
sdE=2365.4
fwE=1.62
20190807T042128.0001.fits
SecZ=1.20
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.8 9.6
ALT/AZ=56.6 -80.0
fwAVG=1.58
sdW=4088.9
fwW=1.61
sdS=2265.4
fwS=1.58
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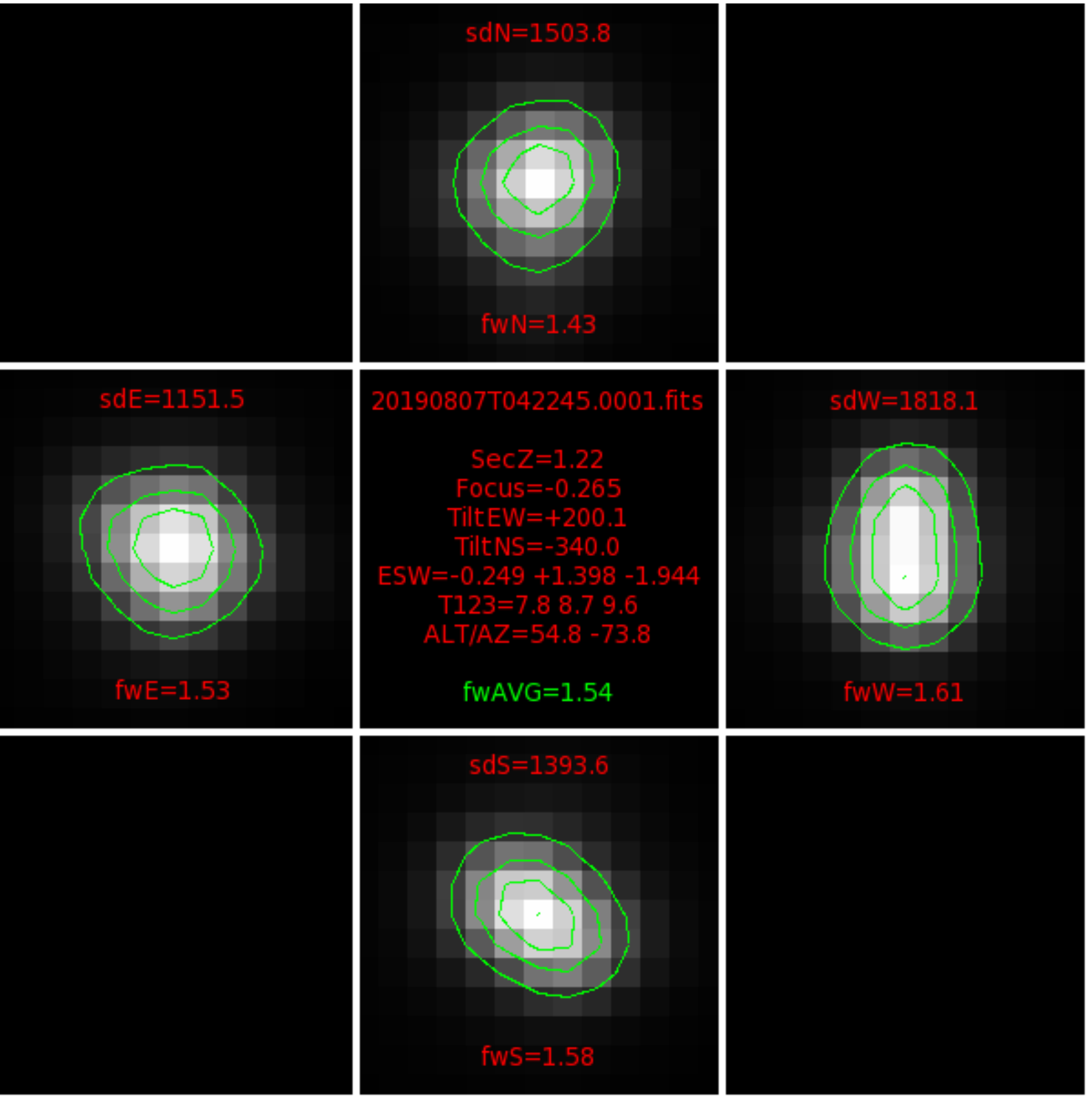
sdN=1503.8
fwN=1.43
sdE=1151.5
fwE=1.53
20190807T042245.0001.fits
SecZ=1.22
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.7 9.6
ALT/AZ=54.8 -73.8
fwAVG=1.54
sdW=1818.1
fwW=1.61
sdS=1393.6
fwS=1.58
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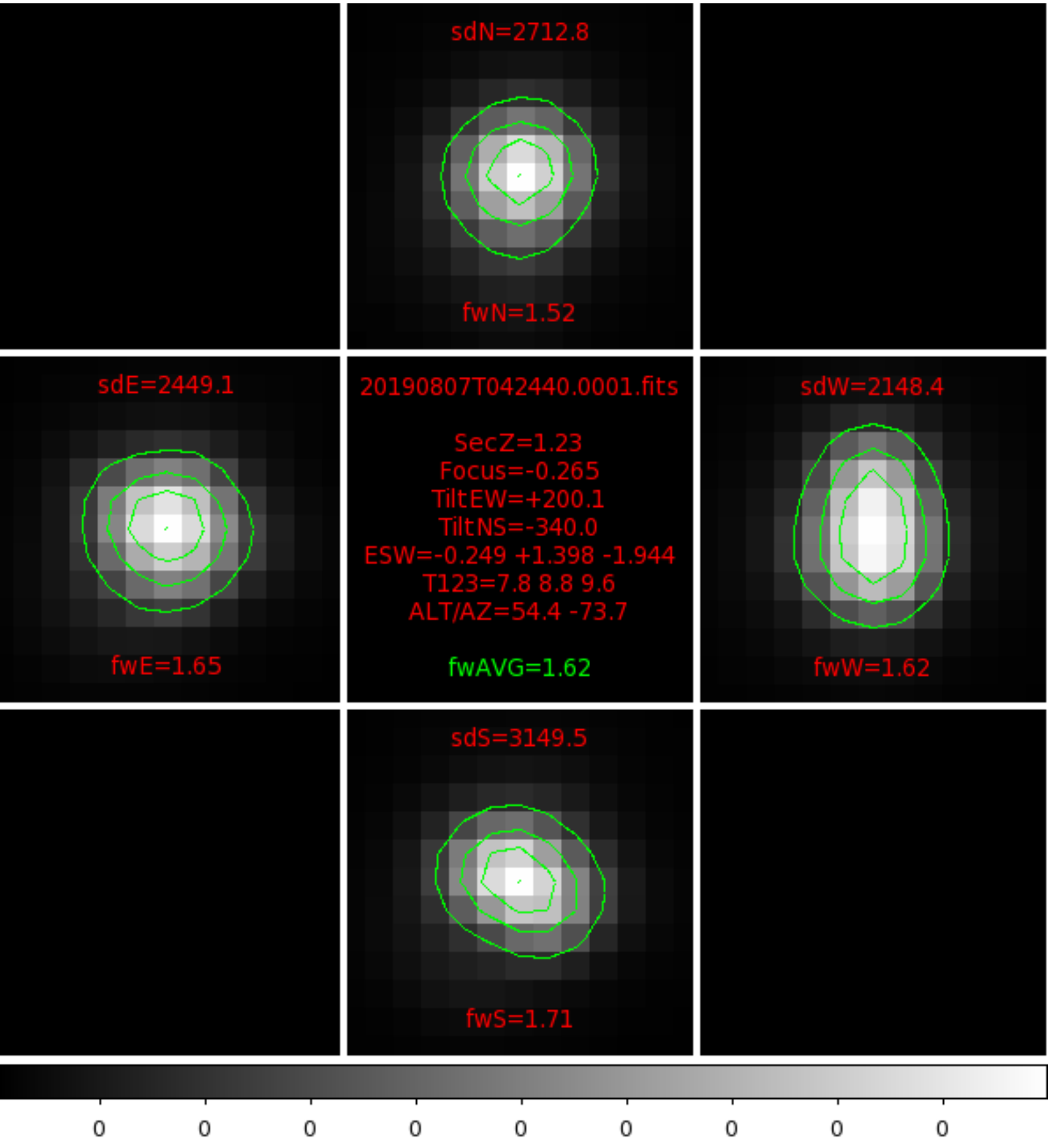
sdN=2712.8
fwN=1.52
sdE=2449.1
fwE=1.65
20190807T042440.0001.fits
SecZ=1.23
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.8 9.6
ALT/AZ=54.4 -73.7
fwAVG=1.62
sdW=2148.4
fwW=1.62
sdS=3149.5
fwS=1.71
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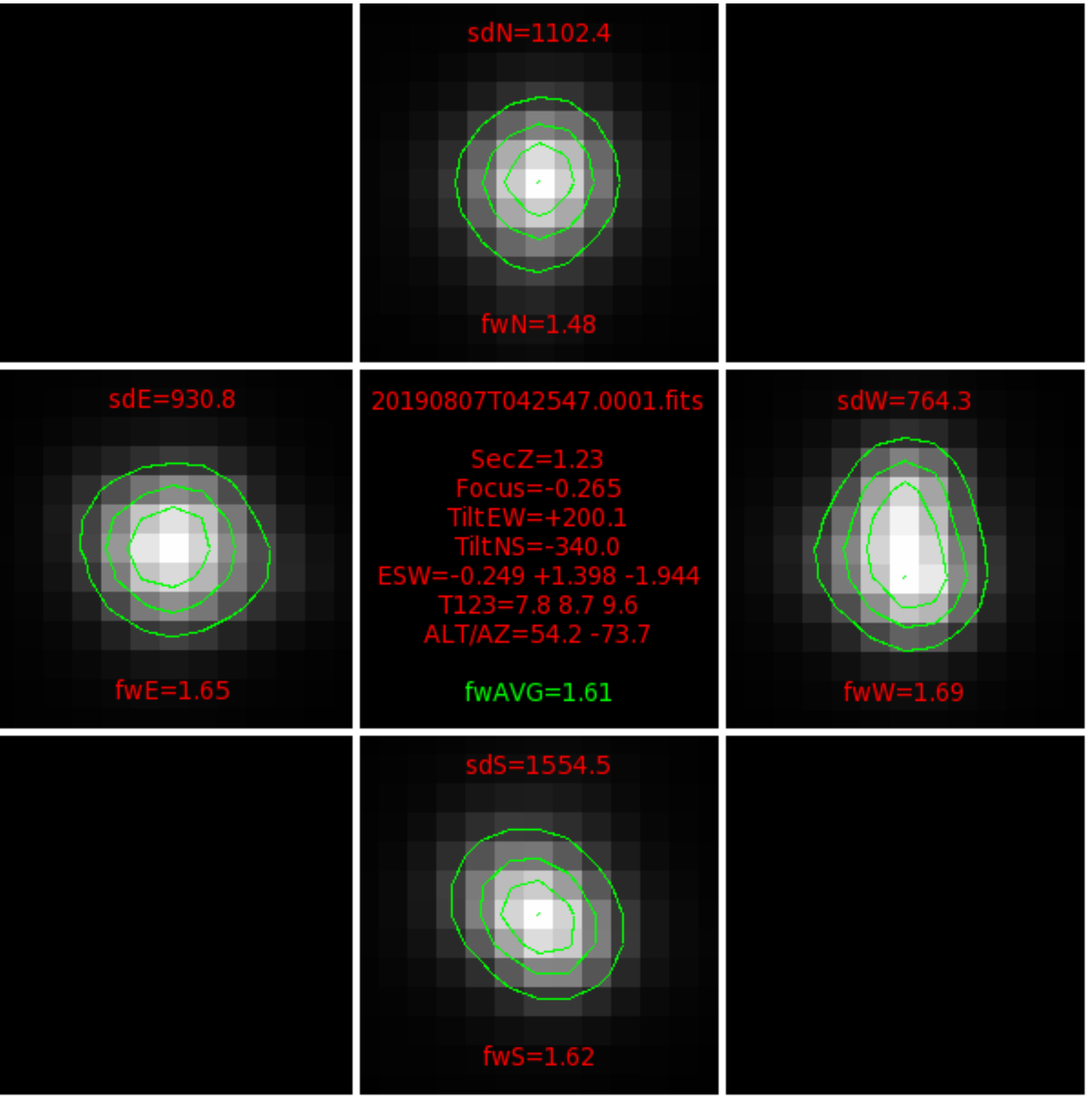
sdN=1102.4
fwN=1.48
sdE=930.8
fwE=1.65
20190807T042547.0001.fits
SecZ=1.23
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.7 9.6
ALT/AZ=54.2 -73.7
fwAVG=1.61
sdW=764.3
fwW=1.69
sdS=1554.5
fwS=1.62
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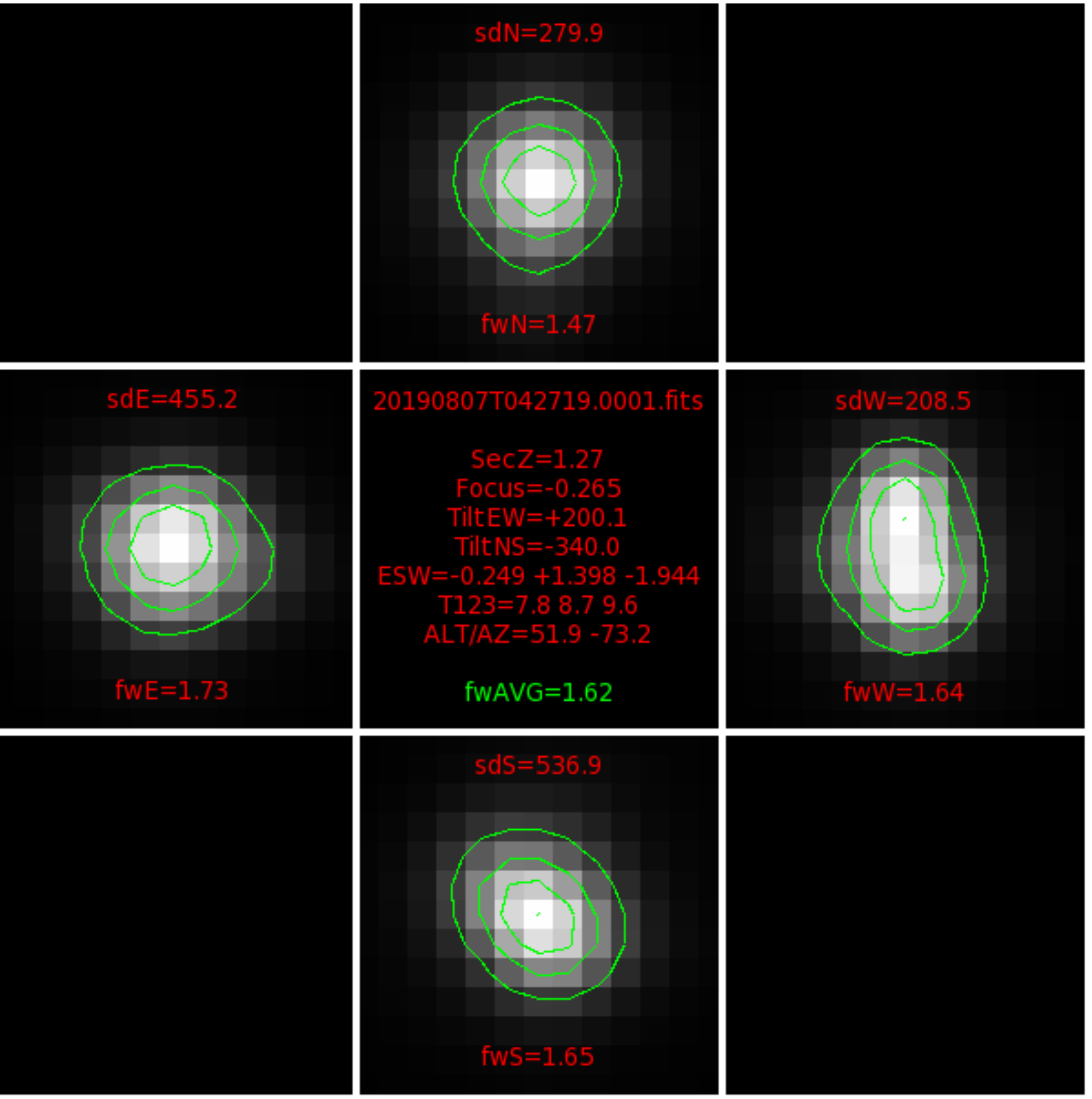
sdN=279.9
fwN=1.47
sdE=455.2
fwE=1.73
20190807T042719.0001.fits
SecZ=1.27
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.7 9.6
ALT/AZ=51.9 -73.2
fwAVG=1.62
sdW=208.5
fwW=1.64
sdS=536.9
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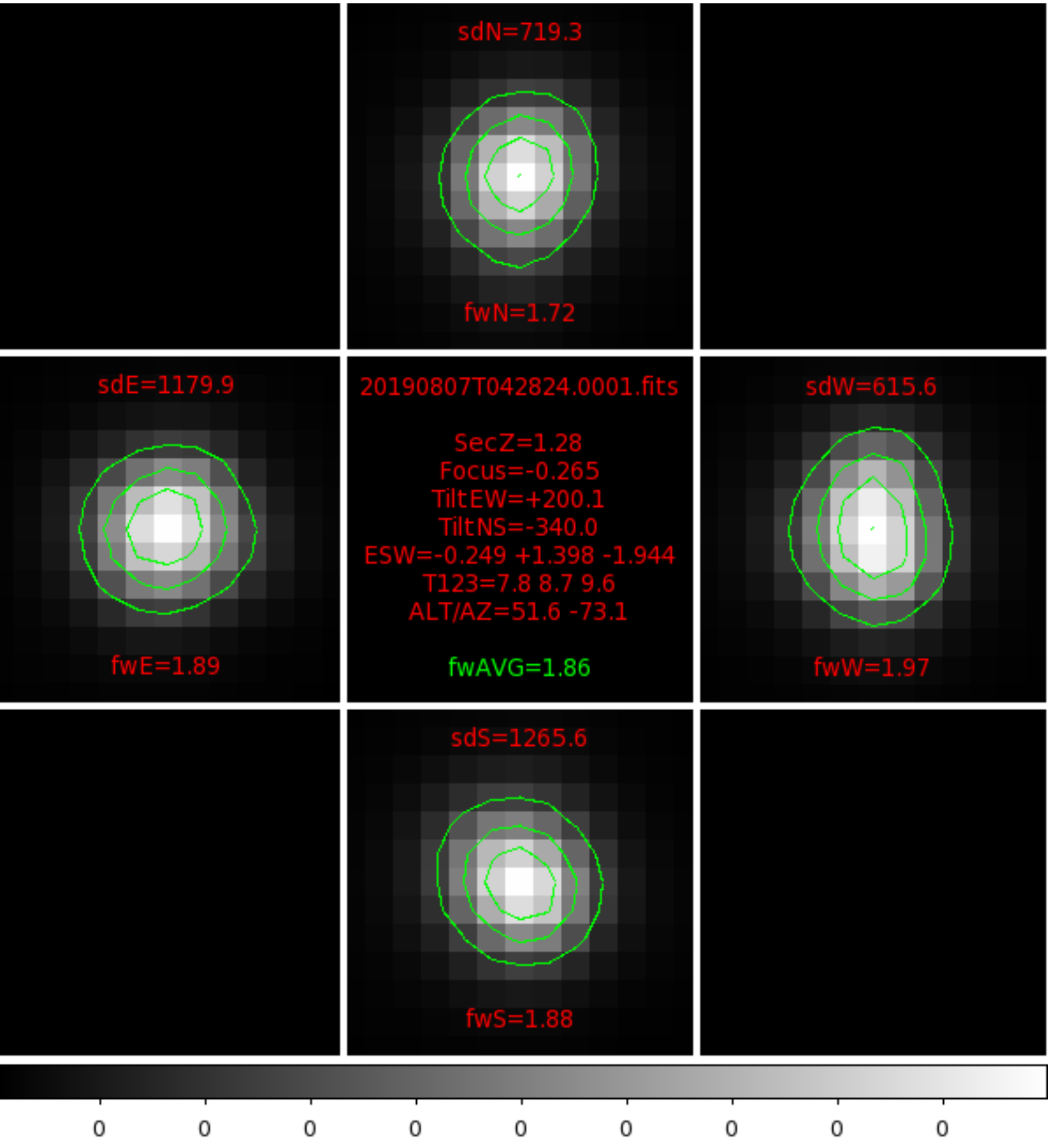
sdN=719.3
fwN=1.72
sdE=1179.9
fwE=1.89
20190807T042824.0001.fits
SecZ=1.28
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.7 9.6
ALT/AZ=51.6 -73.1
fwAVG=1.86
sdW=615.6
fwW=1.97
sdS=1265.6
fwS=1.88
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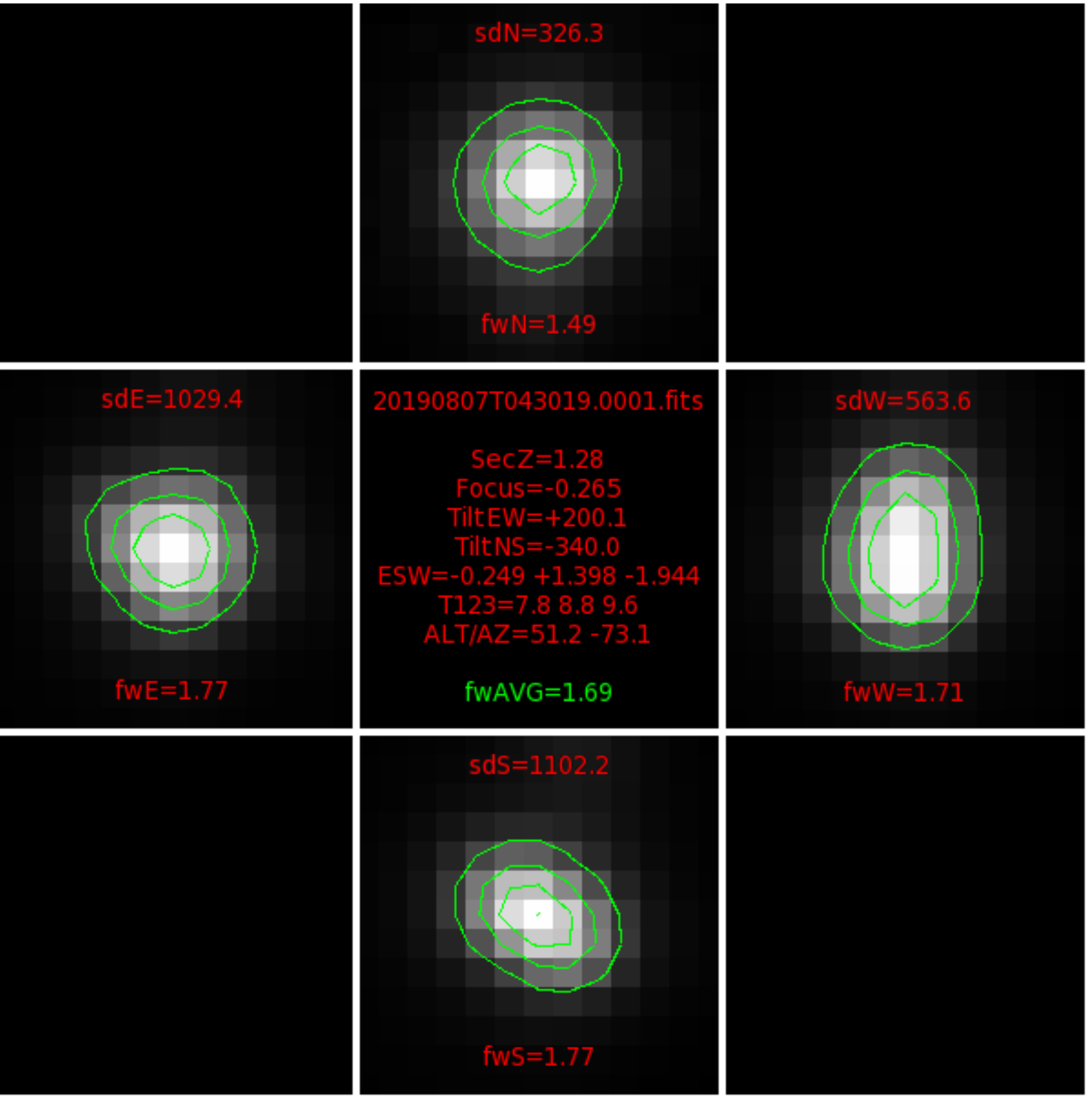
sdN=326.3
fwN=1.49
sdE=1029.4
fwE=1.77
20190807T043019.0001.fits
SecZ=1.28
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.8 9.6
ALT/AZ=51.2 -73.1
fwAVG=1.69
sdW=563.6
fwW=1.71
sdS=1102.2
fwS=1.77
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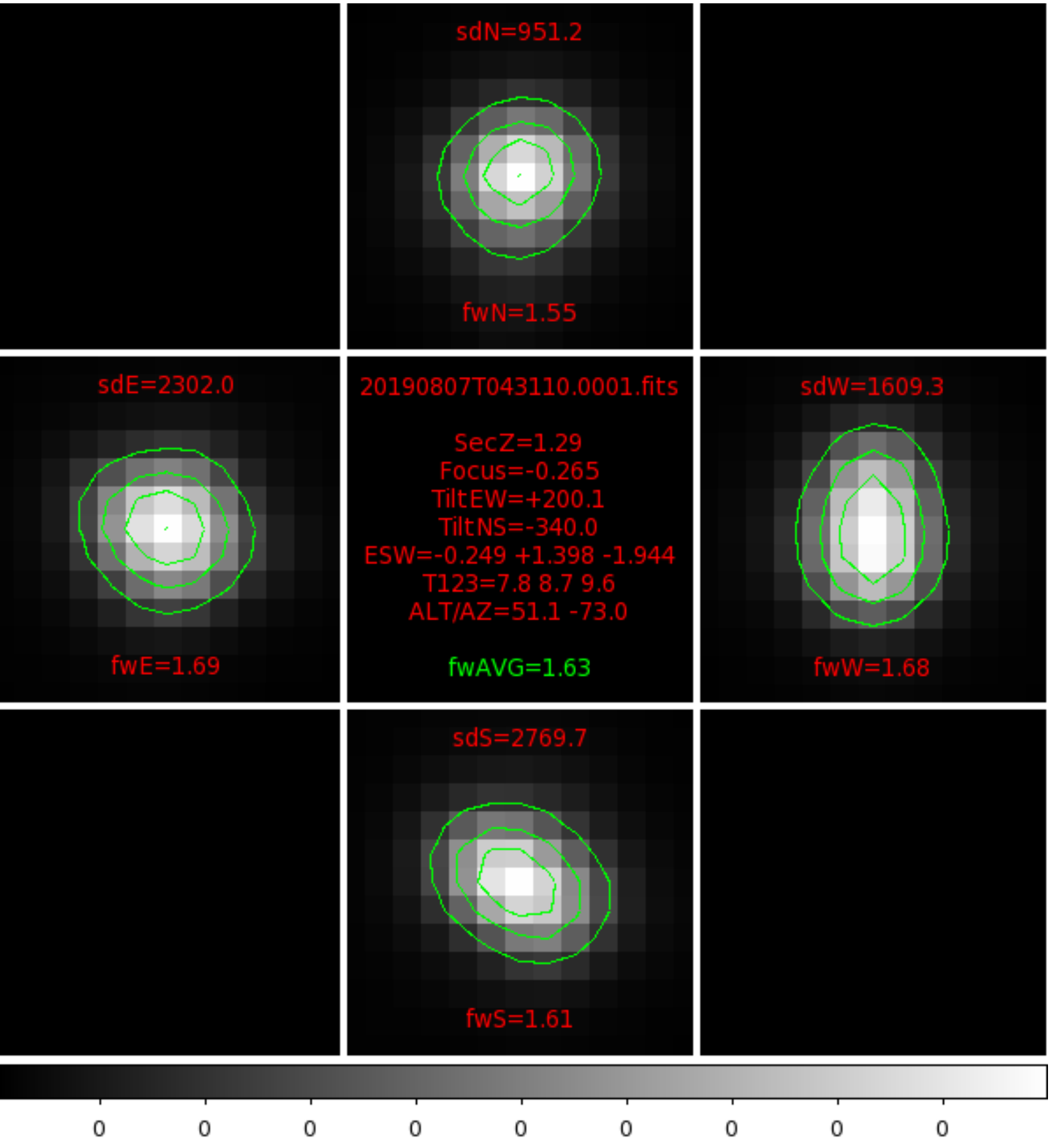
sdN=951.2
fwN=1.55
sdE=2302.0
fwE=1.69
20190807T043110.0001.fits
SecZ=1.29
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.7 9.6
ALT/AZ=51.1 -73.0
fwAVG=1.63
sdW=1609.3
fwW=1.68
sdS=2769.7
fwS=1.61
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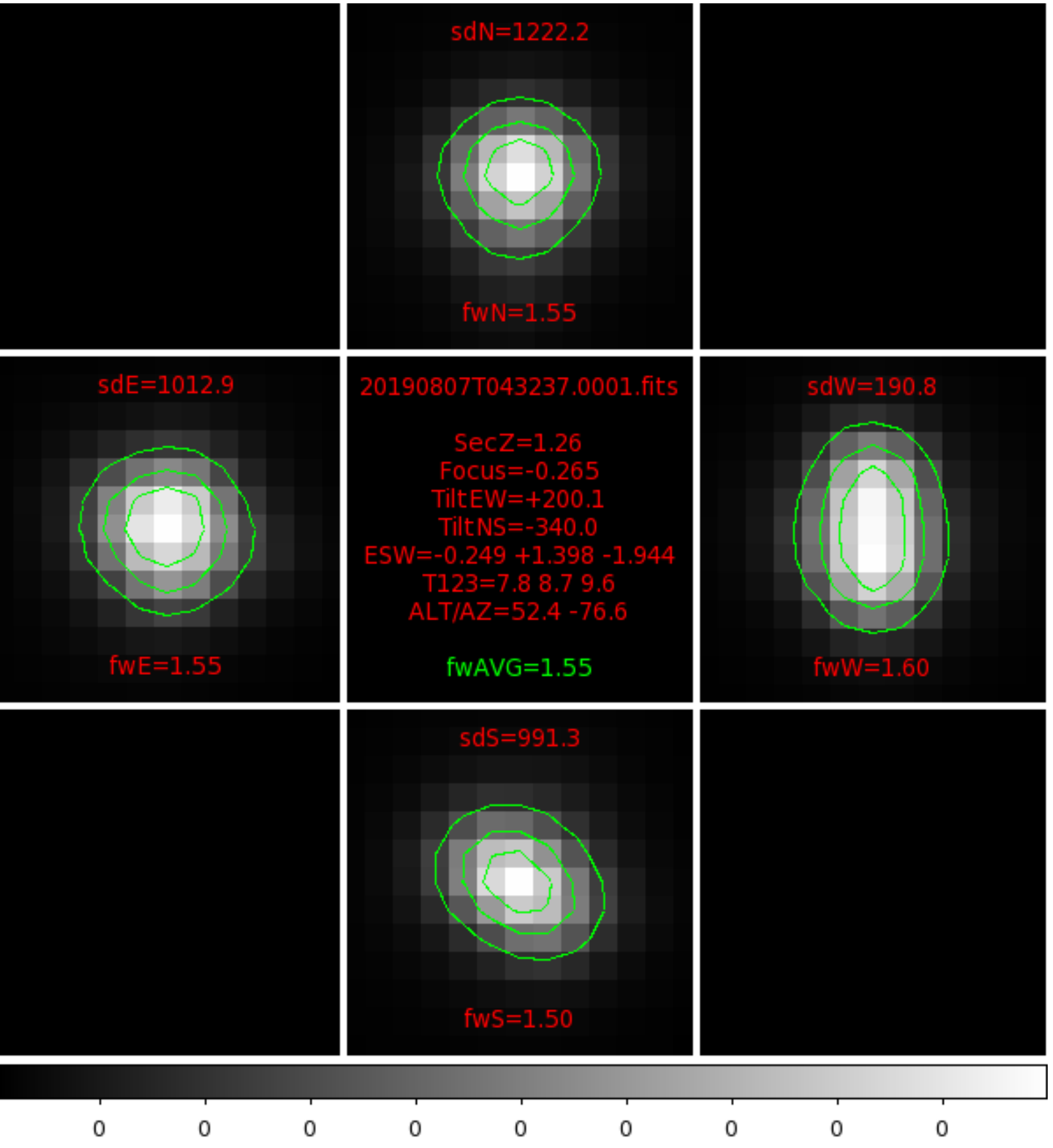
sdN=1222.2
fwN=1.55
sdE=1012.9
fwE=1.55
20190807T043237.0001.fits
SecZ=1.26
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.7 9.6
ALT/AZ=52.4 -76.6
fwAVG=1.55
sdW=190.8
fwW=1.60
sdS=991.3
fwS=1.50
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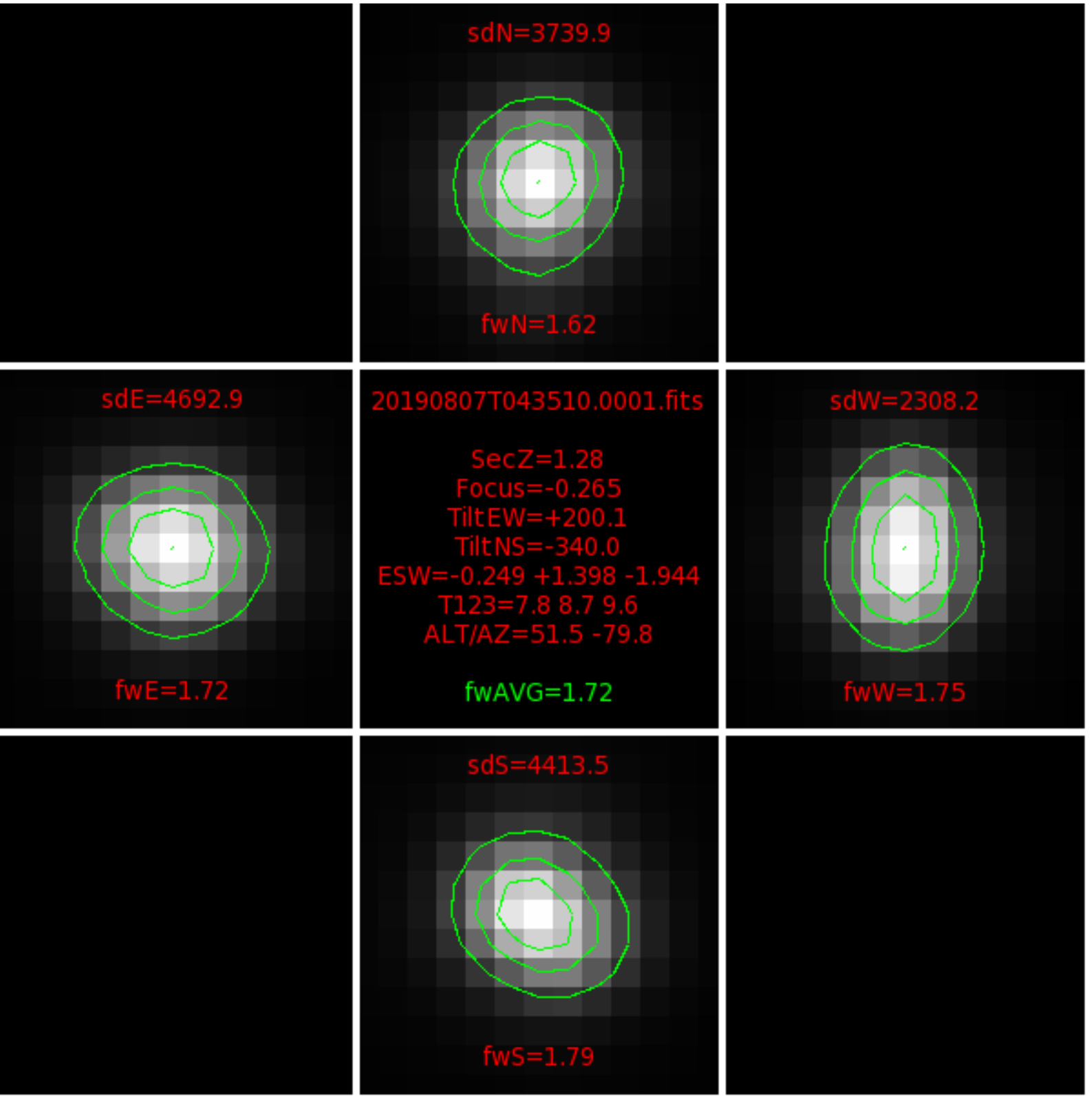
sdN=3739.9
fwN=1.62
sdE=4692.9
fwE=1.72
20190807T043510.0001.fits
SecZ=1.28
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.7 9.6
ALT/AZ=51.5 -79.8
fwAVG=1.72
sdW=2308.2
fwW=1.75
sdS=4413.5
fwS=1.79
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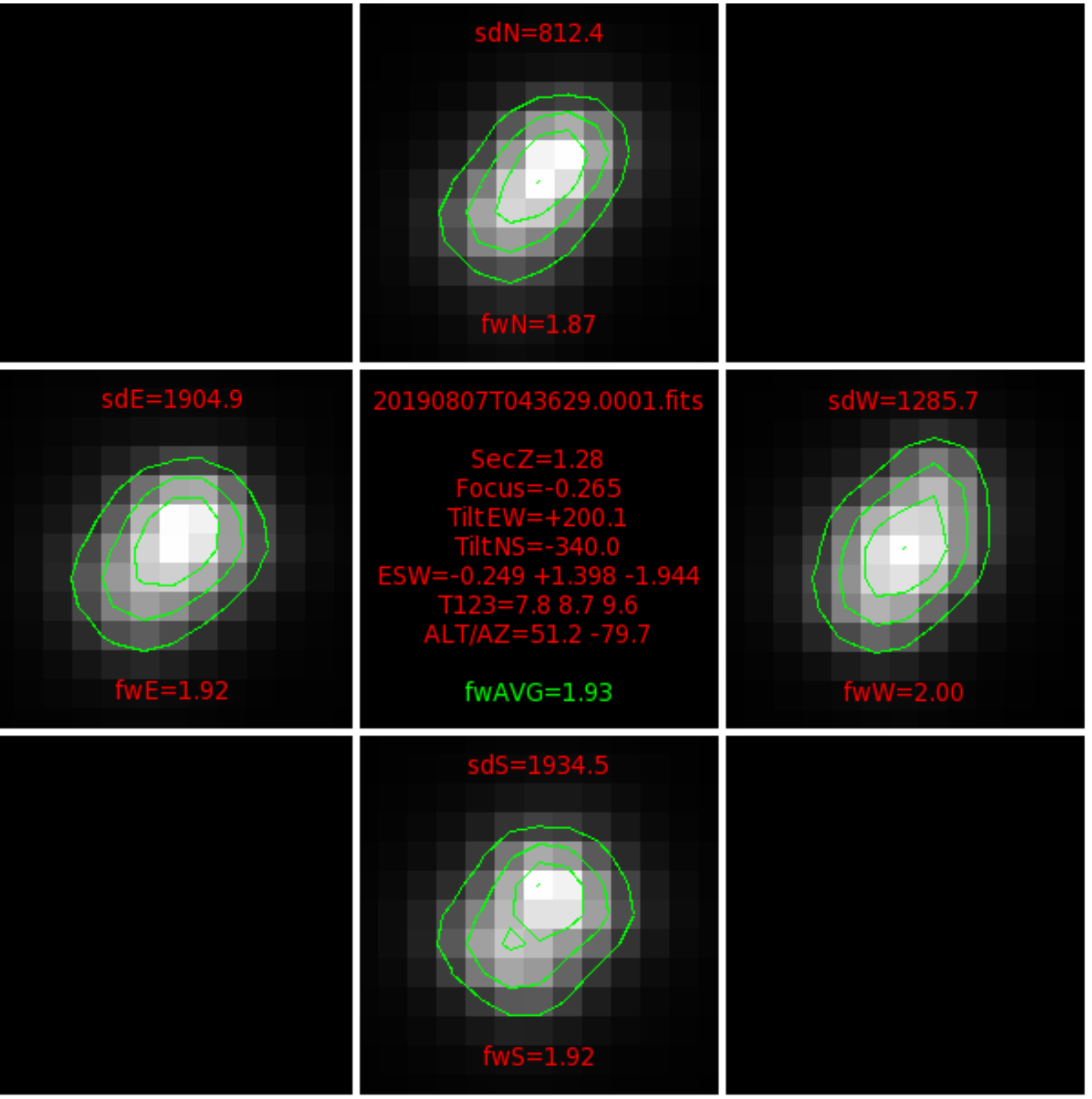
sdN=812.4
fwN=1.87
sdE=1904.9
fwE=1.92
20190807T043629.0001.fits
SecZ=1.28
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.7 9.6
ALT/AZ=51.2 -79.7
fwAVG=1.93
sdW=1285.7
fwW=2.00
sdS=1934.5
fwS=1.92
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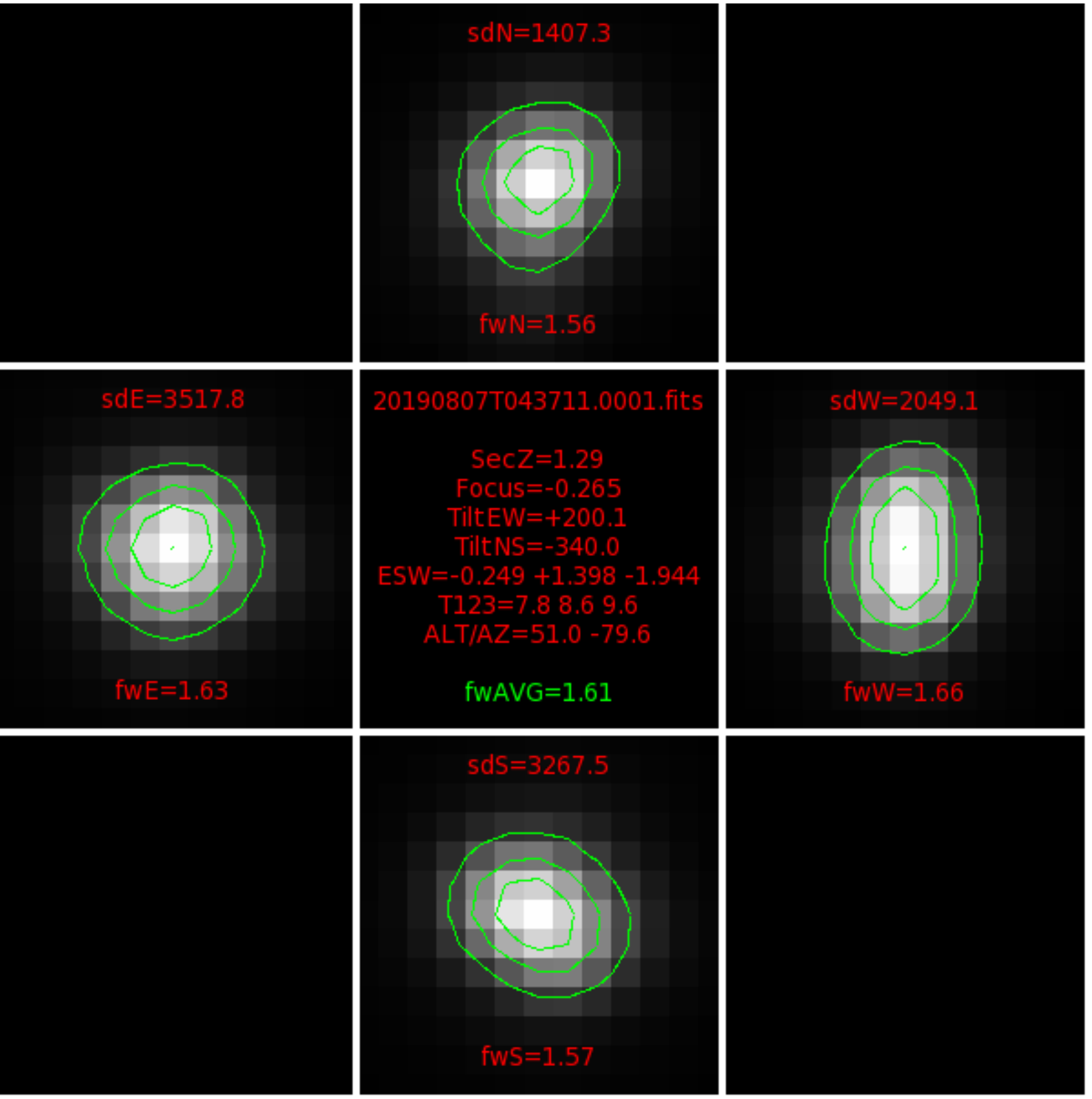
sdN=1407.3
fwN=1.56
sdE=3517.8
fwE=1.63
20190807T043711.0001.fits
SecZ=1.29
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.6 9.6
ALT/AZ=51.0 -79.6
fwAVG=1.61
sdW=2049.1
fwW=1.66
sdS=3267.5
fwS=1.57
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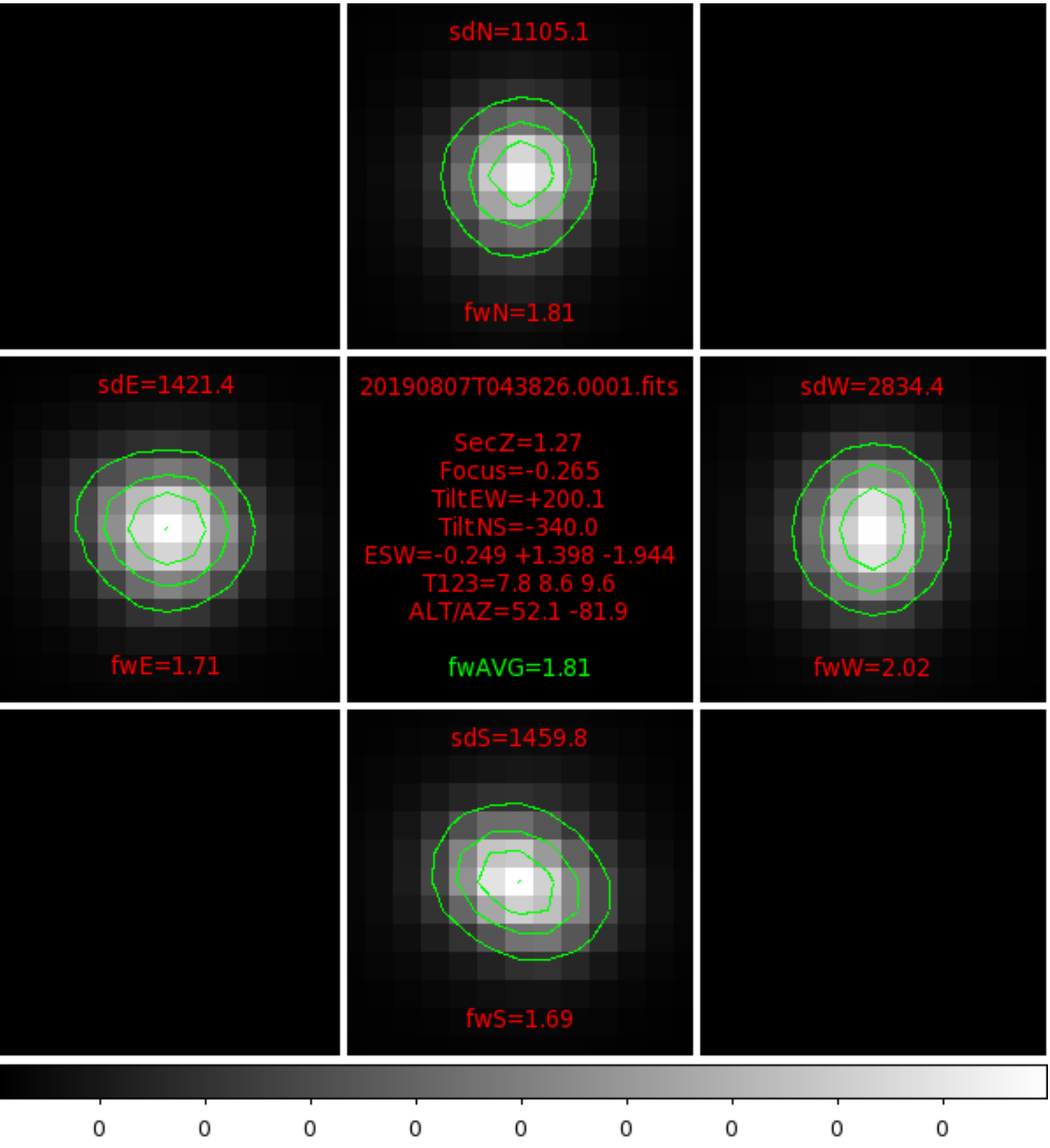
sdN=1105.1
fwN=1.81
sdE=1421.4
fwE=1.71
20190807T043826.0001.fits
SecZ=1.27
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.6 9.6
ALT/AZ=52.1 -81.9
fwAVG=1.81
sdW=2834.4
fwW=2.02
sdS=1459.8
fwS=1.69
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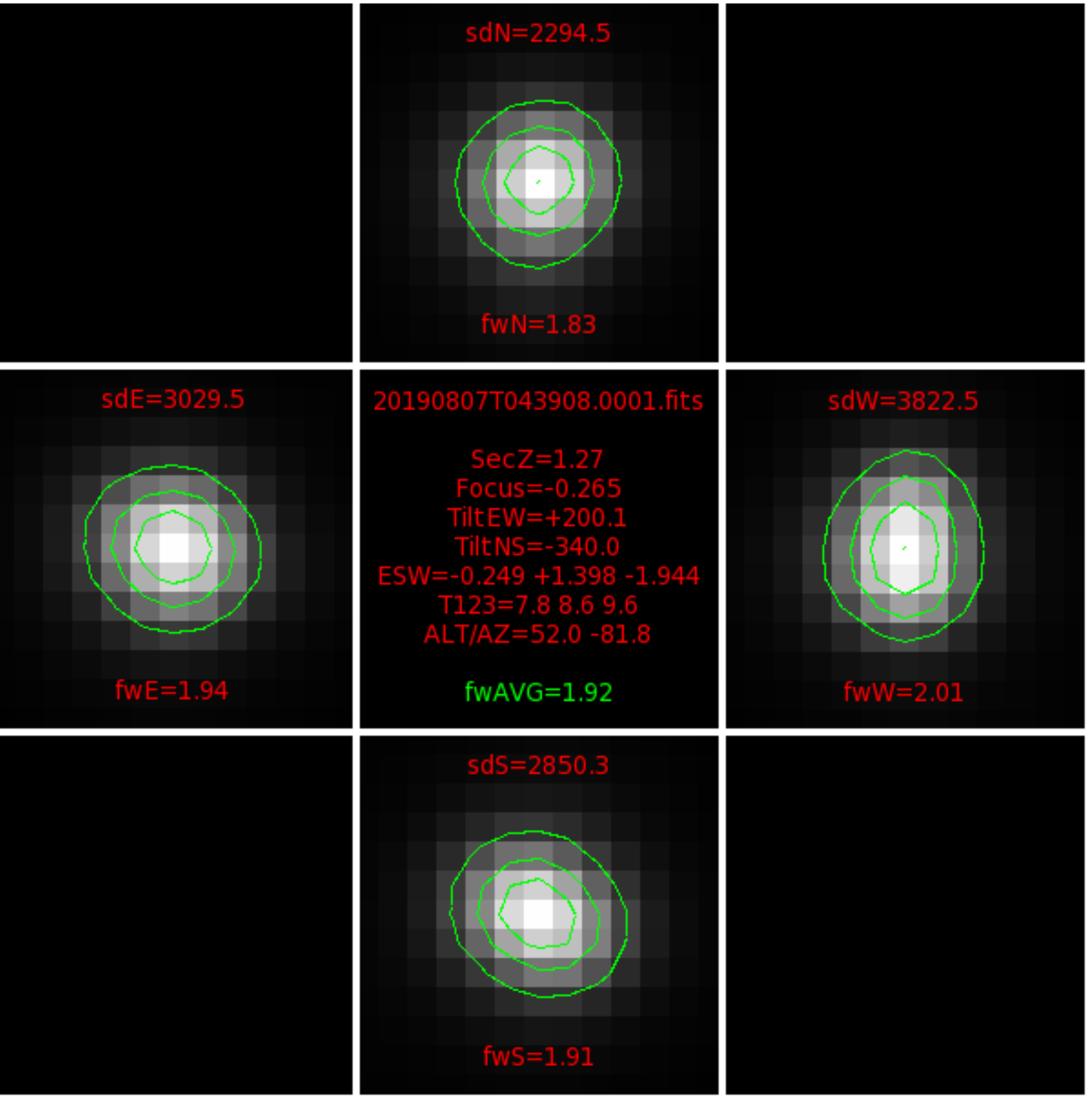
sdN=2294.5
fwN=1.83
sdE=3029.5
fwE=1.94
20190807T043908.0001.fits
SecZ=1.27
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.8 8.6 9.6
ALT/AZ=52.0 -81.8
fwAVG=1.92
sdW=3822.5
fwW=2.01
sdS=2850.3
fwS=1.91
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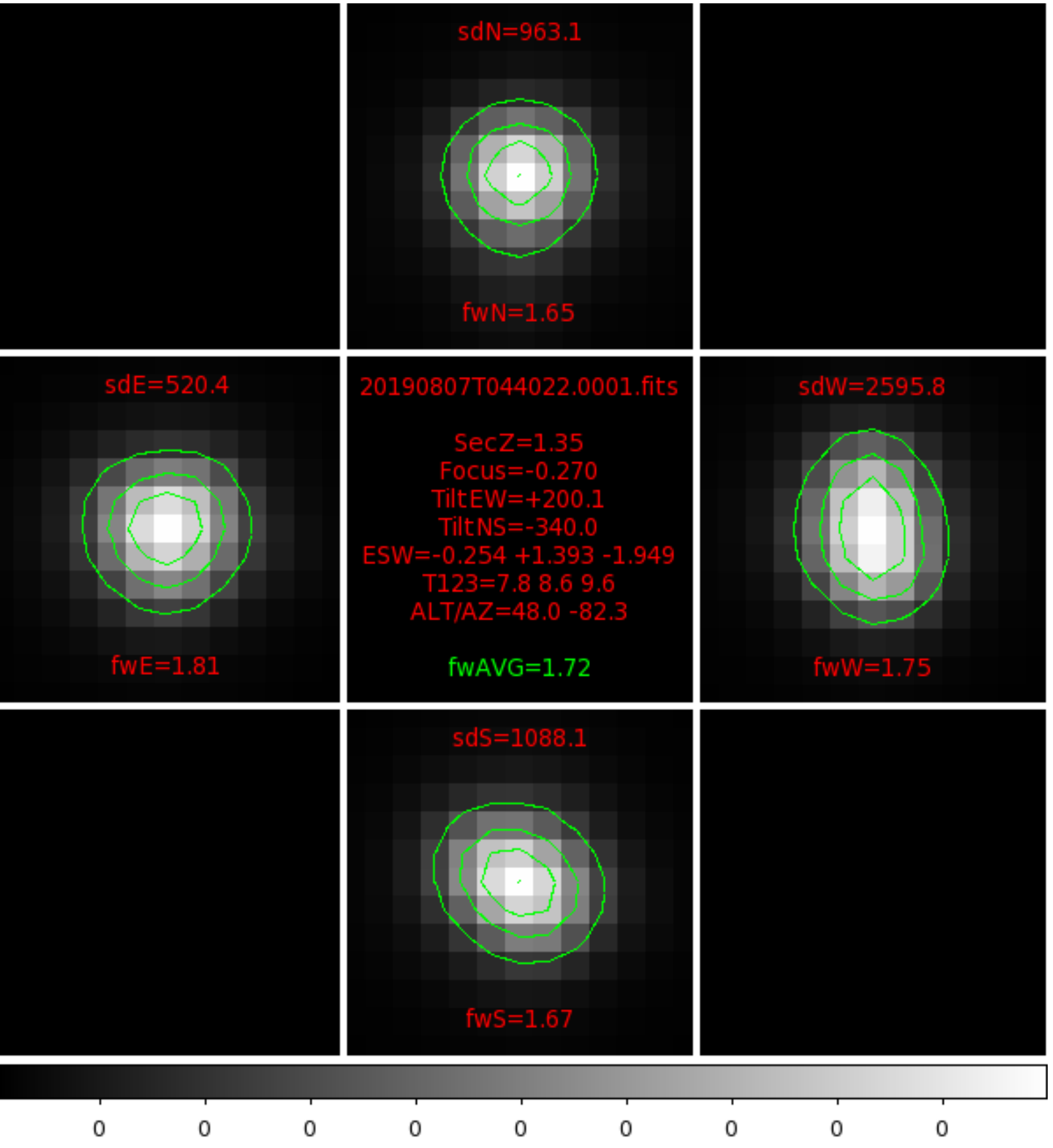
sdN=963.1
fwN=1.65
sdE=520.4
fwE=1.81
20190807T044022.0001.fits
SecZ=1.35
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 8.6 9.6
ALT/AZ=48.0 -82.3
fwAVG=1.72
sdW=2595.8
fwW=1.75
sdS=1088.1
fwS=1.67
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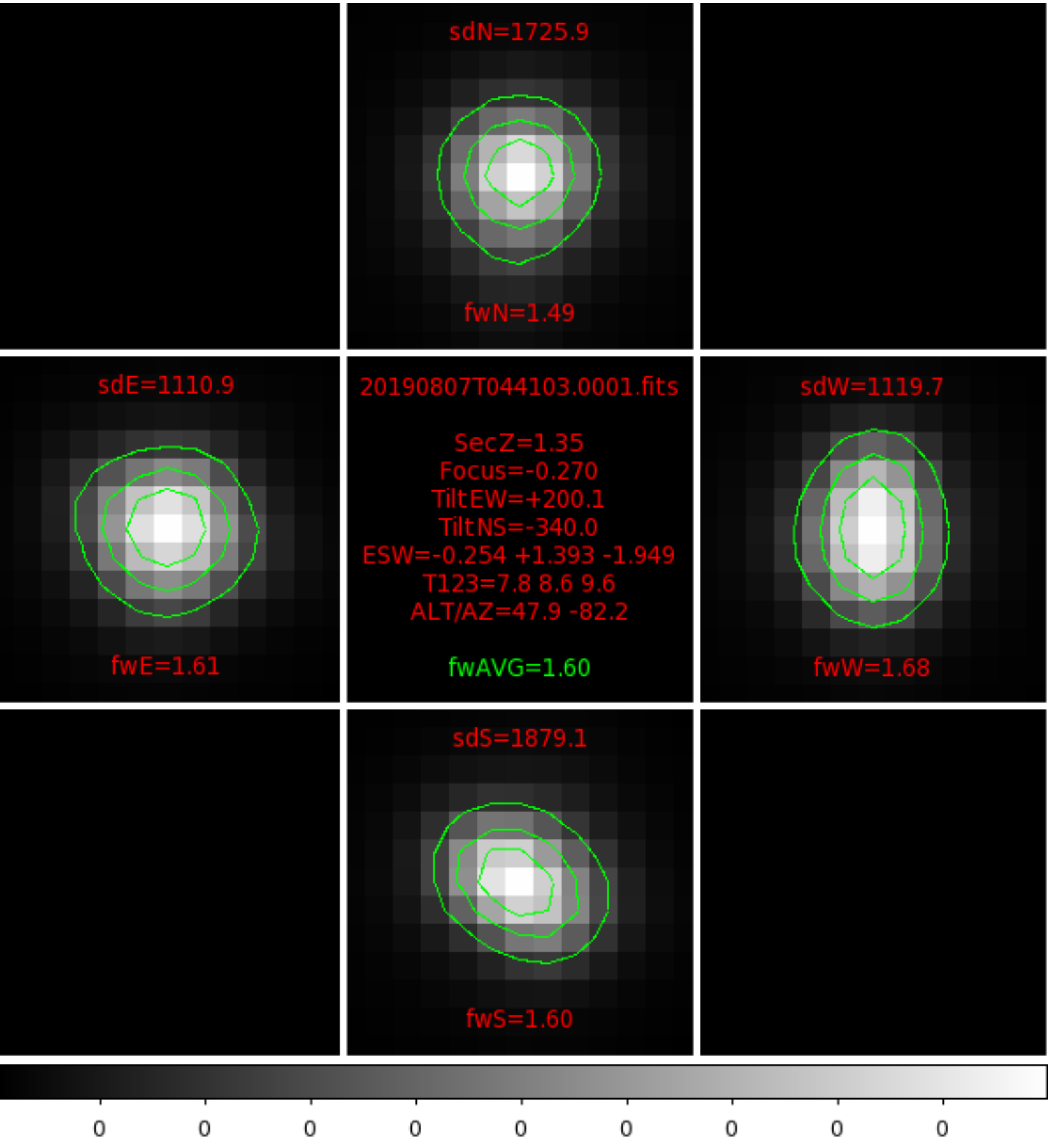
sdN=1725.9
fwN=1.49
sdE=1110.9
fwE=1.61
20190807T044103.0001.fits
SecZ=1.35
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 8.6 9.6
ALT/AZ=47.9 -82.2
fwAVG=1.60
sdW=1119.7
fwW=1.68
sdS=1879.1
fwS=1.60
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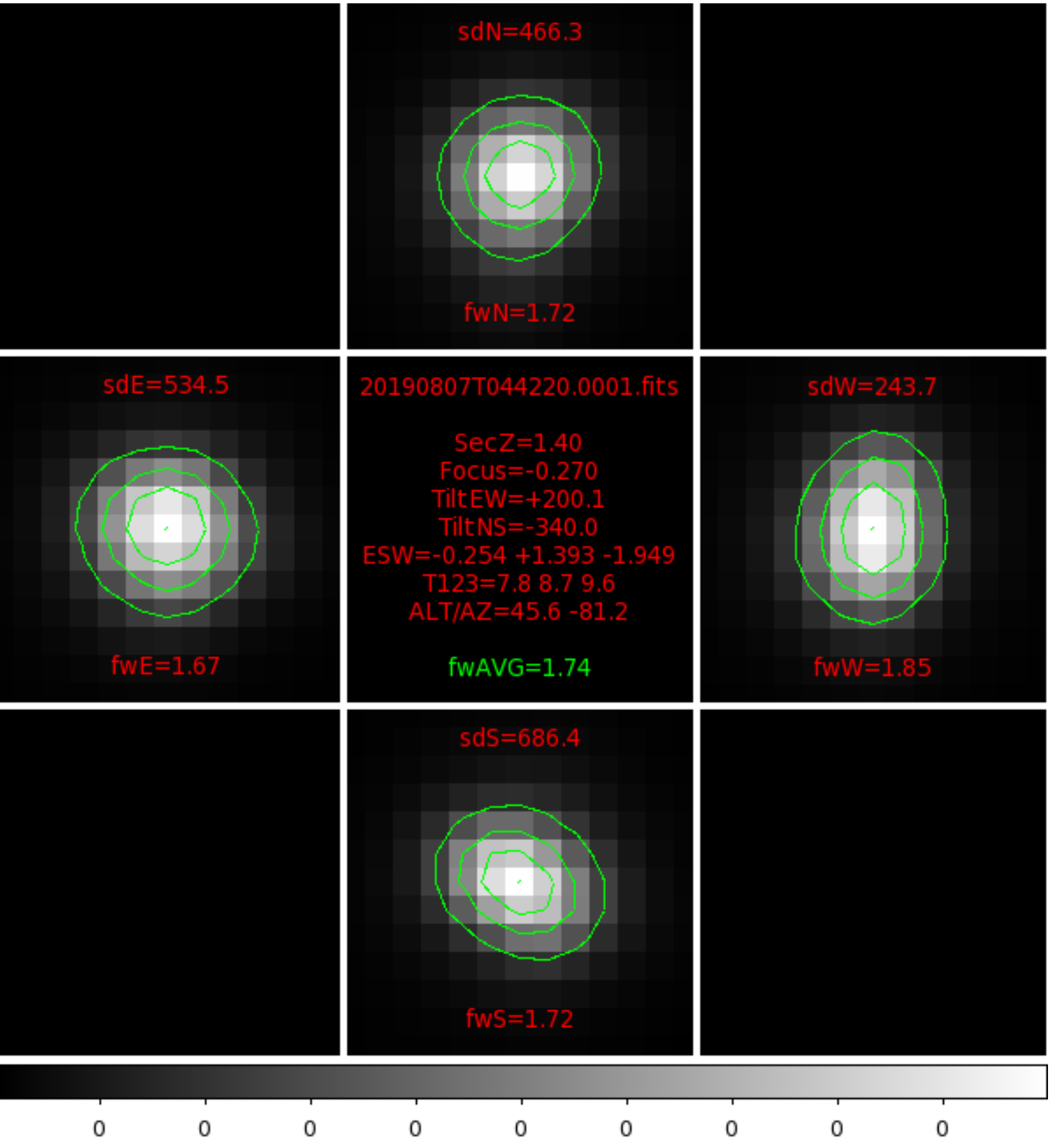
sdN=466.3
fwN=1.72
sdE=534.5
fwE=1.67
20190807T044220.0001.fits
SecZ=1.40
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 8.7 9.6
ALT/AZ=45.6 -81.2
fwAVG=1.74
sdW=243.7
fwW=1.85
sdS=686.4
fwS=1.72
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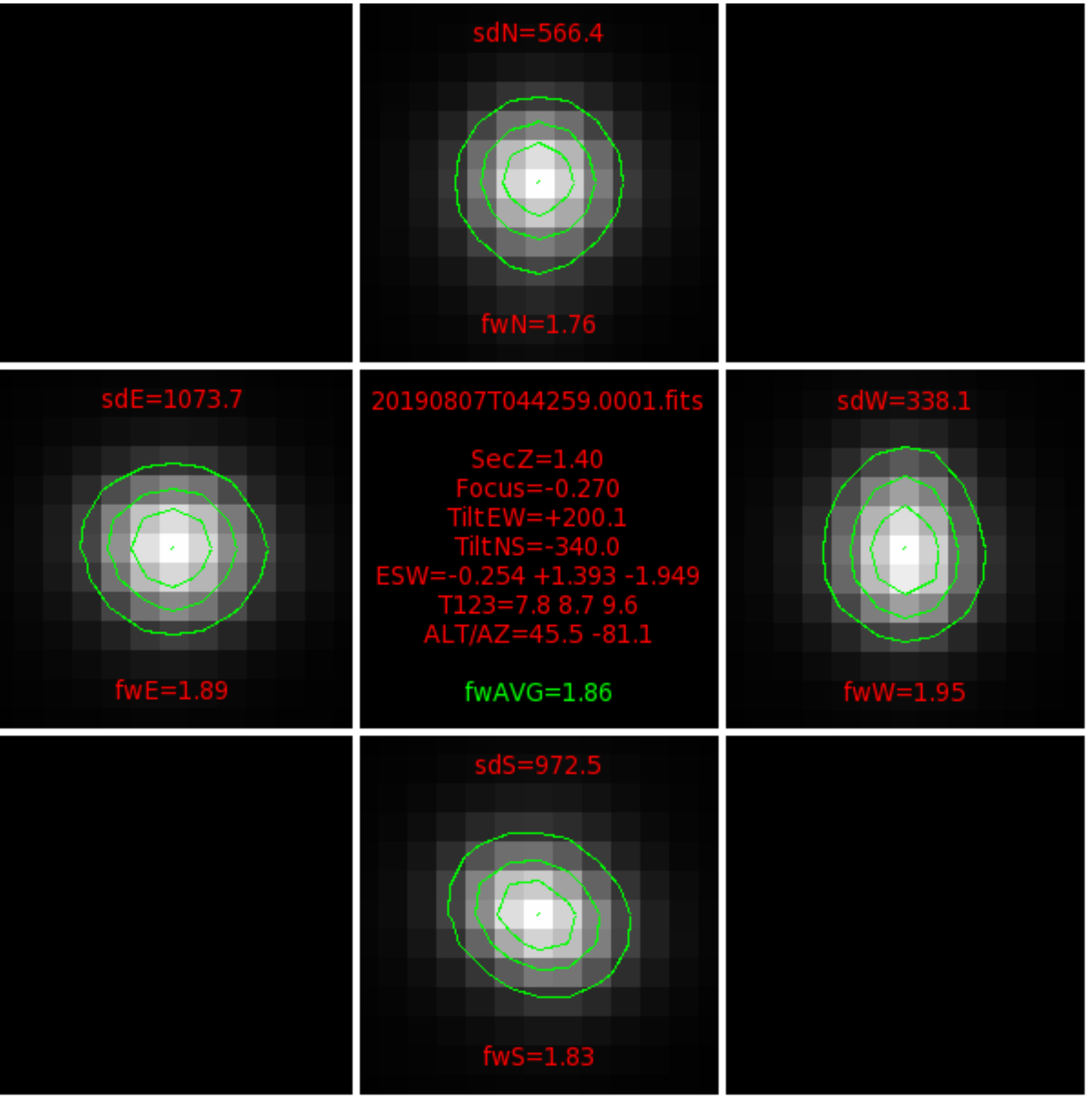
sdN=566.4
fwN=1.76
sdE=1073.7
fwE=1.89
20190807T044259.0001.fits
SecZ=1.40
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 8.7 9.6
ALT/AZ=45.5 -81.1
fwAVG=1.86
sdW=338.1
fwW=1.95
sdS=972.5
fwS=1.83
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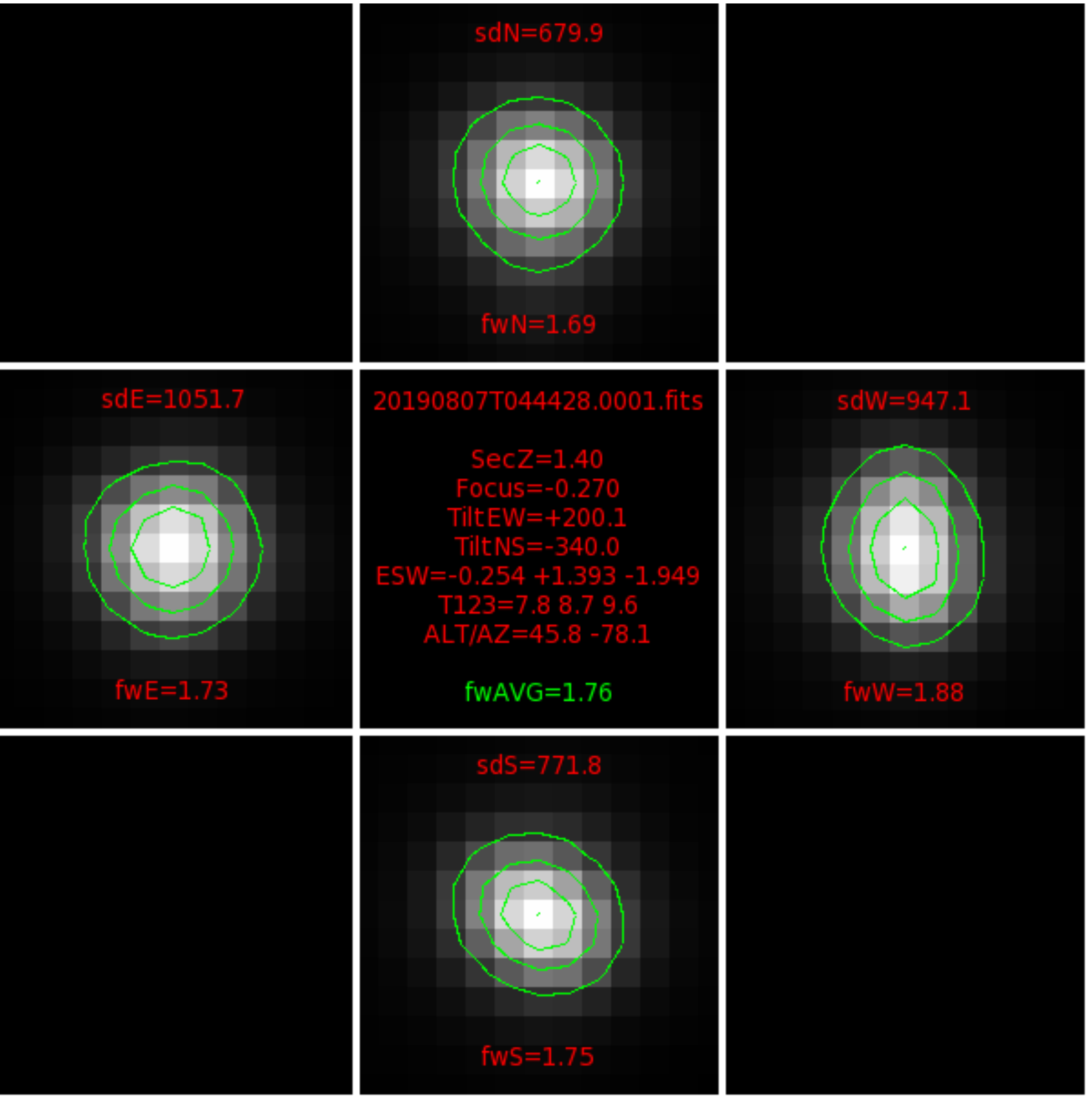
sdN=679.9
fwN=1.69
sdE=1051.7
fwE=1.73
20190807T044428.0001.fits
SecZ=1.40
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 8.7 9.6
ALT/AZ=45.8 -78.1
fwAVG=1.76
sdW=947.1
fwW=1.88
sdS=771.8
fwS=1.75
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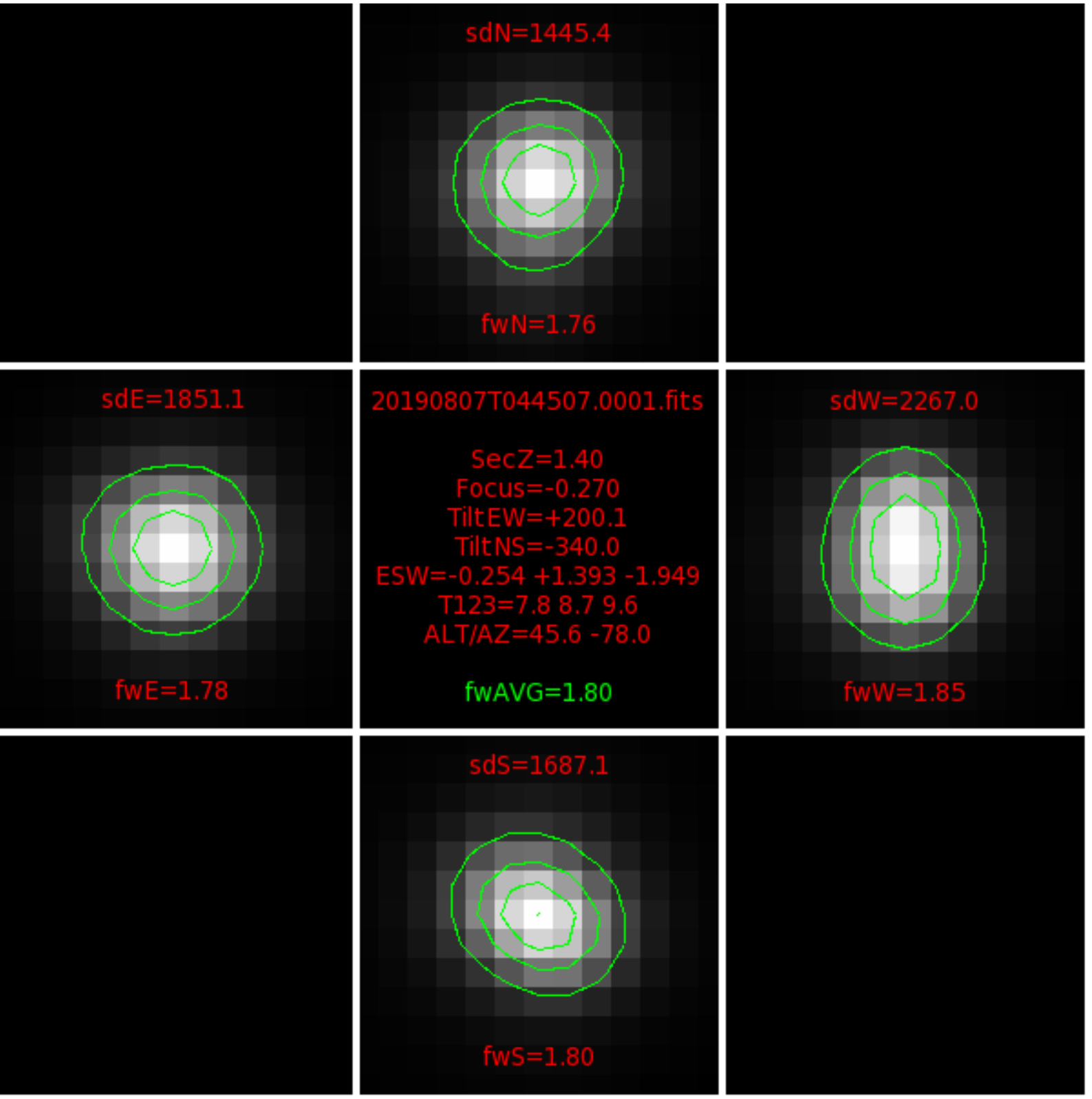
sdN=1445.4
fwN=1.76
sdE=1851.1
fwE=1.78
20190807T044507.0001.fits
SecZ=1.40
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 8.7 9.6
ALT/AZ=45.6 -78.0
fwAVG=1.80
sdW=2267.0
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sdS=1687.1
fwS=1.80
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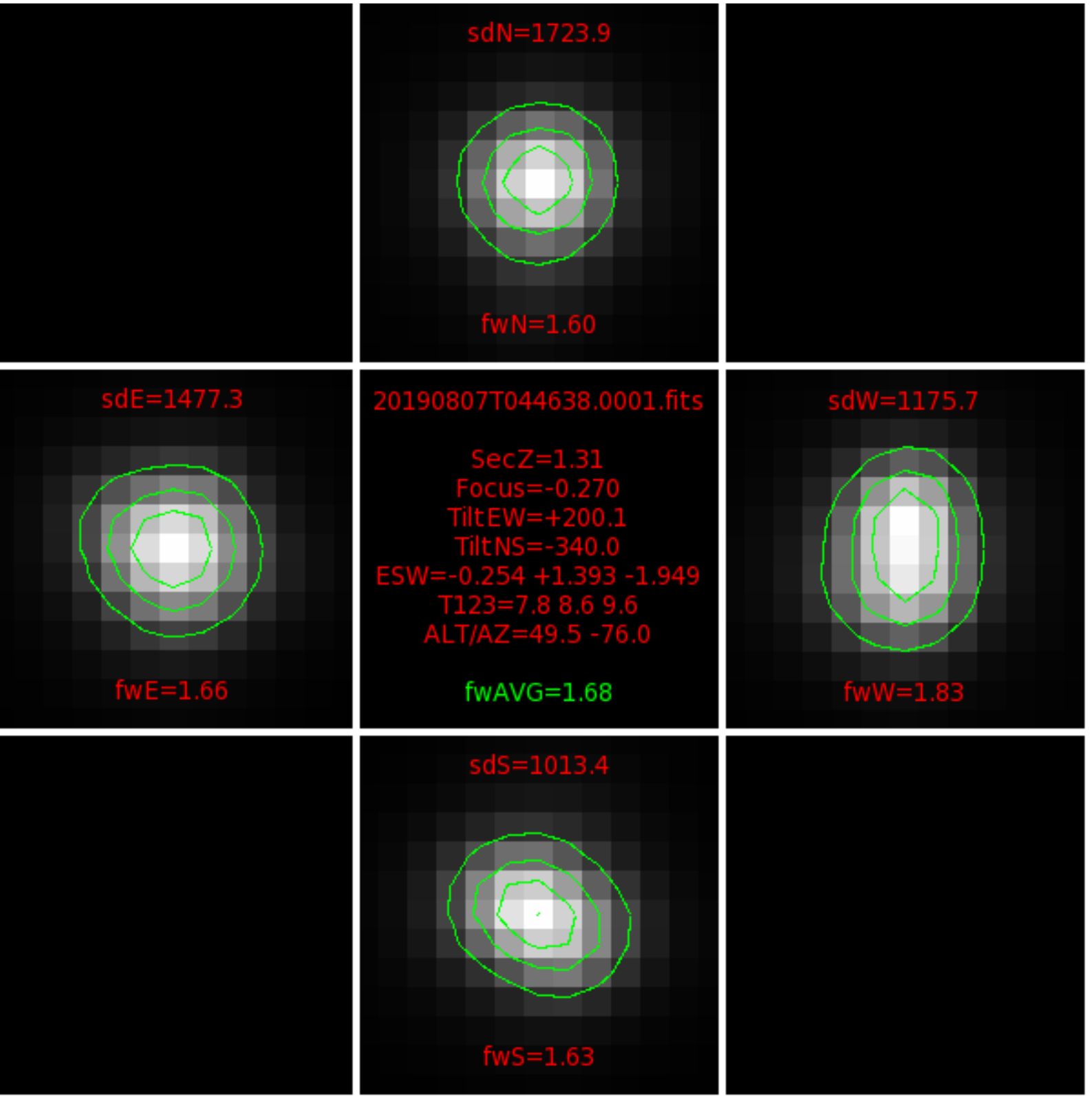
sdN=1723.9
fwN=1.60
sdE=1477.3
fwE=1.66
20190807T044638.0001.fits
SecZ=1.31
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 8.6 9.6
ALT/AZ=49.5 -76.0
fwAVG=1.68
sdW=1175.7
fwW=1.83
sdS=1013.4
fwS=1.63
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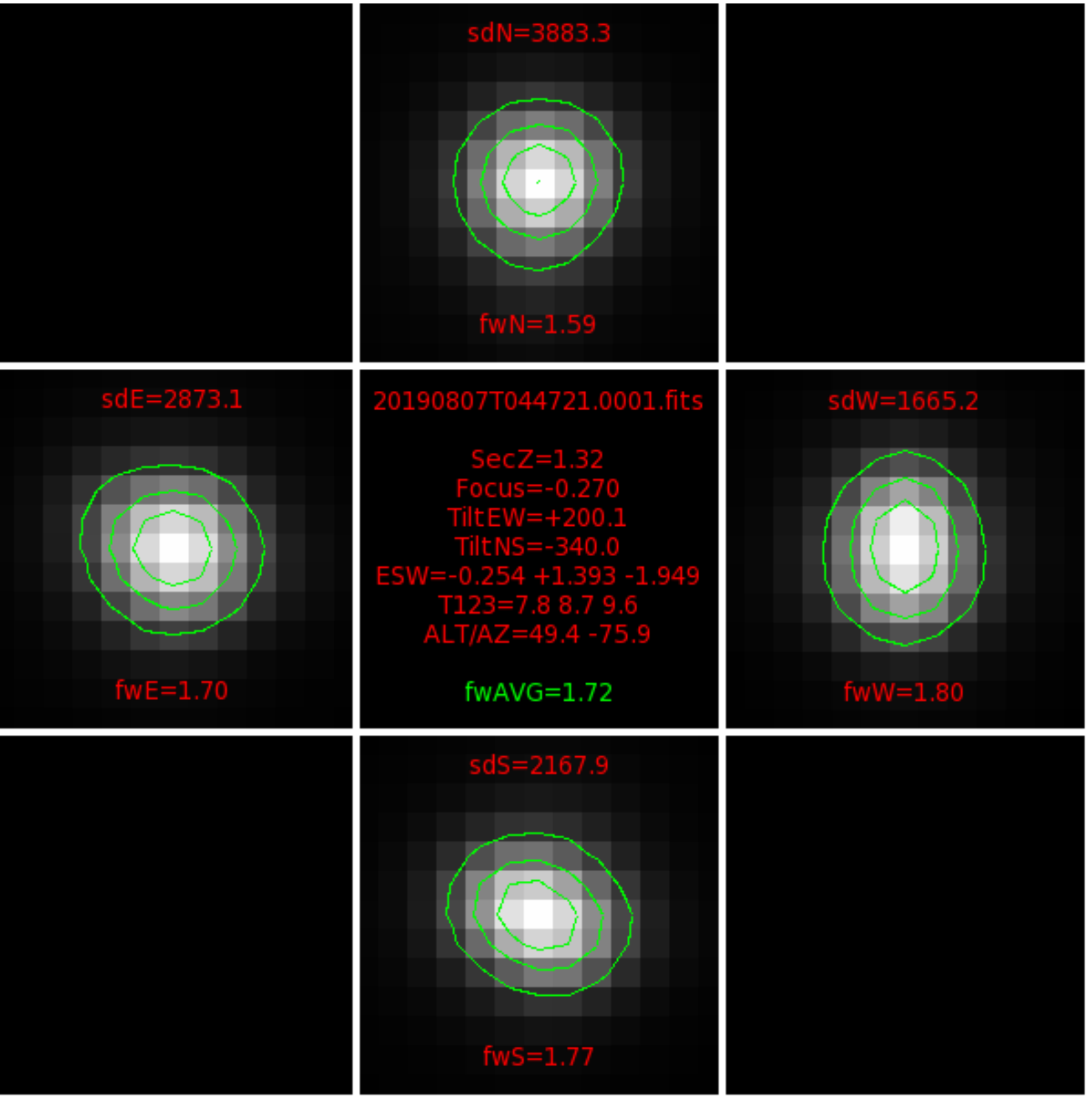
sdN=3883.3
fwN=1.59
sdE=2873.1
fwE=1.70
20190807T044721.0001.fits
SecZ=1.32
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 8.7 9.6
ALT/AZ=49.4 -75.9
fwAVG=1.72
sdW=1665.2
fwW=1.80
sdS=2167.9
fwS=1.77
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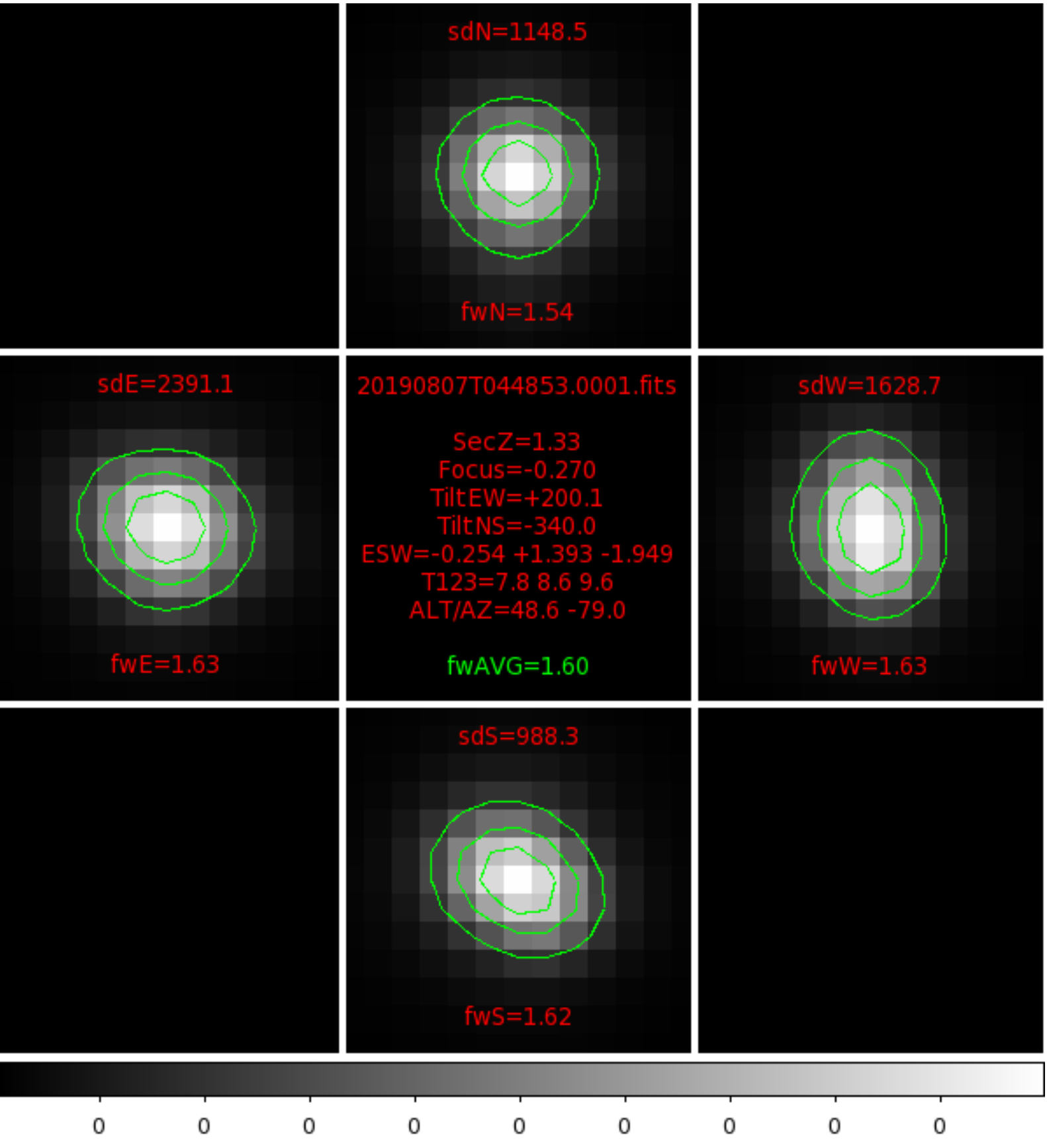
sdN=1148.5
fwN=1.54
sdE=2391.1
fwE=1.63
20190807T044853.0001.fits
SecZ=1.33
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 8.6 9.6
ALT/AZ=48.6 -79.0
fwAVG=1.60
sdW=1628.7
fwW=1.63
sdS=988.3
fwS=1.62
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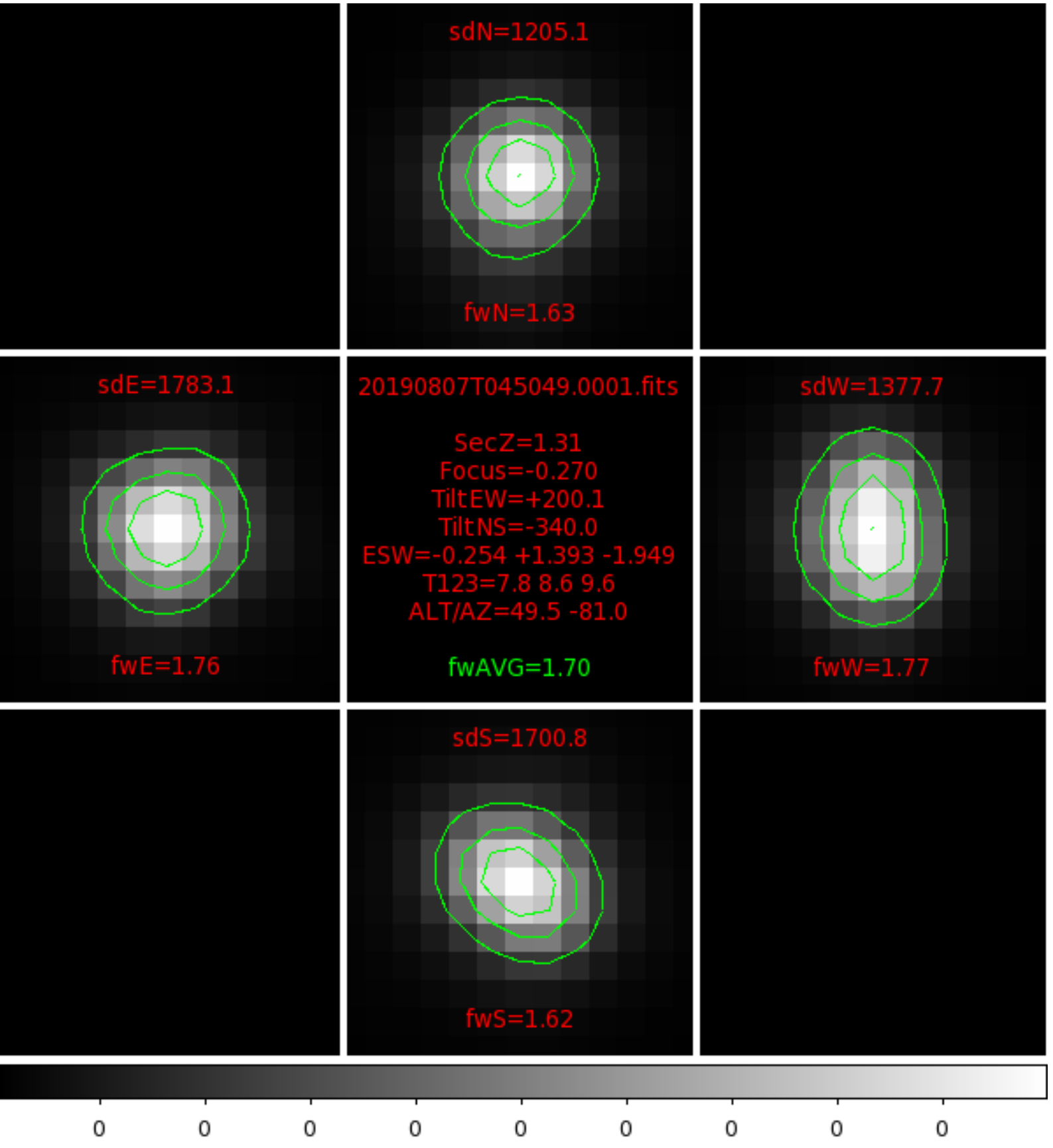
sdN=1205.1
fwN=1.63
sdE=1783.1
fwE=1.76
20190807T045049.0001.fits
SecZ=1.31
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 8.6 9.6
ALT/AZ=49.5 -81.0
fwAVG=1.70
sdW=1377.7
fwW=1.77
sdS=1700.8
fwS=1.62
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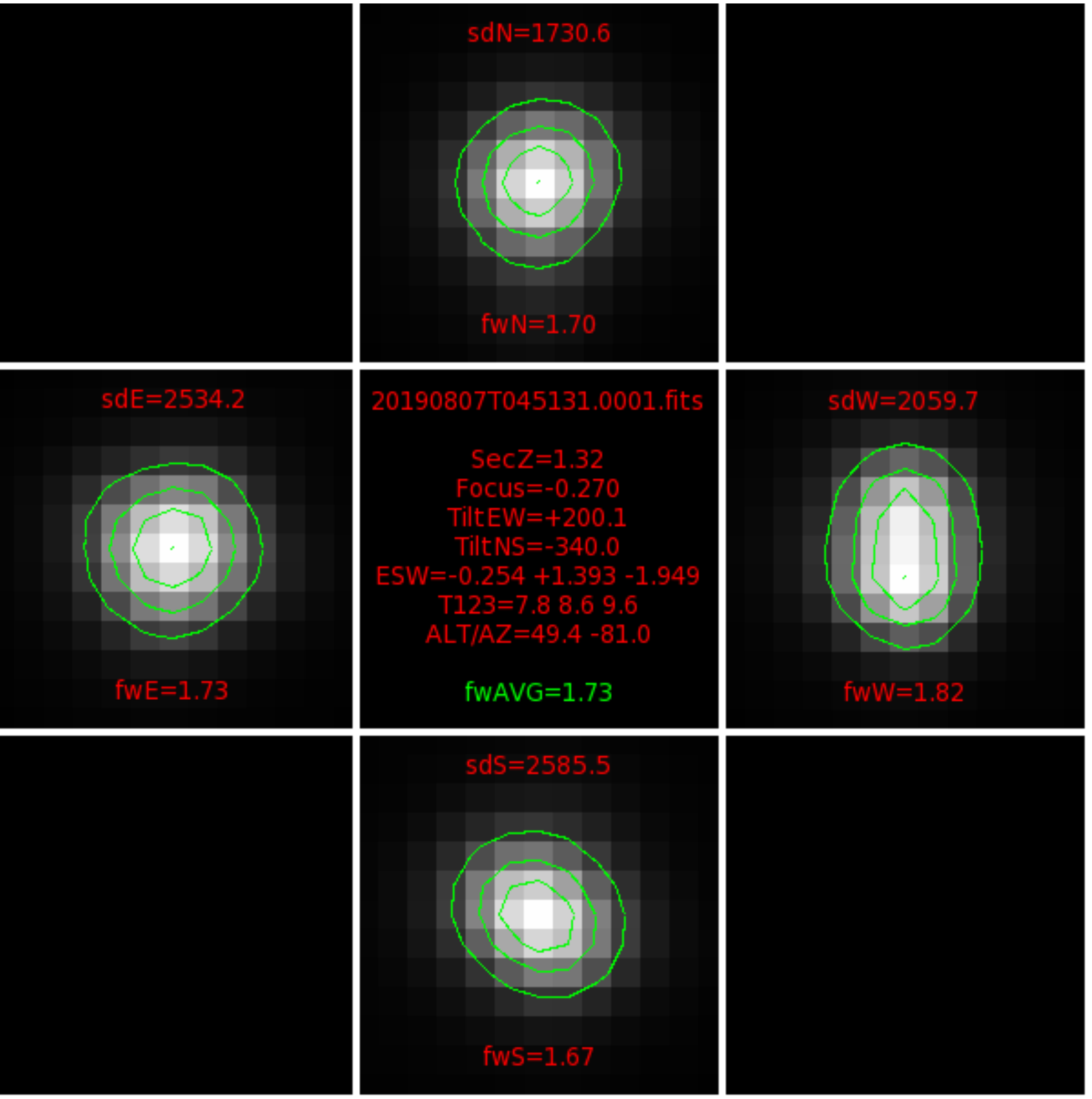
sdN=1730.6
fwN=1.70
sdE=2534.2
fwE=1.73
20190807T045131.0001.fits
SecZ=1.32
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 8.6 9.6
ALT/AZ=49.4 -81.0
fwAVG=1.73
sdW=2059.7
fwW=1.82
sdS=2585.5
fwS=1.67
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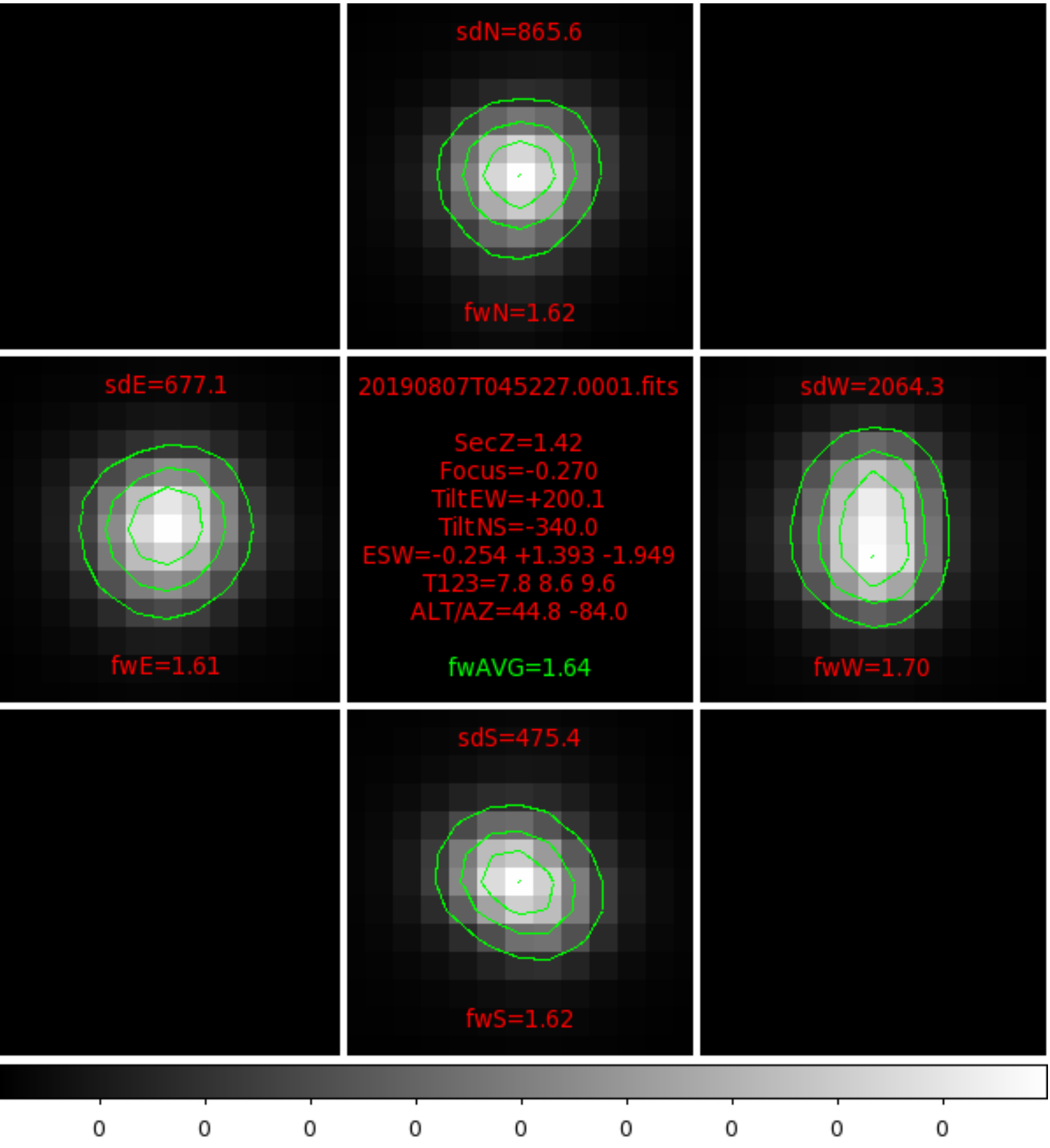
sdN=865.6
fwN=1.62
sdE=677.1
fwE=1.61
20190807T045227.0001.fits
SecZ=1.42
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 8.6 9.6
ALT/AZ=44.8 -84.0
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sdW=2064.3
fwW=1.70
sdS=475.4
fwS=1.62
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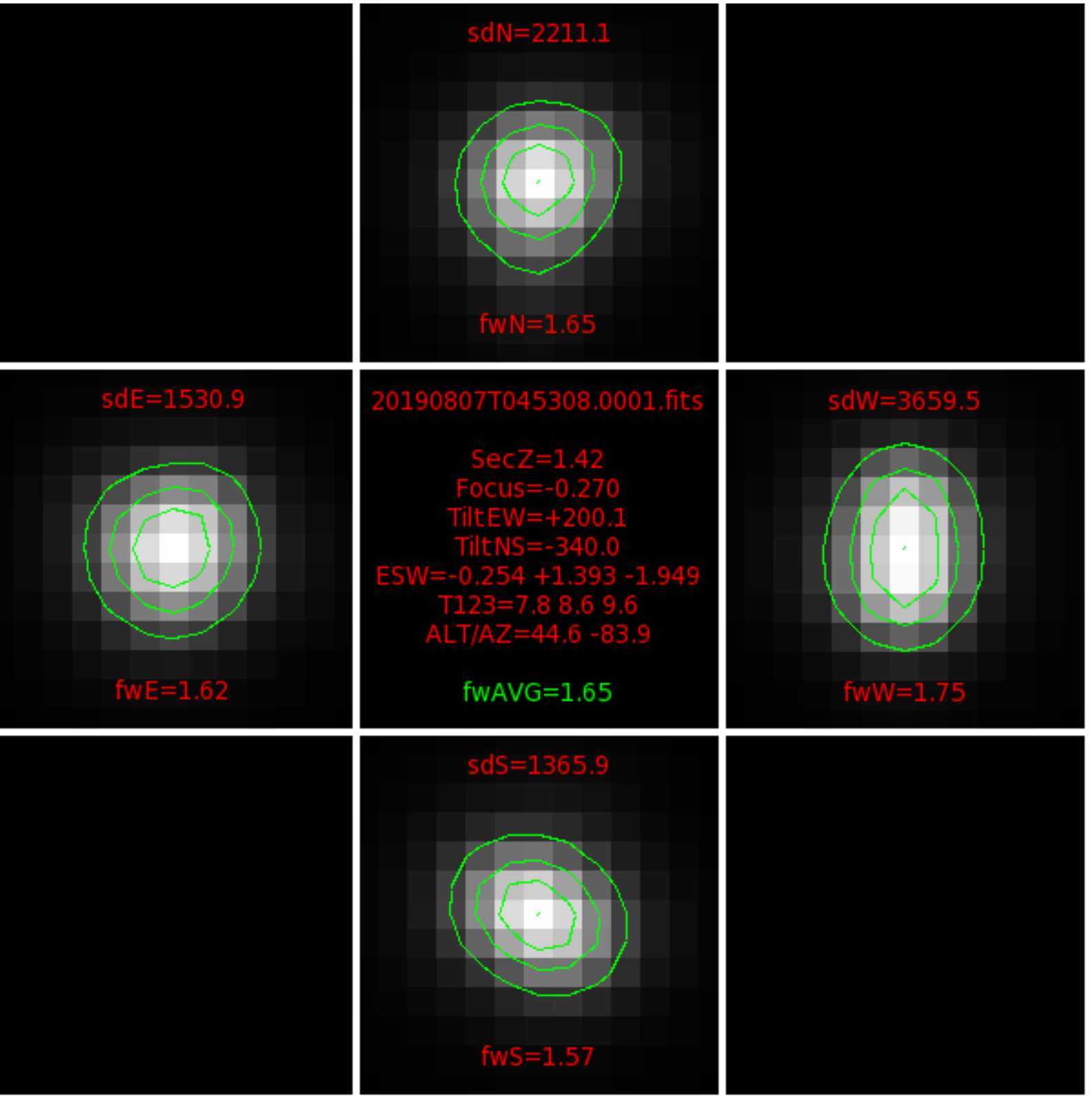
sdN=2211.1
fwN=1.65
sdE=1530.9
fwE=1.62
20190807T045308.0001.fits
SecZ=1.42
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 8.6 9.6
ALT/AZ=44.6 -83.9
fwAVG=1.65
sdW=3659.5
fwW=1.75
sdS=1365.9
fwS=1.57
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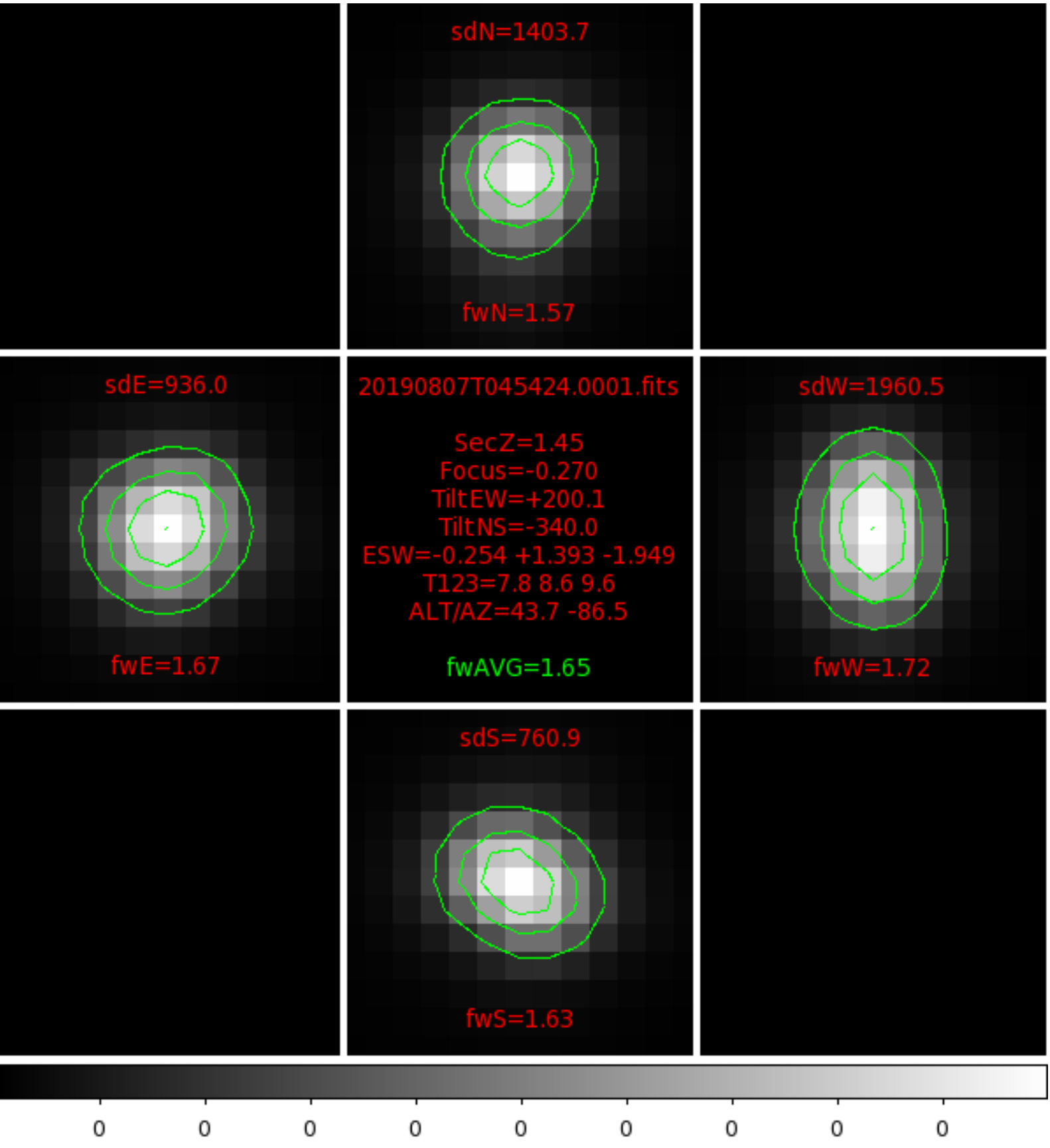
sdN=1403.7
fwN=1.57
sdE=936.0
fwE=1.67
20190807T045424.0001.fits
SecZ=1.45
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 8.6 9.6
ALT/AZ=43.7 -86.5
fwAVG=1.65
sdW=1960.5
fwW=1.72
sdS=760.9
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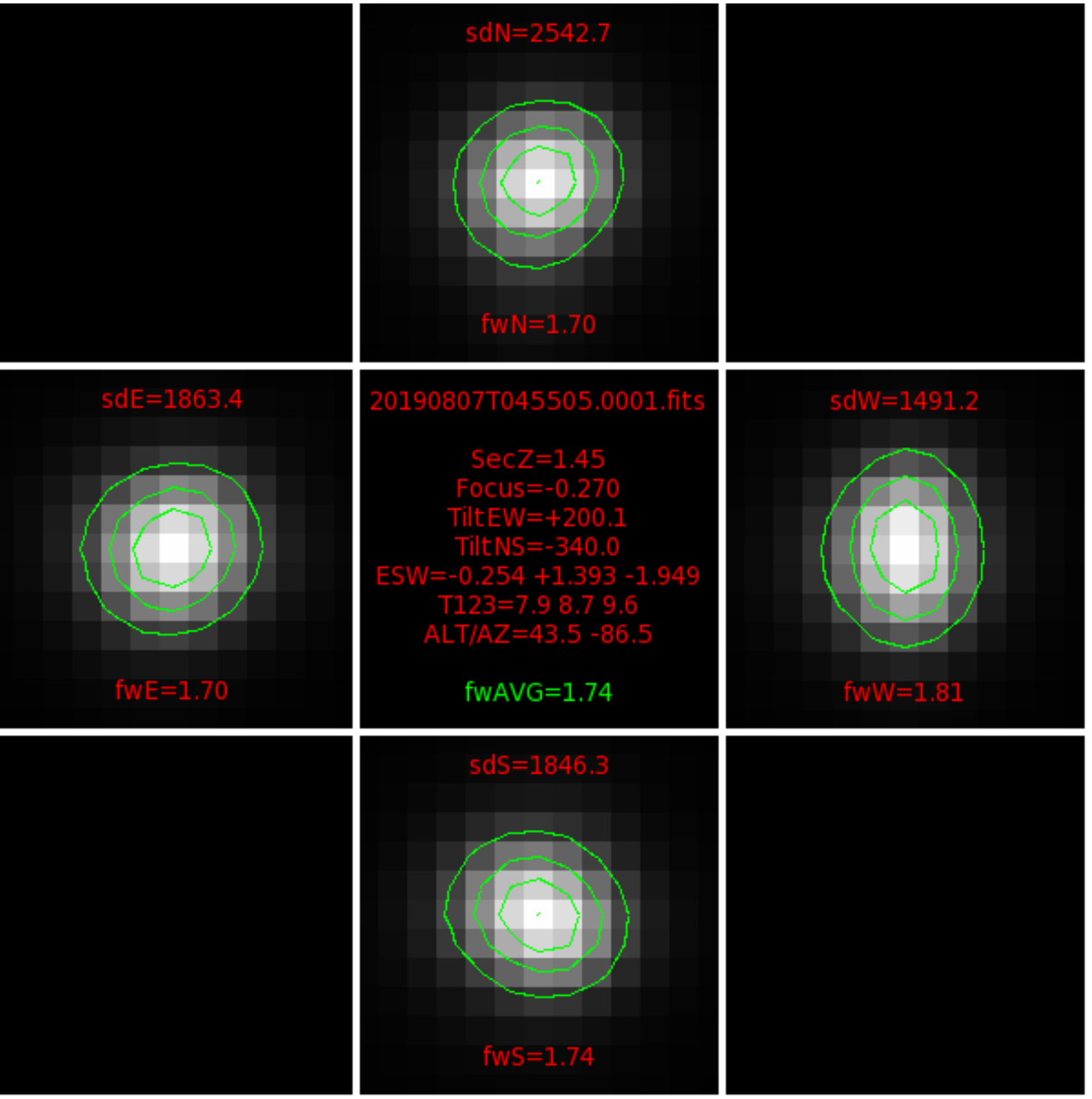
sdN=2542.7
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sdE=1863.4
fwE=1.70
20190807T045505.0001.fits
SecZ=1.45
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.9 8.7 9.6
ALT/AZ=43.5 -86.5
fwAVG=1.74
sdW=1491.2
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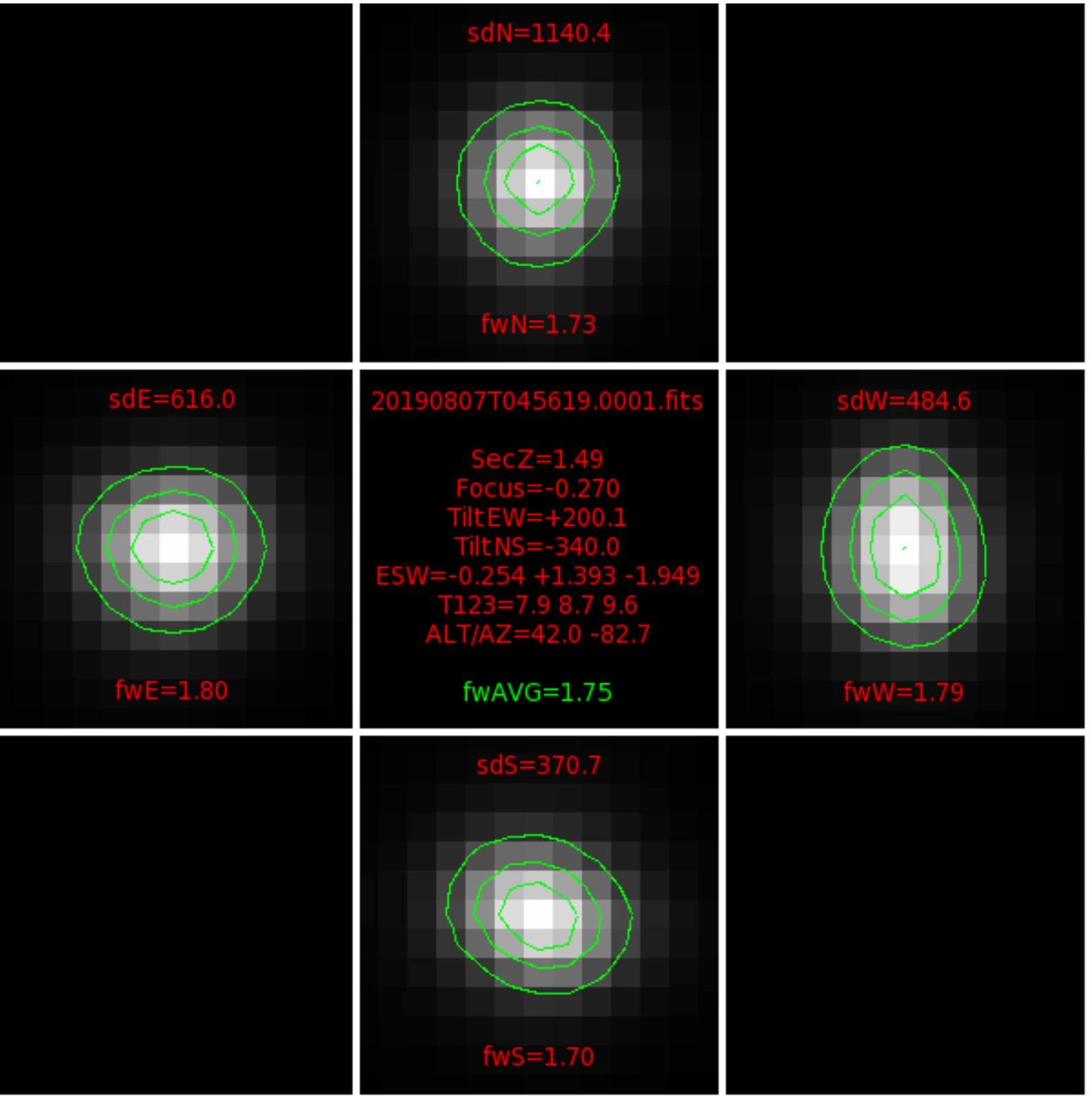
sdN=1140.4
fwN=1.73
sdE=616.0
fwE=1.80
20190807T045619.0001.fits
SecZ=1.49
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.9 8.7 9.6
ALT/AZ=42.0 -82.7
fwAVG=1.75
sdW=484.6
fwW=1.79
sdS=370.7
fwS=1.70
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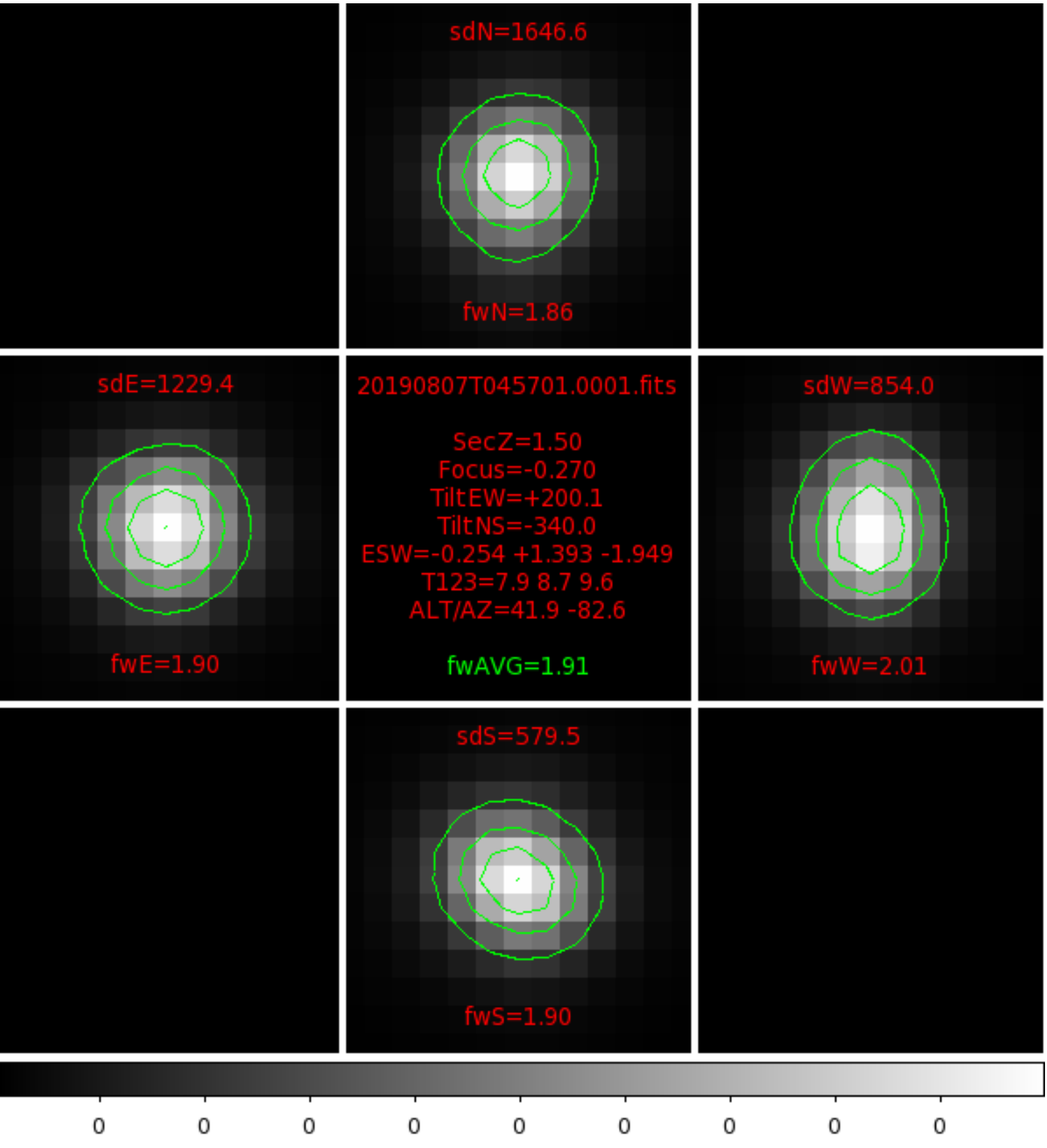
sdN=1646.6
fwN=1.86
sdE=1229.4
fwE=1.90
20190807T045701.0001.fits
SecZ=1.50
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.9 8.7 9.6
ALT/AZ=41.9 -82.6
fwAVG=1.91
sdW=854.0
fwW=2.01
sdS=579.5
fwS=1.90
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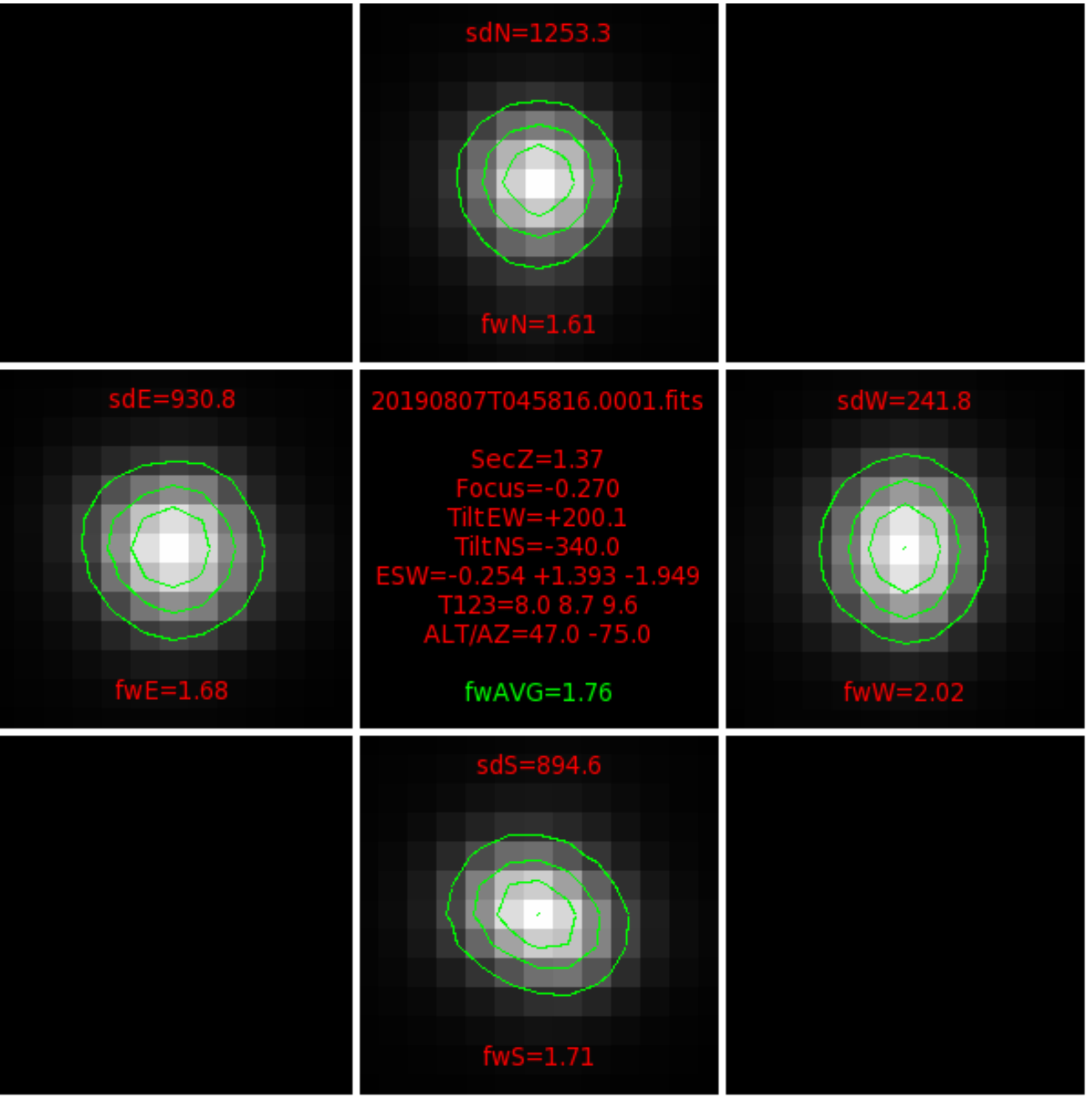
sdN=1253.3
fwN=1.61
sdE=930.8
fwE=1.68
20190807T045816.0001.fits
SecZ=1.37
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.7 9.6
ALT/AZ=47.0 -75.0
fwAVG=1.76
sdW=241.8
fwW=2.02
sdS=894.6
fwS=1.71
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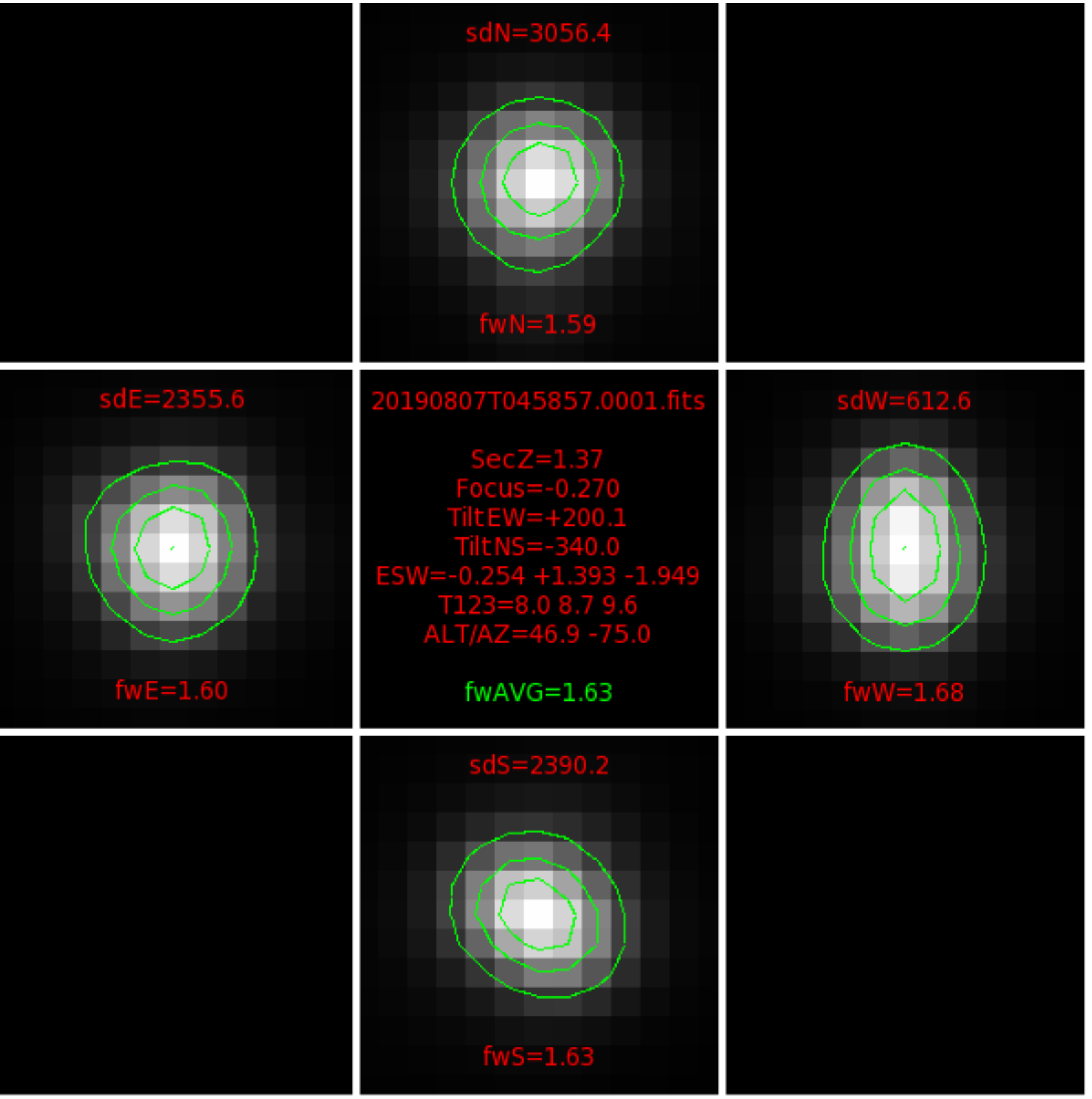
sdN=3056.4
fwN=1.59
sdE=2355.6
fwE=1.60
20190807T045857.0001.fits
SecZ=1.37
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.7 9.6
ALT/AZ=46.9 -75.0
fwAVG=1.63
sdW=612.6
fwW=1.68
sdS=2390.2
fwS=1.63
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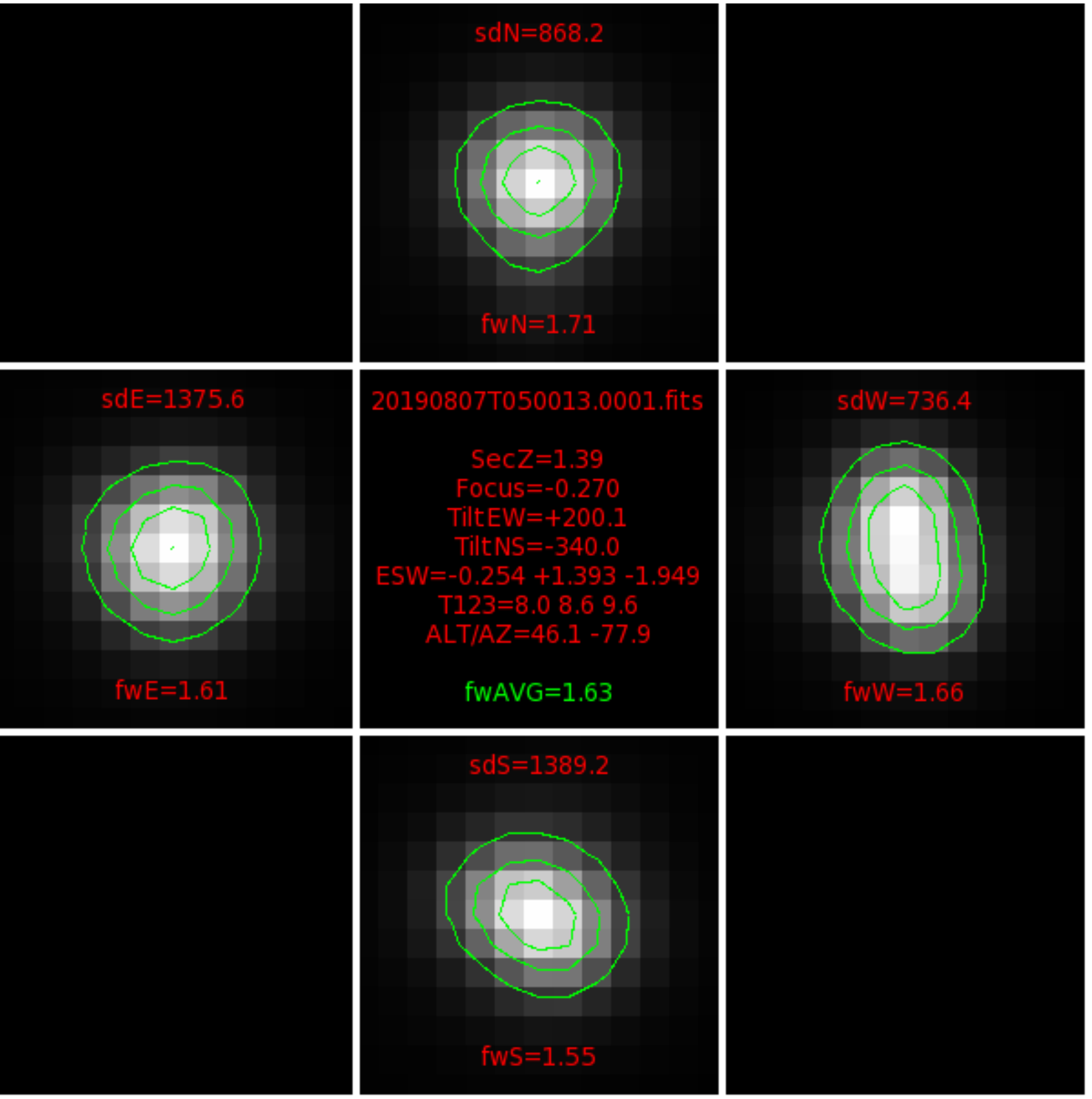
sdN=868.2
fwN=1.71
sdE=1375.6
fwE=1.61
20190807T050013.0001.fits
SecZ=1.39
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=46.1 -77.9
fwAVG=1.63
sdW=736.4
fwW=1.66
sdS=1389.2
fwS=1.55
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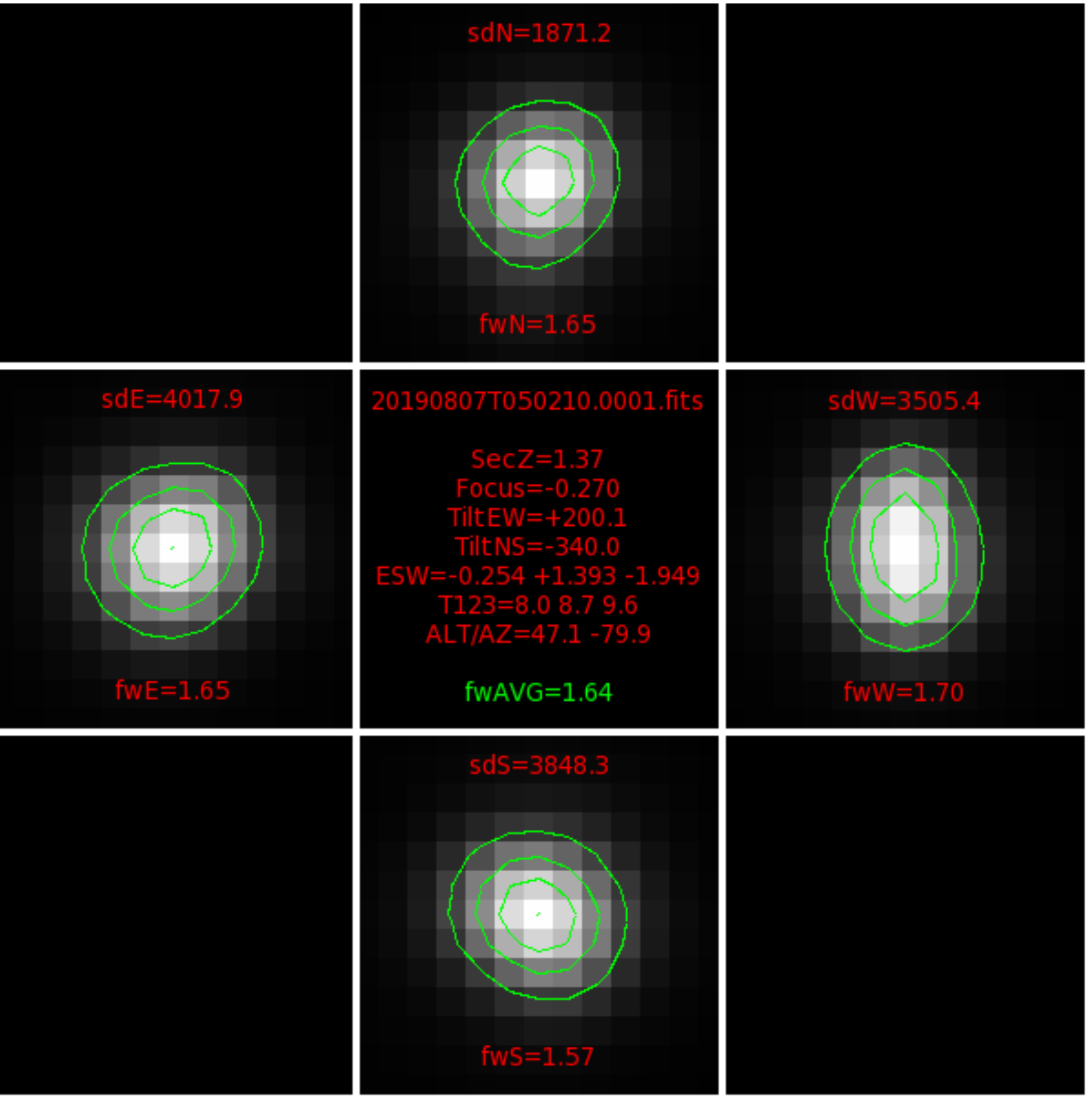
sdN=1871.2
fwN=1.65
sdE=4017.9
fwE=1.65
20190807T050210.0001.fits
SecZ=1.37
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.7 9.6
ALT/AZ=47.1 -79.9
fwAVG=1.64
sdW=3505.4
fwW=1.70
sdS=3848.3
fwS=1.57
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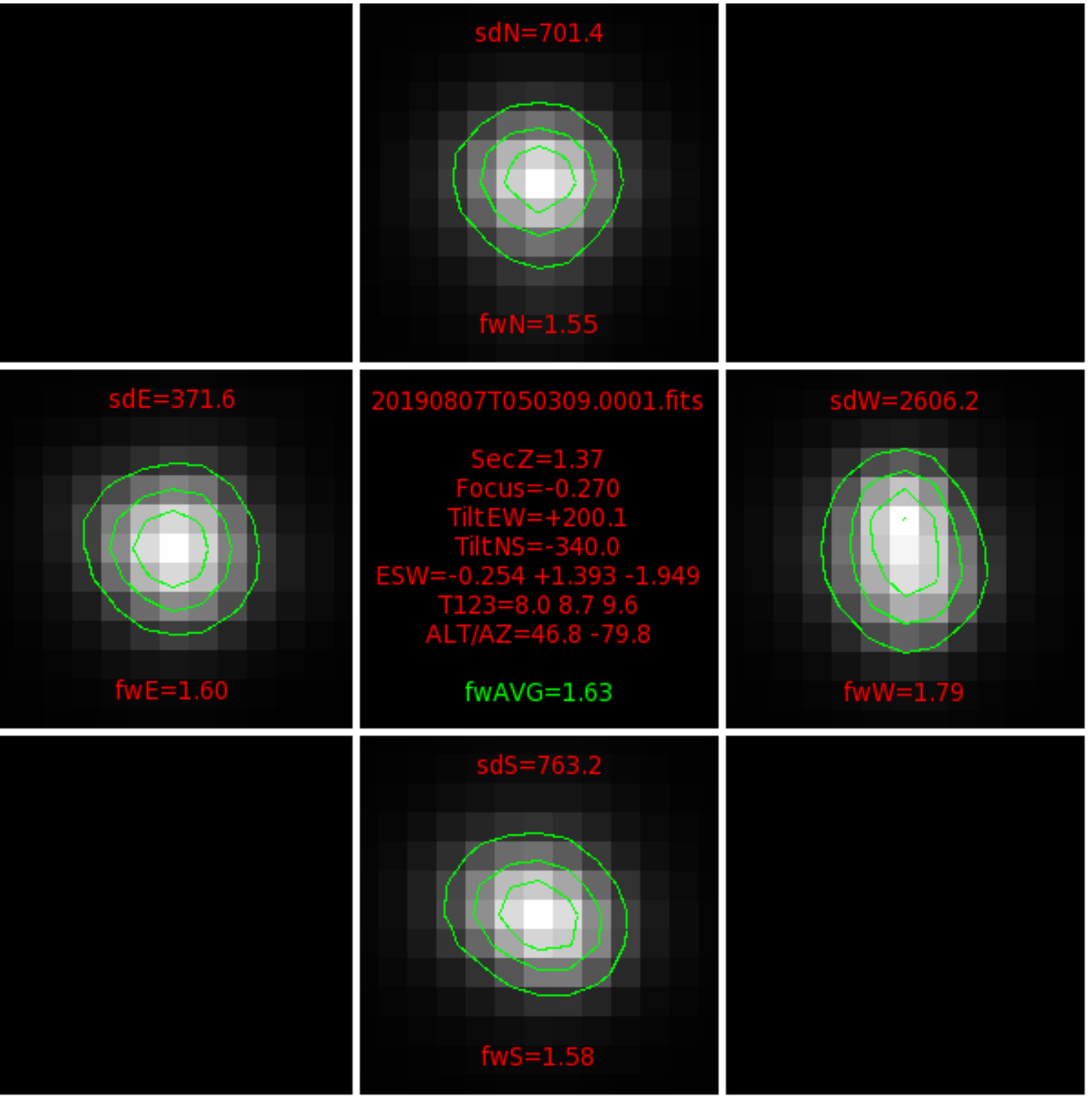
sdN=701.4
fwN=1.55
sdE=371.6
fwE=1.60
20190807T050309.0001.fits
SecZ=1.37
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.7 9.6
ALT/AZ=46.8 -79.8
fwAVG=1.63
sdW=2606.2
fwW=1.79
sdS=763.2
fwS=1.58
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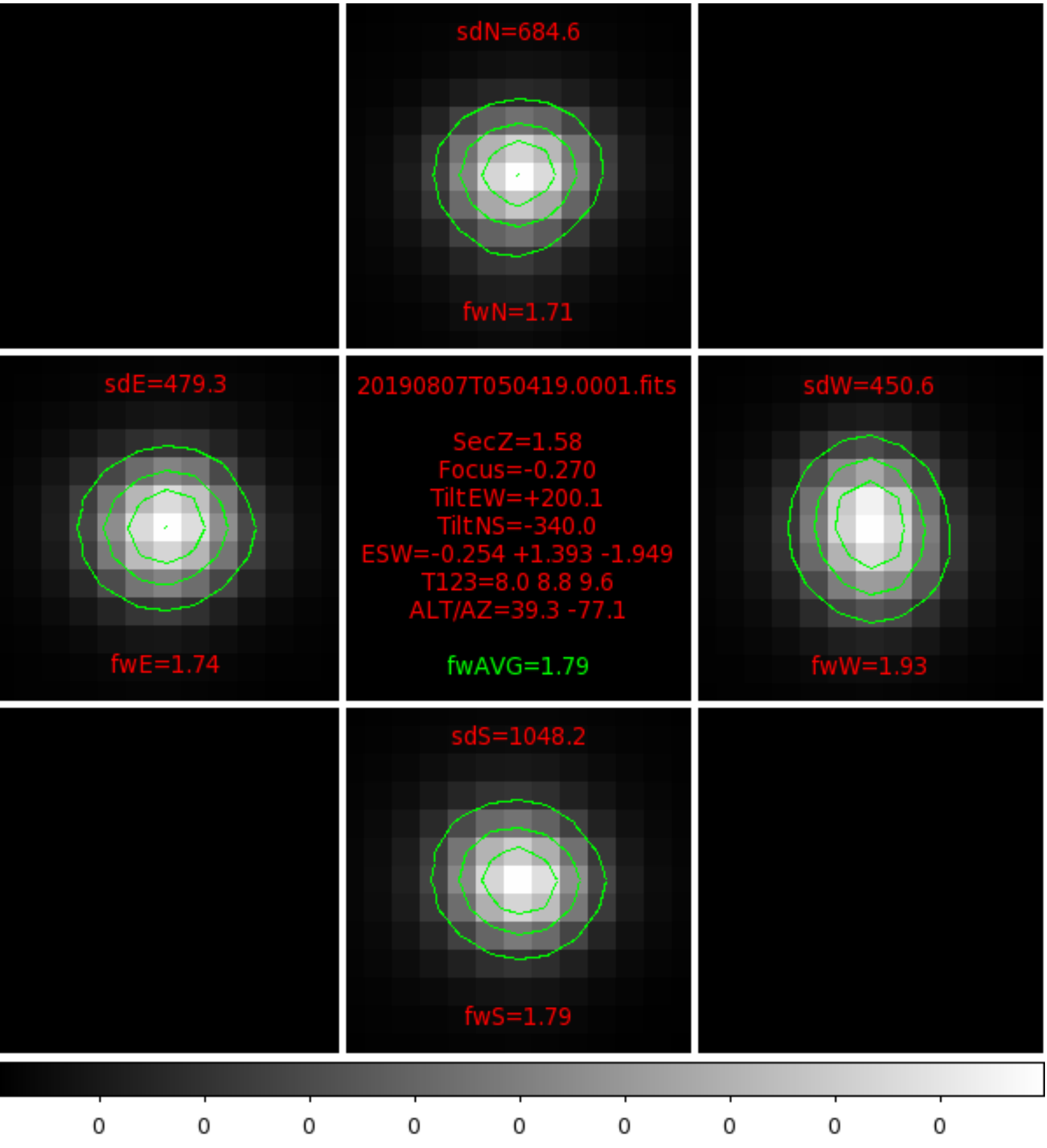
sdN=684.6
fwN=1.71
sdE=479.3
fwE=1.74
20190807T050419.0001.fits
SecZ=1.58
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.8 9.6
ALT/AZ=39.3 -77.1
fwAVG=1.79
sdW=450.6
fwW=1.93
sdS=1048.2
fwS=1.79
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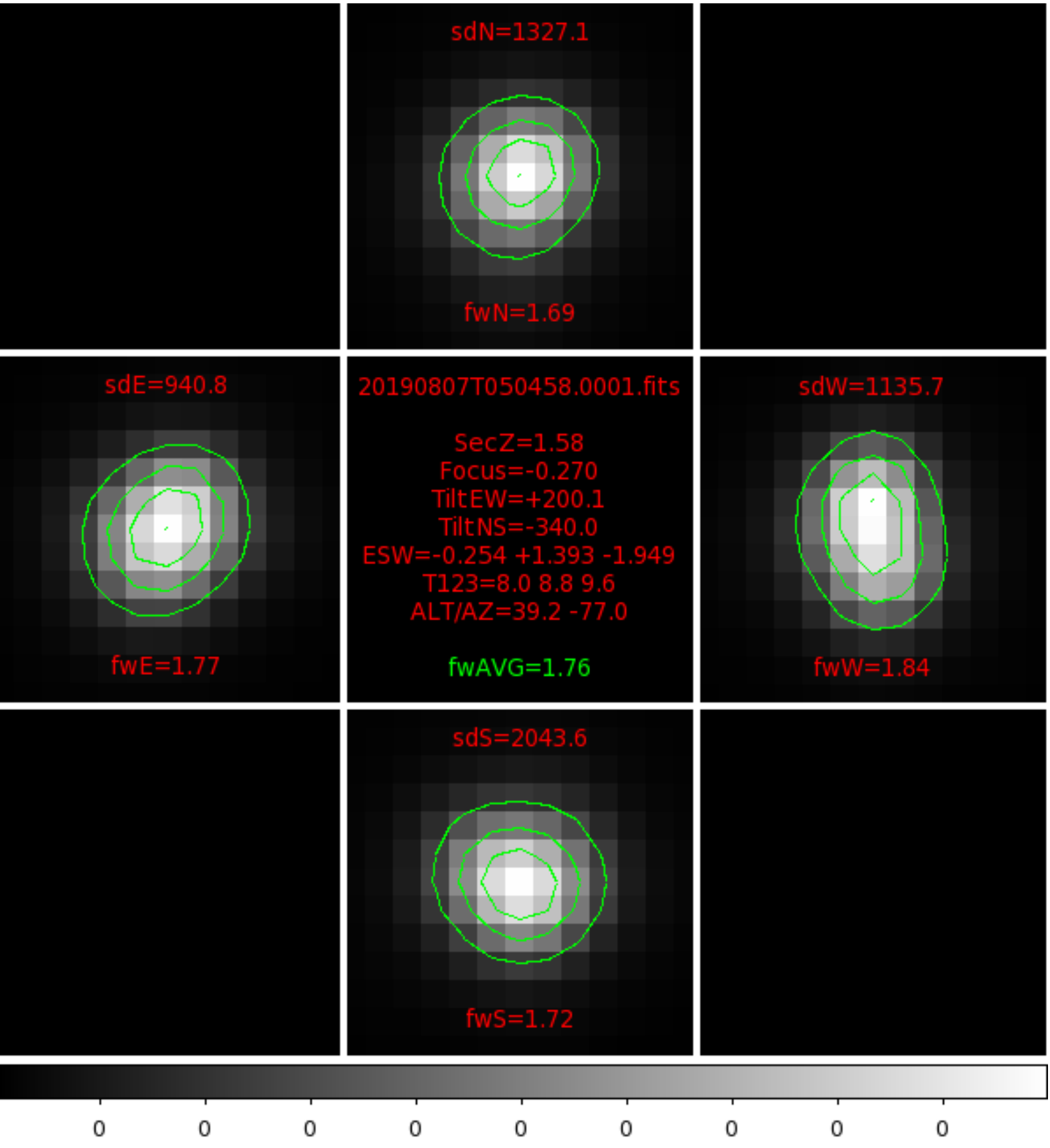
sdN=1327.1
fwN=1.69
sdE=940.8
fwE=1.77
20190807T050458.0001.fits
SecZ=1.58
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.8 9.6
ALT/AZ=39.2 -77.0
fwAVG=1.76
sdW=1135.7
fwW=1.84
sdS=2043.6
fwS=1.72
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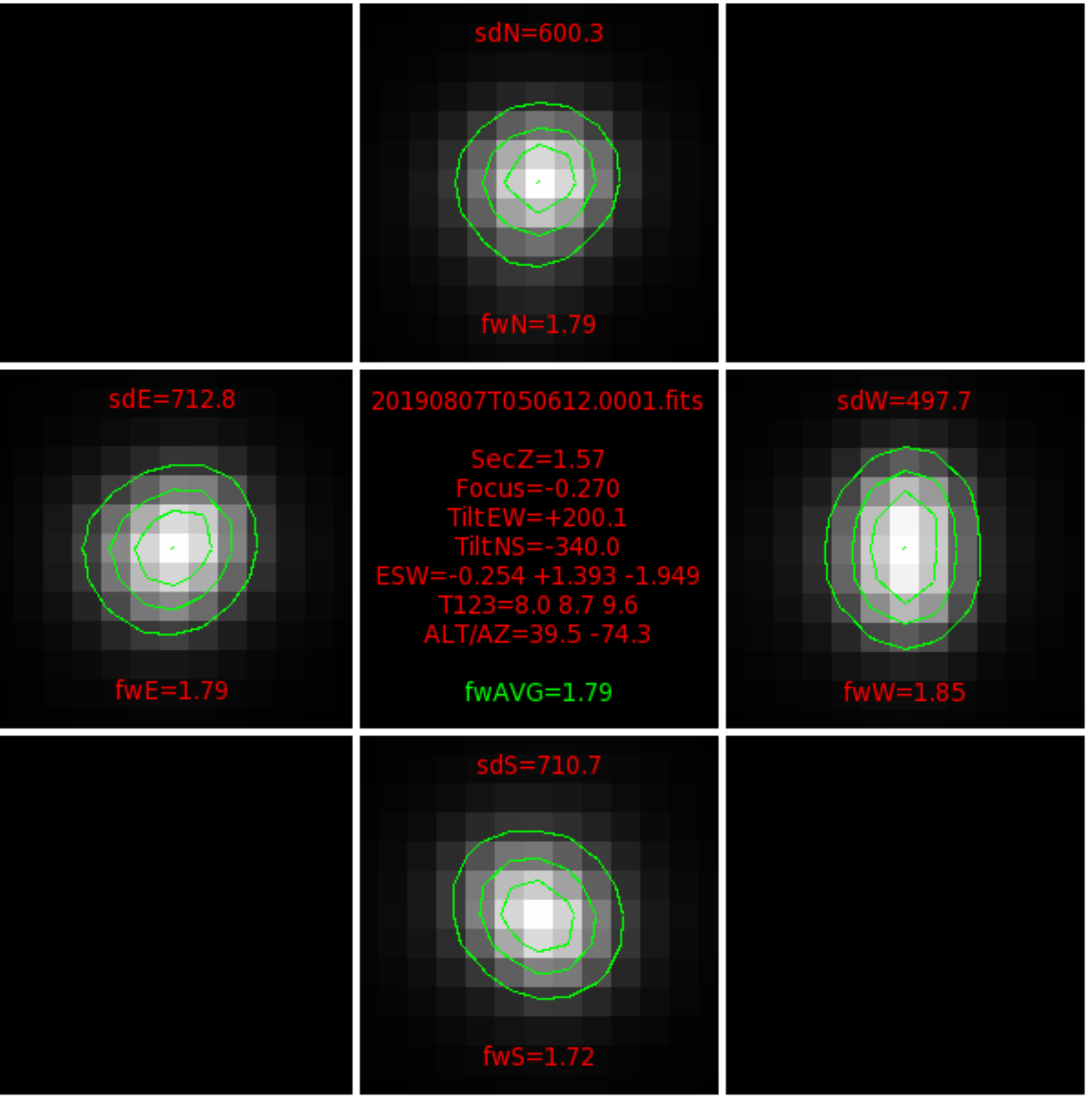
sdN=600.3
fwN=1.79
sdE=712.8
fwE=1.79
20190807T050612.0001.fits
SecZ=1.57
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.7 9.6
ALT/AZ=39.5 -74.3
fwAVG=1.79
sdW=497.7
fwW=1.85
sdS=710.7
fwS=1.72
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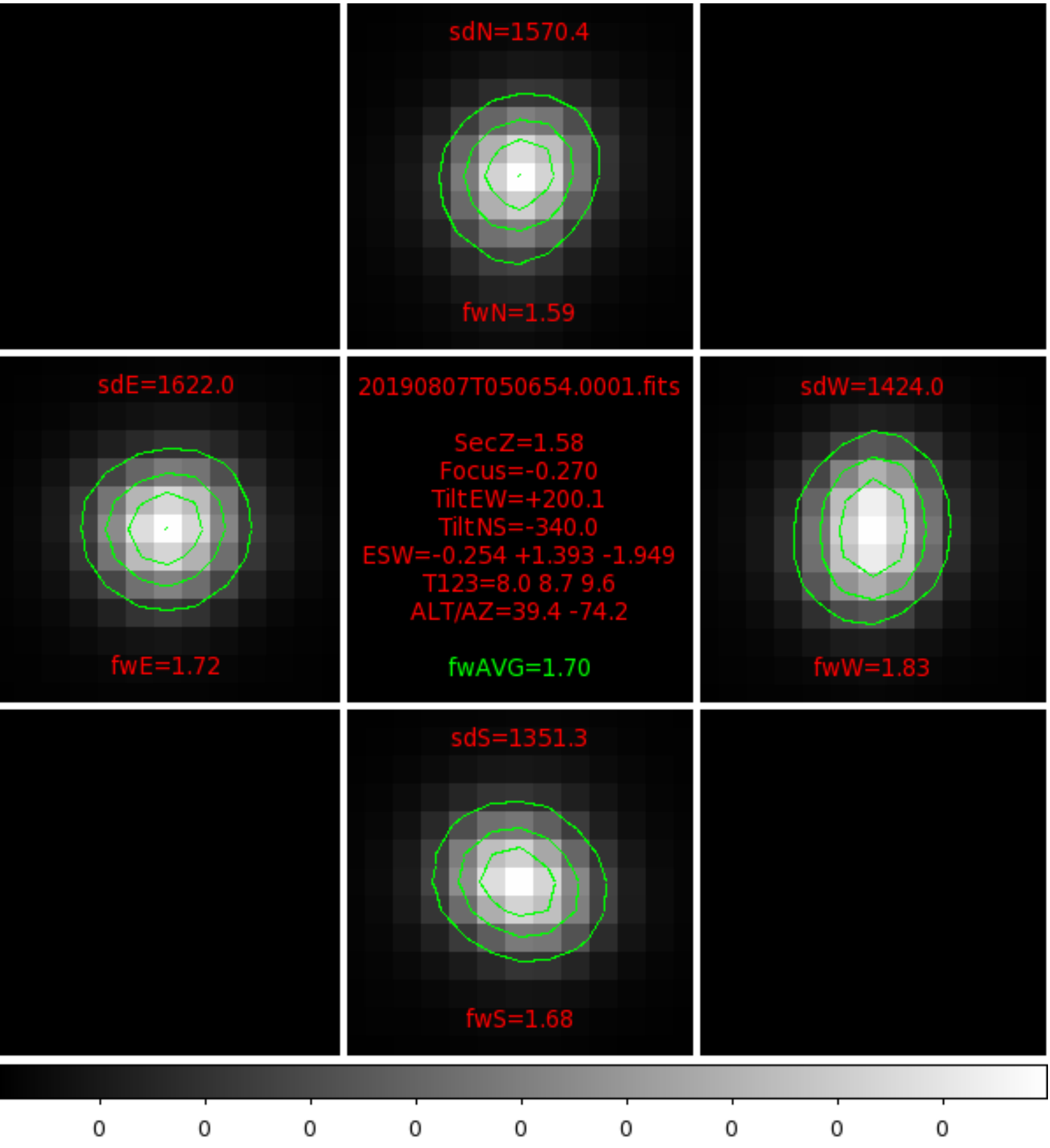
sdN=1570.4
fwN=1.59
sdE=1622.0
fwE=1.72
20190807T050654.0001.fits
SecZ=1.58
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.7 9.6
ALT/AZ=39.4 -74.2
fwAVG=1.70
sdW=1424.0
fwW=1.83
sdS=1351.3
fwS=1.68
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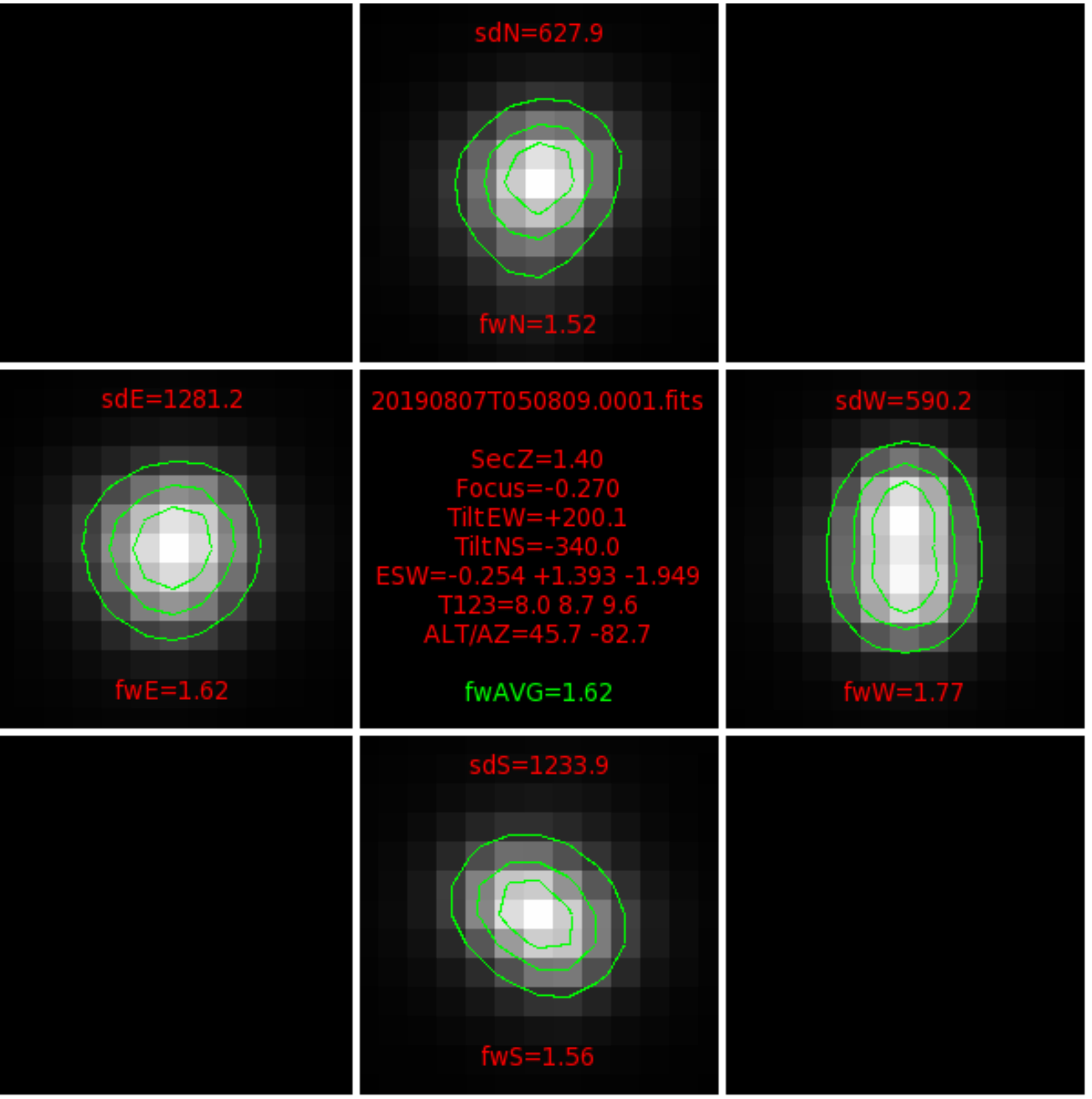
sdN=627.9
fwN=1.52
sdE=1281.2
fwE=1.62
20190807T050809.0001.fits
SecZ=1.40
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.7 9.6
ALT/AZ=45.7 -82.7
fwAVG=1.62
sdW=590.2
fwW=1.77
sdS=1233.9
fwS=1.56
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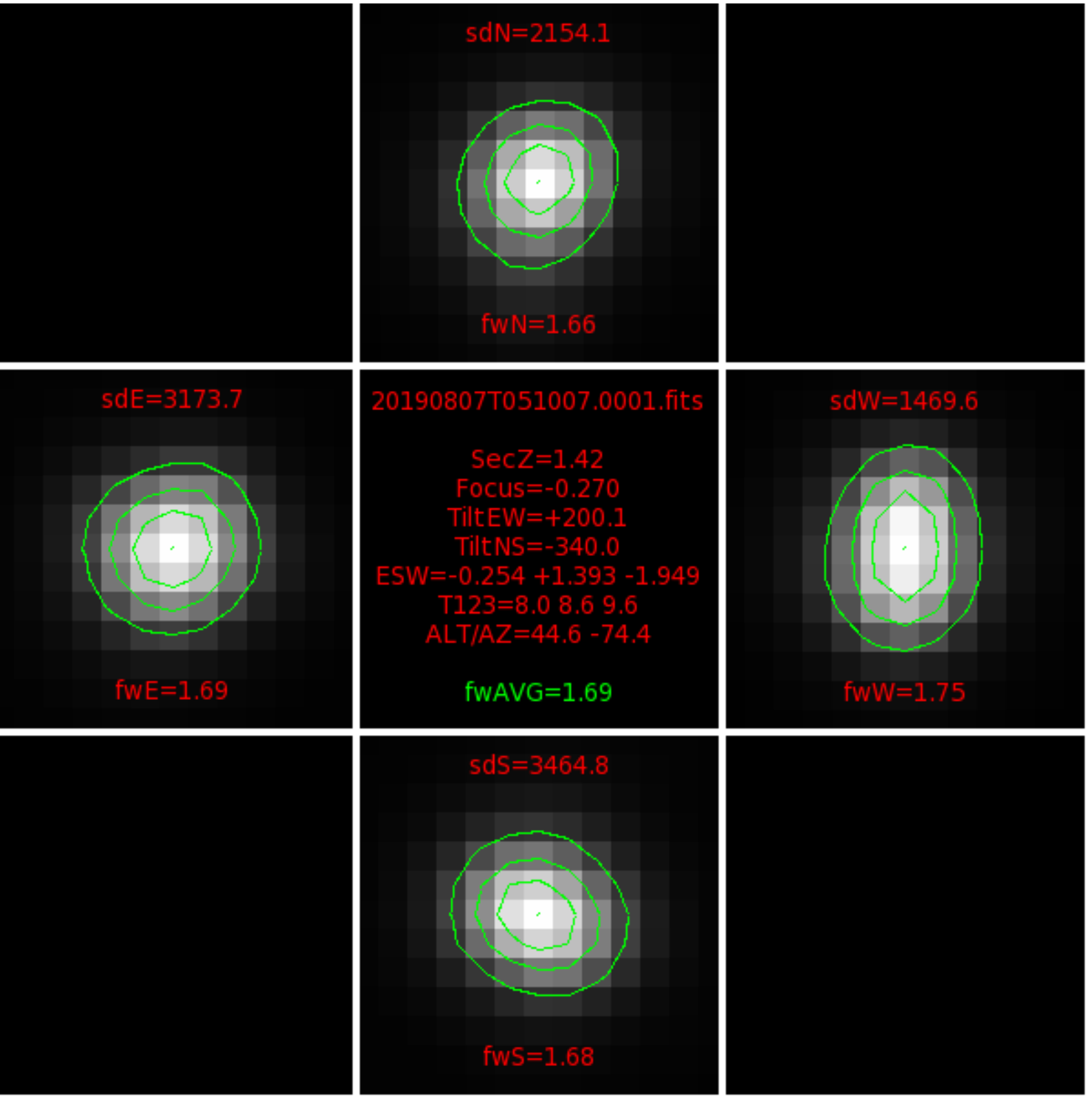
sdN=2154.1
fwN=1.66
sdE=3173.7
fwE=1.69
20190807T051007.0001.fits
SecZ=1.42
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=44.6 -74.4
fwAVG=1.69
sdW=1469.6
fwW=1.75
sdS=3464.8
fwS=1.68
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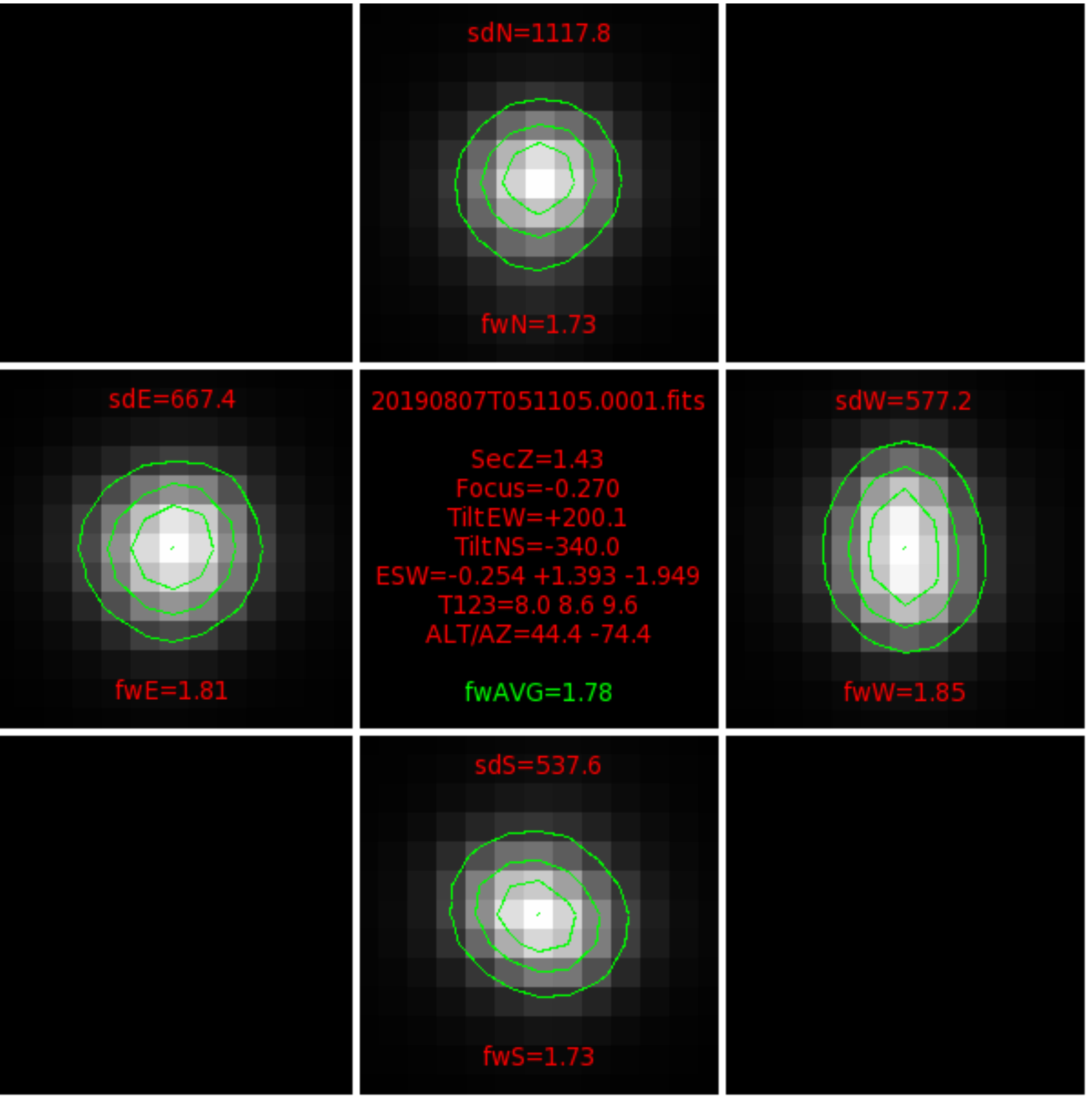
sdN=1117.8
fwN=1.73
sdE=667.4
fwE=1.81
20190807T051105.0001.fits
SecZ=1.43
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=44.4 -74.4
fwAVG=1.78
sdW=577.2
fwW=1.85
sdS=537.6
fwS=1.73
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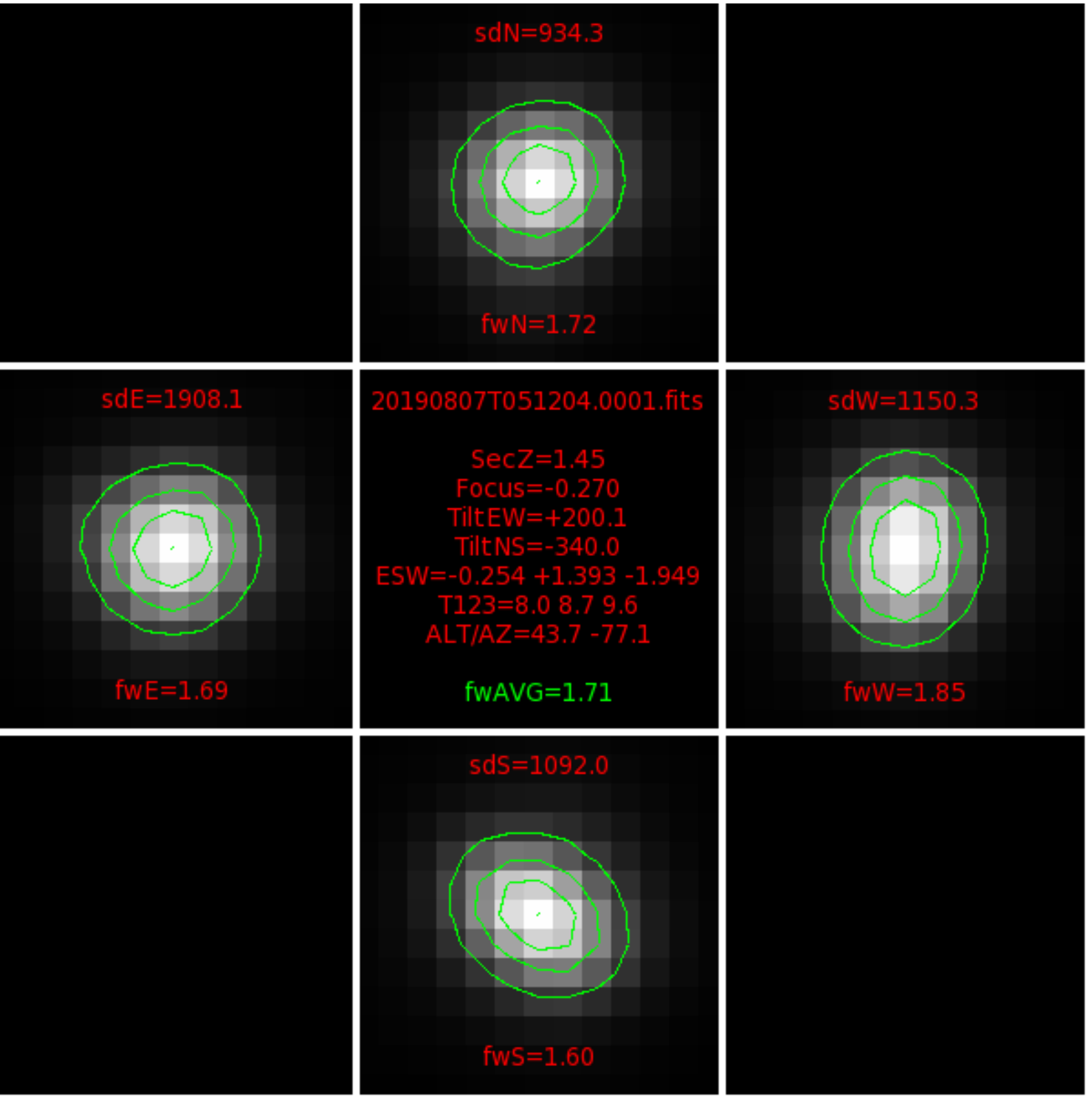
sdN=934.3
fwN=1.72
sdE=1908.1
fwE=1.69
20190807T051204.0001.fits
SecZ=1.45
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.7 9.6
ALT/AZ=43.7 -77.1
fwAVG=1.71
sdW=1150.3
fwW=1.85
sdS=1092.0
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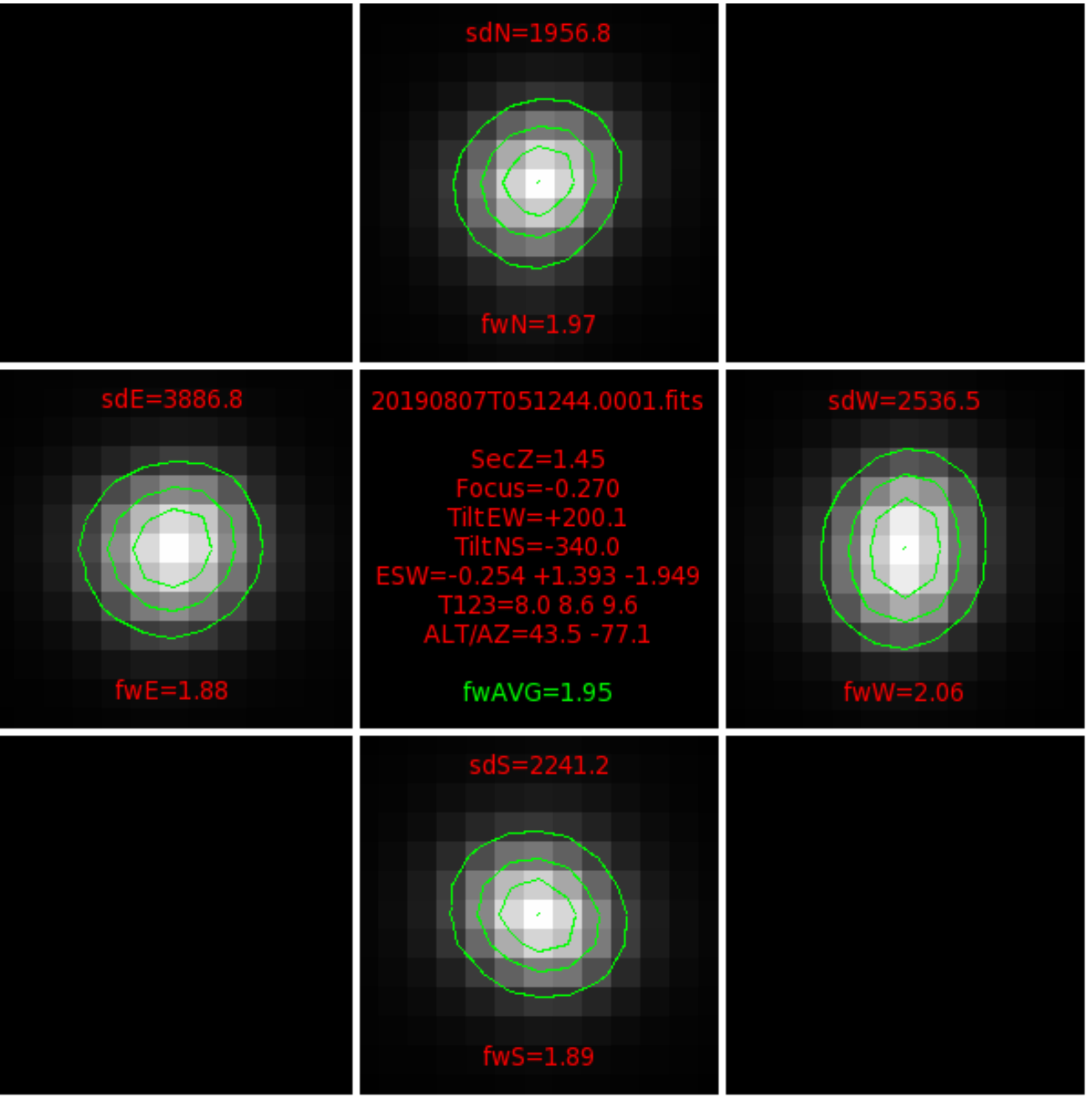
sdN=1956.8
fwN=1.97
sdE=3886.8
fwE=1.88
20190807T051244.0001.fits
SecZ=1.45
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=43.5 -77.1
fwAVG=1.95
sdW=2536.5
fwW=2.06
sdS=2241.2
fwS=1.89
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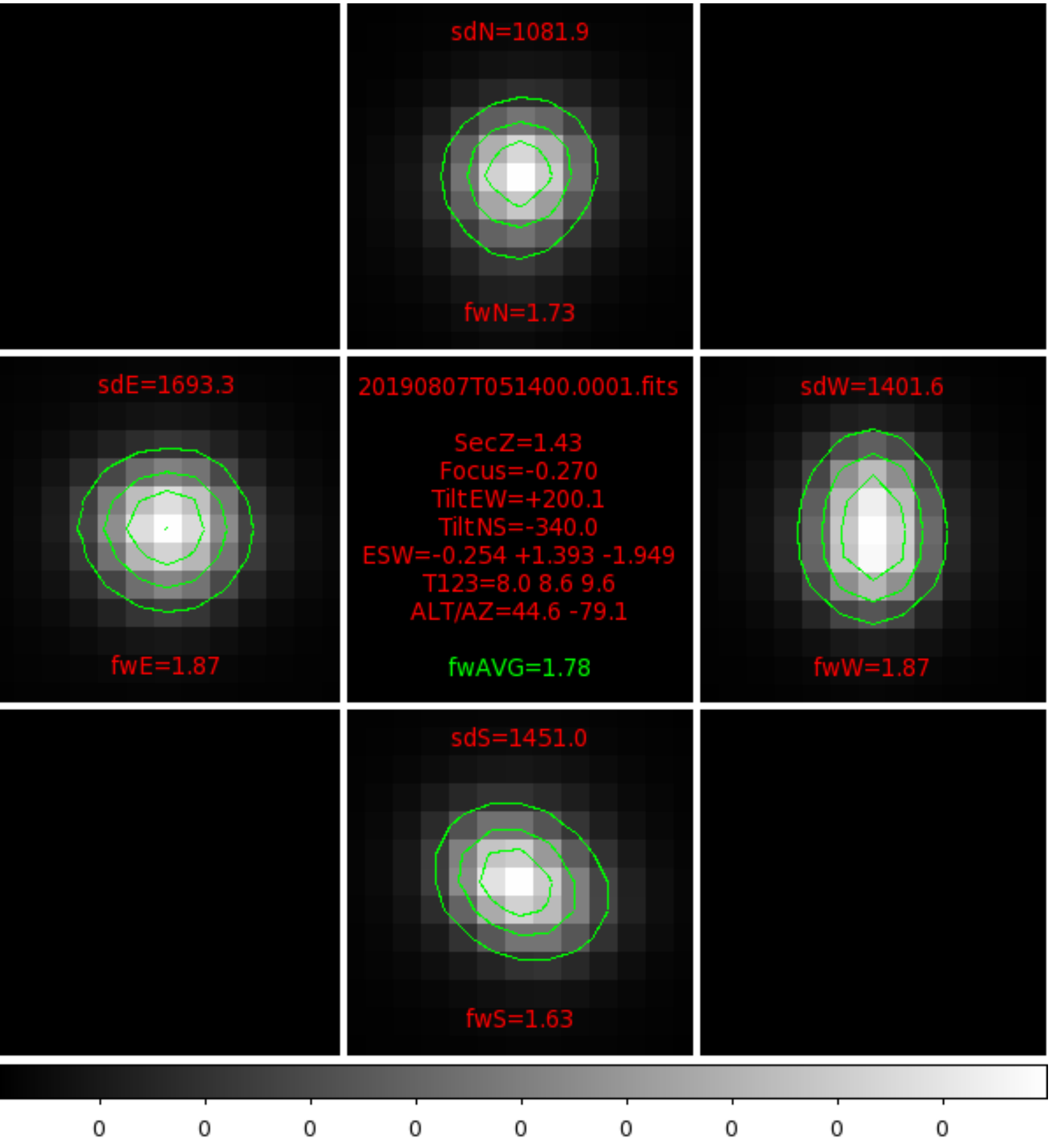
sdN=1081.9
fwN=1.73
sdE=1693.3
fwE=1.87
20190807T051400.0001.fits
SecZ=1.43
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=44.6 -79.1
fwAVG=1.78
sdW=1401.6
fwW=1.87
sdS=1451.0
fwS=1.63
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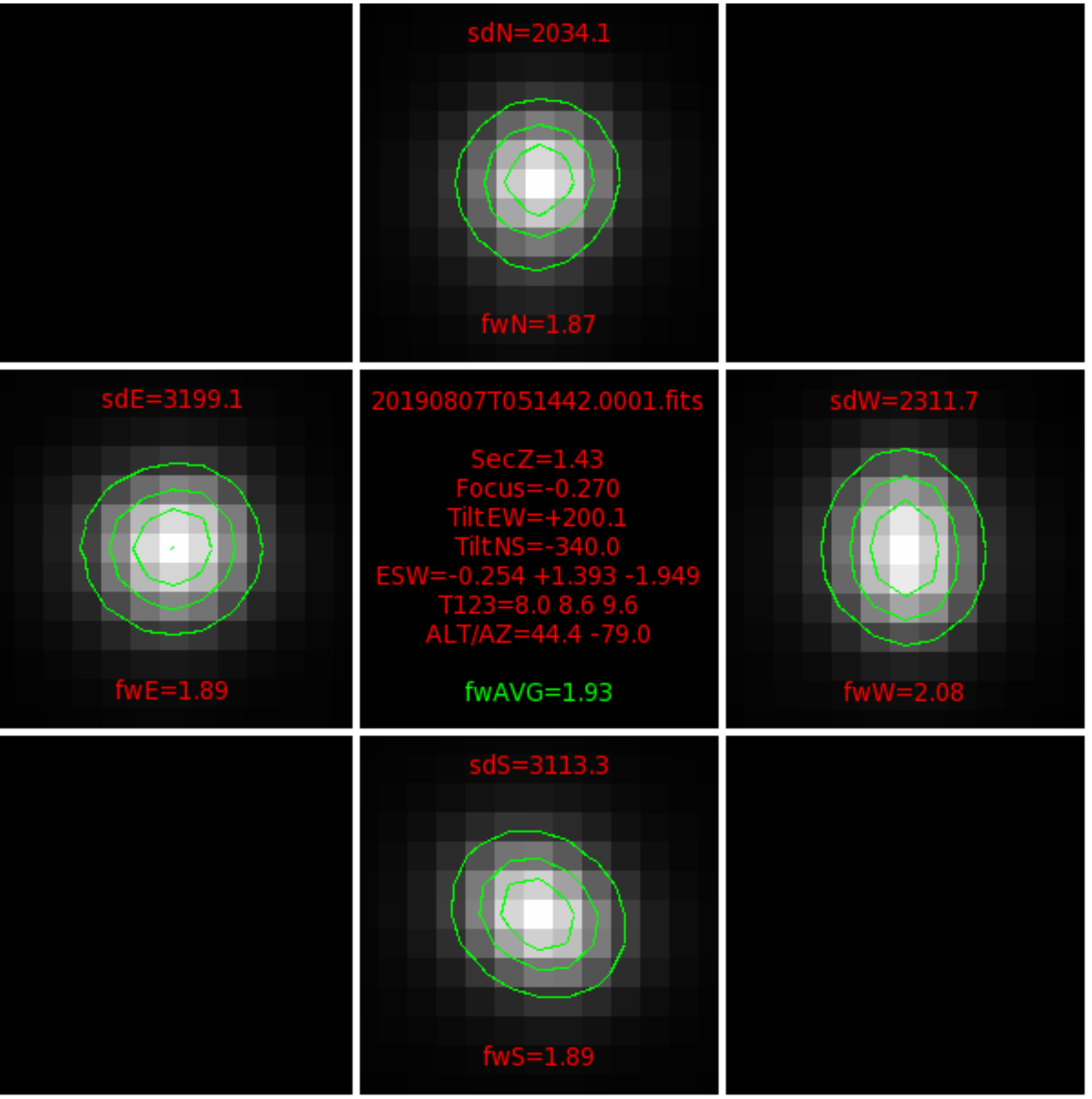
sdN=2034.1
fwN=1.87
sdE=3199.1
fwE=1.89
20190807T051442.0001.fits
SecZ=1.43
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=44.4 -79.0
fwAVG=1.93
sdW=2311.7
fwW=2.08
sdS=3113.3
fwS=1.89
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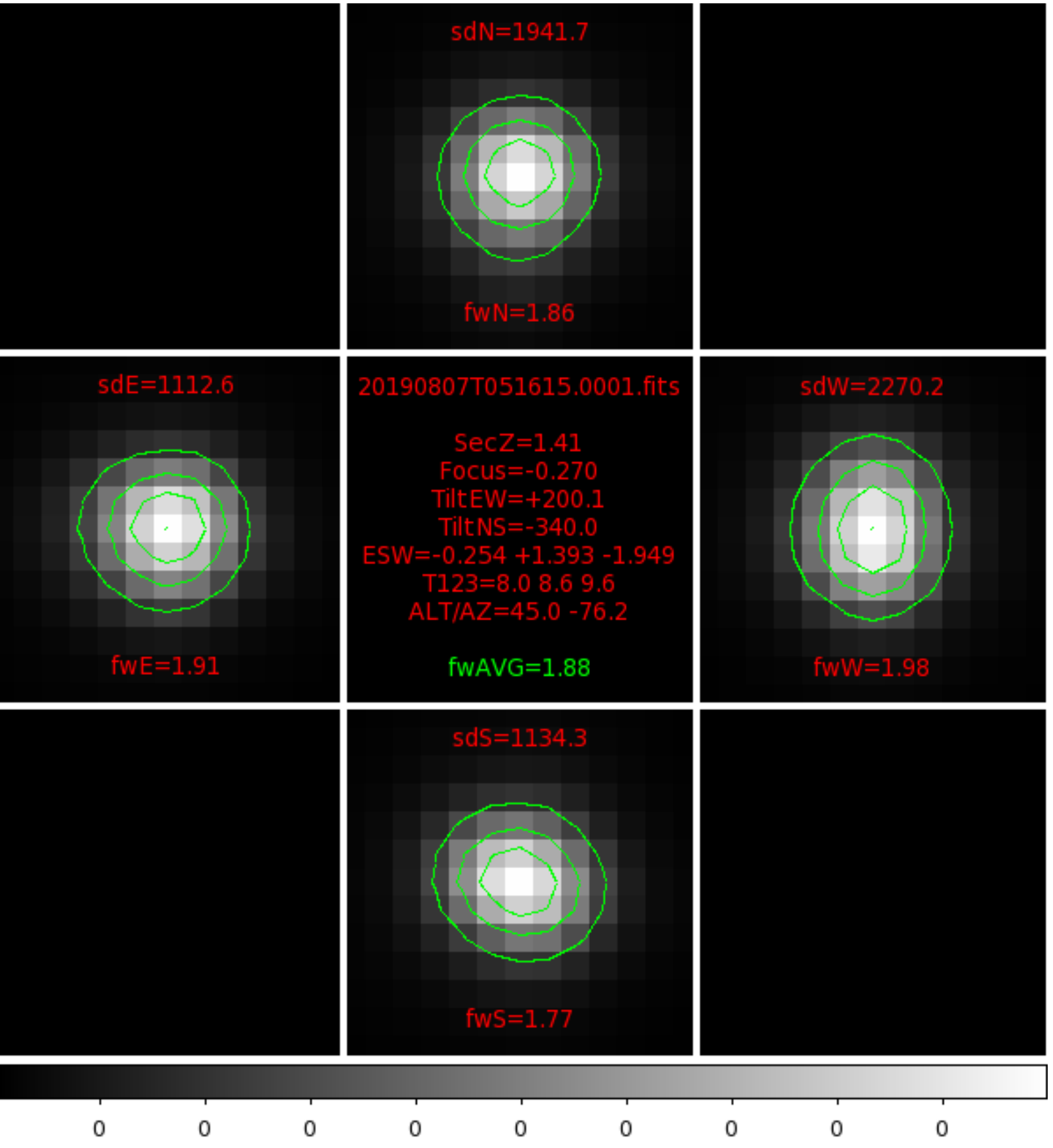
sdN=1941.7
fwN=1.86
sdE=1112.6
fwE=1.91
20190807T051615.0001.fits
SecZ=1.41
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=45.0 -76.2
fwAVG=1.88
sdW=2270.2
fwW=1.98
sdS=1134.3
fwS=1.77
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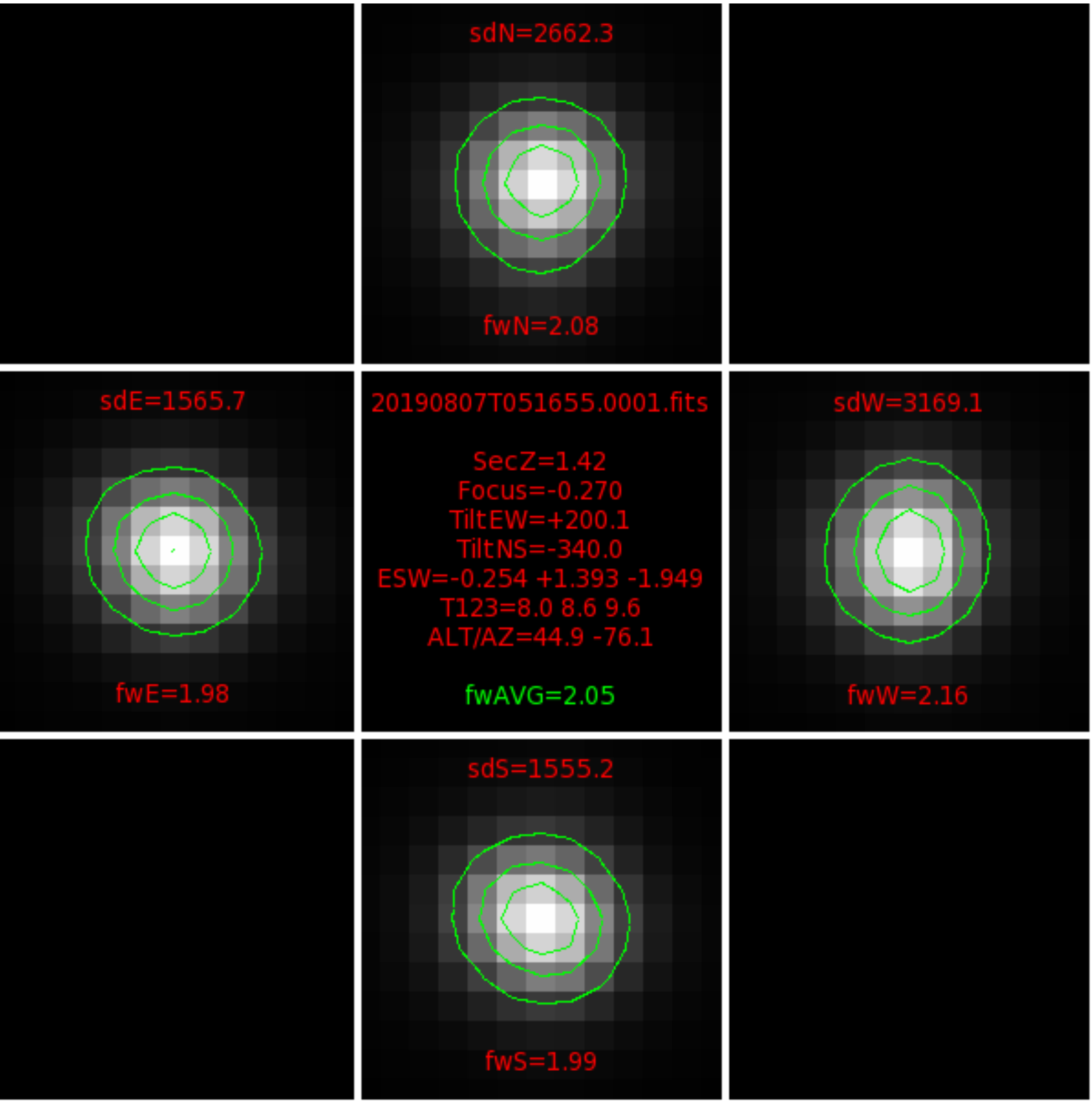
sdN=2662.3
fwN=2.08
sdE=1565.7
fwE=1.98
20190807T051655.0001.fits
SecZ=1.42
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=44.9 -76.1
fwAVG=2.05
sdW=3169.1
fwW=2.16
sdS=1555.2
fwS=1.99
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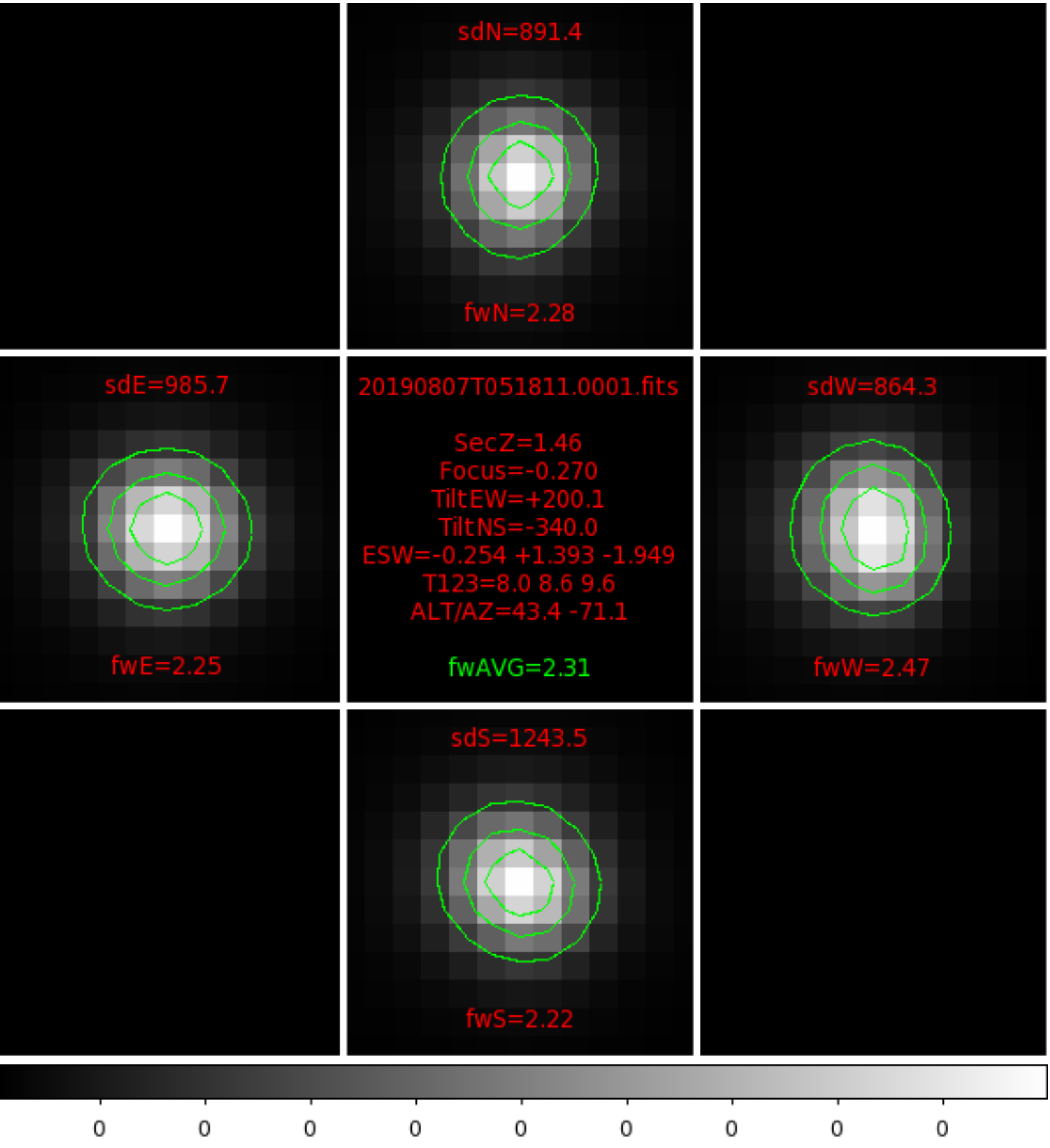
sdN=891.4
fwN=2.28
sdE=985.7
fwE=2.25
20190807T051811.0001.fits
SecZ=1.46
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=43.4 -71.1
fwAVG=2.31
sdW=864.3
fwW=2.47
sdS=1243.5
fwS=2.22
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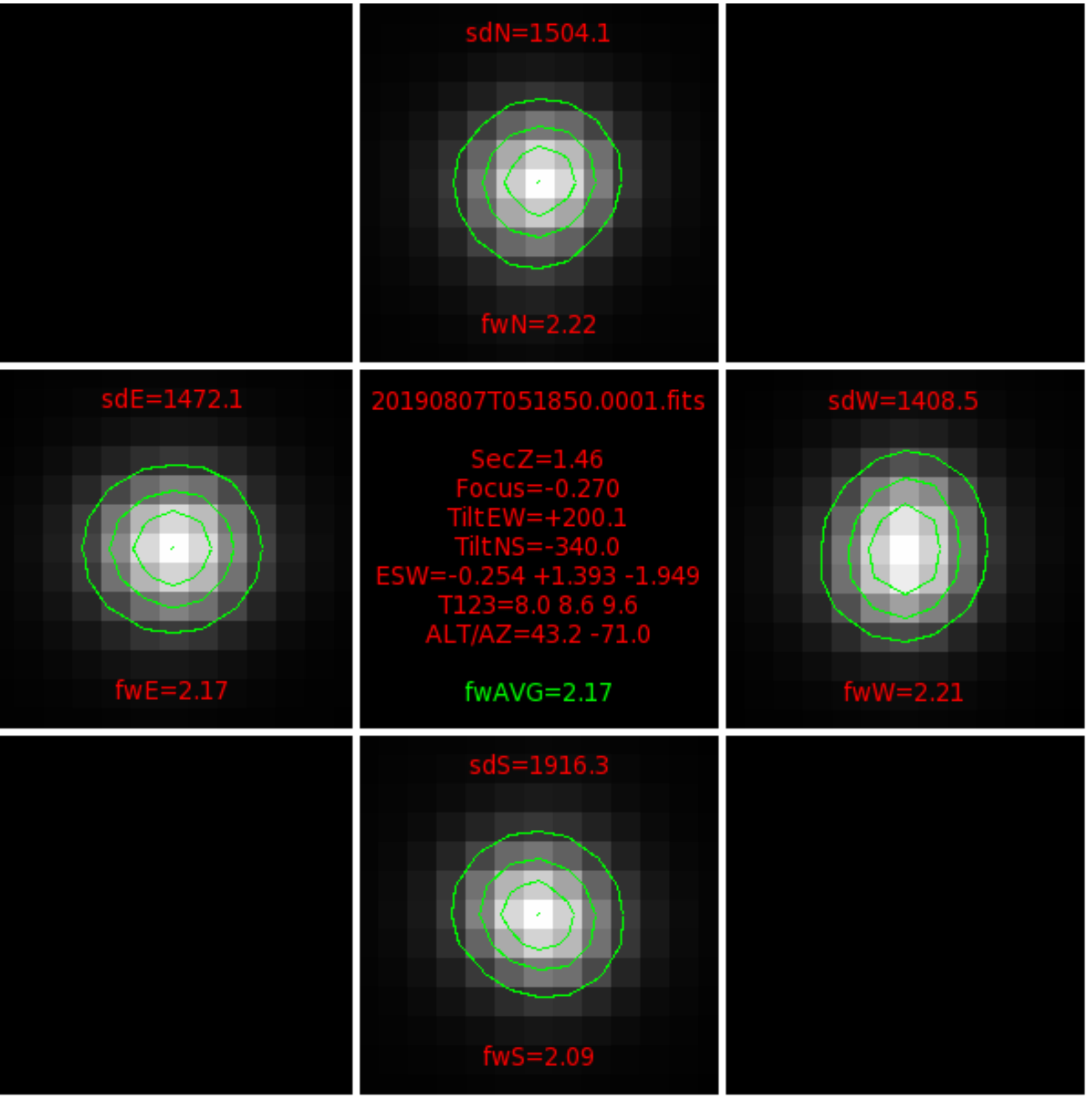
sdN=1504.1
fwN=2.22
sdE=1472.1
fwE=2.17
20190807T051850.0001.fits
SecZ=1.46
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=43.2 -71.0
fwAVG=2.17
sdW=1408.5
fwW=2.21
sdS=1916.3
fwS=2.09
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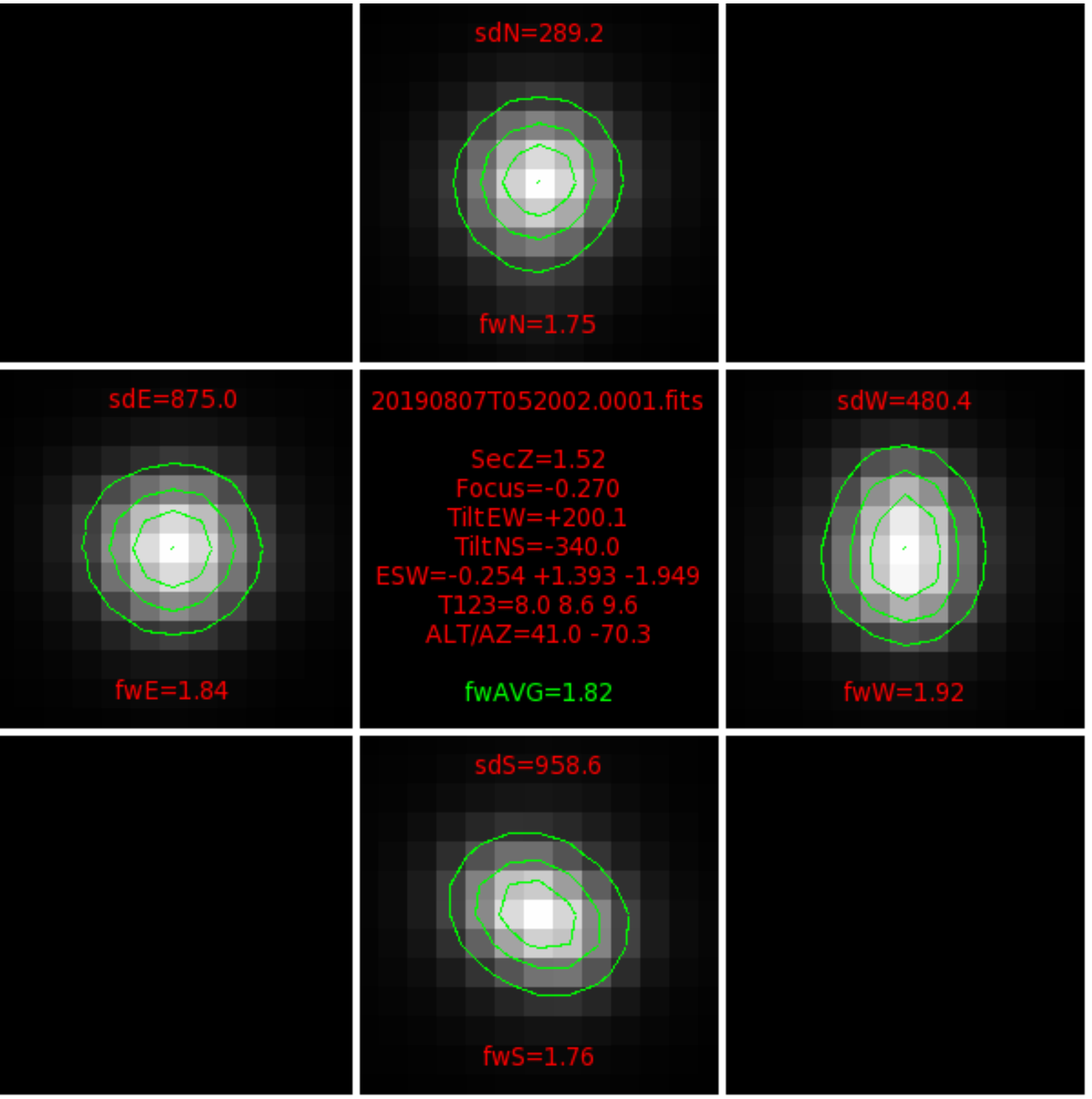
sdN=289.2
fwN=1.75
sdE=875.0
fwE=1.84
20190807T052002.0001.fits
SecZ=1.52
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=41.0 -70.3
fwAVG=1.82
sdW=480.4
fwW=1.92
sdS=958.6
fwS=1.76
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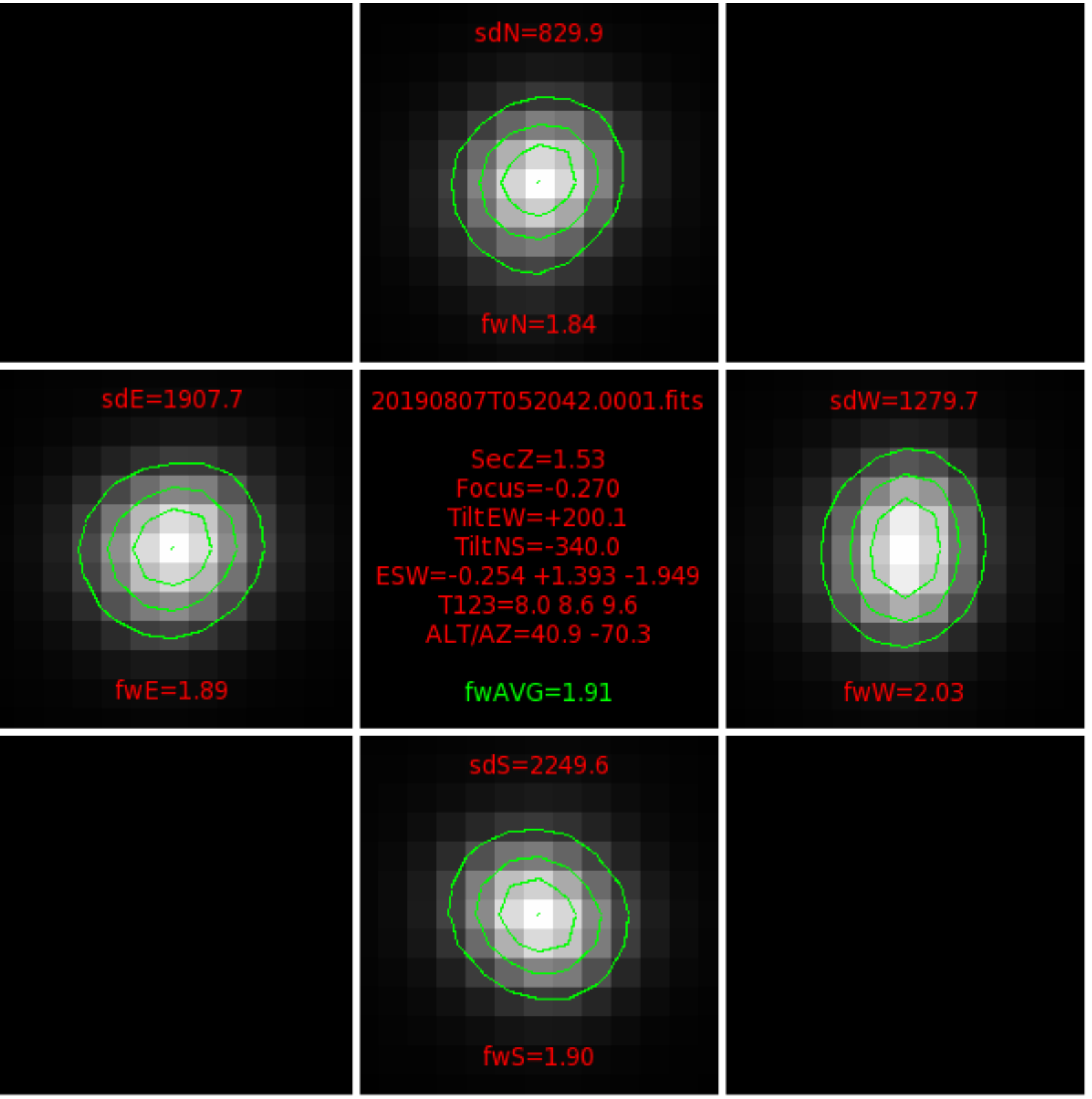
sdN=829.9
fwN=1.84
sdE=1907.7
fwE=1.89
20190807T052042.0001.fits
SecZ=1.53
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=40.9 -70.3
fwAVG=1.91
sdW=1279.7
fwW=2.03
sdS=2249.6
fwS=1.90
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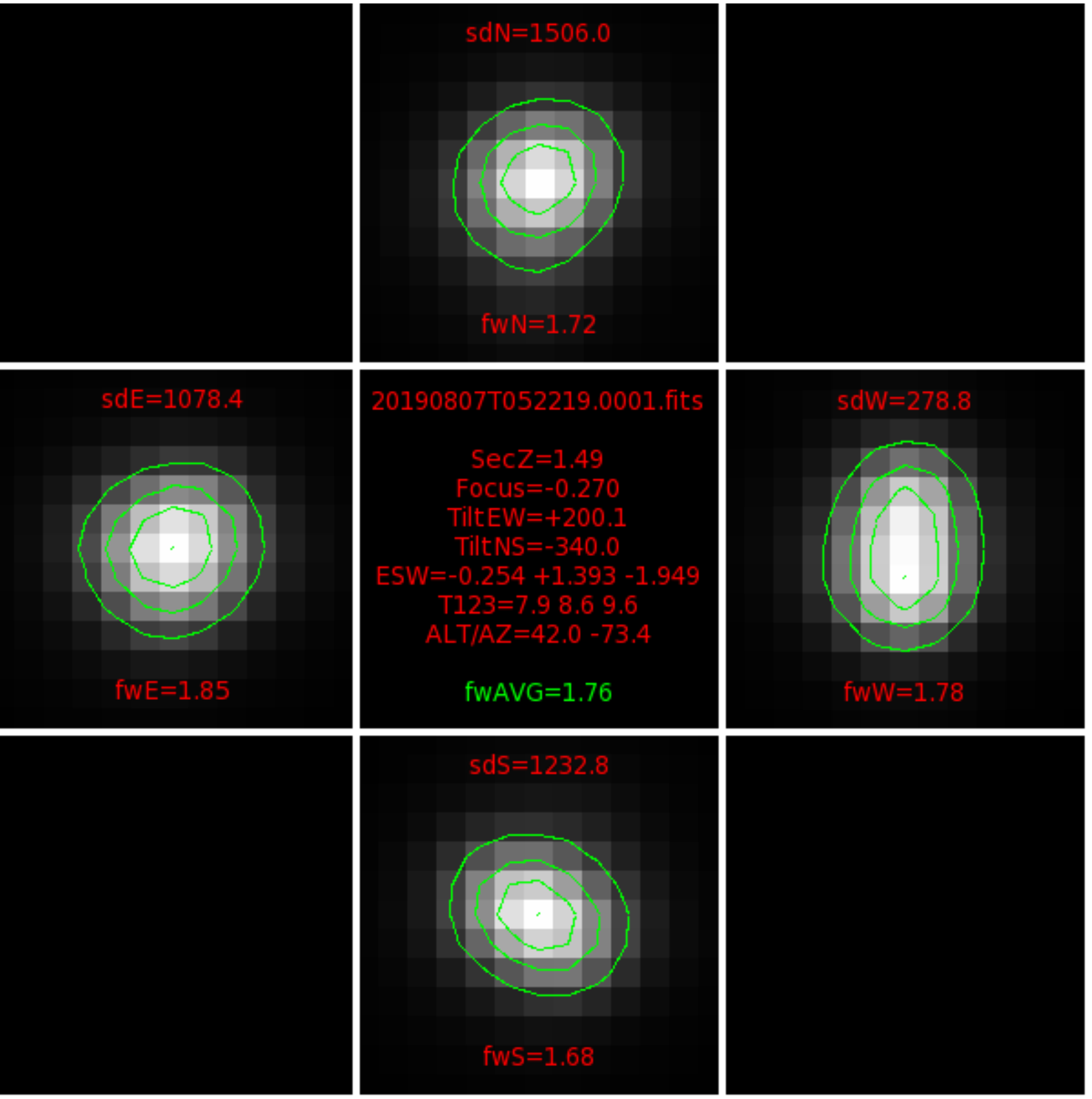
sdN=1506.0
fwN=1.72
sdE=1078.4
fwE=1.85
20190807T052219.0001.fits
SecZ=1.49
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.9 8.6 9.6
ALT/AZ=42.0 -73.4
fwAVG=1.76
sdW=278.8
fwW=1.78
sdS=1232.8
fwS=1.68
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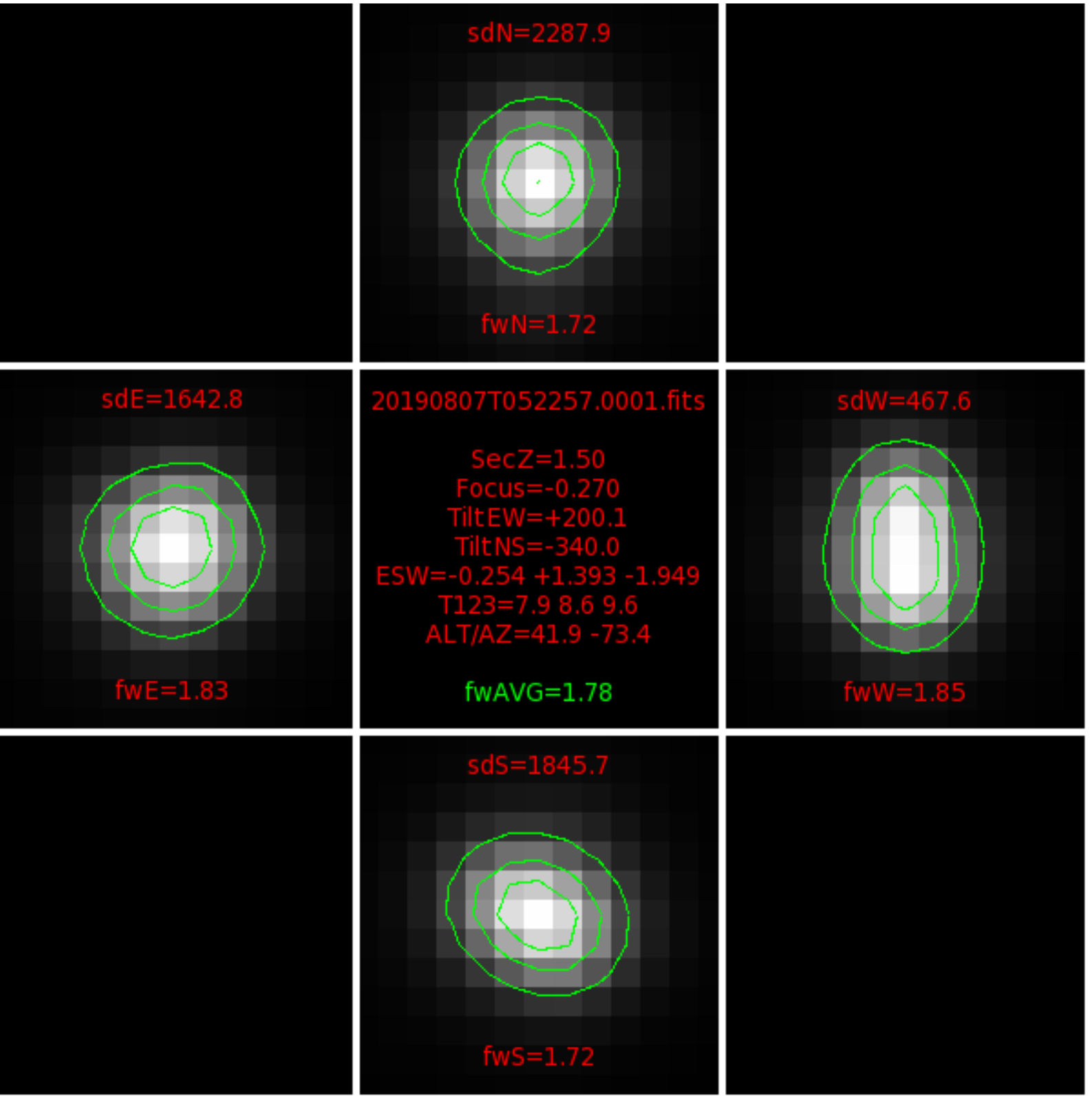
sdN=2287.9
fwN=1.72
sdE=1642.8
fwE=1.83
20190807T052257.0001.fits
SecZ=1.50
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.9 8.6 9.6
ALT/AZ=41.9 -73.4
fwAVG=1.78
sdW=467.6
fwW=1.85
sdS=1845.7
fwS=1.72
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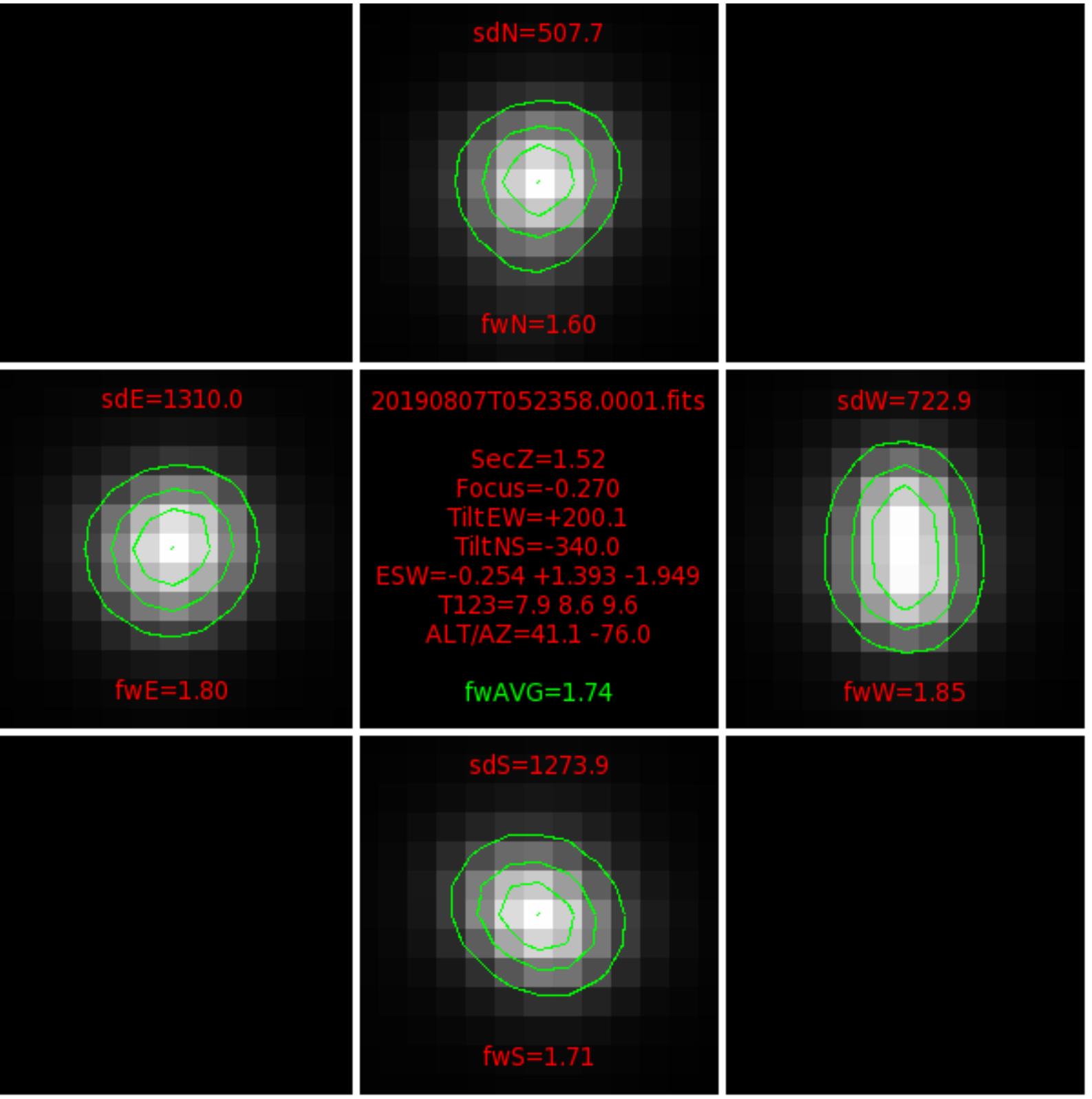
sdN=507.7
fwN=1.60
sdE=1310.0
fwE=1.80
20190807T052358.0001.fits
SecZ=1.52
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.9 8.6 9.6
ALT/AZ=41.1 -76.0
fwAVG=1.74
sdW=722.9
fwW=1.85
sdS=1273.9
fwS=1.71
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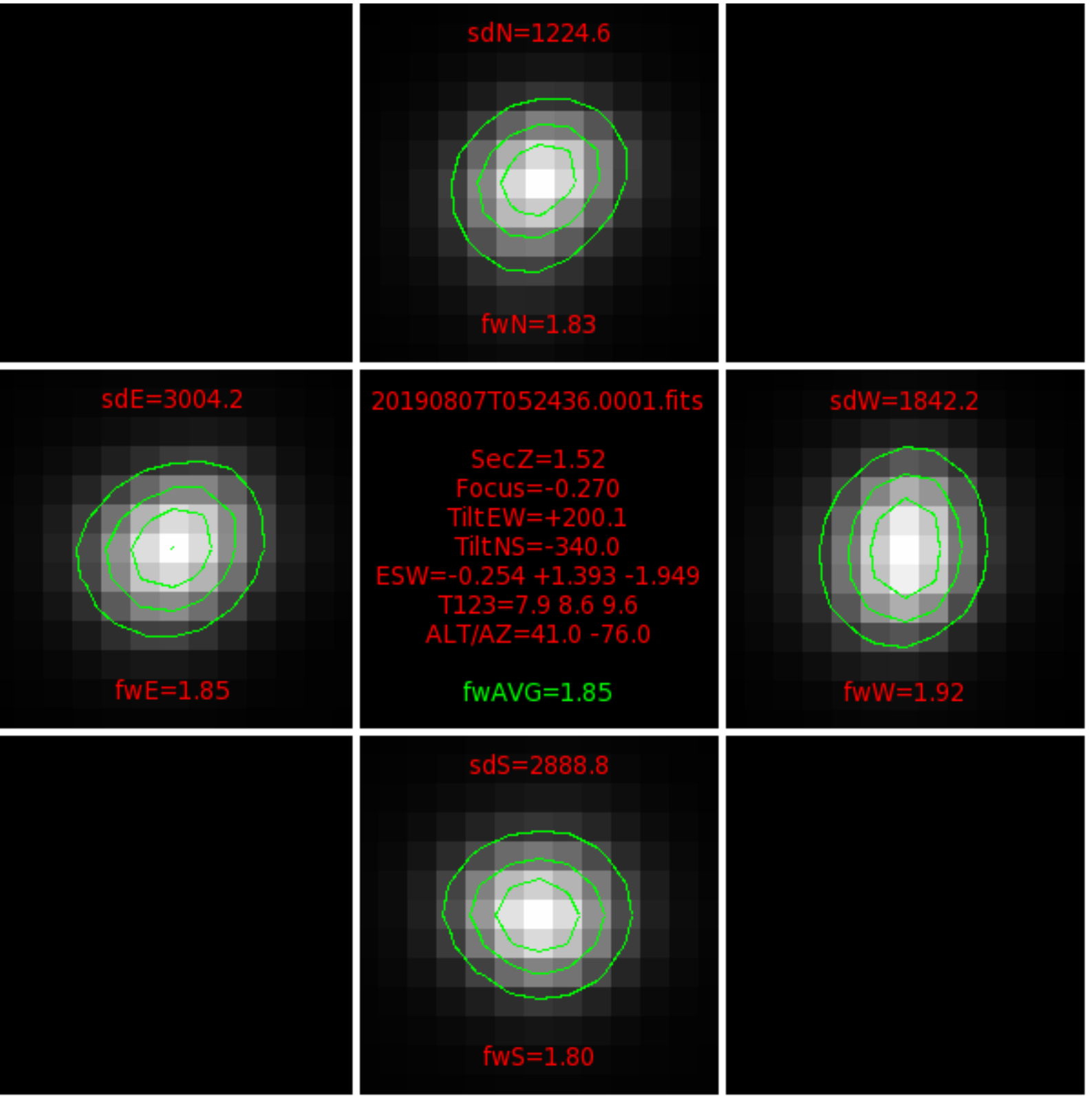
sdN=1224.6
fwN=1.83
sdE=3004.2
fwE=1.85
20190807T052436.0001.fits
SecZ=1.52
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.9 8.6 9.6
ALT/AZ=41.0 -76.0
fwAVG=1.85
sdW=1842.2
fwW=1.92
sdS=2888.8
fwS=1.80
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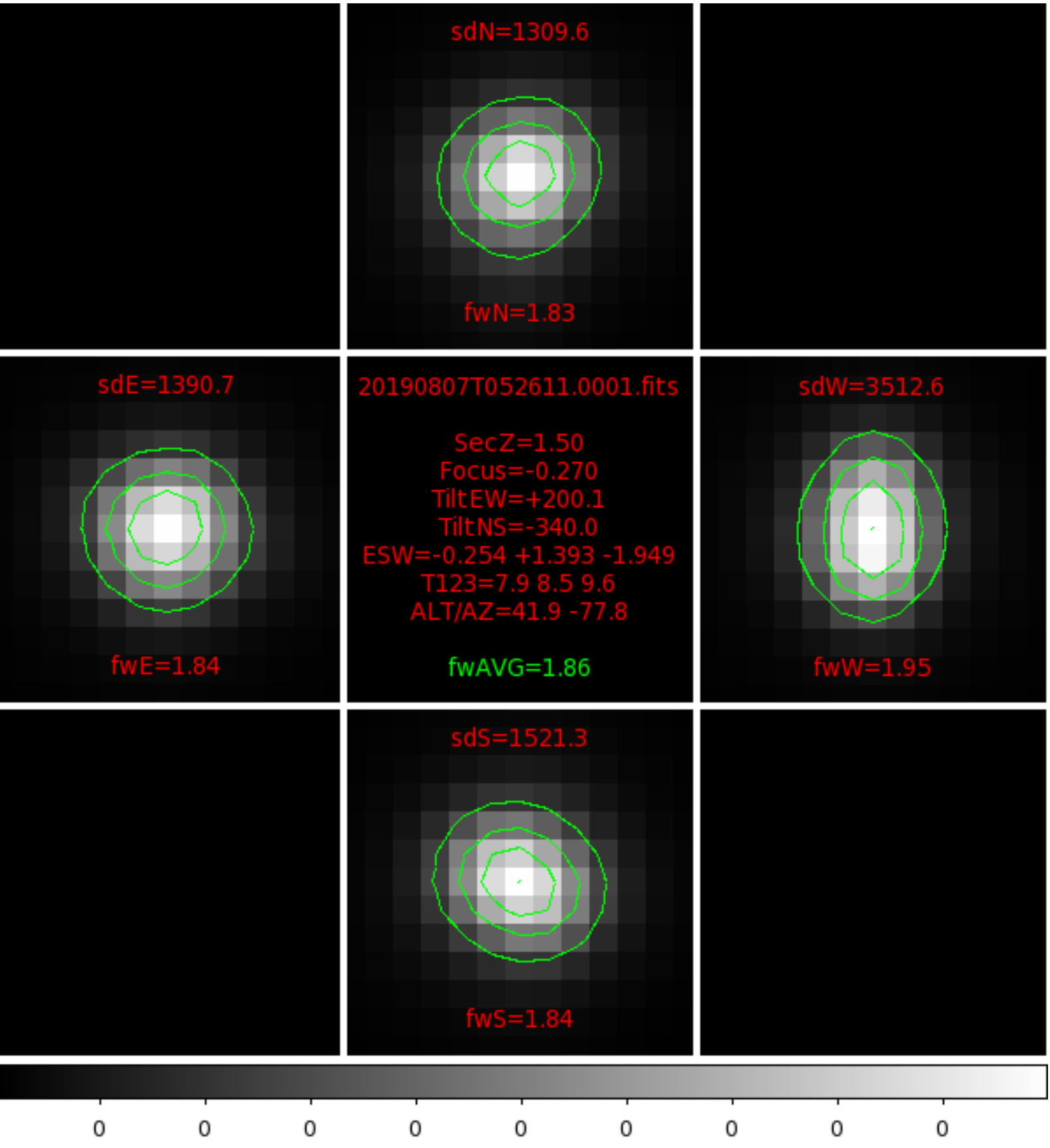
sdN=1309.6
fwN=1.83
sdE=1390.7
fwE=1.84
20190807T052611.0001.fits
SecZ=1.50
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.9 8.5 9.6
ALT/AZ=41.9 -77.8
fwAVG=1.86
sdW=3512.6
fwW=1.95
sdS=1521.3
fwS=1.84
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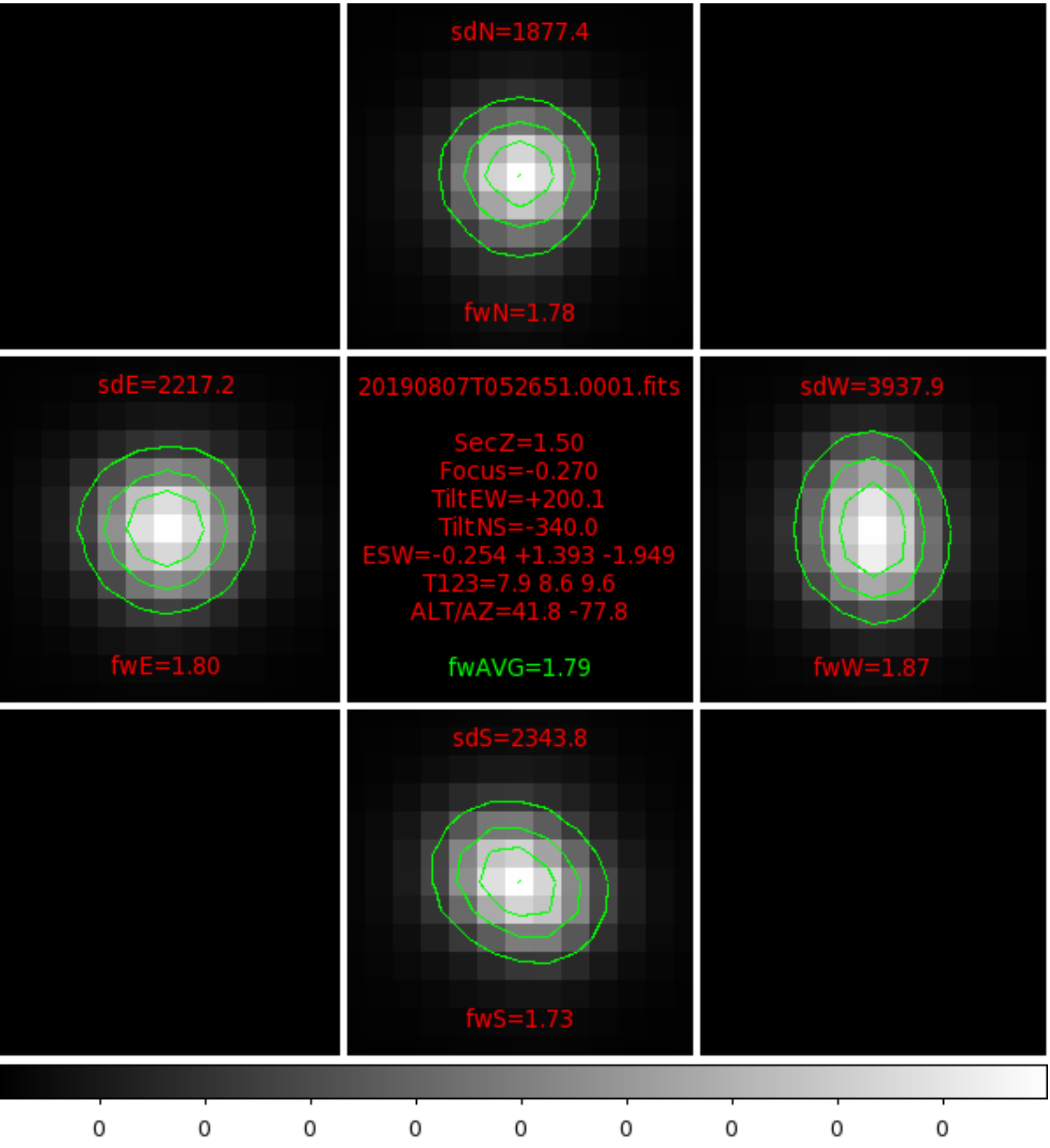
sdN=1877.4
fwN=1.78
sdE=2217.2
fwE=1.80
20190807T052651.0001.fits
SecZ=1.50
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.9 8.6 9.6
ALT/AZ=41.8 -77.8
fwAVG=1.79
sdW=3937.9
fwW=1.87
sdS=2343.8
fwS=1.73
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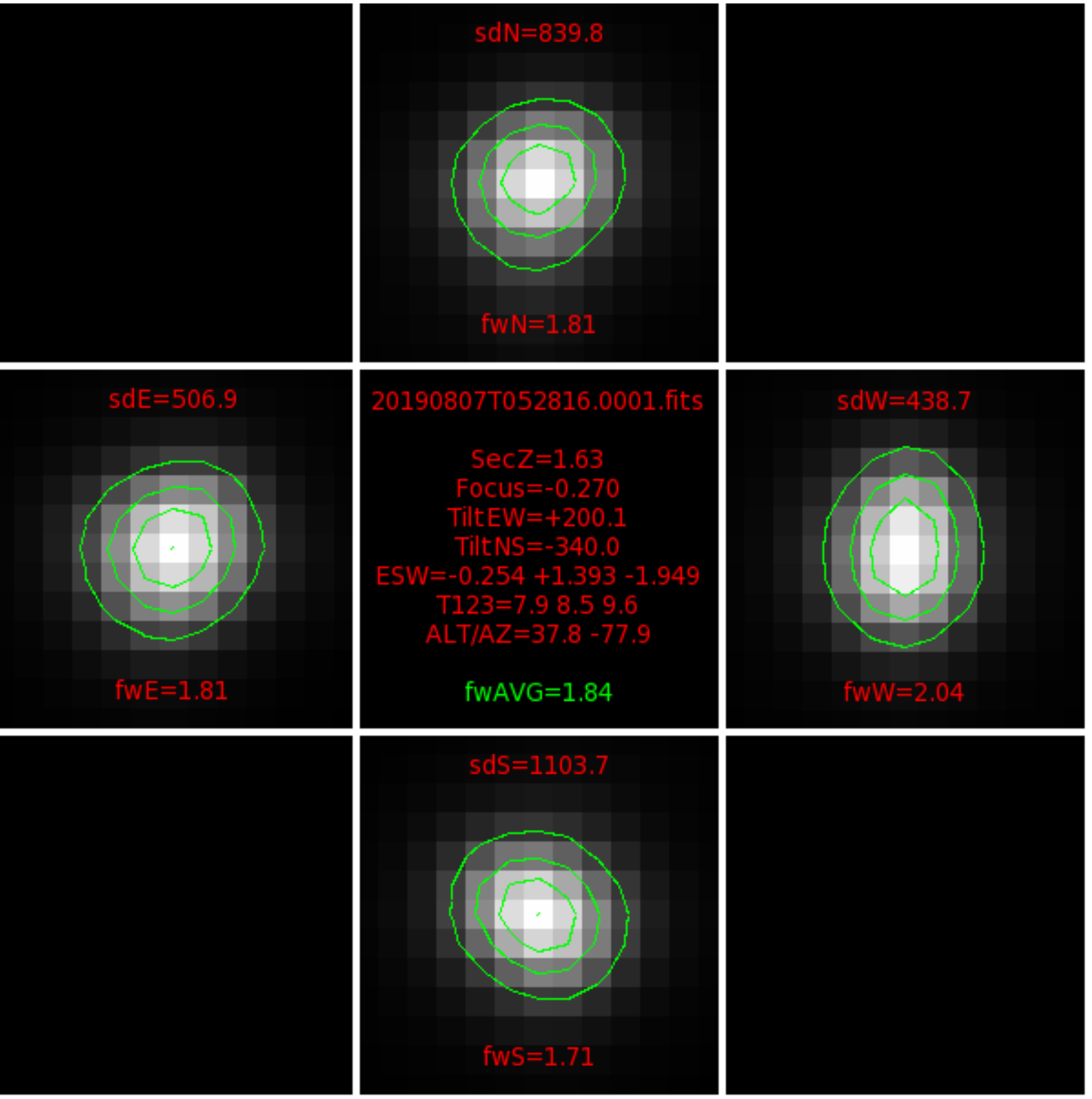
sdN=839.8
fwN=1.81
sdE=506.9
fwE=1.81
20190807T052816.0001.fits
SecZ=1.63
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.9 8.5 9.6
ALT/AZ=37.8 -77.9
fwAVG=1.84
sdW=438.7
fwW=2.04
sdS=1103.7
fwS=1.71
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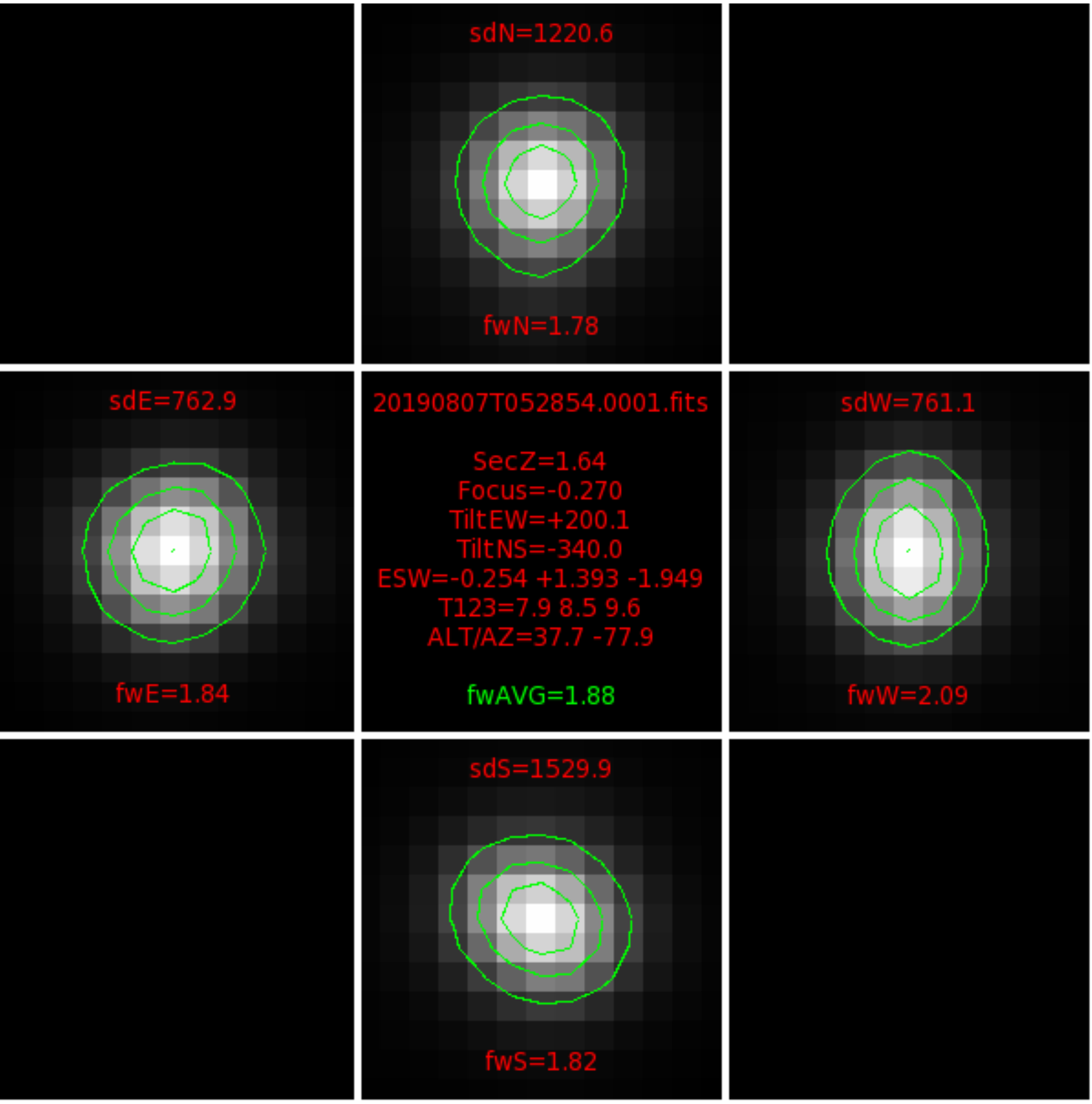
sdN=1220.6
fwN=1.78
sdE=762.9
fwE=1.84
20190807T052854.0001.fits
SecZ=1.64
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.9 8.5 9.6
ALT/AZ=37.7 -77.9
fwAVG=1.88
sdW=761.1
fwW=2.09
sdS=1529.9
fwS=1.82
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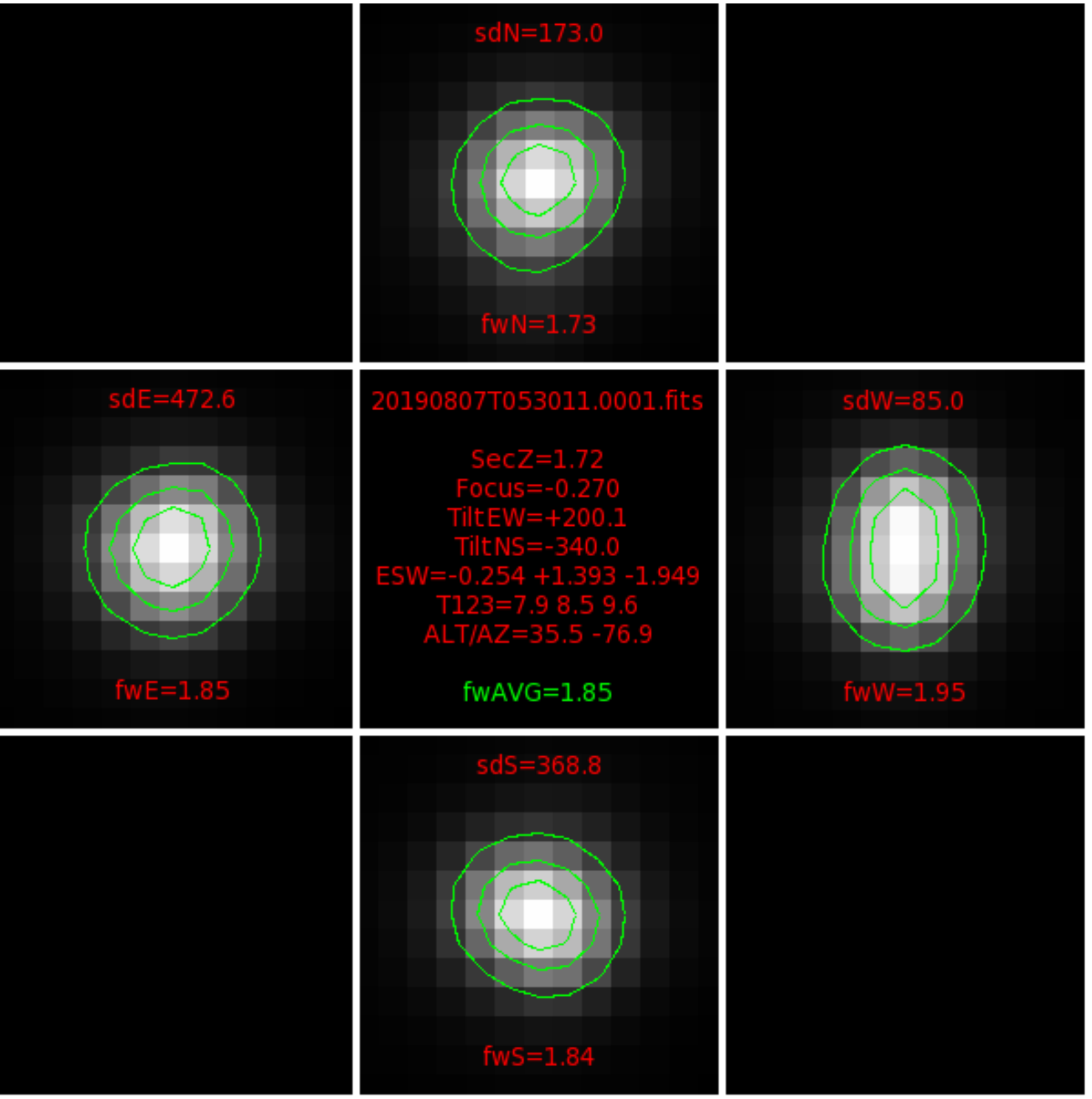
sdN=173.0
fwN=1.73
sdE=472.6
fwE=1.85
20190807T053011.0001.fits
SecZ=1.72
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.9 8.5 9.6
ALT/AZ=35.5 -76.9
fwAVG=1.85
sdW=85.0
fwW=1.95
sdS=368.8
fwS=1.84
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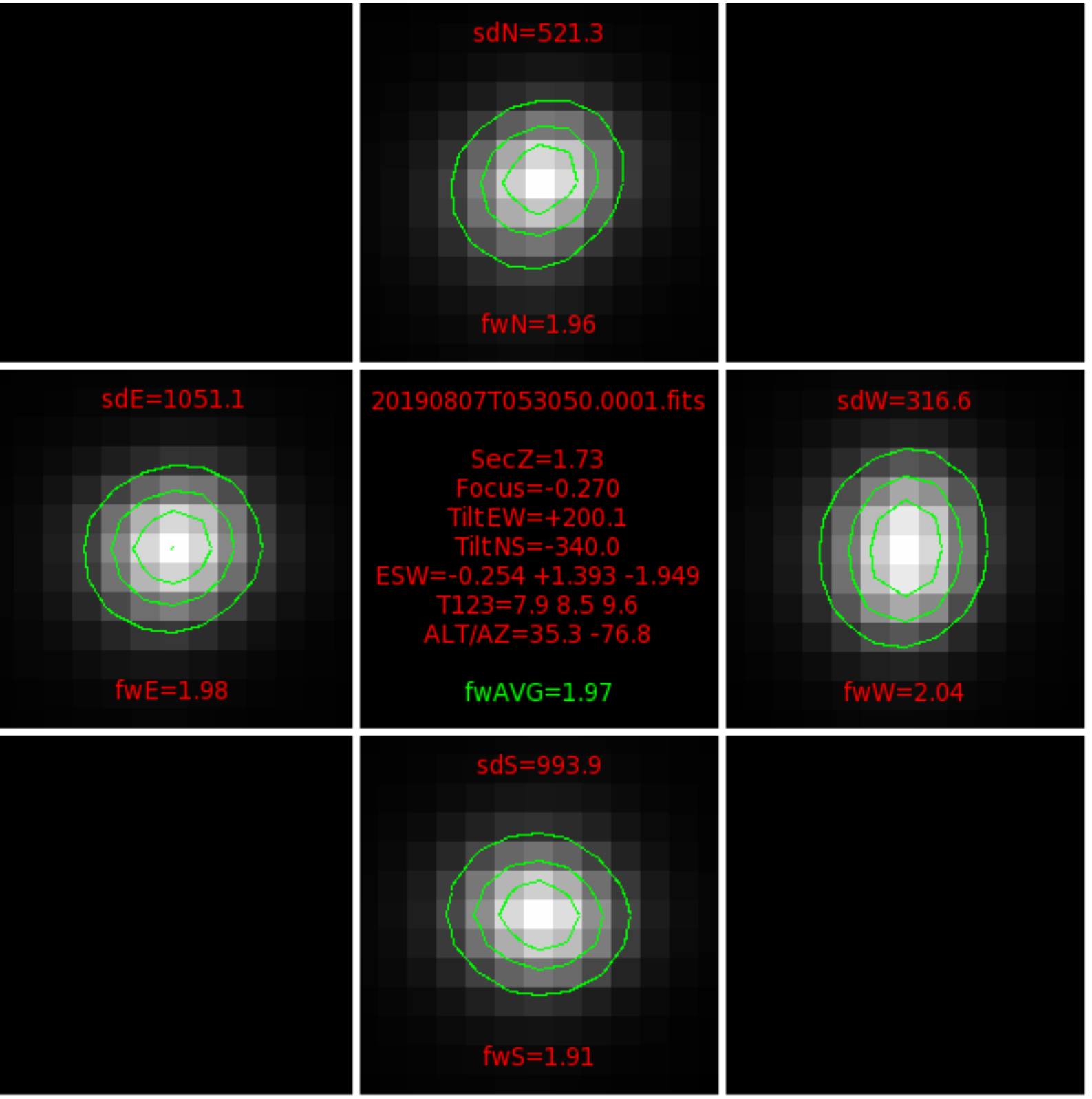
sdN=521.3
fwN=1.96
sdE=1051.1
fwE=1.98
20190807T053050.0001.fits
SecZ=1.73
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.9 8.5 9.6
ALT/AZ=35.3 -76.8
fwAVG=1.97
sdW=316.6
fwW=2.04
sdS=993.9
fwS=1.91
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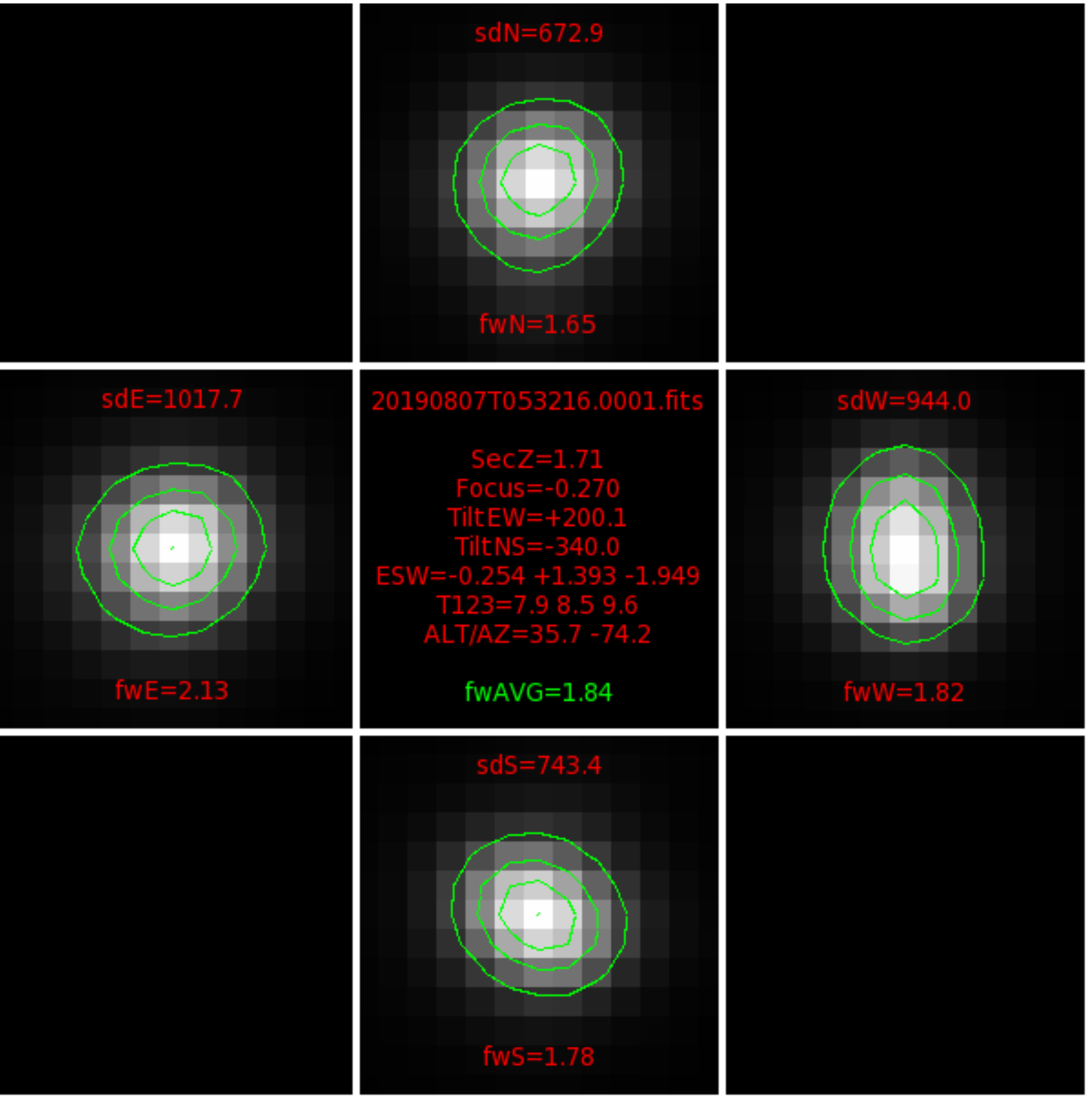
sdN=672.9
fwN=1.65
sdE=1017.7
fwE=2.13
20190807T053216.0001.fits
SecZ=1.71
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.9 8.5 9.6
ALT/AZ=35.7 -74.2
fwAVG=1.84
sdW=944.0
fwW=1.82
sdS=743.4
fwS=1.78
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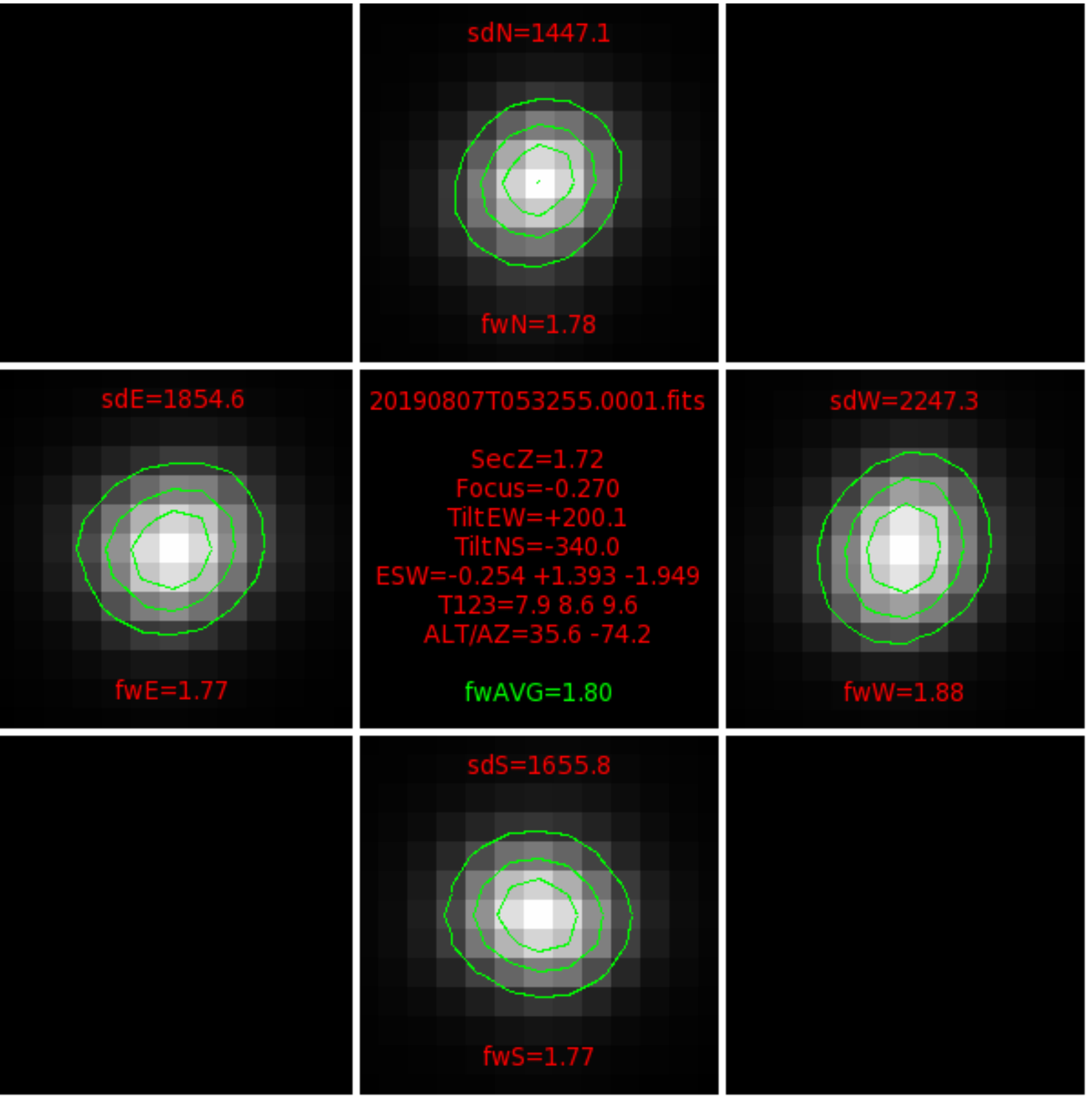
sdN=1447.1
fwN=1.78
sdE=1854.6
fwE=1.77
20190807T053255.0001.fits
SecZ=1.72
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.9 8.6 9.6
ALT/AZ=35.6 -74.2
fwAVG=1.80
sdW=2247.3
fwW=1.88
sdS=1655.8
fwS=1.77
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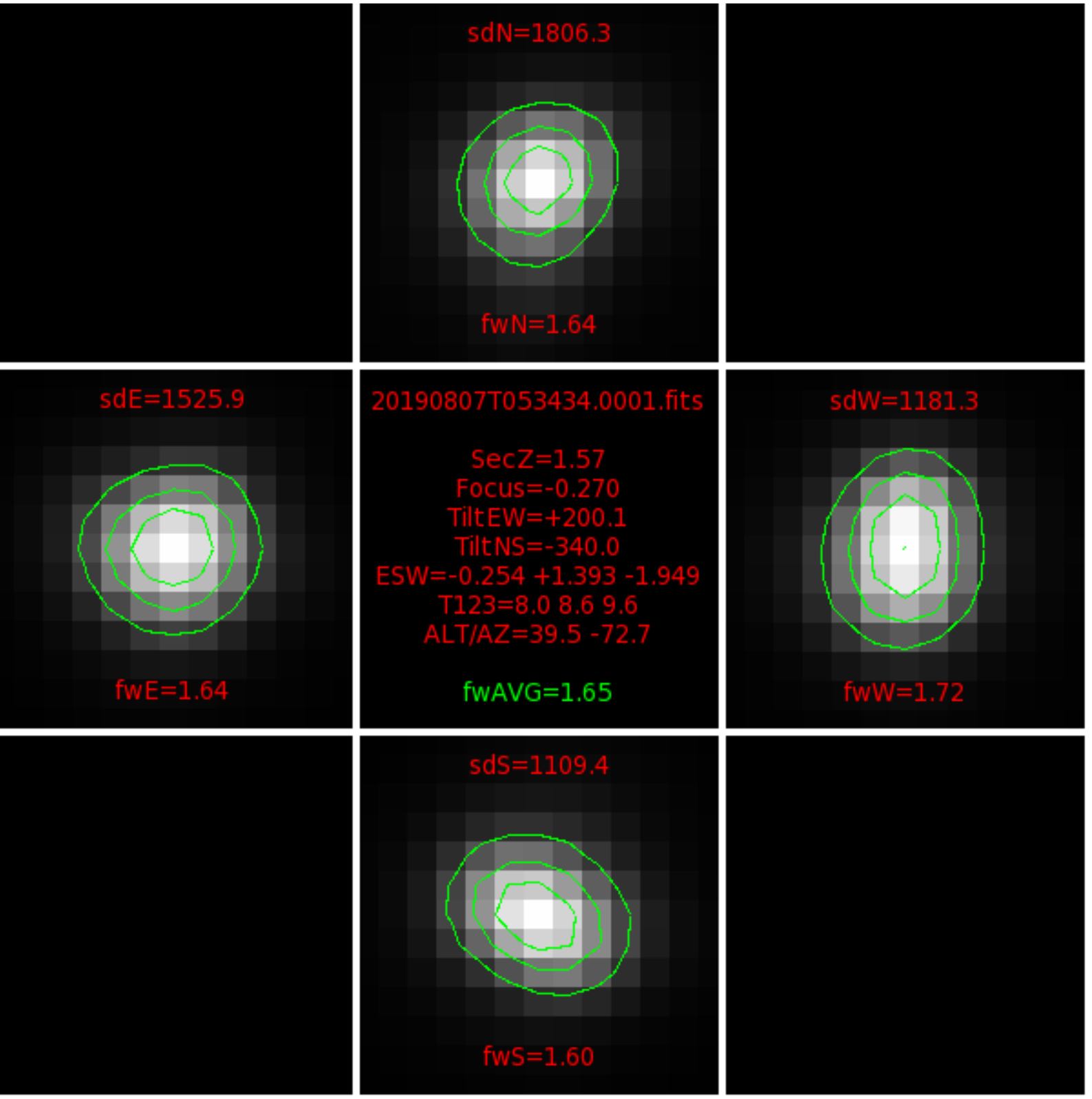
sdN=1806.3
fwN=1.64
sdE=1525.9
fwE=1.64
20190807T053434.0001.fits
SecZ=1.57
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=39.5 -72.7
fwAVG=1.65
sdW=1181.3
fwW=1.72
sdS=1109.4
fwS=1.60
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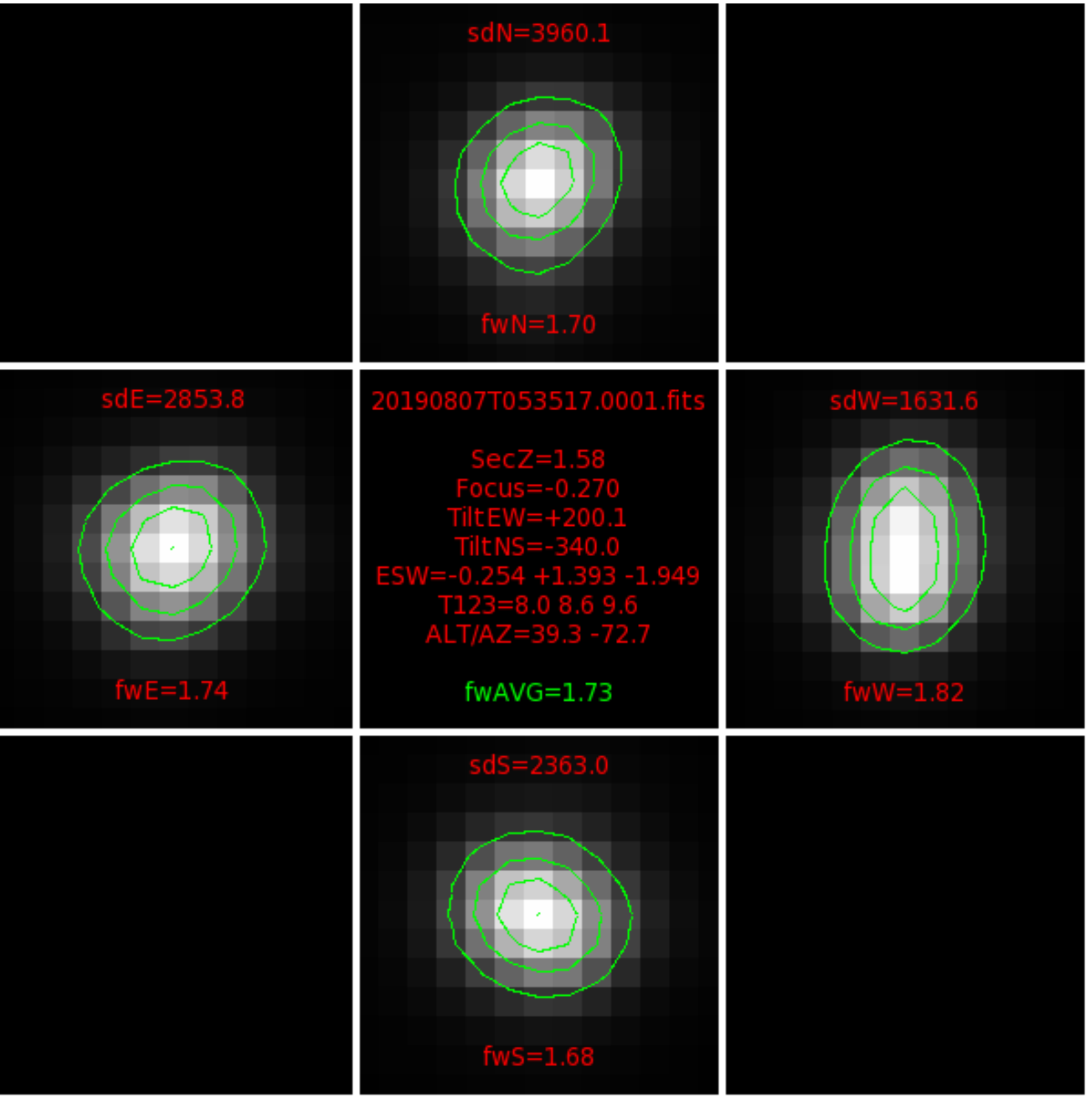
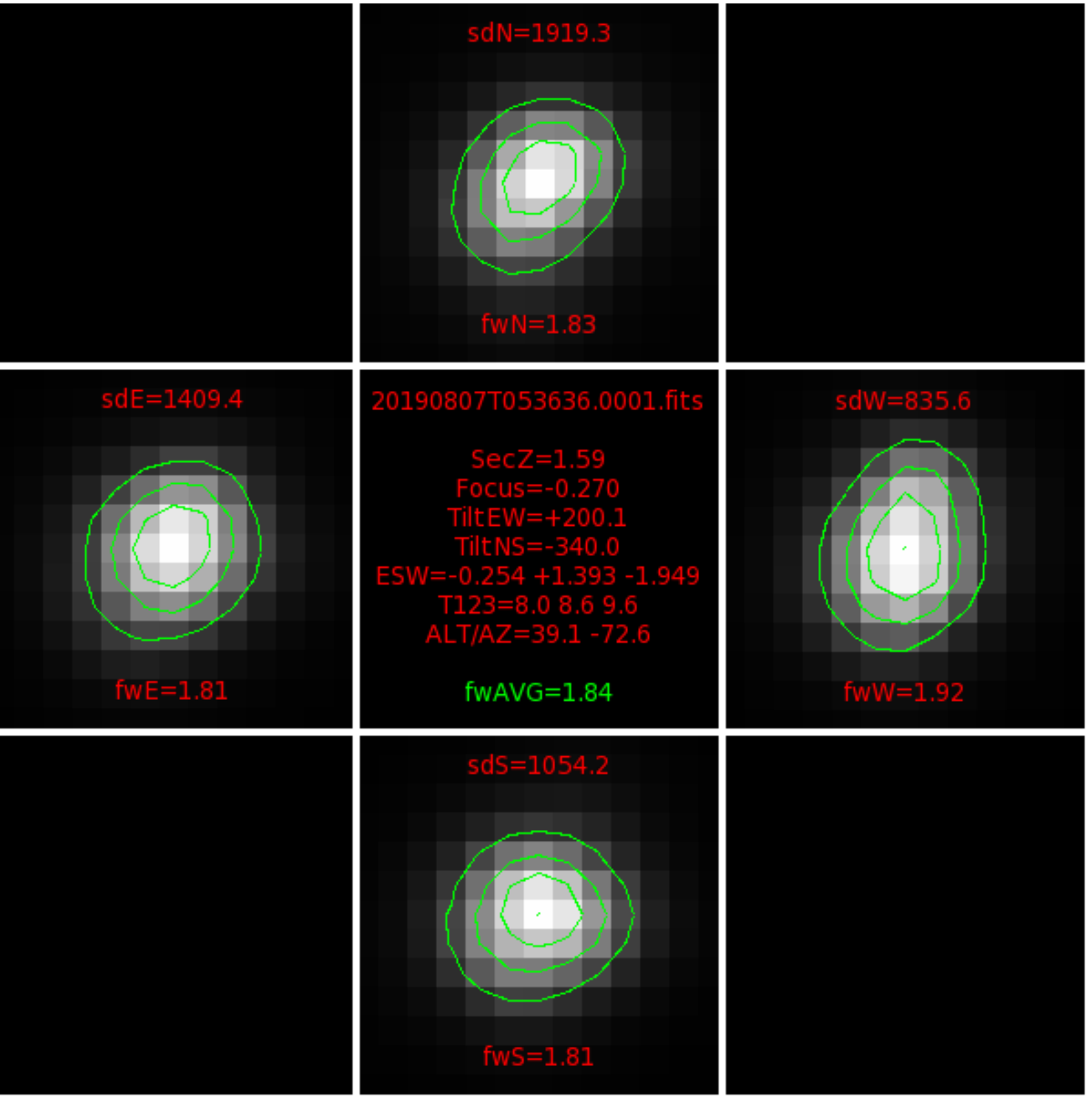

sdN=3960.1
fwN=1.70
sdE=2853.8
fwE=1.74
20190807T053517.0001.fits
SecZ=1.58
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=39.3 -72.7
fwAVG=1.73
sdW=1631.6
fwW=1.82
sdS=2363.0
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=1919.3
fwN=1.83
sdE=1409.4
fwE=1.81
20190807T053636.0001.fits
SecZ=1.59
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=39.1 -72.6
fwAVG=1.84
sdW=835.6
fwW=1.92
sdS=1054.2
fwS=1.81
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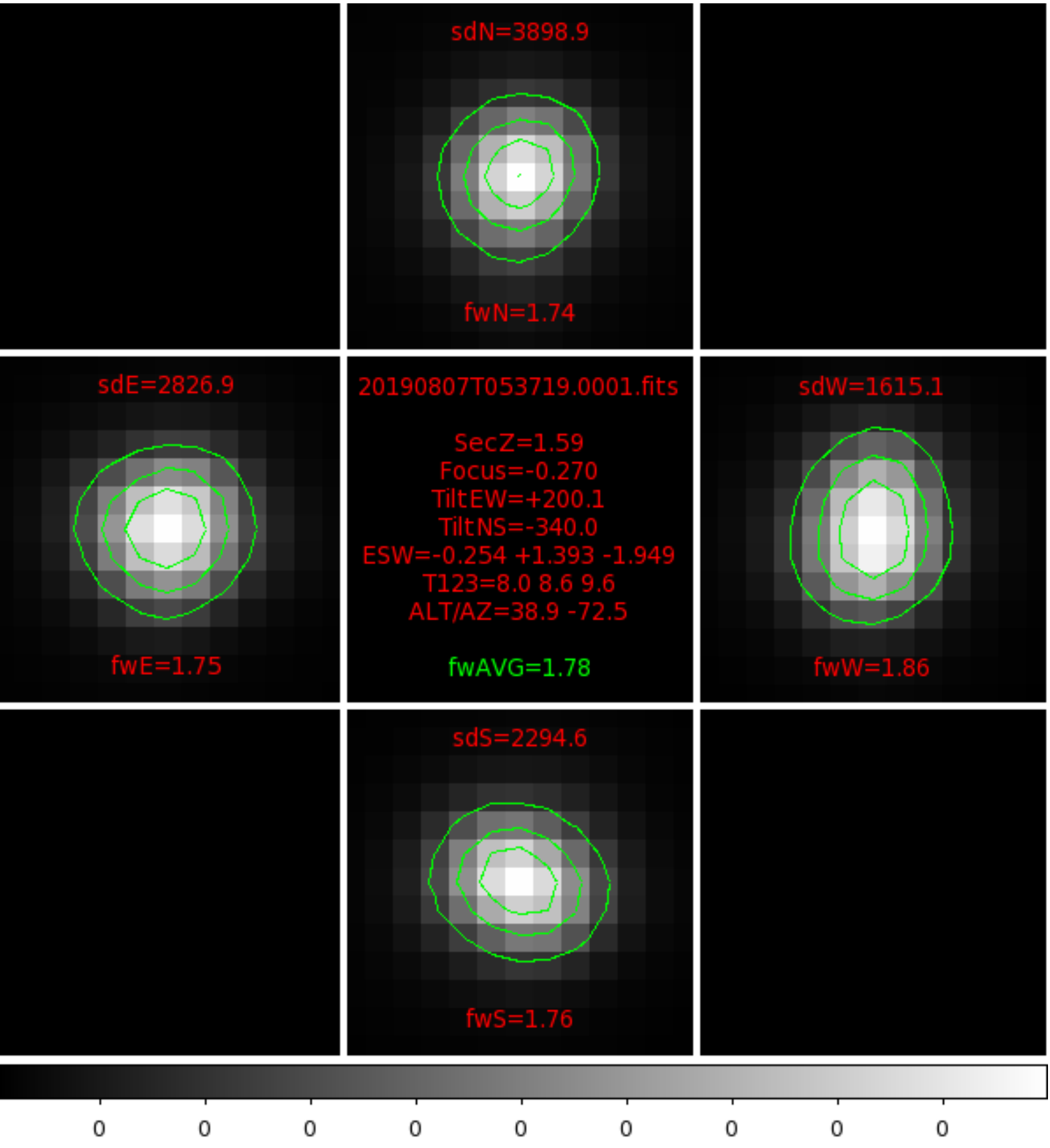
sdN=3898.9
fwN=1.74
sdE=2826.9
fwE=1.75
20190807T053719.0001.fits
SecZ=1.59
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=38.9 -72.5
fwAVG=1.78
sdW=1615.1
fwW=1.86
sdS=2294.6
fwS=1.76
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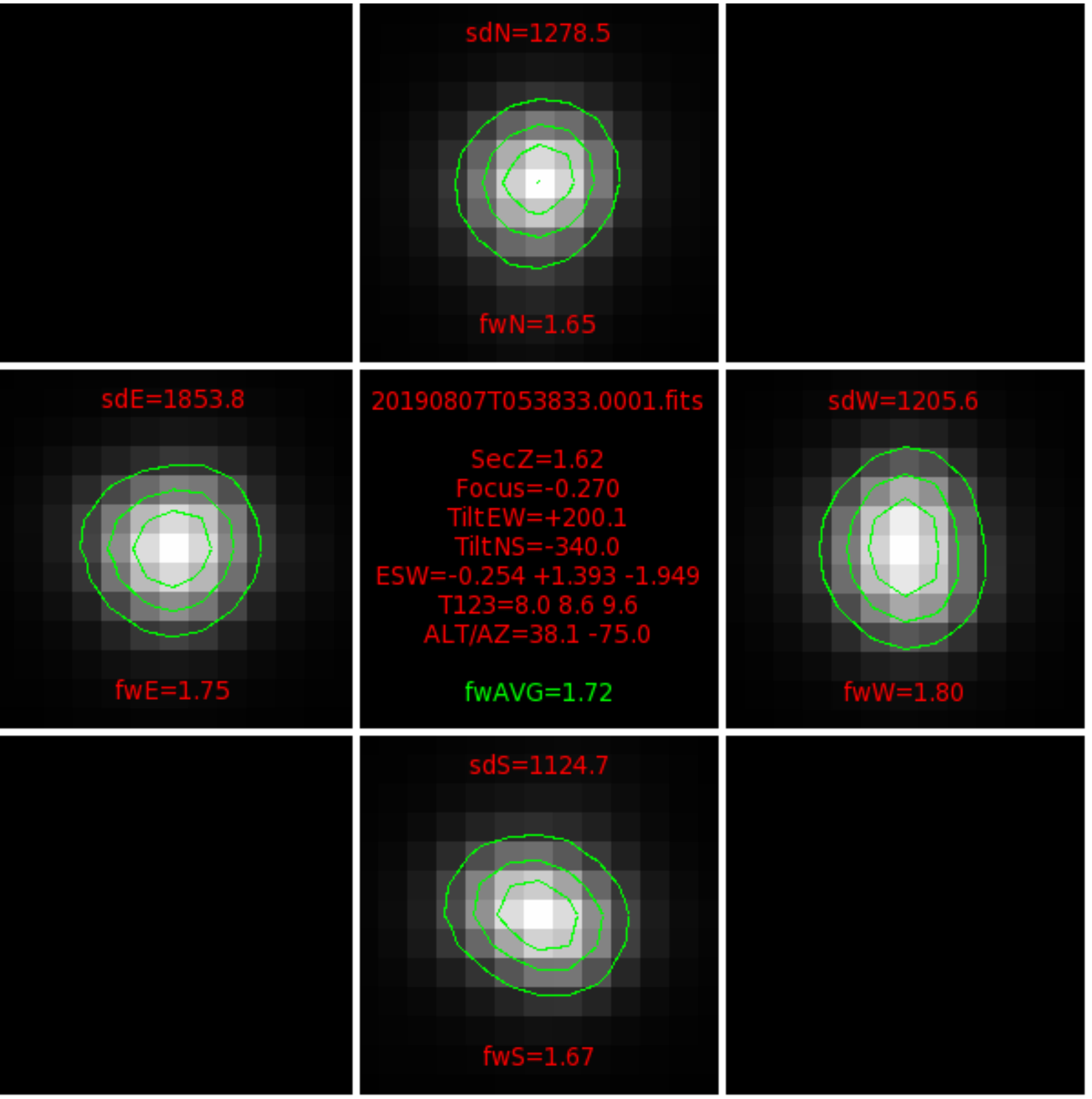
sdN=1278.5
fwN=1.65
sdE=1853.8
fwE=1.75
20190807T053833.0001.fits
SecZ=1.62
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=38.1 -75.0
fwAVG=1.72
sdW=1205.6
fwW=1.80
sdS=1124.7
fwS=1.67
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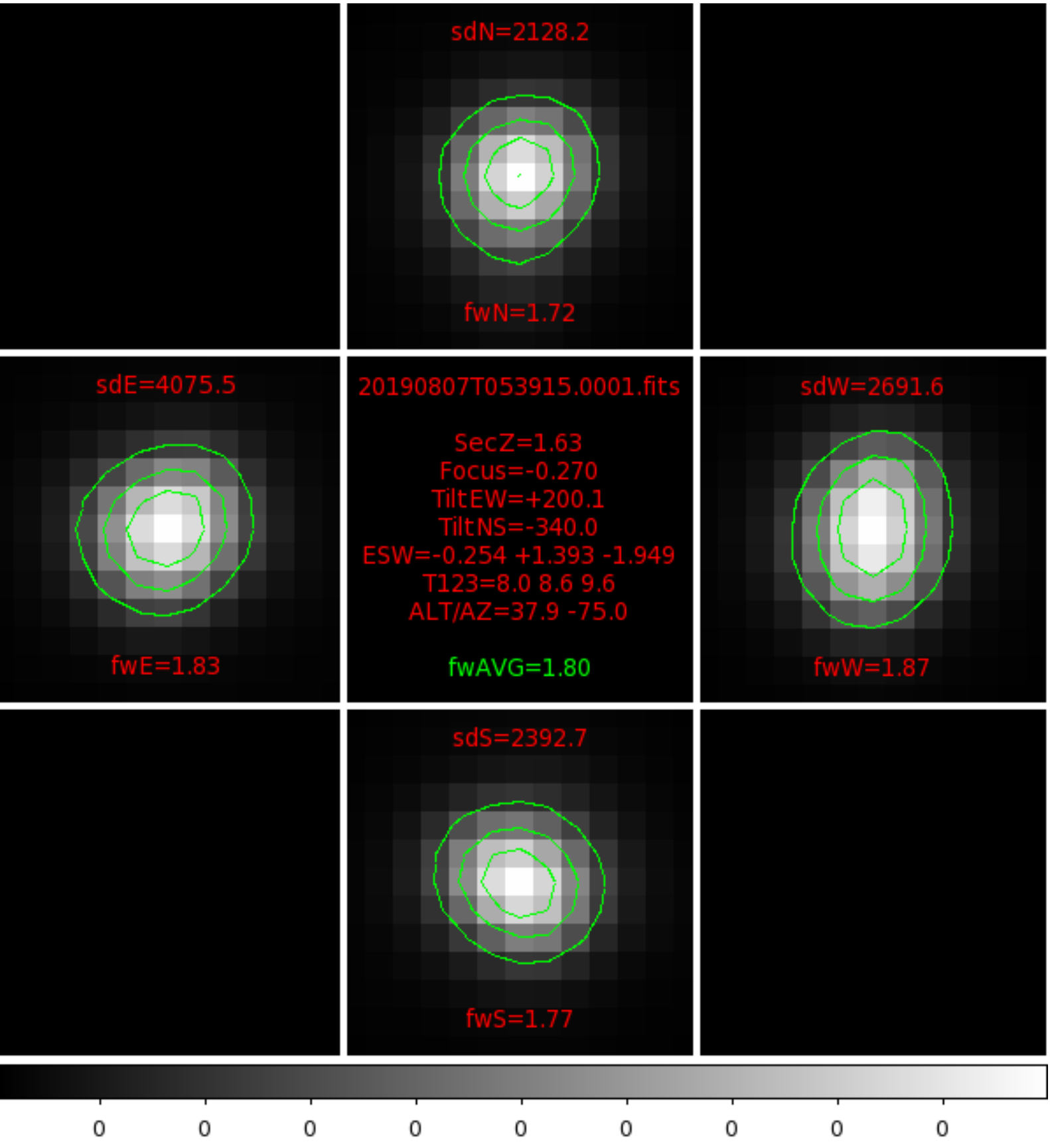
sdN=2128.2
fwN=1.72
sdE=4075.5
fwE=1.83
20190807T053915.0001.fits
SecZ=1.63
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=37.9 -75.0
fwAVG=1.80
sdW=2691.6
fwW=1.87
sdS=2392.7
fwS=1.77
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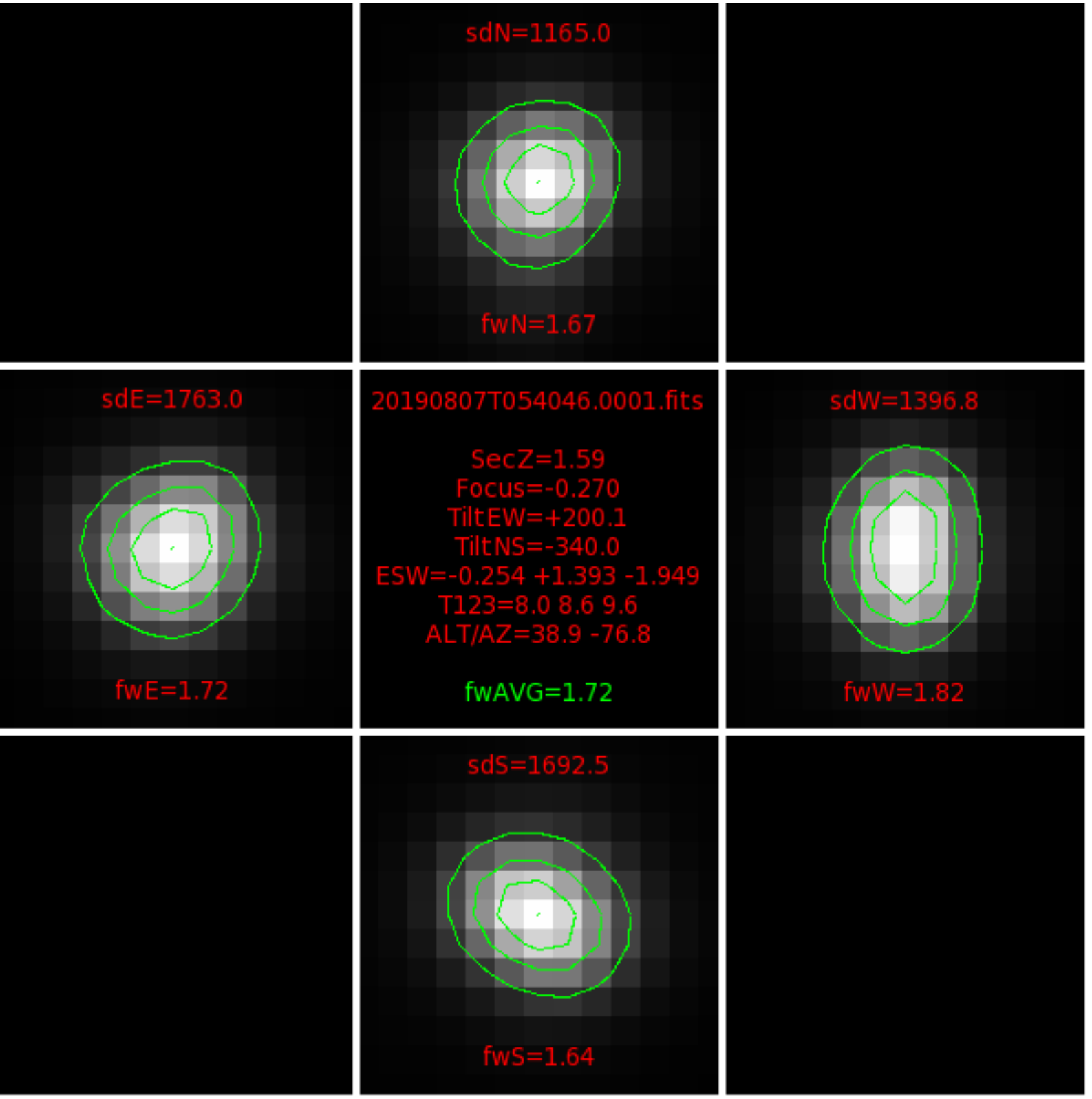
sdN=1165.0
fwN=1.67
sdE=1763.0
fwE=1.72
20190807T054046.0001.fits
SecZ=1.59
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=38.9 -76.8
fwAVG=1.72
sdW=1396.8
fwW=1.82
sdS=1692.5
fwS=1.64
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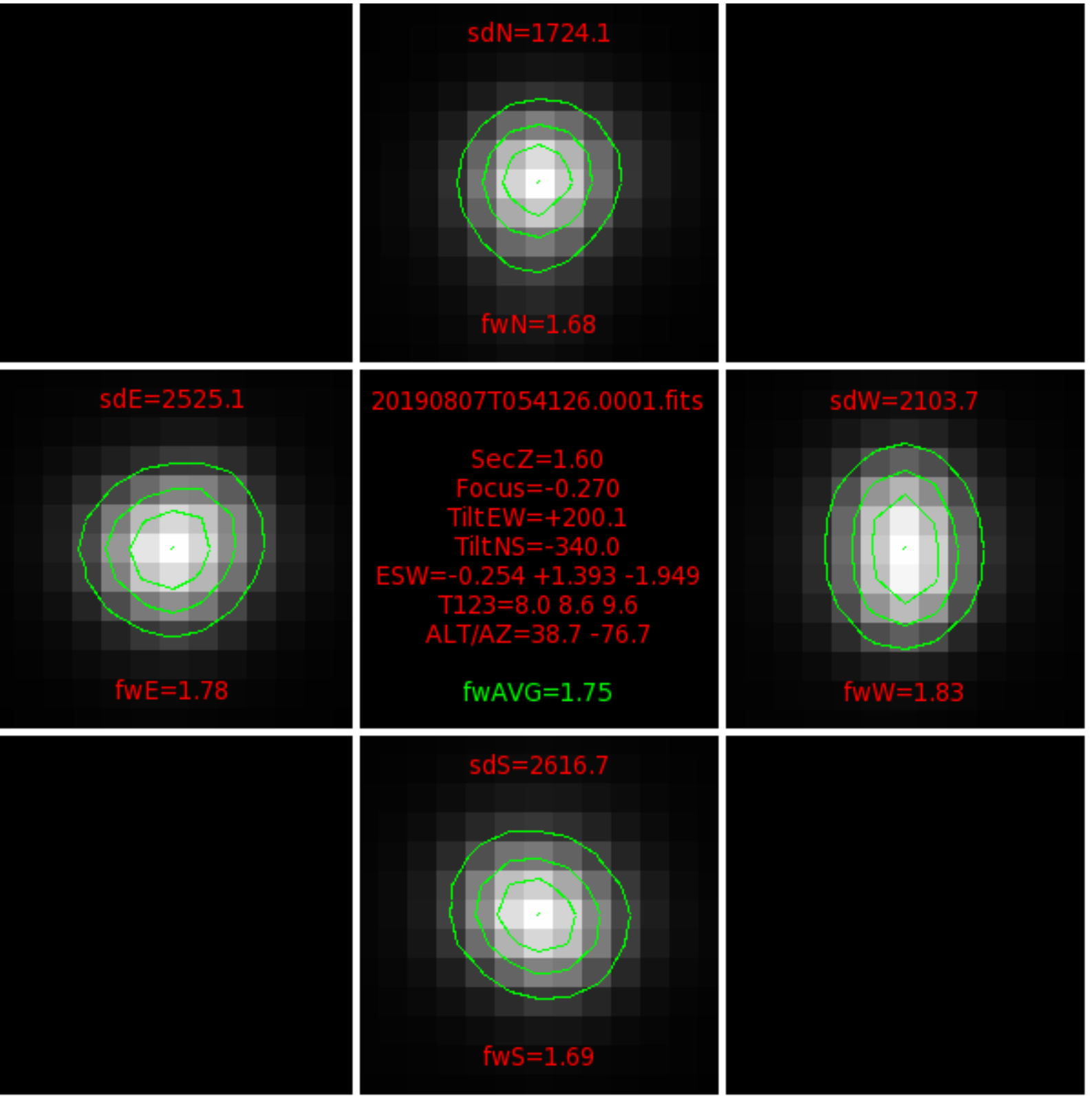
sdN=1724.1
fwN=1.68
sdE=2525.1
fwE=1.78
20190807T054126.0001.fits
SecZ=1.60
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=38.7 -76.7
fwAVG=1.75
sdW=2103.7
fwW=1.83
sdS=2616.7
fwS=1.69
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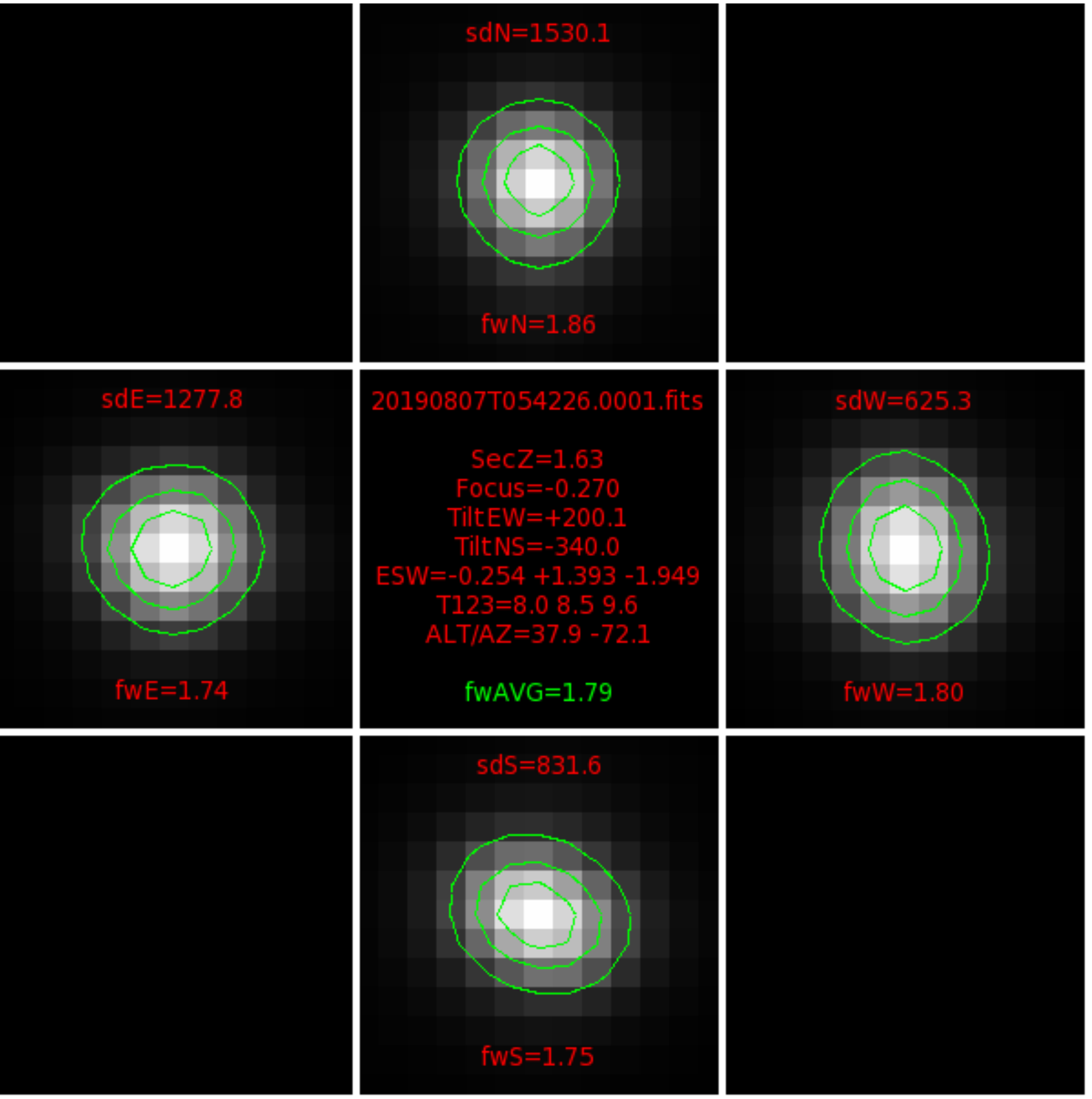
sdN=1530.1
fwN=1.86
sdE=1277.8
fwE=1.74
20190807T054226.0001.fits
SecZ=1.63
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=37.9 -72.1
fwAVG=1.79
sdW=625.3
fwW=1.80
sdS=831.6
fwS=1.75
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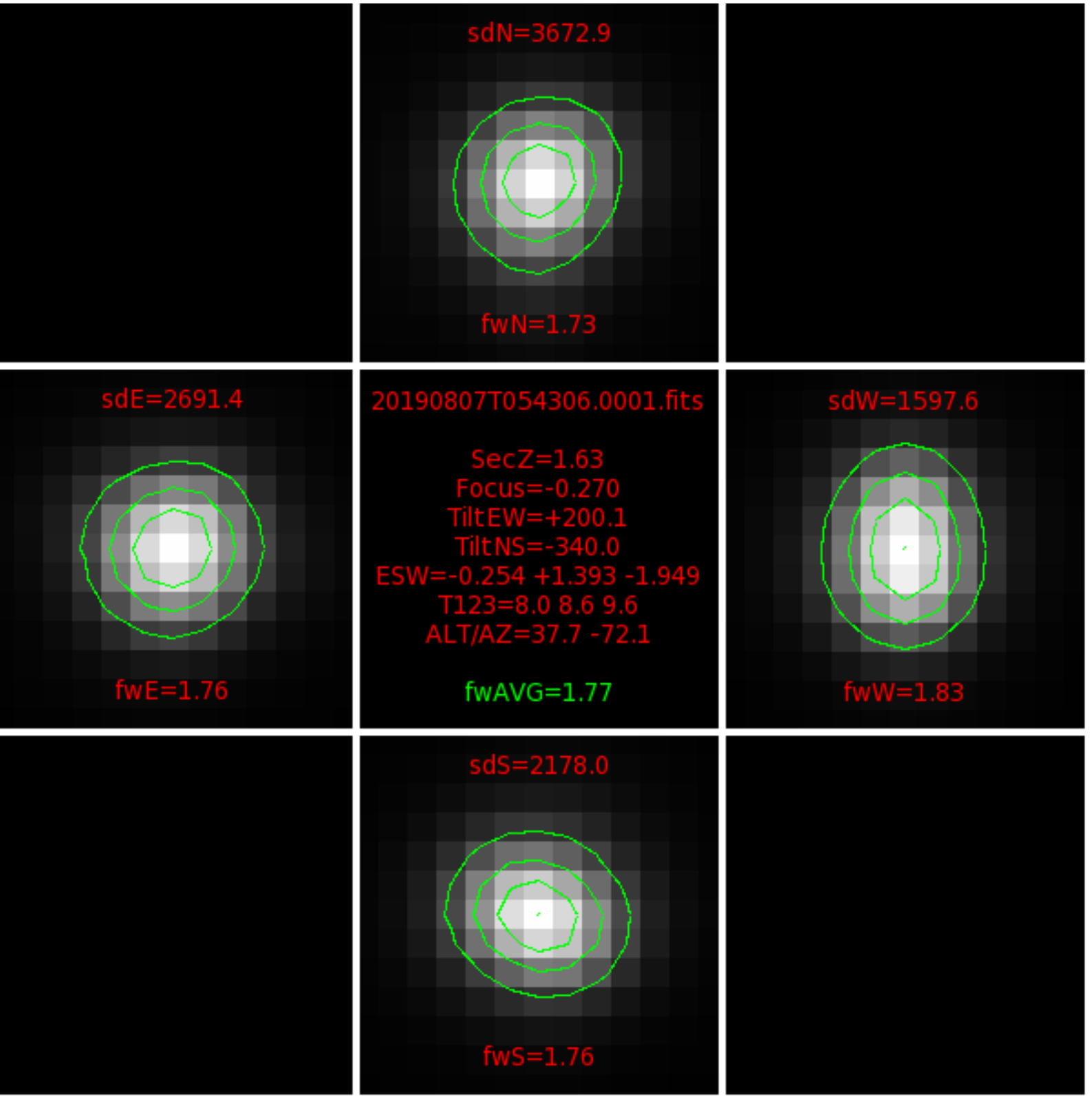
sdN=3672.9
fwN=1.73
sdE=2691.4
fwE=1.76
20190807T054306.0001.fits
SecZ=1.63
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=37.7 -72.1
fwAVG=1.77
sdW=1597.6
fwW=1.83
sdS=2178.0
fwS=1.76
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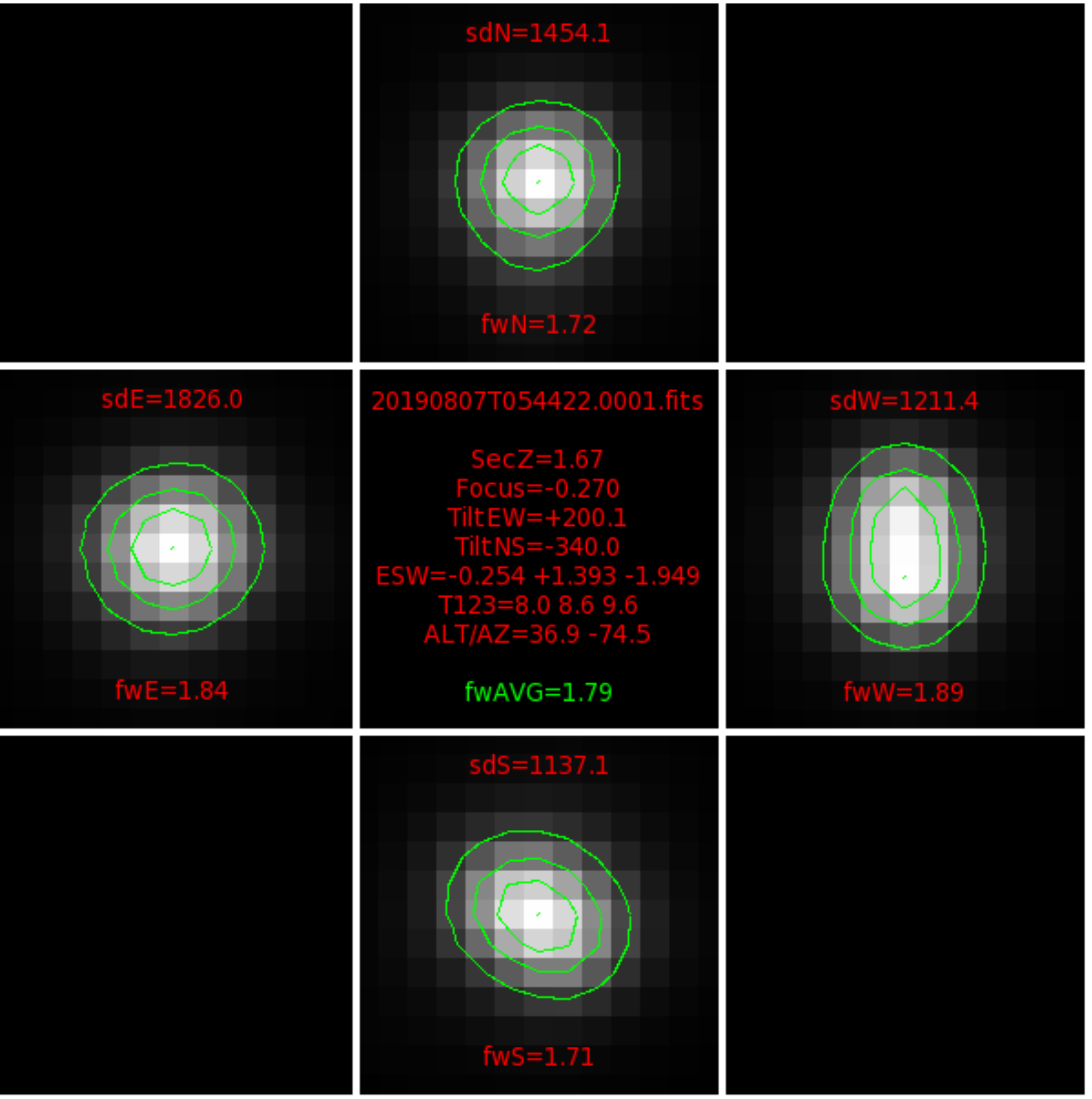
sdN=1454.1
fwN=1.72
sdE=1826.0
fwE=1.84
20190807T054422.0001.fits
SecZ=1.67
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=36.9 -74.5
fwAVG=1.79
sdW=1211.4
fwW=1.89
sdS=1137.1
fwS=1.71
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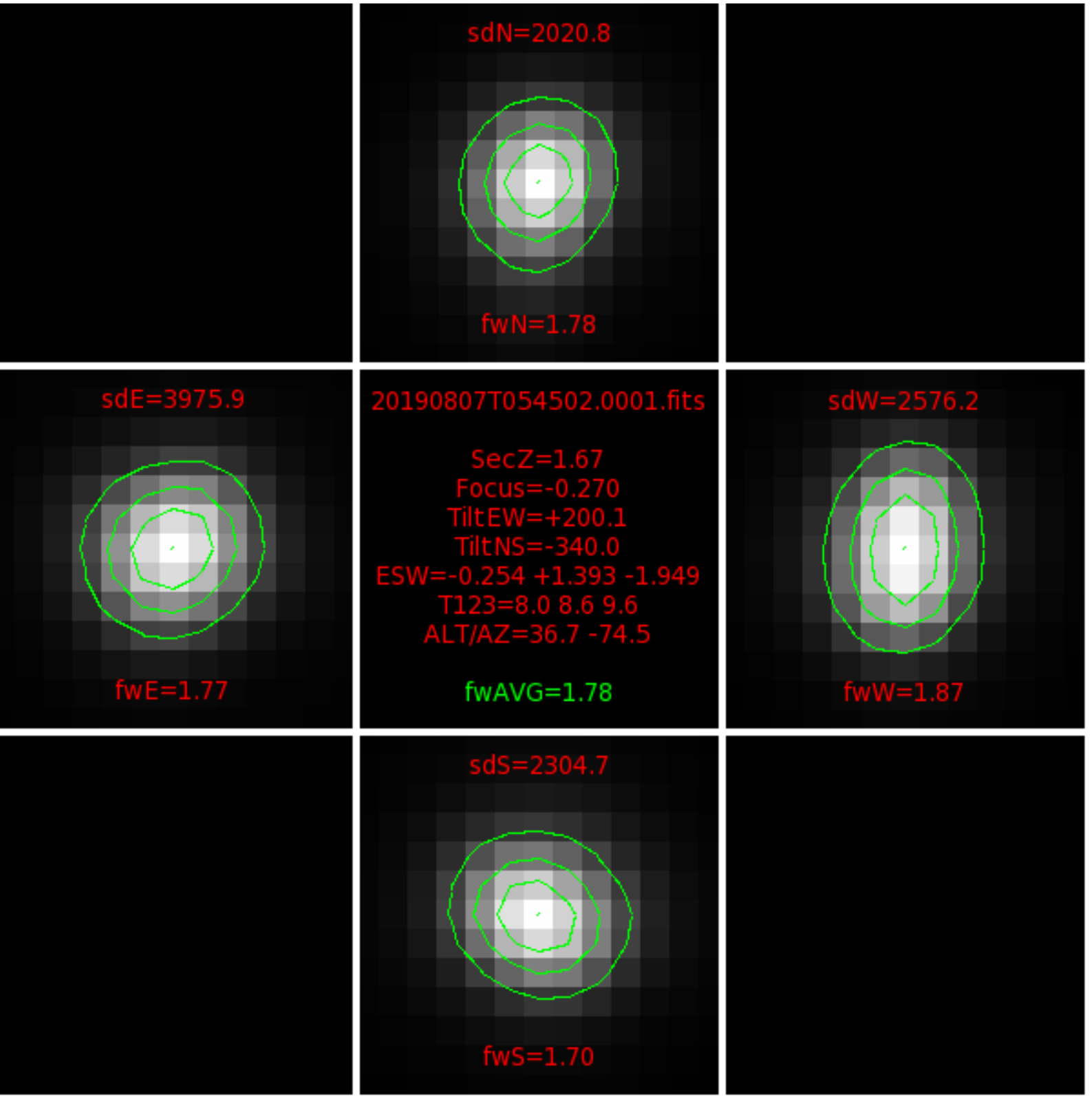
sdN=2020.8
fwN=1.78
sdE=3975.9
fwE=1.77
20190807T054502.0001.fits
SecZ=1.67
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=36.7 -74.5
fwAVG=1.78
sdW=2576.2
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sdS=2304.7
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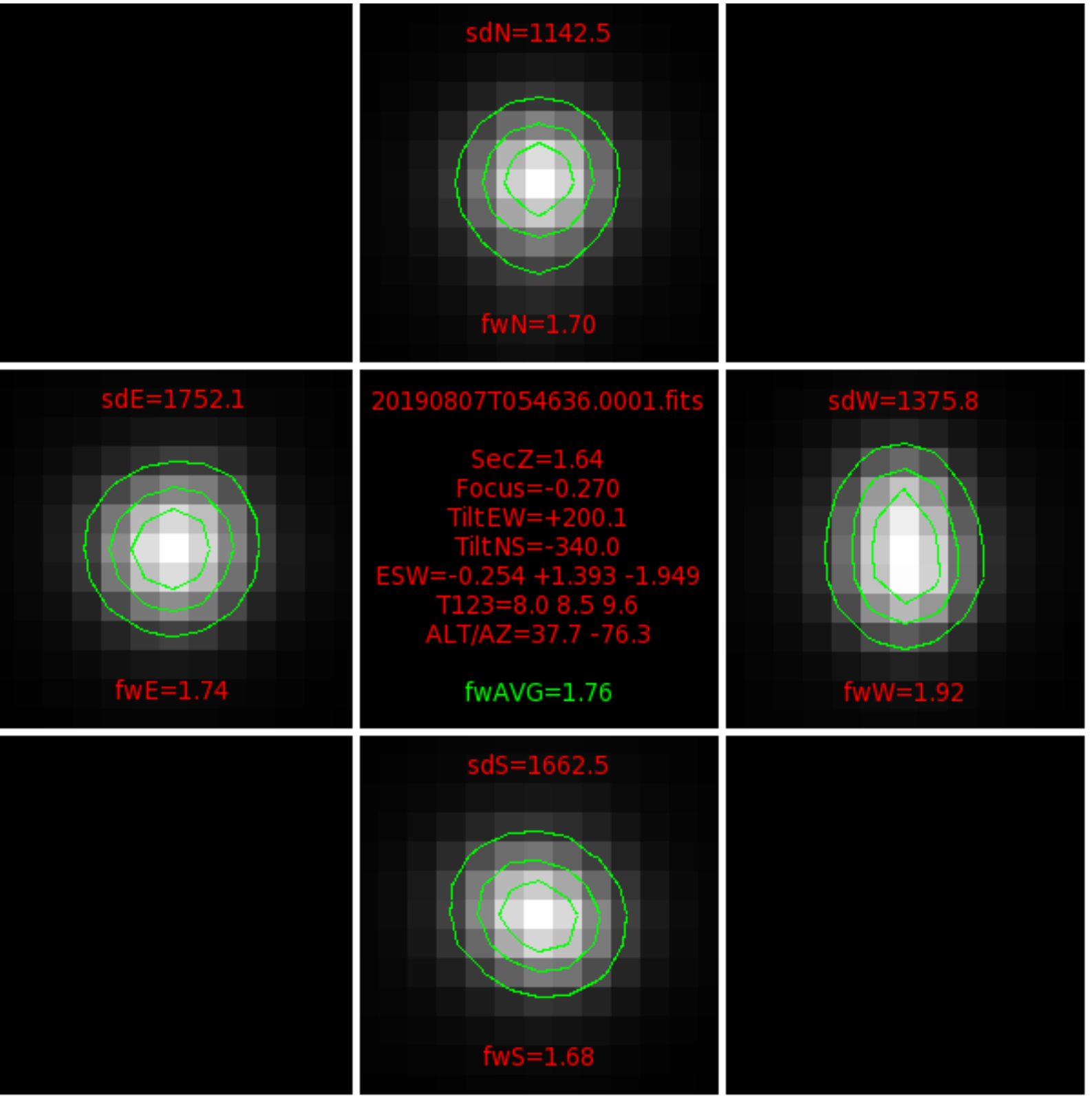
sdN=1142.5
fwN=1.70
sdE=1752.1
fwE=1.74
20190807T054636.0001.fits
SecZ=1.64
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=37.7 -76.3
fwAVG=1.76
sdW=1375.8
fwW=1.92
sdS=1662.5
fwS=1.68
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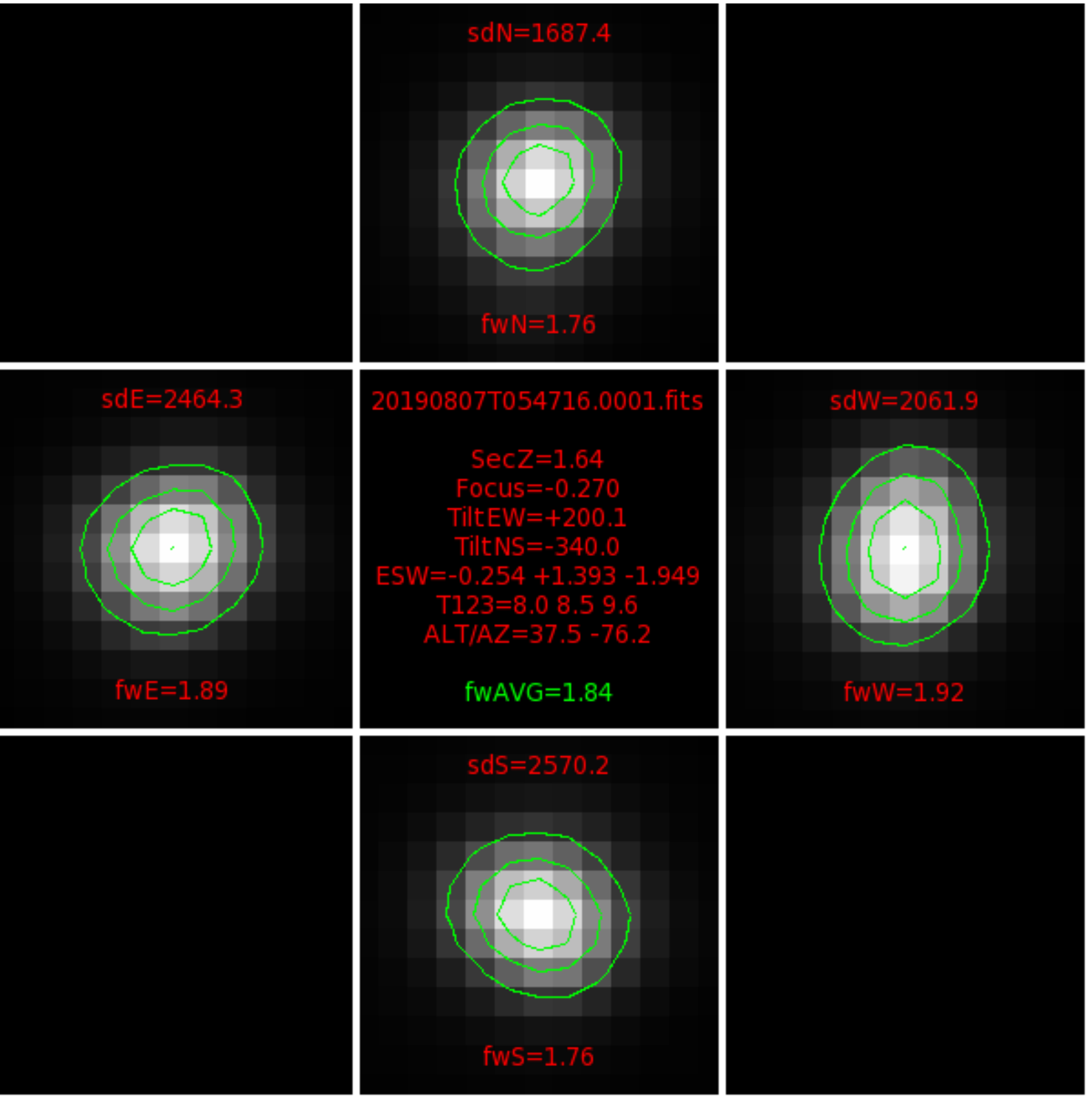
sdN=1687.4
fwN=1.76
sdE=2464.3
fwE=1.89
20190807T054716.0001.fits
SecZ=1.64
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=37.5 -76.2
fwAVG=1.84
sdW=2061.9
fwW=1.92
sdS=2570.2
fwS=1.76
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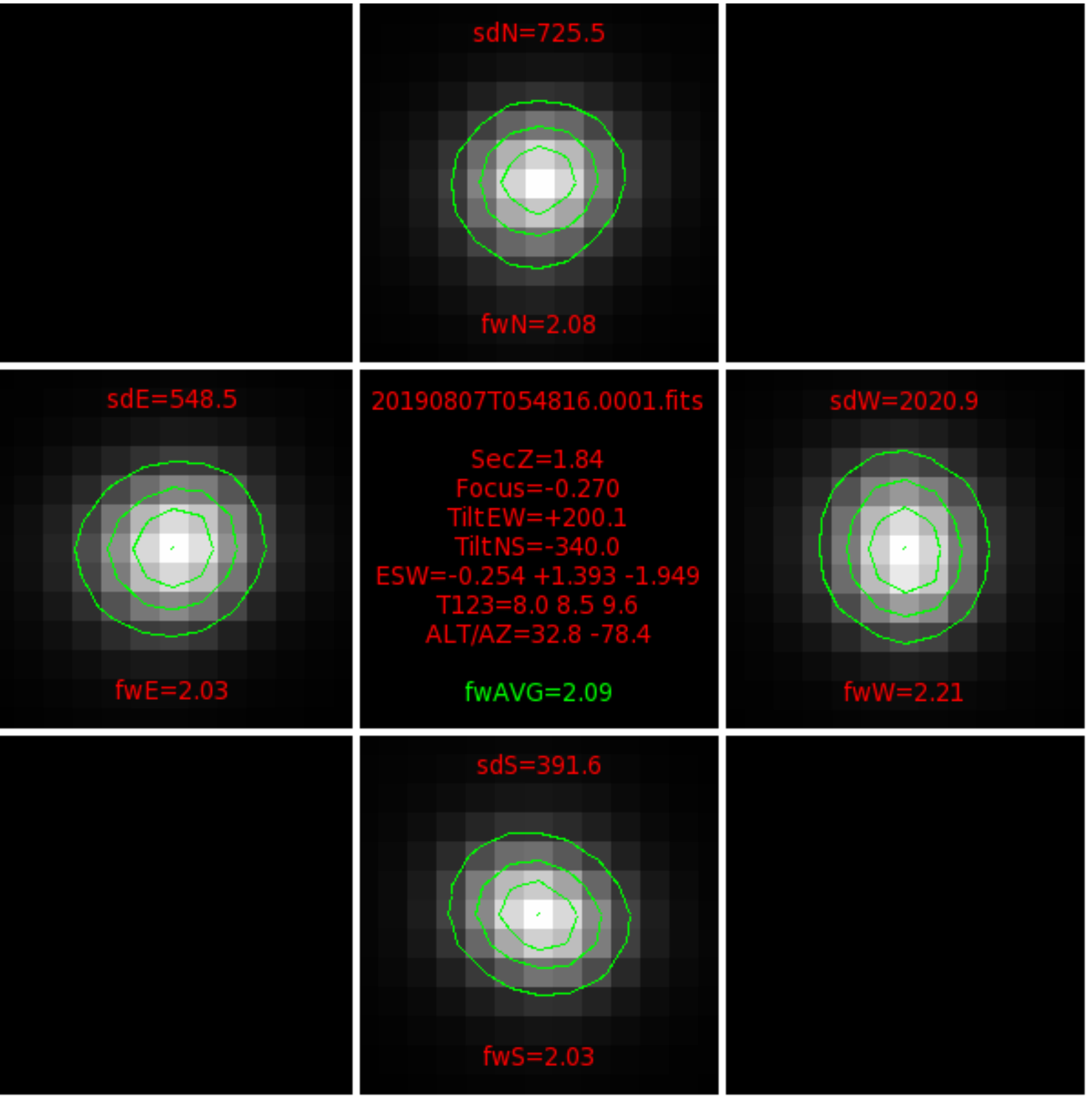
sdN=725.5
fwN=2.08
sdE=548.5
fwE=2.03
20190807T054816.0001.fits
SecZ=1.84
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=32.8 -78.4
fwAVG=2.09
sdW=2020.9
fwW=2.21
sdS=391.6
fwS=2.03
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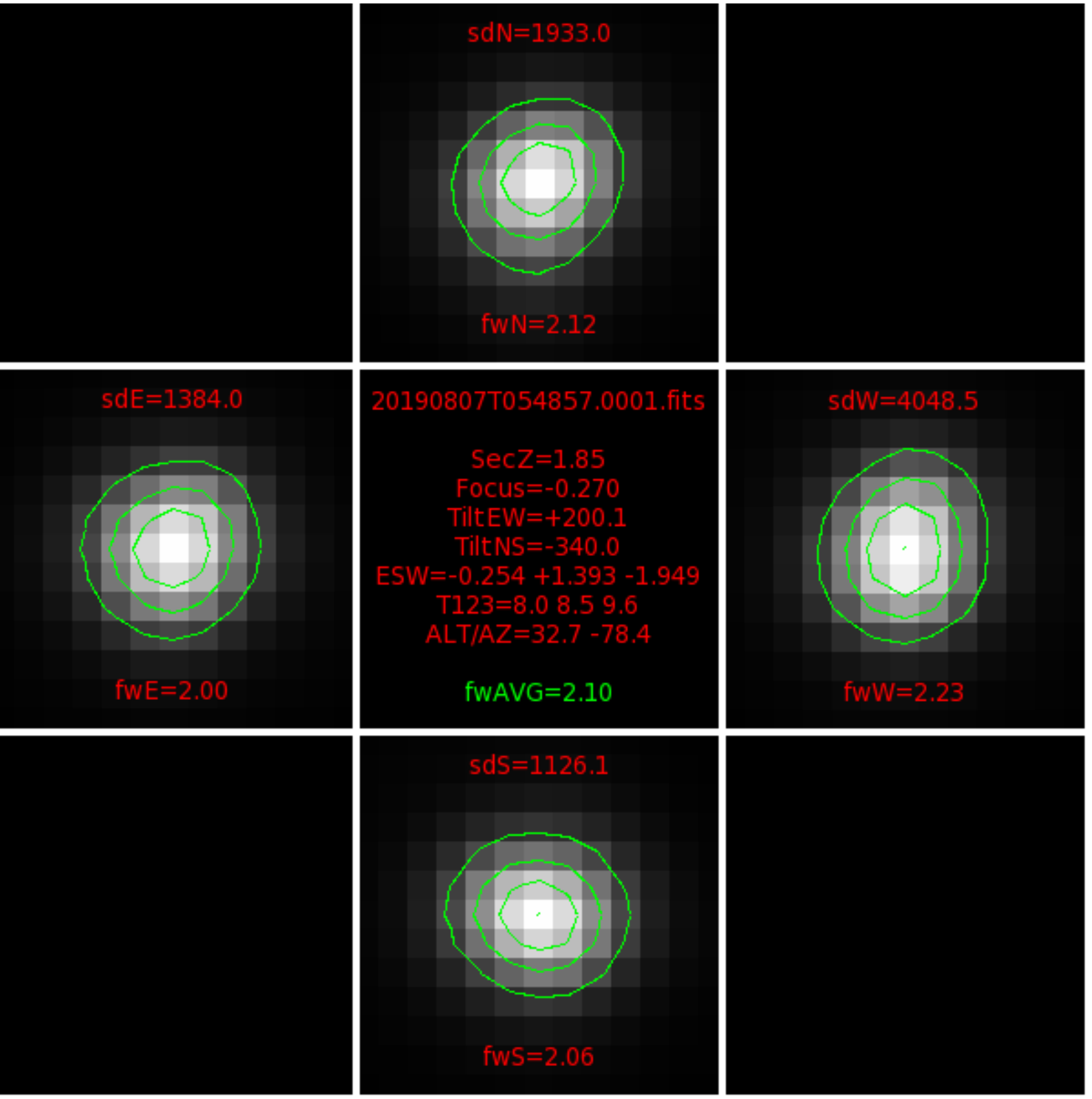
sdN=1933.0
fwN=2.12
sdE=1384.0
fwE=2.00
20190807T054857.0001.fits
SecZ=1.85
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=32.7 -78.4
fwAVG=2.10
sdW=4048.5
fwW=2.23
sdS=1126.1
fwS=2.06
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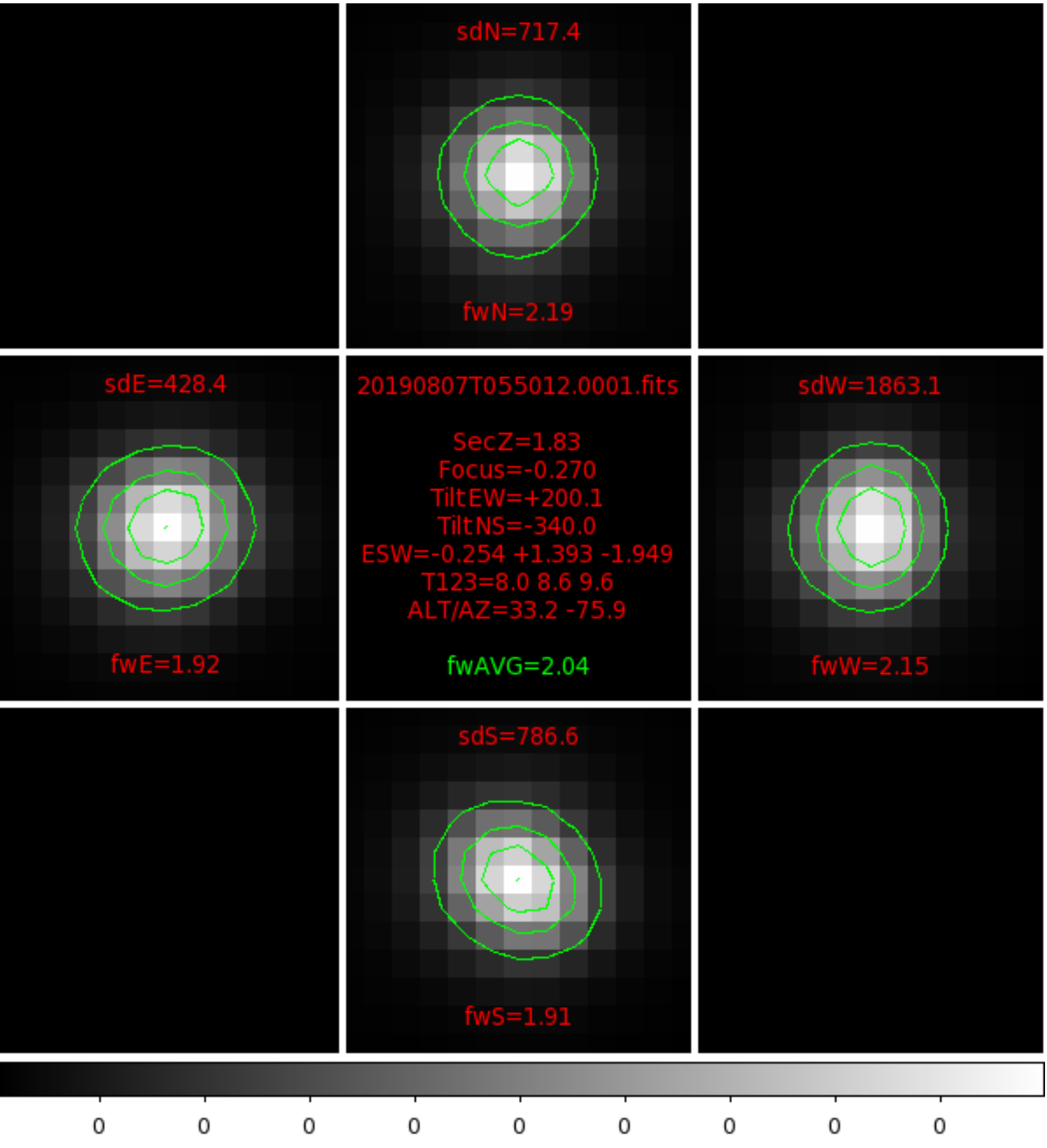
sdN=717.4
fwN=2.19
sdE=428.4
fwE=1.92
20190807T055012.0001.fits
SecZ=1.83
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=33.2 -75.9
fwAVG=2.04
sdW=1863.1
fwW=2.15
sdS=786.6
fwS=1.91
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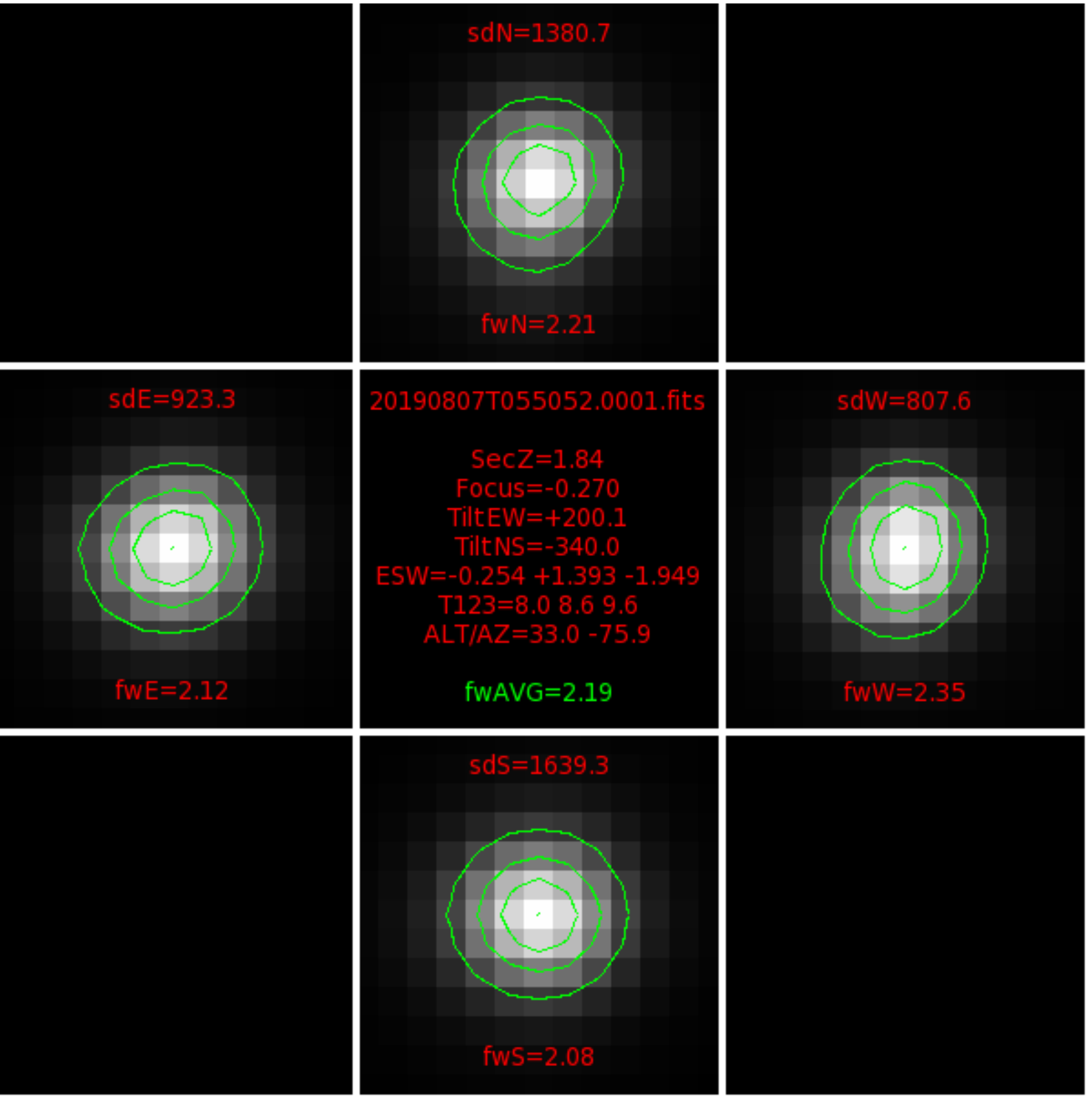
sdN=1380.7
fwN=2.21
sdE=923.3
fwE=2.12
20190807T055052.0001.fits
SecZ=1.84
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.6 9.6
ALT/AZ=33.0 -75.9
fwAVG=2.19
sdW=807.6
fwW=2.35
sdS=1639.3
fwS=2.08
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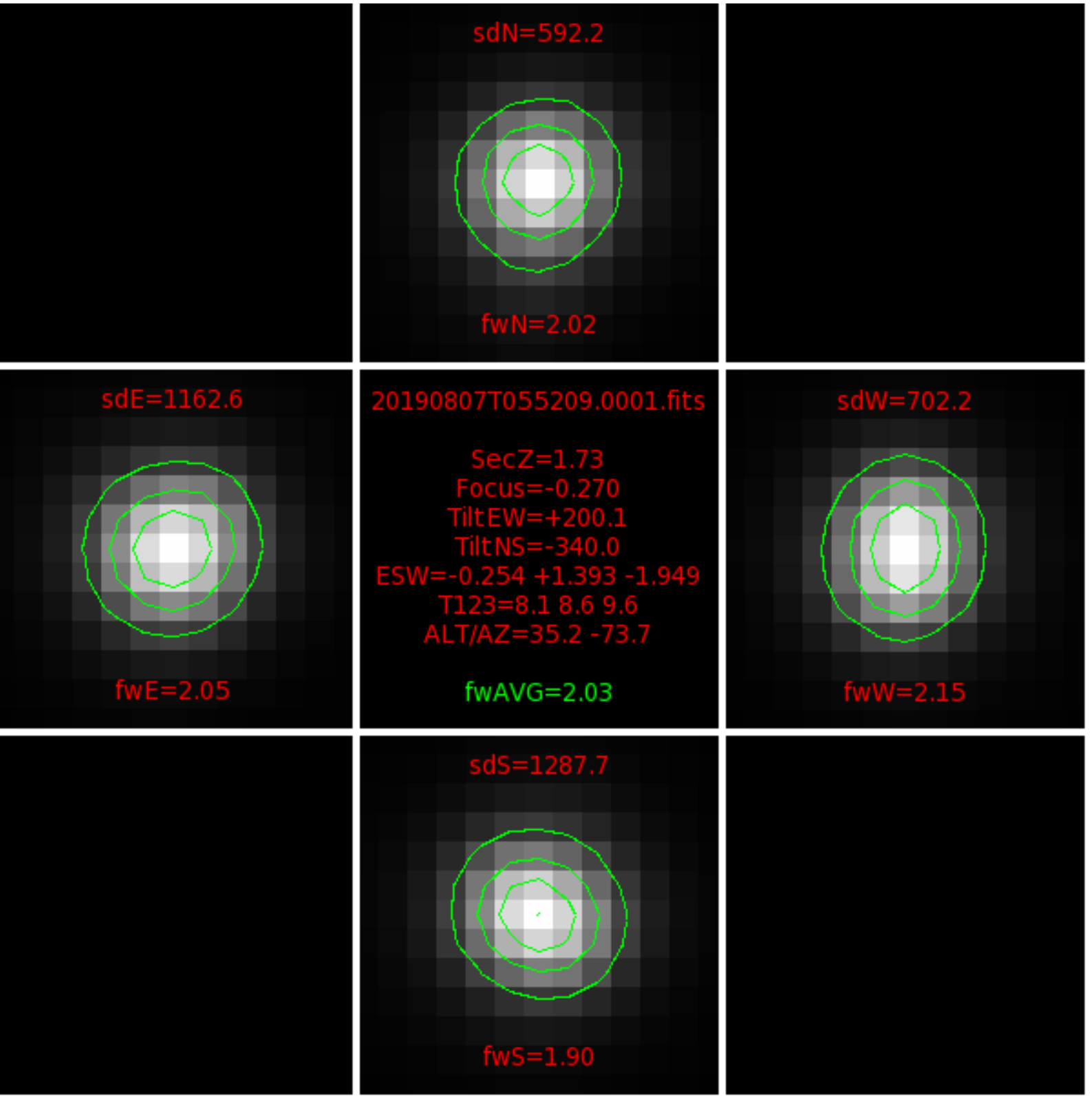
sdN=592.2
fwN=2.02
sdE=1162.6
fwE=2.05
20190807T055209.0001.fits
SecZ=1.73
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.1 8.6 9.6
ALT/AZ=35.2 -73.7
fwAVG=2.03
sdW=702.2
fwW=2.15
sdS=1287.7
fwS=1.90
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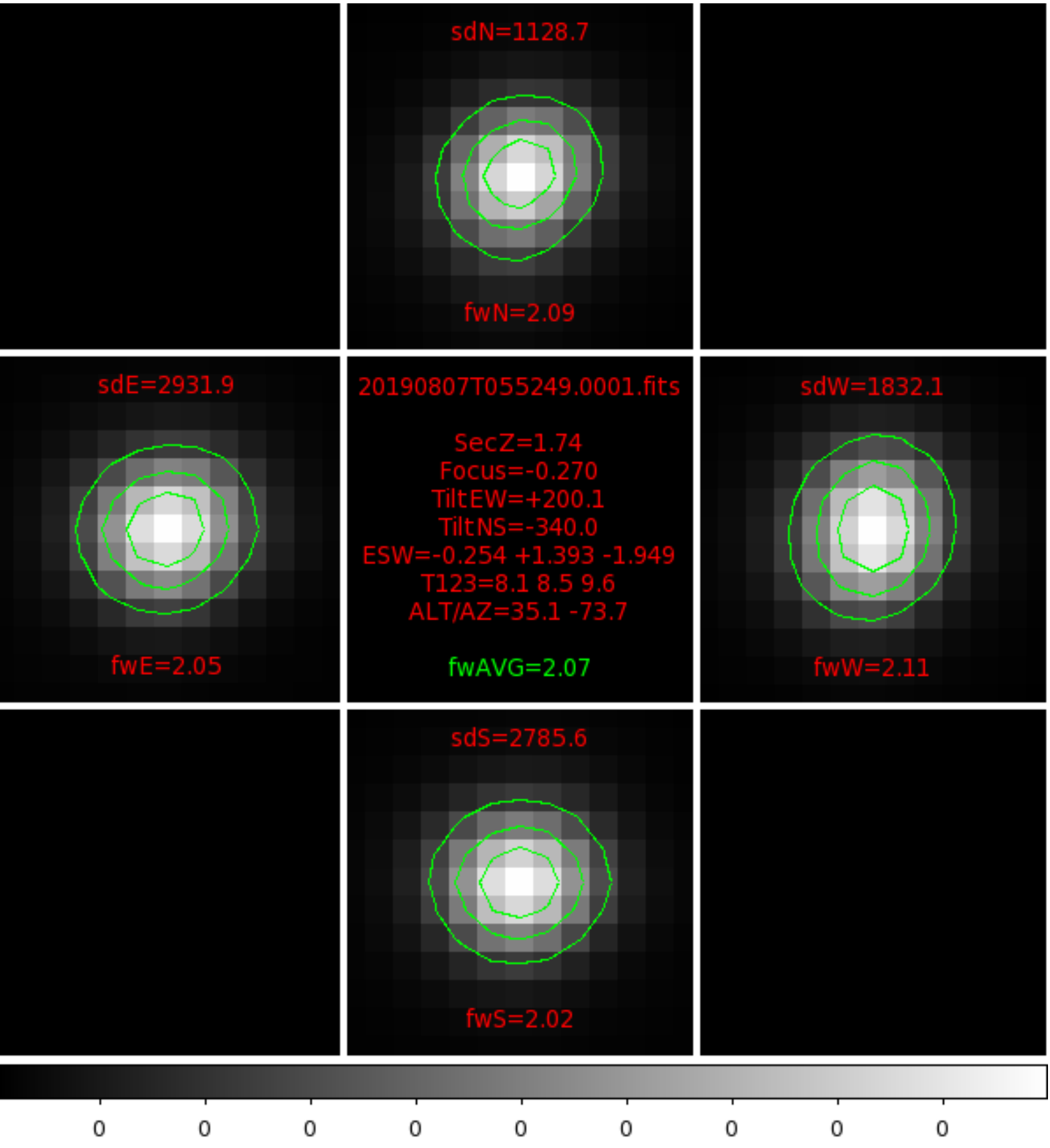
sdN=1128.7
fwN=2.09
sdE=2931.9
fwE=2.05
20190807T055249.0001.fits
SecZ=1.74
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.1 8.5 9.6
ALT/AZ=35.1 -73.7
fwAVG=2.07
sdW=1832.1
fwW=2.11
sdS=2785.6
fwS=2.02
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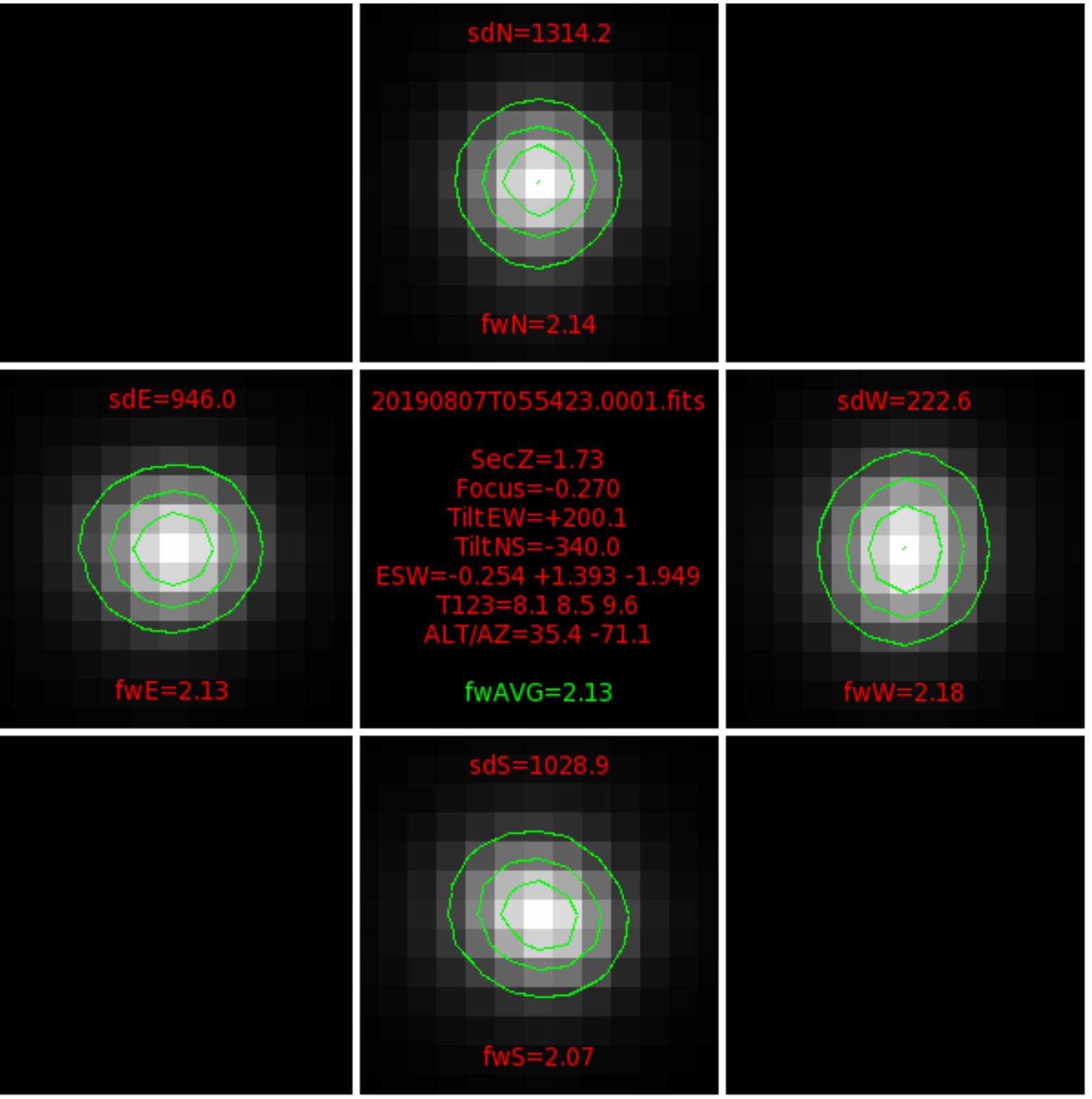
sdN=1314.2
fwN=2.14
sdE=946.0
fwE=2.13
20190807T055423.0001.fits
SecZ=1.73
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.1 8.5 9.6
ALT/AZ=35.4 -71.1
fwAVG=2.13
sdW=222.6
fwW=2.18
sdS=1028.9
fwS=2.07
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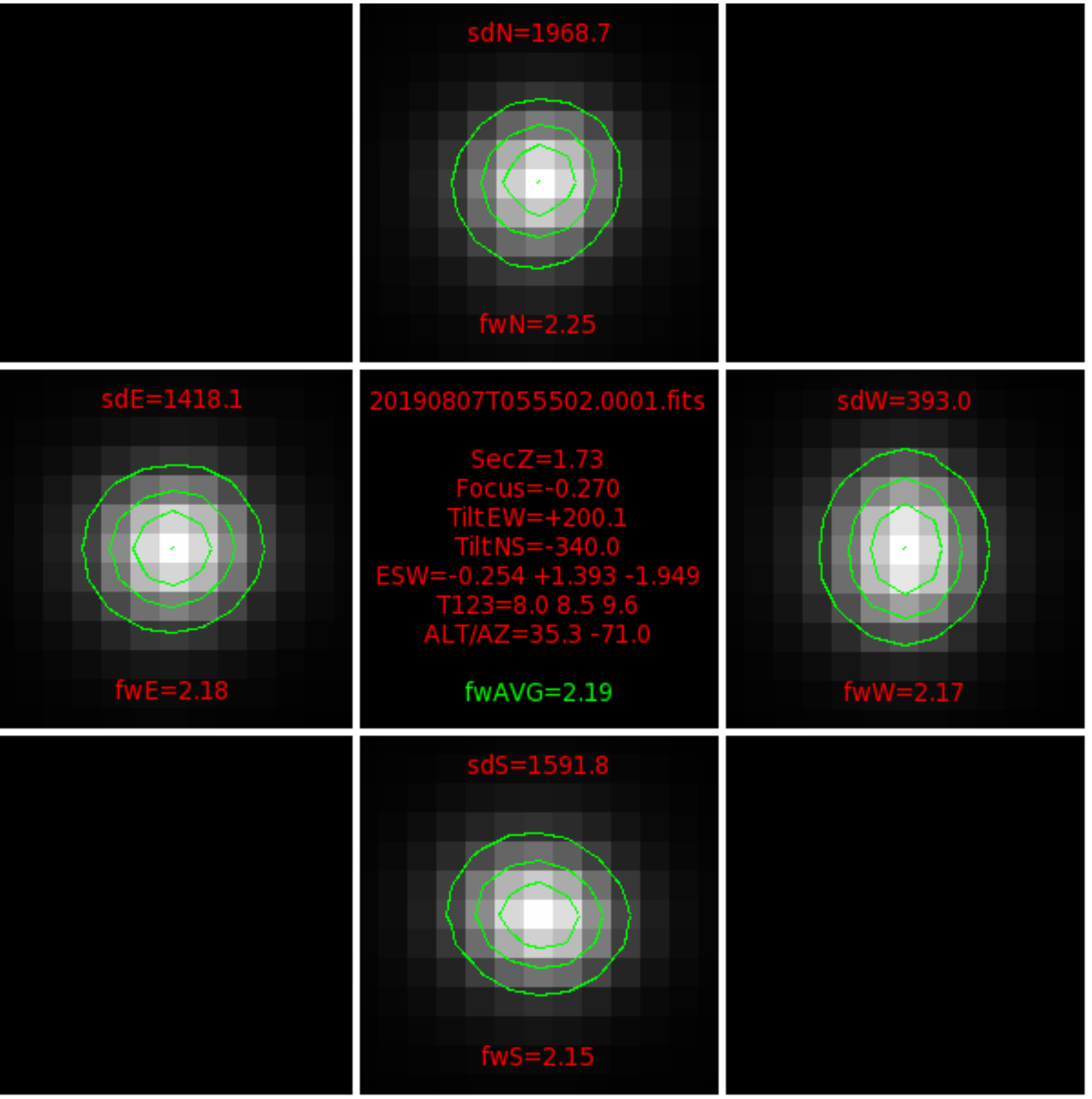
sdN=1968.7
fwN=2.25
sdE=1418.1
fwE=2.18
20190807T055502.0001.fits
SecZ=1.73
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=35.3 -71.0
fwAVG=2.19
sdW=393.0
fwW=2.17
sdS=1591.8
fwS=2.15
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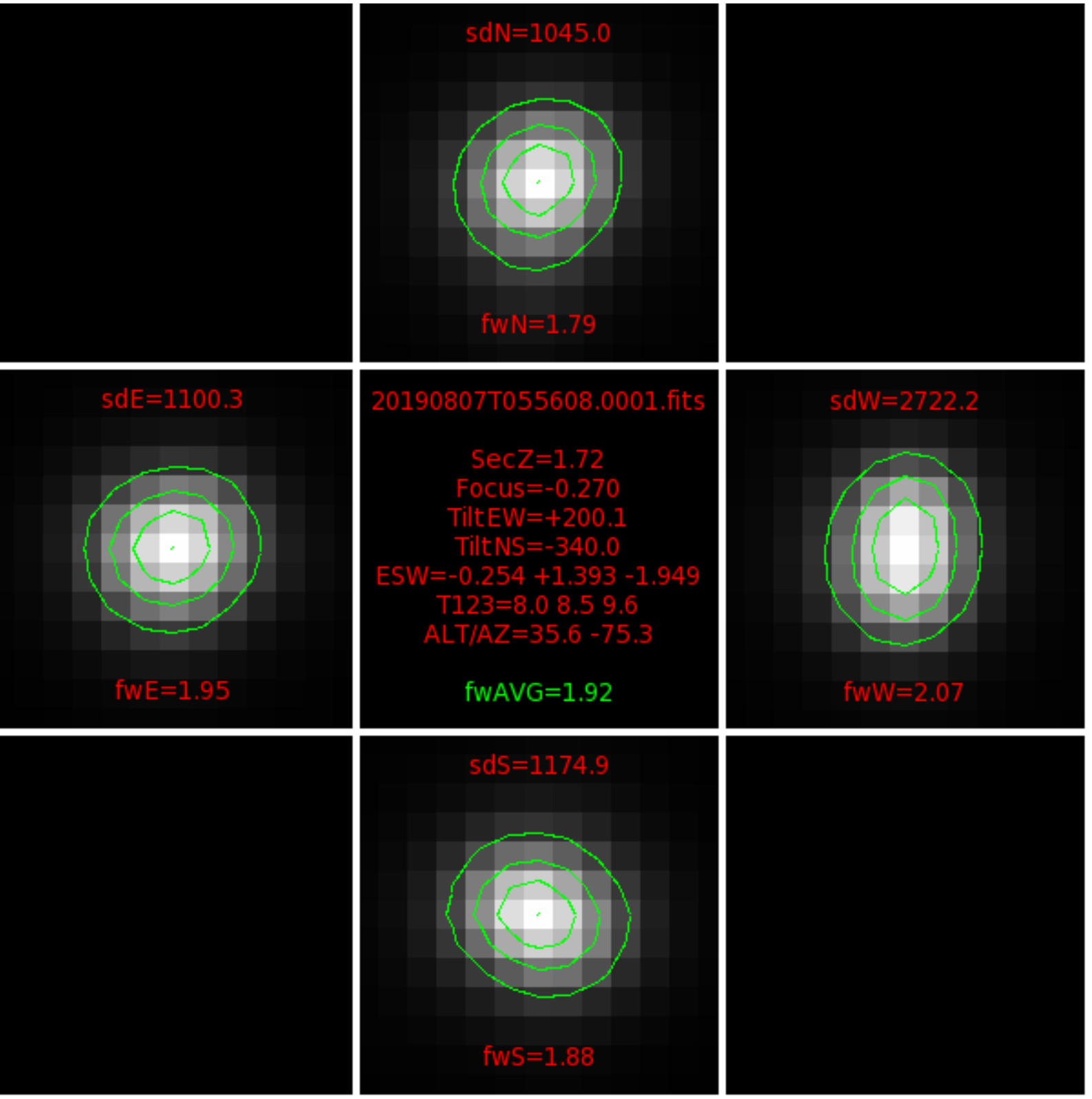
sdN=1045.0
fwN=1.79
sdE=1100.3
fwE=1.95
20190807T055608.0001.fits
SecZ=1.72
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=35.6 -75.3
fwAVG=1.92
sdW=2722.2
fwW=2.07
sdS=1174.9
fwS=1.88
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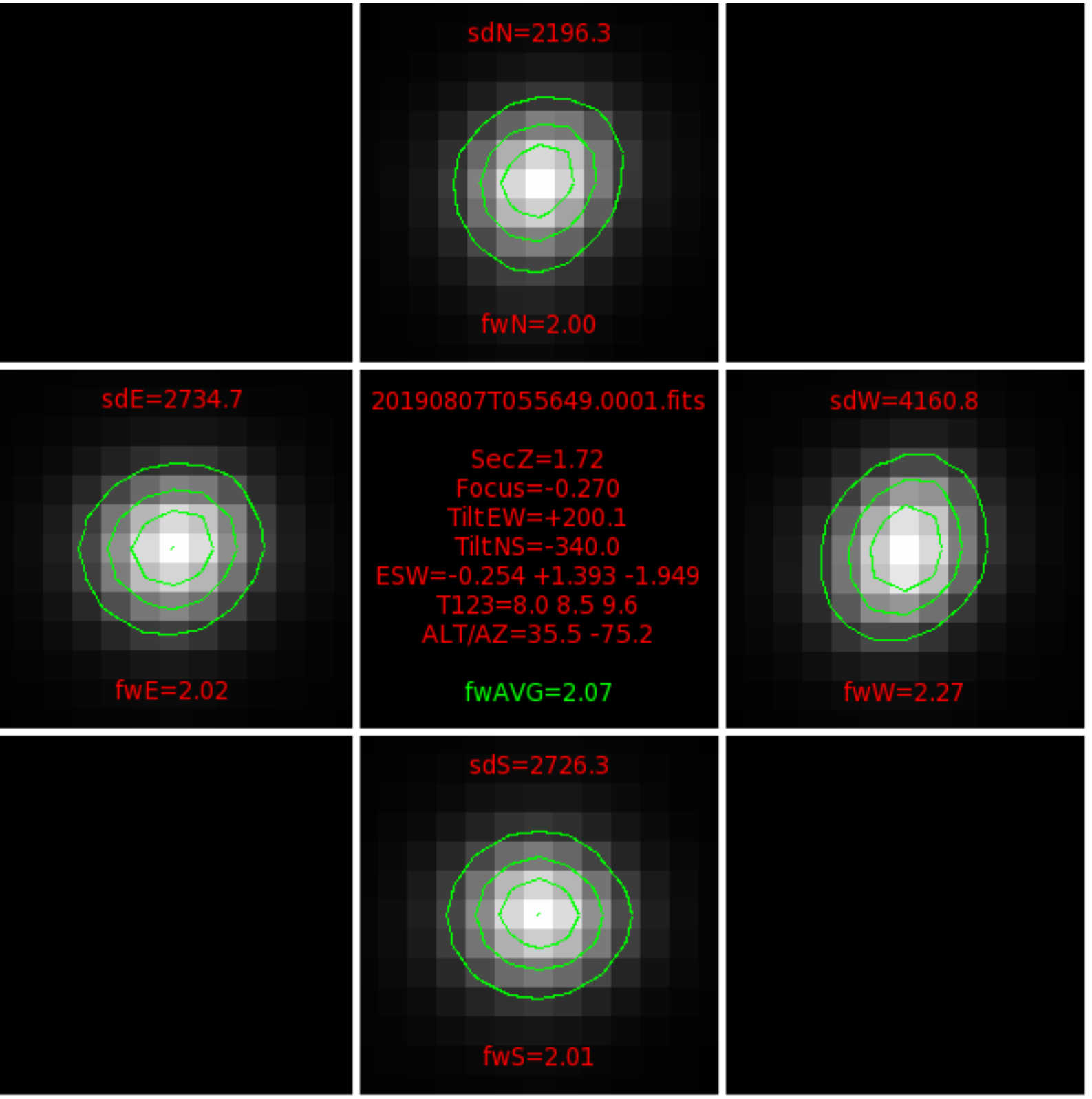
sdN=2196.3
fwN=2.00
sdE=2734.7
fwE=2.02
20190807T055649.0001.fits
SecZ=1.72
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=35.5 -75.2
fwAVG=2.07
sdW=4160.8
fwW=2.27
sdS=2726.3
fwS=2.01
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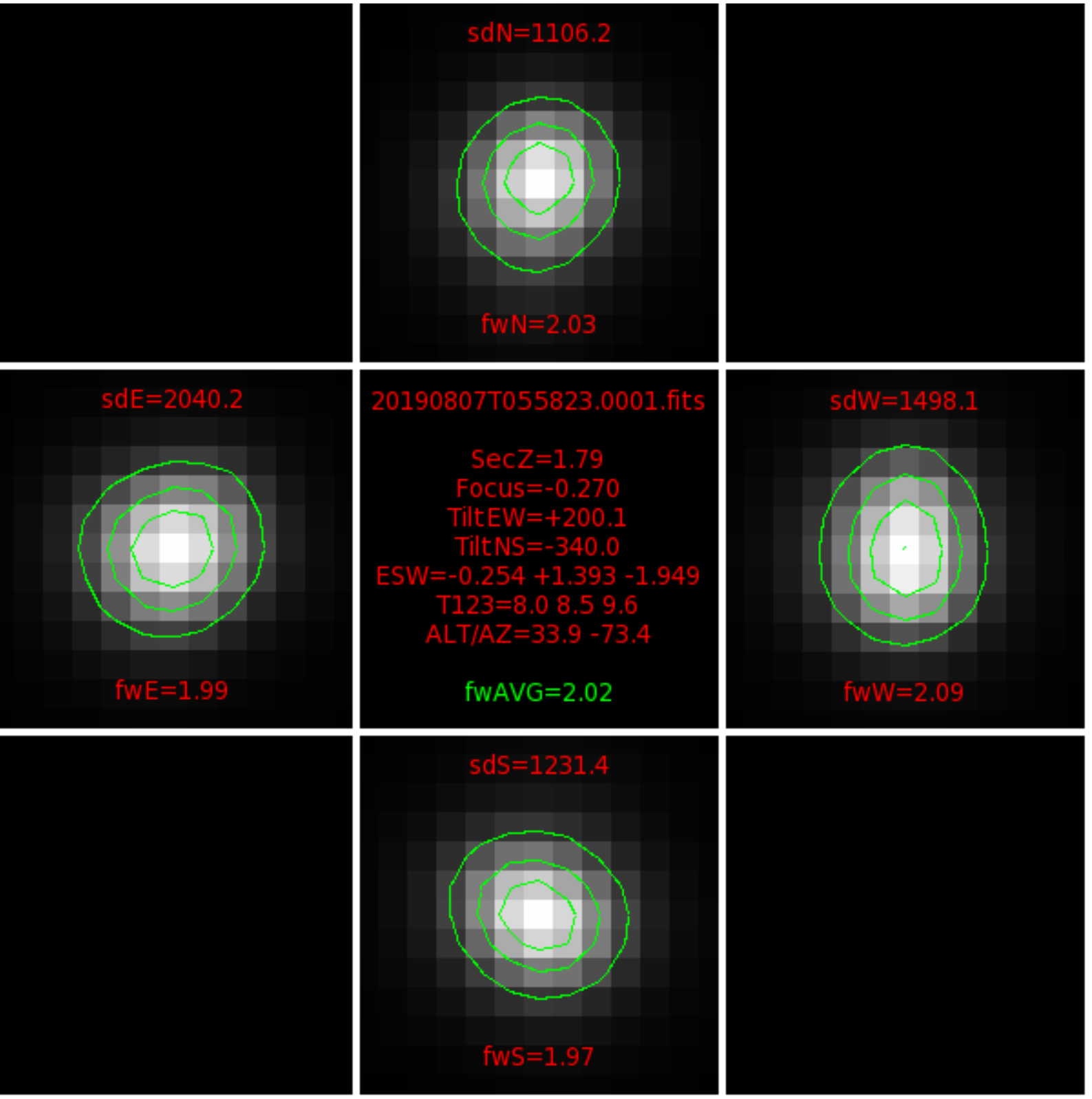
sdN=1106.2
fwN=2.03
sdE=2040.2
fwE=1.99
20190807T055823.0001.fits
SecZ=1.79
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=33.9 -73.4
fwAVG=2.02
sdW=1498.1
fwW=2.09
sdS=1231.4
fwS=1.97
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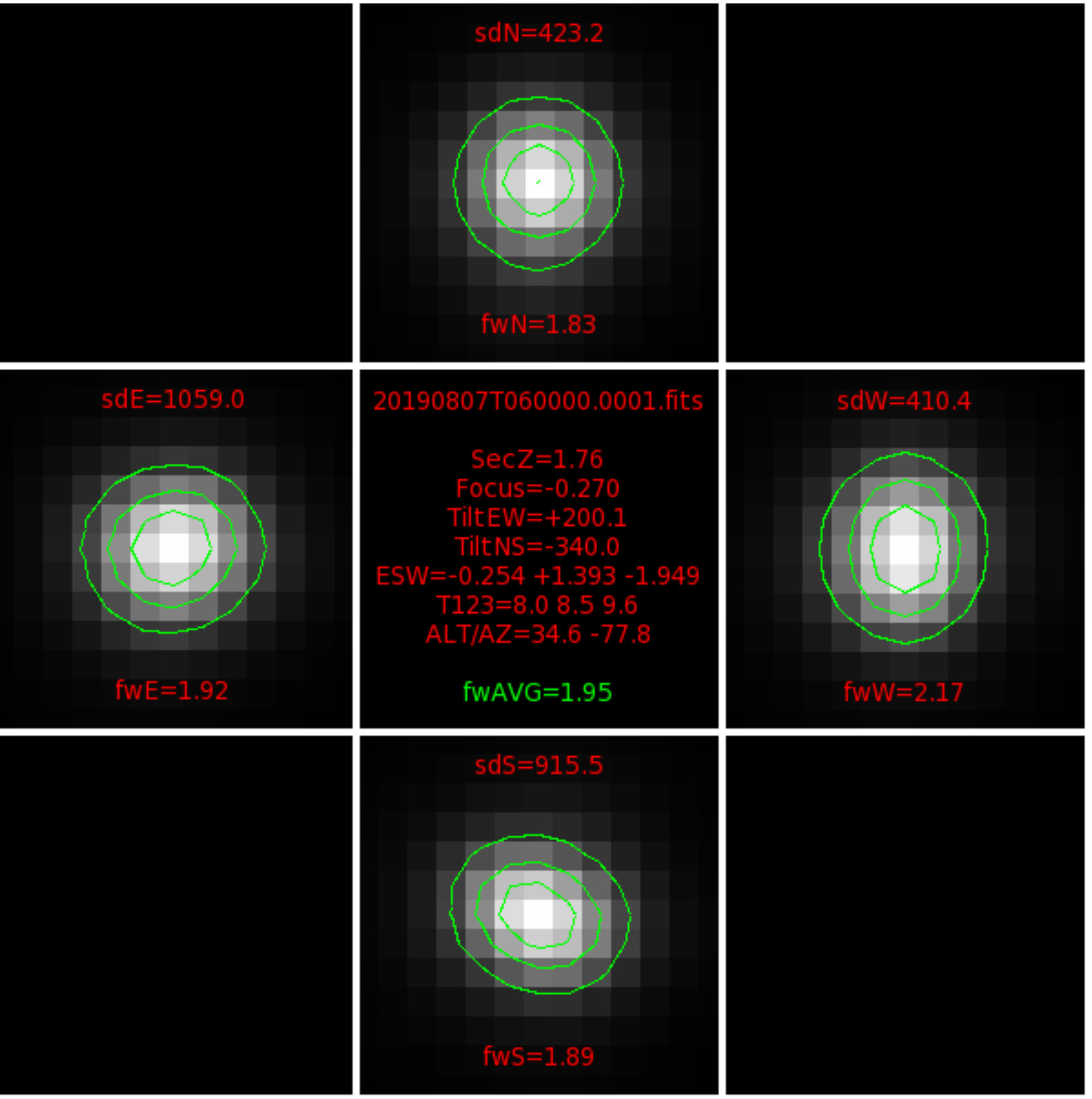
sdN=423.2
fwN=1.83
sdE=1059.0
fwE=1.92
20190807T060000.0001.fits
SecZ=1.76
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=34.6 -77.8
fwAVG=1.95
sdW=410.4
fwW=2.17
sdS=915.5
fwS=1.89
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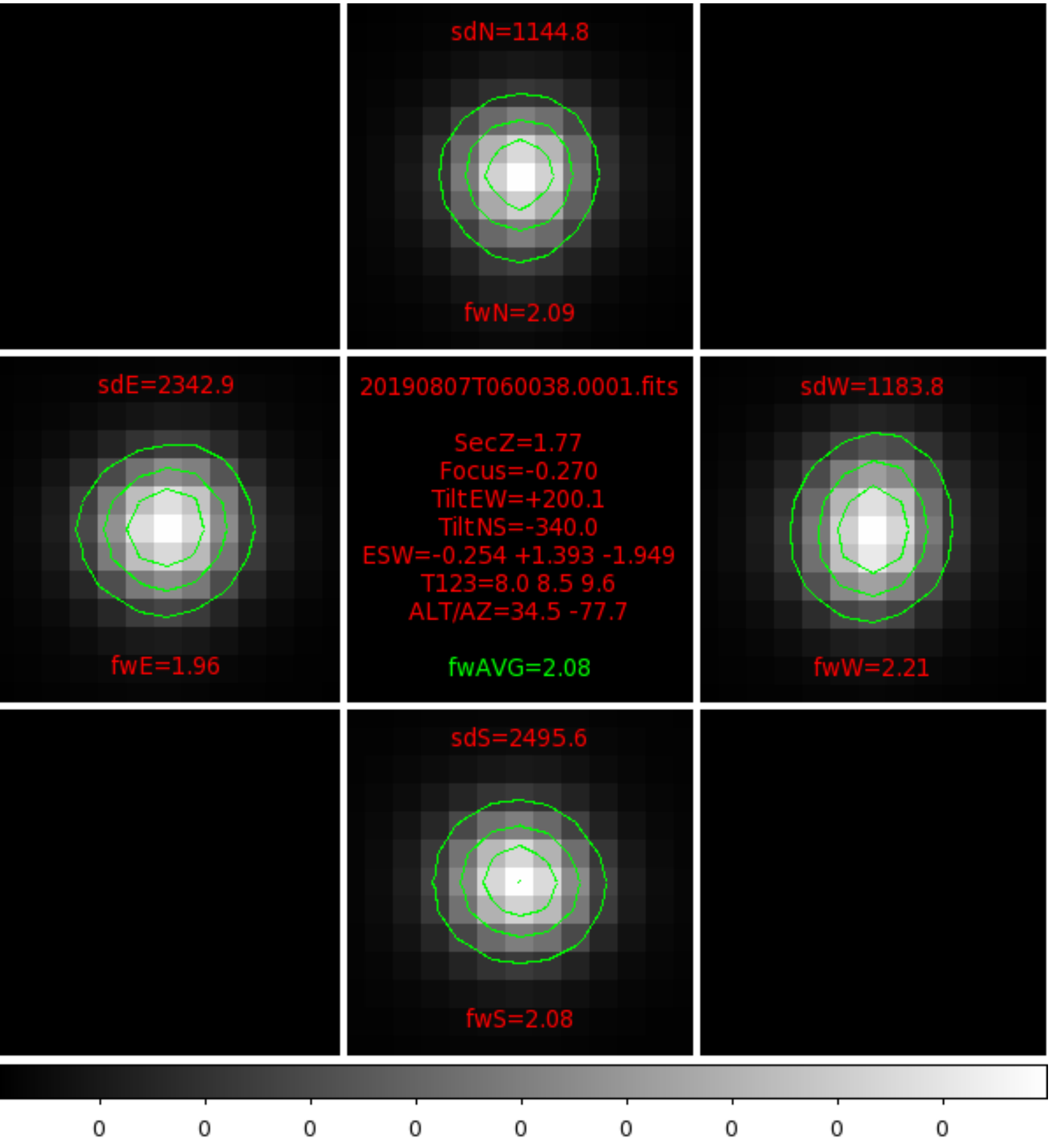
sdN=1144.8
fwN=2.09
sdE=2342.9
fwE=1.96
20190807T060038.0001.fits
SecZ=1.77
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=34.5 -77.7
fwAVG=2.08
sdW=1183.8
fwW=2.21
sdS=2495.6
fwS=2.08
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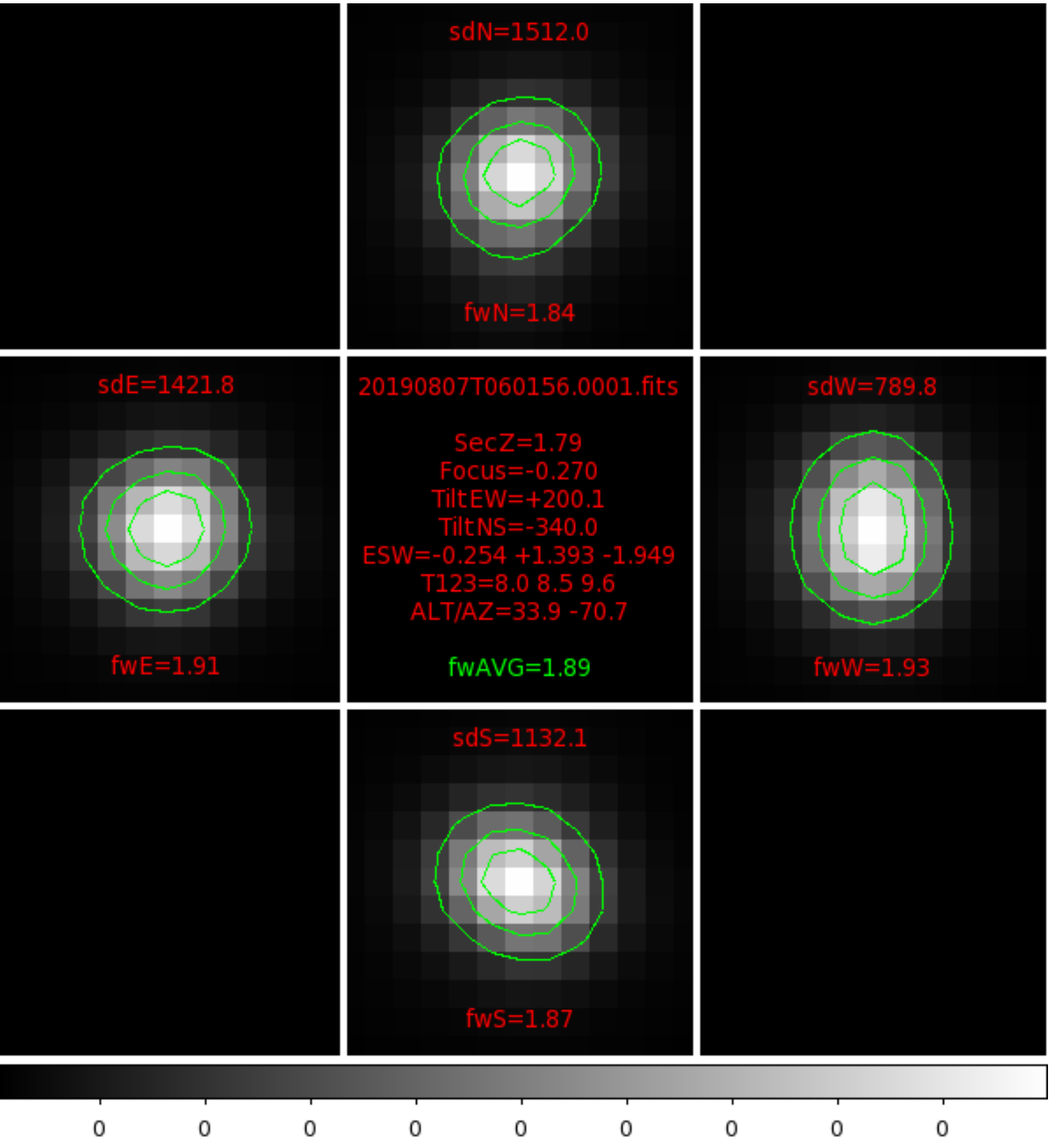
sdN=1512.0
fwN=1.84
sdE=1421.8
fwE=1.91
20190807T060156.0001.fits
SecZ=1.79
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=33.9 -70.7
fwAVG=1.89
sdW=789.8
fwW=1.93
sdS=1132.1
fwS=1.87
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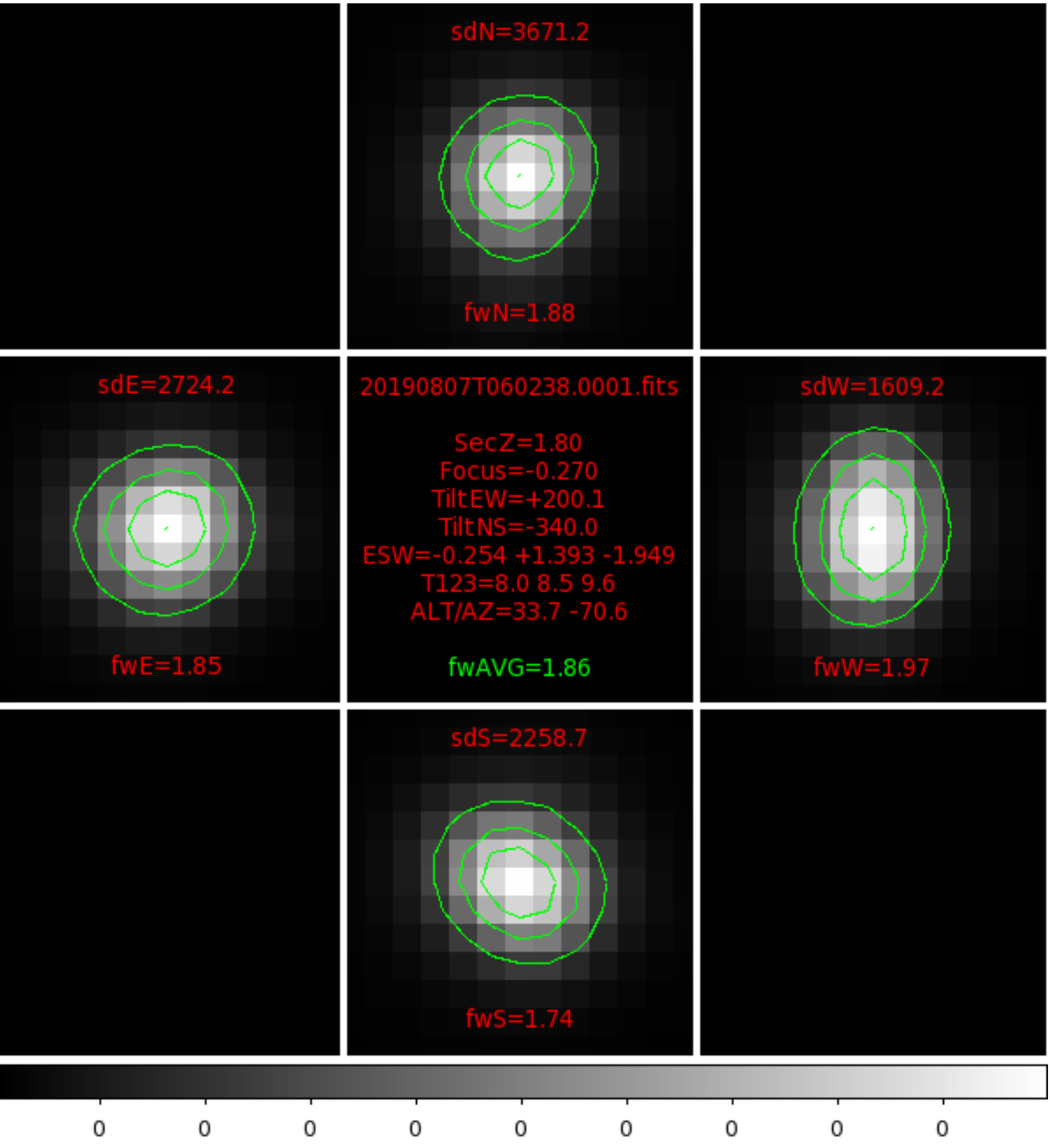
sdN=3671.2
fwN=1.88
sdE=2724.2
fwE=1.85
20190807T060238.0001.fits
SecZ=1.80
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=33.7 -70.6
fwAVG=1.86
sdW=1609.2
fwW=1.97
sdS=2258.7
fwS=1.74
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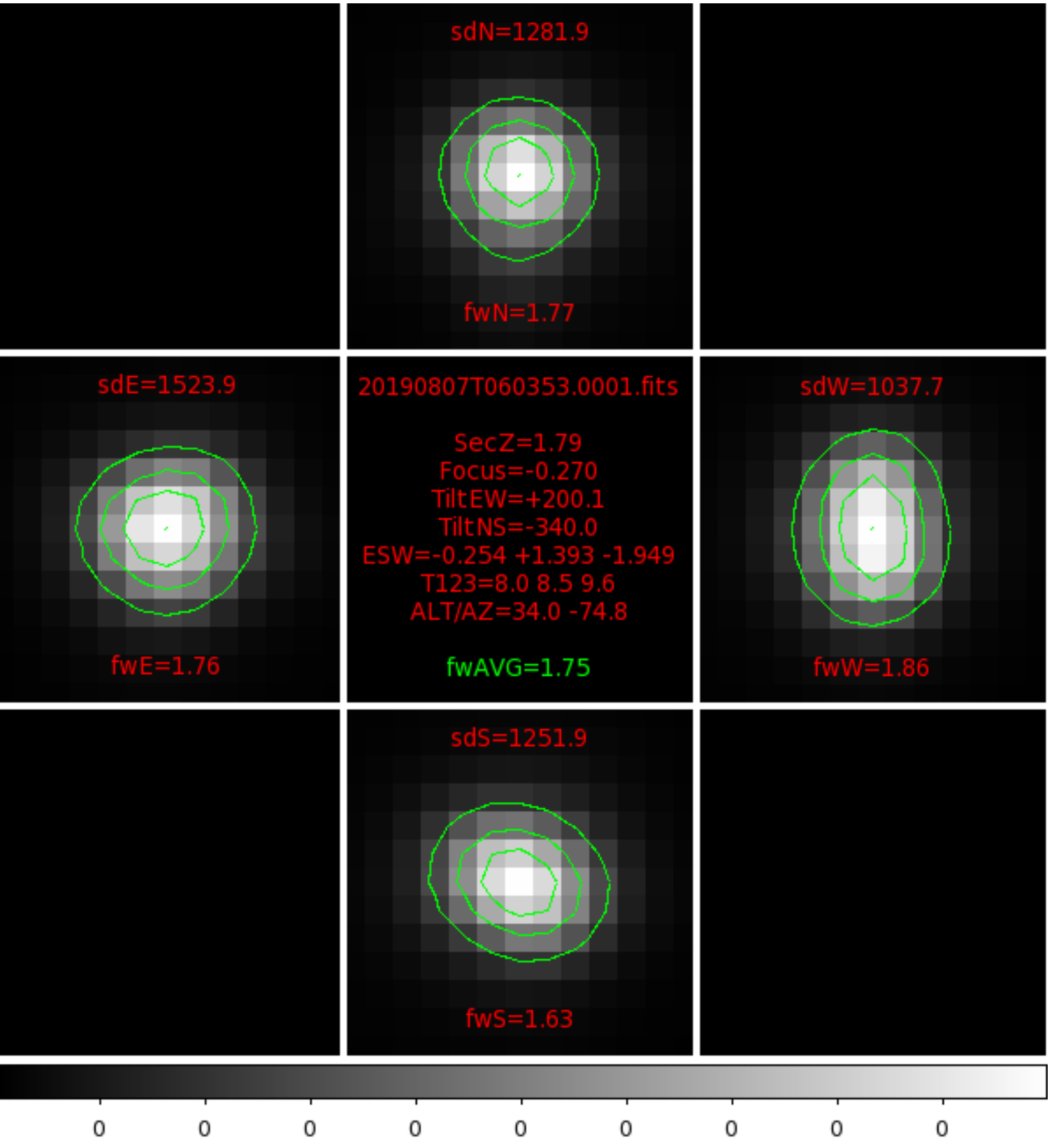
sdN=1281.9
fwN=1.77
sdE=1523.9
fwE=1.76
20190807T060353.0001.fits
SecZ=1.79
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=34.0 -74.8
fwAVG=1.75
sdW=1037.7
fwW=1.86
sdS=1251.9
fwS=1.63
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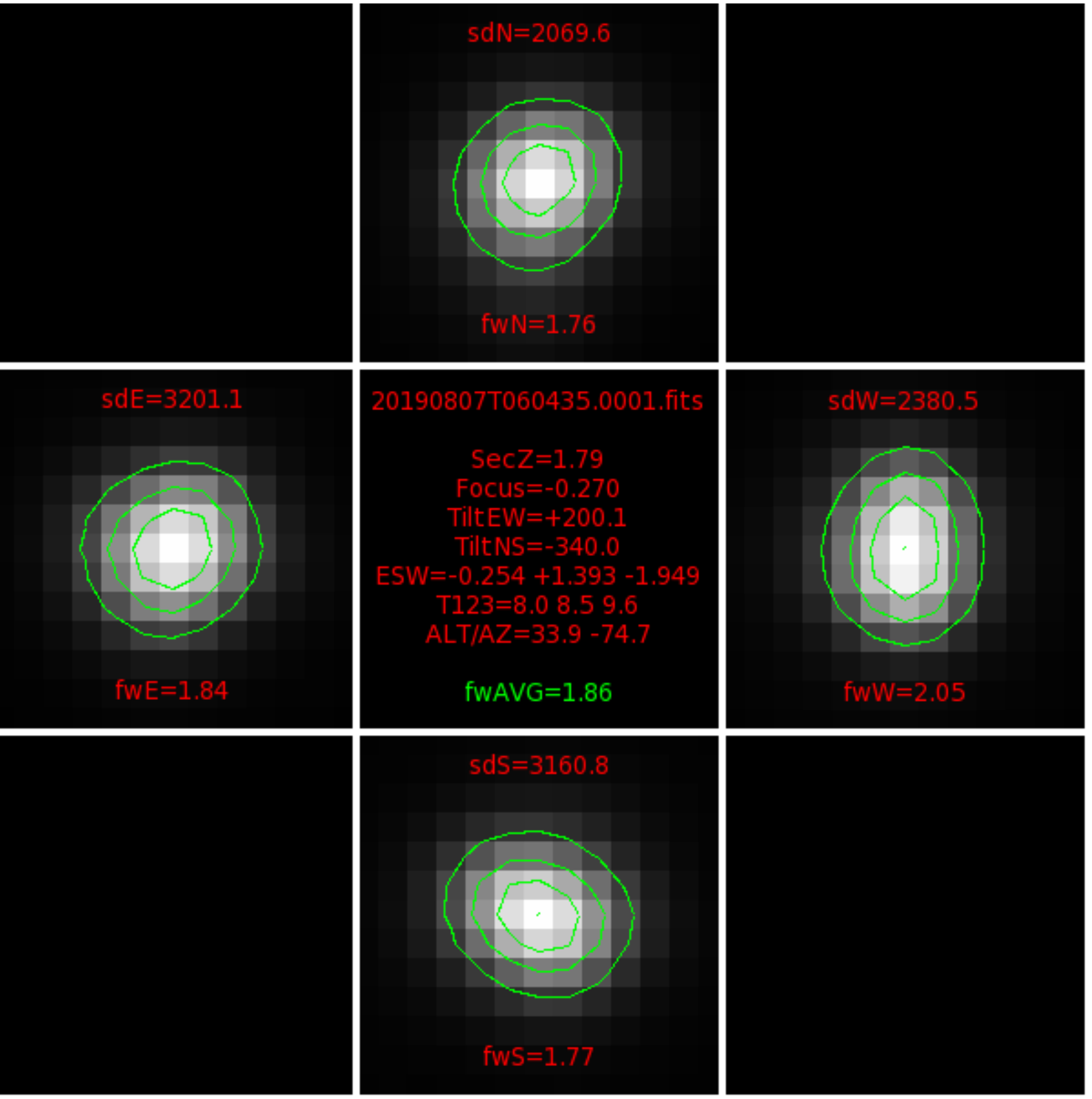
sdN=2069.6
fwN=1.76
sdE=3201.1
fwE=1.84
20190807T060435.0001.fits
SecZ=1.79
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=33.9 -74.7
fwAVG=1.86
sdW=2380.5
fwW=2.05
sdS=3160.8
fwS=1.77
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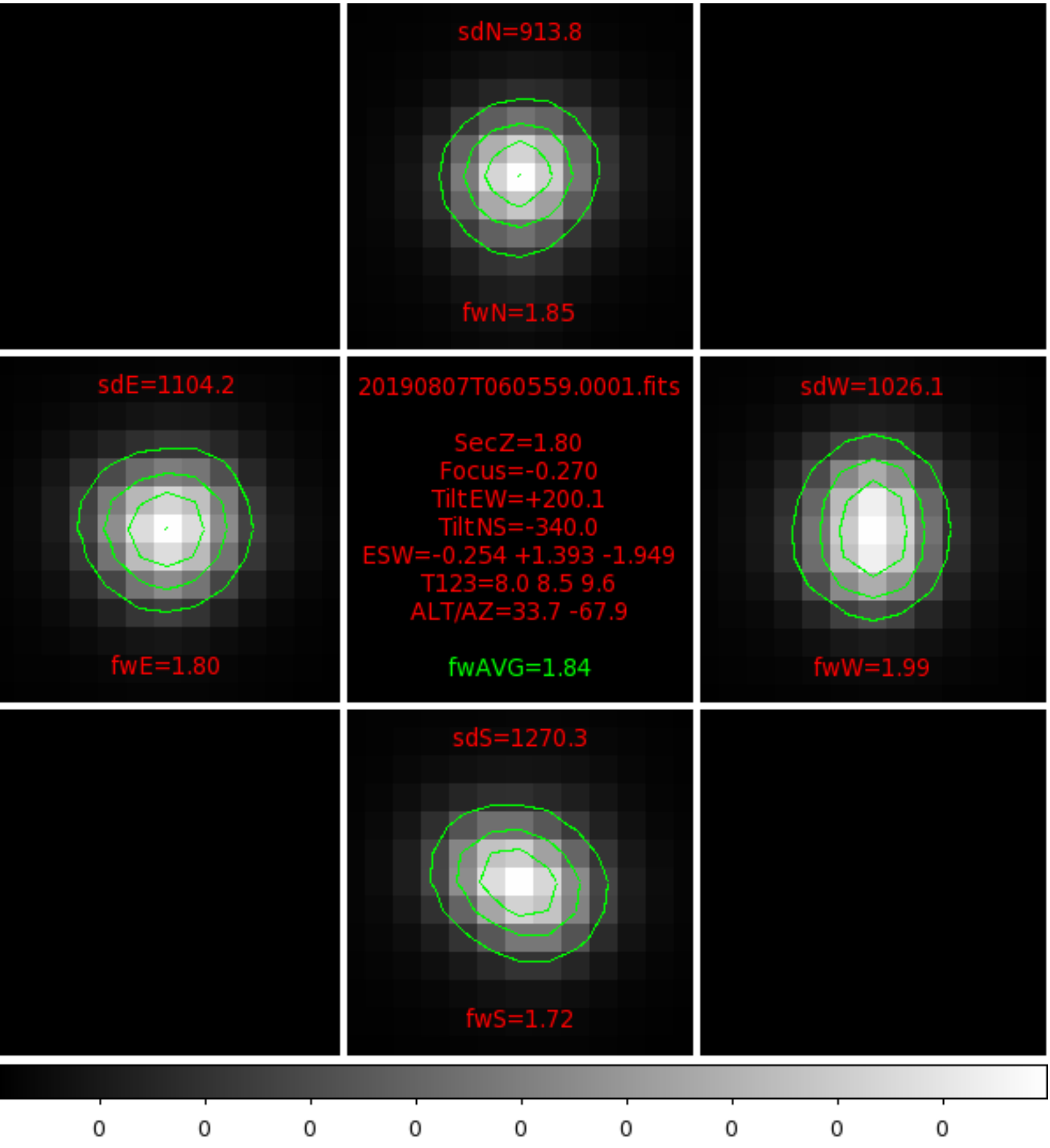
sdN=913.8
fwN=1.85
sdE=1104.2
fwE=1.80
20190807T060559.0001.fits
SecZ=1.80
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=33.7 -67.9
fwAVG=1.84
sdW=1026.1
fwW=1.99
sdS=1270.3
fwS=1.72
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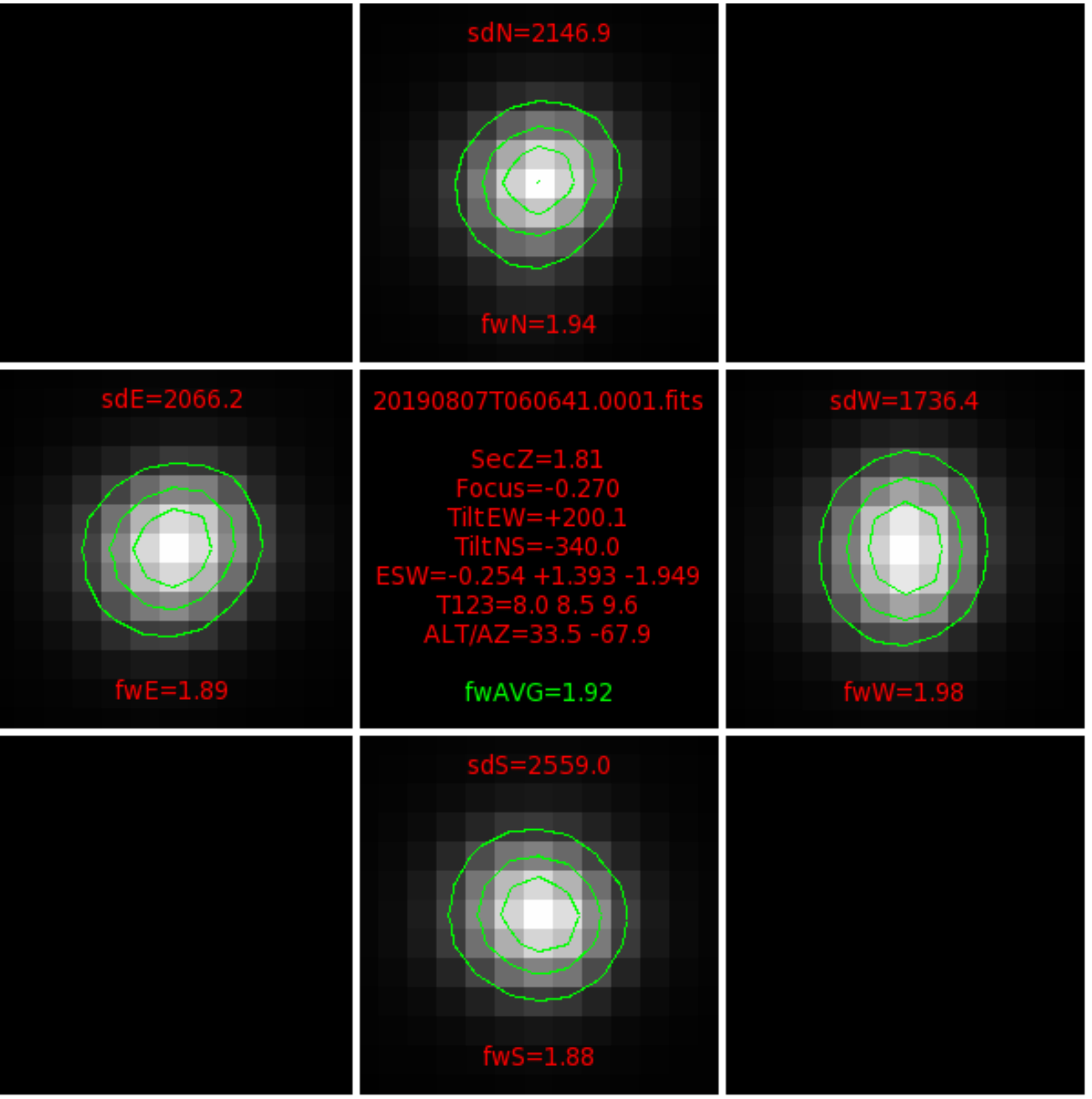
sdN=2146.9
fwN=1.94
sdE=2066.2
fwE=1.89
20190807T060641.0001.fits
SecZ=1.81
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=33.5 -67.9
fwAVG=1.92
sdW=1736.4
fwW=1.98
sdS=2559.0
fwS=1.88
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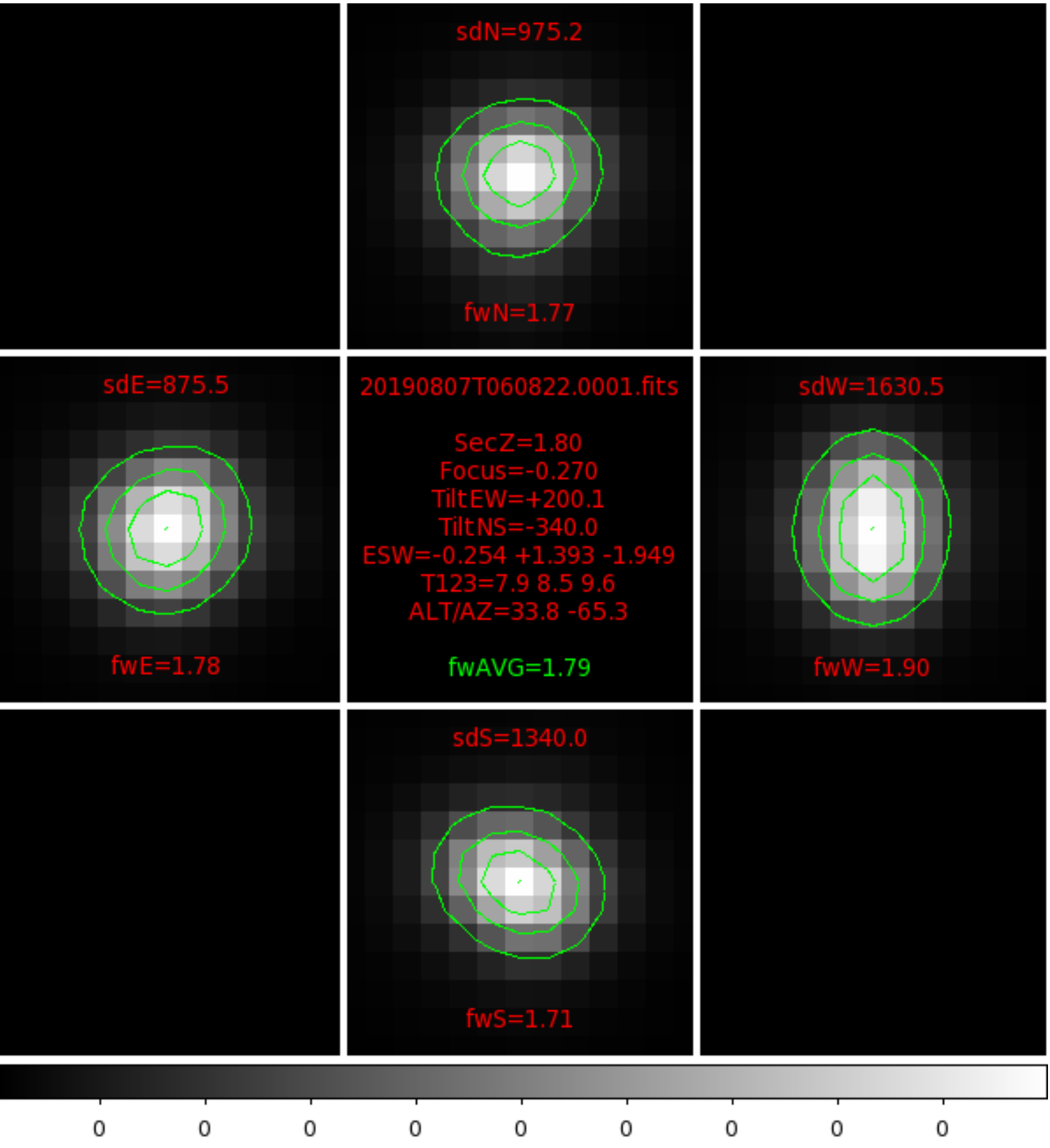
sdN=975.2
fwN=1.77
sdE=875.5
fwE=1.78
20190807T060822.0001.fits
SecZ=1.80
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.9 8.5 9.6
ALT/AZ=33.8 -65.3
fwAVG=1.79
sdW=1630.5
fwW=1.90
sdS=1340.0
fwS=1.71
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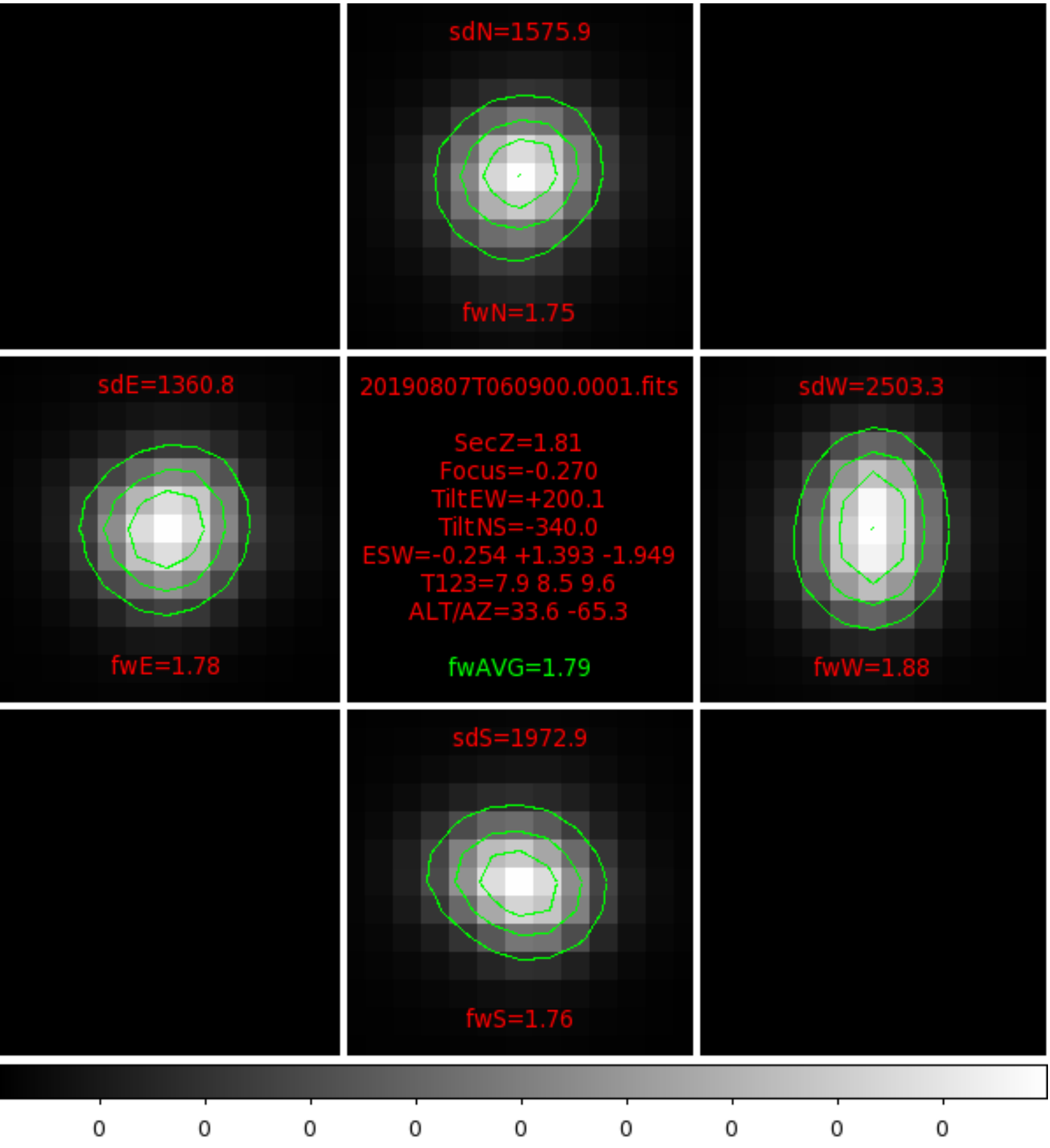
sdN=1575.9
fwN=1.75
sdE=1360.8
fwE=1.78
20190807T060900.0001.fits
SecZ=1.81
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.9 8.5 9.6
ALT/AZ=33.6 -65.3
fwAVG=1.79
sdW=2503.3
fwW=1.88
sdS=1972.9
fwS=1.76
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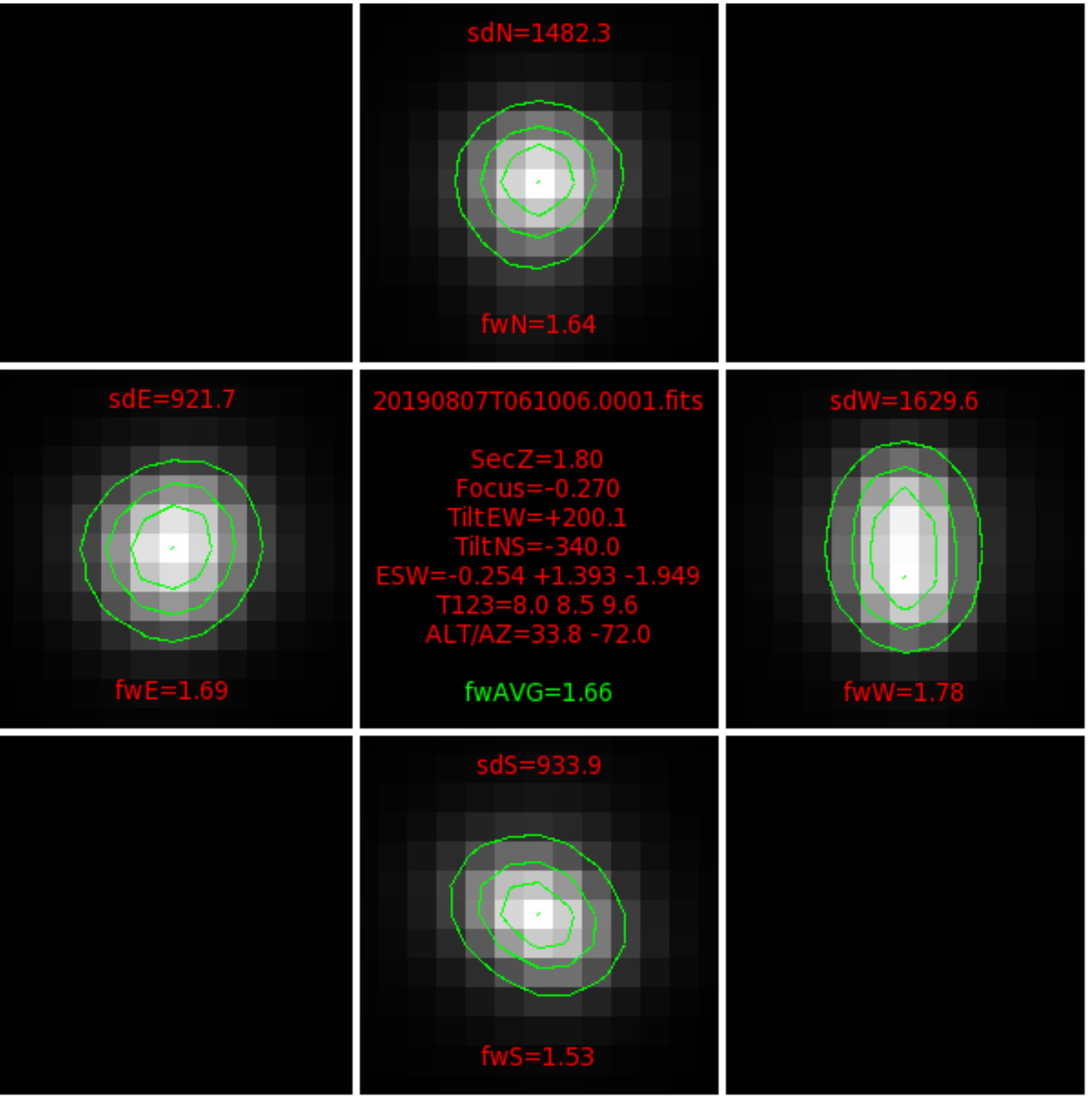
sdN=1482.3
fwN=1.64
sdE=921.7
fwE=1.69
20190807T061006.0001.fits
SecZ=1.80
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=33.8 -72.0
fwAVG=1.66
sdW=1629.6
fwW=1.78
sdS=933.9
fwS=1.53
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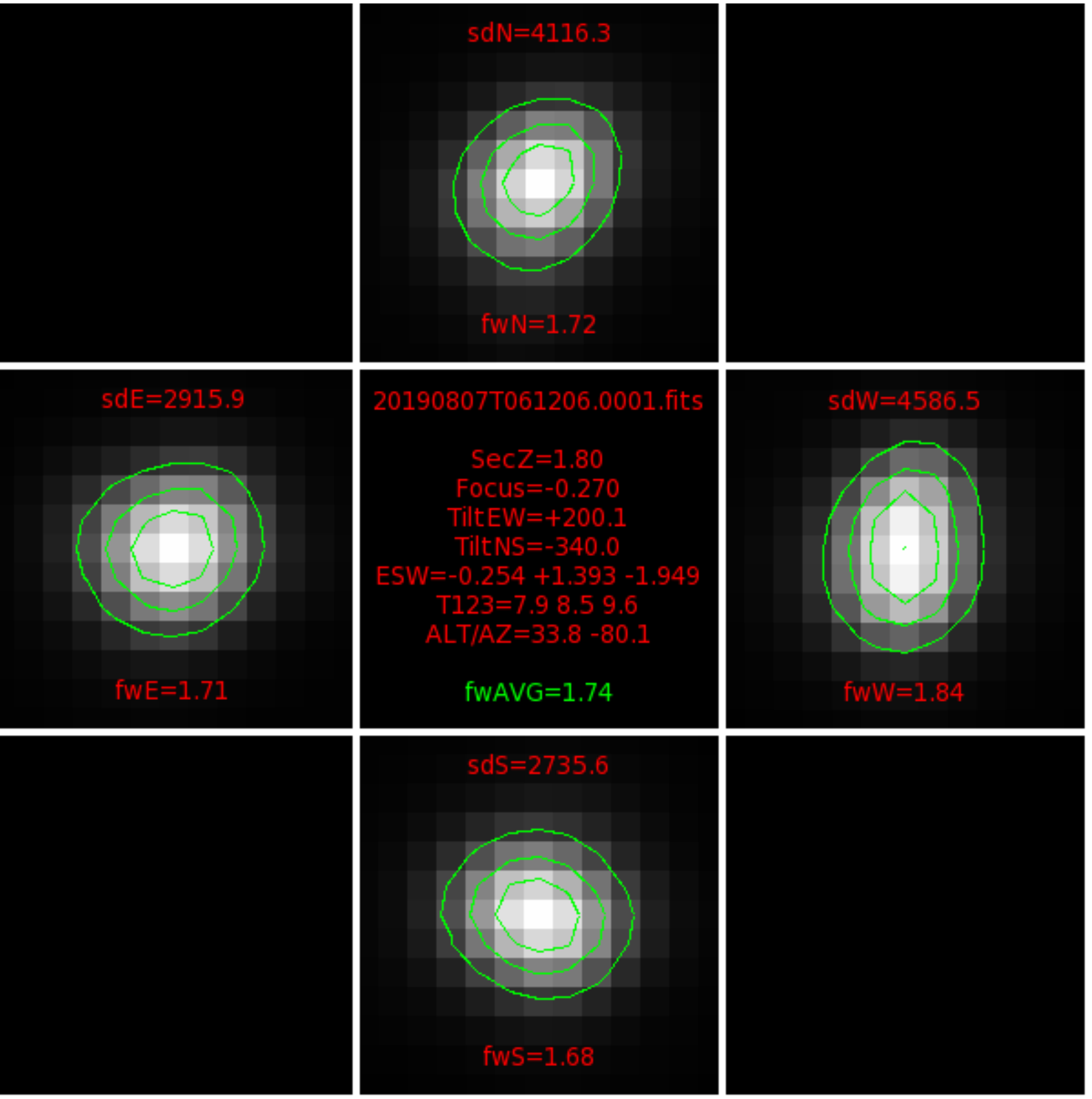
sdN=4116.3
fwN=1.72
sdE=2915.9
fwE=1.71
20190807T061206.0001.fits
SecZ=1.80
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.9 8.5 9.6
ALT/AZ=33.8 -80.1
fwAVG=1.74
sdW=4586.5
fwW=1.84
sdS=2735.6
fwS=1.68
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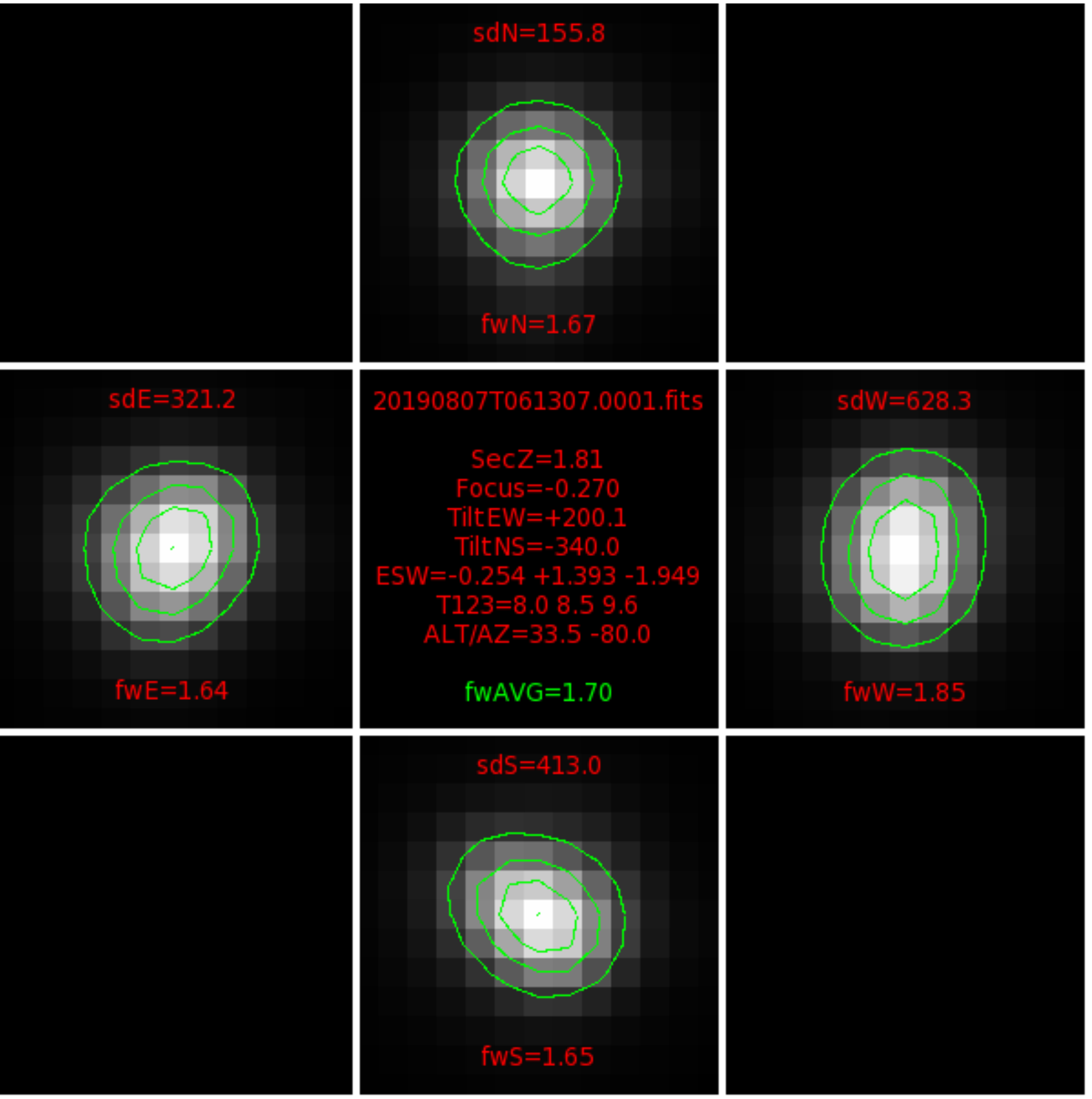
sdN=155.8
fwN=1.67
sdE=321.2
fwE=1.64
20190807T061307.0001.fits
SecZ=1.81
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=33.5 -80.0
fwAVG=1.70
sdW=628.3
fwW=1.85
sdS=413.0
fwS=1.65
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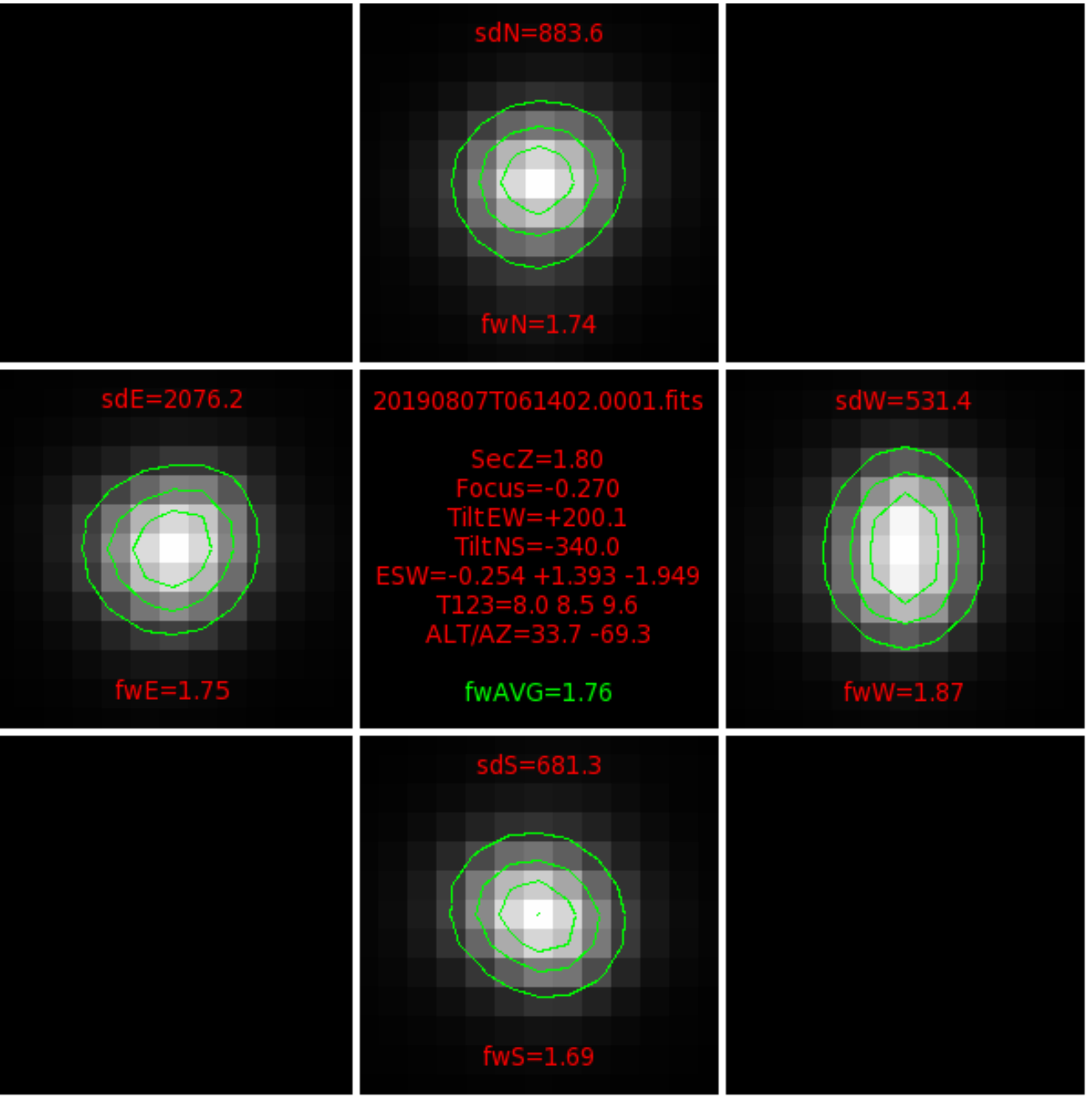
sdN=883.6
fwN=1.74
sdE=2076.2
fwE=1.75
20190807T061402.0001.fits
SecZ=1.80
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=33.7 -69.3
fwAVG=1.76
sdW=531.4
fwW=1.87
sdS=681.3
fwS=1.69
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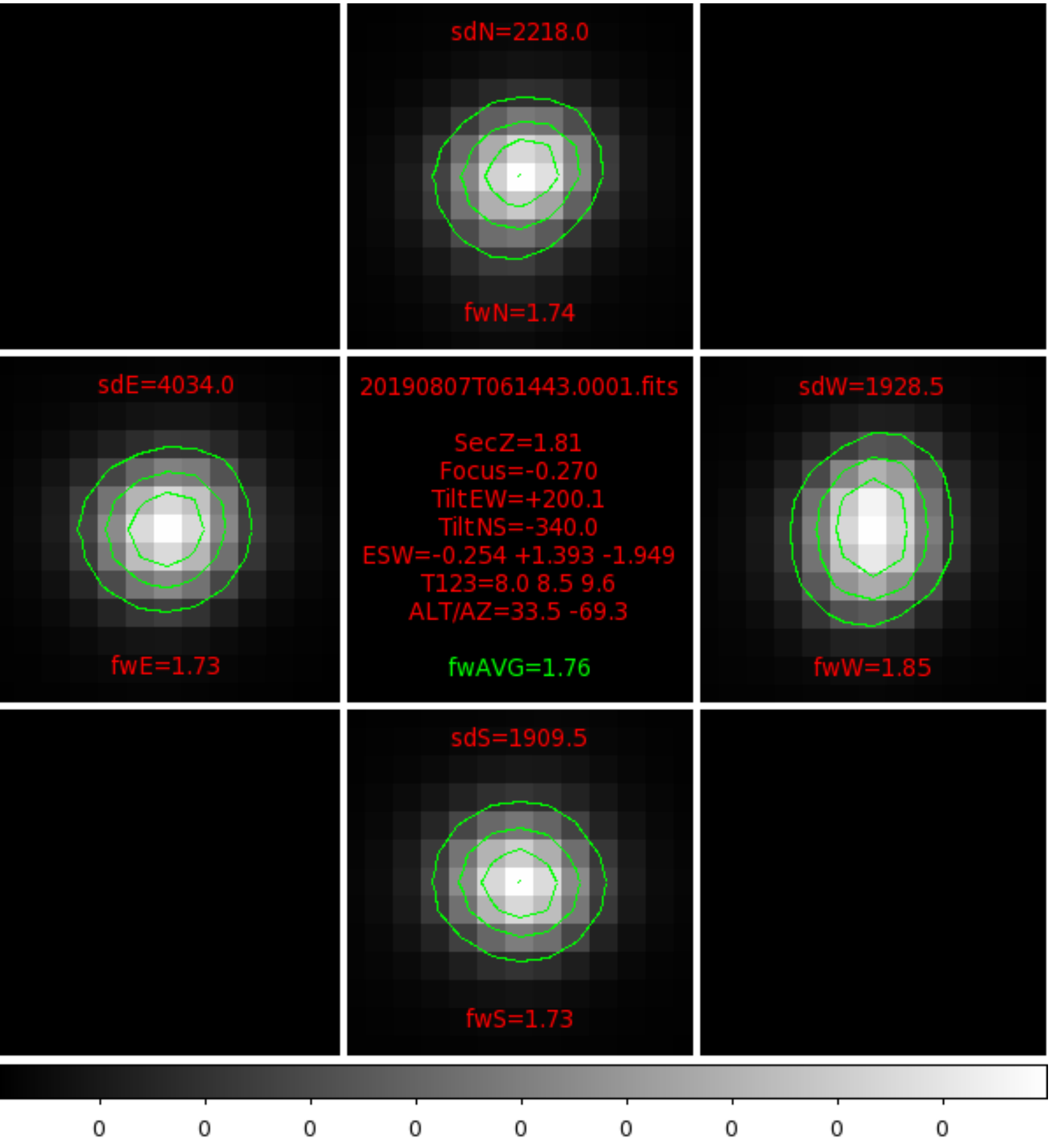
sdN=2218.0
fwN=1.74
sdE=4034.0
fwE=1.73
20190807T061443.0001.fits
SecZ=1.81
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=33.5 -69.3
fwAVG=1.76
sdW=1928.5
fwW=1.85
sdS=1909.5
fwS=1.73
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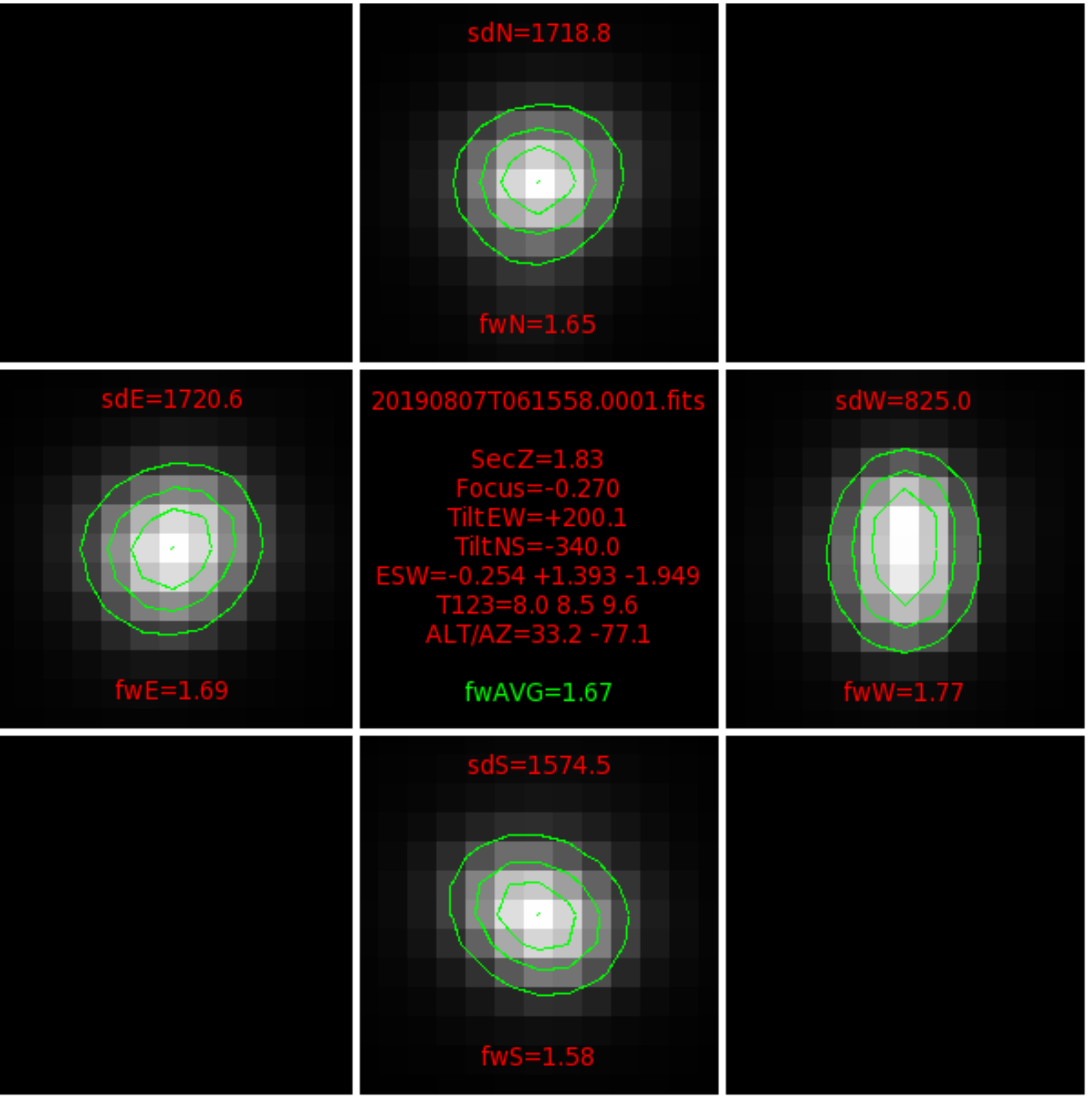
sdN=1718.8
fwN=1.65
sdE=1720.6
fwE=1.69
20190807T061558.0001.fits
SecZ=1.83
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=33.2 -77.1
fwAVG=1.67
sdW=825.0
fwW=1.77
sdS=1574.5
fwS=1.58
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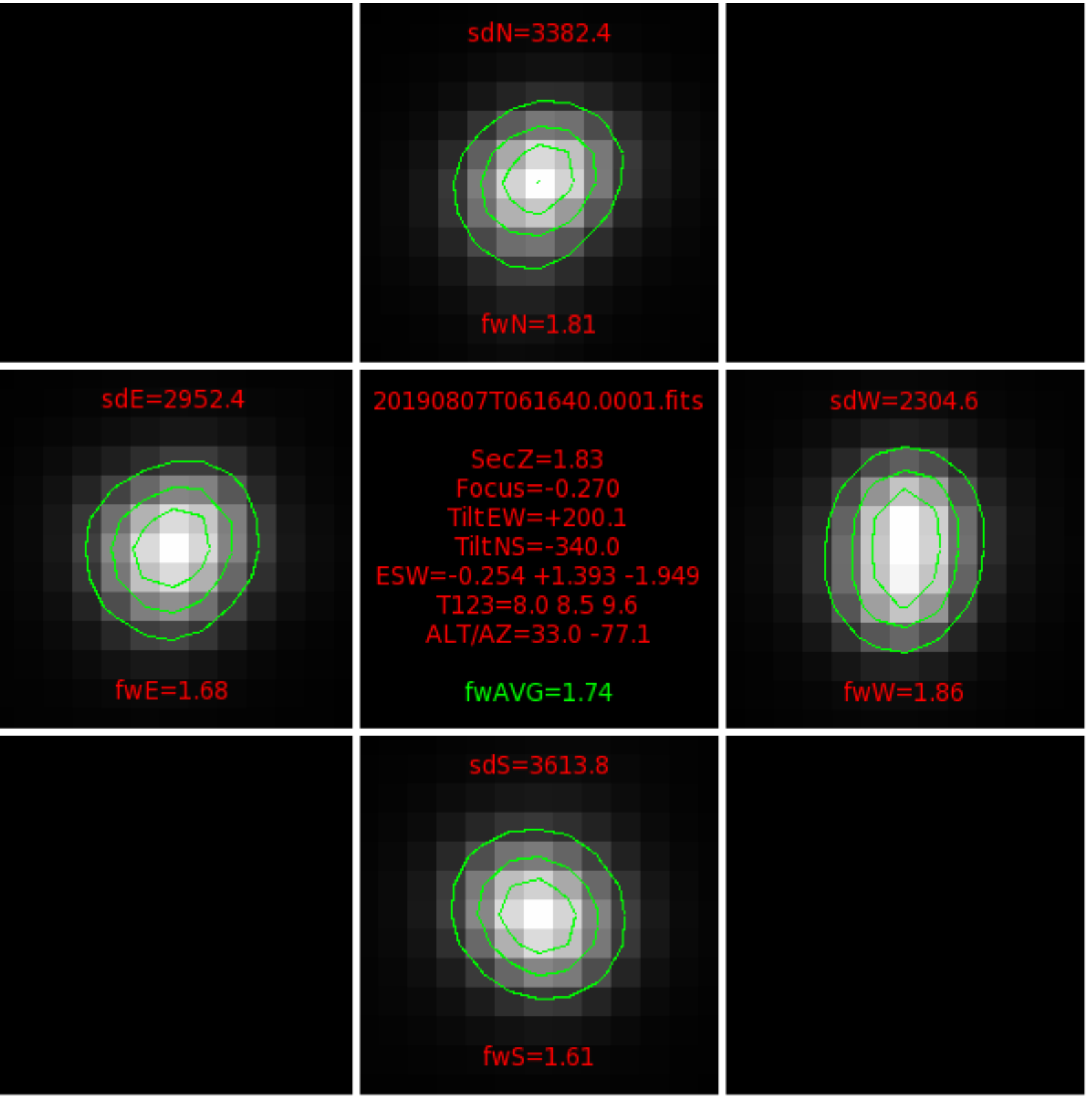
sdN=3382.4
fwN=1.81
sdE=2952.4
fwE=1.68
20190807T061640.0001.fits
SecZ=1.83
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=33.0 -77.1
fwAVG=1.74
sdW=2304.6
fwW=1.86
sdS=3613.8
fwS=1.61
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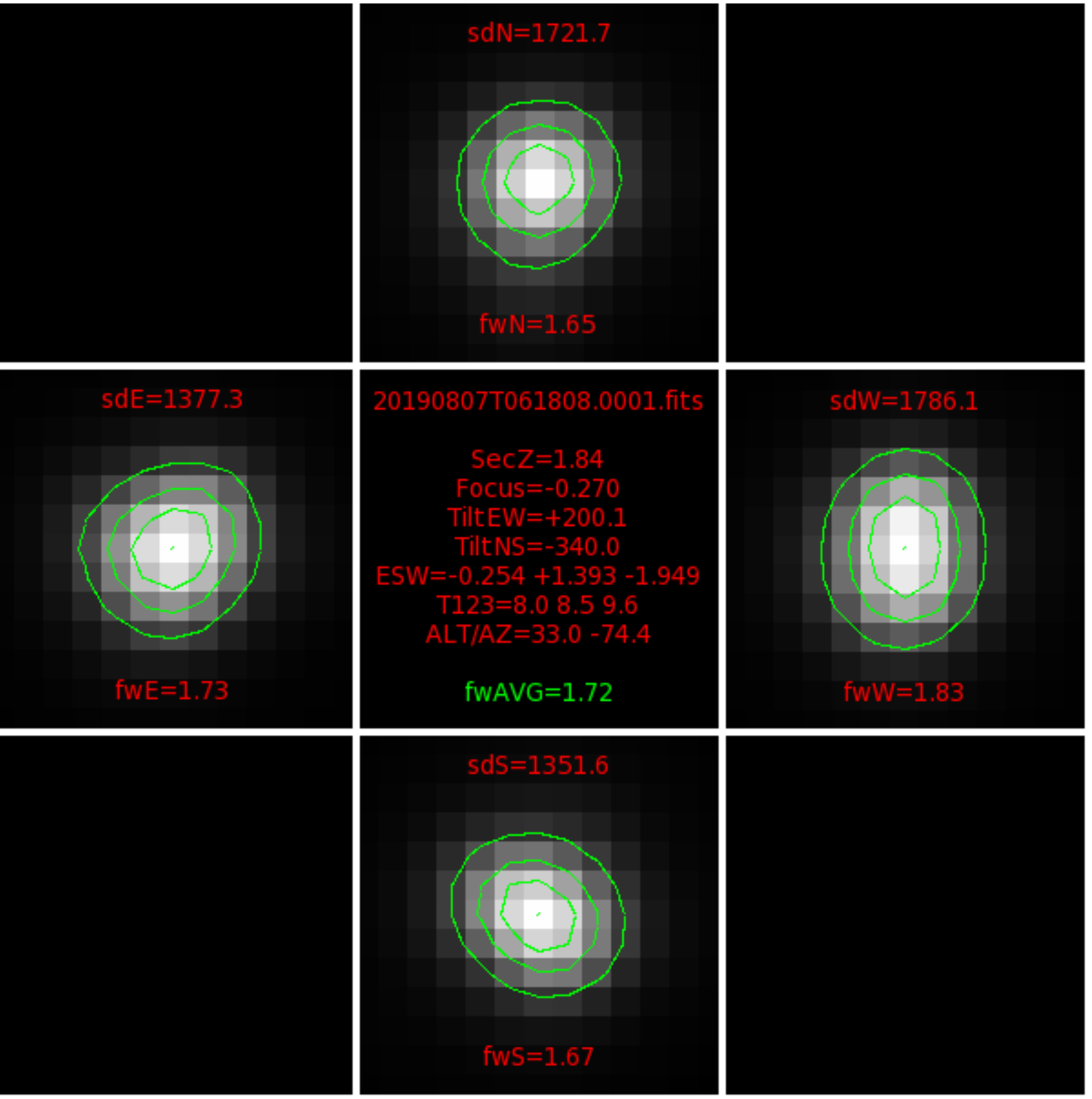
sdN=1721.7
fwN=1.65
sdE=1377.3
fwE=1.73
20190807T061808.0001.fits
SecZ=1.84
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=33.0 -74.4
fwAVG=1.72
sdW=1786.1
fwW=1.83
sdS=1351.6
fwS=1.67
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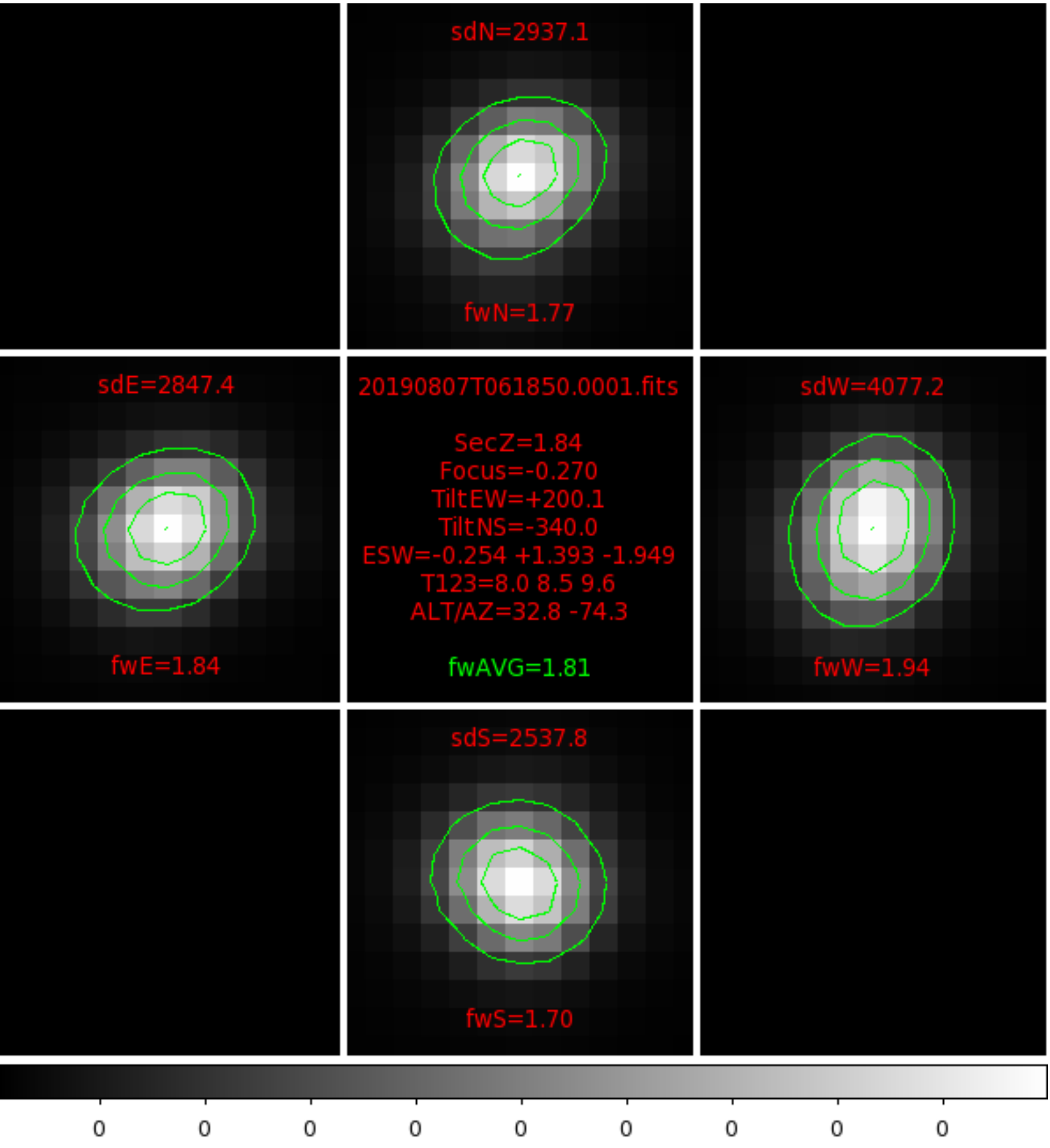
sdN=2937.1
fwN=1.77
sdE=2847.4
fwE=1.84
20190807T061850.0001.fits
SecZ=1.84
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=32.8 -74.3
fwAVG=1.81
sdW=4077.2
fwW=1.94
sdS=2537.8
fwS=1.70
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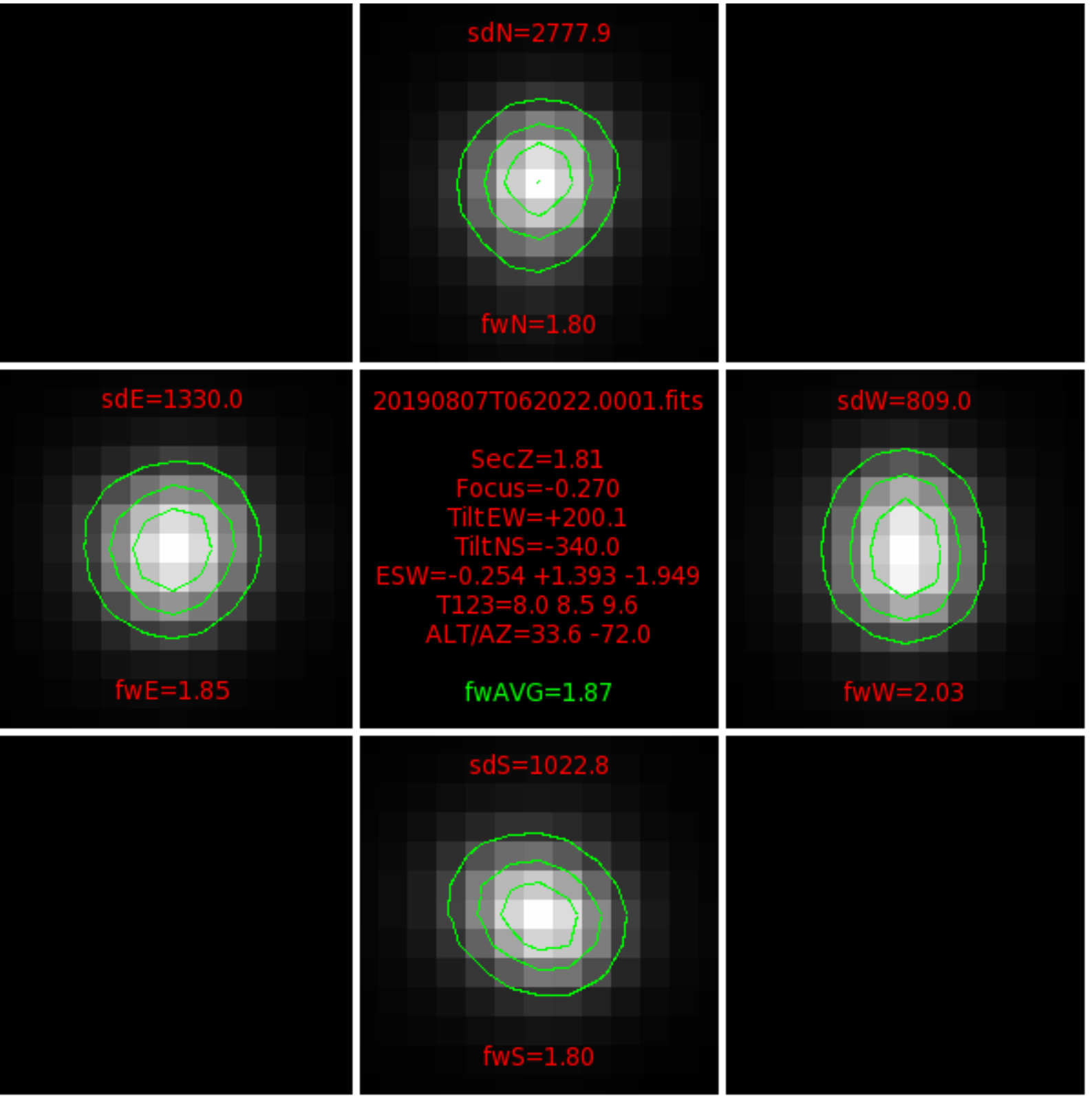
sdN=2777.9
fwN=1.80
sdE=1330.0
fwE=1.85
20190807T062022.0001.fits
SecZ=1.81
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=33.6 -72.0
fwAVG=1.87
sdW=809.0
fwW=2.03
sdS=1022.8
fwS=1.80
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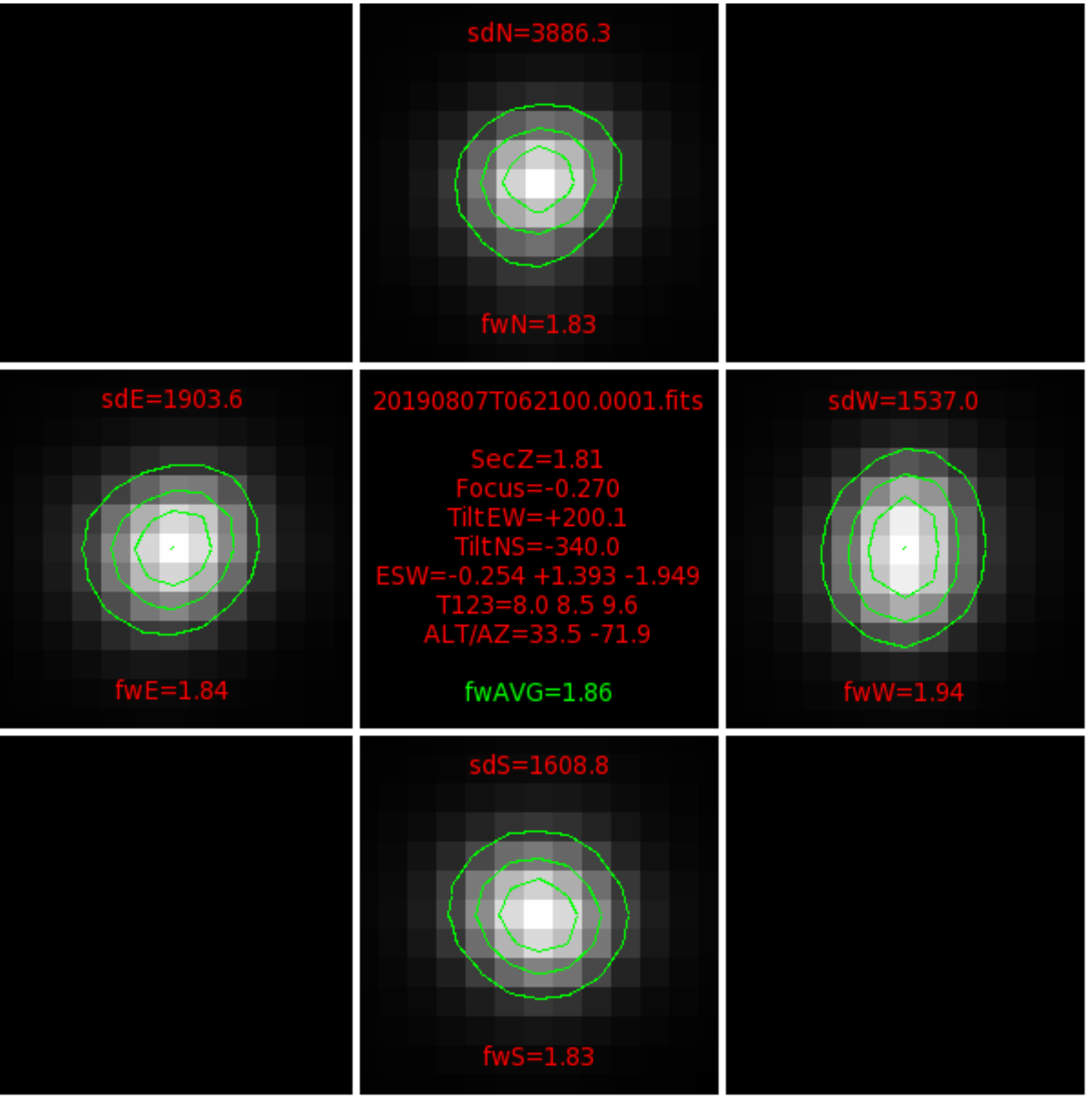
sdN=3886.3
fwN=1.83
sdE=1903.6
fwE=1.84
20190807T062100.0001.fits
SecZ=1.81
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.5 9.6
ALT/AZ=33.5 -71.9
fwAVG=1.86
sdW=1537.0
fwW=1.94
sdS=1608.8
fwS=1.83
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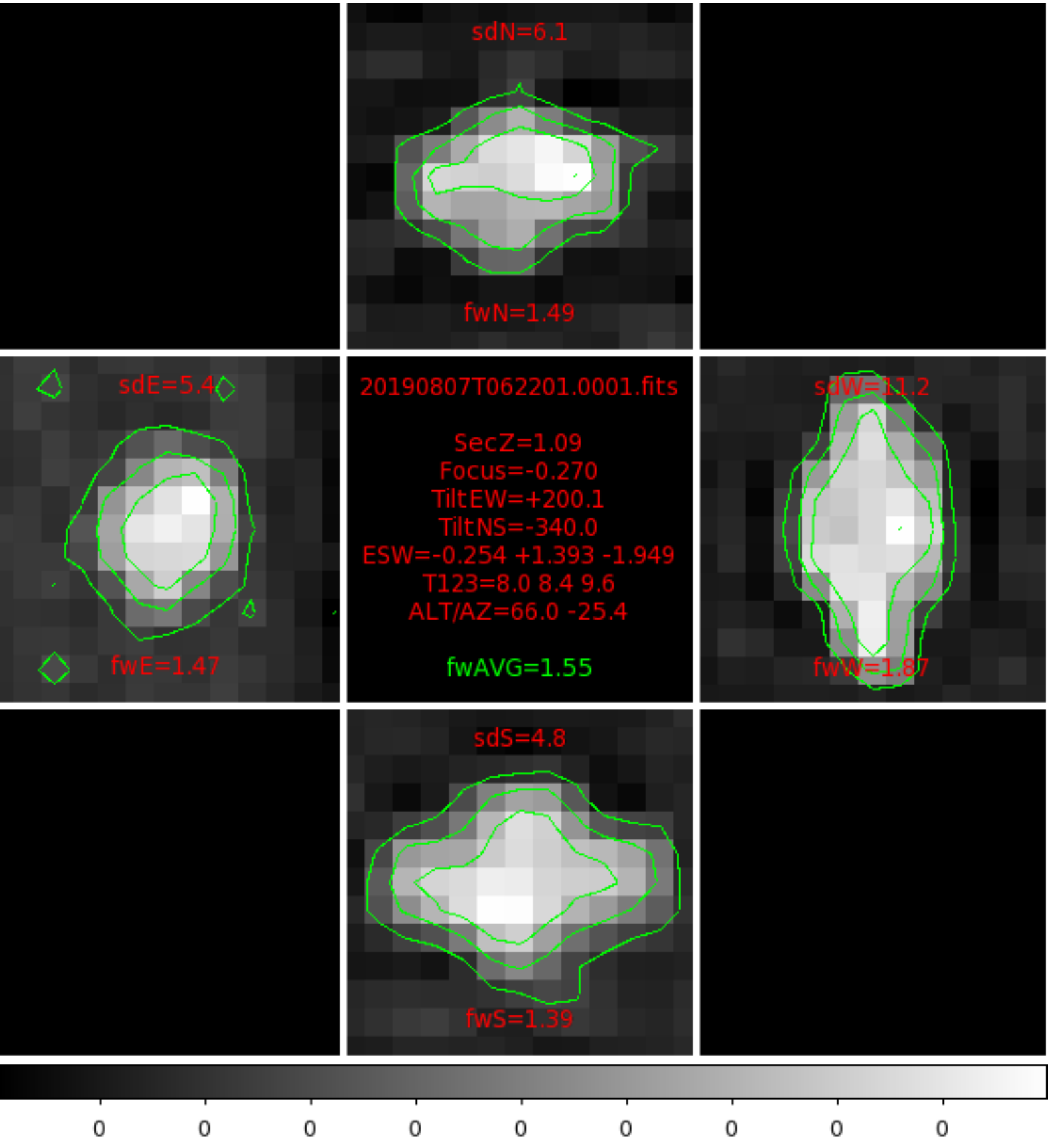
sdN=6.1
fwN=1.49
sdE=5.4
fwE=1.47
20190807T062201.0001.fits
SecZ=1.09
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.4 9.6
ALT/AZ=66.0 -25.4
fwAVG=1.55
sdW=11.2
fwW=1.87
sdS=4.8
fwS=1.39
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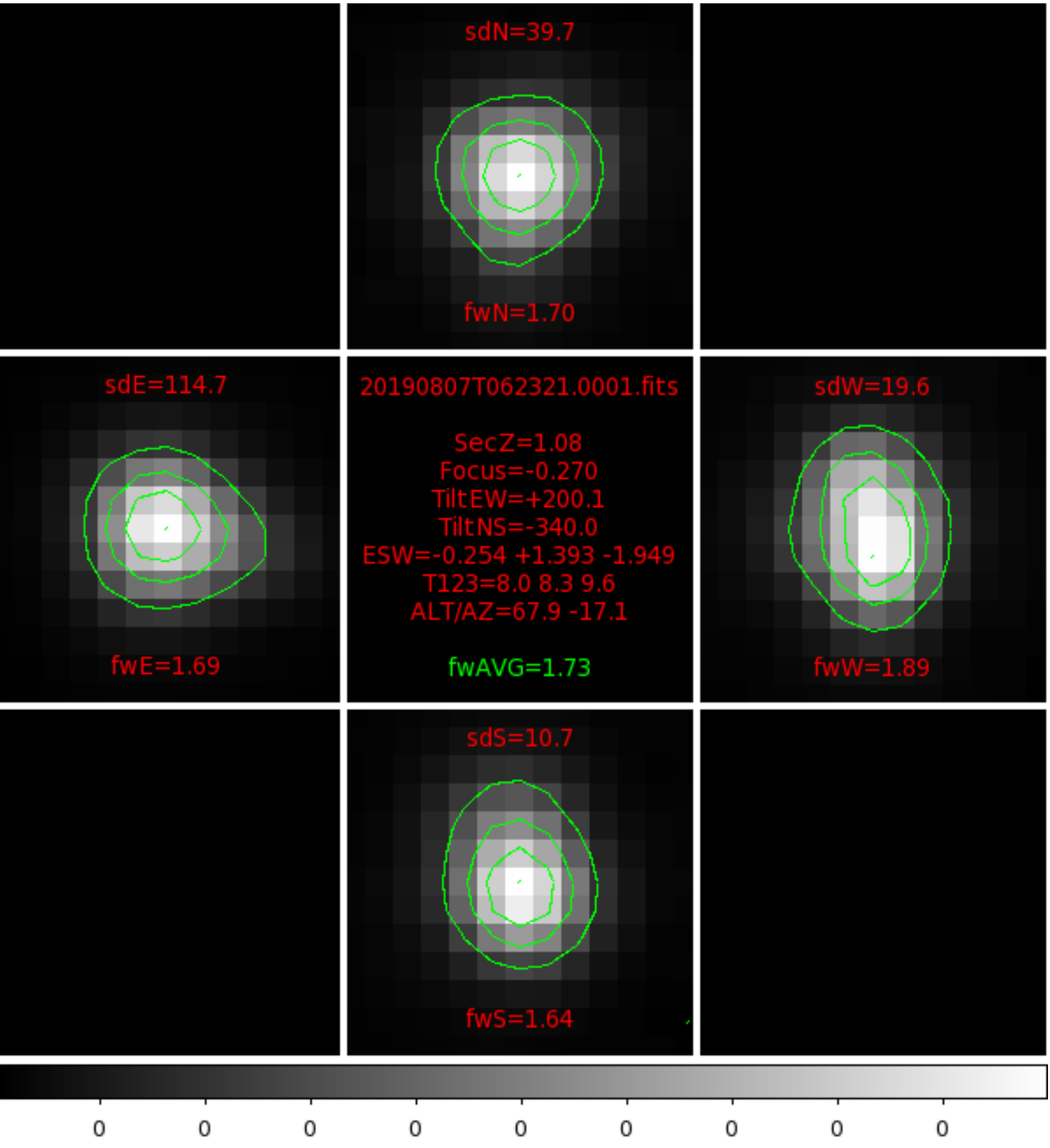
sdN=39.7
fwN=1.70
sdE=114.7
fwE=1.69
20190807T062321.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=8.0 8.3 9.6
ALT/AZ=67.9 -17.1
fwAVG=1.73
sdW=19.6
fwW=1.89
sdS=10.7
fwS=1.64
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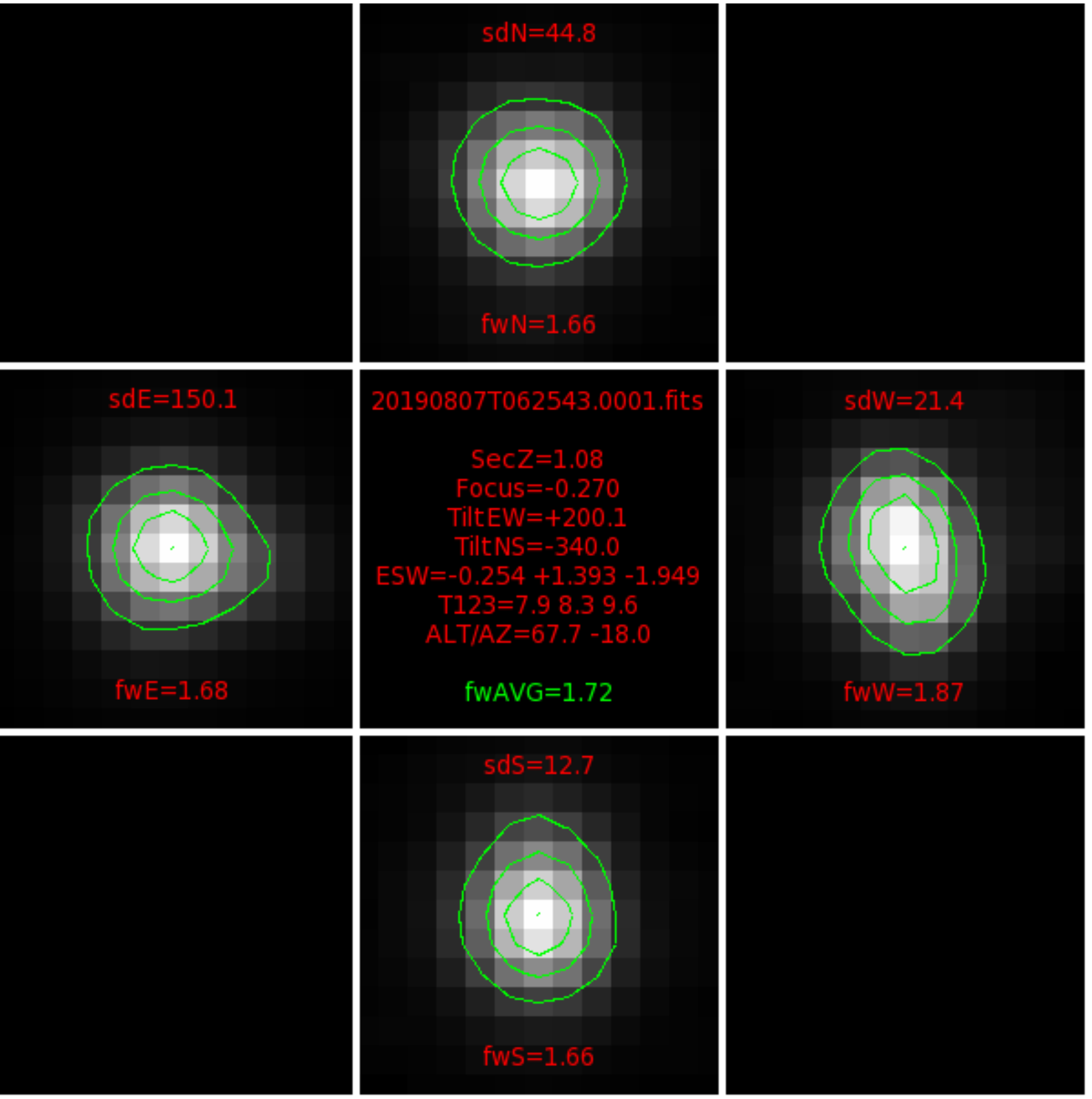
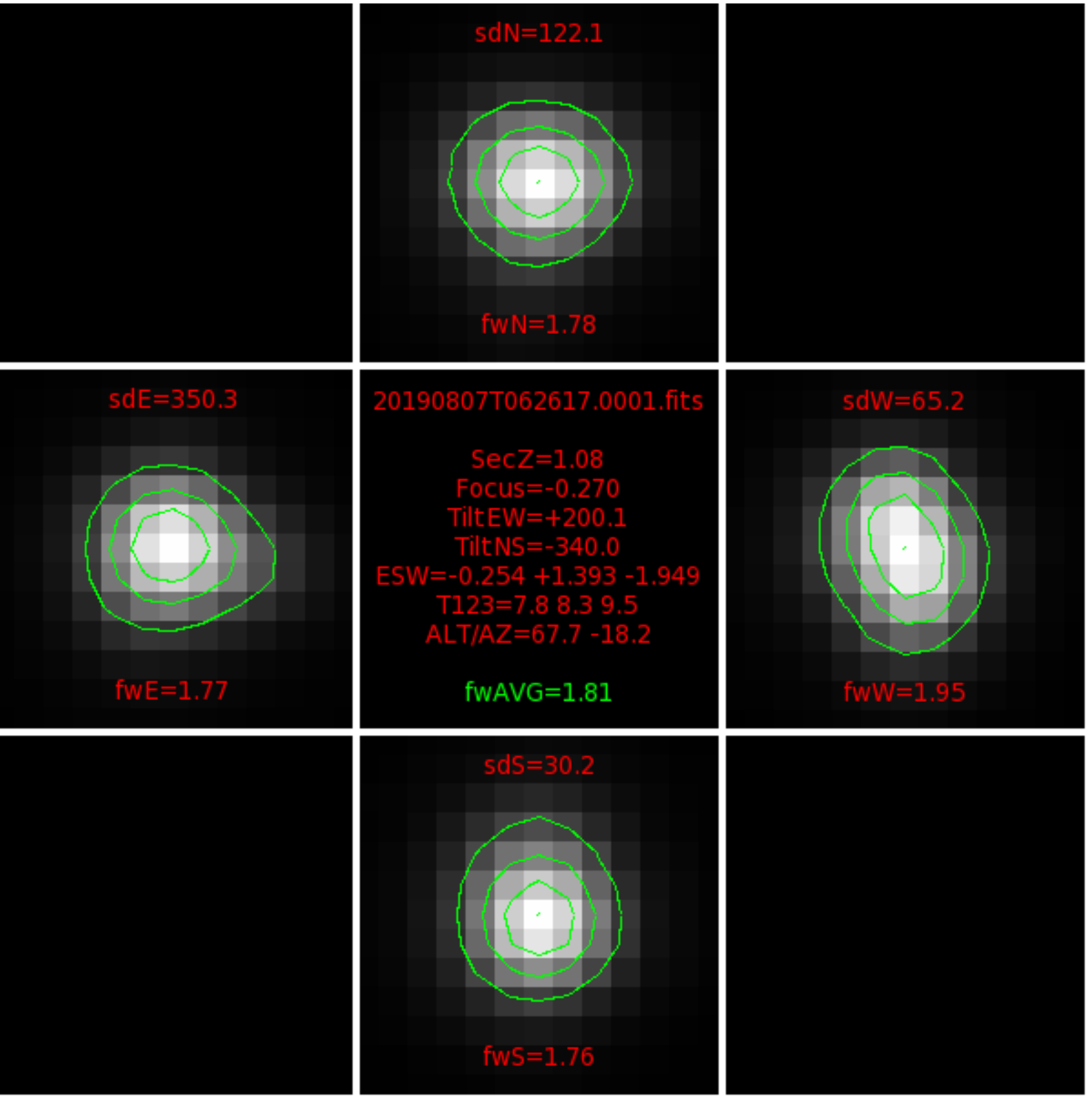
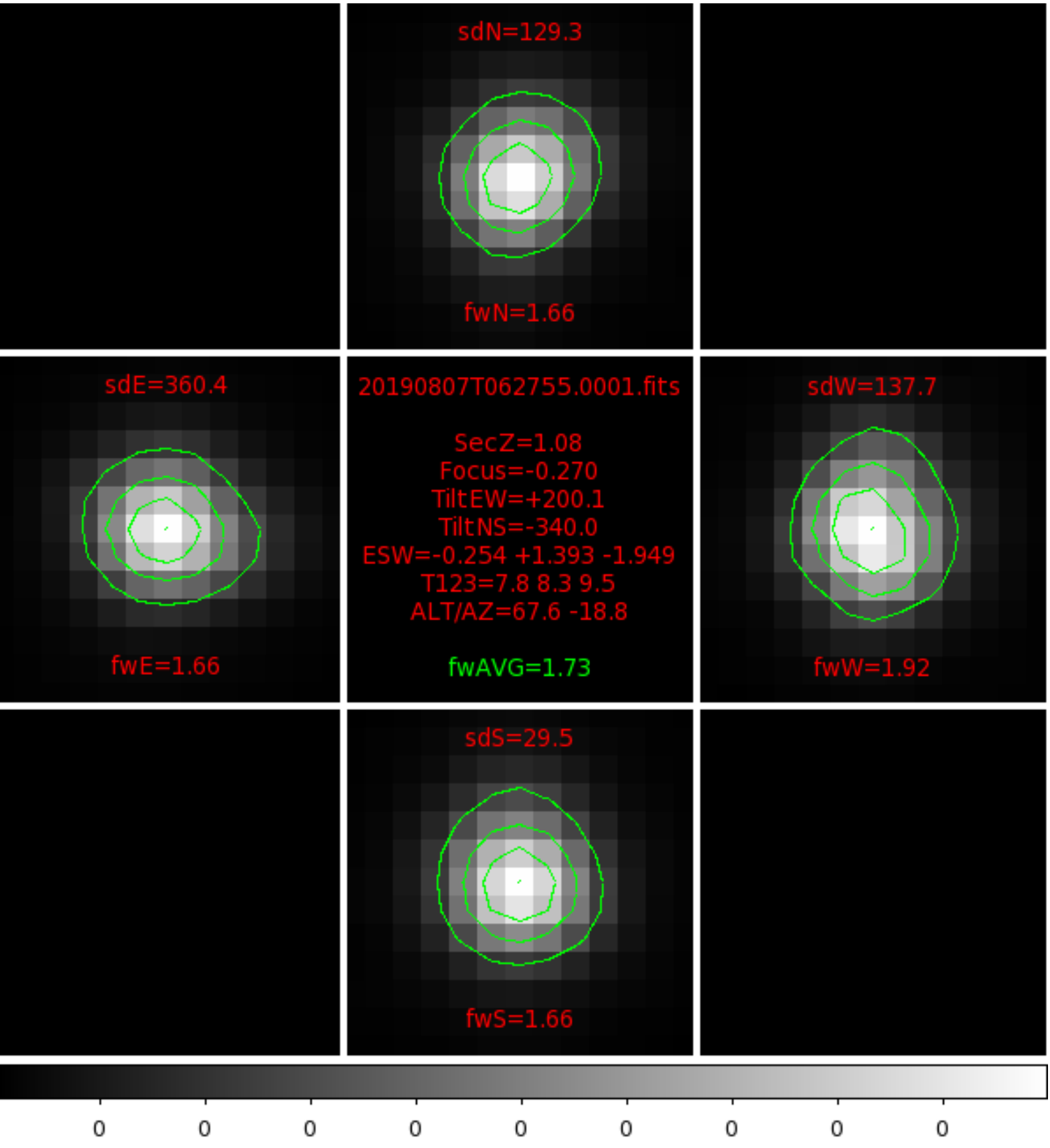

sdN=44.8
fwN=1.66
sdE=150.1
fwE=1.68
20190807T062543.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.9 8.3 9.6
ALT/AZ=67.7 -18.0
fwAVG=1.72
sdW=21.4
fwW=1.87
sdS=12.7
fwS=1.66
0 0 0 0 0 0 0 0 0


sdN=122.1
fwN=1.78
sdE=350.3
fwE=1.77
20190807T062617.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 8.3 9.5
ALT/AZ=67.7 -18.2
fwAVG=1.81
sdW=65.2
fwW=1.95
sdS=30.2
fwS=1.76
0 0 0 0 0 0 0 0 0


sdN=129.3
fwN=1.66
sdE=360.4
fwE=1.66
20190807T062755.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 8.3 9.5
ALT/AZ=67.6 -18.8
fwAVG=1.73
sdW=137.7
fwW=1.92
sdS=29.5
fwS=1.66
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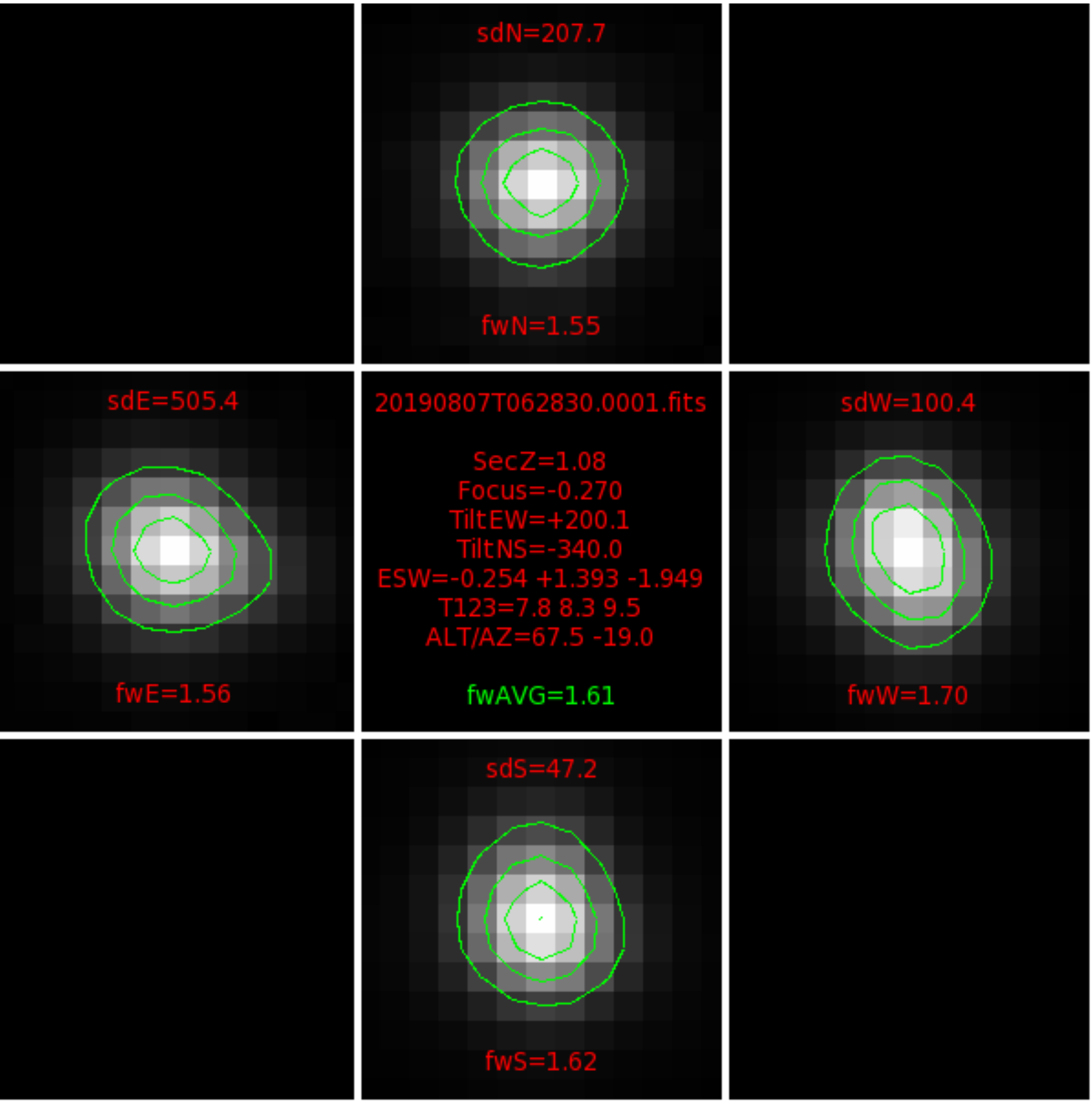
sdN=207.7
fwN=1.55
sdE=505.4
fwE=1.56
20190807T062830.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.8 8.3 9.5
ALT/AZ=67.5 -19.0
fwAVG=1.61
sdW=100.4
fwW=1.70
sdS=47.2
fwS=1.62
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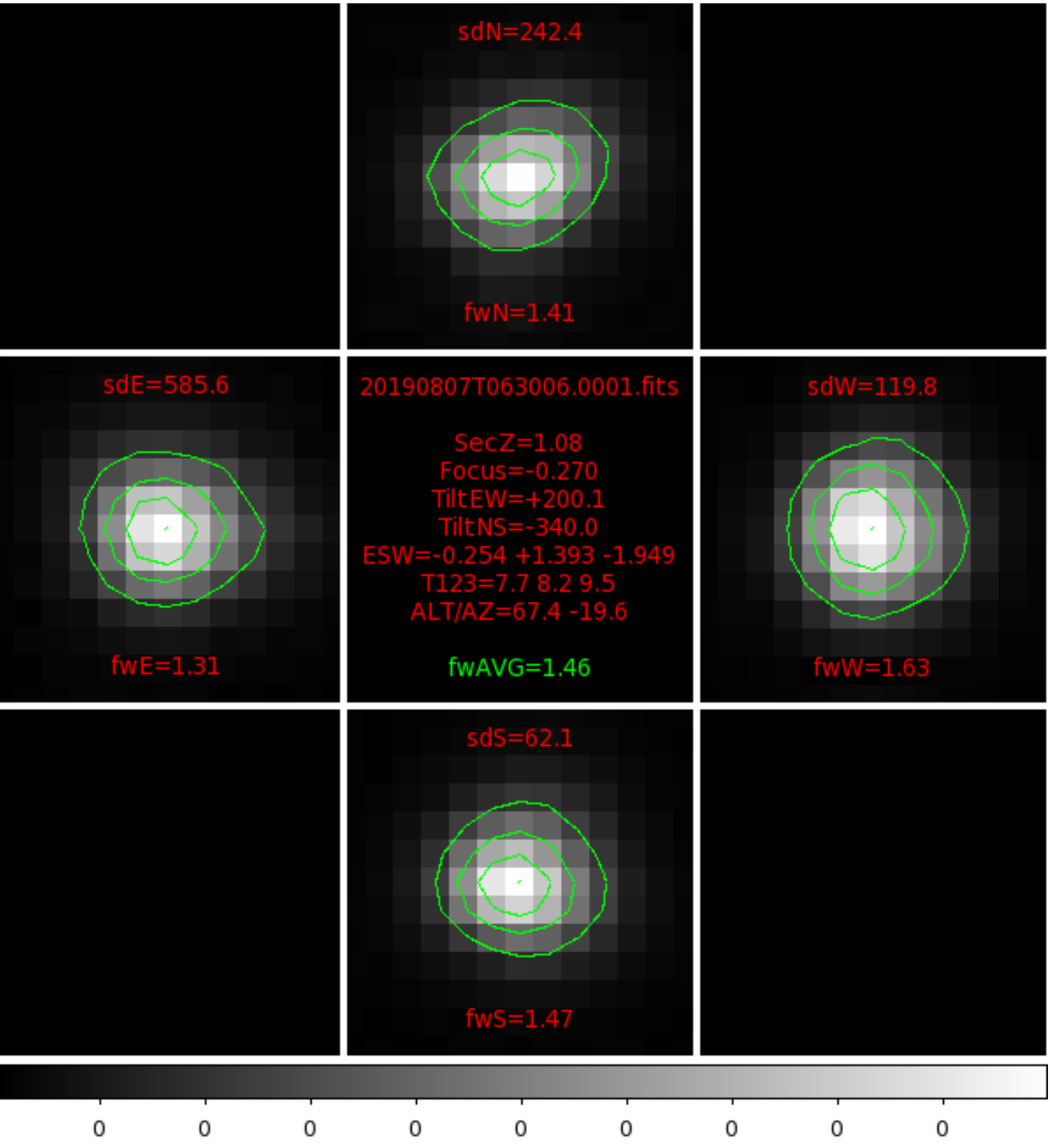
sdN=242.4
fwN=1.41
sdE=585.6
fwE=1.31
20190807T063006.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.7 8.2 9.5
ALT/AZ=67.4 -19.6
fwAVG=1.46
sdW=119.8
fwW=1.63
sdS=62.1
fwS=1.47
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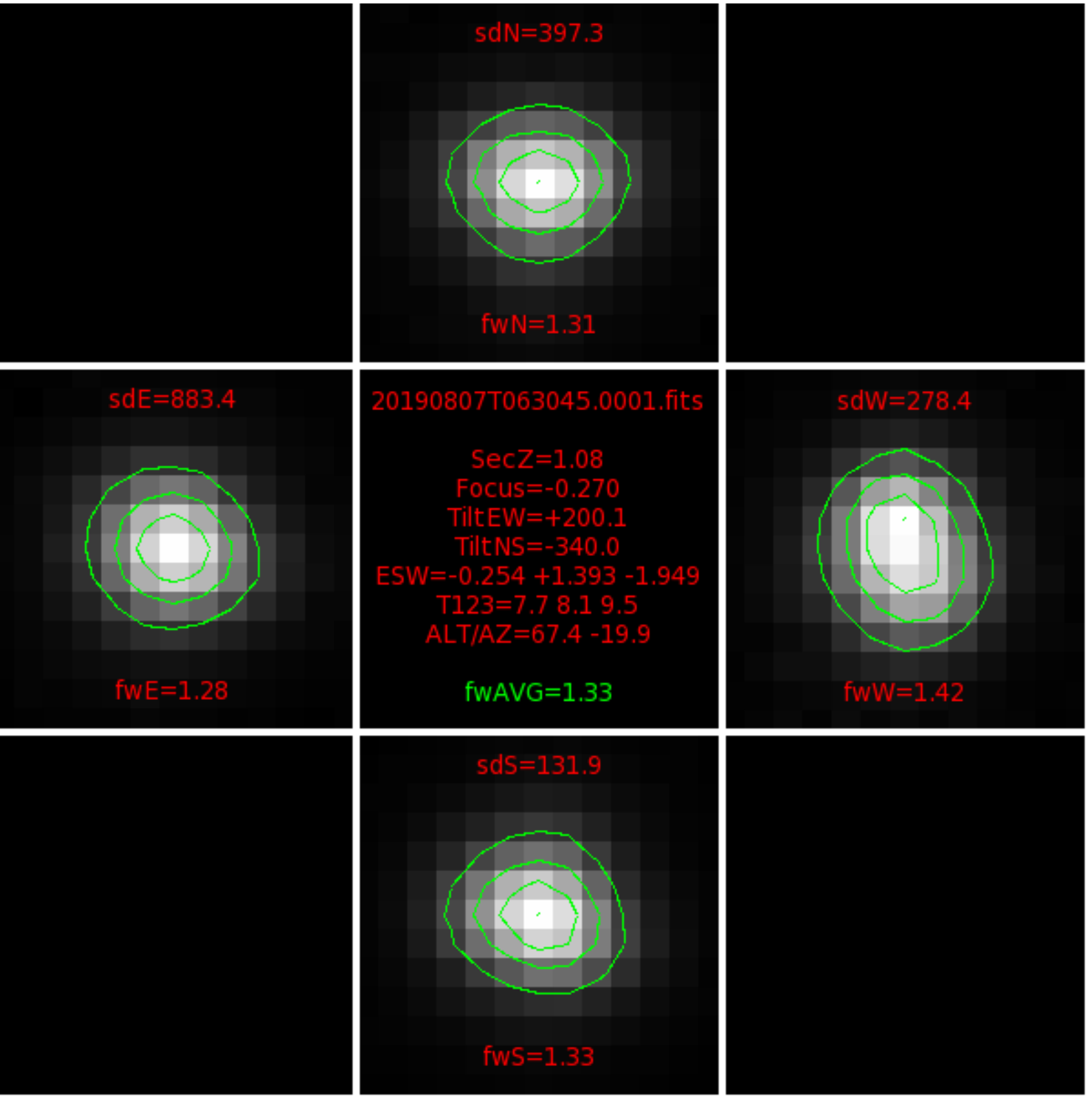
sdN=397.3
fwN=1.31
sdE=883.4
fwE=1.28
20190807T063045.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.7 8.1 9.5
ALT/AZ=67.4 -19.9
fwAVG=1.33
sdW=278.4
fwW=1.42
sdS=131.9
fwS=1.33
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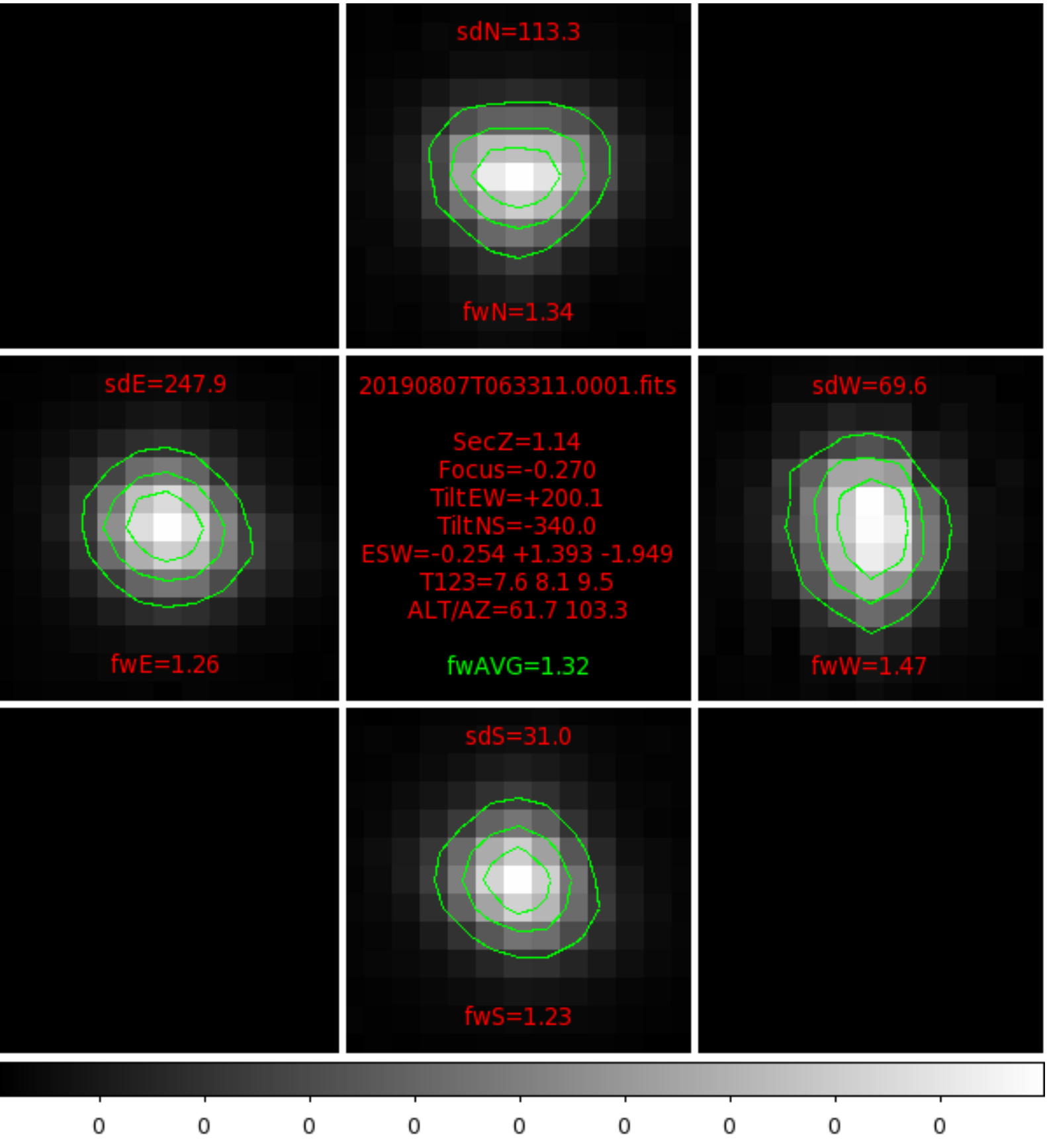
sdN=113.3
fwN=1.34
sdE=247.9
fwE=1.26
20190807T063311.0001.fits
SecZ=1.14
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.6 8.1 9.5
ALT/AZ=61.7 103.3
fwAVG=1.32
sdW=69.6
fwW=1.47
sdS=31.0
fwS=1.23
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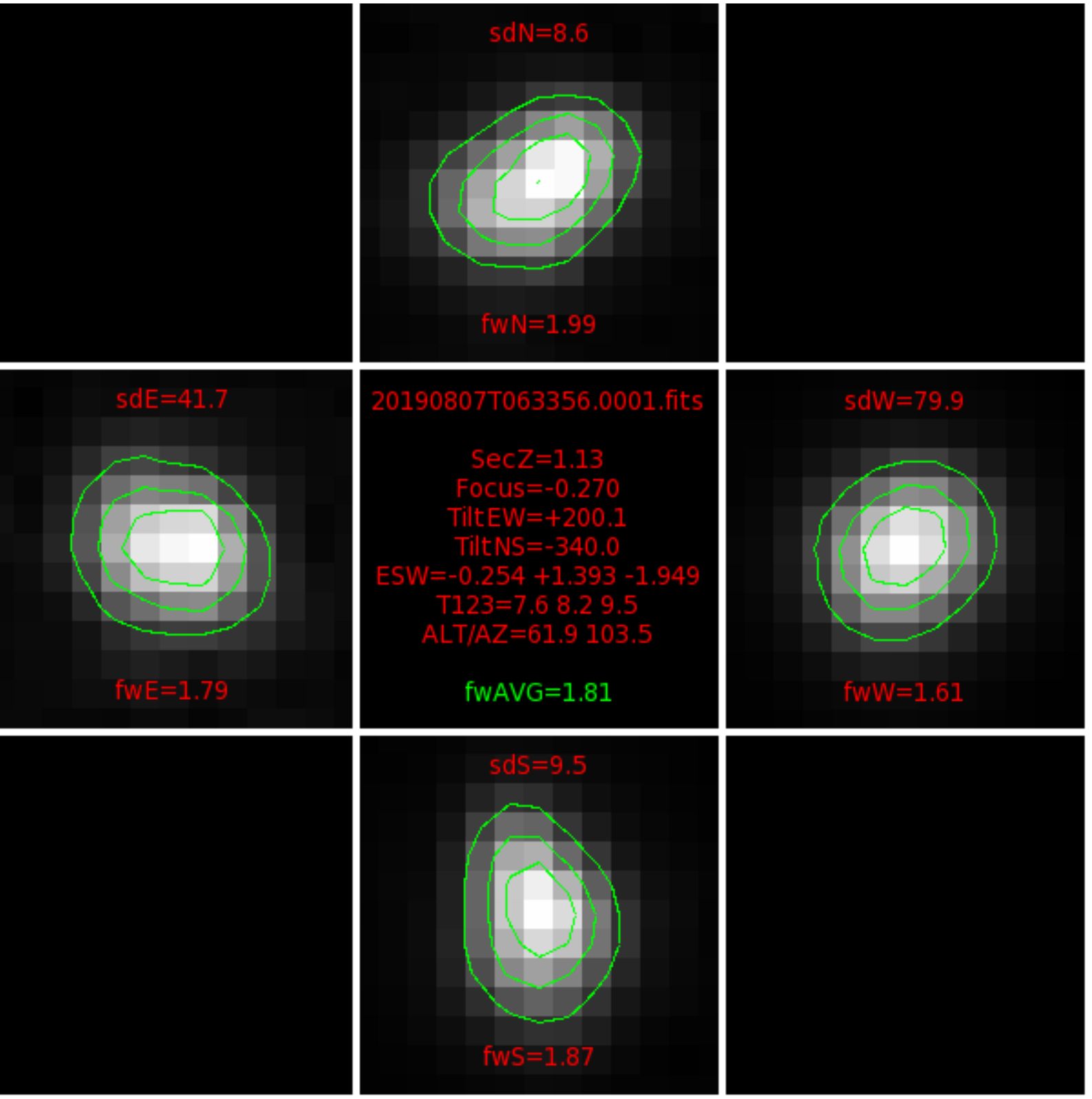
sdN=8.6
fwN=1.99
sdE=41.7
fwE=1.79
20190807T063356.0001.fits
SecZ=1.13
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.6 8.2 9.5
ALT/AZ=61.9 103.5
fwAVG=1.81
sdW=79.9
fwW=1.61
sdS=9.5
fwS=1.87
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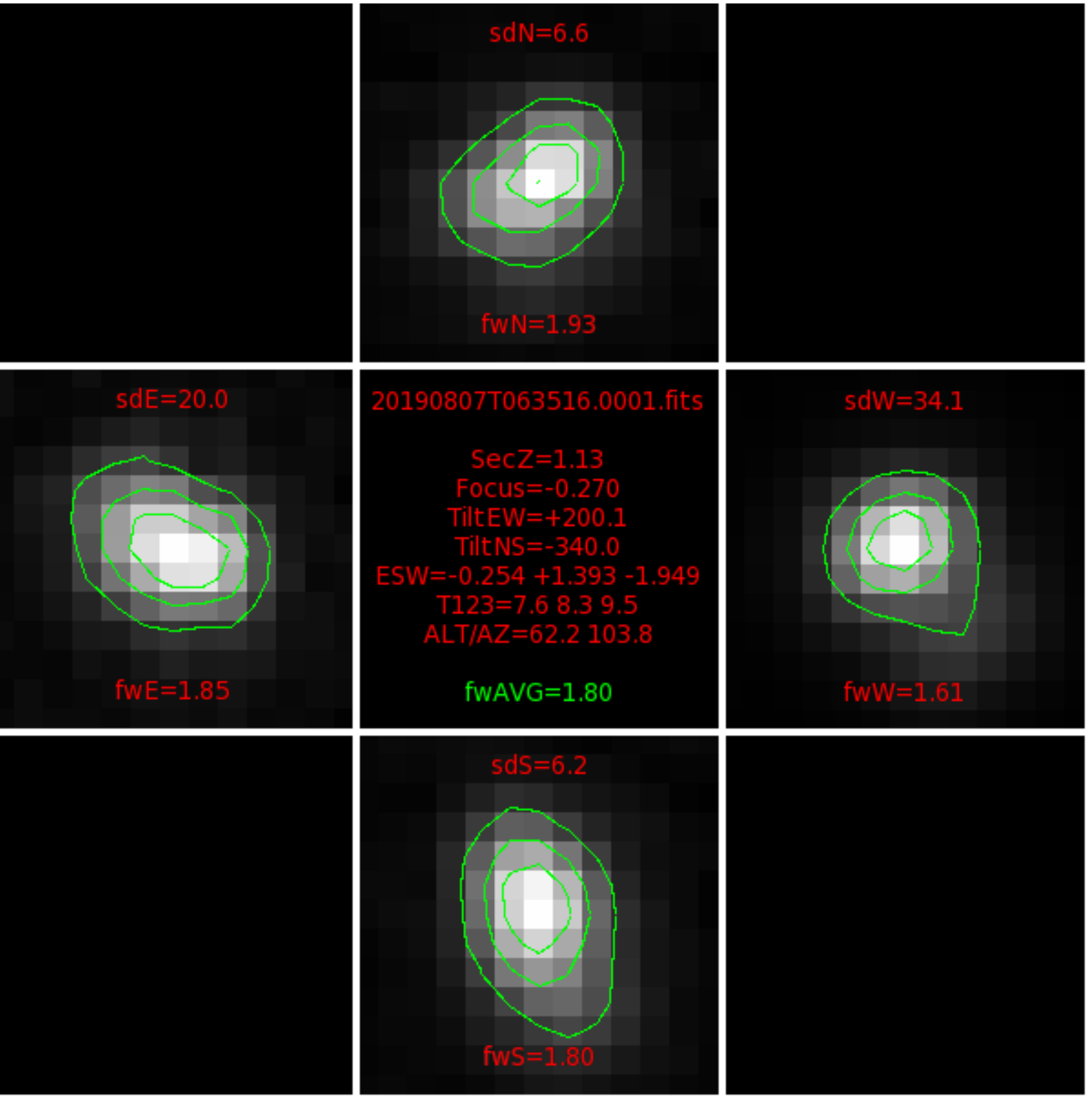
sdN=6.6
fwN=1.93
sdE=20.0
fwE=1.85
20190807T063516.0001.fits
SecZ=1.13
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.6 8.3 9.5
ALT/AZ=62.2 103.8
fwAVG=1.80
sdW=34.1
fwW=1.61
sdS=6.2
fwS=1.80
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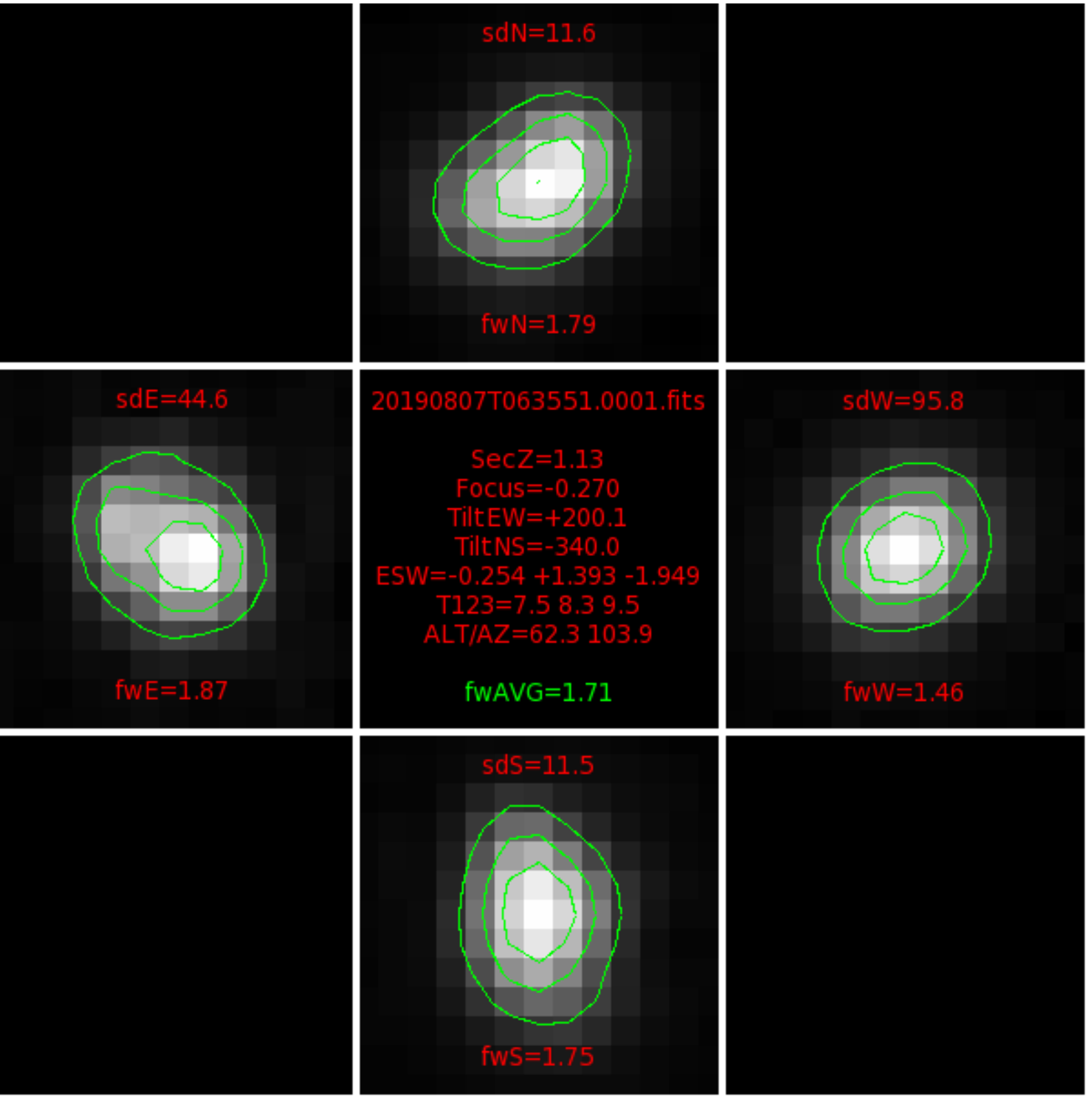
sdN=11.6
fwN=1.79
sdE=44.6
fwE=1.87
20190807T063551.0001.fits
SecZ=1.13
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.5 8.3 9.5
ALT/AZ=62.3 103.9
fwAVG=1.71
sdW=95.8
fwW=1.46
sdS=11.5
fwS=1.75
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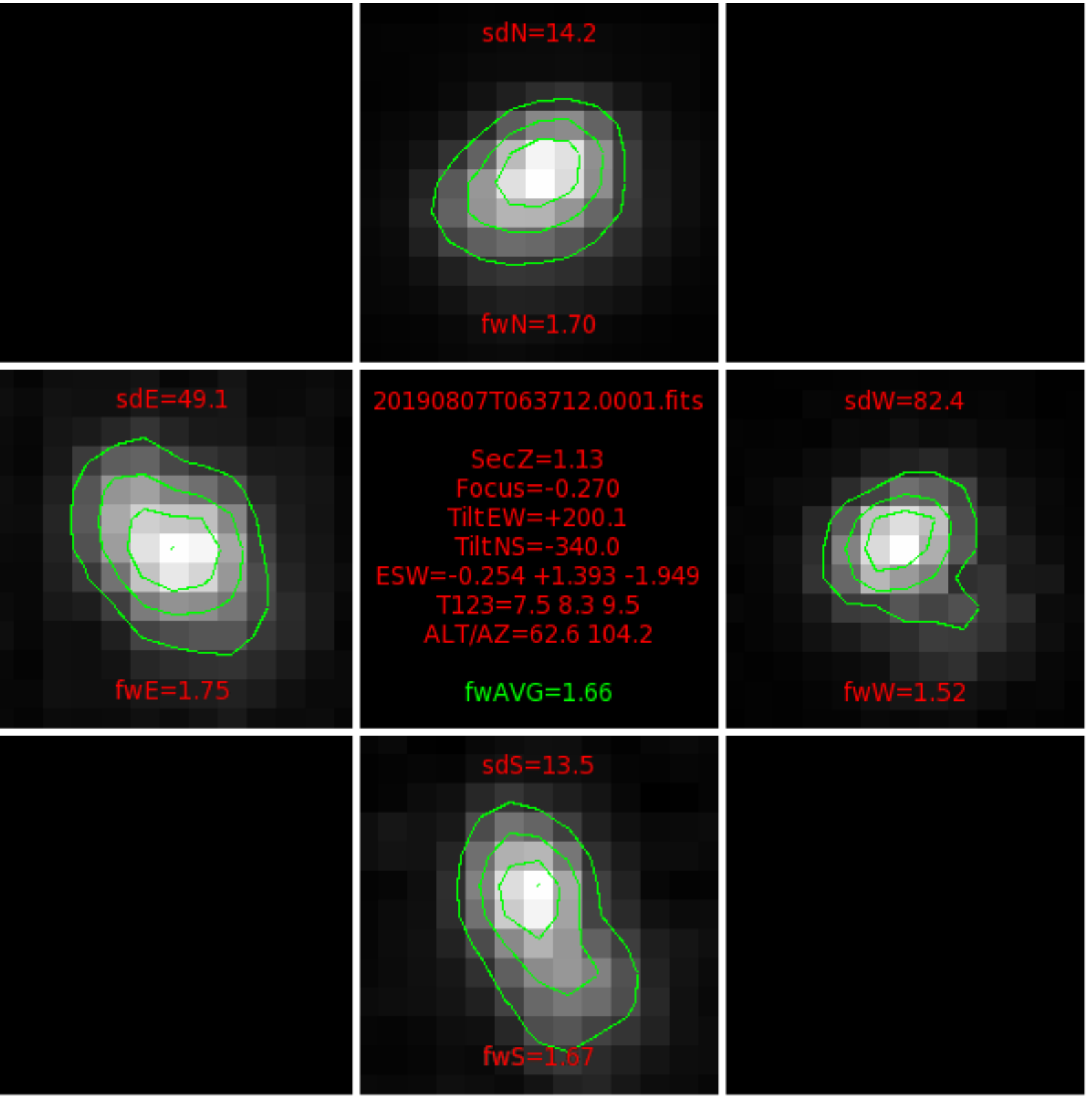
sdN=14.2
fwN=1.70
sdE=49.1
fwE=1.75
20190807T063712.0001.fits
SecZ=1.13
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.5 8.3 9.5
ALT/AZ=62.6 104.2
fwAVG=1.66
sdW=82.4
fwW=1.52
sdS=13.5
fwS=1.67
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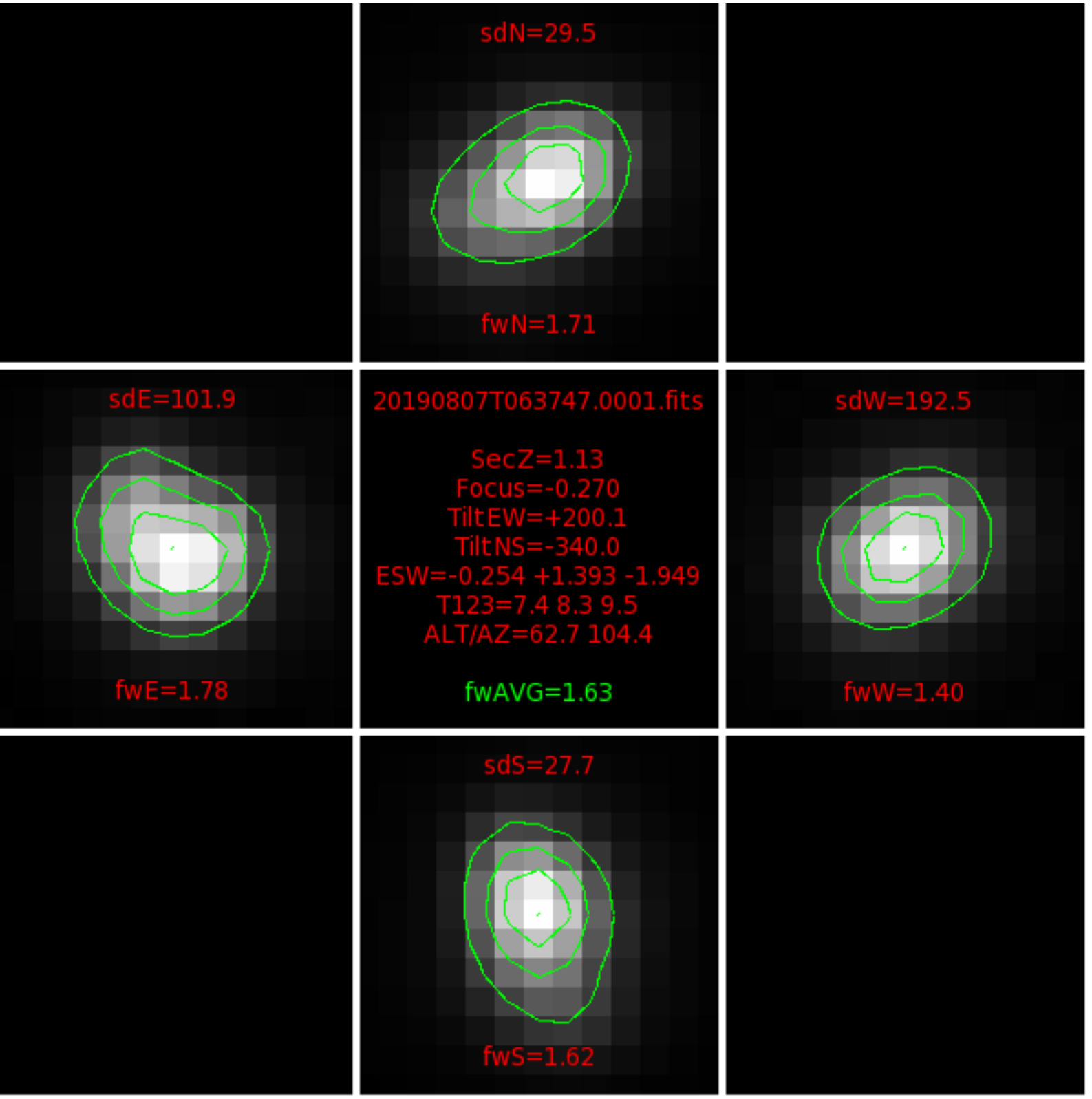
sdN=29.5
fwN=1.71
sdE=101.9
fwE=1.78
20190807T063747.0001.fits
SecZ=1.13
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.4 8.3 9.5
ALT/AZ=62.7 104.4
fwAVG=1.63
sdW=192.5
fwW=1.40
sdS=27.7
fwS=1.62
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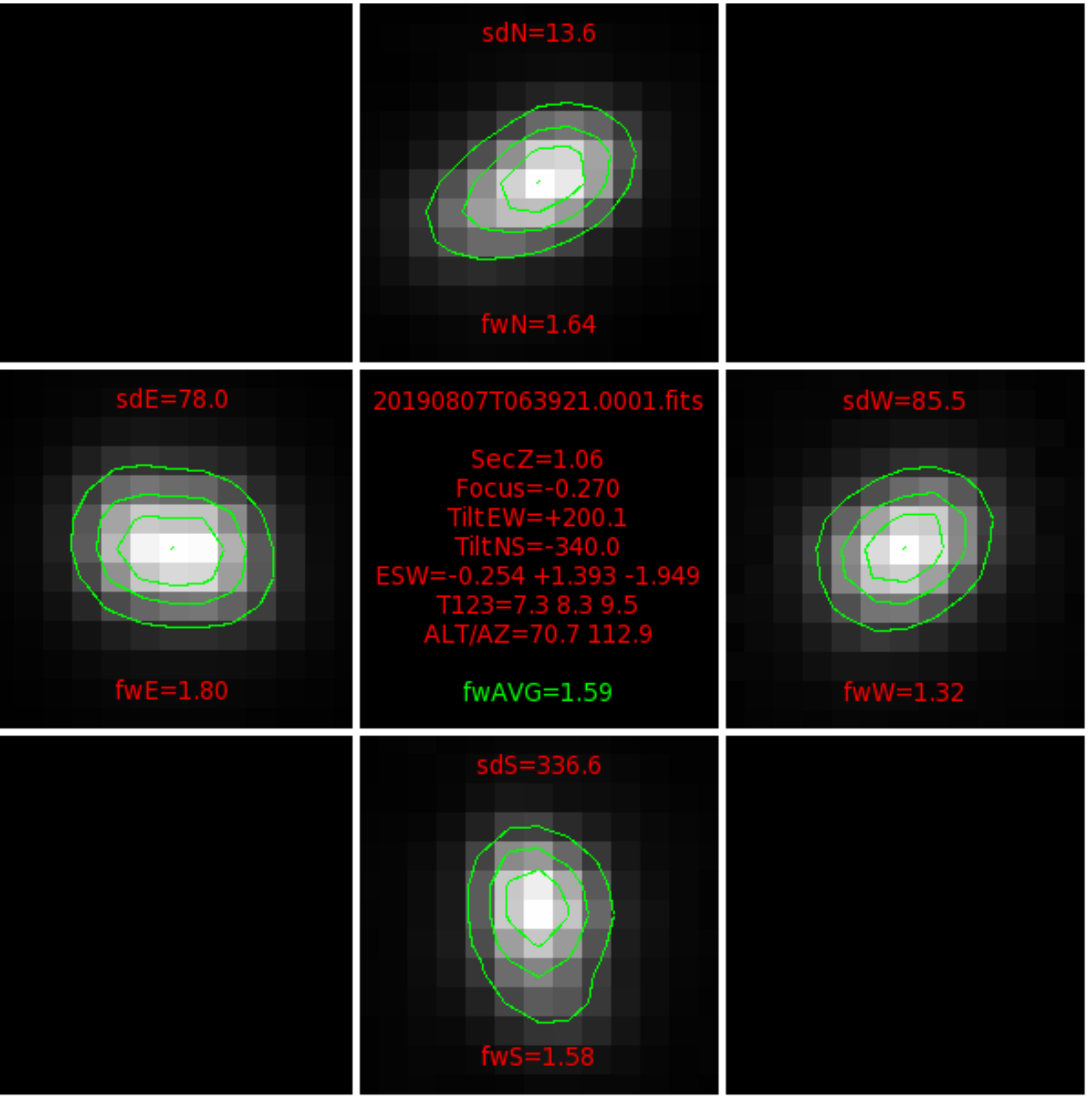
sdN=13.6
fwN=1.64
sdE=78.0
fwE=1.80
20190807T063921.0001.fits
SecZ=1.06
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.3 8.3 9.5
ALT/AZ=70.7 112.9
fwAVG=1.59
sdW=85.5
fwW=1.32
sdS=336.6
fwS=1.58
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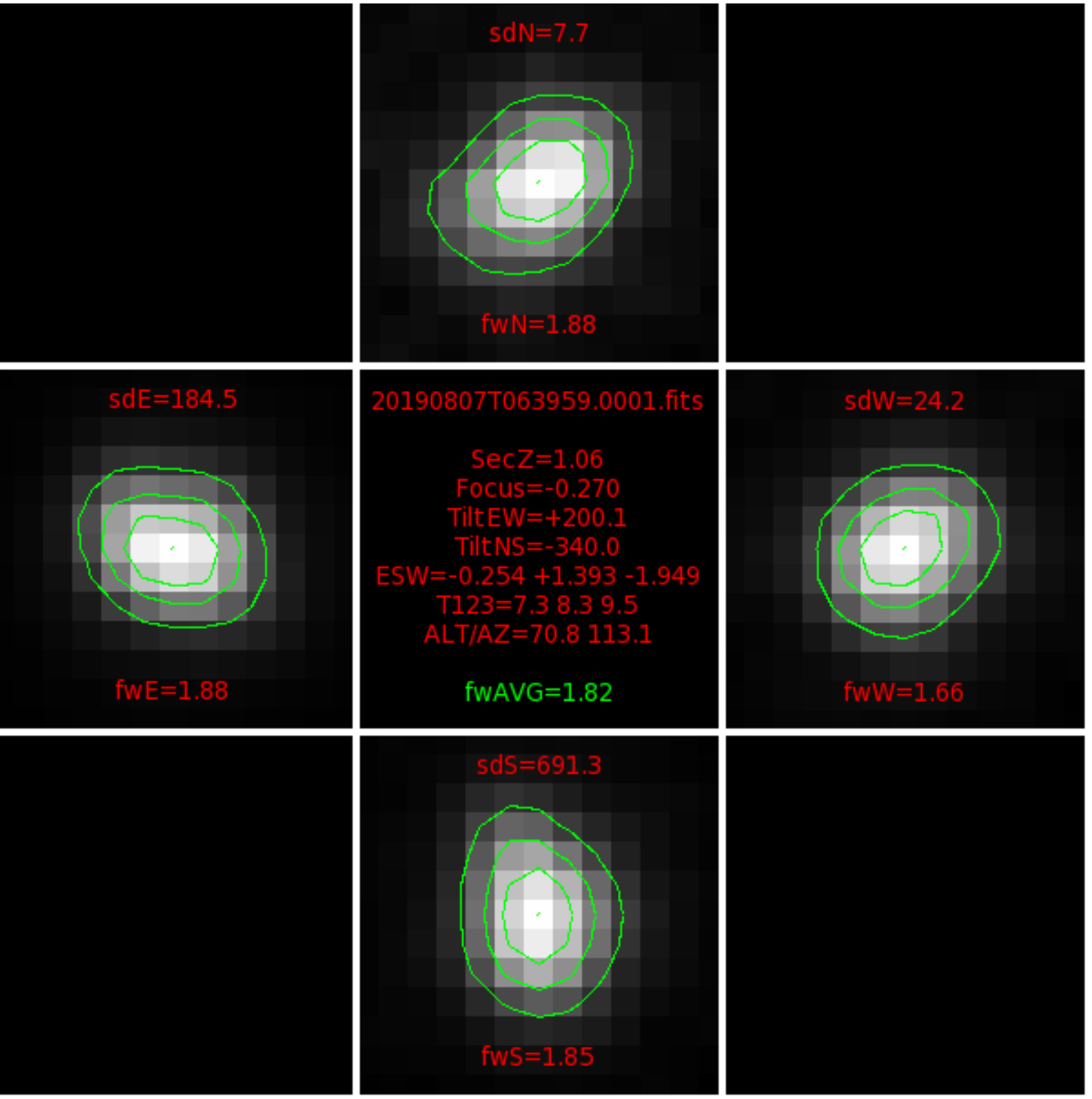
sdN=7.7
fwN=1.88
sdE=184.5
fwE=1.88
20190807T063959.0001.fits
SecZ=1.06
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.3 8.3 9.5
ALT/AZ=70.8 113.1
fwAVG=1.82
sdW=24.2
fwW=1.66
sdS=691.3
fwS=1.85
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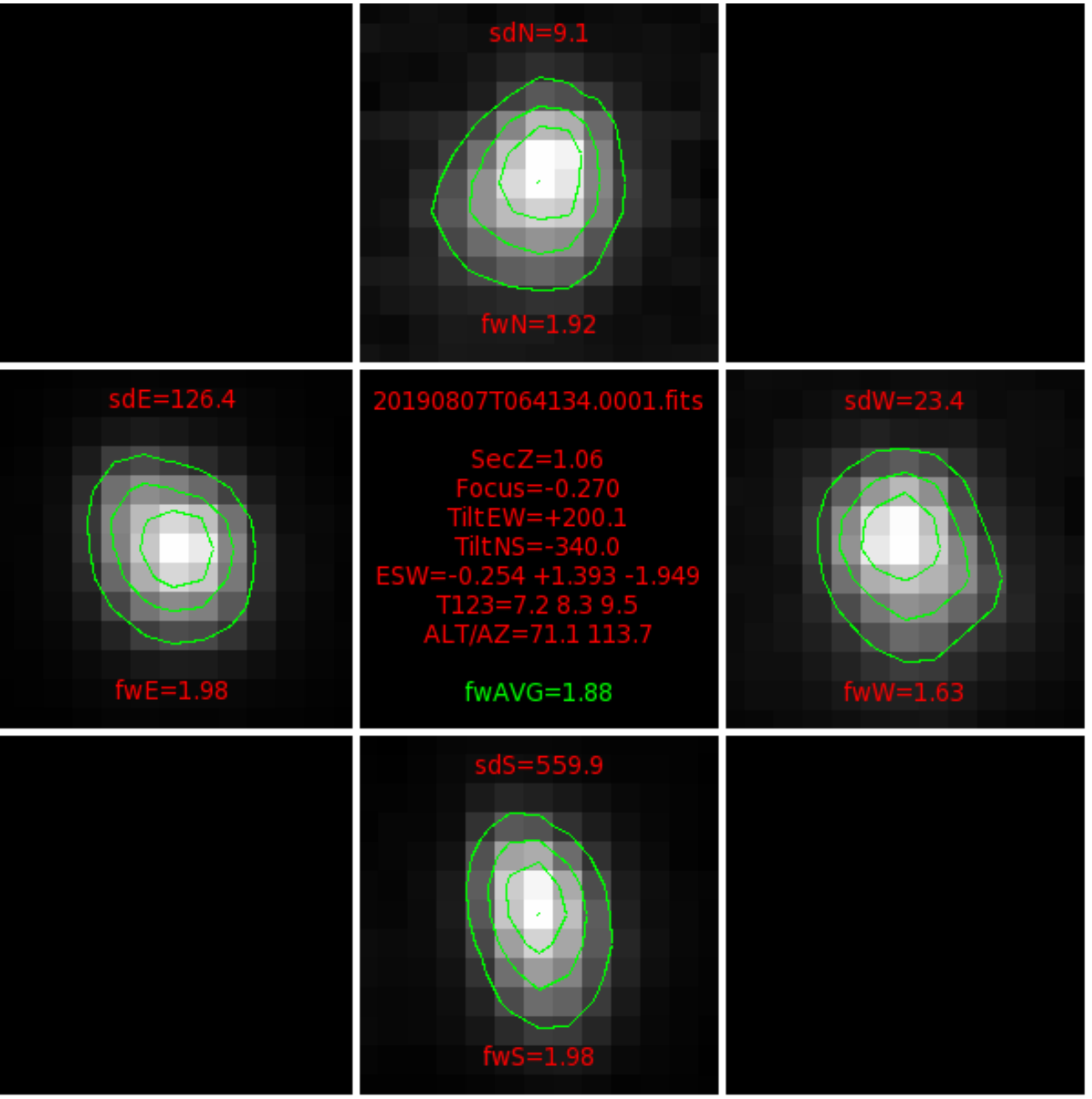
sdN=9.1
fwN=1.92
sdE=126.4
fwE=1.98
20190807T064134.0001.fits
SecZ=1.06
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.2 8.3 9.5
ALT/AZ=71.1 113.7
fwAVG=1.88
sdW=23.4
fwW=1.63
sdS=559.9
fwS=1.98
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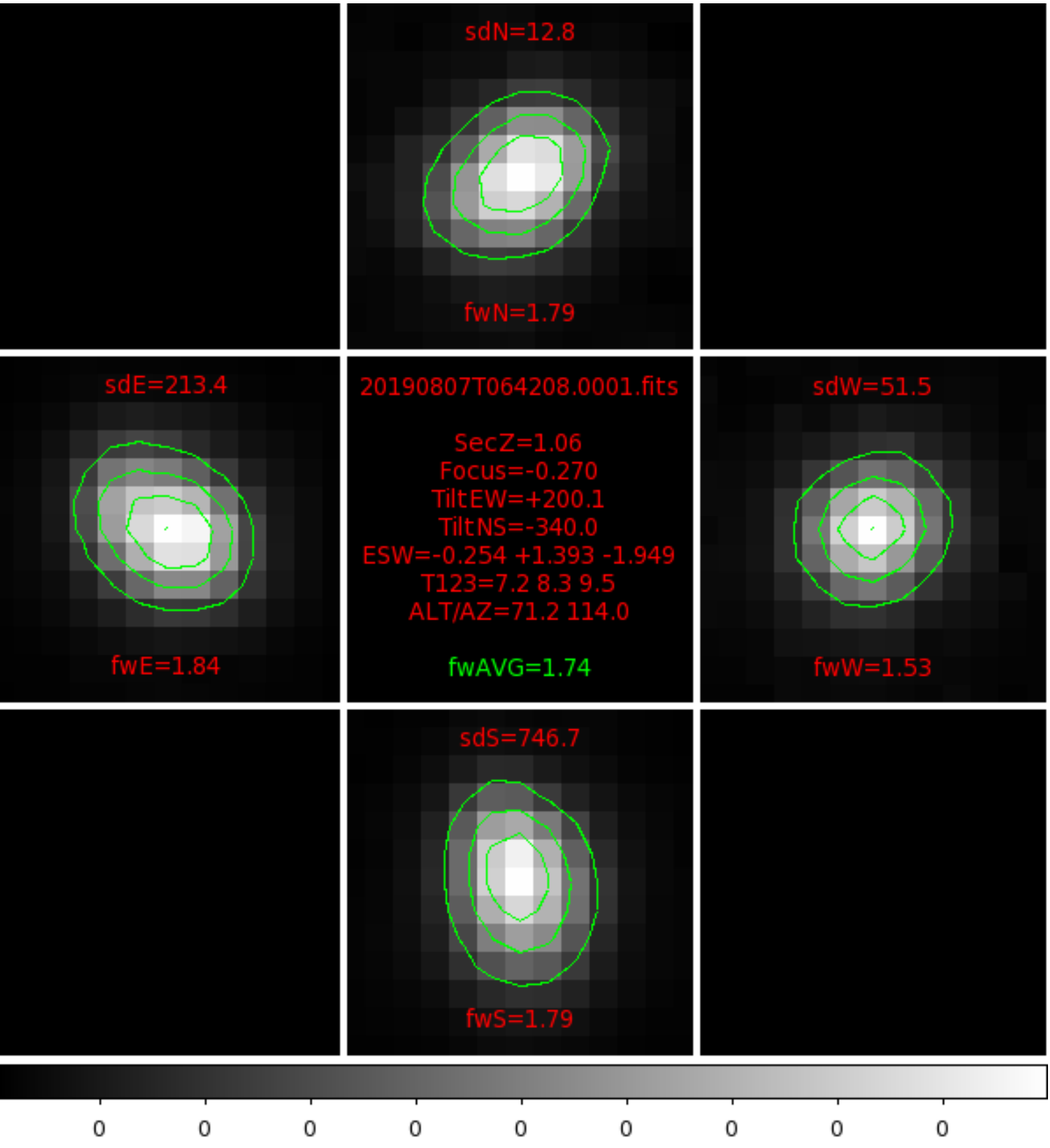
sdN=12.8
fwN=1.79
sdE=213.4
fwE=1.84
20190807T064208.0001.fits
SecZ=1.06
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.2 8.3 9.5
ALT/AZ=71.2 114.0
fwAVG=1.74
sdW=51.5
fwW=1.53
sdS=746.7
fwS=1.79
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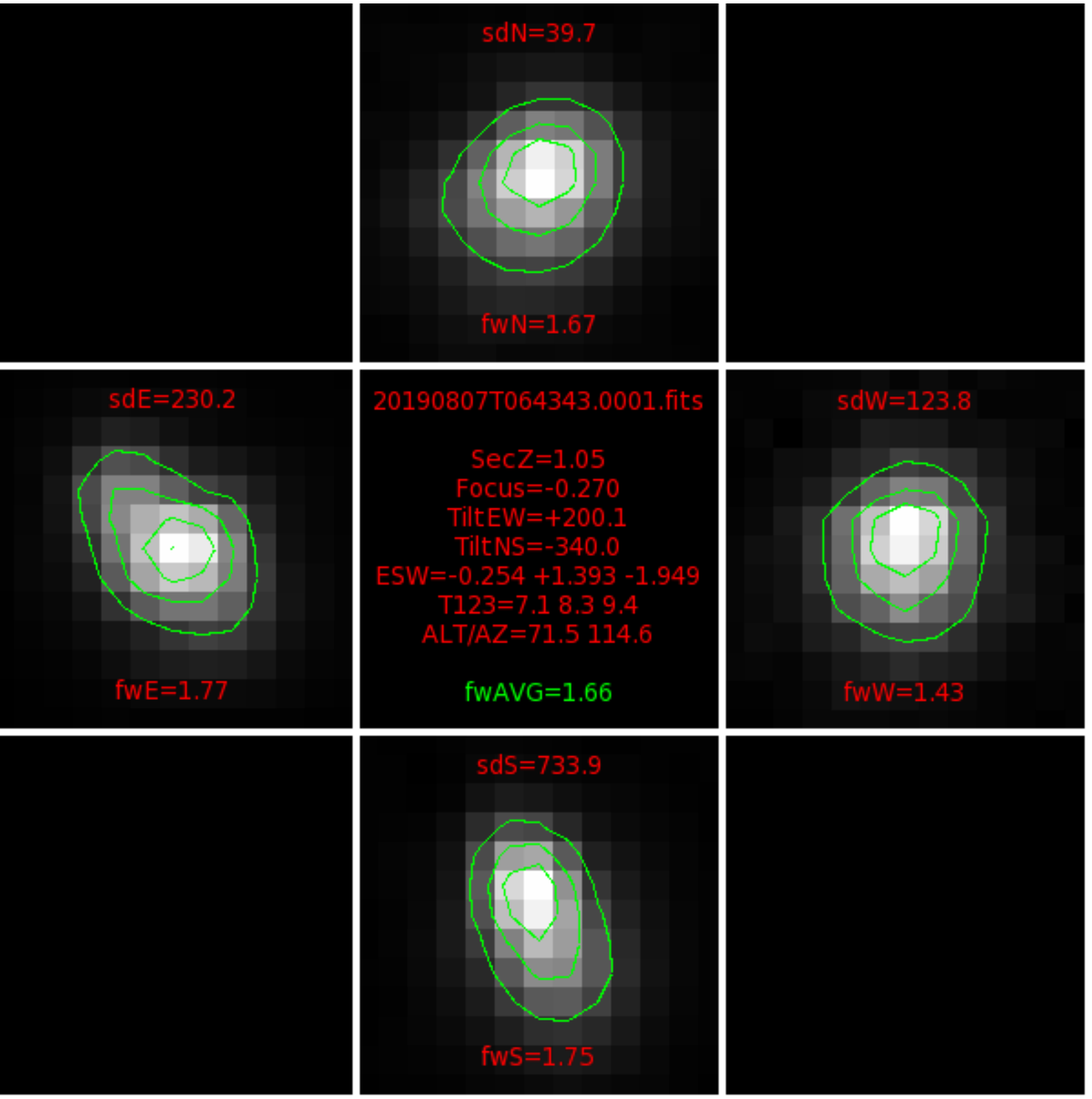
sdN=39.7
fwN=1.67
sdE=230.2
fwE=1.77
20190807T064343.0001.fits
SecZ=1.05
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.1 8.3 9.4
ALT/AZ=71.5 114.6
fwAVG=1.66
sdW=123.8
fwW=1.43
sdS=733.9
fwS=1.75
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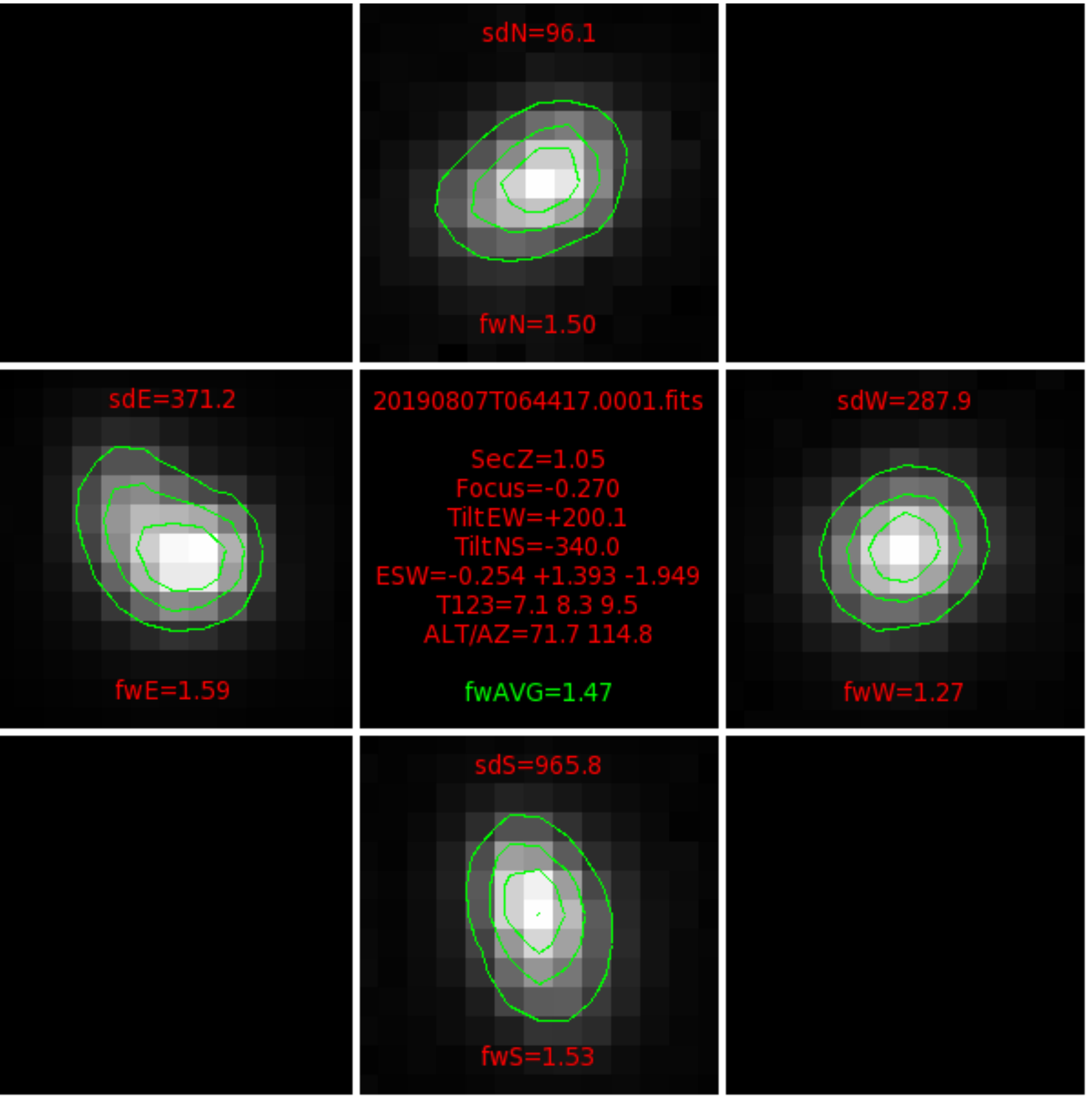
sdN=96.1
fwN=1.50
sdE=371.2
fwE=1.59
20190807T064417.0001.fits
SecZ=1.05
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=7.1 8.3 9.5
ALT/AZ=71.7 114.8
fwAVG=1.47
sdW=287.9
fwW=1.27
sdS=965.8
fwS=1.53
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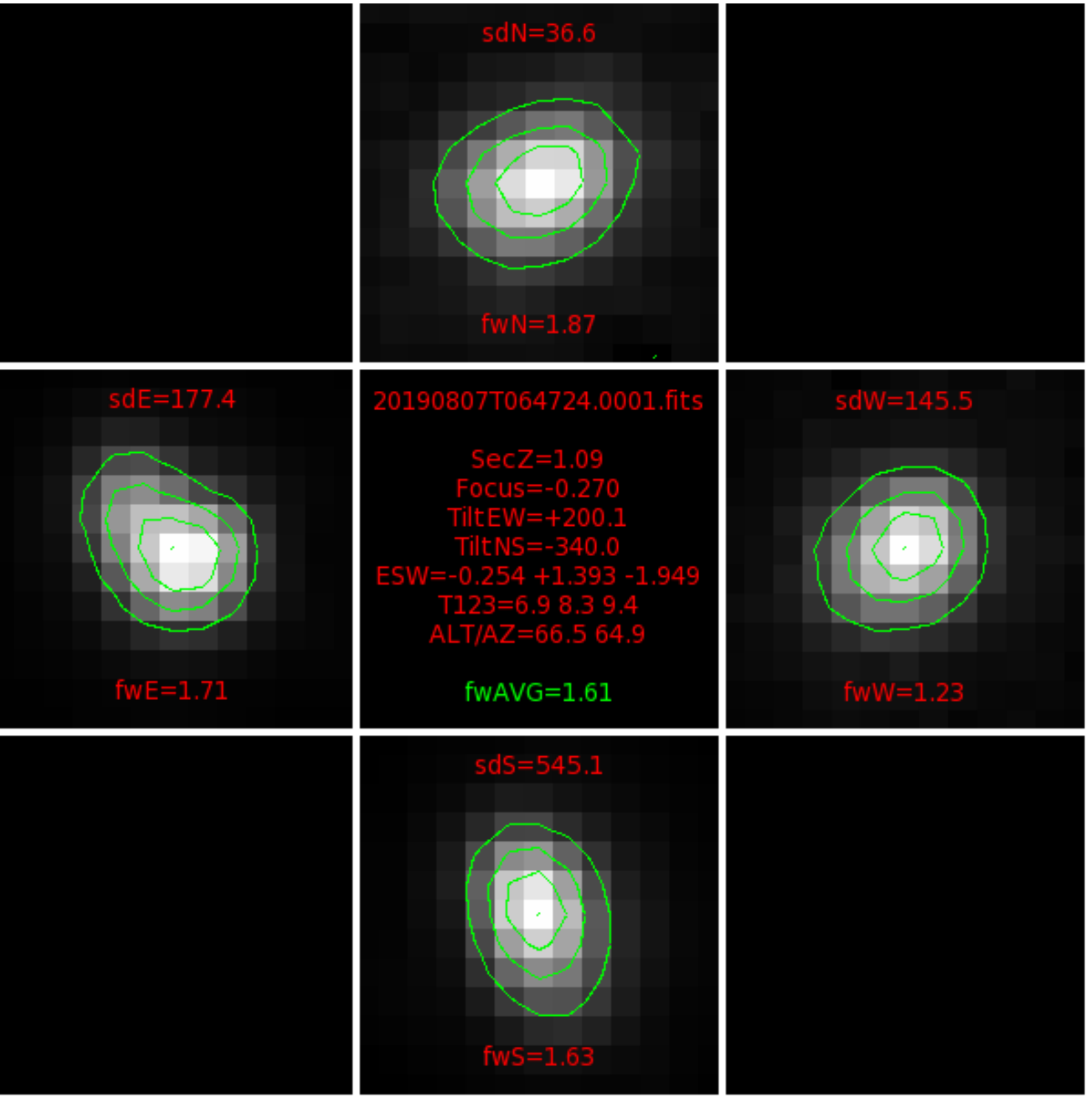
sdN=36.6
fwN=1.87
sdE=177.4
fwE=1.71
20190807T064724.0001.fits
SecZ=1.09
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 8.3 9.4
ALT/AZ=66.5 64.9
fwAVG=1.61
sdW=145.5
fwW=1.23
sdS=545.1
fwS=1.63
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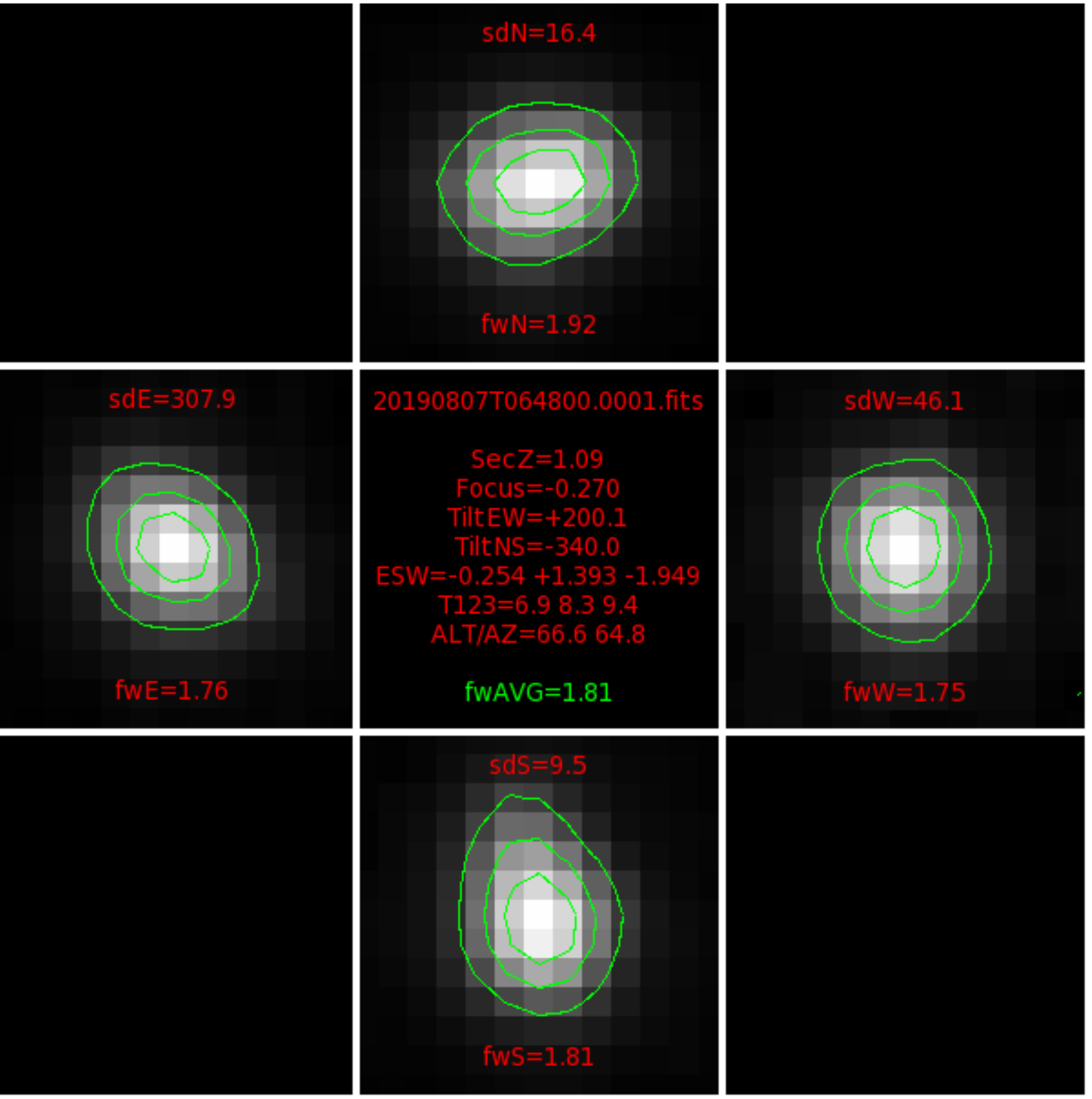
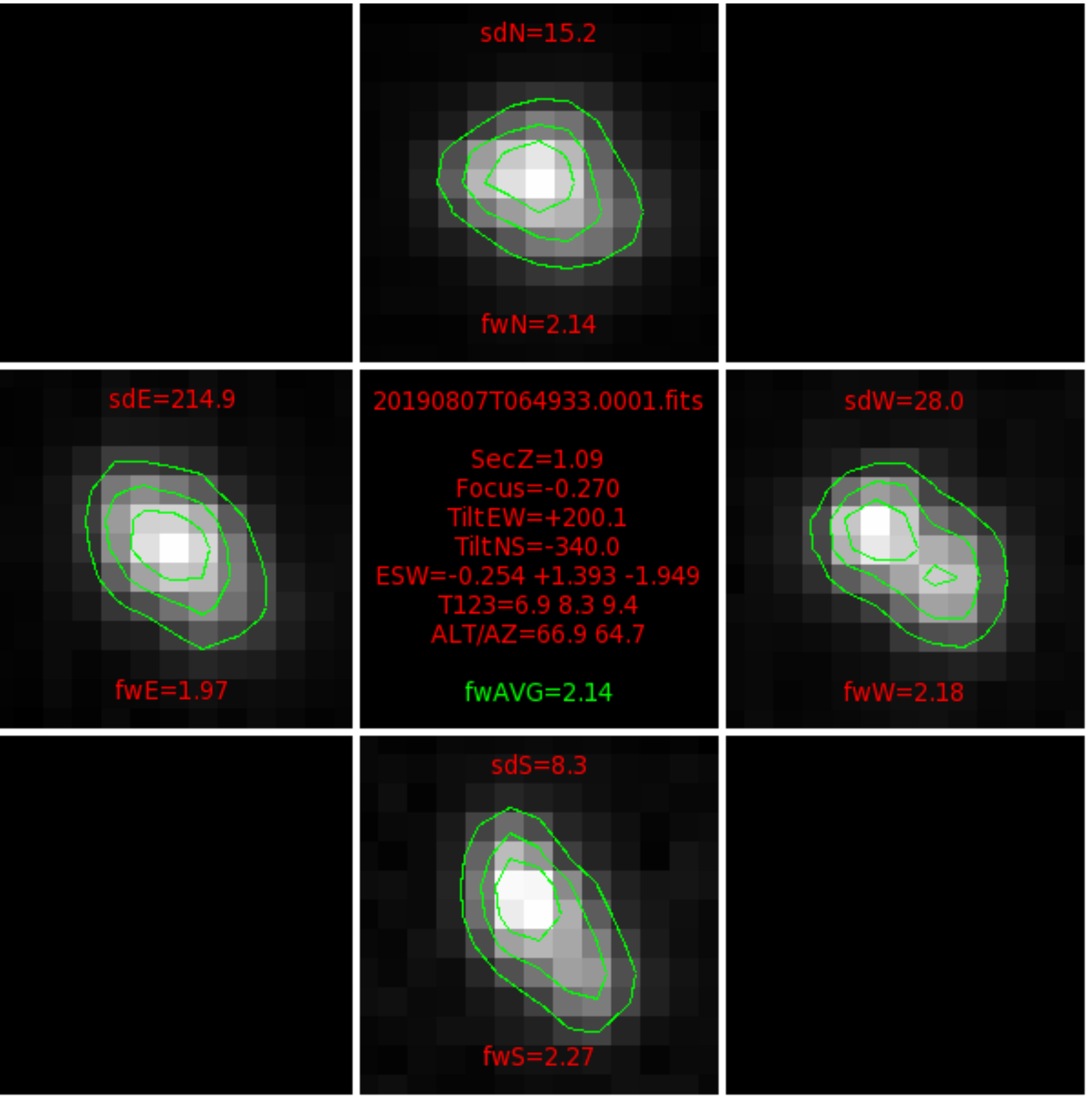

sdN=16.4
fwN=1.92
sdE=307.9
fwE=1.76
20190807T064800.0001.fits
SecZ=1.09
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 8.3 9.4
ALT/AZ=66.6 64.8
fwAVG=1.81
sdW=46.1
fwW=1.75
sdS=9.5
fwS=1.81
0 0 0 0 0 0 0 0 0


sdN=15.2
fwN=2.14
sdE=214.9
fwE=1.97
20190807T064933.0001.fits
SecZ=1.09
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 8.3 9.4
ALT/AZ=66.9 64.7
fwAVG=2.14
sdW=28.0
fwW=2.18
sdS=8.3
fwS=2.27
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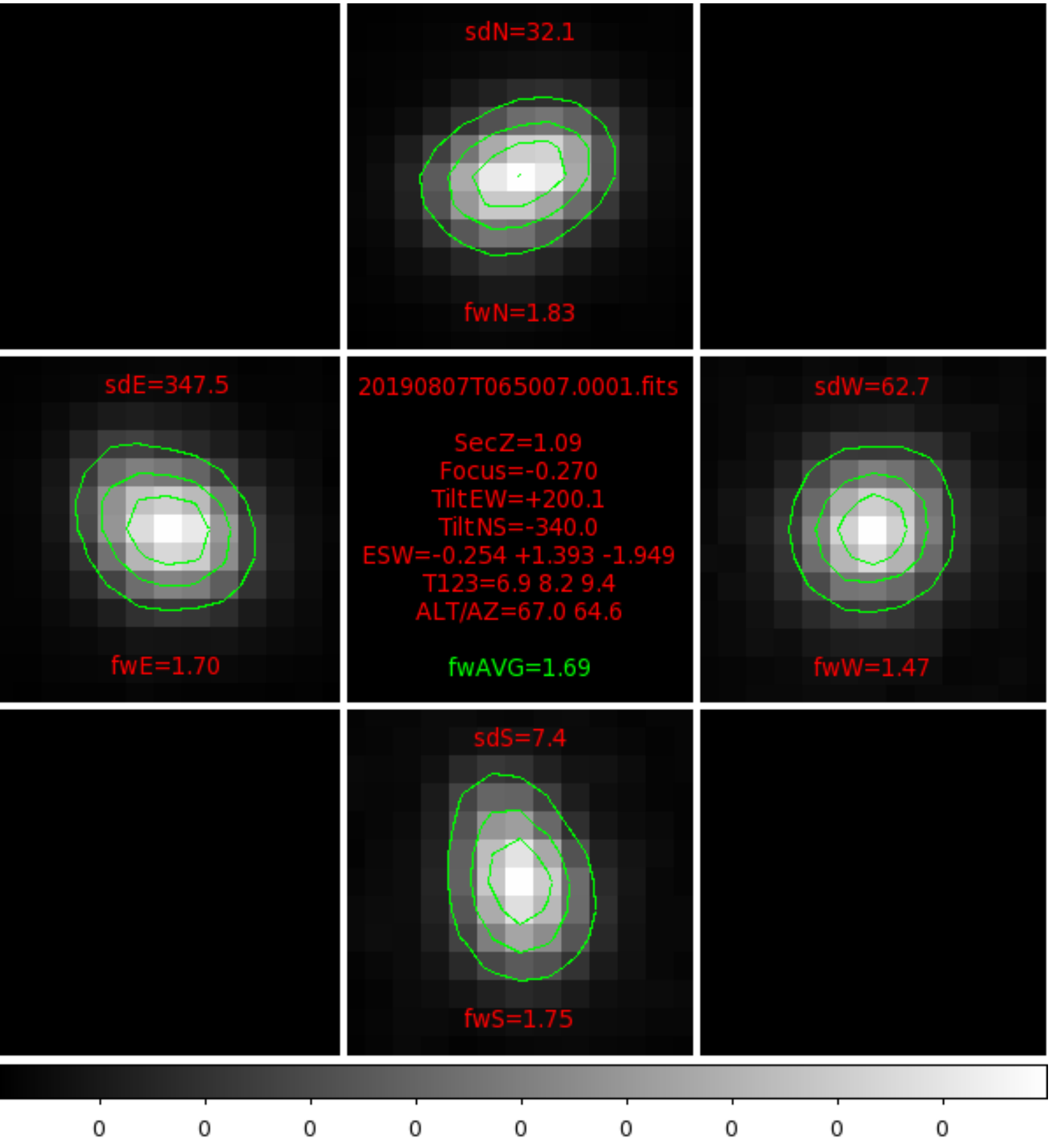
sdN=32.1
fwN=1.83
sdE=347.5
fwE=1.70
20190807T065007.0001.fits
SecZ=1.09
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 8.2 9.4
ALT/AZ=67.0 64.6
fwAVG=1.69
sdW=62.7
fwW=1.47
sdS=7.4
fwS=1.75
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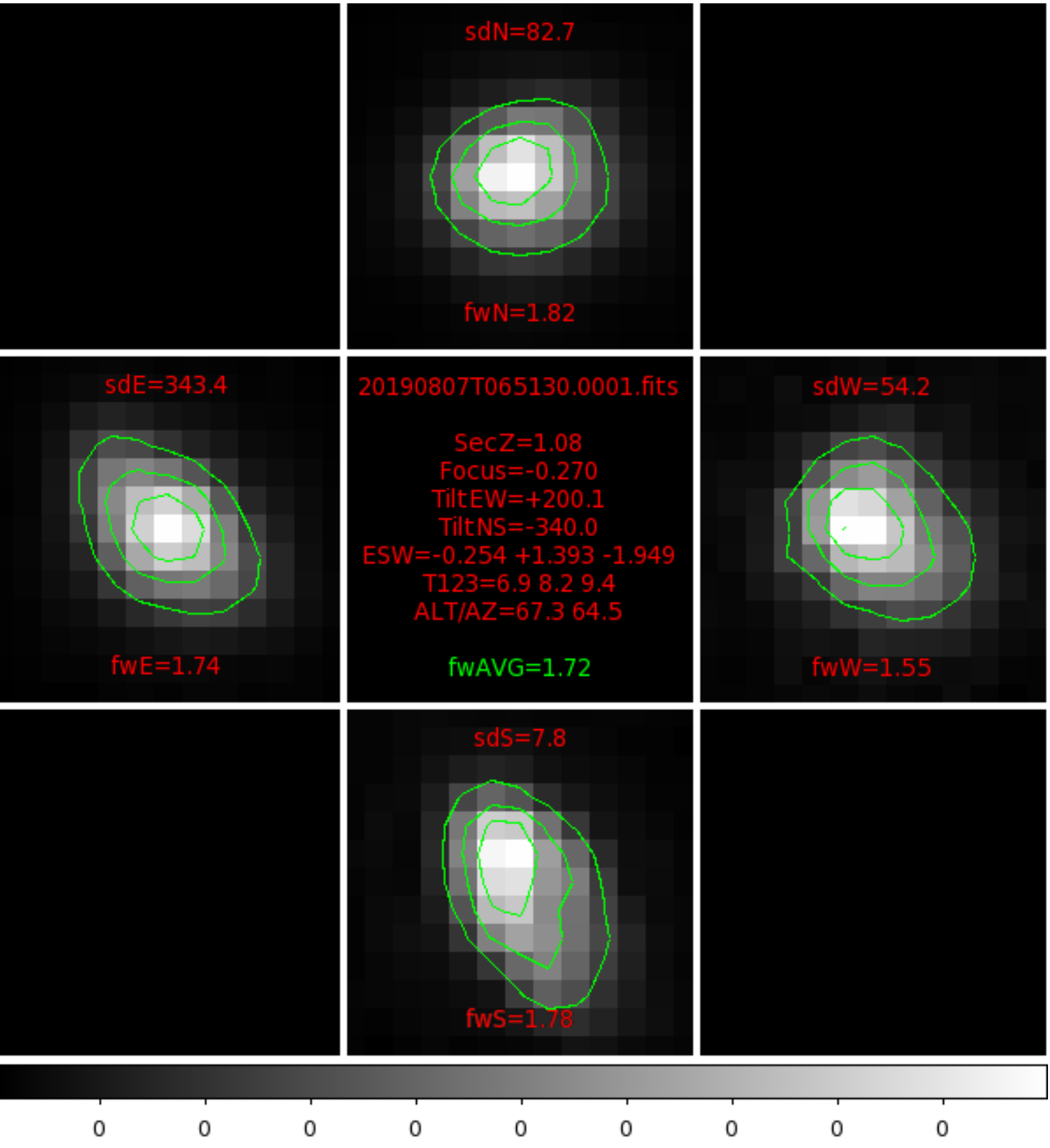
sdN=82.7
fwN=1.82
sdE=343.4
fwE=1.74
20190807T065130.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 8.2 9.4
ALT/AZ=67.3 64.5
fwAVG=1.72
sdW=54.2
fwW=1.55
sdS=7.8
fwS=1.78
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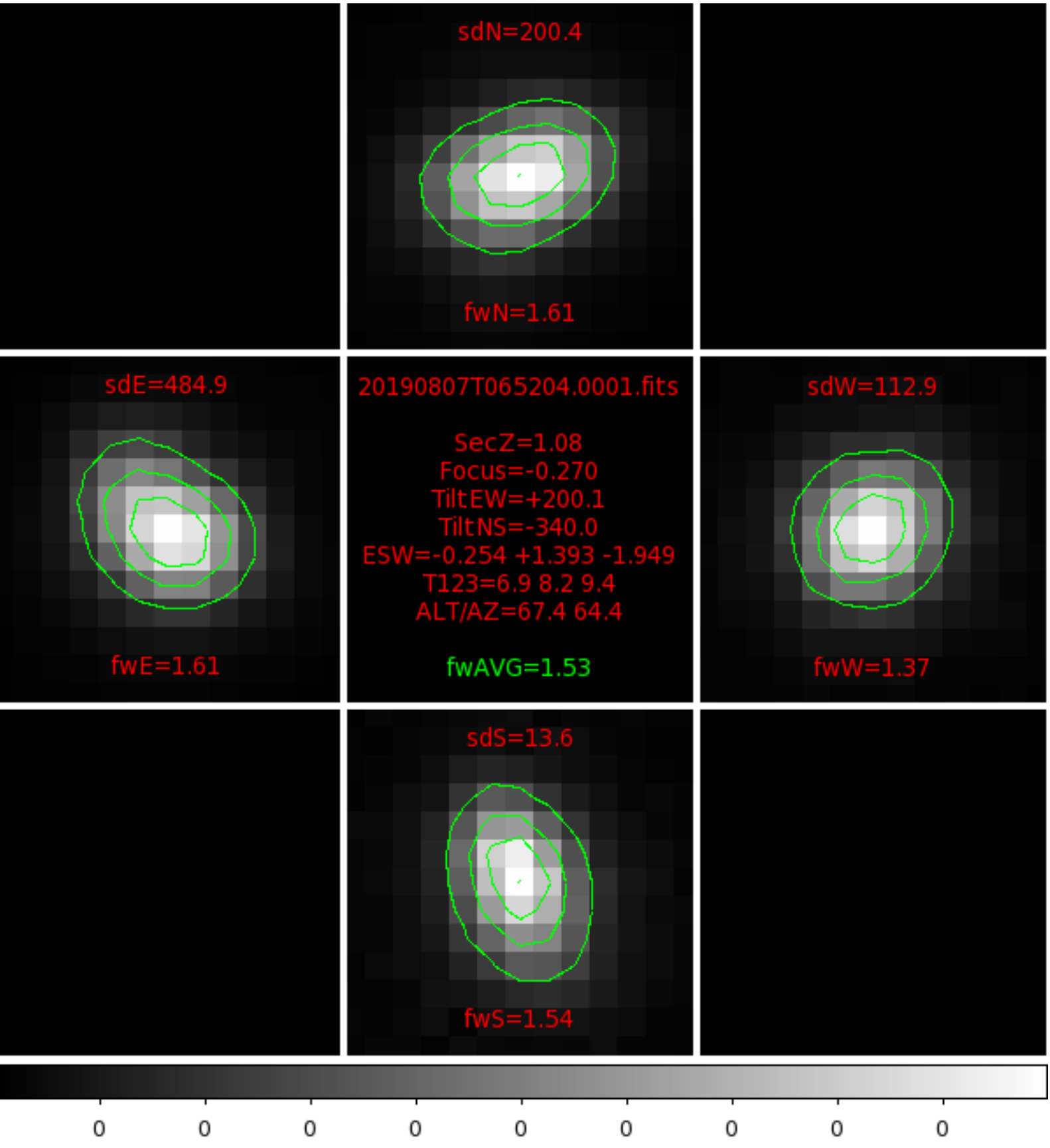
sdN=200.4
fwN=1.61
sdE=484.9
fwE=1.61
20190807T065204.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 8.2 9.4
ALT/AZ=67.4 64.4
fwAVG=1.53
sdW=112.9
fwW=1.37
sdS=13.6
fwS=1.54
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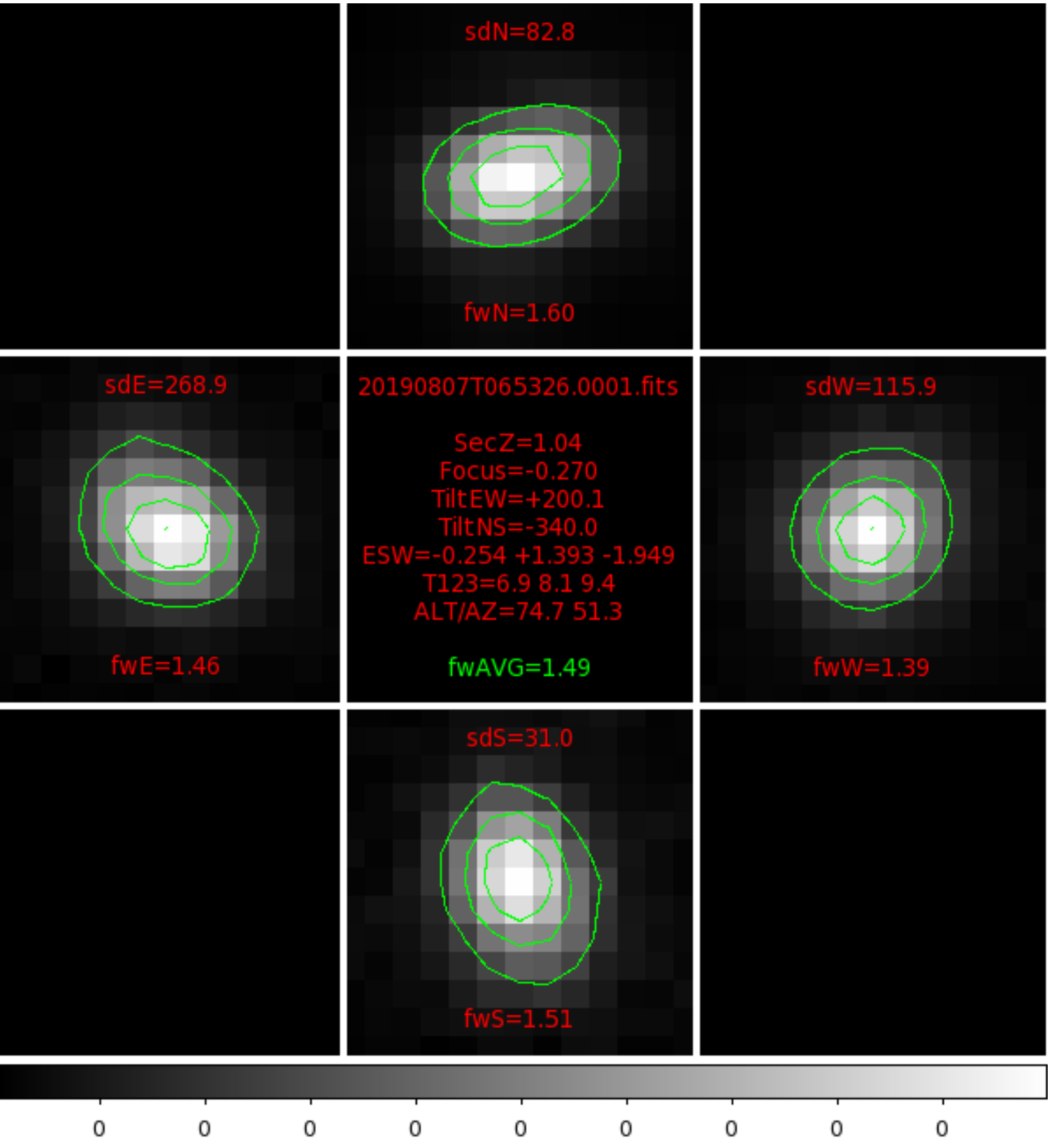
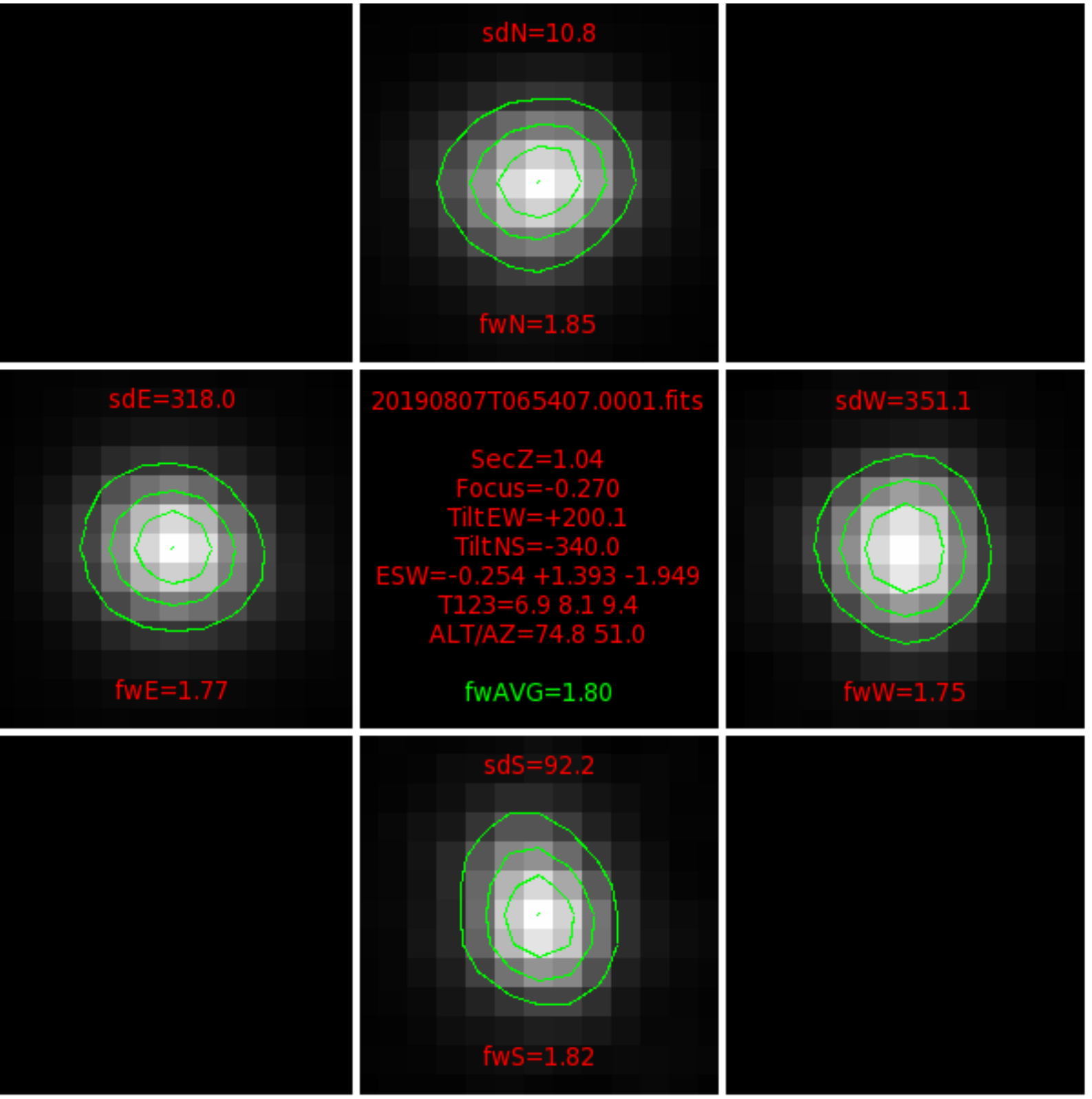
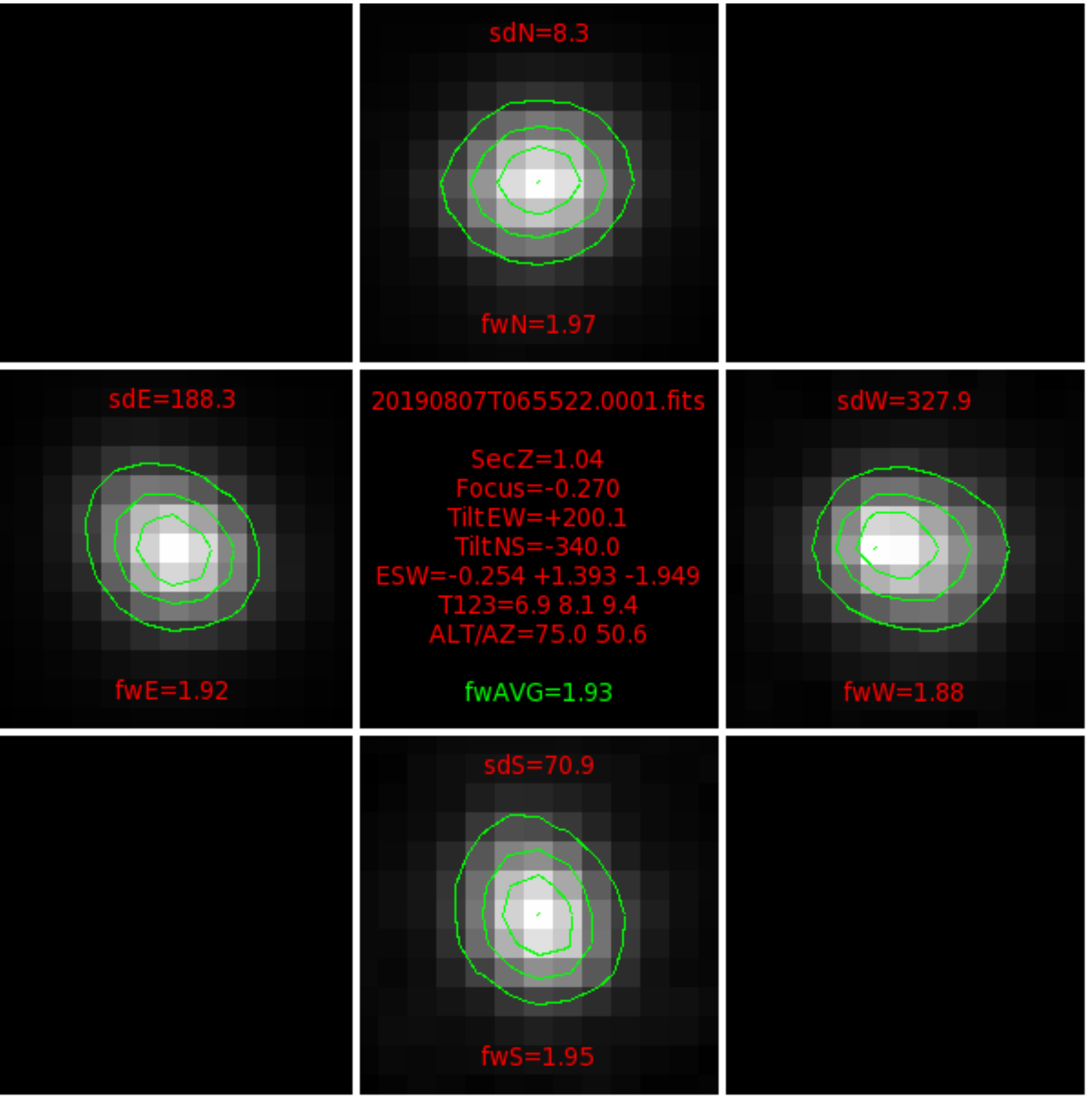
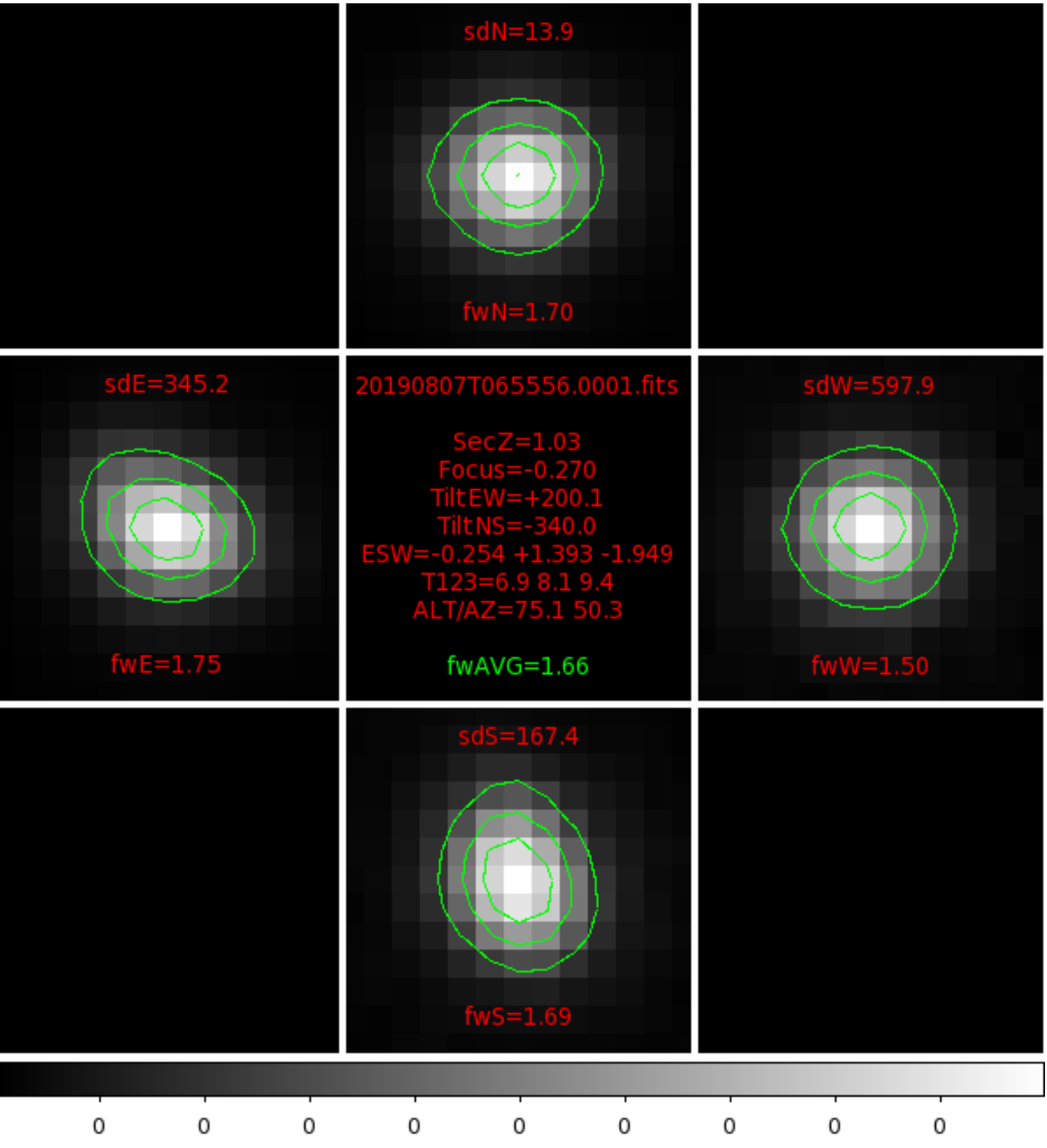
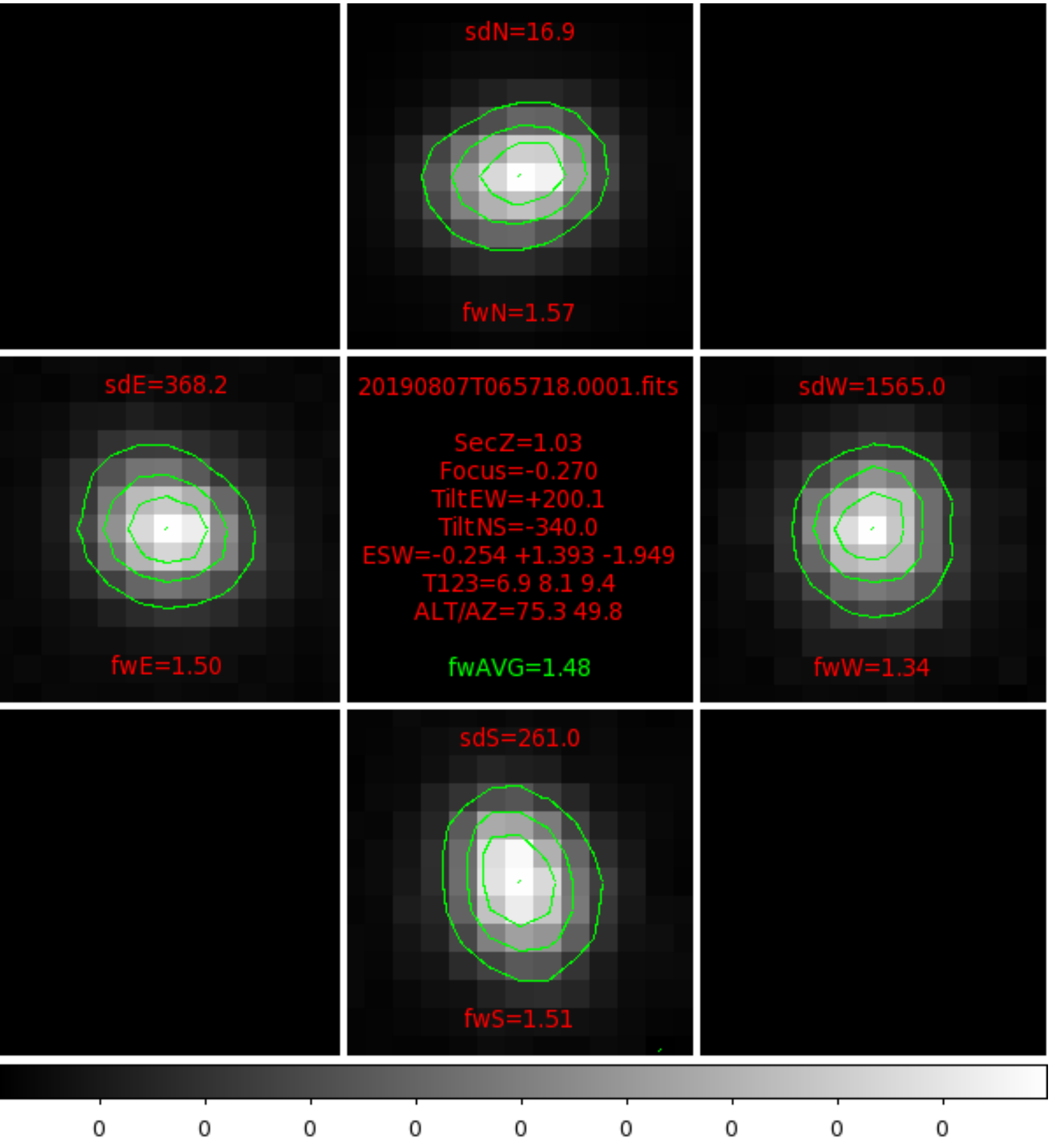

sdN=82.8
fwN=1.60
sdE=268.9
fwE=1.46
20190807T065326.0001.fits
SecZ=1.04
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 8.1 9.4
ALT/AZ=74.7 51.3
fwAVG=1.49
sdW=115.9
fwW=1.39
sdS=31.0
fwS=1.51
0 0 0 0 0 0 0 0 0


sdN=10.8
fwN=1.85
sdE=318.0
fwE=1.77
20190807T065407.0001.fits
SecZ=1.04
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 8.1 9.4
ALT/AZ=74.8 51.0
fwAVG=1.80
sdW=351.1
fwW=1.75
sdS=92.2
fwS=1.82
0 0 0 0 0 0 0 0 0


sdN=8.3
fwN=1.97
sdE=188.3
fwE=1.92
20190807T065522.0001.fits
SecZ=1.04
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 8.1 9.4
ALT/AZ=75.0 50.6
fwAVG=1.93
sdW=327.9
fwW=1.88
sdS=70.9
fwS=1.95
0 0 0 0 0 0 0 0 0


sdN=13.9
fwN=1.70
sdE=345.2
fwE=1.75
20190807T065556.0001.fits
SecZ=1.03
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 8.1 9.4
ALT/AZ=75.1 50.3
fwAVG=1.66
sdW=597.9
fwW=1.50
sdS=167.4
fwS=1.69
0 0 0 0 0 0 0 0 0


sdN=16.9
fwN=1.57
sdE=368.2
fwE=1.50
20190807T065718.0001.fits
SecZ=1.03
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 8.1 9.4
ALT/AZ=75.3 49.8
fwAVG=1.48
sdW=1565.0
fwW=1.34
sdS=261.0
fwS=1.51
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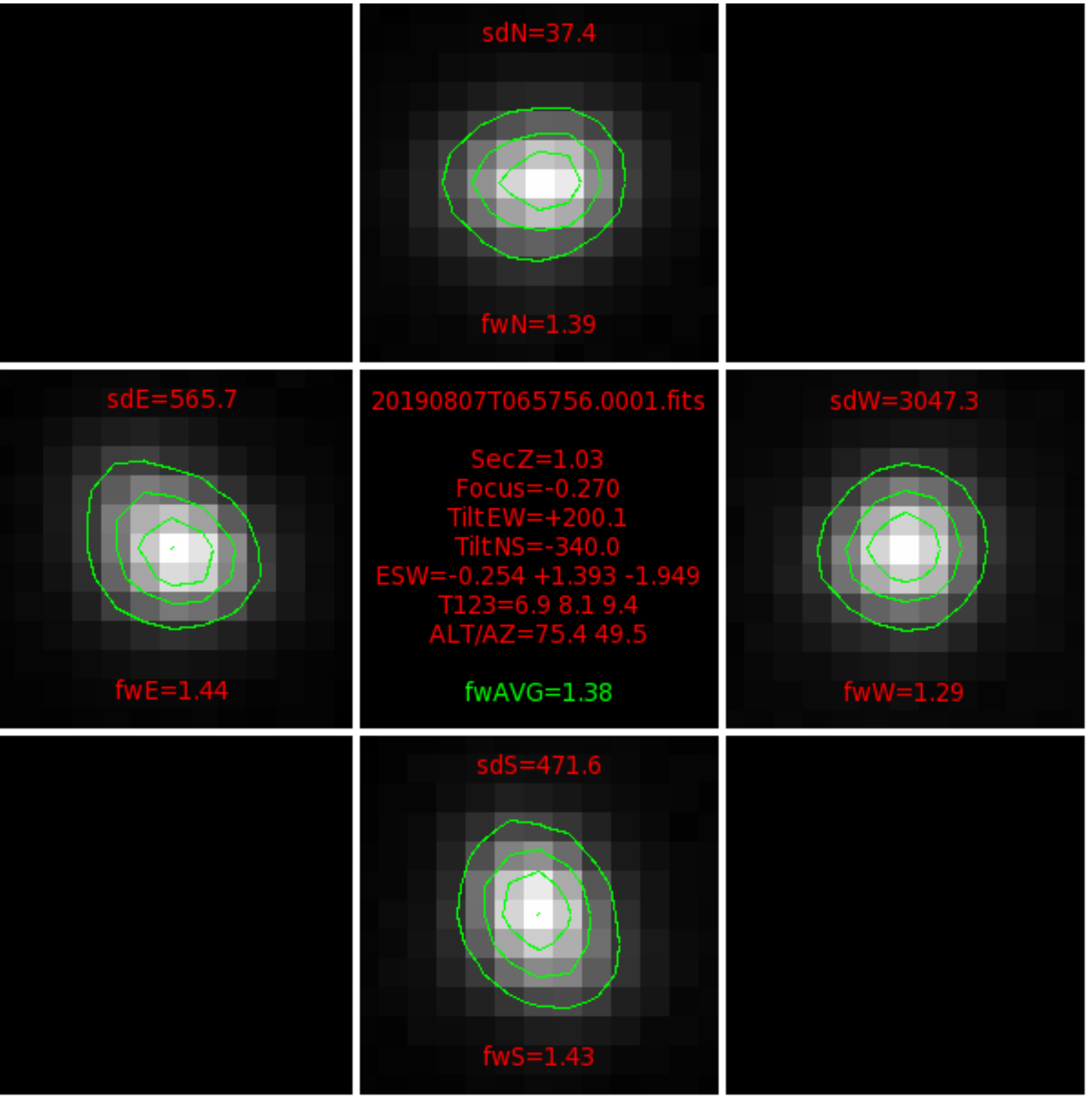
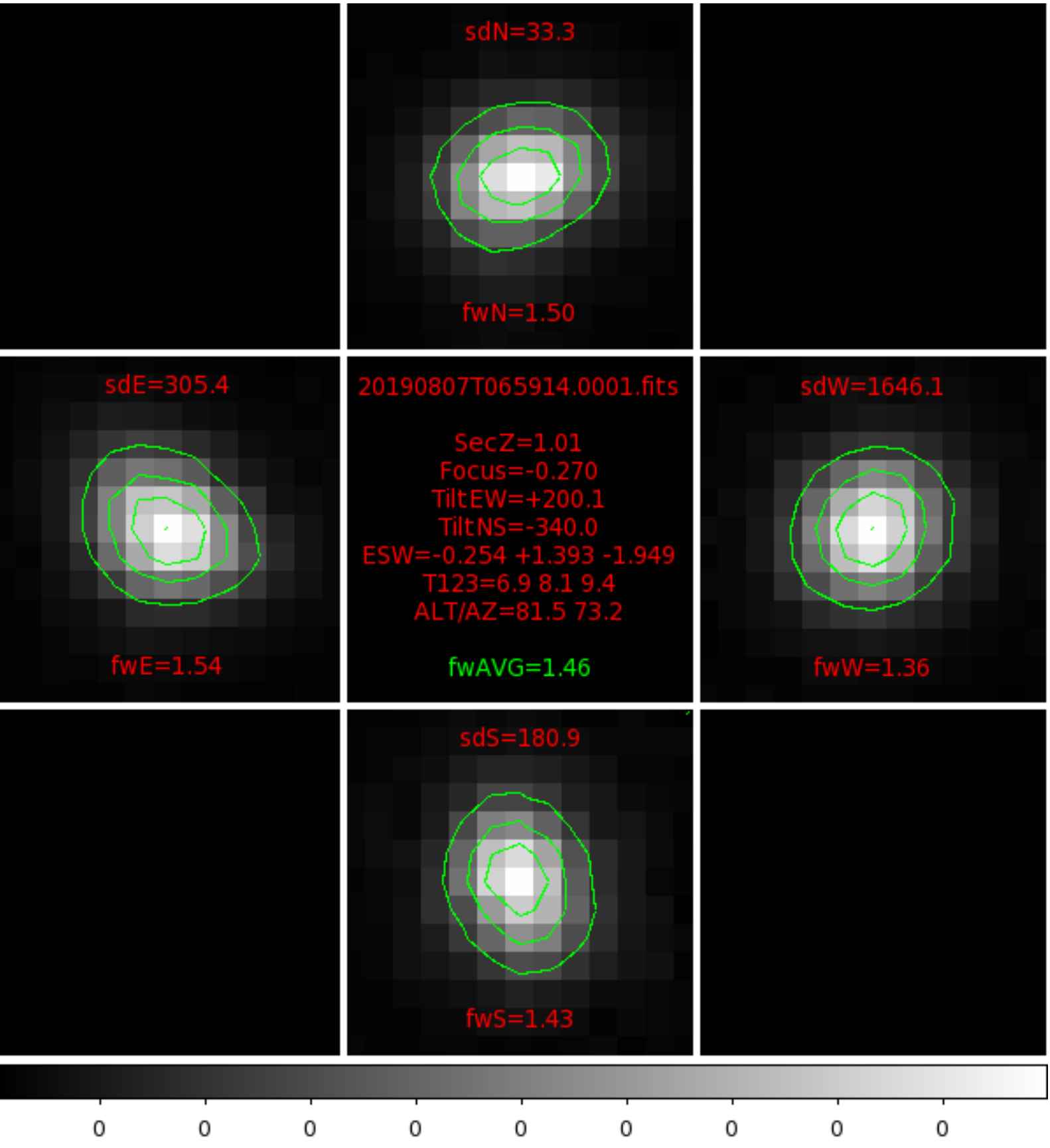
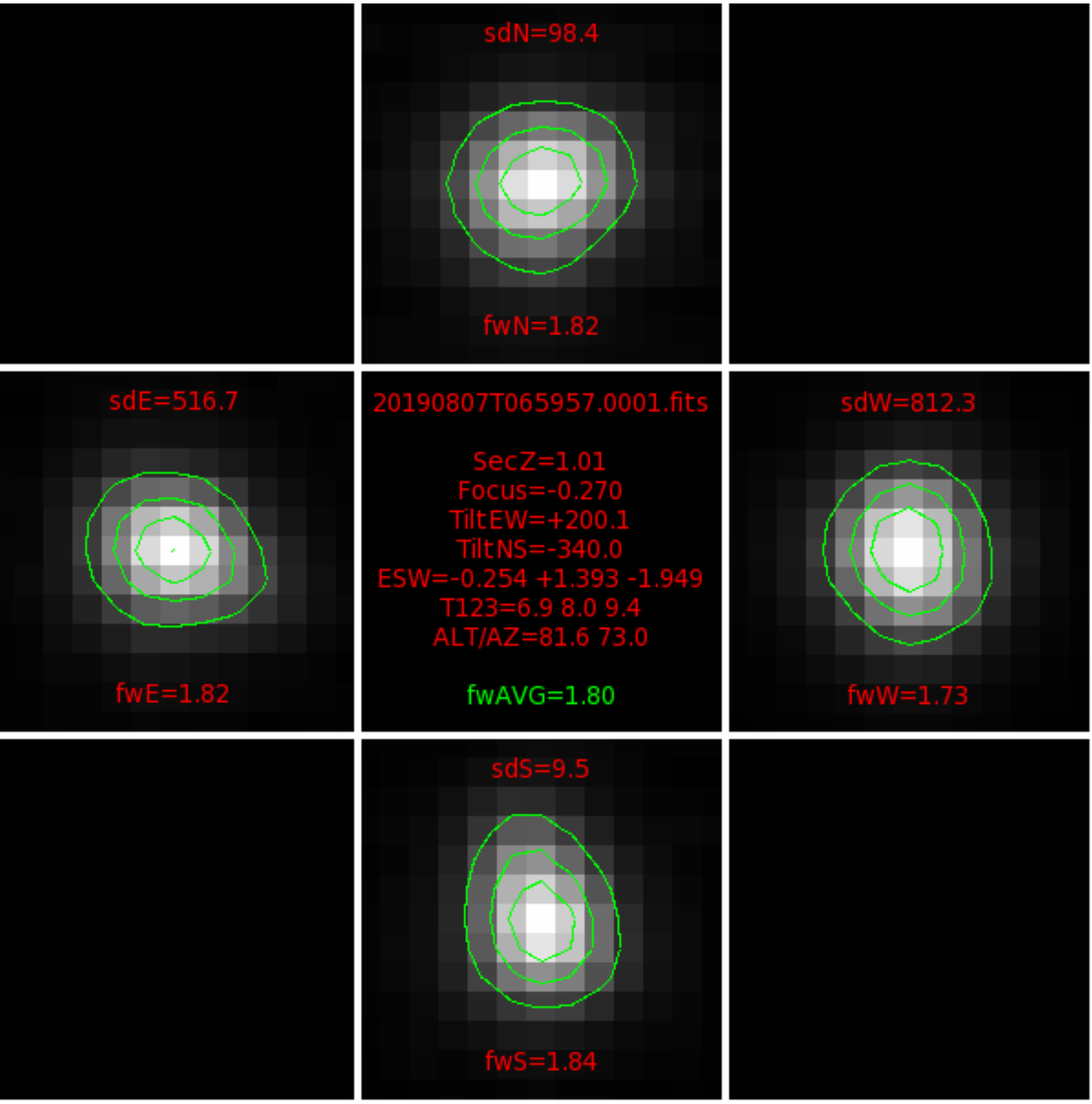
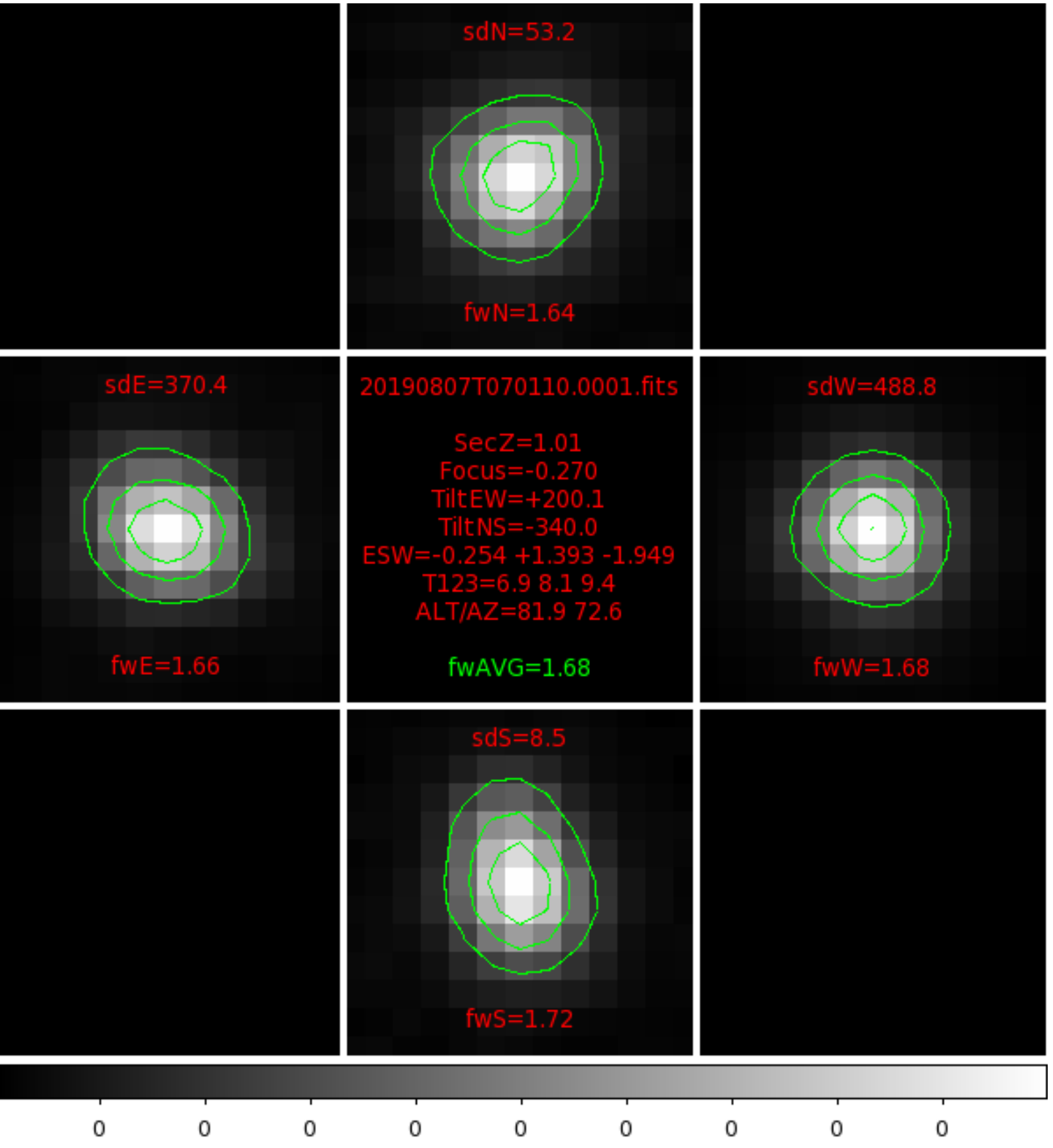
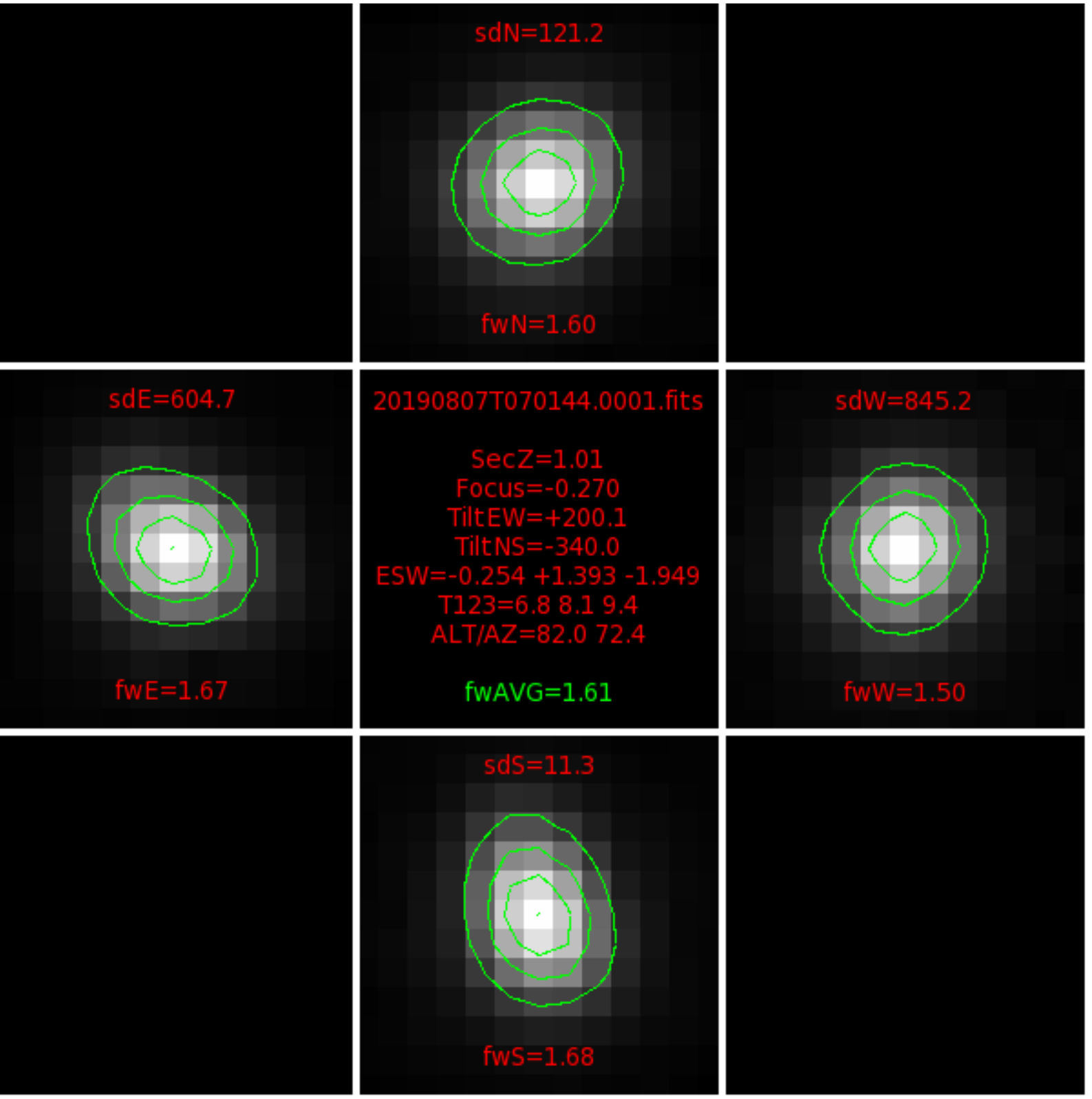
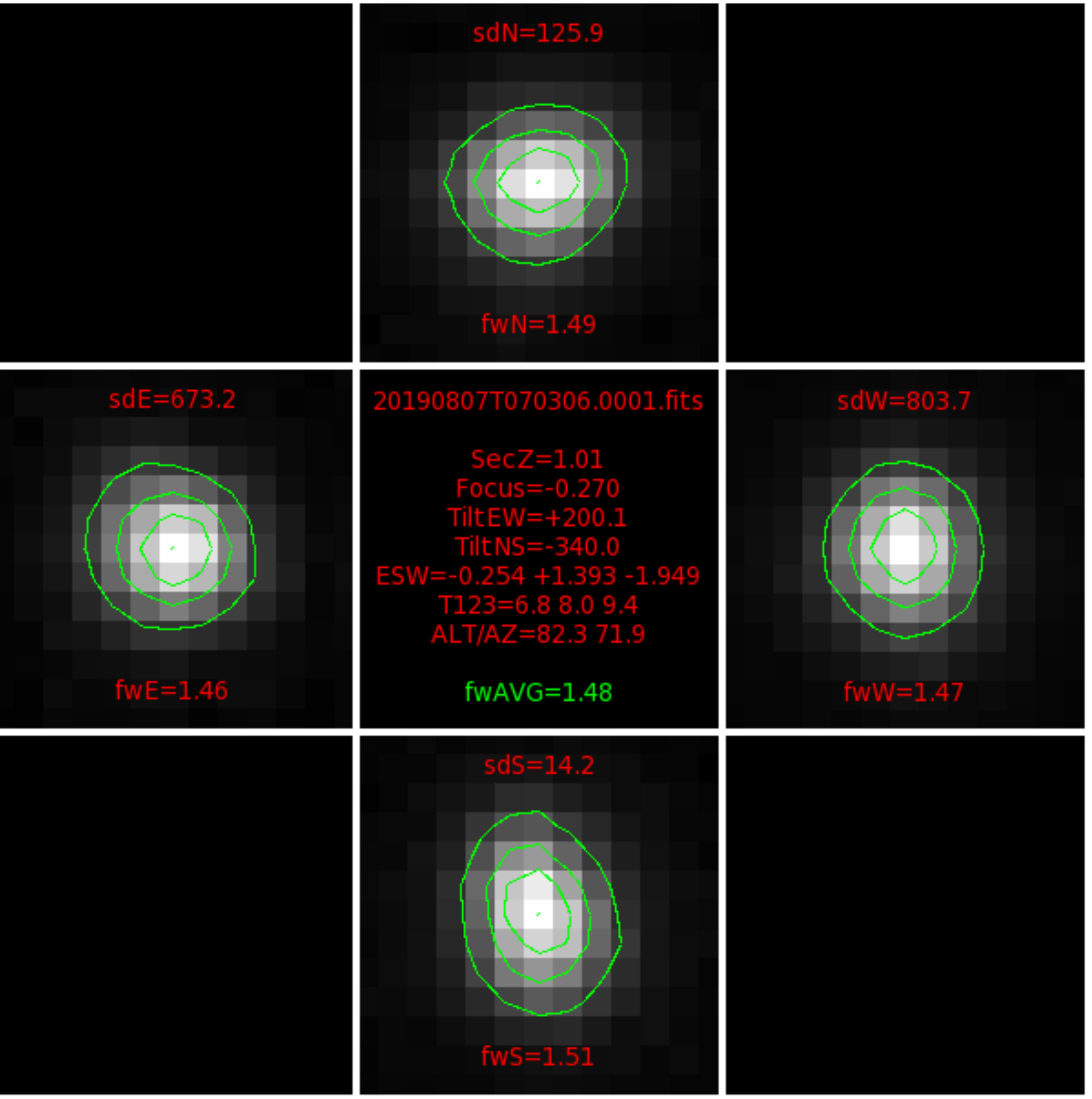

sdN=37.4
fwN=1.39
sdE=565.7
fwE=1.44
20190807T065756.0001.fits
SecZ=1.03
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 8.1 9.4
ALT/AZ=75.4 49.5
fwAVG=1.38
sdW=3047.3
fwW=1.29
sdS=471.6
fwS=1.43
0 0 0 0 0 0 0 0 0


sdN=33.3
fwN=1.50
sdE=305.4
fwE=1.54
20190807T065914.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 8.1 9.4
ALT/AZ=81.5 73.2
fwAVG=1.46
sdW=1646.1
fwW=1.36
sdS=180.9
fwS=1.43
0 0 0 0 0 0 0 0 0


sdN=98.4
fwN=1.82
sdE=516.7
fwE=1.82
20190807T065957.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 8.0 9.4
ALT/AZ=81.6 73.0
fwAVG=1.80
sdW=812.3
fwW=1.73
sdS=9.5
fwS=1.84
0 0 0 0 0 0 0 0 0


sdN=53.2
fwN=1.64
sdE=370.4
fwE=1.66
20190807T070110.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 8.1 9.4
ALT/AZ=81.9 72.6
fwAVG=1.68
sdW=488.8
fwW=1.68
sdS=8.5
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=121.2
fwN=1.60
sdE=604.7
fwE=1.67
20190807T070144.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 8.1 9.4
ALT/AZ=82.0 72.4
fwAVG=1.61
sdW=845.2
fwW=1.50
sdS=11.3
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=125.9
fwN=1.49
sdE=673.2
fwE=1.46
20190807T070306.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 8.0 9.4
ALT/AZ=82.3 71.9
fwAVG=1.48
sdW=803.7
fwW=1.47
sdS=14.2
fwS=1.51
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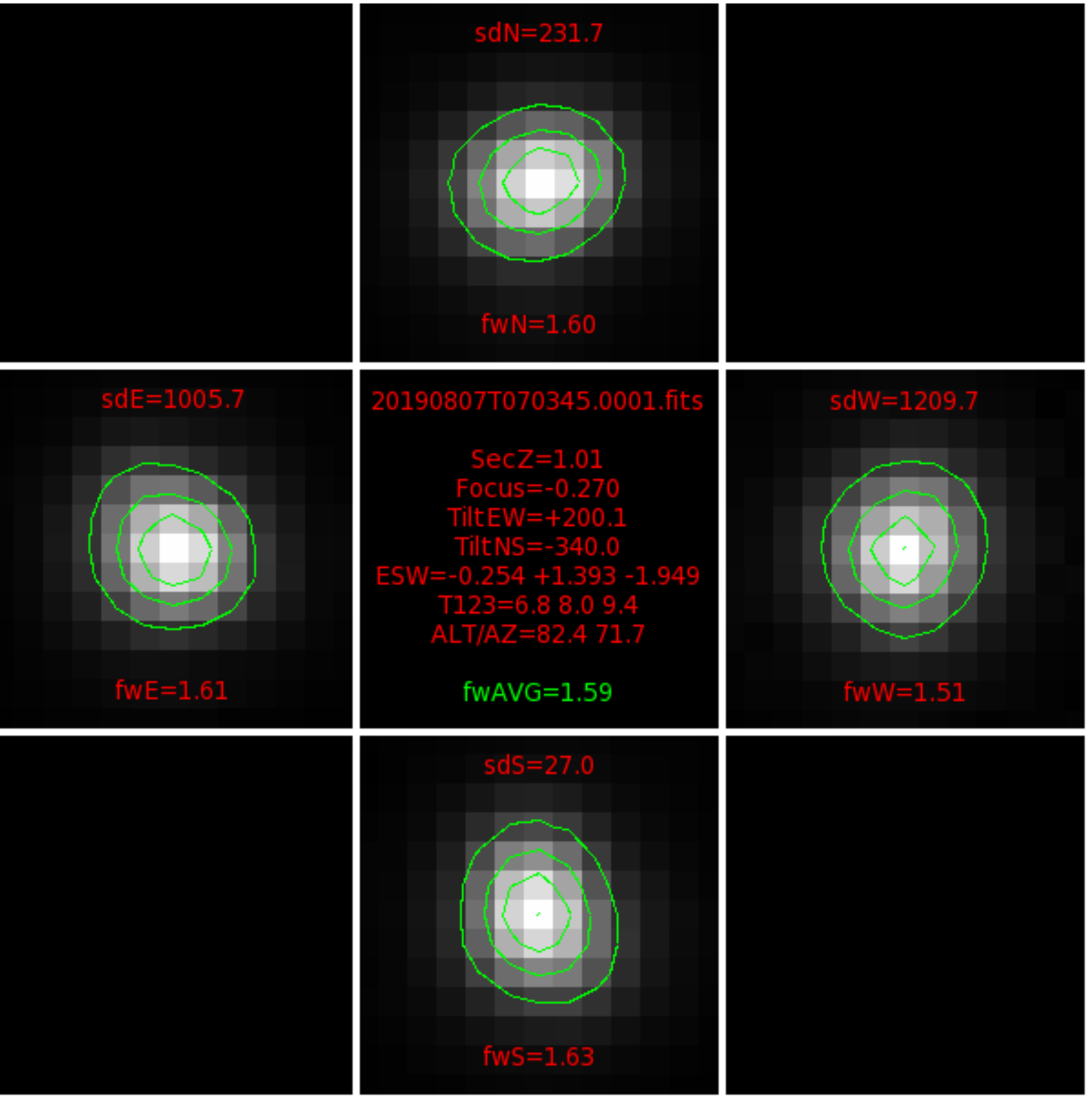
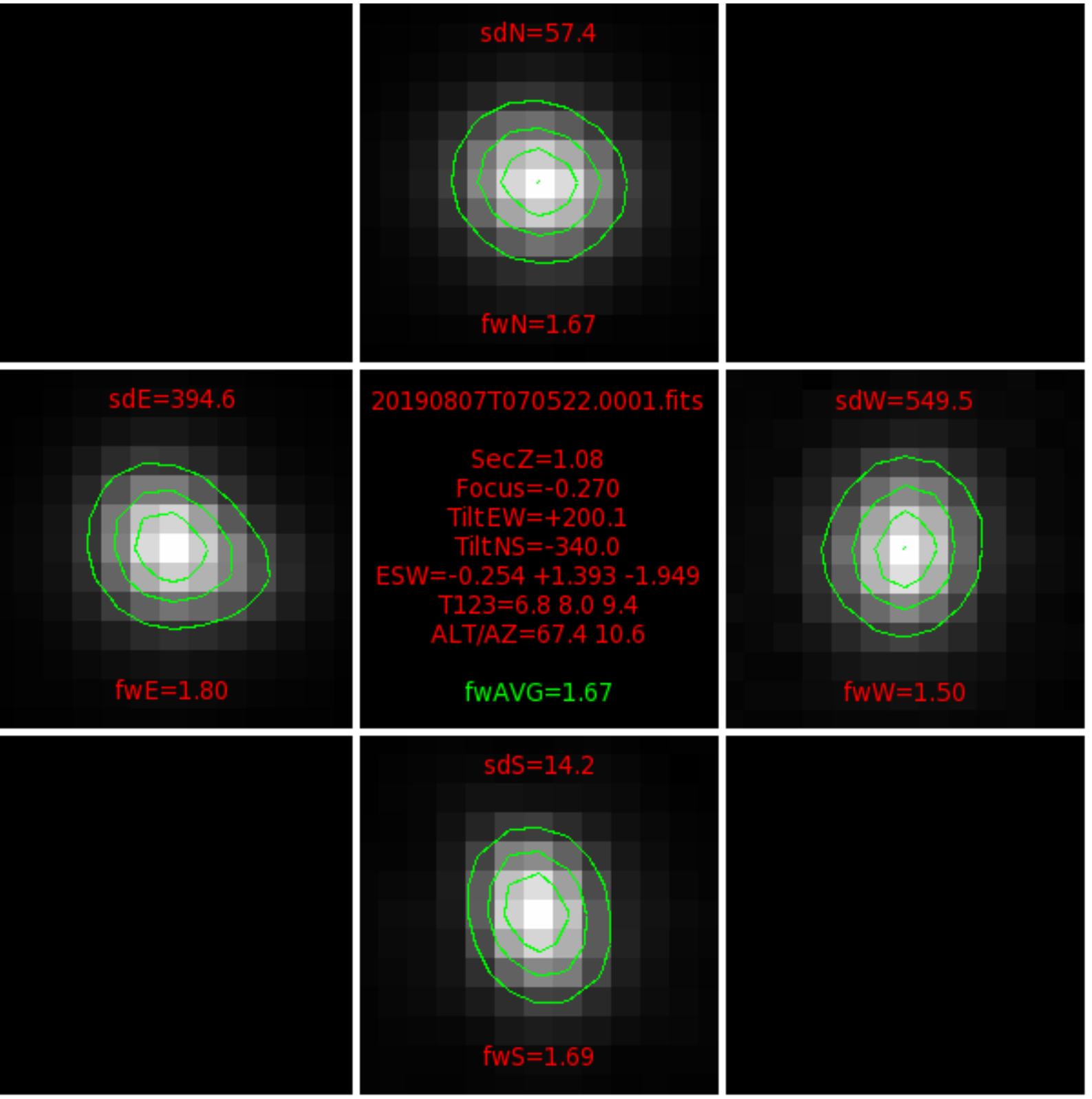
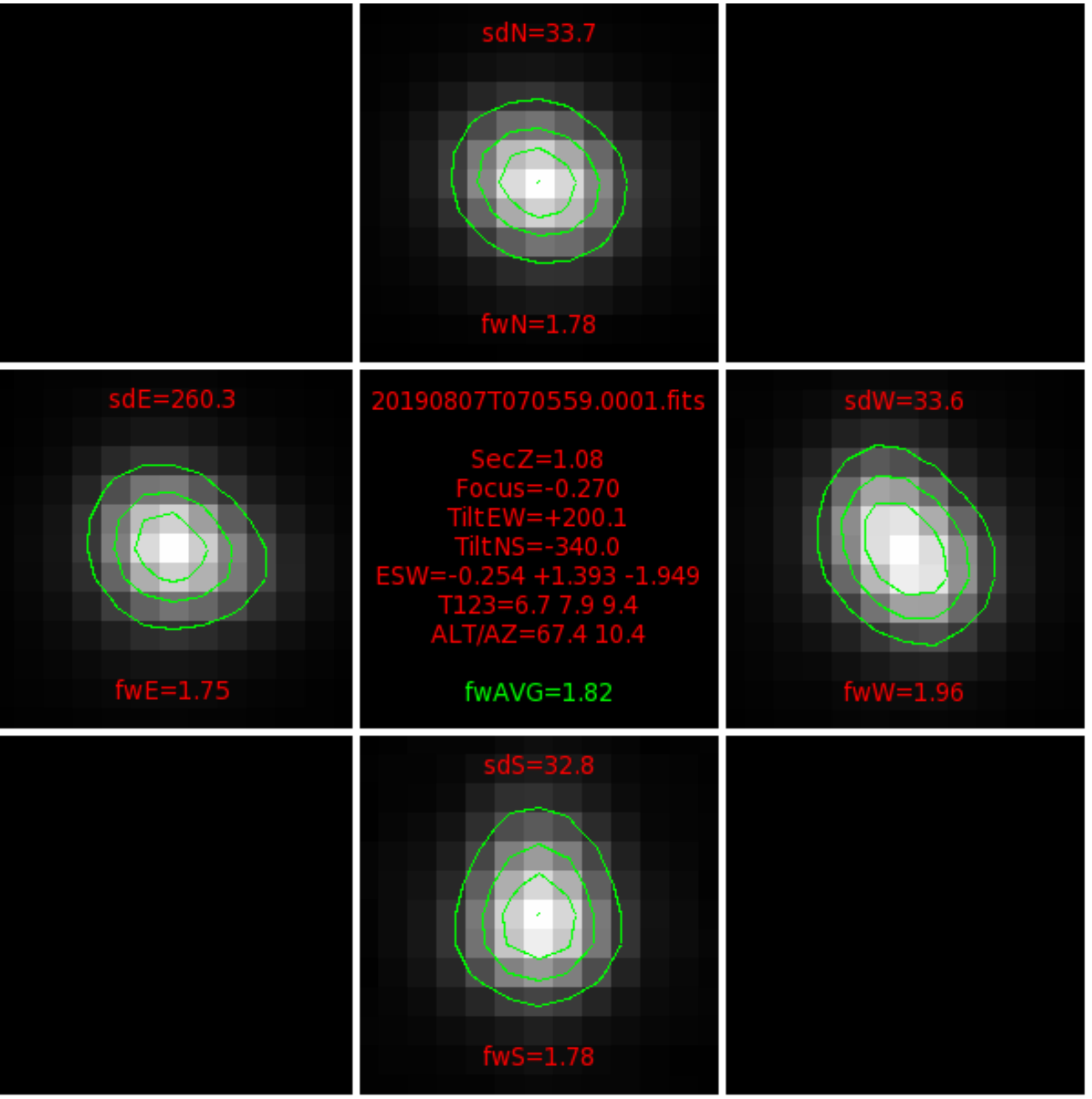
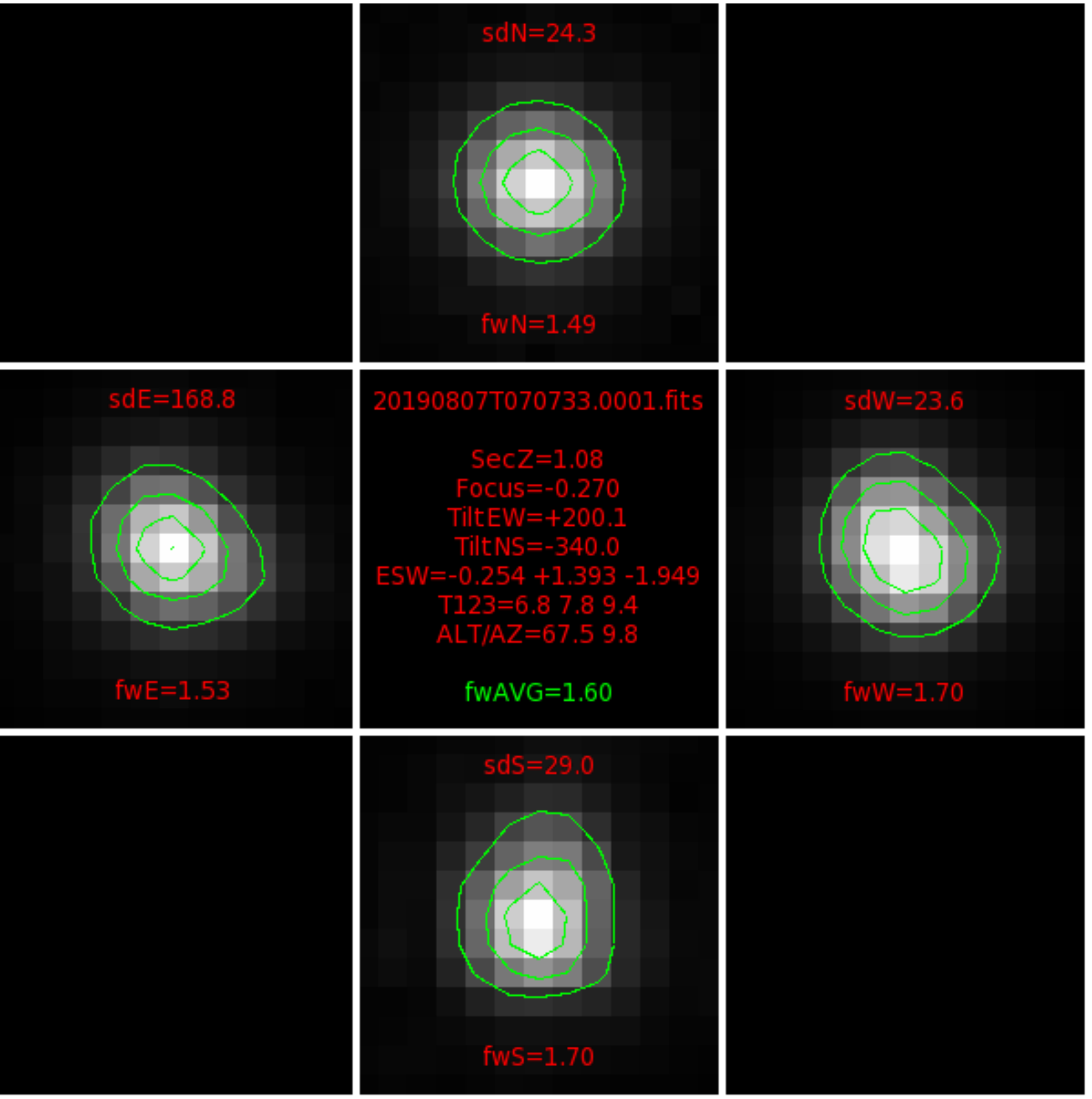
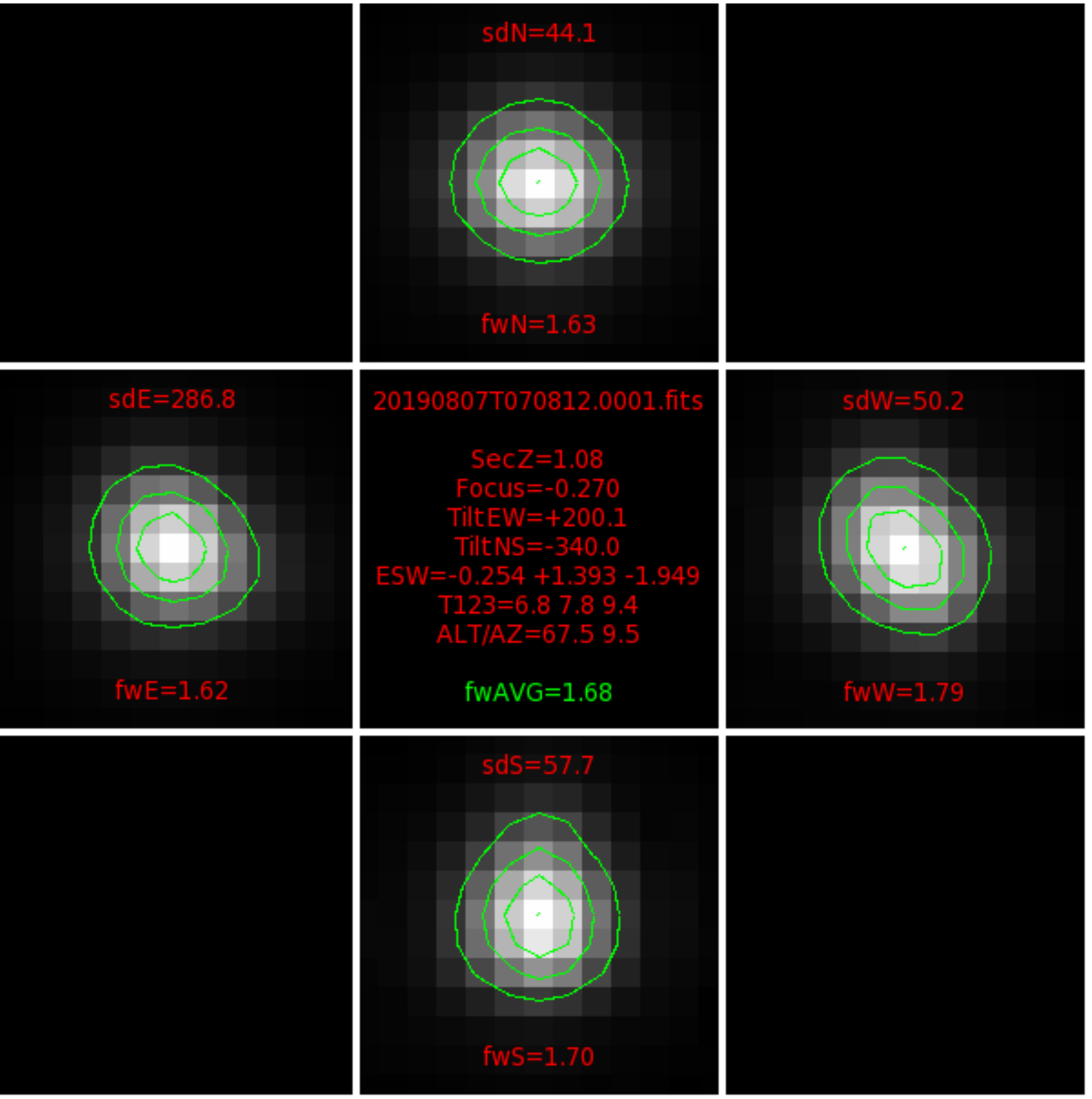
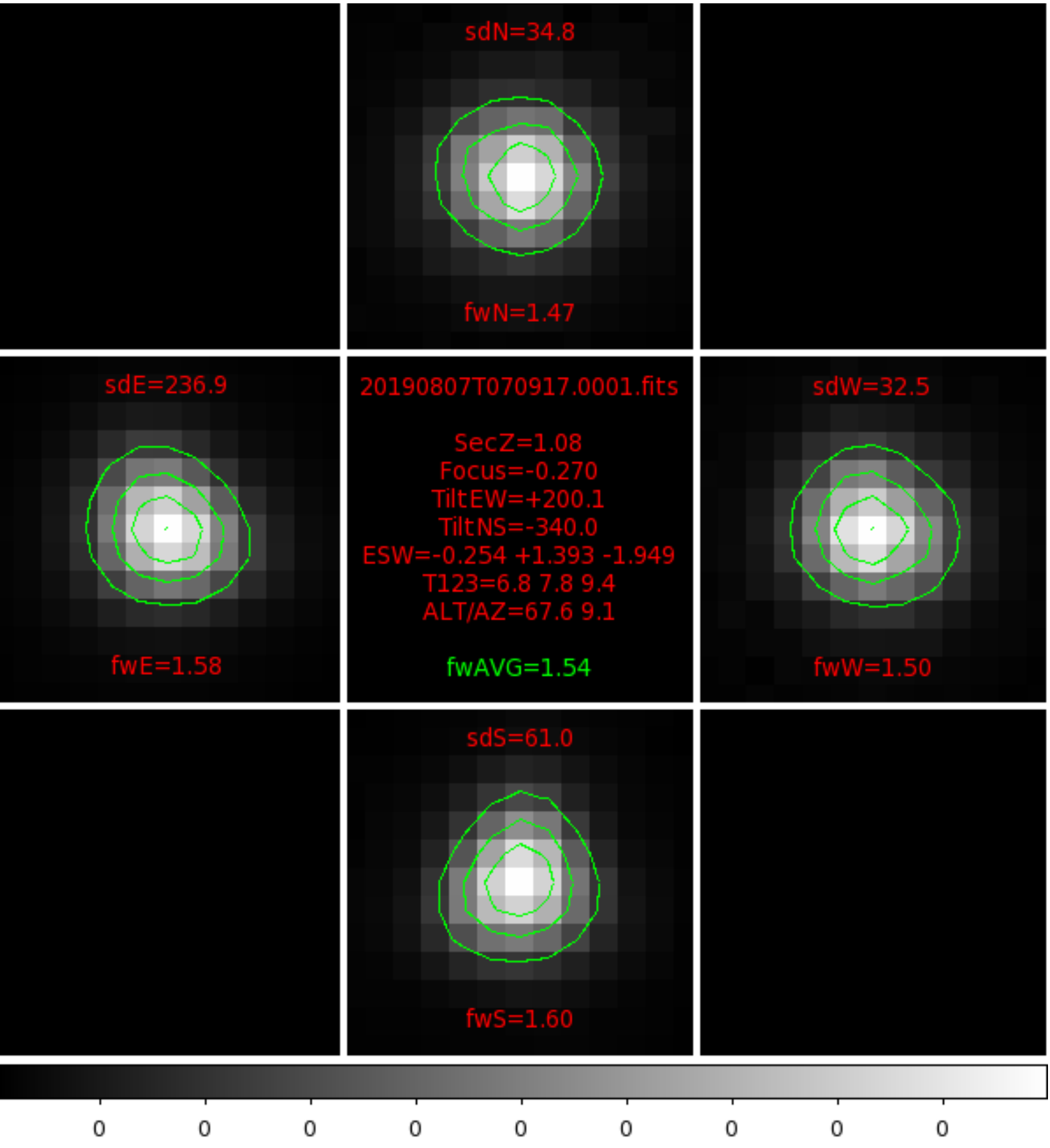

sdN=231.7
fwN=1.60
sdE=1005.7
fwE=1.61
20190807T070345.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 8.0 9.4
ALT/AZ=82.4 71.7
fwAVG=1.59
sdW=1209.7
fwW=1.51
sdS=27.0
fwS=1.63
0 0 0 0 0 0 0 0 0

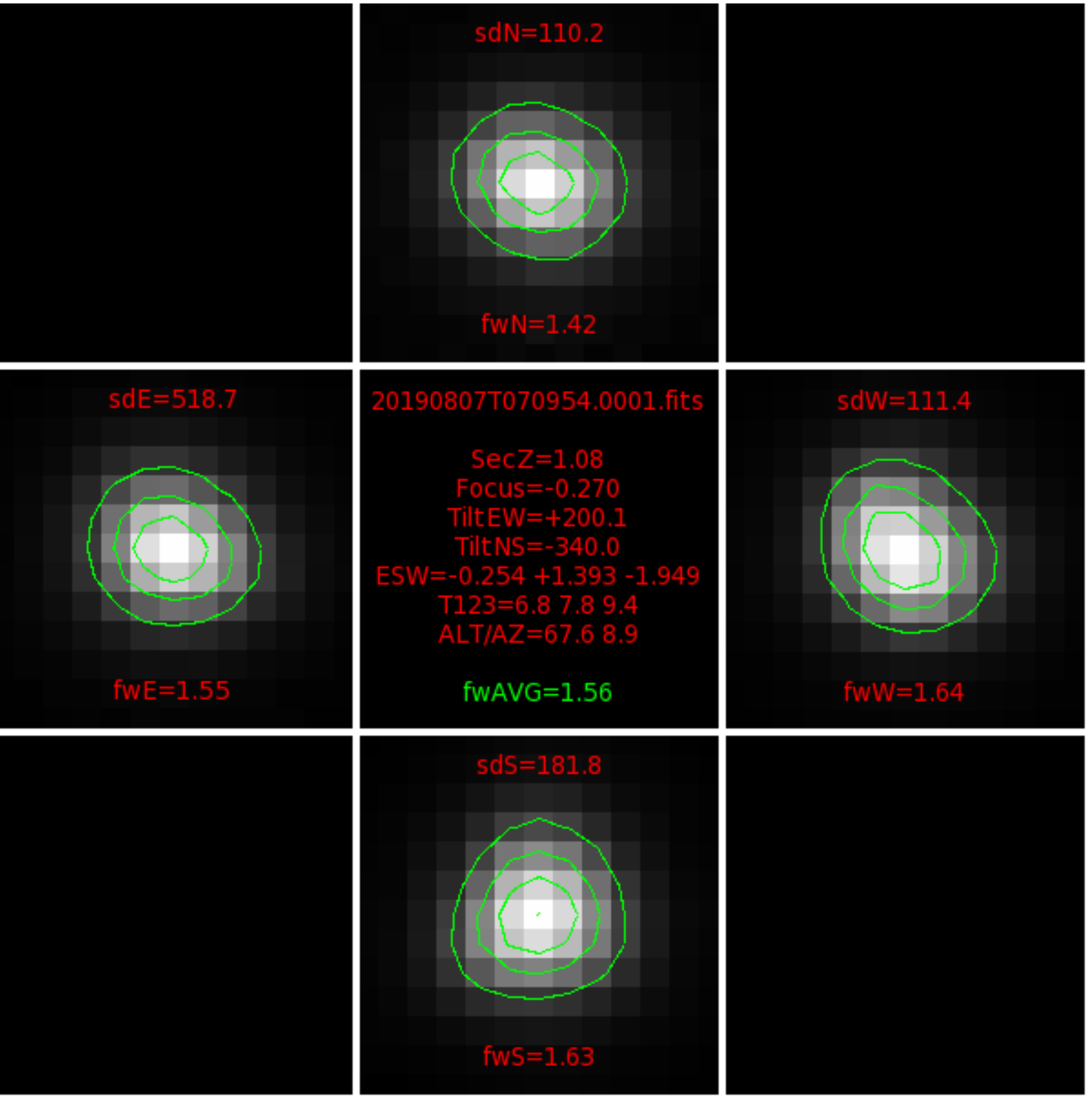

sdN=57.4
fwN=1.67
sdE=394.6
fwE=1.80
20190807T070522.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 8.0 9.4
ALT/AZ=67.4 10.6
fwAVG=1.67
sdW=549.5
fwW=1.50
sdS=14.2
fwS=1.69
0 0 0 0 0 0 0 0 0

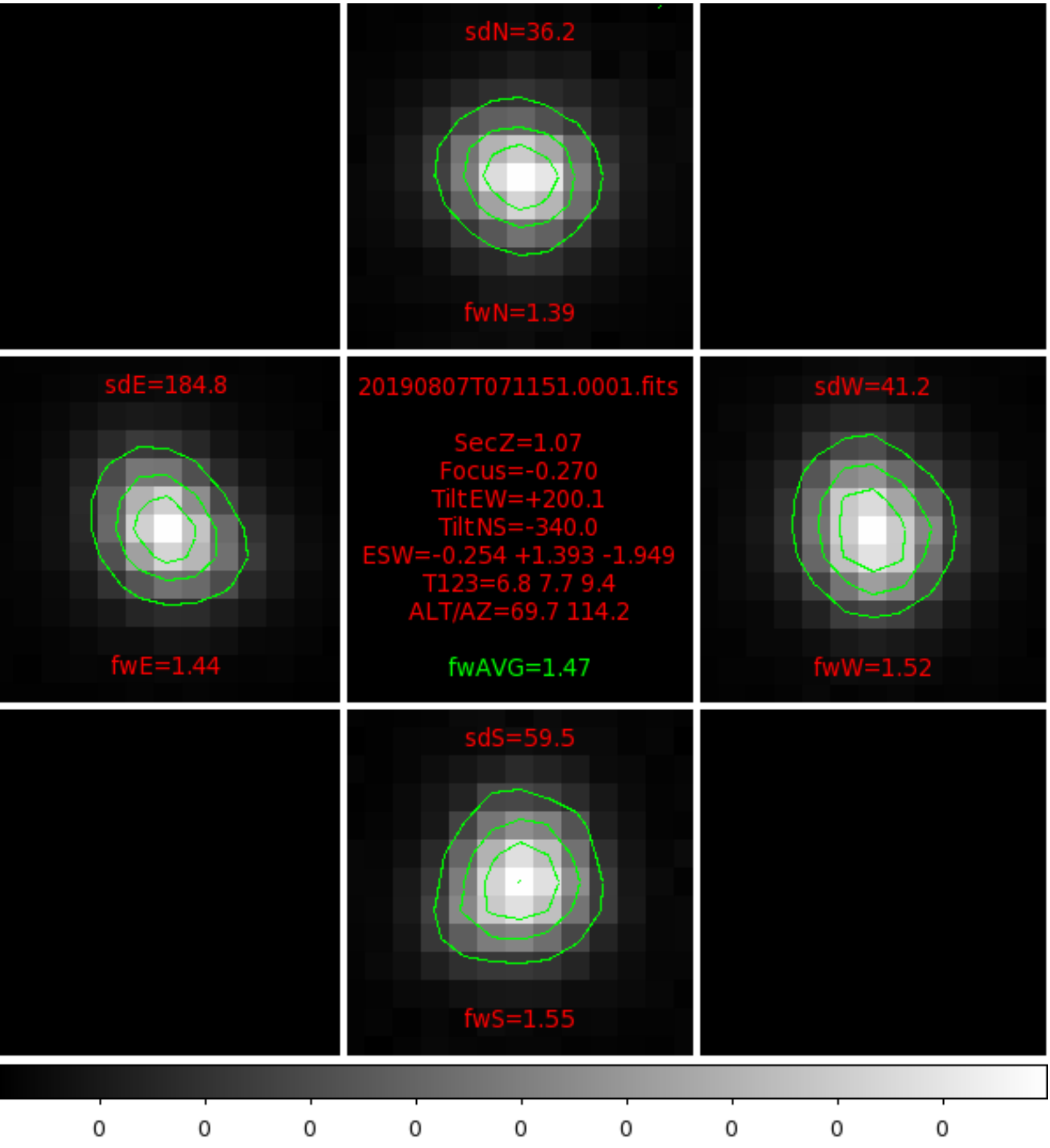

sdN=33.7
fwN=1.78
sdE=260.3
fwE=1.75
20190807T070559.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 7.9 9.4
ALT/AZ=67.4 10.4
fwAVG=1.82
sdW=33.6
fwW=1.96
sdS=32.8
fwS=1.78
0 0 0 0 0 0 0 0 0

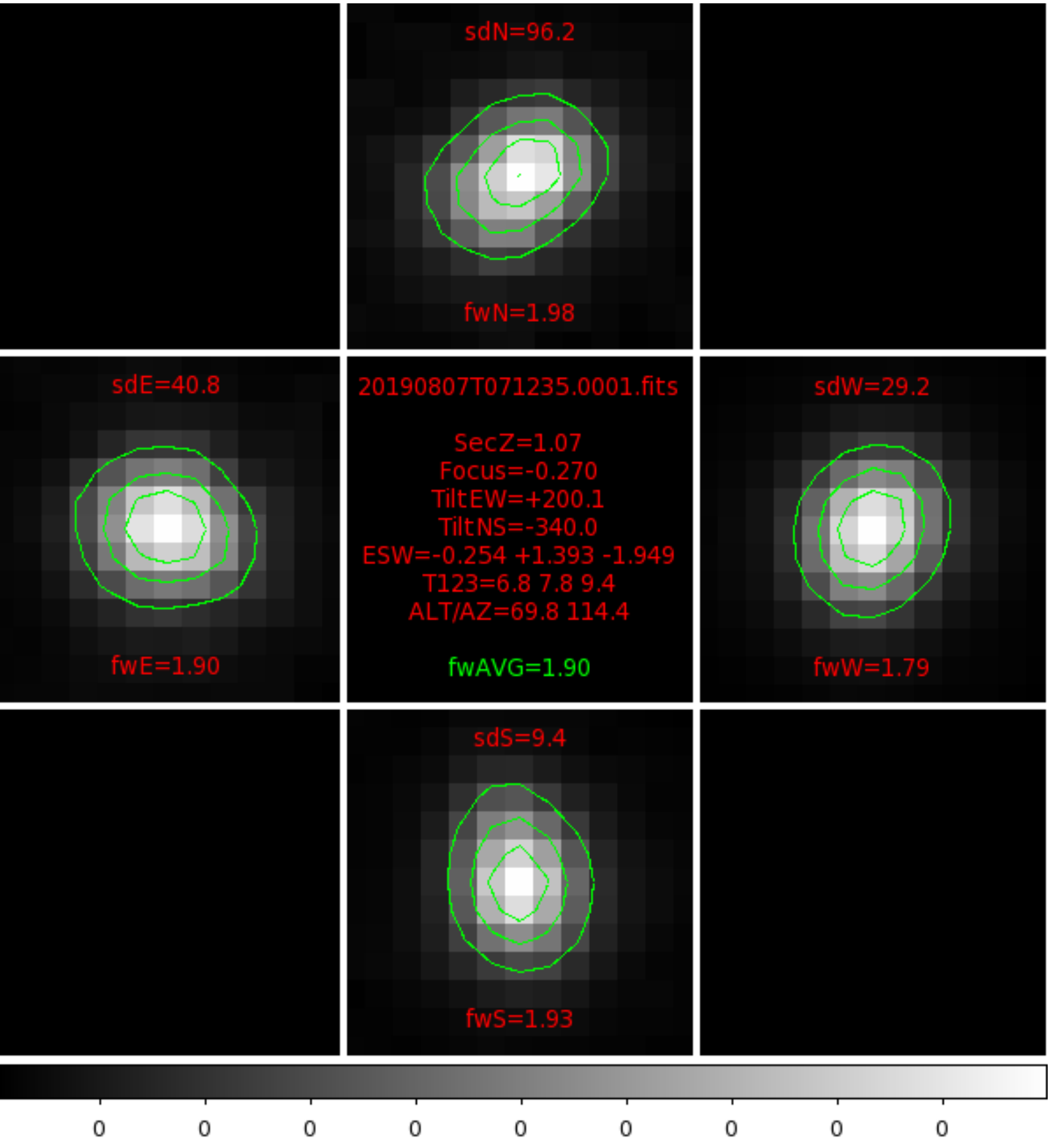

sdN=24.3
fwN=1.49
sdE=168.8
fwE=1.53
20190807T070733.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 7.8 9.4
ALT/AZ=67.5 9.8
fwAVG=1.60
sdW=23.6
fwW=1.70
sdS=29.0
fwS=1.70
0 0 0 0 0 0 0 0 0


sdN=44.1
fwN=1.63
sdE=286.8
fwE=1.62
20190807T070812.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 7.8 9.4
ALT/AZ=67.5 9.5
fwAVG=1.68
sdW=50.2
fwW=1.79
sdS=57.7
fwS=1.70
0 0 0 0 0 0 0 0 0


sdN=34.8
fwN=1.47
sdE=236.9
fwE=1.58
20190807T070917.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 7.8 9.4
ALT/AZ=67.6 9.1
fwAVG=1.54
sdW=32.5
fwW=1.50
sdS=61.0
fwS=1.60
0 0 0 0 0 0 0 0 0


sdN=110.2
fwN=1.42
sdE=518.7
fwE=1.55
20190807T070954.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 7.8 9.4
ALT/AZ=67.6 8.9
fwAVG=1.56
sdW=111.4
fwW=1.64
sdS=181.8
fwS=1.63
0 0 0 0 0 0 0 0 0


sdN=36.2
fwN=1.39
sdE=184.8
fwE=1.44
20190807T071151.0001.fits
SecZ=1.07
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 7.7 9.4
ALT/AZ=69.7 114.2
fwAVG=1.47
sdW=41.2
fwW=1.52
sdS=59.5
fwS=1.55
0 0 0 0 0 0 0 0 0


sdN=96.2
fwN=1.98
sdE=40.8
fwE=1.90
20190807T071235.0001.fits
SecZ=1.07
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 7.8 9.4
ALT/AZ=69.8 114.4
fwAVG=1.90
sdW=29.2
fwW=1.79
sdS=9.4
fwS=1.93
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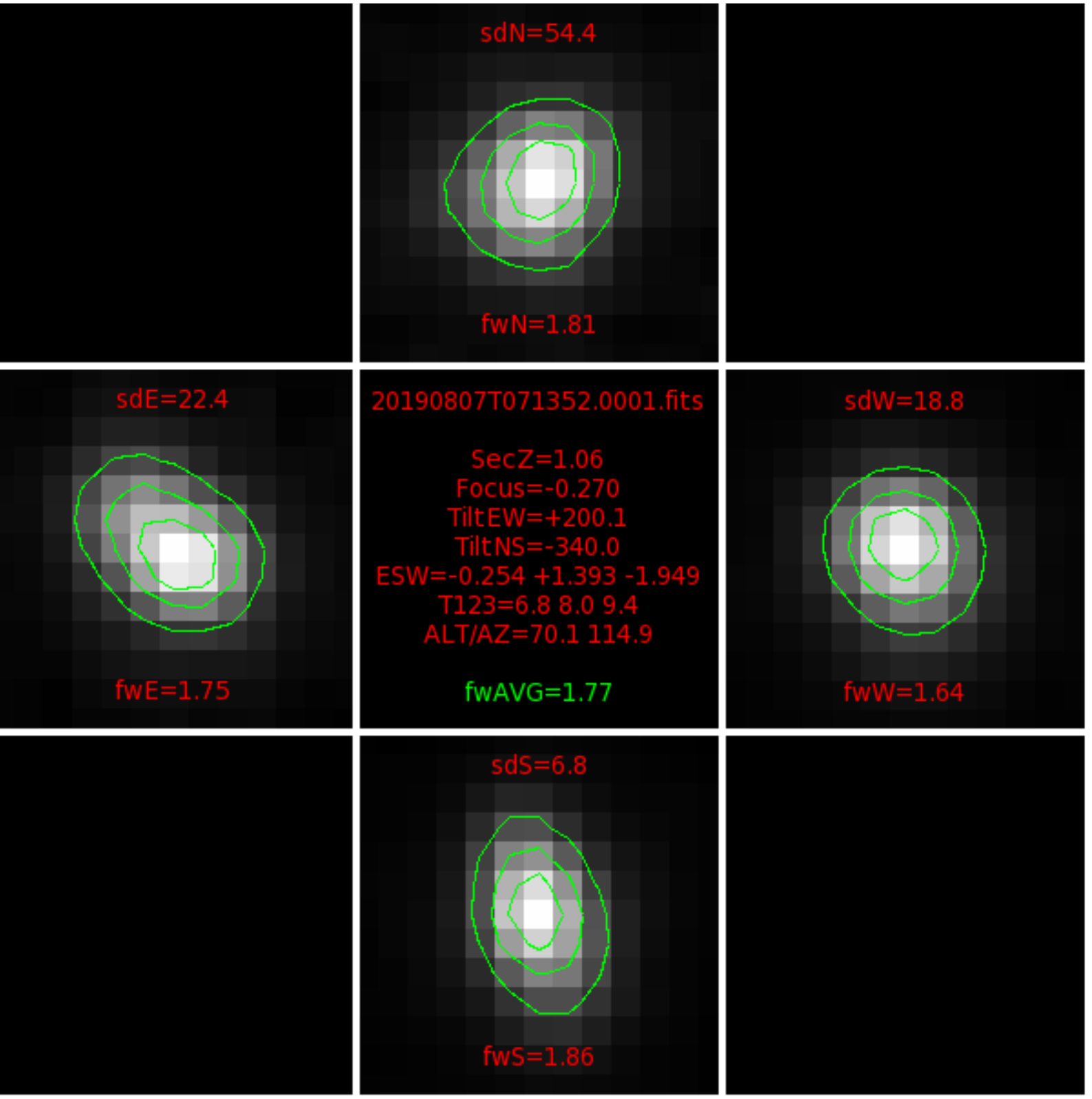
sdN=54.4
fwN=1.81
sdE=22.4
fwE=1.75
20190807T071352.0001.fits
SecZ=1.06
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 8.0 9.4
ALT/AZ=70.1 114.9
fwAVG=1.77
sdW=18.8
fwW=1.64
sdS=6.8
fwS=1.86
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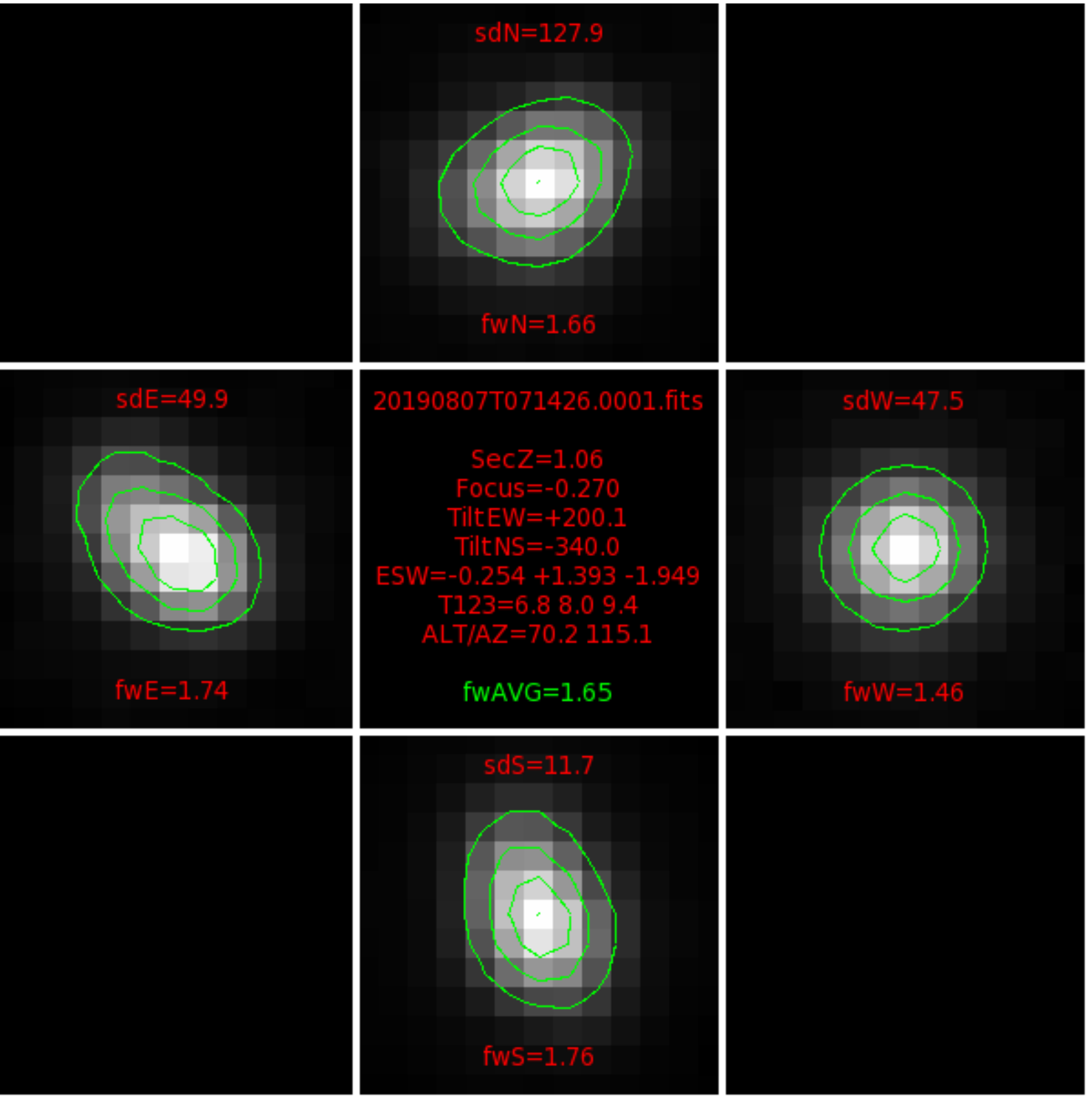
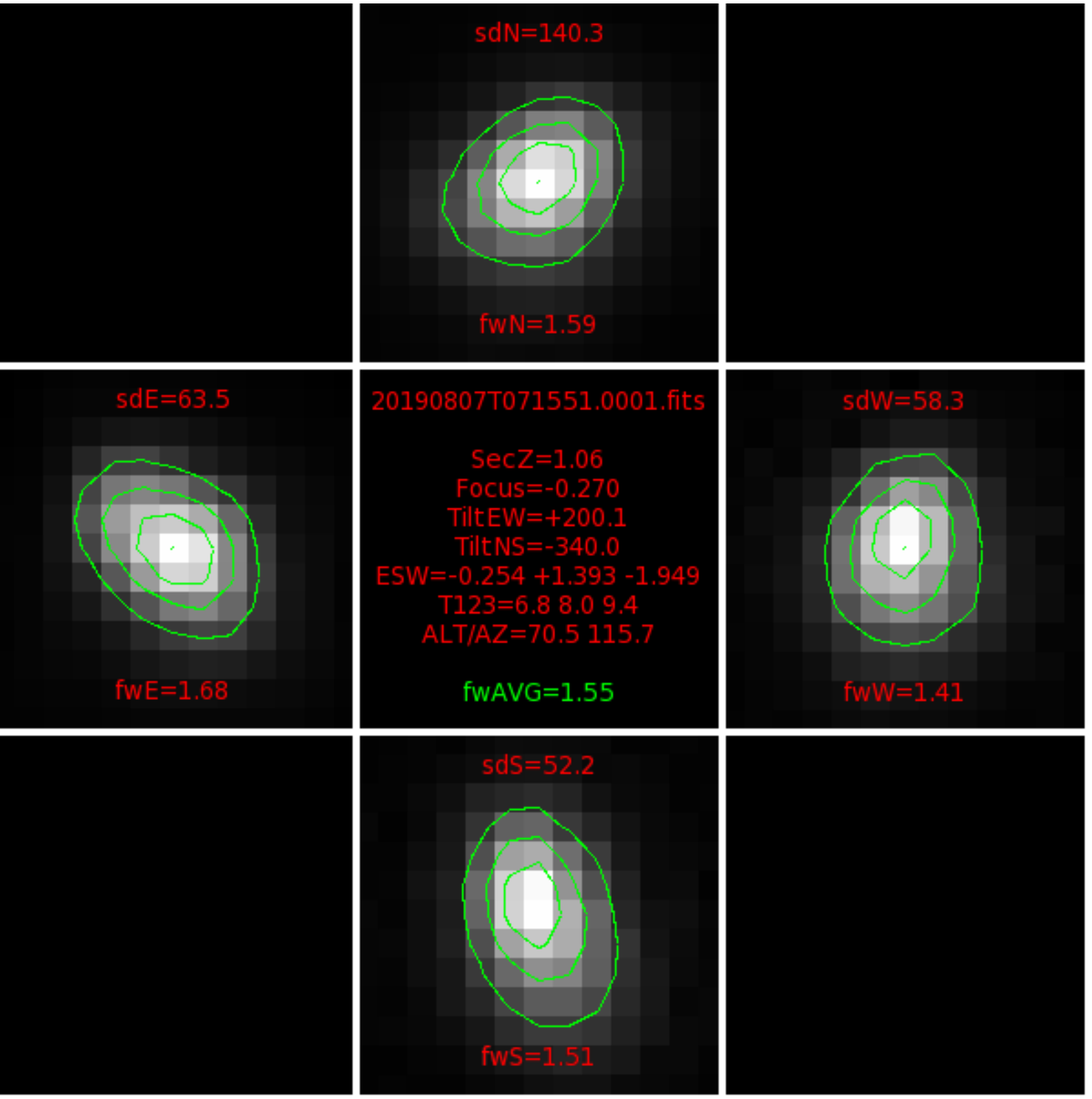

sdN=127.9
fwN=1.66
sdE=49.9
fwE=1.74
20190807T071426.0001.fits
SecZ=1.06
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 8.0 9.4
ALT/AZ=70.2 115.1
fwAVG=1.65
sdW=47.5
fwW=1.46
sdS=11.7
fwS=1.76
0 0 0 0 0 0 0 0 0


sdN=140.3
fwN=1.59
sdE=63.5
fwE=1.68
20190807T071551.0001.fits
SecZ=1.06
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 8.0 9.4
ALT/AZ=70.5 115.7
fwAVG=1.55
sdW=58.3
fwW=1.41
sdS=52.2
fwS=1.51
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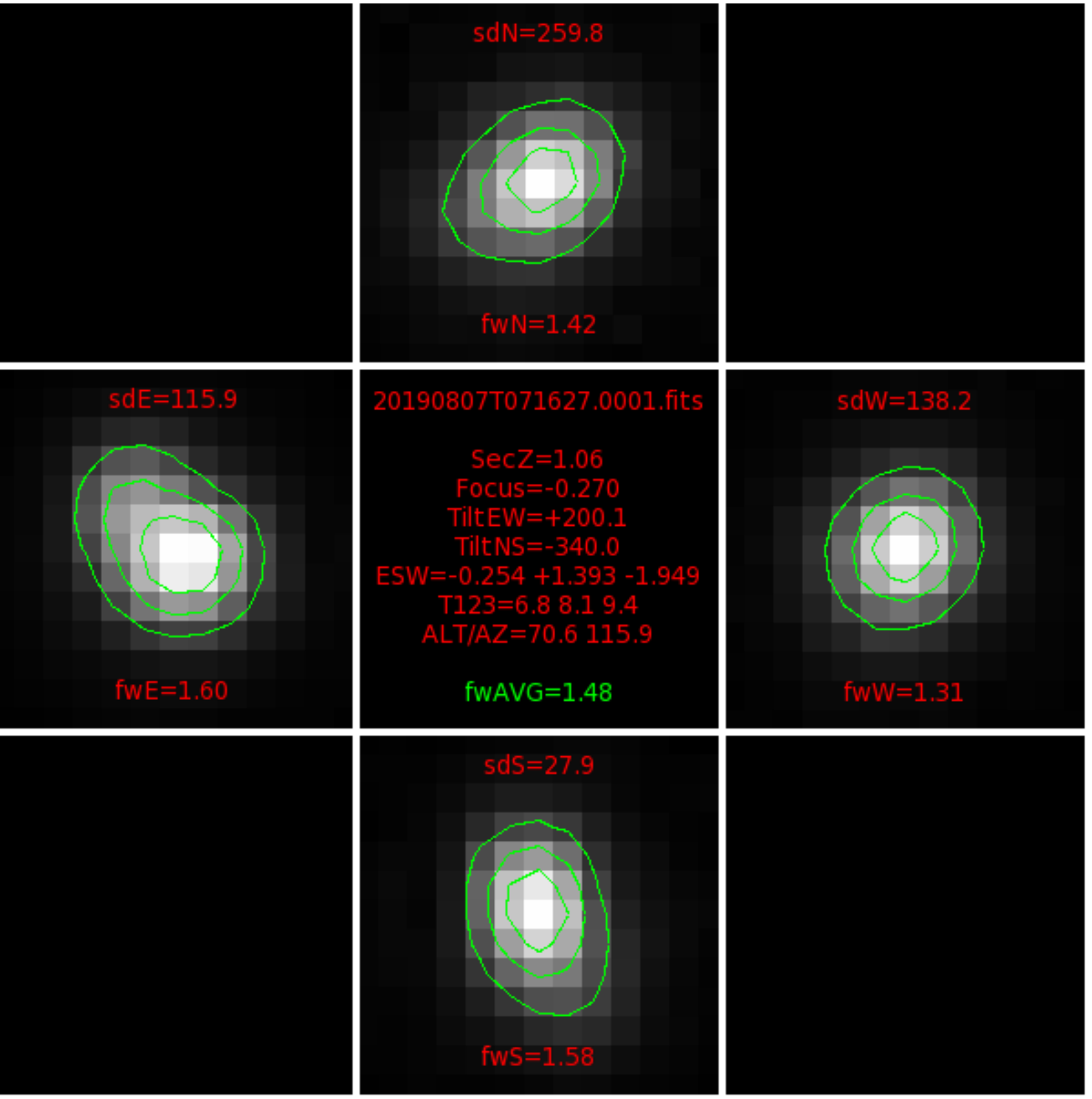
sdN=259.8
fwN=1.42
sdE=115.9
fwE=1.60
20190807T071627.0001.fits
SecZ=1.06
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 8.1 9.4
ALT/AZ=70.6 115.9
fwAVG=1.48
sdW=138.2
fwW=1.31
sdS=27.9
fwS=1.58
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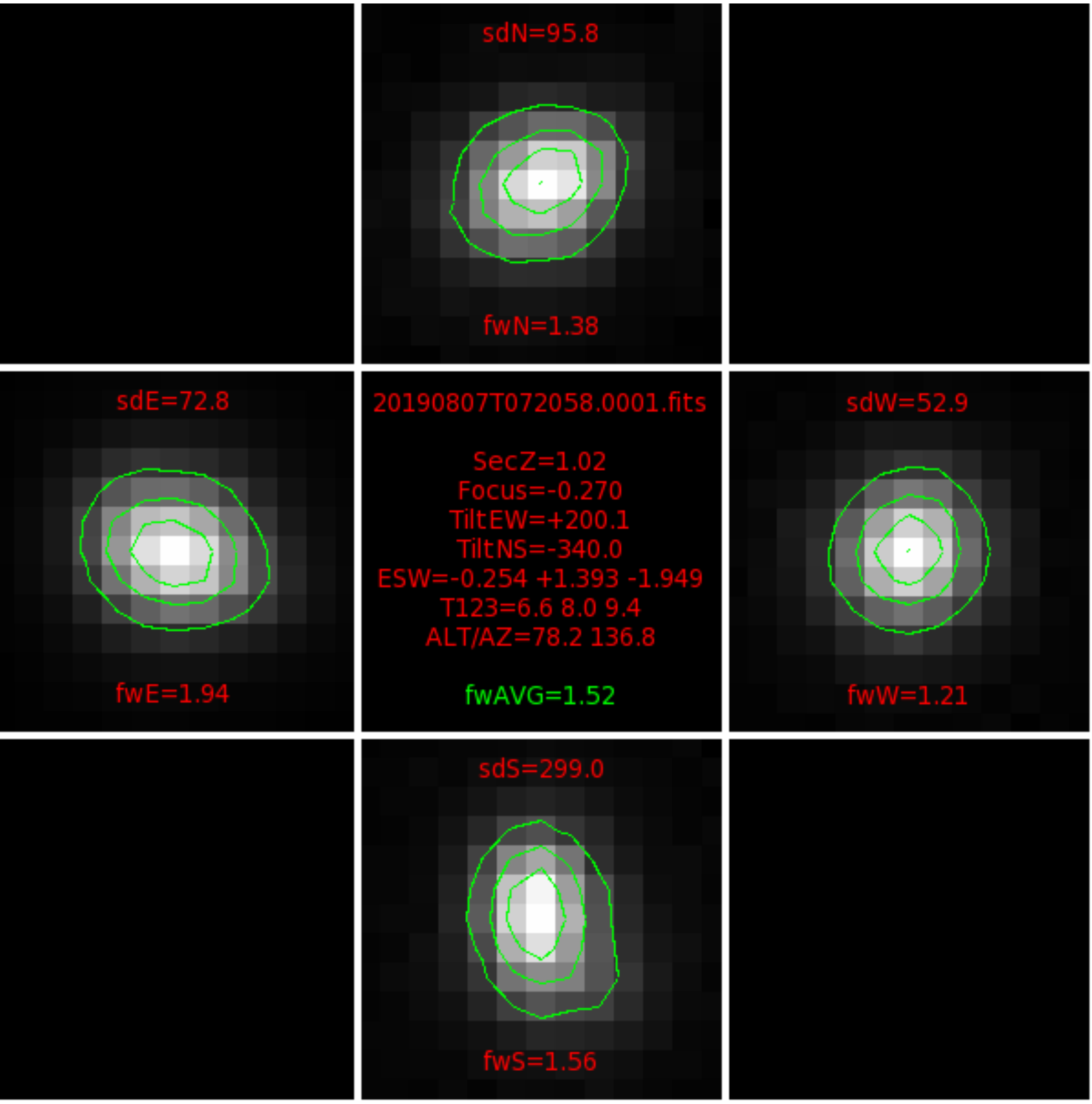
sdN=95.8
fwN=1.38
sdE=72.8
fwE=1.94
20190807T072058.0001.fits
SecZ=1.02
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.6 8.0 9.4
ALT/AZ=78.2 136.8
fwAVG=1.52
sdW=52.9
fwW=1.21
sdS=299.0
fwS=1.56
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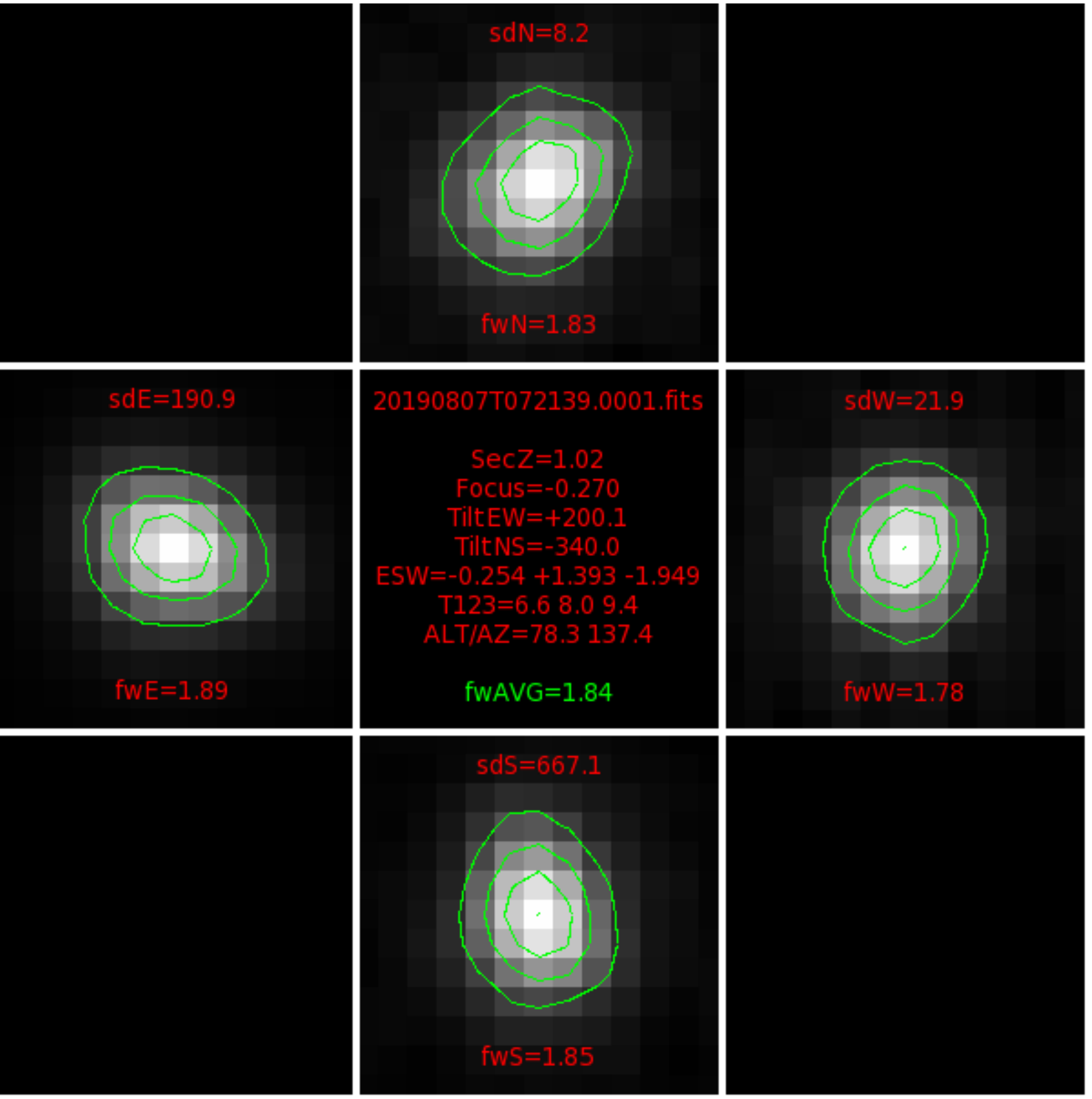
sdN=8.2
fwN=1.83
sdE=190.9
fwE=1.89
20190807T072139.0001.fits
SecZ=1.02
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.6 8.0 9.4
ALT/AZ=78.3 137.4
fwAVG=1.84
sdW=21.9
fwW=1.78
sdS=667.1
fwS=1.85
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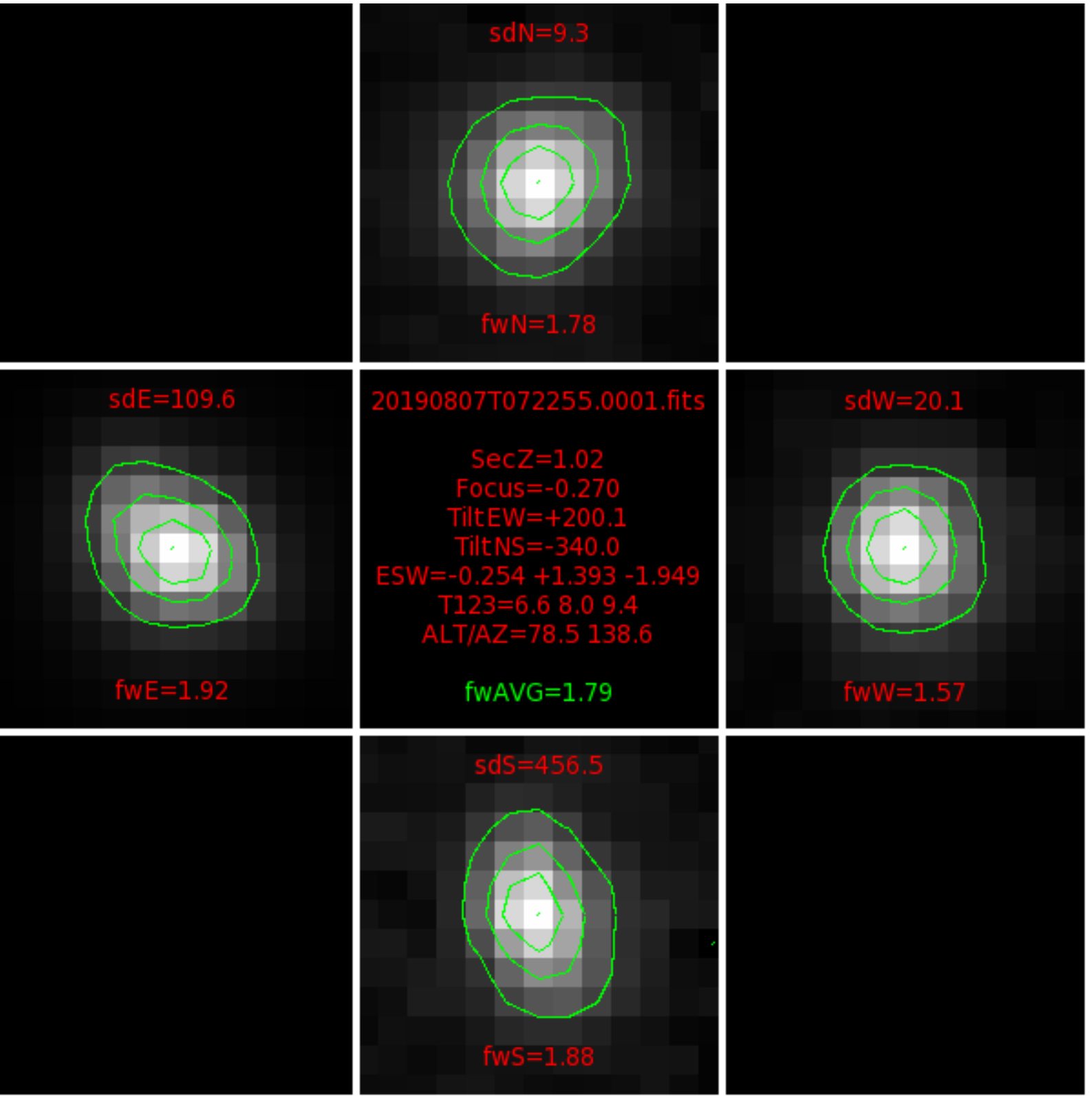
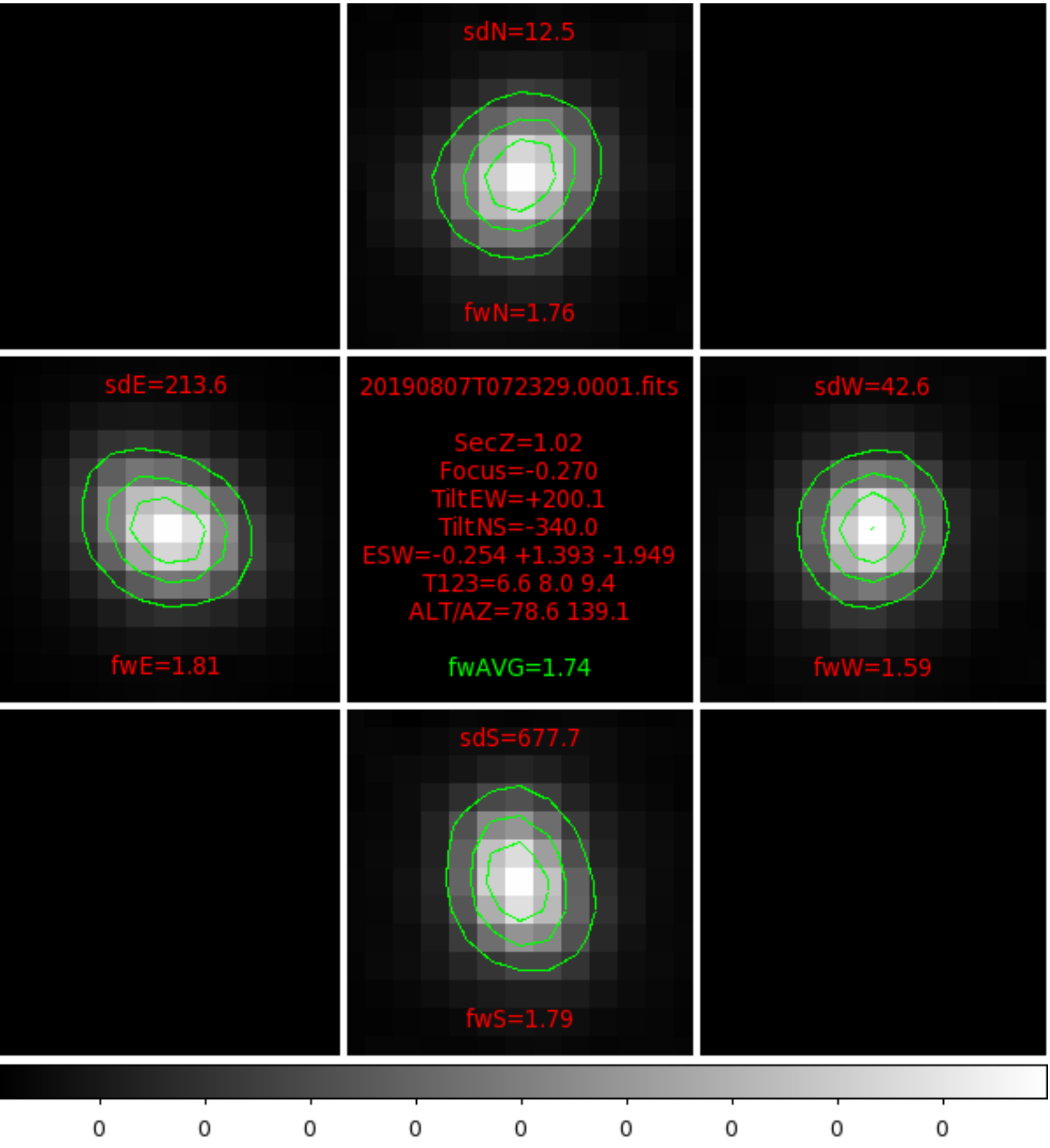
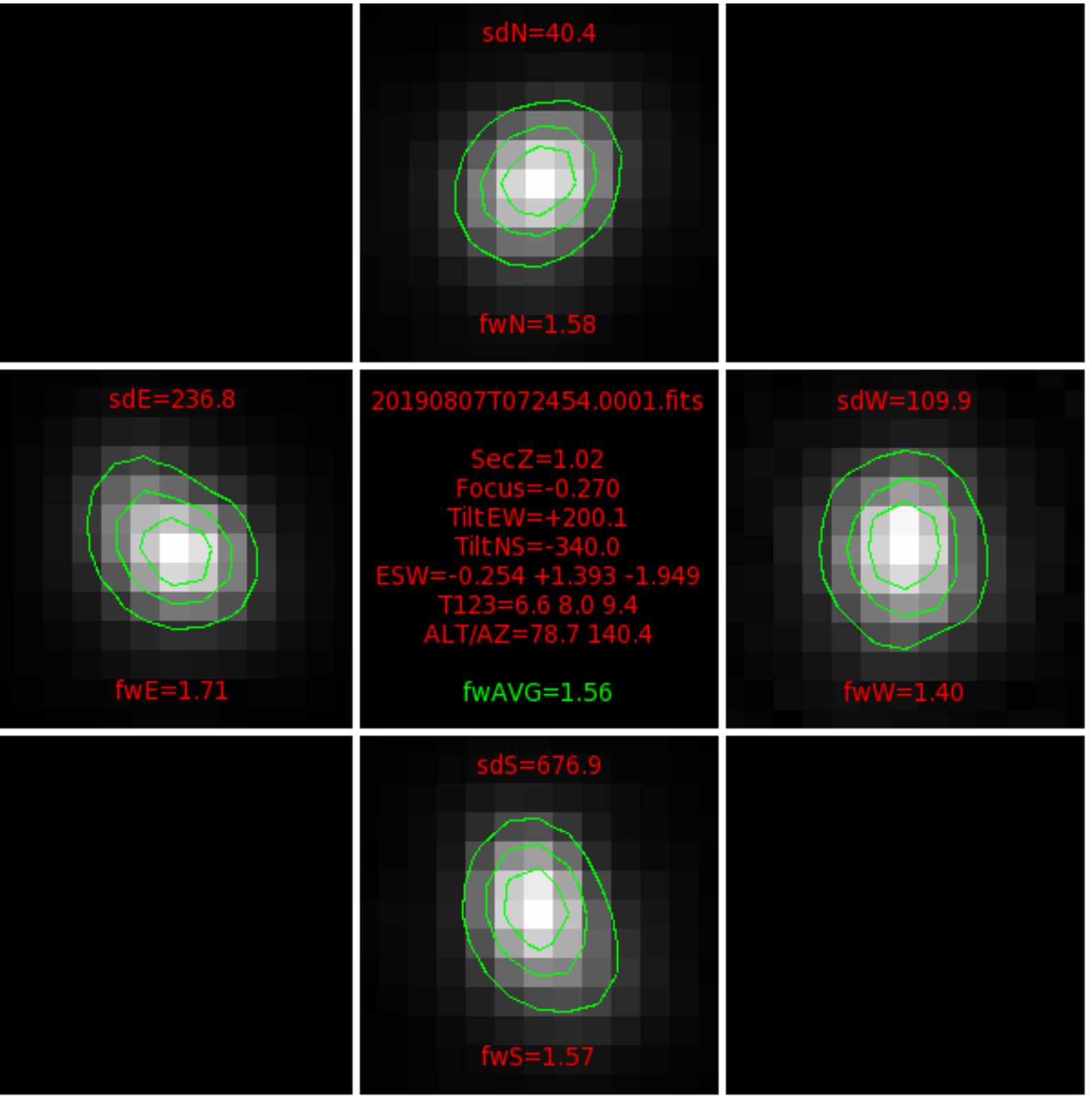
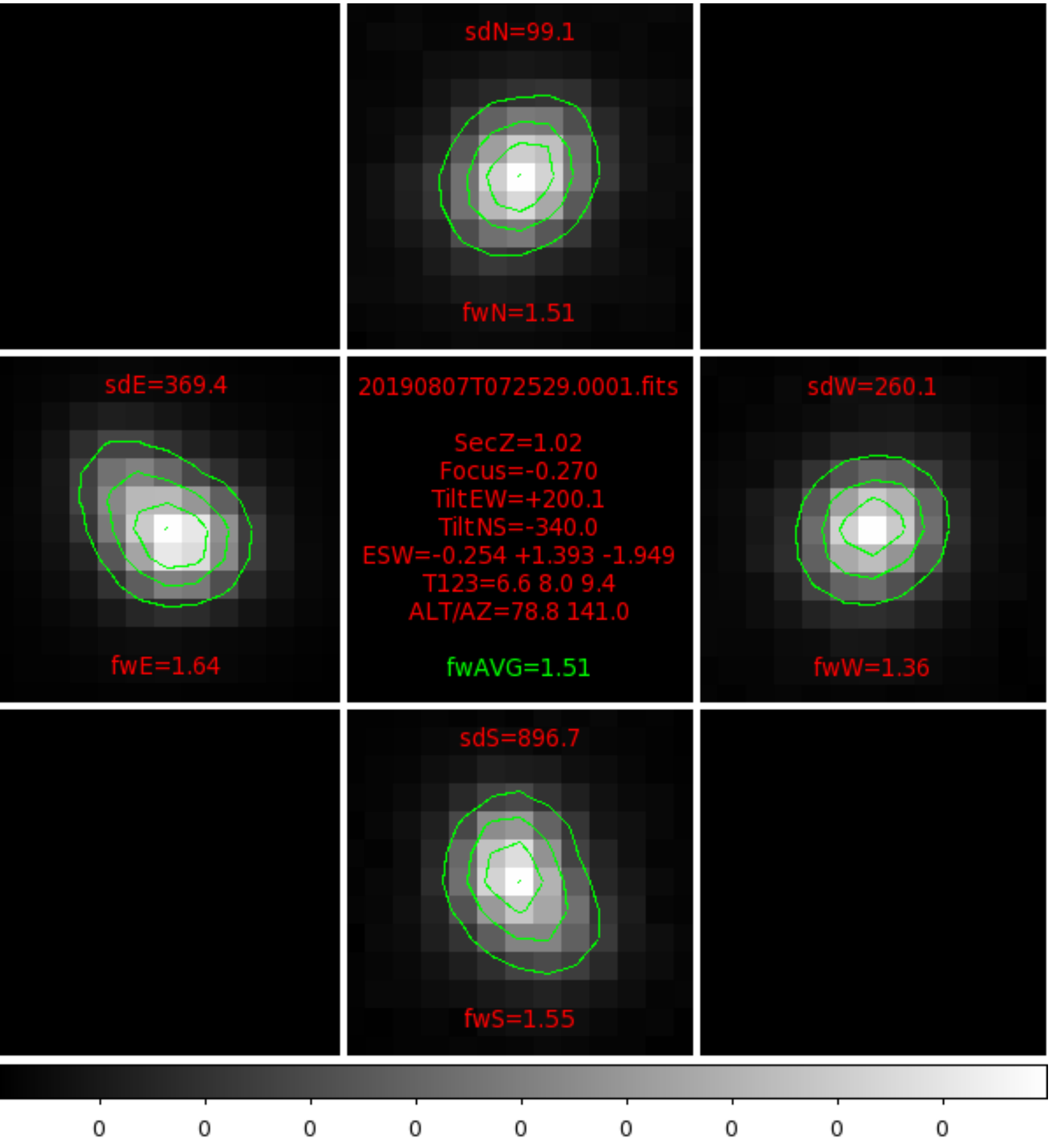
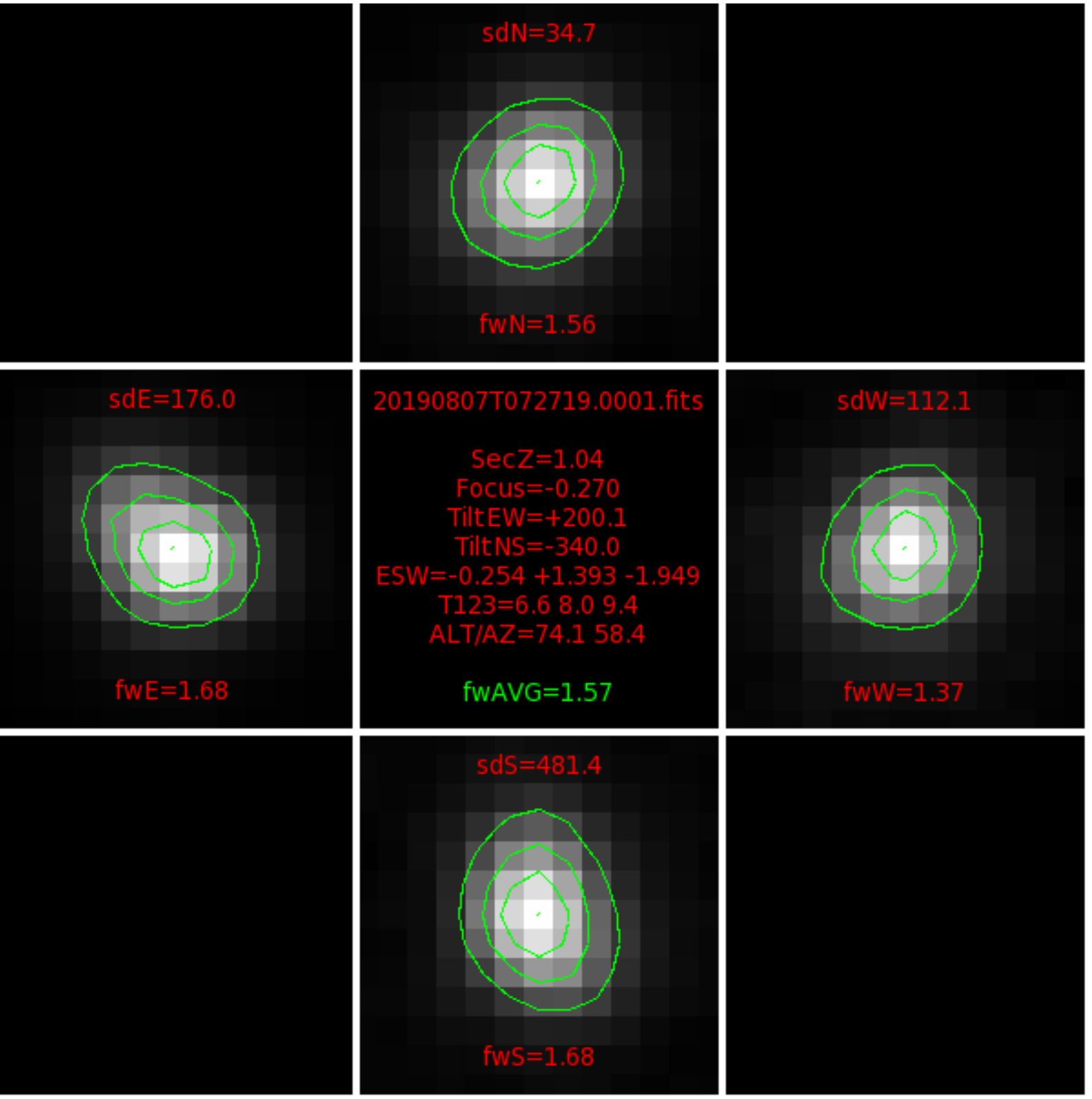
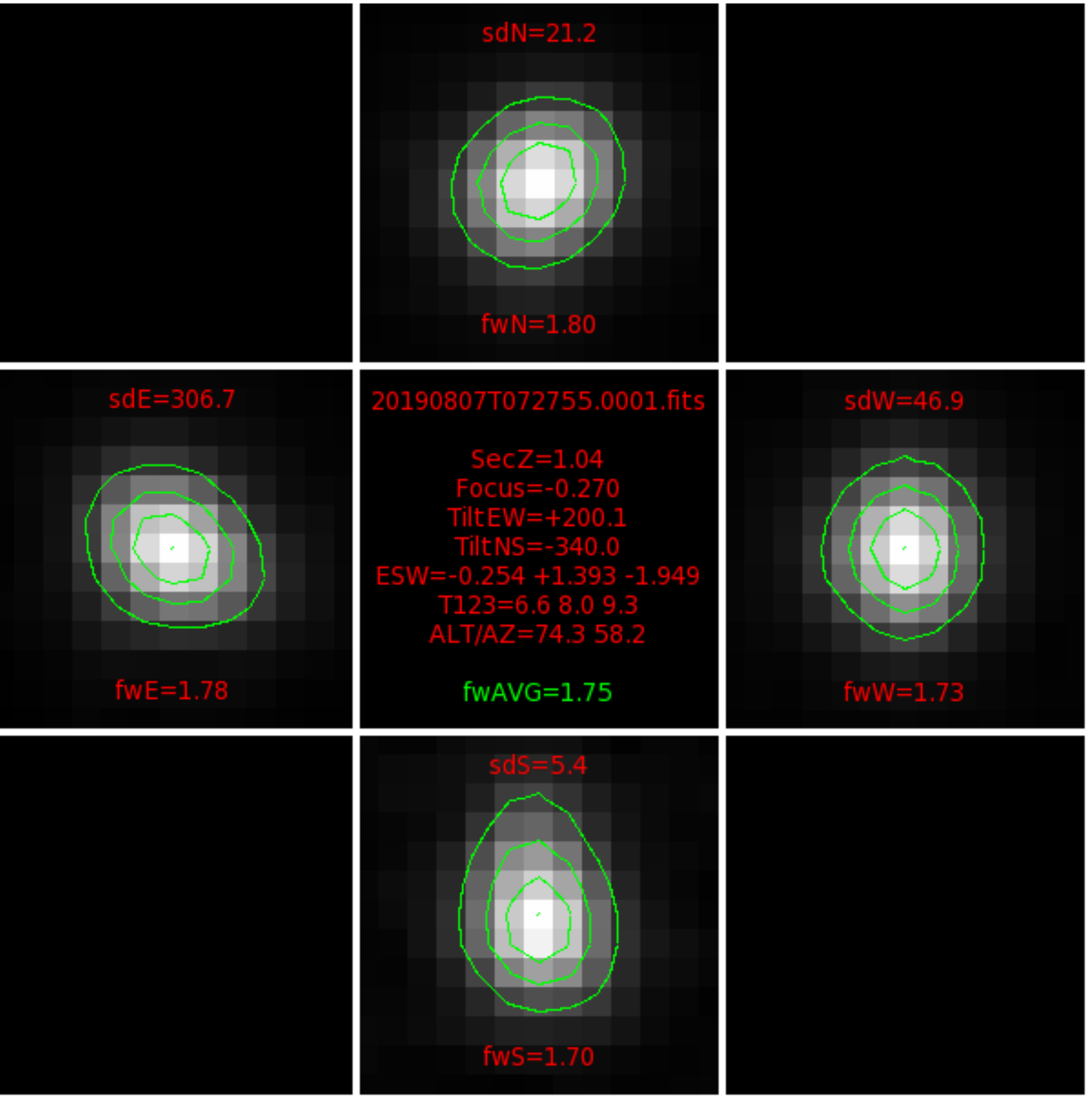

sdN=9.3
fwN=1.78
sdE=109.6
fwE=1.92
20190807T072255.0001.fits
SecZ=1.02
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.6 8.0 9.4
ALT/AZ=78.5 138.6
fwAVG=1.79
sdW=20.1
fwW=1.57
sdS=456.5
fwS=1.88
0 0 0 0 0 0 0 0 0

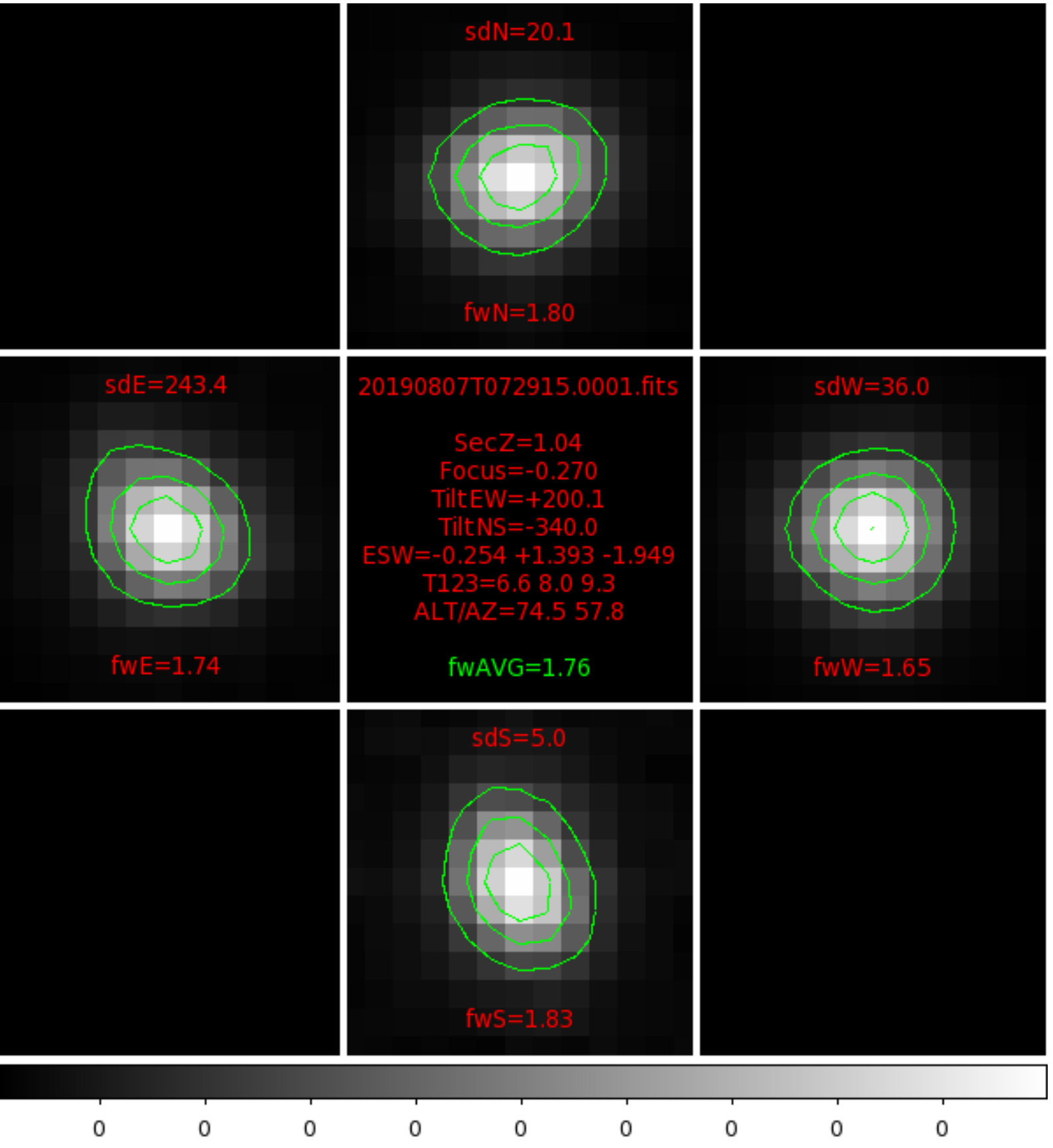

sdN=12.5
fwN=1.76
sdE=213.6
fwE=1.81
20190807T072329.0001.fits
SecZ=1.02
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.6 8.0 9.4
ALT/AZ=78.6 139.1
fwAVG=1.74
sdW=42.6
fwW=1.59
sdS=677.7
fwS=1.79
0 0 0 0 0 0 0 0 0

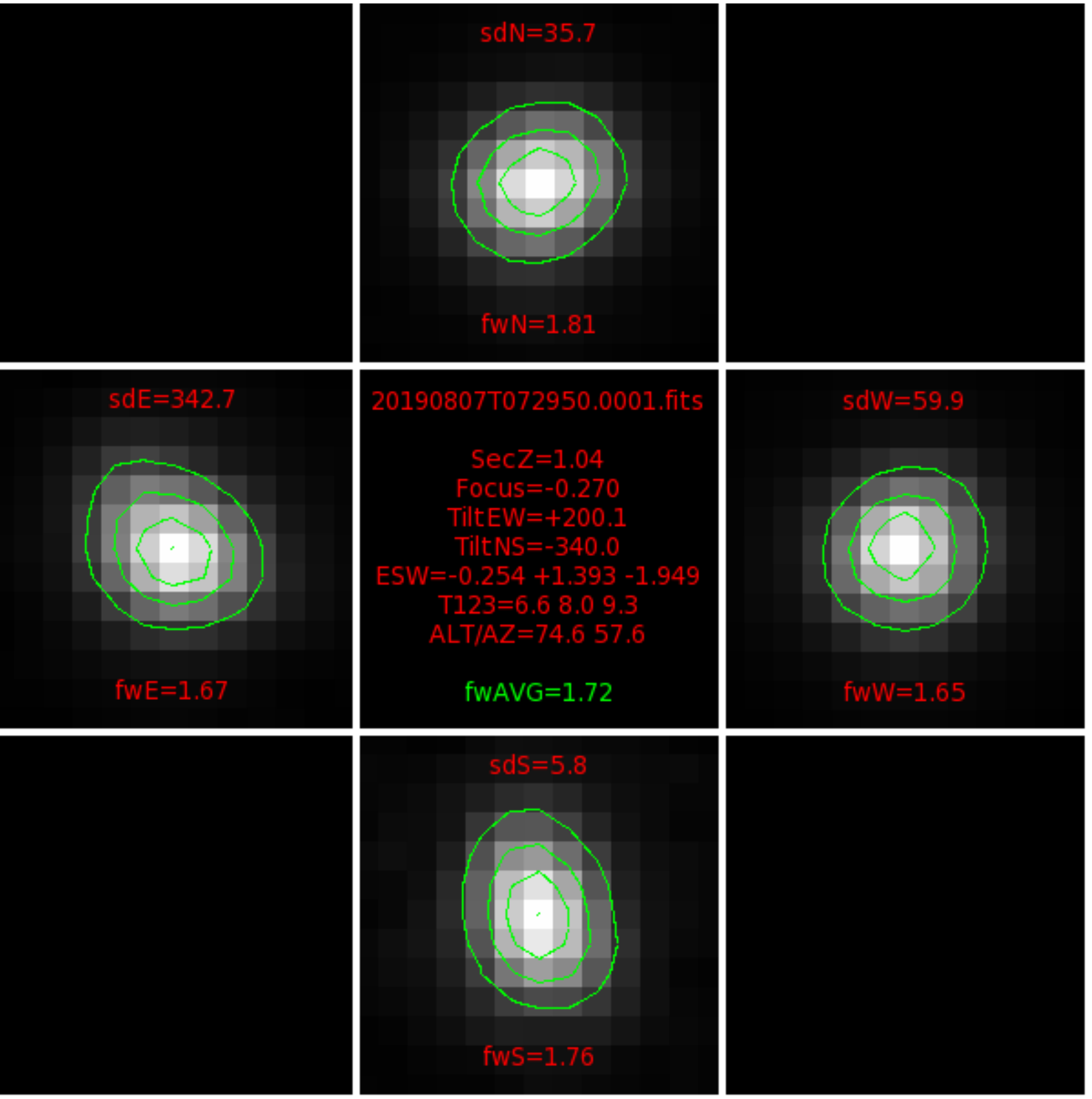

sdN=40.4
fwN=1.58
sdE=236.8
fwE=1.71
20190807T072454.0001.fits
SecZ=1.02
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.6 8.0 9.4
ALT/AZ=78.7 140.4
fwAVG=1.56
sdW=109.9
fwW=1.40
sdS=676.9
fwS=1.57
0 0 0 0 0 0 0 0 0

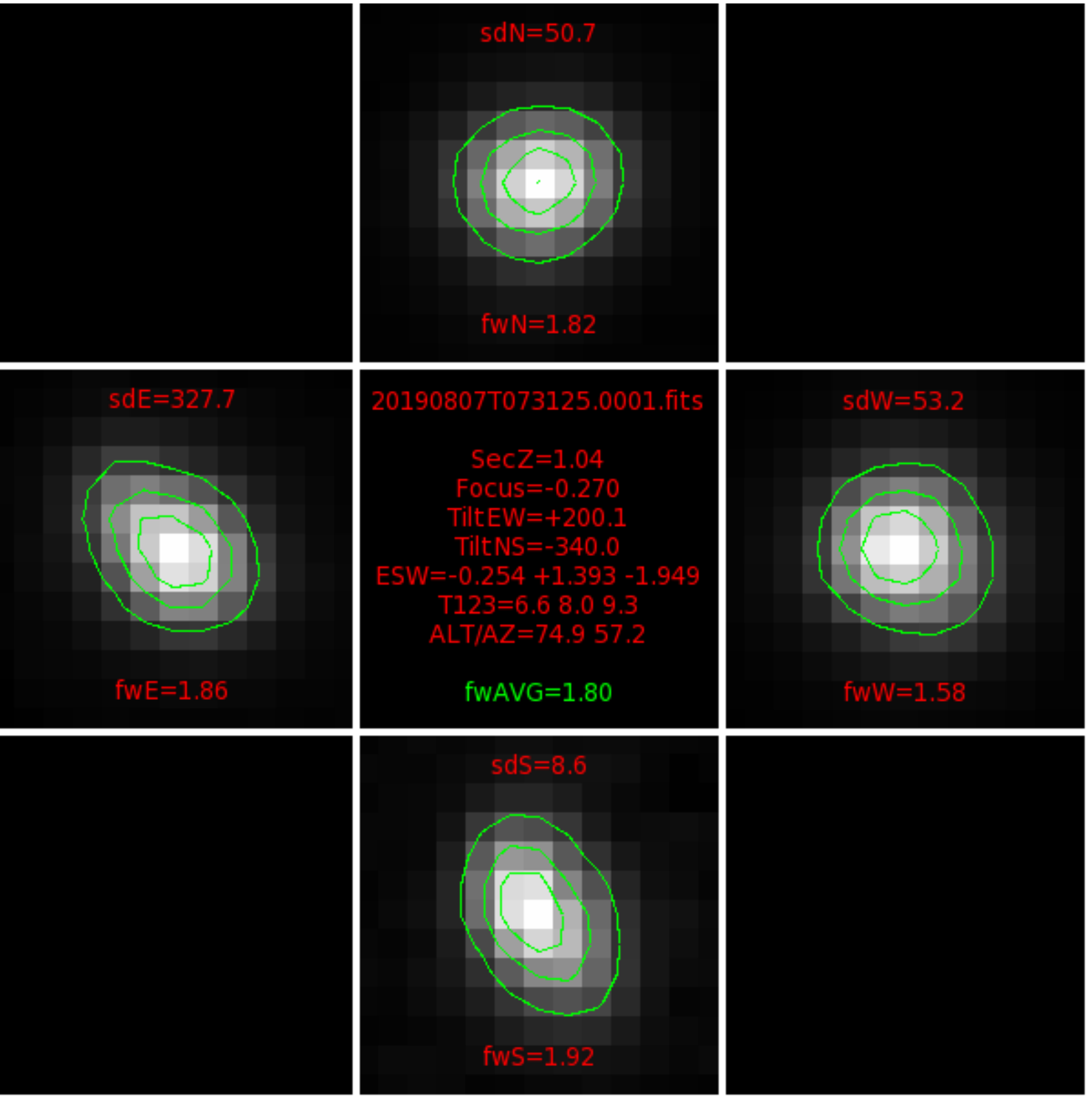

sdN=99.1
fwN=1.51
sdE=369.4
fwE=1.64
20190807T072529.0001.fits
SecZ=1.02
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.6 8.0 9.4
ALT/AZ=78.8 141.0
fwAVG=1.51
sdW=260.1
fwW=1.36
sdS=896.7
fwS=1.55
0 0 0 0 0 0 0 0 0

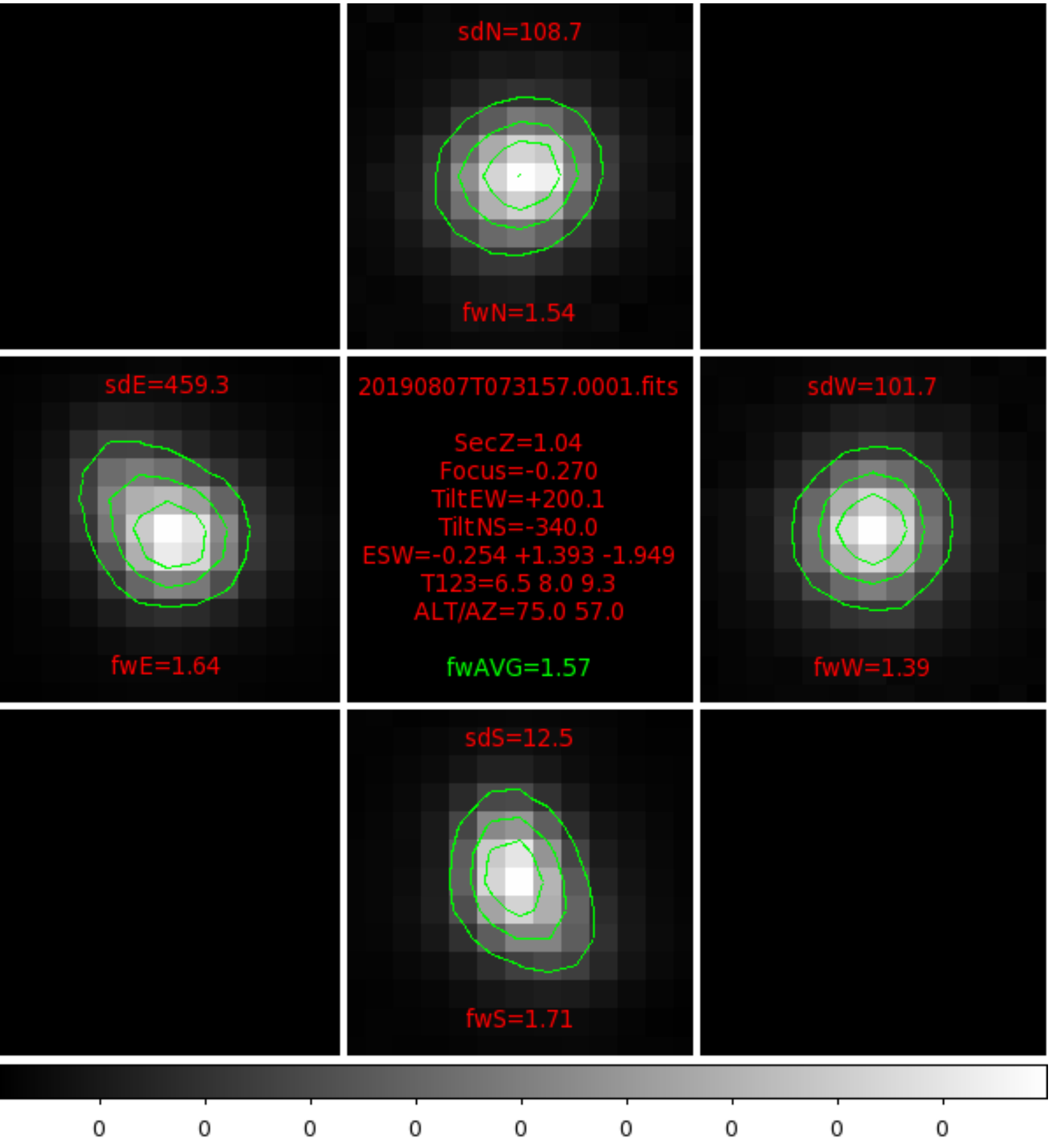

sdN=34.7
fwN=1.56
sdE=176.0
fwE=1.68
20190807T072719.0001.fits
SecZ=1.04
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.6 8.0 9.4
ALT/AZ=74.1 58.4
fwAVG=1.57
sdW=112.1
fwW=1.37
sdS=481.4
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=21.2
fwN=1.80
sdE=306.7
fwE=1.78
20190807T072755.0001.fits
SecZ=1.04
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.6 8.0 9.3
ALT/AZ=74.3 58.2
fwAVG=1.75
sdW=46.9
fwW=1.73
sdS=5.4
fwS=1.70
0 0 0 0 0 0 0 0 0


sdN=20.1
fwN=1.80
sdE=243.4
fwE=1.74
20190807T072915.0001.fits
SecZ=1.04
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.6 8.0 9.3
ALT/AZ=74.5 57.8
fwAVG=1.76
sdW=36.0
fwW=1.65
sdS=5.0
fwS=1.83
0 0 0 0 0 0 0 0 0


sdN=35.7
fwN=1.81
sdE=342.7
fwE=1.67
20190807T072950.0001.fits
SecZ=1.04
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.6 8.0 9.3
ALT/AZ=74.6 57.6
fwAVG=1.72
sdW=59.9
fwW=1.65
sdS=5.8
fwS=1.76
0 0 0 0 0 0 0 0 0


sdN=50.7
fwN=1.82
sdE=327.7
fwE=1.86
20190807T073125.0001.fits
SecZ=1.04
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.6 8.0 9.3
ALT/AZ=74.9 57.2
fwAVG=1.80
sdW=53.2
fwW=1.58
sdS=8.6
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=108.7
fwN=1.54
sdE=459.3
fwE=1.64
20190807T073157.0001.fits
SecZ=1.04
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.5 8.0 9.3
ALT/AZ=75.0 57.0
fwAVG=1.57
sdW=101.7
fwW=1.39
sdS=12.5
fwS=1.71
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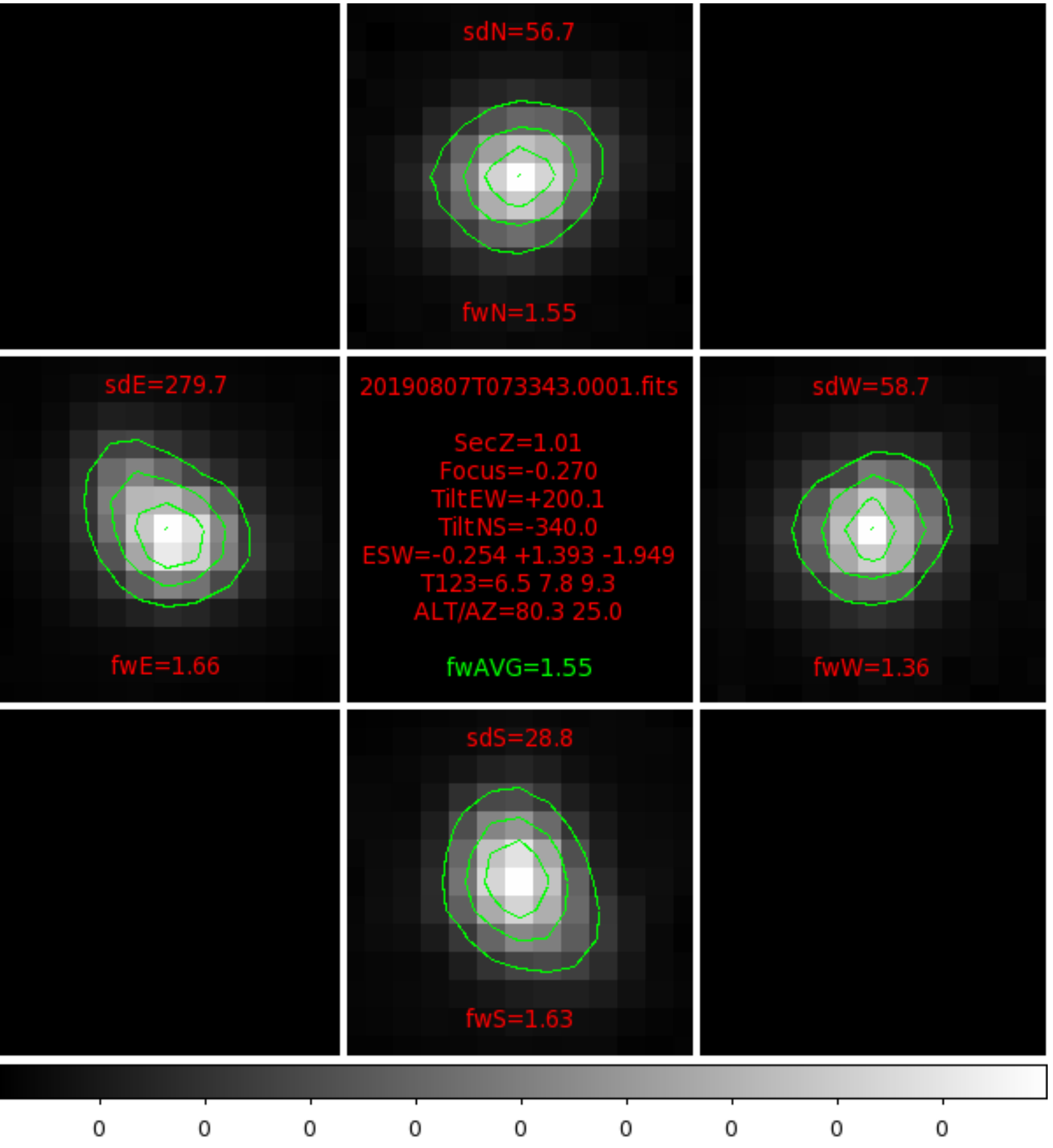
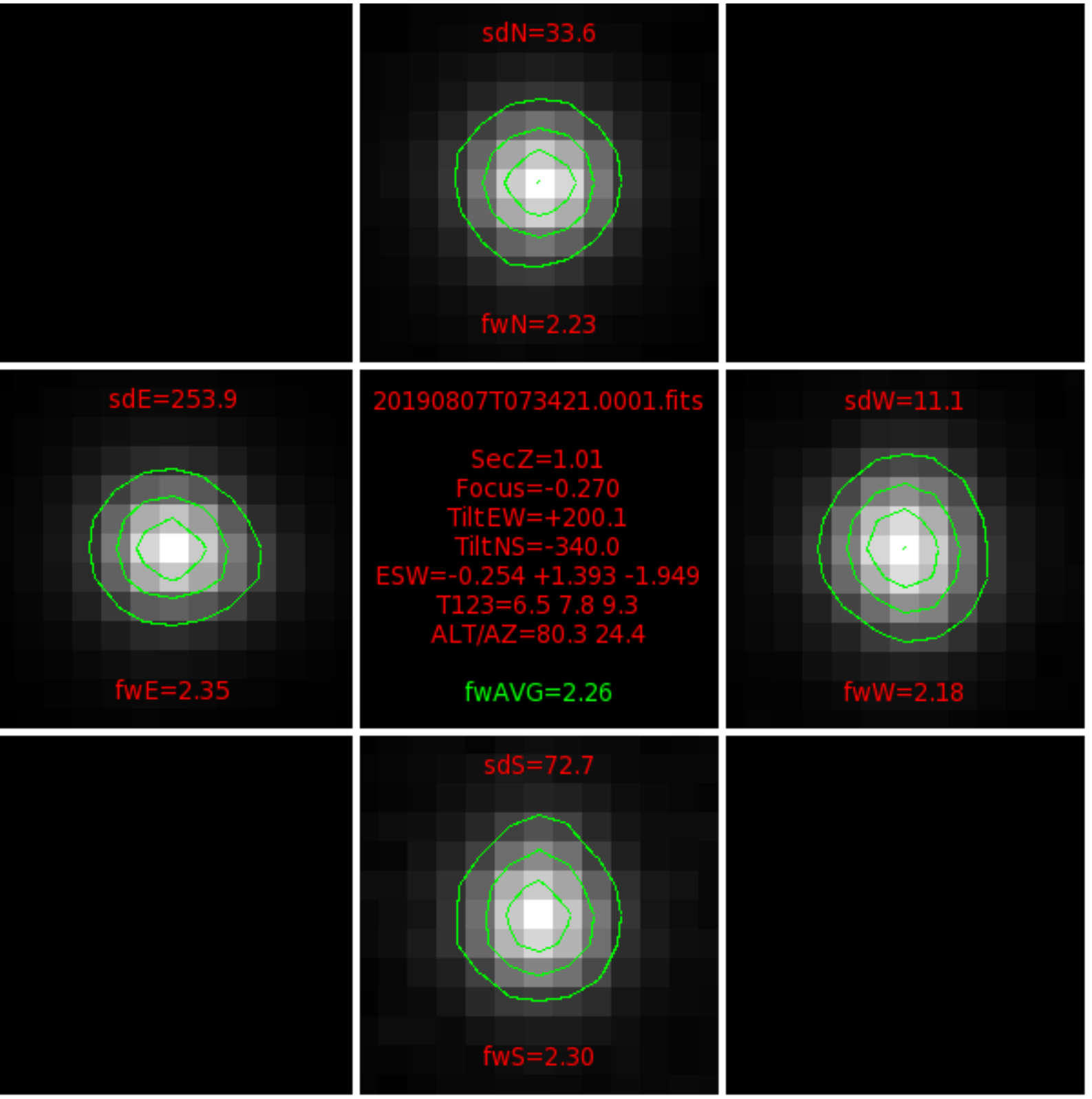

sdN=56.7
fwN=1.55
sdE=279.7
fwE=1.66
20190807T073343.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.5 7.8 9.3
ALT/AZ=80.3 25.0
fwAVG=1.55
sdW=58.7
fwW=1.36
sdS=28.8
fwS=1.63
0 0 0 0 0 0 0 0 0


sdN=33.6
fwN=2.23
sdE=253.9
fwE=2.35
20190807T073421.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.5 7.8 9.3
ALT/AZ=80.3 24.4
fwAVG=2.26
sdW=11.1
fwW=2.18
sdS=72.7
fwS=2.30
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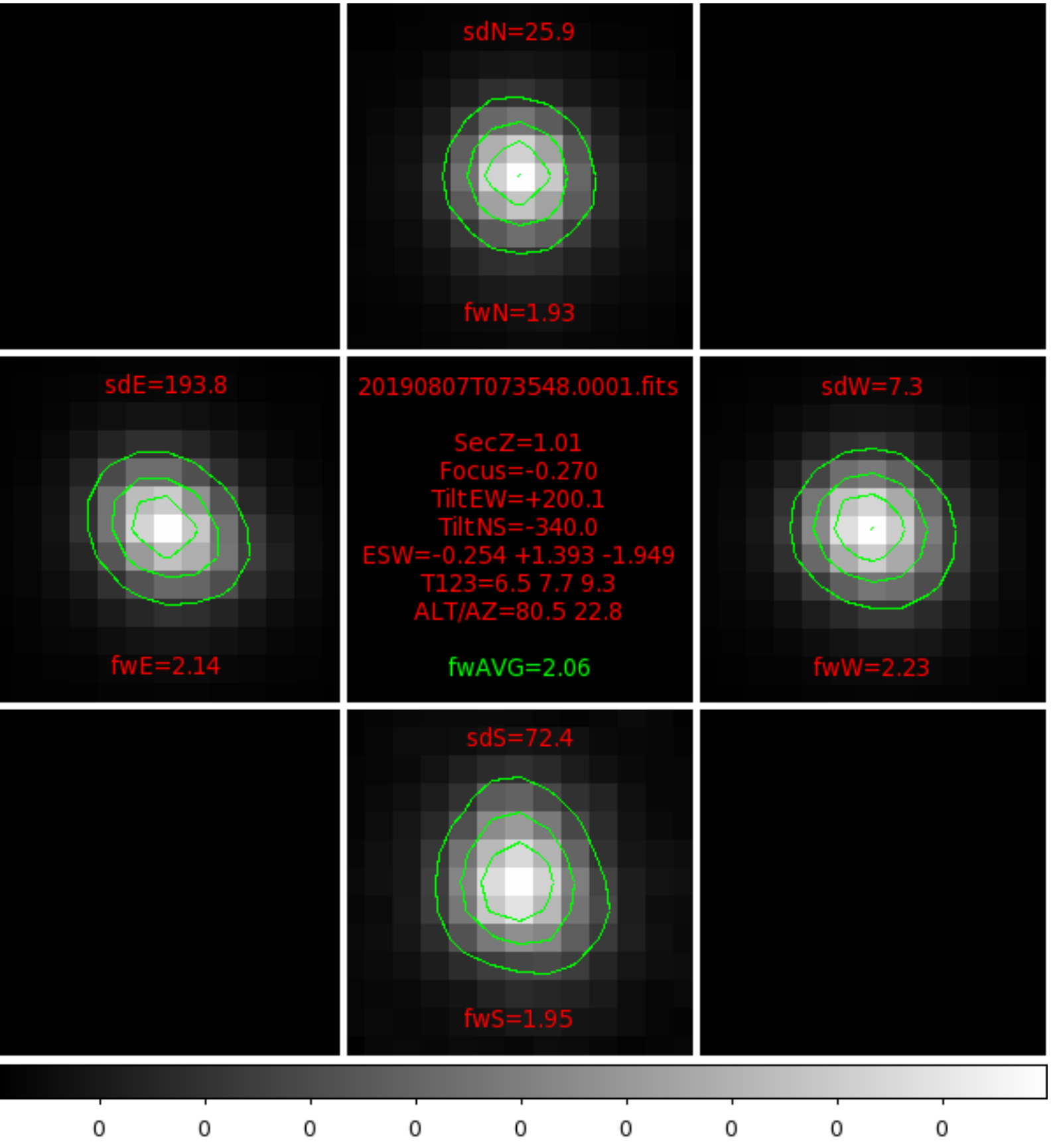
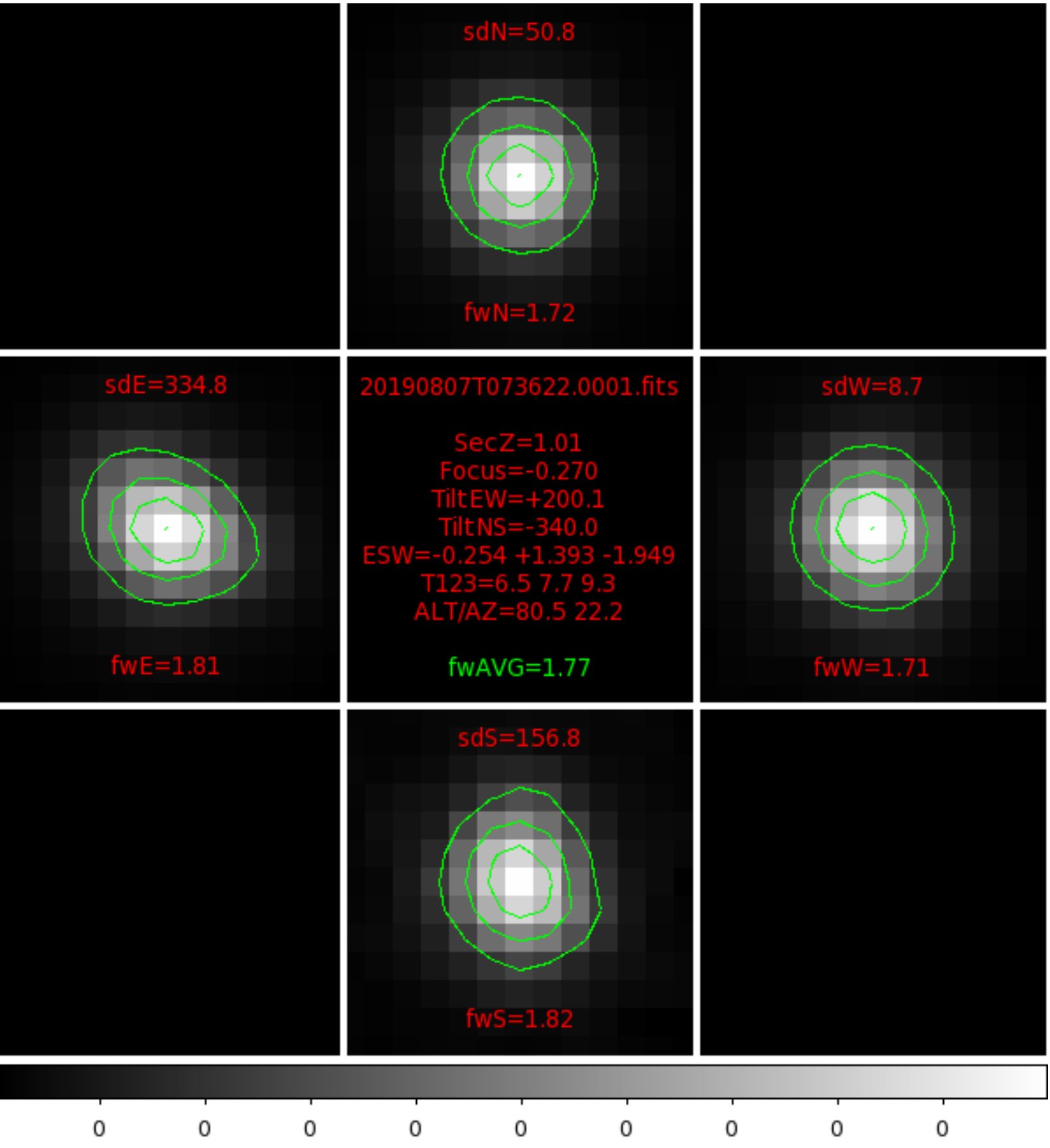
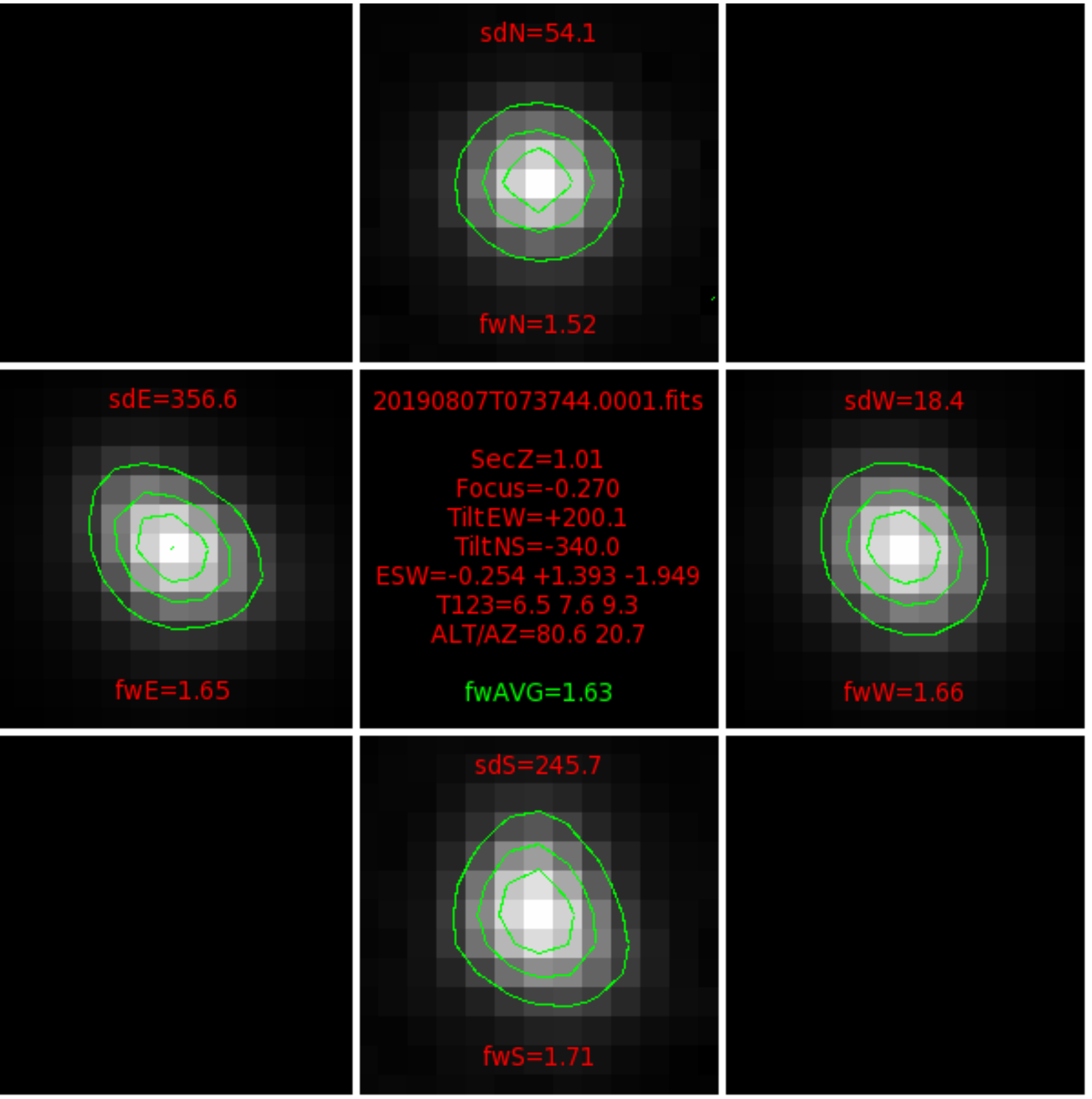
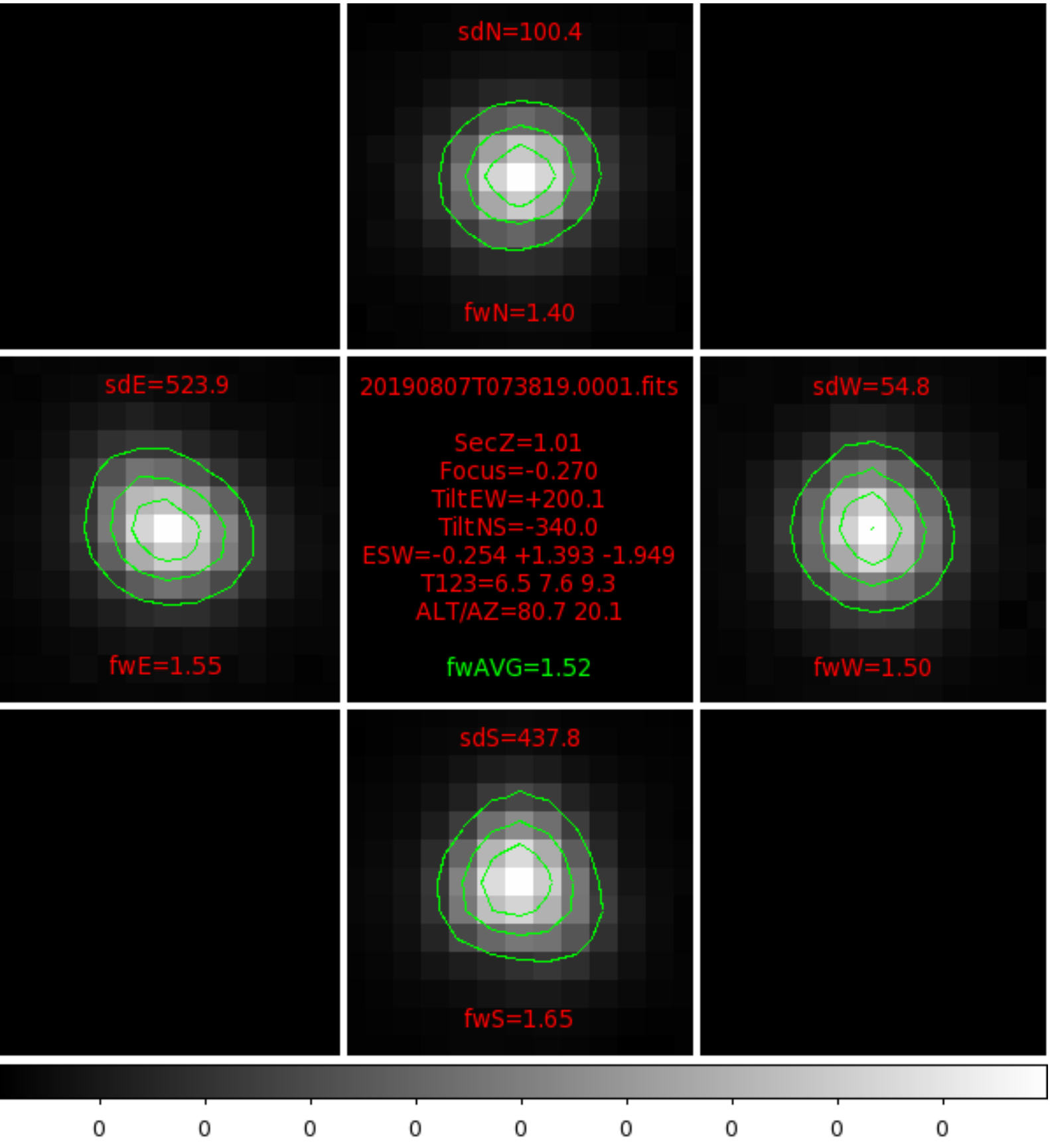
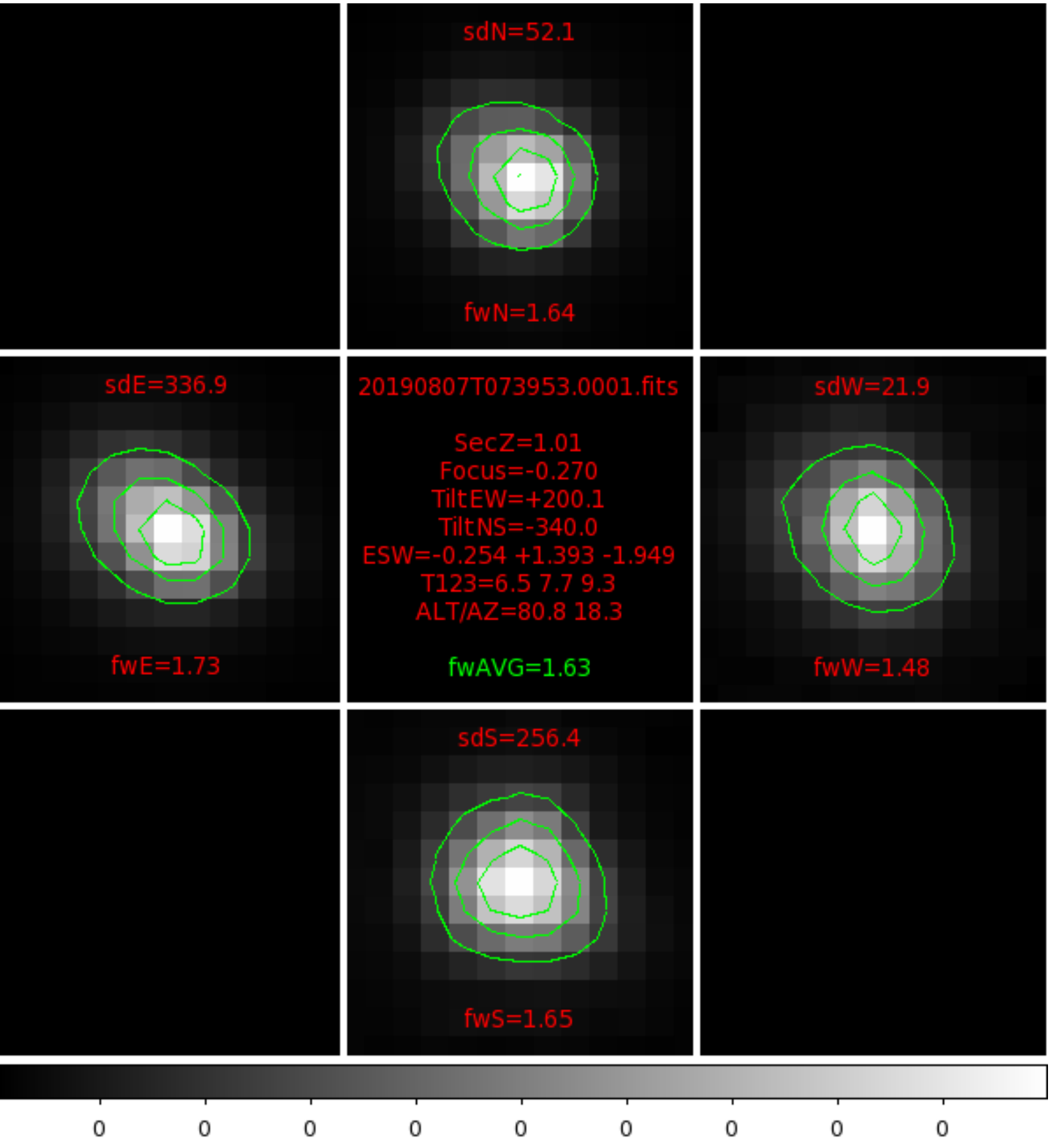
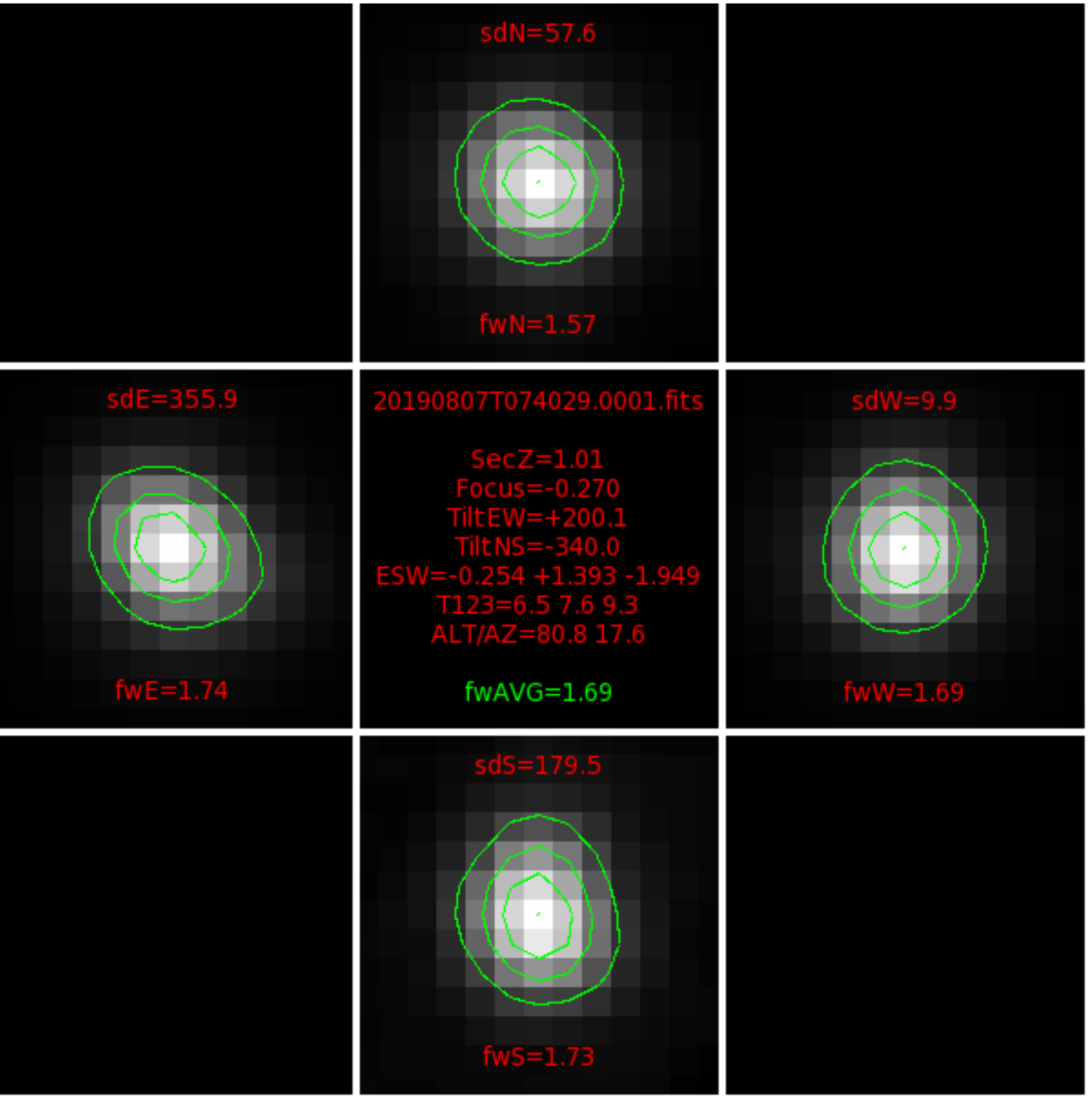

sdN=25.9
fwN=1.93
sdE=193.8
fwE=2.14
20190807T073548.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.5 7.7 9.3
ALT/AZ=80.5 22.8
fwAVG=2.06
sdW=7.3
fwW=2.23
sdS=72.4
fwS=1.95
0 0 0 0 0 0 0 0 0

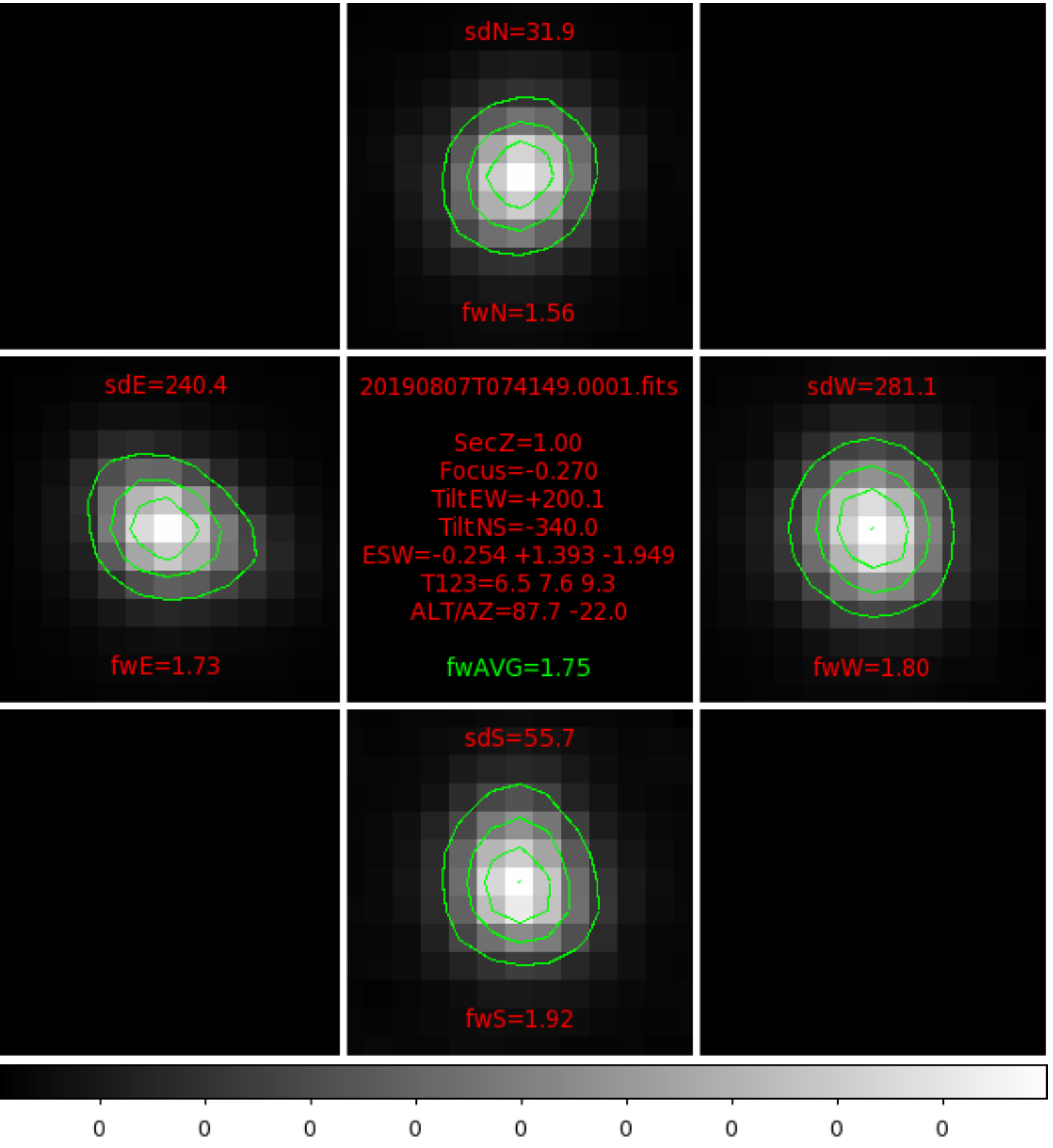

sdN=50.8
fwN=1.72
sdE=334.8
fwE=1.81
20190807T073622.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.5 7.7 9.3
ALT/AZ=80.5 22.2
fwAVG=1.77
sdW=8.7
fwW=1.71
sdS=156.8
fwS=1.82
0 0 0 0 0 0 0 0 0

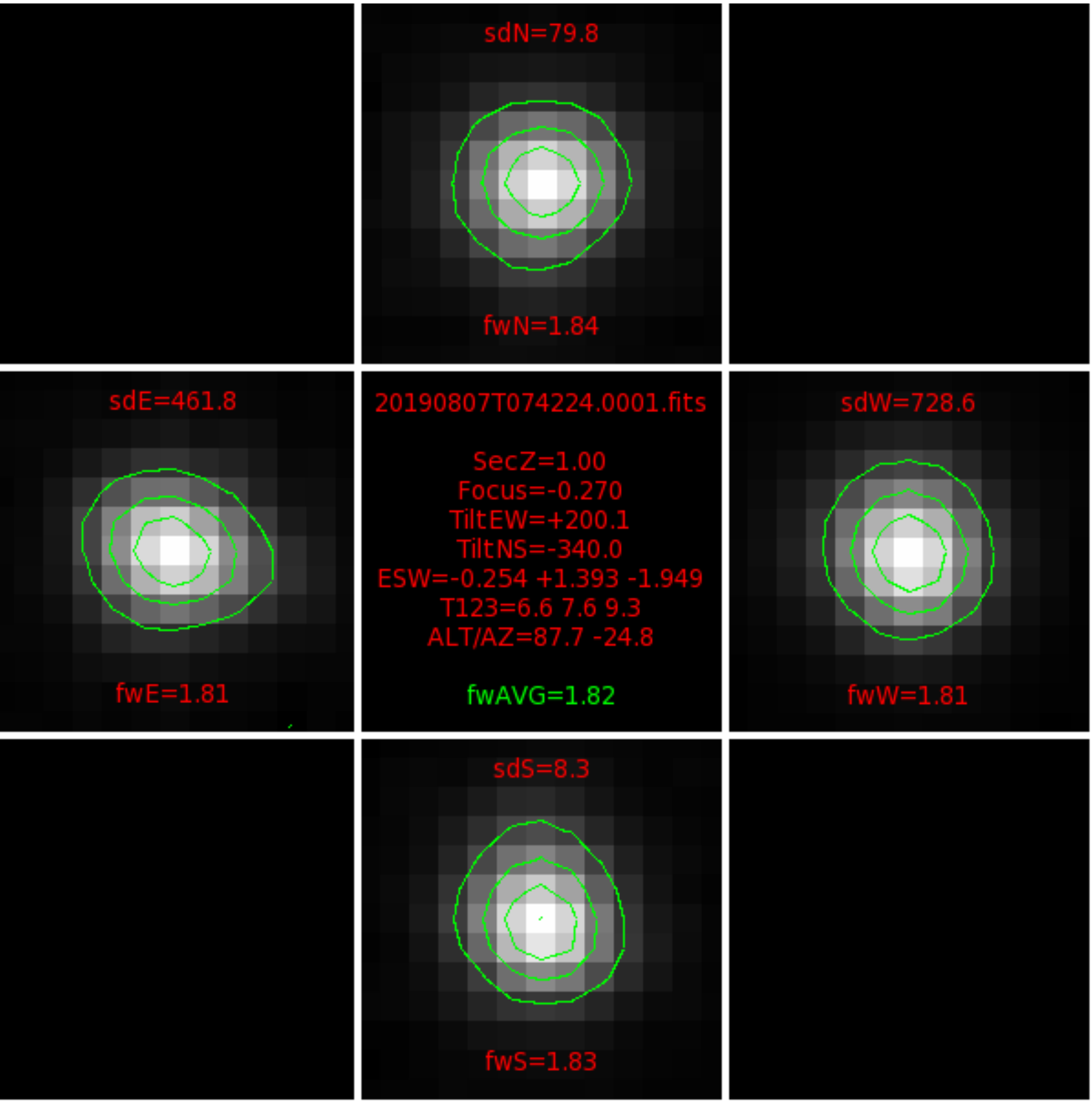

sdN=54.1
fwN=1.52
sdE=356.6
fwE=1.65
20190807T073744.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.5 7.6 9.3
ALT/AZ=80.6 20.7
fwAVG=1.63
sdW=18.4
fwW=1.66
sdS=245.7
fwS=1.71
0 0 0 0 0 0 0 0 0


sdN=100.4
fwN=1.40
sdE=523.9
fwE=1.55
20190807T073819.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.5 7.6 9.3
ALT/AZ=80.7 20.1
fwAVG=1.52
sdW=54.8
fwW=1.50
sdS=437.8
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=52.1
fwN=1.64
sdE=336.9
fwE=1.73
20190807T073953.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.5 7.7 9.3
ALT/AZ=80.8 18.3
fwAVG=1.63
sdW=21.9
fwW=1.48
sdS=256.4
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=57.6
fwN=1.57
sdE=355.9
fwE=1.74
20190807T074029.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.5 7.6 9.3
ALT/AZ=80.8 17.6
fwAVG=1.69
sdW=9.9
fwW=1.69
sdS=179.5
fwS=1.73
0 0 0 0 0 0 0 0 0


sdN=31.9
fwN=1.56
sdE=240.4
fwE=1.73
20190807T074149.0001.fits
SecZ=1.00
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.5 7.6 9.3
ALT/AZ=87.7 -22.0
fwAVG=1.75
sdW=281.1
fwW=1.80
sdS=55.7
fwS=1.92
0 0 0 0 0 0 0 0 0


sdN=79.8
fwN=1.84
sdE=461.8
fwE=1.81
20190807T074224.0001.fits
SecZ=1.00
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.6 7.6 9.3
ALT/AZ=87.7 -24.8
fwAVG=1.82
sdW=728.6
fwW=1.81
sdS=8.3
fwS=1.83
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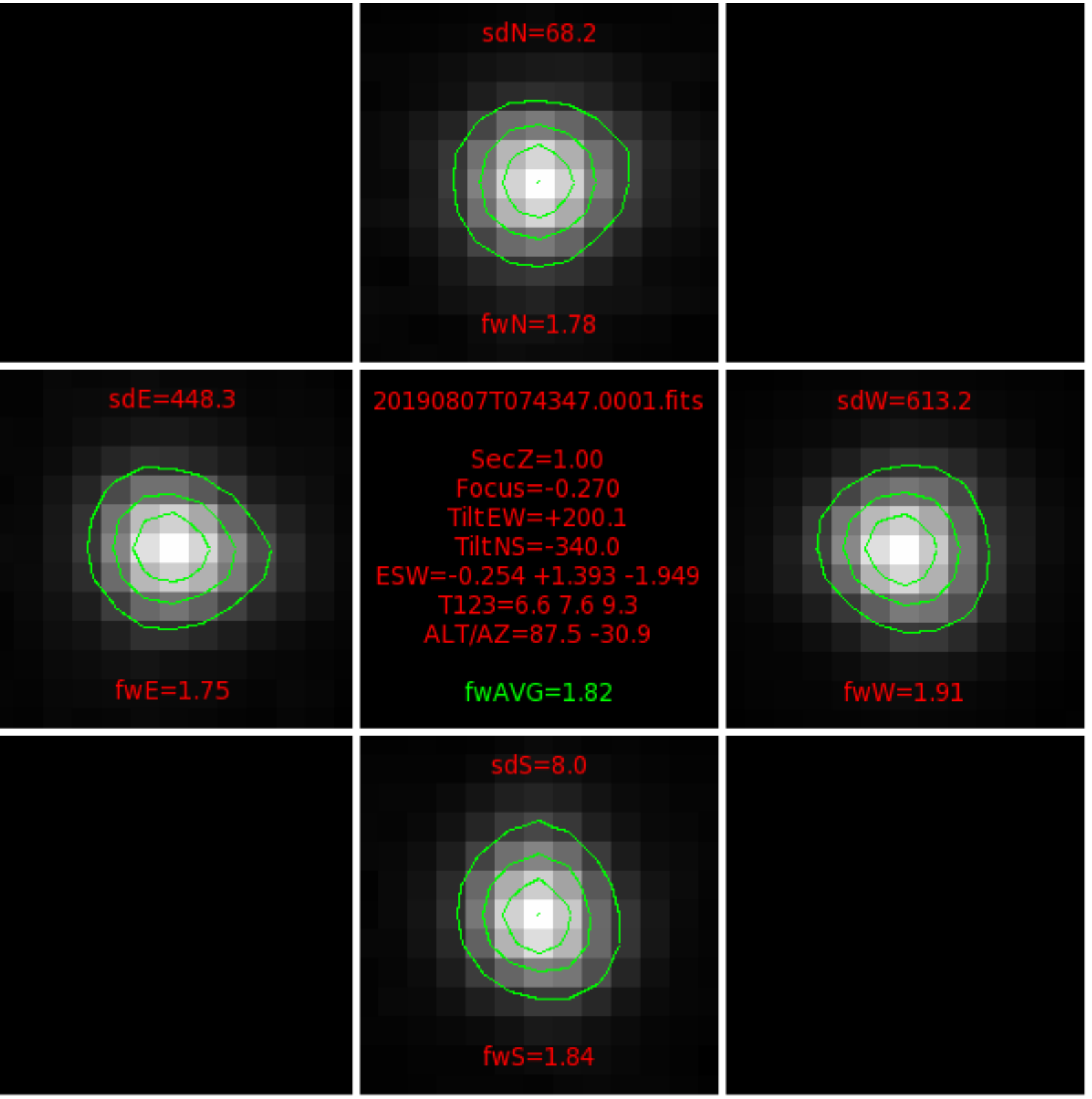
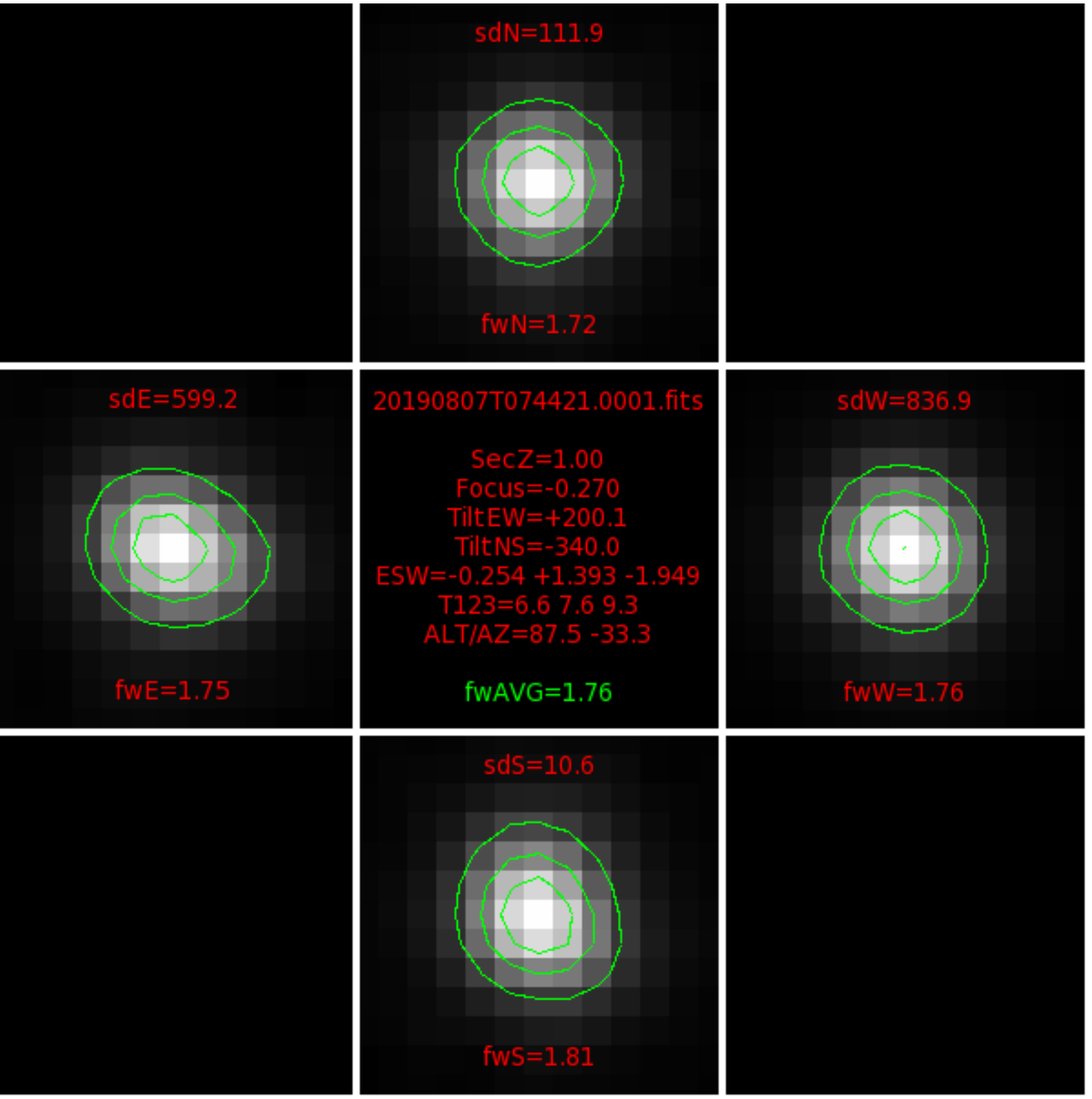
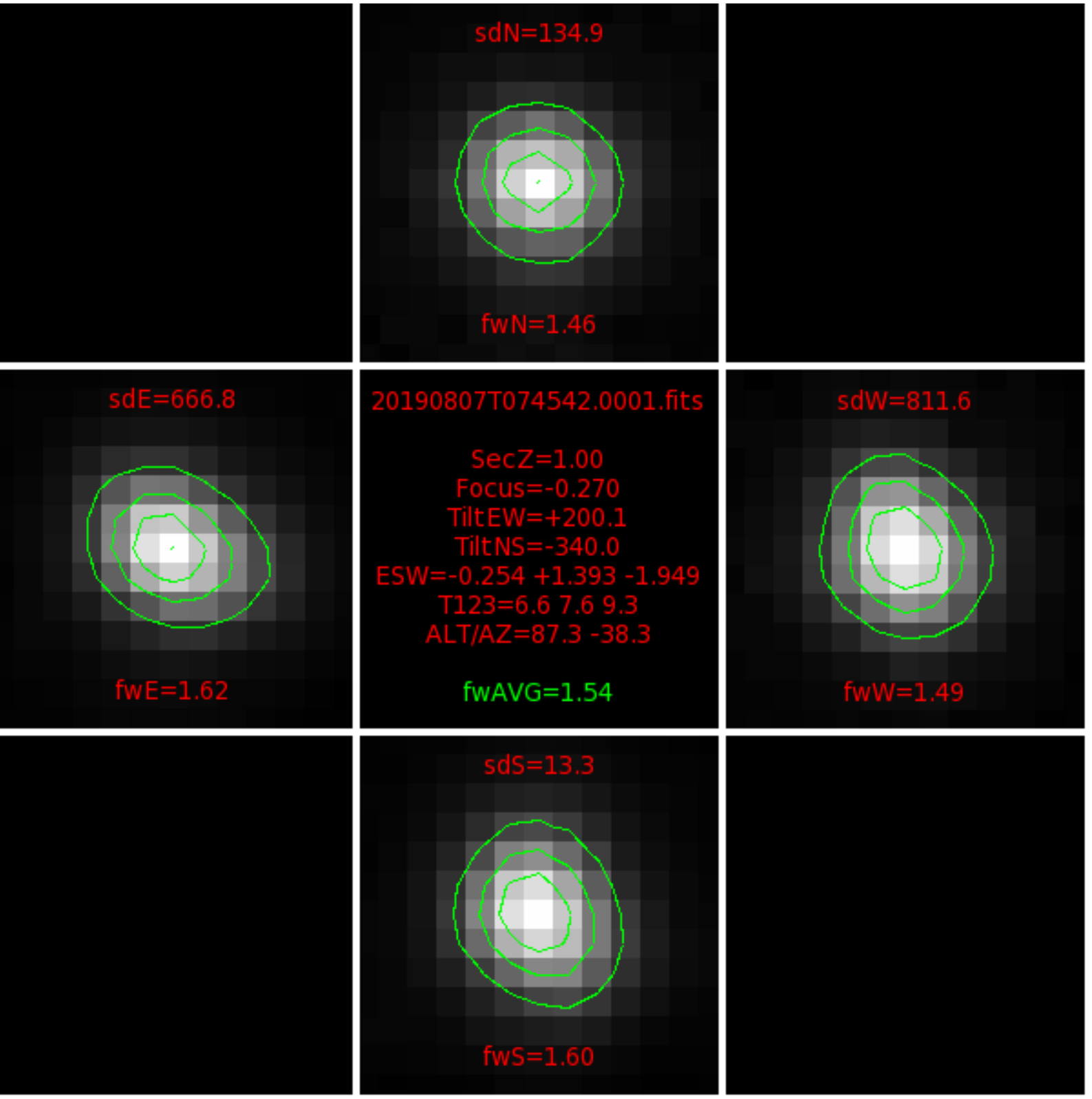

sdN=68.2
fwN=1.78
sdE=448.3
fwE=1.75
20190807T074347.0001.fits
SecZ=1.00
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.6 7.6 9.3
ALT/AZ=87.5 -30.9
fwAVG=1.82
sdW=613.2
fwW=1.91
sdS=8.0
fwS=1.84
0 0 0 0 0 0 0 0 0


sdN=111.9
fwN=1.72
sdE=599.2
fwE=1.75
20190807T074421.0001.fits
SecZ=1.00
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.6 7.6 9.3
ALT/AZ=87.5 -33.3
fwAVG=1.76
sdW=836.9
fwW=1.76
sdS=10.6
fwS=1.81
0 0 0 0 0 0 0 0 0


sdN=134.9
fwN=1.46
sdE=666.8
fwE=1.62
20190807T074542.0001.fits
SecZ=1.00
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.6 7.6 9.3
ALT/AZ=87.3 -38.3
fwAVG=1.54
sdW=811.6
fwW=1.49
sdS=13.3
fwS=1.60
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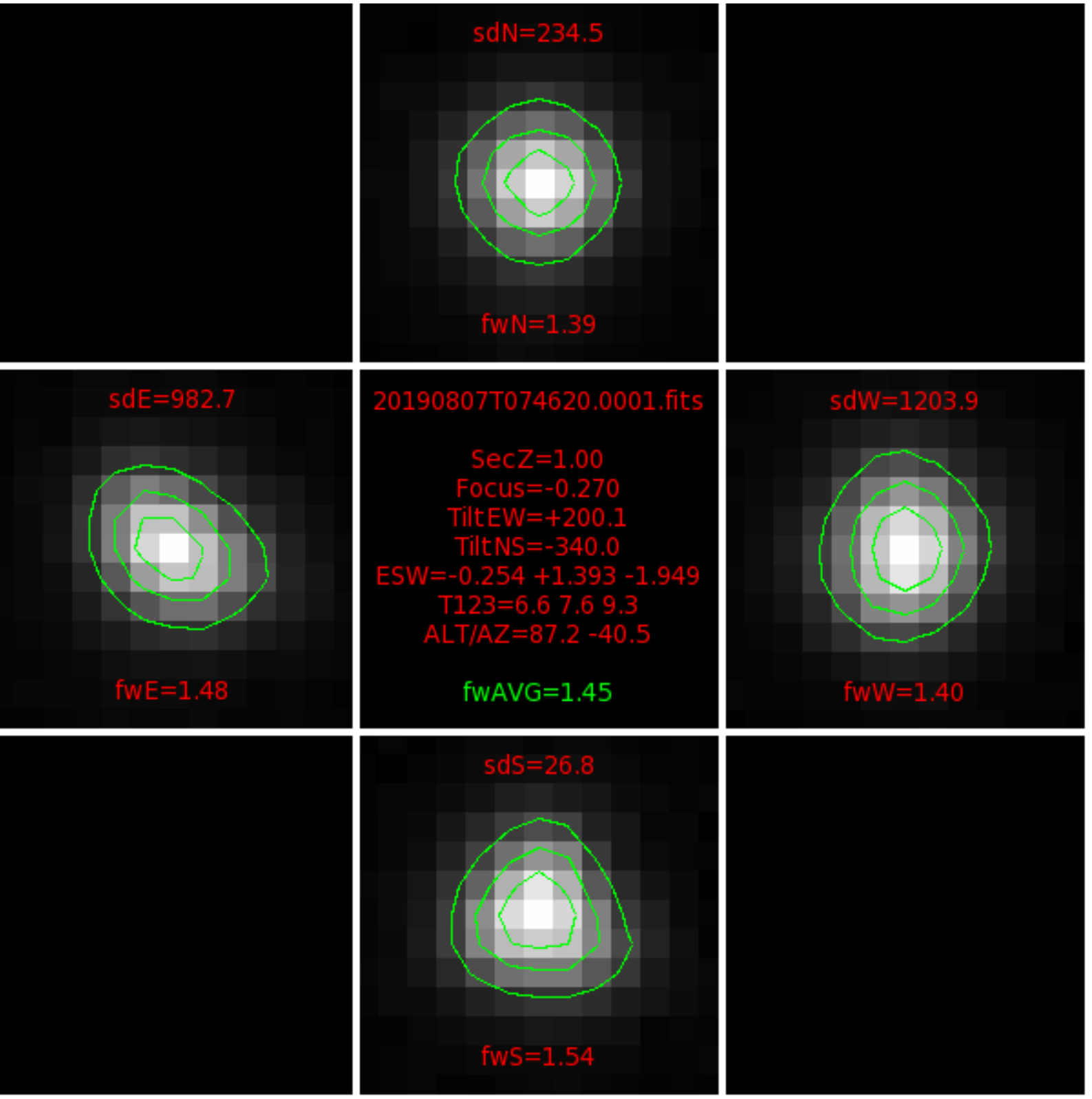
sdN=234.5
fwN=1.39
sdE=982.7
fwE=1.48
20190807T074620.0001.fits
SecZ=1.00
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.6 7.6 9.3
ALT/AZ=87.2 -40.5
fwAVG=1.45
sdW=1203.9
fwW=1.40
sdS=26.8
fwS=1.54
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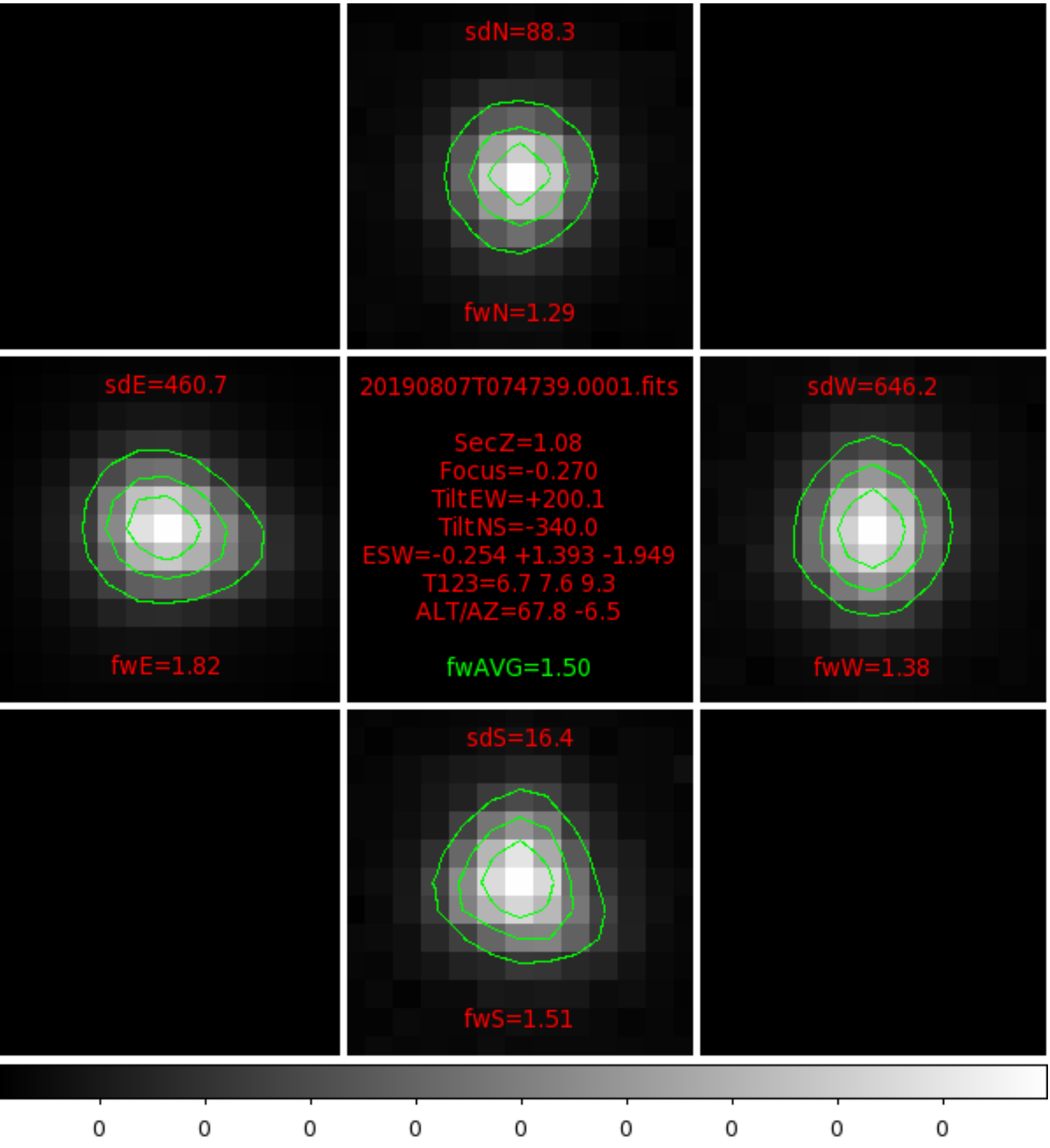
sdN=88.3
fwN=1.29
sdE=460.7
fwE=1.82
20190807T074739.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 7.6 9.3
ALT/AZ=67.8 -6.5
fwAVG=1.50
sdW=646.2
fwW=1.38
sdS=16.4
fwS=1.51
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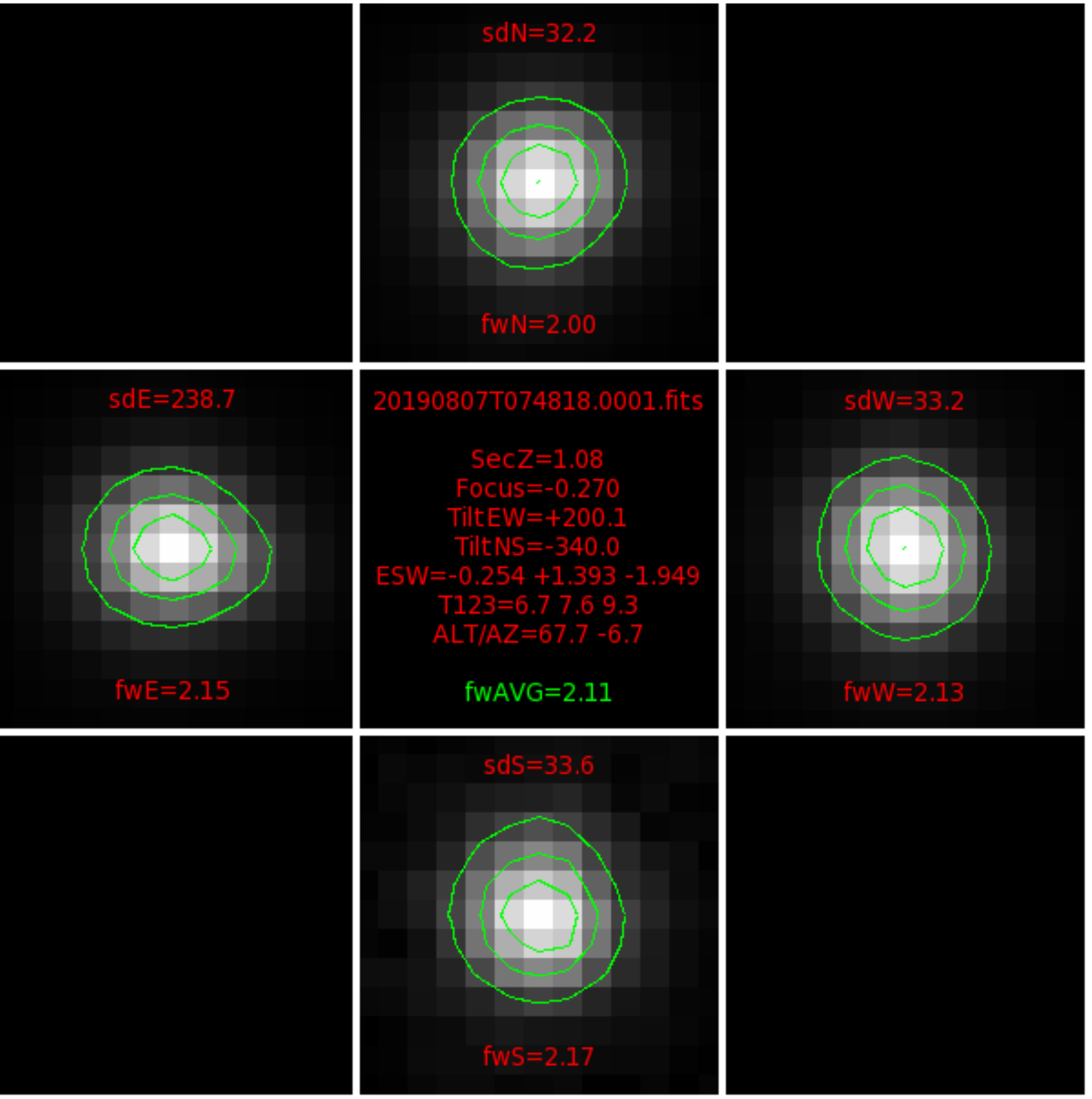
sdN=32.2
fwN=2.00
sdE=238.7
fwE=2.15
20190807T074818.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 7.6 9.3
ALT/AZ=67.7 -6.7
fwAVG=2.11
sdW=33.2
fwW=2.13
sdS=33.6
fwS=2.17
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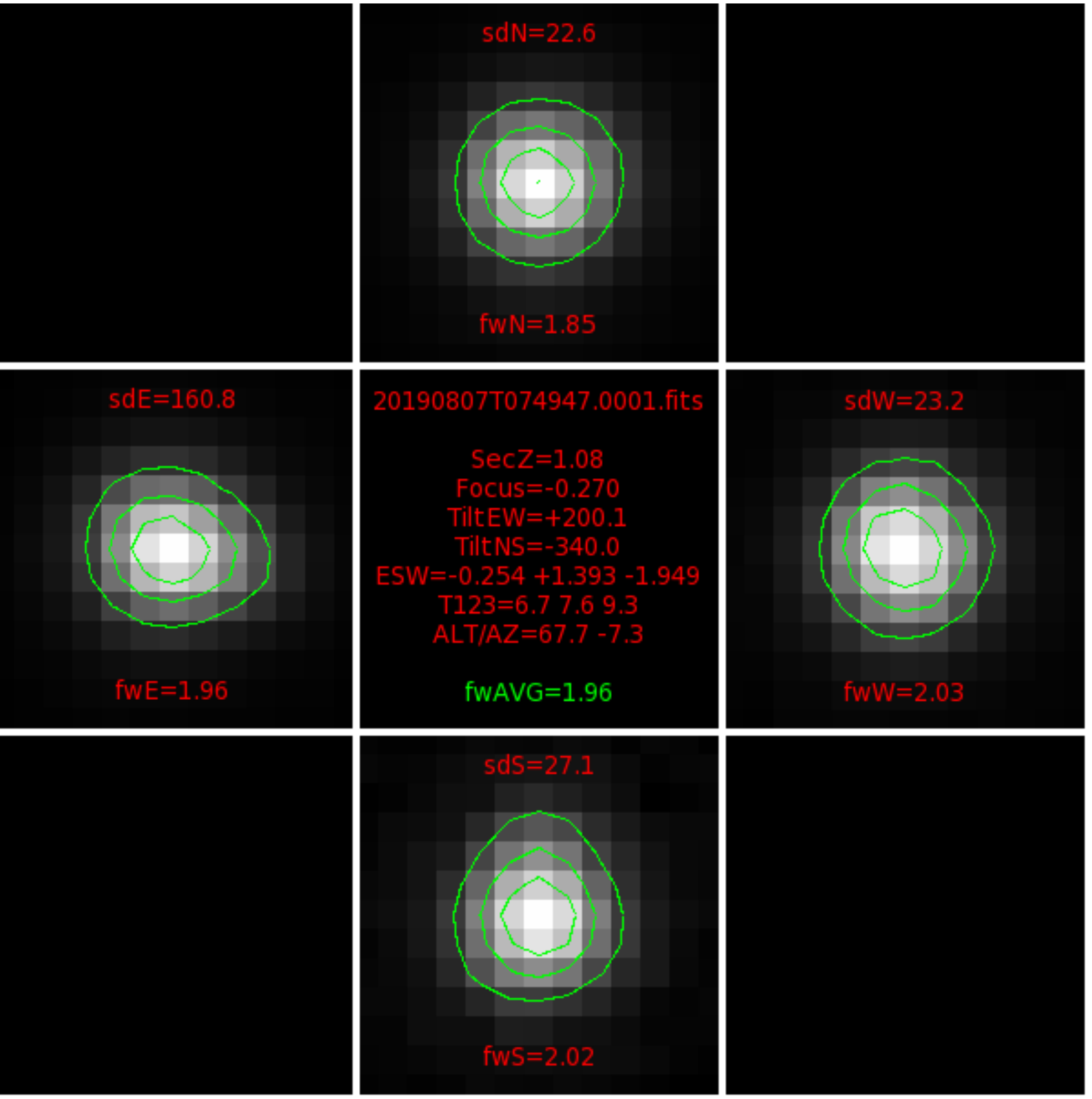
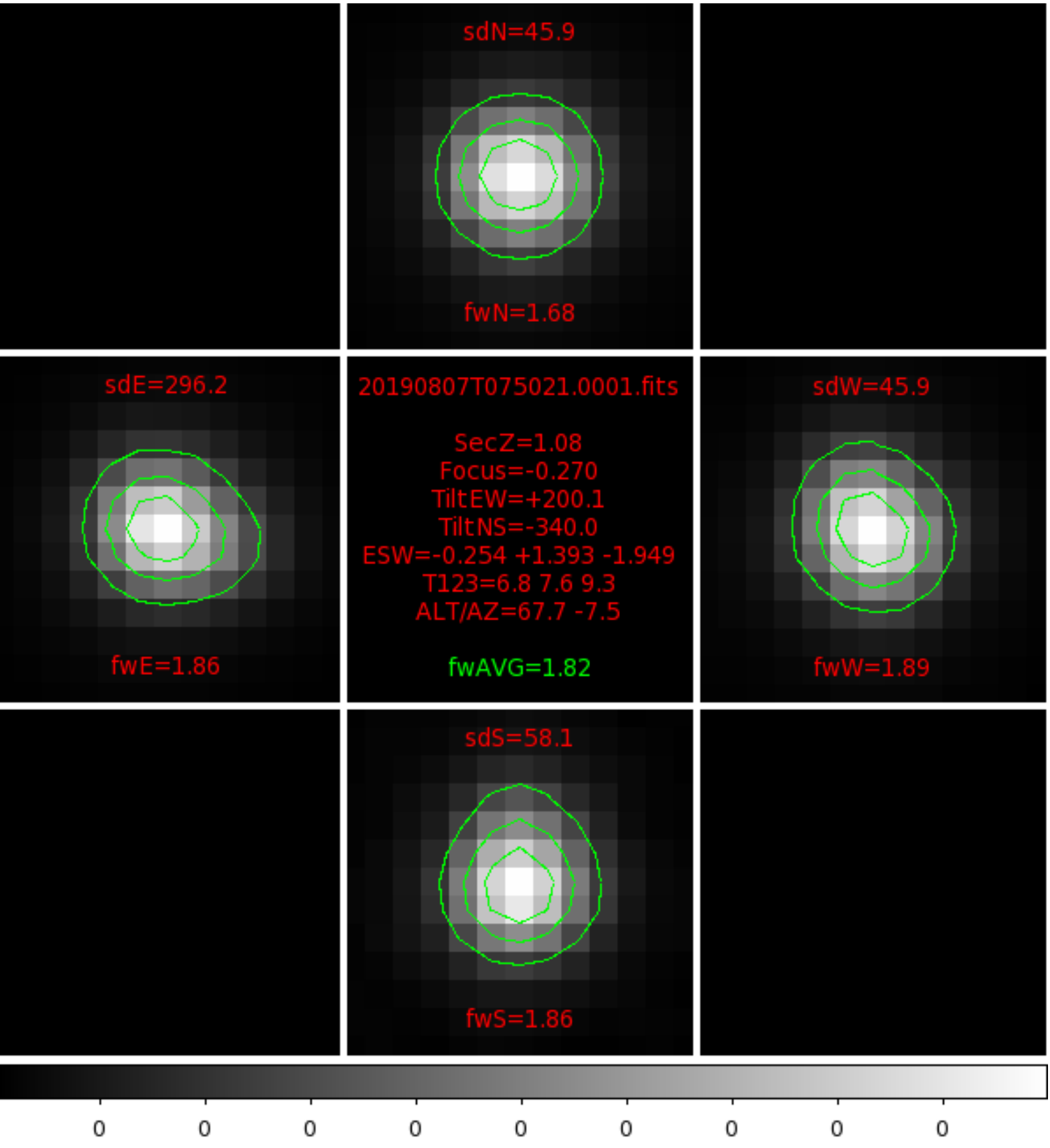
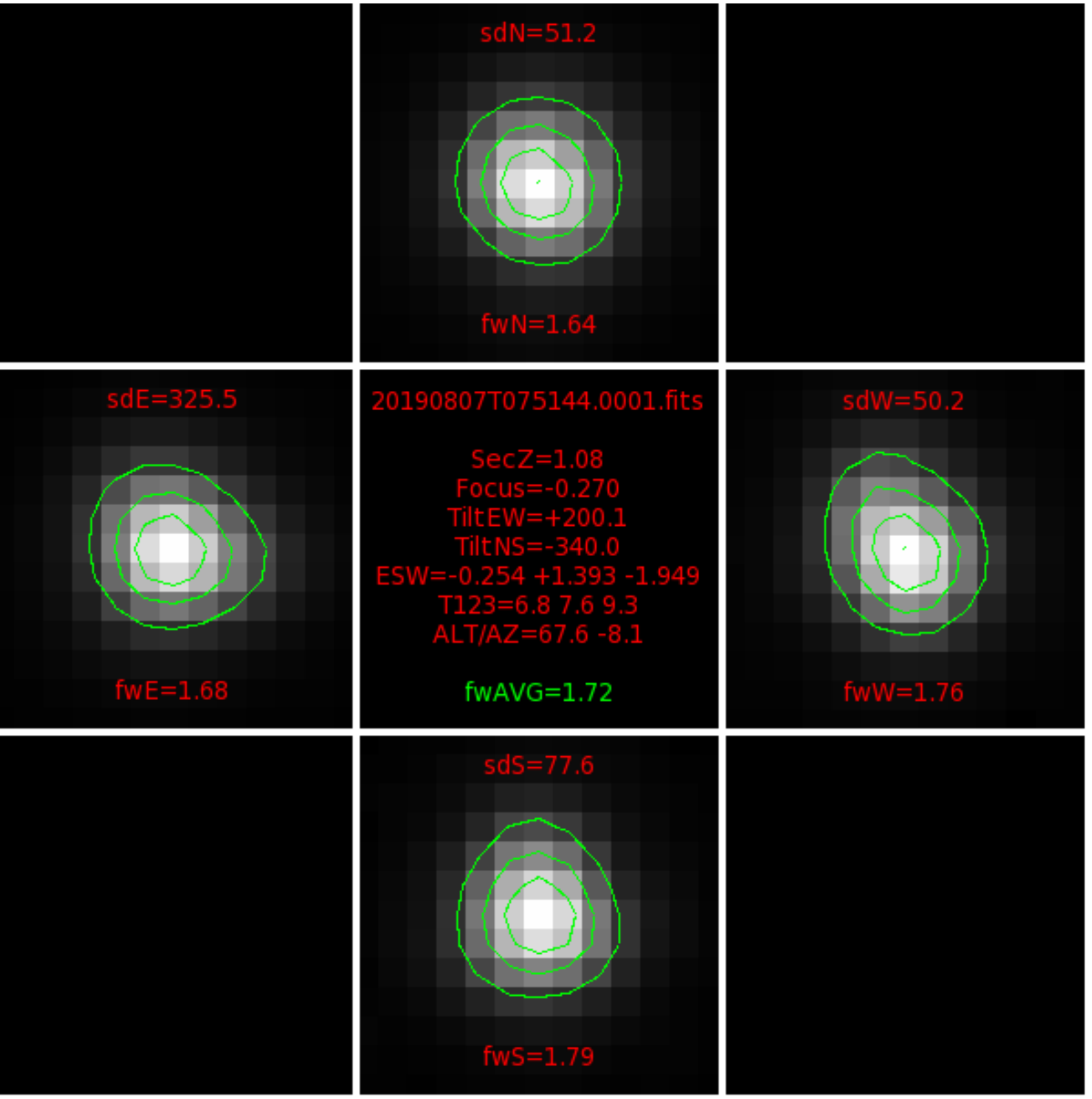
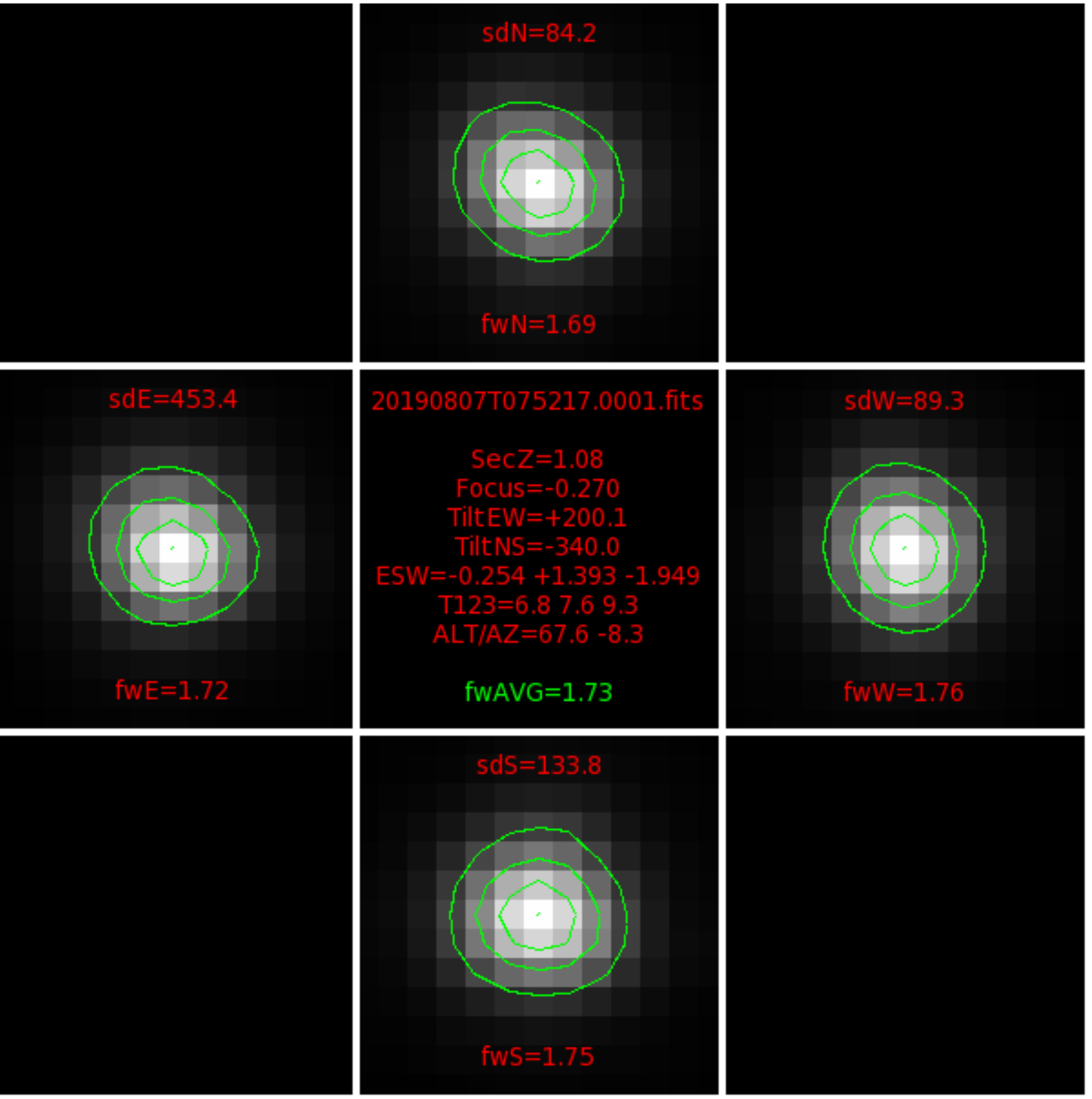
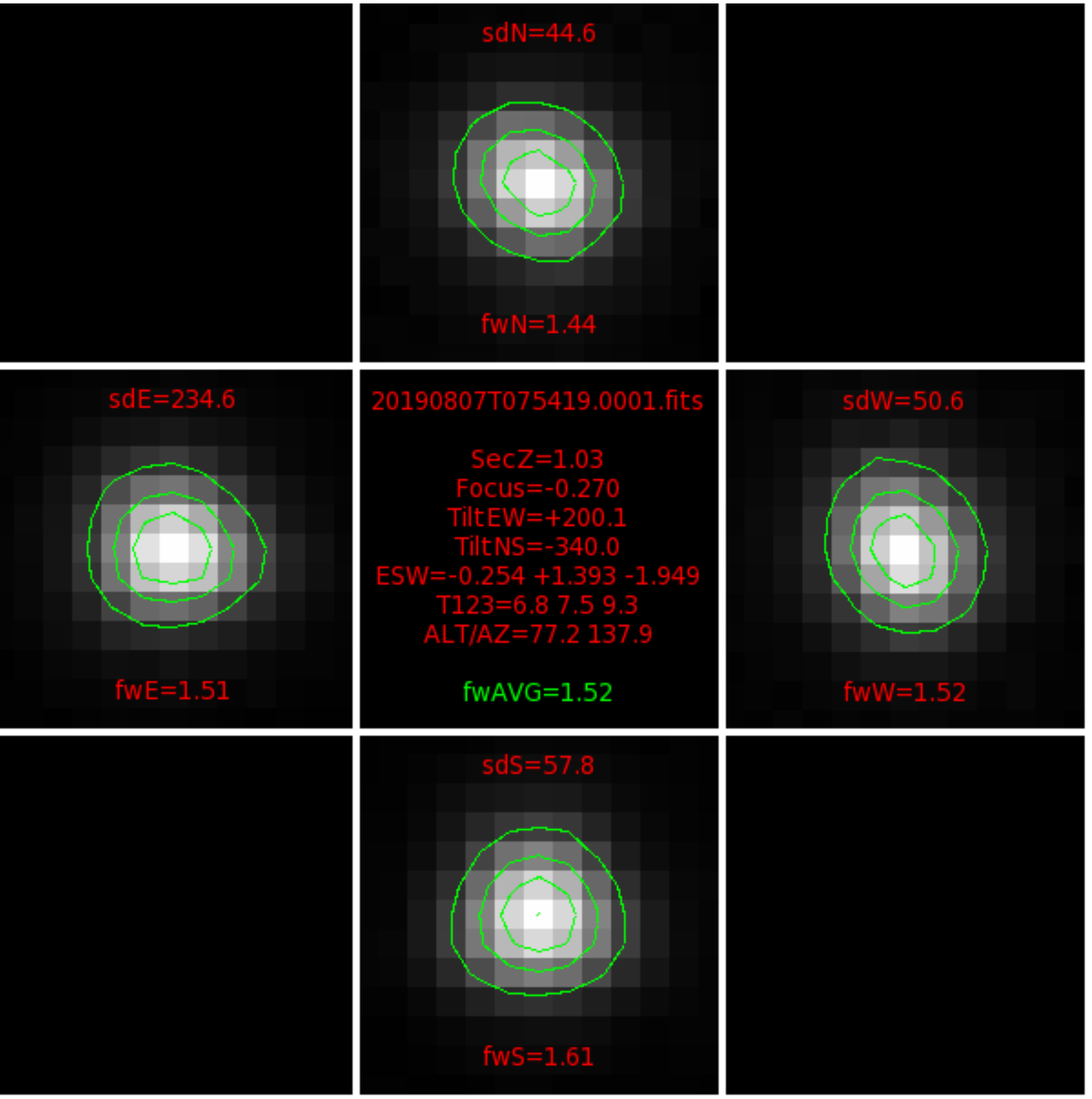
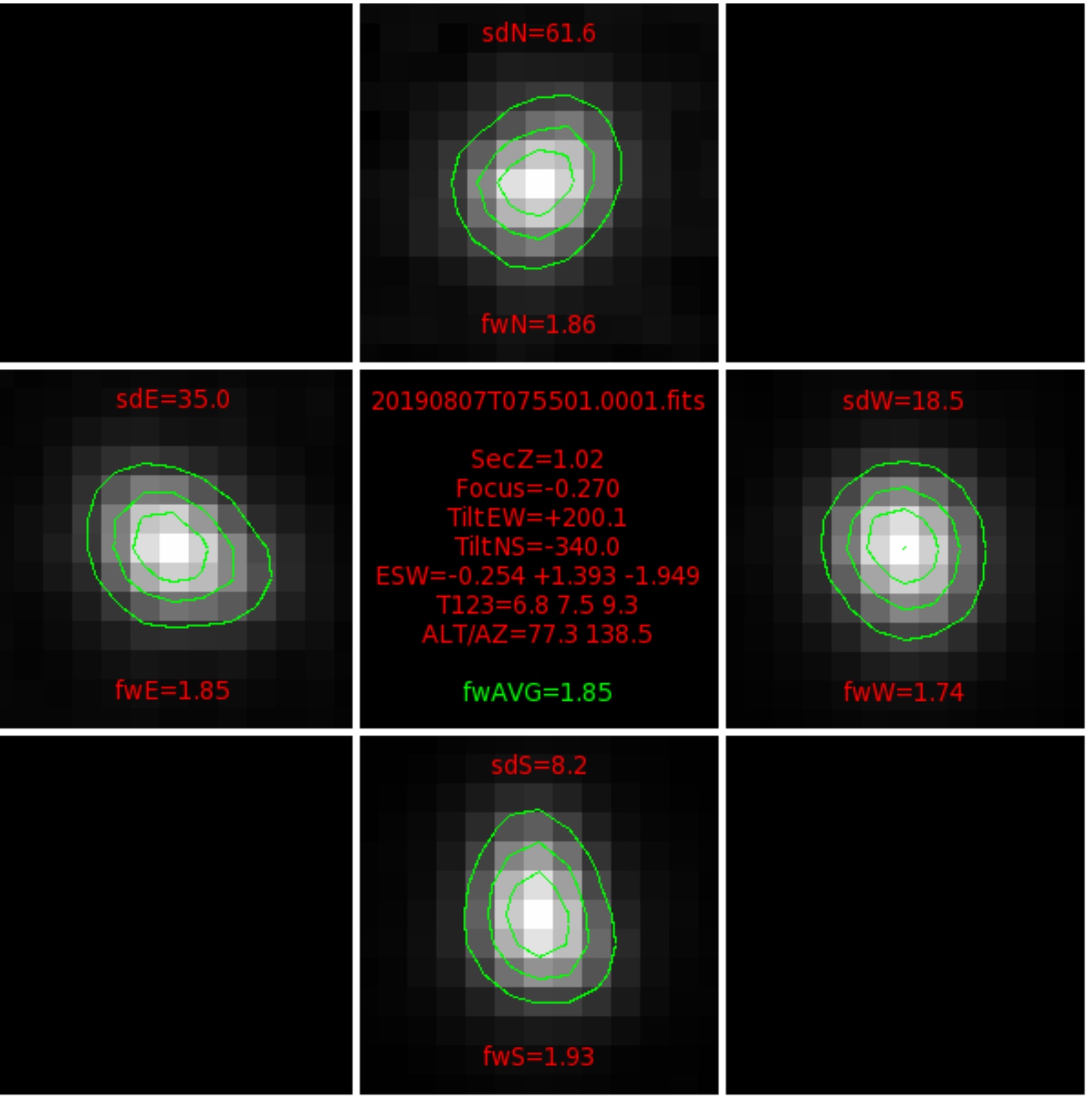

sdN=22.6
fwN=1.85
sdE=160.8
fwE=1.96
20190807T074947.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 7.6 9.3
ALT/AZ=67.7 -7.3
fwAVG=1.96
sdW=23.2
fwW=2.03
sdS=27.1
fwS=2.02
0 0 0 0 0 0 0 0 0


sdN=45.9
fwN=1.68
sdE=296.2
fwE=1.86
20190807T075021.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 7.6 9.3
ALT/AZ=67.7 -7.5
fwAVG=1.82
sdW=45.9
fwW=1.89
sdS=58.1
fwS=1.86
0 0 0 0 0 0 0 0 0


sdN=51.2
fwN=1.64
sdE=325.5
fwE=1.68
20190807T075144.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 7.6 9.3
ALT/AZ=67.6 -8.1
fwAVG=1.72
sdW=50.2
fwW=1.76
sdS=77.6
fwS=1.79
0 0 0 0 0 0 0 0 0


sdN=84.2
fwN=1.69
sdE=453.4
fwE=1.72
20190807T075217.0001.fits
SecZ=1.08
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 7.6 9.3
ALT/AZ=67.6 -8.3
fwAVG=1.73
sdW=89.3
fwW=1.76
sdS=133.8
fwS=1.75
0 0 0 0 0 0 0 0 0


sdN=44.6
fwN=1.44
sdE=234.6
fwE=1.51
20190807T075419.0001.fits
SecZ=1.03
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 7.5 9.3
ALT/AZ=77.2 137.9
fwAVG=1.52
sdW=50.6
fwW=1.52
sdS=57.8
fwS=1.61
0 0 0 0 0 0 0 0 0


sdN=61.6
fwN=1.86
sdE=35.0
fwE=1.85
20190807T075501.0001.fits
SecZ=1.02
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 7.5 9.3
ALT/AZ=77.3 138.5
fwAVG=1.85
sdW=18.5
fwW=1.74
sdS=8.2
fwS=1.93
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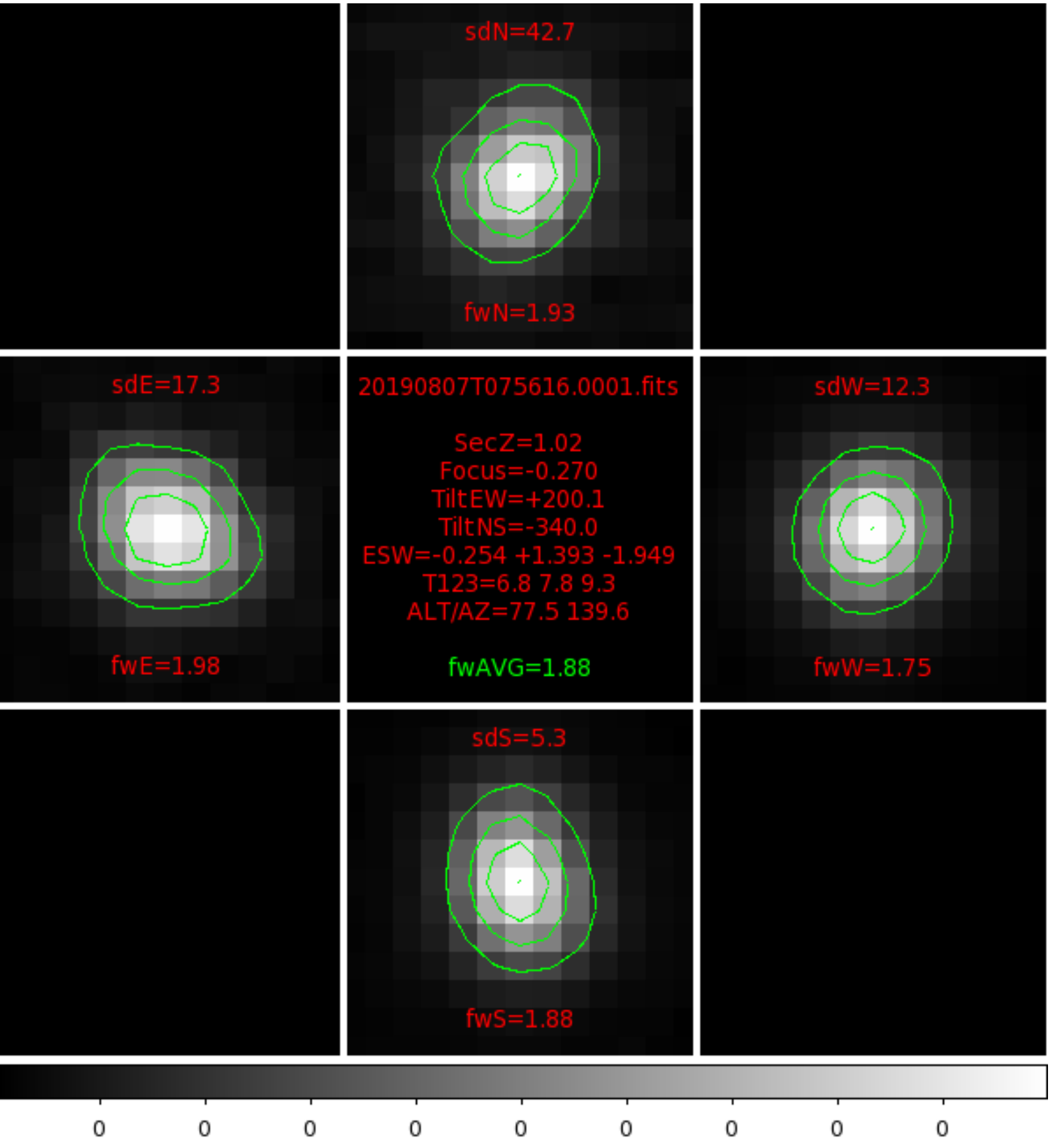
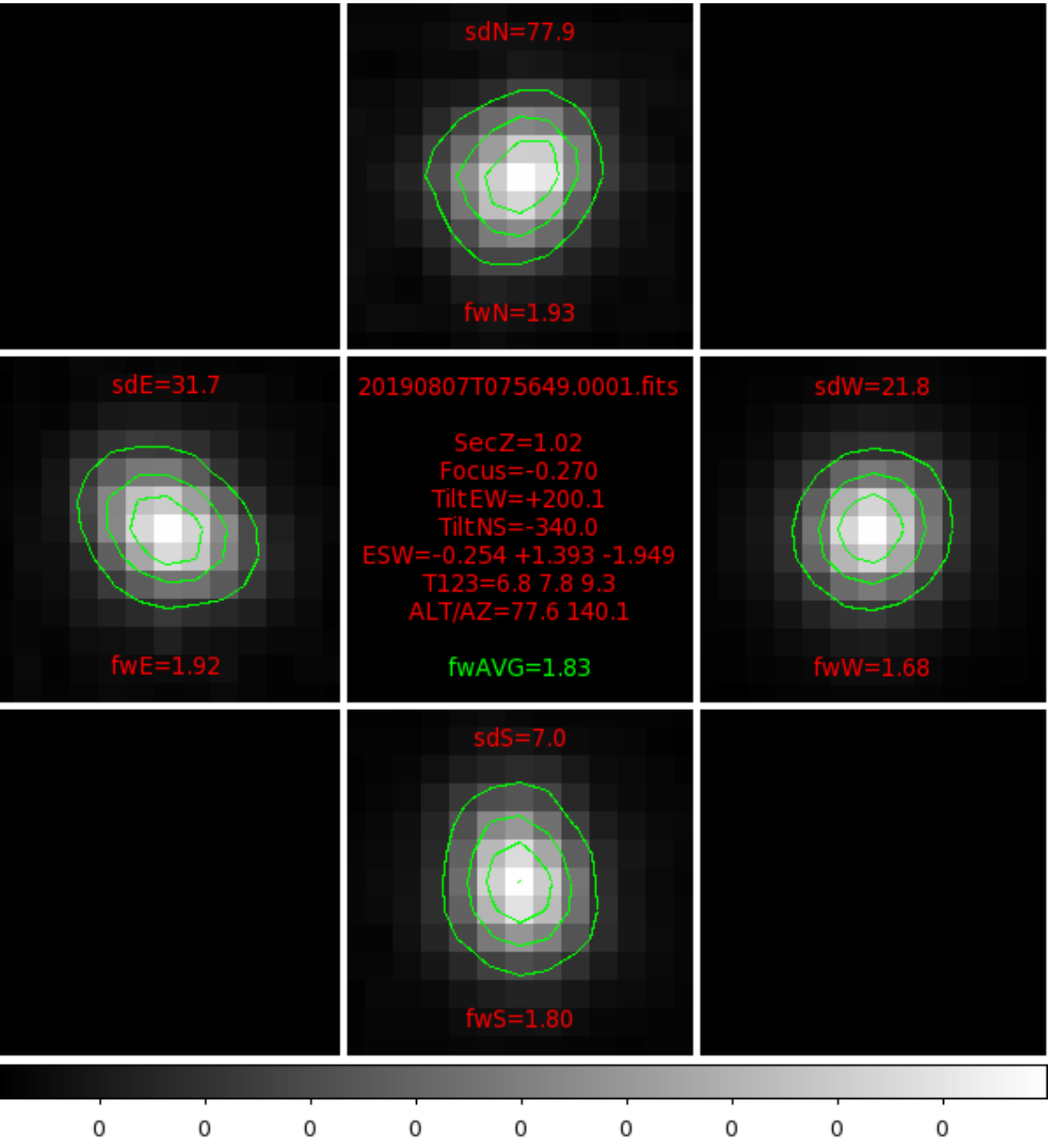
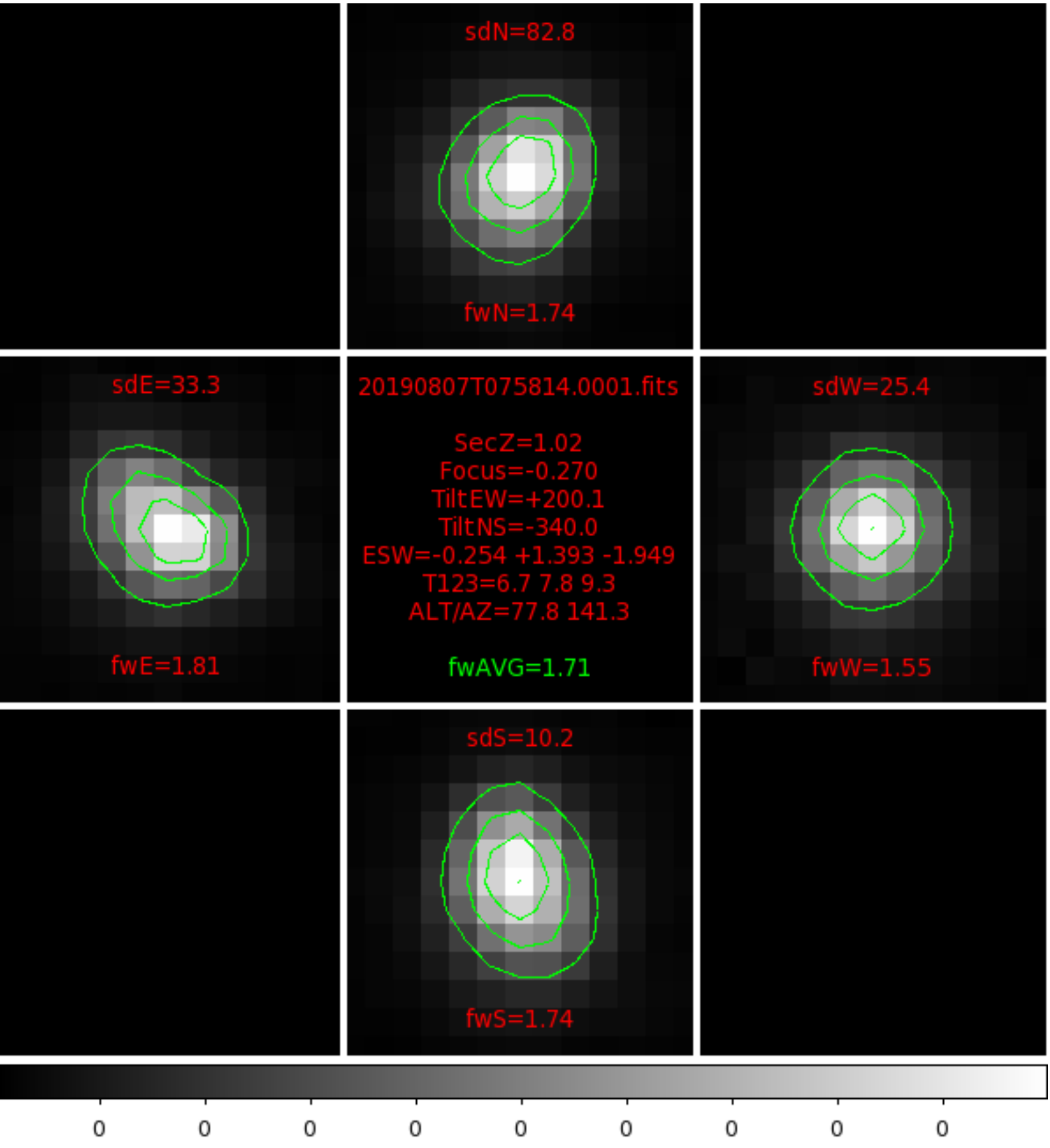
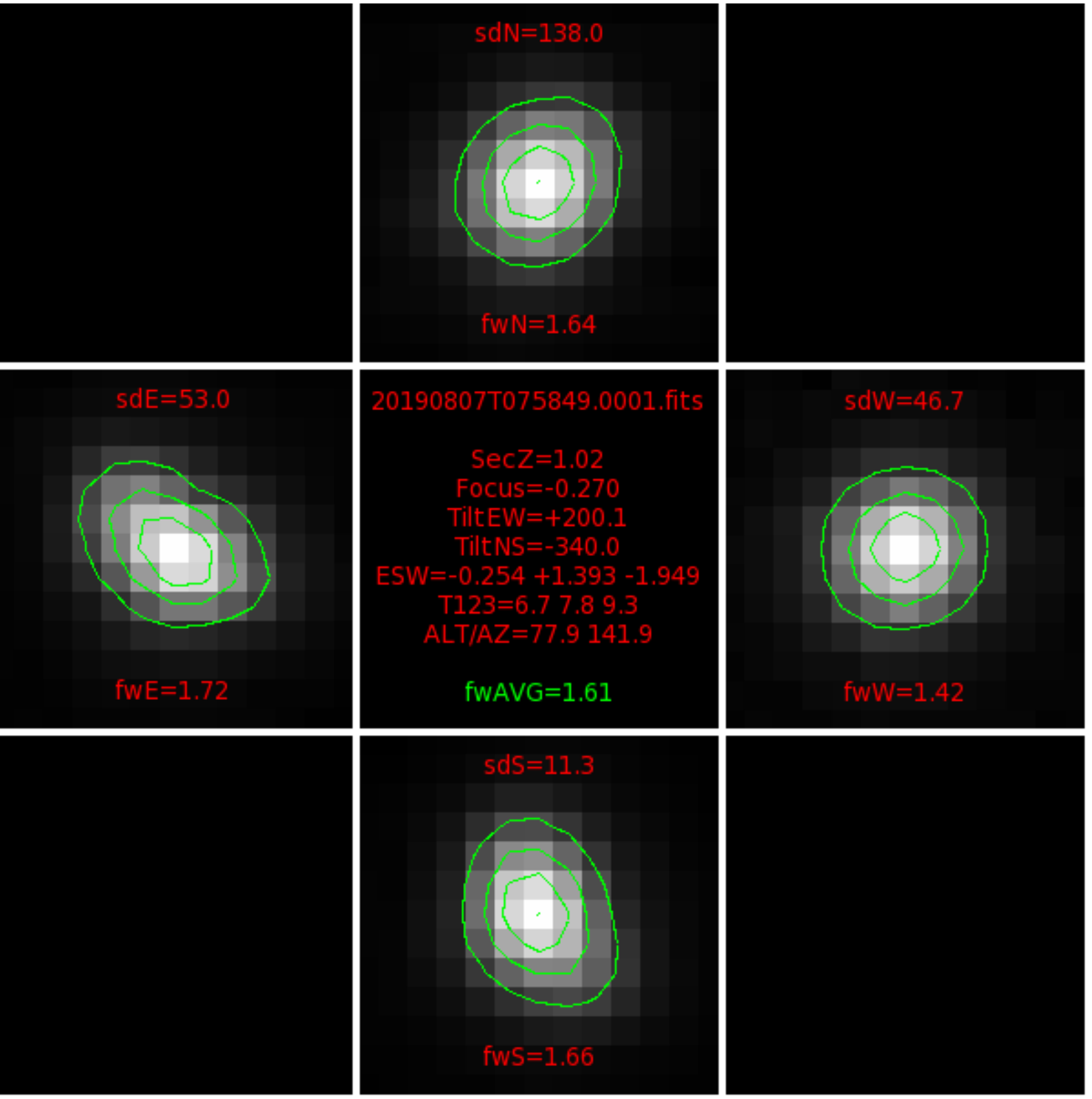
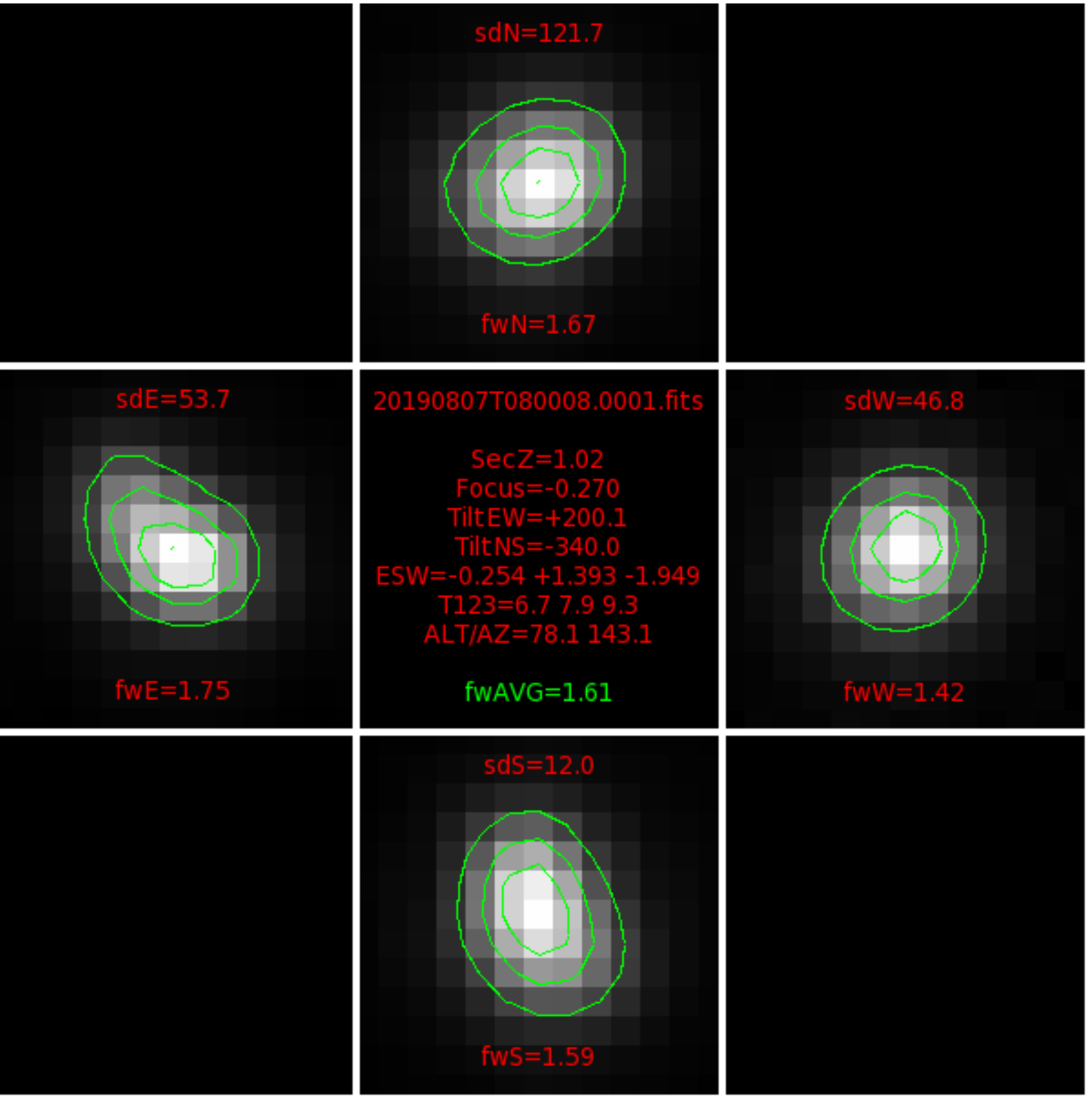

sdN=42.7
fwN=1.93
sdE=17.3
fwE=1.98
20190807T075616.0001.fits
SecZ=1.02
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 7.8 9.3
ALT/AZ=77.5 139.6
fwAVG=1.88
sdW=12.3
fwW=1.75
sdS=5.3
fwS=1.88
0 0 0 0 0 0 0 0 0


sdN=77.9
fwN=1.93
sdE=31.7
fwE=1.92
20190807T075649.0001.fits
SecZ=1.02
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 7.8 9.3
ALT/AZ=77.6 140.1
fwAVG=1.83
sdW=21.8
fwW=1.68
sdS=7.0
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=82.8
fwN=1.74
sdE=33.3
fwE=1.81
20190807T075814.0001.fits
SecZ=1.02
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 7.8 9.3
ALT/AZ=77.8 141.3
fwAVG=1.71
sdW=25.4
fwW=1.55
sdS=10.2
fwS=1.74
0 0 0 0 0 0 0 0 0


sdN=138.0
fwN=1.64
sdE=53.0
fwE=1.72
20190807T075849.0001.fits
SecZ=1.02
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 7.8 9.3
ALT/AZ=77.9 141.9
fwAVG=1.61
sdW=46.7
fwW=1.42
sdS=11.3
fwS=1.66
0 0 0 0 0 0 0 0 0


sdN=121.7
fwN=1.67
sdE=53.7
fwE=1.75
20190807T080008.0001.fits
SecZ=1.02
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 7.9 9.3
ALT/AZ=78.1 143.1
fwAVG=1.61
sdW=46.8
fwW=1.42
sdS=12.0
fwS=1.59
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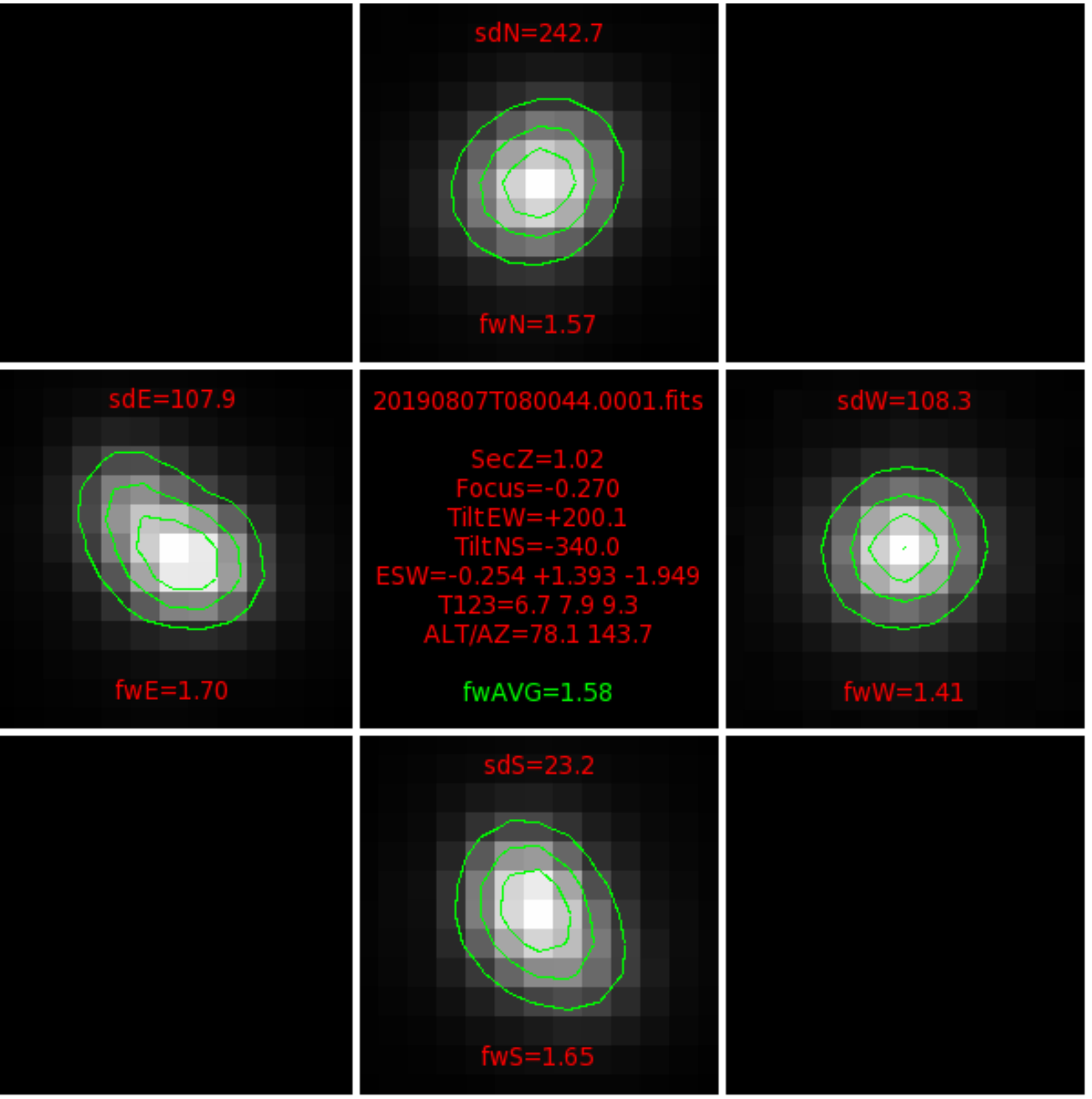
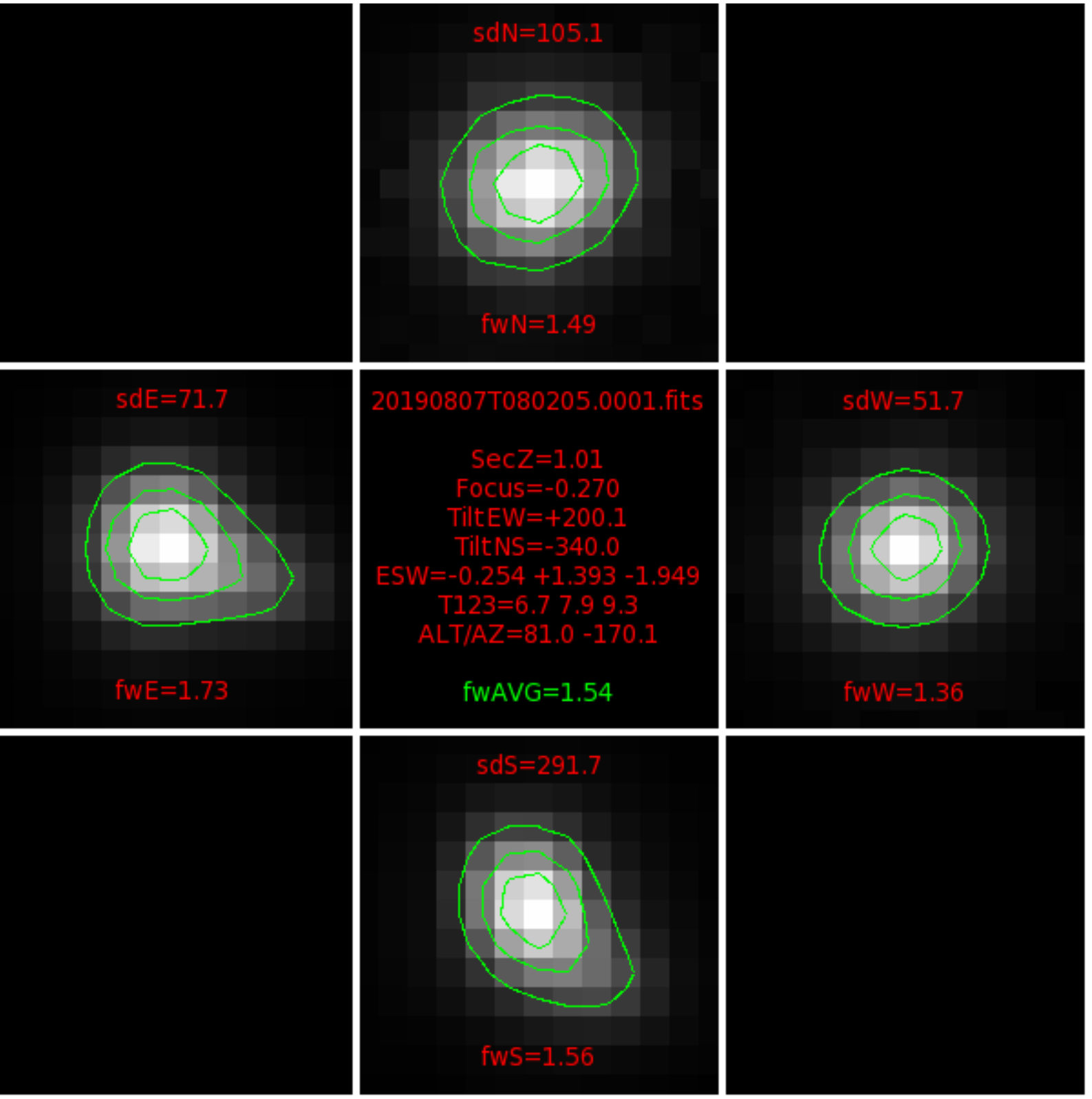
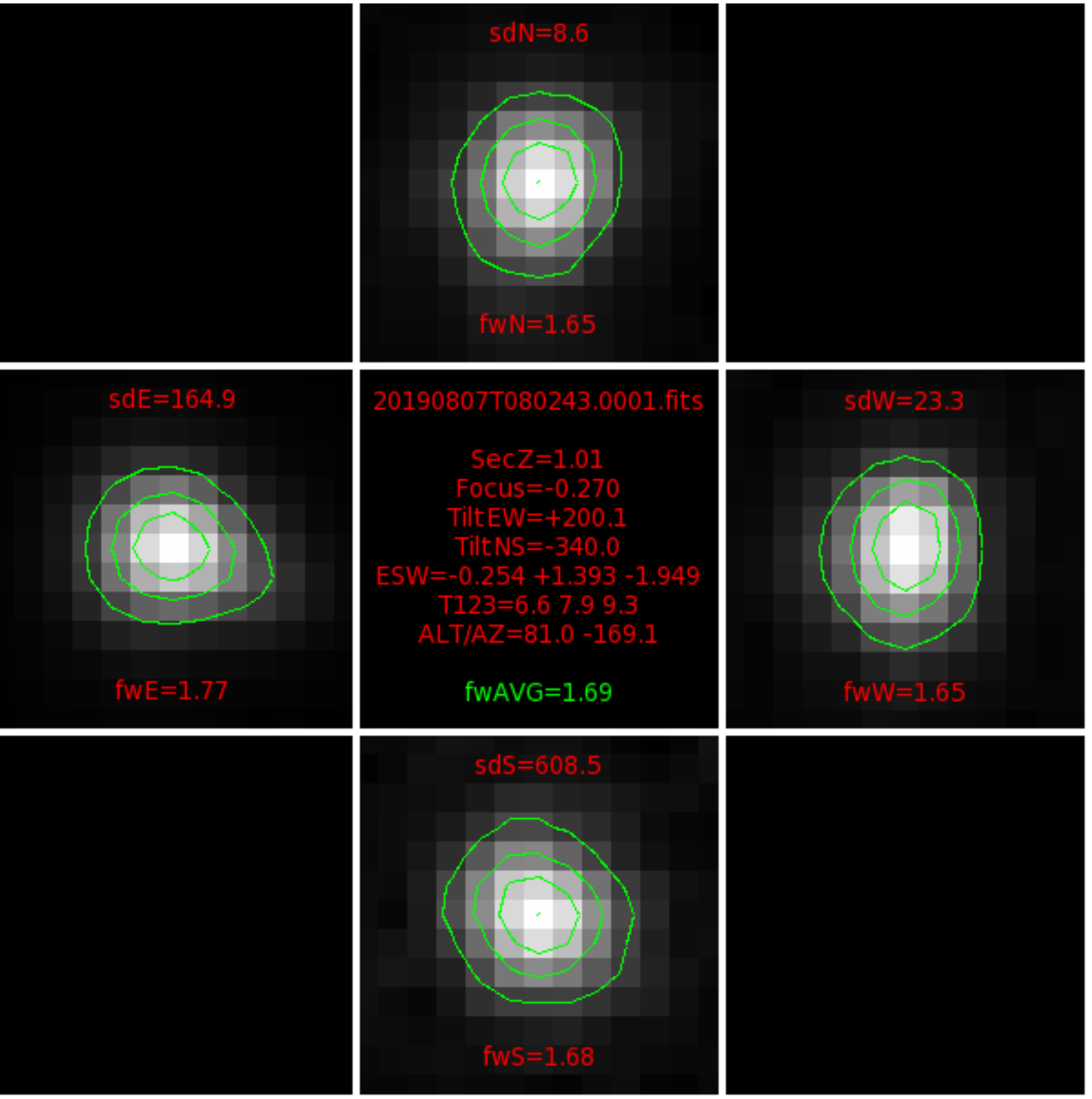
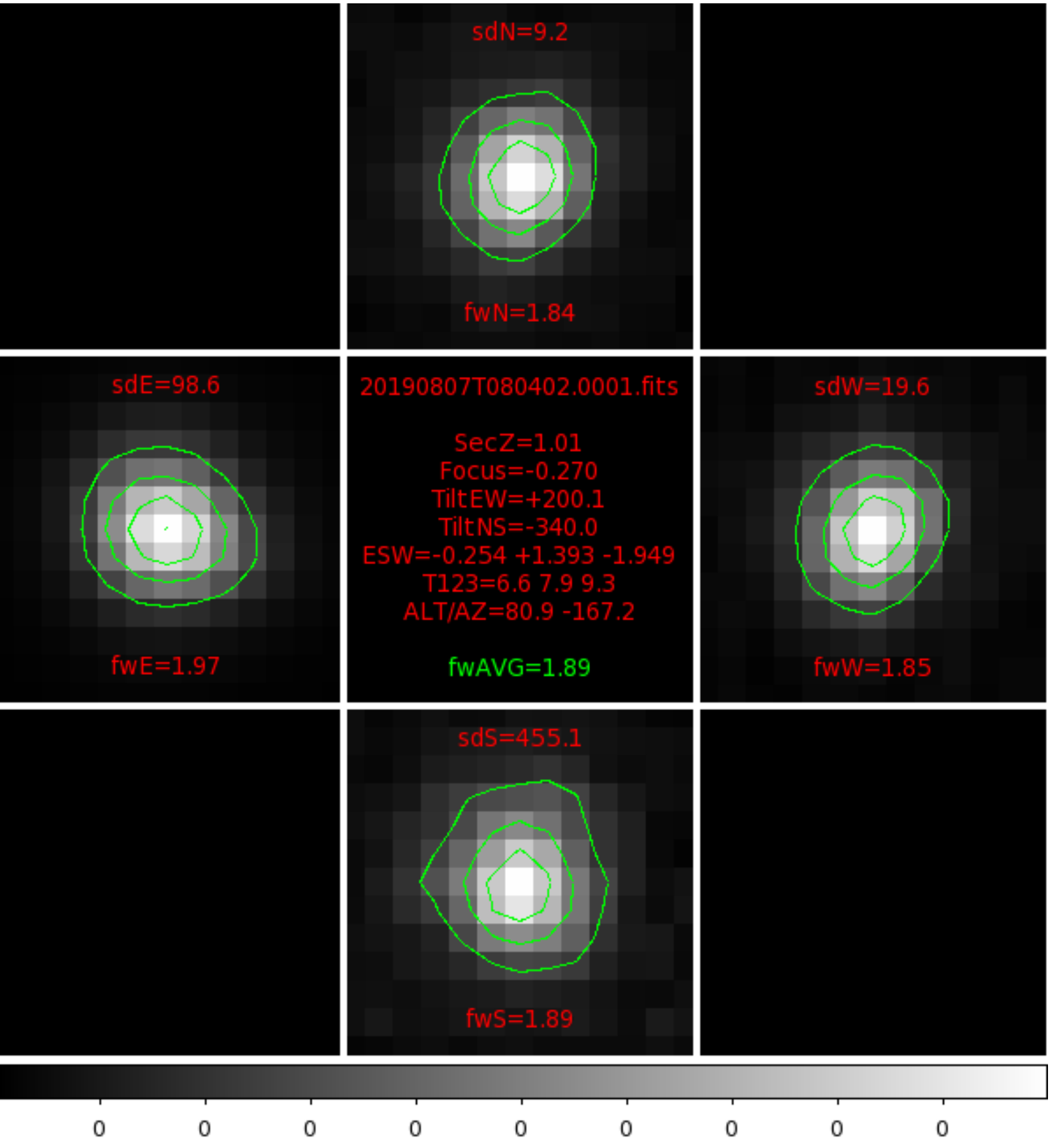
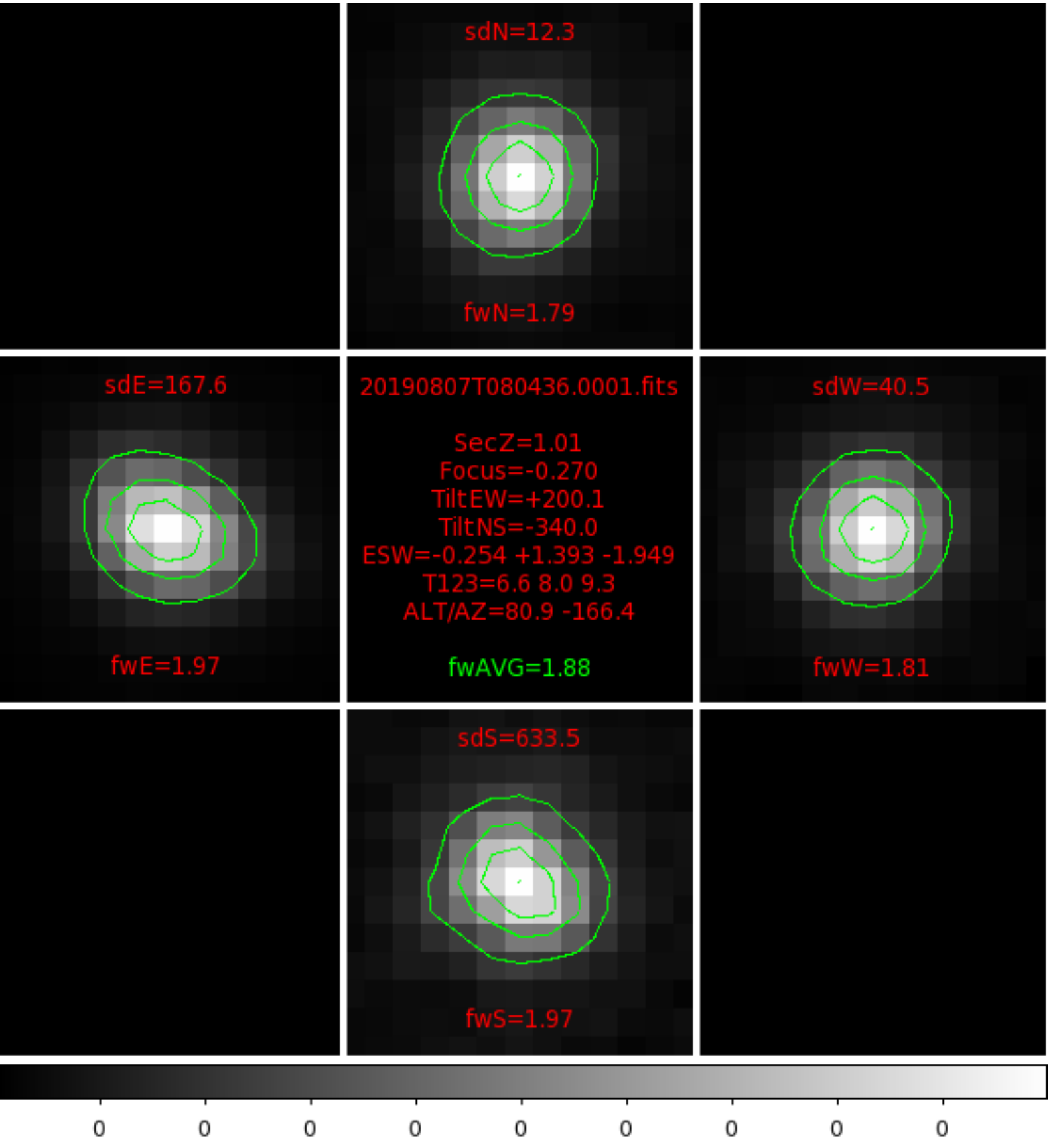
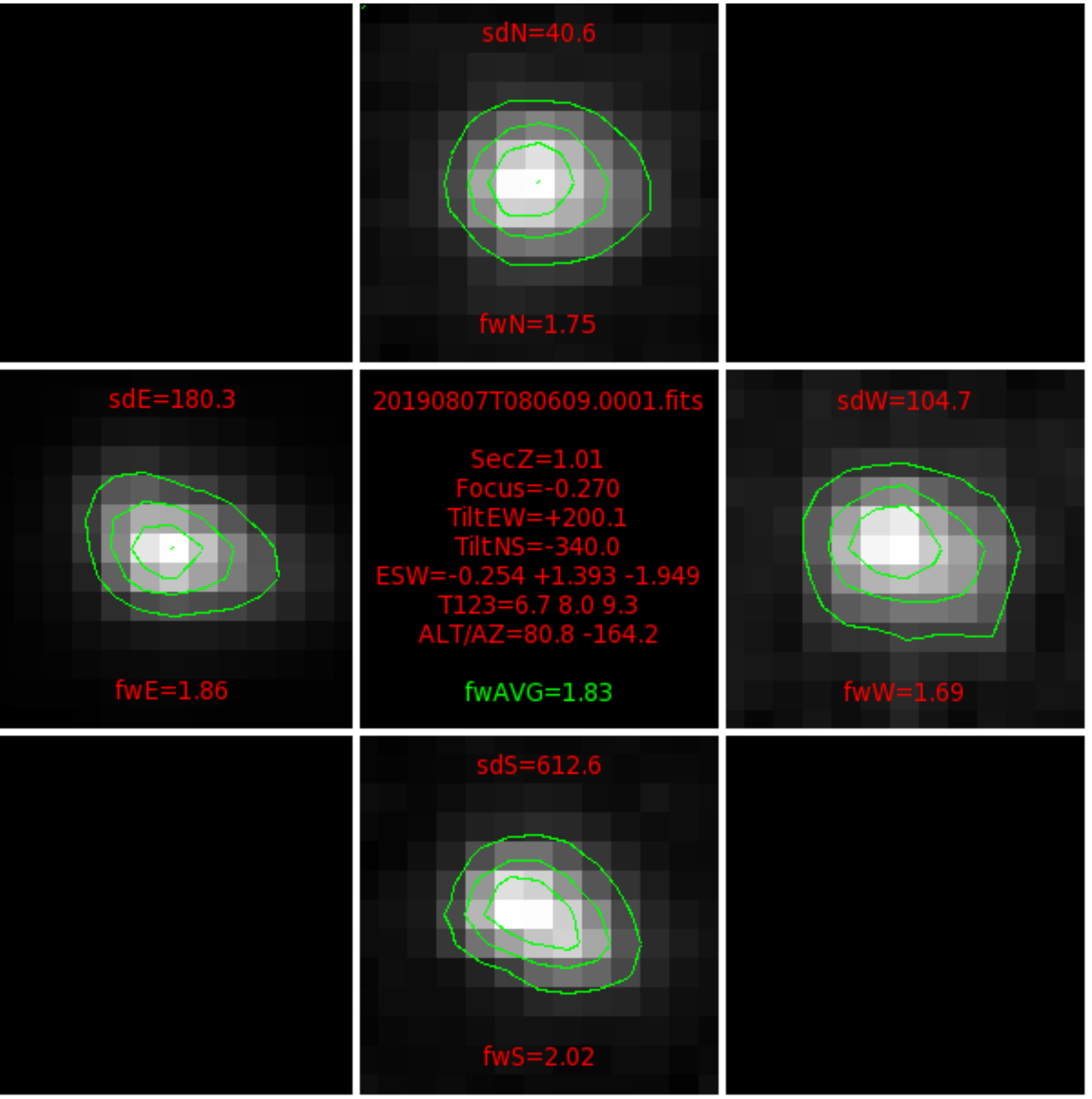

sdN=242.7
fwN=1.57
sdE=107.9
fwE=1.70
20190807T080044.0001.fits
SecZ=1.02
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 7.9 9.3
ALT/AZ=78.1 143.7
fwAVG=1.58
sdW=108.3
fwW=1.41
sdS=23.2
fwS=1.65
0 0 0 0 0 0 0 0 0


sdN=105.1
fwN=1.49
sdE=71.7
fwE=1.73
20190807T080205.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 7.9 9.3
ALT/AZ=81.0 -170.1
fwAVG=1.54
sdW=51.7
fwW=1.36
sdS=291.7
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=8.6
fwN=1.65
sdE=164.9
fwE=1.77
20190807T080243.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.6 7.9 9.3
ALT/AZ=81.0 -169.1
fwAVG=1.69
sdW=23.3
fwW=1.65
sdS=608.5
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=9.2
fwN=1.84
sdE=98.6
fwE=1.97
20190807T080402.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.6 7.9 9.3
ALT/AZ=80.9 -167.2
fwAVG=1.89
sdW=19.6
fwW=1.85
sdS=455.1
fwS=1.89
0 0 0 0 0 0 0 0 0


sdN=12.3
fwN=1.79
sdE=167.6
fwE=1.97
20190807T080436.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.6 8.0 9.3
ALT/AZ=80.9 -166.4
fwAVG=1.88
sdW=40.5
fwW=1.81
sdS=633.5
fwS=1.97
0 0 0 0 0 0 0 0 0


sdN=40.6
fwN=1.75
sdE=180.3
fwE=1.86
20190807T080609.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 8.0 9.3
ALT/AZ=80.8 -164.2
fwAVG=1.83
sdW=104.7
fwW=1.69
sdS=612.6
fwS=2.02
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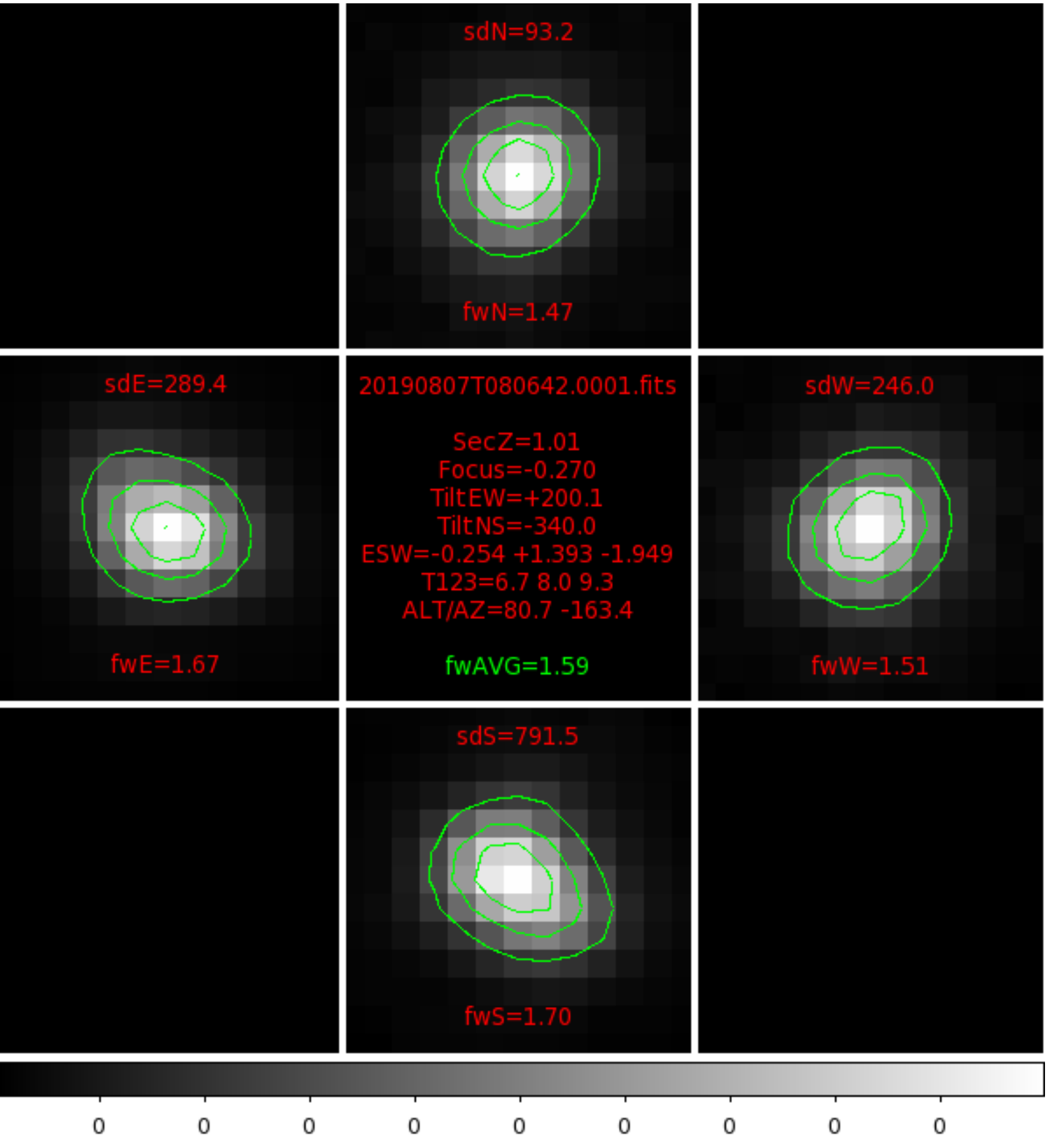
sdN=93.2
fwN=1.47
sdE=289.4
fwE=1.67
20190807T080642.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 8.0 9.3
ALT/AZ=80.7 -163.4
fwAVG=1.59
sdW=246.0
fwW=1.51
sdS=791.5
fwS=1.70
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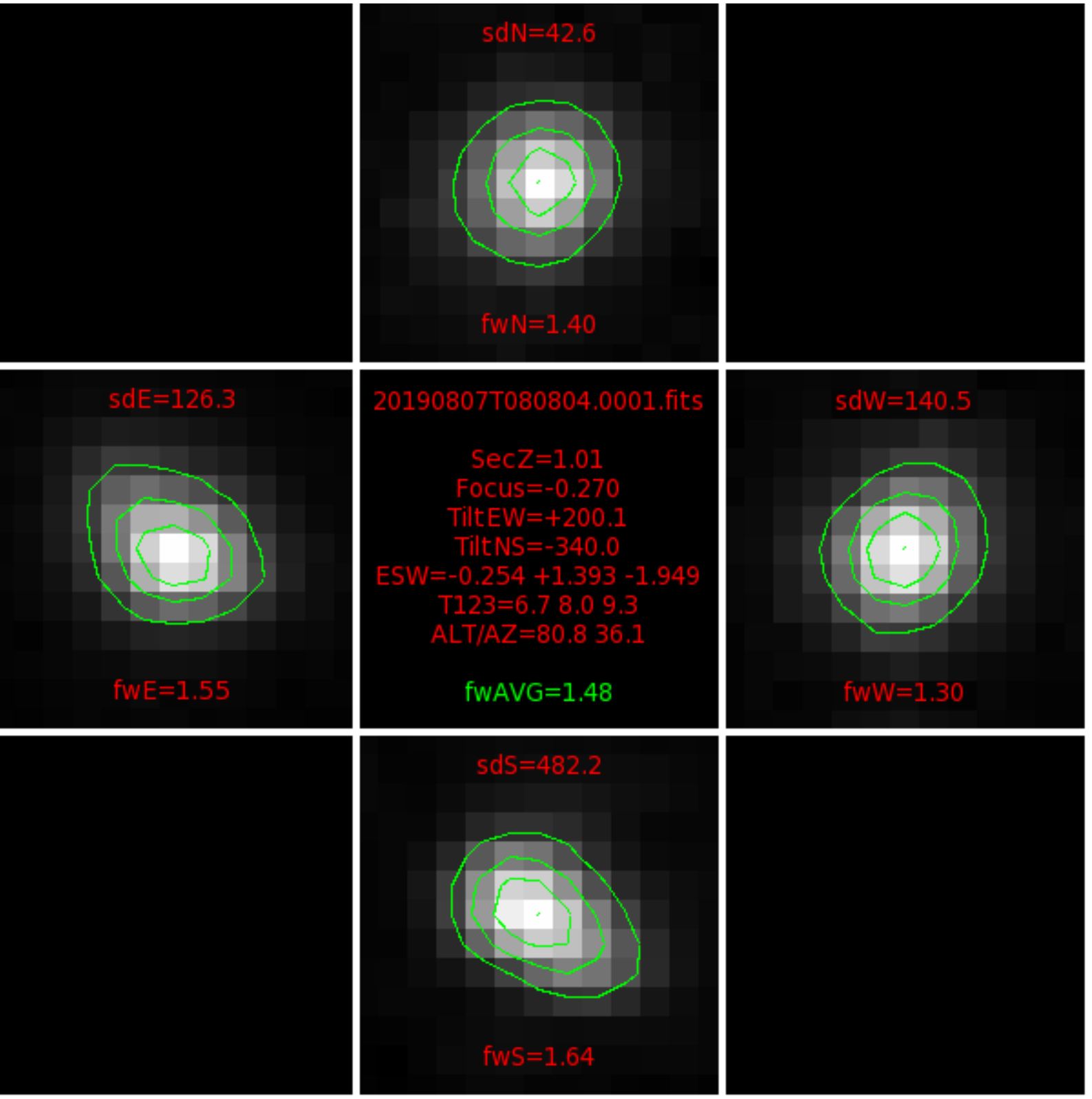
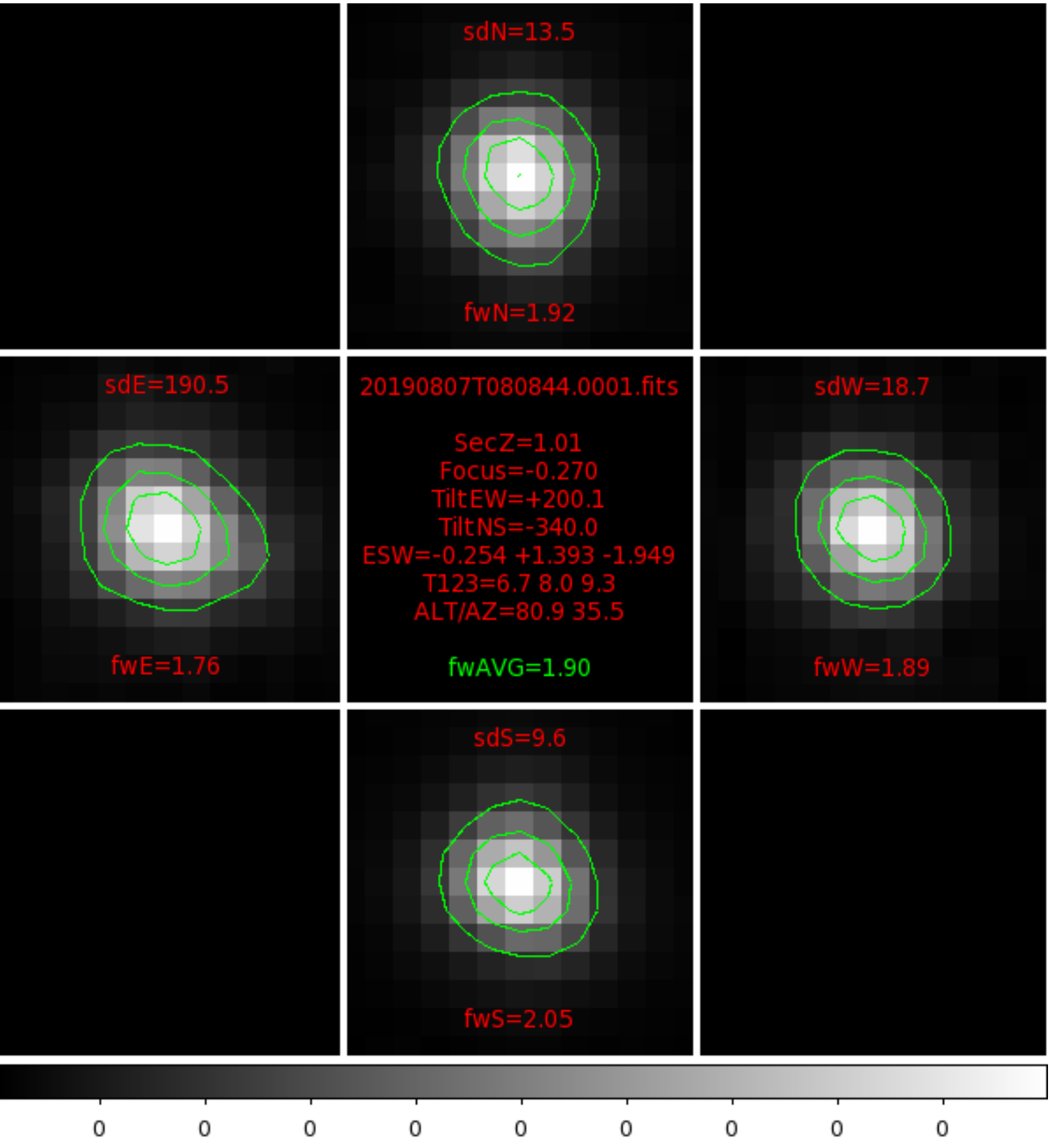
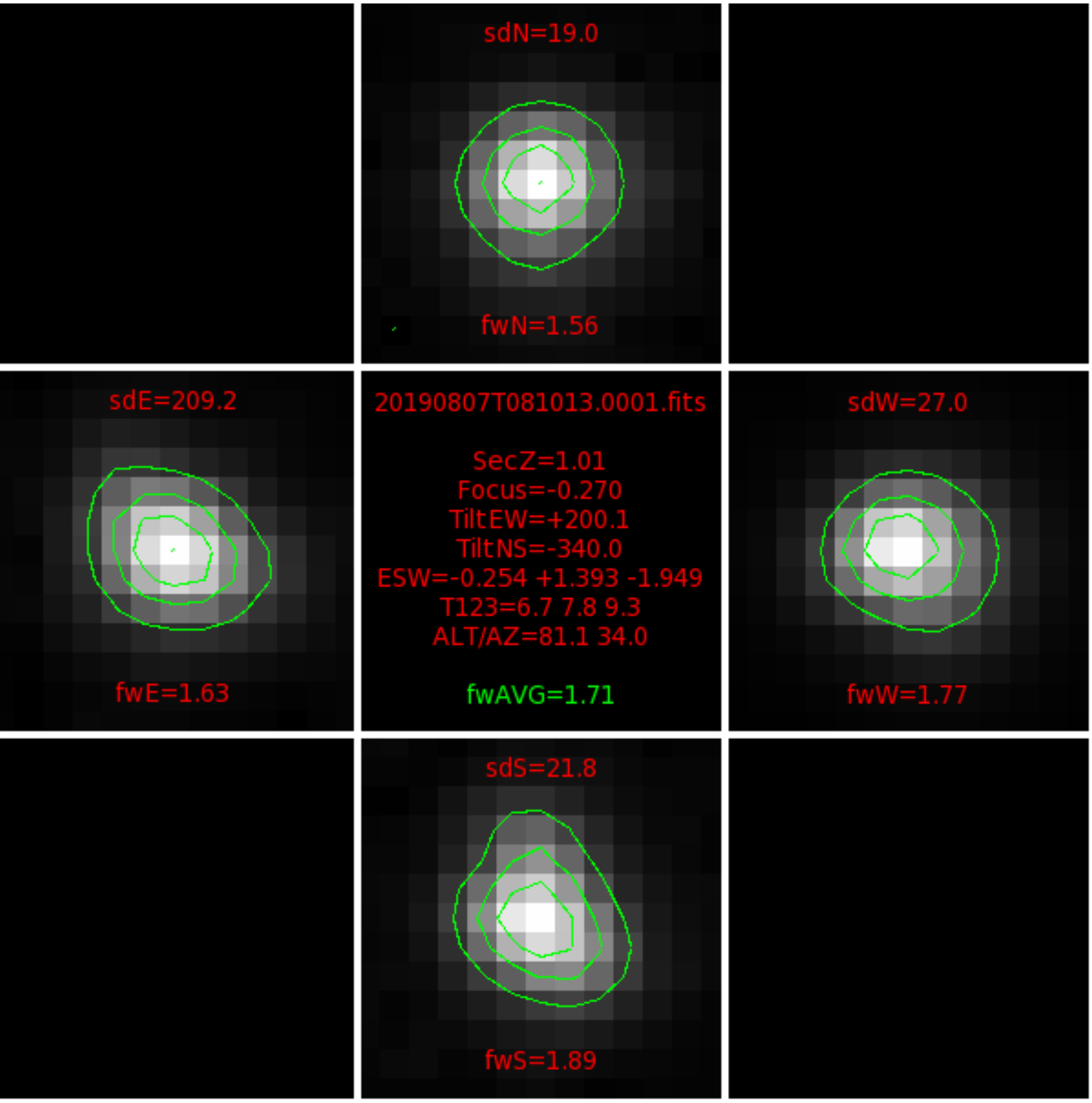

sdN=42.6
fwN=1.40
sdE=126.3
fwE=1.55
20190807T080804.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 8.0 9.3
ALT/AZ=80.8 36.1
fwAVG=1.48
sdW=140.5
fwW=1.30
sdS=482.2
fwS=1.64
0 0 0 0 0 0 0 0 0


sdN=13.5
fwN=1.92
sdE=190.5
fwE=1.76
20190807T080844.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 8.0 9.3
ALT/AZ=80.9 35.5
fwAVG=1.90
sdW=18.7
fwW=1.89
sdS=9.6
fwS=2.05
0 0 0 0 0 0 0 0 0


sdN=19.0
fwN=1.56
sdE=209.2
fwE=1.63
20190807T081013.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 7.8 9.3
ALT/AZ=81.1 34.0
fwAVG=1.71
sdW=27.0
fwW=1.77
sdS=21.8
fwS=1.89
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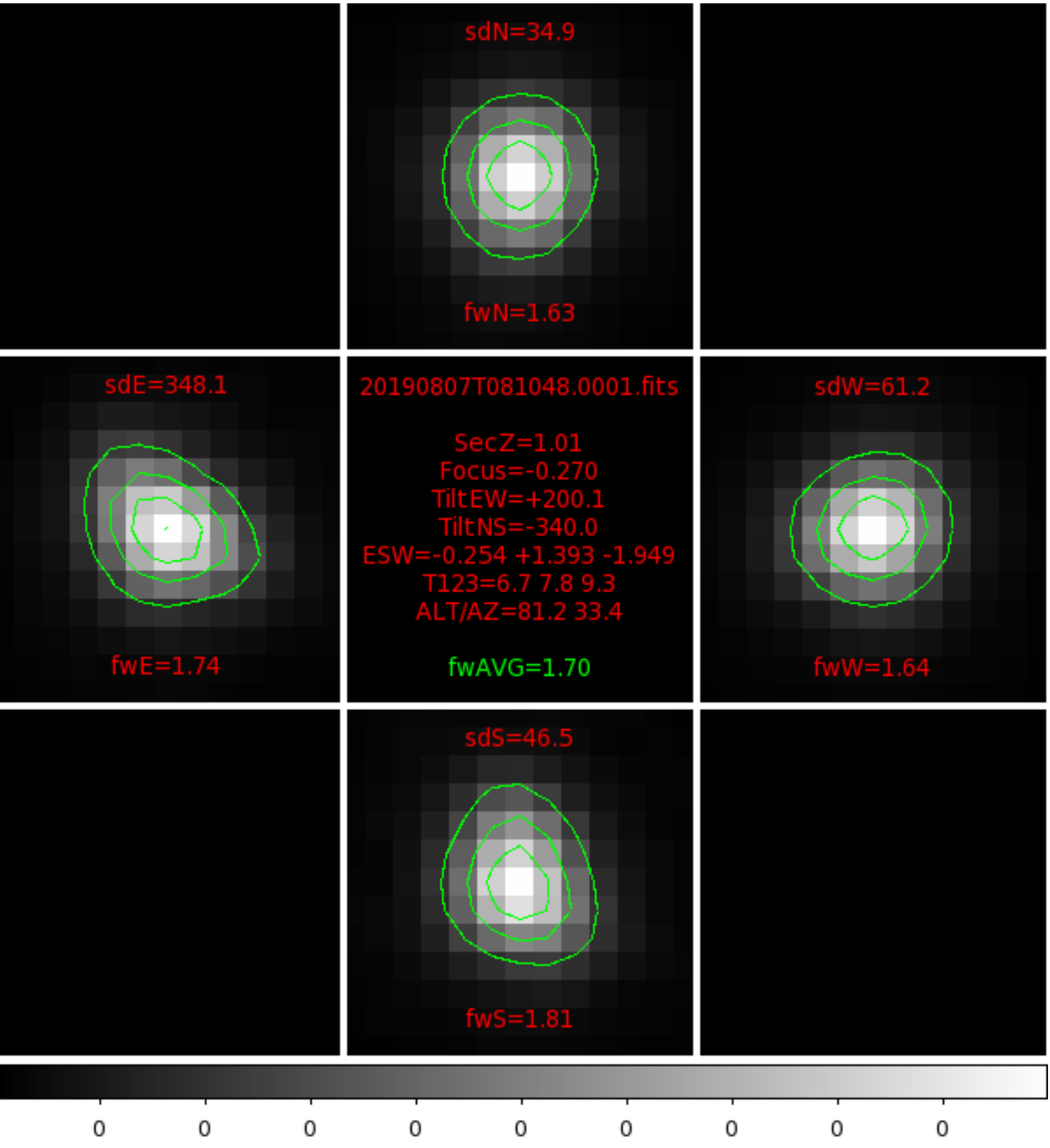
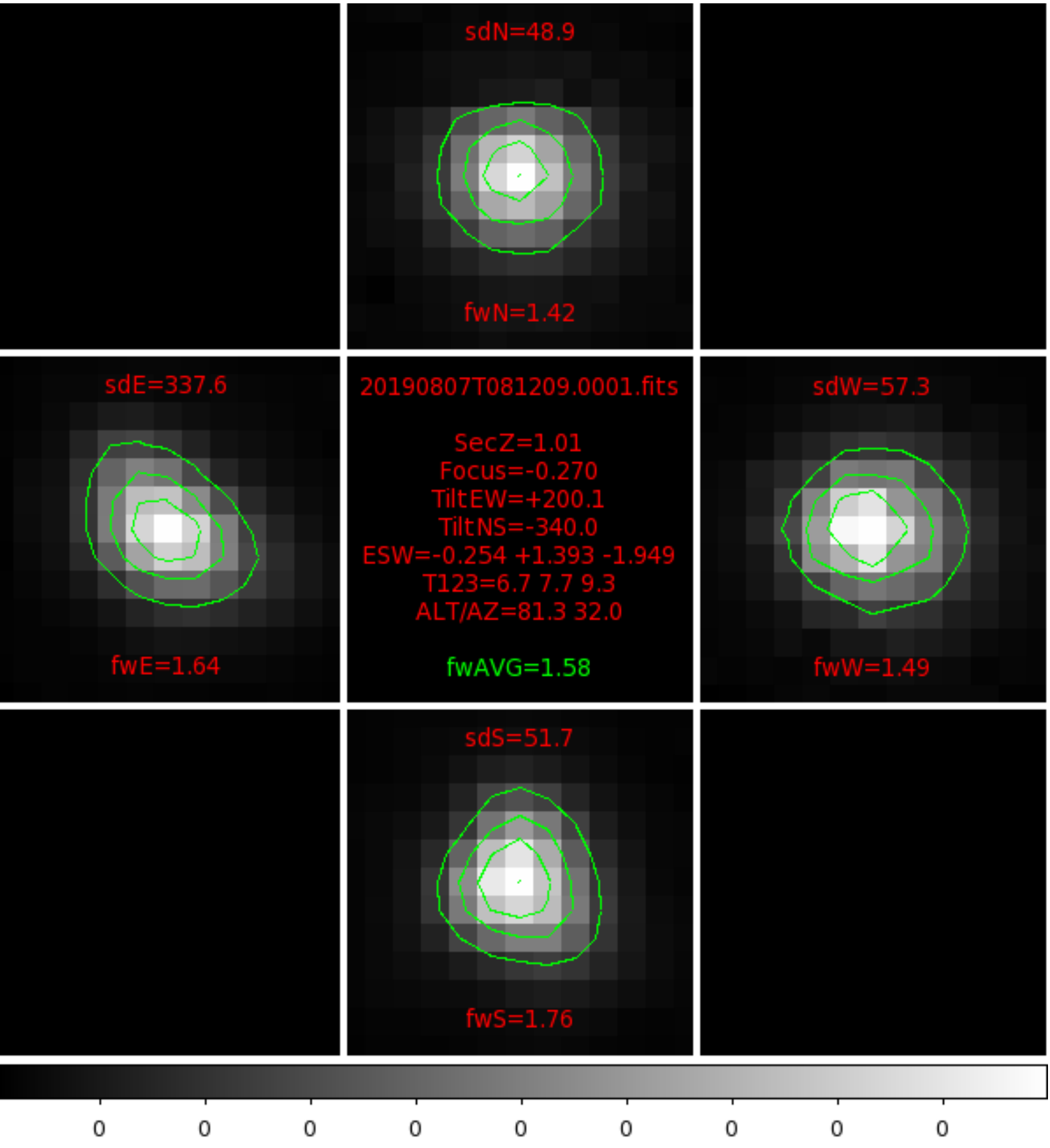

sdN=34.9
fwN=1.63
sdE=348.1
fwE=1.74
20190807T081048.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 7.8 9.3
ALT/AZ=81.2 33.4
fwAVG=1.70
sdW=61.2
fwW=1.64
sdS=46.5
fwS=1.81
0 0 0 0 0 0 0 0 0


sdN=48.9
fwN=1.42
sdE=337.6
fwE=1.64
20190807T081209.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 7.7 9.3
ALT/AZ=81.3 32.0
fwAVG=1.58
sdW=57.3
fwW=1.49
sdS=51.7
fwS=1.76
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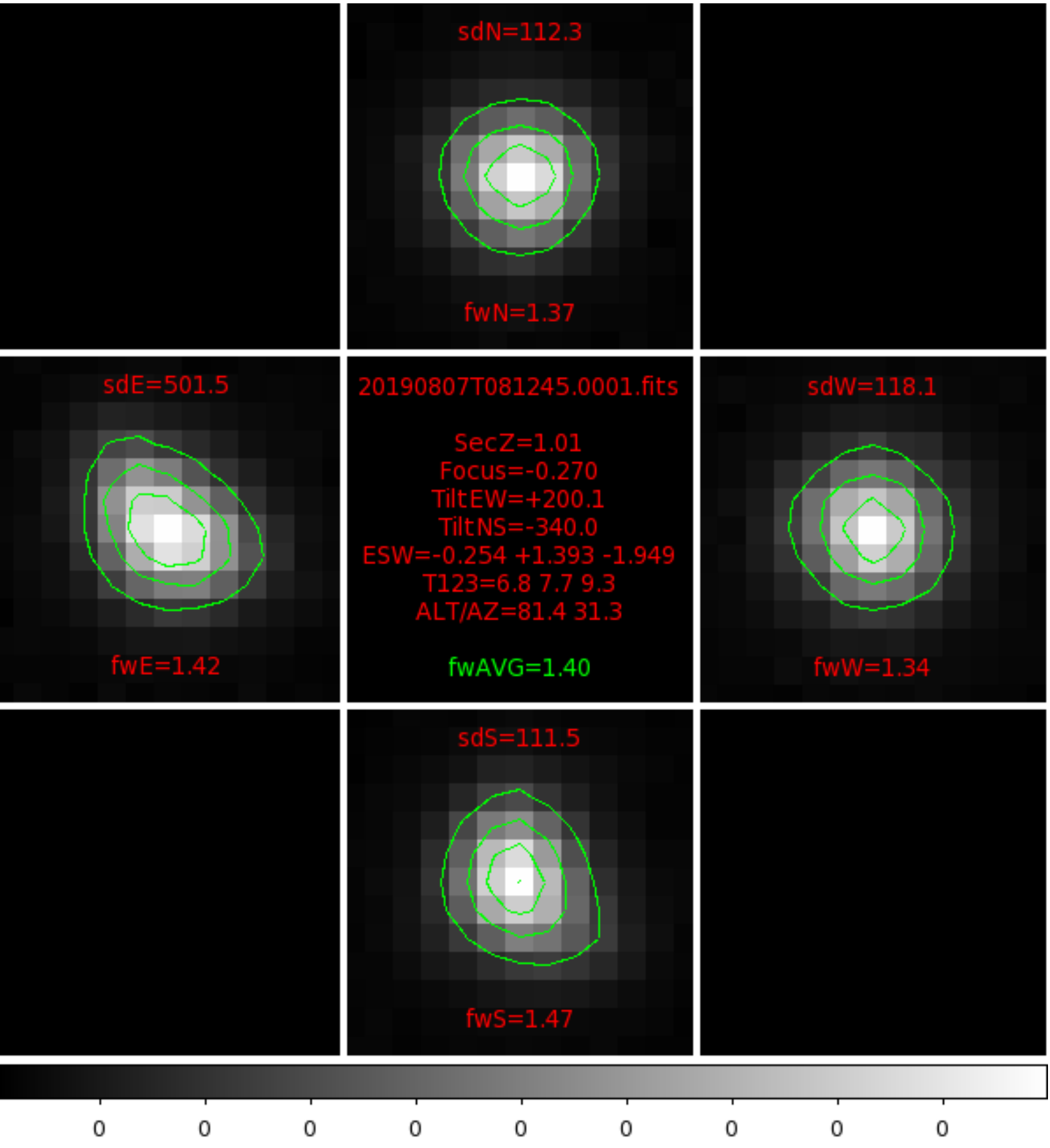
sdN=112.3
fwN=1.37
sdE=501.5
fwE=1.42
20190807T081245.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 7.7 9.3
ALT/AZ=81.4 31.3
fwAVG=1.40
sdW=118.1
fwW=1.34
sdS=111.5
fwS=1.47
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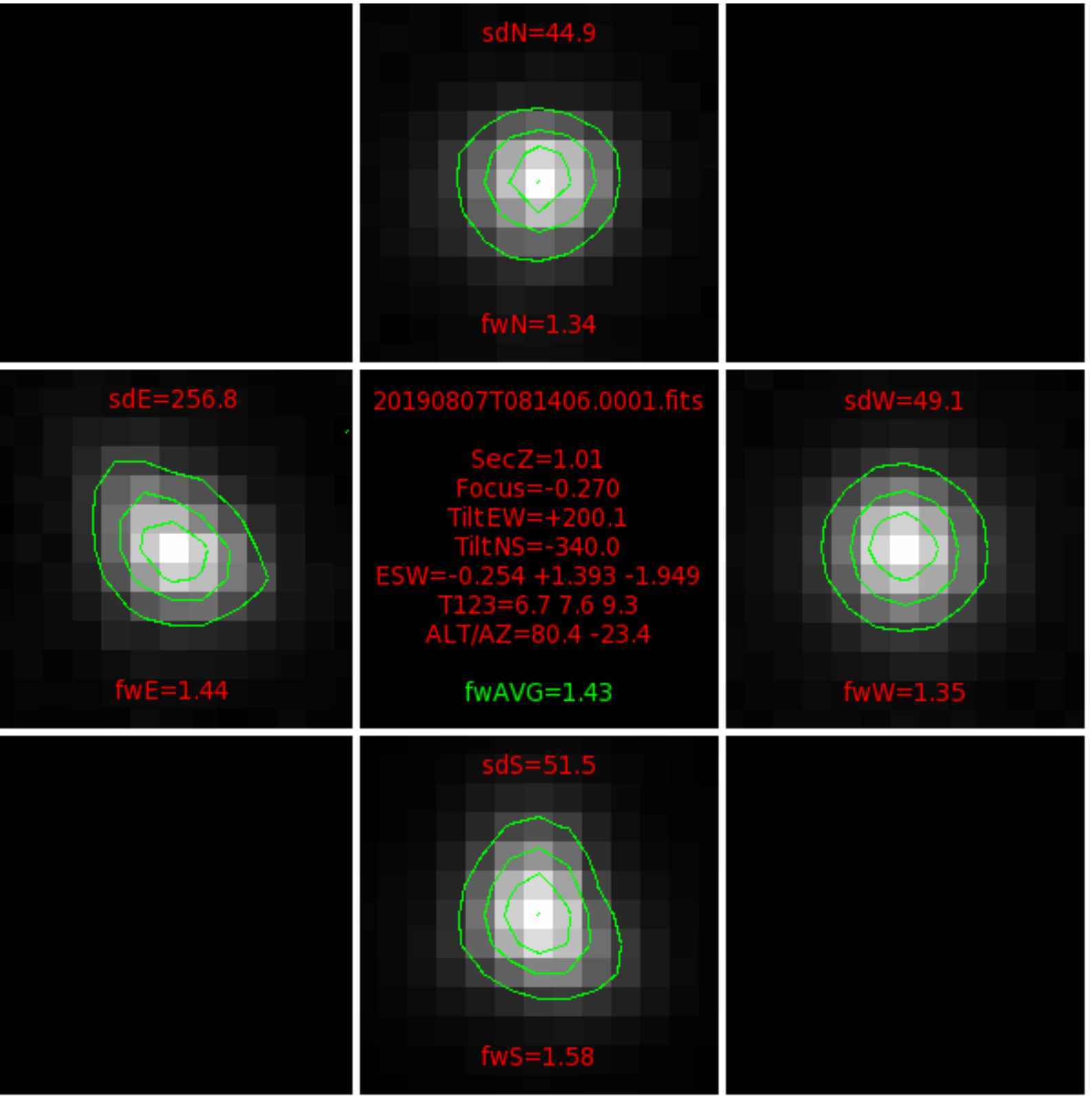
sdN=44.9
fwN=1.34
sdE=256.8
fwE=1.44
20190807T081406.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 7.6 9.3
ALT/AZ=80.4 -23.4
fwAVG=1.43
sdW=49.1
fwW=1.35
sdS=51.5
fwS=1.58
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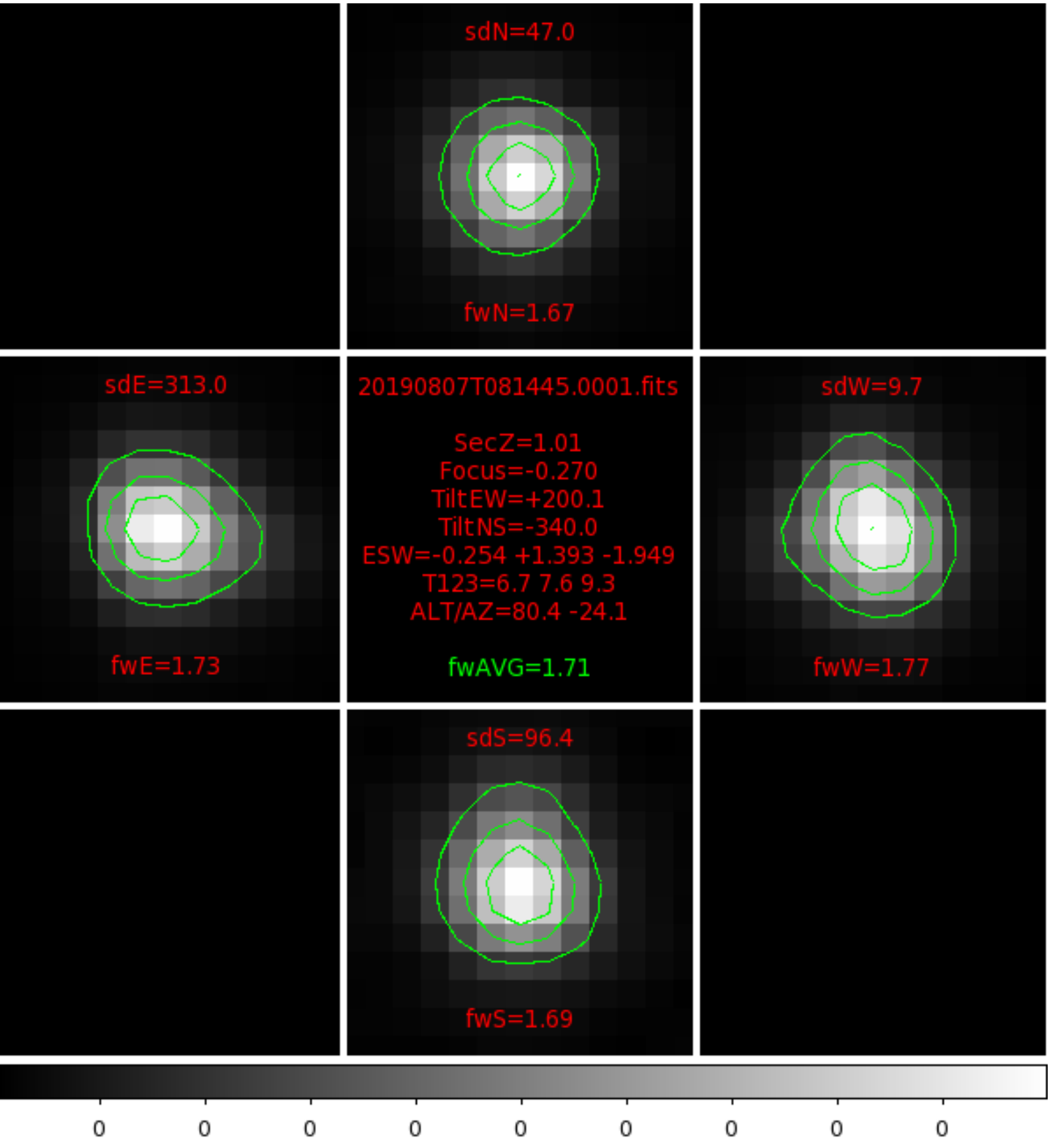
sdN=47.0
fwN=1.67
sdE=313.0
fwE=1.73
20190807T081445.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 7.6 9.3
ALT/AZ=80.4 -24.1
fwAVG=1.71
sdW=9.7
fwW=1.77
sdS=96.4
fwS=1.69
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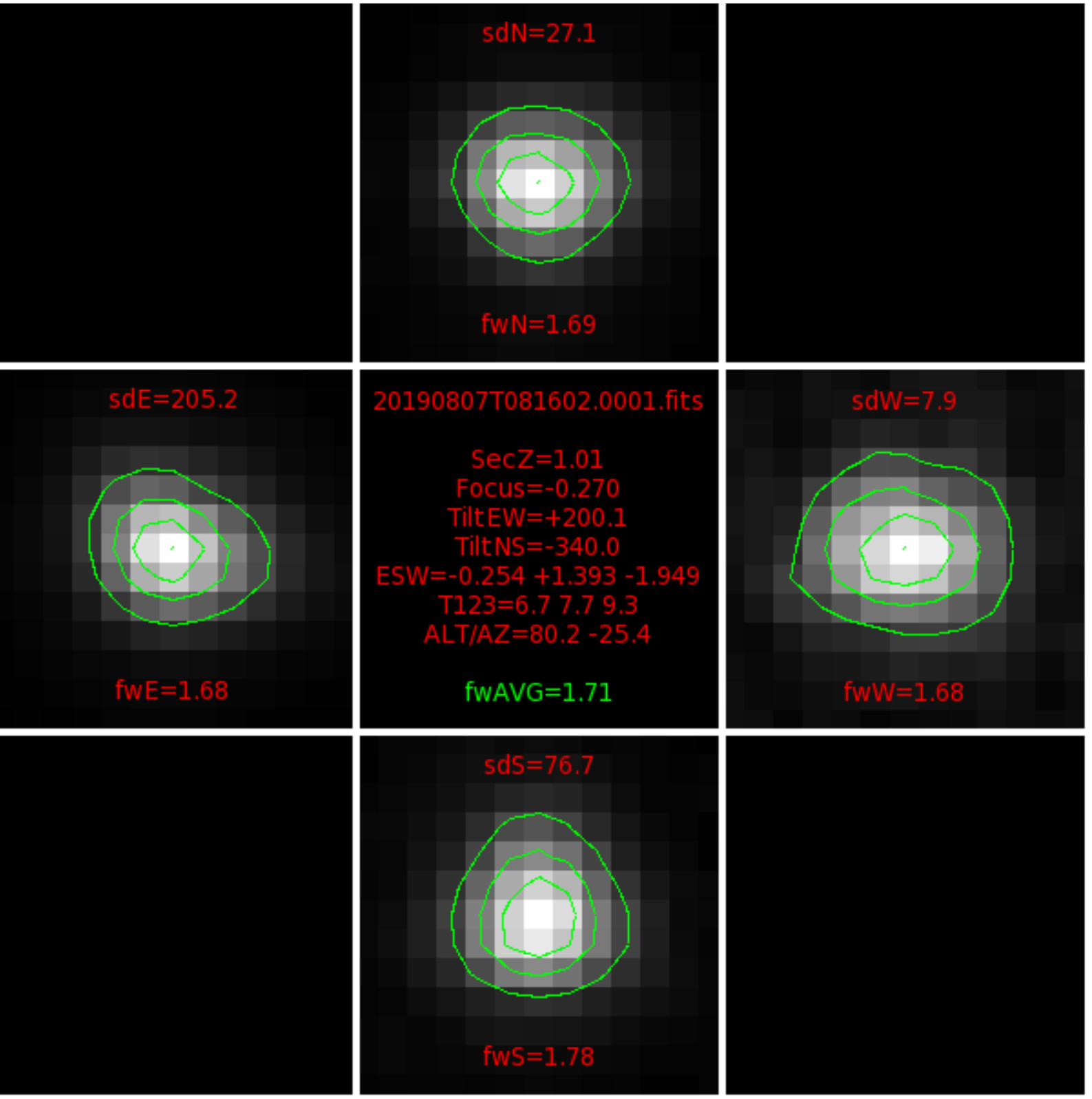
sdN=27.1
fwN=1.69
sdE=205.2
fwE=1.68
20190807T081602.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 7.7 9.3
ALT/AZ=80.2 -25.4
fwAVG=1.71
sdW=7.9
fwW=1.68
sdS=76.7
fwS=1.78
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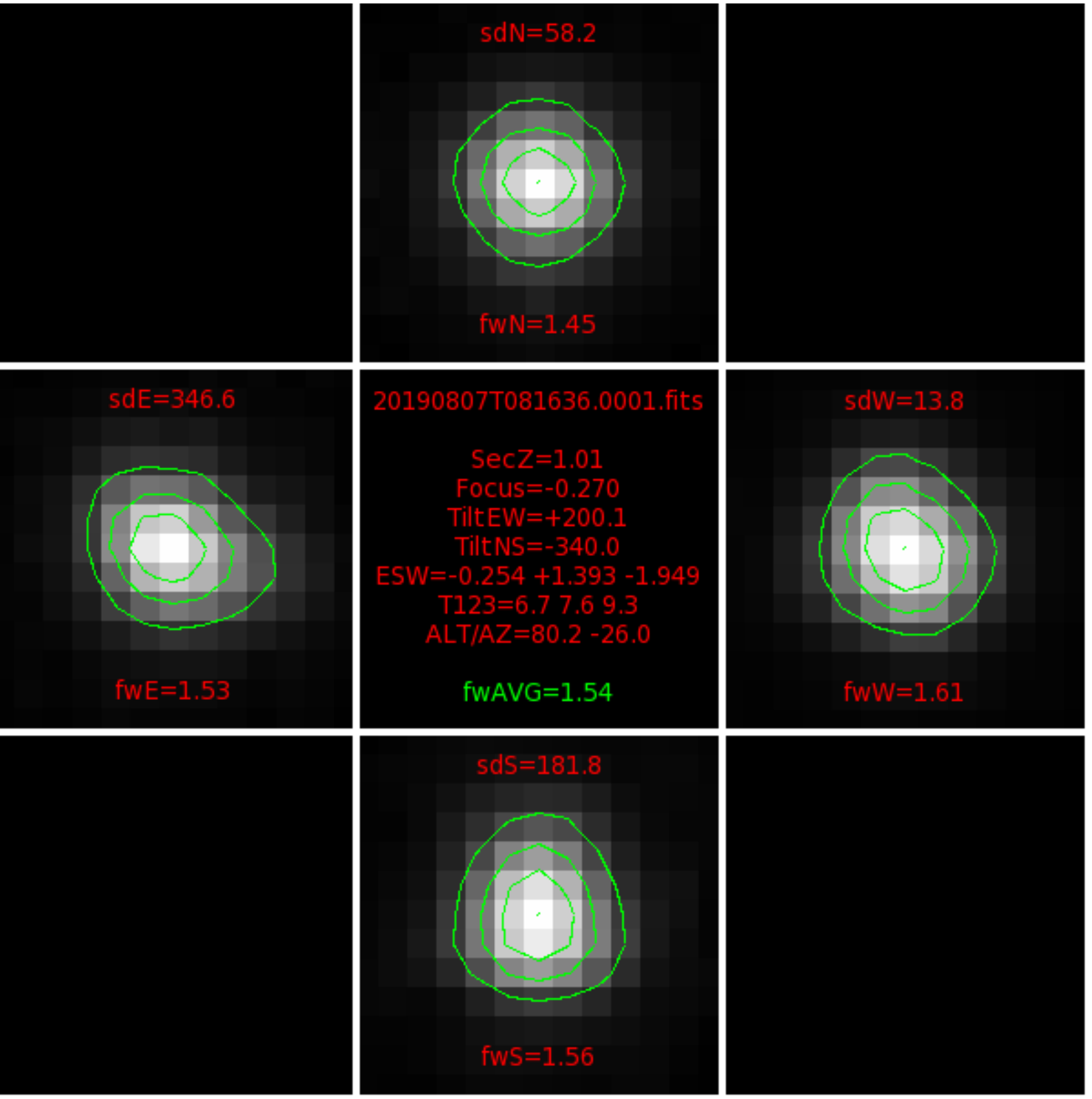
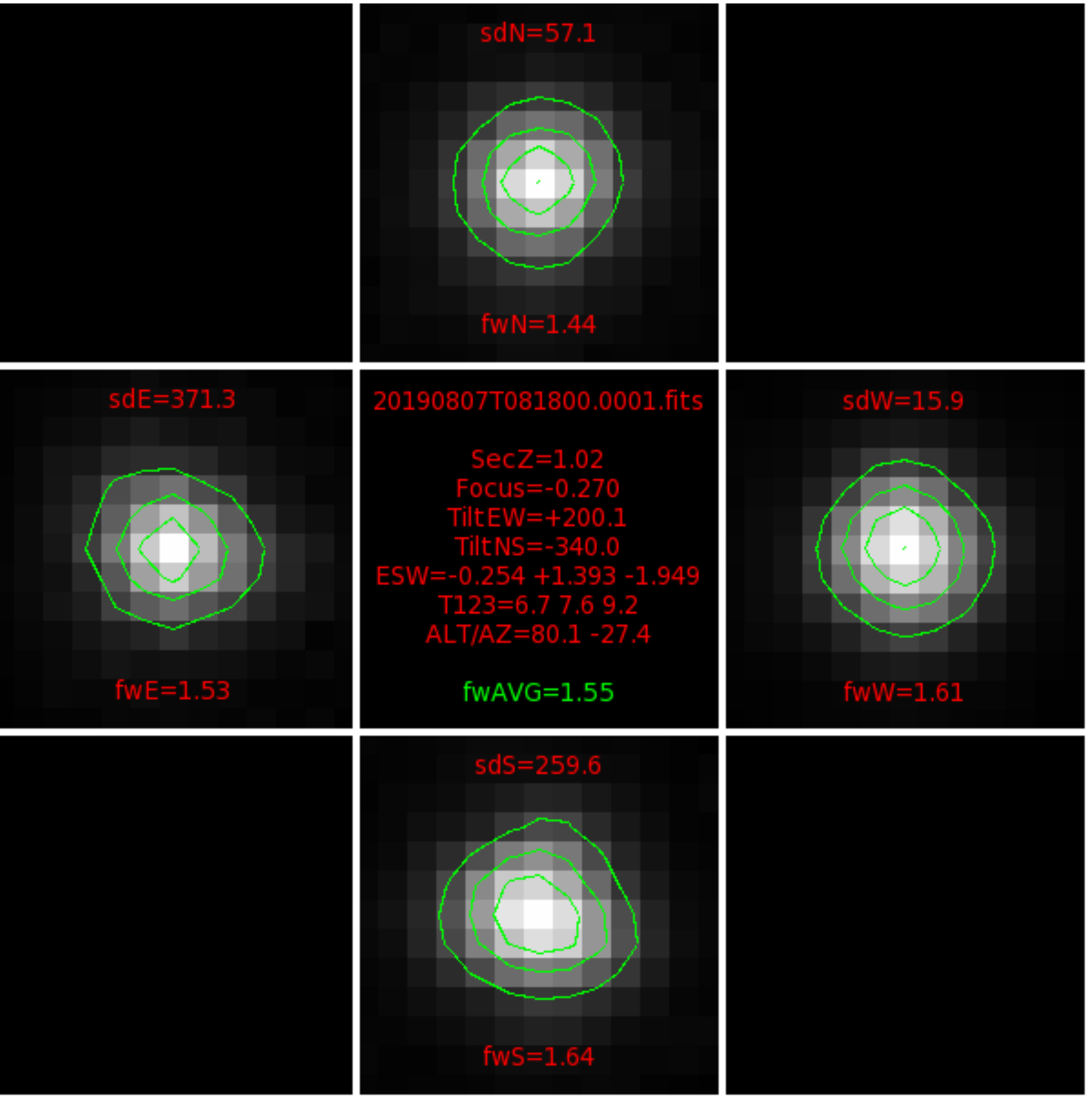

sdN=58.2
fwN=1.45
sdE=346.6
fwE=1.53
20190807T081636.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 7.6 9.3
ALT/AZ=80.2 -26.0
fwAVG=1.54
sdW=13.8
fwW=1.61
sdS=181.8
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=57.1
fwN=1.44
sdE=371.3
fwE=1.53
20190807T081800.0001.fits
SecZ=1.02
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 7.6 9.2
ALT/AZ=80.1 -27.4
fwAVG=1.55
sdW=15.9
fwW=1.61
sdS=259.6
fwS=1.64
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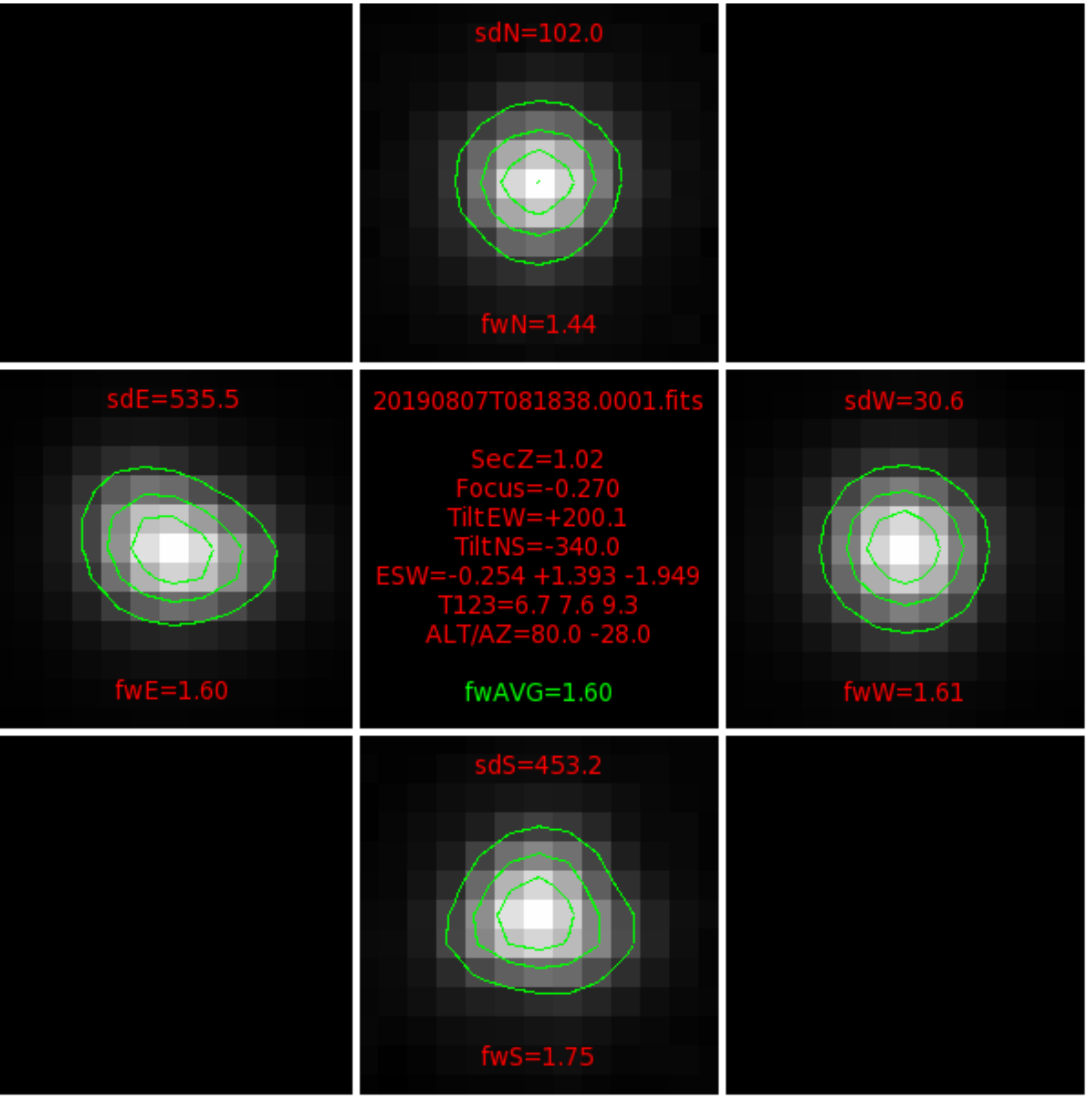
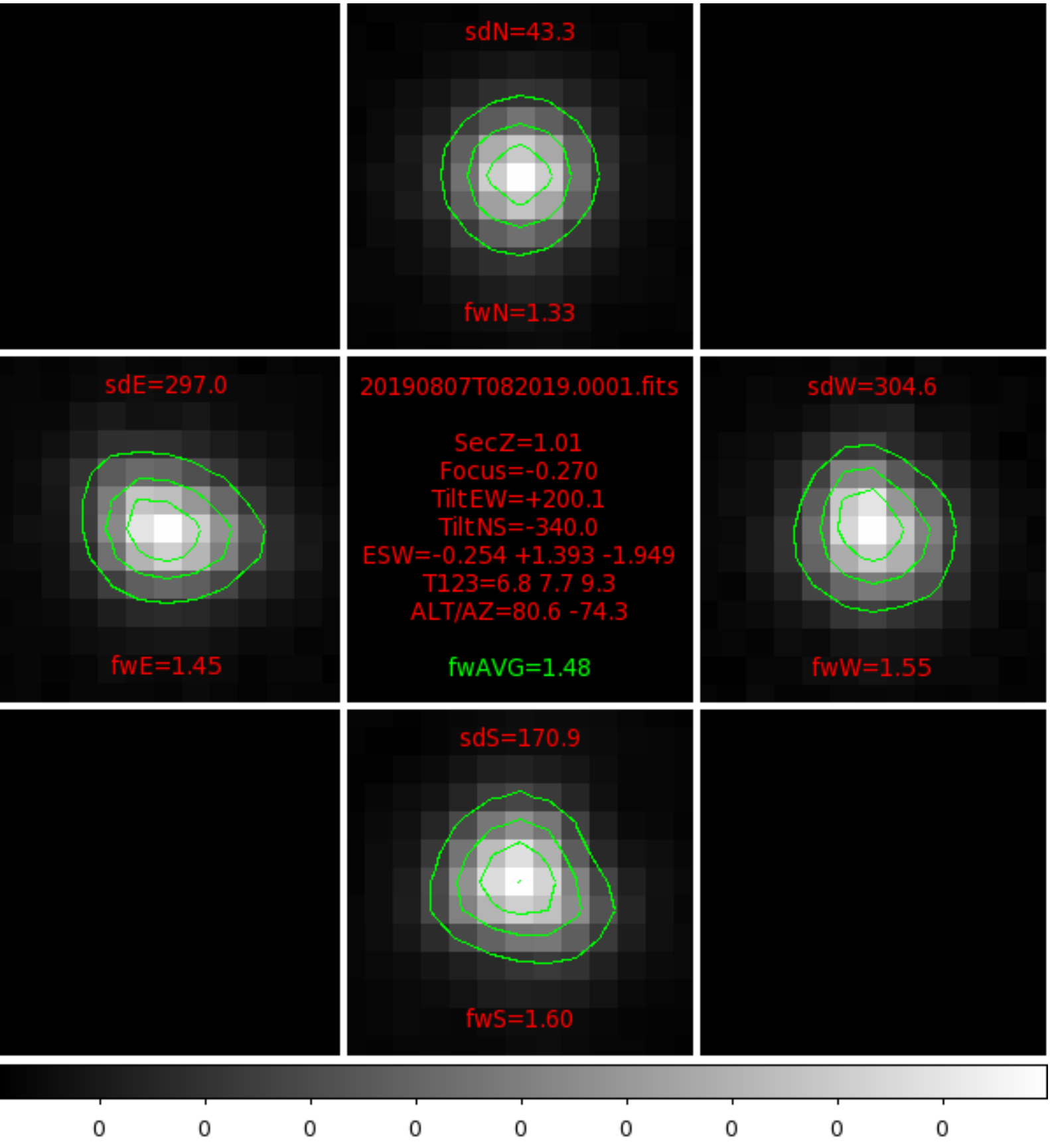
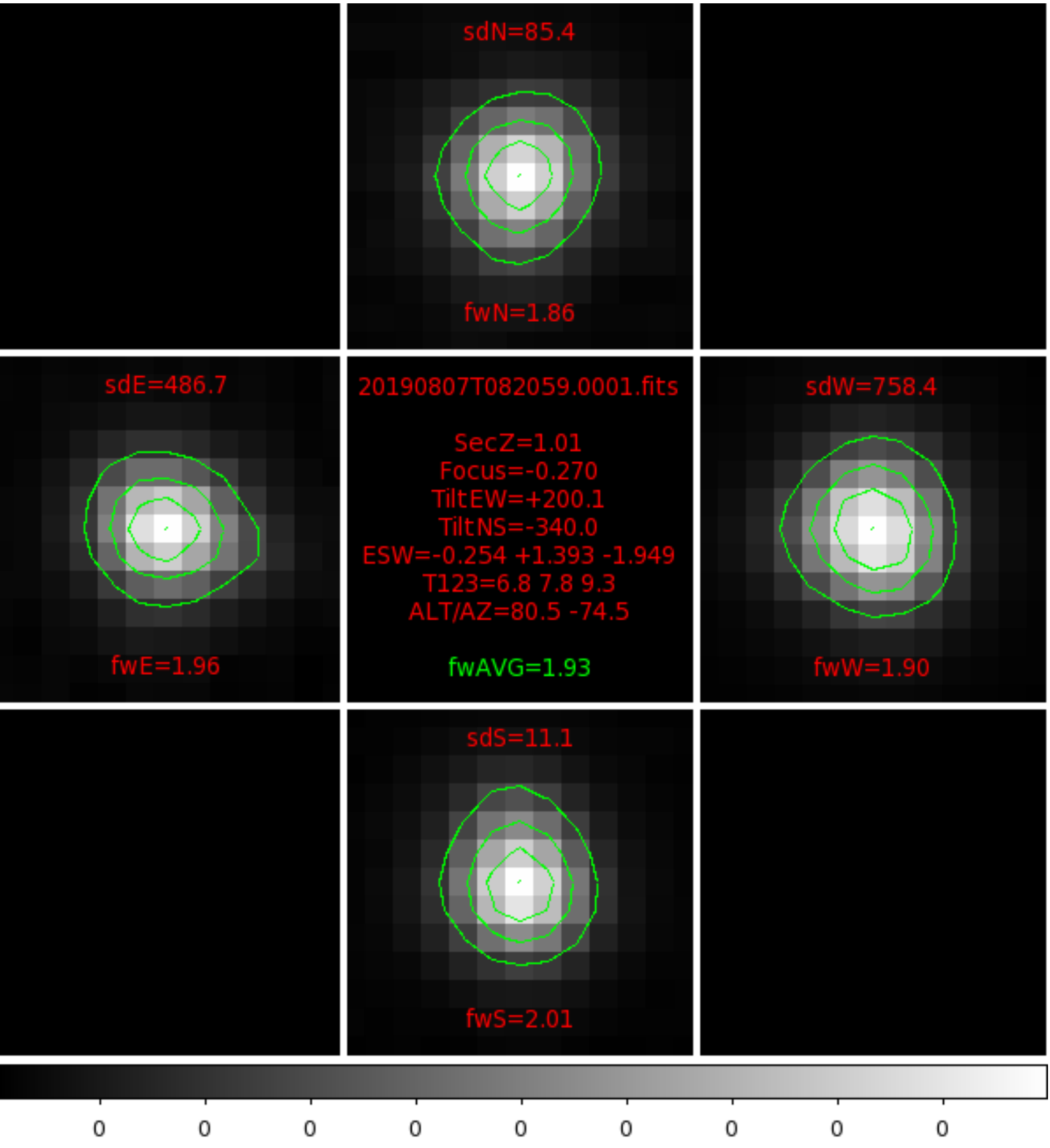
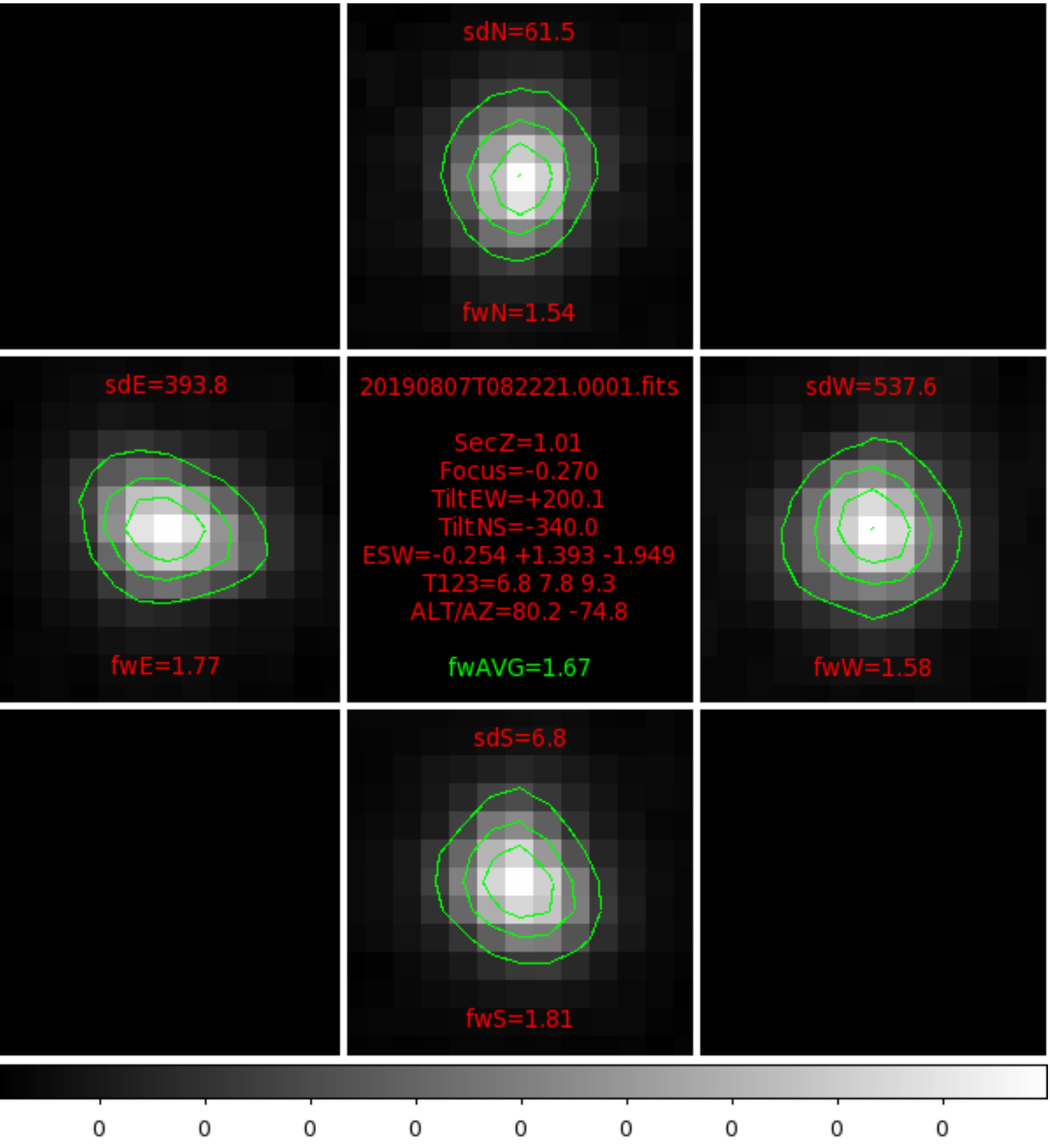
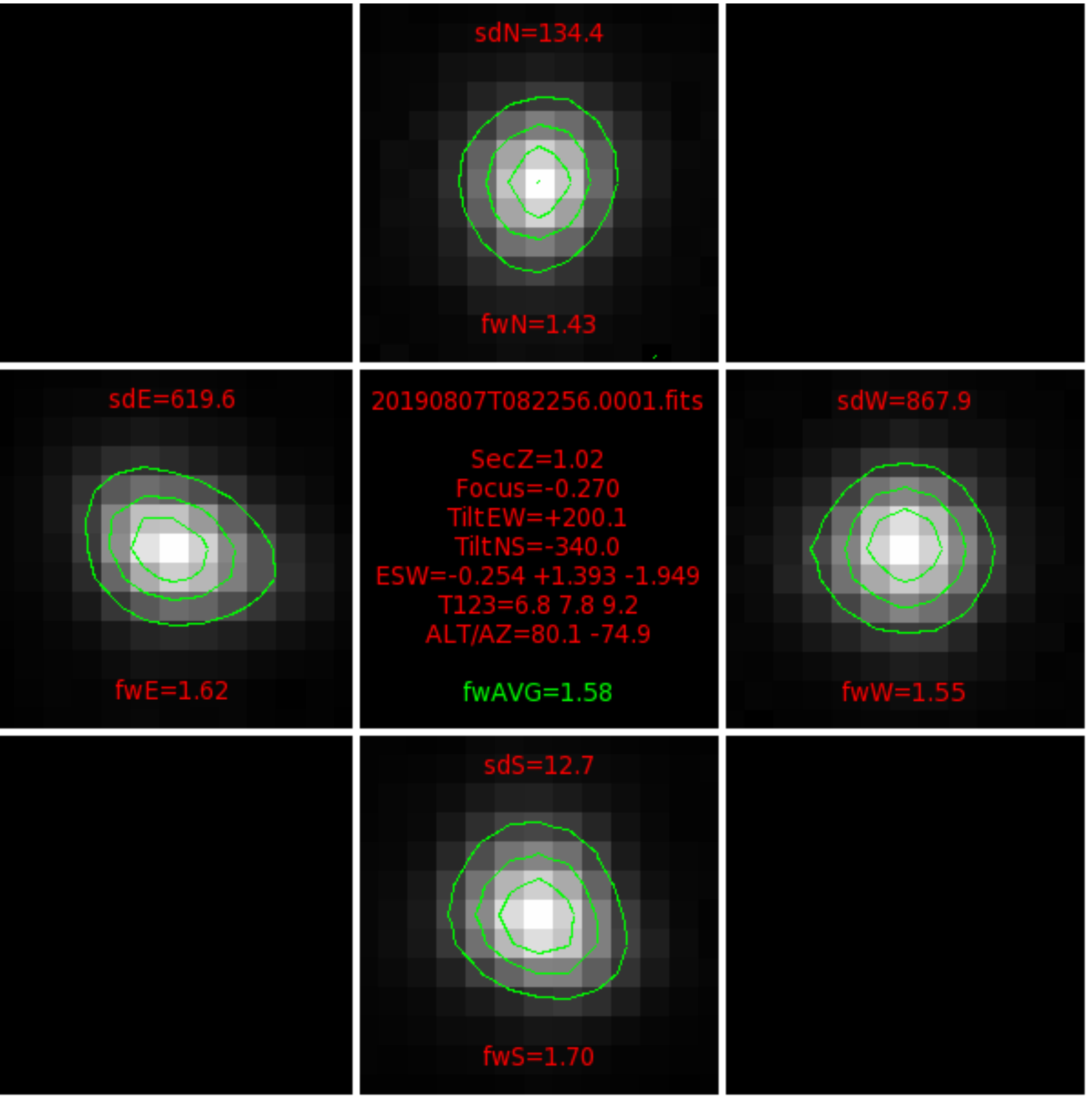
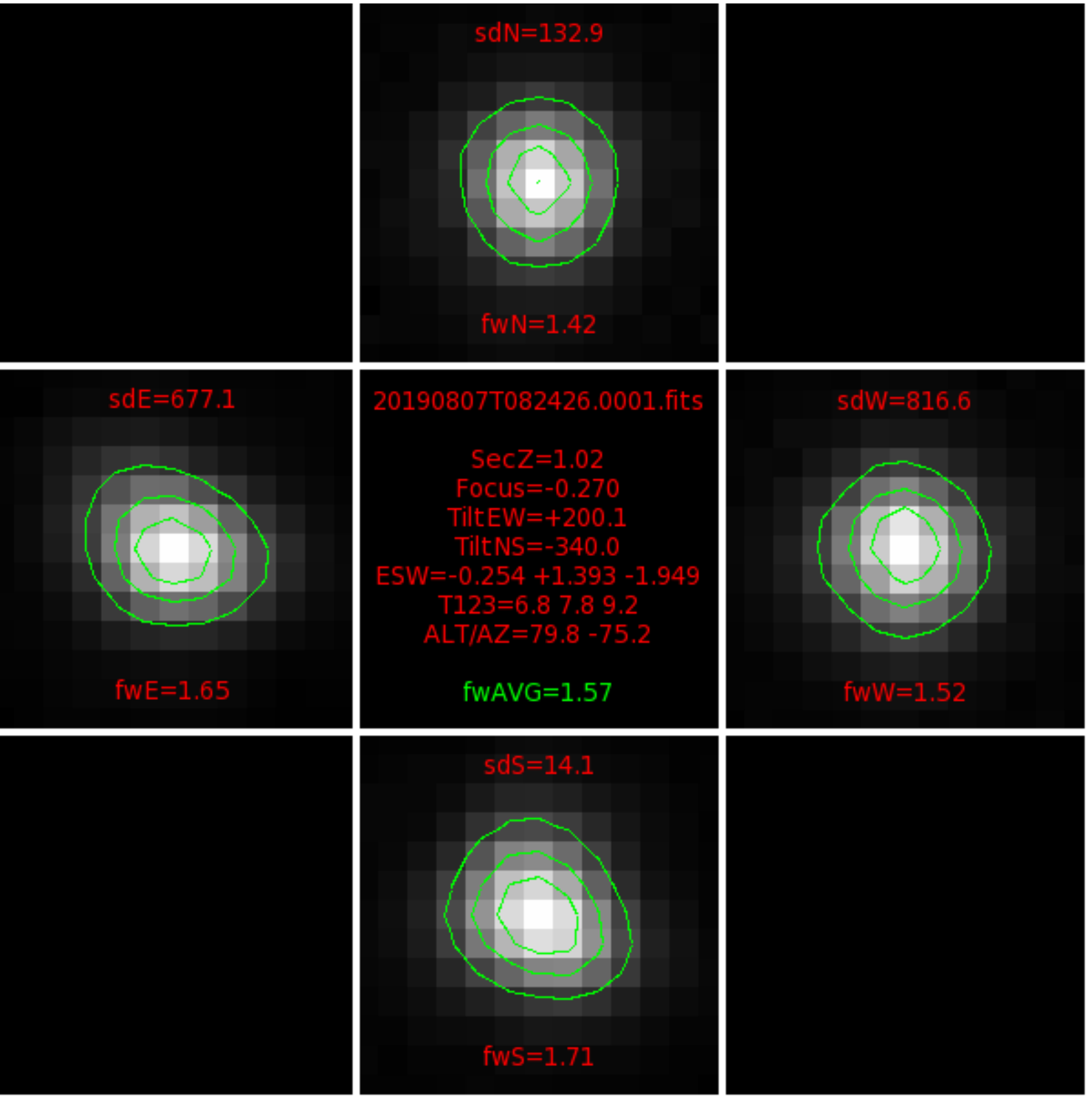

sdN=102.0
fwN=1.44
sdE=535.5
fwE=1.60
20190807T081838.0001.fits
SecZ=1.02
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.7 7.6 9.3
ALT/AZ=80.0 -28.0
fwAVG=1.60
sdW=30.6
fwW=1.61
sdS=453.2
fwS=1.75
0 0 0 0 0 0 0 0 0

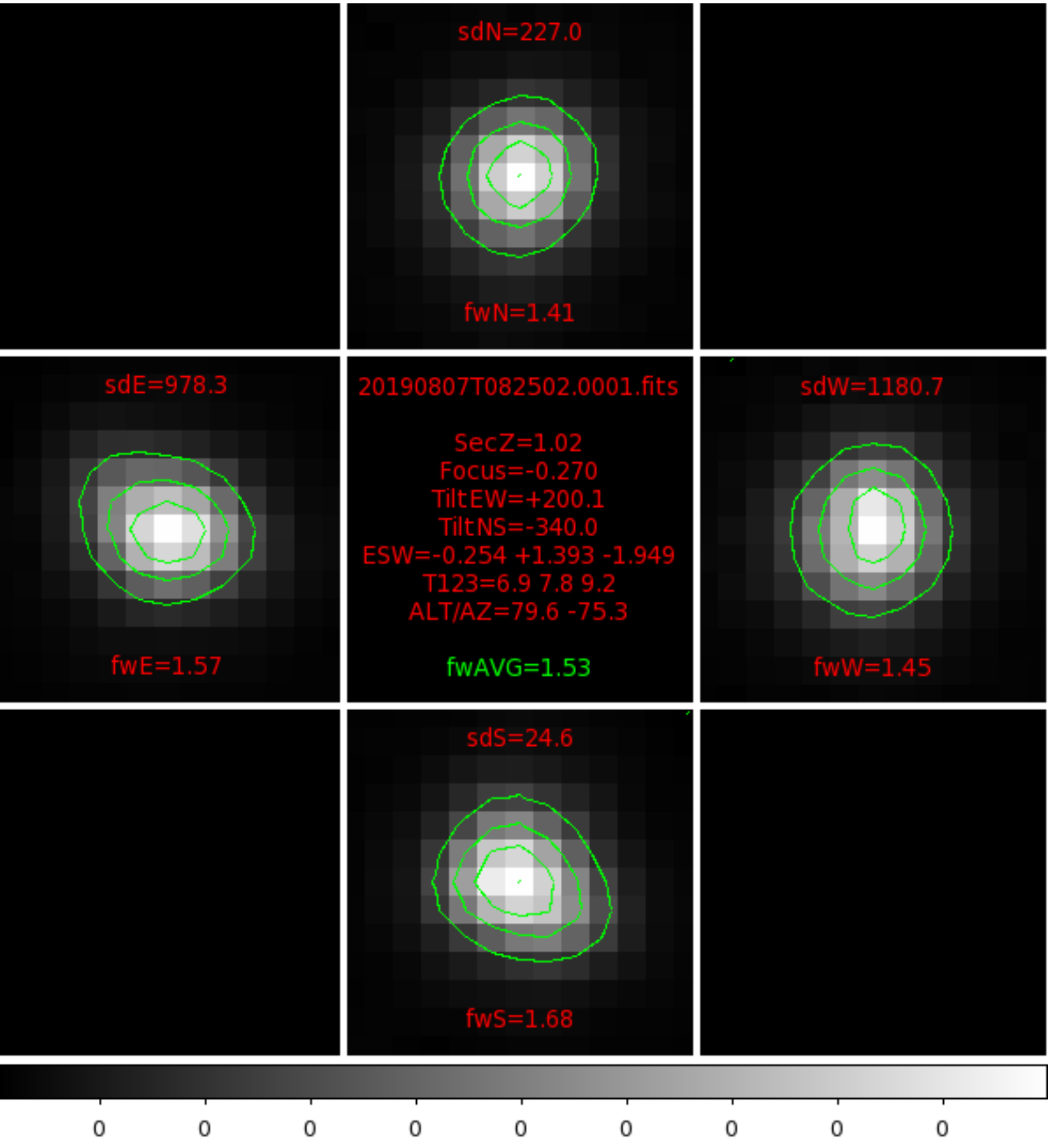

sdN=43.3
fwN=1.33
sdE=297.0
fwE=1.45
20190807T082019.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 7.7 9.3
ALT/AZ=80.6 -74.3
fwAVG=1.48
sdW=304.6
fwW=1.55
sdS=170.9
fwS=1.60
0 0 0 0 0 0 0 0 0


sdN=85.4
fwN=1.86
sdE=486.7
fwE=1.96
20190807T082059.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 7.8 9.3
ALT/AZ=80.5 -74.5
fwAVG=1.93
sdW=758.4
fwW=1.90
sdS=11.1
fwS=2.01
0 0 0 0 0 0 0 0 0


sdN=61.5
fwN=1.54
sdE=393.8
fwE=1.77
20190807T082221.0001.fits
SecZ=1.01
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 7.8 9.3
ALT/AZ=80.2 -74.8
fwAVG=1.67
sdW=537.6
fwW=1.58
sdS=6.8
fwS=1.81
0 0 0 0 0 0 0 0 0


sdN=134.4
fwN=1.43
sdE=619.6
fwE=1.62
20190807T082256.0001.fits
SecZ=1.02
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 7.8 9.2
ALT/AZ=80.1 -74.9
fwAVG=1.58
sdW=867.9
fwW=1.55
sdS=12.7
fwS=1.70
0 0 0 0 0 0 0 0 0


sdN=132.9
fwN=1.42
sdE=677.1
fwE=1.65
20190807T082426.0001.fits
SecZ=1.02
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.8 7.8 9.2
ALT/AZ=79.8 -75.2
fwAVG=1.57
sdW=816.6
fwW=1.52
sdS=14.1
fwS=1.71
0 0 0 0 0 0 0 0 0


sdN=227.0
fwN=1.41
sdE=978.3
fwE=1.57
20190807T082502.0001.fits
SecZ=1.02
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 7.8 9.2
ALT/AZ=79.6 -75.3
fwAVG=1.53
sdW=1180.7
fwW=1.45
sdS=24.6
fwS=1.68
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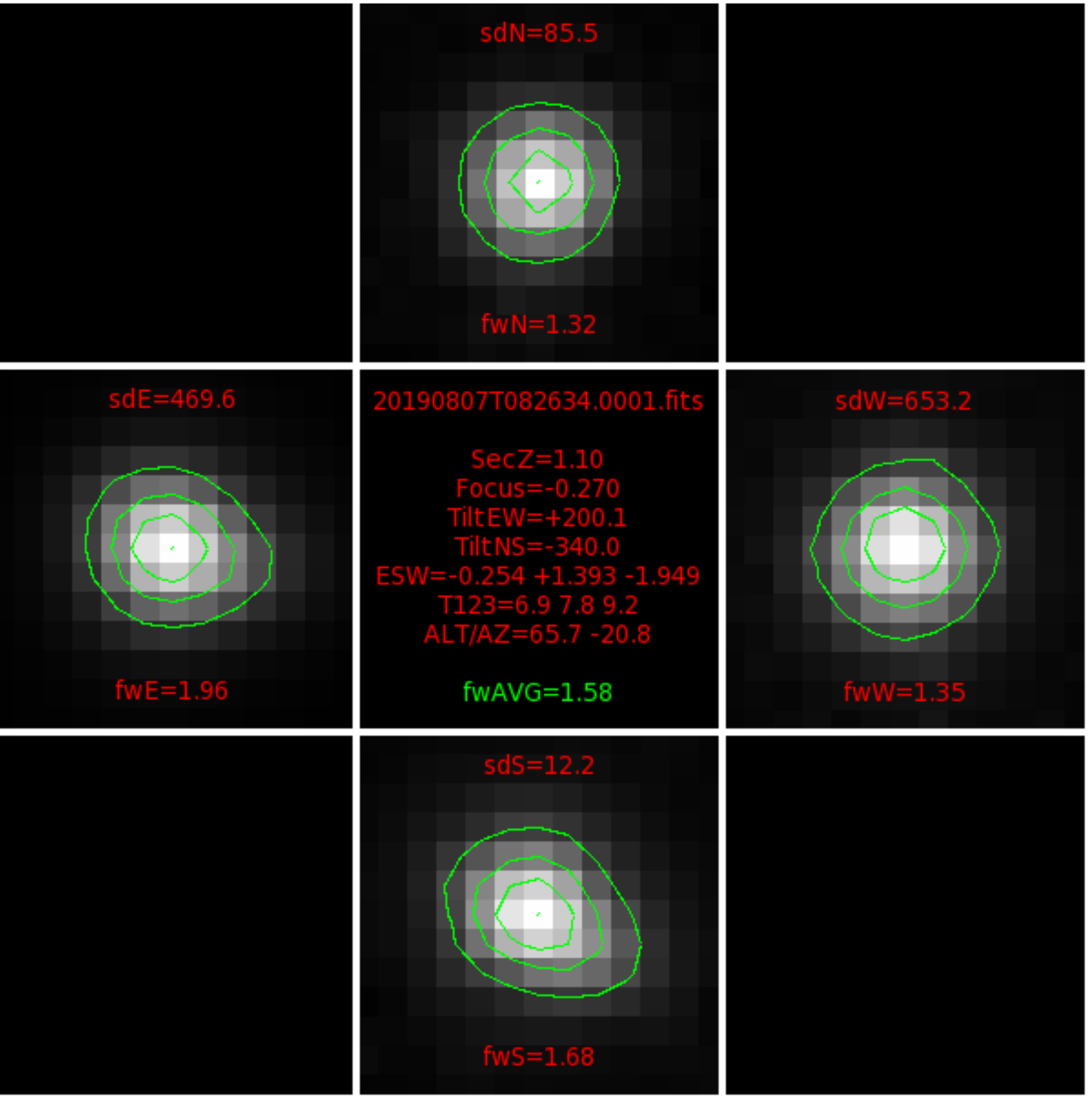
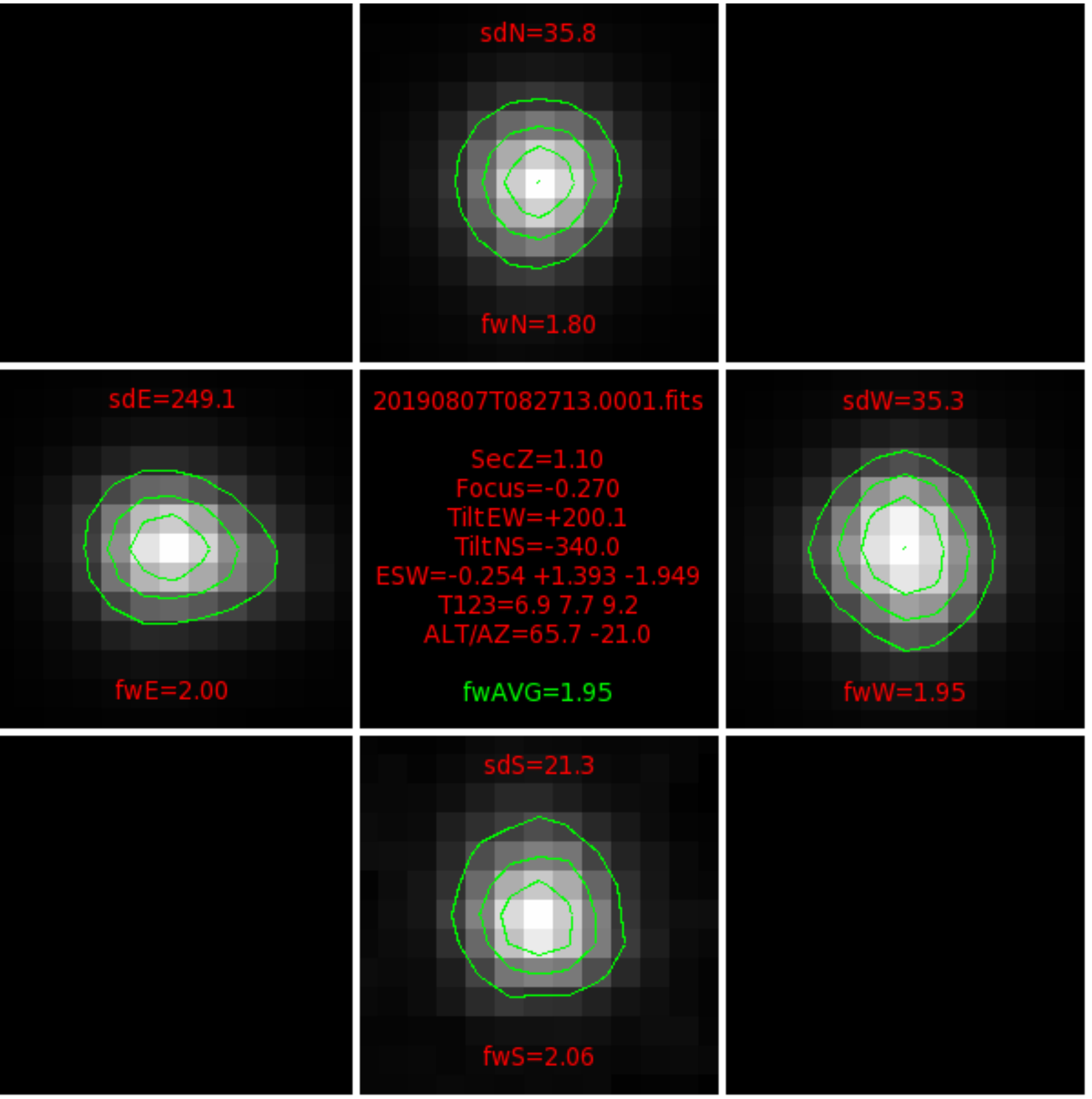
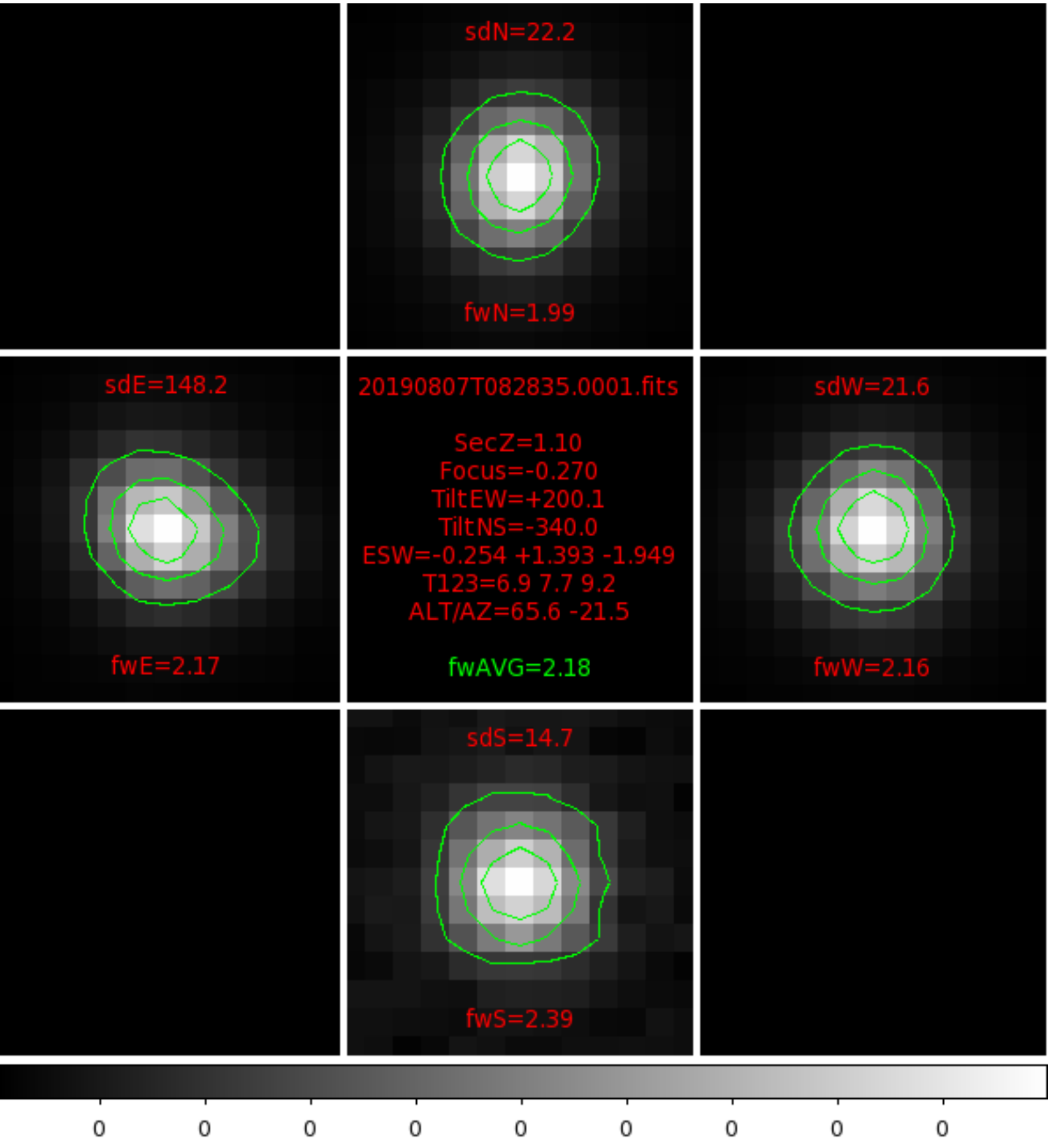

sdN=85.5
fwN=1.32
sdE=469.6
fwE=1.96
20190807T082634.0001.fits
SecZ=1.10
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 7.8 9.2
ALT/AZ=65.7 -20.8
fwAVG=1.58
sdW=653.2
fwW=1.35
sdS=12.2
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=35.8
fwN=1.80
sdE=249.1
fwE=2.00
20190807T082713.0001.fits
SecZ=1.10
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 7.7 9.2
ALT/AZ=65.7 -21.0
fwAVG=1.95
sdW=35.3
fwW=1.95
sdS=21.3
fwS=2.06
0 0 0 0 0 0 0 0 0


sdN=22.2
fwN=1.99
sdE=148.2
fwE=2.17
20190807T082835.0001.fits
SecZ=1.10
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 7.7 9.2
ALT/AZ=65.6 -21.5
fwAVG=2.18
sdW=21.6
fwW=2.16
sdS=14.7
fwS=2.39
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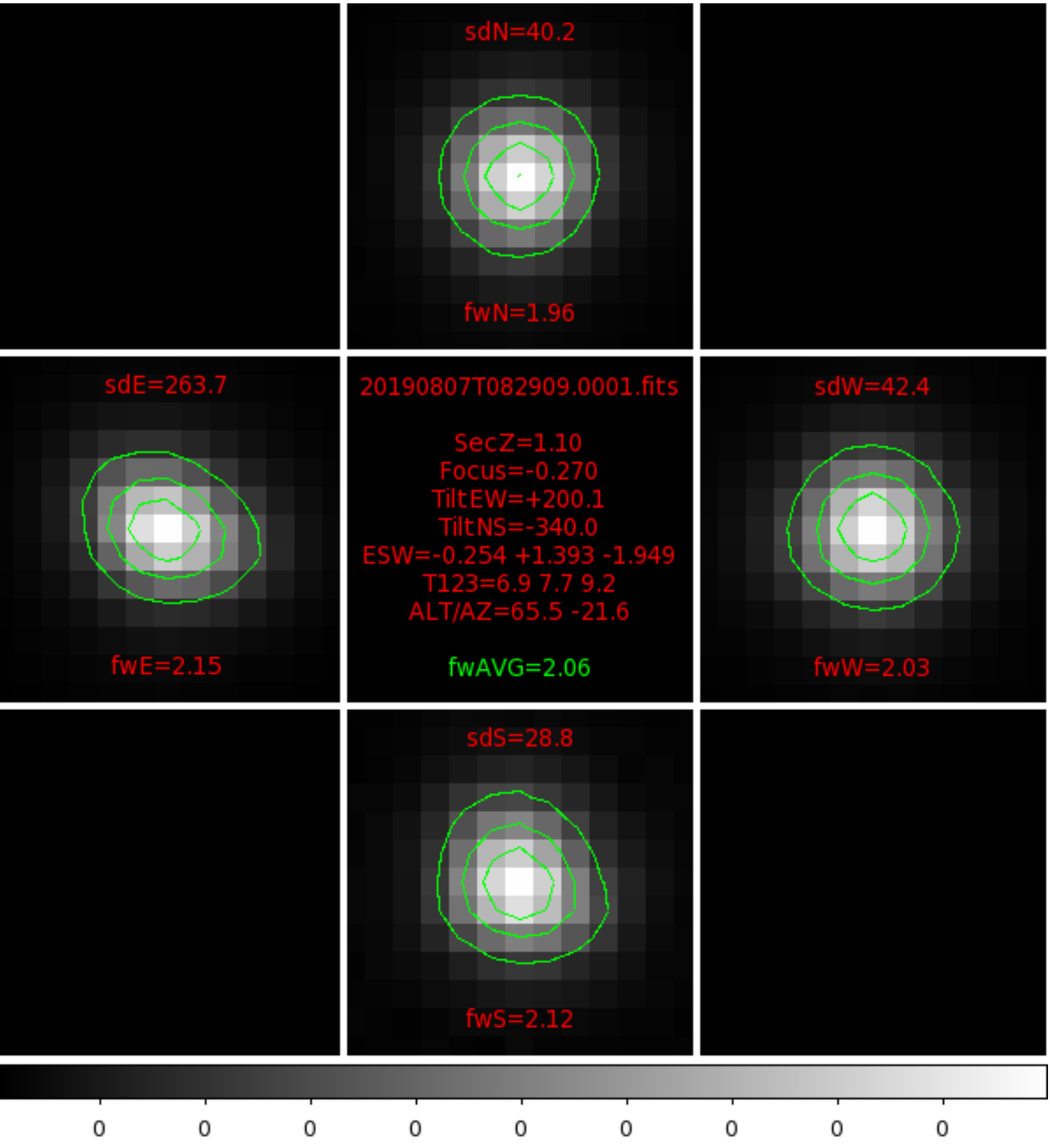
sdN=40.2
fwN=1.96
sdE=263.7
fwE=2.15
20190807T082909.0001.fits
SecZ=1.10
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 7.7 9.2
ALT/AZ=65.5 -21.6
fwAVG=2.06
sdW=42.4
fwW=2.03
sdS=28.8
fwS=2.12
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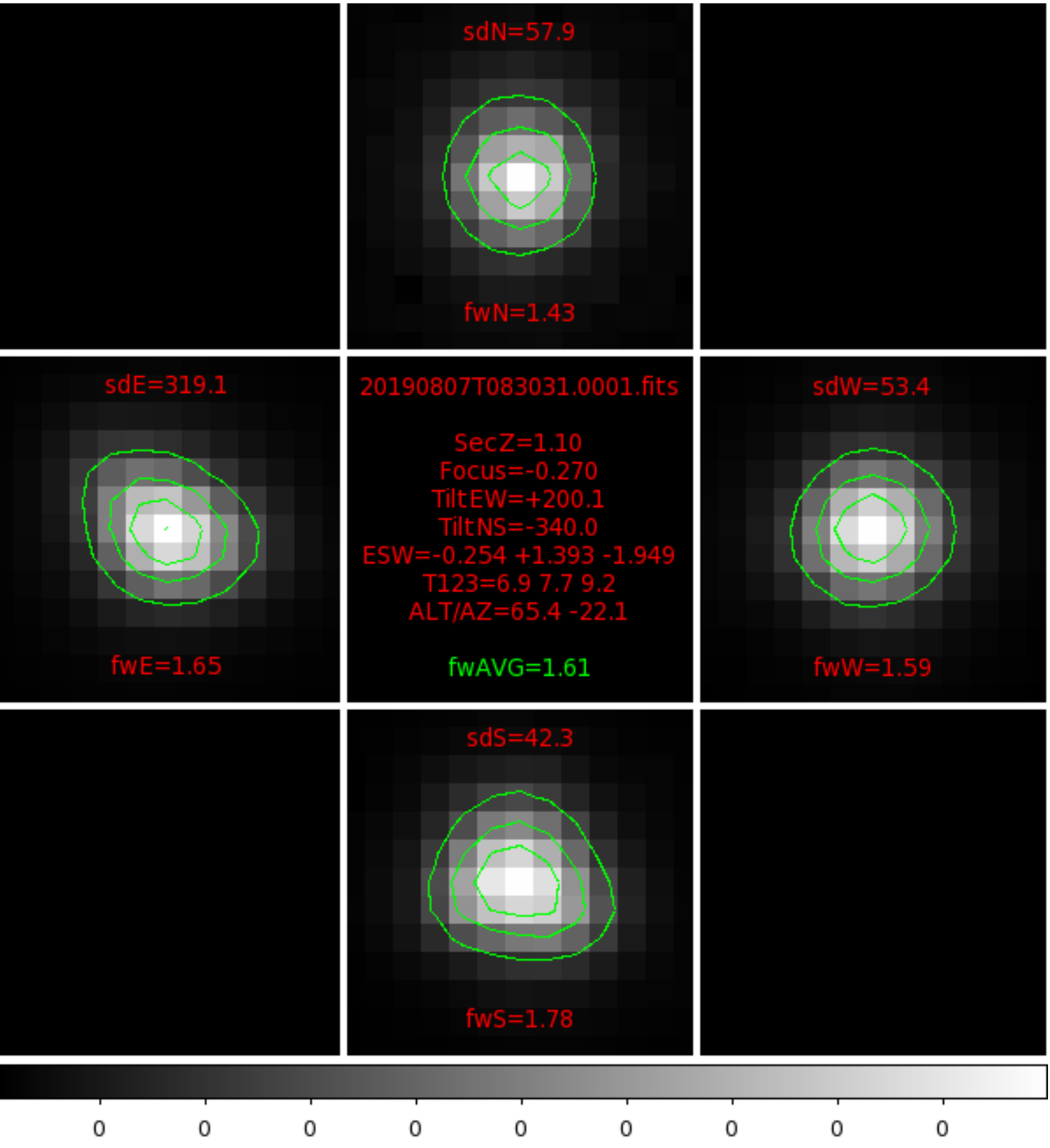
sdN=57.9
fwN=1.43
sdE=319.1
fwE=1.65
20190807T083031.0001.fits
SecZ=1.10
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 7.7 9.2
ALT/AZ=65.4 -22.1
fwAVG=1.61
sdW=53.4
fwW=1.59
sdS=42.3
fwS=1.78
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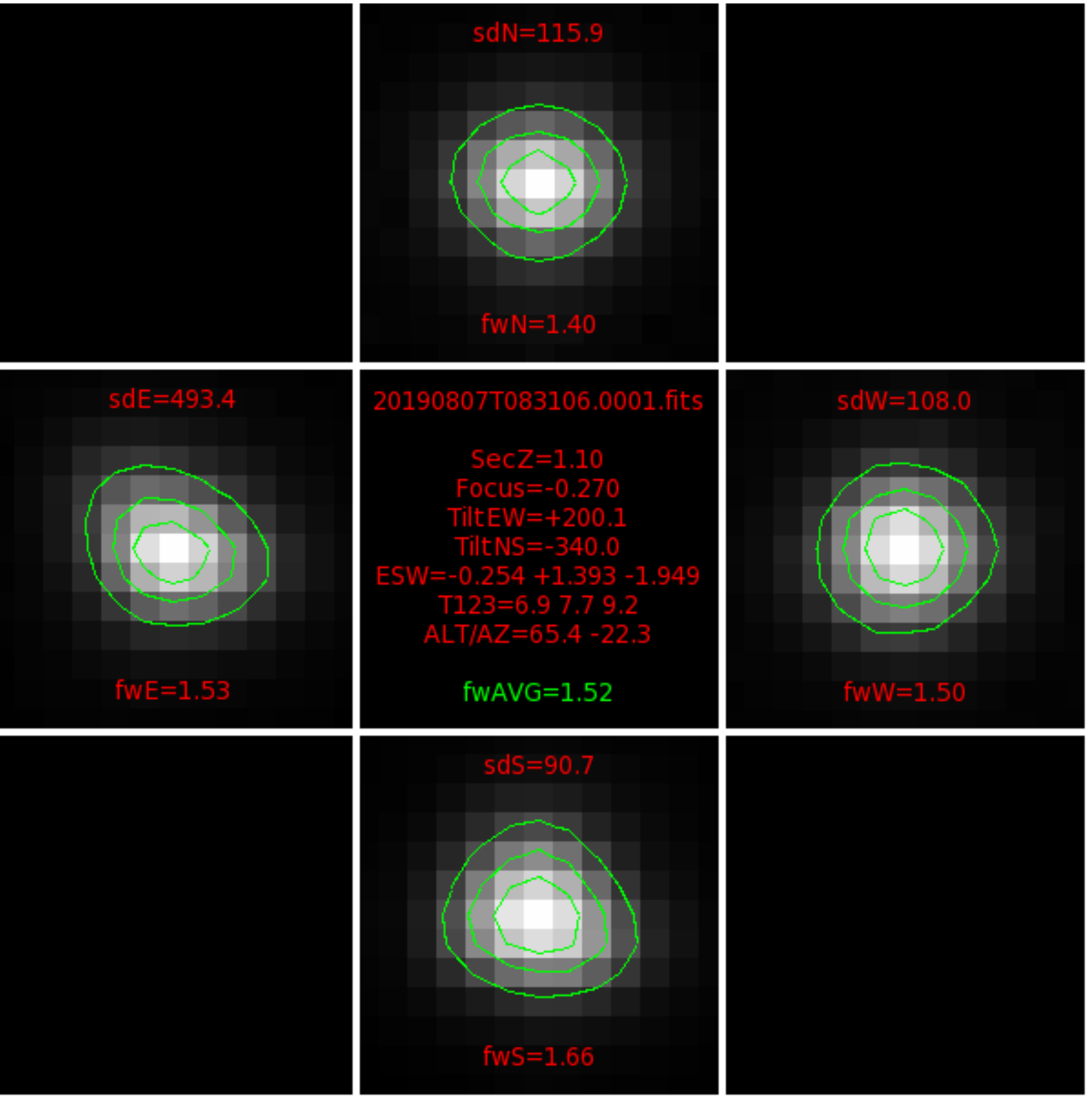
sdN=115.9
fwN=1.40
sdE=493.4
fwE=1.53
20190807T083106.0001.fits
SecZ=1.10
Focus=-0.270
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.254 +1.393 -1.949
T123=6.9 7.7 9.2
ALT/AZ=65.4 -22.3
fwAVG=1.52
sdW=108.0
fwW=1.50
sdS=90.7
fwS=1.66
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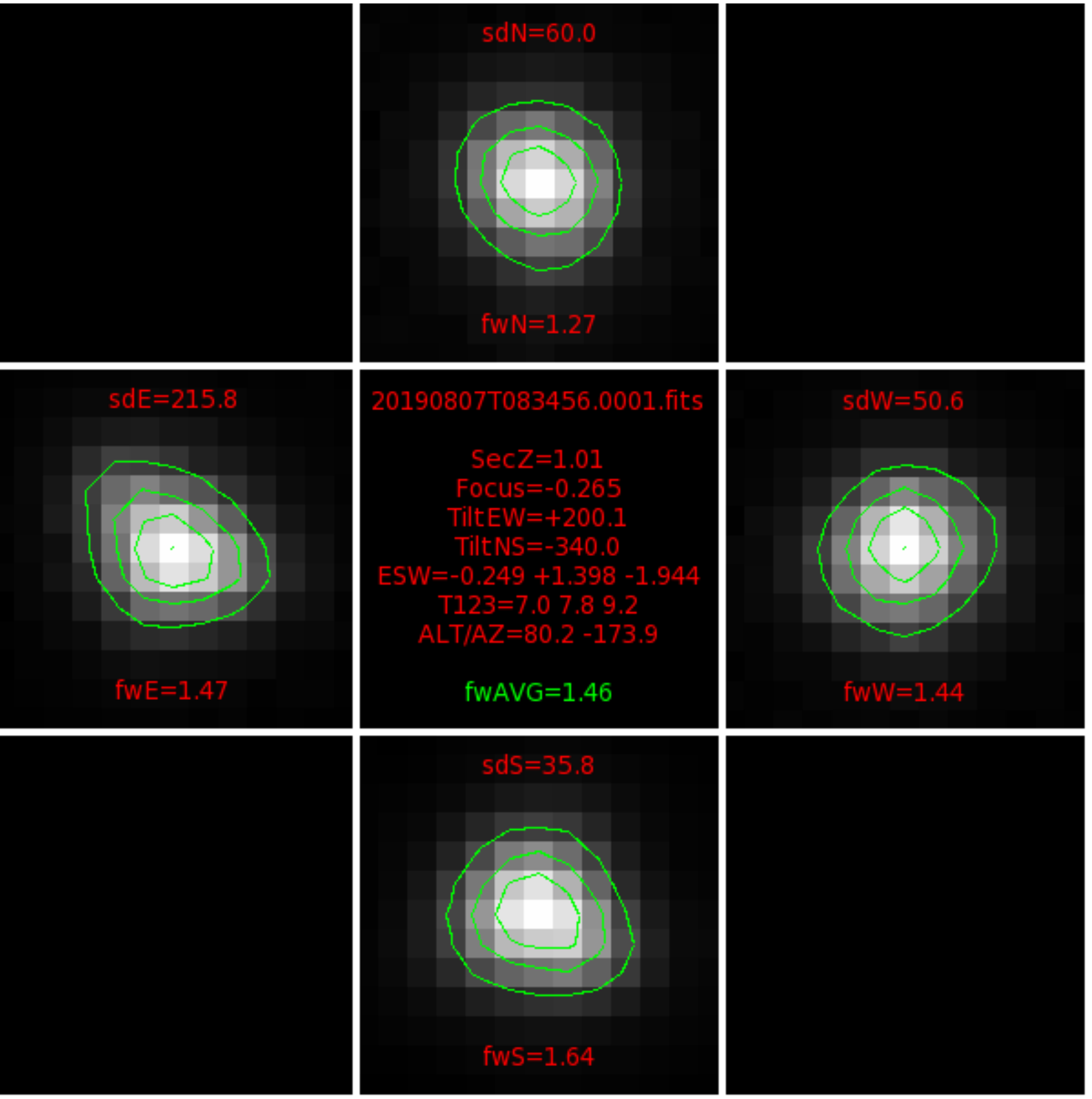
sdN=60.0
fwN=1.27
sdE=215.8
fwE=1.47
20190807T083456.0001.fits
SecZ=1.01
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.8 9.2
ALT/AZ=80.2 -173.9
fwAVG=1.46
sdW=50.6
fwW=1.44
sdS=35.8
fwS=1.64
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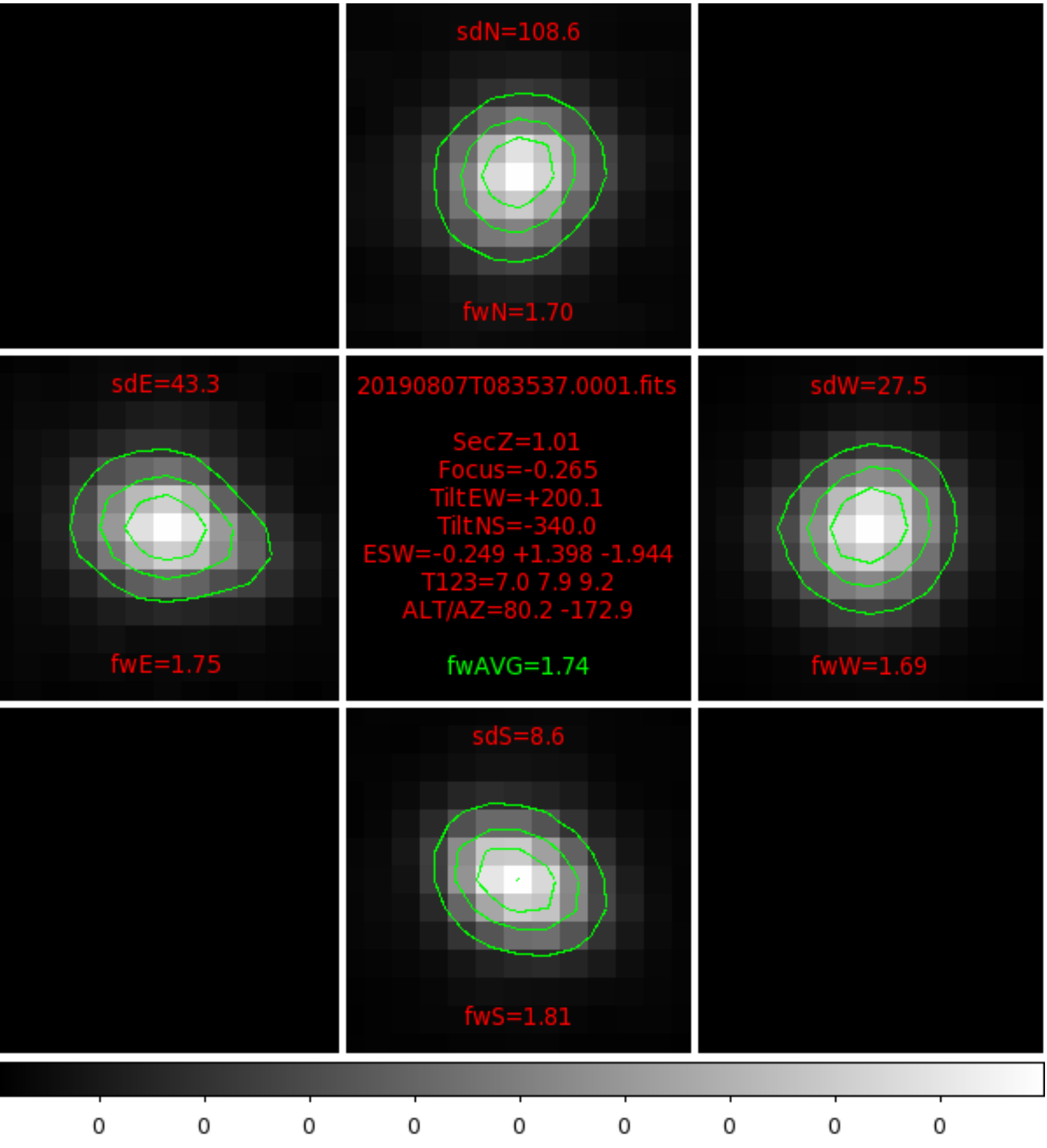
sdN=108.6
fwN=1.70
sdE=43.3
fwE=1.75
20190807T083537.0001.fits
SecZ=1.01
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.9 9.2
ALT/AZ=80.2 -172.9
fwAVG=1.74
sdW=27.5
fwW=1.69
sdS=8.6
fwS=1.81
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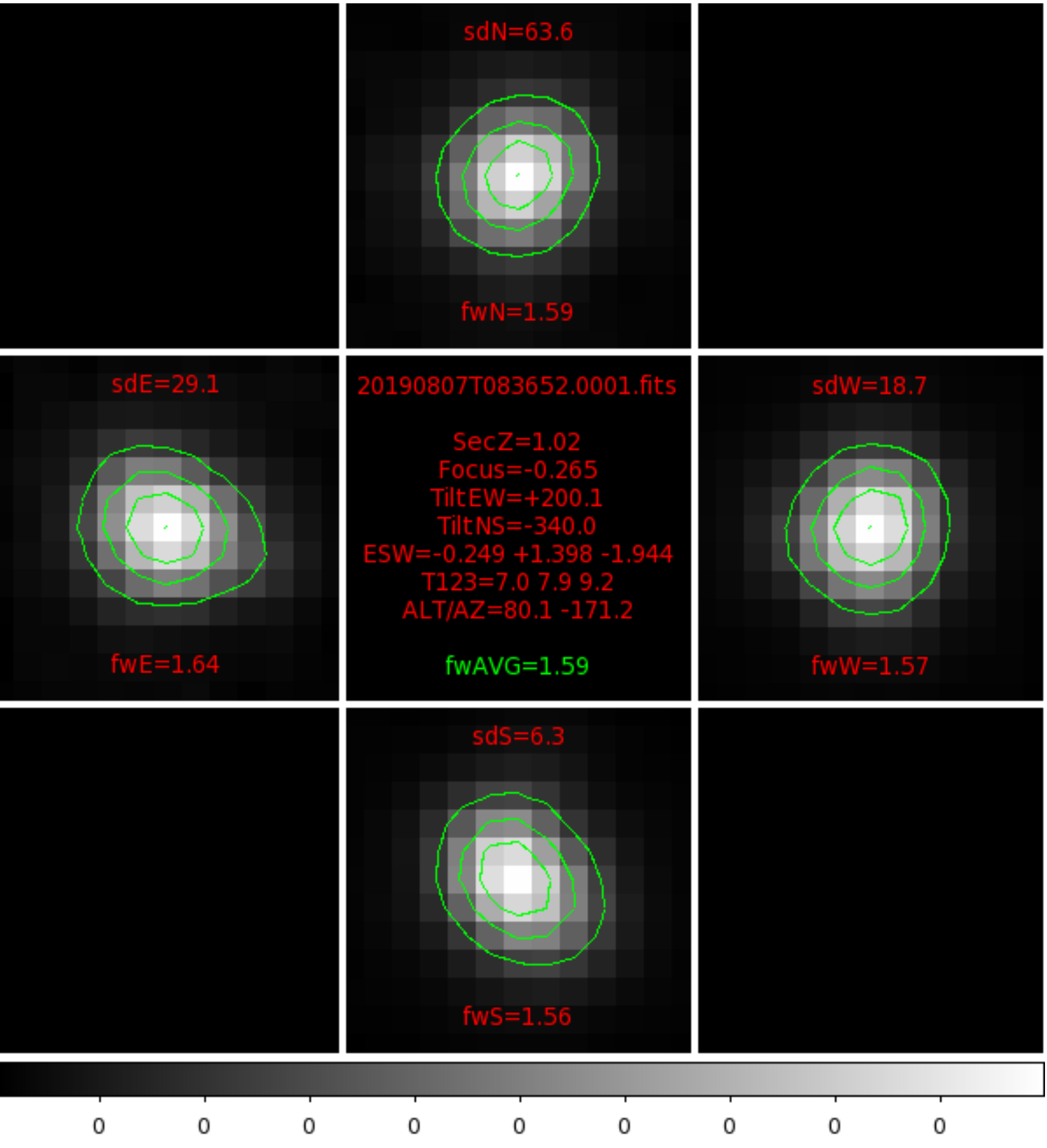
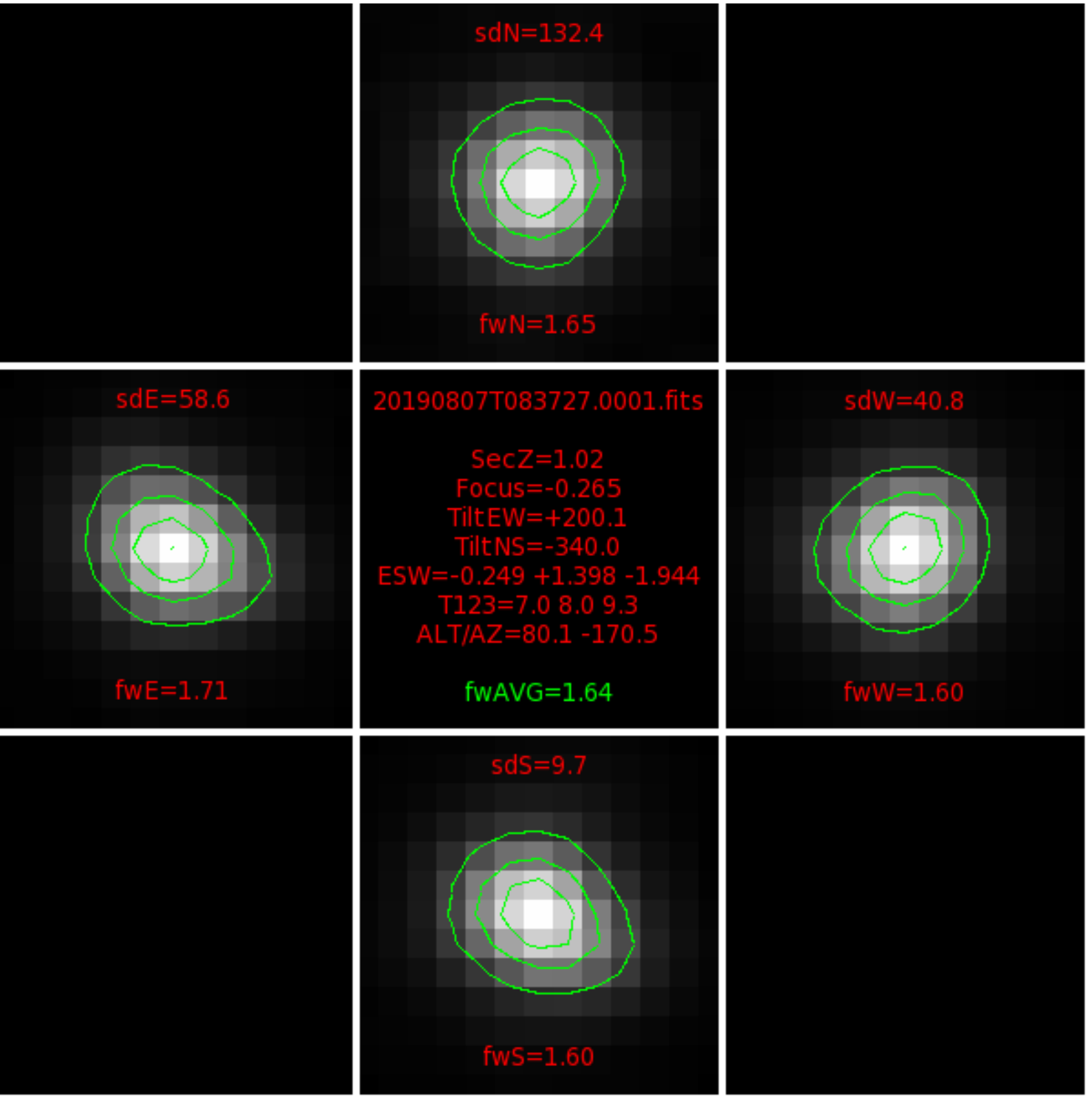

sdN=63.6
fwN=1.59
sdE=29.1
fwE=1.64
20190807T083652.0001.fits
SecZ=1.02
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.9 9.2
ALT/AZ=80.1 -171.2
fwAVG=1.59
sdW=18.7
fwW=1.57
sdS=6.3
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=132.4
fwN=1.65
sdE=58.6
fwE=1.71
20190807T083727.0001.fits
SecZ=1.02
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 8.0 9.3
ALT/AZ=80.1 -170.5
fwAVG=1.64
sdW=40.8
fwW=1.60
sdS=9.7
fwS=1.60
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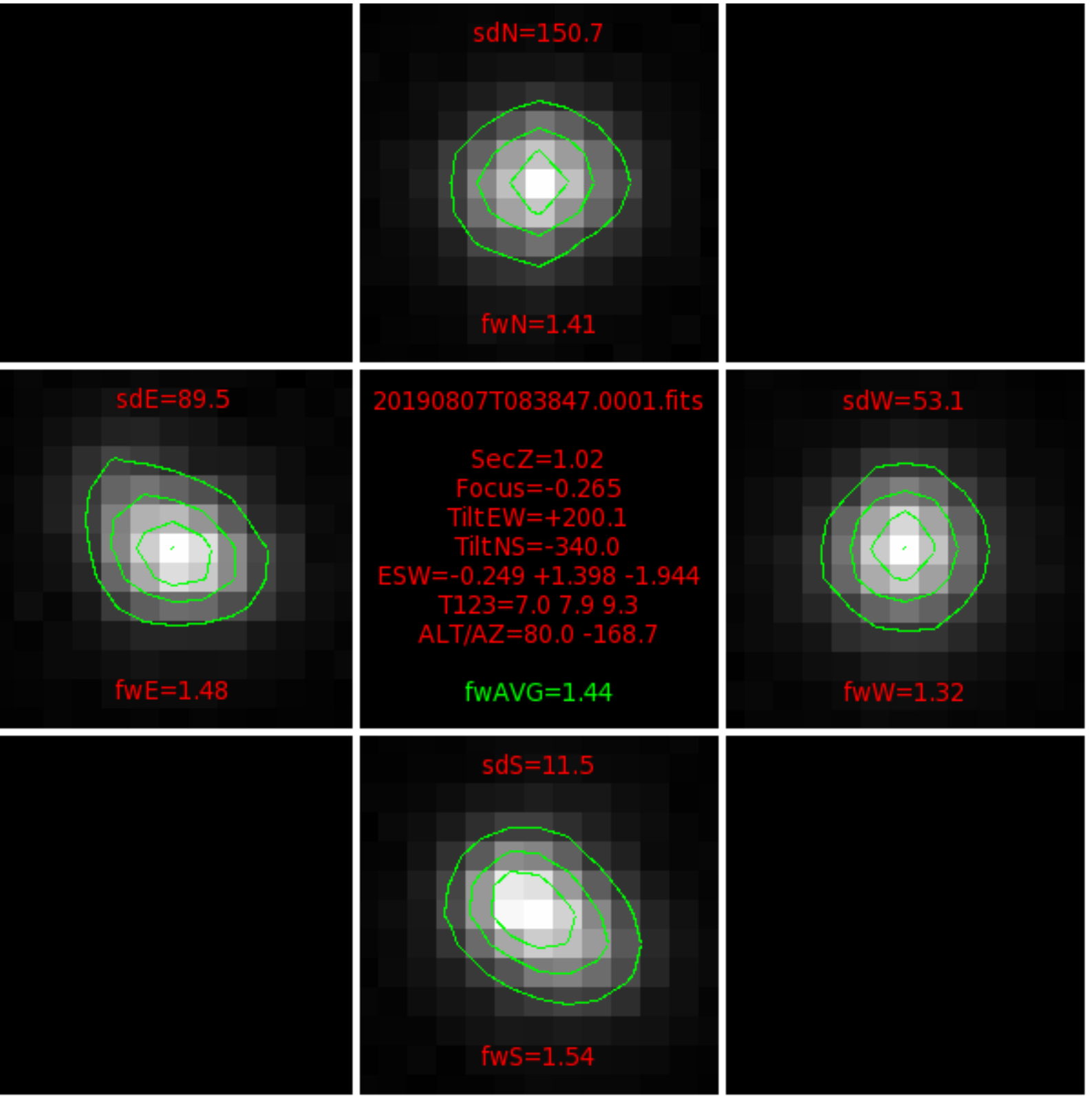
sdN=150.7
fwN=1.41
sdE=89.5
fwE=1.48
20190807T083847.0001.fits
SecZ=1.02
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.9 9.3
ALT/AZ=80.0 -168.7
fwAVG=1.44
sdW=53.1
fwW=1.32
sdS=11.5
fwS=1.54
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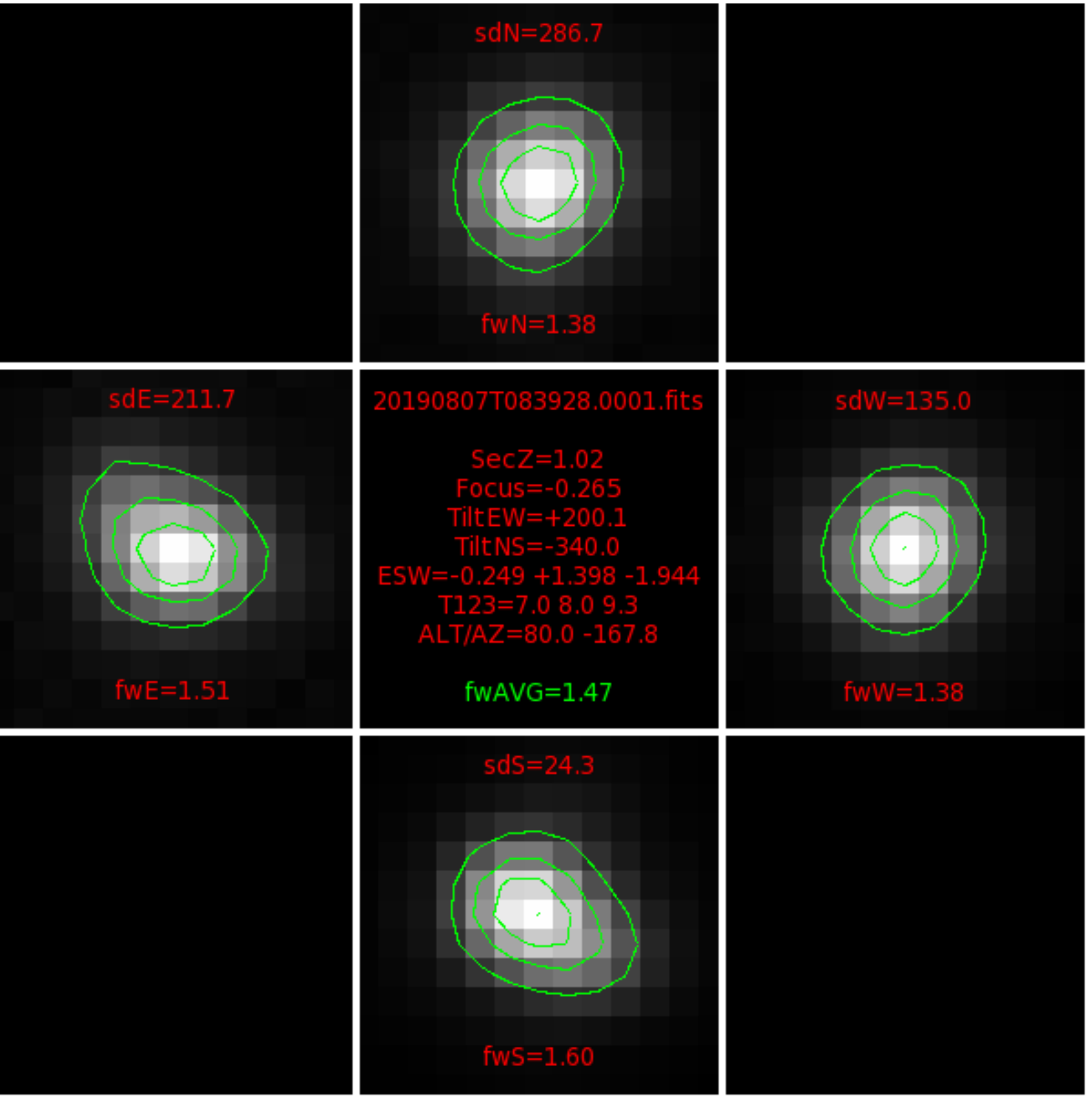
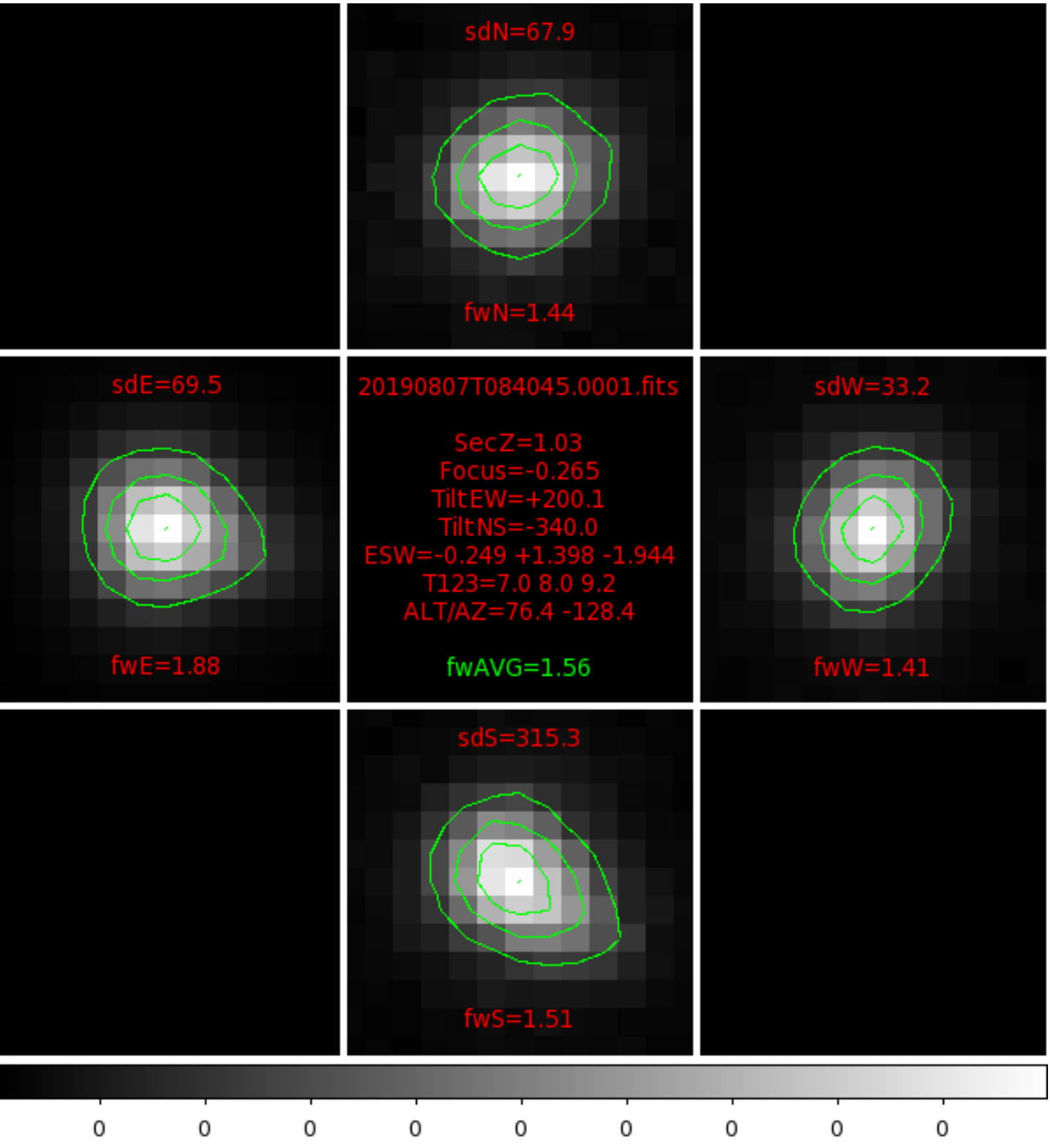

sdN=286.7
fwN=1.38
sdE=211.7
fwE=1.51
20190807T083928.0001.fits
SecZ=1.02
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 8.0 9.3
ALT/AZ=80.0 -167.8
fwAVG=1.47
sdW=135.0
fwW=1.38
sdS=24.3
fwS=1.60
0 0 0 0 0 0 0 0 0


sdN=67.9
fwN=1.44
sdE=69.5
fwE=1.88
20190807T084045.0001.fits
SecZ=1.03
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 8.0 9.2
ALT/AZ=76.4 -128.4
fwAVG=1.56
sdW=33.2
fwW=1.41
sdS=315.3
fwS=1.51
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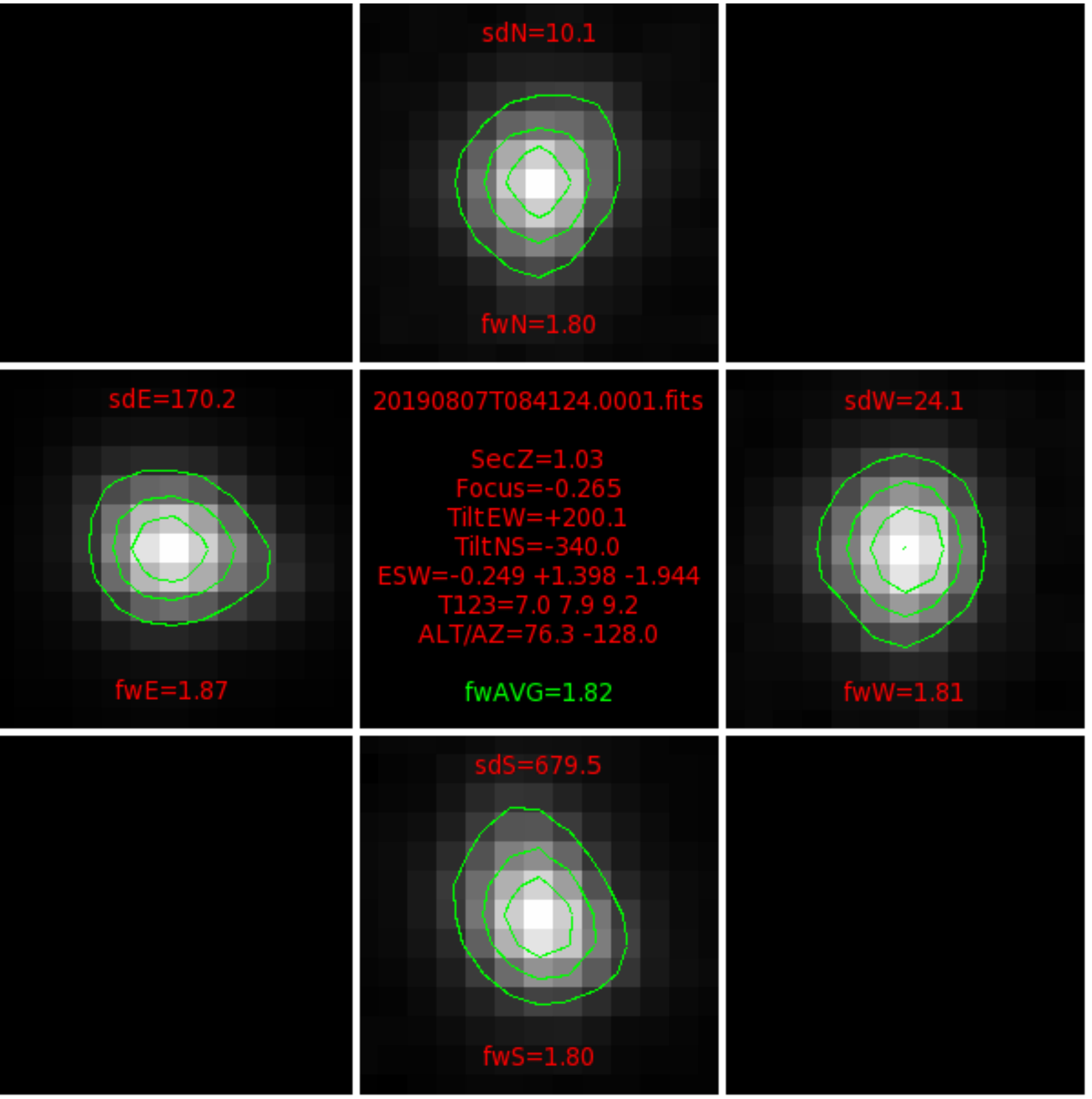
sdN=10.1
fwN=1.80
sdE=170.2
fwE=1.87
20190807T084124.0001.fits
SecZ=1.03
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.9 9.2
ALT/AZ=76.3 -128.0
fwAVG=1.82
sdW=24.1
fwW=1.81
sdS=679.5
fwS=1.80
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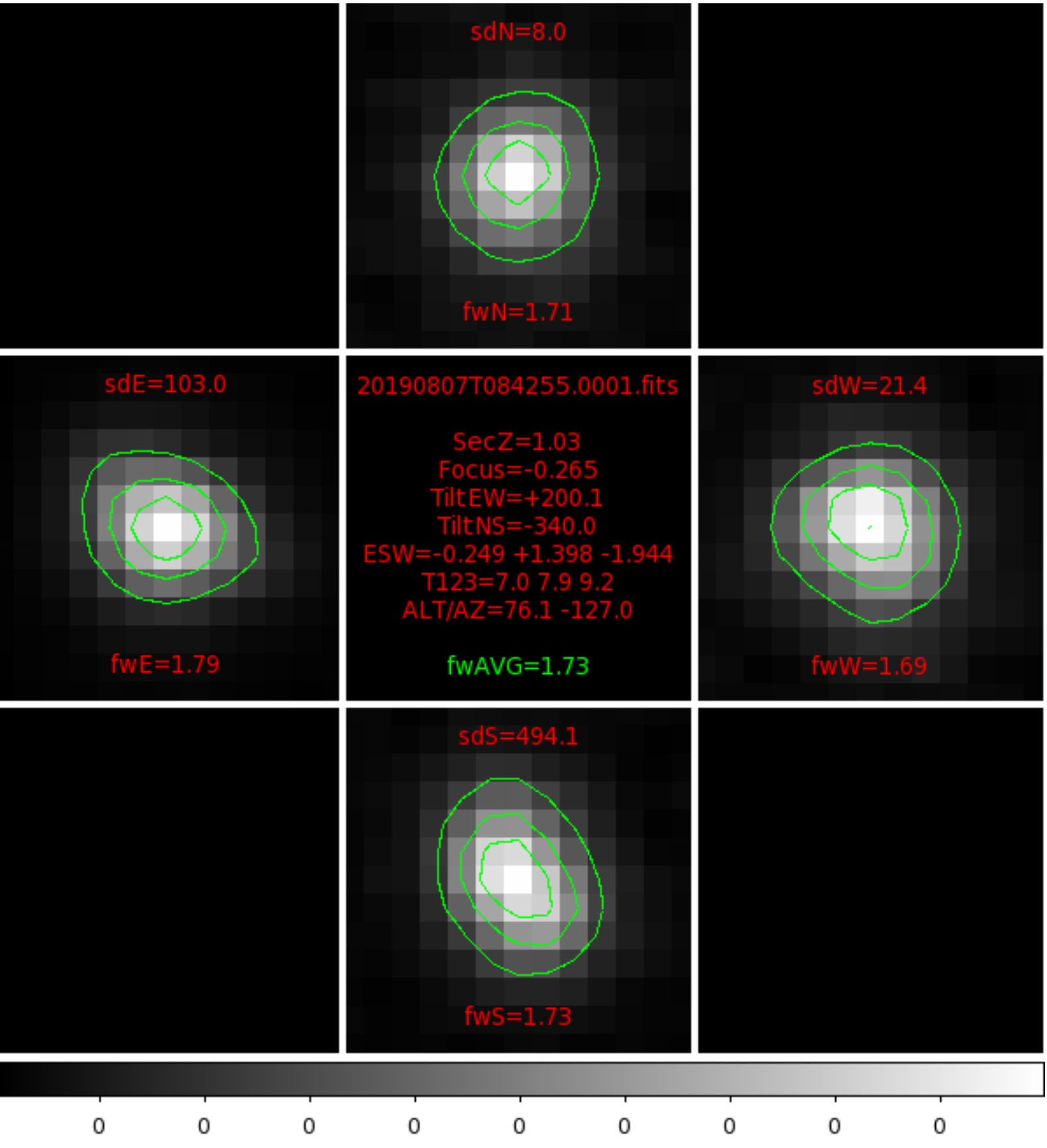
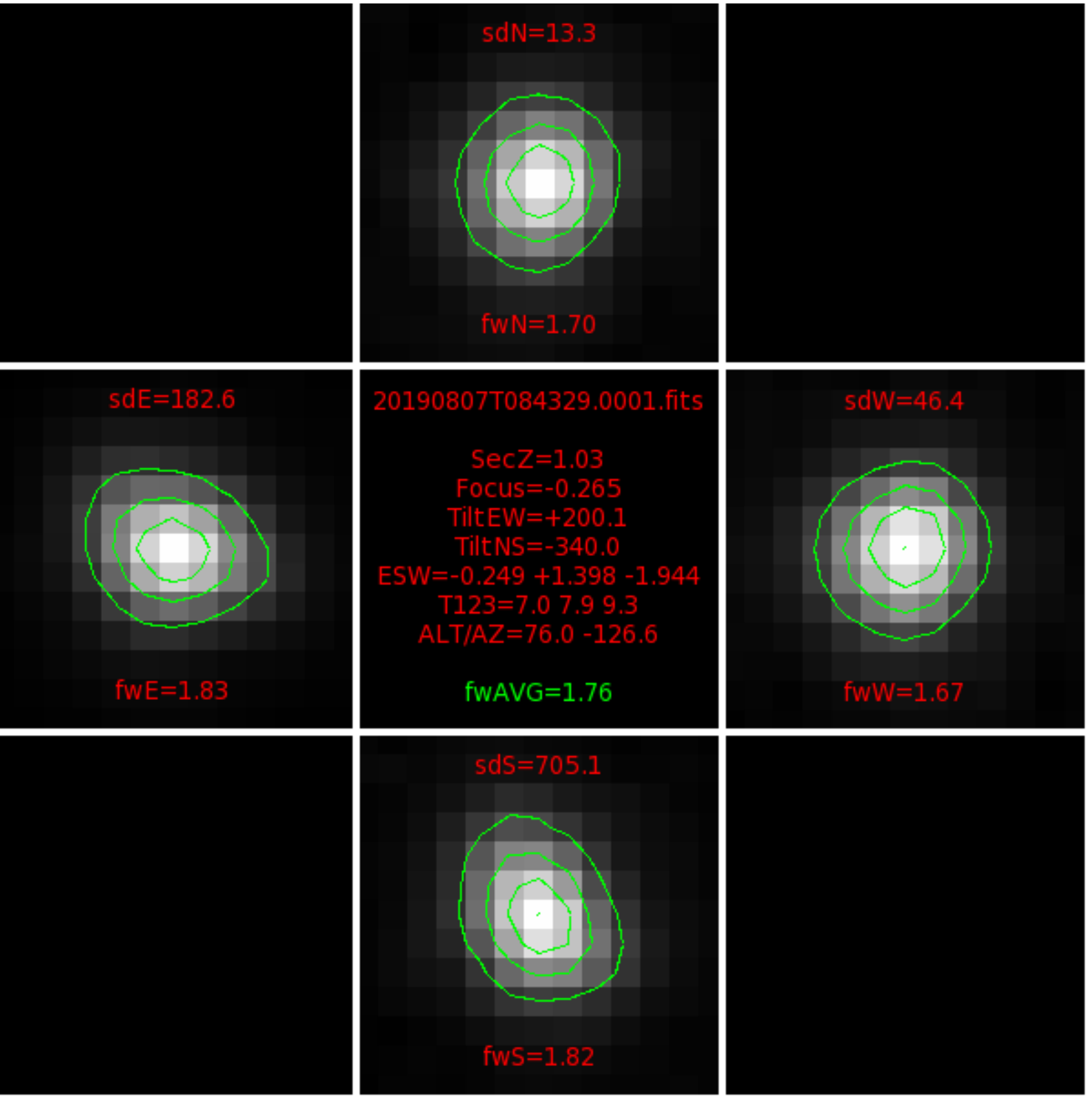

sdN=8.0
fwN=1.71
sdE=103.0
fwE=1.79
20190807T084255.0001.fits
SecZ=1.03
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.9 9.2
ALT/AZ=76.1 -127.0
fwAVG=1.73
sdW=21.4
fwW=1.69
sdS=494.1
fwS=1.73
0 0 0 0 0 0 0 0 0


sdN=13.3
fwN=1.70
sdE=182.6
fwE=1.83
20190807T084329.0001.fits
SecZ=1.03
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.9 9.3
ALT/AZ=76.0 -126.6
fwAVG=1.76
sdW=46.4
fwW=1.67
sdS=705.1
fwS=1.82
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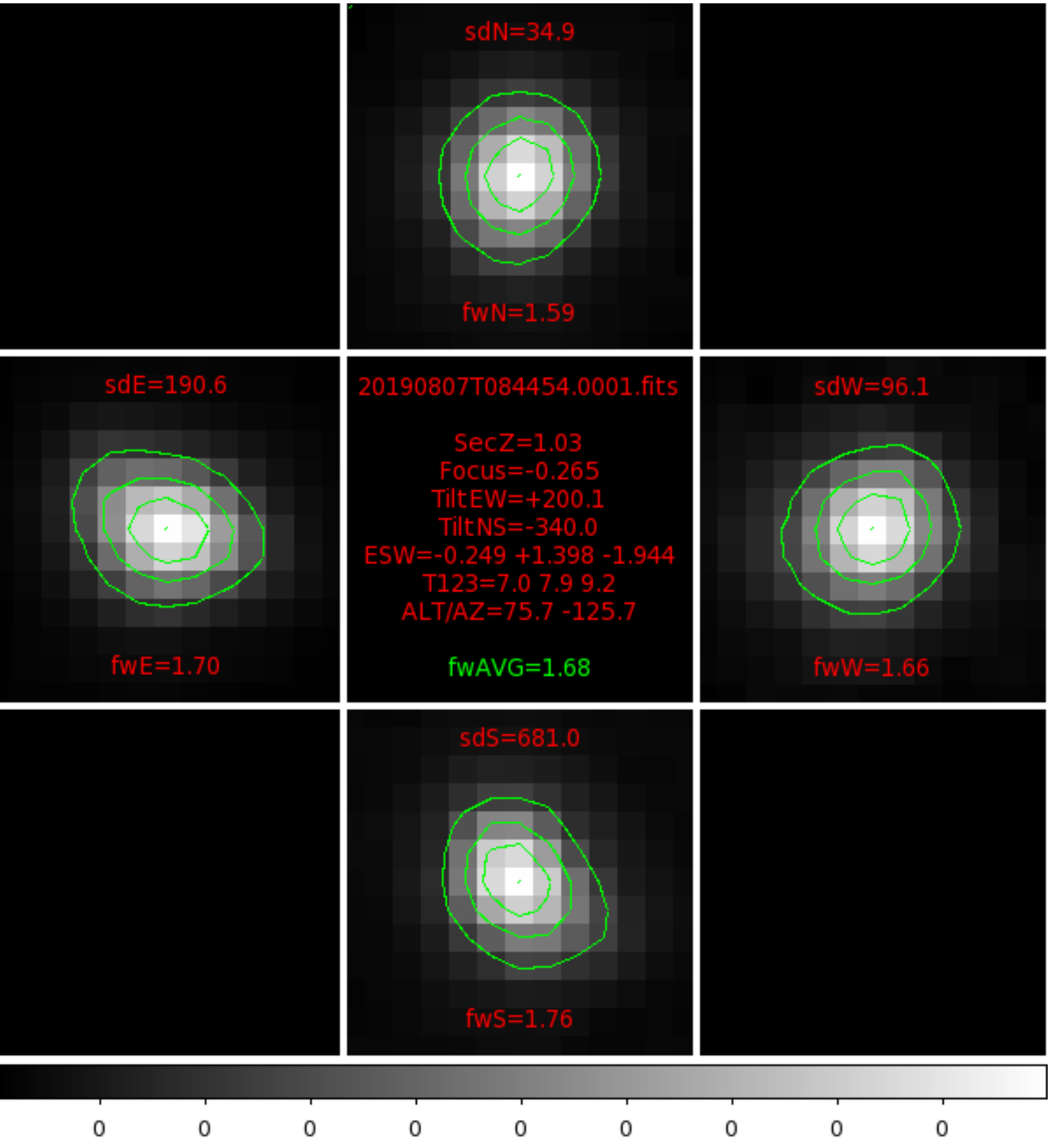
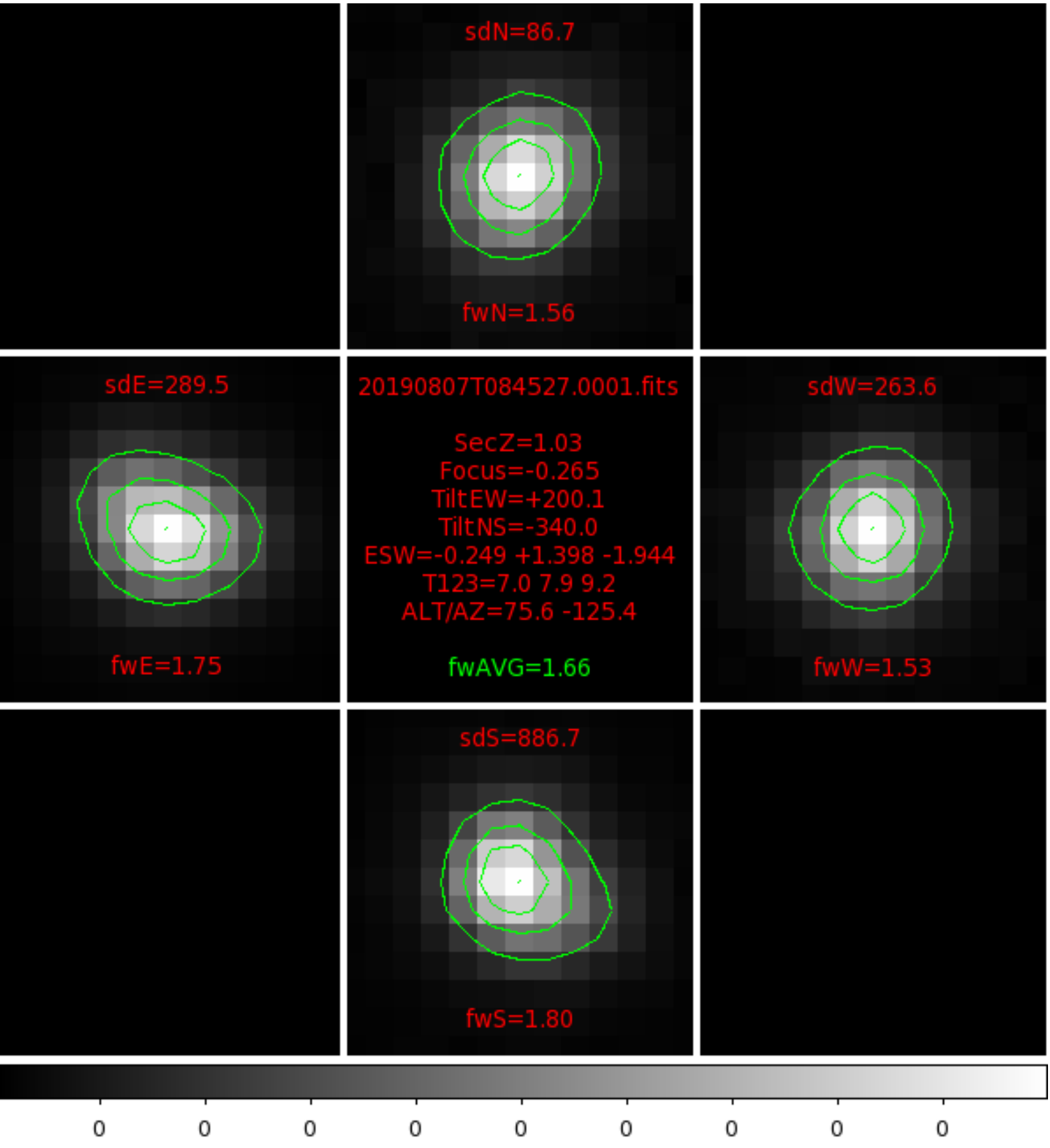
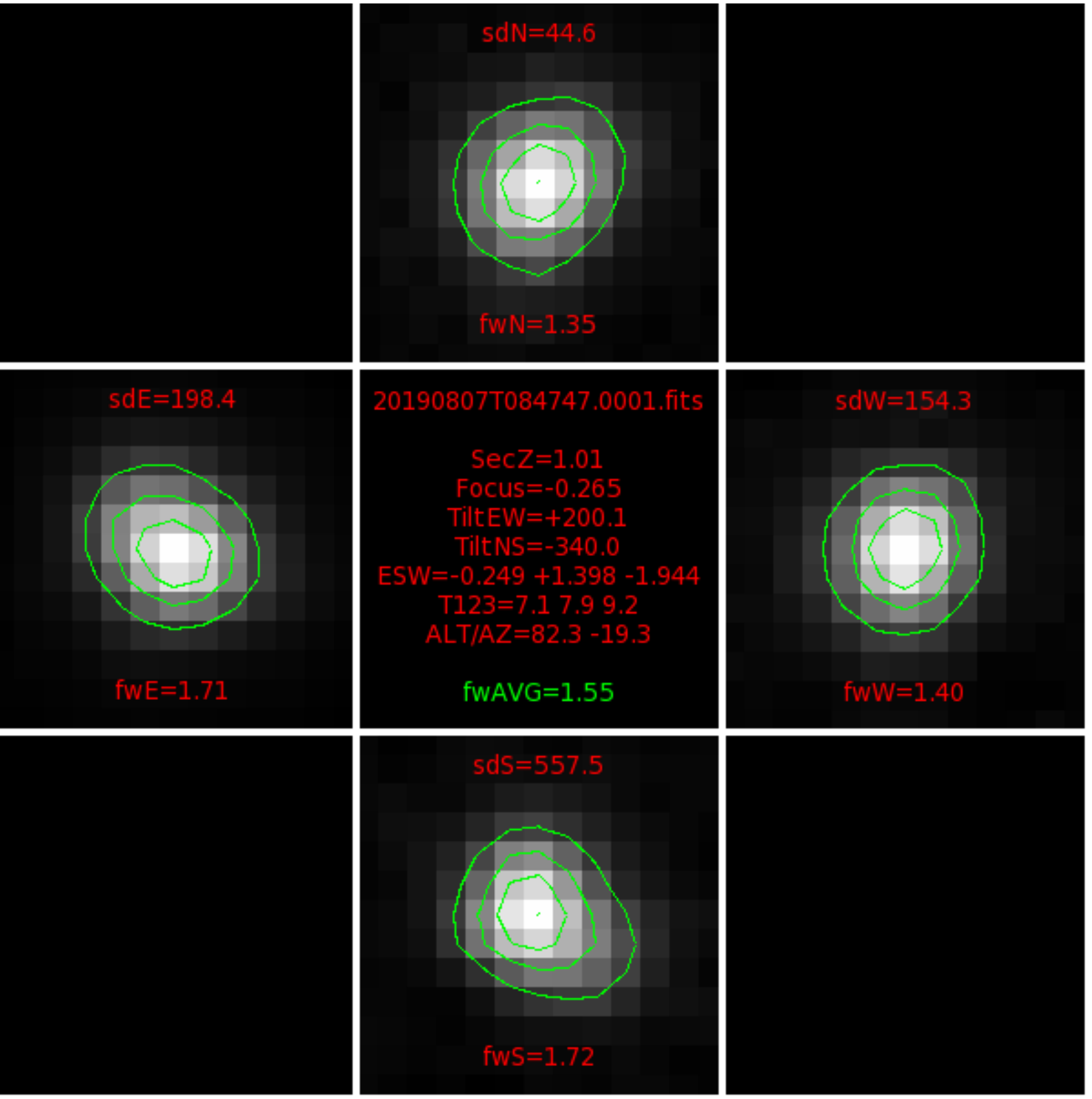
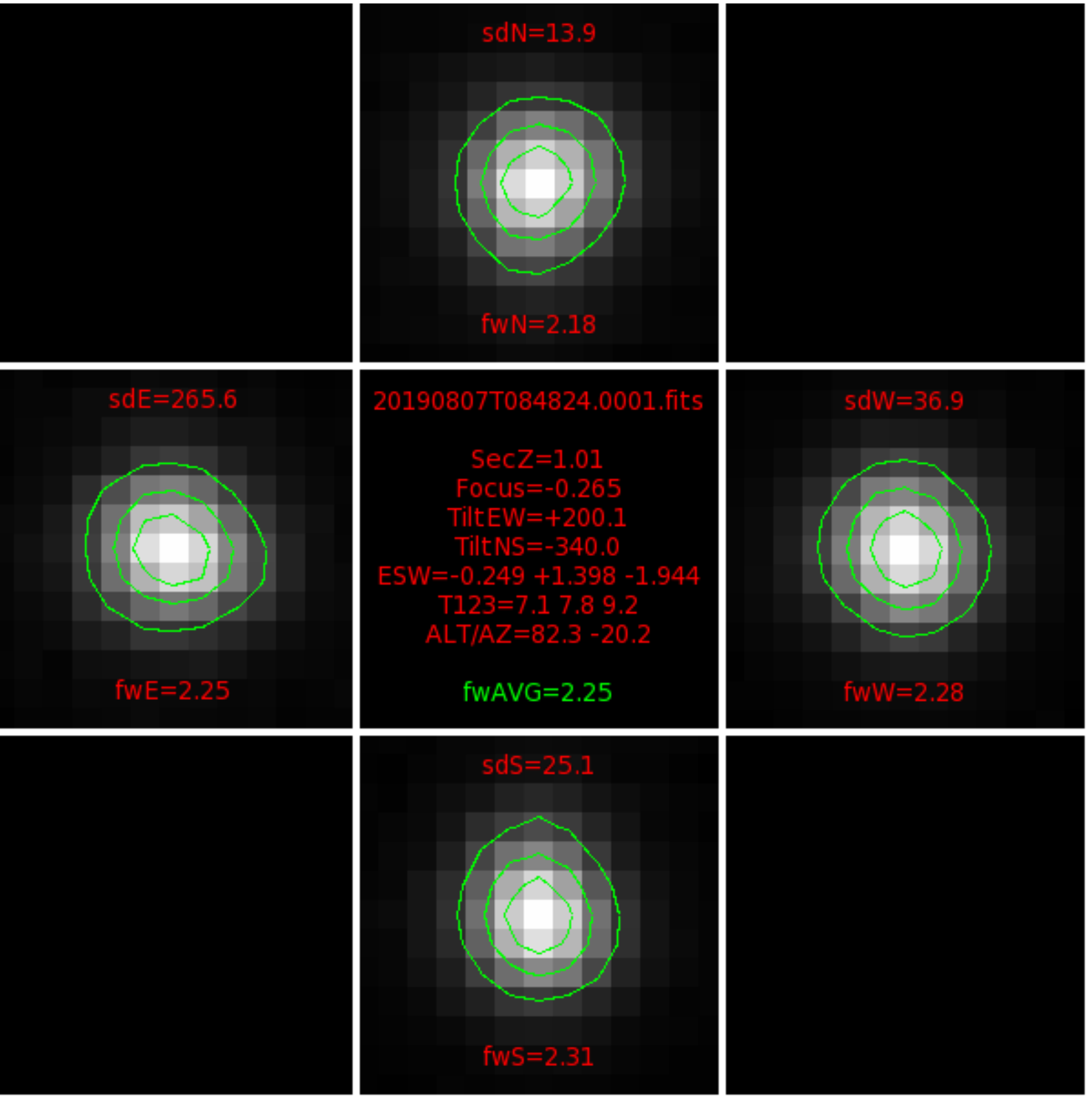
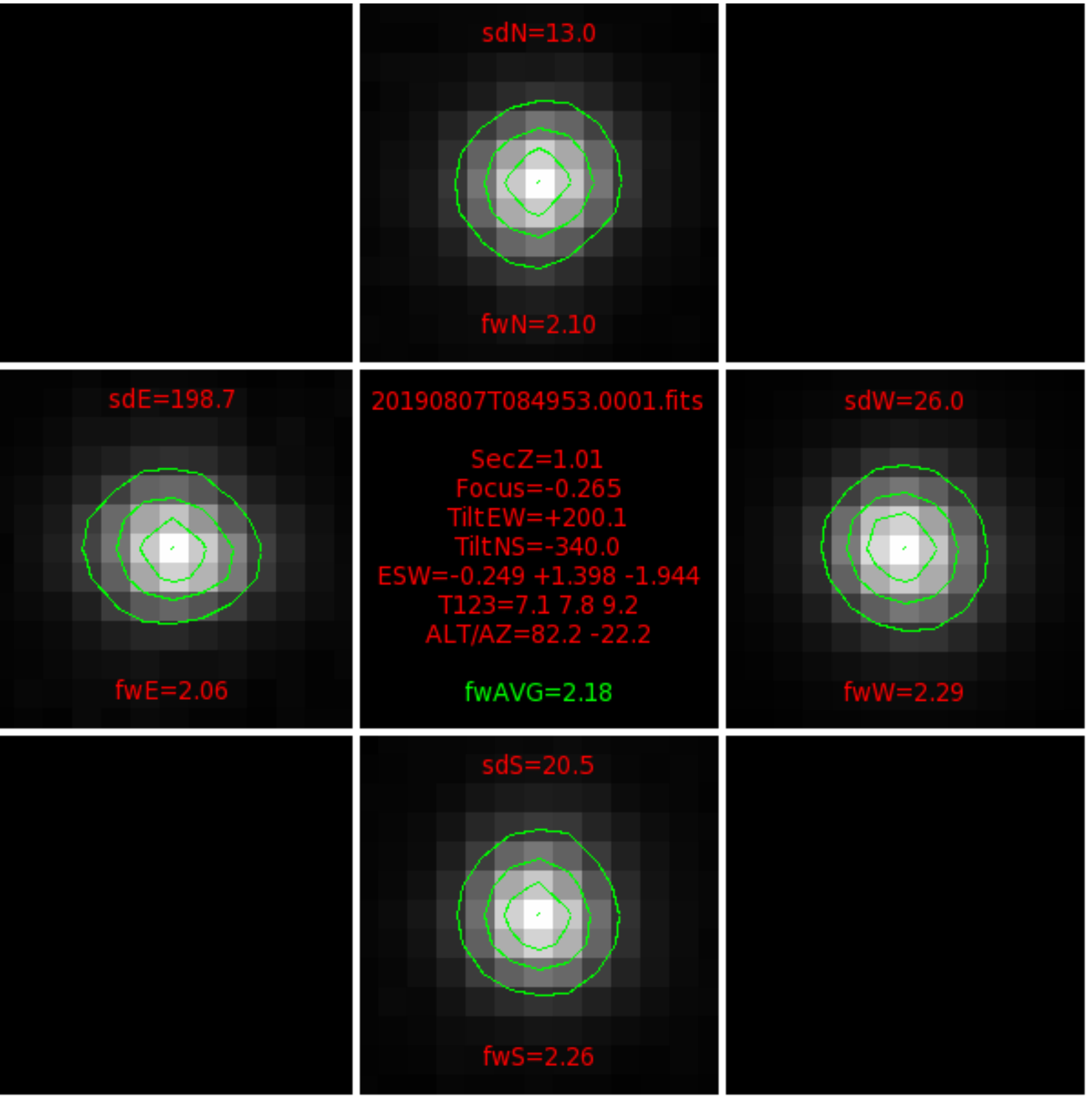
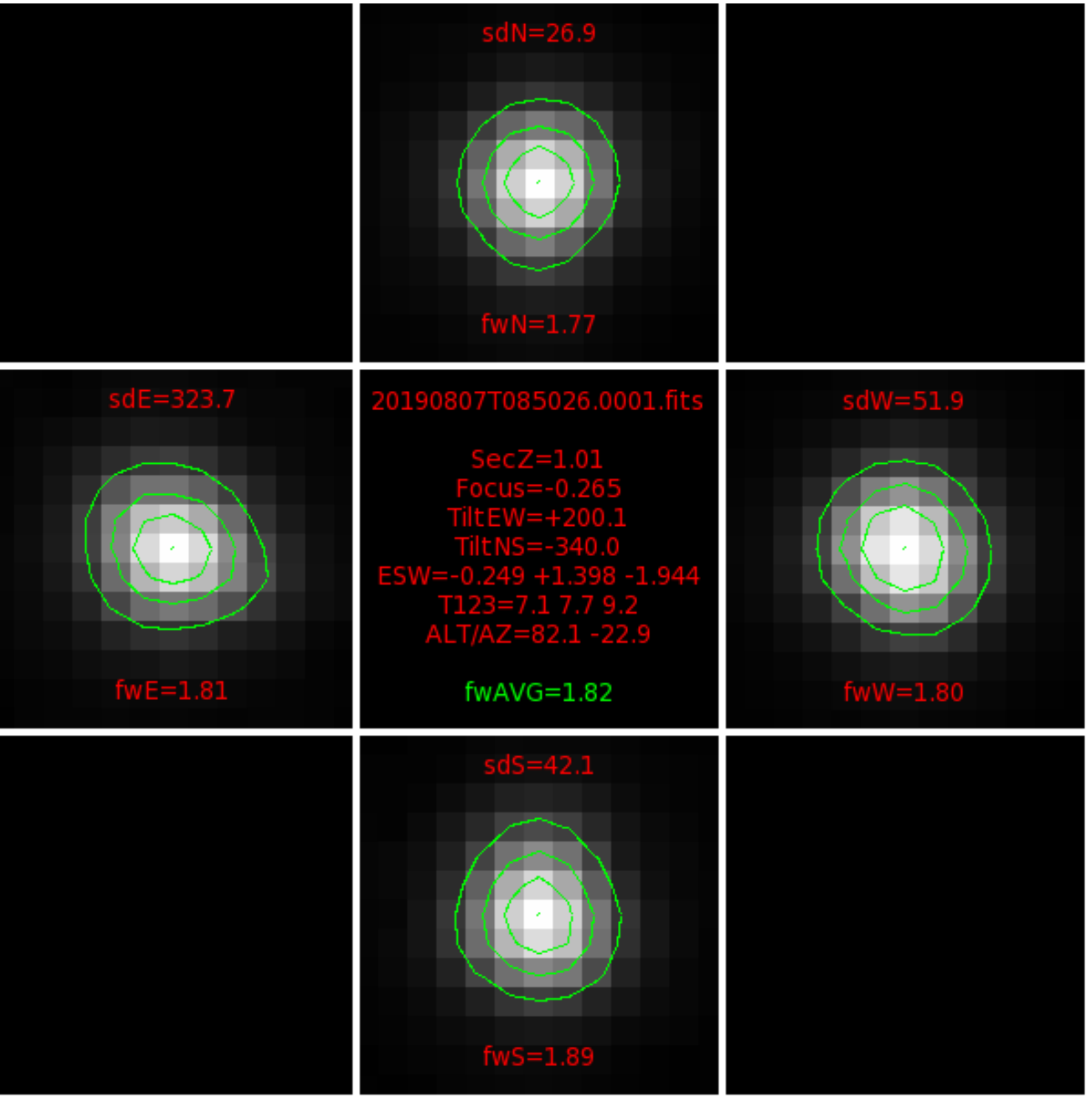

sdN=34.9
fwN=1.59
sdE=190.6
fwE=1.70
20190807T084454.0001.fits
SecZ=1.03
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.9 9.2
ALT/AZ=75.7 -125.7
fwAVG=1.68
sdW=96.1
fwW=1.66
sdS=681.0
fwS=1.76
0 0 0 0 0 0 0 0 0


sdN=86.7
fwN=1.56
sdE=289.5
fwE=1.75
20190807T084527.0001.fits
SecZ=1.03
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.9 9.2
ALT/AZ=75.6 -125.4
fwAVG=1.66
sdW=263.6
fwW=1.53
sdS=886.7
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=44.6
fwN=1.35
sdE=198.4
fwE=1.71
20190807T084747.0001.fits
SecZ=1.01
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.9 9.2
ALT/AZ=82.3 -19.3
fwAVG=1.55
sdW=154.3
fwW=1.40
sdS=557.5
fwS=1.72
0 0 0 0 0 0 0 0 0


sdN=13.9
fwN=2.18
sdE=265.6
fwE=2.25
20190807T084824.0001.fits
SecZ=1.01
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.2
ALT/AZ=82.3 -20.2
fwAVG=2.25
sdW=36.9
fwW=2.28
sdS=25.1
fwS=2.31
0 0 0 0 0 0 0 0 0


sdN=13.0
fwN=2.10
sdE=198.7
fwE=2.06
20190807T084953.0001.fits
SecZ=1.01
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.2
ALT/AZ=82.2 -22.2
fwAVG=2.18
sdW=26.0
fwW=2.29
sdS=20.5
fwS=2.26
0 0 0 0 0 0 0 0 0


sdN=26.9
fwN=1.77
sdE=323.7
fwE=1.81
20190807T085026.0001.fits
SecZ=1.01
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.7 9.2
ALT/AZ=82.1 -22.9
fwAVG=1.82
sdW=51.9
fwW=1.80
sdS=42.1
fwS=1.89
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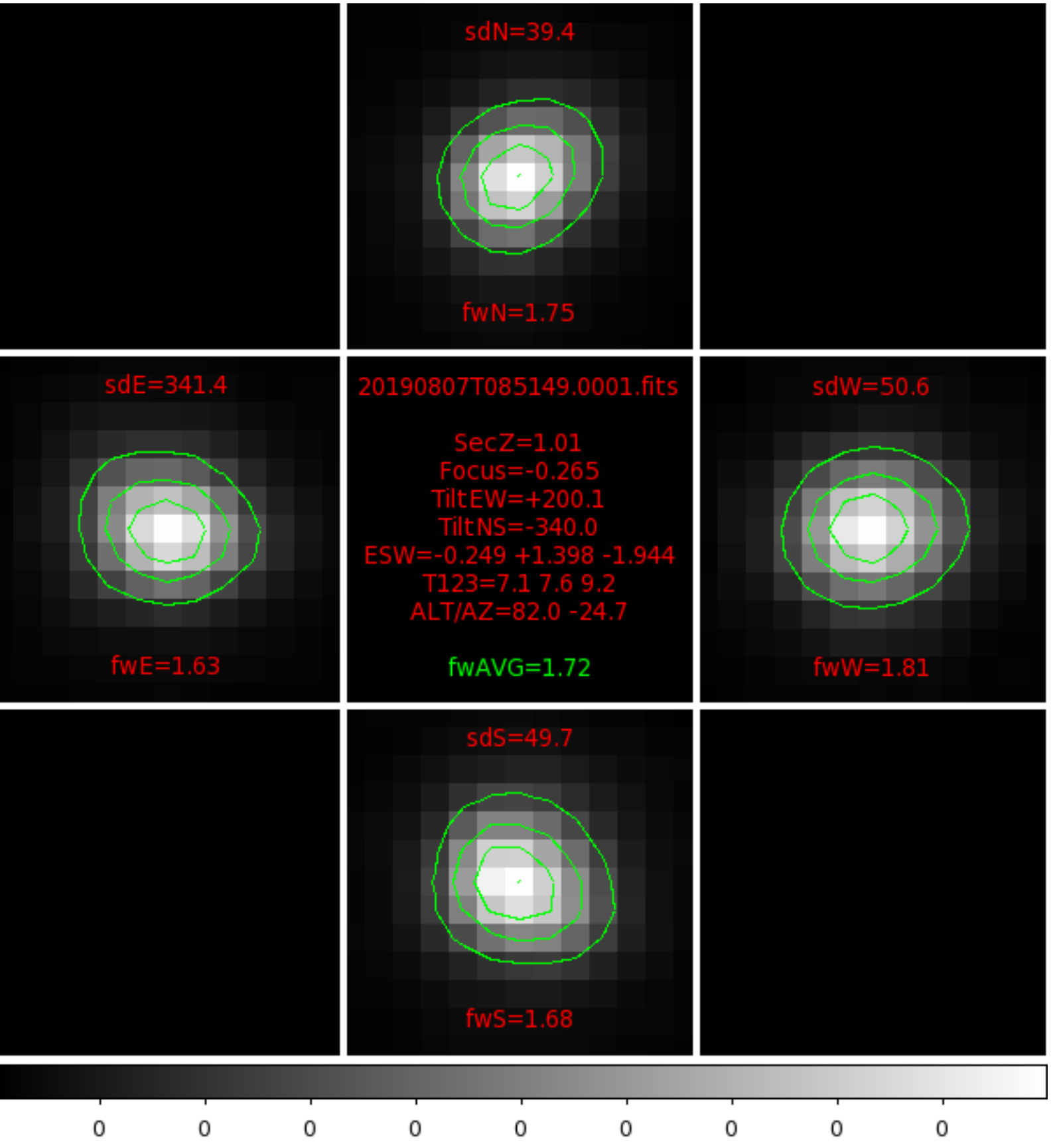
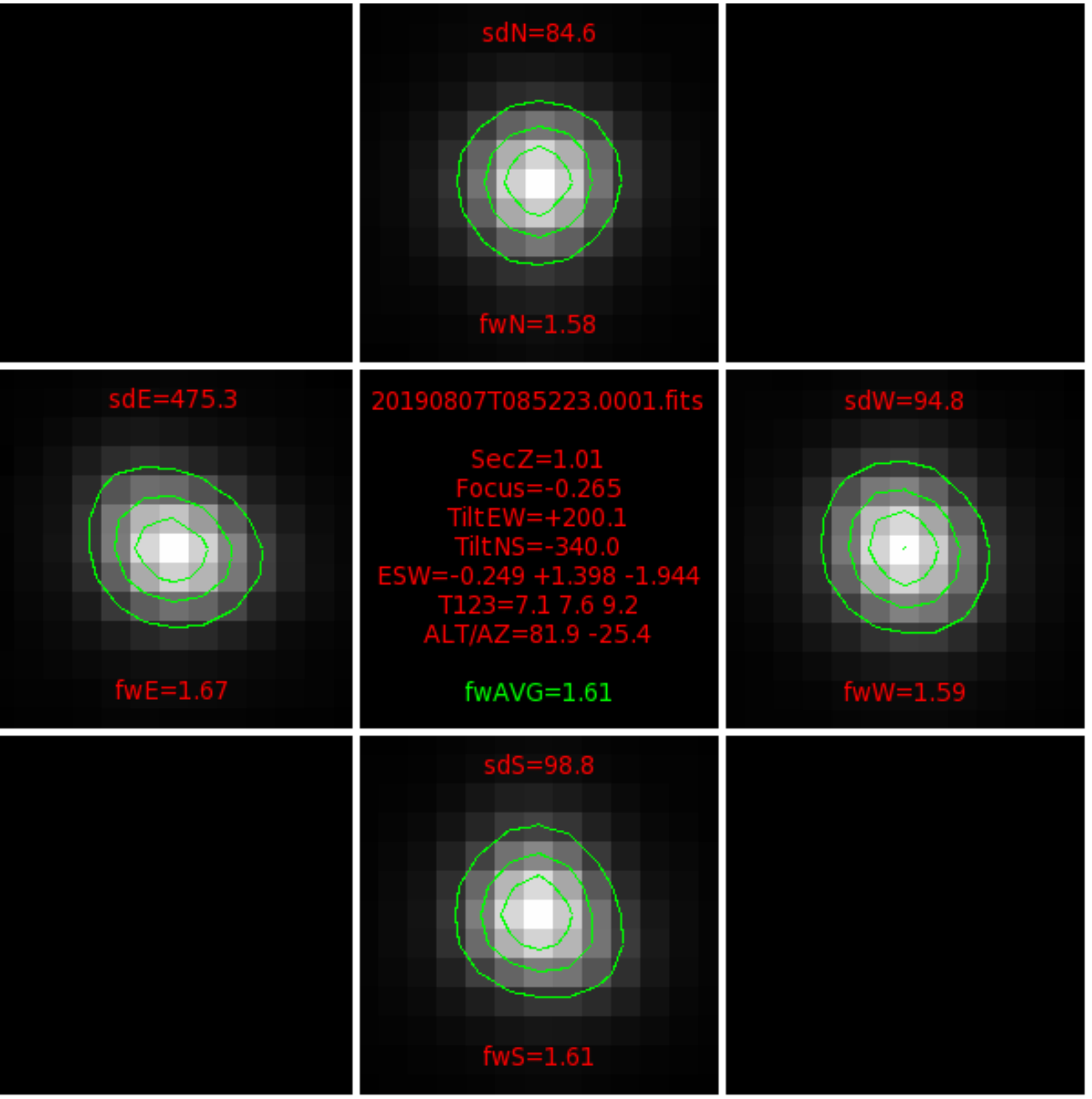
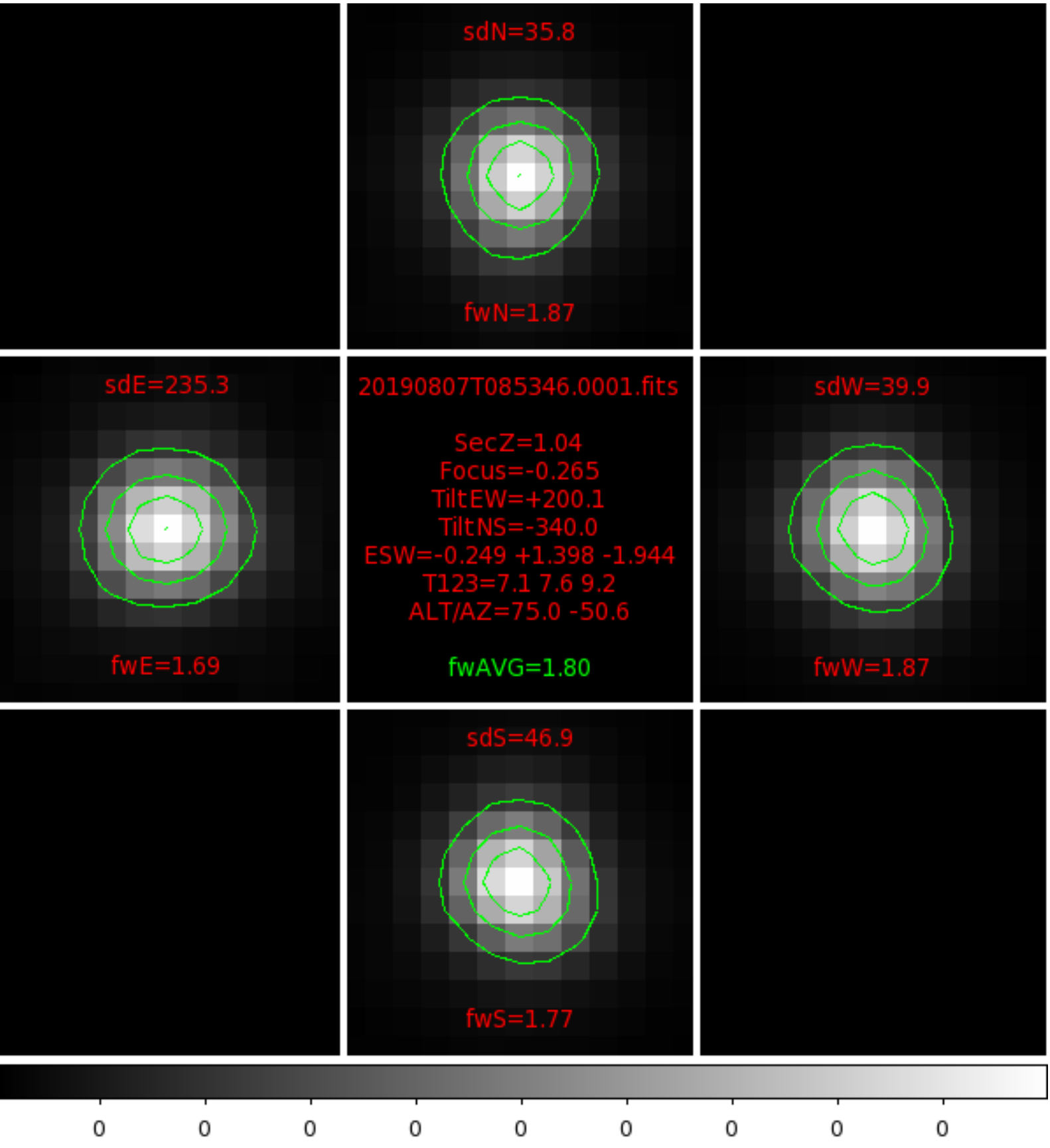

sdN=39.4
fwN=1.75
sdE=341.4
fwE=1.63
20190807T085149.0001.fits
SecZ=1.01
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.6 9.2
ALT/AZ=82.0 -24.7
fwAVG=1.72
sdW=50.6
fwW=1.81
sdS=49.7
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=84.6
fwN=1.58
sdE=475.3
fwE=1.67
20190807T085223.0001.fits
SecZ=1.01
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.6 9.2
ALT/AZ=81.9 -25.4
fwAVG=1.61
sdW=94.8
fwW=1.59
sdS=98.8
fwS=1.61
0 0 0 0 0 0 0 0 0


sdN=35.8
fwN=1.87
sdE=235.3
fwE=1.69
20190807T085346.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.6 9.2
ALT/AZ=75.0 -50.6
fwAVG=1.80
sdW=39.9
fwW=1.87
sdS=46.9
fwS=1.77
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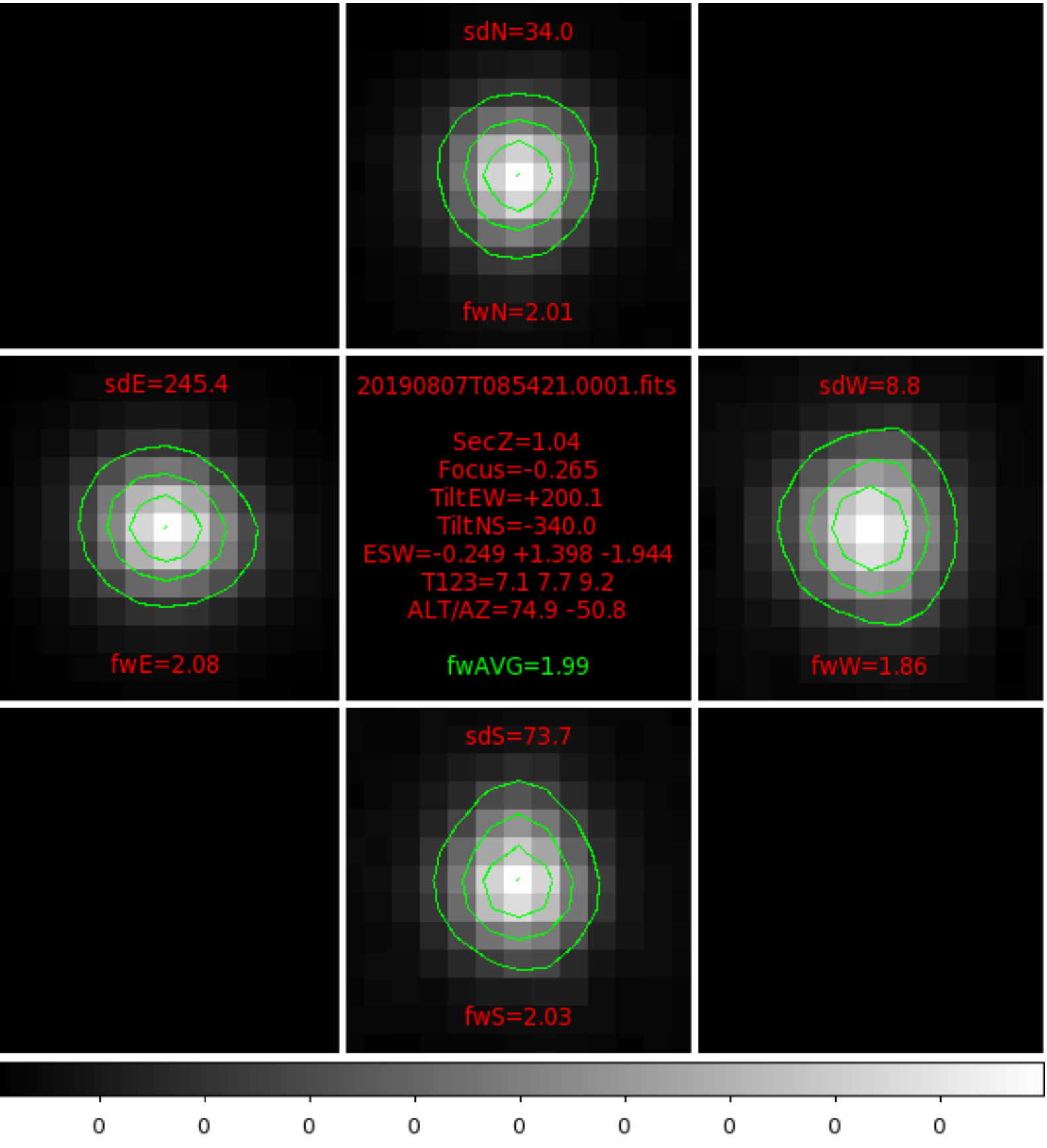
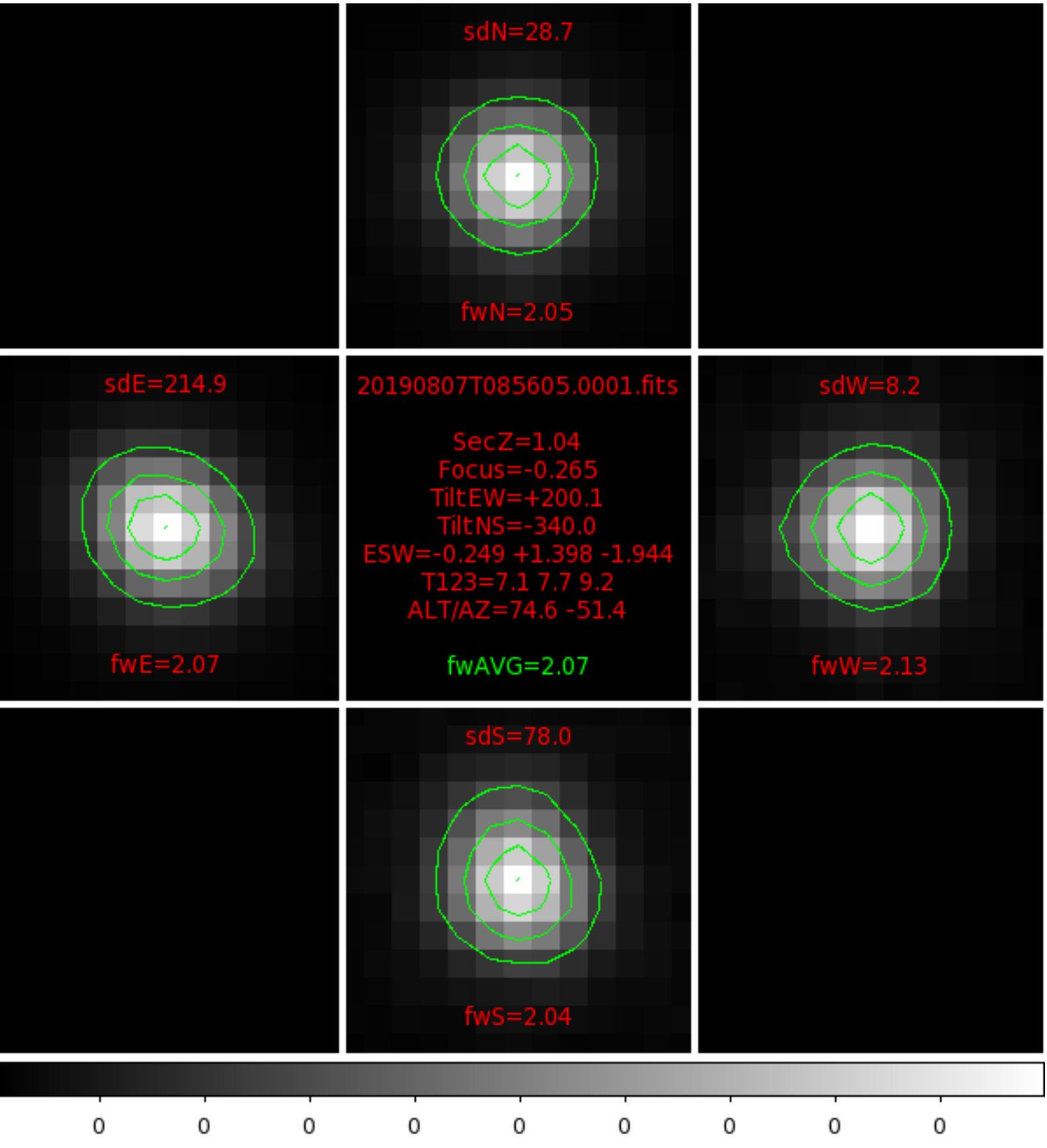
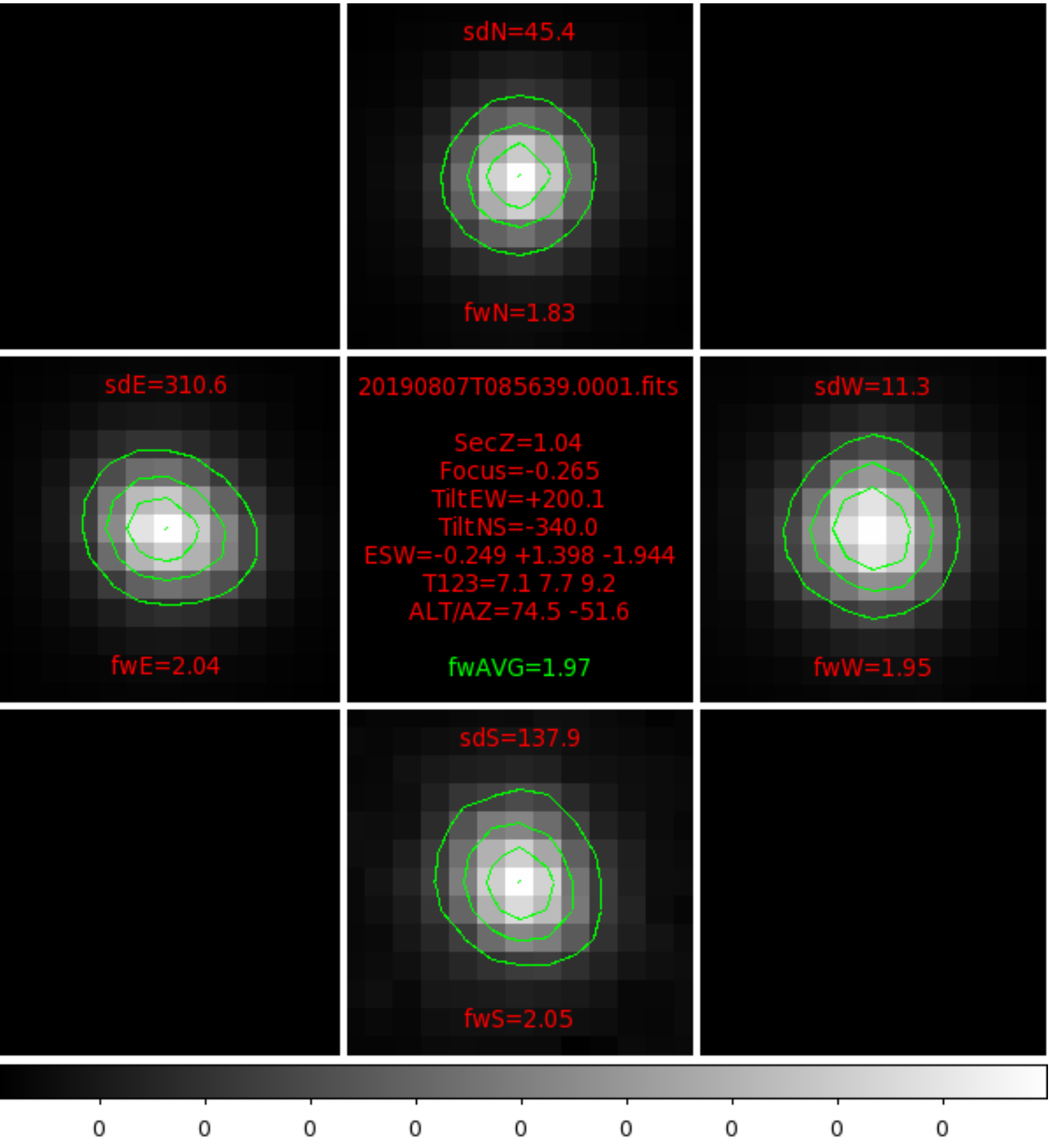
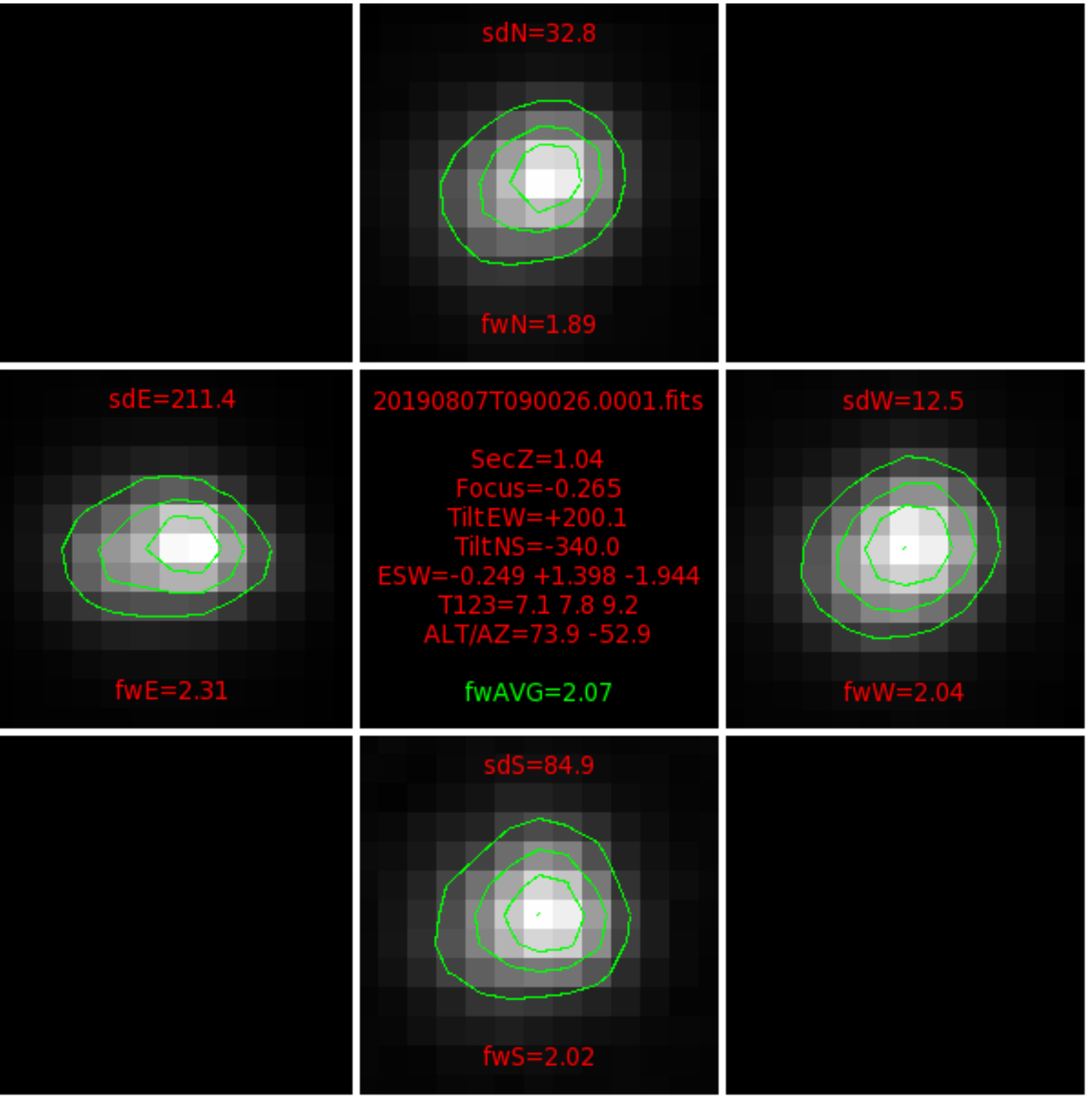
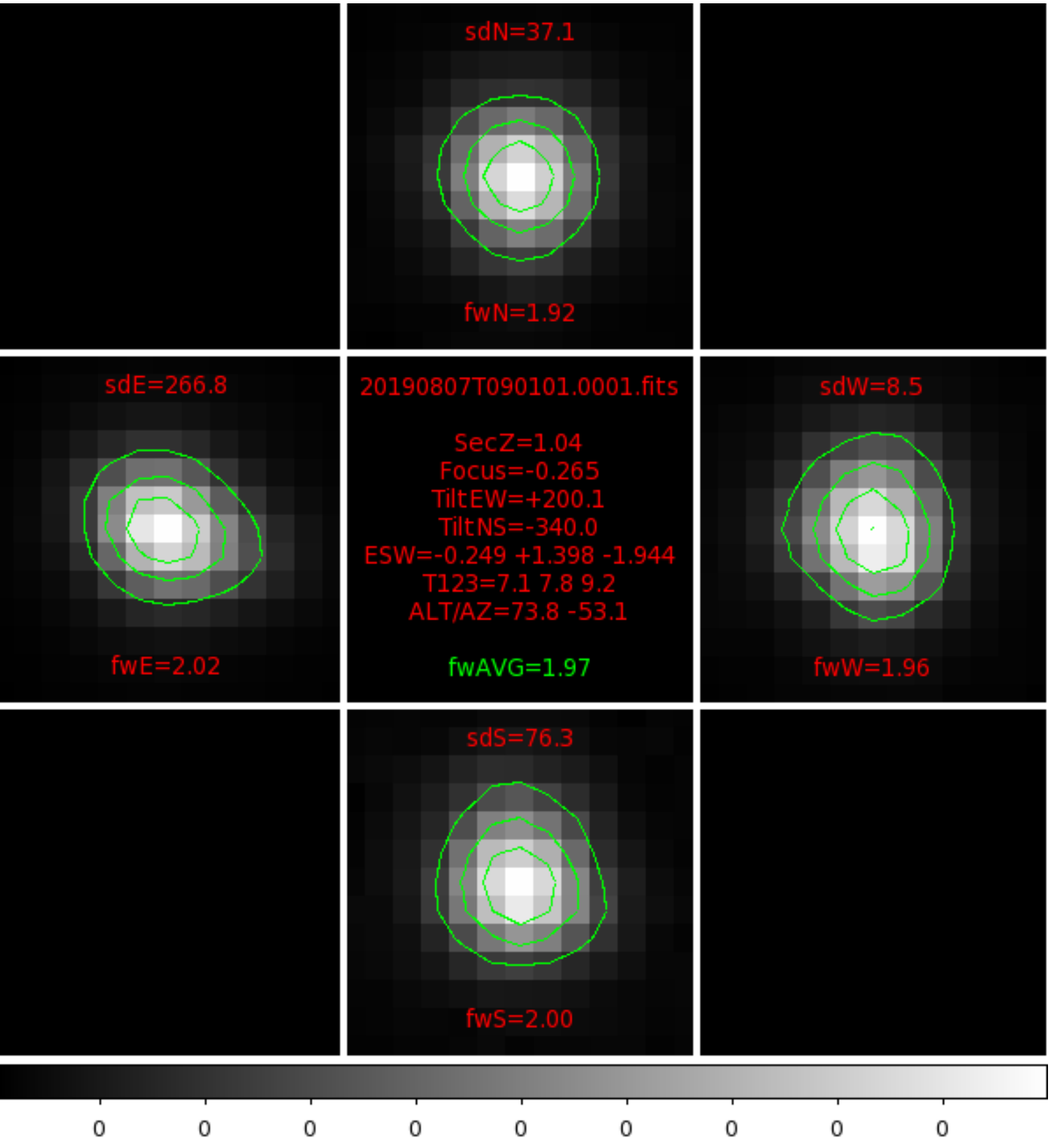

sdN=34.0
fwN=2.01
sdE=245.4
fwE=2.08
20190807T085421.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.7 9.2
ALT/AZ=74.9 -50.8
fwAVG=1.99
sdW=8.8
fwW=1.86
sdS=73.7
fwS=2.03
0 0 0 0 0 0 0 0 0


sdN=28.7
fwN=2.05
sdE=214.9
fwE=2.07
20190807T085605.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.7 9.2
ALT/AZ=74.6 -51.4
fwAVG=2.07
sdW=8.2
fwW=2.13
sdS=78.0
fwS=2.04
0 0 0 0 0 0 0 0 0


sdN=45.4
fwN=1.83
sdE=310.6
fwE=2.04
20190807T085639.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.7 9.2
ALT/AZ=74.5 -51.6
fwAVG=1.97
sdW=11.3
fwW=1.95
sdS=137.9
fwS=2.05
0 0 0 0 0 0 0 0 0


sdN=32.8
fwN=1.89
sdE=211.4
fwE=2.31
20190807T090026.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.2
ALT/AZ=73.9 -52.9
fwAVG=2.07
sdW=12.5
fwW=2.04
sdS=84.9
fwS=2.02
0 0 0 0 0 0 0 0 0


sdN=37.1
fwN=1.92
sdE=266.8
fwE=2.02
20190807T090101.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.2
ALT/AZ=73.8 -53.1
fwAVG=1.97
sdW=8.5
fwW=1.96
sdS=76.3
fwS=2.00
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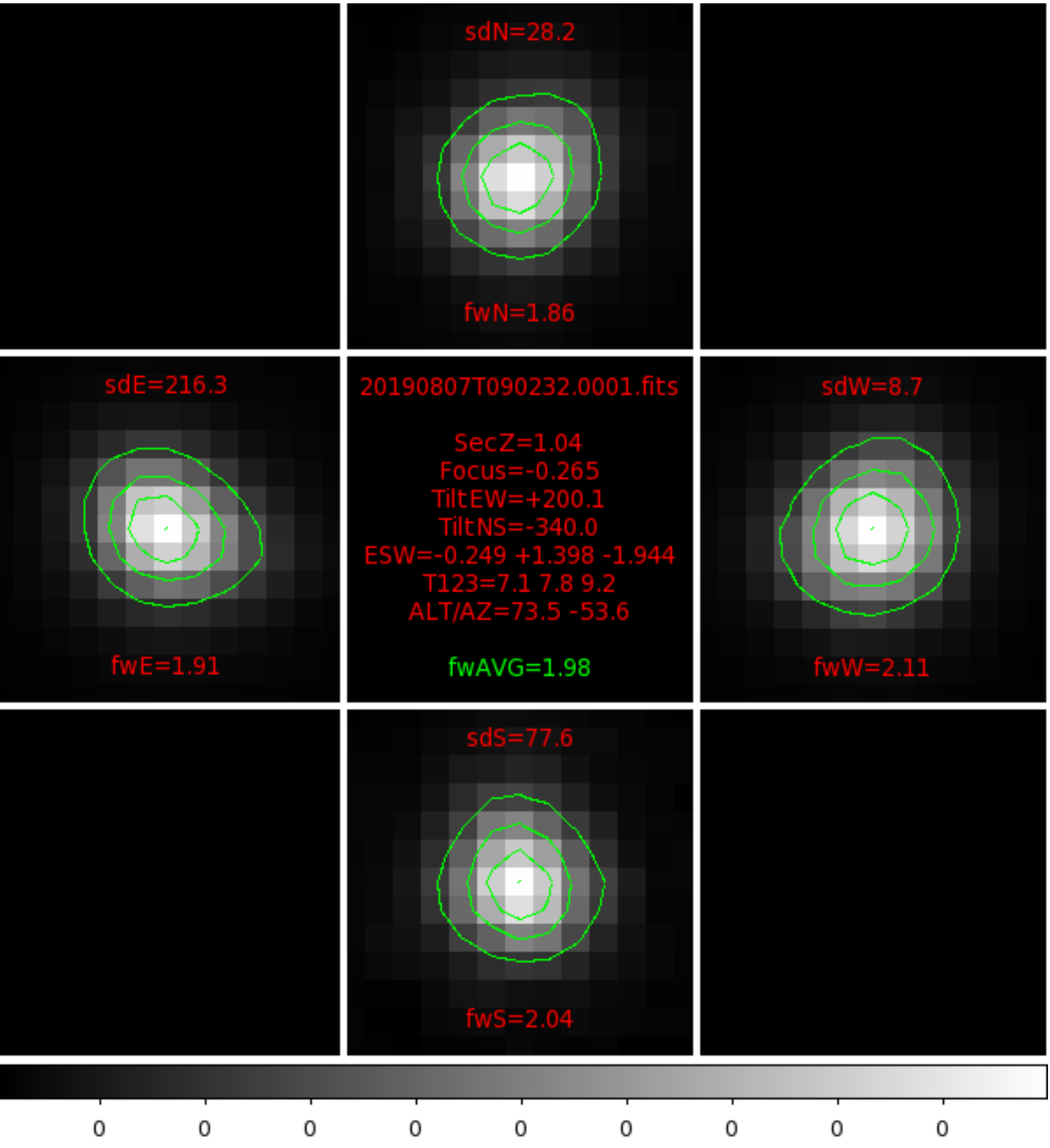
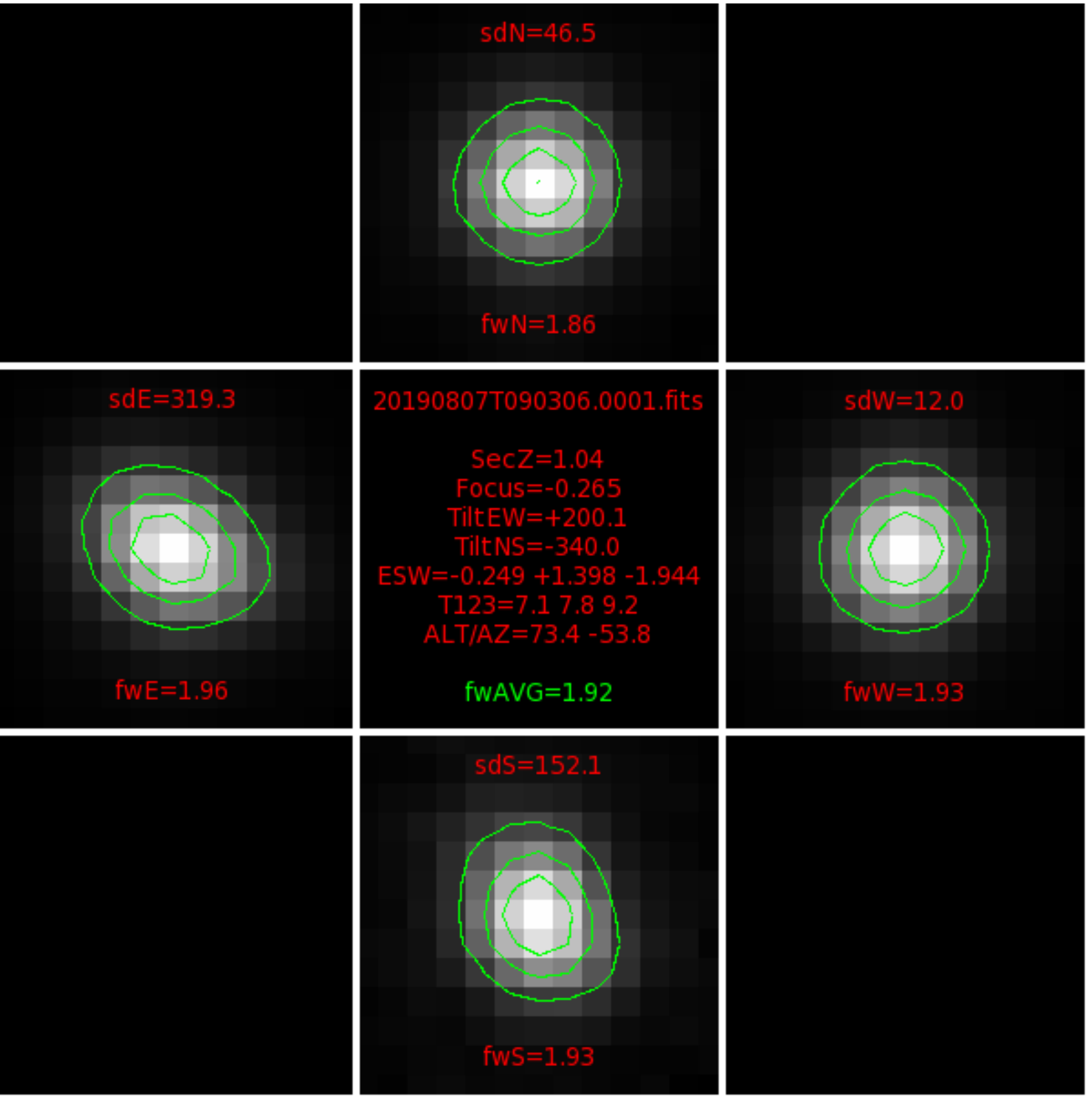
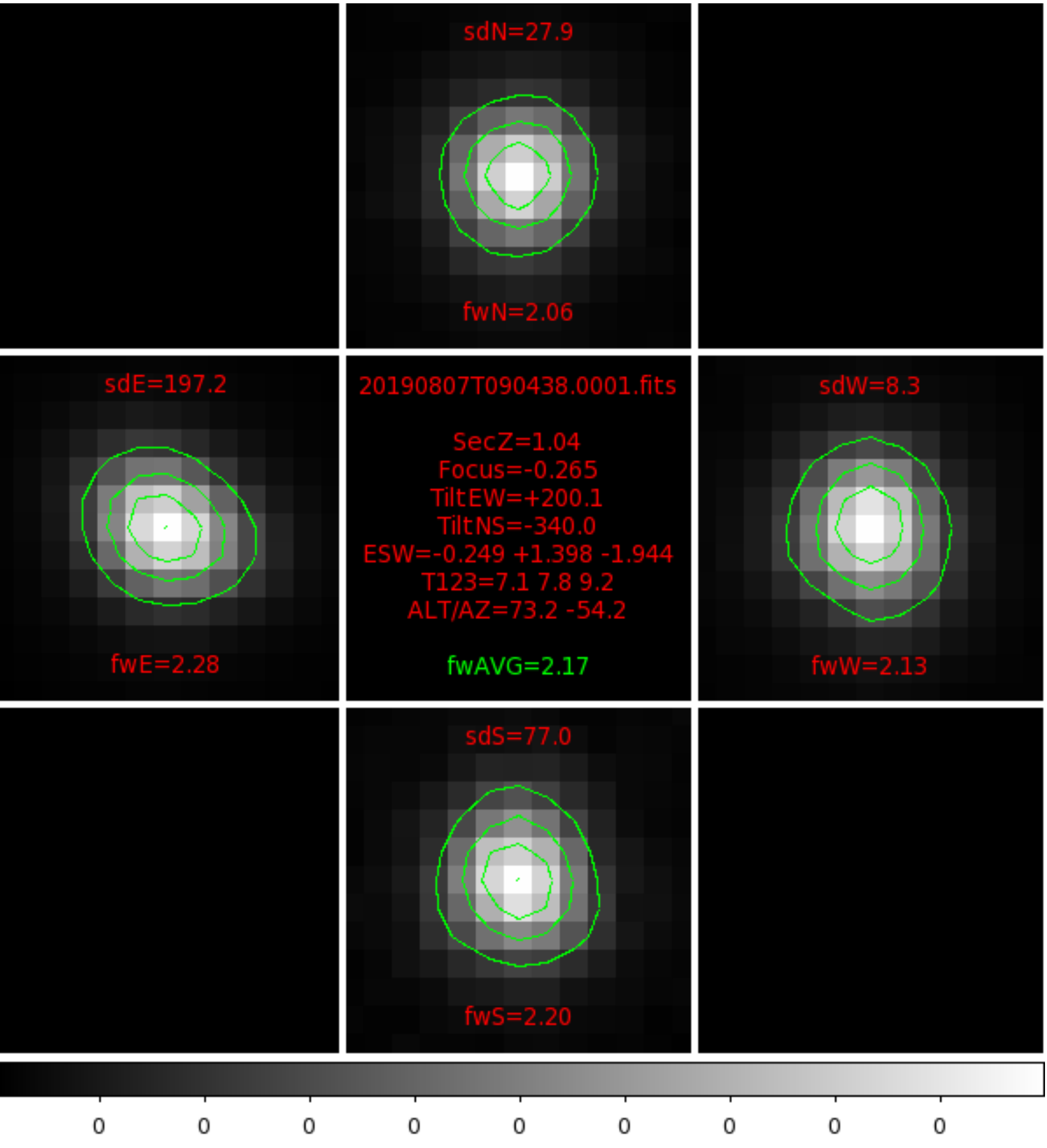
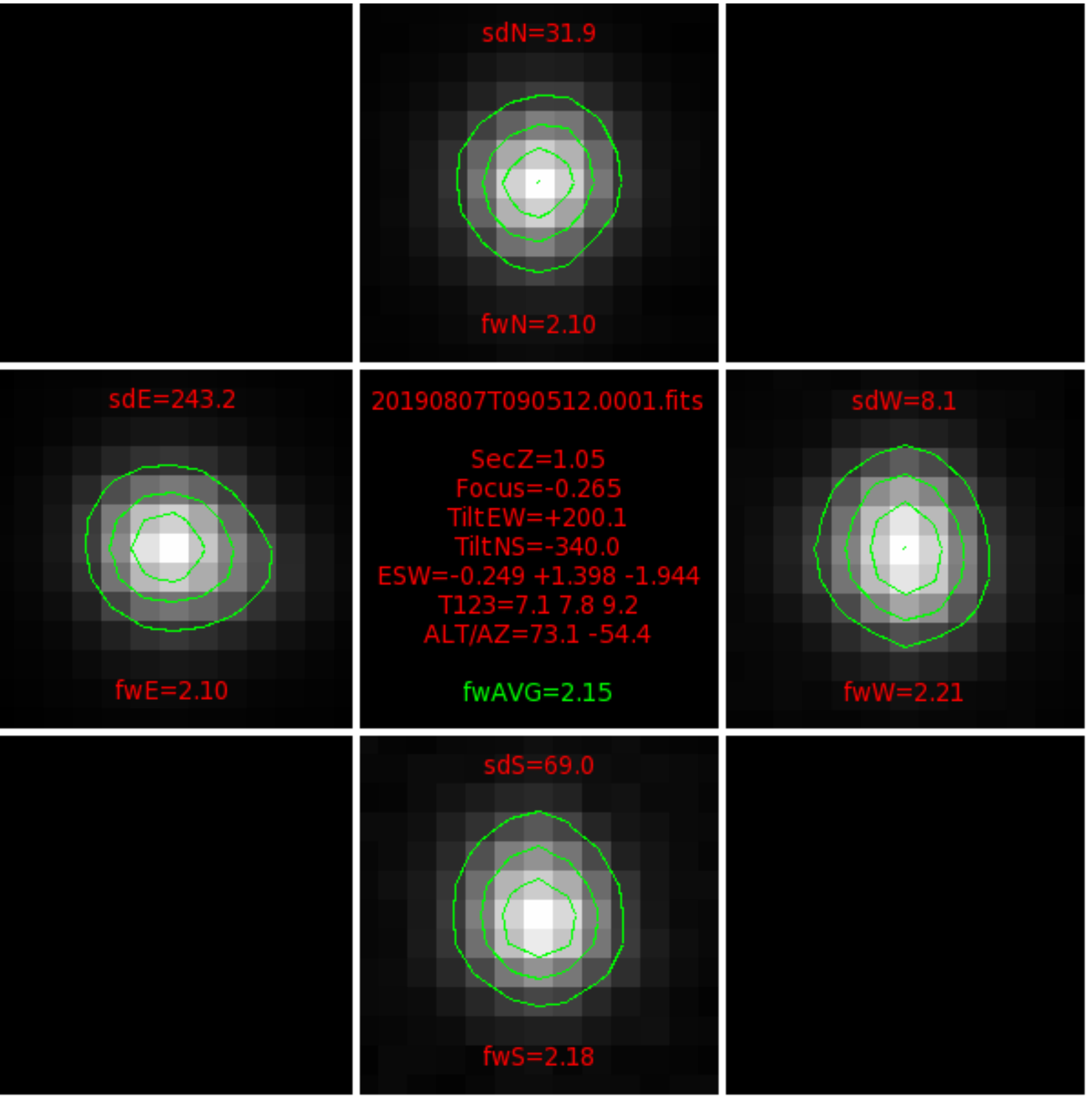
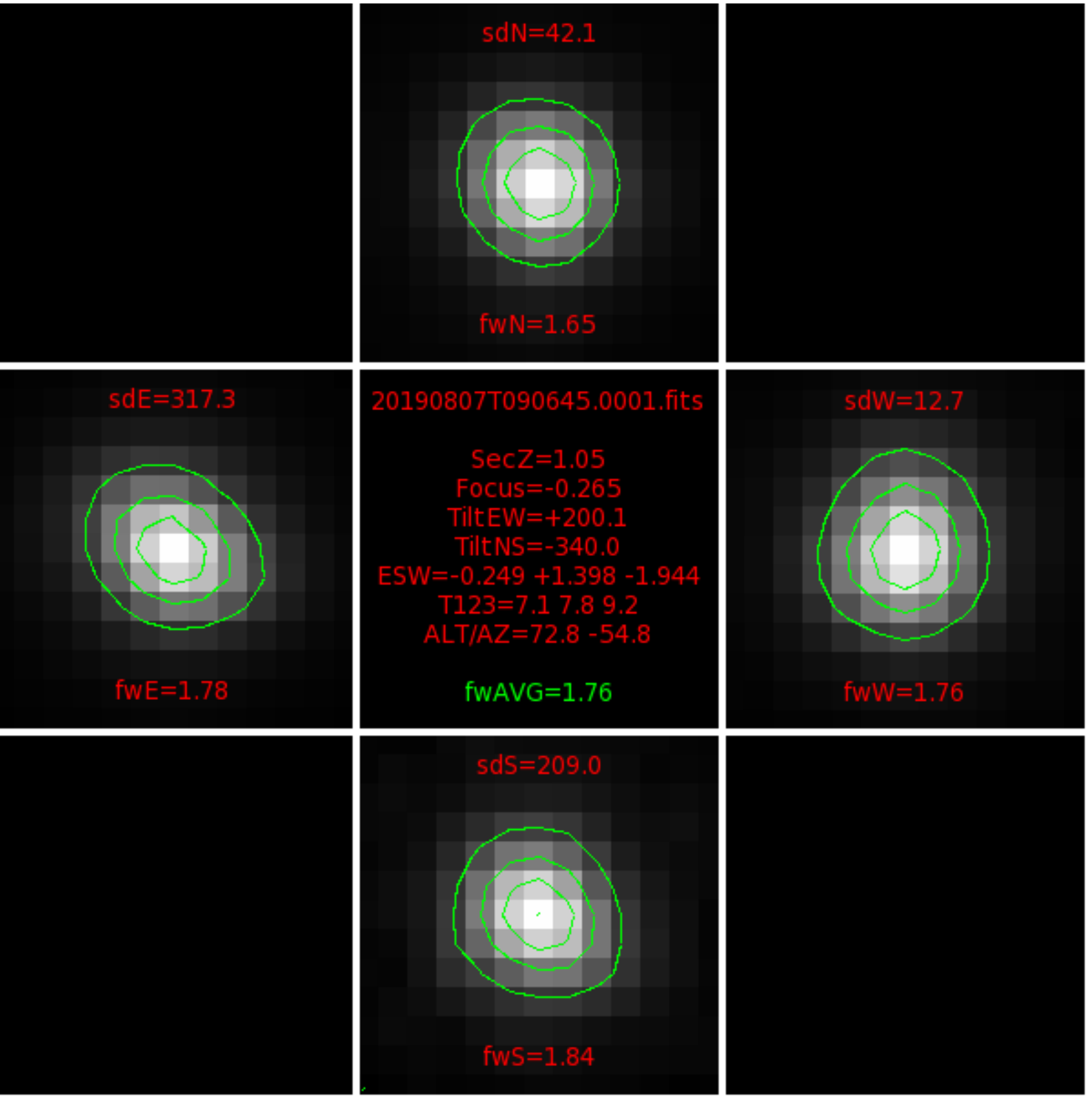
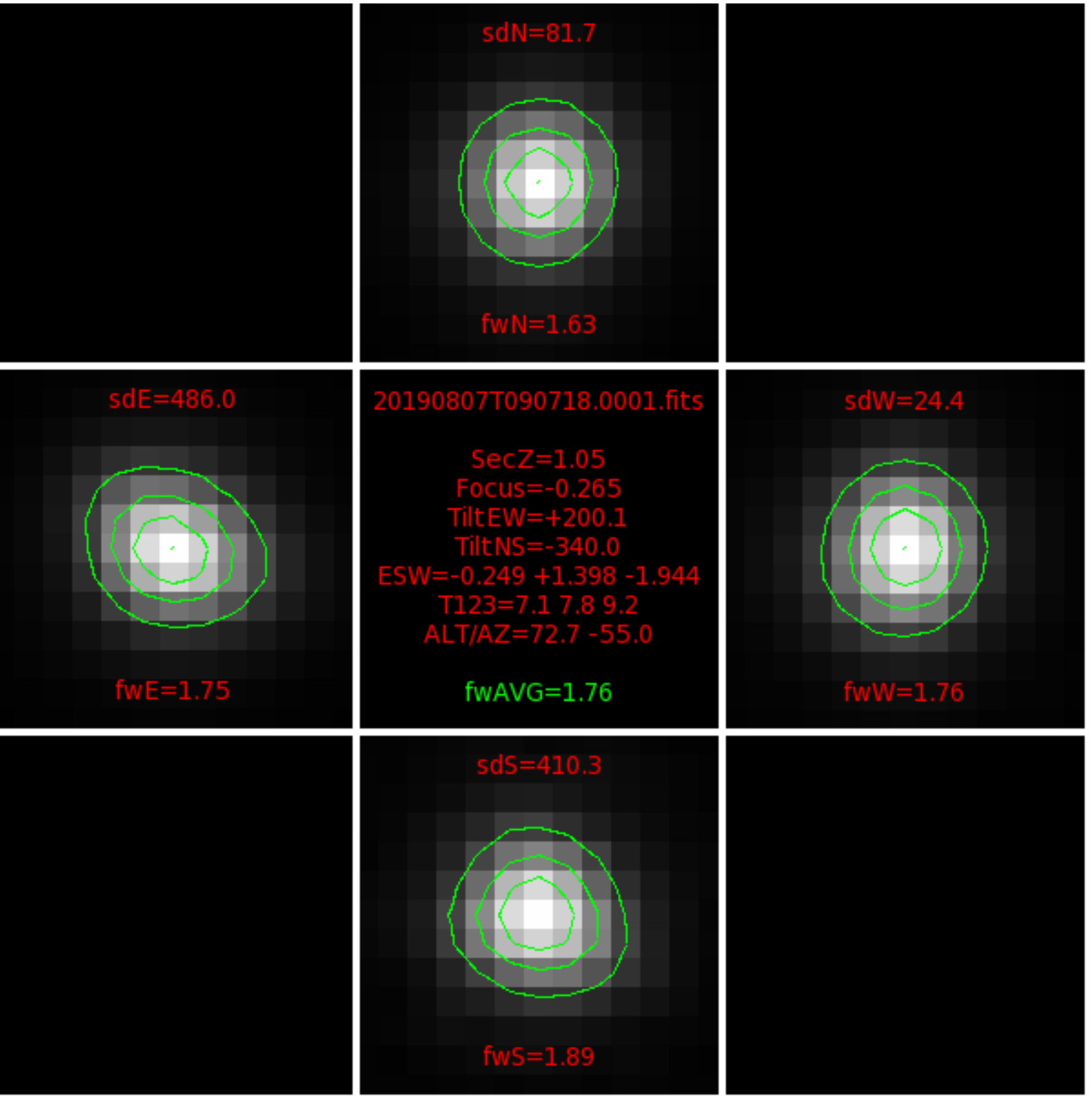

sdN=28.2
fwN=1.86
sdE=216.3
fwE=1.91
20190807T090232.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.2
ALT/AZ=73.5 -53.6
fwAVG=1.98
sdW=8.7
fwW=2.11
sdS=77.6
fwS=2.04
0 0 0 0 0 0 0 0 0


sdN=46.5
fwN=1.86
sdE=319.3
fwE=1.96
20190807T090306.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.2
ALT/AZ=73.4 -53.8
fwAVG=1.92
sdW=12.0
fwW=1.93
sdS=152.1
fwS=1.93
0 0 0 0 0 0 0 0 0


sdN=27.9
fwN=2.06
sdE=197.2
fwE=2.28
20190807T090438.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.2
ALT/AZ=73.2 -54.2
fwAVG=2.17
sdW=8.3
fwW=2.13
sdS=77.0
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=31.9
fwN=2.10
sdE=243.2
fwE=2.10
20190807T090512.0001.fits
SecZ=1.05
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.2
ALT/AZ=73.1 -54.4
fwAVG=2.15
sdW=8.1
fwW=2.21
sdS=69.0
fwS=2.18
0 0 0 0 0 0 0 0 0


sdN=42.1
fwN=1.65
sdE=317.3
fwE=1.78
20190807T090645.0001.fits
SecZ=1.05
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.2
ALT/AZ=72.8 -54.8
fwAVG=1.76
sdW=12.7
fwW=1.76
sdS=209.0
fwS=1.84
0 0 0 0 0 0 0 0 0


sdN=81.7
fwN=1.63
sdE=486.0
fwE=1.75
20190807T090718.0001.fits
SecZ=1.05
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.2
ALT/AZ=72.7 -55.0
fwAVG=1.76
sdW=24.4
fwW=1.76
sdS=410.3
fwS=1.89
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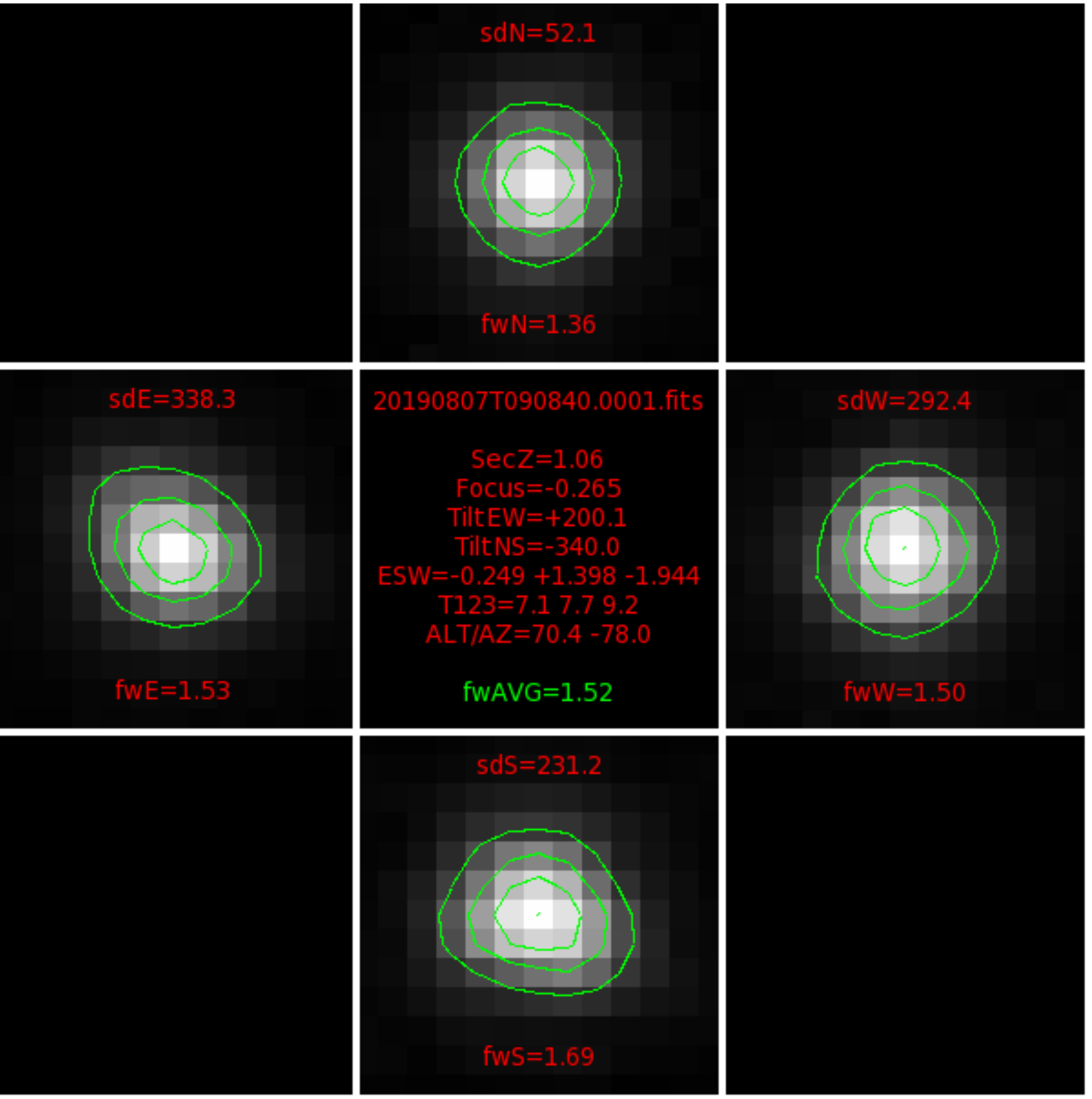
sdN=52.1
fwN=1.36
sdE=338.3
fwE=1.53
20190807T090840.0001.fits
SecZ=1.06
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.7 9.2
ALT/AZ=70.4 -78.0
fwAVG=1.52
sdW=292.4
fwW=1.50
sdS=231.2
fwS=1.69
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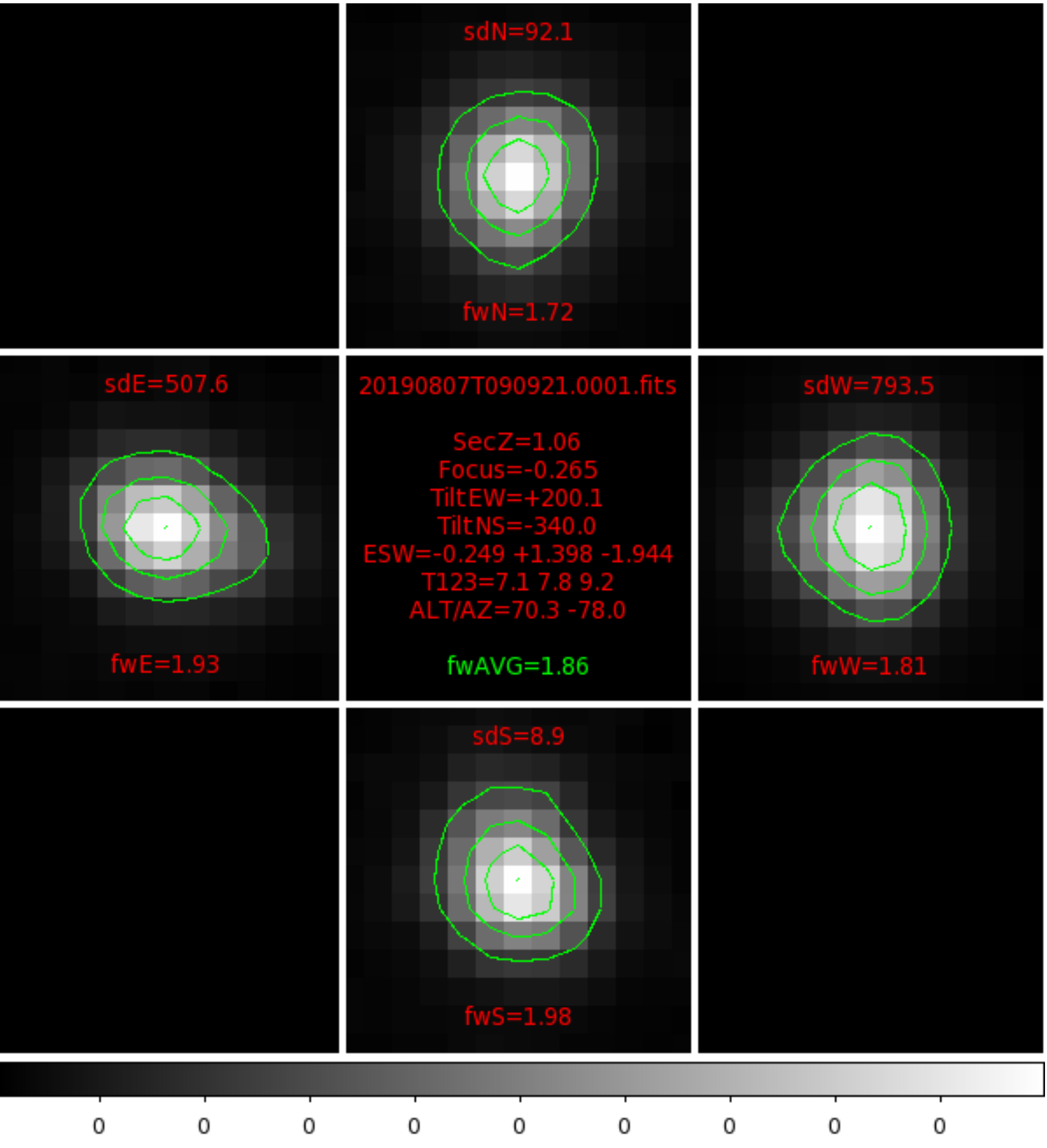
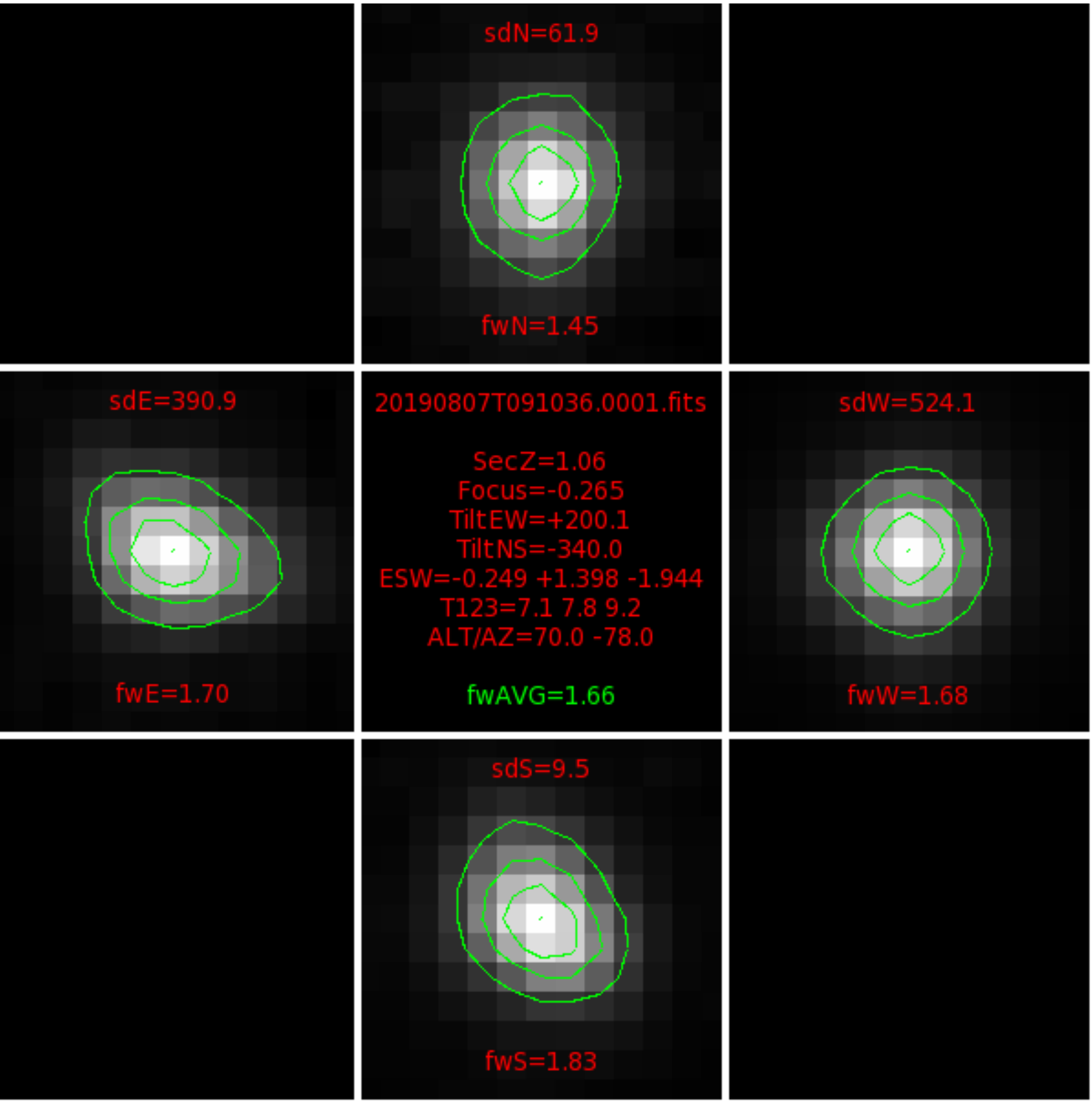

sdN=92.1
fwN=1.72
sdE=507.6
fwE=1.93
20190807T090921.0001.fits
SecZ=1.06
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.2
ALT/AZ=70.3 -78.0
fwAVG=1.86
sdW=793.5
fwW=1.81
sdS=8.9
fwS=1.98
0 0 0 0 0 0 0 0 0


sdN=61.9
fwN=1.45
sdE=390.9
fwE=1.70
20190807T091036.0001.fits
SecZ=1.06
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.2
ALT/AZ=70.0 -78.0
fwAVG=1.66
sdW=524.1
fwW=1.68
sdS=9.5
fwS=1.83
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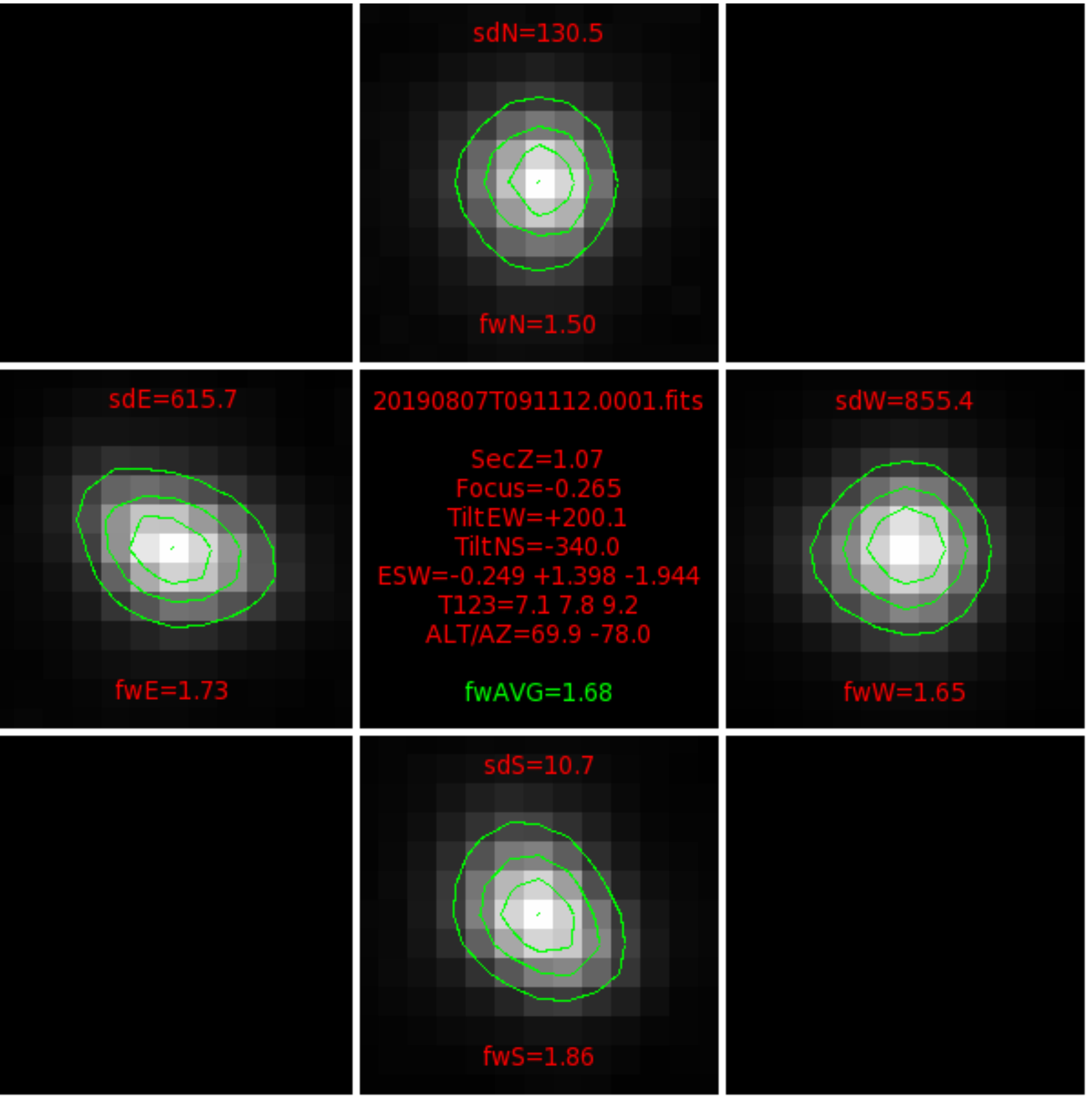
sdN=130.5
fwN=1.50
sdE=615.7
fwE=1.73
20190807T091112.0001.fits
SecZ=1.07
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.2
ALT/AZ=69.9 -78.0
fwAVG=1.68
sdW=855.4
fwW=1.65
sdS=10.7
fwS=1.86
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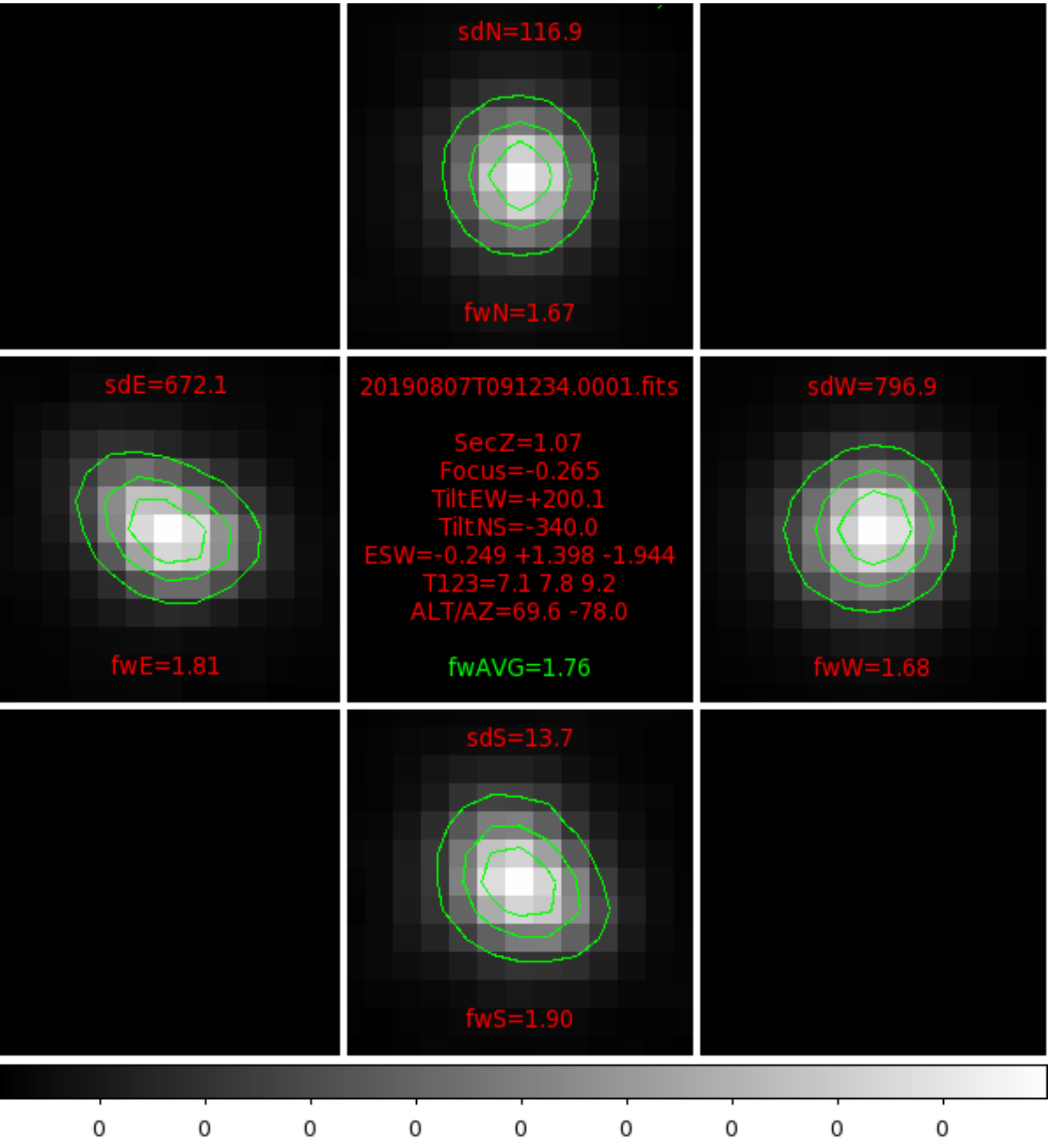
sdN=116.9
fwN=1.67
sdE=672.1
fwE=1.81
20190807T091234.0001.fits
SecZ=1.07
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.2
ALT/AZ=69.6 -78.0
fwAVG=1.76
sdW=796.9
fwW=1.68
sdS=13.7
fwS=1.90
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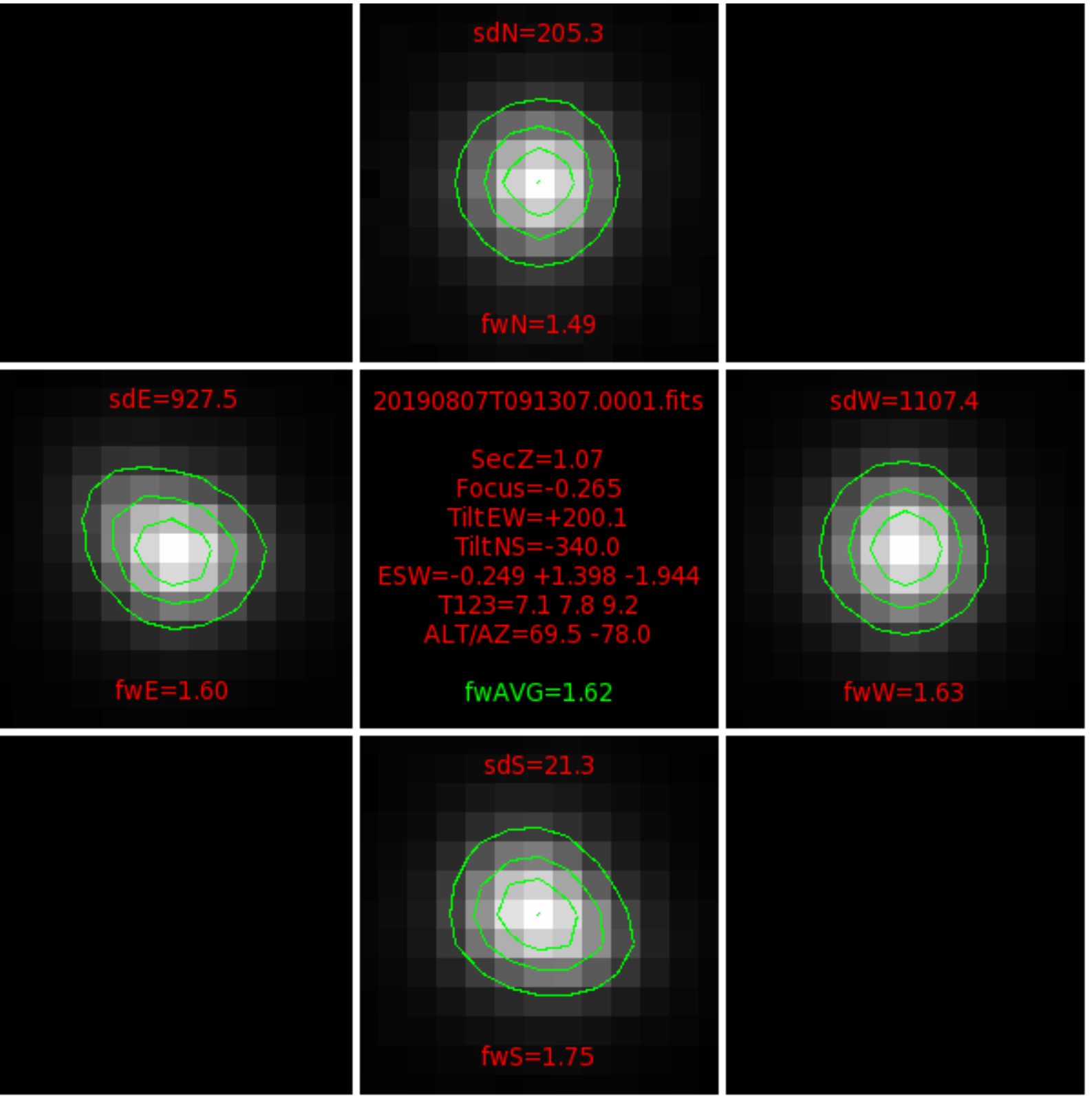
sdN=205.3
fwN=1.49
sdE=927.5
fwE=1.60
20190807T091307.0001.fits
SecZ=1.07
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.2
ALT/AZ=69.5 -78.0
fwAVG=1.62
sdW=1107.4
fwW=1.63
sdS=21.3
fwS=1.75
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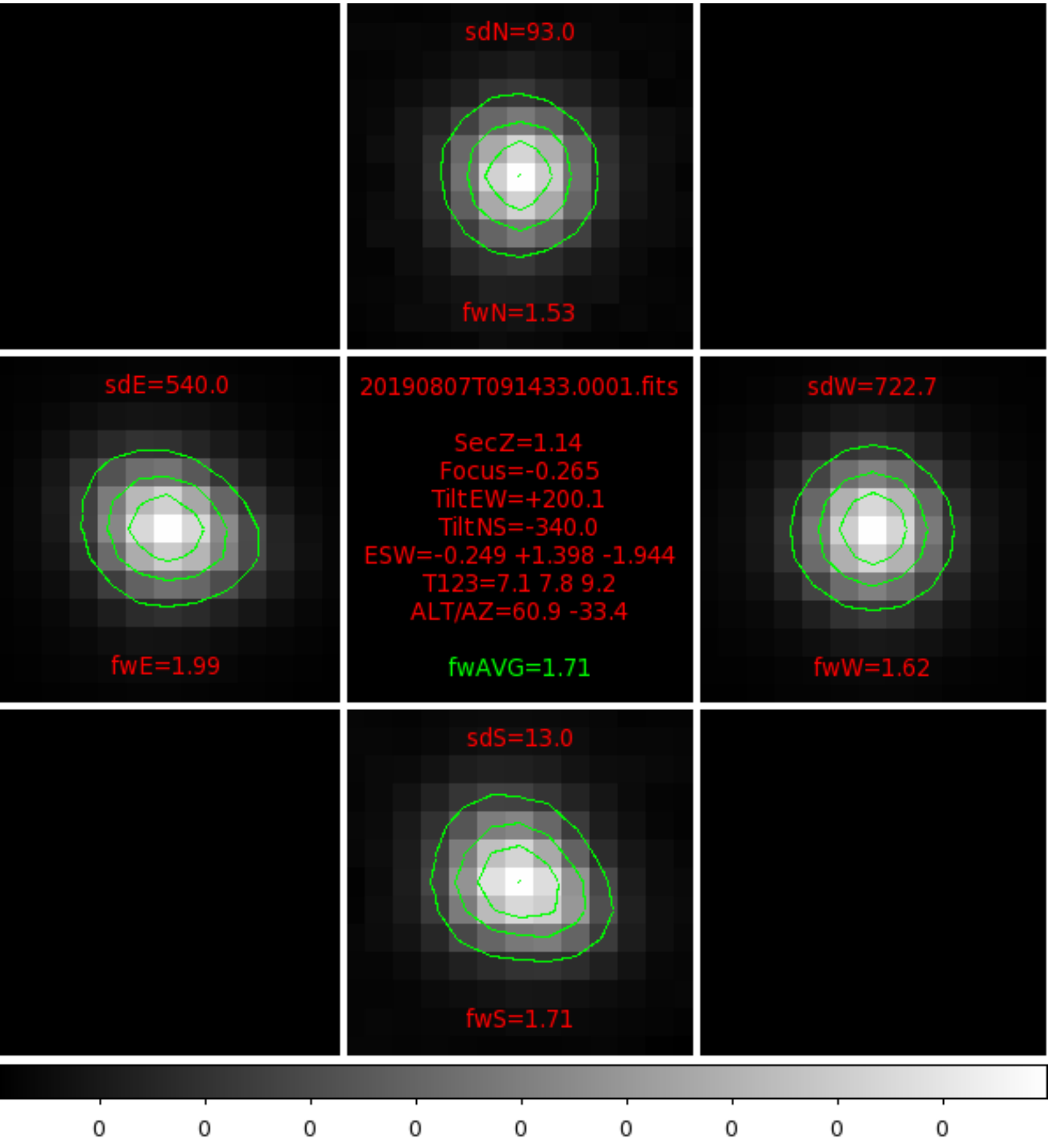
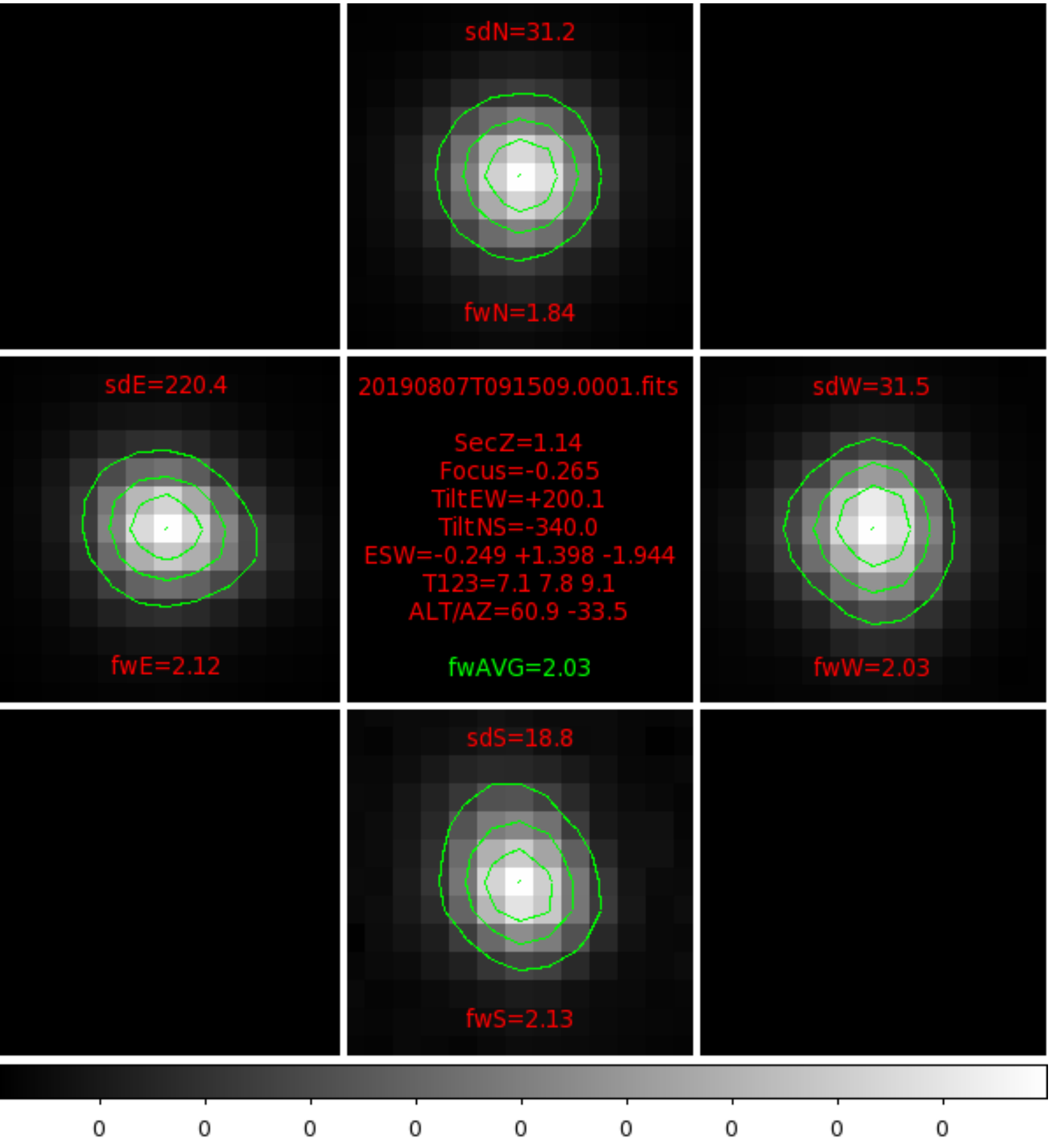
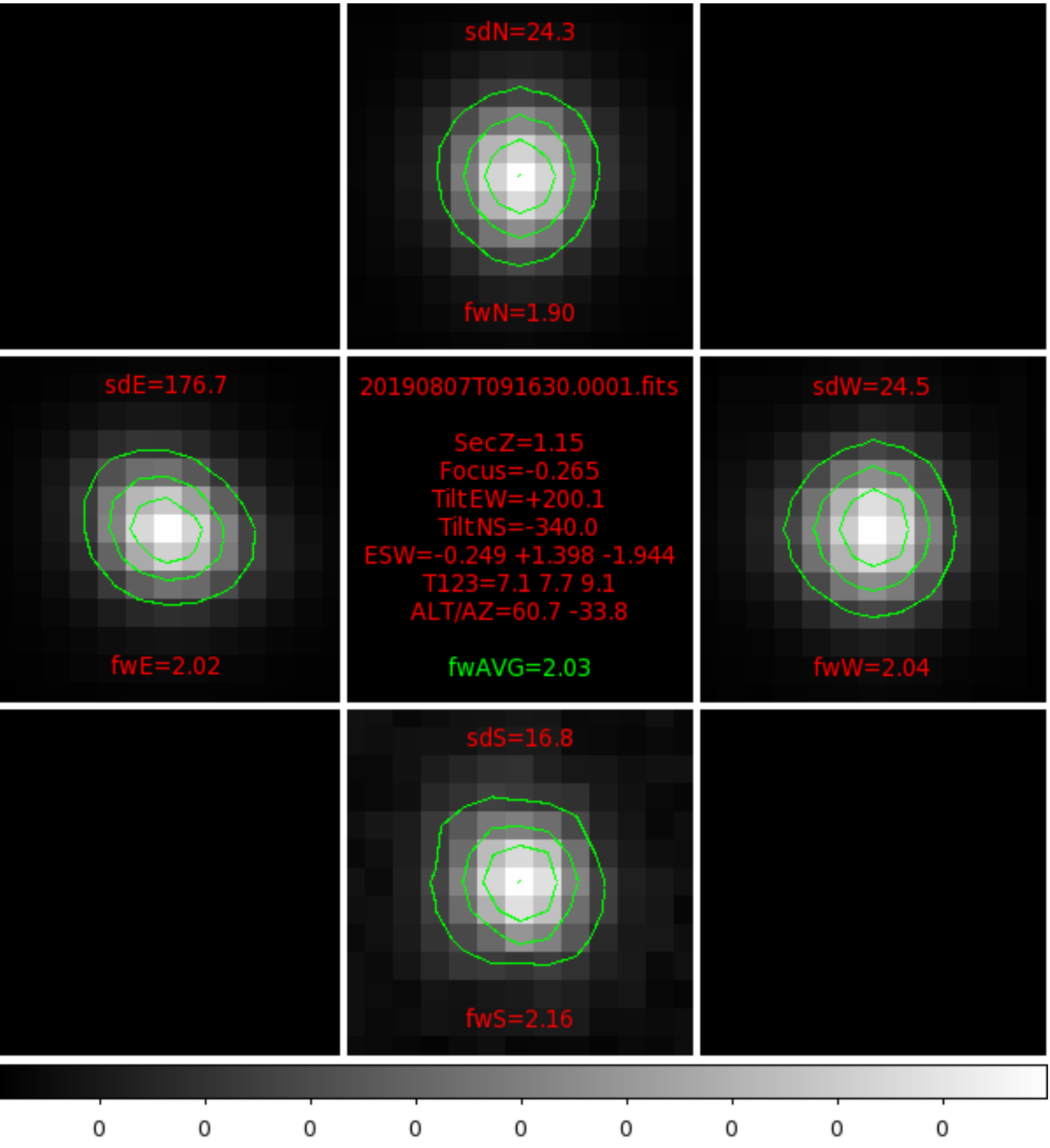
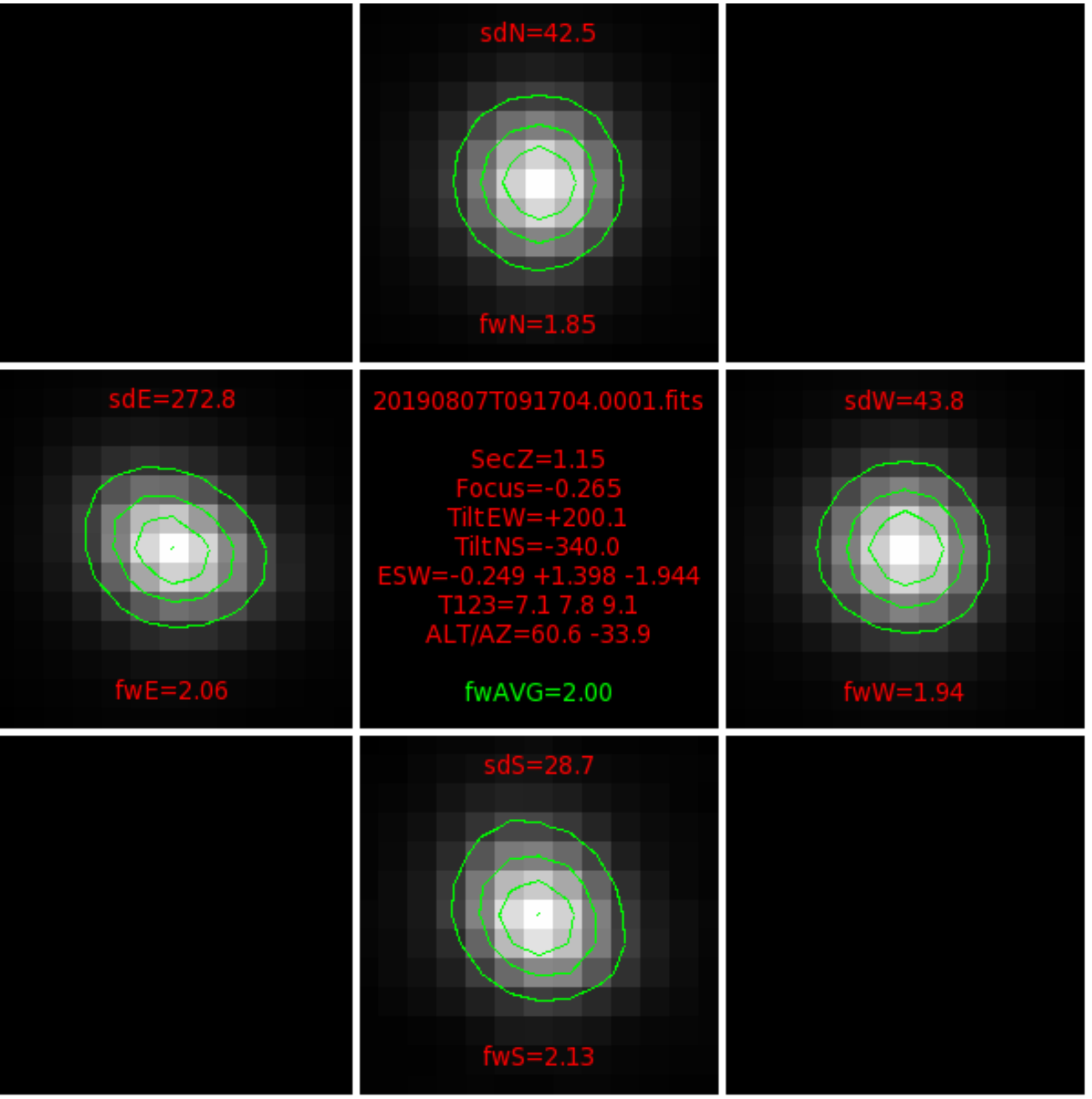
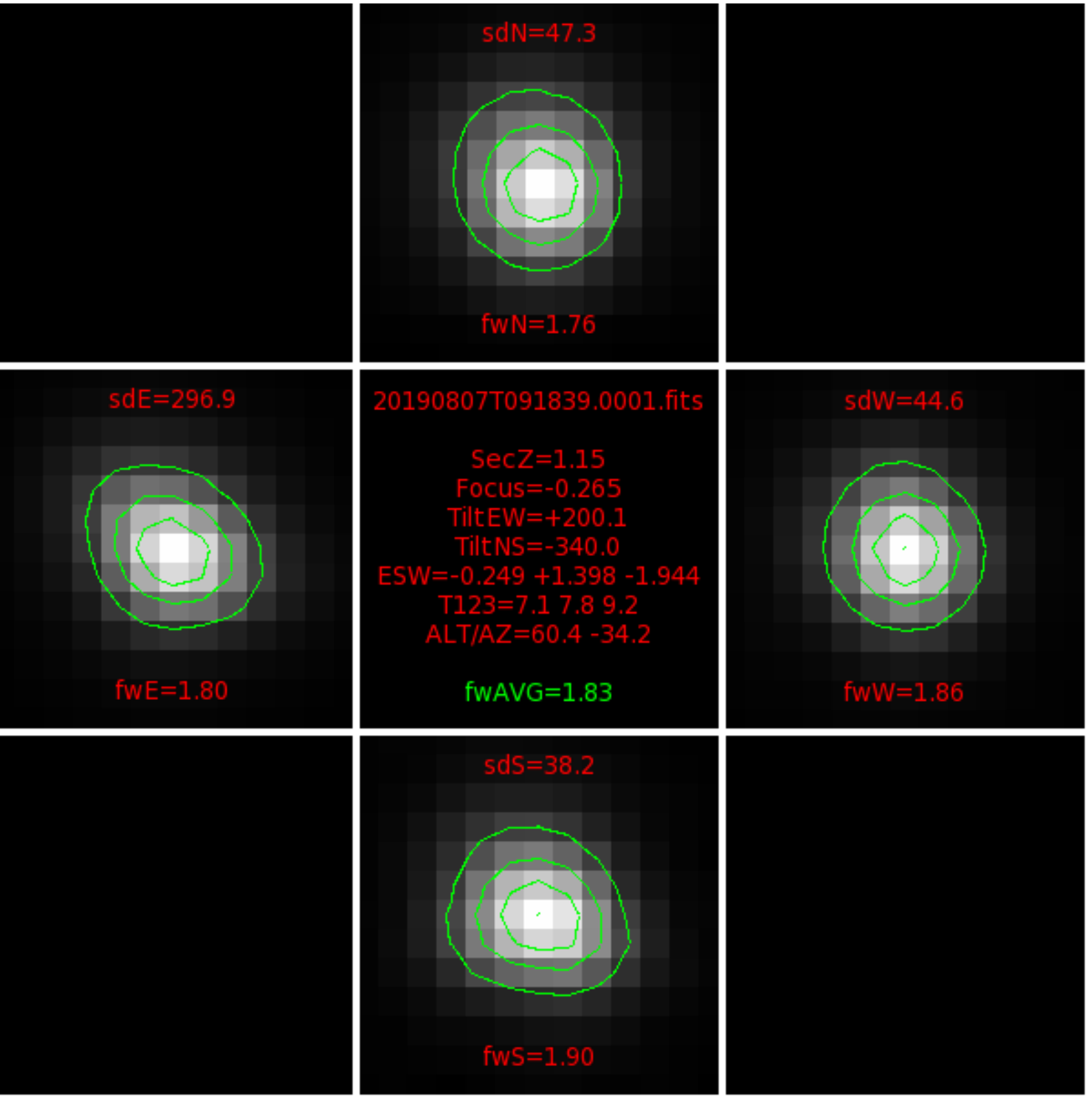
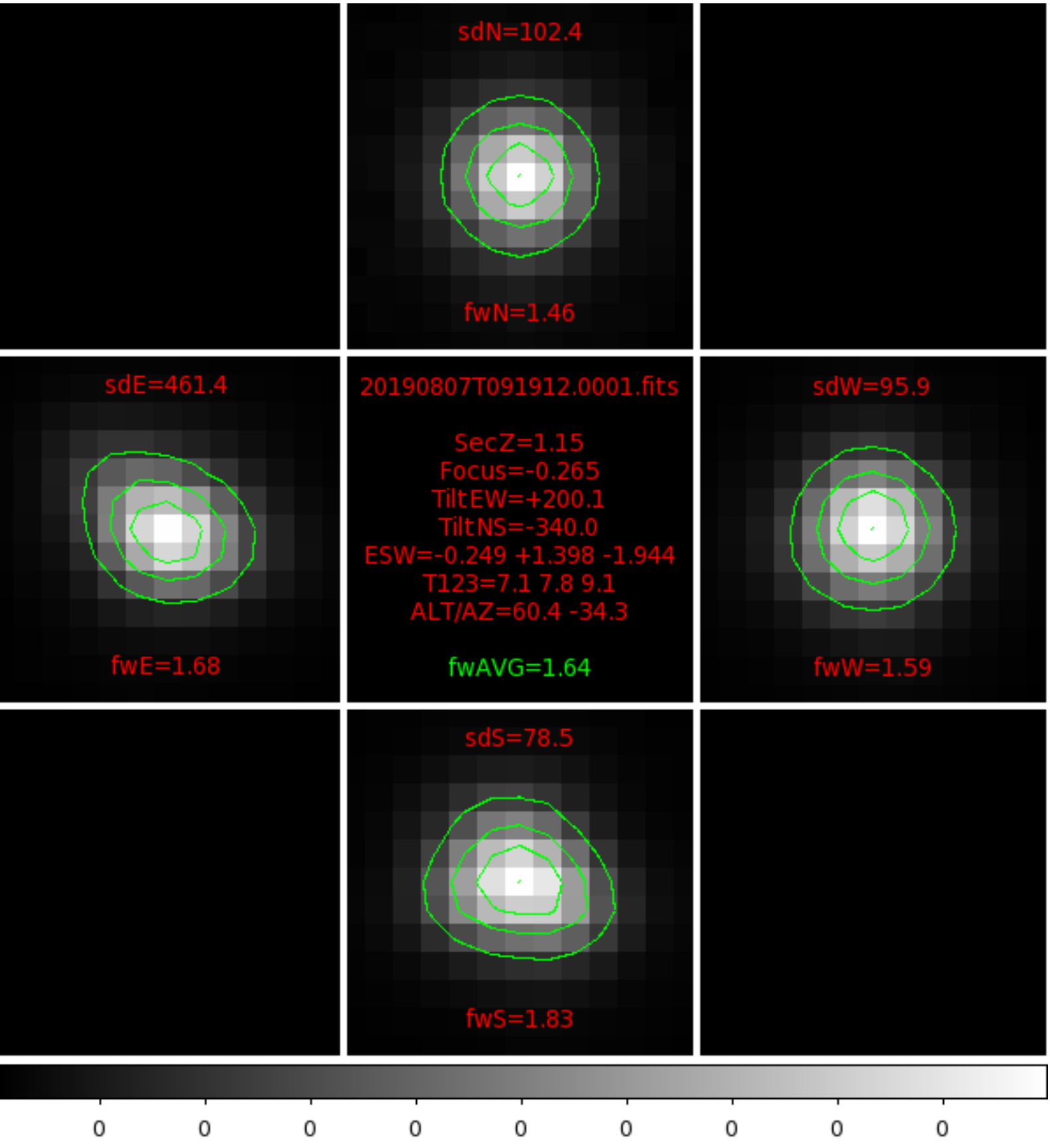

sdN=93.0
fwN=1.53
sdE=540.0
fwE=1.99
20190807T091433.0001.fits
SecZ=1.14
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.2
ALT/AZ=60.9 -33.4
fwAVG=1.71
sdW=722.7
fwW=1.62
sdS=13.0
fwS=1.71
0 0 0 0 0 0 0 0 0

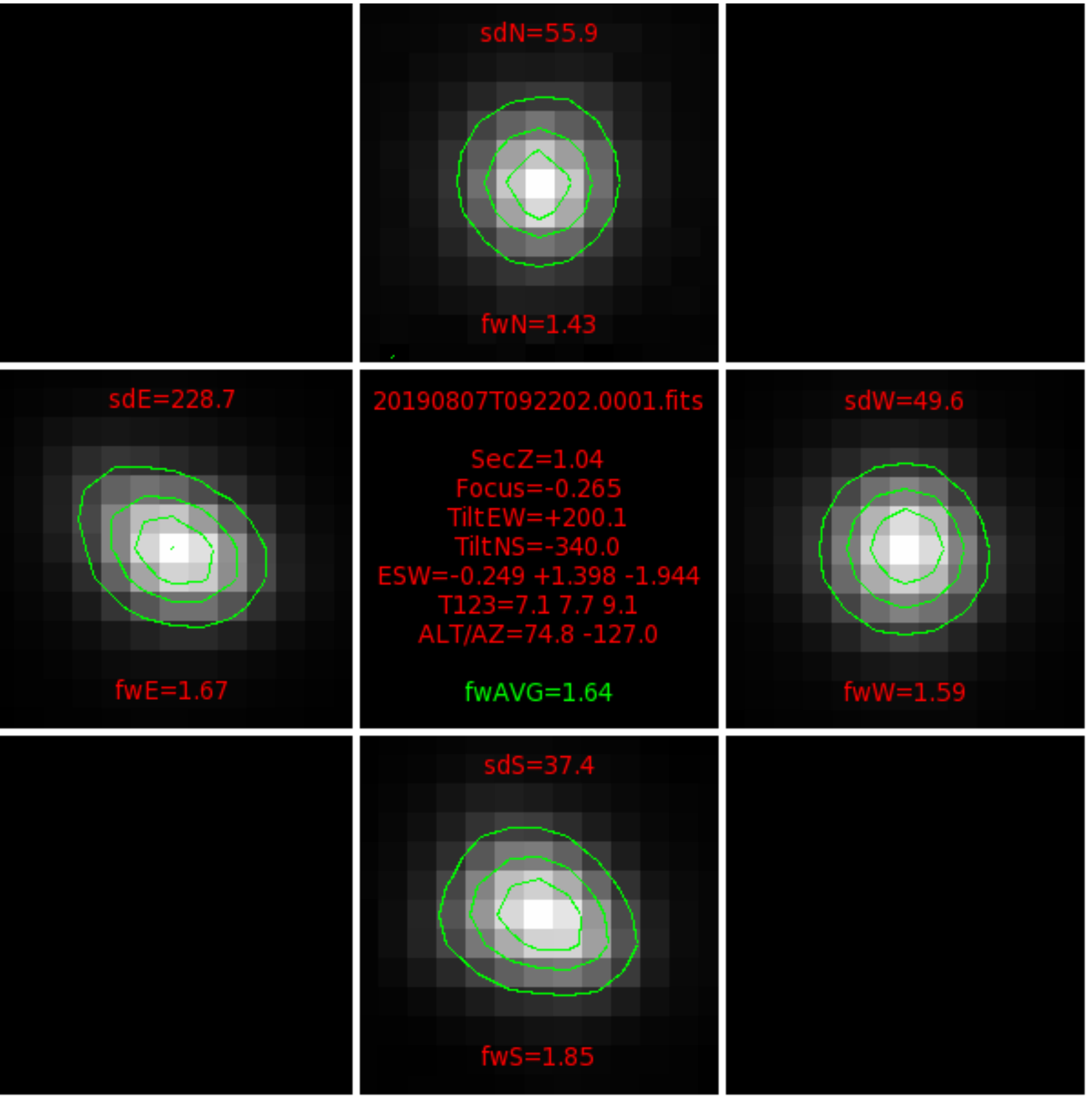

sdN=31.2
fwN=1.84
sdE=220.4
fwE=2.12
20190807T091509.0001.fits
SecZ=1.14
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=60.9 -33.5
fwAVG=2.03
sdW=31.5
fwW=2.03
sdS=18.8
fwS=2.13
0 0 0 0 0 0 0 0 0

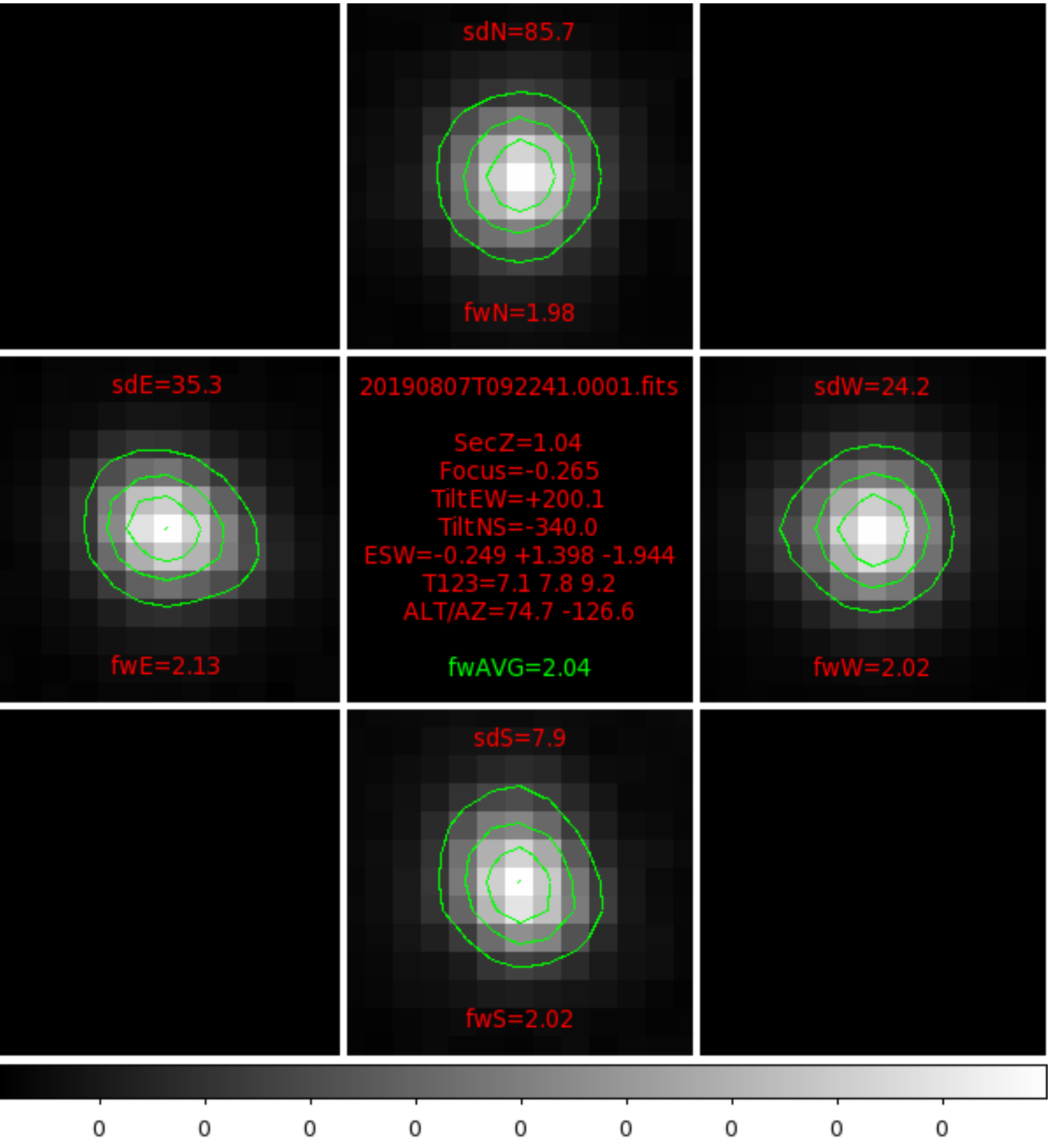

sdN=24.3
fwN=1.90
sdE=176.7
fwE=2.02
20190807T091630.0001.fits
SecZ=1.15
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.7 9.1
ALT/AZ=60.7 -33.8
fwAVG=2.03
sdW=24.5
fwW=2.04
sdS=16.8
fwS=2.16
0 0 0 0 0 0 0 0 0

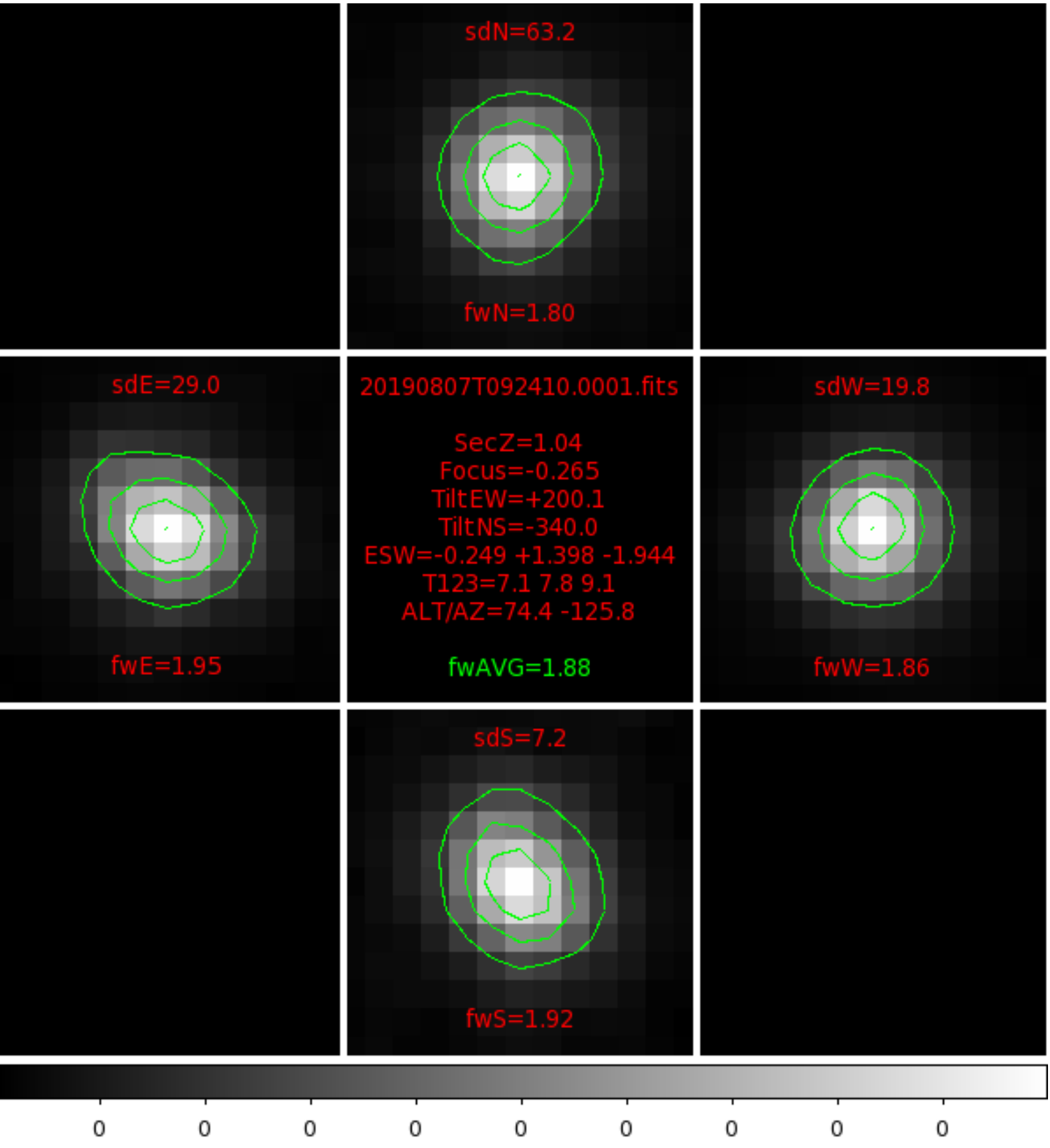

sdN=42.5
fwN=1.85
sdE=272.8
fwE=2.06
20190807T091704.0001.fits
SecZ=1.15
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=60.6 -33.9
fwAVG=2.00
sdW=43.8
fwW=1.94
sdS=28.7
fwS=2.13
0 0 0 0 0 0 0 0 0

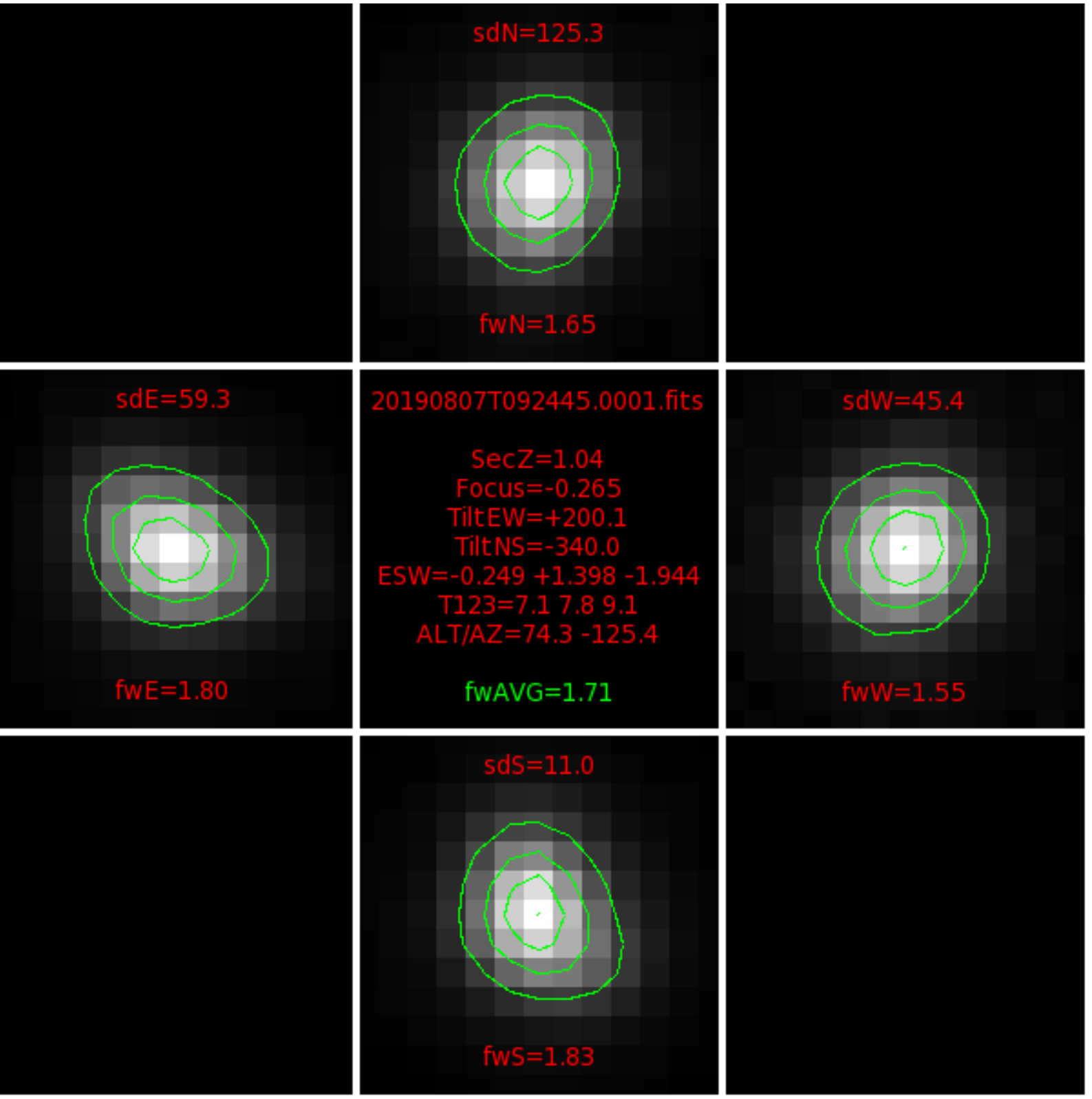

sdN=47.3
fwN=1.76
sdE=296.9
fwE=1.80
20190807T091839.0001.fits
SecZ=1.15
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.2
ALT/AZ=60.4 -34.2
fwAVG=1.83
sdW=44.6
fwW=1.86
sdS=38.2
fwS=1.90
0 0 0 0 0 0 0 0 0

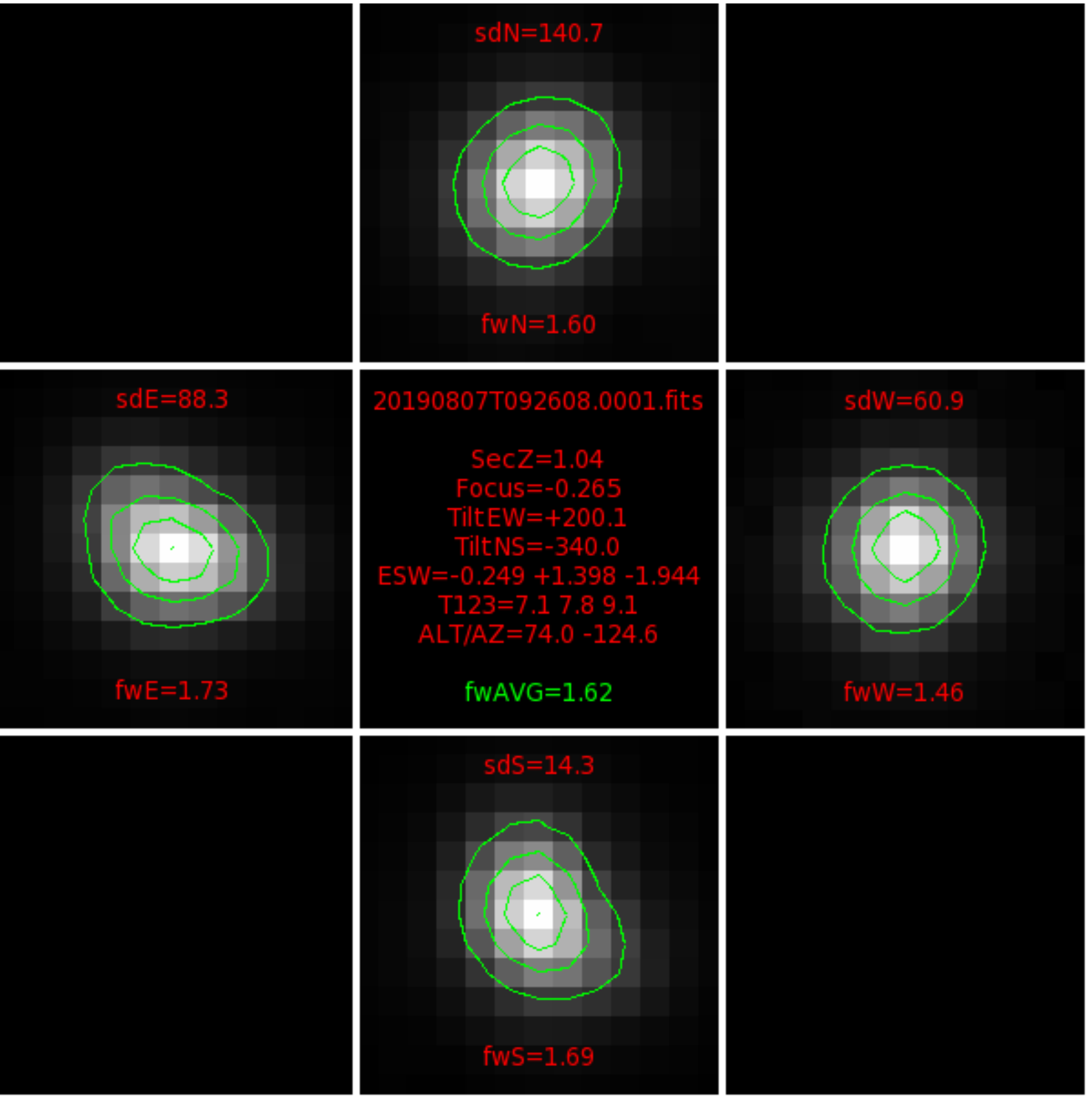

sdN=102.4
fwN=1.46
sdE=461.4
fwE=1.68
20190807T091912.0001.fits
SecZ=1.15
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=60.4 -34.3
fwAVG=1.64
sdW=95.9
fwW=1.59
sdS=78.5
fwS=1.83
0 0 0 0 0 0 0 0 0

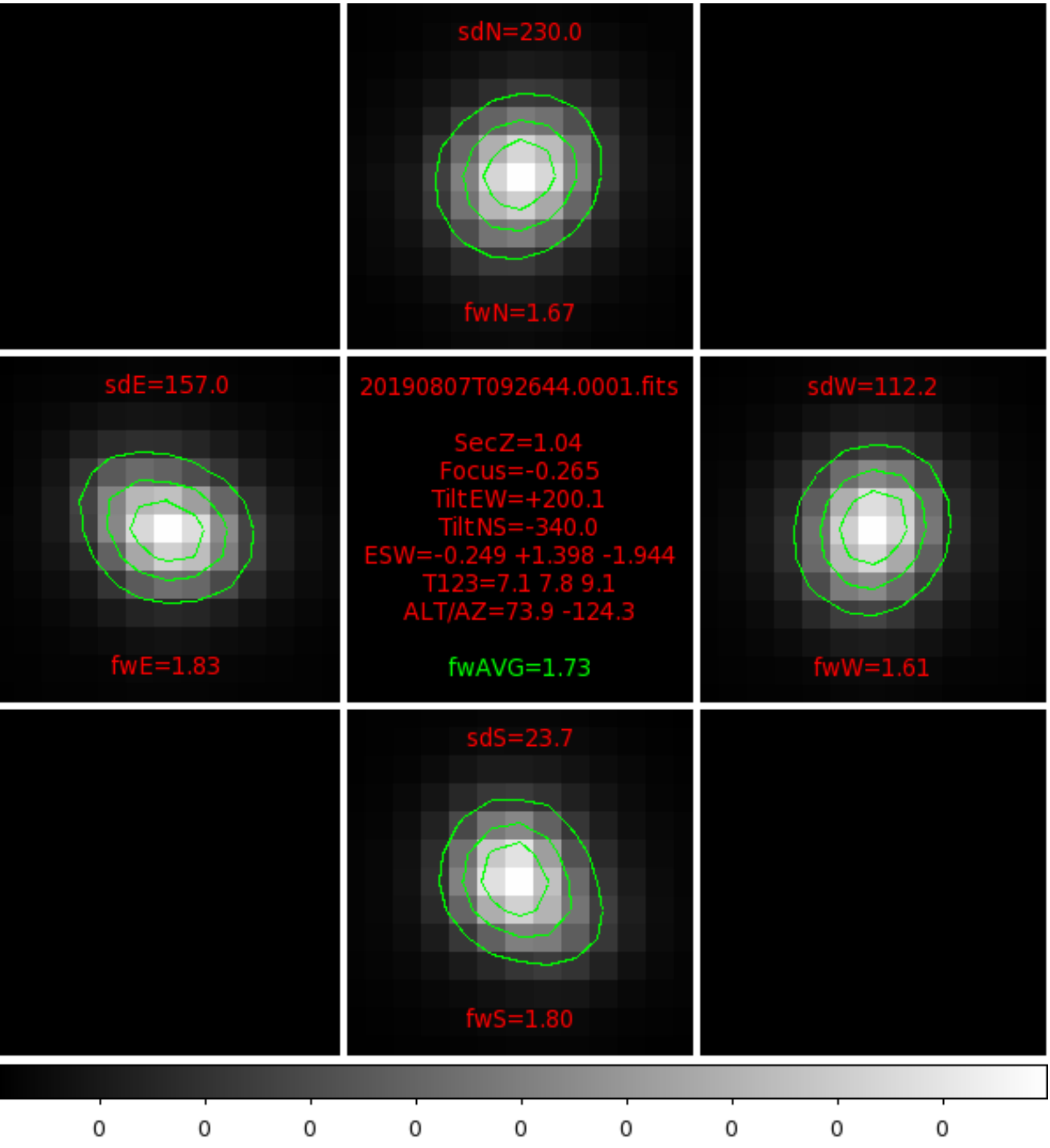

sdN=55.9
fwN=1.43
sdE=228.7
fwE=1.67
20190807T092202.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.7 9.1
ALT/AZ=74.8 -127.0
fwAVG=1.64
sdW=49.6
fwW=1.59
sdS=37.4
fwS=1.85
0 0 0 0 0 0 0 0 0

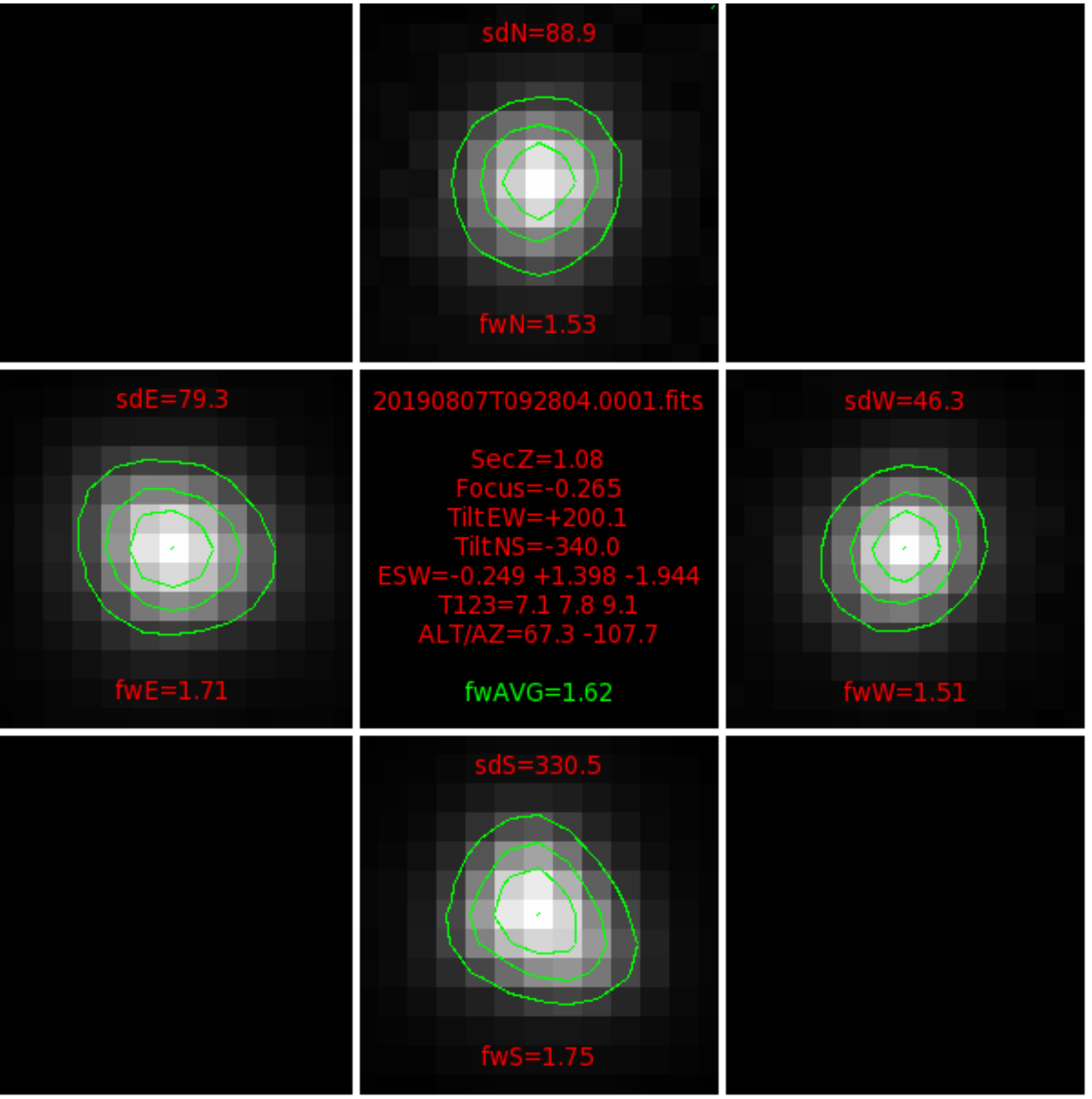

sdN=85.7
fwN=1.98
sdE=35.3
fwE=2.13
20190807T092241.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.2
ALT/AZ=74.7 -126.6
fwAVG=2.04
sdW=24.2
fwW=2.02
sdS=7.9
fwS=2.02
0 0 0 0 0 0 0 0 0

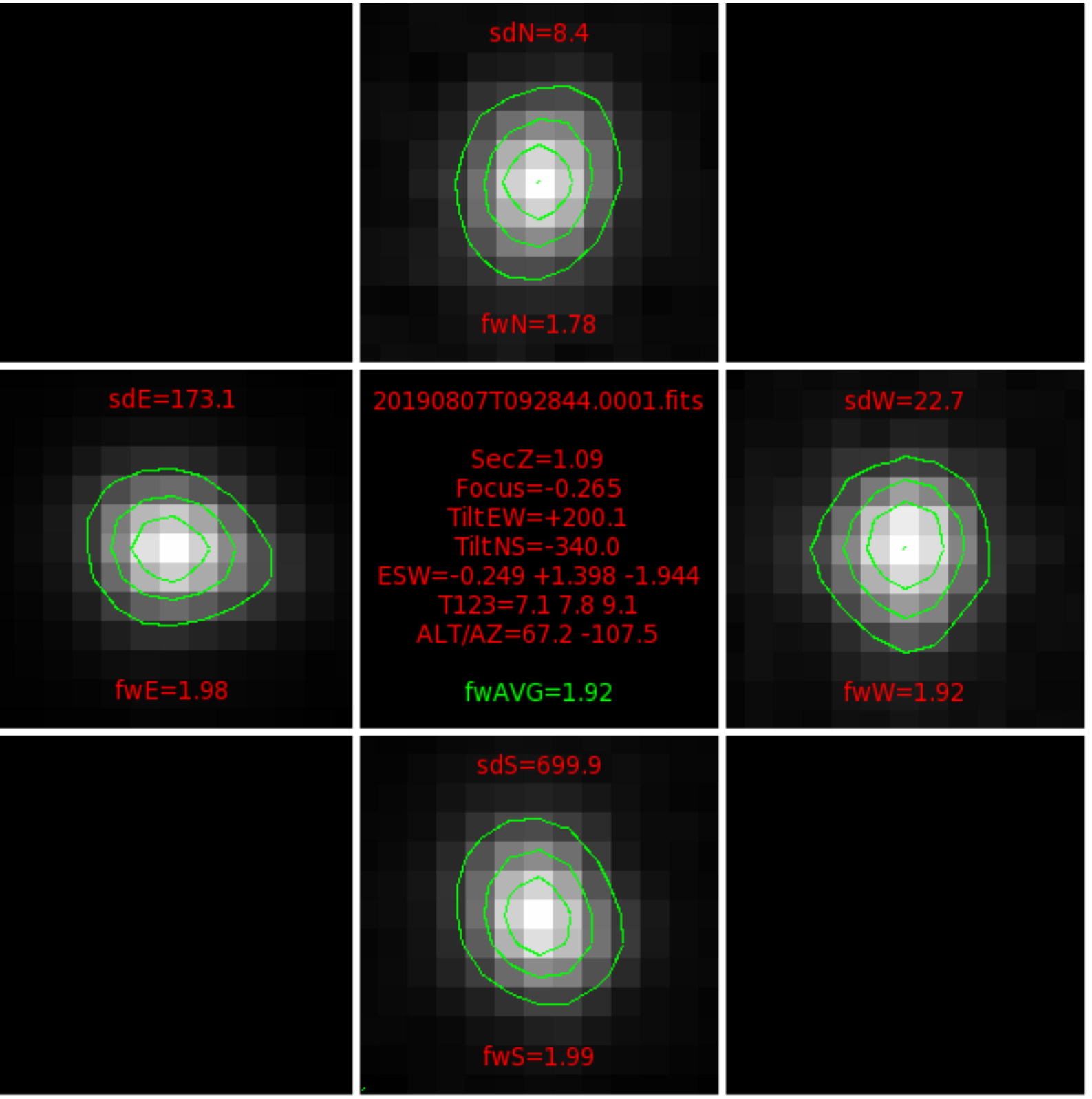

sdN=63.2
fwN=1.80
sdE=29.0
fwE=1.95
20190807T092410.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=74.4 -125.8
fwAVG=1.88
sdW=19.8
fwW=1.86
sdS=7.2
fwS=1.92
0 0 0 0 0 0 0 0 0

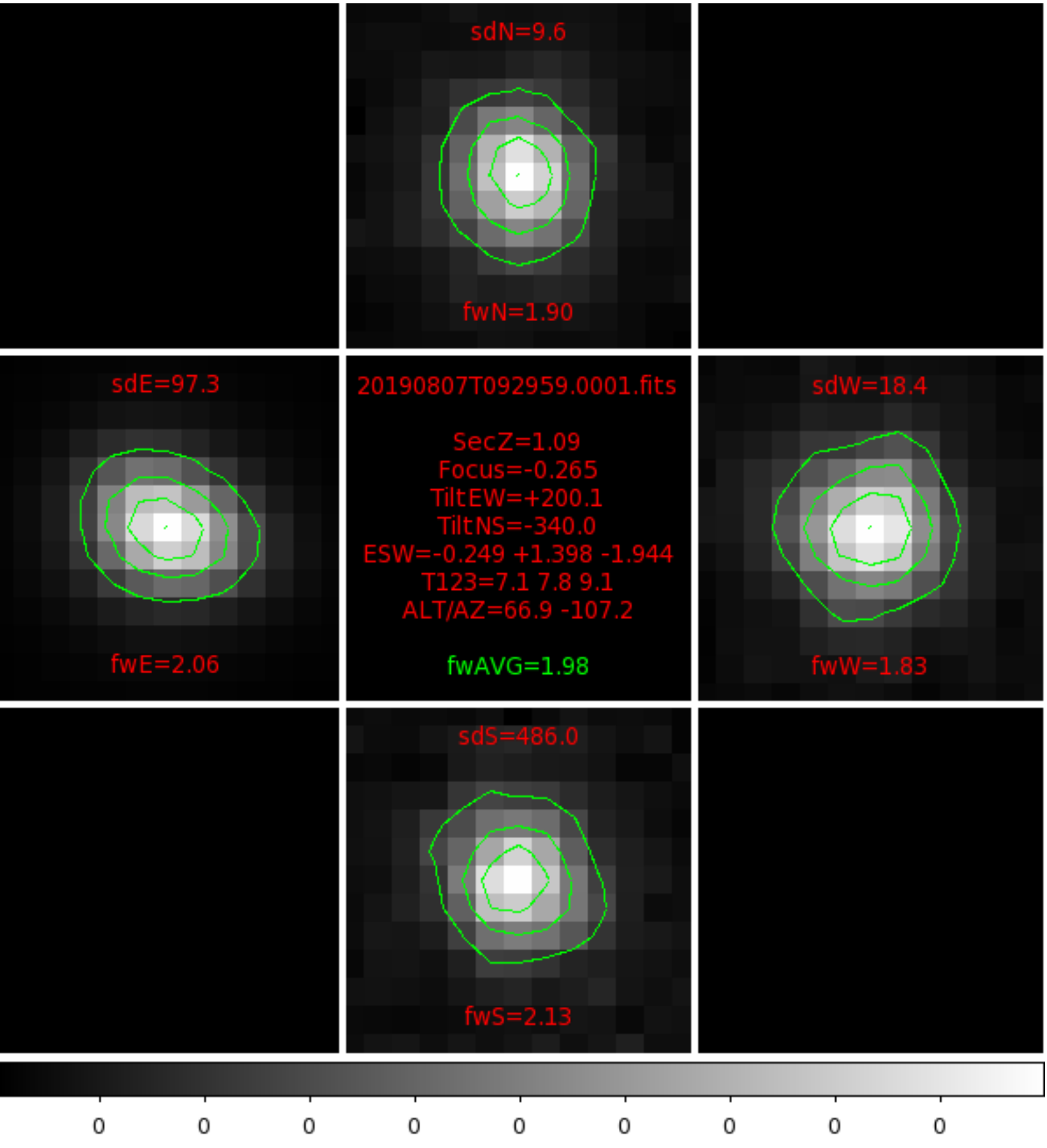

sdN=125.3
fwN=1.65
sdE=59.3
fwE=1.80
20190807T092445.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=74.3 -125.4
fwAVG=1.71
sdW=45.4
fwW=1.55
sdS=11.0
fwS=1.83
0 0 0 0 0 0 0 0 0

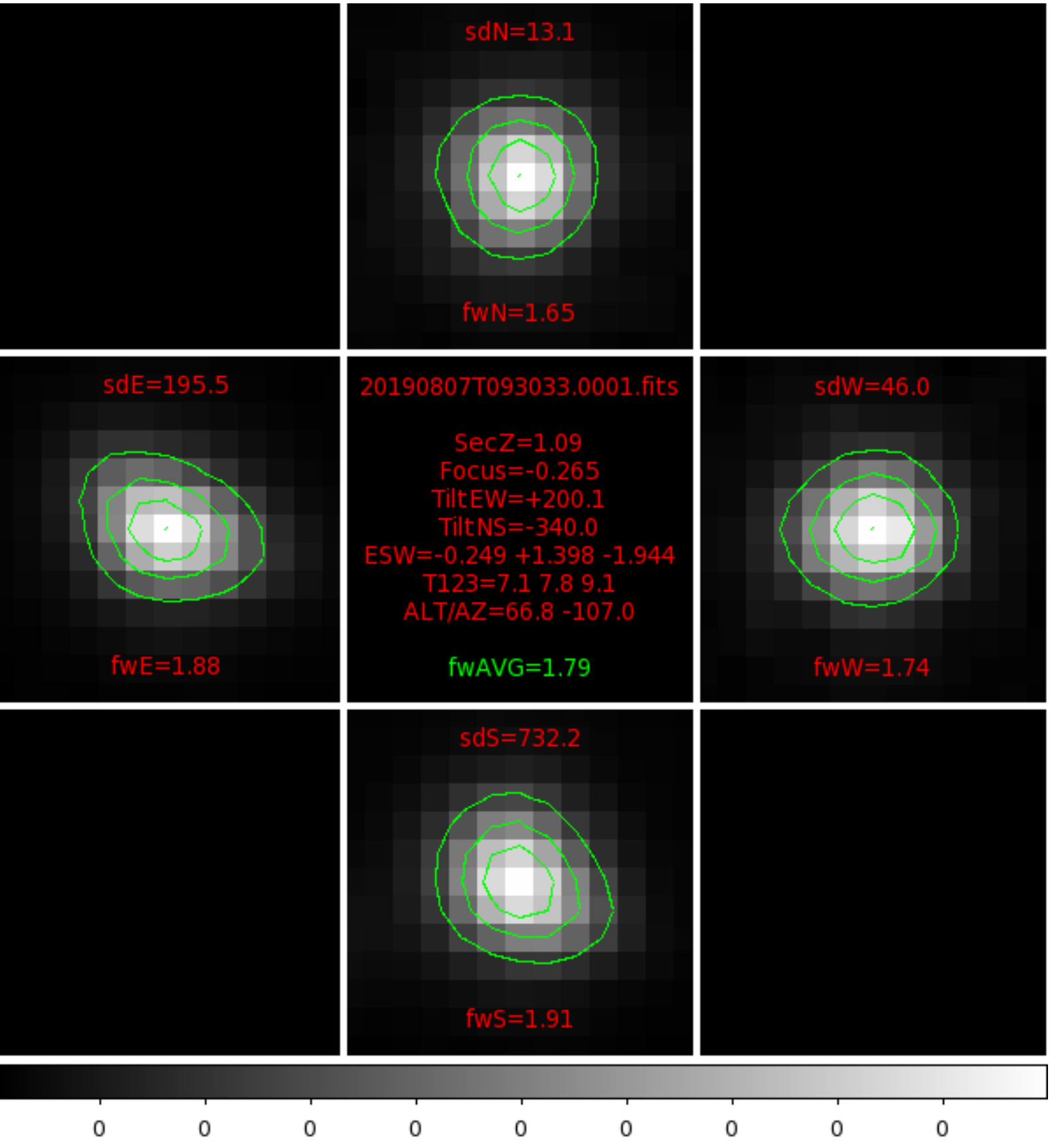

sdN=140.7
fwN=1.60
sdE=88.3
fwE=1.73
20190807T092608.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=74.0 -124.6
fwAVG=1.62
sdW=60.9
fwW=1.46
sdS=14.3
fwS=1.69
0 0 0 0 0 0 0 0 0

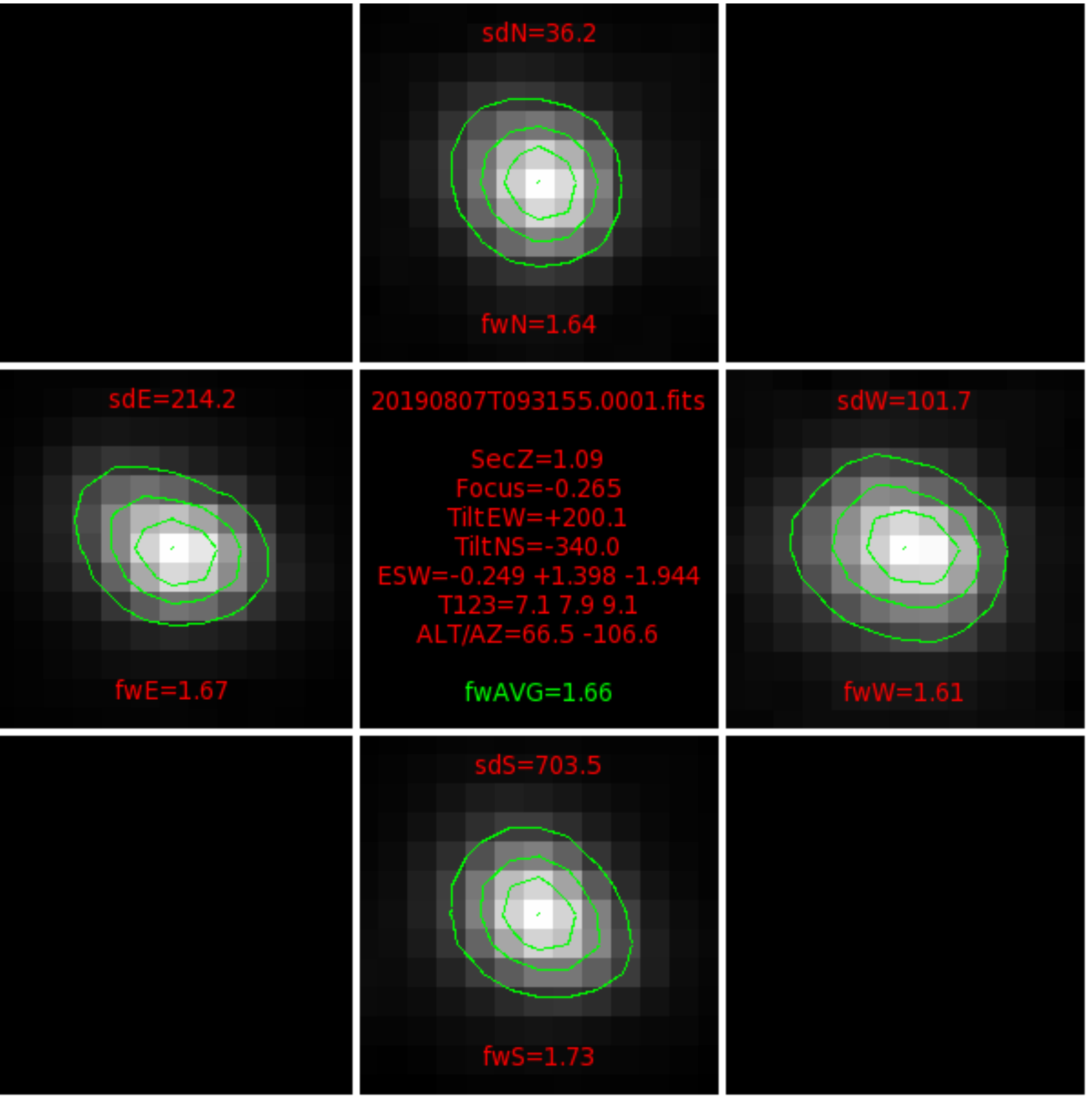

sdN=230.0
fwN=1.67
sdE=157.0
fwE=1.83
20190807T092644.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=73.9 -124.3
fwAVG=1.73
sdW=112.2
fwW=1.61
sdS=23.7
fwS=1.80
0 0 0 0 0 0 0 0 0

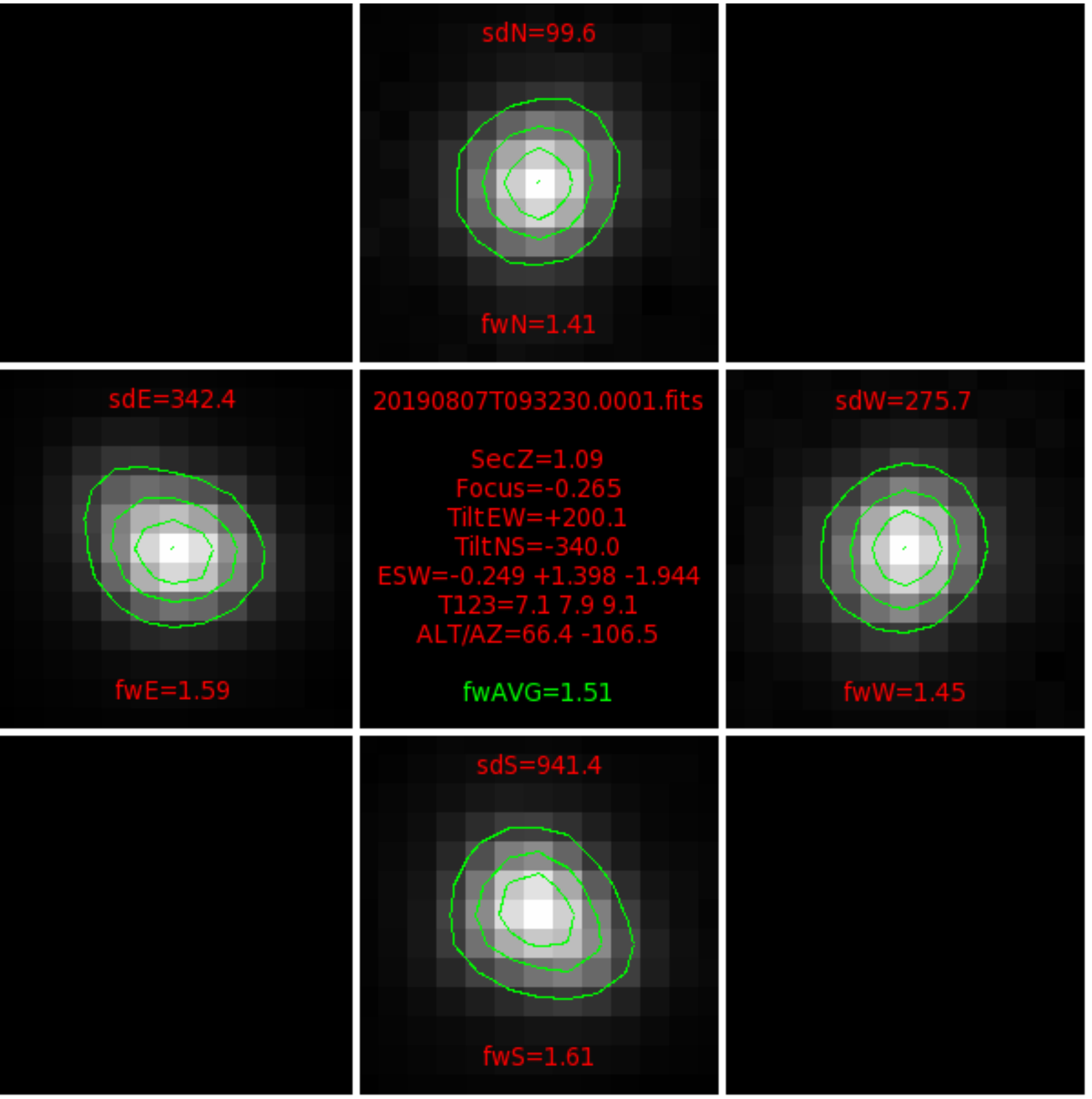

sdN=88.9
fwN=1.53
sdE=79.3
fwE=1.71
20190807T092804.0001.fits
SecZ=1.08
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=67.3 -107.7
fwAVG=1.62
sdW=46.3
fwW=1.51
sdS=330.5
fwS=1.75
0 0 0 0 0 0 0 0 0


sdN=8.4
fwN=1.78
sdE=173.1
fwE=1.98
20190807T092844.0001.fits
SecZ=1.09
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=67.2 -107.5
fwAVG=1.92
sdW=22.7
fwW=1.92
sdS=699.9
fwS=1.99
0 0 0 0 0 0 0 0 0


sdN=9.6
fwN=1.90
sdE=97.3
fwE=2.06
20190807T092959.0001.fits
SecZ=1.09
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=66.9 -107.2
fwAVG=1.98
sdW=18.4
fwW=1.83
sdS=486.0
fwS=2.13
0 0 0 0 0 0 0 0 0


sdN=13.1
fwN=1.65
sdE=195.5
fwE=1.88
20190807T093033.0001.fits
SecZ=1.09
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=66.8 -107.0
fwAVG=1.79
sdW=46.0
fwW=1.74
sdS=732.2
fwS=1.91
0 0 0 0 0 0 0 0 0


sdN=36.2
fwN=1.64
sdE=214.2
fwE=1.67
20190807T093155.0001.fits
SecZ=1.09
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.9 9.1
ALT/AZ=66.5 -106.6
fwAVG=1.66
sdW=101.7
fwW=1.61
sdS=703.5
fwS=1.73
0 0 0 0 0 0 0 0 0


sdN=99.6
fwN=1.41
sdE=342.4
fwE=1.59
20190807T093230.0001.fits
SecZ=1.09
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.9 9.1
ALT/AZ=66.4 -106.5
fwAVG=1.51
sdW=275.7
fwW=1.45
sdS=941.4
fwS=1.61
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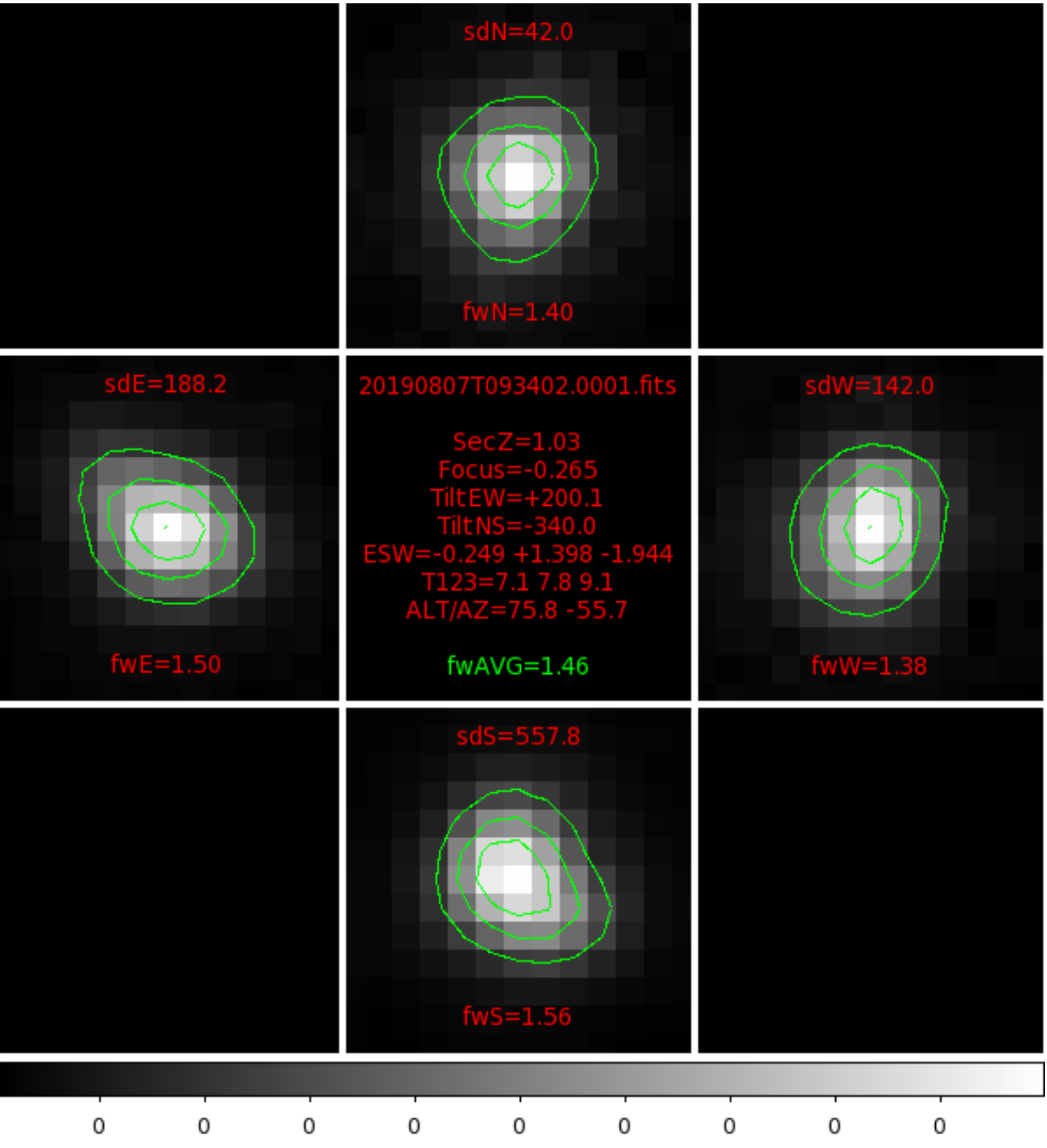
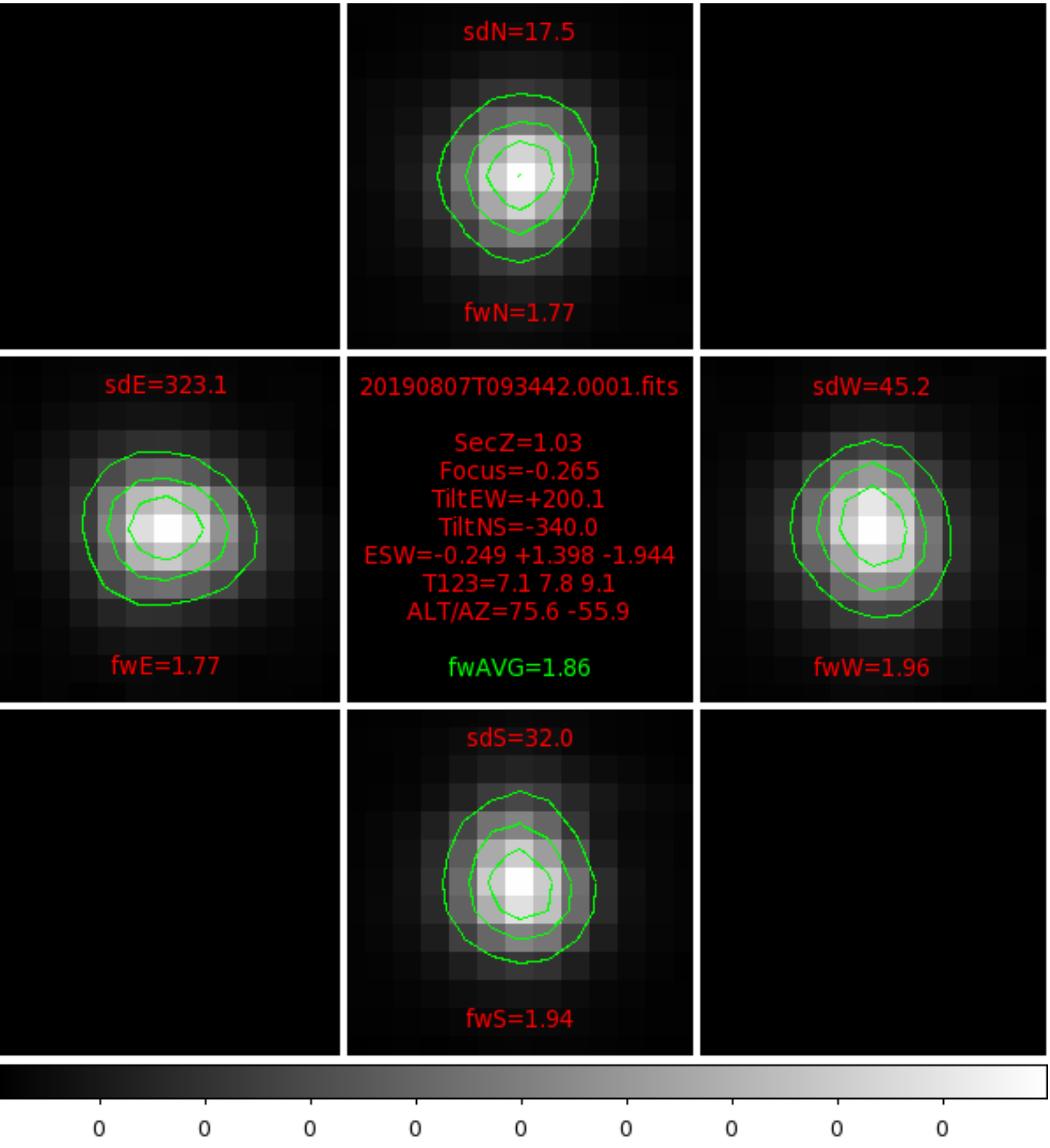
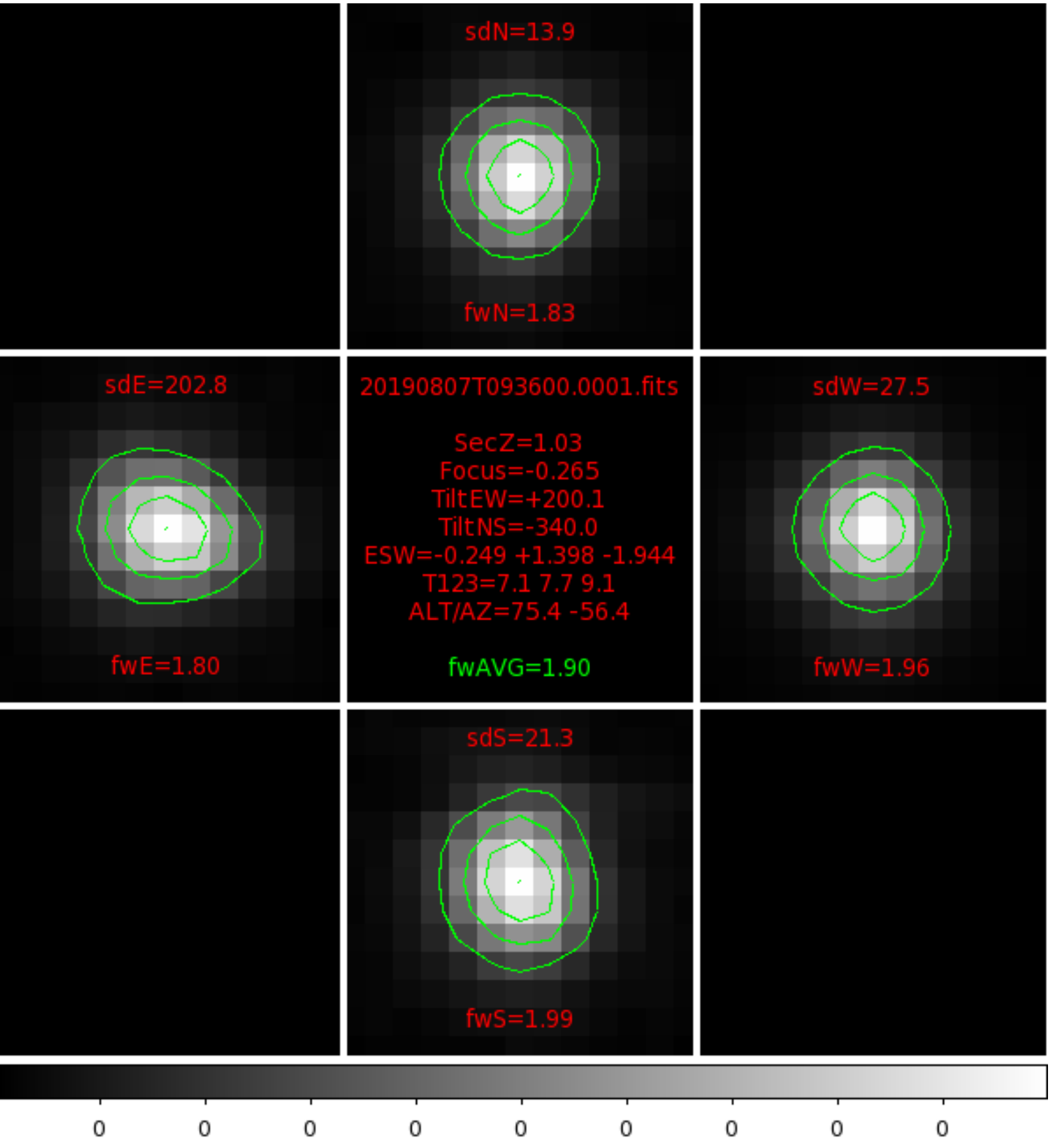

sdN=42.0
fwN=1.40
sdE=188.2
fwE=1.50
20190807T093402.0001.fits
SecZ=1.03
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=75.8 -55.7
fwAVG=1.46
sdW=142.0
fwW=1.38
sdS=557.8
fwS=1.56
0 0 0 0 0 0 0 0 0


sdN=17.5
fwN=1.77
sdE=323.1
fwE=1.77
20190807T093442.0001.fits
SecZ=1.03
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=75.6 -55.9
fwAVG=1.86
sdW=45.2
fwW=1.96
sdS=32.0
fwS=1.94
0 0 0 0 0 0 0 0 0


sdN=13.9
fwN=1.83
sdE=202.8
fwE=1.80
20190807T093600.0001.fits
SecZ=1.03
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.7 9.1
ALT/AZ=75.4 -56.4
fwAVG=1.90
sdW=27.5
fwW=1.96
sdS=21.3
fwS=1.99
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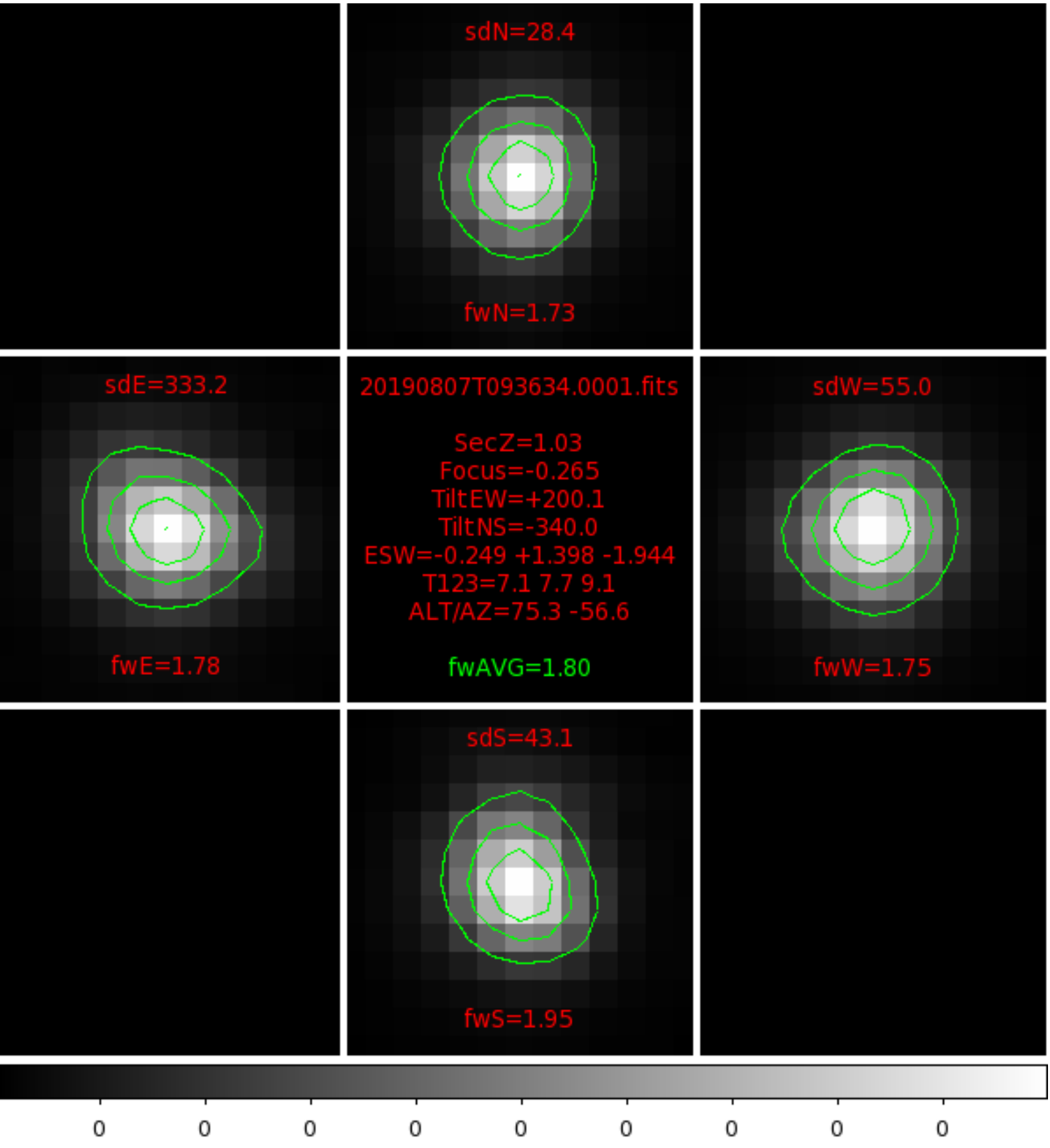
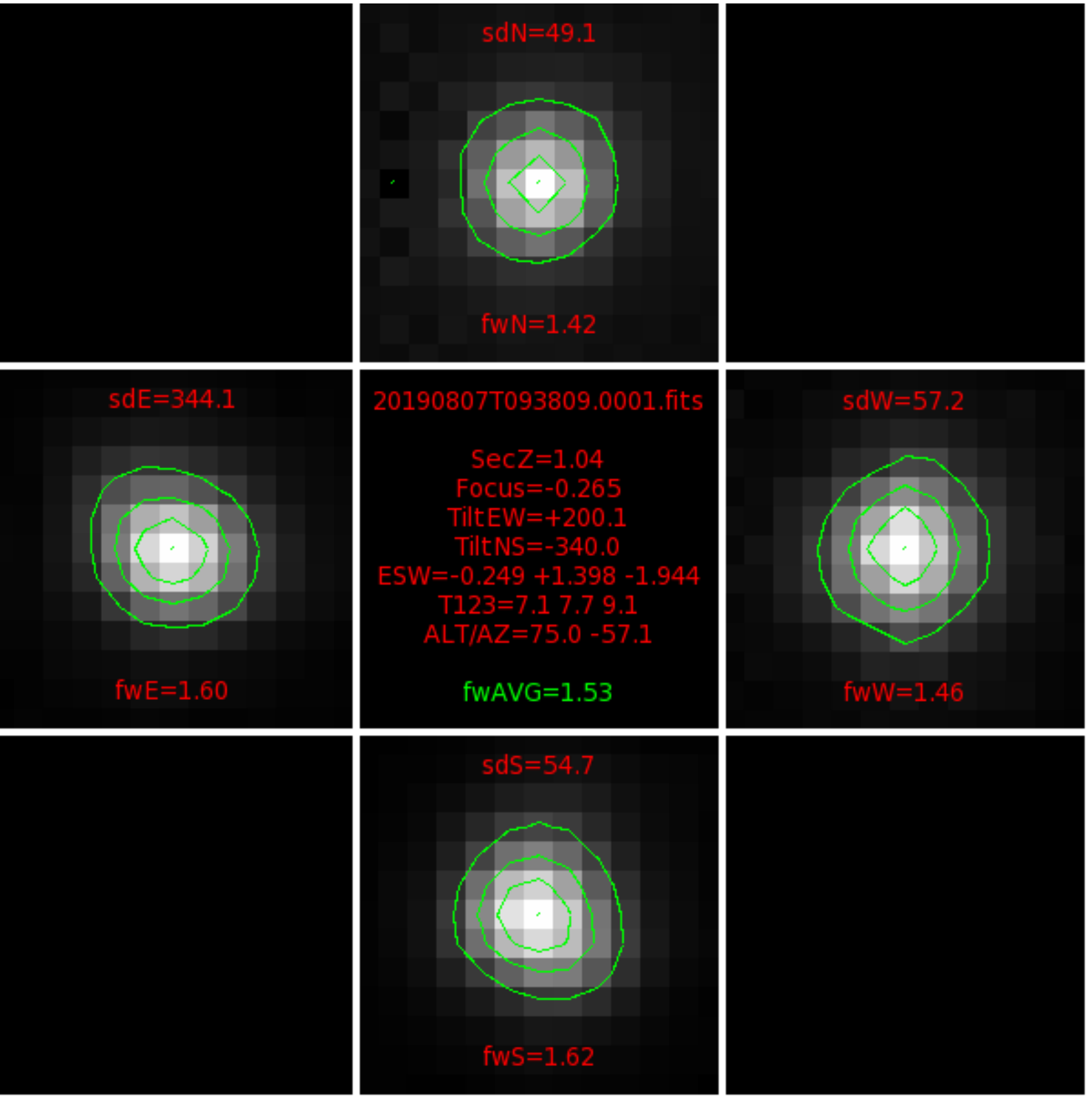

sdN=28.4
fwN=1.73
sdE=333.2
fwE=1.78
20190807T093634.0001.fits
SecZ=1.03
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.7 9.1
ALT/AZ=75.3 -56.6
fwAVG=1.80
sdW=55.0
fwW=1.75
sdS=43.1
fwS=1.95
0 0 0 0 0 0 0 0 0


sdN=49.1
fwN=1.42
sdE=344.1
fwE=1.60
20190807T093809.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.7 9.1
ALT/AZ=75.0 -57.1
fwAVG=1.53
sdW=57.2
fwW=1.46
sdS=54.7
fwS=1.62
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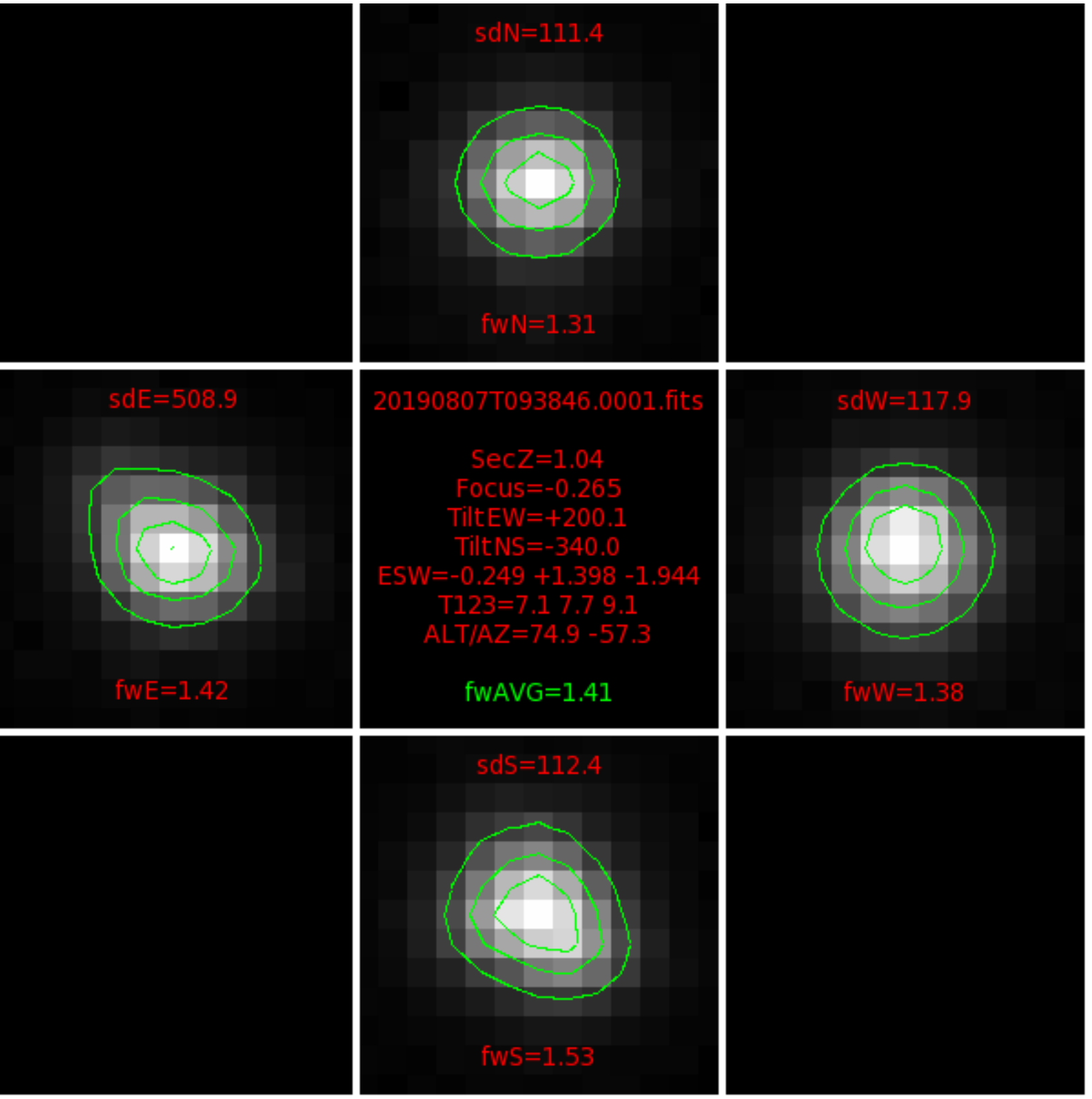
sdN=111.4
fwN=1.31
sdE=508.9
fwE=1.42
20190807T093846.0001.fits
SecZ=1.04
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.7 9.1
ALT/AZ=74.9 -57.3
fwAVG=1.41
sdW=117.9
fwW=1.38
sdS=112.4
fwS=1.53
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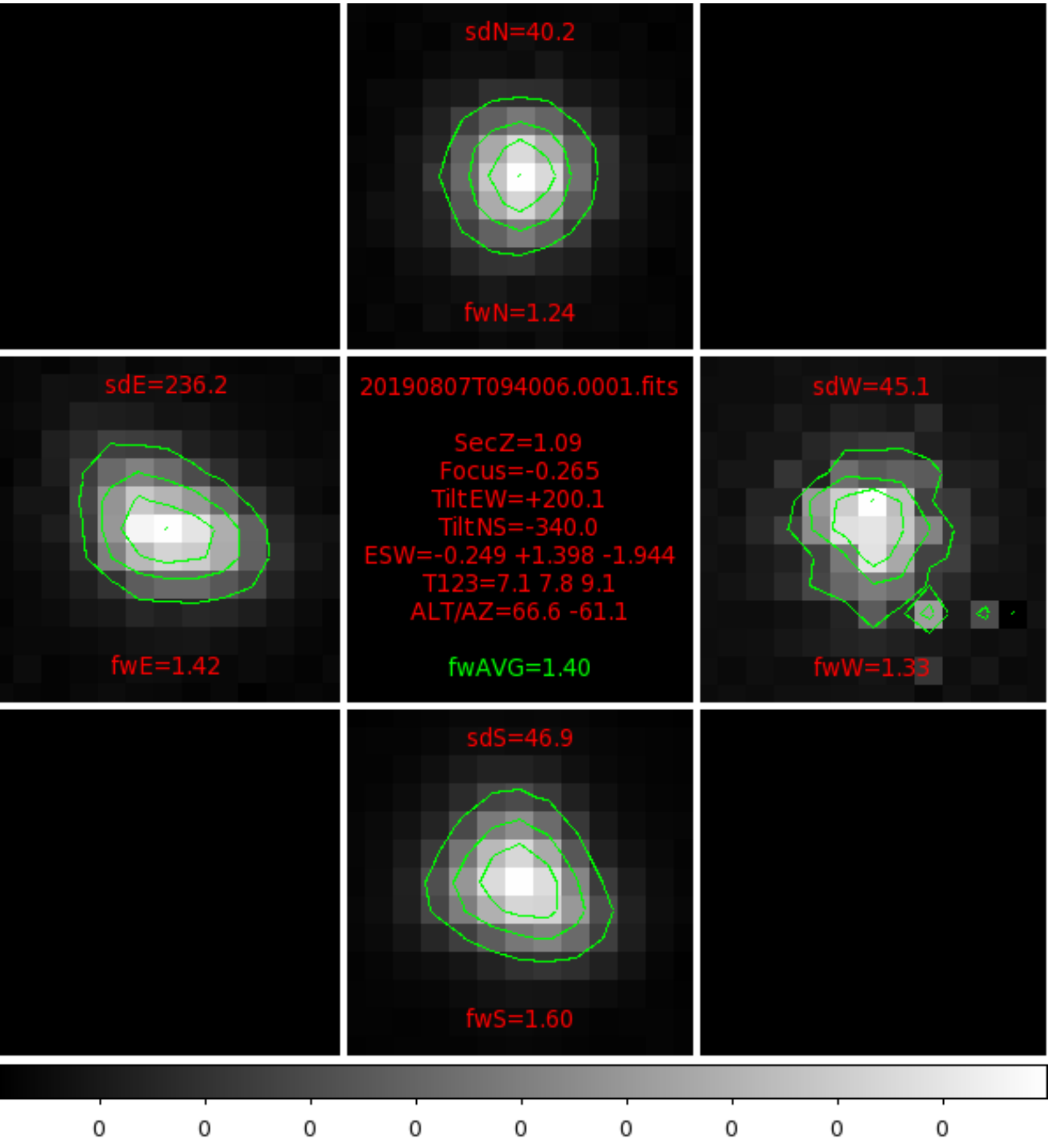
sdN=40.2
fwN=1.24
sdE=236.2
fwE=1.42
20190807T094006.0001.fits
SecZ=1.09
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=66.6 -61.1
fwAVG=1.40
sdW=45.1
fwW=1.33
sdS=46.9
fwS=1.60
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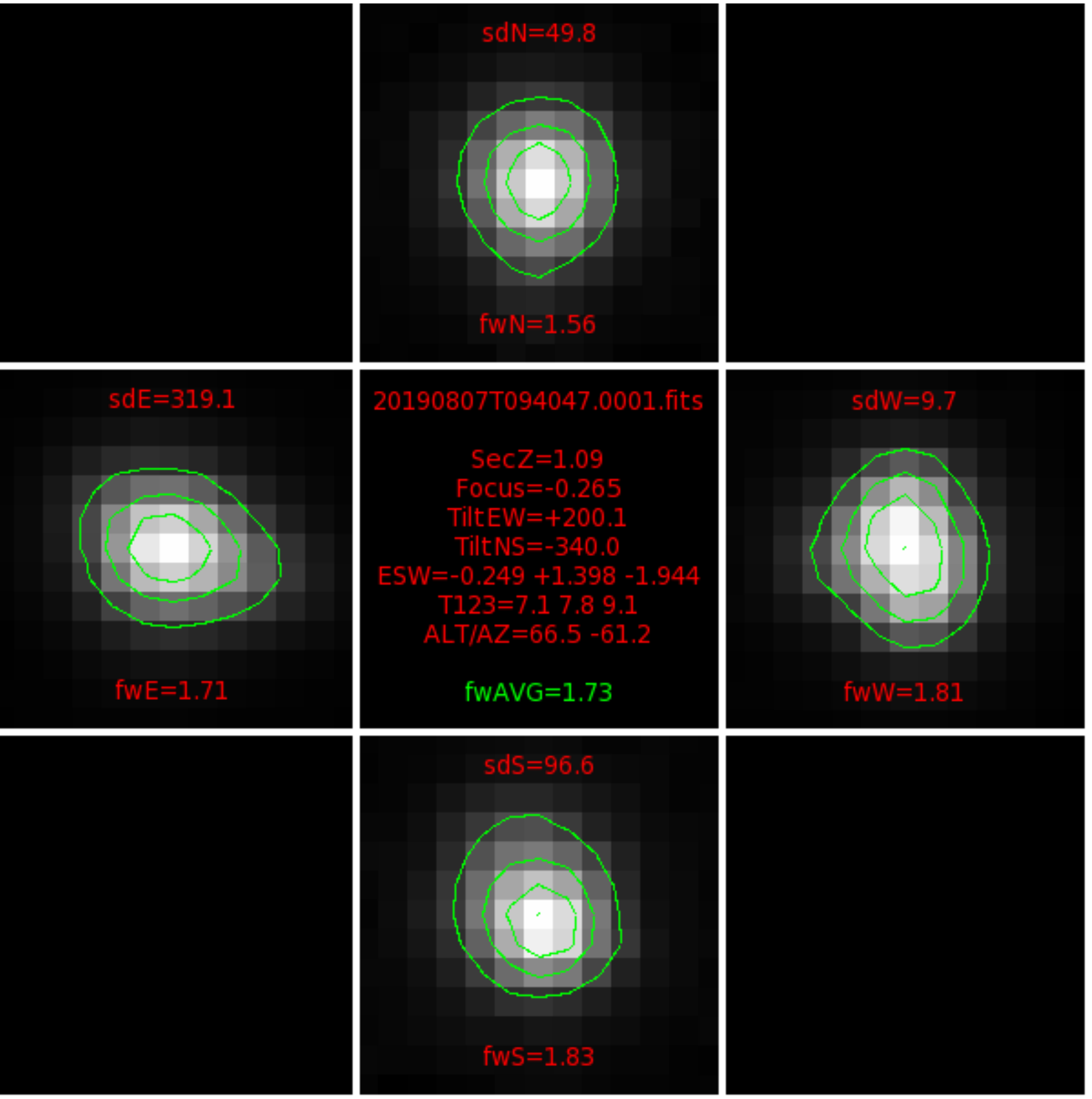
sdN=49.8
fwN=1.56
sdE=319.1
fwE=1.71
20190807T094047.0001.fits
SecZ=1.09
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=66.5 -61.2
fwAVG=1.73
sdW=9.7
fwW=1.81
sdS=96.6
fwS=1.83
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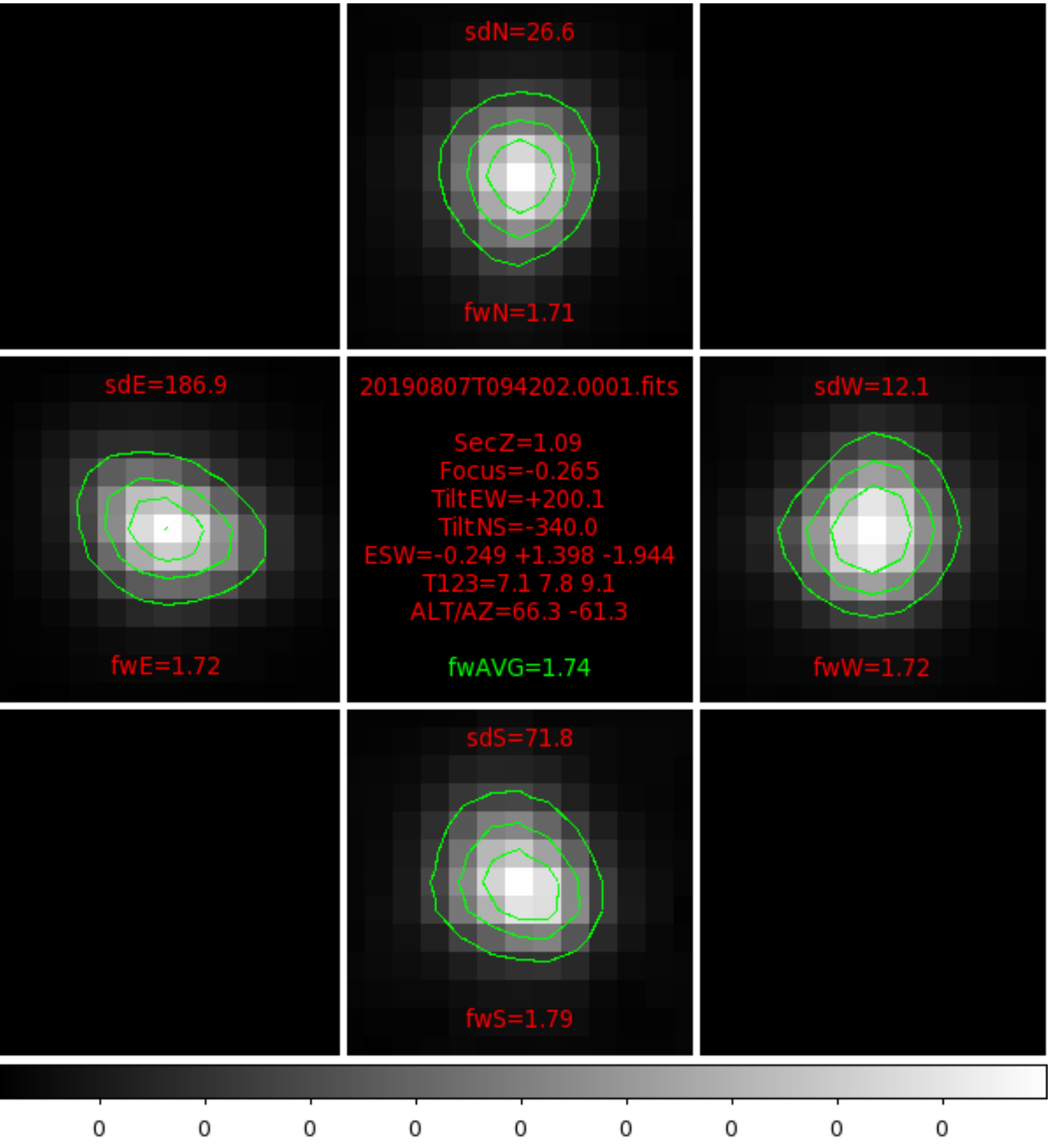
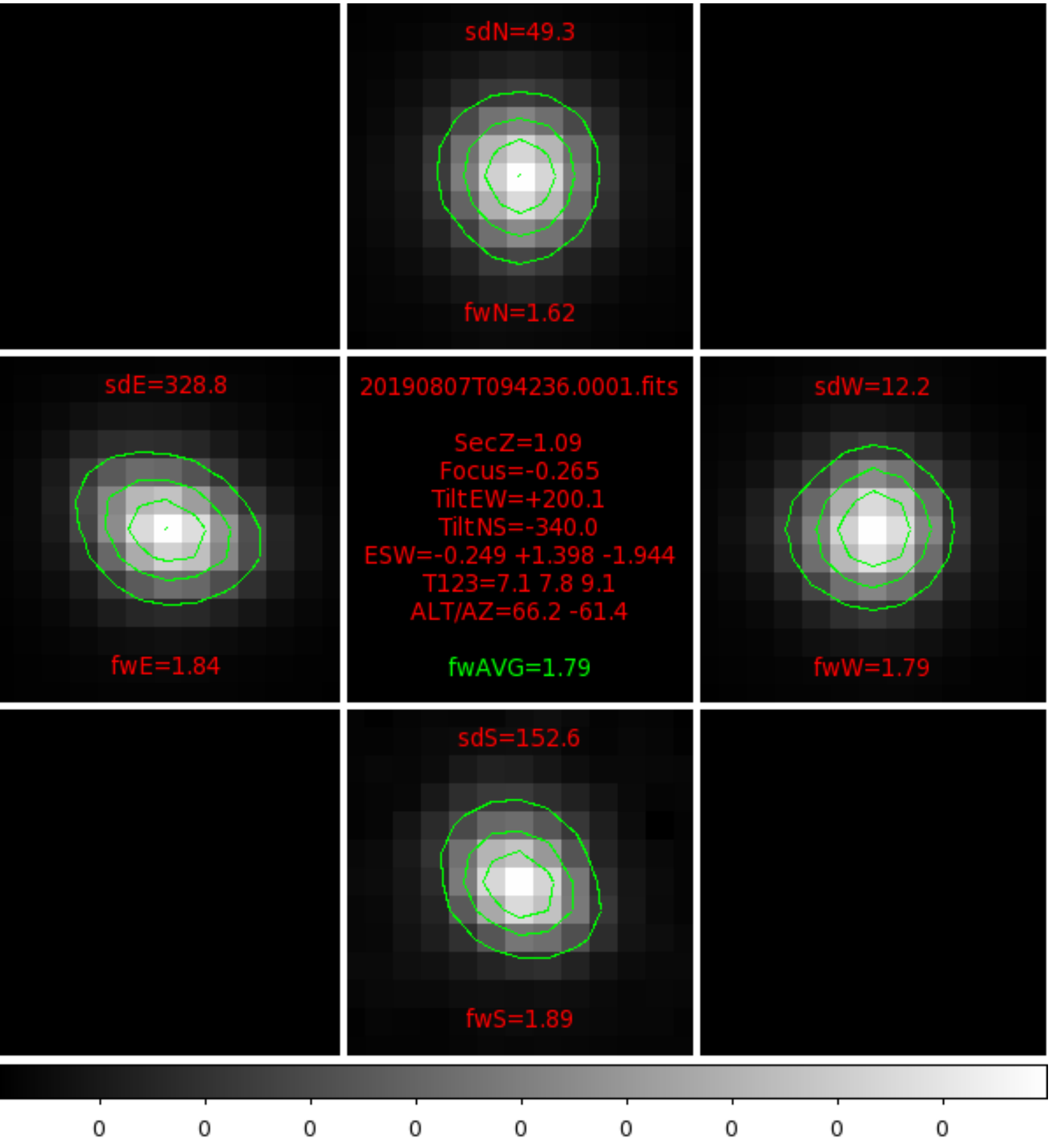

sdN=26.6
fwN=1.71
sdE=186.9
fwE=1.72
20190807T094202.0001.fits
SecZ=1.09
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=66.3 -61.3
fwAVG=1.74
sdW=12.1
fwW=1.72
sdS=71.8
fwS=1.79
0 0 0 0 0 0 0 0 0


sdN=49.3
fwN=1.62
sdE=328.8
fwE=1.84
20190807T094236.0001.fits
SecZ=1.09
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=66.2 -61.4
fwAVG=1.79
sdW=12.2
fwW=1.79
sdS=152.6
fwS=1.89
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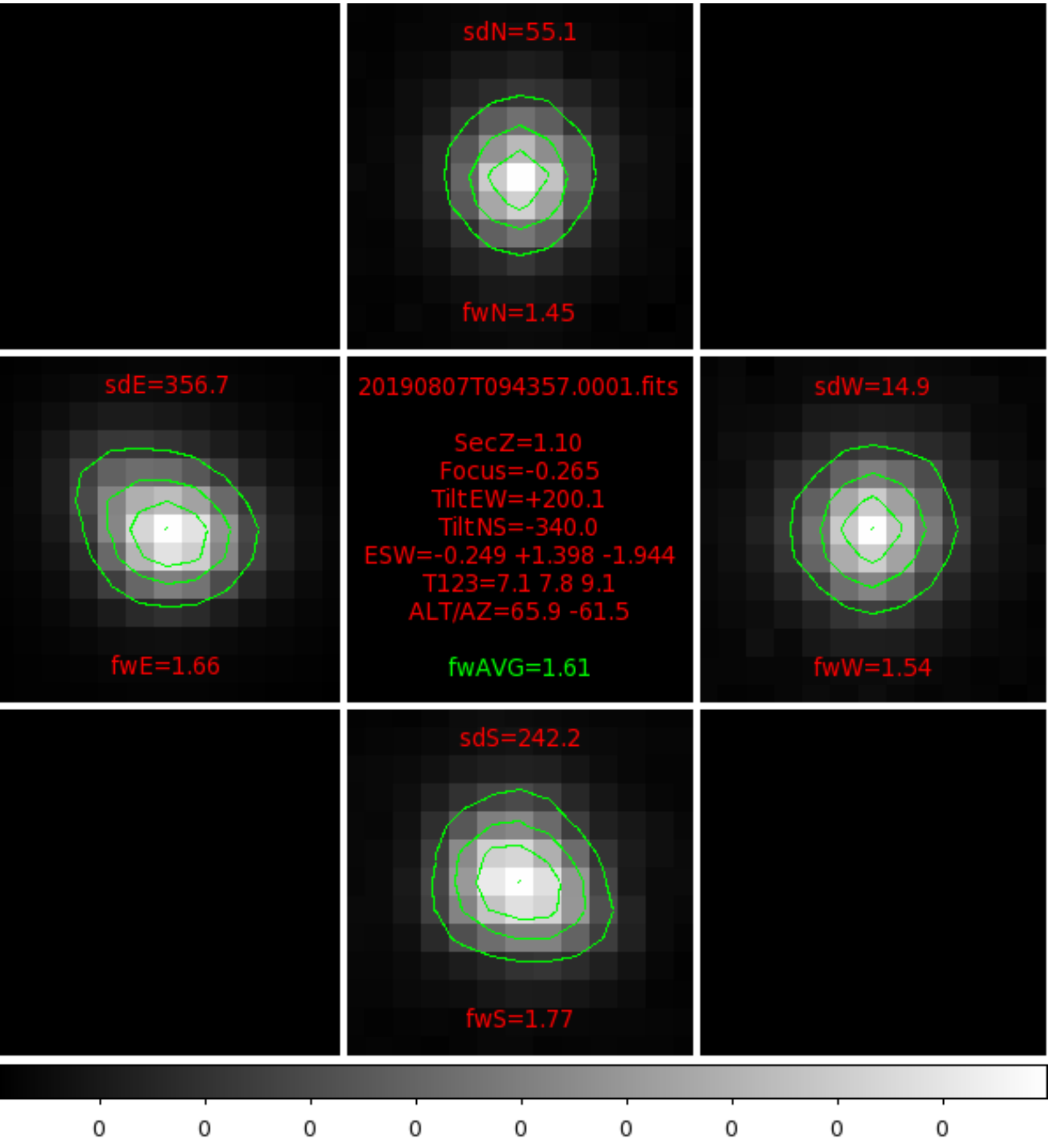
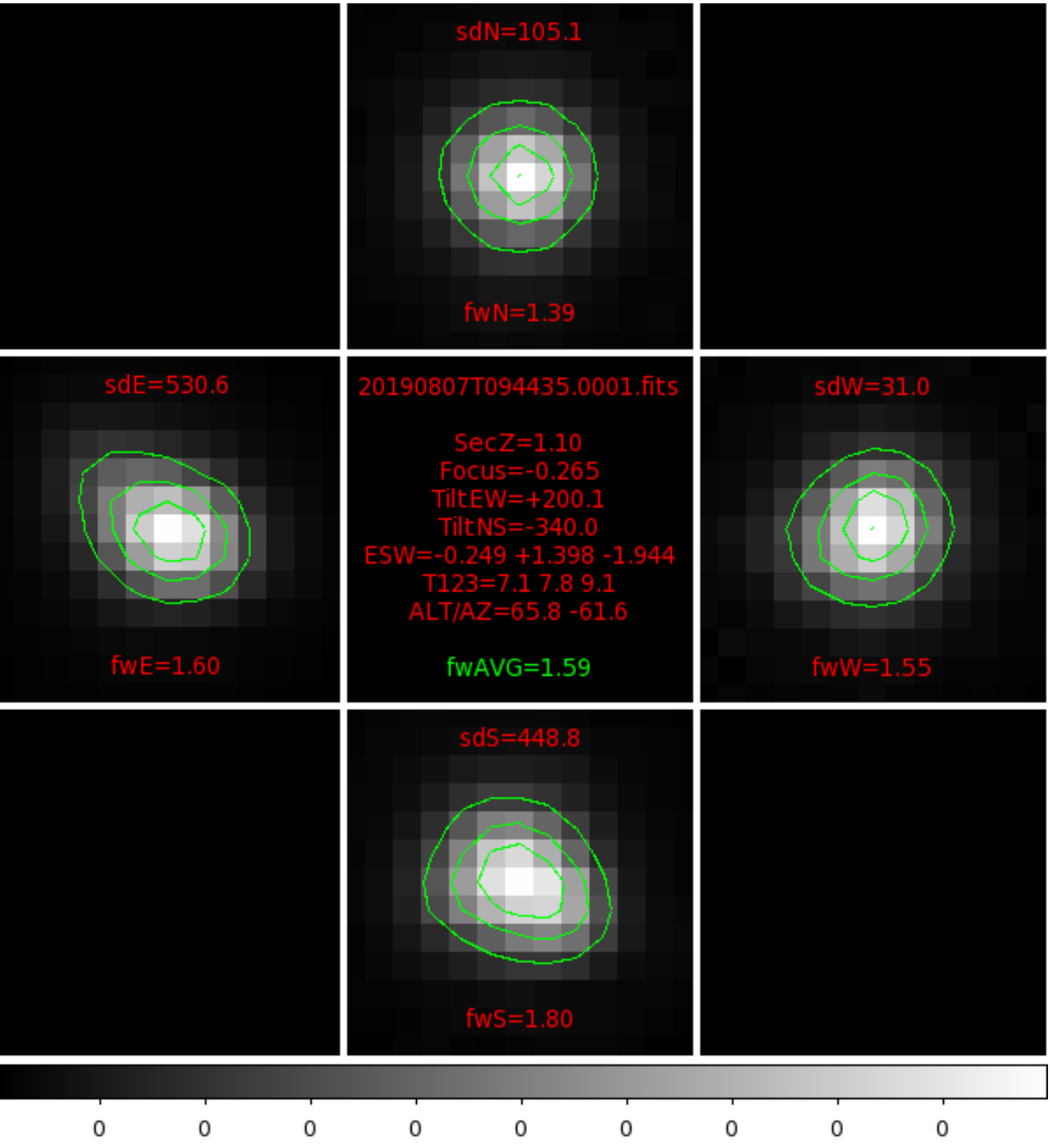
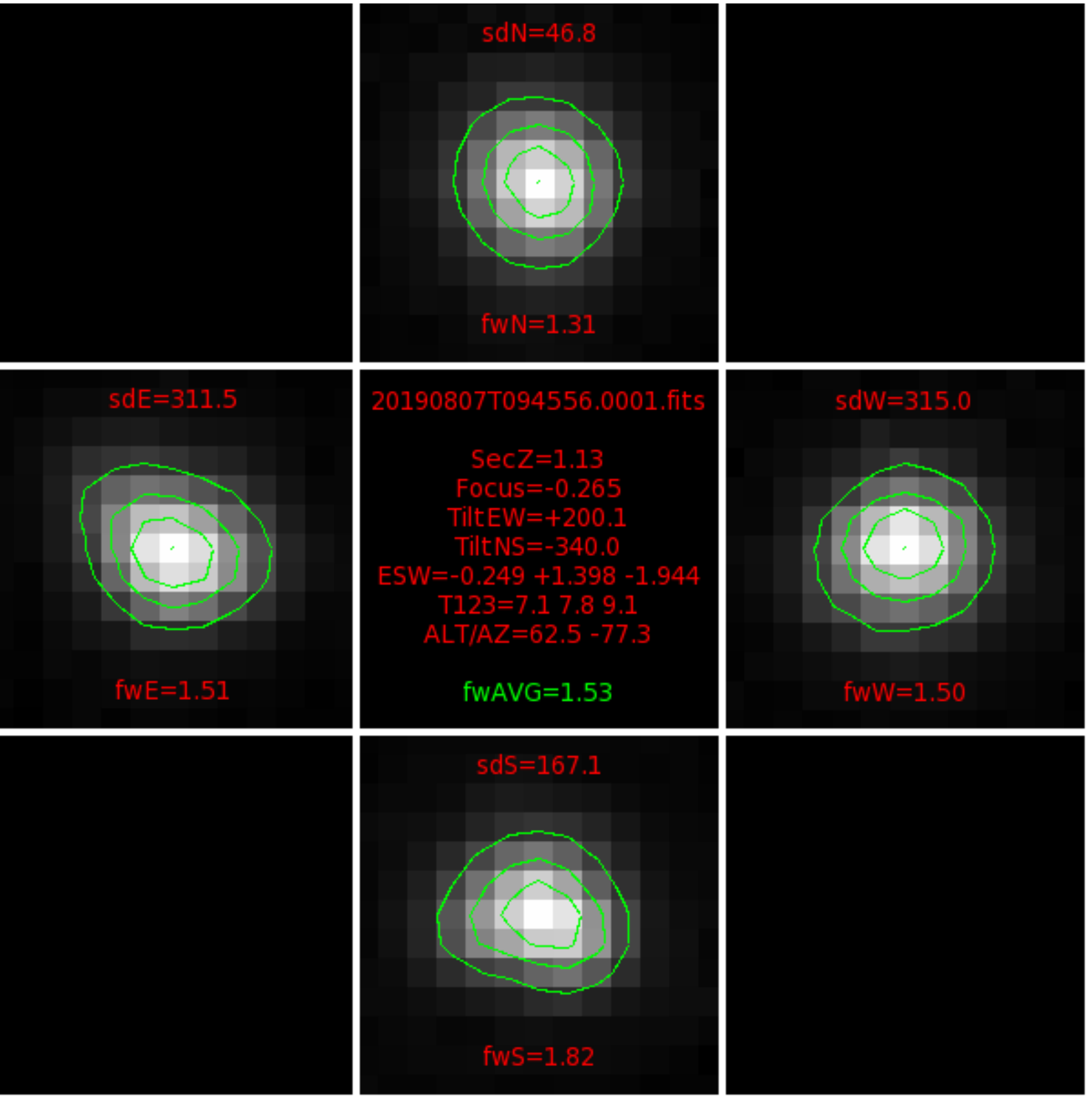
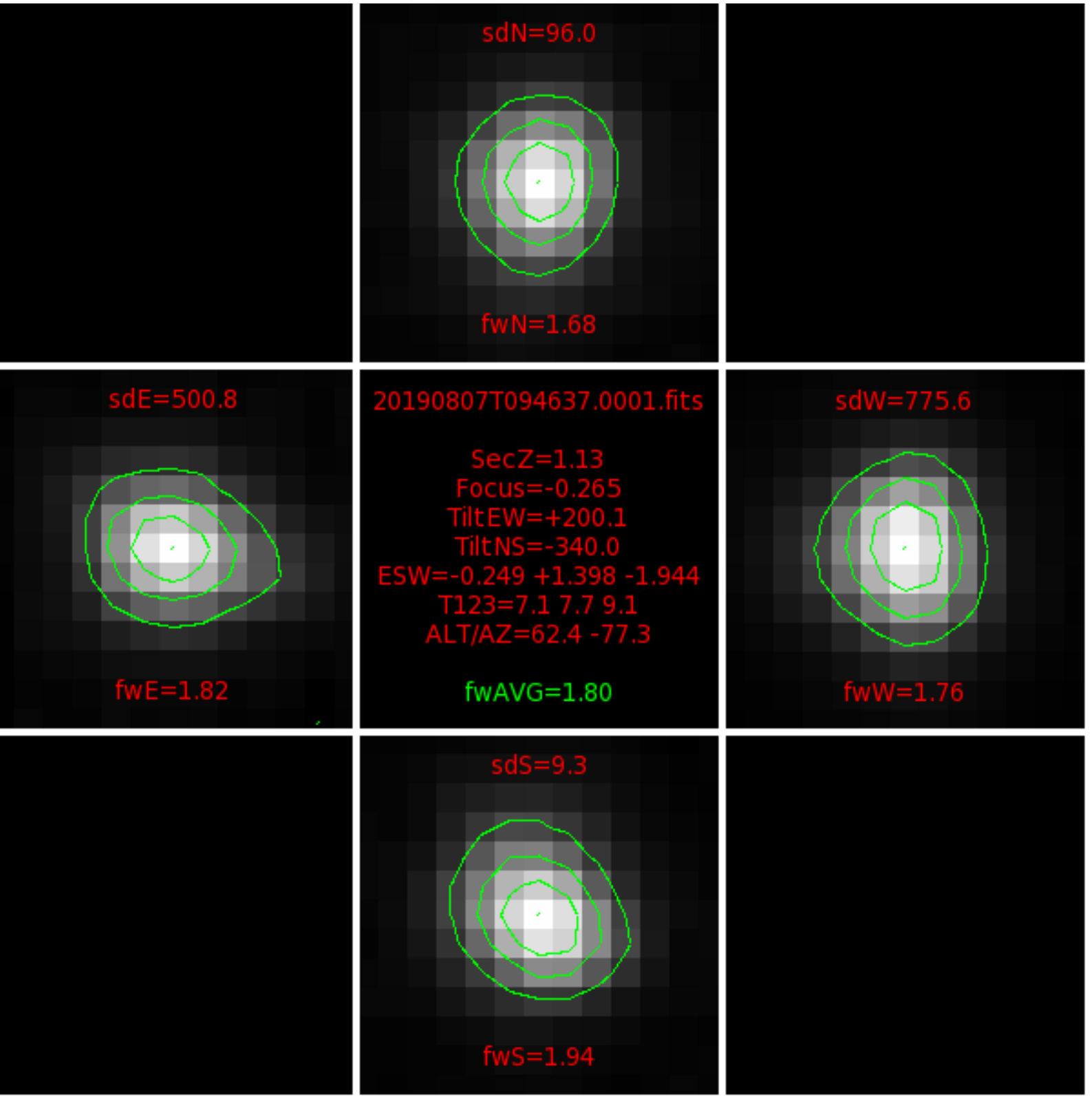

sdN=55.1
fwN=1.45
sdE=356.7
fwE=1.66
20190807T094357.0001.fits
SecZ=1.10
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=65.9 -61.5
fwAVG=1.61
sdW=14.9
fwW=1.54
sdS=242.2
fwS=1.77
0 0 0 0 0 0 0 0 0


sdN=105.1
fwN=1.39
sdE=530.6
fwE=1.60
20190807T094435.0001.fits
SecZ=1.10
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=65.8 -61.6
fwAVG=1.59
sdW=31.0
fwW=1.55
sdS=448.8
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=46.8
fwN=1.31
sdE=311.5
fwE=1.51
20190807T094556.0001.fits
SecZ=1.13
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=62.5 -77.3
fwAVG=1.53
sdW=315.0
fwW=1.50
sdS=167.1
fwS=1.82
0 0 0 0 0 0 0 0 0


sdN=96.0
fwN=1.68
sdE=500.8
fwE=1.82
20190807T094637.0001.fits
SecZ=1.13
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.7 9.1
ALT/AZ=62.4 -77.3
fwAVG=1.80
sdW=775.6
fwW=1.76
sdS=9.3
fwS=1.94
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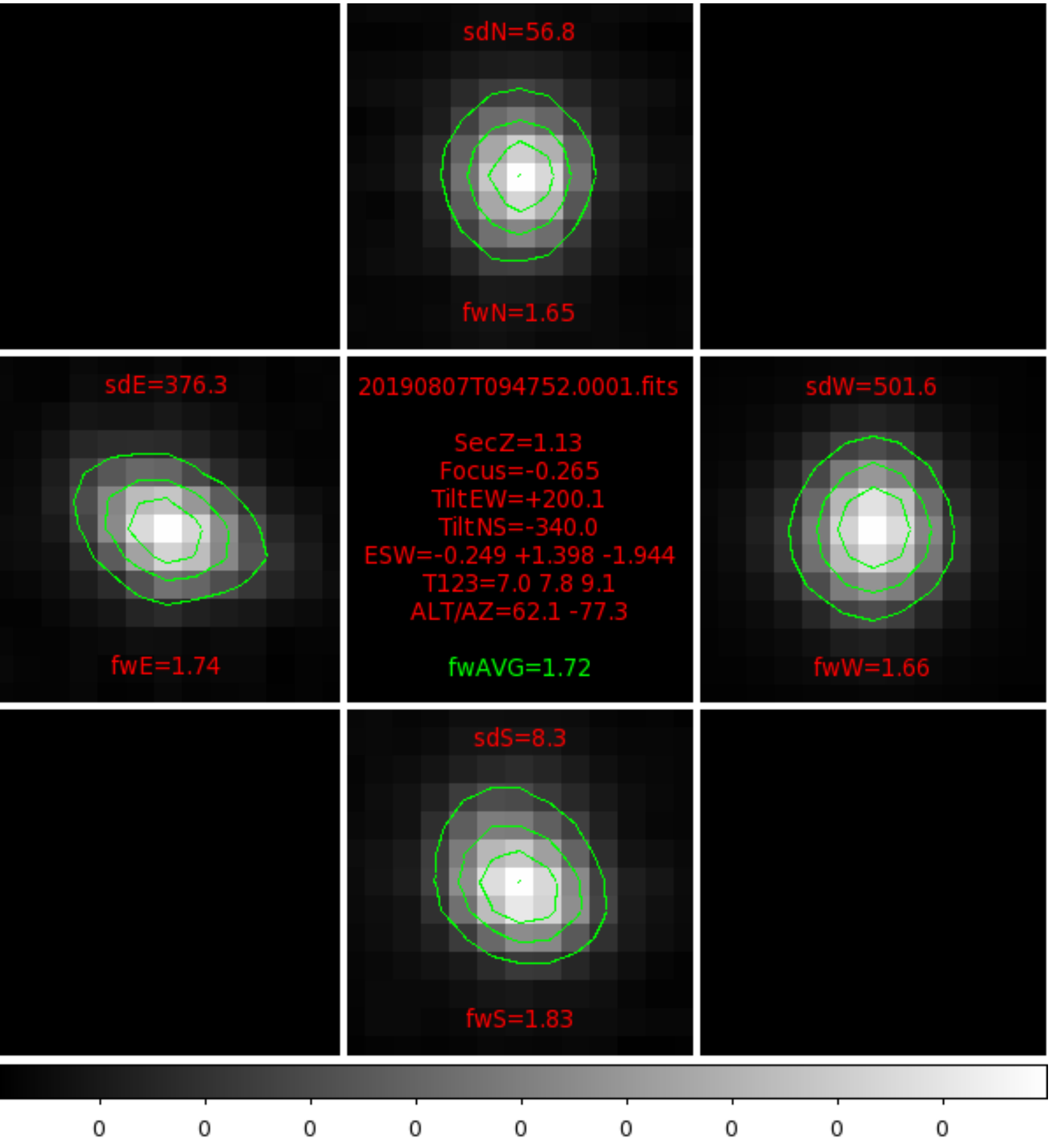
sdN=56.8
fwN=1.65
sdE=376.3
fwE=1.74
20190807T094752.0001.fits
SecZ=1.13
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.8 9.1
ALT/AZ=62.1 -77.3
fwAVG=1.72
sdW=501.6
fwW=1.66
sdS=8.3
fwS=1.83
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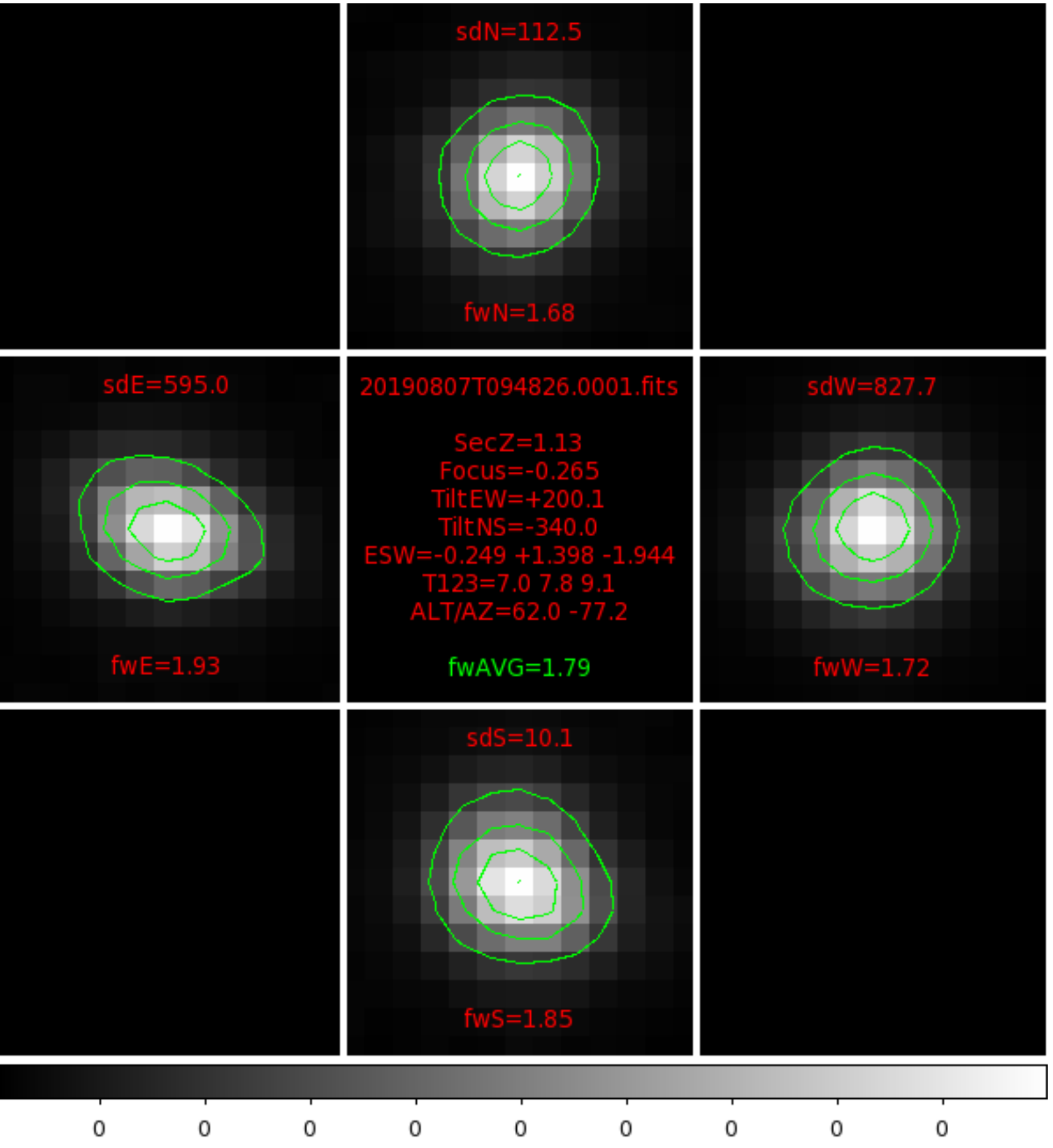
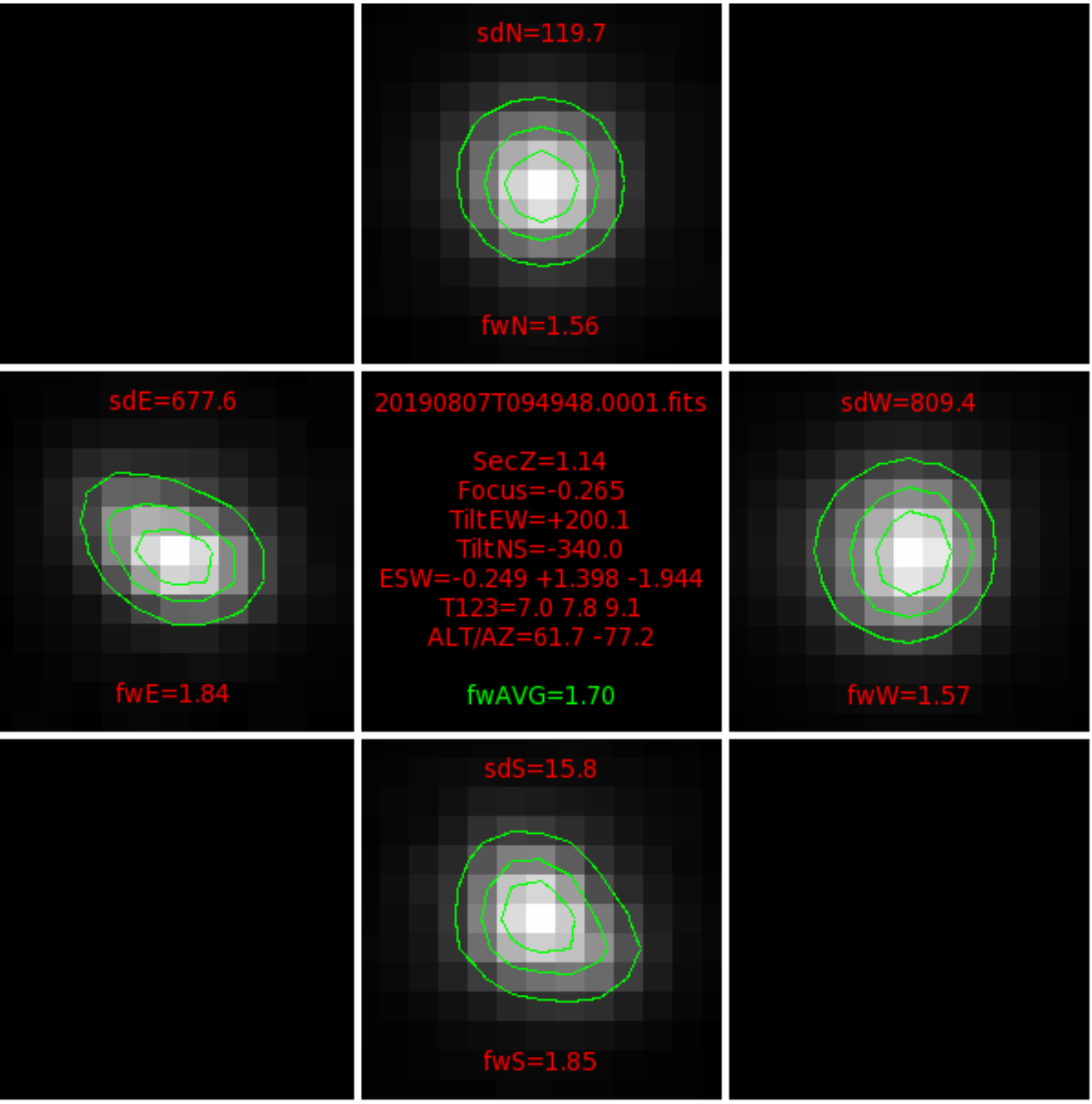
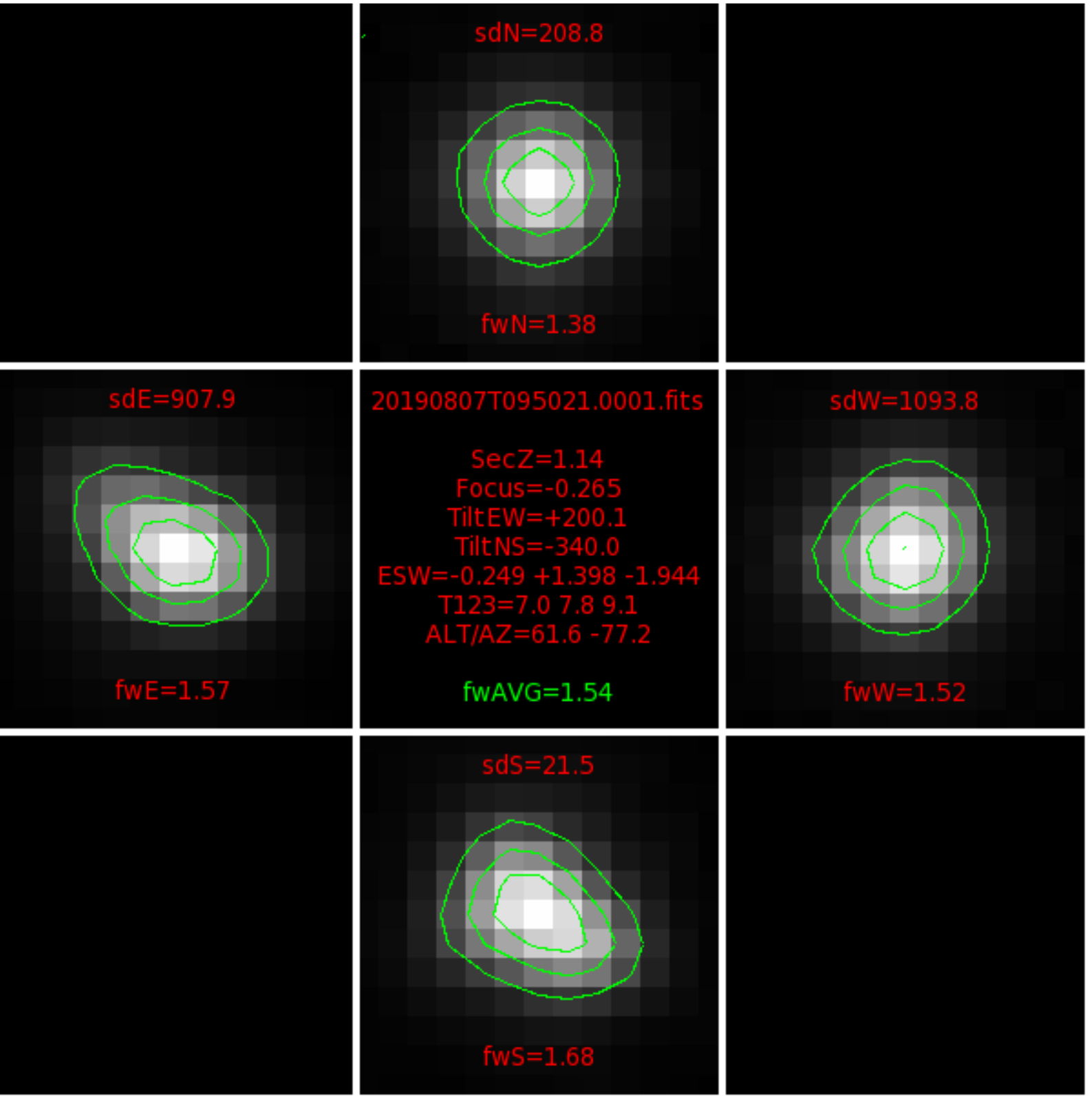
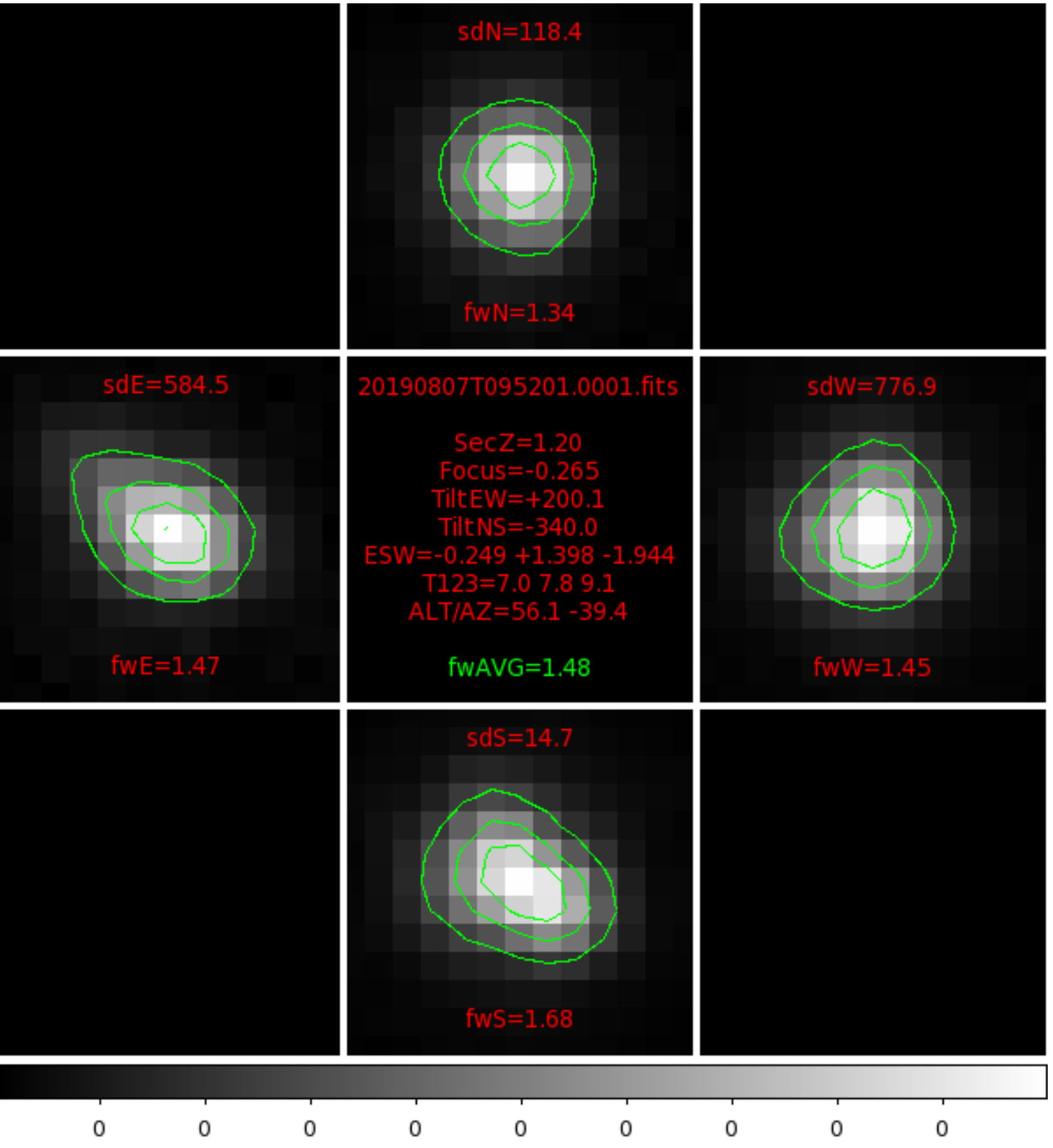
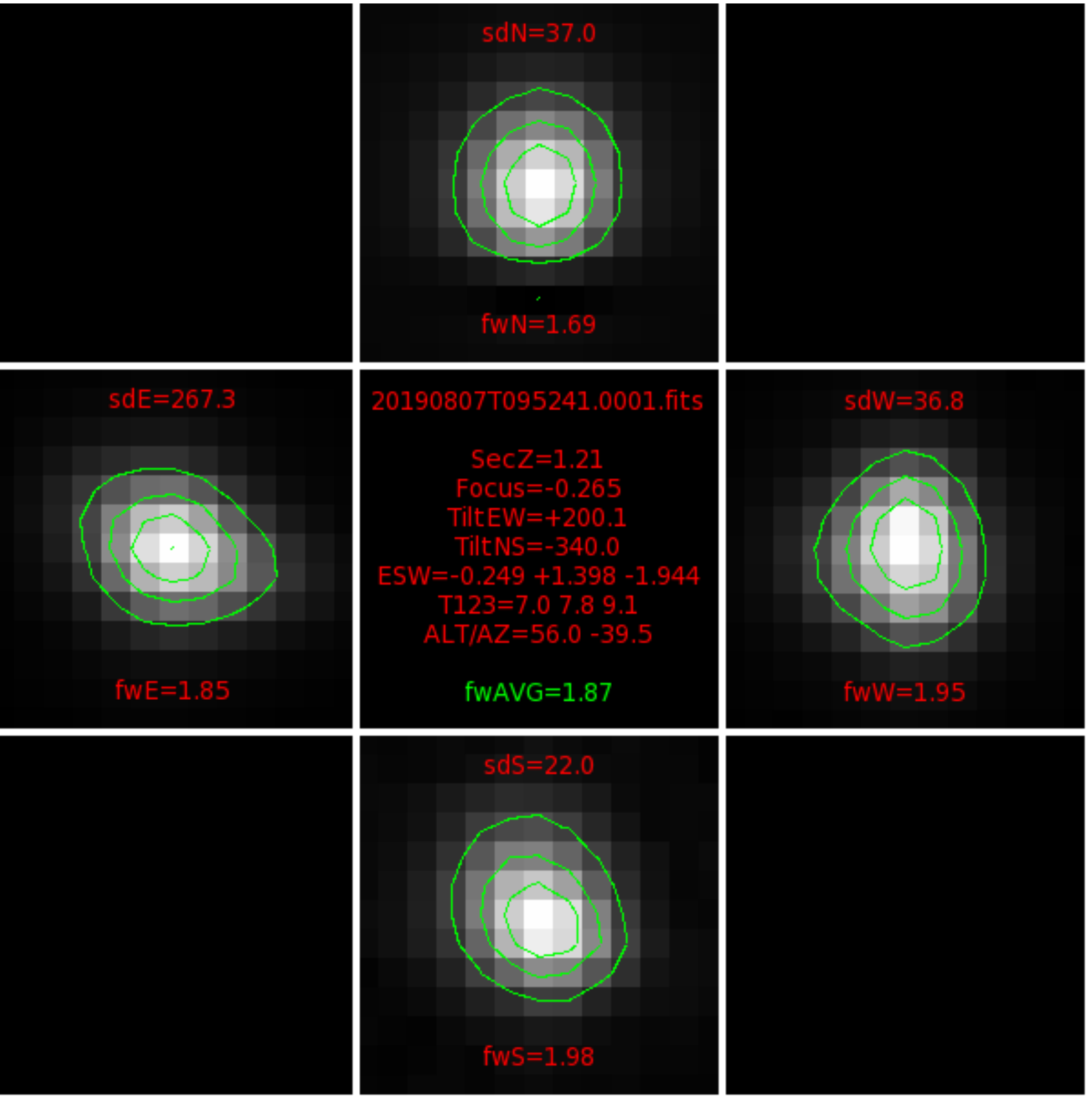
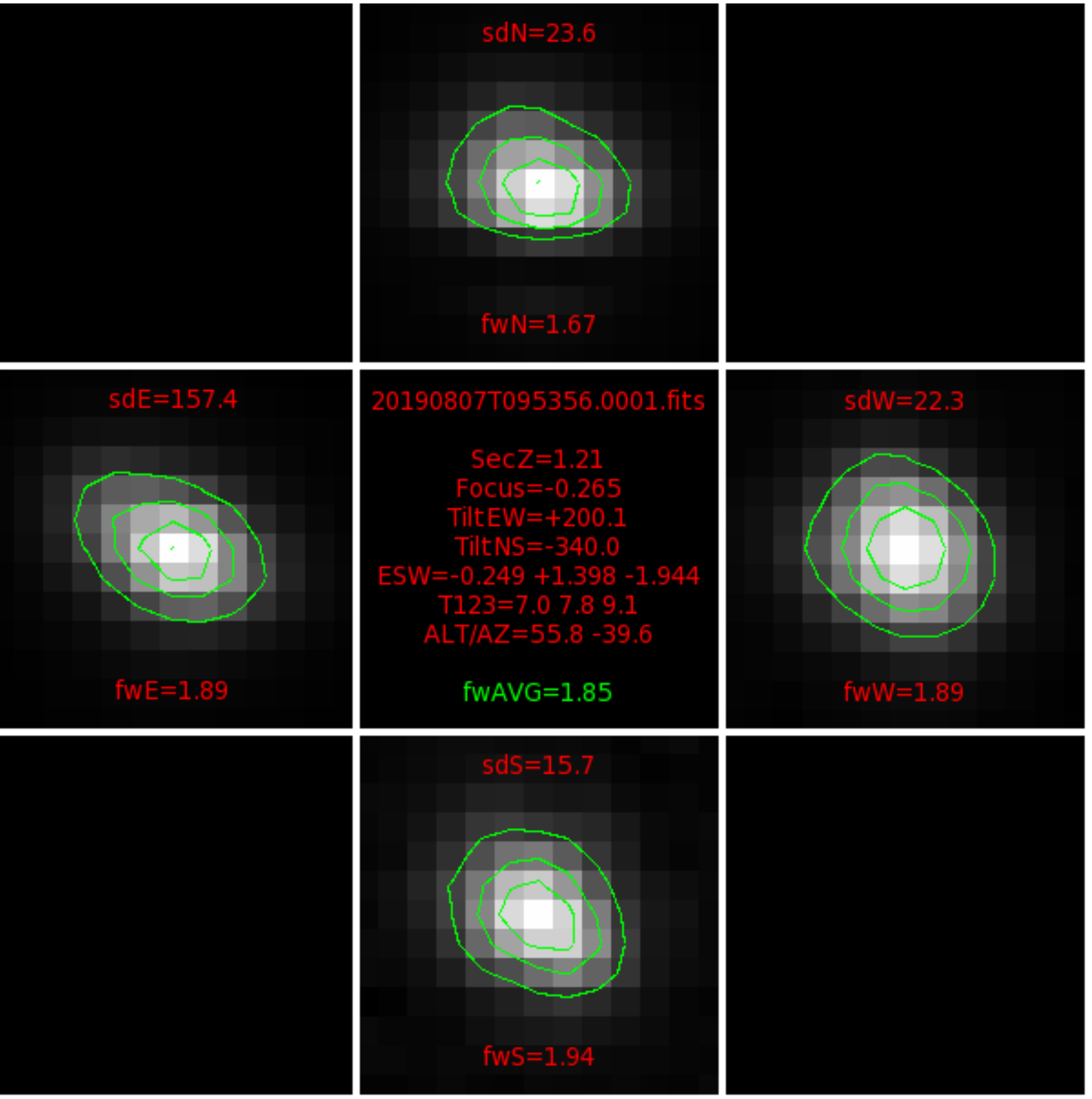

sdN=112.5
fwN=1.68
sdE=595.0
fwE=1.93
20190807T094826.0001.fits
SecZ=1.13
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.8 9.1
ALT/AZ=62.0 -77.2
fwAVG=1.79
sdW=827.7
fwW=1.72
sdS=10.1
fwS=1.85
0 0 0 0 0 0 0 0 0


sdN=119.7
fwN=1.56
sdE=677.6
fwE=1.84
20190807T094948.0001.fits
SecZ=1.14
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.8 9.1
ALT/AZ=61.7 -77.2
fwAVG=1.70
sdW=809.4
fwW=1.57
sdS=15.8
fwS=1.85
0 0 0 0 0 0 0 0 0


sdN=208.8
fwN=1.38
sdE=907.9
fwE=1.57
20190807T095021.0001.fits
SecZ=1.14
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.8 9.1
ALT/AZ=61.6 -77.2
fwAVG=1.54
sdW=1093.8
fwW=1.52
sdS=21.5
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=118.4
fwN=1.34
sdE=584.5
fwE=1.47
20190807T095201.0001.fits
SecZ=1.20
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.8 9.1
ALT/AZ=56.1 -39.4
fwAVG=1.48
sdW=776.9
fwW=1.45
sdS=14.7
fwS=1.68
0 0 0 0 0 0 0 0 0


sdN=37.0
fwN=1.69
sdE=267.3
fwE=1.85
20190807T095241.0001.fits
SecZ=1.21
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.8 9.1
ALT/AZ=56.0 -39.5
fwAVG=1.87
sdW=36.8
fwW=1.95
sdS=22.0
fwS=1.98
0 0 0 0 0 0 0 0 0


sdN=23.6
fwN=1.67
sdE=157.4
fwE=1.89
20190807T095356.0001.fits
SecZ=1.21
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.8 9.1
ALT/AZ=55.8 -39.6
fwAVG=1.85
sdW=22.3
fwW=1.89
sdS=15.7
fwS=1.94
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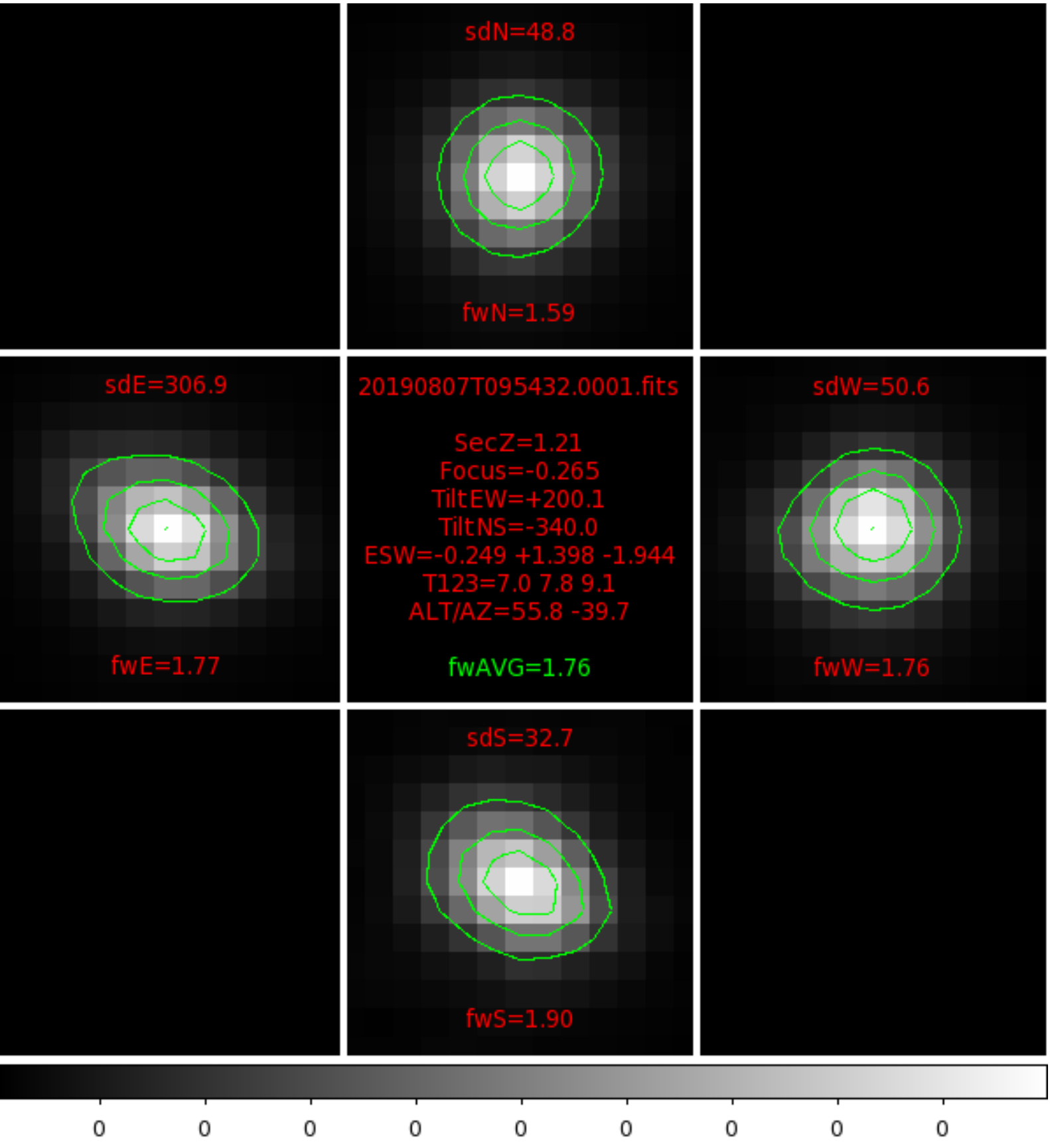
sdN=48.8
fwN=1.59
sdE=306.9
fwE=1.77
20190807T095432.0001.fits
SecZ=1.21
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.8 9.1
ALT/AZ=55.8 -39.7
fwAVG=1.76
sdW=50.6
fwW=1.76
sdS=32.7
fwS=1.90
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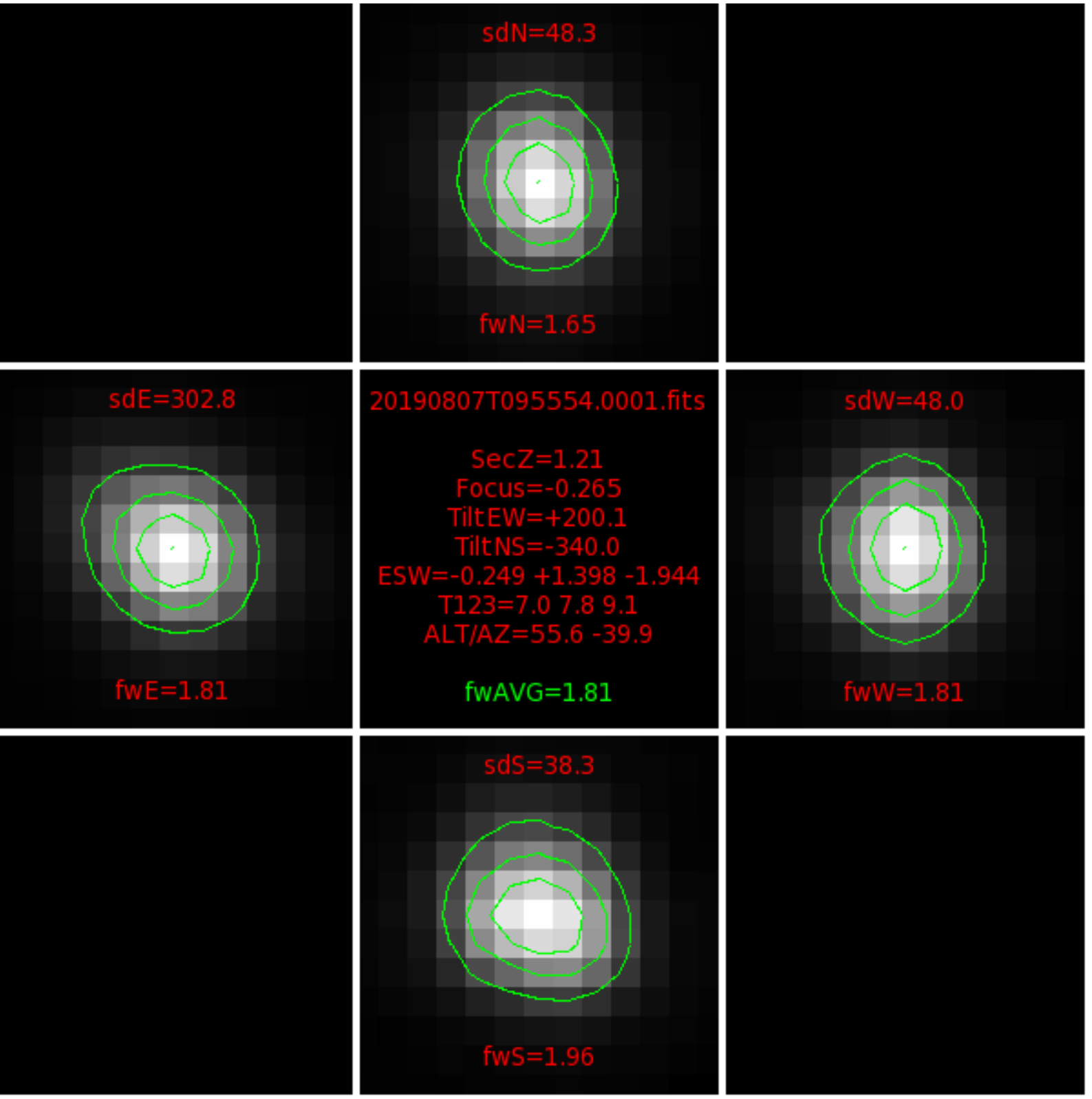
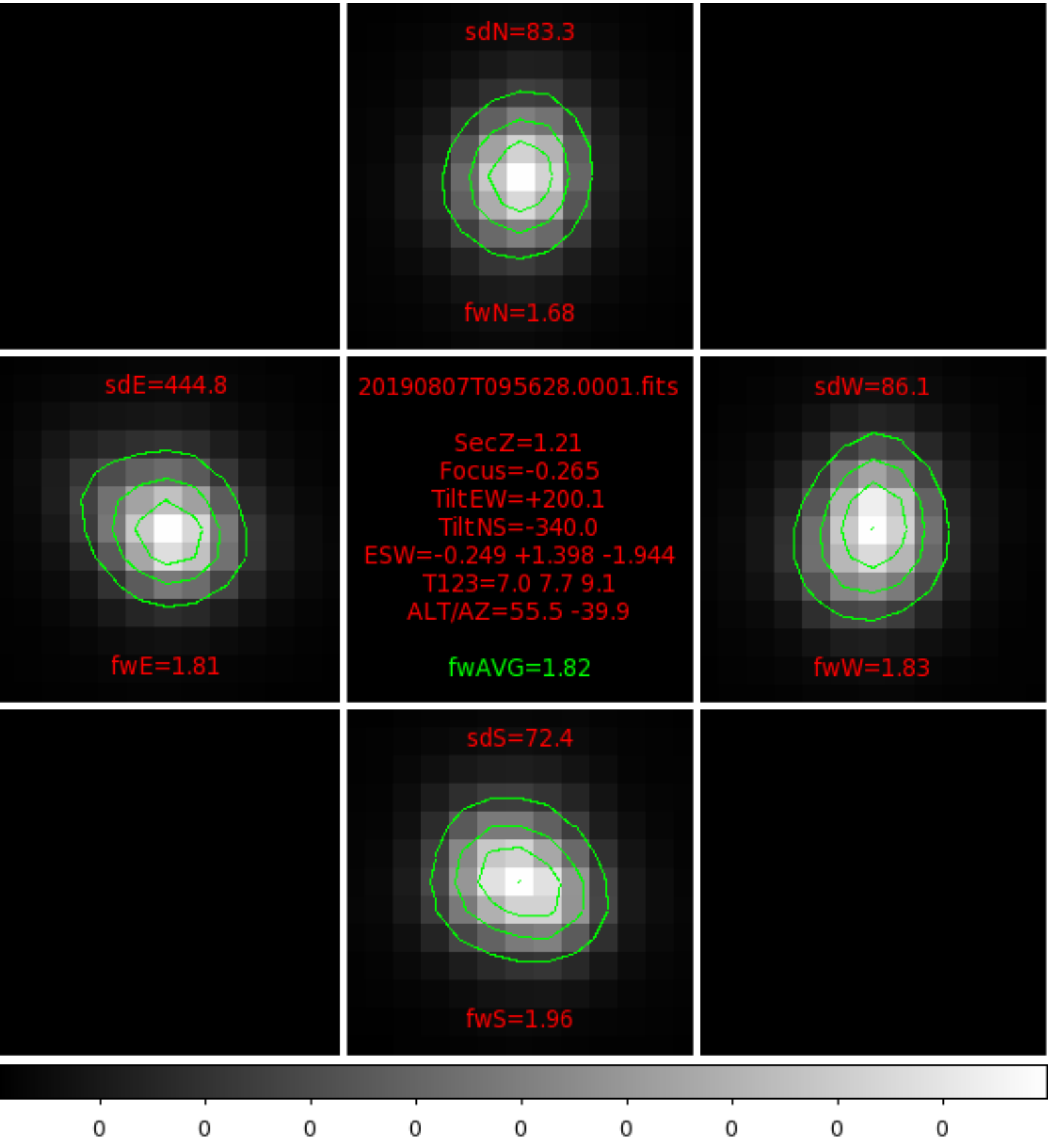

sdN=48.3
fwN=1.65
sdE=302.8
fwE=1.81
20190807T095554.0001.fits
SecZ=1.21
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.8 9.1
ALT/AZ=55.6 -39.9
fwAVG=1.81
sdW=48.0
fwW=1.81
sdS=38.3
fwS=1.96
0 0 0 0 0 0 0 0 0


sdN=83.3
fwN=1.68
sdE=444.8
fwE=1.81
20190807T095628.0001.fits
SecZ=1.21
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.7 9.1
ALT/AZ=55.5 -39.9
fwAVG=1.82
sdW=86.1
fwW=1.83
sdS=72.4
fwS=1.96
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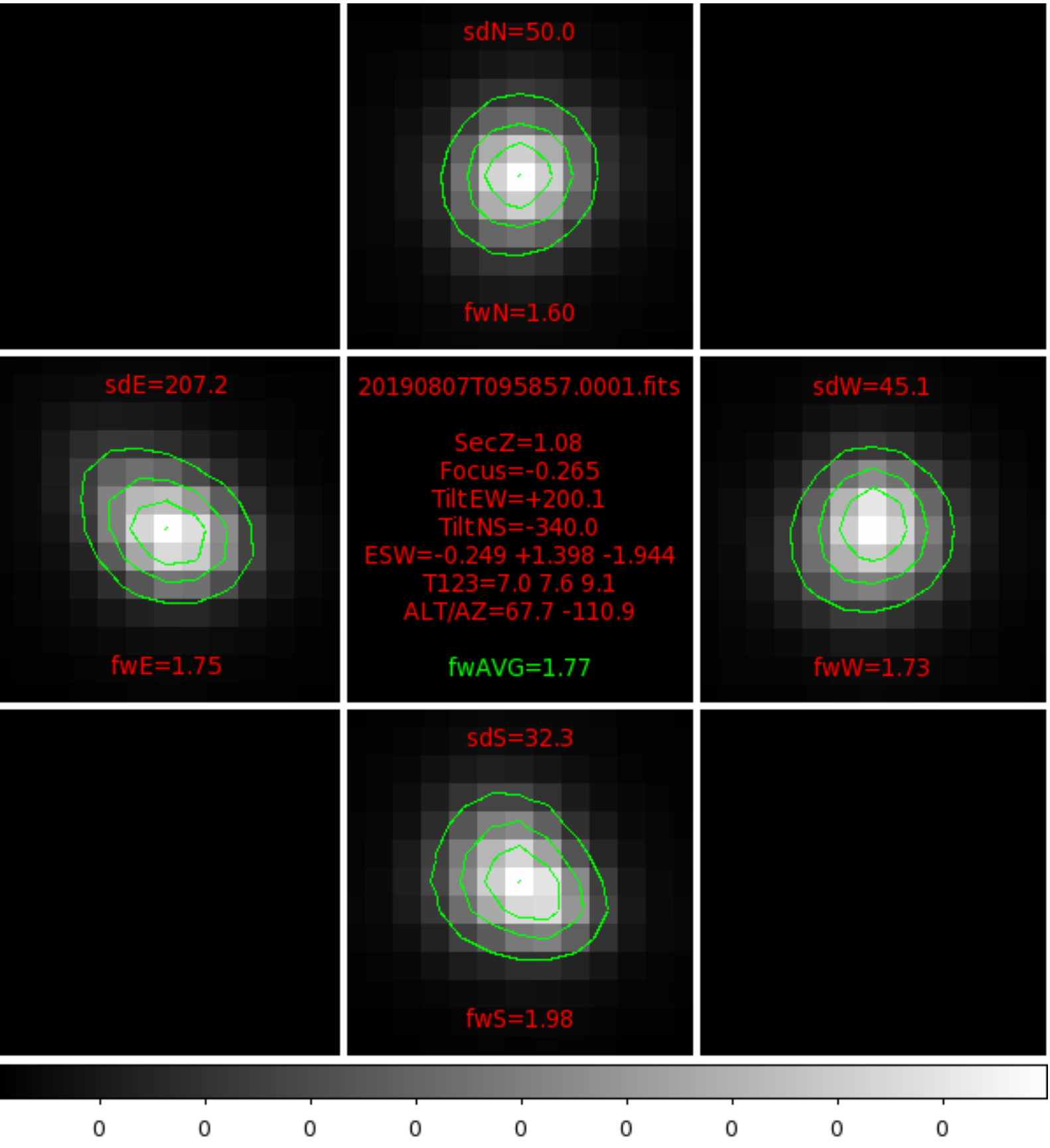
sdN=50.0
fwN=1.60
sdE=207.2
fwE=1.75
20190807T095857.0001.fits
SecZ=1.08
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.6 9.1
ALT/AZ=67.7 -110.9
fwAVG=1.77
sdW=45.1
fwW=1.73
sdS=32.3
fwS=1.98
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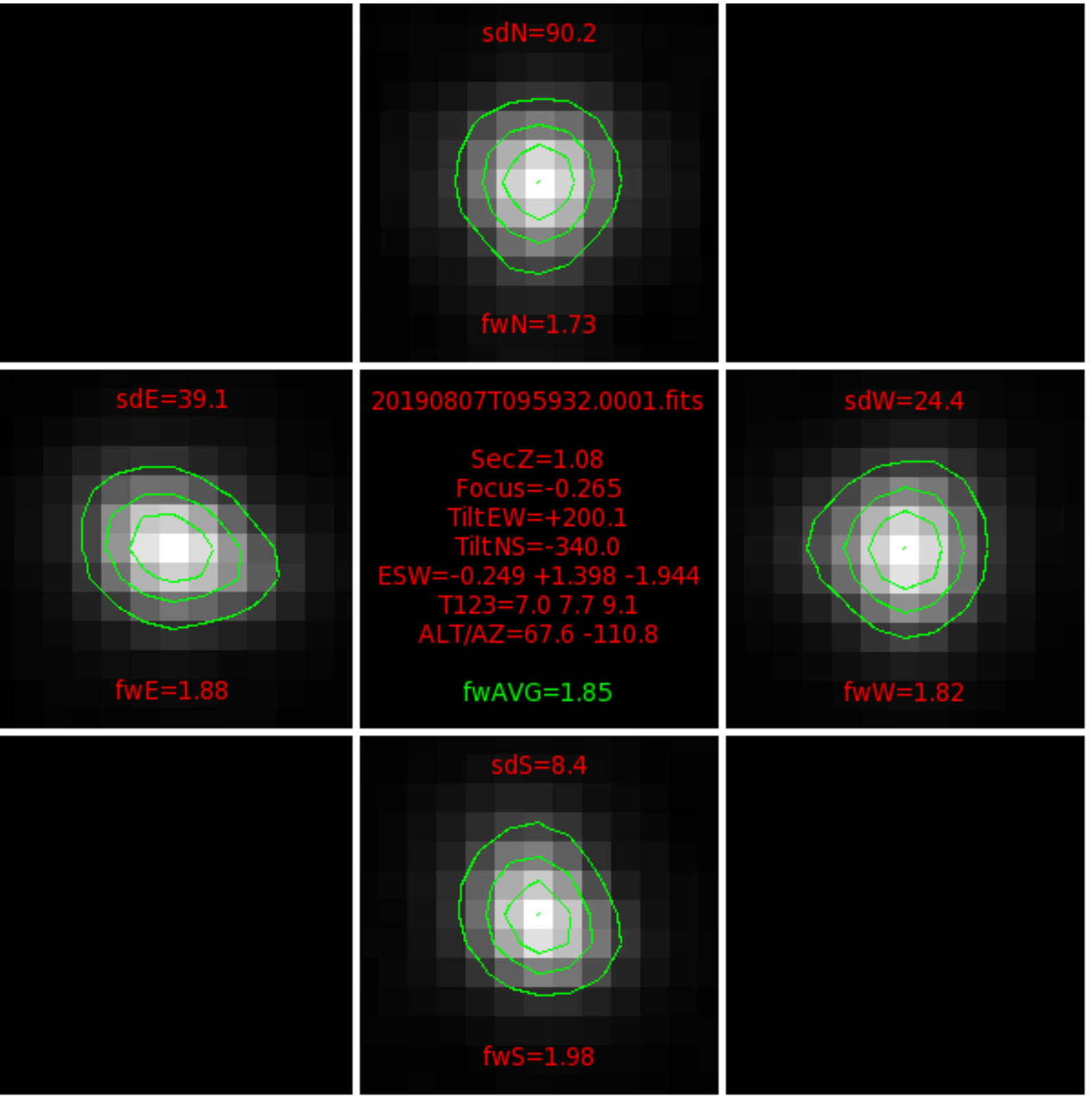
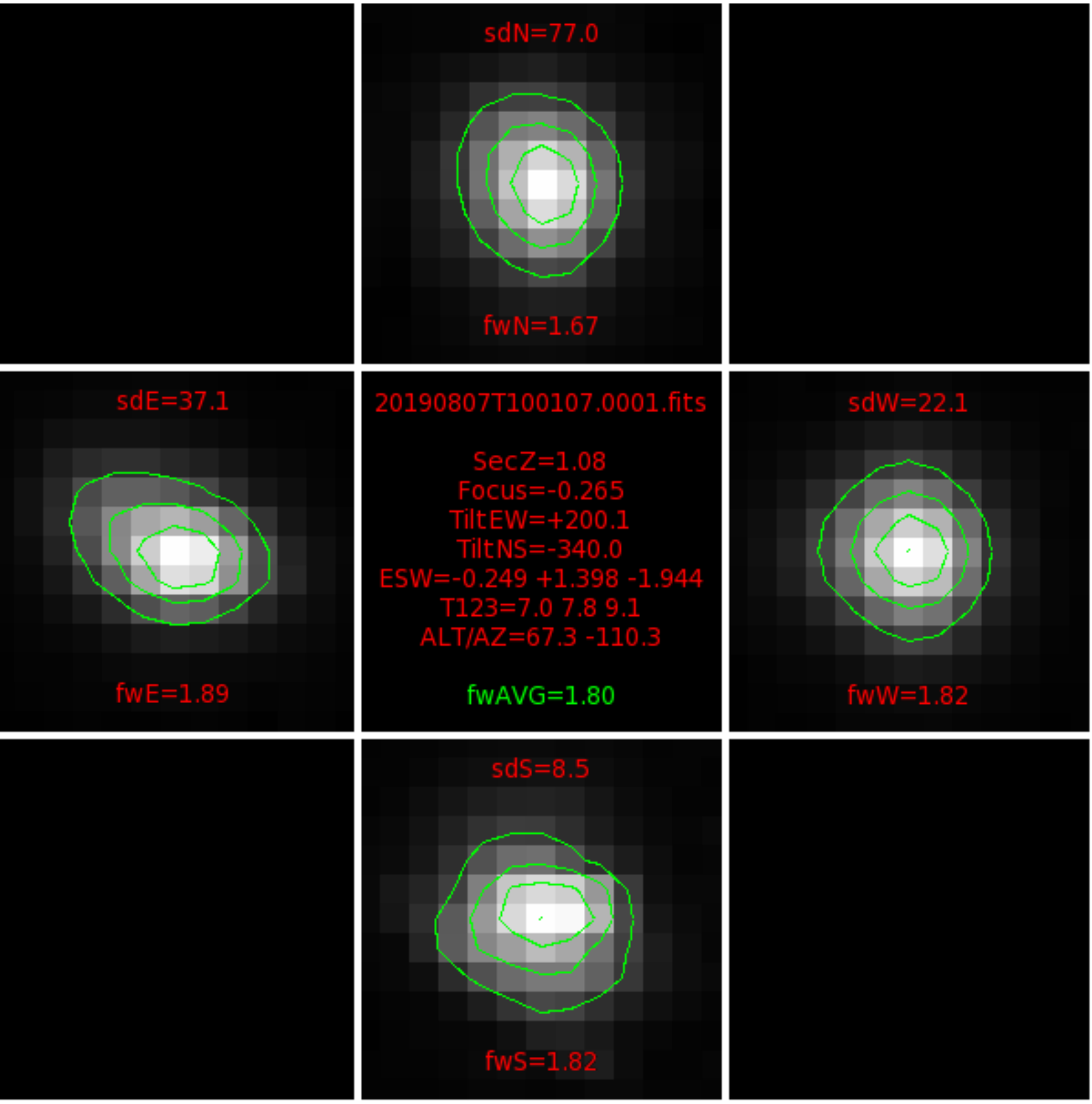
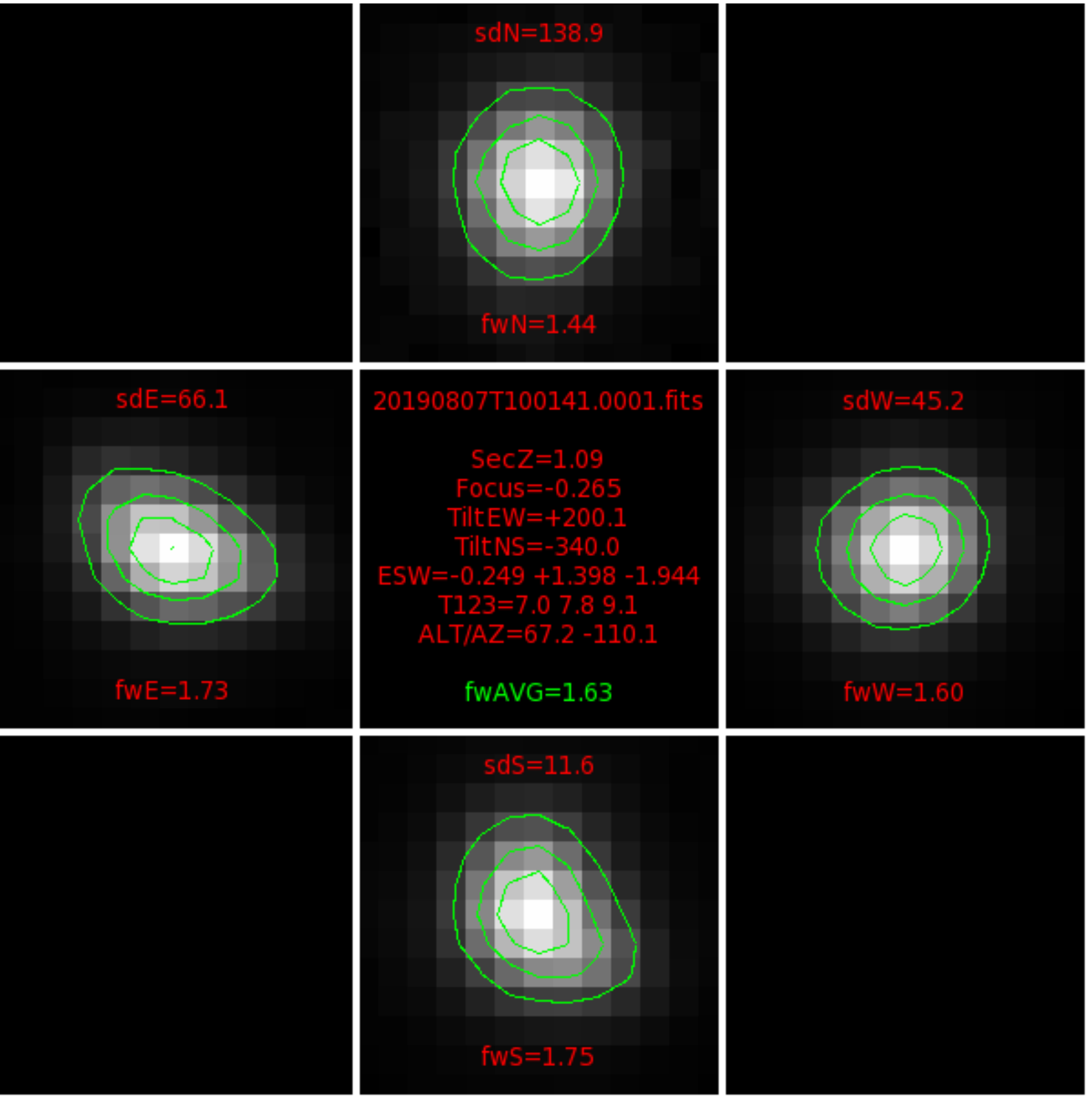

sdN=90.2
fwN=1.73
sdE=39.1
fwE=1.88
20190807T095932.0001.fits
SecZ=1.08
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.7 9.1
ALT/AZ=67.6 -110.8
fwAVG=1.85
sdW=24.4
fwW=1.82
sdS=8.4
fwS=1.98
0 0 0 0 0 0 0 0 0


sdN=77.0
fwN=1.67
sdE=37.1
fwE=1.89
20190807T100107.0001.fits
SecZ=1.08
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.8 9.1
ALT/AZ=67.3 -110.3
fwAVG=1.80
sdW=22.1
fwW=1.82
sdS=8.5
fwS=1.82
0 0 0 0 0 0 0 0 0


sdN=138.9
fwN=1.44
sdE=66.1
fwE=1.73
20190807T100141.0001.fits
SecZ=1.09
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.8 9.1
ALT/AZ=67.2 -110.1
fwAVG=1.63
sdW=45.2
fwW=1.60
sdS=11.6
fwS=1.75
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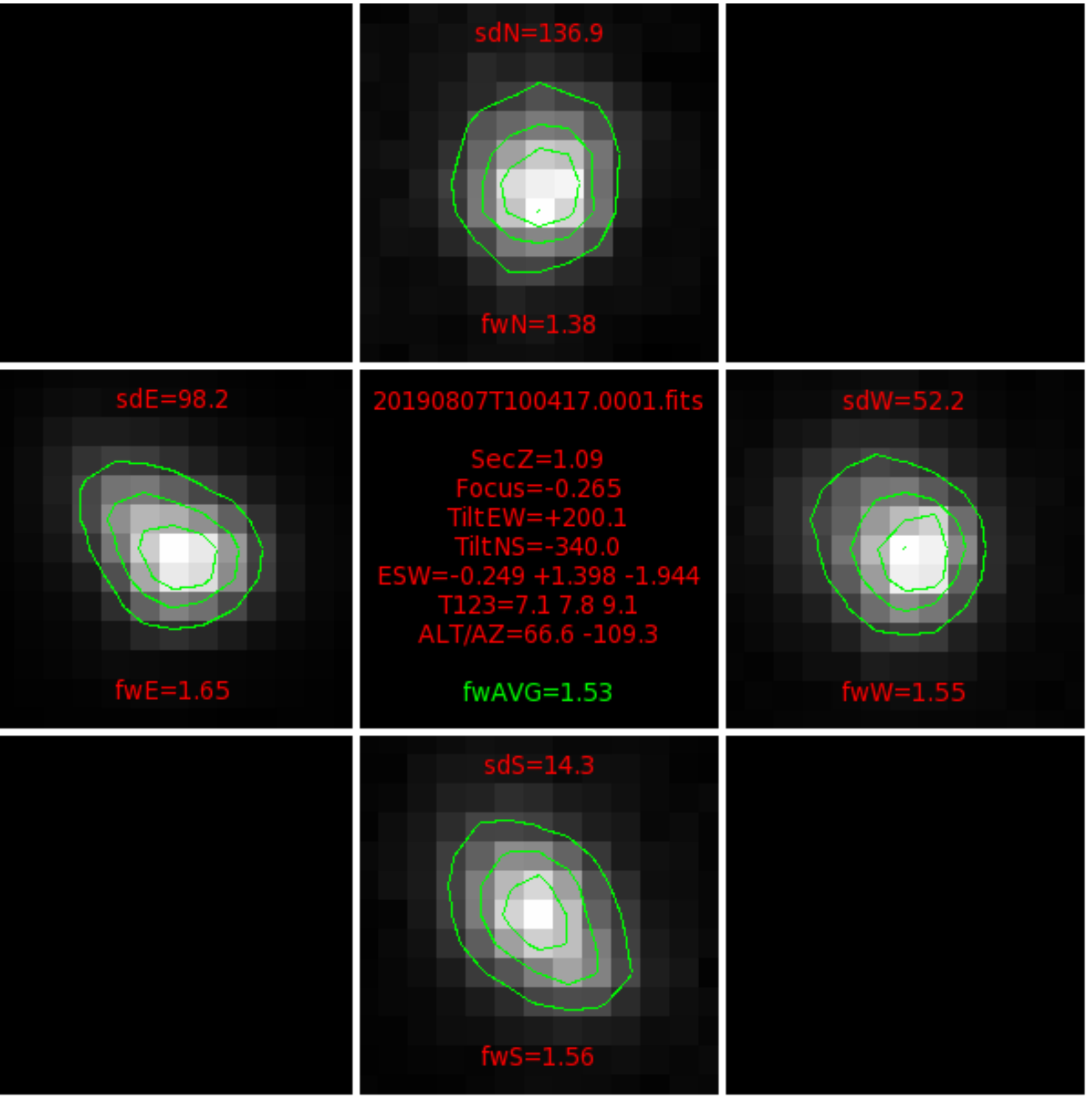
sdN=136.9
fwN=1.38
sdE=98.2
fwE=1.65
20190807T100417.0001.fits
SecZ=1.09
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.1 7.8 9.1
ALT/AZ=66.6 -109.3
fwAVG=1.53
sdW=52.2
fwW=1.55
sdS=14.3
fwS=1.56
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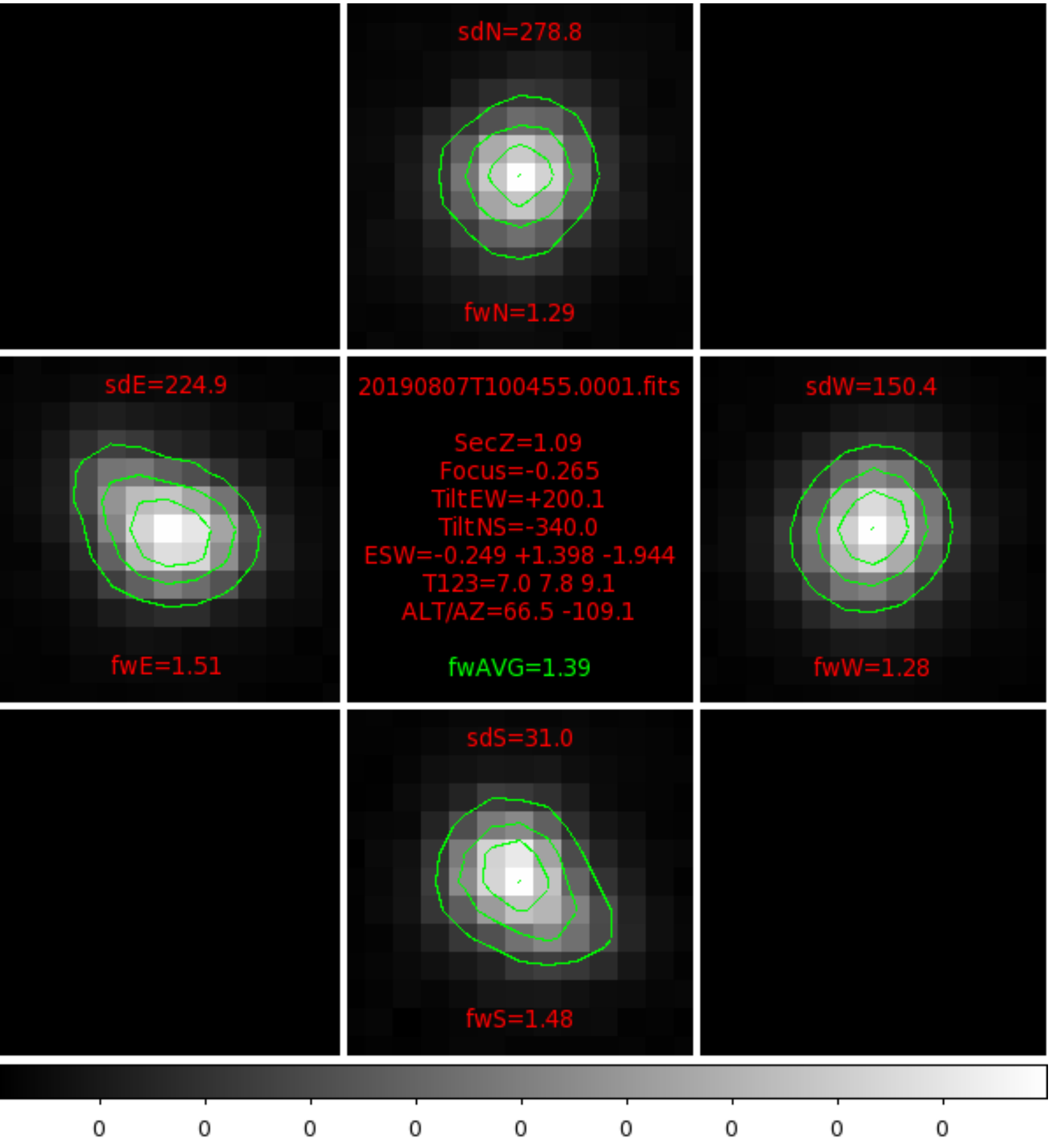
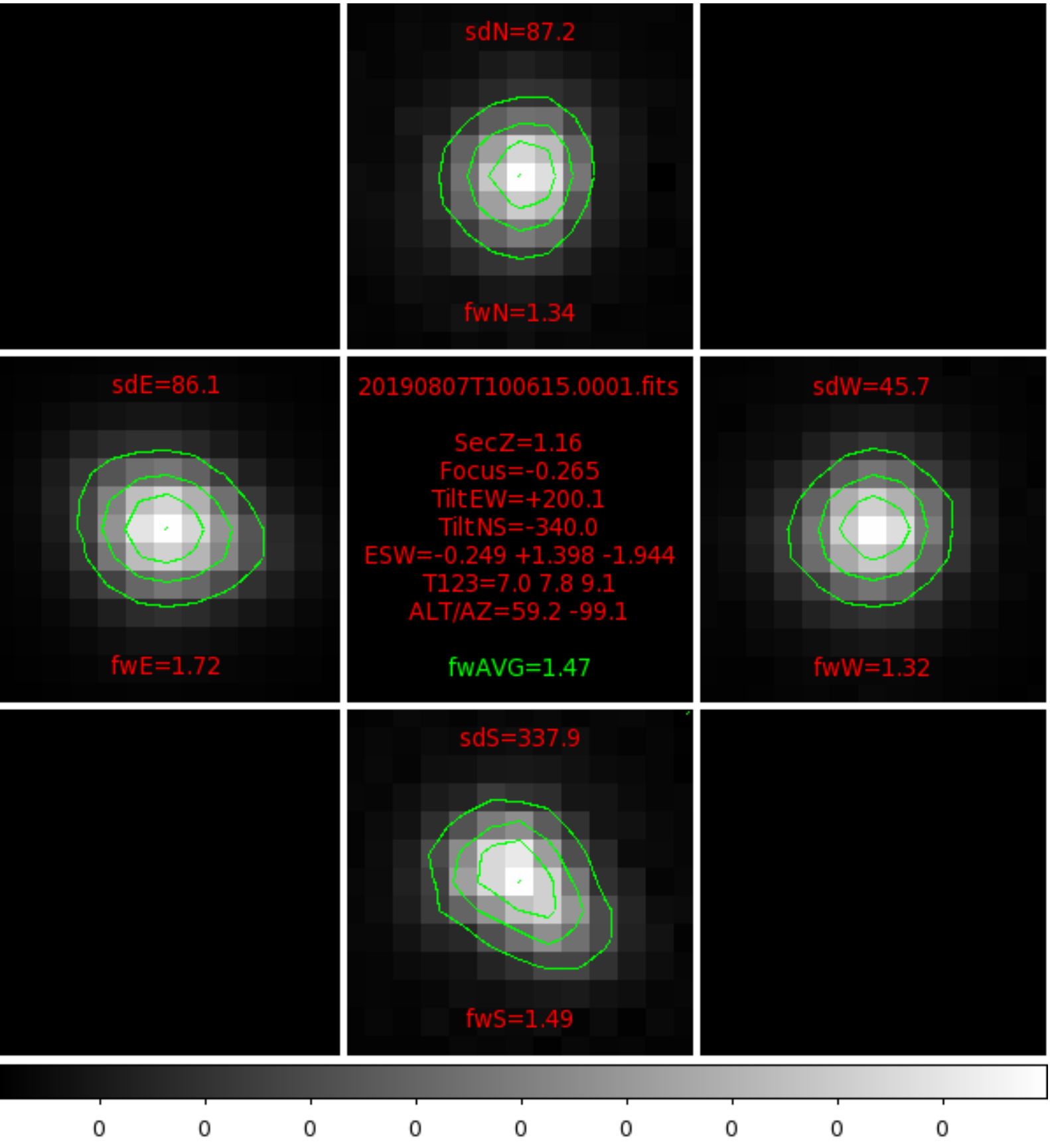

sdN=278.8
fwN=1.29
sdE=224.9
fwE=1.51
20190807T100455.0001.fits
SecZ=1.09
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.8 9.1
ALT/AZ=66.5 -109.1
fwAVG=1.39
sdW=150.4
fwW=1.28
sdS=31.0
fwS=1.48
0 0 0 0 0 0 0 0 0


sdN=87.2
fwN=1.34
sdE=86.1
fwE=1.72
20190807T100615.0001.fits
SecZ=1.16
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.8 9.1
ALT/AZ=59.2 -99.1
fwAVG=1.47
sdW=45.7
fwW=1.32
sdS=337.9
fwS=1.49
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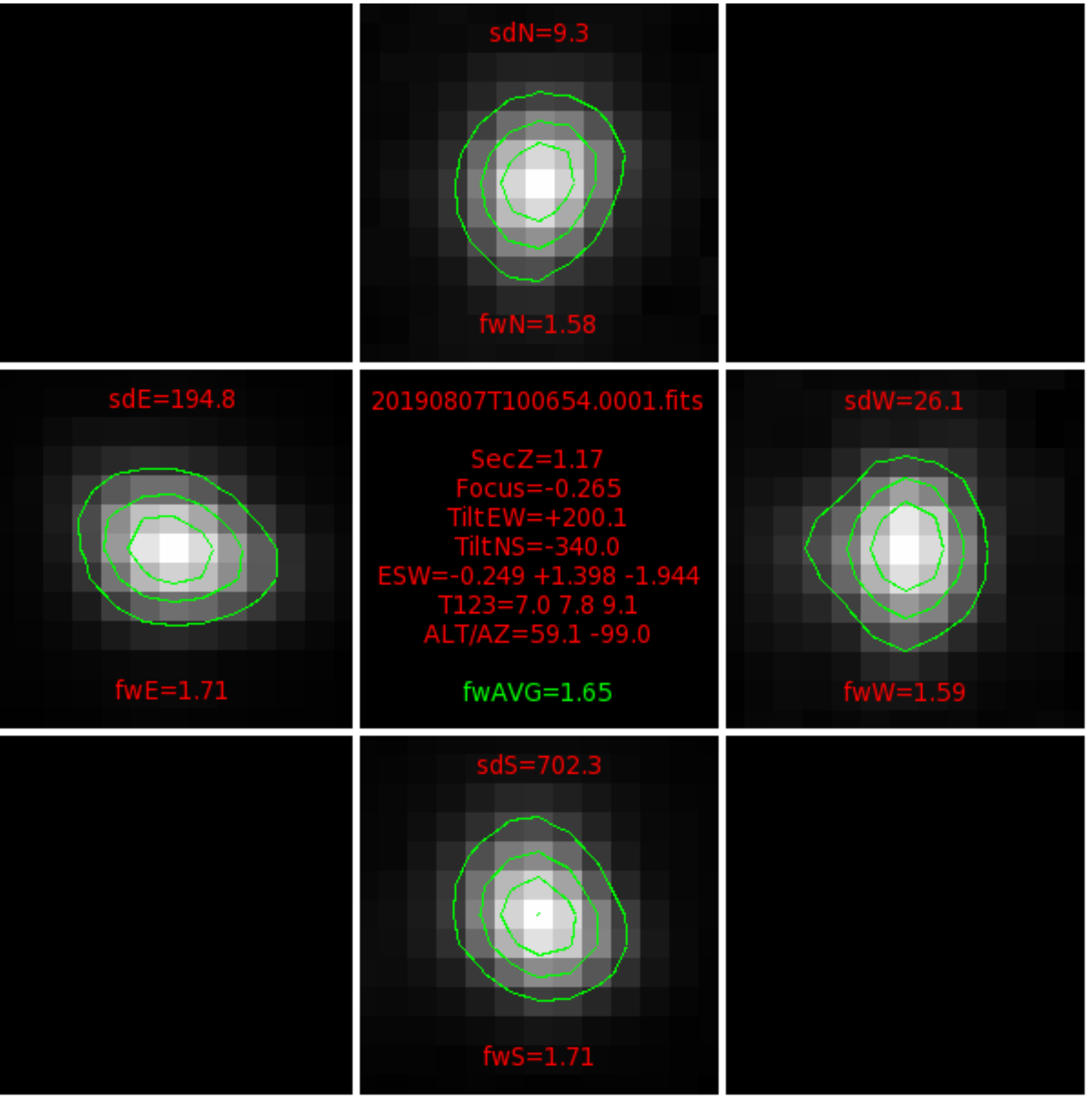
sdN=9.3
fwN=1.58
sdE=194.8
fwE=1.71
20190807T100654.0001.fits
SecZ=1.17
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.8 9.1
ALT/AZ=59.1 -99.0
fwAVG=1.65
sdW=26.1
fwW=1.59
sdS=702.3
fwS=1.71
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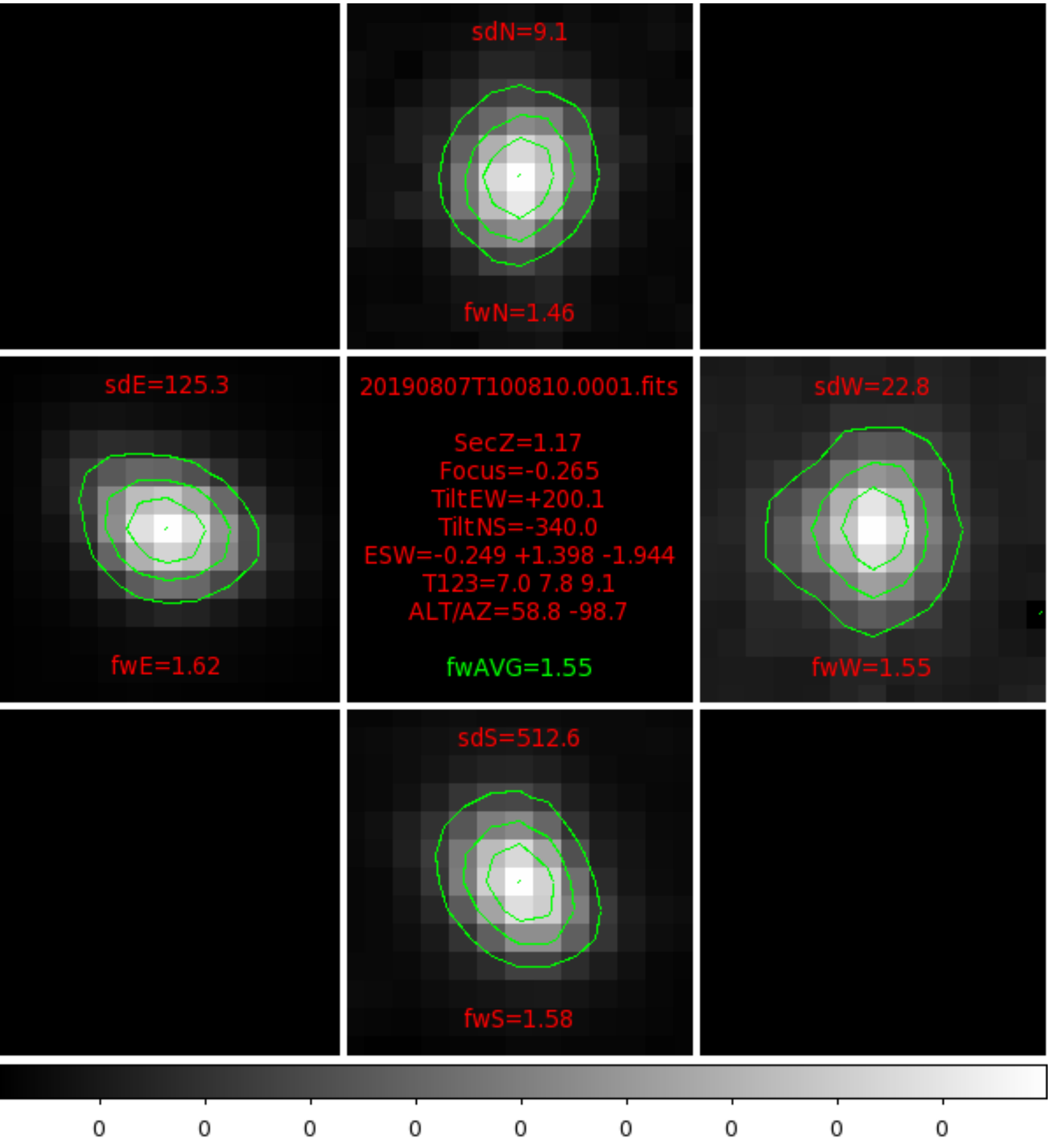
sdN=9.1
fwN=1.46
sdE=125.3
fwE=1.62
20190807T100810.0001.fits
SecZ=1.17
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.8 9.1
ALT/AZ=58.8 -98.7
fwAVG=1.55
sdW=22.8
fwW=1.55
sdS=512.6
fwS=1.58
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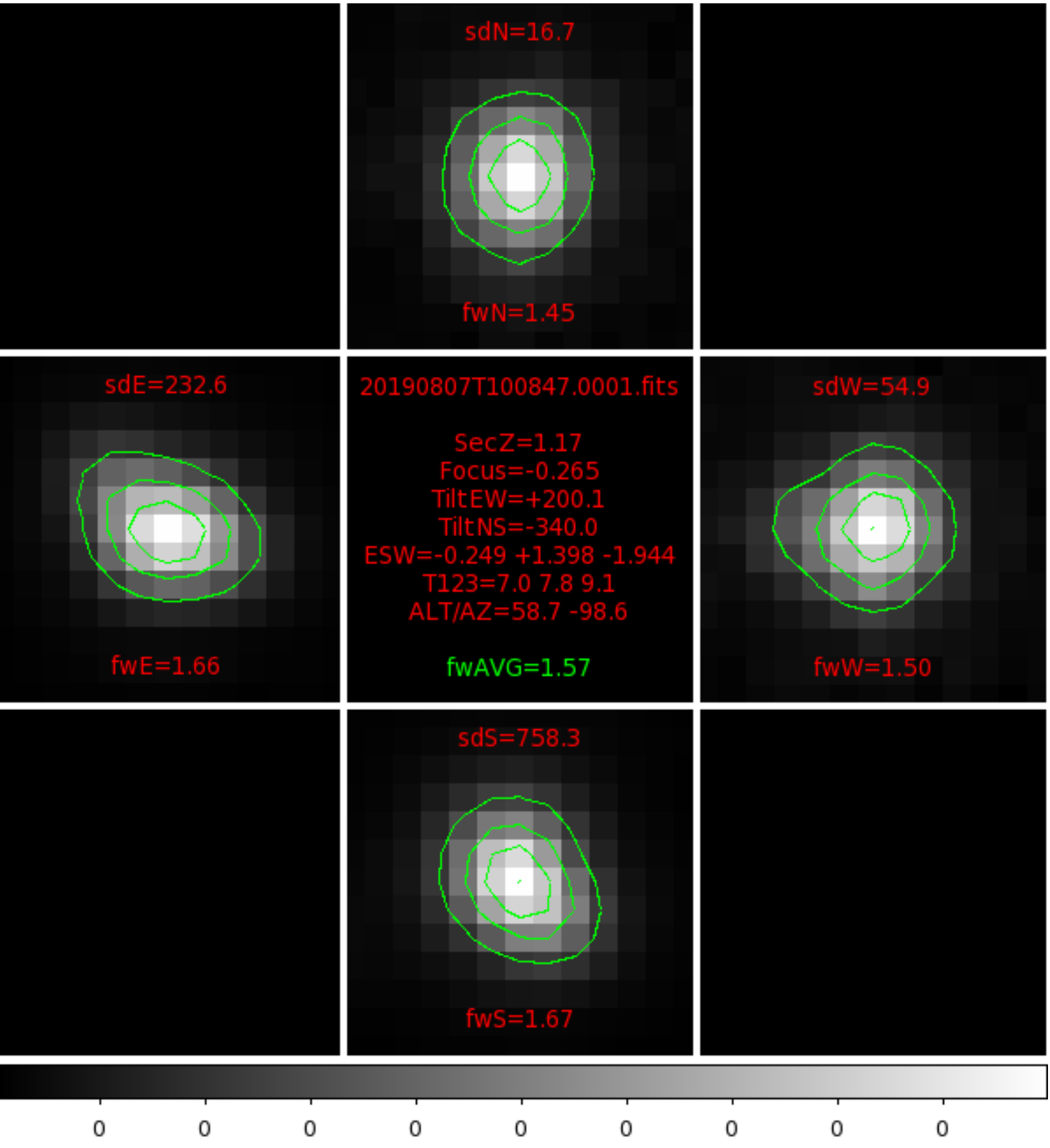
sdN=16.7
fwN=1.45
sdE=232.6
fwE=1.66
20190807T100847.0001.fits
SecZ=1.17
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.8 9.1
ALT/AZ=58.7 -98.6
fwAVG=1.57
sdW=54.9
fwW=1.50
sdS=758.3
fwS=1.67
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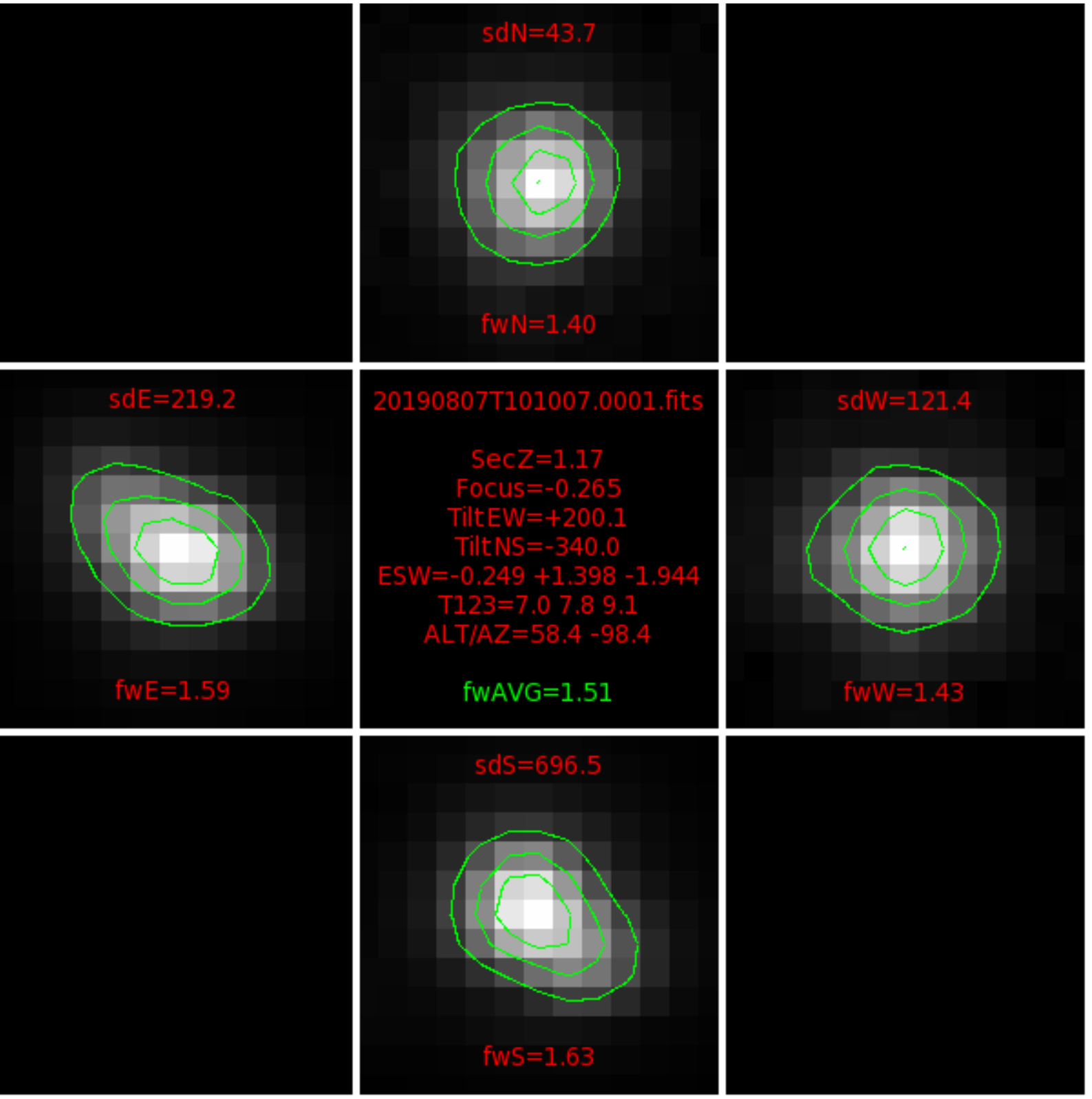
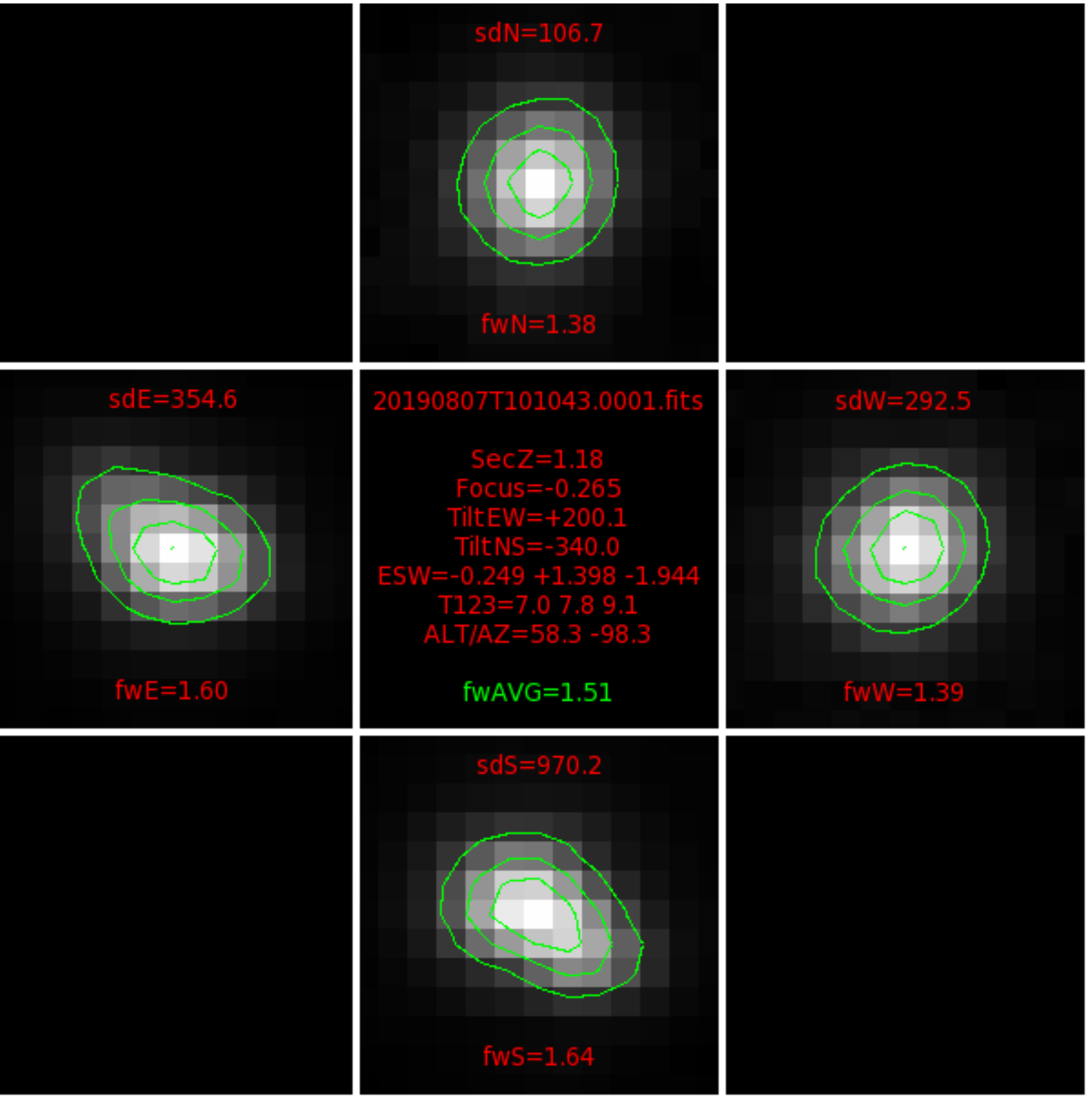

sdN=43.7
fwN=1.40
sdE=219.2
fwE=1.59
20190807T101007.0001.fits
SecZ=1.17
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.8 9.1
ALT/AZ=58.4 -98.4
fwAVG=1.51
sdW=121.4
fwW=1.43
sdS=696.5
fwS=1.63
0 0 0 0 0 0 0 0 0


sdN=106.7
fwN=1.38
sdE=354.6
fwE=1.60
20190807T101043.0001.fits
SecZ=1.18
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.8 9.1
ALT/AZ=58.3 -98.3
fwAVG=1.51
sdW=292.5
fwW=1.39
sdS=970.2
fwS=1.64
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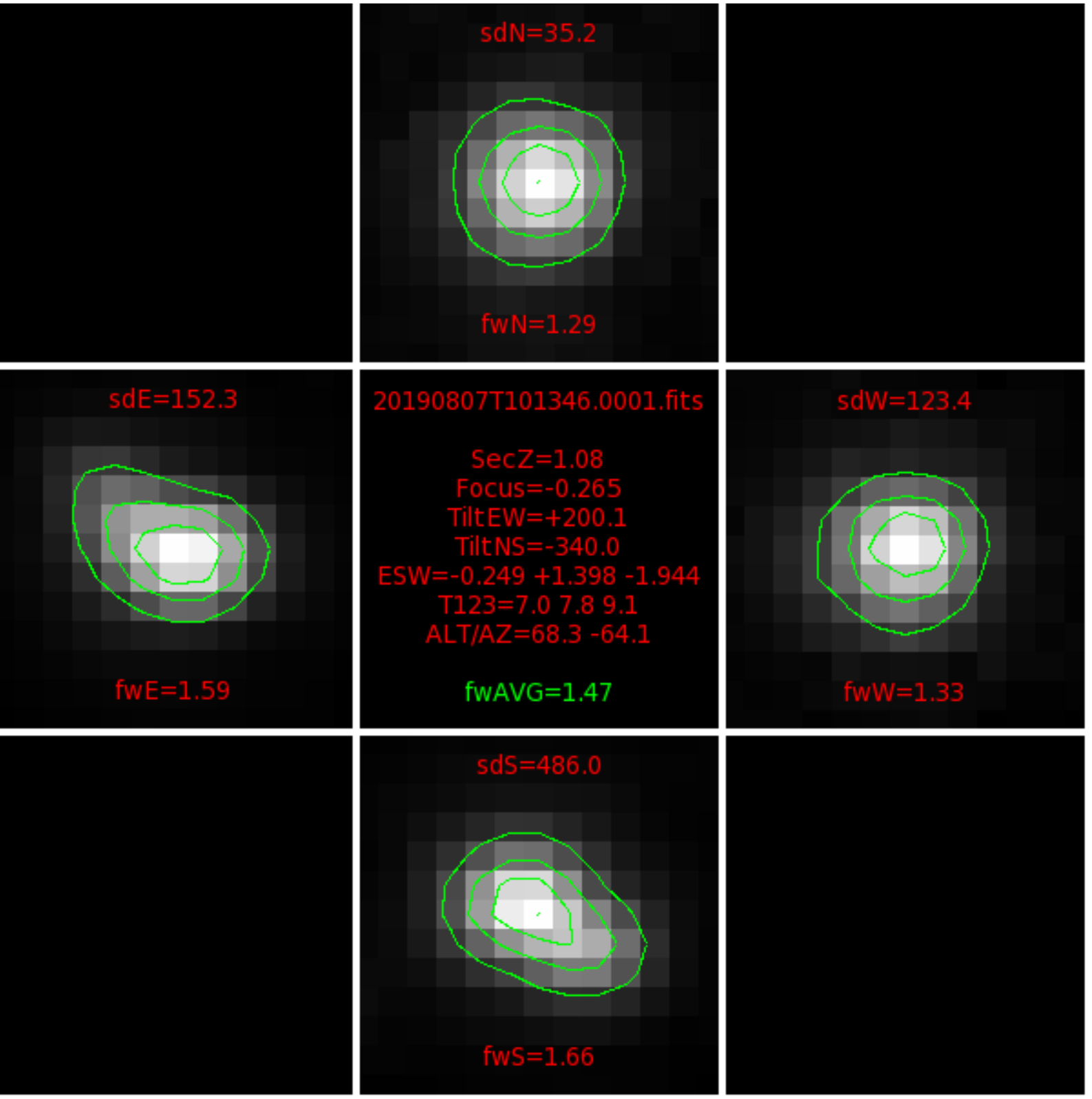
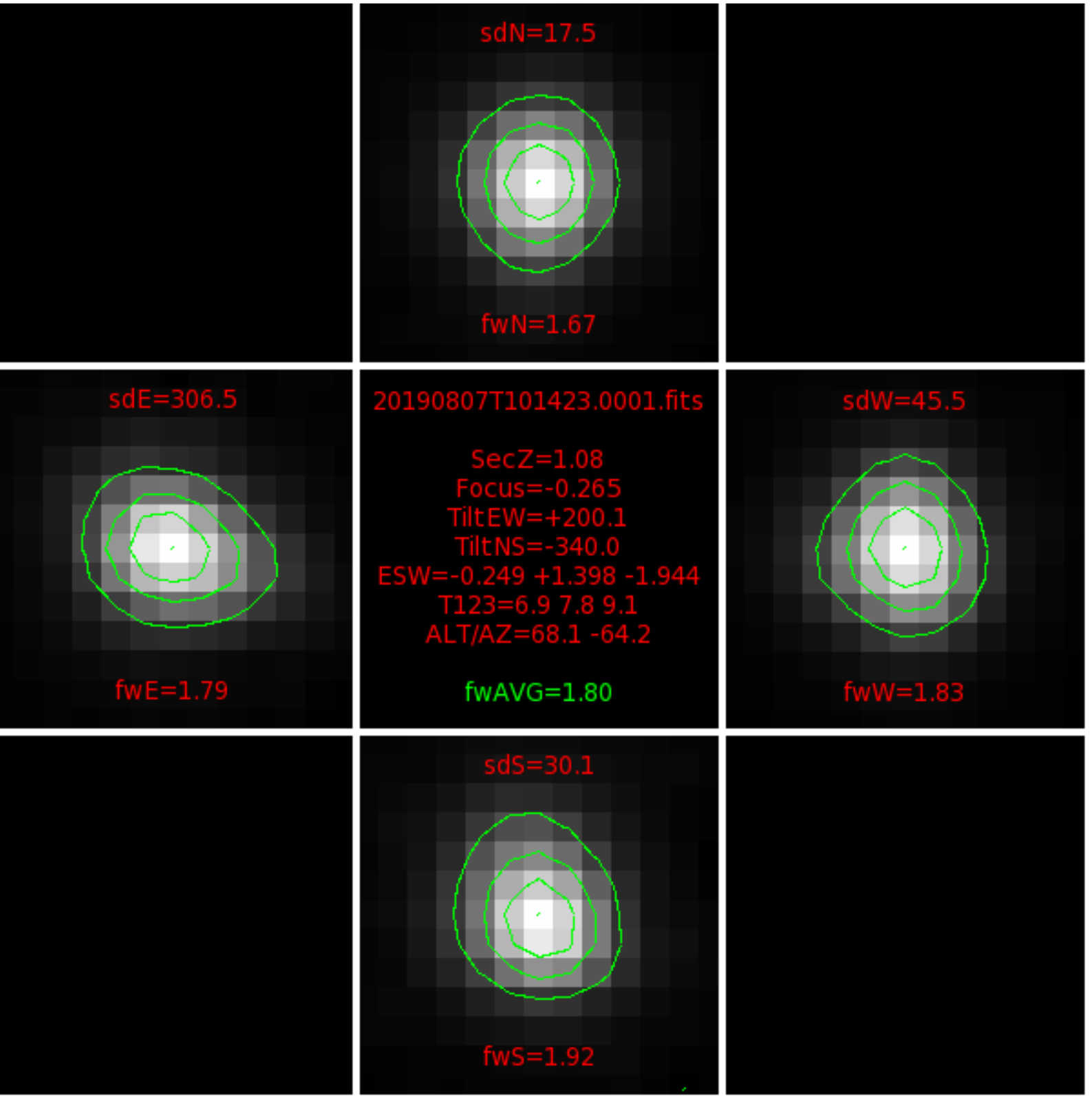

sdN=35.2
fwN=1.29
sdE=152.3
fwE=1.59
20190807T101346.0001.fits
SecZ=1.08
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=7.0 7.8 9.1
ALT/AZ=68.3 -64.1
fwAVG=1.47
sdW=123.4
fwW=1.33
sdS=486.0
fwS=1.66
0 0 0 0 0 0 0 0 0


sdN=17.5
fwN=1.67
sdE=306.5
fwE=1.79
20190807T101423.0001.fits
SecZ=1.08
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=6.9 7.8 9.1
ALT/AZ=68.1 -64.2
fwAVG=1.80
sdW=45.5
fwW=1.83
sdS=30.1
fwS=1.92
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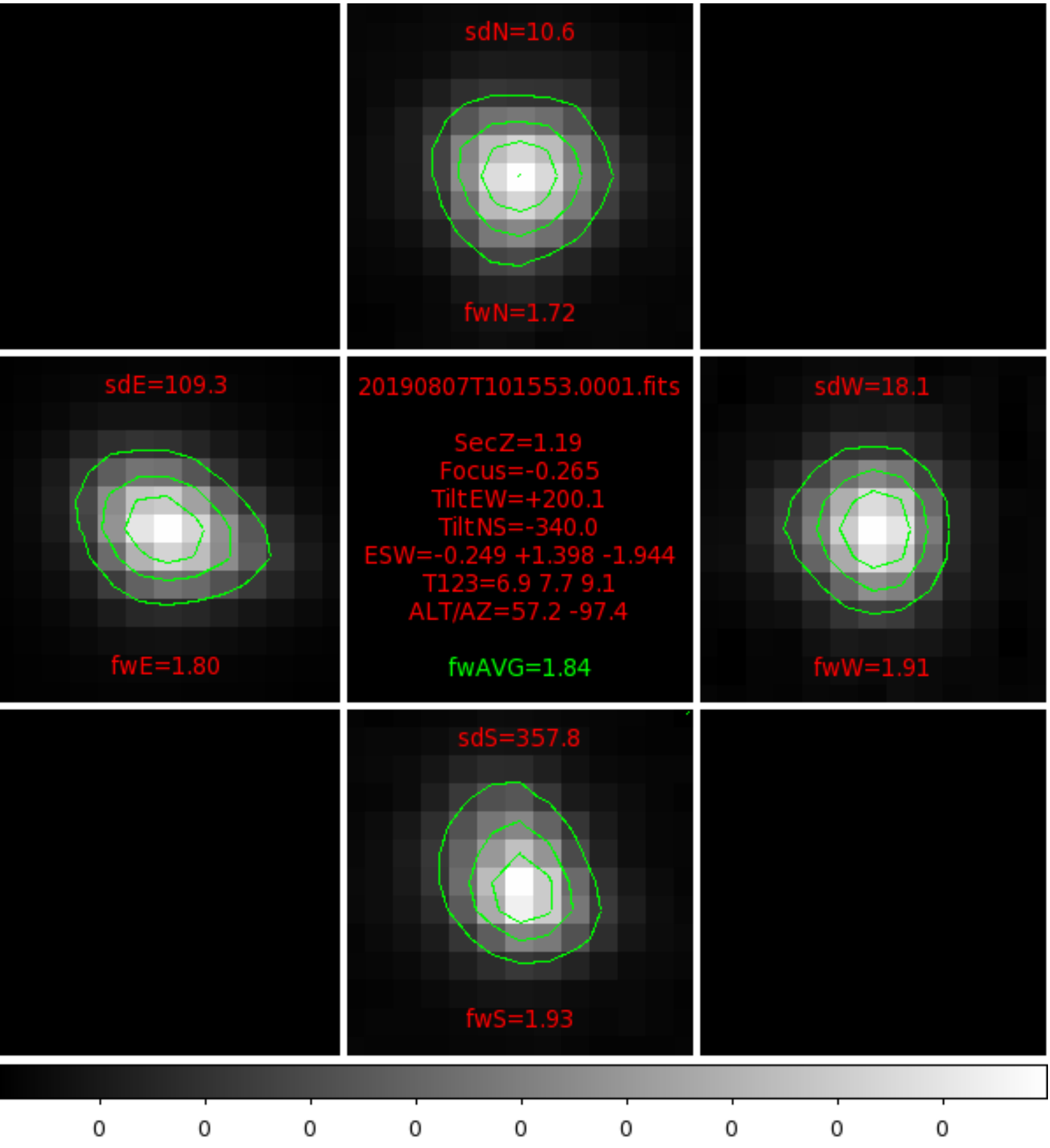
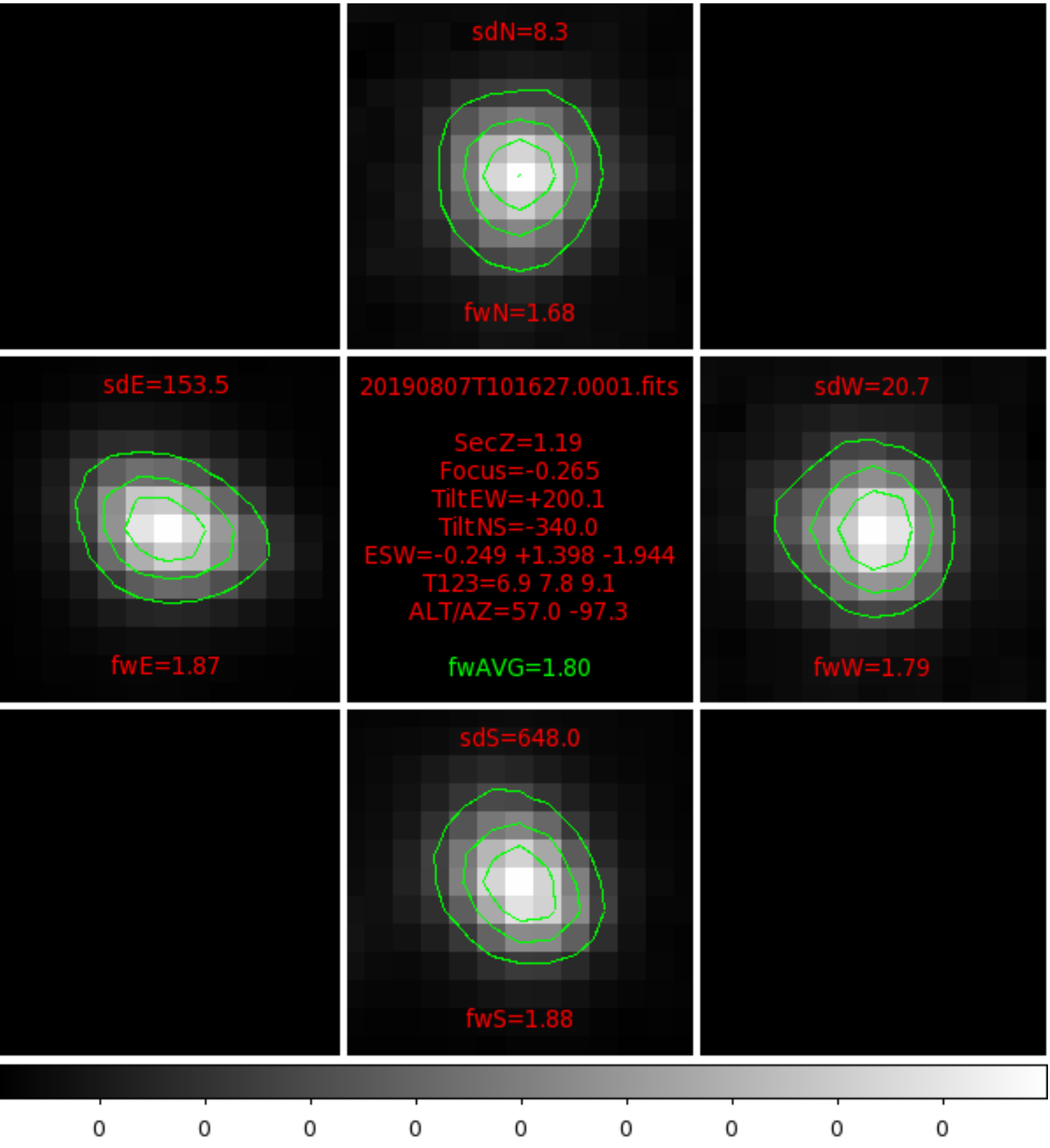

sdN=10.6
fwN=1.72
sdE=109.3
fwE=1.80
20190807T101553.0001.fits
SecZ=1.19
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=6.9 7.7 9.1
ALT/AZ=57.2 -97.4
fwAVG=1.84
sdW=18.1
fwW=1.91
sdS=357.8
fwS=1.93
0 0 0 0 0 0 0 0 0


sdN=8.3
fwN=1.68
sdE=153.5
fwE=1.87
20190807T101627.0001.fits
SecZ=1.19
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=6.9 7.8 9.1
ALT/AZ=57.0 -97.3
fwAVG=1.80
sdW=20.7
fwW=1.79
sdS=648.0
fwS=1.88
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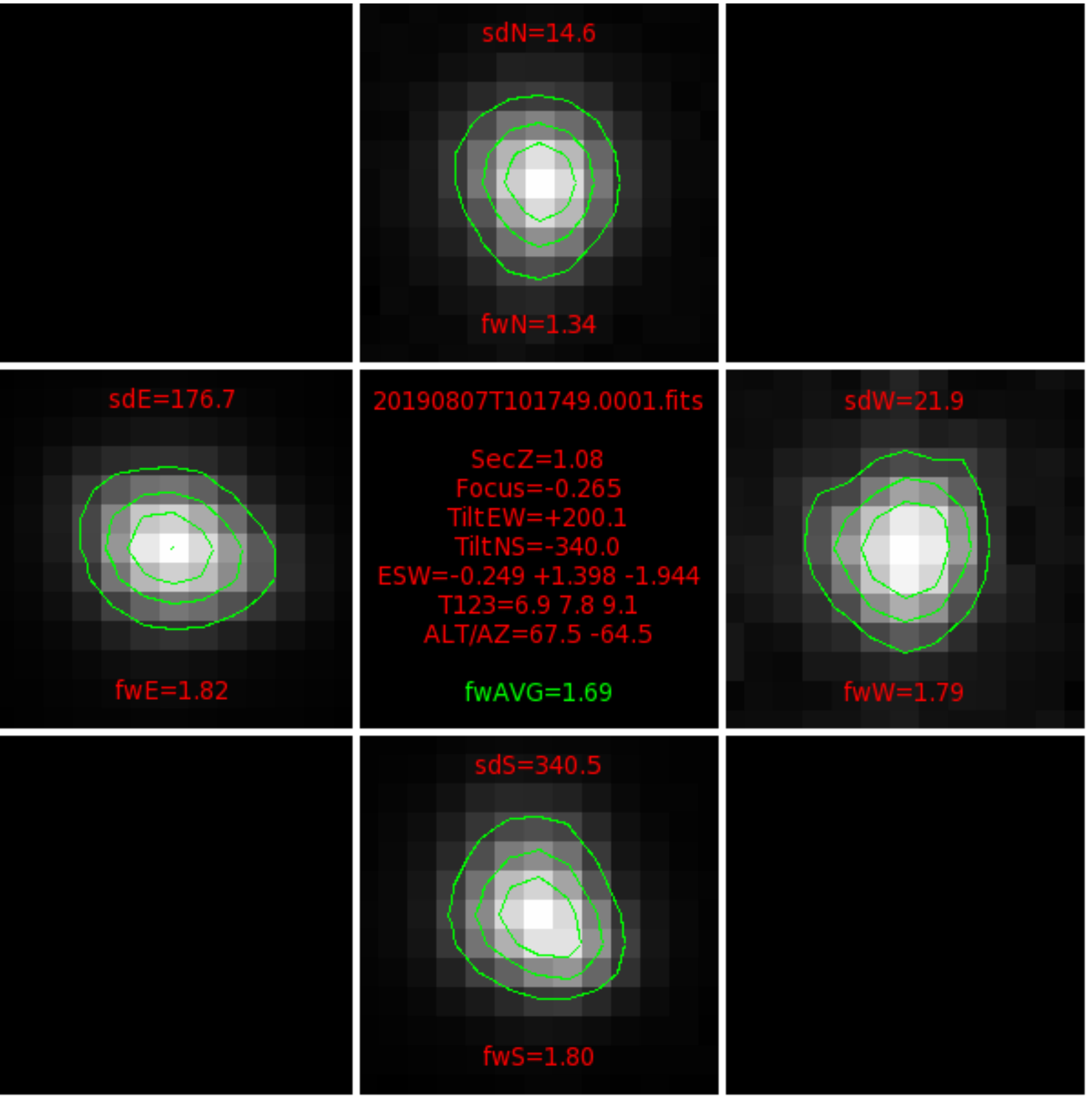
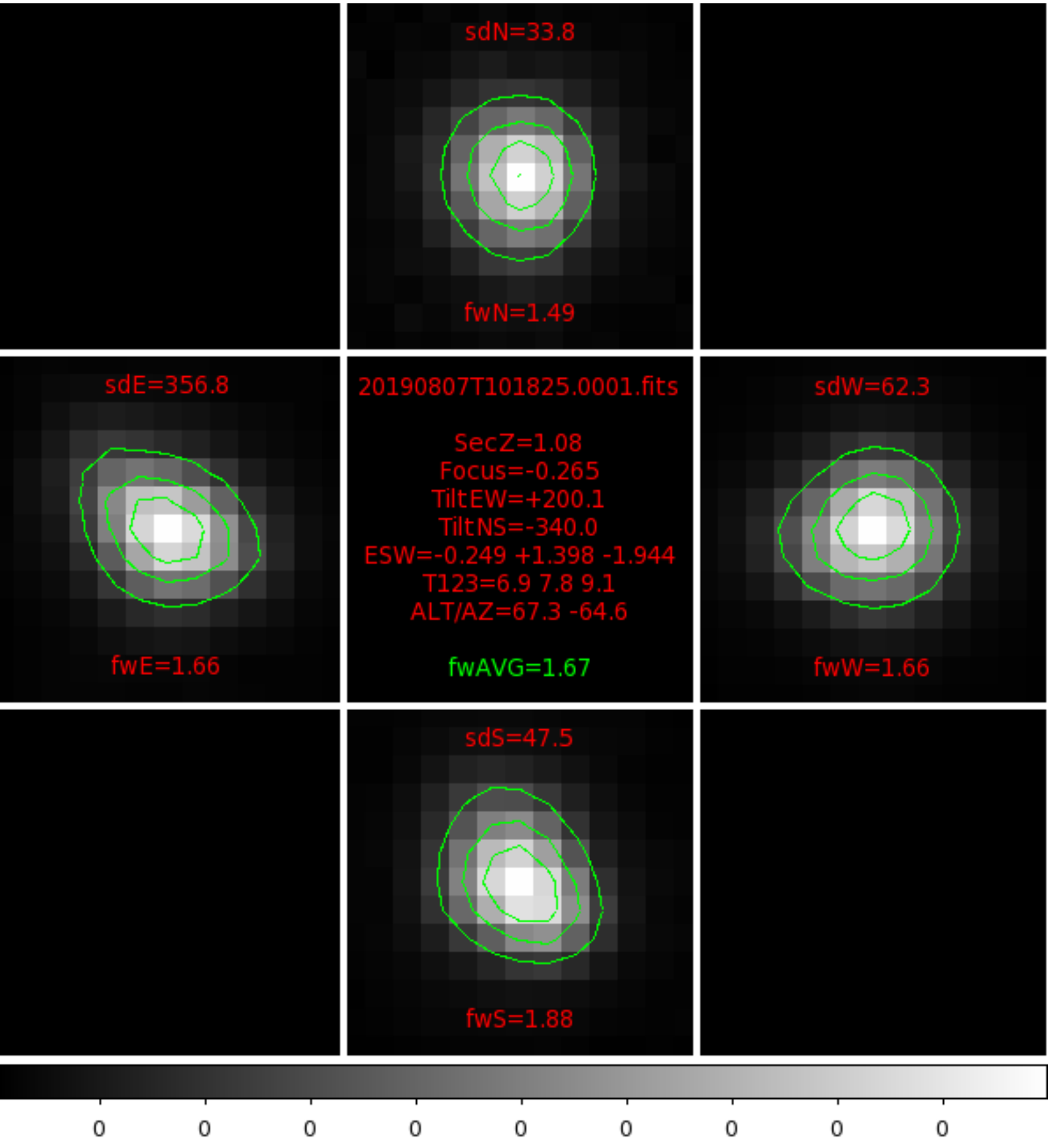
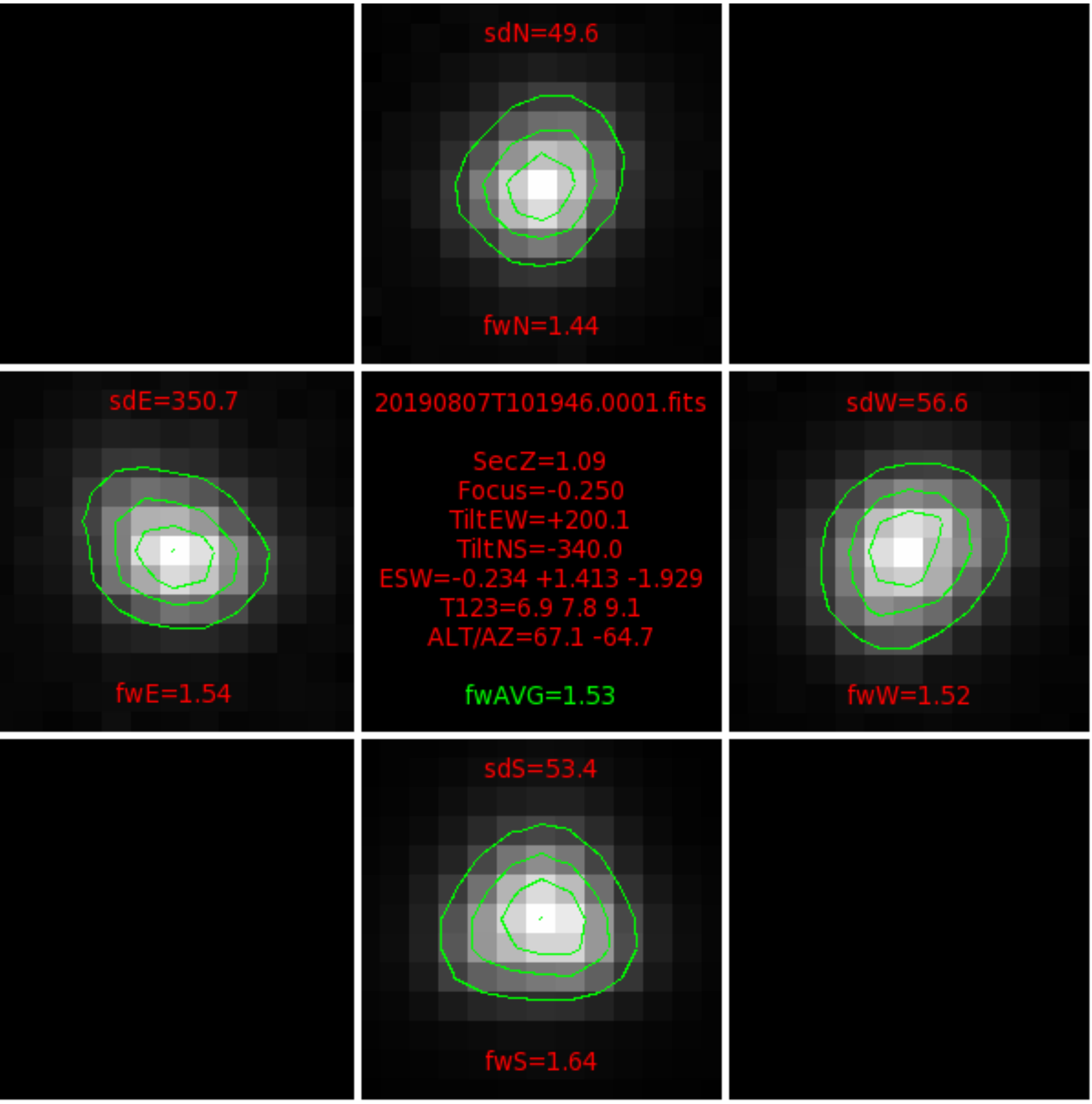

sdN=14.6
fwN=1.34
sdE=176.7
fwE=1.82
20190807T101749.0001.fits
SecZ=1.08
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=6.9 7.8 9.1
ALT/AZ=67.5 -64.5
fwAVG=1.69
sdW=21.9
fwW=1.79
sdS=340.5
fwS=1.80
0 0 0 0 0 0 0 0 0


sdN=33.8
fwN=1.49
sdE=356.8
fwE=1.66
20190807T101825.0001.fits
SecZ=1.08
Focus=-0.265
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.249 +1.398 -1.944
T123=6.9 7.8 9.1
ALT/AZ=67.3 -64.6
fwAVG=1.67
sdW=62.3
fwW=1.66
sdS=47.5
fwS=1.88
0 0 0 0 0 0 0 0 0


sdN=49.6
fwN=1.44
sdE=350.7
fwE=1.54
20190807T101946.0001.fits
SecZ=1.09
Focus=-0.250
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.234 +1.413 -1.929
T123=6.9 7.8 9.1
ALT/AZ=67.1 -64.7
fwAVG=1.53
sdW=56.6
fwW=1.52
sdS=53.4
fwS=1.64
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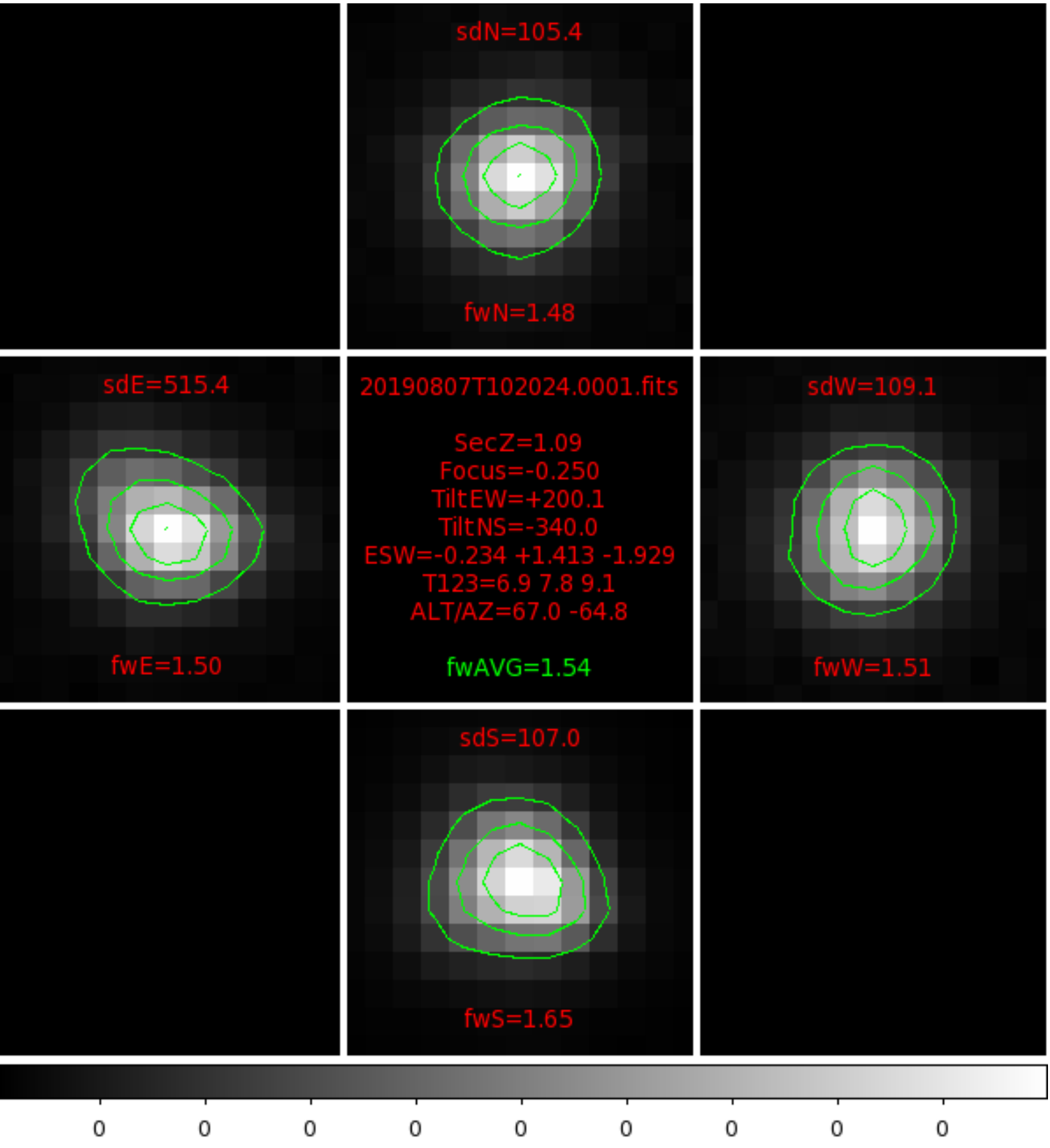
sdN=105.4
fwN=1.48
sdE=515.4
fwE=1.50
20190807T102024.0001.fits
SecZ=1.09
Focus=-0.250
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.234 +1.413 -1.929
T123=6.9 7.8 9.1
ALT/AZ=67.0 -64.8
fwAVG=1.54
sdW=109.1
fwW=1.51
sdS=107.0
fwS=1.65
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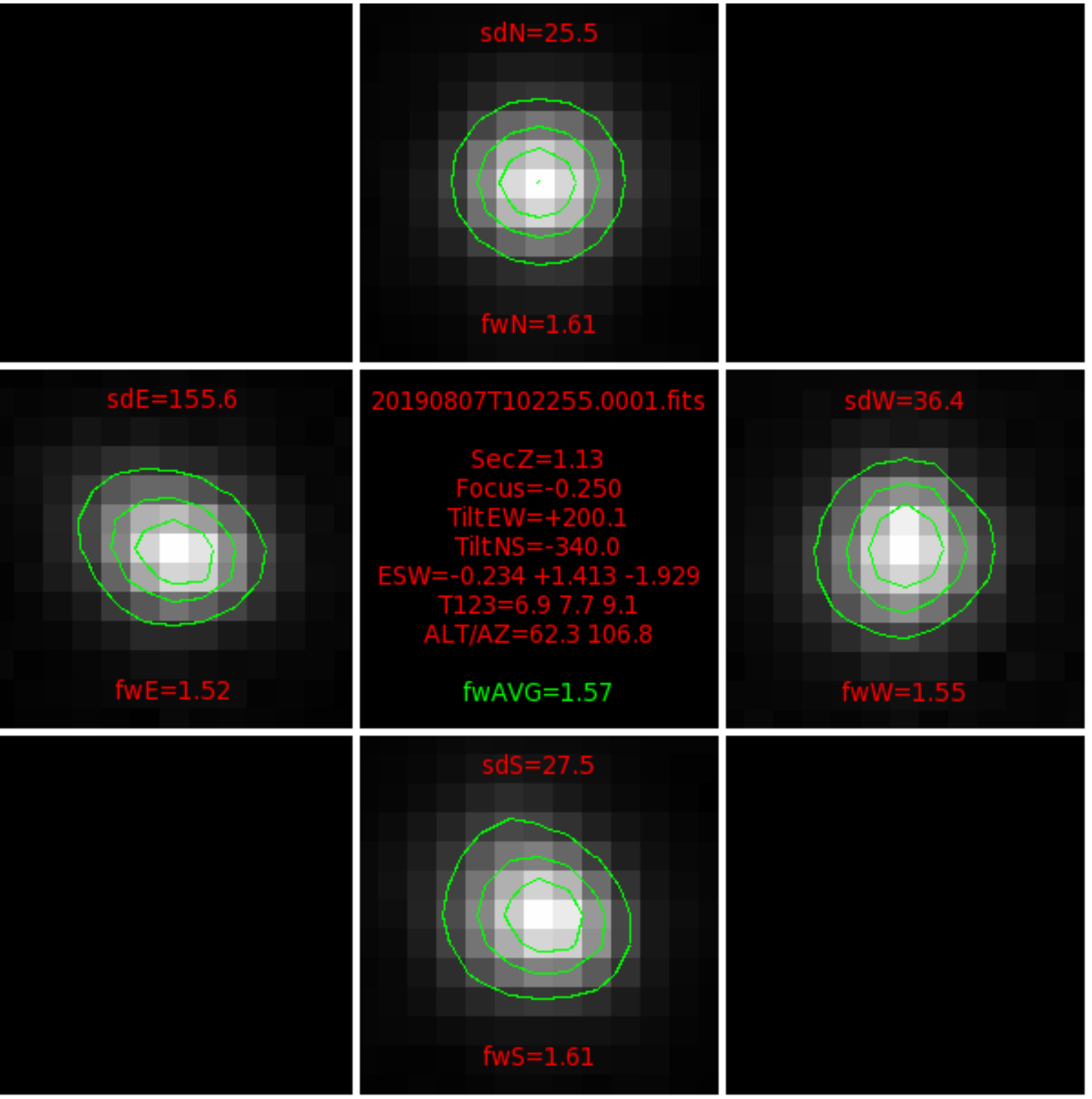
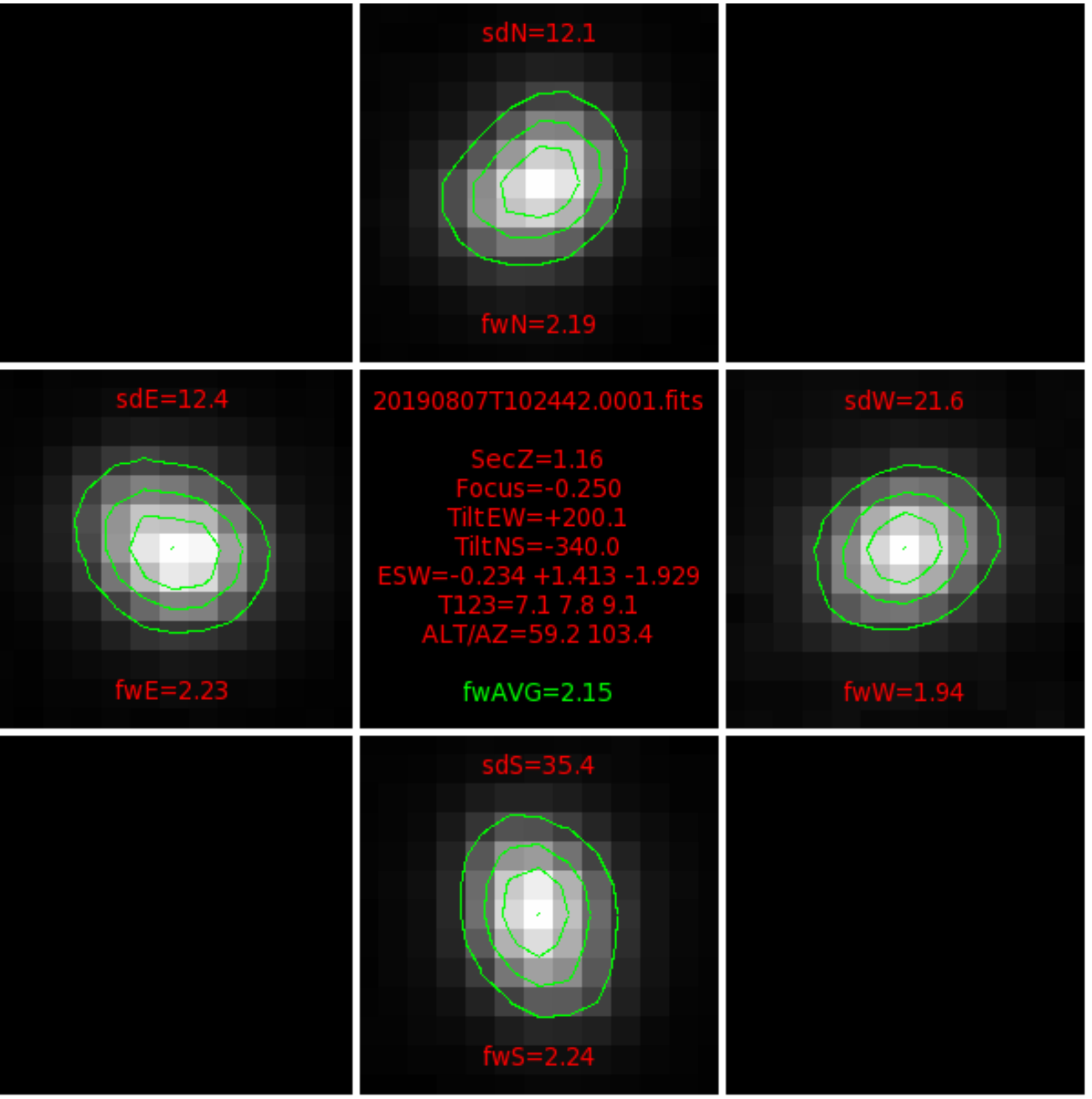

sdN=25.5
fwN=1.61
sdE=155.6
fwE=1.52
20190807T102255.0001.fits
SecZ=1.13
Focus=-0.250
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.234 +1.413 -1.929
T123=6.9 7.7 9.1
ALT/AZ=62.3 106.8
fwAVG=1.57
sdW=36.4
fwW=1.55
sdS=27.5
fwS=1.61
0 0 0 0 0 0 0 0 0


sdN=12.1
fwN=2.19
sdE=12.4
fwE=2.23
20190807T102442.0001.fits
SecZ=1.16
Focus=-0.250
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.234 +1.413 -1.929
T123=7.1 7.8 9.1
ALT/AZ=59.2 103.4
fwAVG=2.15
sdW=21.6
fwW=1.94
sdS=35.4
fwS=2.24
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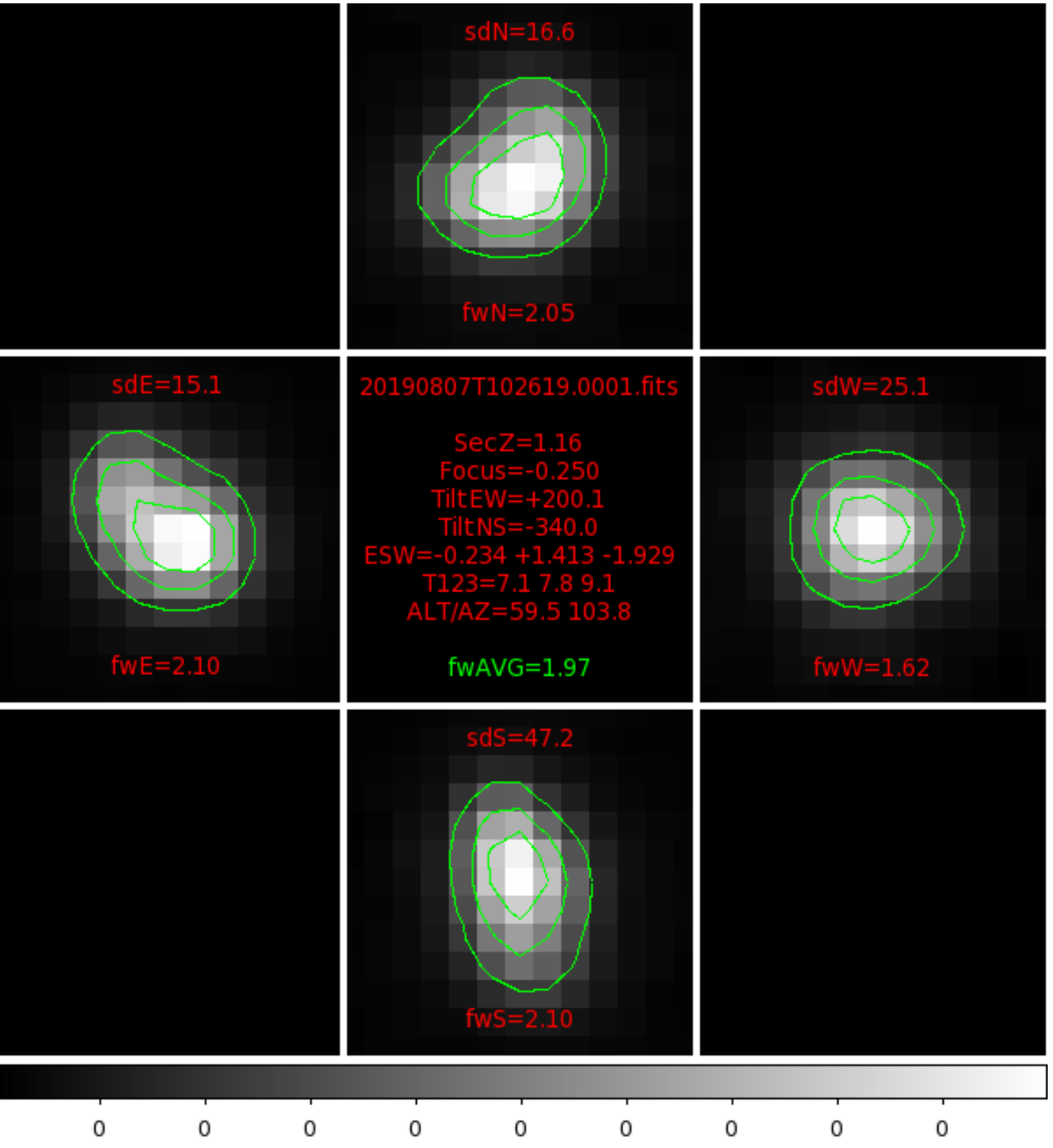
sdN=16.6
fwN=2.05
sdE=15.1
fwE=2.10
20190807T102619.0001.fits
SecZ=1.16
Focus=-0.250
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.234 +1.413 -1.929
T123=7.1 7.8 9.1
ALT/AZ=59.5 103.8
fwAVG=1.97
sdW=25.1
fwW=1.62
sdS=47.2
fwS=2.10
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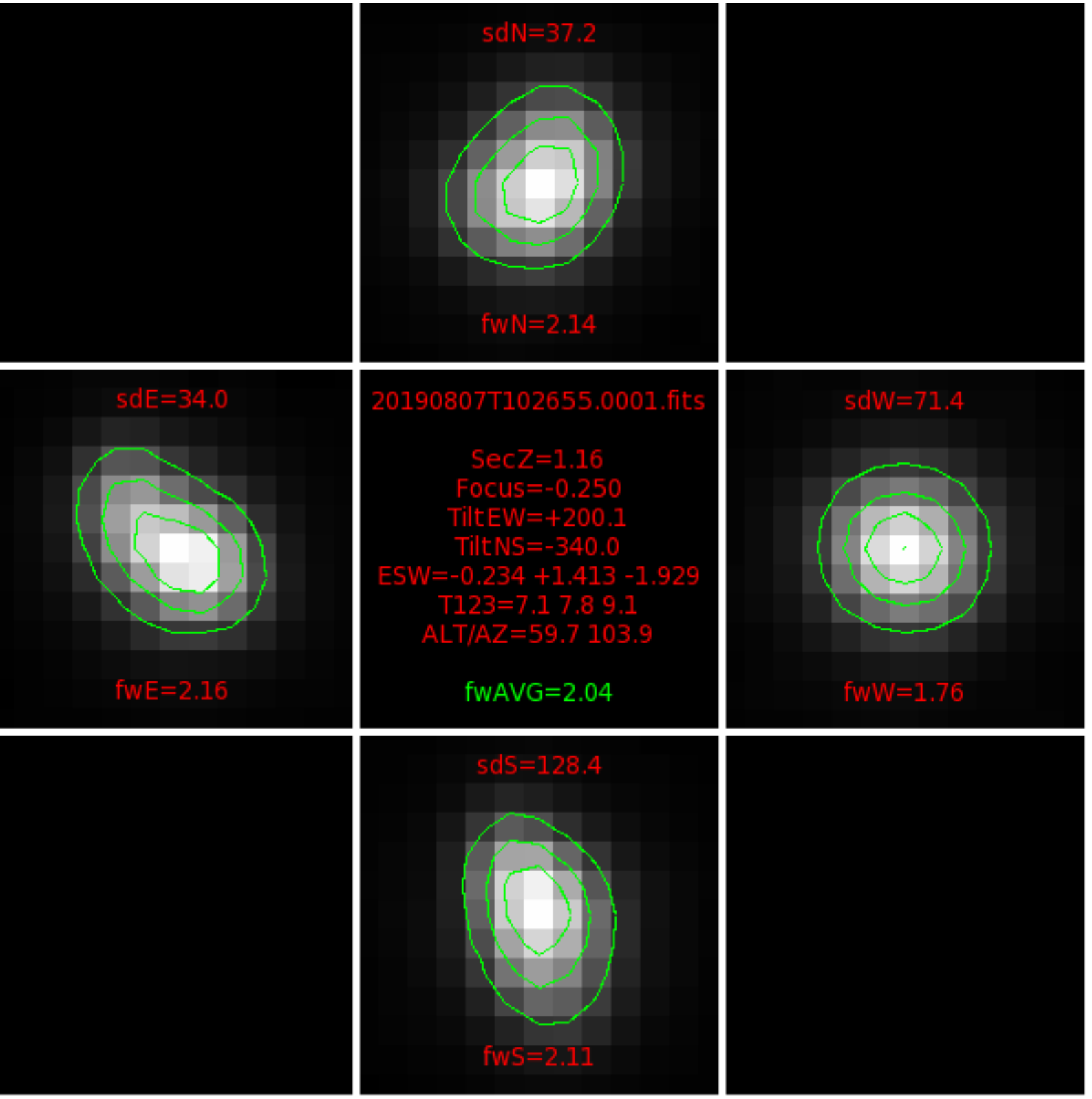
sdN=37.2
fwN=2.14
sdE=34.0
fwE=2.16
20190807T102655.0001.fits
SecZ=1.16
Focus=-0.250
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.234 +1.413 -1.929
T123=7.1 7.8 9.1
ALT/AZ=59.7 103.9
fwAVG=2.04
sdW=71.4
fwW=1.76
sdS=128.4
fwS=2.11
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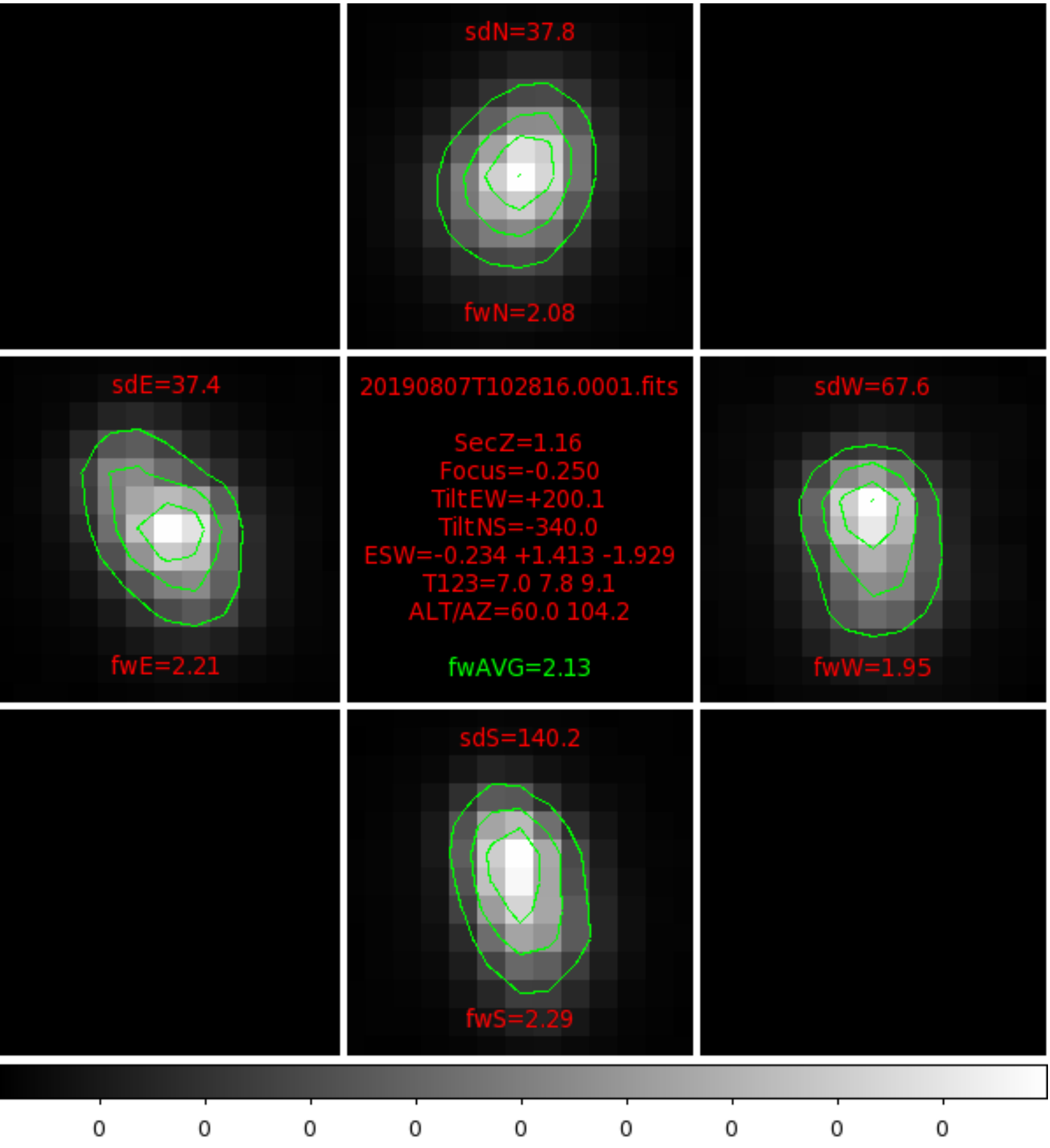
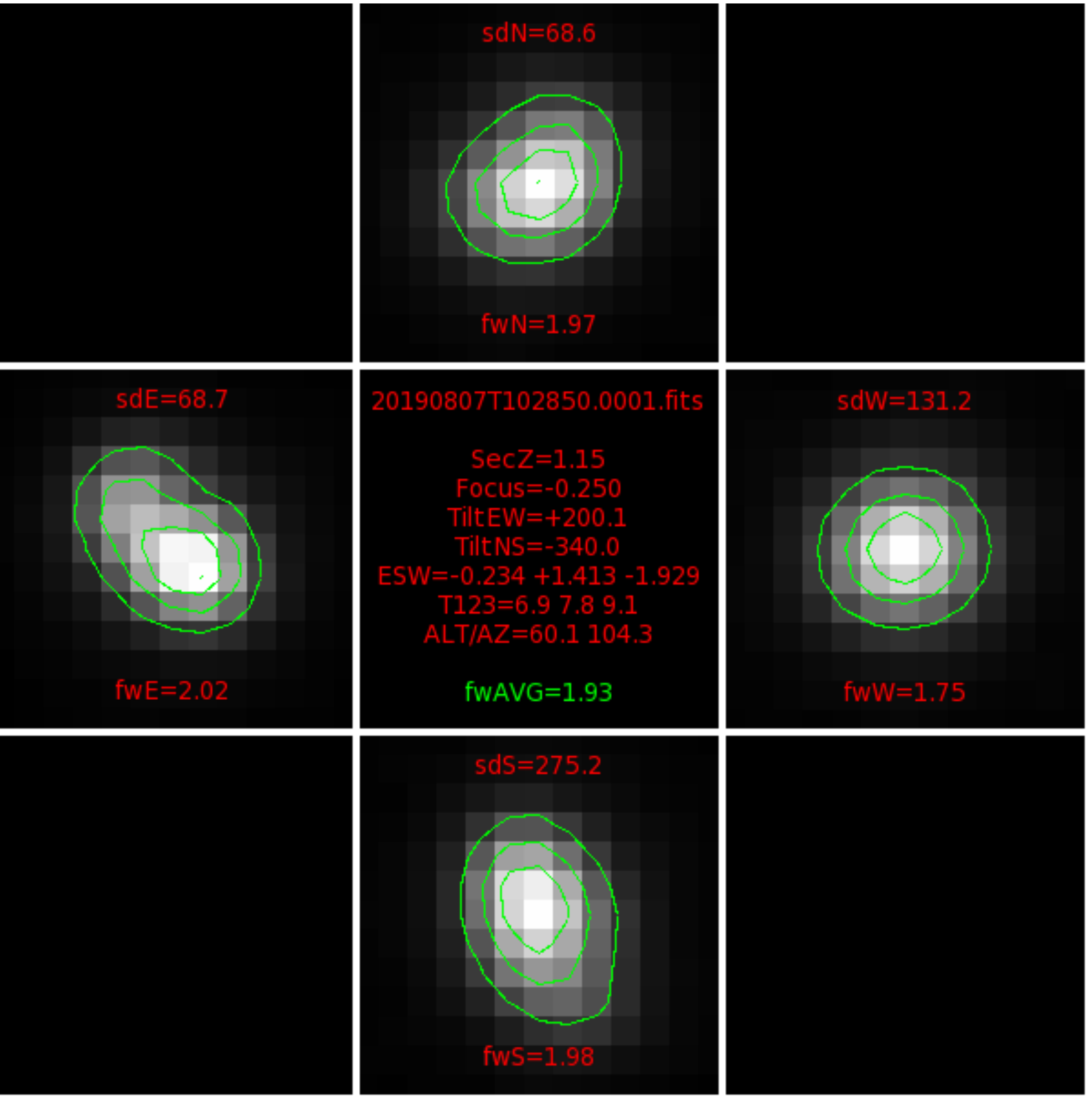
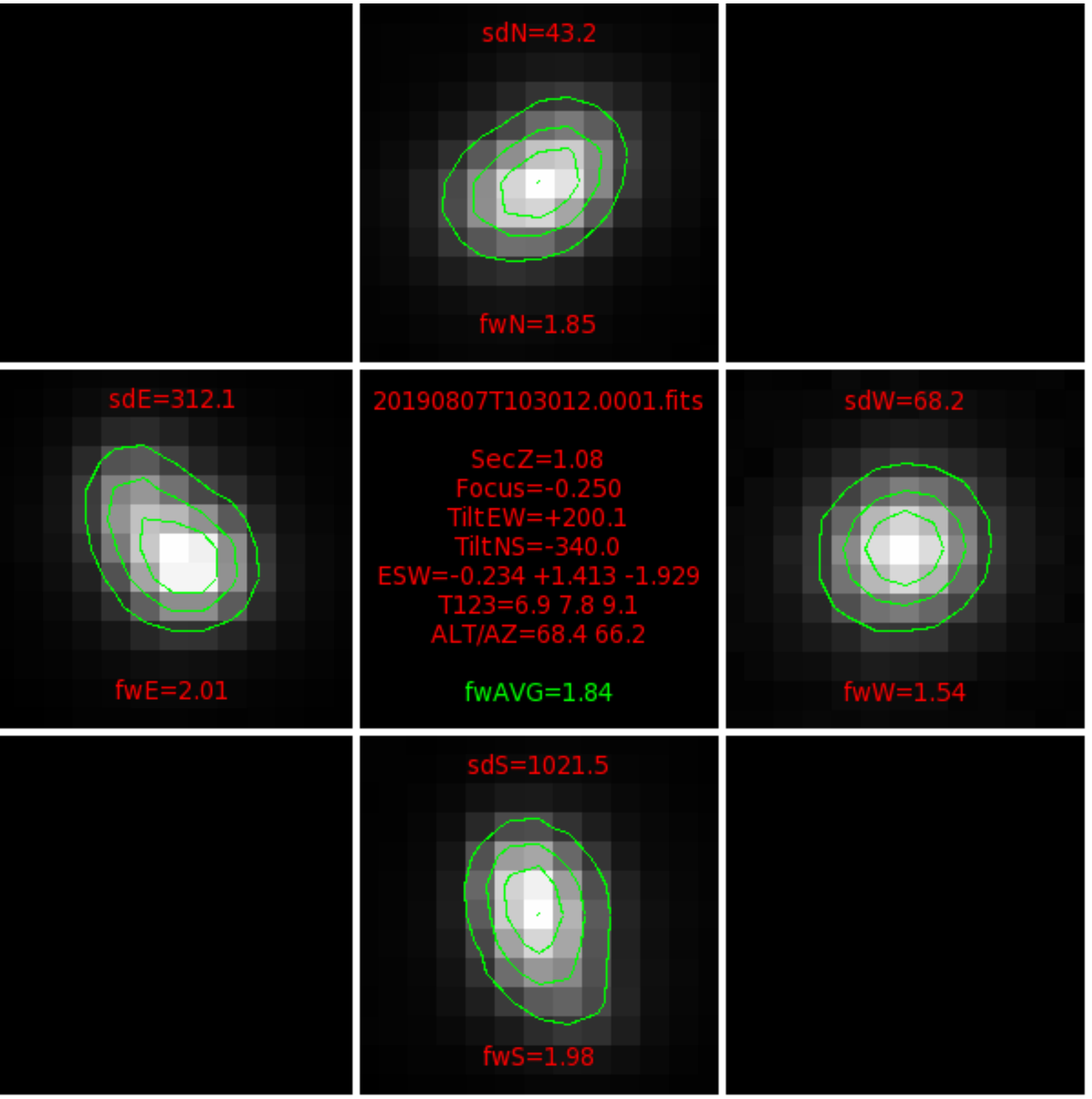

sdN=37.8
fwN=2.08
sdE=37.4
fwE=2.21
20190807T102816.0001.fits
SecZ=1.16
Focus=-0.250
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.234 +1.413 -1.929
T123=7.0 7.8 9.1
ALT/AZ=60.0 104.2
fwAVG=2.13
sdW=67.6
fwW=1.95
sdS=140.2
fwS=2.29
0 0 0 0 0 0 0 0 0


sdN=68.6
fwN=1.97
sdE=68.7
fwE=2.02
20190807T102850.0001.fits
SecZ=1.15
Focus=-0.250
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.234 +1.413 -1.929
T123=6.9 7.8 9.1
ALT/AZ=60.1 104.3
fwAVG=1.93
sdW=131.2
fwW=1.75
sdS=275.2
fwS=1.98
0 0 0 0 0 0 0 0 0


sdN=43.2
fwN=1.85
sdE=312.1
fwE=2.01
20190807T103012.0001.fits
SecZ=1.08
Focus=-0.250
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.234 +1.413 -1.929
T123=6.9 7.8 9.1
ALT/AZ=68.4 66.2
fwAVG=1.84
sdW=68.2
fwW=1.54
sdS=1021.5
fwS=1.98
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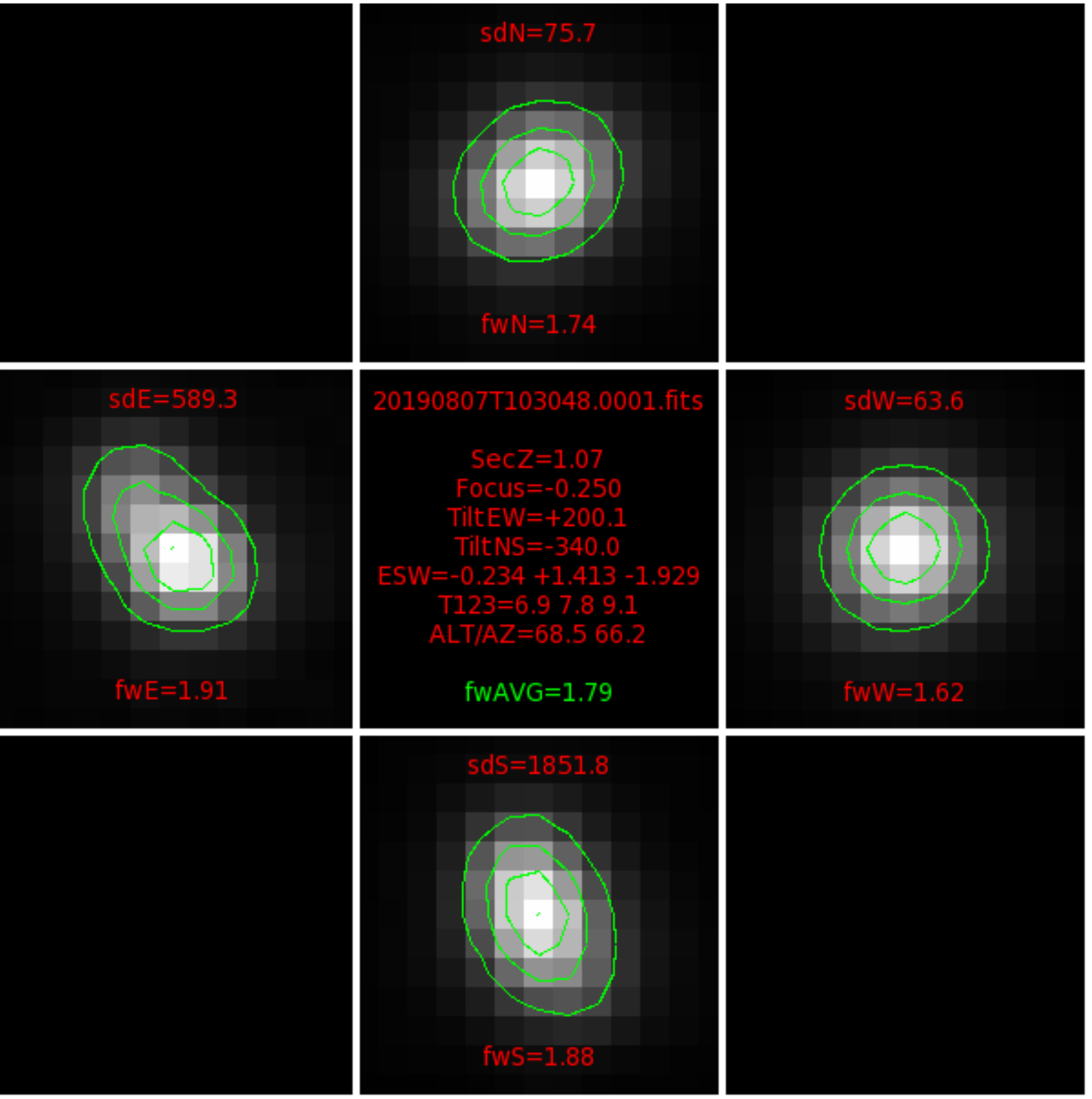
sdN=75.7
fwN=1.74
sdE=589.3
fwE=1.91
20190807T103048.0001.fits
SecZ=1.07
Focus=-0.250
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.234 +1.413 -1.929
T123=6.9 7.8 9.1
ALT/AZ=68.5 66.2
fwAVG=1.79
sdW=63.6
fwW=1.62
sdS=1851.8
fwS=1.88
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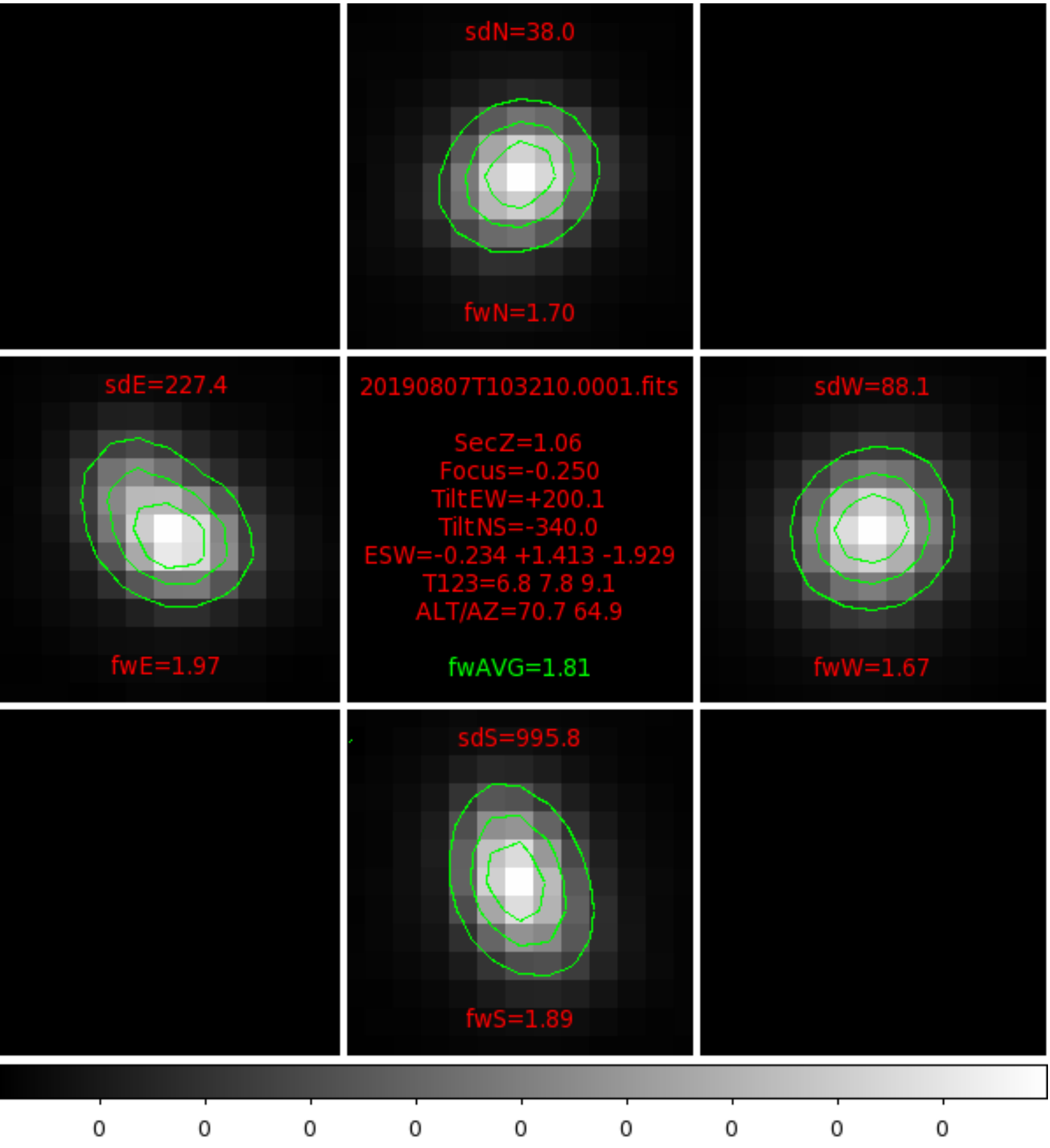
sdN=38.0
fwN=1.70
sdE=227.4
fwE=1.97
20190807T103210.0001.fits
SecZ=1.06
Focus=-0.250
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.234 +1.413 -1.929
T123=6.8 7.8 9.1
ALT/AZ=70.7 64.9
fwAVG=1.81
sdW=88.1
fwW=1.67
sdS=995.8
fwS=1.89
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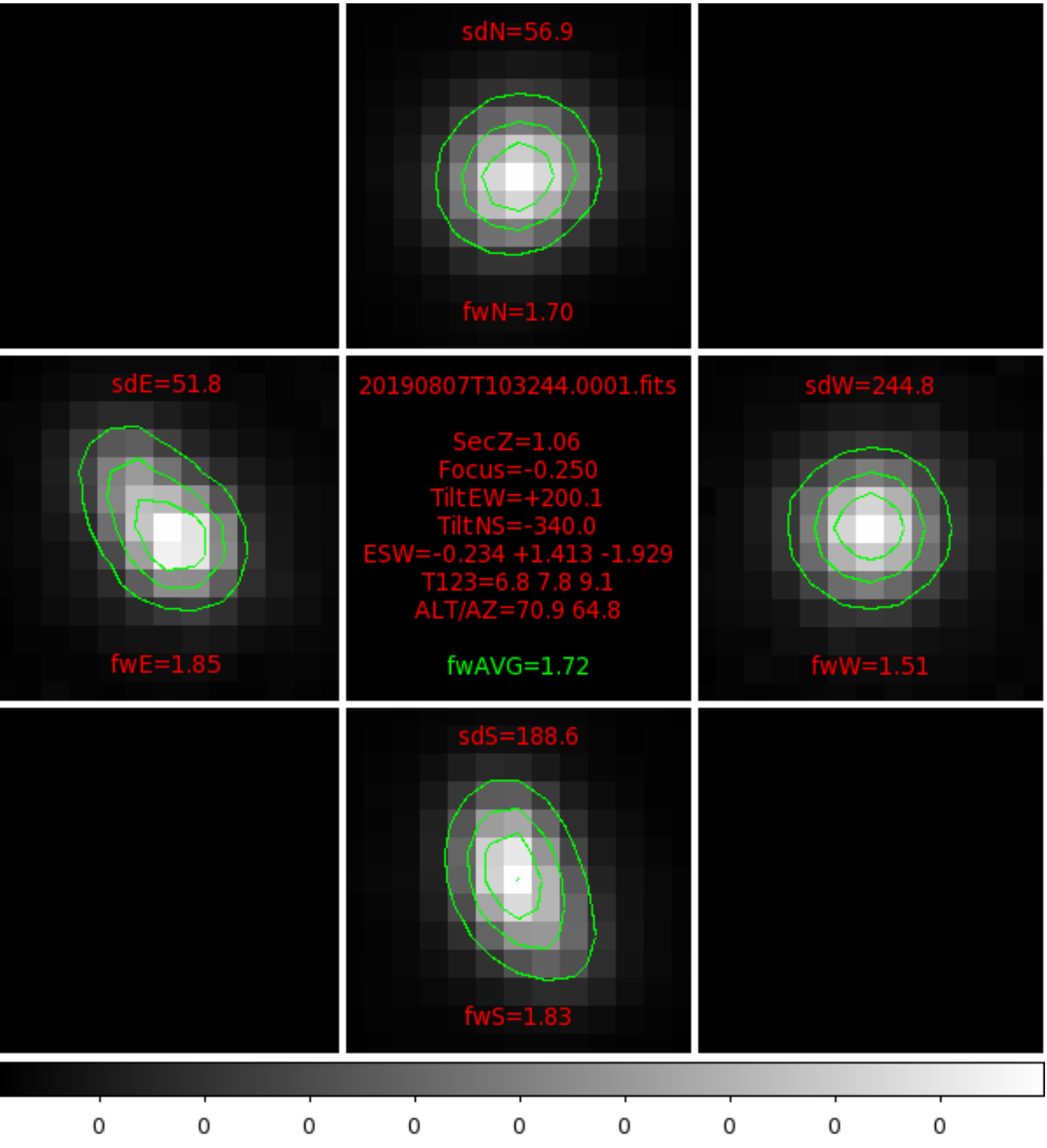
sdN=56.9
fwN=1.70
sdE=51.8
fwE=1.85
20190807T103244.0001.fits
SecZ=1.06
Focus=-0.250
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.234 +1.413 -1.929
T123=6.8 7.8 9.1
ALT/AZ=70.9 64.8
fwAVG=1.72
sdW=244.8
fwW=1.51
sdS=188.6
fwS=1.83
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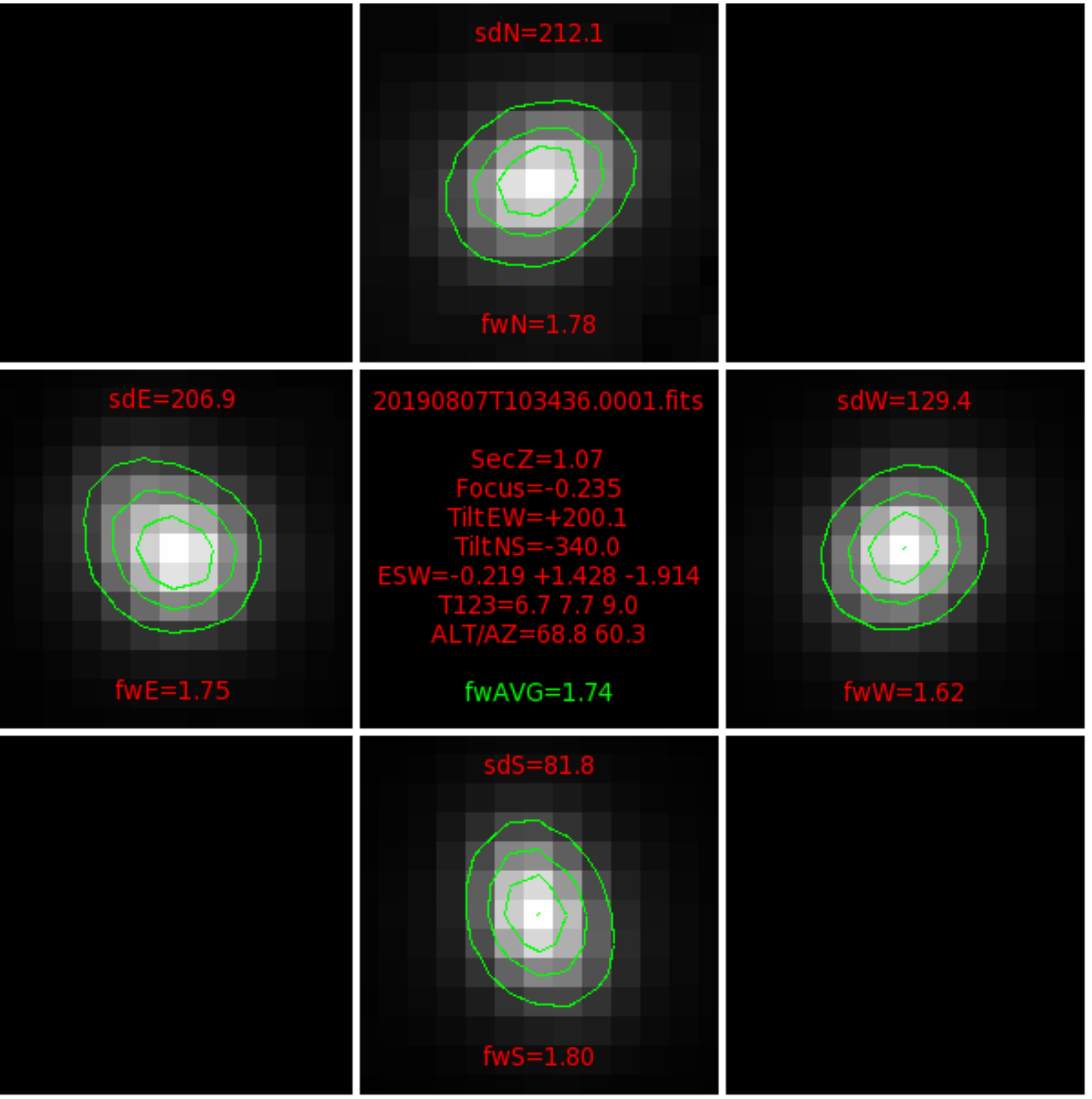
sdN=212.1
fwN=1.78
sdE=206.9
fwE=1.75
20190807T103436.0001.fits
SecZ=1.07
Focus=-0.235
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.219 +1.428 -1.914
T123=6.7 7.7 9.0
ALT/AZ=68.8 60.3
fwAVG=1.74
sdW=129.4
fwW=1.62
sdS=81.8
fwS=1.80
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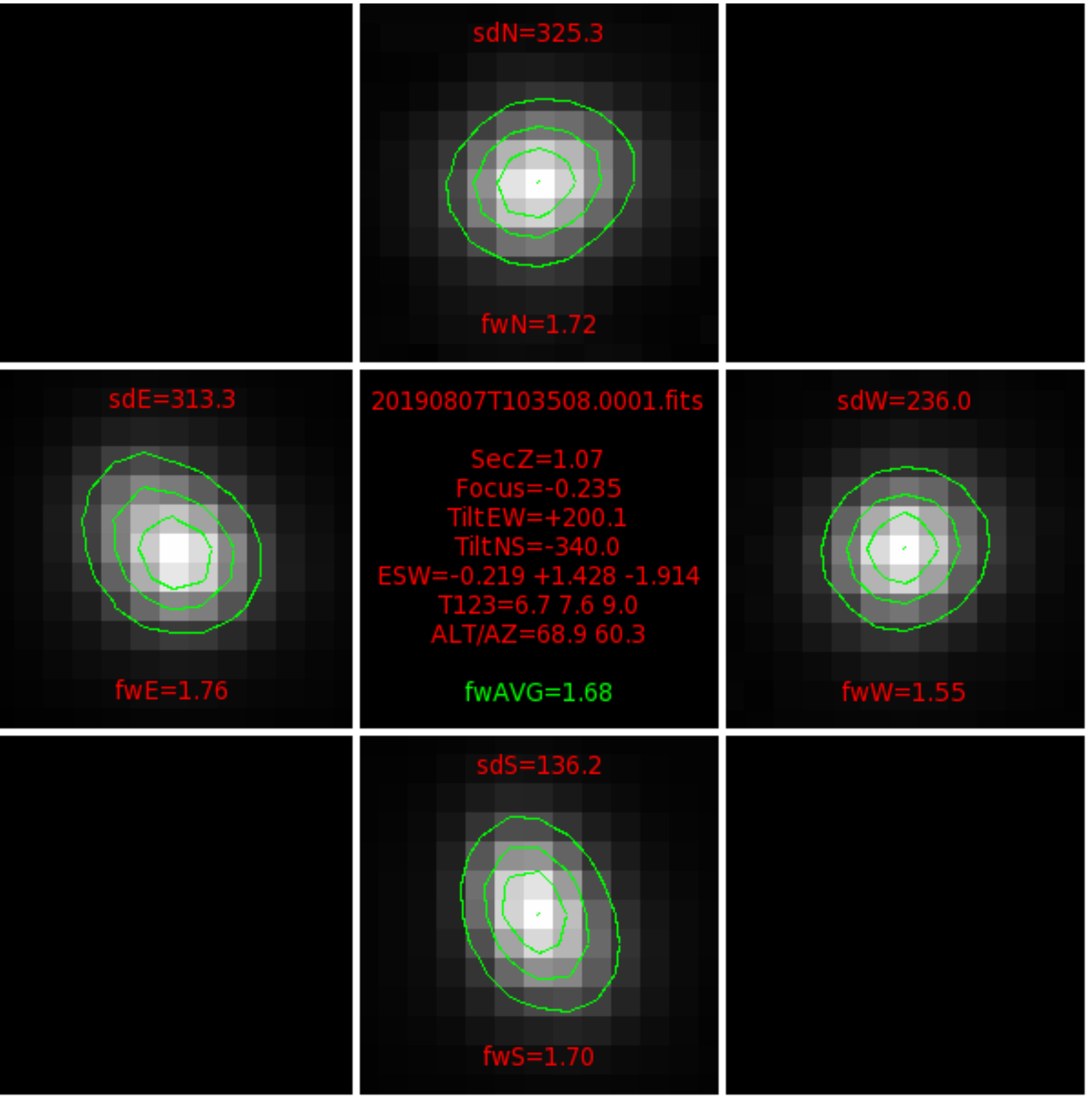
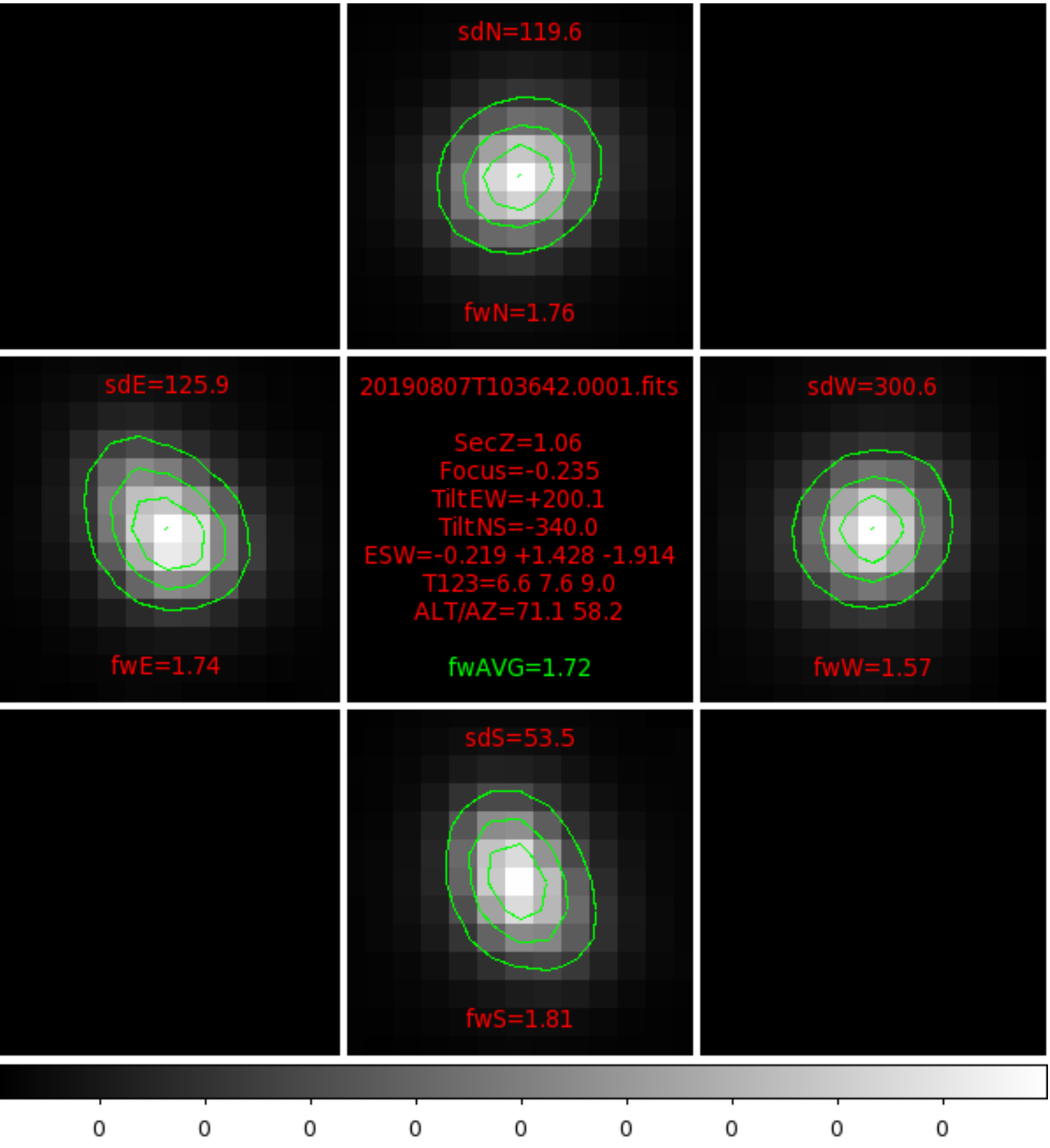

sdN=325.3
fwN=1.72
sdE=313.3
fwE=1.76
20190807T103508.0001.fits
SecZ=1.07
Focus=-0.235
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.219 +1.428 -1.914
T123=6.7 7.6 9.0
ALT/AZ=68.9 60.3
fwAVG=1.68
sdW=236.0
fwW=1.55
sdS=136.2
fwS=1.70
0 0 0 0 0 0 0 0 0


sdN=119.6
fwN=1.76
sdE=125.9
fwE=1.74
20190807T103642.0001.fits
SecZ=1.06
Focus=-0.235
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.219 +1.428 -1.914
T123=6.6 7.6 9.0
ALT/AZ=71.1 58.2
fwAVG=1.72
sdW=300.6
fwW=1.57
sdS=53.5
fwS=1.81
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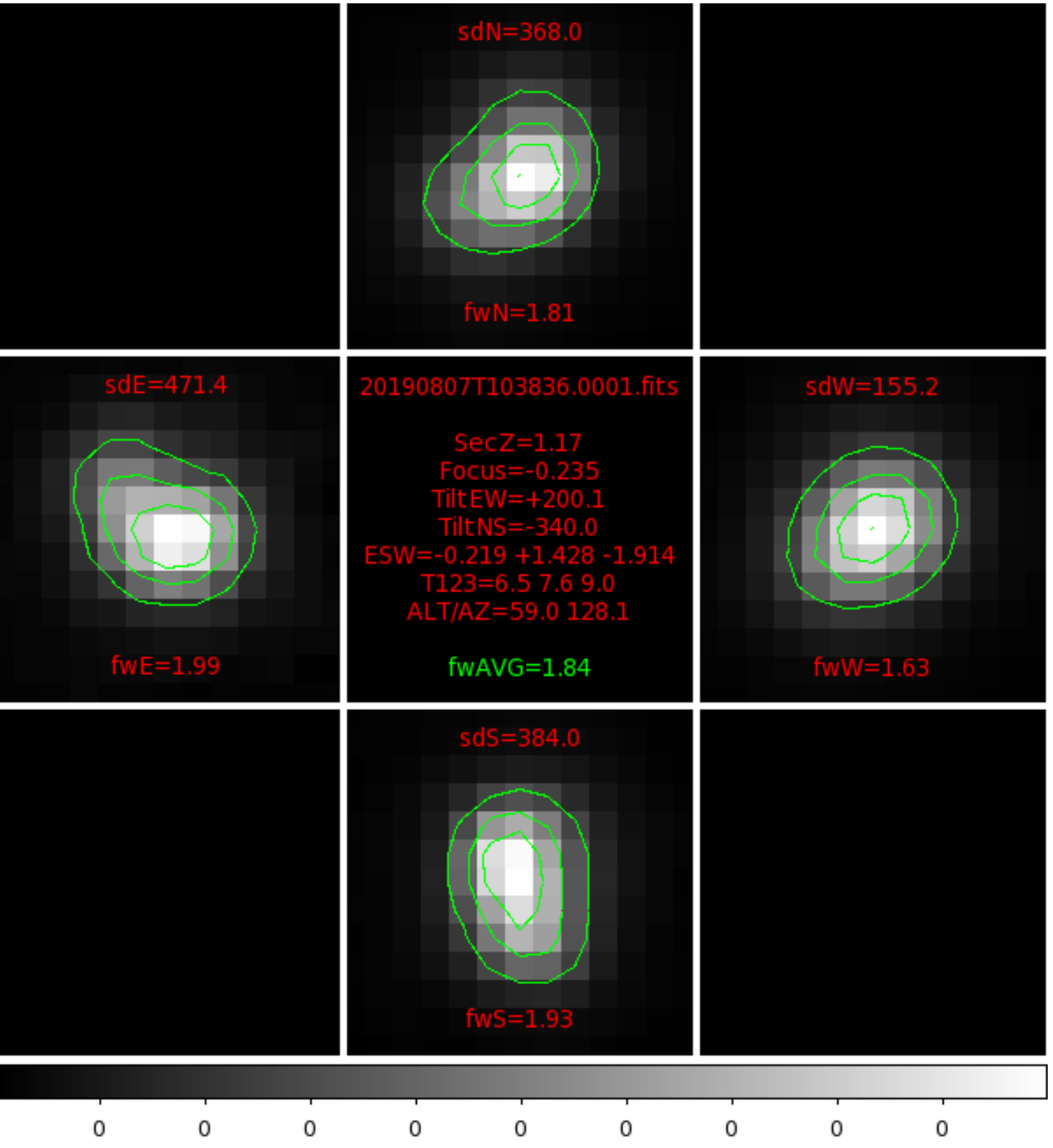
sdN=368.0
fwN=1.81
sdE=471.4
fwE=1.99
20190807T103836.0001.fits
SecZ=1.17
Focus=-0.235
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.219 +1.428 -1.914
T123=6.5 7.6 9.0
ALT/AZ=59.0 128.1
fwAVG=1.84
sdW=155.2
fwW=1.63
sdS=384.0
fwS=1.93
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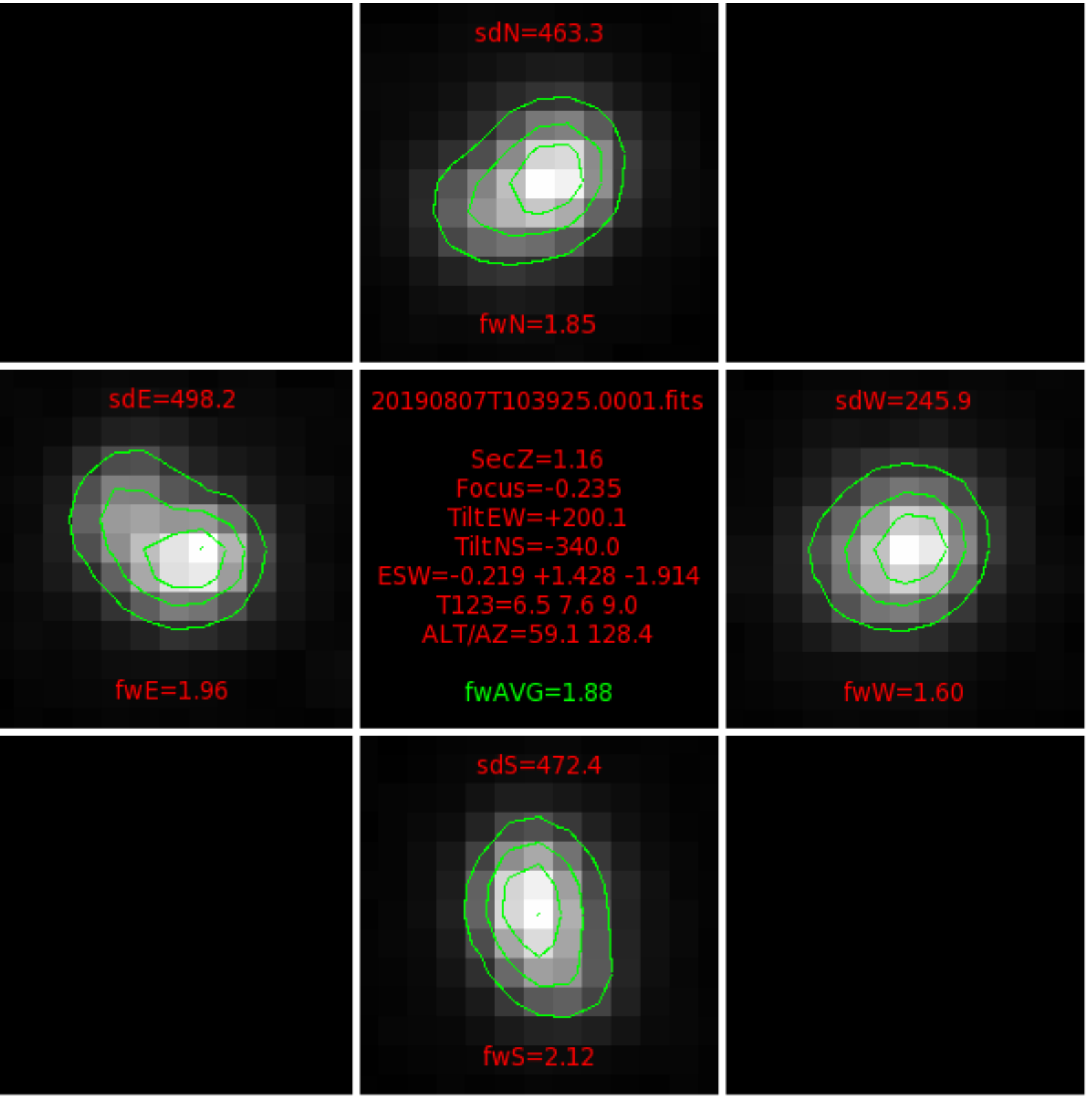
sdN=463.3
fwN=1.85
sdE=498.2
fwE=1.96
20190807T103925.0001.fits
SecZ=1.16
Focus=-0.235
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.219 +1.428 -1.914
T123=6.5 7.6 9.0
ALT/AZ=59.1 128.4
fwAVG=1.88
sdW=245.9
fwW=1.60
sdS=472.4
fwS=2.12
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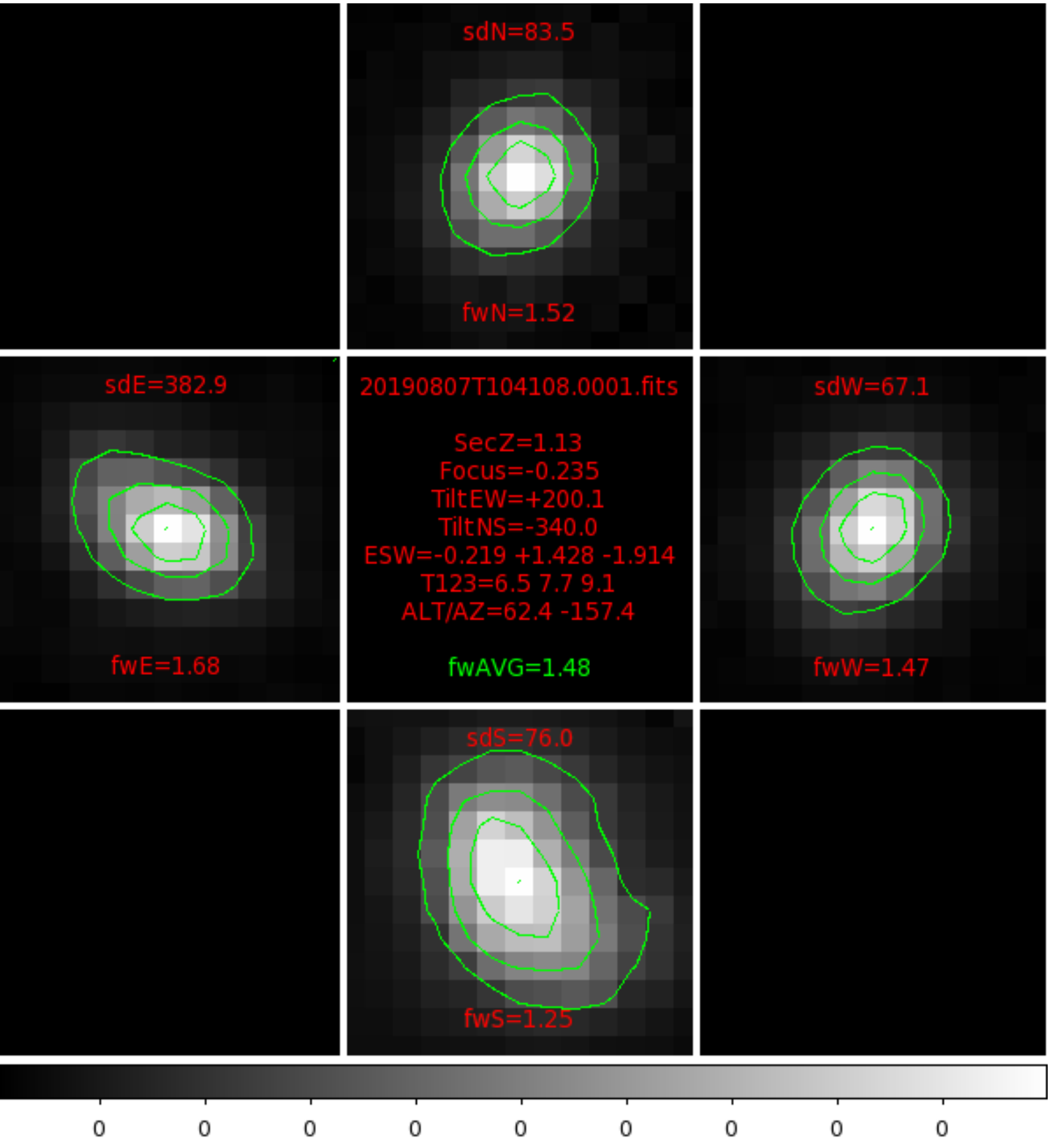
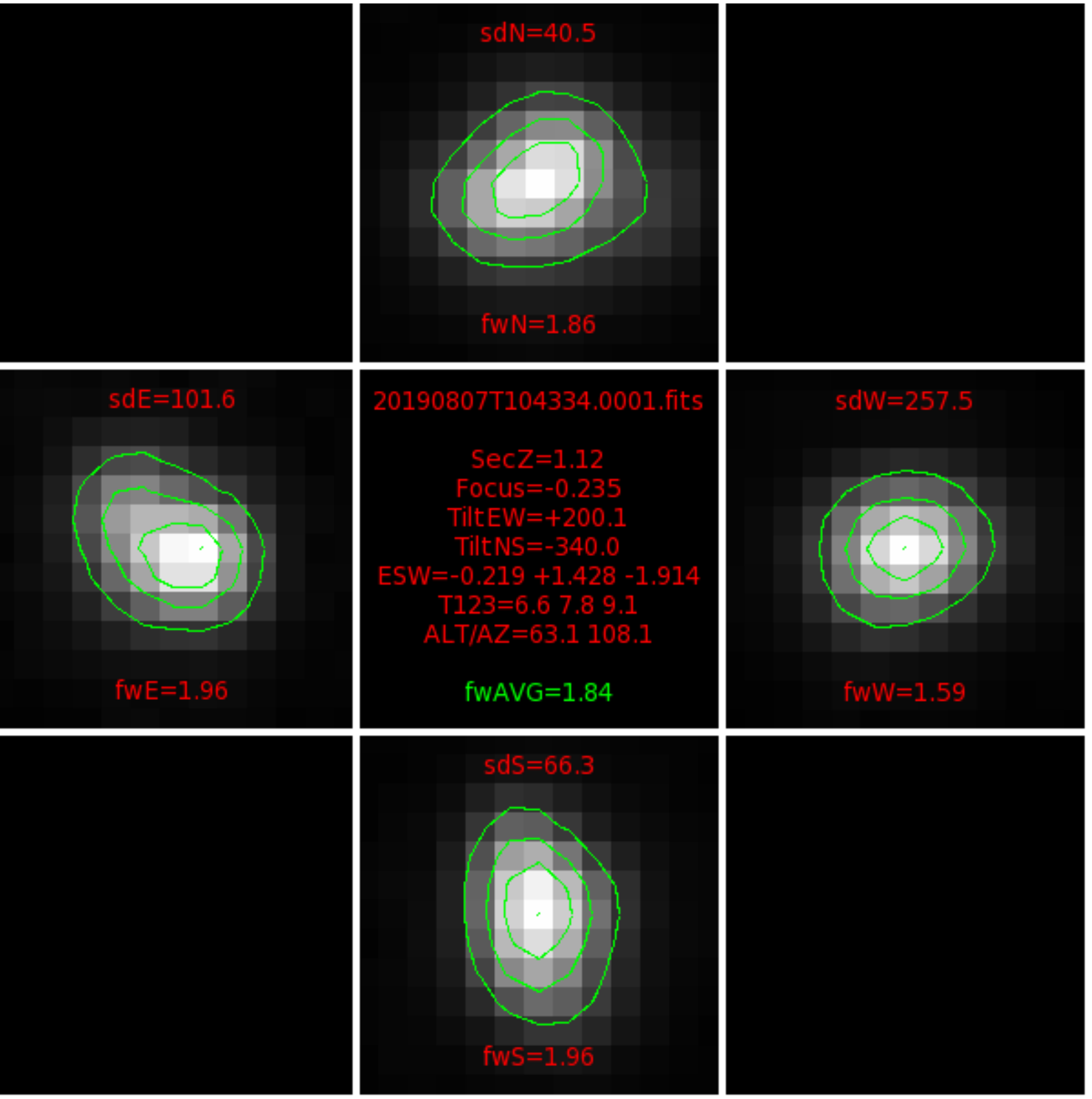

sdN=83.5
fwN=1.52
sdE=382.9
fwE=1.68
20190807T104108.0001.fits
SecZ=1.13
Focus=-0.235
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.219 +1.428 -1.914
T123=6.5 7.7 9.1
ALT/AZ=62.4 -157.4
fwAVG=1.48
sdW=67.1
fwW=1.47
sdS=76.0
fwS=1.25
0 0 0 0 0 0 0 0 0


sdN=40.5
fwN=1.86
sdE=101.6
fwE=1.96
20190807T104334.0001.fits
SecZ=1.12
Focus=-0.235
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.219 +1.428 -1.914
T123=6.6 7.8 9.1
ALT/AZ=63.1 108.1
fwAVG=1.84
sdW=257.5
fwW=1.59
sdS=66.3
fwS=1.96
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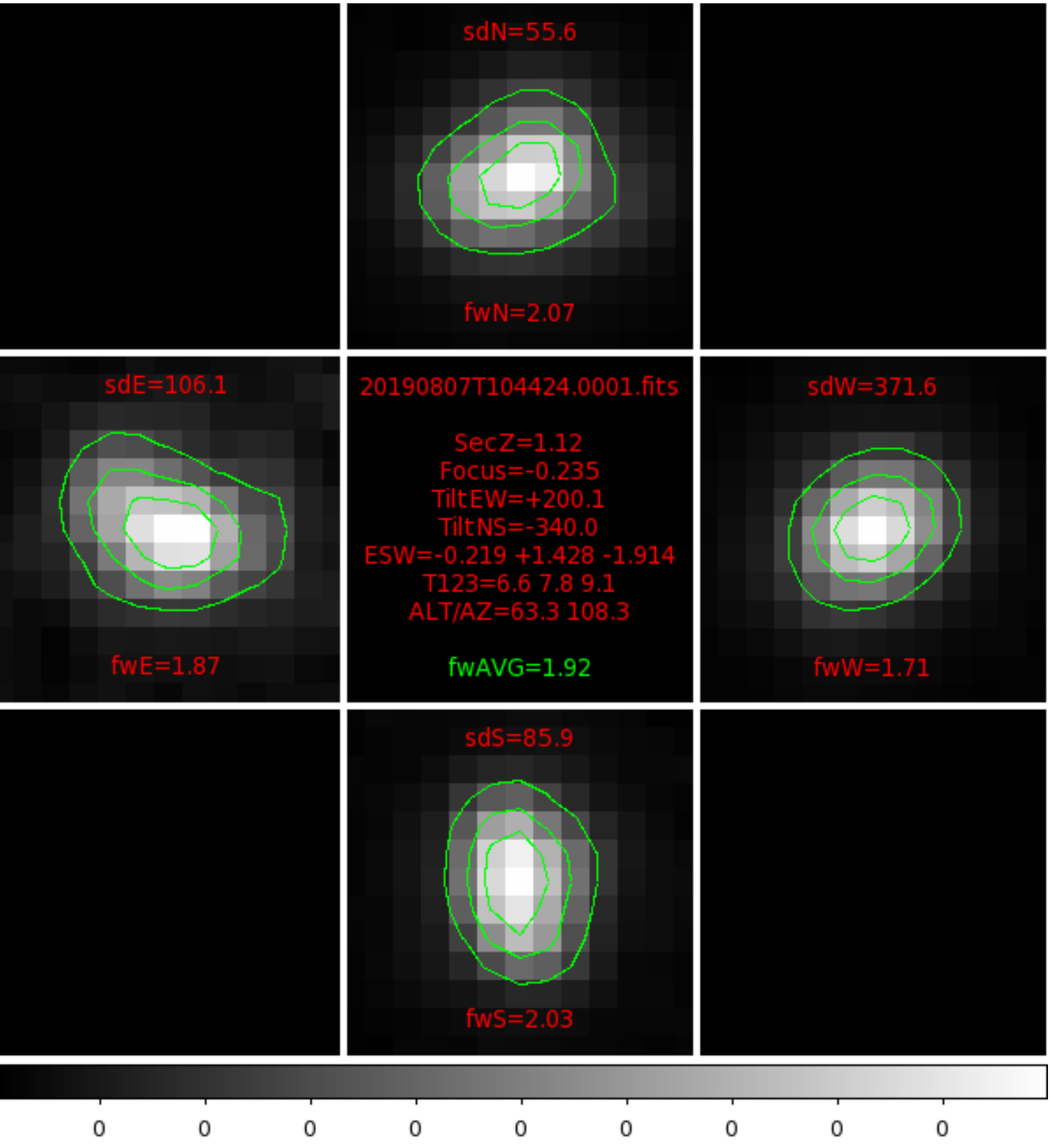
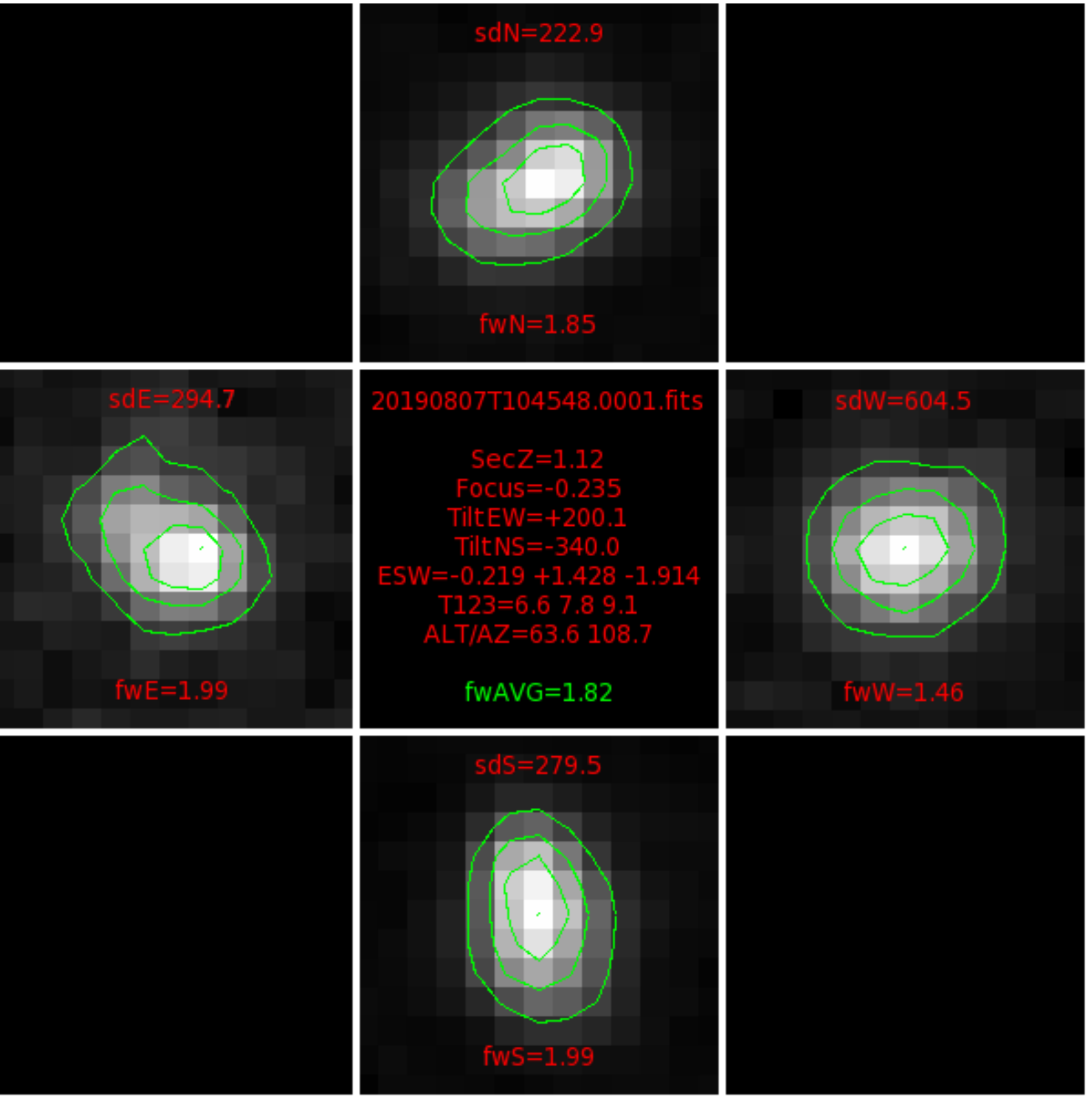
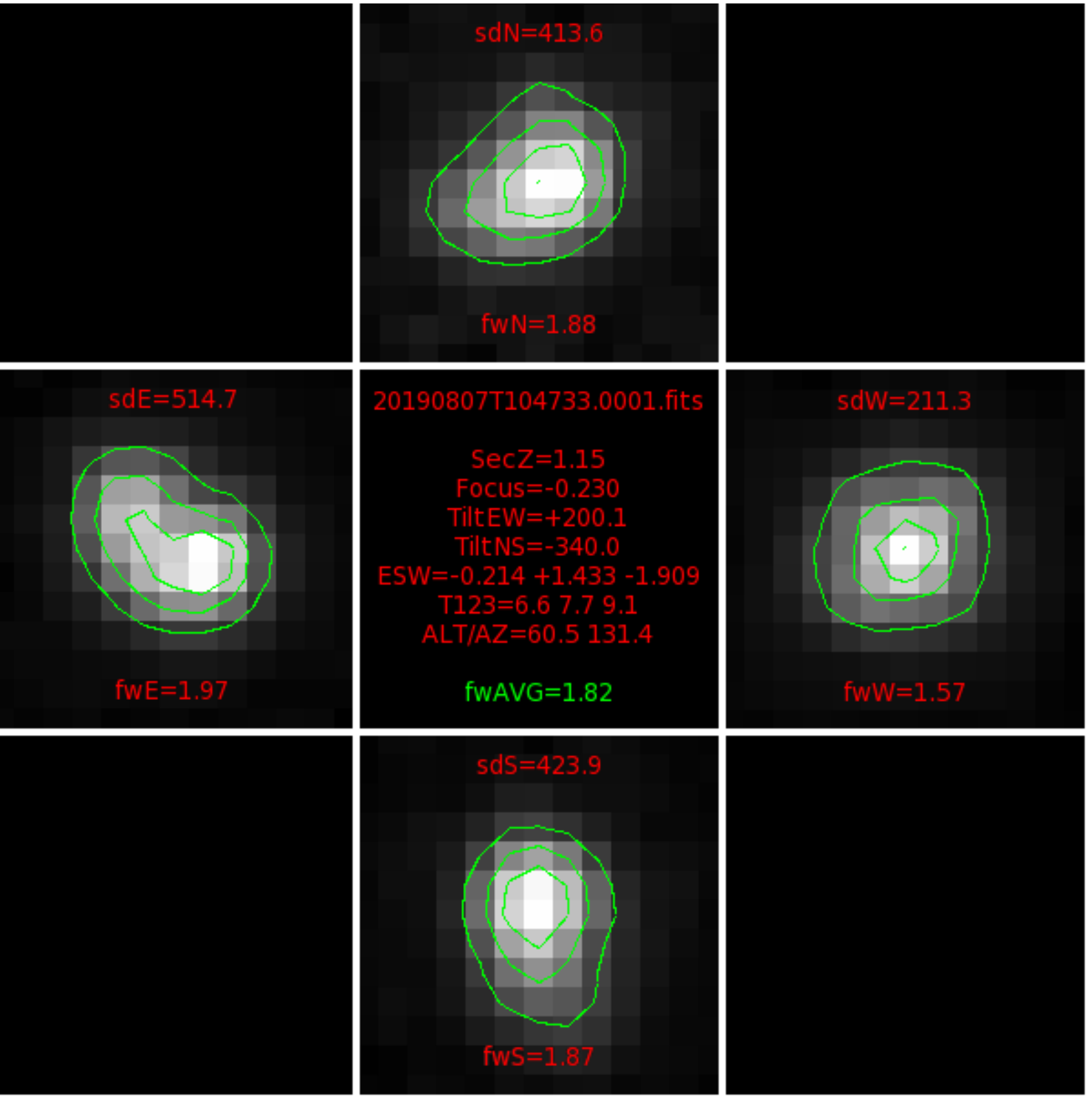
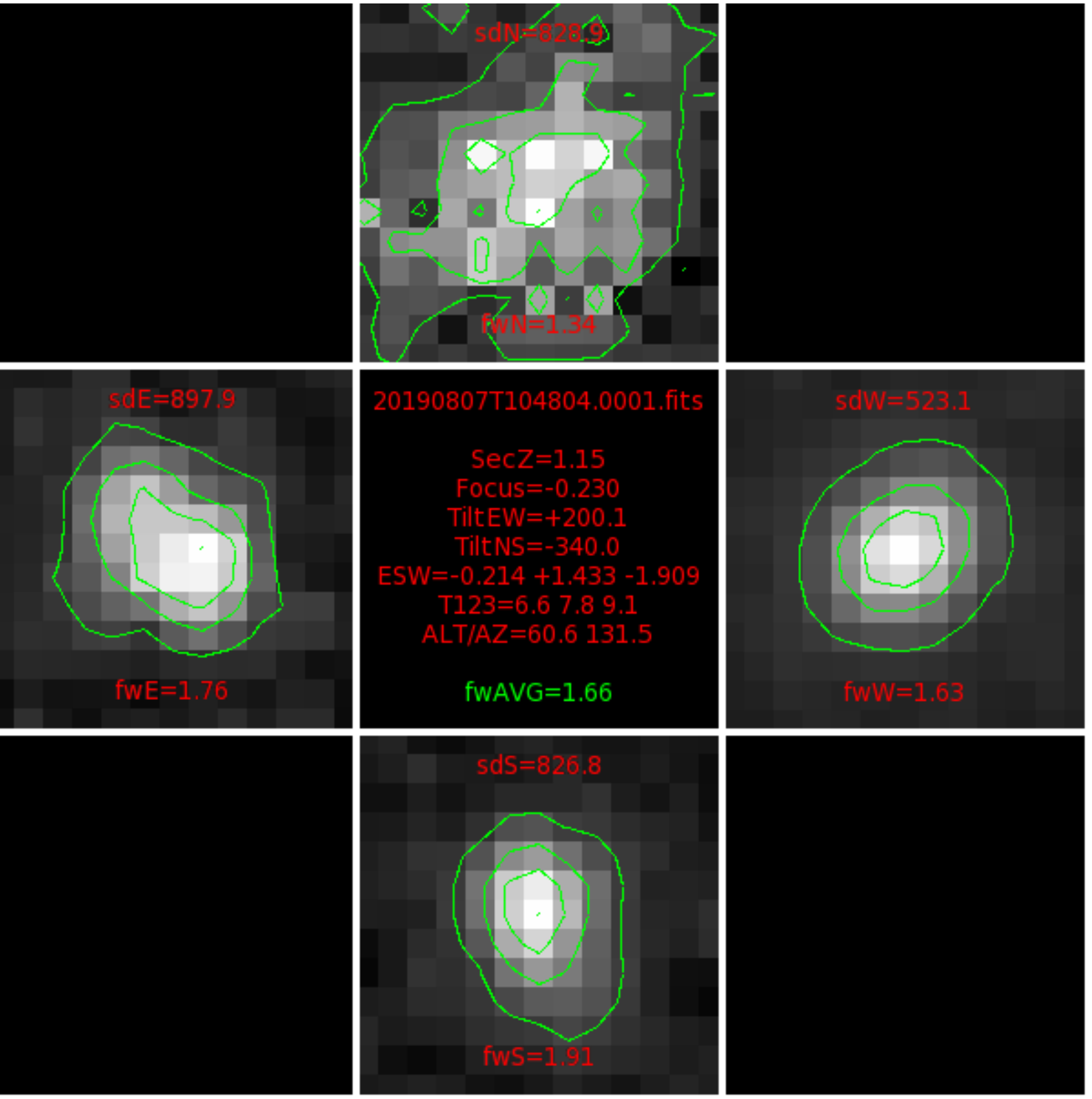

sdN=55.6
fwN=2.07
sdE=106.1
fwE=1.87
20190807T104424.0001.fits
SecZ=1.12
Focus=-0.235
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.219 +1.428 -1.914
T123=6.6 7.8 9.1
ALT/AZ=63.3 108.3
fwAVG=1.92
sdW=371.6
fwW=1.71
sdS=85.9
fwS=2.03
0 0 0 0 0 0 0 0 0


sdN=222.9
fwN=1.85
sdE=294.7
fwE=1.99
20190807T104548.0001.fits
SecZ=1.12
Focus=-0.235
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.219 +1.428 -1.914
T123=6.6 7.8 9.1
ALT/AZ=63.6 108.7
fwAVG=1.82
sdW=604.5
fwW=1.46
sdS=279.5
fwS=1.99
0 0 0 0 0 0 0 0 0


sdN=413.6
fwN=1.88
sdE=514.7
fwE=1.97
20190807T104733.0001.fits
SecZ=1.15
Focus=-0.230
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.214 +1.433 -1.909
T123=6.6 7.7 9.1
ALT/AZ=60.5 131.4
fwAVG=1.82
sdW=211.3
fwW=1.57
sdS=423.9
fwS=1.87
0 0 0 0 0 0 0 0 0


sdN=828.9
fwN=1.34
sdE=897.9
fwE=1.76
20190807T104804.0001.fits
SecZ=1.15
Focus=-0.230
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.214 +1.433 -1.909
T123=6.6 7.8 9.1
ALT/AZ=60.6 131.5
fwAVG=1.66
sdW=523.1
fwW=1.63
sdS=826.8
fwS=1.91
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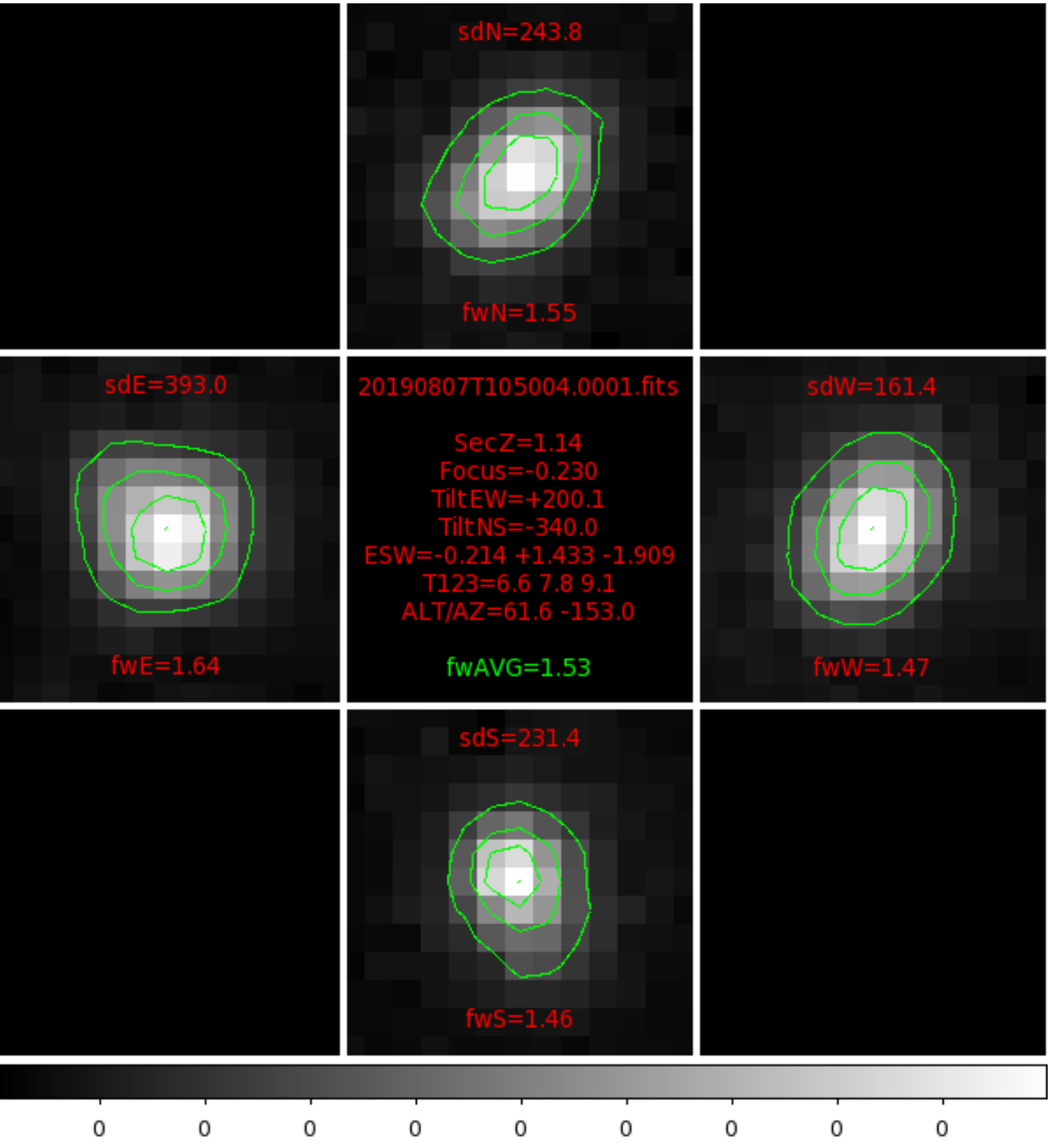
sdN=243.8
fwN=1.55
sdE=393.0
fwE=1.64
20190807T105004.0001.fits
SecZ=1.14
Focus=-0.230
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.214 +1.433 -1.909
T123=6.6 7.8 9.1
ALT/AZ=61.6 -153.0
fwAVG=1.53
sdW=161.4
fwW=1.47
sdS=231.4
fwS=1.46
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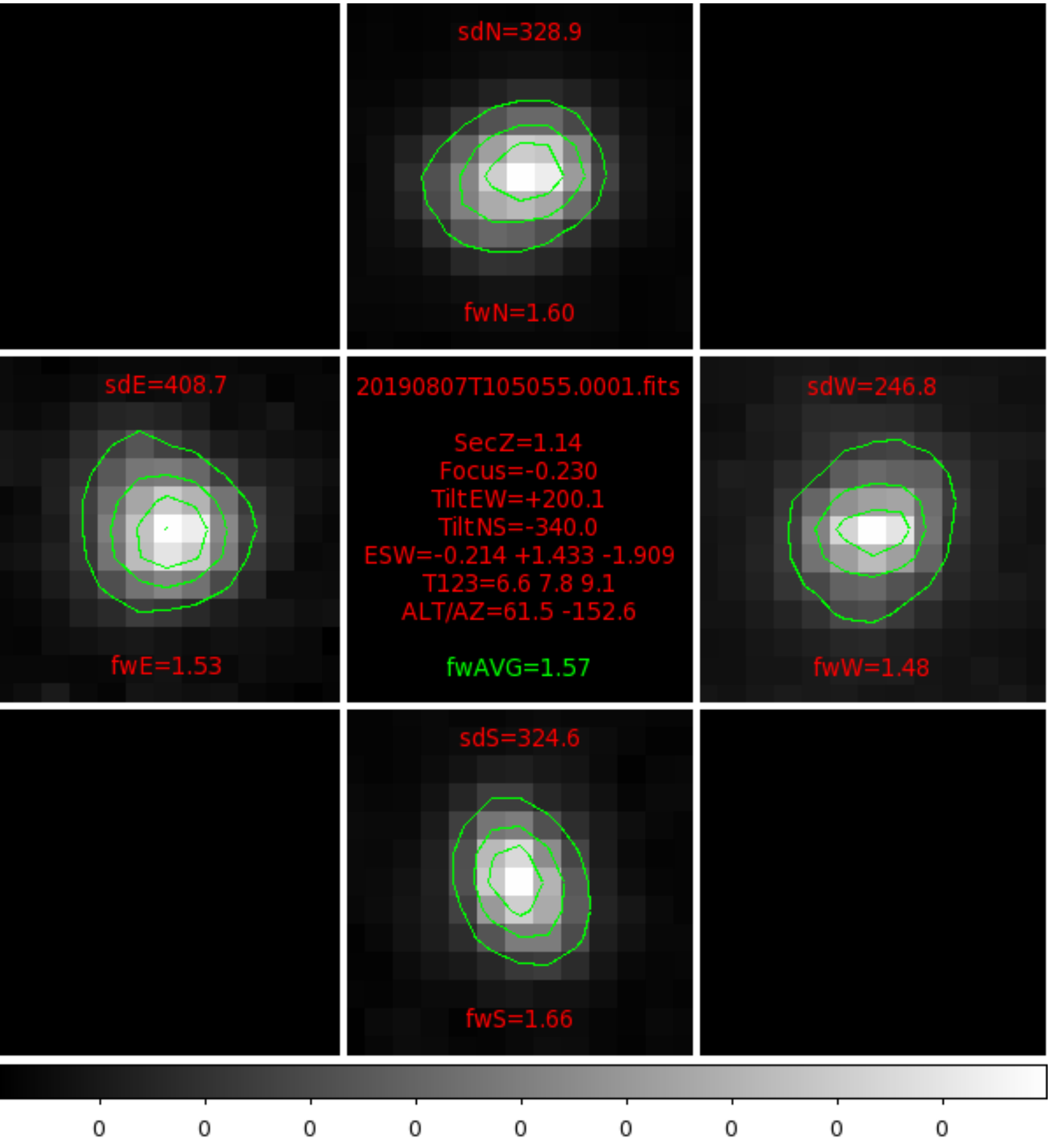
sdN=328.9
fwN=1.60
sdE=408.7
fwE=1.53
20190807T105055.0001.fits
SecZ=1.14
Focus=-0.230
TiltEW=+200.1
TiltNS=-340.0
ESW=-0.214 +1.433 -1.909
T123=6.6 7.8 9.1
ALT/AZ=61.5 -152.6
fwAVG=1.57
sdW=246.8
fwW=1.48
sdS=324.6
fwS=1.66
0 0 0 0 0 0 0 0 0