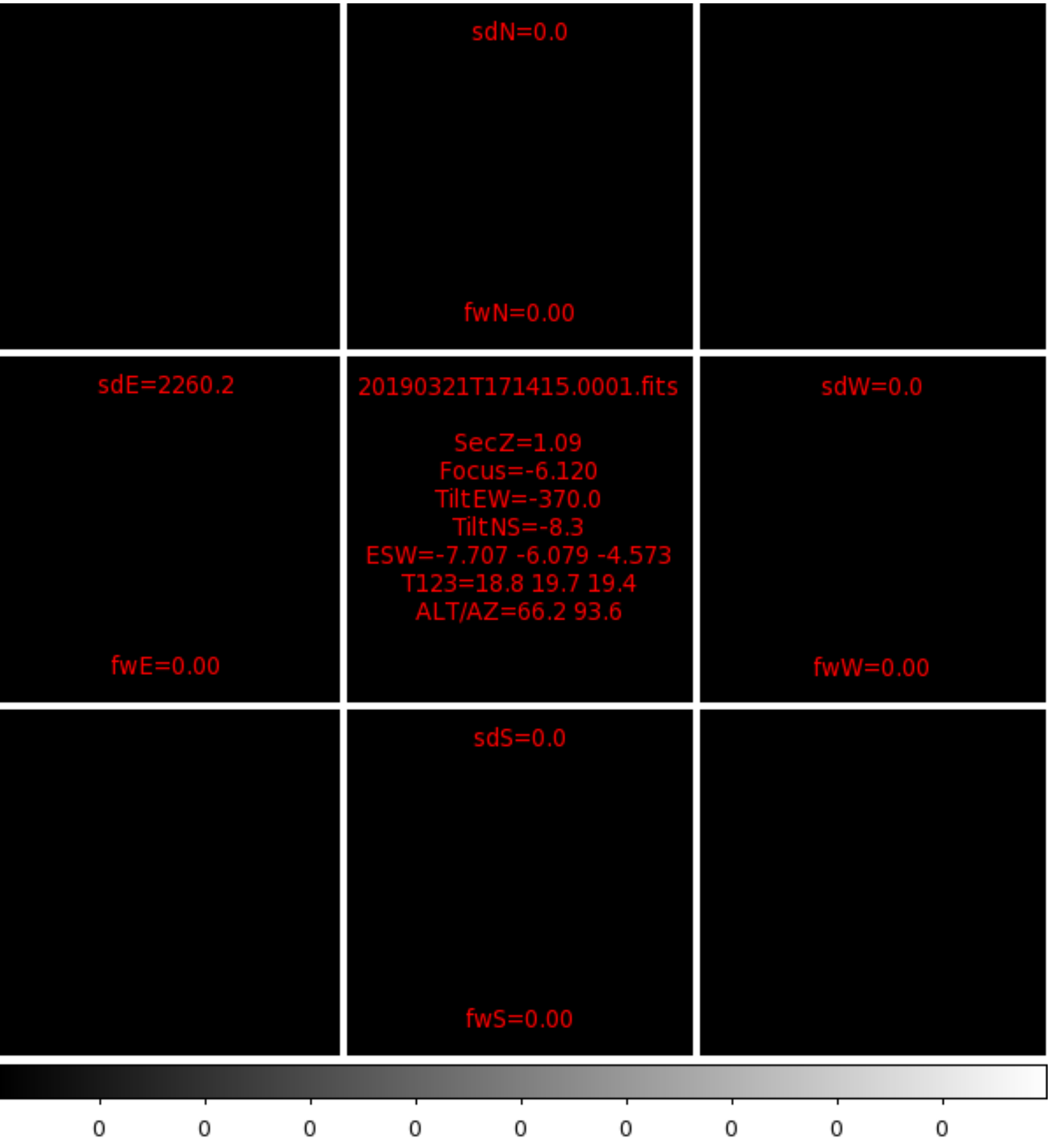
sdN=0.0
fwN=0.00
sdE=2260.2
fwE=0.00
20190321T171415.0001.fits
SecZ=1.09
Focus=-6.120
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.707 -6.079 -4.573
T123=18.8 19.7 19.4
ALT/AZ=66.2 93.6
sdW=0.0
fwW=0.00
sdS=0.0
fwS=0.00
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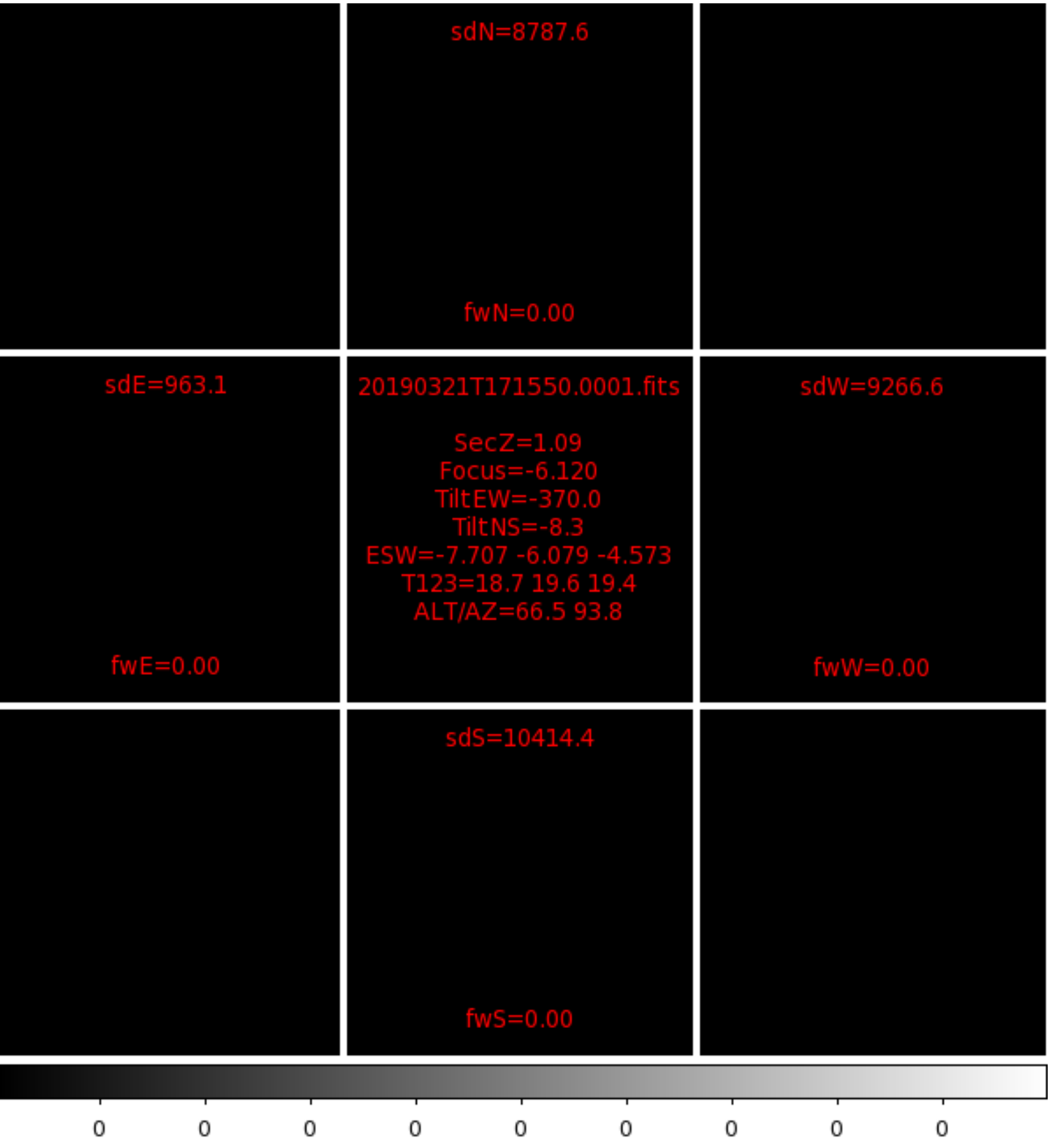
sdN=8787.6
fwN=0.00
sdE=963.1
fwE=0.00
20190321T171550.0001.fits
SecZ=1.09
Focus=-6.120
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.707 -6.079 -4.573
T123=18.7 19.6 19.4
ALT/AZ=66.5 93.8
sdW=9266.6
fwW=0.00
sdS=10414.4
fwS=0.00
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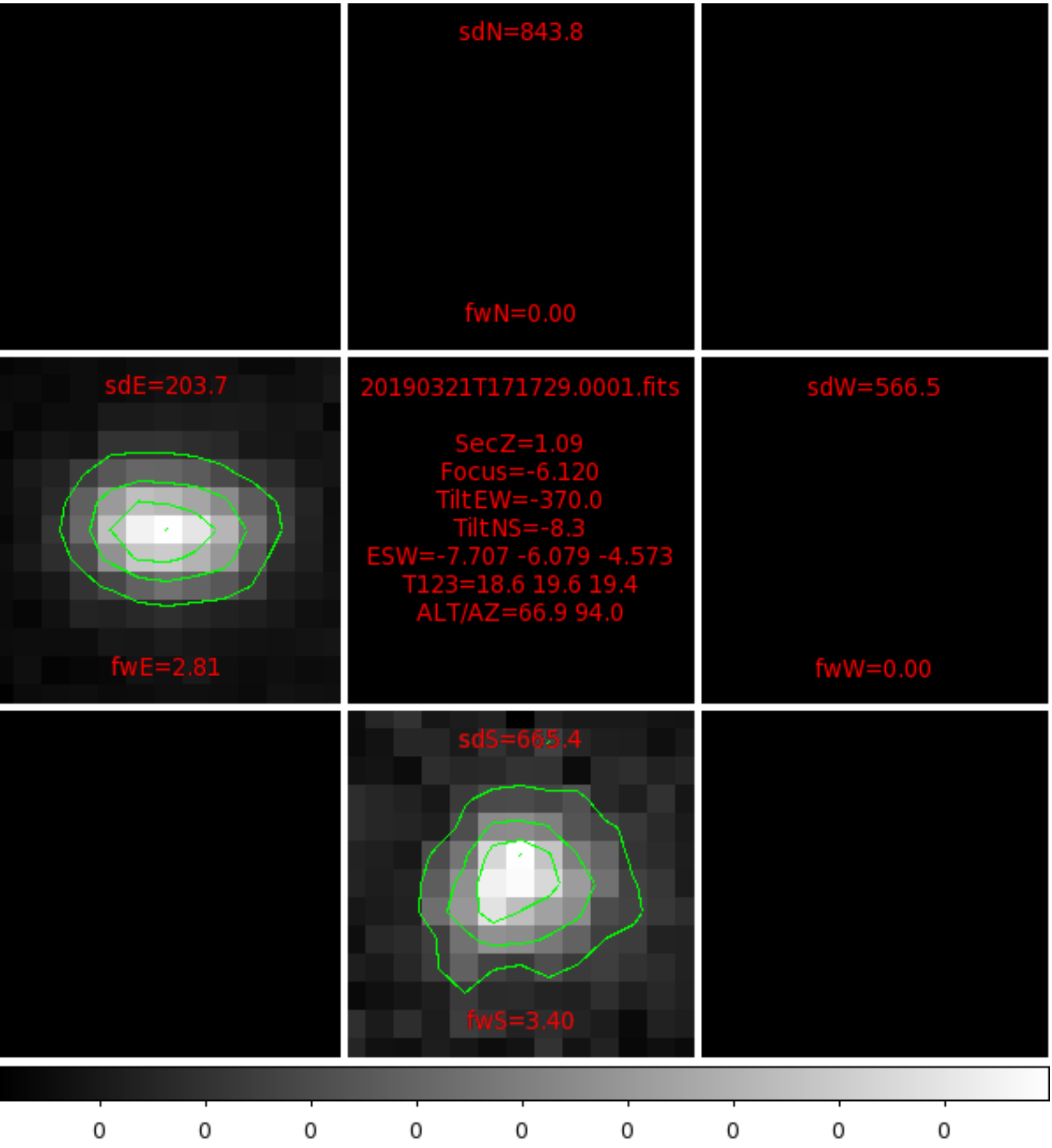
sdN=843.8
fwN=0.00
sdE=203.7
fwE=2.81
20190321T171729.0001.fits
SecZ=1.09
Focus=-6.120
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.707 -6.079 -4.573
T123=18.6 19.6 19.4
ALT/AZ=66.9 94.0
sdW=566.5
fwW=0.00
sdS=665.4
fwS=3.40
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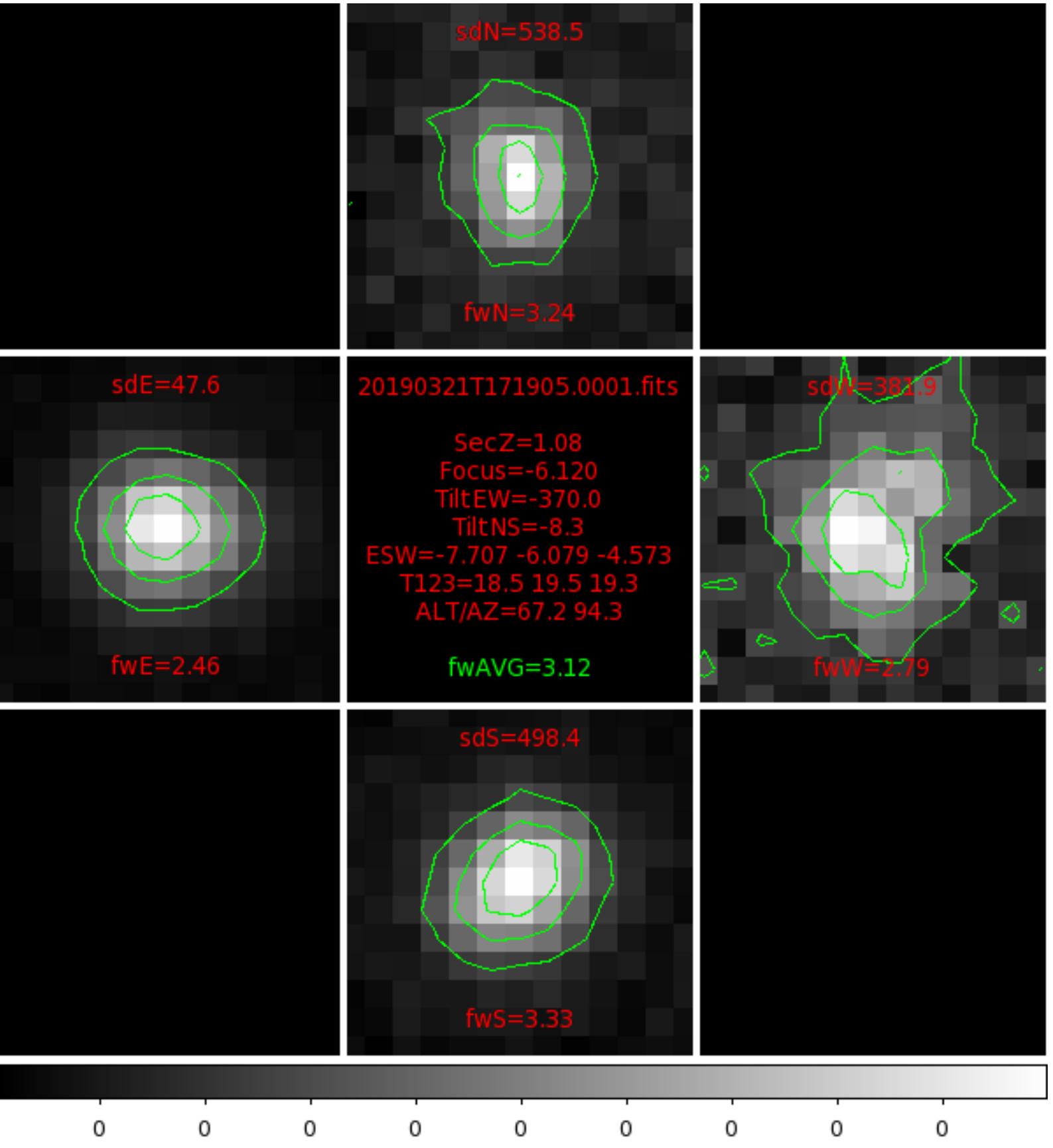
sdN=538.5
fwN=3.24
sdE=47.6
fwE=2.46
20190321T171905.0001.fits
SecZ=1.08
Focus=-6.120
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.707 -6.079 -4.573
T123=18.5 19.5 19.3
ALT/AZ=67.2 94.3
fwAVG=3.12
sdW=381.9
fwW=2.79
sdS=498.4
fwS=3.33
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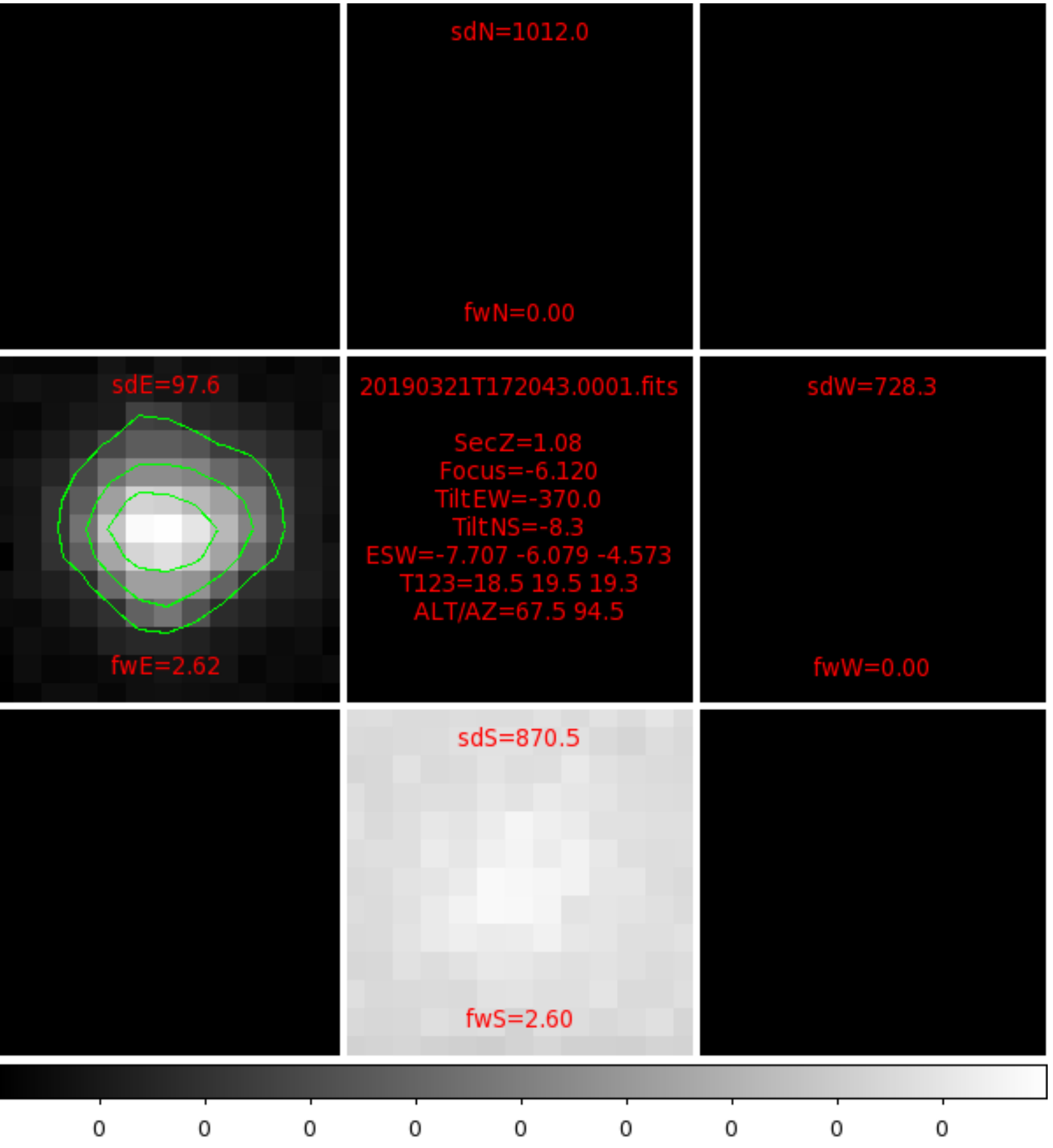
sdN=1012.0
fwN=0.00
sdE=97.6
fwE=2.62
20190321T172043.0001.fits
SecZ=1.08
Focus=-6.120
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.707 -6.079 -4.573
T123=18.5 19.5 19.3
ALT/AZ=67.5 94.5
sdW=728.3
fwW=0.00
sdS=870.5
fwS=2.60
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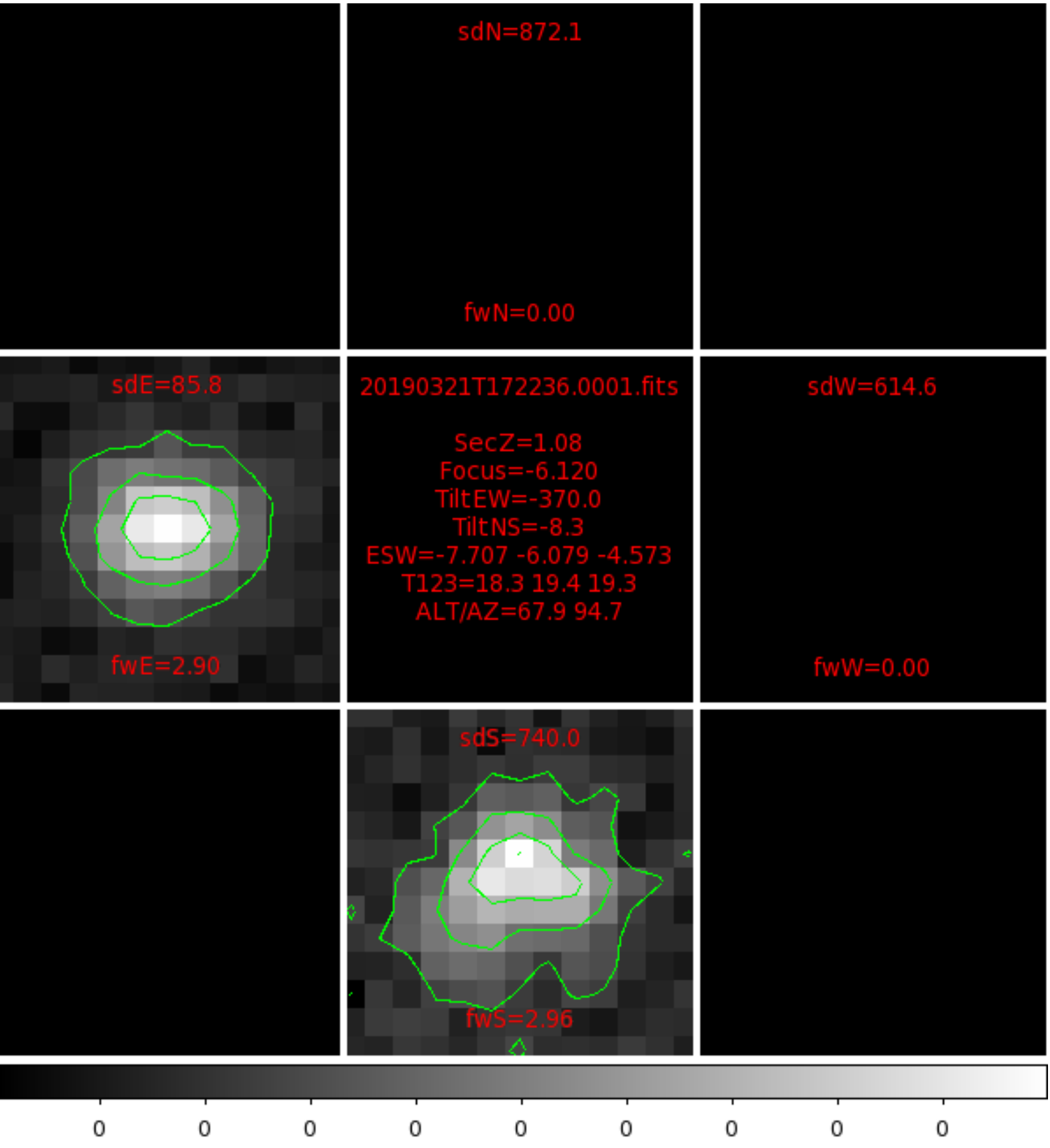
sdN=872.1
fwN=0.00
sdE=85.8
fwE=2.90
20190321T172236.0001.fits
SecZ=1.08
Focus=-6.120
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.707 -6.079 -4.573
T123=18.3 19.4 19.3
ALT/AZ=67.9 94.7
sdW=614.6
fwW=0.00
sdS=740.0
fwS=2.96
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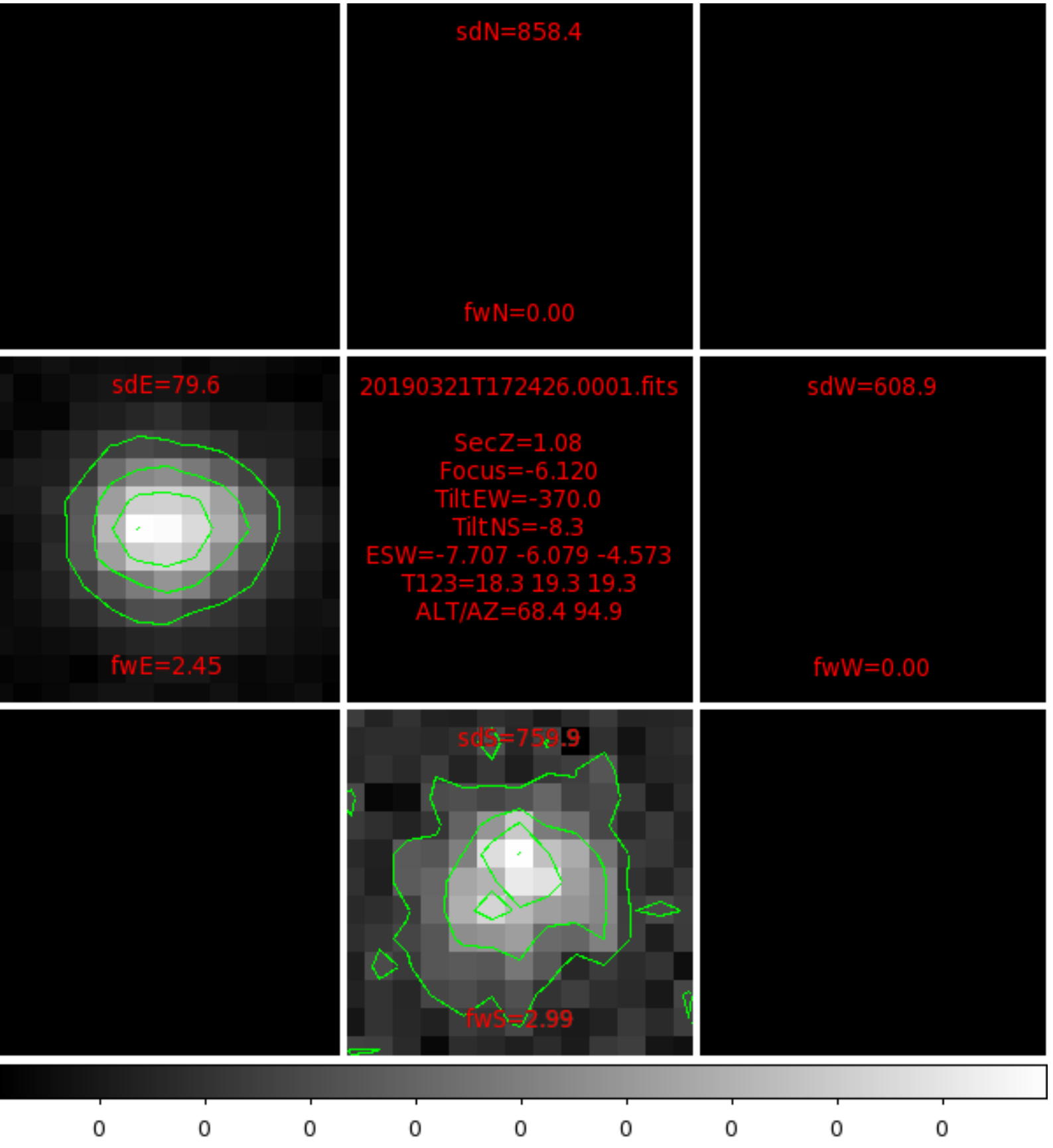
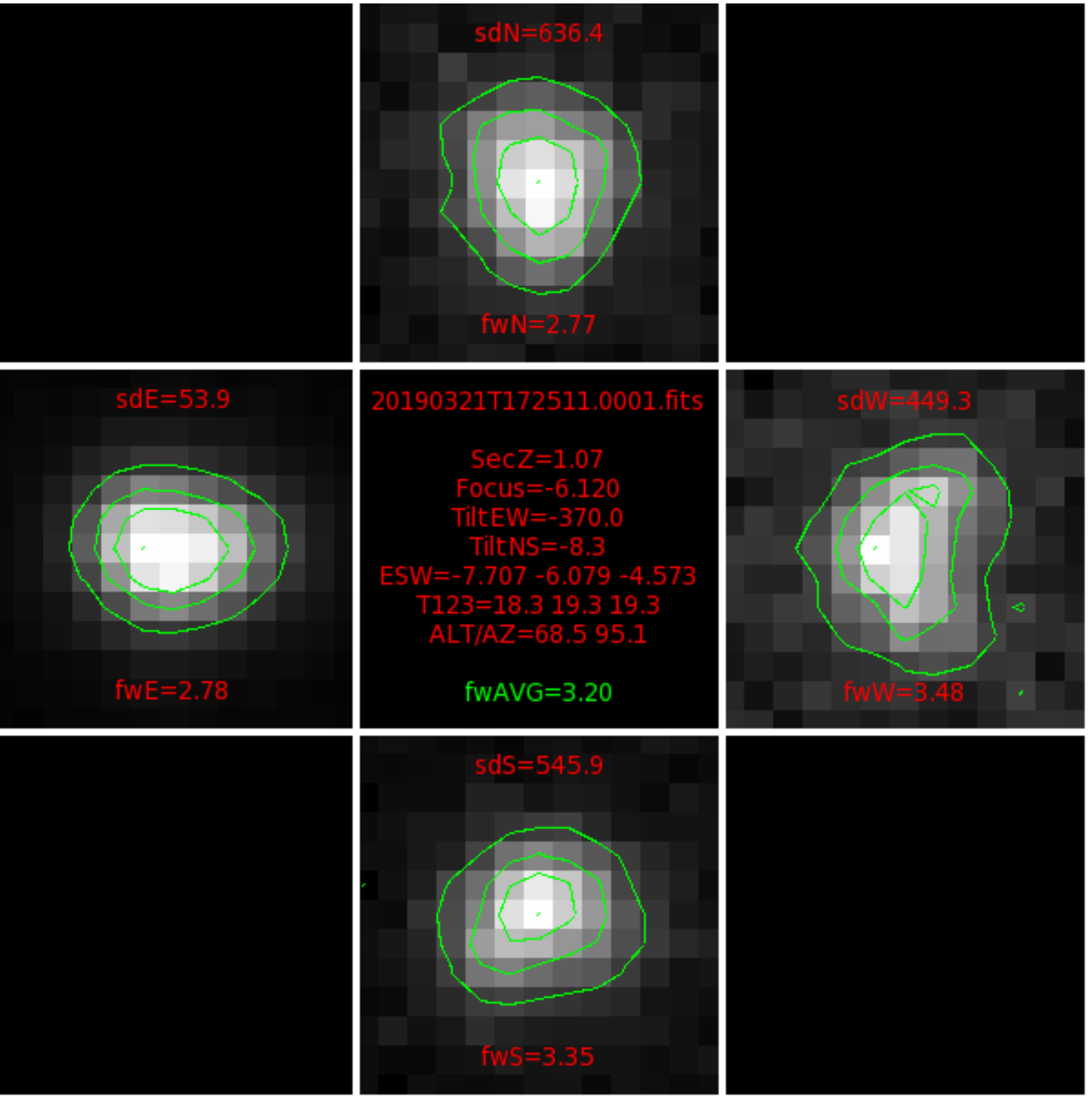
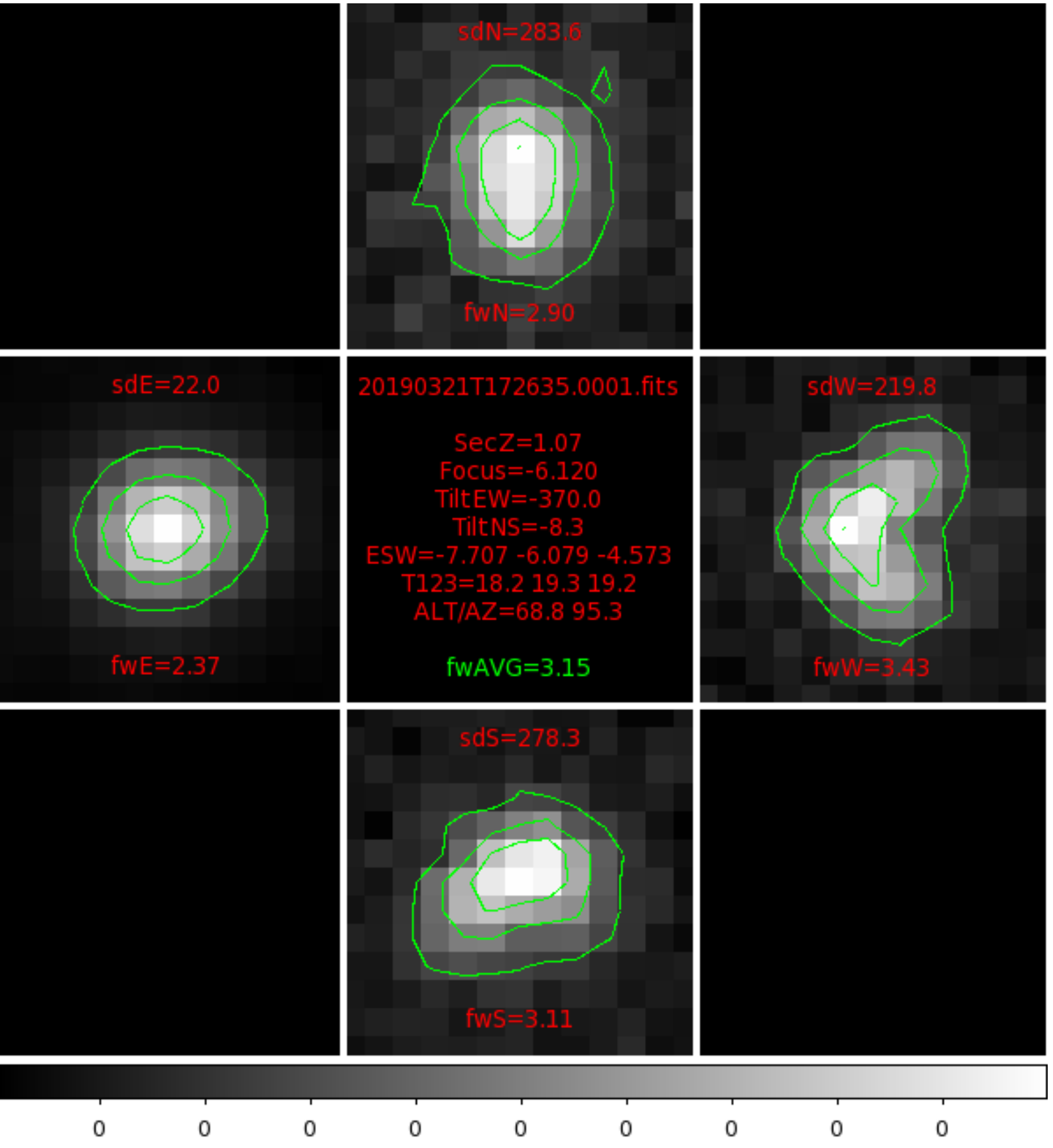

sdN=858.4
fwN=0.00
sdE=79.6
fwE=2.45
20190321T172426.0001.fits
SecZ=1.08
Focus=-6.120
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.707 -6.079 -4.573
T123=18.3 19.3 19.3
ALT/AZ=68.4 94.9
sdW=608.9
fwW=0.00
sdS=759.9
fwS=2.99
0 0 0 0 0 0 0 0 0


sdN=636.4
fwN=2.77
sdE=53.9
fwE=2.78
20190321T172511.0001.fits
SecZ=1.07
Focus=-6.120
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.707 -6.079 -4.573
T123=18.3 19.3 19.3
ALT/AZ=68.5 95.1
fwAVG=3.20
sdW=449.3
fwW=3.48
sdS=545.9
fwS=3.35
0 0 0 0 0 0 0 0 0


sdN=283.6
fwN=2.90
sdE=22.0
fwE=2.37
20190321T172635.0001.fits
SecZ=1.07
Focus=-6.120
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.707 -6.079 -4.573
T123=18.2 19.3 19.2
ALT/AZ=68.8 95.3
fwAVG=3.15
sdW=219.8
fwW=3.43
sdS=278.3
fwS=3.11
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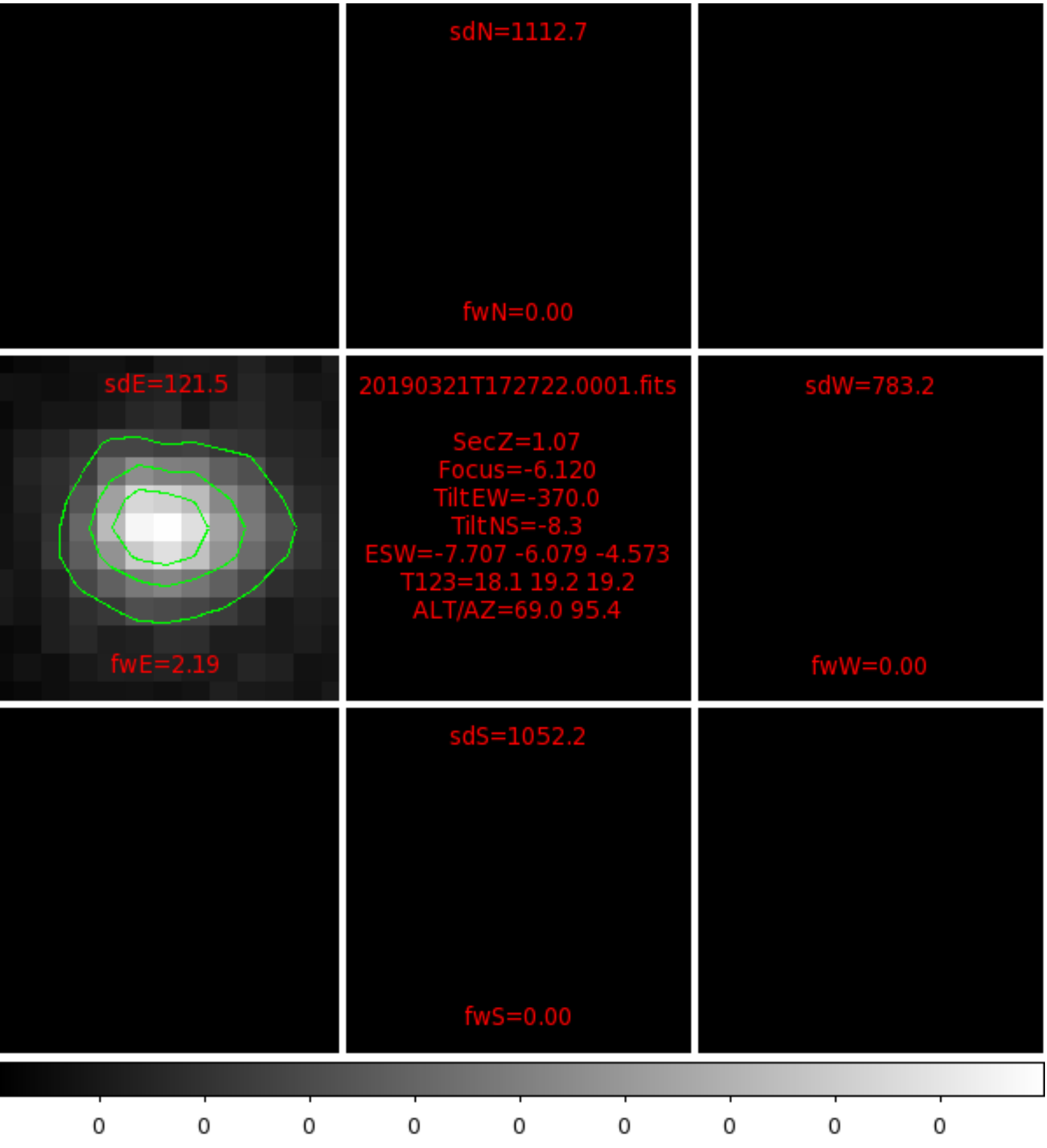
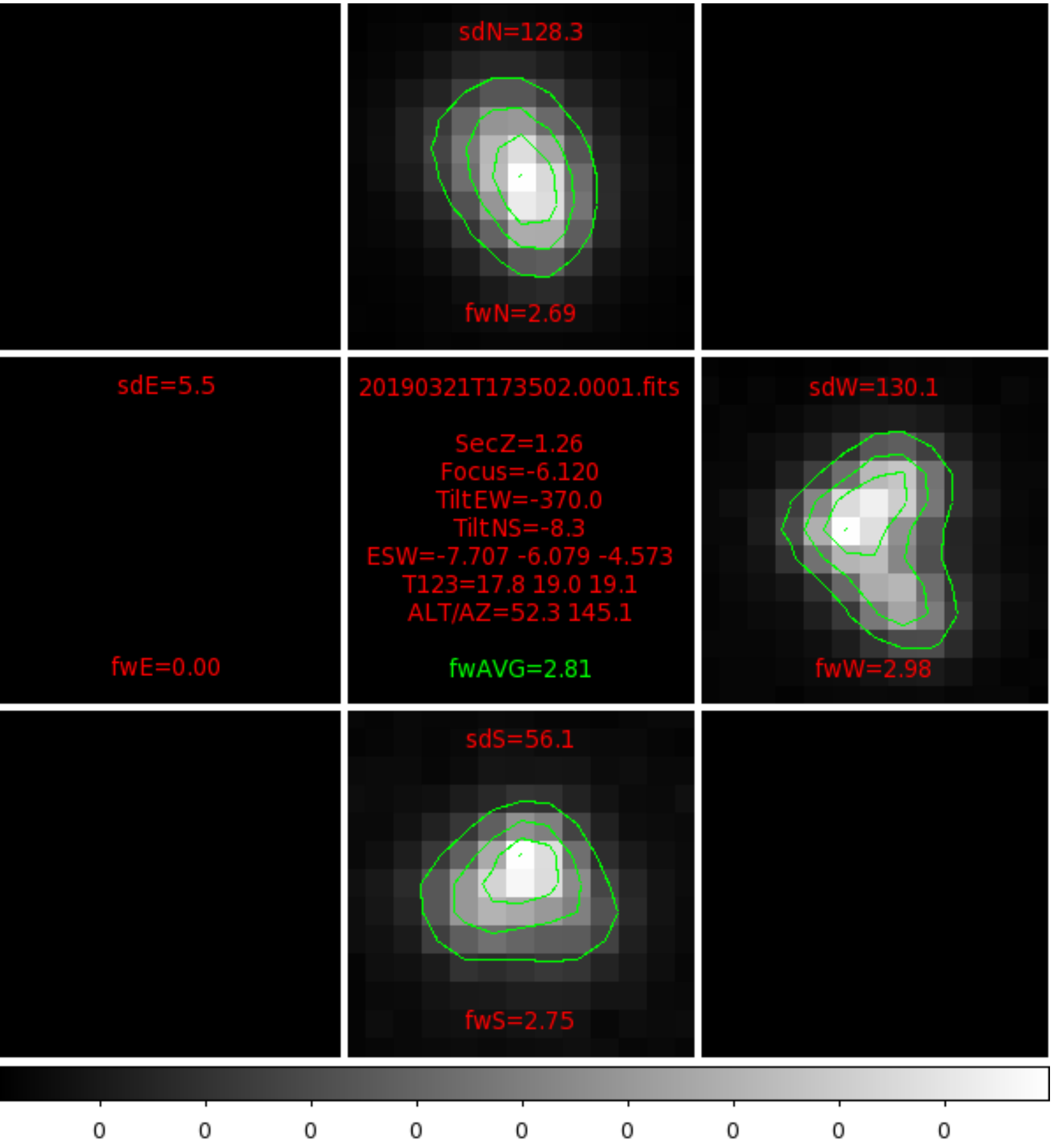

sdN=1112.7
fwN=0.00
sdE=121.5
fwE=2.19
20190321T172722.0001.fits
SecZ=1.07
Focus=-6.120
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.707 -6.079 -4.573
T123=18.1 19.2 19.2
ALT/AZ=69.0 95.4
sdW=783.2
fwW=0.00
sdS=1052.2
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=128.3
fwN=2.69
sdE=5.5
fwE=0.00
20190321T173502.0001.fits
SecZ=1.26
Focus=-6.120
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.707 -6.079 -4.573
T123=17.8 19.0 19.1
ALT/AZ=52.3 145.1
fwAVG=2.81
sdW=130.1
fwW=2.98
sdS=56.1
fwS=2.75
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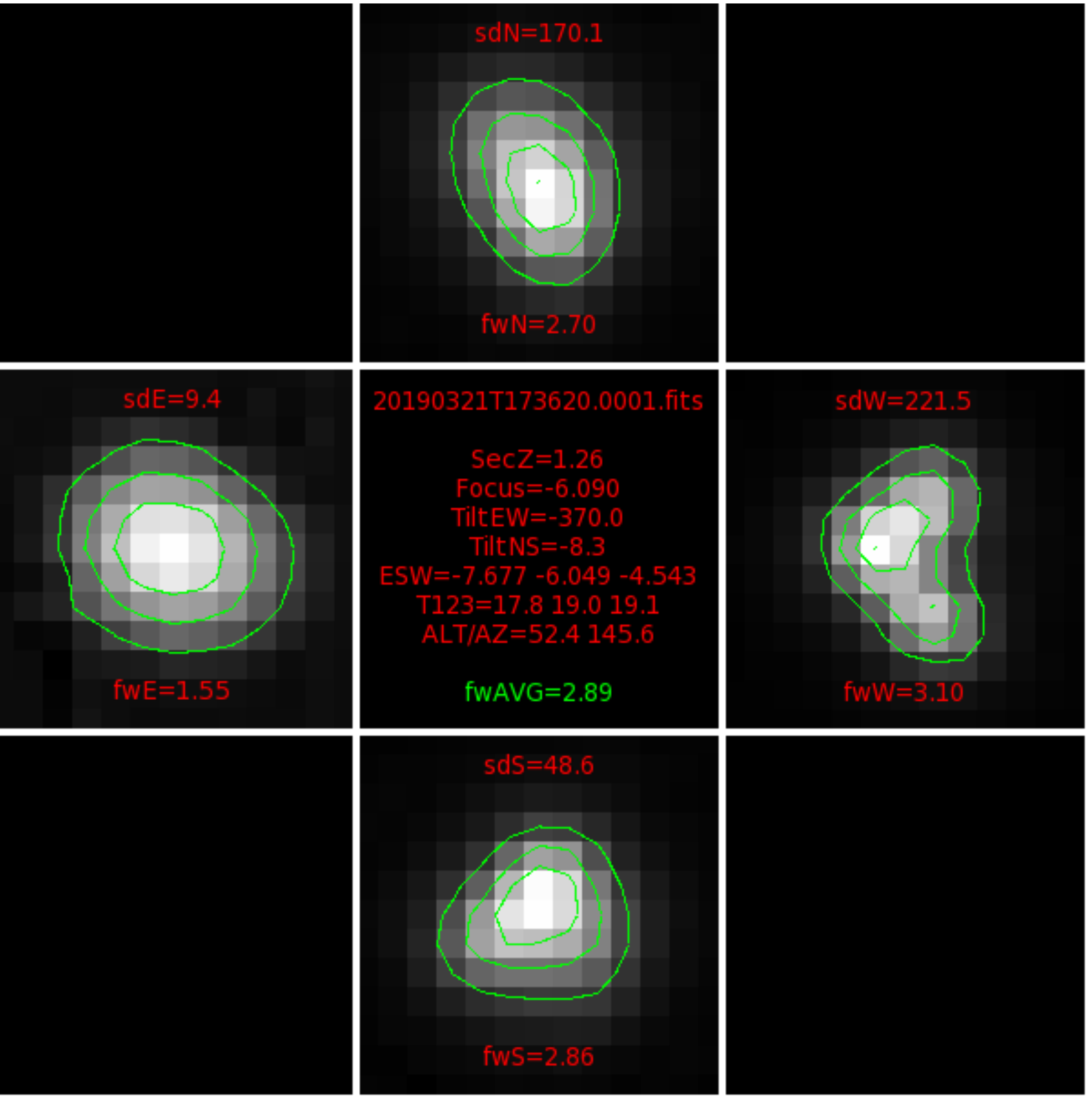
sdN=170.1
fwN=2.70
sdE=9.4
fwE=1.55
20190321T173620.0001.fits
SecZ=1.26
Focus=-6.090
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.677 -6.049 -4.543
T123=17.8 19.0 19.1
ALT/AZ=52.4 145.6
fwAVG=2.89
sdW=221.5
fwW=3.10
sdS=48.6
fwS=2.86
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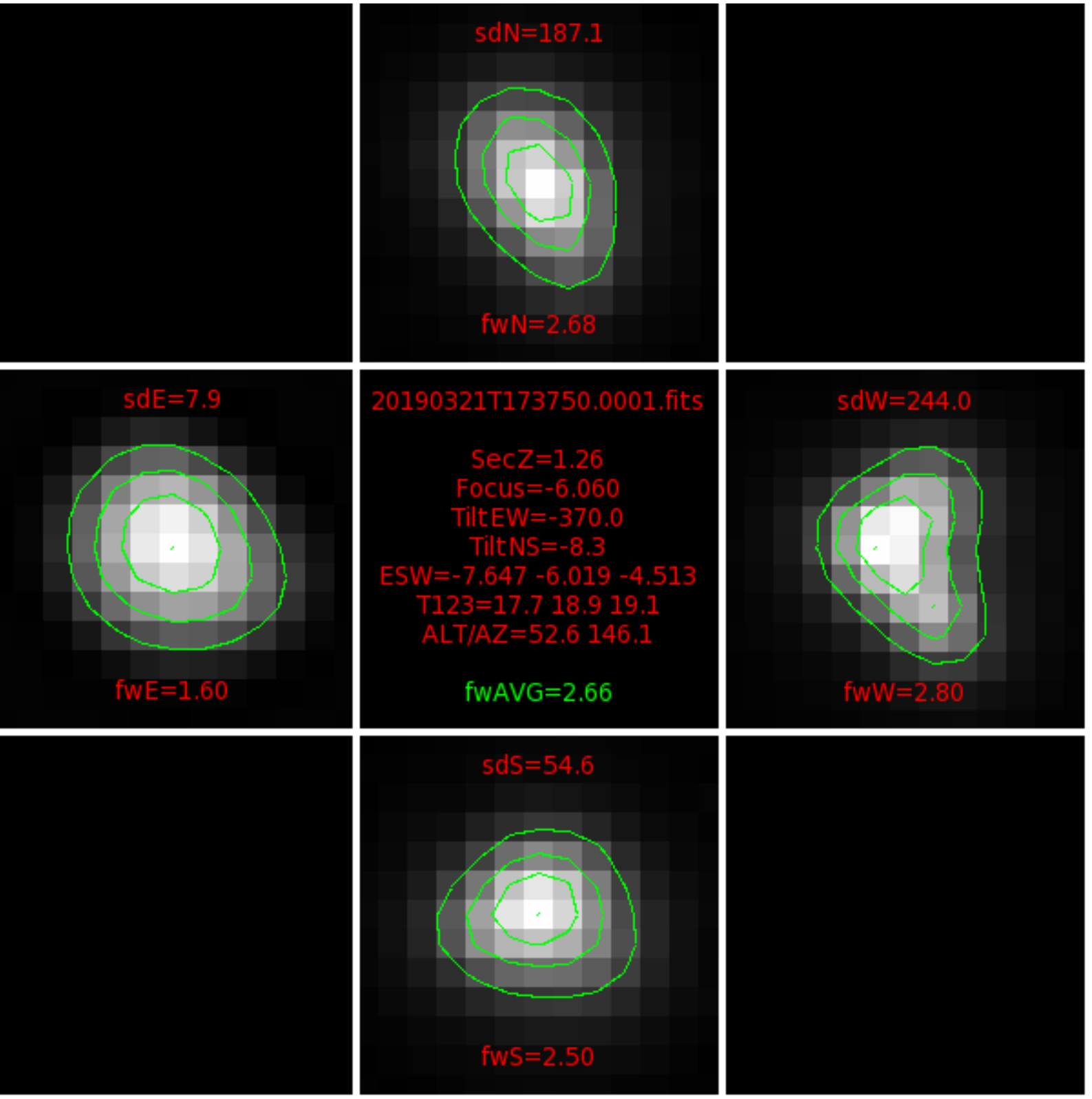
sdN=187.1
fwN=2.68
sdE=7.9
fwE=1.60
20190321T173750.0001.fits
SecZ=1.26
Focus=-6.060
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.647 -6.019 -4.513
T123=17.7 18.9 19.1
ALT/AZ=52.6 146.1
fwAVG=2.66
sdW=244.0
fwW=2.80
sdS=54.6
fwS=2.50
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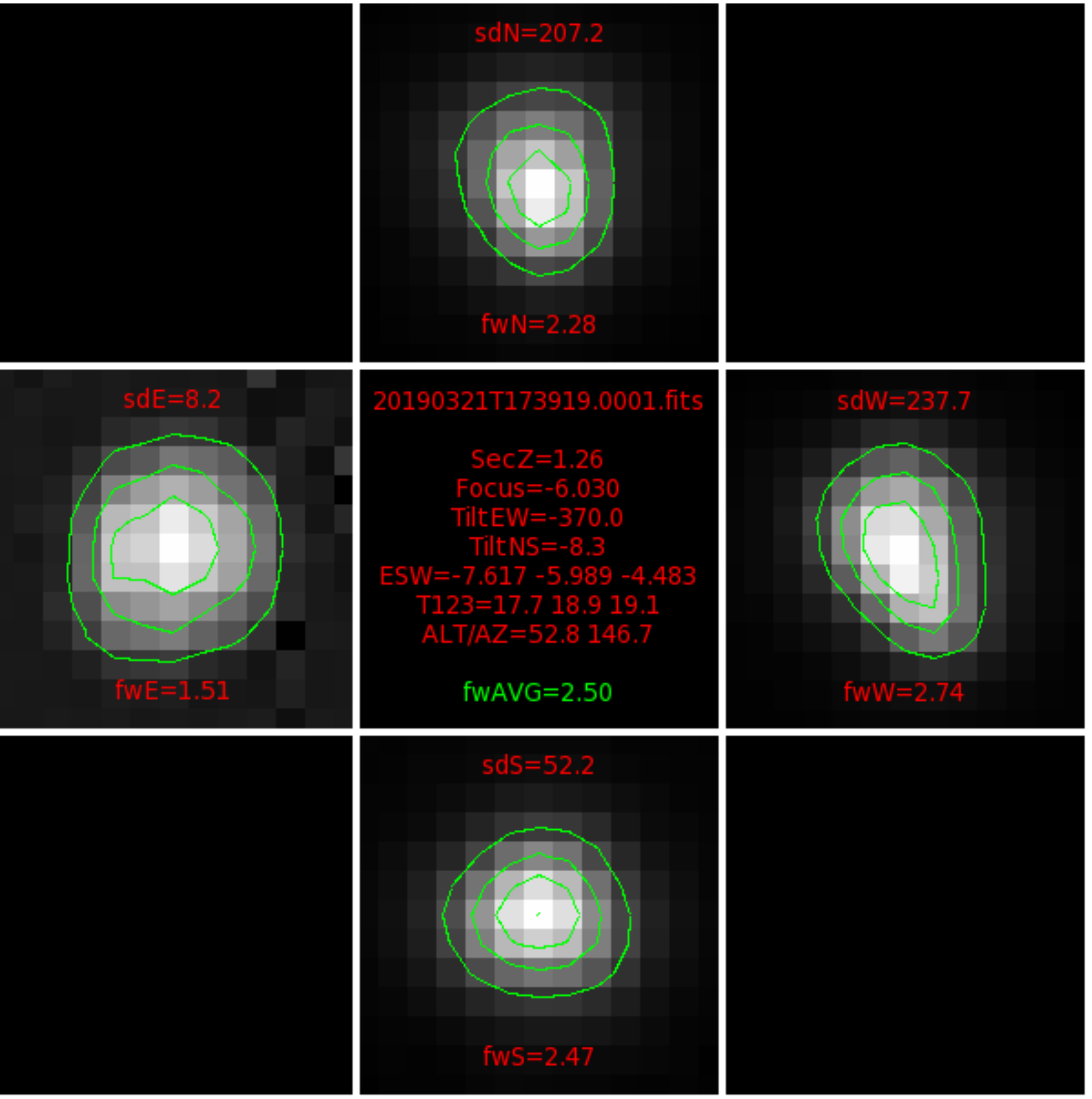
sdN=207.2
fwN=2.28
sdE=8.2
fwE=1.51
20190321T173919.0001.fits
SecZ=1.26
Focus=-6.030
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.617 -5.989 -4.483
T123=17.7 18.9 19.1
ALT/AZ=52.8 146.7
fwAVG=2.50
sdW=237.7
fwW=2.74
sdS=52.2
fwS=2.47
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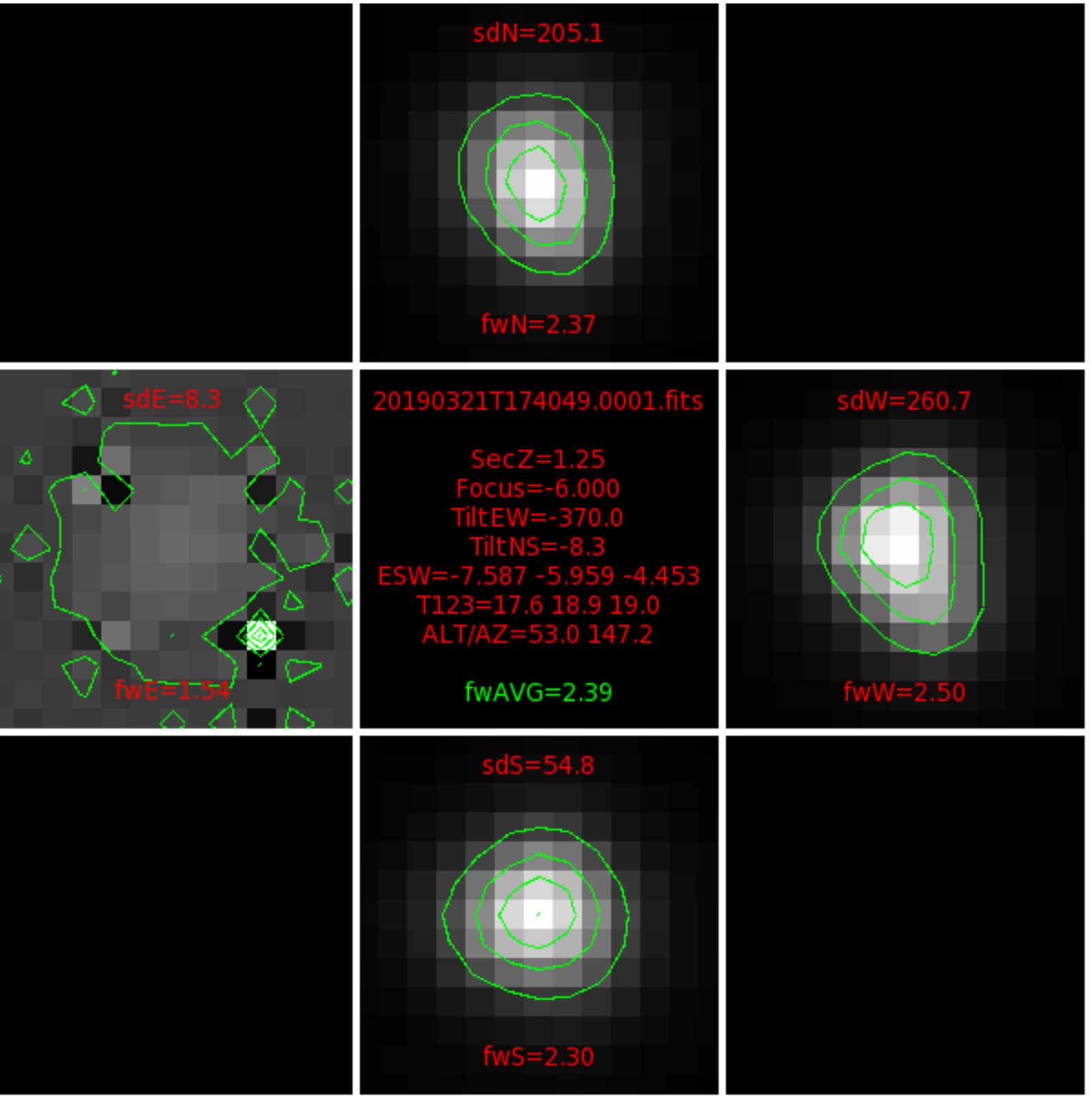
sdN=205.1
fwN=2.37
sdE=8.3
fwE=1.54
20190321T174049.0001.fits
SecZ=1.25
Focus=-6.000
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.587 -5.959 -4.453
T123=17.6 18.9 19.0
ALT/AZ=53.0 147.2
fwAVG=2.39
sdW=260.7
fwW=2.50
sdS=54.8
fwS=2.30
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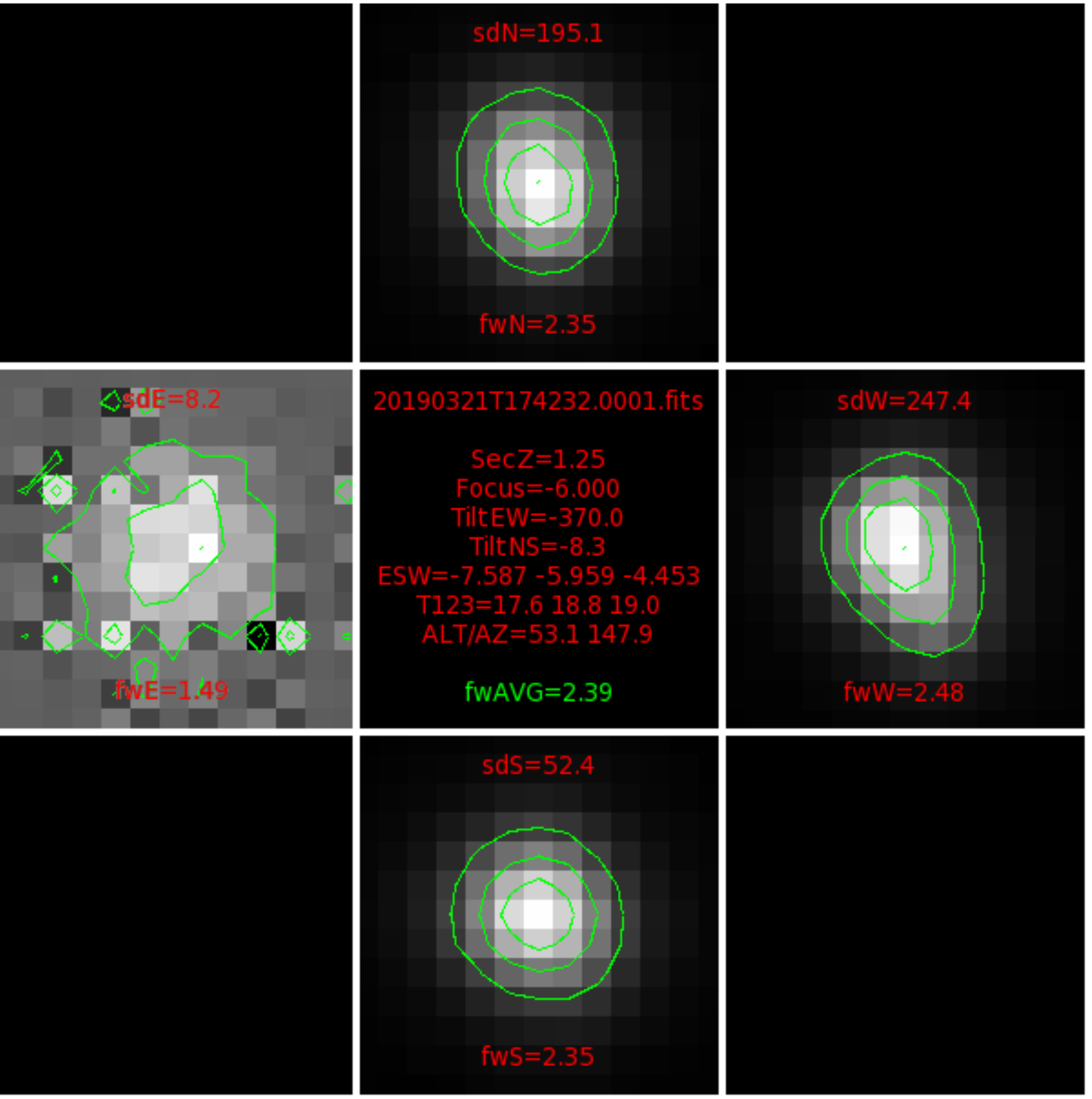
sdN=195.1
fwN=2.35
sdE=8.2
fwE=1.49
20190321T174232.0001.fits
SecZ=1.25
Focus=-6.000
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.587 -5.959 -4.453
T123=17.6 18.8 19.0
ALT/AZ=53.1 147.9
fwAVG=2.39
sdW=247.4
fwW=2.48
sdS=52.4
fwS=2.35
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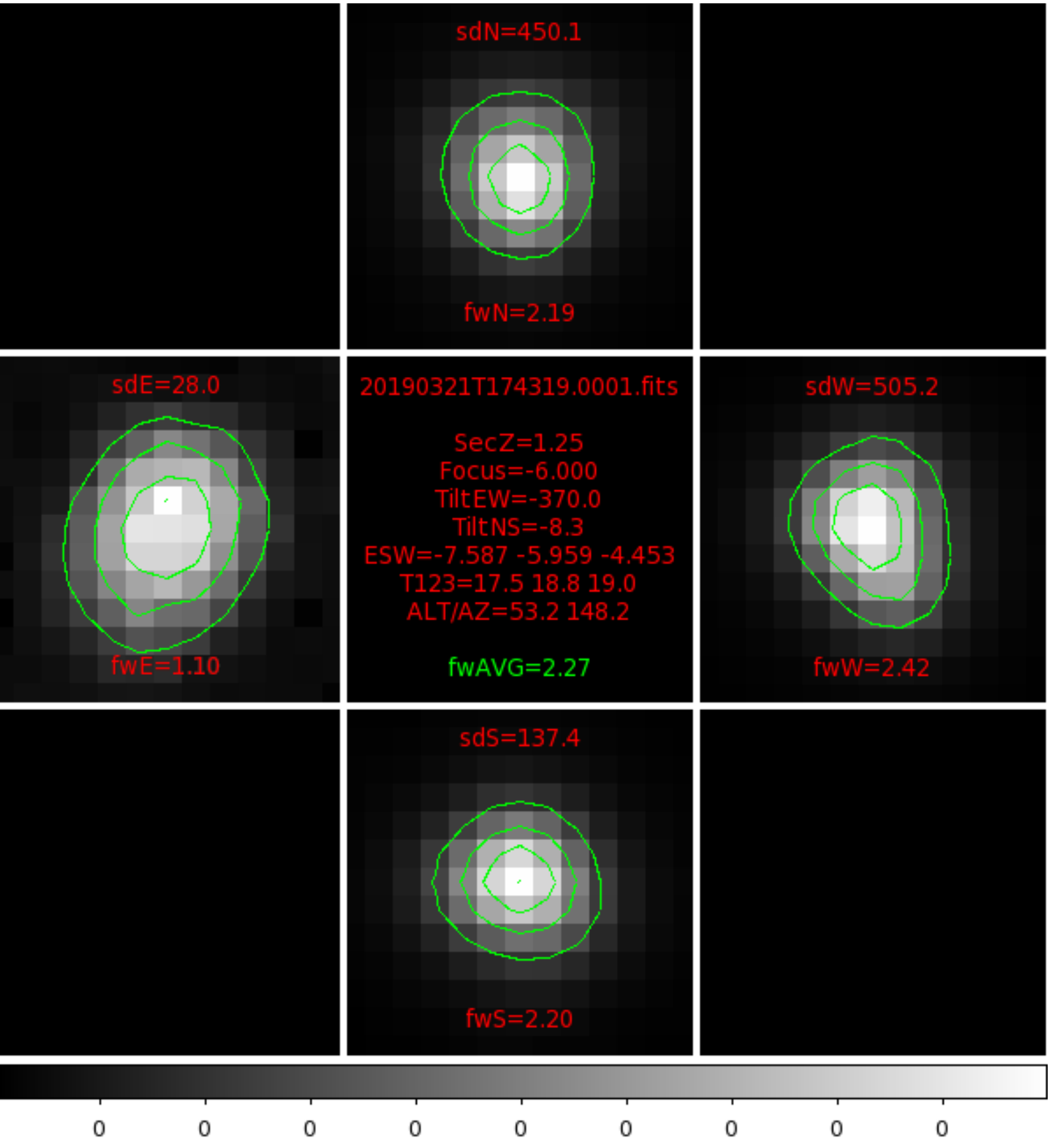
sdN=450.1
fwN=2.19
sdE=28.0
fwE=1.10
20190321T174319.0001.fits
SecZ=1.25
Focus=-6.000
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.587 -5.959 -4.453
T123=17.5 18.8 19.0
ALT/AZ=53.2 148.2
fwAVG=2.27
sdW=505.2
fwW=2.42
sdS=137.4
fwS=2.20
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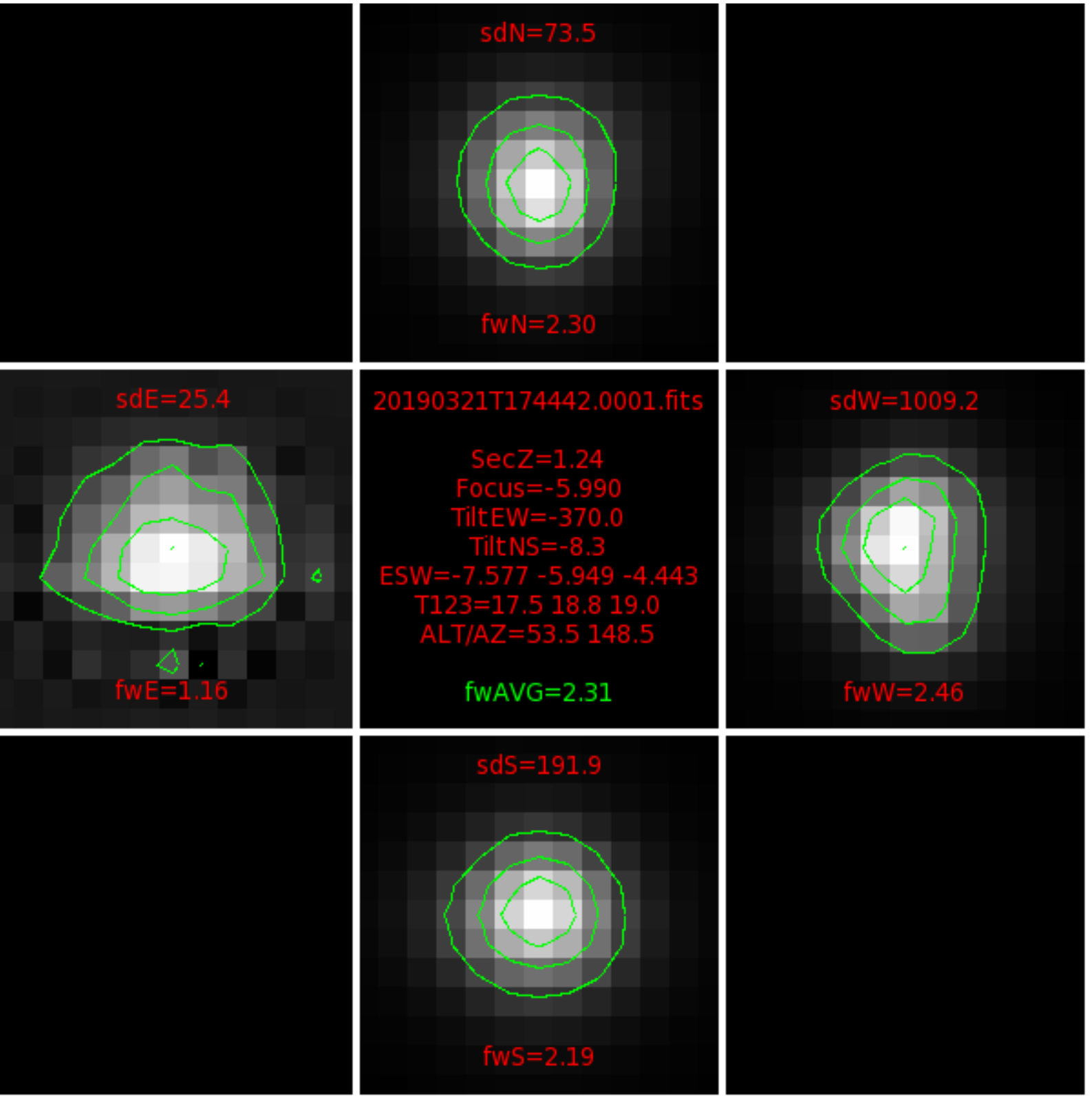
sdN=73.5
fwN=2.30
sdE=25.4
fwE=1.16
20190321T174442.0001.fits
SecZ=1.24
Focus=-5.990
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.577 -5.949 -4.443
T123=17.5 18.8 19.0
ALT/AZ=53.5 148.5
fwAVG=2.31
sdW=1009.2
fwW=2.46
sdS=191.9
fwS=2.19
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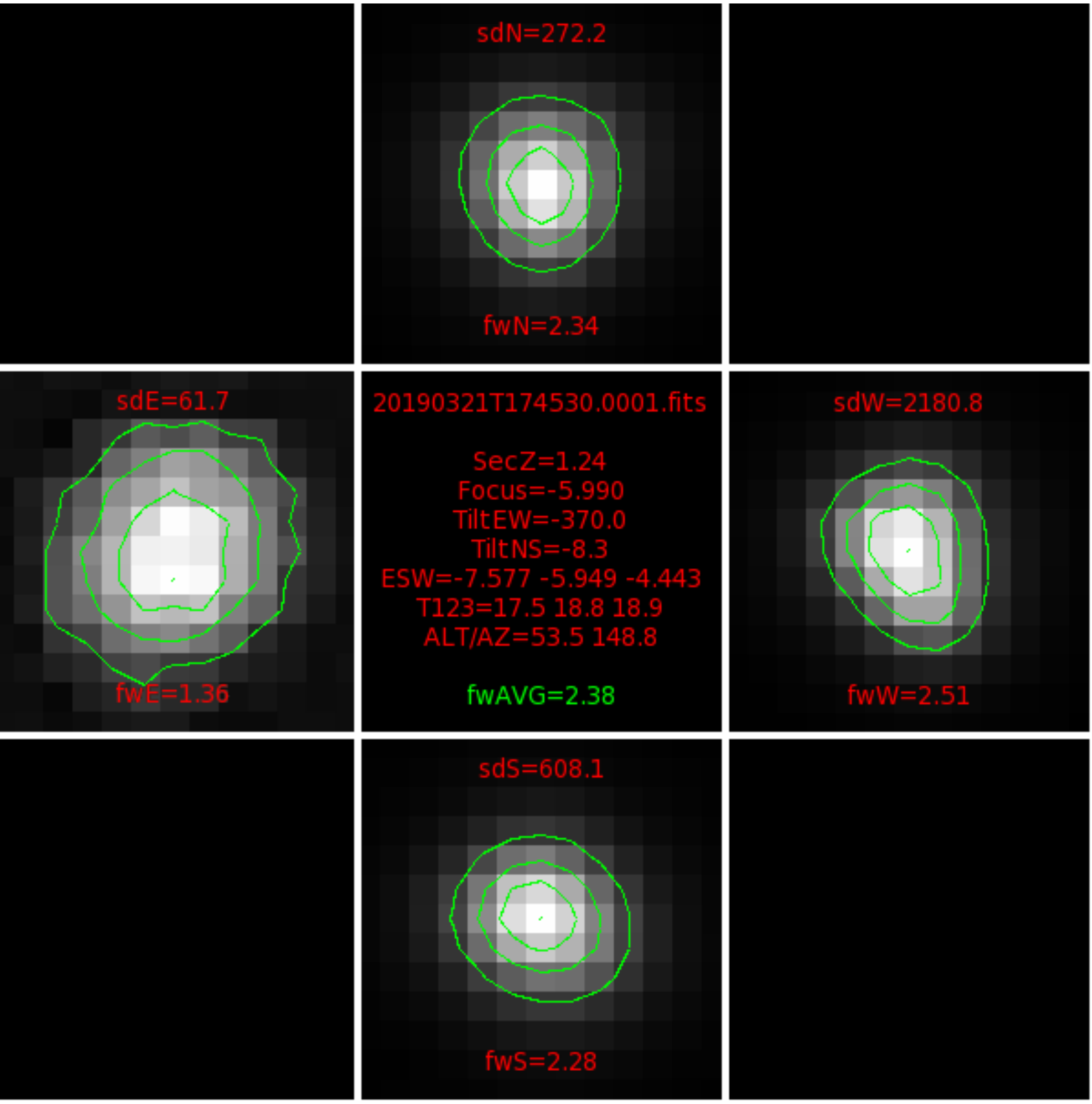
sdN=272.2
fwN=2.34
sdE=61.7
fwE=1.36
20190321T174530.0001.fits
SecZ=1.24
Focus=-5.990
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.577 -5.949 -4.443
T123=17.5 18.8 18.9
ALT/AZ=53.5 148.8
fwAVG=2.38
sdW=2180.8
fwW=2.51
sdS=608.1
fwS=2.28
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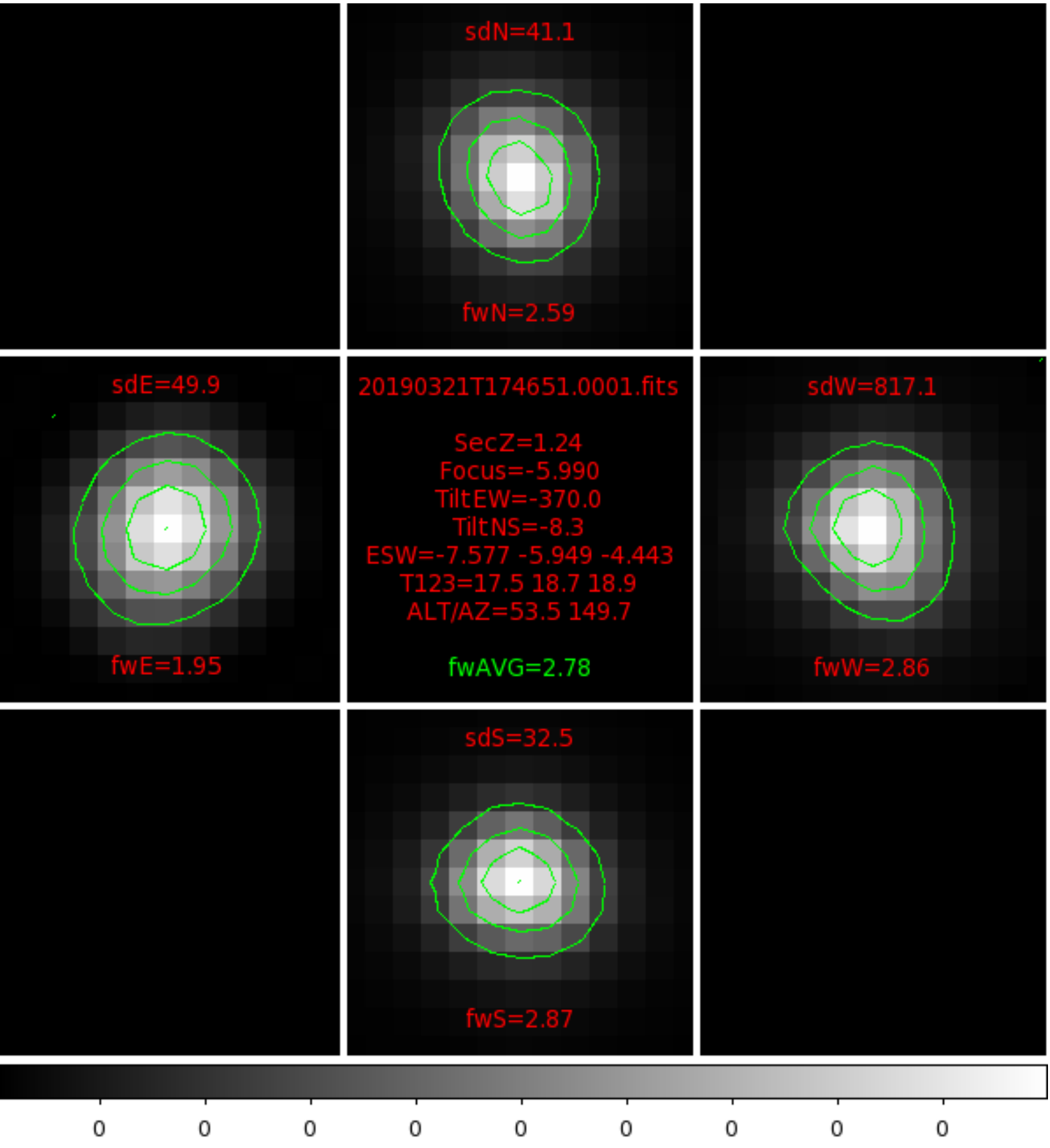
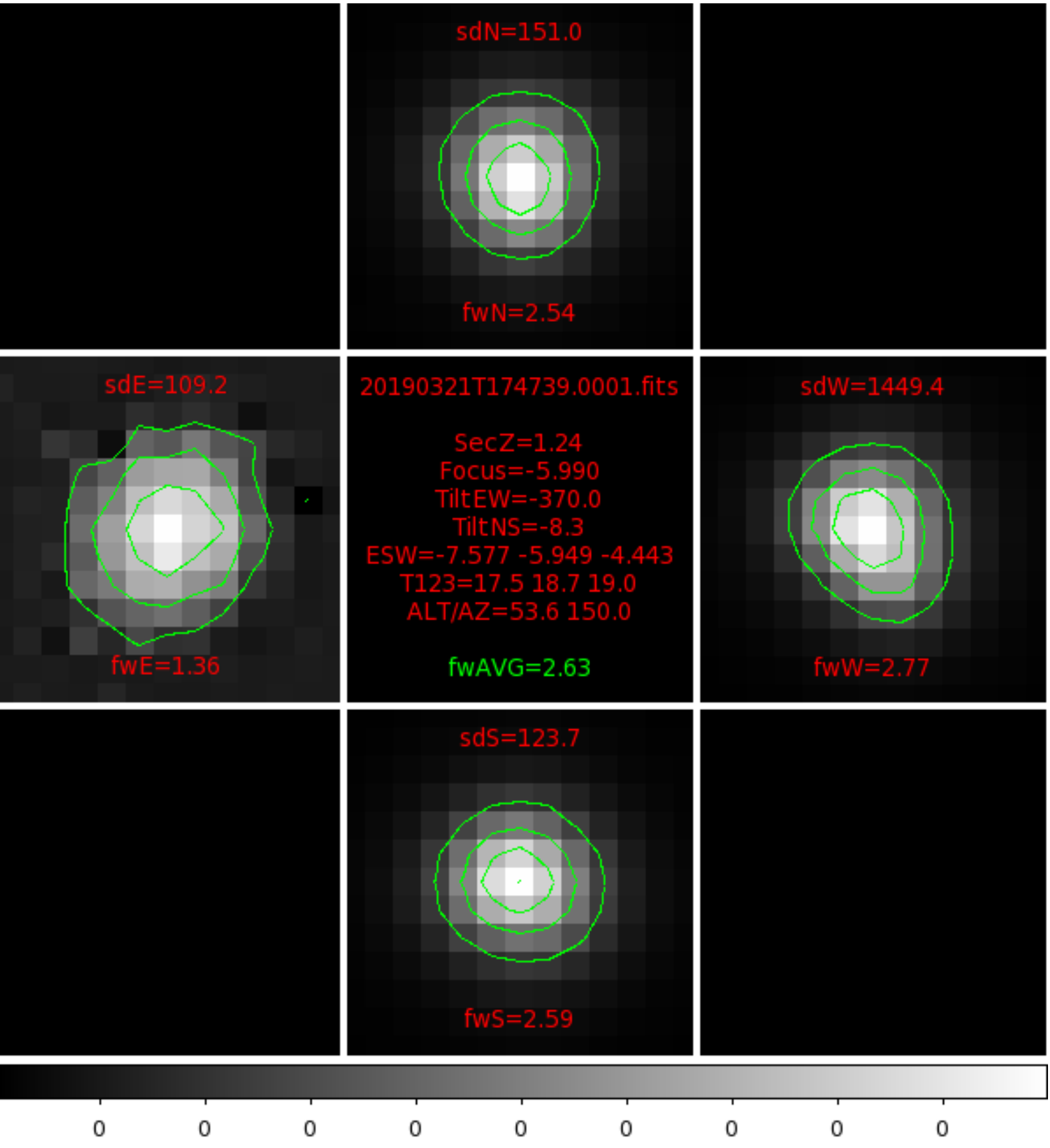

sdN=41.1
fwN=2.59
sdE=49.9
fwE=1.95
20190321T174651.0001.fits
SecZ=1.24
Focus=-5.990
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.577 -5.949 -4.443
T123=17.5 18.7 18.9
ALT/AZ=53.5 149.7
fwAVG=2.78
sdW=817.1
fwW=2.86
sdS=32.5
fwS=2.87
0 0 0 0 0 0 0 0 0


sdN=151.0
fwN=2.54
sdE=109.2
fwE=1.36
20190321T174739.0001.fits
SecZ=1.24
Focus=-5.990
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.577 -5.949 -4.443
T123=17.5 18.7 19.0
ALT/AZ=53.6 150.0
fwAVG=2.63
sdW=1449.4
fwW=2.77
sdS=123.7
fwS=2.59
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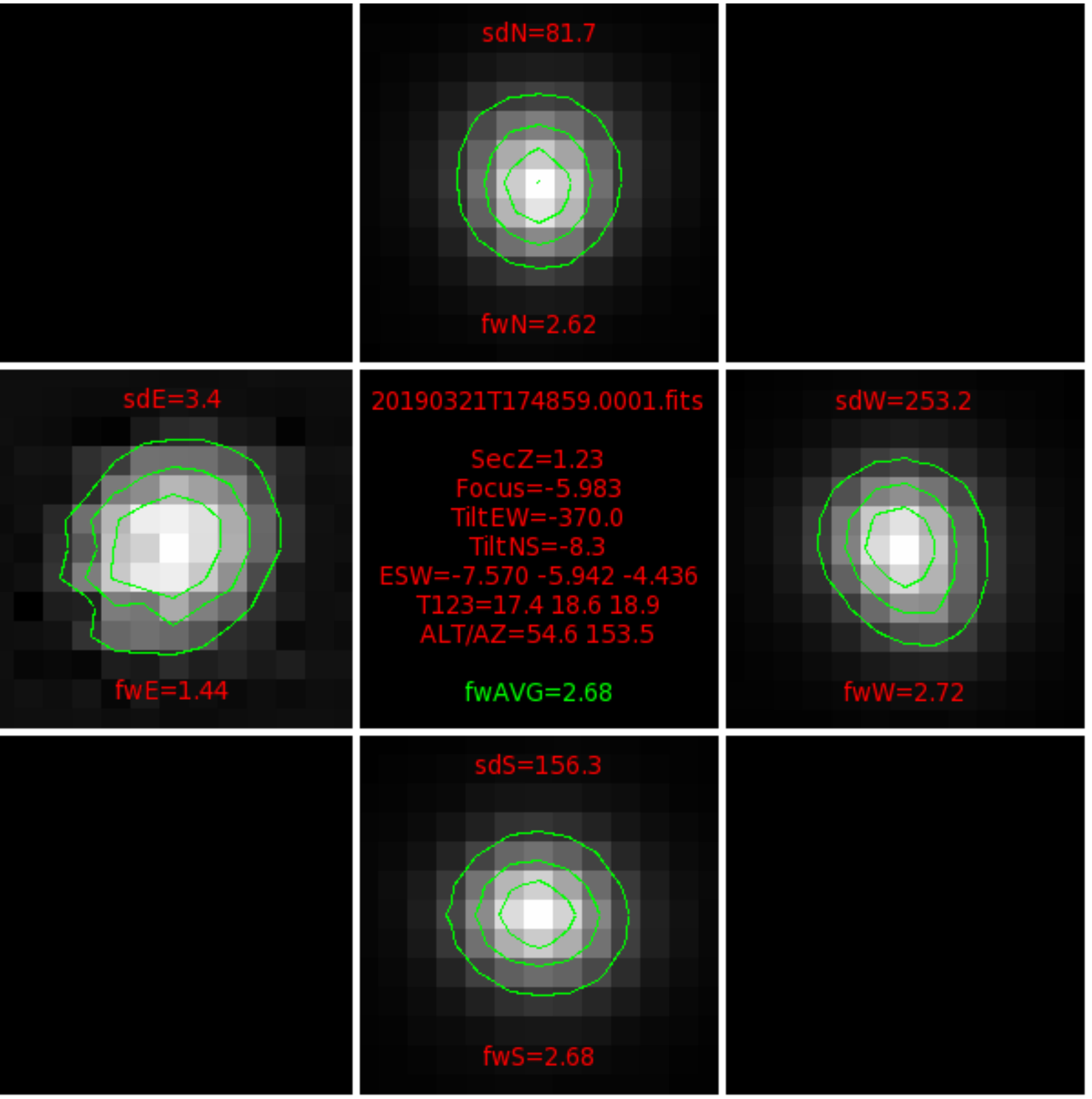
sdN=81.7
fwN=2.62
sdE=3.4
fwE=1.44
20190321T174859.0001.fits
SecZ=1.23
Focus=-5.983
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.570 -5.942 -4.436
T123=17.4 18.6 18.9
ALT/AZ=54.6 153.5
fwAVG=2.68
sdW=253.2
fwW=2.72
sdS=156.3
fwS=2.68
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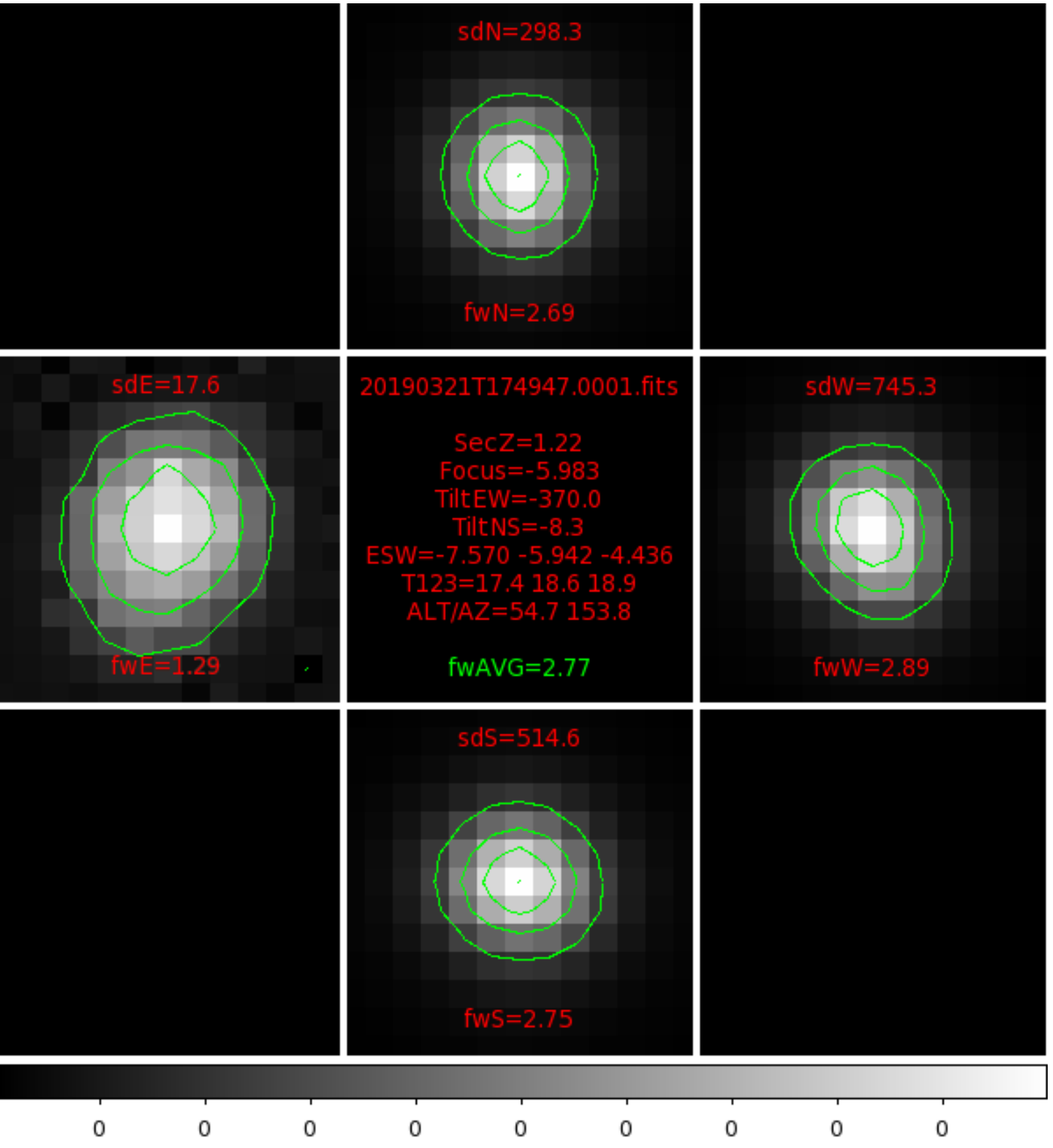
sdN=298.3
fwN=2.69
sdE=17.6
fwE=1.29
20190321T174947.0001.fits
SecZ=1.22
Focus=-5.983
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.570 -5.942 -4.436
T123=17.4 18.6 18.9
ALT/AZ=54.7 153.8
fwAVG=2.77
sdW=745.3
fwW=2.89
sdS=514.6
fwS=2.75
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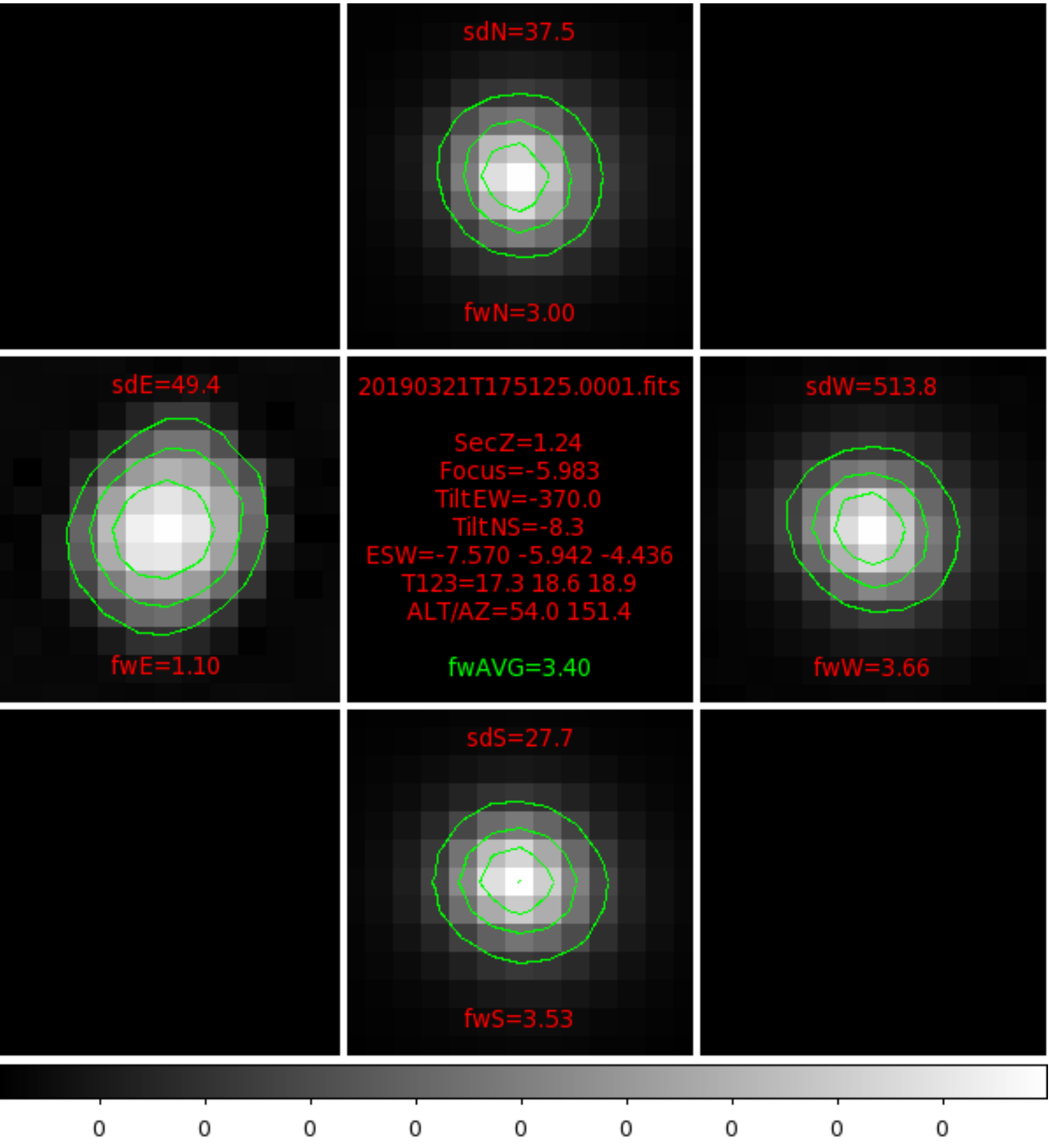
sdN=37.5
fwN=3.00
sdE=49.4
fwE=1.10
20190321T175125.0001.fits
SecZ=1.24
Focus=-5.983
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.570 -5.942 -4.436
T123=17.3 18.6 18.9
ALT/AZ=54.0 151.4
fwAVG=3.40
sdW=513.8
fwW=3.66
sdS=27.7
fwS=3.53
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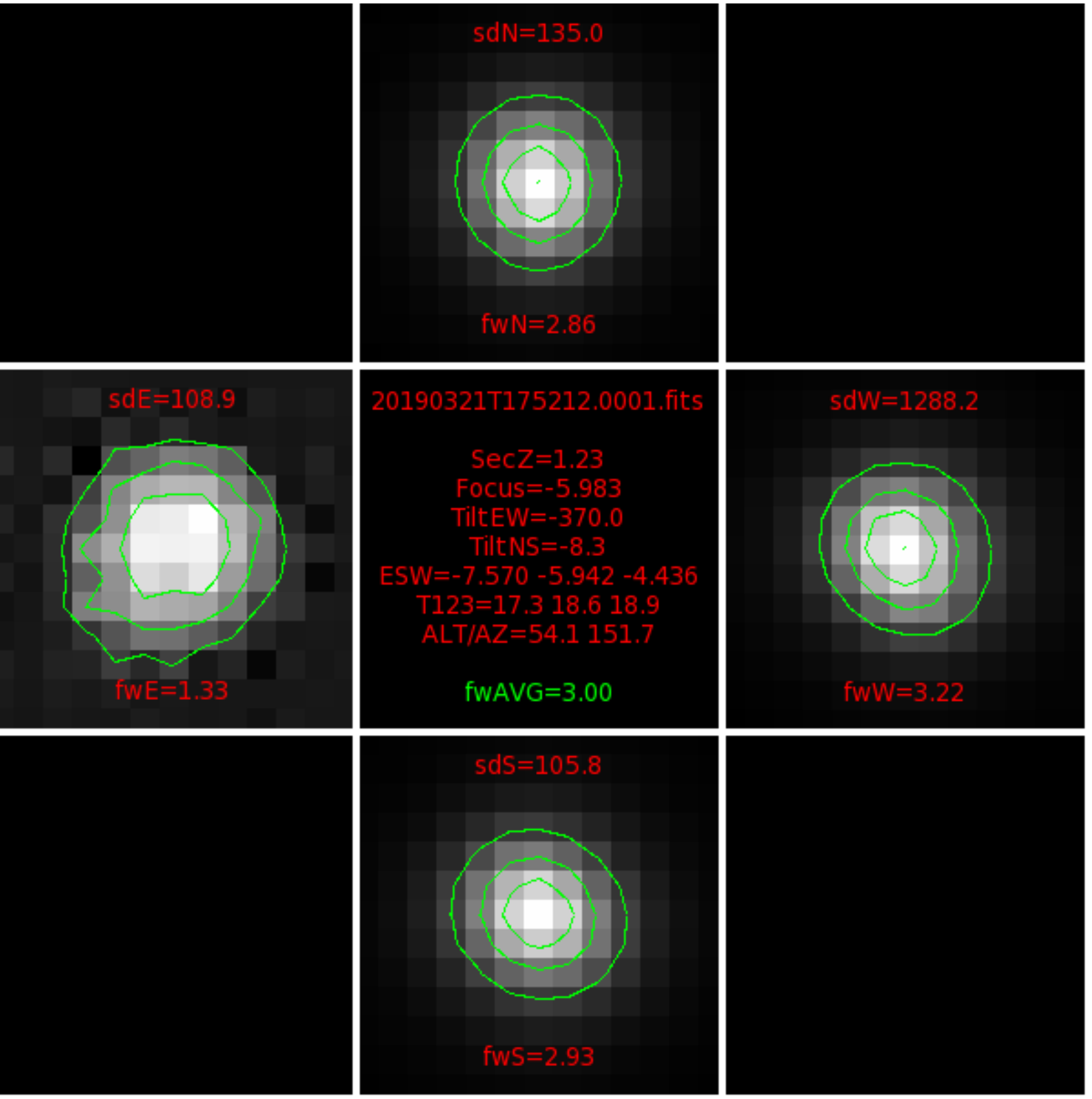
sdN=135.0
fwN=2.86
sdE=108.9
fwE=1.33
20190321T175212.0001.fits
SecZ=1.23
Focus=-5.983
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.570 -5.942 -4.436
T123=17.3 18.6 18.9
ALT/AZ=54.1 151.7
fwAVG=3.00
sdW=1288.2
fwW=3.22
sdS=105.8
fwS=2.93
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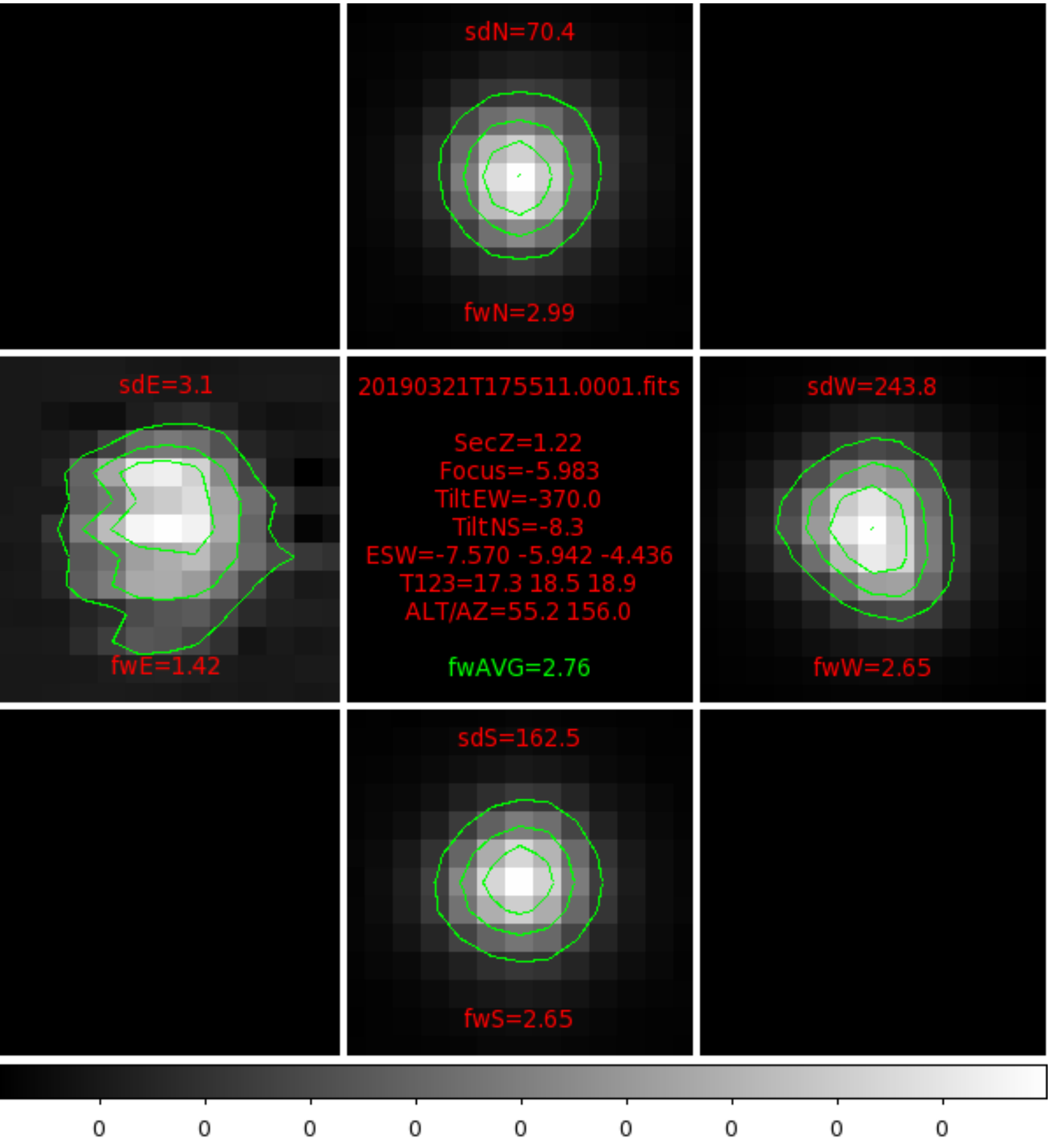
sdN=70.4
fwN=2.99
sdE=3.1
fwE=1.42
20190321T175511.0001.fits
SecZ=1.22
Focus=-5.983
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.570 -5.942 -4.436
T123=17.3 18.5 18.9
ALT/AZ=55.2 156.0
fwAVG=2.76
sdW=243.8
fwW=2.65
sdS=162.5
fwS=2.65
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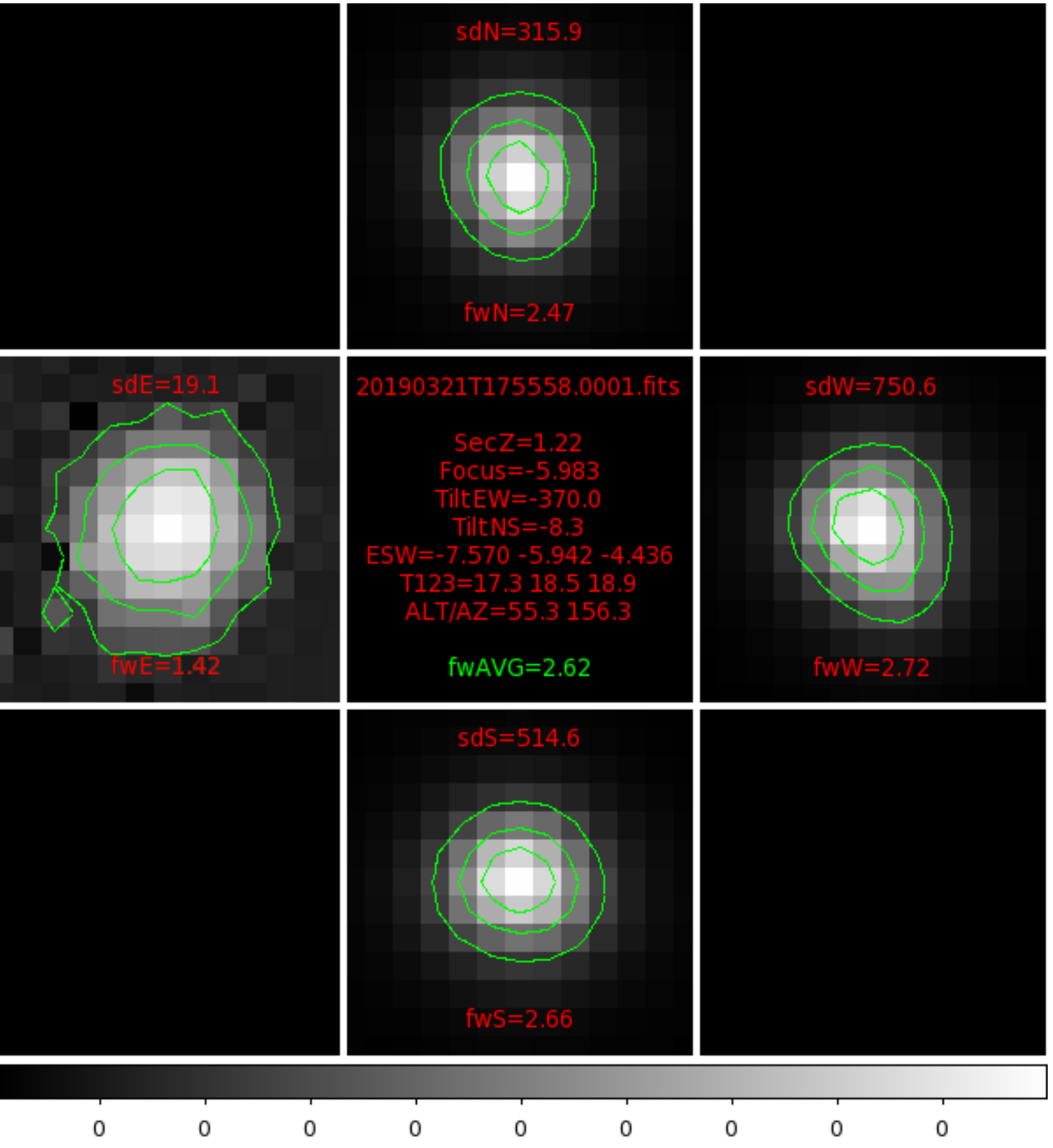
sdN=315.9
fwN=2.47
sdE=19.1
fwE=1.42
20190321T175558.0001.fits
SecZ=1.22
Focus=-5.983
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.570 -5.942 -4.436
T123=17.3 18.5 18.9
ALT/AZ=55.3 156.3
fwAVG=2.62
sdW=750.6
fwW=2.72
sdS=514.6
fwS=2.66
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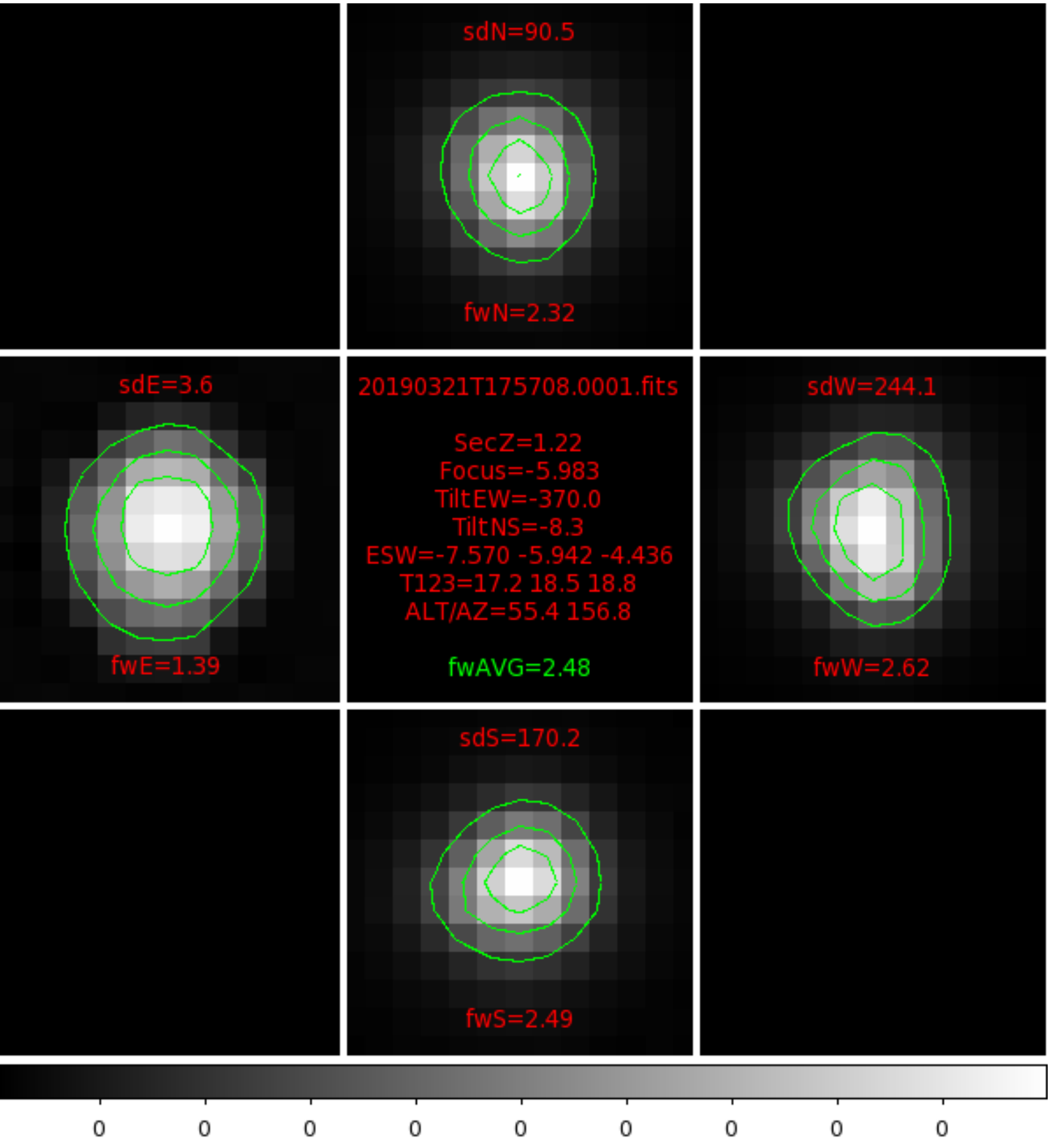
sdN=90.5
fwN=2.32
sdE=3.6
fwE=1.39
20190321T175708.0001.fits
SecZ=1.22
Focus=-5.983
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.570 -5.942 -4.436
T123=17.2 18.5 18.8
ALT/AZ=55.4 156.8
fwAVG=2.48
sdW=244.1
fwW=2.62
sdS=170.2
fwS=2.49
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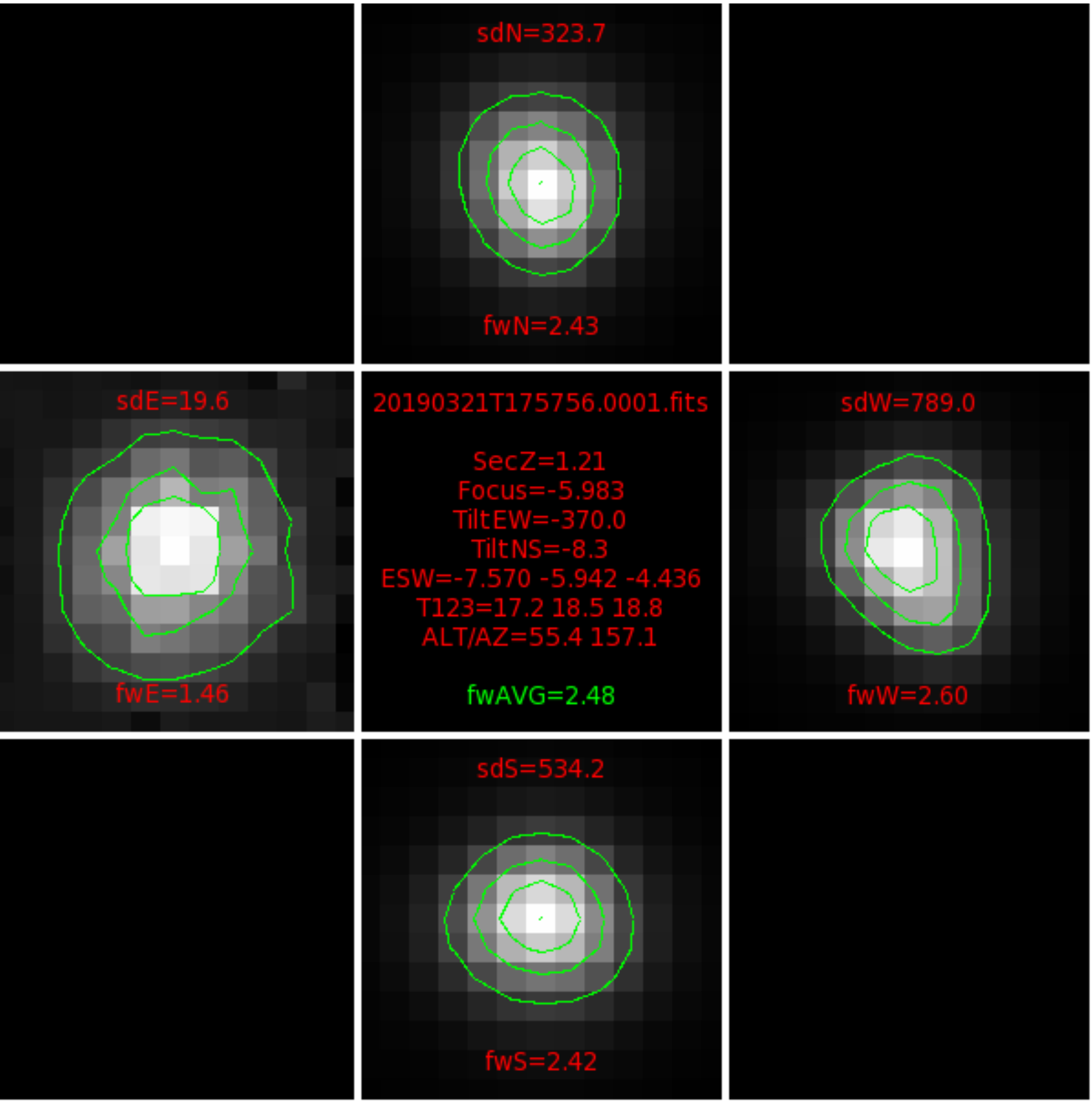
sdN=323.7
fwN=2.43
sdE=19.6
fwE=1.46
20190321T175756.0001.fits
SecZ=1.21
Focus=-5.983
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.570 -5.942 -4.436
T123=17.2 18.5 18.8
ALT/AZ=55.4 157.1
fwAVG=2.48
sdW=789.0
fwW=2.60
sdS=534.2
fwS=2.42
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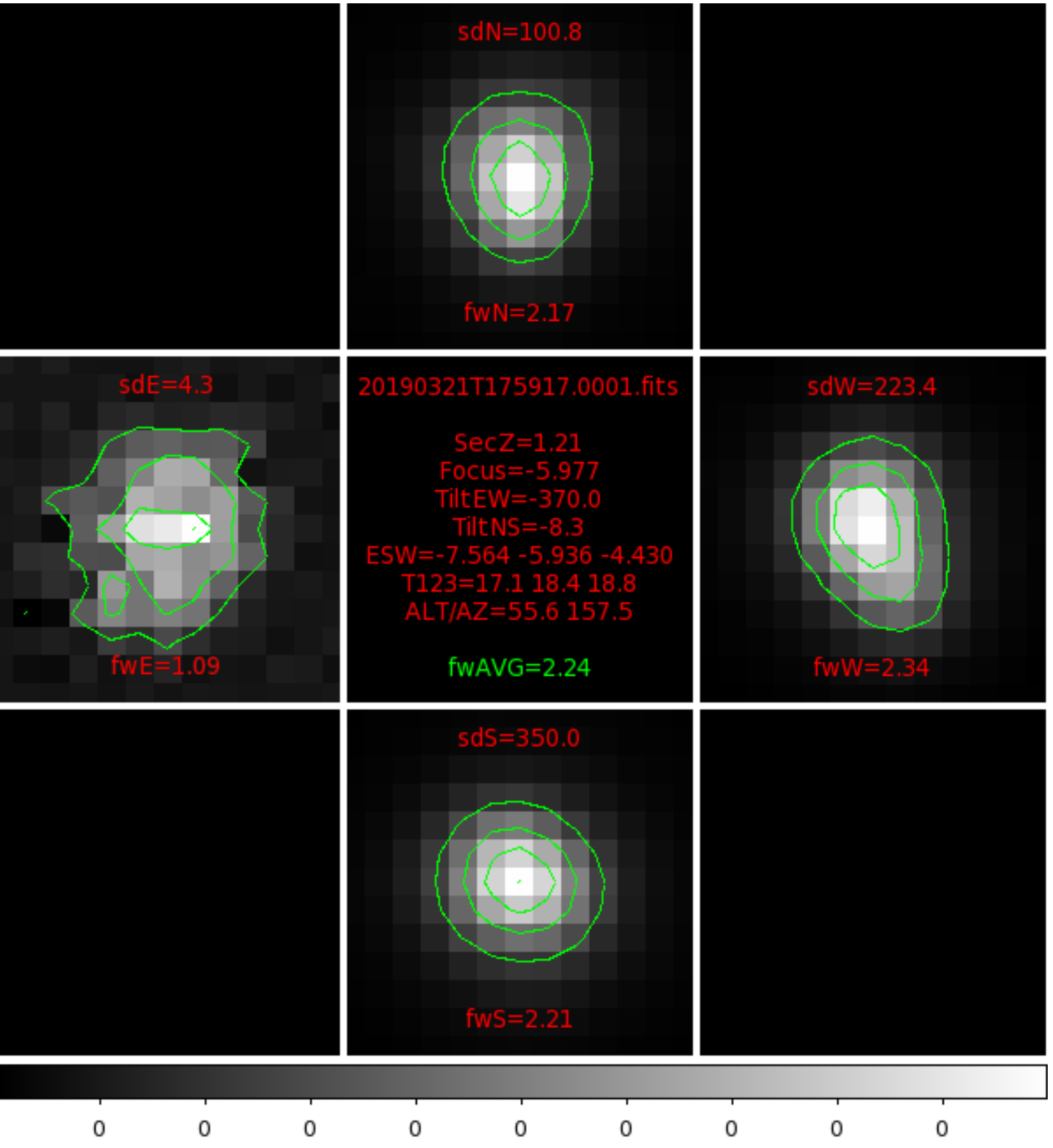
sdN=100.8
fwN=2.17
sdE=4.3
fwE=1.09
20190321T175917.0001.fits
SecZ=1.21
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=17.1 18.4 18.8
ALT/AZ=55.6 157.5
fwAVG=2.24
sdW=223.4
fwW=2.34
sdS=350.0
fwS=2.21
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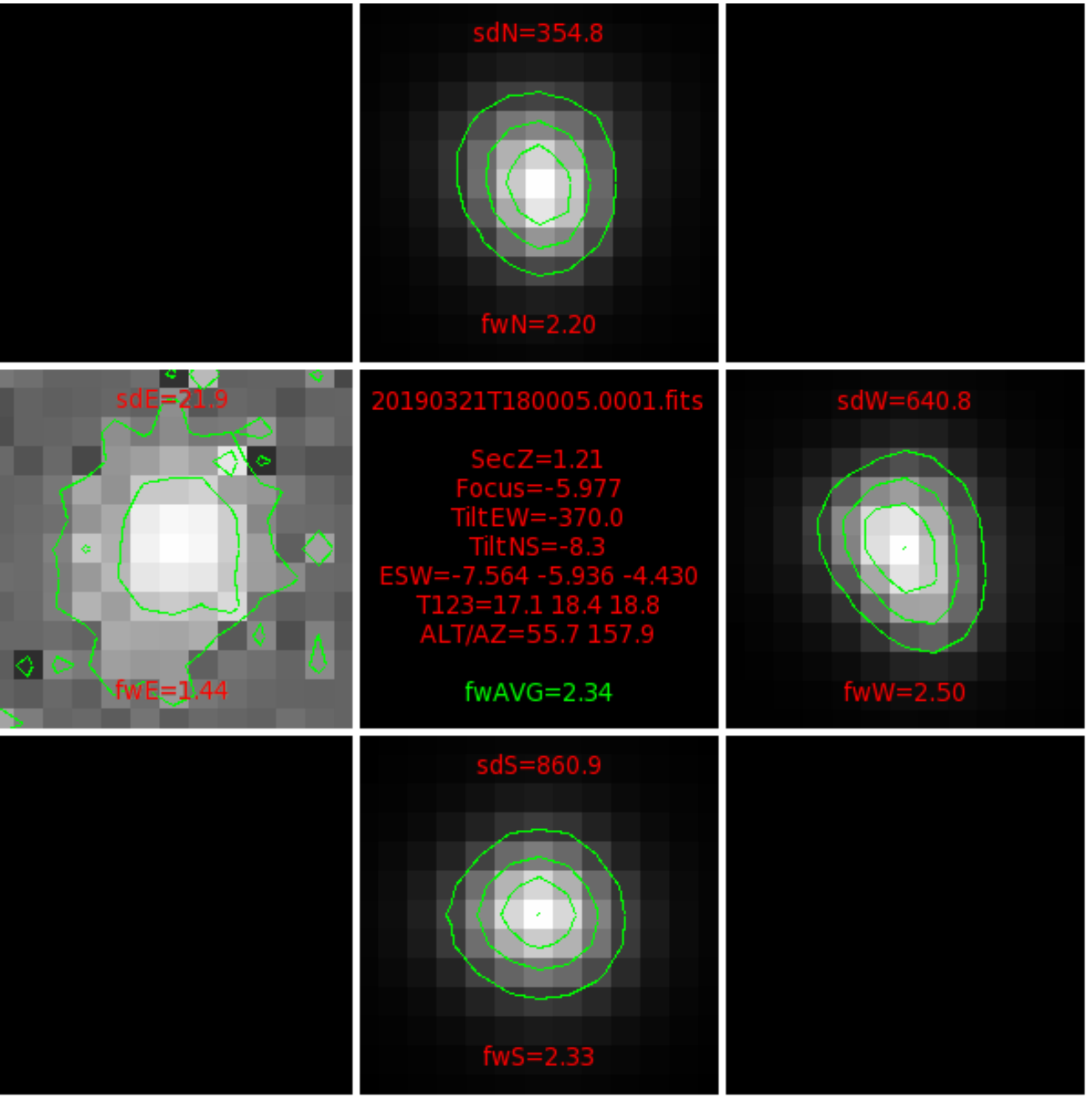
sdN=354.8
fwN=2.20
sdE=21.9
fwE=1.44
20190321T180005.0001.fits
SecZ=1.21
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=17.1 18.4 18.8
ALT/AZ=55.7 157.9
fwAVG=2.34
sdW=640.8
fwW=2.50
sdS=860.9
fwS=2.33
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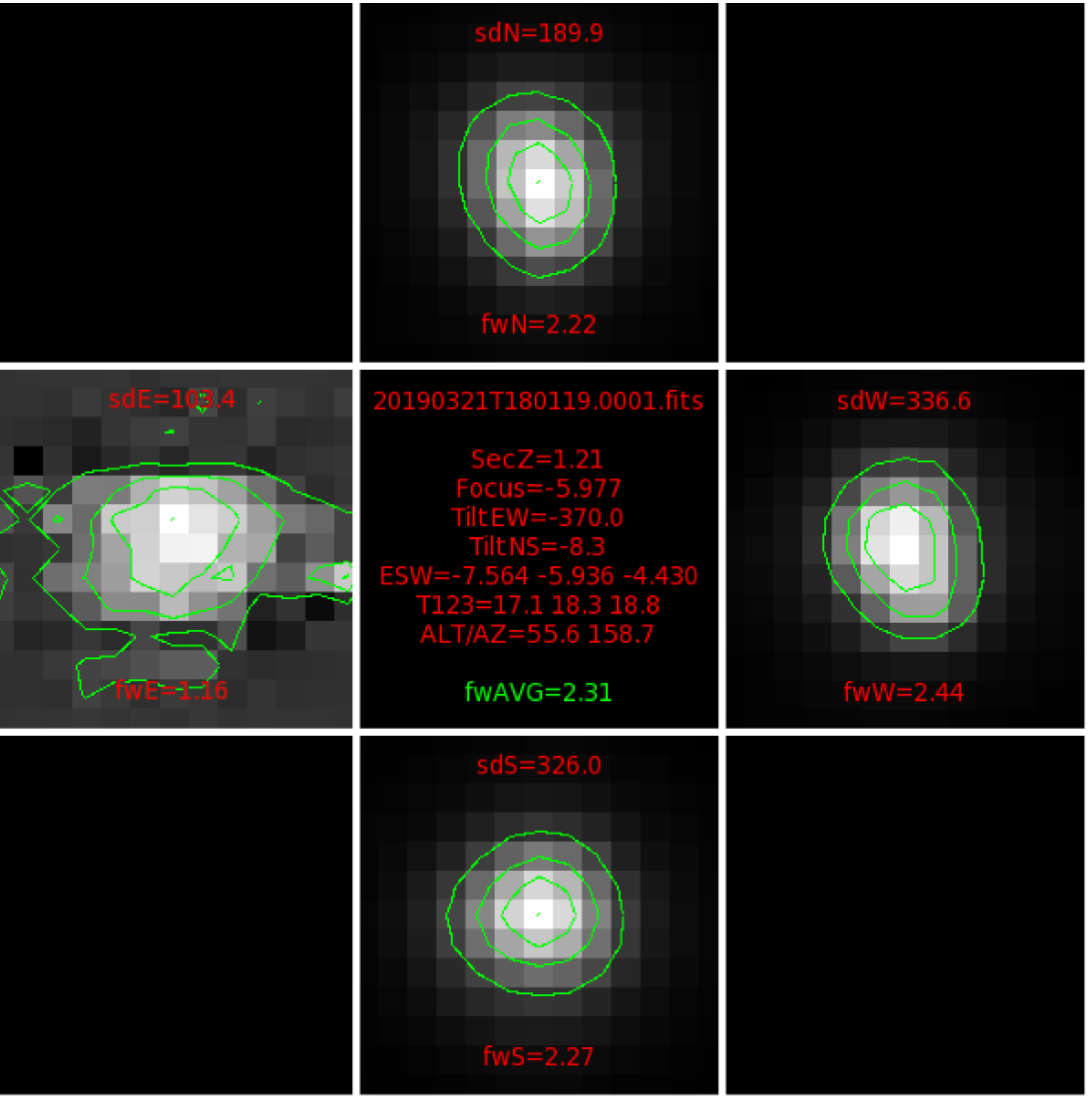
sdN=189.9
fwN=2.22
sdE=103.4
fwE=1.16
20190321T180119.0001.fits
SecZ=1.21
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=17.1 18.3 18.8
ALT/AZ=55.6 158.7
fwAVG=2.31
sdW=336.6
fwW=2.44
sdS=326.0
fwS=2.27
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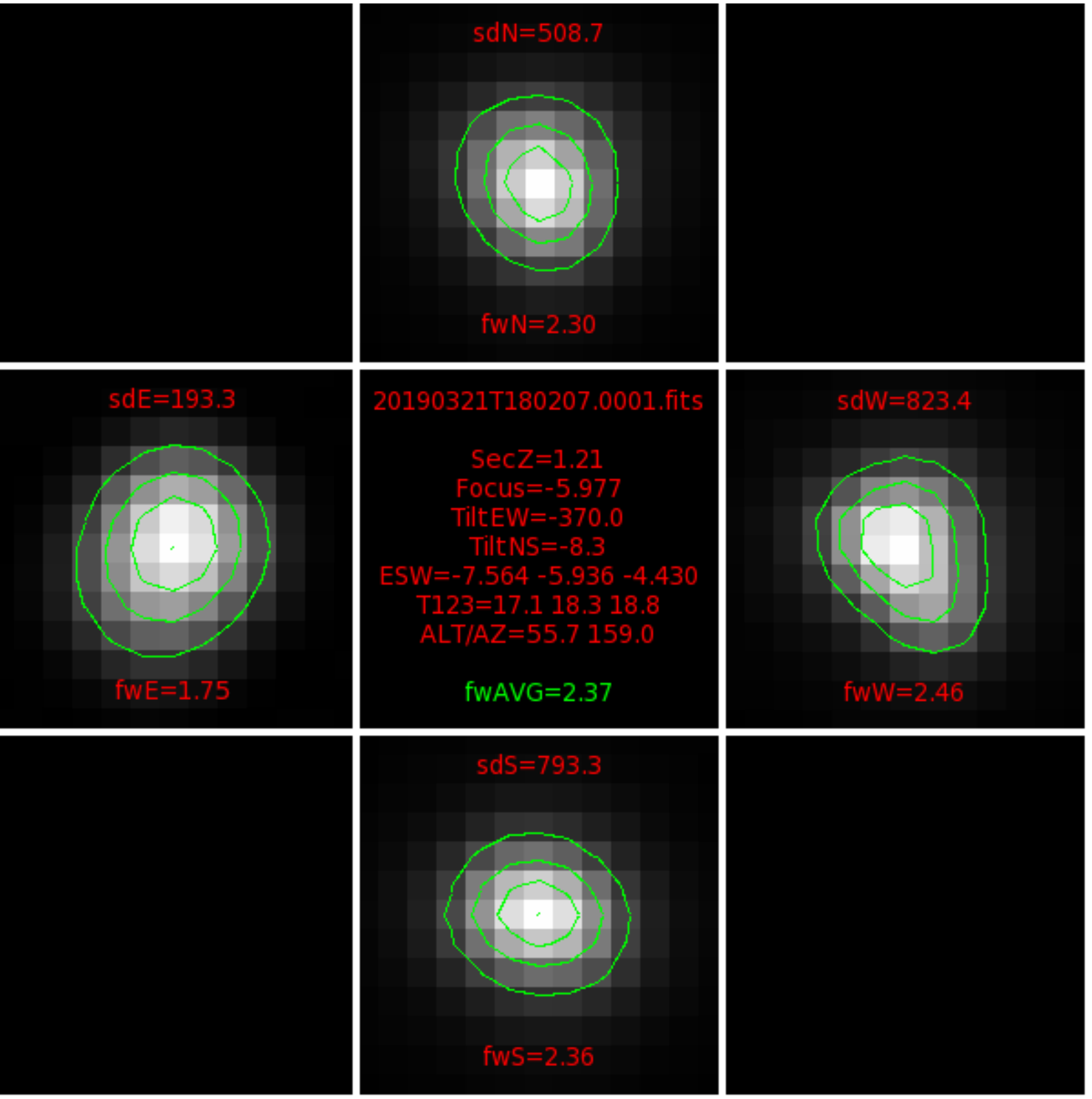
sdN=508.7
fwN=2.30
sdE=193.3
fwE=1.75
20190321T180207.0001.fits
SecZ=1.21
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=17.1 18.3 18.8
ALT/AZ=55.7 159.0
fwAVG=2.37
sdW=823.4
fwW=2.46
sdS=793.3
fwS=2.36
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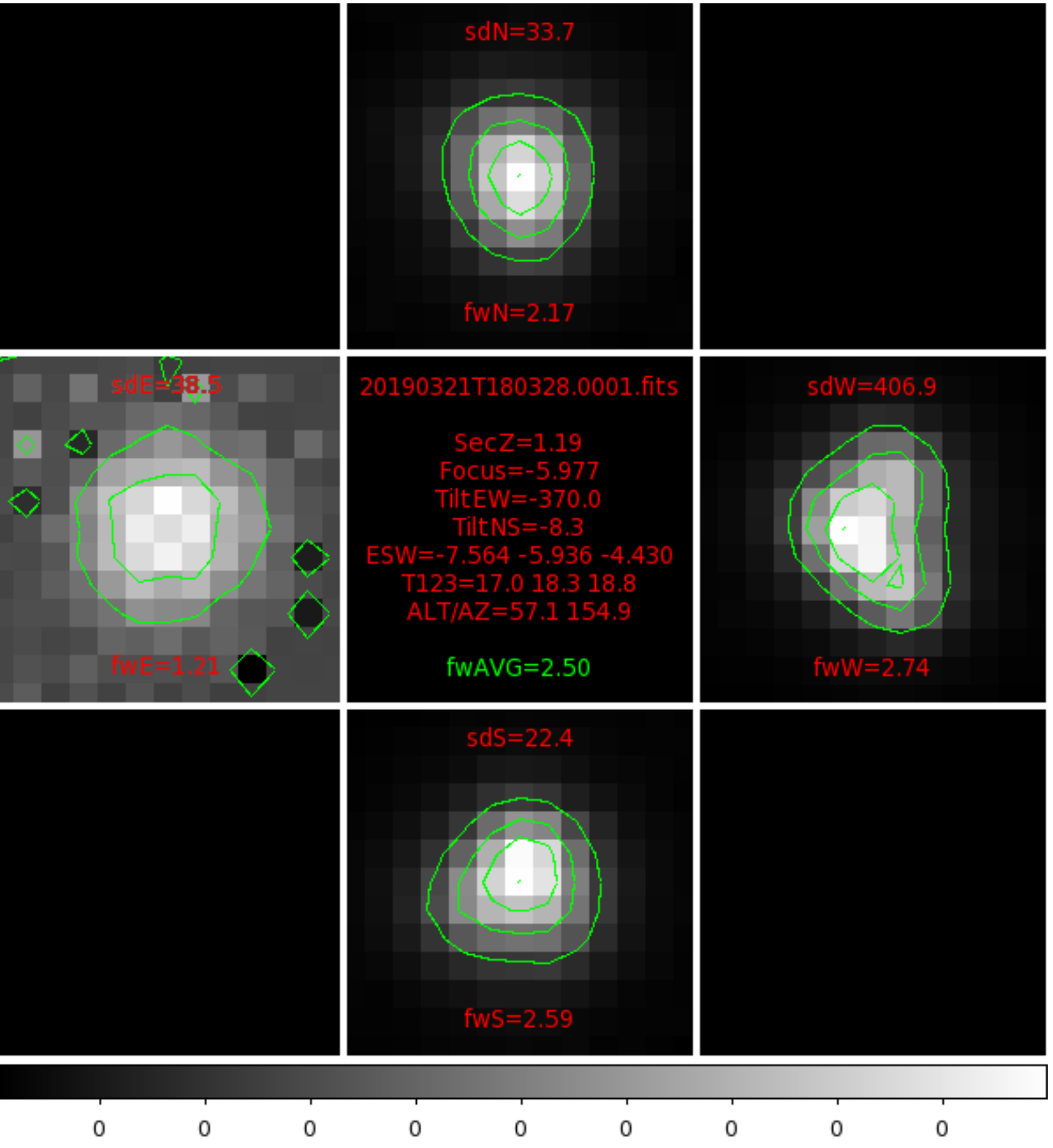
sdN=33.7
fwN=2.17
sdE=38.5
fwE=1.21
20190321T180328.0001.fits
SecZ=1.19
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=17.0 18.3 18.8
ALT/AZ=57.1 154.9
fwAVG=2.50
sdW=406.9
fwW=2.74
sdS=22.4
fwS=2.59
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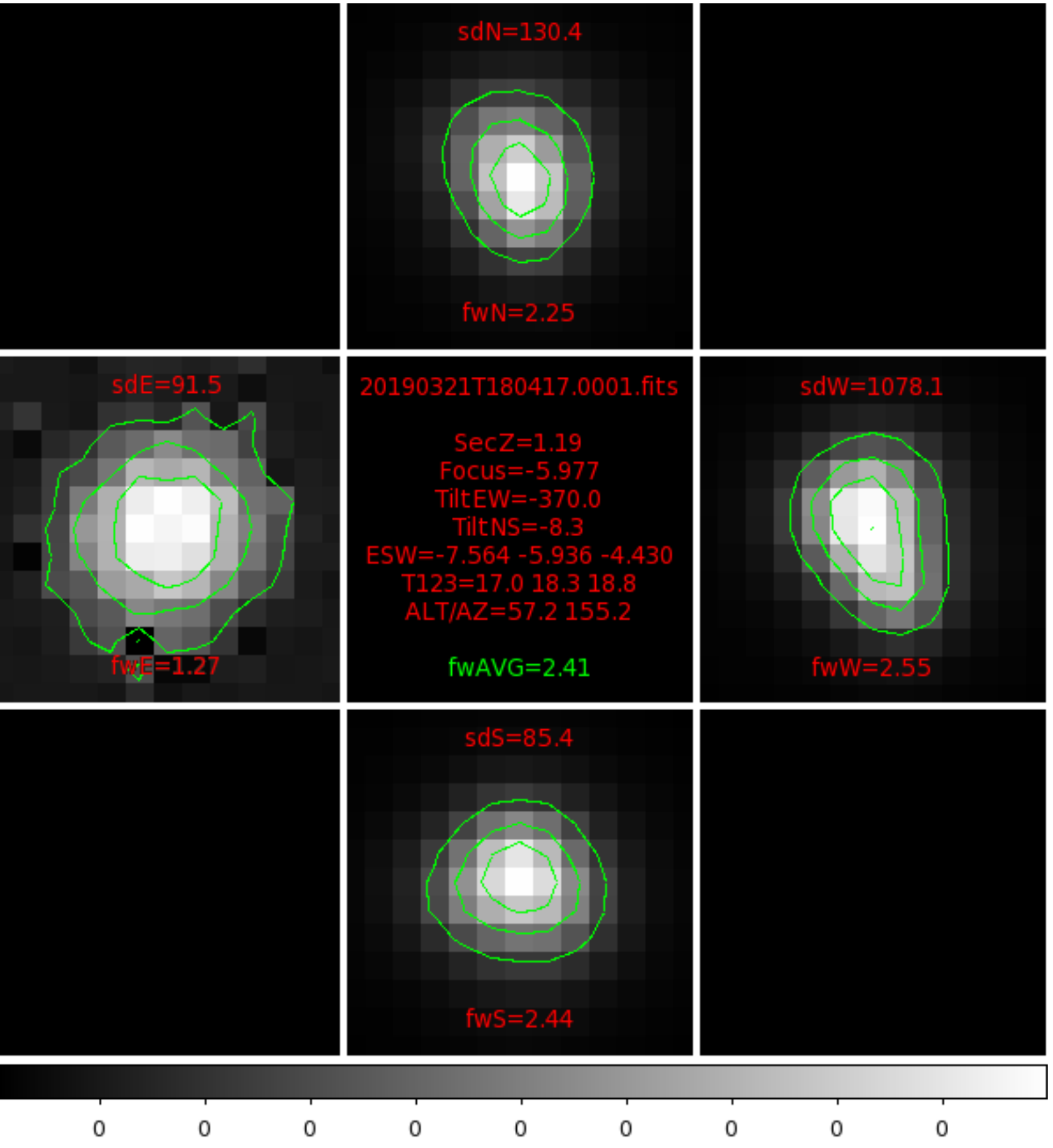
sdN=130.4
fwN=2.25
sdE=91.5
fwE=1.27
20190321T180417.0001.fits
SecZ=1.19
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=17.0 18.3 18.8
ALT/AZ=57.2 155.2
fwAVG=2.41
sdW=1078.1
fwW=2.55
sdS=85.4
fwS=2.44
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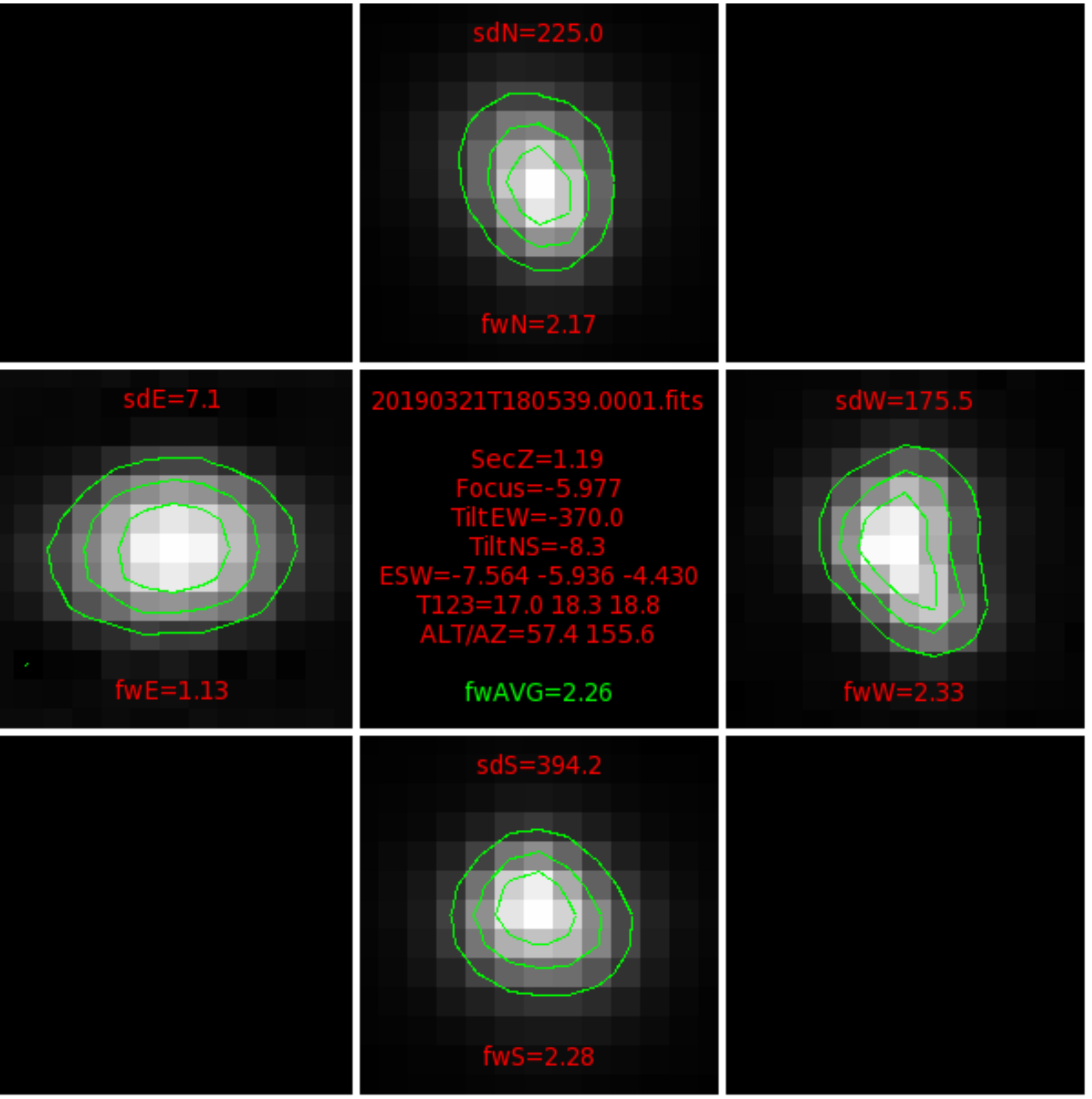
sdN=225.0
fwN=2.17
sdE=7.1
fwE=1.13
20190321T180539.0001.fits
SecZ=1.19
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=17.0 18.3 18.8
ALT/AZ=57.4 155.6
fwAVG=2.26
sdW=175.5
fwW=2.33
sdS=394.2
fwS=2.28
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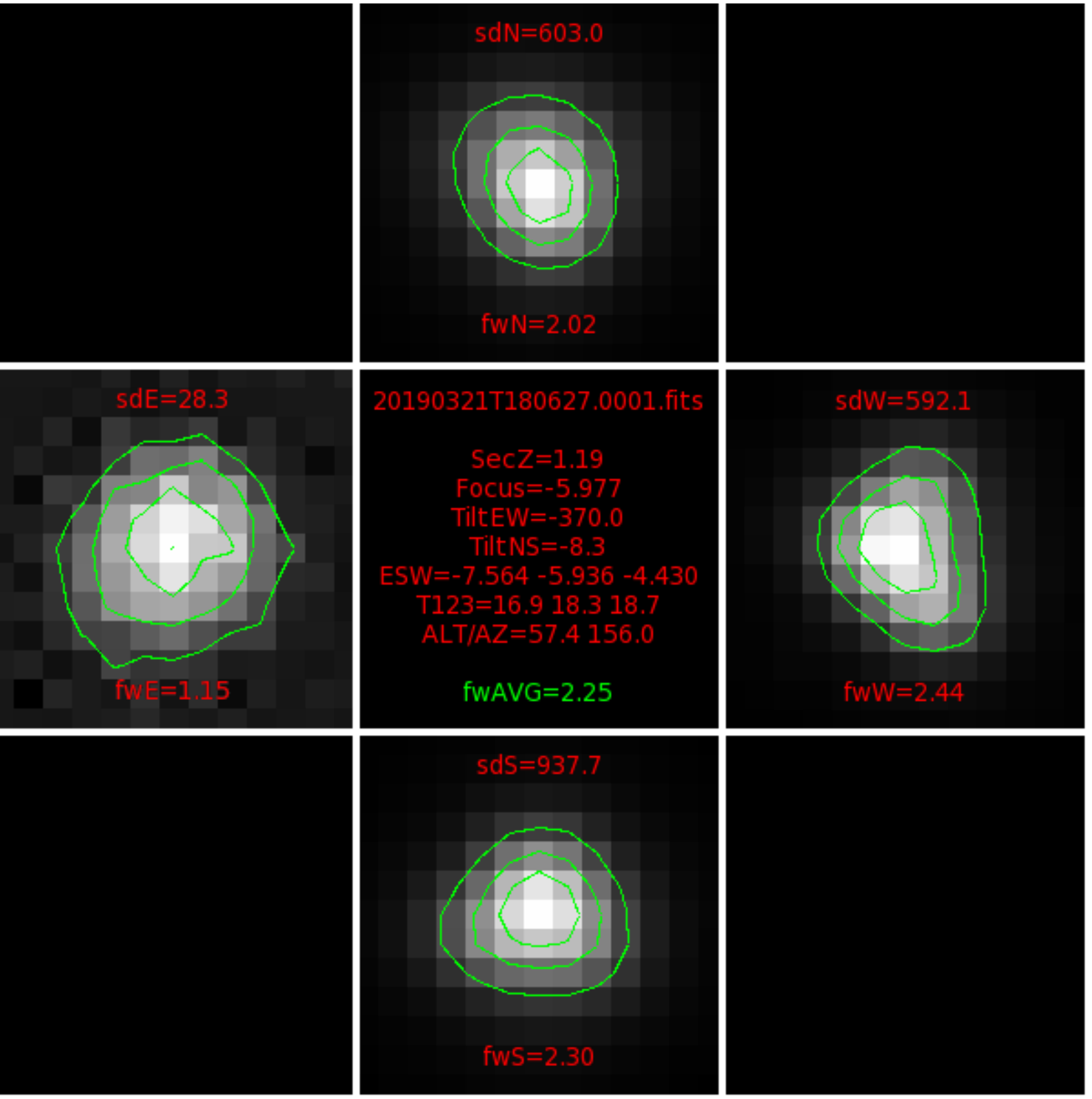
sdN=603.0
fwN=2.02
sdE=28.3
fwE=1.15
20190321T180627.0001.fits
SecZ=1.19
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=16.9 18.3 18.7
ALT/AZ=57.4 156.0
fwAVG=2.25
sdW=592.1
fwW=2.44
sdS=937.7
fwS=2.30
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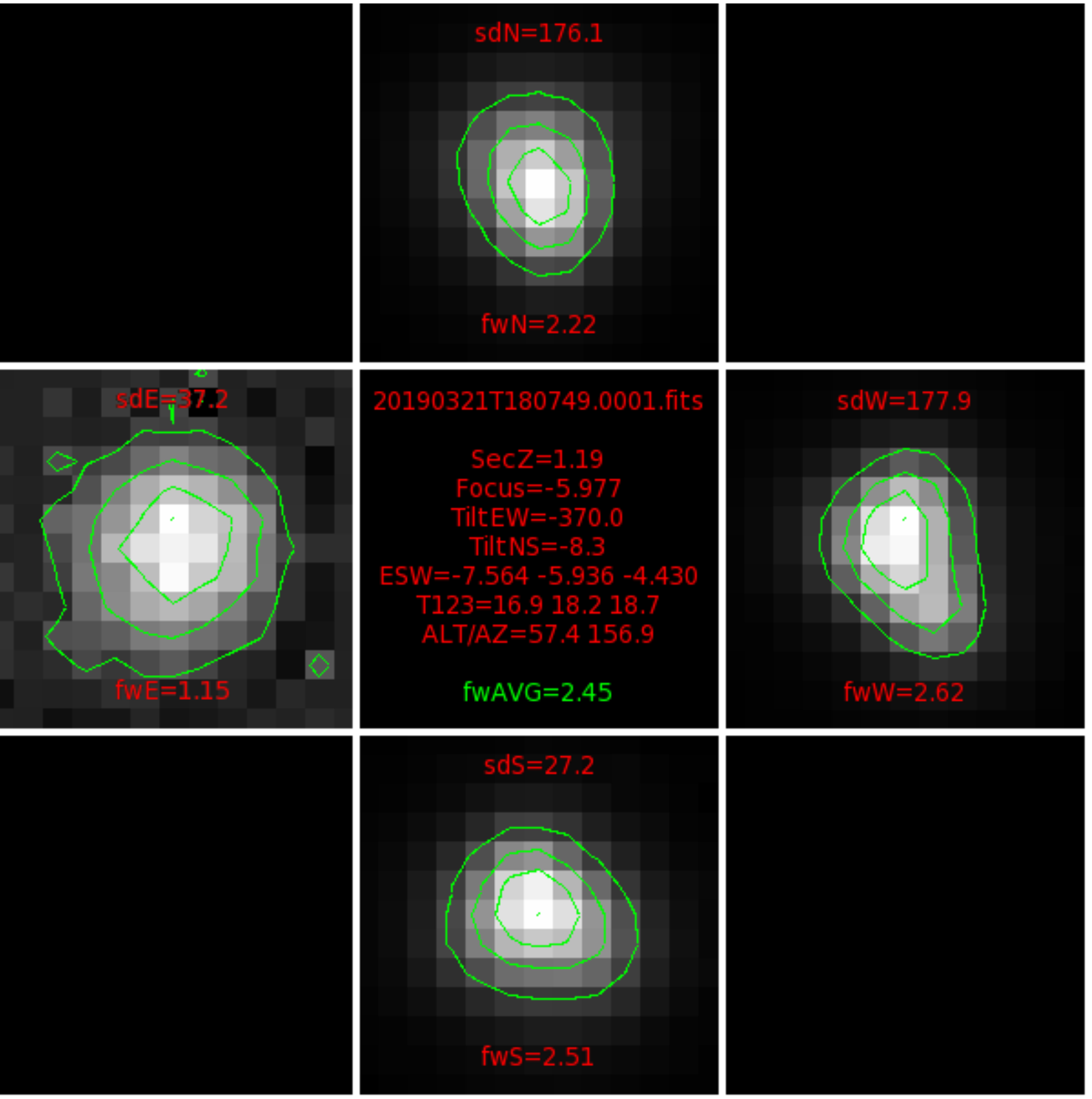
sdN=176.1
fwN=2.22
sdE=37.2
fwE=1.15
20190321T180749.0001.fits
SecZ=1.19
Focus=-5.977
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.564 -5.936 -4.430
T123=16.9 18.2 18.7
ALT/AZ=57.4 156.9
fwAVG=2.45
sdW=177.9
fwW=2.62
sdS=27.2
fwS=2.51
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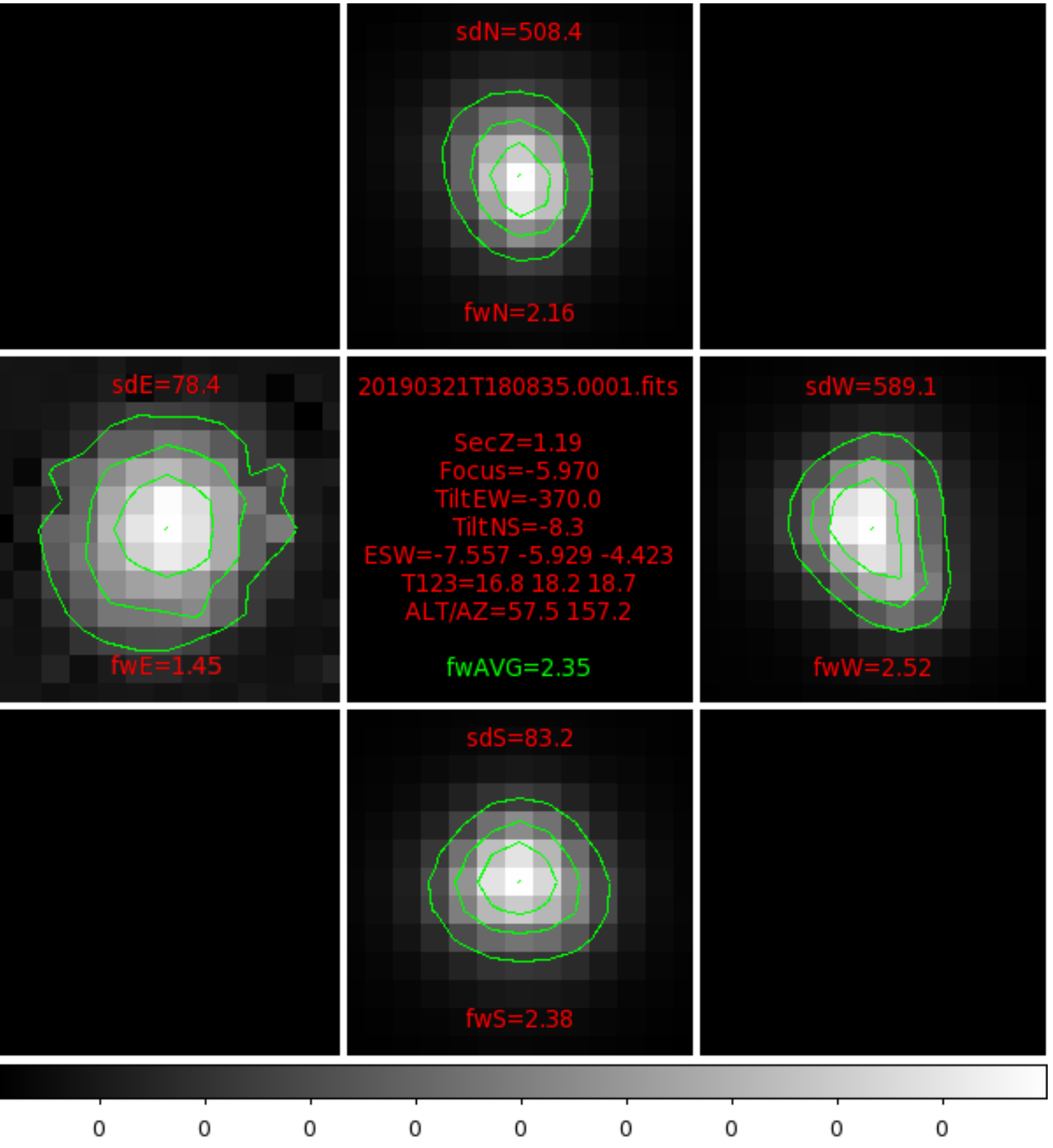
sdN=508.4
fwN=2.16
sdE=78.4
fwE=1.45
20190321T180835.0001.fits
SecZ=1.19
Focus=-5.970
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.557 -5.929 -4.423
T123=16.8 18.2 18.7
ALT/AZ=57.5 157.2
fwAVG=2.35
sdW=589.1
fwW=2.52
sdS=83.2
fwS=2.38
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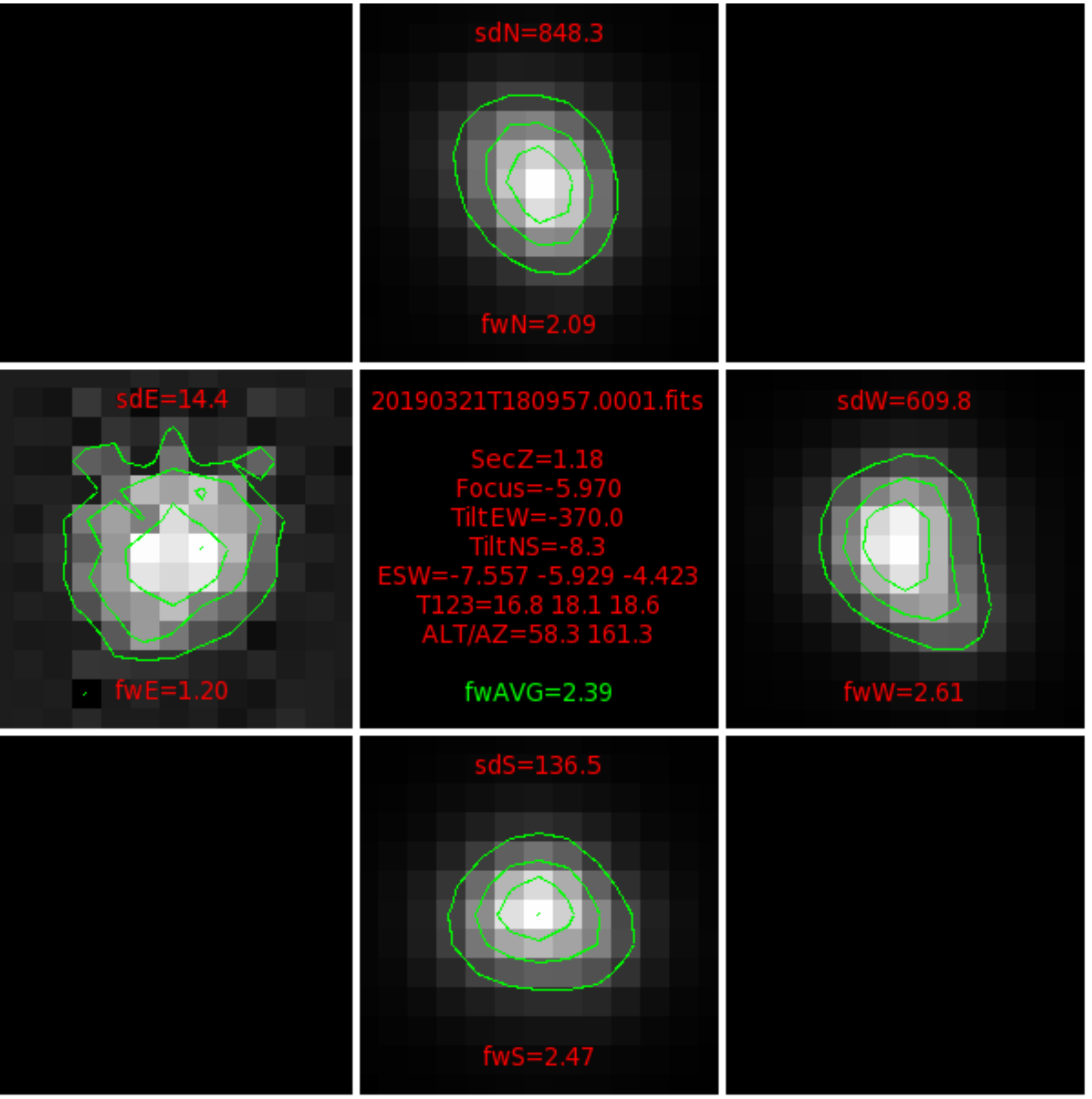
sdN=848.3
fwN=2.09
sdE=14.4
fwE=1.20
20190321T180957.0001.fits
SecZ=1.18
Focus=-5.970
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.557 -5.929 -4.423
T123=16.8 18.1 18.6
ALT/AZ=58.3 161.3
fwAVG=2.39
sdW=609.8
fwW=2.61
sdS=136.5
fwS=2.47
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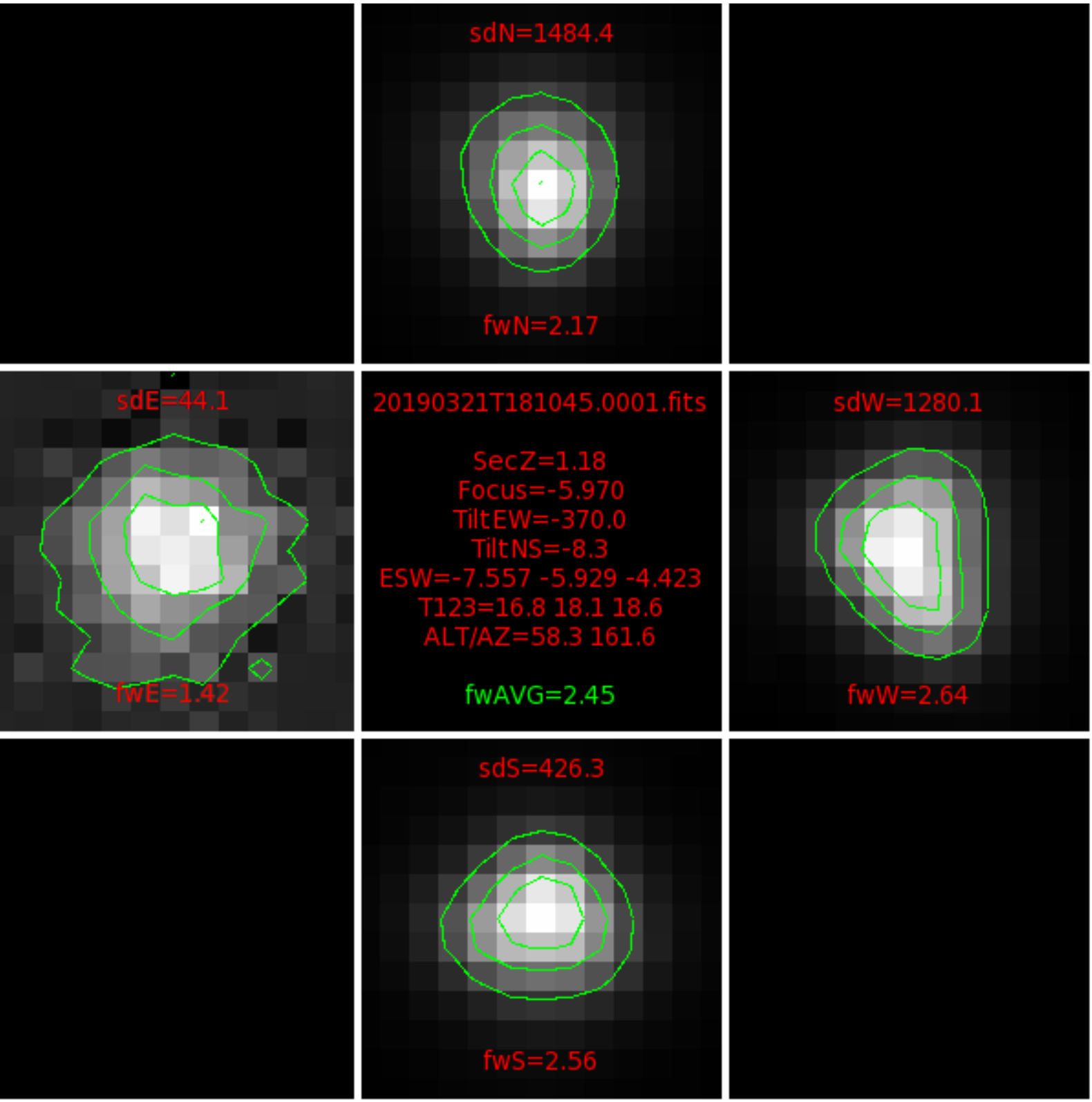
sdN=1484.4
fwN=2.17
sdE=44.1
fwE=1.42
20190321T181045.0001.fits
SecZ=1.18
Focus=-5.970
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.557 -5.929 -4.423
T123=16.8 18.1 18.6
ALT/AZ=58.3 161.6
fwAVG=2.45
sdW=1280.1
fwW=2.64
sdS=426.3
fwS=2.56
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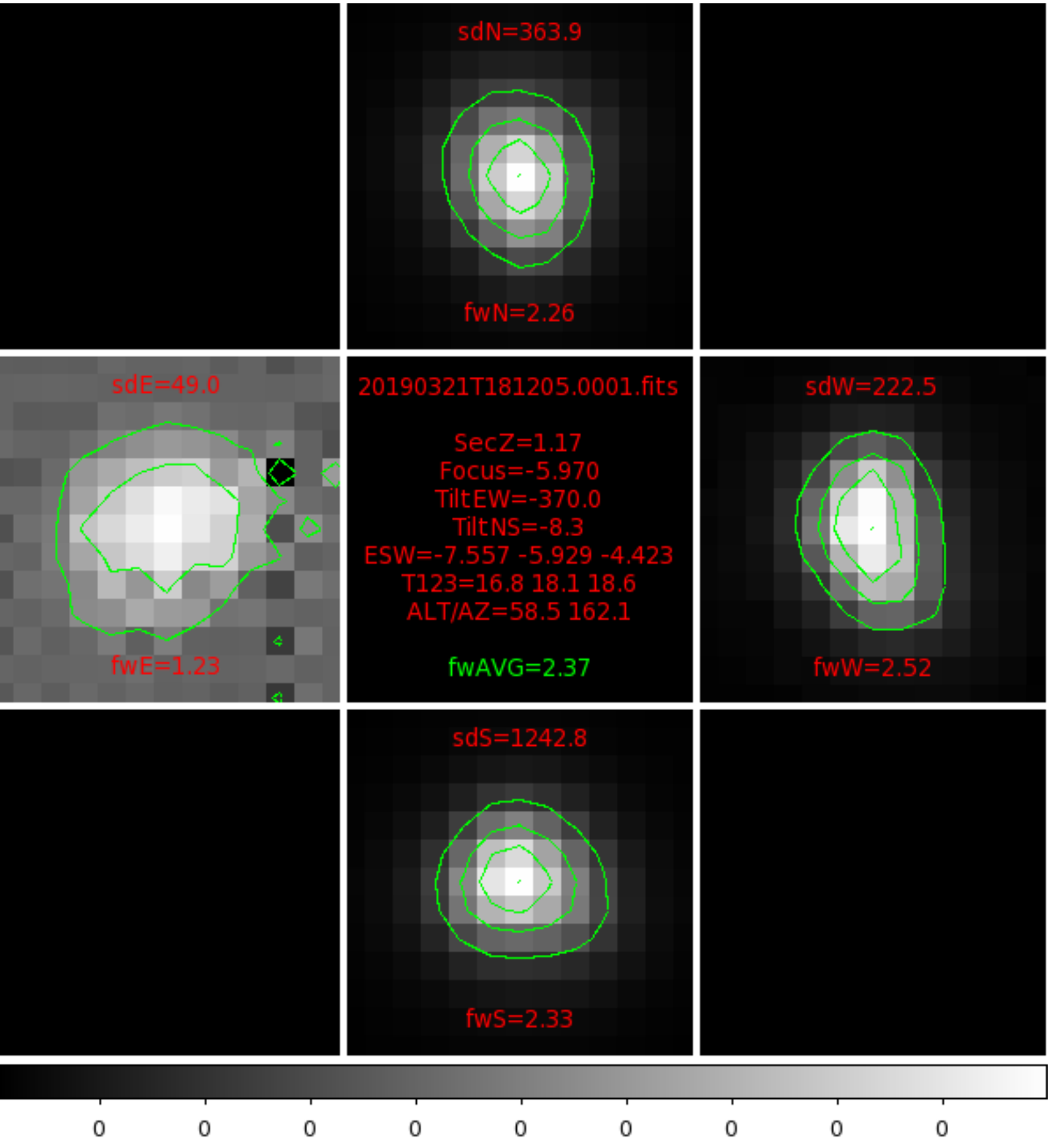
sdN=363.9
fwN=2.26
sdE=49.0
fwE=1.23
20190321T181205.0001.fits
SecZ=1.17
Focus=-5.970
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.557 -5.929 -4.423
T123=16.8 18.1 18.6
ALT/AZ=58.5 162.1
fwAVG=2.37
sdW=222.5
fwW=2.52
sdS=1242.8
fwS=2.33
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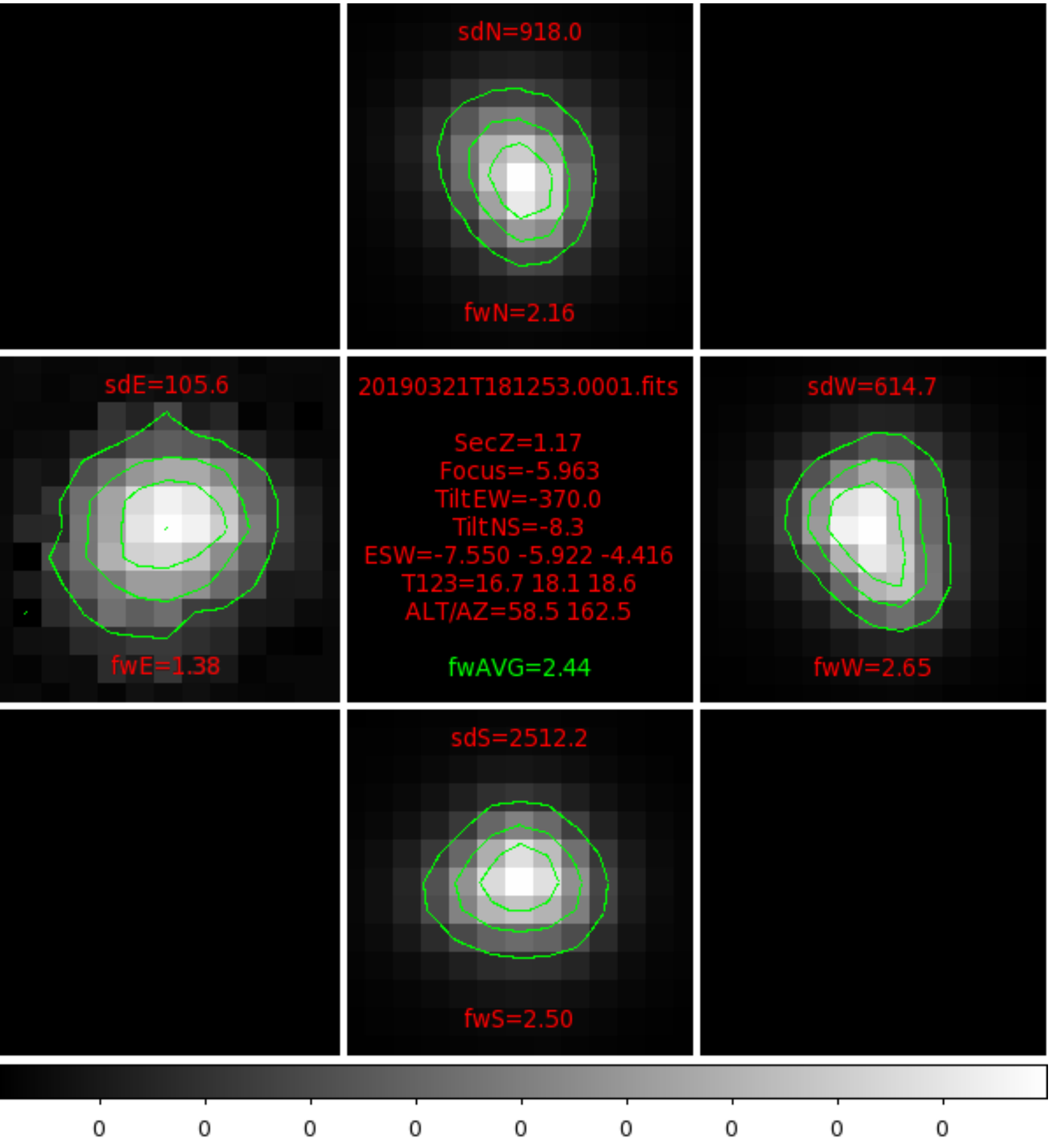
sdN=918.0
fwN=2.16
sdE=105.6
fwE=1.38
20190321T181253.0001.fits
SecZ=1.17
Focus=-5.963
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.550 -5.922 -4.416
T123=16.7 18.1 18.6
ALT/AZ=58.5 162.5
fwAVG=2.44
sdW=614.7
fwW=2.65
sdS=2512.2
fwS=2.50
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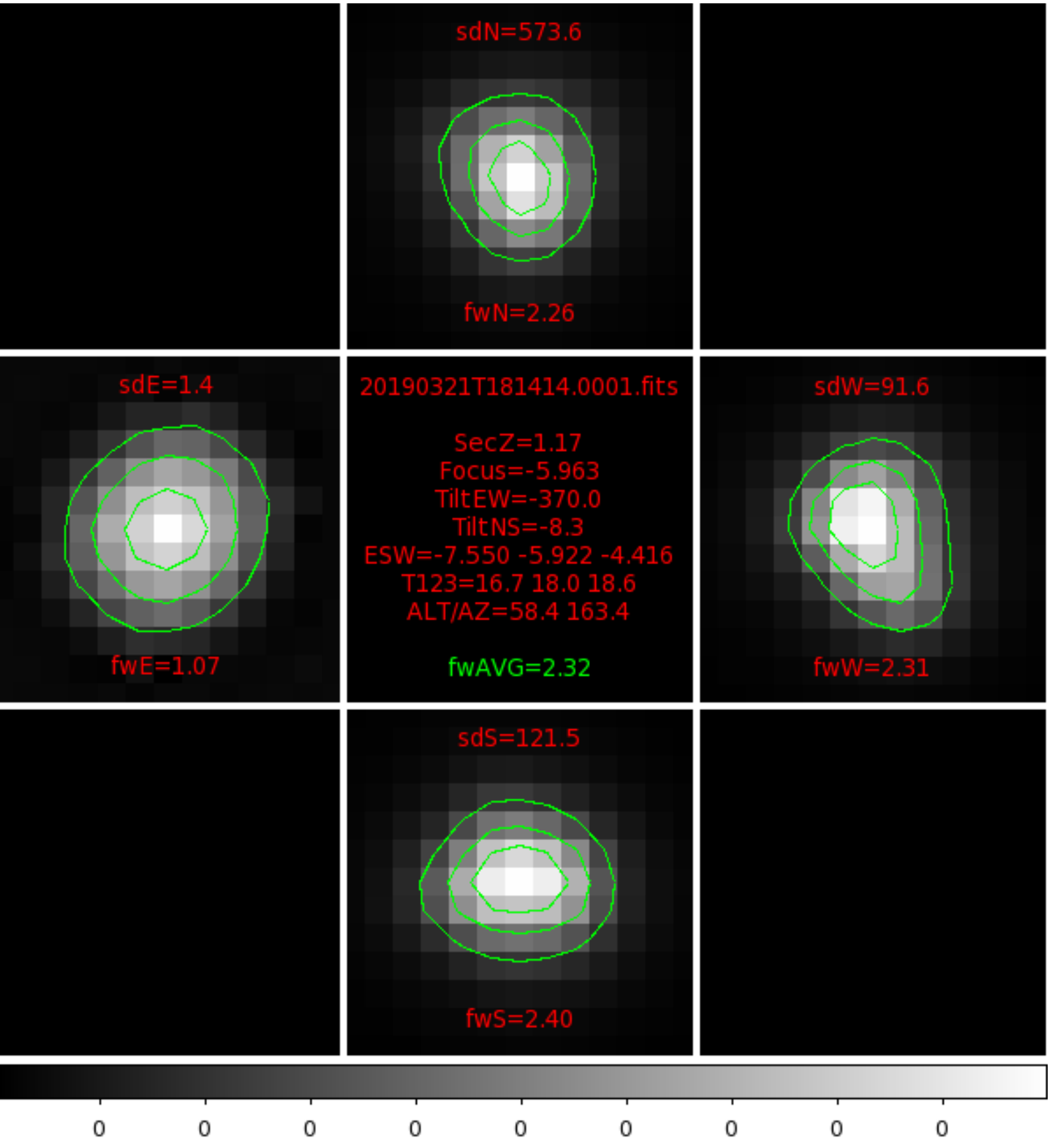
sdN=573.6
fwN=2.26
sdE=1.4
fwE=1.07
20190321T181414.0001.fits
SecZ=1.17
Focus=-5.963
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.550 -5.922 -4.416
T123=16.7 18.0 18.6
ALT/AZ=58.4 163.4
fwAVG=2.32
sdW=91.6
fwW=2.31
sdS=121.5
fwS=2.40
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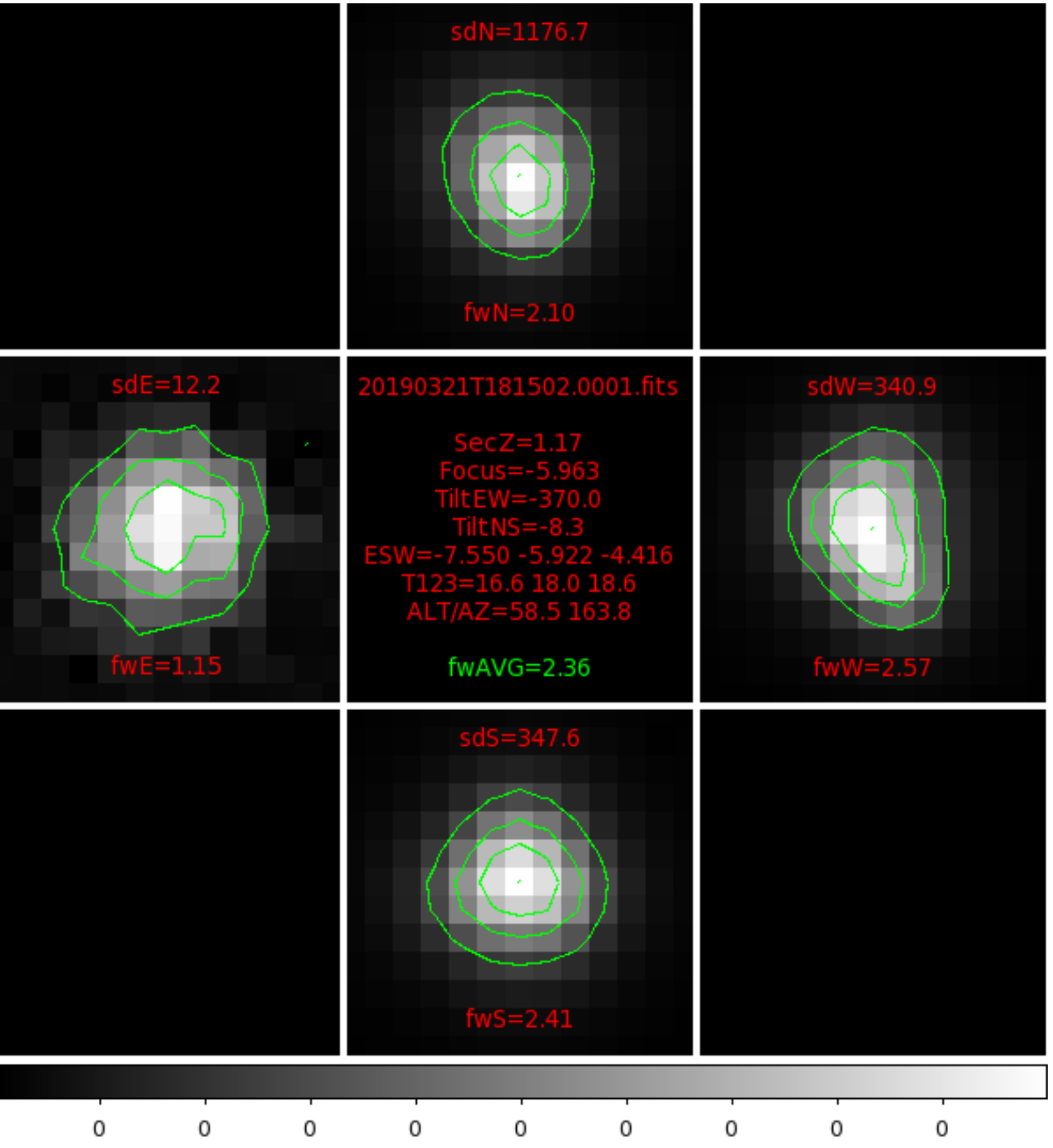
sdN=1176.7
fwN=2.10
sdE=12.2
fwE=1.15
20190321T181502.0001.fits
SecZ=1.17
Focus=-5.963
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.550 -5.922 -4.416
T123=16.6 18.0 18.6
ALT/AZ=58.5 163.8
fwAVG=2.36
sdW=340.9
fwW=2.57
sdS=347.6
fwS=2.41
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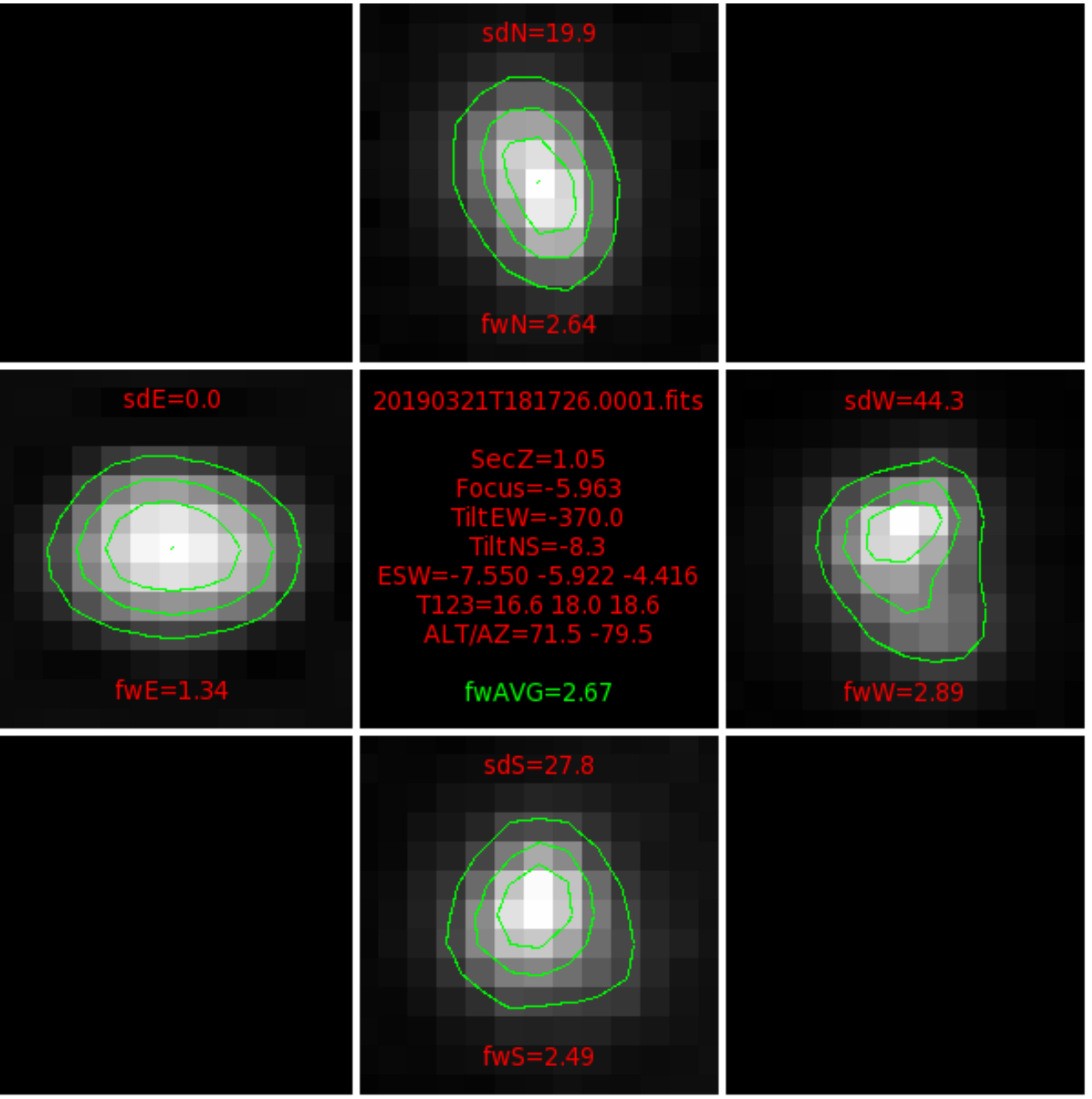
sdN=19.9
fwN=2.64
sdE=0.0
fwE=1.34
20190321T181726.0001.fits
SecZ=1.05
Focus=-5.963
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.550 -5.922 -4.416
T123=16.6 18.0 18.6
ALT/AZ=71.5 -79.5
fwAVG=2.67
sdW=44.3
fwW=2.89
sdS=27.8
fwS=2.49
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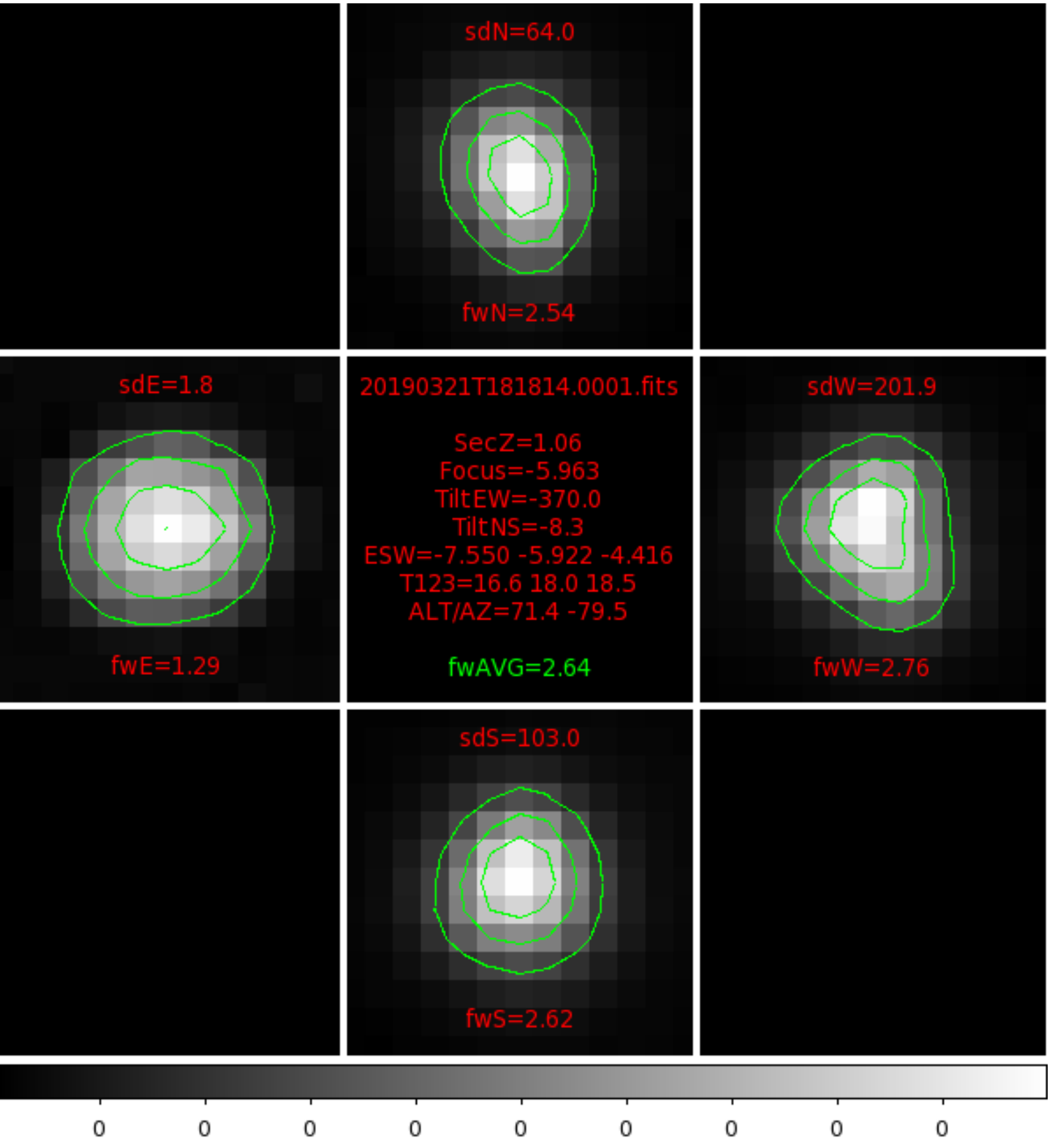
sdN=64.0
fwN=2.54
sdE=1.8
fwE=1.29
20190321T181814.0001.fits
SecZ=1.06
Focus=-5.963
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.550 -5.922 -4.416
T123=16.6 18.0 18.5
ALT/AZ=71.4 -79.5
fwAVG=2.64
sdW=201.9
fwW=2.76
sdS=103.0
fwS=2.62
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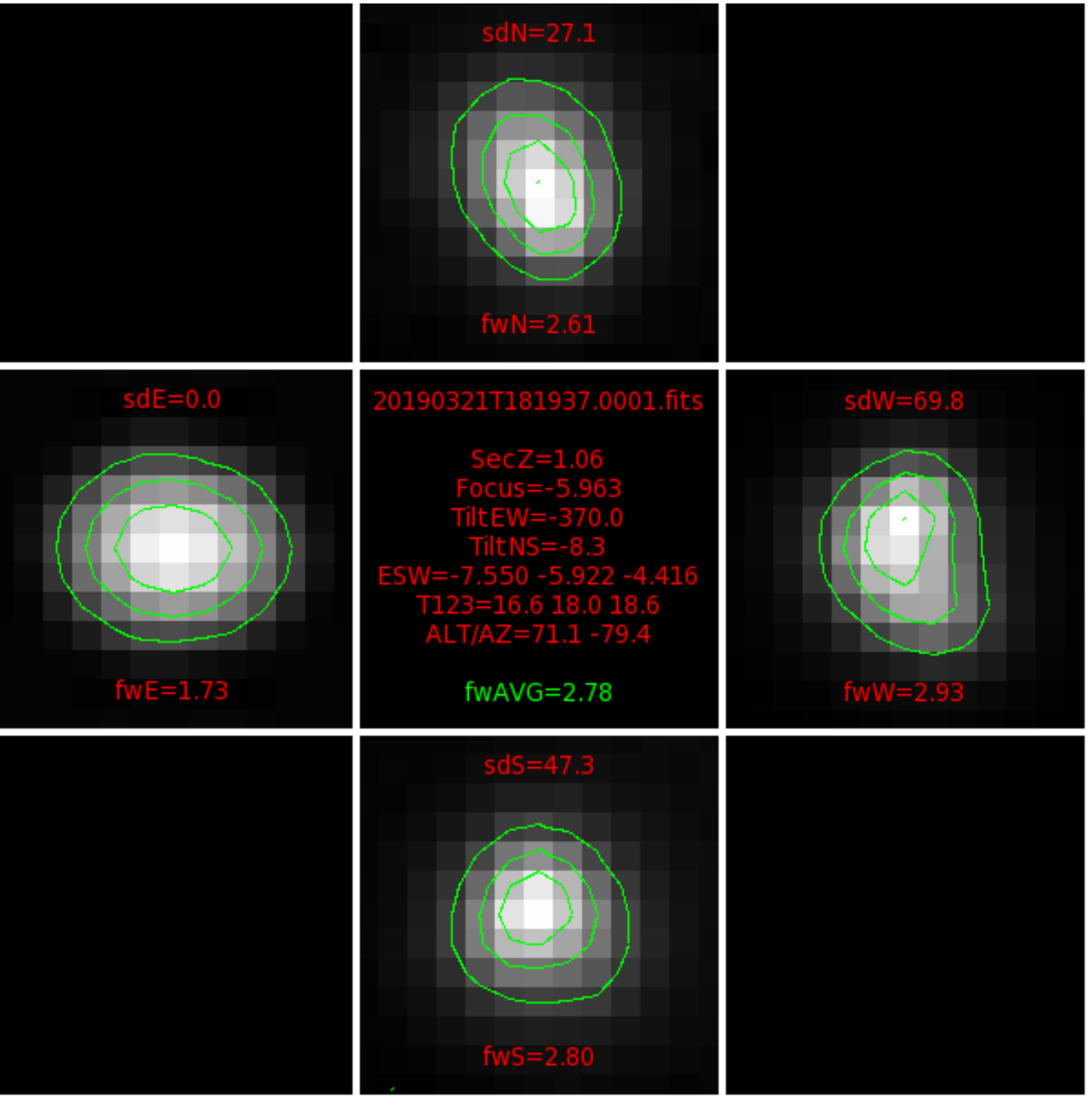
sdN=27.1
fwN=2.61
sdE=0.0
fwE=1.73
20190321T181937.0001.fits
SecZ=1.06
Focus=-5.963
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.550 -5.922 -4.416
T123=16.6 18.0 18.6
ALT/AZ=71.1 -79.4
fwAVG=2.78
sdW=69.8
fwW=2.93
sdS=47.3
fwS=2.80
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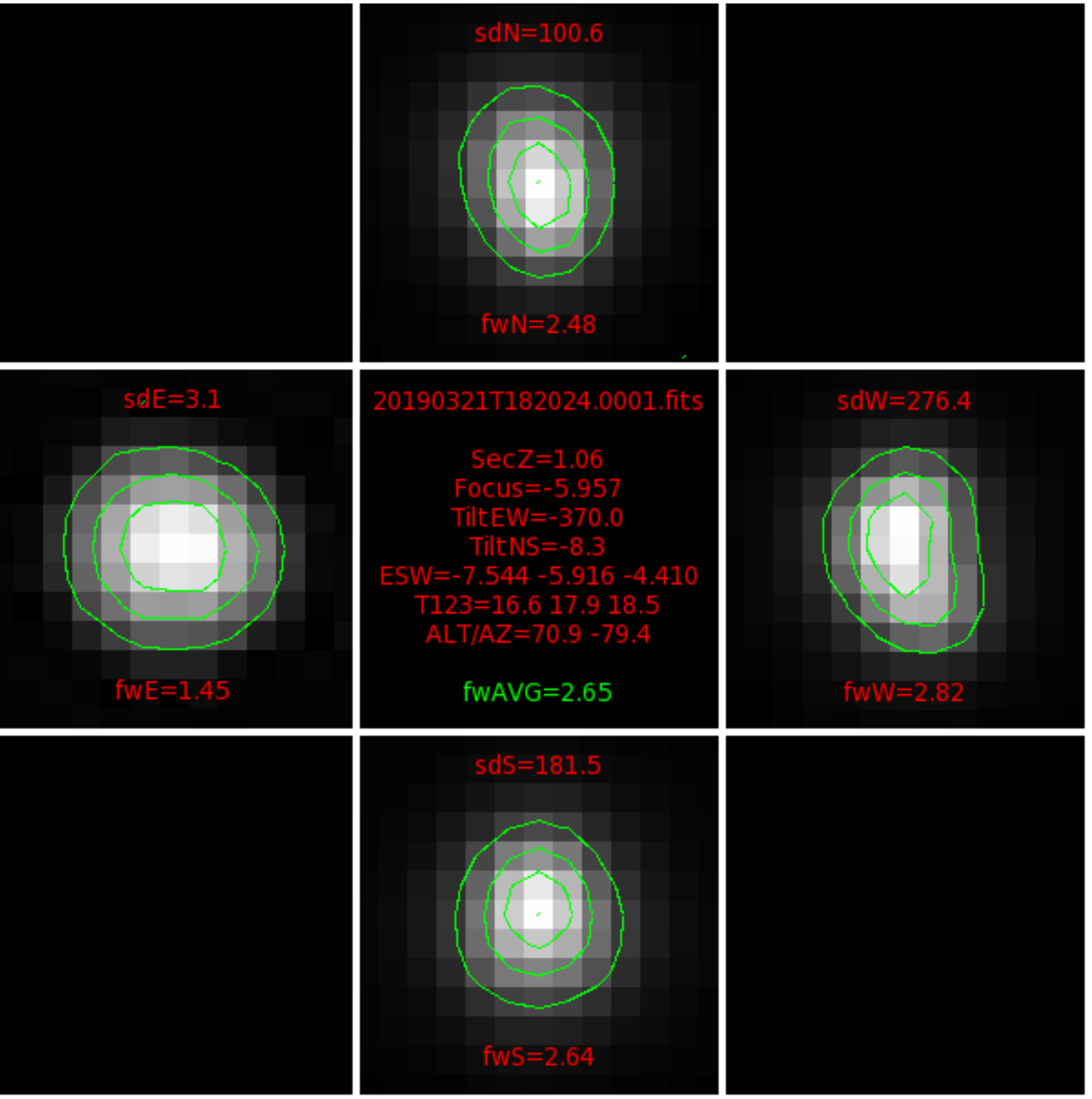
sdN=100.6
fwN=2.48
sdE=3.1
fwE=1.45
20190321T182024.0001.fits
SecZ=1.06
Focus=-5.957
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.544 -5.916 -4.410
T123=16.6 17.9 18.5
ALT/AZ=70.9 -79.4
fwAVG=2.65
sdW=276.4
fwW=2.82
sdS=181.5
fwS=2.64
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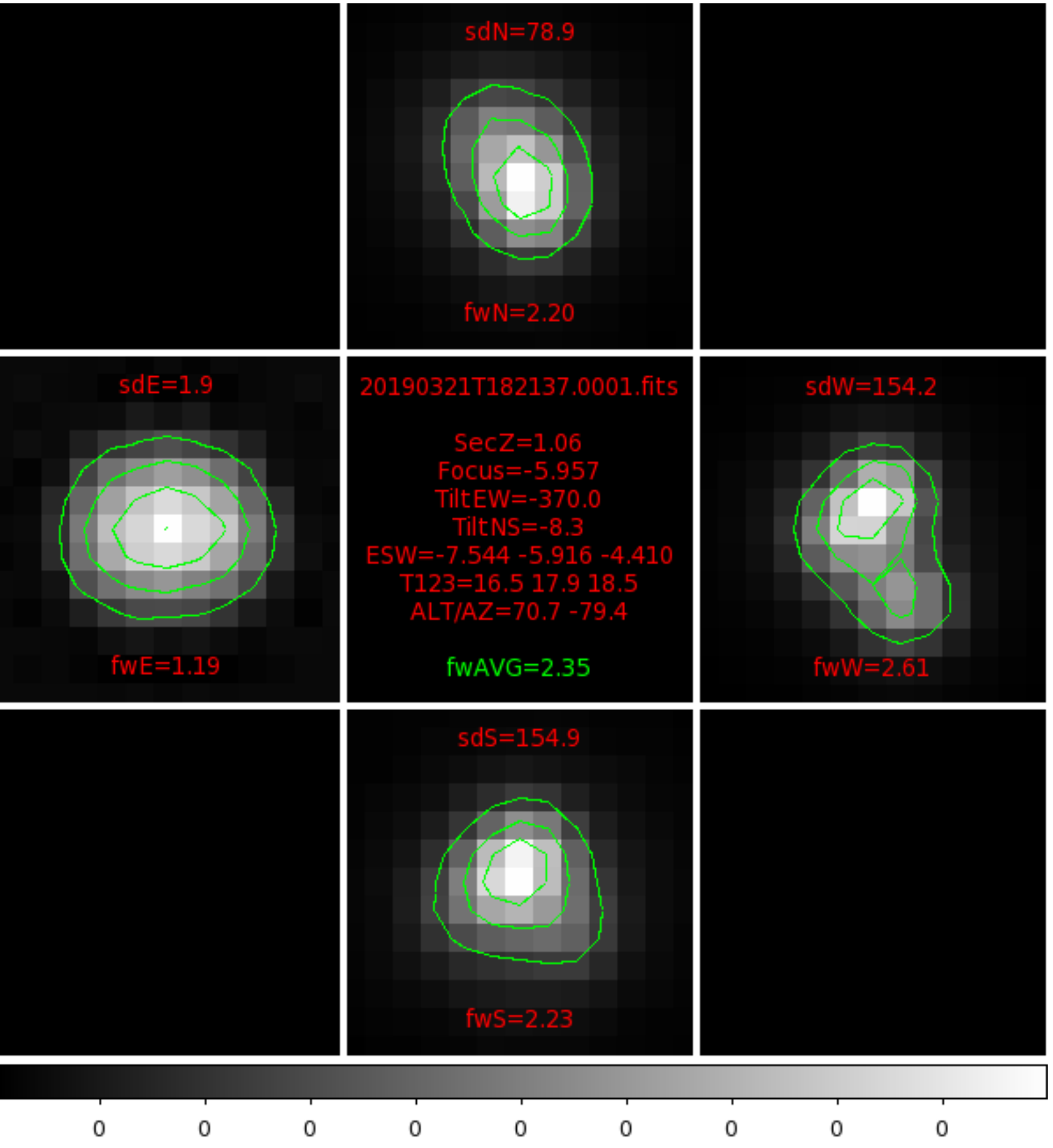
sdN=78.9
fwN=2.20
sdE=1.9
fwE=1.19
20190321T182137.0001.fits
SecZ=1.06
Focus=-5.957
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.544 -5.916 -4.410
T123=16.5 17.9 18.5
ALT/AZ=70.7 -79.4
fwAVG=2.35
sdW=154.2
fwW=2.61
sdS=154.9
fwS=2.23
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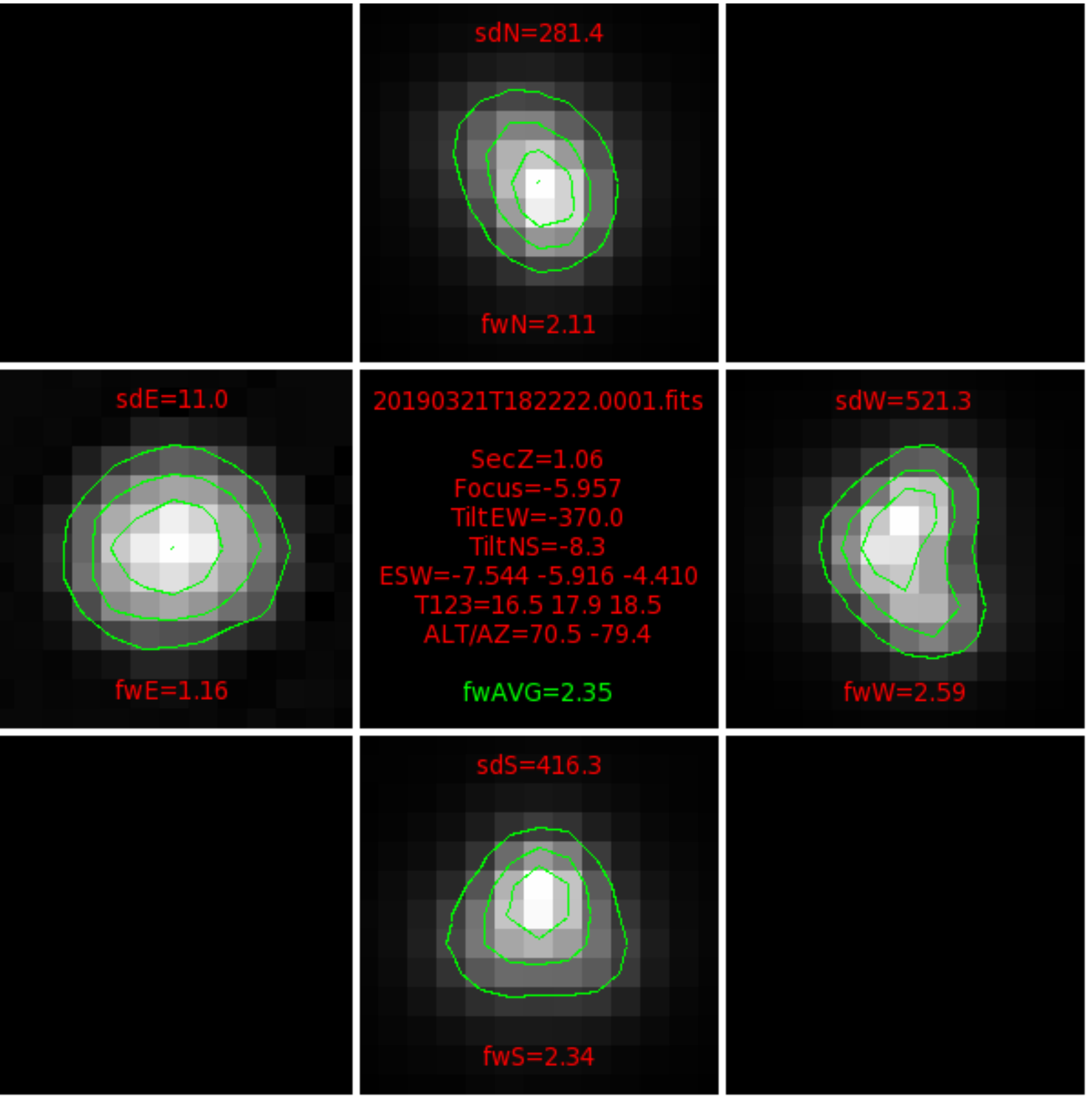
sdN=281.4
fwN=2.11
sdE=11.0
fwE=1.16
20190321T182222.0001.fits
SecZ=1.06
Focus=-5.957
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.544 -5.916 -4.410
T123=16.5 17.9 18.5
ALT/AZ=70.5 -79.4
fwAVG=2.35
sdW=521.3
fwW=2.59
sdS=416.3
fwS=2.34
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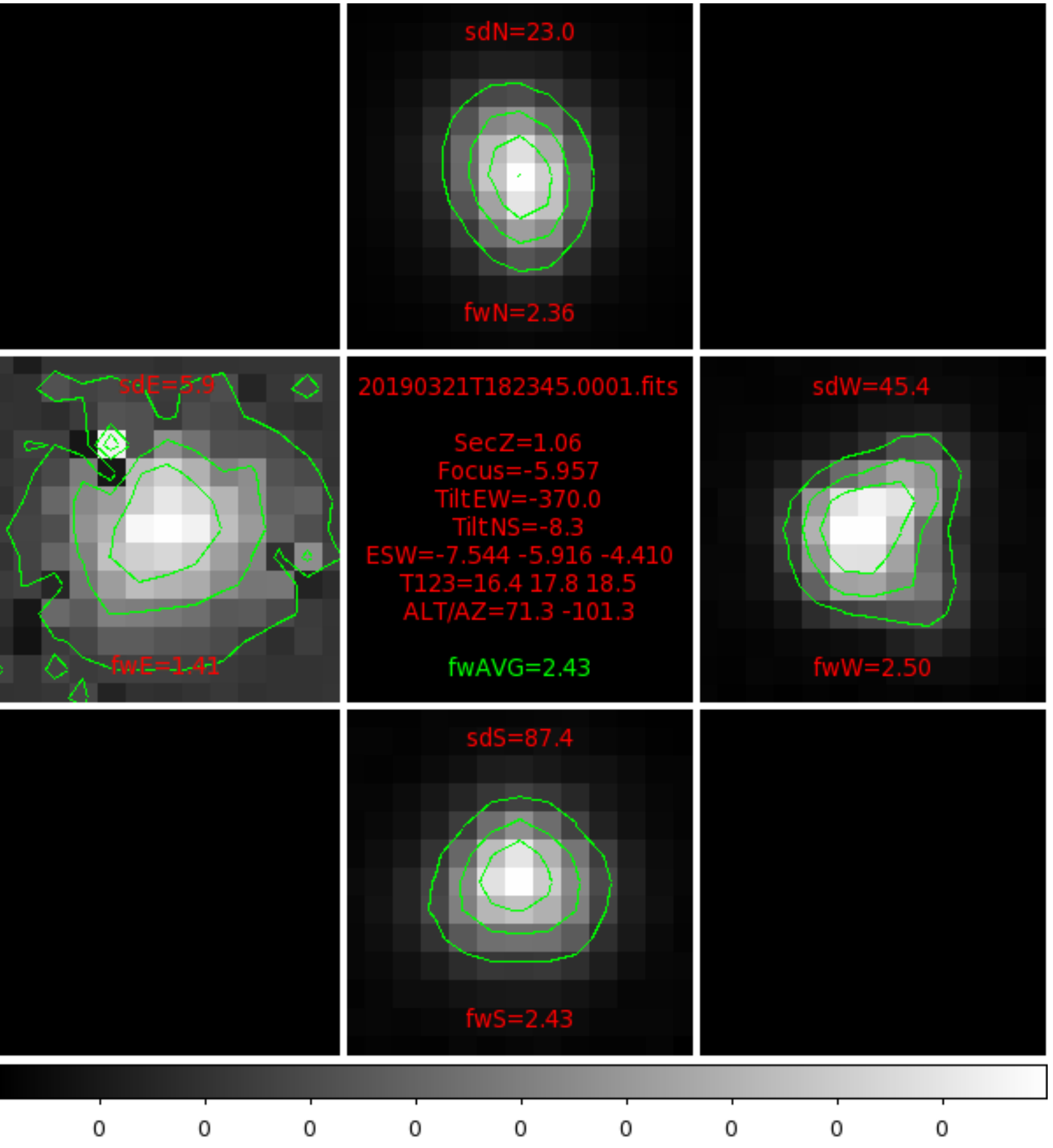
sdN=23.0
fwN=2.36
sdE=5.9
fwE=1.41
20190321T182345.0001.fits
SecZ=1.06
Focus=-5.957
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.544 -5.916 -4.410
T123=16.4 17.8 18.5
ALT/AZ=71.3 -101.3
fwAVG=2.43
sdW=45.4
fwW=2.50
sdS=87.4
fwS=2.43
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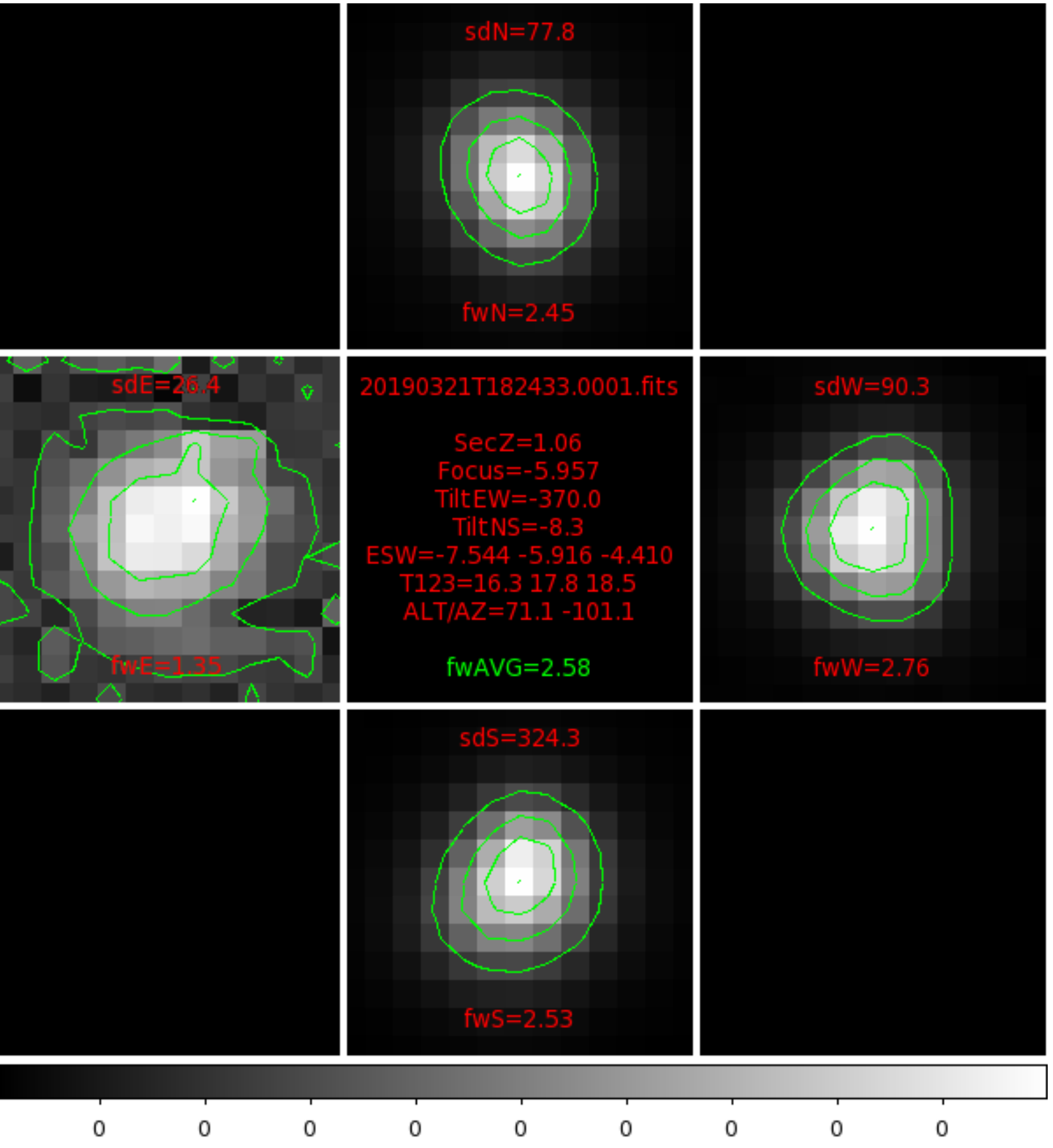
sdN=77.8
fwN=2.45
sdE=26.4
fwE=1.35
20190321T182433.0001.fits
SecZ=1.06
Focus=-5.957
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.544 -5.916 -4.410
T123=16.3 17.8 18.5
ALT/AZ=71.1 -101.1
fwAVG=2.58
sdW=90.3
fwW=2.76
sdS=324.3
fwS=2.53
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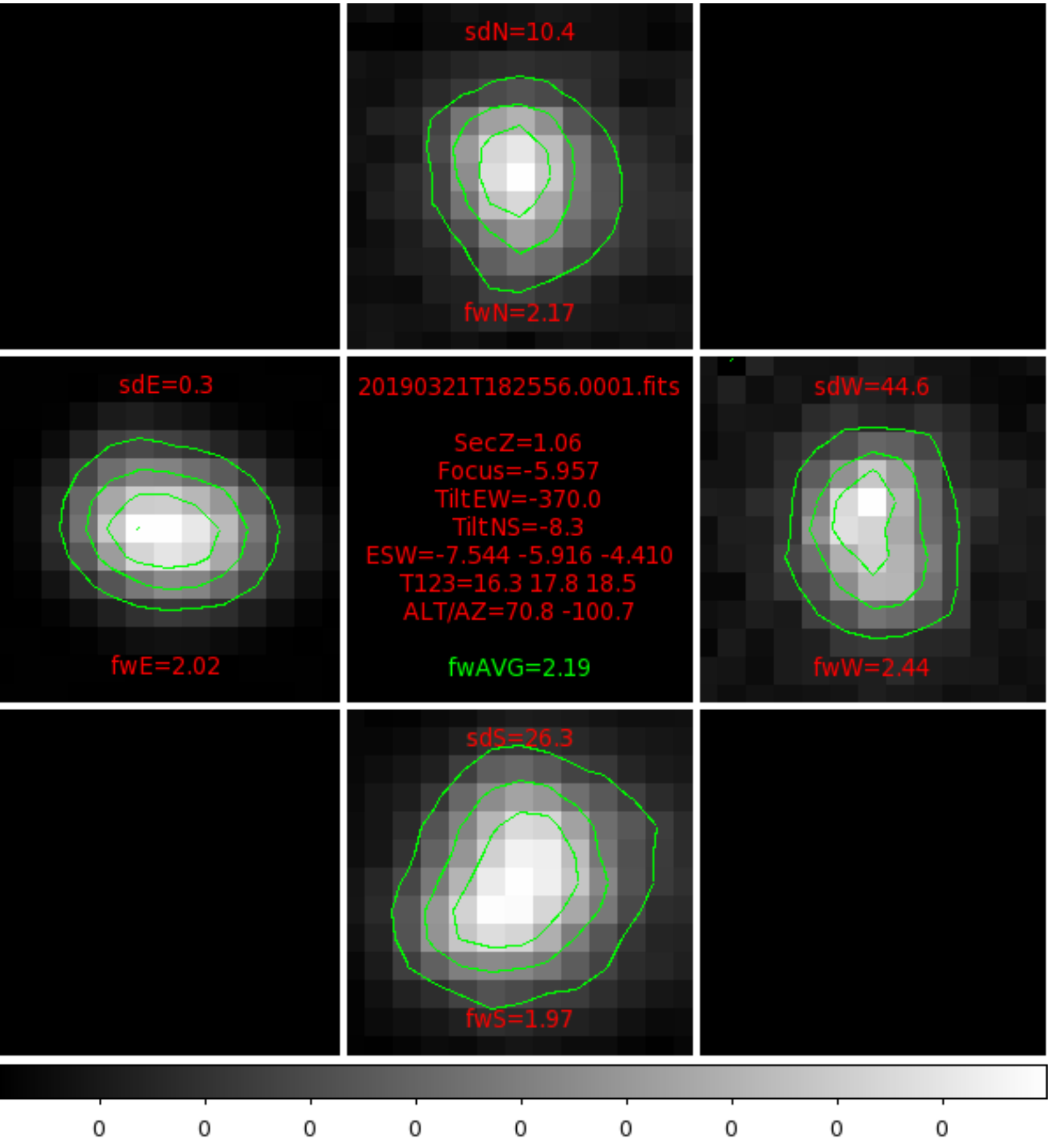
sdN=10.4
fwN=2.17
sdE=0.3
fwE=2.02
20190321T182556.0001.fits
SecZ=1.06
Focus=-5.957
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.544 -5.916 -4.410
T123=16.3 17.8 18.5
ALT/AZ=70.8 -100.7
fwAVG=2.19
sdW=44.6
fwW=2.44
sdS=26.3
fwS=1.97
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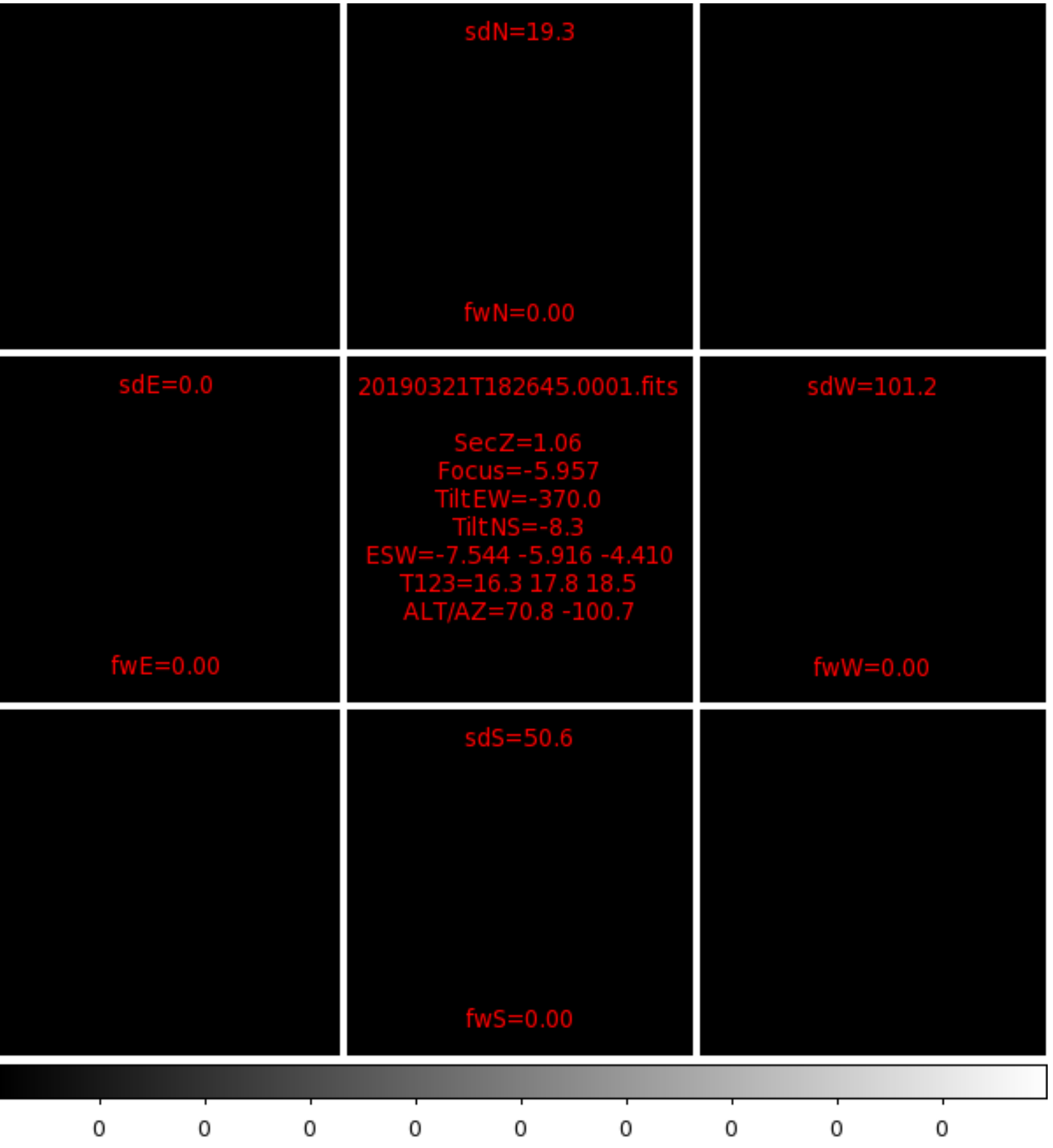
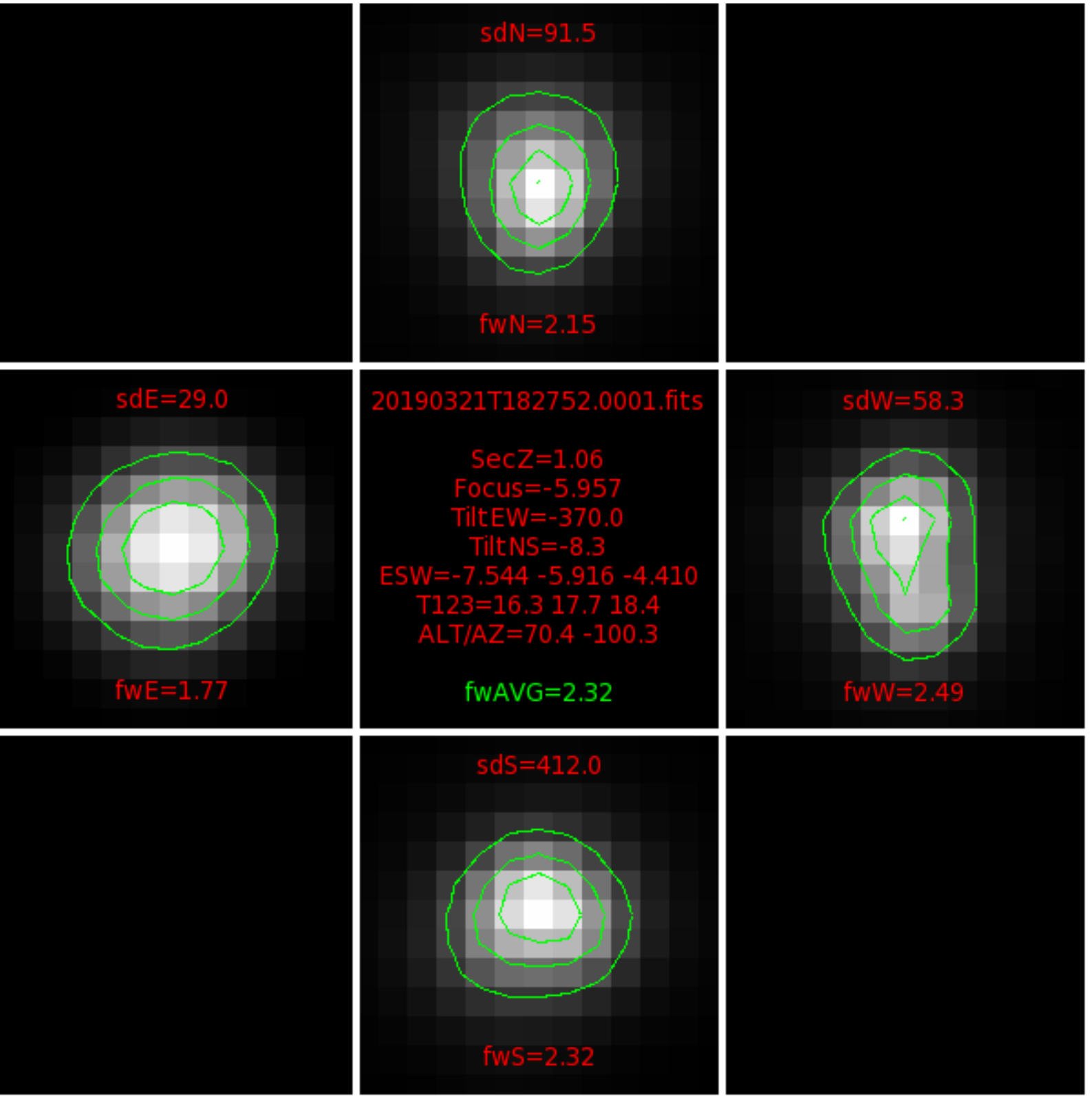

sdN=19.3
fwN=0.00
sdE=0.0
20190321T182645.0001.fits
SecZ=1.06
Focus=-5.957
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.544 -5.916 -4.410
T123=16.3 17.8 18.5
ALT/AZ=70.8 -100.7
sdW=101.2
fwE=0.00
fwW=0.00
sdS=50.6
fwS=0.00
0 0 0 0 0 0 0 0 0


sdN=91.5
fwN=2.15
sdE=29.0
fwE=1.77
20190321T182752.0001.fits
SecZ=1.06
Focus=-5.957
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.544 -5.916 -4.410
T123=16.3 17.7 18.4
ALT/AZ=70.4 -100.3
fwAVG=2.32
sdW=58.3
fwW=2.49
sdS=412.0
fwS=2.32
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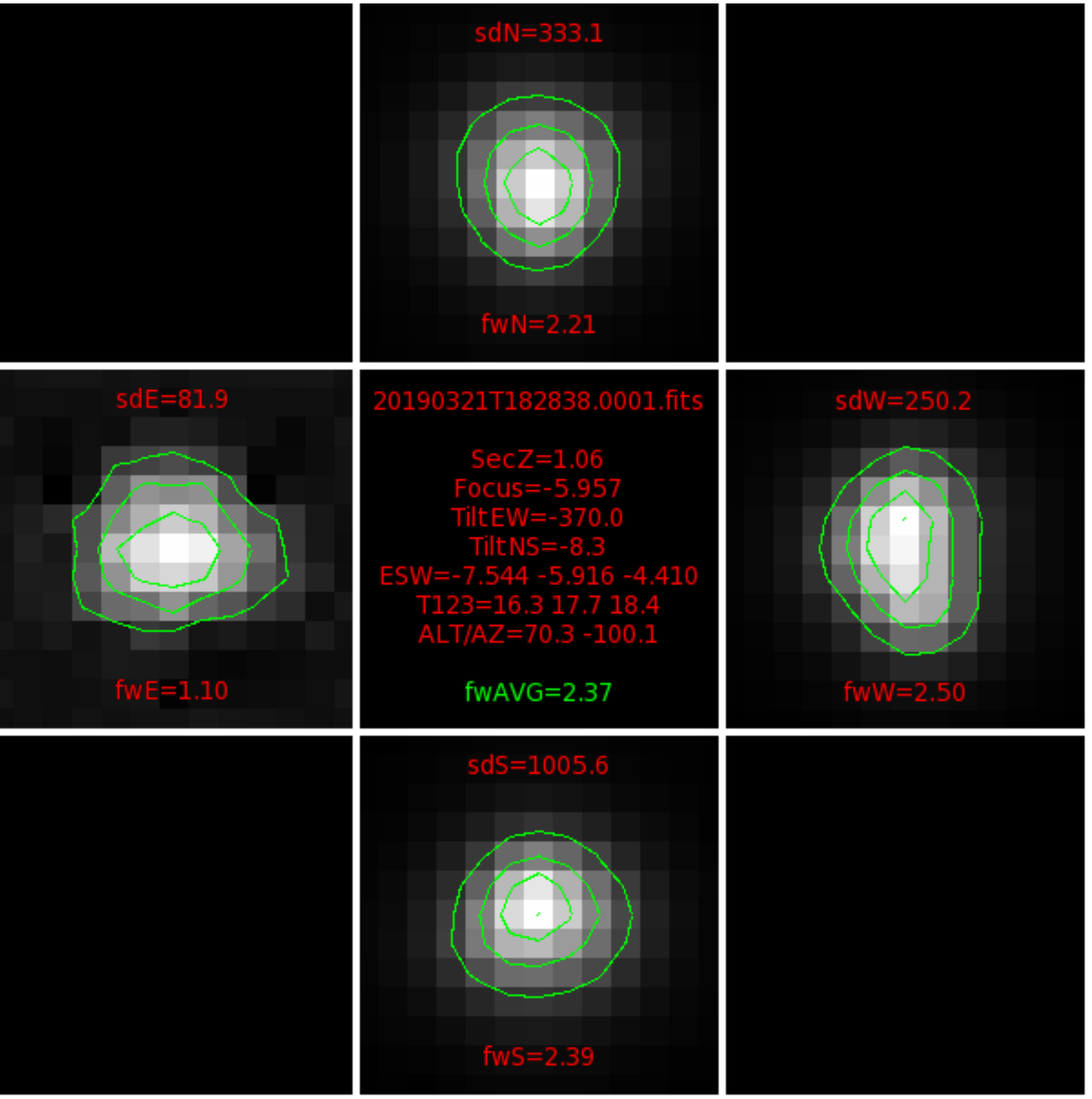
sdN=333.1
fwN=2.21
sdE=81.9
fwE=1.10
20190321T182838.0001.fits
SecZ=1.06
Focus=-5.957
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.544 -5.916 -4.410
T123=16.3 17.7 18.4
ALT/AZ=70.3 -100.1
fwAVG=2.37
sdW=250.2
fwW=2.50
sdS=1005.6
fwS=2.39
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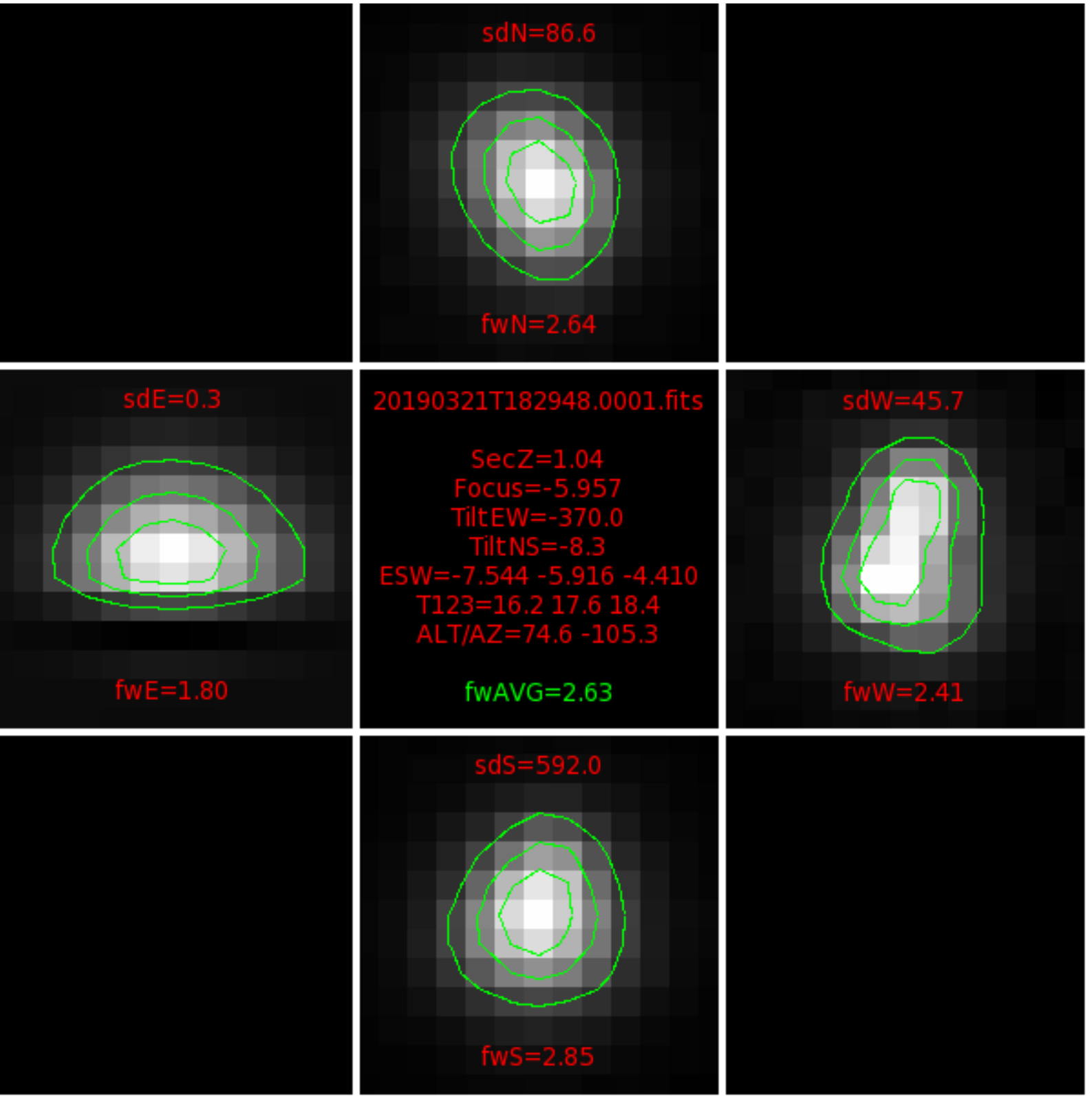
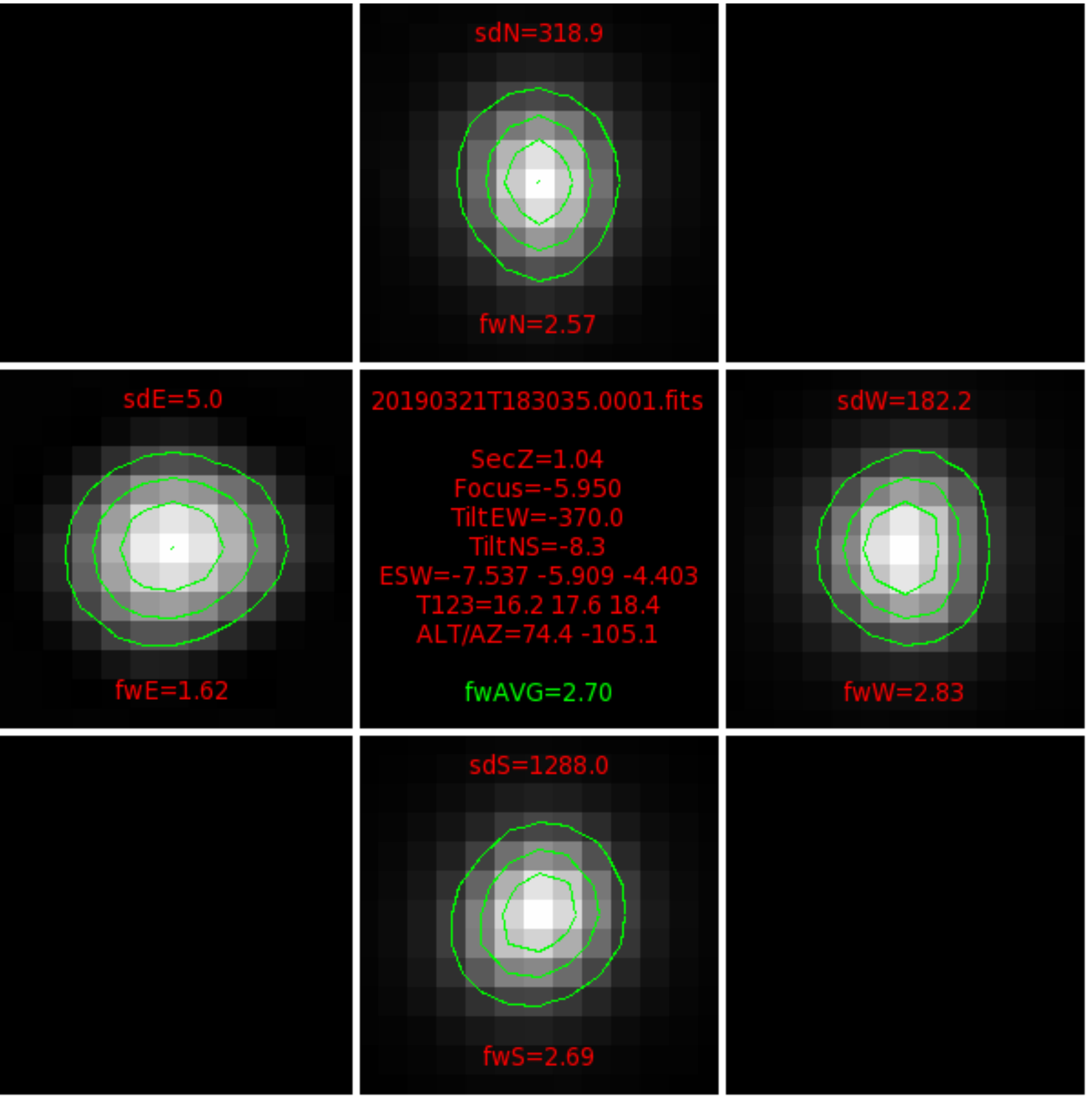
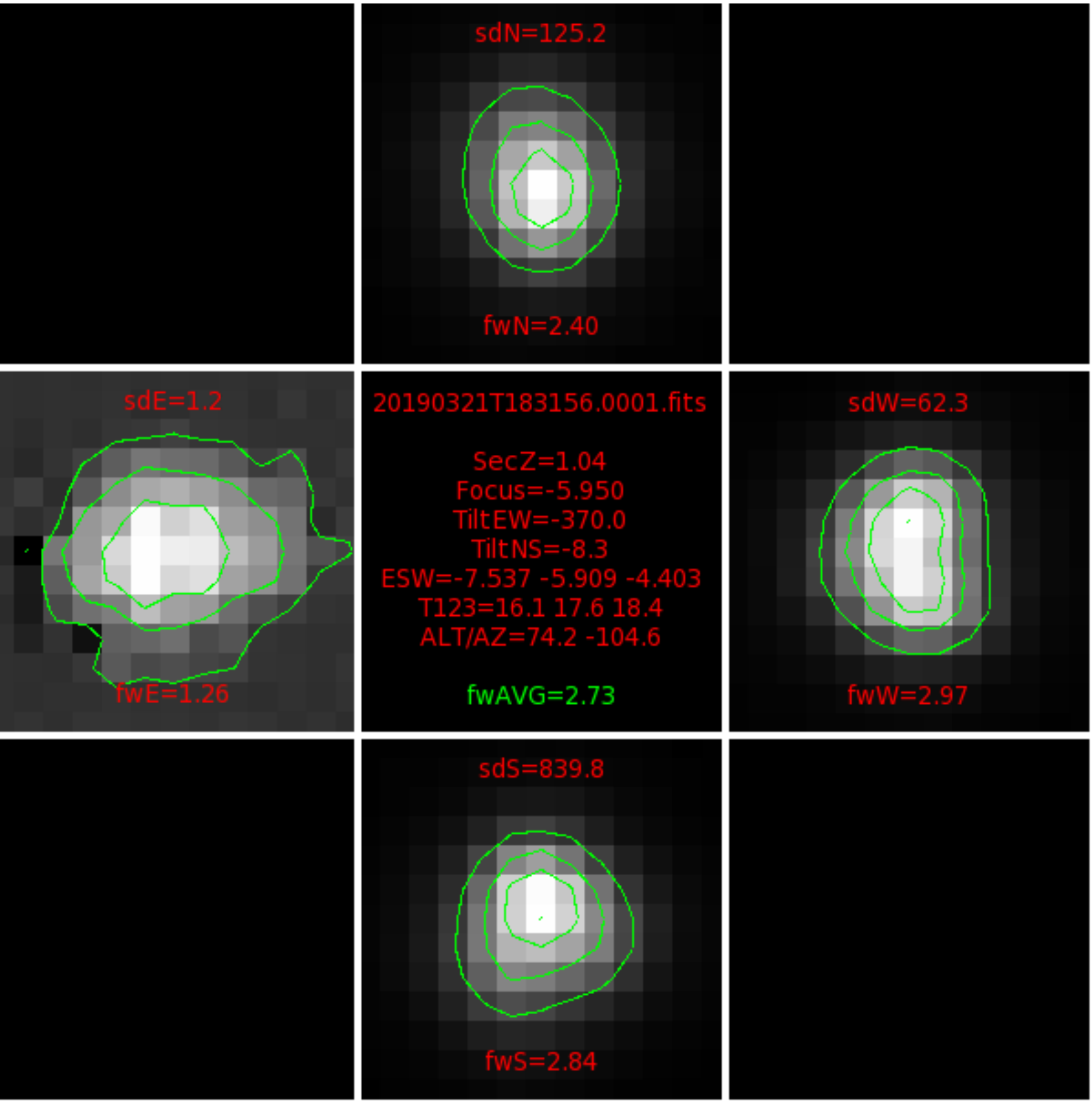
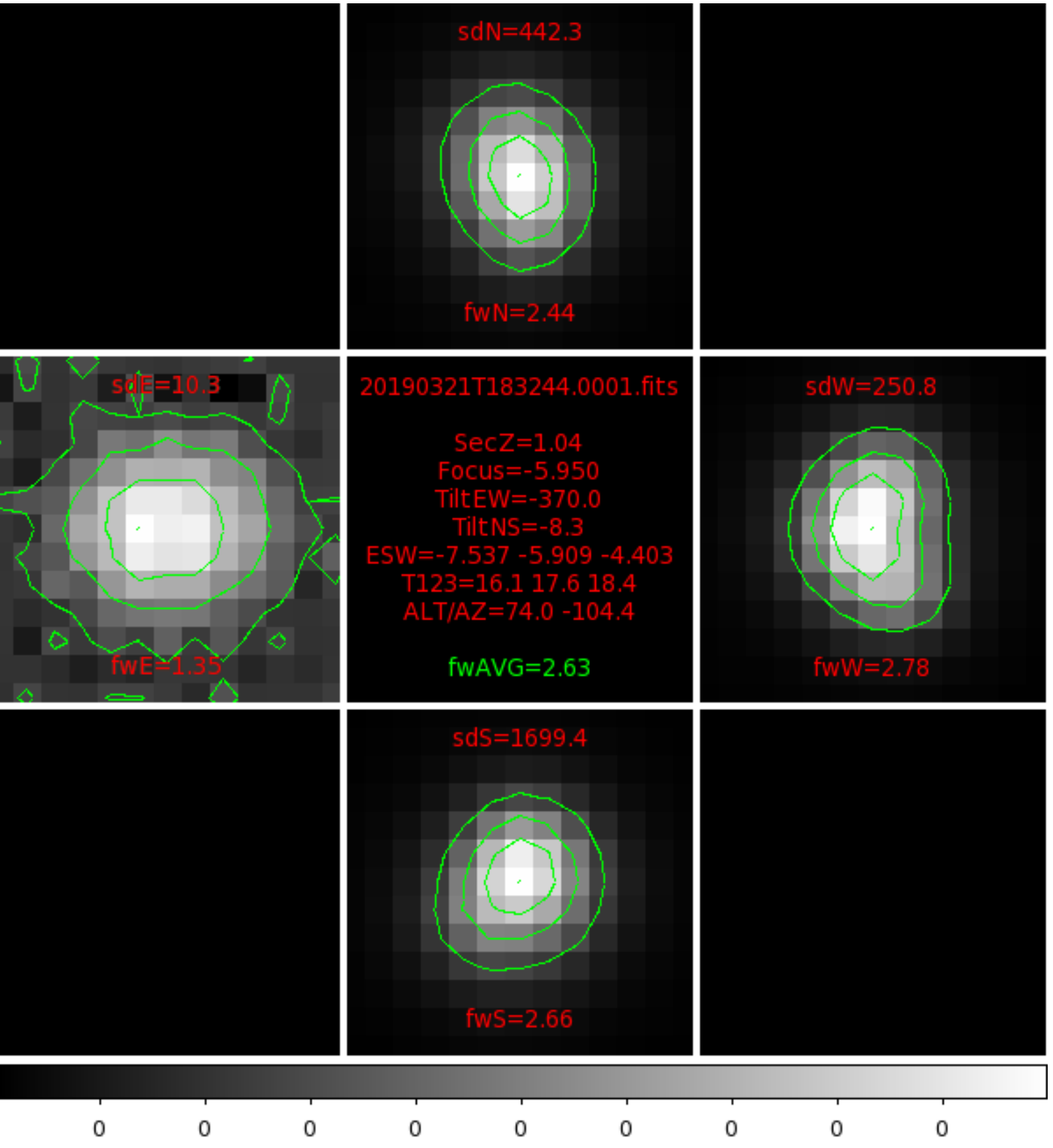

sdN=86.6
fwN=2.64
sdE=0.3
fwE=1.80
20190321T182948.0001.fits
SecZ=1.04
Focus=-5.957
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.544 -5.916 -4.410
T123=16.2 17.6 18.4
ALT/AZ=74.6 -105.3
fwAVG=2.63
sdW=45.7
fwW=2.41
sdS=592.0
fwS=2.85
0 0 0 0 0 0 0 0 0


sdN=318.9
fwN=2.57
sdE=5.0
fwE=1.62
20190321T183035.0001.fits
SecZ=1.04
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=16.2 17.6 18.4
ALT/AZ=74.4 -105.1
fwAVG=2.70
sdW=182.2
fwW=2.83
sdS=1288.0
fwS=2.69
0 0 0 0 0 0 0 0 0


sdN=125.2
fwN=2.40
sdE=1.2
fwE=1.26
20190321T183156.0001.fits
SecZ=1.04
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=16.1 17.6 18.4
ALT/AZ=74.2 -104.6
fwAVG=2.73
sdW=62.3
fwW=2.97
sdS=839.8
fwS=2.84
0 0 0 0 0 0 0 0 0


sdN=442.3
fwN=2.44
sdE=10.3
fwE=1.35
20190321T183244.0001.fits
SecZ=1.04
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=16.1 17.6 18.4
ALT/AZ=74.0 -104.4
fwAVG=2.63
sdW=250.8
fwW=2.78
sdS=1699.4
fwS=2.66
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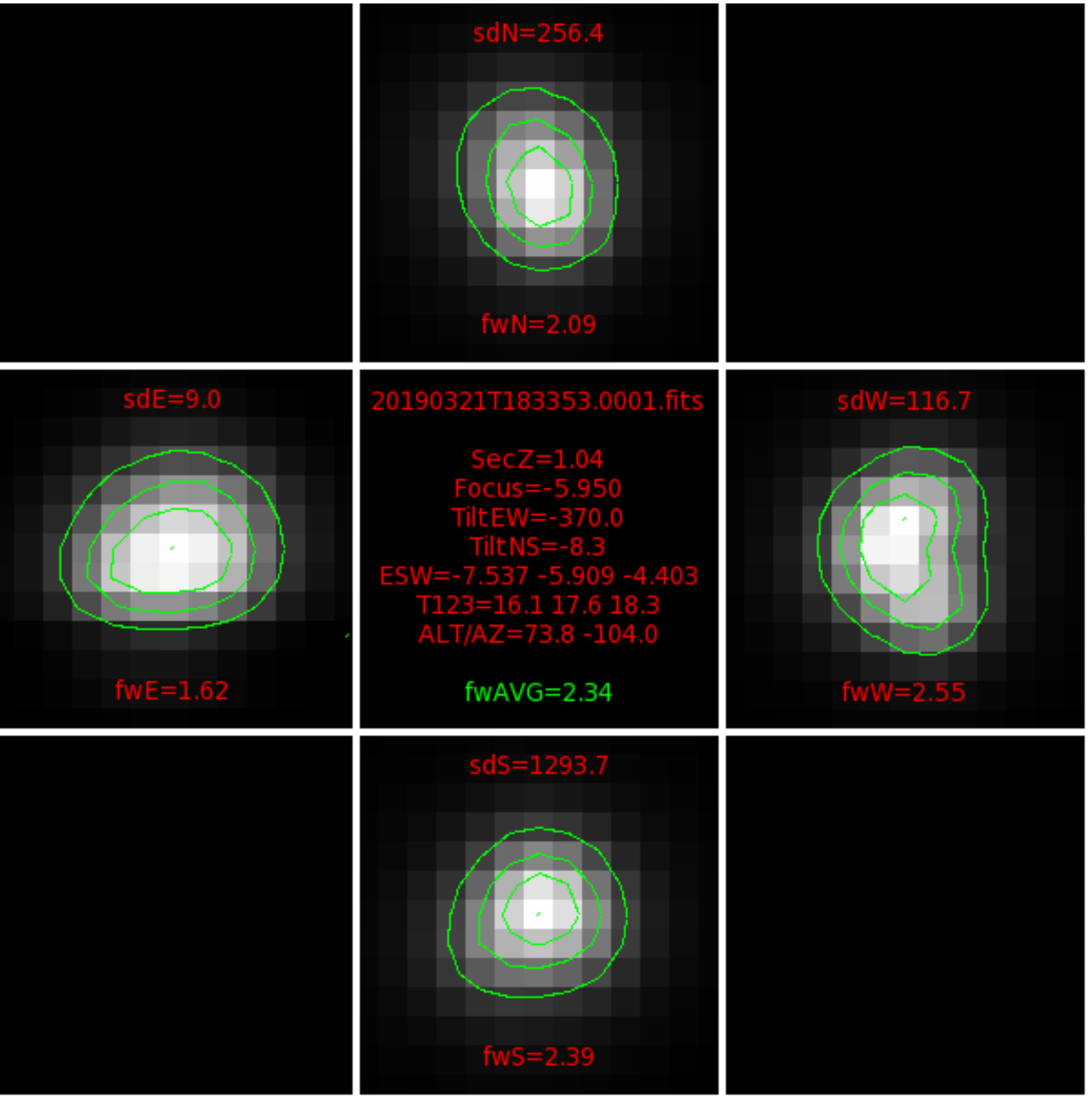
sdN=256.4
fwN=2.09
sdE=9.0
fwE=1.62
20190321T183353.0001.fits
SecZ=1.04
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=16.1 17.6 18.3
ALT/AZ=73.8 -104.0
fwAVG=2.34
sdW=116.7
fwW=2.55
sdS=1293.7
fwS=2.39
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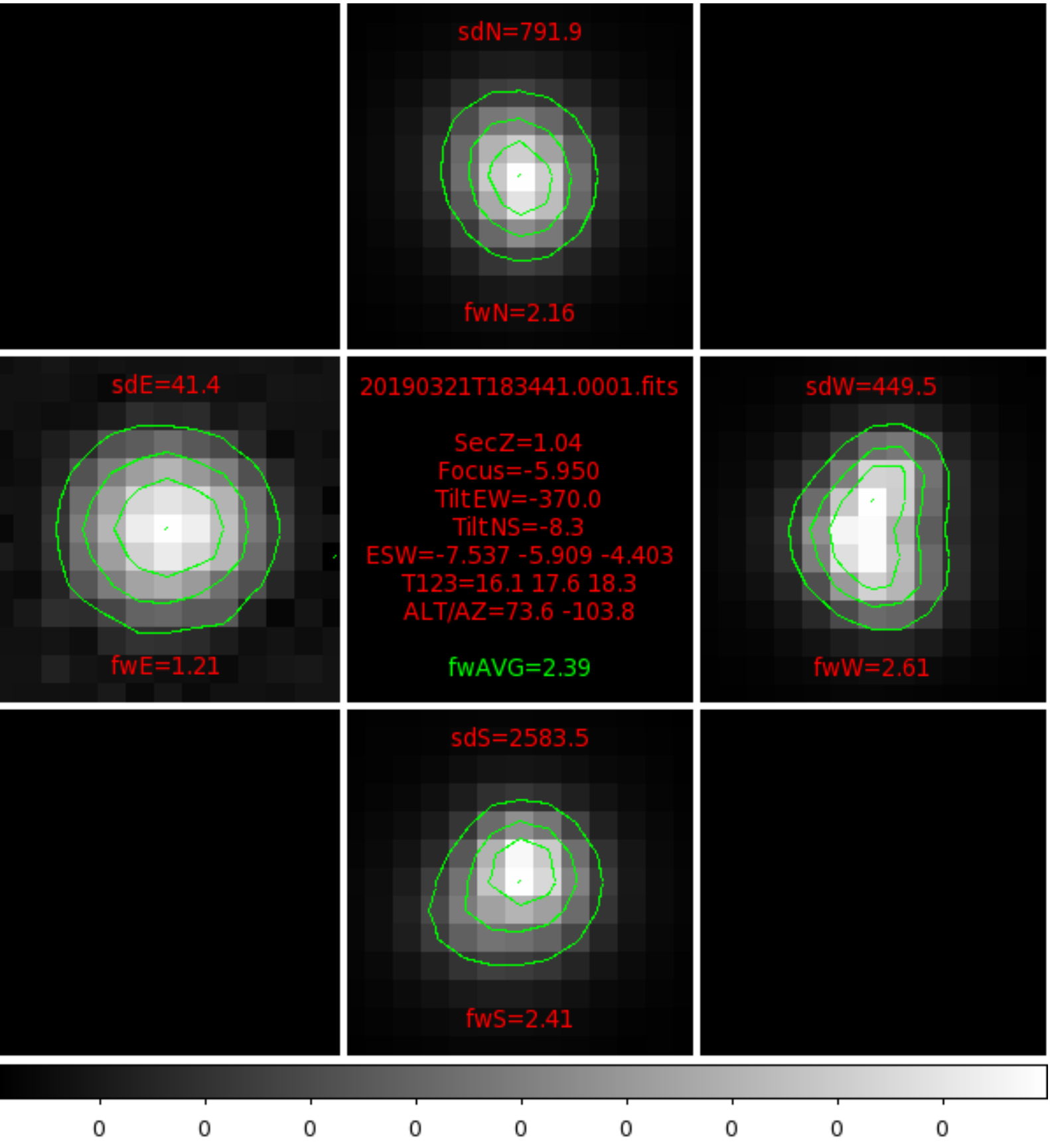
sdN=791.9
fwN=2.16
sdE=41.4
fwE=1.21
20190321T183441.0001.fits
SecZ=1.04
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=16.1 17.6 18.3
ALT/AZ=73.6 -103.8
fwAVG=2.39
sdW=449.5
fwW=2.61
sdS=2583.5
fwS=2.41
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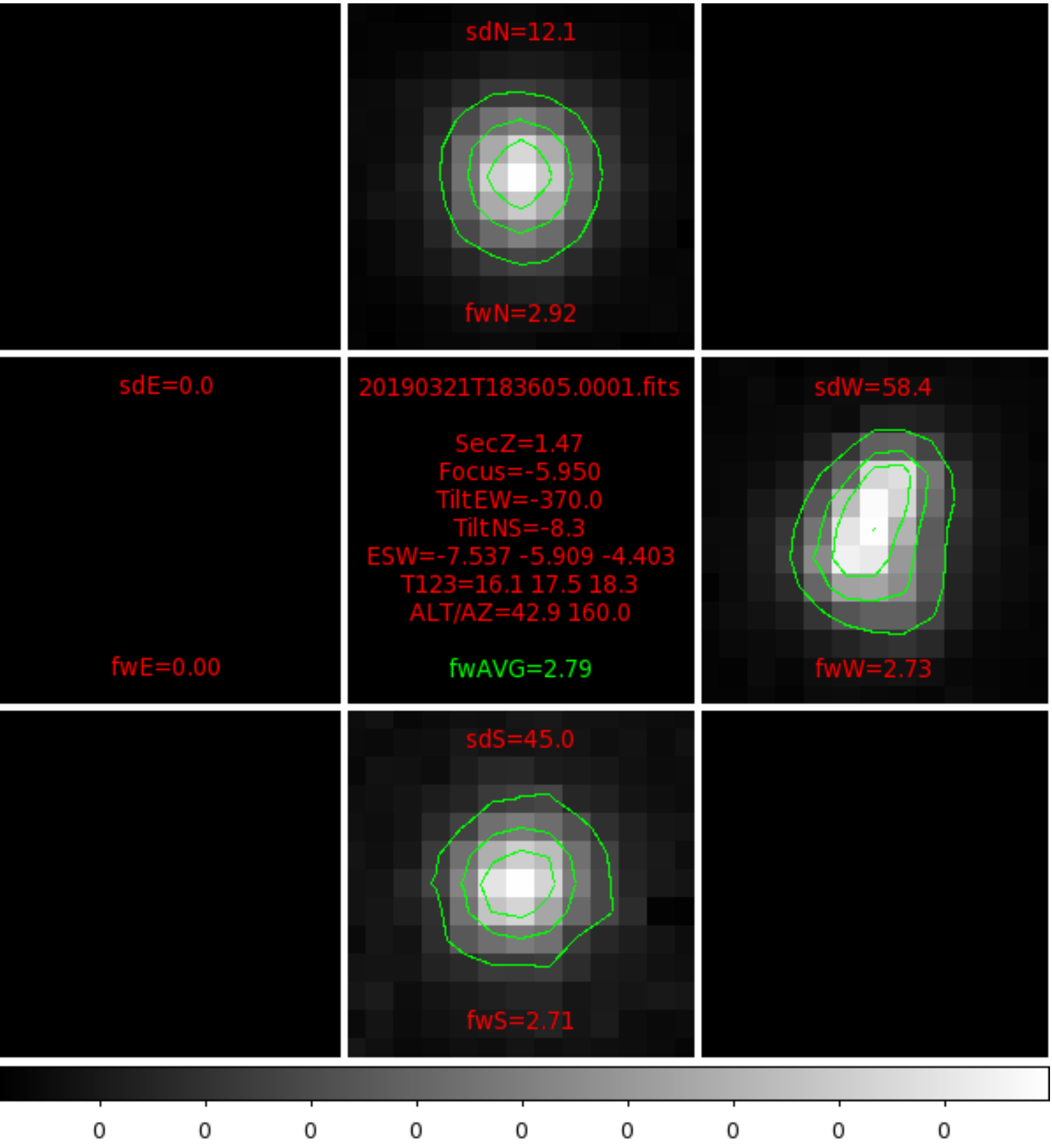
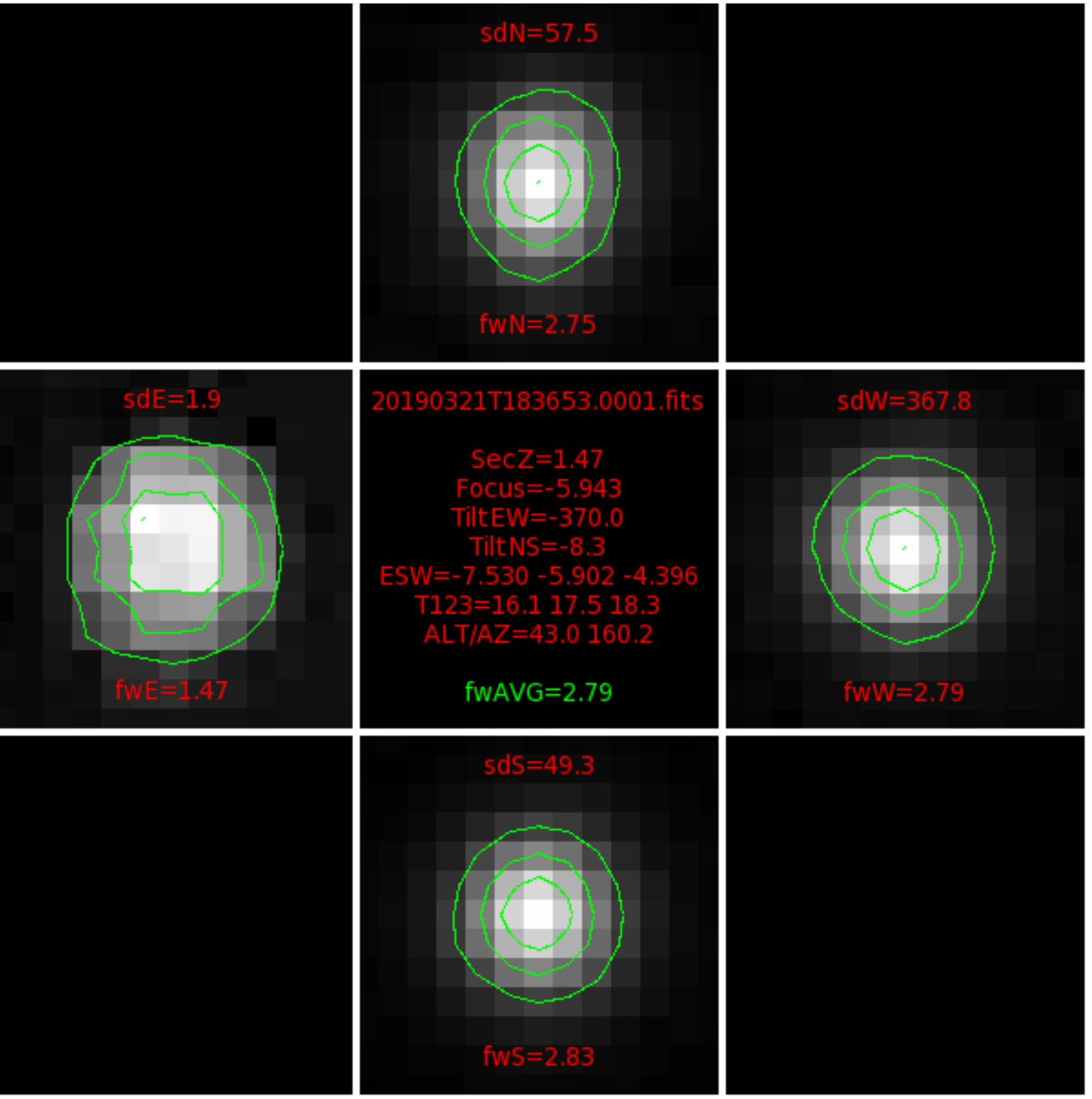

sdN=12.1
fwN=2.92
sdE=0.0
fwE=0.00
20190321T183605.0001.fits
SecZ=1.47
Focus=-5.950
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.537 -5.909 -4.403
T123=16.1 17.5 18.3
ALT/AZ=42.9 160.0
fwAVG=2.79
sdW=58.4
fwW=2.73
sdS=45.0
fwS=2.71
0 0 0 0 0 0 0 0 0


sdN=57.5
fwN=2.75
sdE=1.9
fwE=1.47
20190321T183653.0001.fits
SecZ=1.47
Focus=-5.943
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.530 -5.902 -4.396
T123=16.1 17.5 18.3
ALT/AZ=43.0 160.2
fwAVG=2.79
sdW=367.8
fwW=2.79
sdS=49.3
fwS=2.83
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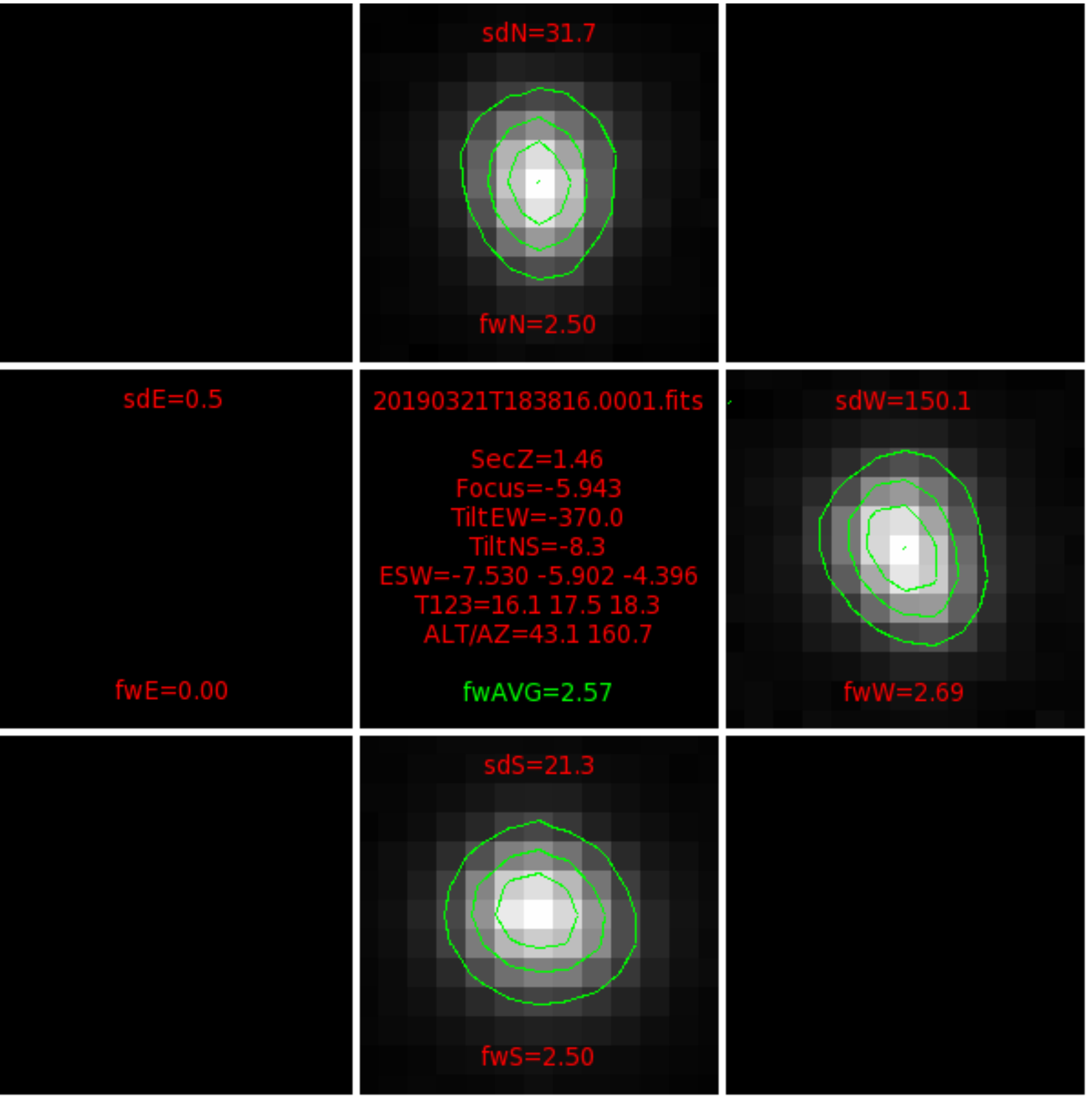
sdN=31.7
fwN=2.50
sdE=0.5
fwE=0.00
20190321T183816.0001.fits
SecZ=1.46
Focus=-5.943
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.530 -5.902 -4.396
T123=16.1 17.5 18.3
ALT/AZ=43.1 160.7
fwAVG=2.57
sdW=150.1
fwW=2.69
sdS=21.3
fwS=2.50
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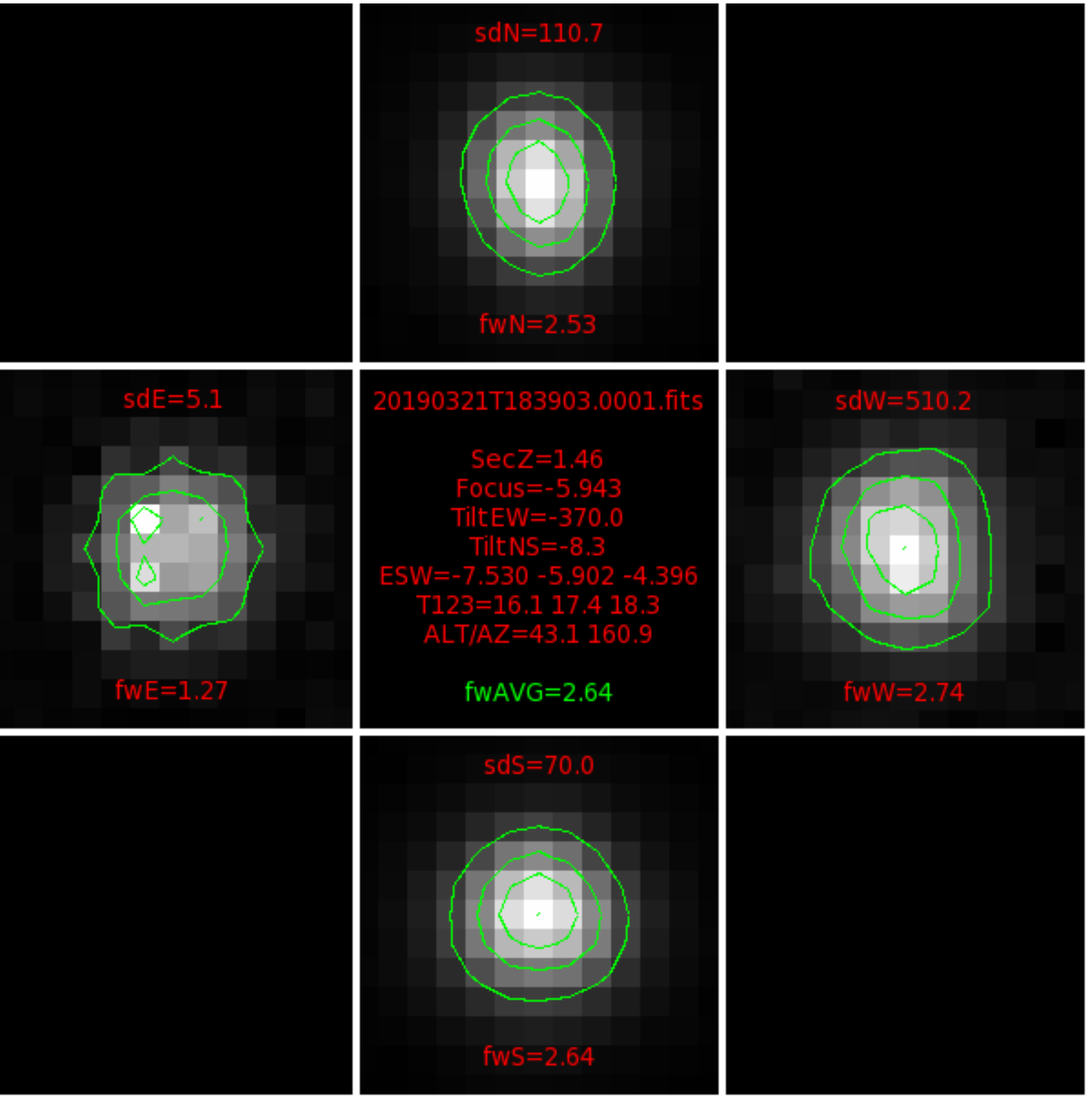
sdN=110.7
fwN=2.53
sdE=5.1
fwE=1.27
20190321T183903.0001.fits
SecZ=1.46
Focus=-5.943
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.530 -5.902 -4.396
T123=16.1 17.4 18.3
ALT/AZ=43.1 160.9
fwAVG=2.64
sdW=510.2
fwW=2.74
sdS=70.0
fwS=2.64
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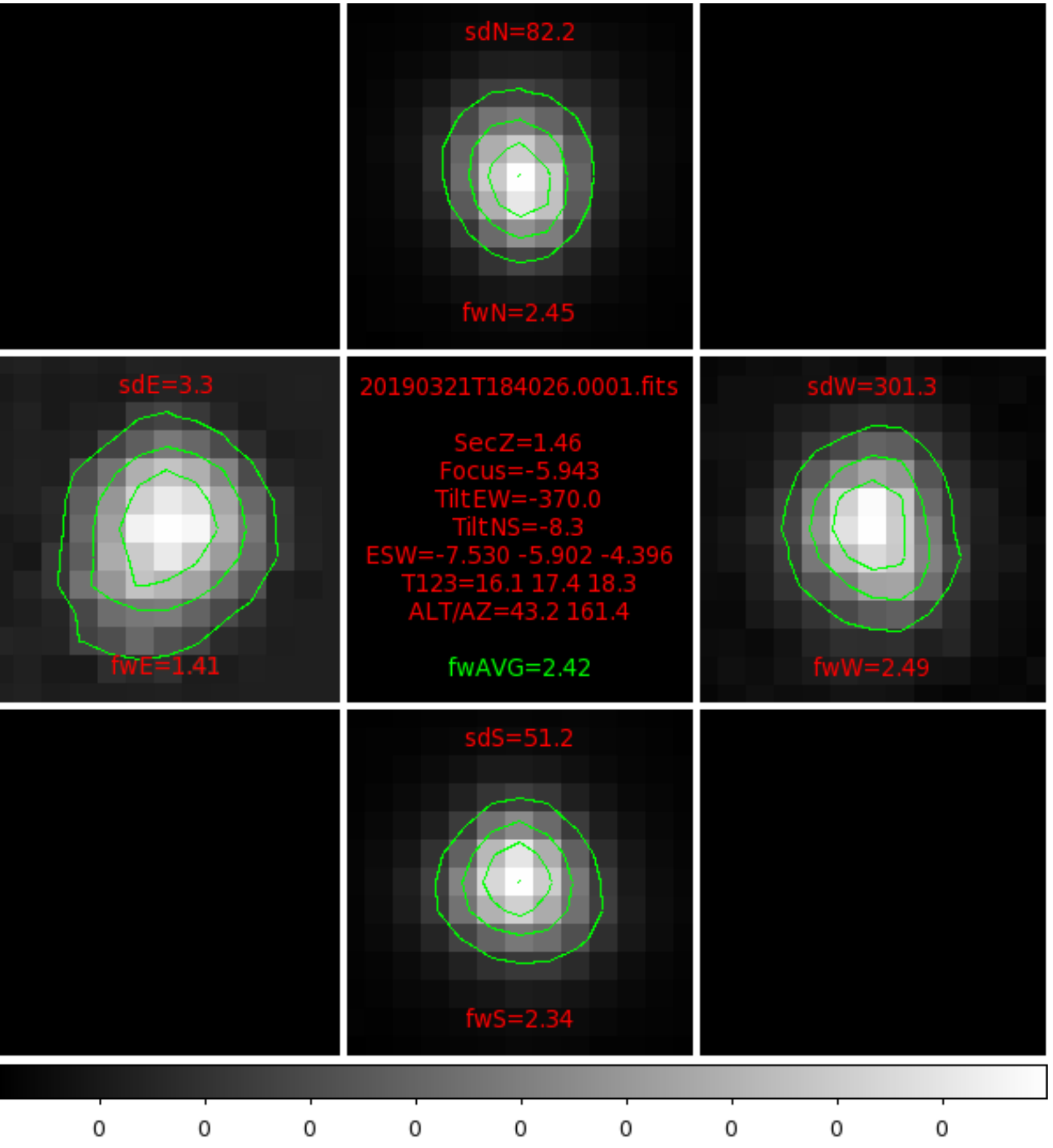
sdN=82.2
fwN=2.45
sdE=3.3
fwE=1.41
20190321T184026.0001.fits
SecZ=1.46
Focus=-5.943
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.530 -5.902 -4.396
T123=16.1 17.4 18.3
ALT/AZ=43.2 161.4
fwAVG=2.42
sdW=301.3
fwW=2.49
sdS=51.2
fwS=2.34
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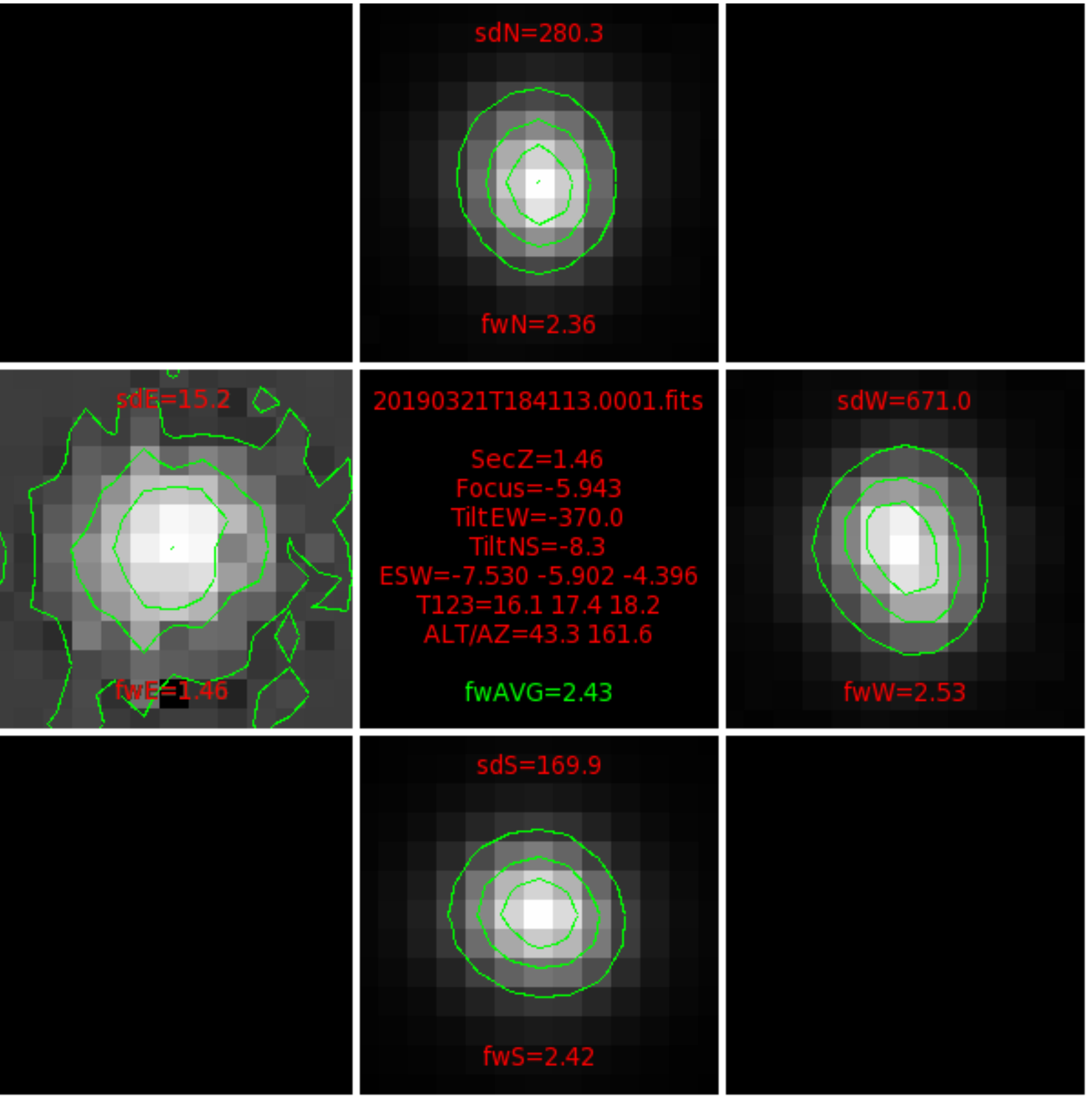
sdN=280.3
fwN=2.36
sdE=15.2
fwE=1.46
20190321T184113.0001.fits
SecZ=1.46
Focus=-5.943
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.530 -5.902 -4.396
T123=16.1 17.4 18.2
ALT/AZ=43.3 161.6
fwAVG=2.43
sdW=671.0
fwW=2.53
sdS=169.9
fwS=2.42
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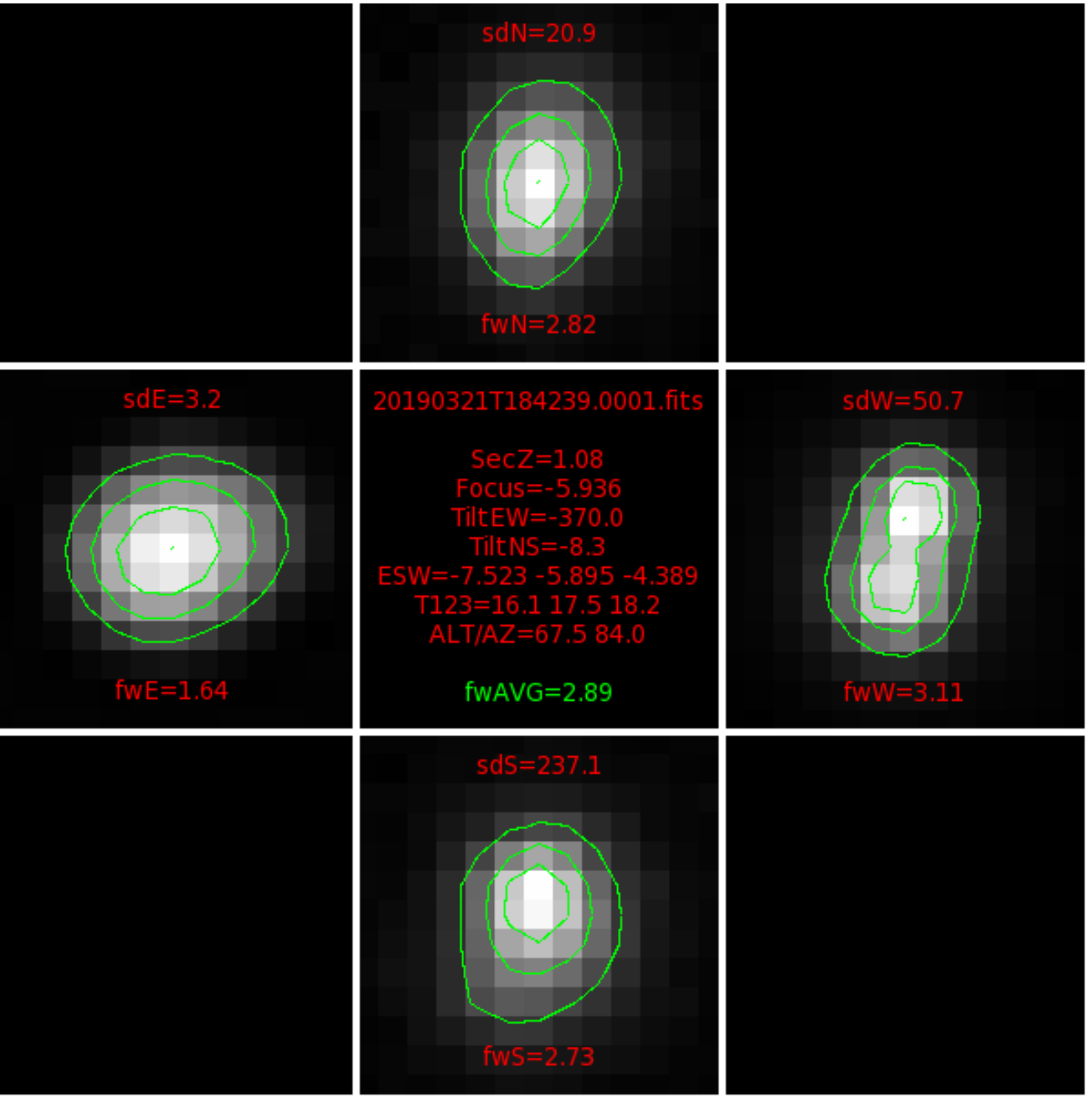
sdN=20.9
fwN=2.82
sdE=3.2
fwE=1.64
20190321T184239.0001.fits
SecZ=1.08
Focus=-5.936
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.523 -5.895 -4.389
T123=16.1 17.5 18.2
ALT/AZ=67.5 84.0
fwAVG=2.89
sdW=50.7
fwW=3.11
sdS=237.1
fwS=2.73
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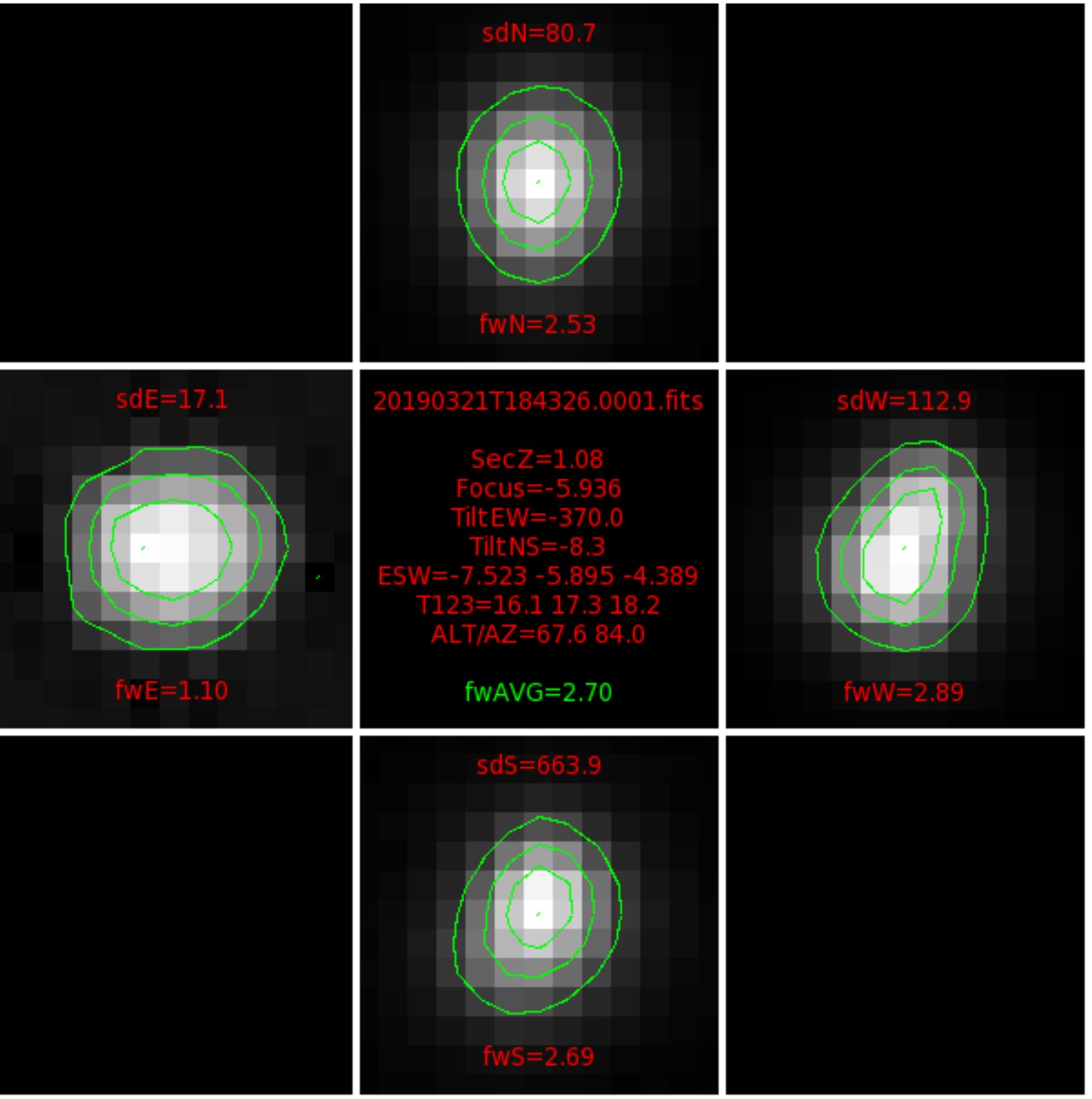
sdN=80.7
fwN=2.53
sdE=17.1
fwE=1.10
20190321T184326.0001.fits
SecZ=1.08
Focus=-5.936
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.523 -5.895 -4.389
T123=16.1 17.3 18.2
ALT/AZ=67.6 84.0
fwAVG=2.70
sdW=112.9
fwW=2.89
sdS=663.9
fwS=2.69
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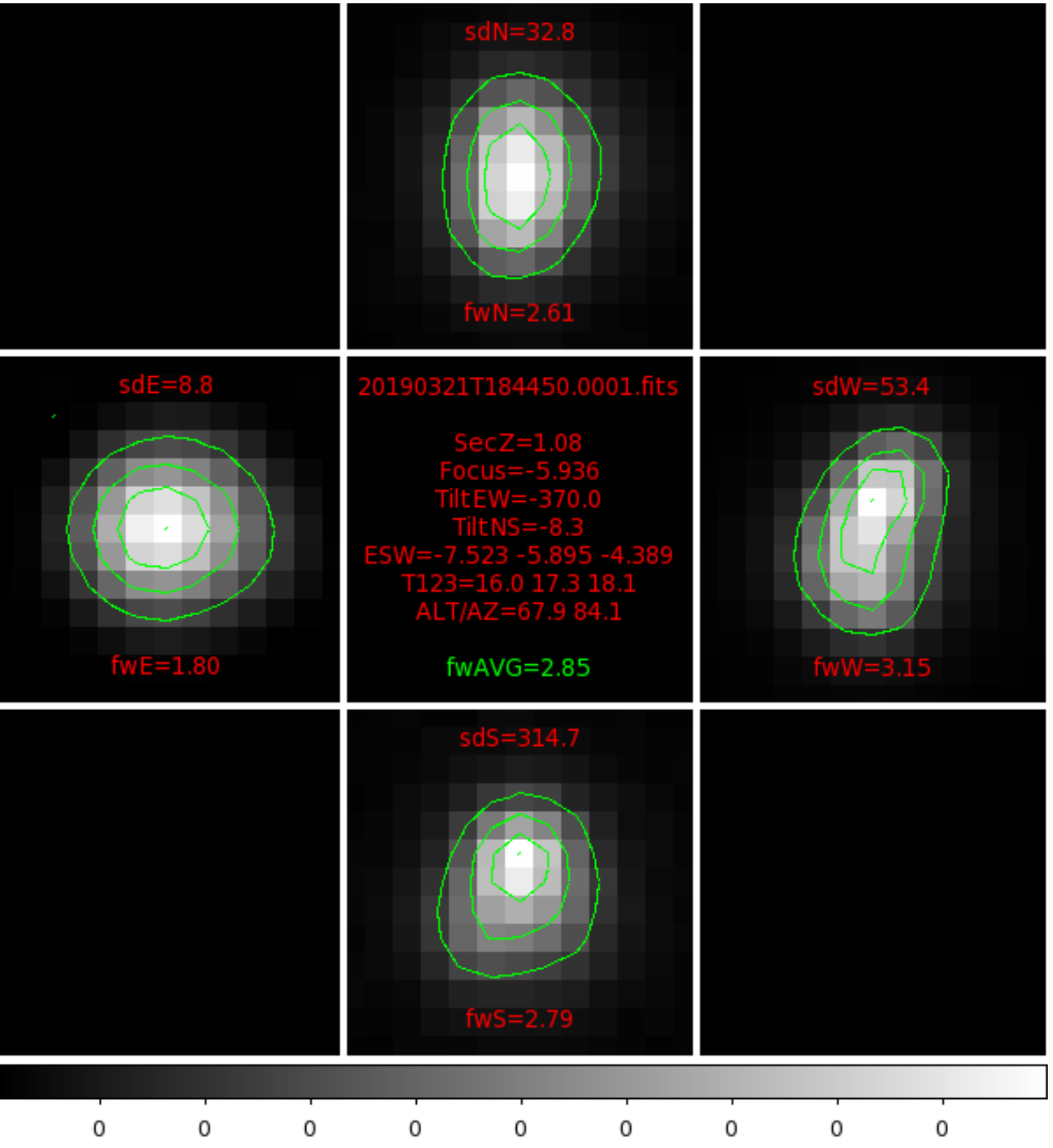
sdN=32.8
fwN=2.61
sdE=8.8
fwE=1.80
20190321T184450.0001.fits
SecZ=1.08
Focus=-5.936
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.523 -5.895 -4.389
T123=16.0 17.3 18.1
ALT/AZ=67.9 84.1
fwAVG=2.85
sdW=53.4
fwW=3.15
sdS=314.7
fwS=2.79
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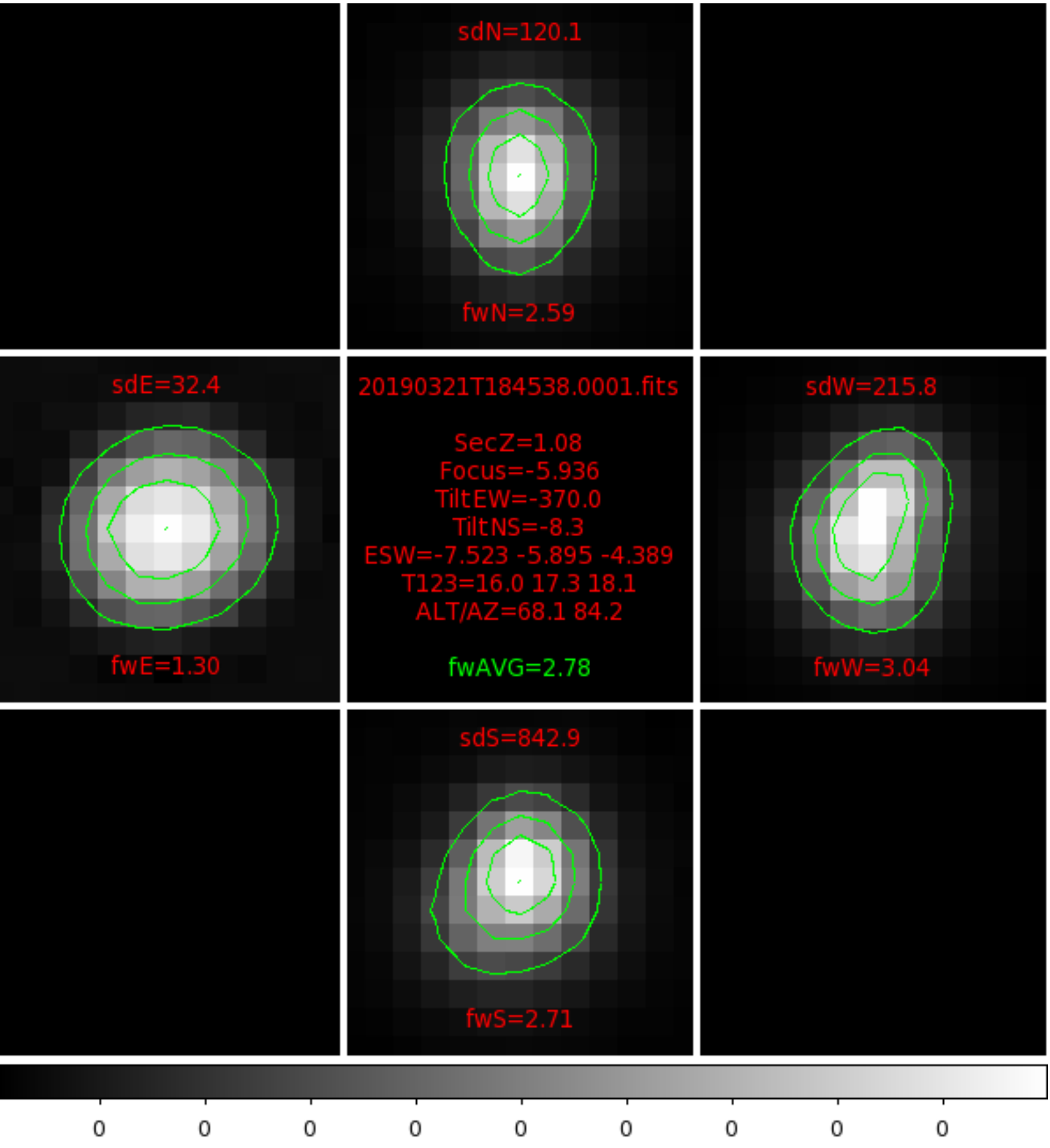
sdN=120.1
fwN=2.59
sdE=32.4
fwE=1.30
20190321T184538.0001.fits
SecZ=1.08
Focus=-5.936
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.523 -5.895 -4.389
T123=16.0 17.3 18.1
ALT/AZ=68.1 84.2
fwAVG=2.78
sdW=215.8
fwW=3.04
sdS=842.9
fwS=2.71
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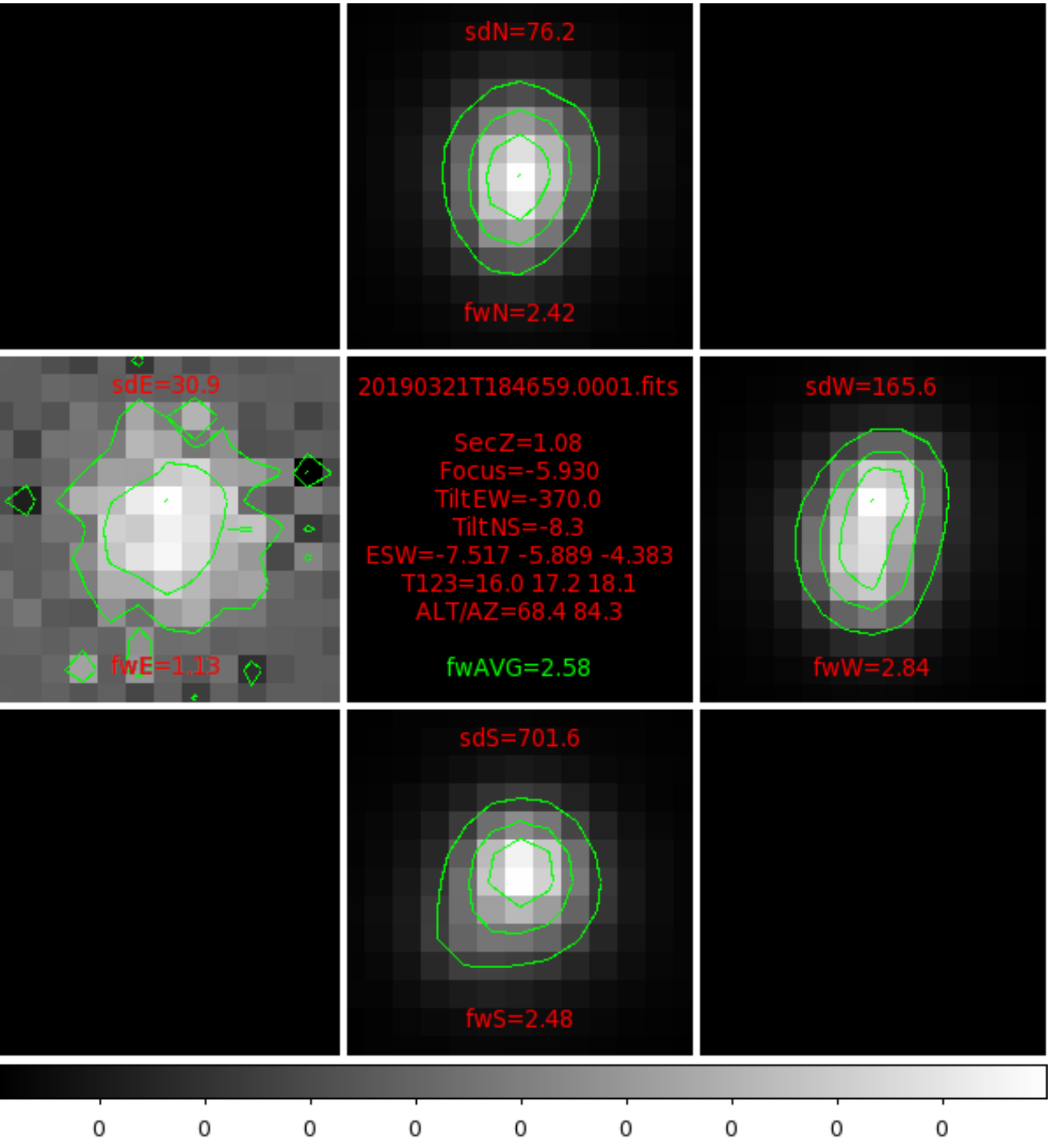
sdN=76.2
fwN=2.42
sdE=30.9
fwE=1.13
20190321T184659.0001.fits
SecZ=1.08
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=16.0 17.2 18.1
ALT/AZ=68.4 84.3
fwAVG=2.58
sdW=165.6
fwW=2.84
sdS=701.6
fwS=2.48
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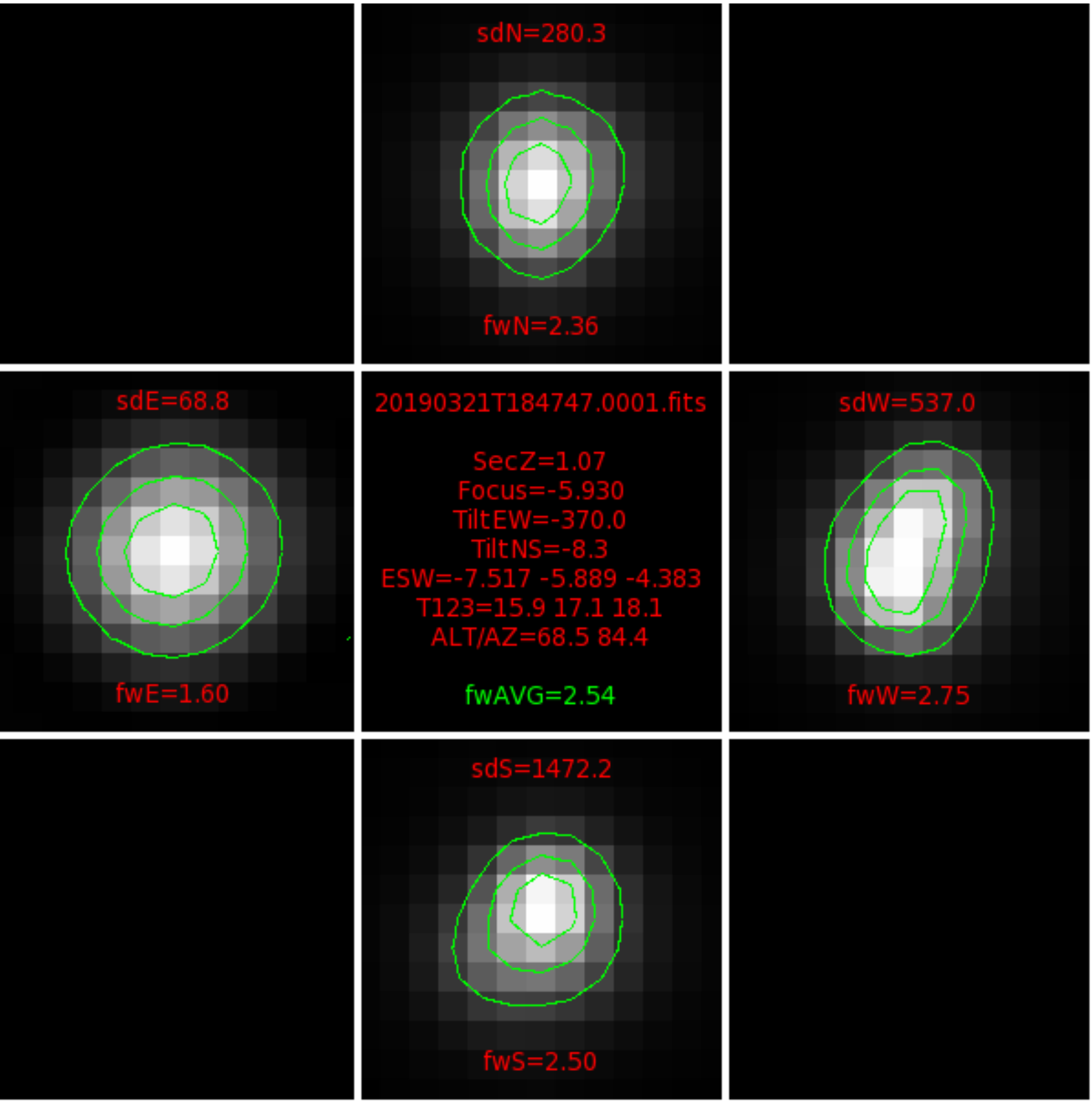
sdN=280.3
fwN=2.36
sdE=68.8
fwE=1.60
20190321T184747.0001.fits
SecZ=1.07
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=15.9 17.1 18.1
ALT/AZ=68.5 84.4
fwAVG=2.54
sdW=537.0
fwW=2.75
sdS=1472.2
fwS=2.50
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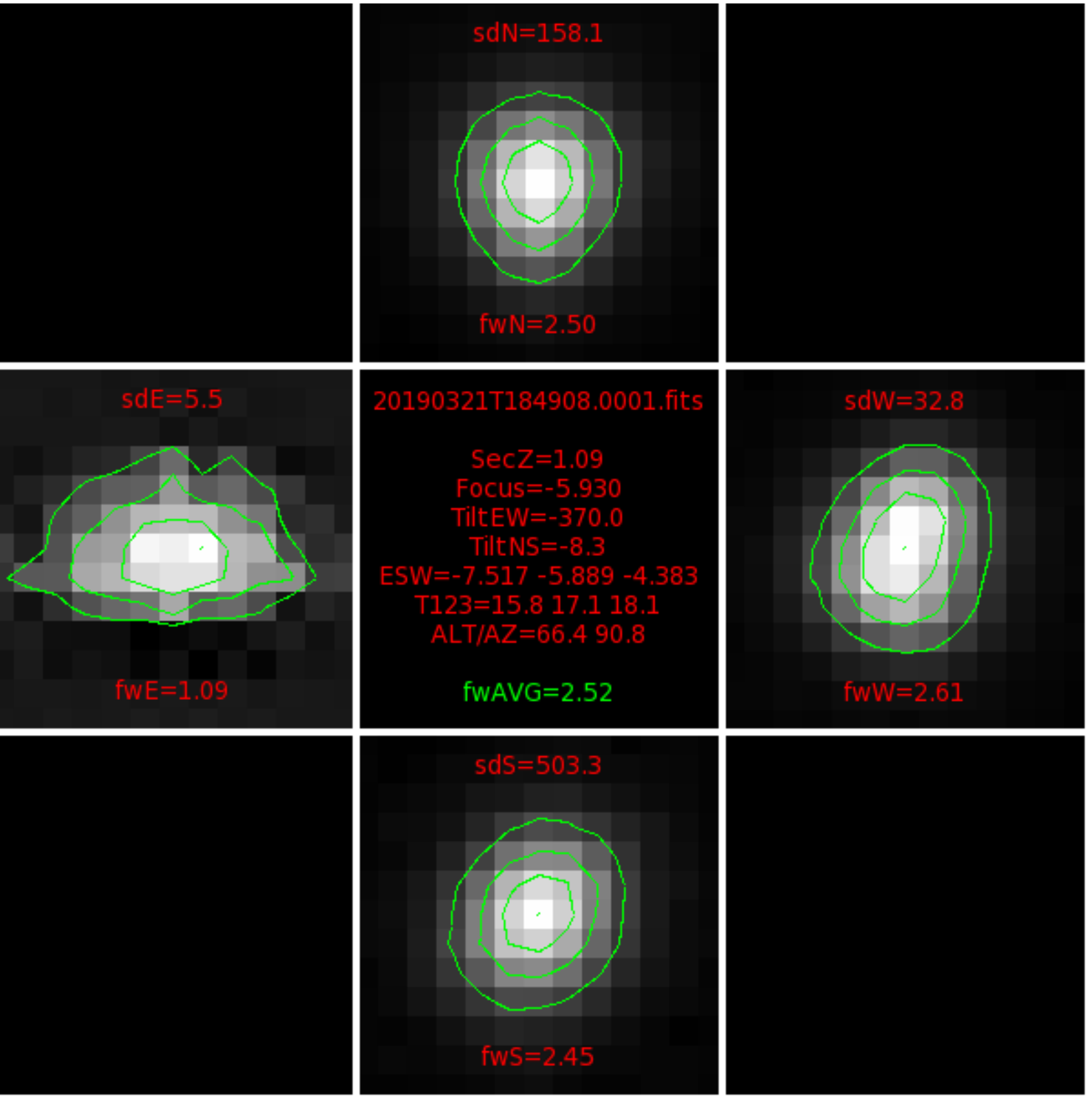
sdN=158.1
fwN=2.50
sdE=5.5
fwE=1.09
20190321T184908.0001.fits
SecZ=1.09
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=15.8 17.1 18.1
ALT/AZ=66.4 90.8
fwAVG=2.52
sdW=32.8
fwW=2.61
sdS=503.3
fwS=2.45
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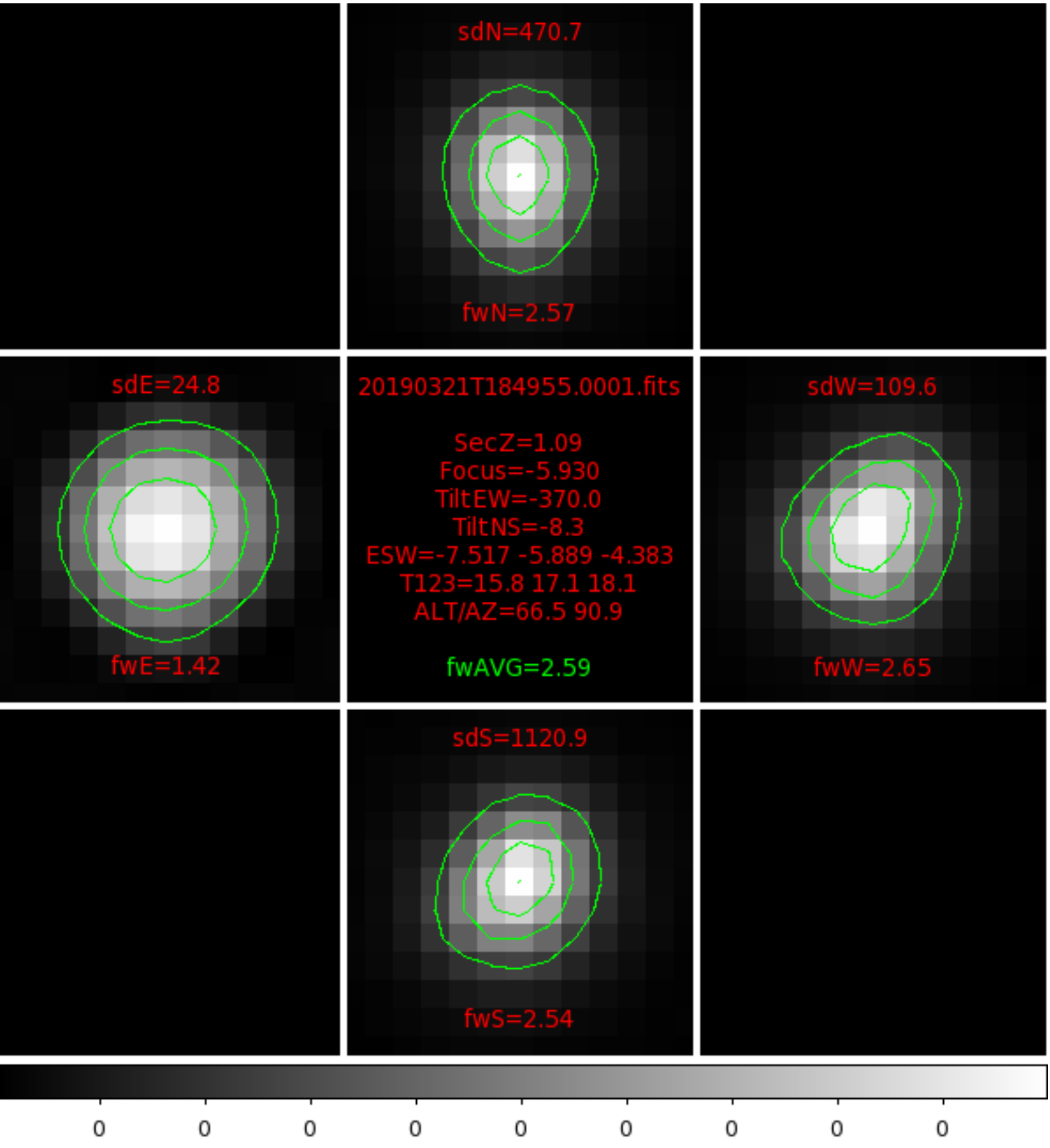
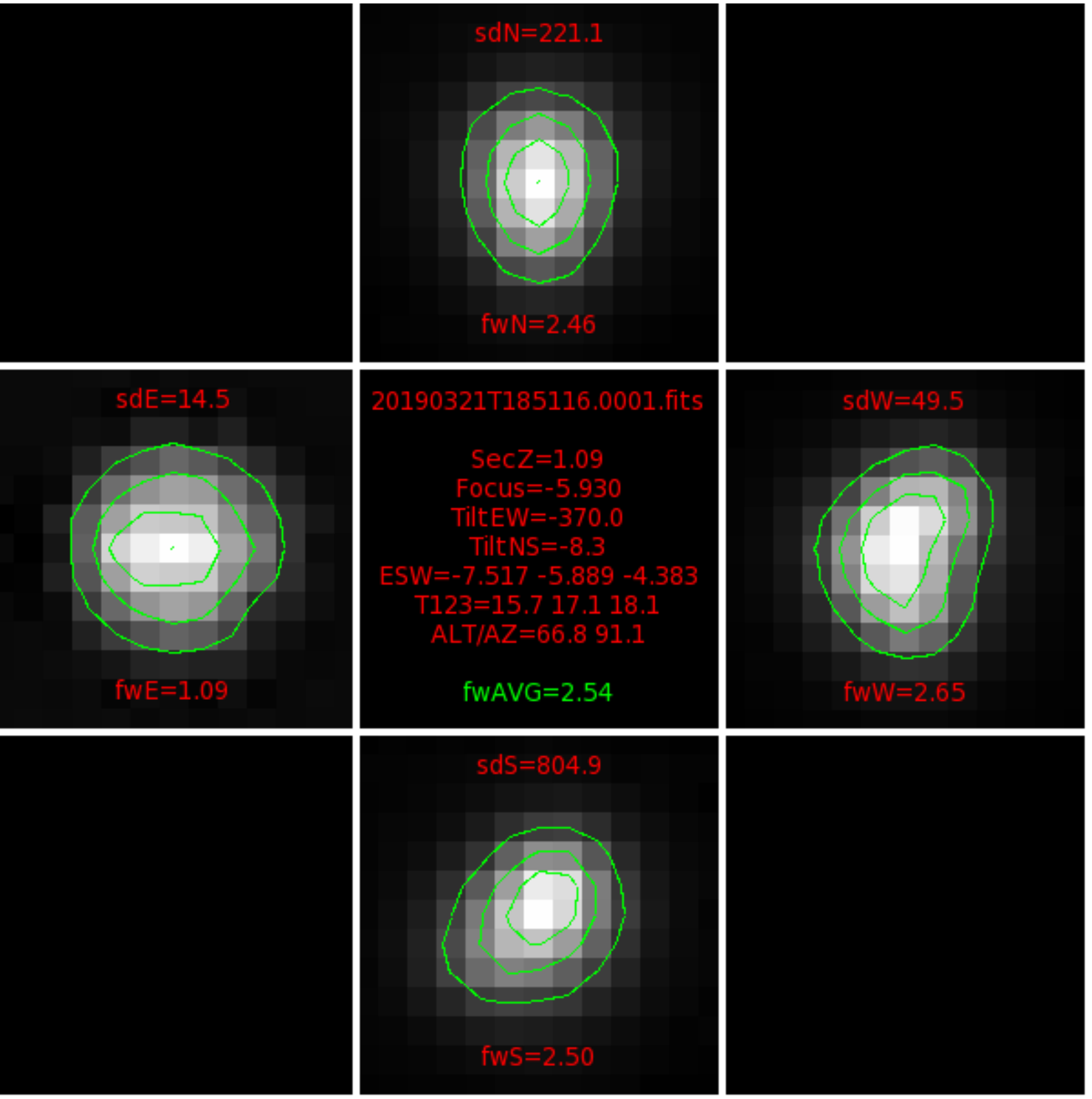
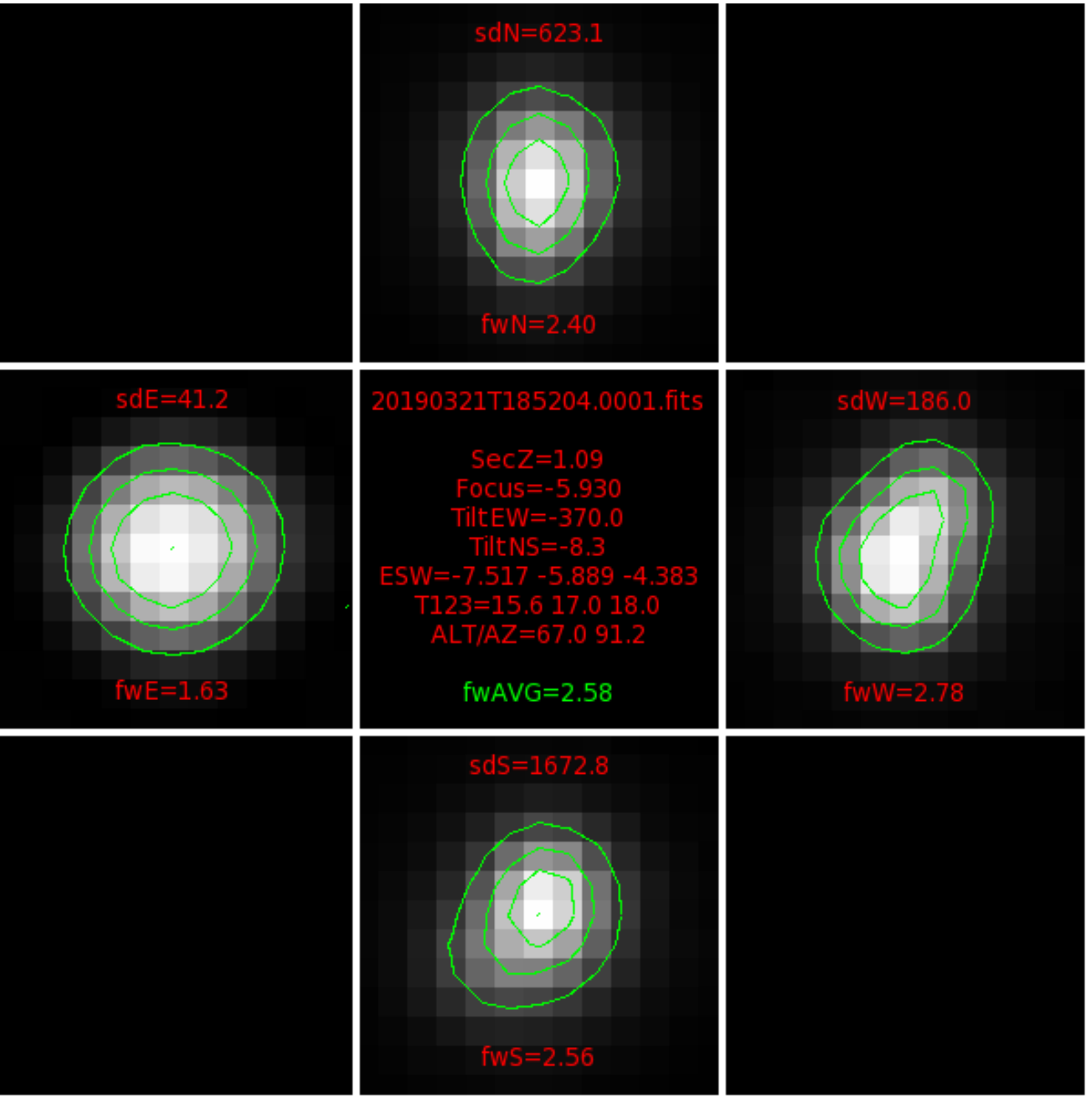

sdN=470.7
fwN=2.57
sdE=24.8
fwE=1.42
20190321T184955.0001.fits
SecZ=1.09
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=15.8 17.1 18.1
ALT/AZ=66.5 90.9
fwAVG=2.59
sdW=109.6
fwW=2.65
sdS=1120.9
fwS=2.54
0 0 0 0 0 0 0 0 0


sdN=221.1
fwN=2.46
sdE=14.5
fwE=1.09
20190321T185116.0001.fits
SecZ=1.09
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=15.7 17.1 18.1
ALT/AZ=66.8 91.1
fwAVG=2.54
sdW=49.5
fwW=2.65
sdS=804.9
fwS=2.50
0 0 0 0 0 0 0 0 0


sdN=623.1
fwN=2.40
sdE=41.2
fwE=1.63
20190321T185204.0001.fits
SecZ=1.09
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=15.6 17.0 18.0
ALT/AZ=67.0 91.2
fwAVG=2.58
sdW=186.0
fwW=2.78
sdS=1672.8
fwS=2.56
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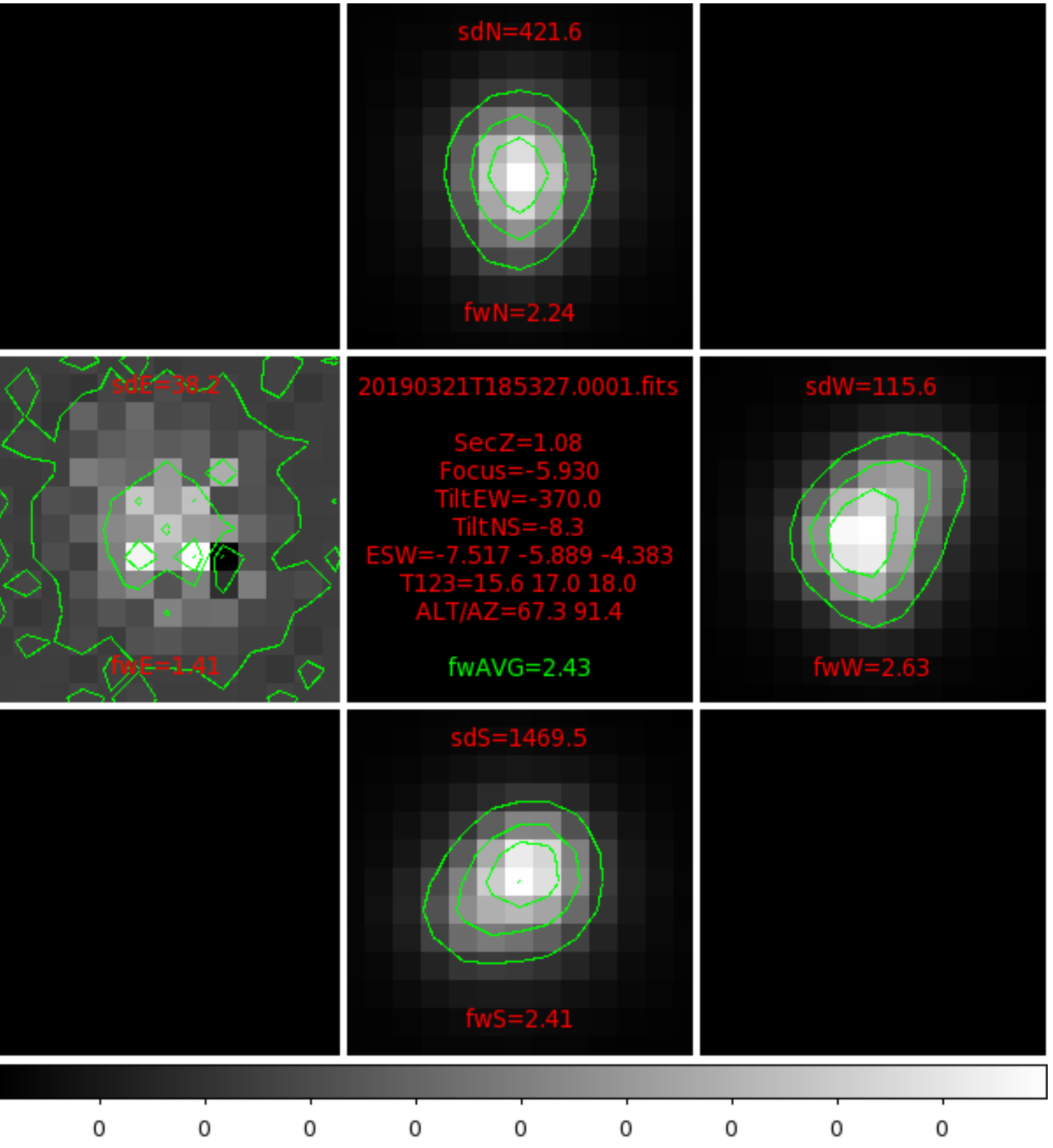
sdN=421.6
fwN=2.24
sdE=38.2
fwE=1.41
20190321T185327.0001.fits
SecZ=1.08
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=15.6 17.0 18.0
ALT/AZ=67.3 91.4
fwAVG=2.43
sdW=115.6
fwW=2.63
sdS=1469.5
fwS=2.41
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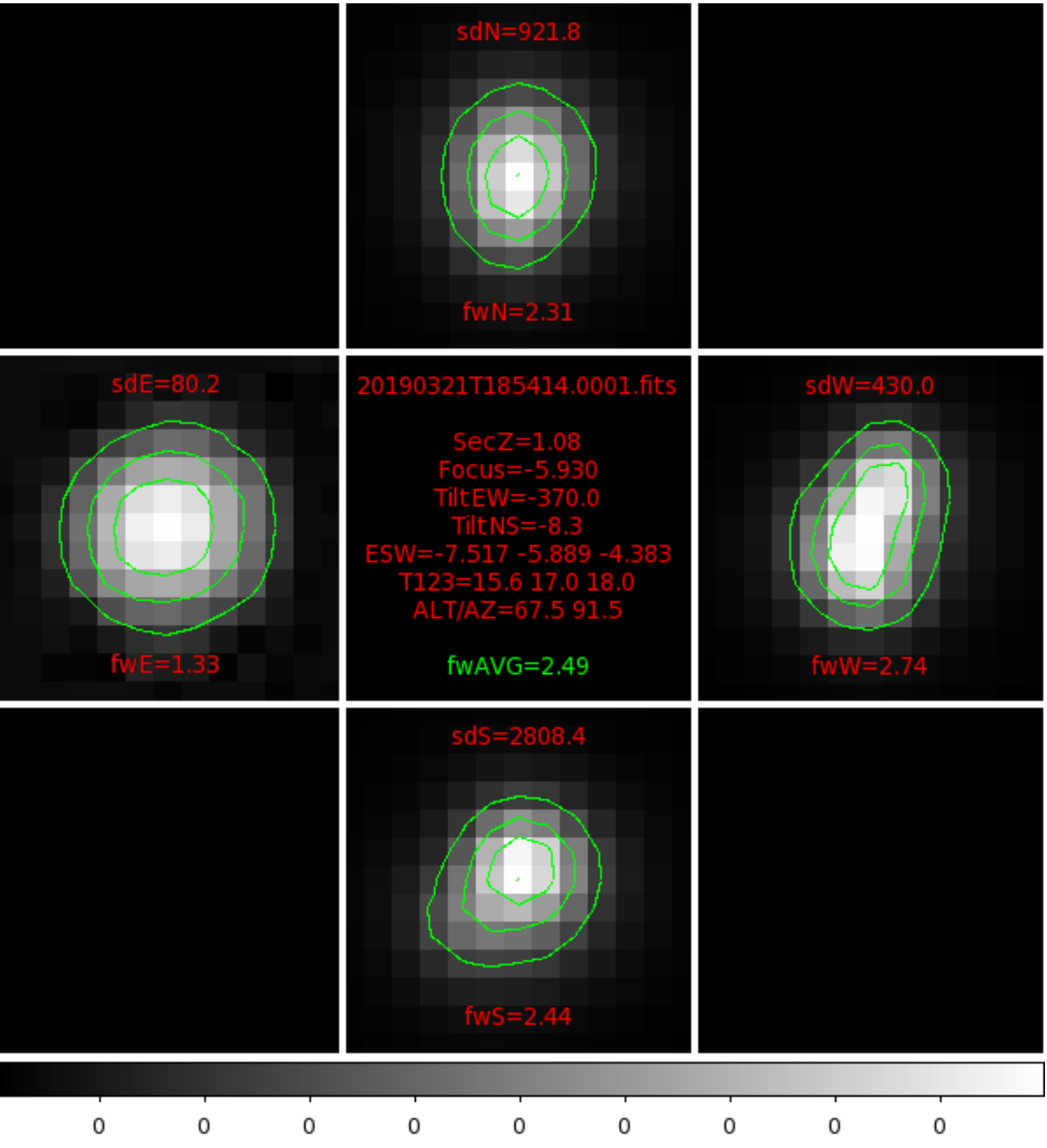
sdN=921.8
fwN=2.31
sdE=80.2
fwE=1.33
20190321T185414.0001.fits
SecZ=1.08
Focus=-5.930
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.517 -5.889 -4.383
T123=15.6 17.0 18.0
ALT/AZ=67.5 91.5
fwAVG=2.49
sdW=430.0
fwW=2.74
sdS=2808.4
fwS=2.44
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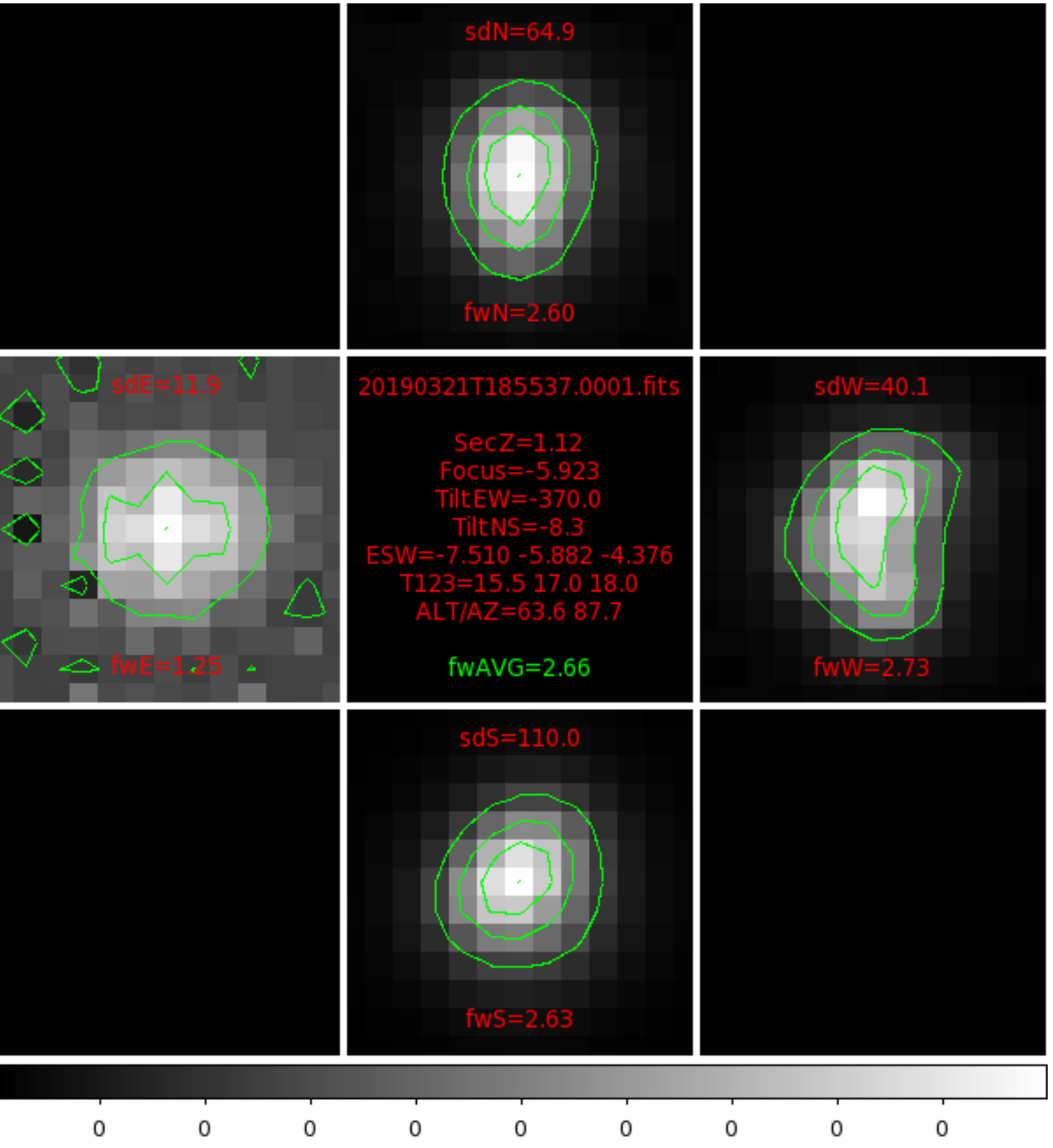
sdN=64.9
fwN=2.60
sdE=11.9
fwE=1.25
20190321T185537.0001.fits
SecZ=1.12
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=15.5 17.0 18.0
ALT/AZ=63.6 87.7
fwAVG=2.66
sdW=40.1
fwW=2.73
sdS=110.0
fwS=2.63
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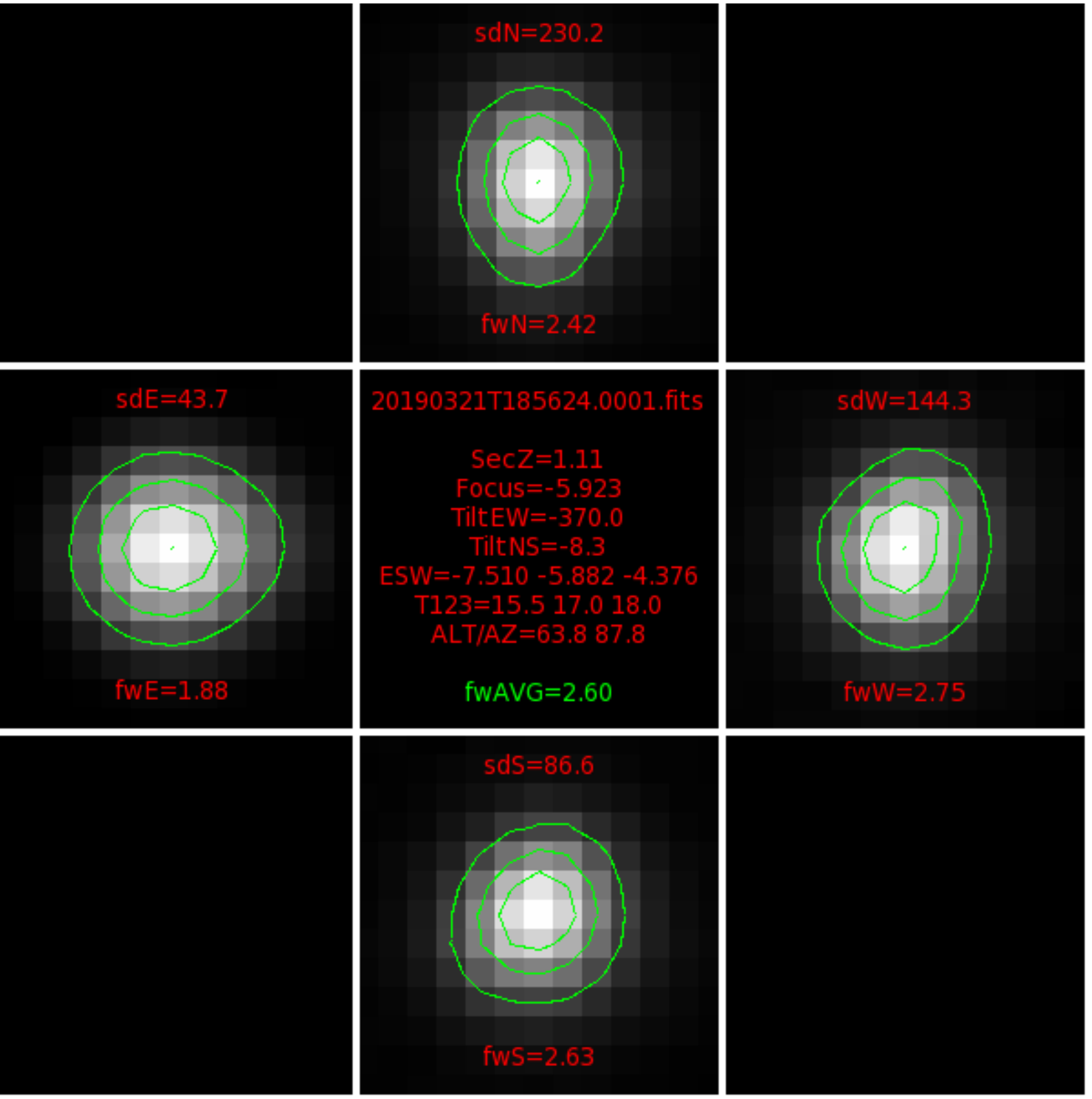
sdN=230.2
fwN=2.42
sdE=43.7
fwE=1.88
20190321T185624.0001.fits
SecZ=1.11
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=15.5 17.0 18.0
ALT/AZ=63.8 87.8
fwAVG=2.60
sdW=144.3
fwW=2.75
sdS=86.6
fwS=2.63
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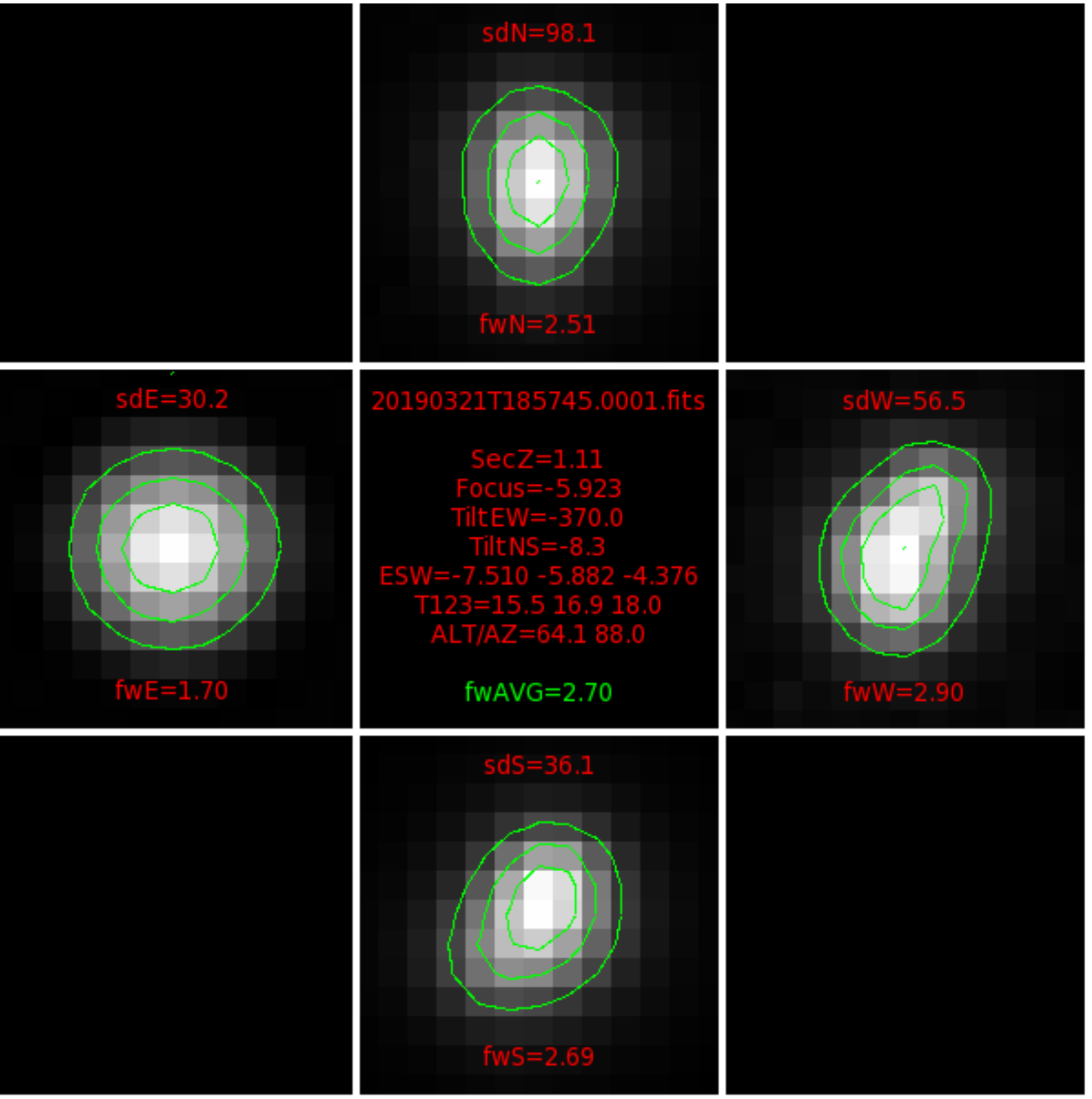
sdN=98.1
fwN=2.51
sdE=30.2
fwE=1.70
20190321T185745.0001.fits
SecZ=1.11
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=15.5 16.9 18.0
ALT/AZ=64.1 88.0
fwAVG=2.70
sdW=56.5
fwW=2.90
sdS=36.1
fwS=2.69
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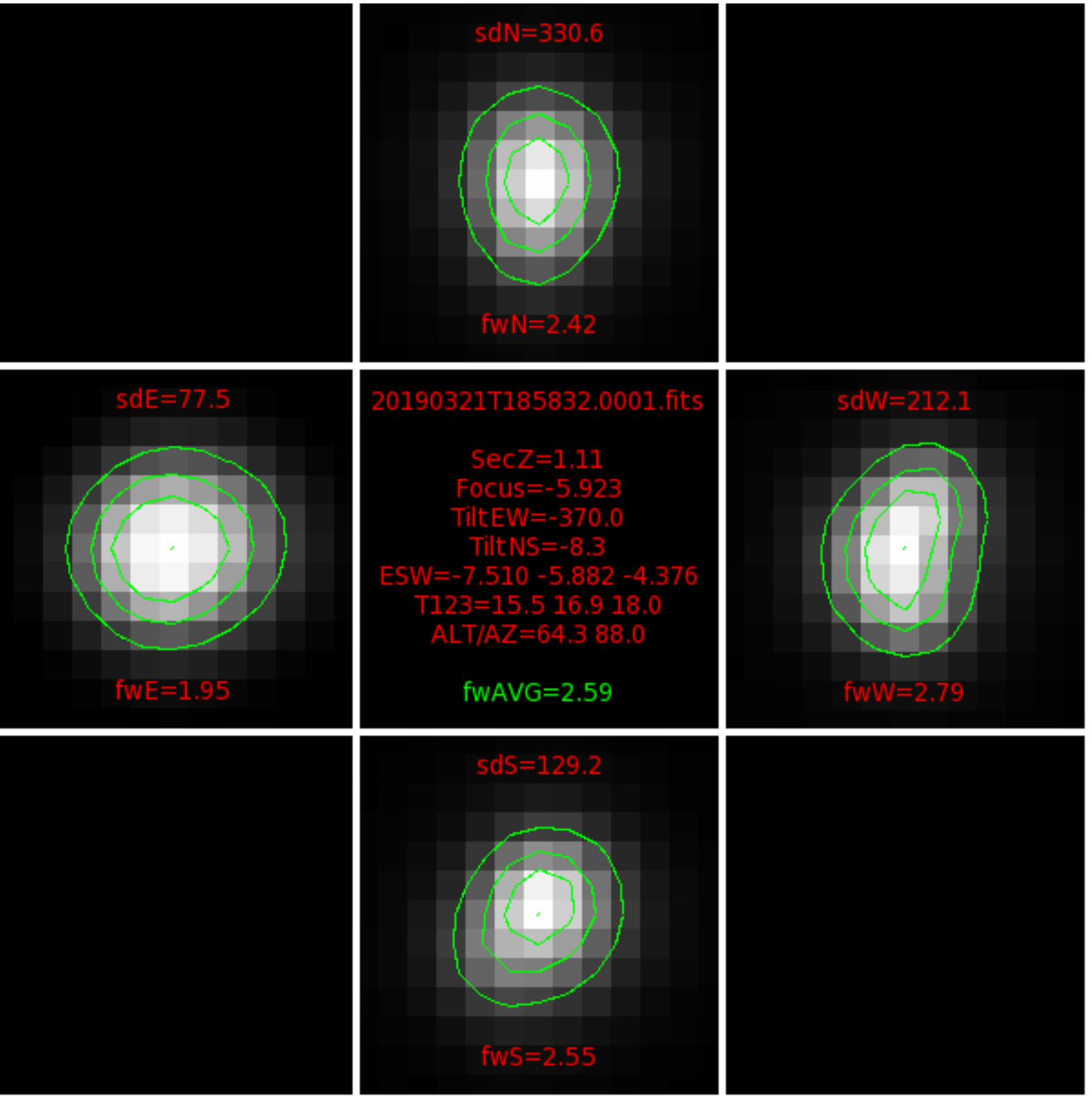
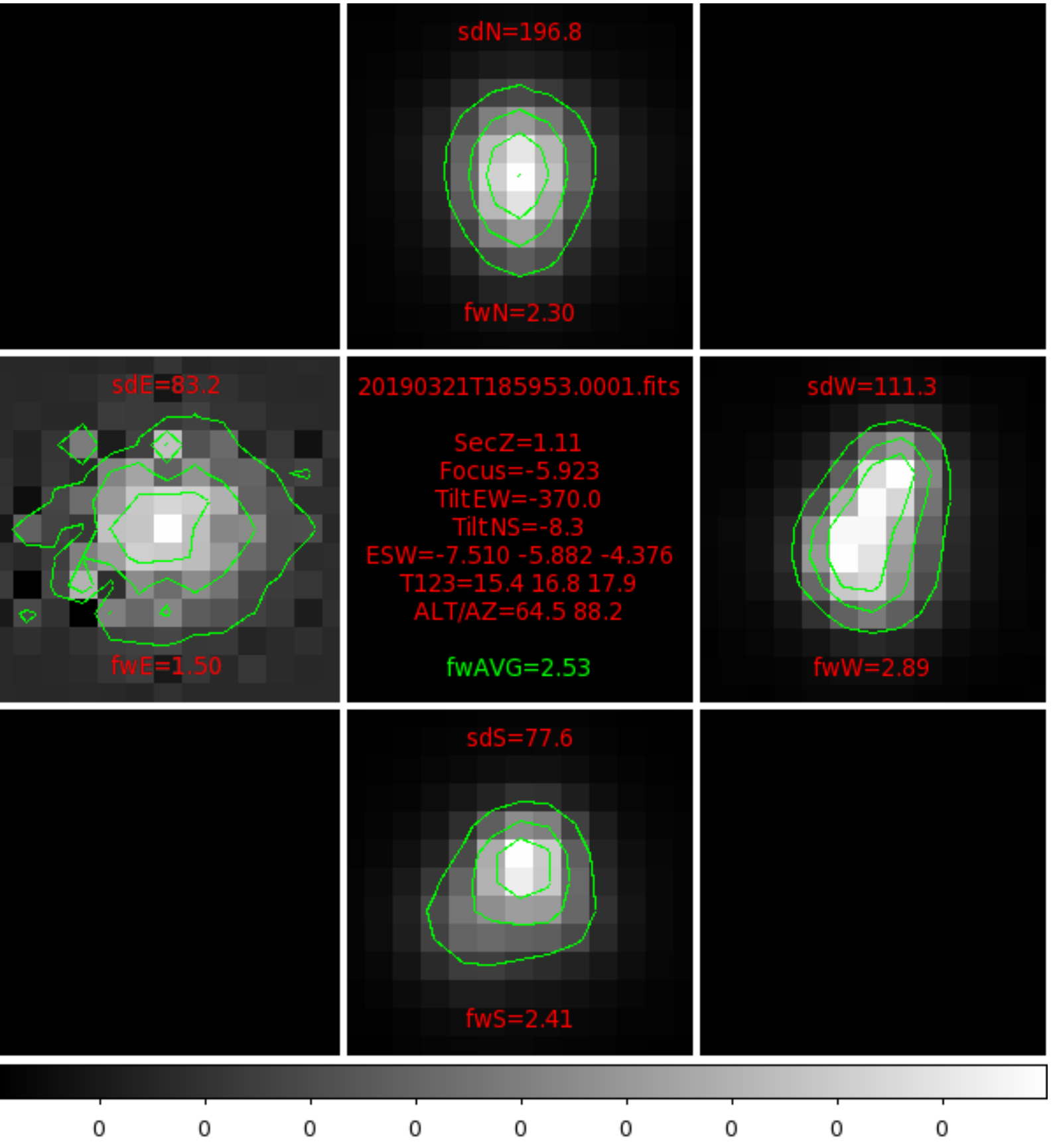

sdN=330.6
fwN=2.42
sdE=77.5
fwE=1.95
20190321T185832.0001.fits
SecZ=1.11
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=15.5 16.9 18.0
ALT/AZ=64.3 88.0
fwAVG=2.59
sdW=212.1
fwW=2.79
sdS=129.2
fwS=2.55
0 0 0 0 0 0 0 0 0


sdN=196.8
fwN=2.30
sdE=83.2
fwE=1.50
20190321T185953.0001.fits
SecZ=1.11
Focus=-5.923
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.510 -5.882 -4.376
T123=15.4 16.8 17.9
ALT/AZ=64.5 88.2
fwAVG=2.53
sdW=111.3
fwW=2.89
sdS=77.6
fwS=2.41
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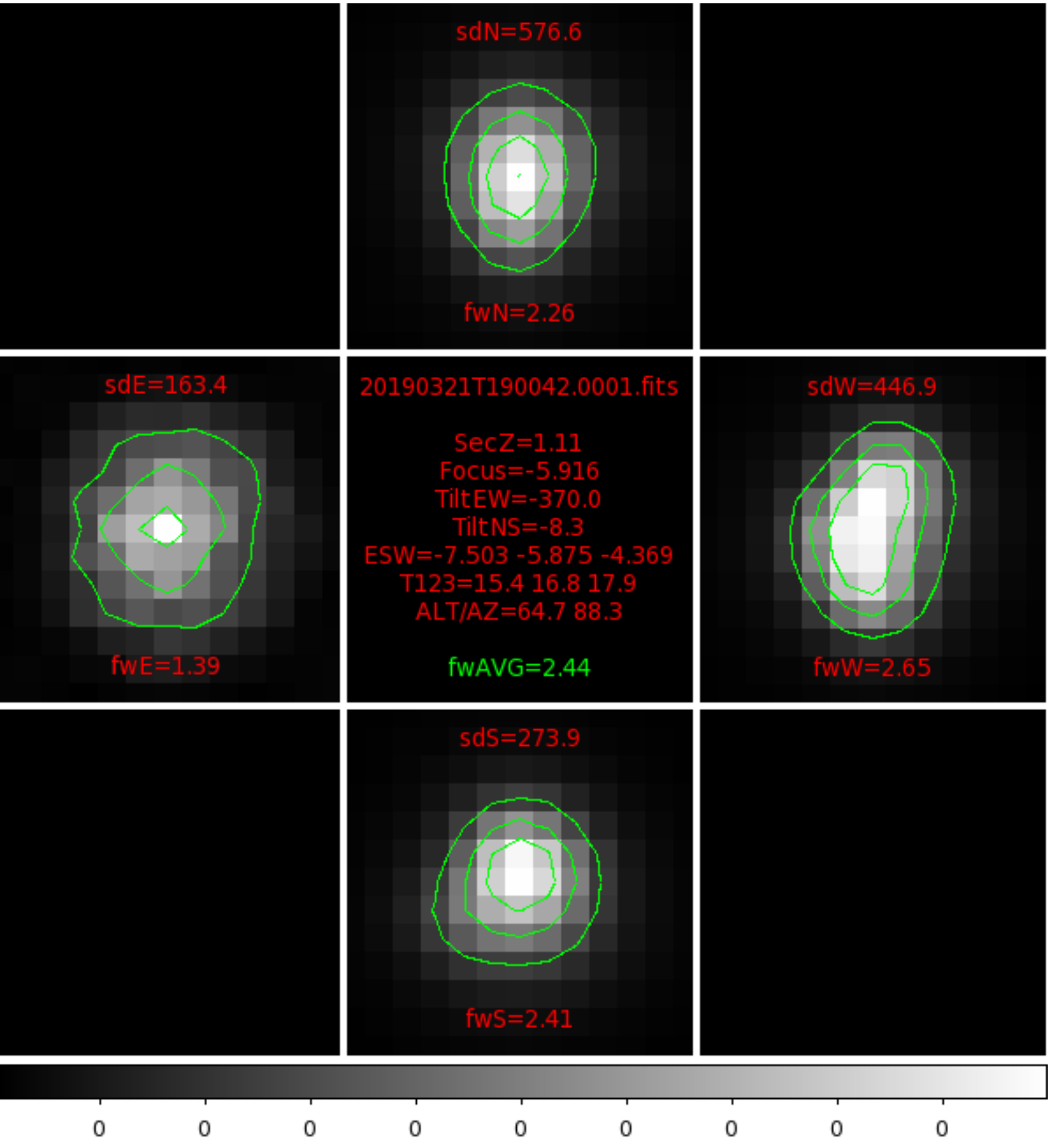
sdN=576.6
fwN=2.26
sdE=163.4
fwE=1.39
20190321T190042.0001.fits
SecZ=1.11
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=15.4 16.8 17.9
ALT/AZ=64.7 88.3
fwAVG=2.44
sdW=446.9
fwW=2.65
sdS=273.9
fwS=2.41
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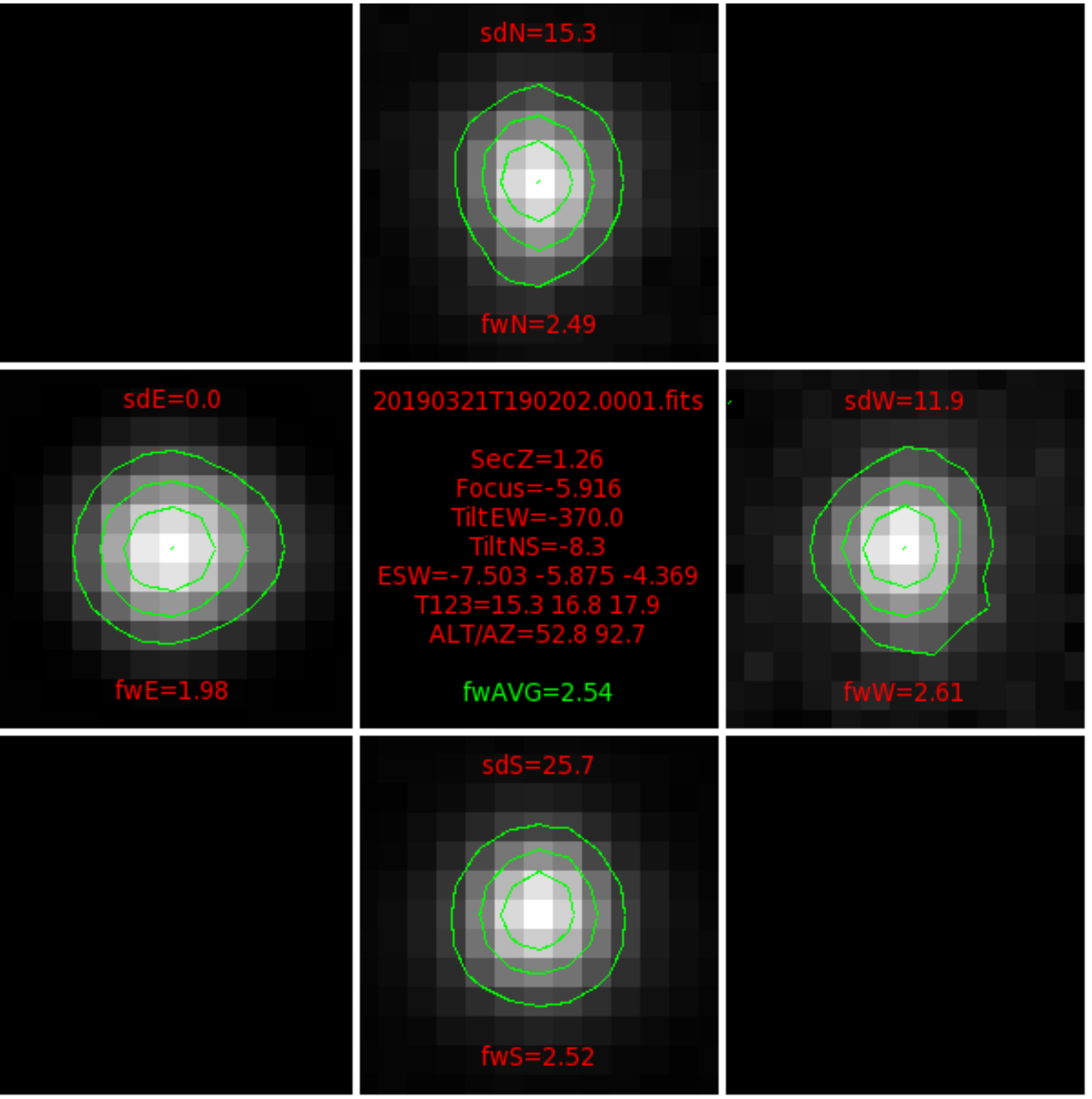
sdN=15.3
fwN=2.49
sdE=0.0
fwE=1.98
20190321T190202.0001.fits
SecZ=1.26
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=15.3 16.8 17.9
ALT/AZ=52.8 92.7
fwAVG=2.54
sdW=11.9
fwW=2.61
sdS=25.7
fwS=2.52
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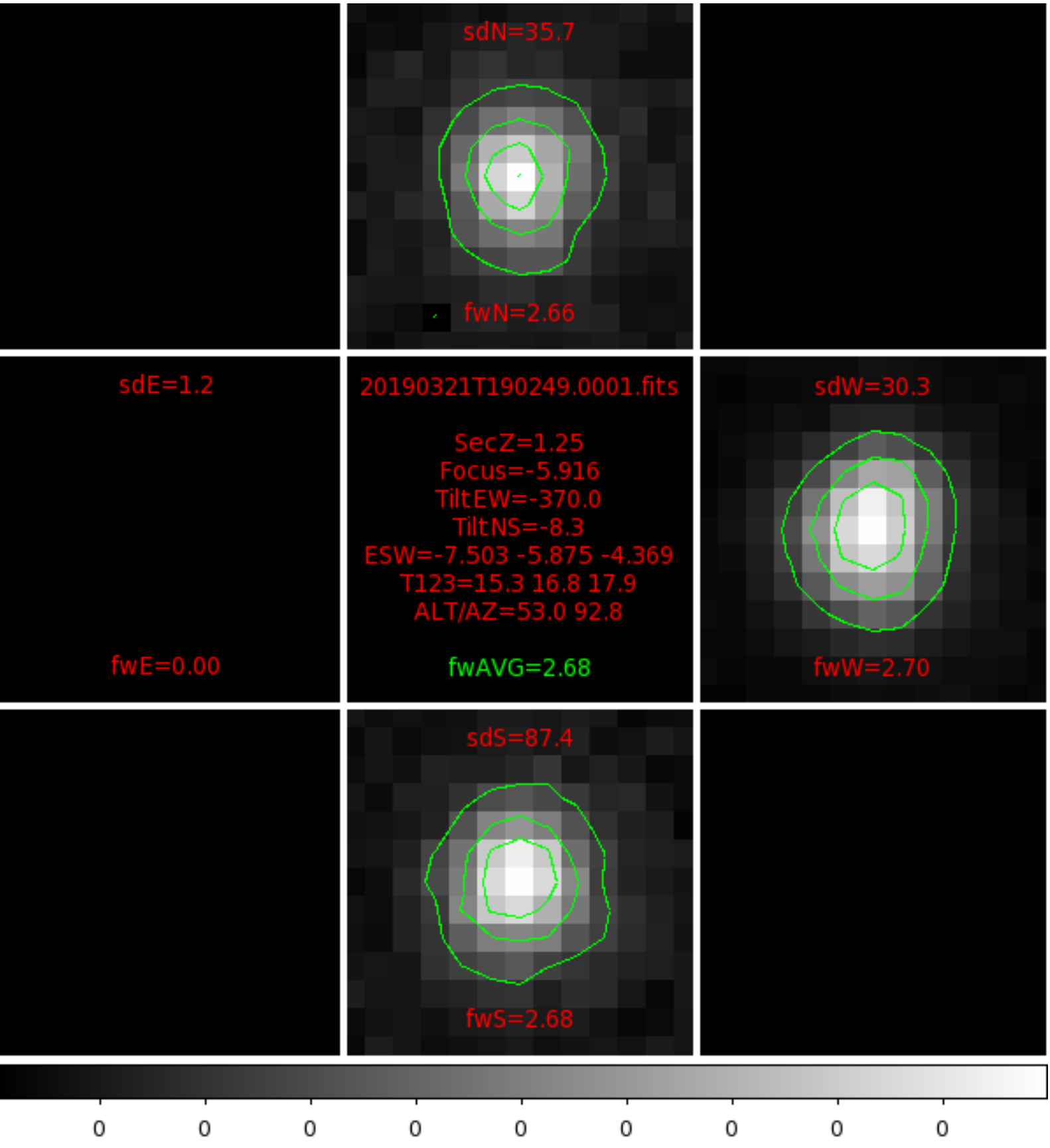
sdN=35.7
fwN=2.66
sdE=1.2
fwE=0.00
20190321T190249.0001.fits
SecZ=1.25
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=15.3 16.8 17.9
ALT/AZ=53.0 92.8
fwAVG=2.68
sdW=30.3
fwW=2.70
sdS=87.4
fwS=2.68
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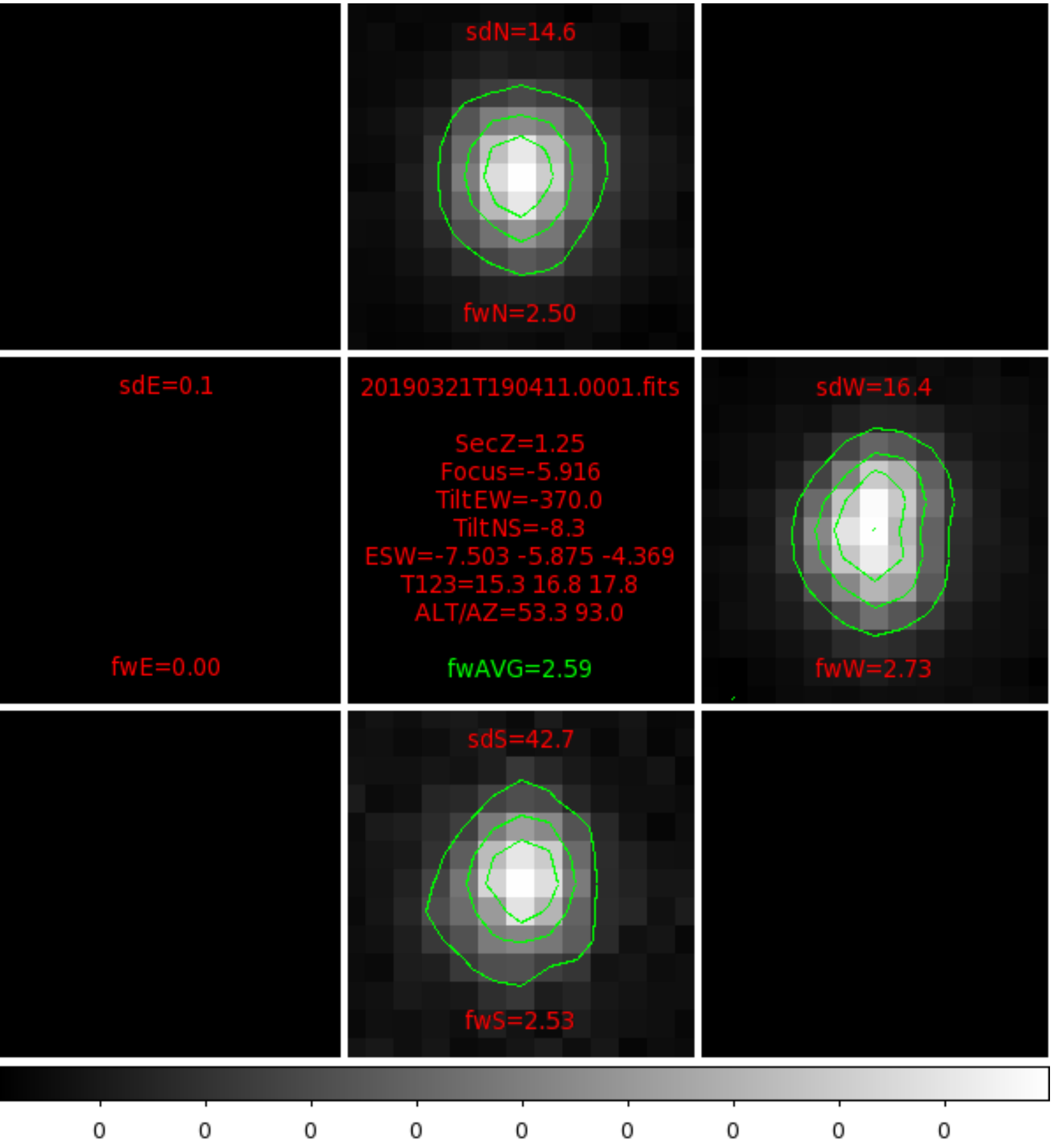
sdN=14.6
fwN=2.50
sdE=0.1
fwE=0.00
20190321T190411.0001.fits
SecZ=1.25
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=15.3 16.8 17.8
ALT/AZ=53.3 93.0
fwAVG=2.59
sdW=16.4
fwW=2.73
sdS=42.7
fwS=2.53
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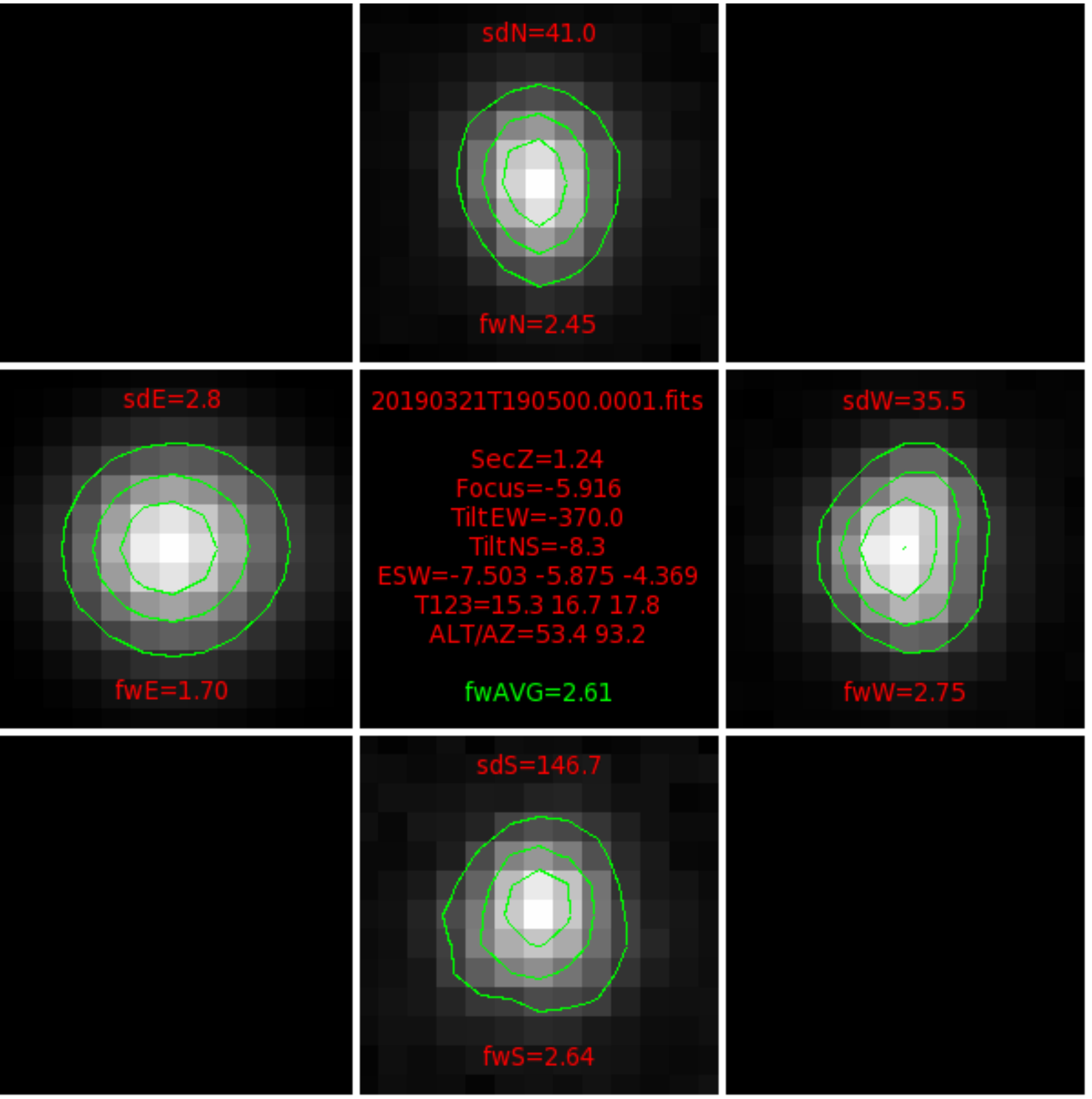
sdN=41.0
fwN=2.45
sdE=2.8
fwE=1.70
20190321T190500.0001.fits
SecZ=1.24
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=15.3 16.7 17.8
ALT/AZ=53.4 93.2
fwAVG=2.61
sdW=35.5
fwW=2.75
sdS=146.7
fwS=2.64
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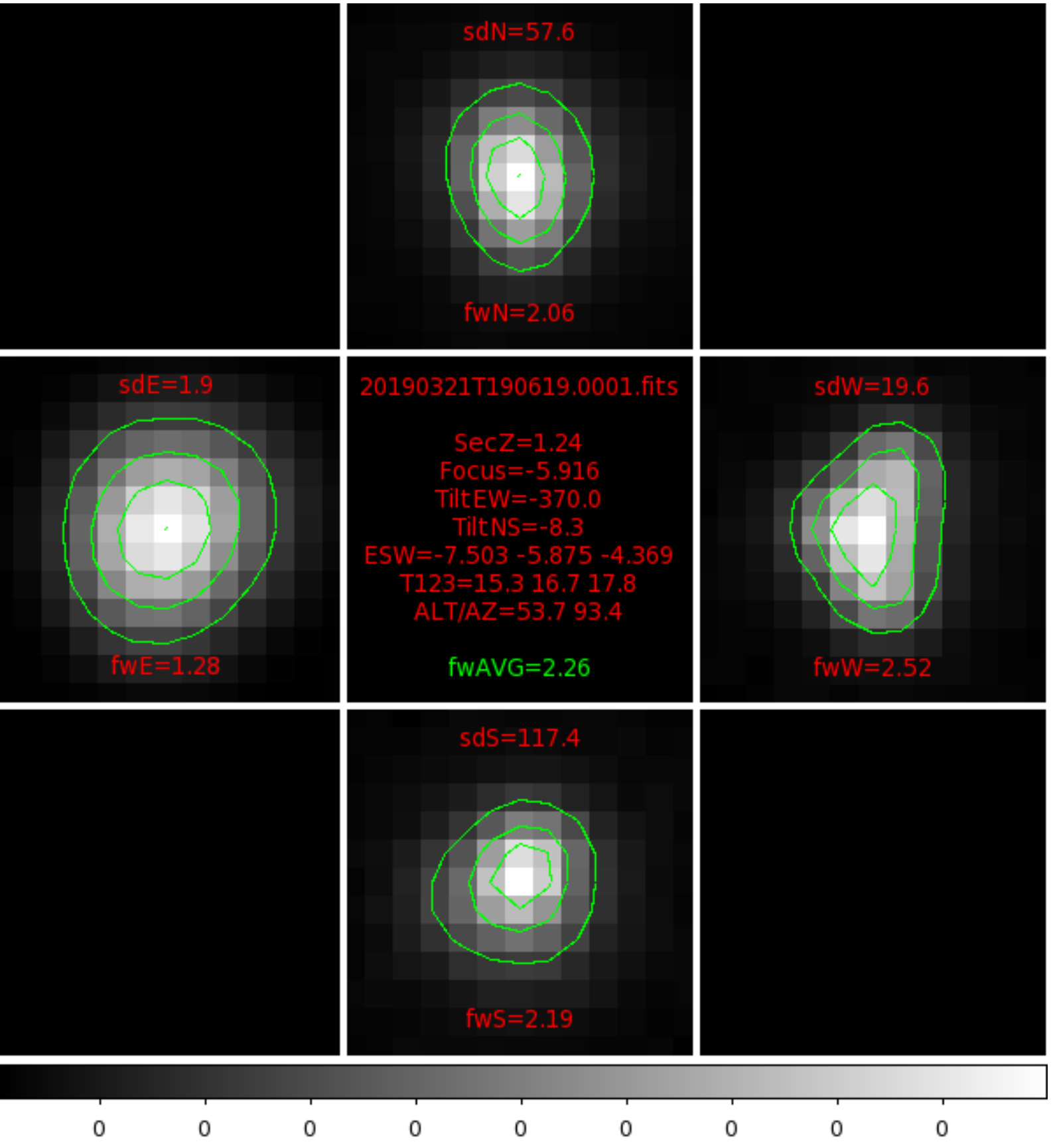
sdN=57.6
fwN=2.06
sdE=1.9
fwE=1.28
20190321T190619.0001.fits
SecZ=1.24
Focus=-5.916
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.503 -5.875 -4.369
T123=15.3 16.7 17.8
ALT/AZ=53.7 93.4
fwAVG=2.26
sdW=19.6
fwW=2.52
sdS=117.4
fwS=2.19
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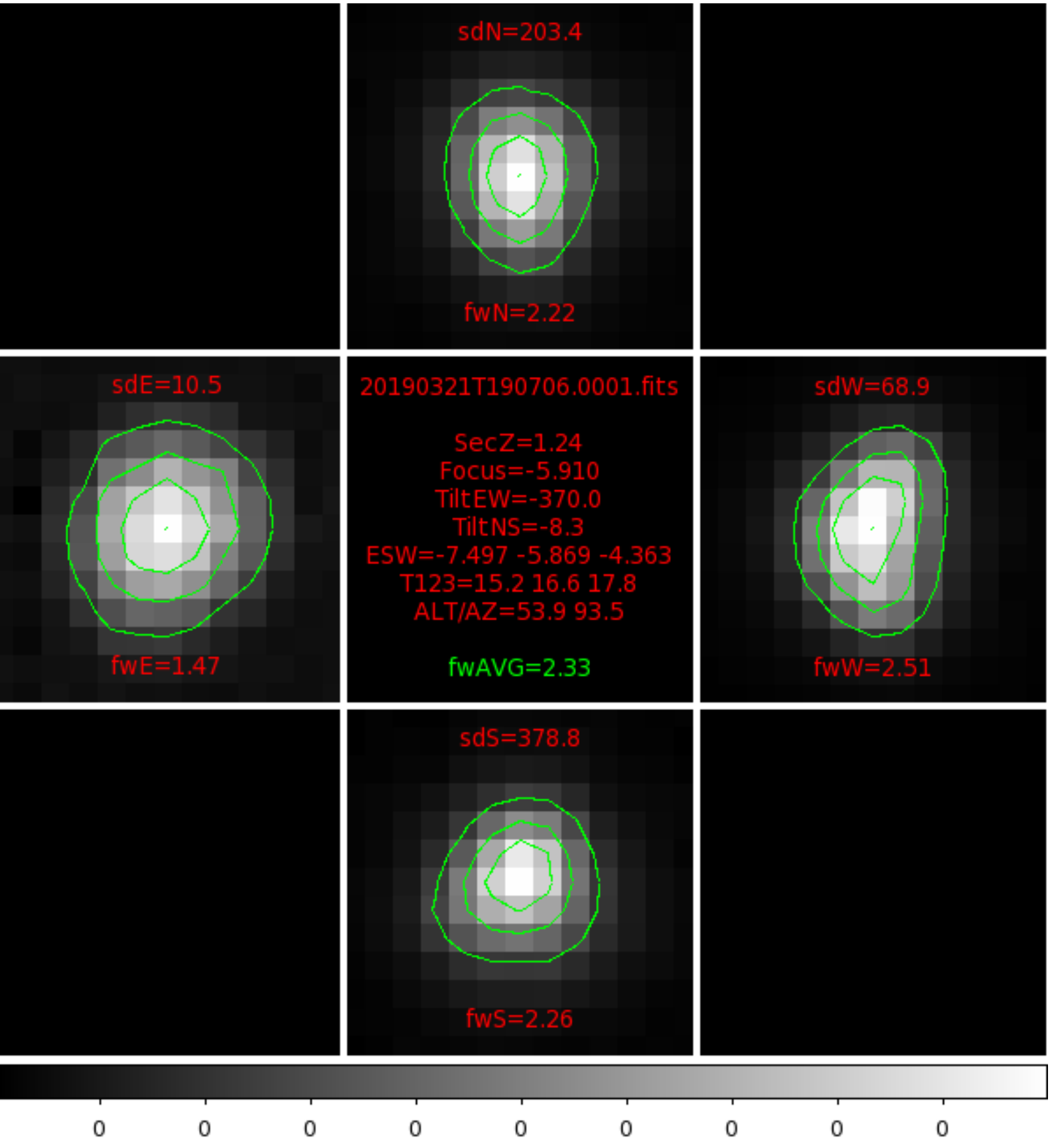
sdN=203.4
fwN=2.22
sdE=10.5
fwE=1.47
20190321T190706.0001.fits
SecZ=1.24
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=15.2 16.6 17.8
ALT/AZ=53.9 93.5
fwAVG=2.33
sdW=68.9
fwW=2.51
sdS=378.8
fwS=2.26
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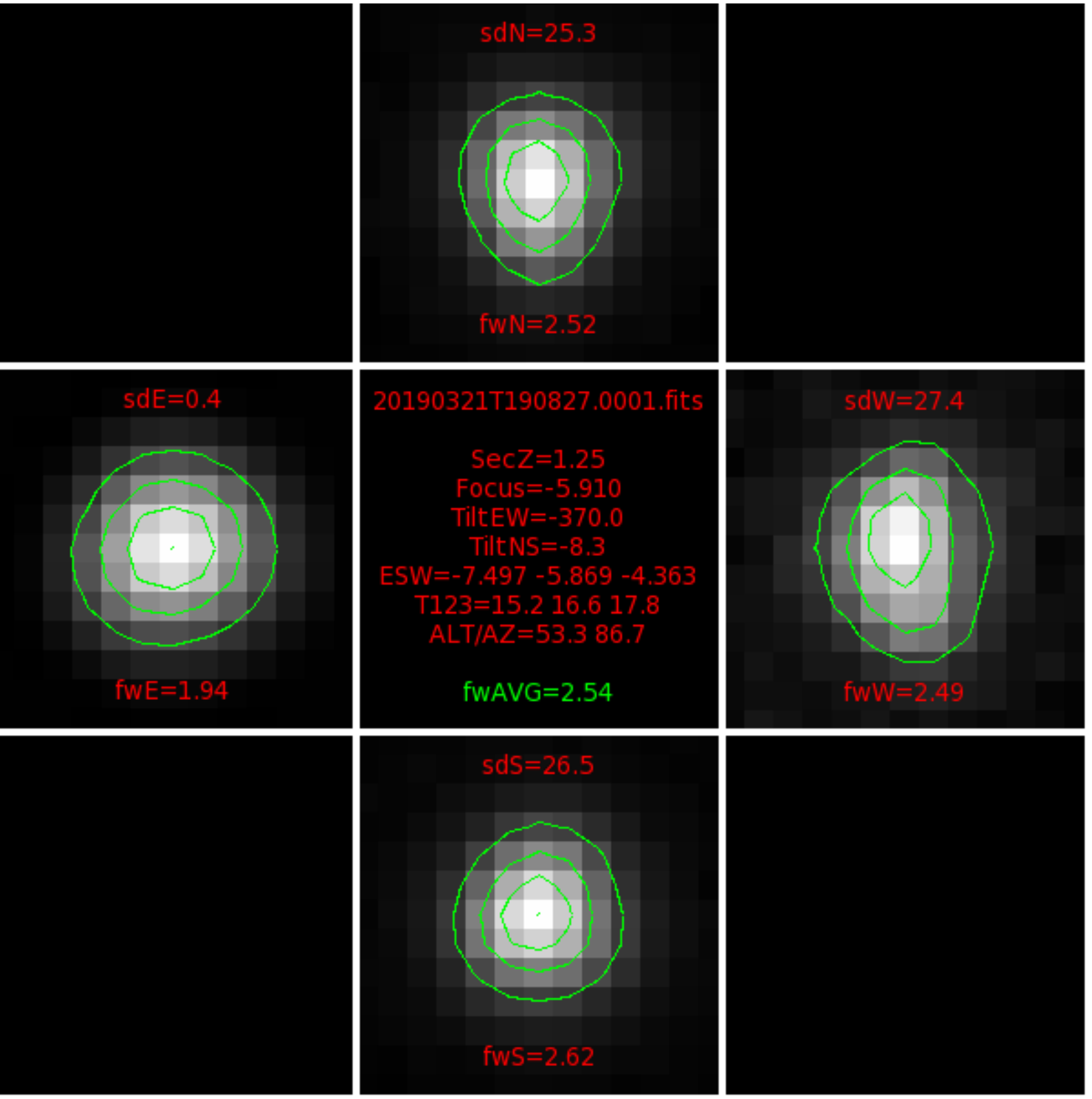
sdN=25.3
fwN=2.52
sdE=0.4
fwE=1.94
20190321T190827.0001.fits
SecZ=1.25
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=15.2 16.6 17.8
ALT/AZ=53.3 86.7
fwAVG=2.54
sdW=27.4
fwW=2.49
sdS=26.5
fwS=2.62
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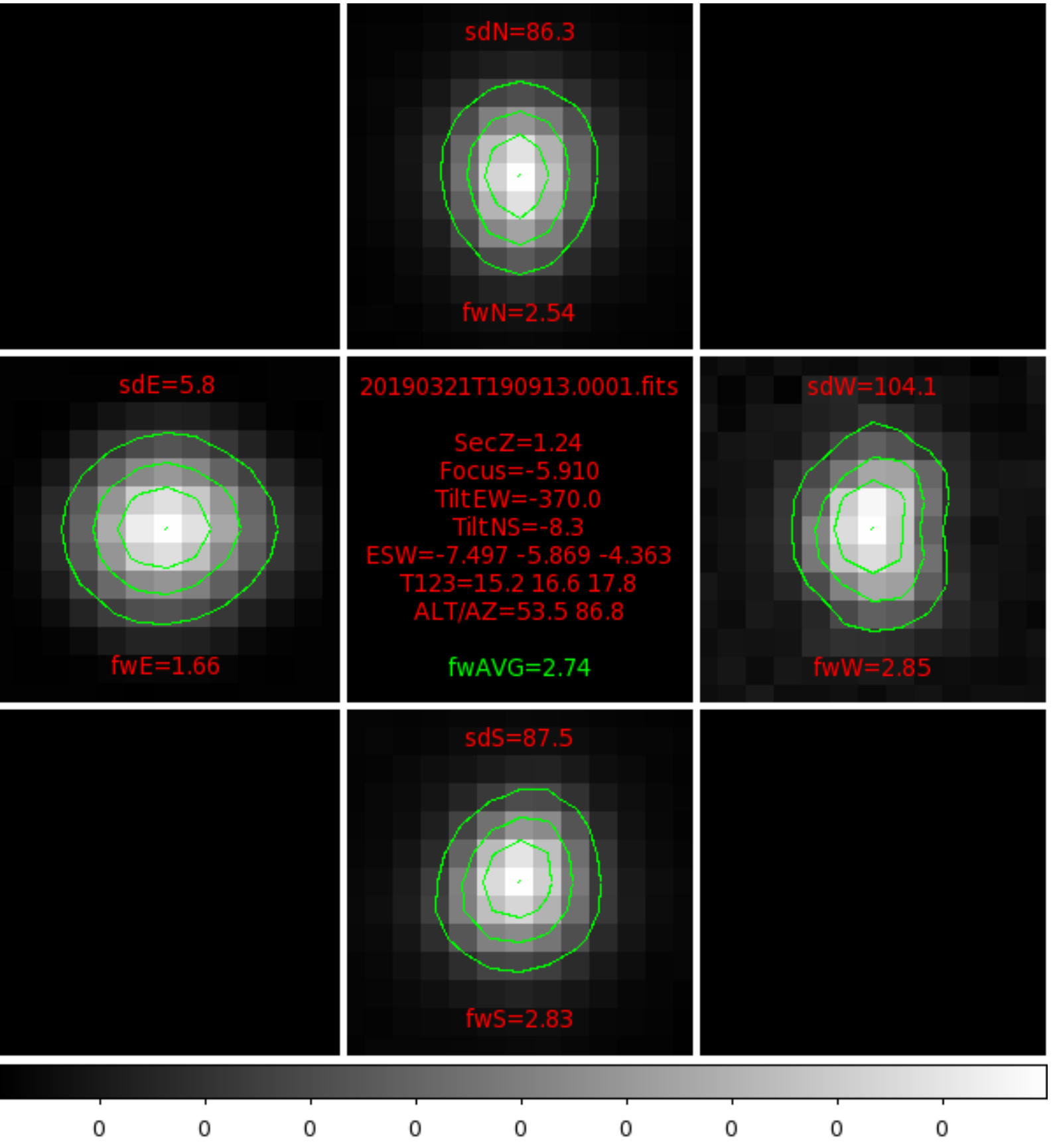
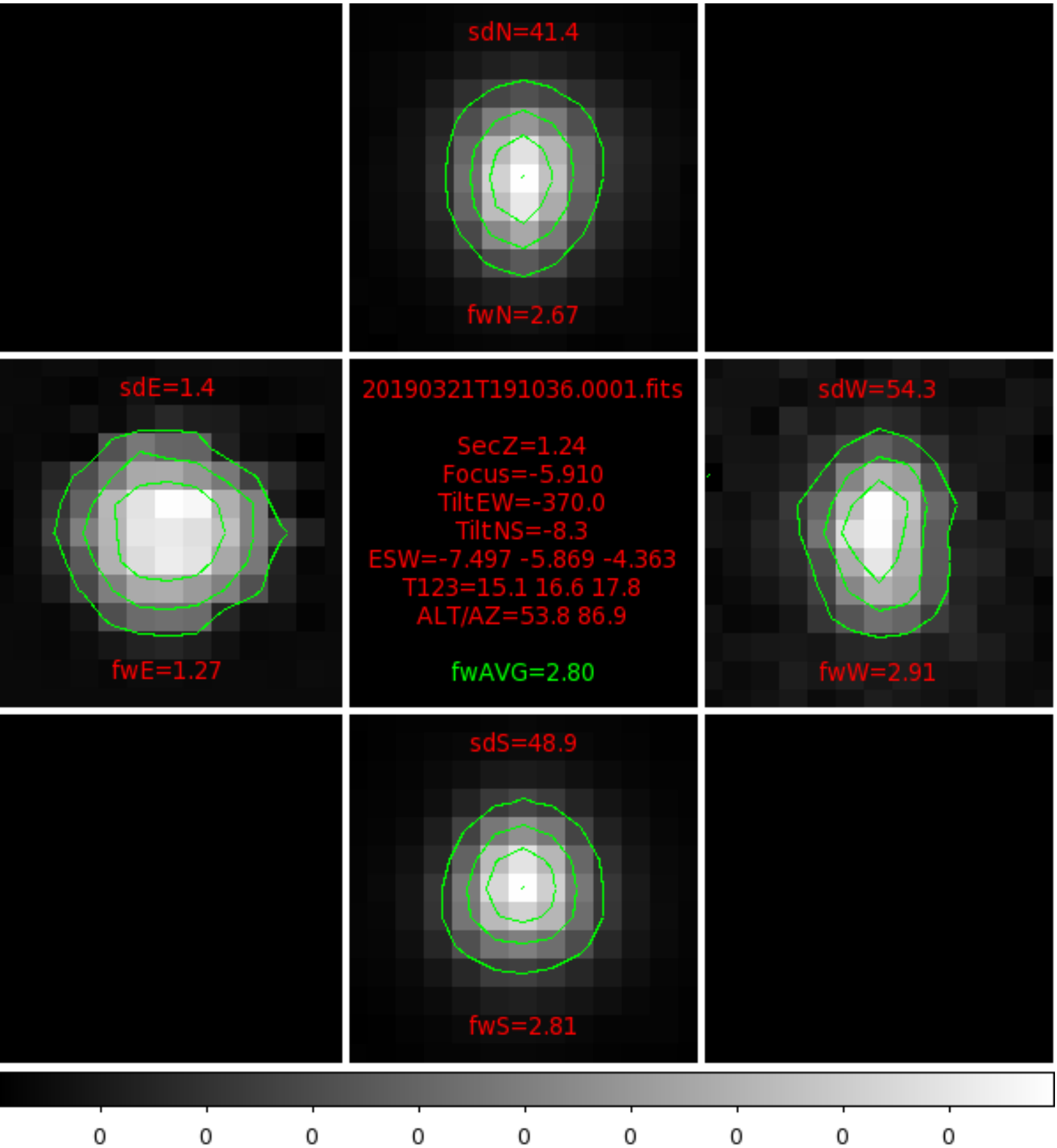

sdN=86.3
fwN=2.54
sdE=5.8
fwE=1.66
20190321T190913.0001.fits
SecZ=1.24
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=15.2 16.6 17.8
ALT/AZ=53.5 86.8
fwAVG=2.74
sdW=104.1
fwW=2.85
sdS=87.5
fwS=2.83
0 0 0 0 0 0 0 0 0


sdN=41.4
fwN=2.67
sdE=1.4
fwE=1.27
20190321T191036.0001.fits
SecZ=1.24
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=15.1 16.6 17.8
ALT/AZ=53.8 86.9
fwAVG=2.80
sdW=54.3
fwW=2.91
sdS=48.9
fwS=2.81
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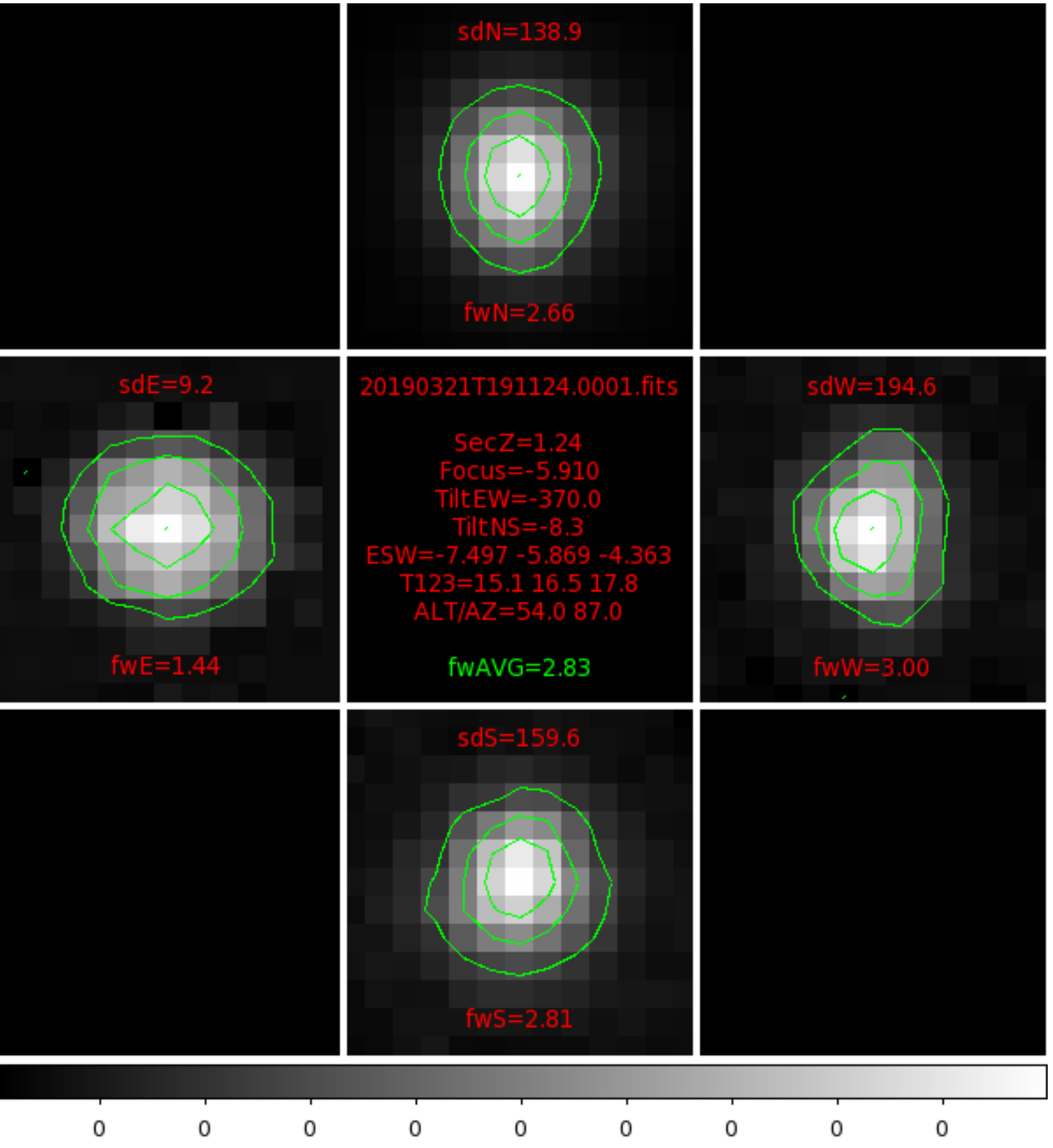
sdN=138.9
fwN=2.66
sdE=9.2
fwE=1.44
20190321T191124.0001.fits
SecZ=1.24
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=15.1 16.5 17.8
ALT/AZ=54.0 87.0
fwAVG=2.83
sdW=194.6
fwW=3.00
sdS=159.6
fwS=2.81
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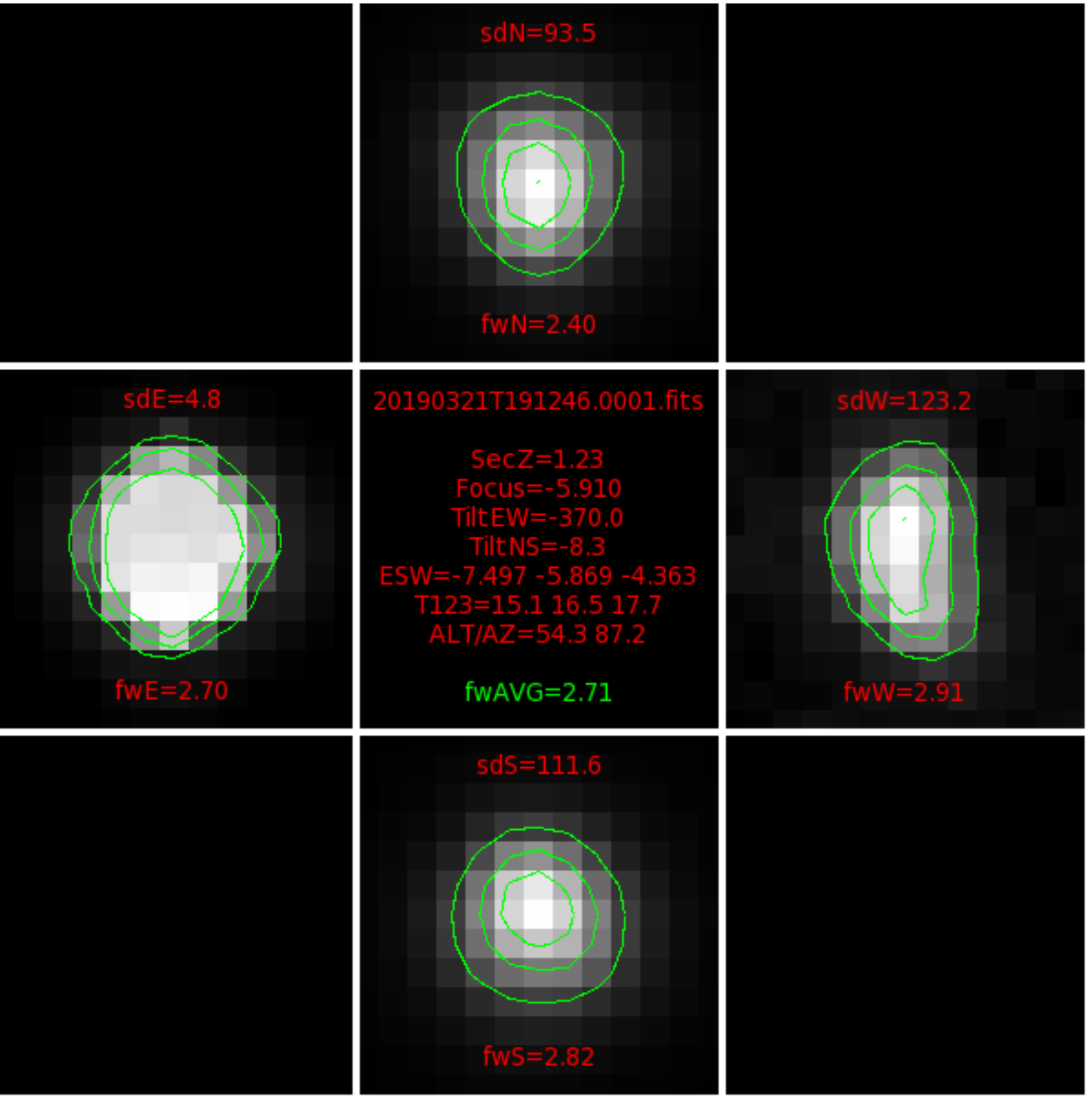
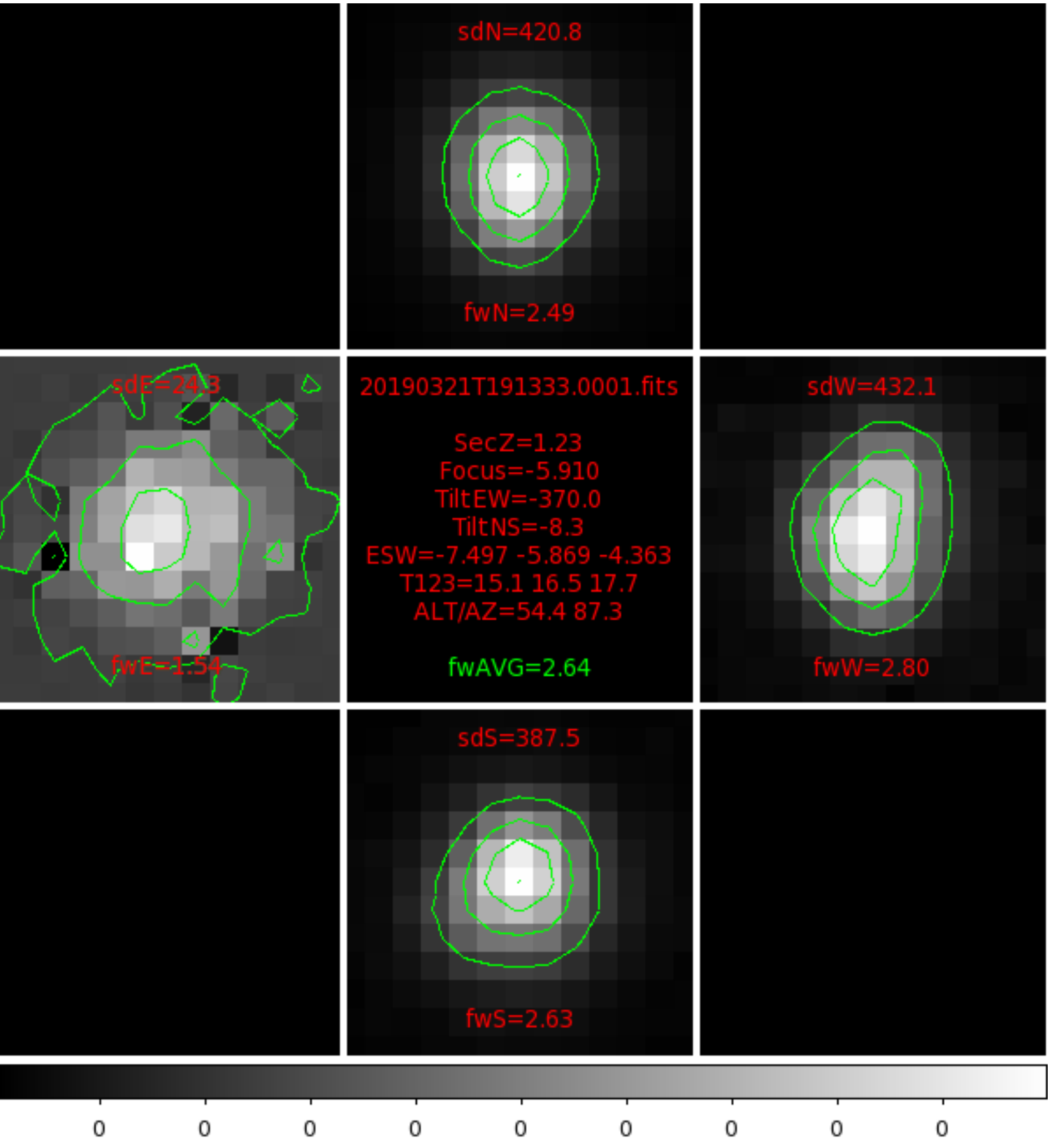

sdN=93.5
fwN=2.40
sdE=4.8
fwE=2.70
20190321T191246.0001.fits
SecZ=1.23
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=15.1 16.5 17.7
ALT/AZ=54.3 87.2
fwAVG=2.71
sdW=123.2
fwW=2.91
sdS=111.6
fwS=2.82
0 0 0 0 0 0 0 0 0


sdN=420.8
fwN=2.49
sdE=243
fwE=1.54
20190321T191333.0001.fits
SecZ=1.23
Focus=-5.910
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.497 -5.869 -4.363
T123=15.1 16.5 17.7
ALT/AZ=54.4 87.3
fwAVG=2.64
sdW=432.1
fwW=2.80
sdS=387.5
fwS=2.63
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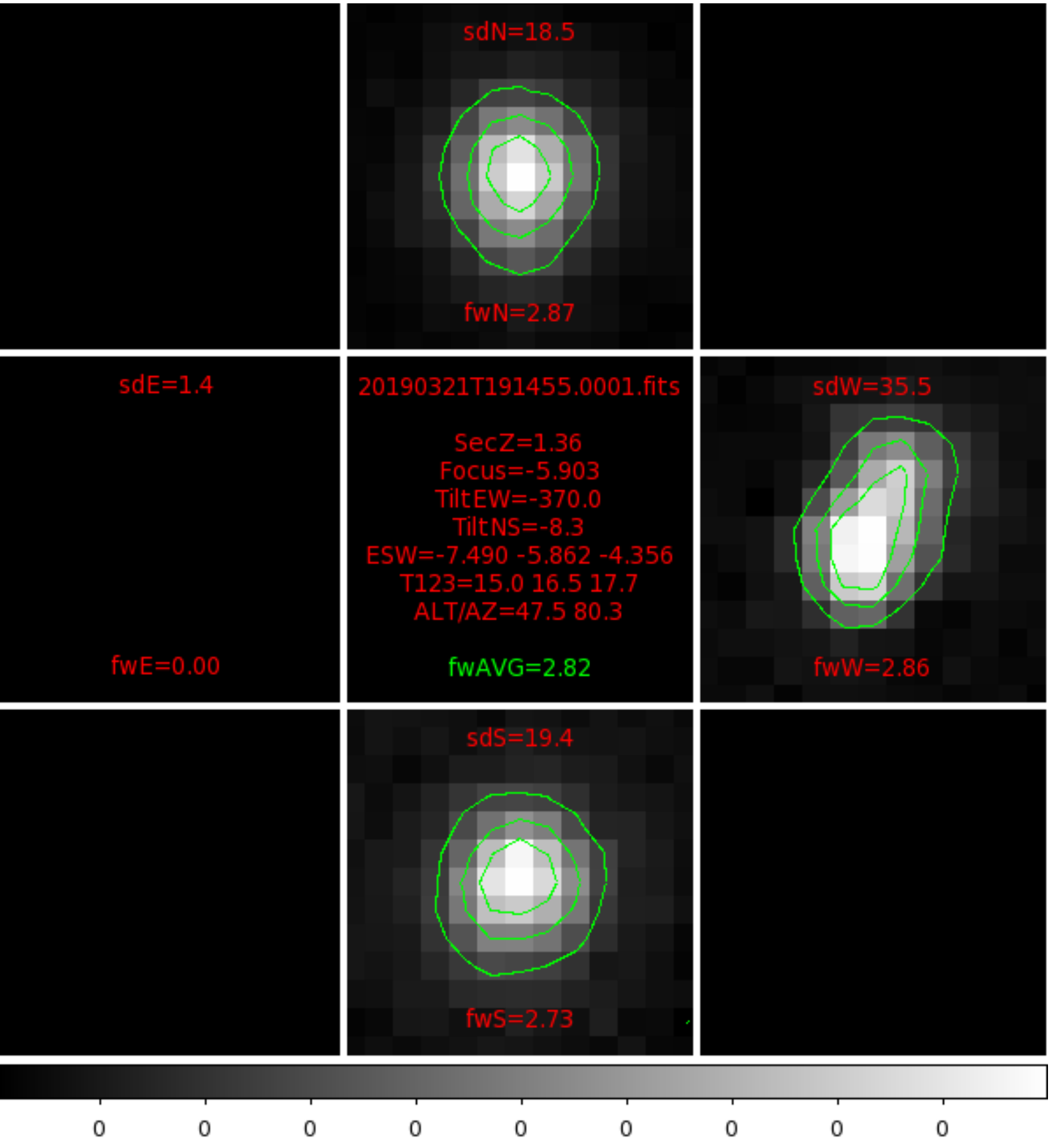
sdN=18.5
fwN=2.87
sdE=1.4
fwE=0.00
20190321T191455.0001.fits
SecZ=1.36
Focus=-5.903
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.490 -5.862 -4.356
T123=15.0 16.5 17.7
ALT/AZ=47.5 80.3
fwAVG=2.82
sdW=35.5
fwW=2.86
sdS=19.4
fwS=2.73
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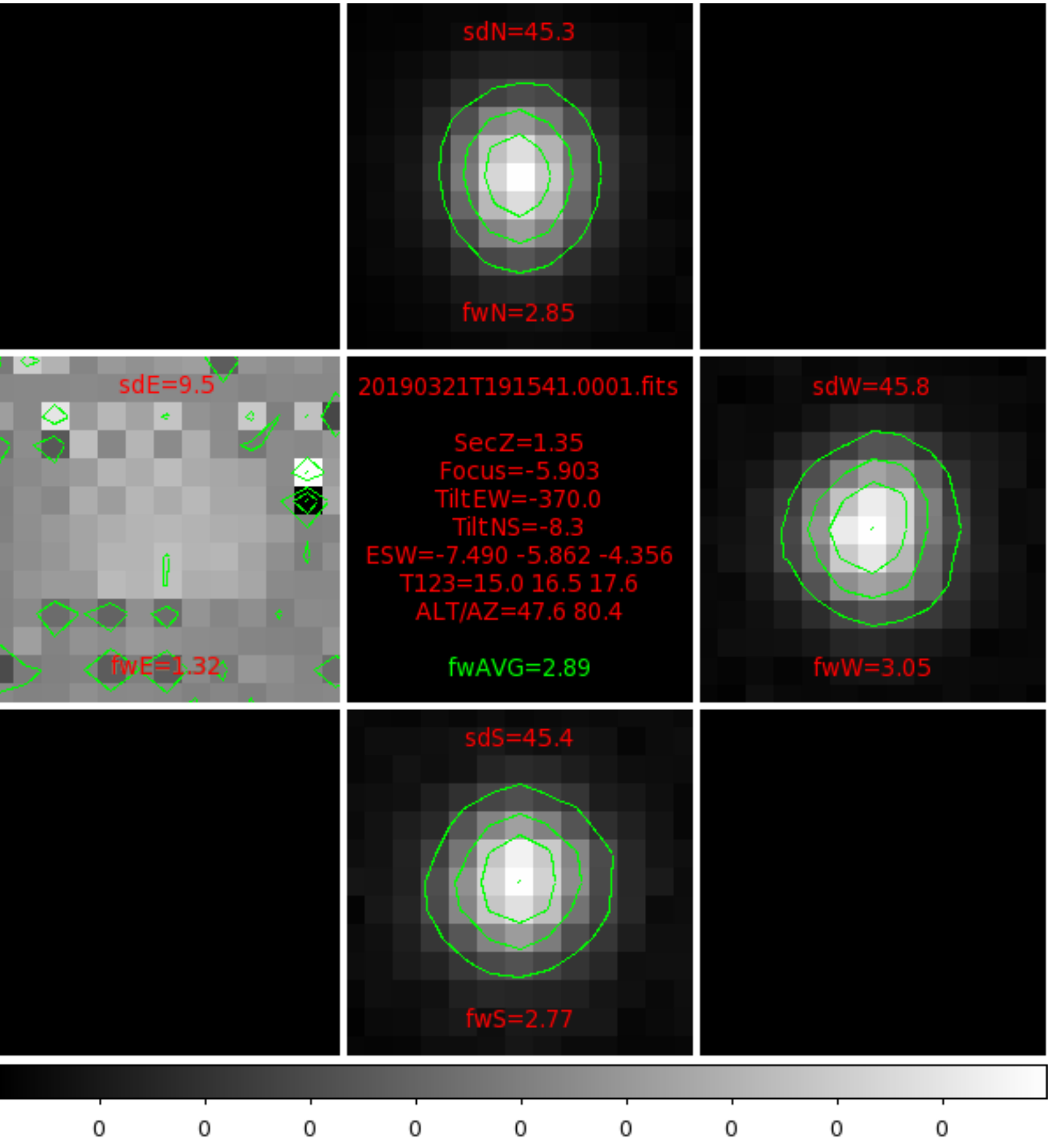
sdN=45.3
fwN=2.85
sdE=9.5
fwE=1.32
20190321T191541.0001.fits
SecZ=1.35
Focus=-5.903
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.490 -5.862 -4.356
T123=15.0 16.5 17.6
ALT/AZ=47.6 80.4
fwAVG=2.89
sdW=45.8
fwW=3.05
sdS=45.4
fwS=2.77
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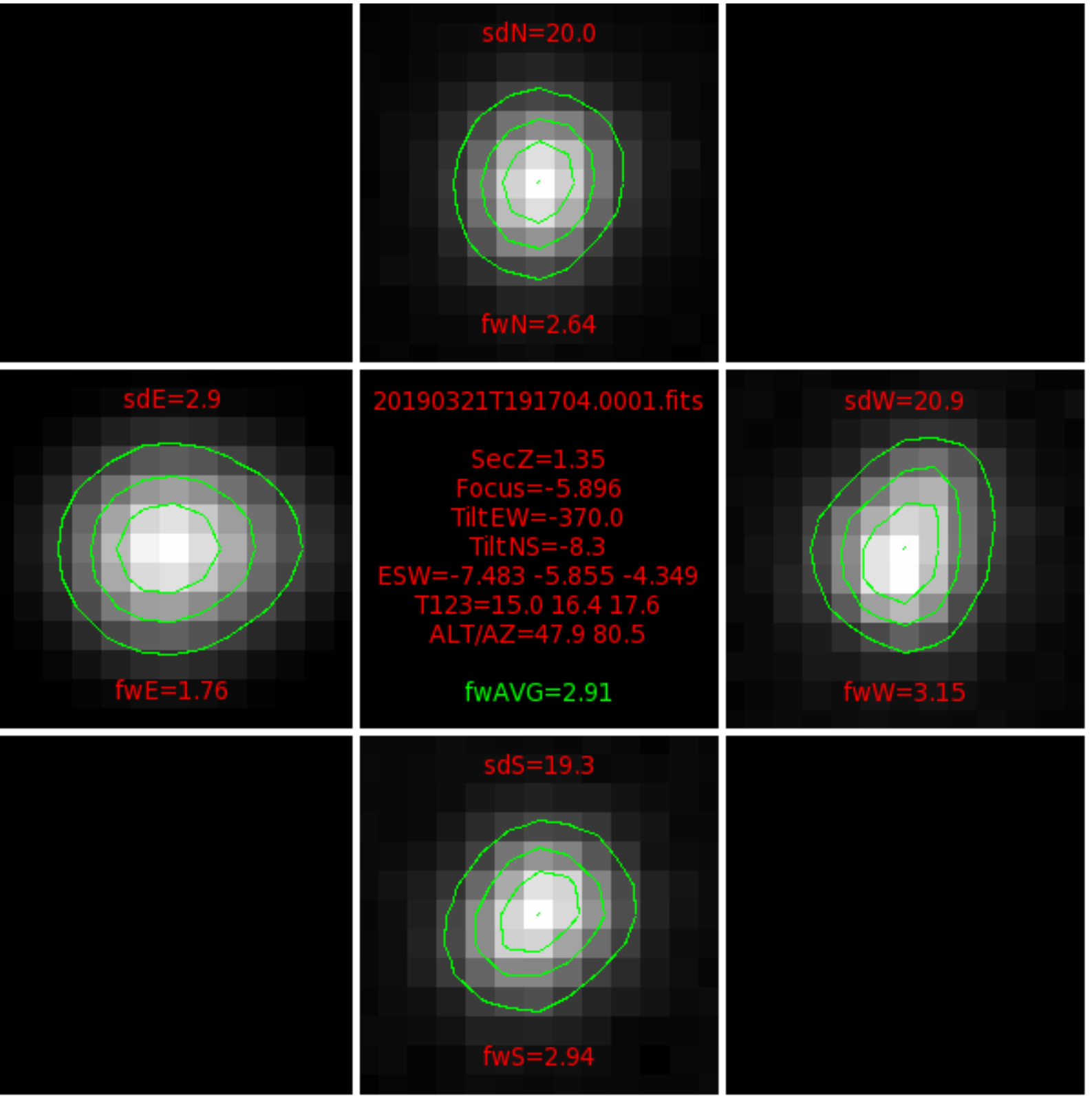
sdN=20.0
fwN=2.64
sdE=2.9
fwE=1.76
20190321T191704.0001.fits
SecZ=1.35
Focus=-5.896
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.483 -5.855 -4.349
T123=15.0 16.4 17.6
ALT/AZ=47.9 80.5
fwAVG=2.91
sdW=20.9
fwW=3.15
sdS=19.3
fwS=2.94
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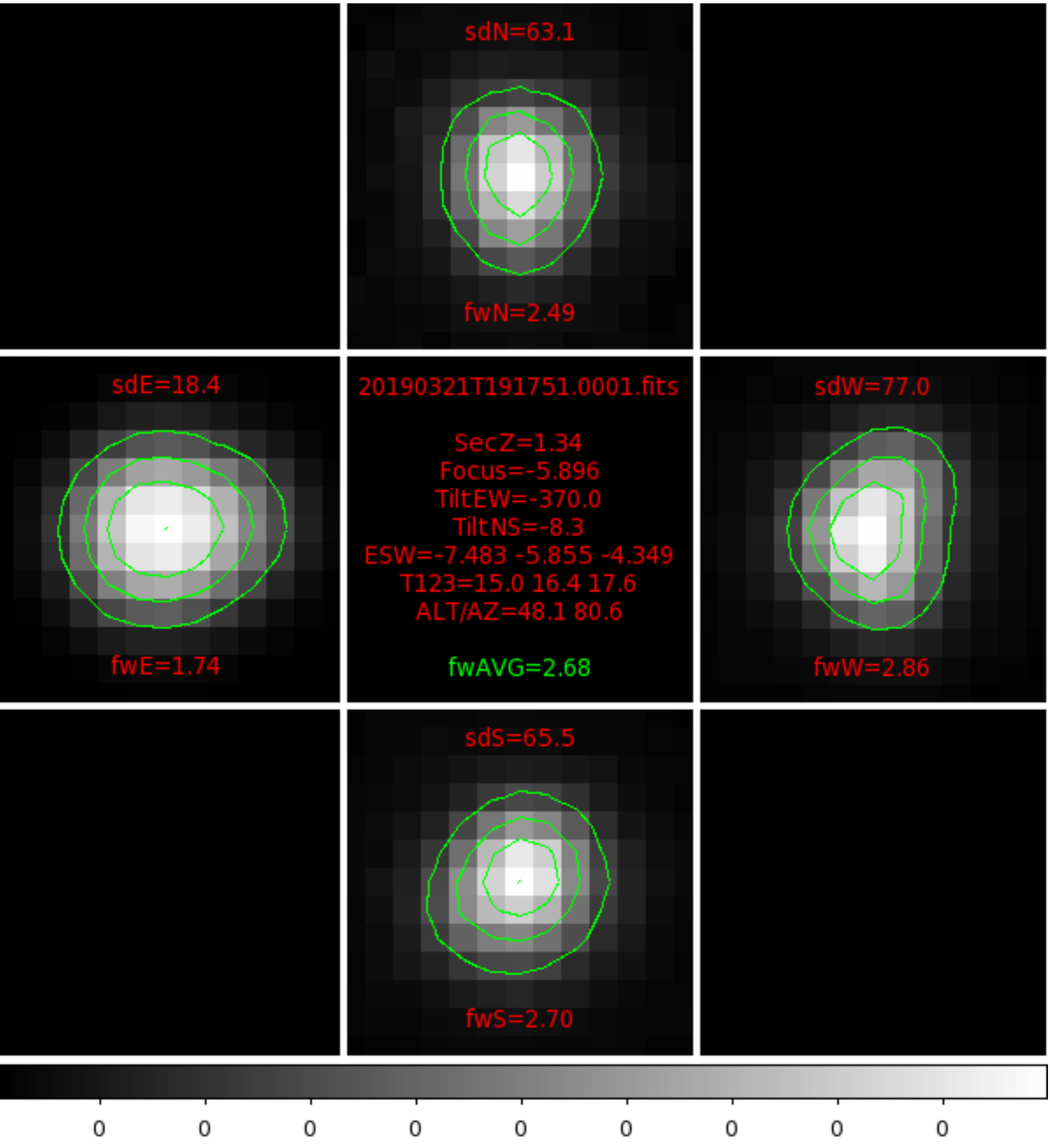
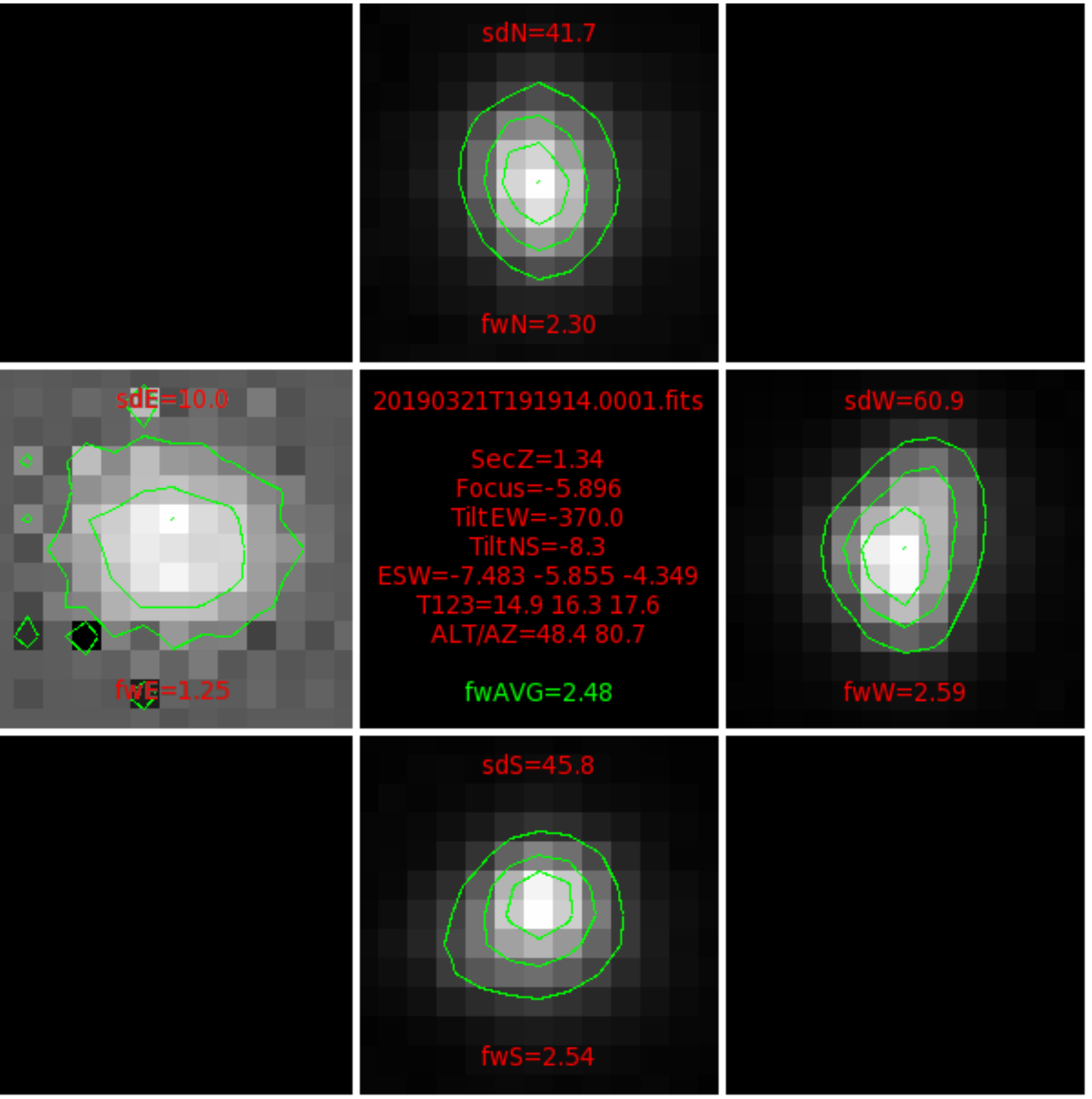

sdN=63.1
fwN=2.49
sdE=18.4
fwE=1.74
20190321T191751.0001.fits
SecZ=1.34
Focus=-5.896
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.483 -5.855 -4.349
T123=15.0 16.4 17.6
ALT/AZ=48.1 80.6
fwAVG=2.68
sdW=77.0
fwW=2.86
sdS=65.5
fwS=2.70
0 0 0 0 0 0 0 0 0


sdN=41.7
fwN=2.30
sdE=10.0
fwE=1.25
20190321T191914.0001.fits
SecZ=1.34
Focus=-5.896
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.483 -5.855 -4.349
T123=14.9 16.3 17.6
ALT/AZ=48.4 80.7
fwAVG=2.48
sdW=60.9
fwW=2.59
sdS=45.8
fwS=2.54
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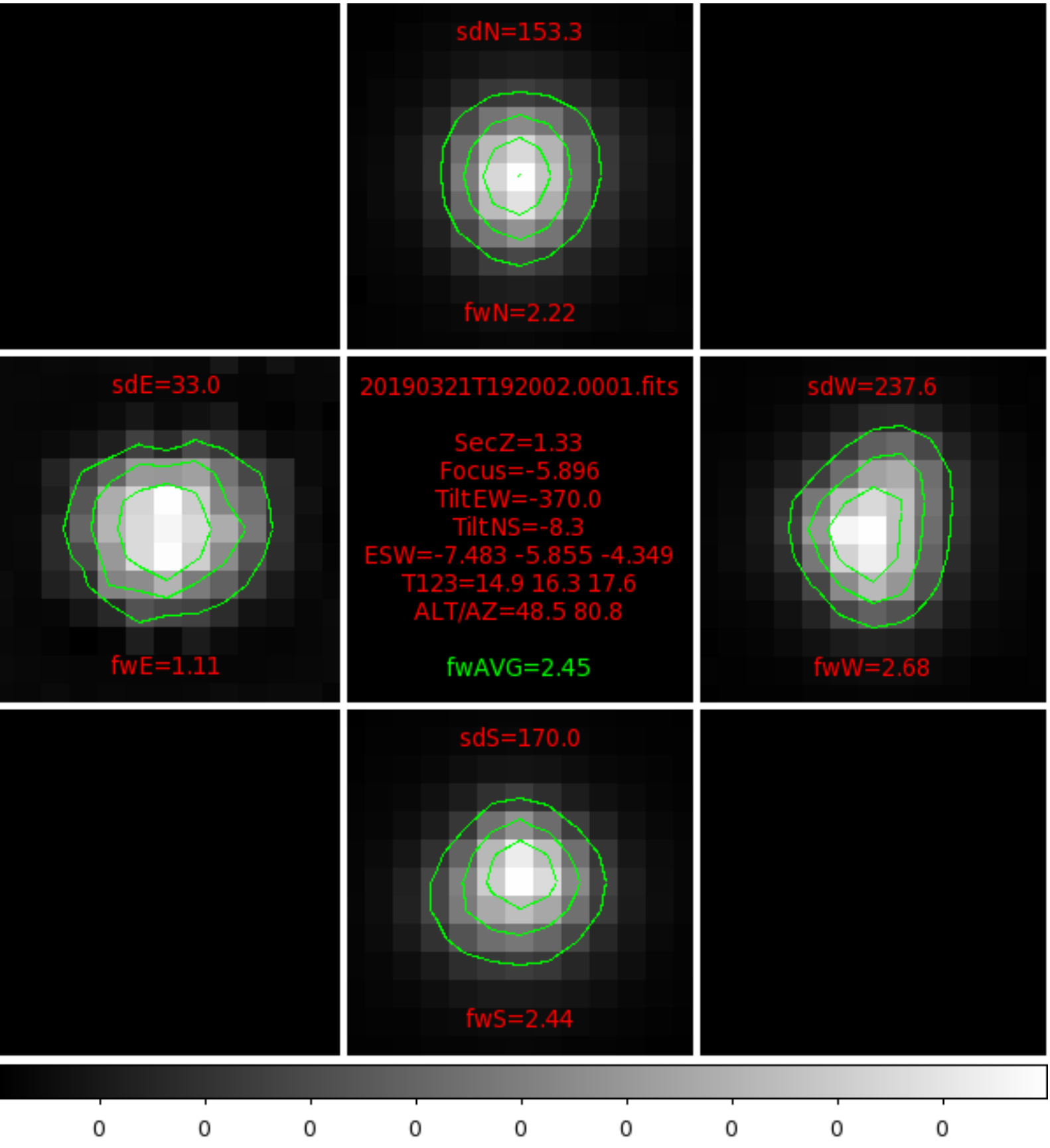
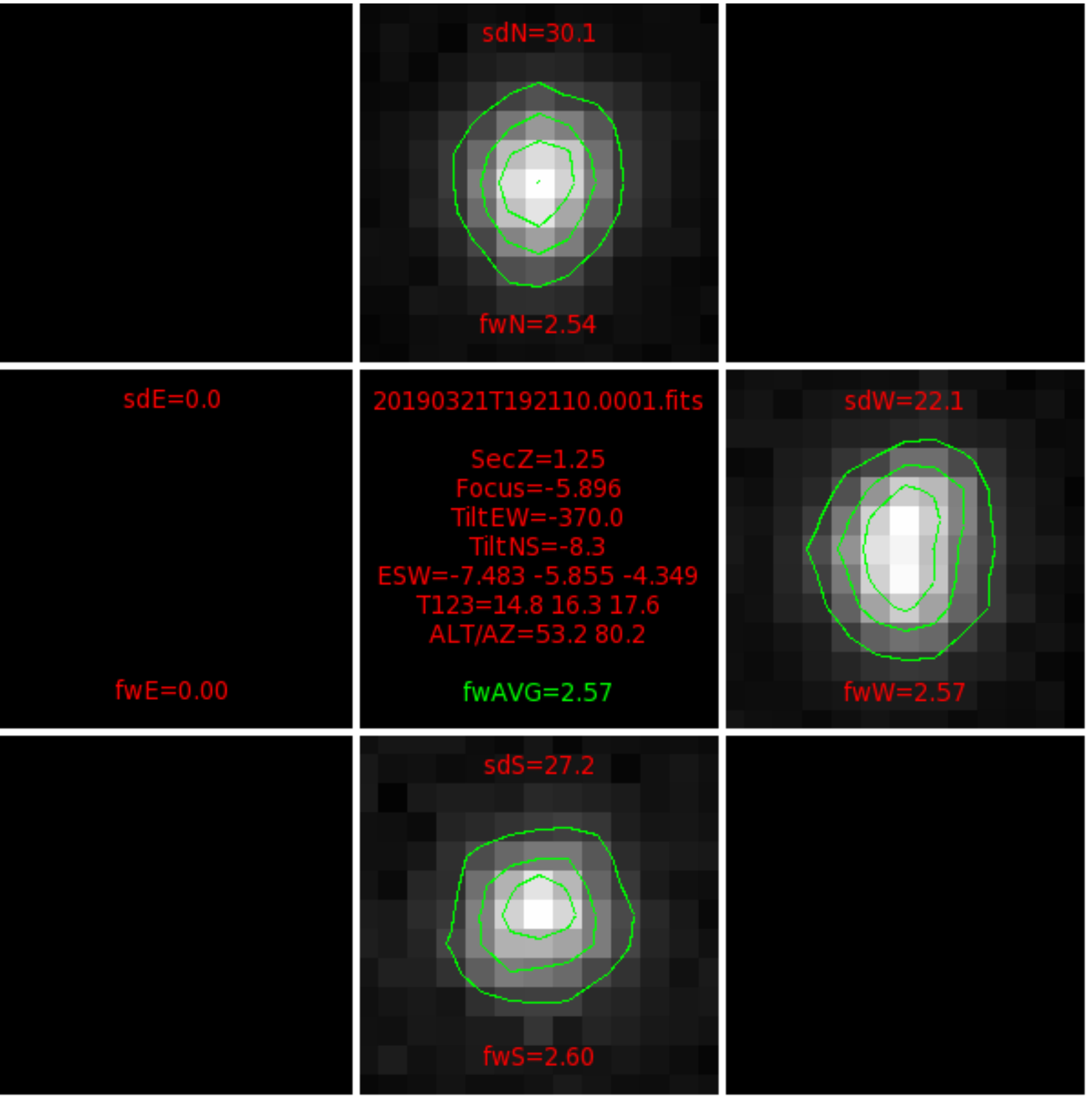
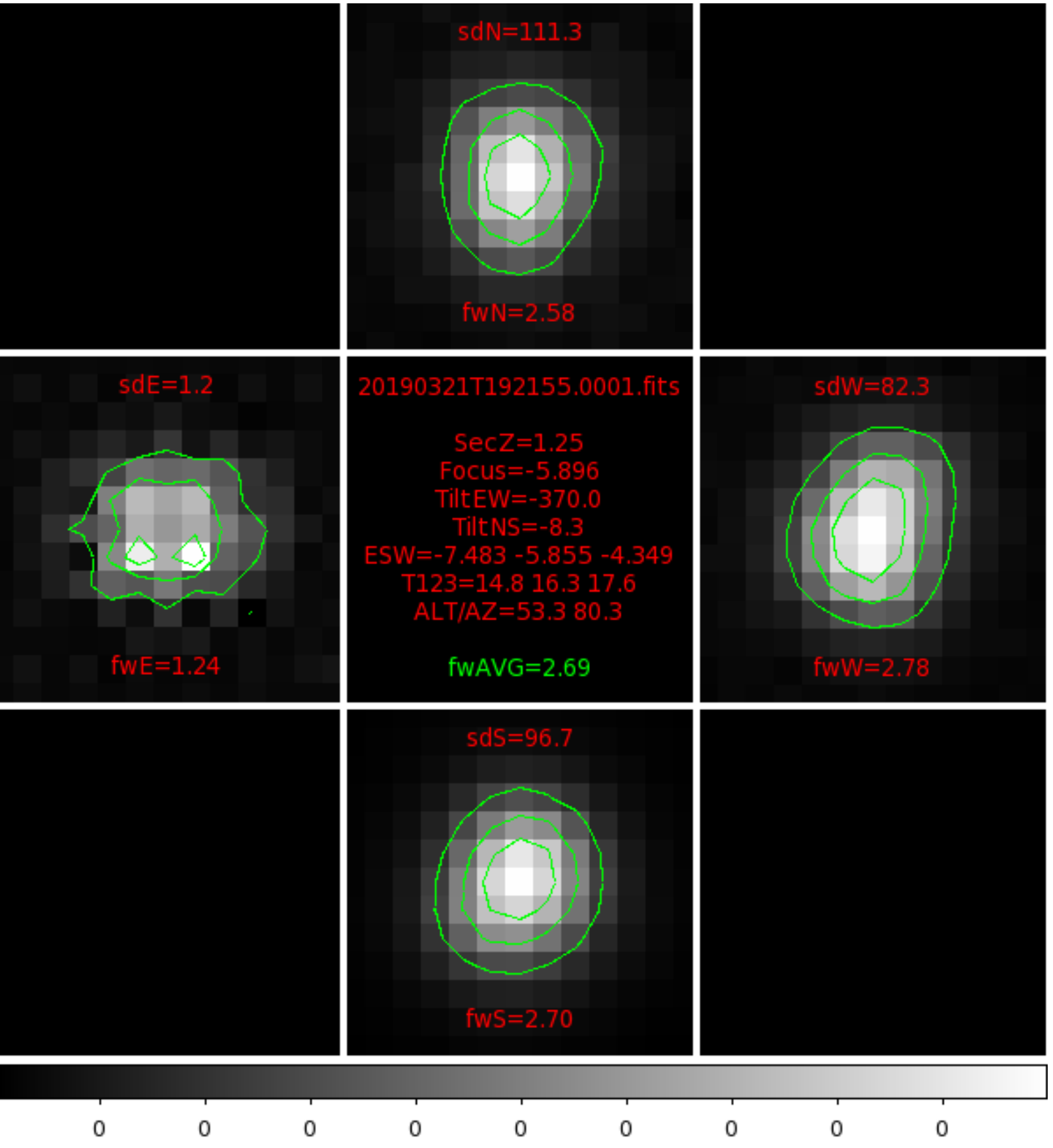

sdN=153.3
fwN=2.22
sdE=33.0
fwE=1.11
20190321T192002.0001.fits
SecZ=1.33
Focus=-5.896
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.483 -5.855 -4.349
T123=14.9 16.3 17.6
ALT/AZ=48.5 80.8
fwAVG=2.45
sdW=237.6
fwW=2.68
sdS=170.0
fwS=2.44
0 0 0 0 0 0 0 0 0


sdN=30.1
fwN=2.54
sdE=0.0
fwE=0.00
20190321T192110.0001.fits
SecZ=1.25
Focus=-5.896
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.483 -5.855 -4.349
T123=14.8 16.3 17.6
ALT/AZ=53.2 80.2
fwAVG=2.57
sdW=22.1
fwW=2.57
sdS=27.2
fwS=2.60
0 0 0 0 0 0 0 0 0


sdN=111.3
fwN=2.58
sdE=1.2
fwE=1.24
20190321T192155.0001.fits
SecZ=1.25
Focus=-5.896
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.483 -5.855 -4.349
T123=14.8 16.3 17.6
ALT/AZ=53.3 80.3
fwAVG=2.69
sdW=82.3
fwW=2.78
sdS=96.7
fwS=2.70
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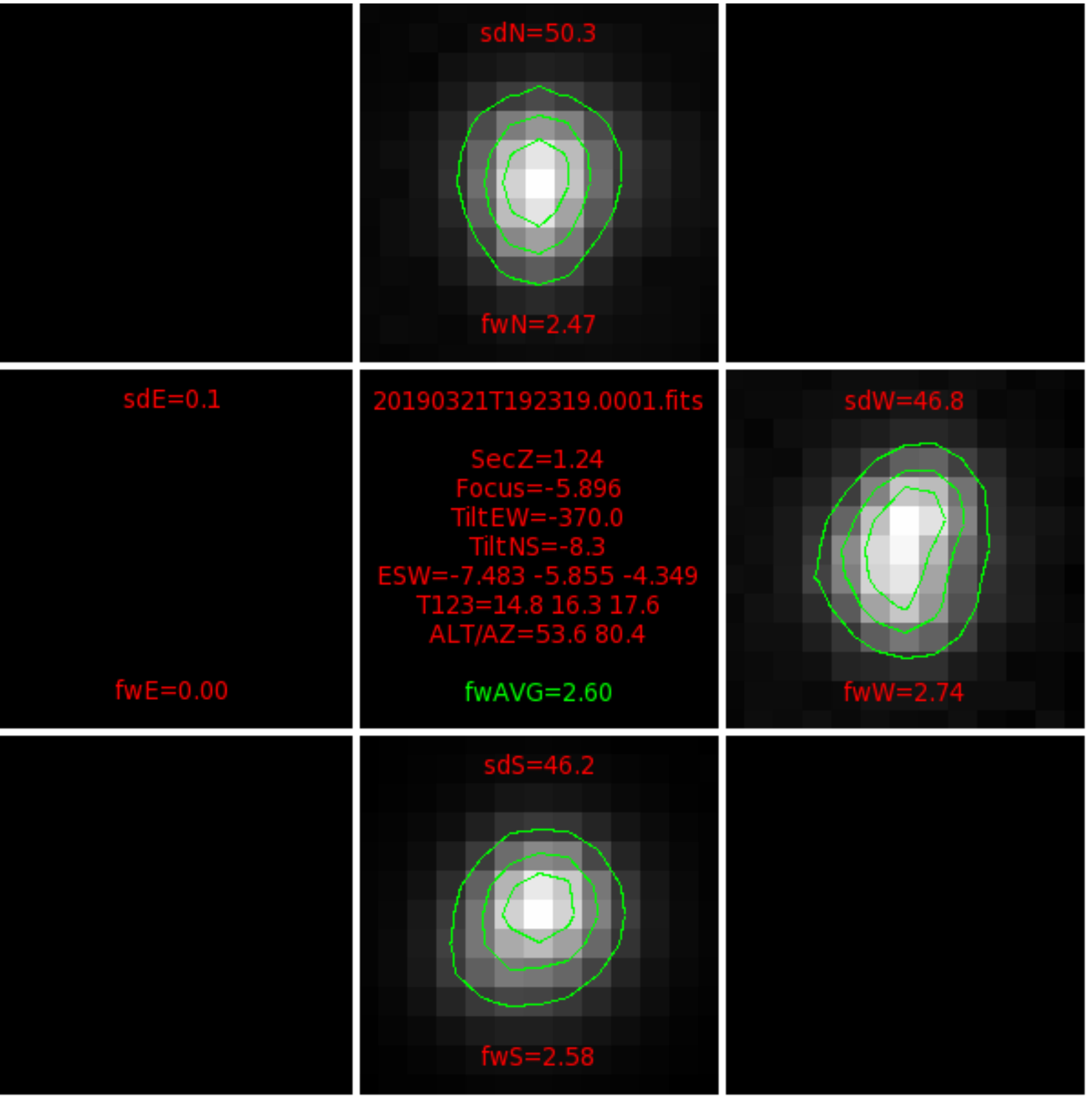
sdN=50.3
fwN=2.47
sdE=0.1
fwE=0.00
20190321T192319.0001.fits
SecZ=1.24
Focus=-5.896
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.483 -5.855 -4.349
T123=14.8 16.3 17.6
ALT/AZ=53.6 80.4
fwAVG=2.60
sdW=46.8
fwW=2.74
sdS=46.2
fwS=2.58
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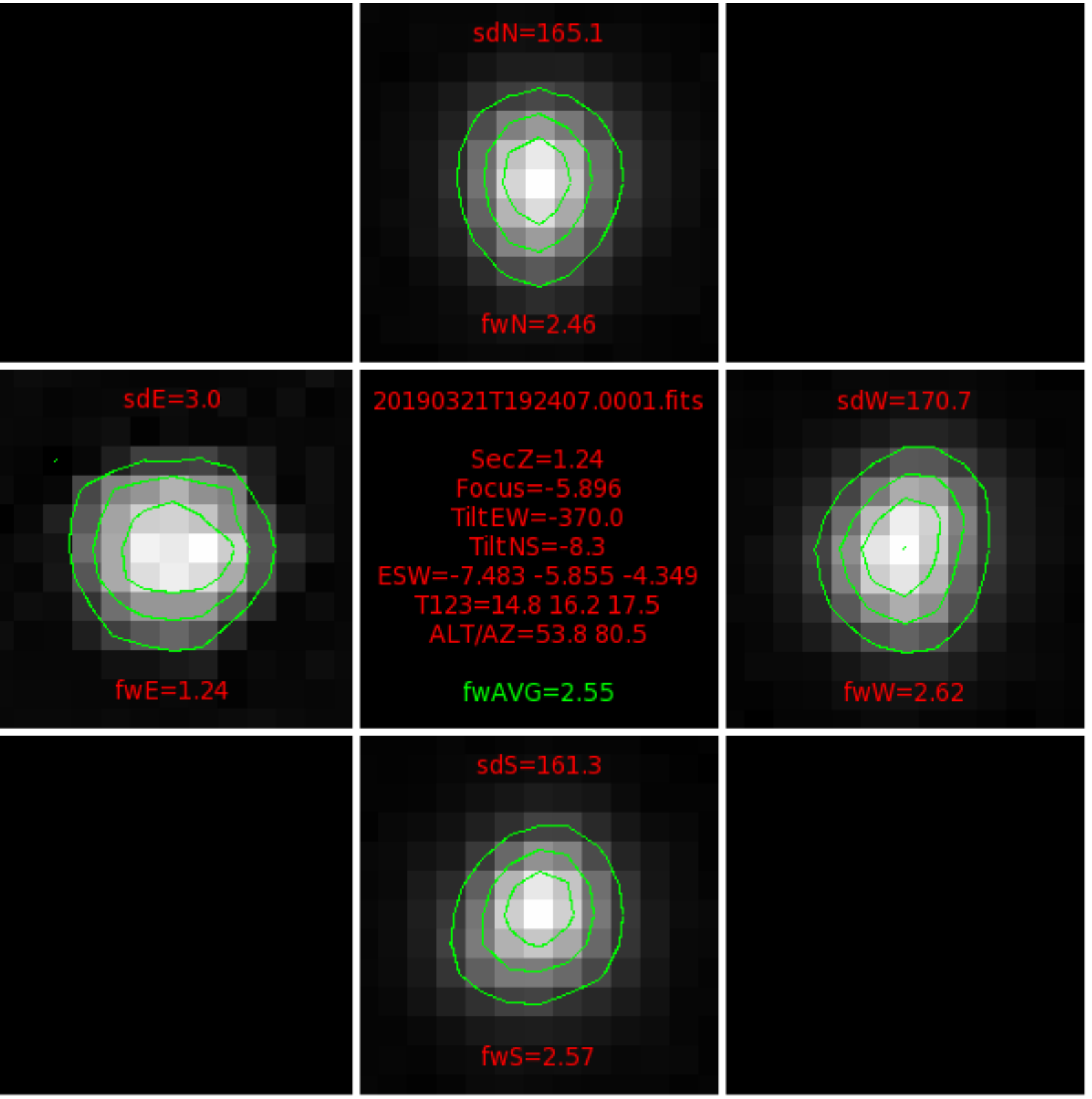
sdN=165.1
fwN=2.46
sdE=3.0
fwE=1.24
20190321T192407.0001.fits
SecZ=1.24
Focus=-5.896
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.483 -5.855 -4.349
T123=14.8 16.2 17.5
ALT/AZ=53.8 80.5
fwAVG=2.55
sdW=170.7
fwW=2.62
sdS=161.3
fwS=2.57
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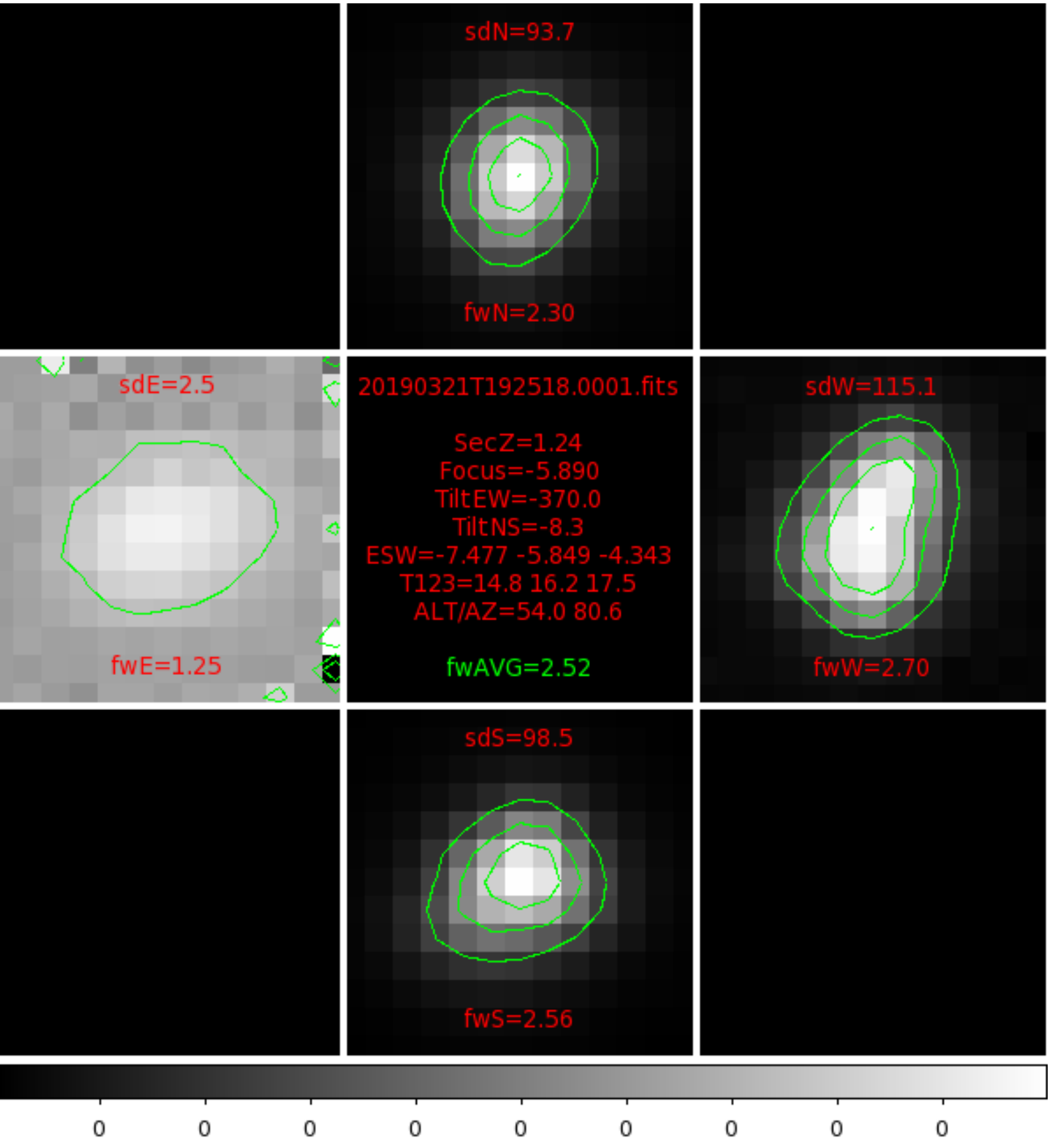
sdN=93.7
fwN=2.30
sdE=2.5
fwE=1.25
20190321T192518.0001.fits
SecZ=1.24
Focus=-5.890
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.477 -5.849 -4.343
T123=14.8 16.2 17.5
ALT/AZ=54.0 80.6
fwAVG=2.52
sdW=115.1
fwW=2.70
sdS=98.5
fwS=2.56
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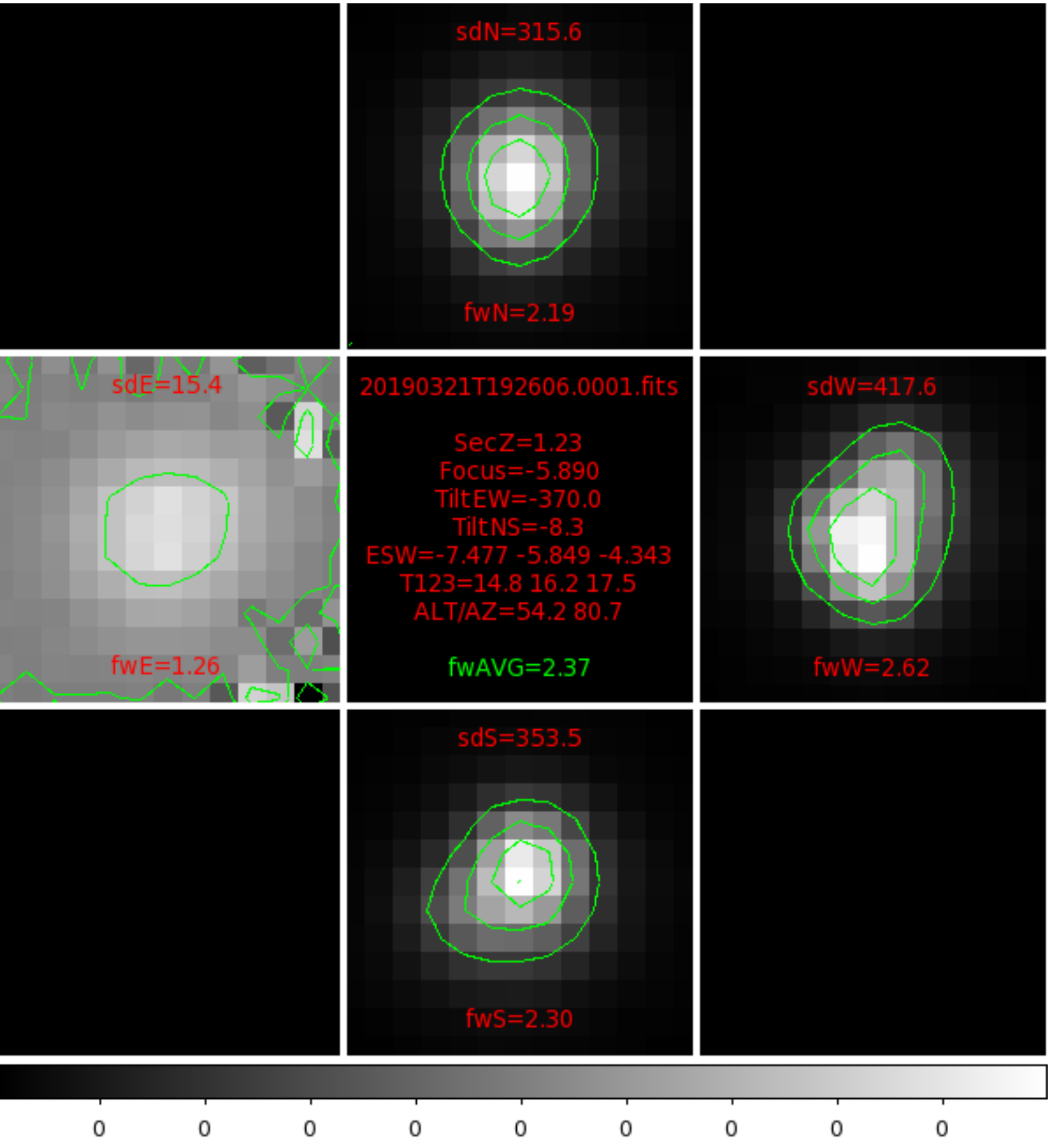
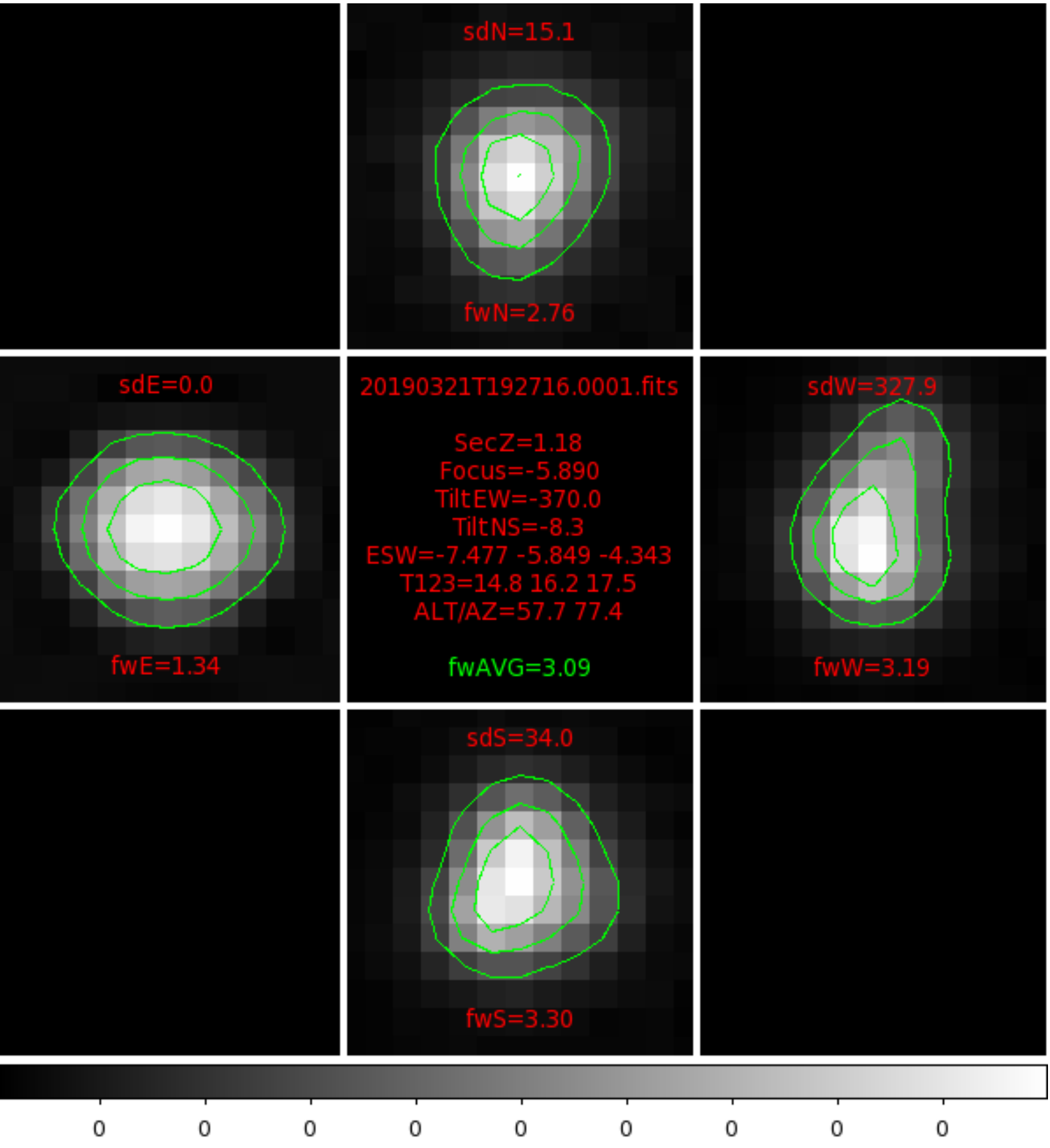
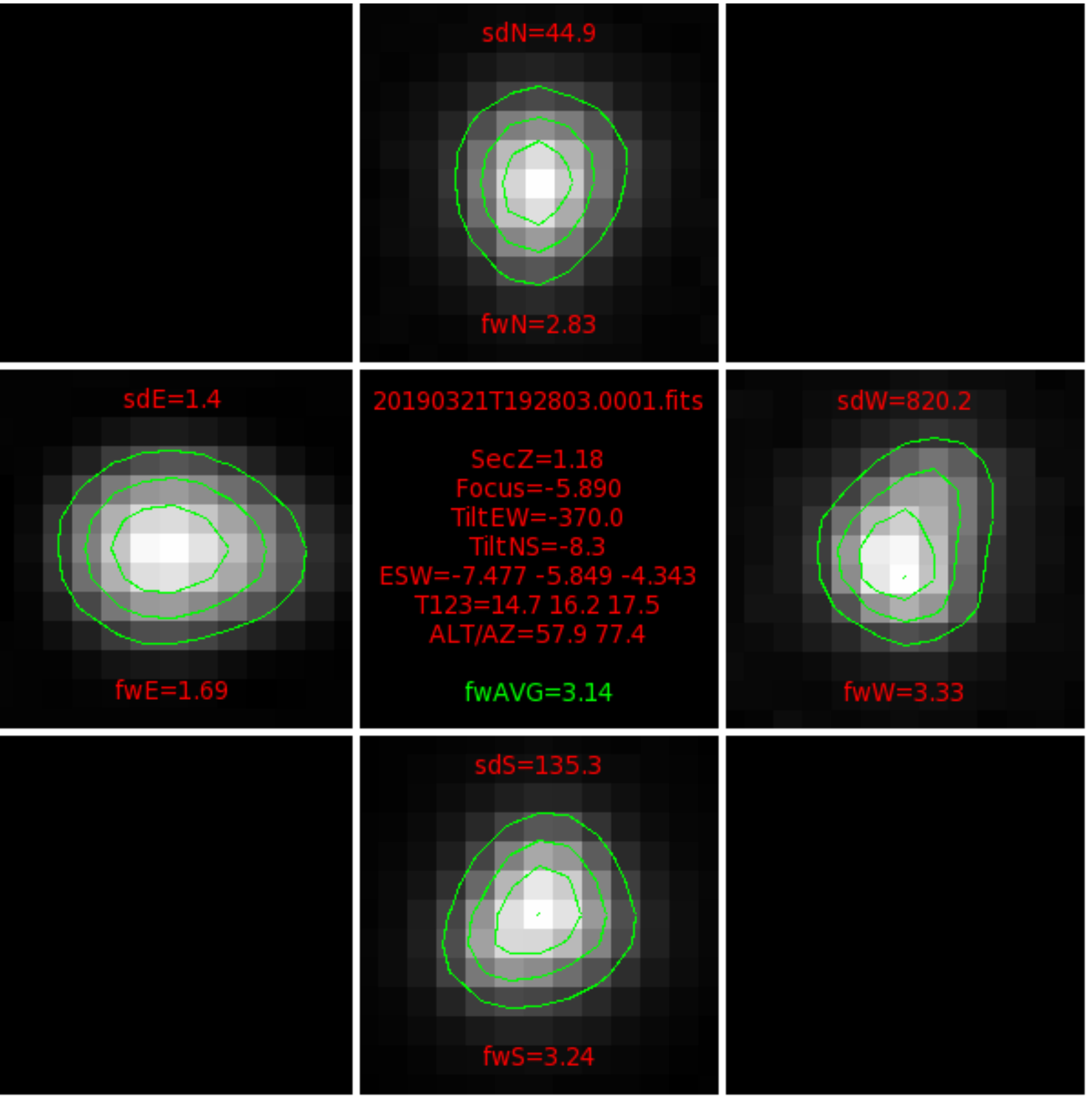
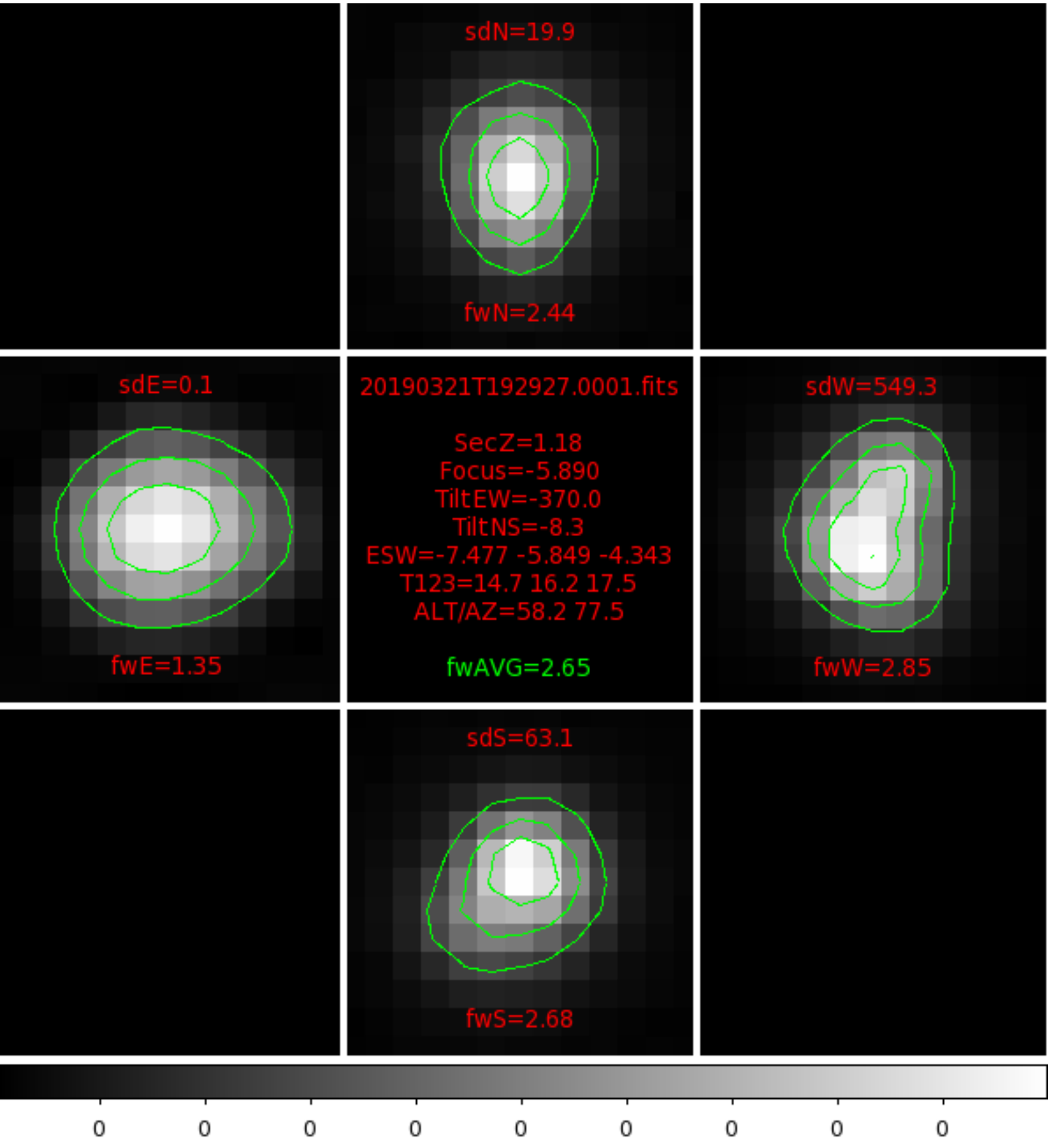

sdN=315.6
fwN=2.19
sdE=15.4
fwE=1.26
20190321T192606.0001.fits
SecZ=1.23
Focus=-5.890
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.477 -5.849 -4.343
T123=14.8 16.2 17.5
ALT/AZ=54.2 80.7
fwAVG=2.37
sdW=417.6
fwW=2.62
sdS=353.5
fwS=2.30
0 0 0 0 0 0 0 0 0


sdN=15.1
fwN=2.76
sdE=0.0
fwE=1.34
20190321T192716.0001.fits
SecZ=1.18
Focus=-5.890
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.477 -5.849 -4.343
T123=14.8 16.2 17.5
ALT/AZ=57.7 77.4
fwAVG=3.09
sdW=327.9
fwW=3.19
sdS=34.0
fwS=3.30
0 0 0 0 0 0 0 0 0


sdN=44.9
fwN=2.83
sdE=1.4
fwE=1.69
20190321T192803.0001.fits
SecZ=1.18
Focus=-5.890
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.477 -5.849 -4.343
T123=14.7 16.2 17.5
ALT/AZ=57.9 77.4
fwAVG=3.14
sdW=820.2
fwW=3.33
sdS=135.3
fwS=3.24
0 0 0 0 0 0 0 0 0


sdN=19.9
fwN=2.44
sdE=0.1
fwE=1.35
20190321T192927.0001.fits
SecZ=1.18
Focus=-5.890
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.477 -5.849 -4.343
T123=14.7 16.2 17.5
ALT/AZ=58.2 77.5
fwAVG=2.65
sdW=549.3
fwW=2.85
sdS=63.1
fwS=2.68
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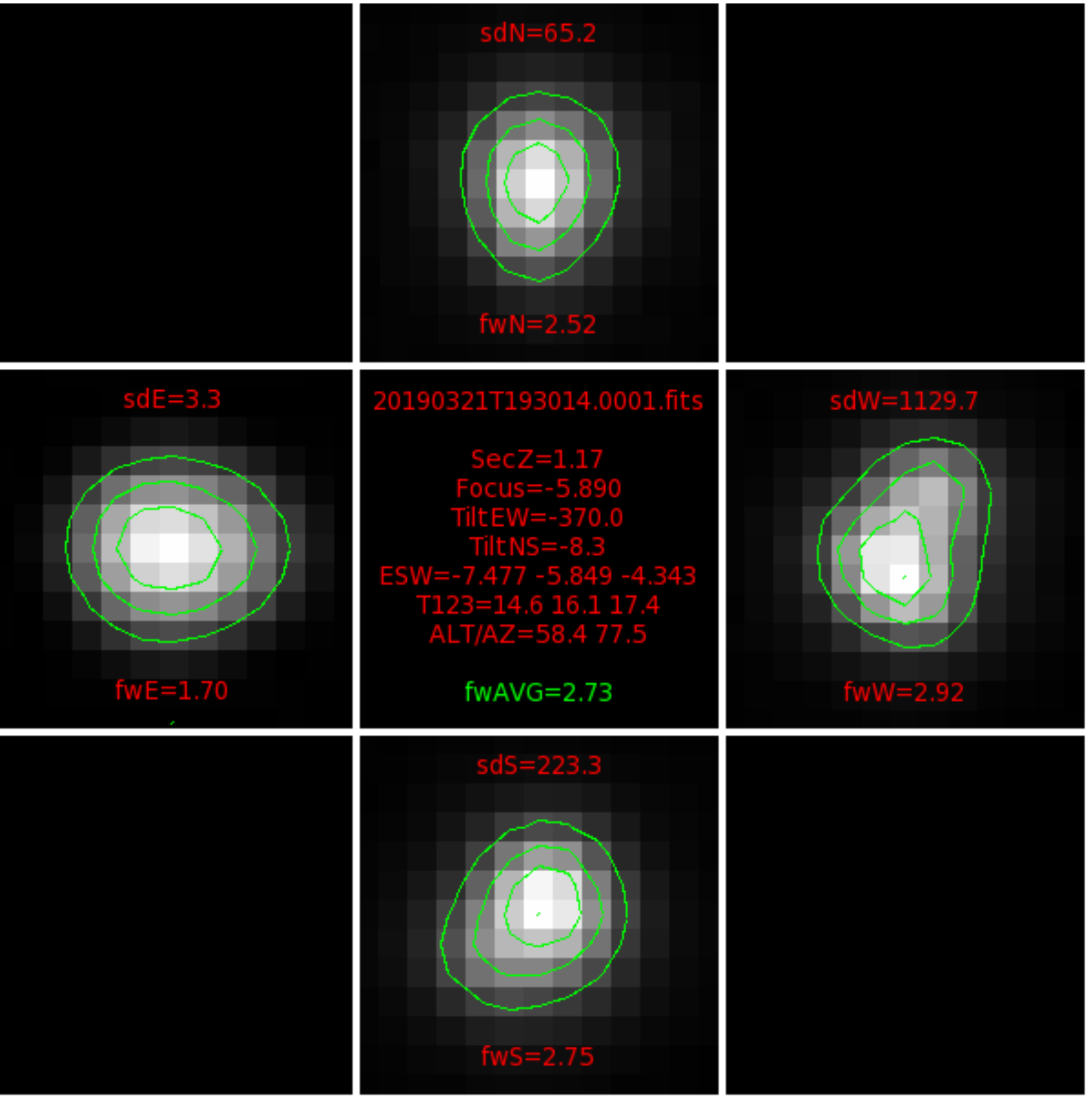
sdN=65.2
fwN=2.52
sdE=3.3
fwE=1.70
20190321T193014.0001.fits
SecZ=1.17
Focus=-5.890
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.477 -5.849 -4.343
T123=14.6 16.1 17.4
ALT/AZ=58.4 77.5
fwAVG=2.73
sdW=1129.7
fwW=2.92
sdS=223.3
fwS=2.75
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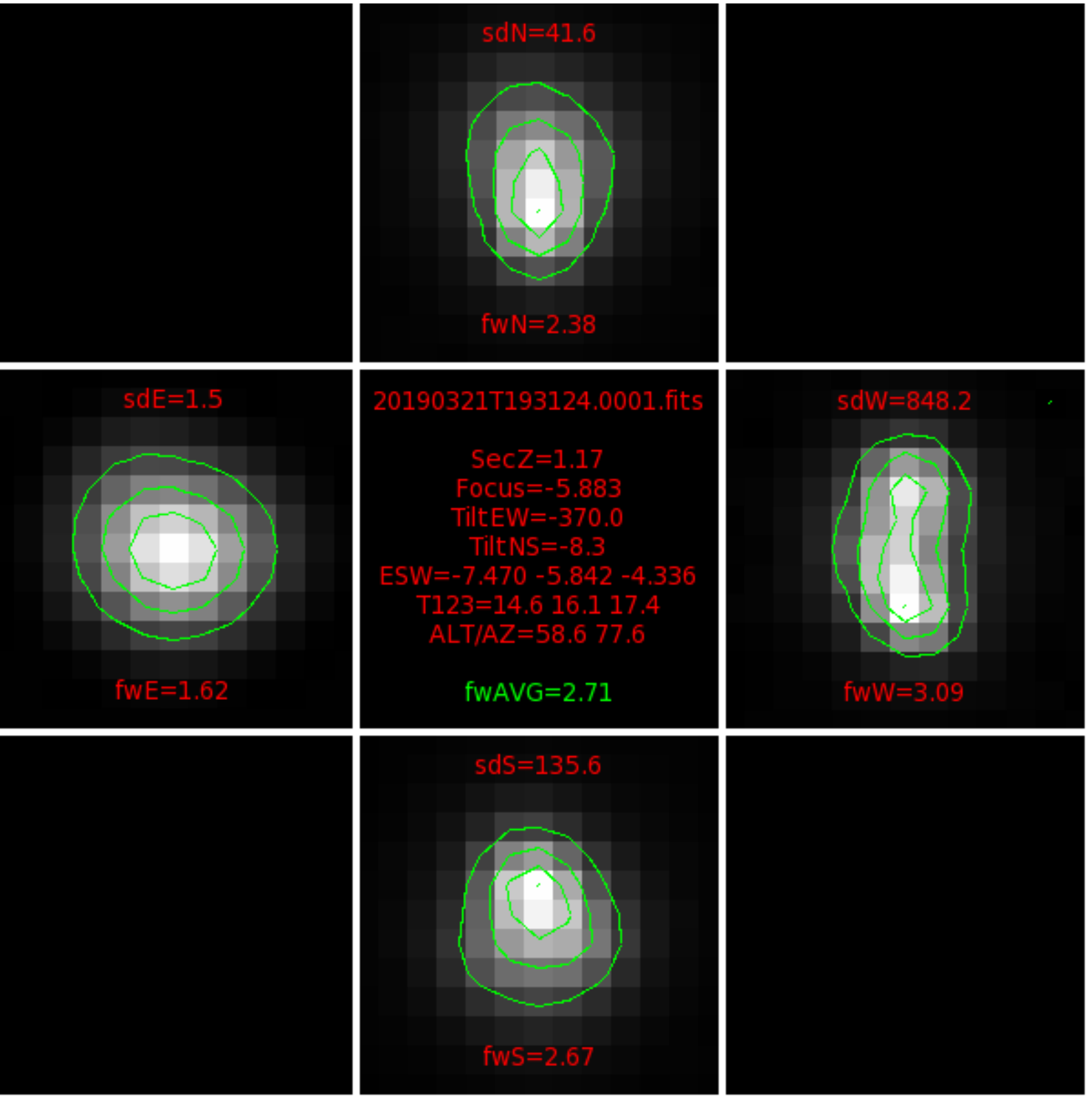
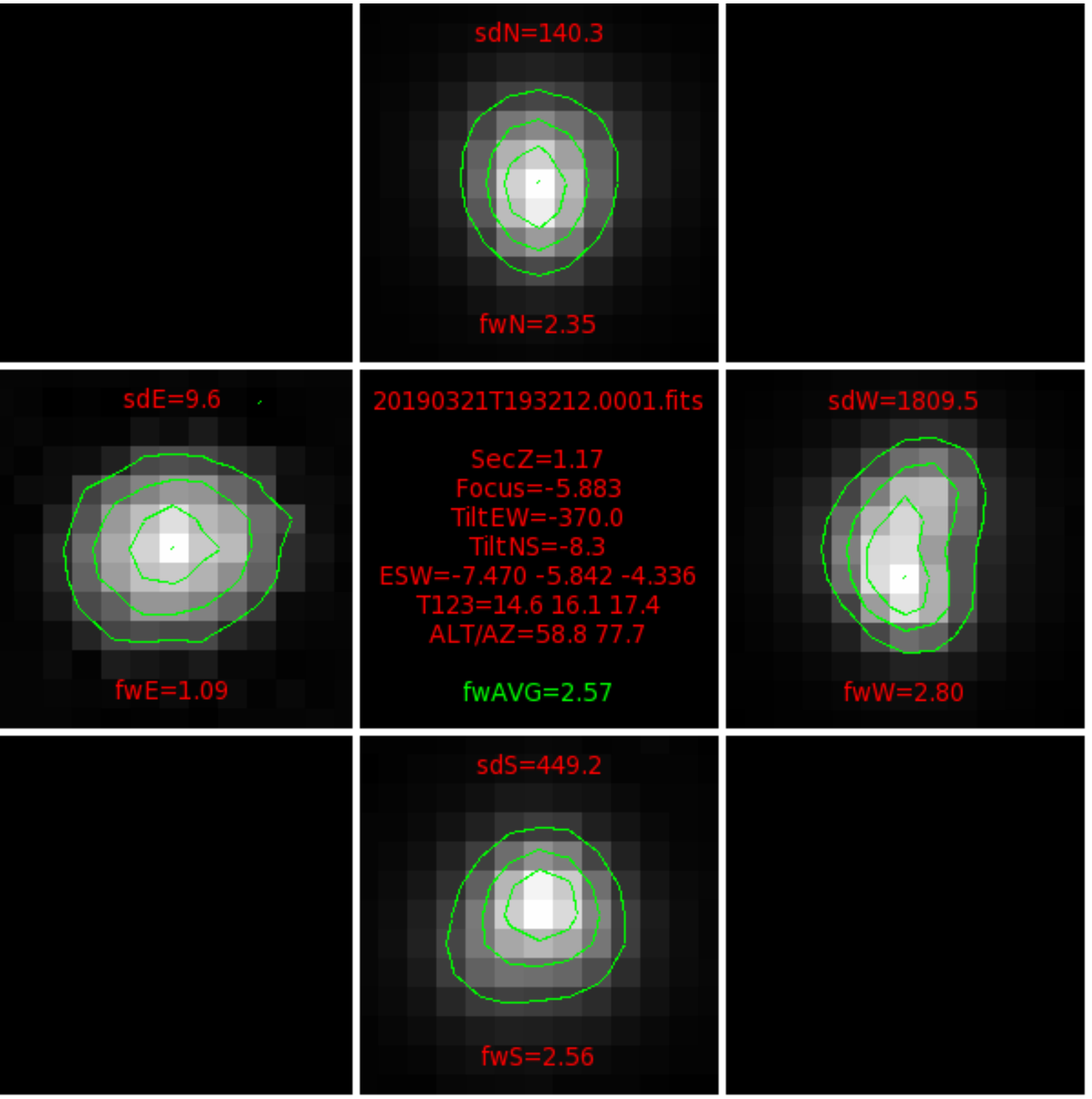

sdN=41.6
fwN=2.38
sdE=1.5
fwE=1.62
20190321T193124.0001.fits
SecZ=1.17
Focus=-5.883
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.470 -5.842 -4.336
T123=14.6 16.1 17.4
ALT/AZ=58.6 77.6
fwAVG=2.71
sdW=848.2
fwW=3.09
sdS=135.6
fwS=2.67
0 0 0 0 0 0 0 0 0


sdN=140.3
fwN=2.35
sdE=9.6
fwE=1.09
20190321T193212.0001.fits
SecZ=1.17
Focus=-5.883
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.470 -5.842 -4.336
T123=14.6 16.1 17.4
ALT/AZ=58.8 77.7
fwAVG=2.57
sdW=1809.5
fwW=2.80
sdS=449.2
fwS=2.56
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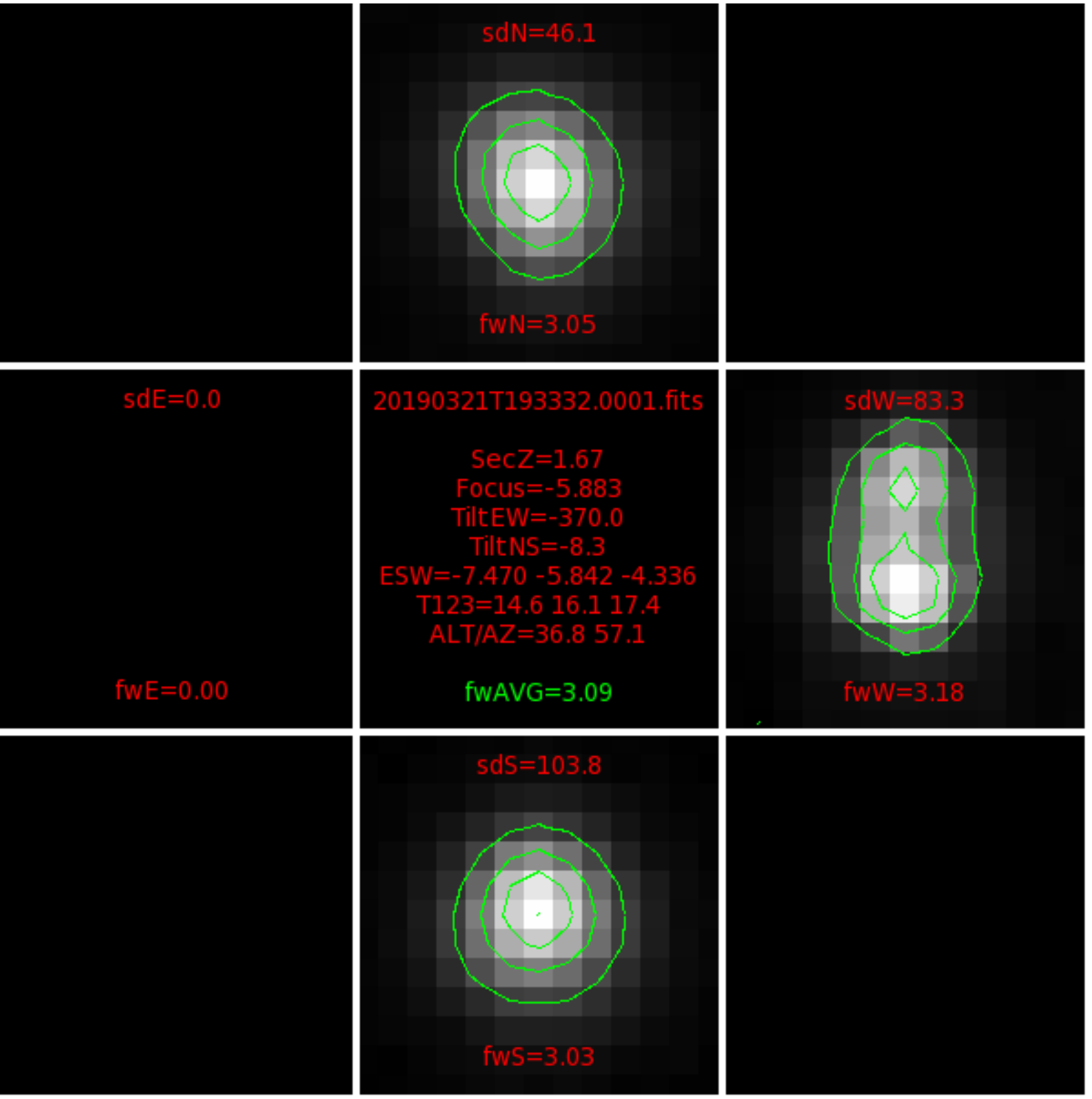
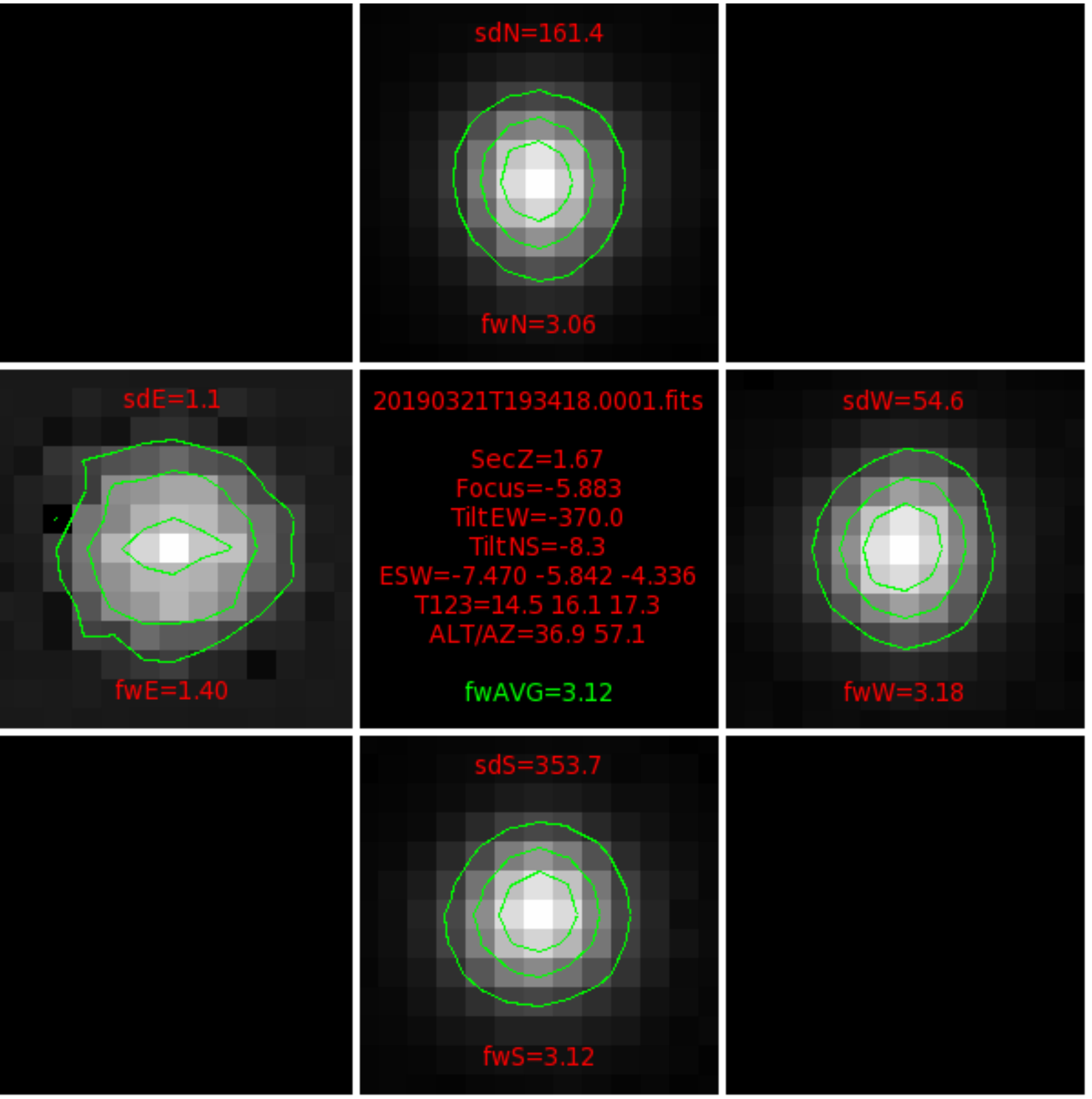
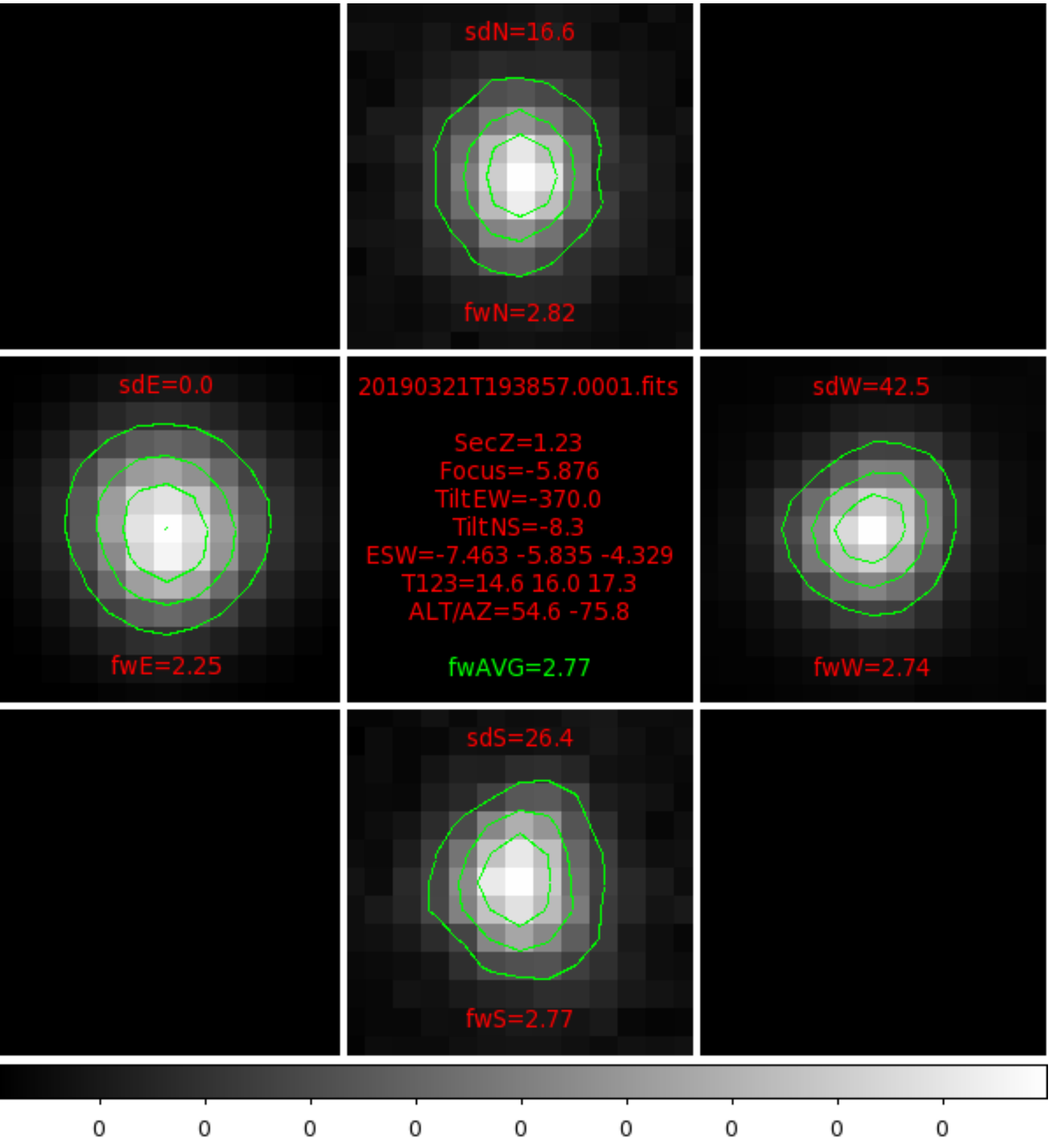
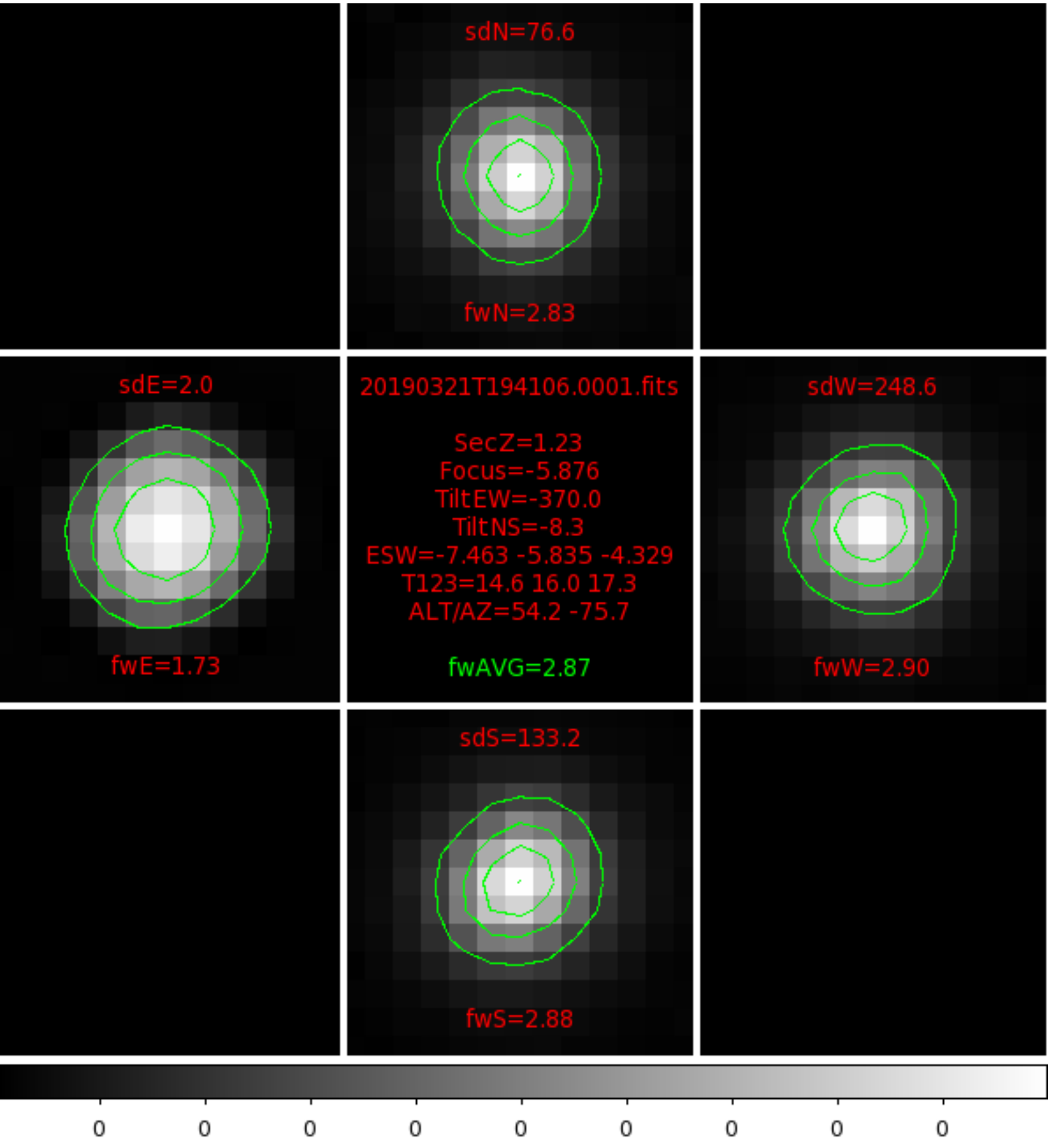
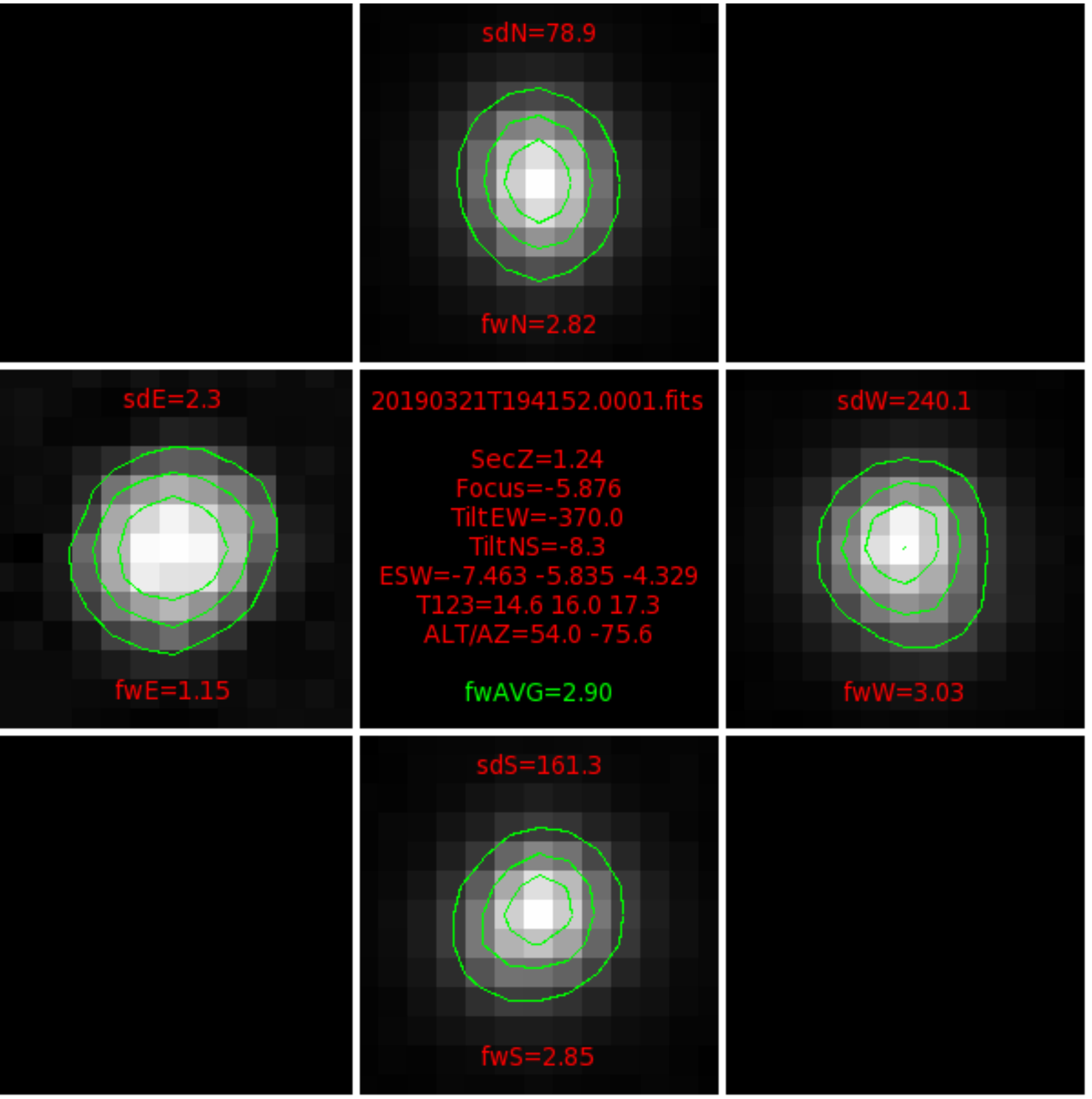

sdN=46.1
fwN=3.05
sdE=0.0
fwE=0.00
20190321T193332.0001.fits
SecZ=1.67
Focus=-5.883
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.470 -5.842 -4.336
T123=14.6 16.1 17.4
ALT/AZ=36.8 57.1
fwAVG=3.09
sdW=83.3
fwW=3.18
sdS=103.8
fwS=3.03
0 0 0 0 0 0 0 0 0


sdN=161.4
fwN=3.06
sdE=1.1
fwE=1.40
20190321T193418.0001.fits
SecZ=1.67
Focus=-5.883
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.470 -5.842 -4.336
T123=14.5 16.1 17.3
ALT/AZ=36.9 57.1
fwAVG=3.12
sdW=54.6
fwW=3.18
sdS=353.7
fwS=3.12
0 0 0 0 0 0 0 0 0


sdN=16.6
fwN=2.82
sdE=0.0
fwE=2.25
20190321T193857.0001.fits
SecZ=1.23
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=14.6 16.0 17.3
ALT/AZ=54.6 -75.8
fwAVG=2.77
sdW=42.5
fwW=2.74
sdS=26.4
fwS=2.77
0 0 0 0 0 0 0 0 0


sdN=76.6
fwN=2.83
sdE=2.0
fwE=1.73
20190321T194106.0001.fits
SecZ=1.23
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=14.6 16.0 17.3
ALT/AZ=54.2 -75.7
fwAVG=2.87
sdW=248.6
fwW=2.90
sdS=133.2
fwS=2.88
0 0 0 0 0 0 0 0 0


sdN=78.9
fwN=2.82
sdE=2.3
fwE=1.15
20190321T194152.0001.fits
SecZ=1.24
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=14.6 16.0 17.3
ALT/AZ=54.0 -75.6
fwAVG=2.90
sdW=240.1
fwW=3.03
sdS=161.3
fwS=2.85
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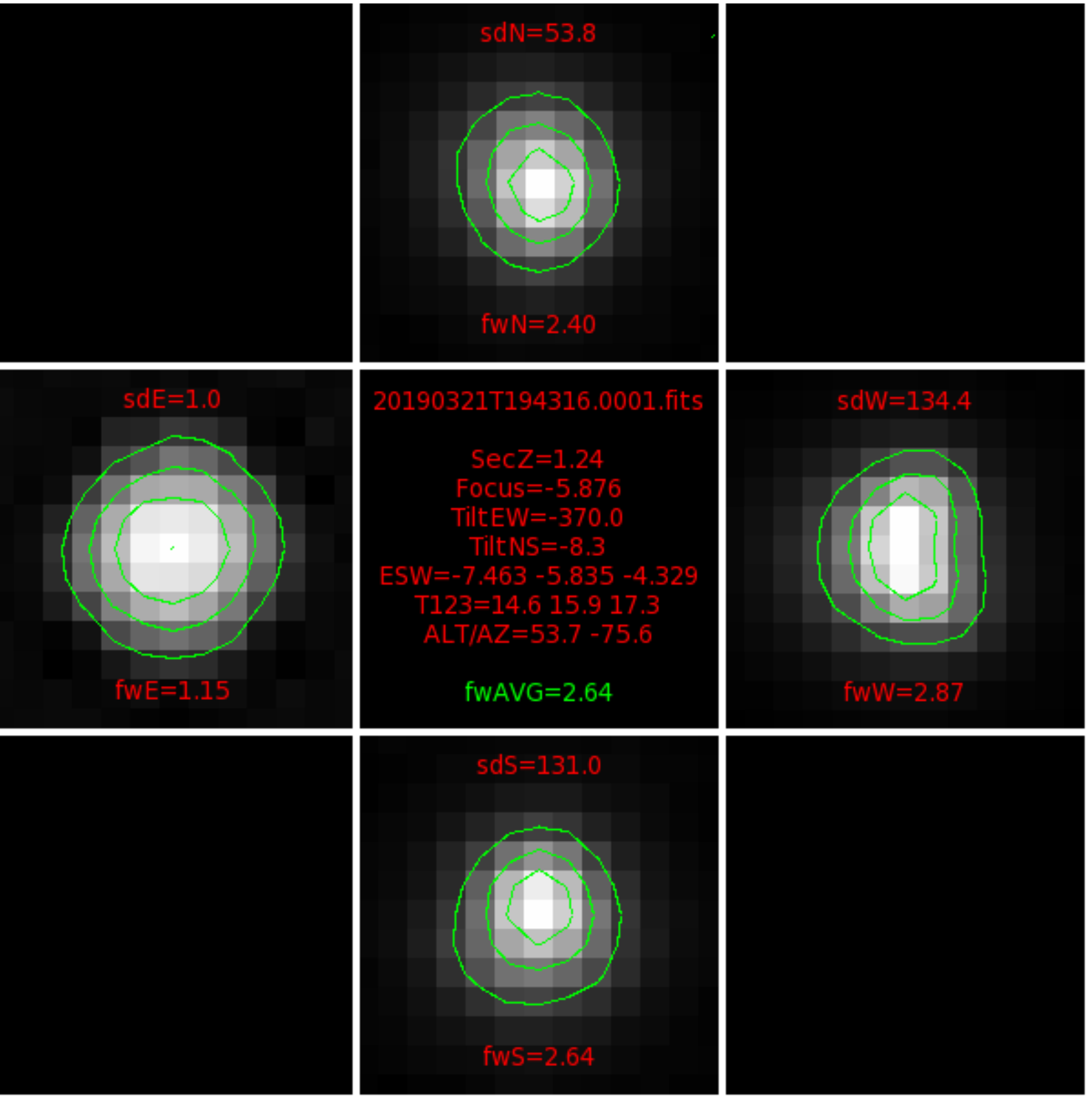
sdN=53.8
fwN=2.40
sdE=1.0
fwE=1.15
20190321T194316.0001.fits
SecZ=1.24
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=14.6 15.9 17.3
ALT/AZ=53.7 -75.6
fwAVG=2.64
sdW=134.4
fwW=2.87
sdS=131.0
fwS=2.64
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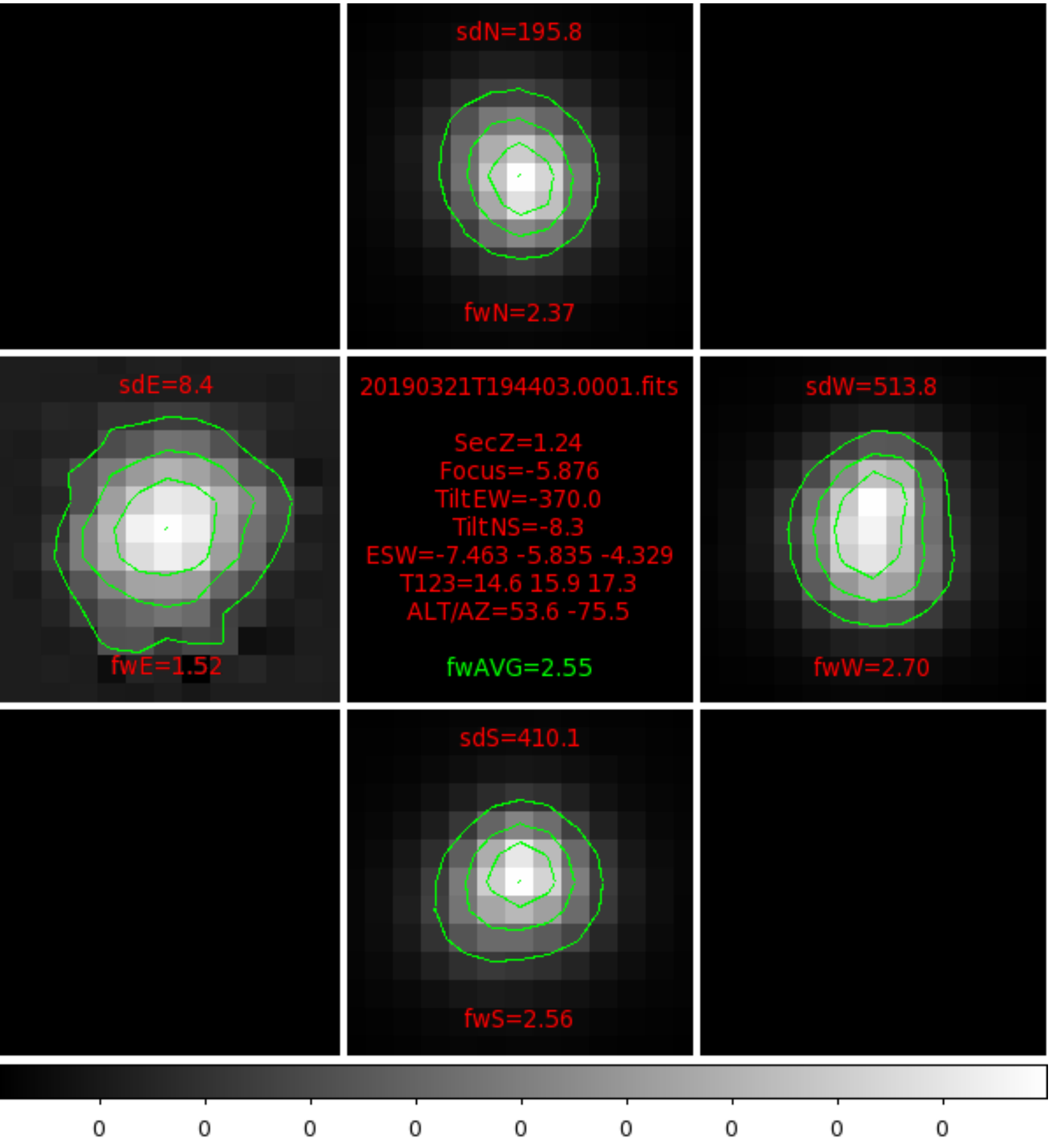
sdN=195.8
fwN=2.37
sdE=8.4
fwE=1.52
20190321T194403.0001.fits
SecZ=1.24
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=14.6 15.9 17.3
ALT/AZ=53.6 -75.5
fwAVG=2.55
sdW=513.8
fwW=2.70
sdS=410.1
fwS=2.56
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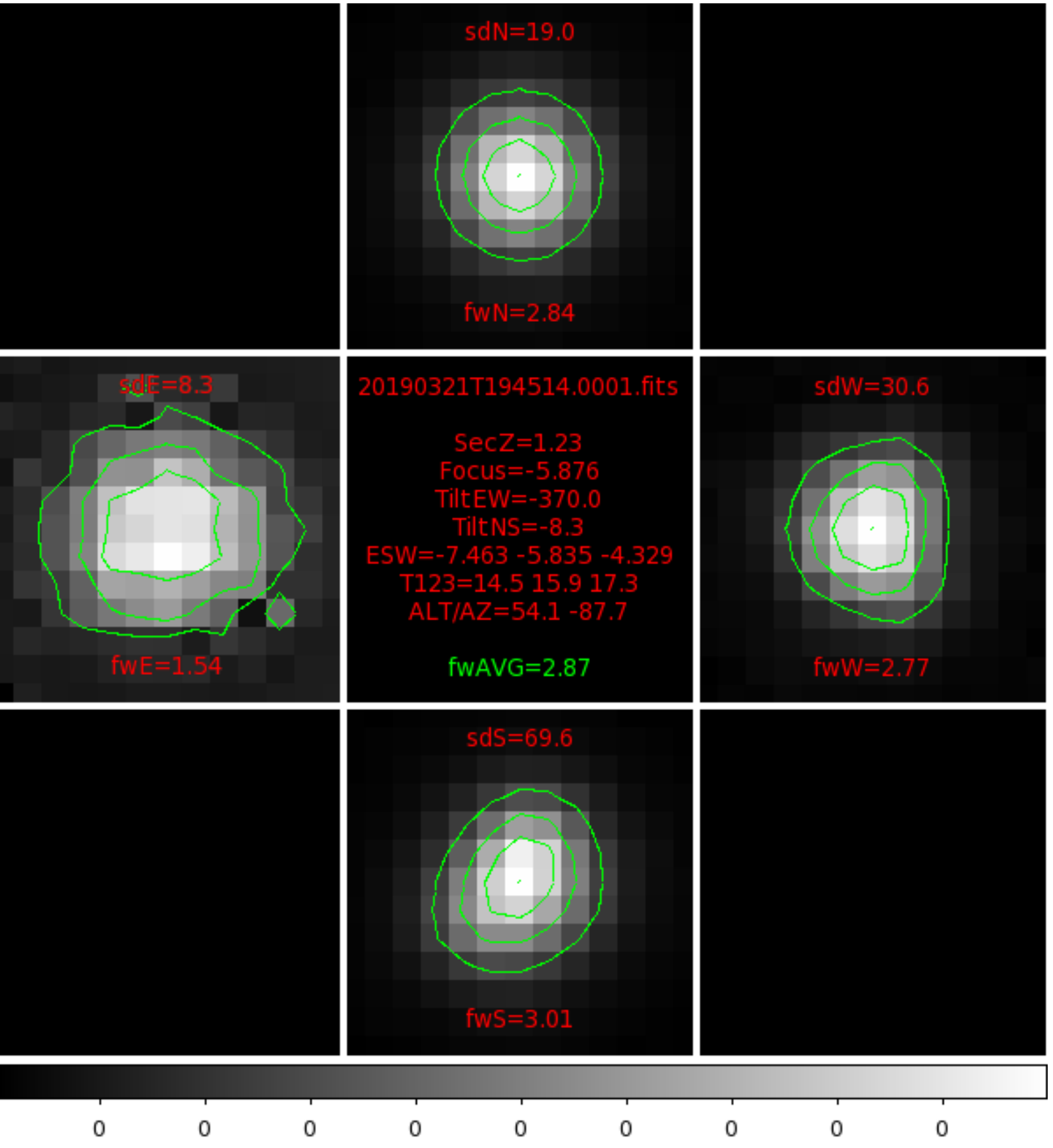
sdN=19.0
fwN=2.84
sdE=8.3
fwE=1.54
20190321T194514.0001.fits
SecZ=1.23
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=14.5 15.9 17.3
ALT/AZ=54.1 -87.7
fwAVG=2.87
sdW=30.6
fwW=2.77
sdS=69.6
fwS=3.01
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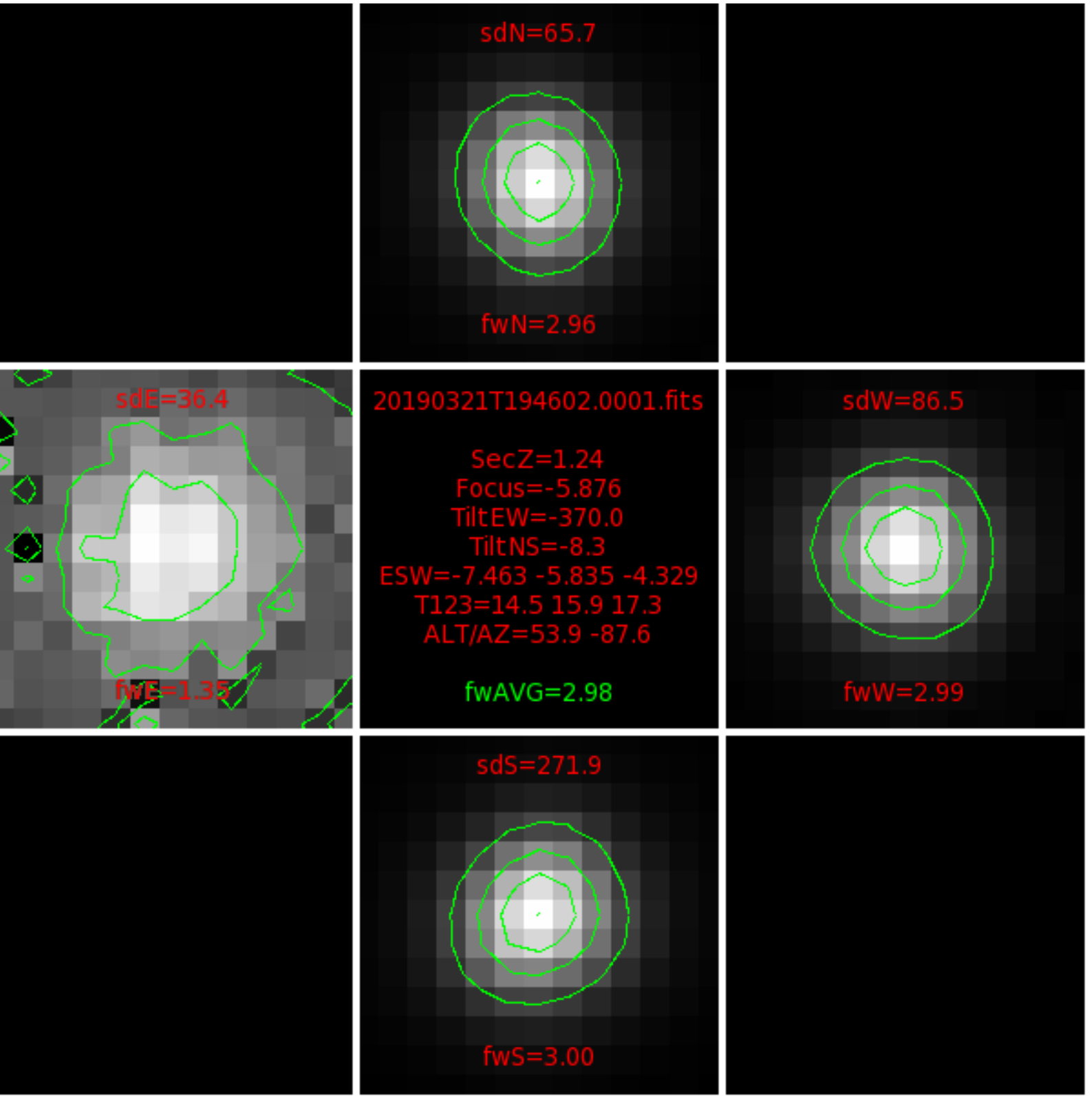
sdN=65.7
fwN=2.96
sdE=36.4
fwE=1.35
20190321T194602.0001.fits
SecZ=1.24
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=14.5 15.9 17.3
ALT/AZ=53.9 -87.6
fwAVG=2.98
sdW=86.5
fwW=2.99
sdS=271.9
fwS=3.00
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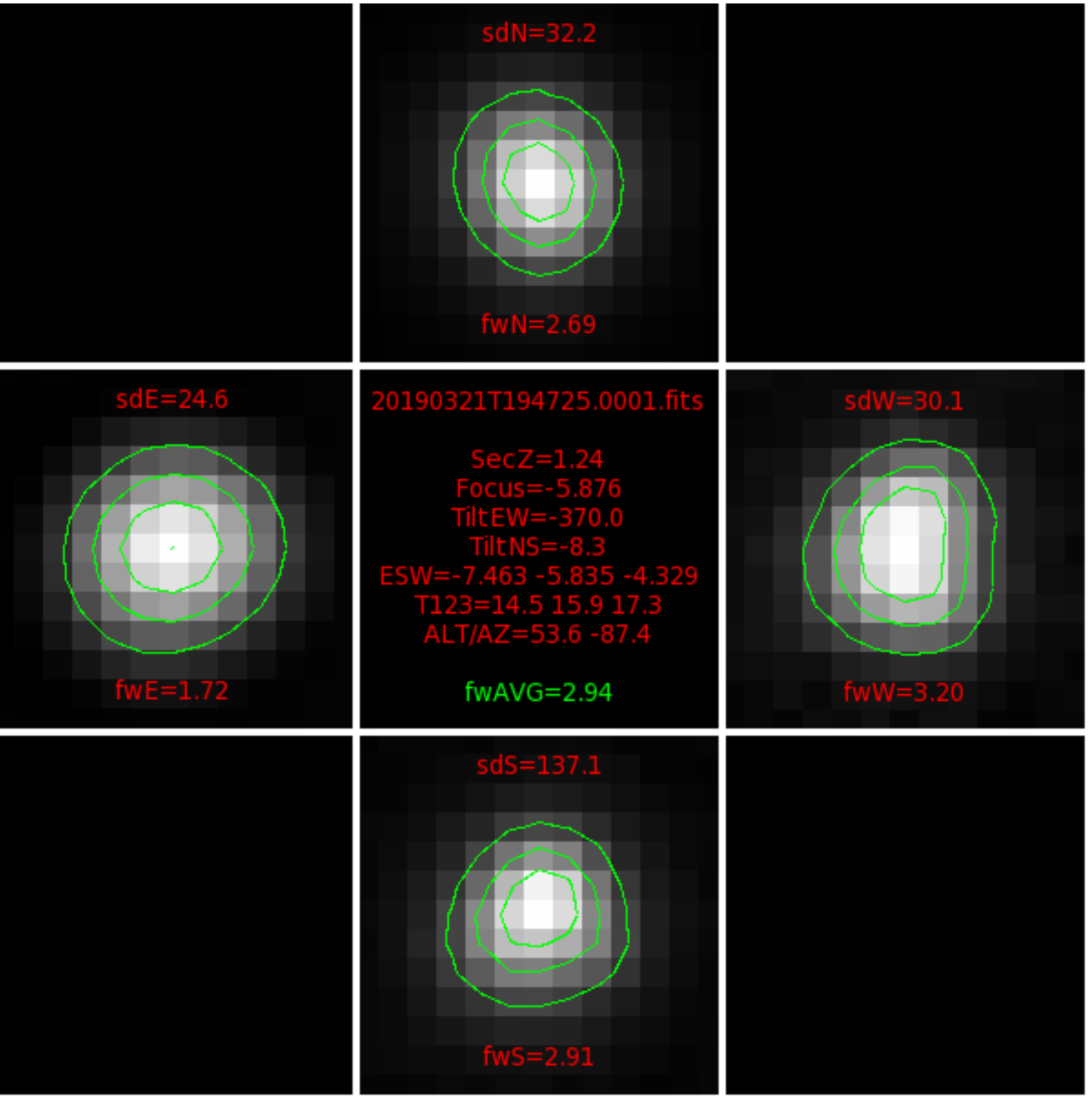
sdN=32.2
fwN=2.69
sdE=24.6
fwE=1.72
20190321T194725.0001.fits
SecZ=1.24
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=14.5 15.9 17.3
ALT/AZ=53.6 -87.4
fwAVG=2.94
sdW=30.1
fwW=3.20
sdS=137.1
fwS=2.91
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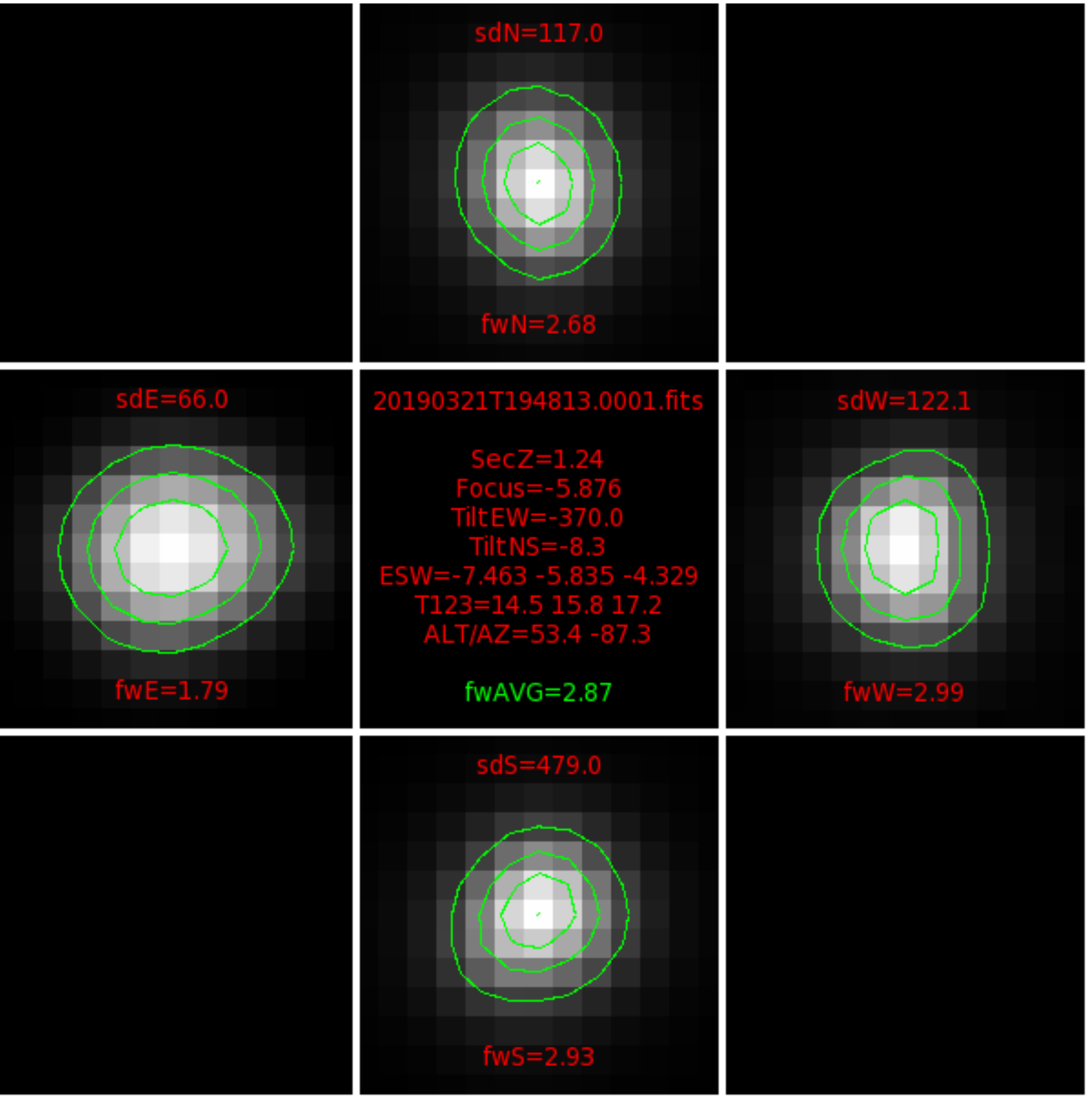
sdN=117.0
fwN=2.68
sdE=66.0
fwE=1.79
20190321T194813.0001.fits
SecZ=1.24
Focus=-5.876
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.463 -5.835 -4.329
T123=14.5 15.8 17.2
ALT/AZ=53.4 -87.3
fwAVG=2.87
sdW=122.1
fwW=2.99
sdS=479.0
fwS=2.93
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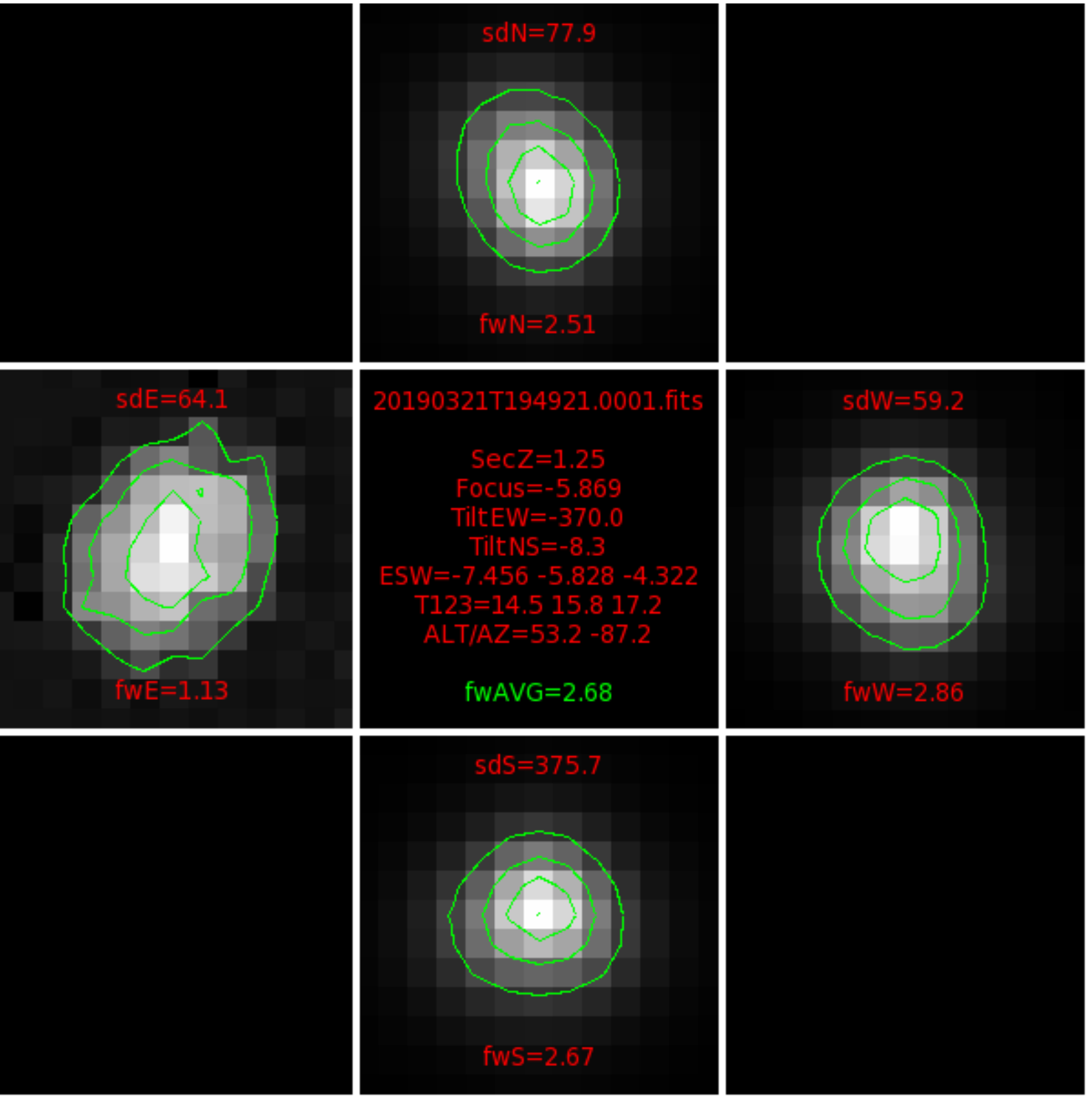
sdN=77.9
fwN=2.51
sdE=64.1
fwE=1.13
20190321T194921.0001.fits
SecZ=1.25
Focus=-5.869
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.456 -5.828 -4.322
T123=14.5 15.8 17.2
ALT/AZ=53.2 -87.2
fwAVG=2.68
sdW=59.2
fwW=2.86
sdS=375.7
fwS=2.67
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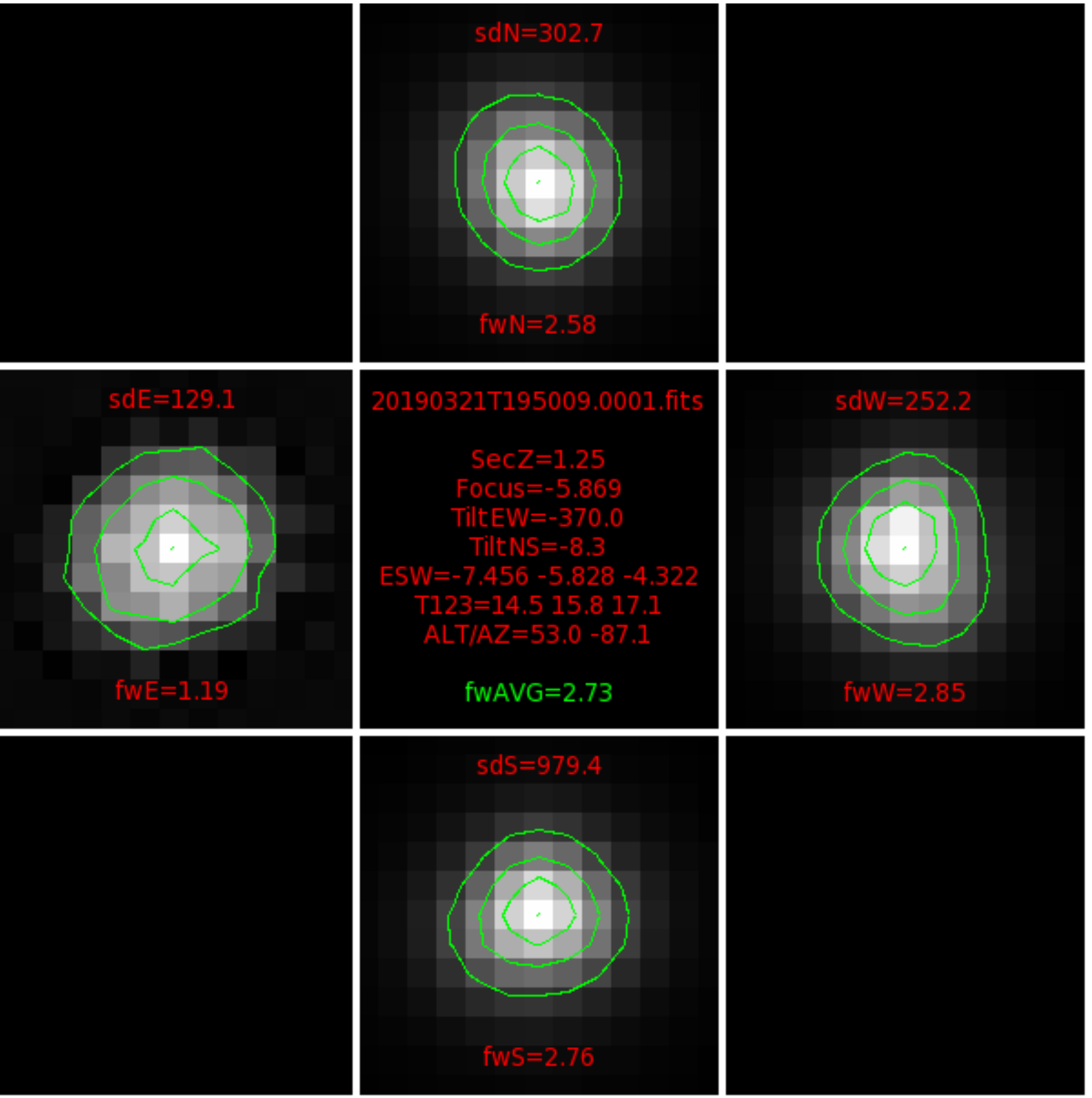
sdN=302.7
fwN=2.58
sdE=129.1
fwE=1.19
20190321T195009.0001.fits
SecZ=1.25
Focus=-5.869
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.456 -5.828 -4.322
T123=14.5 15.8 17.1
ALT/AZ=53.0 -87.1
fwAVG=2.73
sdW=252.2
fwW=2.85
sdS=979.4
fwS=2.76
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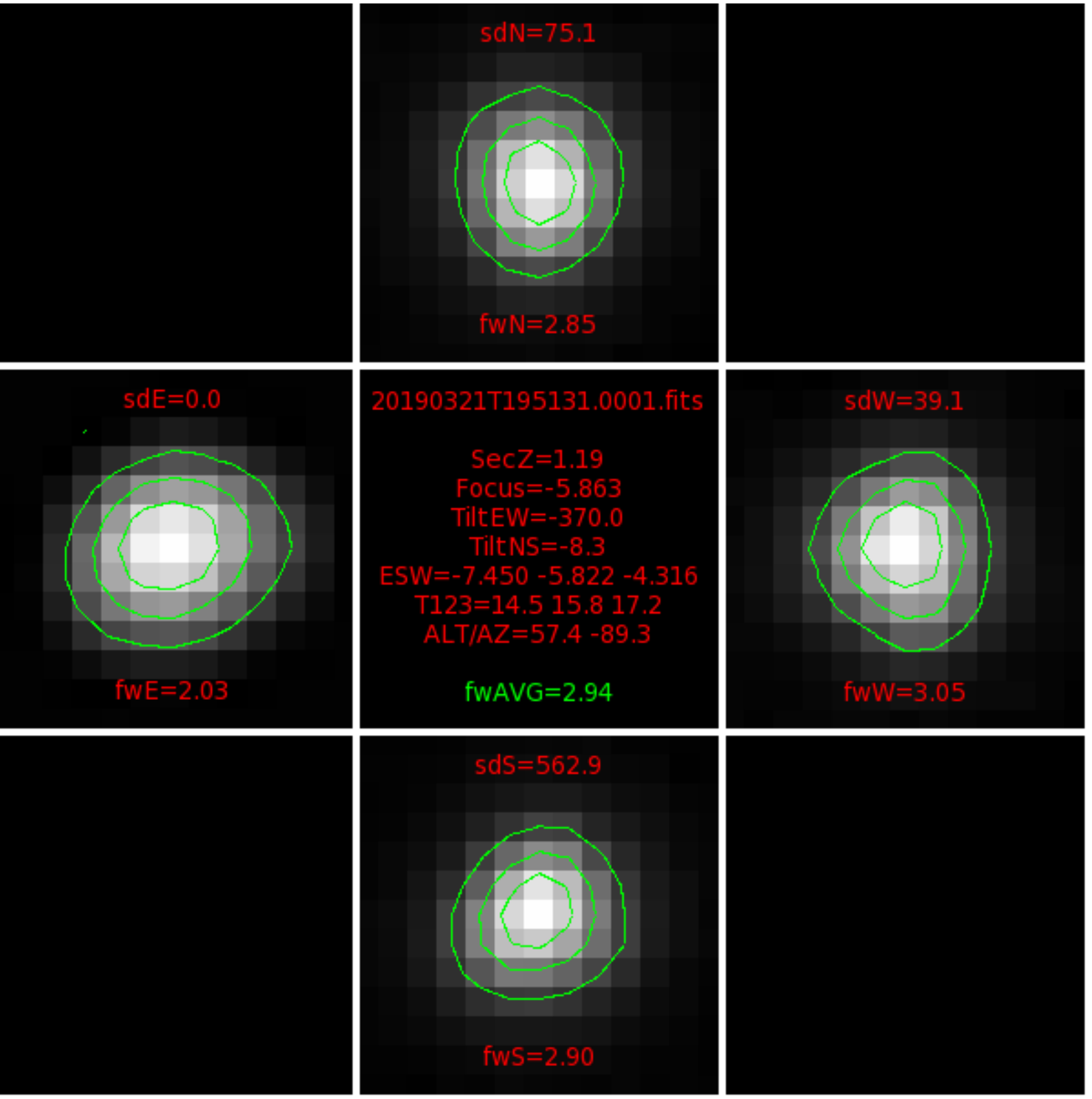
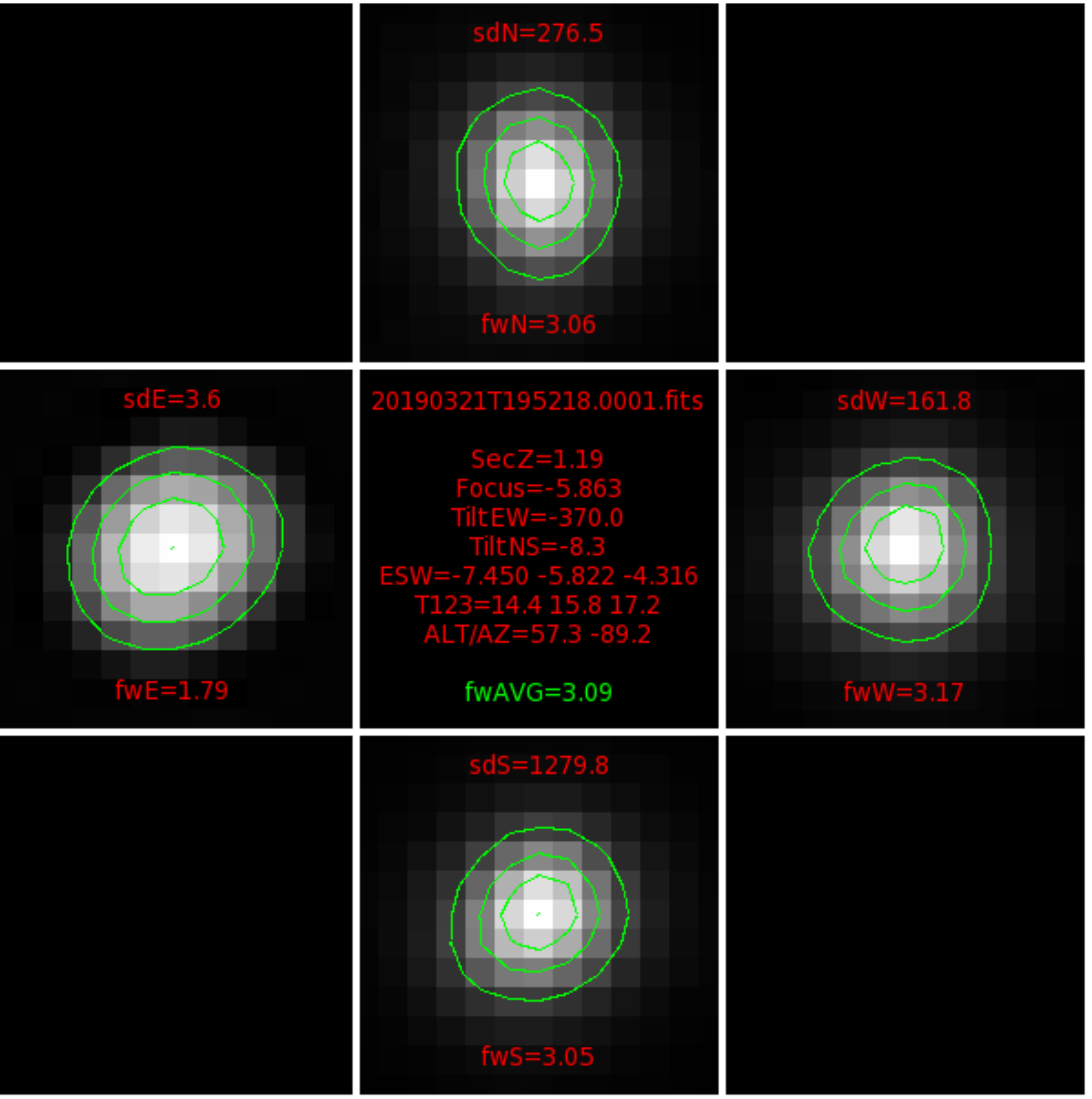

sdN=75.1
fwN=2.85
sdE=0.0
fwE=2.03
20190321T195131.0001.fits
SecZ=1.19
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=14.5 15.8 17.2
ALT/AZ=57.4 -89.3
fwAVG=2.94
sdW=39.1
fwW=3.05
sdS=562.9
fwS=2.90
0 0 0 0 0 0 0 0 0


sdN=276.5
fwN=3.06
sdE=3.6
fwE=1.79
20190321T195218.0001.fits
SecZ=1.19
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=14.4 15.8 17.2
ALT/AZ=57.3 -89.2
fwAVG=3.09
sdW=161.8
fwW=3.17
sdS=1279.8
fwS=3.05
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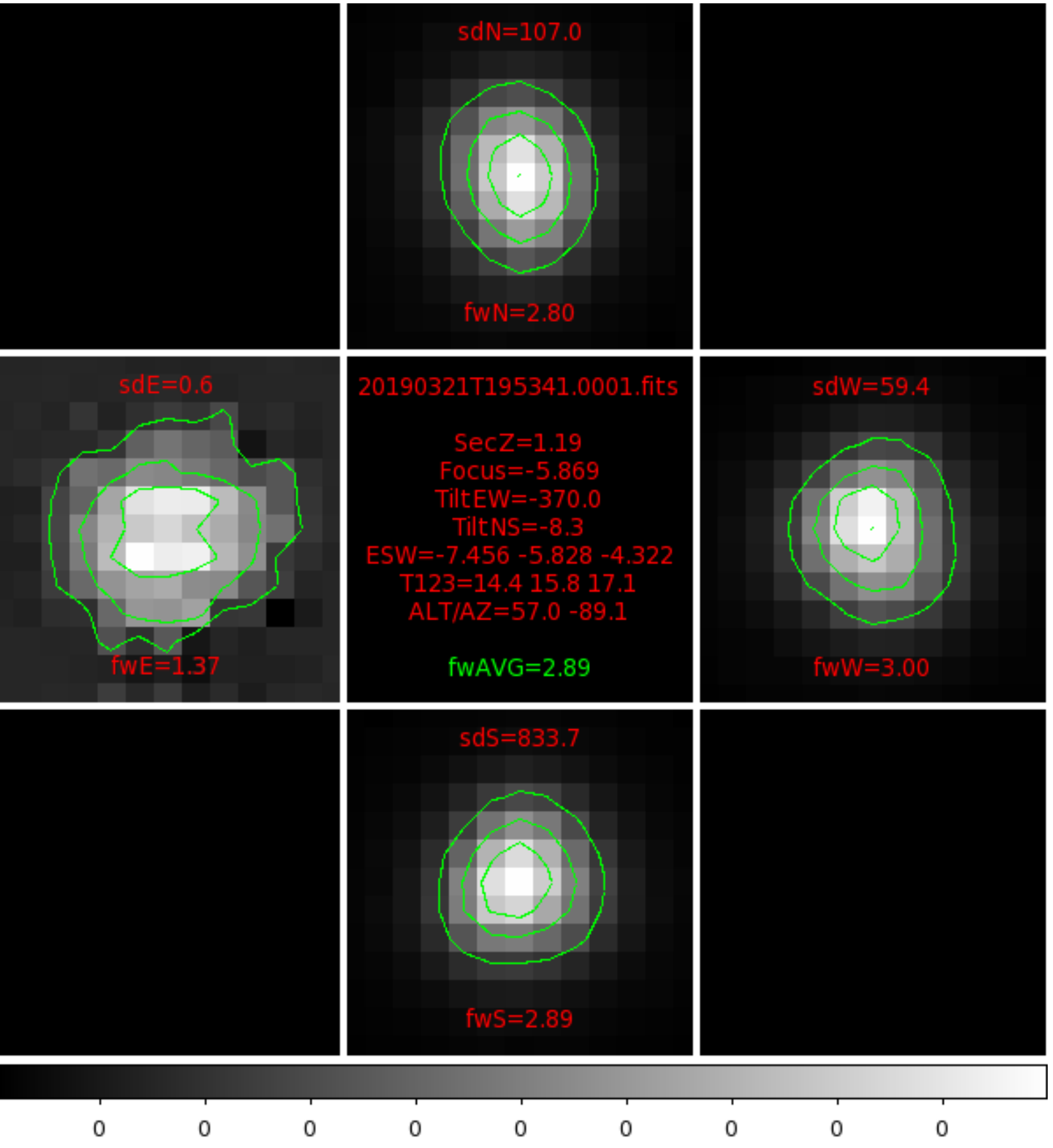
sdN=107.0
fwN=2.80
sdE=0.6
fwE=1.37
20190321T195341.0001.fits
SecZ=1.19
Focus=-5.869
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.456 -5.828 -4.322
T123=14.4 15.8 17.1
ALT/AZ=57.0 -89.1
fwAVG=2.89
sdW=59.4
fwW=3.00
sdS=833.7
fwS=2.89
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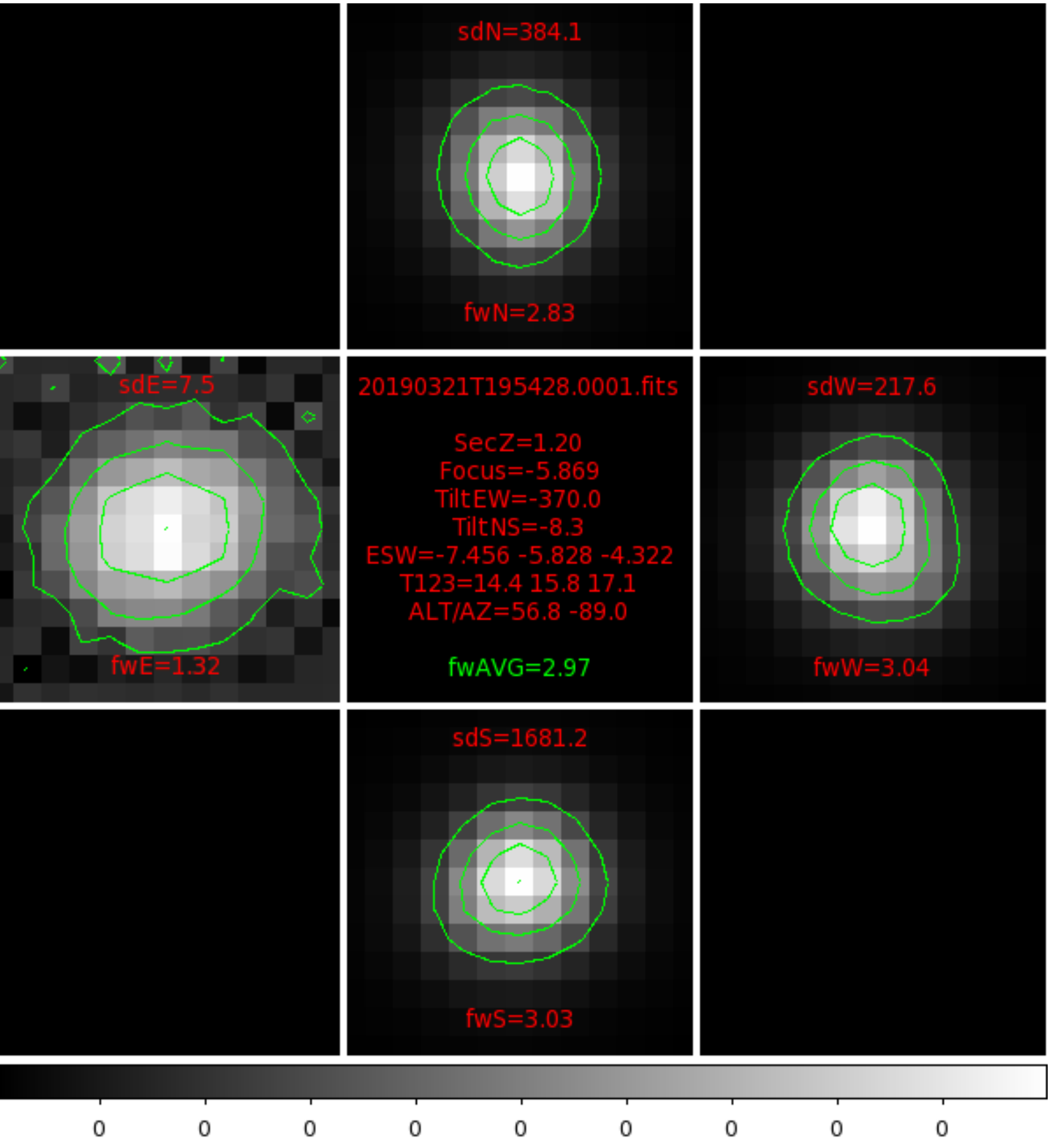
sdN=384.1
fwN=2.83
sdE=7.5
fwE=1.32
20190321T195428.0001.fits
SecZ=1.20
Focus=-5.869
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.456 -5.828 -4.322
T123=14.4 15.8 17.1
ALT/AZ=56.8 -89.0
fwAVG=2.97
sdW=217.6
fwW=3.04
sdS=1681.2
fwS=3.03
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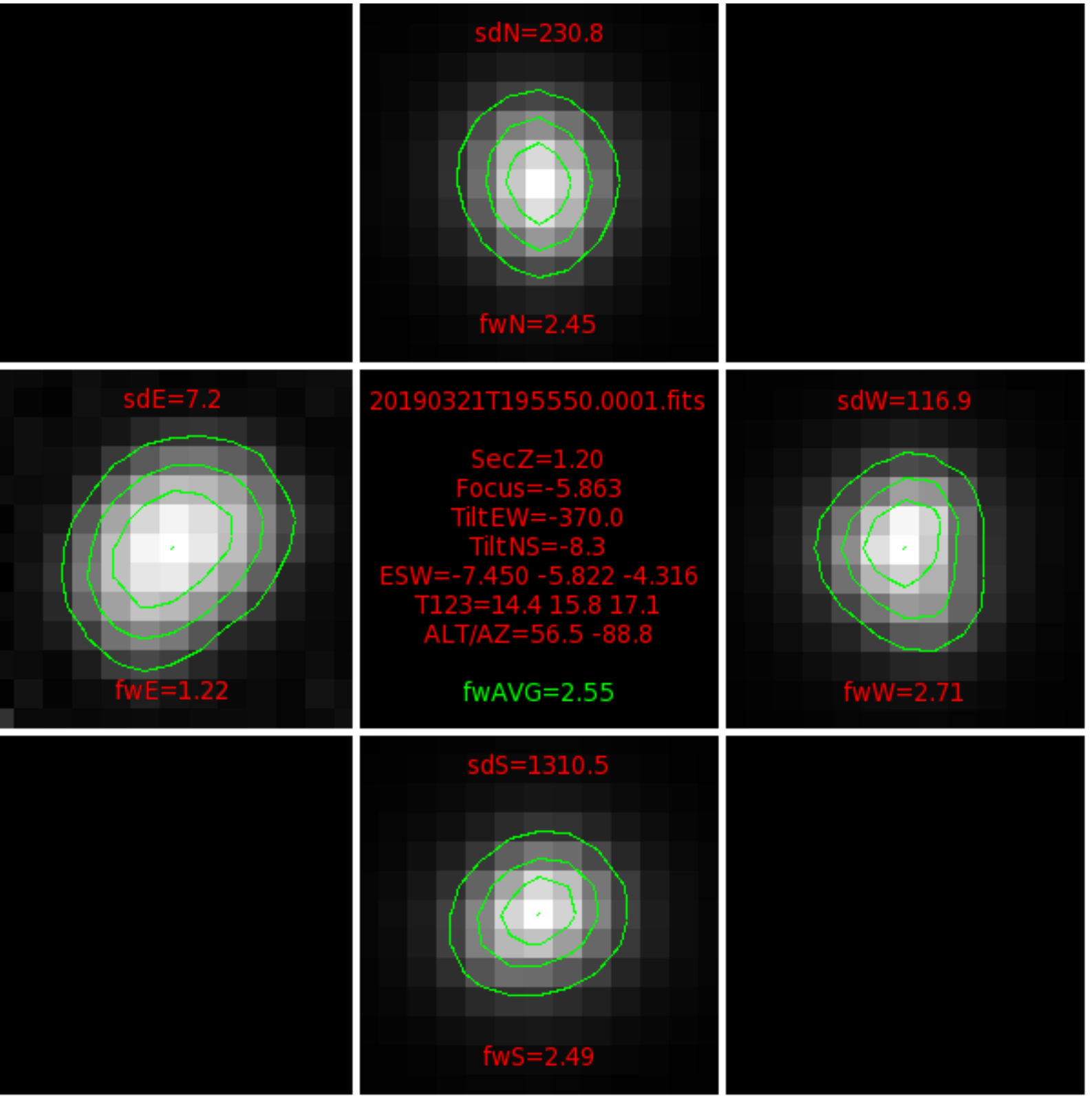
sdN=230.8
fwN=2.45
sdE=7.2
fwE=1.22
20190321T195550.0001.fits
SecZ=1.20
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=14.4 15.8 17.1
ALT/AZ=56.5 -88.8
fwAVG=2.55
sdW=116.9
fwW=2.71
sdS=1310.5
fwS=2.49
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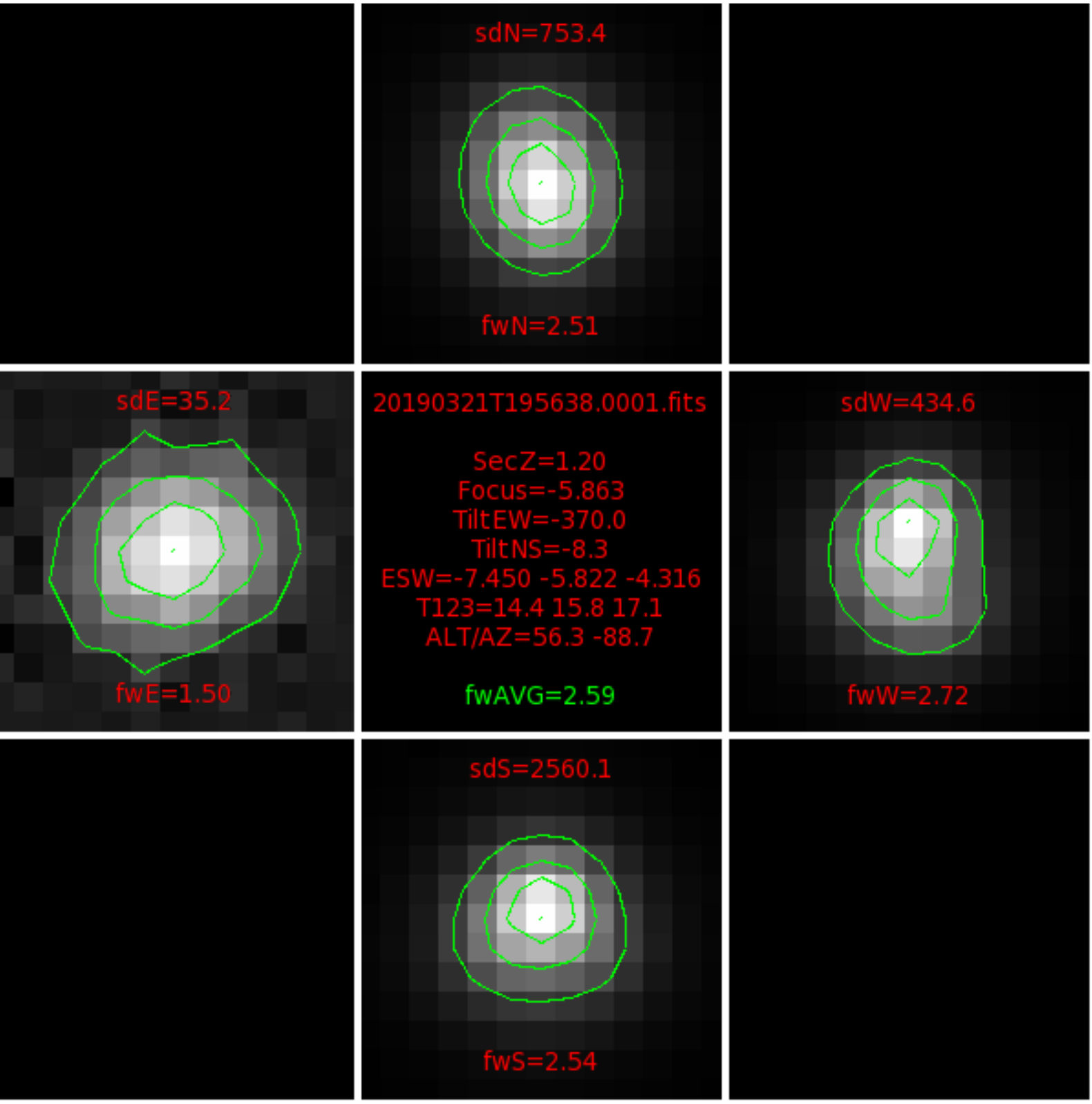
sdN=753.4
fwN=2.51
sdE=35.2
fwE=1.50
20190321T195638.0001.fits
SecZ=1.20
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=14.4 15.8 17.1
ALT/AZ=56.3 -88.7
fwAVG=2.59
sdW=434.6
fwW=2.72
sdS=2560.1
fwS=2.54
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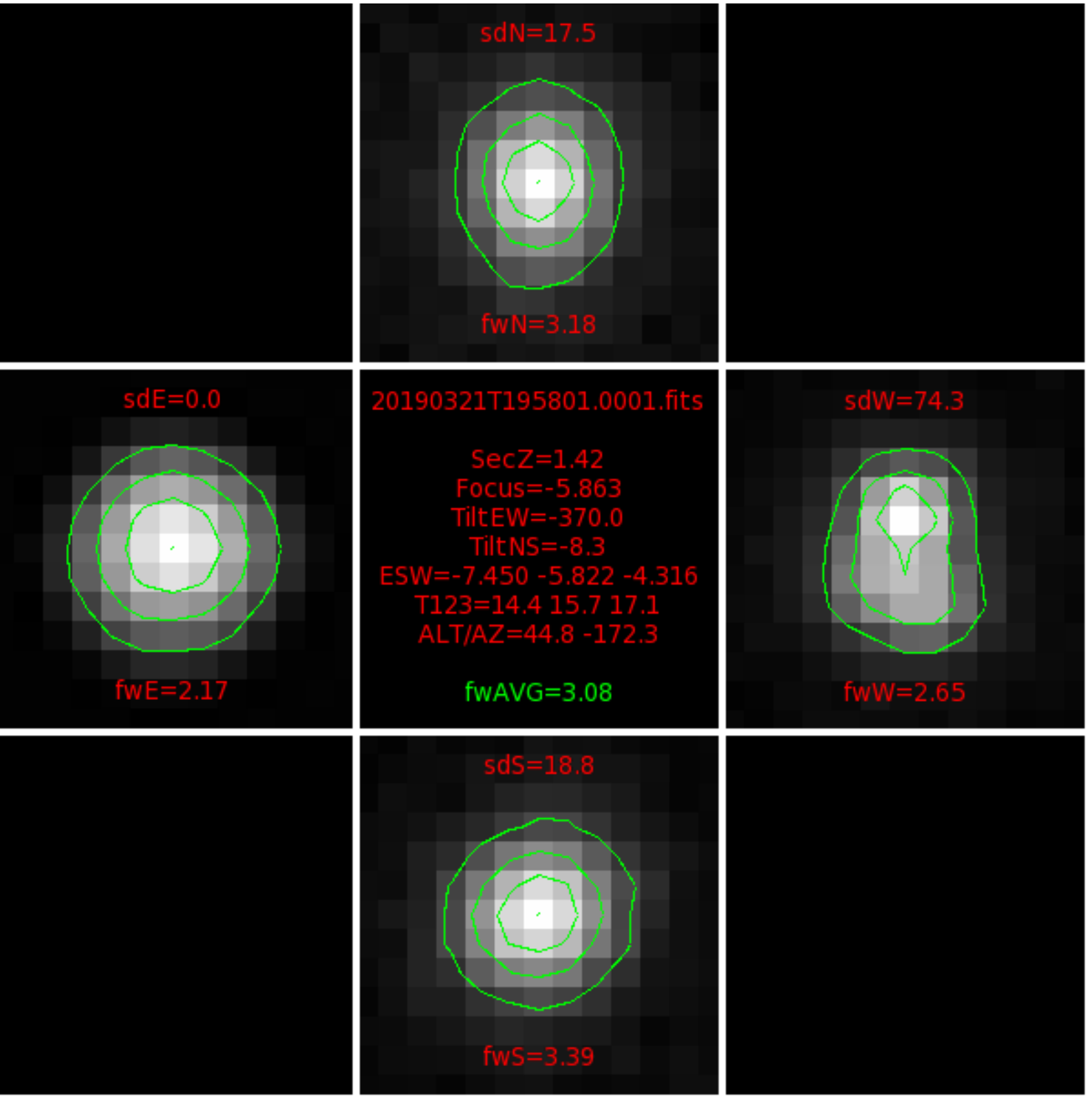
sdN=17.5
fwN=3.18
sdE=0.0
fwE=2.17
20190321T195801.0001.fits
SecZ=1.42
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=14.4 15.7 17.1
ALT/AZ=44.8 -172.3
fwAVG=3.08
sdW=74.3
fwW=2.65
sdS=18.8
fwS=3.39
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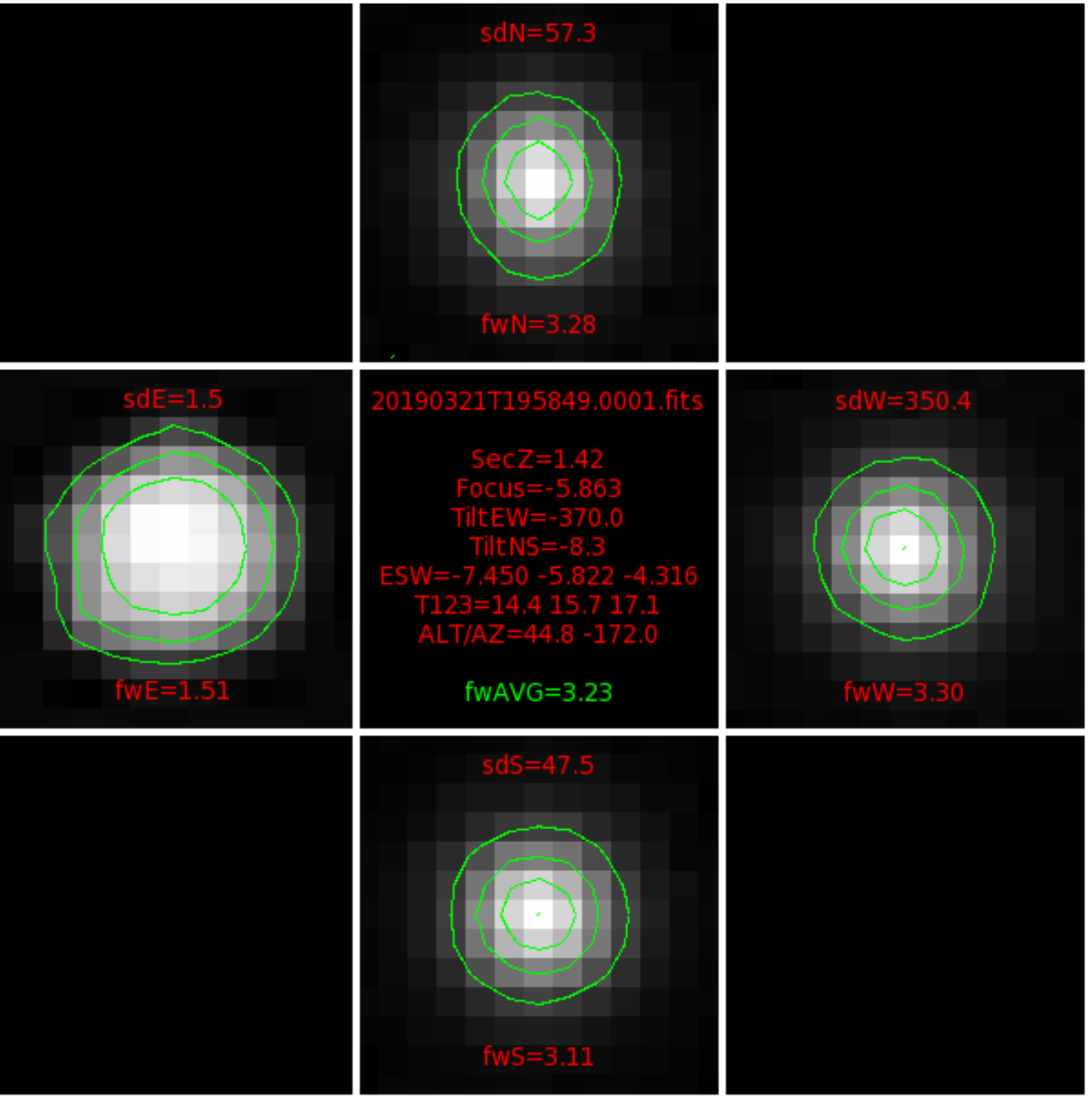
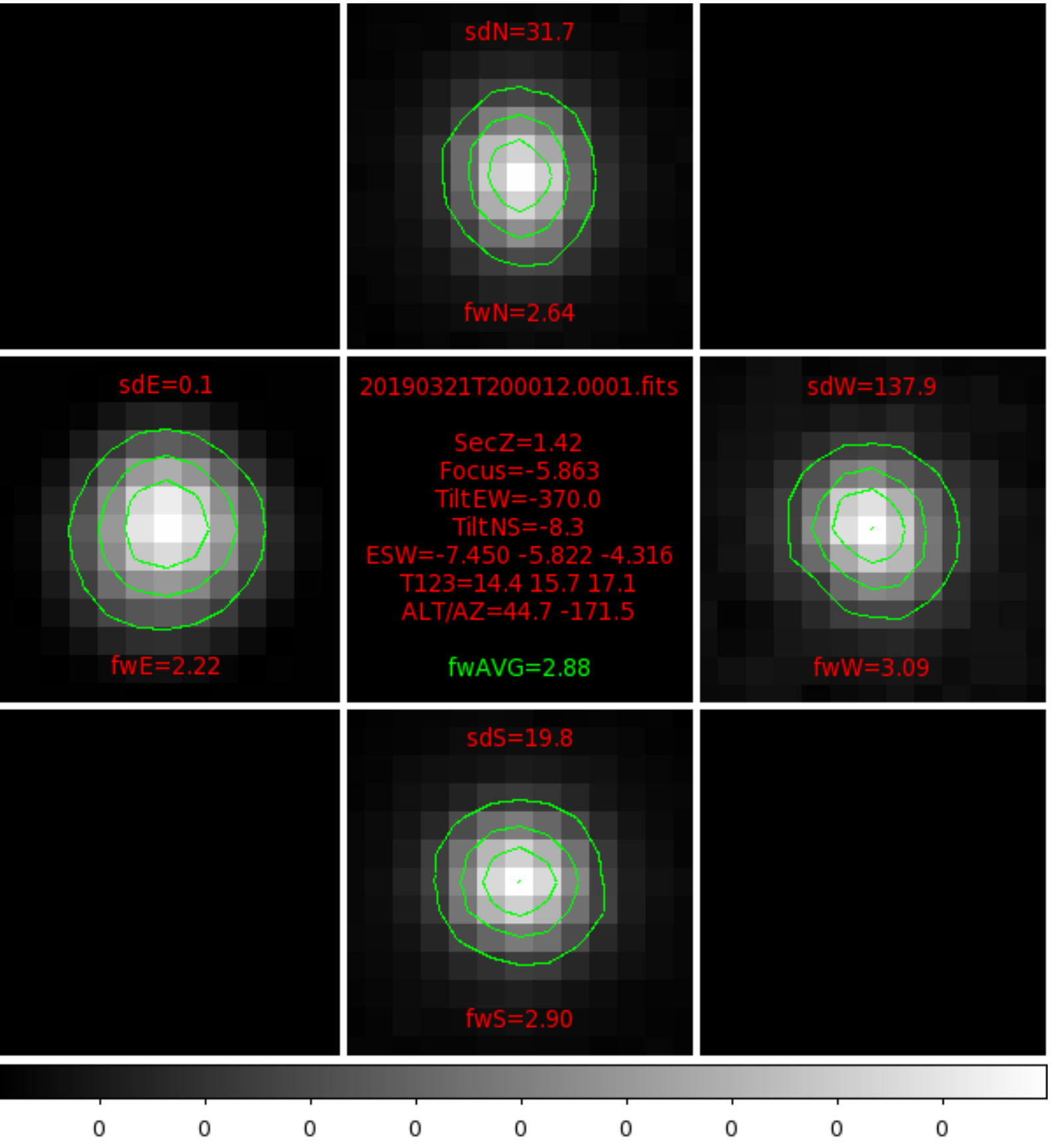
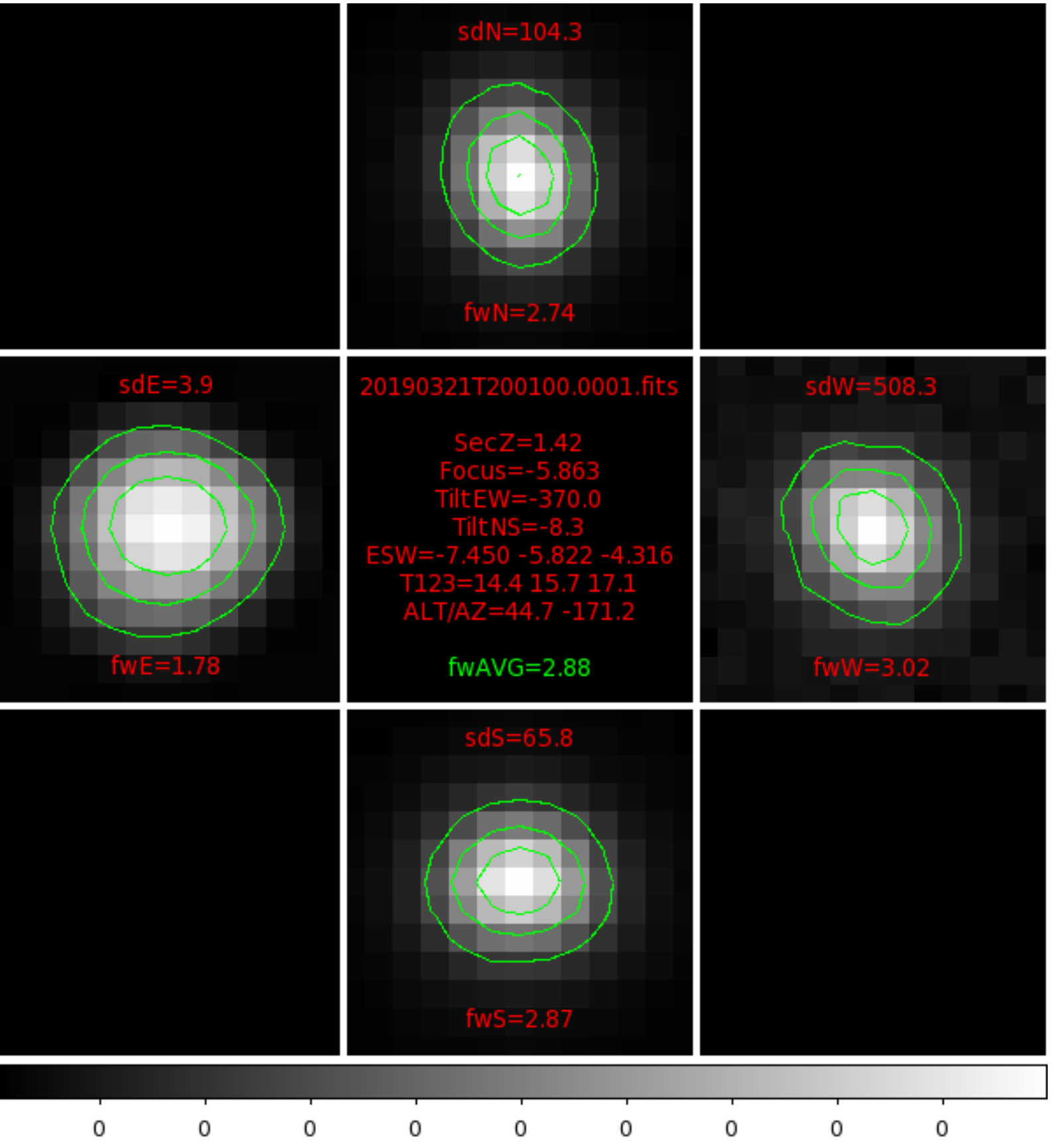

sdN=57.3
fwN=3.28
sdE=1.5
fwE=1.51
20190321T195849.0001.fits
SecZ=1.42
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=14.4 15.7 17.1
ALT/AZ=44.8 -172.0
fwAVG=3.23
sdW=350.4
fwW=3.30
sdS=47.5
fwS=3.11
0 0 0 0 0 0 0 0 0


sdN=31.7
fwN=2.64
sdE=0.1
fwE=2.22
20190321T200012.0001.fits
SecZ=1.42
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=14.4 15.7 17.1
ALT/AZ=44.7 -171.5
fwAVG=2.88
sdW=137.9
fwW=3.09
sdS=19.8
fwS=2.90
0 0 0 0 0 0 0 0 0


sdN=104.3
fwN=2.74
sdE=3.9
fwE=1.78
20190321T200100.0001.fits
SecZ=1.42
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=14.4 15.7 17.1
ALT/AZ=44.7 -171.2
fwAVG=2.88
sdW=508.3
fwW=3.02
sdS=65.8
fwS=2.87
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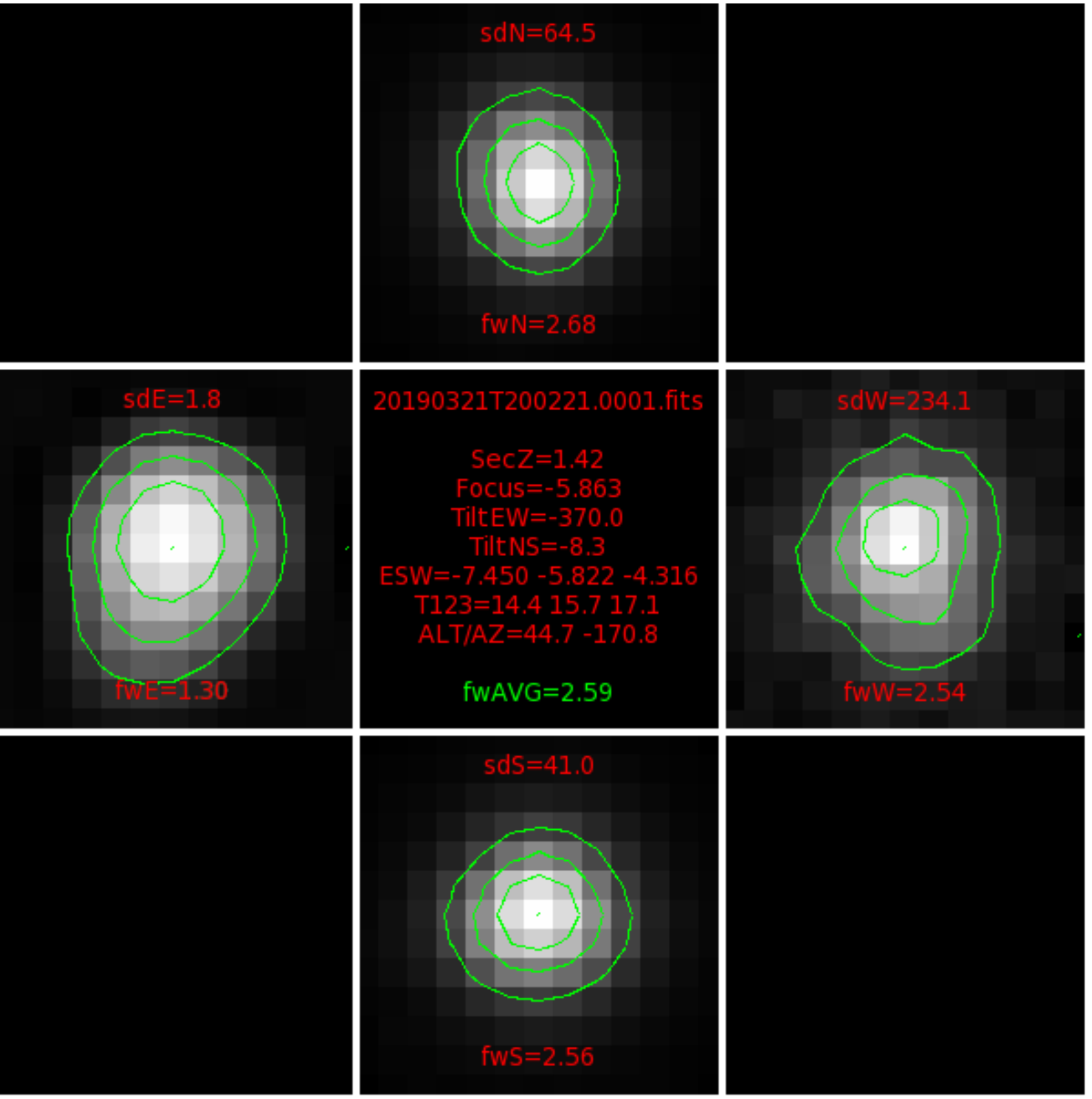
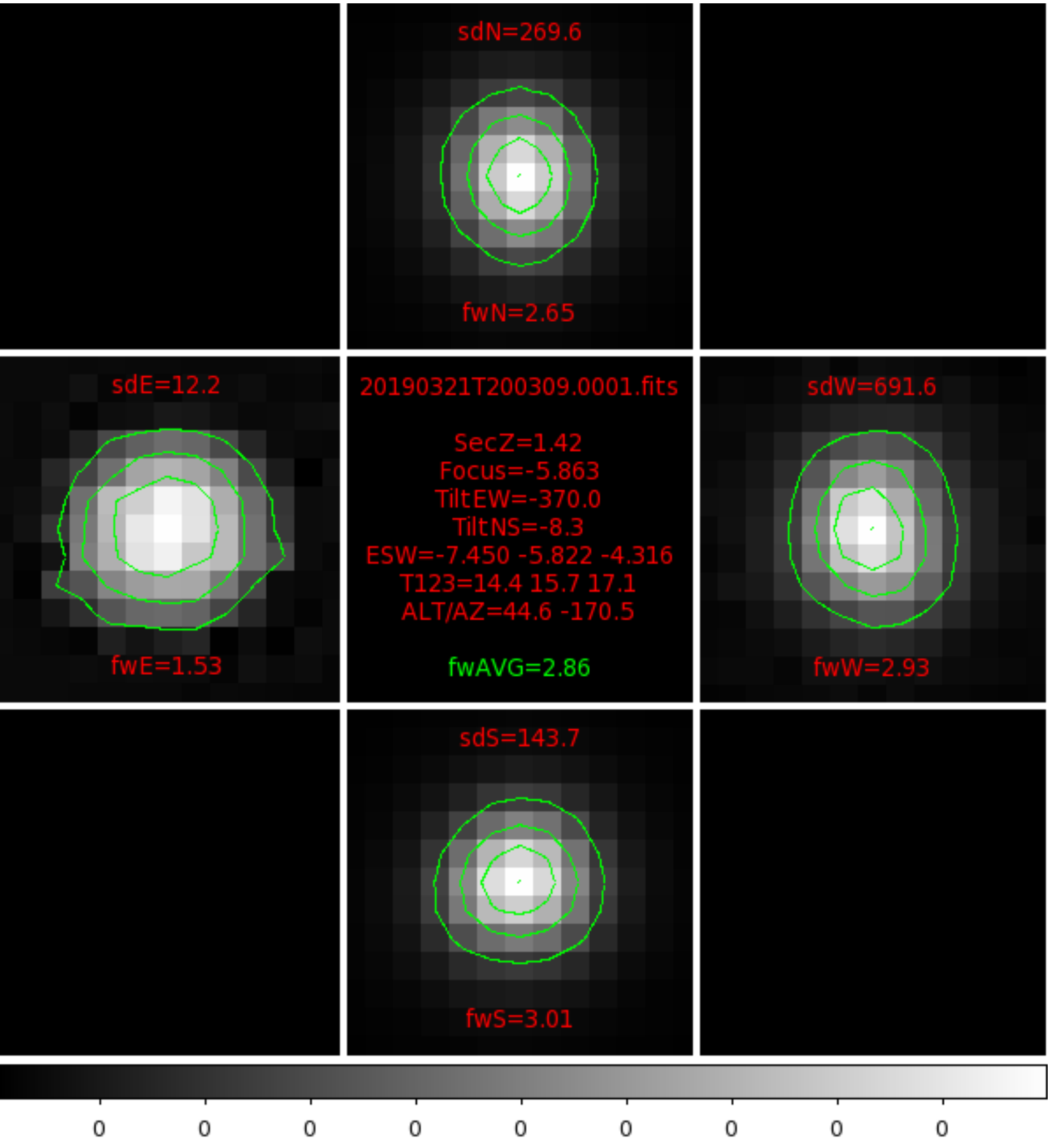

sdN=64.5
fwN=2.68
sdE=1.8
fwE=1.30
20190321T200221.0001.fits
SecZ=1.42
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=14.4 15.7 17.1
ALT/AZ=44.7 -170.8
fwAVG=2.59
sdW=234.1
fwW=2.54
sdS=41.0
fwS=2.56
0 0 0 0 0 0 0 0 0


sdN=269.6
fwN=2.65
sdE=12.2
fwE=1.53
20190321T200309.0001.fits
SecZ=1.42
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=14.4 15.7 17.1
ALT/AZ=44.6 -170.5
fwAVG=2.86
sdW=691.6
fwW=2.93
sdS=143.7
fwS=3.01
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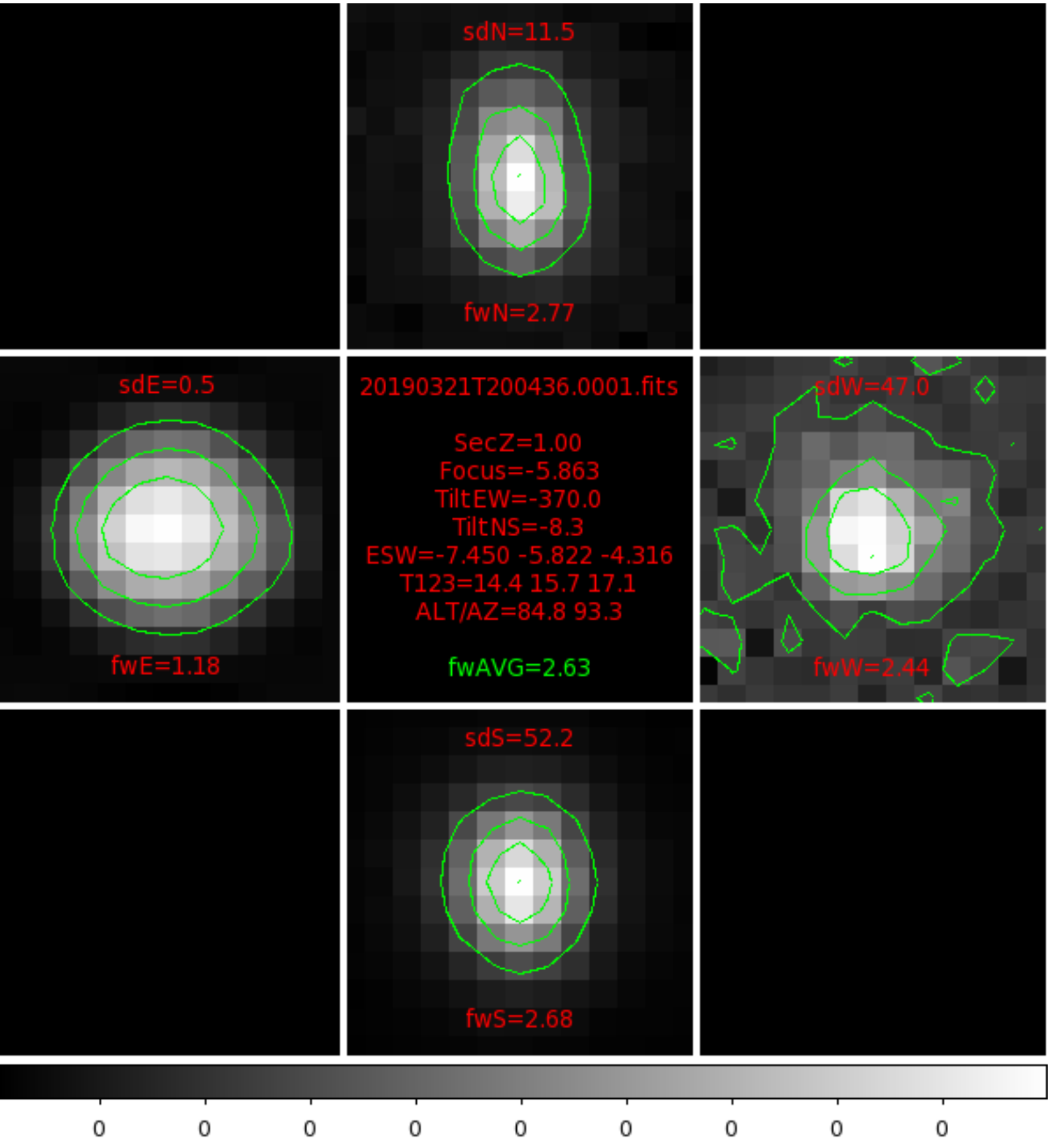
sdN=11.5
fwN=2.77
sdE=0.5
fwE=1.18
20190321T200436.0001.fits
SecZ=1.00
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=14.4 15.7 17.1
ALT/AZ=84.8 93.3
fwAVG=2.63
sdW=47.0
fwW=2.44
sdS=52.2
fwS=2.68
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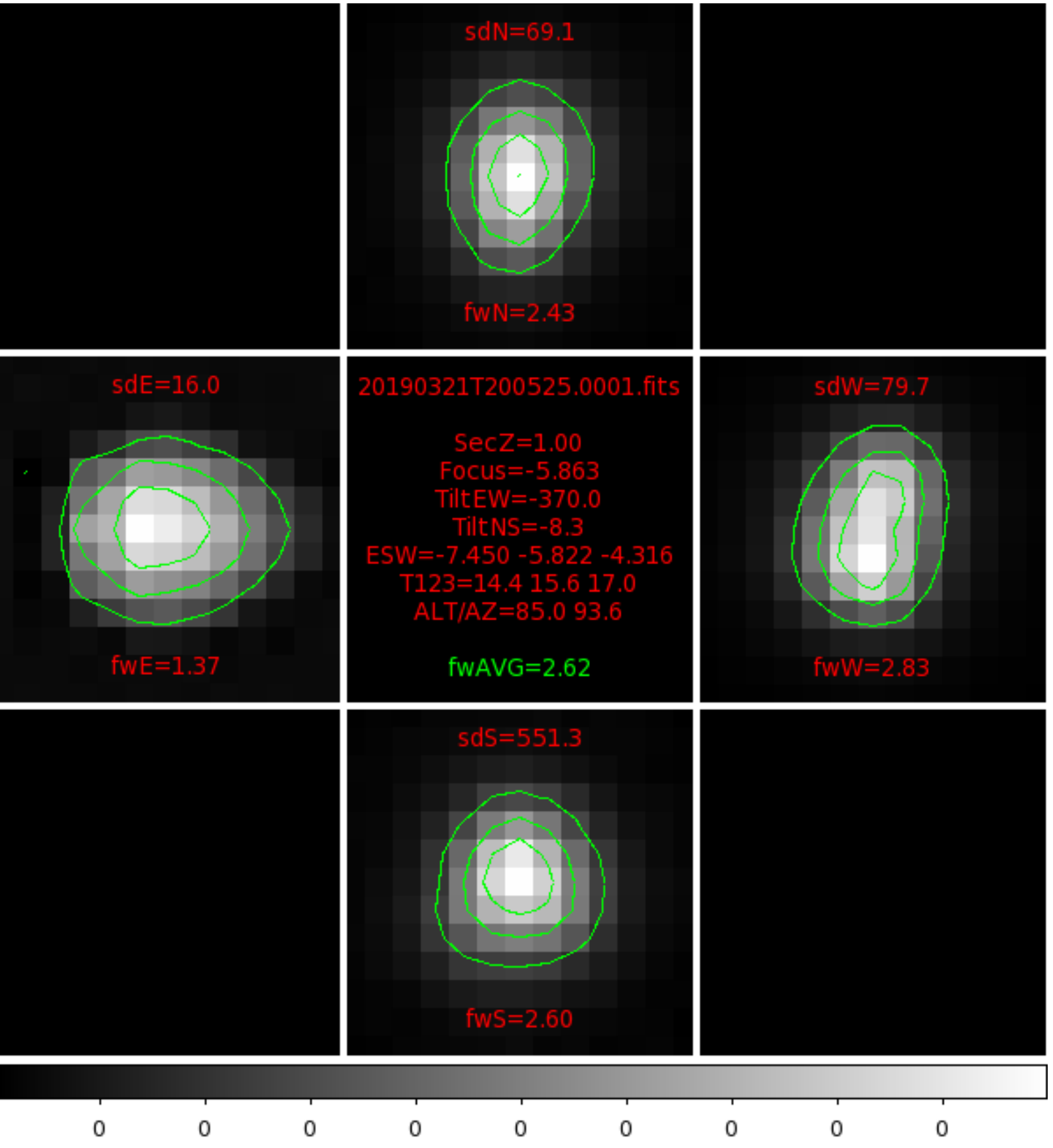
sdN=69.1
fwN=2.43
sdE=16.0
fwE=1.37
20190321T200525.0001.fits
SecZ=1.00
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=14.4 15.6 17.0
ALT/AZ=85.0 93.6
fwAVG=2.62
sdW=79.7
fwW=2.83
sdS=551.3
fwS=2.60
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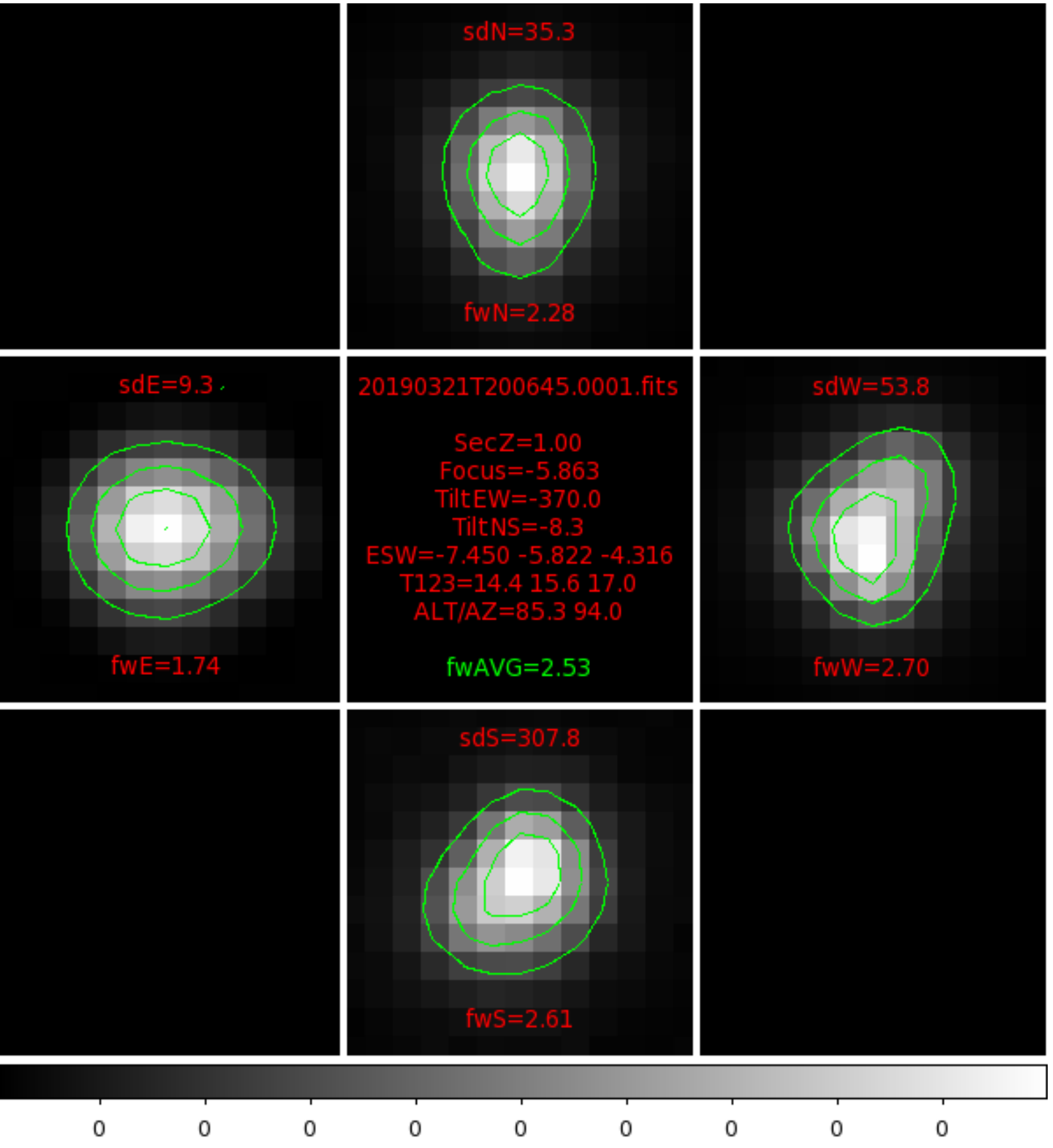
sdN=35.3
fwN=2.28
sdE=9.3
fwE=1.74
20190321T200645.0001.fits
SecZ=1.00
Focus=-5.863
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.450 -5.822 -4.316
T123=14.4 15.6 17.0
ALT/AZ=85.3 94.0
fwAVG=2.53
sdW=53.8
fwW=2.70
sdS=307.8
fwS=2.61
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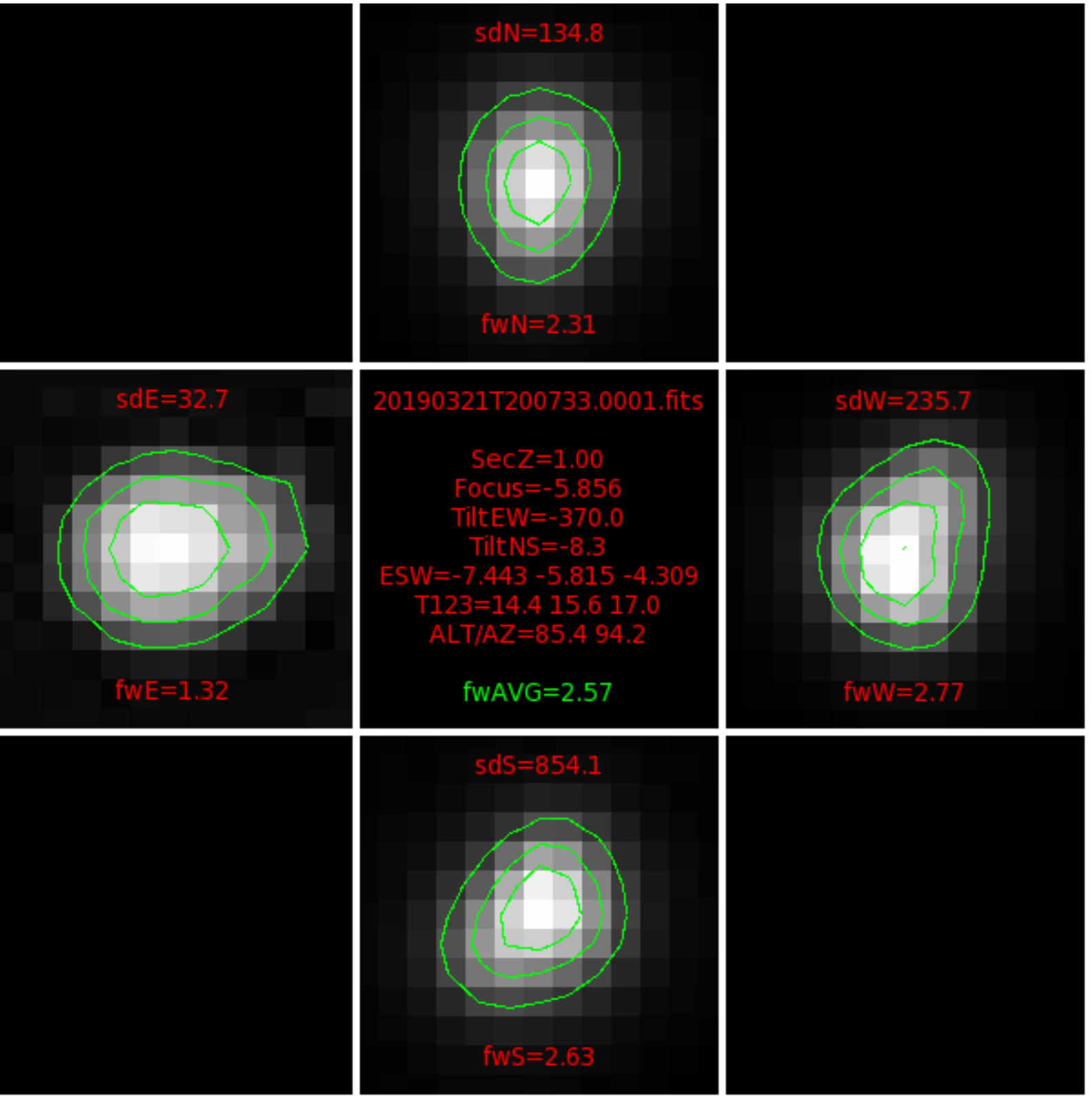
sdN=134.8
fwN=2.31
sdE=32.7
fwE=1.32
20190321T200733.0001.fits
SecZ=1.00
Focus=-5.856
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.443 -5.815 -4.309
T123=14.4 15.6 17.0
ALT/AZ=85.4 94.2
fwAVG=2.57
sdW=235.7
fwW=2.77
sdS=854.1
fwS=2.63
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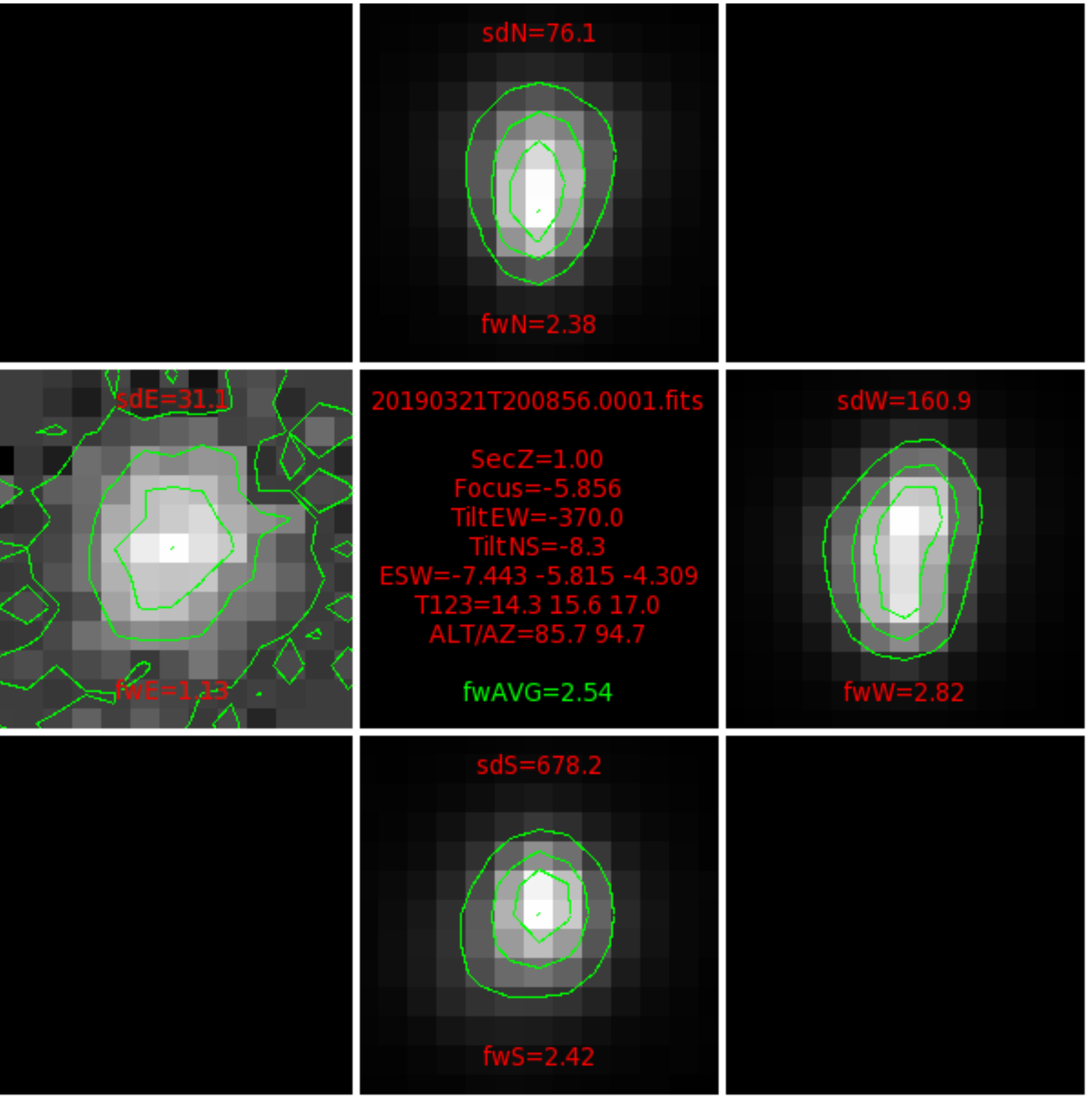
sdN=76.1
fwN=2.38
sdE=31.1
fwE=1.13
20190321T200856.0001.fits
SecZ=1.00
Focus=-5.856
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.443 -5.815 -4.309
T123=14.3 15.6 17.0
ALT/AZ=85.7 94.7
fwAVG=2.54
sdW=160.9
fwW=2.82
sdS=678.2
fwS=2.42
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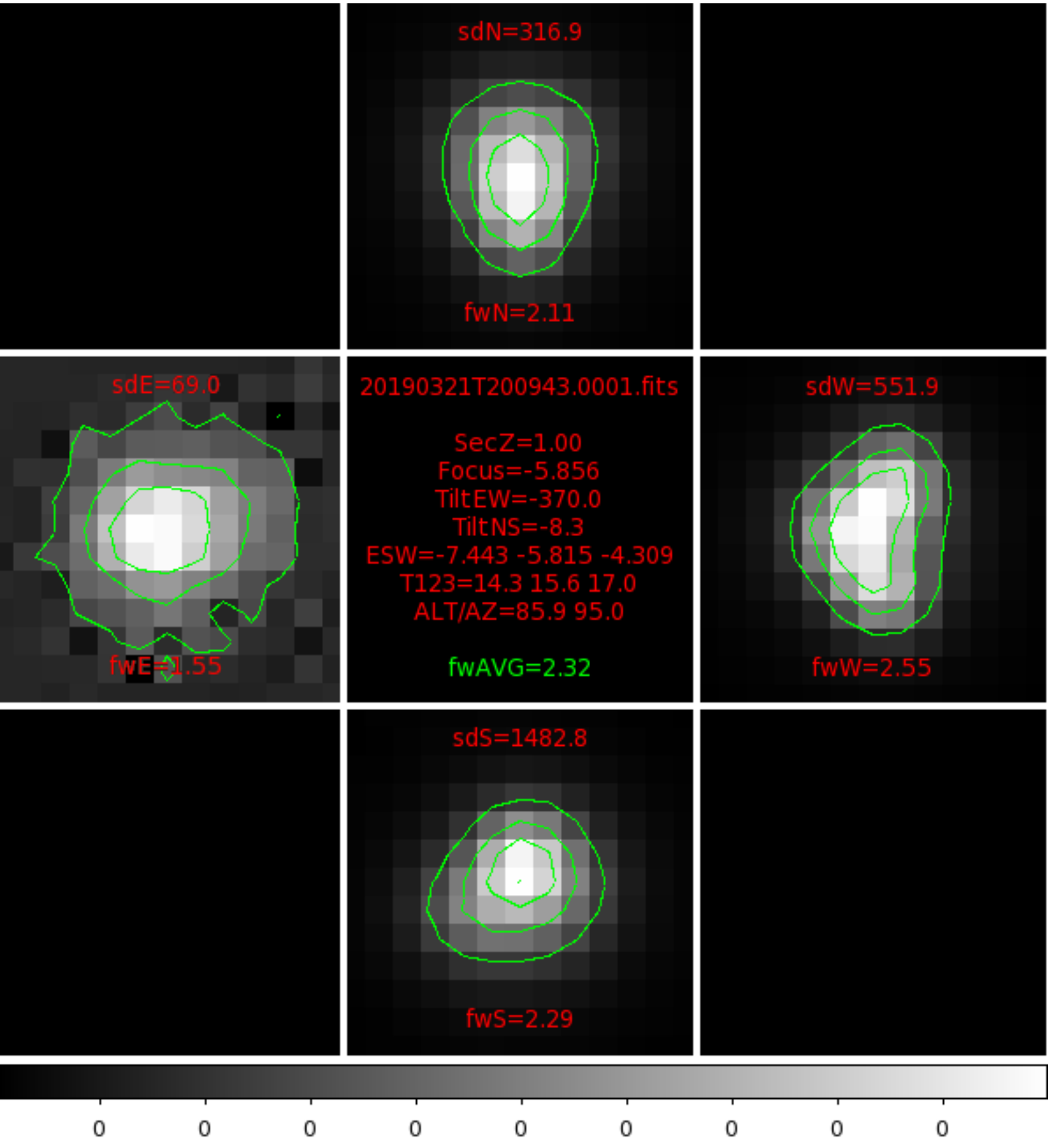
sdN=316.9
fwN=2.11
sdE=69.0
fwE=1.55
20190321T200943.0001.fits
SecZ=1.00
Focus=-5.856
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.443 -5.815 -4.309
T123=14.3 15.6 17.0
ALT/AZ=85.9 95.0
fwAVG=2.32
sdW=551.9
fwW=2.55
sdS=1482.8
fwS=2.29
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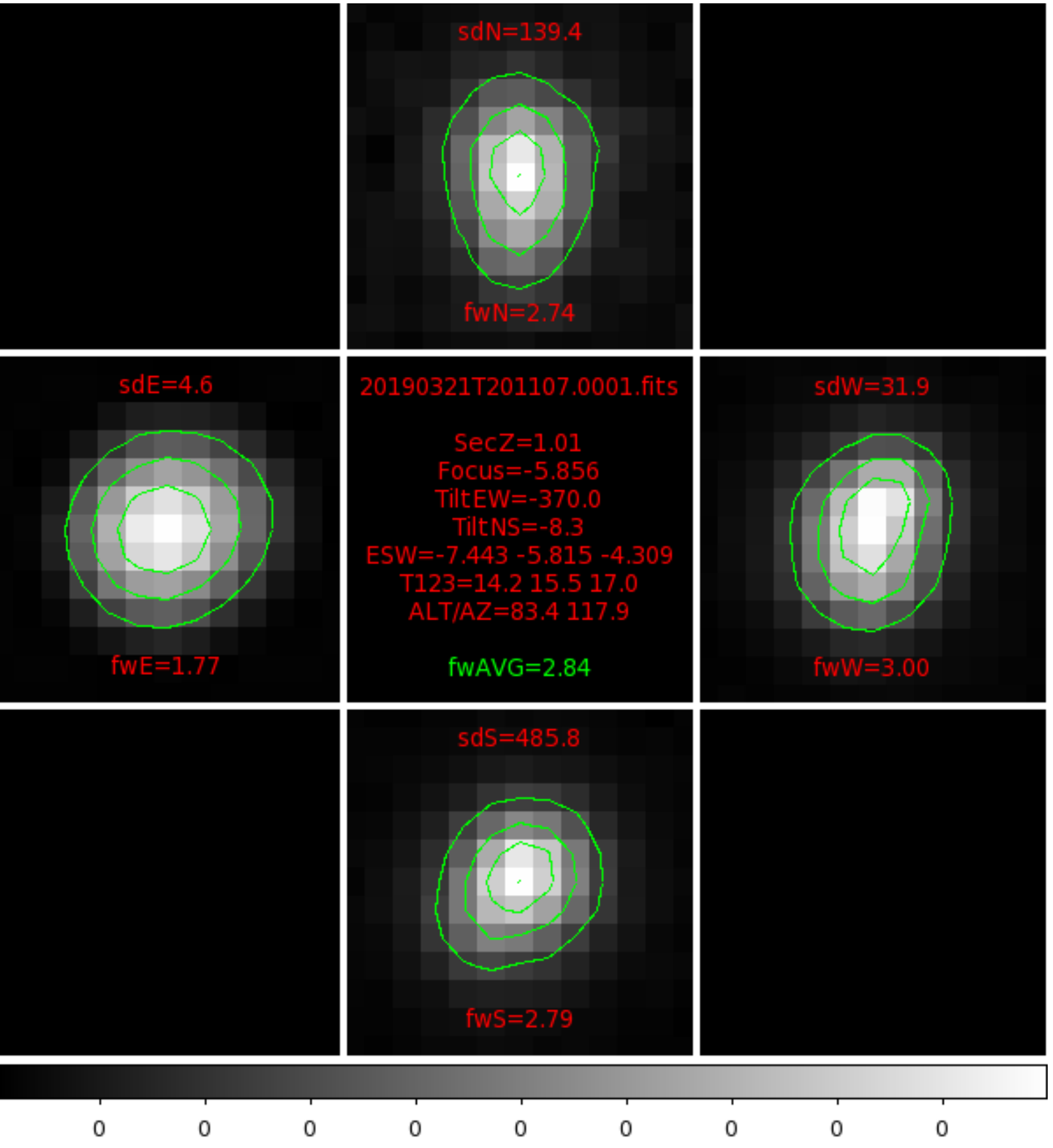
sdN=139.4
fwN=2.74
sdE=4.6
fwE=1.77
20190321T201107.0001.fits
SecZ=1.01
Focus=-5.856
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.443 -5.815 -4.309
T123=14.2 15.5 17.0
ALT/AZ=83.4 117.9
fwAVG=2.84
sdW=31.9
fwW=3.00
sdS=485.8
fwS=2.79
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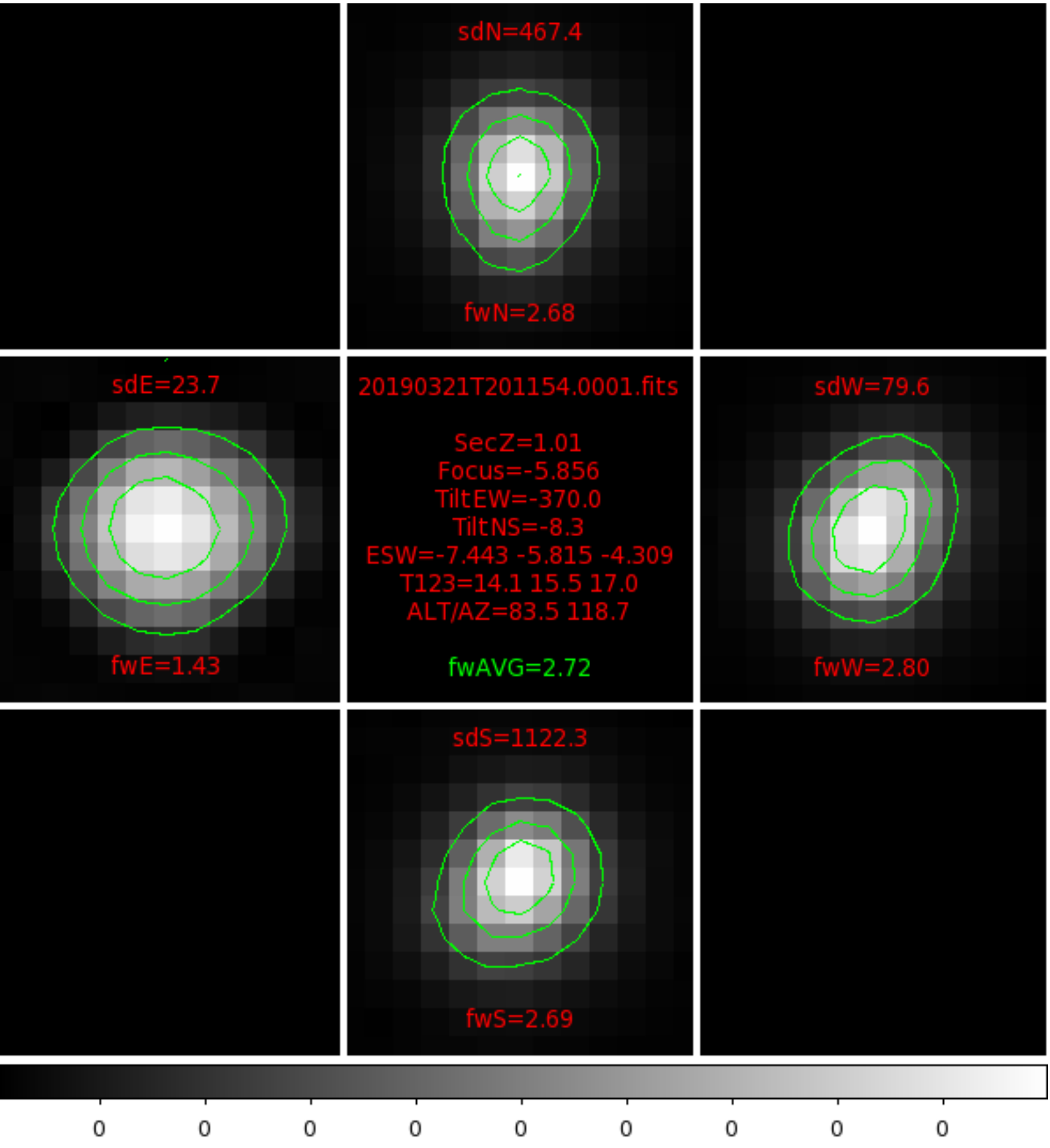
sdN=467.4
fwN=2.68
sdE=23.7
fwE=1.43
20190321T201154.0001.fits
SecZ=1.01
Focus=-5.856
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.443 -5.815 -4.309
T123=14.1 15.5 17.0
ALT/AZ=83.5 118.7
fwAVG=2.72
sdW=79.6
fwW=2.80
sdS=1122.3
fwS=2.69
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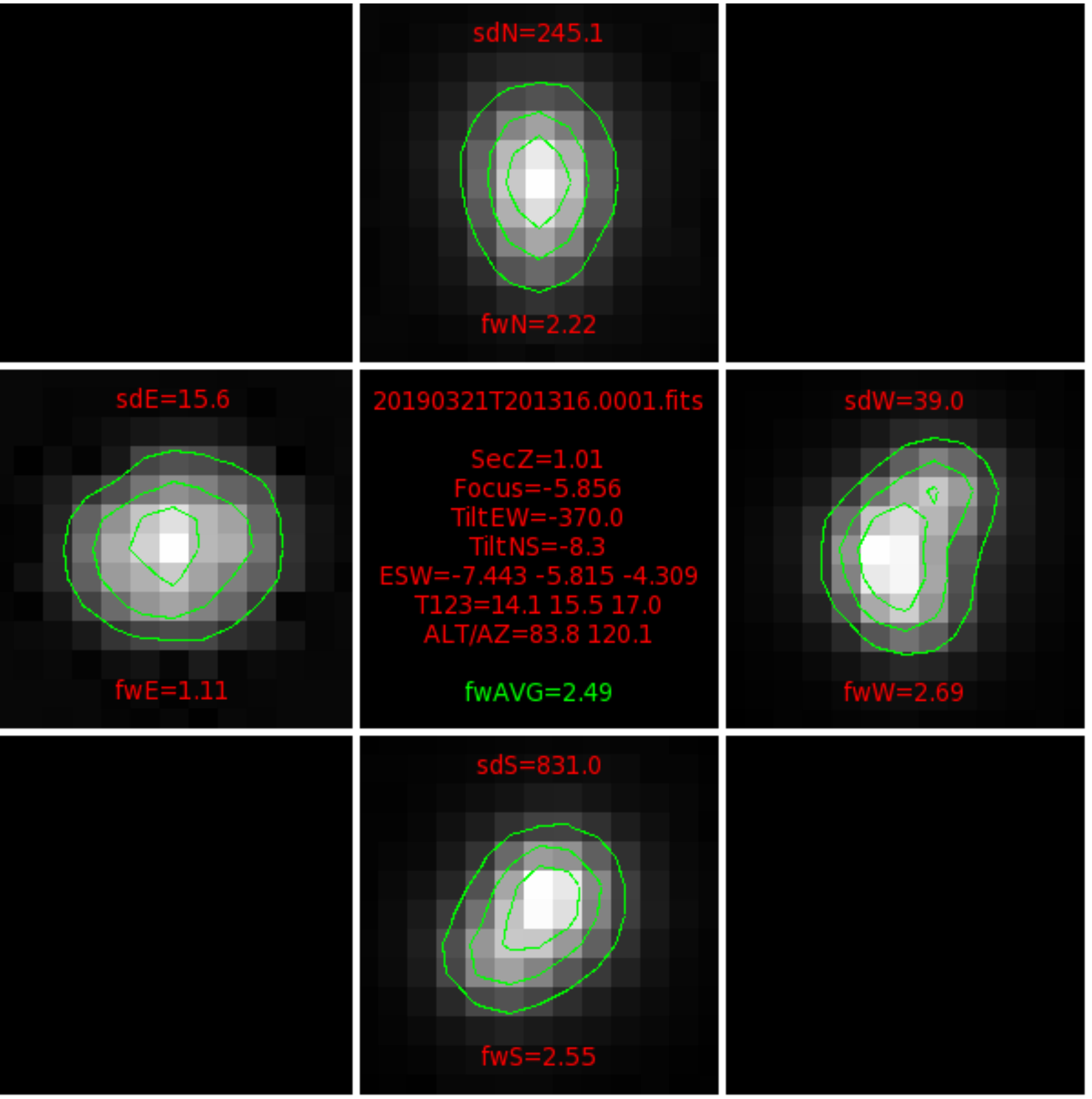
sdN=245.1
fwN=2.22
sdE=15.6
fwE=1.11
20190321T201316.0001.fits
SecZ=1.01
Focus=-5.856
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.443 -5.815 -4.309
T123=14.1 15.5 17.0
ALT/AZ=83.8 120.1
fwAVG=2.49
sdW=39.0
fwW=2.69
sdS=831.0
fwS=2.55
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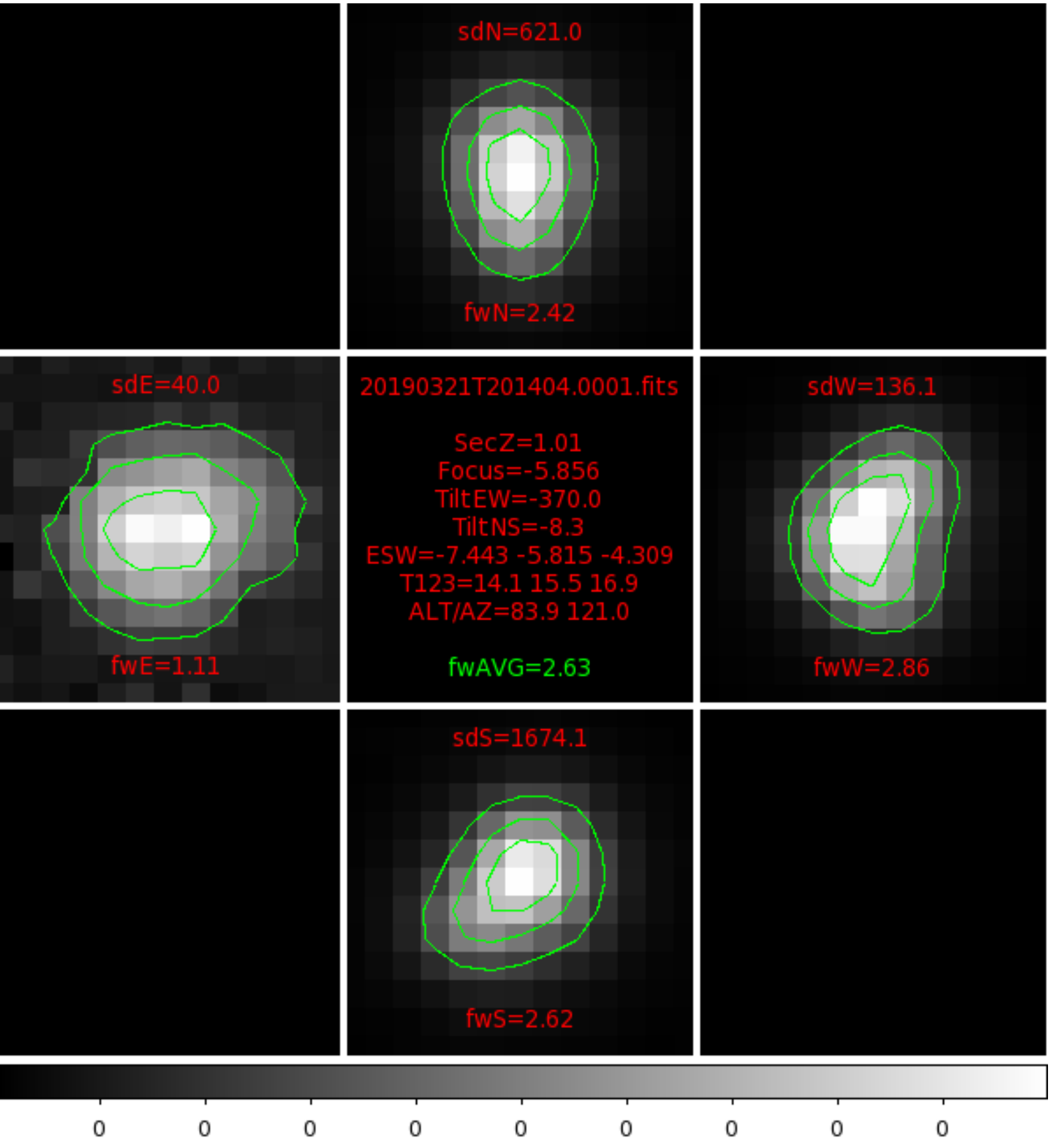
sdN=621.0
fwN=2.42
sdE=40.0
fwE=1.11
20190321T201404.0001.fits
SecZ=1.01
Focus=-5.856
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.443 -5.815 -4.309
T123=14.1 15.5 16.9
ALT/AZ=83.9 121.0
fwAVG=2.63
sdW=136.1
fwW=2.86
sdS=1674.1
fwS=2.62
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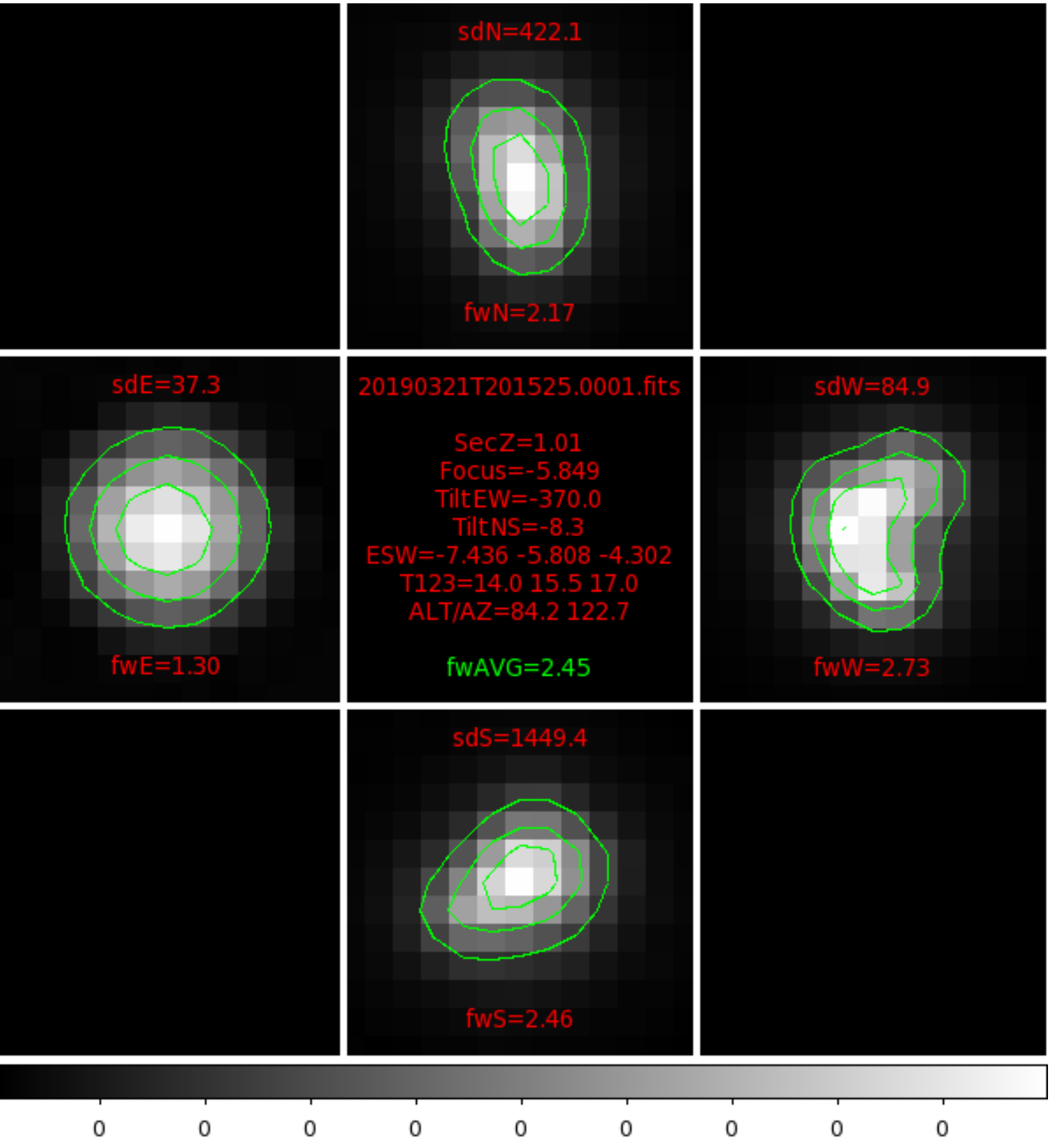
sdN=422.1
fwN=2.17
sdE=37.3
fwE=1.30
20190321T201525.0001.fits
SecZ=1.01
Focus=-5.849
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.436 -5.808 -4.302
T123=14.0 15.5 17.0
ALT/AZ=84.2 122.7
fwAVG=2.45
sdW=84.9
fwW=2.73
sdS=1449.4
fwS=2.46
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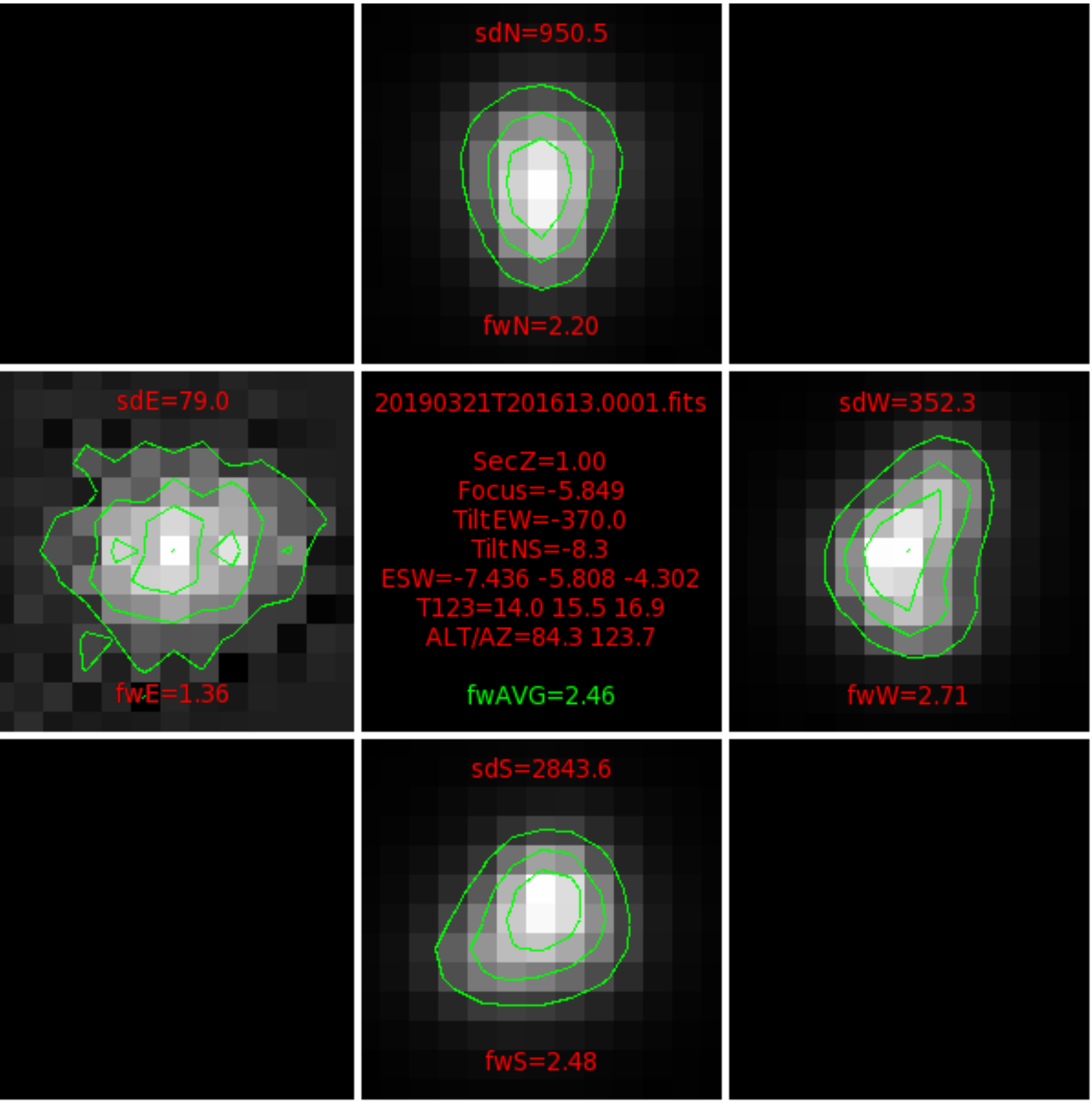
sdN=950.5
fwN=2.20
sdE=79.0
fwE=1.36
20190321T201613.0001.fits
SecZ=1.00
Focus=-5.849
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.436 -5.808 -4.302
T123=14.0 15.5 16.9
ALT/AZ=84.3 123.7
fwAVG=2.46
sdW=352.3
fwW=2.71
sdS=2843.6
fwS=2.48
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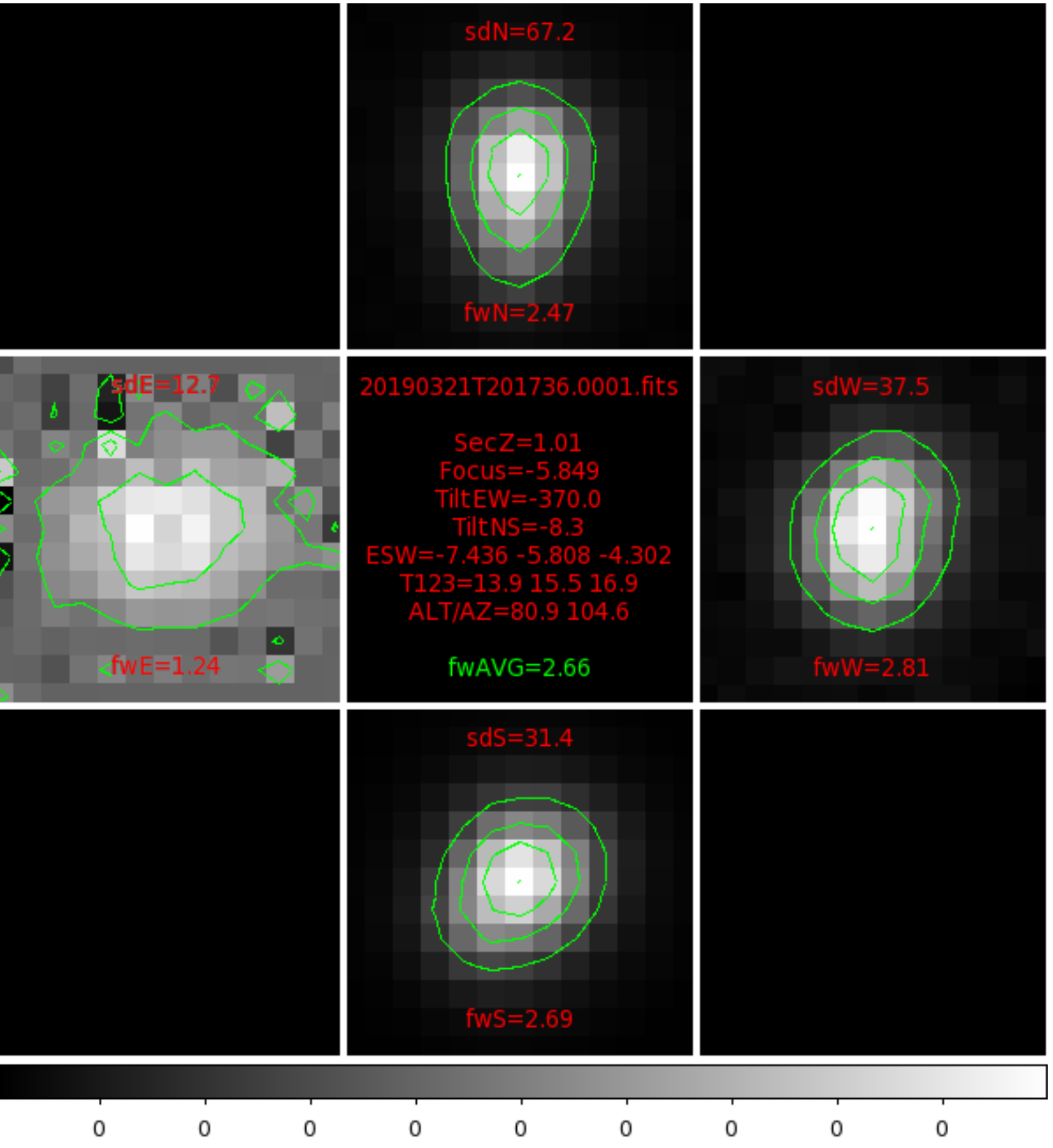
sdN=67.2
fwN=2.47
sdE=12.7
fwE=1.24
20190321T201736.0001.fits
SecZ=1.01
Focus=-5.849
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.436 -5.808 -4.302
T123=13.9 15.5 16.9
ALT/AZ=80.9 104.6
fwAVG=2.66
sdW=37.5
fwW=2.81
sdS=31.4
fwS=2.69
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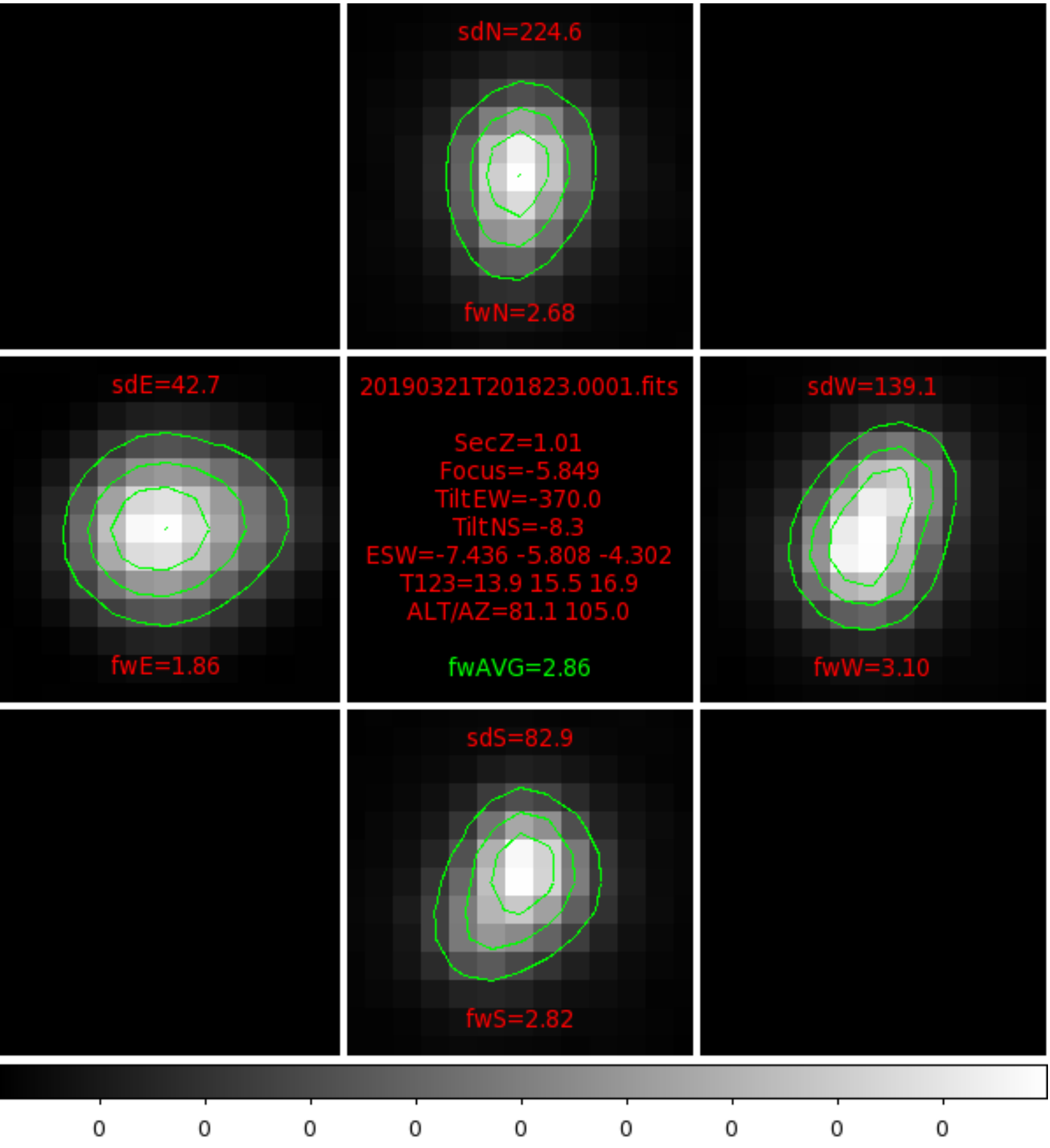
sdN=224.6
fwN=2.68
sdE=42.7
fwE=1.86
20190321T201823.0001.fits
SecZ=1.01
Focus=-5.849
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.436 -5.808 -4.302
T123=13.9 15.5 16.9
ALT/AZ=81.1 105.0
fwAVG=2.86
sdW=139.1
fwW=3.10
sdS=82.9
fwS=2.82
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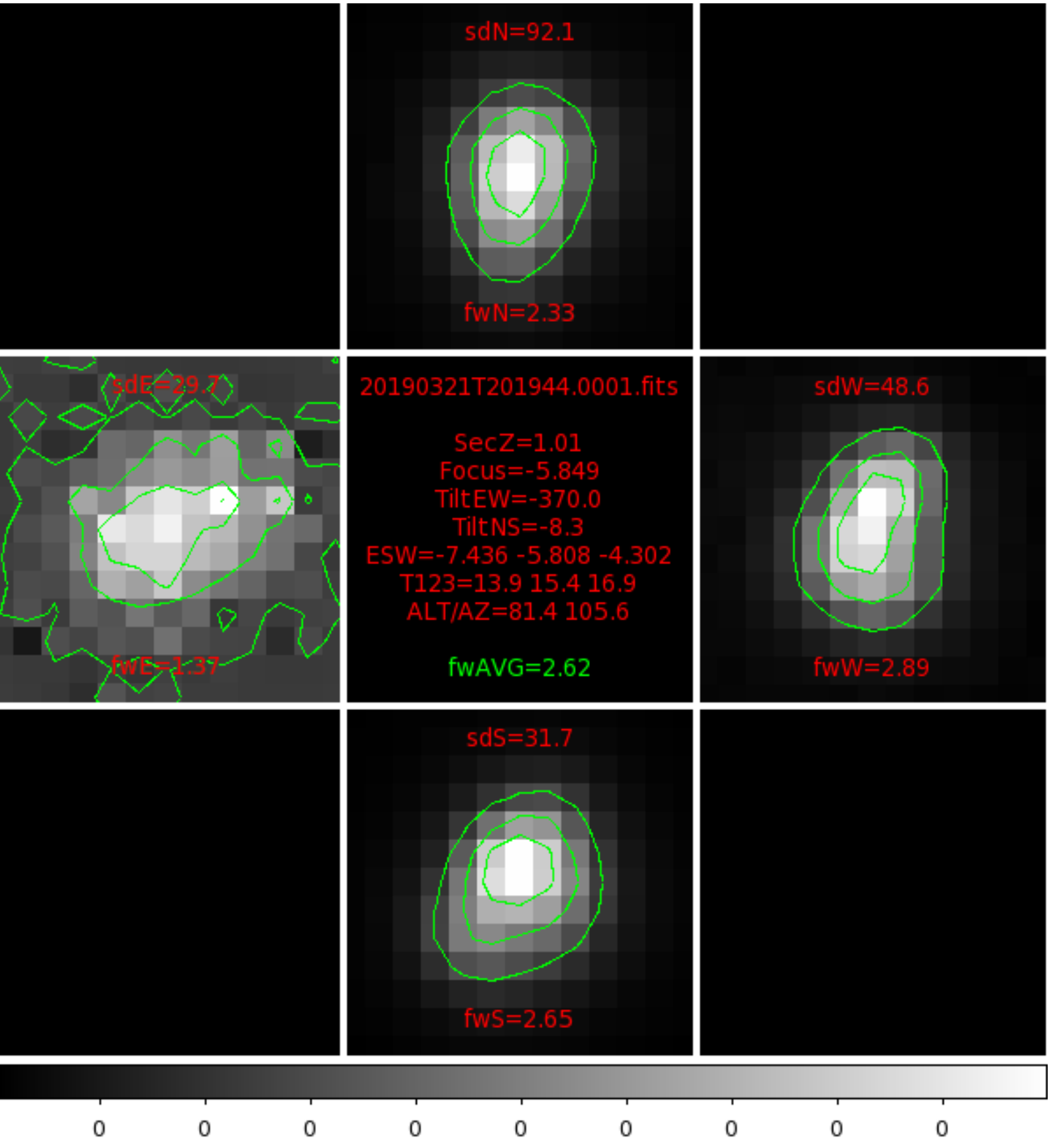
sdN=92.1
fwN=2.33
sdE=29.7
fwE=1.37
20190321T201944.0001.fits
SecZ=1.01
Focus=-5.849
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.436 -5.808 -4.302
T123=13.9 15.4 16.9
ALT/AZ=81.4 105.6
fwAVG=2.62
sdW=48.6
fwW=2.89
sdS=31.7
fwS=2.65
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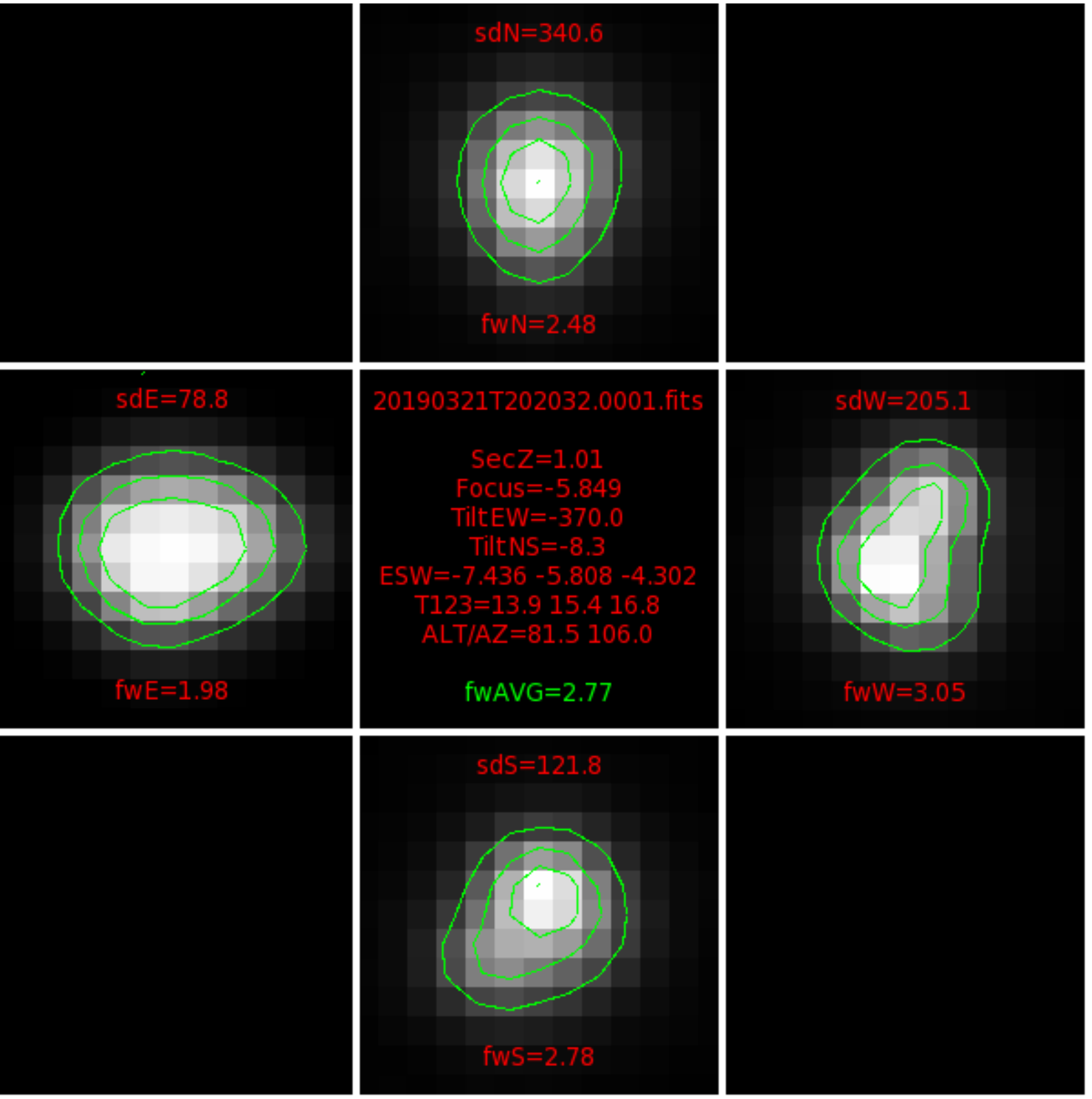
sdN=340.6
fwN=2.48
sdE=78.8
fwE=1.98
20190321T202032.0001.fits
SecZ=1.01
Focus=-5.849
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.436 -5.808 -4.302
T123=13.9 15.4 16.8
ALT/AZ=81.5 106.0
fwAVG=2.77
sdW=205.1
fwW=3.05
sdS=121.8
fwS=2.78
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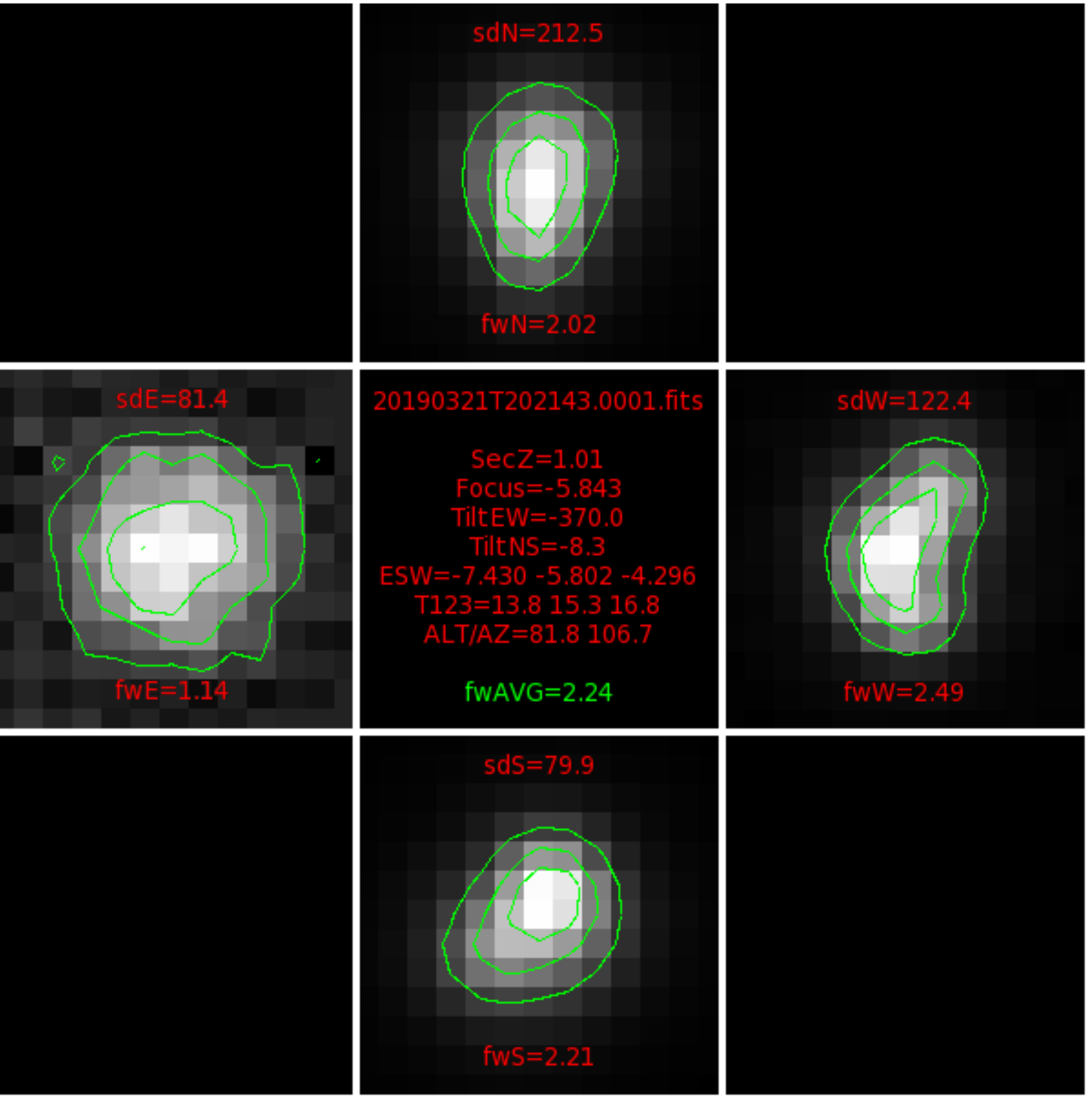
sdN=212.5
fwN=2.02
sdE=81.4
fwE=1.14
20190321T202143.0001.fits
SecZ=1.01
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=13.8 15.3 16.8
ALT/AZ=81.8 106.7
fwAVG=2.24
sdW=122.4
fwW=2.49
sdS=79.9
fwS=2.21
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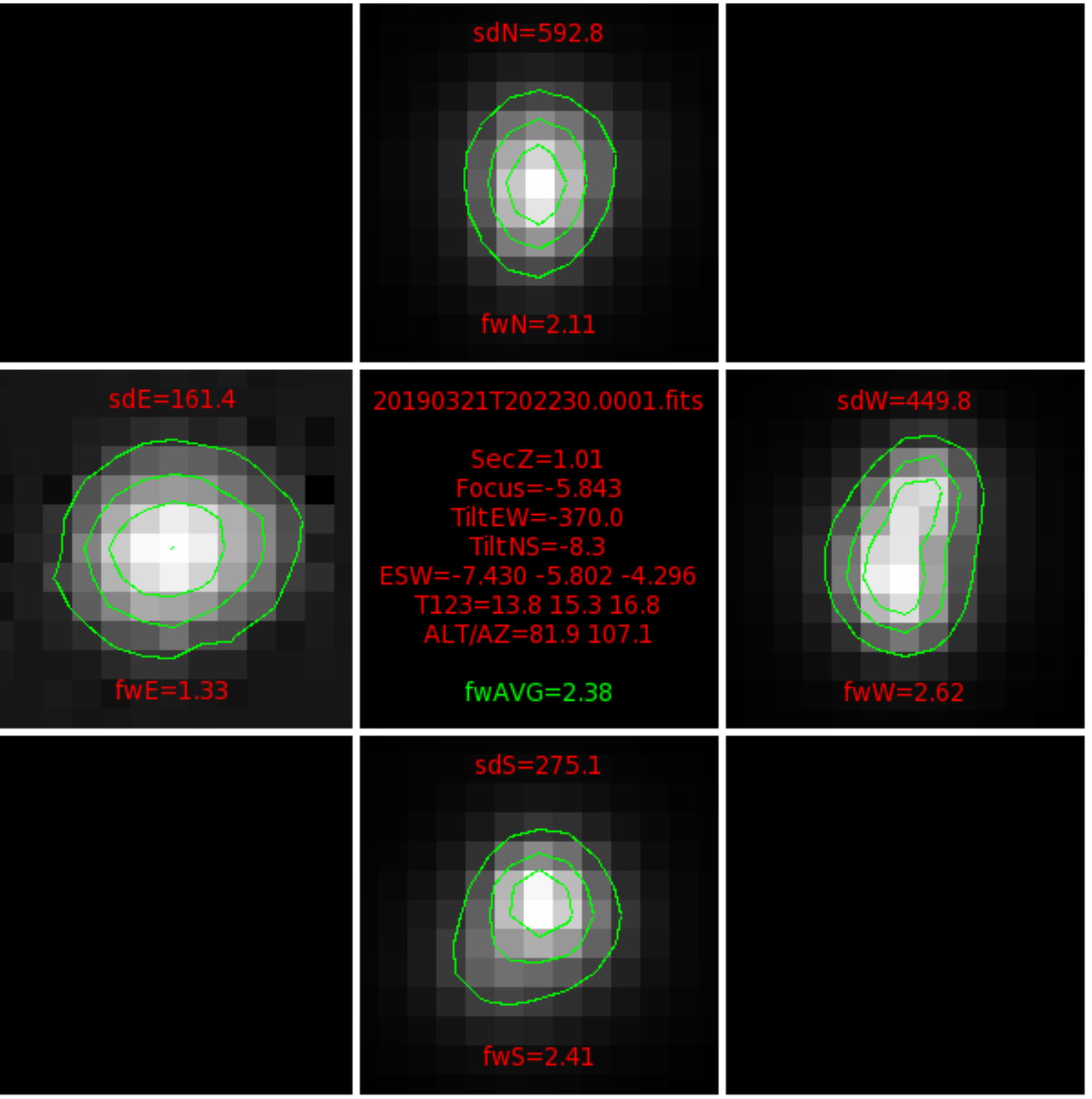
sdN=592.8
fwN=2.11
sdE=161.4
fwE=1.33
20190321T202230.0001.fits
SecZ=1.01
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=13.8 15.3 16.8
ALT/AZ=81.9 107.1
fwAVG=2.38
sdW=449.8
fwW=2.62
sdS=275.1
fwS=2.41
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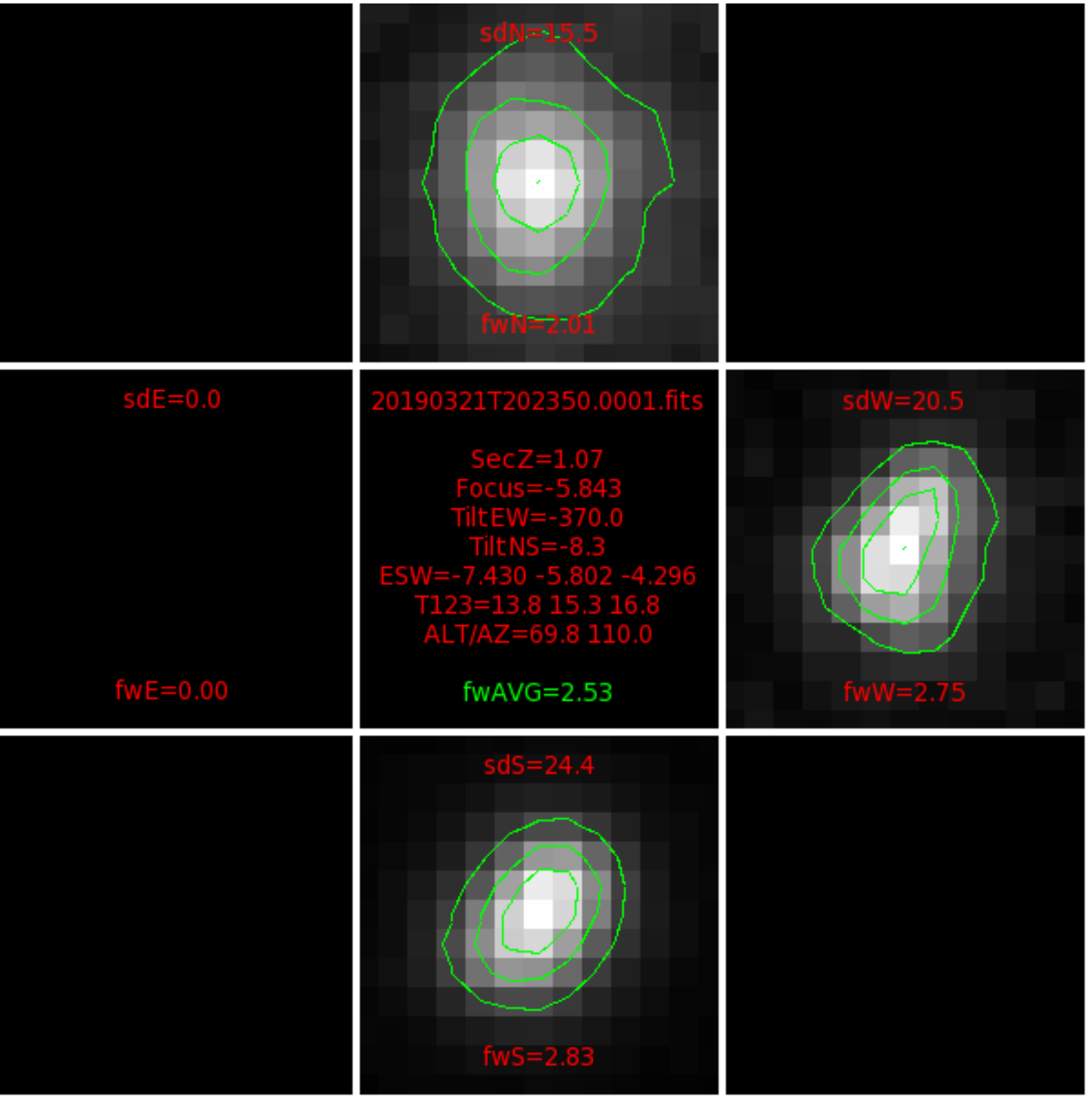
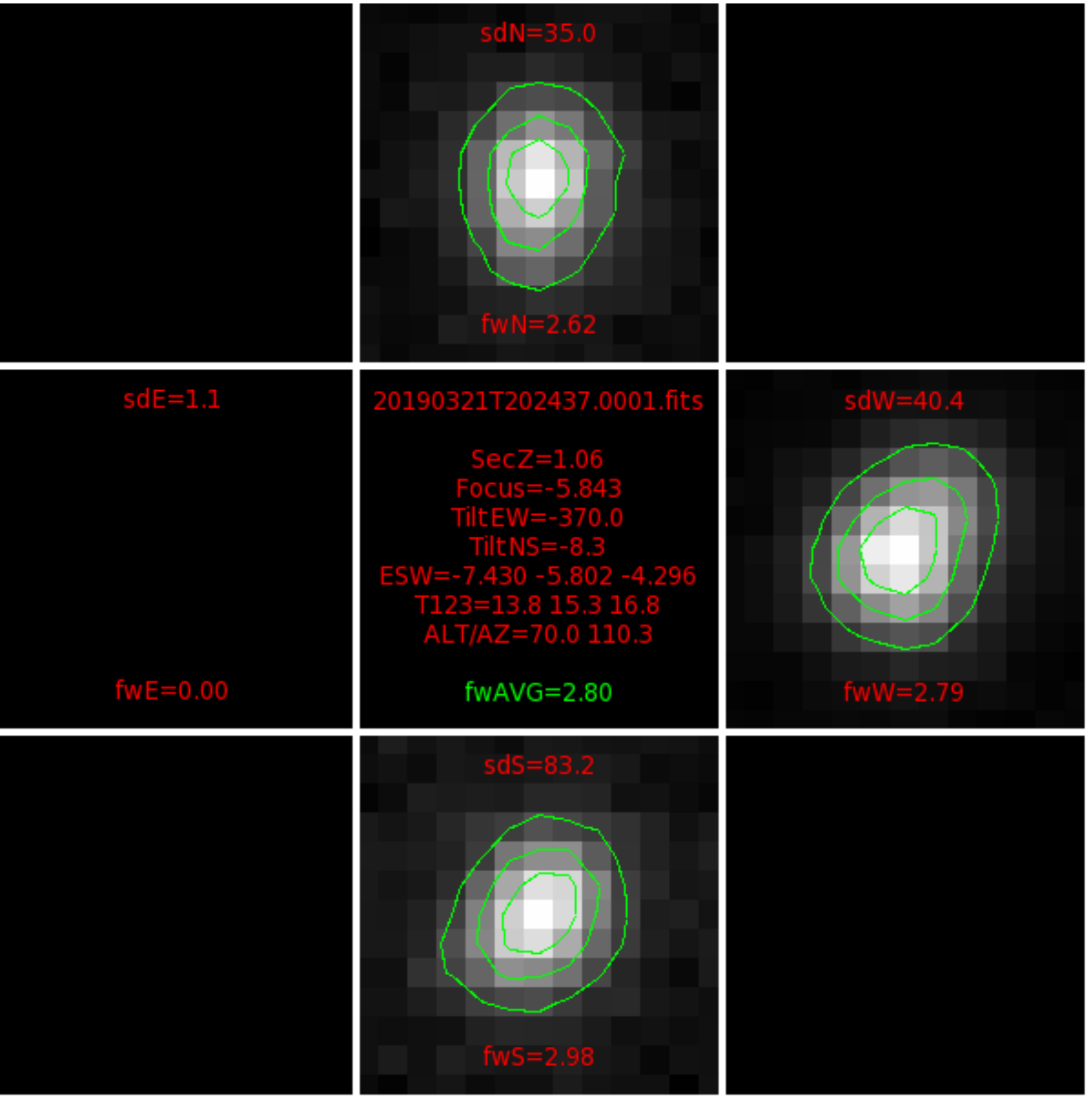

sdN=15.5
fwN=2.01
sdE=0.0
20190321T202350.0001.fits
SecZ=1.07
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=13.8 15.3 16.8
ALT/AZ=69.8 110.0
fwAVG=2.53
sdW=20.5
fwE=0.00
fwW=2.75
sdS=24.4
fwS=2.83
0 0 0 0 0 0 0 0 0


sdN=35.0
fwN=2.62
sdE=1.1
fwE=0.00
20190321T202437.0001.fits
SecZ=1.06
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=13.8 15.3 16.8
ALT/AZ=70.0 110.3
fwAVG=2.80
sdW=40.4
fwW=2.79
sdS=83.2
fwS=2.98
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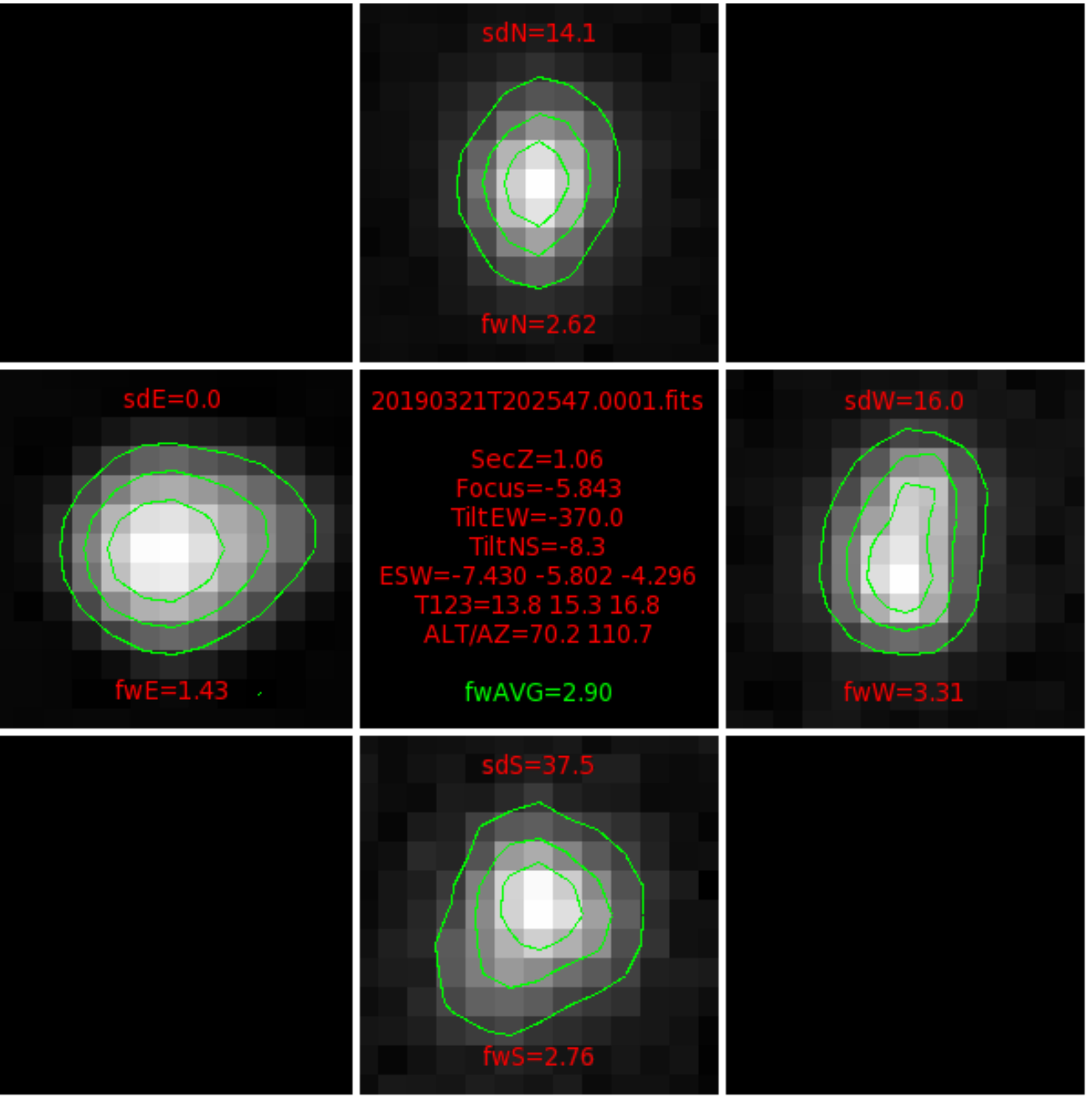
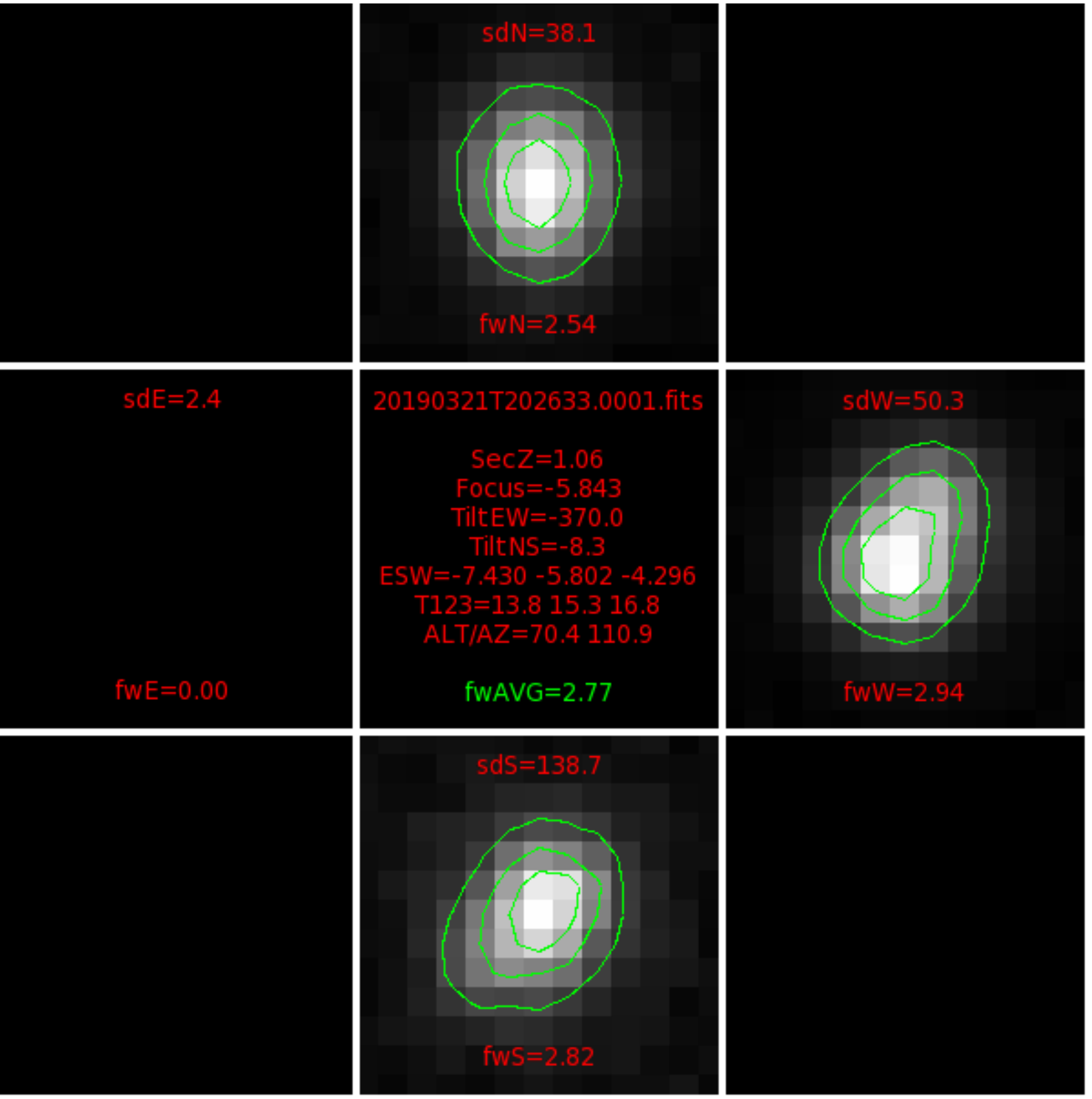

sdN=14.1
fwN=2.62
sdE=0.0
fwE=1.43
20190321T202547.0001.fits
SecZ=1.06
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=13.8 15.3 16.8
ALT/AZ=70.2 110.7
fwAVG=2.90
sdW=16.0
fwW=3.31
sdS=37.5
fwS=2.76
0 0 0 0 0 0 0 0 0


sdN=38.1
fwN=2.54
sdE=2.4
fwE=0.00
20190321T202633.0001.fits
SecZ=1.06
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=13.8 15.3 16.8
ALT/AZ=70.4 110.9
fwAVG=2.77
sdW=50.3
fwW=2.94
sdS=138.7
fwS=2.82
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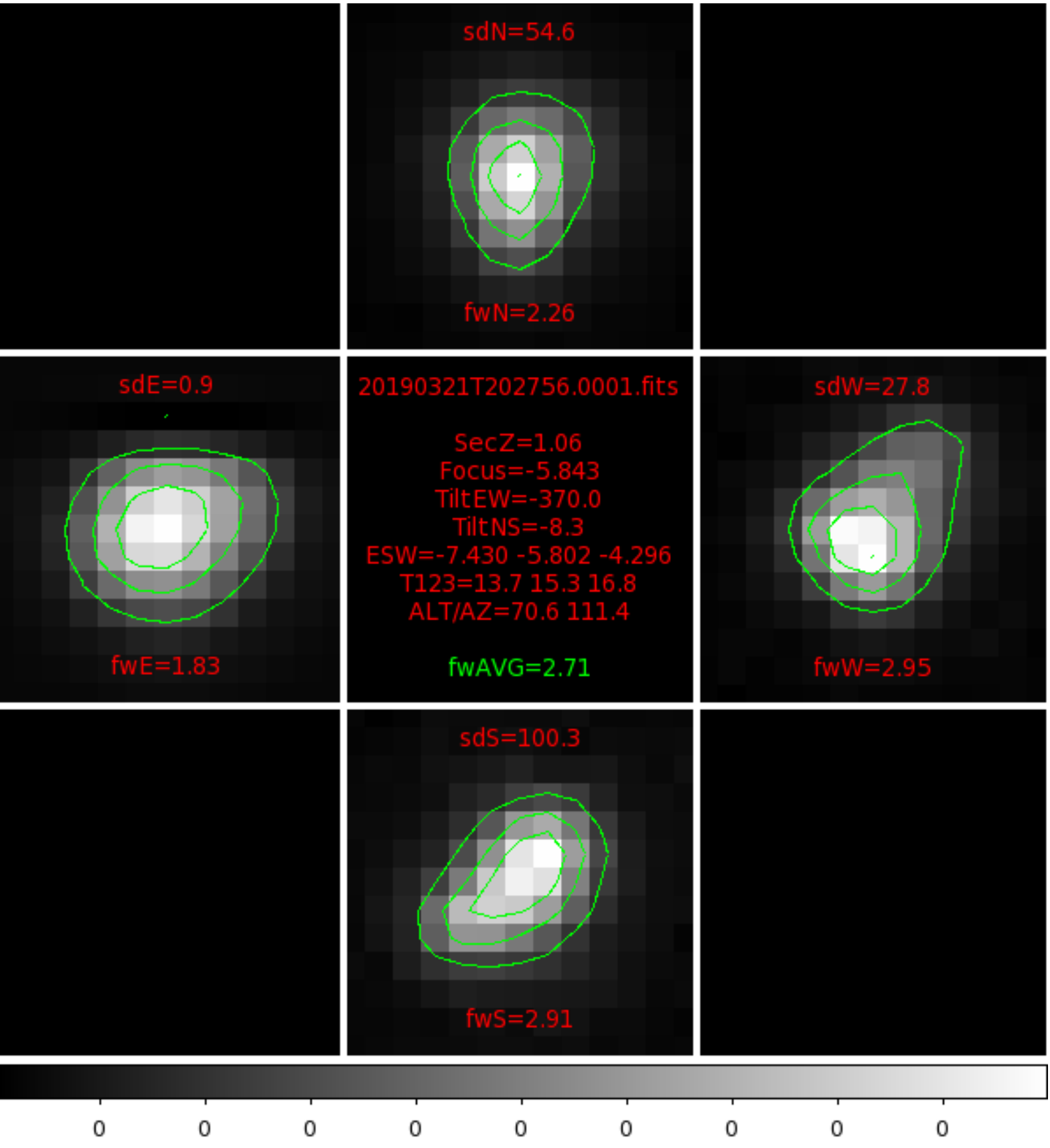
sdN=54.6
fwN=2.26
sdE=0.9
fwE=1.83
20190321T202756.0001.fits
SecZ=1.06
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=13.7 15.3 16.8
ALT/AZ=70.6 111.4
fwAVG=2.71
sdW=27.8
fwW=2.95
sdS=100.3
fwS=2.91
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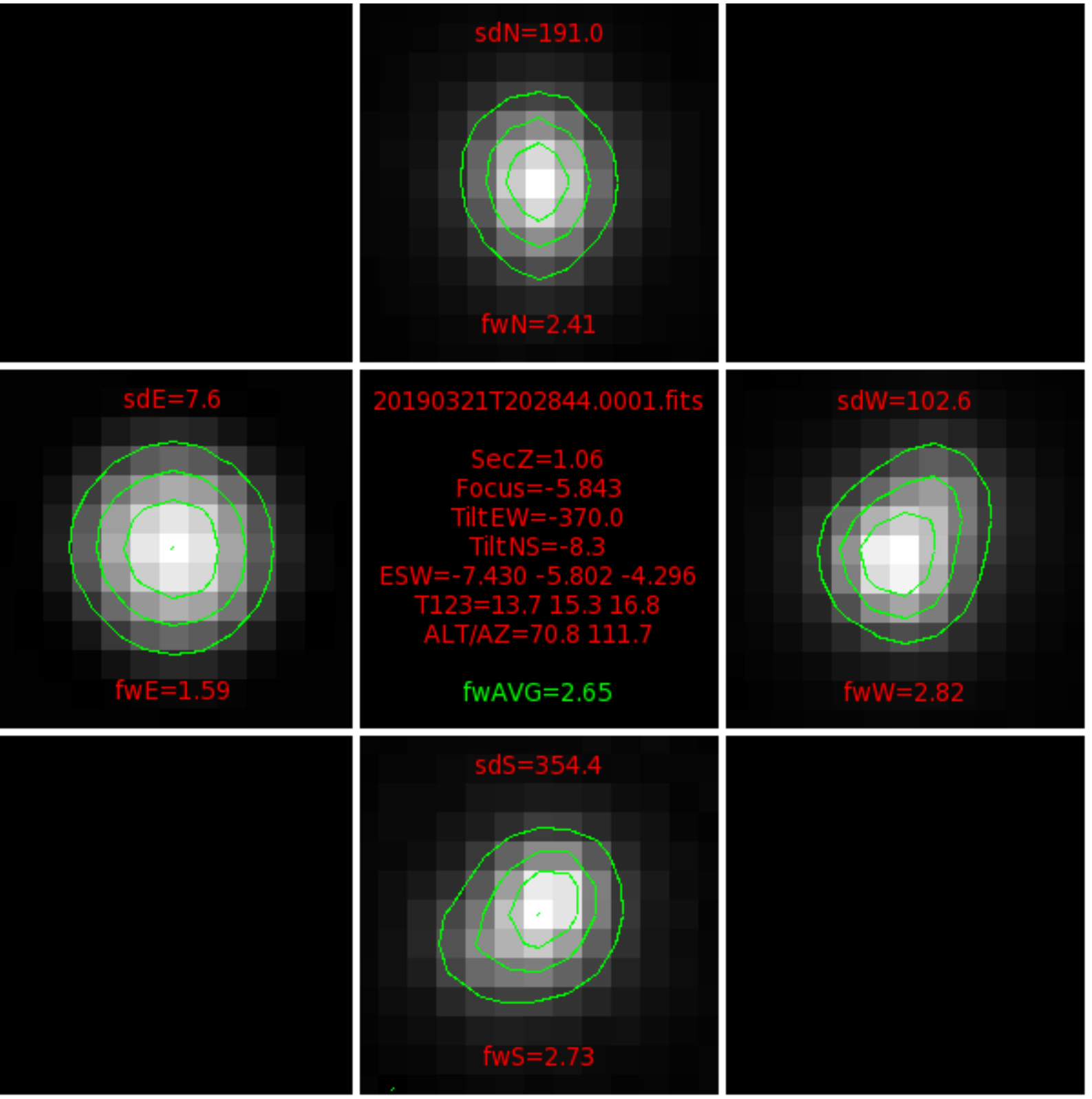
sdN=191.0
fwN=2.41
sdE=7.6
fwE=1.59
20190321T202844.0001.fits
SecZ=1.06
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=13.7 15.3 16.8
ALT/AZ=70.8 111.7
fwAVG=2.65
sdW=102.6
fwW=2.82
sdS=354.4
fwS=2.73
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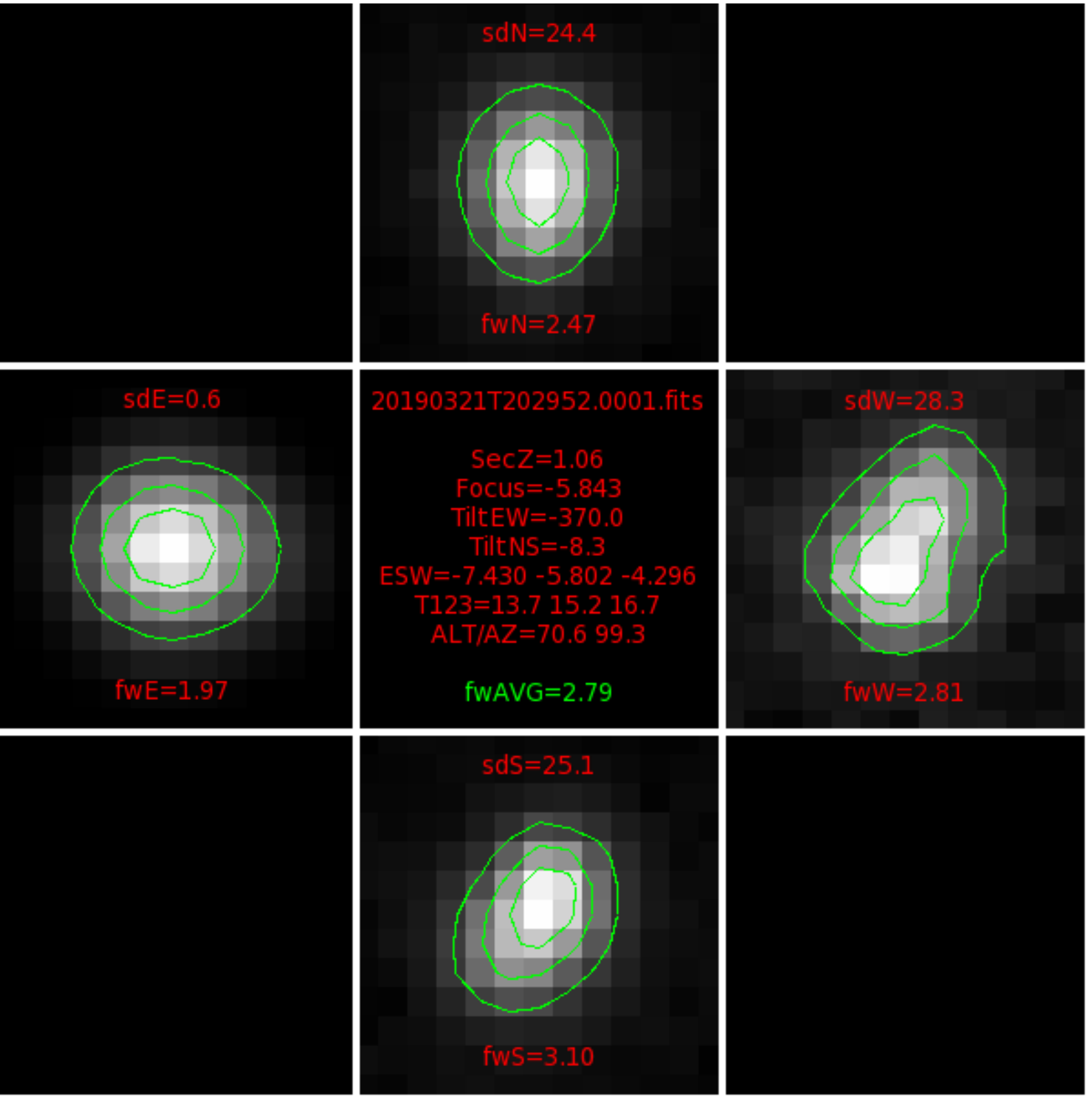
sdN=24.4
fwN=2.47
sdE=0.6
fwE=1.97
20190321T202952.0001.fits
SecZ=1.06
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=13.7 15.2 16.7
ALT/AZ=70.6 99.3
fwAVG=2.79
sdW=28.3
fwW=2.81
sdS=25.1
fwS=3.10
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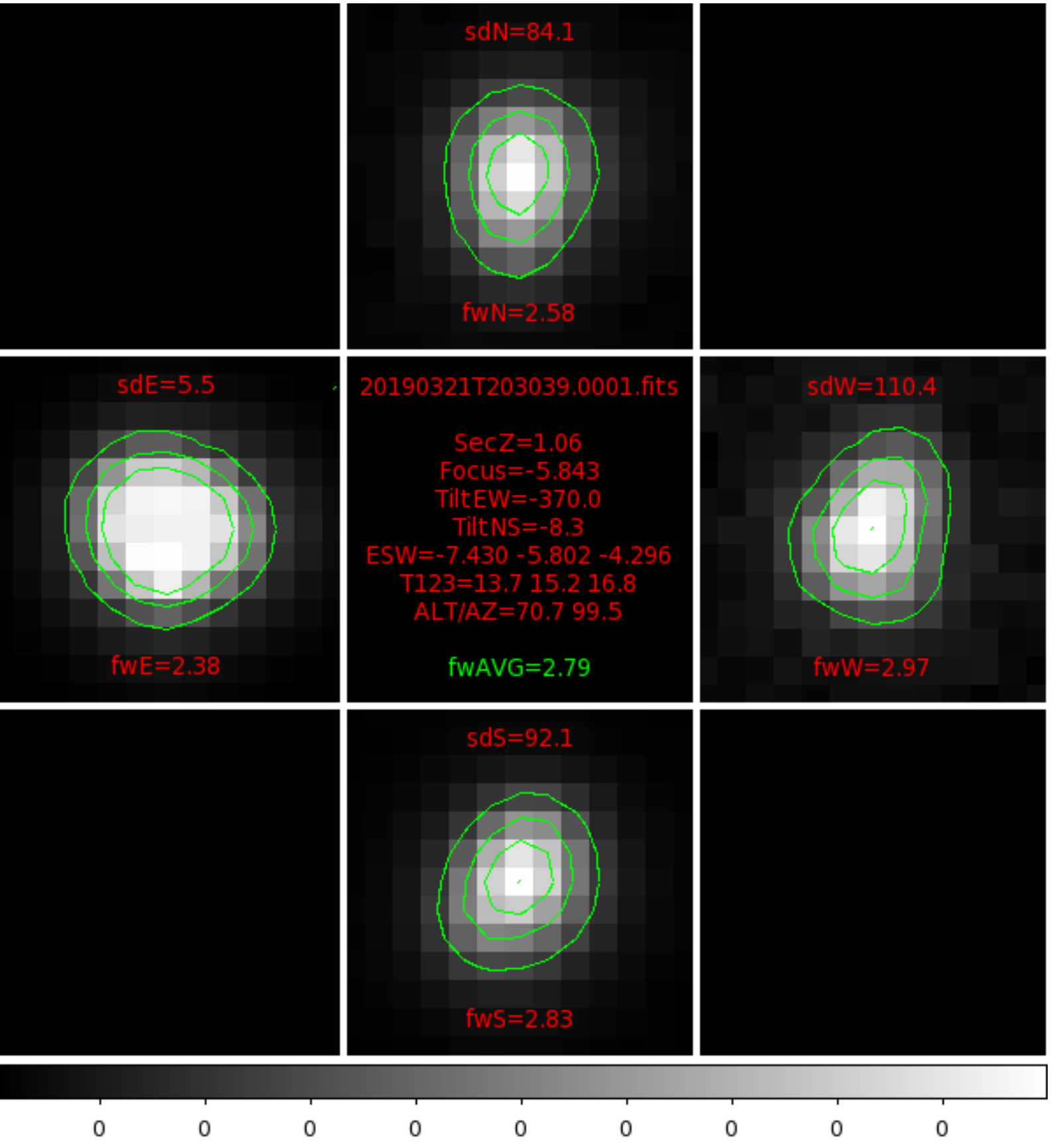
sdN=84.1
fwN=2.58
sdE=5.5
fwE=2.38
20190321T203039.0001.fits
SecZ=1.06
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=13.7 15.2 16.8
ALT/AZ=70.7 99.5
fwAVG=2.79
sdW=110.4
fwW=2.97
sdS=92.1
fwS=2.83
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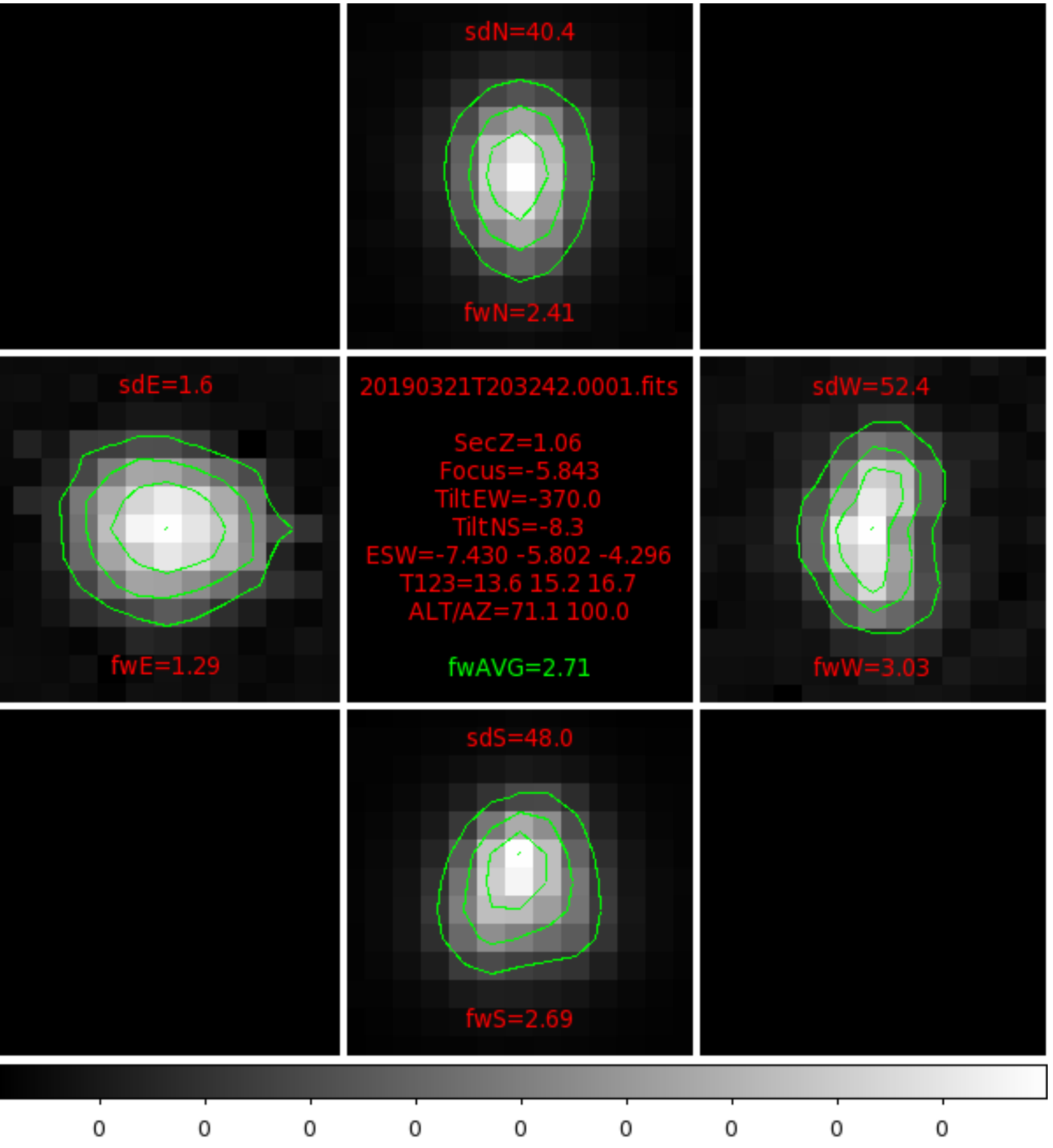
sdN=40.4
fwN=2.41
sdE=1.6
fwE=1.29
20190321T203242.0001.fits
SecZ=1.06
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=13.6 15.2 16.7
ALT/AZ=71.1 100.0
fwAVG=2.71
sdW=52.4
fwW=3.03
sdS=48.0
fwS=2.69
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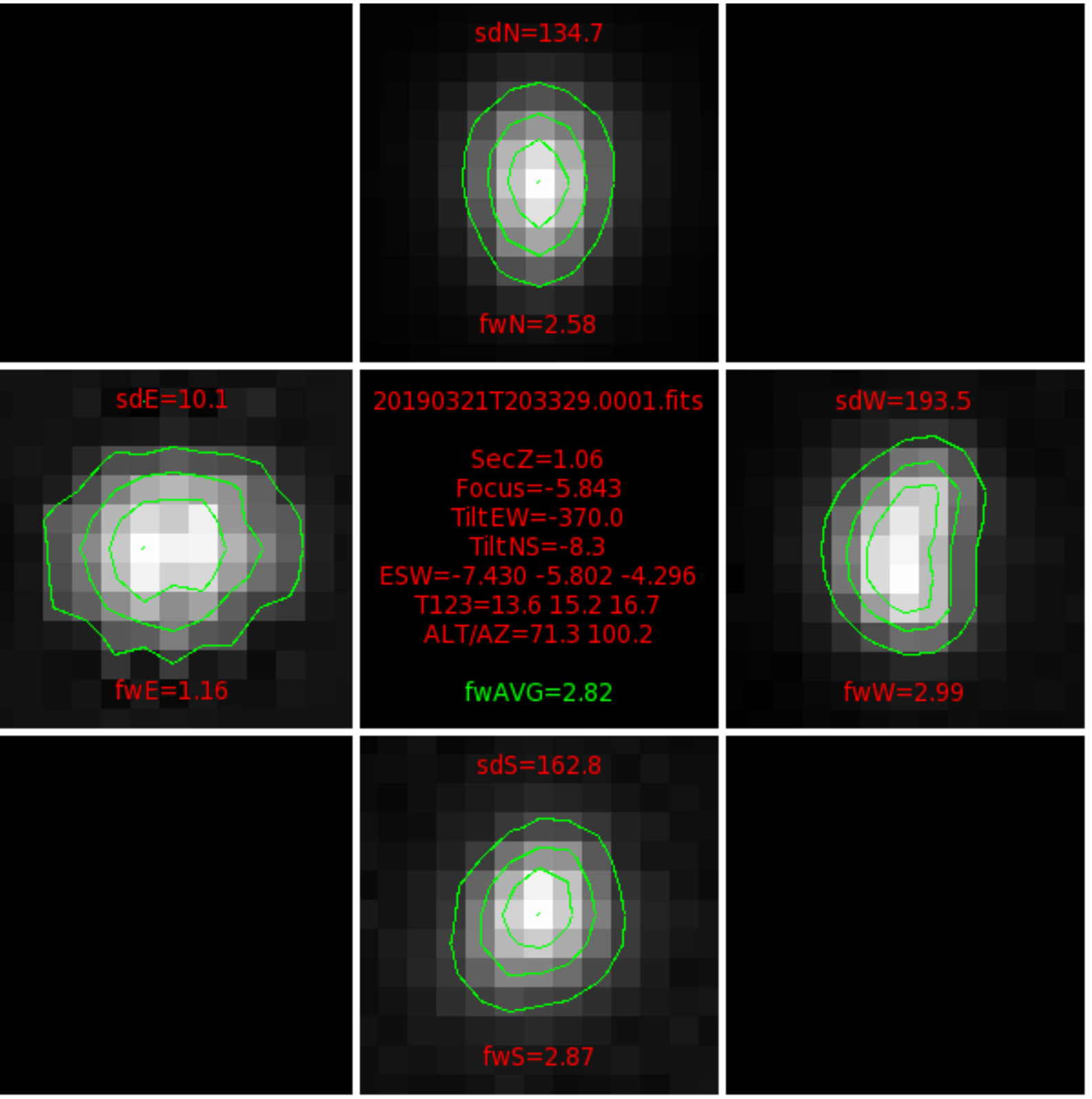
sdN=134.7
fwN=2.58
sdE=10.1
fwE=1.16
20190321T203329.0001.fits
SecZ=1.06
Focus=-5.843
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.430 -5.802 -4.296
T123=13.6 15.2 16.7
ALT/AZ=71.3 100.2
fwAVG=2.82
sdW=193.5
fwW=2.99
sdS=162.8
fwS=2.87
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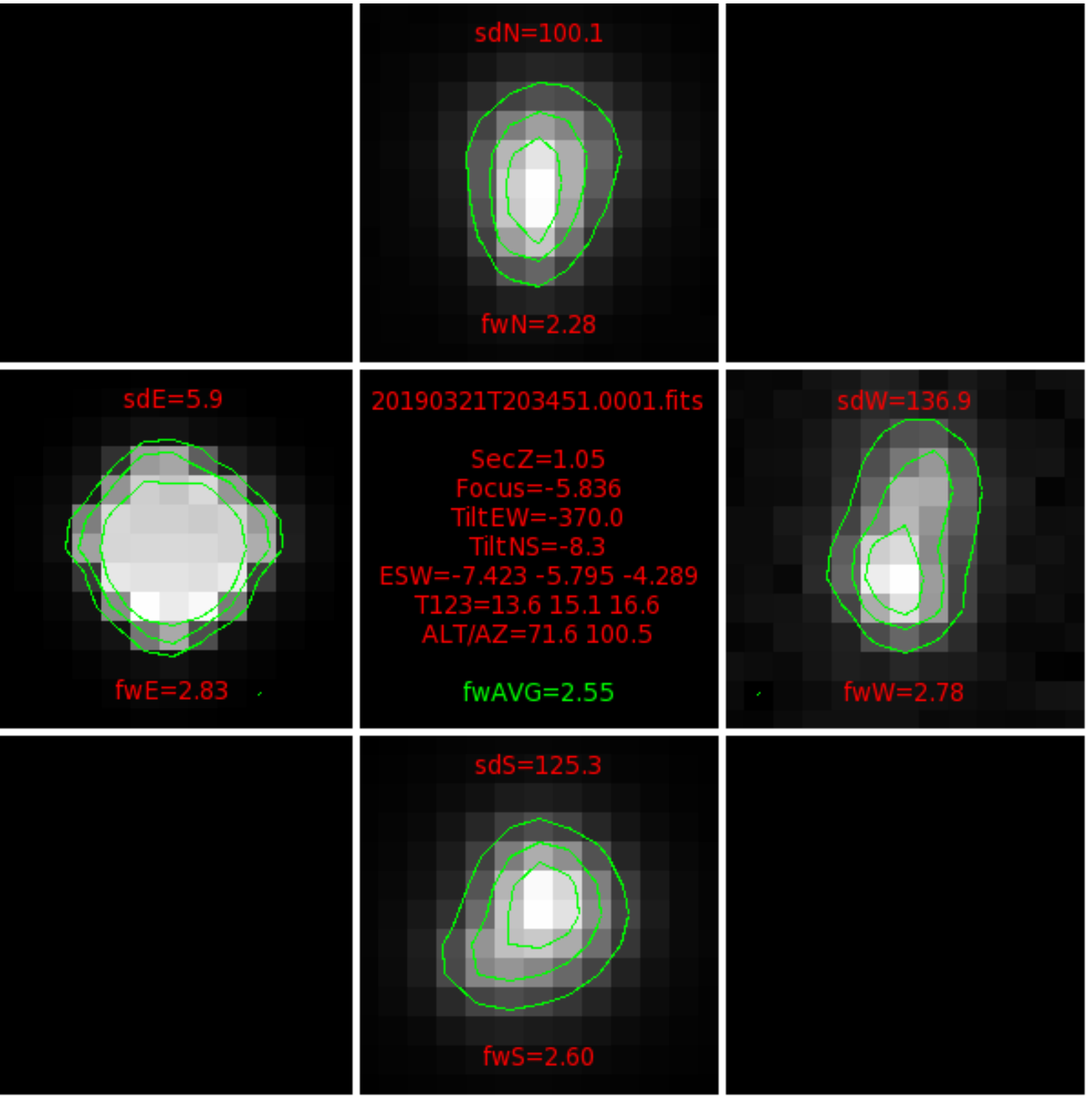
sdN=100.1
fwN=2.28
sdE=5.9
fwE=2.83
20190321T203451.0001.fits
SecZ=1.05
Focus=-5.836
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.423 -5.795 -4.289
T123=13.6 15.1 16.6
ALT/AZ=71.6 100.5
fwAVG=2.55
sdW=136.9
fwW=2.78
sdS=125.3
fwS=2.60
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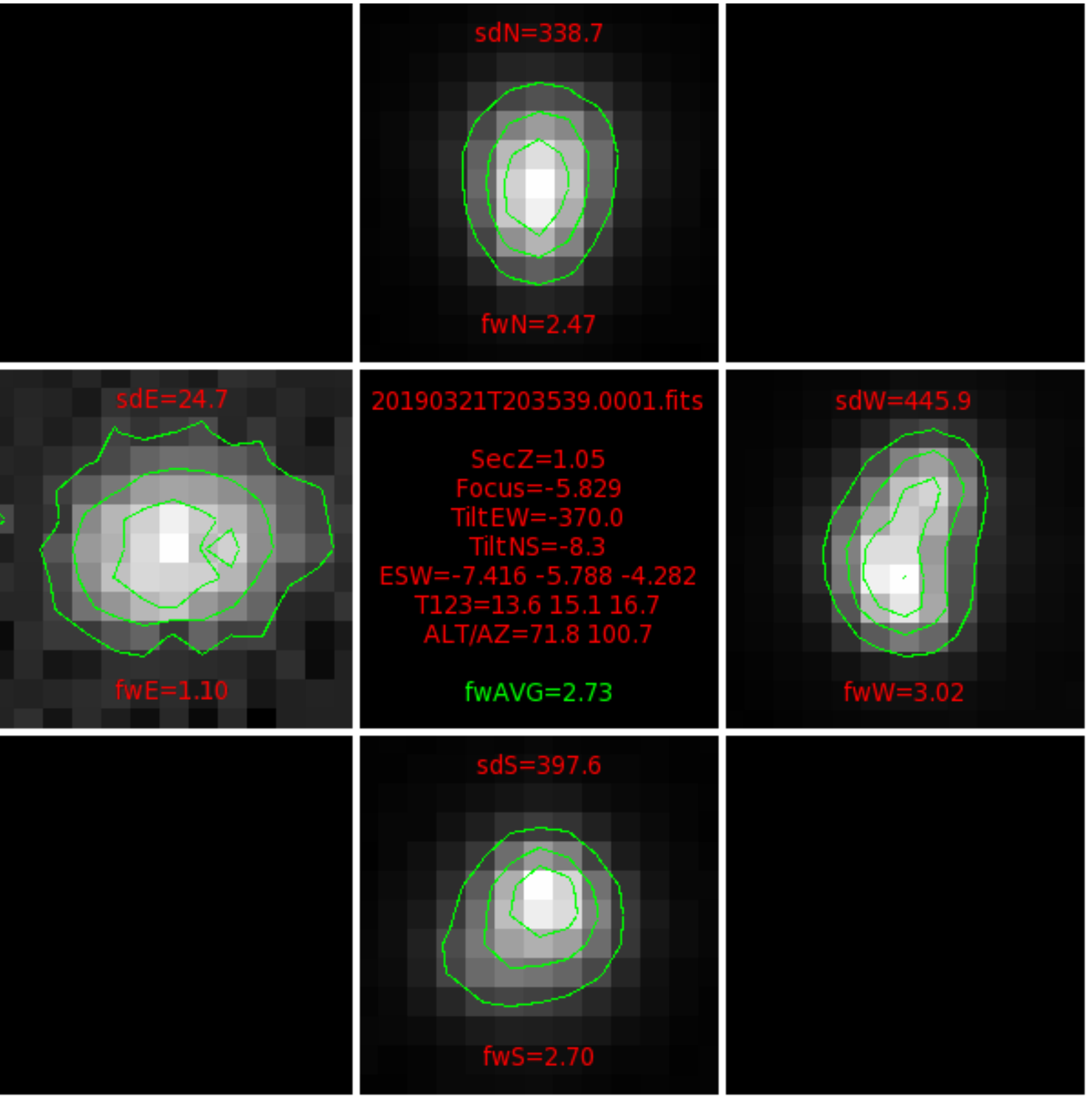
sdN=338.7
fwN=2.47
sdE=24.7
fwE=1.10
20190321T203539.0001.fits
SecZ=1.05
Focus=-5.829
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.416 -5.788 -4.282
T123=13.6 15.1 16.7
ALT/AZ=71.8 100.7
fwAVG=2.73
sdW=445.9
fwW=3.02
sdS=397.6
fwS=2.70
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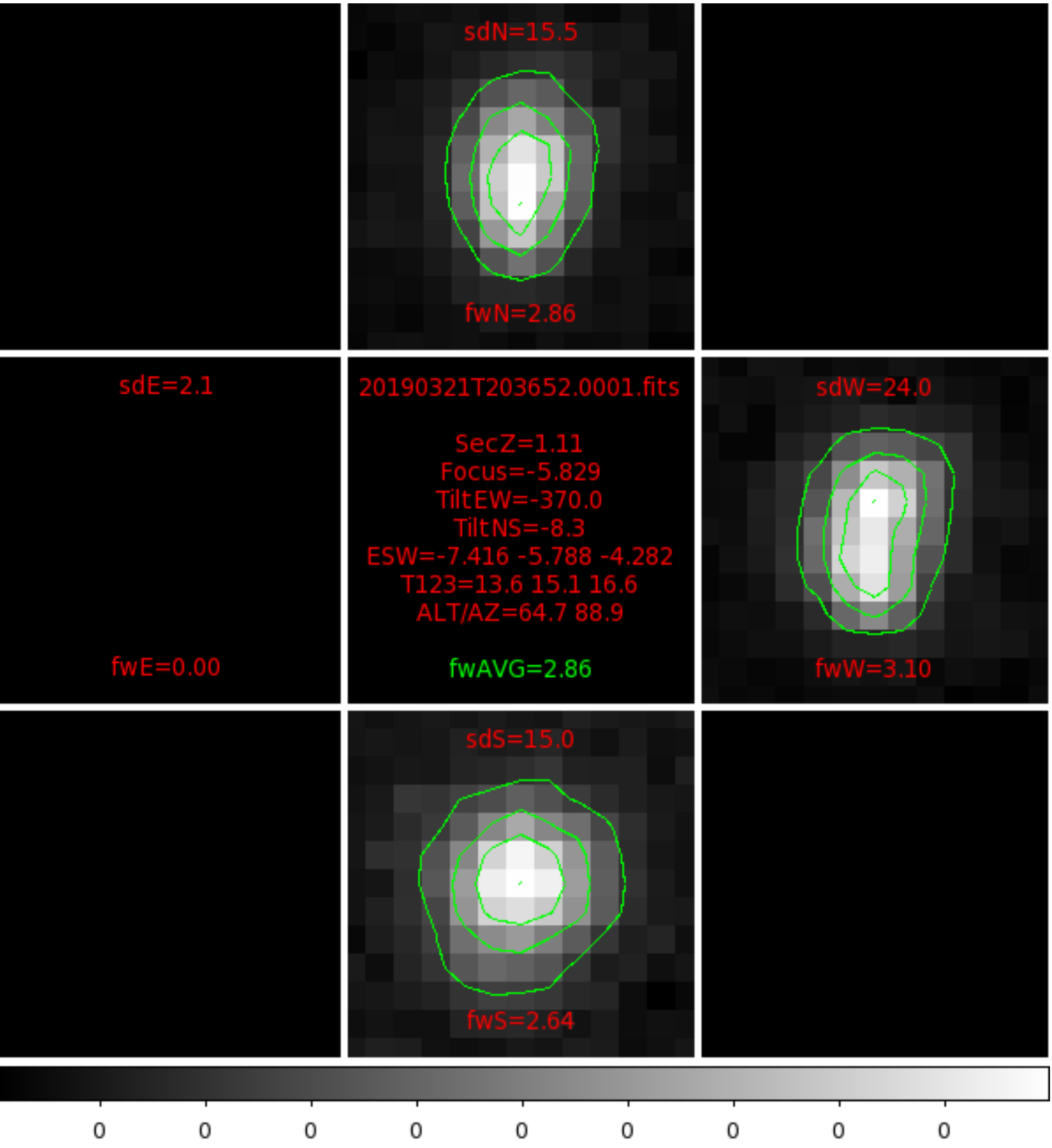
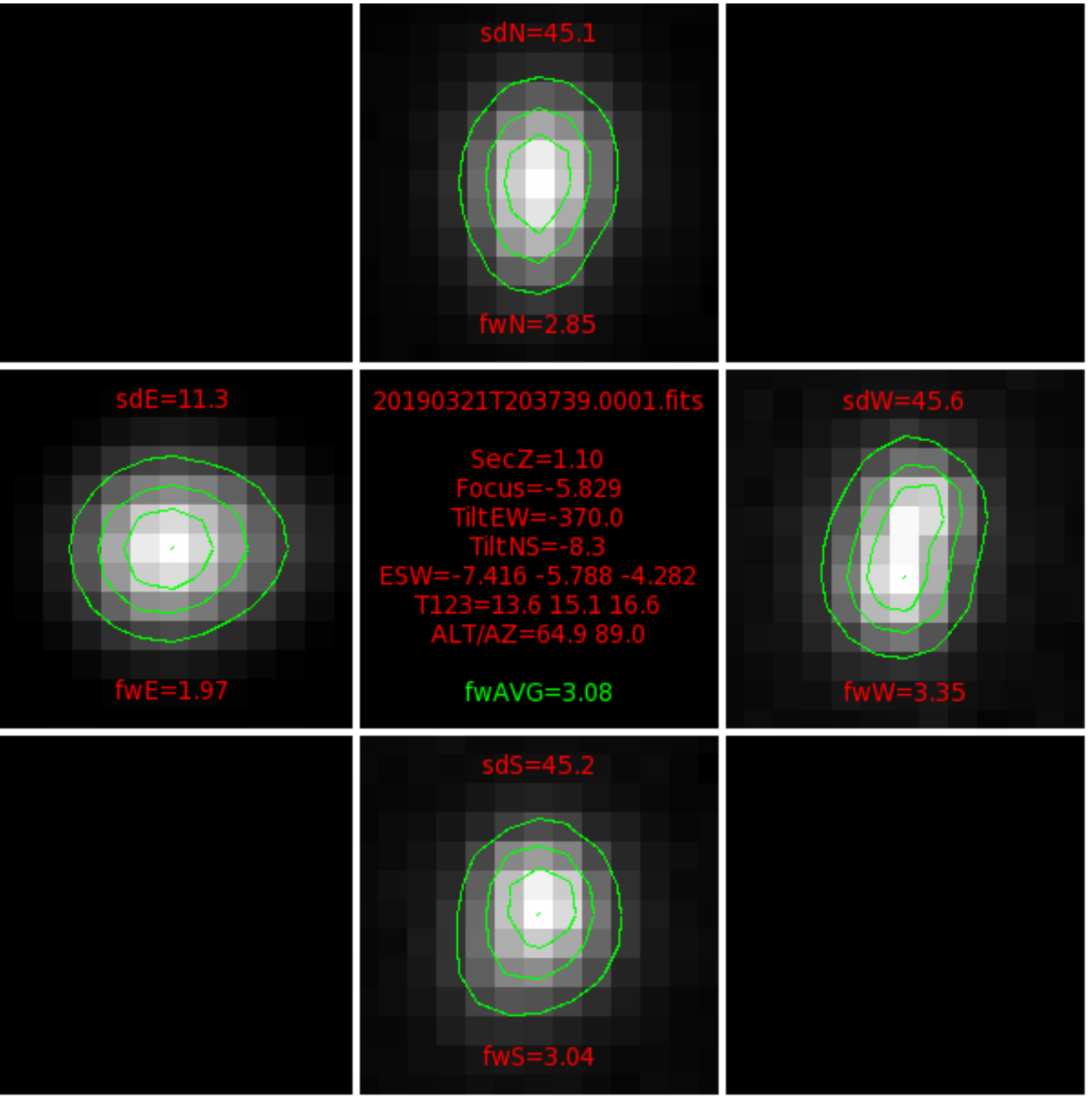
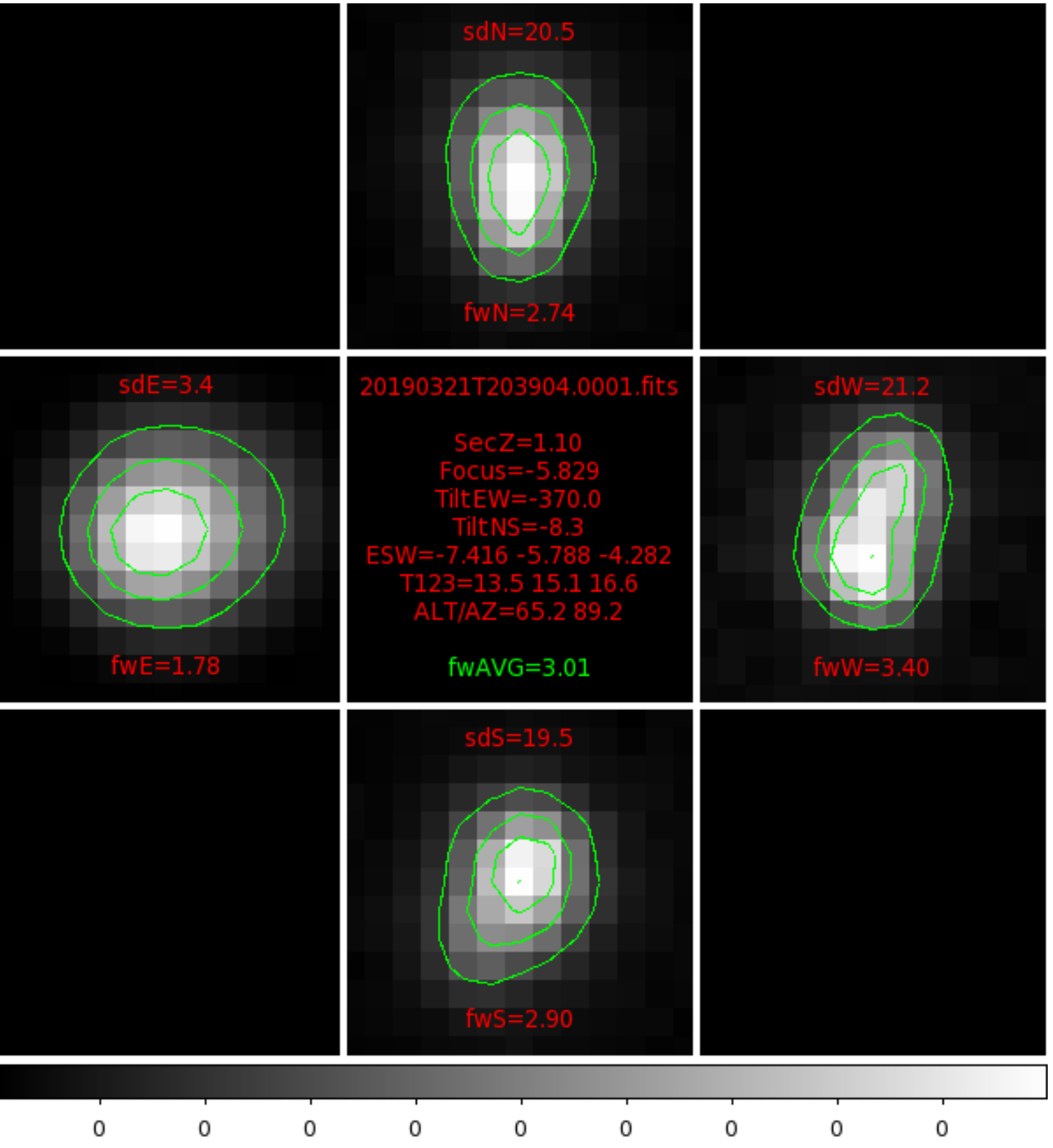

sdN=15.5
fwN=2.86
sdE=2.1
fwE=0.00
20190321T203652.0001.fits
SecZ=1.11
Focus=-5.829
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.416 -5.788 -4.282
T123=13.6 15.1 16.6
ALT/AZ=64.7 88.9
fwAVG=2.86
sdW=24.0
fwW=3.10
sdS=15.0
fwS=2.64
0 0 0 0 0 0 0 0 0


sdN=45.1
fwN=2.85
sdE=11.3
fwE=1.97
20190321T203739.0001.fits
SecZ=1.10
Focus=-5.829
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.416 -5.788 -4.282
T123=13.6 15.1 16.6
ALT/AZ=64.9 89.0
fwAVG=3.08
sdW=45.6
fwW=3.35
sdS=45.2
fwS=3.04
0 0 0 0 0 0 0 0 0


sdN=20.5
fwN=2.74
sdE=3.4
fwE=1.78
20190321T203904.0001.fits
SecZ=1.10
Focus=-5.829
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.416 -5.788 -4.282
T123=13.5 15.1 16.6
ALT/AZ=65.2 89.2
fwAVG=3.01
sdW=21.2
fwW=3.40
sdS=19.5
fwS=2.90
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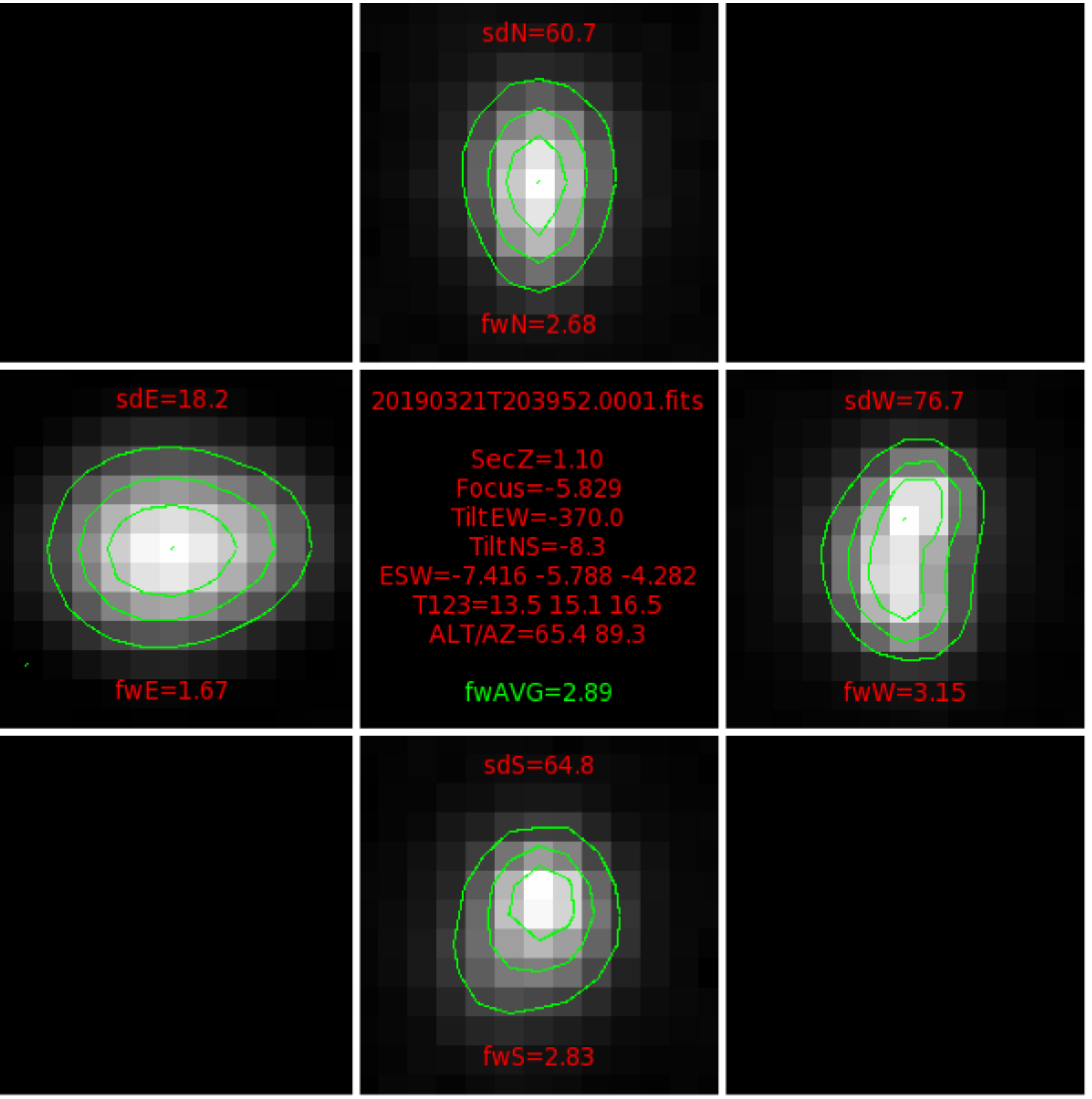
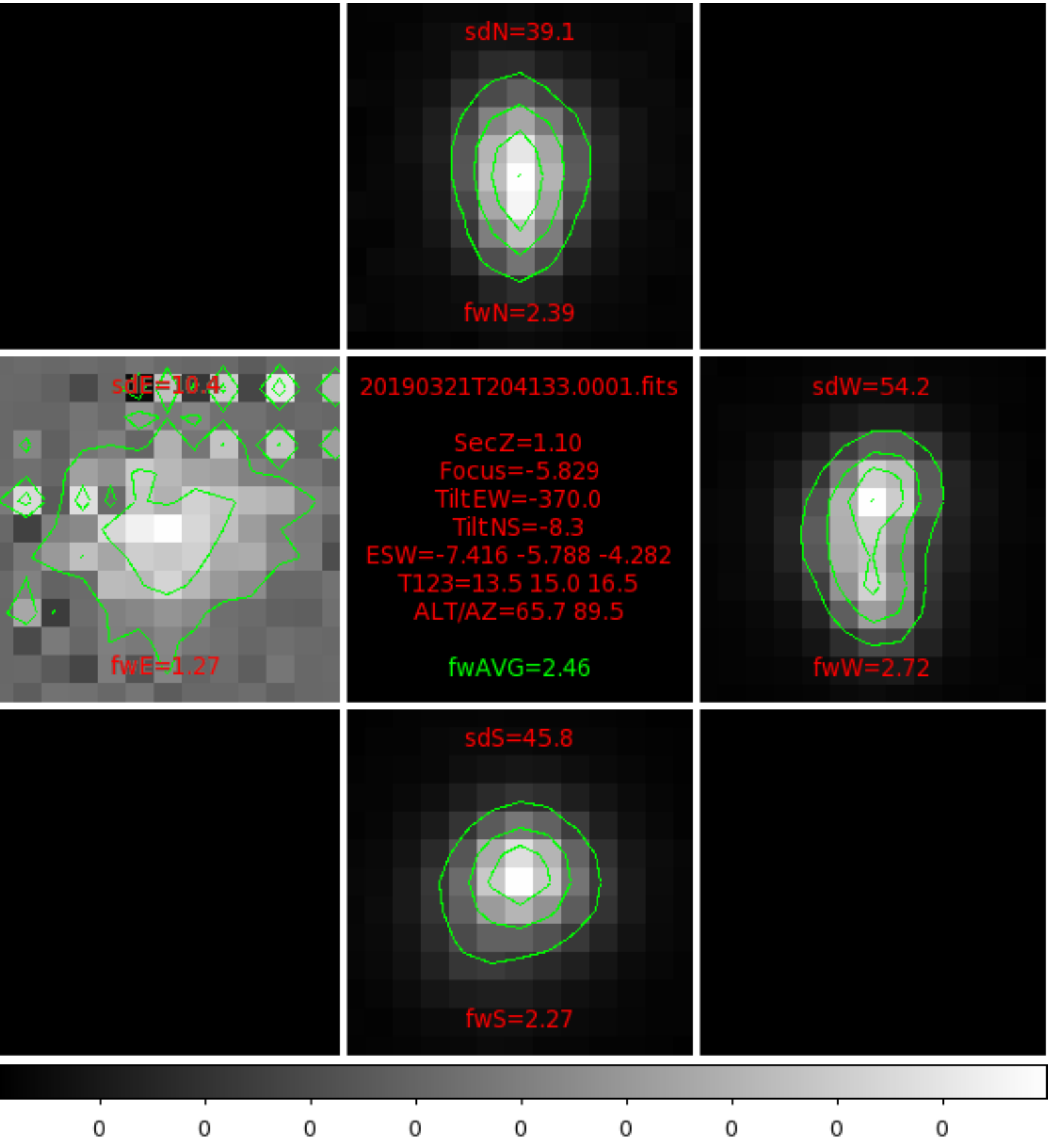
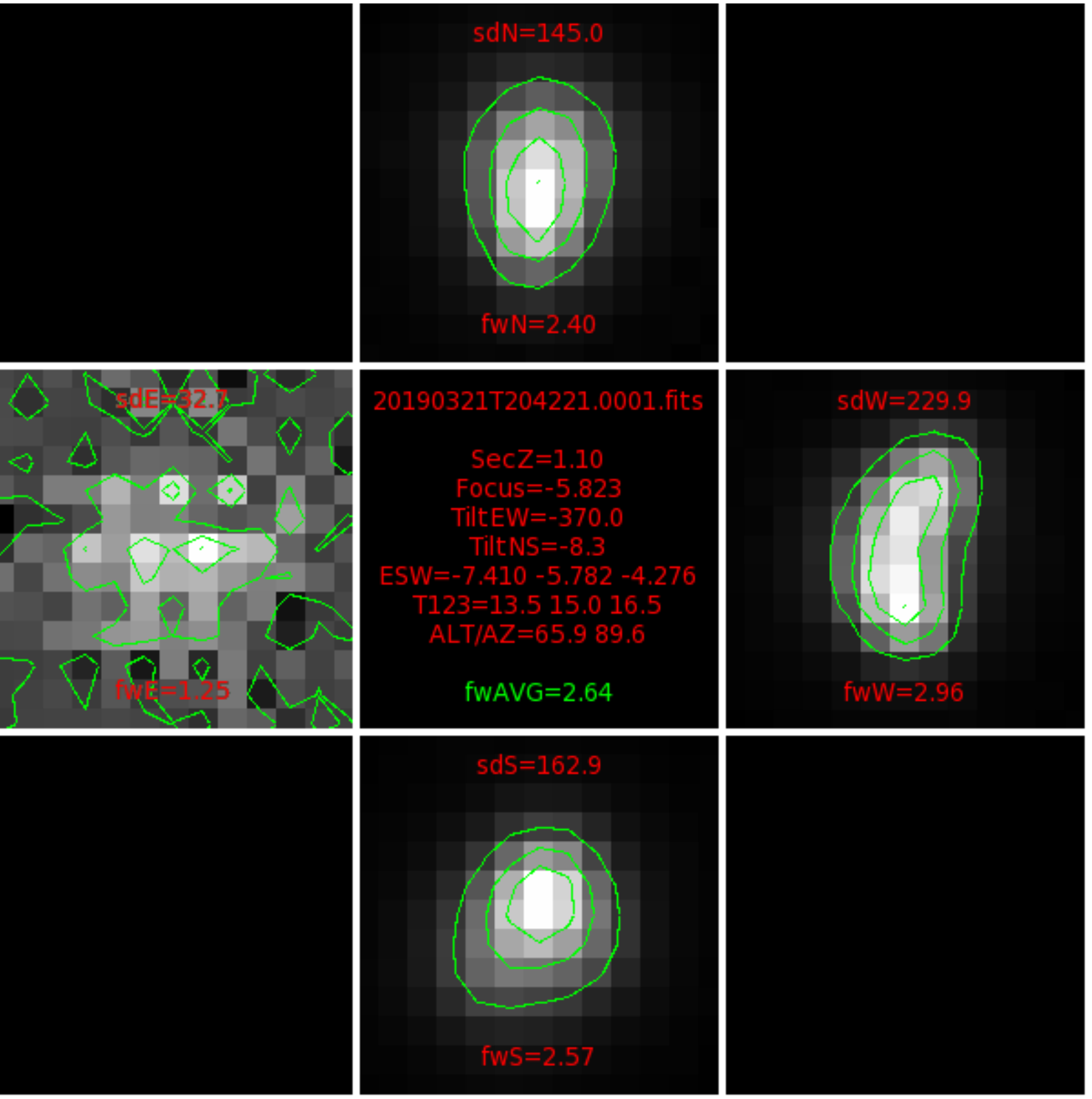

sdN=60.7
fwN=2.68
sdE=18.2
fwE=1.67
20190321T203952.0001.fits
SecZ=1.10
Focus=-5.829
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.416 -5.788 -4.282
T123=13.5 15.1 16.5
ALT/AZ=65.4 89.3
fwAVG=2.89
sdW=76.7
fwW=3.15
sdS=64.8
fwS=2.83
0 0 0 0 0 0 0 0 0


sdN=39.1
fwN=2.39
sdE=10.4
fwE=1.27
20190321T204133.0001.fits
SecZ=1.10
Focus=-5.829
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.416 -5.788 -4.282
T123=13.5 15.0 16.5
ALT/AZ=65.7 89.5
fwAVG=2.46
sdW=54.2
fwW=2.72
sdS=45.8
fwS=2.27
0 0 0 0 0 0 0 0 0


sdN=145.0
fwN=2.40
sdE=32.7
fwE=1.25
20190321T204221.0001.fits
SecZ=1.10
Focus=-5.823
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.410 -5.782 -4.276
T123=13.5 15.0 16.5
ALT/AZ=65.9 89.6
fwAVG=2.64
sdW=229.9
fwW=2.96
sdS=162.9
fwS=2.57
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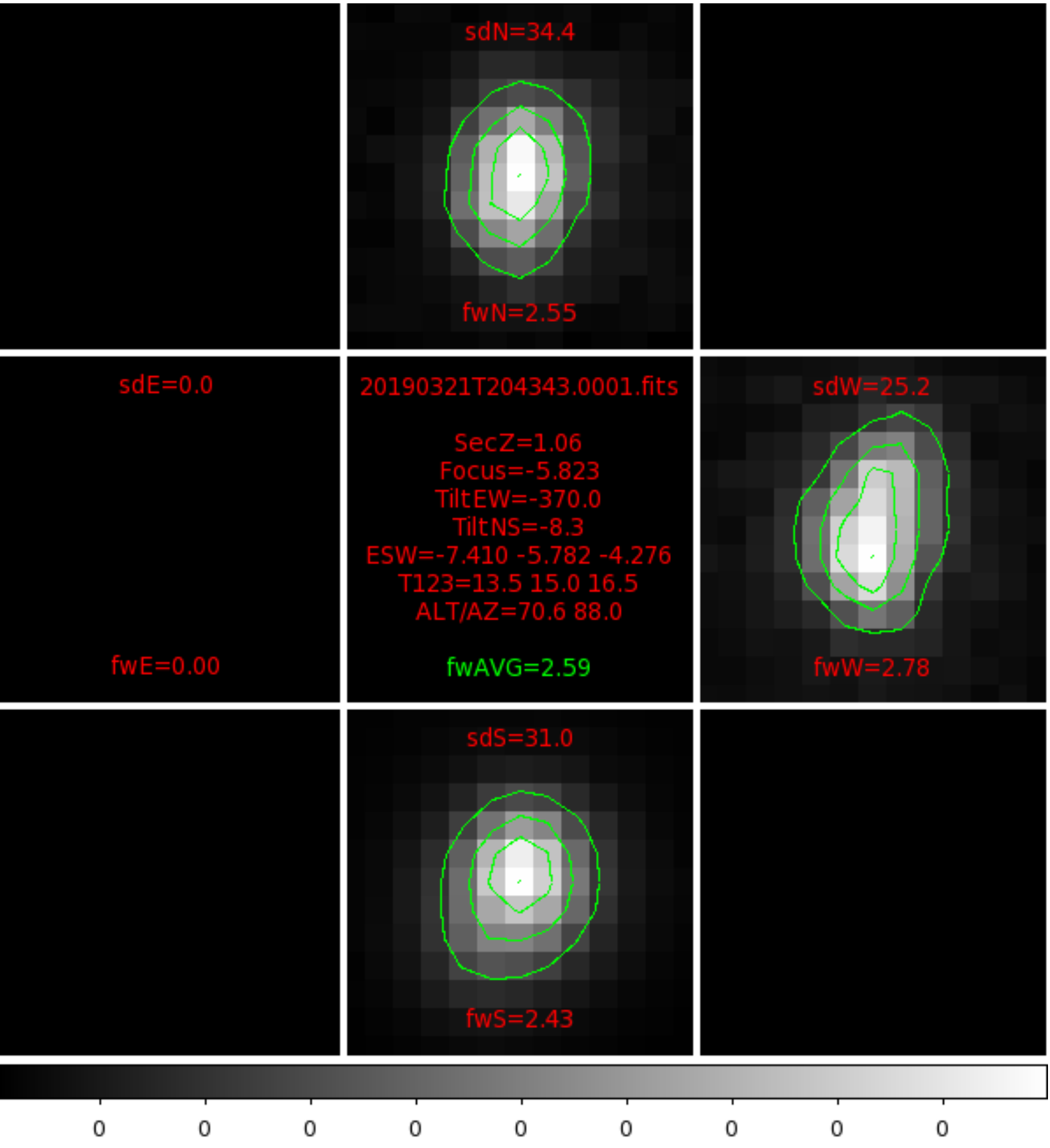
sdN=34.4
fwN=2.55
sdE=0.0
fwE=0.00
20190321T204343.0001.fits
SecZ=1.06
Focus=-5.823
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.410 -5.782 -4.276
T123=13.5 15.0 16.5
ALT/AZ=70.6 88.0
fwAVG=2.59
sdW=25.2
fwW=2.78
sdS=31.0
fwS=2.43
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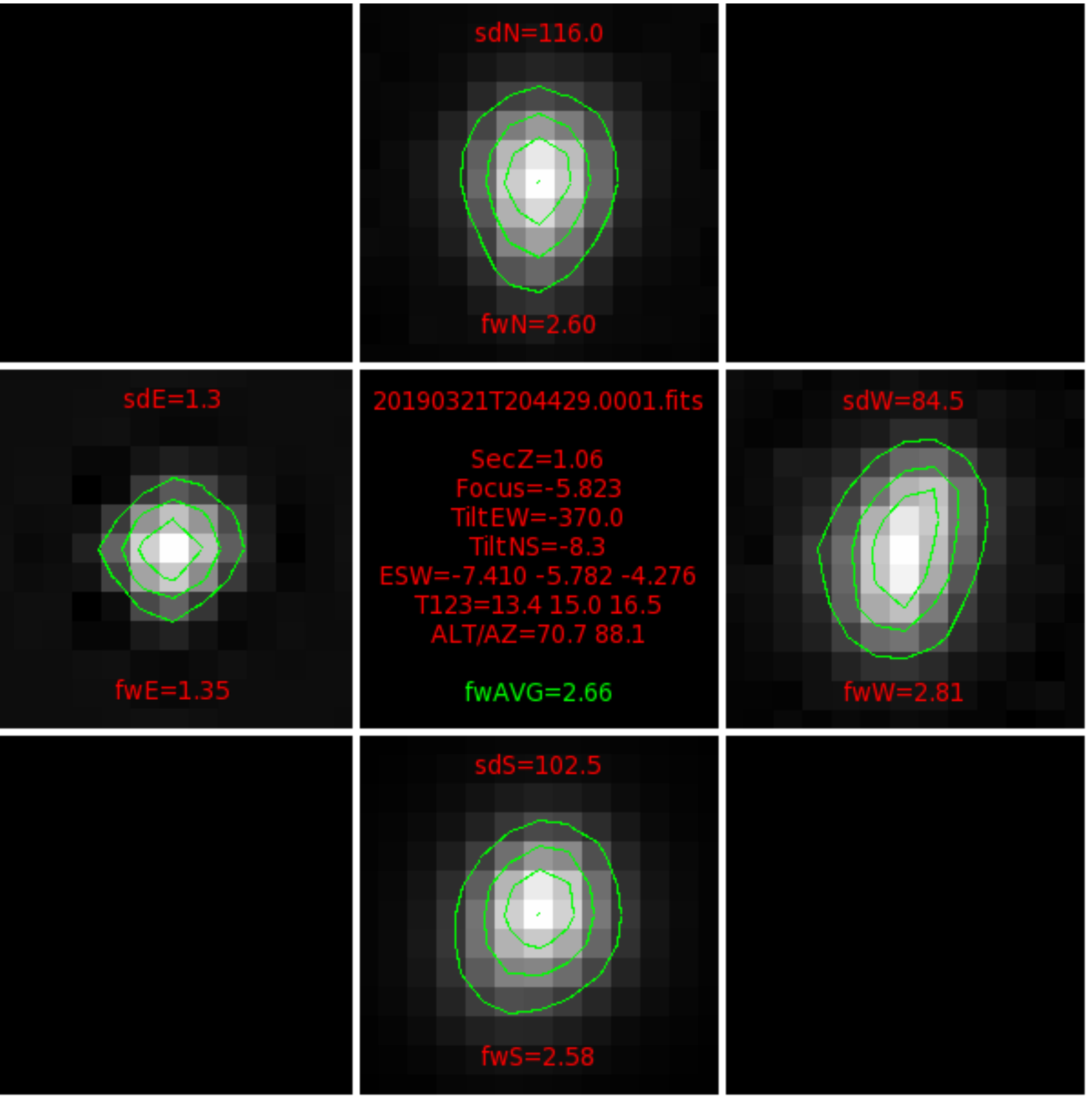
sdN=116.0
fwN=2.60
sdE=1.3
fwE=1.35
20190321T204429.0001.fits
SecZ=1.06
Focus=-5.823
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.410 -5.782 -4.276
T123=13.4 15.0 16.5
ALT/AZ=70.7 88.1
fwAVG=2.66
sdW=84.5
fwW=2.81
sdS=102.5
fwS=2.58
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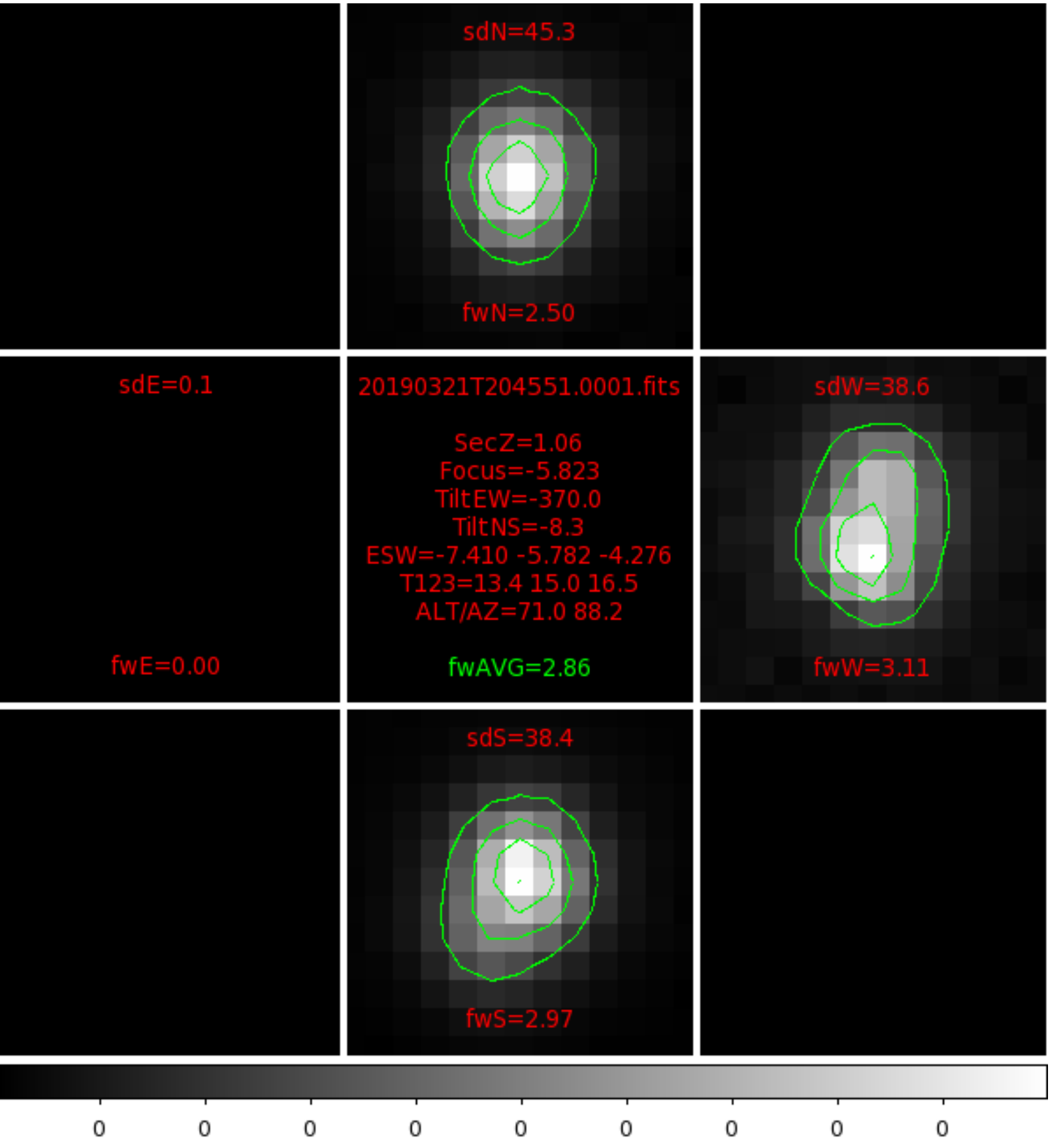
sdN=45.3
fwN=2.50
sdE=0.1
fwE=0.00
20190321T204551.0001.fits
SecZ=1.06
Focus=-5.823
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.410 -5.782 -4.276
T123=13.4 15.0 16.5
ALT/AZ=71.0 88.2
fwAVG=2.86
sdW=38.6
fwW=3.11
sdS=38.4
fwS=2.97
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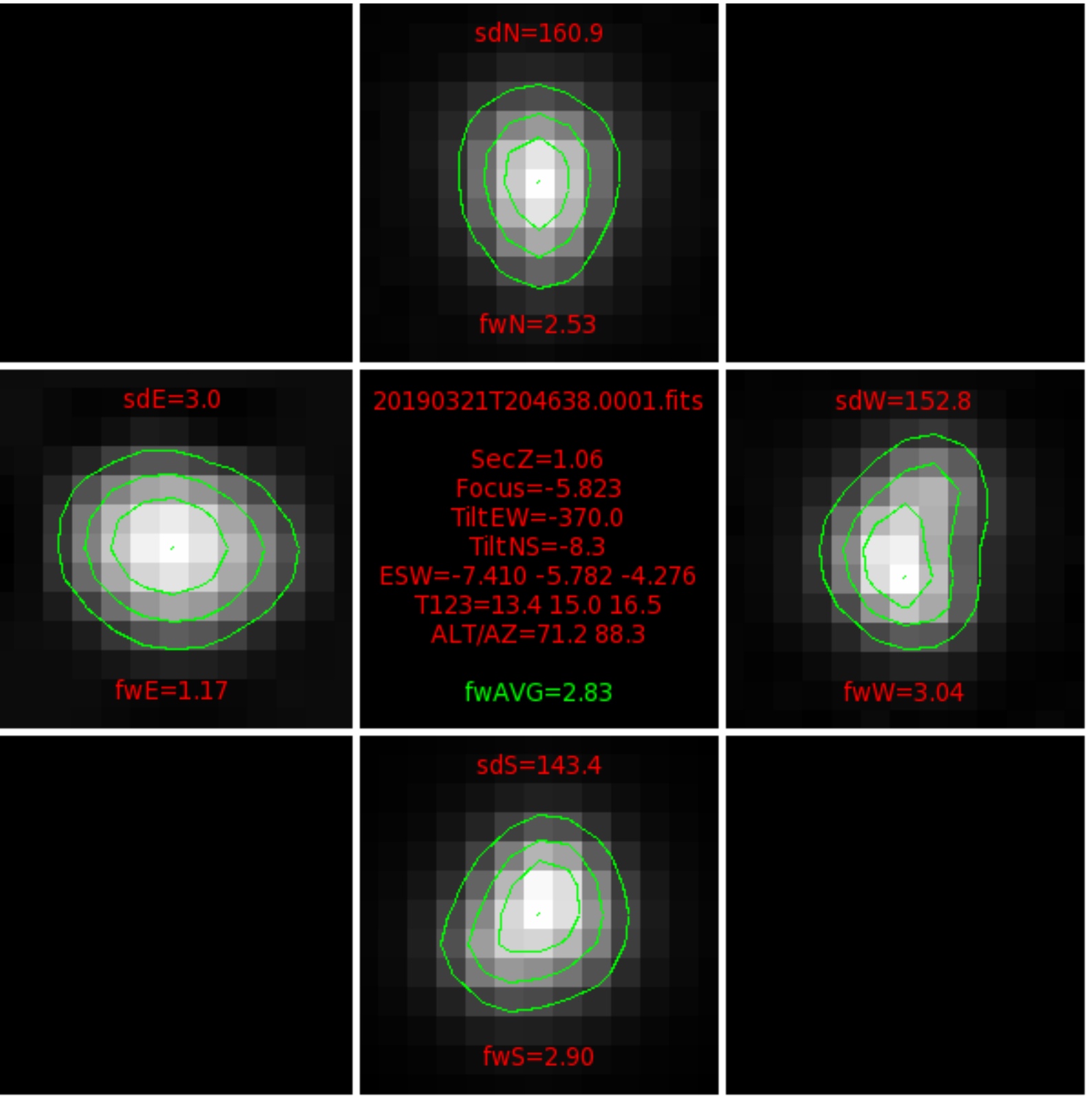
sdN=160.9
fwN=2.53
sdE=3.0
fwE=1.17
20190321T204638.0001.fits
SecZ=1.06
Focus=-5.823
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.410 -5.782 -4.276
T123=13.4 15.0 16.5
ALT/AZ=71.2 88.3
fwAVG=2.83
sdW=152.8
fwW=3.04
sdS=143.4
fwS=2.90
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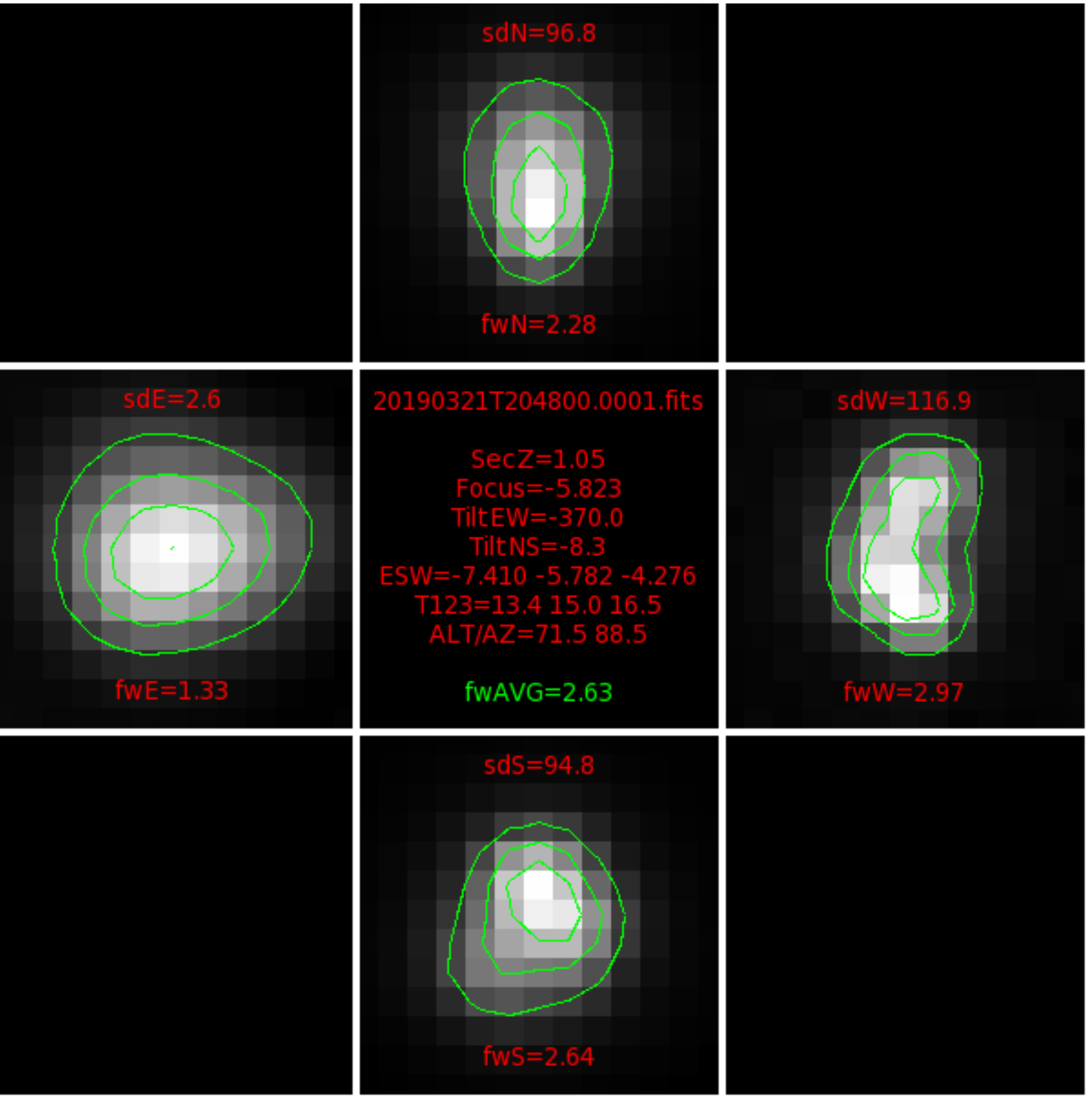
sdN=96.8
fwN=2.28
sdE=2.6
fwE=1.33
20190321T204800.0001.fits
SecZ=1.05
Focus=-5.823
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.410 -5.782 -4.276
T123=13.4 15.0 16.5
ALT/AZ=71.5 88.5
fwAVG=2.63
sdW=116.9
fwW=2.97
sdS=94.8
fwS=2.64
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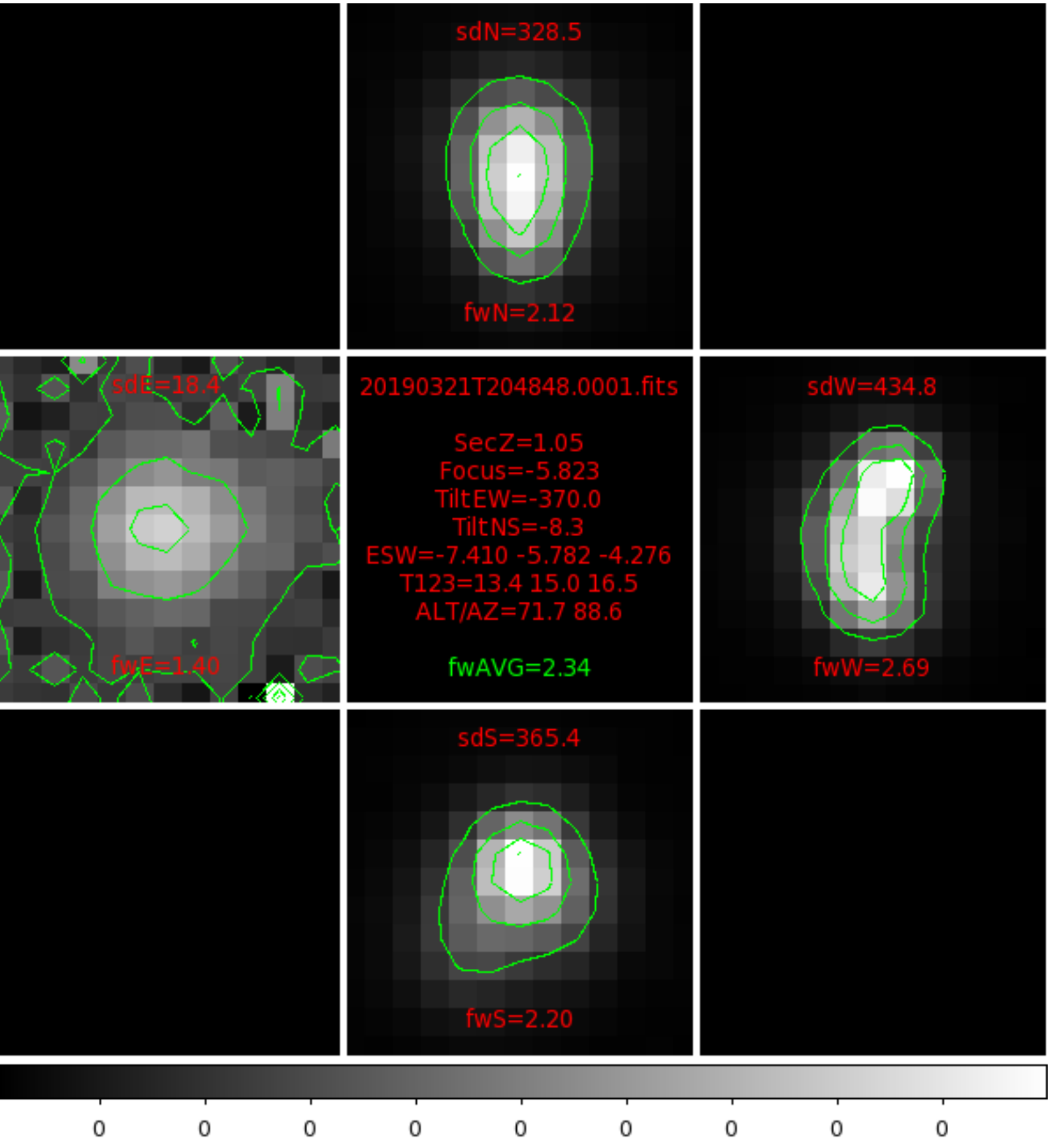
sdN=328.5
fwN=2.12
sdE=18.4
fwE=1.40
20190321T204848.0001.fits
SecZ=1.05
Focus=-5.823
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.410 -5.782 -4.276
T123=13.4 15.0 16.5
ALT/AZ=71.7 88.6
fwAVG=2.34
sdW=434.8
fwW=2.69
sdS=365.4
fwS=2.20
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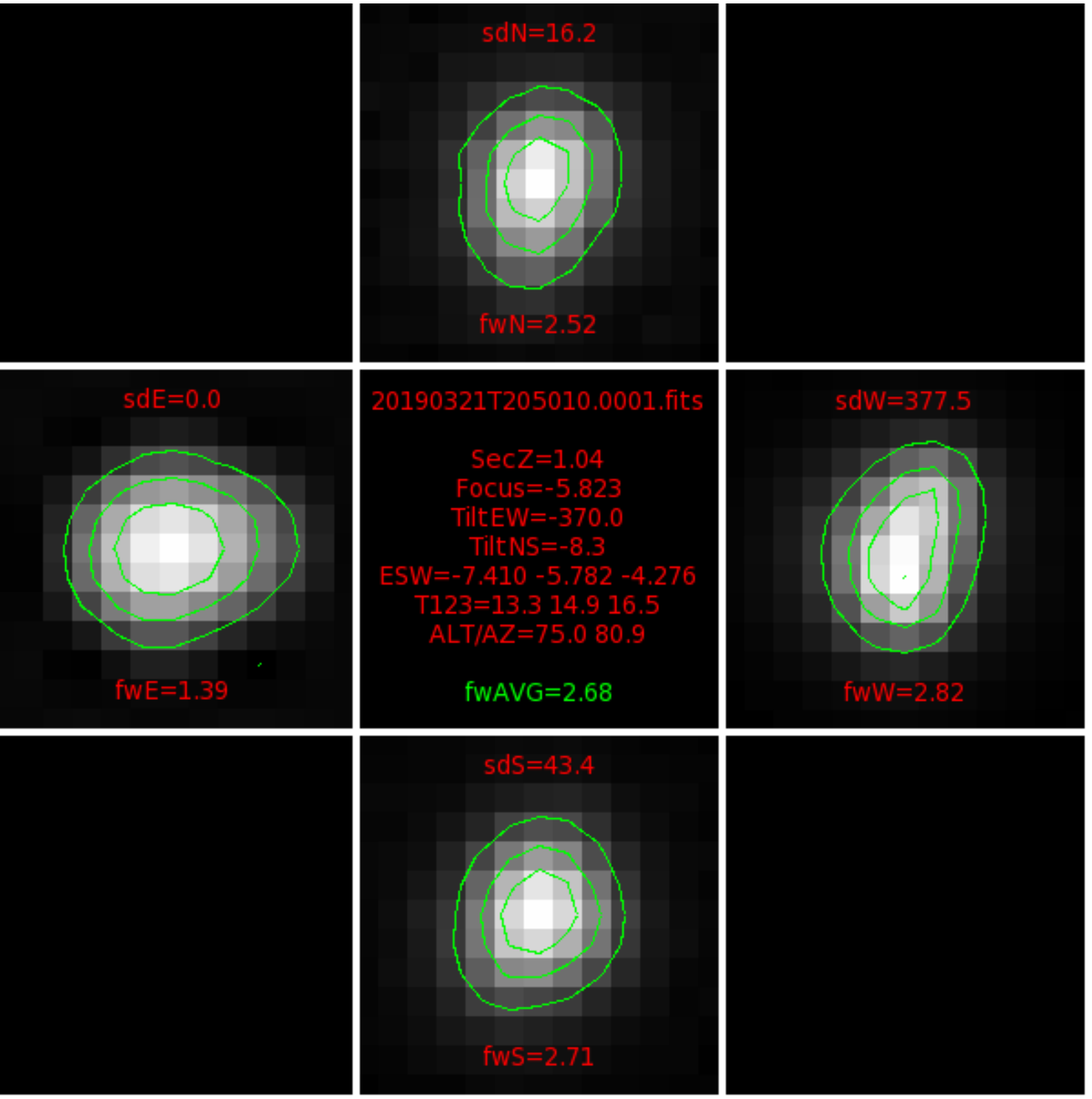
sdN=16.2
fwN=2.52
sdE=0.0
fwE=1.39
20190321T205010.0001.fits
SecZ=1.04
Focus=-5.823
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.410 -5.782 -4.276
T123=13.3 14.9 16.5
ALT/AZ=75.0 80.9
fwAVG=2.68
sdW=377.5
fwW=2.82
sdS=43.4
fwS=2.71
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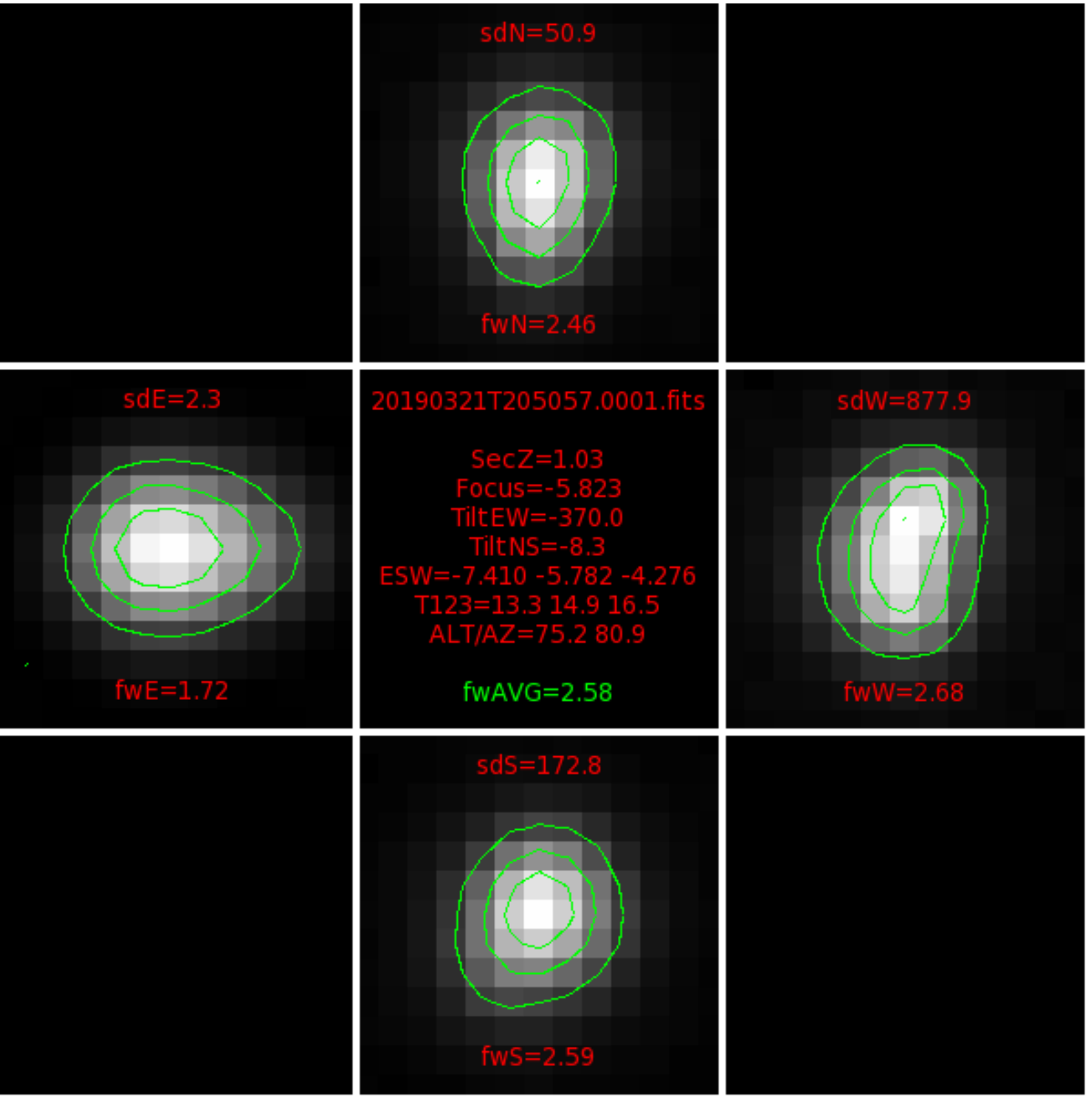
sdN=50.9
fwN=2.46
sdE=2.3
fwE=1.72
20190321T205057.0001.fits
SecZ=1.03
Focus=-5.823
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.410 -5.782 -4.276
T123=13.3 14.9 16.5
ALT/AZ=75.2 80.9
fwAVG=2.58
sdW=877.9
fwW=2.68
sdS=172.8
fwS=2.59
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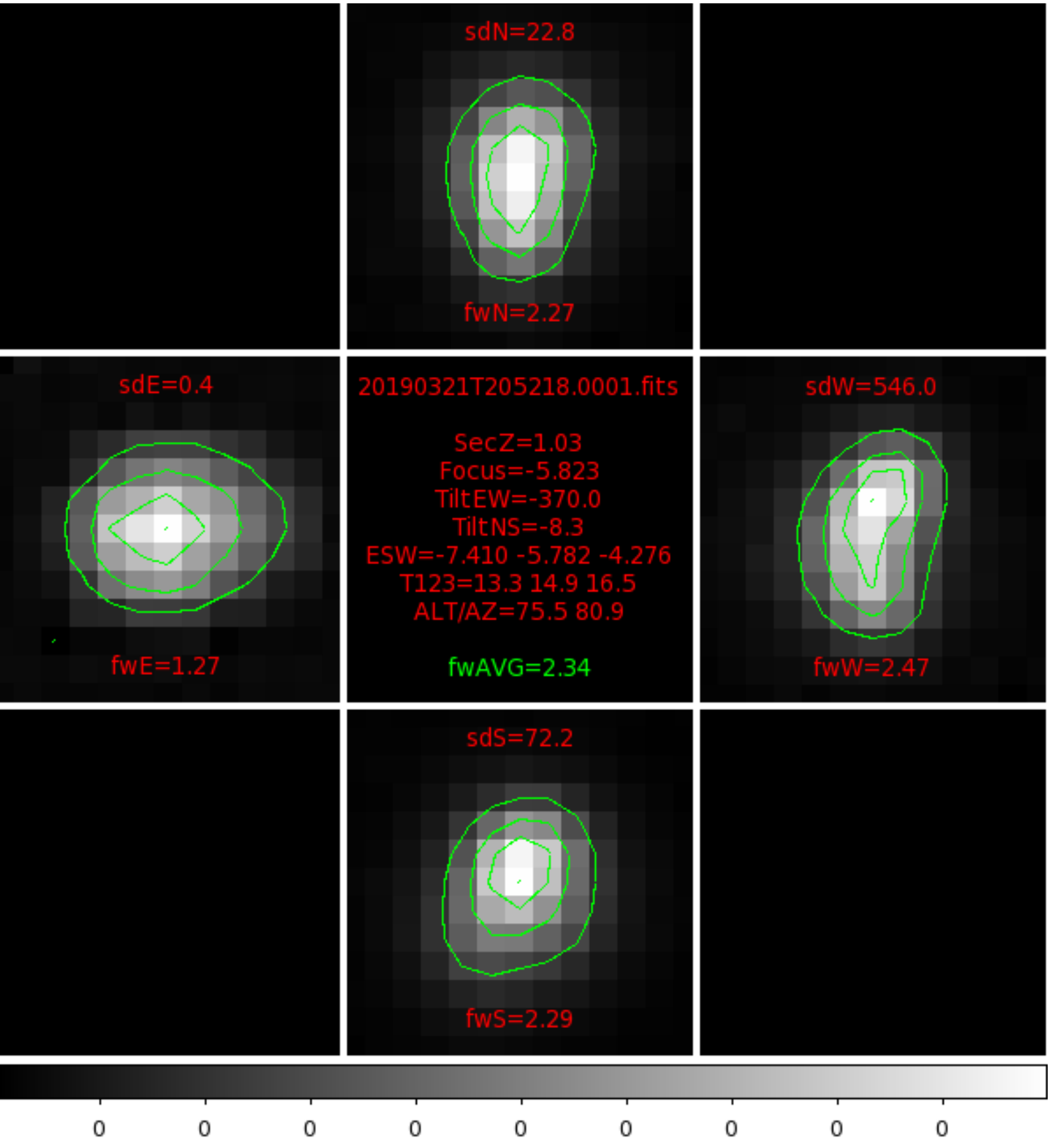
sdN=22.8
fwN=2.27
sdE=0.4
fwE=1.27
20190321T205218.0001.fits
SecZ=1.03
Focus=-5.823
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.410 -5.782 -4.276
T123=13.3 14.9 16.5
ALT/AZ=75.5 80.9
fwAVG=2.34
sdW=546.0
fwW=2.47
sdS=72.2
fwS=2.29
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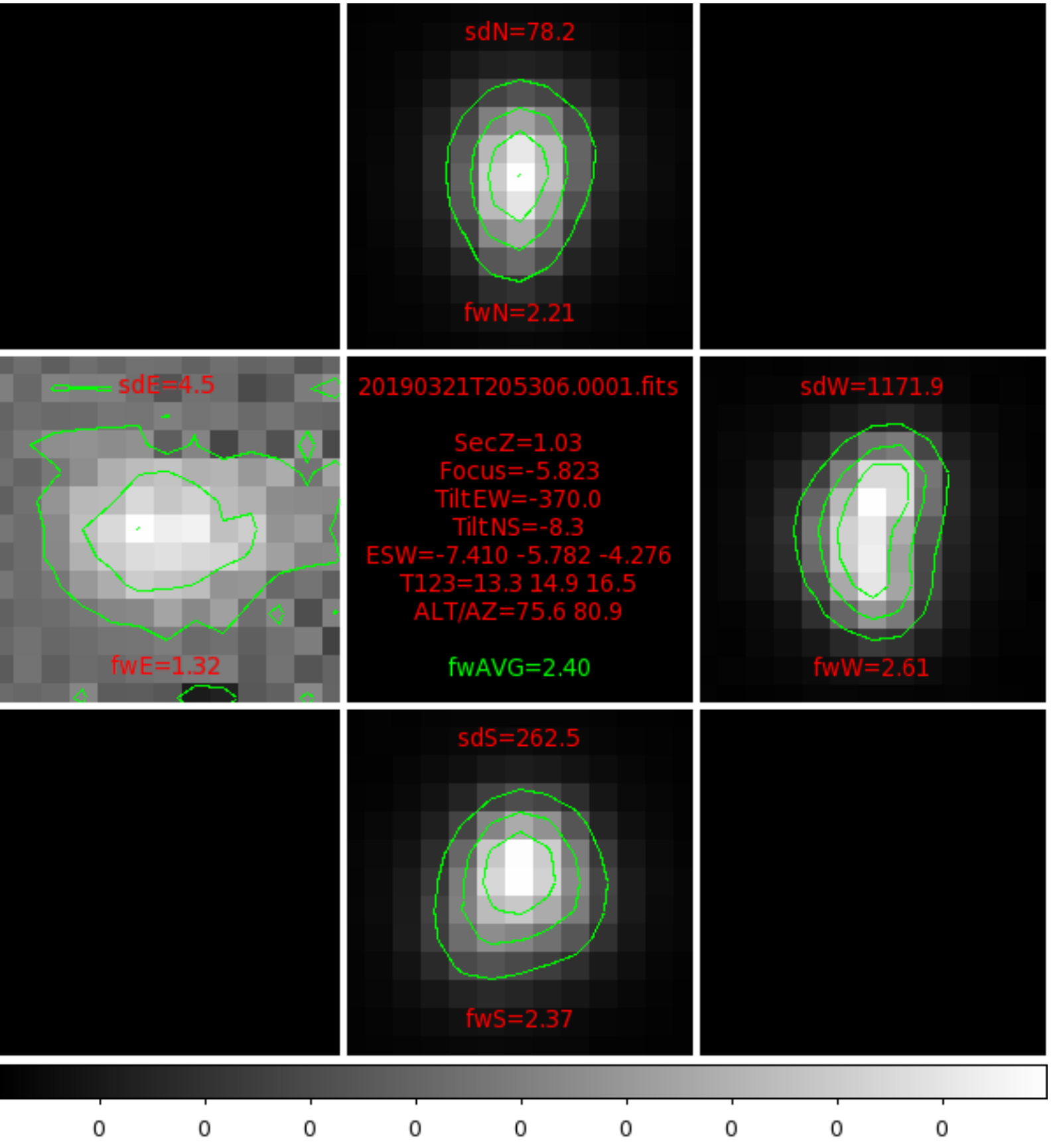
sdN=78.2
fwN=2.21
sdE=4.5
fwE=1.32
20190321T205306.0001.fits
SecZ=1.03
Focus=-5.823
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.410 -5.782 -4.276
T123=13.3 14.9 16.5
ALT/AZ=75.6 80.9
fwAVG=2.40
sdW=1171.9
fwW=2.61
sdS=262.5
fwS=2.37
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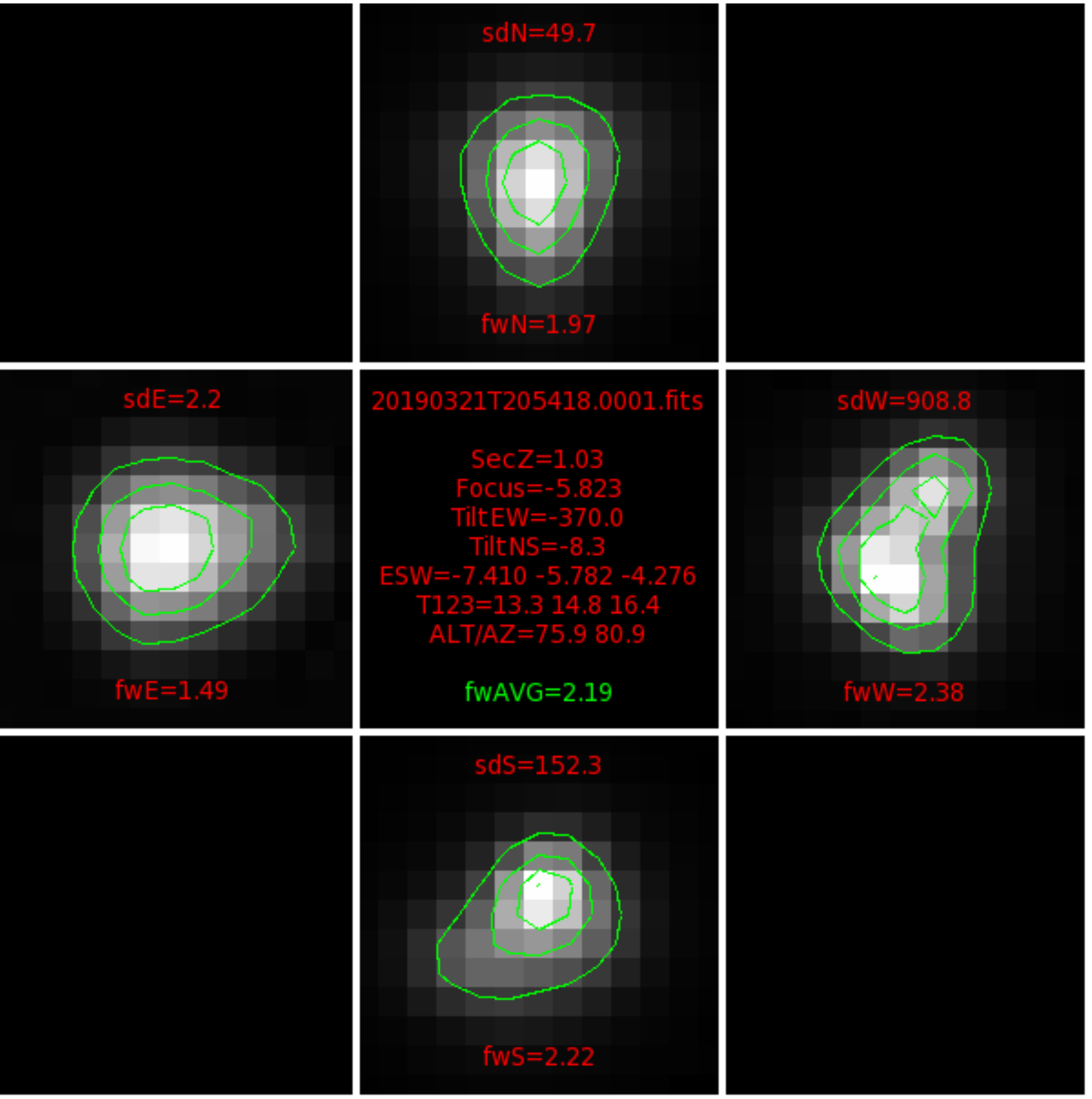
sdN=49.7
fwN=1.97
sdE=2.2
fwE=1.49
20190321T205418.0001.fits
SecZ=1.03
Focus=-5.823
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.410 -5.782 -4.276
T123=13.3 14.8 16.4
ALT/AZ=75.9 80.9
fwAVG=2.19
sdW=908.8
fwW=2.38
sdS=152.3
fwS=2.22
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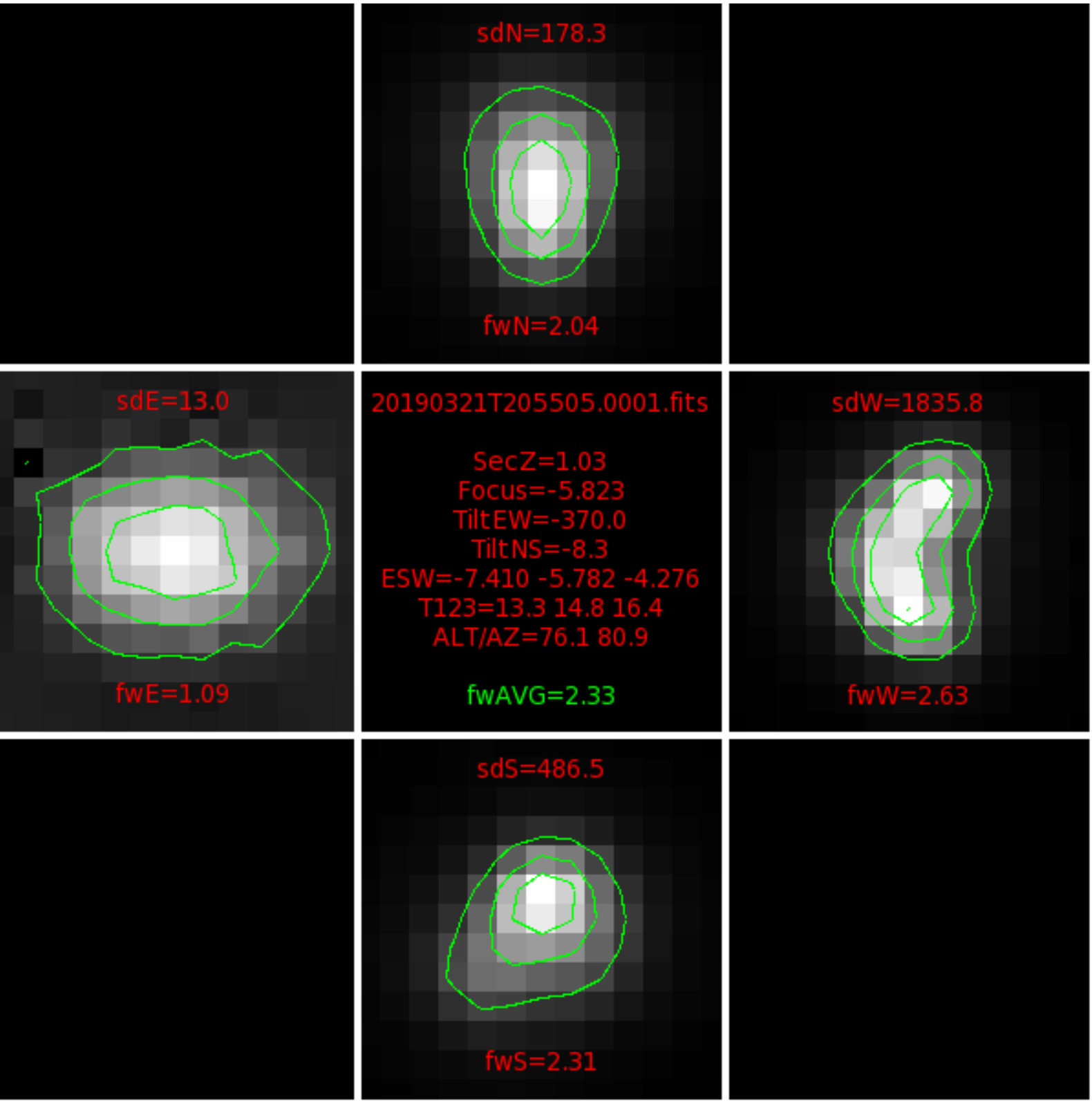
sdN=178.3
fwN=2.04
sdE=13.0
fwE=1.09
20190321T205505.0001.fits
SecZ=1.03
Focus=-5.823
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.410 -5.782 -4.276
T123=13.3 14.8 16.4
ALT/AZ=76.1 80.9
fwAVG=2.33
sdW=1835.8
fwW=2.63
sdS=486.5
fwS=2.31
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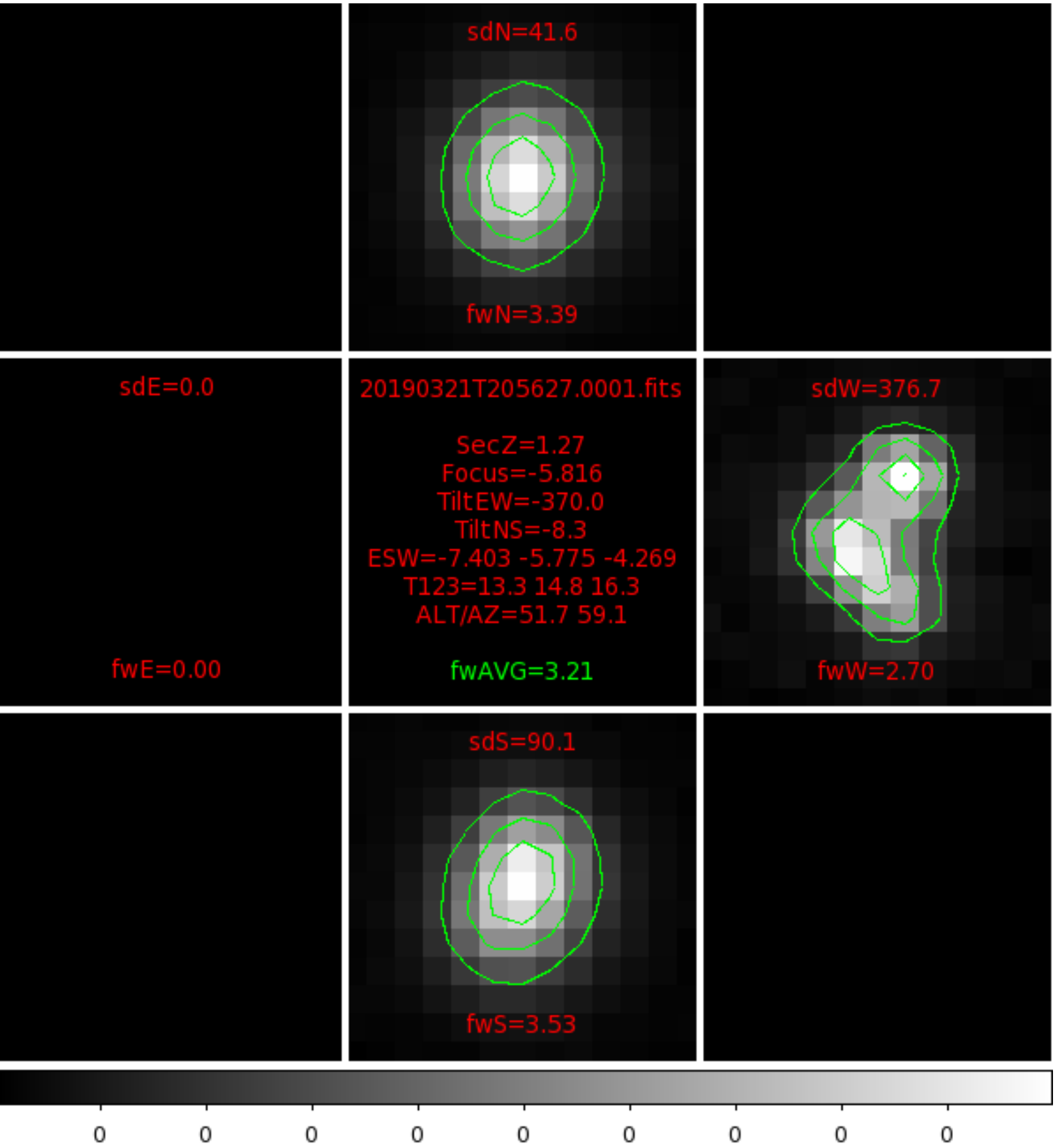
sdN=41.6
fwN=3.39
sdE=0.0
fwE=0.00
20190321T205627.0001.fits
SecZ=1.27
Focus=-5.816
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.403 -5.775 -4.269
T123=13.3 14.8 16.3
ALT/AZ=51.7 59.1
fwAVG=3.21
sdW=376.7
fwW=2.70
sdS=90.1
fwS=3.53
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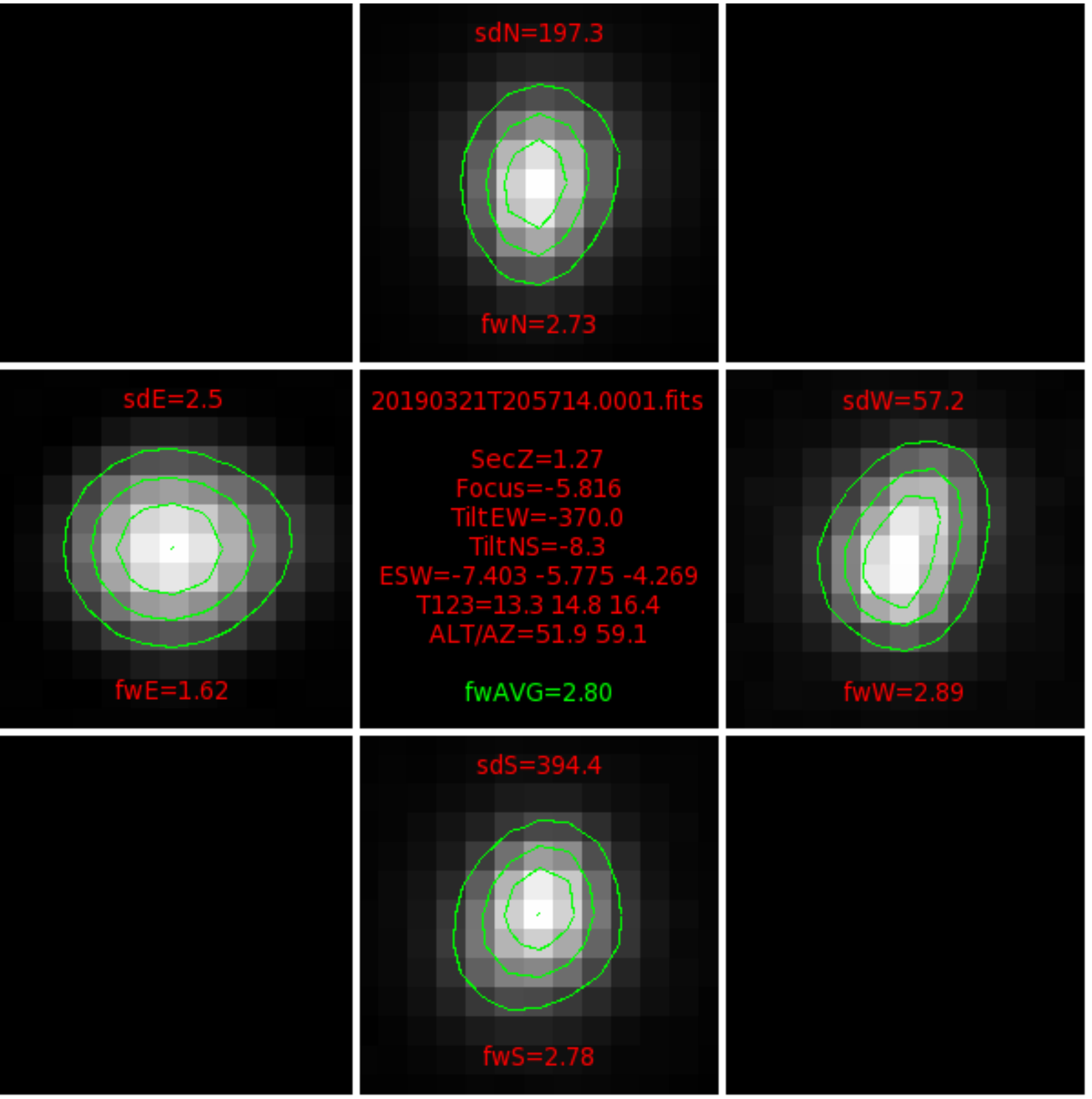
sdN=197.3
fwN=2.73
sdE=2.5
fwE=1.62
20190321T205714.0001.fits
SecZ=1.27
Focus=-5.816
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.403 -5.775 -4.269
T123=13.3 14.8 16.4
ALT/AZ=51.9 59.1
fwAVG=2.80
sdW=57.2
fwW=2.89
sdS=394.4
fwS=2.78
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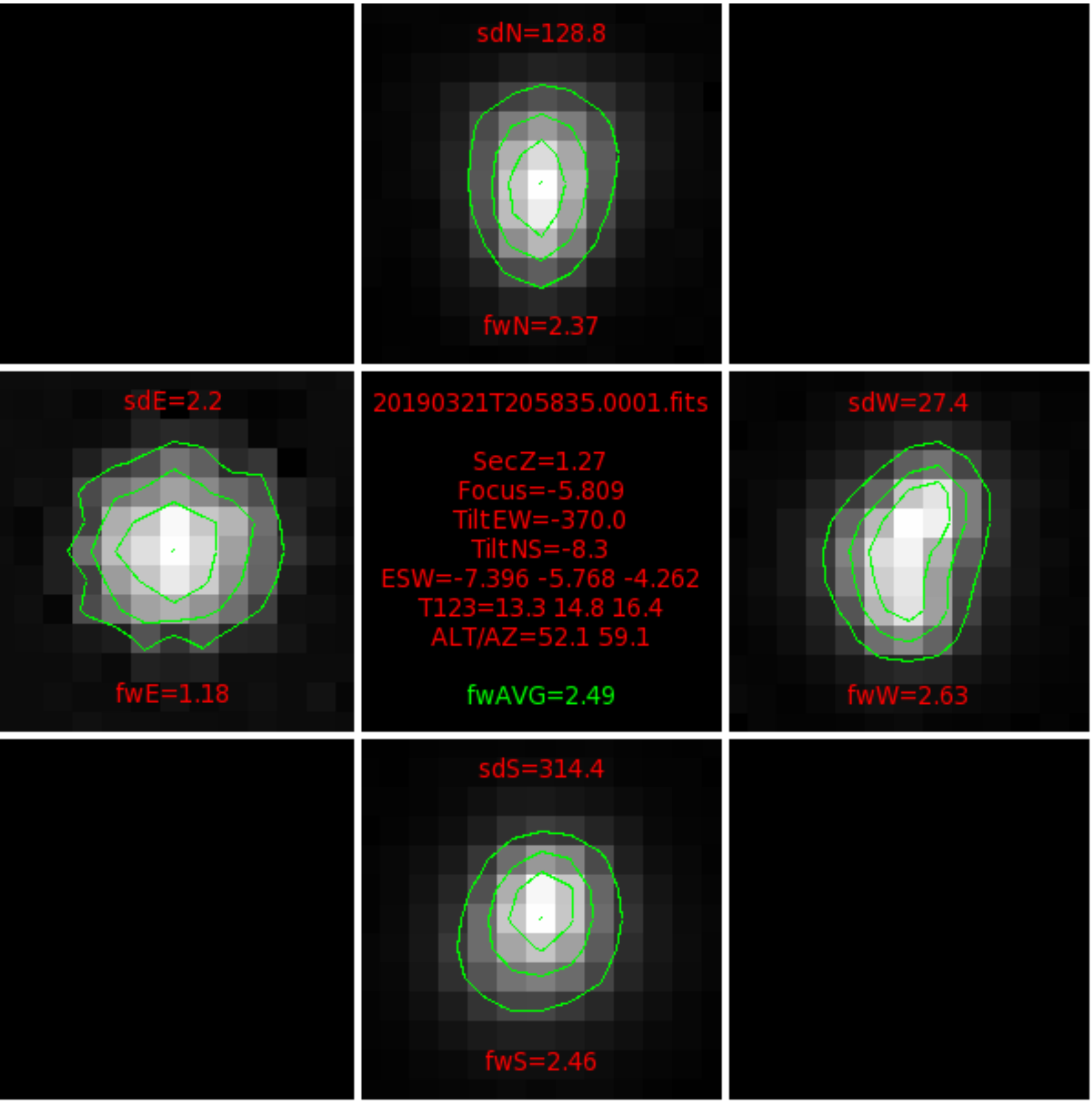
sdN=128.8
fwN=2.37
sdE=2.2
fwE=1.18
20190321T205835.0001.fits
SecZ=1.27
Focus=-5.809
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.396 -5.768 -4.262
T123=13.3 14.8 16.4
ALT/AZ=52.1 59.1
fwAVG=2.49
sdW=27.4
fwW=2.63
sdS=314.4
fwS=2.46
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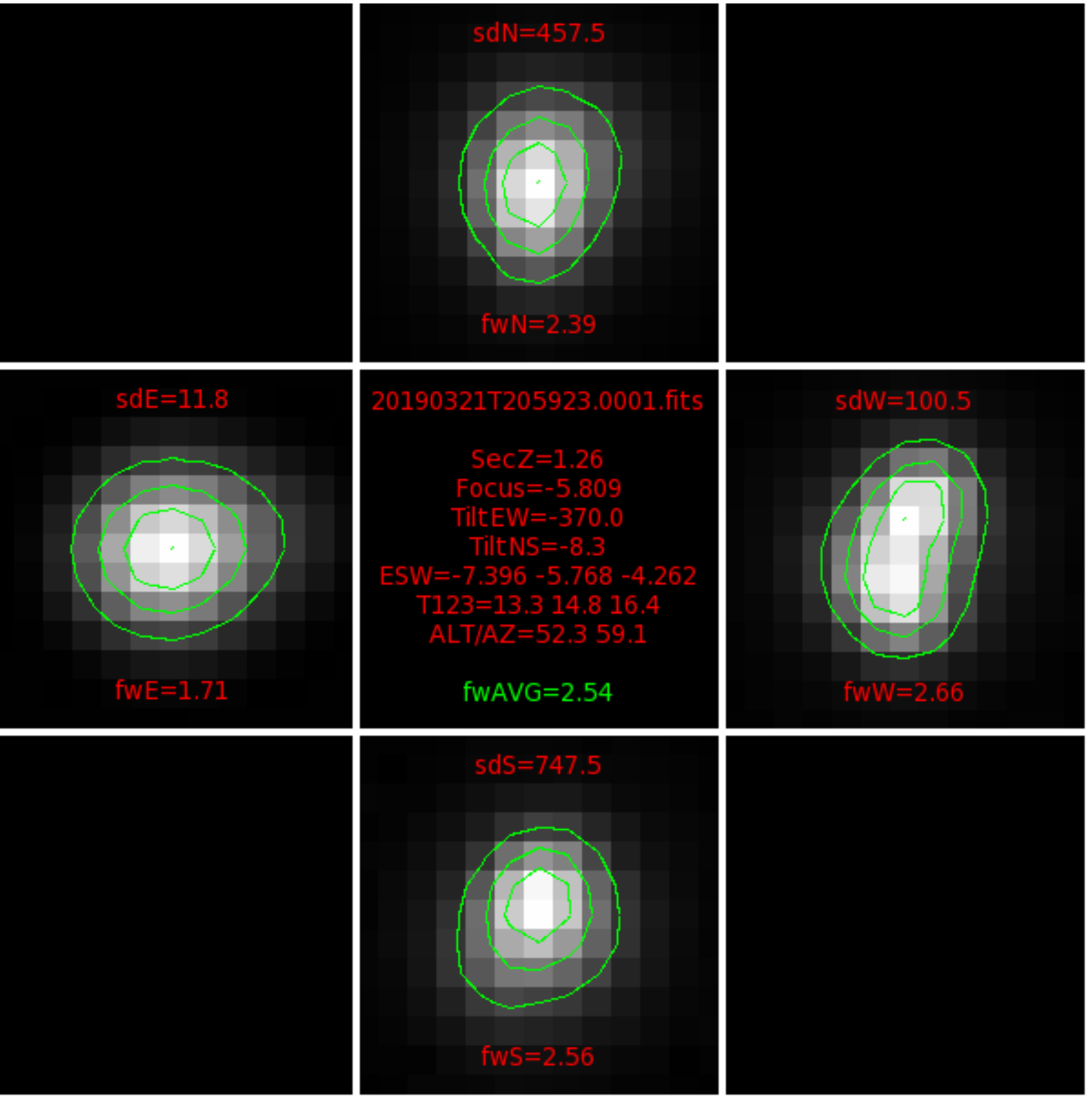
sdN=457.5
fwN=2.39
sdE=11.8
fwE=1.71
20190321T205923.0001.fits
SecZ=1.26
Focus=-5.809
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.396 -5.768 -4.262
T123=13.3 14.8 16.4
ALT/AZ=52.3 59.1
fwAVG=2.54
sdW=100.5
fwW=2.66
sdS=747.5
fwS=2.56
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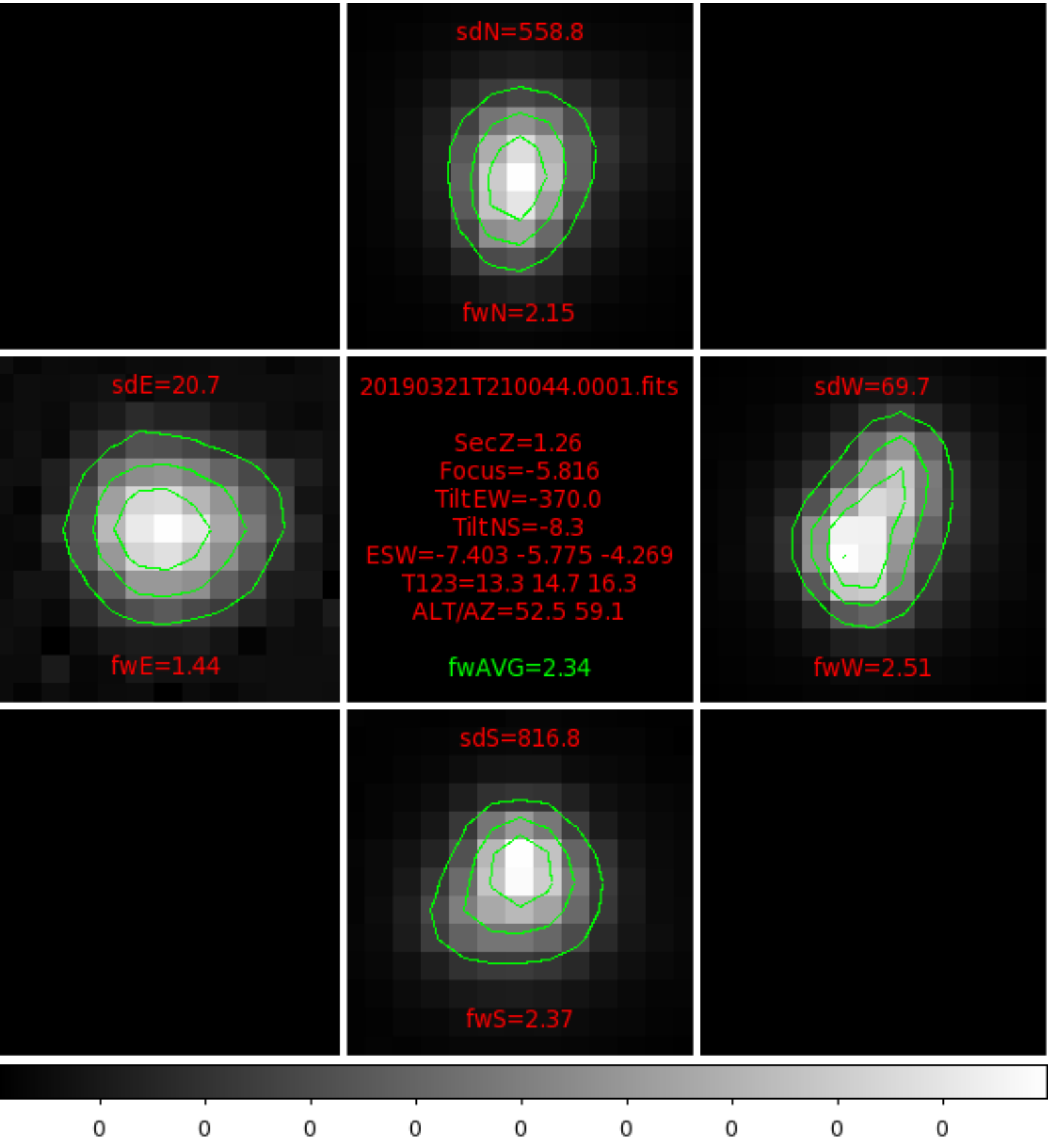
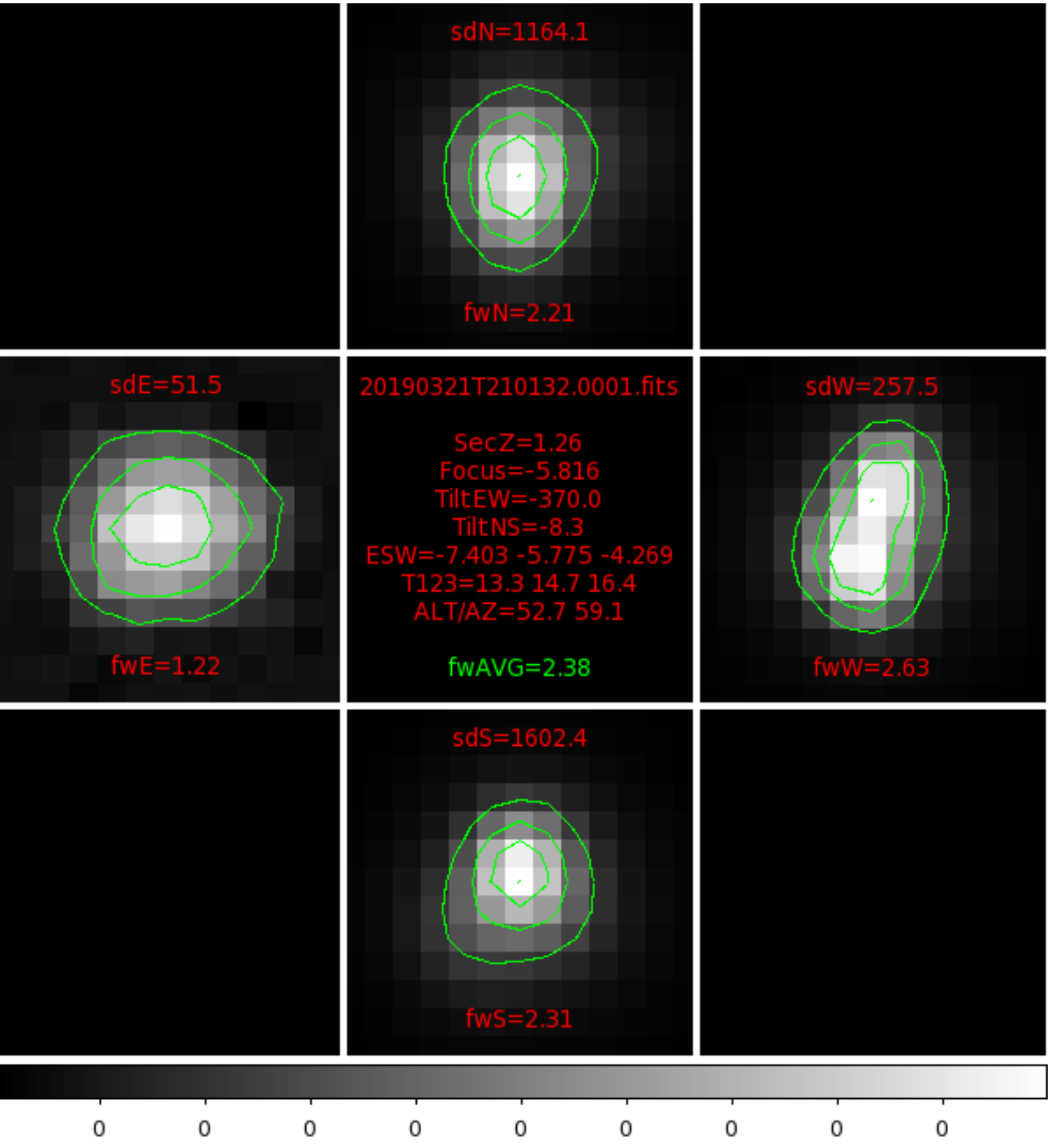

sdN=558.8
fwN=2.15
sdE=20.7
fwE=1.44
20190321T210044.0001.fits
SecZ=1.26
Focus=-5.816
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.403 -5.775 -4.269
T123=13.3 14.7 16.3
ALT/AZ=52.5 59.1
fwAVG=2.34
sdW=69.7
fwW=2.51
sdS=816.8
fwS=2.37
0 0 0 0 0 0 0 0 0


sdN=1164.1
fwN=2.21
sdE=51.5
fwE=1.22
20190321T210132.0001.fits
SecZ=1.26
Focus=-5.816
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.403 -5.775 -4.269
T123=13.3 14.7 16.4
ALT/AZ=52.7 59.1
fwAVG=2.38
sdW=257.5
fwW=2.63
sdS=1602.4
fwS=2.31
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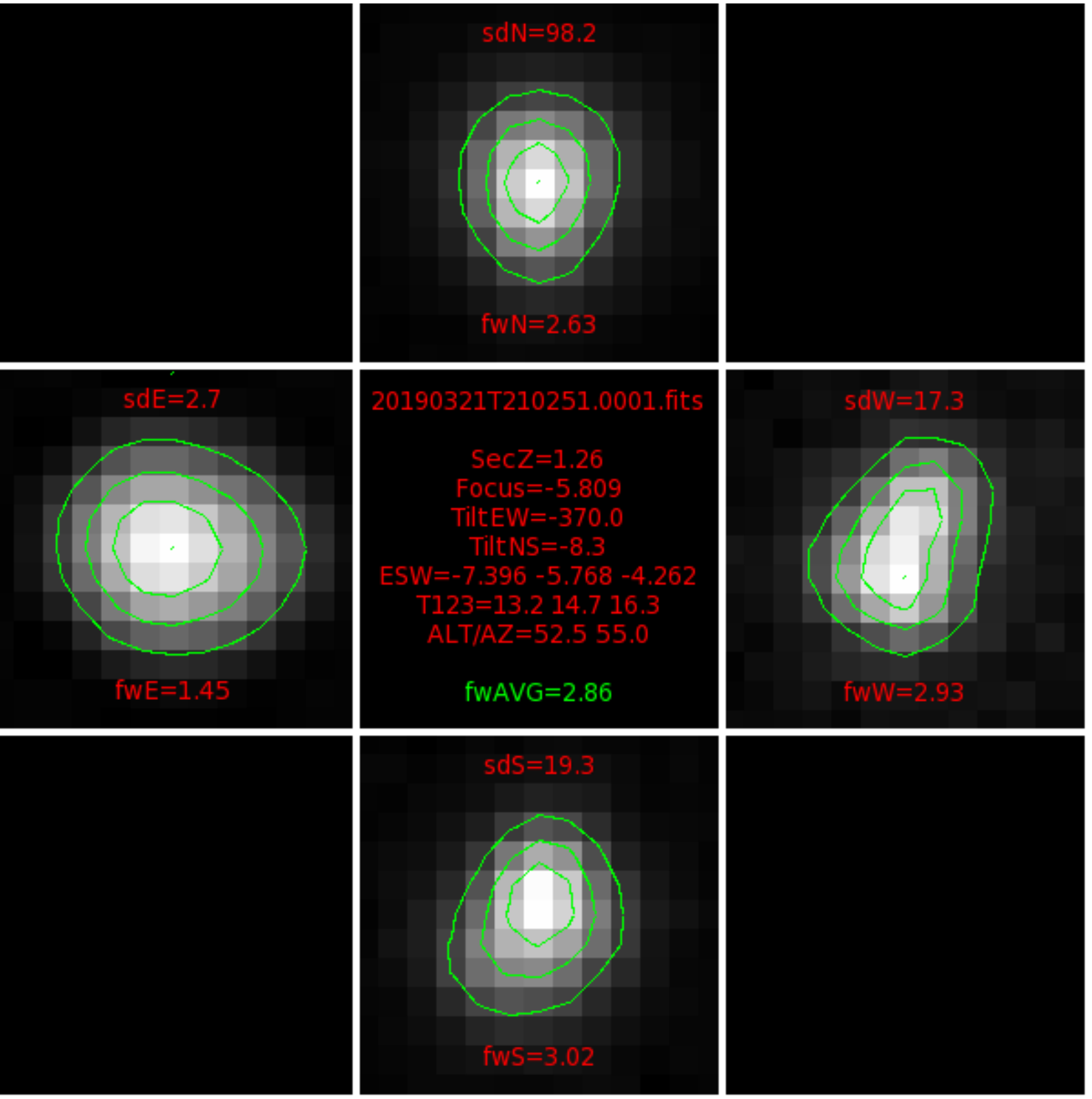
sdN=98.2
fwN=2.63
sdE=2.7
fwE=1.45
20190321T210251.0001.fits
SecZ=1.26
Focus=-5.809
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.396 -5.768 -4.262
T123=13.2 14.7 16.3
ALT/AZ=52.5 55.0
fwAVG=2.86
sdW=17.3
fwW=2.93
sdS=19.3
fwS=3.02
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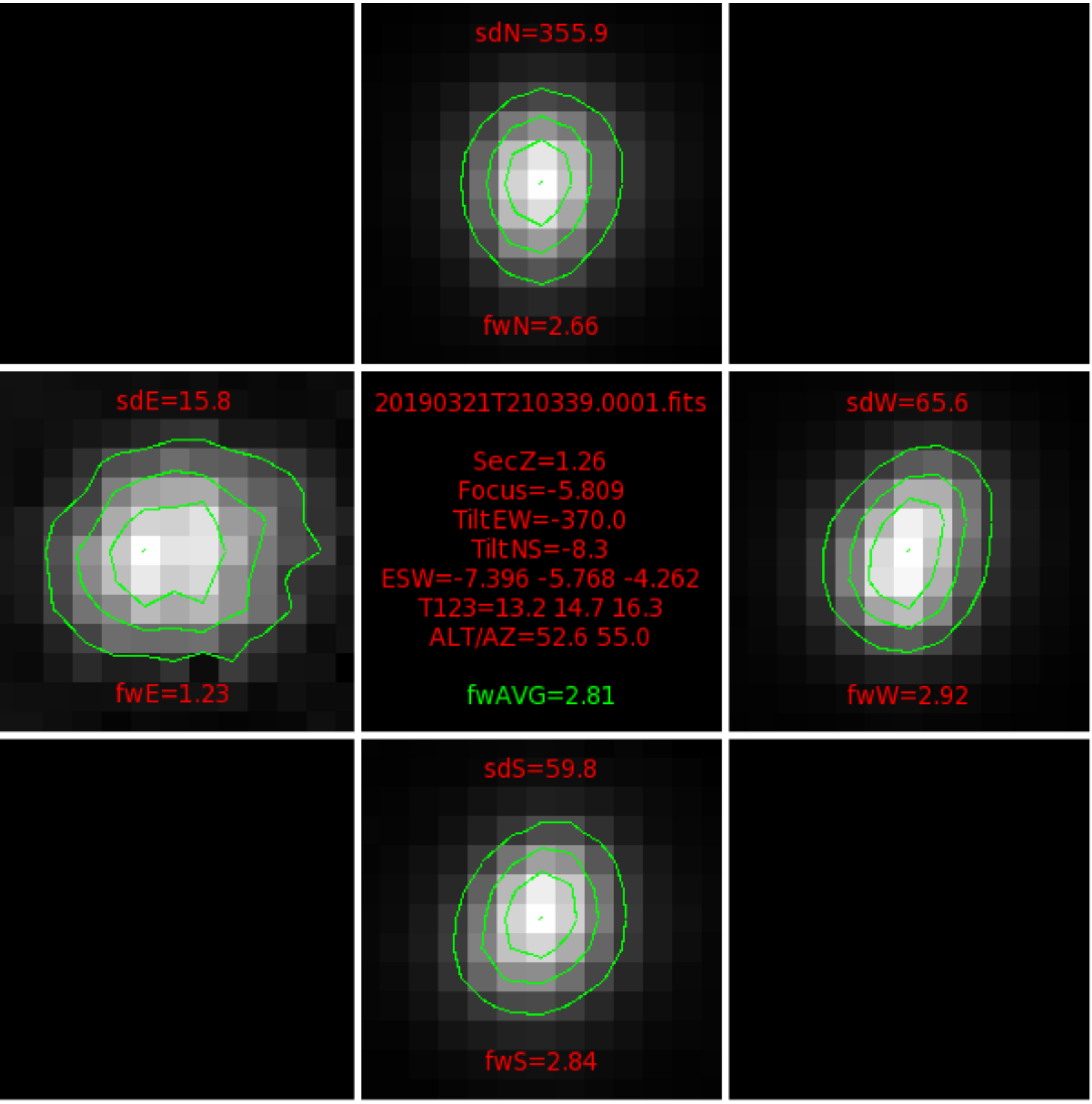
sdN=355.9
fwN=2.66
sdE=15.8
fwE=1.23
20190321T210339.0001.fits
SecZ=1.26
Focus=-5.809
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.396 -5.768 -4.262
T123=13.2 14.7 16.3
ALT/AZ=52.6 55.0
fwAVG=2.81
sdW=65.6
fwW=2.92
sdS=59.8
fwS=2.84
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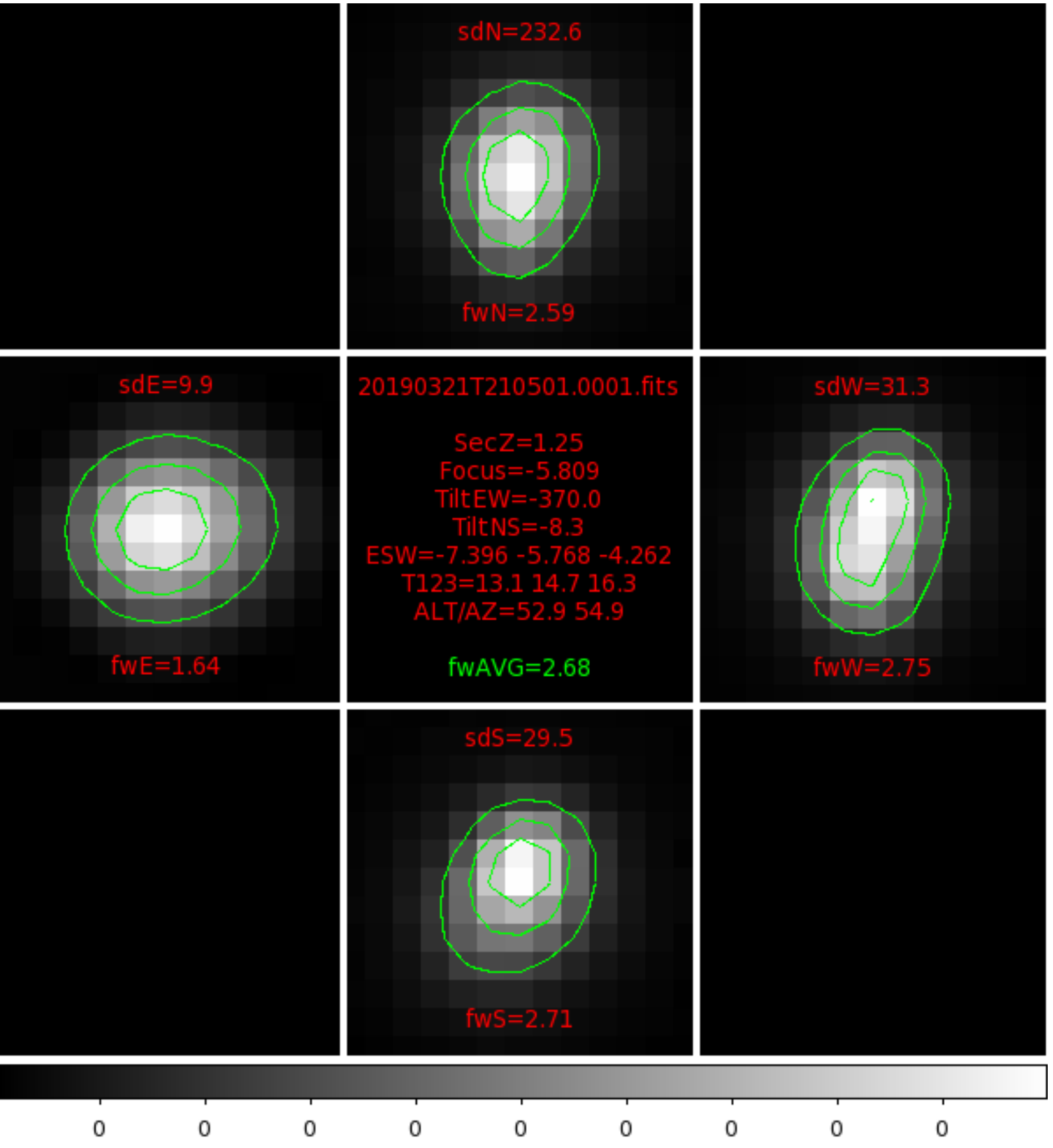
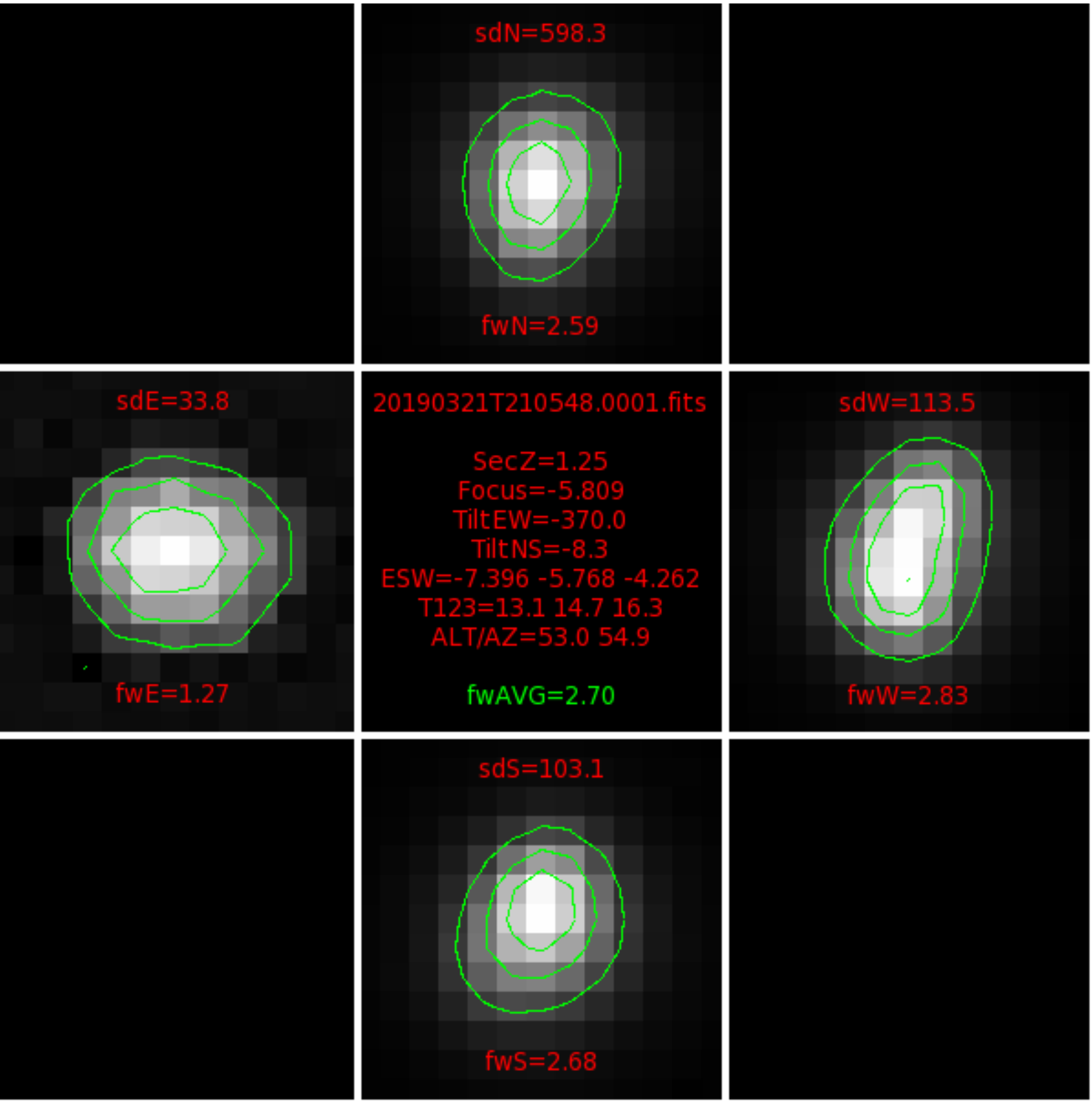

sdN=232.6
fwN=2.59
sdE=9.9
fwE=1.64
20190321T210501.0001.fits
SecZ=1.25
Focus=-5.809
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.396 -5.768 -4.262
T123=13.1 14.7 16.3
ALT/AZ=52.9 54.9
fwAVG=2.68
sdW=31.3
fwW=2.75
sdS=29.5
fwS=2.71
0 0 0 0 0 0 0 0 0


sdN=598.3
fwN=2.59
sdE=33.8
fwE=1.27
20190321T210548.0001.fits
SecZ=1.25
Focus=-5.809
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.396 -5.768 -4.262
T123=13.1 14.7 16.3
ALT/AZ=53.0 54.9
fwAVG=2.70
sdW=113.5
fwW=2.83
sdS=103.1
fwS=2.68
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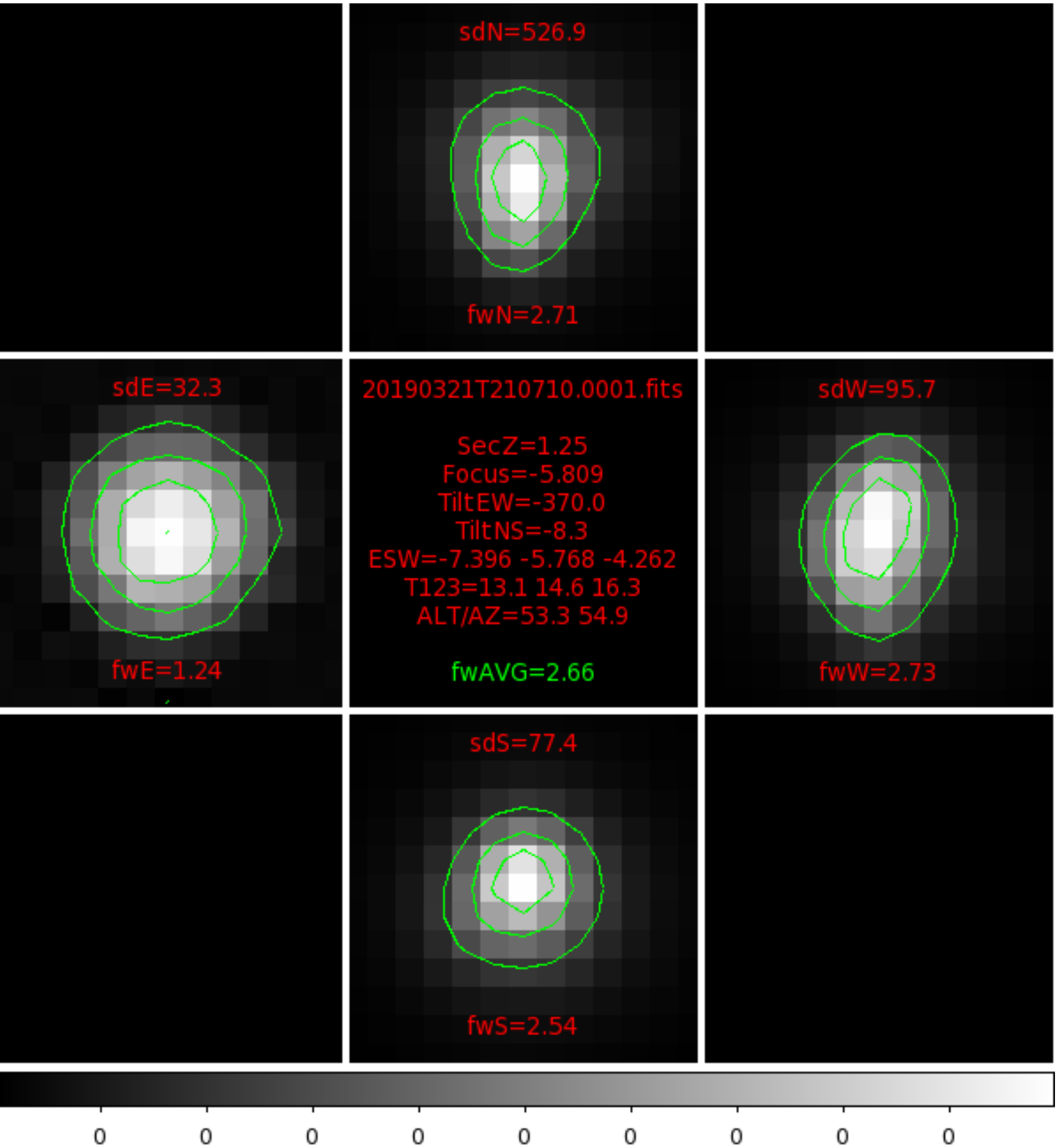
sdN=526.9
fwN=2.71
sdE=32.3
fwE=1.24
20190321T210710.0001.fits
SecZ=1.25
Focus=-5.809
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.396 -5.768 -4.262
T123=13.1 14.6 16.3
ALT/AZ=53.3 54.9
fwAVG=2.66
sdW=95.7
fwW=2.73
sdS=77.4
fwS=2.54
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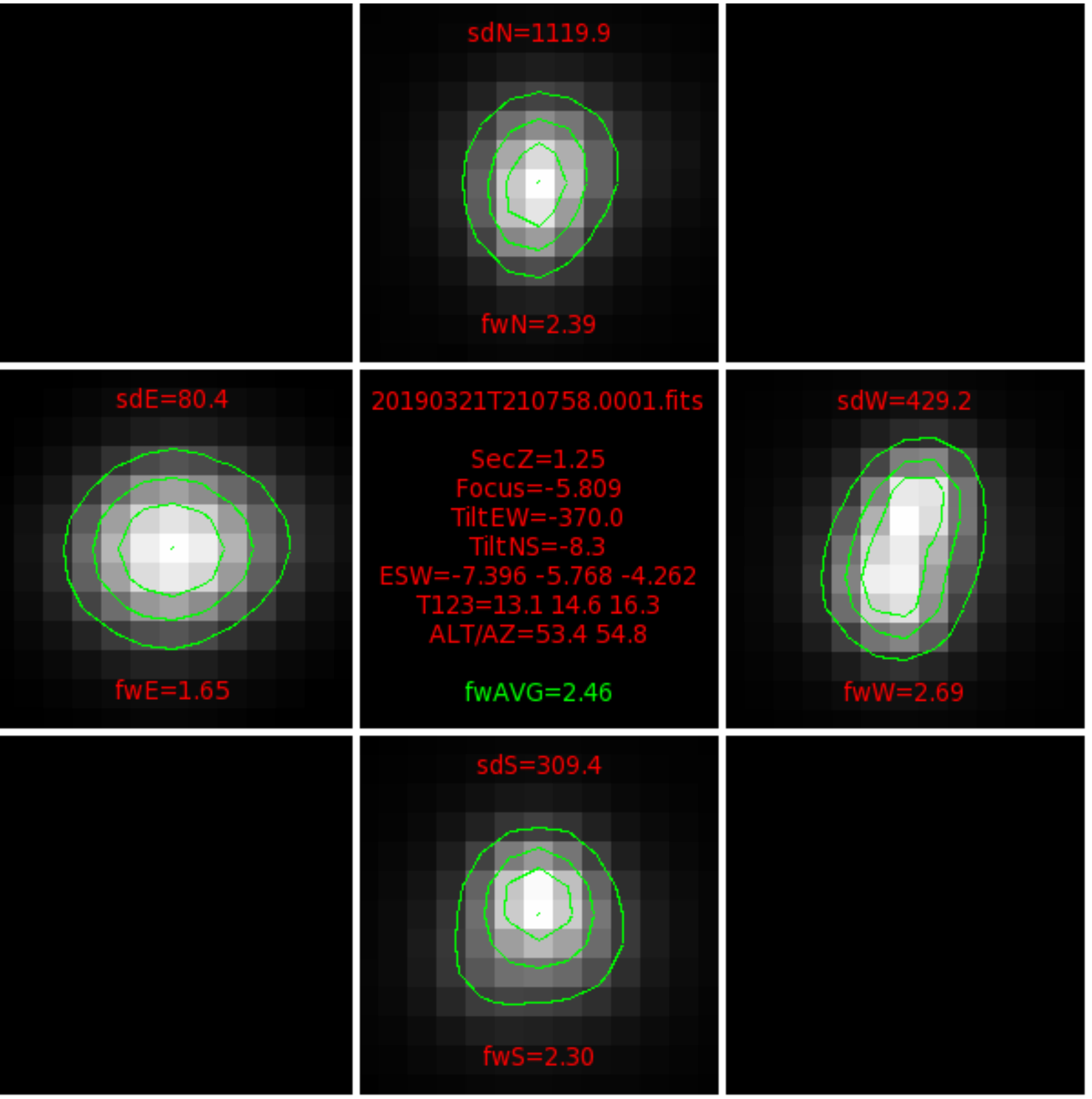
sdN=1119.9
fwN=2.39
sdE=80.4
fwE=1.65
20190321T210758.0001.fits
SecZ=1.25
Focus=-5.809
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.396 -5.768 -4.262
T123=13.1 14.6 16.3
ALT/AZ=53.4 54.8
fwAVG=2.46
sdW=429.2
fwW=2.69
sdS=309.4
fwS=2.30
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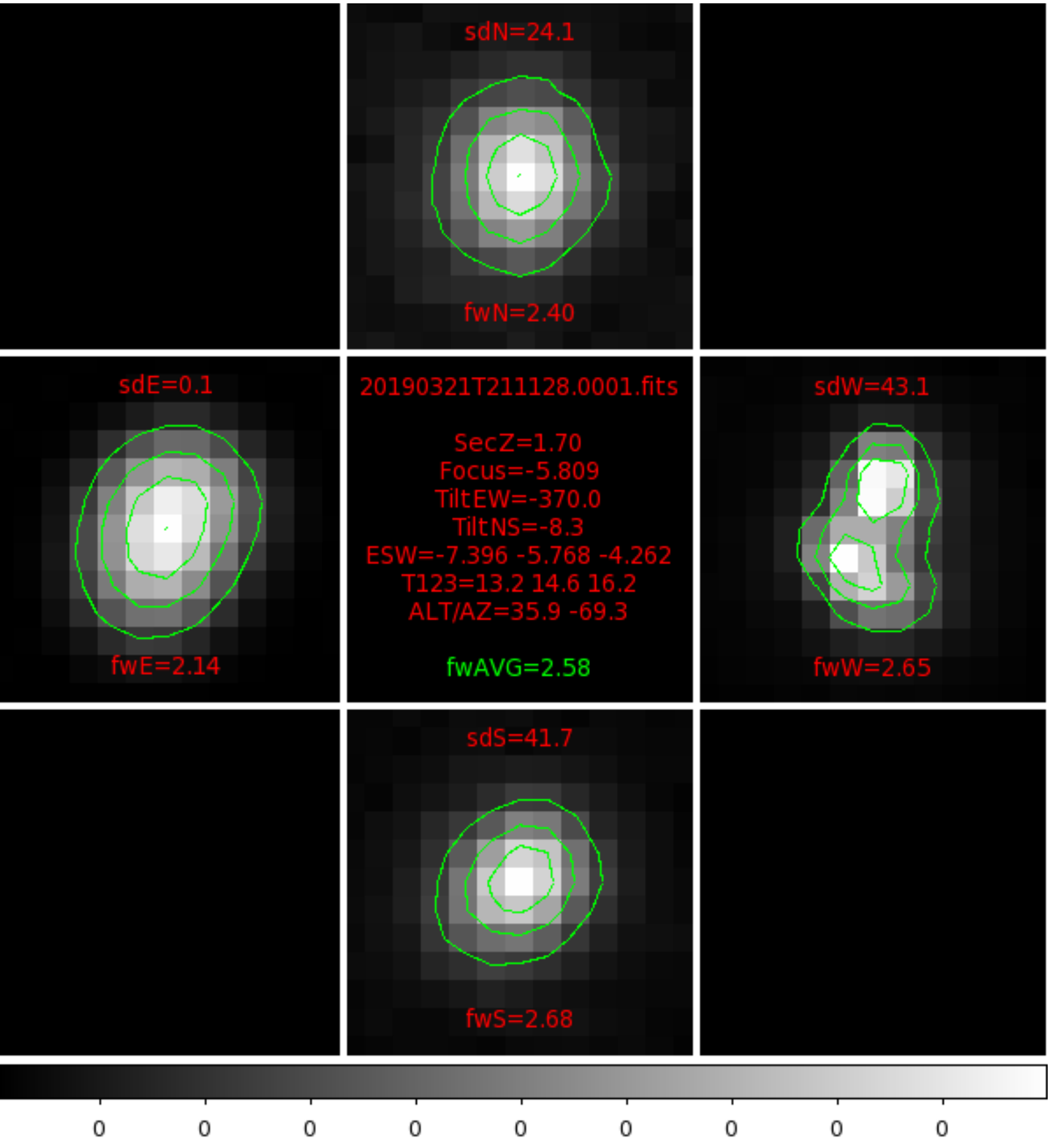
sdN=24.1
fwN=2.40
sdE=0.1
fwE=2.14
20190321T211128.0001.fits
SecZ=1.70
Focus=-5.809
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.396 -5.768 -4.262
T123=13.2 14.6 16.2
ALT/AZ=35.9 -69.3
fwAVG=2.58
sdW=43.1
fwW=2.65
sdS=41.7
fwS=2.68
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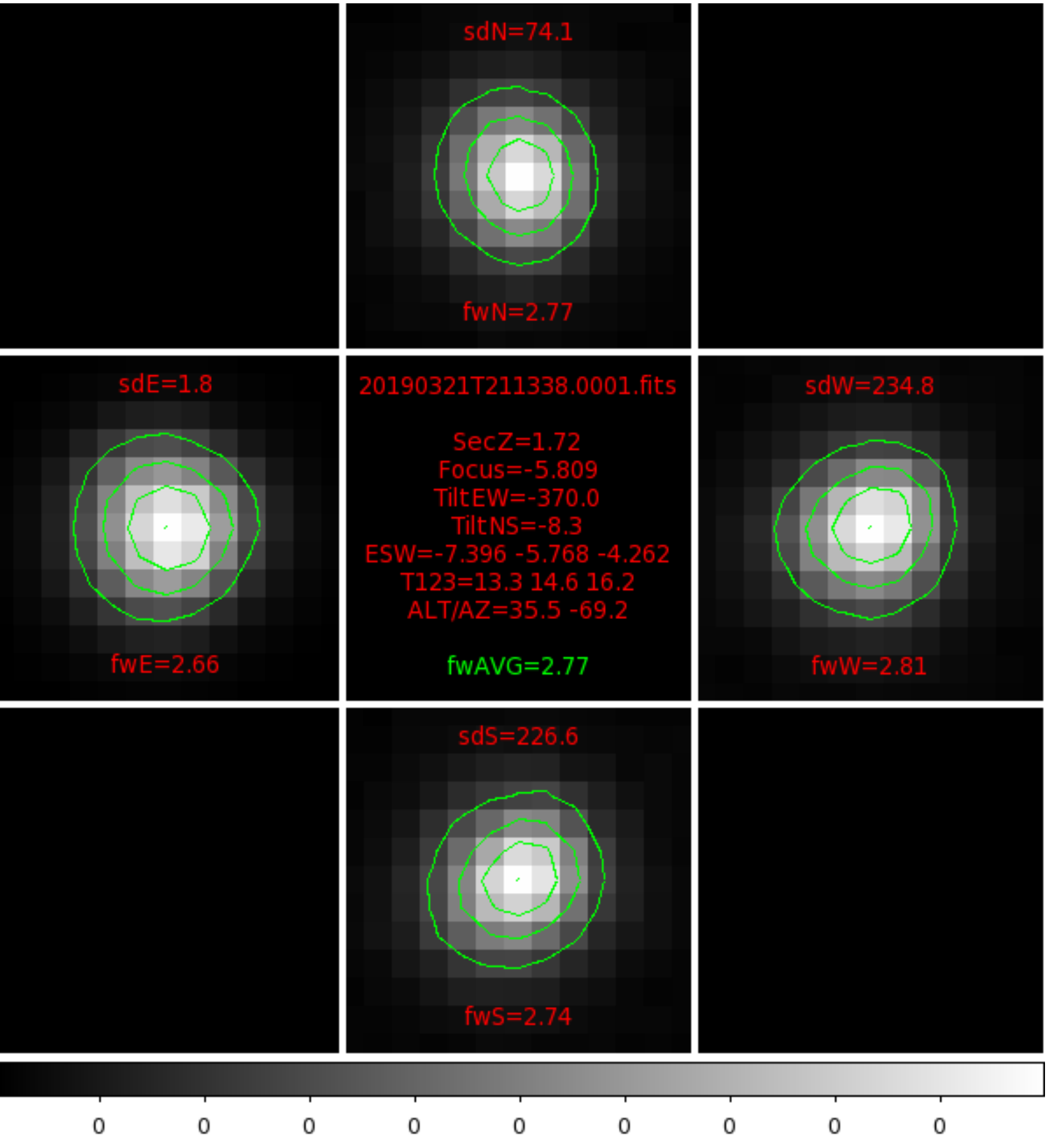
sdN=74.1
fwN=2.77
sdE=1.8
fwE=2.66
20190321T211338.0001.fits
SecZ=1.72
Focus=-5.809
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.396 -5.768 -4.262
T123=13.3 14.6 16.2
ALT/AZ=35.5 -69.2
fwAVG=2.77
sdW=234.8
fwW=2.81
sdS=226.6
fwS=2.74
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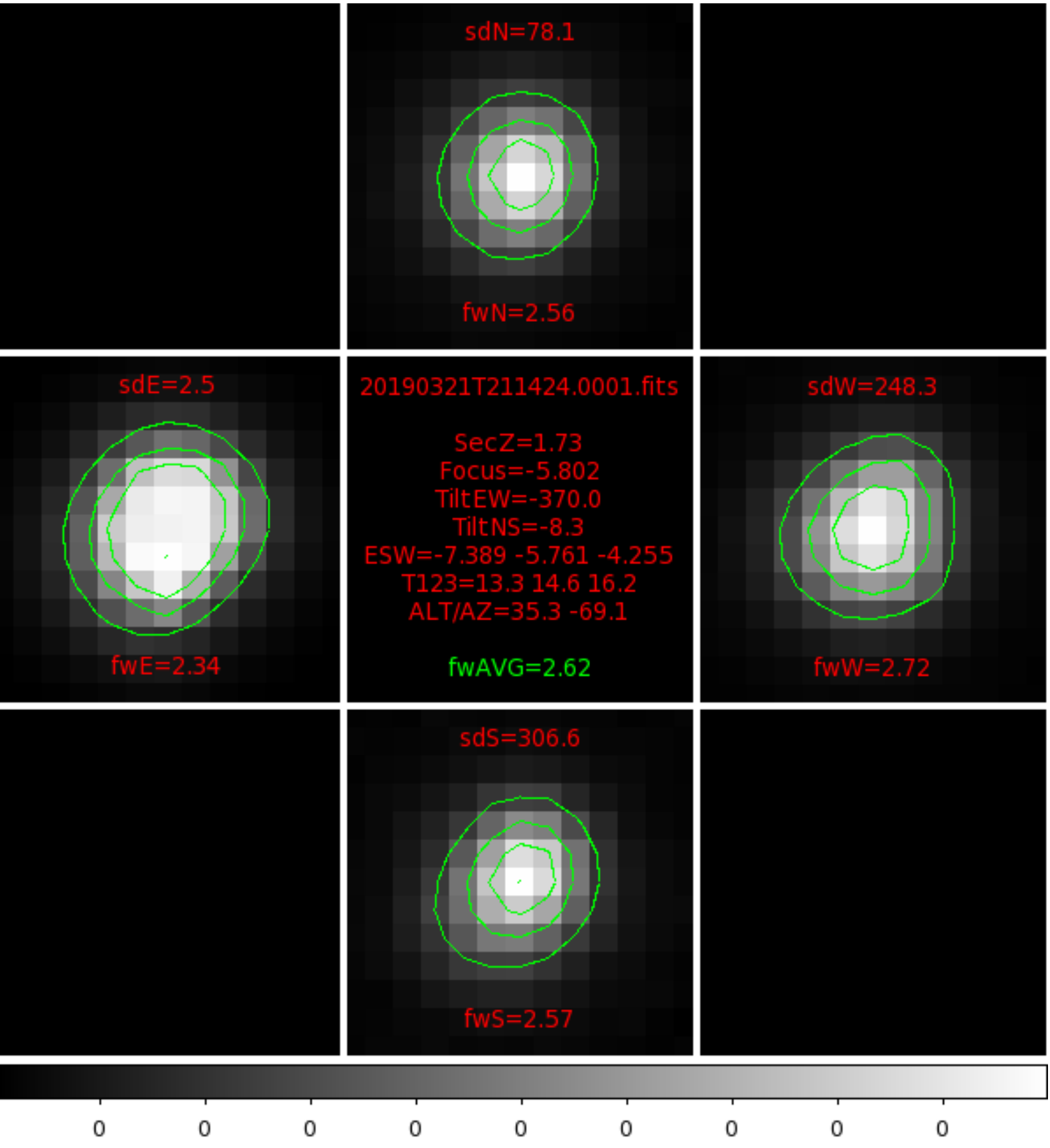
sdN=78.1
fwN=2.56
sdE=2.5
fwE=2.34
20190321T211424.0001.fits
SecZ=1.73
Focus=-5.802
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.389 -5.761 -4.255
T123=13.3 14.6 16.2
ALT/AZ=35.3 -69.1
fwAVG=2.62
sdW=248.3
fwW=2.72
sdS=306.6
fwS=2.57
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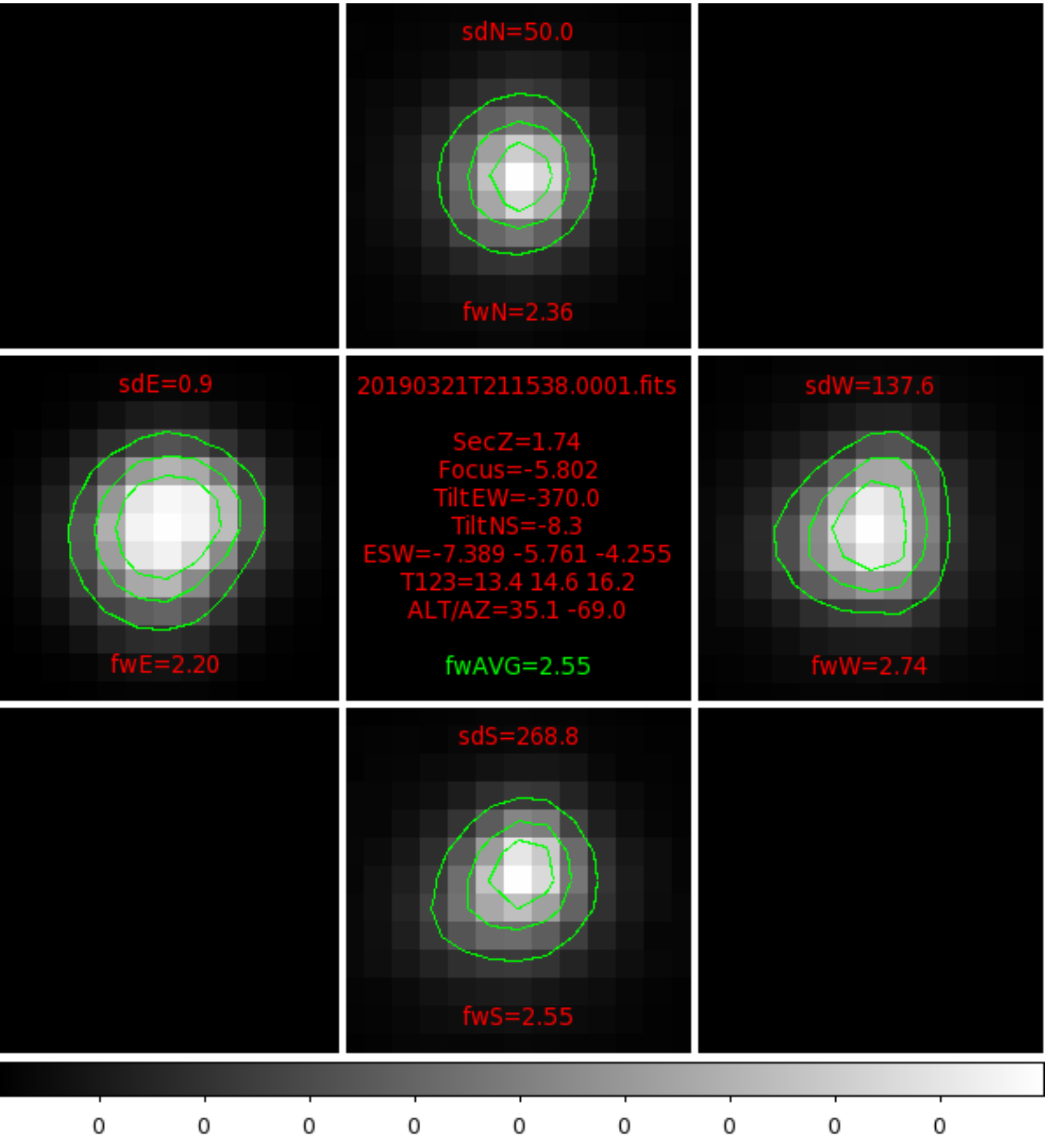
sdN=50.0
fwN=2.36
sdE=0.9
fwE=2.20
20190321T211538.0001.fits
SecZ=1.74
Focus=-5.802
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.389 -5.761 -4.255
T123=13.4 14.6 16.2
ALT/AZ=35.1 -69.0
fwAVG=2.55
sdW=137.6
fwW=2.74
sdS=268.8
fwS=2.55
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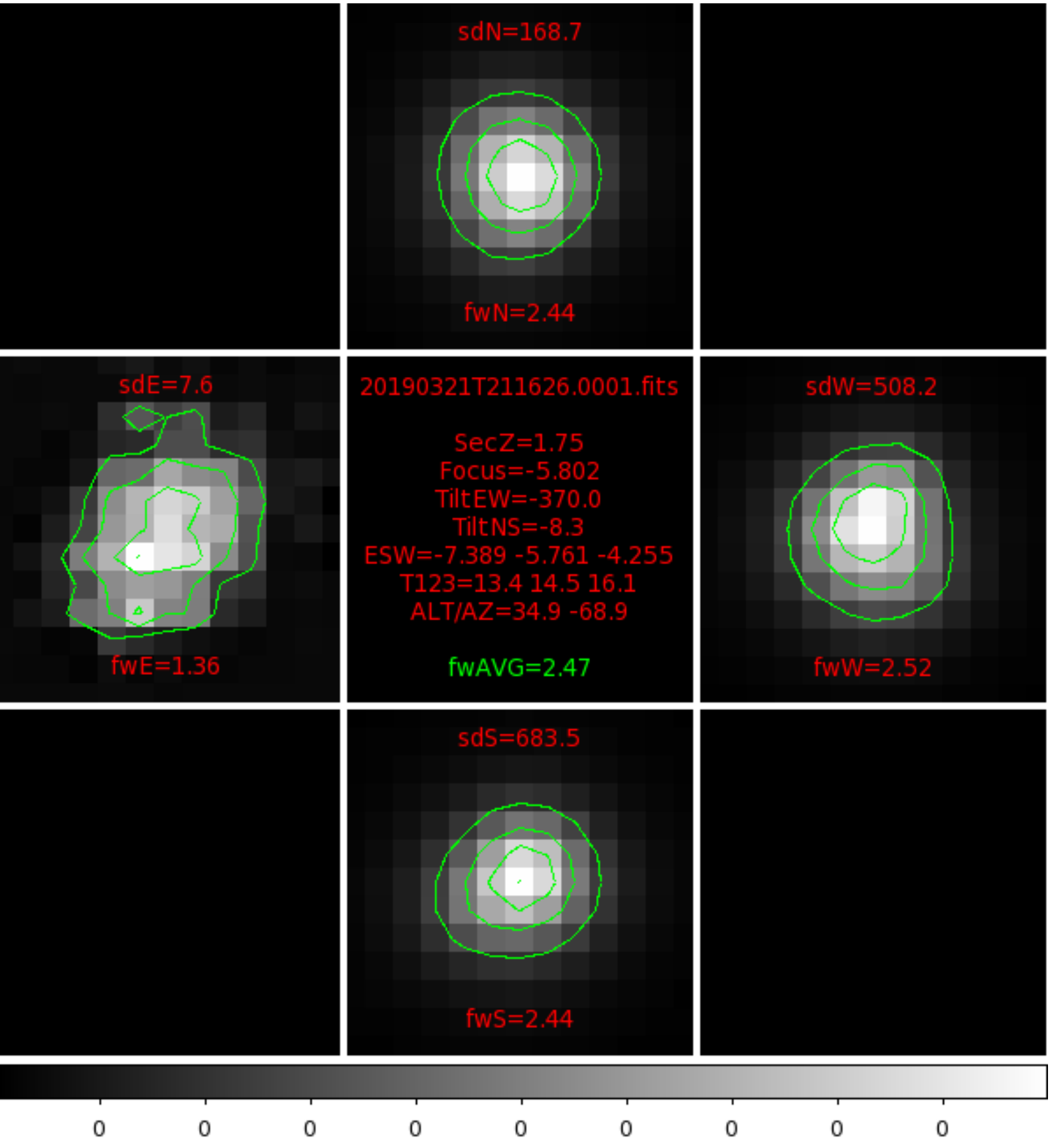
sdN=168.7
fwN=2.44
sdE=7.6
fwE=1.36
20190321T211626.0001.fits
SecZ=1.75
Focus=-5.802
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.389 -5.761 -4.255
T123=13.4 14.5 16.1
ALT/AZ=34.9 -68.9
fwAVG=2.47
sdW=508.2
fwW=2.52
sdS=683.5
fwS=2.44
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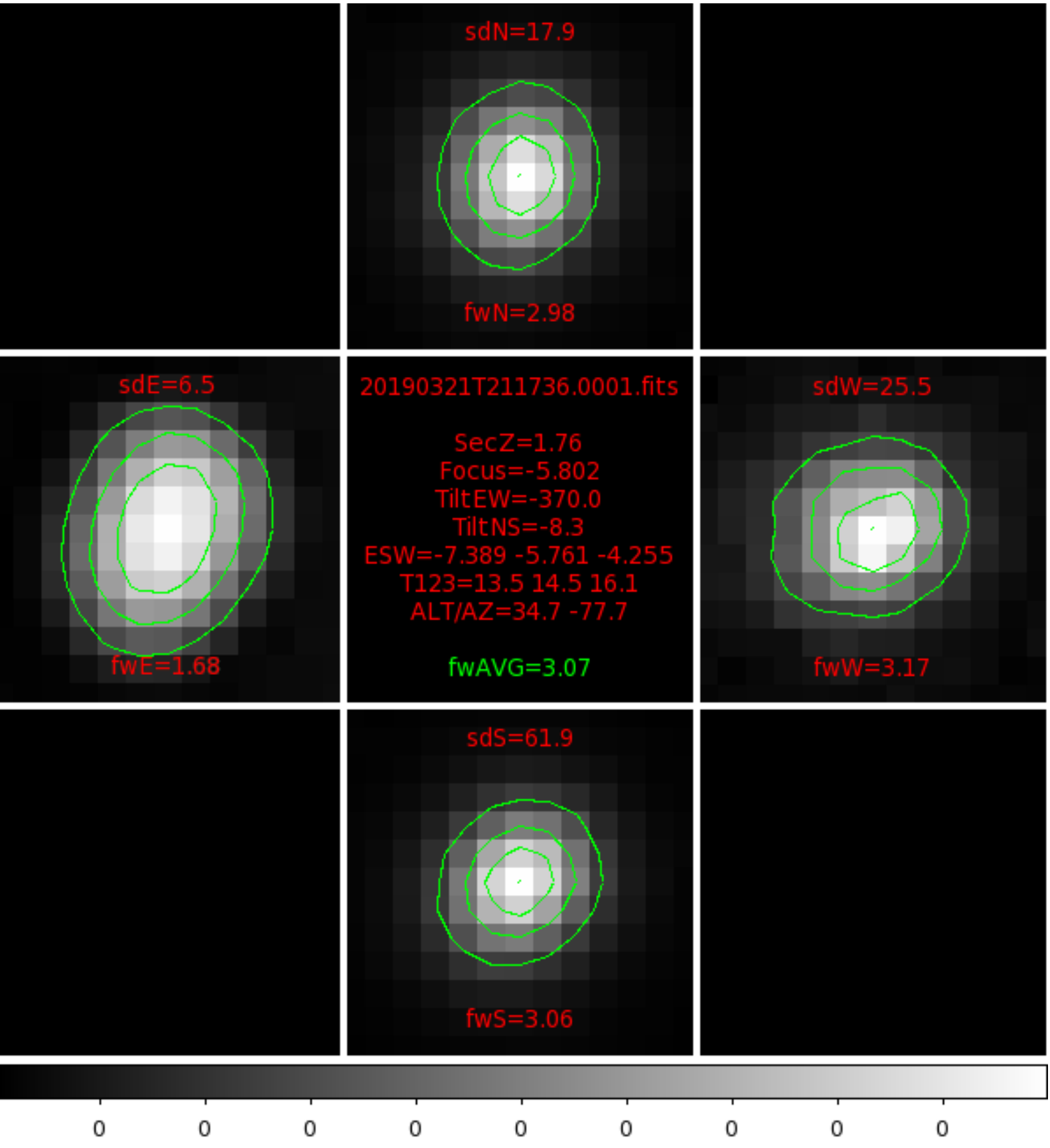
sdN=17.9
fwN=2.98
sdE=6.5
fwE=1.68
20190321T211736.0001.fits
SecZ=1.76
Focus=-5.802
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.389 -5.761 -4.255
T123=13.5 14.5 16.1
ALT/AZ=34.7 -77.7
fwAVG=3.07
sdW=25.5
fwW=3.17
sdS=61.9
fwS=3.06
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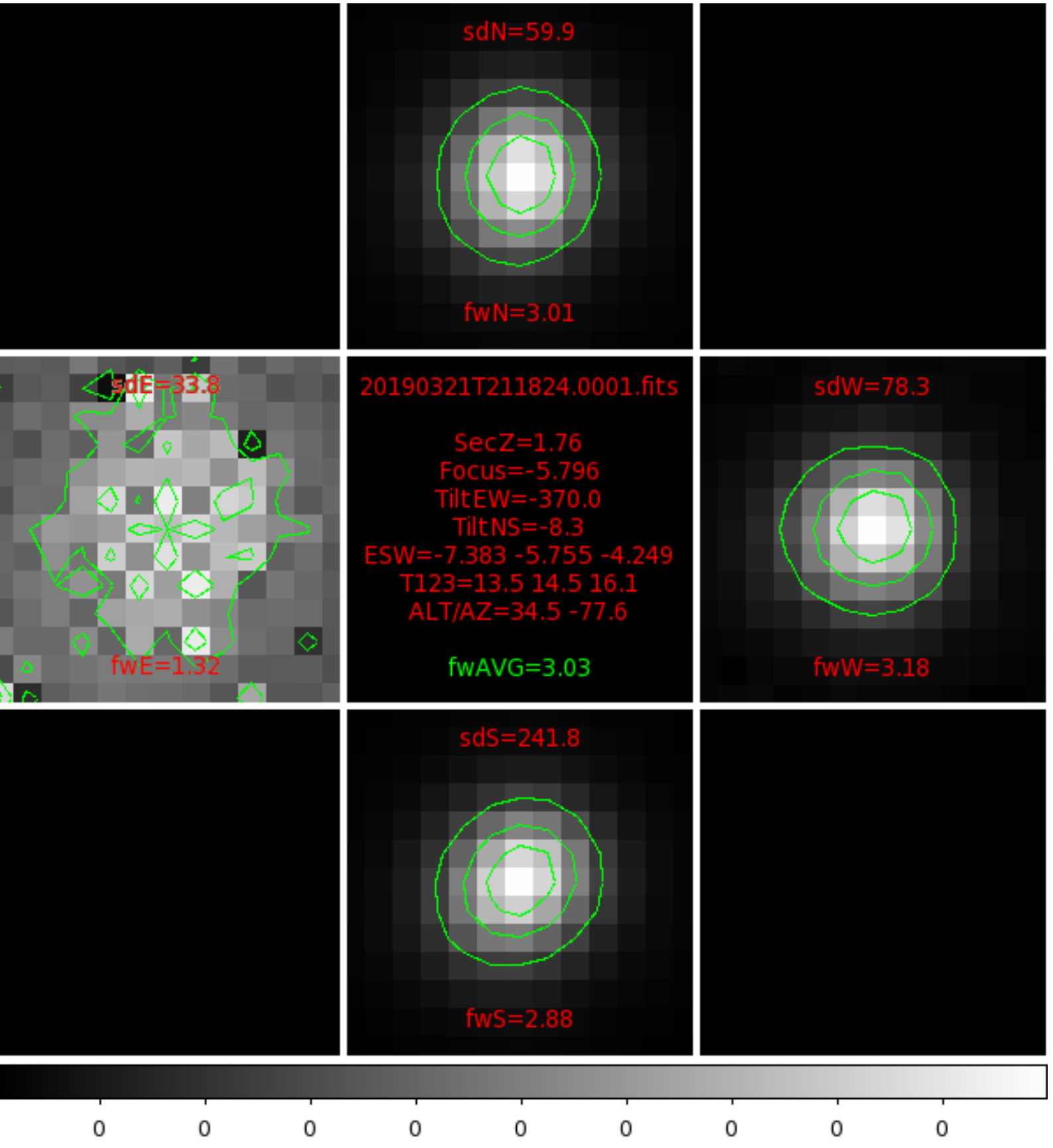
sdN=59.9
fwN=3.01
sdE=33.8
fwE=1.32
20190321T211824.0001.fits
SecZ=1.76
Focus=-5.796
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.383 -5.755 -4.249
T123=13.5 14.5 16.1
ALT/AZ=34.5 -77.6
fwAVG=3.03
sdW=78.3
fwW=3.18
sdS=241.8
fwS=2.88
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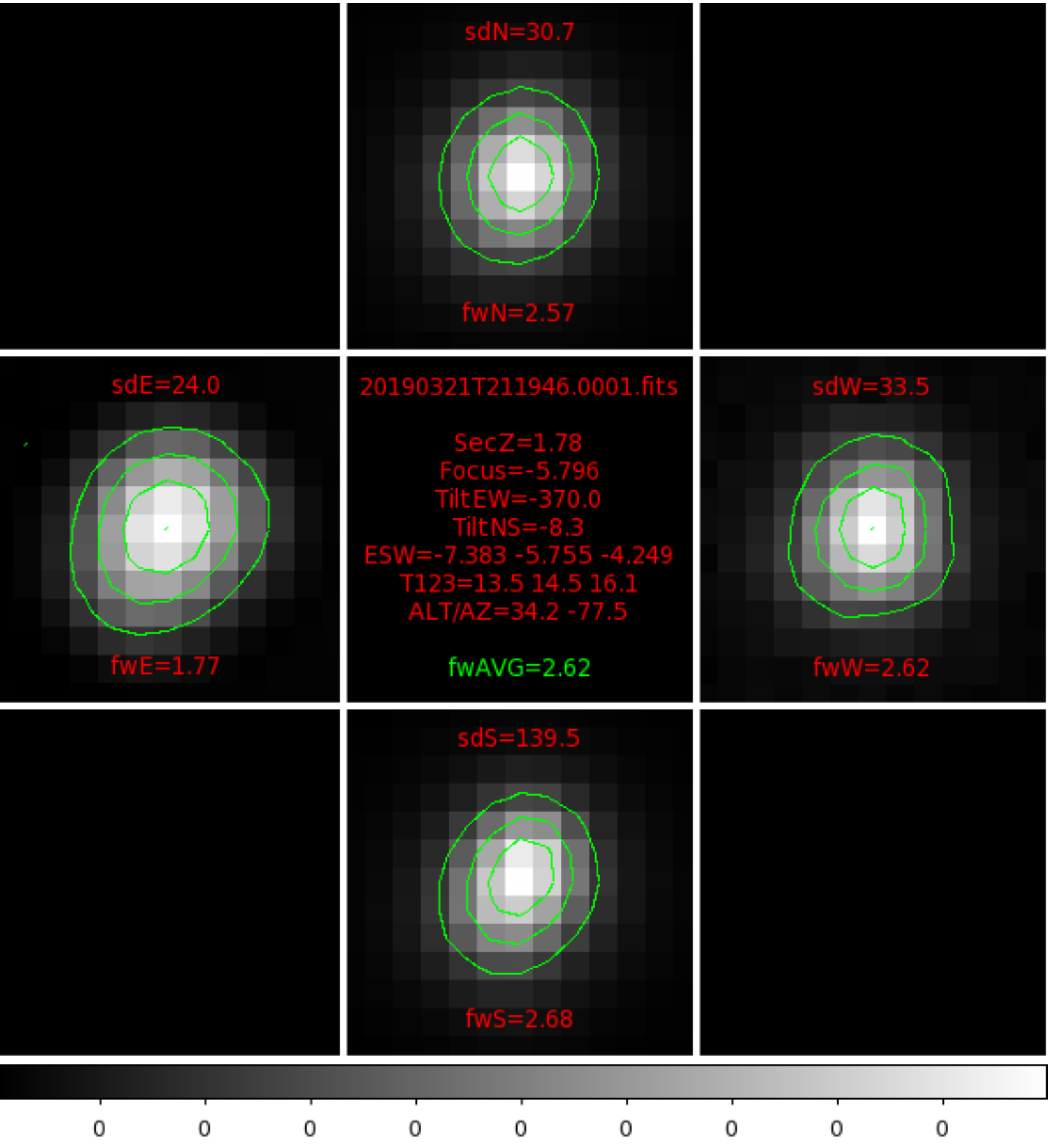
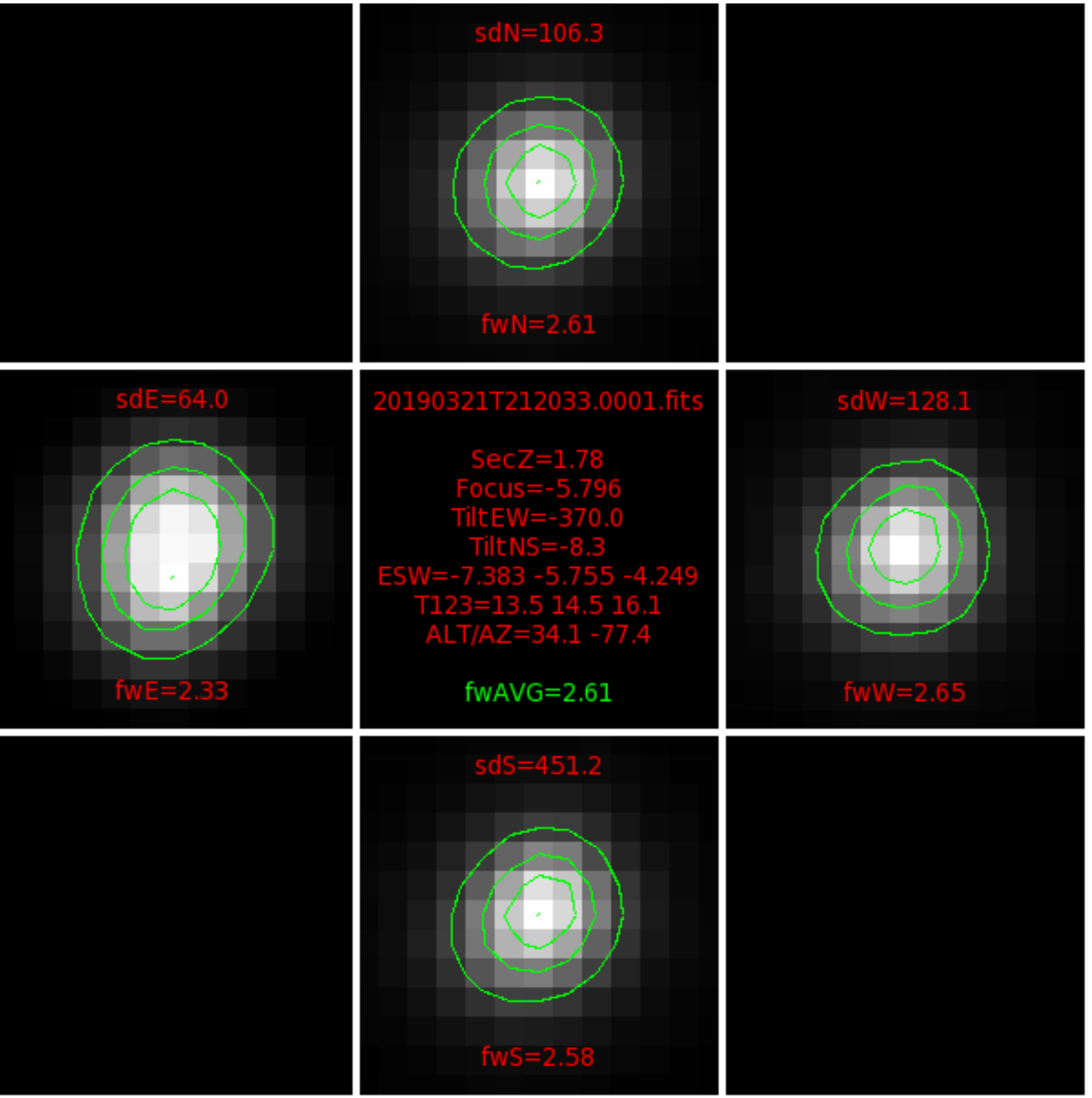

sdN=30.7
fwN=2.57
sdE=24.0
fwE=1.77
20190321T211946.0001.fits
SecZ=1.78
Focus=-5.796
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.383 -5.755 -4.249
T123=13.5 14.5 16.1
ALT/AZ=34.2 -77.5
fwAVG=2.62
sdW=33.5
fwW=2.62
sdS=139.5
fwS=2.68
0 0 0 0 0 0 0 0 0


sdN=106.3
fwN=2.61
sdE=64.0
fwE=2.33
20190321T212033.0001.fits
SecZ=1.78
Focus=-5.796
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.383 -5.755 -4.249
T123=13.5 14.5 16.1
ALT/AZ=34.1 -77.4
fwAVG=2.61
sdW=128.1
fwW=2.65
sdS=451.2
fwS=2.58
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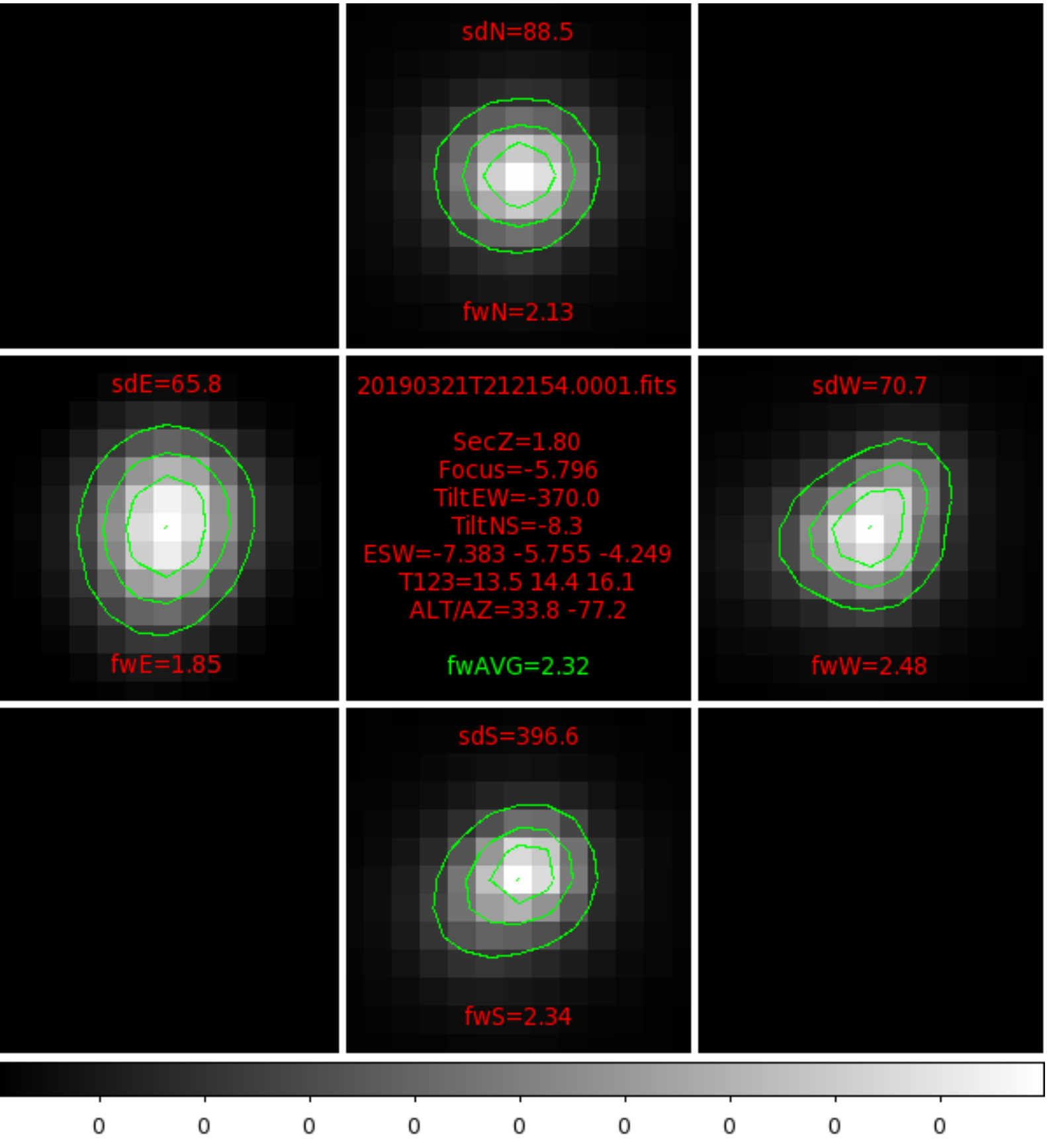
sdN=88.5
fwN=2.13
sdE=65.8
fwE=1.85
20190321T212154.0001.fits
SecZ=1.80
Focus=-5.796
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.383 -5.755 -4.249
T123=13.5 14.4 16.1
ALT/AZ=33.8 -77.2
fwAVG=2.32
sdW=70.7
fwW=2.48
sdS=396.6
fwS=2.34
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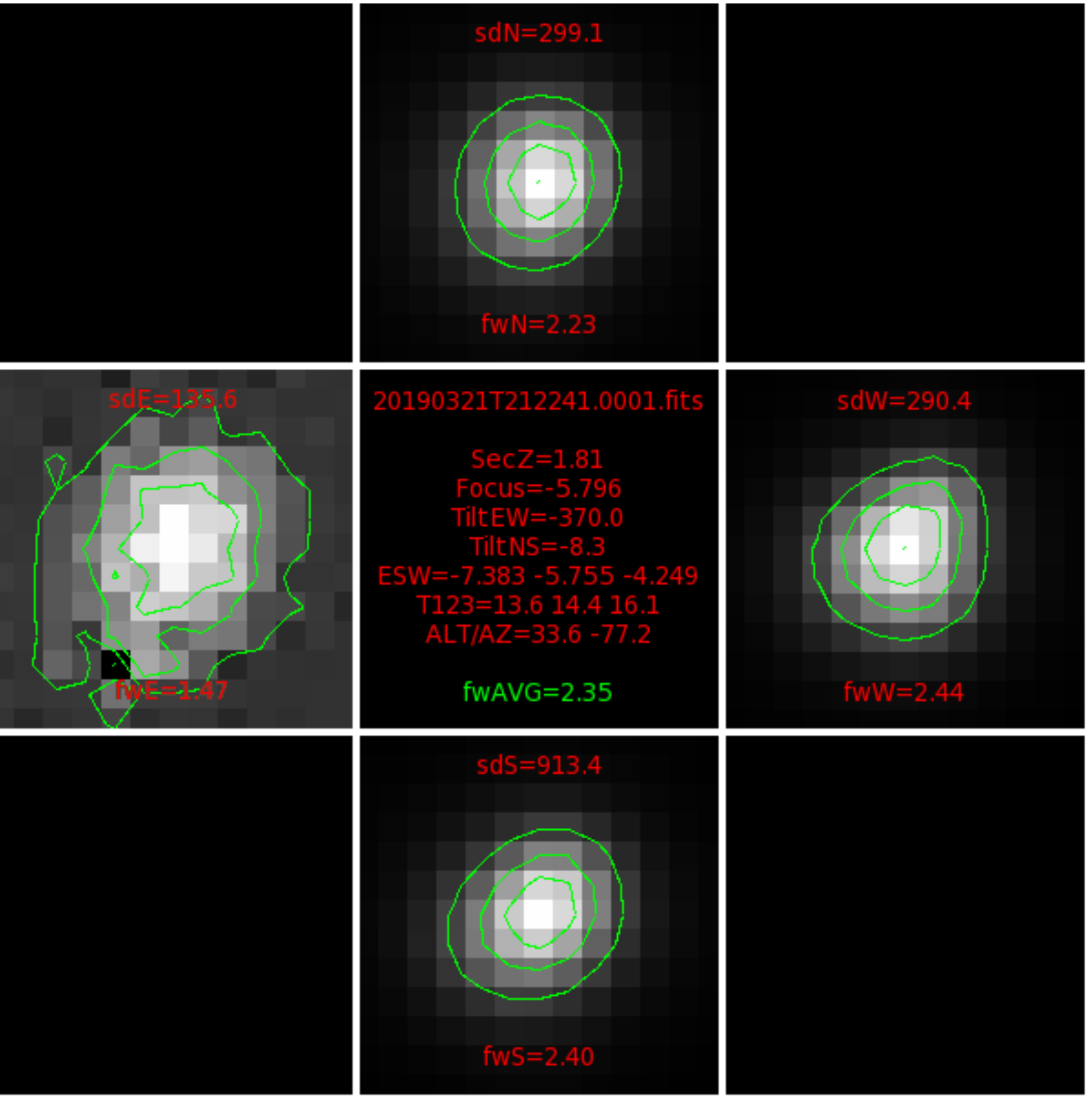
sdN=299.1
fwN=2.23
sdE=135.6
fwE=1.47
20190321T212241.0001.fits
SecZ=1.81
Focus=-5.796
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.383 -5.755 -4.249
T123=13.6 14.4 16.1
ALT/AZ=33.6 -77.2
fwAVG=2.35
sdW=290.4
fwW=2.44
sdS=913.4
fwS=2.40
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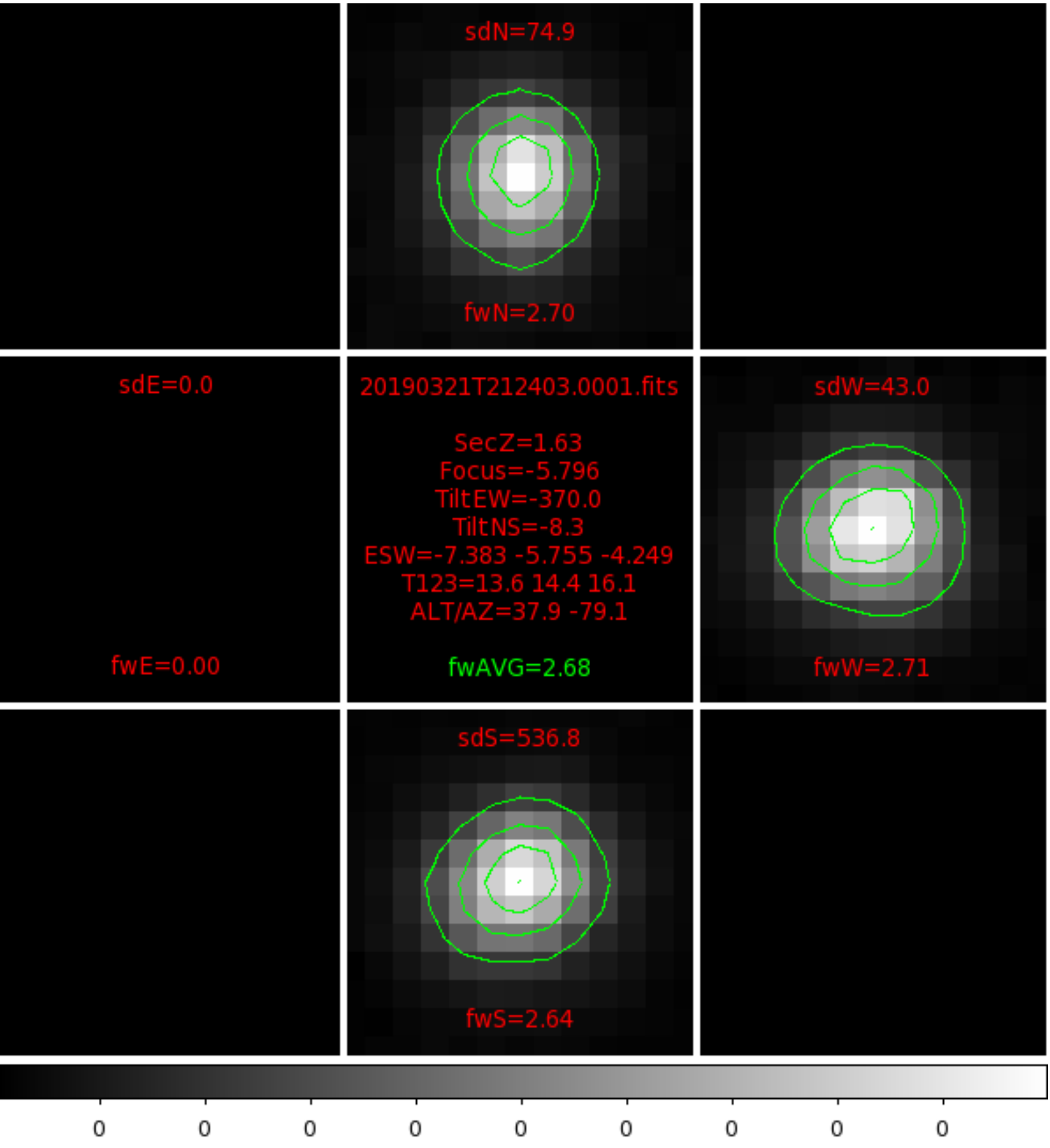
sdN=74.9
fwN=2.70
sdE=0.0
fwE=0.00
20190321T212403.0001.fits
SecZ=1.63
Focus=-5.796
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.383 -5.755 -4.249
T123=13.6 14.4 16.1
ALT/AZ=37.9 -79.1
fwAVG=2.68
sdW=43.0
fwW=2.71
sdS=536.8
fwS=2.64
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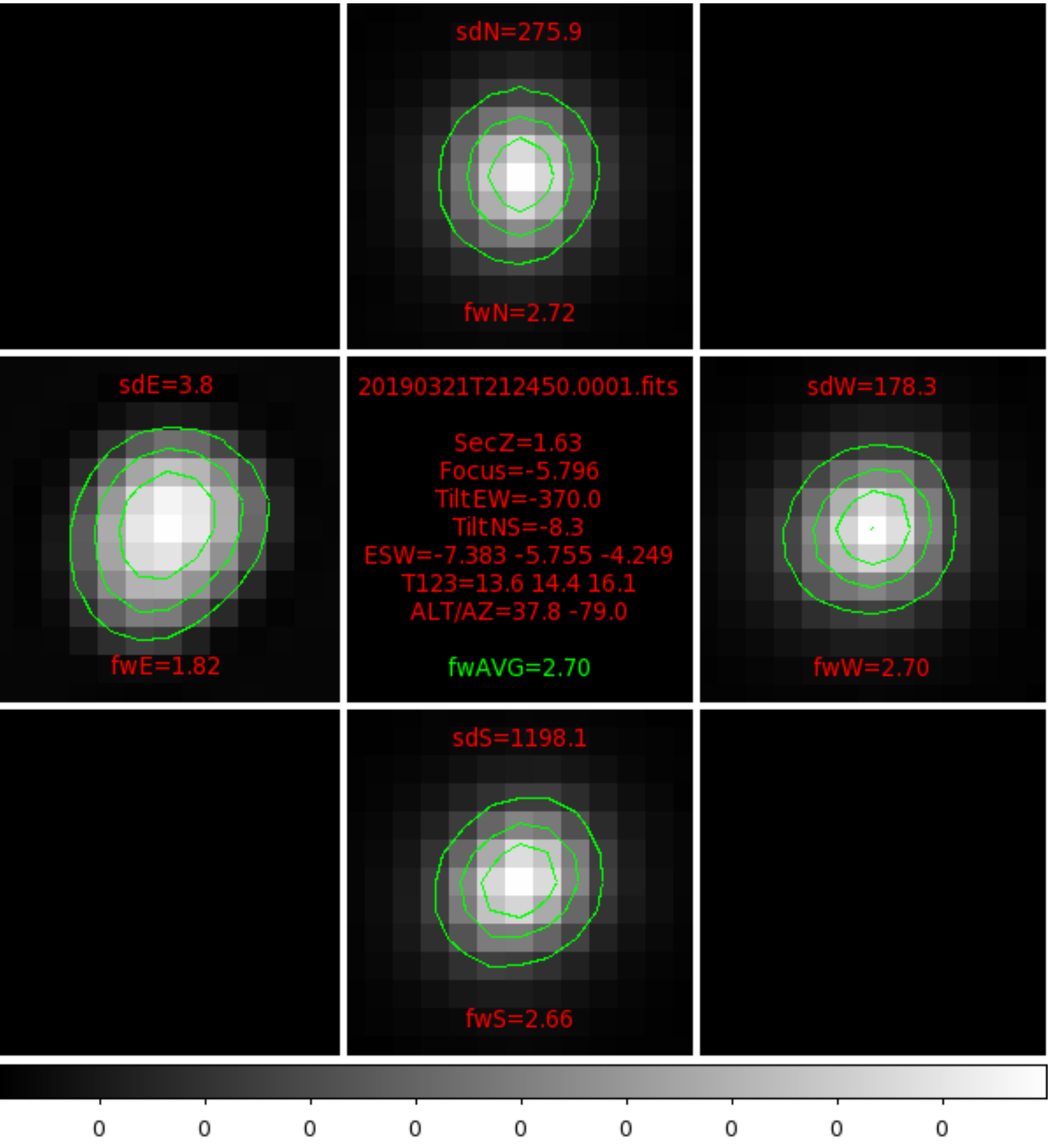
sdN=275.9
fwN=2.72
sdE=3.8
fwE=1.82
20190321T212450.0001.fits
SecZ=1.63
Focus=-5.796
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.383 -5.755 -4.249
T123=13.6 14.4 16.1
ALT/AZ=37.8 -79.0
fwAVG=2.70
sdW=178.3
fwW=2.70
sdS=1198.1
fwS=2.66
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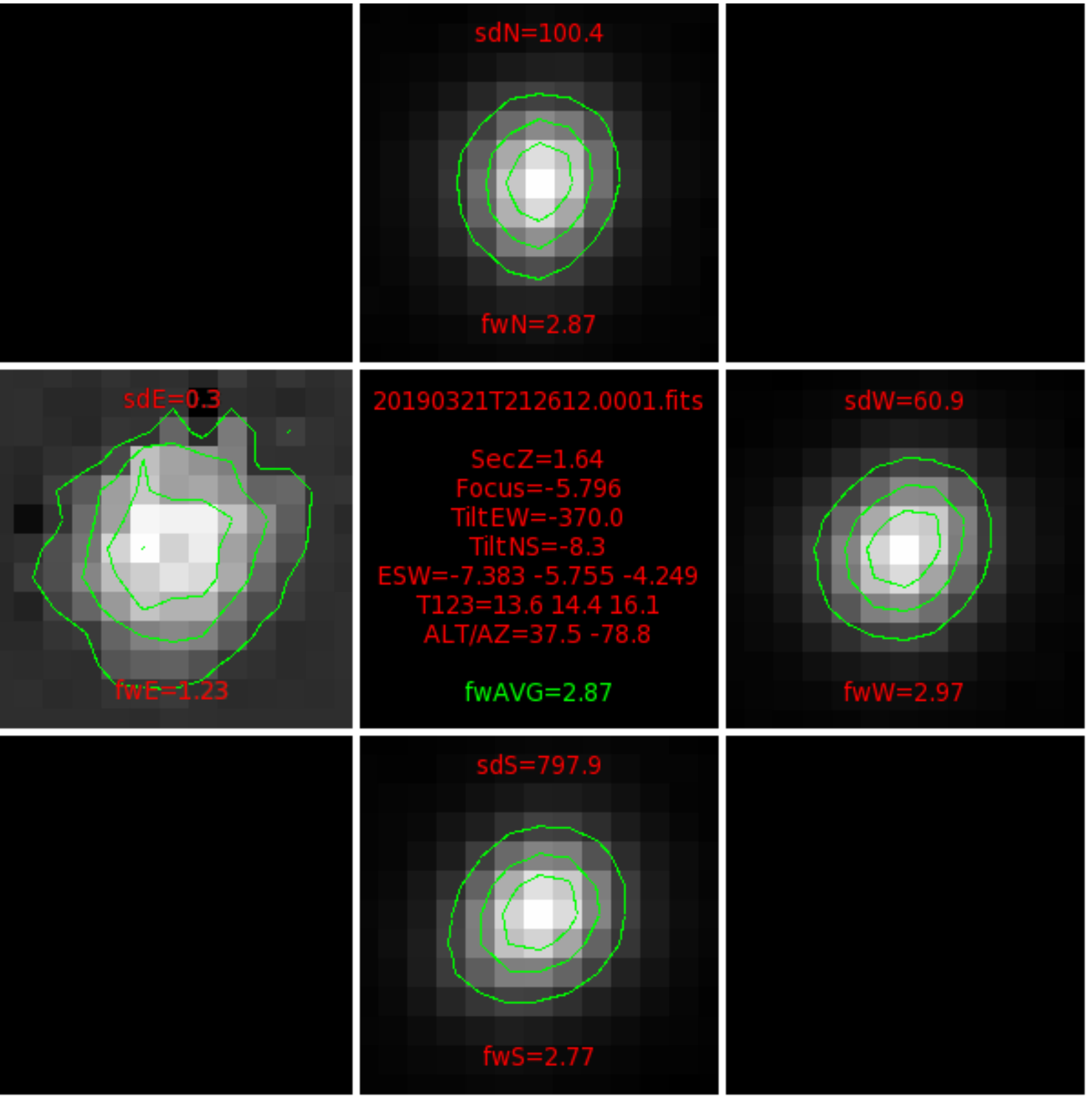
sdN=100.4
fwN=2.87
sdE=0.3
fwE=1.23
20190321T212612.0001.fits
SecZ=1.64
Focus=-5.796
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.383 -5.755 -4.249
T123=13.6 14.4 16.1
ALT/AZ=37.5 -78.8
fwAVG=2.87
sdW=60.9
fwW=2.97
sdS=797.9
fwS=2.77
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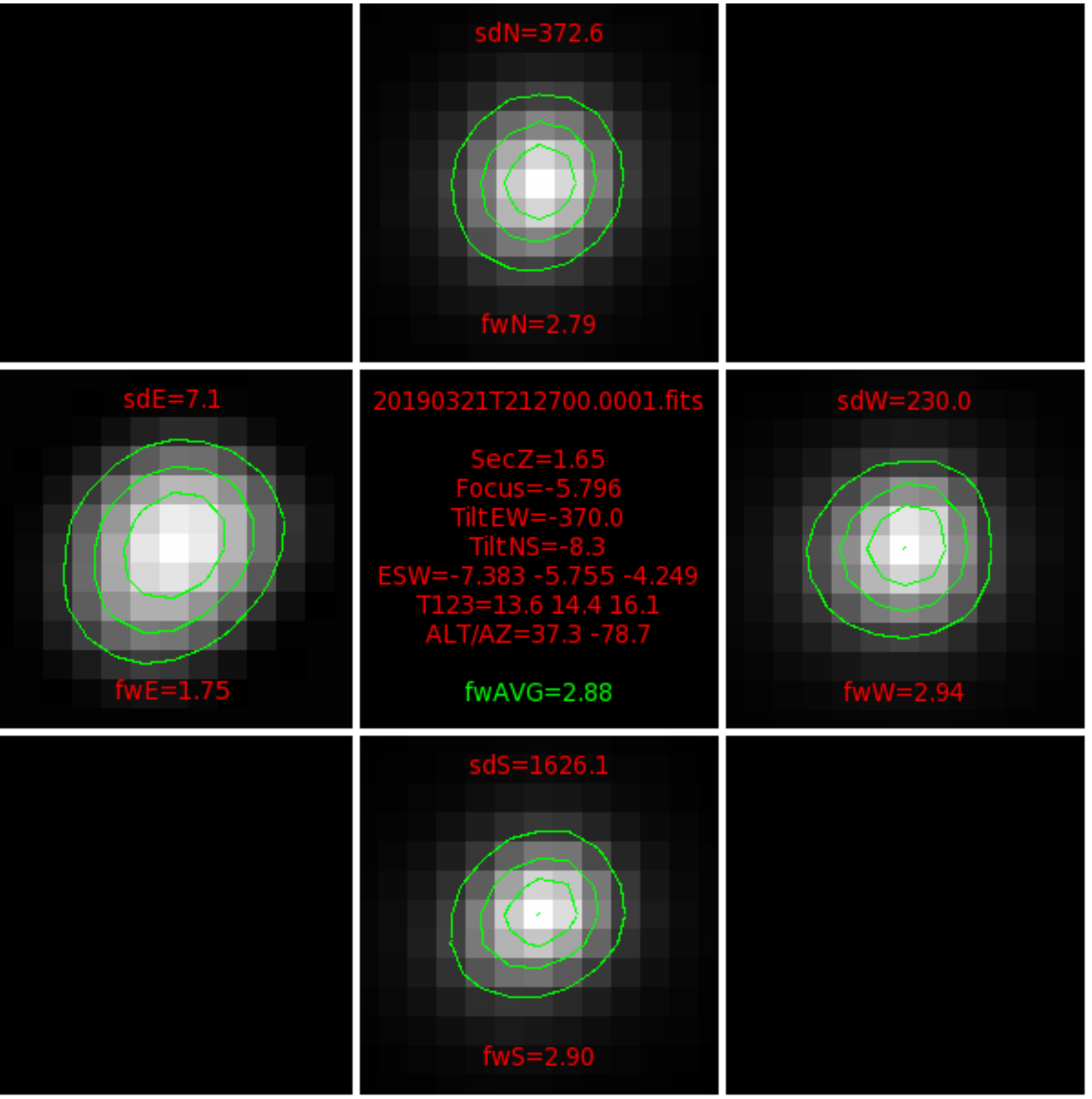
sdN=372.6
fwN=2.79
sdE=7.1
fwE=1.75
20190321T212700.0001.fits
SecZ=1.65
Focus=-5.796
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.383 -5.755 -4.249
T123=13.6 14.4 16.1
ALT/AZ=37.3 -78.7
fwAVG=2.88
sdW=230.0
fwW=2.94
sdS=1626.1
fwS=2.90
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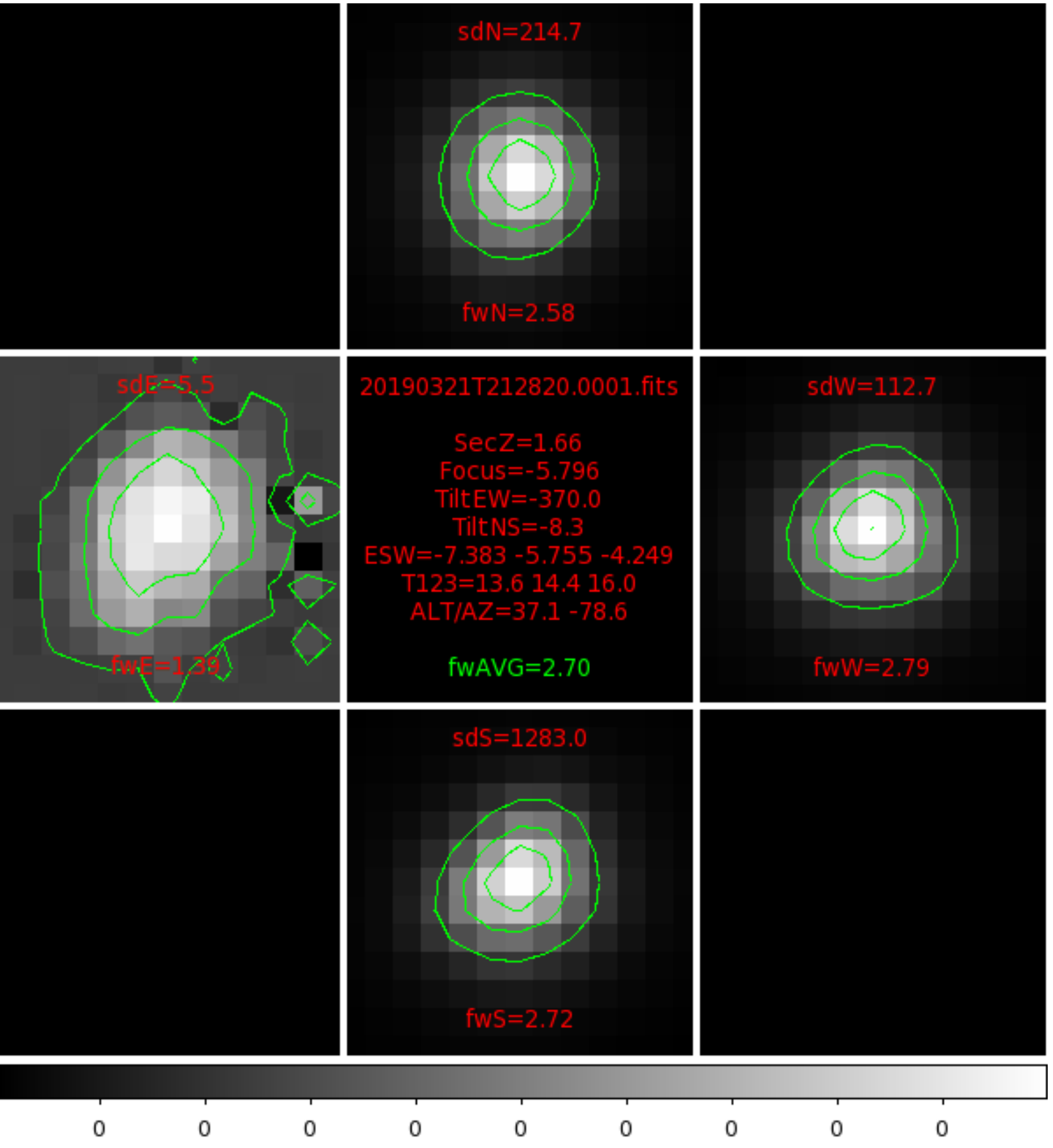
sdN=214.7
fwN=2.58
sdE=5.5
fwE=1.39
20190321T212820.0001.fits
SecZ=1.66
Focus=-5.796
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.383 -5.755 -4.249
T123=13.6 14.4 16.0
ALT/AZ=37.1 -78.6
fwAVG=2.70
sdW=112.7
fwW=2.79
sdS=1283.0
fwS=2.72
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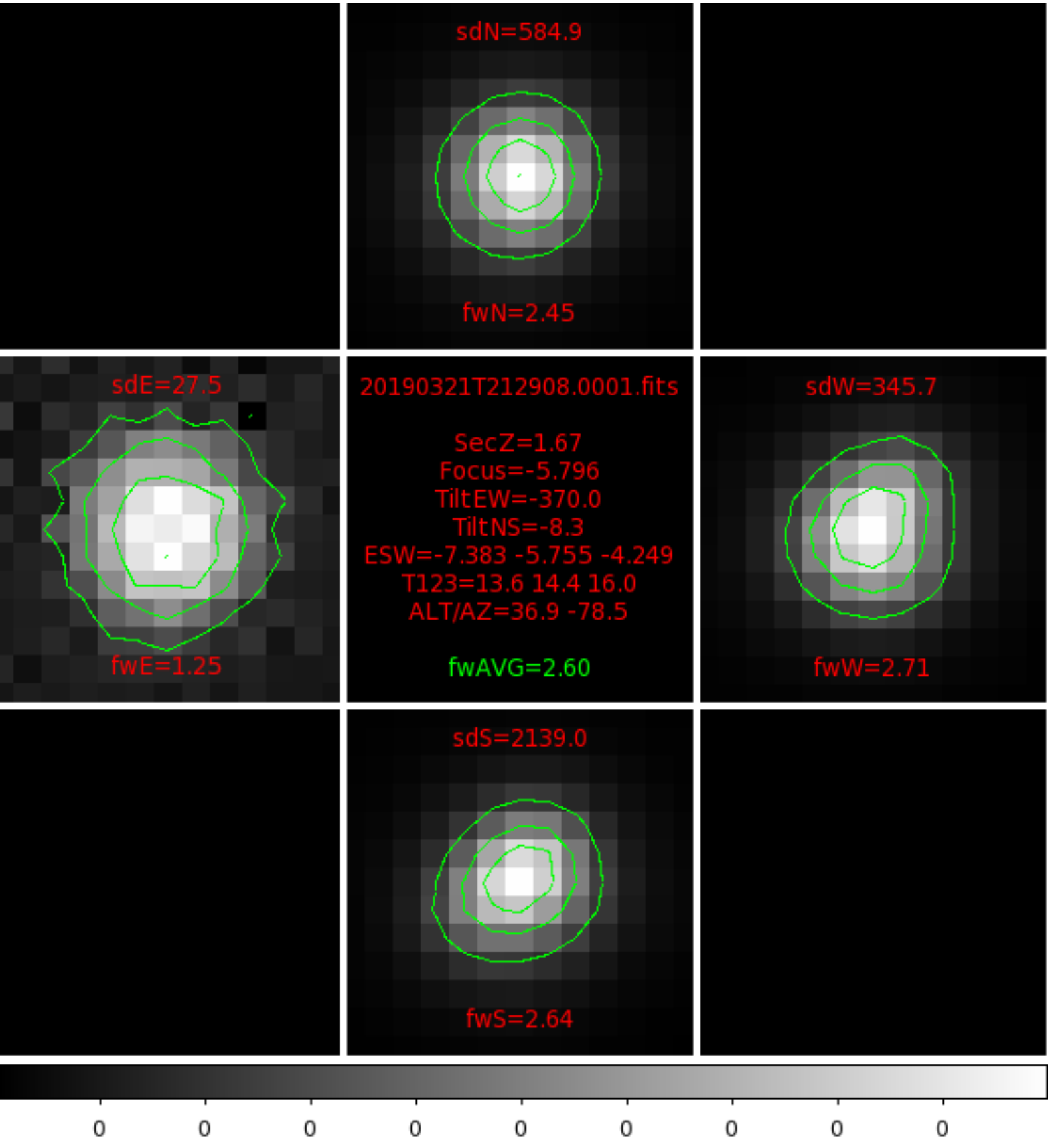
sdN=584.9
fwN=2.45
sdE=27.5
fwE=1.25
20190321T212908.0001.fits
SecZ=1.67
Focus=-5.796
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.383 -5.755 -4.249
T123=13.6 14.4 16.0
ALT/AZ=36.9 -78.5
fwAVG=2.60
sdW=345.7
fwW=2.71
sdS=2139.0
fwS=2.64
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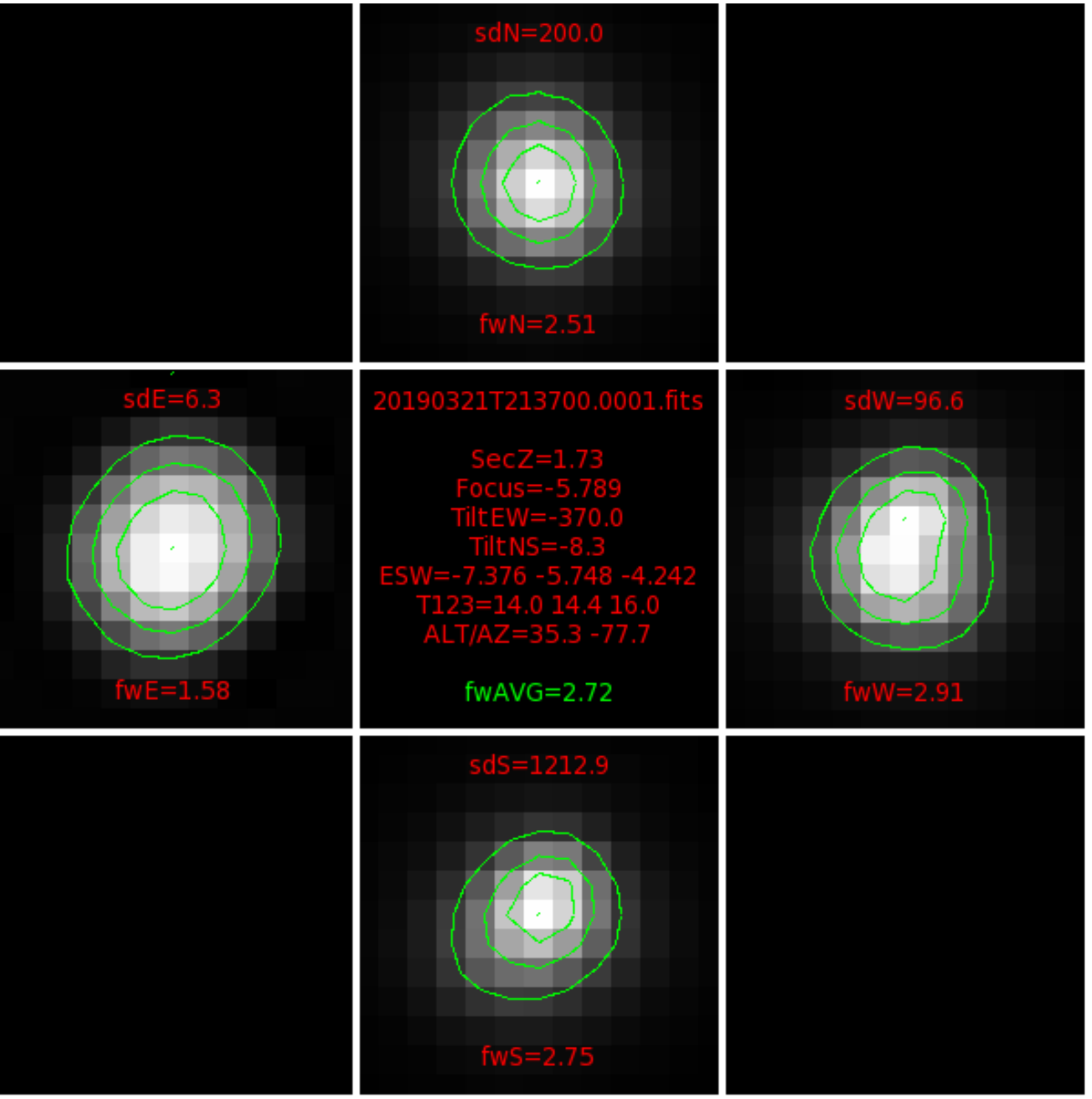
sdN=200.0
fwN=2.51
sdE=6.3
fwE=1.58
20190321T213700.0001.fits
SecZ=1.73
Focus=-5.789
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.376 -5.748 -4.242
T123=14.0 14.4 16.0
ALT/AZ=35.3 -77.7
fwAVG=2.72
sdW=96.6
fwW=2.91
sdS=1212.9
fwS=2.75
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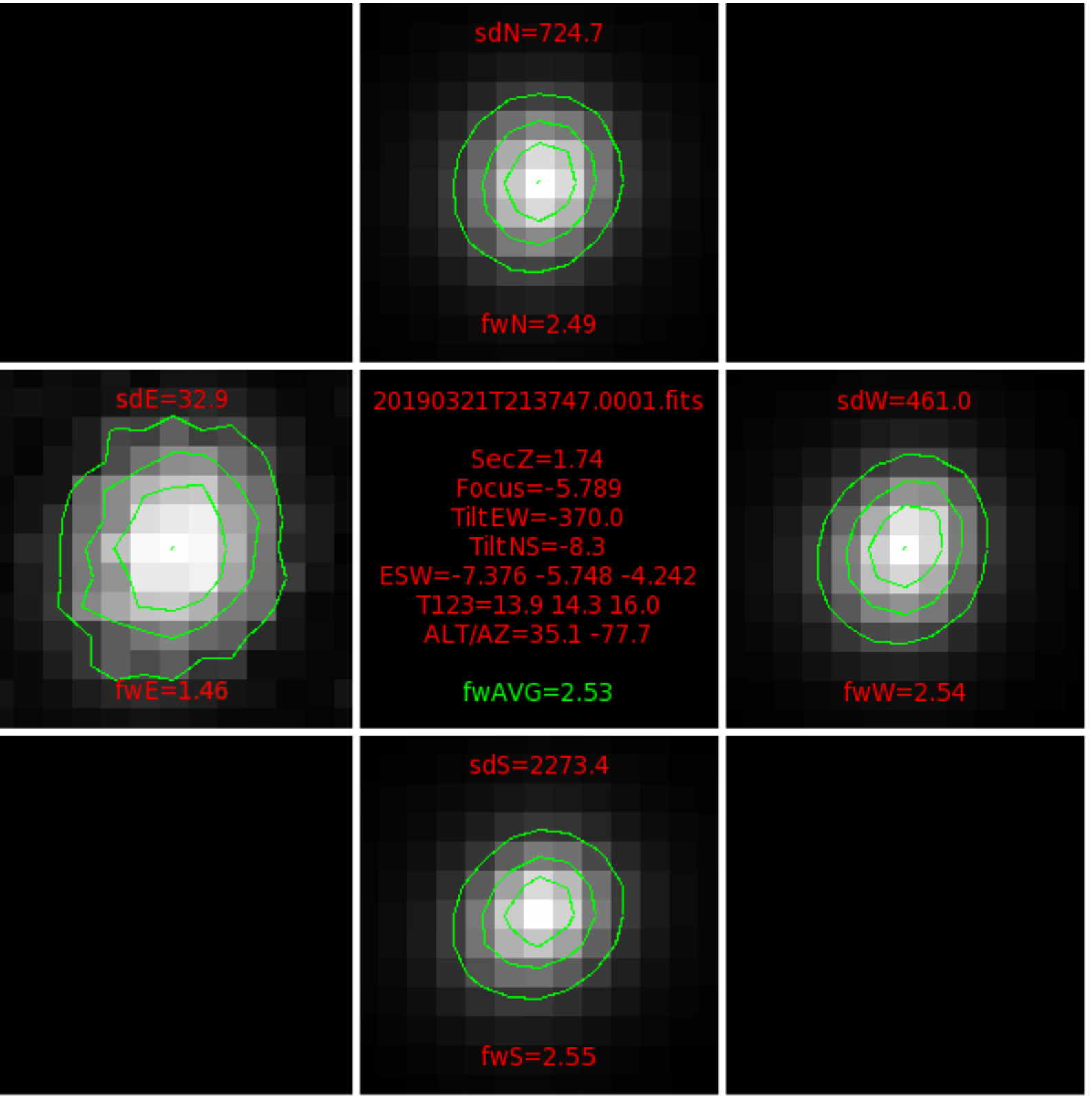
sdN=724.7
fwN=2.49
sdE=32.9
fwE=1.46
20190321T213747.0001.fits
SecZ=1.74
Focus=-5.789
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.376 -5.748 -4.242
T123=13.9 14.3 16.0
ALT/AZ=35.1 -77.7
fwAVG=2.53
sdW=461.0
fwW=2.54
sdS=2273.4
fwS=2.55
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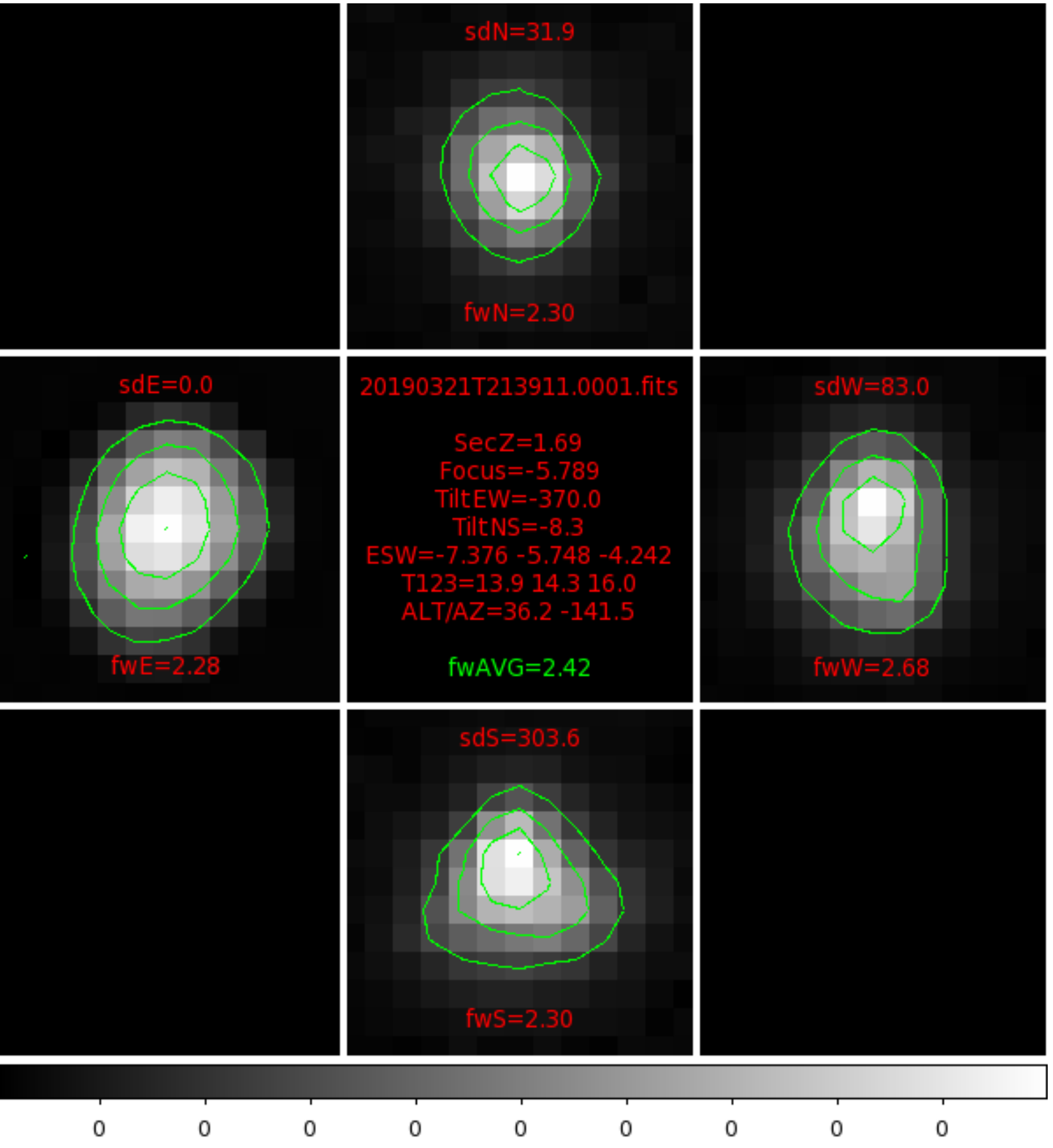
sdN=31.9
fwN=2.30
sdE=0.0
fwE=2.28
20190321T213911.0001.fits
SecZ=1.69
Focus=-5.789
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.376 -5.748 -4.242
T123=13.9 14.3 16.0
ALT/AZ=36.2 -141.5
fwAVG=2.42
sdW=83.0
fwW=2.68
sdS=303.6
fwS=2.30
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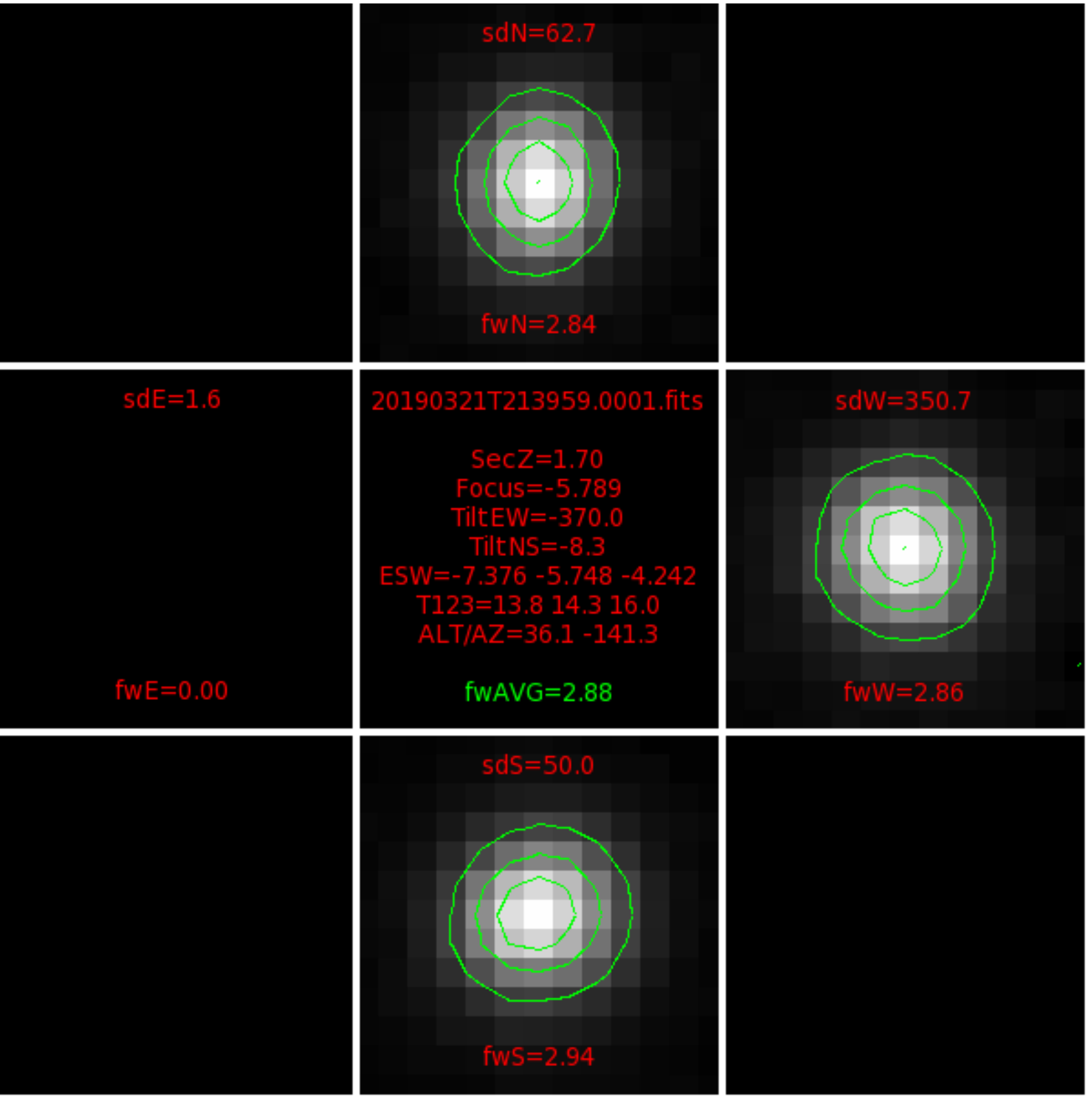
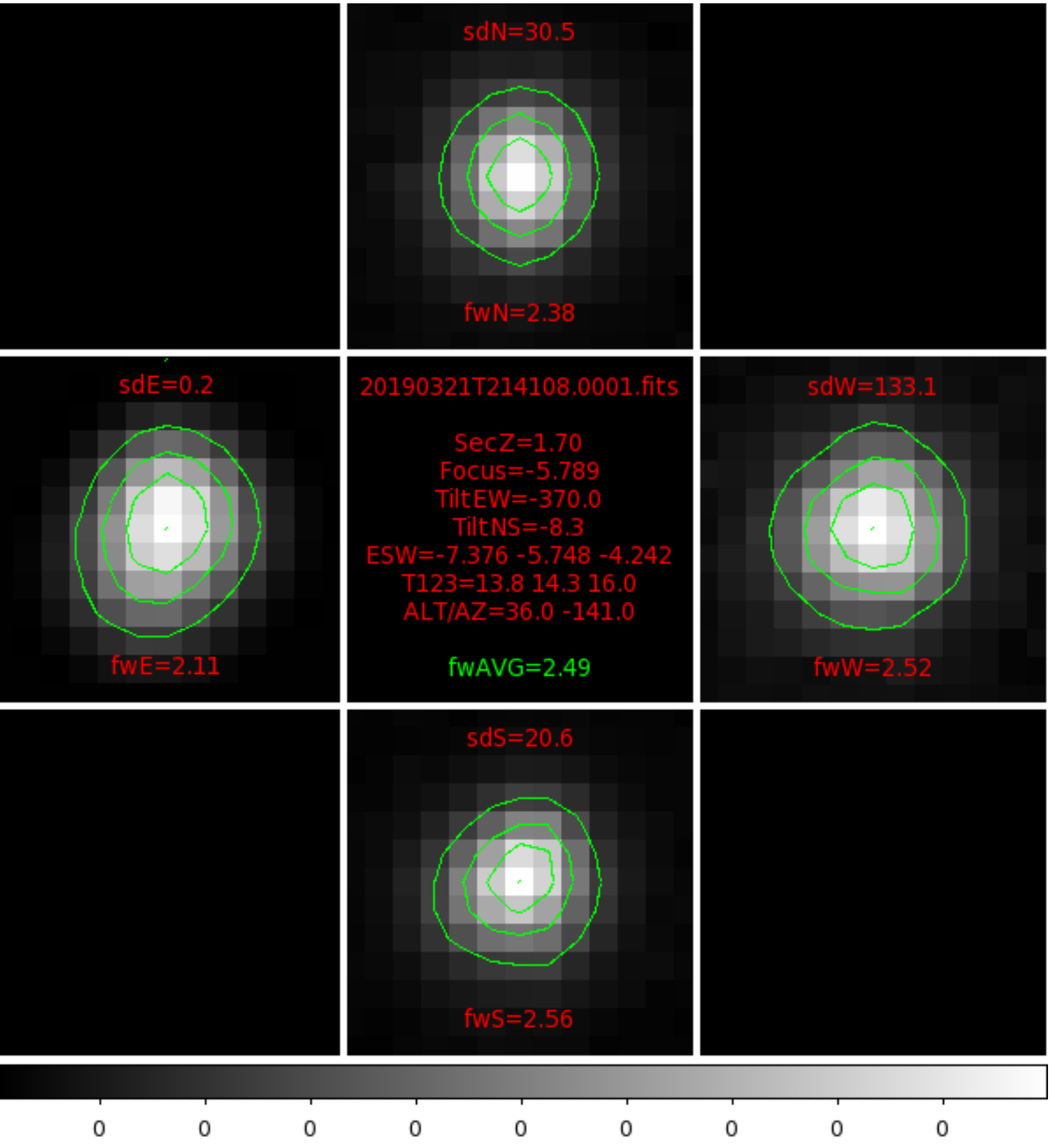

sdN=62.7
fwN=2.84
sdE=1.6
fwE=0.00
20190321T213959.0001.fits
SecZ=1.70
Focus=-5.789
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.376 -5.748 -4.242
T123=13.8 14.3 16.0
ALT/AZ=36.1 -141.3
fwAVG=2.88
sdW=350.7
fwW=2.86
sdS=50.0
fwS=2.94
0 0 0 0 0 0 0 0 0


sdN=30.5
fwN=2.38
sdE=0.2
fwE=2.11
20190321T214108.0001.fits
SecZ=1.70
Focus=-5.789
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.376 -5.748 -4.242
T123=13.8 14.3 16.0
ALT/AZ=36.0 -141.0
fwAVG=2.49
sdW=133.1
fwW=2.52
sdS=20.6
fwS=2.56
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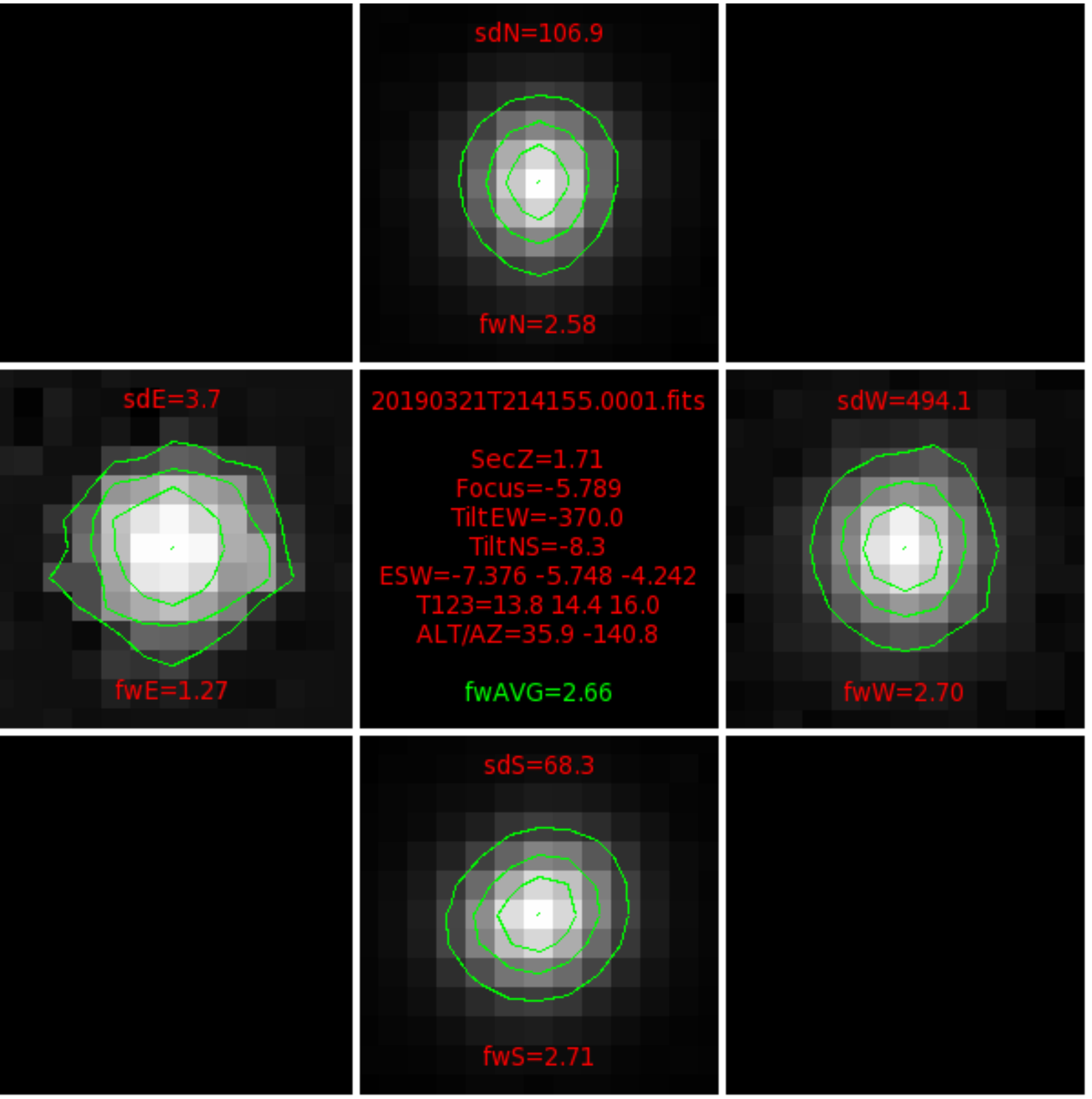
sdN=106.9
fwN=2.58
sdE=3.7
fwE=1.27
20190321T214155.0001.fits
SecZ=1.71
Focus=-5.789
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.376 -5.748 -4.242
T123=13.8 14.4 16.0
ALT/AZ=35.9 -140.8
fwAVG=2.66
sdW=494.1
fwW=2.70
sdS=68.3
fwS=2.71
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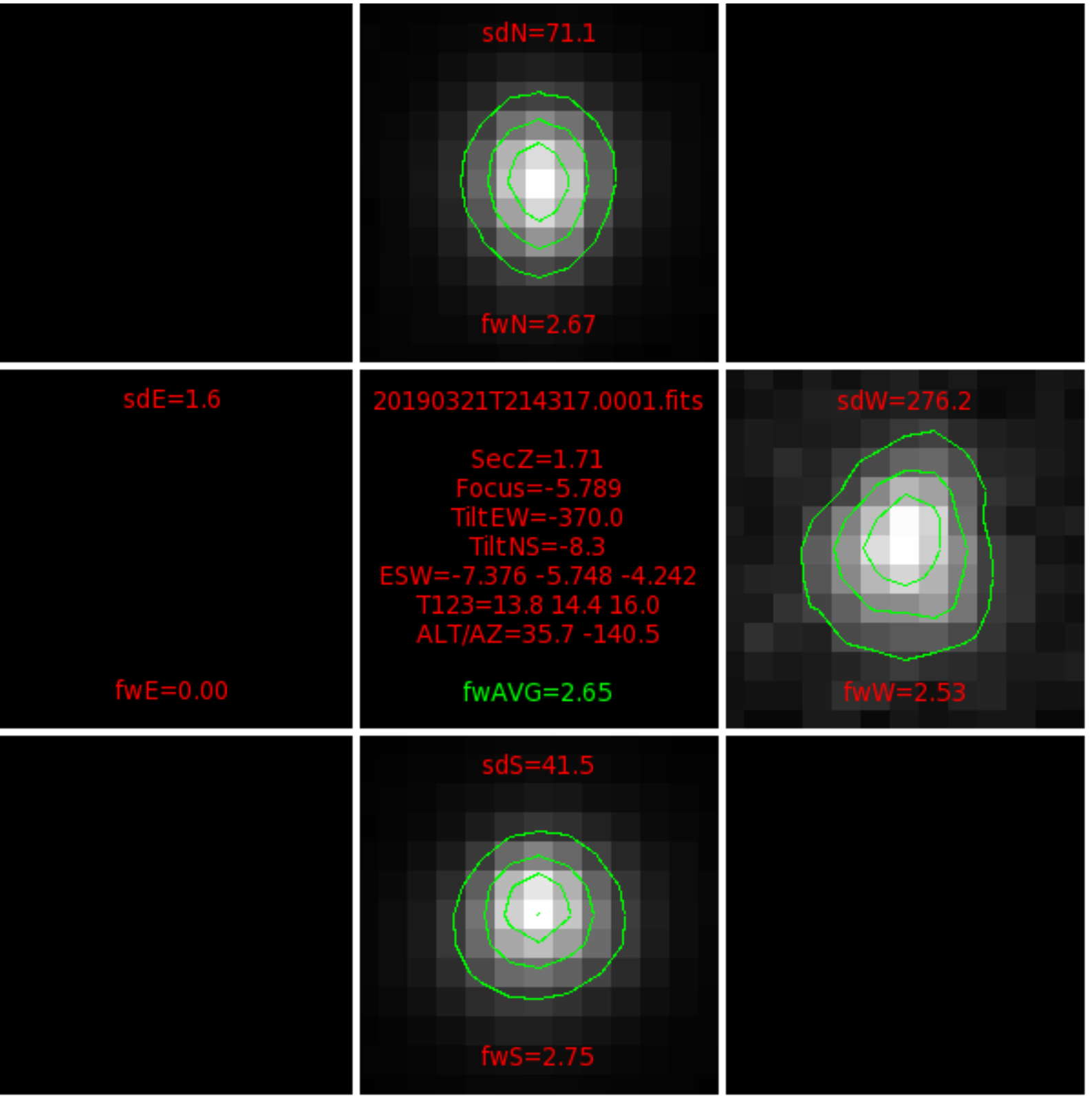
sdN=71.1
fwN=2.67
sdE=1.6
fwE=0.00
20190321T214317.0001.fits
SecZ=1.71
Focus=-5.789
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.376 -5.748 -4.242
T123=13.8 14.4 16.0
ALT/AZ=35.7 -140.5
fwAVG=2.65
sdW=276.2
fwW=2.53
sdS=41.5
fwS=2.75
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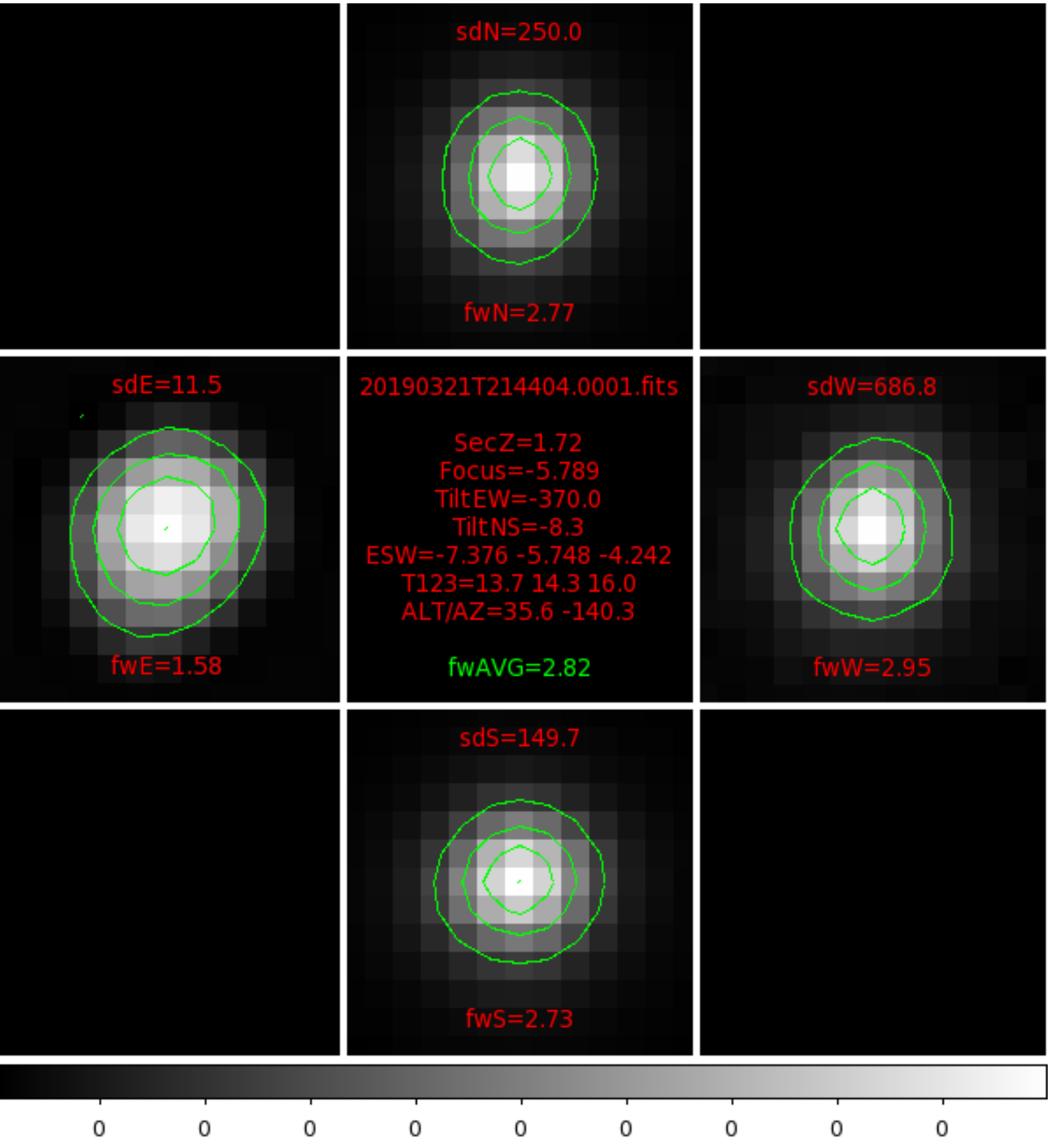
sdN=250.0
fwN=2.77
sdE=11.5
fwE=1.58
20190321T214404.0001.fits
SecZ=1.72
Focus=-5.789
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.376 -5.748 -4.242
T123=13.7 14.3 16.0
ALT/AZ=35.6 -140.3
fwAVG=2.82
sdW=686.8
fwW=2.95
sdS=149.7
fwS=2.73
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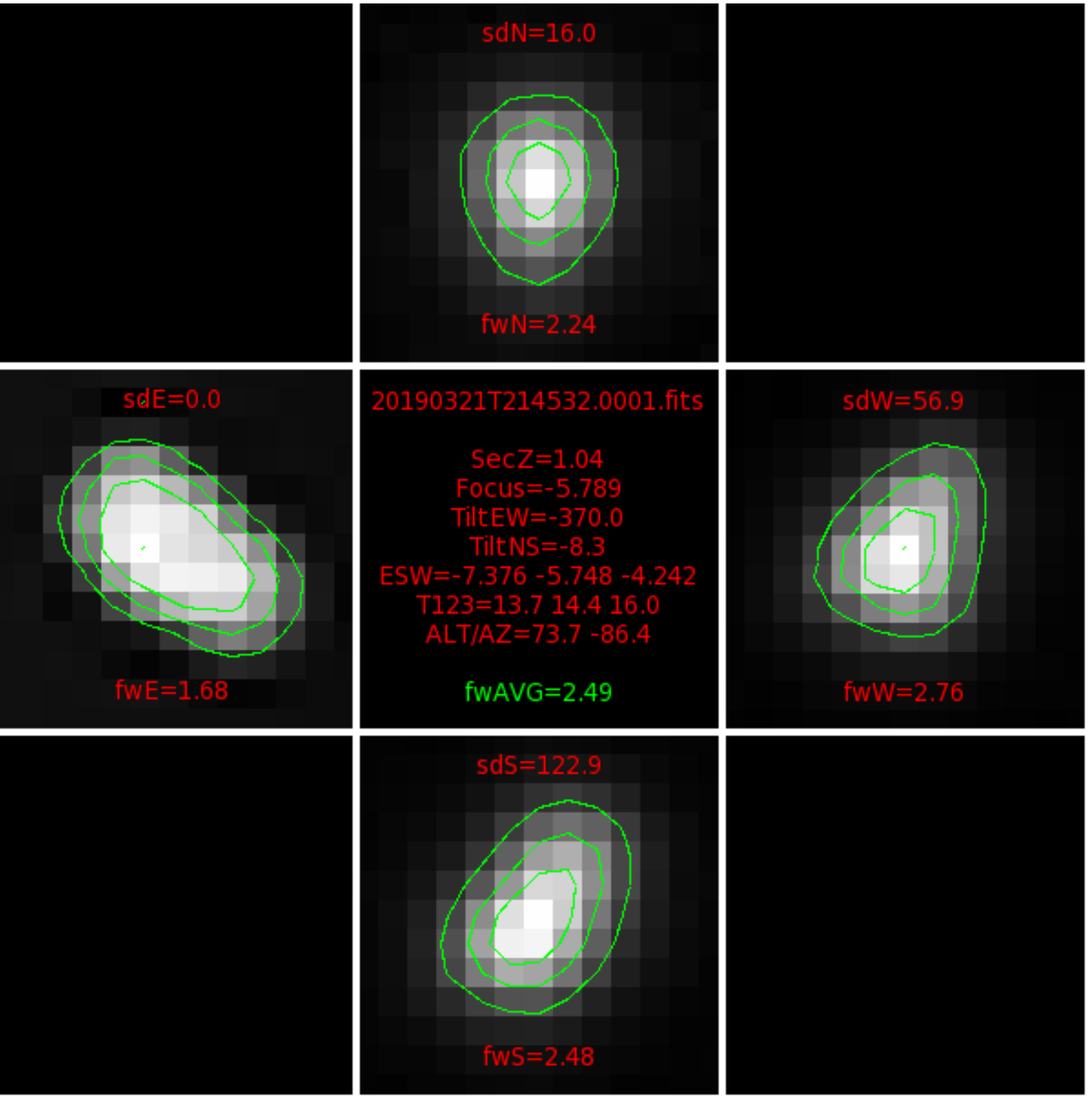
sdN=16.0
fwN=2.24
sdE=0.0
fwE=1.68
20190321T214532.0001.fits
SecZ=1.04
Focus=-5.789
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.376 -5.748 -4.242
T123=13.7 14.4 16.0
ALT/AZ=73.7 -86.4
fwAVG=2.49
sdW=56.9
fwW=2.76
sdS=122.9
fwS=2.48
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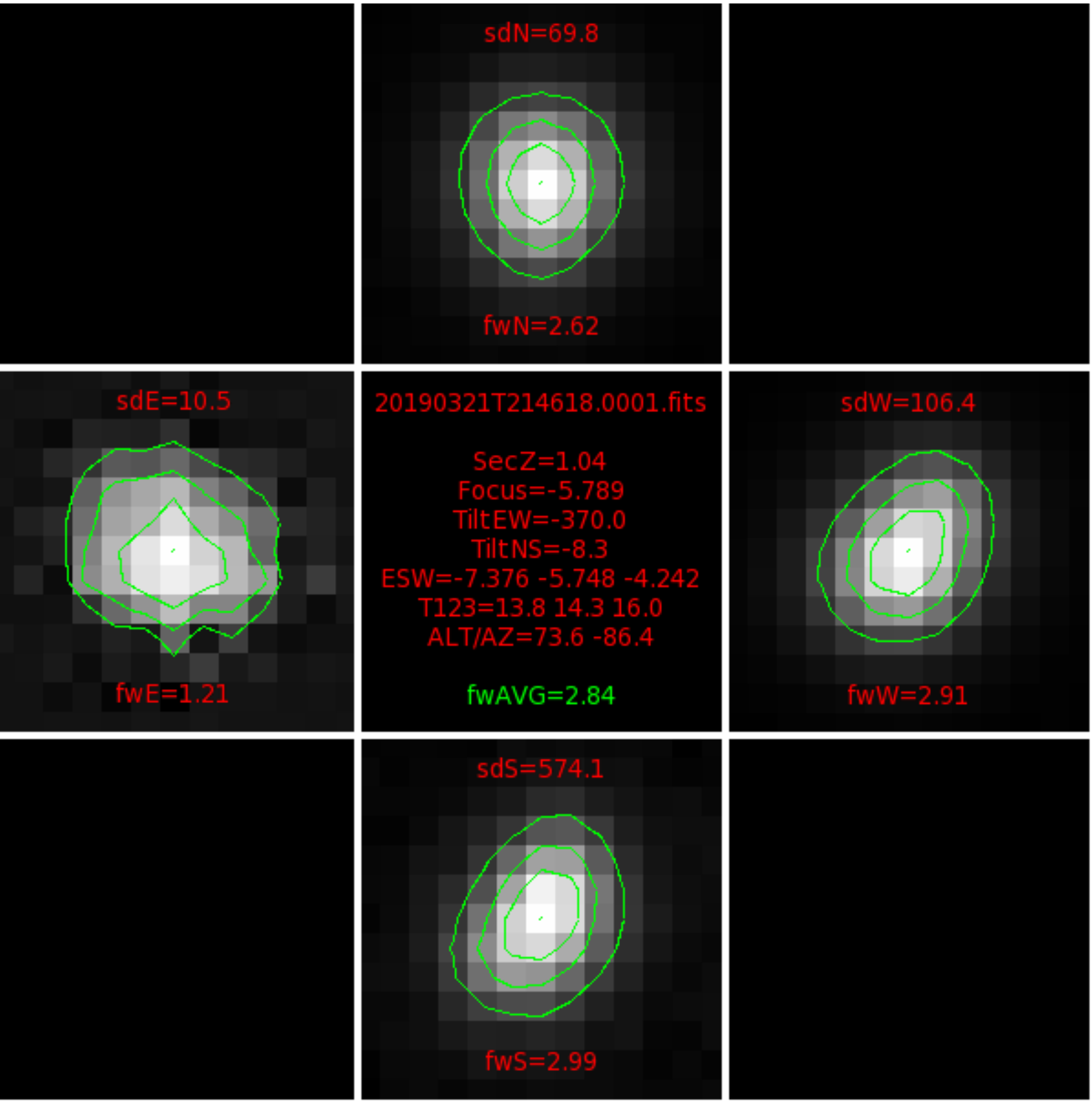
sdN=69.8
fwN=2.62
sdE=10.5
fwE=1.21
20190321T214618.0001.fits
SecZ=1.04
Focus=-5.789
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.376 -5.748 -4.242
T123=13.8 14.3 16.0
ALT/AZ=73.6 -86.4
fwAVG=2.84
sdW=106.4
fwW=2.91
sdS=574.1
fwS=2.99
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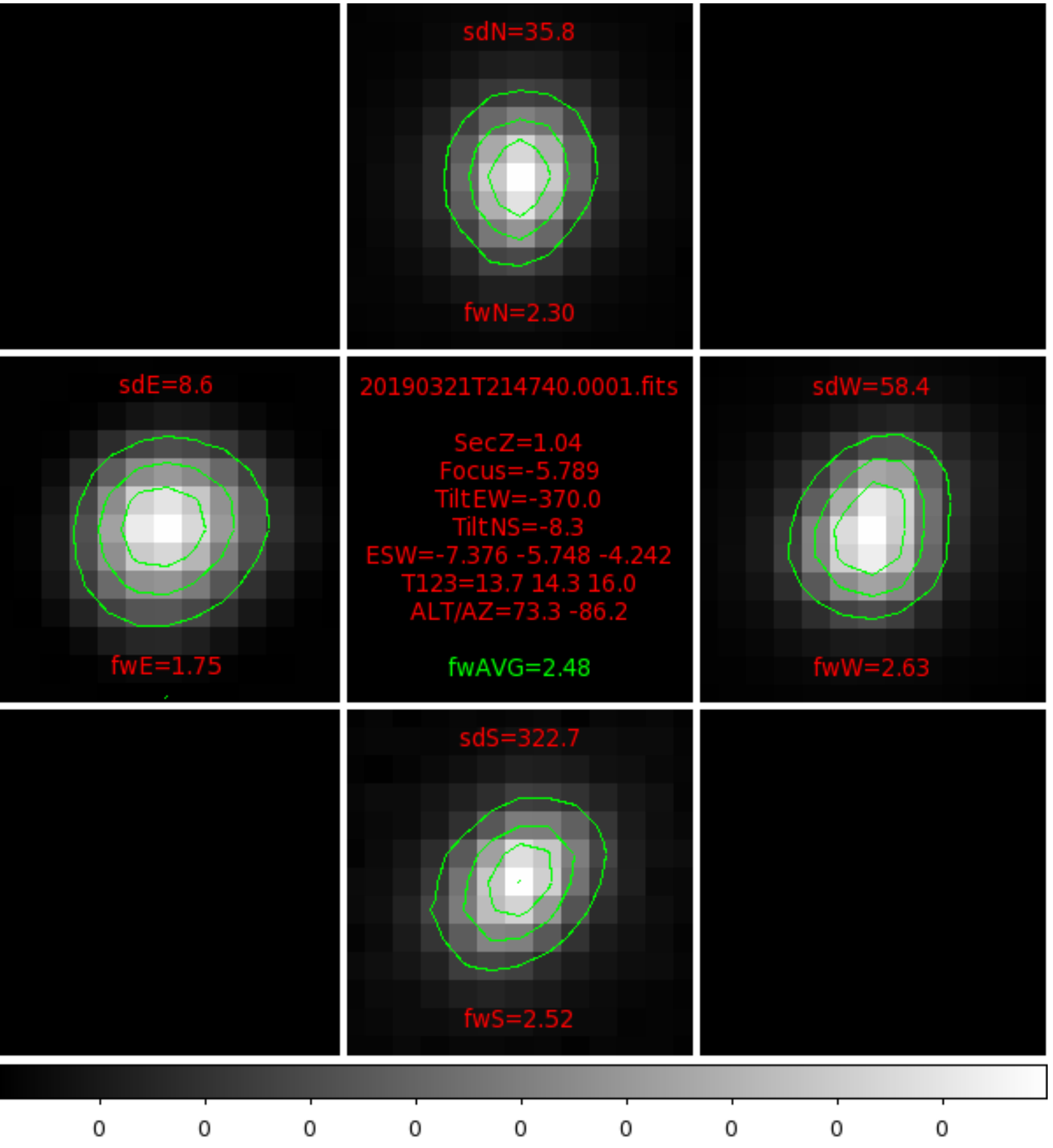
sdN=35.8
fwN=2.30
sdE=8.6
fwE=1.75
20190321T214740.0001.fits
SecZ=1.04
Focus=-5.789
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.376 -5.748 -4.242
T123=13.7 14.3 16.0
ALT/AZ=73.3 -86.2
fwAVG=2.48
sdW=58.4
fwW=2.63
sdS=322.7
fwS=2.52
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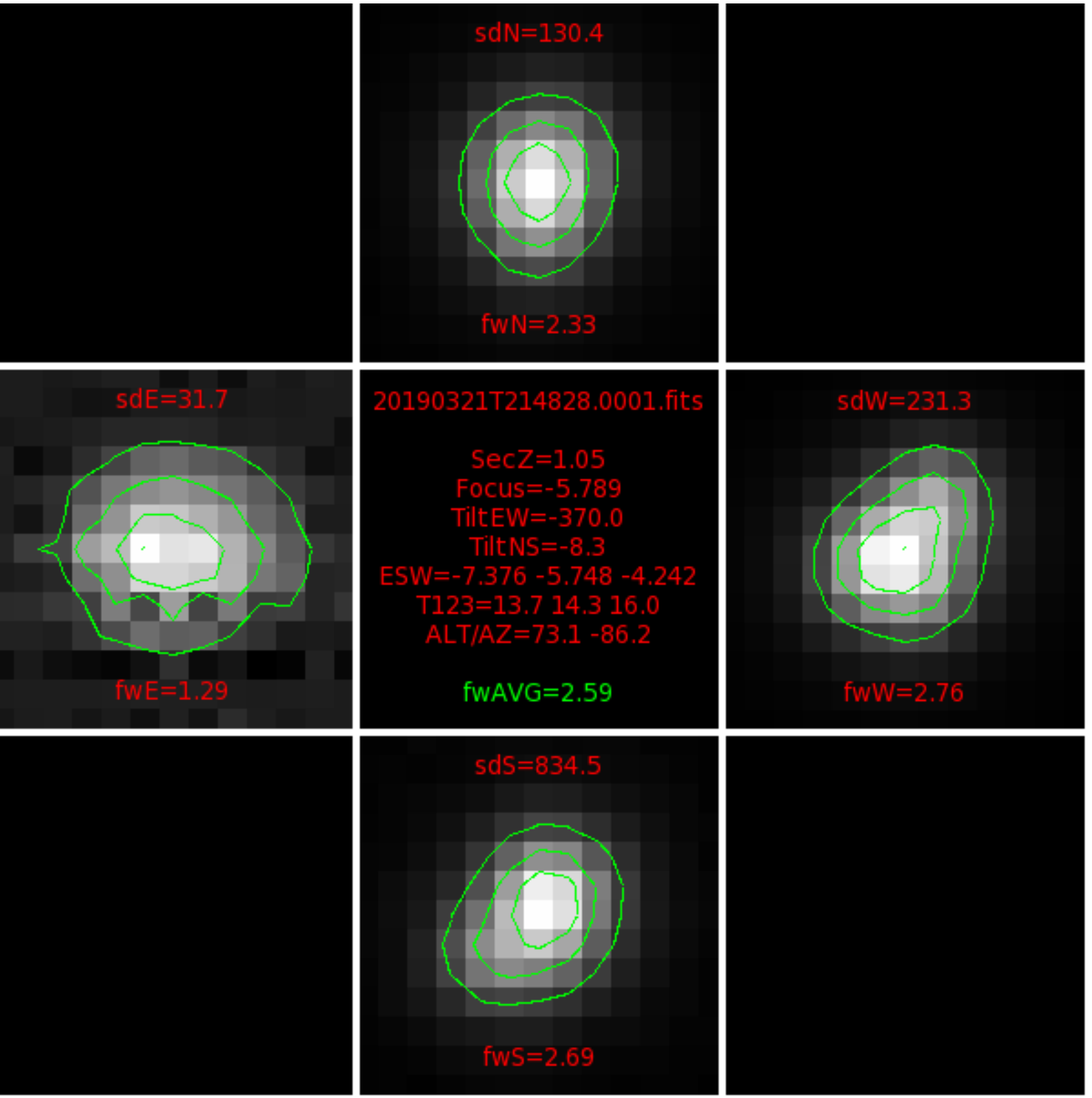
sdN=130.4
fwN=2.33
sdE=31.7
fwE=1.29
20190321T214828.0001.fits
SecZ=1.05
Focus=-5.789
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.376 -5.748 -4.242
T123=13.7 14.3 16.0
ALT/AZ=73.1 -86.2
fwAVG=2.59
sdW=231.3
fwW=2.76
sdS=834.5
fwS=2.69
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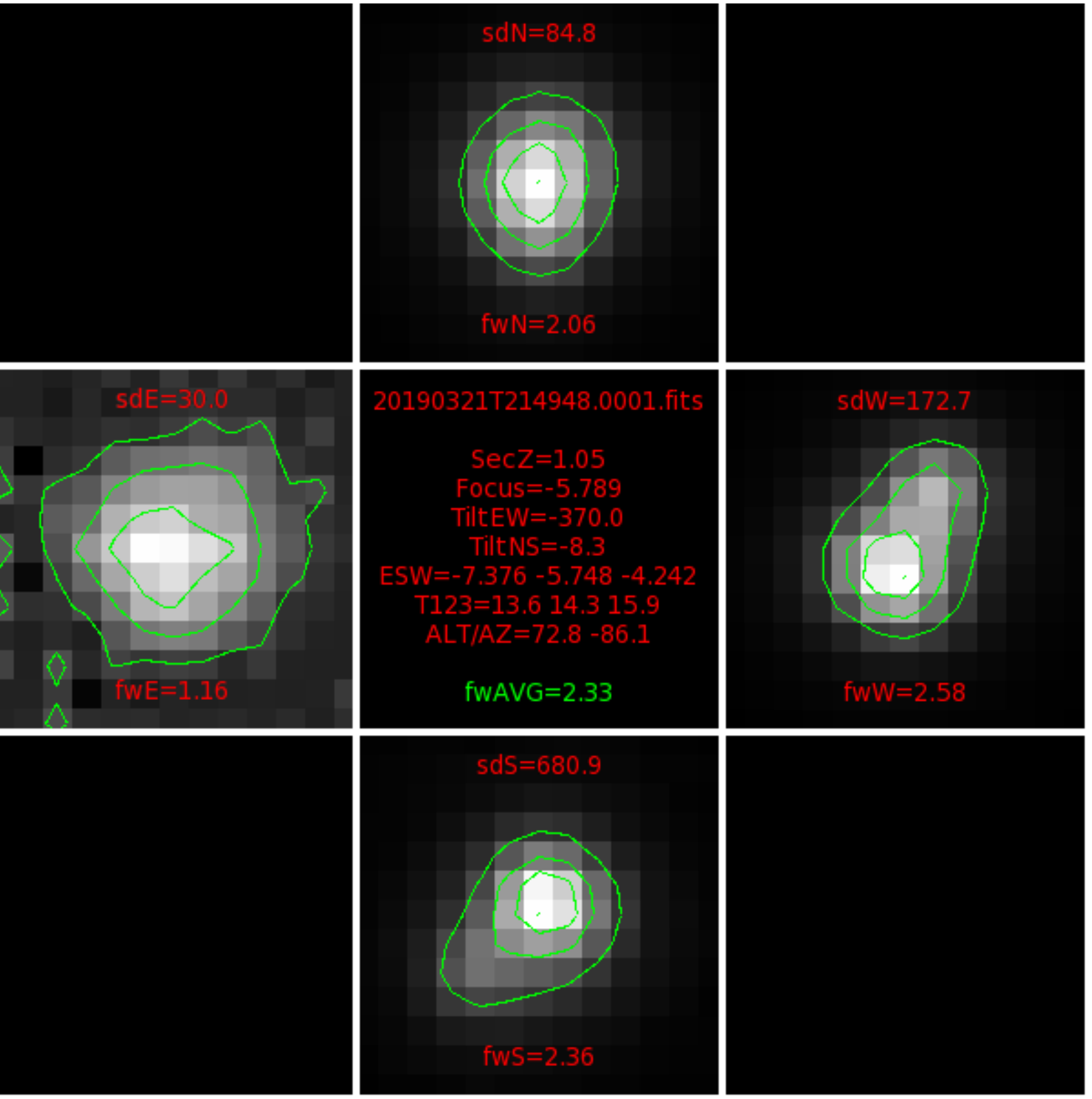
sdN=84.8
fwN=2.06
sdE=30.0
fwE=1.16
20190321T214948.0001.fits
SecZ=1.05
Focus=-5.789
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.376 -5.748 -4.242
T123=13.6 14.3 15.9
ALT/AZ=72.8 -86.1
fwAVG=2.33
sdW=172.7
fwW=2.58
sdS=680.9
fwS=2.36
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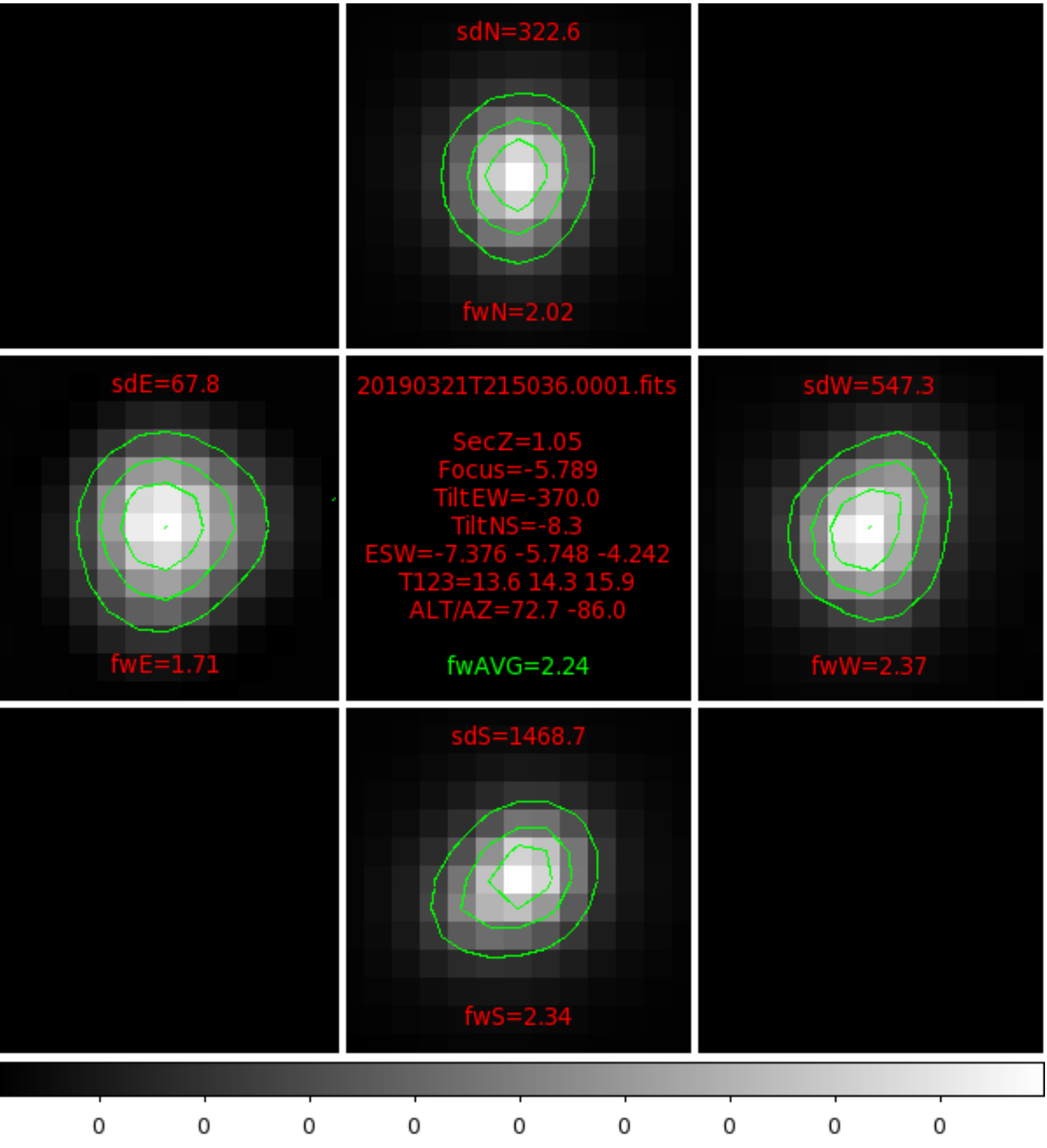
sdN=322.6
fwN=2.02
sdE=67.8
fwE=1.71
20190321T215036.0001.fits
SecZ=1.05
Focus=-5.789
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.376 -5.748 -4.242
T123=13.6 14.3 15.9
ALT/AZ=72.7 -86.0
fwAVG=2.24
sdW=547.3
fwW=2.37
sdS=1468.7
fwS=2.34
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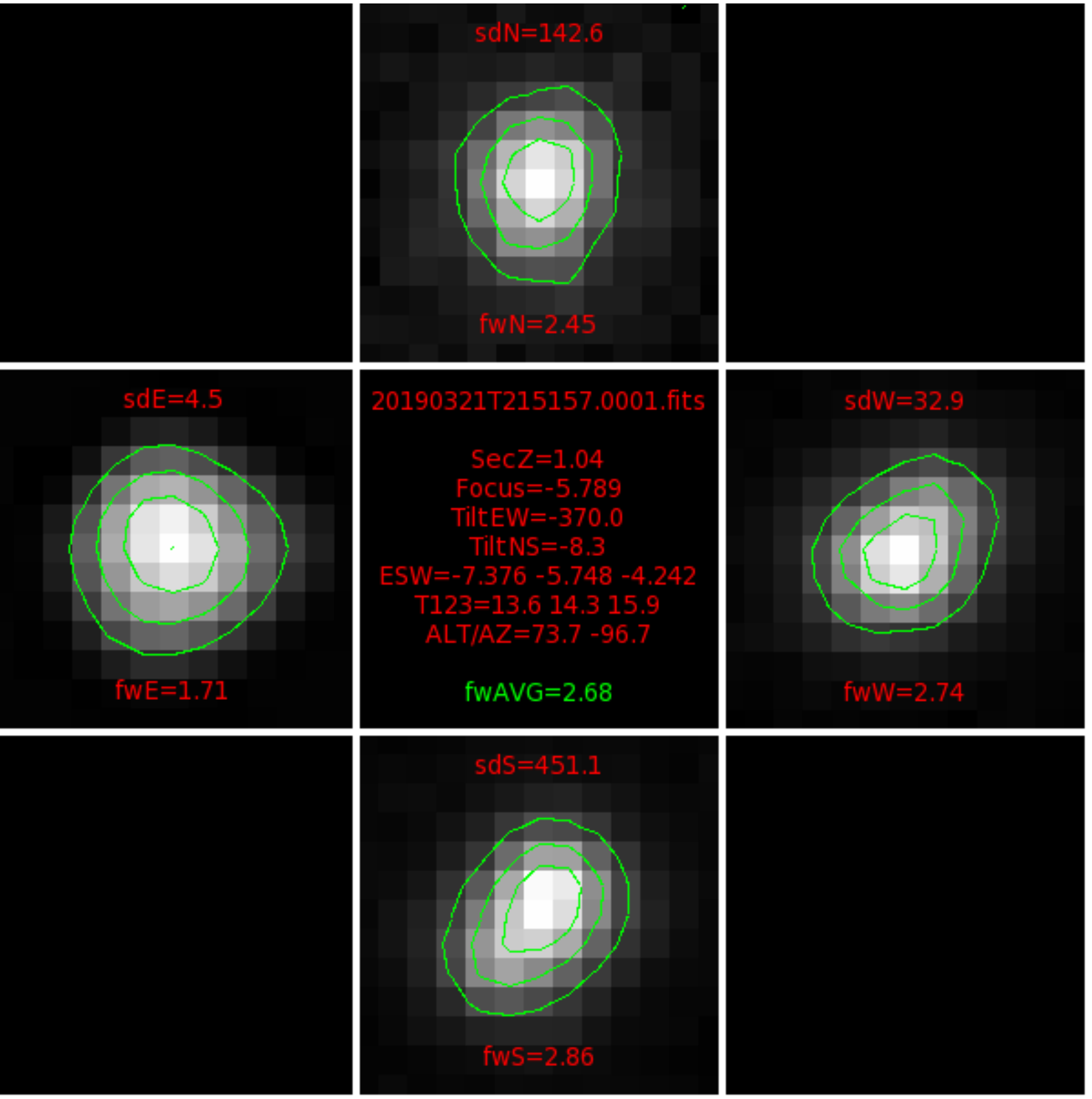
sdN=142.6
fwN=2.45
sdE=4.5
fwE=1.71
20190321T215157.0001.fits
SecZ=1.04
Focus=-5.789
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.376 -5.748 -4.242
T123=13.6 14.3 15.9
ALT/AZ=73.7 -96.7
fwAVG=2.68
sdW=32.9
fwW=2.74
sdS=451.1
fwS=2.86
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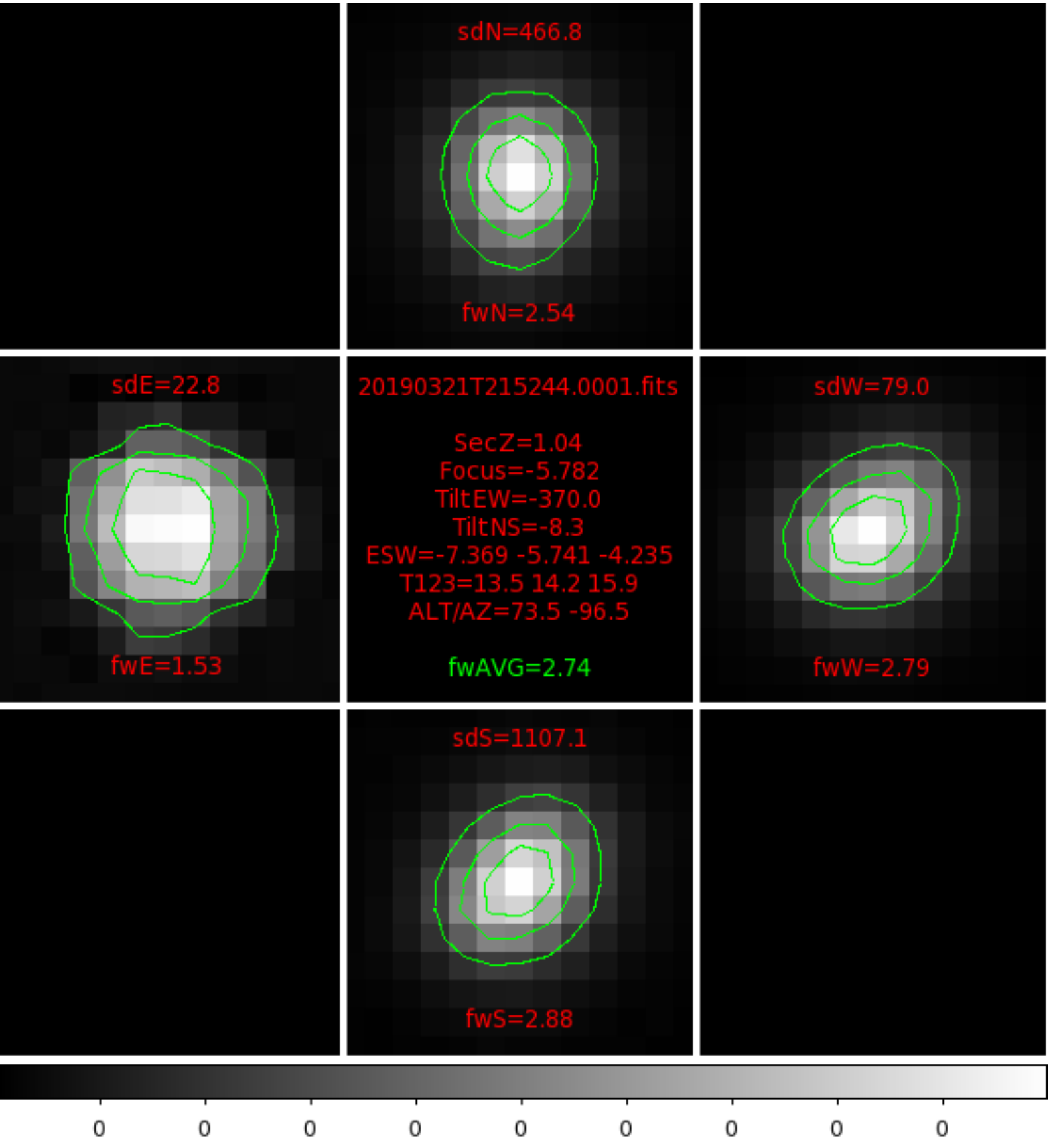
sdN=466.8
fwN=2.54
sdE=22.8
fwE=1.53
20190321T215244.0001.fits
SecZ=1.04
Focus=-5.782
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.369 -5.741 -4.235
T123=13.5 14.2 15.9
ALT/AZ=73.5 -96.5
fwAVG=2.74
sdW=79.0
fwW=2.79
sdS=1107.1
fwS=2.88
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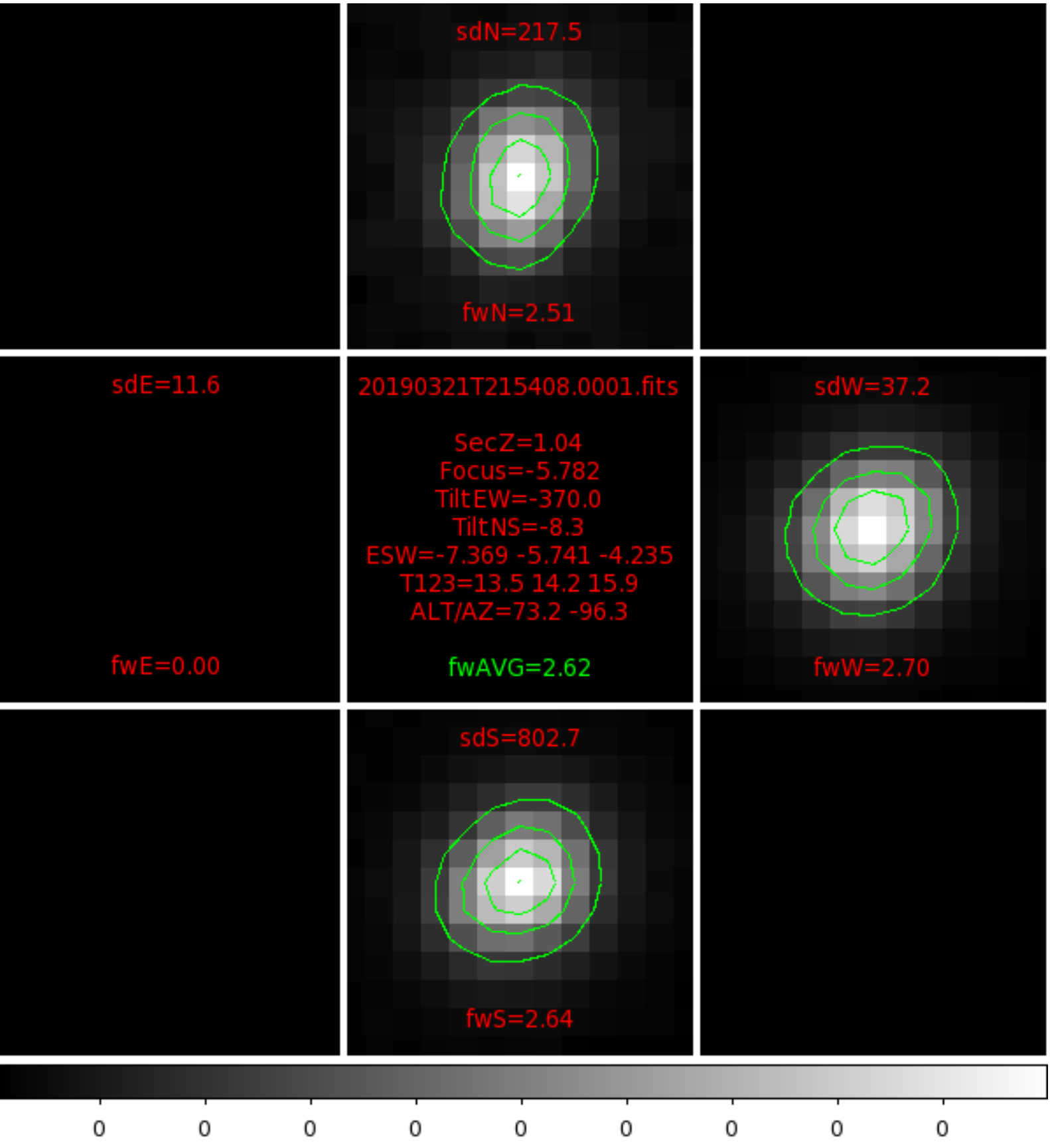
sdN=217.5
fwN=2.51
sdE=11.6
fwE=0.00
20190321T215408.0001.fits
SecZ=1.04
Focus=-5.782
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.369 -5.741 -4.235
T123=13.5 14.2 15.9
ALT/AZ=73.2 -96.3
fwAVG=2.62
sdW=37.2
fwW=2.70
sdS=802.7
fwS=2.64
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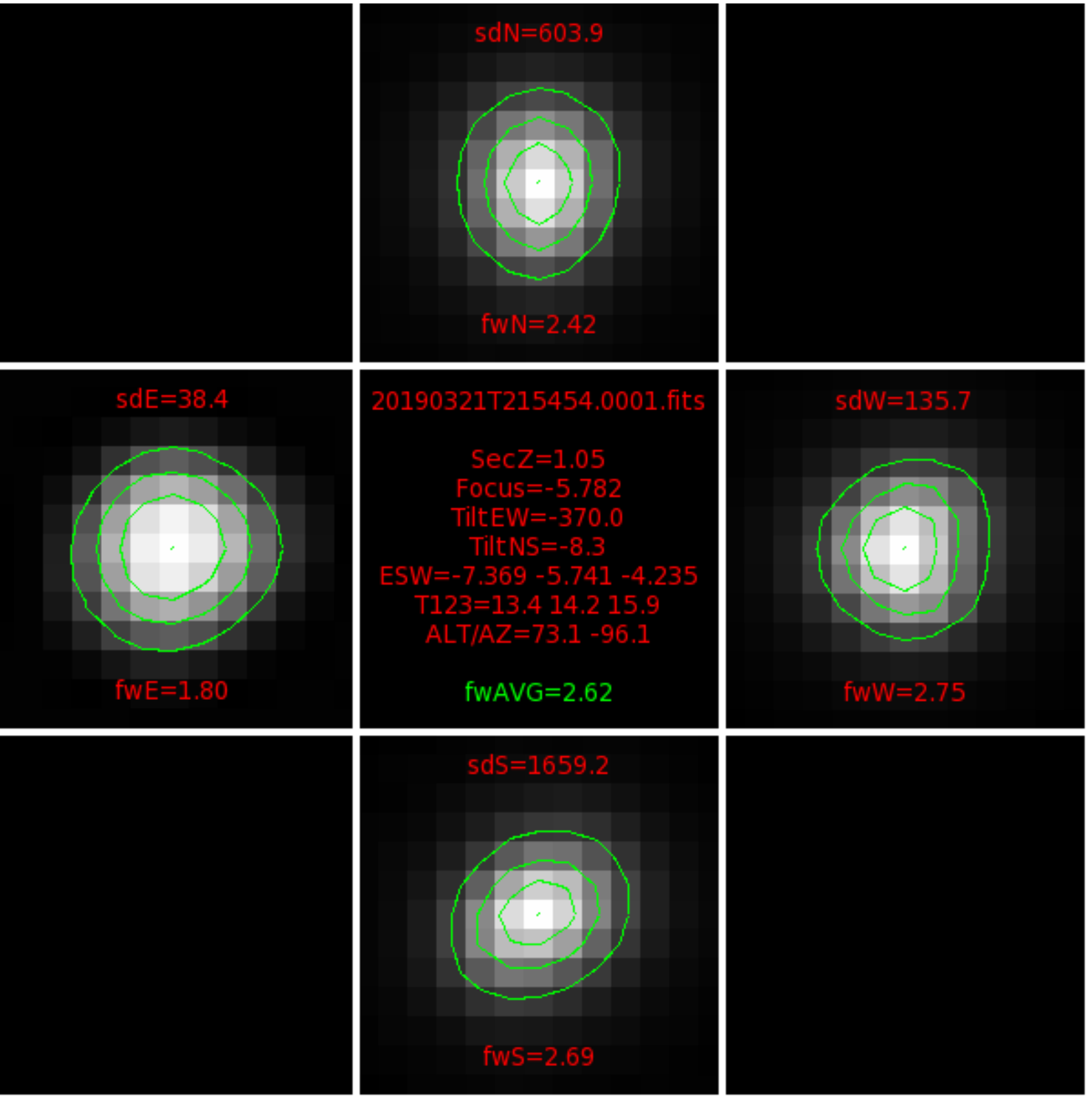
sdN=603.9
fwN=2.42
sdE=38.4
fwE=1.80
20190321T215454.0001.fits
SecZ=1.05
Focus=-5.782
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.369 -5.741 -4.235
T123=13.4 14.2 15.9
ALT/AZ=73.1 -96.1
fwAVG=2.62
sdW=135.7
fwW=2.75
sdS=1659.2
fwS=2.69
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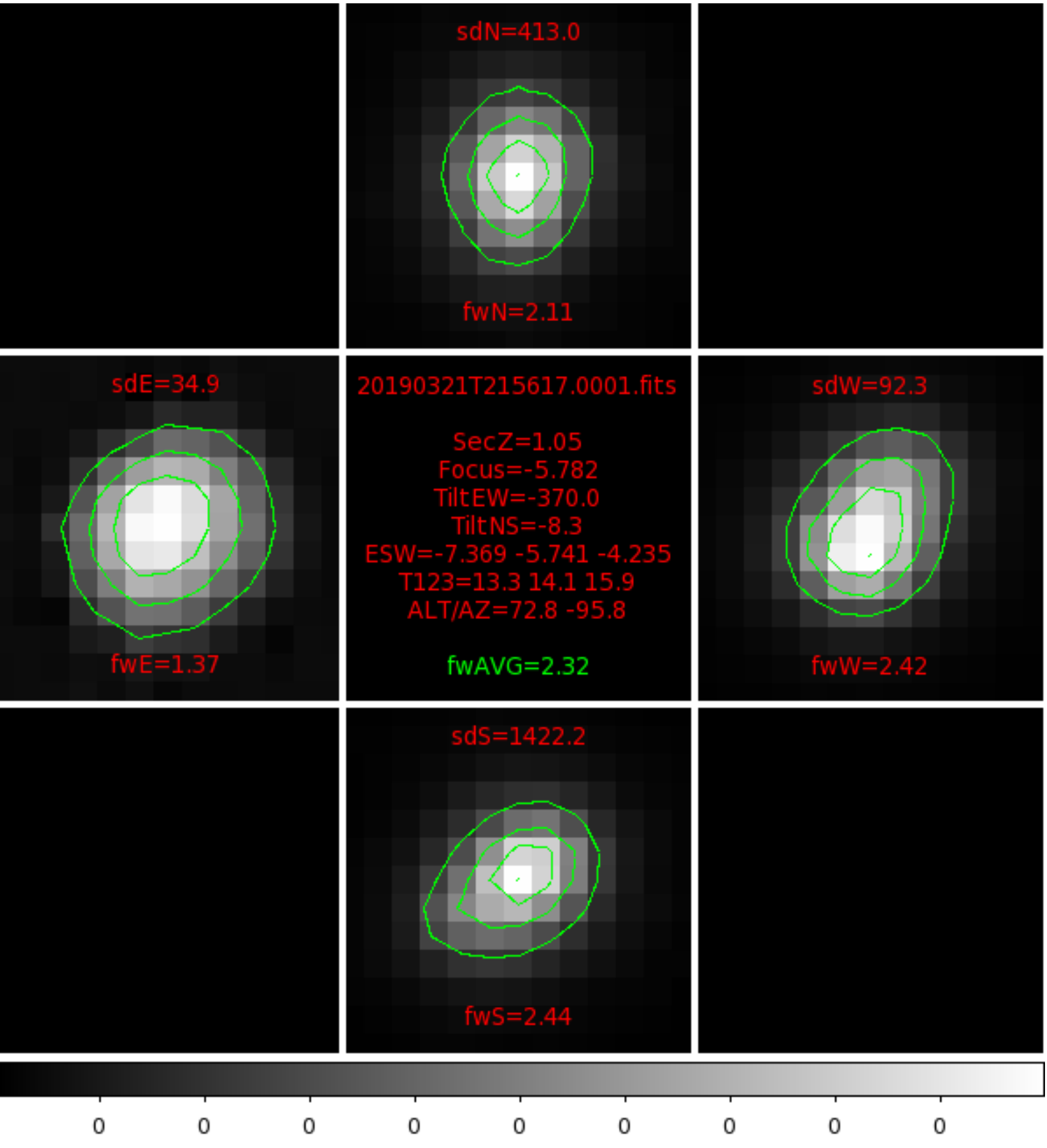
sdN=413.0
fwN=2.11
sdE=34.9
fwE=1.37
20190321T215617.0001.fits
SecZ=1.05
Focus=-5.782
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.369 -5.741 -4.235
T123=13.3 14.1 15.9
ALT/AZ=72.8 -95.8
fwAVG=2.32
sdW=92.3
fwW=2.42
sdS=1422.2
fwS=2.44
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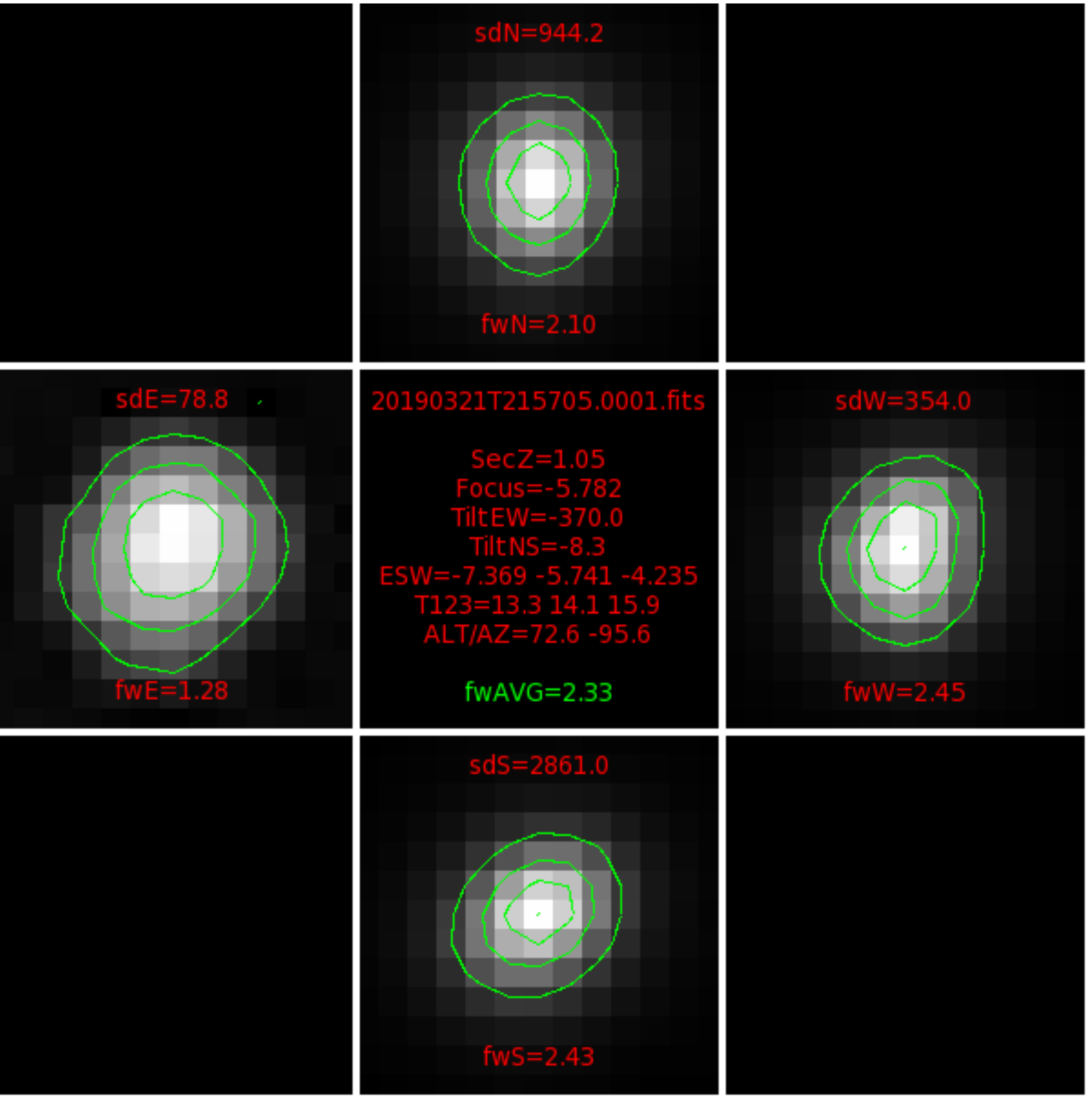
sdN=944.2
fwN=2.10
sdE=78.8
fwE=1.28
20190321T215705.0001.fits
SecZ=1.05
Focus=-5.782
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.369 -5.741 -4.235
T123=13.3 14.1 15.9
ALT/AZ=72.6 -95.6
fwAVG=2.33
sdW=354.0
fwW=2.45
sdS=2861.0
fwS=2.43
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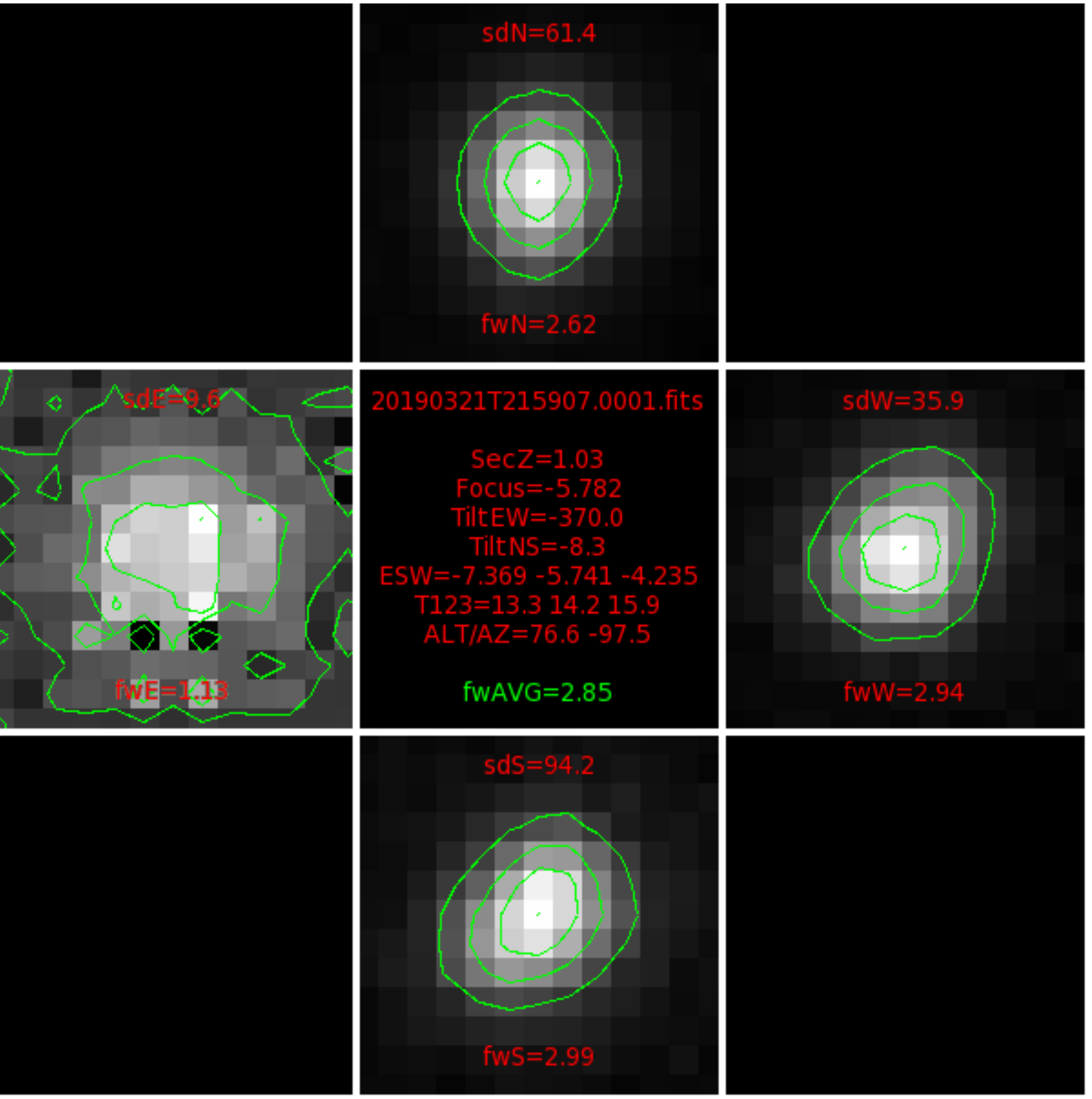
sdN=61.4
fwN=2.62
sdE=9.6
fwE=1.13
20190321T215907.0001.fits
SecZ=1.03
Focus=-5.782
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.369 -5.741 -4.235
T123=13.3 14.2 15.9
ALT/AZ=76.6 -97.5
fwAVG=2.85
sdW=35.9
fwW=2.94
sdS=94.2
fwS=2.99
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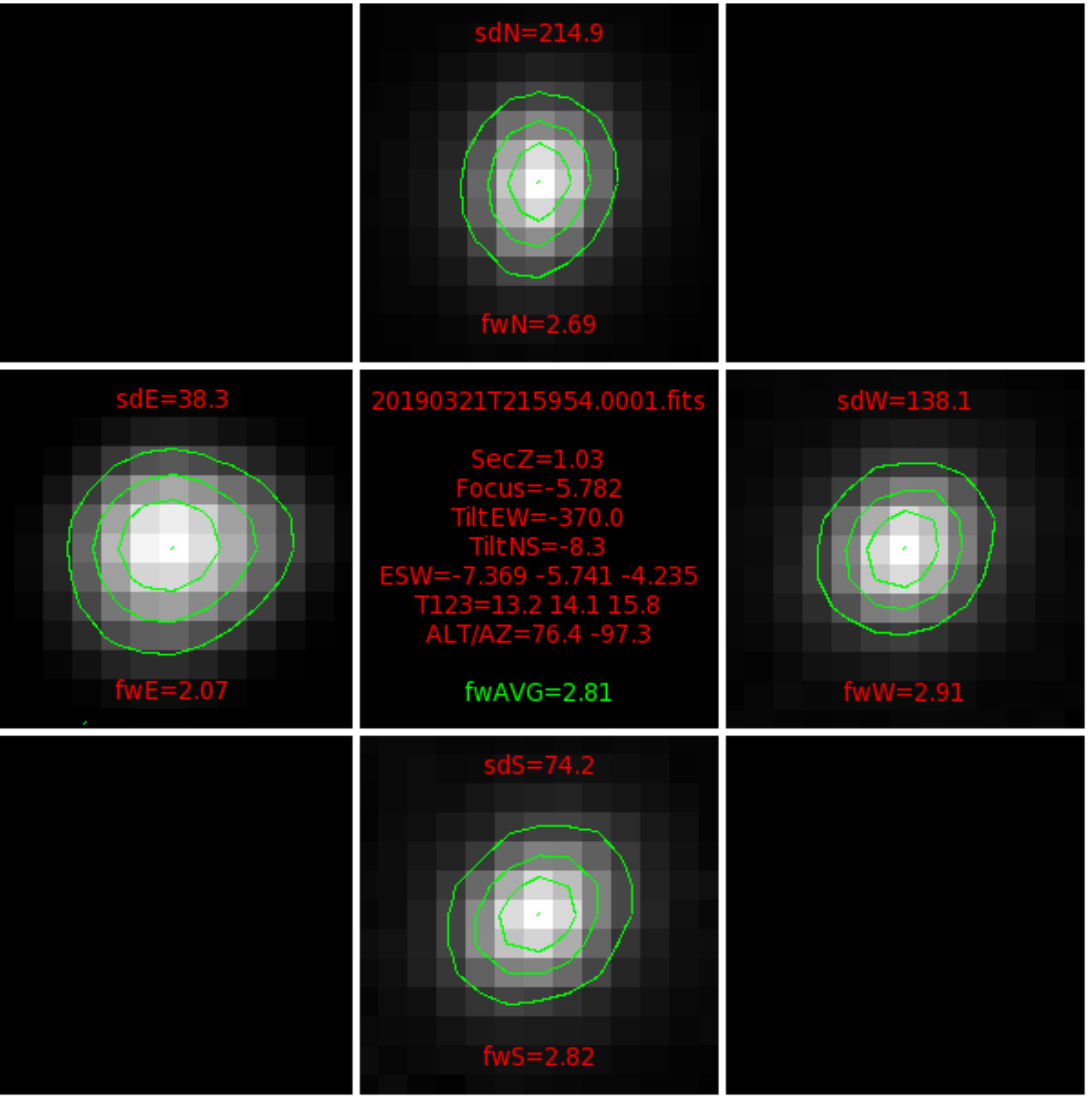
sdN=214.9
fwN=2.69
sdE=38.3
fwE=2.07
20190321T215954.0001.fits
SecZ=1.03
Focus=-5.782
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.369 -5.741 -4.235
T123=13.2 14.1 15.8
ALT/AZ=76.4 -97.3
fwAVG=2.81
sdW=138.1
fwW=2.91
sdS=74.2
fwS=2.82
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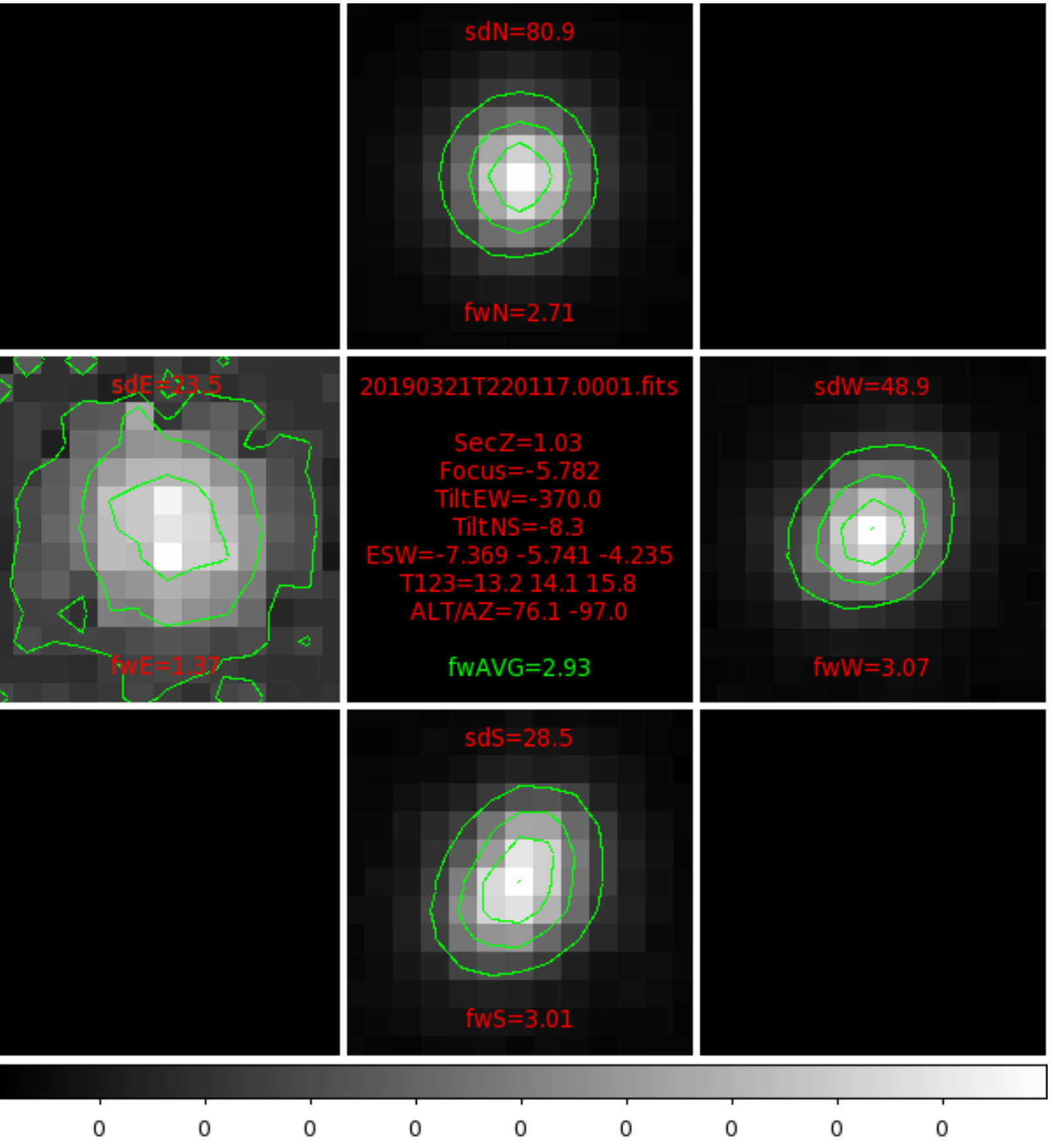
sdN=80.9
fwN=2.71
sdE=23.5
fwE=1.37
20190321T220117.0001.fits
SecZ=1.03
Focus=-5.782
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.369 -5.741 -4.235
T123=13.2 14.1 15.8
ALT/AZ=76.1 -97.0
fwAVG=2.93
sdW=48.9
fwW=3.07
sdS=28.5
fwS=3.01
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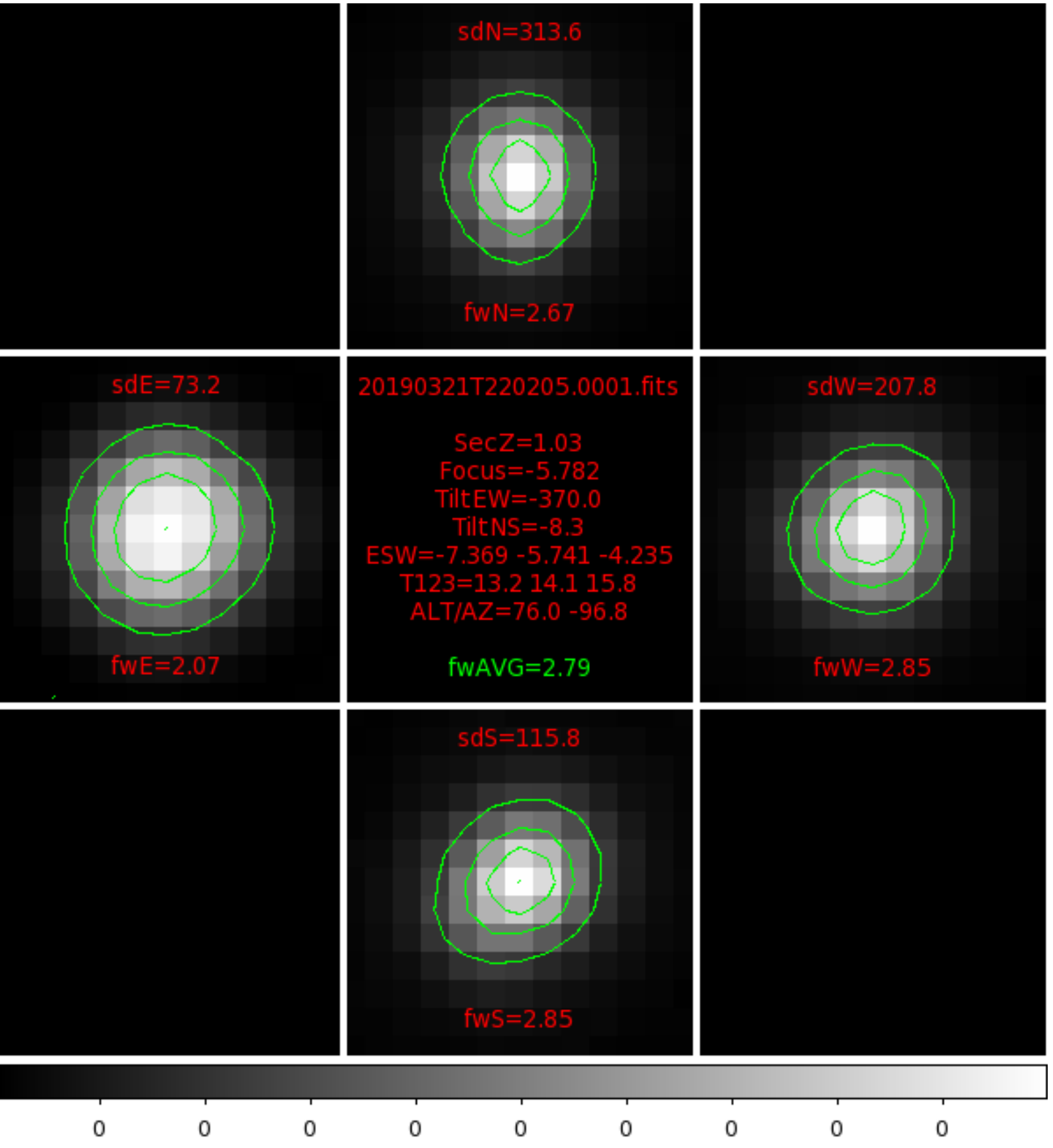
sdN=313.6
fwN=2.67
sdE=73.2
fwE=2.07
20190321T220205.0001.fits
SecZ=1.03
Focus=-5.782
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.369 -5.741 -4.235
T123=13.2 14.1 15.8
ALT/AZ=76.0 -96.8
fwAVG=2.79
sdW=207.8
fwW=2.85
sdS=115.8
fwS=2.85
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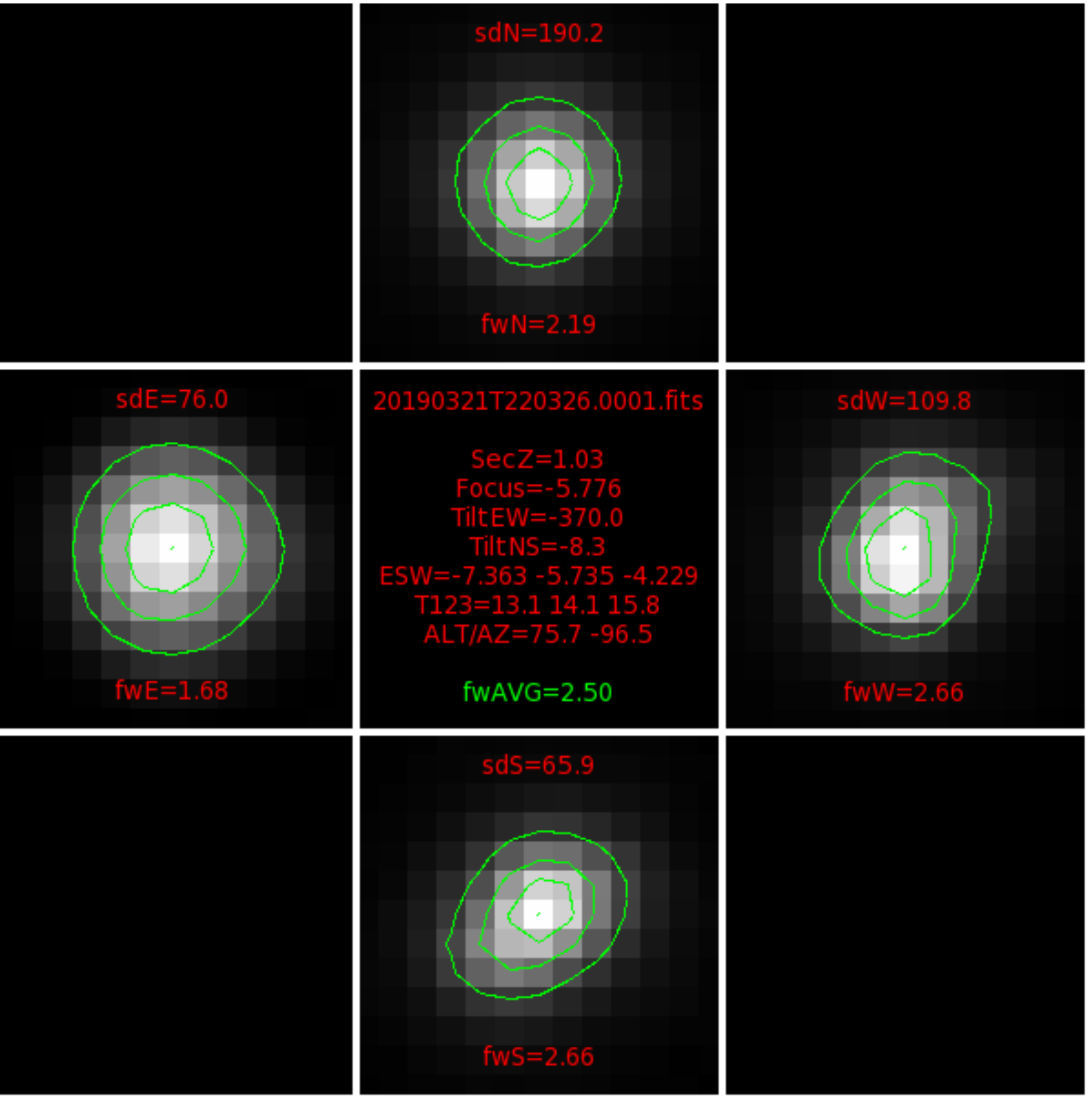
sdN=190.2
fwN=2.19
sdE=76.0
fwE=1.68
20190321T220326.0001.fits
SecZ=1.03
Focus=-5.776
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.363 -5.735 -4.229
T123=13.1 14.1 15.8
ALT/AZ=75.7 -96.5
fwAVG=2.50
sdW=109.8
fwW=2.66
sdS=65.9
fwS=2.66
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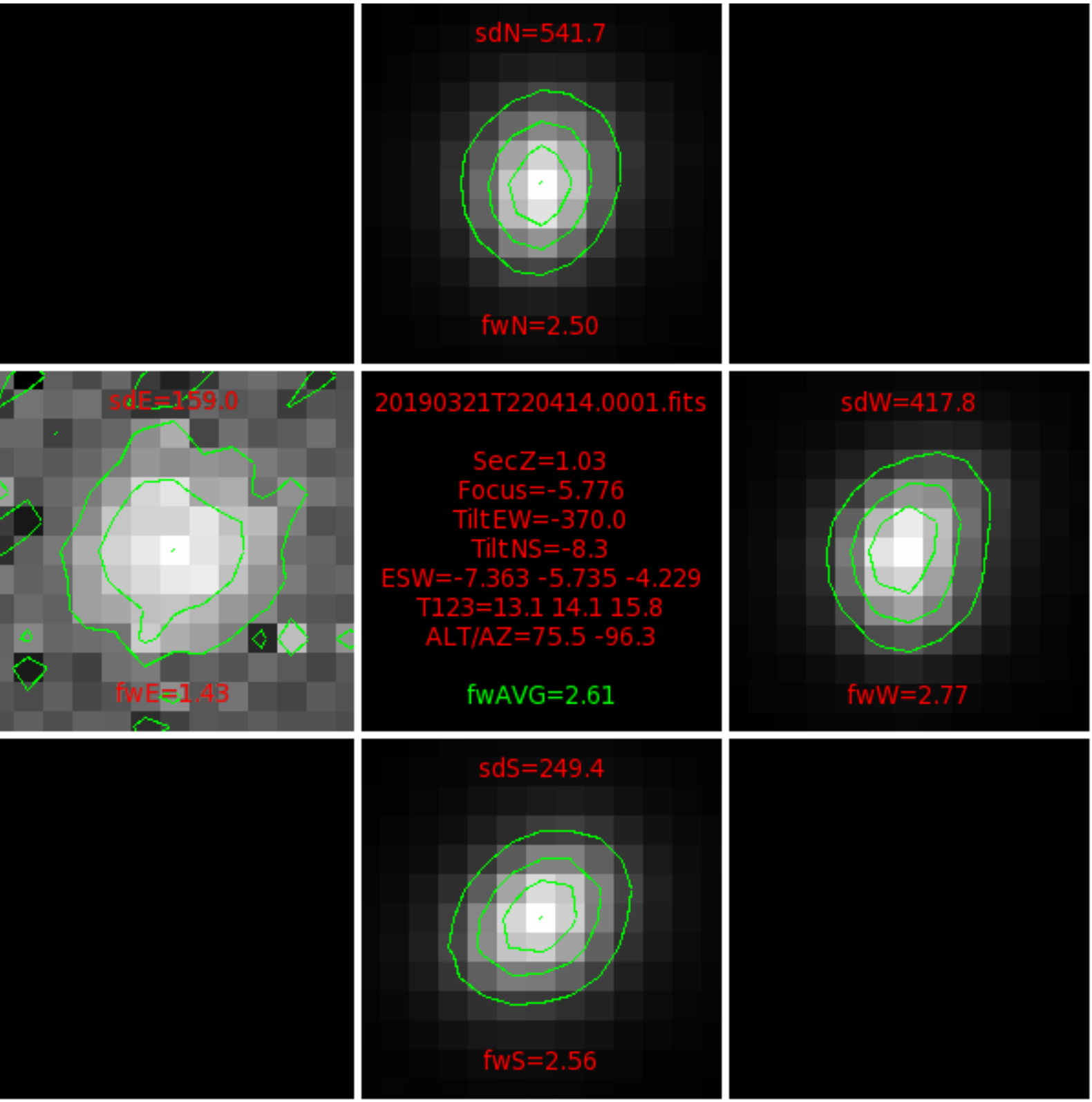
sdN=541.7
fwN=2.50
sdE=159.0
fwE=1.43
20190321T220414.0001.fits
SecZ=1.03
Focus=-5.776
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.363 -5.735 -4.229
T123=13.1 14.1 15.8
ALT/AZ=75.5 -96.3
fwAVG=2.61
sdW=417.8
fwW=2.77
sdS=249.4
fwS=2.56
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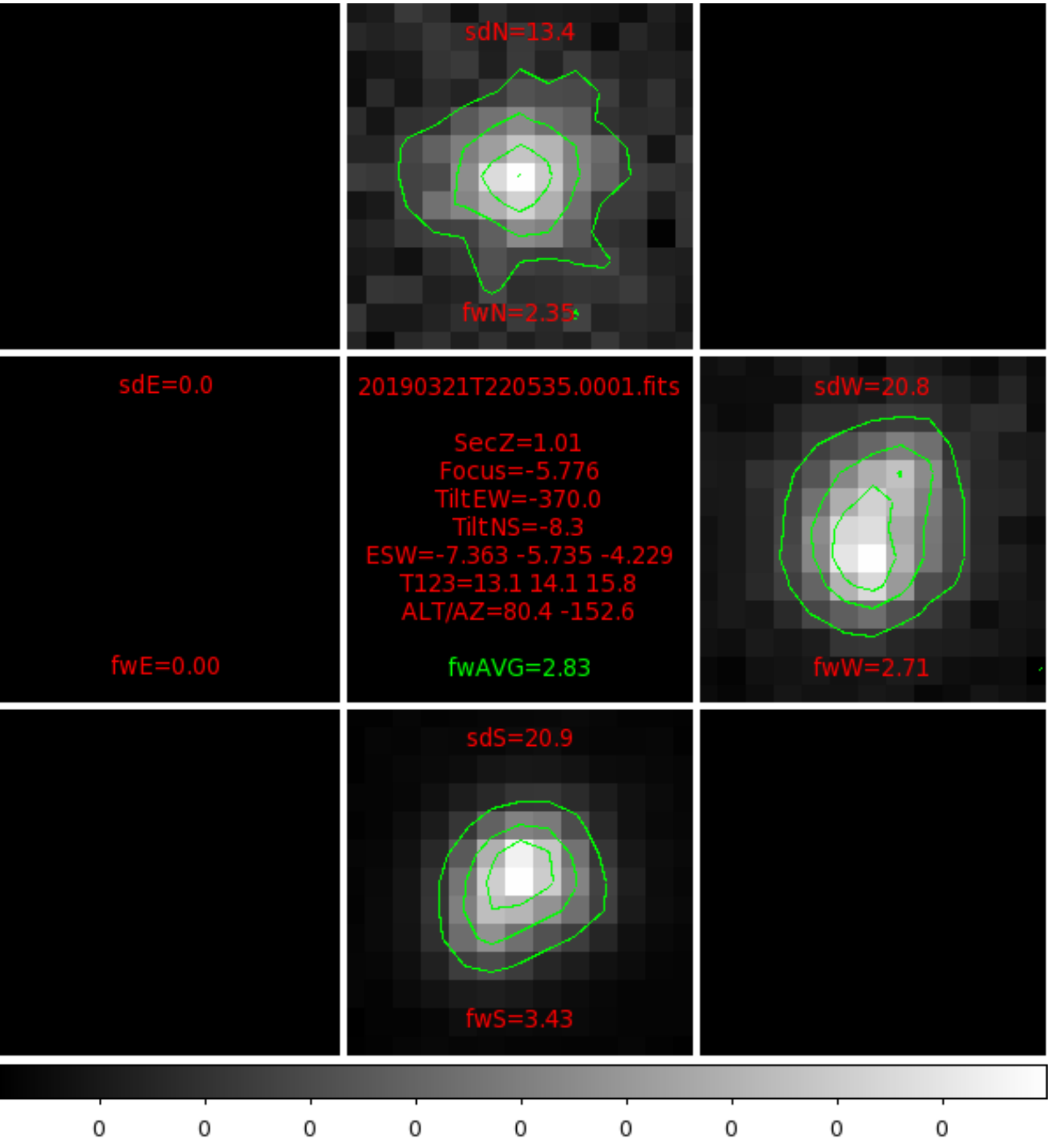
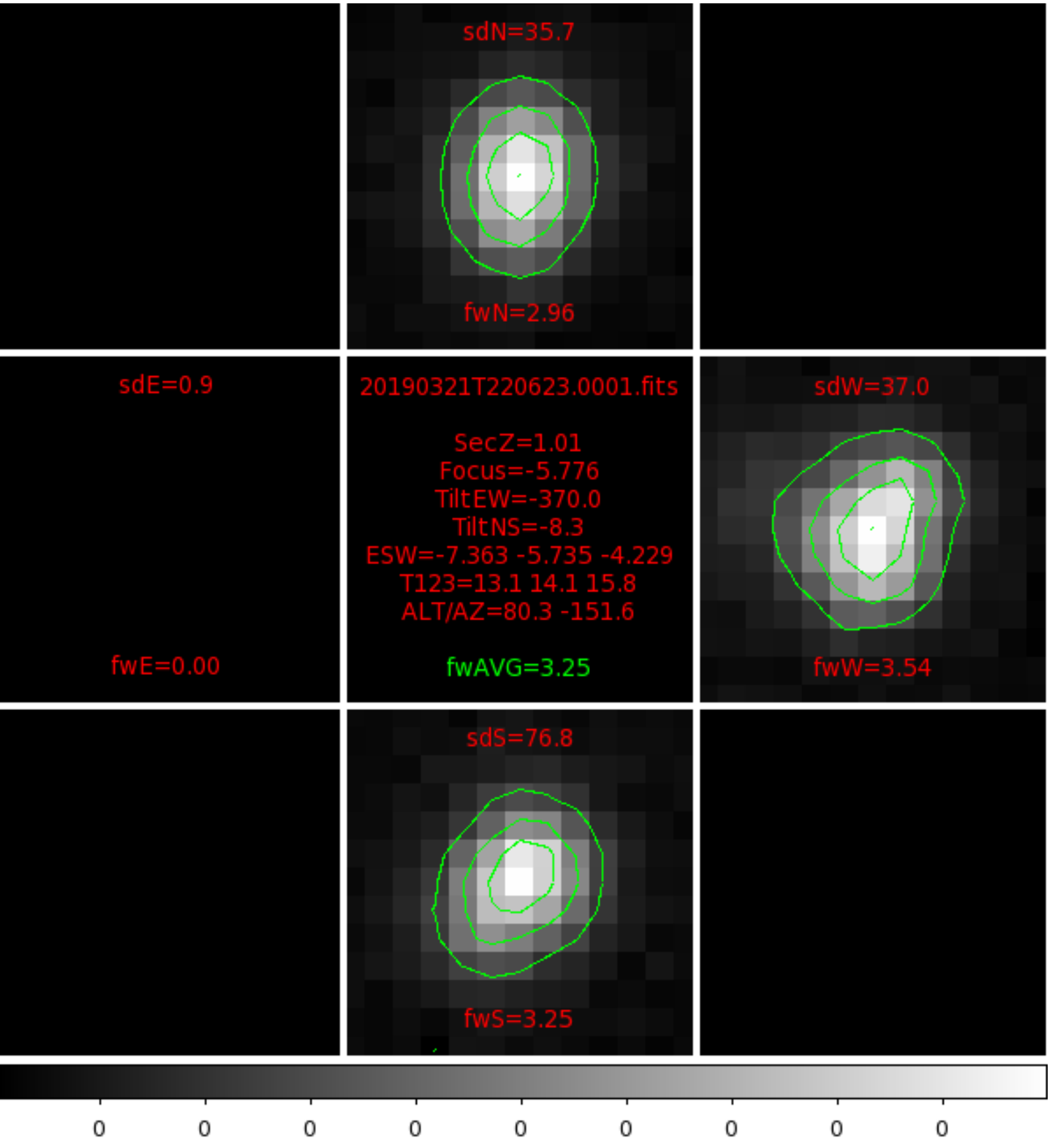

sdN=13.4
fwN=2.35
sdE=0.0
20190321T220535.0001.fits
SecZ=1.01
Focus=-5.776
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.363 -5.735 -4.229
T123=13.1 14.1 15.8
ALT/AZ=80.4 -152.6
fwAVG=2.83
sdW=20.8
fwE=0.00
fwW=2.71
sdS=20.9
fwS=3.43
0 0 0 0 0 0 0 0 0


sdN=35.7
fwN=2.96
sdE=0.9
fwE=0.00
20190321T220623.0001.fits
SecZ=1.01
Focus=-5.776
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.363 -5.735 -4.229
T123=13.1 14.1 15.8
ALT/AZ=80.3 -151.6
fwAVG=3.25
sdW=37.0
fwW=3.54
sdS=76.8
fwS=3.25
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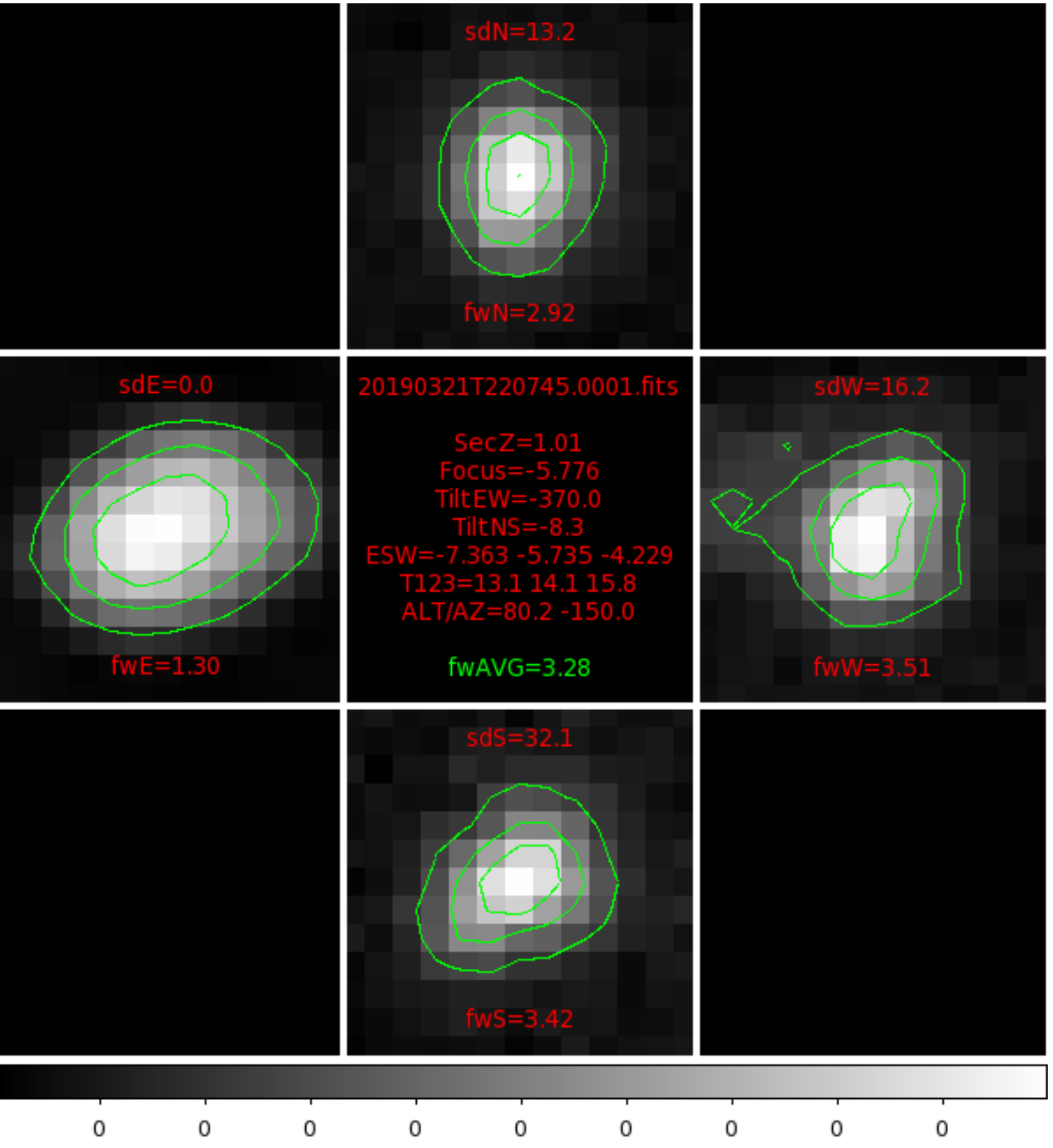
sdN=13.2
fwN=2.92
sdE=0.0
fwE=1.30
20190321T220745.0001.fits
SecZ=1.01
Focus=-5.776
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.363 -5.735 -4.229
T123=13.1 14.1 15.8
ALT/AZ=80.2 -150.0
fwAVG=3.28
sdW=16.2
fwW=3.51
sdS=32.1
fwS=3.42
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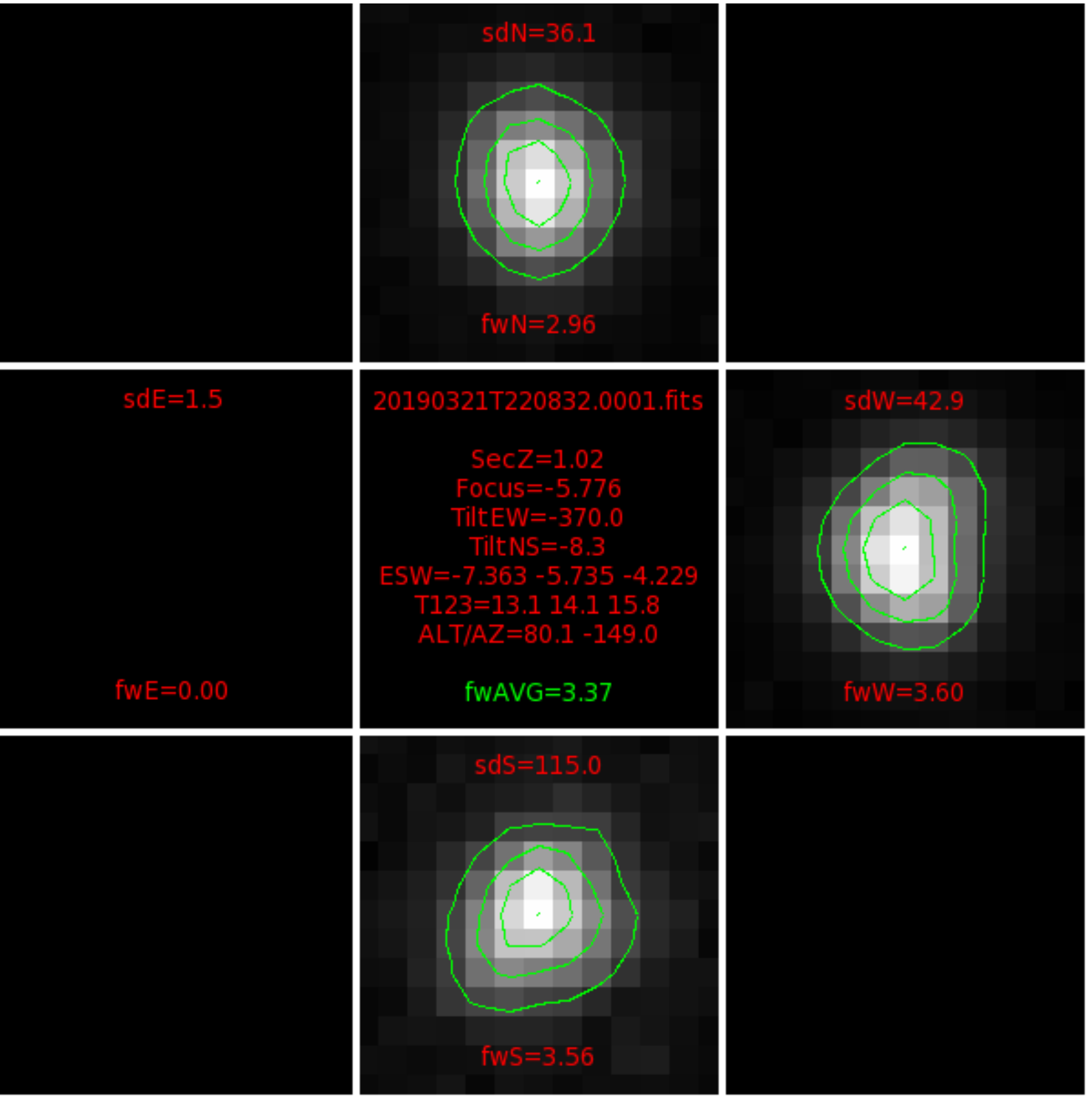
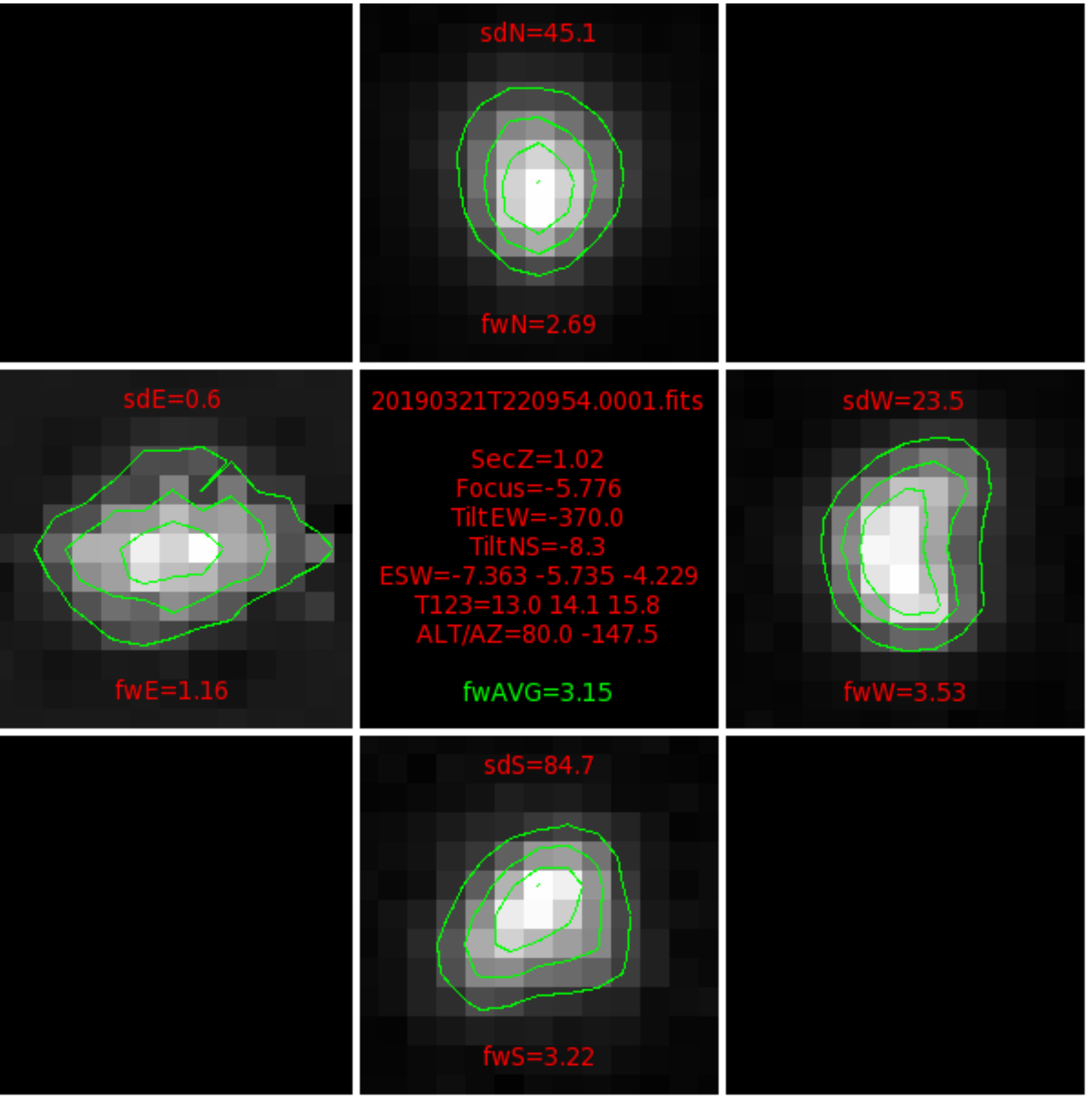

sdN=36.1
fwN=2.96
sdE=1.5
fwE=0.00
20190321T220832.0001.fits
SecZ=1.02
Focus=-5.776
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.363 -5.735 -4.229
T123=13.1 14.1 15.8
ALT/AZ=80.1 -149.0
fwAVG=3.37
sdW=42.9
fwW=3.60
sdS=115.0
fwS=3.56
0 0 0 0 0 0 0 0 0


sdN=45.1
fwN=2.69
sdE=0.6
fwE=1.16
20190321T220954.0001.fits
SecZ=1.02
Focus=-5.776
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.363 -5.735 -4.229
T123=13.0 14.1 15.8
ALT/AZ=80.0 -147.5
fwAVG=3.15
sdW=23.5
fwW=3.53
sdS=84.7
fwS=3.22
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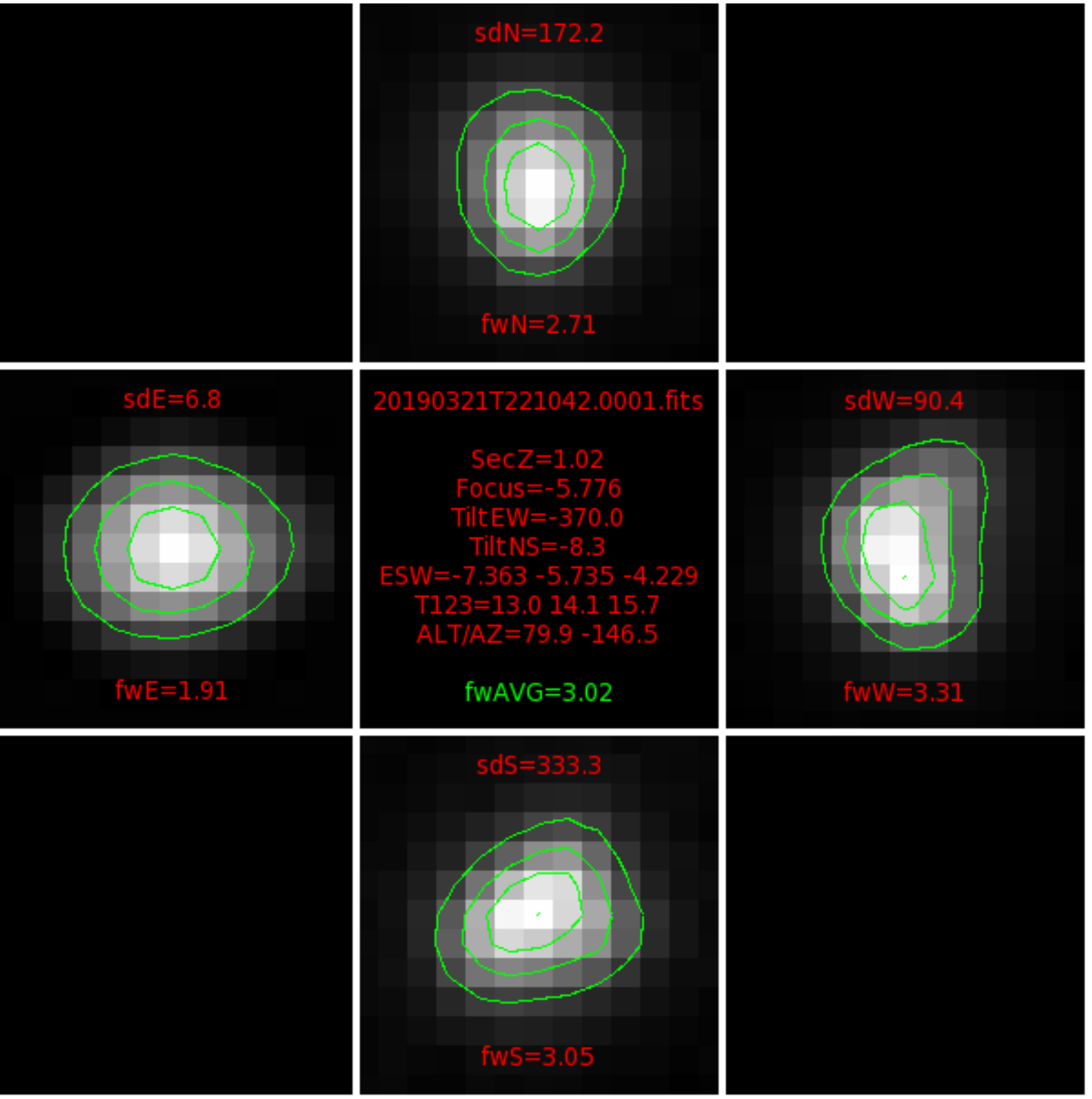
sdN=172.2
fwN=2.71
sdE=6.8
fwE=1.91
20190321T221042.0001.fits
SecZ=1.02
Focus=-5.776
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.363 -5.735 -4.229
T123=13.0 14.1 15.7
ALT/AZ=79.9 -146.5
fwAVG=3.02
sdW=90.4
fwW=3.31
sdS=333.3
fwS=3.05
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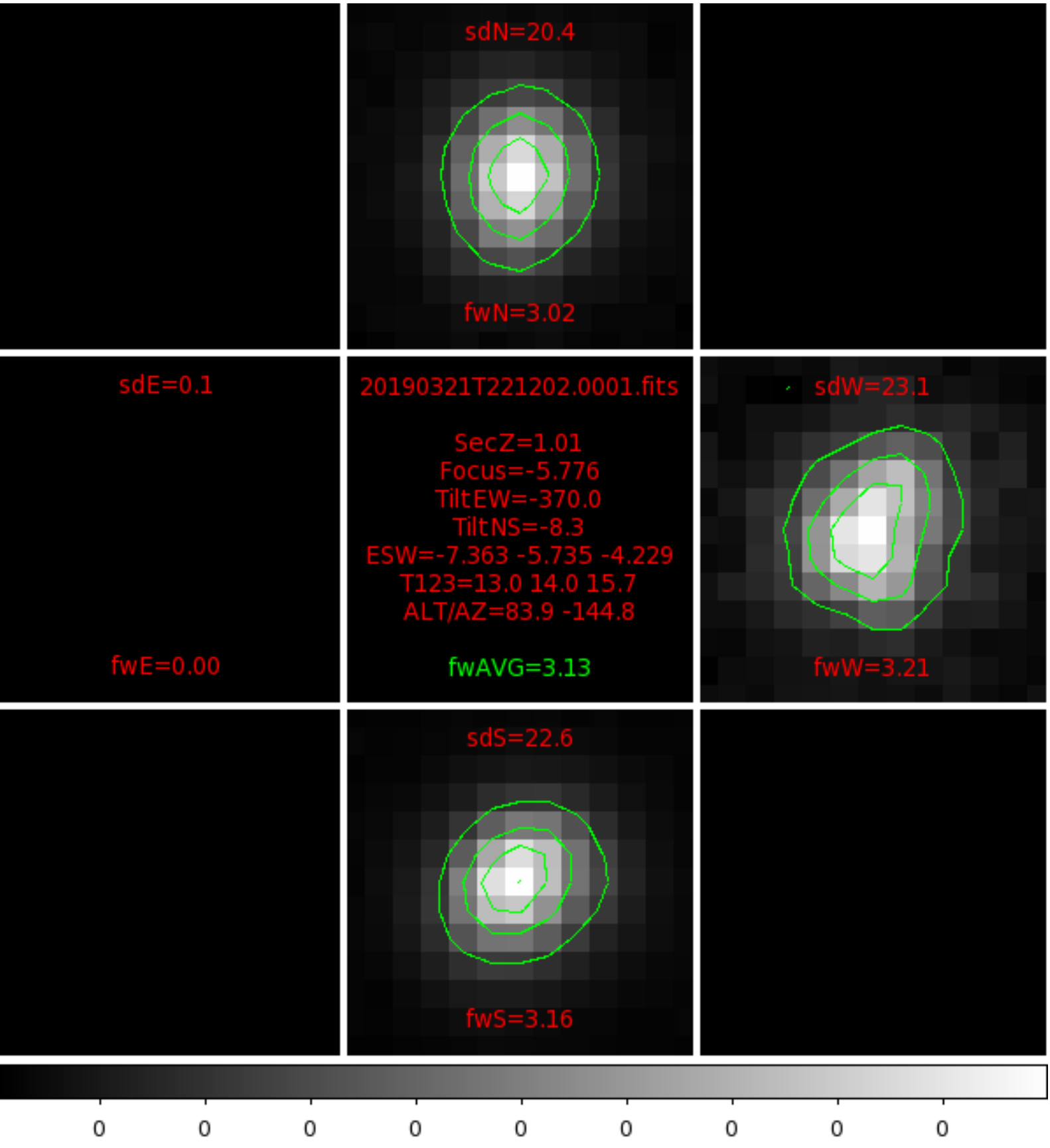
sdN=20.4
fwN=3.02
sdE=0.1
fwE=0.00
20190321T221202.0001.fits
SecZ=1.01
Focus=-5.776
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.363 -5.735 -4.229
T123=13.0 14.0 15.7
ALT/AZ=83.9 -144.8
fwAVG=3.13
sdW=23.1
fwW=3.21
sdS=22.6
fwS=3.16
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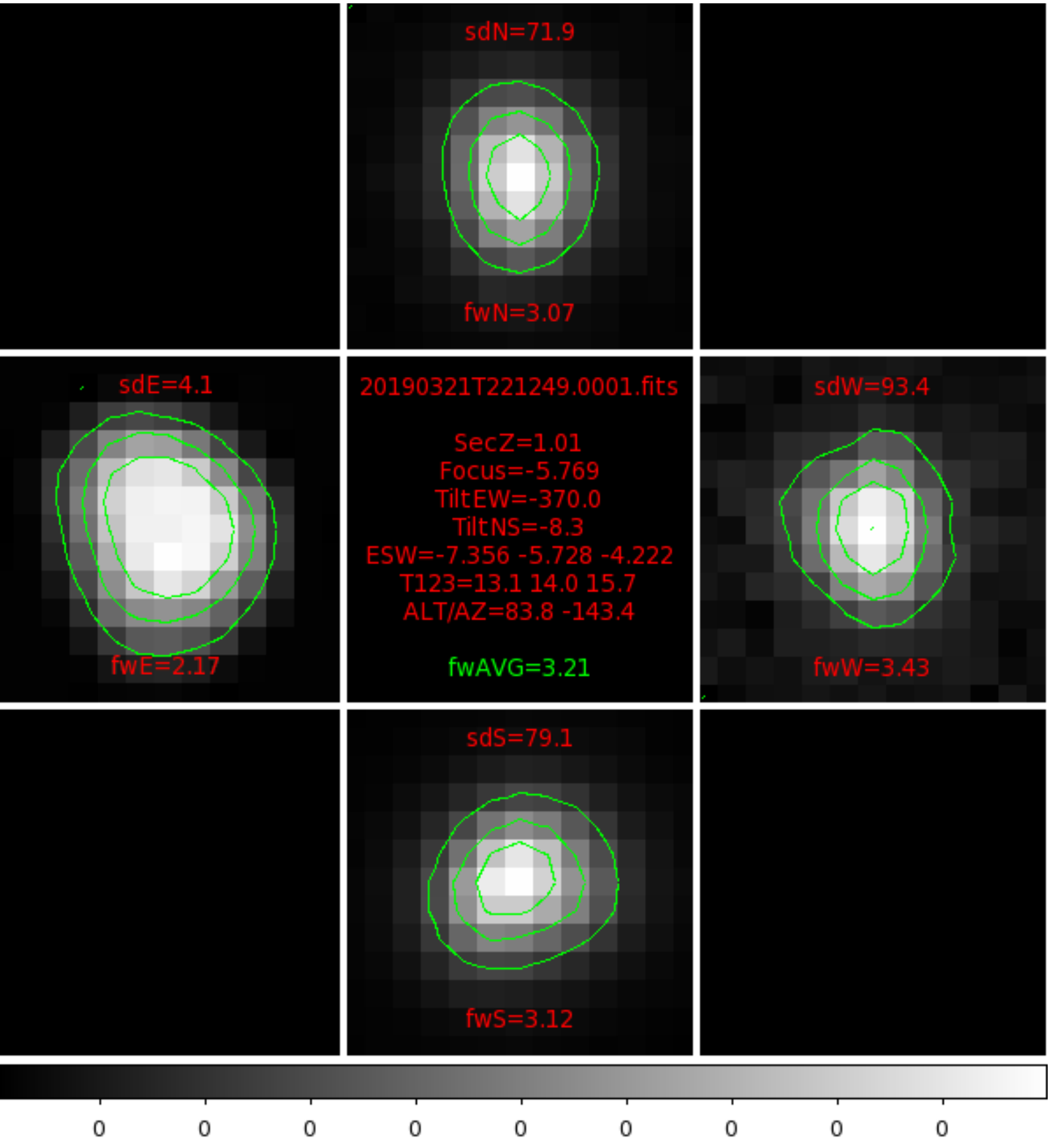
sdN=71.9
fwN=3.07
sdE=4.1
fwE=2.17
20190321T221249.0001.fits
SecZ=1.01
Focus=-5.769
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.356 -5.728 -4.222
T123=13.1 14.0 15.7
ALT/AZ=83.8 -143.4
fwAVG=3.21
sdW=93.4
fwW=3.43
sdS=79.1
fwS=3.12
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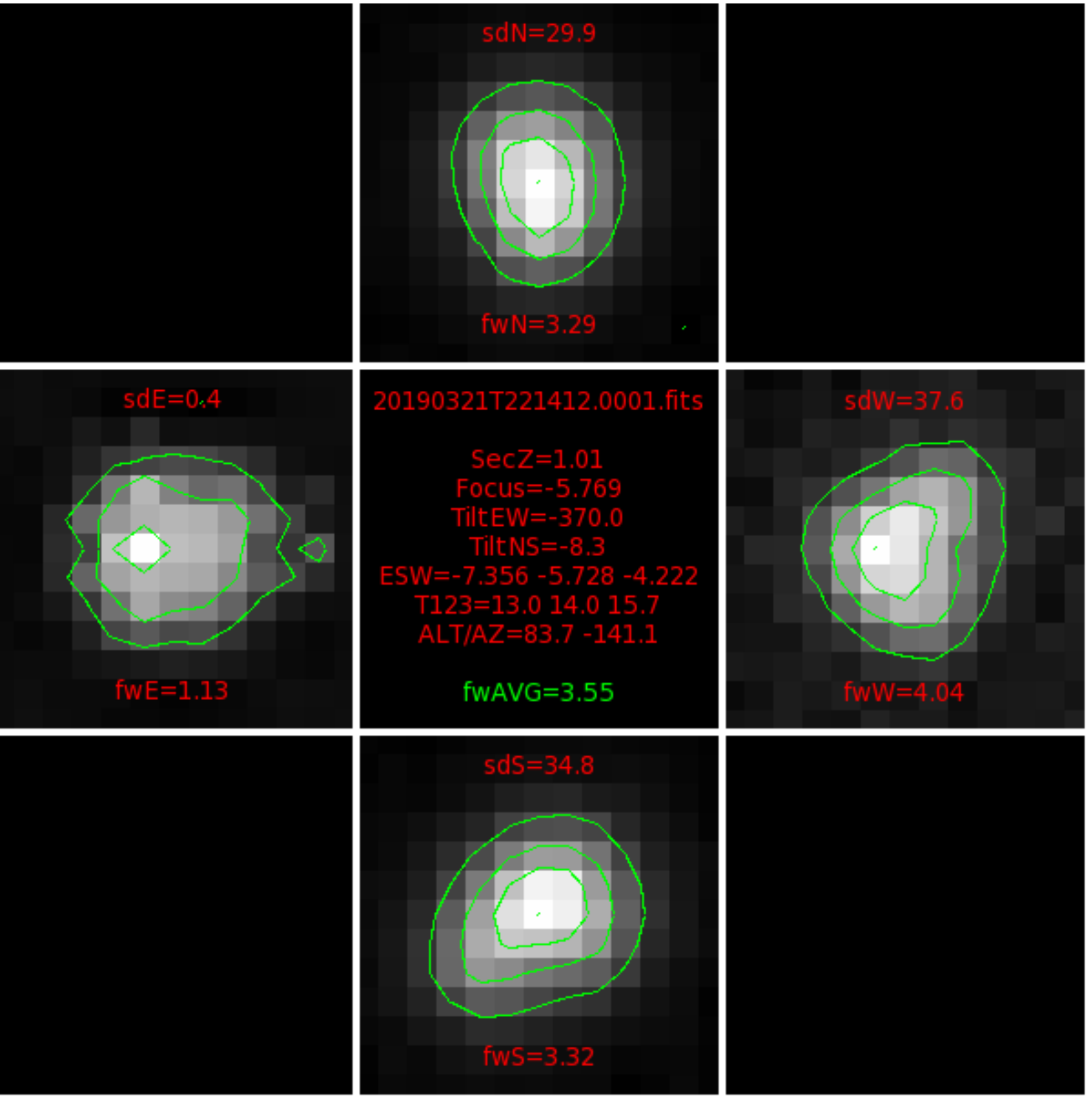
sdN=29.9
fwN=3.29
sdE=0.4
fwE=1.13
20190321T221412.0001.fits
SecZ=1.01
Focus=-5.769
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.356 -5.728 -4.222
T123=13.0 14.0 15.7
ALT/AZ=83.7 -141.1
fwAVG=3.55
sdW=37.6
fwW=4.04
sdS=34.8
fwS=3.32
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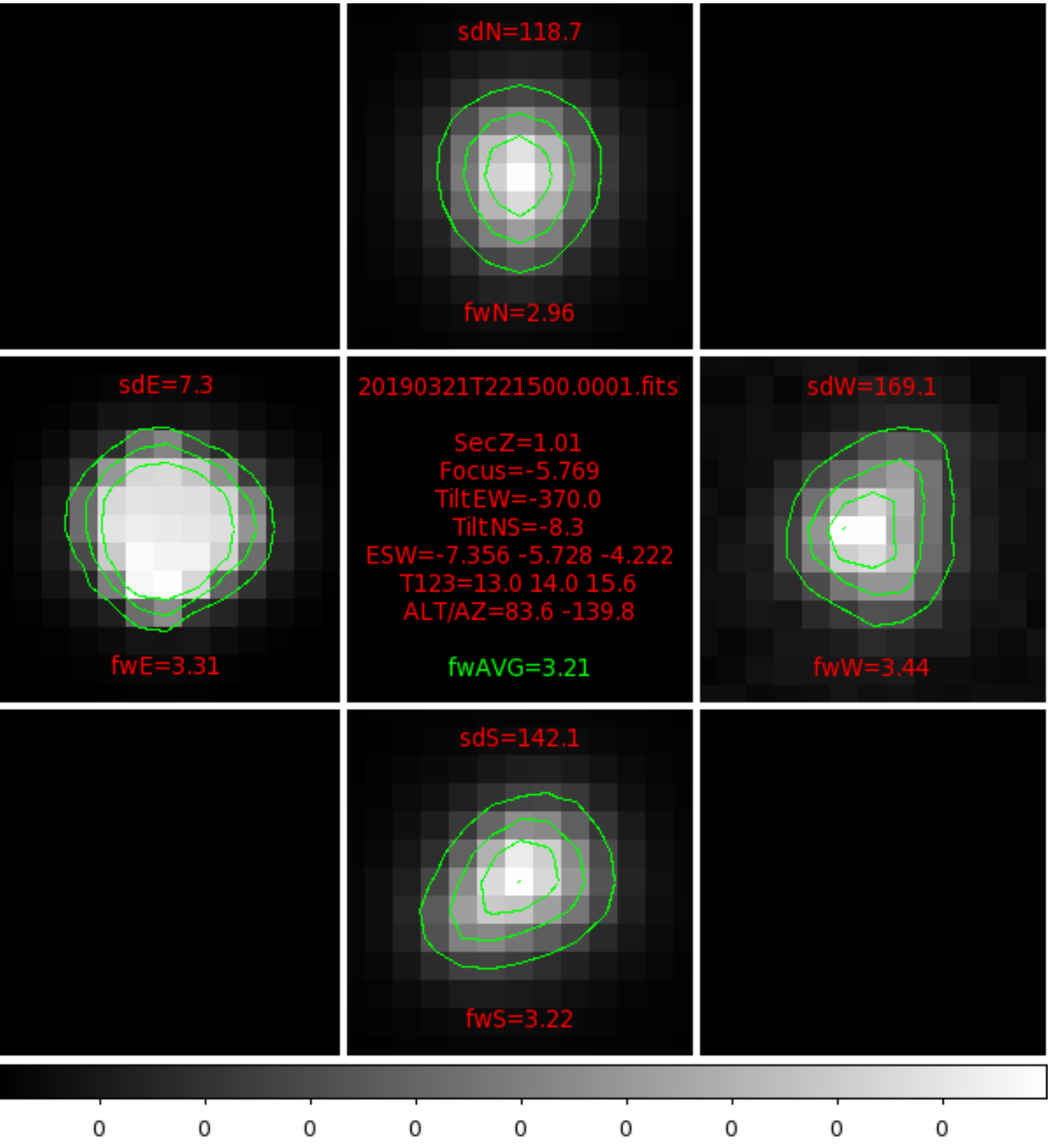
sdN=118.7
fwN=2.96
sdE=7.3
fwE=3.31
20190321T221500.0001.fits
SecZ=1.01
Focus=-5.769
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.356 -5.728 -4.222
T123=13.0 14.0 15.6
ALT/AZ=83.6 -139.8
fwAVG=3.21
sdW=169.1
fwW=3.44
sdS=142.1
fwS=3.22
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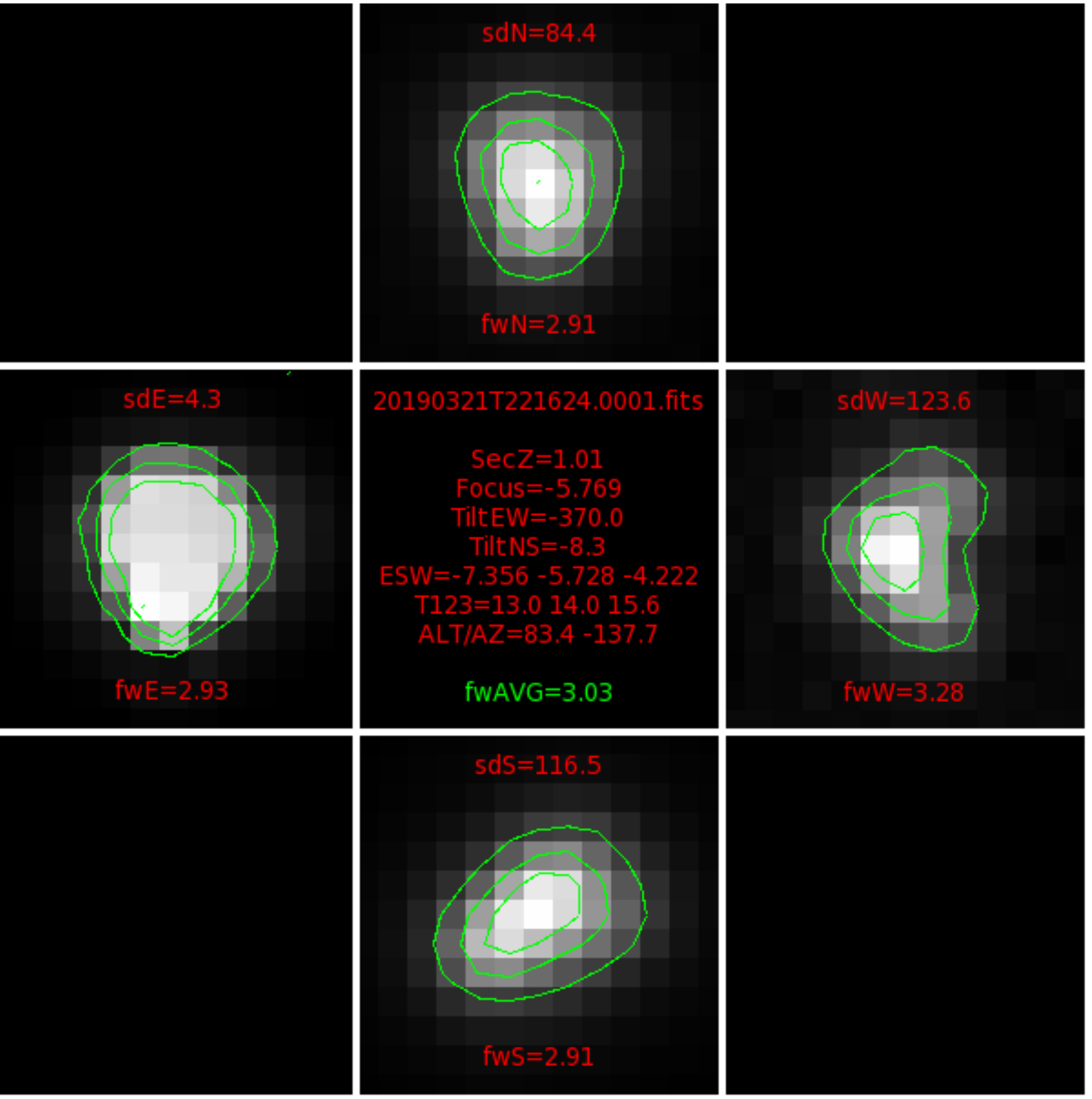
sdN=84.4
fwN=2.91
sdE=4.3
fwE=2.93
20190321T221624.0001.fits
SecZ=1.01
Focus=-5.769
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.356 -5.728 -4.222
T123=13.0 14.0 15.6
ALT/AZ=83.4 -137.7
fwAVG=3.03
sdW=123.6
fwW=3.28
sdS=116.5
fwS=2.91
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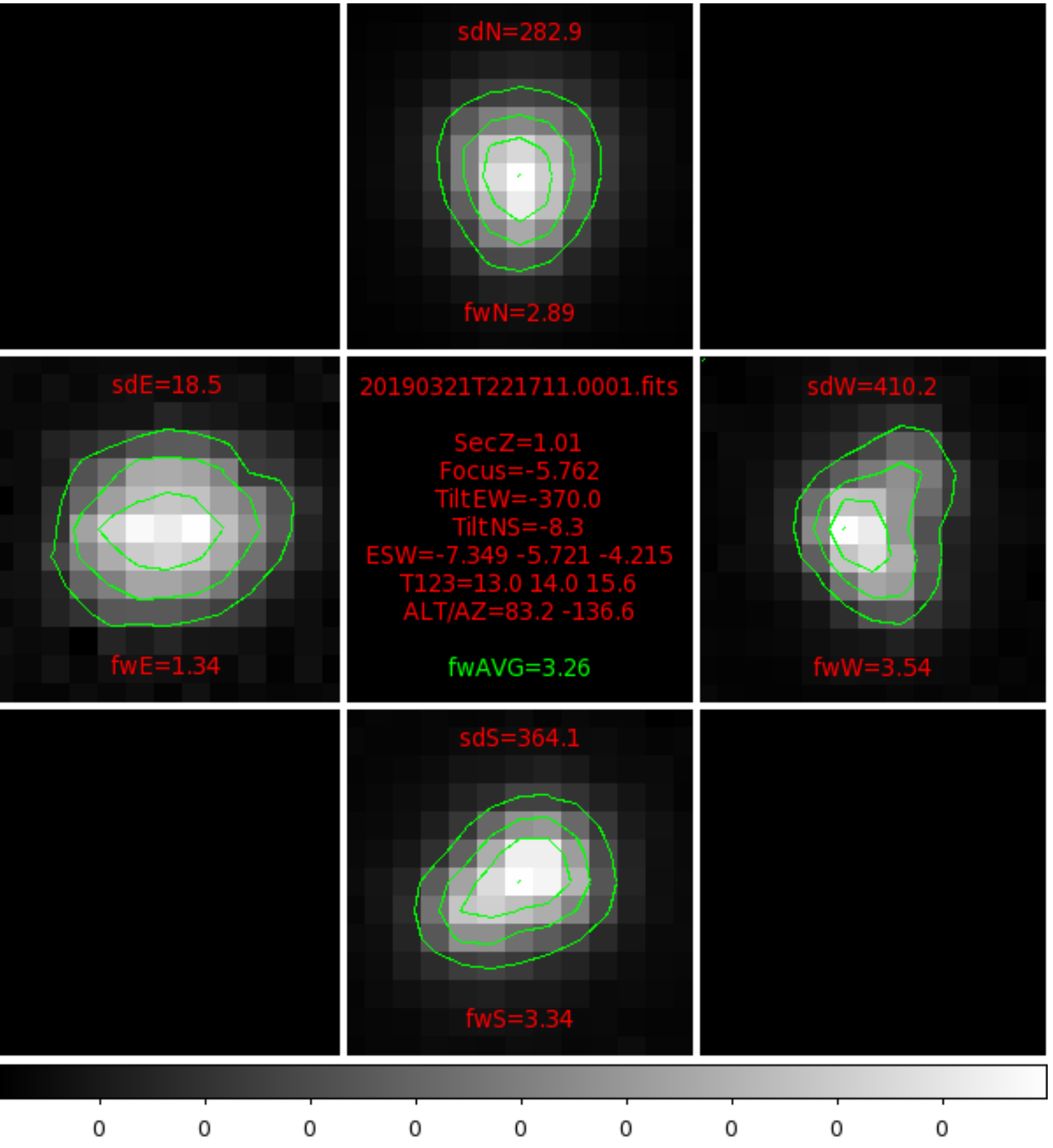
sdN=282.9
fwN=2.89
sdE=18.5
fwE=1.34
20190321T221711.0001.fits
SecZ=1.01
Focus=-5.762
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.349 -5.721 -4.215
T123=13.0 14.0 15.6
ALT/AZ=83.2 -136.6
fwAVG=3.26
sdW=410.2
fwW=3.54
sdS=364.1
fwS=3.34
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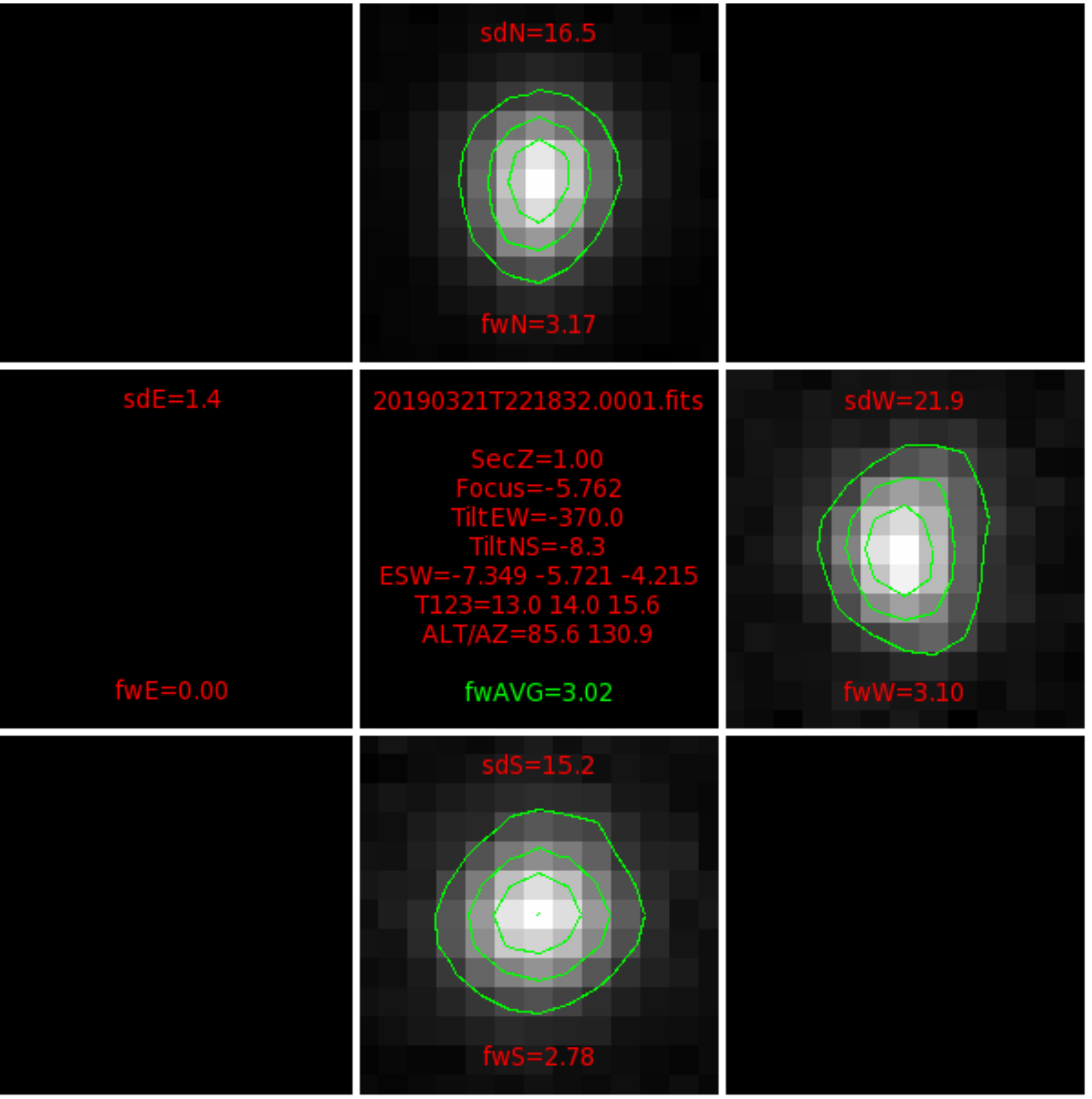
sdN=16.5
fwN=3.17
sdE=1.4
fwE=0.00
20190321T221832.0001.fits
SecZ=1.00
Focus=-5.762
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.349 -5.721 -4.215
T123=13.0 14.0 15.6
ALT/AZ=85.6 130.9
fwAVG=3.02
sdW=21.9
fwW=3.10
sdS=15.2
fwS=2.78
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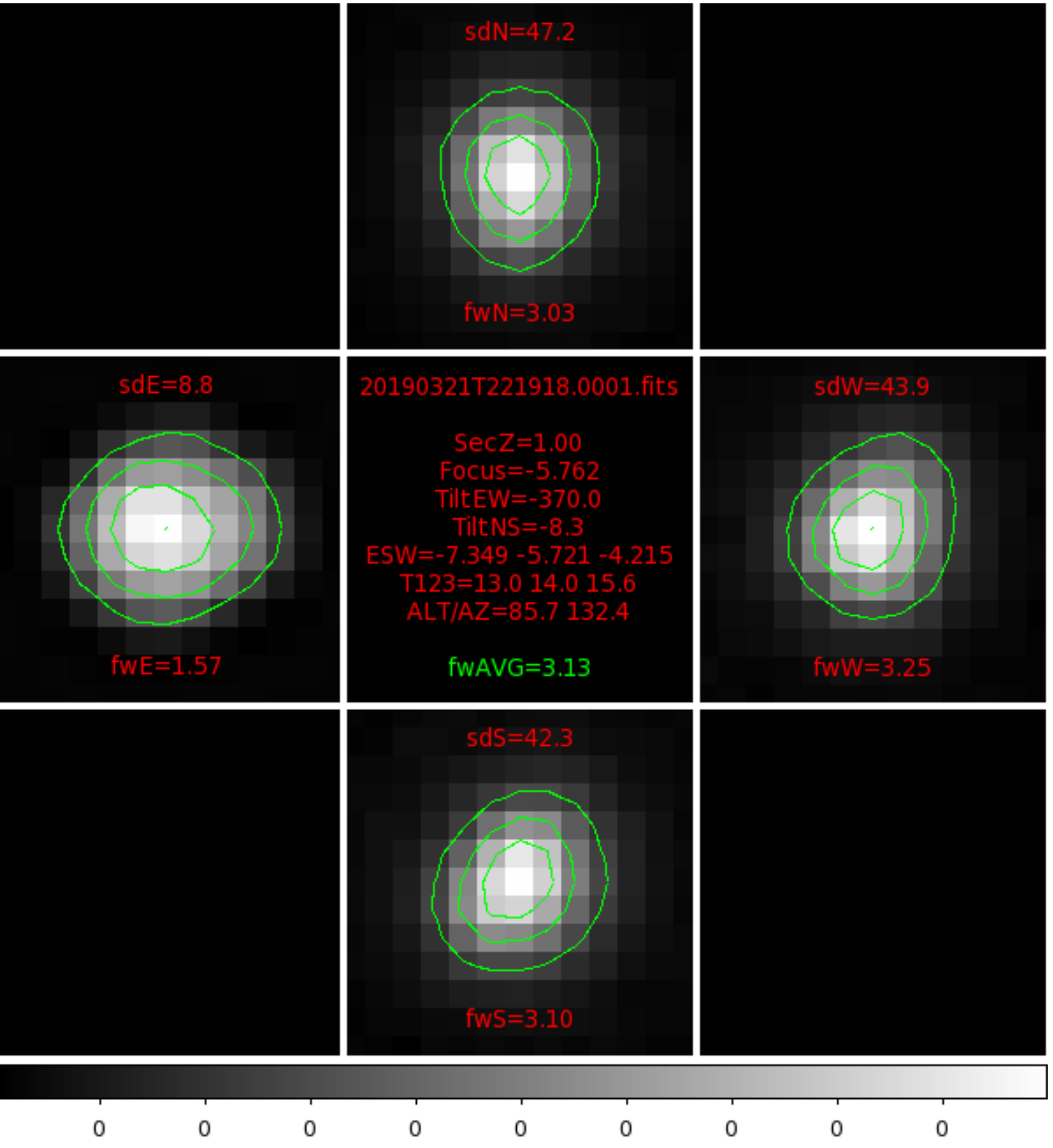
sdN=47.2
fwN=3.03
sdE=8.8
fwE=1.57
20190321T221918.0001.fits
SecZ=1.00
Focus=-5.762
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.349 -5.721 -4.215
T123=13.0 14.0 15.6
ALT/AZ=85.7 132.4
fwAVG=3.13
sdW=43.9
fwW=3.25
sdS=42.3
fwS=3.10
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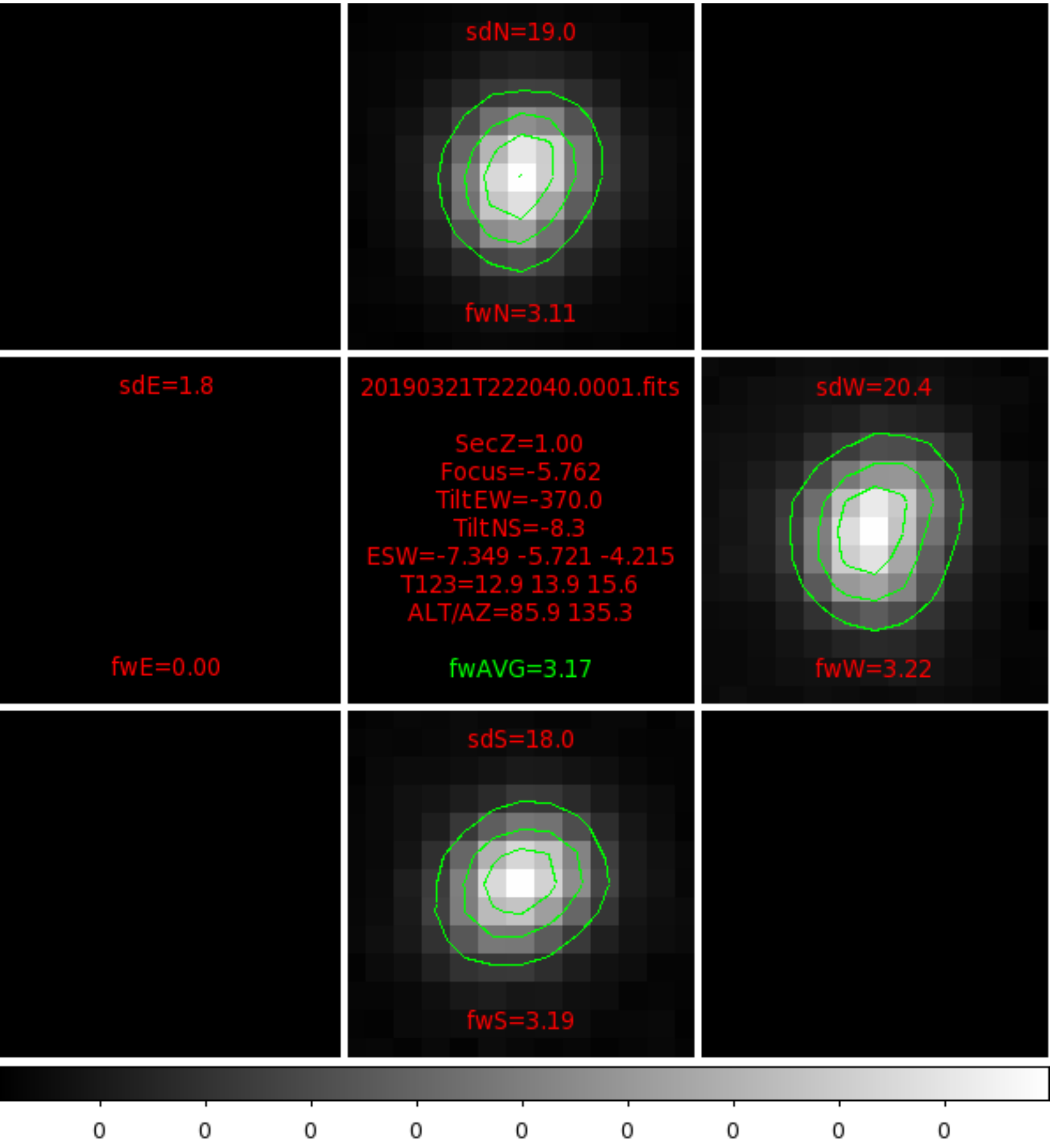
sdN=19.0
fwN=3.11
sdE=1.8
fwE=0.00
20190321T222040.0001.fits
SecZ=1.00
Focus=-5.762
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.349 -5.721 -4.215
T123=12.9 13.9 15.6
ALT/AZ=85.9 135.3
fwAVG=3.17
sdW=20.4
fwW=3.22
sdS=18.0
fwS=3.19
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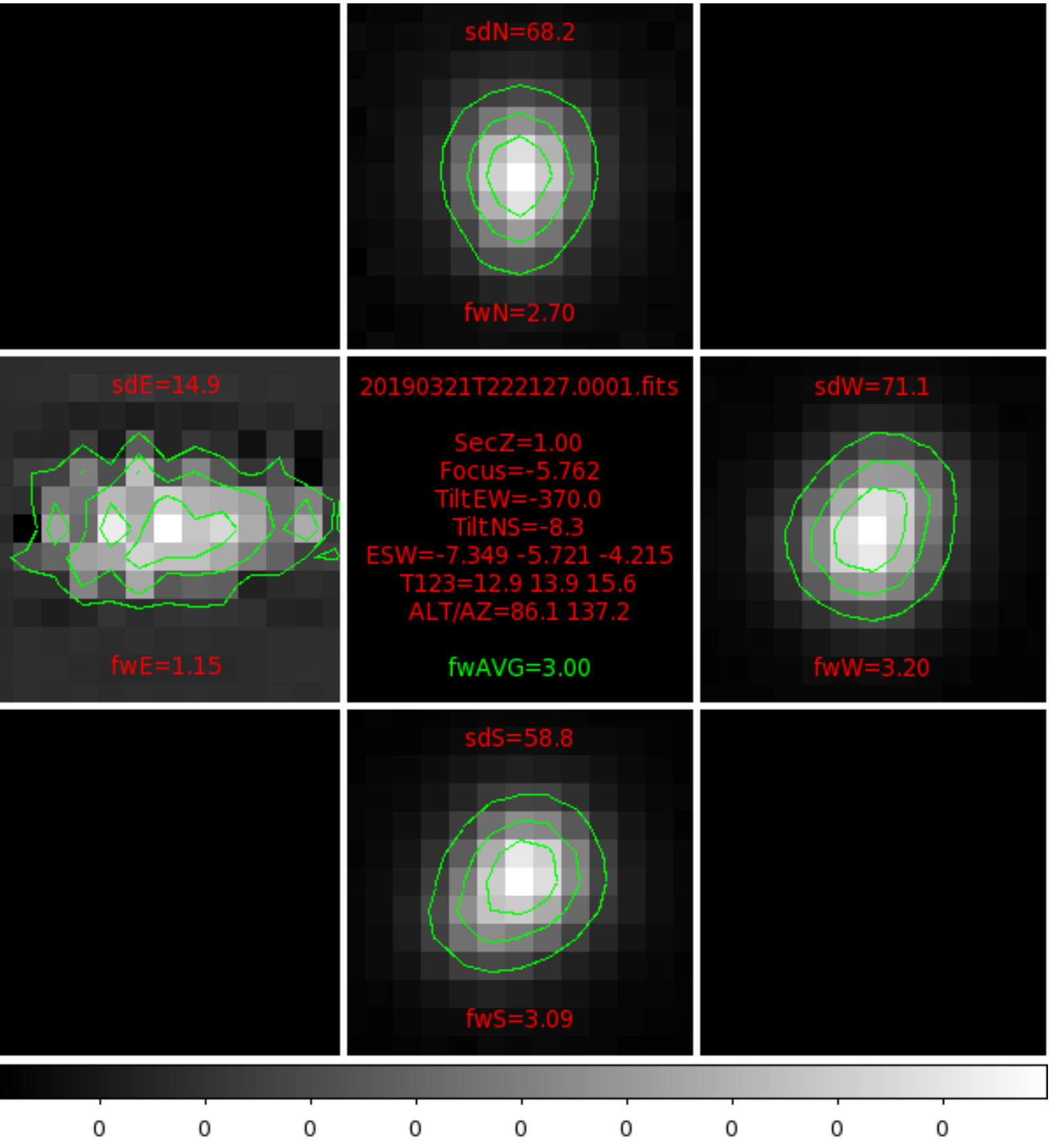
sdN=68.2
fwN=2.70
sdE=14.9
fwE=1.15
20190321T222127.0001.fits
SecZ=1.00
Focus=-5.762
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.349 -5.721 -4.215
T123=12.9 13.9 15.6
ALT/AZ=86.1 137.2
fwAVG=3.00
sdW=71.1
fwW=3.20
sdS=58.8
fwS=3.09
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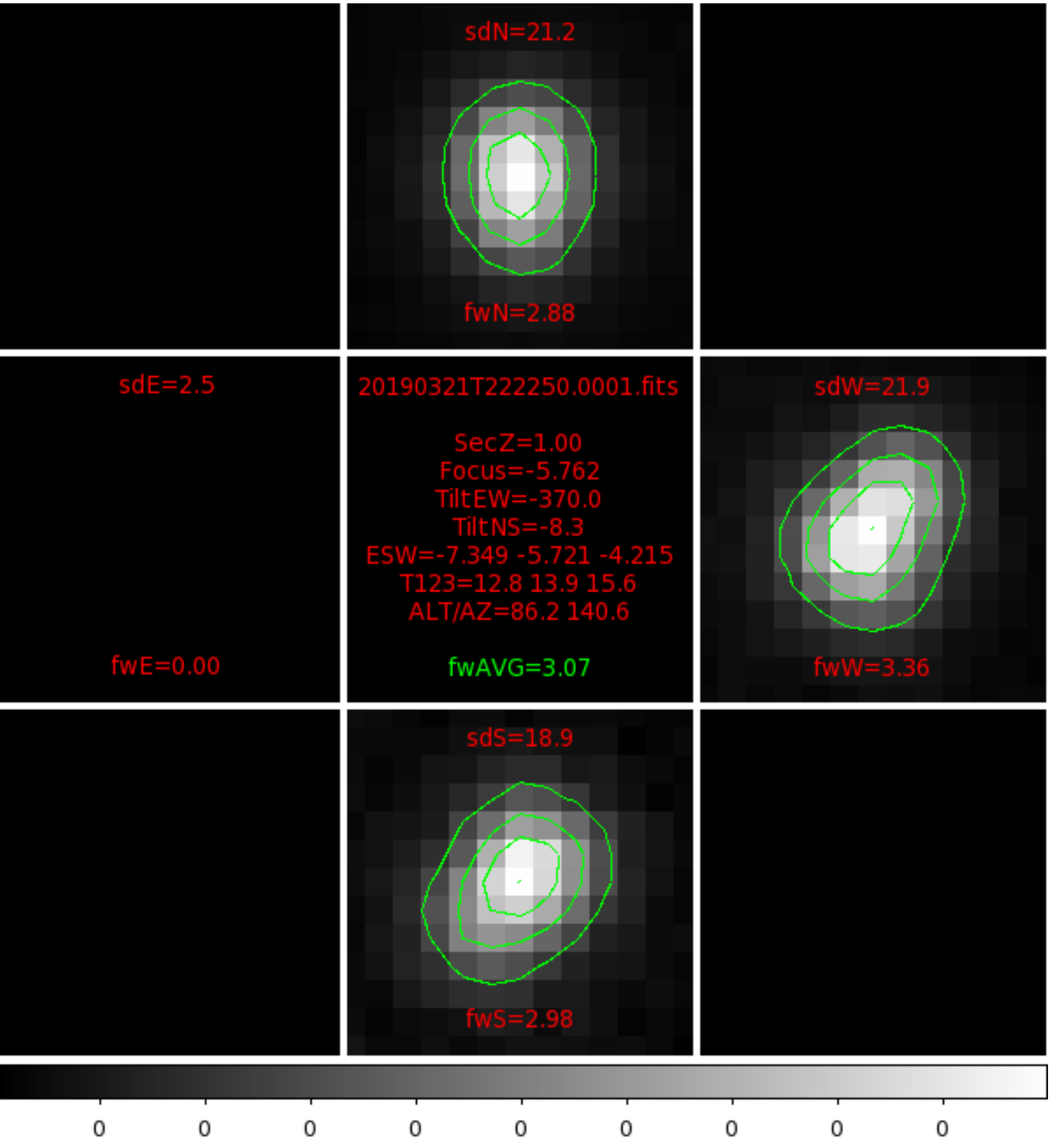
sdN=21.2
fwN=2.88
sdE=2.5
fwE=0.00
20190321T222250.0001.fits
SecZ=1.00
Focus=-5.762
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.349 -5.721 -4.215
T123=12.8 13.9 15.6
ALT/AZ=86.2 140.6
fwAVG=3.07
sdW=21.9
fwW=3.36
sdS=18.9
fwS=2.98
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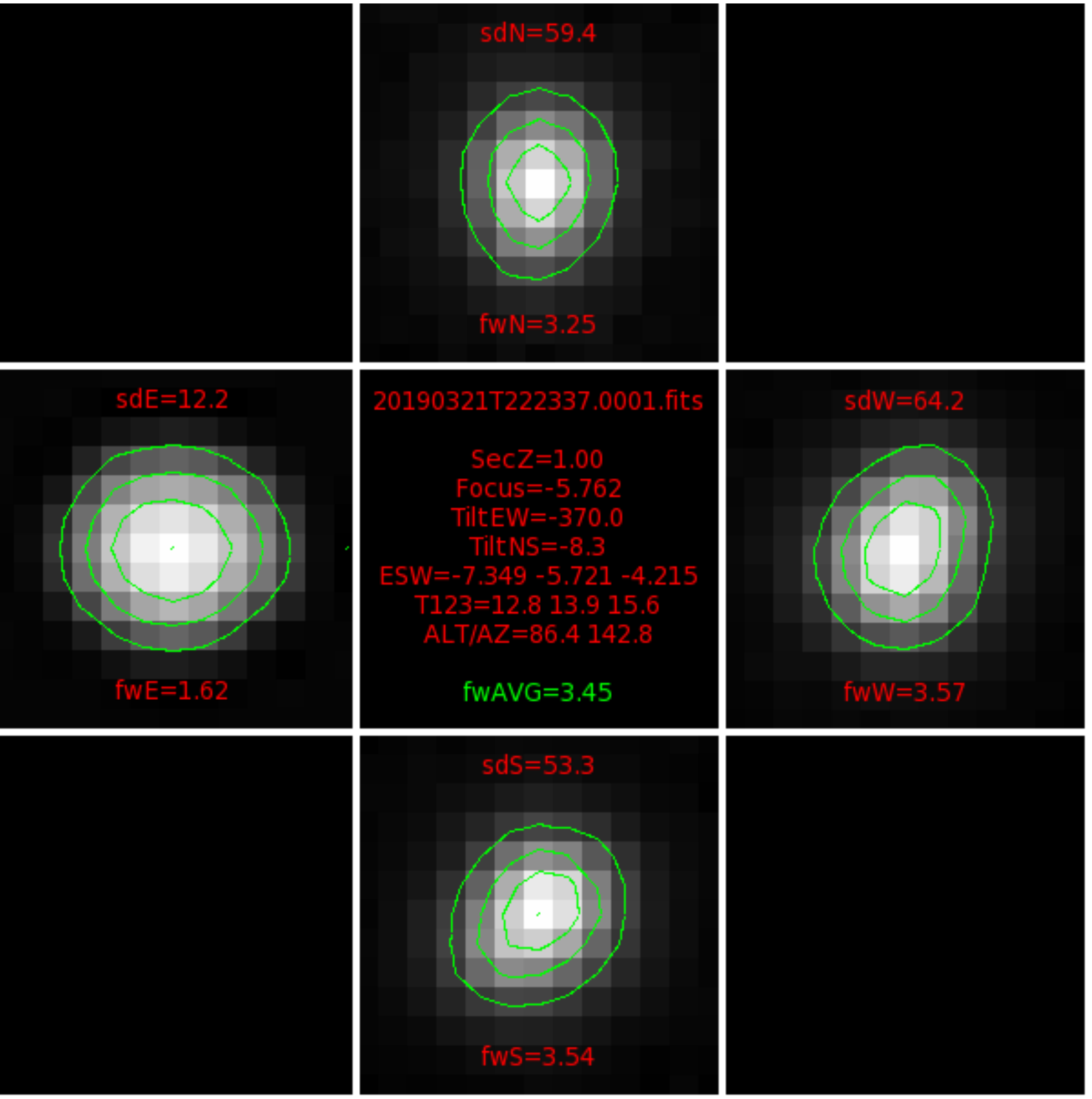
sdN=59.4
fwN=3.25
sdE=12.2
fwE=1.62
20190321T222337.0001.fits
SecZ=1.00
Focus=-5.762
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.349 -5.721 -4.215
T123=12.8 13.9 15.6
ALT/AZ=86.4 142.8
fwAVG=3.45
sdW=64.2
fwW=3.57
sdS=53.3
fwS=3.54
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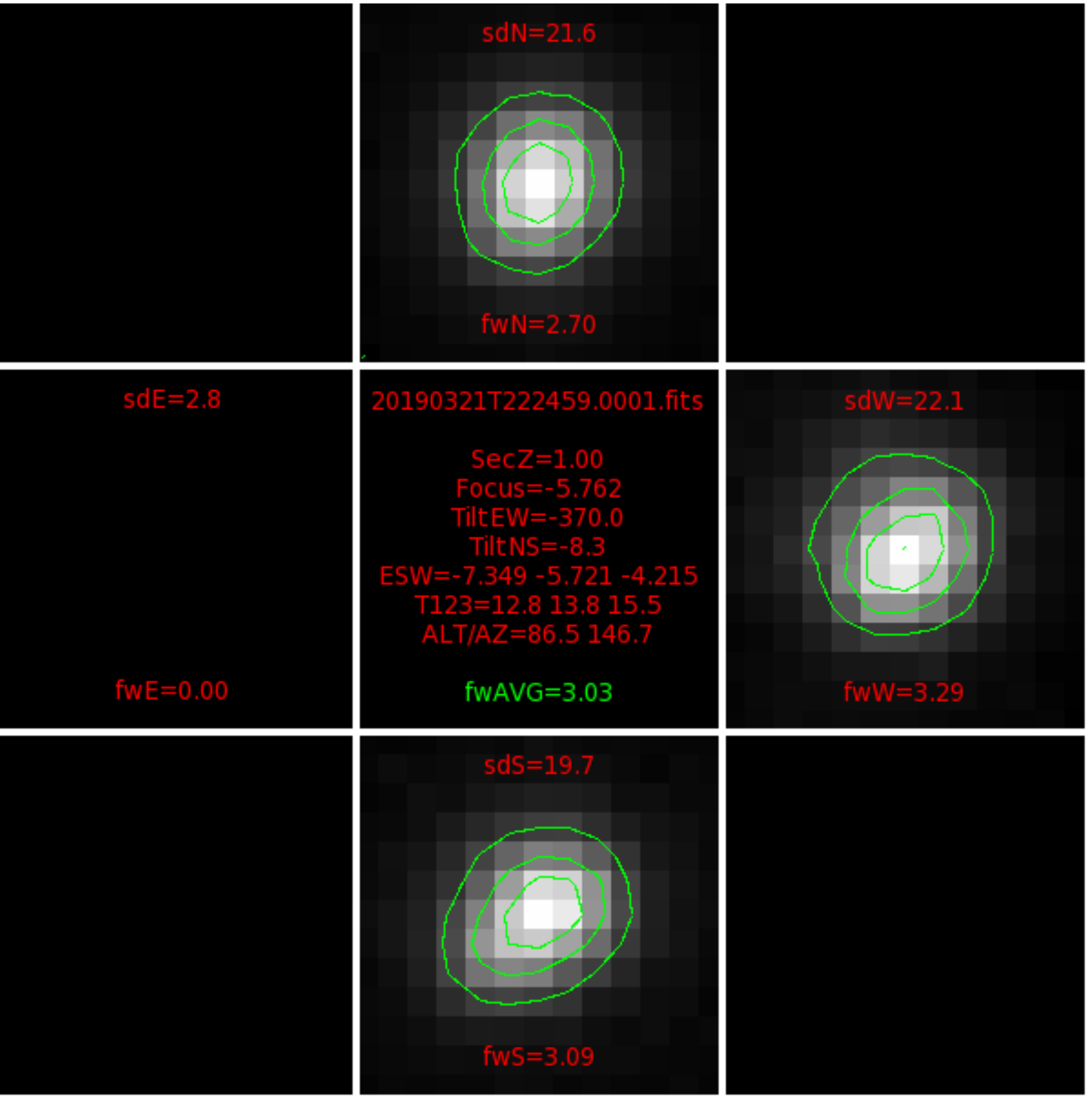
sdN=21.6
fwN=2.70
sdE=2.8
fwE=0.00
20190321T222459.0001.fits
SecZ=1.00
Focus=-5.762
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.349 -5.721 -4.215
T123=12.8 13.8 15.5
ALT/AZ=86.5 146.7
fwAVG=3.03
sdW=22.1
fwW=3.29
sdS=19.7
fwS=3.09
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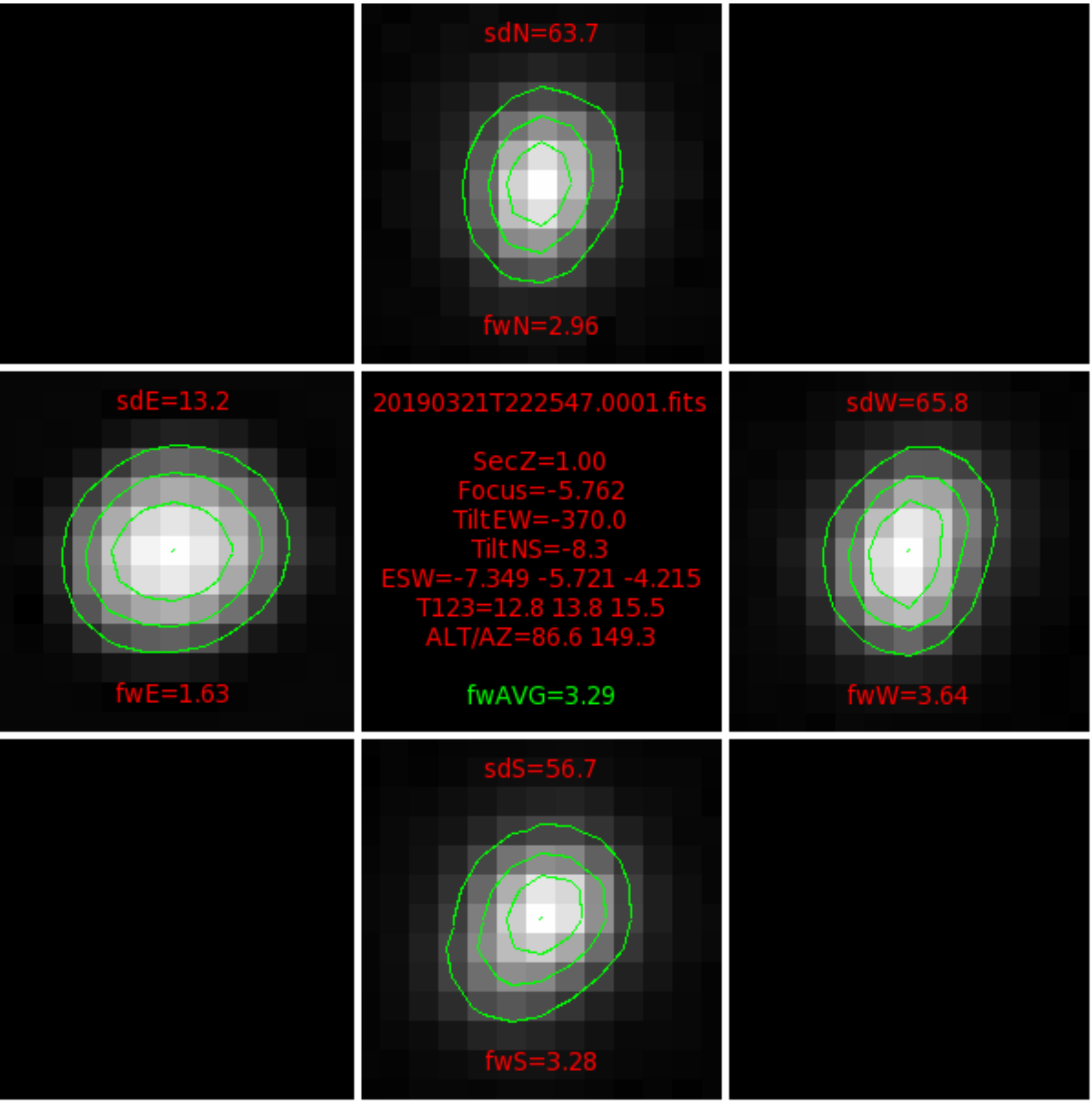
sdN=63.7
fwN=2.96
sdE=13.2
fwE=1.63
20190321T222547.0001.fits
SecZ=1.00
Focus=-5.762
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.349 -5.721 -4.215
T123=12.8 13.8 15.5
ALT/AZ=86.6 149.3
fwAVG=3.29
sdW=65.8
fwW=3.64
sdS=56.7
fwS=3.28
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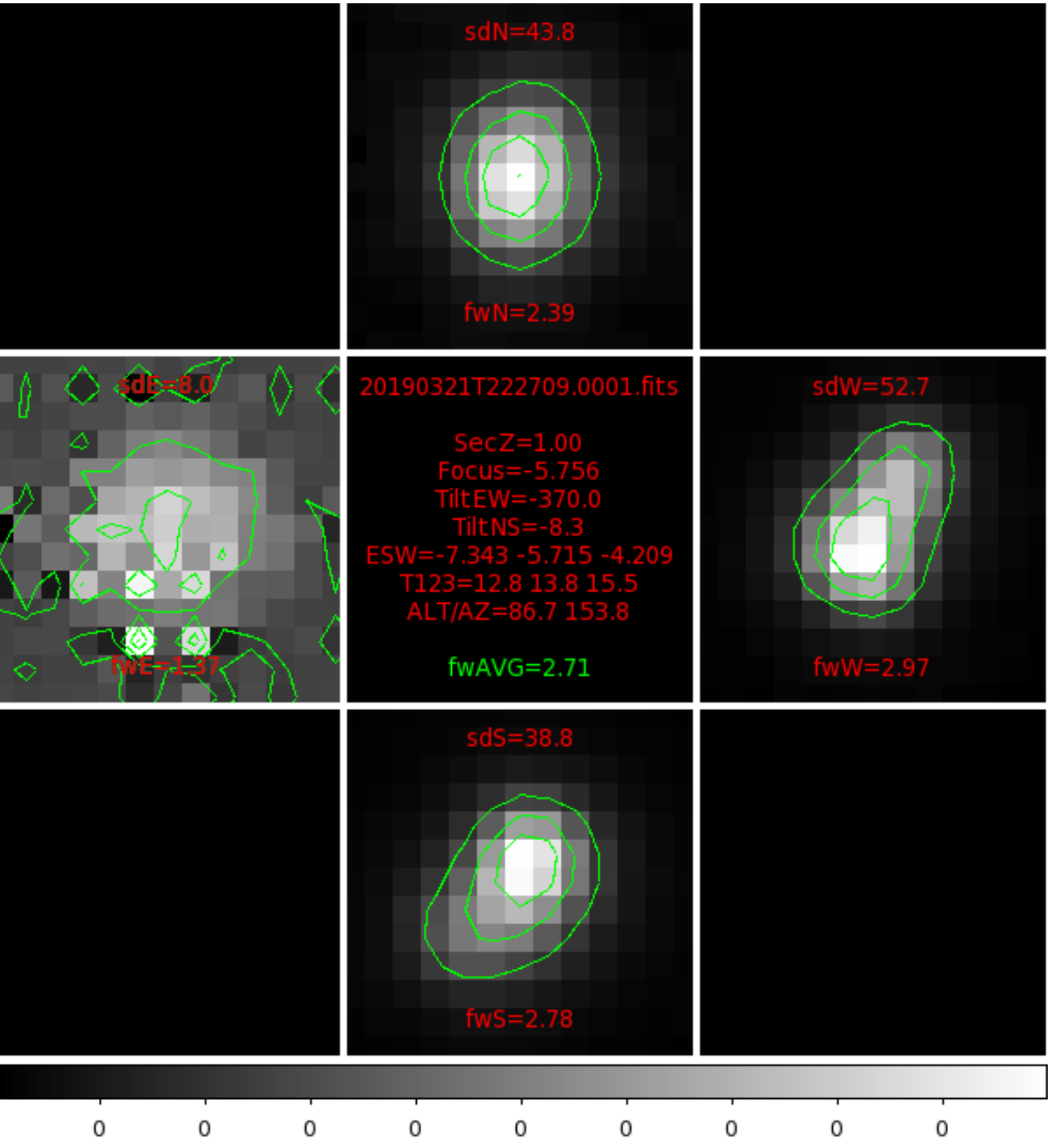
sdN=43.8
fwN=2.39
sdE=8.0
fwE=1.37
20190321T222709.0001.fits
SecZ=1.00
Focus=-5.756
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.343 -5.715 -4.209
T123=12.8 13.8 15.5
ALT/AZ=86.7 153.8
fwAVG=2.71
sdW=52.7
fwW=2.97
sdS=38.8
fwS=2.78
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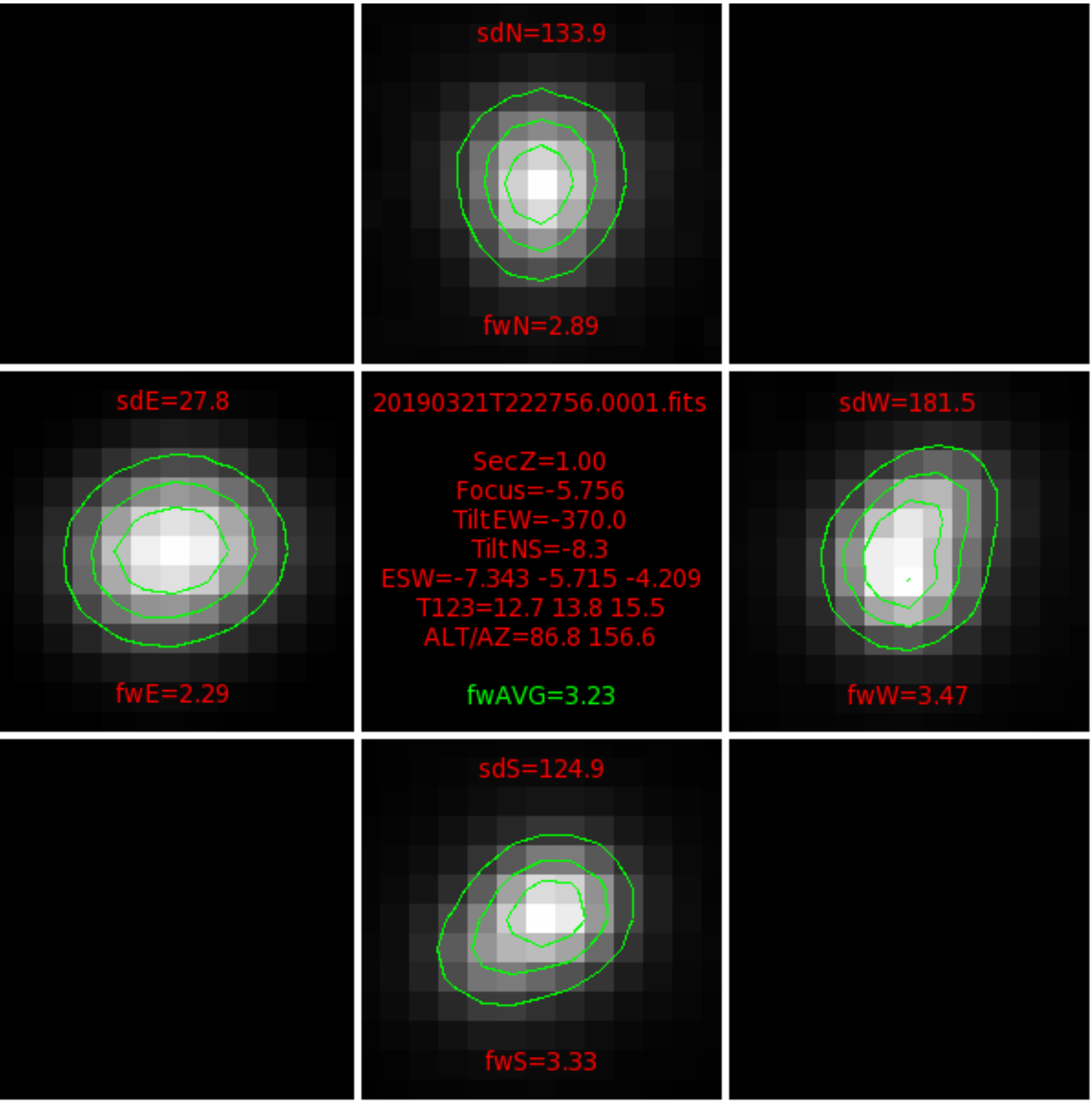
sdN=133.9
fwN=2.89
sdE=27.8
fwE=2.29
20190321T222756.0001.fits
SecZ=1.00
Focus=-5.756
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.343 -5.715 -4.209
T123=12.7 13.8 15.5
ALT/AZ=86.8 156.6
fwAVG=3.23
sdW=181.5
fwW=3.47
sdS=124.9
fwS=3.33
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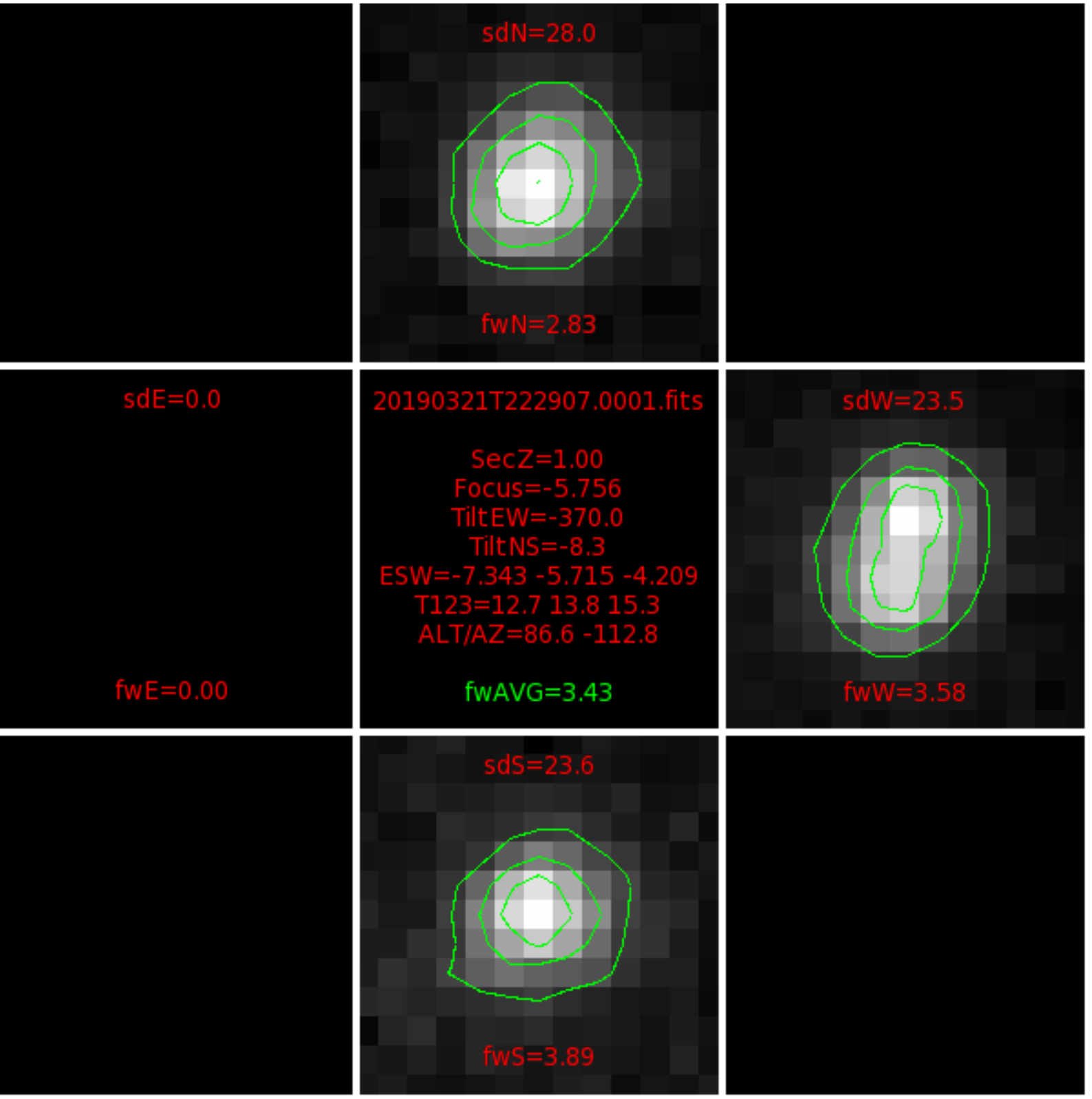
sdN=28.0
fwN=2.83
sdE=0.0
fwE=0.00
20190321T222907.0001.fits
SecZ=1.00
Focus=-5.756
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.343 -5.715 -4.209
T123=12.7 13.8 15.3
ALT/AZ=86.6 -112.8
fwAVG=3.43
sdW=23.5
fwW=3.58
sdS=23.6
fwS=3.89
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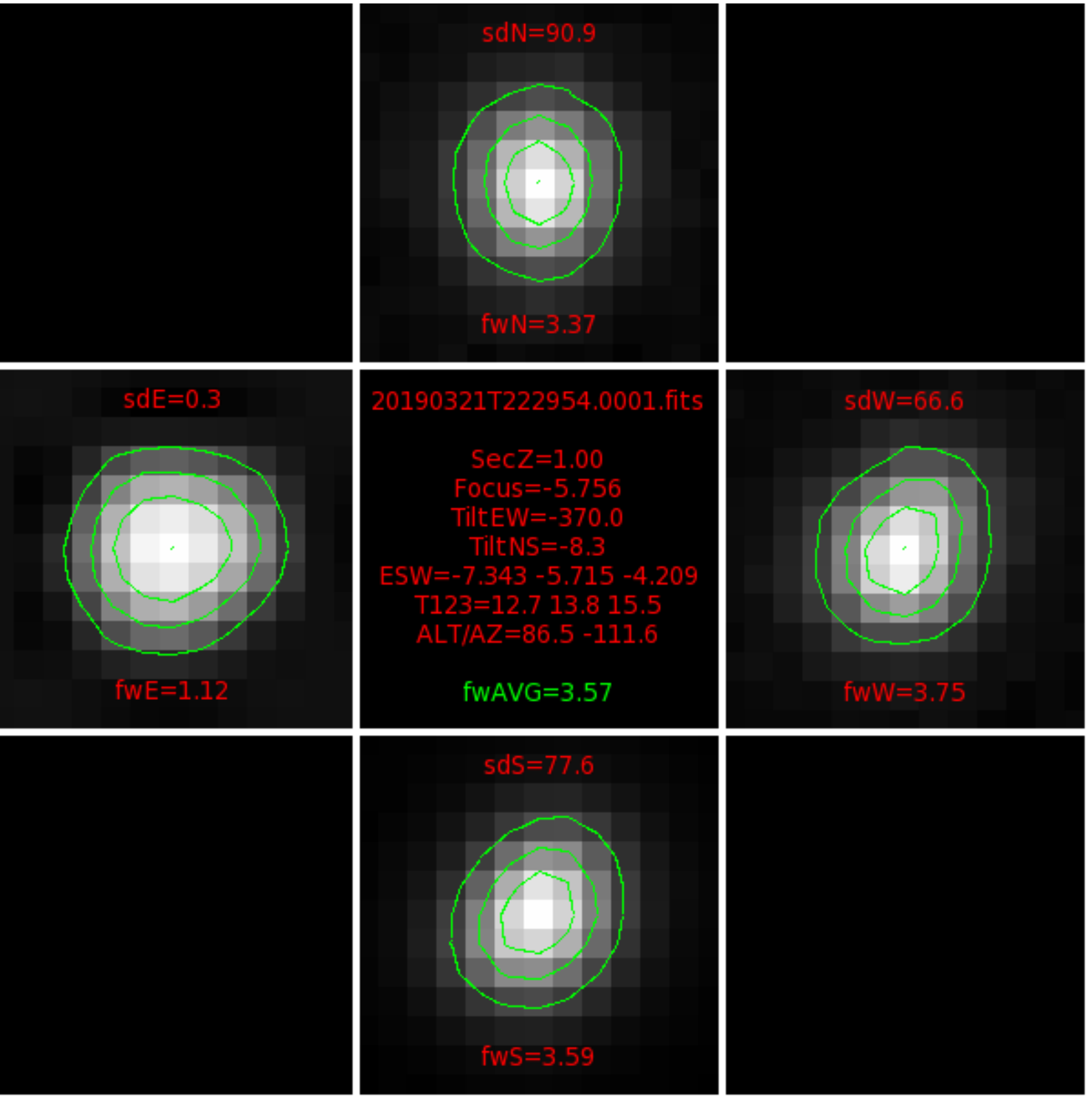
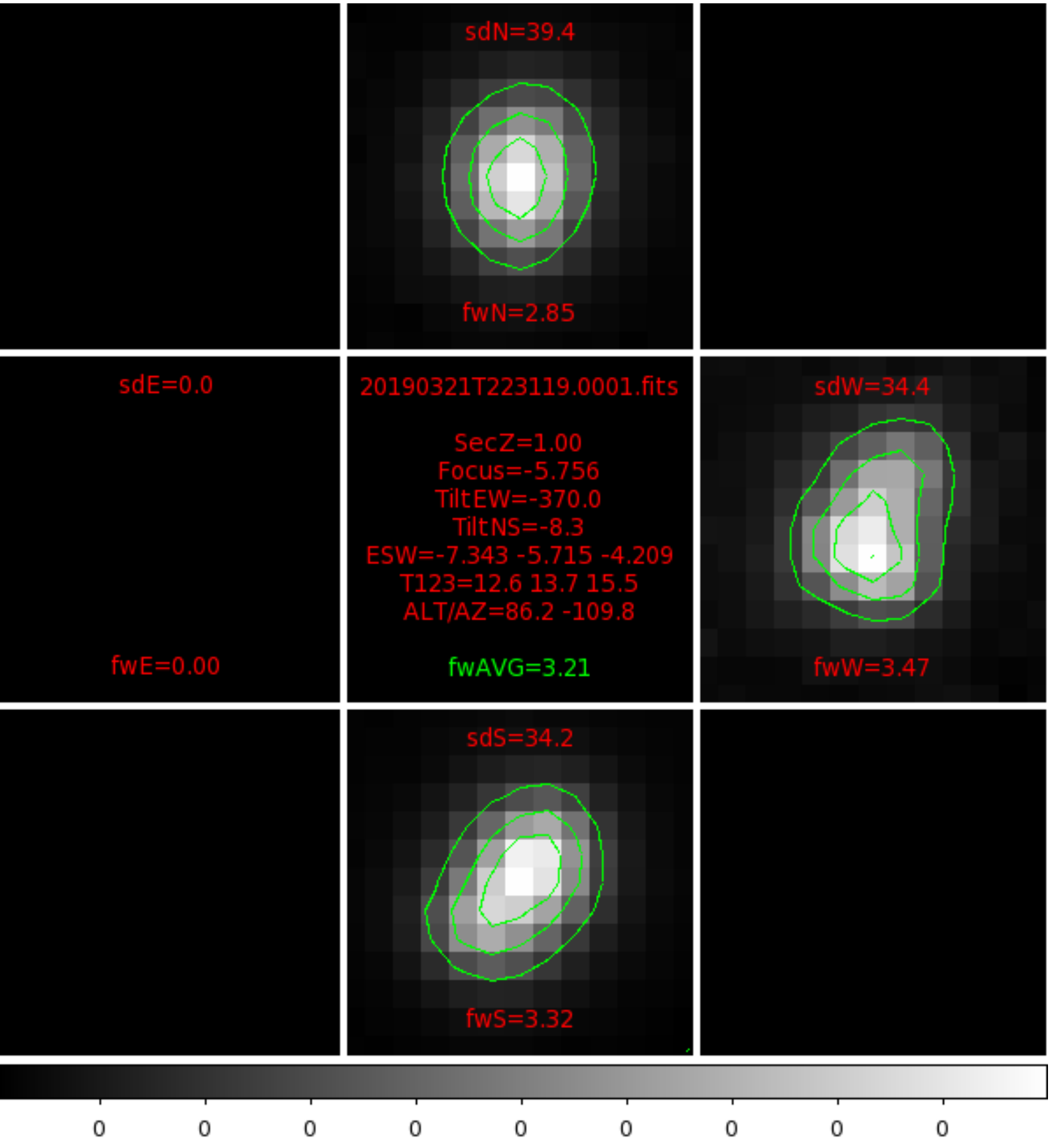

sdN=90.9
fwN=3.37
sdE=0.3
fwE=1.12
20190321T222954.0001.fits
SecZ=1.00
Focus=-5.756
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.343 -5.715 -4.209
T123=12.7 13.8 15.5
ALT/AZ=86.5 -111.6
fwAVG=3.57
sdW=66.6
fwW=3.75
sdS=77.6
fwS=3.59
0 0 0 0 0 0 0 0 0


sdN=39.4
fwN=2.85
sdE=0.0
fwE=0.00
20190321T223119.0001.fits
SecZ=1.00
Focus=-5.756
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.343 -5.715 -4.209
T123=12.6 13.7 15.5
ALT/AZ=86.2 -109.8
fwAVG=3.21
sdW=34.4
fwW=3.47
sdS=34.2
fwS=3.32
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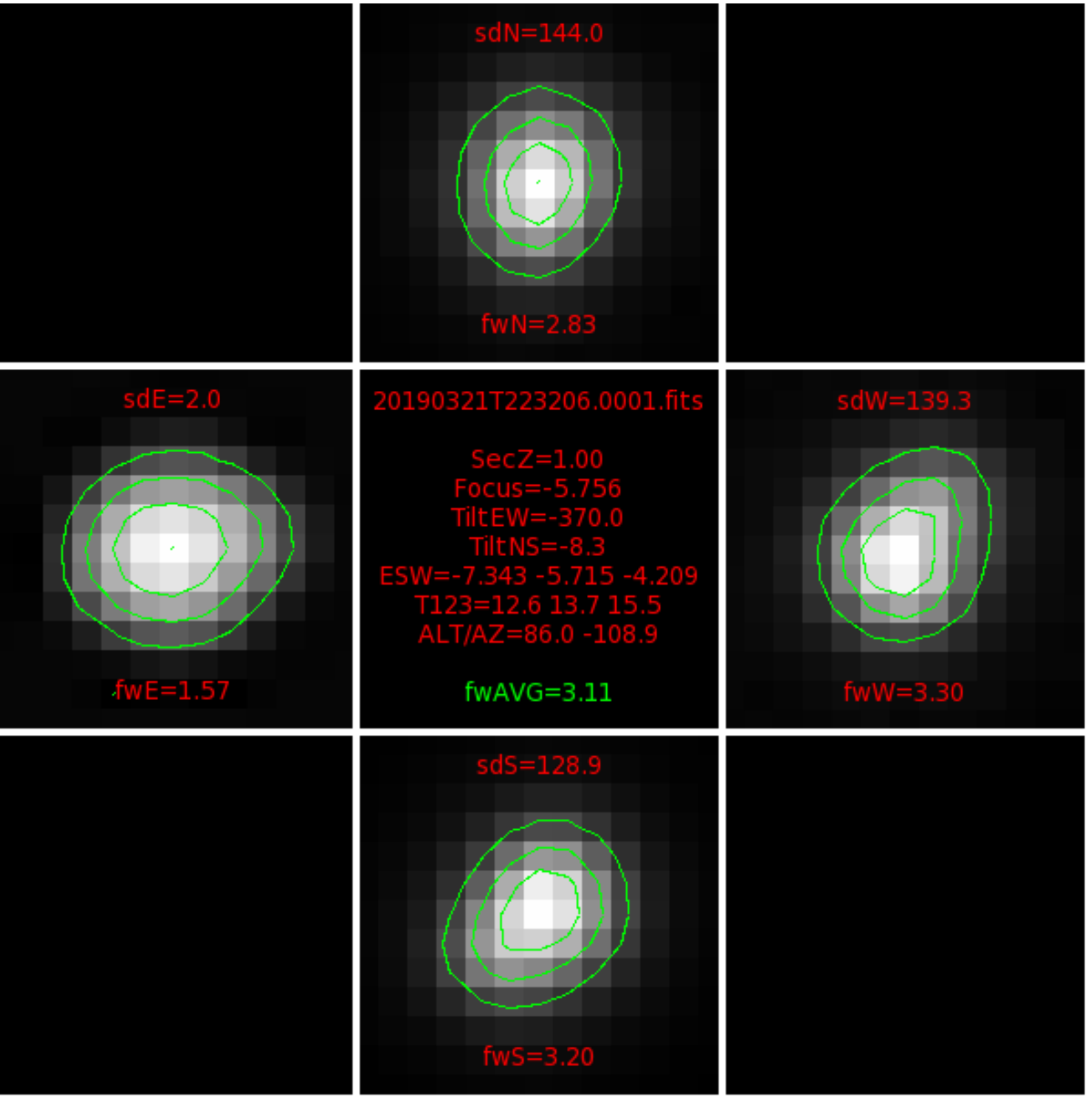
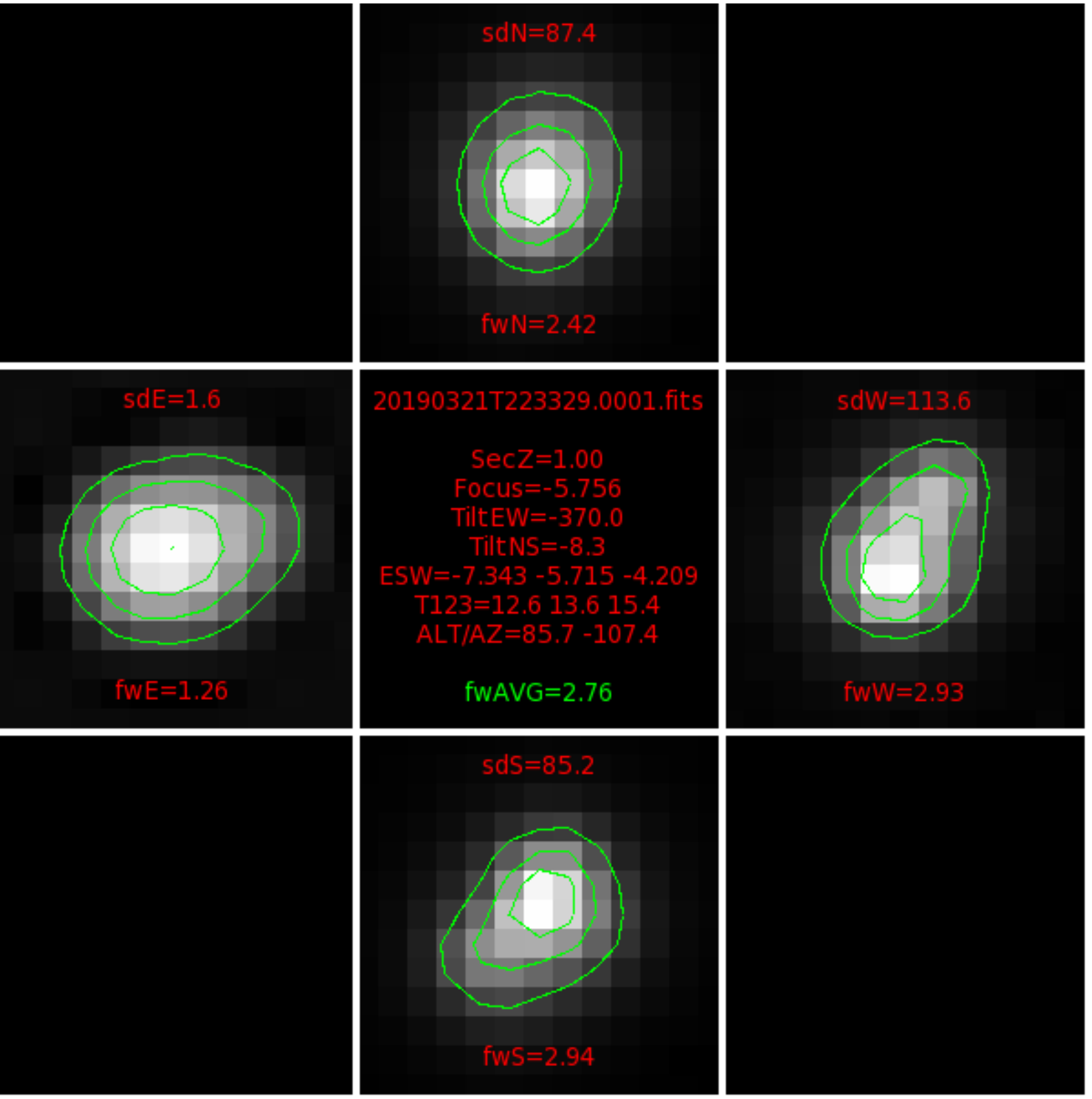

sdN=144.0
fwN=2.83
sdE=2.0
fwE=1.57
20190321T223206.0001.fits
SecZ=1.00
Focus=-5.756
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.343 -5.715 -4.209
T123=12.6 13.7 15.5
ALT/AZ=86.0 -108.9
fwAVG=3.11
sdW=139.3
fwW=3.30
sdS=128.9
fwS=3.20
0 0 0 0 0 0 0 0 0


sdN=87.4
fwN=2.42
sdE=1.6
fwE=1.26
20190321T223329.0001.fits
SecZ=1.00
Focus=-5.756
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.343 -5.715 -4.209
T123=12.6 13.6 15.4
ALT/AZ=85.7 -107.4
fwAVG=2.76
sdW=113.6
fwW=2.93
sdS=85.2
fwS=2.94
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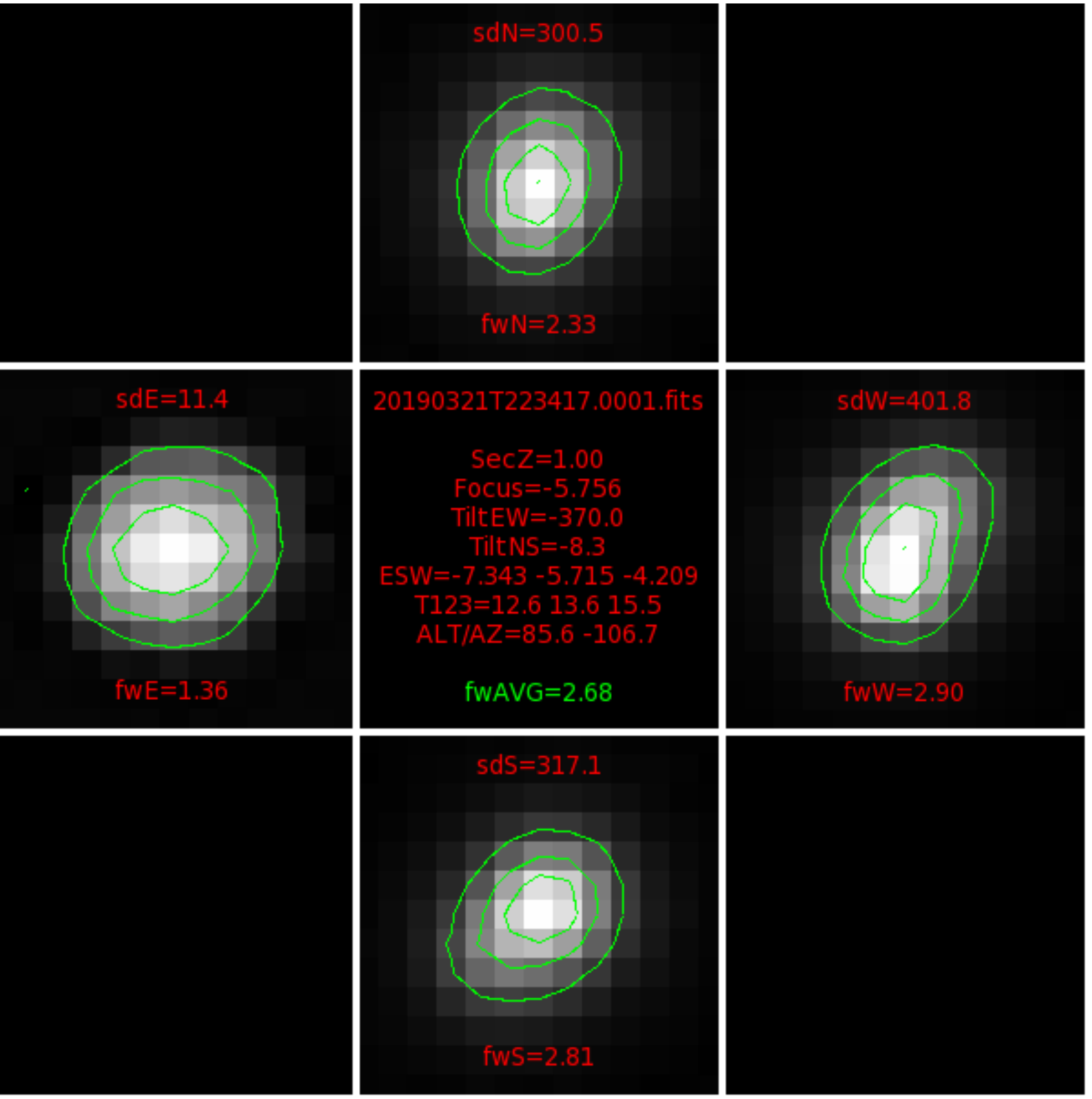
sdN=300.5
fwN=2.33
sdE=11.4
fwE=1.36
20190321T223417.0001.fits
SecZ=1.00
Focus=-5.756
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.343 -5.715 -4.209
T123=12.6 13.6 15.5
ALT/AZ=85.6 -106.7
fwAVG=2.68
sdW=401.8
fwW=2.90
sdS=317.1
fwS=2.81
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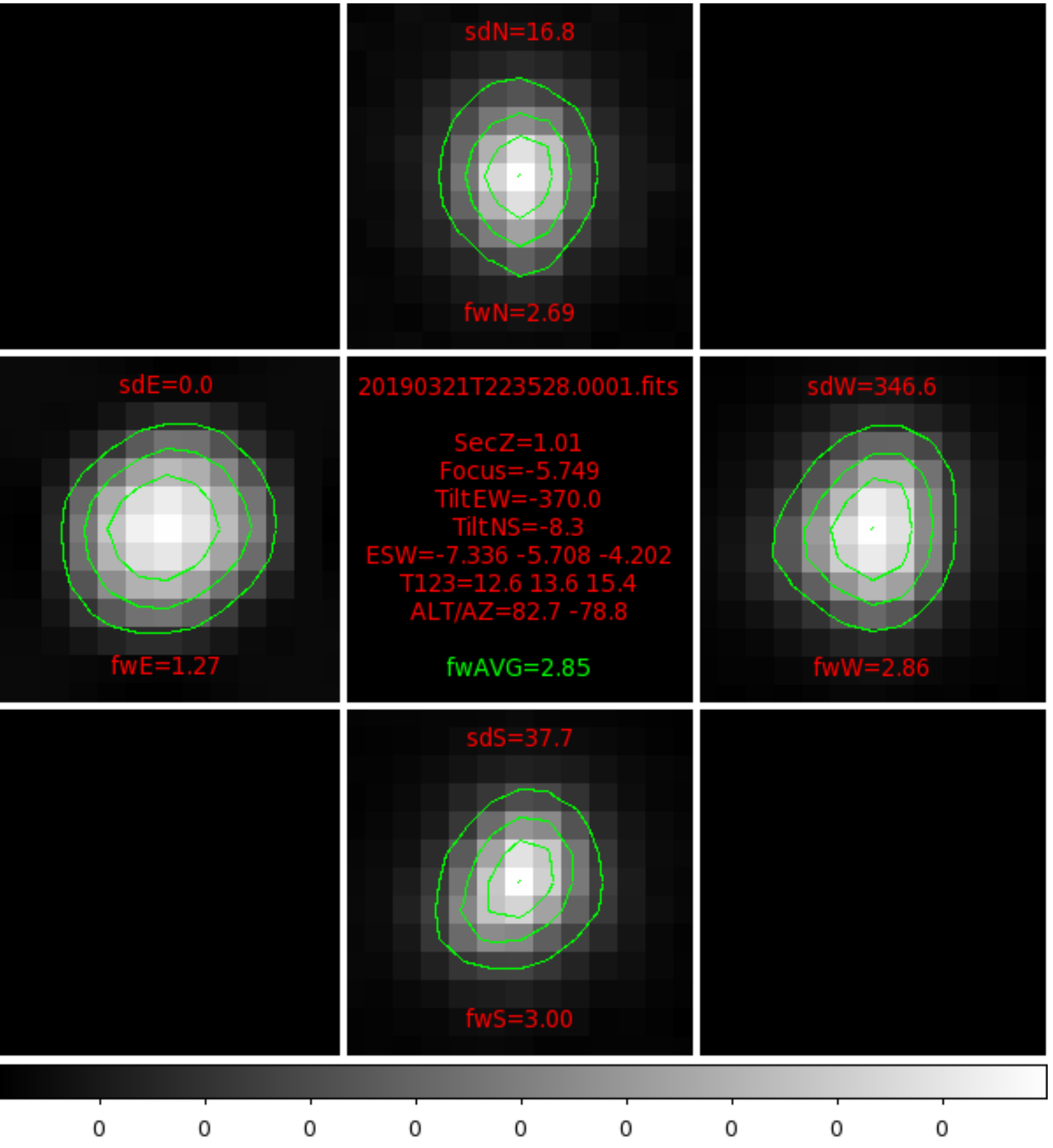
sdN=16.8
fwN=2.69
sdE=0.0
fwE=1.27
20190321T223528.0001.fits
SecZ=1.01
Focus=-5.749
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.336 -5.708 -4.202
T123=12.6 13.6 15.4
ALT/AZ=82.7 -78.8
fwAVG=2.85
sdW=346.6
fwW=2.86
sdS=37.7
fwS=3.00
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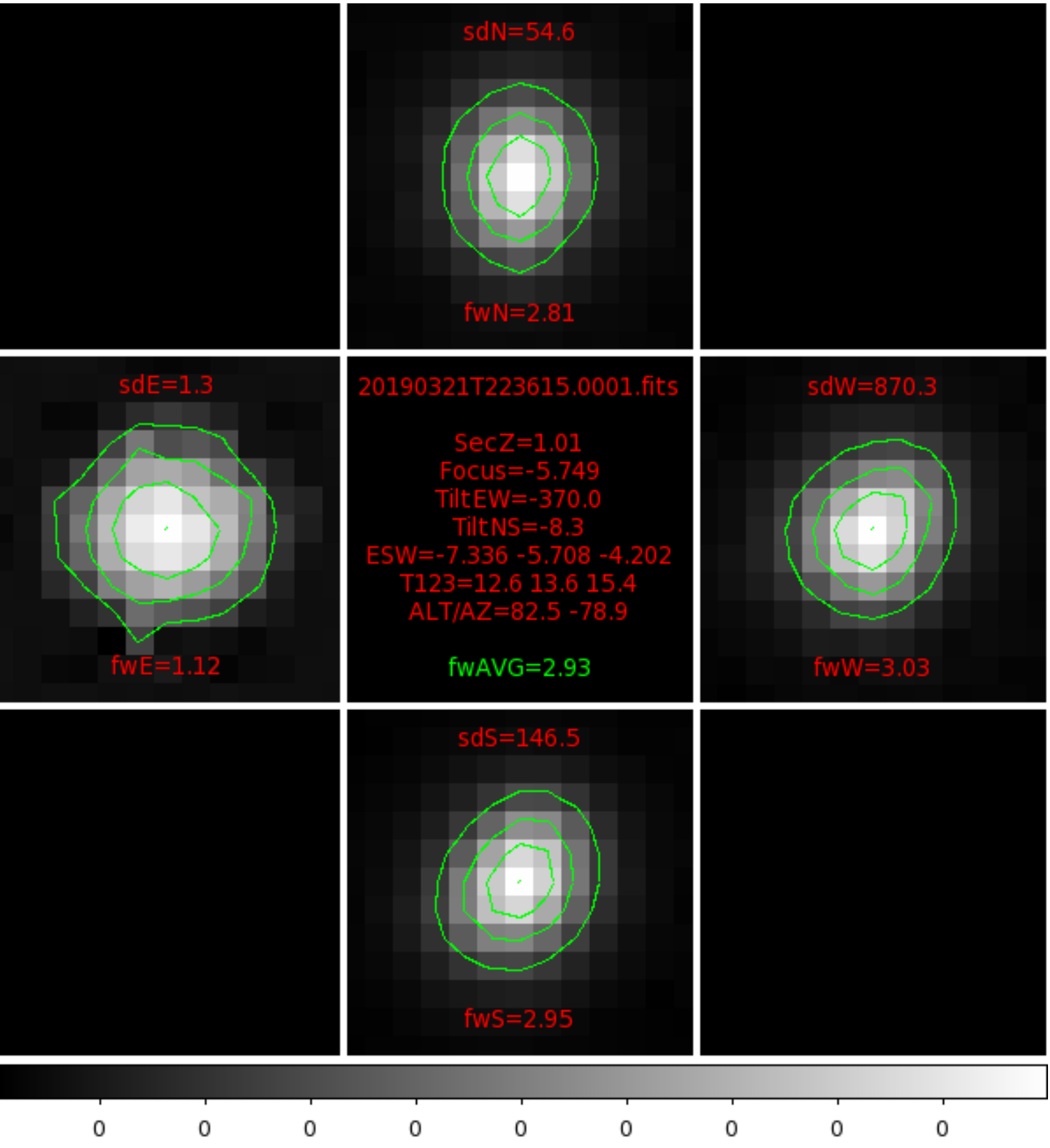
sdN=54.6
fwN=2.81
sdE=1.3
fwE=1.12
20190321T223615.0001.fits
SecZ=1.01
Focus=-5.749
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.336 -5.708 -4.202
T123=12.6 13.6 15.4
ALT/AZ=82.5 -78.9
fwAVG=2.93
sdW=870.3
fwW=3.03
sdS=146.5
fwS=2.95
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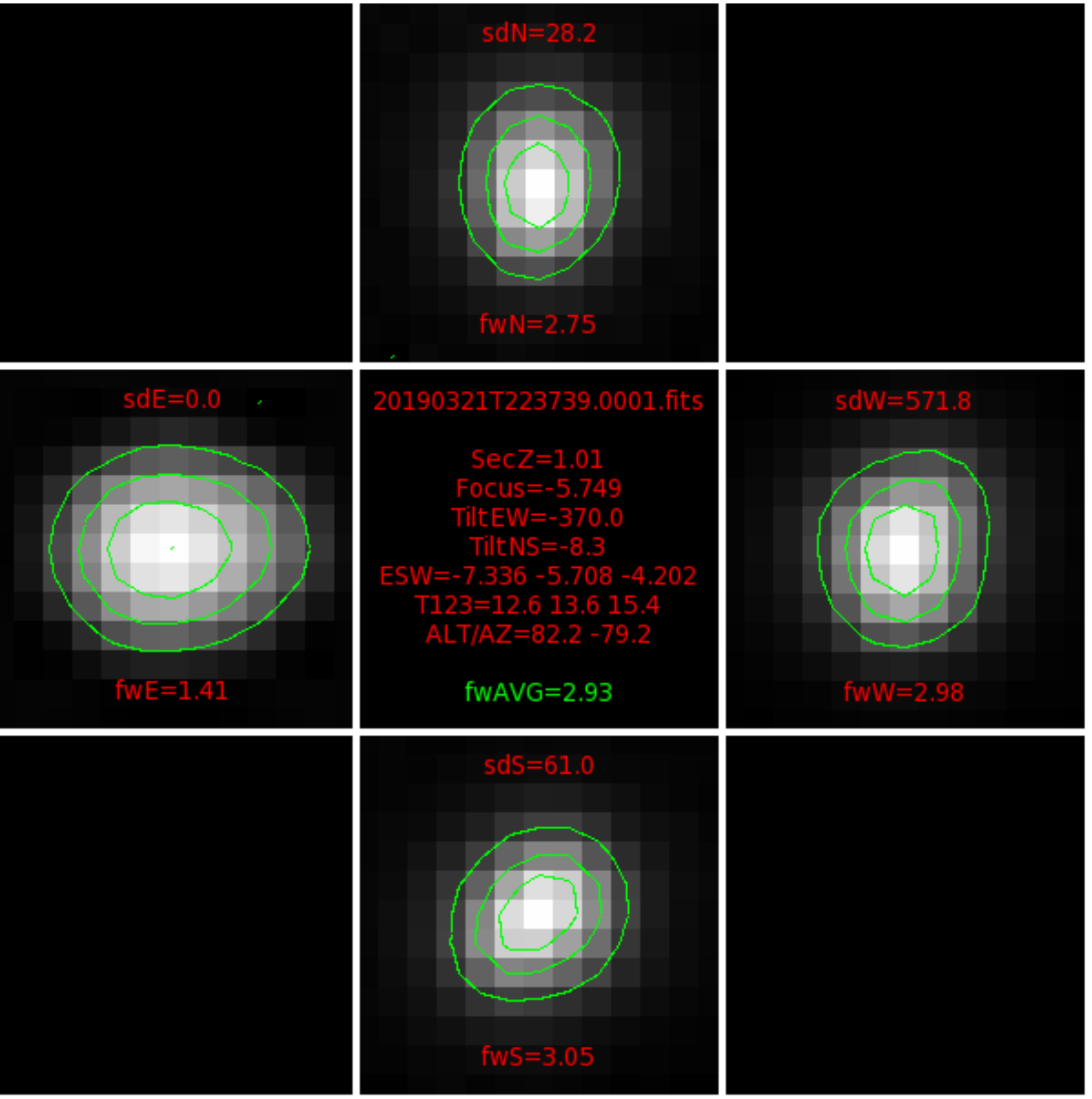
sdN=28.2
fwN=2.75
sdE=0.0
fwE=1.41
20190321T223739.0001.fits
SecZ=1.01
Focus=-5.749
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.336 -5.708 -4.202
T123=12.6 13.6 15.4
ALT/AZ=82.2 -79.2
fwAVG=2.93
sdW=571.8
fwW=2.98
sdS=61.0
fwS=3.05
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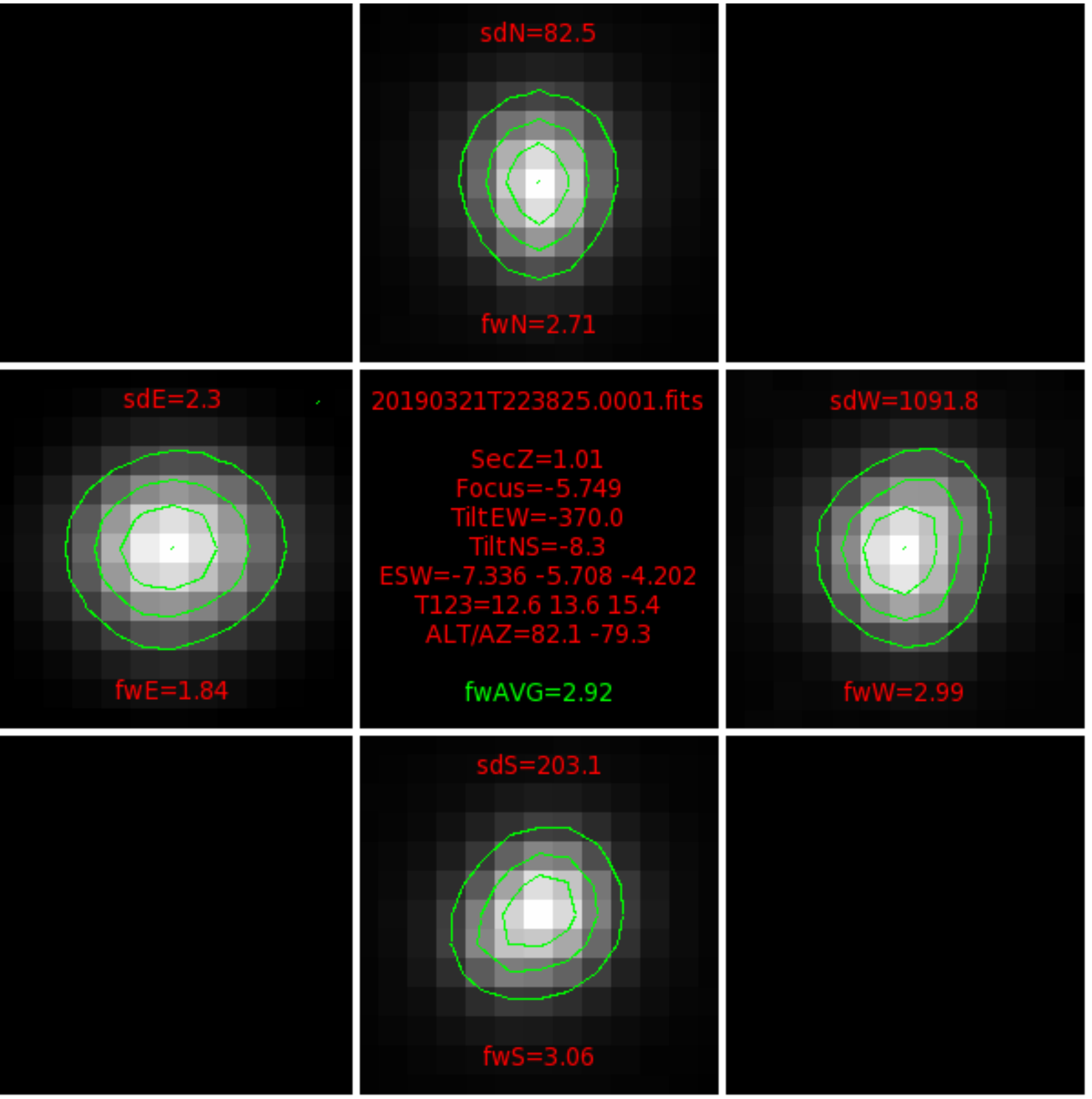
sdN=82.5
fwN=2.71
sdE=2.3
fwE=1.84
20190321T223825.0001.fits
SecZ=1.01
Focus=-5.749
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.336 -5.708 -4.202
T123=12.6 13.6 15.4
ALT/AZ=82.1 -79.3
fwAVG=2.92
sdW=1091.8
fwW=2.99
sdS=203.1
fwS=3.06
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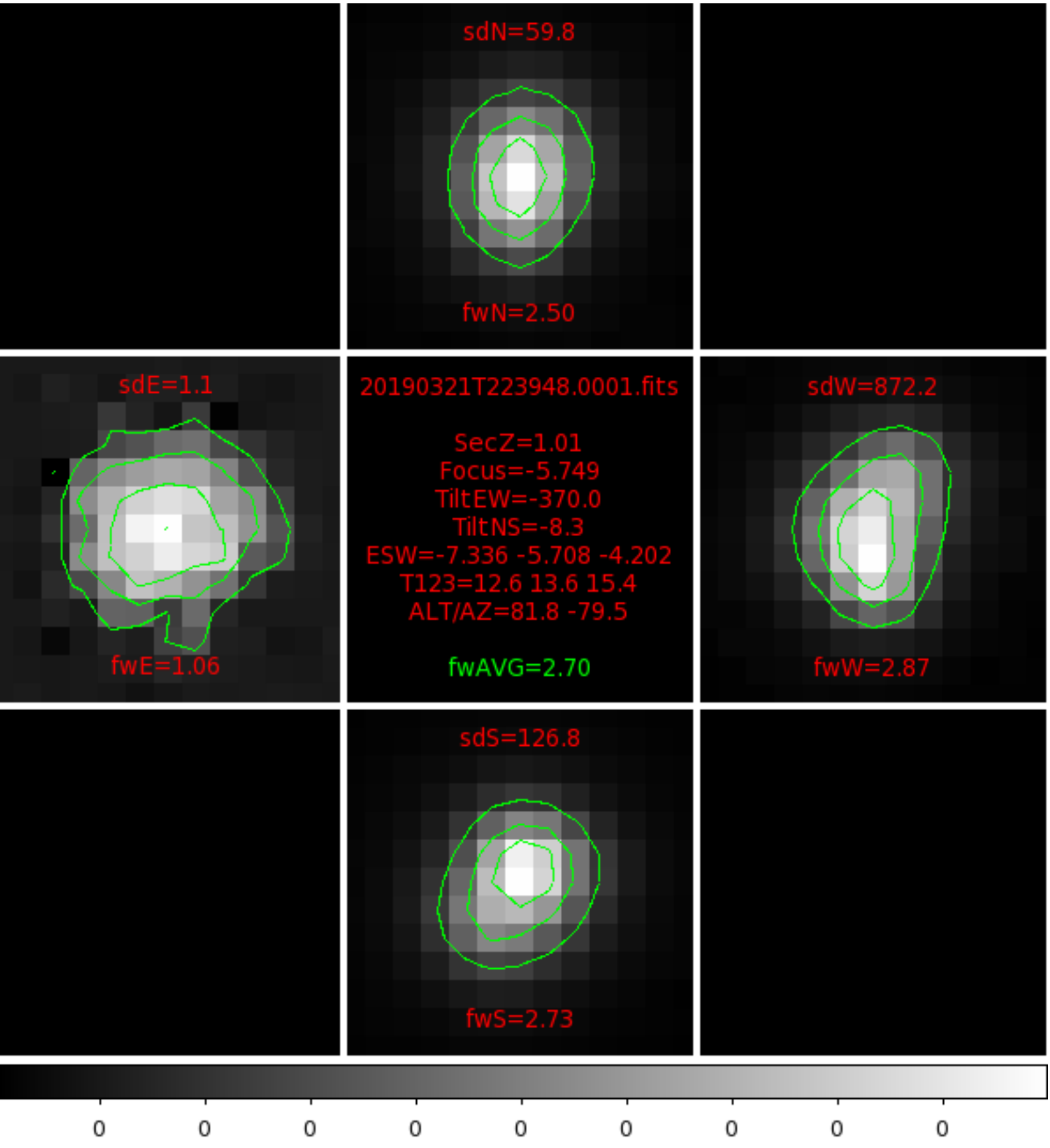
sdN=59.8
fwN=2.50
sdE=1.1
fwE=1.06
20190321T223948.0001.fits
SecZ=1.01
Focus=-5.749
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.336 -5.708 -4.202
T123=12.6 13.6 15.4
ALT/AZ=81.8 -79.5
fwAVG=2.70
sdW=872.2
fwW=2.87
sdS=126.8
fwS=2.73
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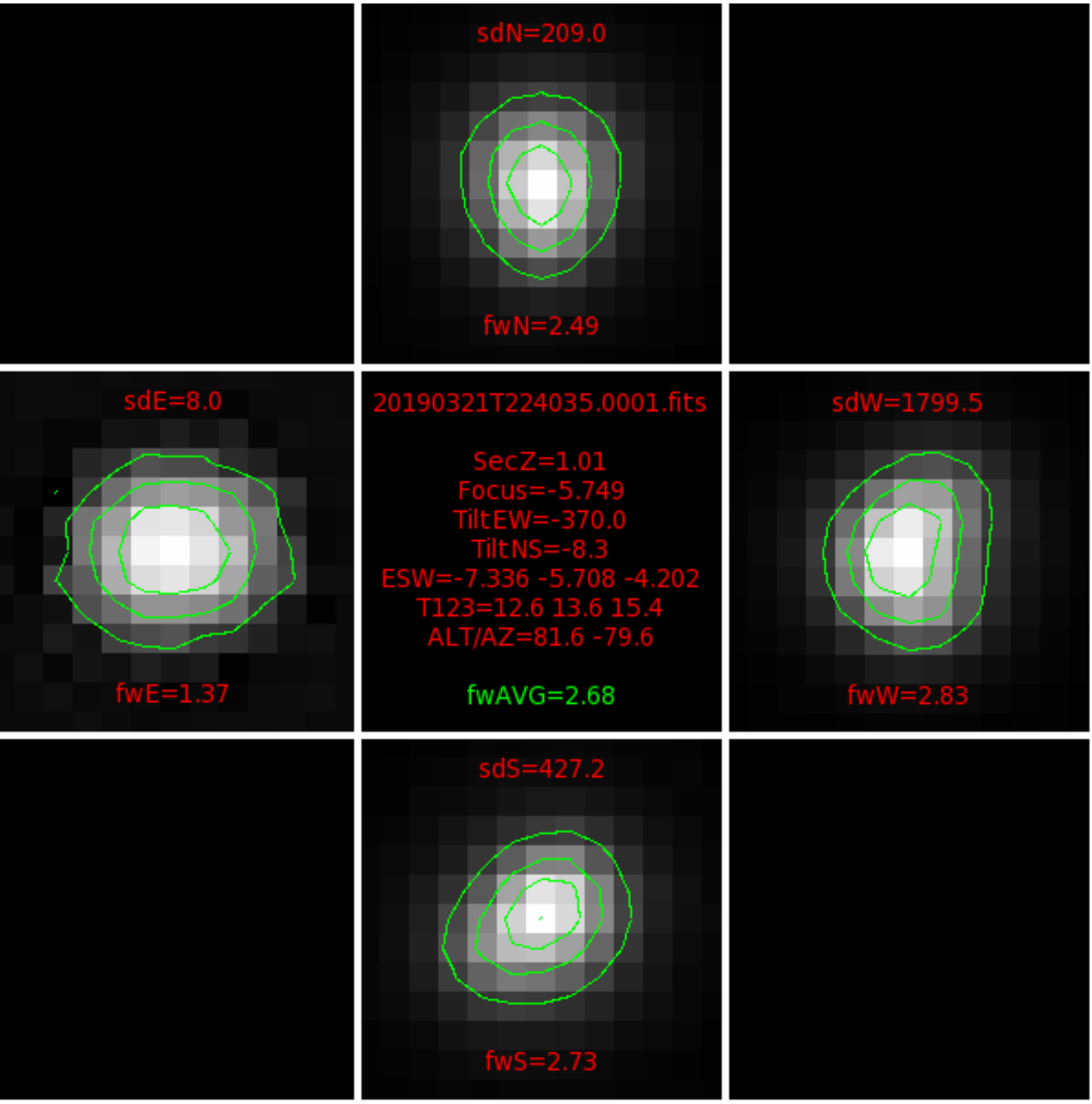
sdN=209.0
fwN=2.49
sdE=8.0
fwE=1.37
20190321T224035.0001.fits
SecZ=1.01
Focus=-5.749
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.336 -5.708 -4.202
T123=12.6 13.6 15.4
ALT/AZ=81.6 -79.6
fwAVG=2.68
sdW=1799.5
fwW=2.83
sdS=427.2
fwS=2.73
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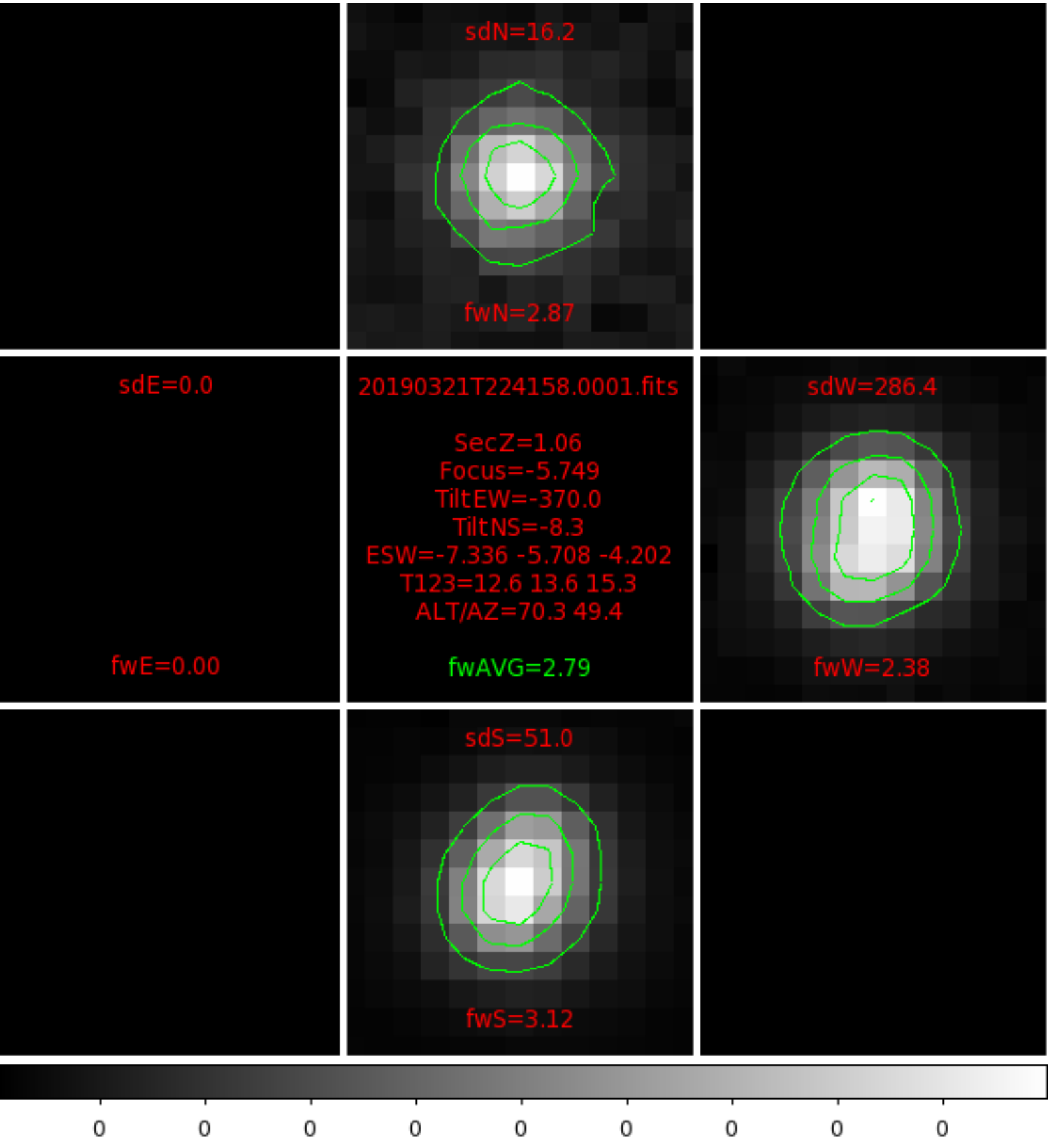
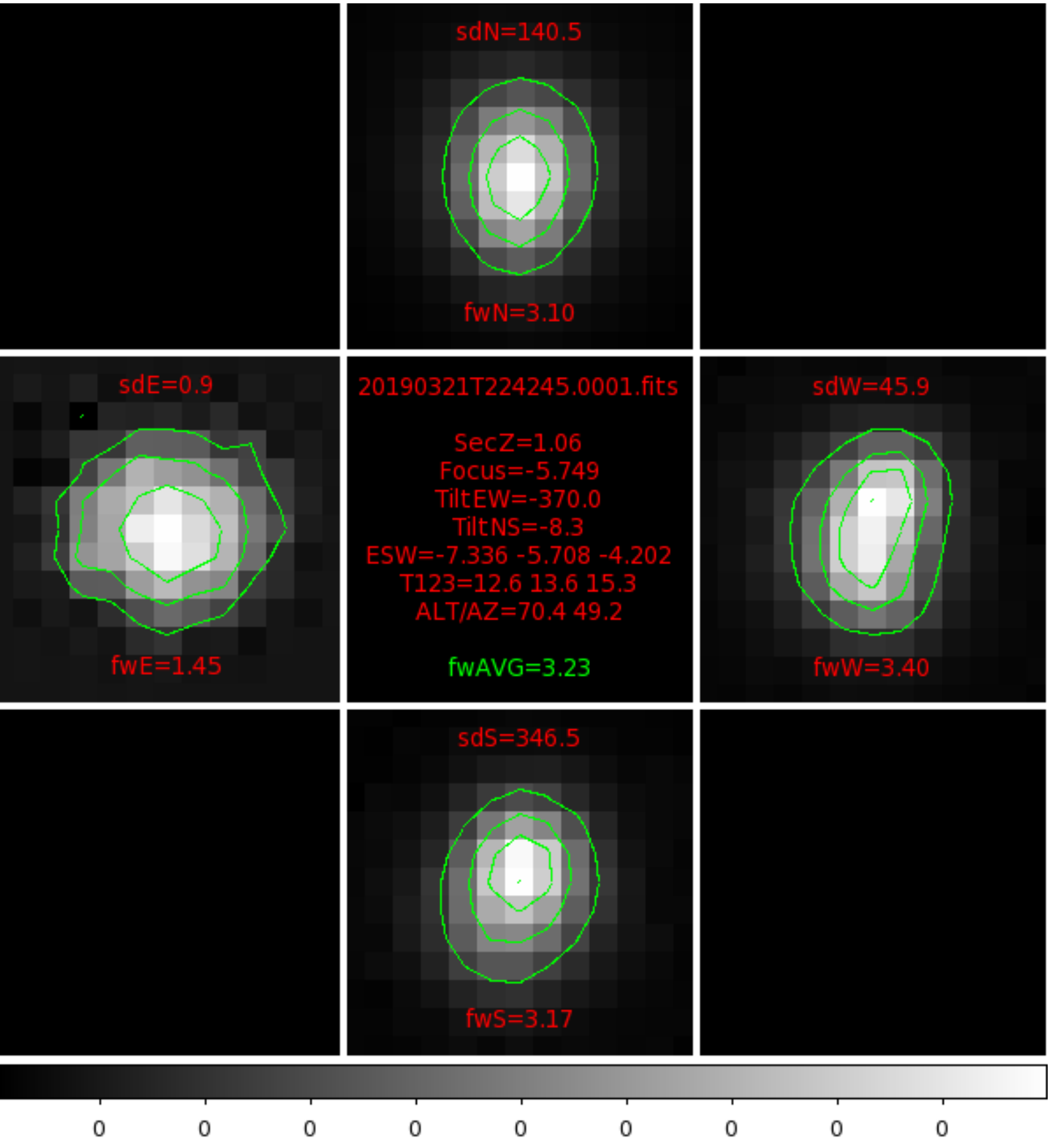

sdN=16.2
fwN=2.87
sdE=0.0
fwE=0.00
20190321T224158.0001.fits
SecZ=1.06
Focus=-5.749
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.336 -5.708 -4.202
T123=12.6 13.6 15.3
ALT/AZ=70.3 49.4
fwAVG=2.79
sdW=286.4
fwW=2.38
sdS=51.0
fwS=3.12
0 0 0 0 0 0 0 0 0


sdN=140.5
fwN=3.10
sdE=0.9
fwE=1.45
20190321T224245.0001.fits
SecZ=1.06
Focus=-5.749
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.336 -5.708 -4.202
T123=12.6 13.6 15.3
ALT/AZ=70.4 49.2
fwAVG=3.23
sdW=45.9
fwW=3.40
sdS=346.5
fwS=3.17
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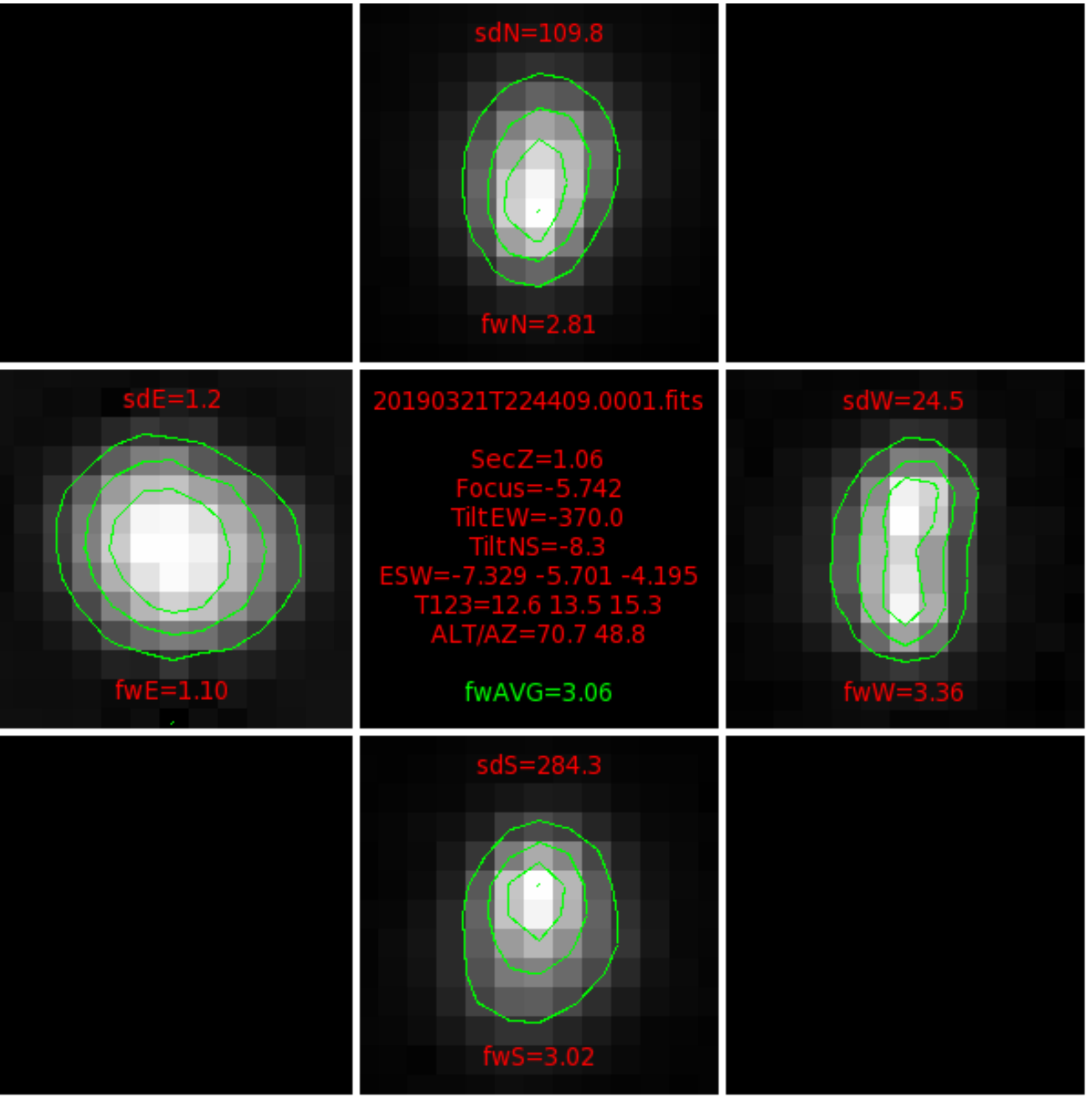
sdN=109.8
fwN=2.81
sdE=1.2
fwE=1.10
20190321T224409.0001.fits
SecZ=1.06
Focus=-5.742
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.329 -5.701 -4.195
T123=12.6 13.5 15.3
ALT/AZ=70.7 48.8
fwAVG=3.06
sdW=24.5
fwW=3.36
sdS=284.3
fwS=3.02
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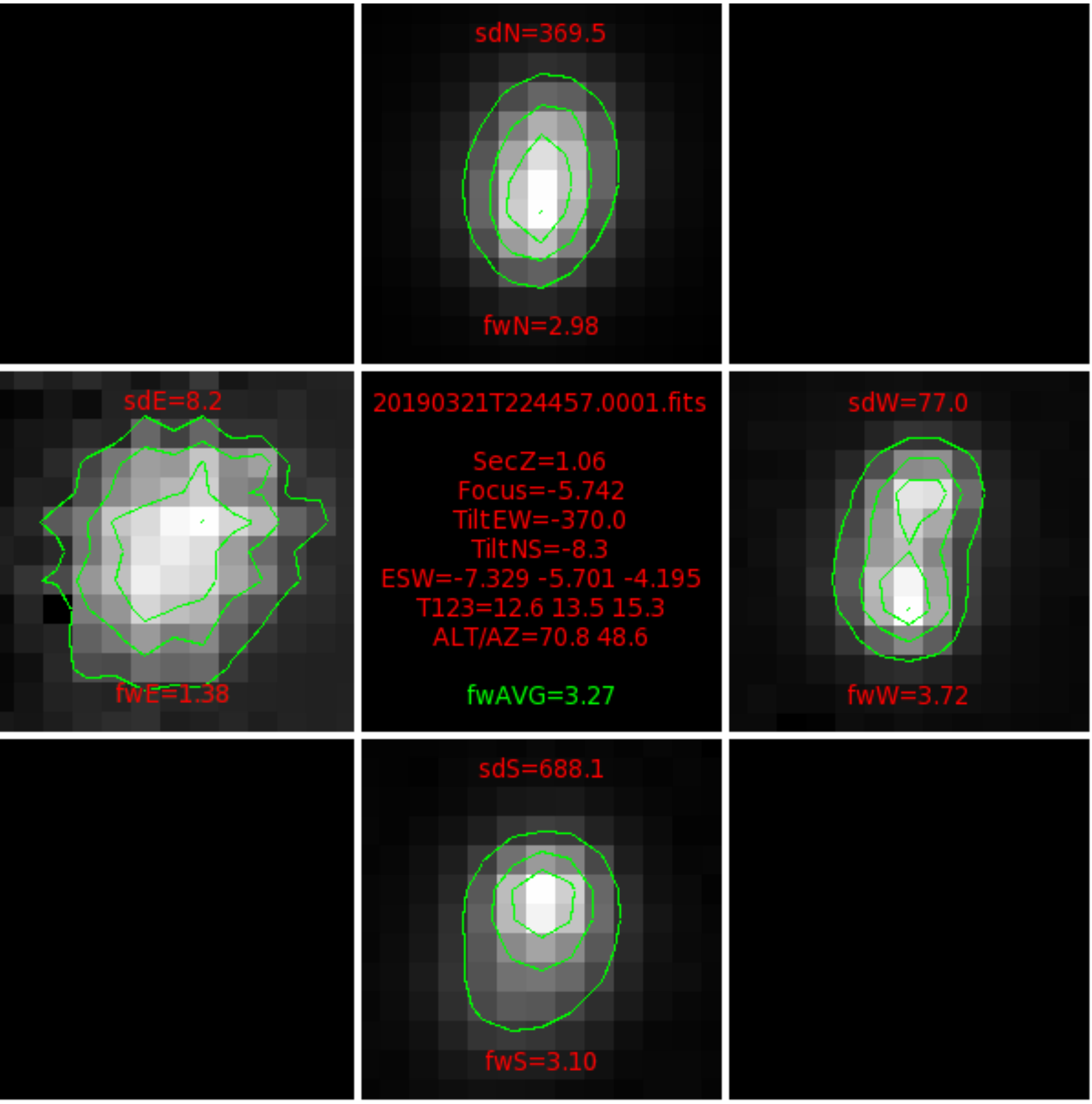
sdN=369.5
fwN=2.98
sdE=8.2
fwE=1.38
20190321T224457.0001.fits
SecZ=1.06
Focus=-5.742
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.329 -5.701 -4.195
T123=12.6 13.5 15.3
ALT/AZ=70.8 48.6
fwAVG=3.27
sdW=77.0
fwW=3.72
sdS=688.1
fwS=3.10
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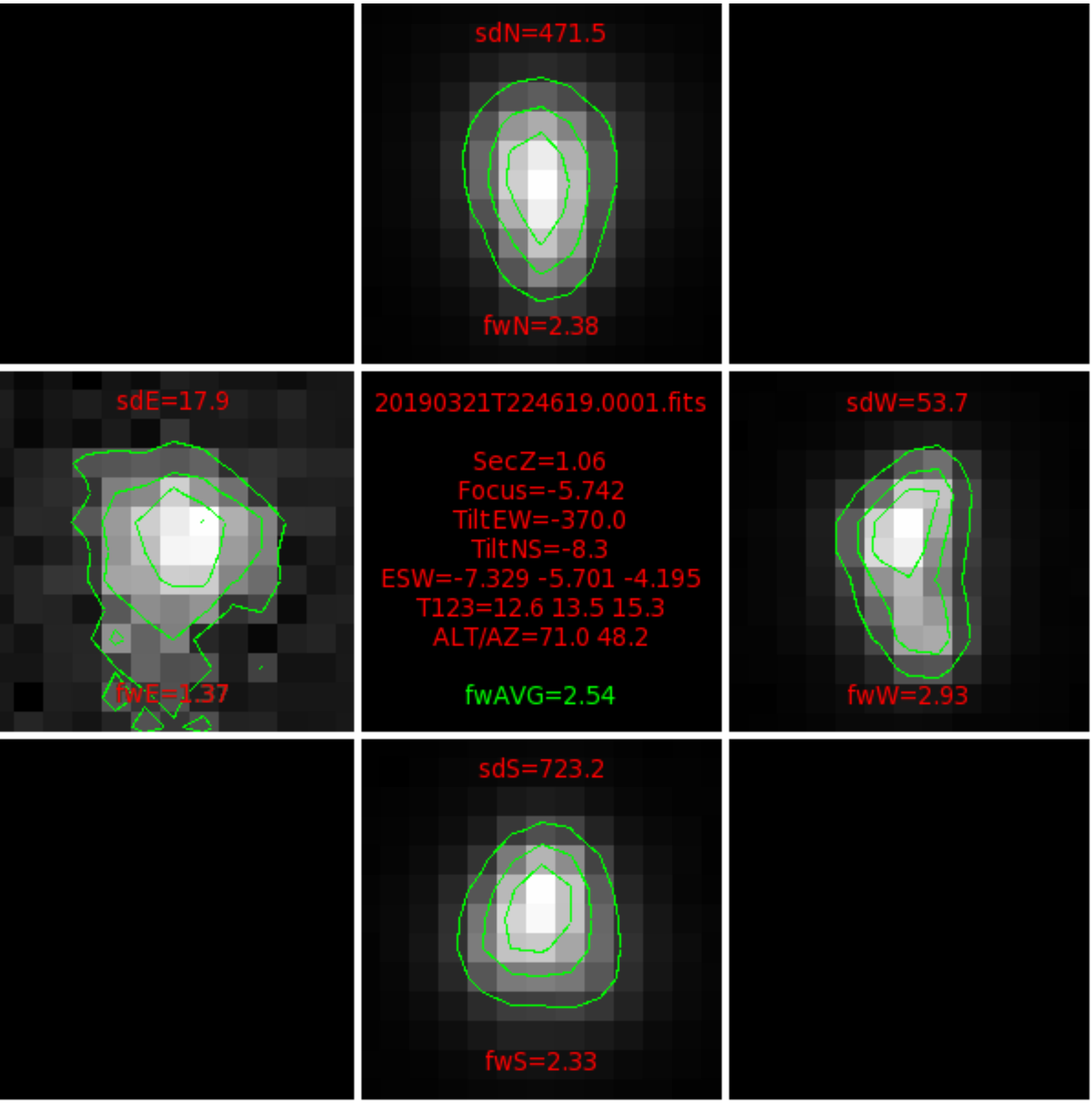
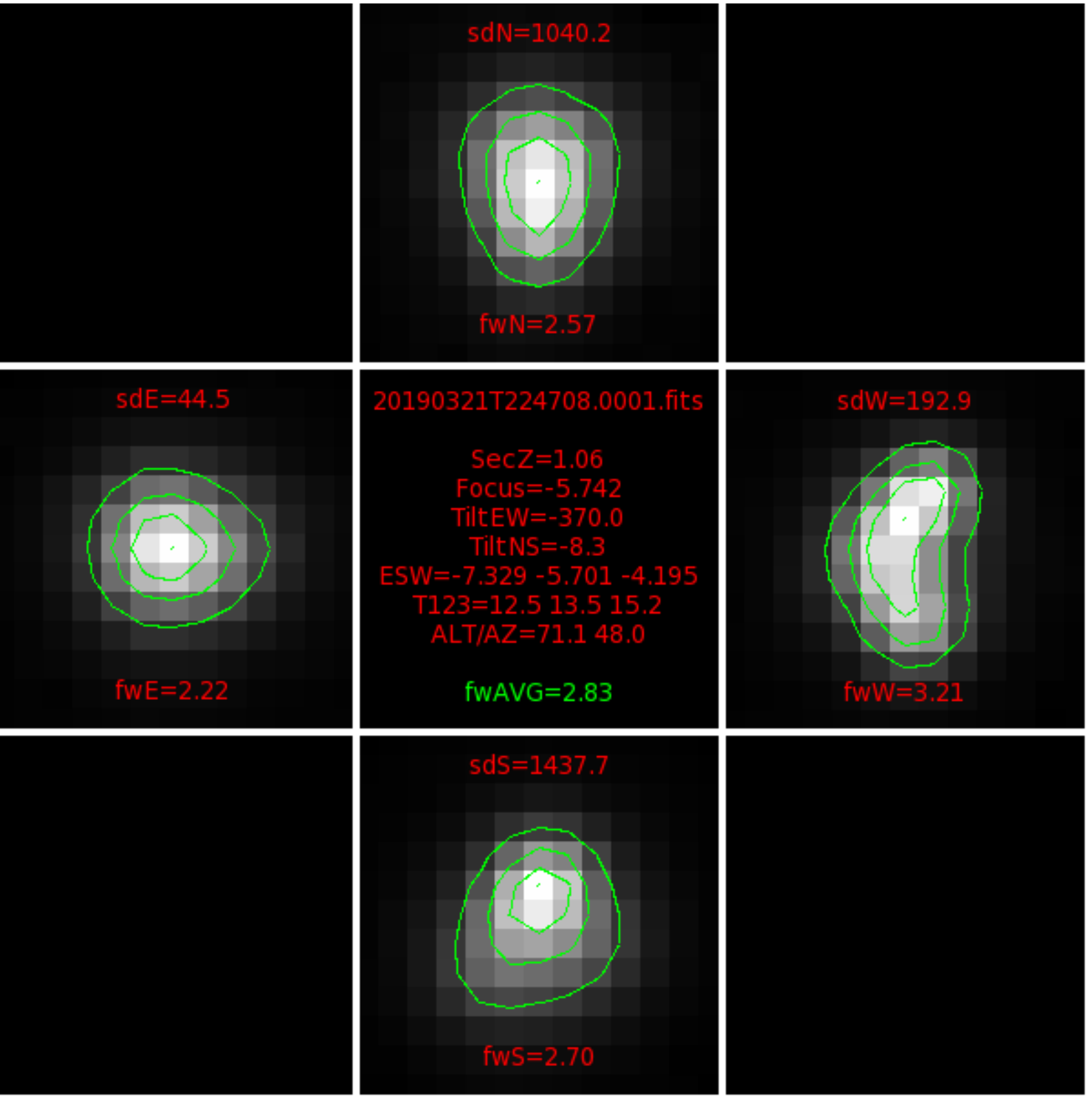

sdN=471.5
fwN=2.38
sdE=17.9
fwE=1.37
20190321T224619.0001.fits
SecZ=1.06
Focus=-5.742
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.329 -5.701 -4.195
T123=12.6 13.5 15.3
ALT/AZ=71.0 48.2
fwAVG=2.54
sdW=53.7
fwW=2.93
sdS=723.2
fwS=2.33
0 0 0 0 0 0 0 0 0


sdN=1040.2
fwN=2.57
sdE=44.5
fwE=2.22
20190321T224708.0001.fits
SecZ=1.06
Focus=-5.742
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.329 -5.701 -4.195
T123=12.5 13.5 15.2
ALT/AZ=71.1 48.0
fwAVG=2.83
sdW=192.9
fwW=3.21
sdS=1437.7
fwS=2.70
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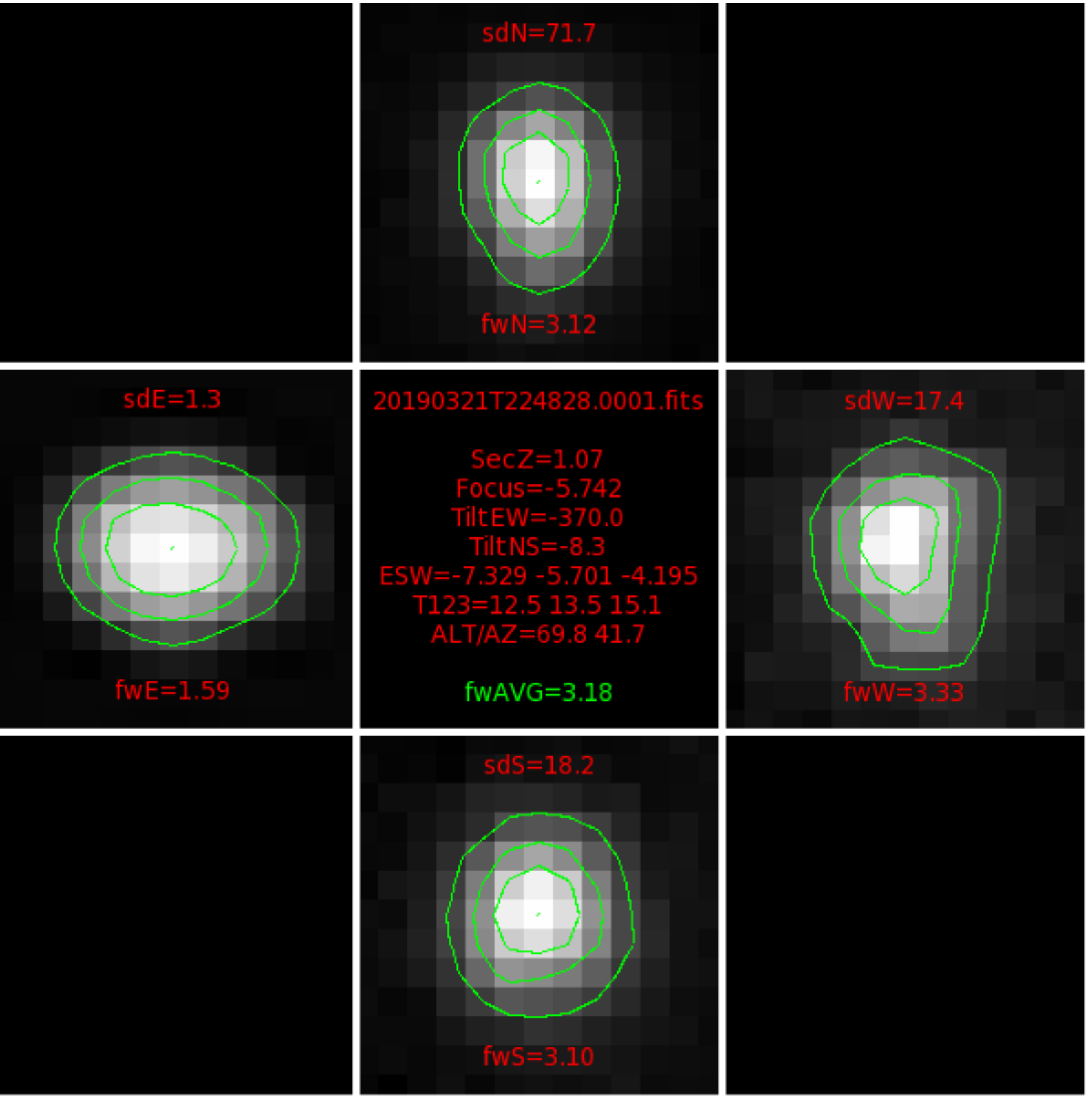
sdN=71.7
fwN=3.12
sdE=1.3
fwE=1.59
20190321T224828.0001.fits
SecZ=1.07
Focus=-5.742
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.329 -5.701 -4.195
T123=12.5 13.5 15.1
ALT/AZ=69.8 41.7
fwAVG=3.18
sdW=17.4
fwW=3.33
sdS=18.2
fwS=3.10
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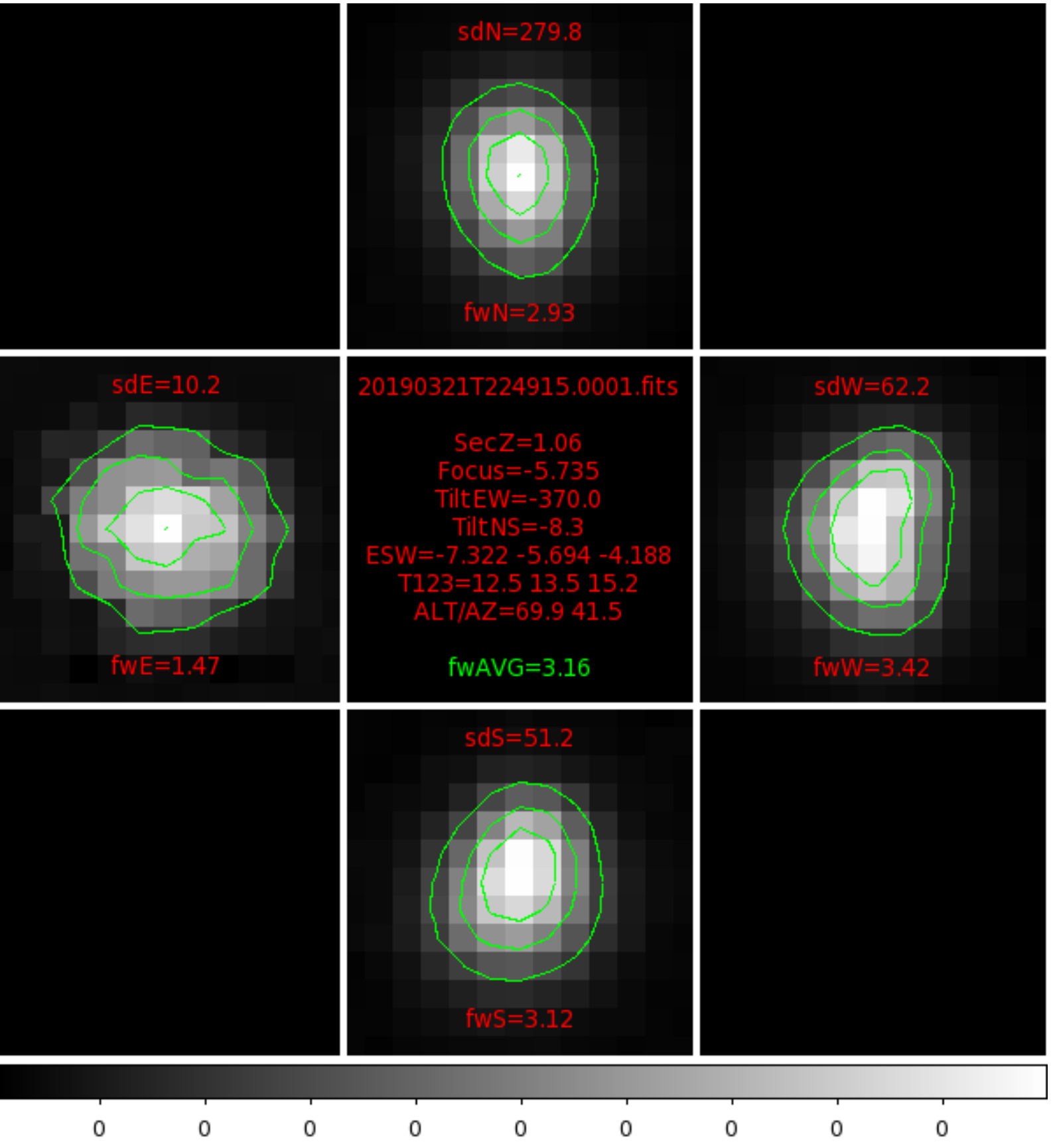
sdN=279.8
fwN=2.93
sdE=10.2
fwE=1.47
20190321T224915.0001.fits
SecZ=1.06
Focus=-5.735
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.322 -5.694 -4.188
T123=12.5 13.5 15.2
ALT/AZ=69.9 41.5
fwAVG=3.16
sdW=62.2
fwW=3.42
sdS=51.2
fwS=3.12
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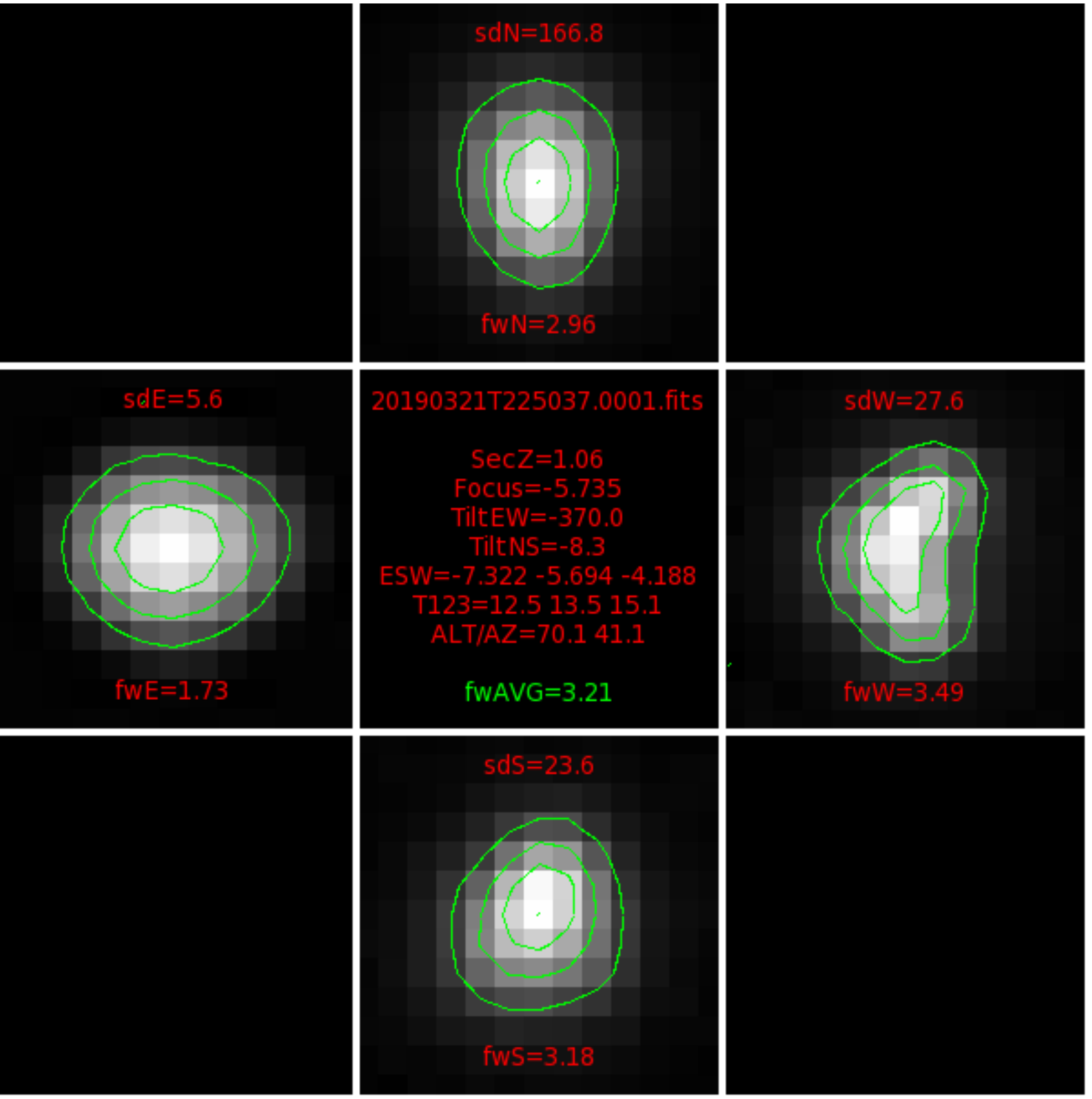
sdN=166.8
fwN=2.96
sdE=5.6
fwE=1.73
20190321T225037.0001.fits
SecZ=1.06
Focus=-5.735
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.322 -5.694 -4.188
T123=12.5 13.5 15.1
ALT/AZ=70.1 41.1
fwAVG=3.21
sdW=27.6
fwW=3.49
sdS=23.6
fwS=3.18
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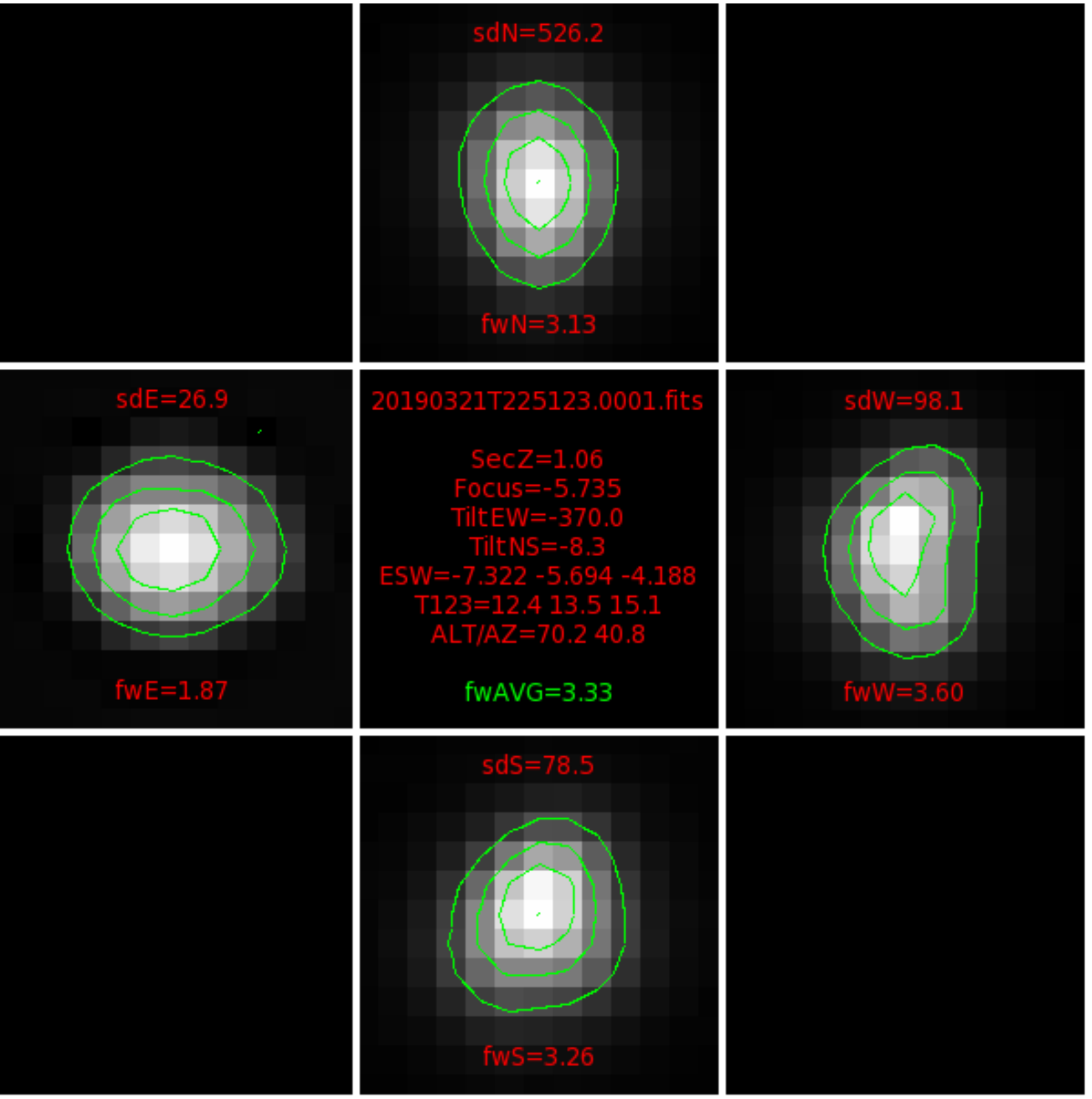
sdN=526.2
fwN=3.13
sdE=26.9
fwE=1.87
20190321T225123.0001.fits
SecZ=1.06
Focus=-5.735
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.322 -5.694 -4.188
T123=12.4 13.5 15.1
ALT/AZ=70.2 40.8
fwAVG=3.33
sdW=98.1
fwW=3.60
sdS=78.5
fwS=3.26
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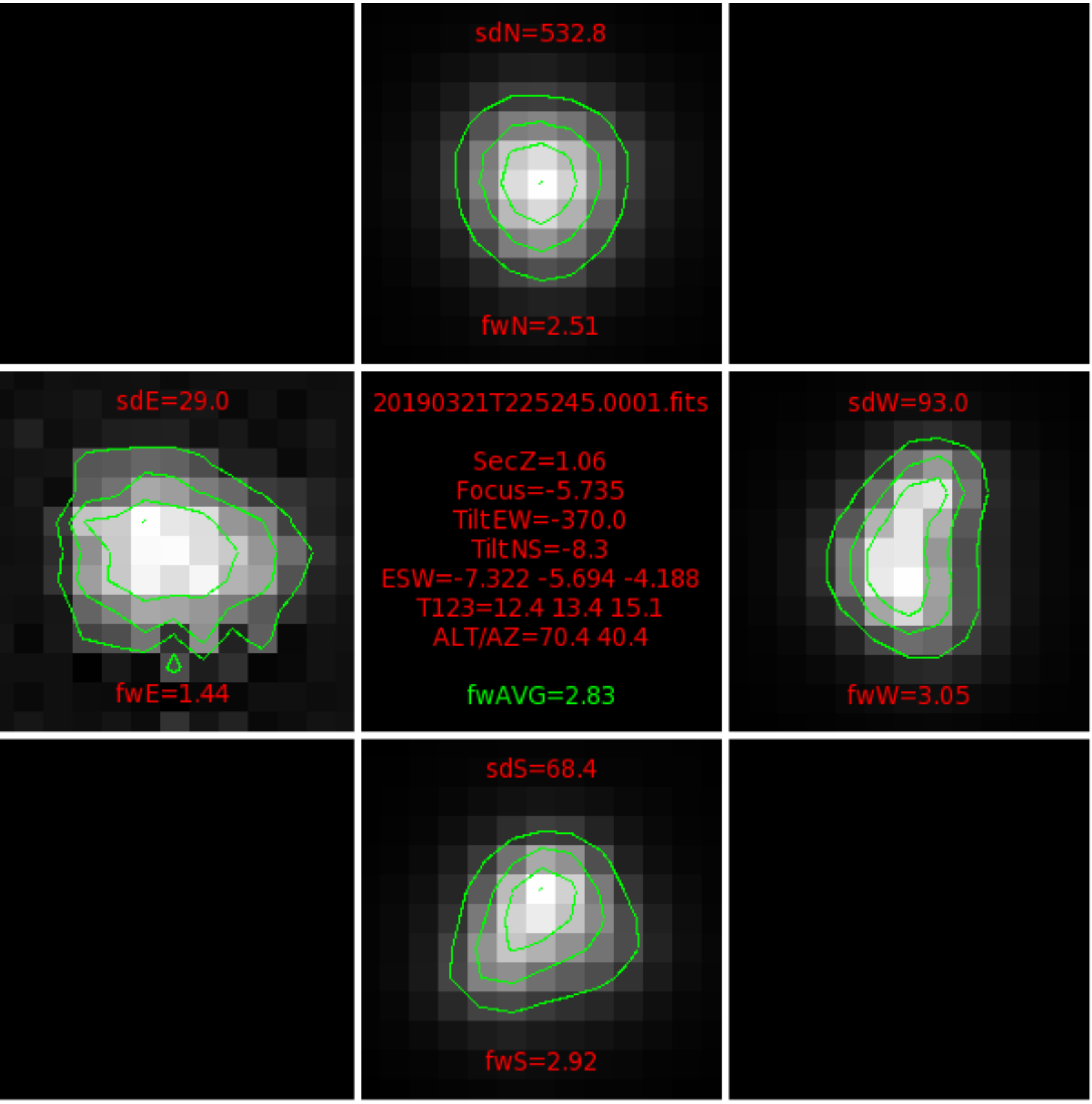
sdN=532.8
fwN=2.51
sdE=29.0
fwE=1.44
20190321T225245.0001.fits
SecZ=1.06
Focus=-5.735
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.322 -5.694 -4.188
T123=12.4 13.4 15.1
ALT/AZ=70.4 40.4
fwAVG=2.83
sdW=93.0
fwW=3.05
sdS=68.4
fwS=2.92
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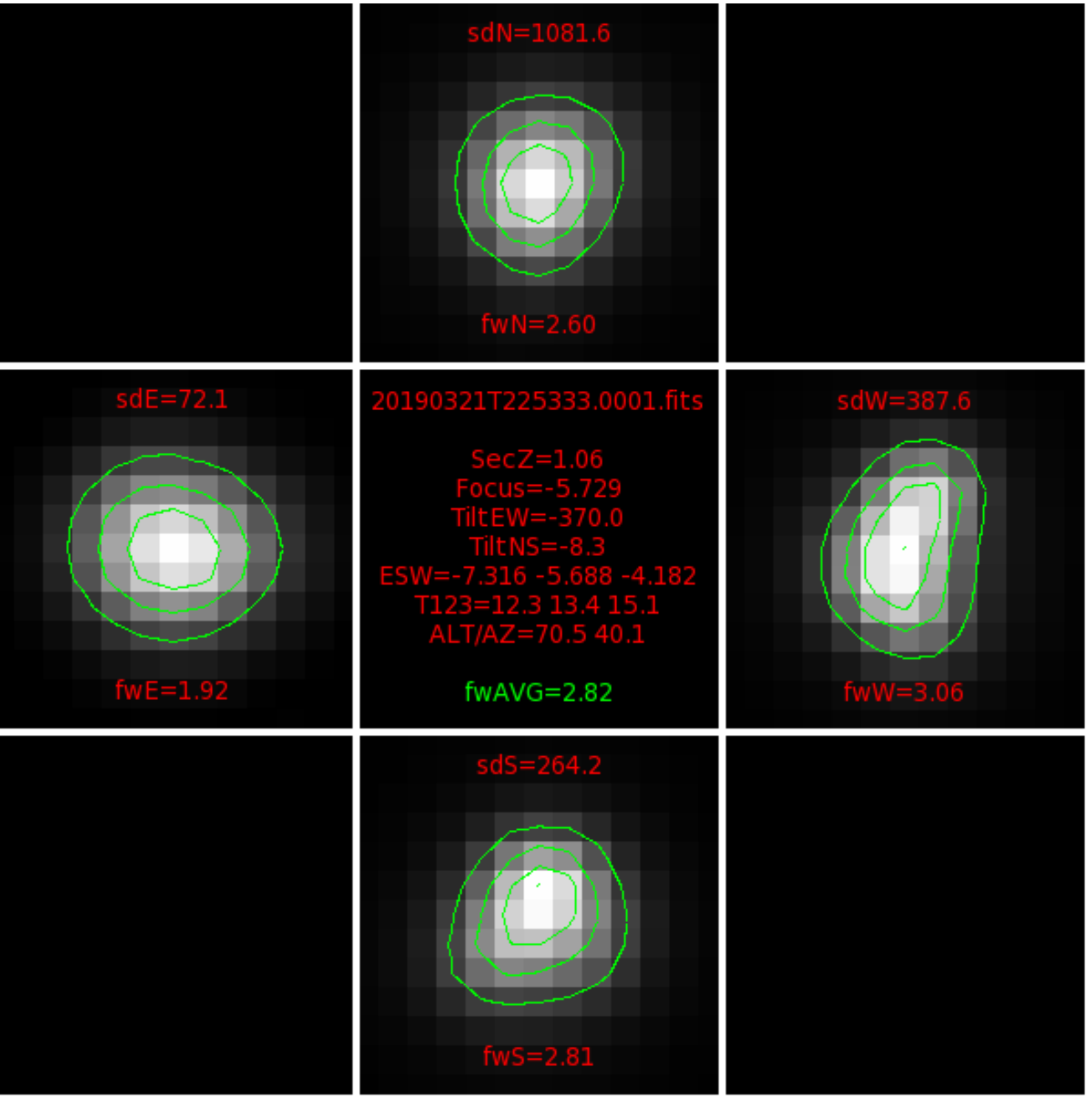
sdN=1081.6
fwN=2.60
sdE=72.1
fwE=1.92
20190321T225333.0001.fits
SecZ=1.06
Focus=-5.729
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.316 -5.688 -4.182
T123=12.3 13.4 15.1
ALT/AZ=70.5 40.1
fwAVG=2.82
sdW=387.6
fwW=3.06
sdS=264.2
fwS=2.81
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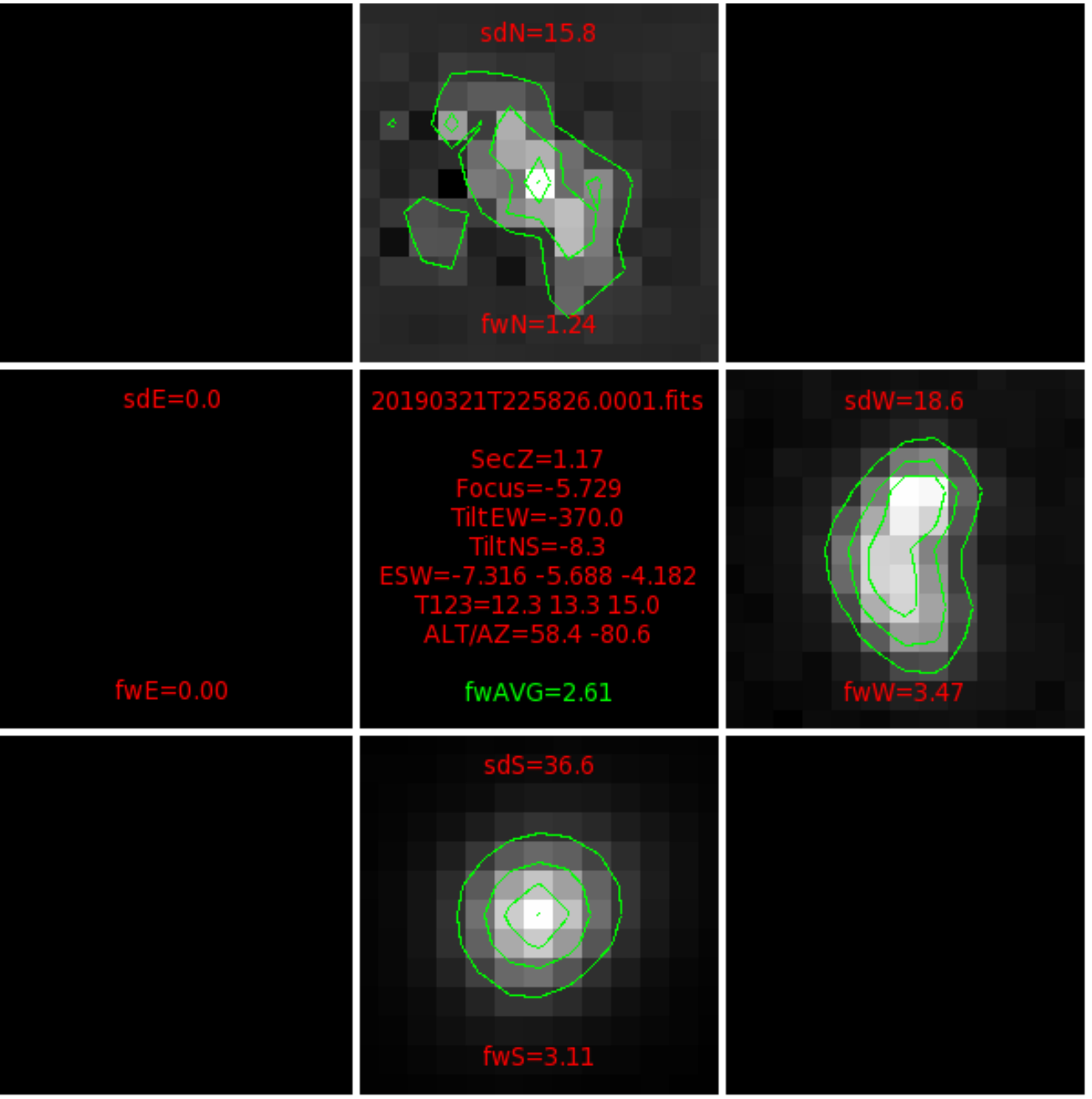
sdN=15.8
fwN=1.24
sdE=0.0
fwE=0.00
20190321T225826.0001.fits
SecZ=1.17
Focus=-5.729
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.316 -5.688 -4.182
T123=12.3 13.3 15.0
ALT/AZ=58.4 -80.6
fwAVG=2.61
sdW=18.6
fwW=3.47
sdS=36.6
fwS=3.11
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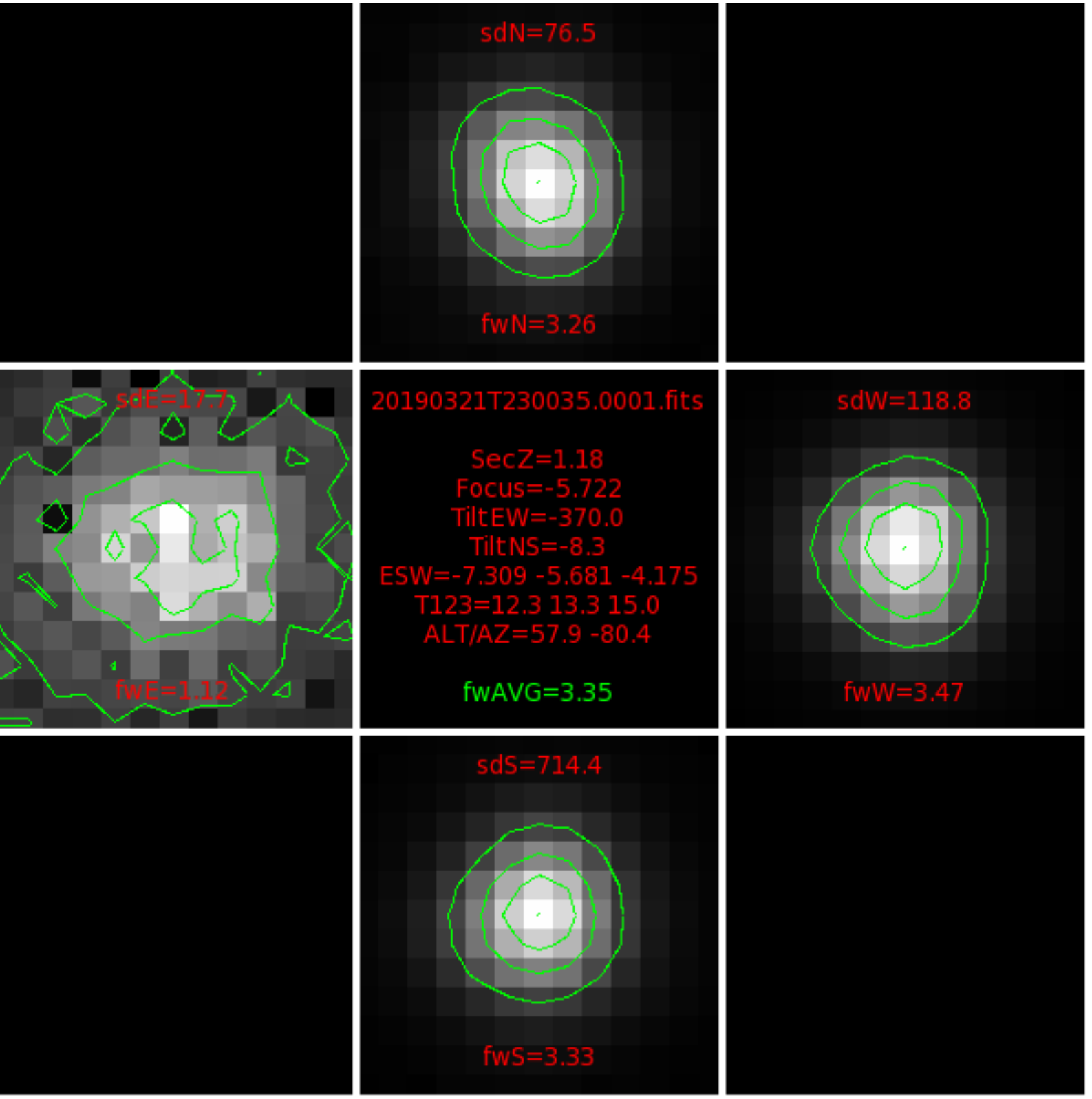
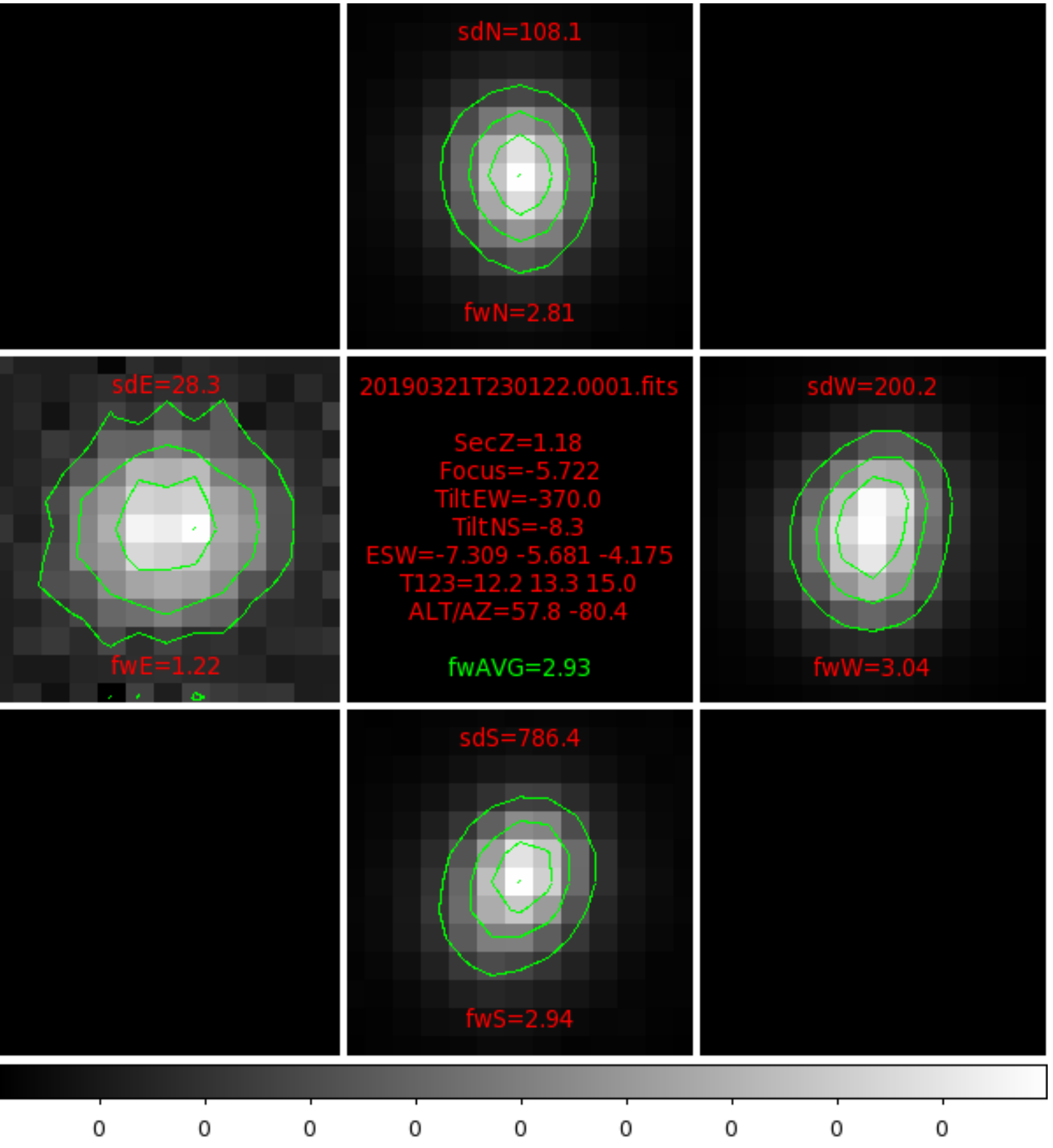

sdN=76.5
fwN=3.26
sdE=17.7
fwE=1.12
20190321T230035.0001.fits
SecZ=1.18
Focus=-5.722
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.309 -5.681 -4.175
T123=12.3 13.3 15.0
ALT/AZ=57.9 -80.4
fwAVG=3.35
sdW=118.8
fwW=3.47
sdS=714.4
fwS=3.33
0 0 0 0 0 0 0 0 0


sdN=108.1
fwN=2.81
sdE=28.3
fwE=1.22
20190321T230122.0001.fits
SecZ=1.18
Focus=-5.722
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.309 -5.681 -4.175
T123=12.2 13.3 15.0
ALT/AZ=57.8 -80.4
fwAVG=2.93
sdW=200.2
fwW=3.04
sdS=786.4
fwS=2.94
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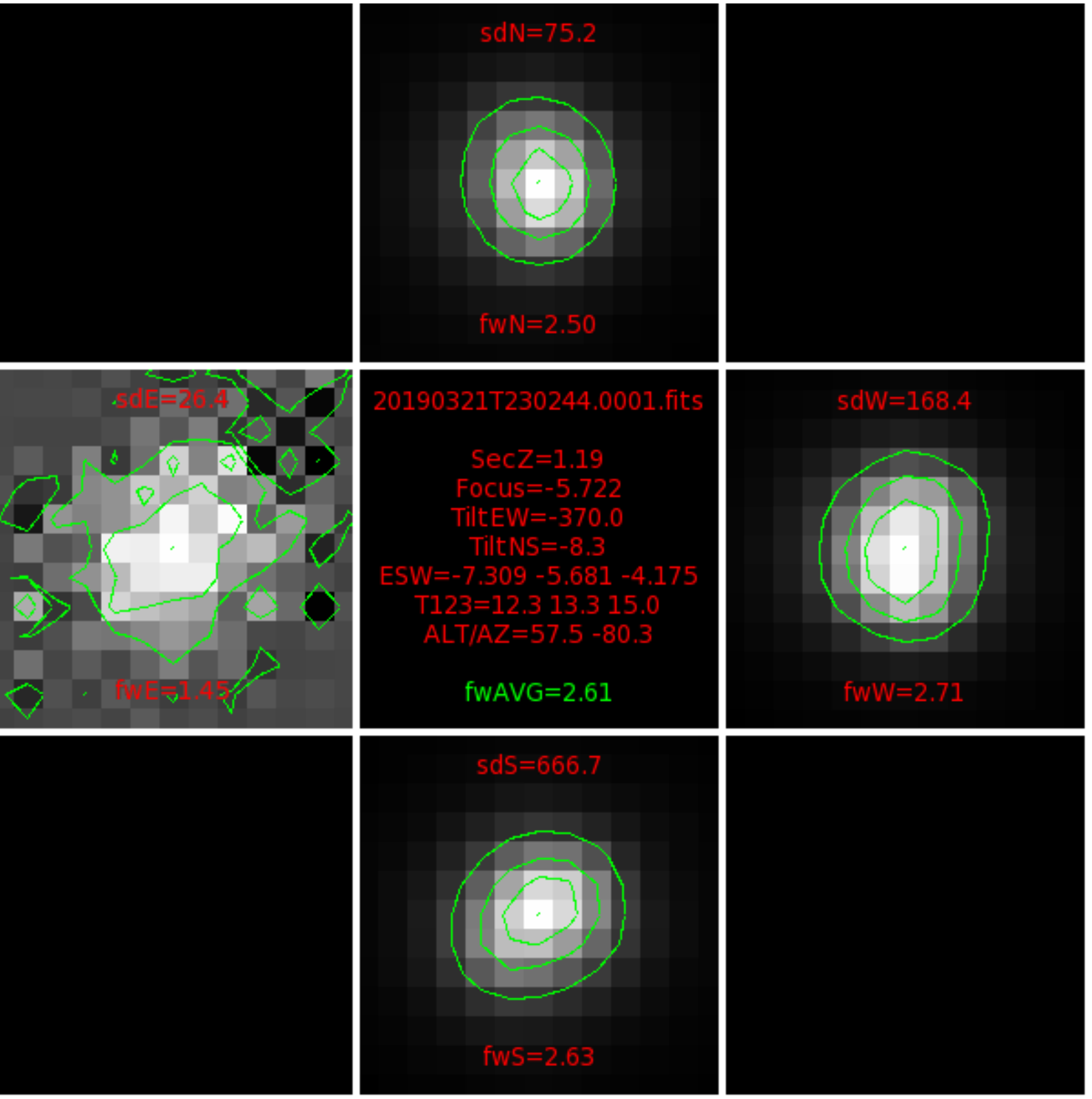
sdN=75.2
fwN=2.50
sdE=26.4
fwE=1.45
20190321T230244.0001.fits
SecZ=1.19
Focus=-5.722
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.309 -5.681 -4.175
T123=12.3 13.3 15.0
ALT/AZ=57.5 -80.3
fwAVG=2.61
sdW=168.4
fwW=2.71
sdS=666.7
fwS=2.63
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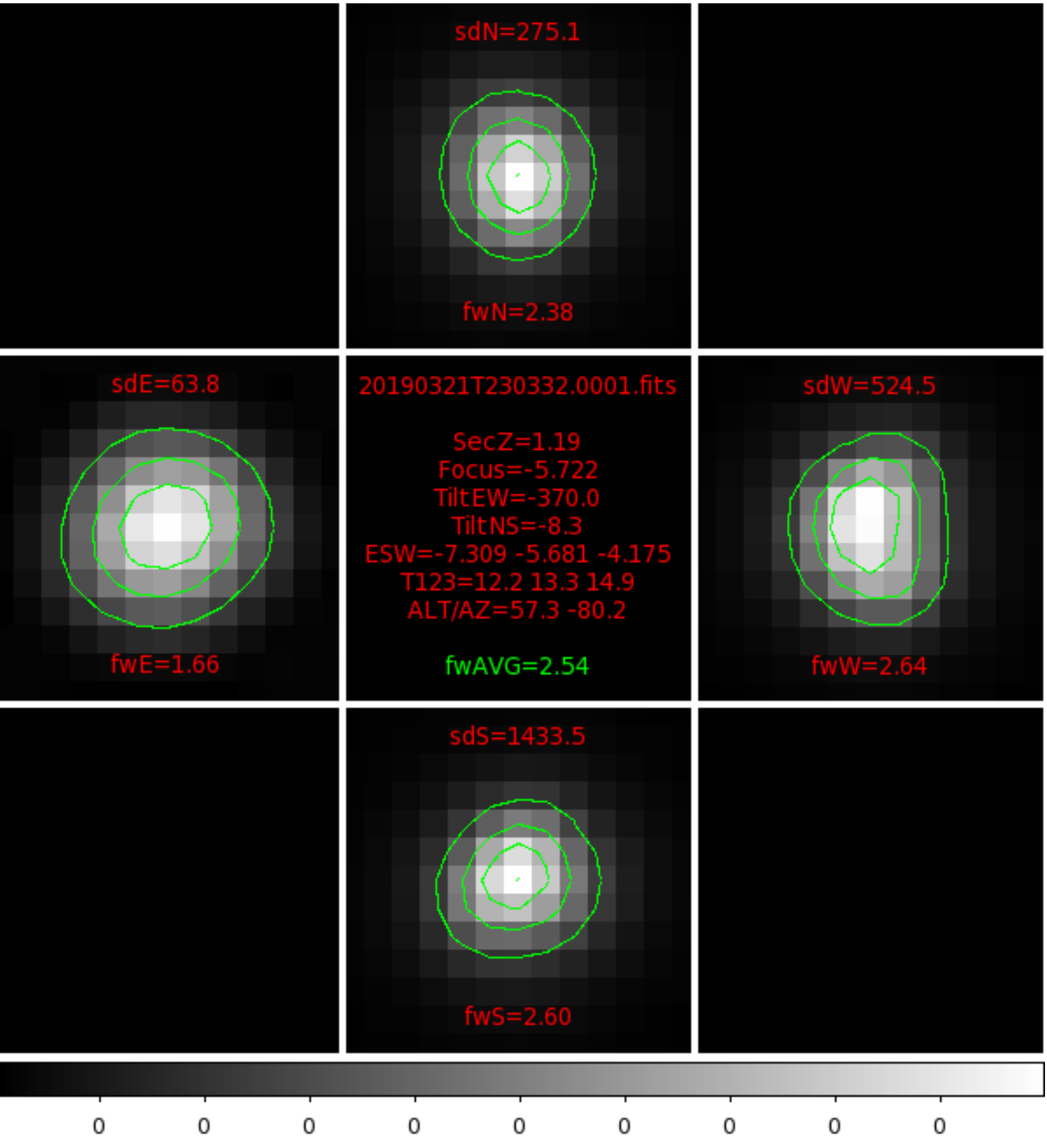
sdN=275.1
fwN=2.38
sdE=63.8
fwE=1.66
20190321T230332.0001.fits
SecZ=1.19
Focus=-5.722
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.309 -5.681 -4.175
T123=12.2 13.3 14.9
ALT/AZ=57.3 -80.2
fwAVG=2.54
sdW=524.5
fwW=2.64
sdS=1433.5
fwS=2.60
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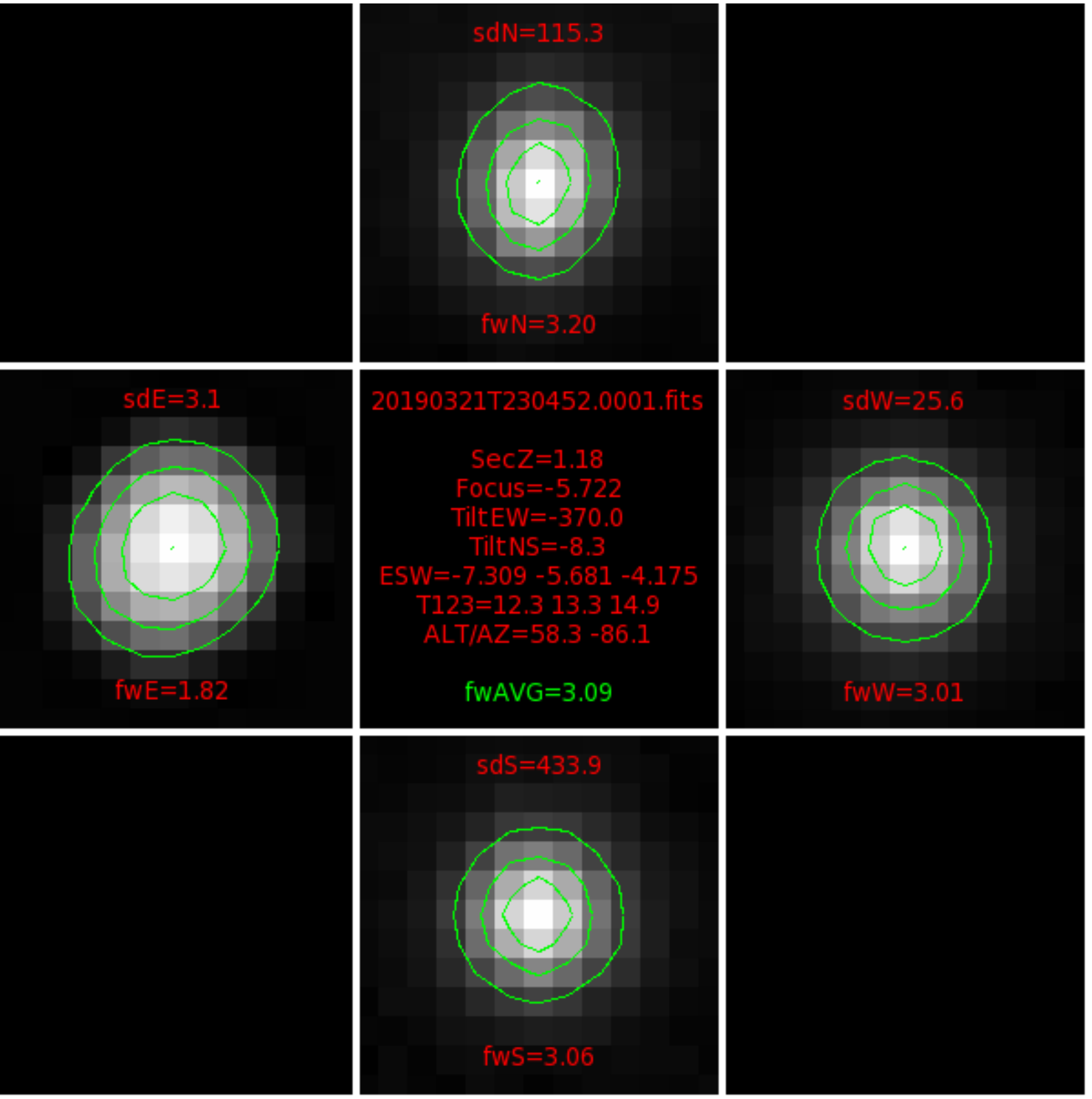
sdN=115.3
fwN=3.20
sdE=3.1
fwE=1.82
20190321T230452.0001.fits
SecZ=1.18
Focus=-5.722
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.309 -5.681 -4.175
T123=12.3 13.3 14.9
ALT/AZ=58.3 -86.1
fwAVG=3.09
sdW=25.6
fwW=3.01
sdS=433.9
fwS=3.06
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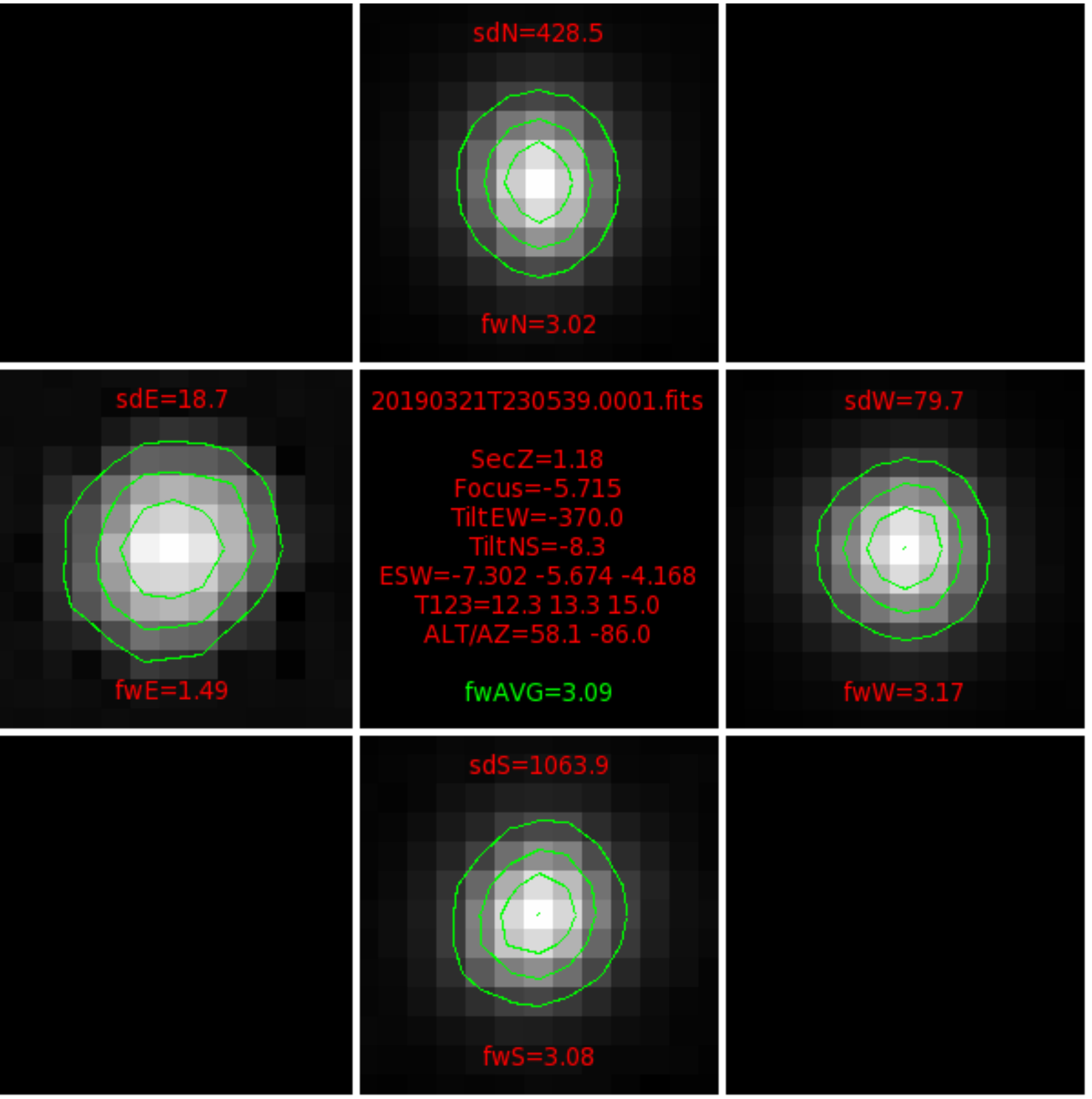
sdN=428.5
fwN=3.02
sdE=18.7
fwE=1.49
20190321T230539.0001.fits
SecZ=1.18
Focus=-5.715
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.302 -5.674 -4.168
T123=12.3 13.3 15.0
ALT/AZ=58.1 -86.0
fwAVG=3.09
sdW=79.7
fwW=3.17
sdS=1063.9
fwS=3.08
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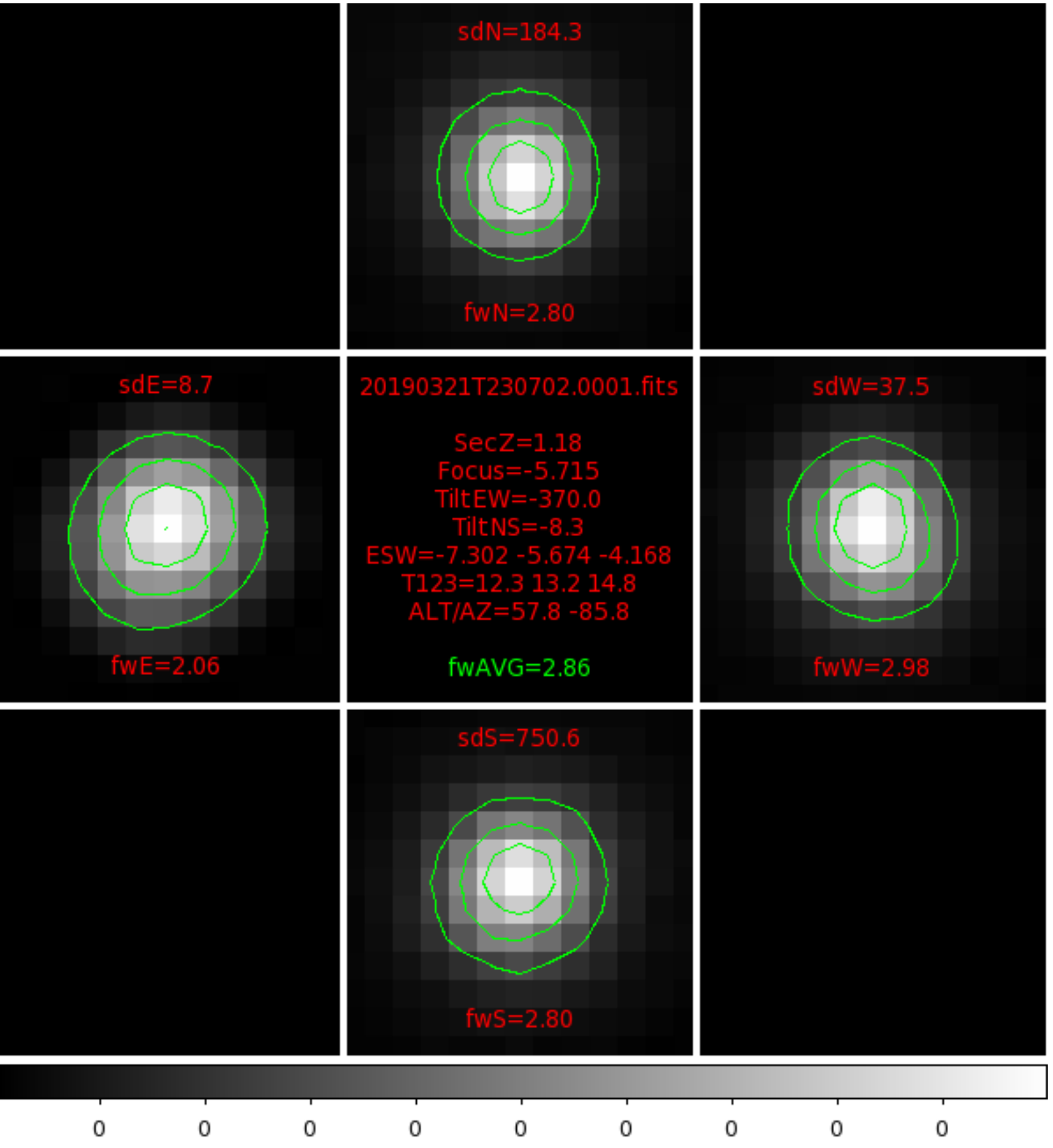
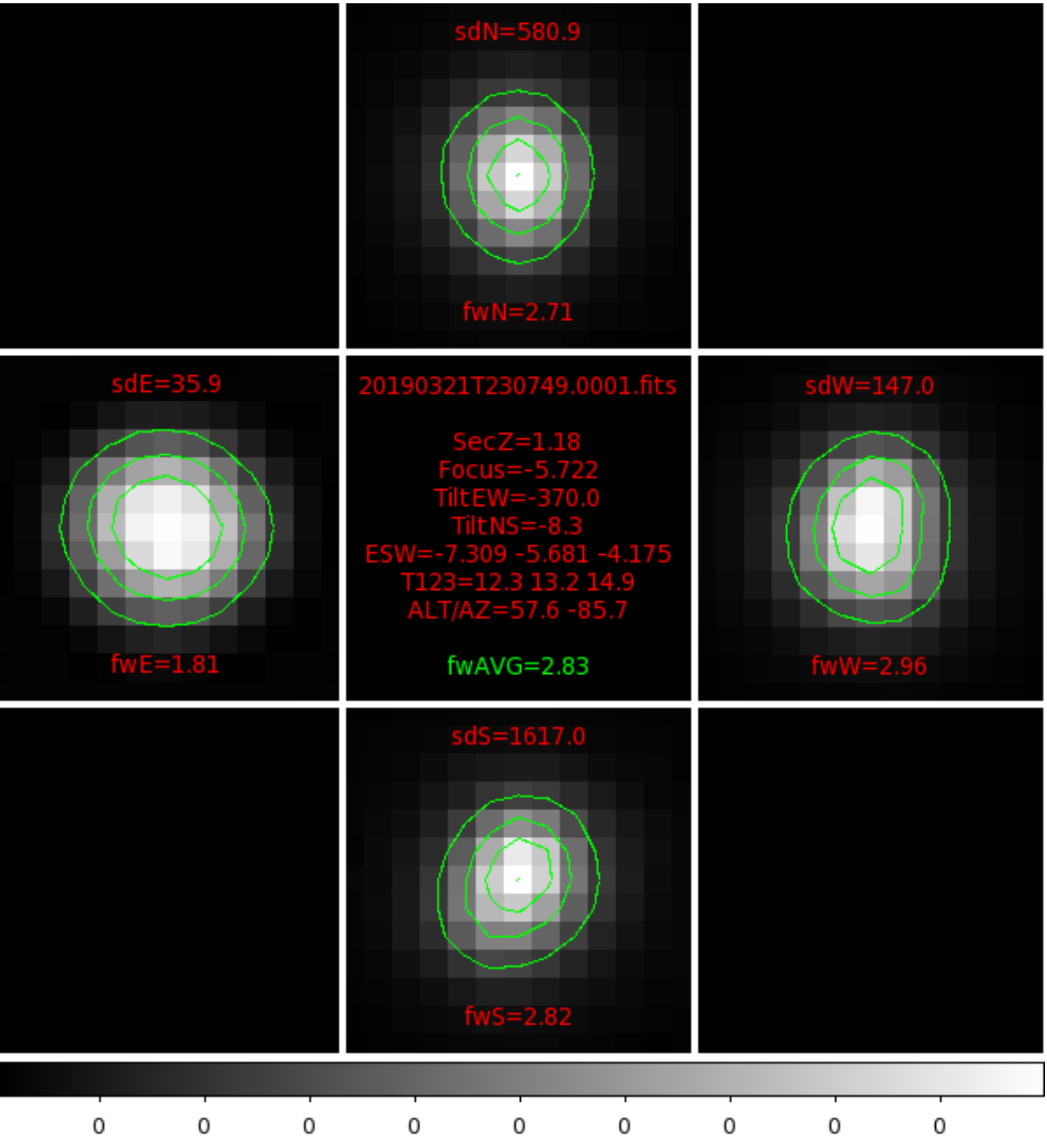

sdN=184.3
fwN=2.80
sdE=8.7
fwE=2.06
20190321T230702.0001.fits
SecZ=1.18
Focus=-5.715
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.302 -5.674 -4.168
T123=12.3 13.2 14.8
ALT/AZ=57.8 -85.8
fwAVG=2.86
sdW=37.5
fwW=2.98
sdS=750.6
fwS=2.80
0 0 0 0 0 0 0 0 0


sdN=580.9
fwN=2.71
sdE=35.9
fwE=1.81
20190321T230749.0001.fits
SecZ=1.18
Focus=-5.722
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.309 -5.681 -4.175
T123=12.3 13.2 14.9
ALT/AZ=57.6 -85.7
fwAVG=2.83
sdW=147.0
fwW=2.96
sdS=1617.0
fwS=2.82
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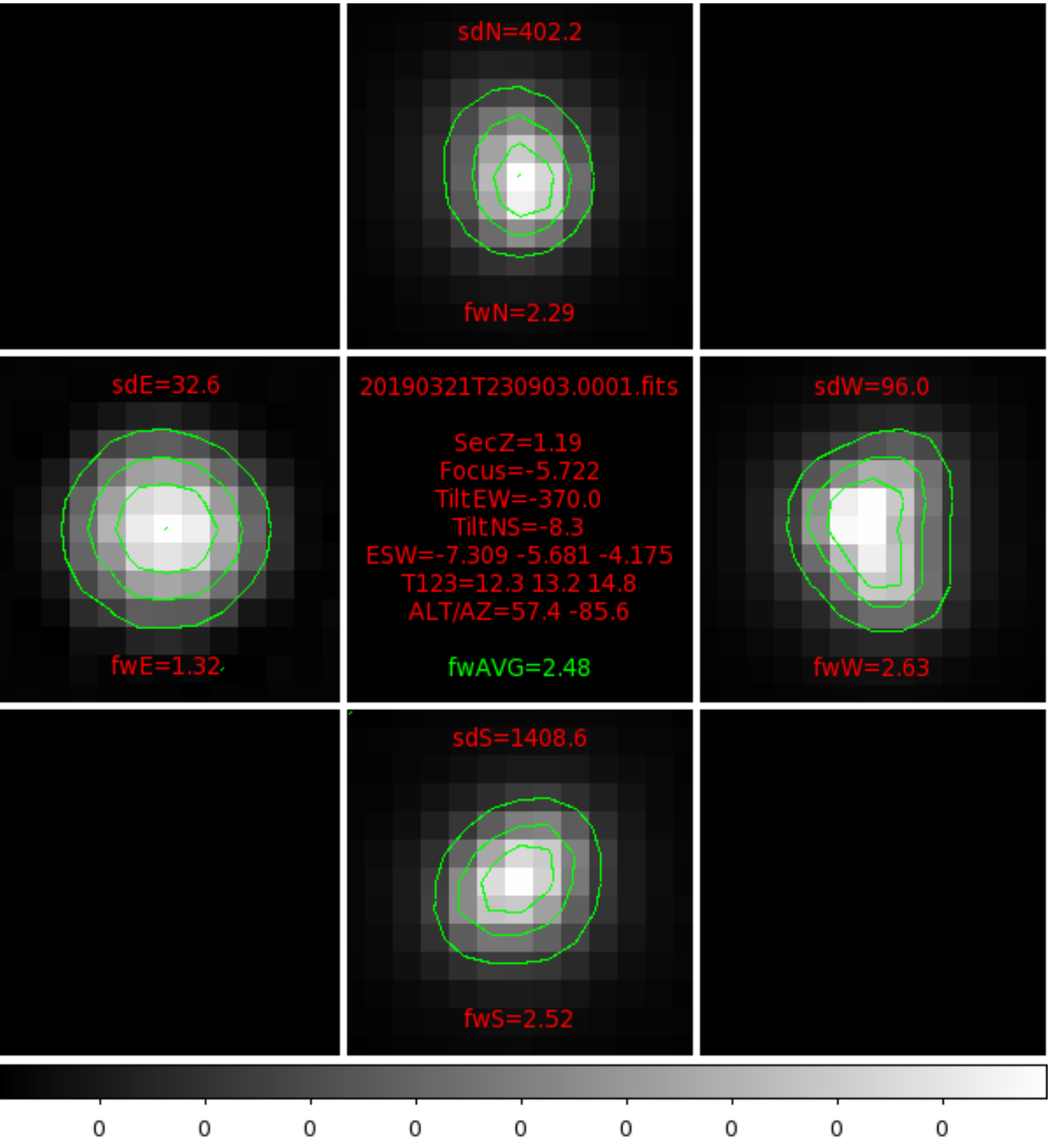
sdN=402.2
fwN=2.29
sdE=32.6
fwE=1.32
20190321T230903.0001.fits
SecZ=1.19
Focus=-5.722
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.309 -5.681 -4.175
T123=12.3 13.2 14.8
ALT/AZ=57.4 -85.6
fwAVG=2.48
sdW=96.0
fwW=2.63
sdS=1408.6
fwS=2.52
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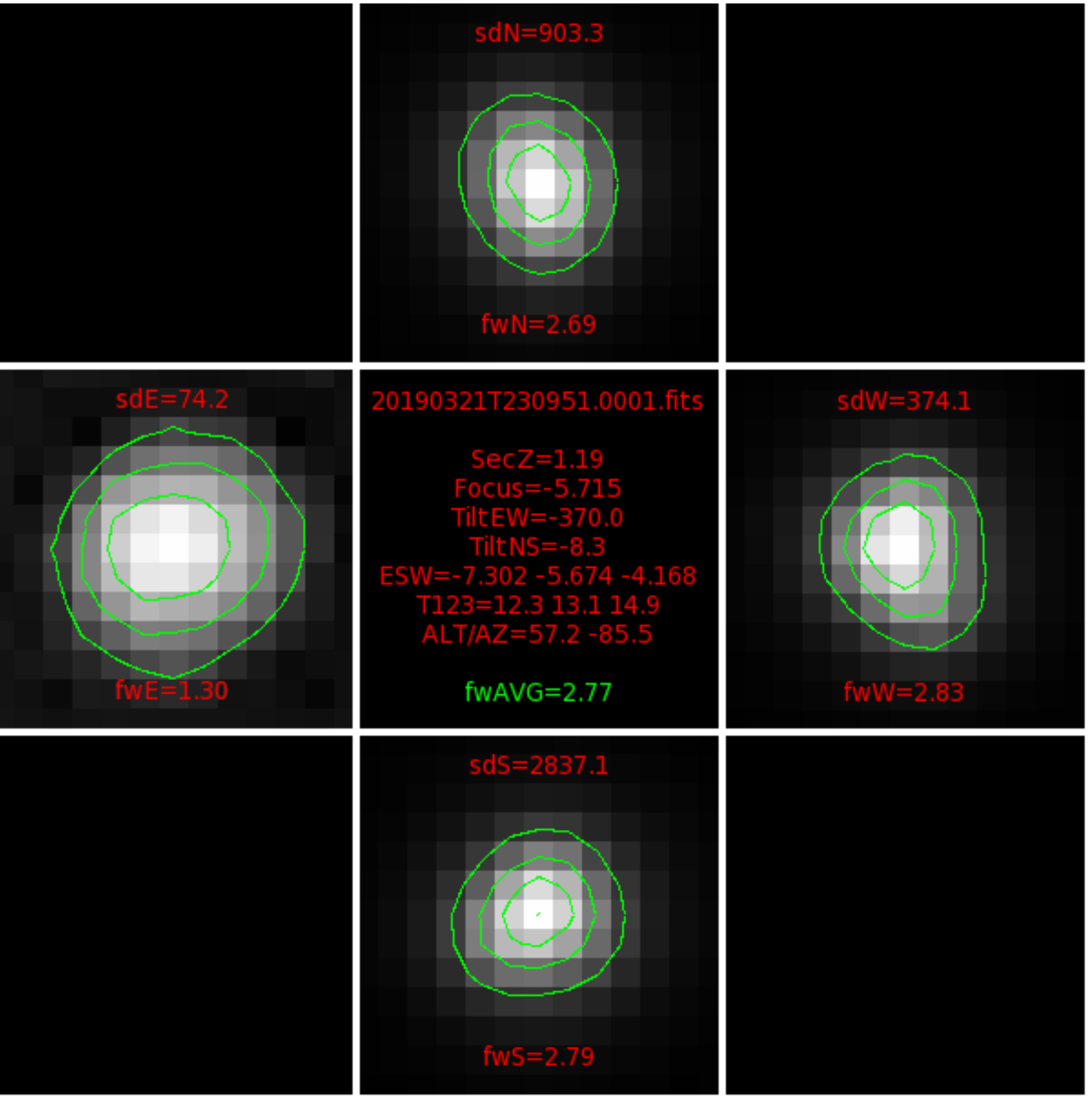
sdN=903.3
fwN=2.69
sdE=74.2
fwE=1.30
20190321T230951.0001.fits
SecZ=1.19
Focus=-5.715
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.302 -5.674 -4.168
T123=12.3 13.1 14.9
ALT/AZ=57.2 -85.5
fwAVG=2.77
sdW=374.1
fwW=2.83
sdS=2837.1
fwS=2.79
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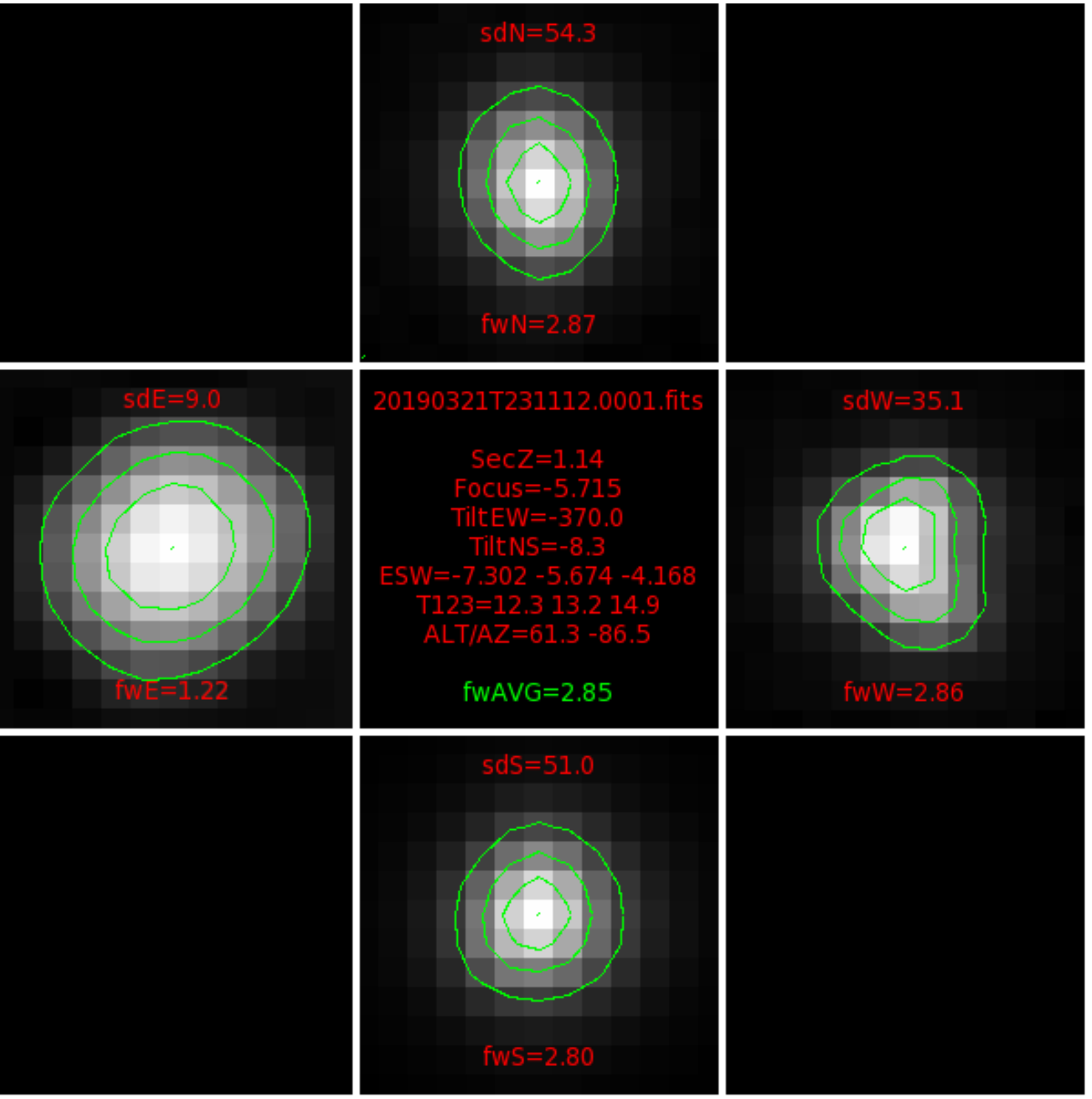
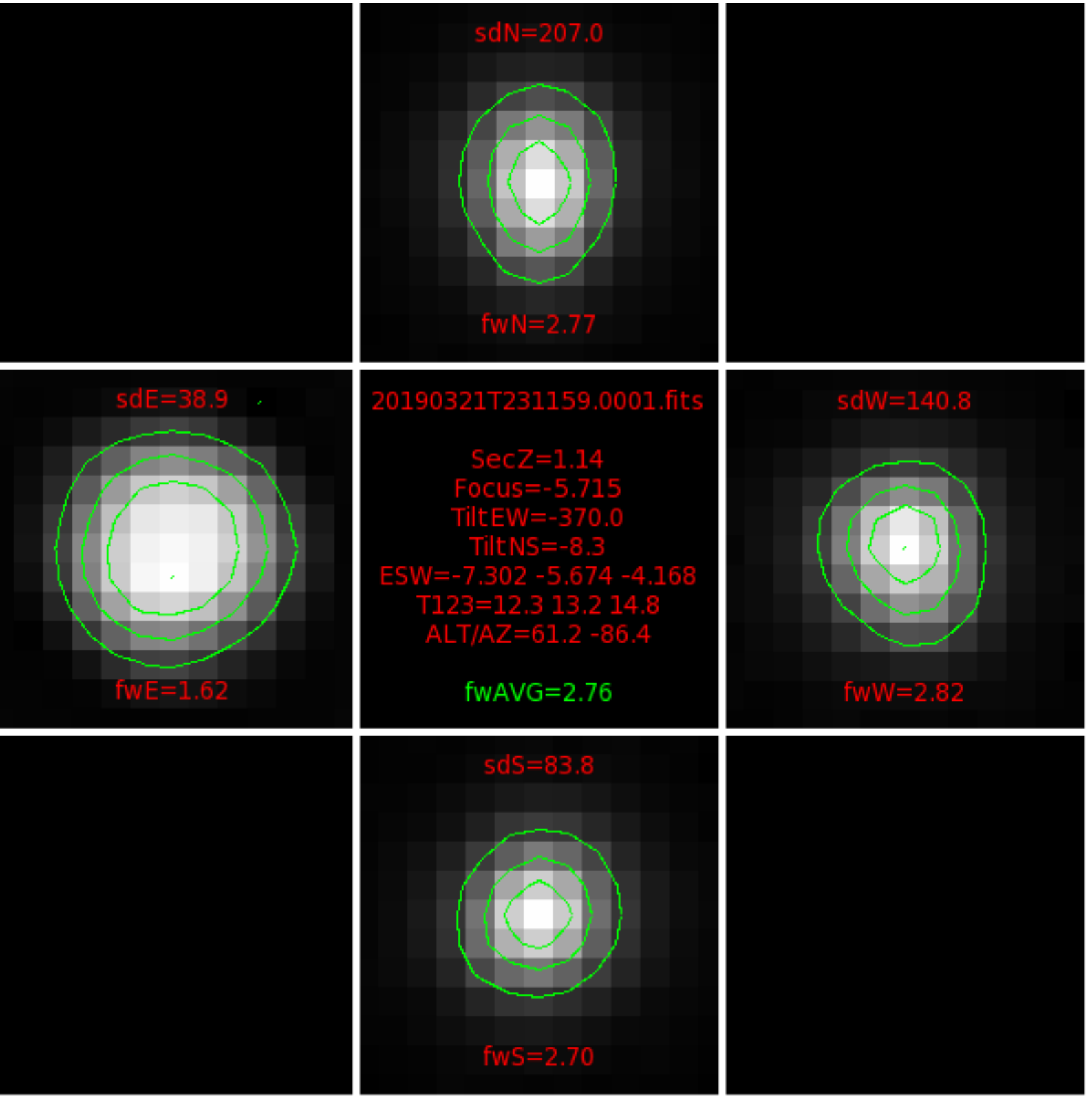

sdN=54.3
fwN=2.87
sdE=9.0
fwE=1.22
20190321T231112.0001.fits
SecZ=1.14
Focus=-5.715
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.302 -5.674 -4.168
T123=12.3 13.2 14.9
ALT/AZ=61.3 -86.5
fwAVG=2.85
sdW=35.1
fwW=2.86
sdS=51.0
fwS=2.80
0 0 0 0 0 0 0 0 0


sdN=207.0
fwN=2.77
sdE=38.9
fwE=1.62
20190321T231159.0001.fits
SecZ=1.14
Focus=-5.715
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.302 -5.674 -4.168
T123=12.3 13.2 14.8
ALT/AZ=61.2 -86.4
fwAVG=2.76
sdW=140.8
fwW=2.82
sdS=83.8
fwS=2.70
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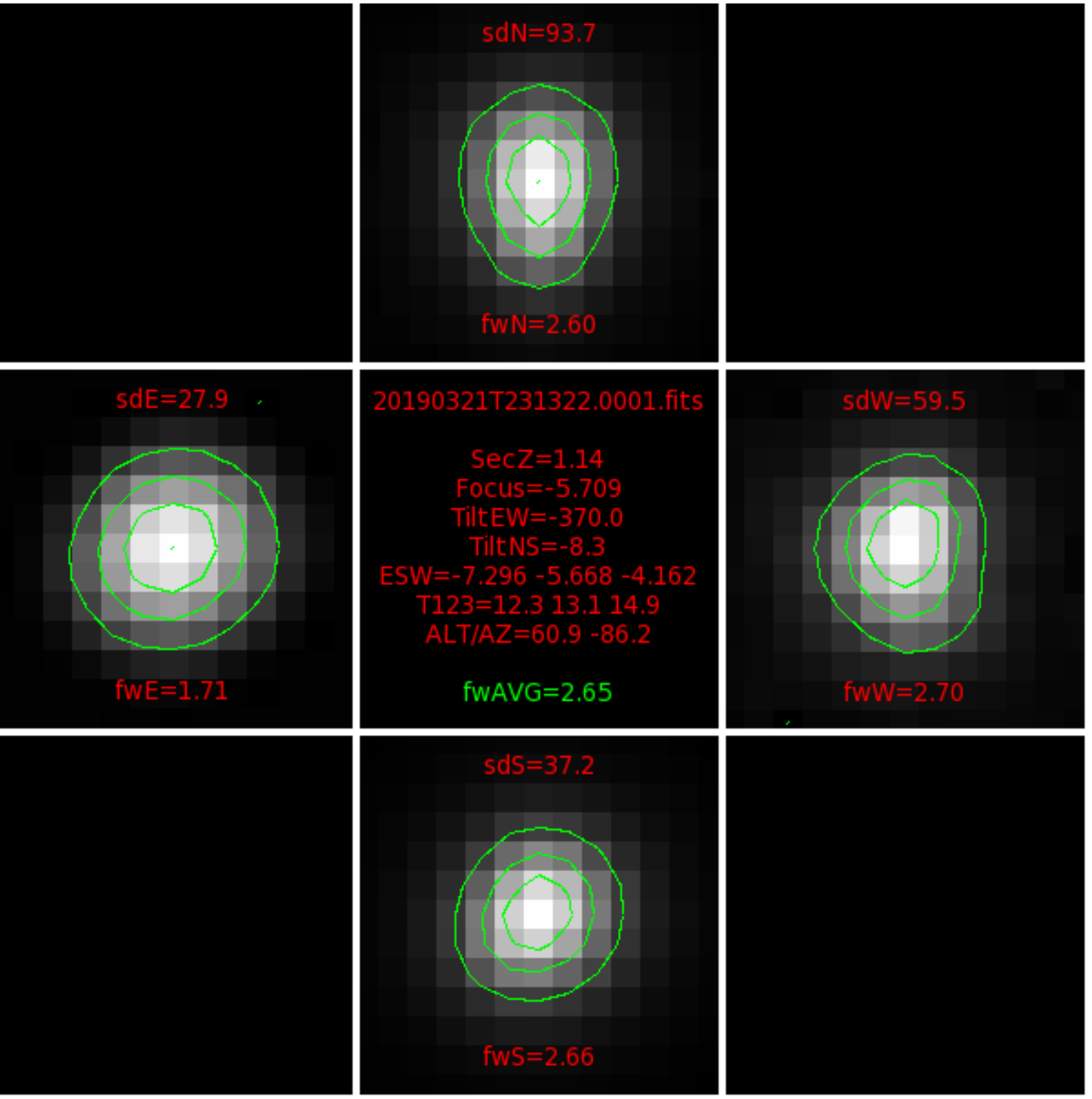
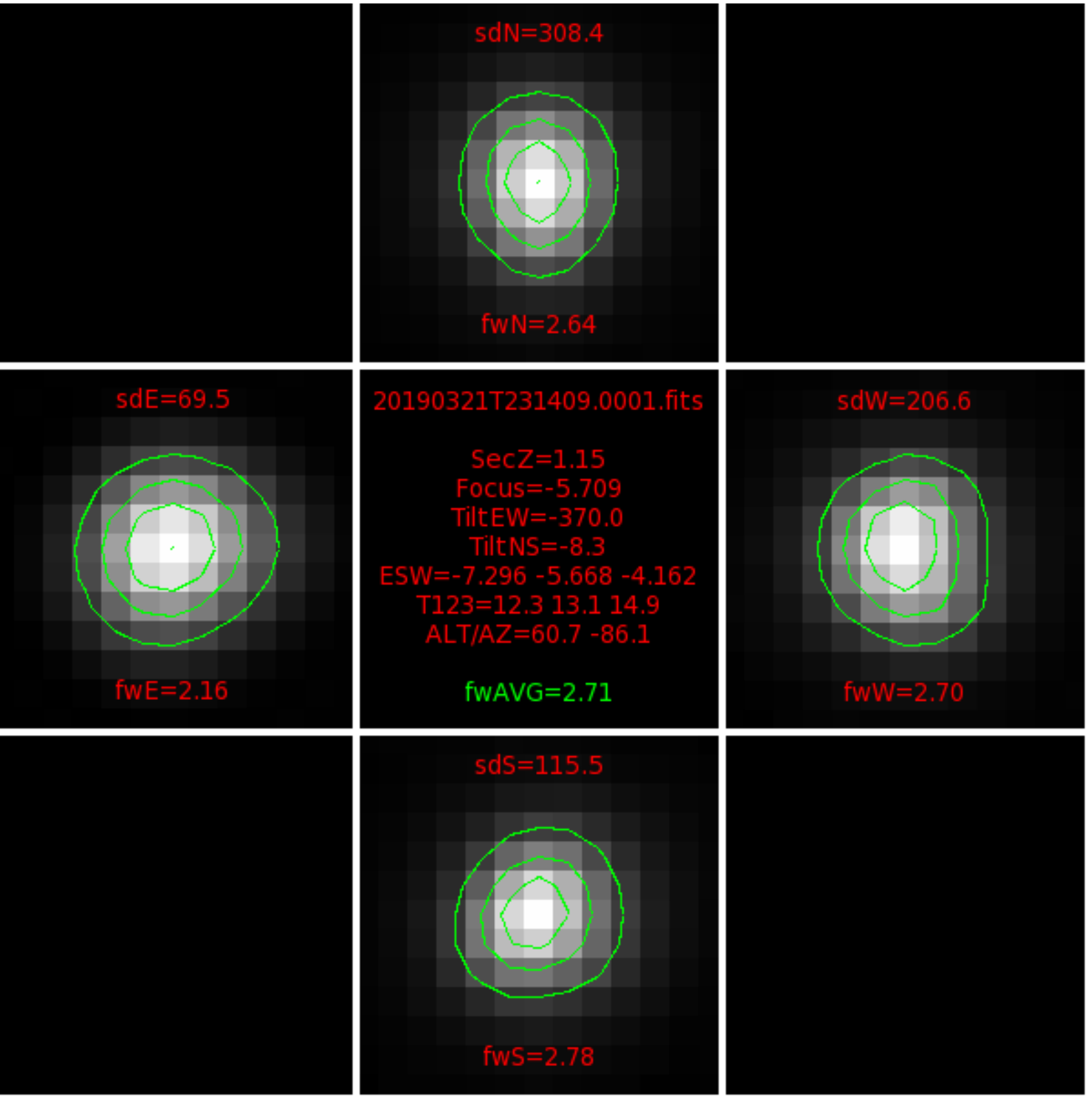

sdN=93.7
fwN=2.60
sdE=27.9
fwE=1.71
20190321T231322.0001.fits
SecZ=1.14
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=12.3 13.1 14.9
ALT/AZ=60.9 -86.2
fwAVG=2.65
sdW=59.5
fwW=2.70
sdS=37.2
fwS=2.66
0 0 0 0 0 0 0 0 0


sdN=308.4
fwN=2.64
sdE=69.5
fwE=2.16
20190321T231409.0001.fits
SecZ=1.15
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=12.3 13.1 14.9
ALT/AZ=60.7 -86.1
fwAVG=2.71
sdW=206.6
fwW=2.70
sdS=115.5
fwS=2.78
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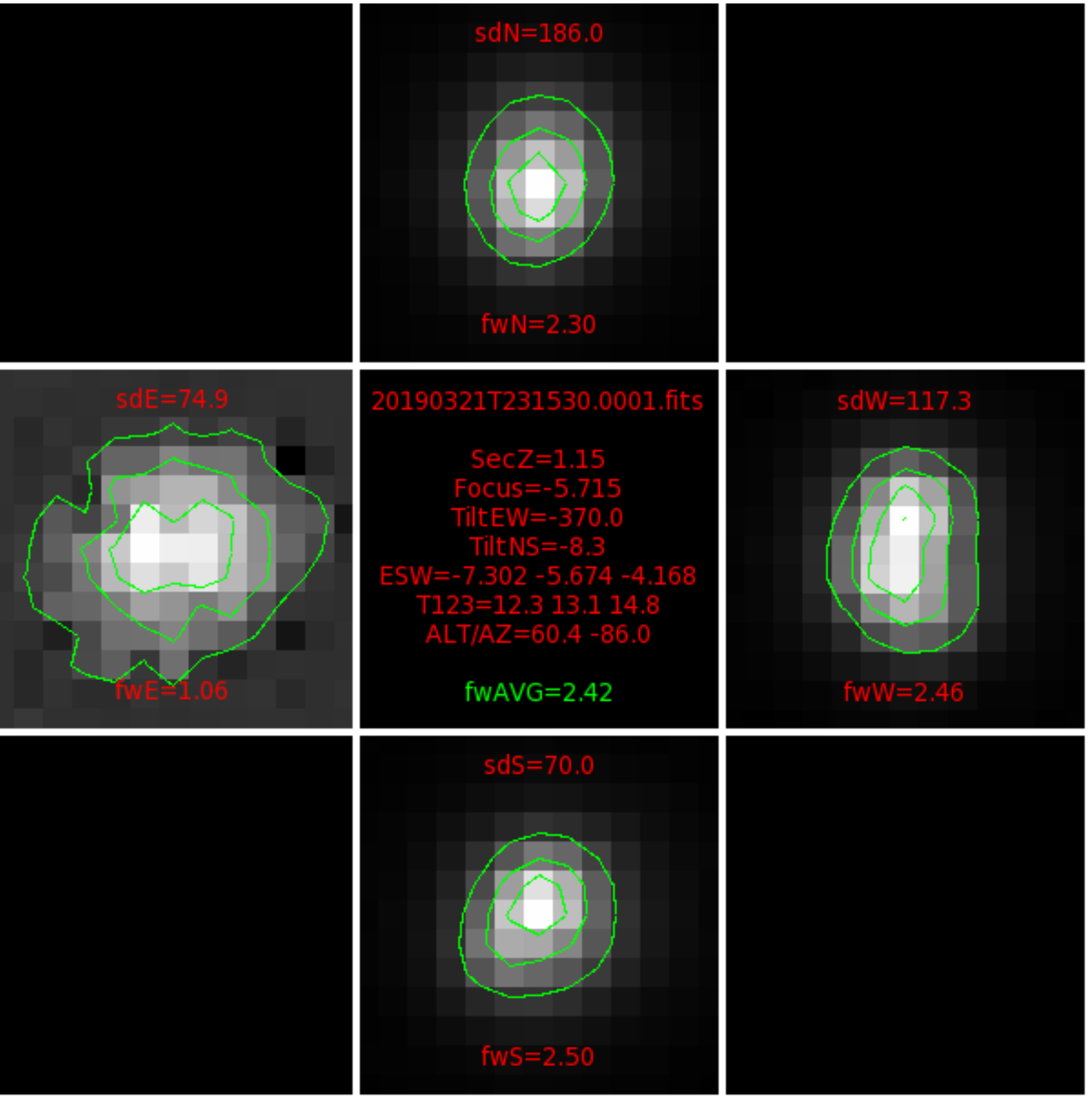
sdN=186.0
fwN=2.30
sdE=74.9
fwE=1.06
20190321T231530.0001.fits
SecZ=1.15
Focus=-5.715
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.302 -5.674 -4.168
T123=12.3 13.1 14.8
ALT/AZ=60.4 -86.0
fwAVG=2.42
sdW=117.3
fwW=2.46
sdS=70.0
fwS=2.50
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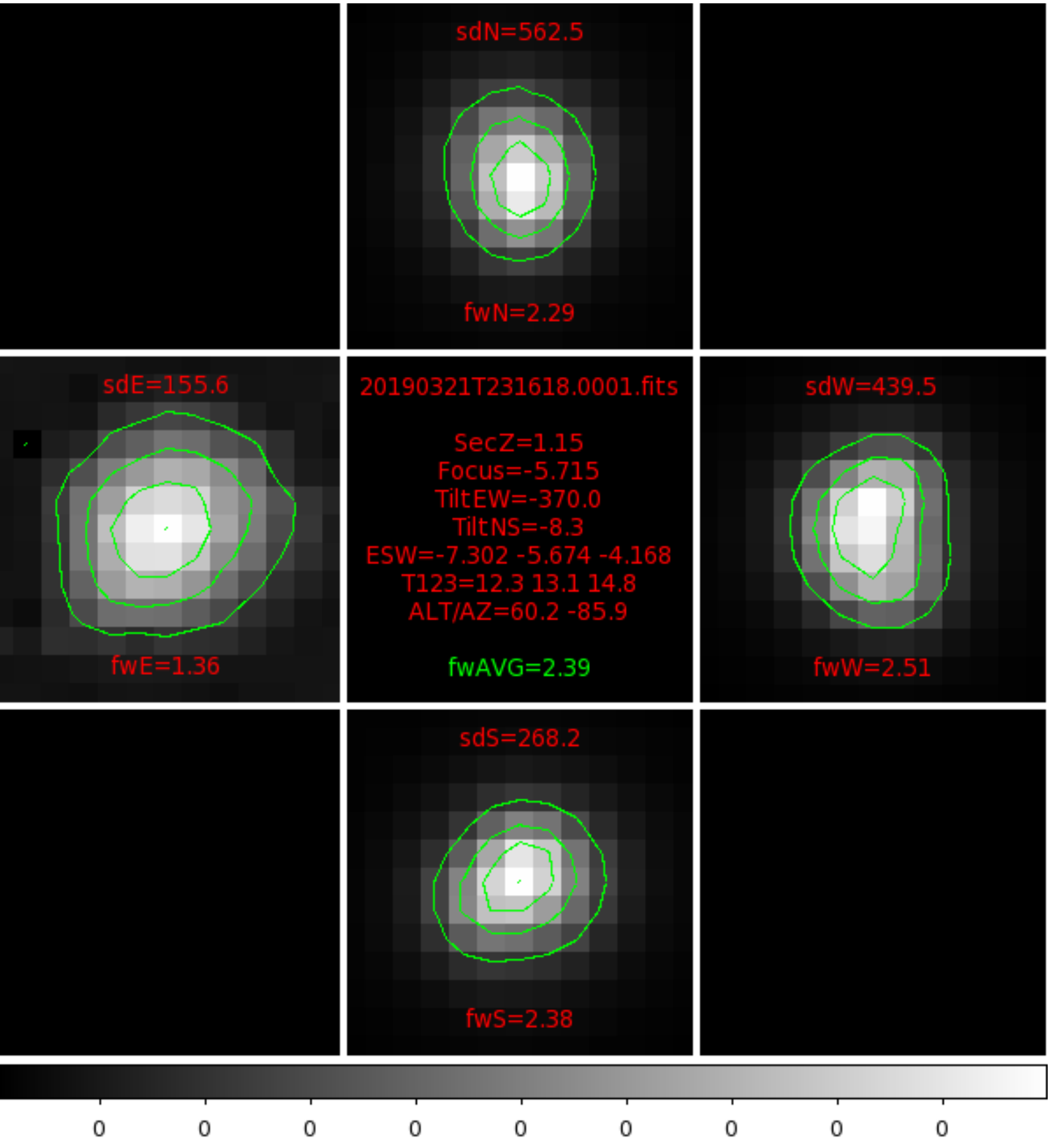
sdN=562.5
fwN=2.29
sdE=155.6
fwE=1.36
20190321T231618.0001.fits
SecZ=1.15
Focus=-5.715
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.302 -5.674 -4.168
T123=12.3 13.1 14.8
ALT/AZ=60.2 -85.9
fwAVG=2.39
sdW=439.5
fwW=2.51
sdS=268.2
fwS=2.38
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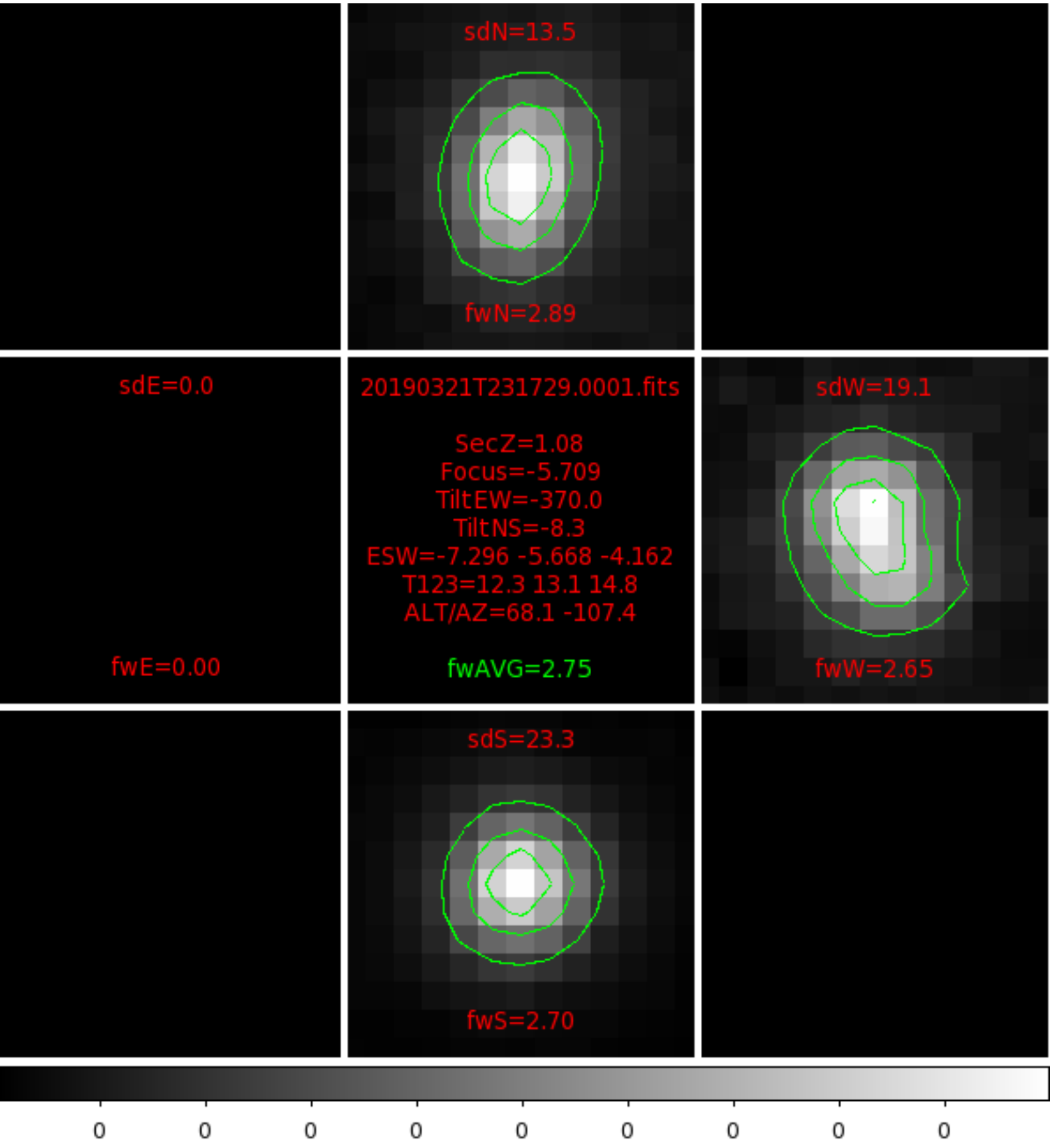
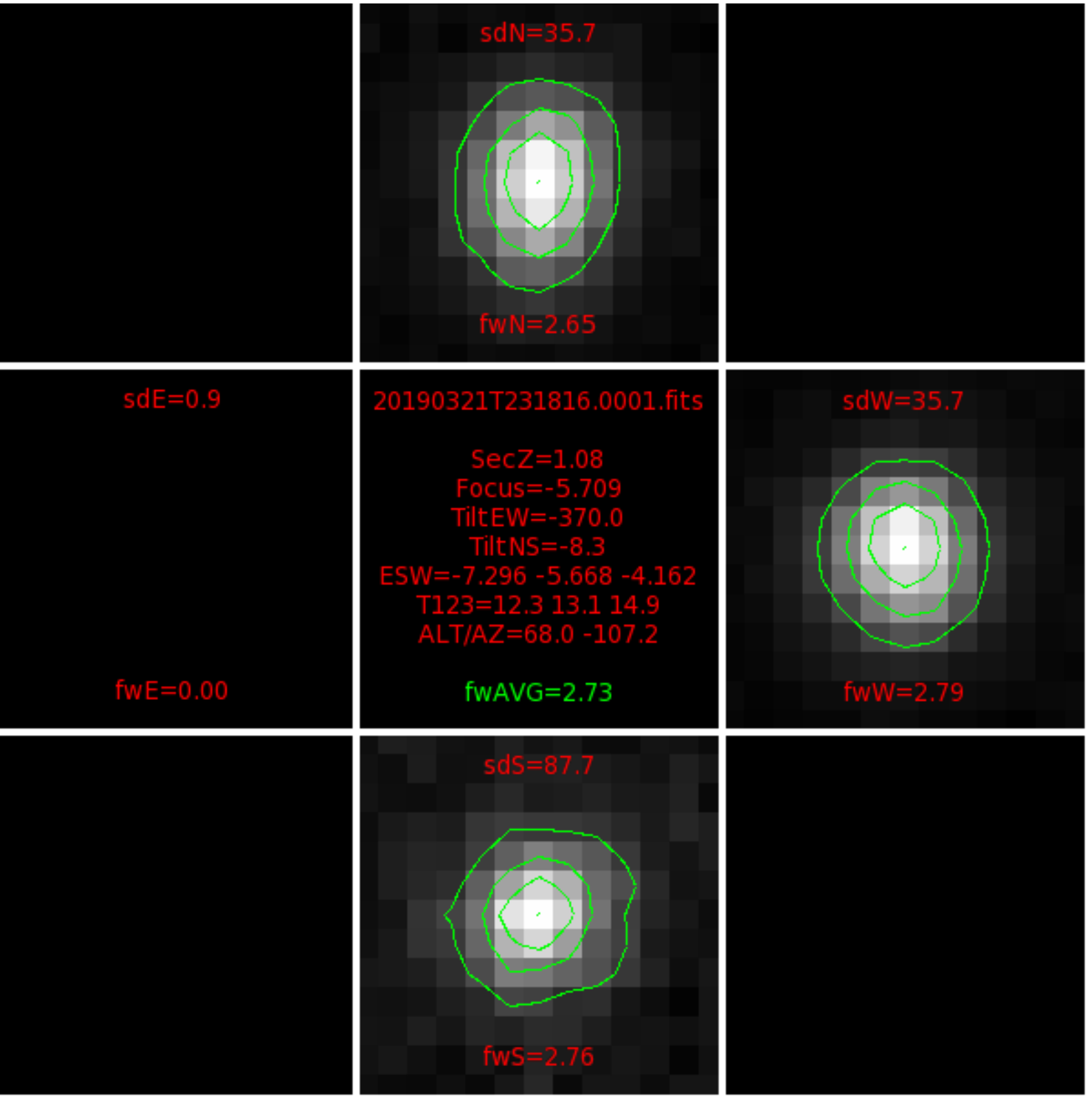

sdN=13.5
fwN=2.89
sdE=0.0
fwE=0.00
20190321T231729.0001.fits
SecZ=1.08
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=12.3 13.1 14.8
ALT/AZ=68.1 -107.4
fwAVG=2.75
sdW=19.1
fwW=2.65
sdS=23.3
fwS=2.70
0 0 0 0 0 0 0 0 0


sdN=35.7
fwN=2.65
sdE=0.9
fwE=0.00
20190321T231816.0001.fits
SecZ=1.08
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=12.3 13.1 14.9
ALT/AZ=68.0 -107.2
fwAVG=2.73
sdW=35.7
fwW=2.79
sdS=87.7
fwS=2.76
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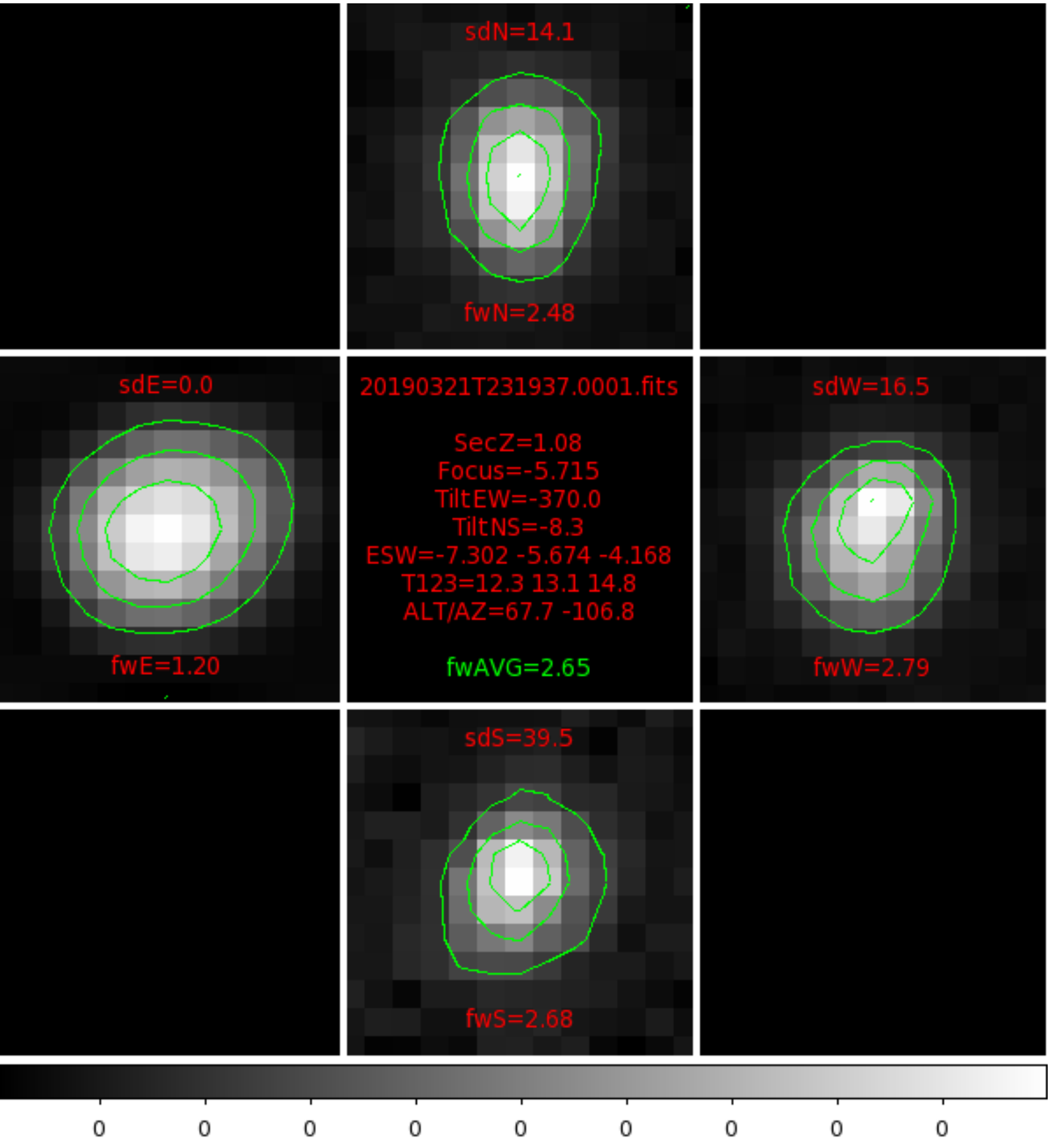
sdN=14.1
fwN=2.48
sdE=0.0
fwE=1.20
20190321T231937.0001.fits
SecZ=1.08
Focus=-5.715
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.302 -5.674 -4.168
T123=12.3 13.1 14.8
ALT/AZ=67.7 -106.8
fwAVG=2.65
sdW=16.5
fwW=2.79
sdS=39.5
fwS=2.68
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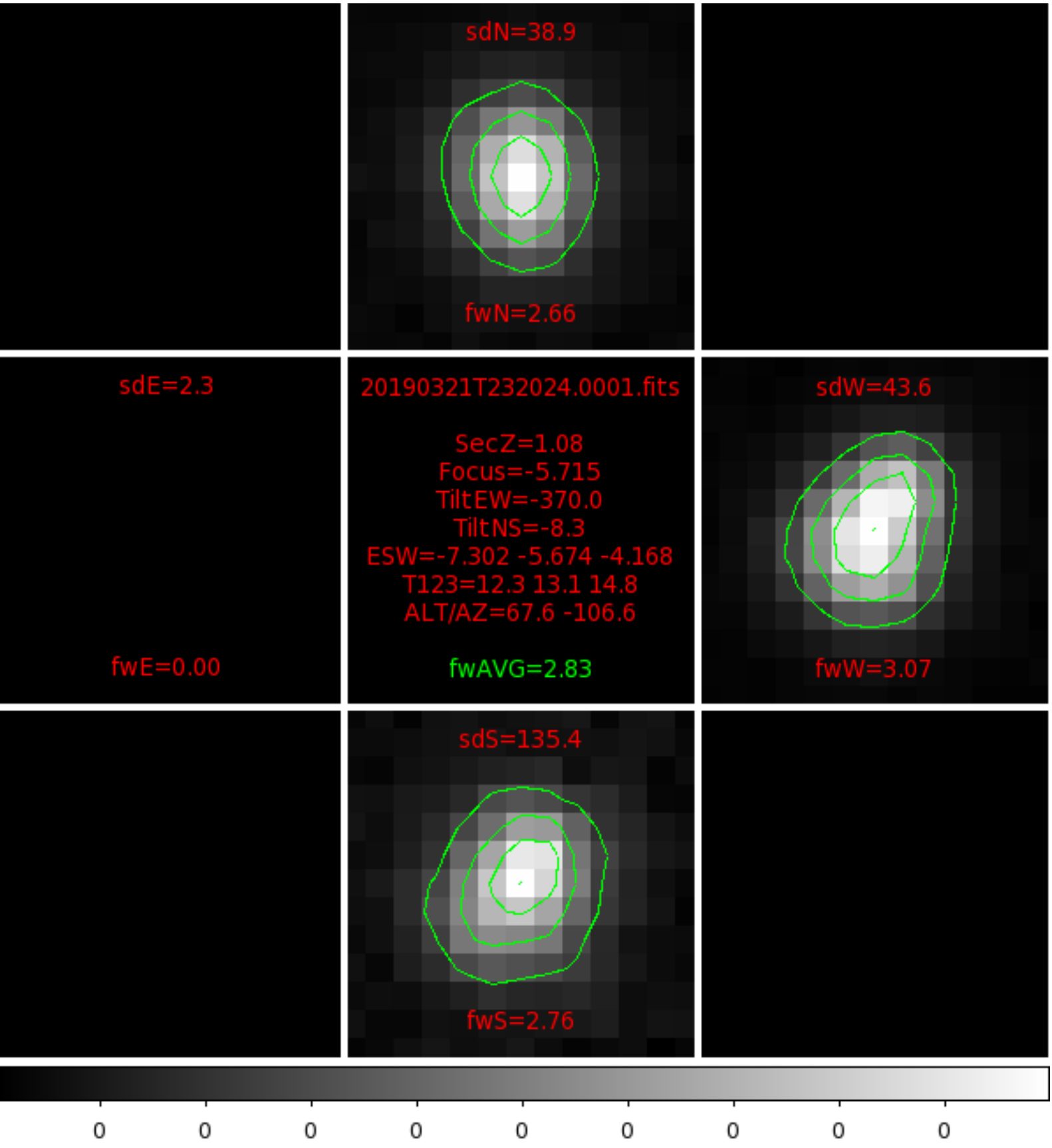
sdN=38.9
fwN=2.66
sdE=2.3
fwE=0.00
20190321T232024.0001.fits
SecZ=1.08
Focus=-5.715
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.302 -5.674 -4.168
T123=12.3 13.1 14.8
ALT/AZ=67.6 -106.6
fwAVG=2.83
sdW=43.6
fwW=3.07
sdS=135.4
fwS=2.76
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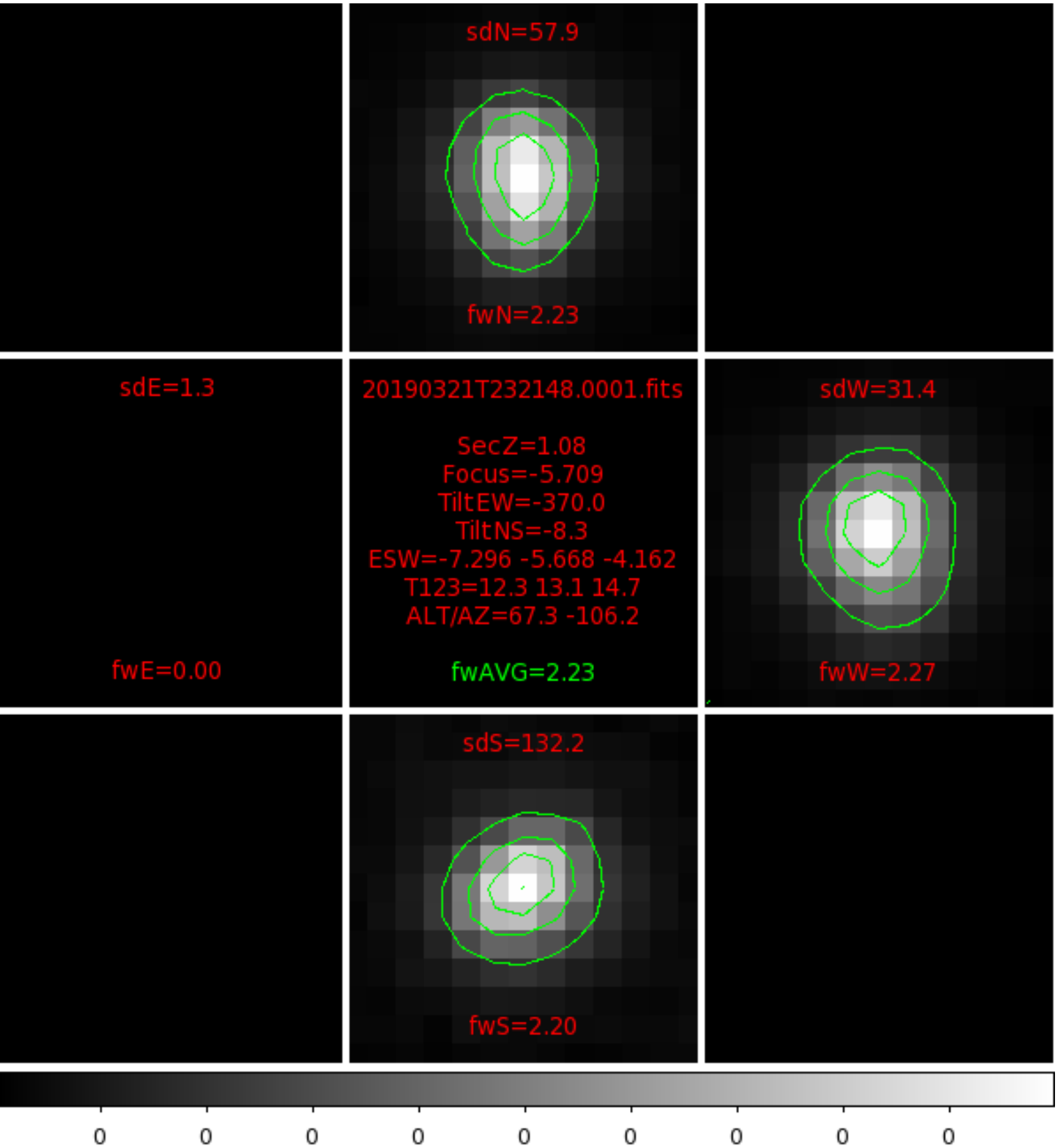
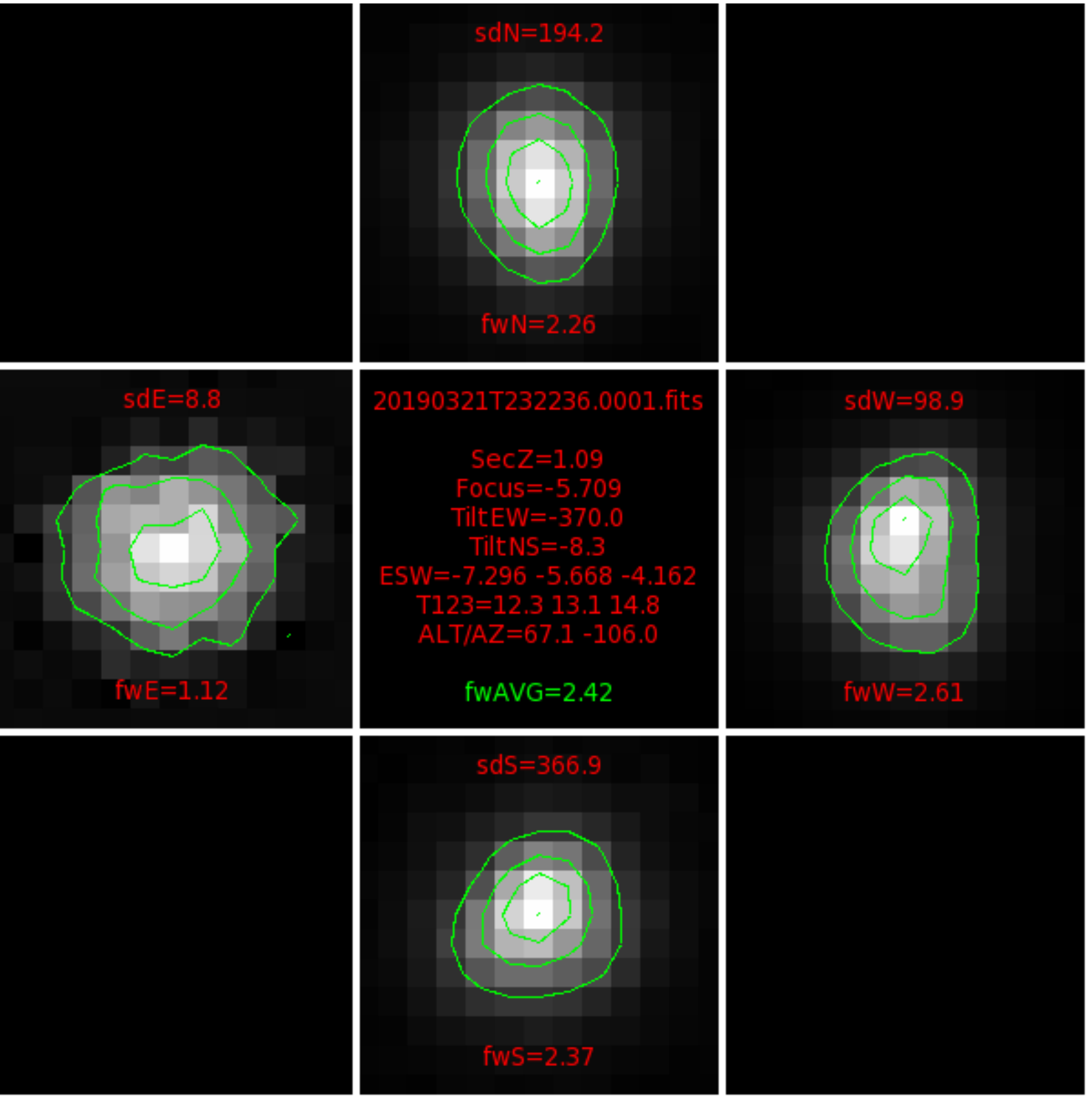

sdN=57.9
fwN=2.23
sdE=1.3
fwE=0.00
20190321T232148.0001.fits
SecZ=1.08
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=12.3 13.1 14.7
ALT/AZ=67.3 -106.2
fwAVG=2.23
sdW=31.4
fwW=2.27
sdS=132.2
fwS=2.20
0 0 0 0 0 0 0 0 0


sdN=194.2
fwN=2.26
sdE=8.8
fwE=1.12
20190321T232236.0001.fits
SecZ=1.09
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=12.3 13.1 14.8
ALT/AZ=67.1 -106.0
fwAVG=2.42
sdW=98.9
fwW=2.61
sdS=366.9
fwS=2.37
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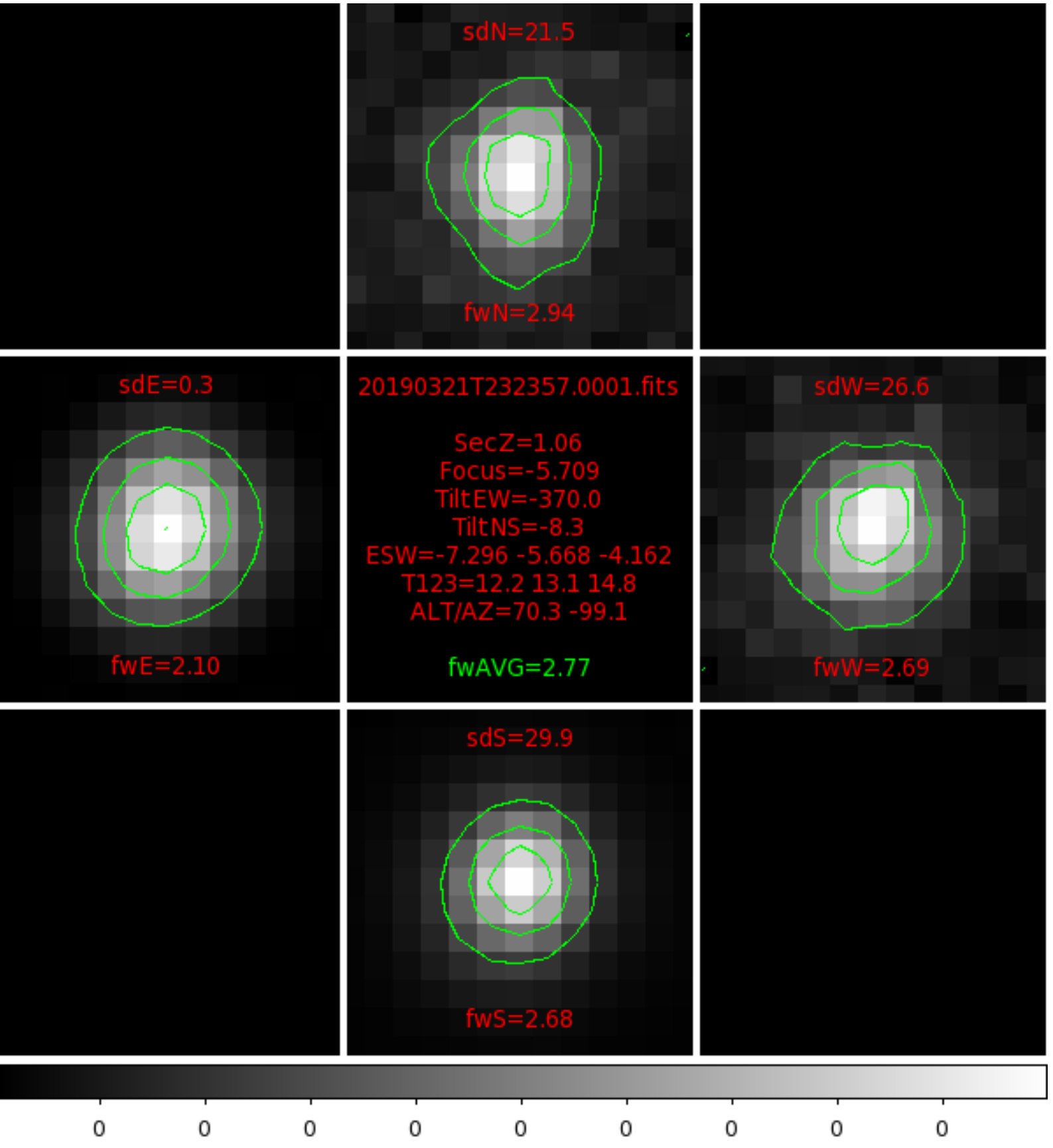
sdN=21.5
fwN=2.94
sdE=0.3
fwE=2.10
20190321T232357.0001.fits
SecZ=1.06
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=12.2 13.1 14.8
ALT/AZ=70.3 -99.1
fwAVG=2.77
sdW=26.6
fwW=2.69
sdS=29.9
fwS=2.68
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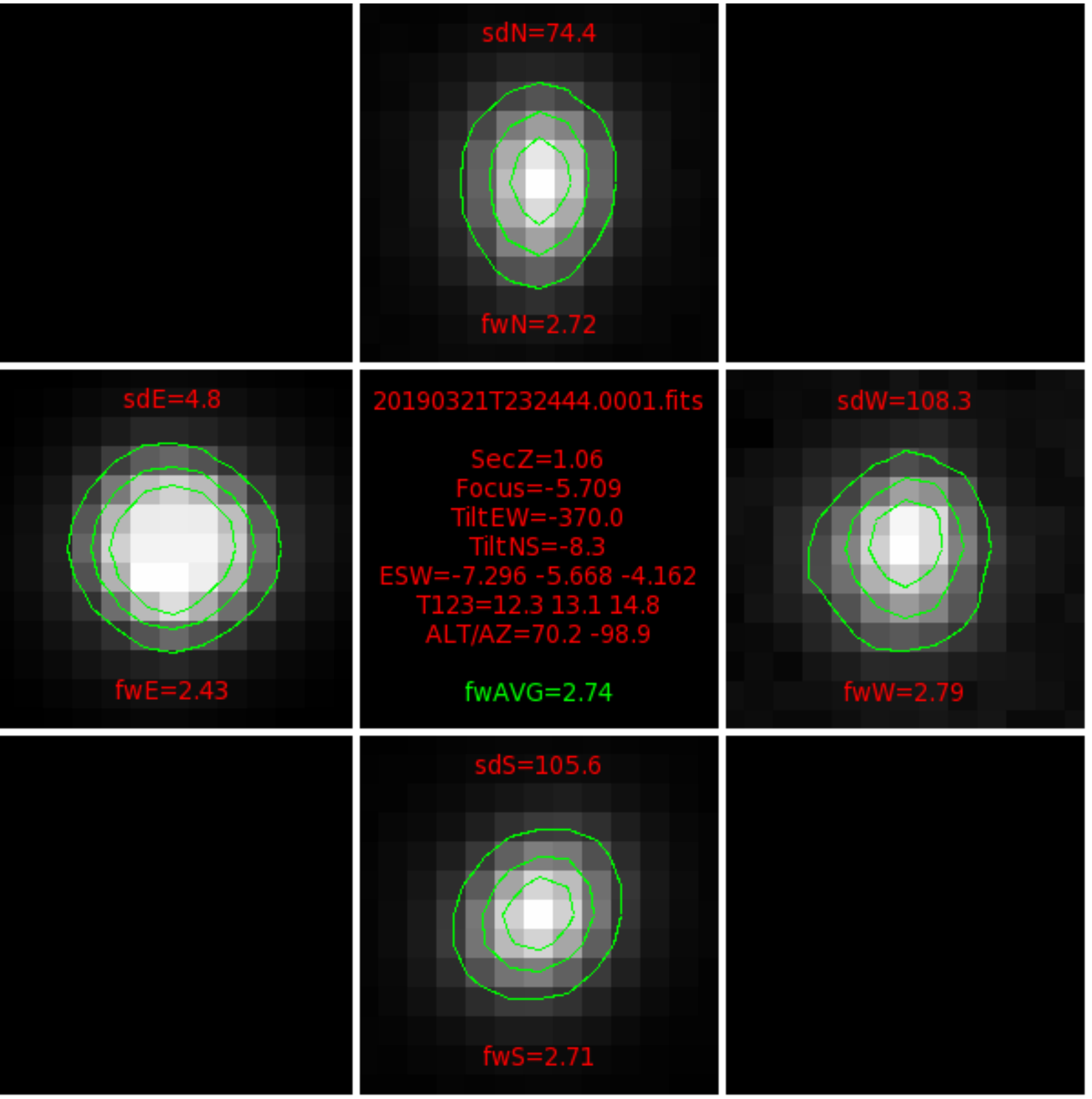
sdN=74.4
fwN=2.72
sdE=4.8
fwE=2.43
20190321T232444.0001.fits
SecZ=1.06
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=12.3 13.1 14.8
ALT/AZ=70.2 -98.9
fwAVG=2.74
sdW=108.3
fwW=2.79
sdS=105.6
fwS=2.71
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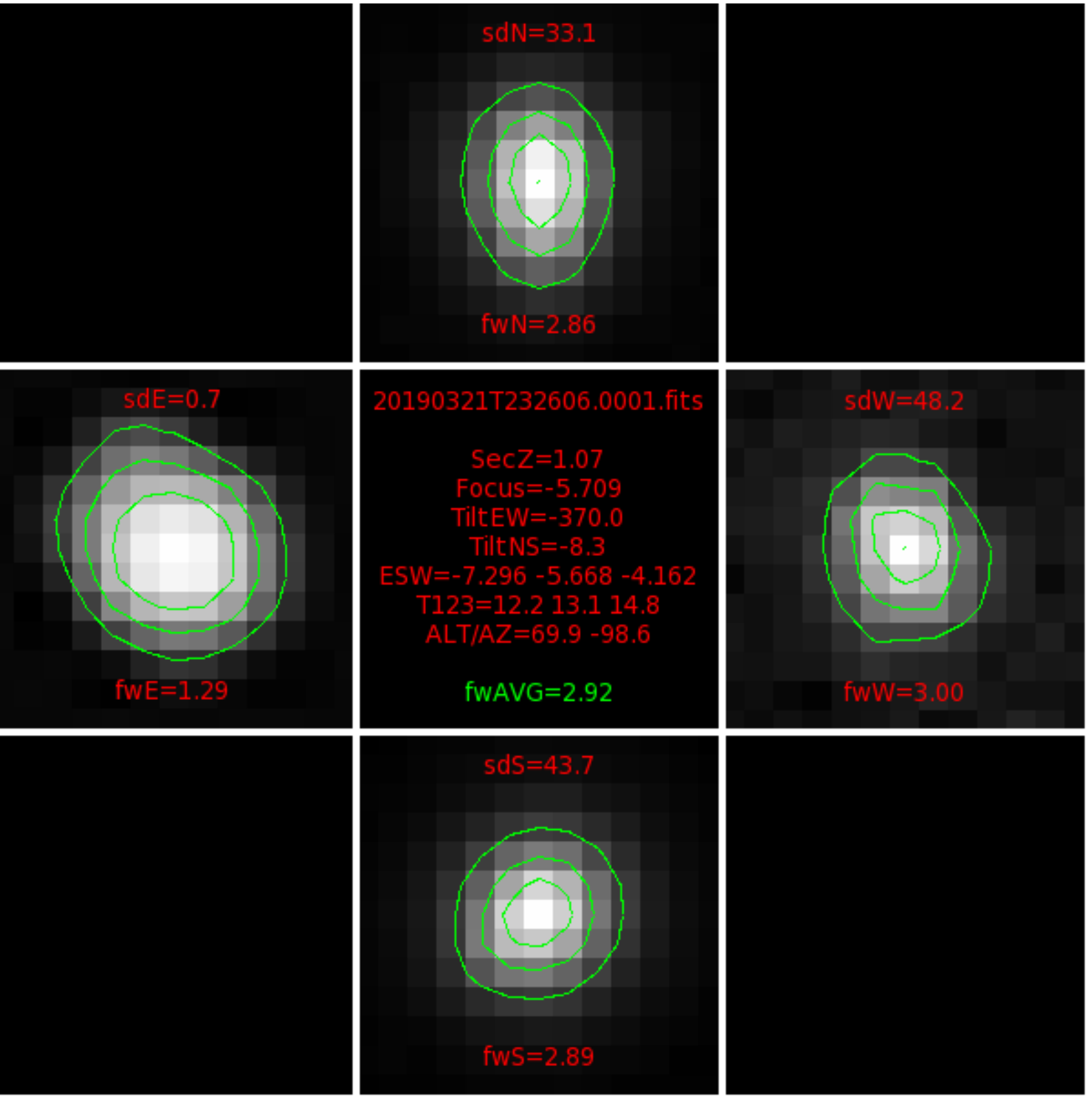
sdN=33.1
fwN=2.86
sdE=0.7
fwE=1.29
20190321T232606.0001.fits
SecZ=1.07
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=12.2 13.1 14.8
ALT/AZ=69.9 -98.6
fwAVG=2.92
sdW=48.2
fwW=3.00
sdS=43.7
fwS=2.89
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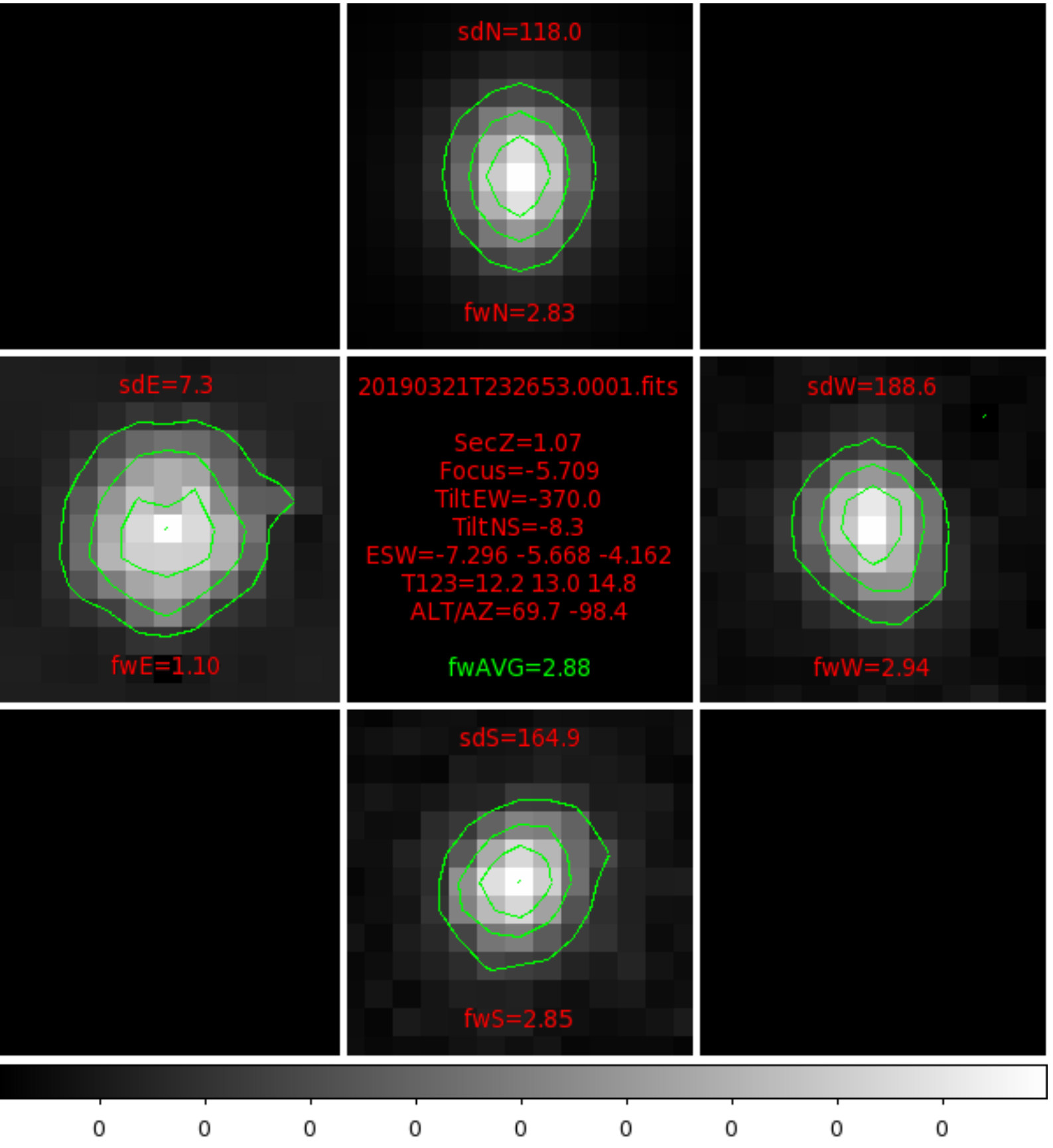
sdN=118.0
fwN=2.83
sdE=7.3
fwE=1.10
20190321T232653.0001.fits
SecZ=1.07
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=12.2 13.0 14.8
ALT/AZ=69.7 -98.4
fwAVG=2.88
sdW=188.6
fwW=2.94
sdS=164.9
fwS=2.85
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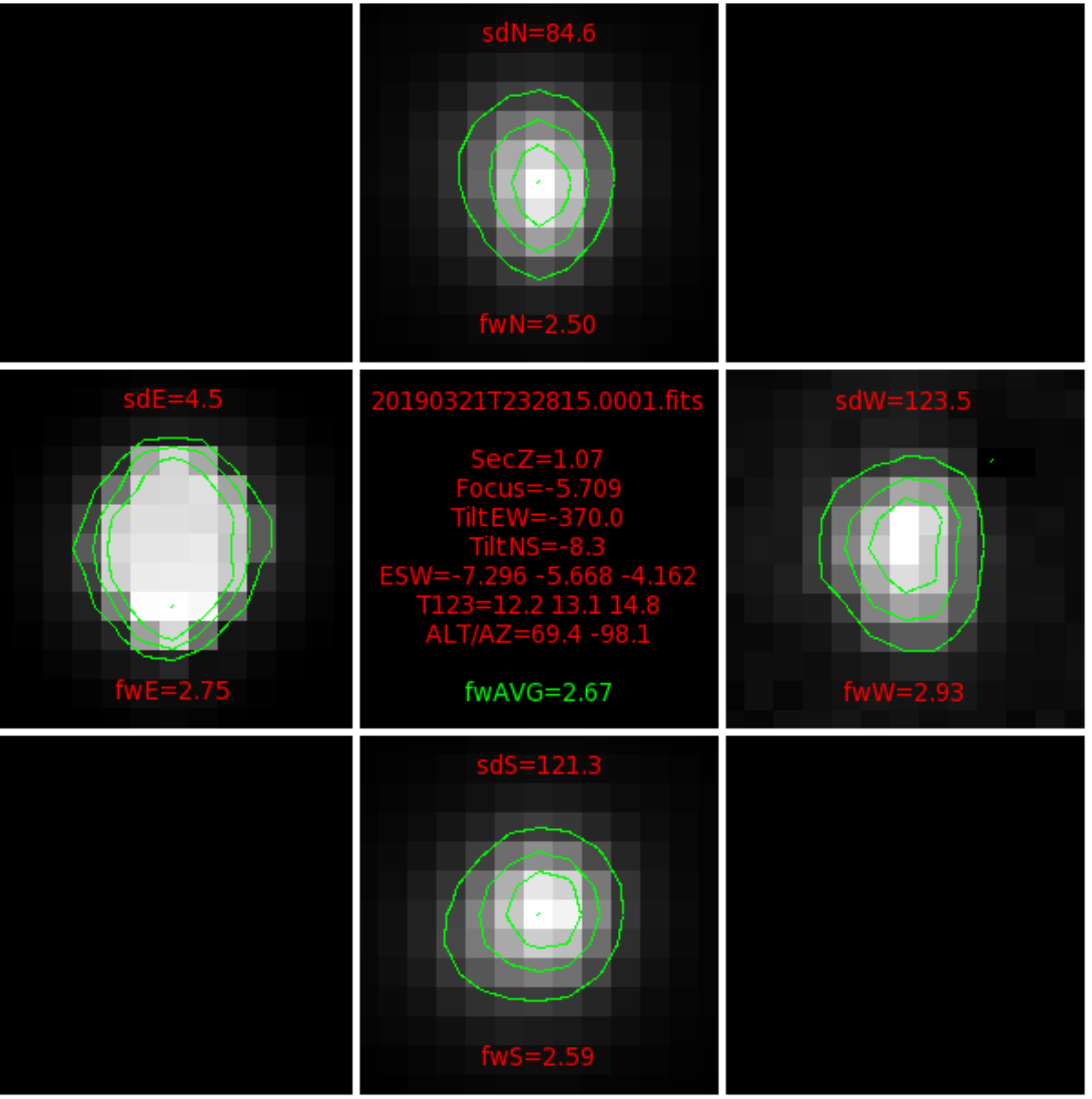
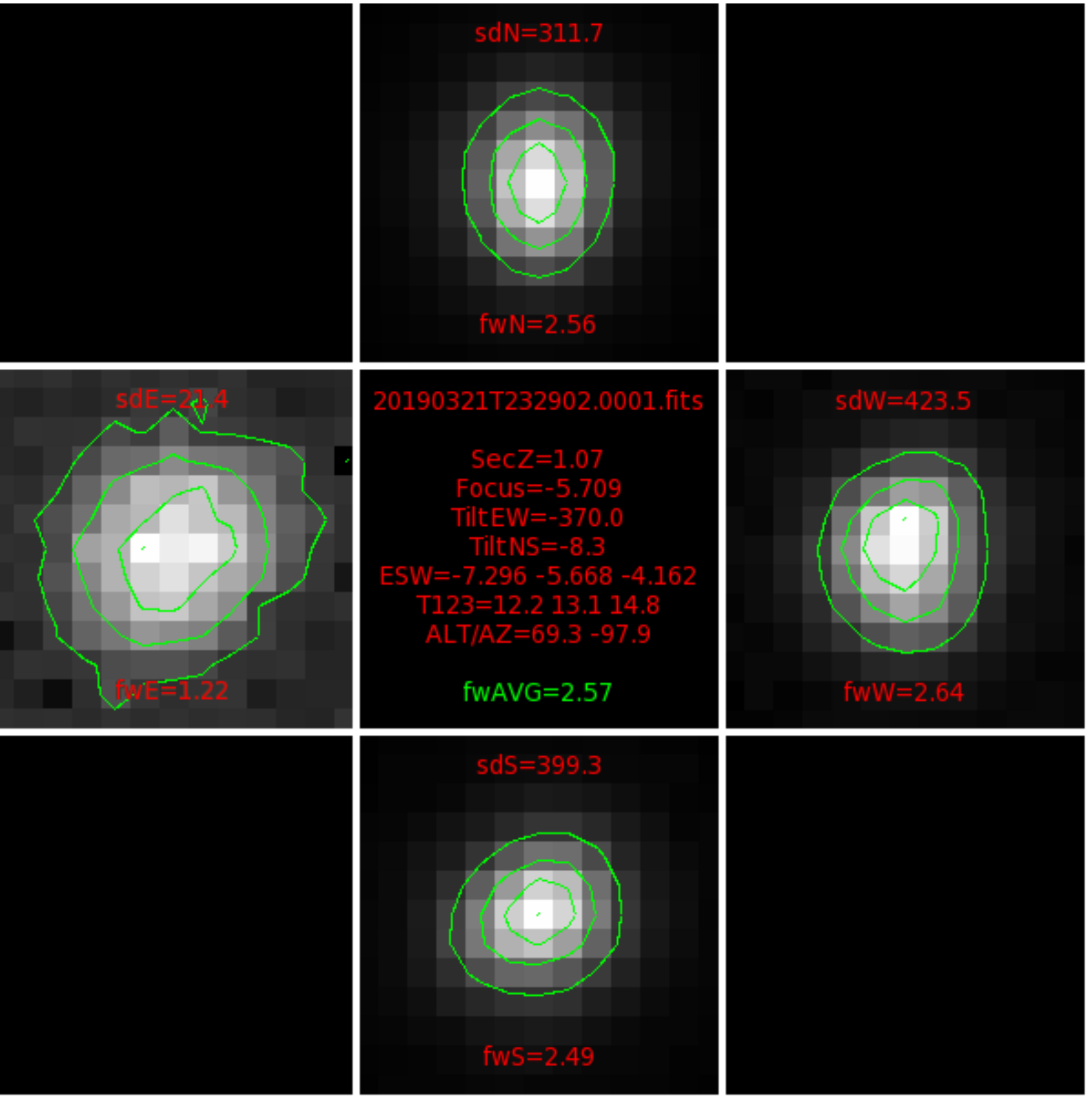

sdN=84.6
fwN=2.50
sdE=4.5
fwE=2.75
20190321T232815.0001.fits
SecZ=1.07
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=12.2 13.1 14.8
ALT/AZ=69.4 -98.1
fwAVG=2.67
sdW=123.5
fwW=2.93
sdS=121.3
fwS=2.59
0 0 0 0 0 0 0 0 0


sdN=311.7
fwN=2.56
sdE=21.4
fwE=1.22
20190321T232902.0001.fits
SecZ=1.07
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=12.2 13.1 14.8
ALT/AZ=69.3 -97.9
fwAVG=2.57
sdW=423.5
fwW=2.64
sdS=399.3
fwS=2.49
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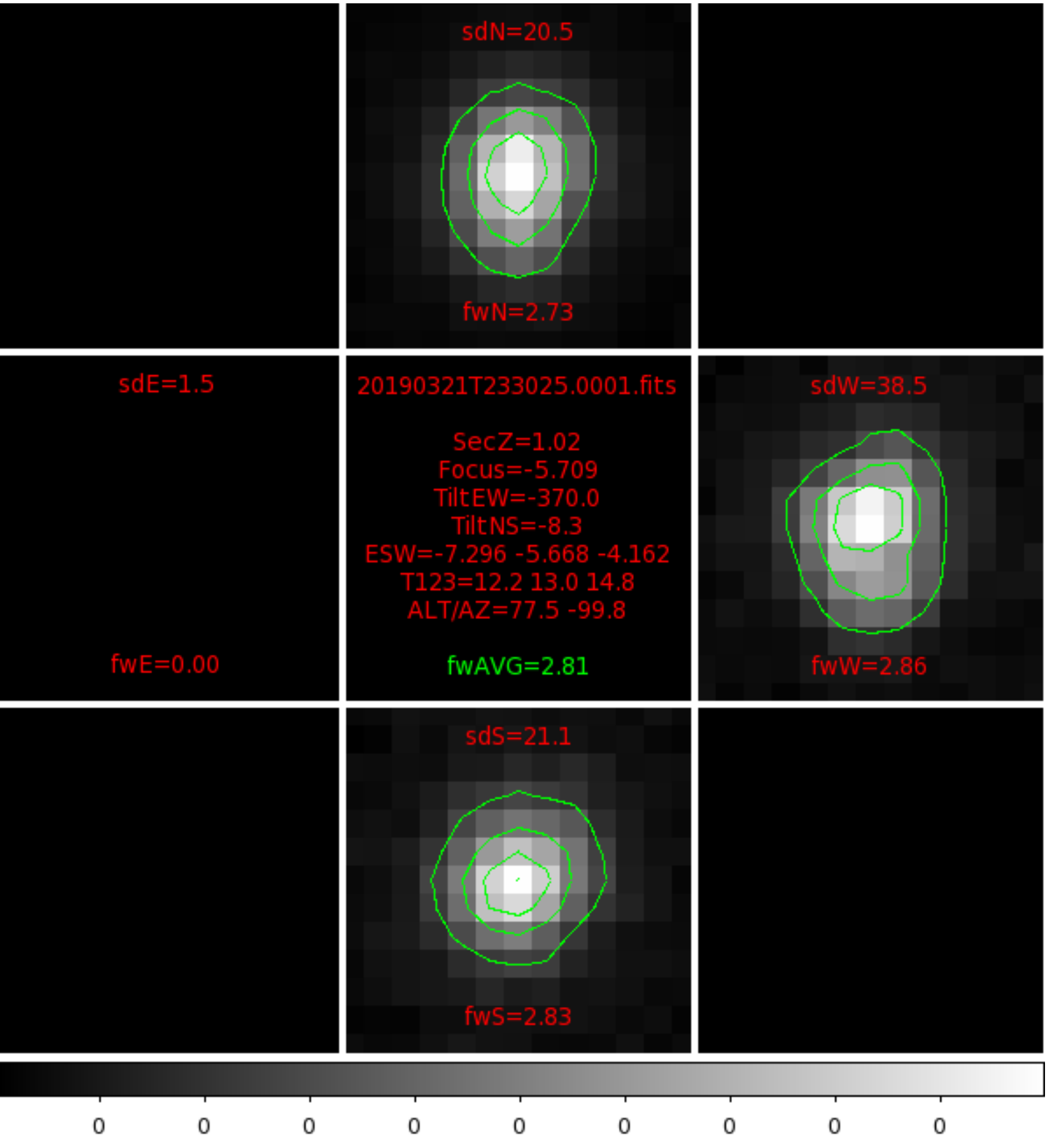
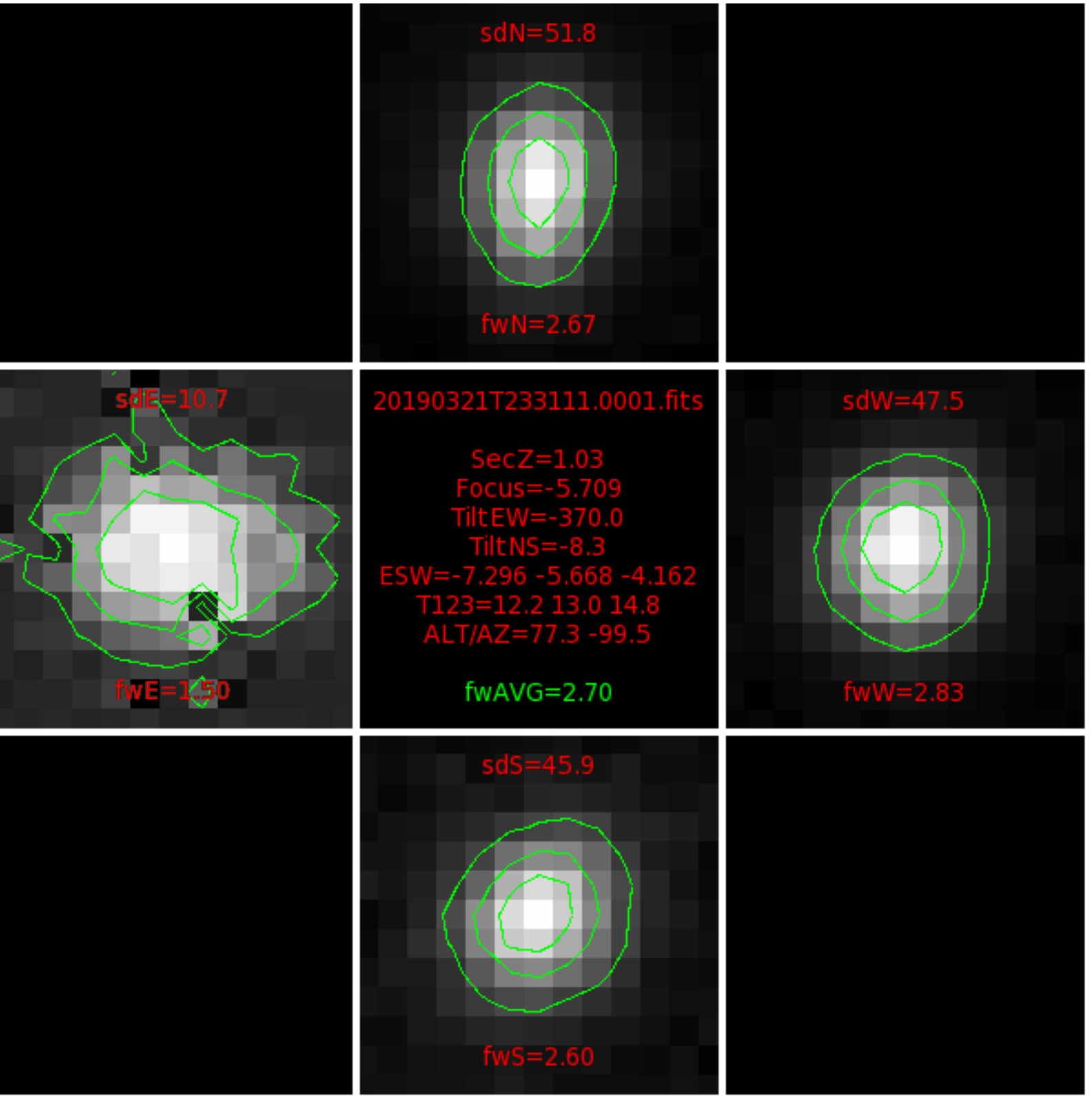
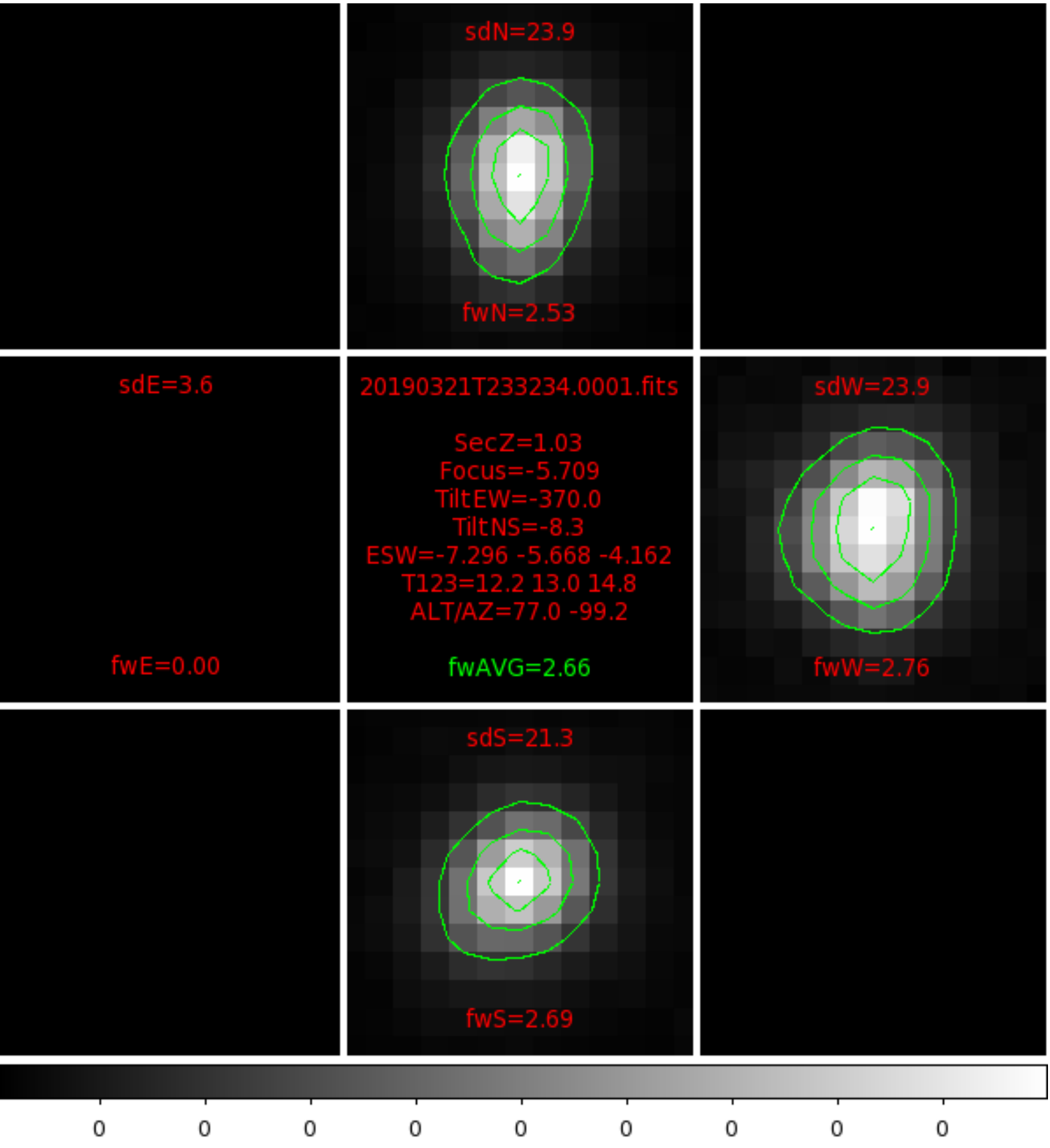
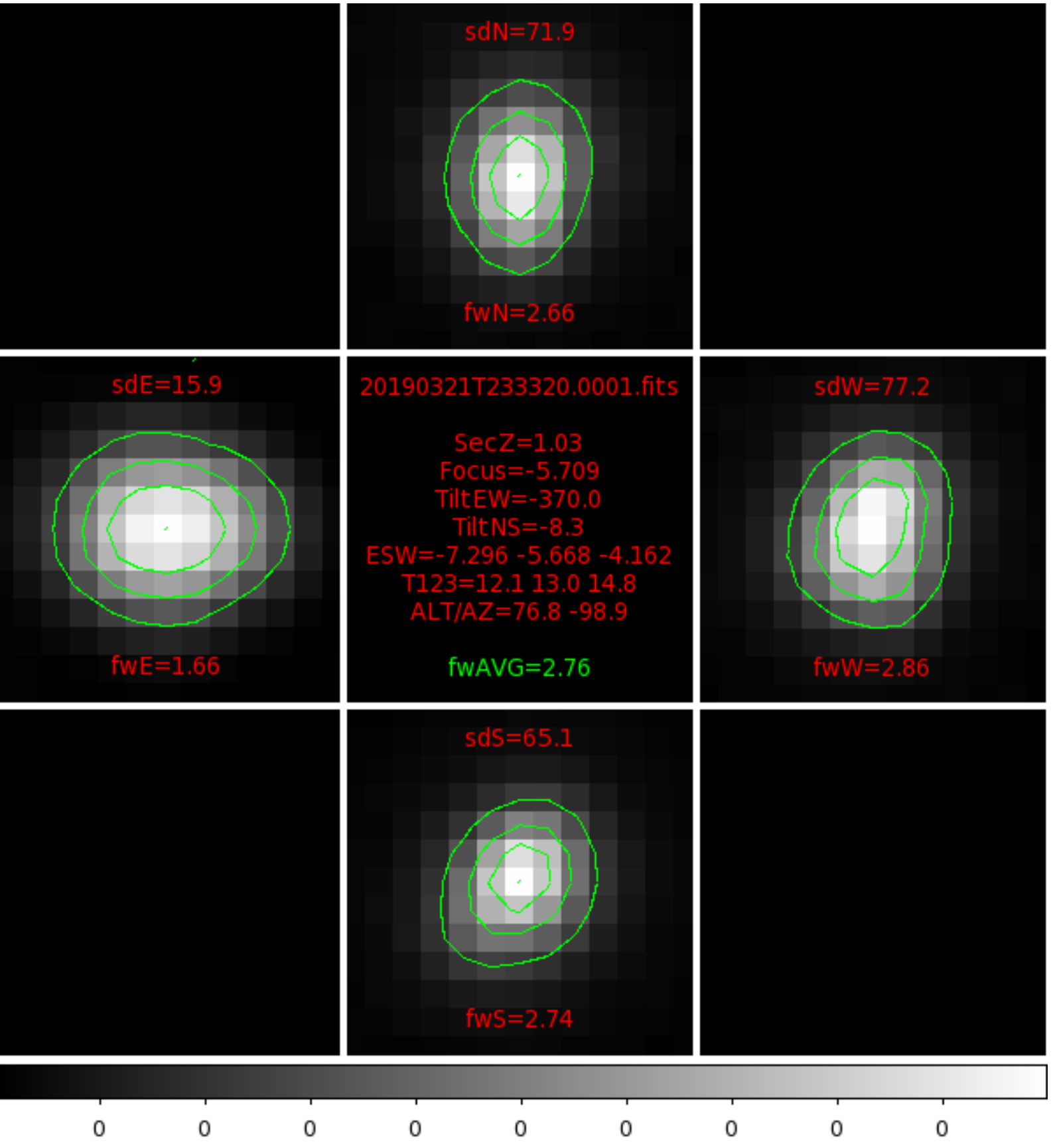

sdN=20.5
fwN=2.73
sdE=1.5
fwE=0.00
20190321T233025.0001.fits
SecZ=1.02
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=12.2 13.0 14.8
ALT/AZ=77.5 -99.8
fwAVG=2.81
sdW=38.5
fwW=2.86
sdS=21.1
fwS=2.83
0 0 0 0 0 0 0 0 0


sdN=51.8
fwN=2.67
sdE=10.7
fwE=1.50
20190321T233111.0001.fits
SecZ=1.03
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=12.2 13.0 14.8
ALT/AZ=77.3 -99.5
fwAVG=2.70
sdW=47.5
fwW=2.83
sdS=45.9
fwS=2.60
0 0 0 0 0 0 0 0 0


sdN=23.9
fwN=2.53
sdE=3.6
fwE=0.00
20190321T233234.0001.fits
SecZ=1.03
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=12.2 13.0 14.8
ALT/AZ=77.0 -99.2
fwAVG=2.66
sdW=23.9
fwW=2.76
sdS=21.3
fwS=2.69
0 0 0 0 0 0 0 0 0


sdN=71.9
fwN=2.66
sdE=15.9
fwE=1.66
20190321T233320.0001.fits
SecZ=1.03
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=12.1 13.0 14.8
ALT/AZ=76.8 -98.9
fwAVG=2.76
sdW=77.2
fwW=2.86
sdS=65.1
fwS=2.74
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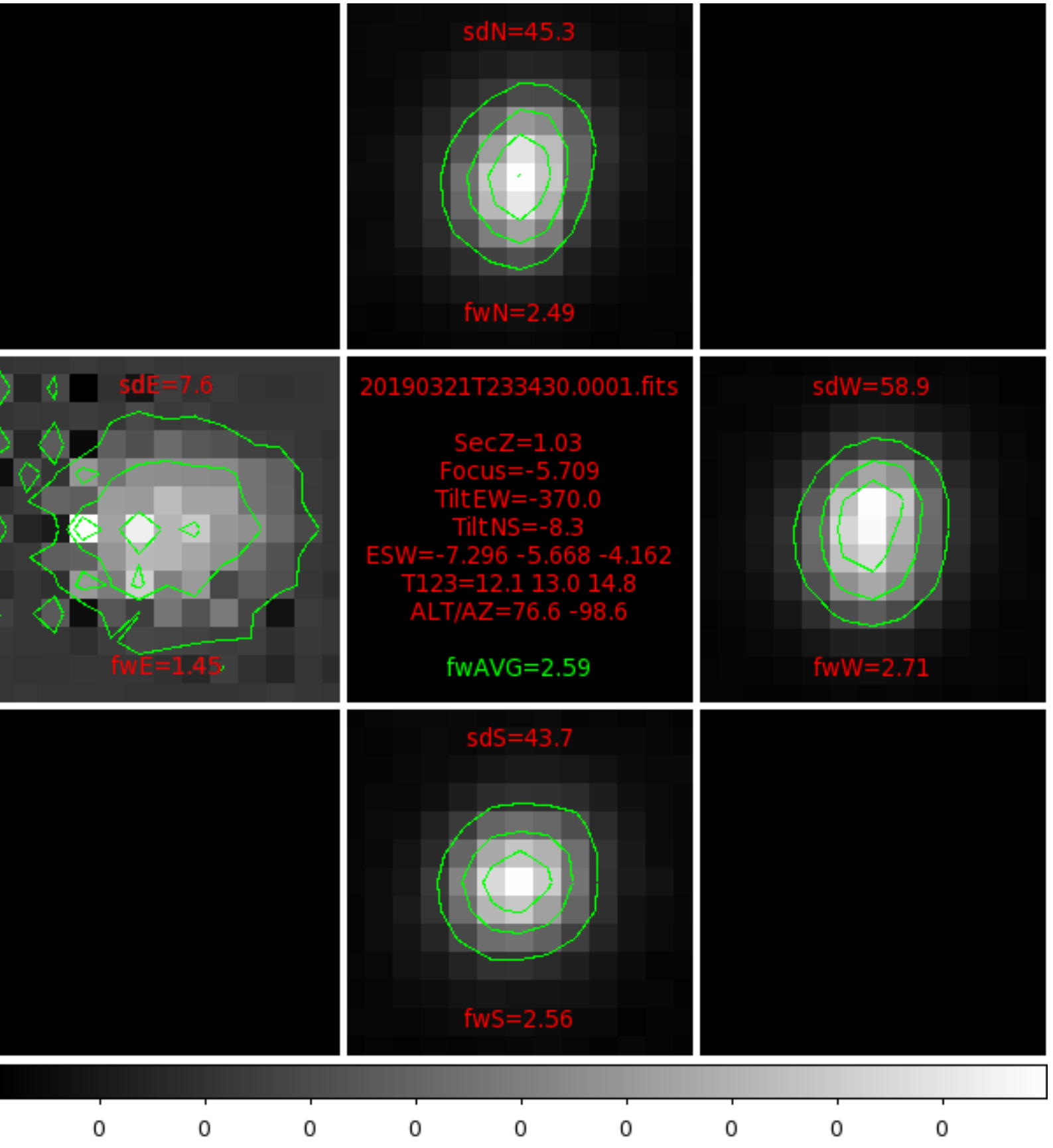
sdN=45.3
fwN=2.49
sdE=7.6
fwE=1.45
20190321T233430.0001.fits
SecZ=1.03
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=12.1 13.0 14.8
ALT/AZ=76.6 -98.6
fwAVG=2.59
sdW=58.9
fwW=2.71
sdS=43.7
fwS=2.56
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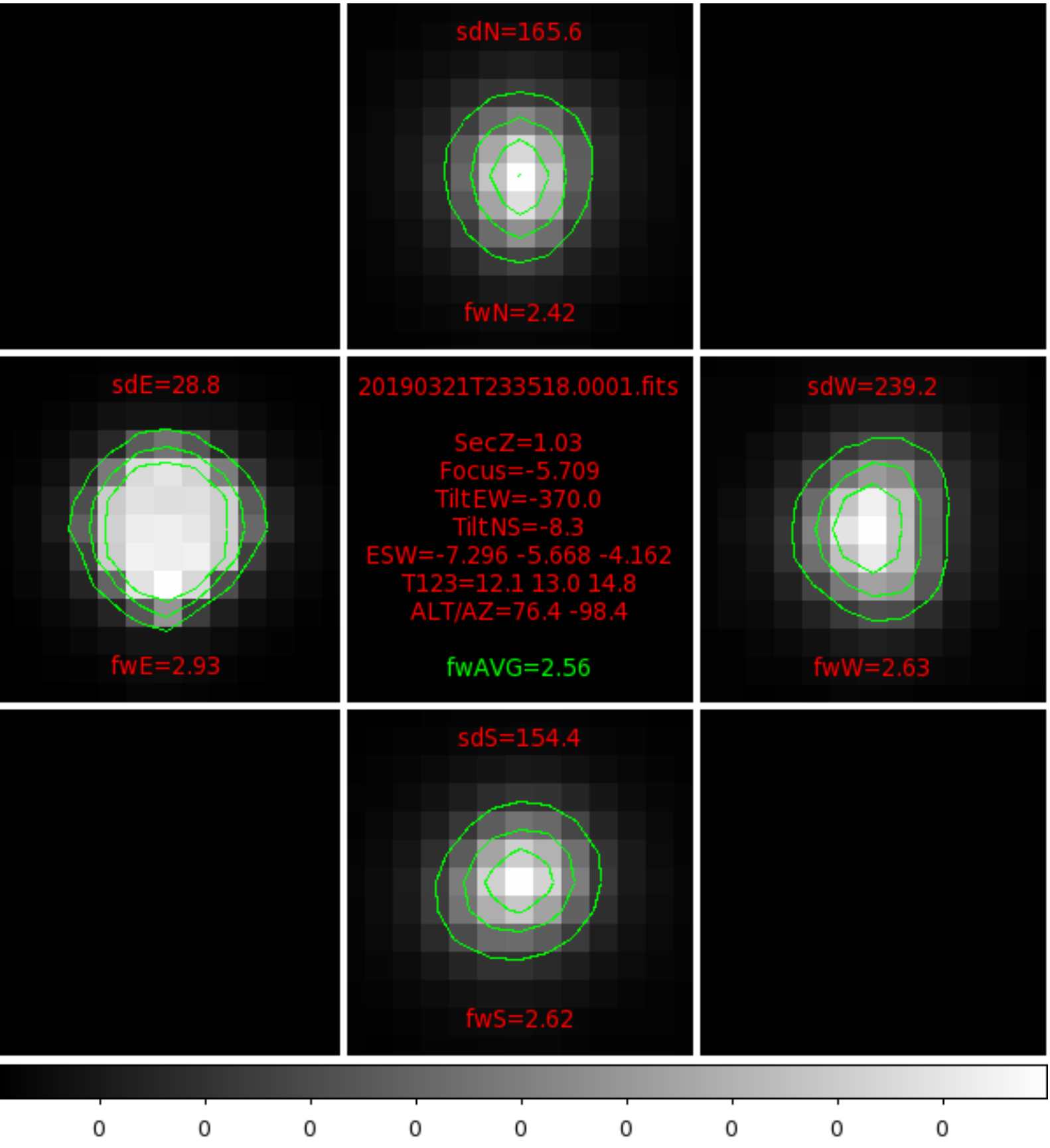
sdN=165.6
fwN=2.42
sdE=28.8
fwE=2.93
20190321T233518.0001.fits
SecZ=1.03
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=12.1 13.0 14.8
ALT/AZ=76.4 -98.4
fwAVG=2.56
sdW=239.2
fwW=2.63
sdS=154.4
fwS=2.62
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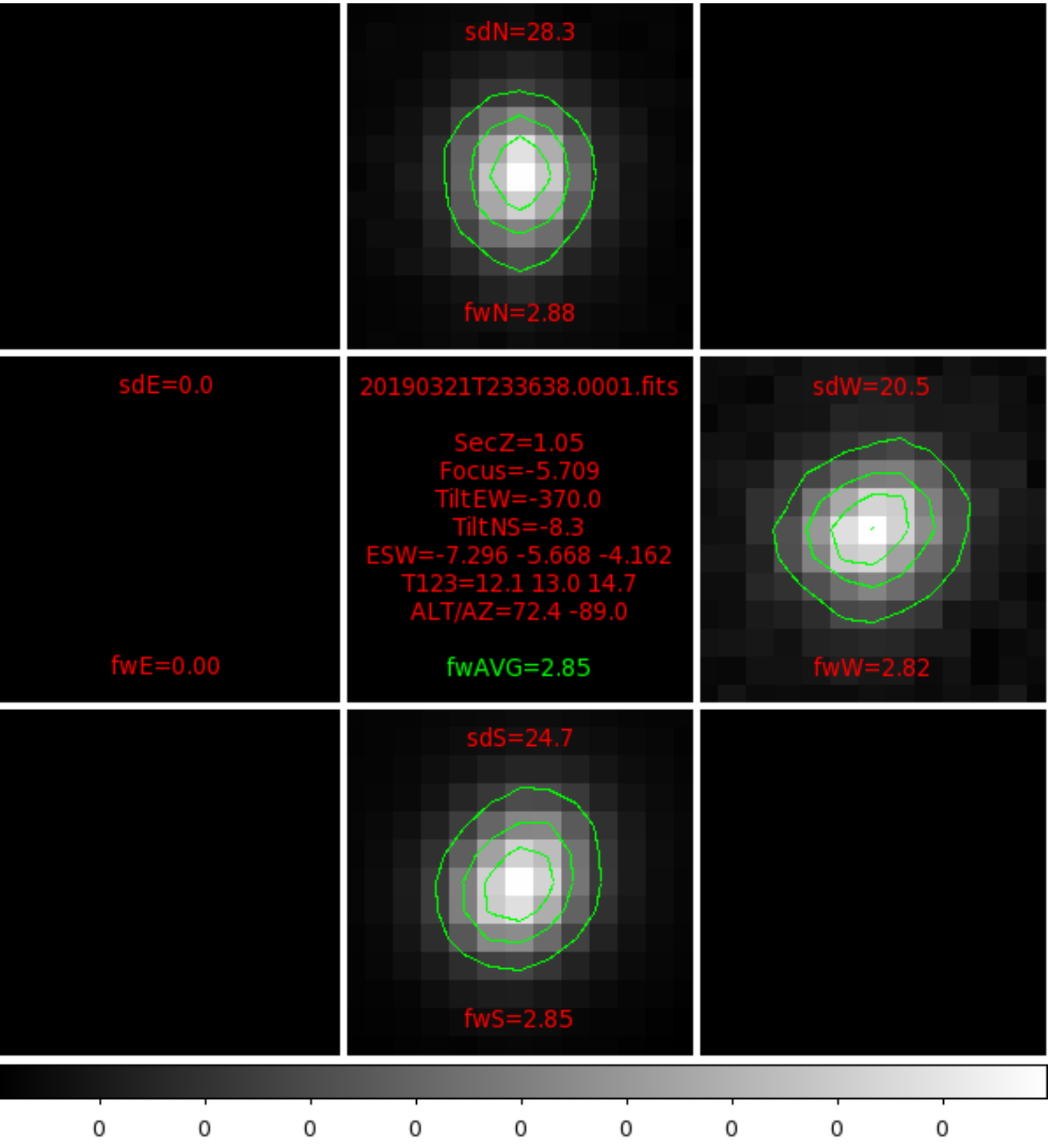
sdN=28.3
fwN=2.88
sdE=0.0
fwE=0.00
20190321T233638.0001.fits
SecZ=1.05
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=12.1 13.0 14.7
ALT/AZ=72.4 -89.0
fwAVG=2.85
sdW=20.5
fwW=2.82
sdS=24.7
fwS=2.85
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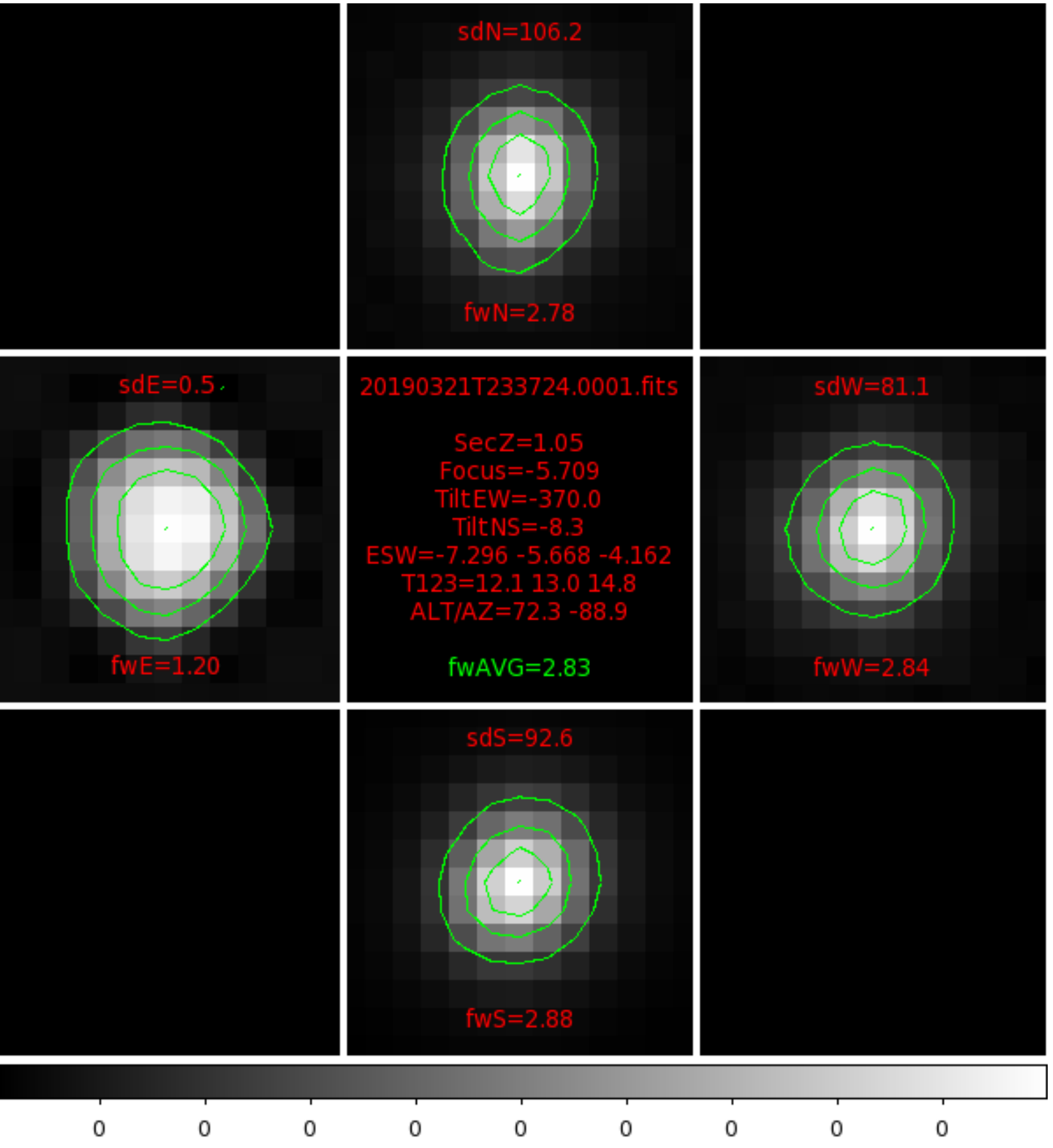
sdN=106.2
fwN=2.78
sdE=0.5
fwE=1.20
20190321T233724.0001.fits
SecZ=1.05
Focus=-5.709
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.296 -5.668 -4.162
T123=12.1 13.0 14.8
ALT/AZ=72.3 -88.9
fwAVG=2.83
sdW=81.1
fwW=2.84
sdS=92.6
fwS=2.88
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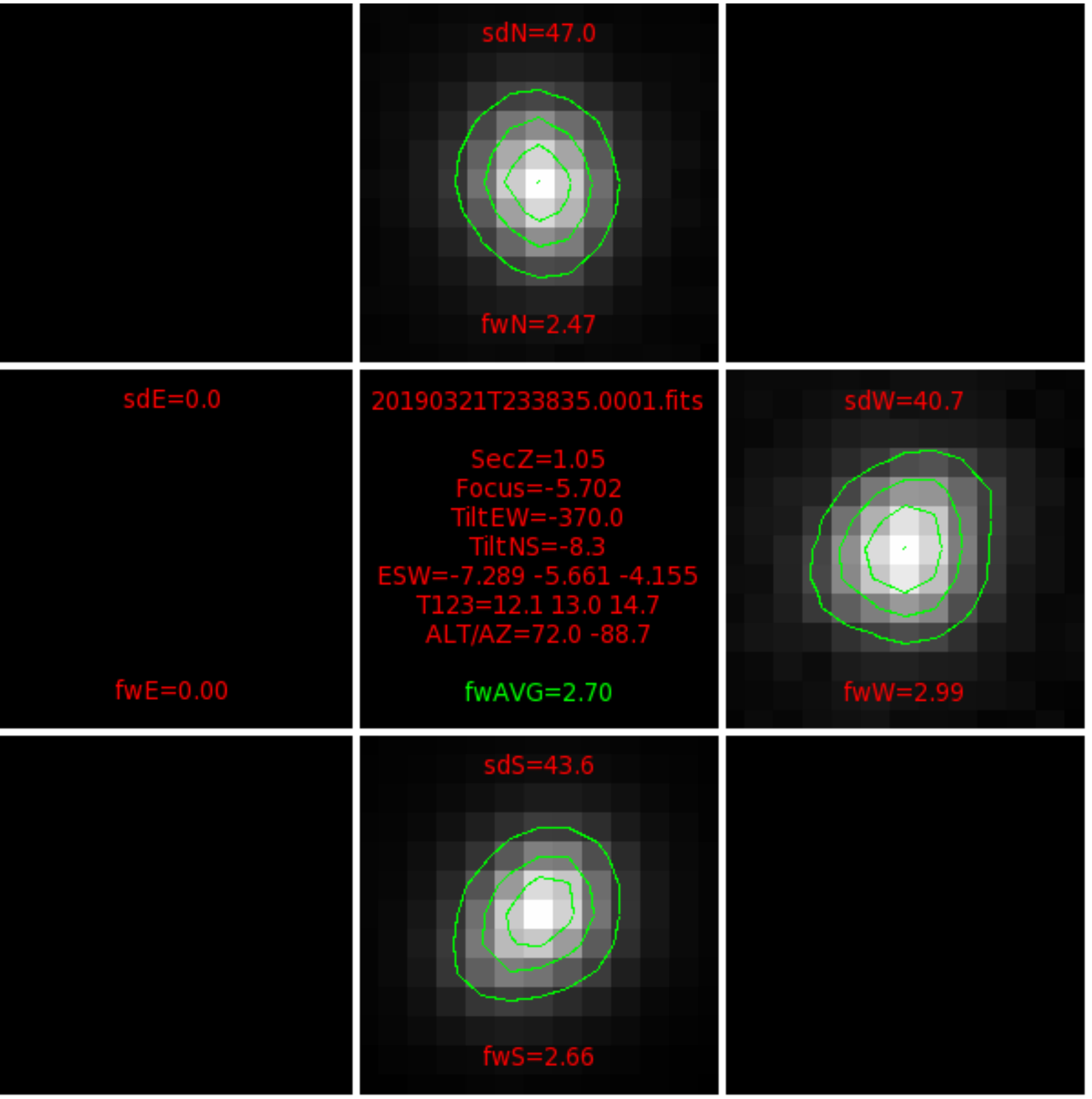
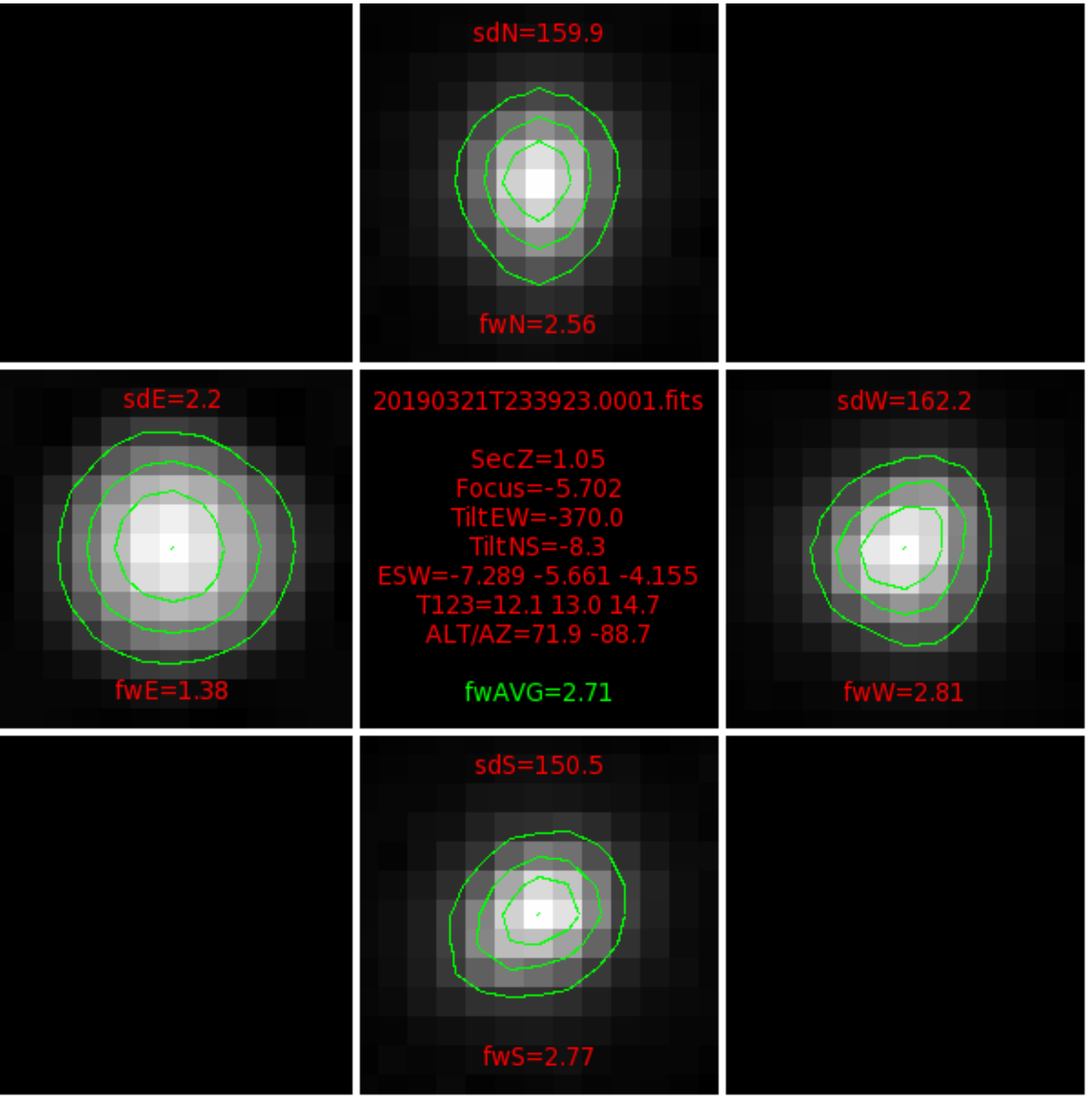

sdN=47.0
fwN=2.47
sdE=0.0
fwE=0.00
20190321T233835.0001.fits
SecZ=1.05
Focus=-5.702
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.289 -5.661 -4.155
T123=12.1 13.0 14.7
ALT/AZ=72.0 -88.7
fwAVG=2.70
sdW=40.7
fwW=2.99
sdS=43.6
fwS=2.66
0 0 0 0 0 0 0 0 0


sdN=159.9
fwN=2.56
sdE=2.2
fwE=1.38
20190321T233923.0001.fits
SecZ=1.05
Focus=-5.702
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.289 -5.661 -4.155
T123=12.1 13.0 14.7
ALT/AZ=71.9 -88.7
fwAVG=2.71
sdW=162.2
fwW=2.81
sdS=150.5
fwS=2.77
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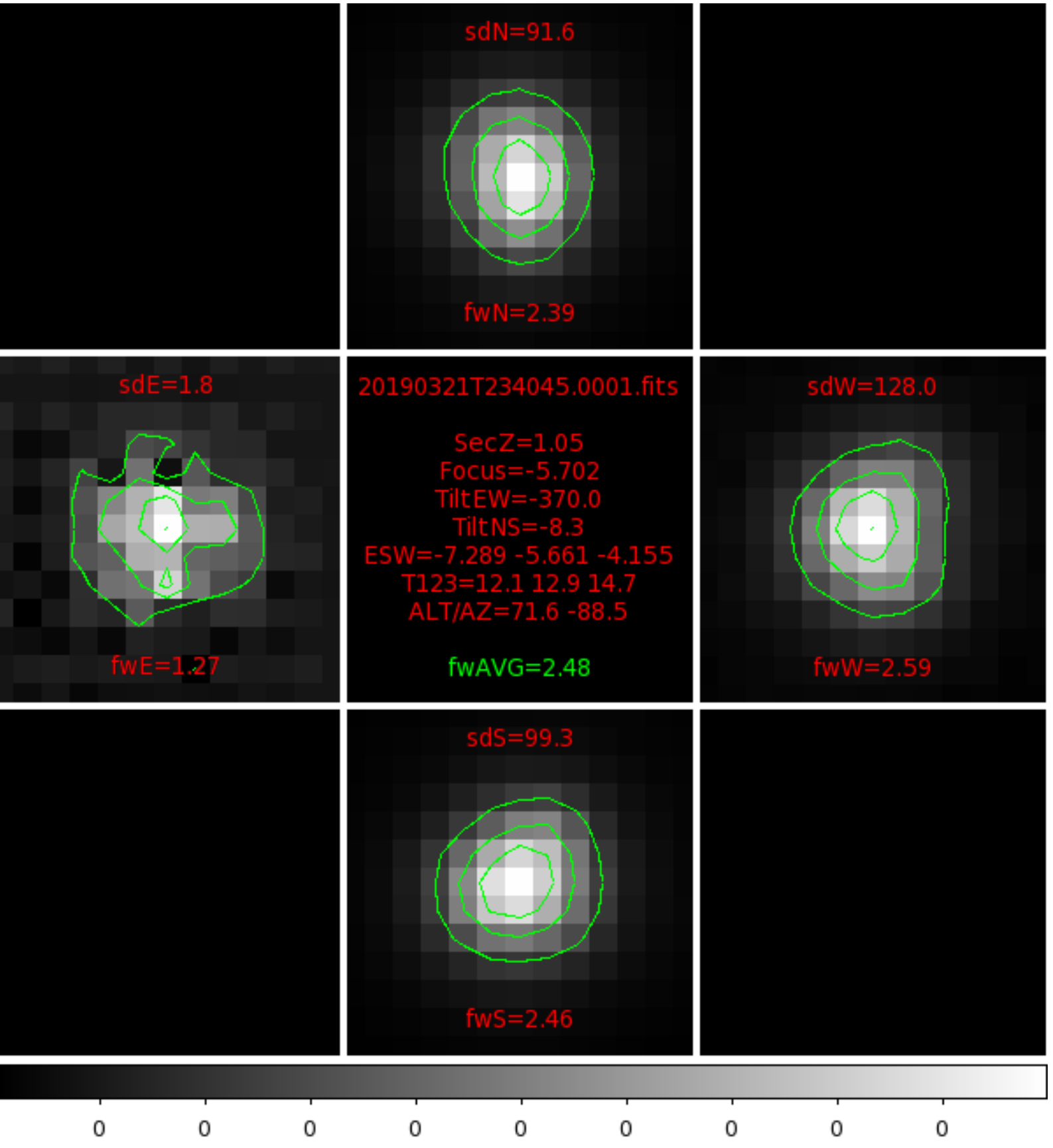
sdN=91.6
fwN=2.39
sdE=1.8
fwE=1.27
20190321T234045.0001.fits
SecZ=1.05
Focus=-5.702
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.289 -5.661 -4.155
T123=12.1 12.9 14.7
ALT/AZ=71.6 -88.5
fwAVG=2.48
sdW=128.0
fwW=2.59
sdS=99.3
fwS=2.46
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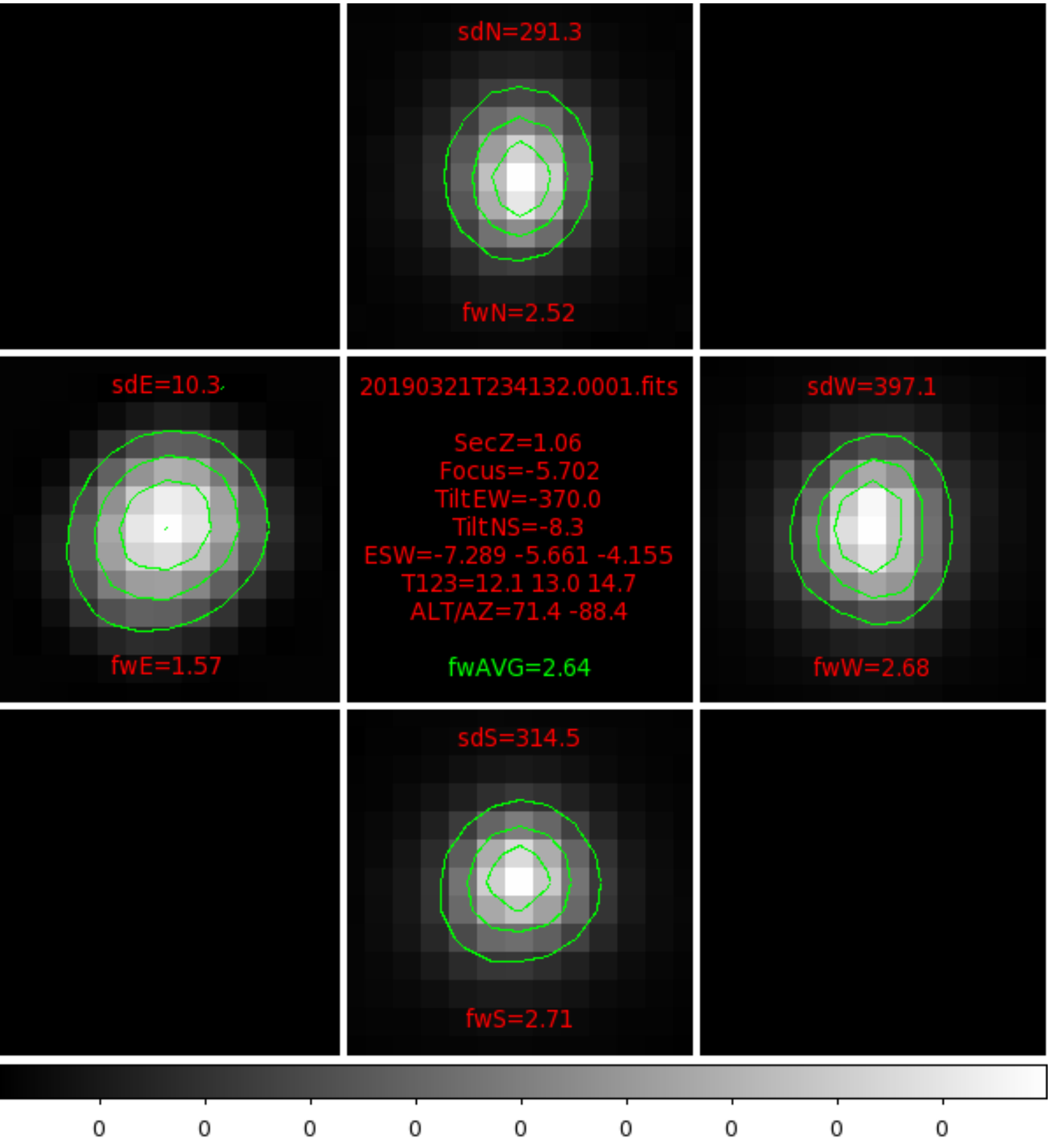
sdN=291.3
fwN=2.52
sdE=10.3
fwE=1.57
20190321T234132.0001.fits
SecZ=1.06
Focus=-5.702
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.289 -5.661 -4.155
T123=12.1 13.0 14.7
ALT/AZ=71.4 -88.4
fwAVG=2.64
sdW=397.1
fwW=2.68
sdS=314.5
fwS=2.71
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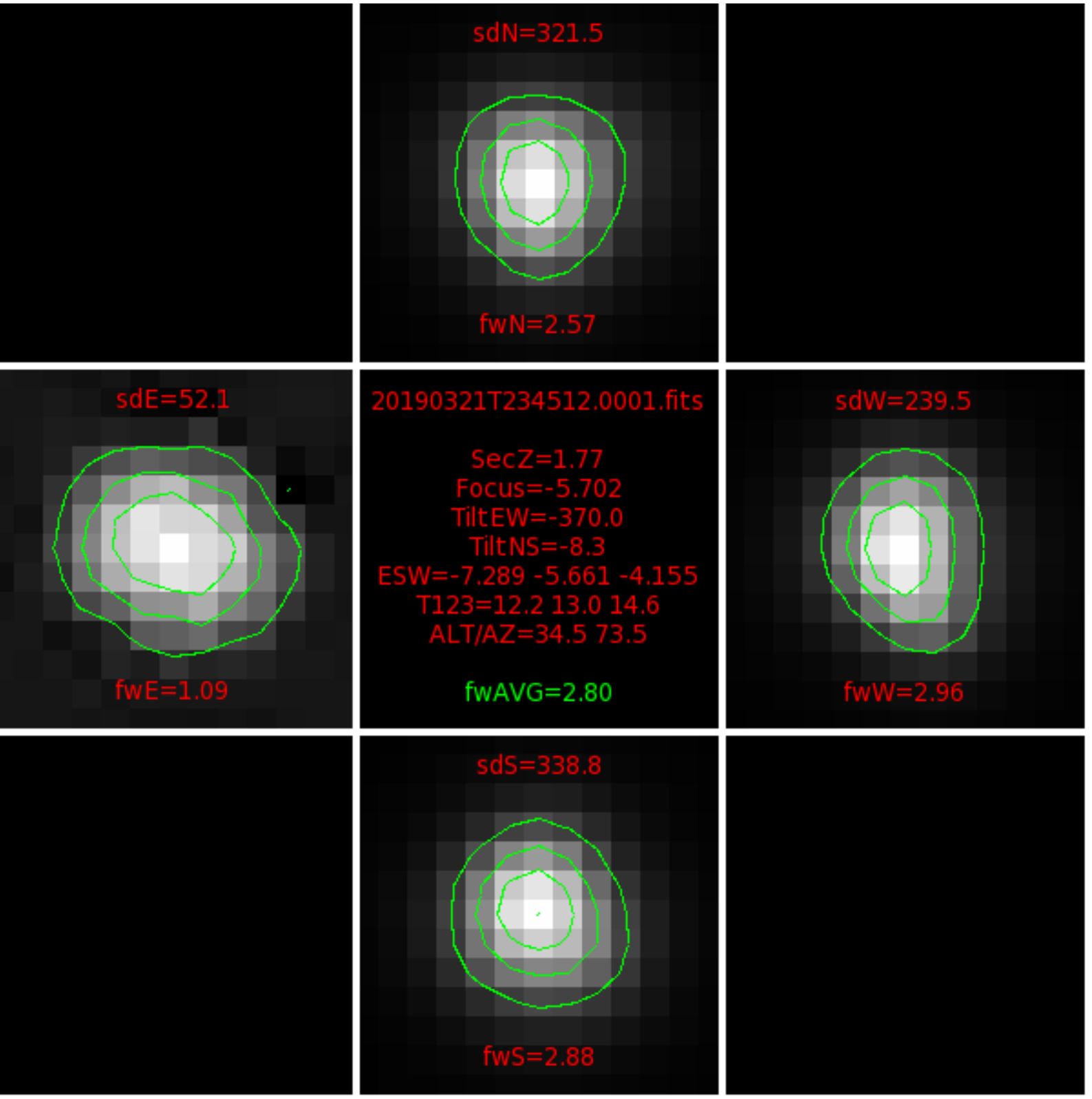
sdN=321.5
fwN=2.57
sdE=52.1
fwE=1.09
20190321T234512.0001.fits
SecZ=1.77
Focus=-5.702
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.289 -5.661 -4.155
T123=12.2 13.0 14.6
ALT/AZ=34.5 73.5
fwAVG=2.80
sdW=239.5
fwW=2.96
sdS=338.8
fwS=2.88
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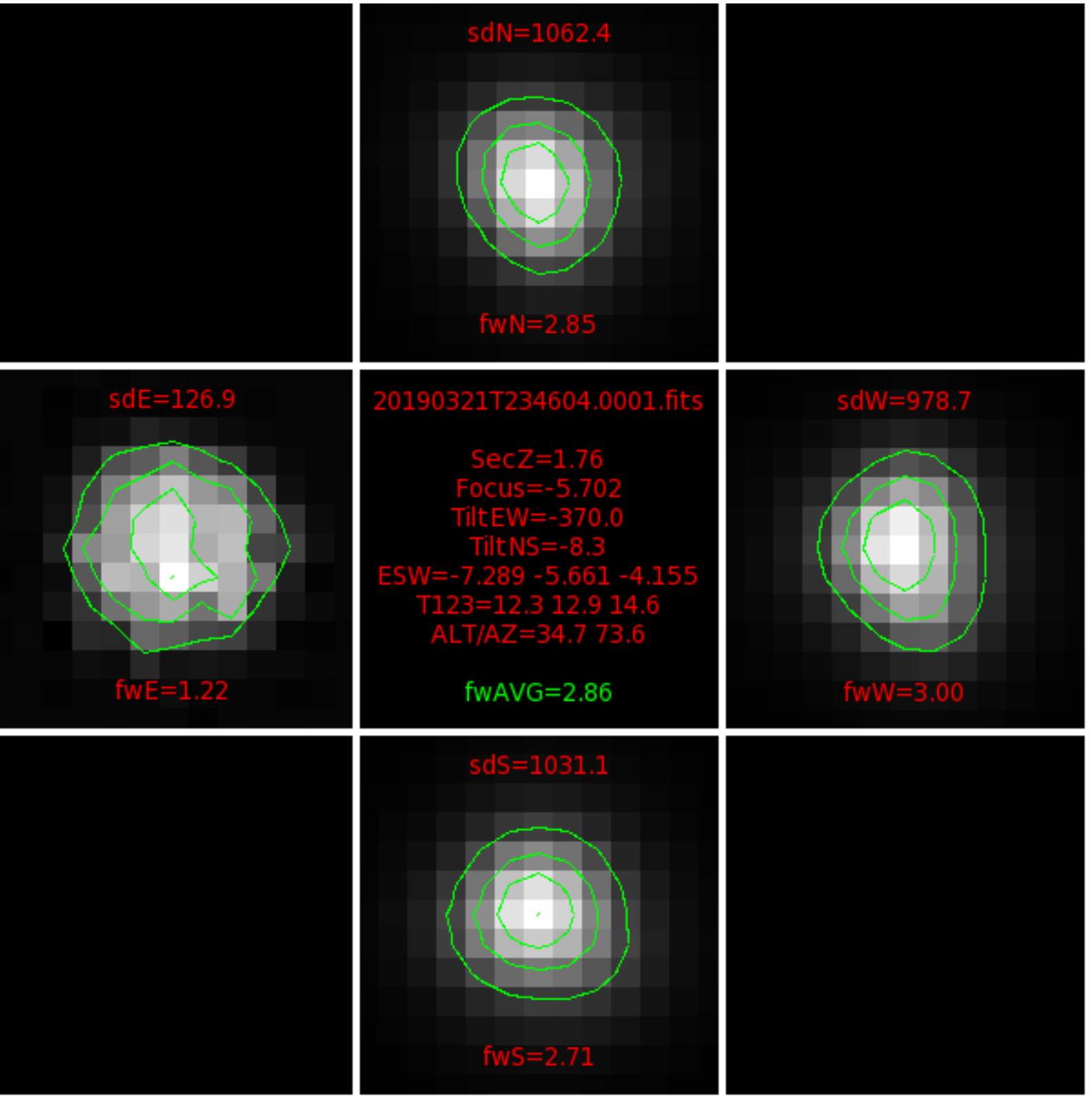
sdN=1062.4
fwN=2.85
sdE=126.9
fwE=1.22
20190321T234604.0001.fits
SecZ=1.76
Focus=-5.702
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.289 -5.661 -4.155
T123=12.3 12.9 14.6
ALT/AZ=34.7 73.6
fwAVG=2.86
sdW=978.7
fwW=3.00
sdS=1031.1
fwS=2.71
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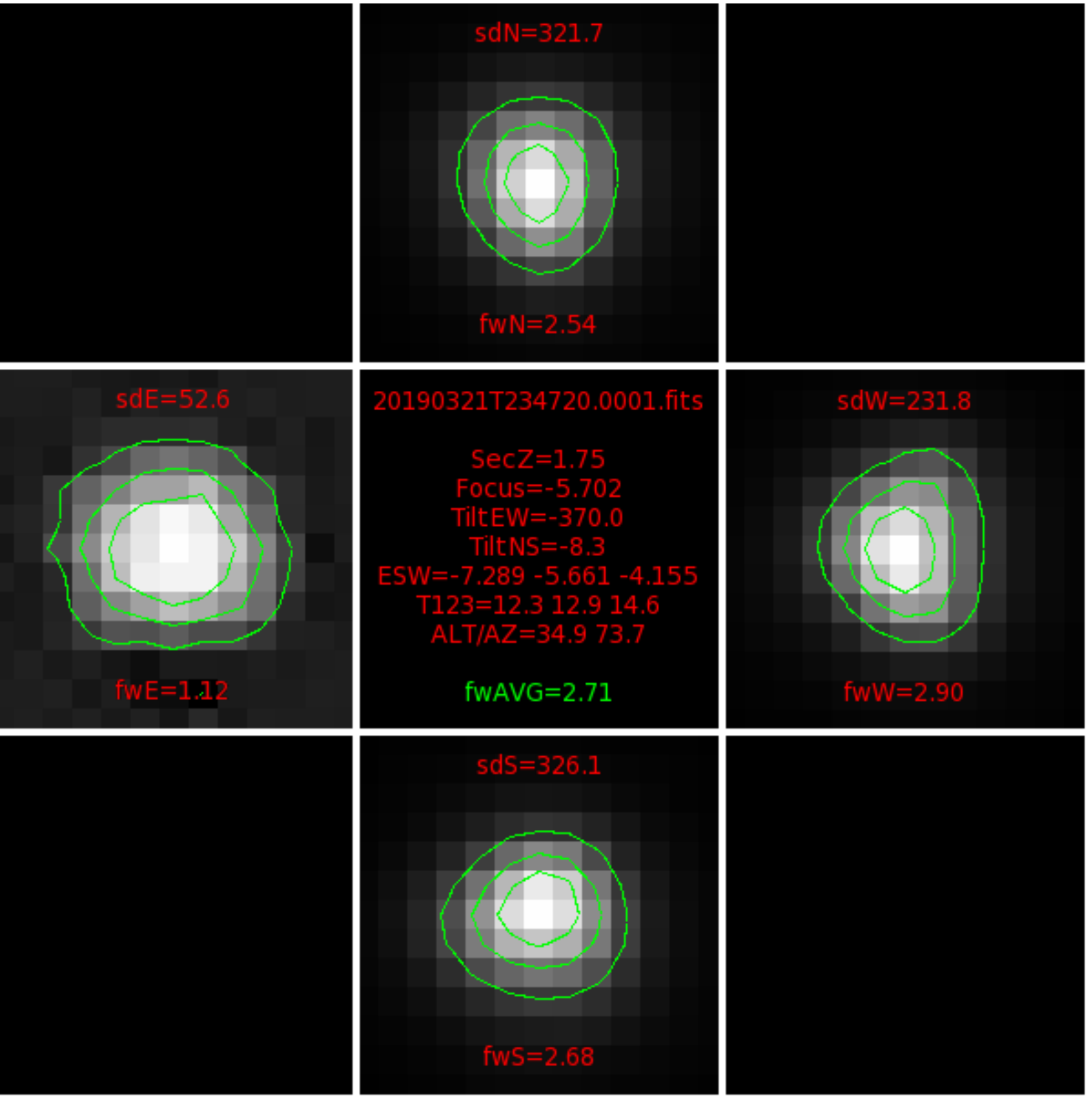
sdN=321.7
fwN=2.54
sdE=52.6
fwE=1.12
20190321T234720.0001.fits
SecZ=1.75
Focus=-5.702
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.289 -5.661 -4.155
T123=12.3 12.9 14.6
ALT/AZ=34.9 73.7
fwAVG=2.71
sdW=231.8
fwW=2.90
sdS=326.1
fwS=2.68
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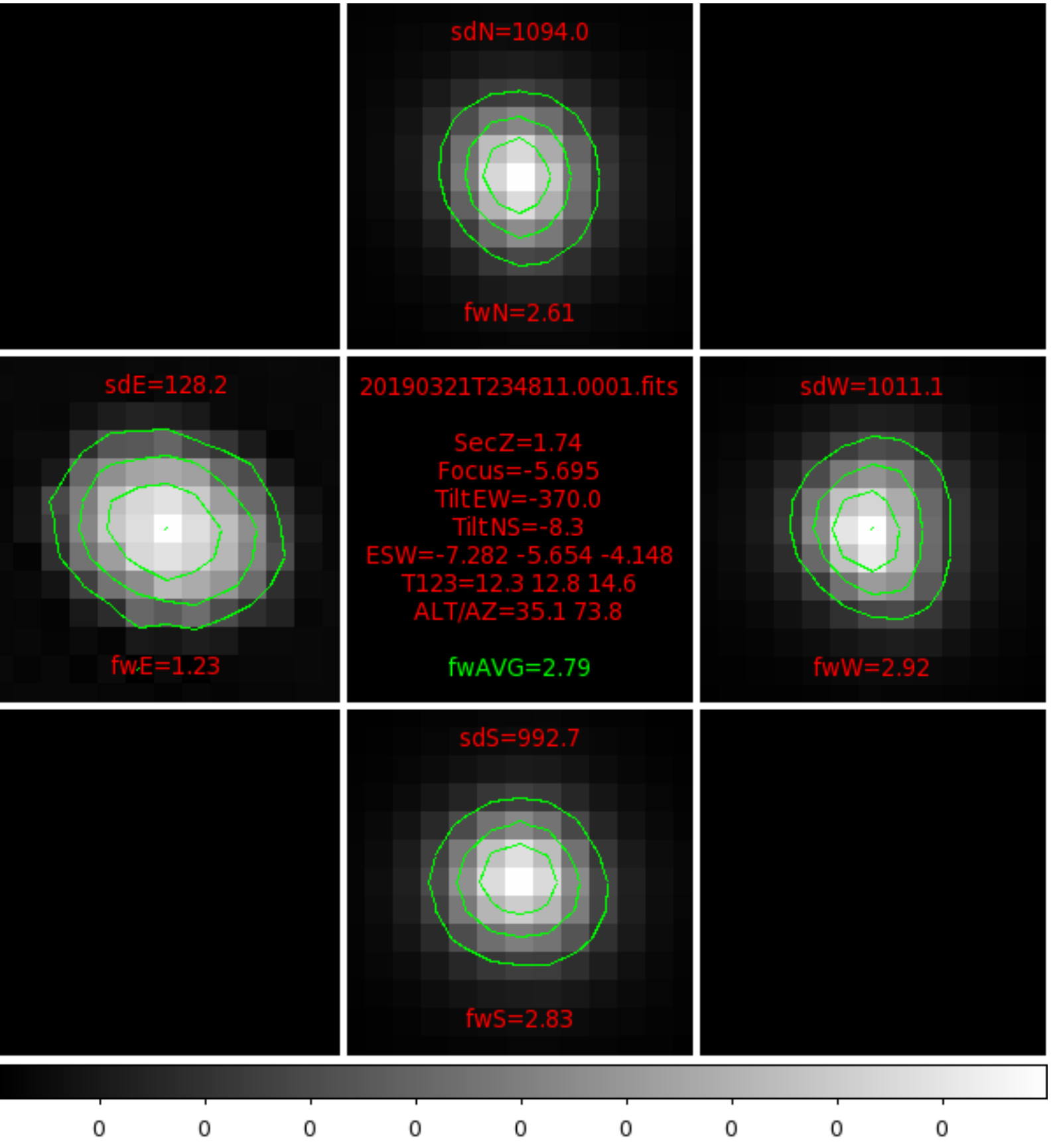
sdN=1094.0
fwN=2.61
sdE=128.2
fwE=1.23
20190321T234811.0001.fits
SecZ=1.74
Focus=-5.695
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.282 -5.654 -4.148
T123=12.3 12.8 14.6
ALT/AZ=35.1 73.8
fwAVG=2.79
sdW=1011.1
fwW=2.92
sdS=992.7
fwS=2.83
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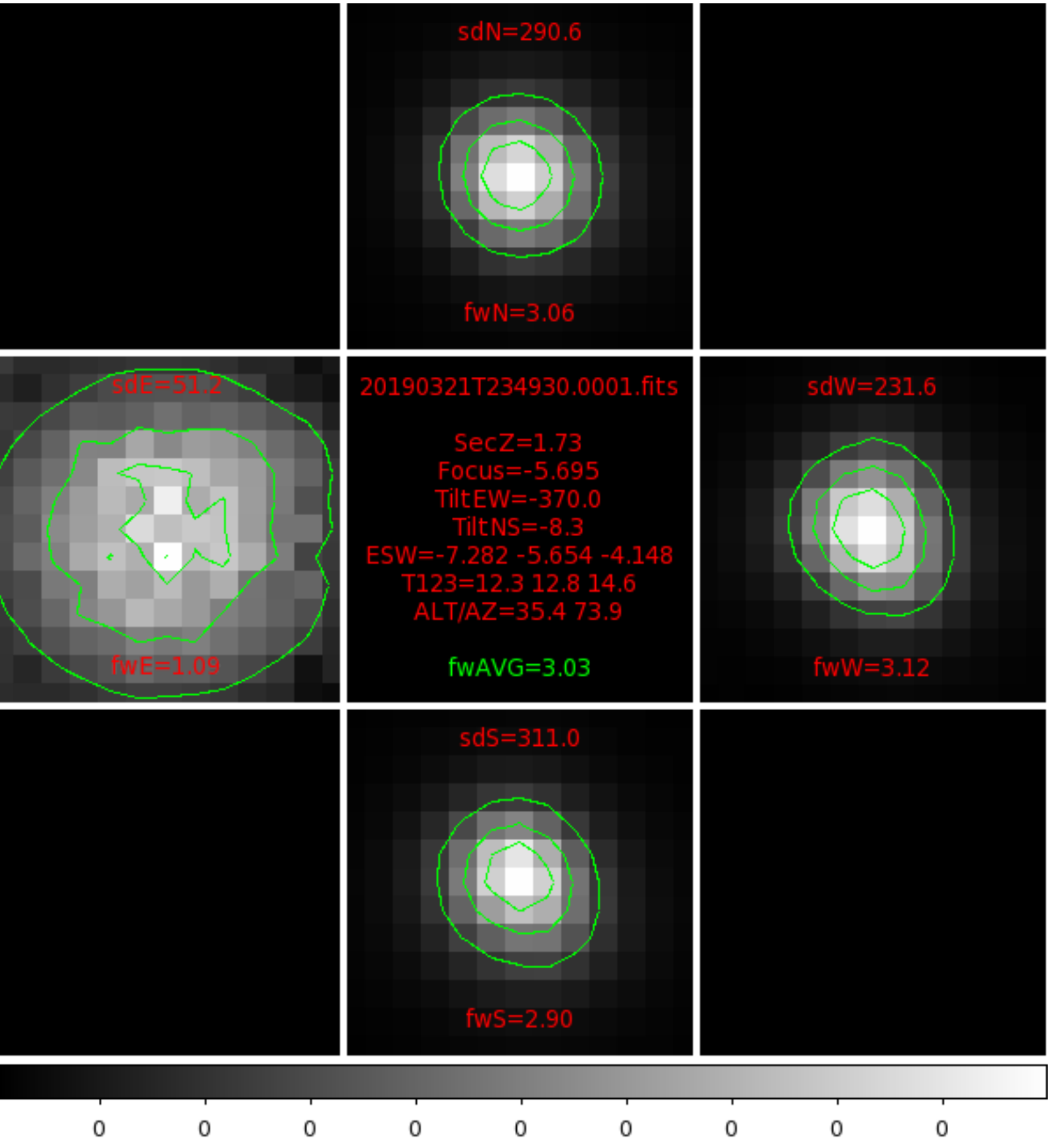
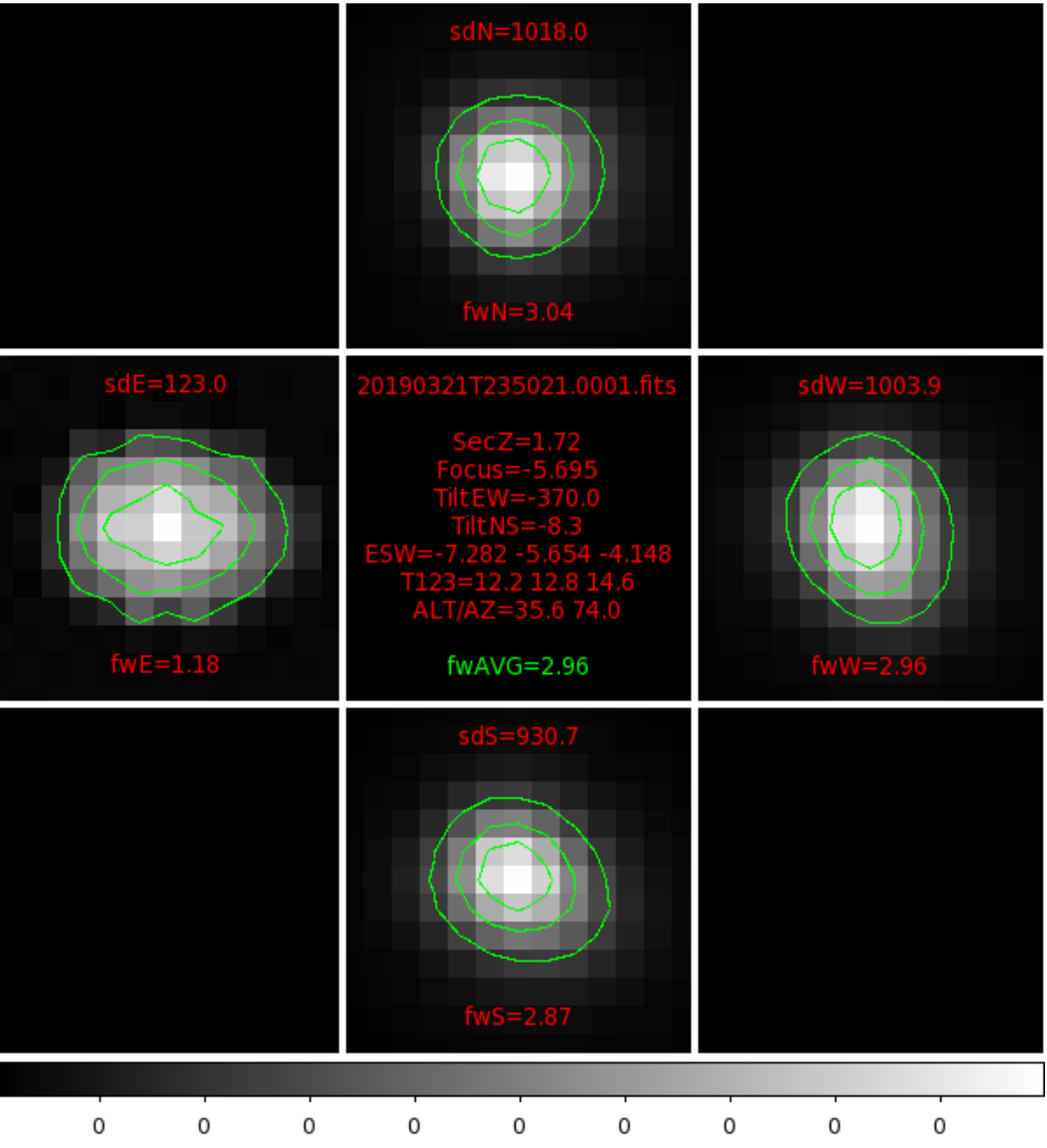

sdN=290.6
fwN=3.06
sdE=51.2
fwE=1.09
20190321T234930.0001.fits
SecZ=1.73
Focus=-5.695
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.282 -5.654 -4.148
T123=12.3 12.8 14.6
ALT/AZ=35.4 73.9
fwAVG=3.03
sdW=231.6
fwW=3.12
sdS=311.0
fwS=2.90
0 0 0 0 0 0 0 0 0


sdN=1018.0
fwN=3.04
sdE=123.0
fwE=1.18
20190321T235021.0001.fits
SecZ=1.72
Focus=-5.695
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.282 -5.654 -4.148
T123=12.2 12.8 14.6
ALT/AZ=35.6 74.0
fwAVG=2.96
sdW=1003.9
fwW=2.96
sdS=930.7
fwS=2.87
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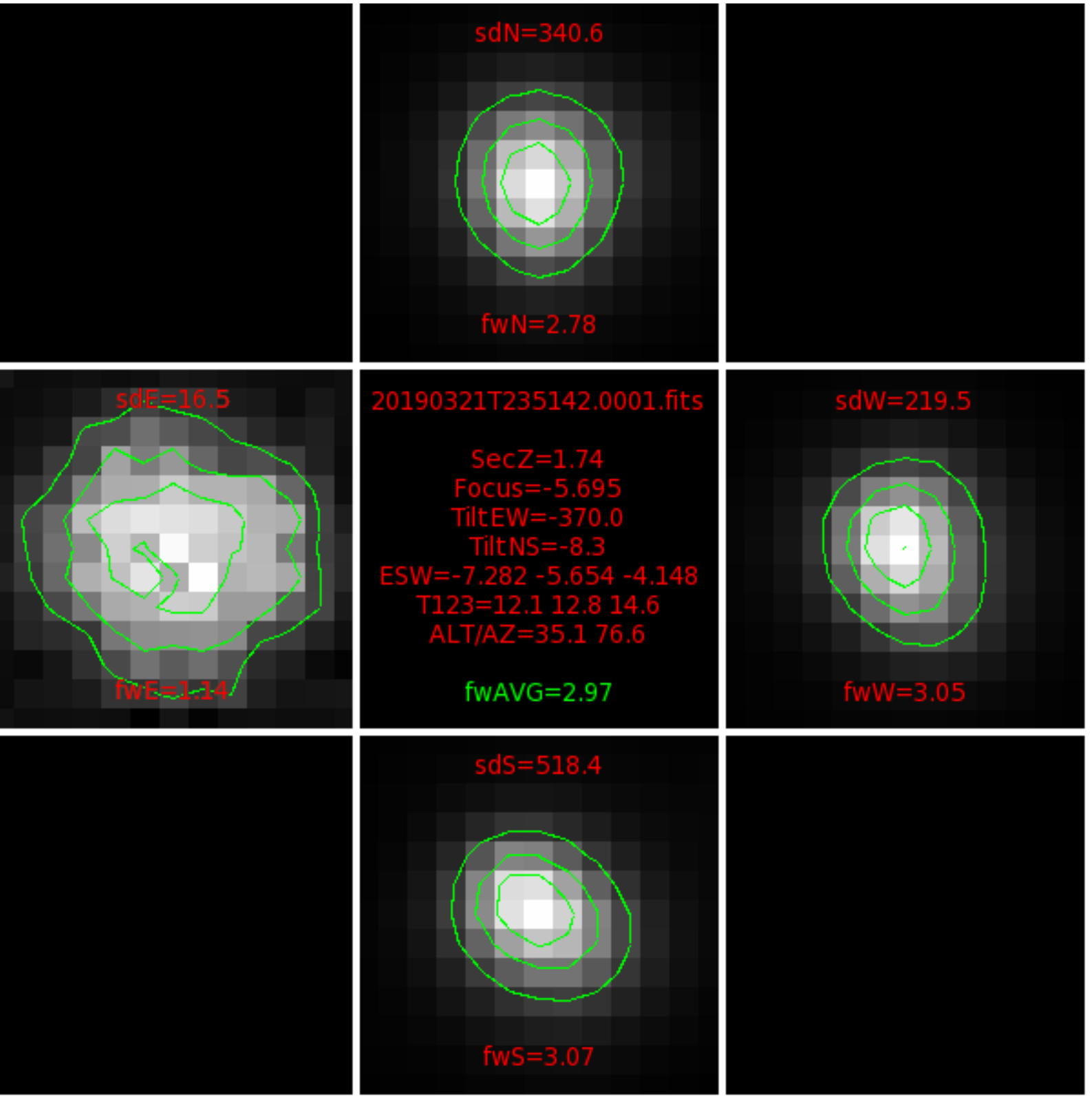
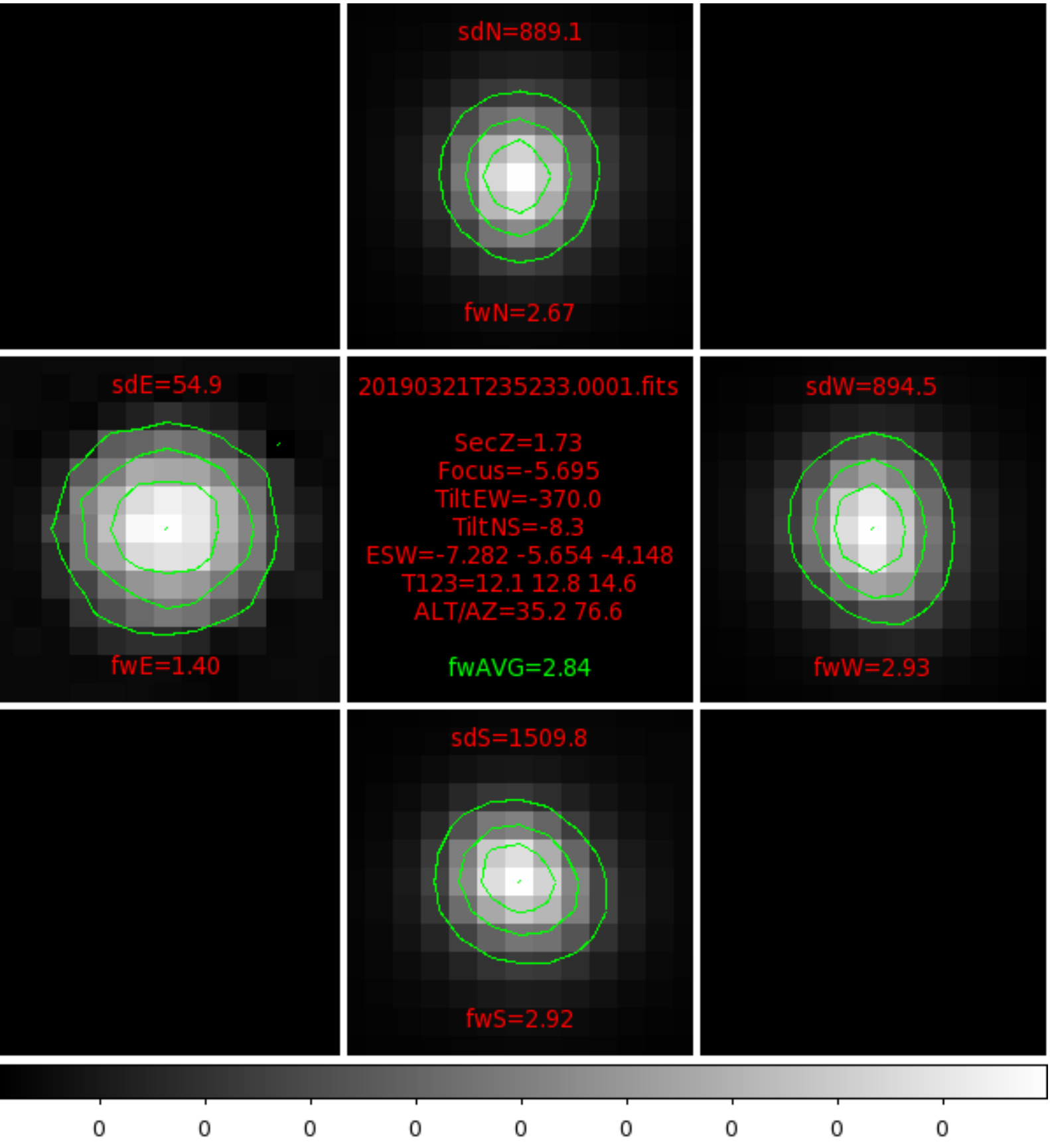

sdN=340.6
fwN=2.78
sdE=16.5
fwE=1.14
20190321T235142.0001.fits
SecZ=1.74
Focus=-5.695
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.282 -5.654 -4.148
T123=12.1 12.8 14.6
ALT/AZ=35.1 76.6
fwAVG=2.97
sdW=219.5
fwW=3.05
sdS=518.4
fwS=3.07
0 0 0 0 0 0 0 0 0


sdN=889.1
fwN=2.67
sdE=54.9
fwE=1.40
20190321T235233.0001.fits
SecZ=1.73
Focus=-5.695
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.282 -5.654 -4.148
T123=12.1 12.8 14.6
ALT/AZ=35.2 76.6
fwAVG=2.84
sdW=894.5
fwW=2.93
sdS=1509.8
fwS=2.92
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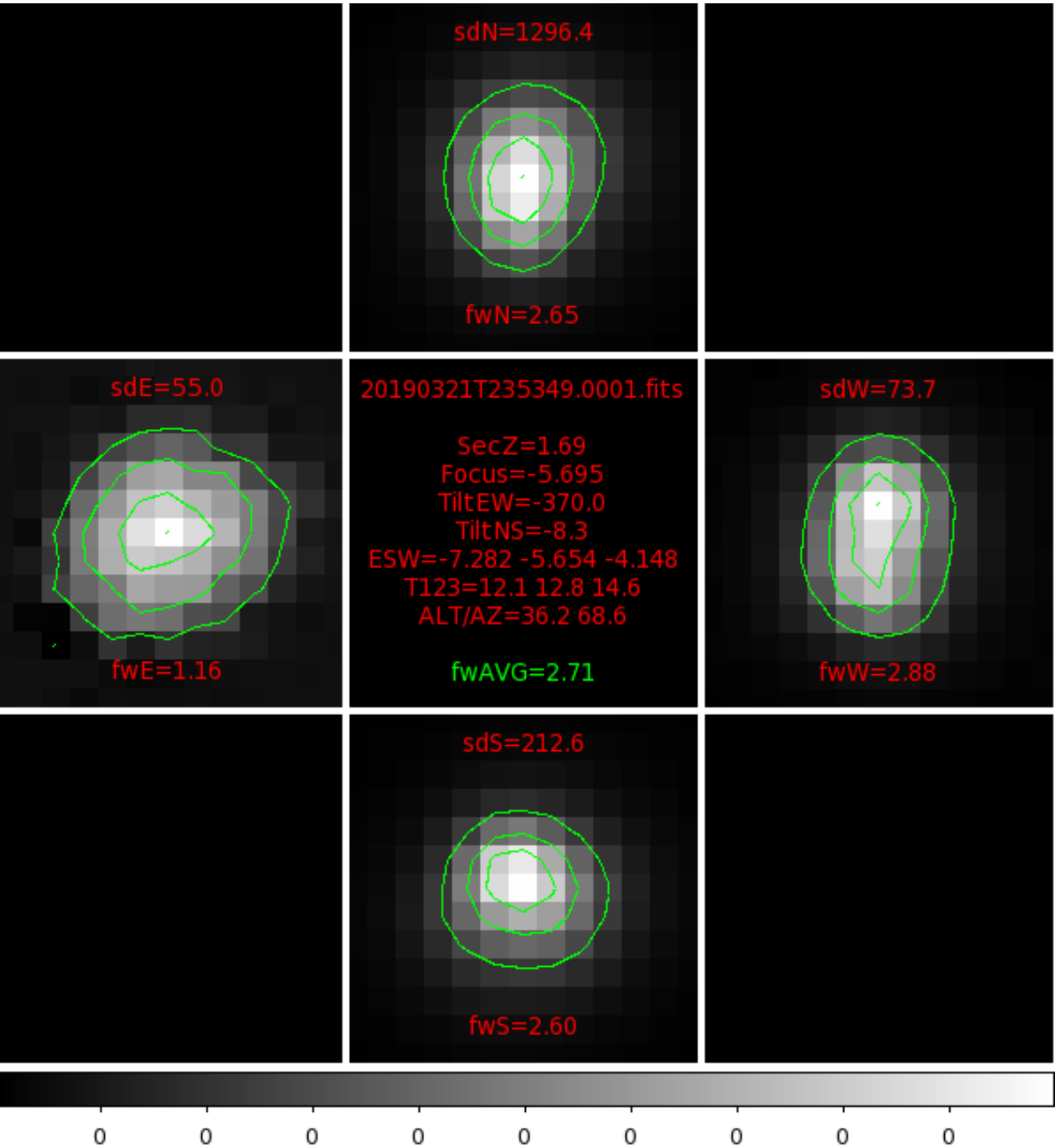
sdN=1296.4
fwN=2.65
sdE=55.0
fwE=1.16
20190321T235349.0001.fits
SecZ=1.69
Focus=-5.695
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.282 -5.654 -4.148
T123=12.1 12.8 14.6
ALT/AZ=36.2 68.6
fwAVG=2.71
sdW=73.7
fwW=2.88
sdS=212.6
fwS=2.60
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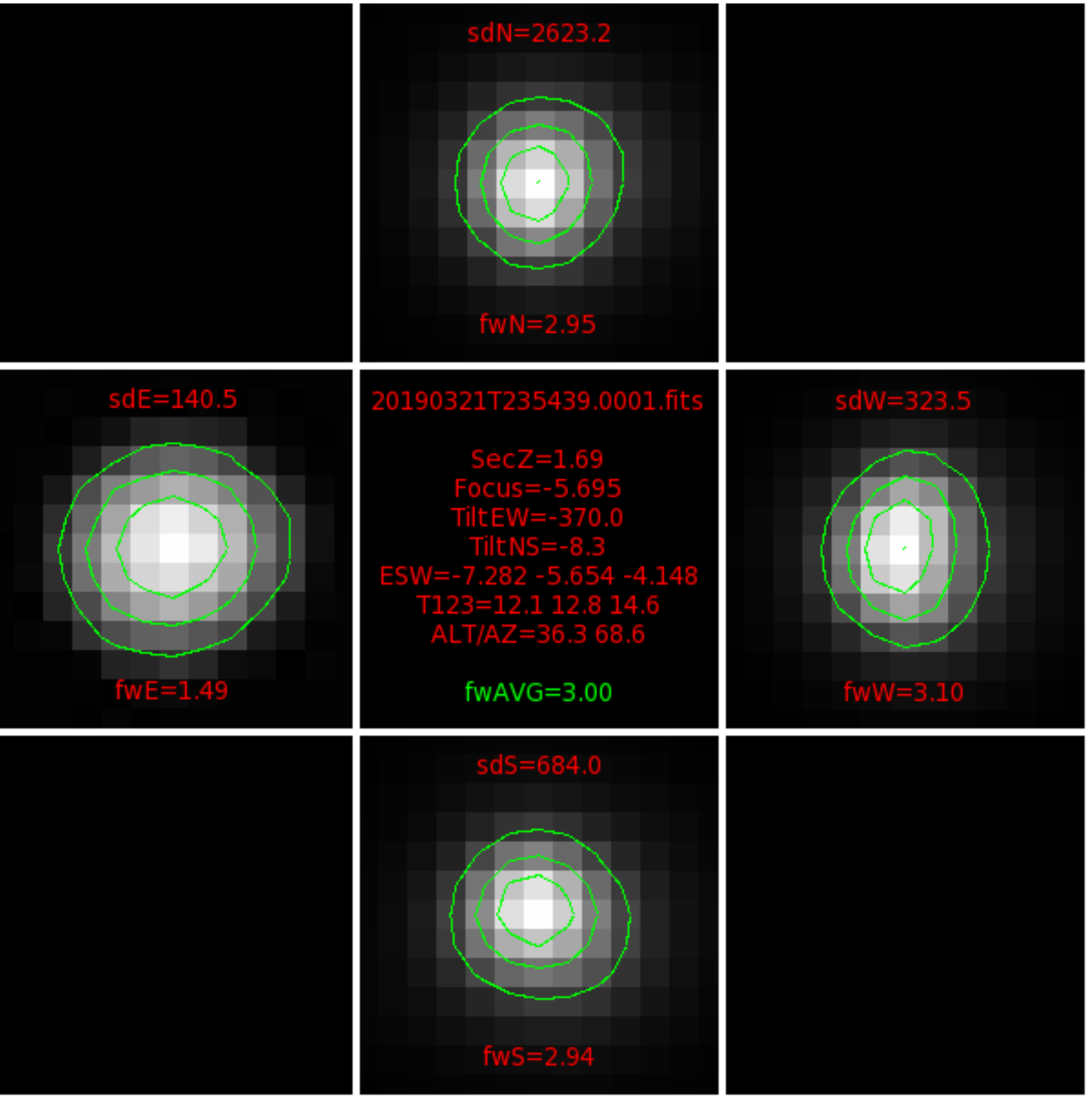
sdN=2623.2
fwN=2.95
sdE=140.5
fwE=1.49
20190321T235439.0001.fits
SecZ=1.69
Focus=-5.695
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.282 -5.654 -4.148
T123=12.1 12.8 14.6
ALT/AZ=36.3 68.6
fwAVG=3.00
sdW=323.5
fwW=3.10
sdS=684.0
fwS=2.94
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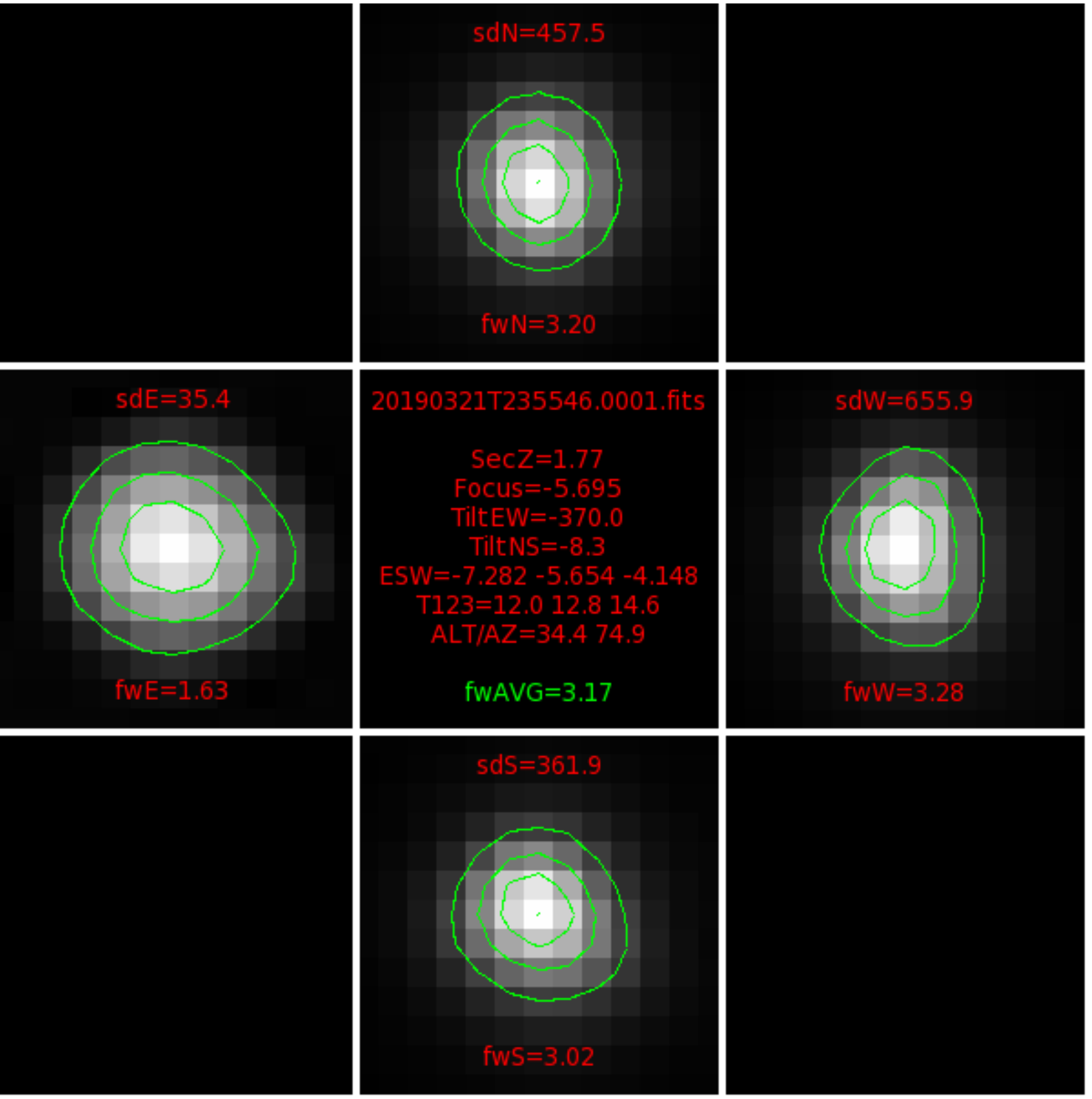
sdN=457.5
fwN=3.20
sdE=35.4
fwE=1.63
20190321T235546.0001.fits
SecZ=1.77
Focus=-5.695
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.282 -5.654 -4.148
T123=12.0 12.8 14.6
ALT/AZ=34.4 74.9
fwAVG=3.17
sdW=655.9
fwW=3.28
sdS=361.9
fwS=3.02
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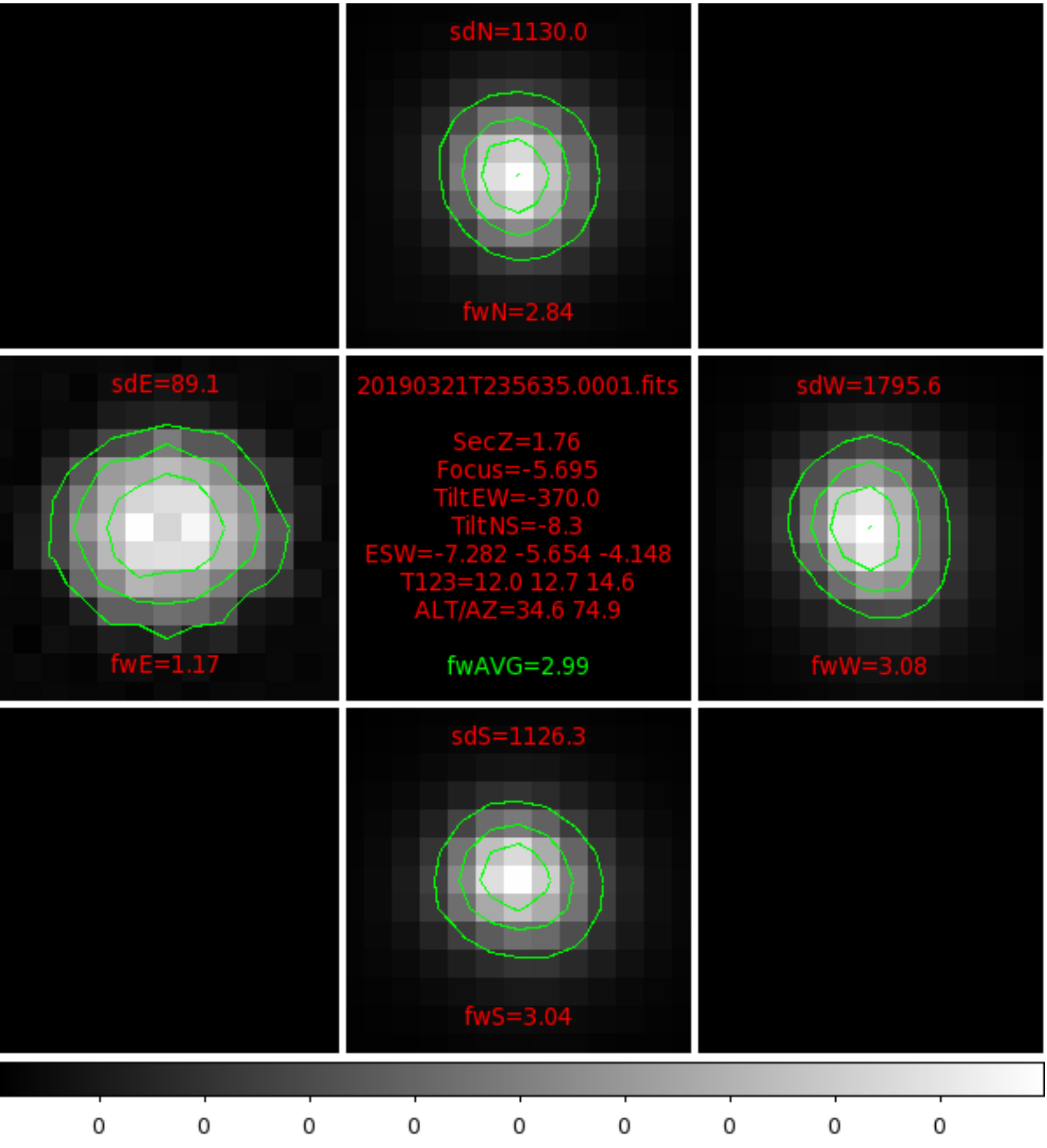
sdN=1130.0
fwN=2.84
sdE=89.1
fwE=1.17
20190321T235635.0001.fits
SecZ=1.76
Focus=-5.695
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.282 -5.654 -4.148
T123=12.0 12.7 14.6
ALT/AZ=34.6 74.9
fwAVG=2.99
sdW=1795.6
fwW=3.08
sdS=1126.3
fwS=3.04
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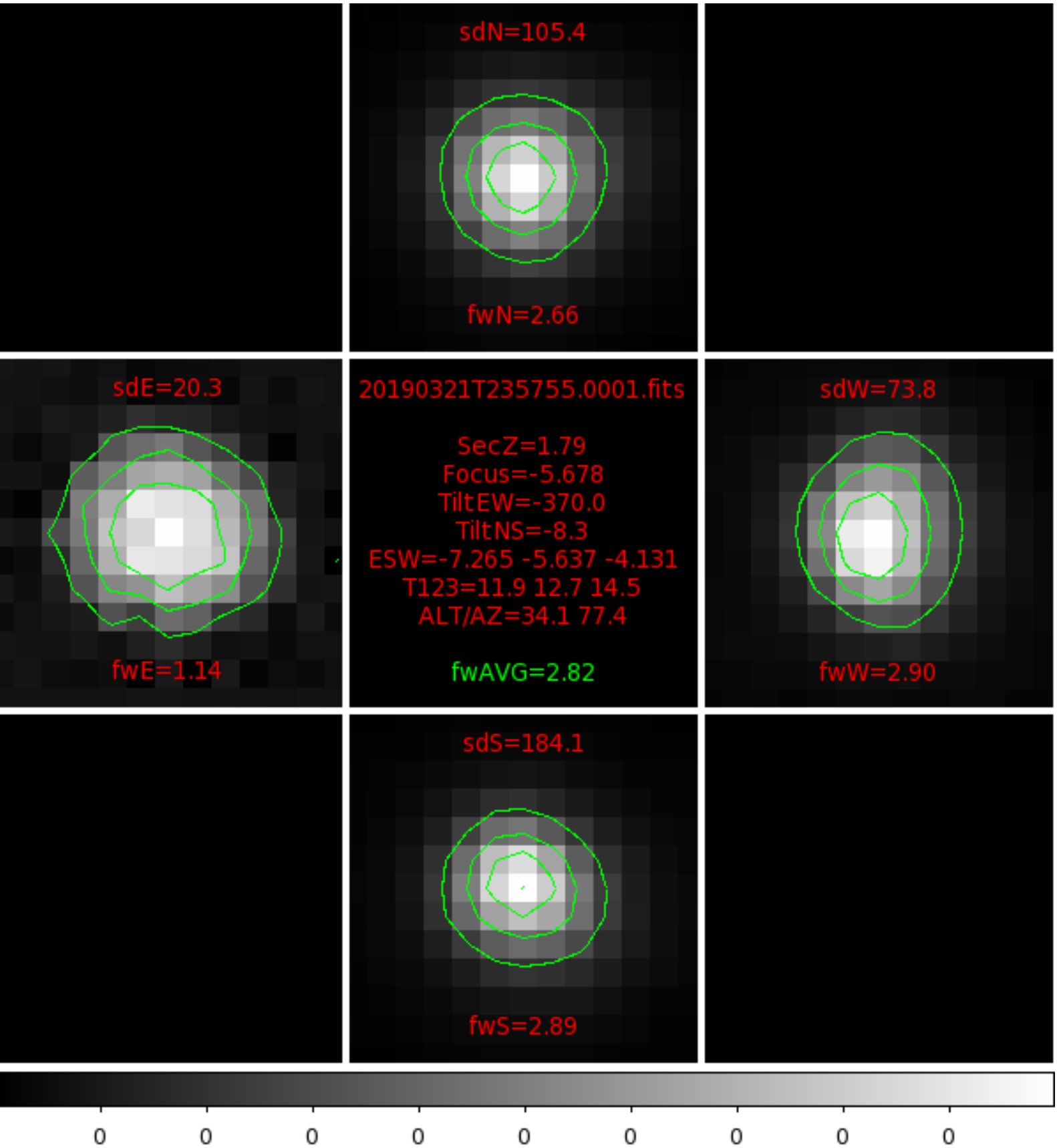
sdN=105.4
fwN=2.66
sdE=20.3
fwE=1.14
20190321T235755.0001.fits
SecZ=1.79
Focus=-5.678
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.265 -5.637 -4.131
T123=11.9 12.7 14.5
ALT/AZ=34.1 77.4
fwAVG=2.82
sdW=73.8
fwW=2.90
sdS=184.1
fwS=2.89
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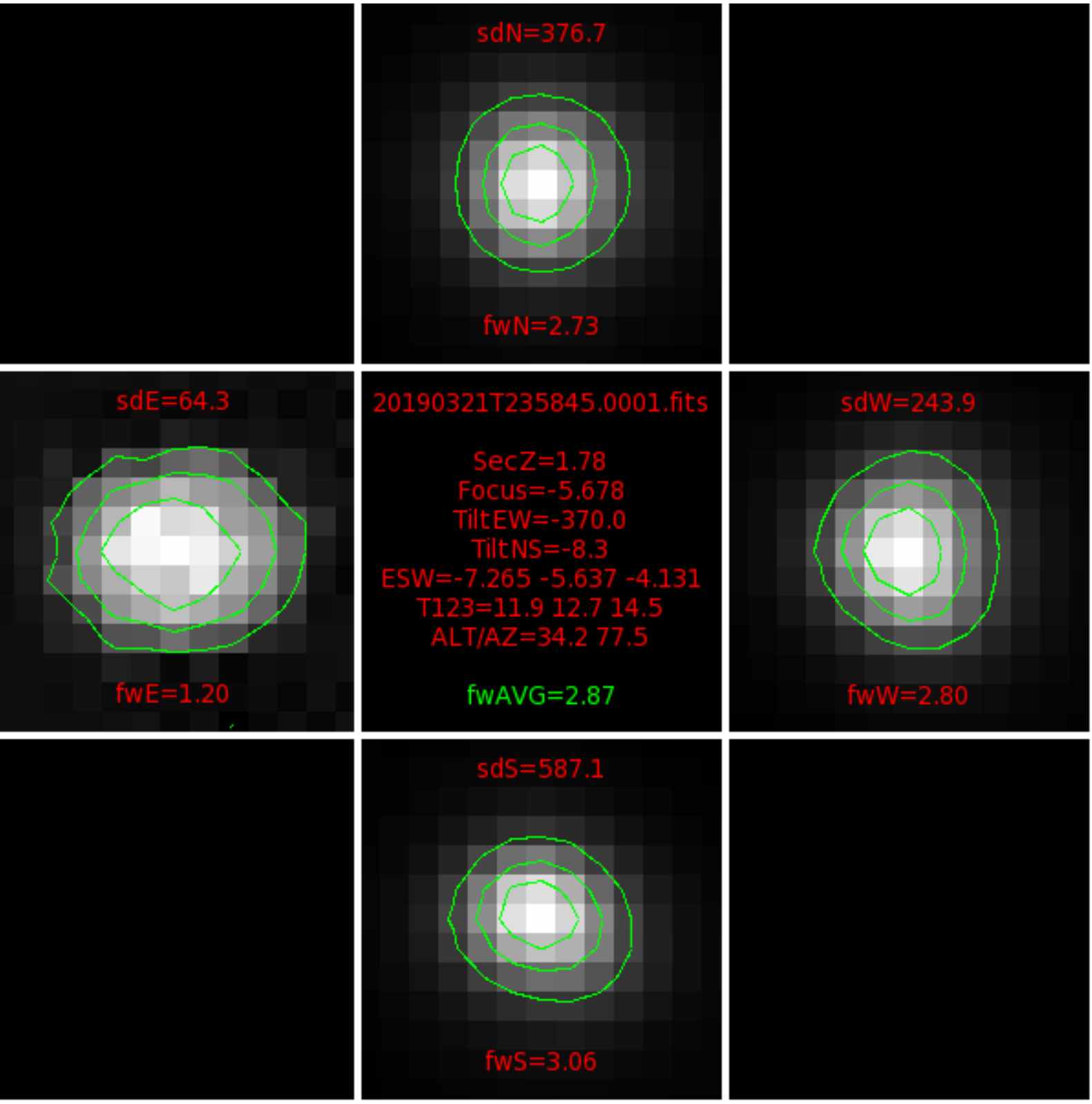
sdN=376.7
fwN=2.73
sdE=64.3
fwE=1.20
20190321T235845.0001.fits
SecZ=1.78
Focus=-5.678
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.265 -5.637 -4.131
T123=11.9 12.7 14.5
ALT/AZ=34.2 77.5
fwAVG=2.87
sdW=243.9
fwW=2.80
sdS=587.1
fwS=3.06
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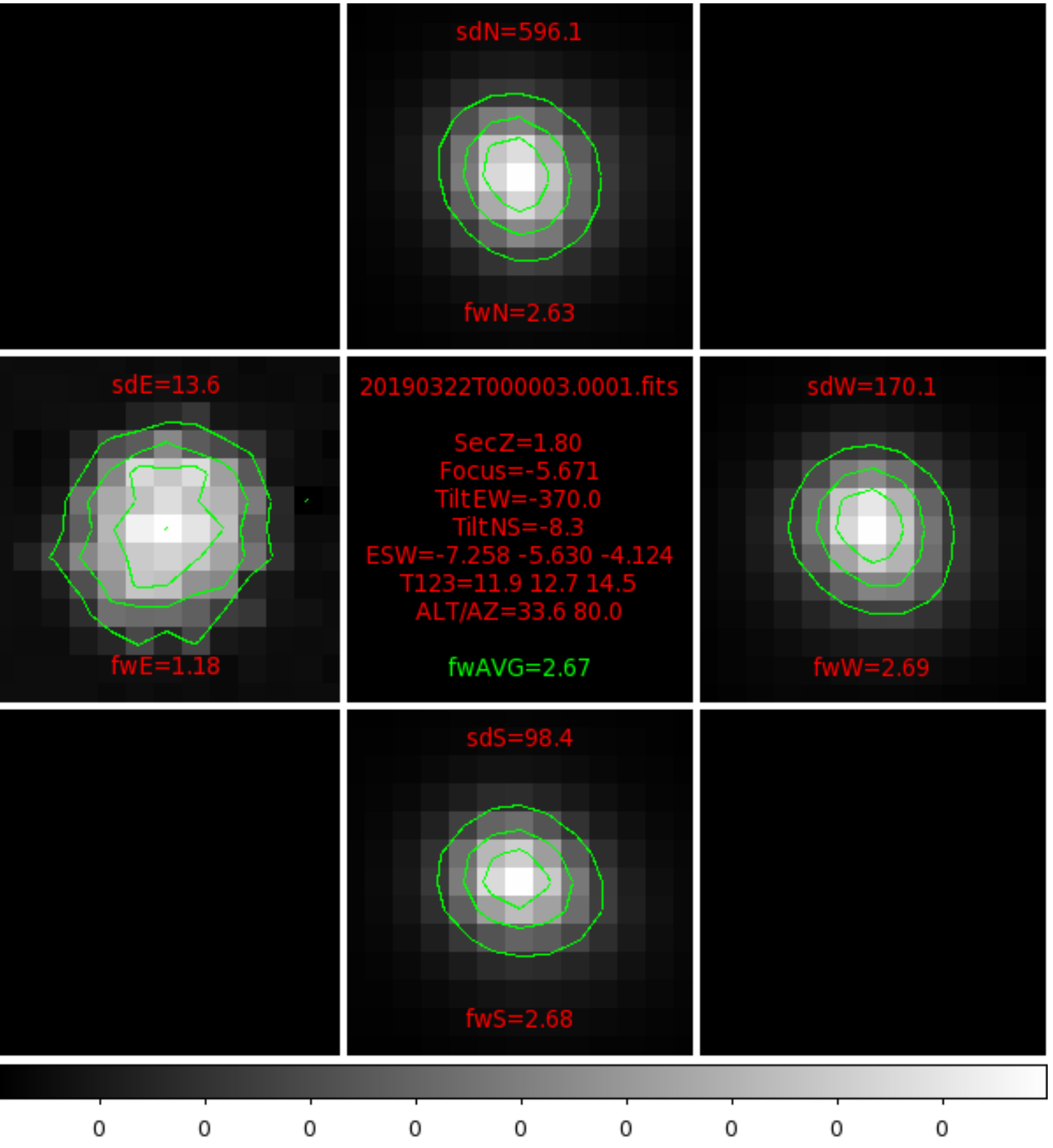
sdN=596.1
fwN=2.63
sdE=13.6
fwE=1.18
20190322T000003.0001.fits
SecZ=1.80
Focus=-5.671
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.258 -5.630 -4.124
T123=11.9 12.7 14.5
ALT/AZ=33.6 80.0
fwAVG=2.67
sdW=170.1
fwW=2.69
sdS=98.4
fwS=2.68
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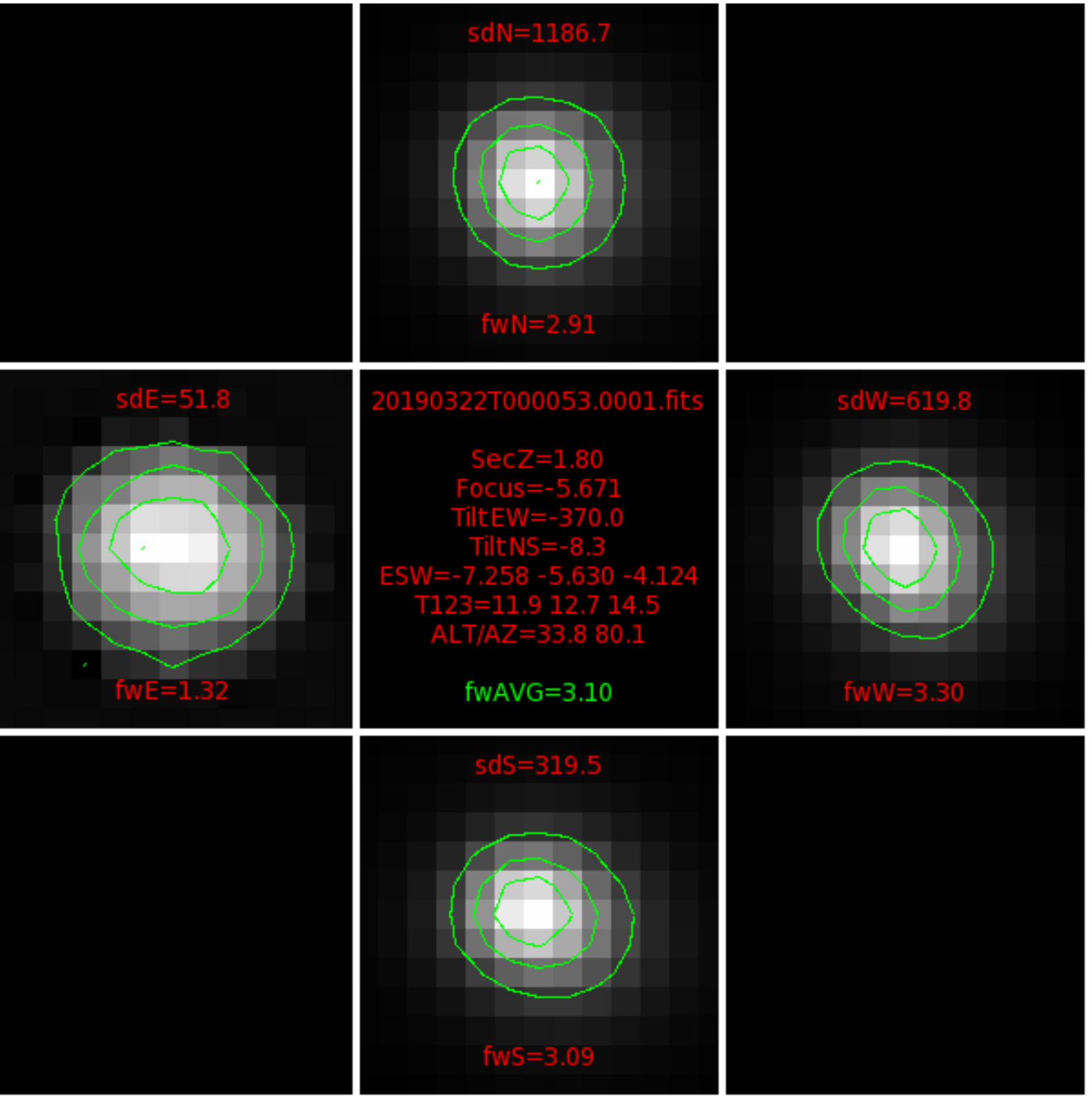
sdN=1186.7
fwN=2.91
sdE=51.8
fwE=1.32
20190322T000053.0001.fits
SecZ=1.80
Focus=-5.671
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.258 -5.630 -4.124
T123=11.9 12.7 14.5
ALT/AZ=33.8 80.1
fwAVG=3.10
sdW=619.8
fwW=3.30
sdS=319.5
fwS=3.09
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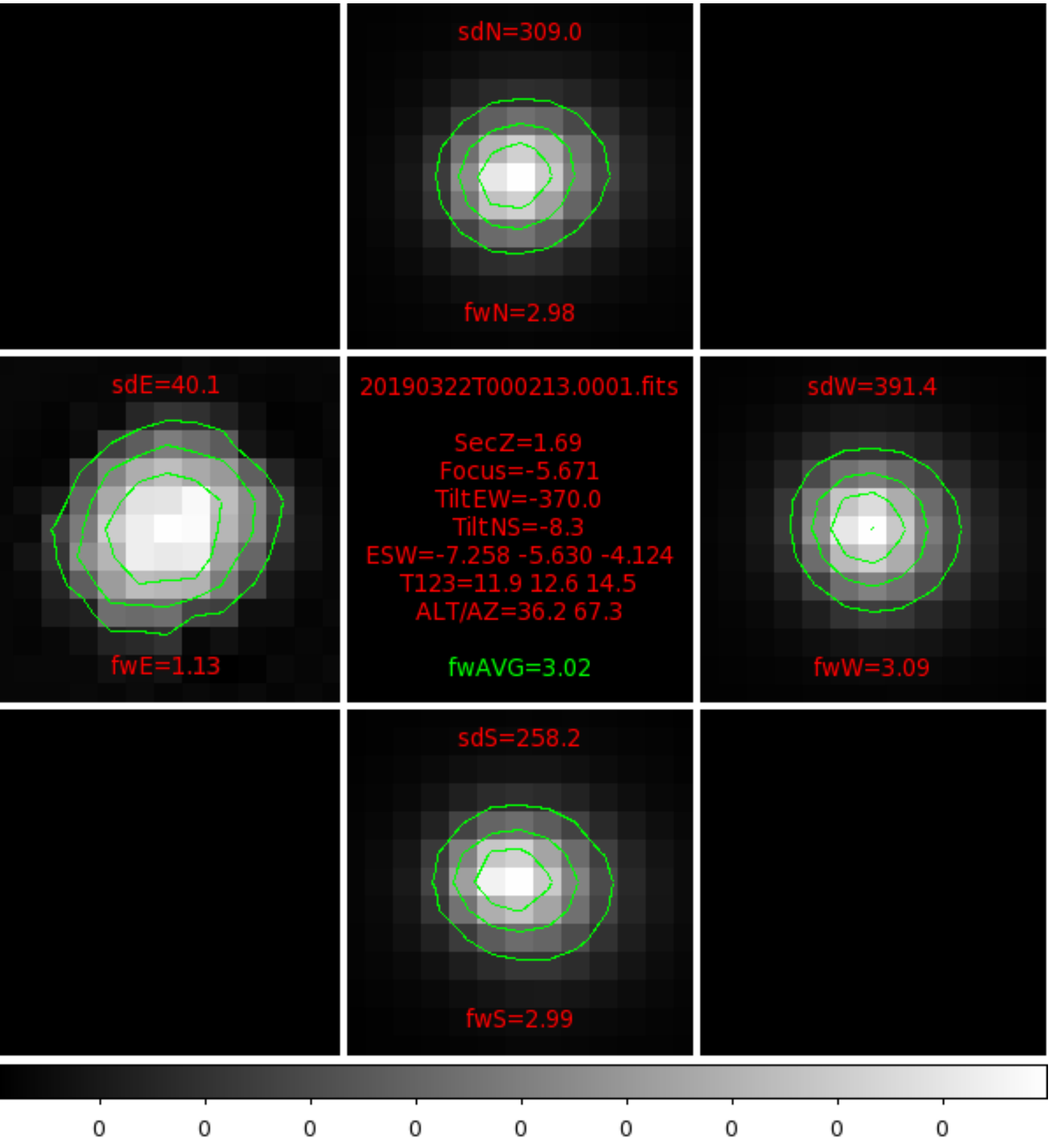
sdN=309.0
fwN=2.98
sdE=40.1
fwE=1.13
20190322T000213.0001.fits
SecZ=1.69
Focus=-5.671
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.258 -5.630 -4.124
T123=11.9 12.6 14.5
ALT/AZ=36.2 67.3
fwAVG=3.02
sdW=391.4
fwW=3.09
sdS=258.2
fwS=2.99
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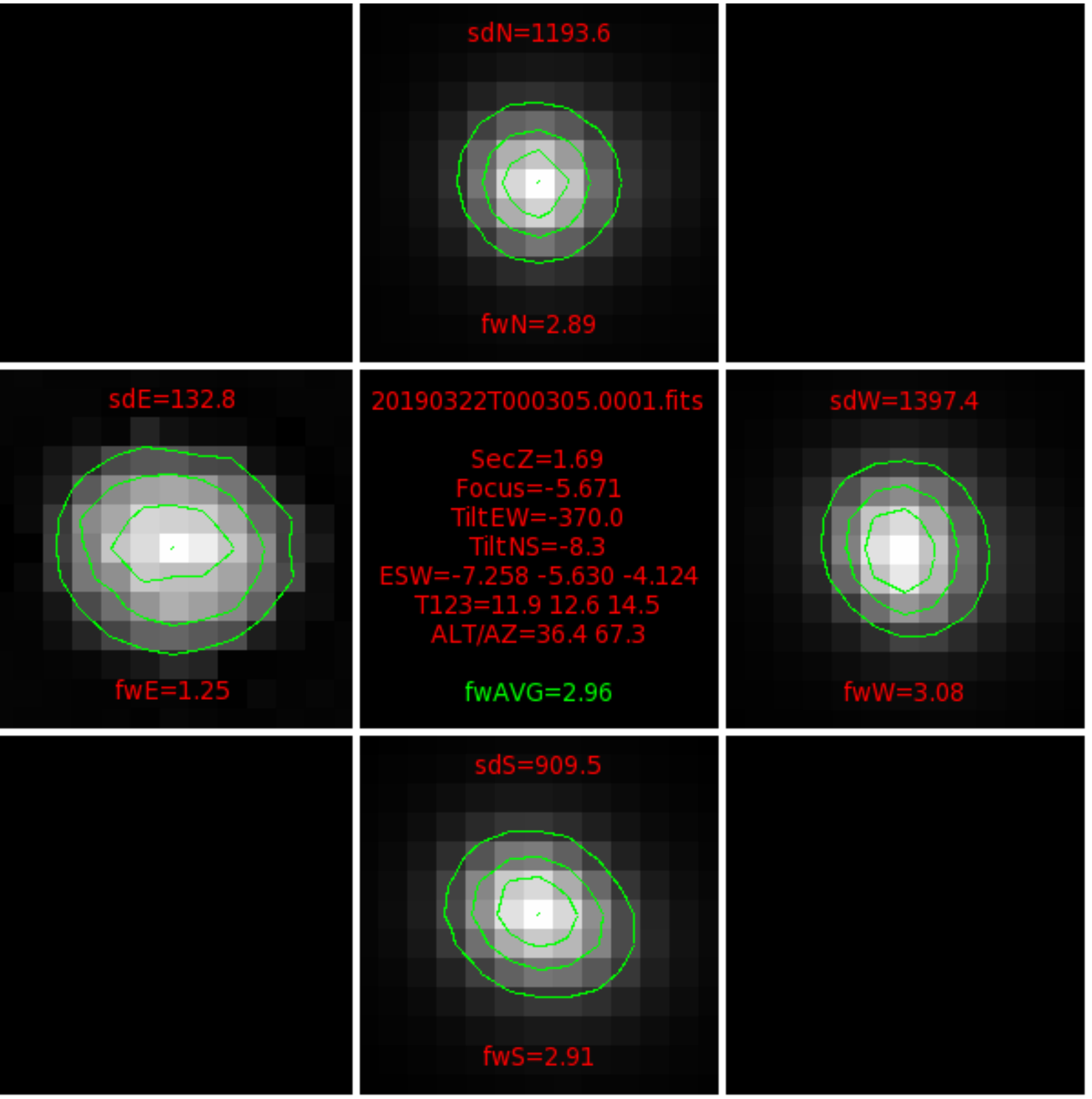
sdN=1193.6
fwN=2.89
sdE=132.8
fwE=1.25
20190322T000305.0001.fits
SecZ=1.69
Focus=-5.671
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.258 -5.630 -4.124
T123=11.9 12.6 14.5
ALT/AZ=36.4 67.3
fwAVG=2.96
sdW=1397.4
fwW=3.08
sdS=909.5
fwS=2.91
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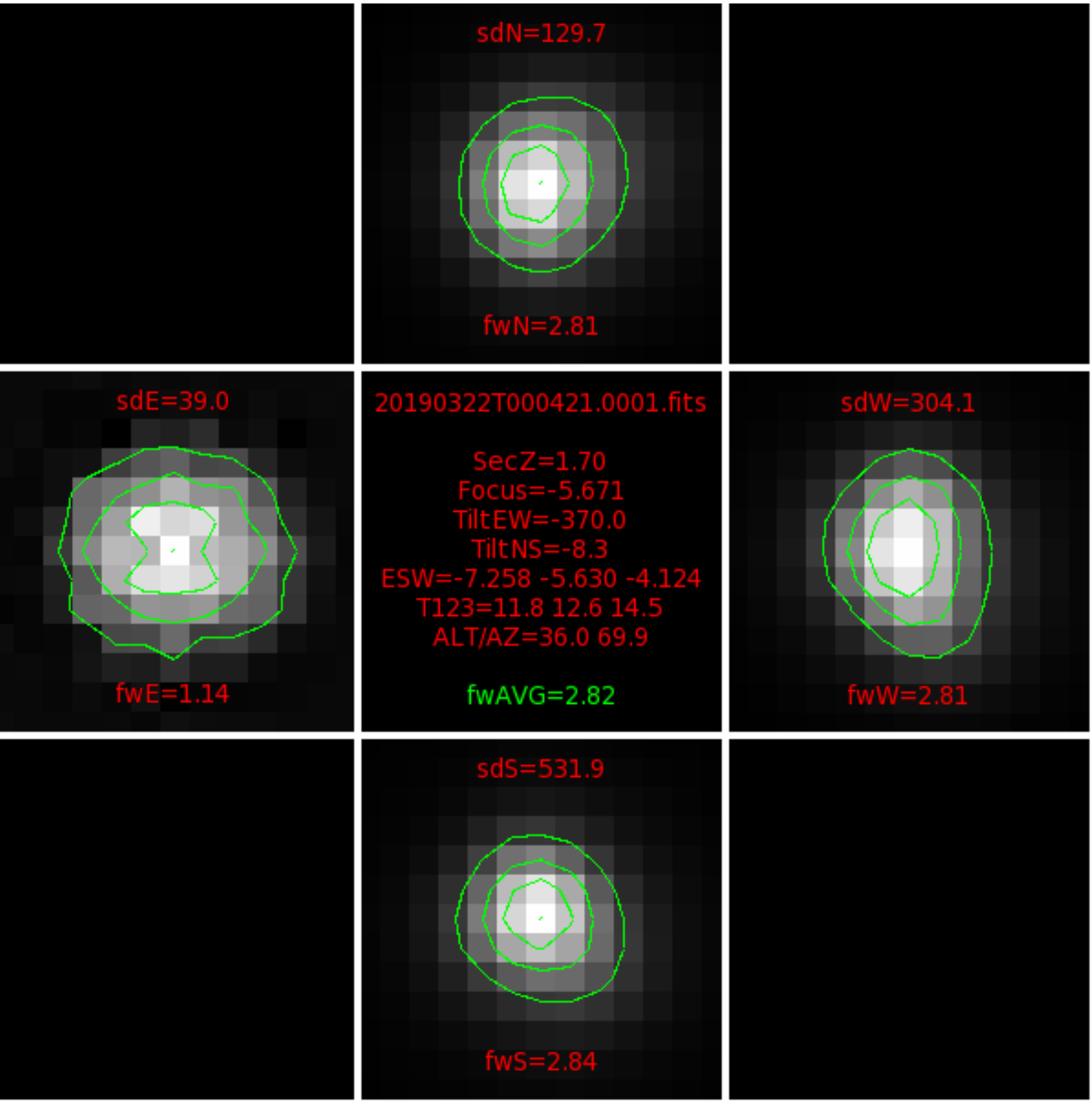
sdN=129.7
fwN=2.81
sdE=39.0
fwE=1.14
20190322T000421.0001.fits
SecZ=1.70
Focus=-5.671
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.258 -5.630 -4.124
T123=11.8 12.6 14.5
ALT/AZ=36.0 69.9
fwAVG=2.82
sdW=304.1
fwW=2.81
sdS=531.9
fwS=2.84
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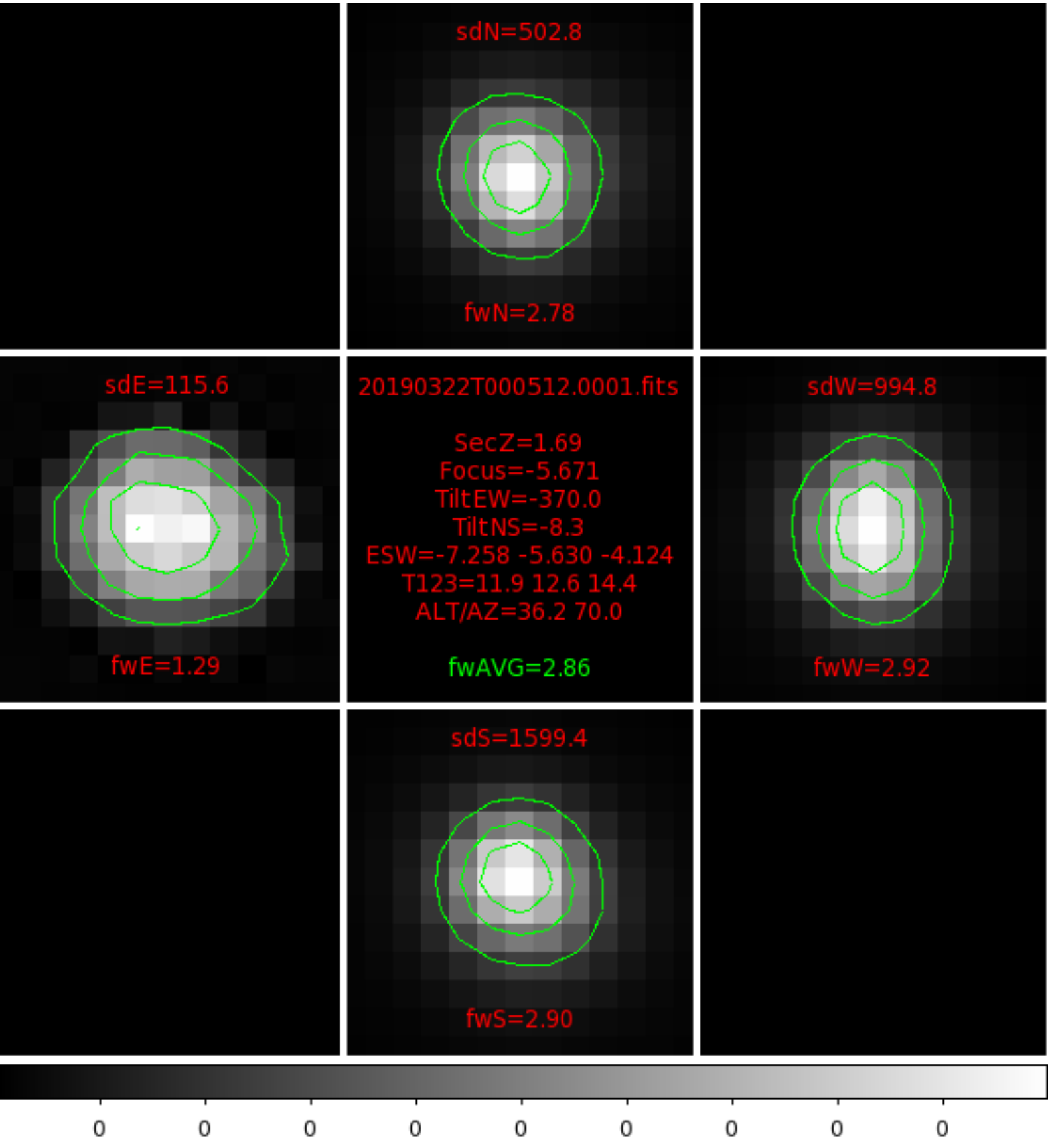
sdN=502.8
fwN=2.78
sdE=115.6
fwE=1.29
20190322T000512.0001.fits
SecZ=1.69
Focus=-5.671
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.258 -5.630 -4.124
T123=11.9 12.6 14.4
ALT/AZ=36.2 70.0
fwAVG=2.86
sdW=994.8
fwW=2.92
sdS=1599.4
fwS=2.90
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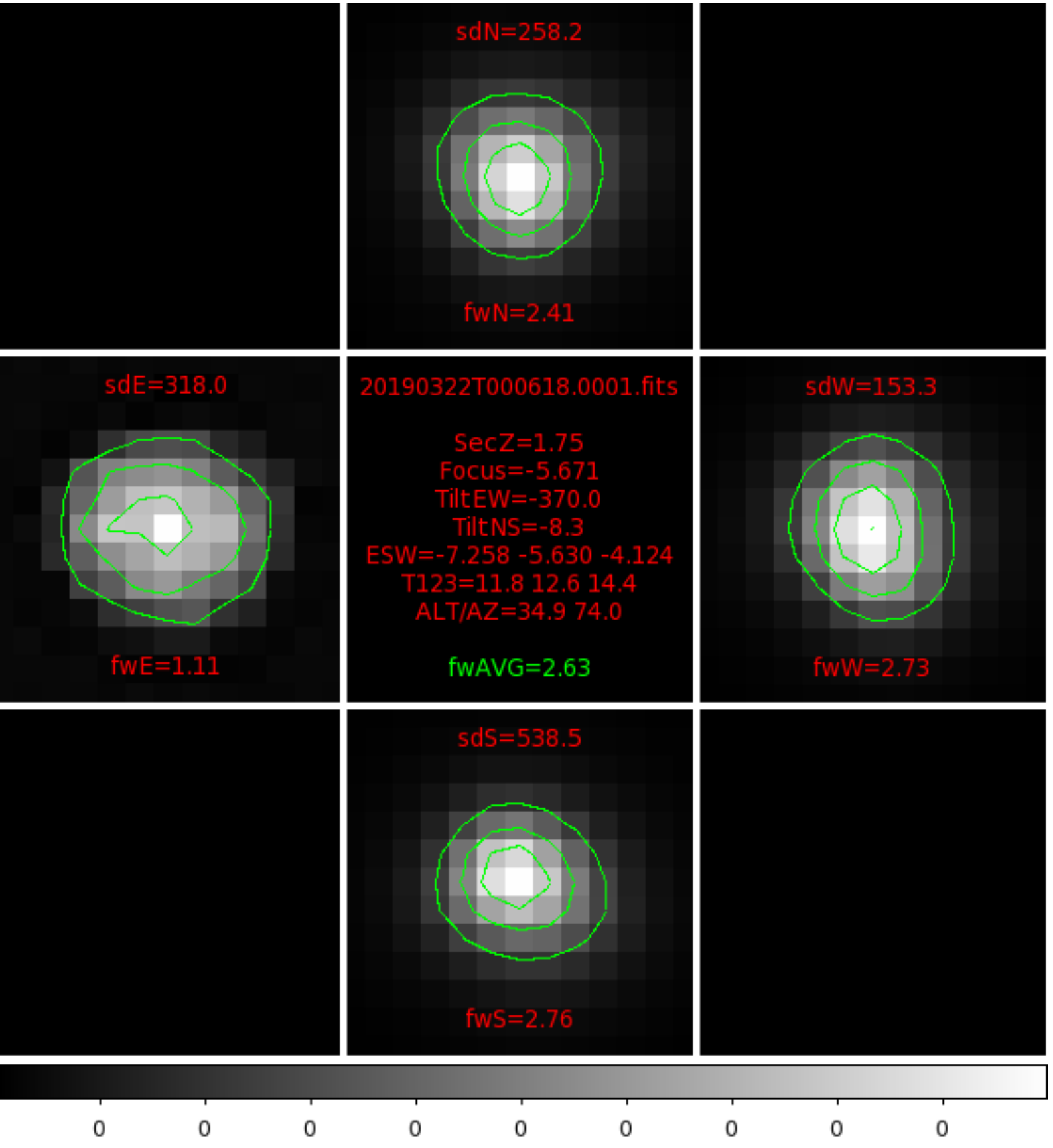
sdN=258.2
fwN=2.41
sdE=318.0
fwE=1.11
20190322T000618.0001.fits
SecZ=1.75
Focus=-5.671
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.258 -5.630 -4.124
T123=11.8 12.6 14.4
ALT/AZ=34.9 74.0
fwAVG=2.63
sdW=153.3
fwW=2.73
sdS=538.5
fwS=2.76
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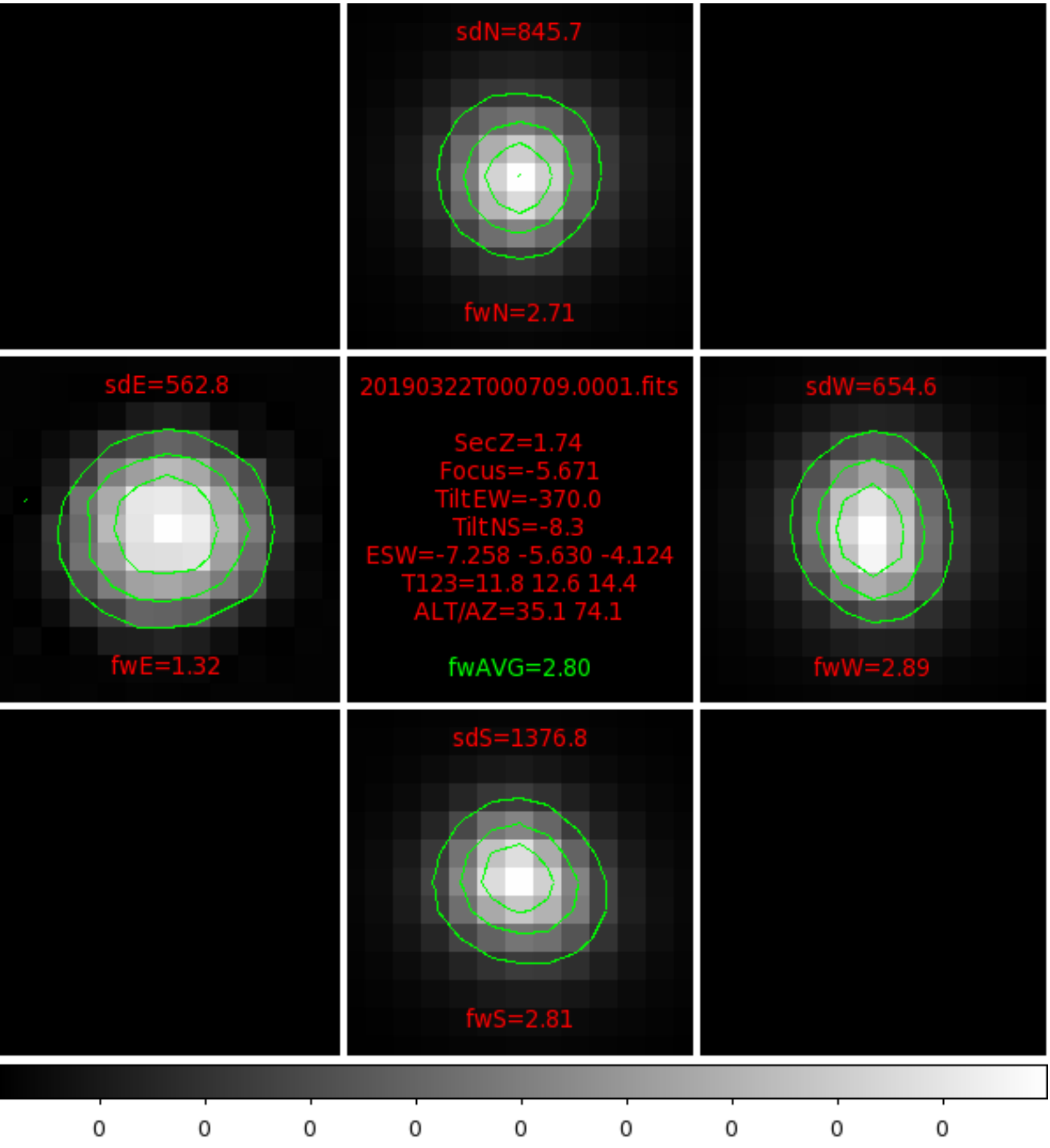
sdN=845.7
fwN=2.71
sdE=562.8
fwE=1.32
20190322T000709.0001.fits
SecZ=1.74
Focus=-5.671
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.258 -5.630 -4.124
T123=11.8 12.6 14.4
ALT/AZ=35.1 74.1
fwAVG=2.80
sdW=654.6
fwW=2.89
sdS=1376.8
fwS=2.81
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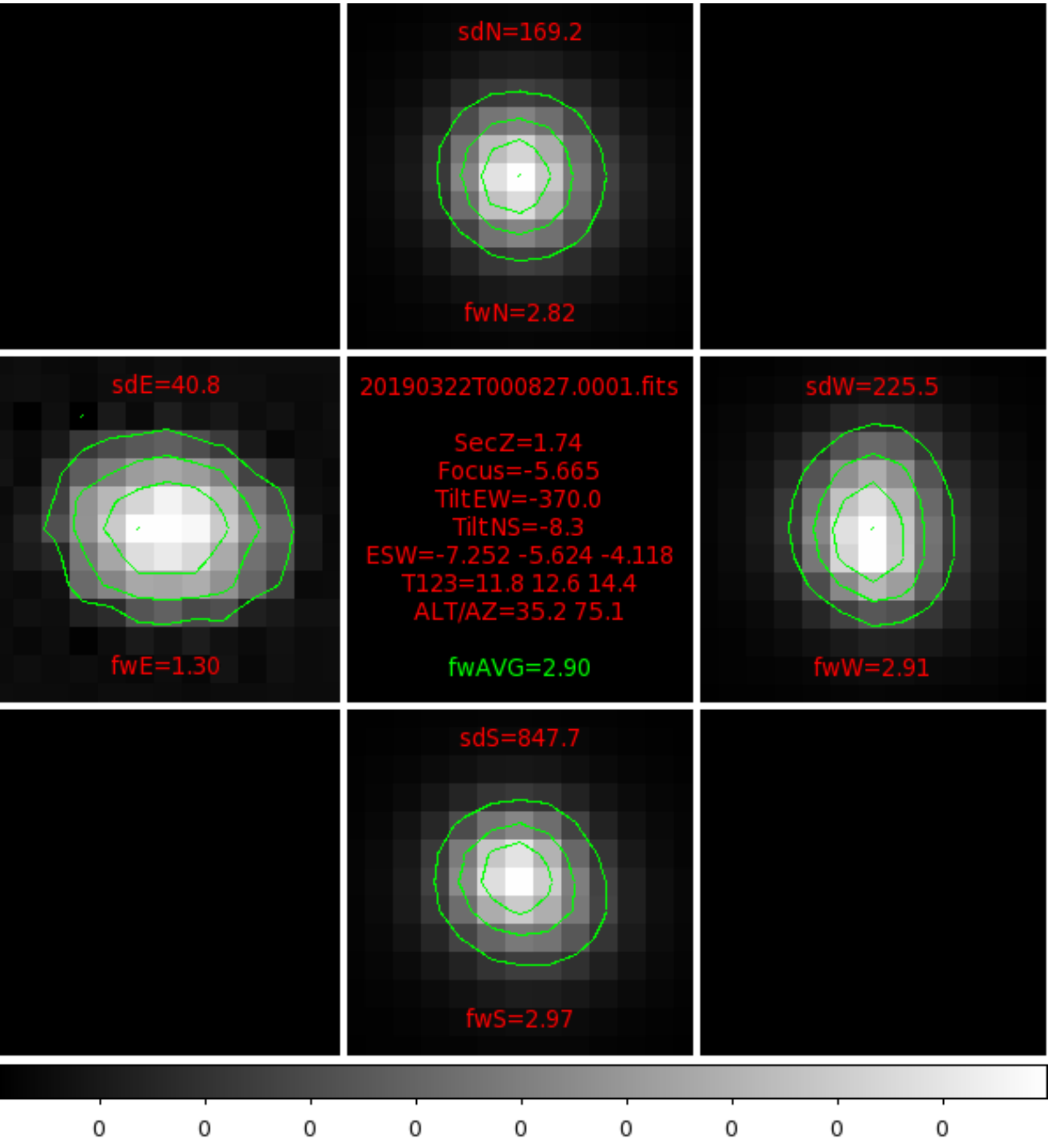
sdN=169.2
fwN=2.82
sdE=40.8
fwE=1.30
20190322T000827.0001.fits
SecZ=1.74
Focus=-5.665
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.252 -5.624 -4.118
T123=11.8 12.6 14.4
ALT/AZ=35.2 75.1
fwAVG=2.90
sdW=225.5
fwW=2.91
sdS=847.7
fwS=2.97
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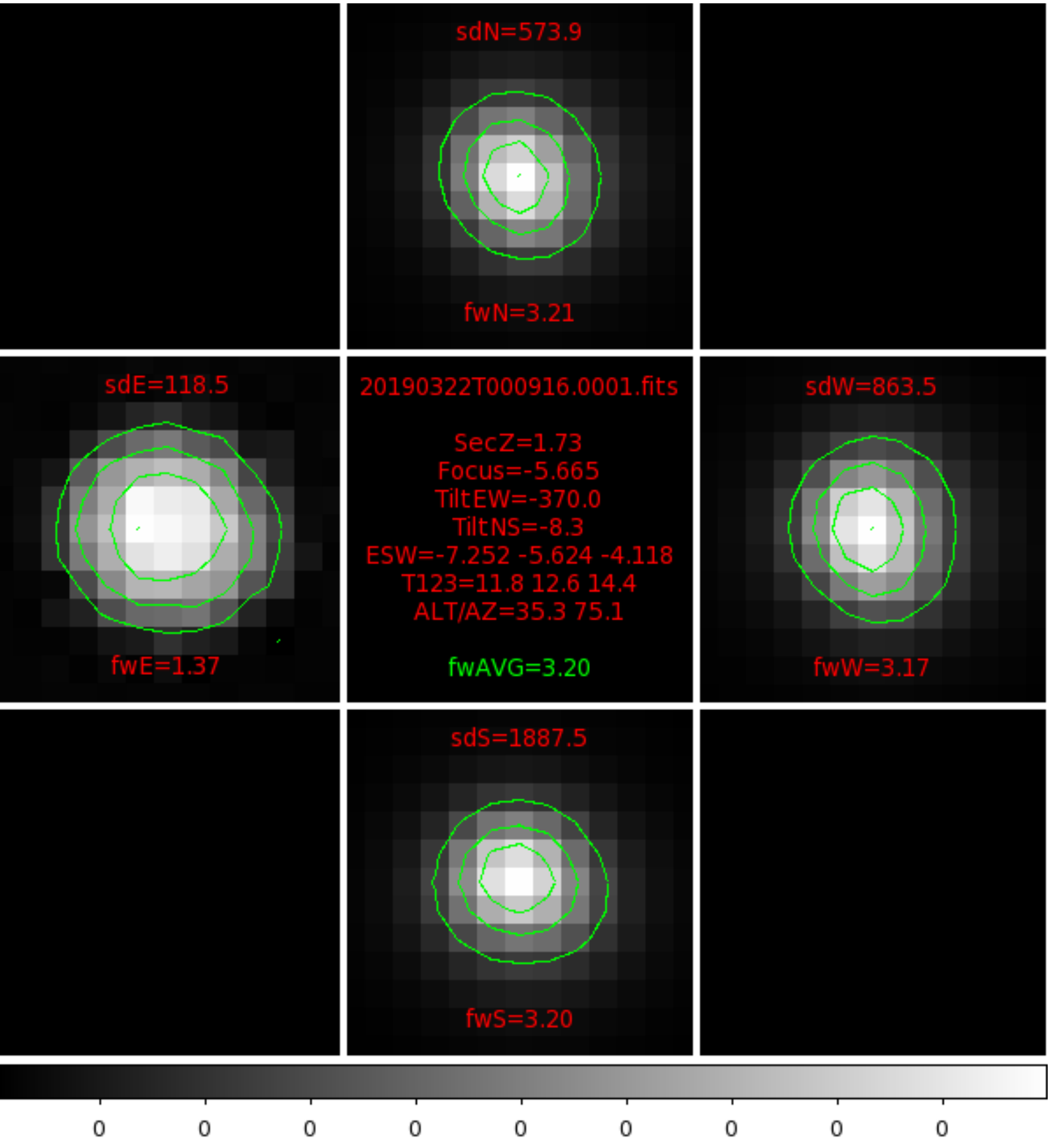
sdN=573.9
fwN=3.21
sdE=118.5
fwE=1.37
20190322T000916.0001.fits
SecZ=1.73
Focus=-5.665
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.252 -5.624 -4.118
T123=11.8 12.6 14.4
ALT/AZ=35.3 75.1
fwAVG=3.20
sdW=863.5
fwW=3.17
sdS=1887.5
fwS=3.20
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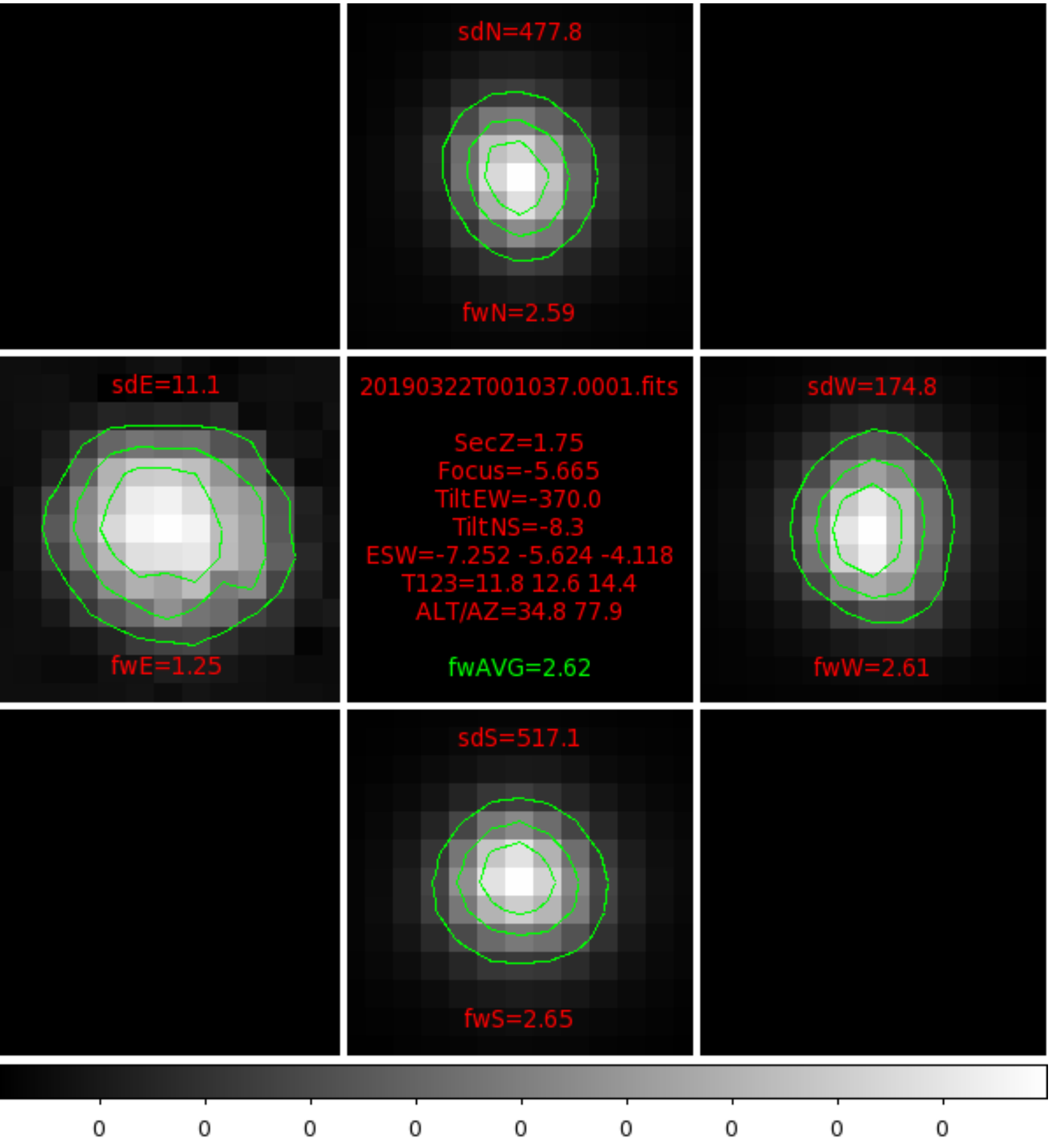
sdN=477.8
fwN=2.59
sdE=11.1
fwE=1.25
20190322T001037.0001.fits
SecZ=1.75
Focus=-5.665
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.252 -5.624 -4.118
T123=11.8 12.6 14.4
ALT/AZ=34.8 77.9
fwAVG=2.62
sdW=174.8
fwW=2.61
sdS=517.1
fwS=2.65
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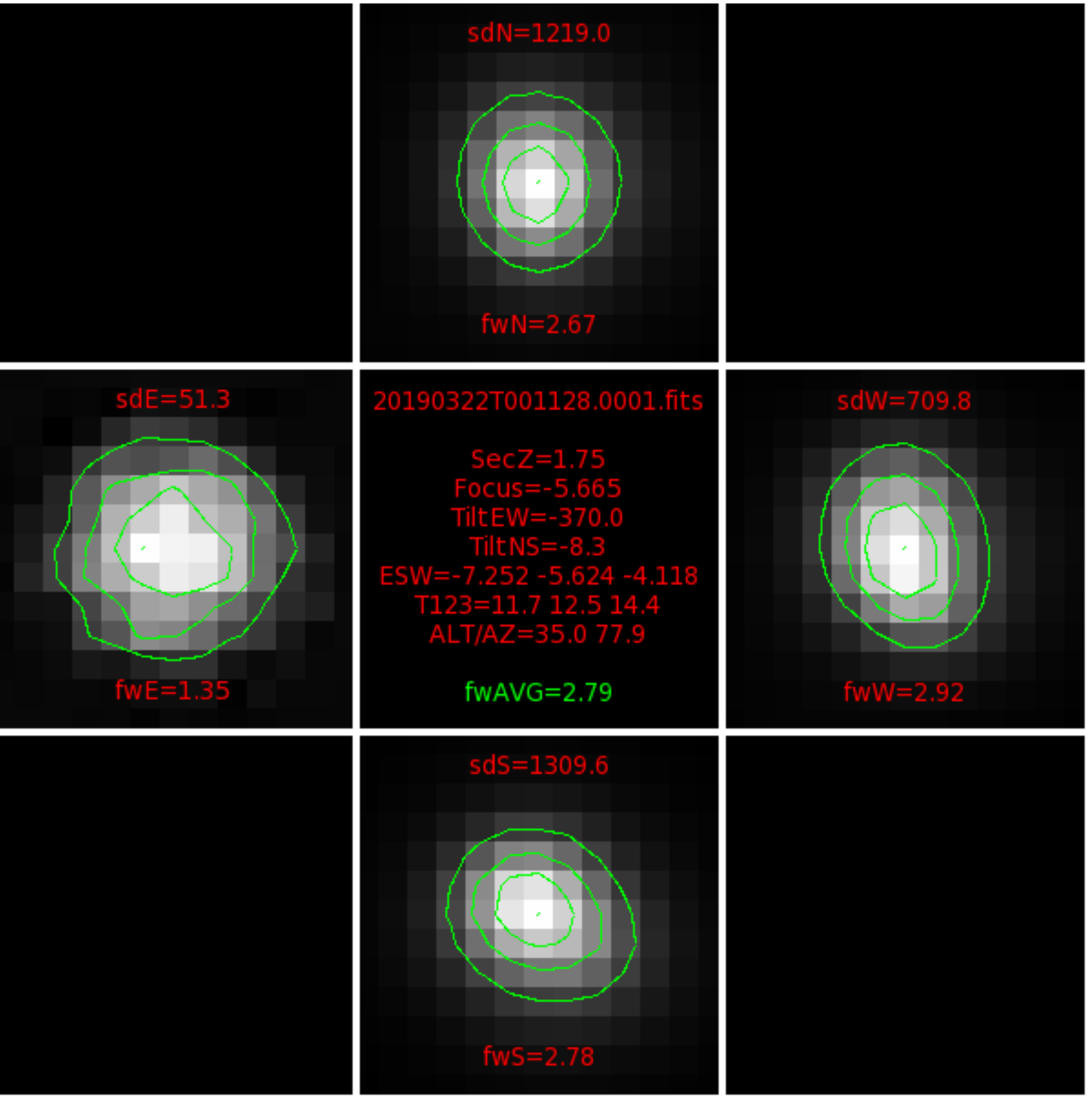
sdN=1219.0
fwN=2.67
sdE=51.3
fwE=1.35
20190322T001128.0001.fits
SecZ=1.75
Focus=-5.665
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.252 -5.624 -4.118
T123=11.7 12.5 14.4
ALT/AZ=35.0 77.9
fwAVG=2.79
sdW=709.8
fwW=2.92
sdS=1309.6
fwS=2.78
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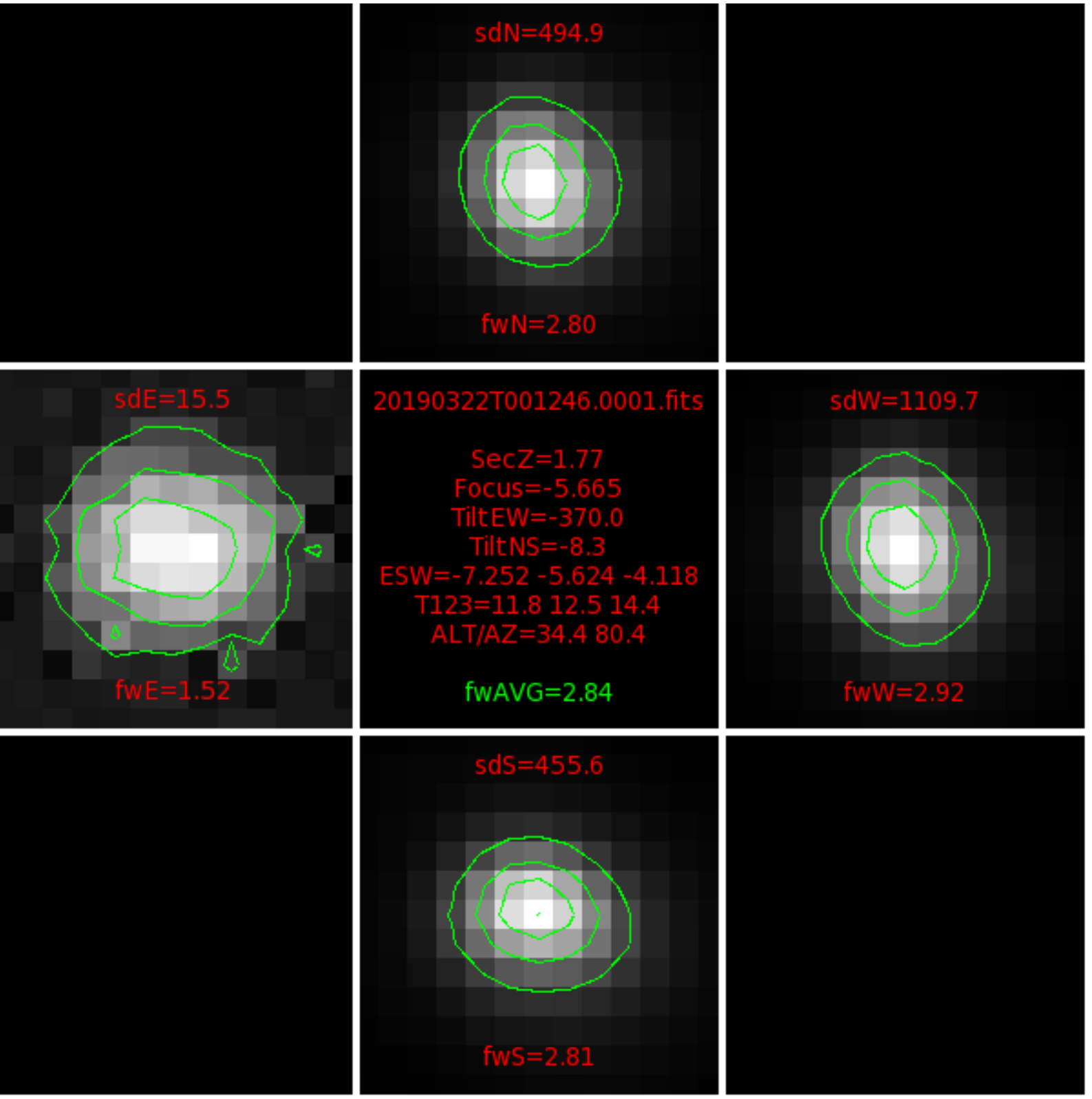
sdN=494.9
fwN=2.80
sdE=15.5
fwE=1.52
20190322T001246.0001.fits
SecZ=1.77
Focus=-5.665
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.252 -5.624 -4.118
T123=11.8 12.5 14.4
ALT/AZ=34.4 80.4
fwAVG=2.84
sdW=1109.7
fwW=2.92
sdS=455.6
fwS=2.81
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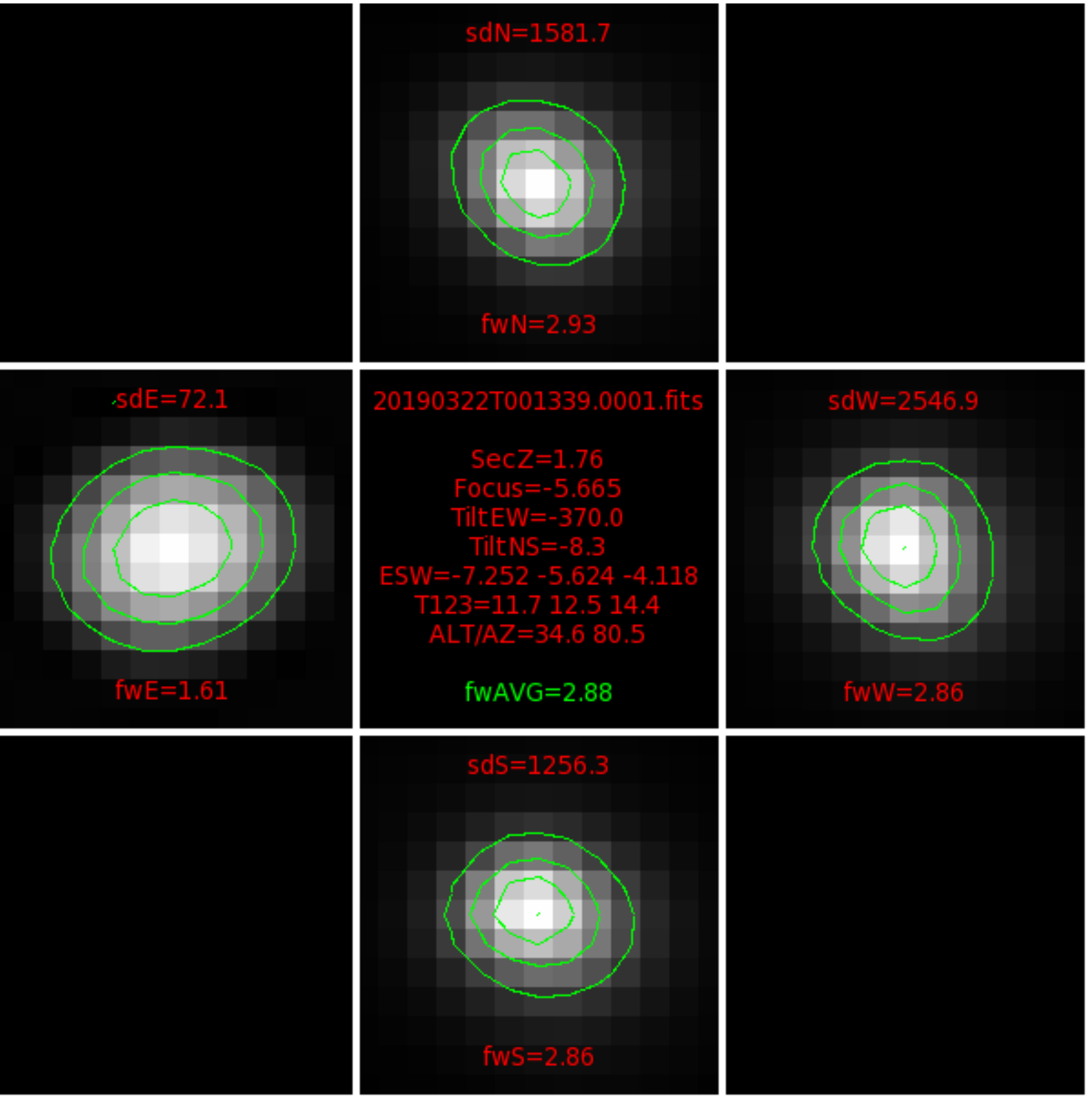
sdN=1581.7
fwN=2.93
sdE=72.1
fwE=1.61
20190322T001339.0001.fits
SecZ=1.76
Focus=-5.665
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.252 -5.624 -4.118
T123=11.7 12.5 14.4
ALT/AZ=34.6 80.5
fwAVG=2.88
sdW=2546.9
fwW=2.86
sdS=1256.3
fwS=2.86
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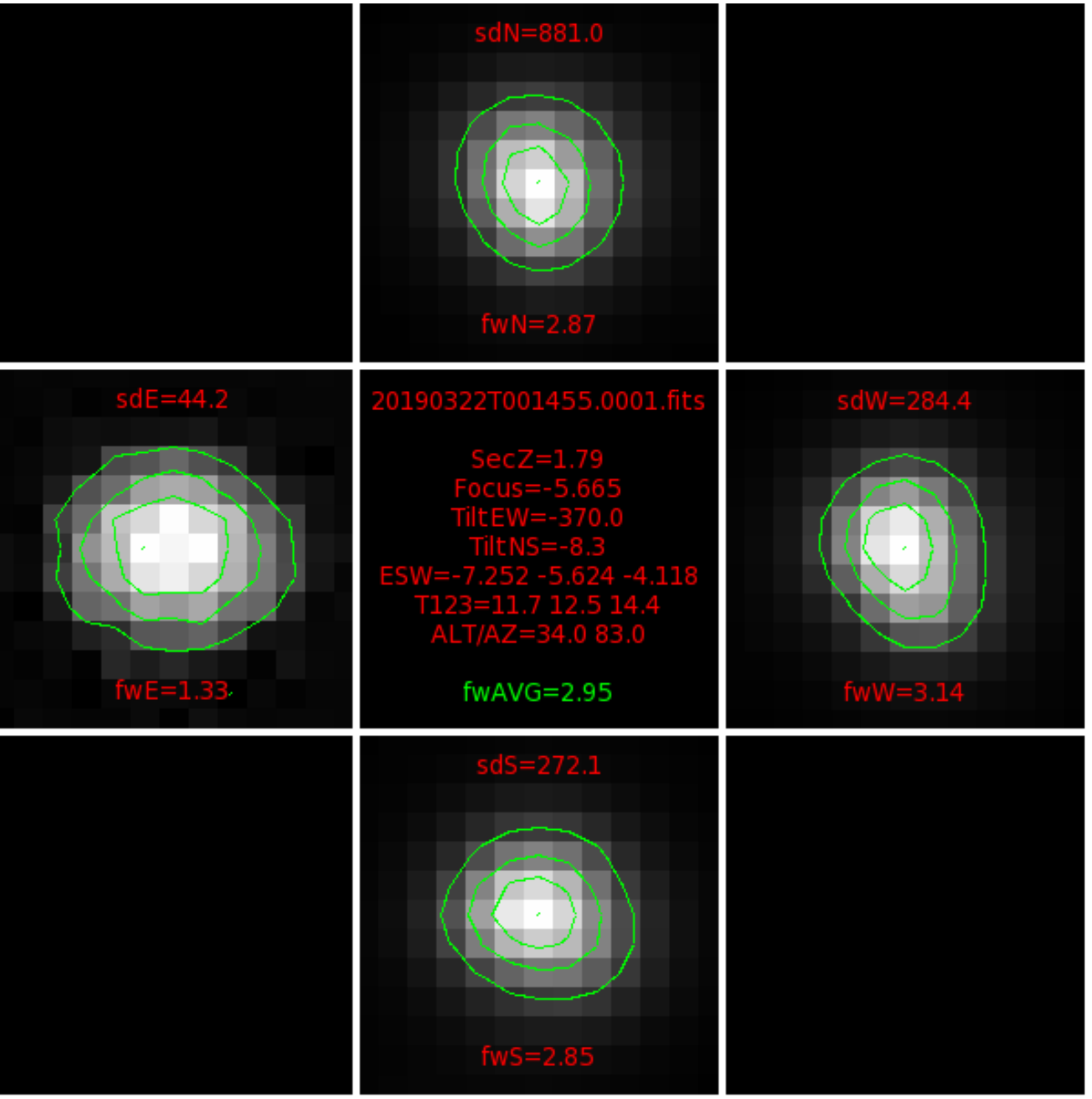
sdN=881.0
fwN=2.87
sdE=44.2
fwE=1.33
20190322T001455.0001.fits
SecZ=1.79
Focus=-5.665
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.252 -5.624 -4.118
T123=11.7 12.5 14.4
ALT/AZ=34.0 83.0
fwAVG=2.95
sdW=284.4
fwW=3.14
sdS=272.1
fwS=2.85
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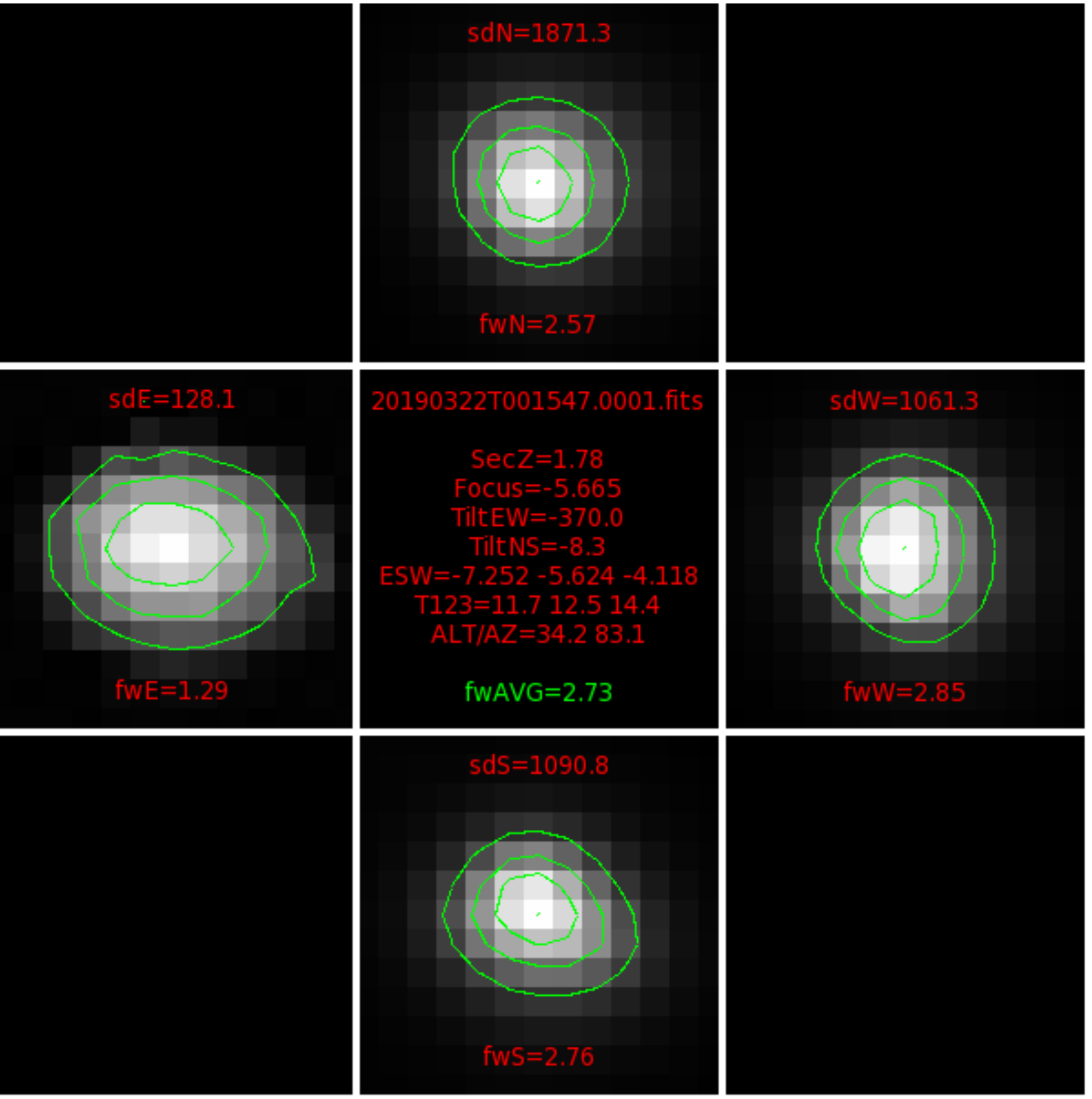
sdN=1871.3
fwN=2.57
sdE=128.1
fwE=1.29
20190322T001547.0001.fits
SecZ=1.78
Focus=-5.665
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.252 -5.624 -4.118
T123=11.7 12.5 14.4
ALT/AZ=34.2 83.1
fwAVG=2.73
sdW=1061.3
fwW=2.85
sdS=1090.8
fwS=2.76
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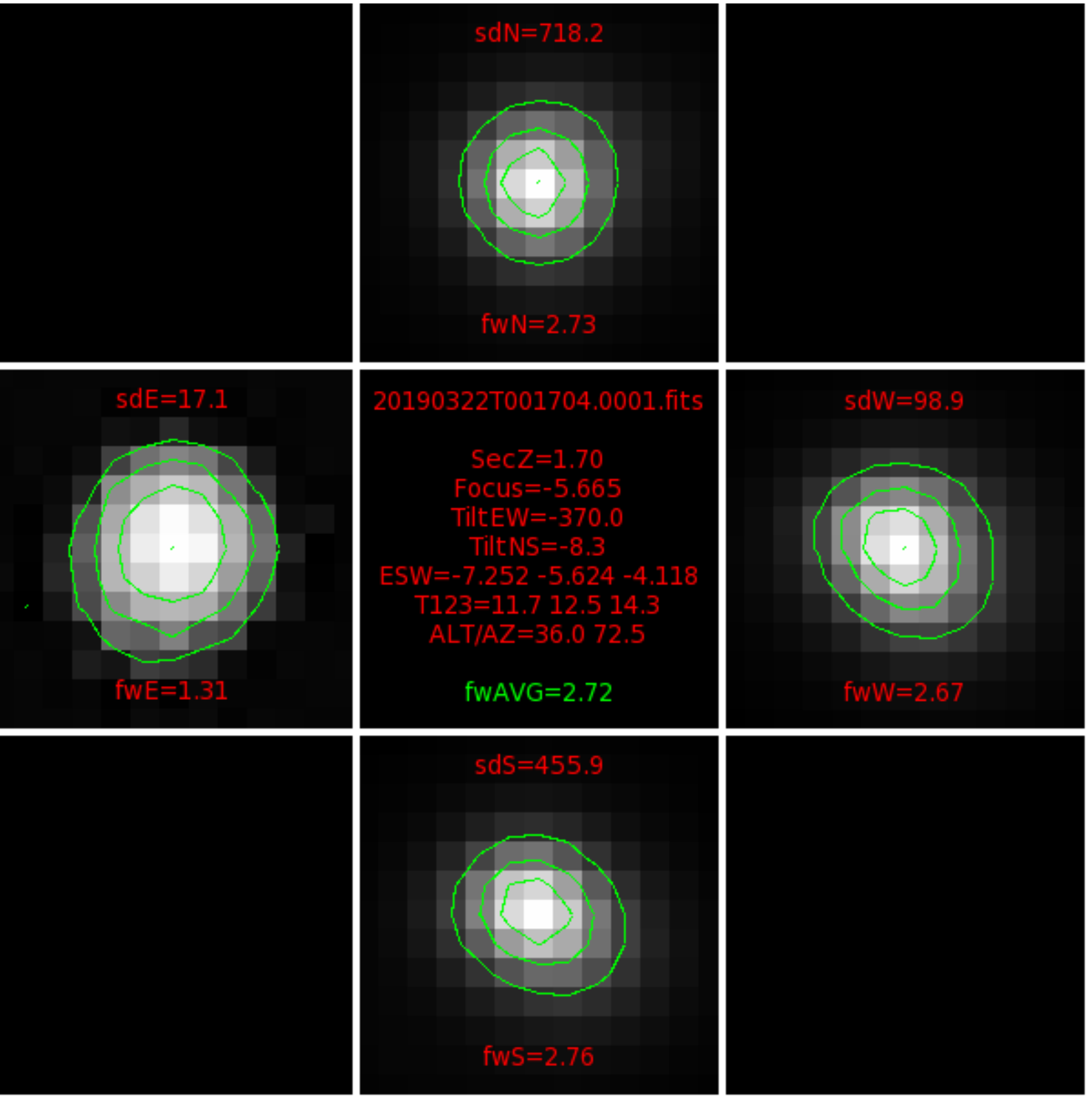
sdN=718.2
fwN=2.73
sdE=17.1
fwE=1.31
20190322T001704.0001.fits
SecZ=1.70
Focus=-5.665
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.252 -5.624 -4.118
T123=11.7 12.5 14.3
ALT/AZ=36.0 72.5
fwAVG=2.72
sdW=98.9
fwW=2.67
sdS=455.9
fwS=2.76
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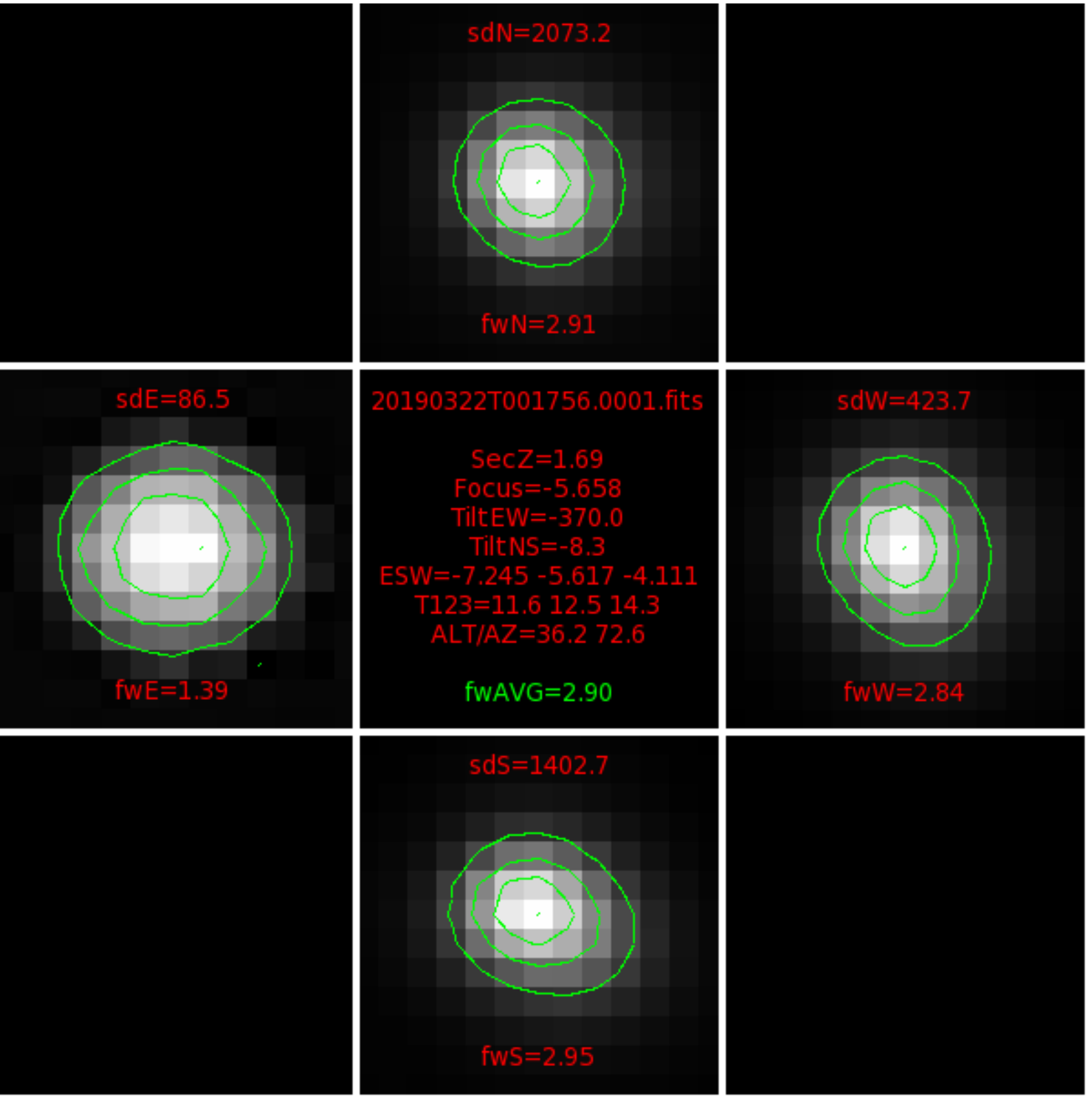
sdN=2073.2
fwN=2.91
sdE=86.5
fwE=1.39
20190322T001756.0001.fits
SecZ=1.69
Focus=-5.658
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.245 -5.617 -4.111
T123=11.6 12.5 14.3
ALT/AZ=36.2 72.6
fwAVG=2.90
sdW=423.7
fwW=2.84
sdS=1402.7
fwS=2.95
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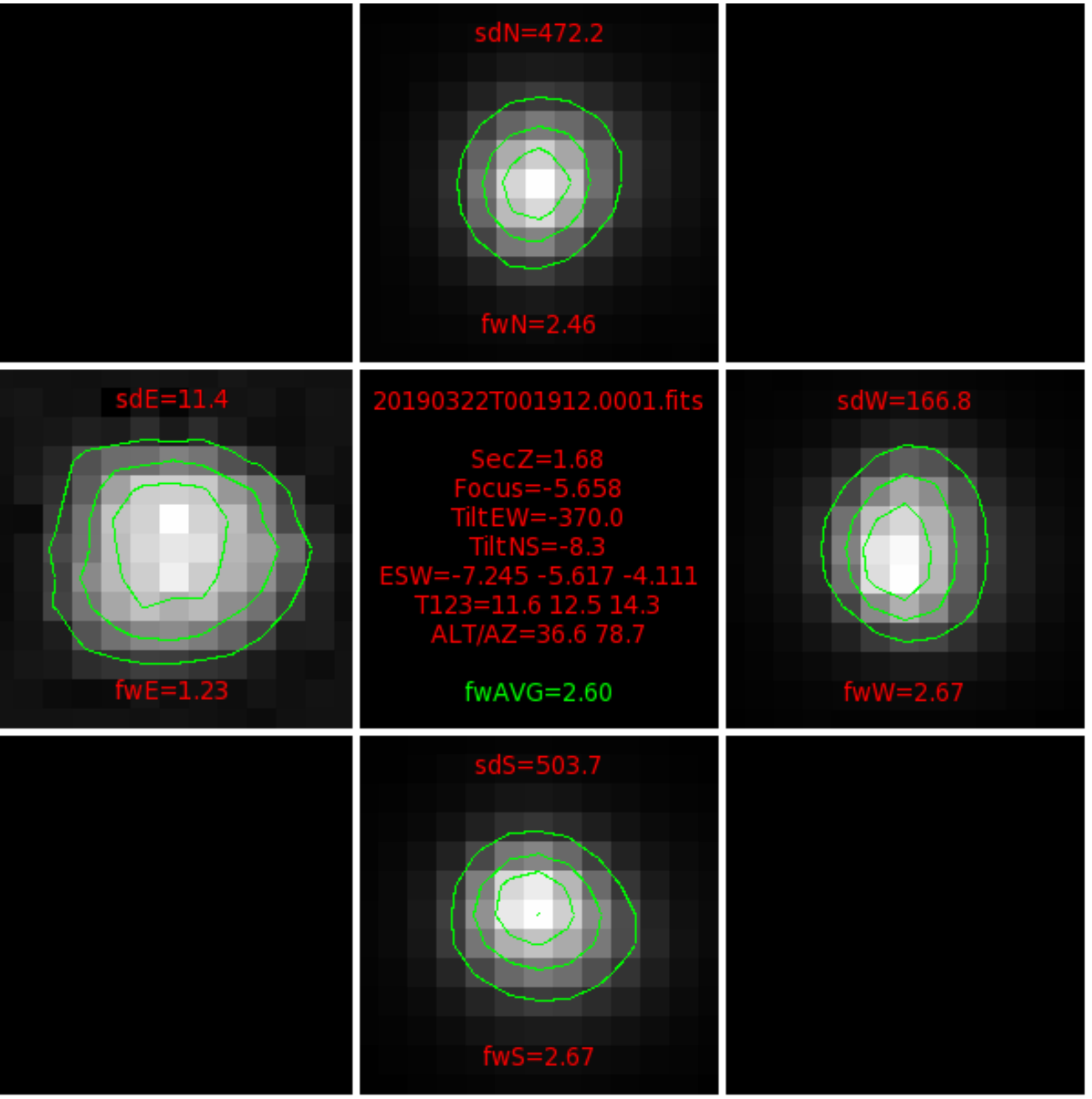
sdN=472.2
fwN=2.46
sdE=11.4
fwE=1.23
20190322T001912.0001.fits
SecZ=1.68
Focus=-5.658
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.245 -5.617 -4.111
T123=11.6 12.5 14.3
ALT/AZ=36.6 78.7
fwAVG=2.60
sdW=166.8
fwW=2.67
sdS=503.7
fwS=2.67
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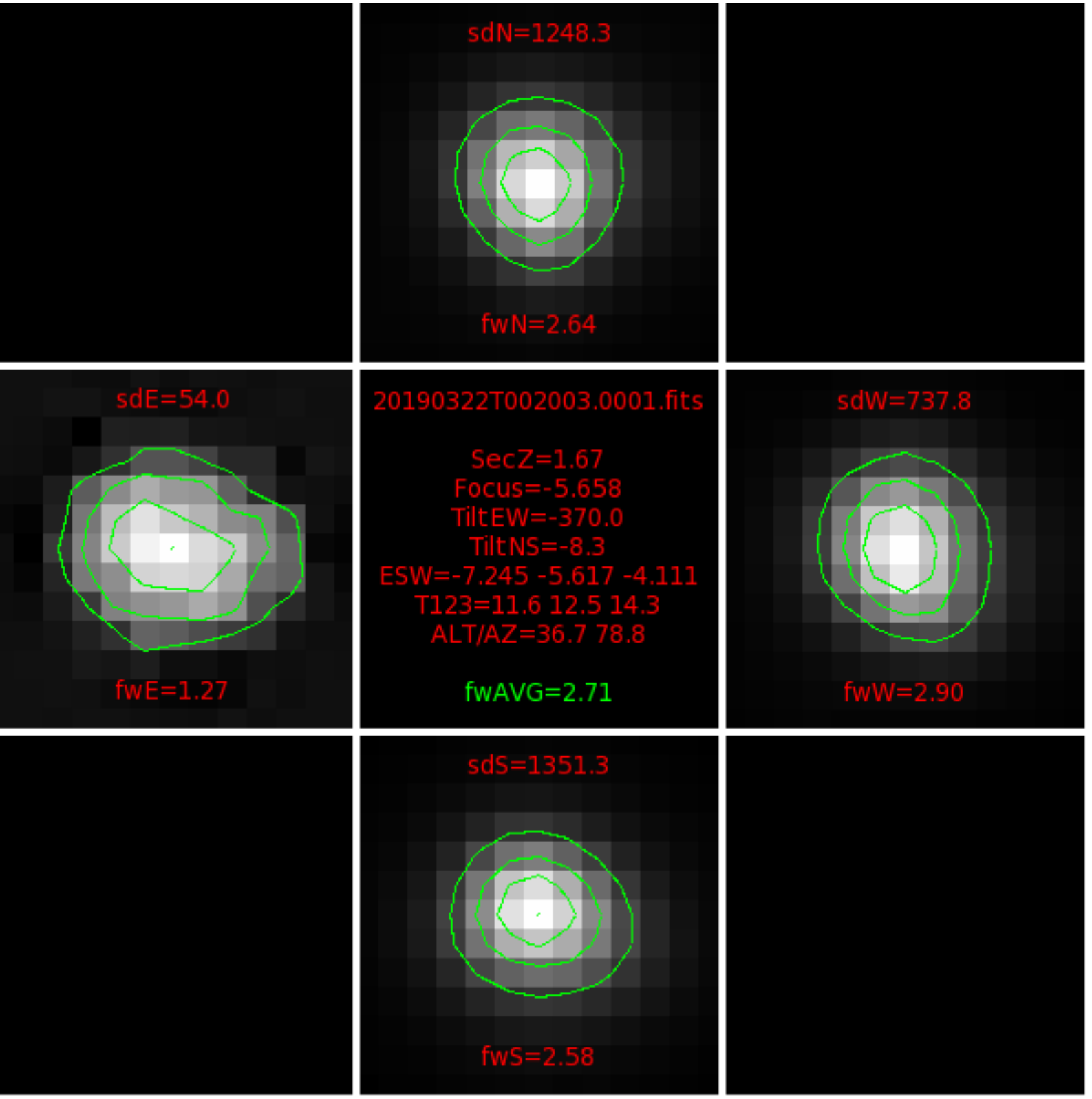
sdN=1248.3
fwN=2.64
sdE=54.0
fwE=1.27
20190322T002003.0001.fits
SecZ=1.67
Focus=-5.658
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.245 -5.617 -4.111
T123=11.6 12.5 14.3
ALT/AZ=36.7 78.8
fwAVG=2.71
sdW=737.8
fwW=2.90
sdS=1351.3
fwS=2.58
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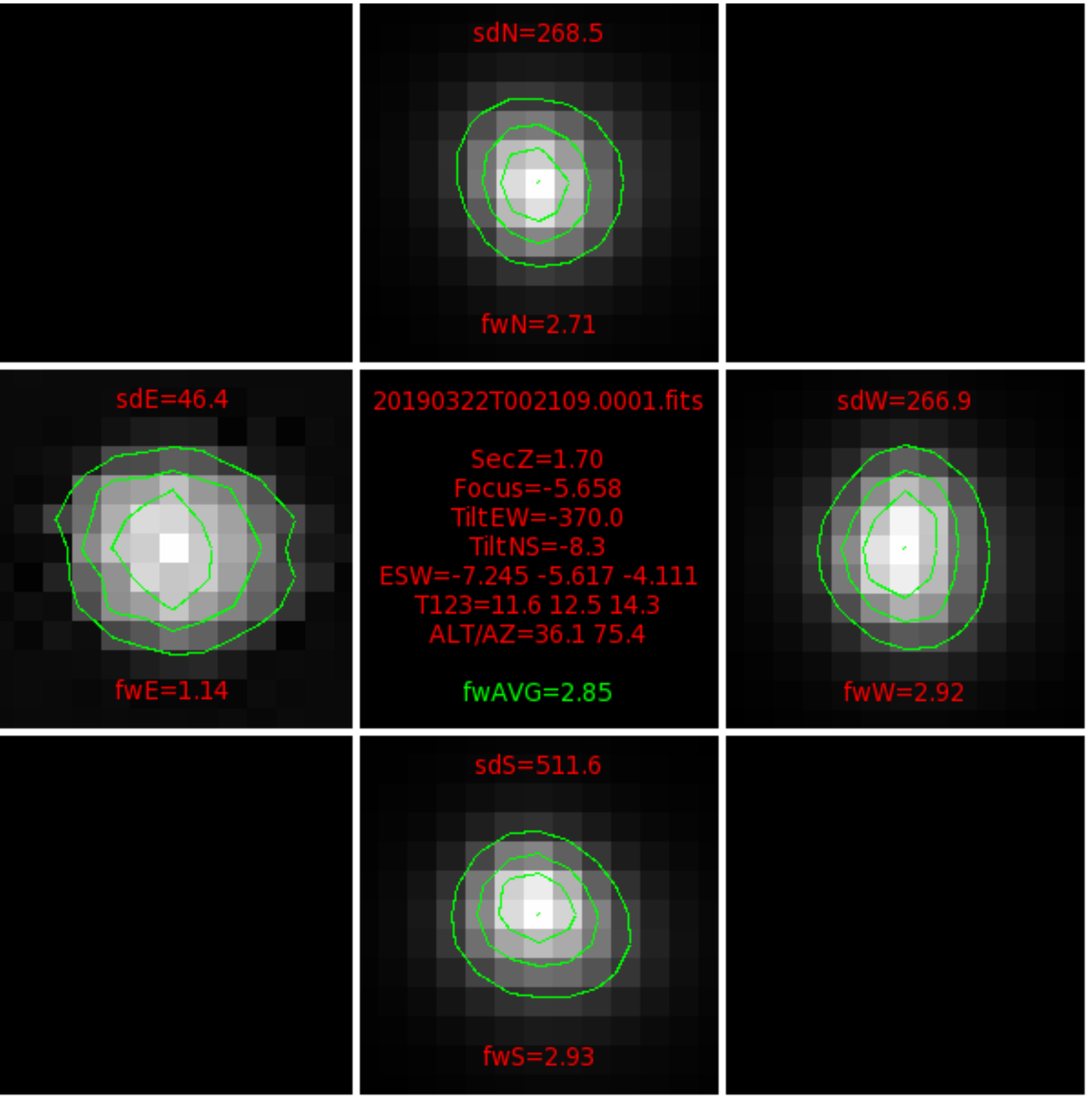
sdN=268.5
fwN=2.71
sdE=46.4
fwE=1.14
20190322T002109.0001.fits
SecZ=1.70
Focus=-5.658
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.245 -5.617 -4.111
T123=11.6 12.5 14.3
ALT/AZ=36.1 75.4
fwAVG=2.85
sdW=266.9
fwW=2.92
sdS=511.6
fwS=2.93
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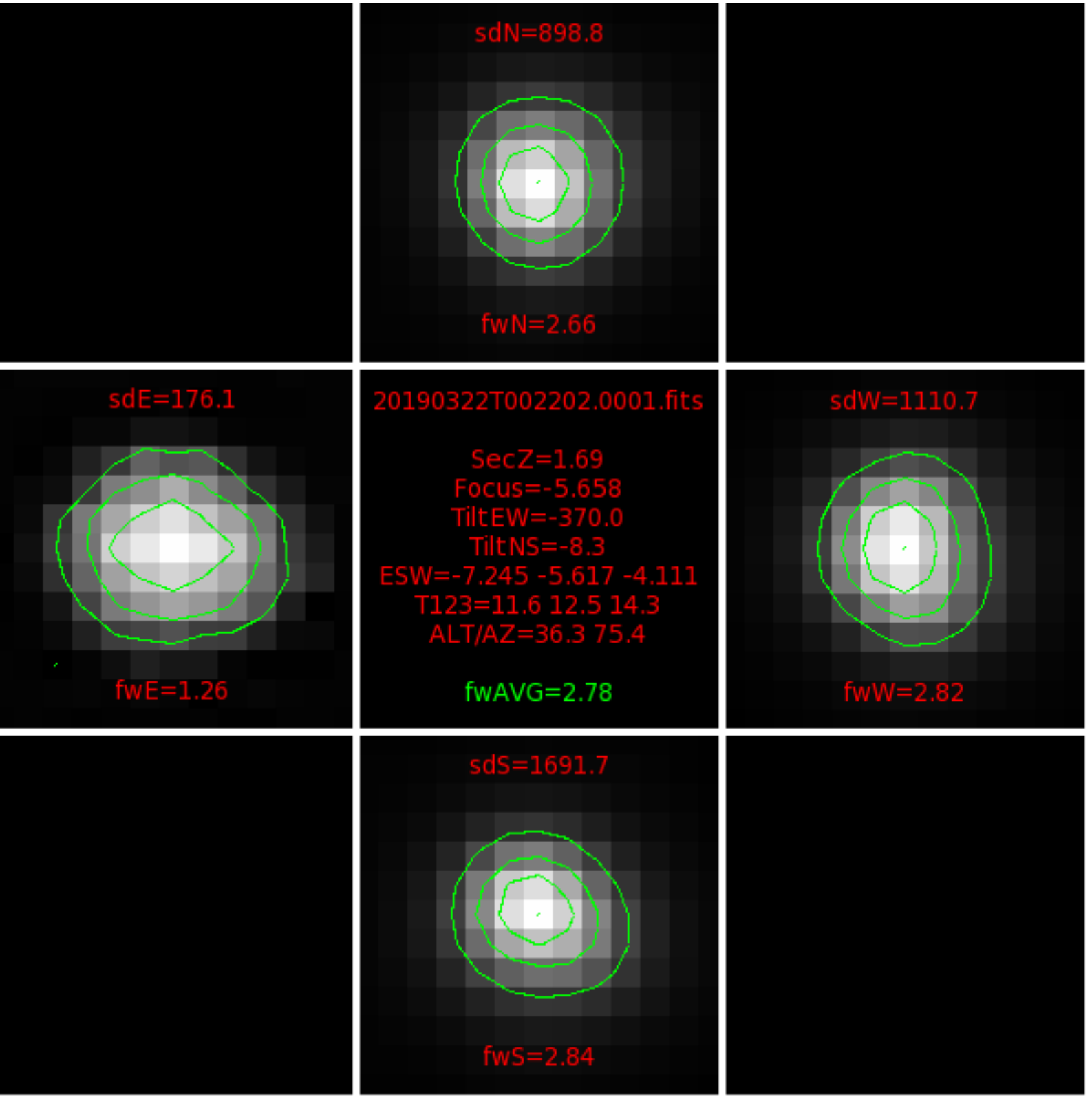
sdN=898.8
fwN=2.66
sdE=176.1
fwE=1.26
20190322T002202.0001.fits
SecZ=1.69
Focus=-5.658
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.245 -5.617 -4.111
T123=11.6 12.5 14.3
ALT/AZ=36.3 75.4
fwAVG=2.78
sdW=1110.7
fwW=2.82
sdS=1691.7
fwS=2.84
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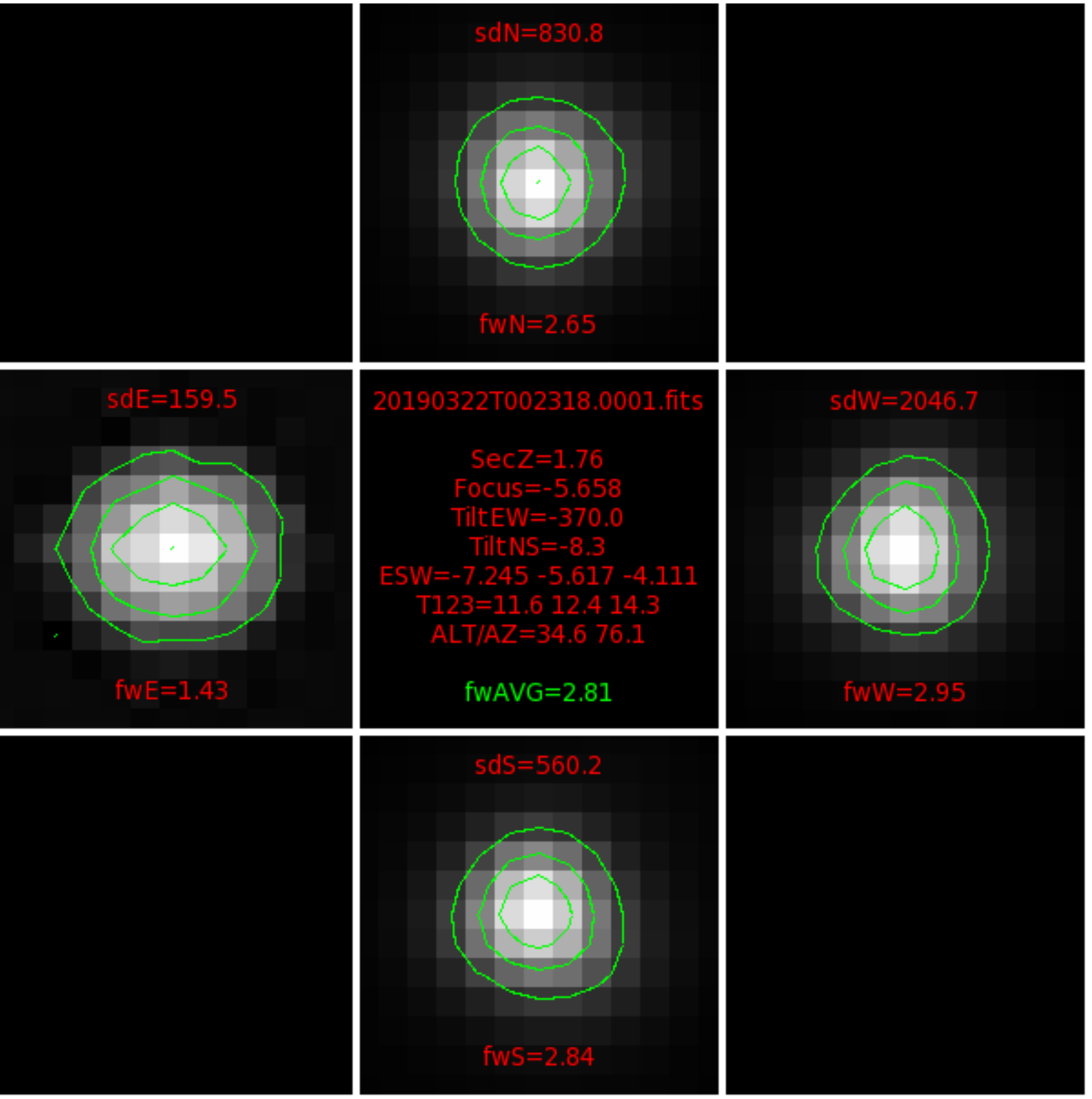
sdN=830.8
fwN=2.65
sdE=159.5
fwE=1.43
20190322T002318.0001.fits
SecZ=1.76
Focus=-5.658
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.245 -5.617 -4.111
T123=11.6 12.4 14.3
ALT/AZ=34.6 76.1
fwAVG=2.81
sdW=2046.7
fwW=2.95
sdS=560.2
fwS=2.84
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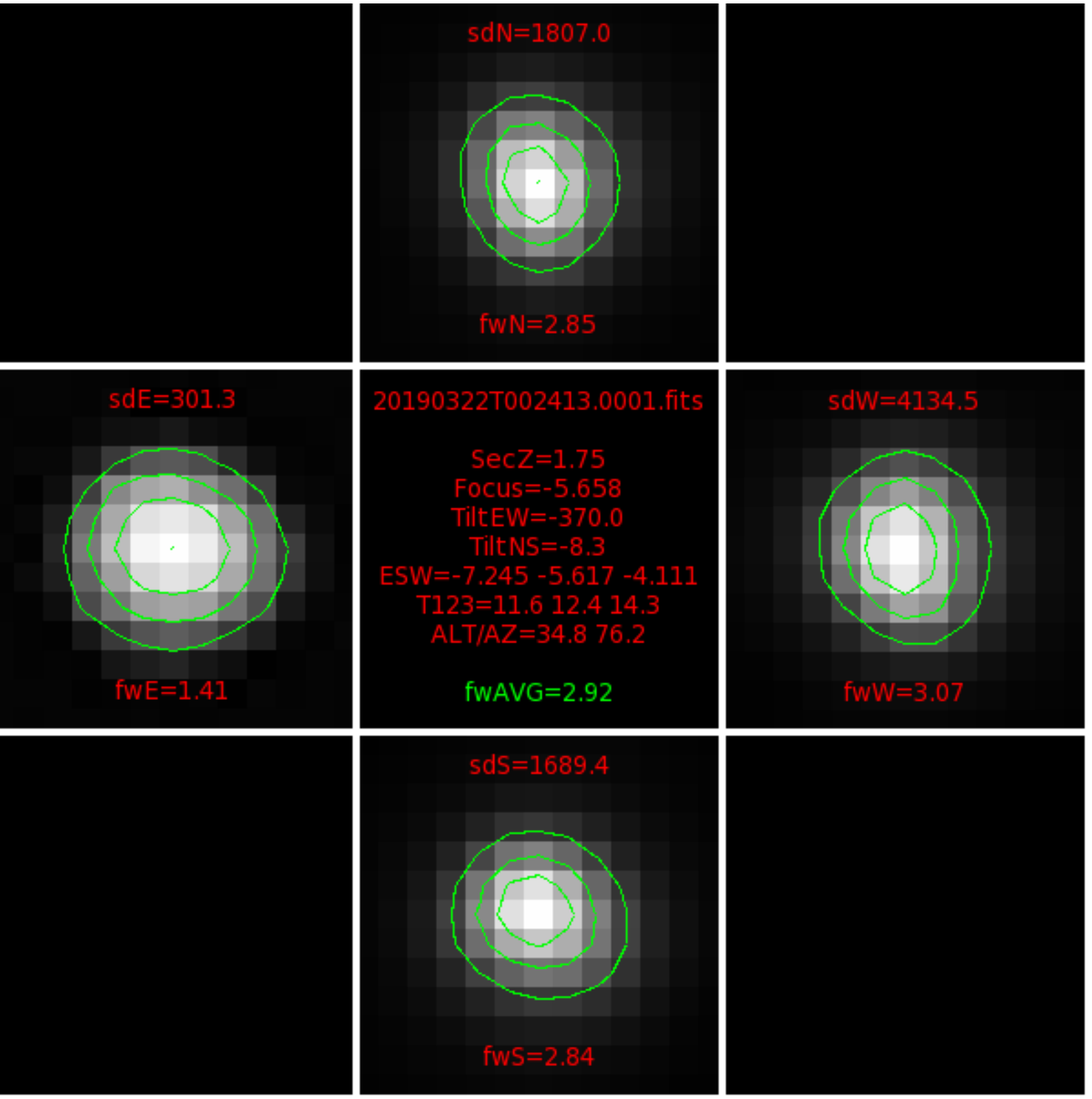
sdN=1807.0
fwN=2.85
sdE=301.3
fwE=1.41
20190322T002413.0001.fits
SecZ=1.75
Focus=-5.658
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.245 -5.617 -4.111
T123=11.6 12.4 14.3
ALT/AZ=34.8 76.2
fwAVG=2.92
sdW=4134.5
fwW=3.07
sdS=1689.4
fwS=2.84
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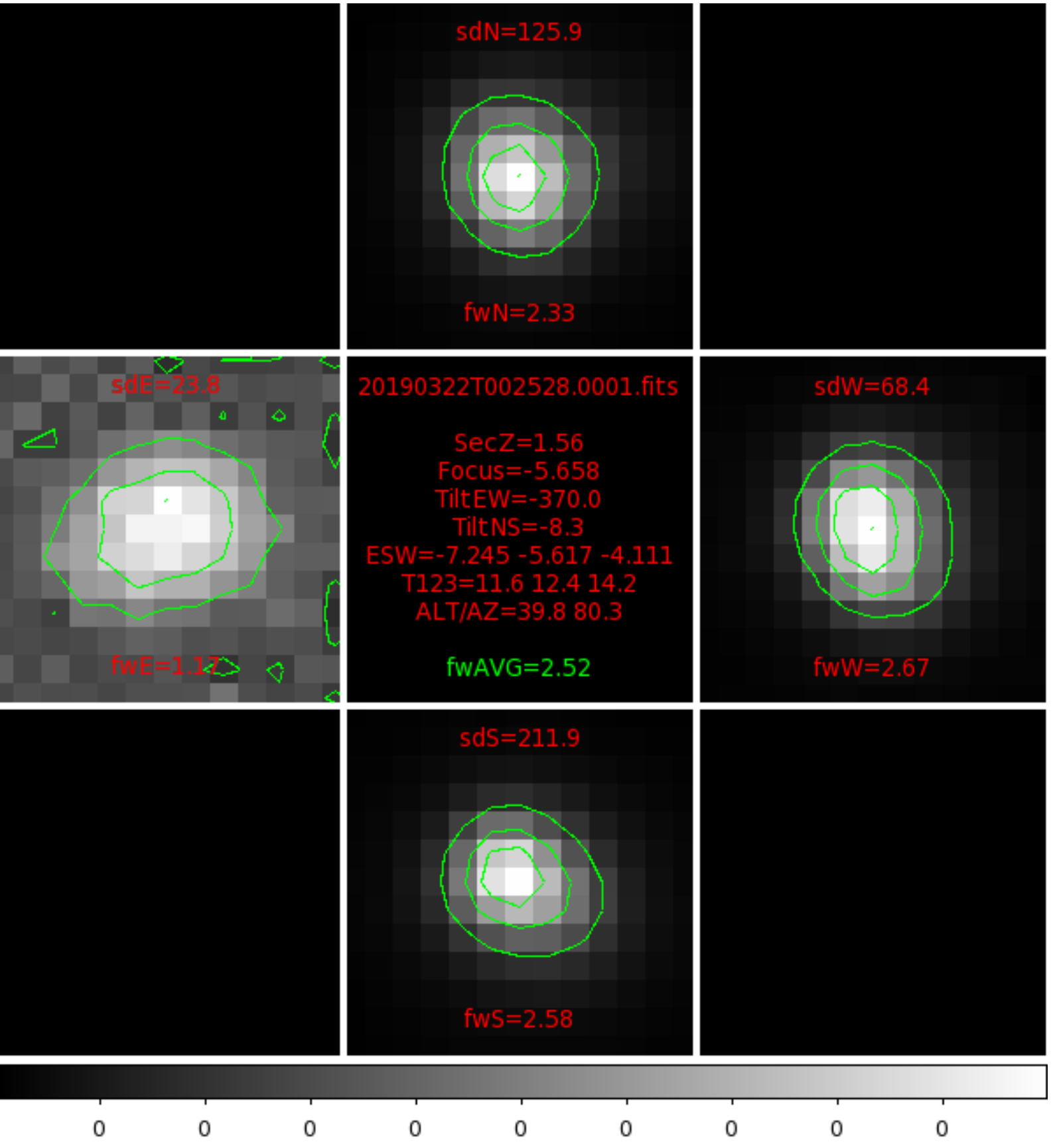
sdN=125.9
fwN=2.33
sdE=23.8
fwE=1.17
20190322T002528.0001.fits
SecZ=1.56
Focus=-5.658
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.245 -5.617 -4.111
T123=11.6 12.4 14.2
ALT/AZ=39.8 80.3
fwAVG=2.52
sdW=68.4
fwW=2.67
sdS=211.9
fwS=2.58
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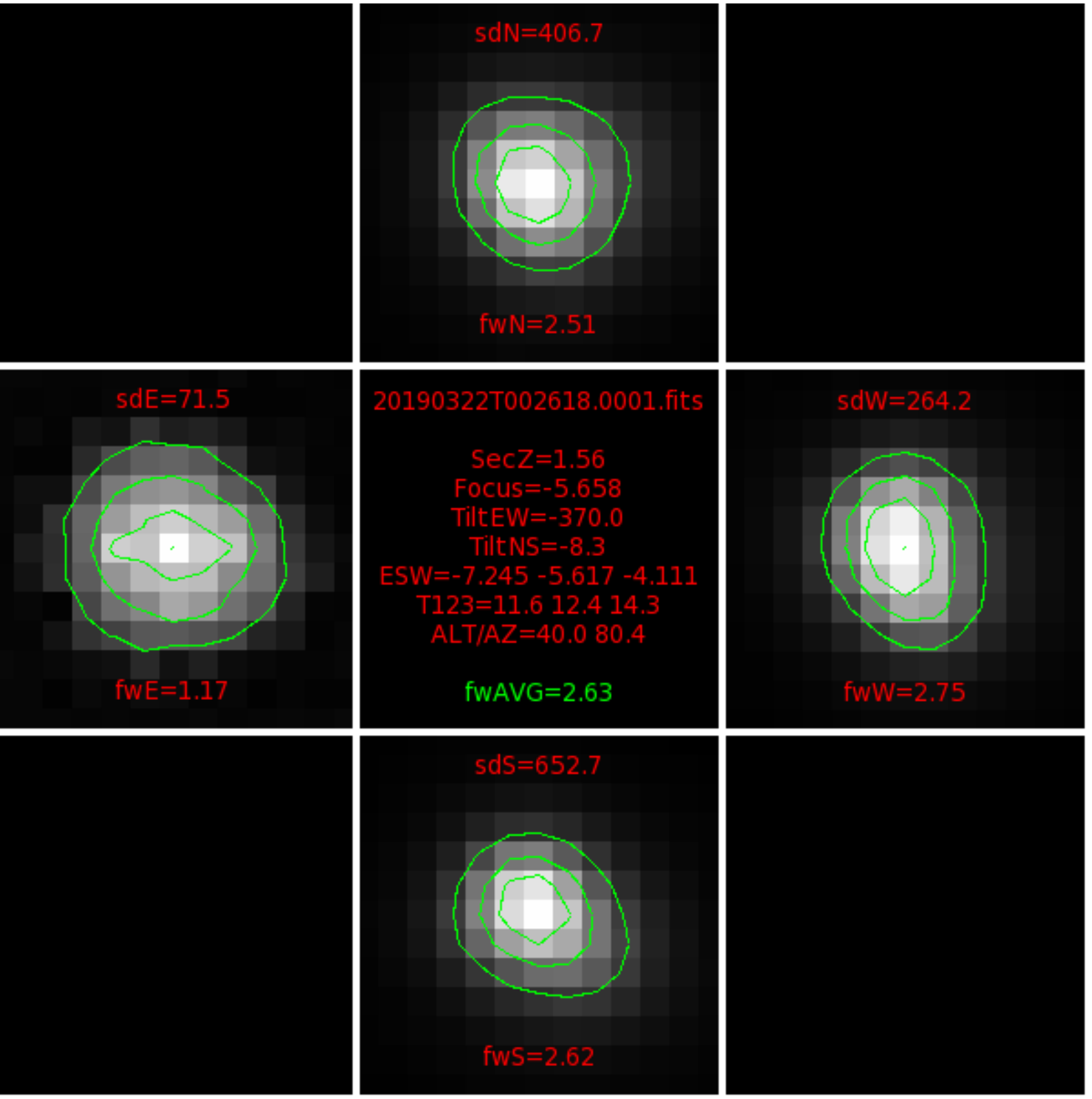
sdN=406.7
fwN=2.51
sdE=71.5
fwE=1.17
20190322T002618.0001.fits
SecZ=1.56
Focus=-5.658
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.245 -5.617 -4.111
T123=11.6 12.4 14.3
ALT/AZ=40.0 80.4
fwAVG=2.63
sdW=264.2
fwW=2.75
sdS=652.7
fwS=2.62
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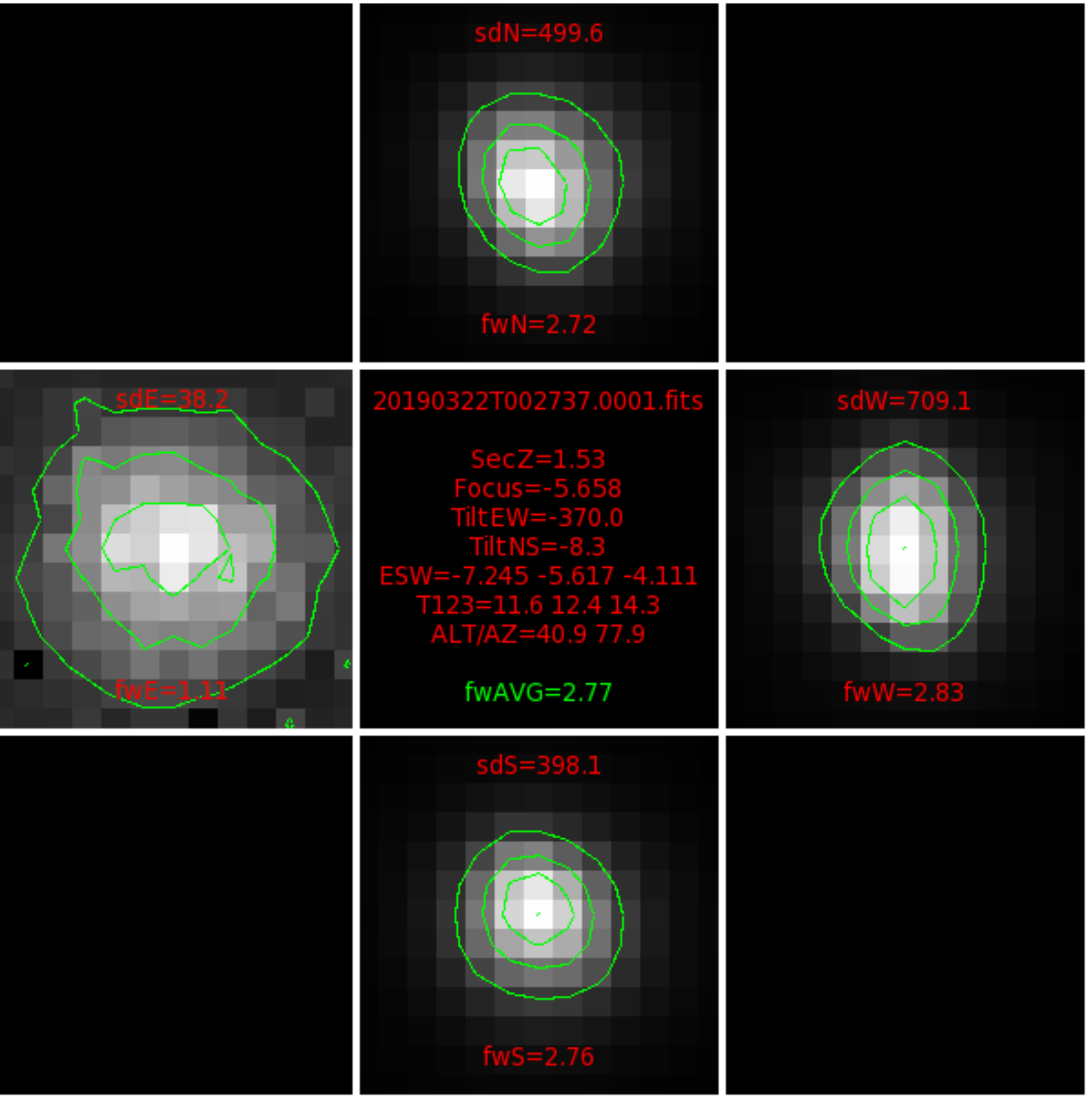
sdN=499.6
fwN=2.72
sdE=38.2
fwE=1.11
20190322T002737.0001.fits
SecZ=1.53
Focus=-5.658
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.245 -5.617 -4.111
T123=11.6 12.4 14.3
ALT/AZ=40.9 77.9
fwAVG=2.77
sdW=709.1
fwW=2.83
sdS=398.1
fwS=2.76
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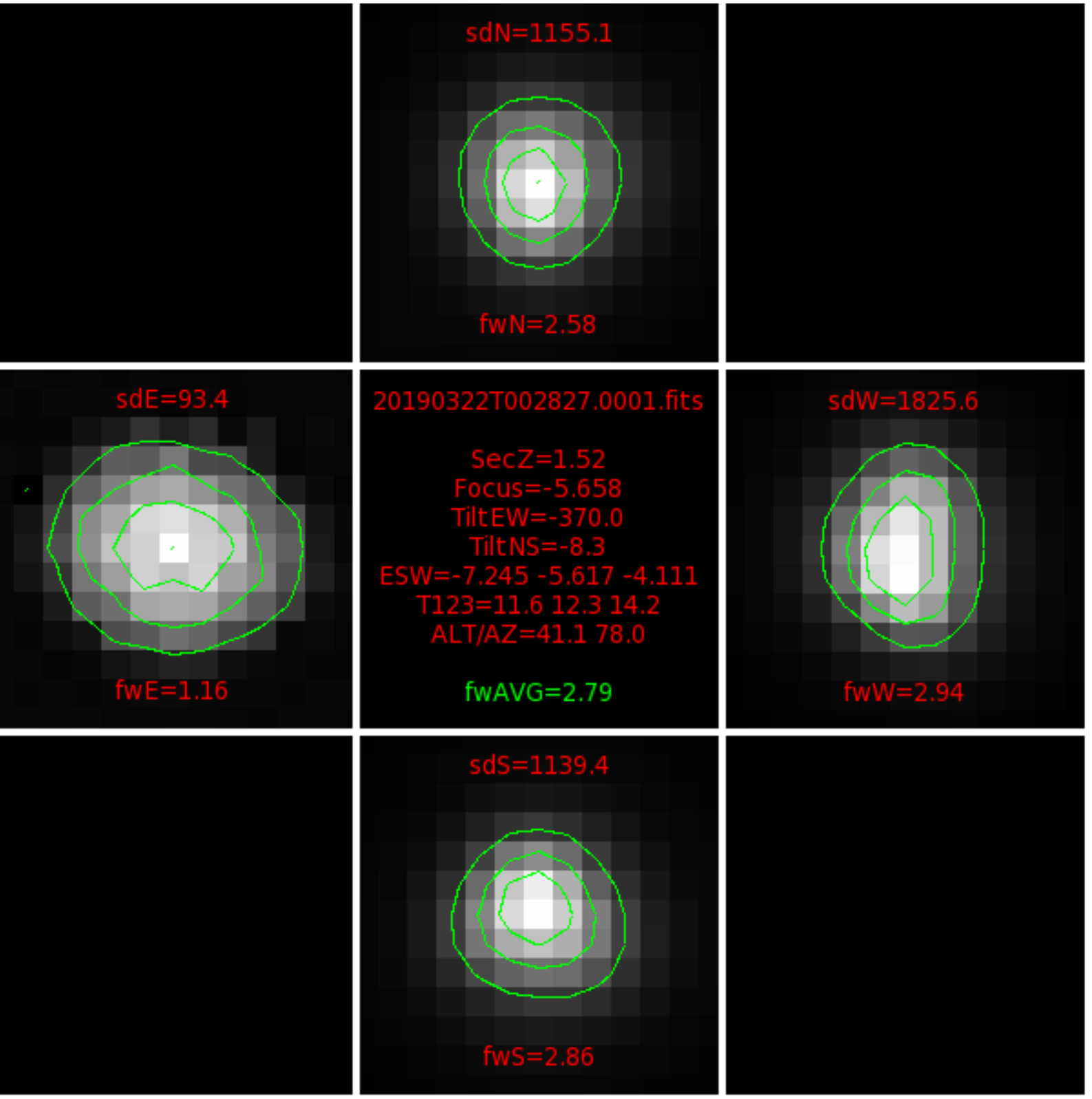
sdN=1155.1
fwN=2.58
sdE=93.4
fwE=1.16
20190322T002827.0001.fits
SecZ=1.52
Focus=-5.658
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.245 -5.617 -4.111
T123=11.6 12.3 14.2
ALT/AZ=41.1 78.0
fwAVG=2.79
sdW=1825.6
fwW=2.94
sdS=1139.4
fwS=2.86
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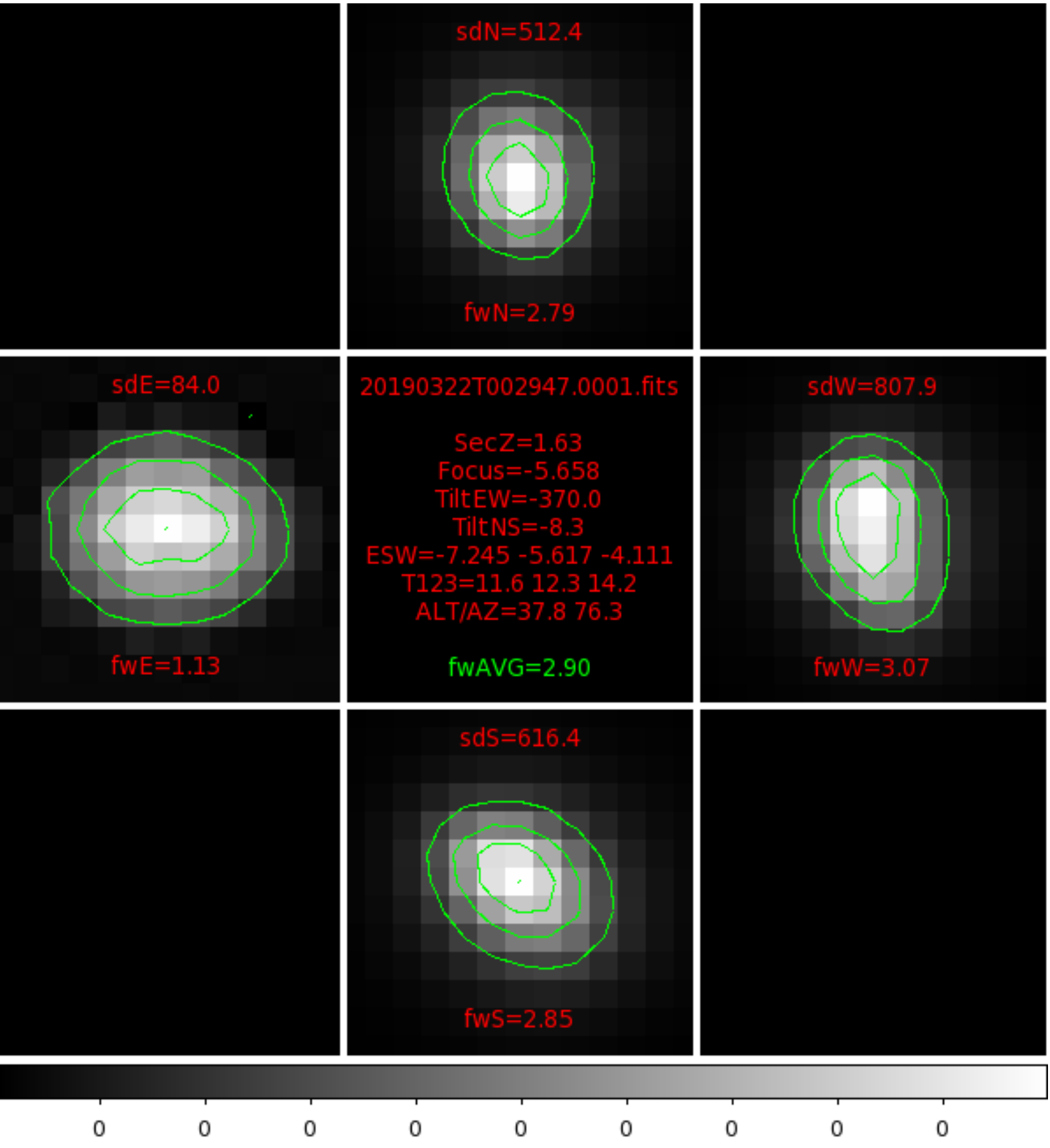
sdN=512.4
fwN=2.79
sdE=84.0
fwE=1.13
20190322T002947.0001.fits
SecZ=1.63
Focus=-5.658
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.245 -5.617 -4.111
T123=11.6 12.3 14.2
ALT/AZ=37.8 76.3
fwAVG=2.90
sdW=807.9
fwW=3.07
sdS=616.4
fwS=2.85
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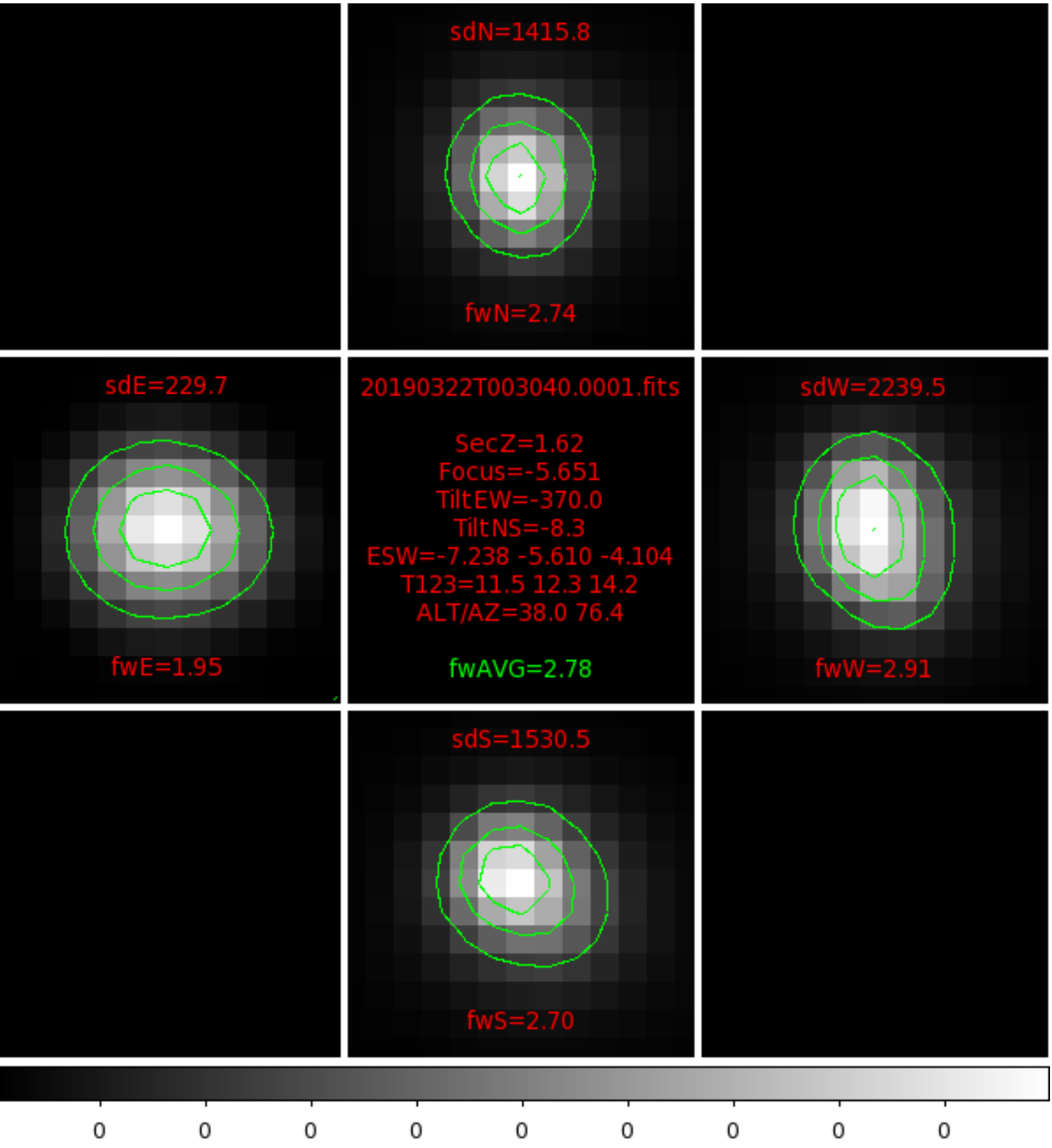
sdN=1415.8
fwN=2.74
sdE=229.7
fwE=1.95
20190322T003040.0001.fits
SecZ=1.62
Focus=-5.651
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.238 -5.610 -4.104
T123=11.5 12.3 14.2
ALT/AZ=38.0 76.4
fwAVG=2.78
sdW=2239.5
fwW=2.91
sdS=1530.5
fwS=2.70
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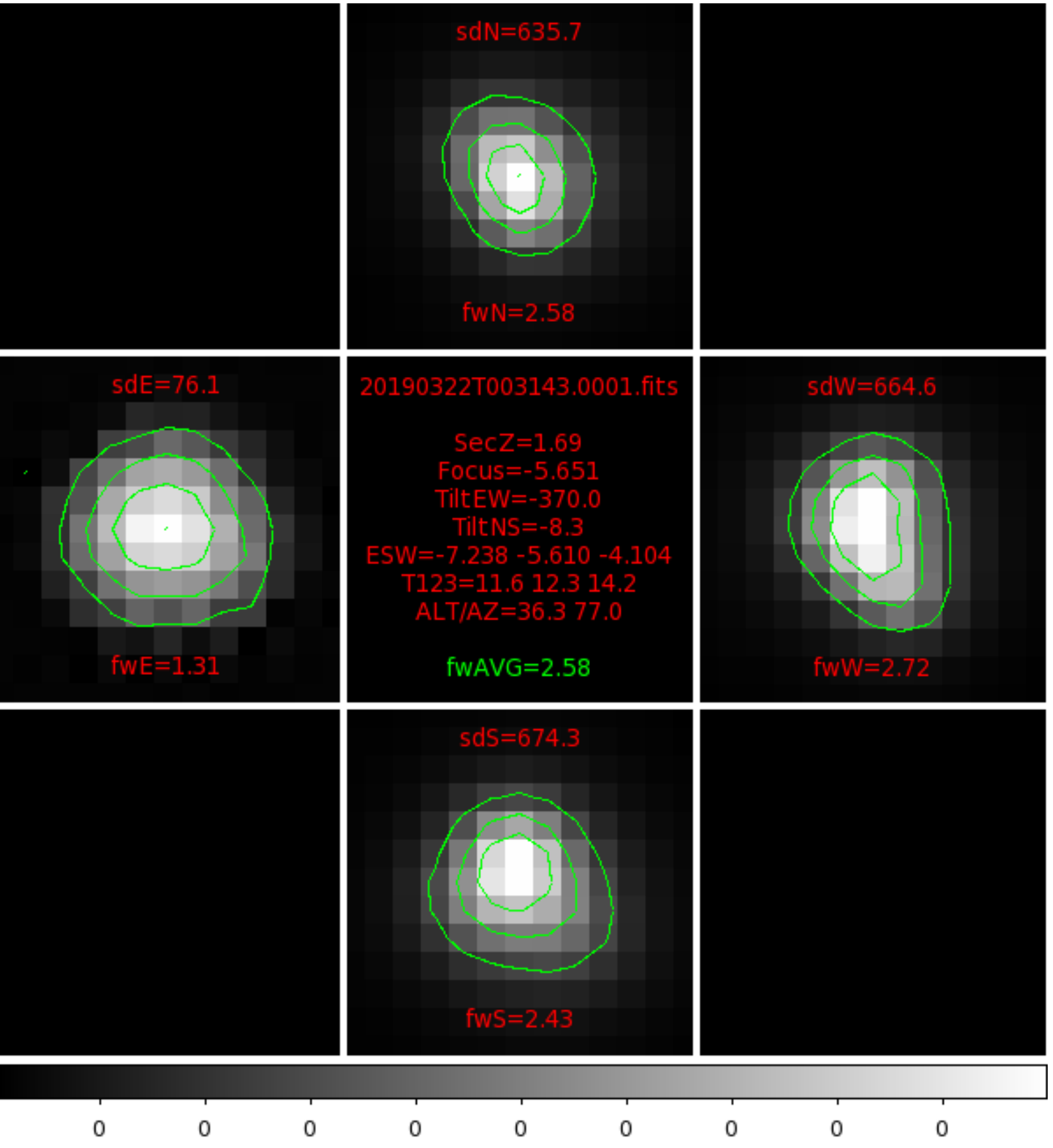
sdN=635.7
fwN=2.58
sdE=76.1
fwE=1.31
20190322T003143.0001.fits
SecZ=1.69
Focus=-5.651
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.238 -5.610 -4.104
T123=11.6 12.3 14.2
ALT/AZ=36.3 77.0
fwAVG=2.58
sdW=664.6
fwW=2.72
sdS=674.3
fwS=2.43
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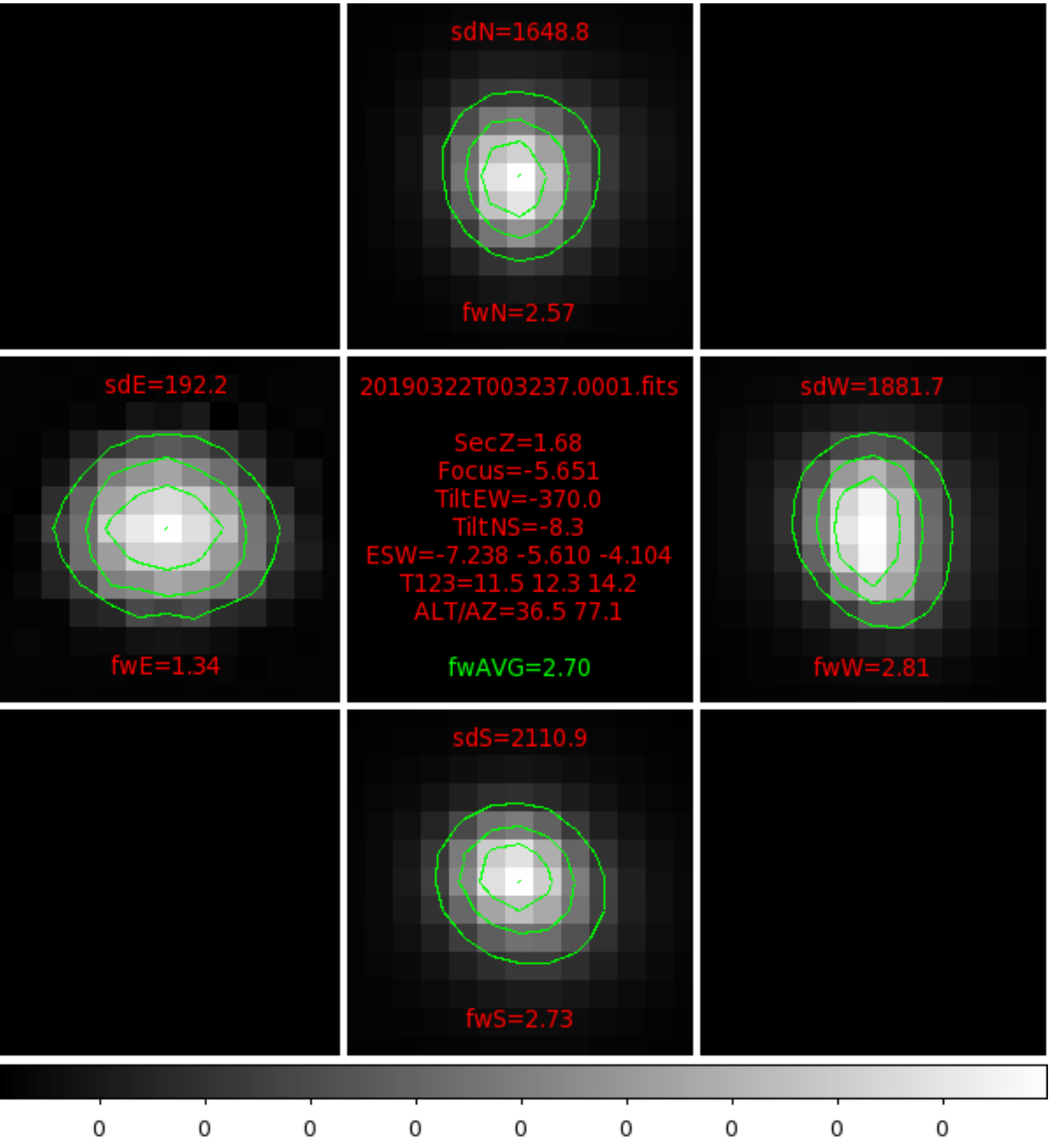
sdN=1648.8
fwN=2.57
sdE=192.2
fwE=1.34
20190322T003237.0001.fits
SecZ=1.68
Focus=-5.651
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.238 -5.610 -4.104
T123=11.5 12.3 14.2
ALT/AZ=36.5 77.1
fwAVG=2.70
sdW=1881.7
fwW=2.81
sdS=2110.9
fwS=2.73
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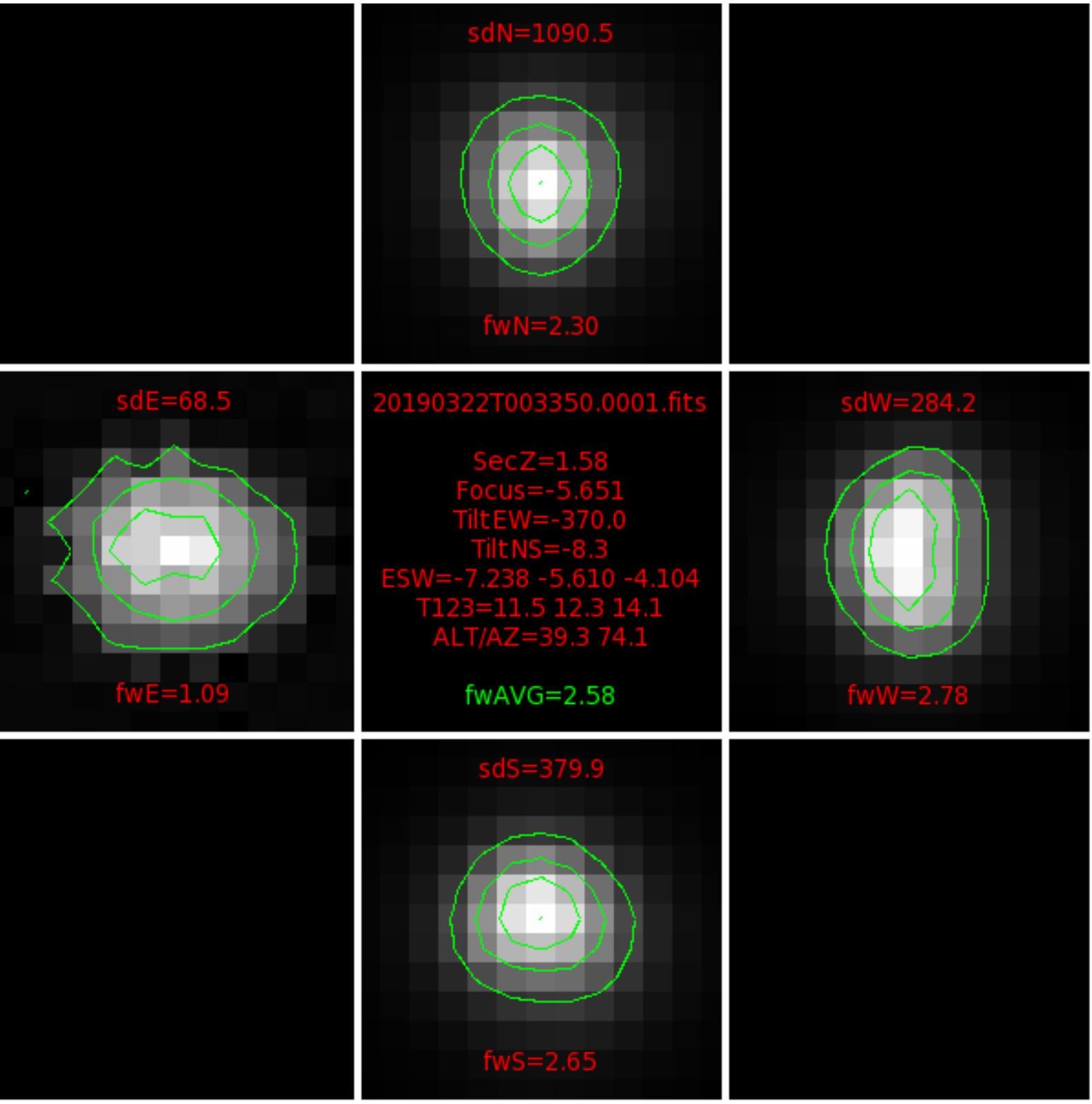
sdN=1090.5
fwN=2.30
sdE=68.5
fwE=1.09
20190322T003350.0001.fits
SecZ=1.58
Focus=-5.651
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.238 -5.610 -4.104
T123=11.5 12.3 14.1
ALT/AZ=39.3 74.1
fwAVG=2.58
sdW=284.2
fwW=2.78
sdS=379.9
fwS=2.65
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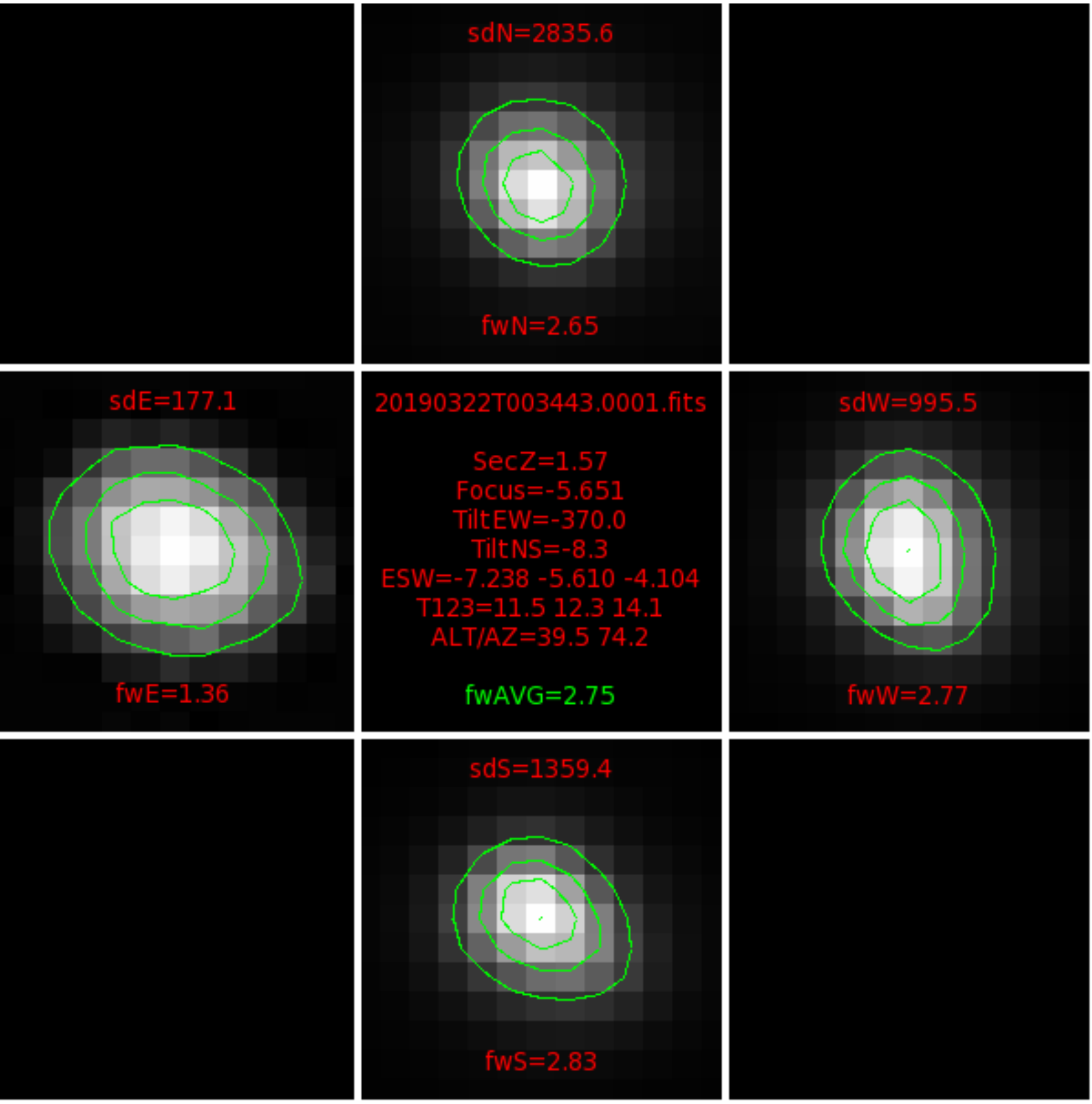
sdN=2835.6
fwN=2.65
sdE=177.1
fwE=1.36
20190322T003443.0001.fits
SecZ=1.57
Focus=-5.651
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.238 -5.610 -4.104
T123=11.5 12.3 14.1
ALT/AZ=39.5 74.2
fwAVG=2.75
sdW=995.5
fwW=2.77
sdS=1359.4
fwS=2.83
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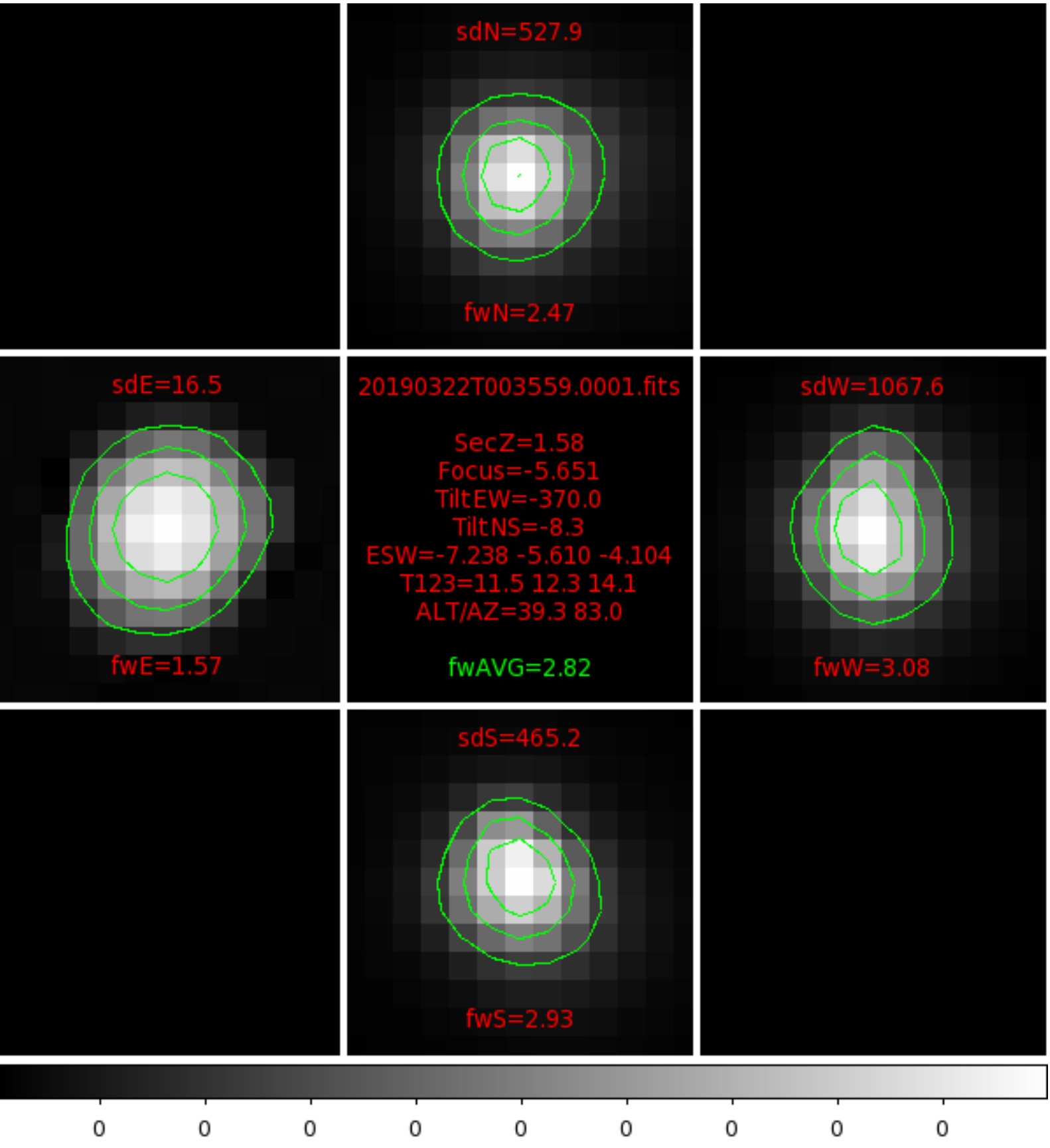
sdN=527.9
fwN=2.47
sdE=16.5
fwE=1.57
20190322T003559.0001.fits
SecZ=1.58
Focus=-5.651
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.238 -5.610 -4.104
T123=11.5 12.3 14.1
ALT/AZ=39.3 83.0
fwAVG=2.82
sdW=1067.6
fwW=3.08
sdS=465.2
fwS=2.93
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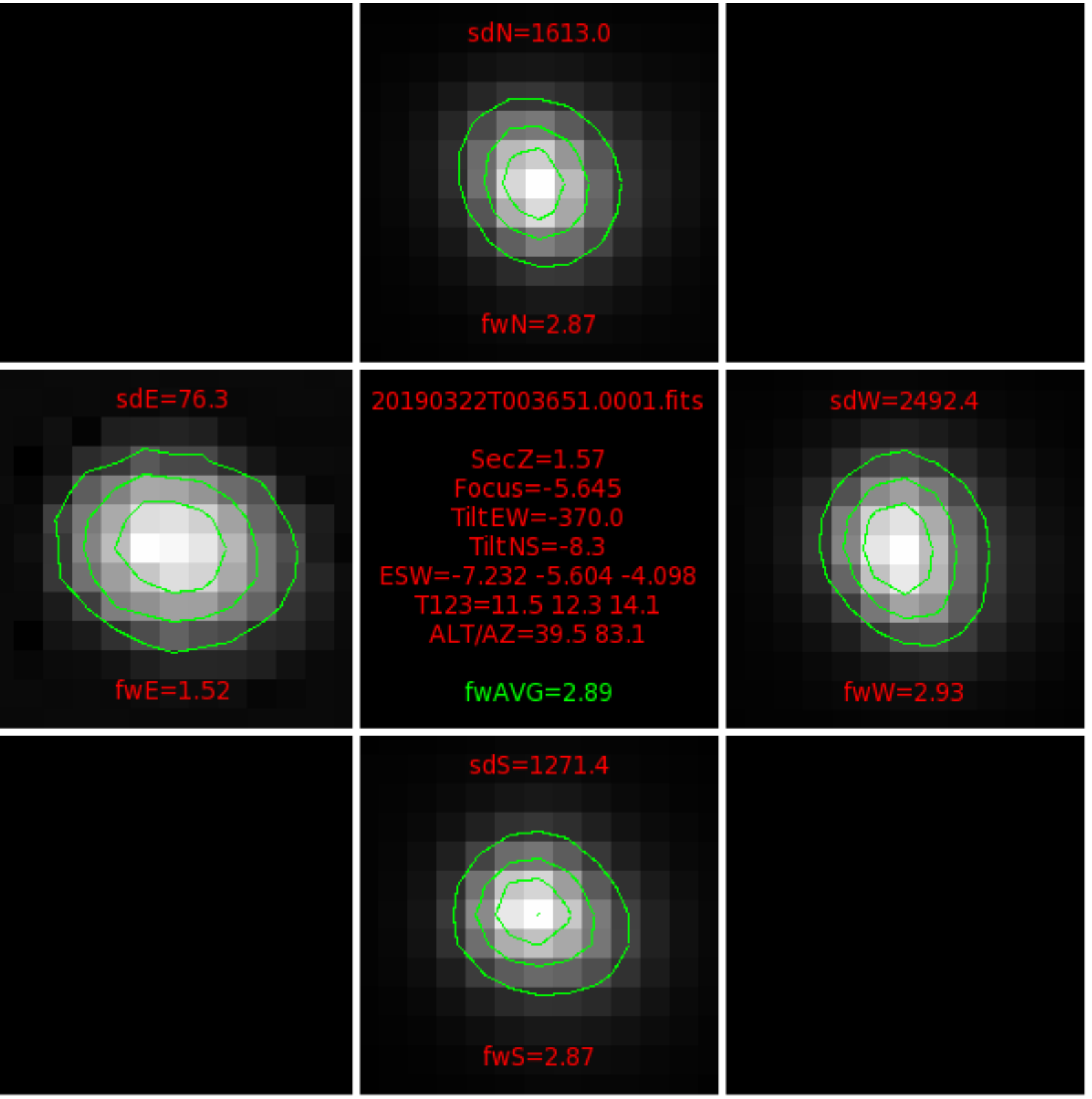
sdN=1613.0
fwN=2.87
sdE=76.3
fwE=1.52
20190322T003651.0001.fits
SecZ=1.57
Focus=-5.645
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.232 -5.604 -4.098
T123=11.5 12.3 14.1
ALT/AZ=39.5 83.1
fwAVG=2.89
sdW=2492.4
fwW=2.93
sdS=1271.4
fwS=2.87
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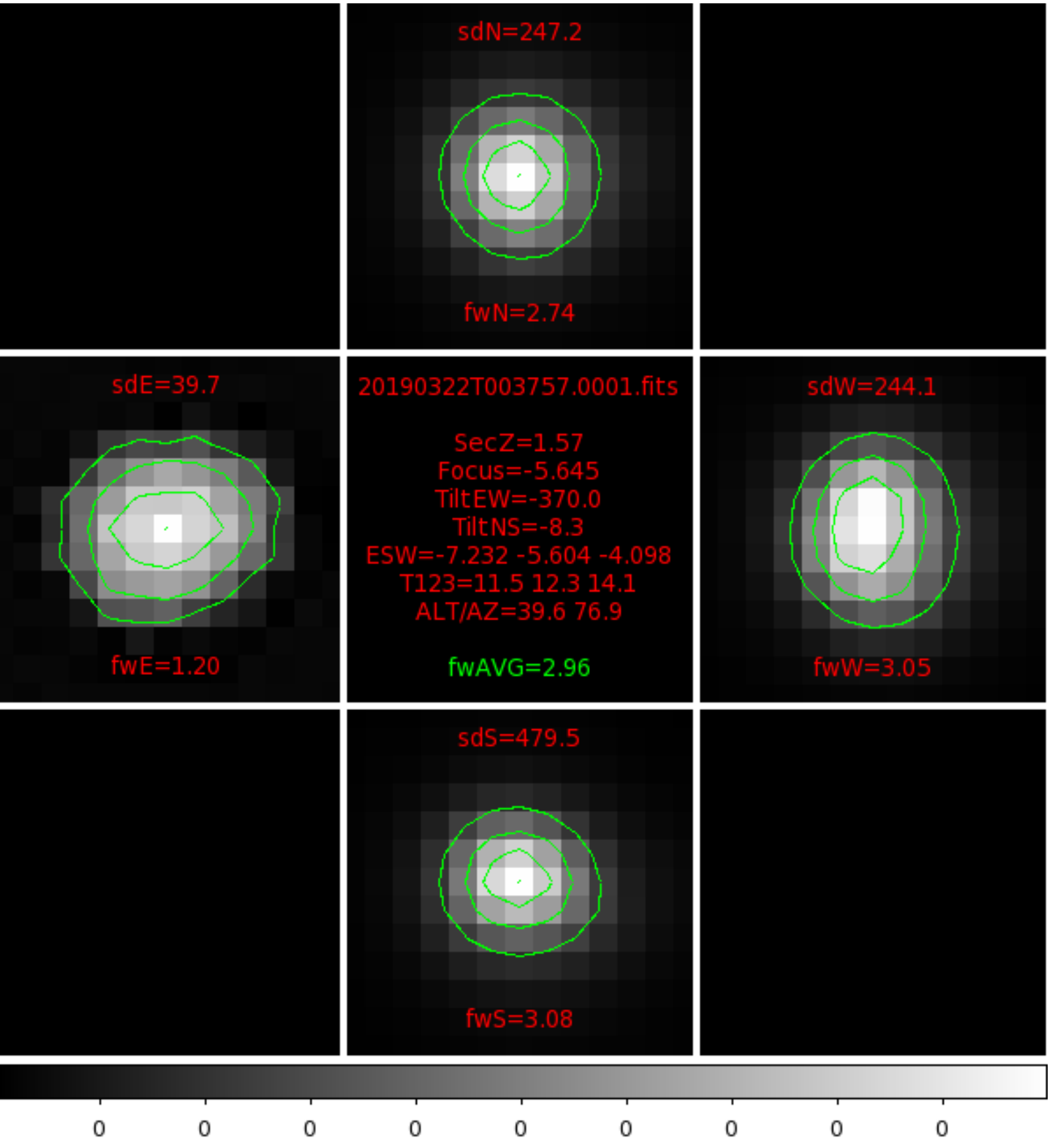
sdN=247.2
fwN=2.74
sdE=39.7
fwE=1.20
20190322T003757.0001.fits
SecZ=1.57
Focus=-5.645
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.232 -5.604 -4.098
T123=11.5 12.3 14.1
ALT/AZ=39.6 76.9
fwAVG=2.96
sdW=244.1
fwW=3.05
sdS=479.5
fwS=3.08
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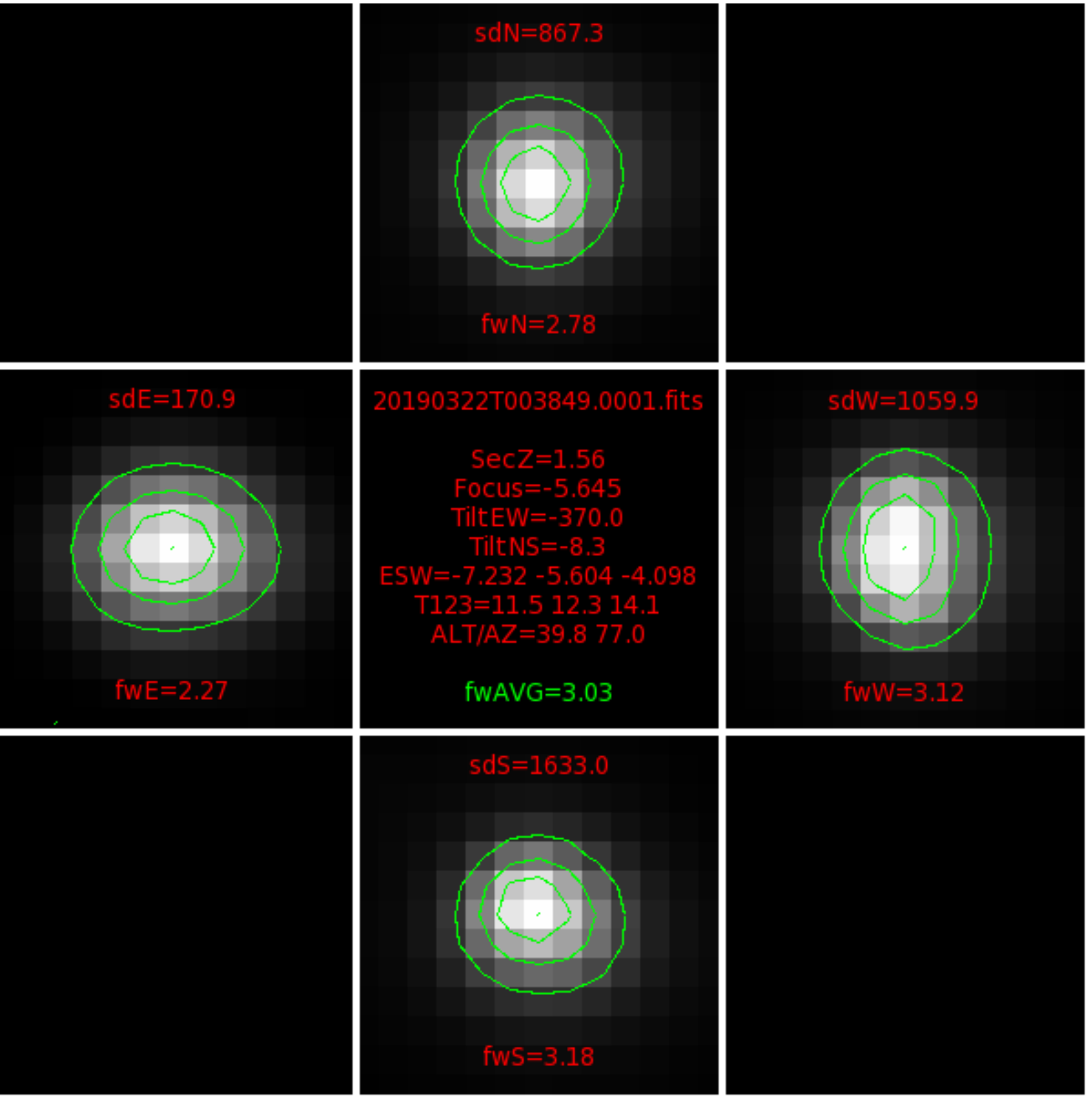
sdN=867.3
fwN=2.78
sdE=170.9
fwE=2.27
20190322T003849.0001.fits
SecZ=1.56
Focus=-5.645
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.232 -5.604 -4.098
T123=11.5 12.3 14.1
ALT/AZ=39.8 77.0
fwAVG=3.03
sdW=1059.9
fwW=3.12
sdS=1633.0
fwS=3.18
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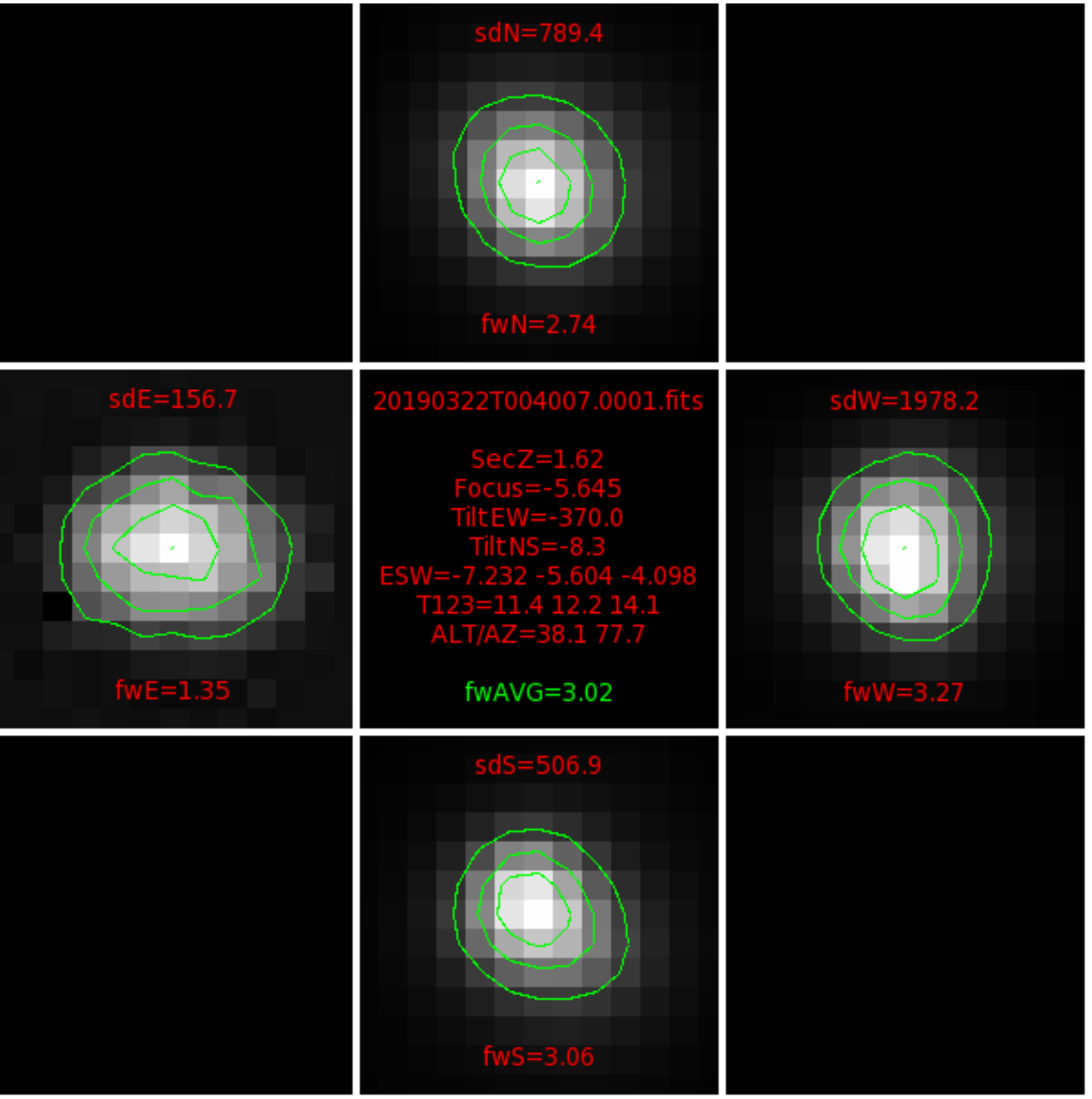
sdN=789.4
fwN=2.74
sdE=156.7
fwE=1.35
20190322T004007.0001.fits
SecZ=1.62
Focus=-5.645
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.232 -5.604 -4.098
T123=11.4 12.2 14.1
ALT/AZ=38.1 77.7
fwAVG=3.02
sdW=1978.2
fwW=3.27
sdS=506.9
fwS=3.06
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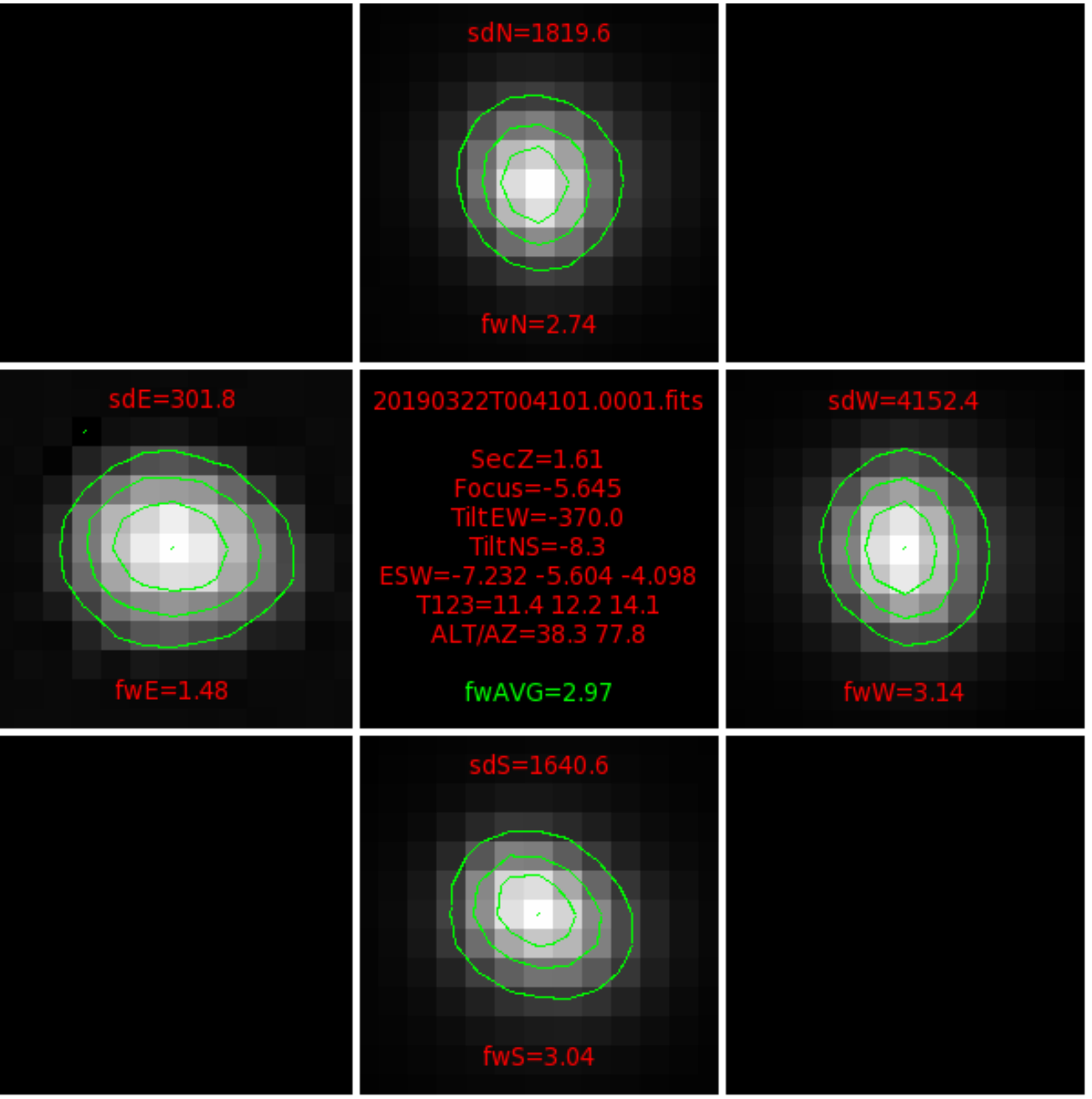
sdN=1819.6
fwN=2.74
sdE=301.8
fwE=1.48
20190322T004101.0001.fits
SecZ=1.61
Focus=-5.645
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.232 -5.604 -4.098
T123=11.4 12.2 14.1
ALT/AZ=38.3 77.8
fwAVG=2.97
sdW=4152.4
fwW=3.14
sdS=1640.6
fwS=3.04
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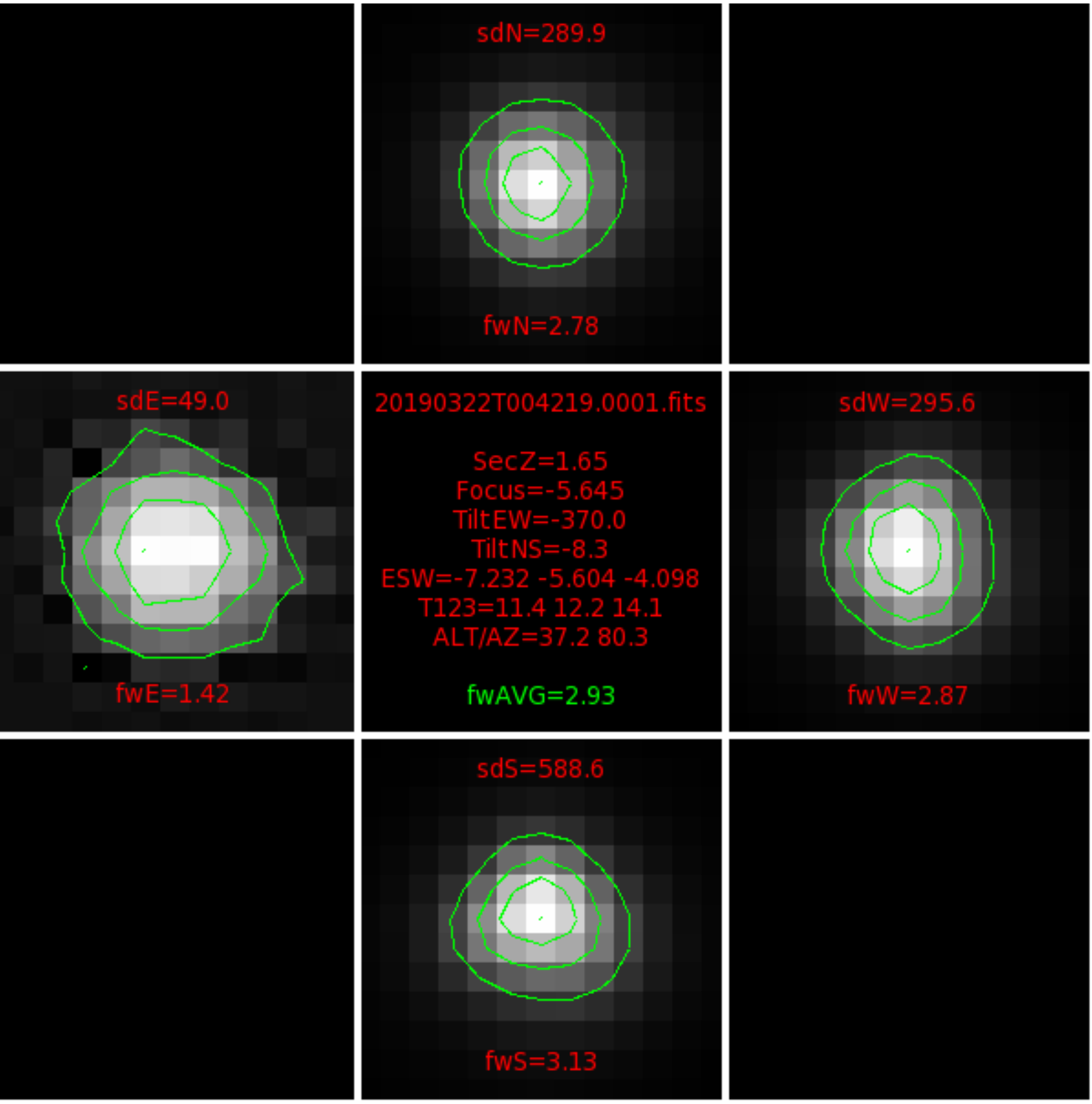
sdN=289.9
fwN=2.78
sdE=49.0
fwE=1.42
20190322T004219.0001.fits
SecZ=1.65
Focus=-5.645
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.232 -5.604 -4.098
T123=11.4 12.2 14.1
ALT/AZ=37.2 80.3
fwAVG=2.93
sdW=295.6
fwW=2.87
sdS=588.6
fwS=3.13
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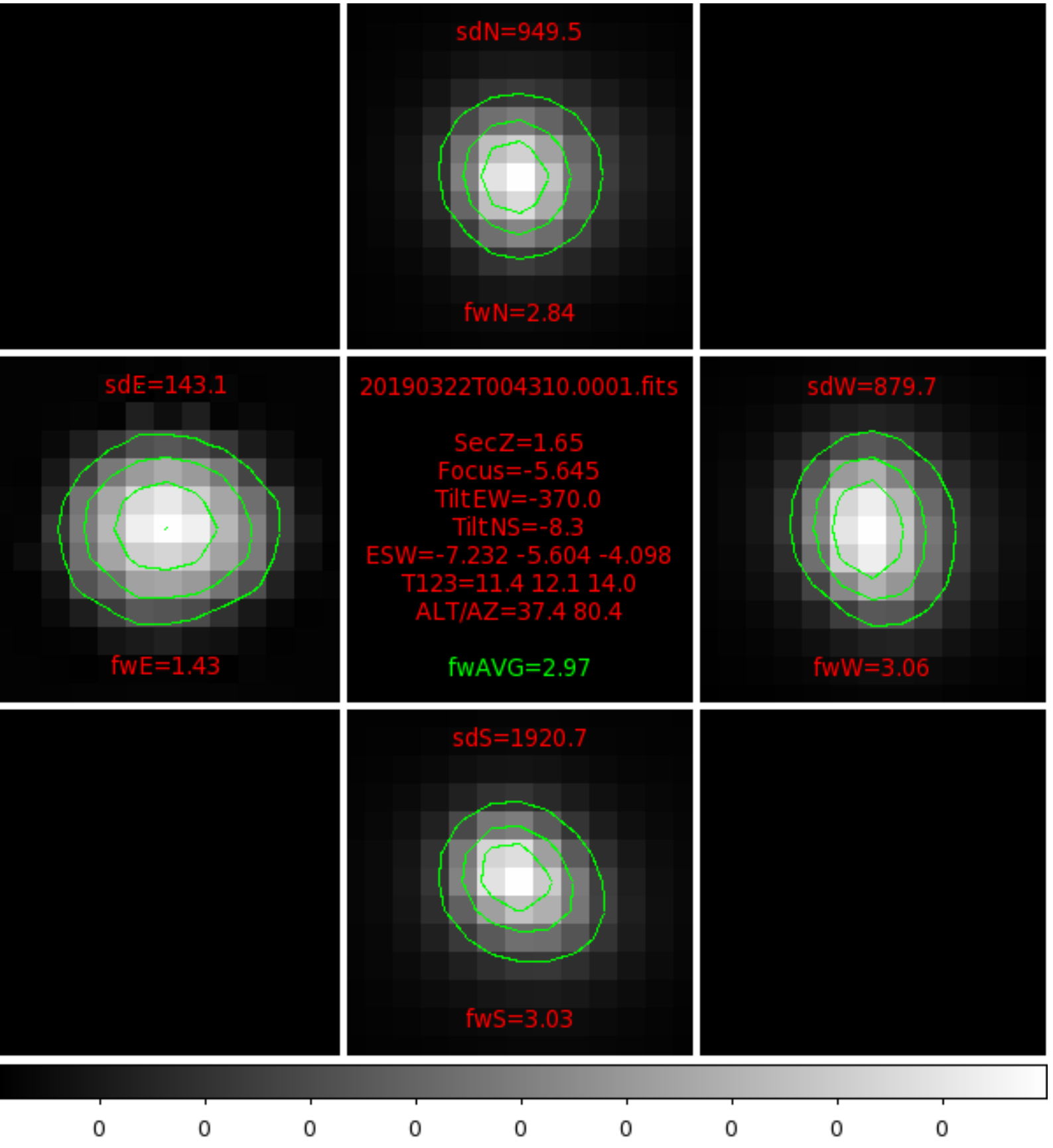
sdN=949.5
fwN=2.84
sdE=143.1
fwE=1.43
20190322T004310.0001.fits
SecZ=1.65
Focus=-5.645
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.232 -5.604 -4.098
T123=11.4 12.1 14.0
ALT/AZ=37.4 80.4
fwAVG=2.97
sdW=879.7
fwW=3.06
sdS=1920.7
fwS=3.03
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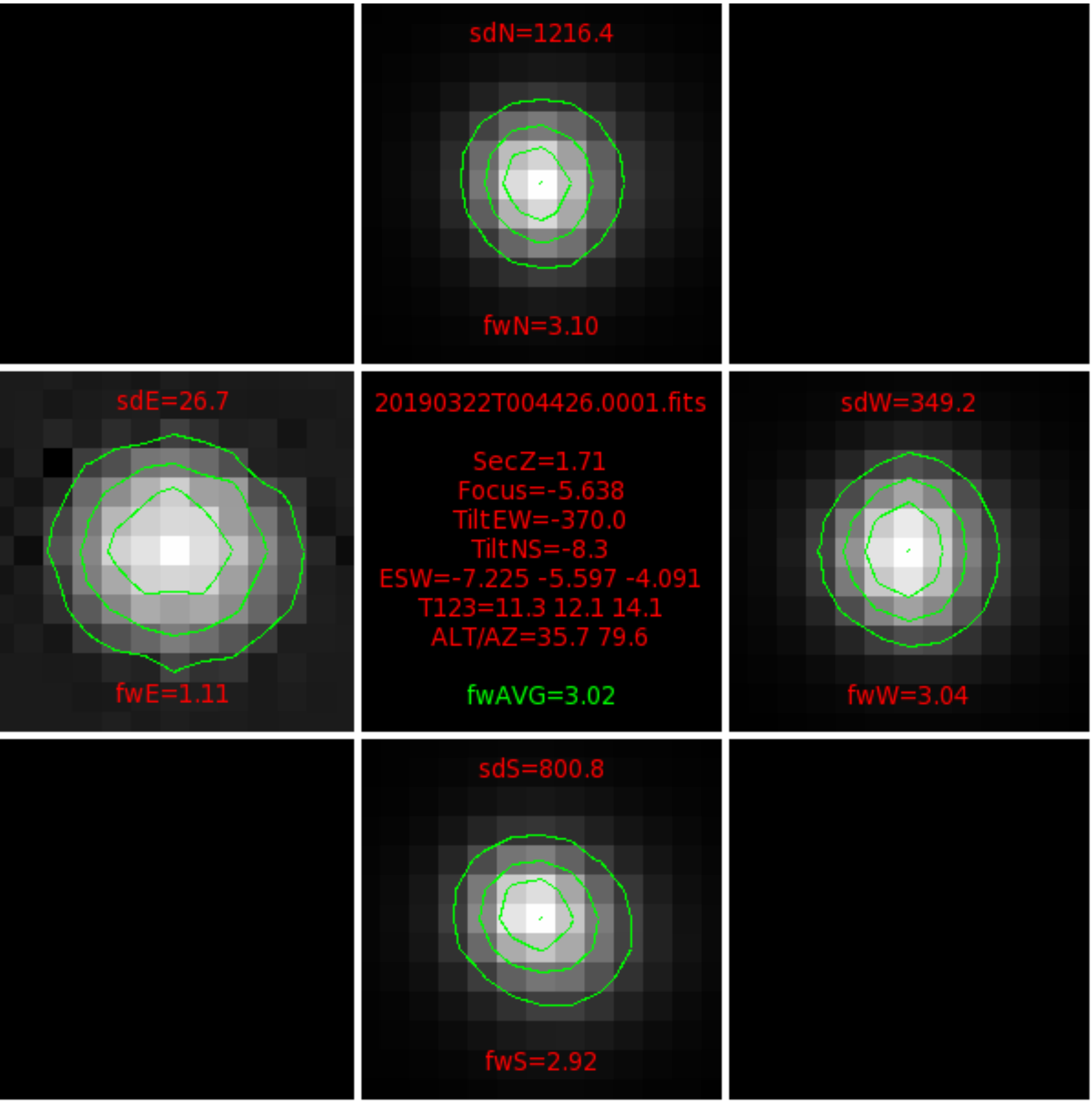
sdN=1216.4
fwN=3.10
sdE=26.7
fwE=1.11
20190322T004426.0001.fits
SecZ=1.71
Focus=-5.638
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.225 -5.597 -4.091
T123=11.3 12.1 14.1
ALT/AZ=35.7 79.6
fwAVG=3.02
sdW=349.2
fwW=3.04
sdS=800.8
fwS=2.92
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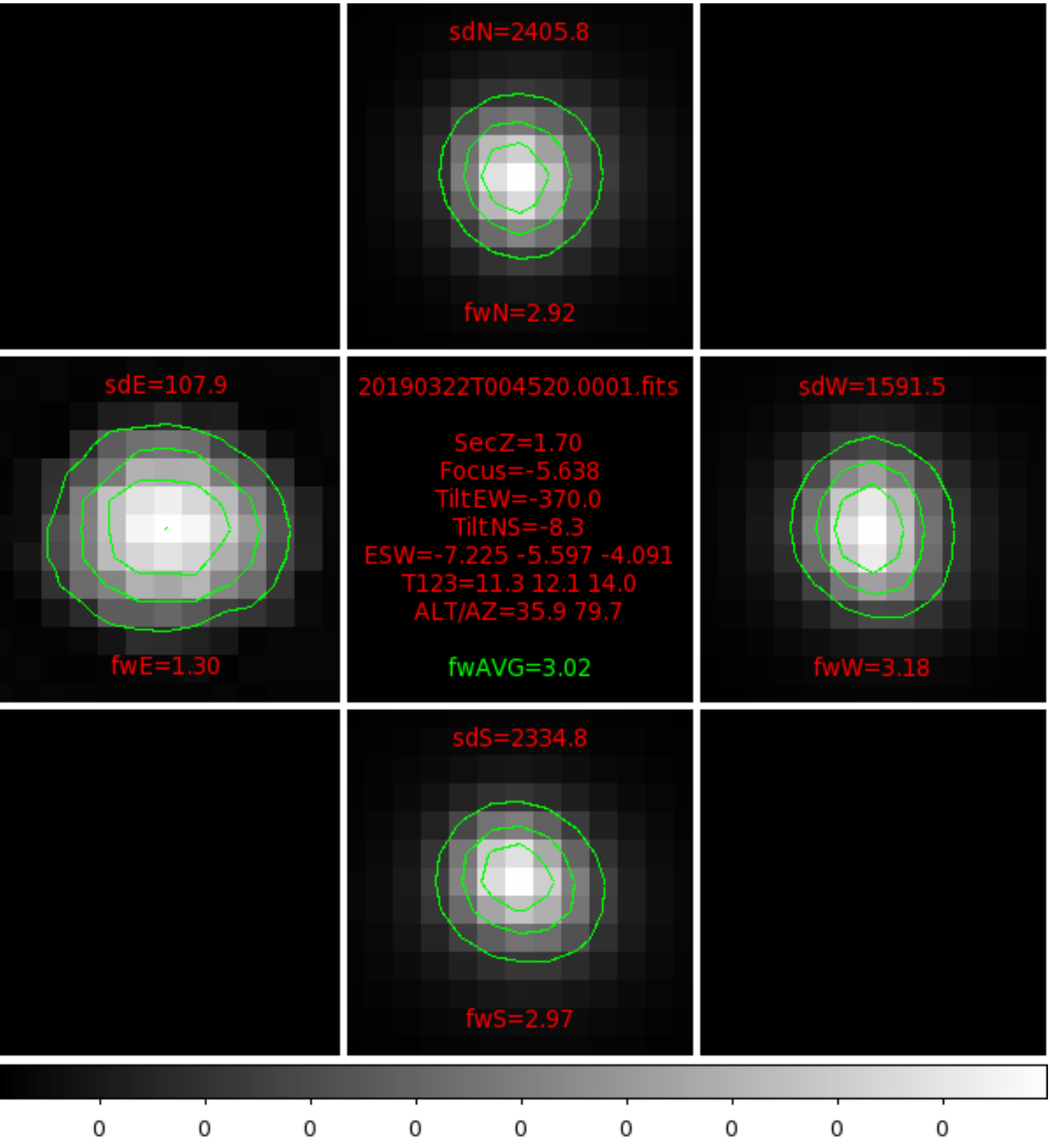
sdN=2405.8
fwN=2.92
sdE=107.9
fwE=1.30
20190322T004520.0001.fits
SecZ=1.70
Focus=-5.638
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.225 -5.597 -4.091
T123=11.3 12.1 14.0
ALT/AZ=35.9 79.7
fwAVG=3.02
sdW=1591.5
fwW=3.18
sdS=2334.8
fwS=2.97
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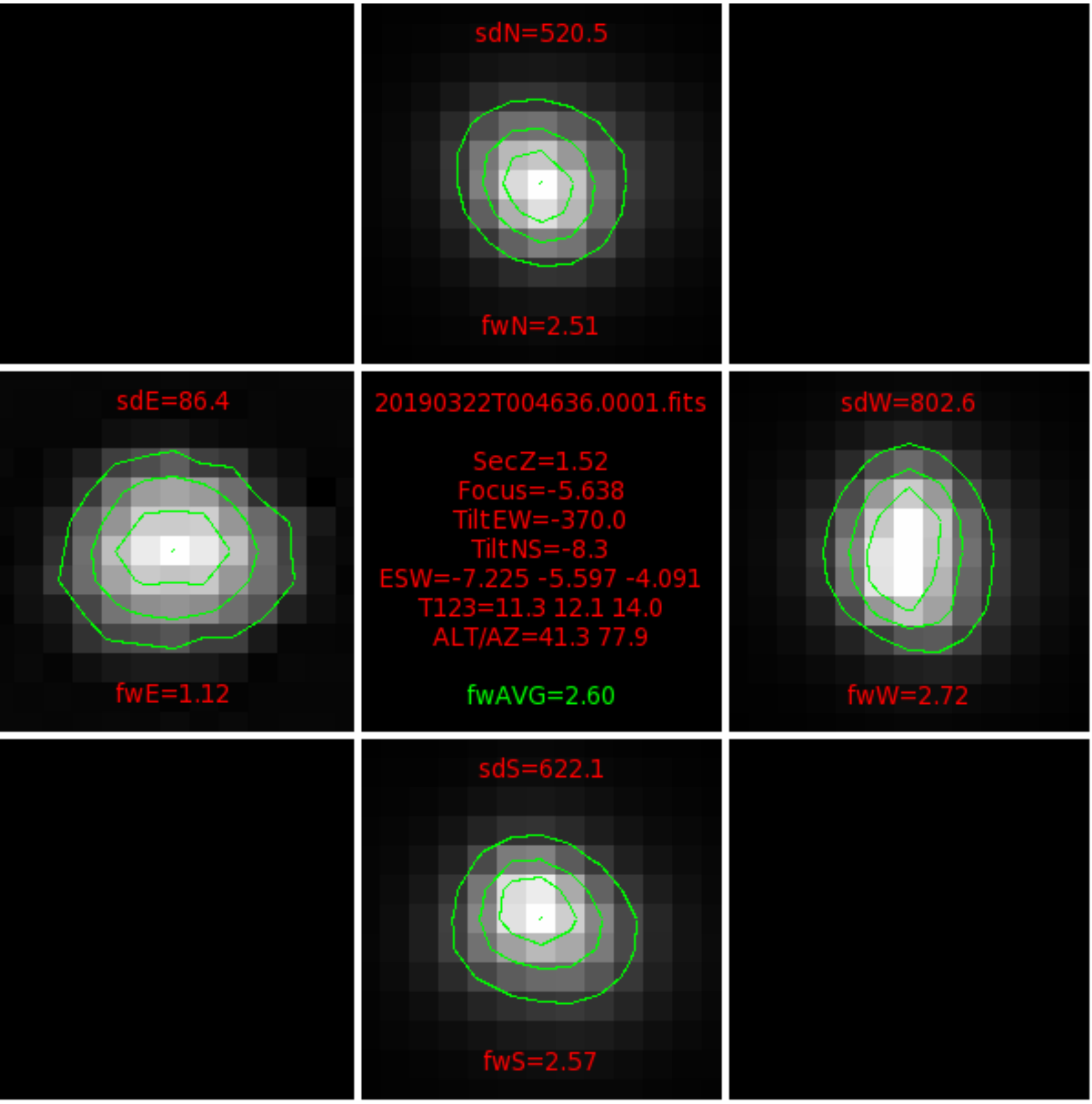
sdN=520.5
fwN=2.51
sdE=86.4
fwE=1.12
20190322T004636.0001.fits
SecZ=1.52
Focus=-5.638
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.225 -5.597 -4.091
T123=11.3 12.1 14.0
ALT/AZ=41.3 77.9
fwAVG=2.60
sdW=802.6
fwW=2.72
sdS=622.1
fwS=2.57
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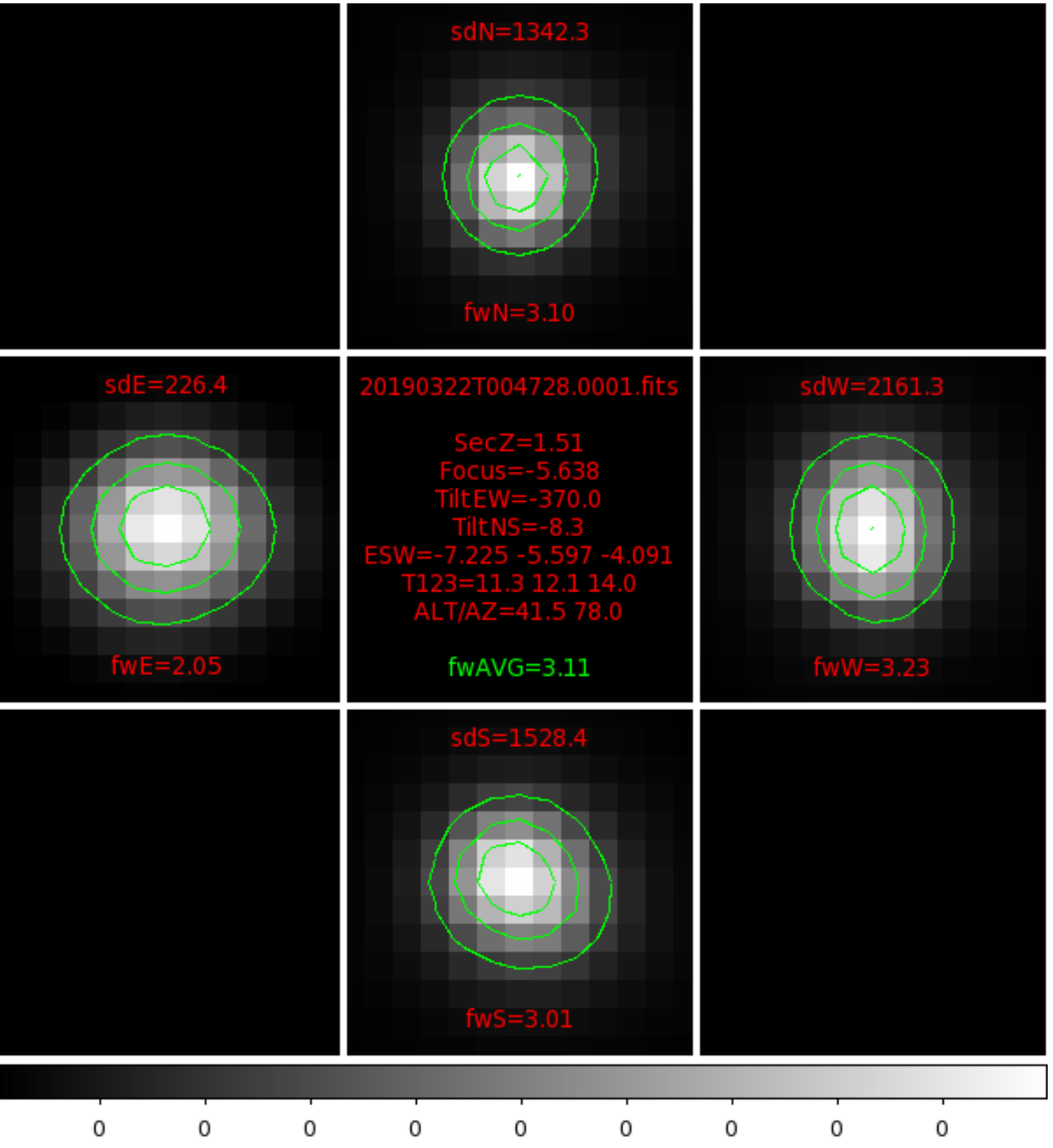
sdN=1342.3
fwN=3.10
sdE=226.4
fwE=2.05
20190322T004728.0001.fits
SecZ=1.51
Focus=-5.638
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.225 -5.597 -4.091
T123=11.3 12.1 14.0
ALT/AZ=41.5 78.0
fwAVG=3.11
sdW=2161.3
fwW=3.23
sdS=1528.4
fwS=3.01
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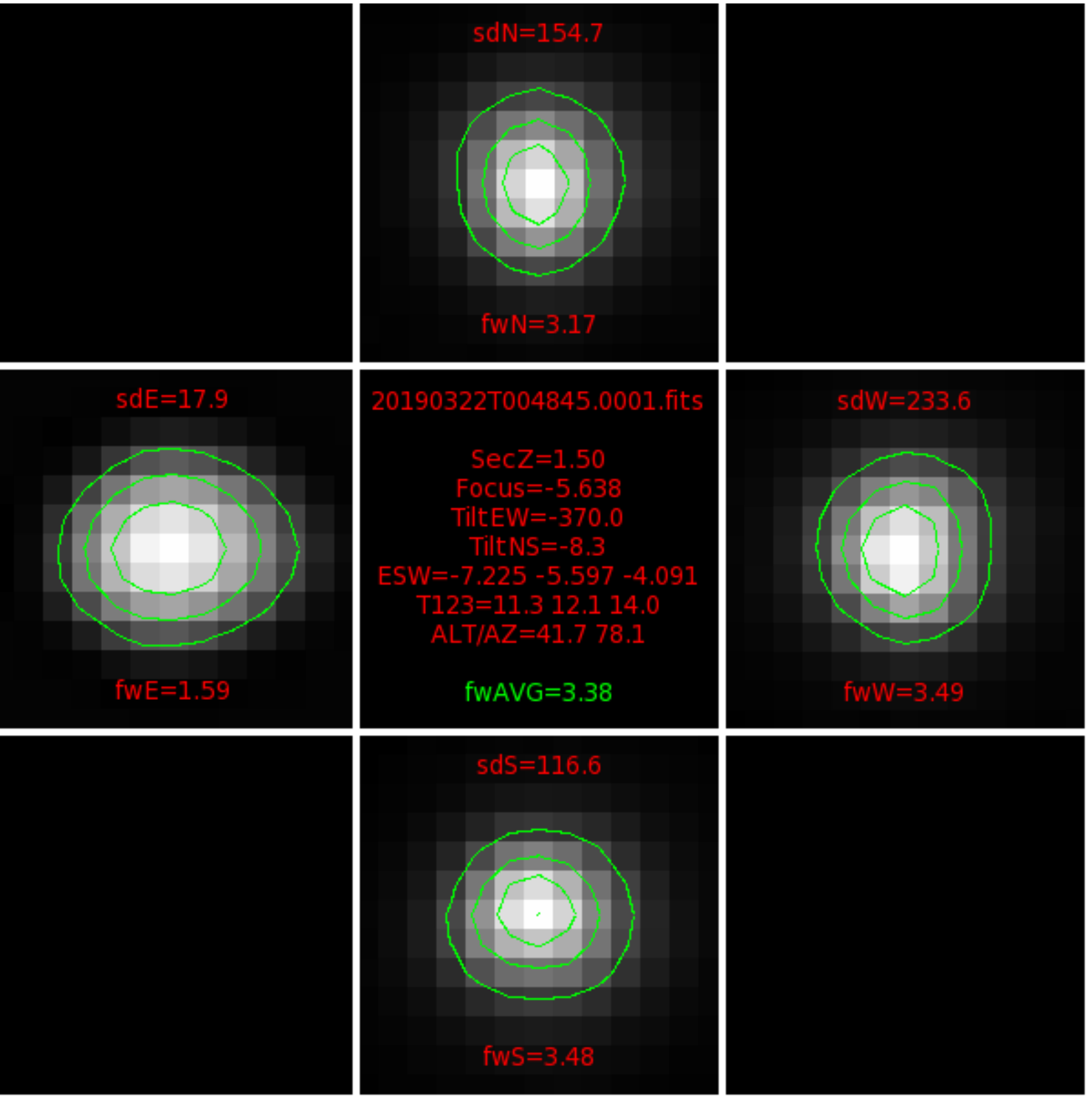
sdN=154.7
fwN=3.17
sdE=17.9
fwE=1.59
20190322T004845.0001.fits
SecZ=1.50
Focus=-5.638
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.225 -5.597 -4.091
T123=11.3 12.1 14.0
ALT/AZ=41.7 78.1
fwAVG=3.38
sdW=233.6
fwW=3.49
sdS=116.6
fwS=3.48
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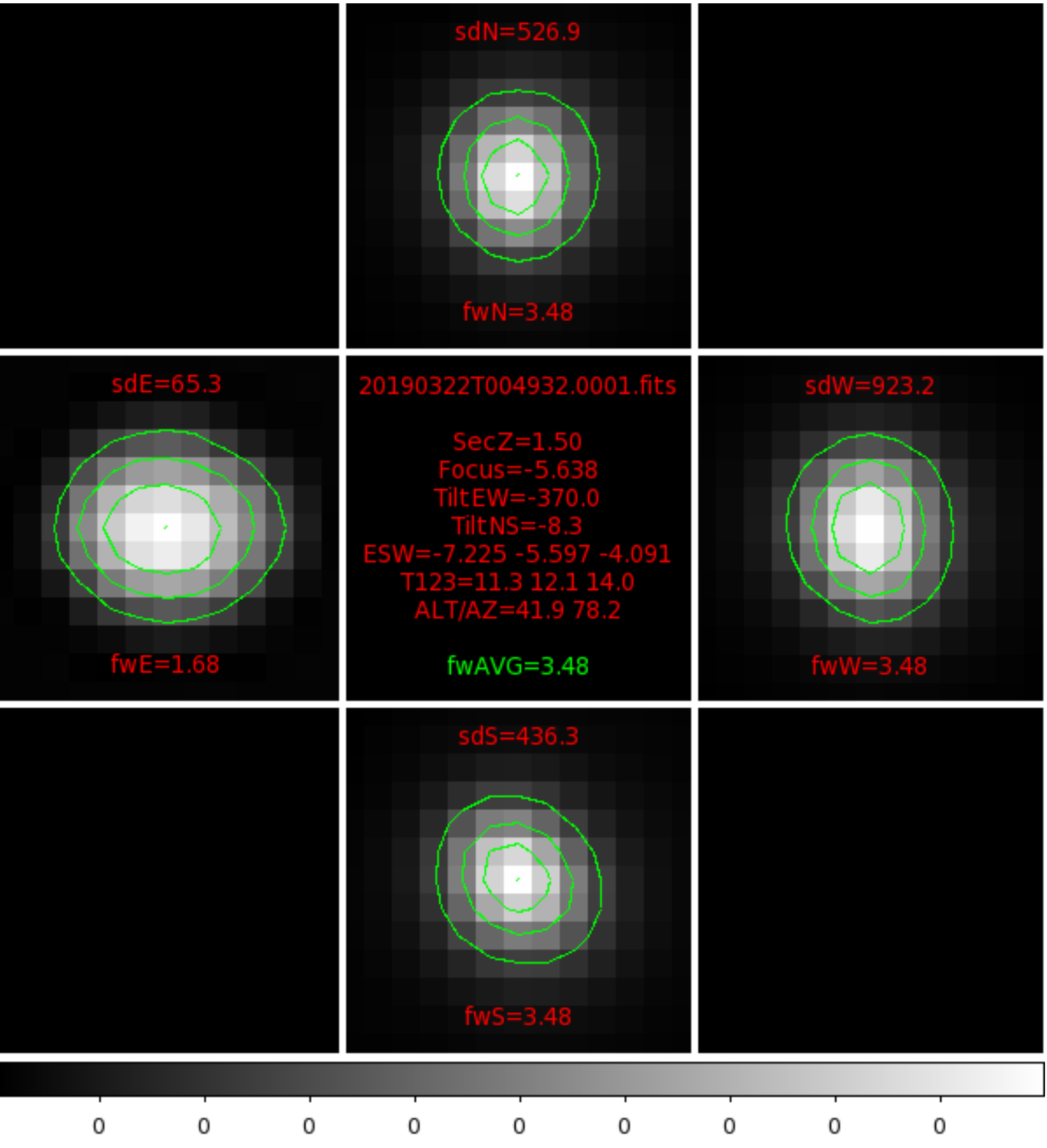
sdN=526.9
fwN=3.48
sdE=65.3
fwE=1.68
20190322T004932.0001.fits
SecZ=1.50
Focus=-5.638
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.225 -5.597 -4.091
T123=11.3 12.1 14.0
ALT/AZ=41.9 78.2
fwAVG=3.48
sdW=923.2
fwW=3.48
sdS=436.3
fwS=3.48
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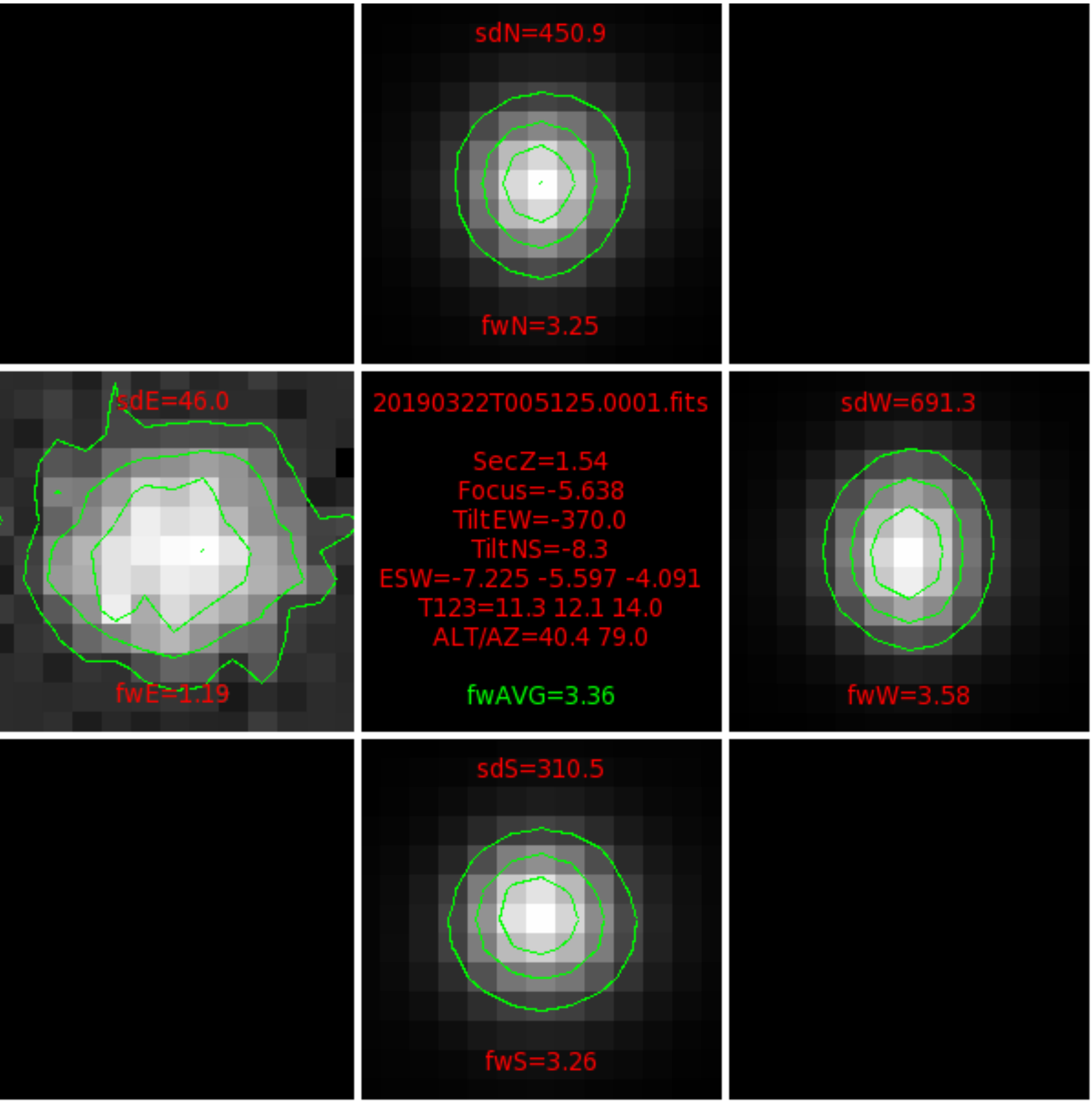
sdN=450.9
fwN=3.25
sdE=46.0
fwE=1.19
20190322T005125.0001.fits
SecZ=1.54
Focus=-5.638
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.225 -5.597 -4.091
T123=11.3 12.1 14.0
ALT/AZ=40.4 79.0
fwAVG=3.36
sdW=691.3
fwW=3.58
sdS=310.5
fwS=3.26
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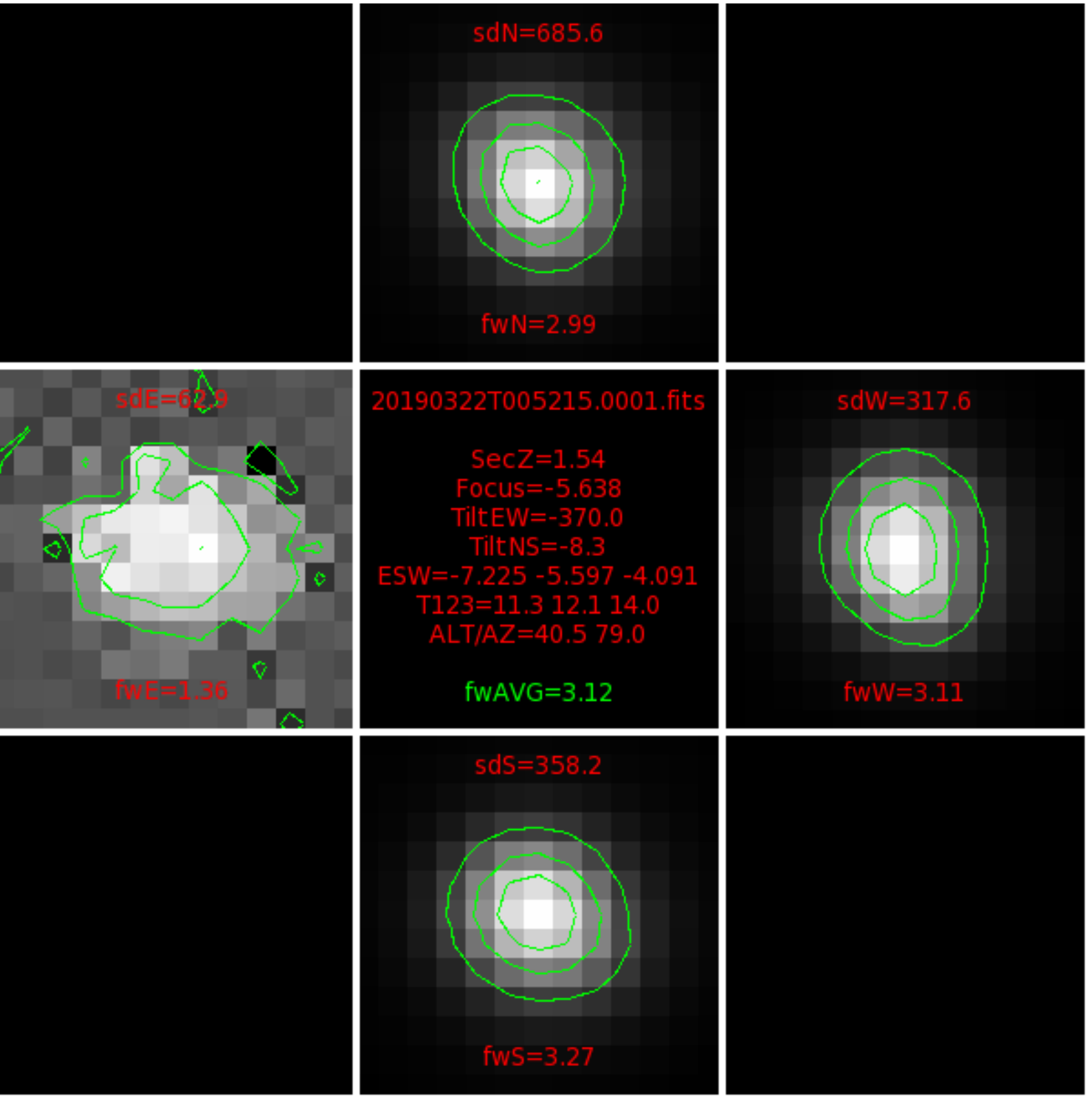
sdN=685.6
fwN=2.99
sdE=62.9
fwE=1.36
20190322T005215.0001.fits
SecZ=1.54
Focus=-5.638
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.225 -5.597 -4.091
T123=11.3 12.1 14.0
ALT/AZ=40.5 79.0
fwAVG=3.12
sdW=317.6
fwW=3.11
sdS=358.2
fwS=3.27
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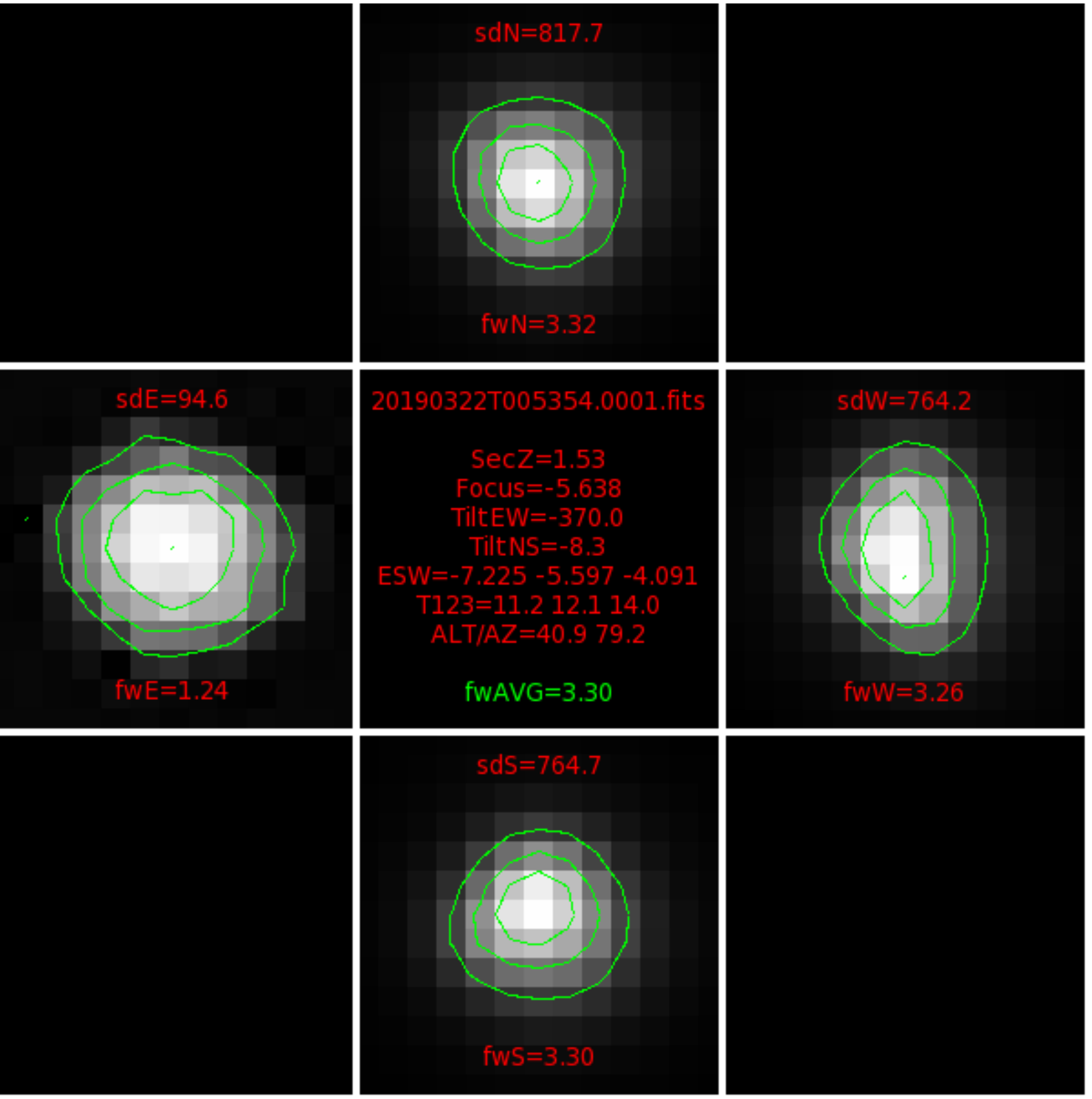
sdN=817.7
fwN=3.32
sdE=94.6
fwE=1.24
20190322T005354.0001.fits
SecZ=1.53
Focus=-5.638
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.225 -5.597 -4.091
T123=11.2 12.1 14.0
ALT/AZ=40.9 79.2
fwAVG=3.30
sdW=764.2
fwW=3.26
sdS=764.7
fwS=3.30
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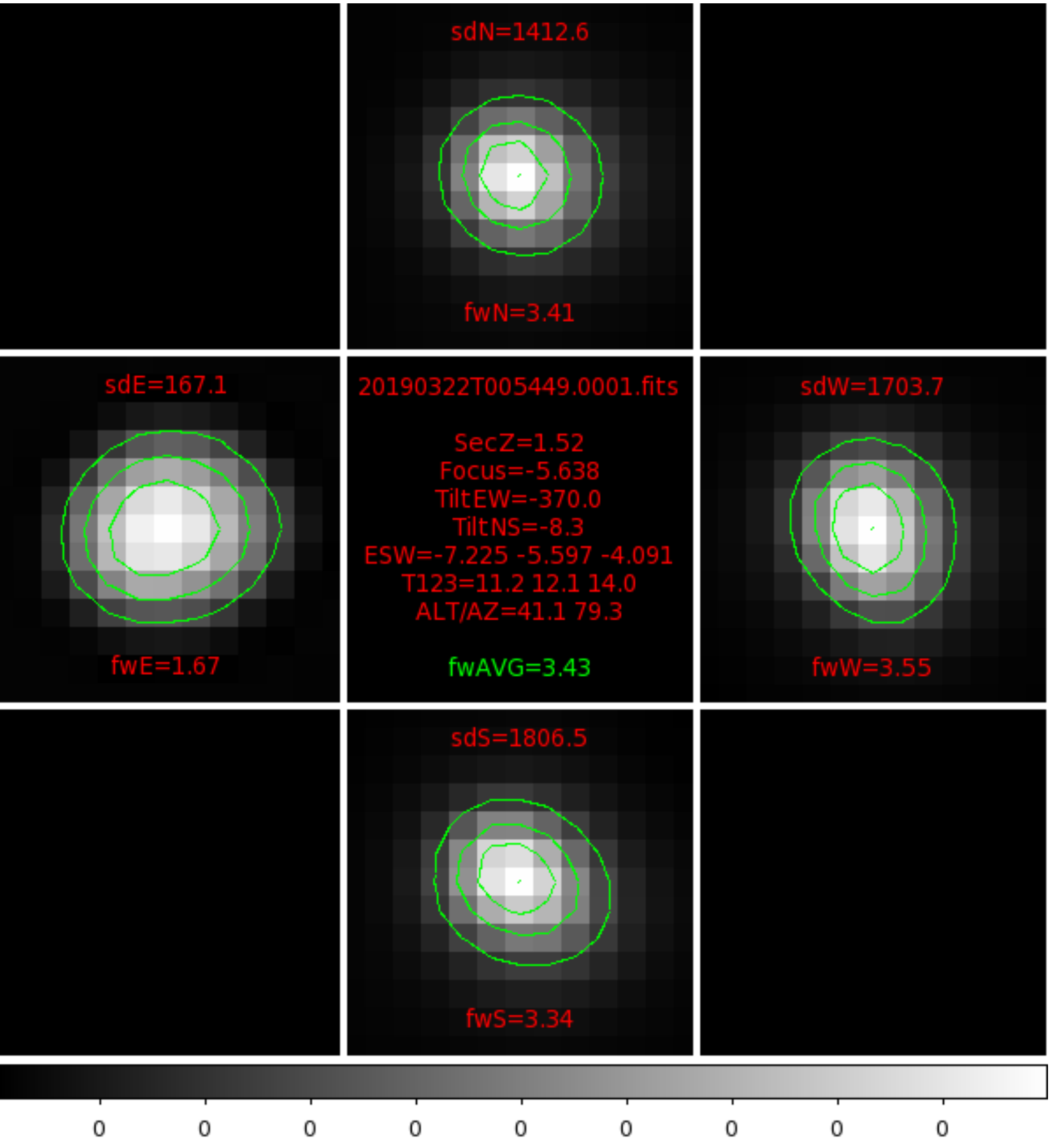
sdN=1412.6
fwN=3.41
sdE=167.1
fwE=1.67
20190322T005449.0001.fits
SecZ=1.52
Focus=-5.638
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.225 -5.597 -4.091
T123=11.2 12.1 14.0
ALT/AZ=41.1 79.3
fwAVG=3.43
sdW=1703.7
fwW=3.55
sdS=1806.5
fwS=3.34
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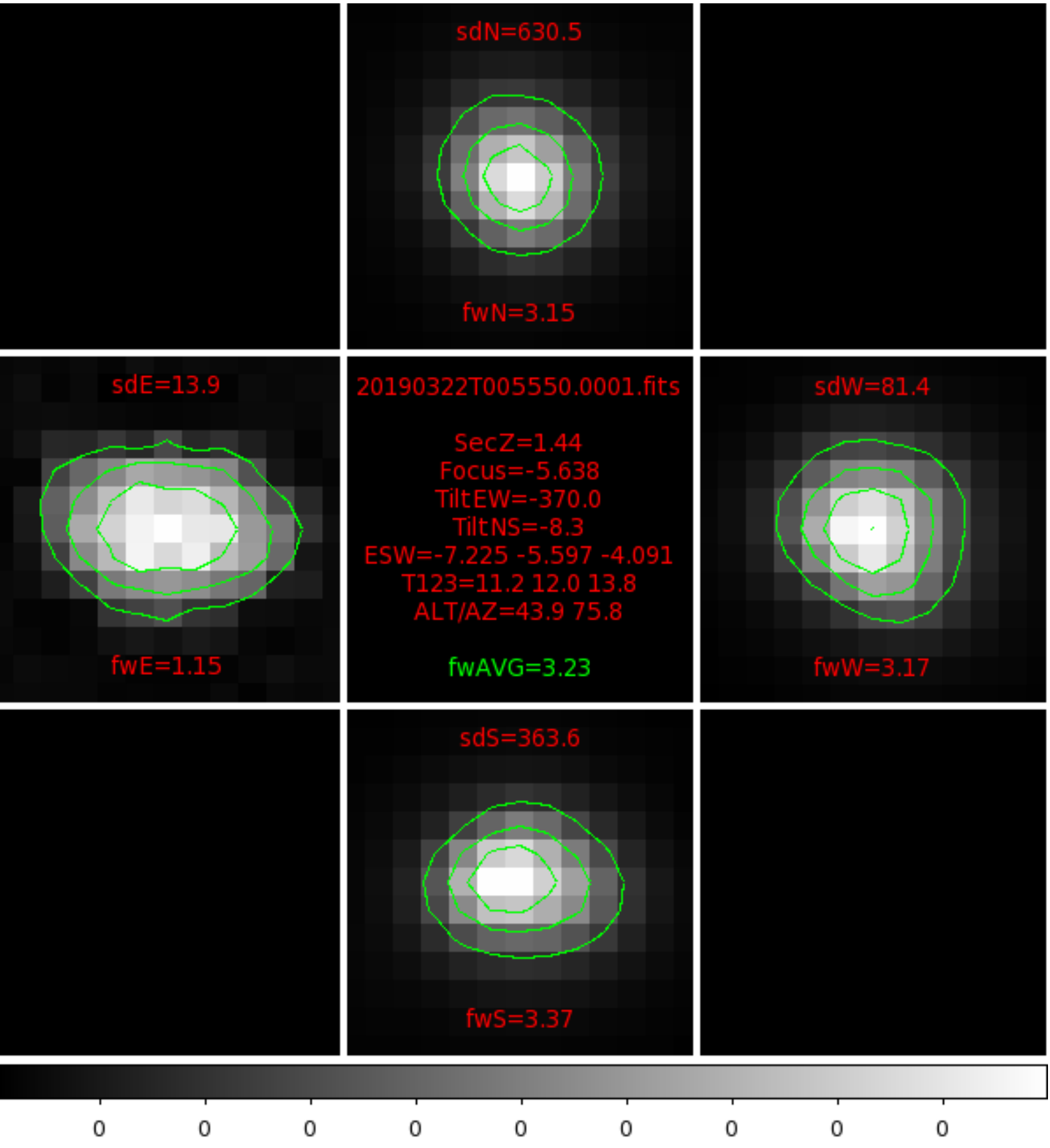
sdN=630.5
fwN=3.15
sdE=13.9
fwE=1.15
20190322T005550.0001.fits
SecZ=1.44
Focus=-5.638
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.225 -5.597 -4.091
T123=11.2 12.0 13.8
ALT/AZ=43.9 75.8
fwAVG=3.23
sdW=81.4
fwW=3.17
sdS=363.6
fwS=3.37
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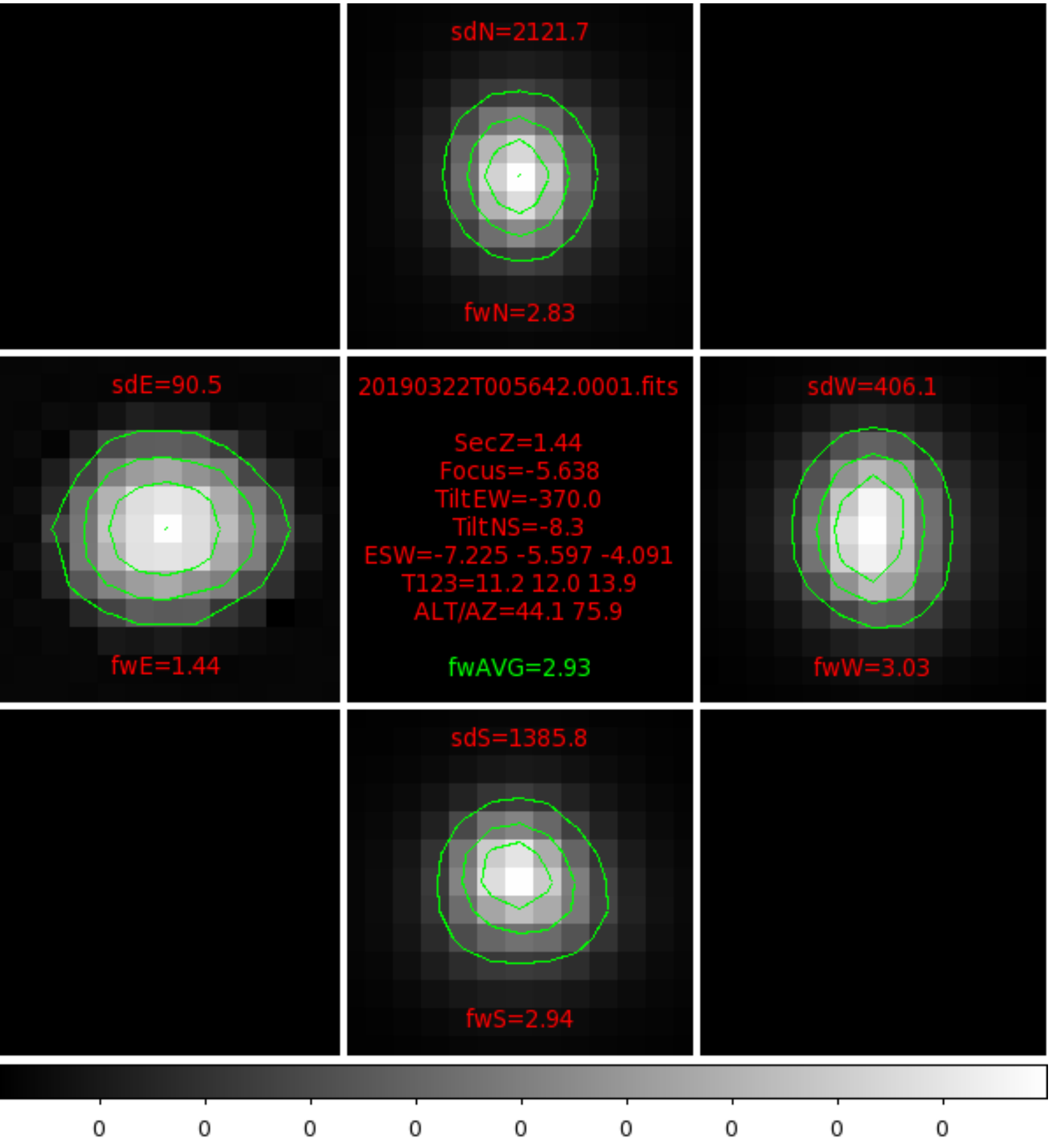
sdN=2121.7
fwN=2.83
sdE=90.5
fwE=1.44
20190322T005642.0001.fits
SecZ=1.44
Focus=-5.638
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.225 -5.597 -4.091
T123=11.2 12.0 13.9
ALT/AZ=44.1 75.9
fwAVG=2.93
sdW=406.1
fwW=3.03
sdS=1385.8
fwS=2.94
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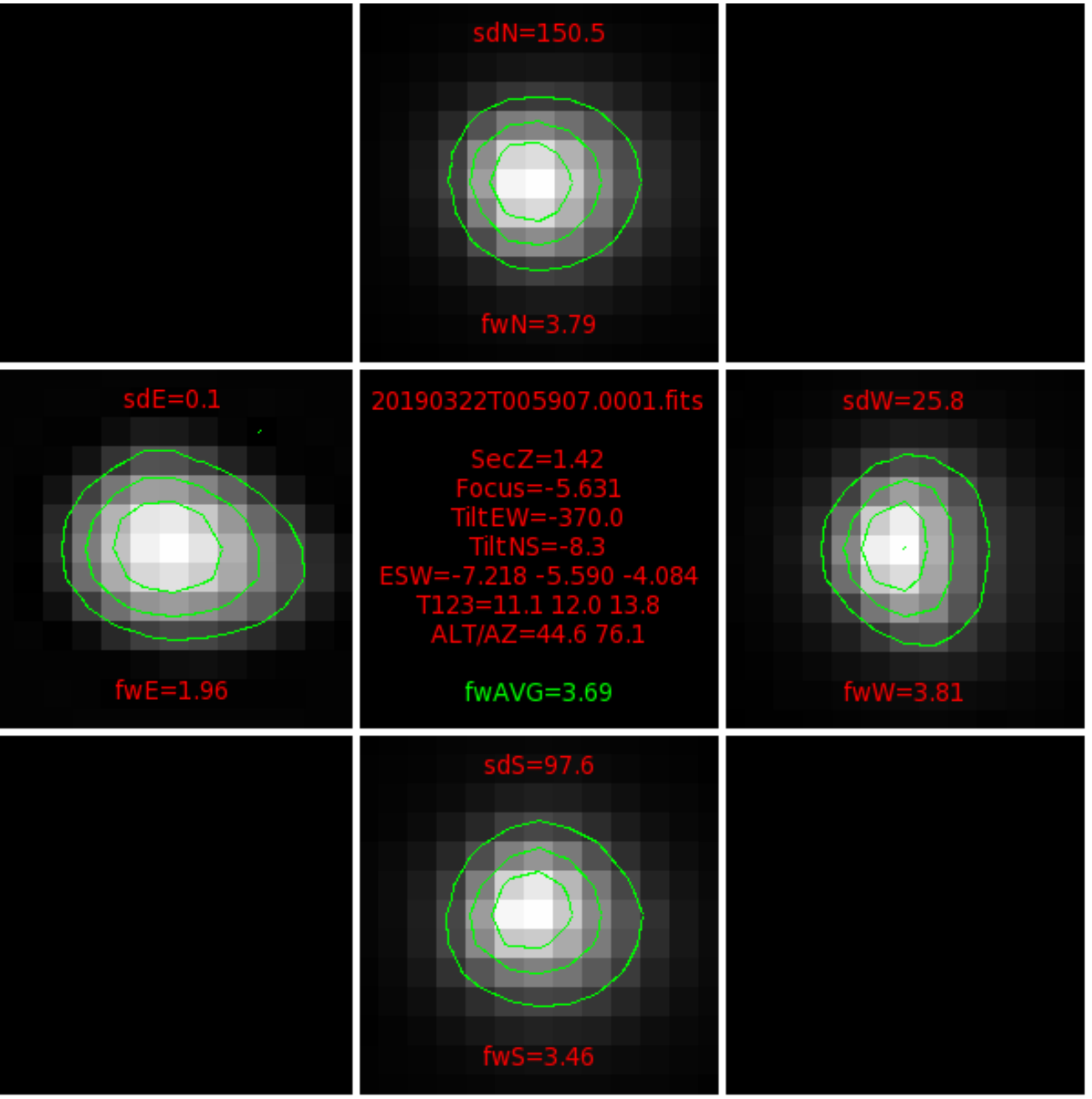
sdN=150.5
fwN=3.79
sdE=0.1
fwE=1.96
20190322T005907.0001.fits
SecZ=1.42
Focus=-5.631
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.218 -5.590 -4.084
T123=11.1 12.0 13.8
ALT/AZ=44.6 76.1
fwAVG=3.69
sdW=25.8
fwW=3.81
sdS=97.6
fwS=3.46
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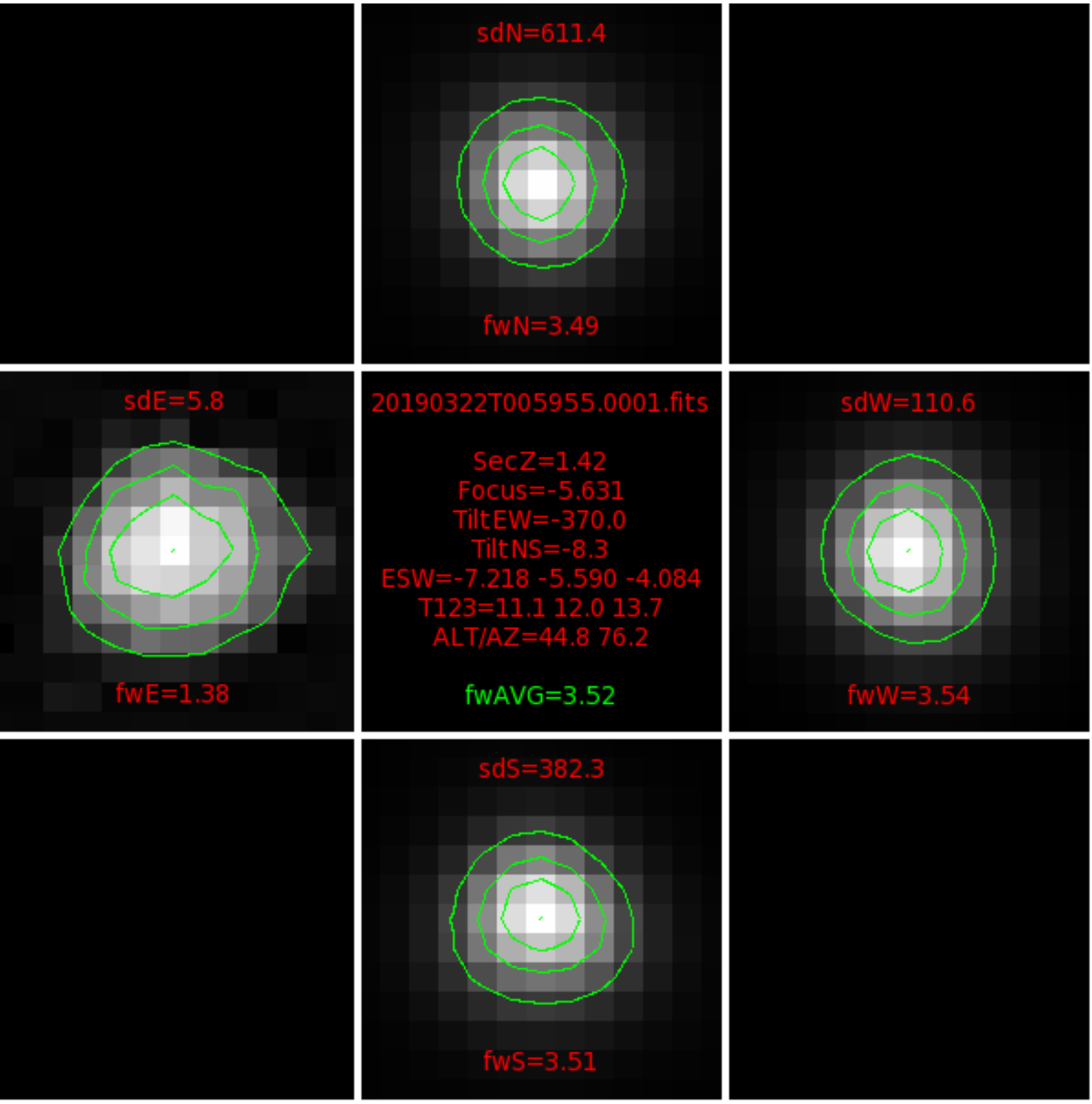
sdN=611.4
fwN=3.49
sdE=5.8
fwE=1.38
20190322T005955.0001.fits
SecZ=1.42
Focus=-5.631
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.218 -5.590 -4.084
T123=11.1 12.0 13.7
ALT/AZ=44.8 76.2
fwAVG=3.52
sdW=110.6
fwW=3.54
sdS=382.3
fwS=3.51
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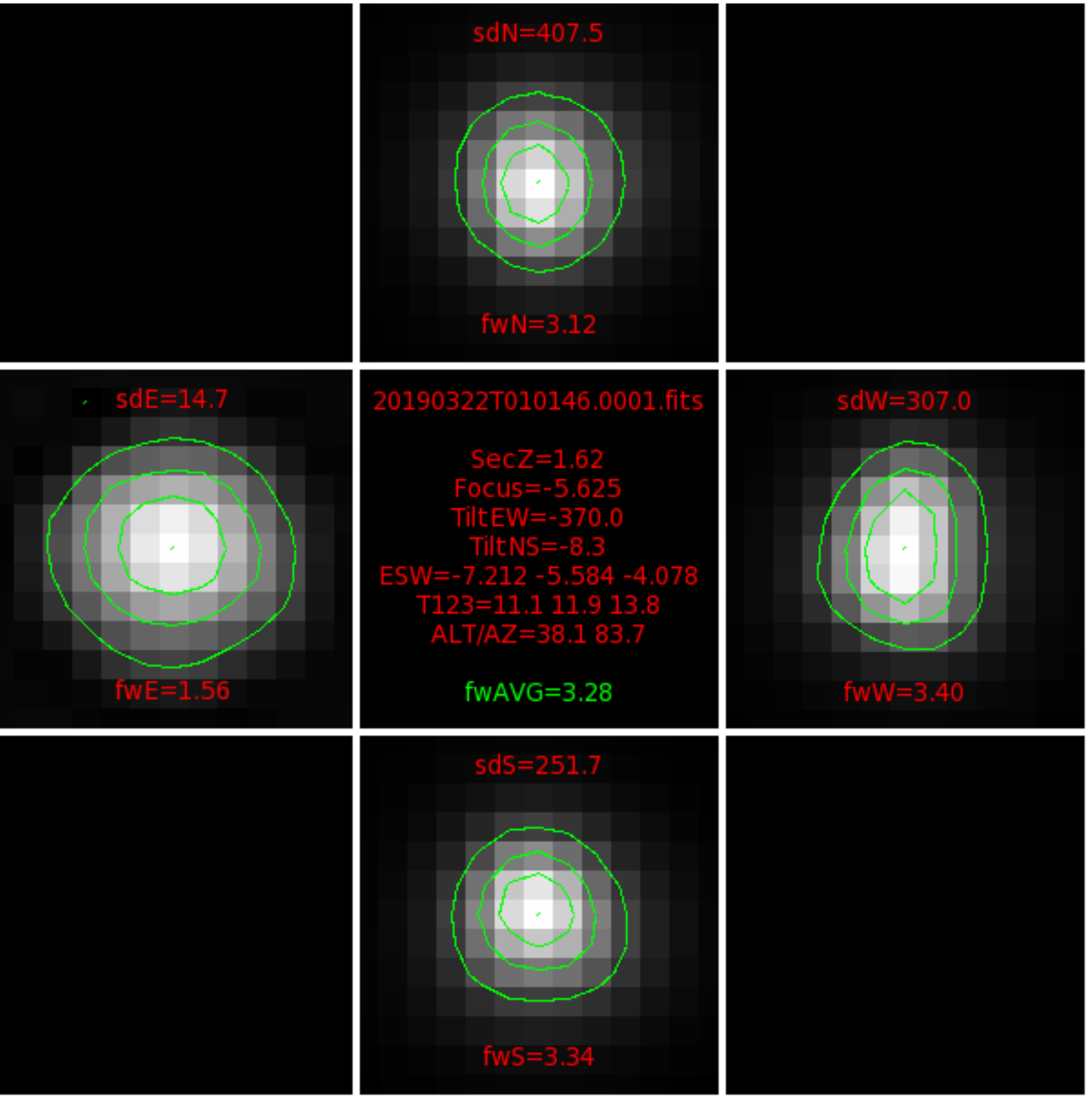
sdN=407.5
fwN=3.12
sdE=14.7
fwE=1.56
20190322T010146.0001.fits
SecZ=1.62
Focus=-5.625
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.212 -5.584 -4.078
T123=11.1 11.9 13.8
ALT/AZ=38.1 83.7
fwAVG=3.28
sdW=307.0
fwW=3.40
sdS=251.7
fwS=3.34
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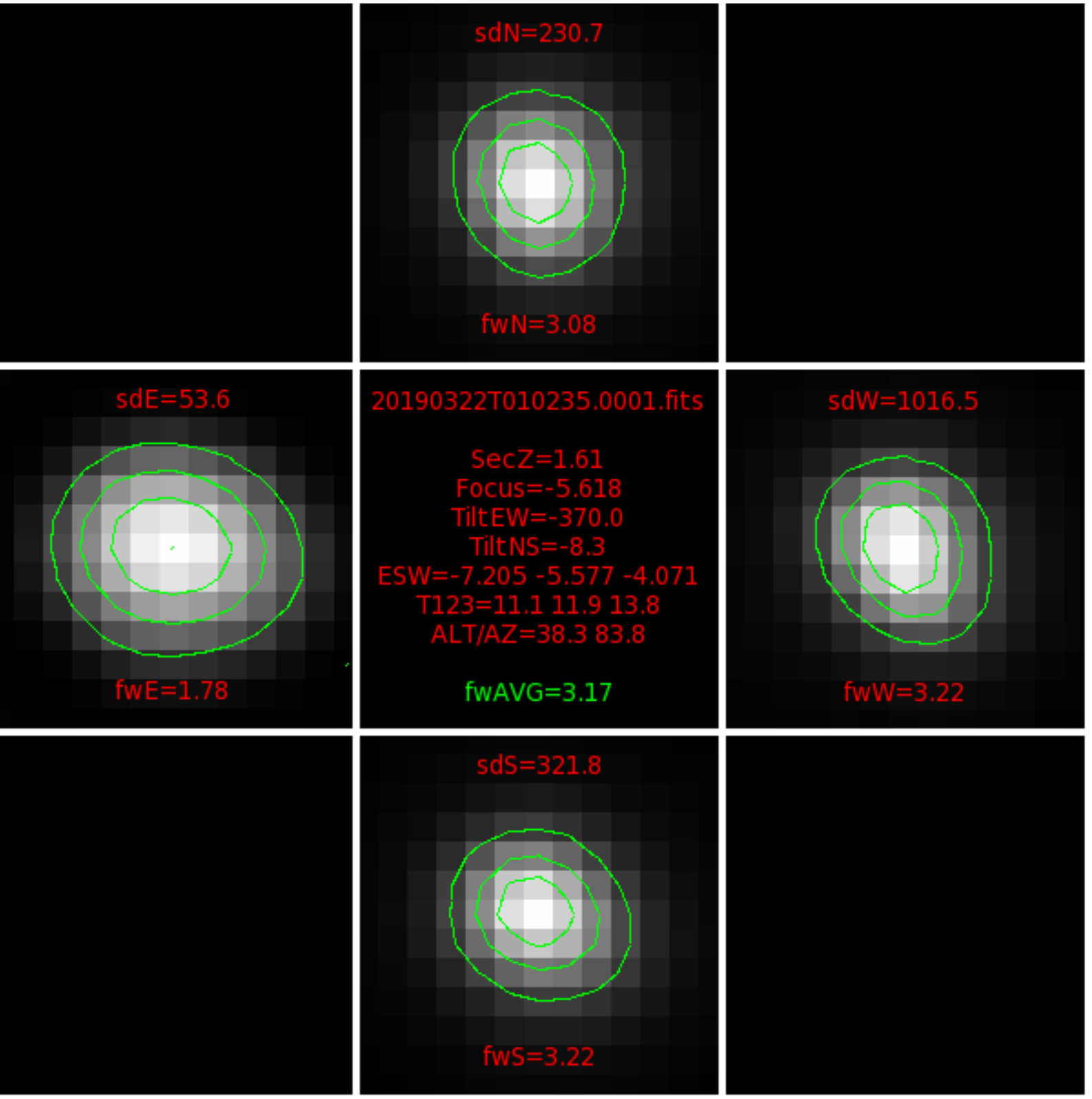
sdN=230.7
fwN=3.08
sdE=53.6
fwE=1.78
20190322T010235.0001.fits
SecZ=1.61
Focus=-5.618
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.205 -5.577 -4.071
T123=11.1 11.9 13.8
ALT/AZ=38.3 83.8
fwAVG=3.17
sdW=1016.5
fwW=3.22
sdS=321.8
fwS=3.22
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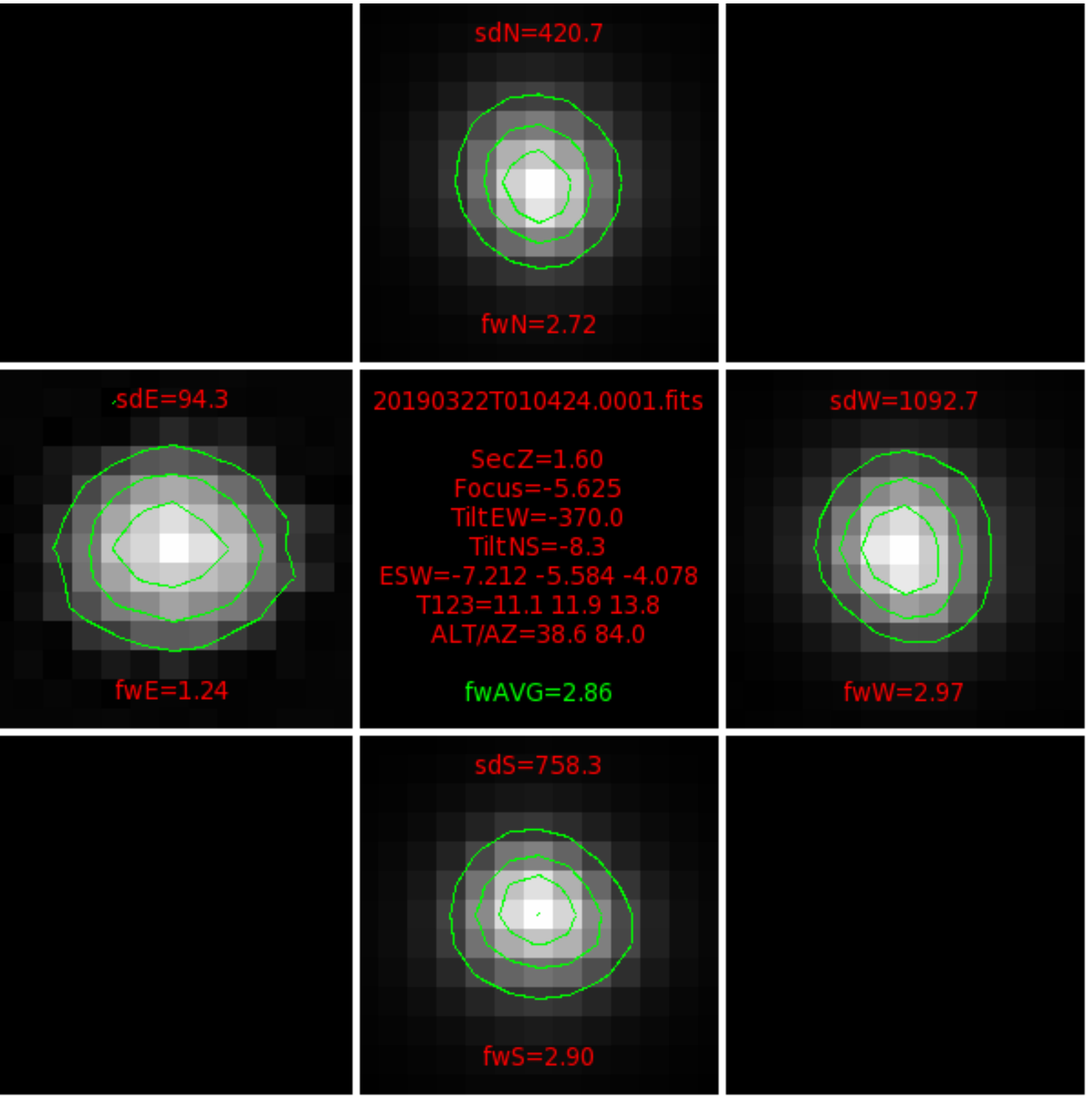
sdN=420.7
fwN=2.72
sdE=94.3
fwE=1.24
20190322T010424.0001.fits
SecZ=1.60
Focus=-5.625
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.212 -5.584 -4.078
T123=11.1 11.9 13.8
ALT/AZ=38.6 84.0
fwAVG=2.86
sdW=1092.7
fwW=2.97
sdS=758.3
fwS=2.90
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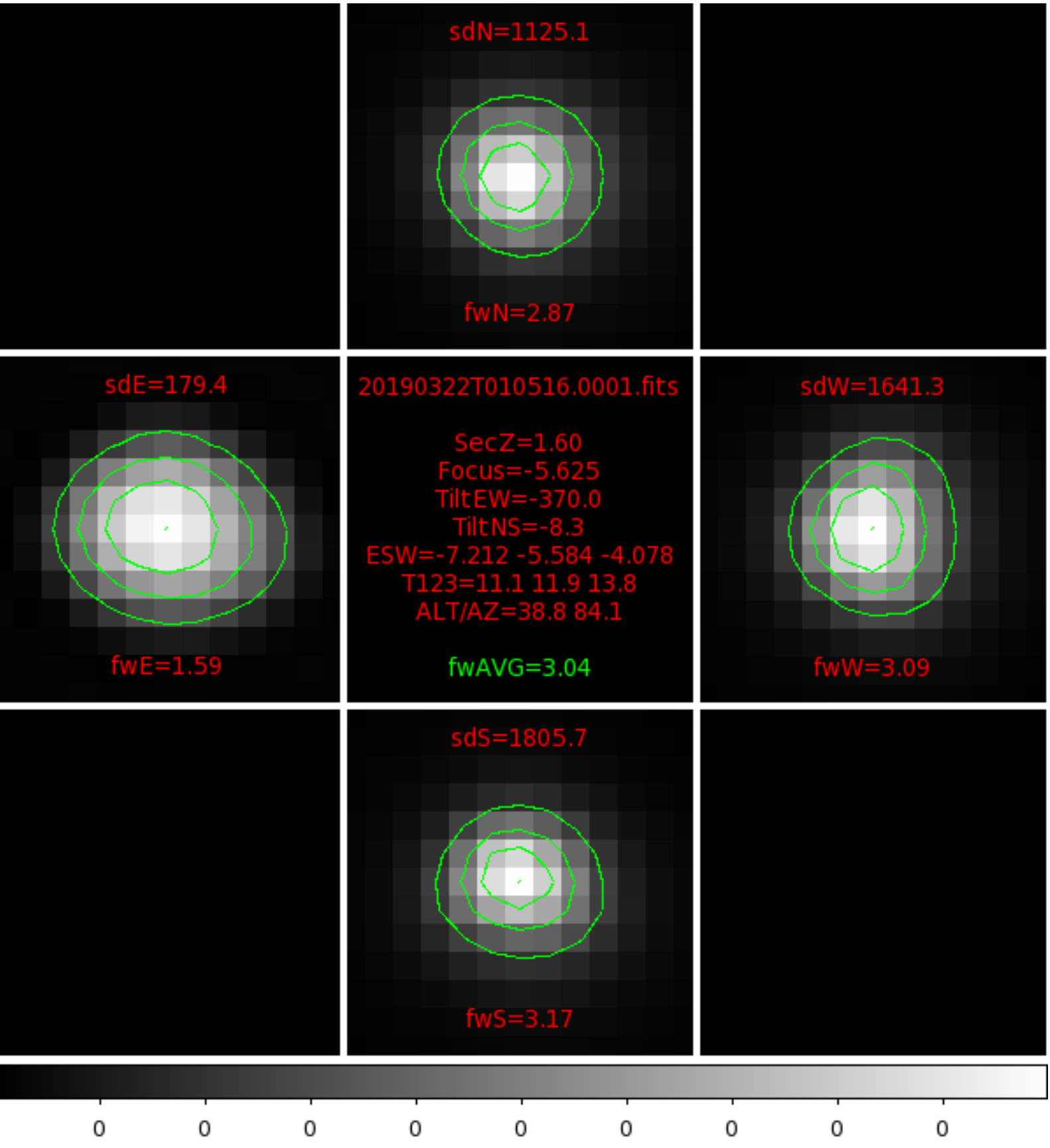
sdN=1125.1
fwN=2.87
sdE=179.4
fwE=1.59
20190322T010516.0001.fits
SecZ=1.60
Focus=-5.625
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.212 -5.584 -4.078
T123=11.1 11.9 13.8
ALT/AZ=38.8 84.1
fwAVG=3.04
sdW=1641.3
fwW=3.09
sdS=1805.7
fwS=3.17
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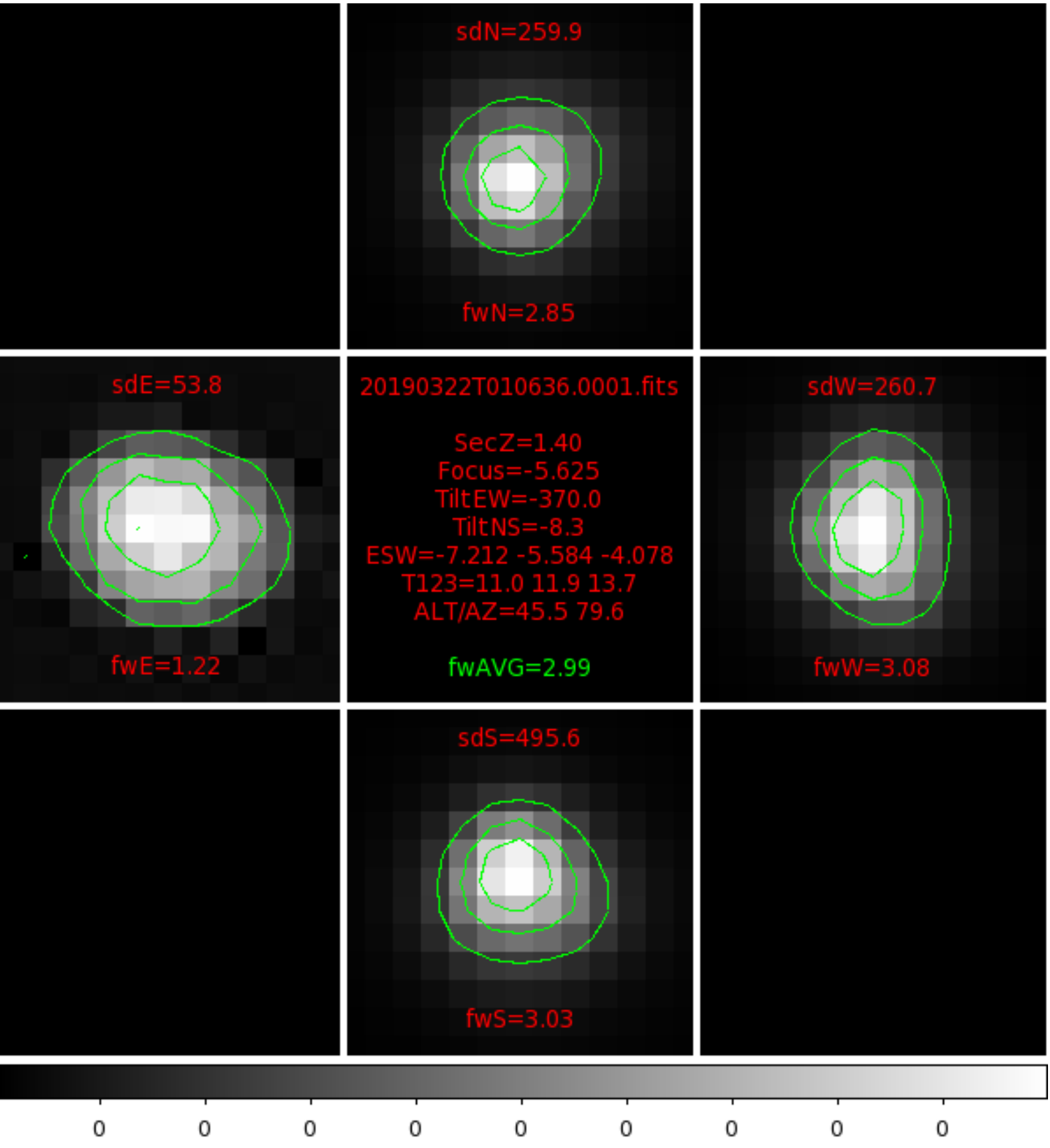
sdN=259.9
fwN=2.85
sdE=53.8
fwE=1.22
20190322T010636.0001.fits
SecZ=1.40
Focus=-5.625
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.212 -5.584 -4.078
T123=11.0 11.9 13.7
ALT/AZ=45.5 79.6
fwAVG=2.99
sdW=260.7
fwW=3.08
sdS=495.6
fwS=3.03
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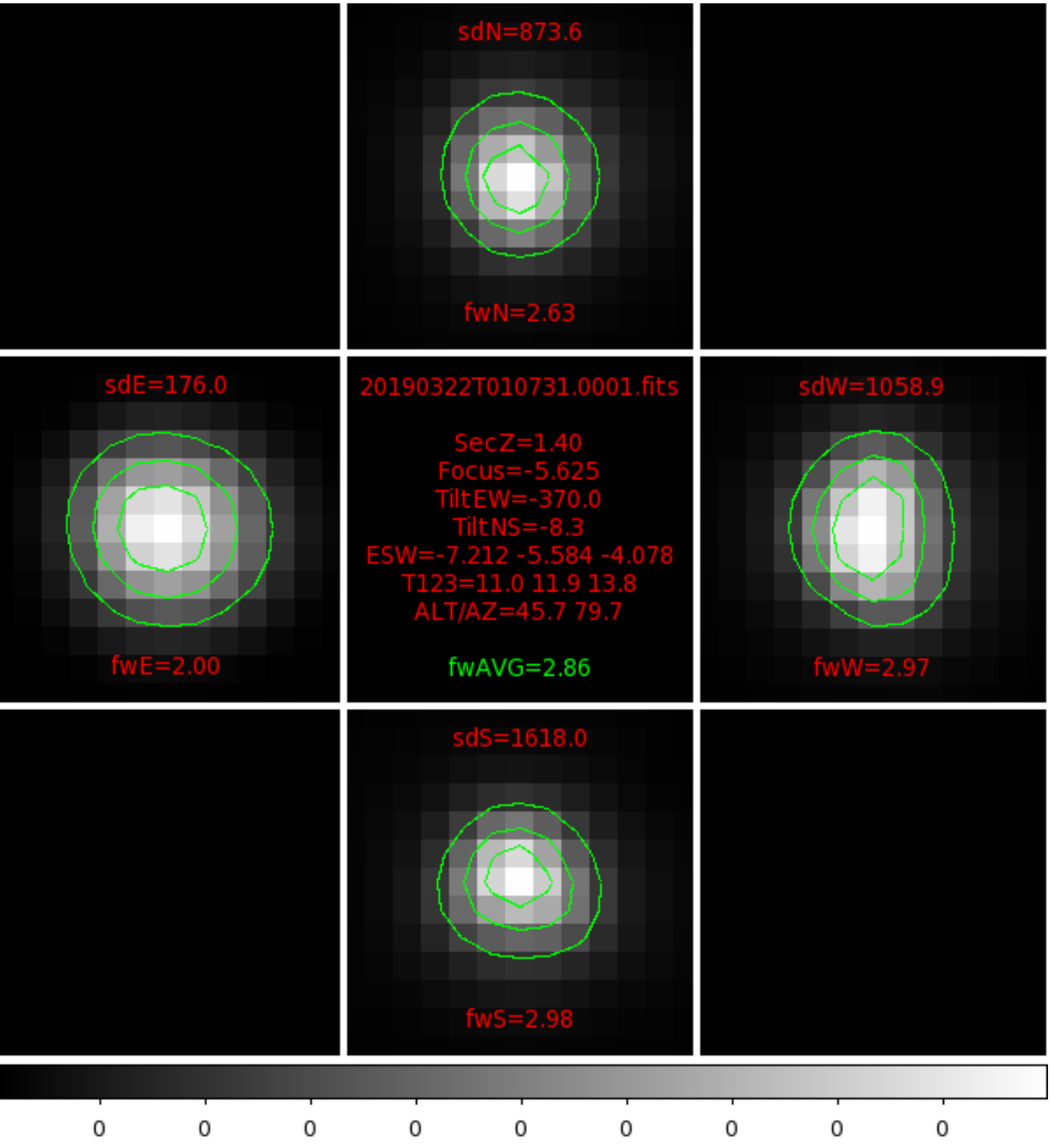
sdN=873.6
fwN=2.63
sdE=176.0
fwE=2.00
20190322T010731.0001.fits
SecZ=1.40
Focus=-5.625
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.212 -5.584 -4.078
T123=11.0 11.9 13.8
ALT/AZ=45.7 79.7
fwAVG=2.86
sdW=1058.9
fwW=2.97
sdS=1618.0
fwS=2.98
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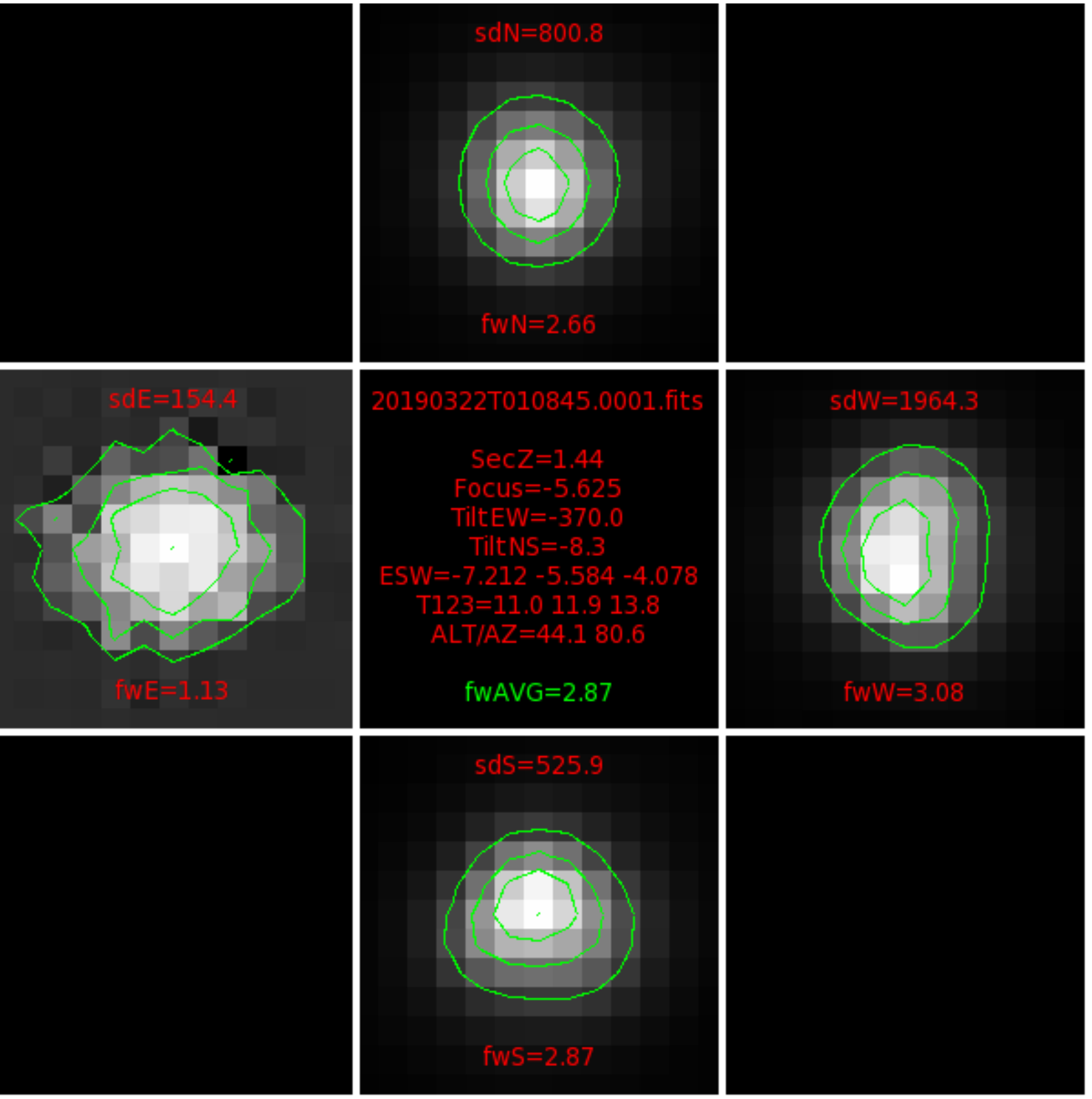
sdN=800.8
fwN=2.66
sdE=154.4
fwE=1.13
20190322T010845.0001.fits
SecZ=1.44
Focus=-5.625
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.212 -5.584 -4.078
T123=11.0 11.9 13.8
ALT/AZ=44.1 80.6
fwAVG=2.87
sdW=1964.3
fwW=3.08
sdS=525.9
fwS=2.87
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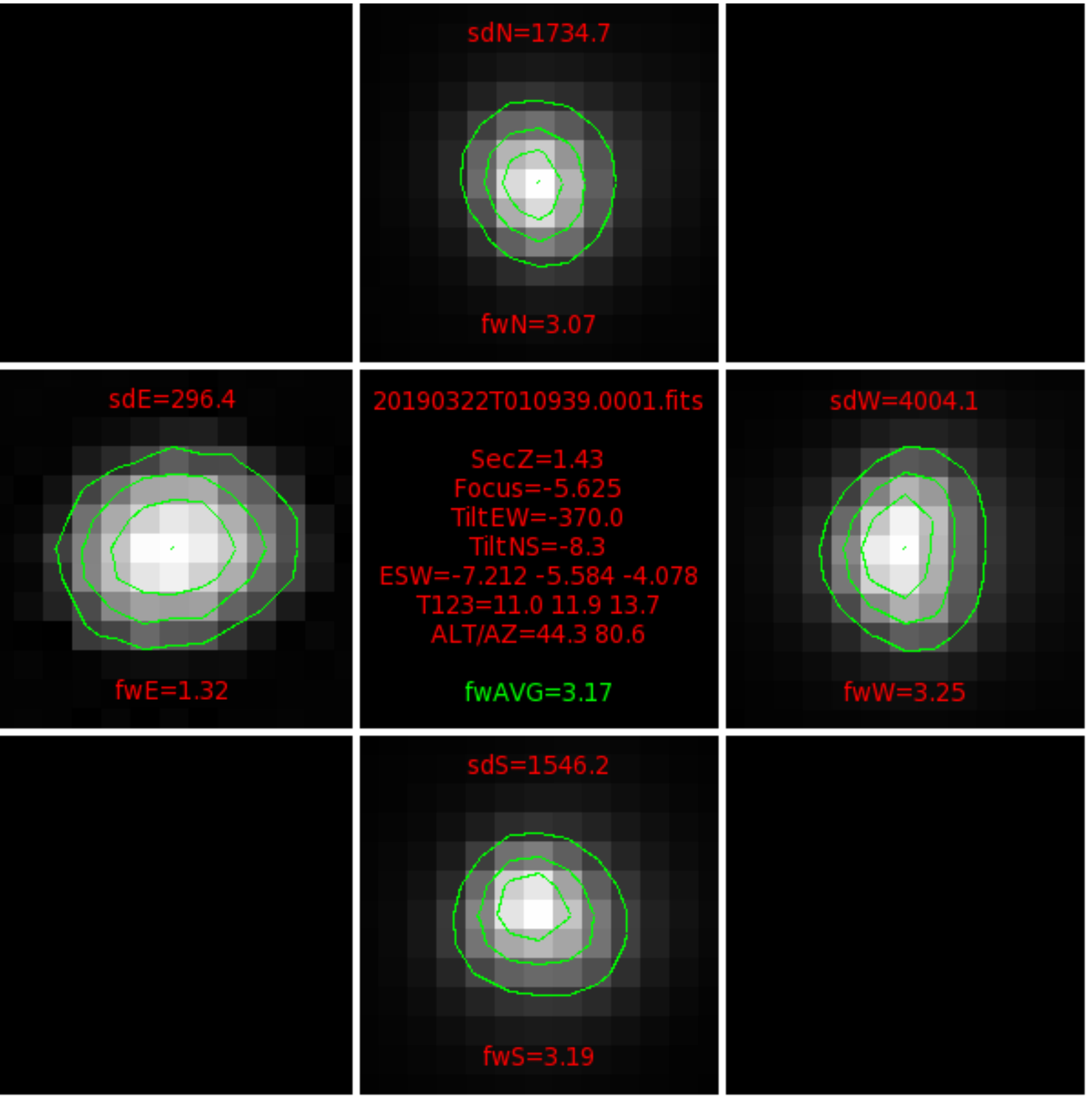
sdN=1734.7
fwN=3.07
sdE=296.4
fwE=1.32
20190322T010939.0001.fits
SecZ=1.43
Focus=-5.625
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.212 -5.584 -4.078
T123=11.0 11.9 13.7
ALT/AZ=44.3 80.6
fwAVG=3.17
sdW=4004.1
fwW=3.25
sdS=1546.2
fwS=3.19
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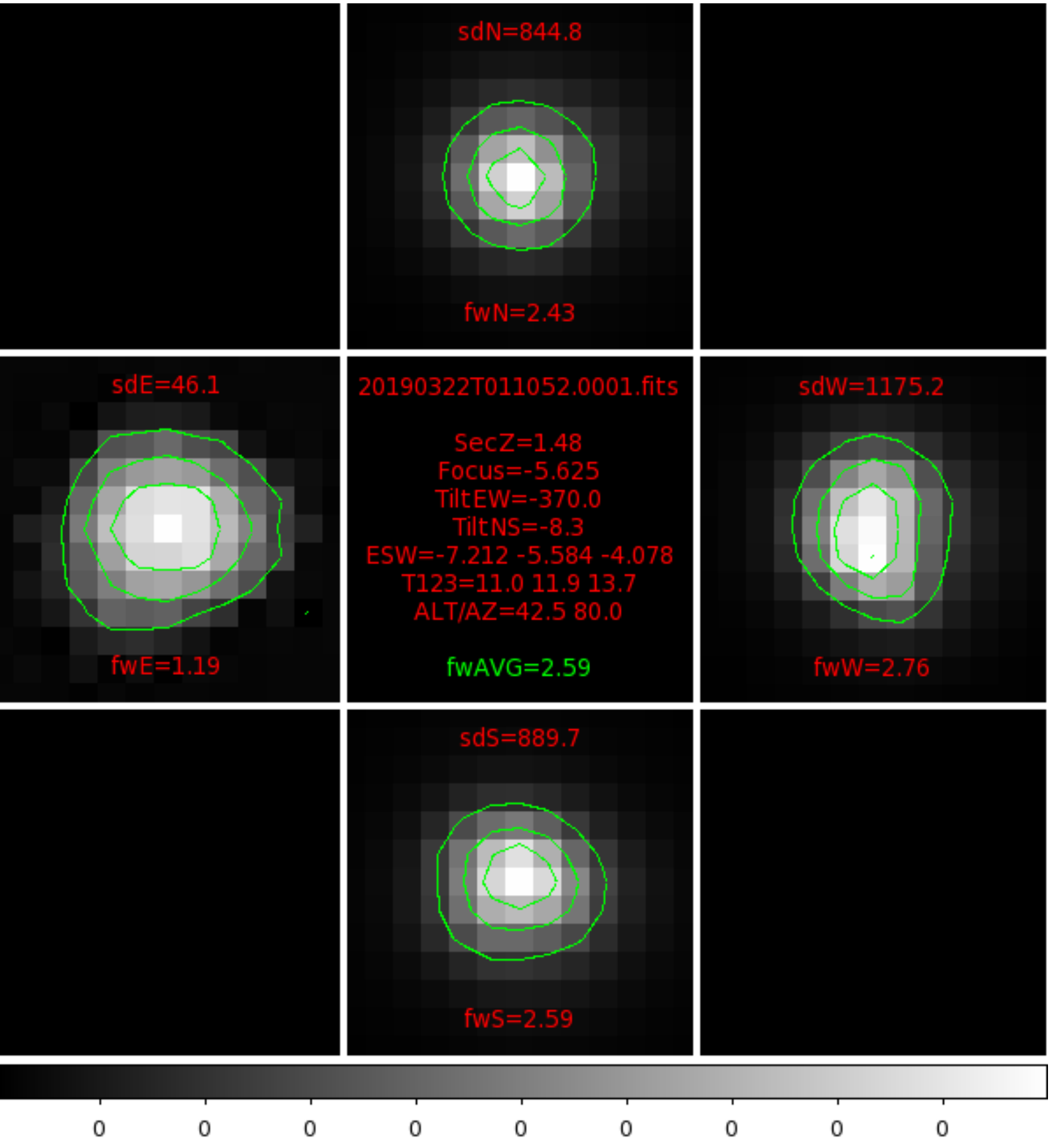
sdN=844.8
fwN=2.43
sdE=46.1
fwE=1.19
20190322T011052.0001.fits
SecZ=1.48
Focus=-5.625
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.212 -5.584 -4.078
T123=11.0 11.9 13.7
ALT/AZ=42.5 80.0
fwAVG=2.59
sdW=1175.2
fwW=2.76
sdS=889.7
fwS=2.59
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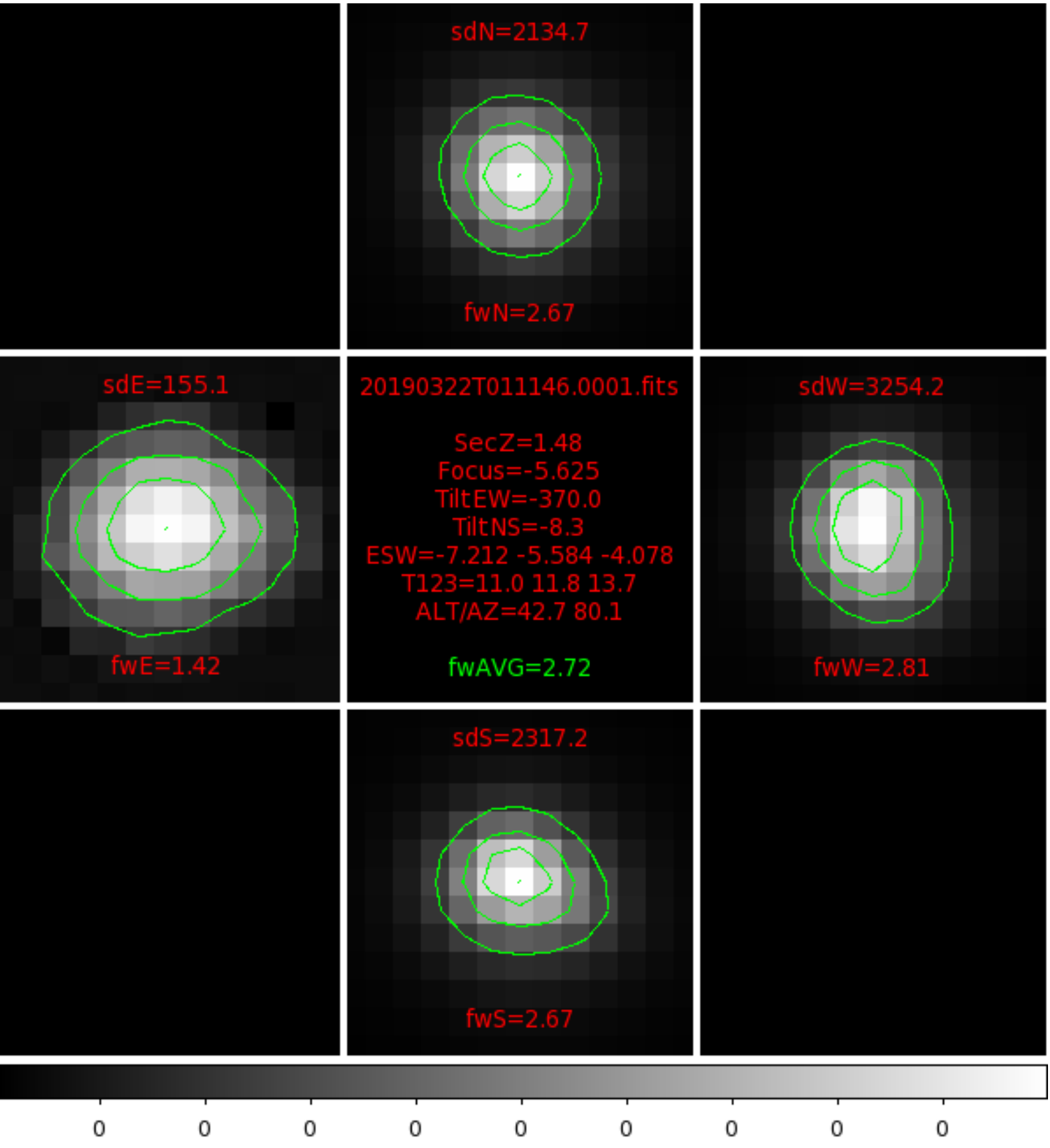
sdN=2134.7
fwN=2.67
sdE=155.1
fwE=1.42
20190322T011146.0001.fits
SecZ=1.48
Focus=-5.625
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.212 -5.584 -4.078
T123=11.0 11.8 13.7
ALT/AZ=42.7 80.1
fwAVG=2.72
sdW=3254.2
fwW=2.81
sdS=2317.2
fwS=2.67
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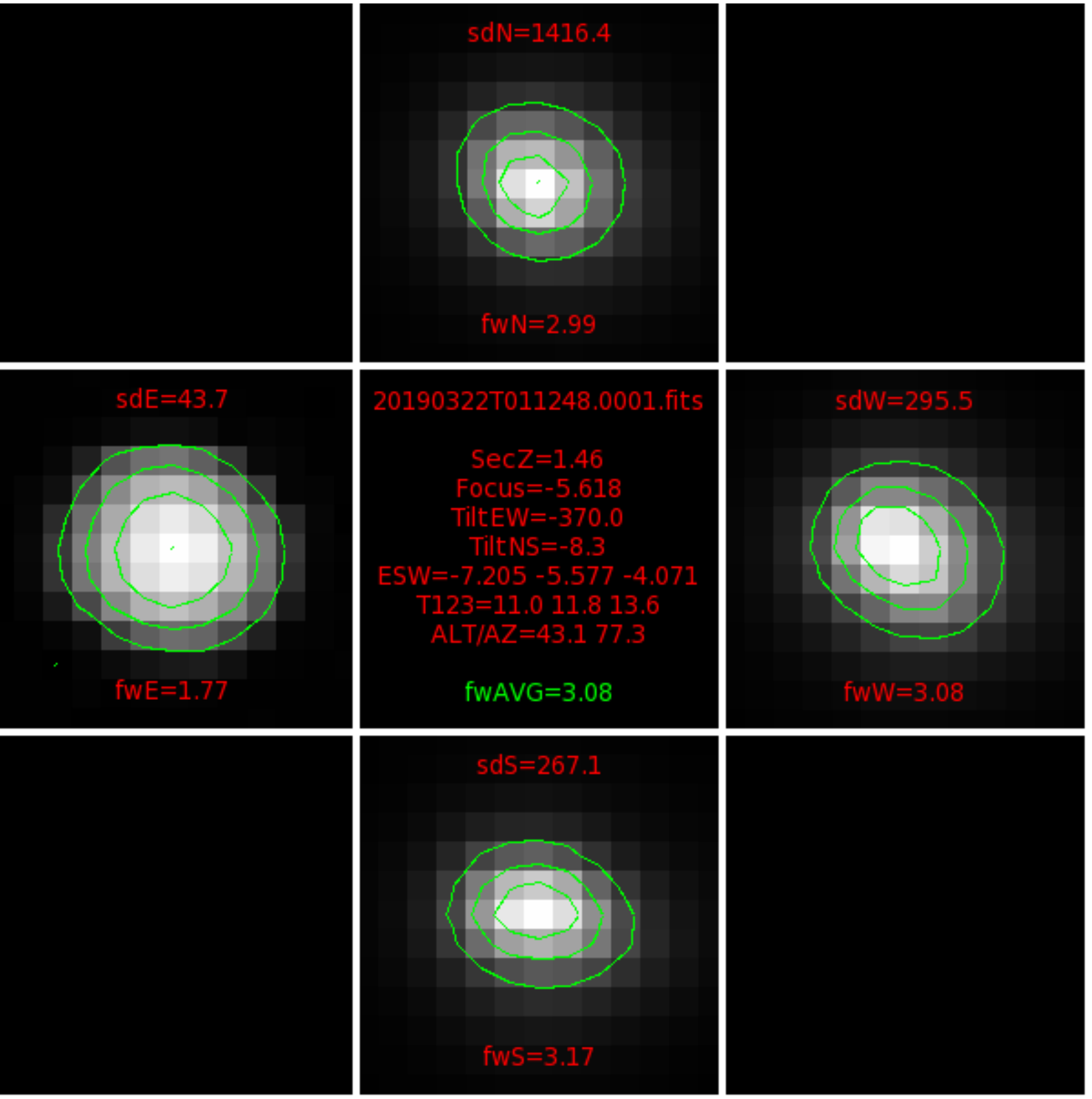
sdN=1416.4
fwN=2.99
sdE=43.7
fwE=1.77
20190322T011248.0001.fits
SecZ=1.46
Focus=-5.618
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.205 -5.577 -4.071
T123=11.0 11.8 13.6
ALT/AZ=43.1 77.3
fwAVG=3.08
sdW=295.5
fwW=3.08
sdS=267.1
fwS=3.17
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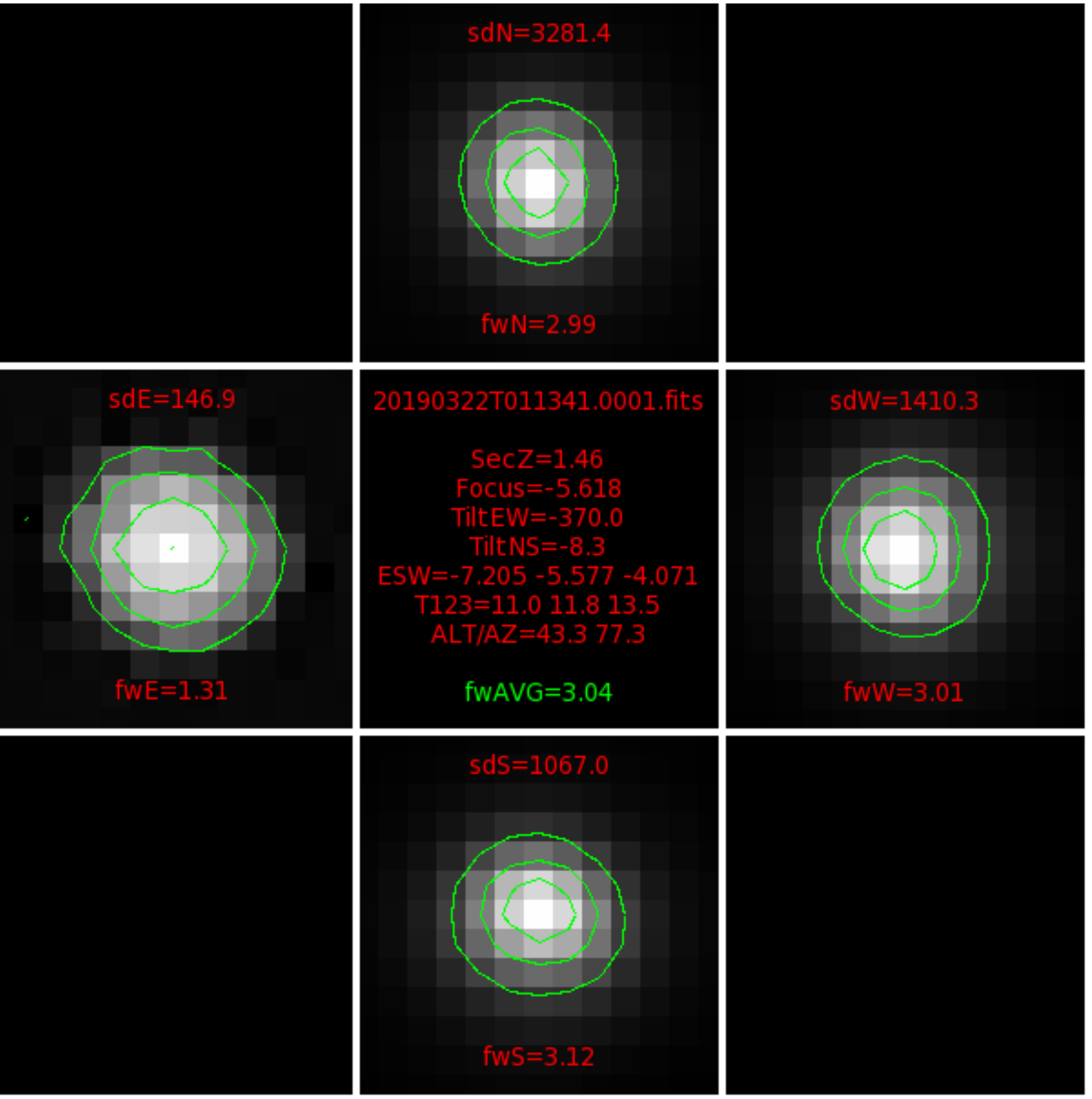
sdN=3281.4
fwN=2.99
sdE=146.9
fwE=1.31
20190322T011341.0001.fits
SecZ=1.46
Focus=-5.618
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.205 -5.577 -4.071
T123=11.0 11.8 13.5
ALT/AZ=43.3 77.3
fwAVG=3.04
sdW=1410.3
fwW=3.01
sdS=1067.0
fwS=3.12
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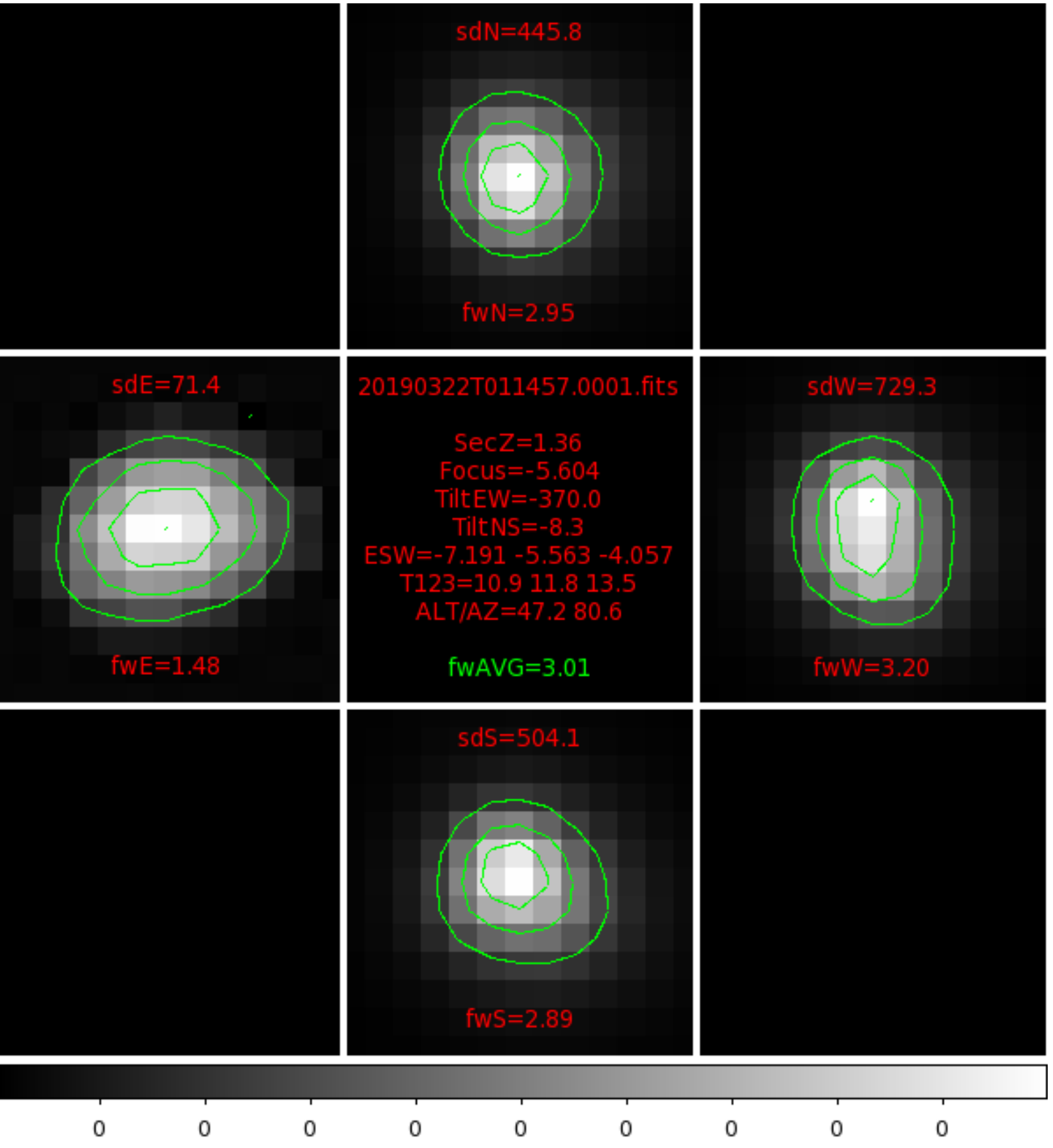
sdN=445.8
fwN=2.95
sdE=71.4
fwE=1.48
20190322T011457.0001.fits
SecZ=1.36
Focus=-5.604
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.191 -5.563 -4.057
T123=10.9 11.8 13.5
ALT/AZ=47.2 80.6
fwAVG=3.01
sdW=729.3
fwW=3.20
sdS=504.1
fwS=2.89
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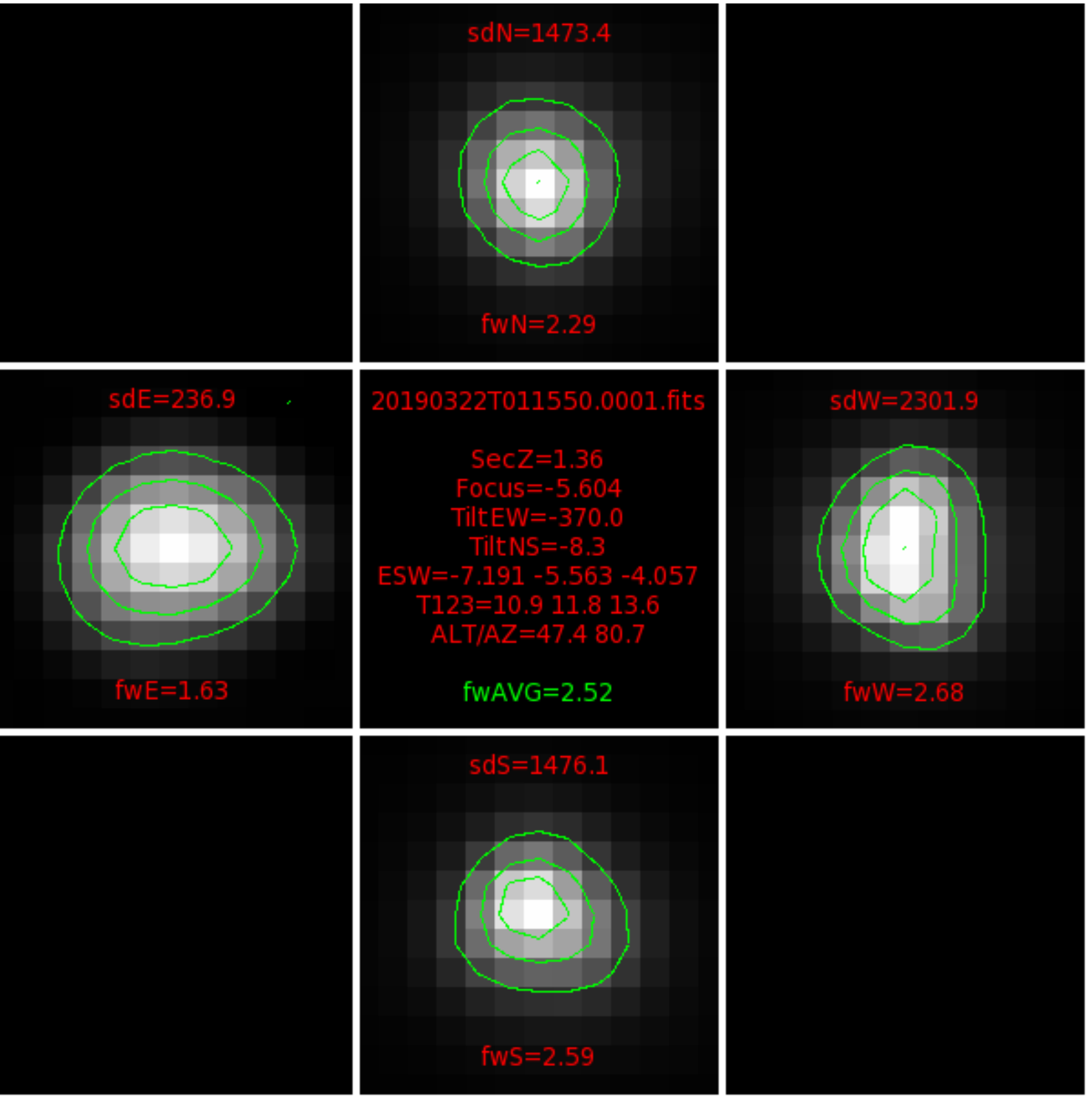
sdN=1473.4
fwN=2.29
sdE=236.9
fwE=1.63
20190322T011550.0001.fits
SecZ=1.36
Focus=-5.604
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.191 -5.563 -4.057
T123=10.9 11.8 13.6
ALT/AZ=47.4 80.7
fwAVG=2.52
sdW=2301.9
fwW=2.68
sdS=1476.1
fwS=2.59
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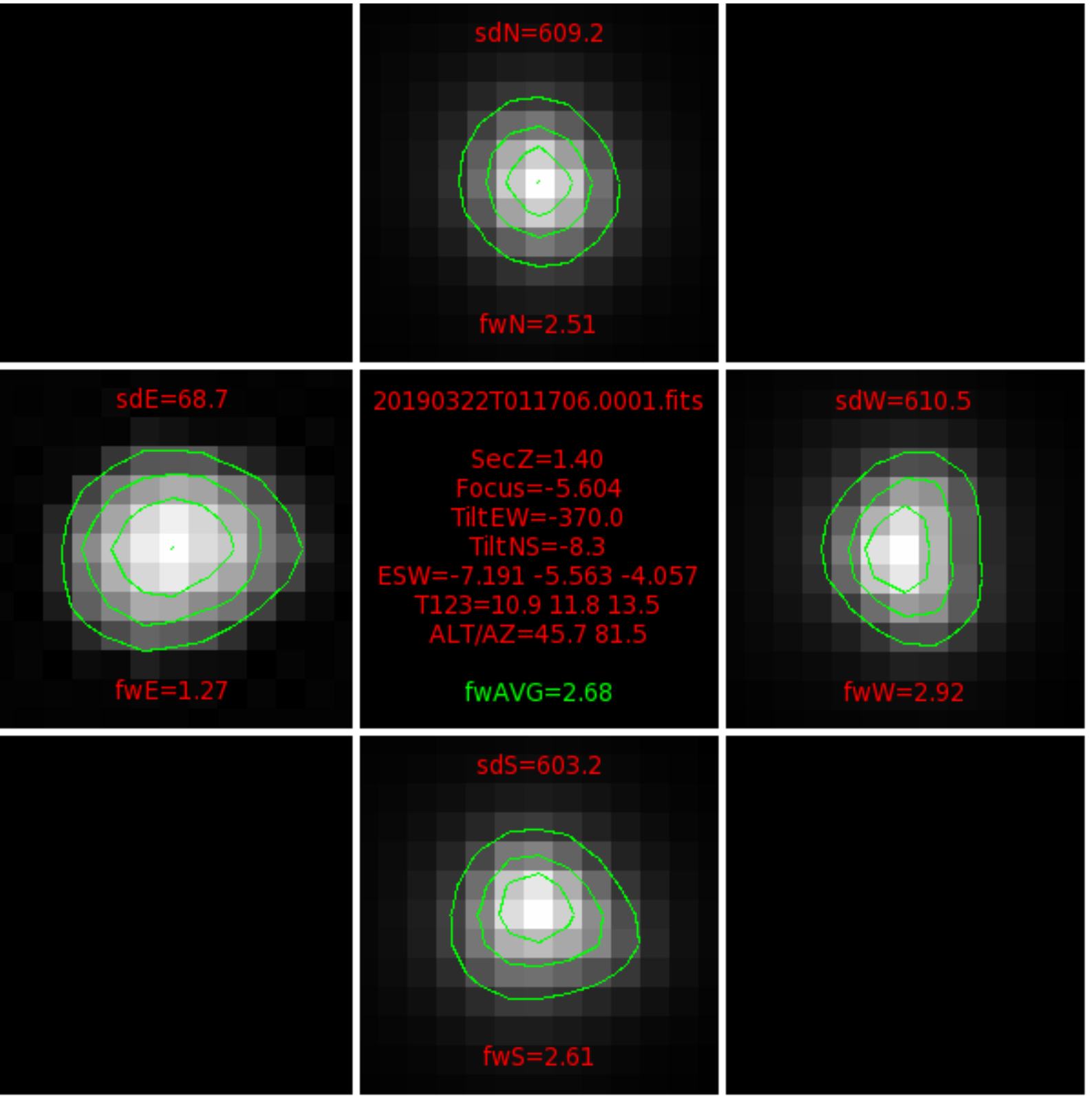
sdN=609.2
fwN=2.51
sdE=68.7
fwE=1.27
20190322T011706.0001.fits
SecZ=1.40
Focus=-5.604
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.191 -5.563 -4.057
T123=10.9 11.8 13.5
ALT/AZ=45.7 81.5
fwAVG=2.68
sdW=610.5
fwW=2.92
sdS=603.2
fwS=2.61
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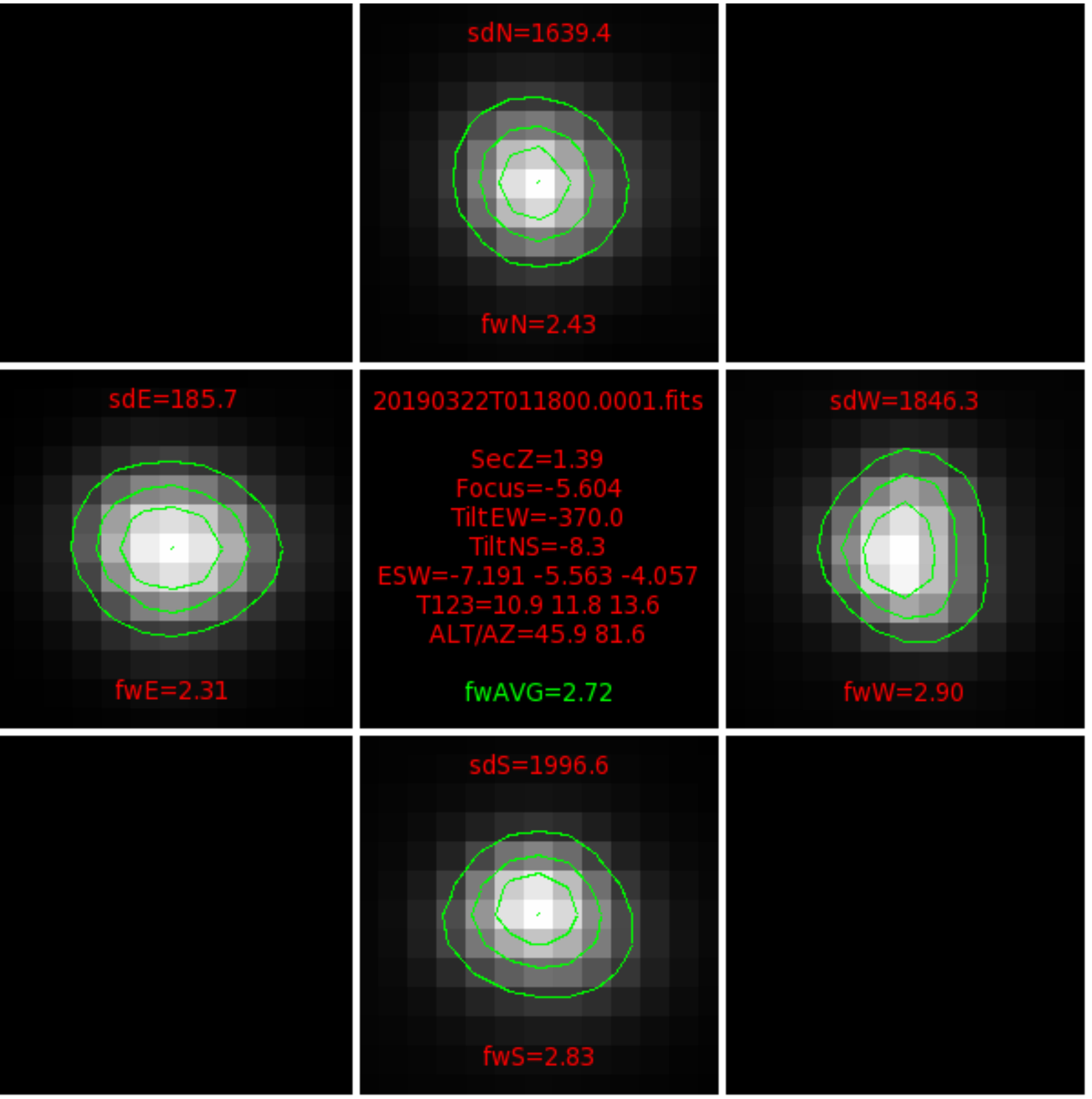
sdN=1639.4
fwN=2.43
sdE=185.7
fwE=2.31
20190322T011800.0001.fits
SecZ=1.39
Focus=-5.604
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.191 -5.563 -4.057
T123=10.9 11.8 13.6
ALT/AZ=45.9 81.6
fwAVG=2.72
sdW=1846.3
fwW=2.90
sdS=1996.6
fwS=2.83
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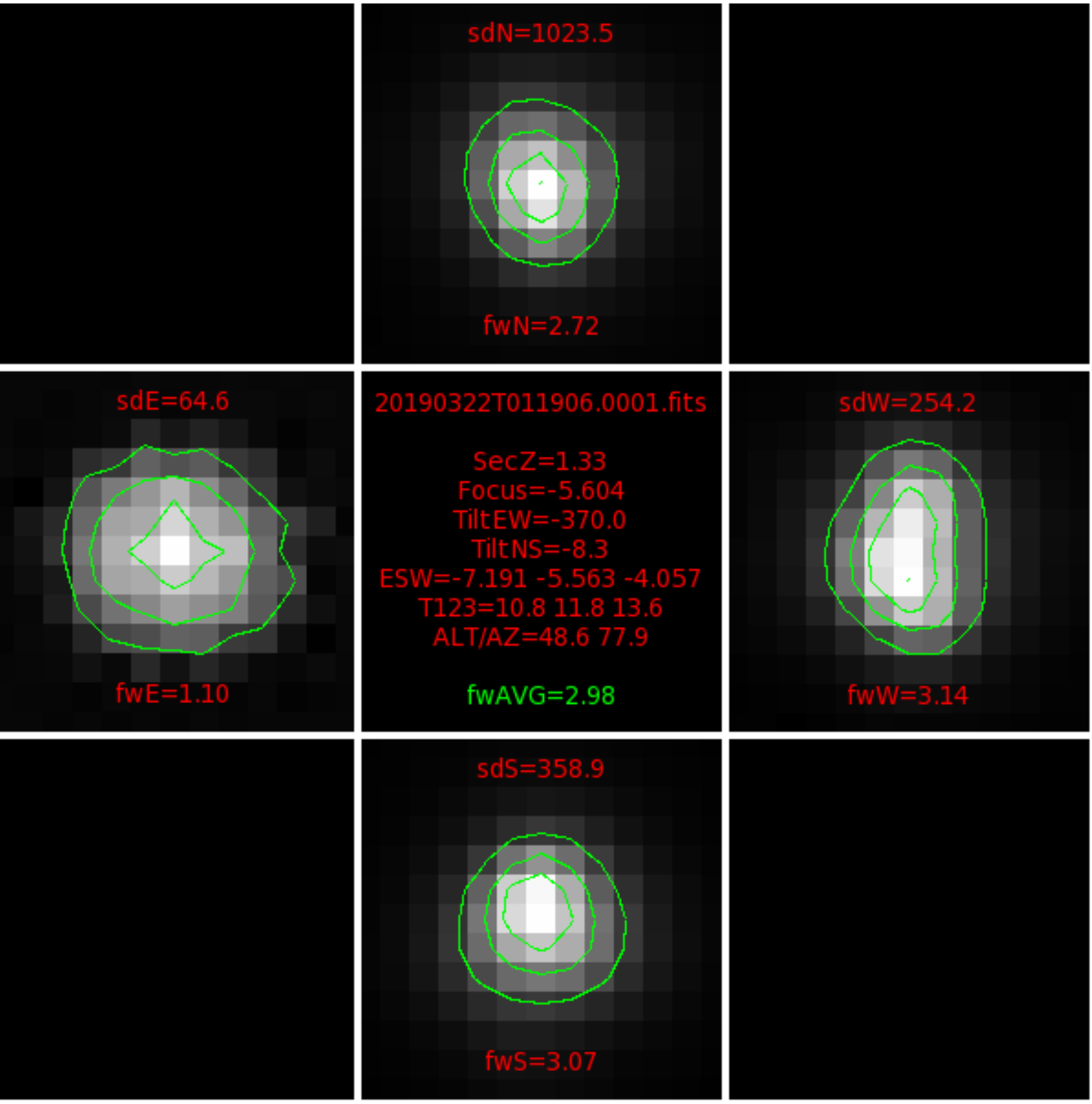
sdN=1023.5
fwN=2.72
sdE=64.6
fwE=1.10
20190322T011906.0001.fits
SecZ=1.33
Focus=-5.604
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.191 -5.563 -4.057
T123=10.8 11.8 13.6
ALT/AZ=48.6 77.9
fwAVG=2.98
sdW=254.2
fwW=3.14
sdS=358.9
fwS=3.07
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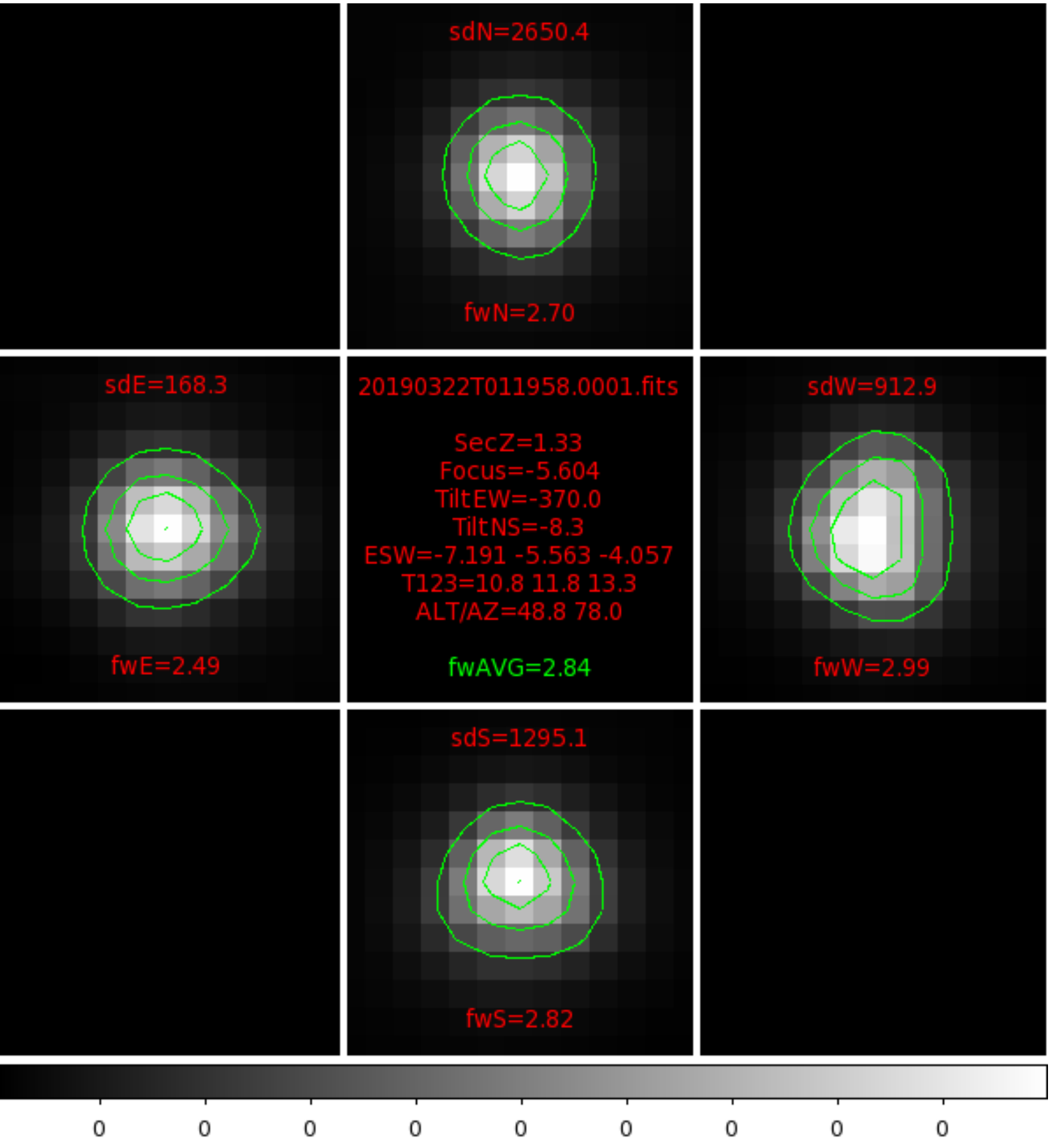
sdN=2650.4
fwN=2.70
sdE=168.3
fwE=2.49
20190322T011958.0001.fits
SecZ=1.33
Focus=-5.604
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.191 -5.563 -4.057
T123=10.8 11.8 13.3
ALT/AZ=48.8 78.0
fwAVG=2.84
sdW=912.9
fwW=2.99
sdS=1295.1
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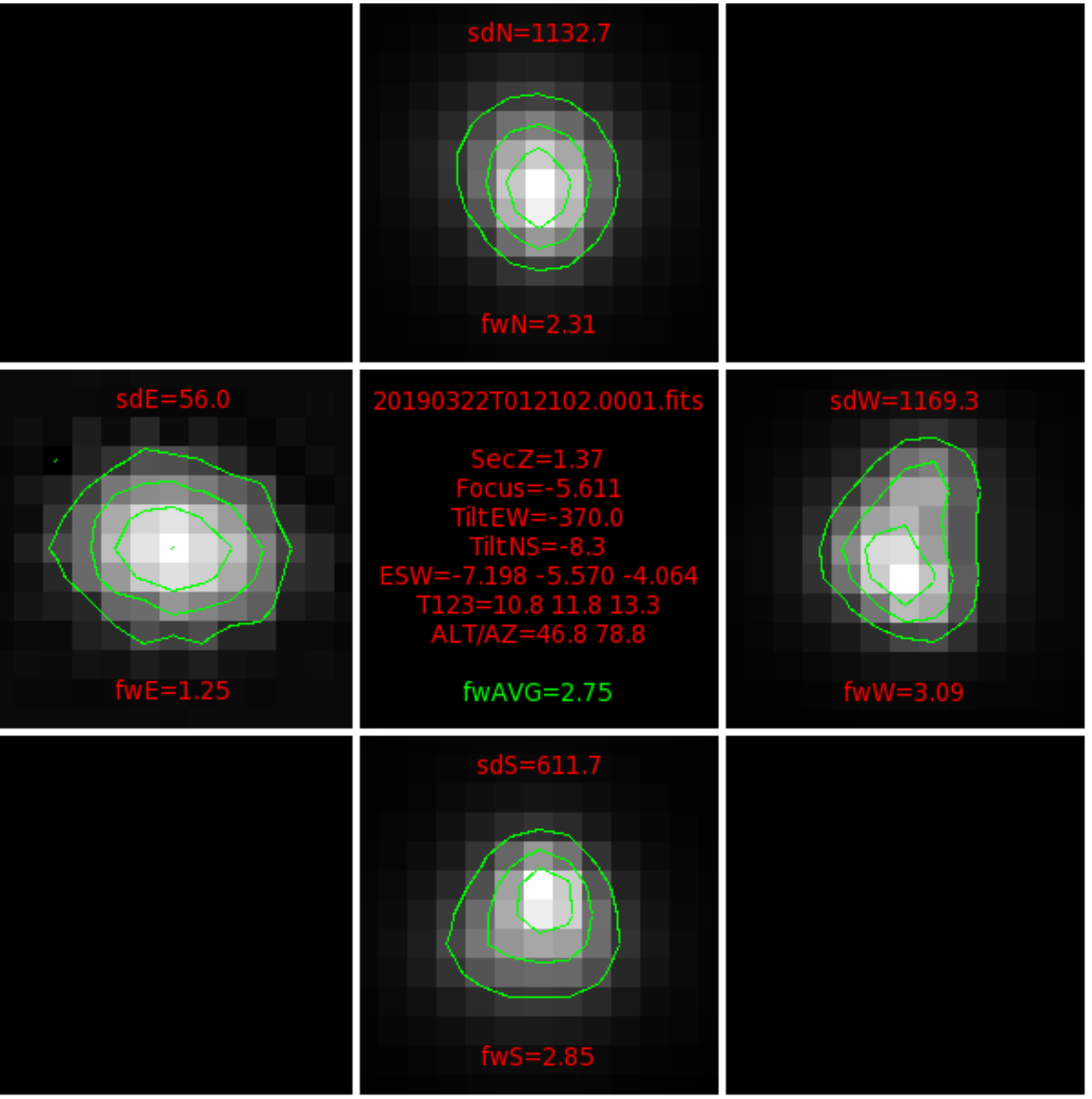
sdN=1132.7
fwN=2.31
sdE=56.0
fwE=1.25
20190322T012102.0001.fits
SecZ=1.37
Focus=-5.611
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.198 -5.570 -4.064
T123=10.8 11.8 13.3
ALT/AZ=46.8 78.8
fwAVG=2.75
sdW=1169.3
fwW=3.09
sdS=611.7
fwS=2.85
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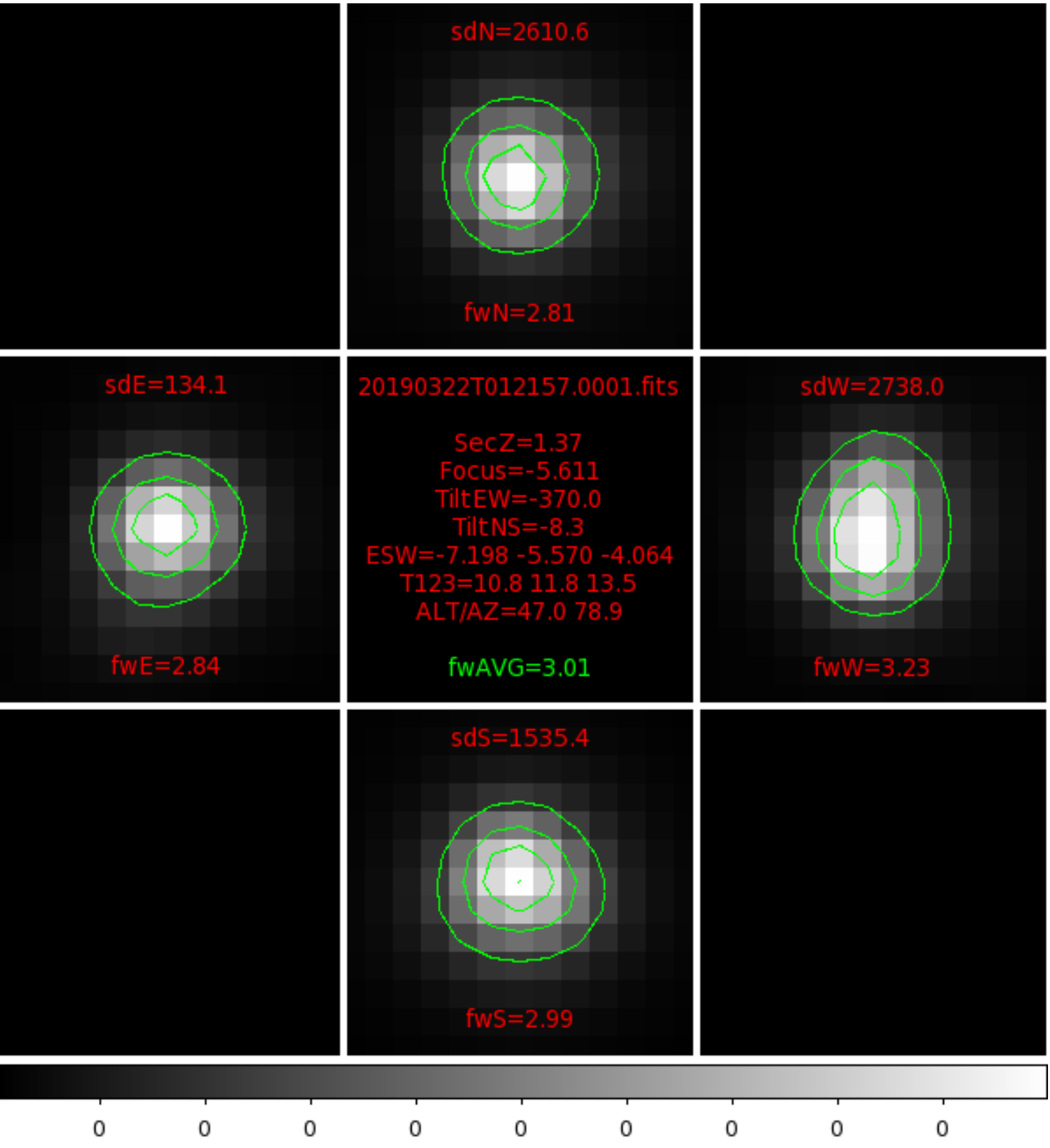
sdN=2610.6
fwN=2.81
sdE=134.1
fwE=2.84
20190322T012157.0001.fits
SecZ=1.37
Focus=-5.611
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.198 -5.570 -4.064
T123=10.8 11.8 13.5
ALT/AZ=47.0 78.9
fwAVG=3.01
sdW=2738.0
fwW=3.23
sdS=1535.4
fwS=2.99
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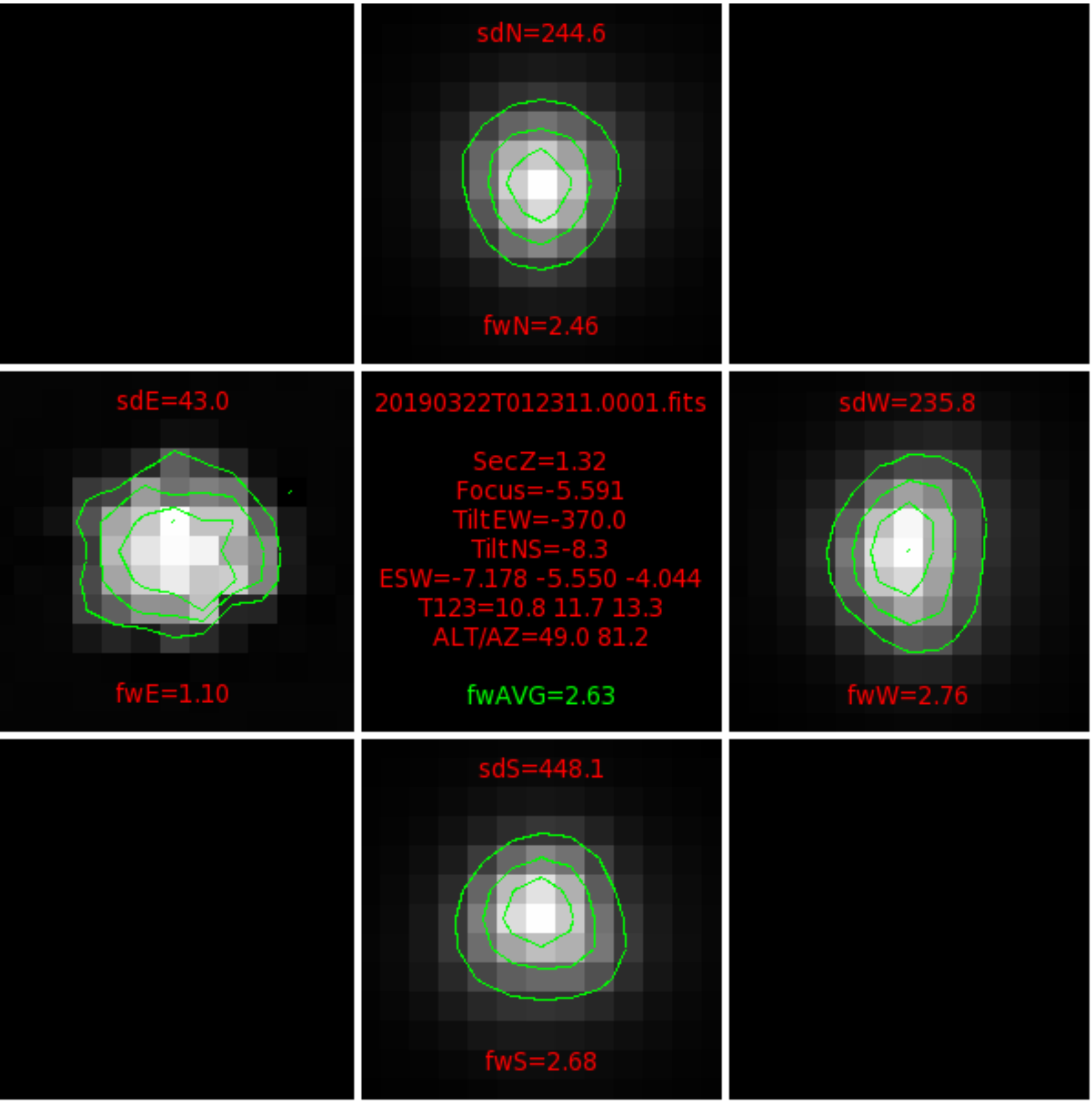
sdN=244.6
fwN=2.46
sdE=43.0
fwE=1.10
20190322T012311.0001.fits
SecZ=1.32
Focus=-5.591
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.178 -5.550 -4.044
T123=10.8 11.7 13.3
ALT/AZ=49.0 81.2
fwAVG=2.63
sdW=235.8
fwW=2.76
sdS=448.1
fwS=2.68
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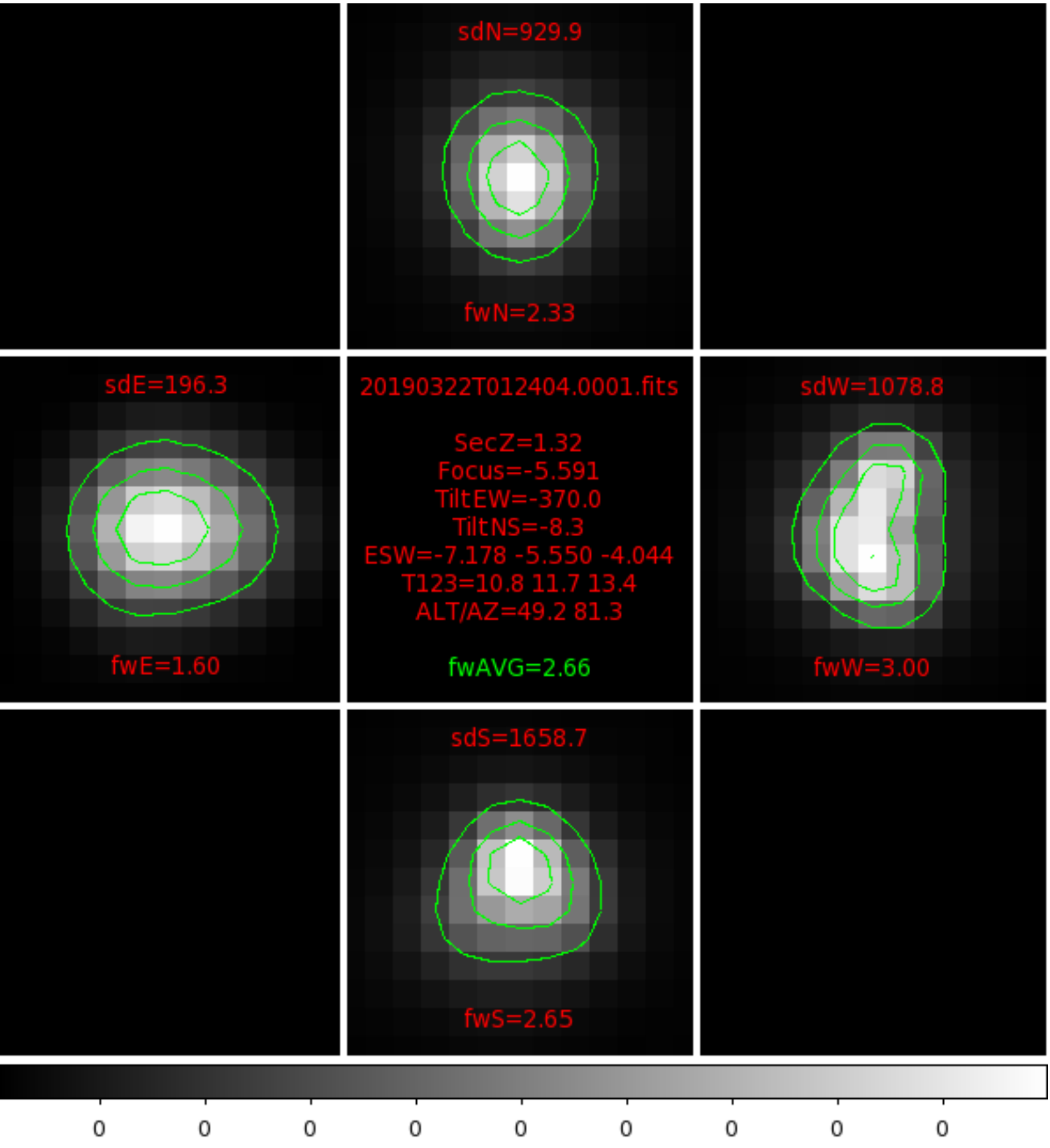
sdN=929.9
fwN=2.33
sdE=196.3
fwE=1.60
20190322T012404.0001.fits
SecZ=1.32
Focus=-5.591
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.178 -5.550 -4.044
T123=10.8 11.7 13.4
ALT/AZ=49.2 81.3
fwAVG=2.66
sdW=1078.8
fwW=3.00
sdS=1658.7
fwS=2.65
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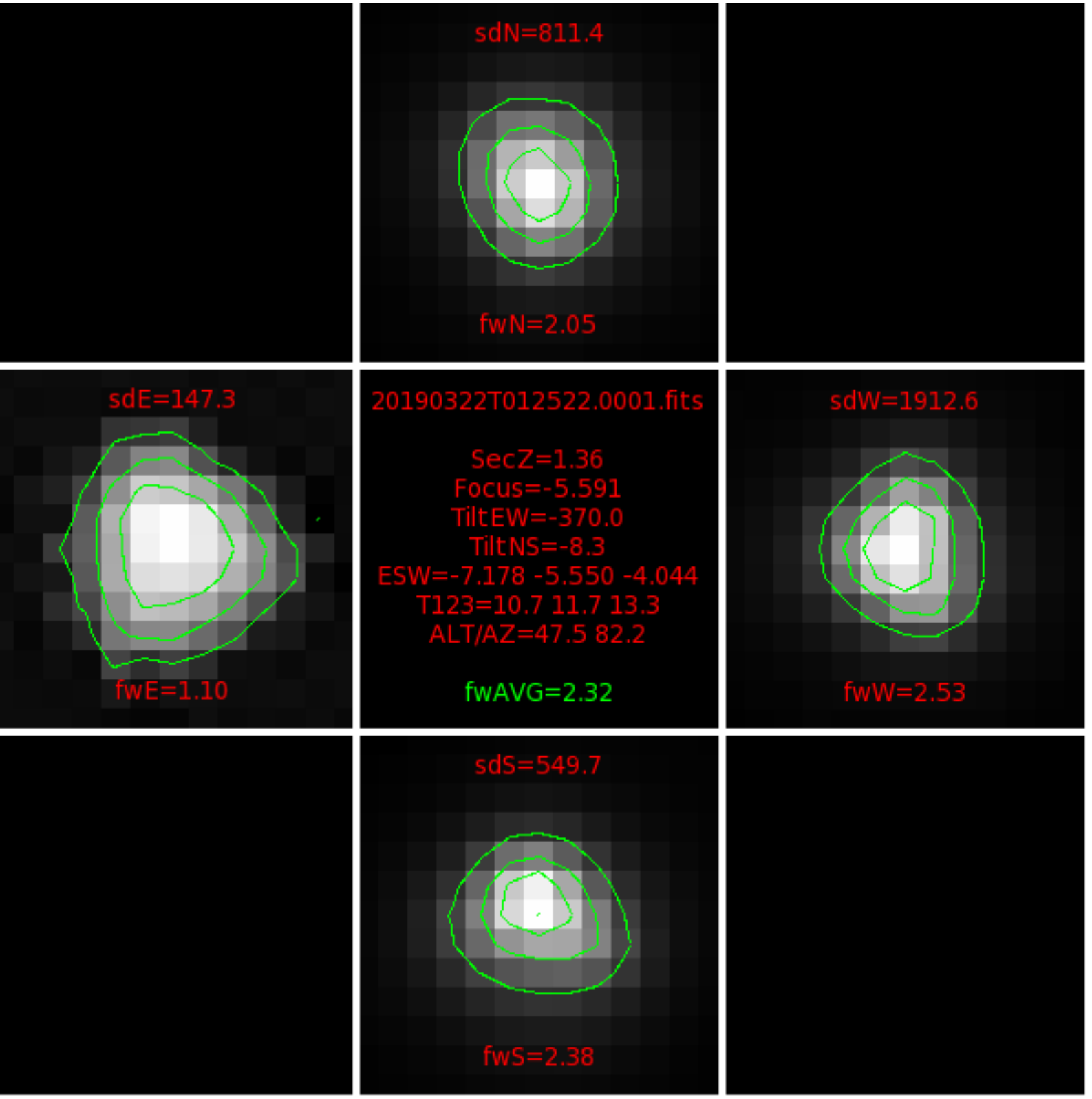
sdN=811.4
fwN=2.05
sdE=147.3
fwE=1.10
20190322T012522.0001.fits
SecZ=1.36
Focus=-5.591
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.178 -5.550 -4.044
T123=10.7 11.7 13.3
ALT/AZ=47.5 82.2
fwAVG=2.32
sdW=1912.6
fwW=2.53
sdS=549.7
fwS=2.38
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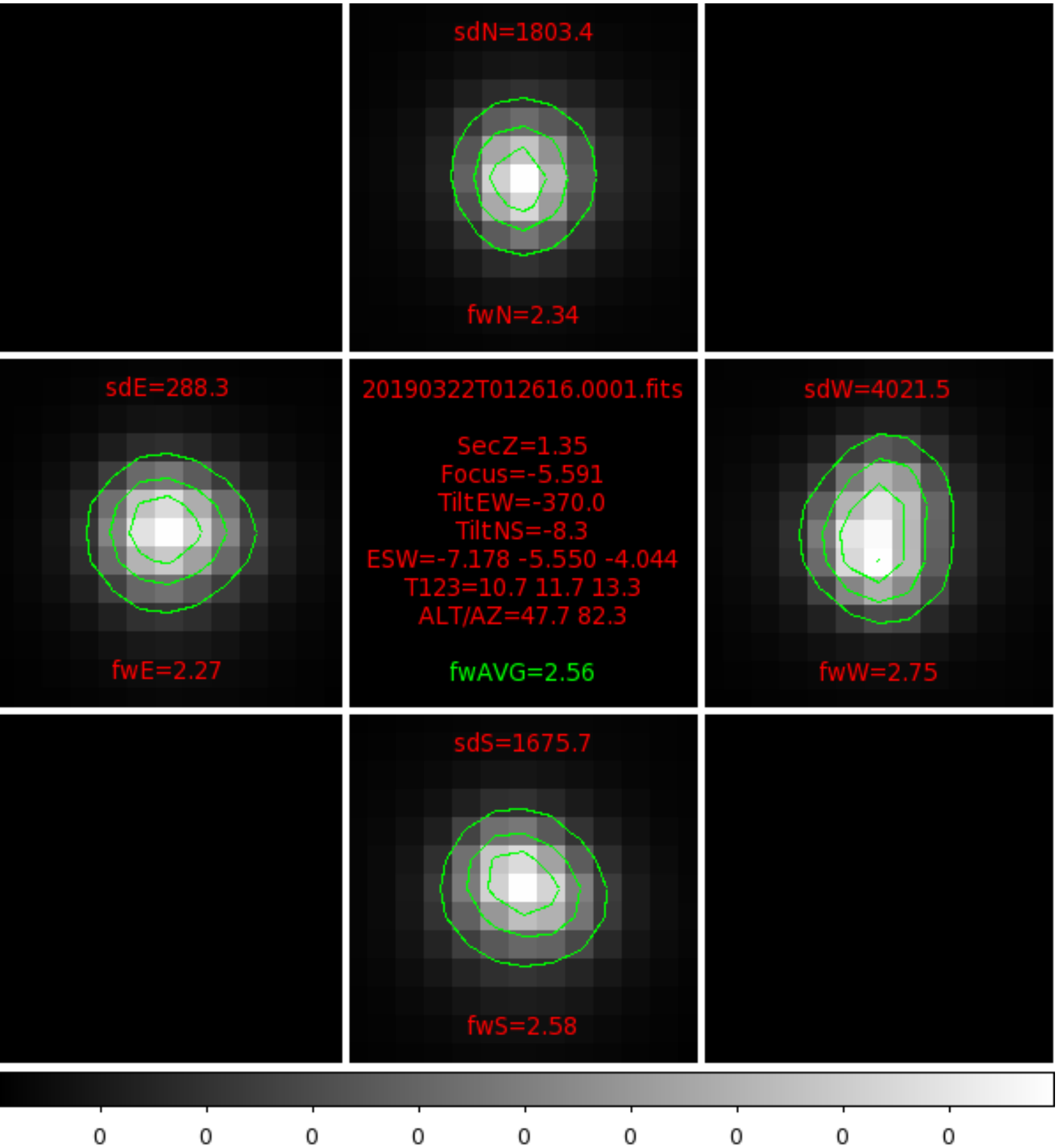
sdN=1803.4
fwN=2.34
sdE=288.3
fwE=2.27
20190322T012616.0001.fits
SecZ=1.35
Focus=-5.591
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.178 -5.550 -4.044
T123=10.7 11.7 13.3
ALT/AZ=47.7 82.3
fwAVG=2.56
sdW=4021.5
fwW=2.75
sdS=1675.7
fwS=2.58
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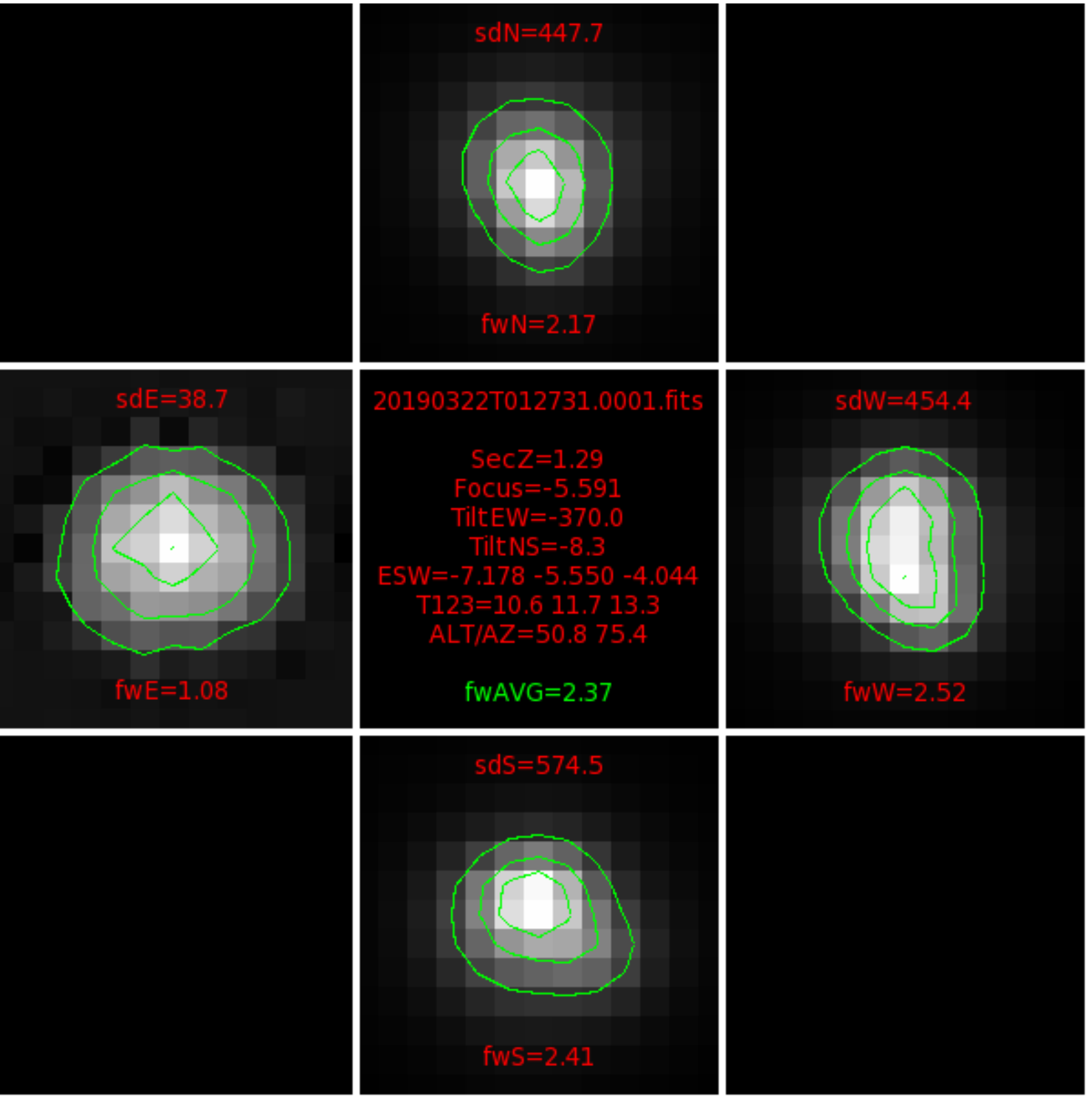
sdN=447.7
fwN=2.17
sdE=38.7
fwE=1.08
20190322T012731.0001.fits
SecZ=1.29
Focus=-5.591
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.178 -5.550 -4.044
T123=10.6 11.7 13.3
ALT/AZ=50.8 75.4
fwAVG=2.37
sdW=454.4
fwW=2.52
sdS=574.5
fwS=2.41
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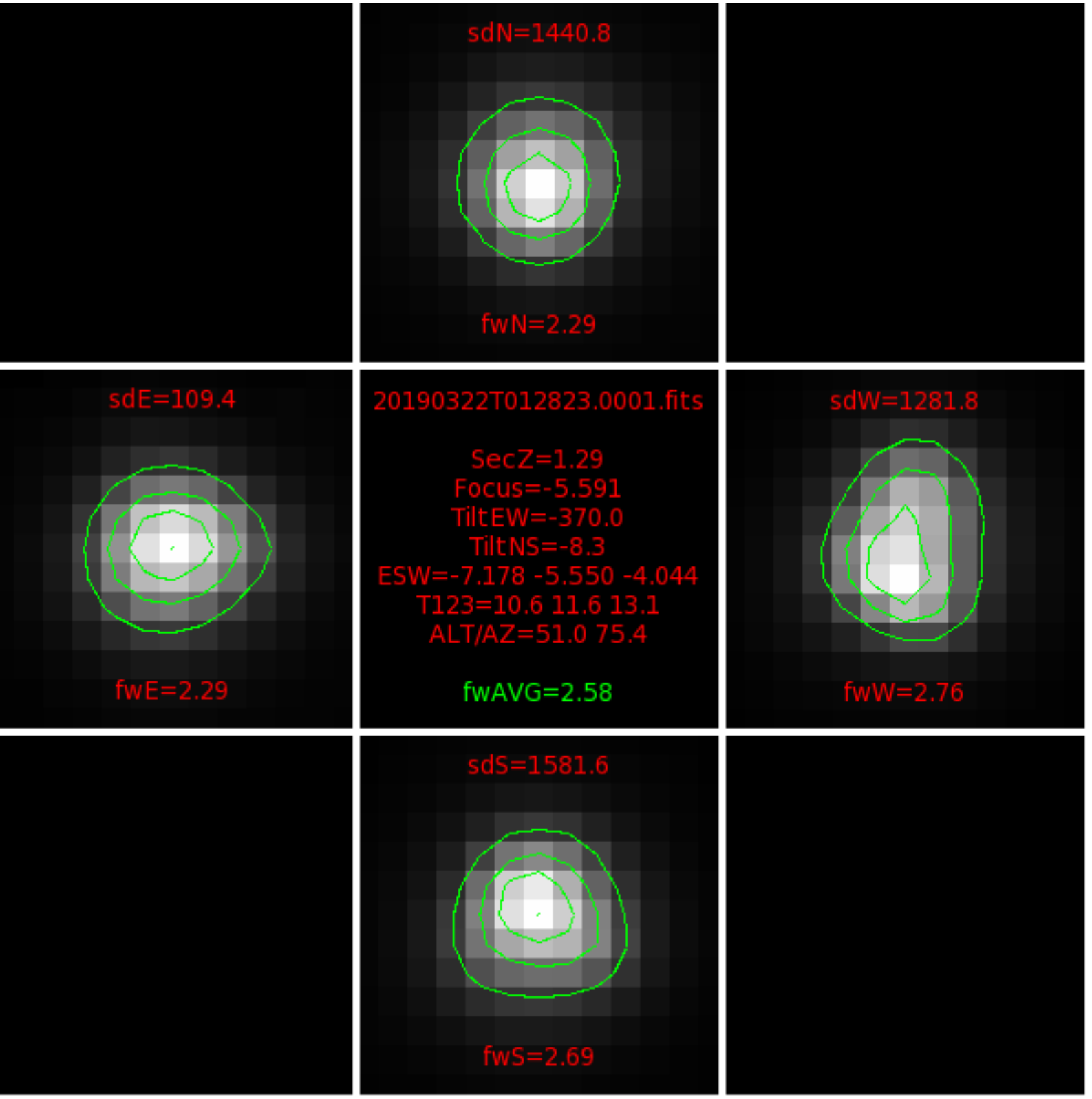
sdN=1440.8
fwN=2.29
sdE=109.4
fwE=2.29
20190322T012823.0001.fits
SecZ=1.29
Focus=-5.591
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.178 -5.550 -4.044
T123=10.6 11.6 13.1
ALT/AZ=51.0 75.4
fwAVG=2.58
sdW=1281.8
fwW=2.76
sdS=1581.6
fwS=2.69
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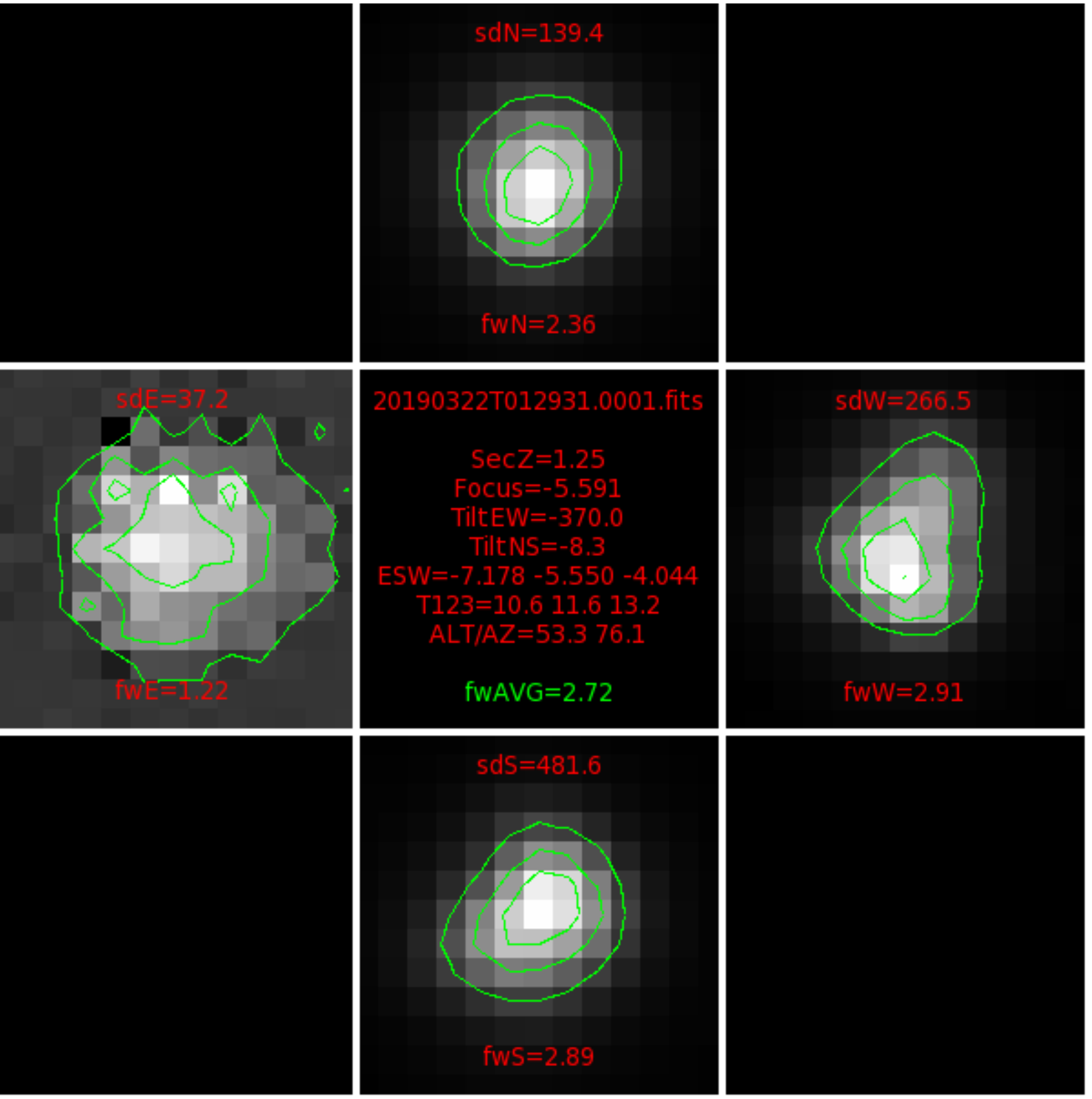
sdN=139.4
fwN=2.36
sdE=37.2
fwE=1.22
20190322T012931.0001.fits
SecZ=1.25
Focus=-5.591
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.178 -5.550 -4.044
T123=10.6 11.6 13.2
ALT/AZ=53.3 76.1
fwAVG=2.72
sdW=266.5
fwW=2.91
sdS=481.6
fwS=2.89
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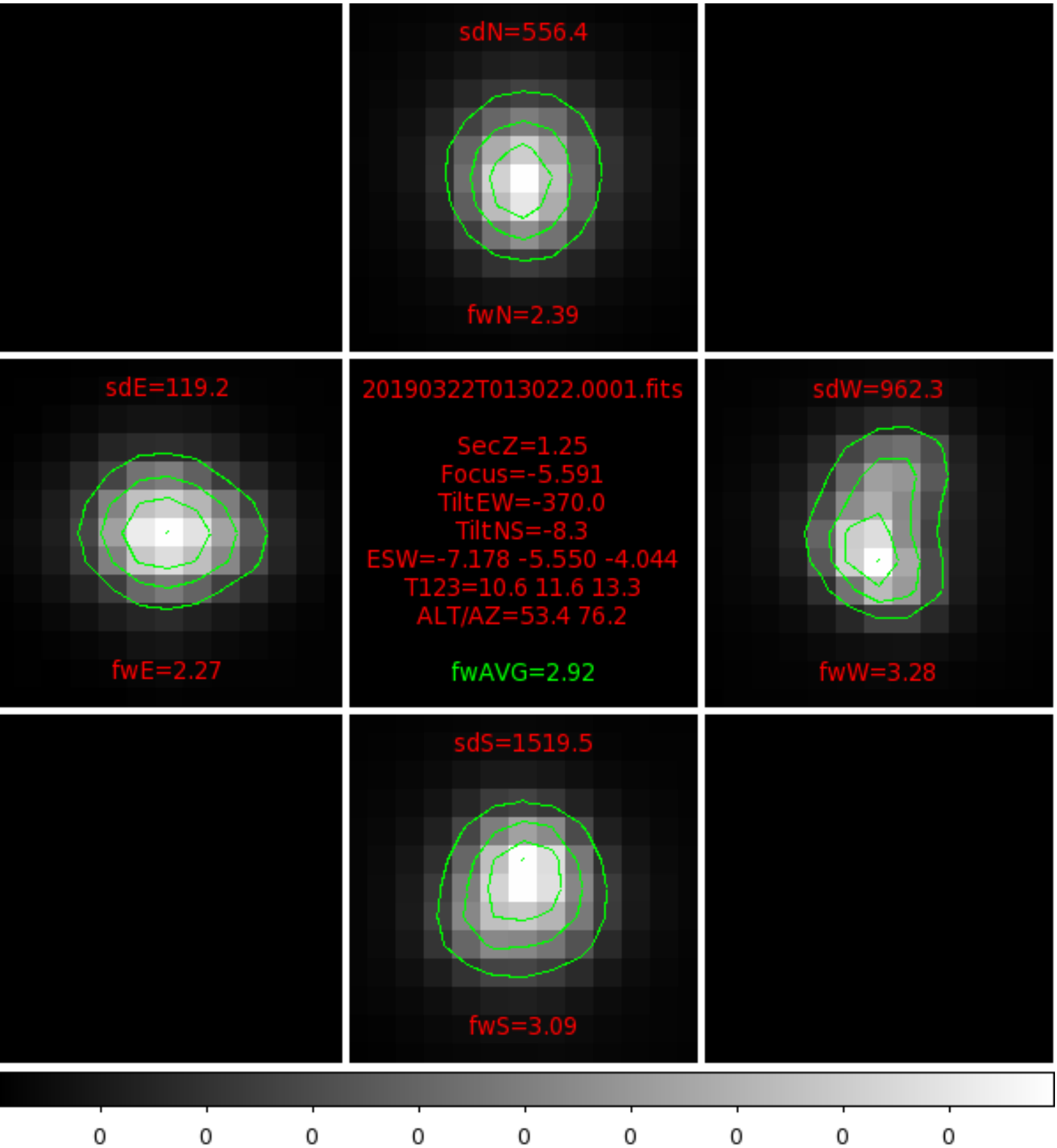
sdN=556.4
fwN=2.39
sdE=119.2
fwE=2.27
20190322T013022.0001.fits
SecZ=1.25
Focus=-5.591
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.178 -5.550 -4.044
T123=10.6 11.6 13.3
ALT/AZ=53.4 76.2
fwAVG=2.92
sdW=962.3
fwW=3.28
sdS=1519.5
fwS=3.09
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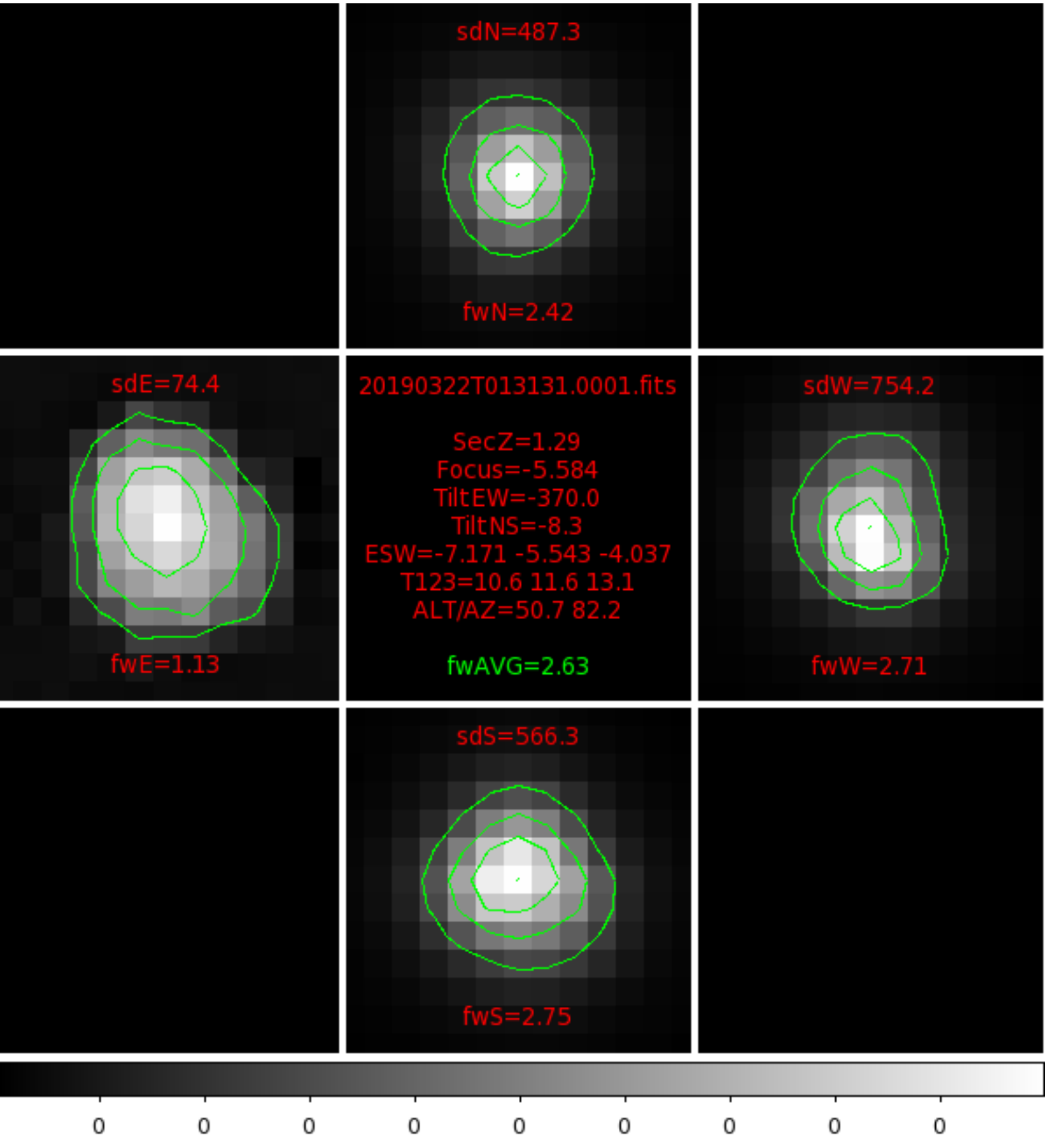
sdN=487.3
fwN=2.42
sdE=74.4
fwE=1.13
20190322T013131.0001.fits
SecZ=1.29
Focus=-5.584
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.171 -5.543 -4.037
T123=10.6 11.6 13.1
ALT/AZ=50.7 82.2
fwAVG=2.63
sdW=754.2
fwW=2.71
sdS=566.3
fwS=2.75
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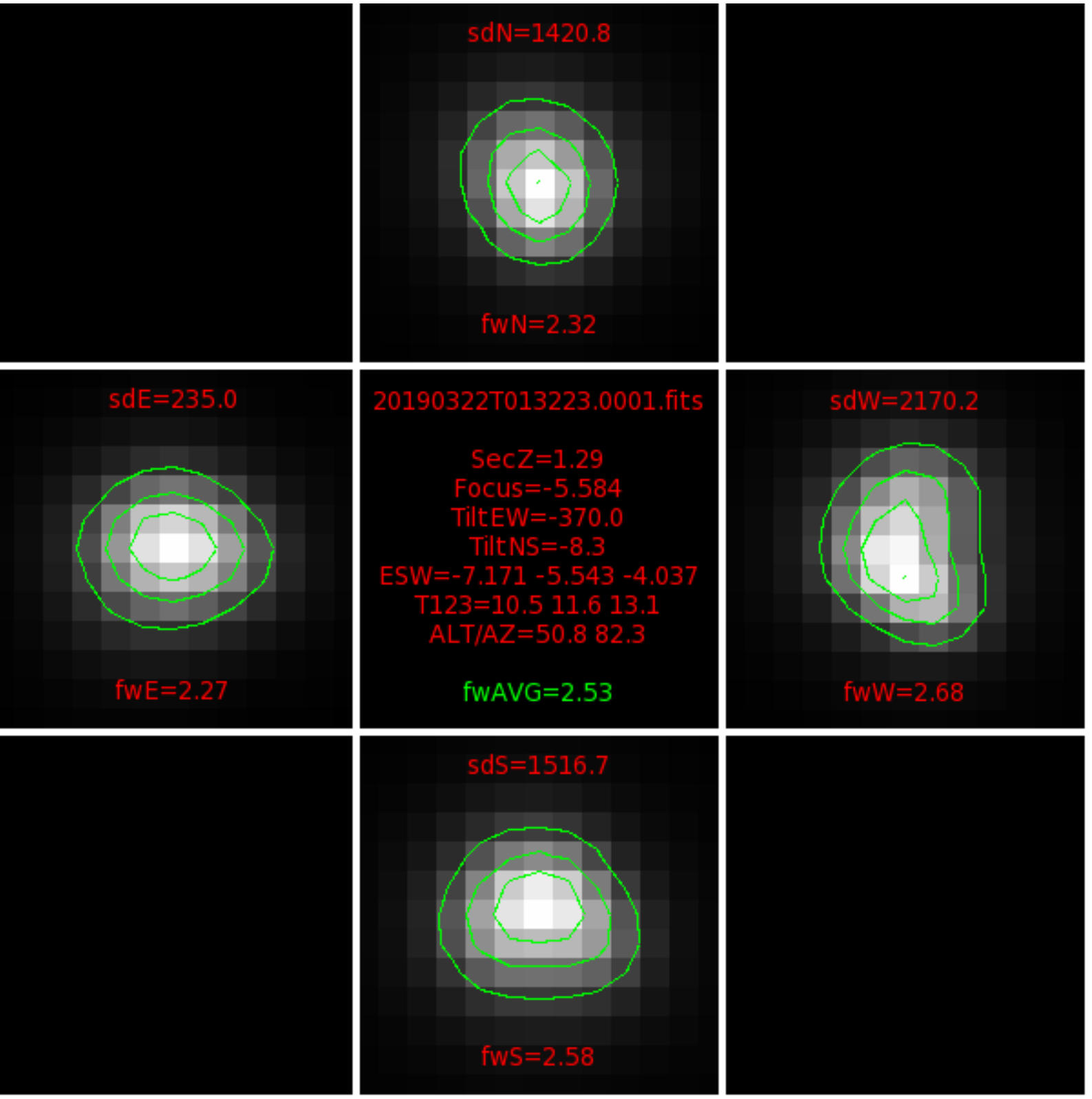
sdN=1420.8
fwN=2.32
sdE=235.0
fwE=2.27
20190322T013223.0001.fits
SecZ=1.29
Focus=-5.584
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.171 -5.543 -4.037
T123=10.5 11.6 13.1
ALT/AZ=50.8 82.3
fwAVG=2.53
sdW=2170.2
fwW=2.68
sdS=1516.7
fwS=2.58
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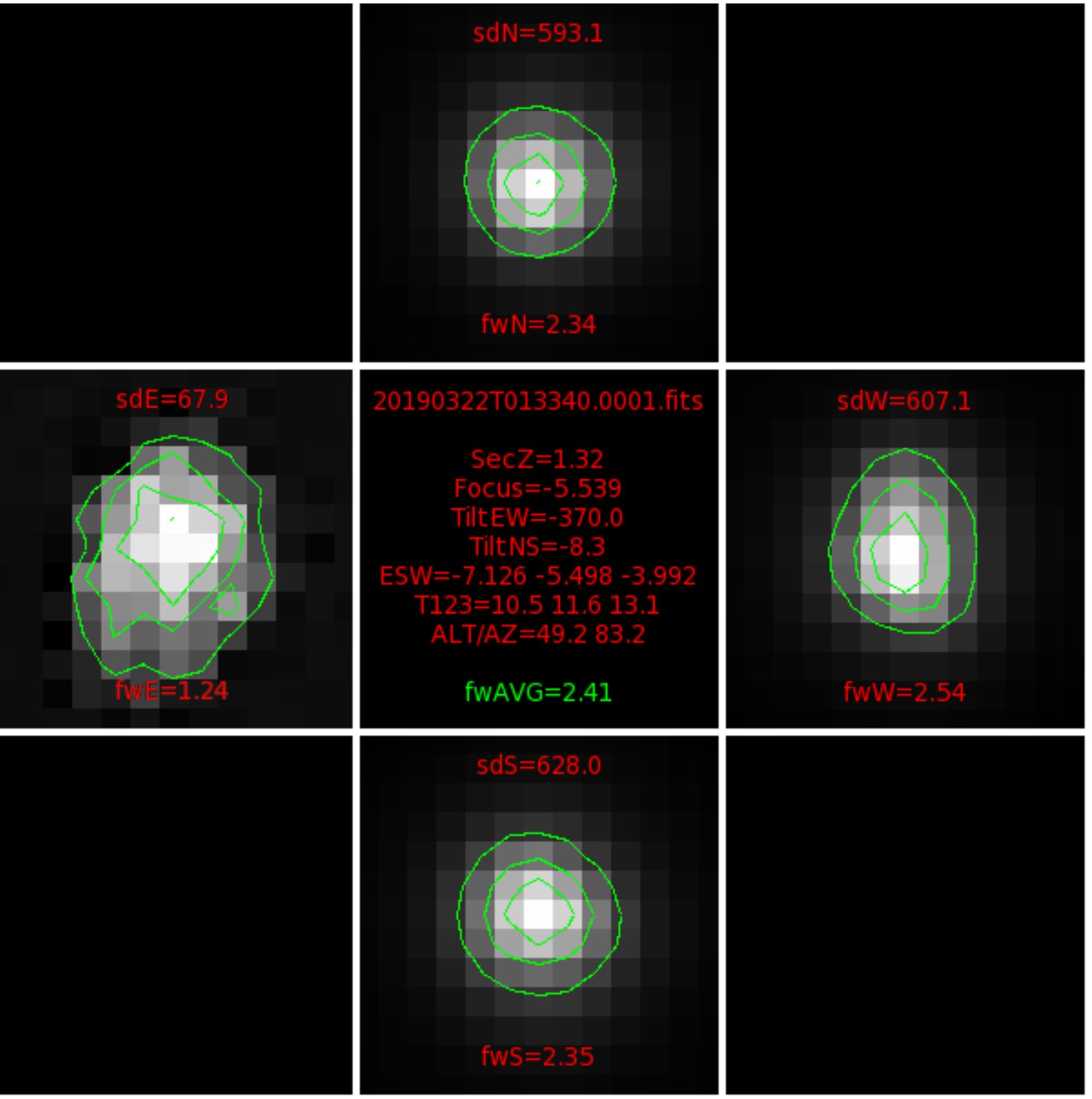
sdN=593.1
fwN=2.34
sdE=67.9
fwE=1.24
20190322T013340.0001.fits
SecZ=1.32
Focus=-5.539
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.126 -5.498 -3.992
T123=10.5 11.6 13.1
ALT/AZ=49.2 83.2
fwAVG=2.41
sdW=607.1
fwW=2.54
sdS=628.0
fwS=2.35
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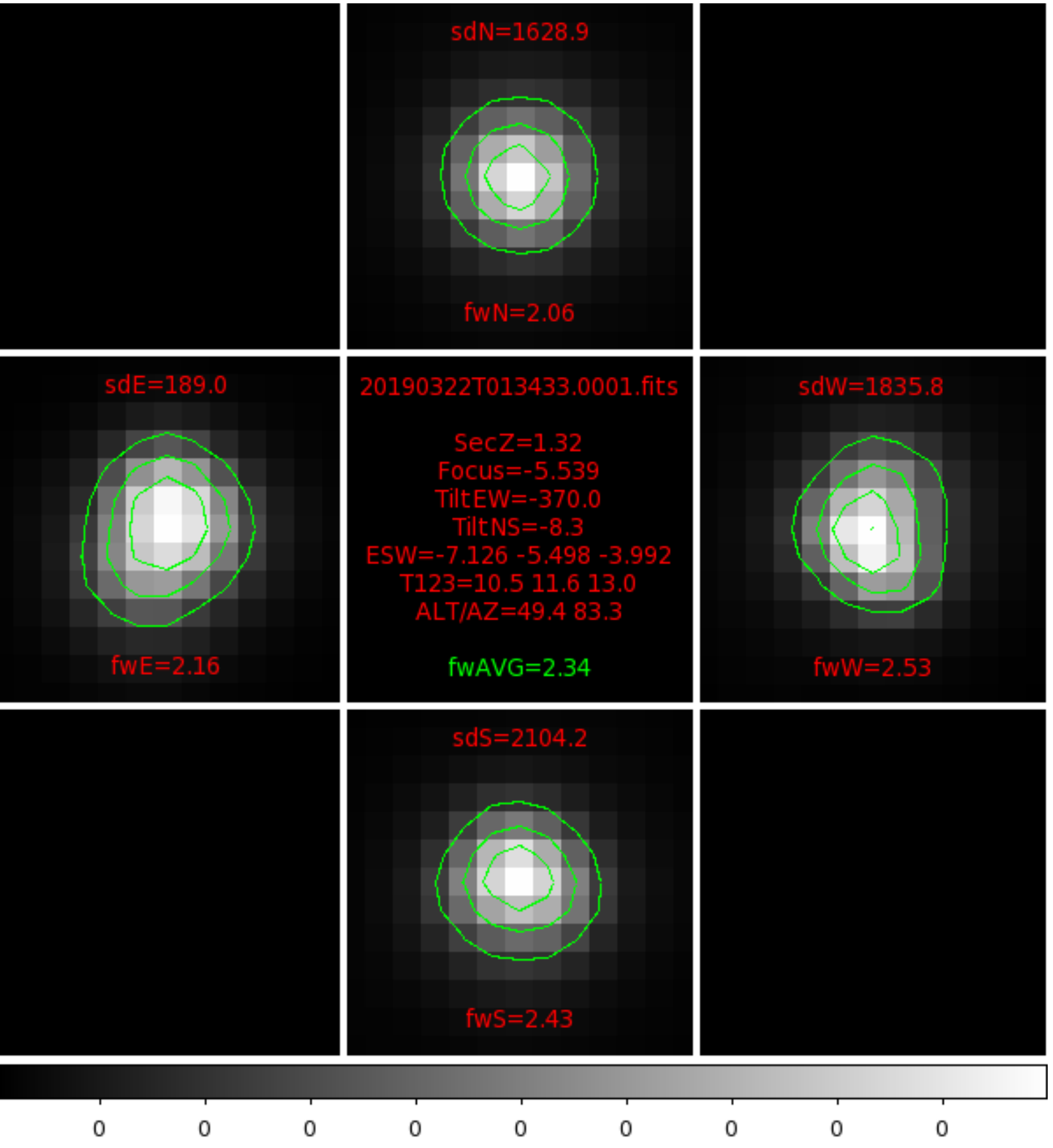
sdN=1628.9
fwN=2.06
sdE=189.0
fwE=2.16
20190322T013433.0001.fits
SecZ=1.32
Focus=-5.539
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.126 -5.498 -3.992
T123=10.5 11.6 13.0
ALT/AZ=49.4 83.3
fwAVG=2.34
sdW=1835.8
fwW=2.53
sdS=2104.2
fwS=2.43
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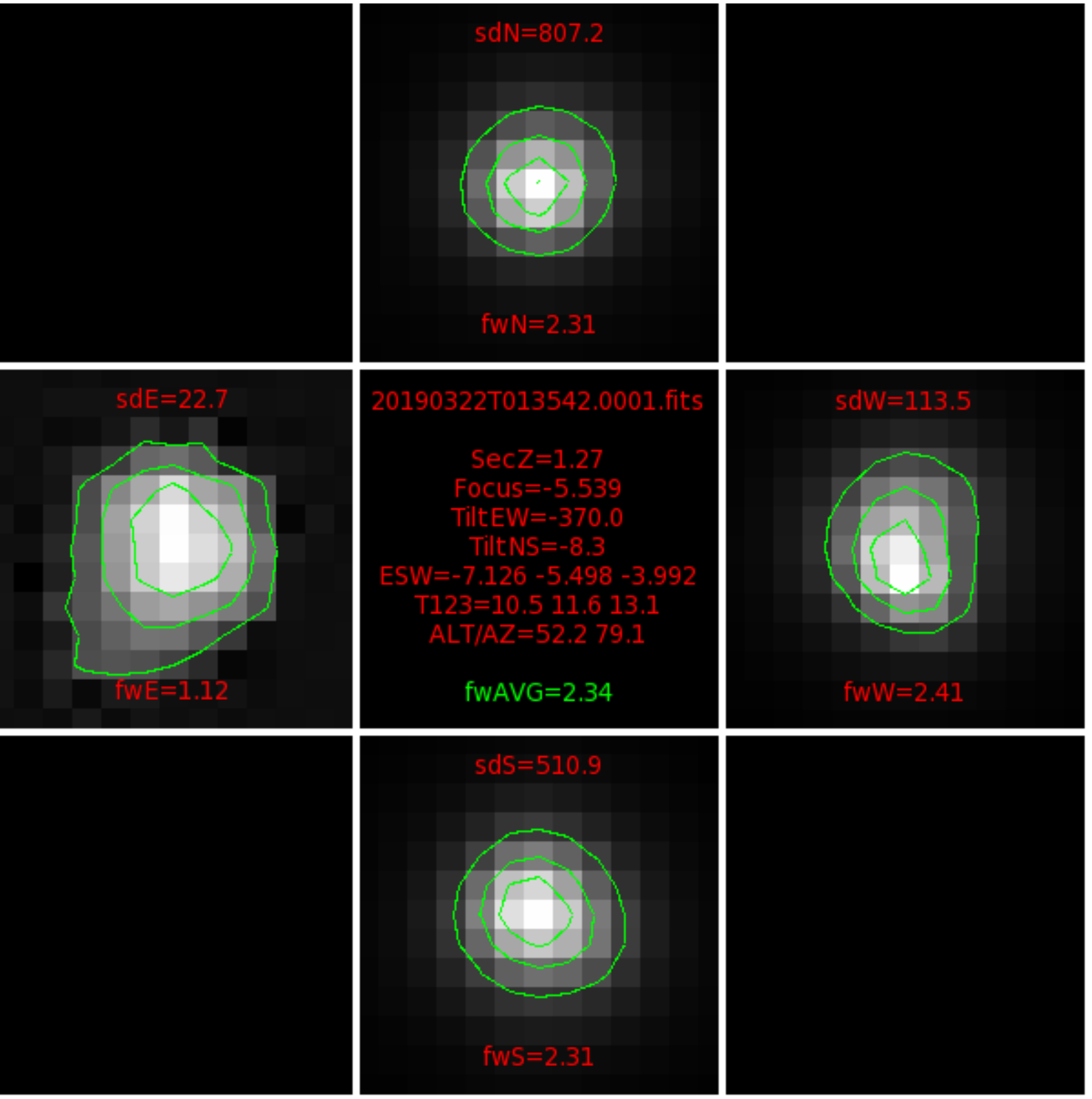
sdN=807.2
fwN=2.31
sdE=22.7
fwE=1.12
20190322T013542.0001.fits
SecZ=1.27
Focus=-5.539
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.126 -5.498 -3.992
T123=10.5 11.6 13.1
ALT/AZ=52.2 79.1
fwAVG=2.34
sdW=113.5
fwW=2.41
sdS=510.9
fwS=2.31
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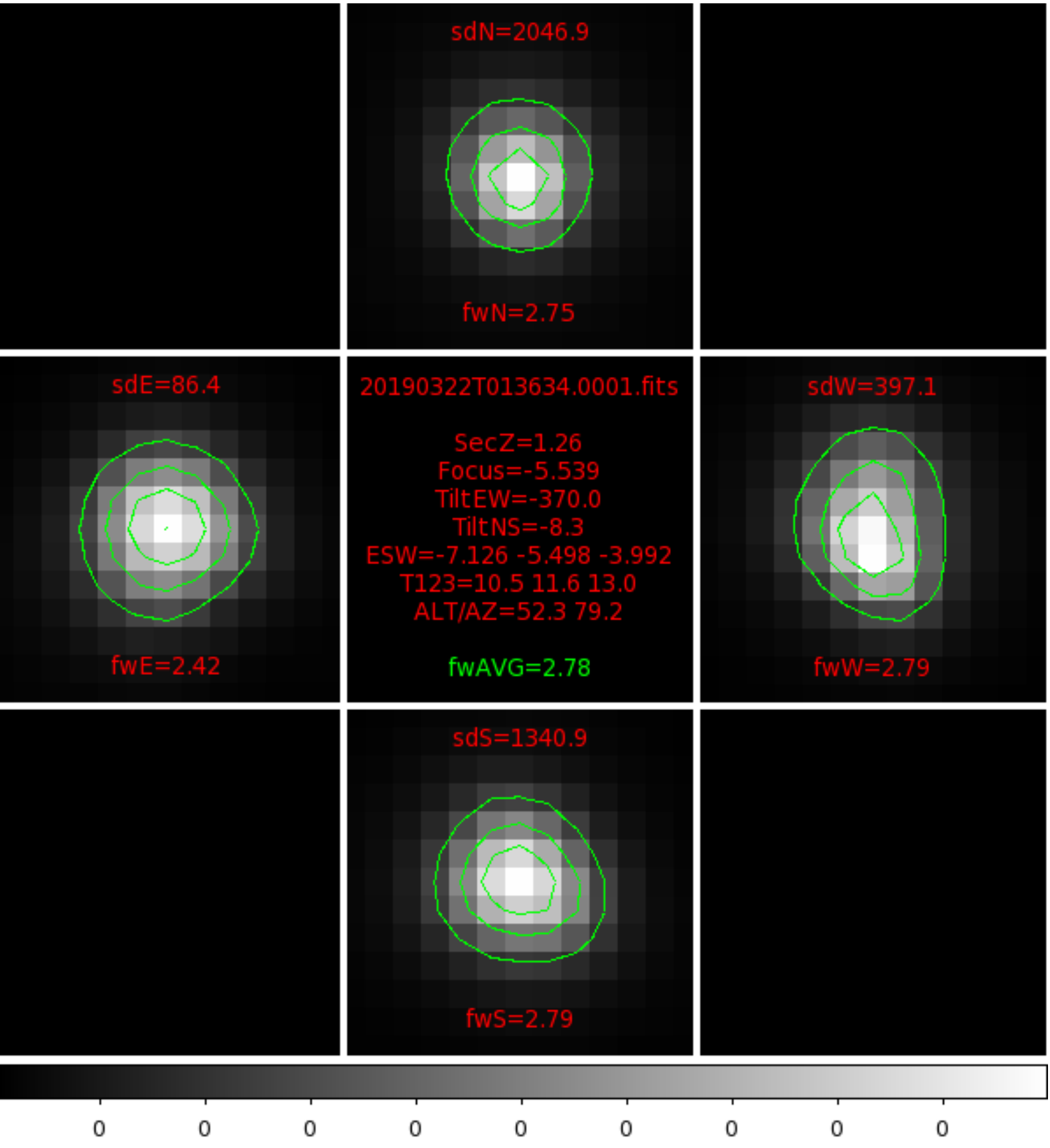
sdN=2046.9
fwN=2.75
sdE=86.4
fwE=2.42
20190322T013634.0001.fits
SecZ=1.26
Focus=-5.539
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.126 -5.498 -3.992
T123=10.5 11.6 13.0
ALT/AZ=52.3 79.2
fwAVG=2.78
sdW=397.1
fwW=2.79
sdS=1340.9
fwS=2.79
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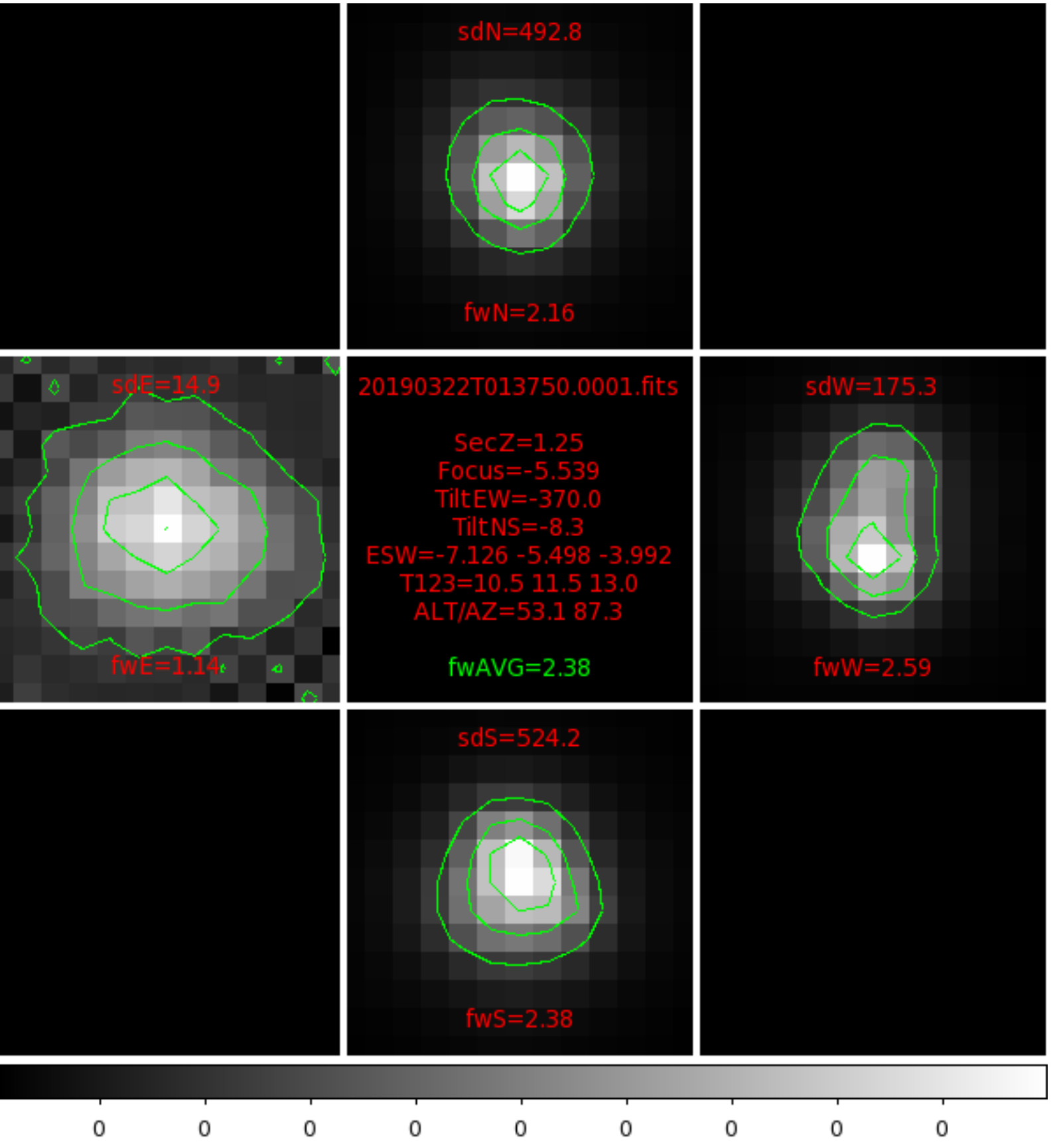
sdN=492.8
fwN=2.16
sdE=14.9
fwE=1.14
20190322T013750.0001.fits
SecZ=1.25
Focus=-5.539
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.126 -5.498 -3.992
T123=10.5 11.5 13.0
ALT/AZ=53.1 87.3
fwAVG=2.38
sdW=175.3
fwW=2.59
sdS=524.2
fwS=2.38
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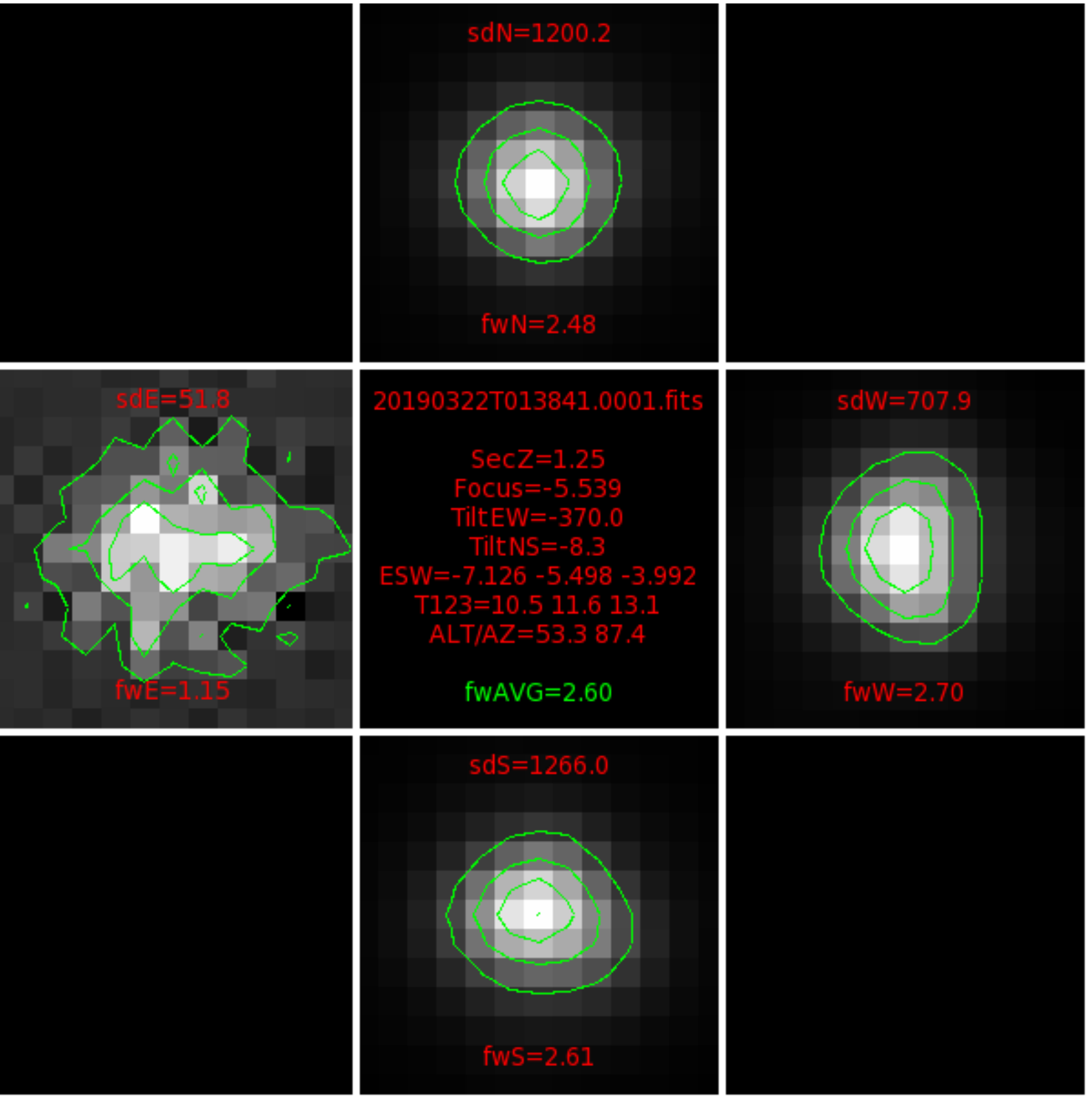
sdN=1200.2
fwN=2.48
sdE=51.8
fwE=1.15
20190322T013841.0001.fits
SecZ=1.25
Focus=-5.539
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.126 -5.498 -3.992
T123=10.5 11.6 13.1
ALT/AZ=53.3 87.4
fwAVG=2.60
sdW=707.9
fwW=2.70
sdS=1266.0
fwS=2.61
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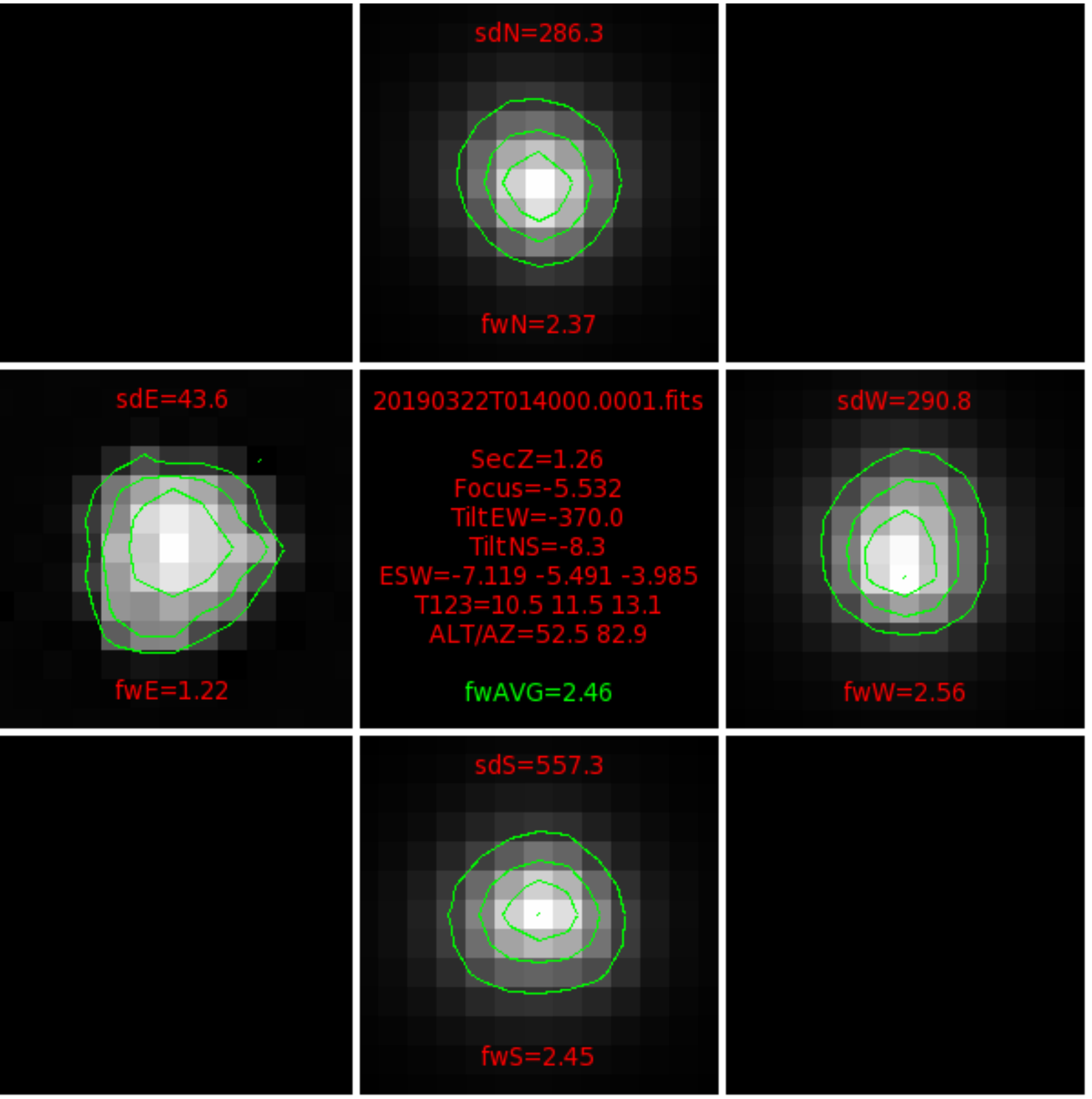
sdN=286.3
fwN=2.37
sdE=43.6
fwE=1.22
20190322T014000.0001.fits
SecZ=1.26
Focus=-5.532
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.119 -5.491 -3.985
T123=10.5 11.5 13.1
ALT/AZ=52.5 82.9
fwAVG=2.46
sdW=290.8
fwW=2.56
sdS=557.3
fwS=2.45
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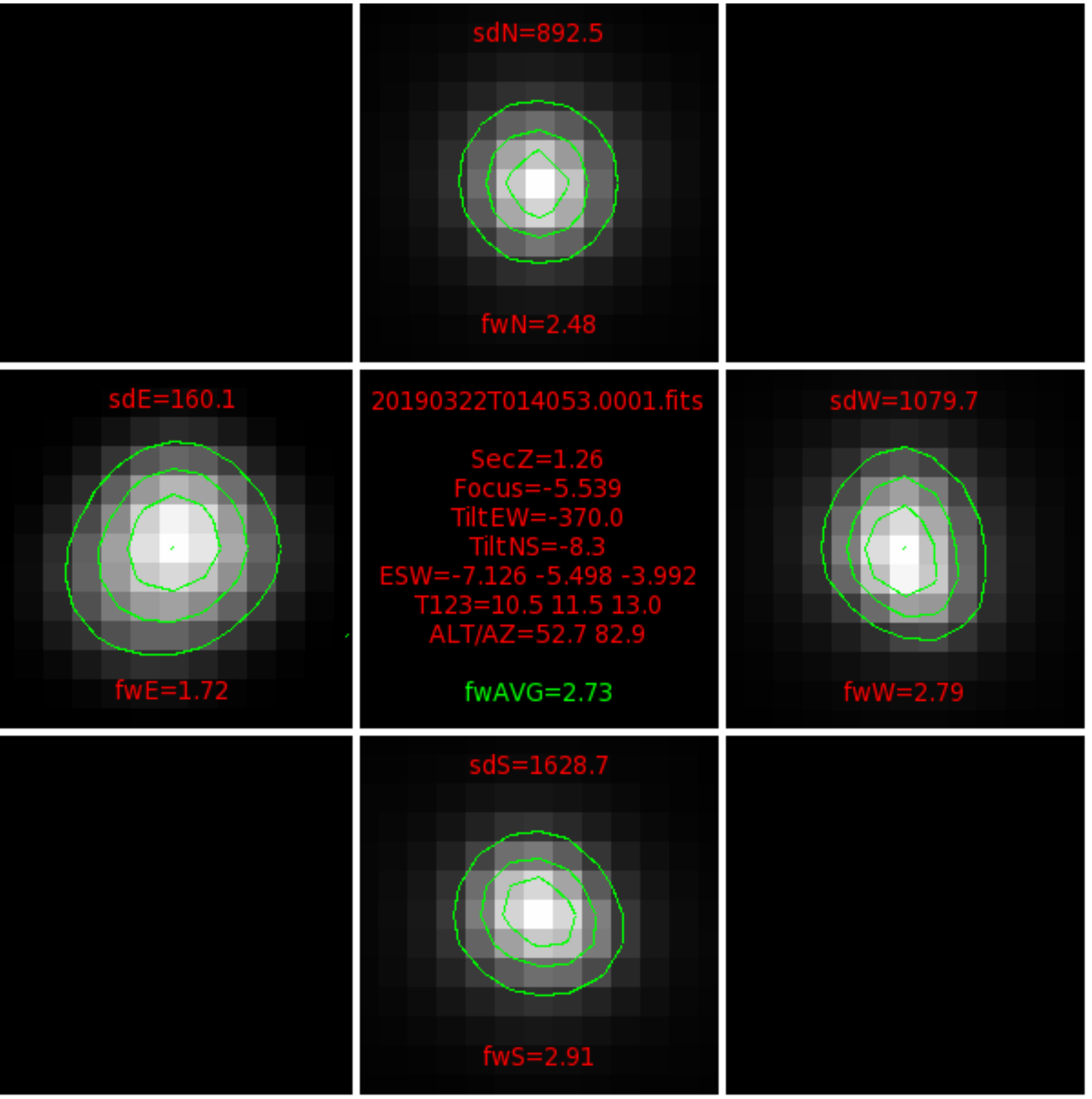
sdN=892.5
fwN=2.48
sdE=160.1
fwE=1.72
20190322T014053.0001.fits
SecZ=1.26
Focus=-5.539
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.126 -5.498 -3.992
T123=10.5 11.5 13.0
ALT/AZ=52.7 82.9
fwAVG=2.73
sdW=1079.7
fwW=2.79
sdS=1628.7
fwS=2.91
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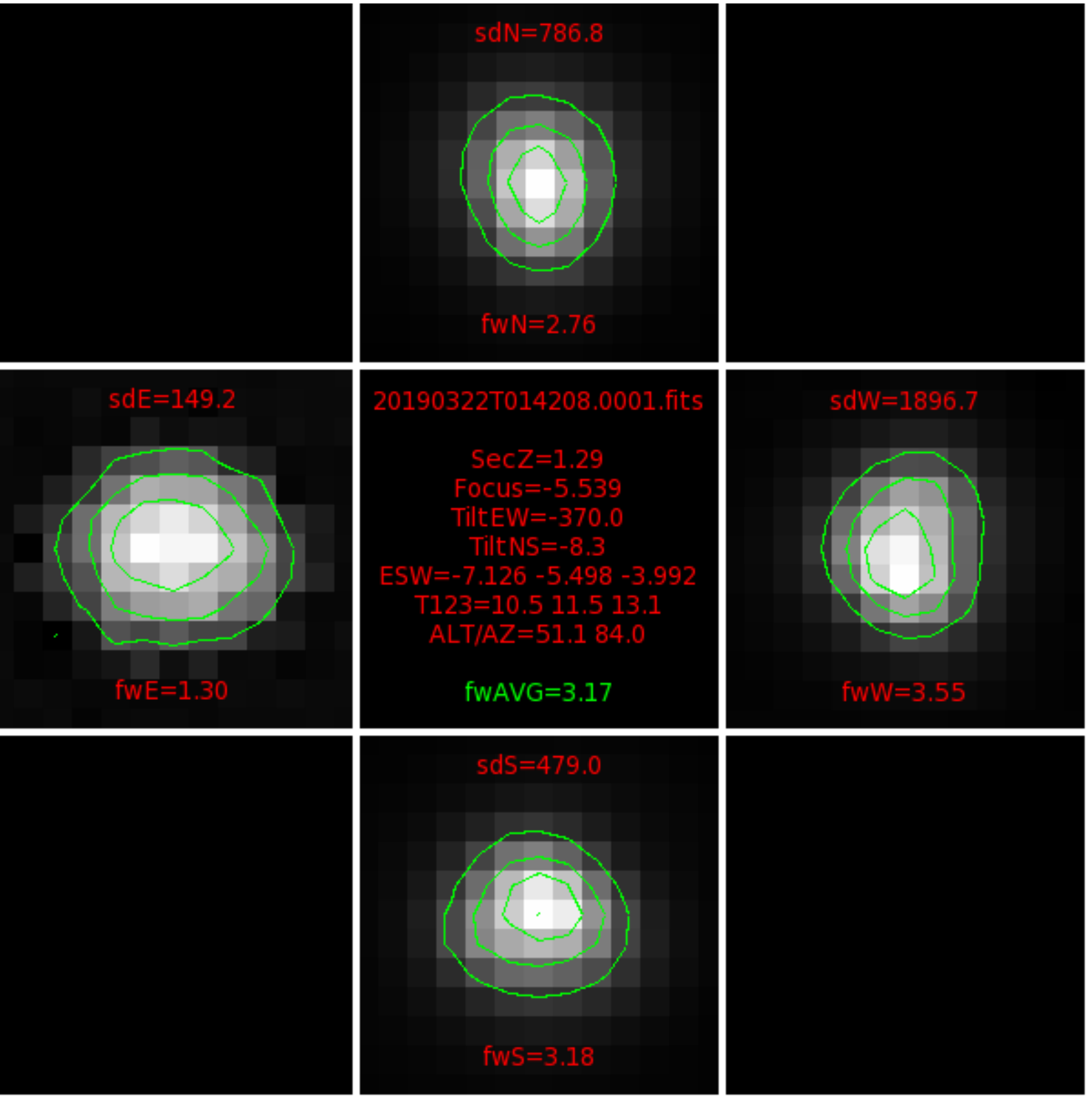
sdN=786.8
fwN=2.76
sdE=149.2
fwE=1.30
20190322T014208.0001.fits
SecZ=1.29
Focus=-5.539
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.126 -5.498 -3.992
T123=10.5 11.5 13.1
ALT/AZ=51.1 84.0
fwAVG=3.17
sdW=1896.7
fwW=3.55
sdS=479.0
fwS=3.18
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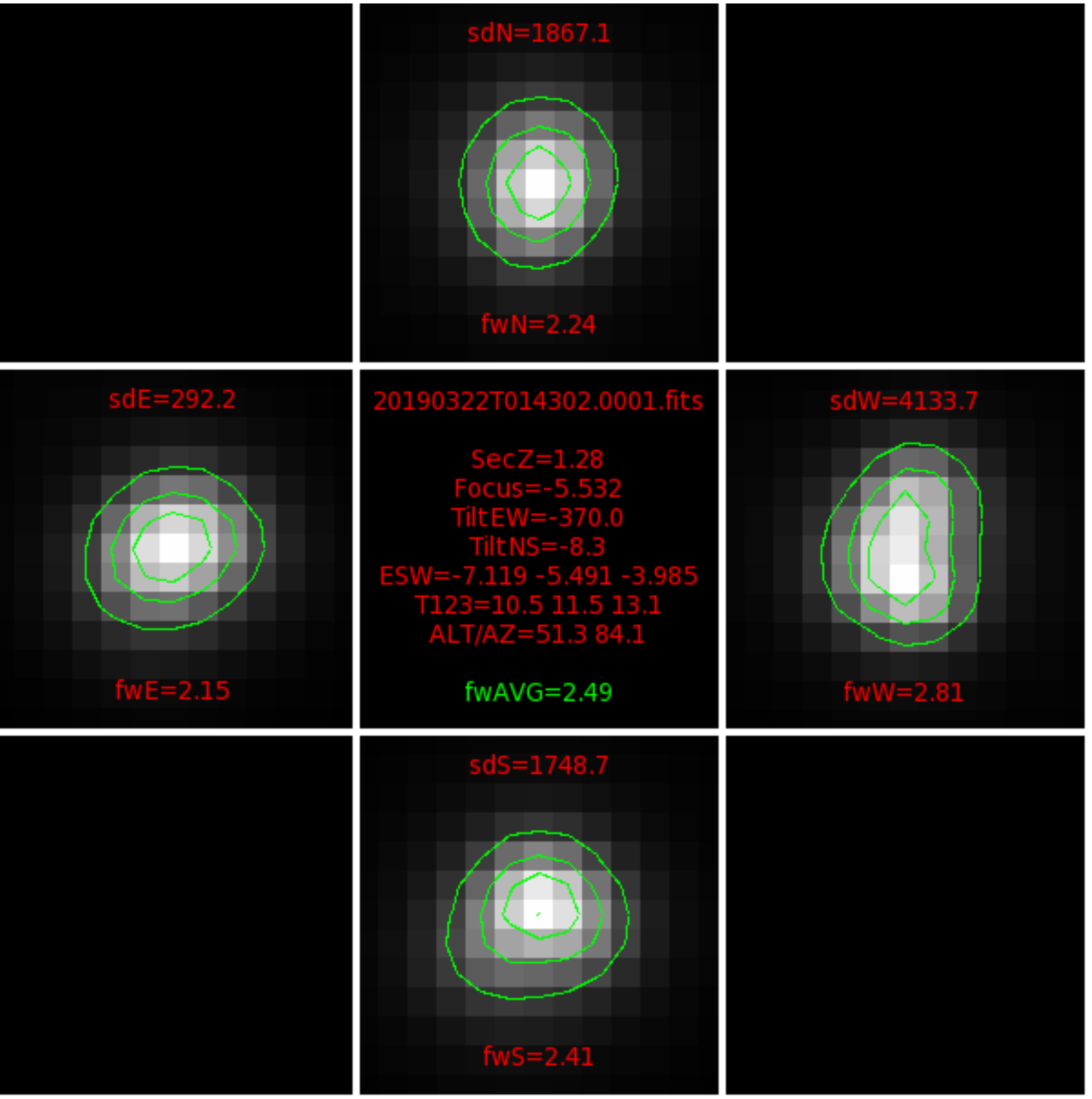
sdN=1867.1
fwN=2.24
sdE=292.2
fwE=2.15
20190322T014302.0001.fits
SecZ=1.28
Focus=-5.532
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.119 -5.491 -3.985
T123=10.5 11.5 13.1
ALT/AZ=51.3 84.1
fwAVG=2.49
sdW=4133.7
fwW=2.81
sdS=1748.7
fwS=2.41
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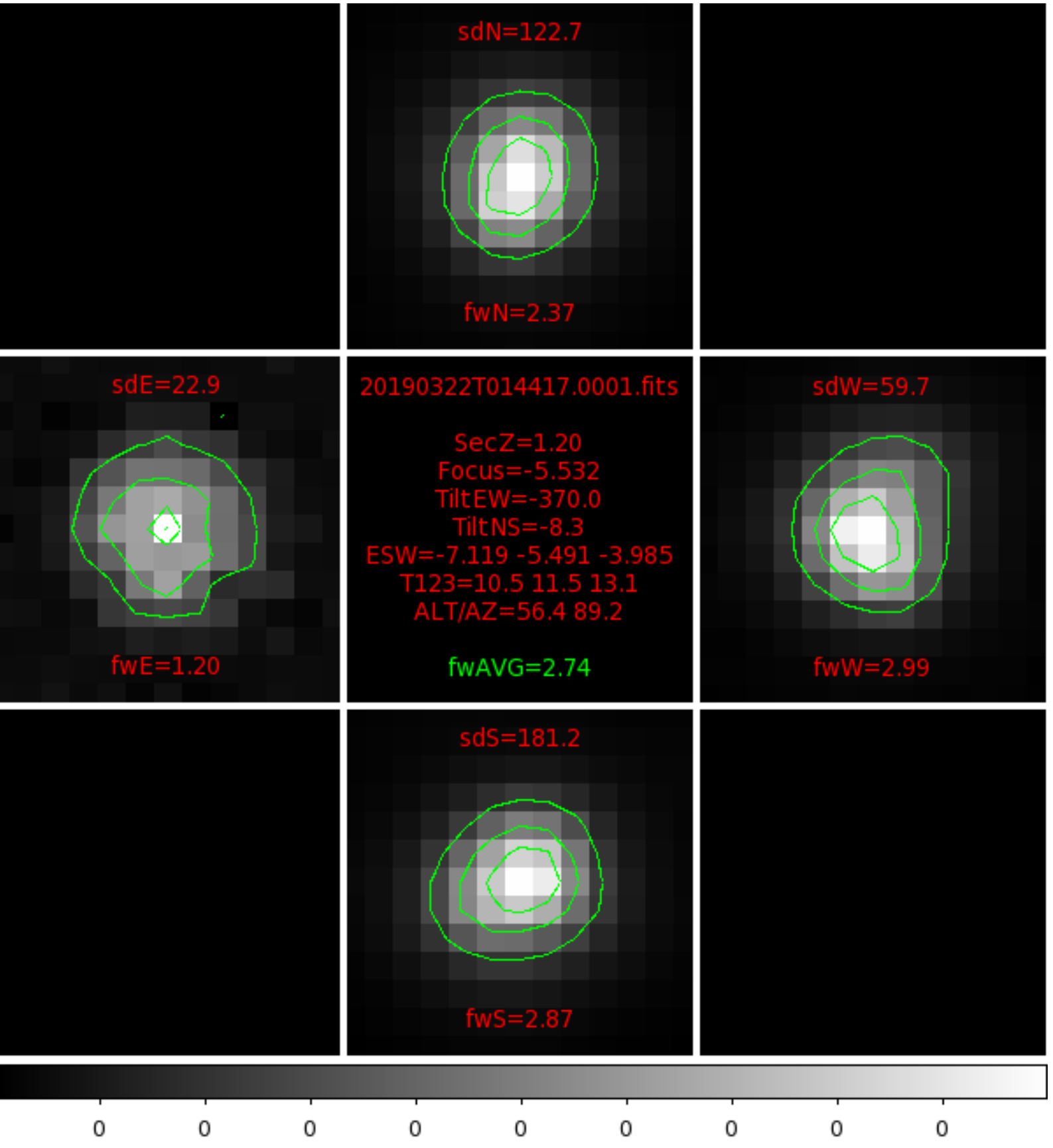
sdN=122.7
fwN=2.37
sdE=22.9
fwE=1.20
20190322T014417.0001.fits
SecZ=1.20
Focus=-5.532
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.119 -5.491 -3.985
T123=10.5 11.5 13.1
ALT/AZ=56.4 89.2
fwAVG=2.74
sdW=59.7
fwW=2.99
sdS=181.2
fwS=2.87
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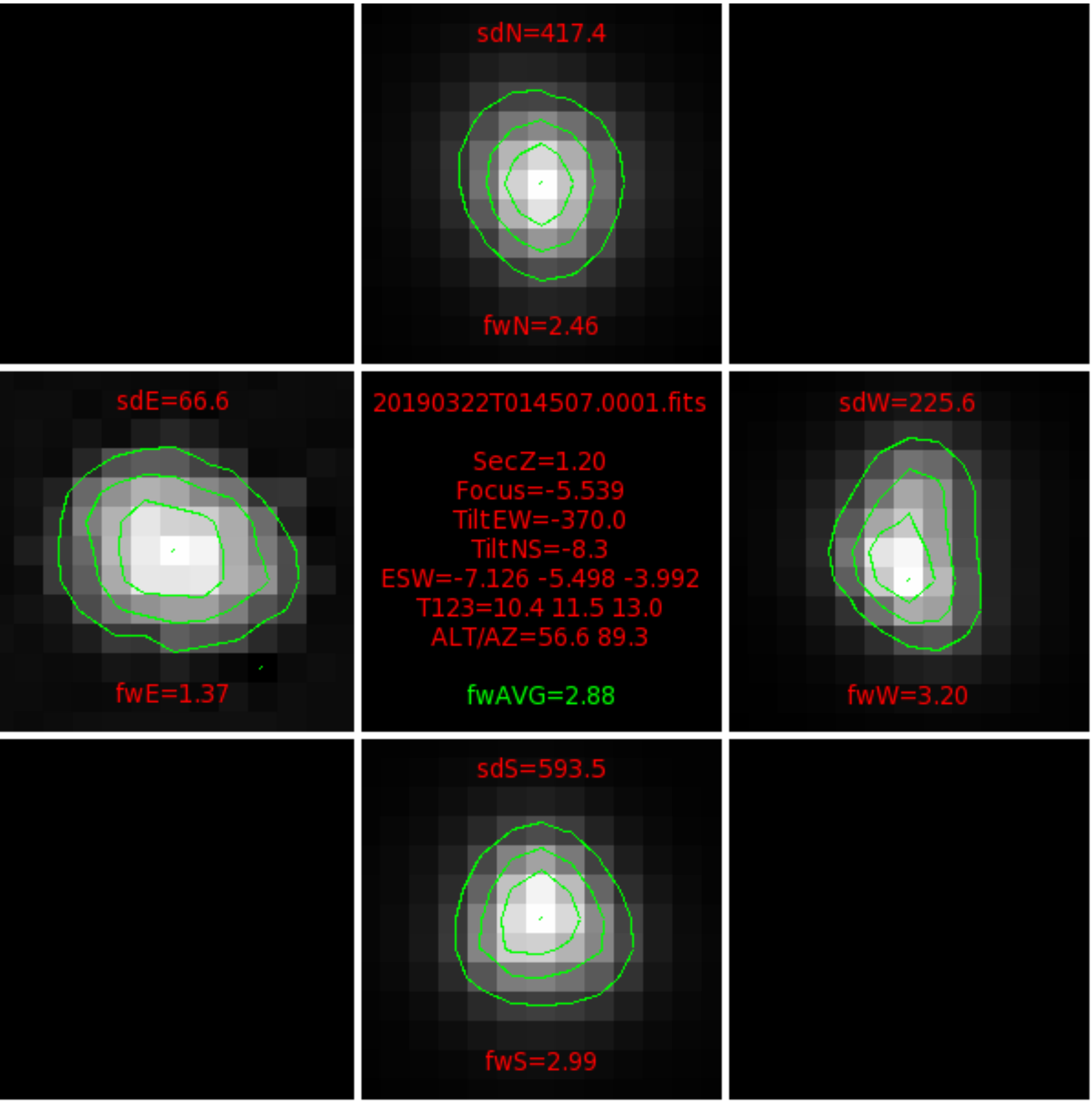
sdN=417.4
fwN=2.46
sdE=66.6
fwE=1.37
20190322T014507.0001.fits
SecZ=1.20
Focus=-5.539
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.126 -5.498 -3.992
T123=10.4 11.5 13.0
ALT/AZ=56.6 89.3
fwAVG=2.88
sdW=225.6
fwW=3.20
sdS=593.5
fwS=2.99
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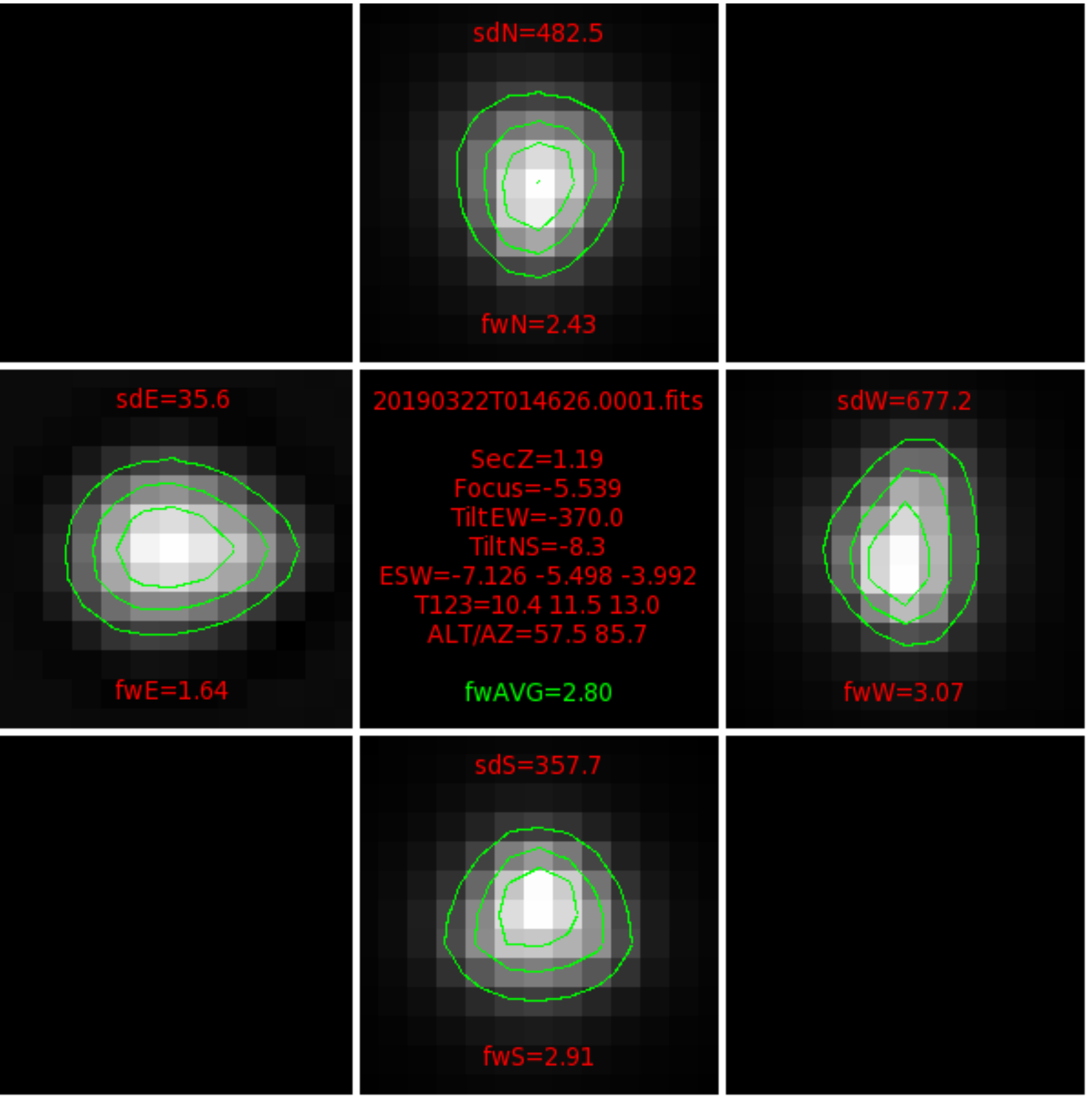
sdN=482.5
fwN=2.43
sdE=35.6
fwE=1.64
20190322T014626.0001.fits
SecZ=1.19
Focus=-5.539
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.126 -5.498 -3.992
T123=10.4 11.5 13.0
ALT/AZ=57.5 85.7
fwAVG=2.80
sdW=677.2
fwW=3.07
sdS=357.7
fwS=2.91
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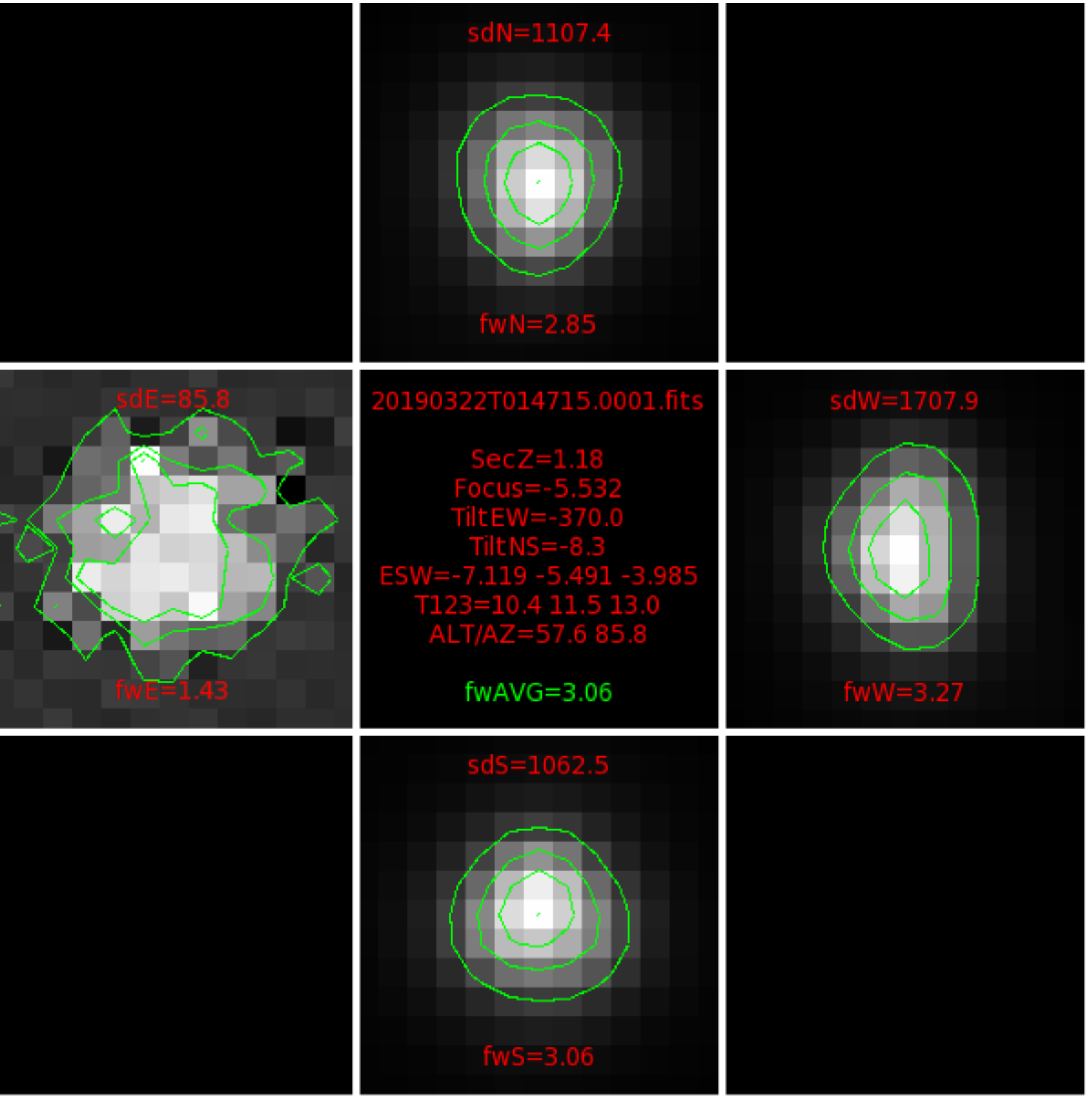
sdN=1107.4
fwN=2.85
sdE=85.8
fwE=1.43
20190322T014715.0001.fits
SecZ=1.18
Focus=-5.532
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.119 -5.491 -3.985
T123=10.4 11.5 13.0
ALT/AZ=57.6 85.8
fwAVG=3.06
sdW=1707.9
fwW=3.27
sdS=1062.5
fwS=3.06
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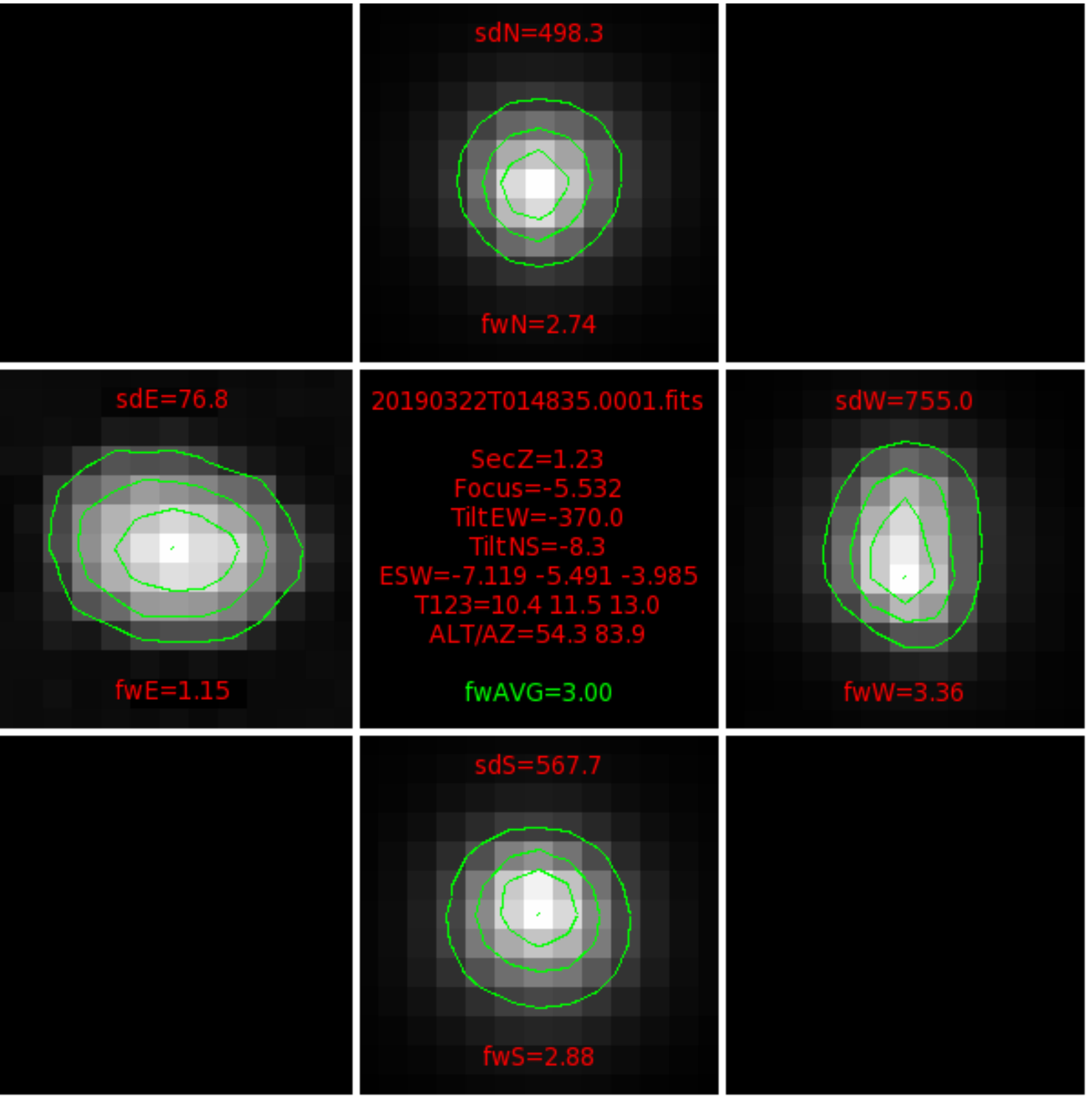
sdN=498.3
fwN=2.74
sdE=76.8
fwE=1.15
20190322T014835.0001.fits
SecZ=1.23
Focus=-5.532
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.119 -5.491 -3.985
T123=10.4 11.5 13.0
ALT/AZ=54.3 83.9
fwAVG=3.00
sdW=755.0
fwW=3.36
sdS=567.7
fwS=2.88
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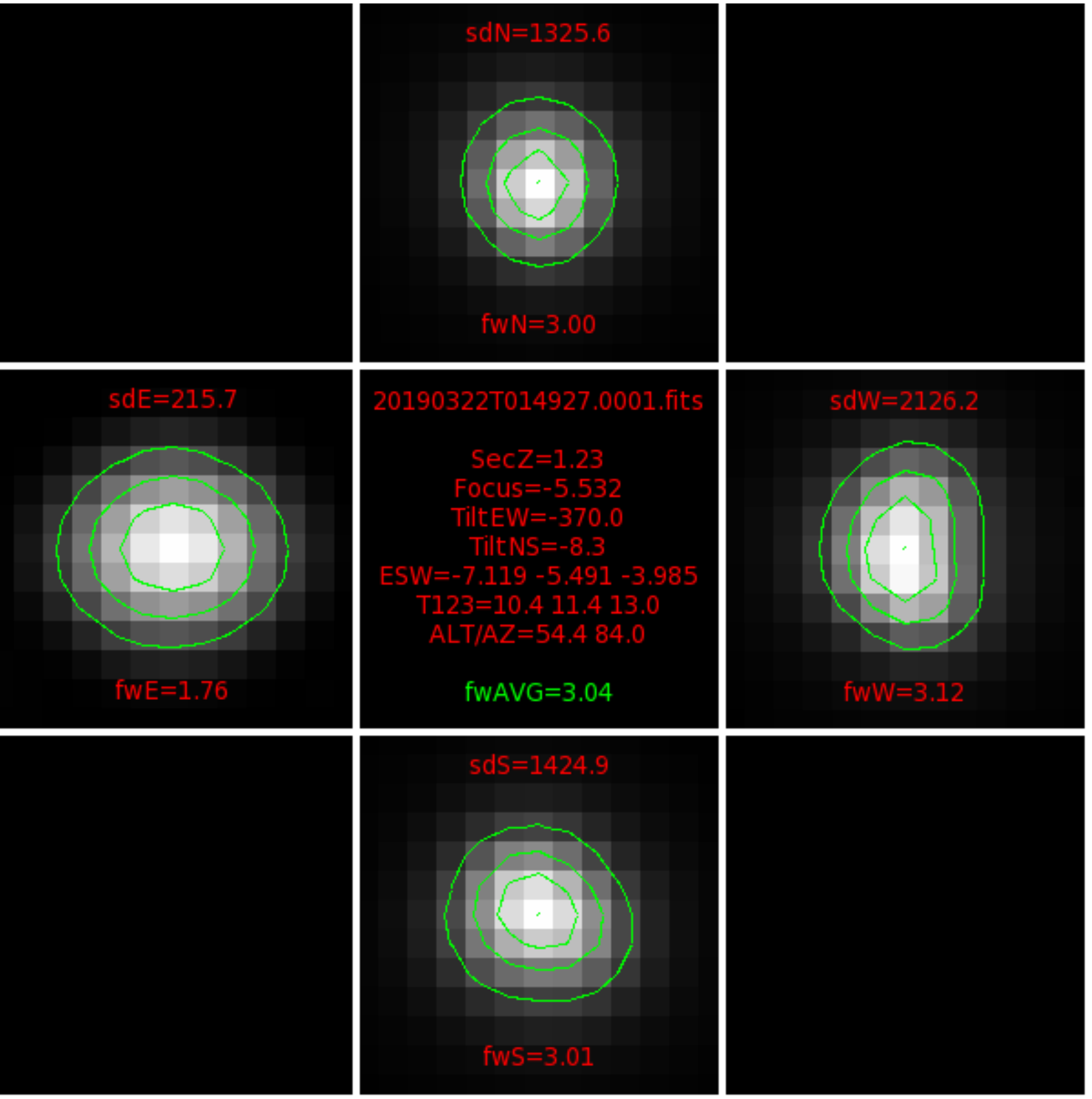
sdN=1325.6
fwN=3.00
sdE=215.7
fwE=1.76
20190322T014927.0001.fits
SecZ=1.23
Focus=-5.532
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.119 -5.491 -3.985
T123=10.4 11.4 13.0
ALT/AZ=54.4 84.0
fwAVG=3.04
sdW=2126.2
fwW=3.12
sdS=1424.9
fwS=3.01
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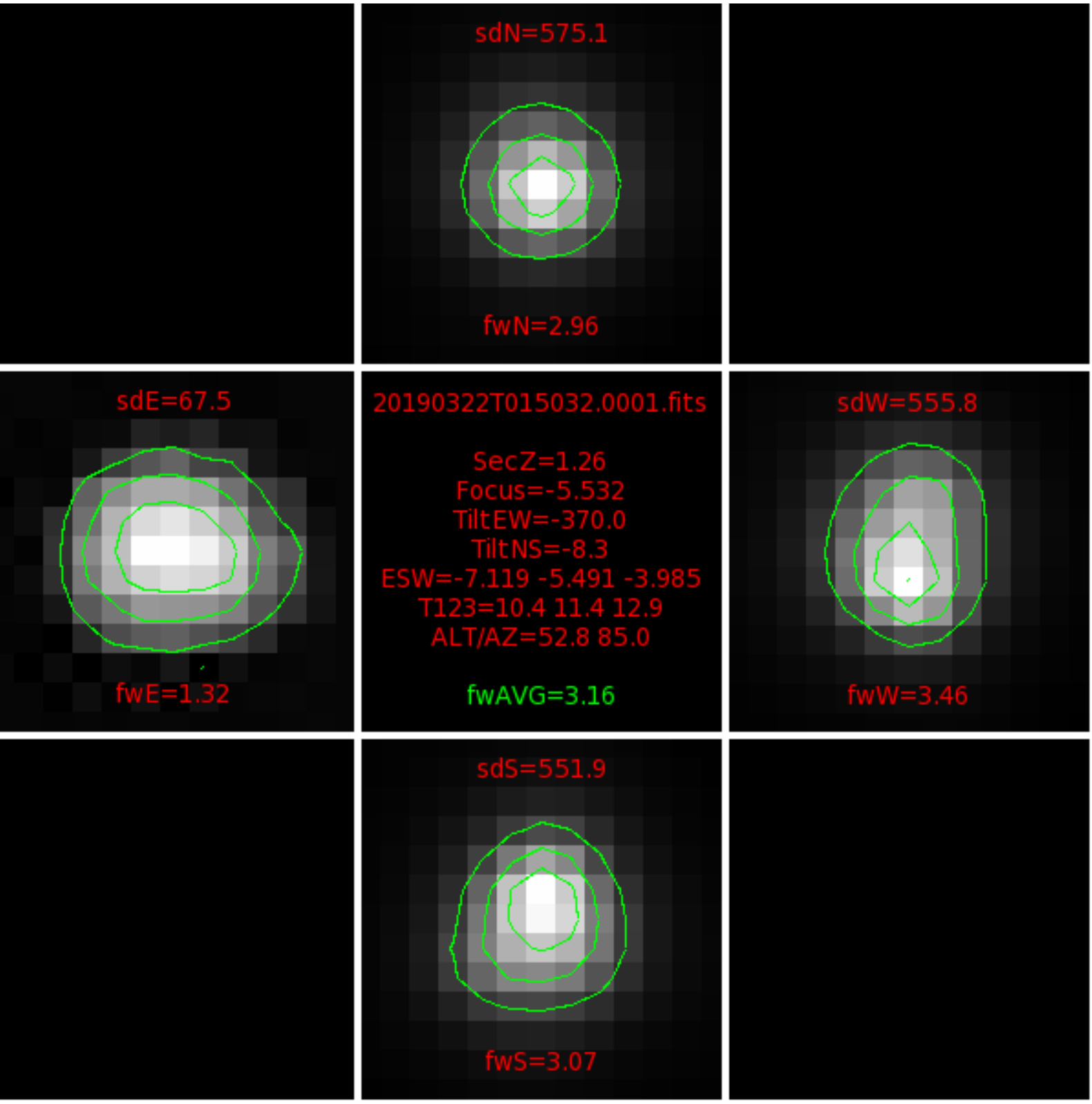
sdN=575.1
fwN=2.96
sdE=67.5
fwE=1.32
20190322T015032.0001.fits
SecZ=1.26
Focus=-5.532
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.119 -5.491 -3.985
T123=10.4 11.4 12.9
ALT/AZ=52.8 85.0
fwAVG=3.16
sdW=555.8
fwW=3.46
sdS=551.9
fwS=3.07
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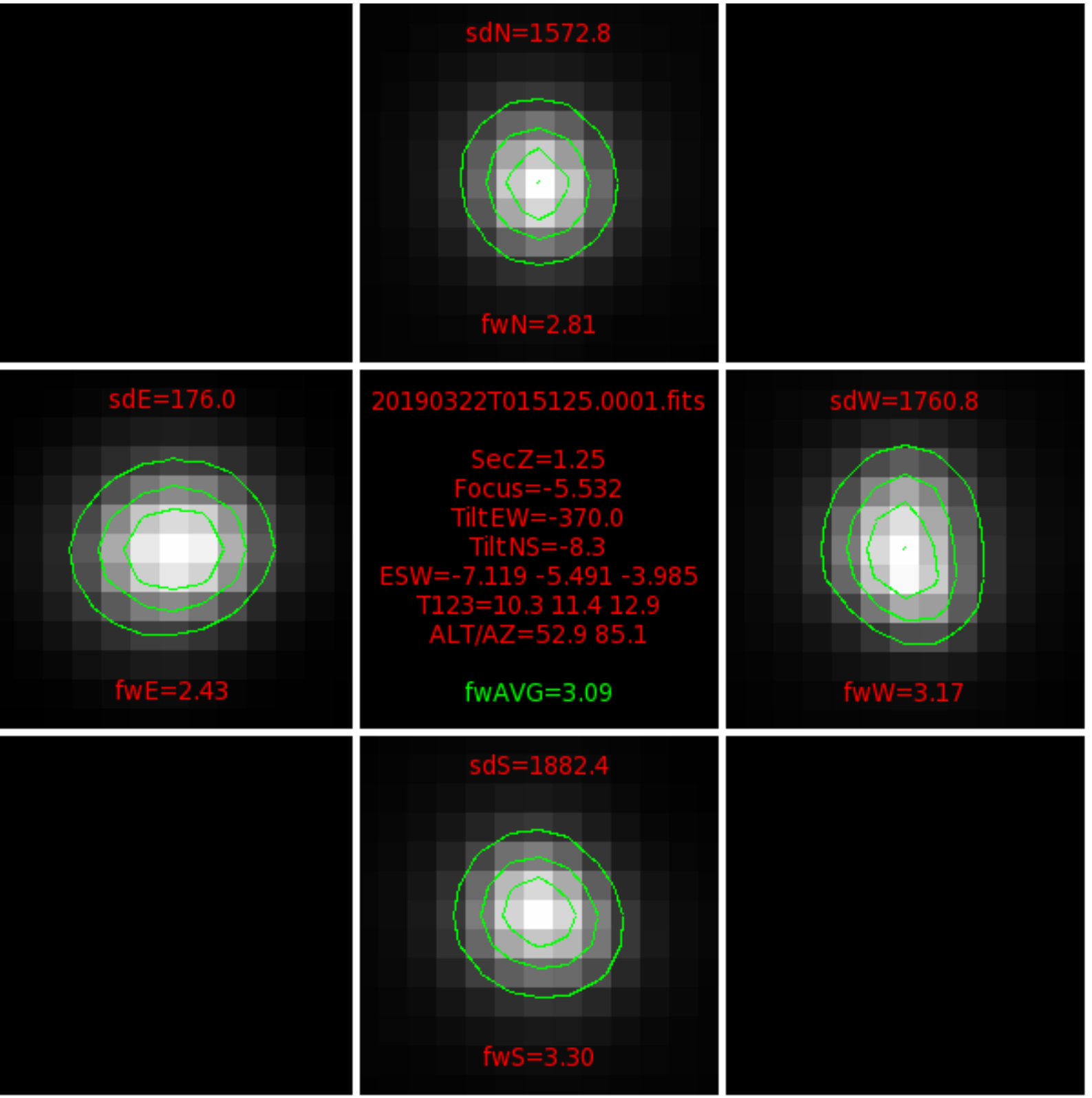
sdN=1572.8
fwN=2.81
sdE=176.0
fwE=2.43
20190322T015125.0001.fits
SecZ=1.25
Focus=-5.532
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.119 -5.491 -3.985
T123=10.3 11.4 12.9
ALT/AZ=52.9 85.1
fwAVG=3.09
sdW=1760.8
fwW=3.17
sdS=1882.4
fwS=3.30
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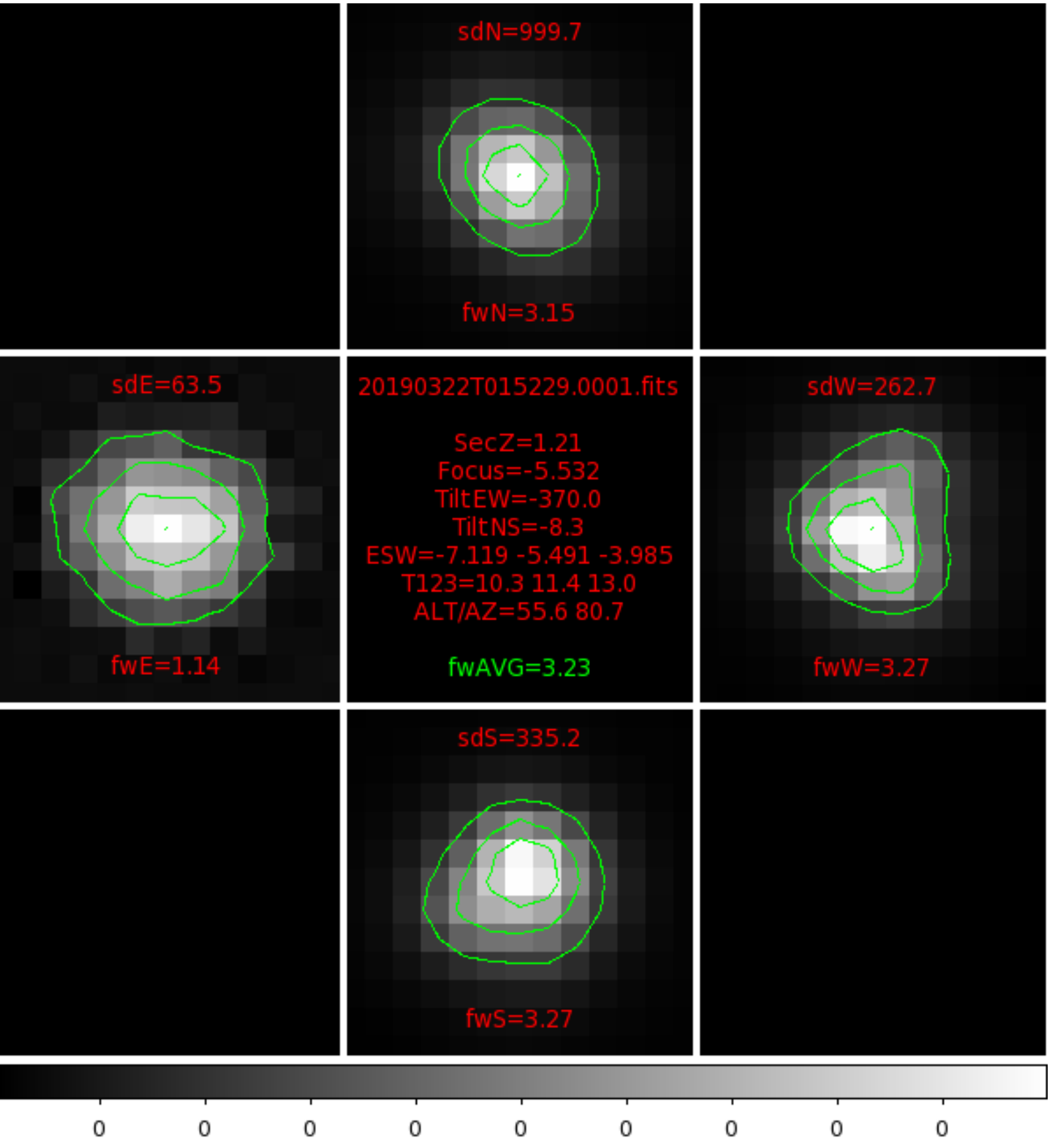
sdN=999.7
fwN=3.15
sdE=63.5
fwE=1.14
20190322T015229.0001.fits
SecZ=1.21
Focus=-5.532
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.119 -5.491 -3.985
T123=10.3 11.4 13.0
ALT/AZ=55.6 80.7
fwAVG=3.23
sdW=262.7
fwW=3.27
sdS=335.2
fwS=3.27
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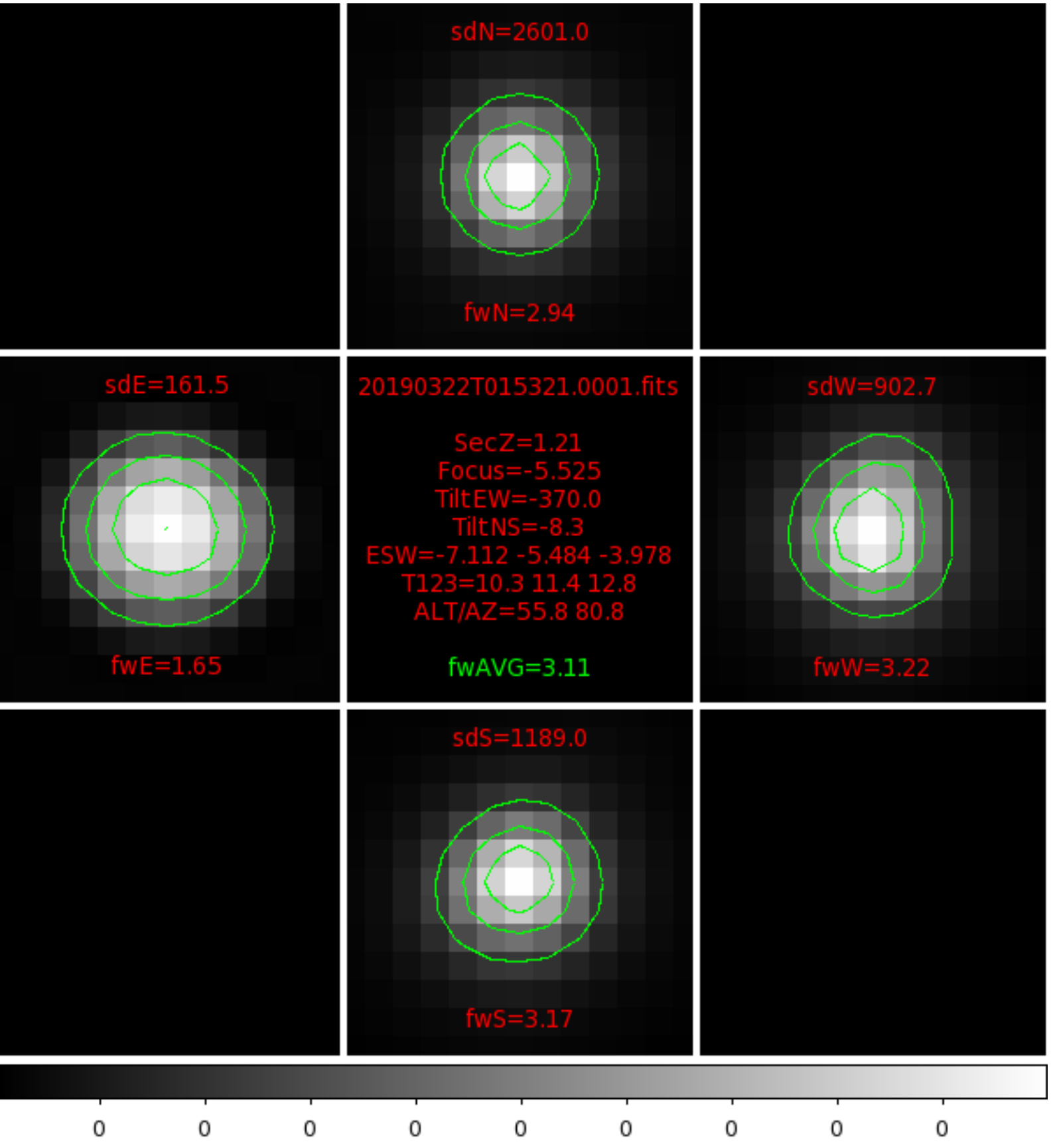
sdN=2601.0
fwN=2.94
sdE=161.5
fwE=1.65
20190322T015321.0001.fits
SecZ=1.21
Focus=-5.525
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.112 -5.484 -3.978
T123=10.3 11.4 12.8
ALT/AZ=55.8 80.8
fwAVG=3.11
sdW=902.7
fwW=3.22
sdS=1189.0
fwS=3.17
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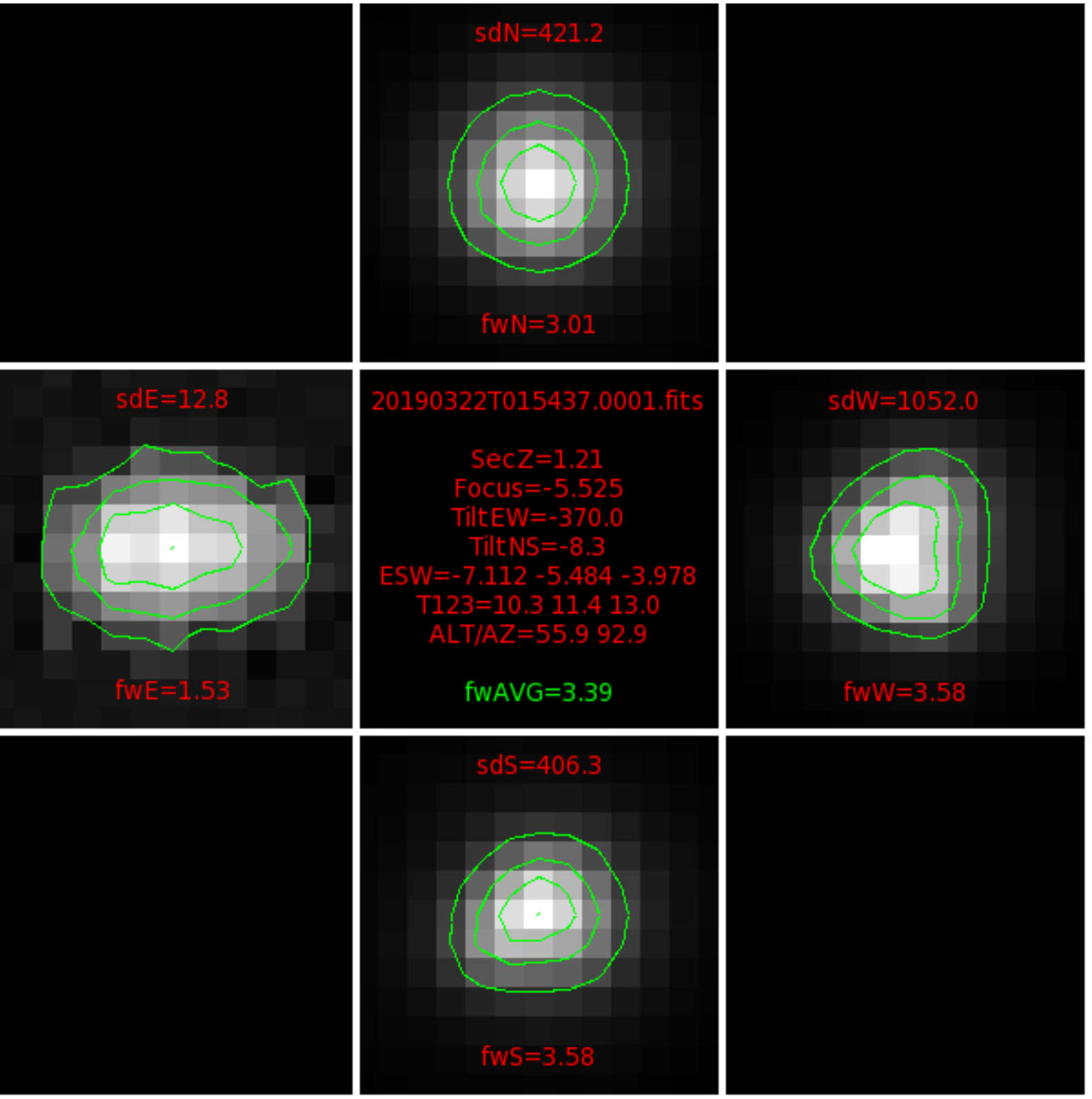
sdN=421.2
fwN=3.01
sdE=12.8
fwE=1.53
20190322T015437.0001.fits
SecZ=1.21
Focus=-5.525
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.112 -5.484 -3.978
T123=10.3 11.4 13.0
ALT/AZ=55.9 92.9
fwAVG=3.39
sdW=1052.0
fwW=3.58
sdS=406.3
fwS=3.58
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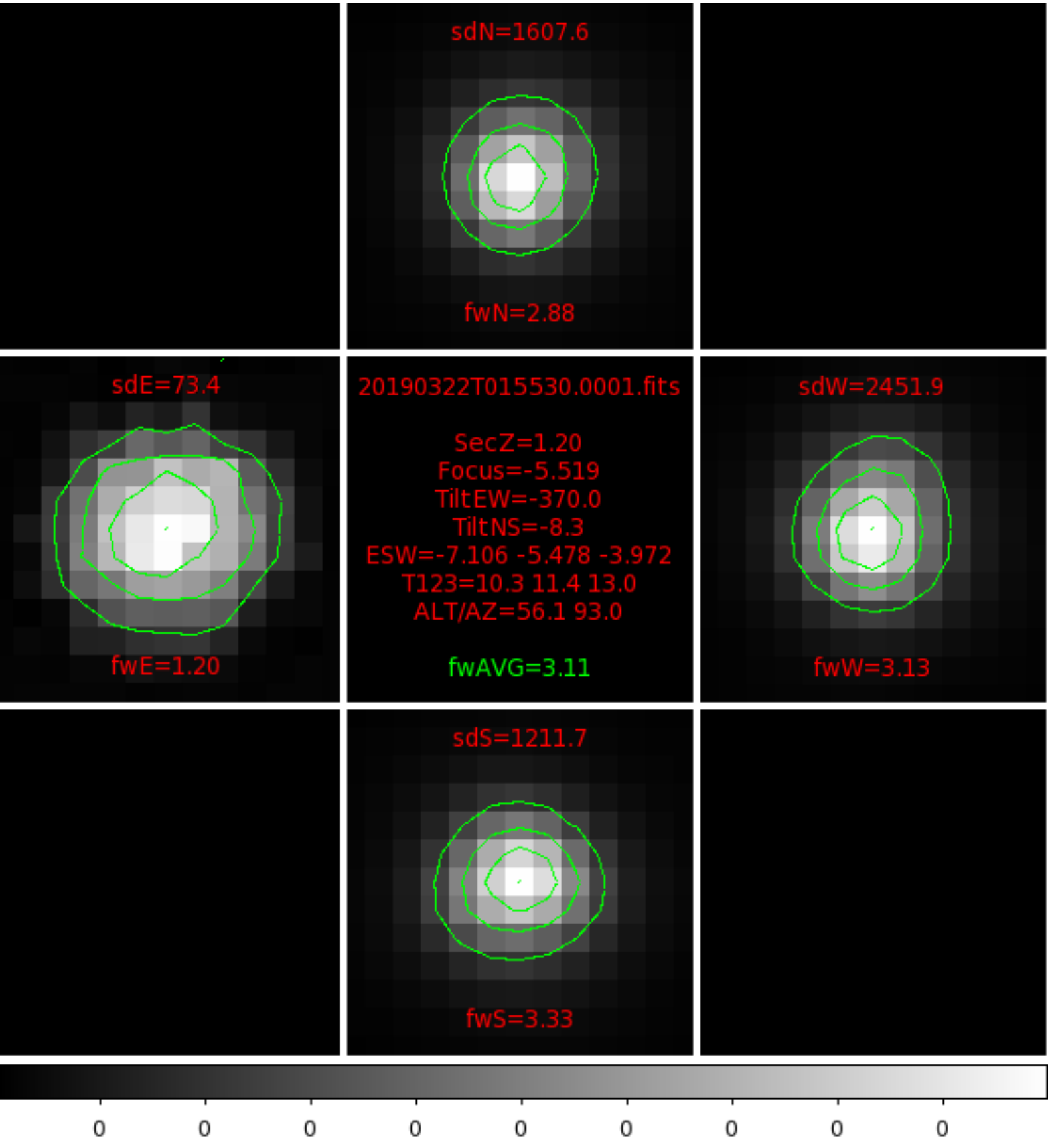
sdN=1607.6
fwN=2.88
sdE=73.4
fwE=1.20
20190322T015530.0001.fits
SecZ=1.20
Focus=-5.519
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.106 -5.478 -3.972
T123=10.3 11.4 13.0
ALT/AZ=56.1 93.0
fwAVG=3.11
sdW=2451.9
fwW=3.13
sdS=1211.7
fwS=3.33
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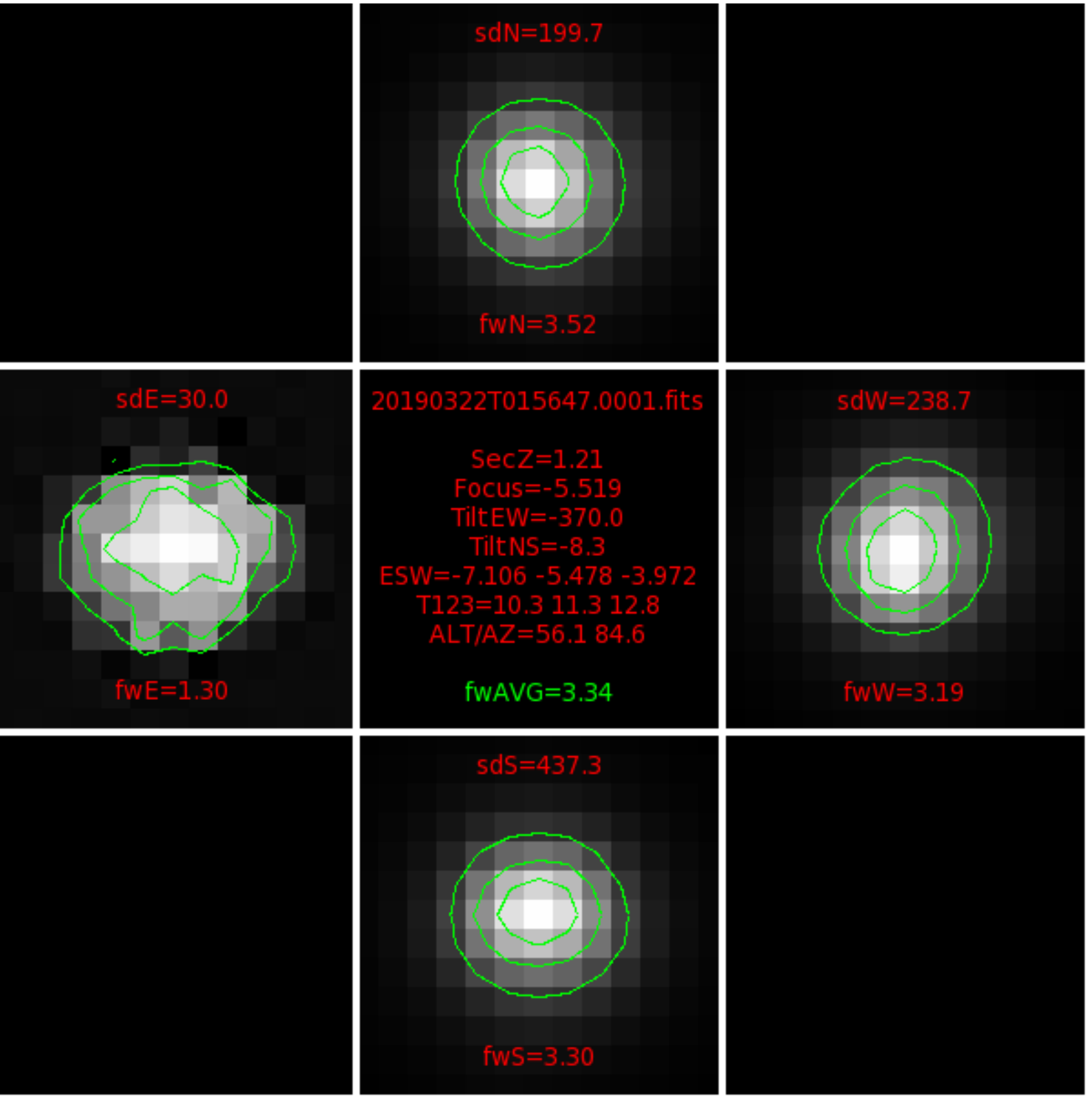
sdN=199.7
fwN=3.52
sdE=30.0
fwE=1.30
20190322T015647.0001.fits
SecZ=1.21
Focus=-5.519
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.106 -5.478 -3.972
T123=10.3 11.3 12.8
ALT/AZ=56.1 84.6
fwAVG=3.34
sdW=238.7
fwW=3.19
sdS=437.3
fwS=3.30
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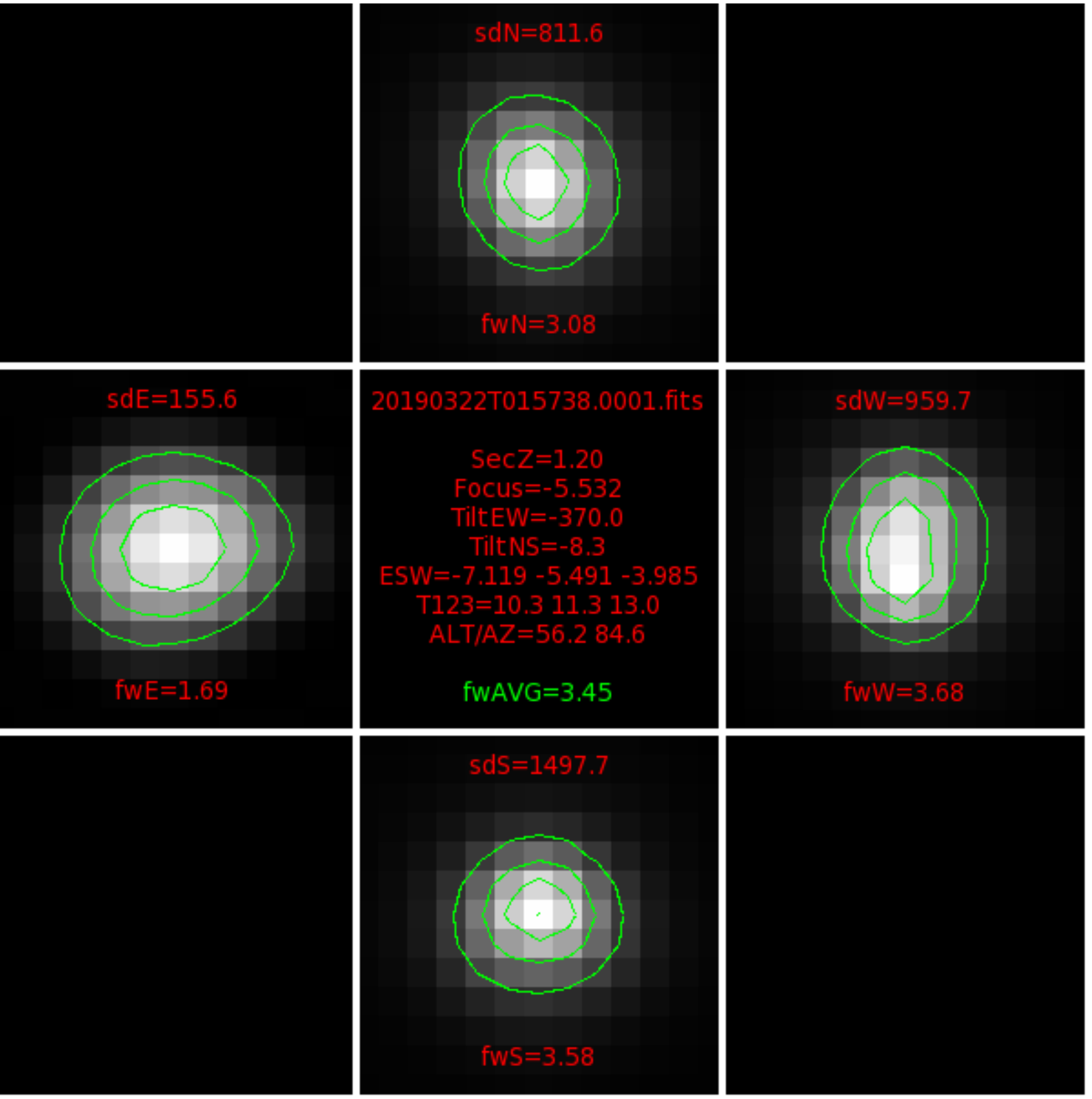
sdN=811.6
fwN=3.08
sdE=155.6
fwE=1.69
20190322T015738.0001.fits
SecZ=1.20
Focus=-5.532
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.119 -5.491 -3.985
T123=10.3 11.3 13.0
ALT/AZ=56.2 84.6
fwAVG=3.45
sdW=959.7
fwW=3.68
sdS=1497.7
fwS=3.58
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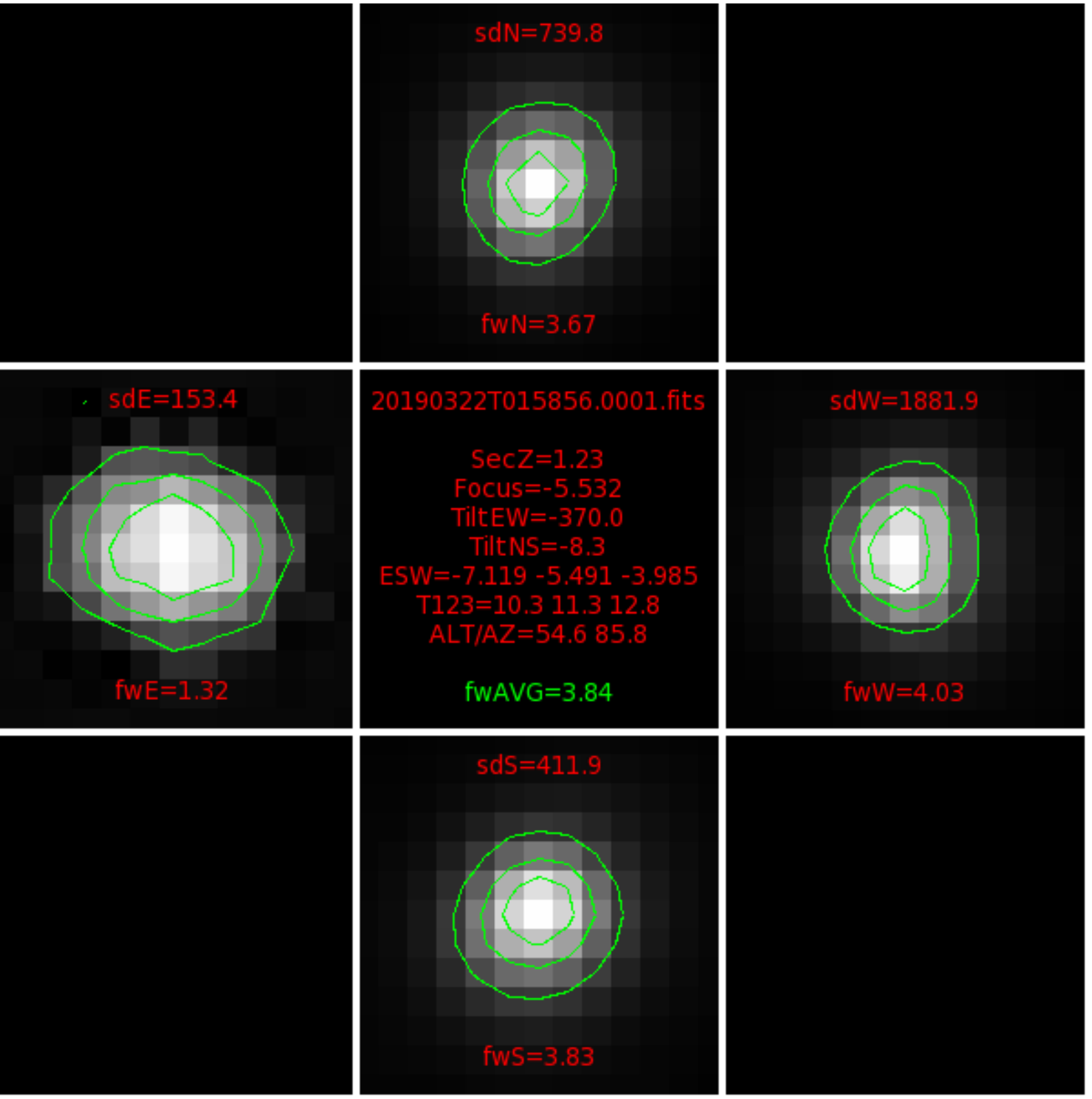
sdN=739.8
fwN=3.67
sdE=153.4
fwE=1.32
20190322T015856.0001.fits
SecZ=1.23
Focus=-5.532
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.119 -5.491 -3.985
T123=10.3 11.3 12.8
ALT/AZ=54.6 85.8
fwAVG=3.84
sdW=1881.9
fwW=4.03
sdS=411.9
fwS=3.83
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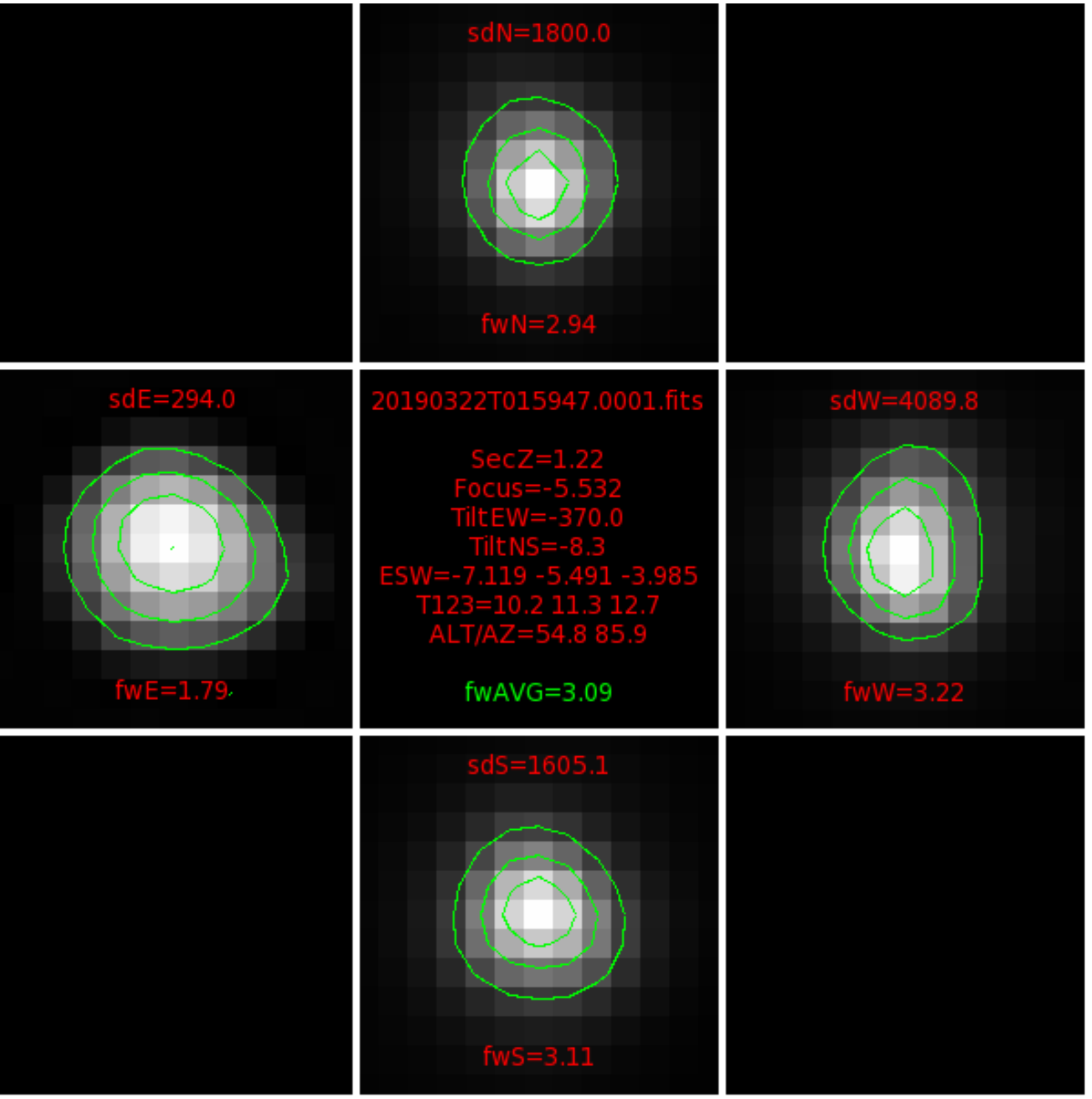
sdN=1800.0
fwN=2.94
sdE=294.0
fwE=1.79
20190322T015947.0001.fits
SecZ=1.22
Focus=-5.532
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.119 -5.491 -3.985
T123=10.2 11.3 12.7
ALT/AZ=54.8 85.9
fwAVG=3.09
sdW=4089.8
fwW=3.22
sdS=1605.1
fwS=3.11
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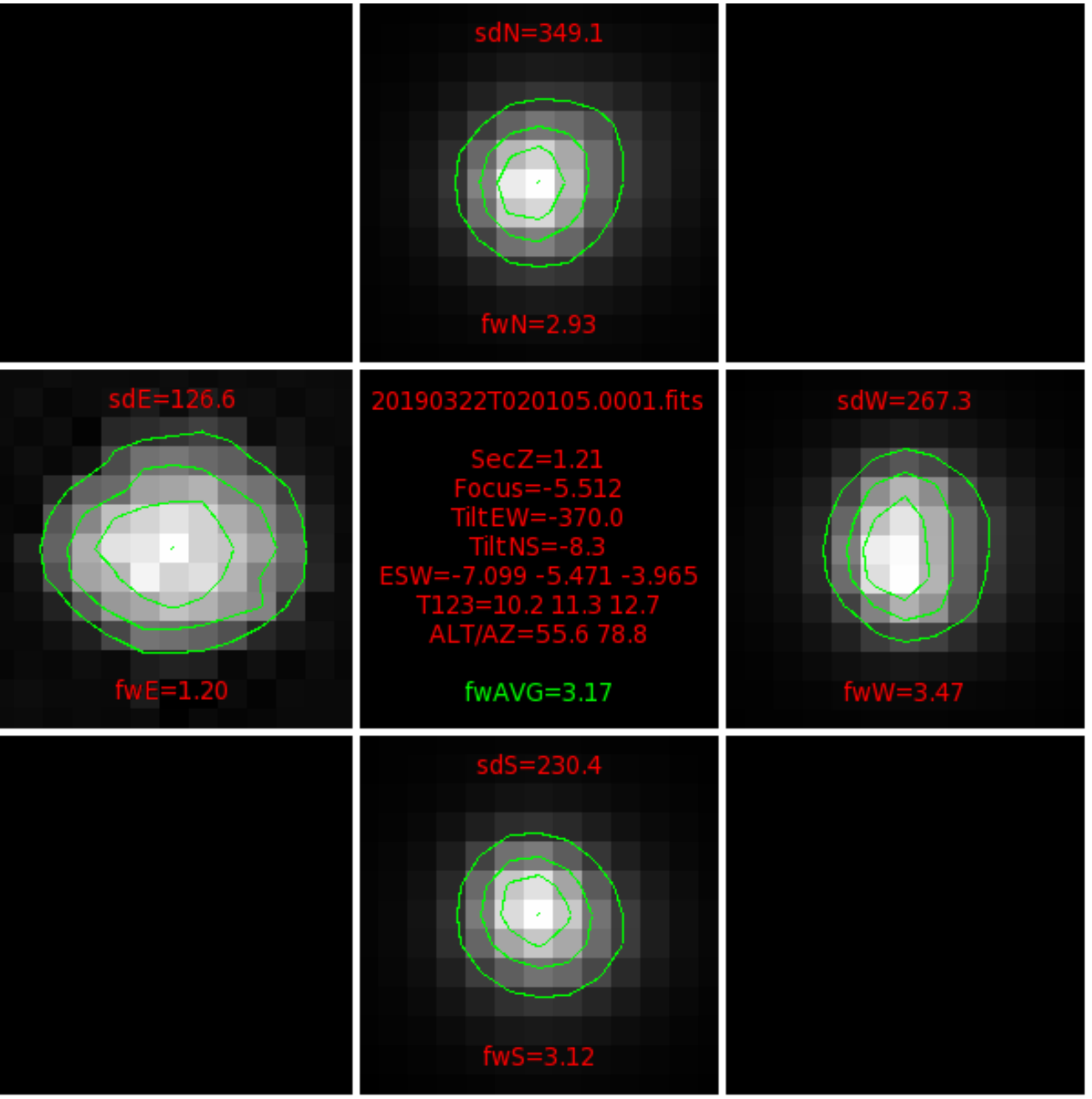
sdN=349.1
fwN=2.93
sdE=126.6
fwE=1.20
20190322T020105.0001.fits
SecZ=1.21
Focus=-5.512
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.099 -5.471 -3.965
T123=10.2 11.3 12.7
ALT/AZ=55.6 78.8
fwAVG=3.17
sdW=267.3
fwW=3.47
sdS=230.4
fwS=3.12
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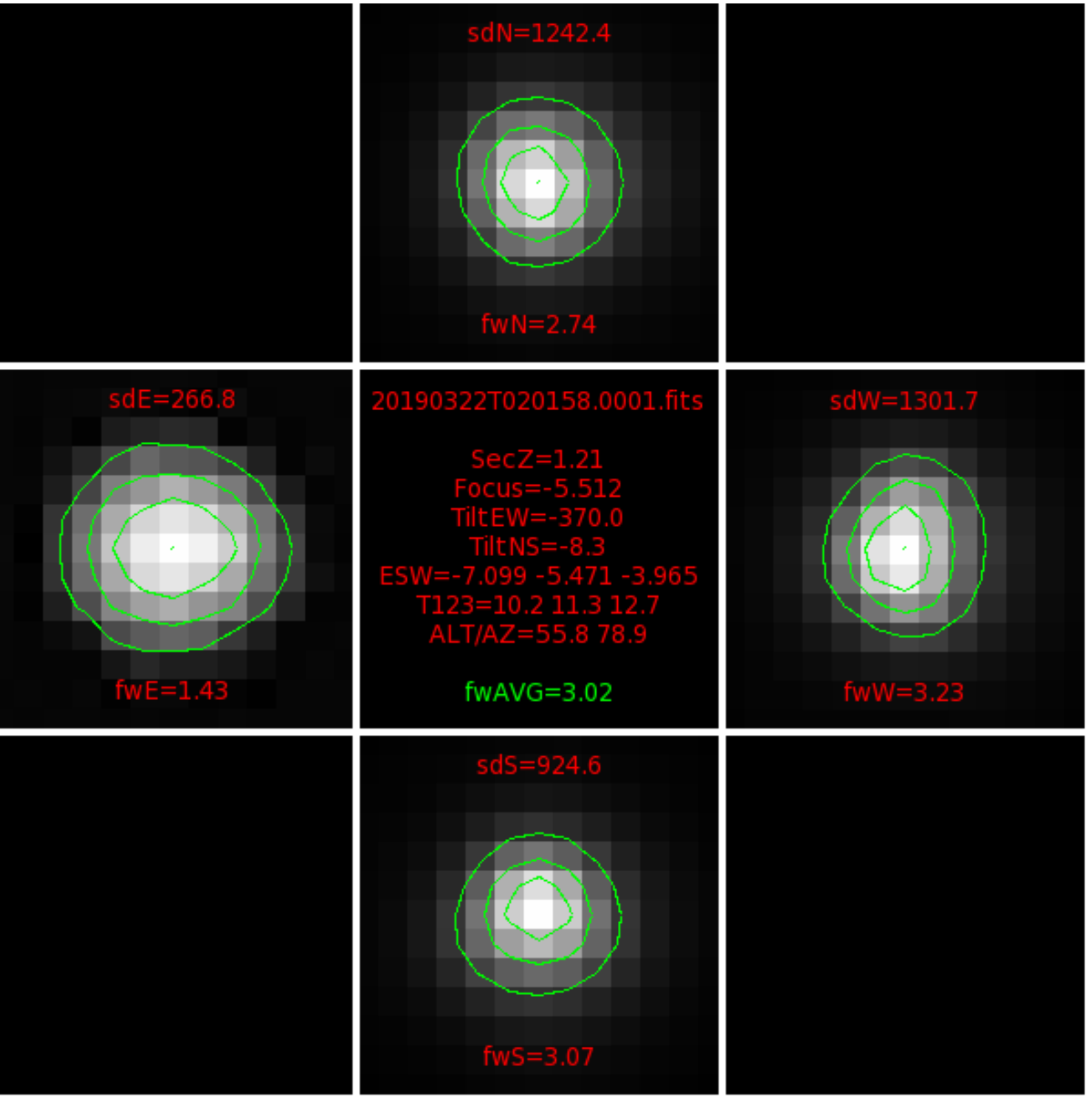
sdN=1242.4
fwN=2.74
sdE=266.8
fwE=1.43
20190322T020158.0001.fits
SecZ=1.21
Focus=-5.512
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.099 -5.471 -3.965
T123=10.2 11.3 12.7
ALT/AZ=55.8 78.9
fwAVG=3.02
sdW=1301.7
fwW=3.23
sdS=924.6
fwS=3.07
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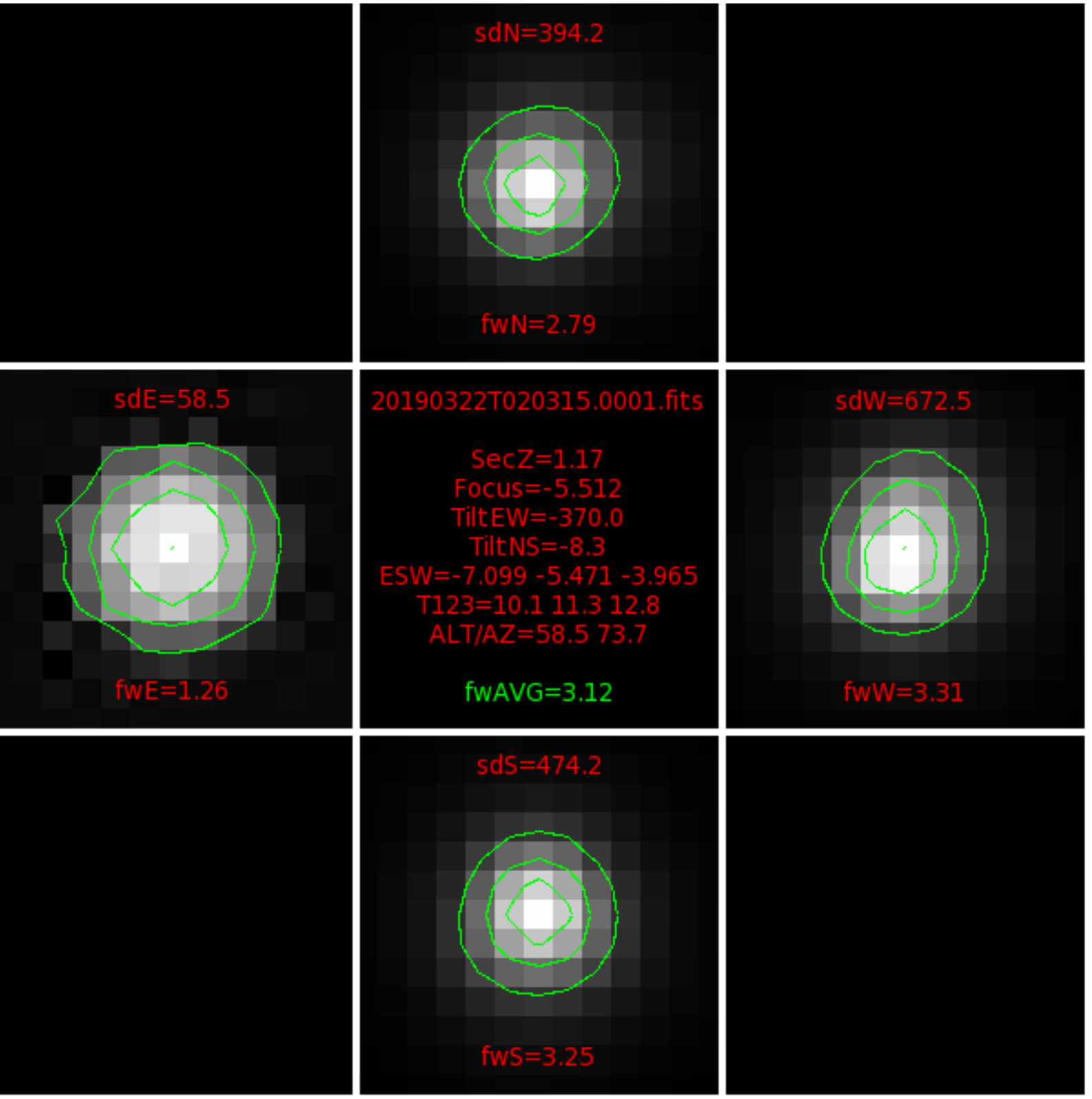
sdN=394.2
fwN=2.79
sdE=58.5
fwE=1.26
20190322T020315.0001.fits
SecZ=1.17
Focus=-5.512
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.099 -5.471 -3.965
T123=10.1 11.3 12.8
ALT/AZ=58.5 73.7
fwAVG=3.12
sdW=672.5
fwW=3.31
sdS=474.2
fwS=3.25
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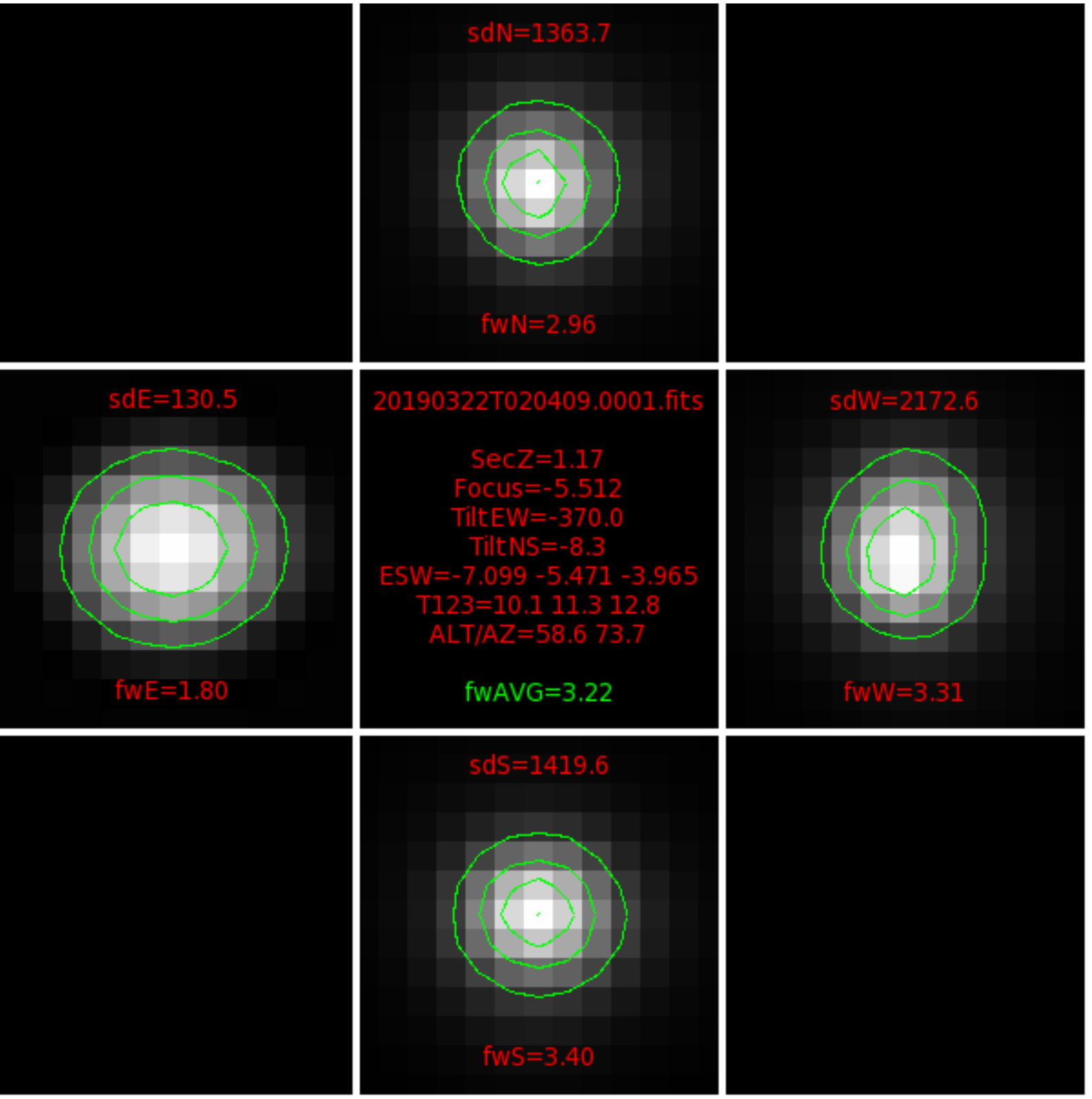
sdN=1363.7
fwN=2.96
sdE=130.5
fwE=1.80
20190322T020409.0001.fits
SecZ=1.17
Focus=-5.512
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.099 -5.471 -3.965
T123=10.1 11.3 12.8
ALT/AZ=58.6 73.7
fwAVG=3.22
sdW=2172.6
fwW=3.31
sdS=1419.6
fwS=3.40
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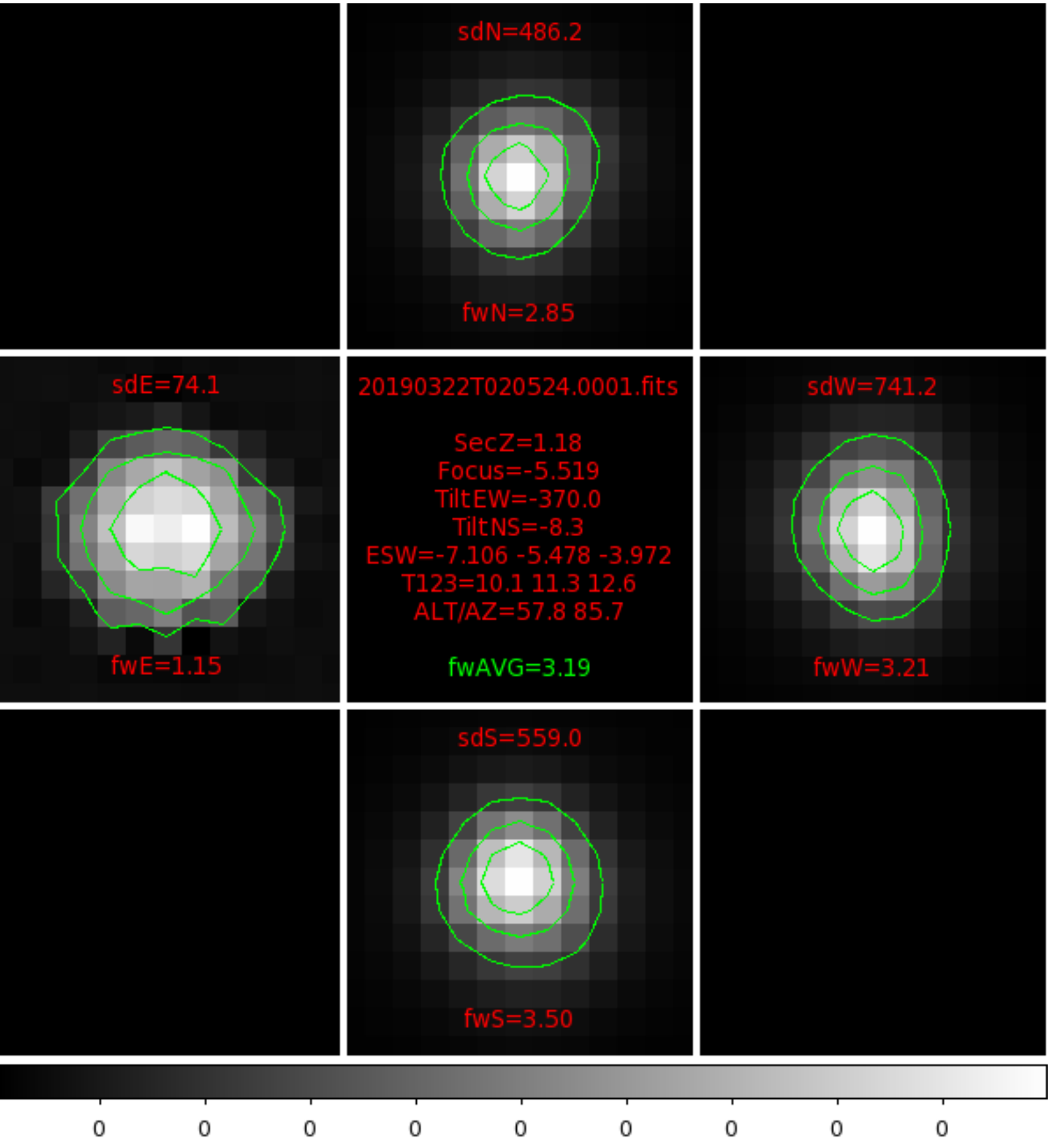
sdN=486.2
fwN=2.85
sdE=74.1
fwE=1.15
20190322T020524.0001.fits
SecZ=1.18
Focus=-5.519
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.106 -5.478 -3.972
T123=10.1 11.3 12.6
ALT/AZ=57.8 85.7
fwAVG=3.19
sdW=741.2
fwW=3.21
sdS=559.0
fwS=3.50
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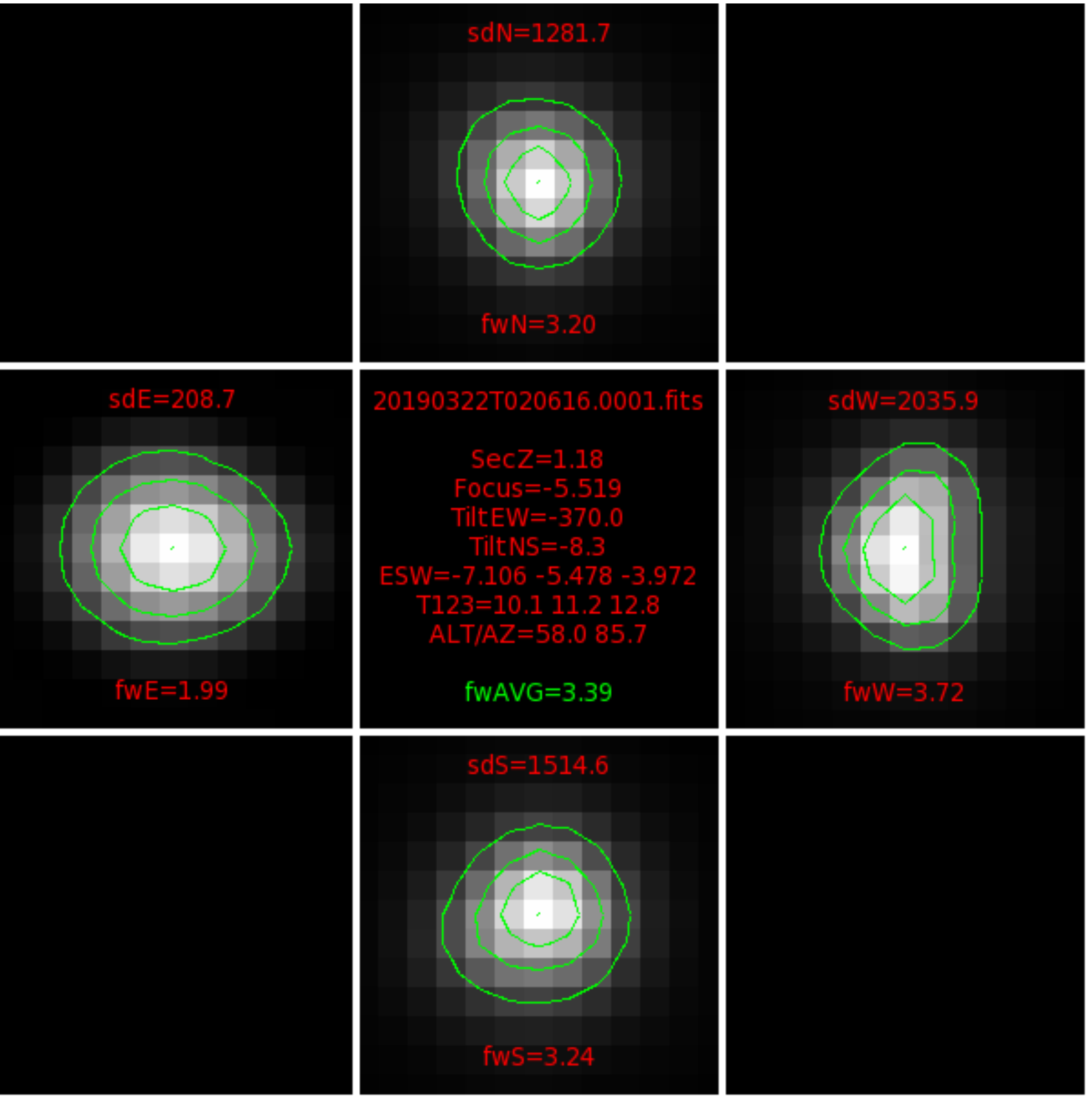
sdN=1281.7
fwN=3.20
sdE=208.7
fwE=1.99
20190322T020616.0001.fits
SecZ=1.18
Focus=-5.519
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.106 -5.478 -3.972
T123=10.1 11.2 12.8
ALT/AZ=58.0 85.7
fwAVG=3.39
sdW=2035.9
fwW=3.72
sdS=1514.6
fwS=3.24
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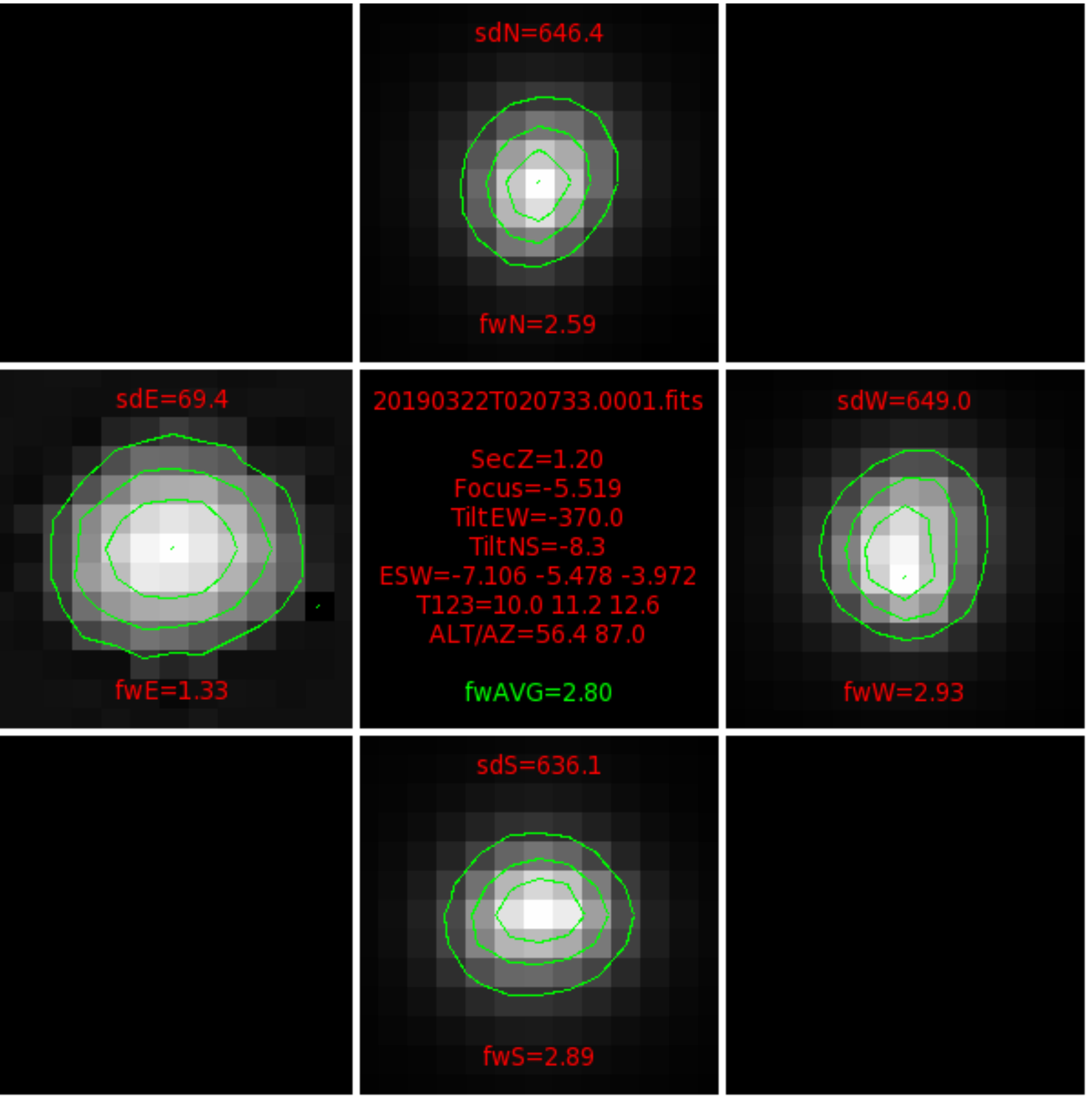
sdN=646.4
fwN=2.59
sdE=69.4
fwE=1.33
20190322T020733.0001.fits
SecZ=1.20
Focus=-5.519
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.106 -5.478 -3.972
T123=10.0 11.2 12.6
ALT/AZ=56.4 87.0
fwAVG=2.80
sdW=649.0
fwW=2.93
sdS=636.1
fwS=2.89
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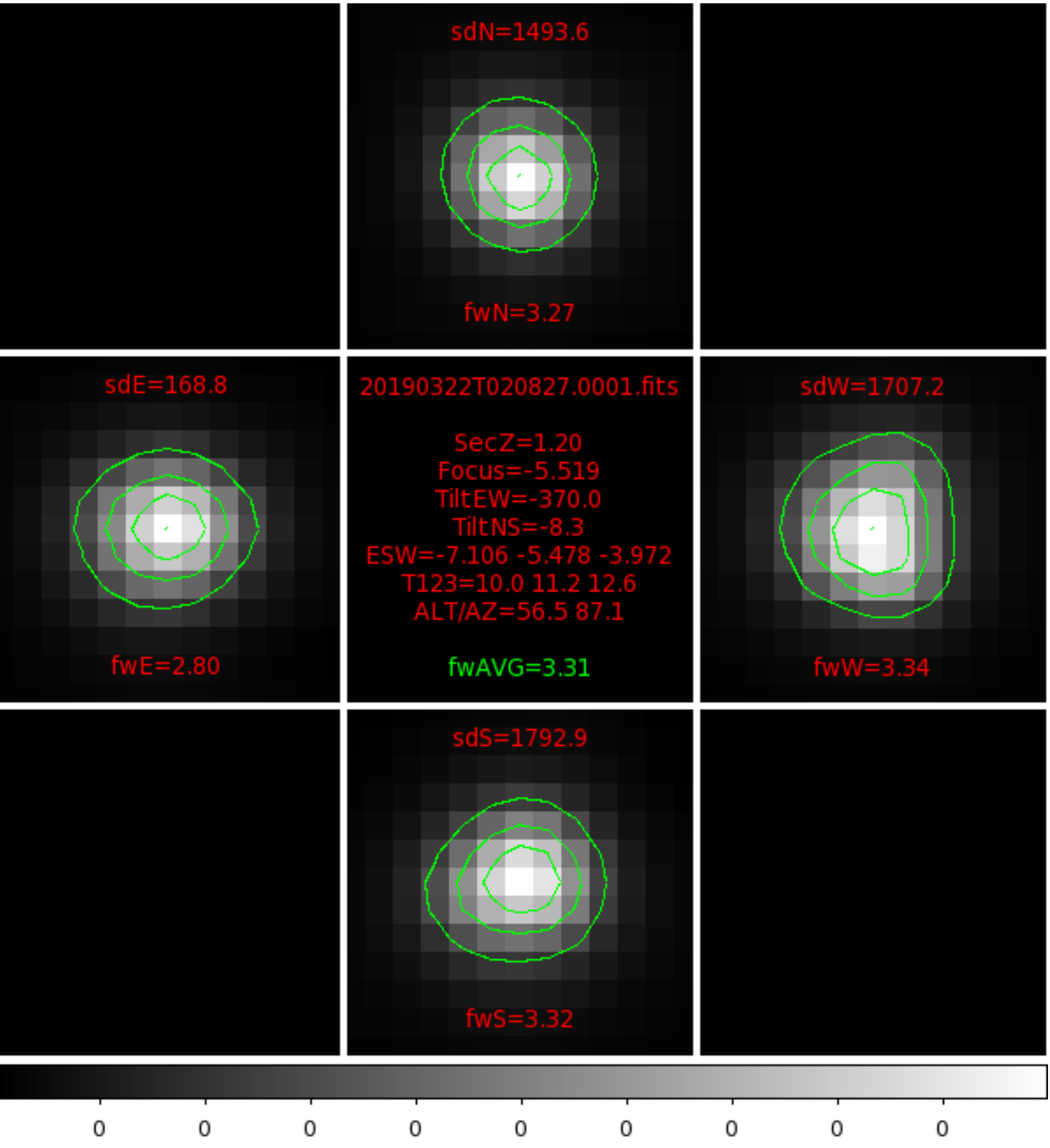
sdN=1493.6
fwN=3.27
sdE=168.8
fwE=2.80
20190322T020827.0001.fits
SecZ=1.20
Focus=-5.519
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.106 -5.478 -3.972
T123=10.0 11.2 12.6
ALT/AZ=56.5 87.1
fwAVG=3.31
sdW=1707.2
fwW=3.34
sdS=1792.9
fwS=3.32
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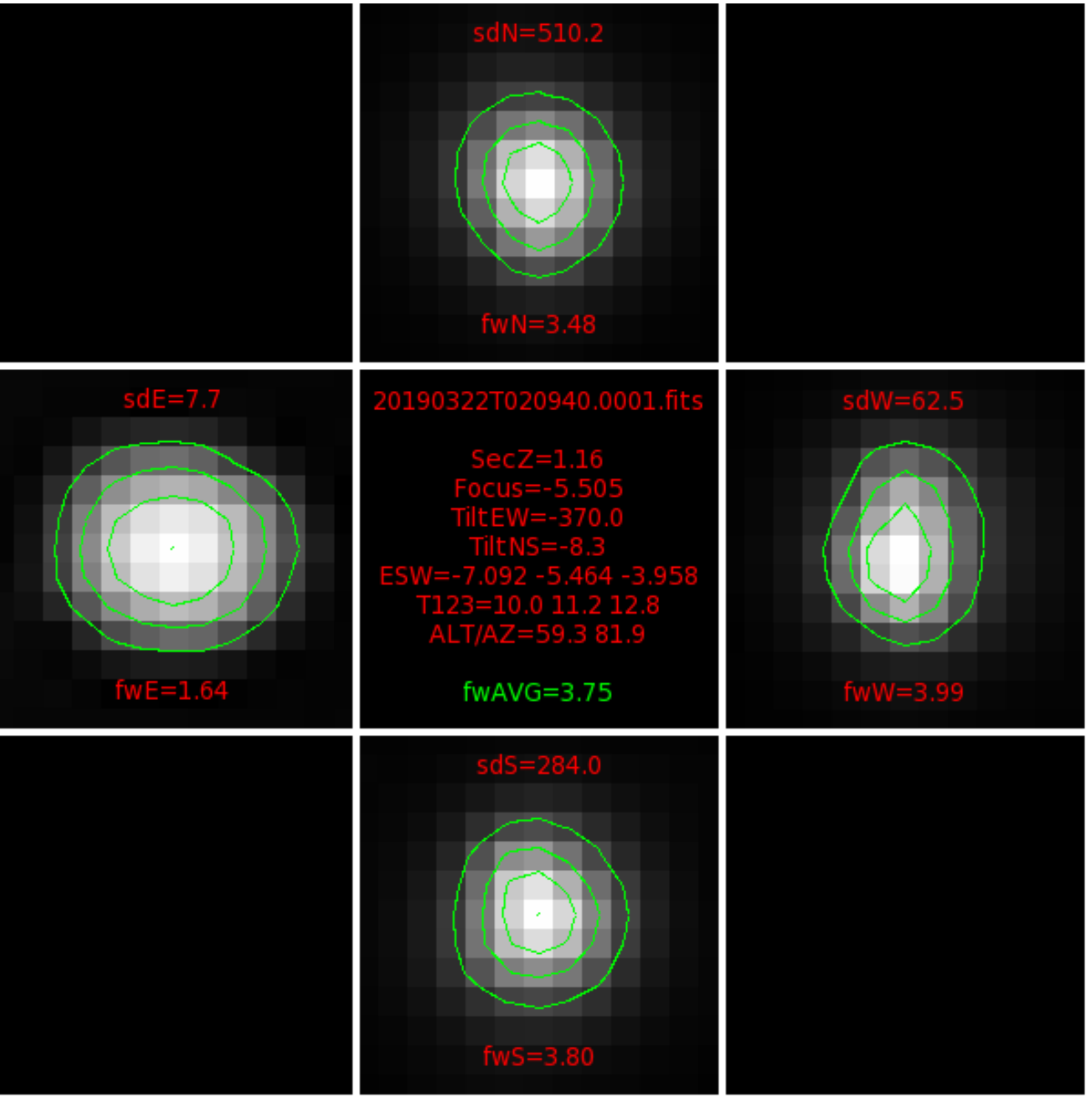
sdN=510.2
fwN=3.48
sdE=7.7
fwE=1.64
20190322T020940.0001.fits
SecZ=1.16
Focus=-5.505
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.092 -5.464 -3.958
T123=10.0 11.2 12.8
ALT/AZ=59.3 81.9
fwAVG=3.75
sdW=62.5
fwW=3.99
sdS=284.0
fwS=3.80
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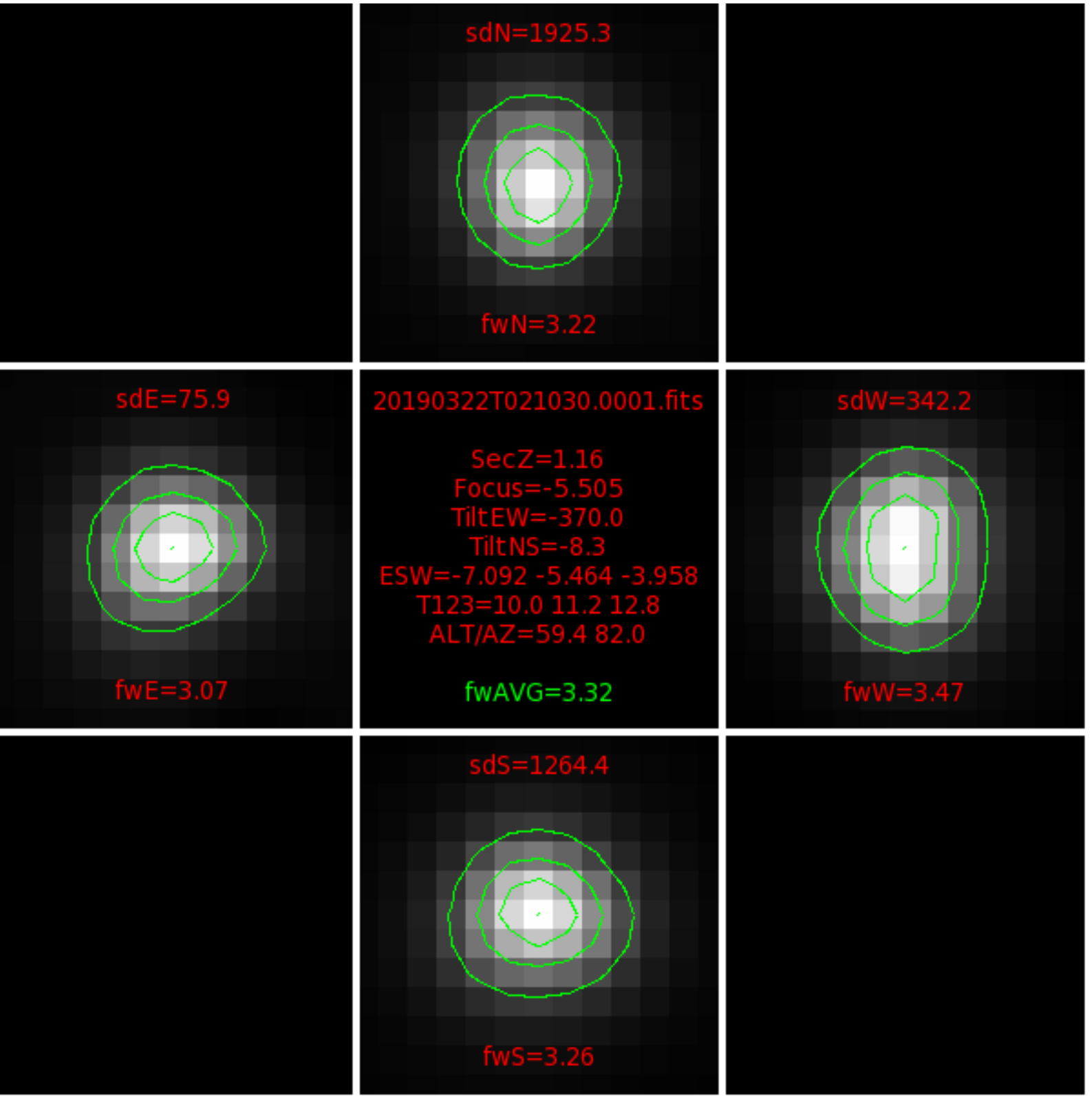
sdN=1925.3
fwN=3.22
sdE=75.9
fwE=3.07
20190322T021030.0001.fits
SecZ=1.16
Focus=-5.505
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.092 -5.464 -3.958
T123=10.0 11.2 12.8
ALT/AZ=59.4 82.0
fwAVG=3.32
sdW=342.2
fwW=3.47
sdS=1264.4
fwS=3.26
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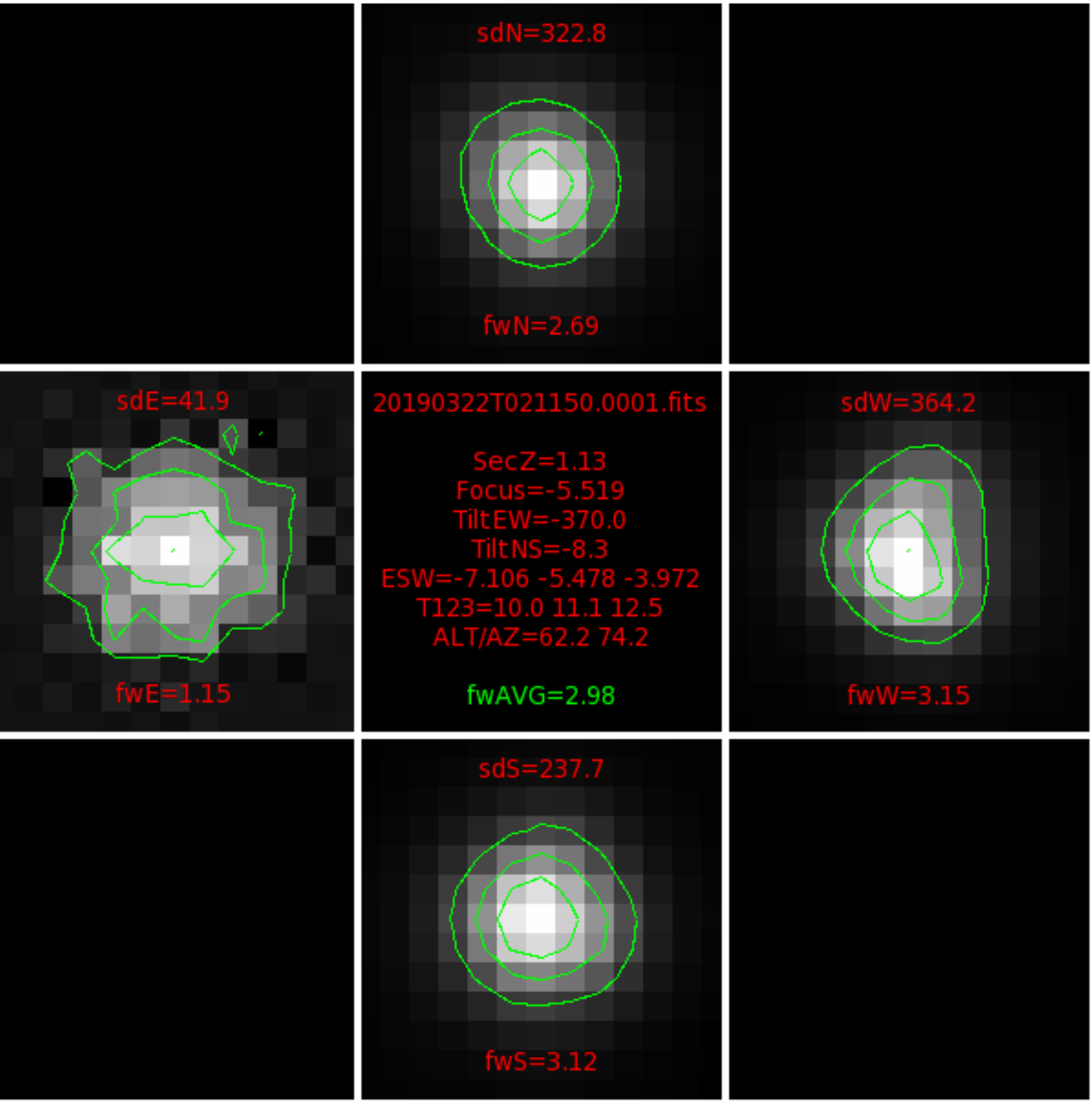
sdN=322.8
fwN=2.69
sdE=41.9
fwE=1.15
20190322T021150.0001.fits
SecZ=1.13
Focus=-5.519
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.106 -5.478 -3.972
T123=10.0 11.1 12.5
ALT/AZ=62.2 74.2
fwAVG=2.98
sdW=364.2
fwW=3.15
sdS=237.7
fwS=3.12
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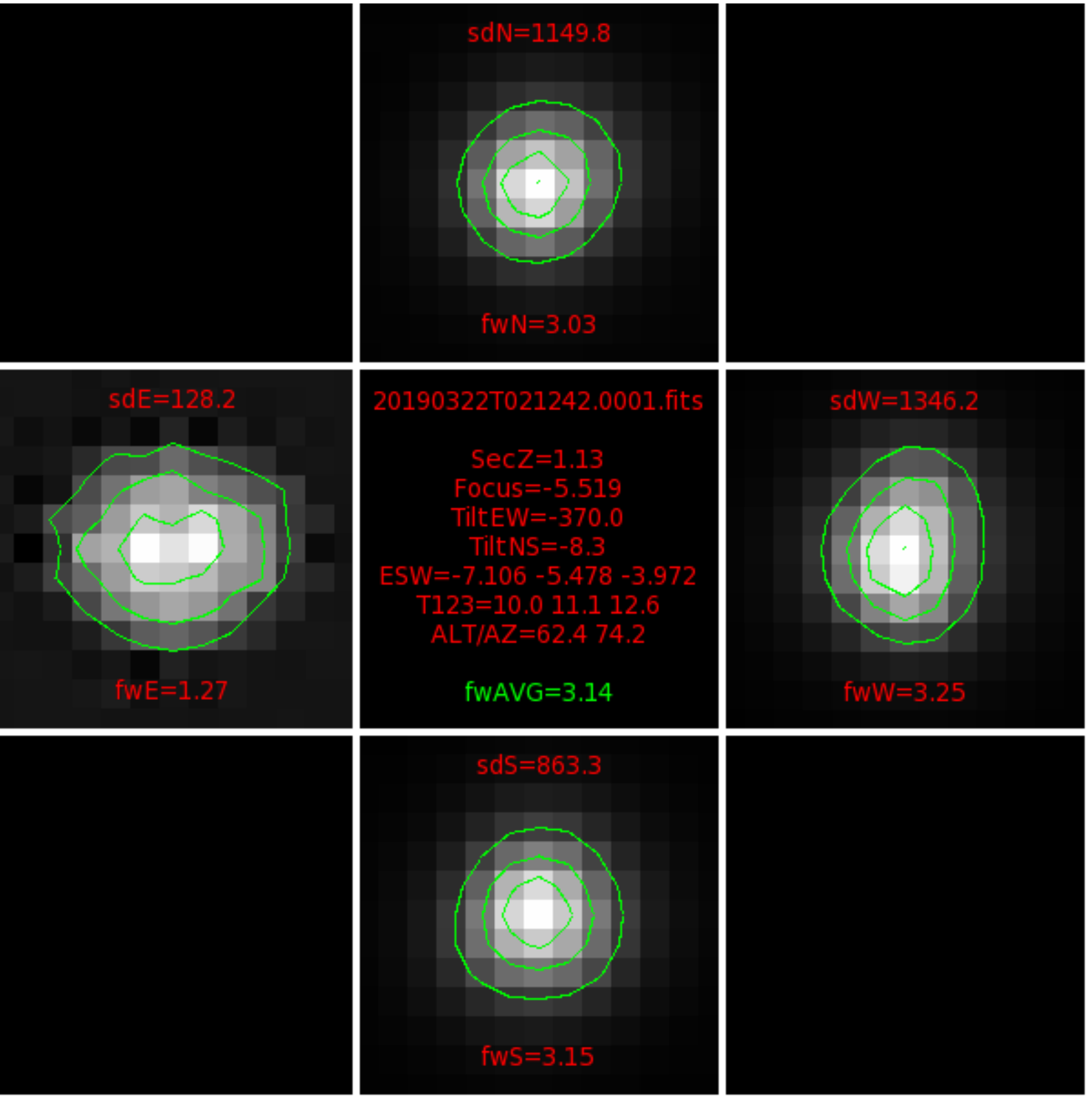
sdN=1149.8
fwN=3.03
sdE=128.2
fwE=1.27
20190322T021242.0001.fits
SecZ=1.13
Focus=-5.519
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.106 -5.478 -3.972
T123=10.0 11.1 12.6
ALT/AZ=62.4 74.2
fwAVG=3.14
sdW=1346.2
fwW=3.25
sdS=863.3
fwS=3.15
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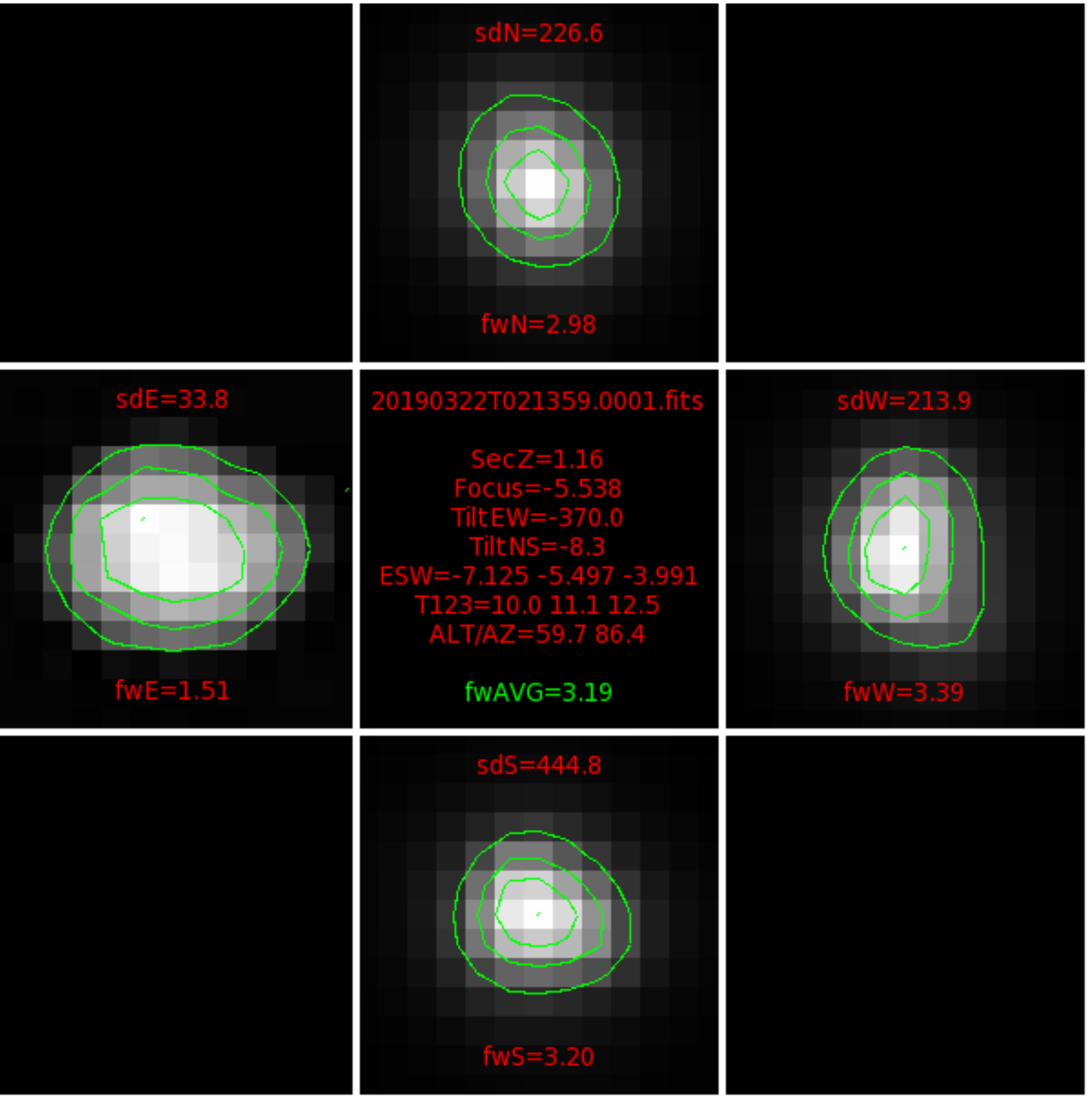
sdN=226.6
fwN=2.98
sdE=33.8
fwE=1.51
20190322T021359.0001.fits
SecZ=1.16
Focus=-5.538
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.125 -5.497 -3.991
T123=10.0 11.1 12.5
ALT/AZ=59.7 86.4
fwAVG=3.19
sdW=213.9
fwW=3.39
sdS=444.8
fwS=3.20
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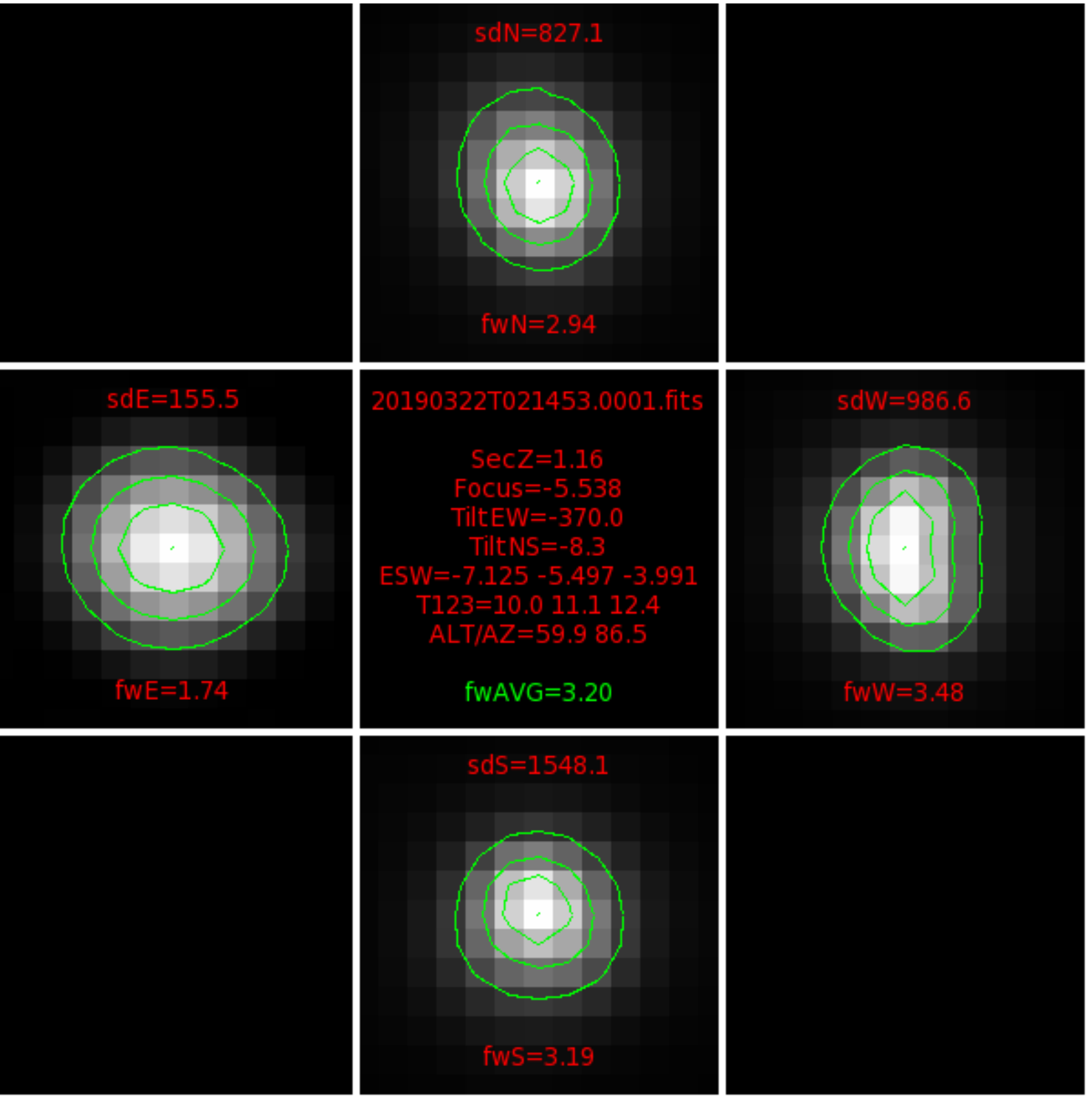
sdN=827.1
fwN=2.94
sdE=155.5
fwE=1.74
20190322T021453.0001.fits
SecZ=1.16
Focus=-5.538
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.125 -5.497 -3.991
T123=10.0 11.1 12.4
ALT/AZ=59.9 86.5
fwAVG=3.20
sdW=986.6
fwW=3.48
sdS=1548.1
fwS=3.19
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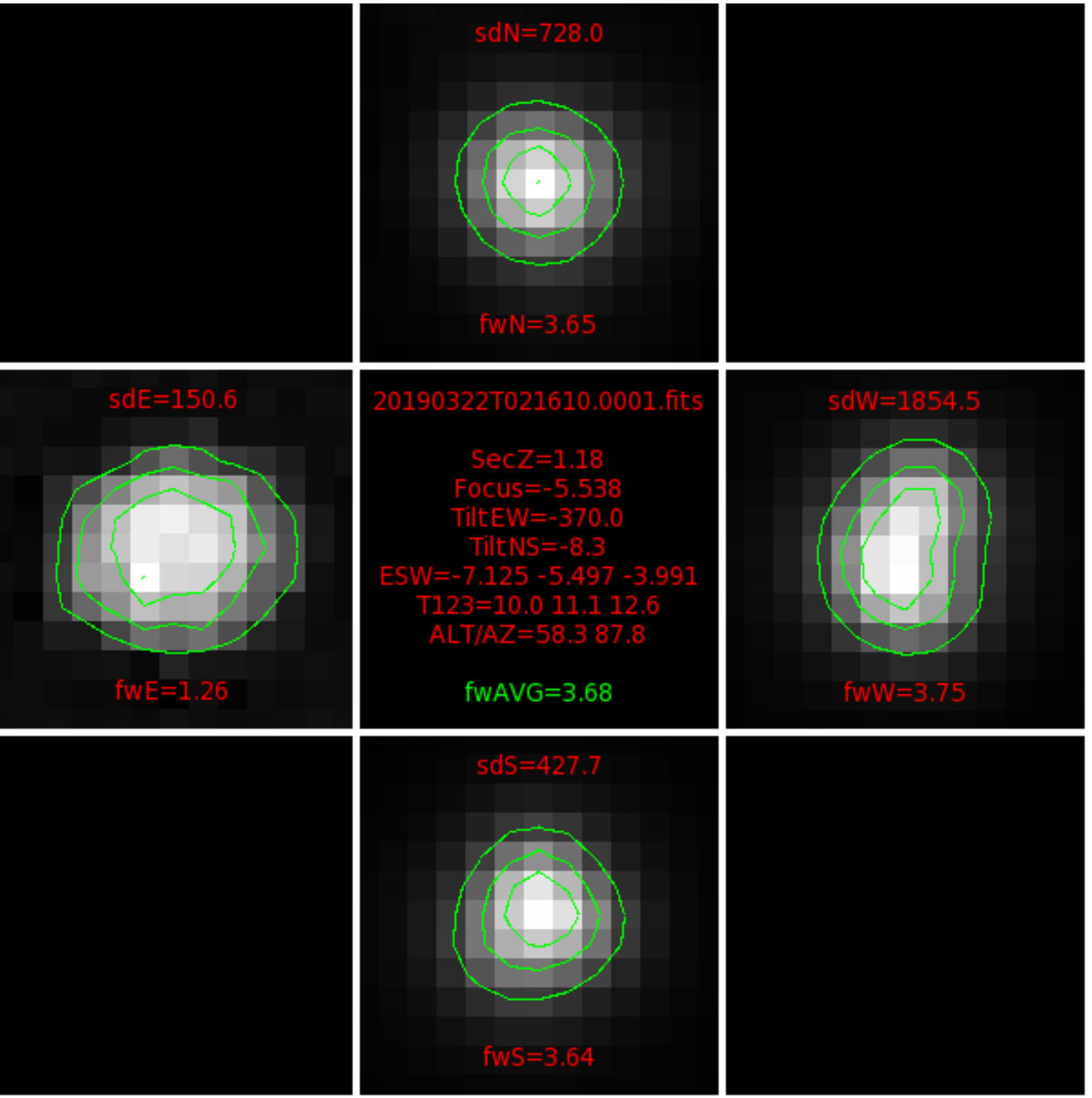
sdN=728.0
fwN=3.65
sdE=150.6
fwE=1.26
20190322T021610.0001.fits
SecZ=1.18
Focus=-5.538
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.125 -5.497 -3.991
T123=10.0 11.1 12.6
ALT/AZ=58.3 87.8
fwAVG=3.68
sdW=1854.5
fwW=3.75
sdS=427.7
fwS=3.64
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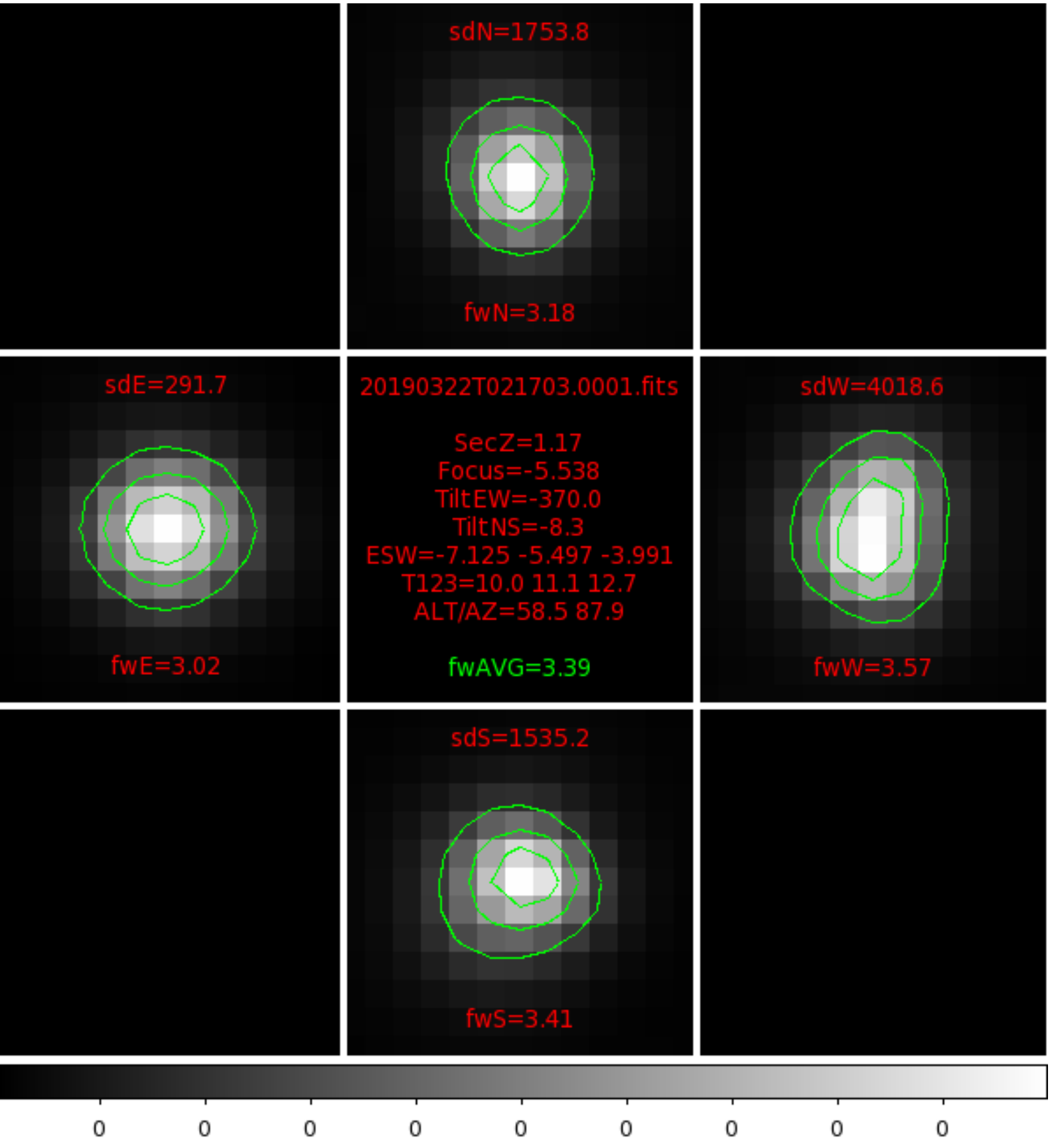
sdN=1753.8
fwN=3.18
sdE=291.7
fwE=3.02
20190322T021703.0001.fits
SecZ=1.17
Focus=-5.538
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.125 -5.497 -3.991
T123=10.0 11.1 12.7
ALT/AZ=58.5 87.9
fwAVG=3.39
sdW=4018.6
fwW=3.57
sdS=1535.2
fwS=3.41
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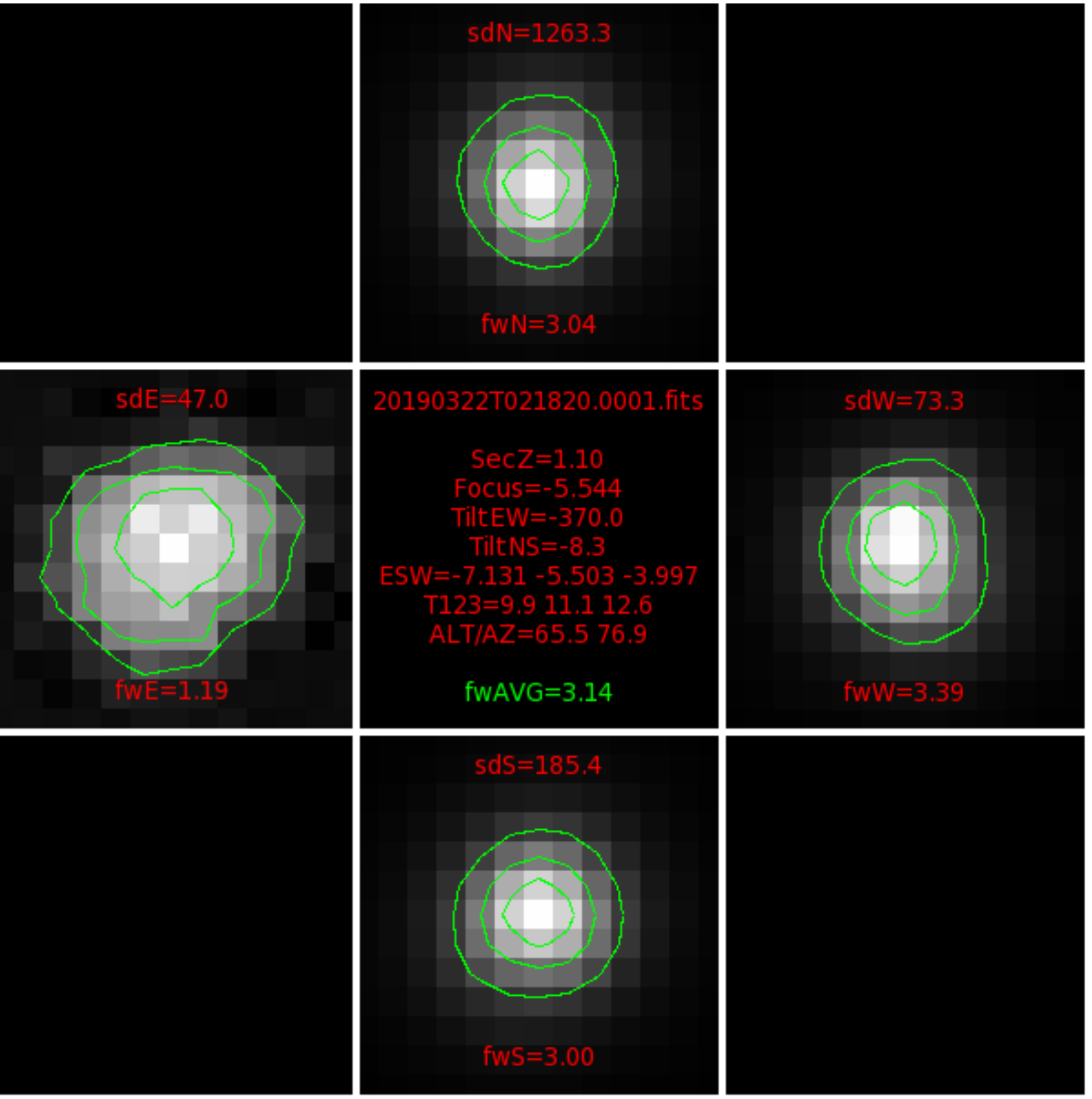
sdN=1263.3
fwN=3.04
sdE=47.0
fwE=1.19
20190322T021820.0001.fits
SecZ=1.10
Focus=-5.544
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.131 -5.503 -3.997
T123=9.9 11.1 12.6
ALT/AZ=65.5 76.9
fwAVG=3.14
sdW=73.3
fwW=3.39
sdS=185.4
fwS=3.00
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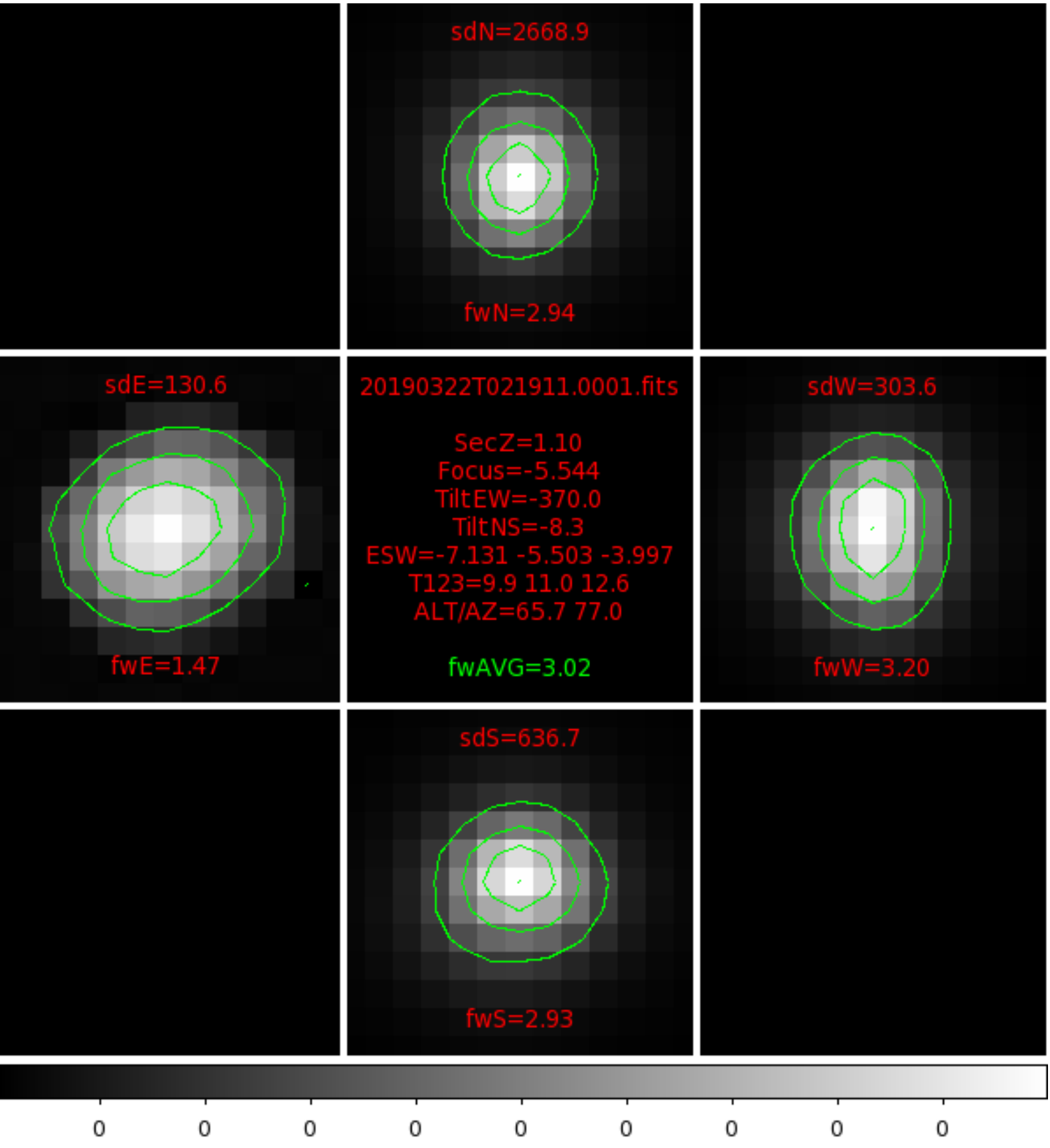
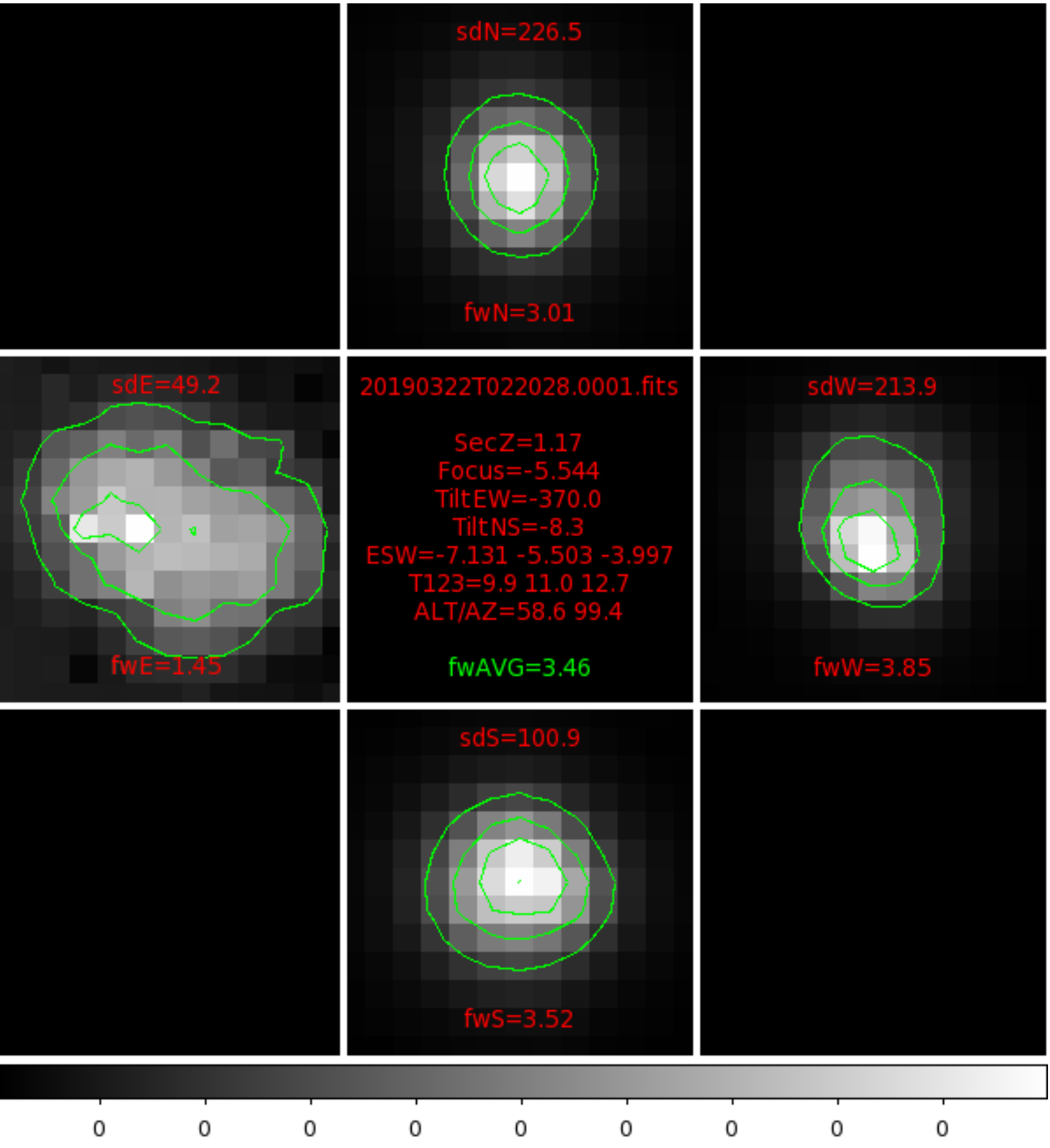

sdN=2668.9
fwN=2.94
sdE=130.6
fwE=1.47
20190322T021911.0001.fits
SecZ=1.10
Focus=-5.544
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.131 -5.503 -3.997
T123=9.9 11.0 12.6
ALT/AZ=65.7 77.0
fwAVG=3.02
sdW=303.6
fwW=3.20
sdS=636.7
fwS=2.93
0 0 0 0 0 0 0 0 0


sdN=226.5
fwN=3.01
sdE=49.2
fwE=1.45
20190322T022028.0001.fits
SecZ=1.17
Focus=-5.544
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.131 -5.503 -3.997
T123=9.9 11.0 12.7
ALT/AZ=58.6 99.4
fwAVG=3.46
sdW=213.9
fwW=3.85
sdS=100.9
fwS=3.52
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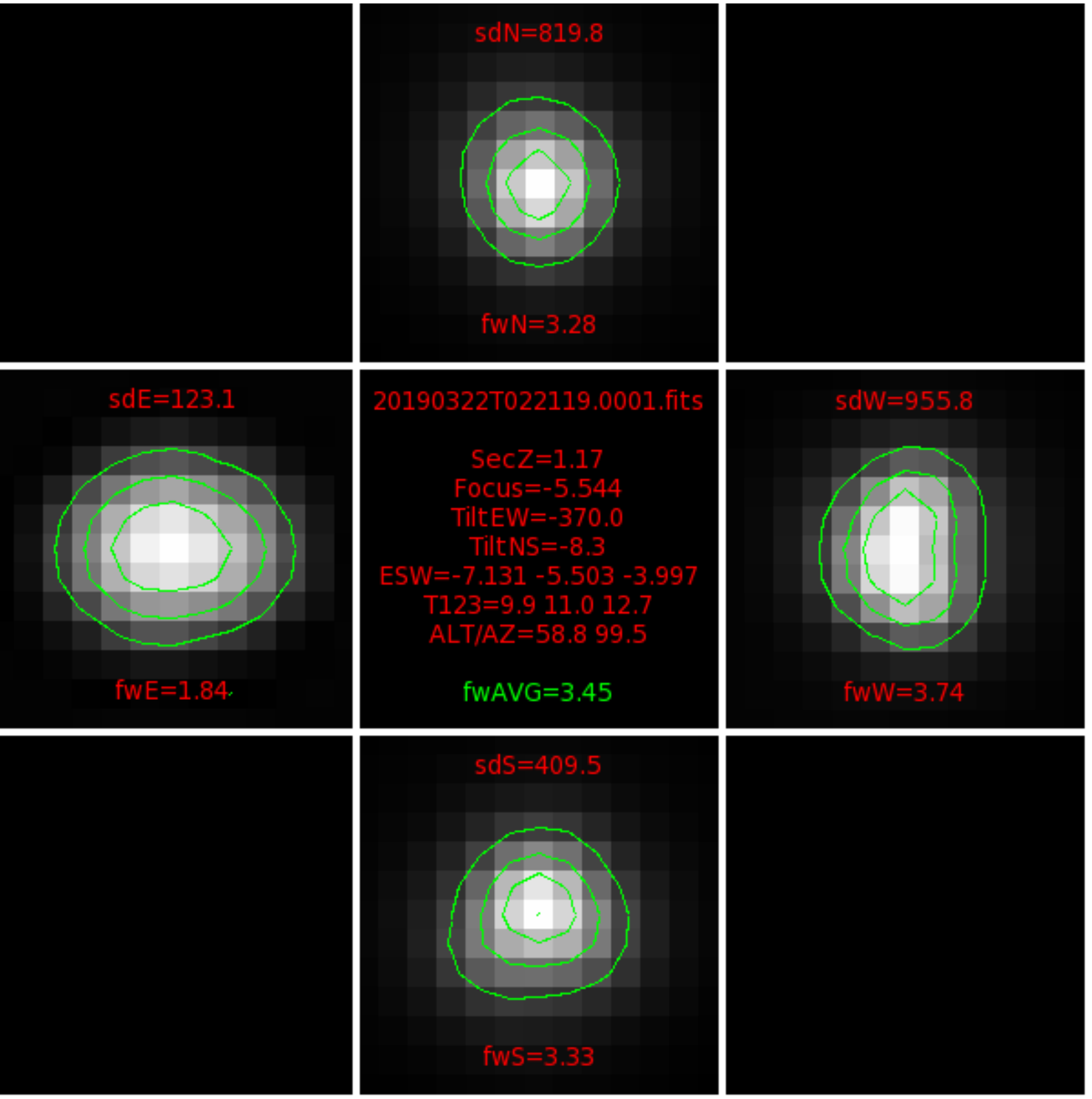
sdN=819.8
fwN=3.28
sdE=123.1
fwE=1.84
20190322T022119.0001.fits
SecZ=1.17
Focus=-5.544
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.131 -5.503 -3.997
T123=9.9 11.0 12.7
ALT/AZ=58.8 99.5
fwAVG=3.45
sdW=955.8
fwW=3.74
sdS=409.5
fwS=3.33
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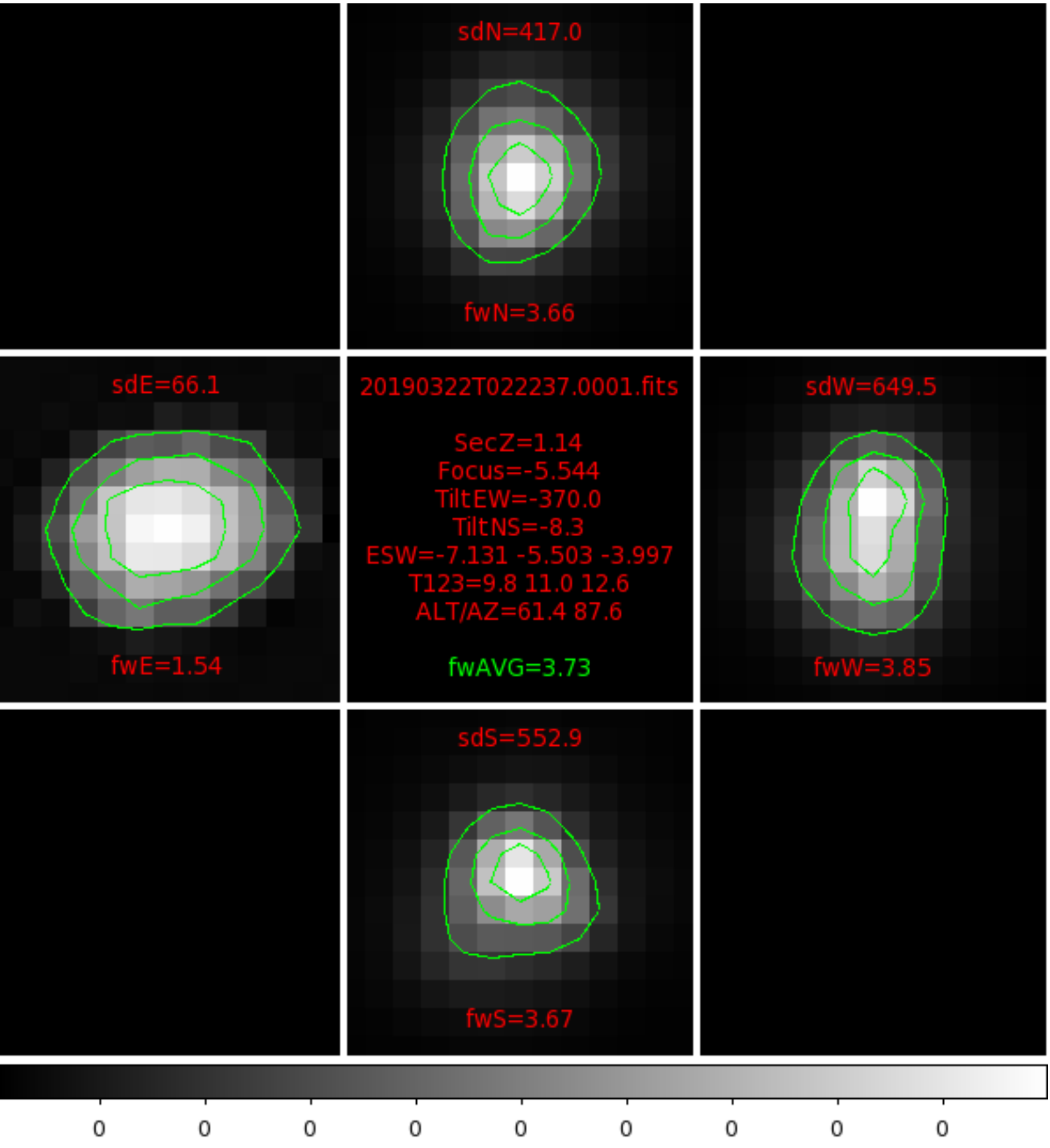
sdN=417.0
fwN=3.66
sdE=66.1
fwE=1.54
20190322T022237.0001.fits
SecZ=1.14
Focus=-5.544
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.131 -5.503 -3.997
T123=9.8 11.0 12.6
ALT/AZ=61.4 87.6
fwAVG=3.73
sdW=649.5
fwW=3.85
sdS=552.9
fwS=3.67
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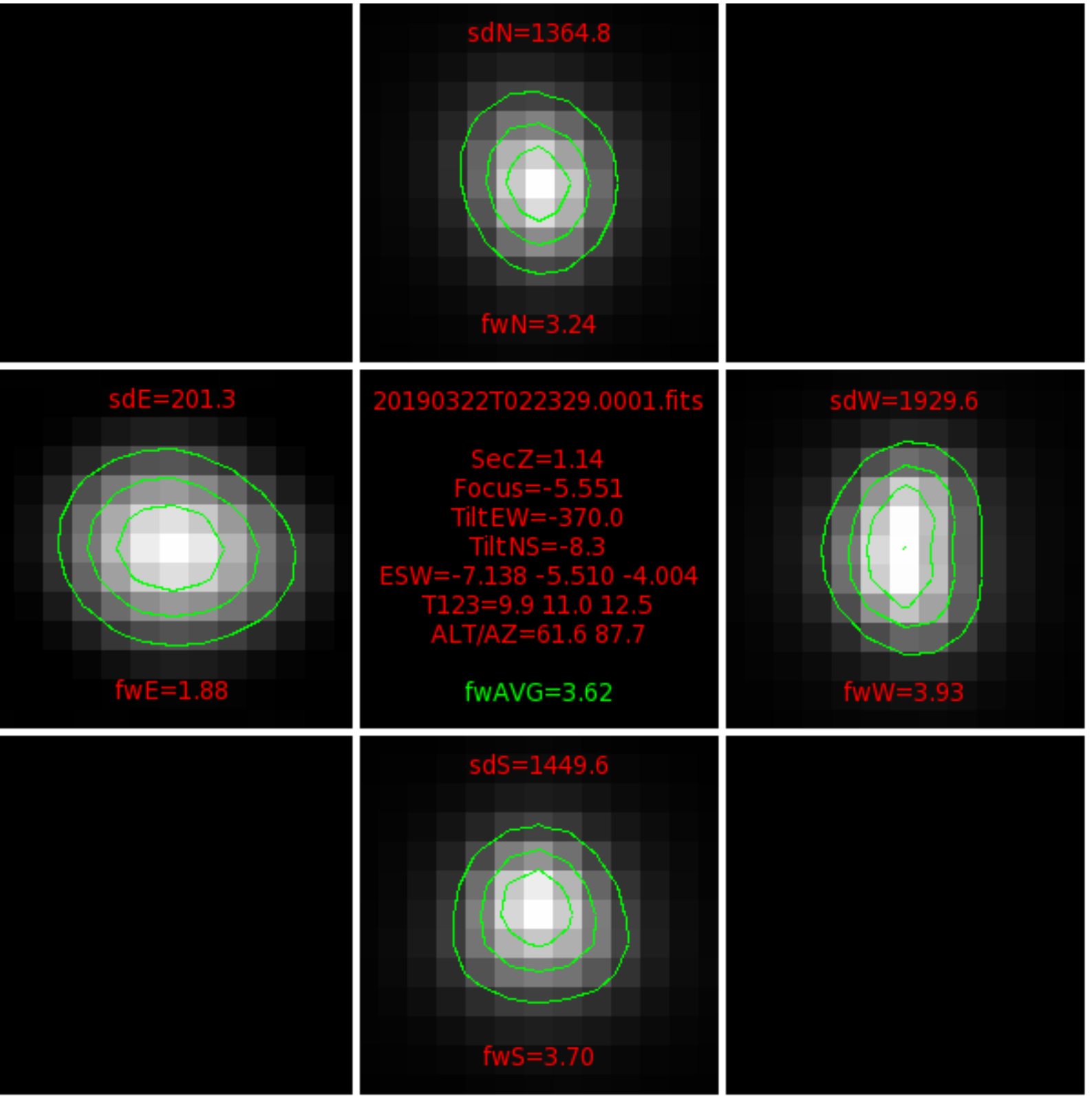
sdN=1364.8
fwN=3.24
sdE=201.3
fwE=1.88
20190322T022329.0001.fits
SecZ=1.14
Focus=-5.551
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.138 -5.510 -4.004
T123=9.9 11.0 12.5
ALT/AZ=61.6 87.7
fwAVG=3.62
sdW=1929.6
fwW=3.93
sdS=1449.6
fwS=3.70
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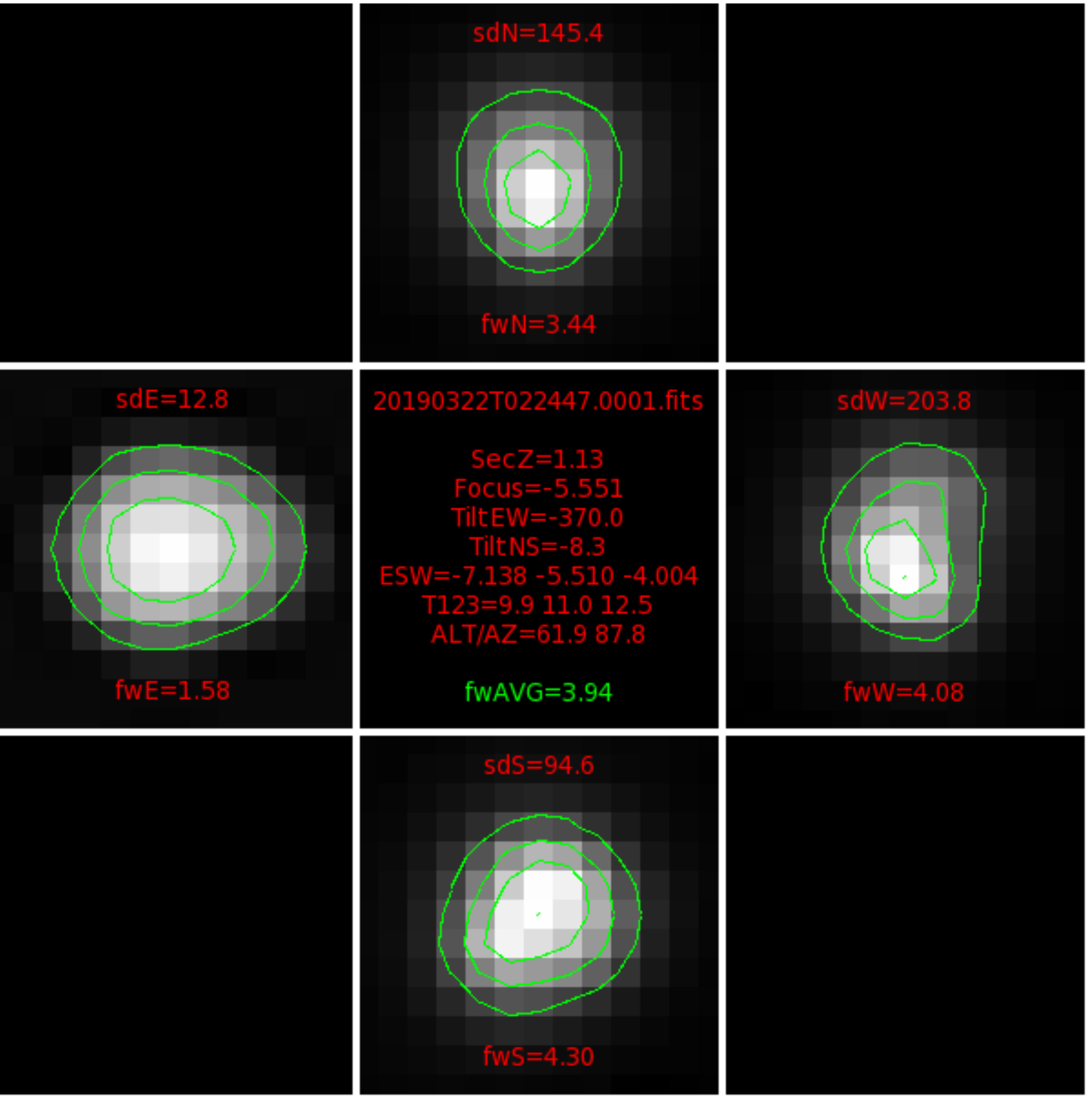
sdN=145.4
fwN=3.44
sdE=12.8
fwE=1.58
20190322T022447.0001.fits
SecZ=1.13
Focus=-5.551
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.138 -5.510 -4.004
T123=9.9 11.0 12.5
ALT/AZ=61.9 87.8
fwAVG=3.94
sdW=203.8
fwW=4.08
sdS=94.6
fwS=4.30
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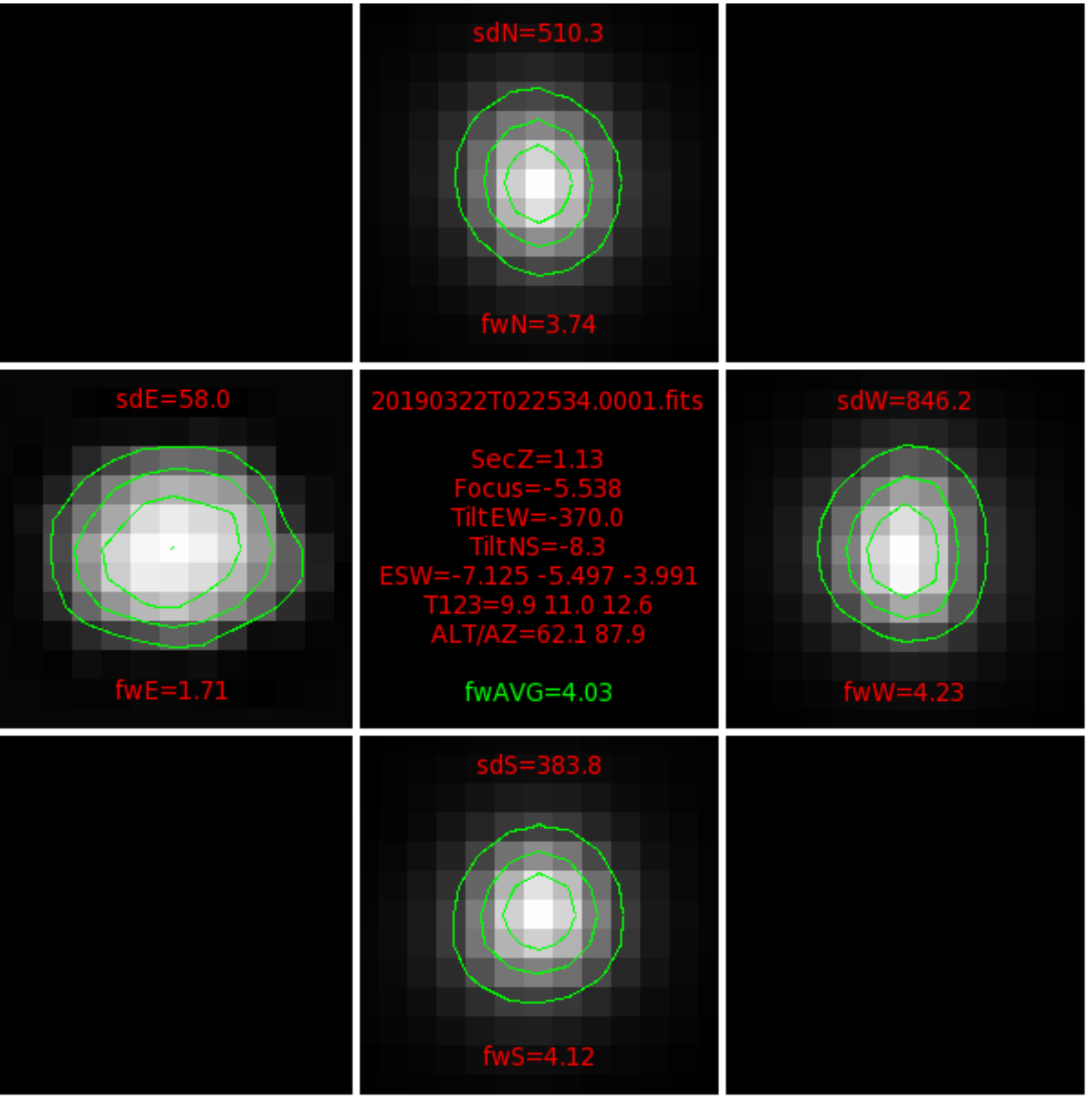
sdN=510.3
fwN=3.74
sdE=58.0
fwE=1.71
20190322T022534.0001.fits
SecZ=1.13
Focus=-5.538
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.125 -5.497 -3.991
T123=9.9 11.0 12.6
ALT/AZ=62.1 87.9
fwAVG=4.03
sdW=846.2
fwW=4.23
sdS=383.8
fwS=4.12
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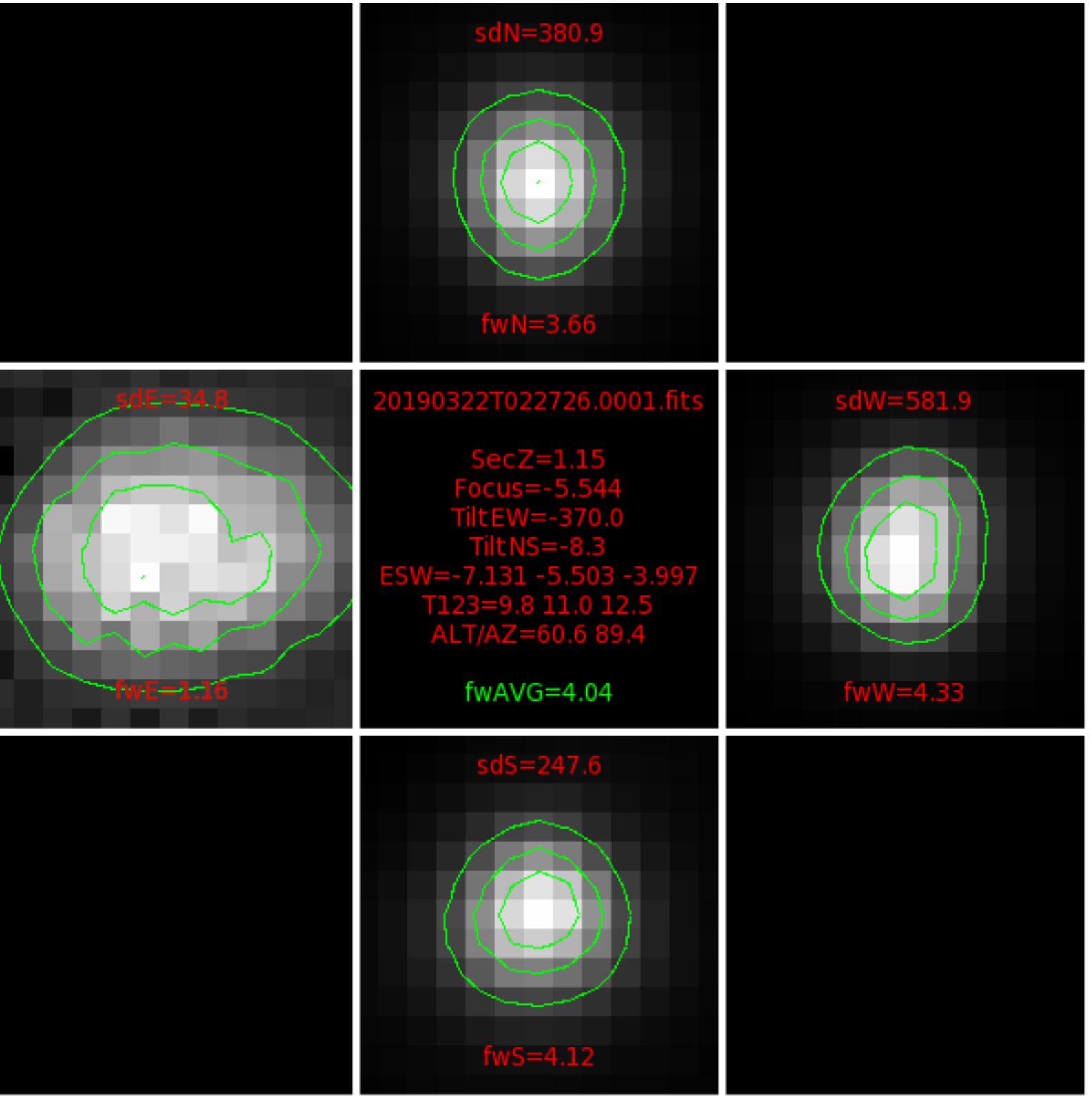
sdN=380.9
fwN=3.66
sdE=34.8
fwE=1.16
20190322T022726.0001.fits
SecZ=1.15
Focus=-5.544
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.131 -5.503 -3.997
T123=9.8 11.0 12.5
ALT/AZ=60.6 89.4
fwAVG=4.04
sdW=581.9
fwW=4.33
sdS=247.6
fwS=4.12
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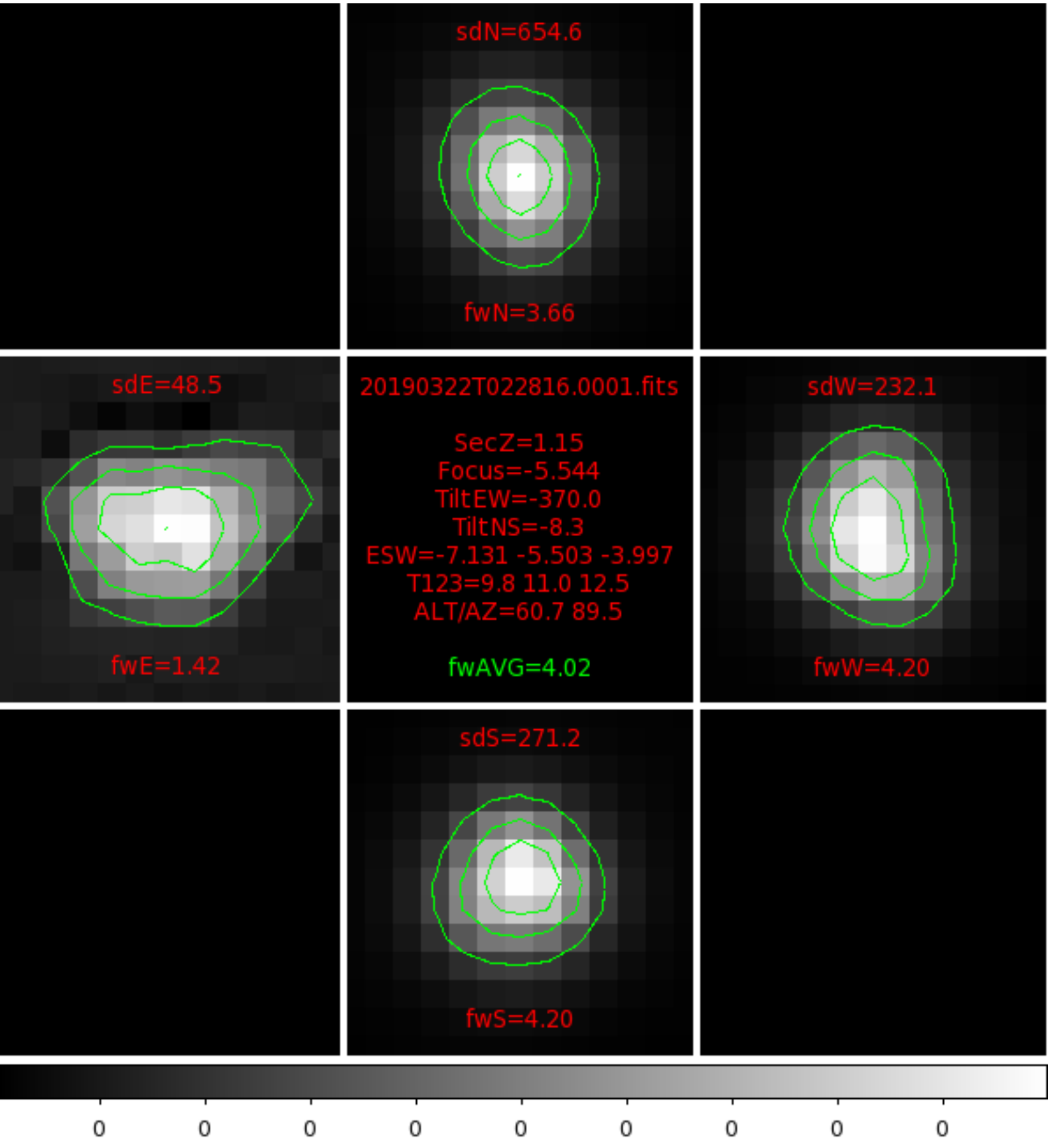
sdN=654.6
fwN=3.66
sdE=48.5
fwE=1.42
20190322T022816.0001.fits
SecZ=1.15
Focus=-5.544
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.131 -5.503 -3.997
T123=9.8 11.0 12.5
ALT/AZ=60.7 89.5
fwAVG=4.02
sdW=232.1
fwW=4.20
sdS=271.2
fwS=4.20
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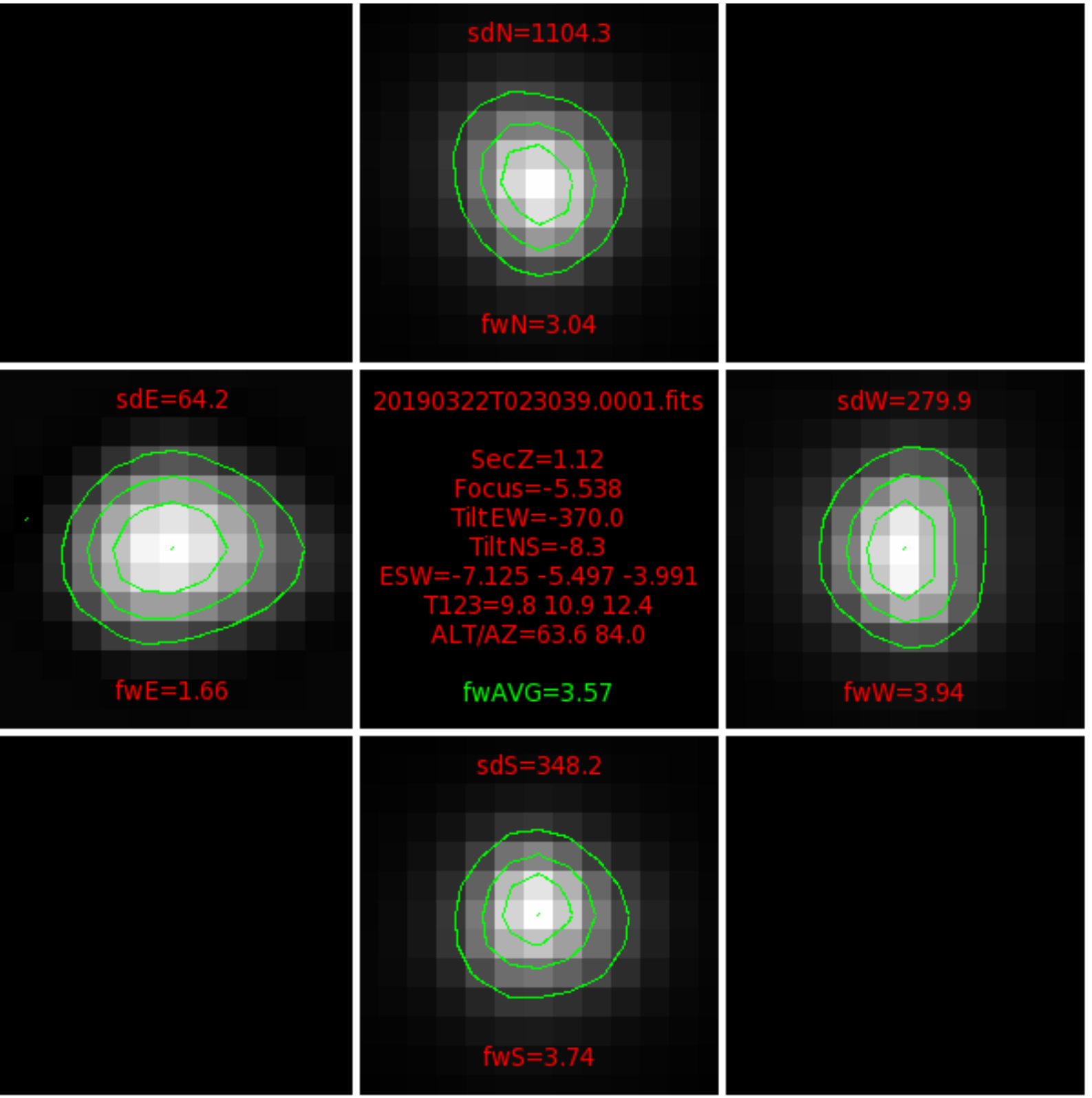
sdN=1104.3
fwN=3.04
sdE=64.2
fwE=1.66
20190322T023039.0001.fits
SecZ=1.12
Focus=-5.538
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.125 -5.497 -3.991
T123=9.8 10.9 12.4
ALT/AZ=63.6 84.0
fwAVG=3.57
sdW=279.9
fwW=3.94
sdS=348.2
fwS=3.74
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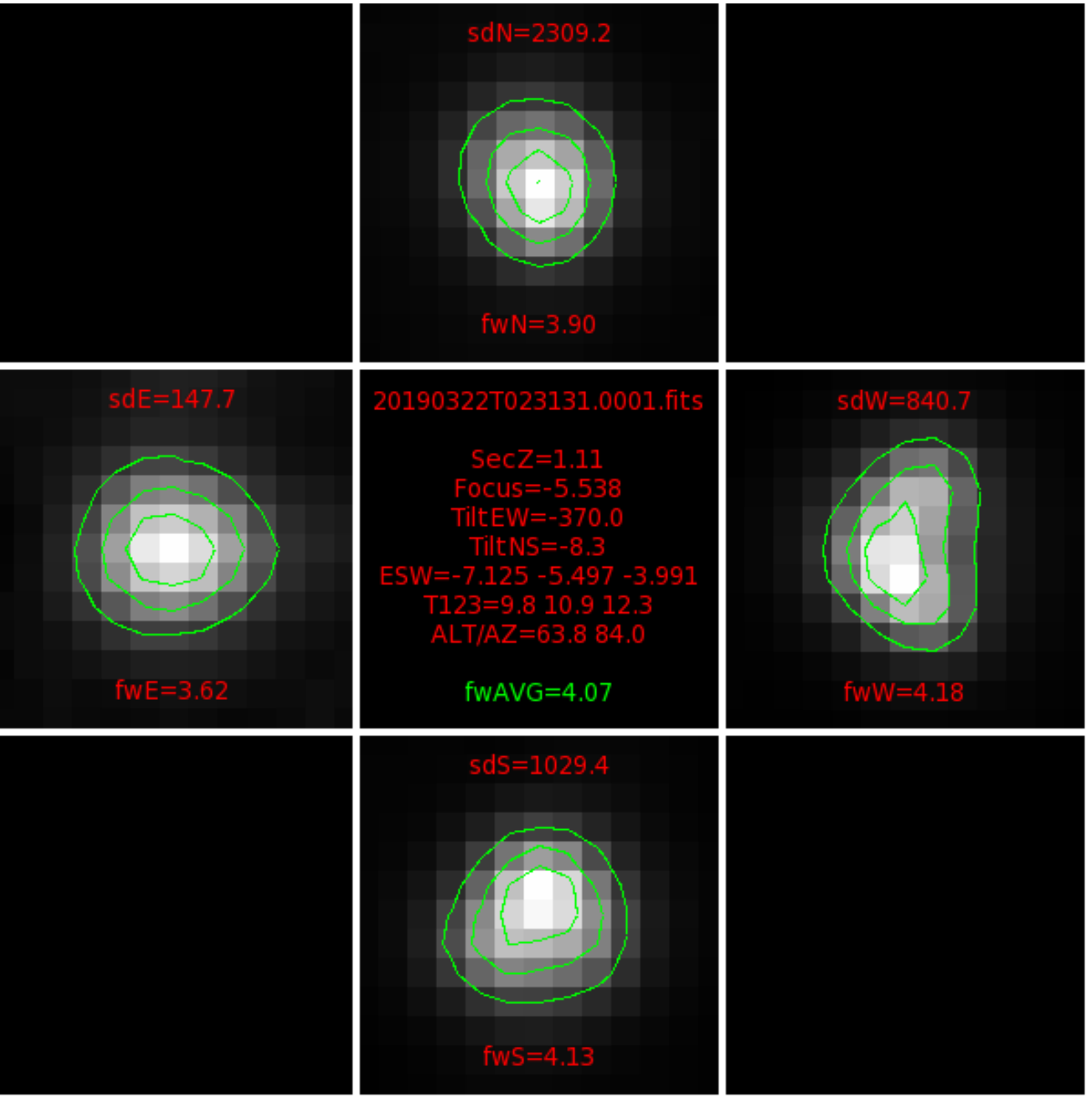
sdN=2309.2
fwN=3.90
sdE=147.7
fwE=3.62
20190322T023131.0001.fits
SecZ=1.11
Focus=-5.538
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.125 -5.497 -3.991
T123=9.8 10.9 12.3
ALT/AZ=63.8 84.0
fwAVG=4.07
sdW=840.7
fwW=4.18
sdS=1029.4
fwS=4.13
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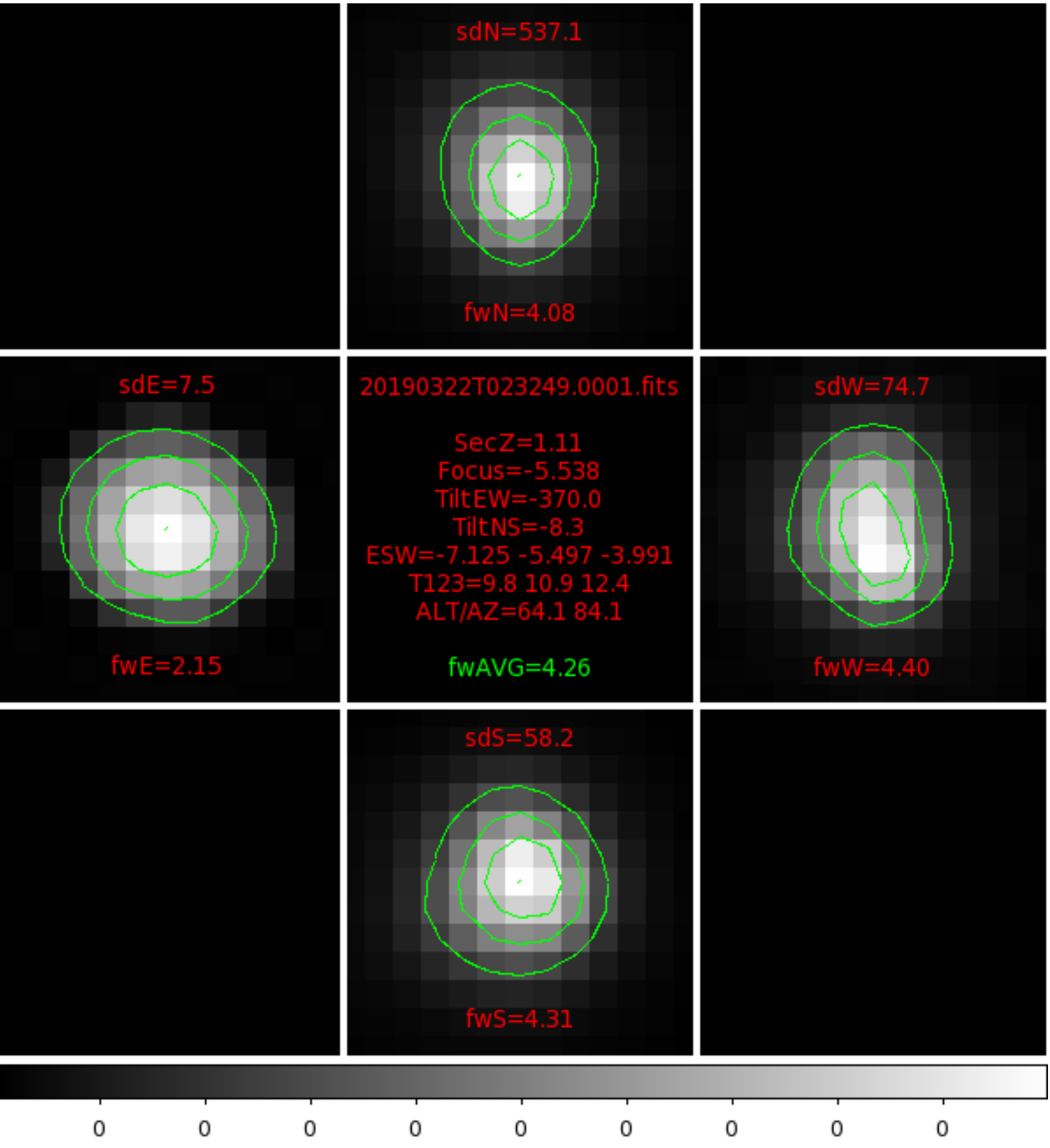
sdN=537.1
fwN=4.08
sdE=7.5
fwE=2.15
20190322T023249.0001.fits
SecZ=1.11
Focus=-5.538
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.125 -5.497 -3.991
T123=9.8 10.9 12.4
ALT/AZ=64.1 84.1
fwAVG=4.26
sdW=74.7
fwW=4.40
sdS=58.2
fwS=4.31
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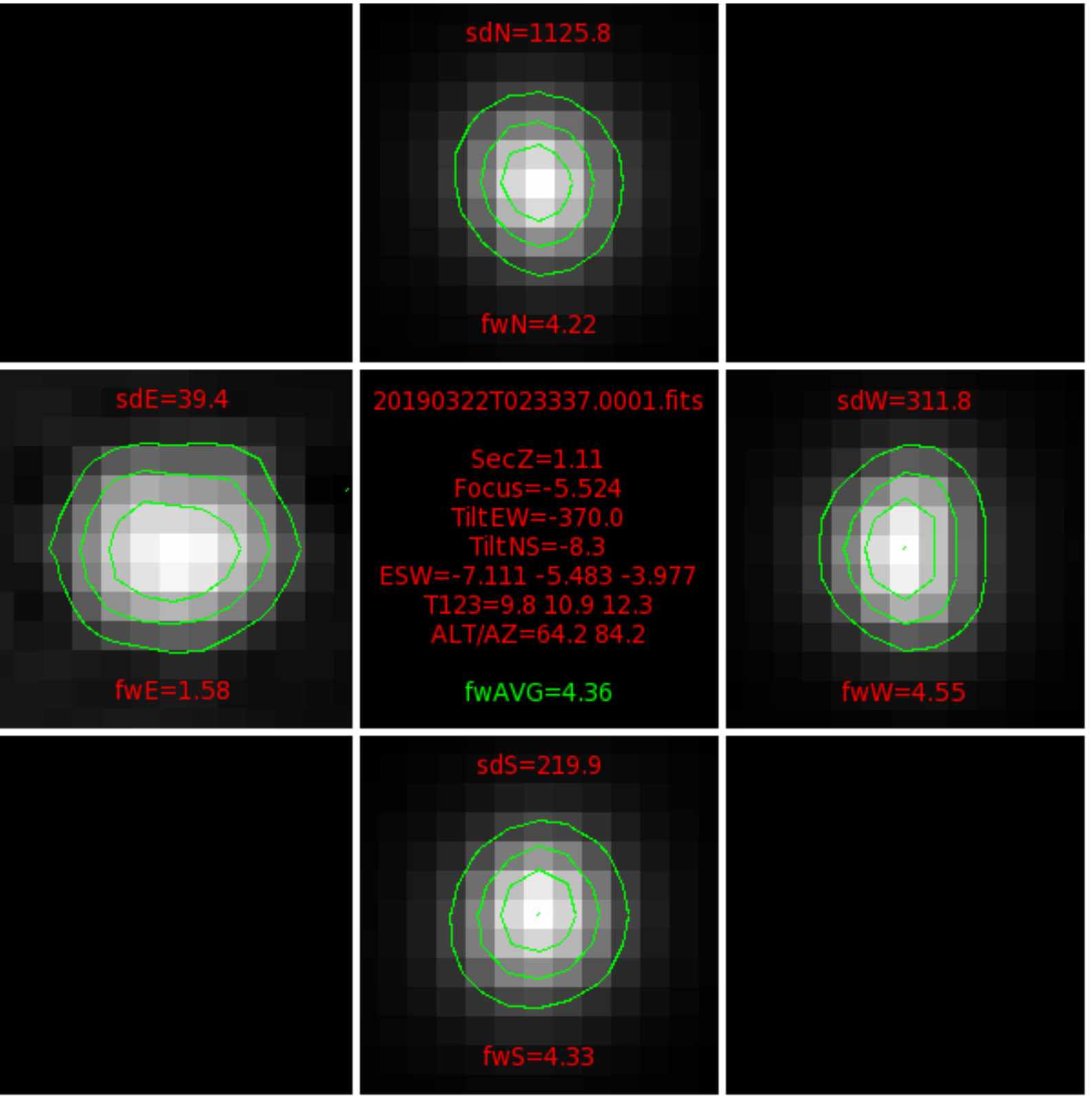
sdN=1125.8
fwN=4.22
sdE=39.4
fwE=1.58
20190322T023337.0001.fits
SecZ=1.11
Focus=-5.524
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.111 -5.483 -3.977
T123=9.8 10.9 12.3
ALT/AZ=64.2 84.2
fwAVG=4.36
sdW=311.8
fwW=4.55
sdS=219.9
fwS=4.33
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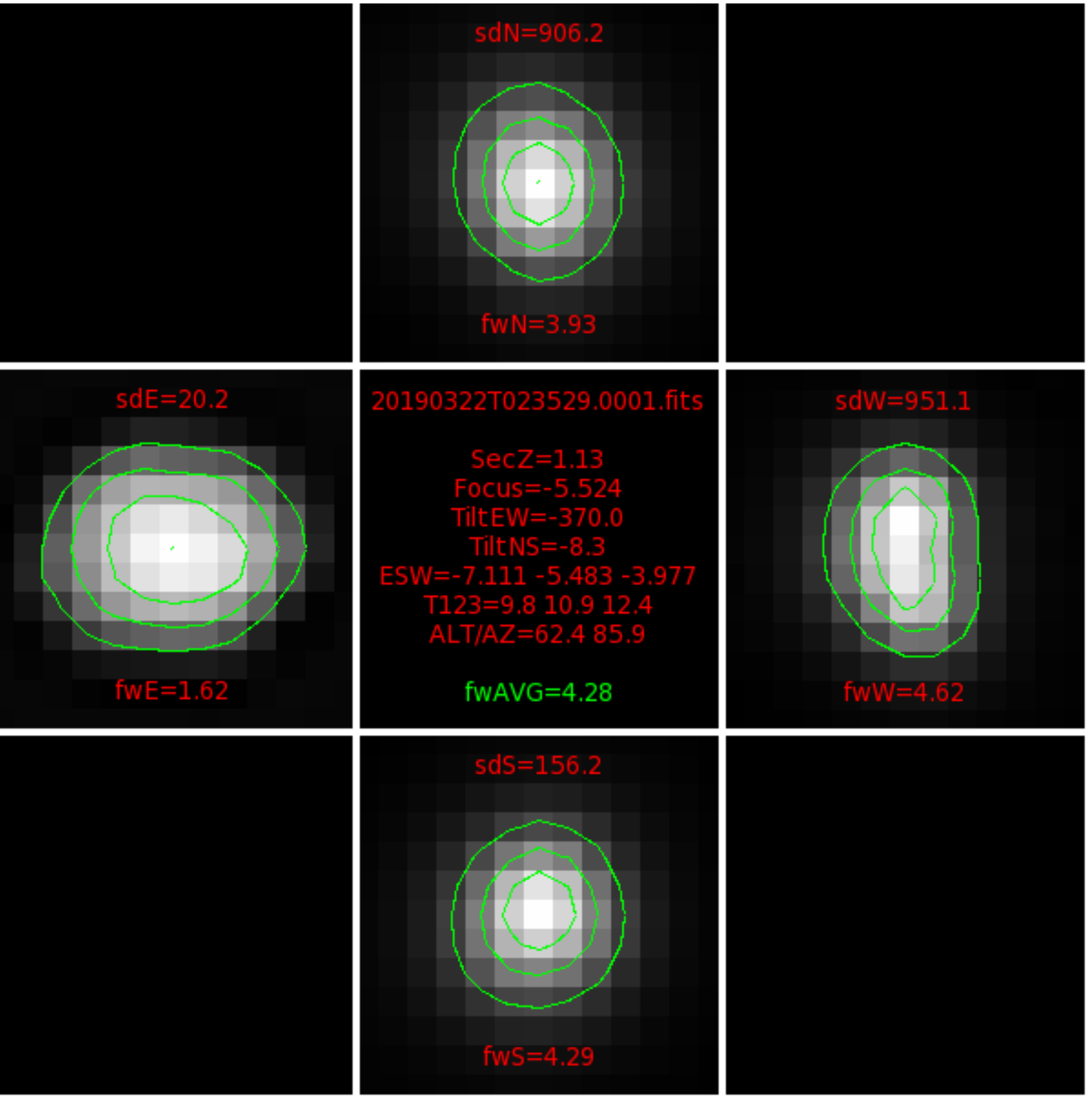
sdN=906.2
fwN=3.93
sdE=20.2
fwE=1.62
20190322T023529.0001.fits
SecZ=1.13
Focus=-5.524
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.111 -5.483 -3.977
T123=9.8 10.9 12.4
ALT/AZ=62.4 85.9
fwAVG=4.28
sdW=951.1
fwW=4.62
sdS=156.2
fwS=4.29
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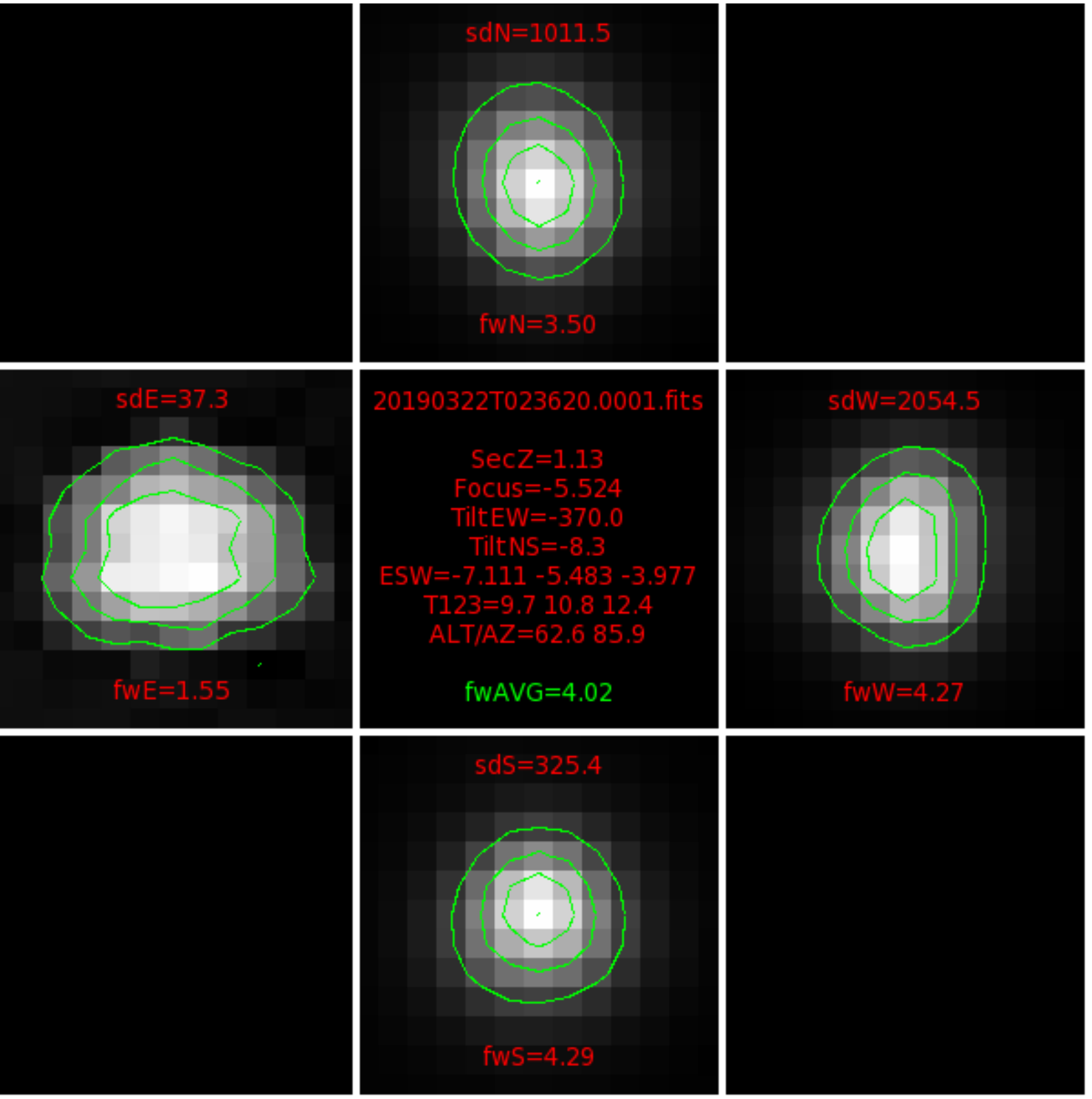
sdN=1011.5
fwN=3.50
sdE=37.3
fwE=1.55
20190322T023620.0001.fits
SecZ=1.13
Focus=-5.524
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.111 -5.483 -3.977
T123=9.7 10.8 12.4
ALT/AZ=62.6 85.9
fwAVG=4.02
sdW=2054.5
fwW=4.27
sdS=325.4
fwS=4.29
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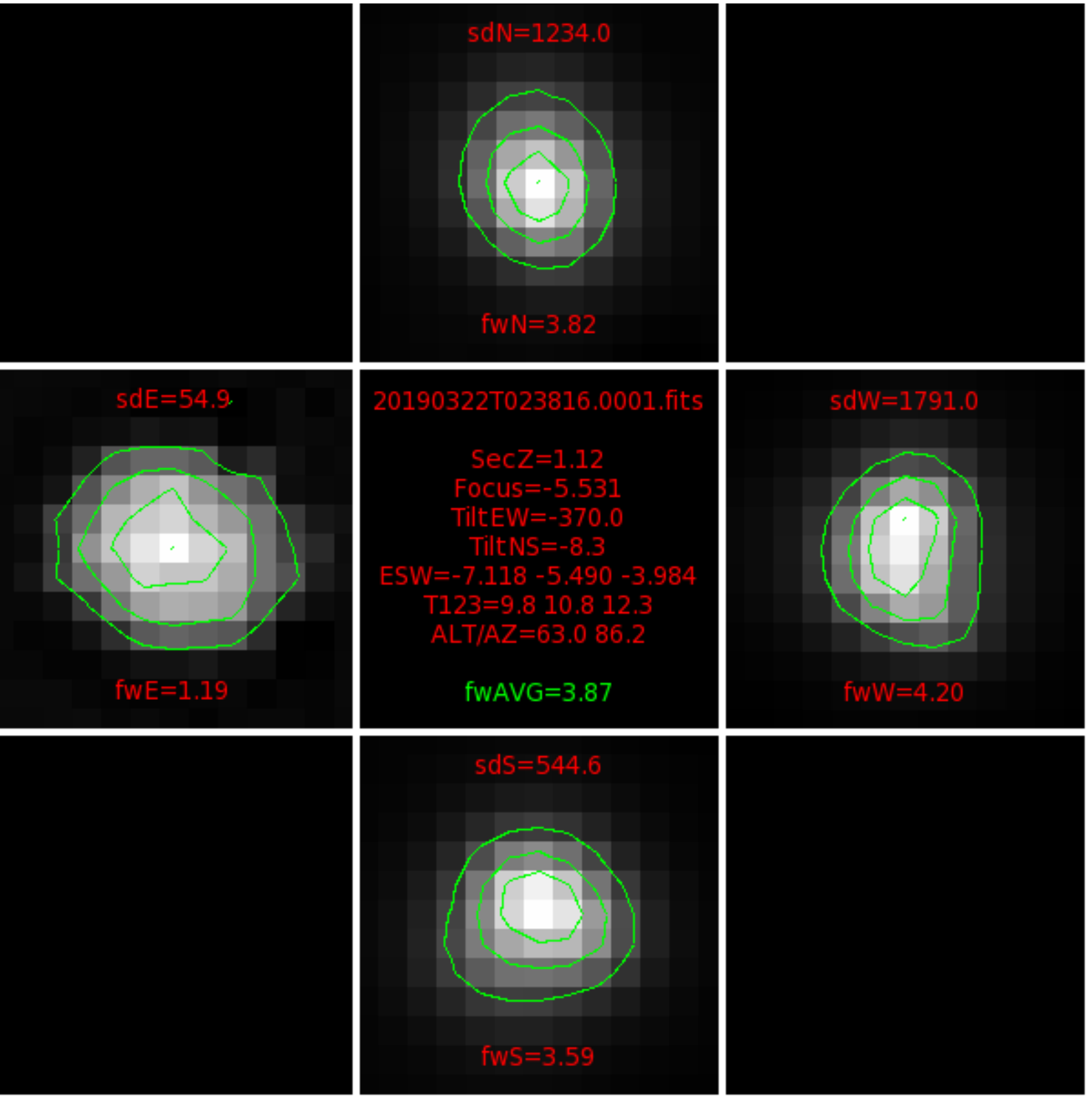
sdN=1234.0
fwN=3.82
sdE=54.9
fwE=1.19
20190322T023816.0001.fits
SecZ=1.12
Focus=-5.531
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.118 -5.490 -3.984
T123=9.8 10.8 12.3
ALT/AZ=63.0 86.2
fwAVG=3.87
sdW=1791.0
fwW=4.20
sdS=544.6
fwS=3.59
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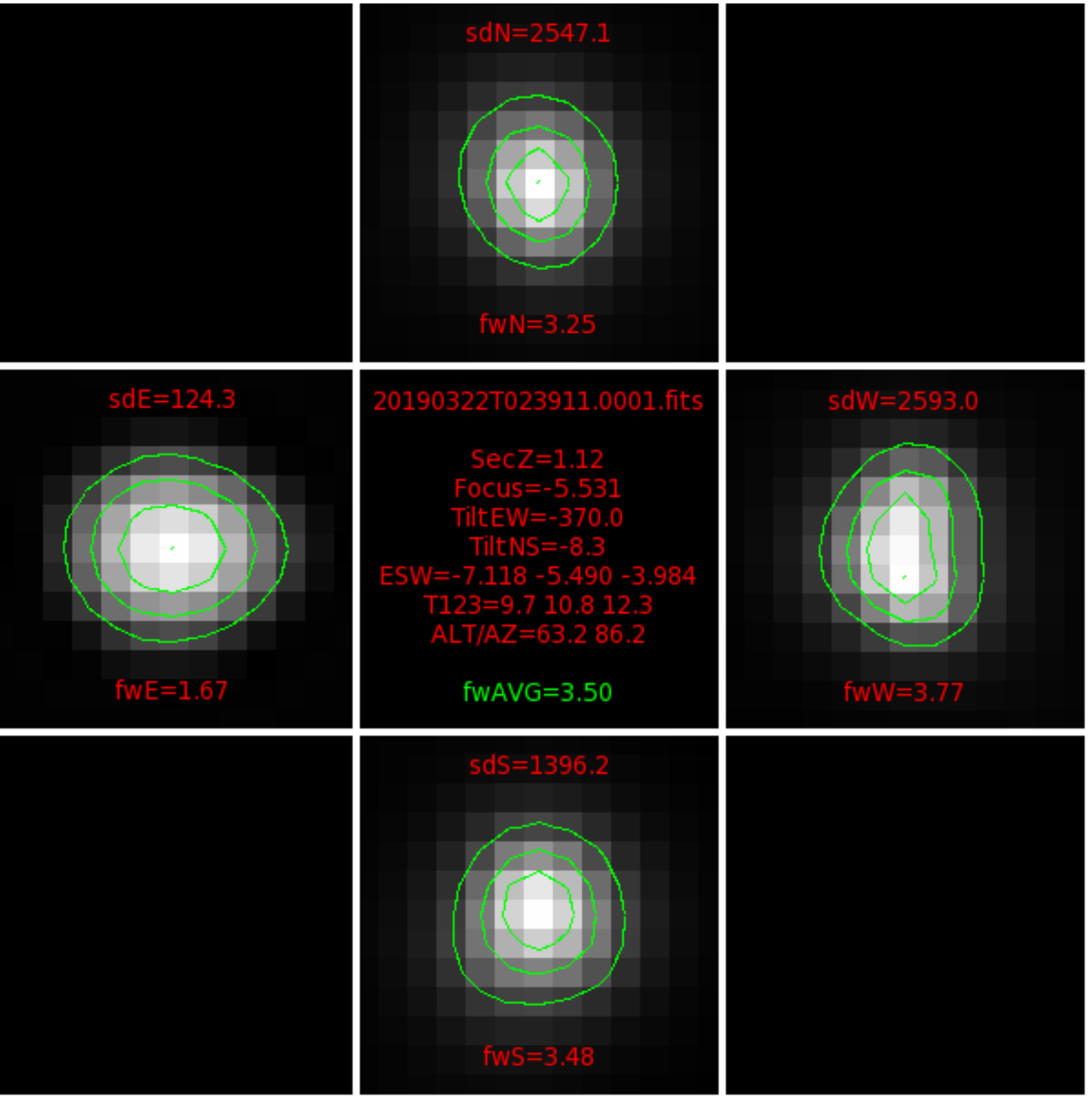
sdN=2547.1
fwN=3.25
sdE=124.3
fwE=1.67
20190322T023911.0001.fits
SecZ=1.12
Focus=-5.531
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.118 -5.490 -3.984
T123=9.7 10.8 12.3
ALT/AZ=63.2 86.2
fwAVG=3.50
sdW=2593.0
fwW=3.77
sdS=1396.2
fwS=3.48
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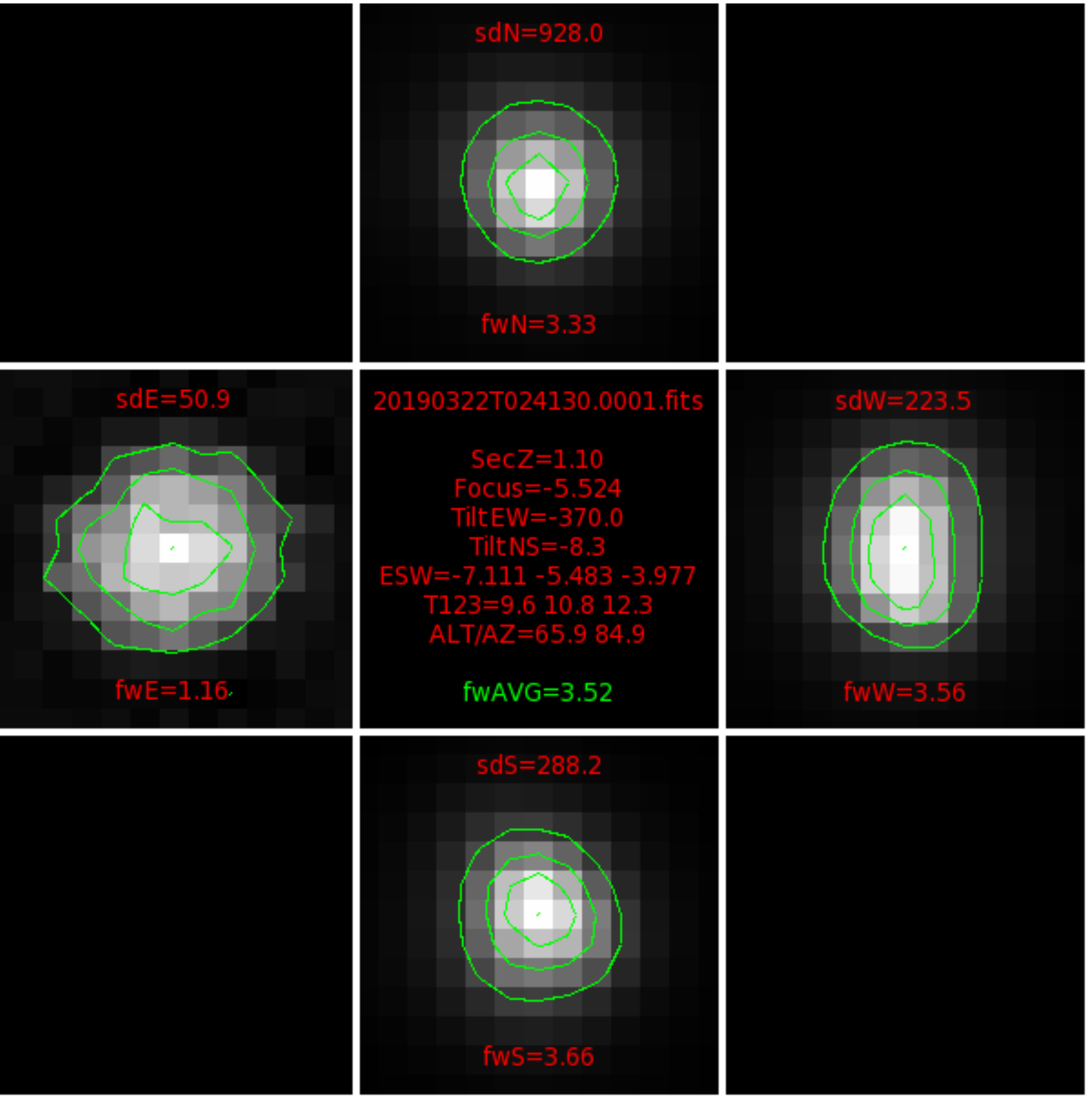
sdN=928.0
fwN=3.33
sdE=50.9
fwE=1.16
20190322T024130.0001.fits
SecZ=1.10
Focus=-5.524
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.111 -5.483 -3.977
T123=9.6 10.8 12.3
ALT/AZ=65.9 84.9
fwAVG=3.52
sdW=223.5
fwW=3.56
sdS=288.2
fwS=3.66
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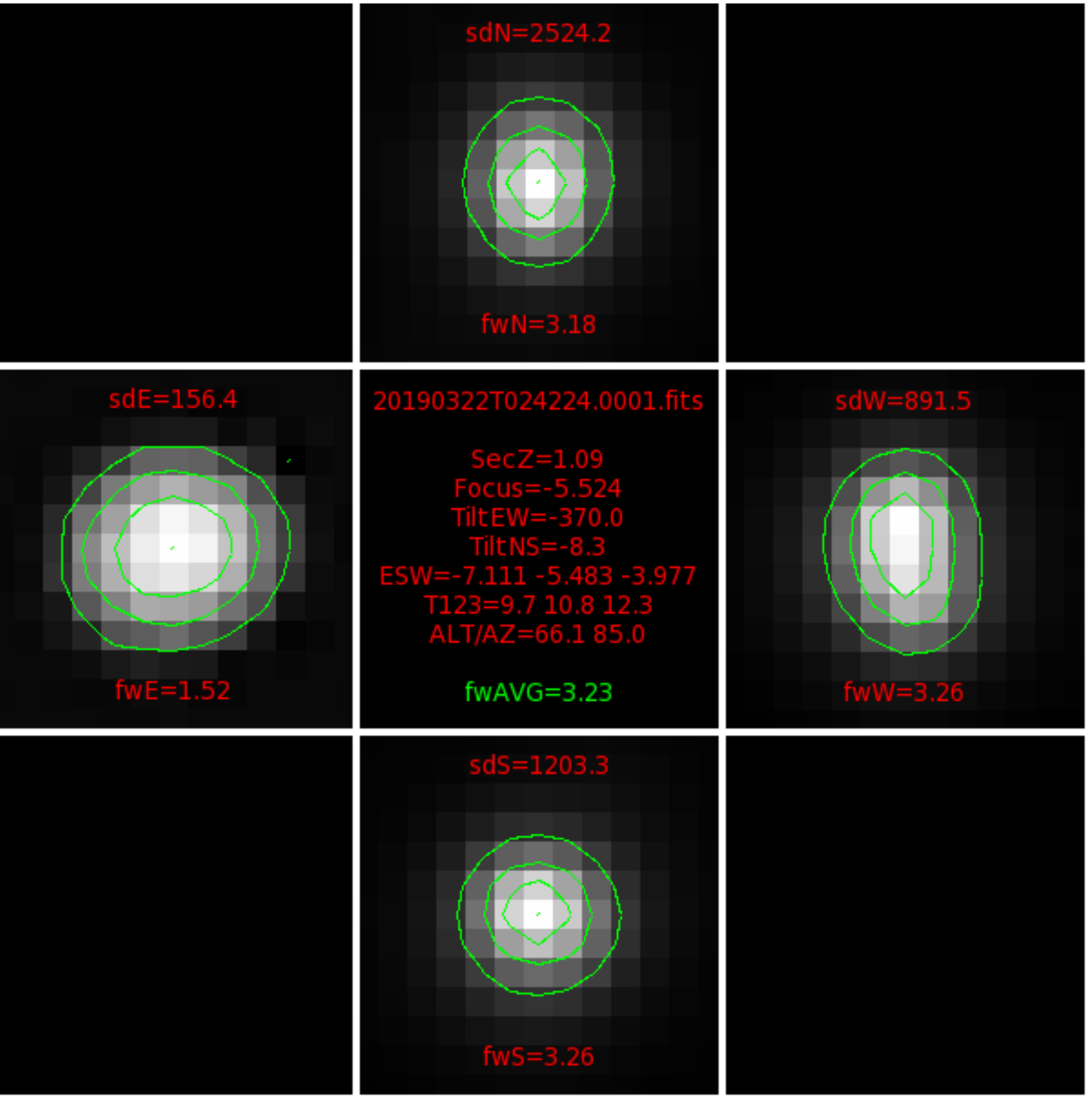
sdN=2524.2
fwN=3.18
sdE=156.4
fwE=1.52
20190322T024224.0001.fits
SecZ=1.09
Focus=-5.524
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.111 -5.483 -3.977
T123=9.7 10.8 12.3
ALT/AZ=66.1 85.0
fwAVG=3.23
sdW=891.5
fwW=3.26
sdS=1203.3
fwS=3.26
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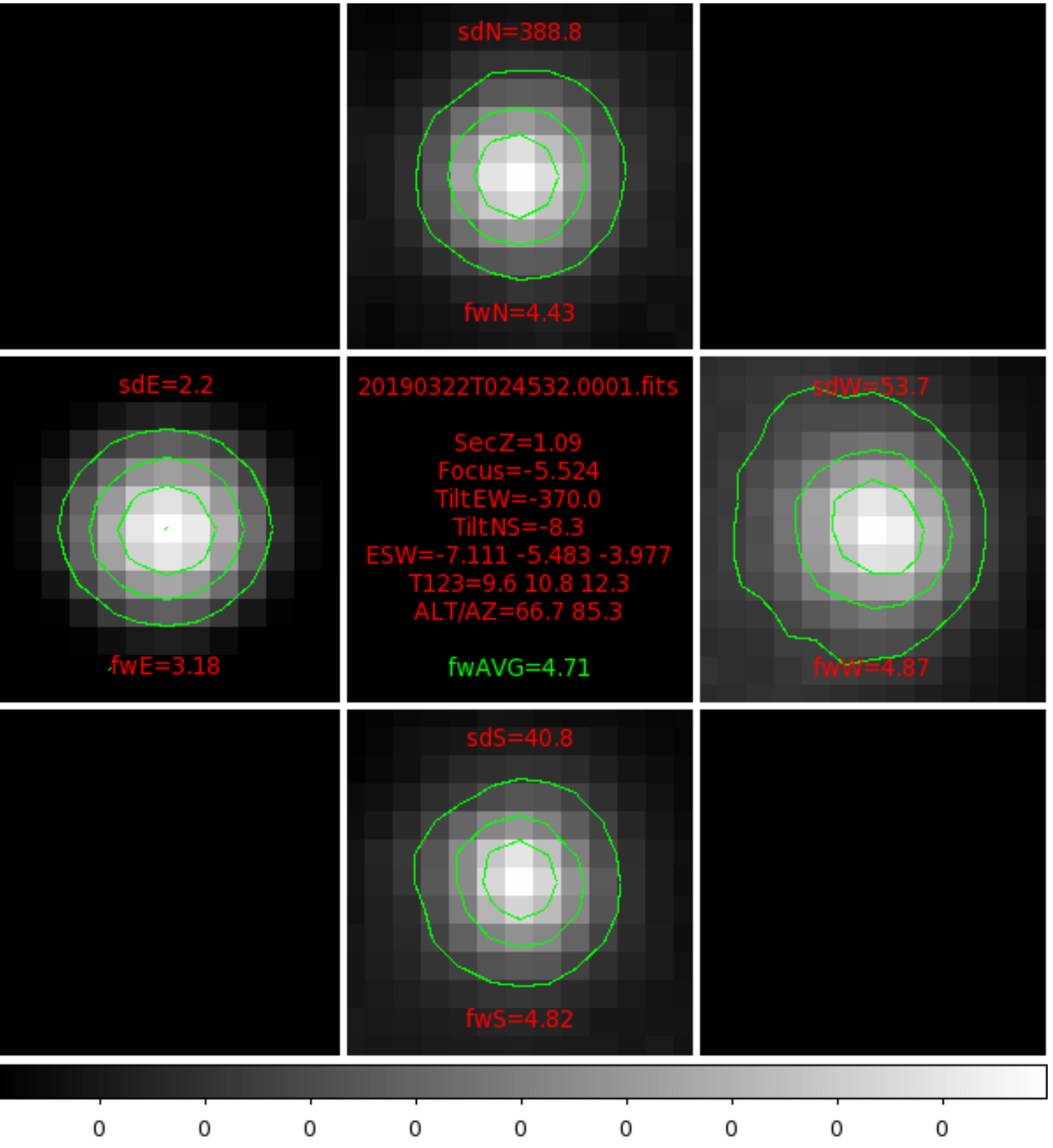
sdN=388.8
fwN=4.43
sdE=2.2
fwE=3.18
20190322T024532.0001.fits
SecZ=1.09
Focus=-5.524
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.111 -5.483 -3.977
T123=9.6 10.8 12.3
ALT/AZ=66.7 85.3
fwAVG=4.71
sdW=53.7
fwW=4.87
sdS=40.8
fwS=4.82
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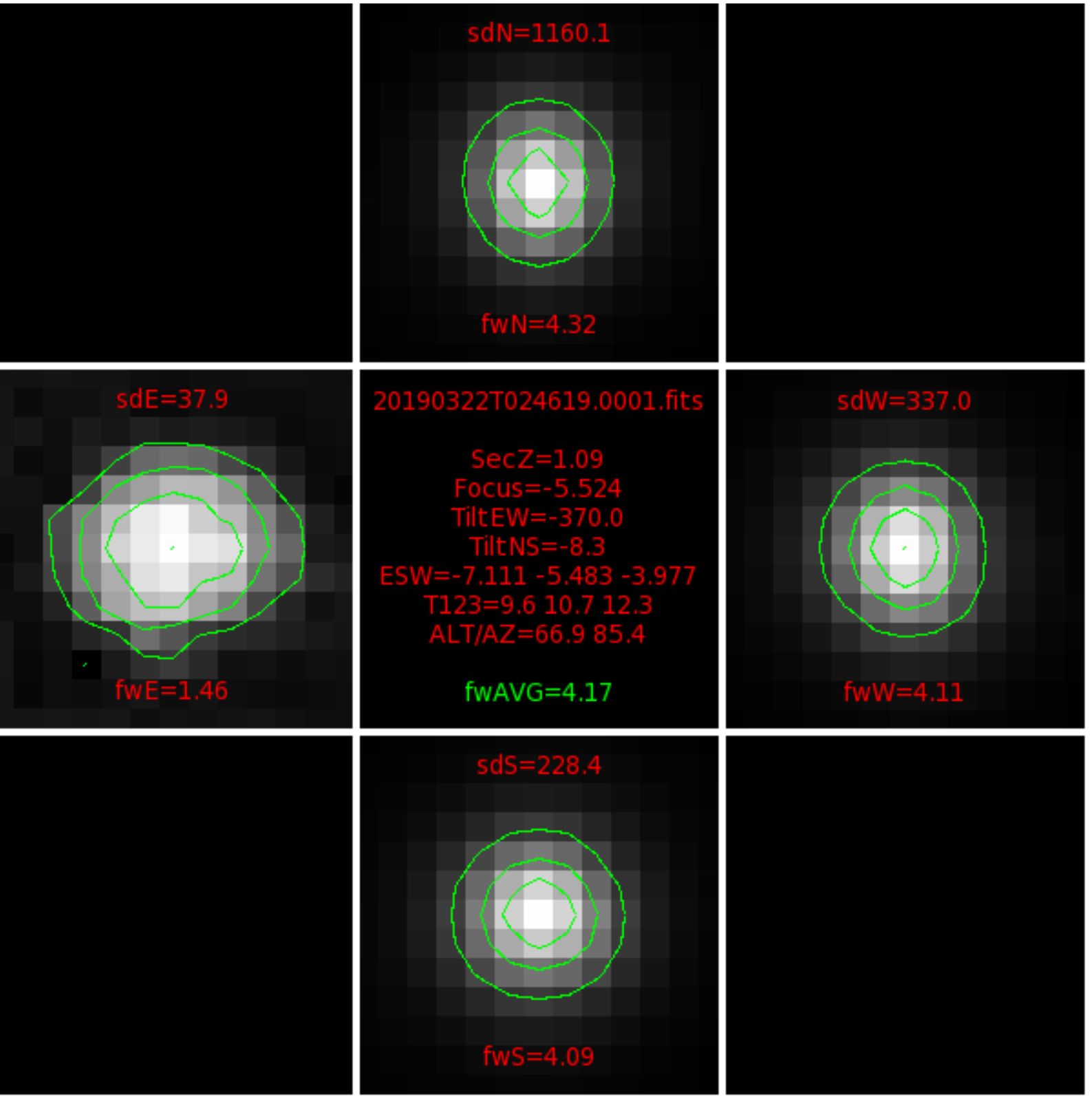
sdN=1160.1
fwN=4.32
sdE=37.9
fwE=1.46
20190322T024619.0001.fits
SecZ=1.09
Focus=-5.524
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.111 -5.483 -3.977
T123=9.6 10.7 12.3
ALT/AZ=66.9 85.4
fwAVG=4.17
sdW=337.0
fwW=4.11
sdS=228.4
fwS=4.09
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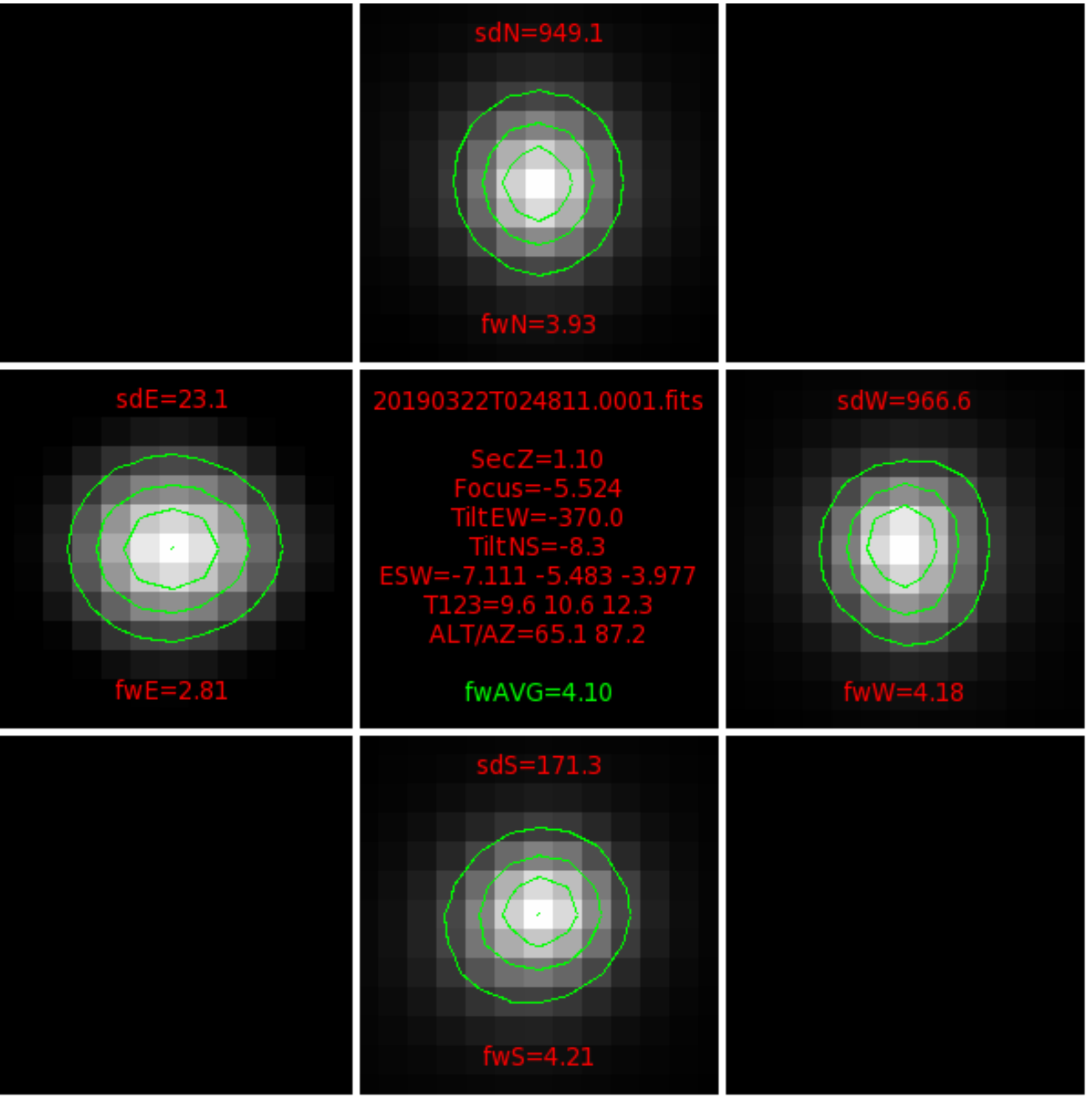
sdN=949.1
fwN=3.93
sdE=23.1
fwE=2.81
20190322T024811.0001.fits
SecZ=1.10
Focus=-5.524
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.111 -5.483 -3.977
T123=9.6 10.6 12.3
ALT/AZ=65.1 87.2
fwAVG=4.10
sdW=966.6
fwW=4.18
sdS=171.3
fwS=4.21
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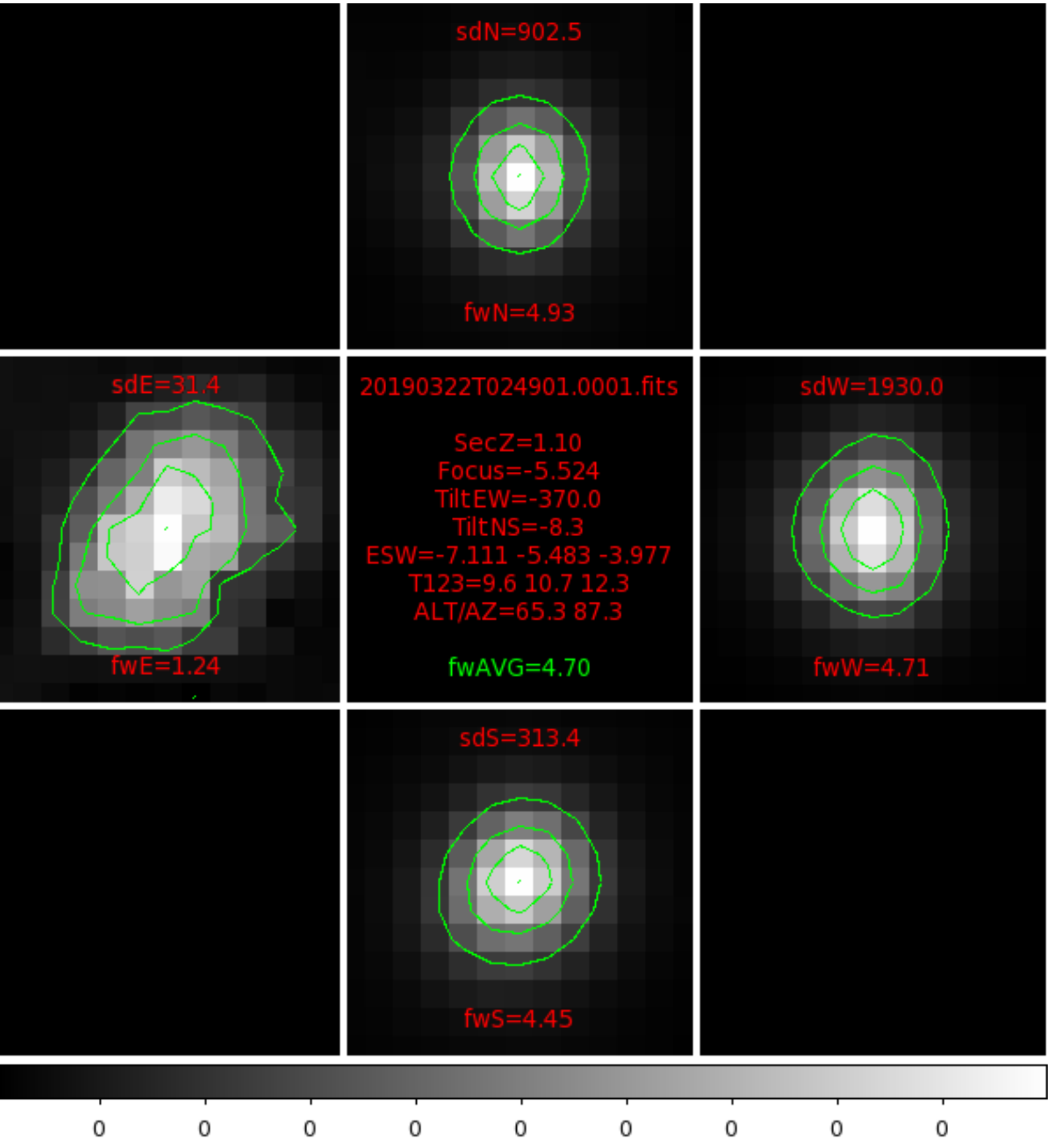
sdN=902.5
fwN=4.93
sdE=31.4
fwE=1.24
20190322T024901.0001.fits
SecZ=1.10
Focus=-5.524
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.111 -5.483 -3.977
T123=9.6 10.7 12.3
ALT/AZ=65.3 87.3
fwAVG=4.70
sdW=1930.0
fwW=4.71
sdS=313.4
fwS=4.45
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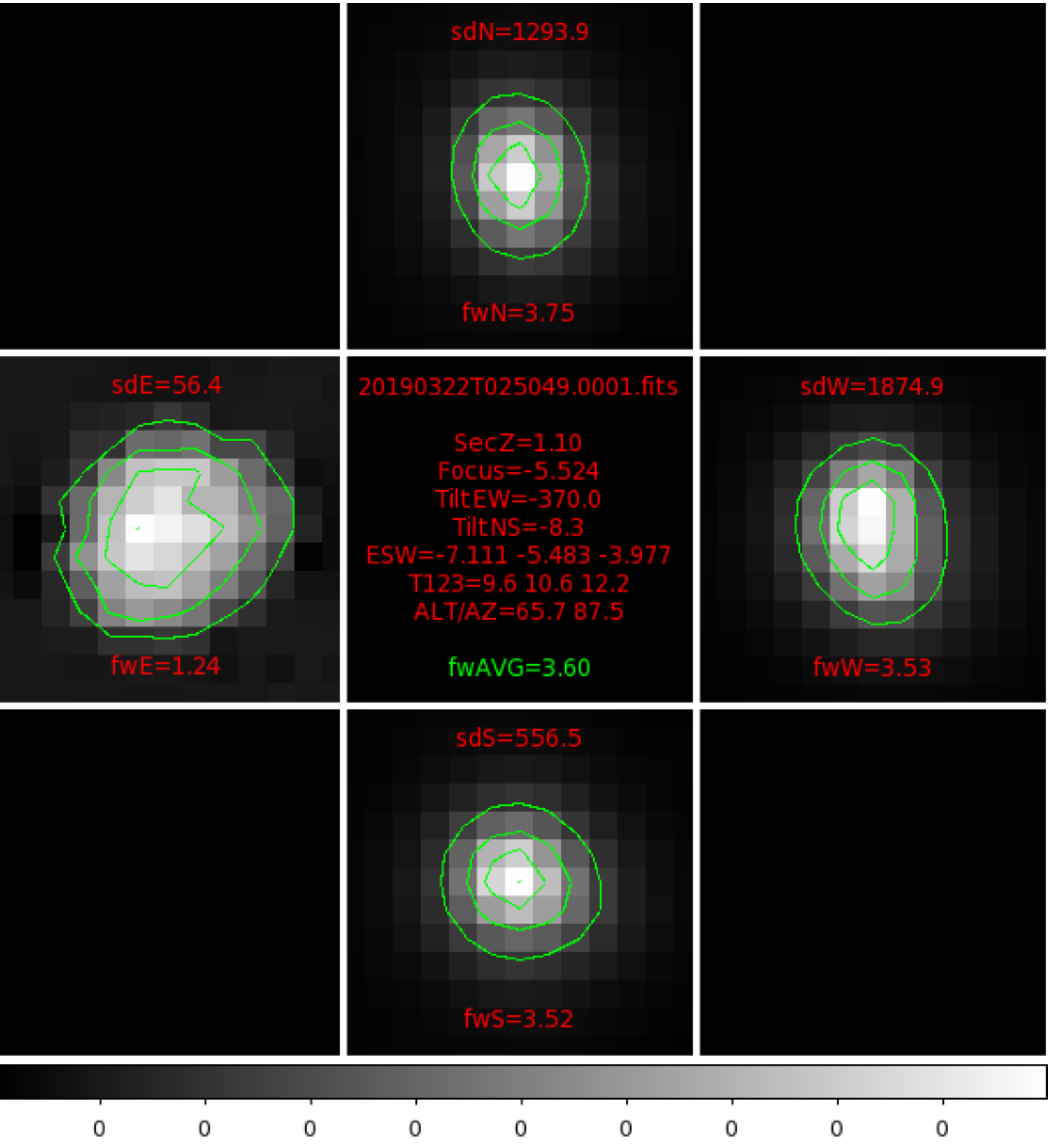
sdN=1293.9
fwN=3.75
sdE=56.4
fwE=1.24
20190322T025049.0001.fits
SecZ=1.10
Focus=-5.524
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.111 -5.483 -3.977
T123=9.6 10.6 12.2
ALT/AZ=65.7 87.5
fwAVG=3.60
sdW=1874.9
fwW=3.53
sdS=556.5
fwS=3.52
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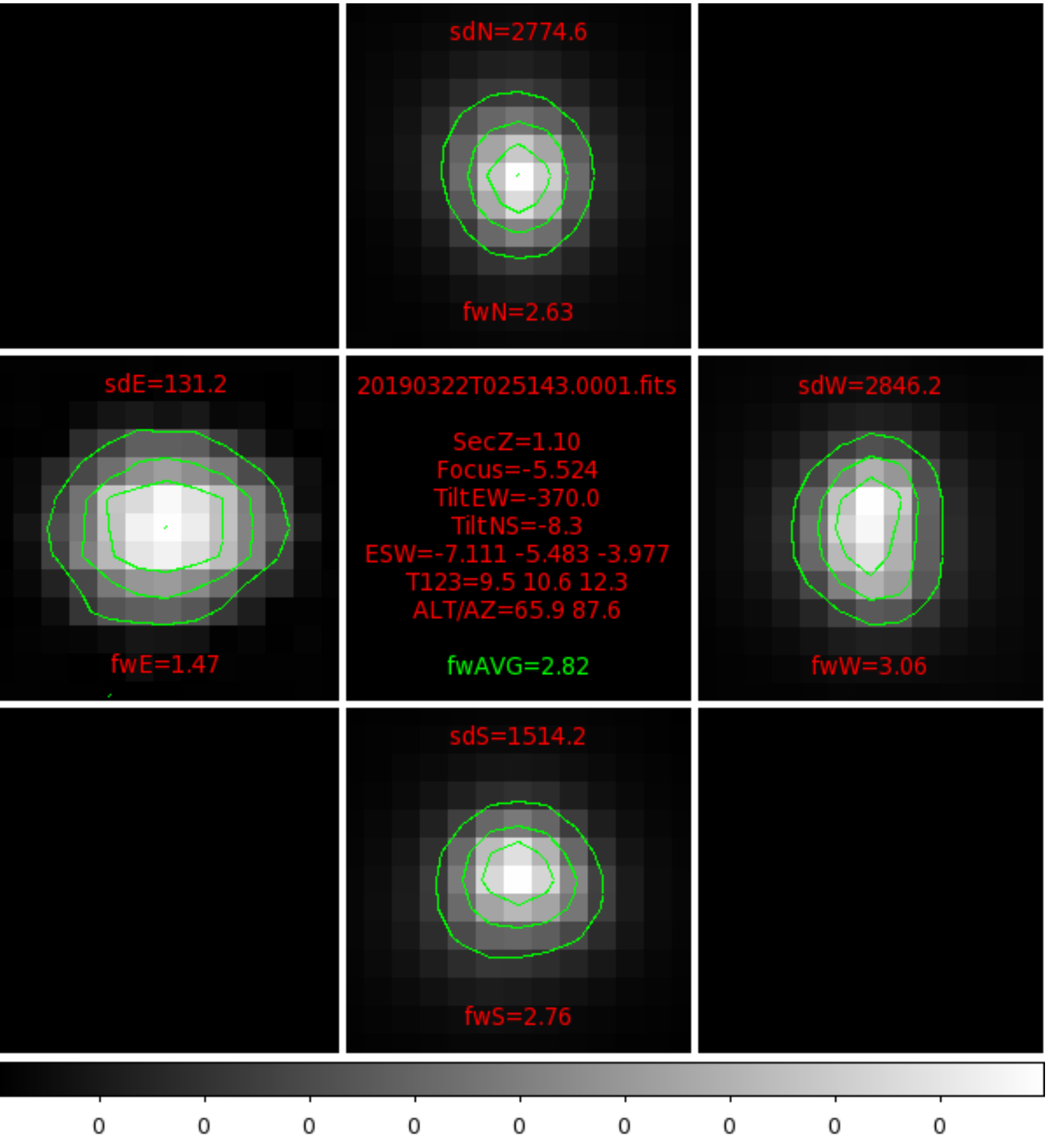
sdN=2774.6
fwN=2.63
sdE=131.2
fwE=1.47
20190322T025143.0001.fits
SecZ=1.10
Focus=-5.524
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.111 -5.483 -3.977
T123=9.5 10.6 12.3
ALT/AZ=65.9 87.6
fwAVG=2.82
sdW=2846.2
fwW=3.06
sdS=1514.2
fwS=2.76
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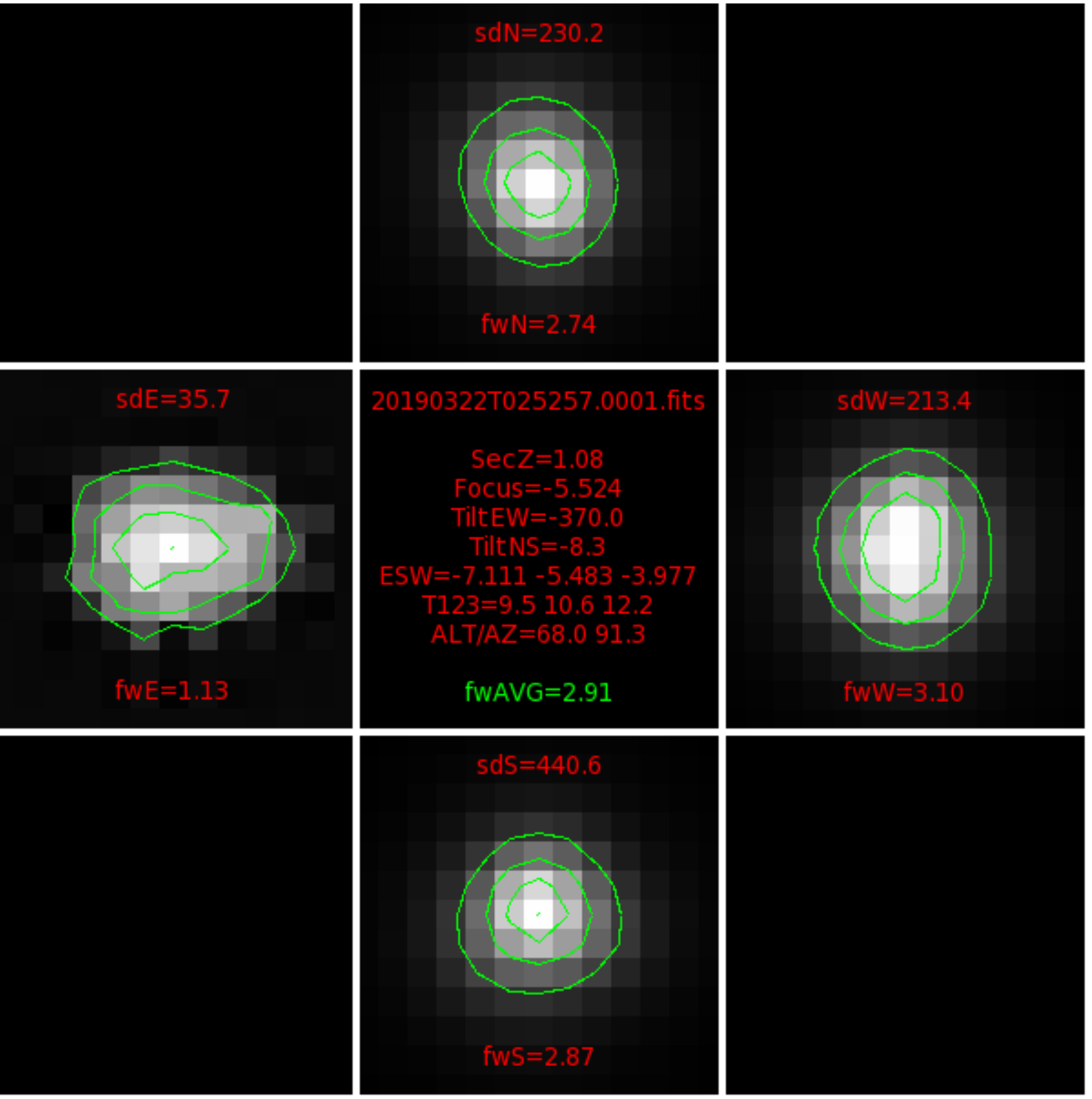
sdN=230.2
fwN=2.74
sdE=35.7
fwE=1.13
20190322T025257.0001.fits
SecZ=1.08
Focus=-5.524
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.111 -5.483 -3.977
T123=9.5 10.6 12.2
ALT/AZ=68.0 91.3
fwAVG=2.91
sdW=213.4
fwW=3.10
sdS=440.6
fwS=2.87
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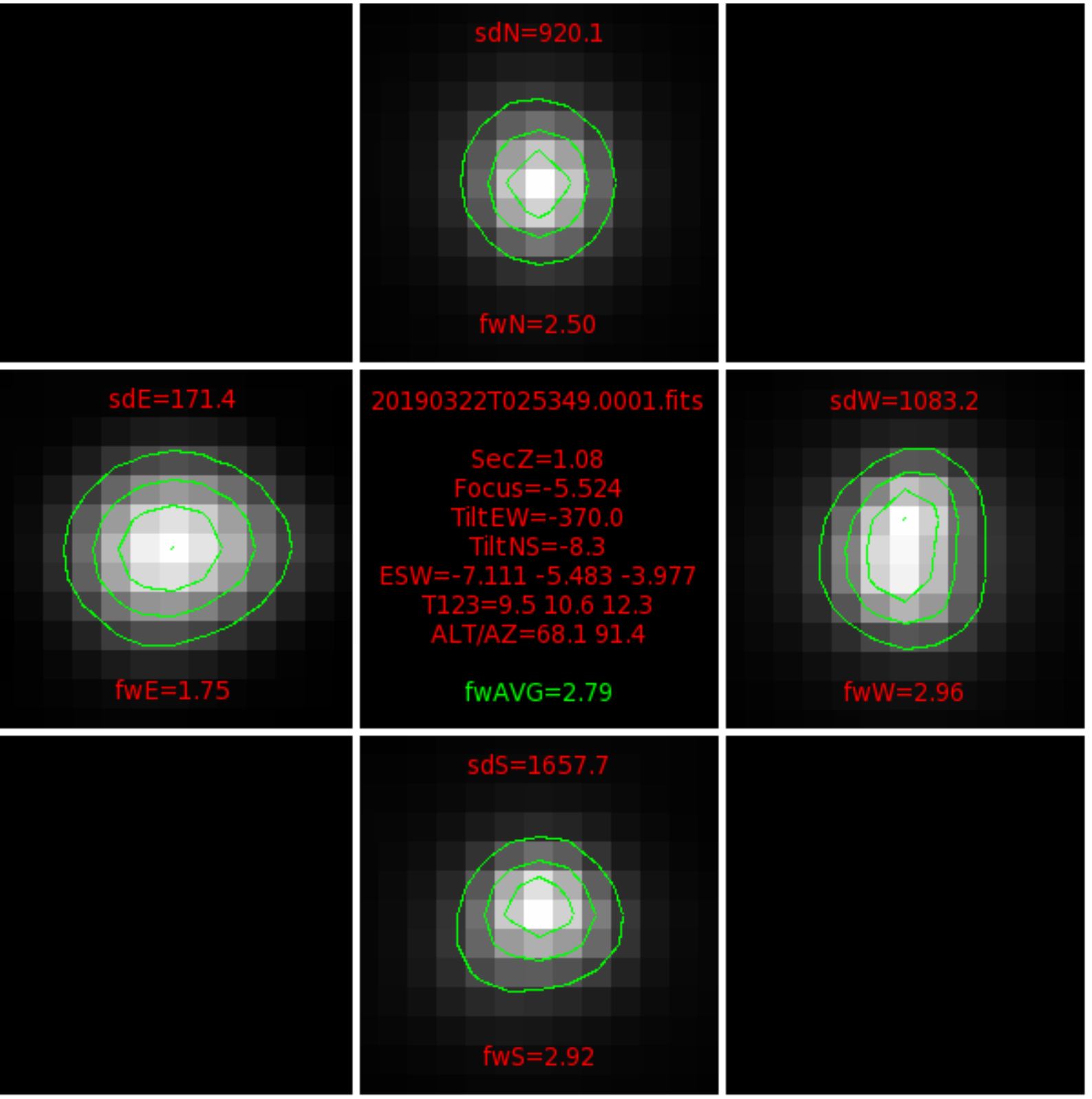
sdN=920.1
fwN=2.50
sdE=171.4
fwE=1.75
20190322T025349.0001.fits
SecZ=1.08
Focus=-5.524
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.111 -5.483 -3.977
T123=9.5 10.6 12.3
ALT/AZ=68.1 91.4
fwAVG=2.79
sdW=1083.2
fwW=2.96
sdS=1657.7
fwS=2.92
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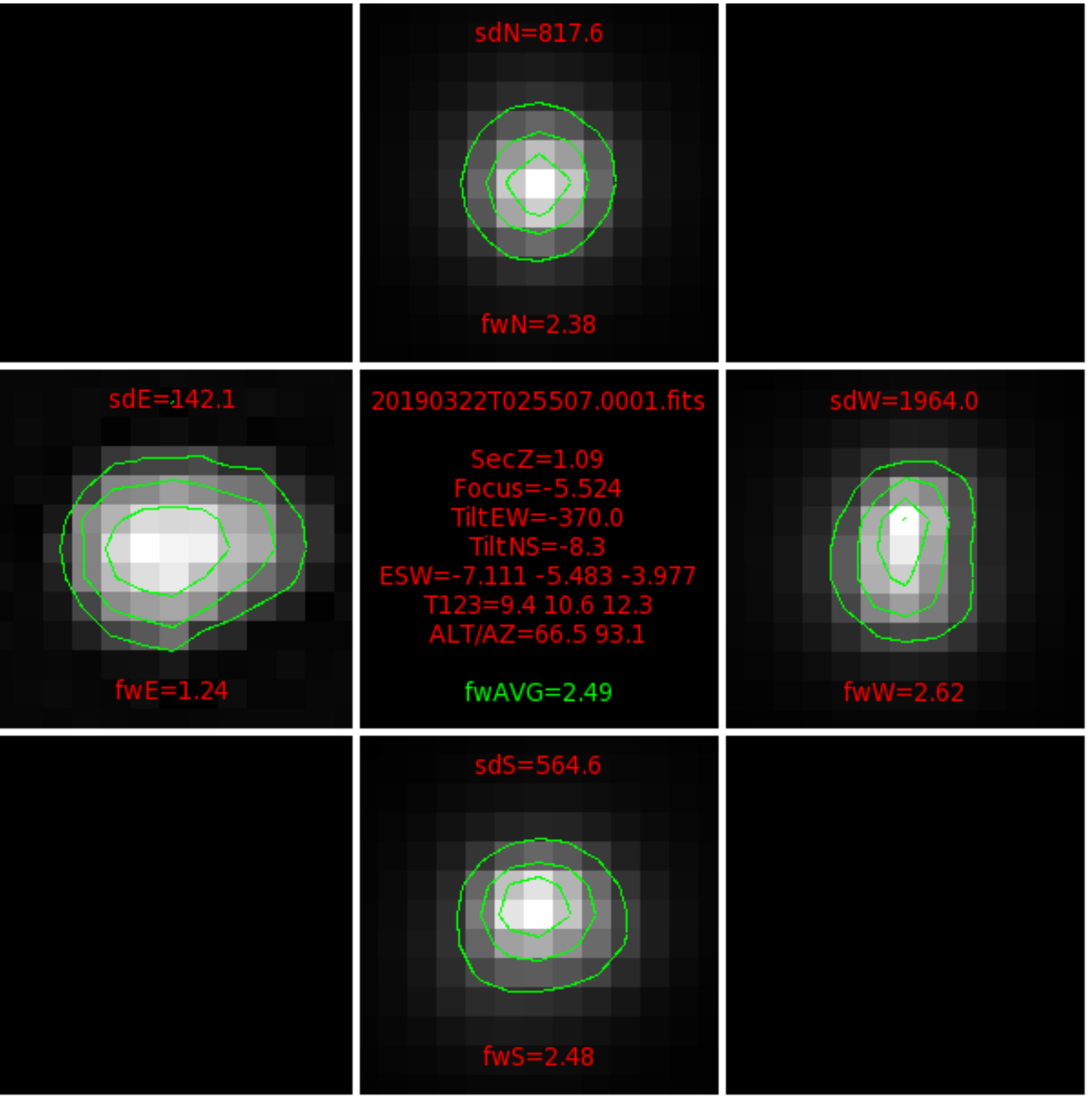
sdN=817.6
fwN=2.38
sdE=142.1
fwE=1.24
20190322T025507.0001.fits
SecZ=1.09
Focus=-5.524
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.111 -5.483 -3.977
T123=9.4 10.6 12.3
ALT/AZ=66.5 93.1
fwAVG=2.49
sdW=1964.0
fwW=2.62
sdS=564.6
fwS=2.48
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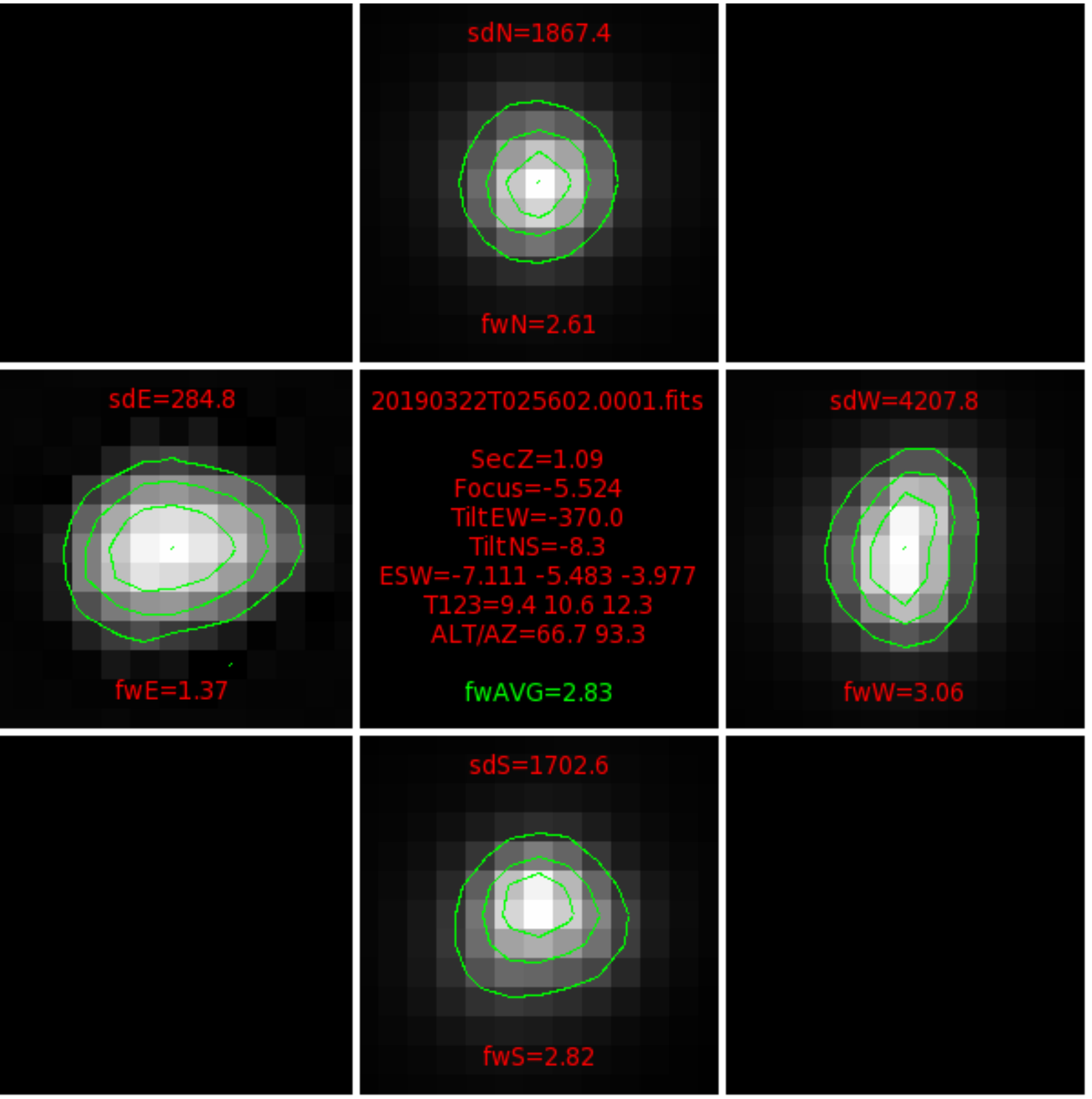
sdN=1867.4
fwN=2.61
sdE=284.8
fwE=1.37
20190322T025602.0001.fits
SecZ=1.09
Focus=-5.524
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.111 -5.483 -3.977
T123=9.4 10.6 12.3
ALT/AZ=66.7 93.3
fwAVG=2.83
sdW=4207.8
fwW=3.06
sdS=1702.6
fwS=2.82
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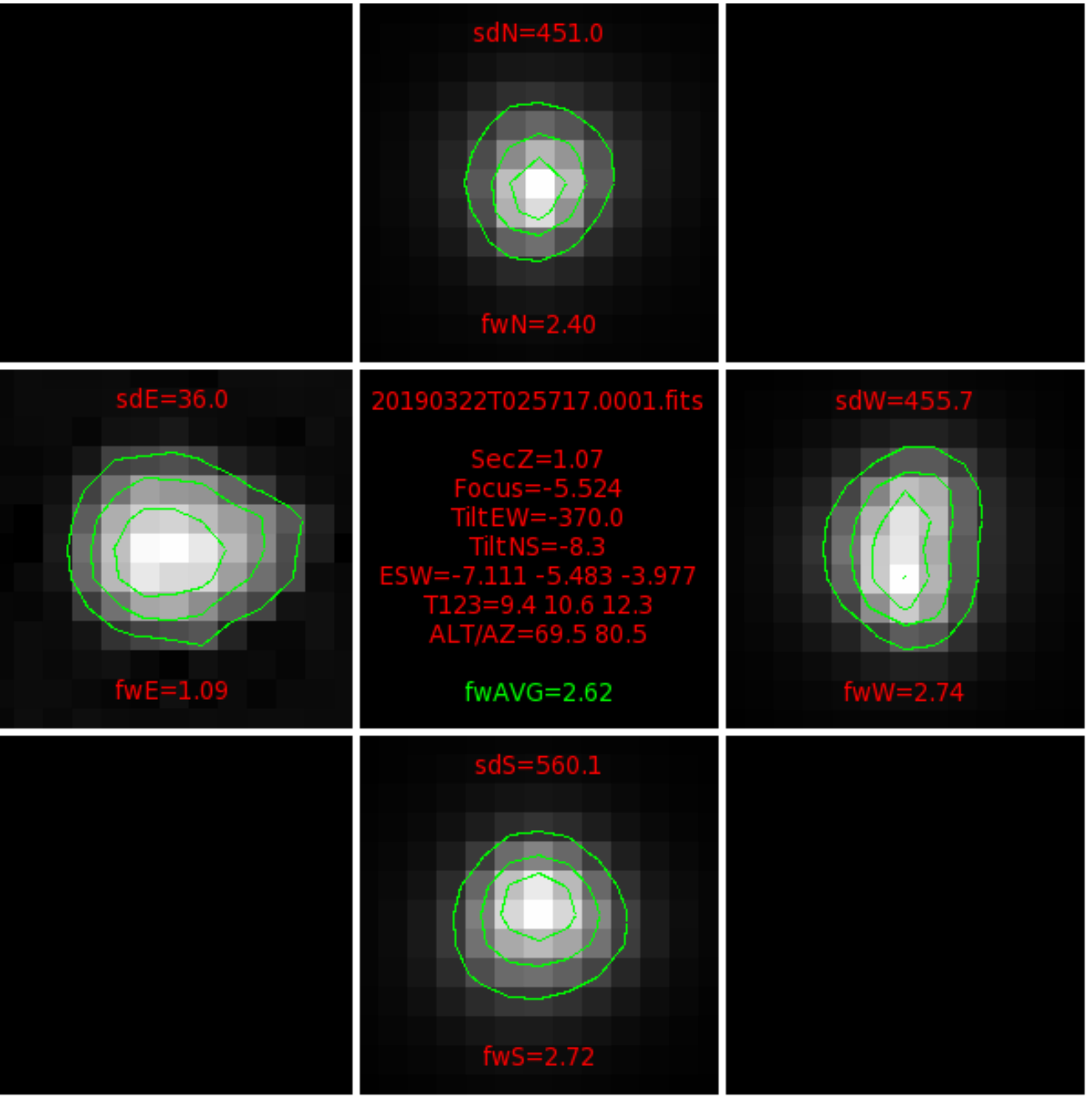
sdN=451.0
fwN=2.40
sdE=36.0
fwE=1.09
20190322T025717.0001.fits
SecZ=1.07
Focus=-5.524
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.111 -5.483 -3.977
T123=9.4 10.6 12.3
ALT/AZ=69.5 80.5
fwAVG=2.62
sdW=455.7
fwW=2.74
sdS=560.1
fwS=2.72
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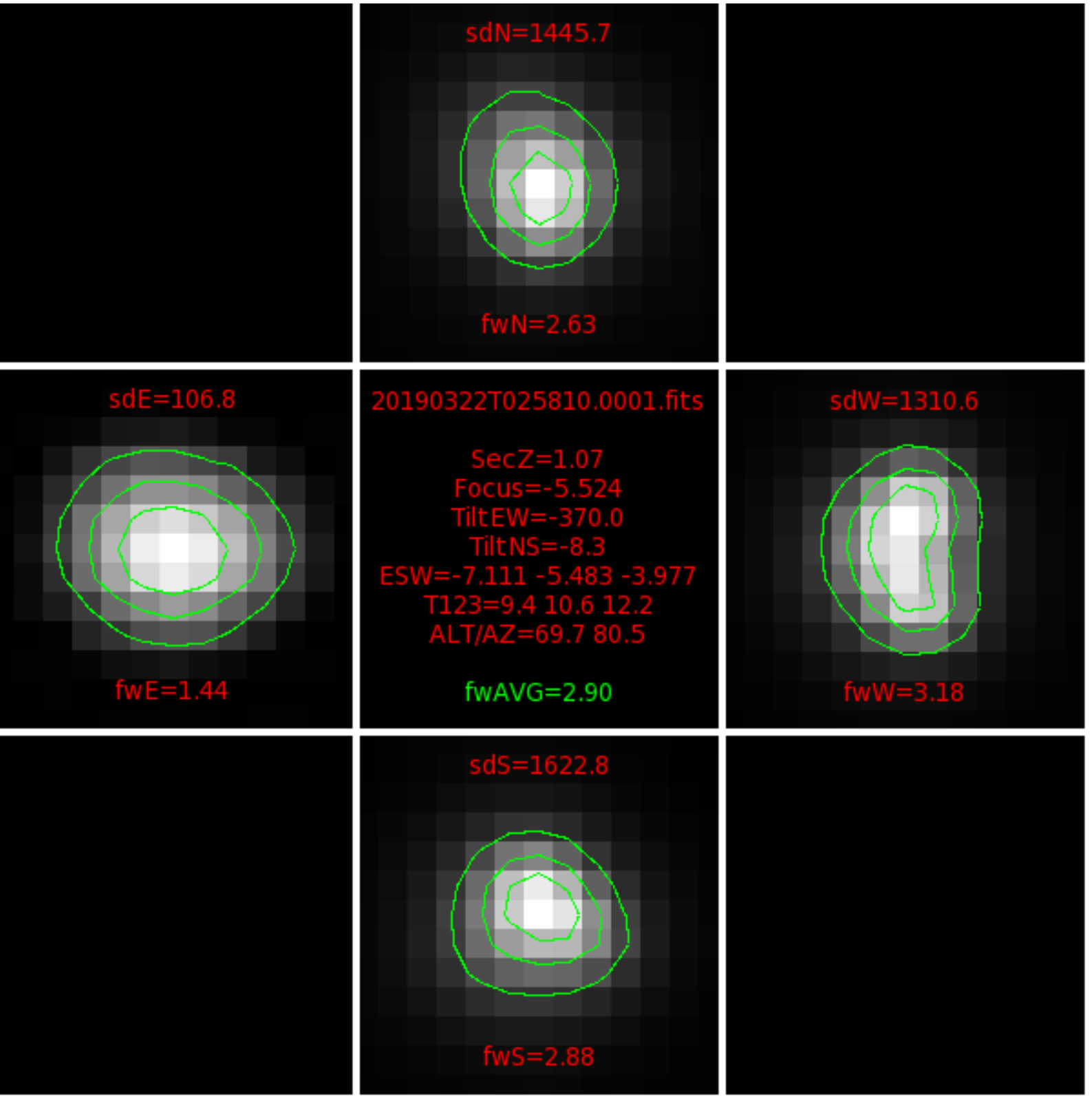
sdN=1445.7
fwN=2.63
sdE=106.8
fwE=1.44
20190322T025810.0001.fits
SecZ=1.07
Focus=-5.524
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.111 -5.483 -3.977
T123=9.4 10.6 12.2
ALT/AZ=69.7 80.5
fwAVG=2.90
sdW=1310.6
fwW=3.18
sdS=1622.8
fwS=2.88
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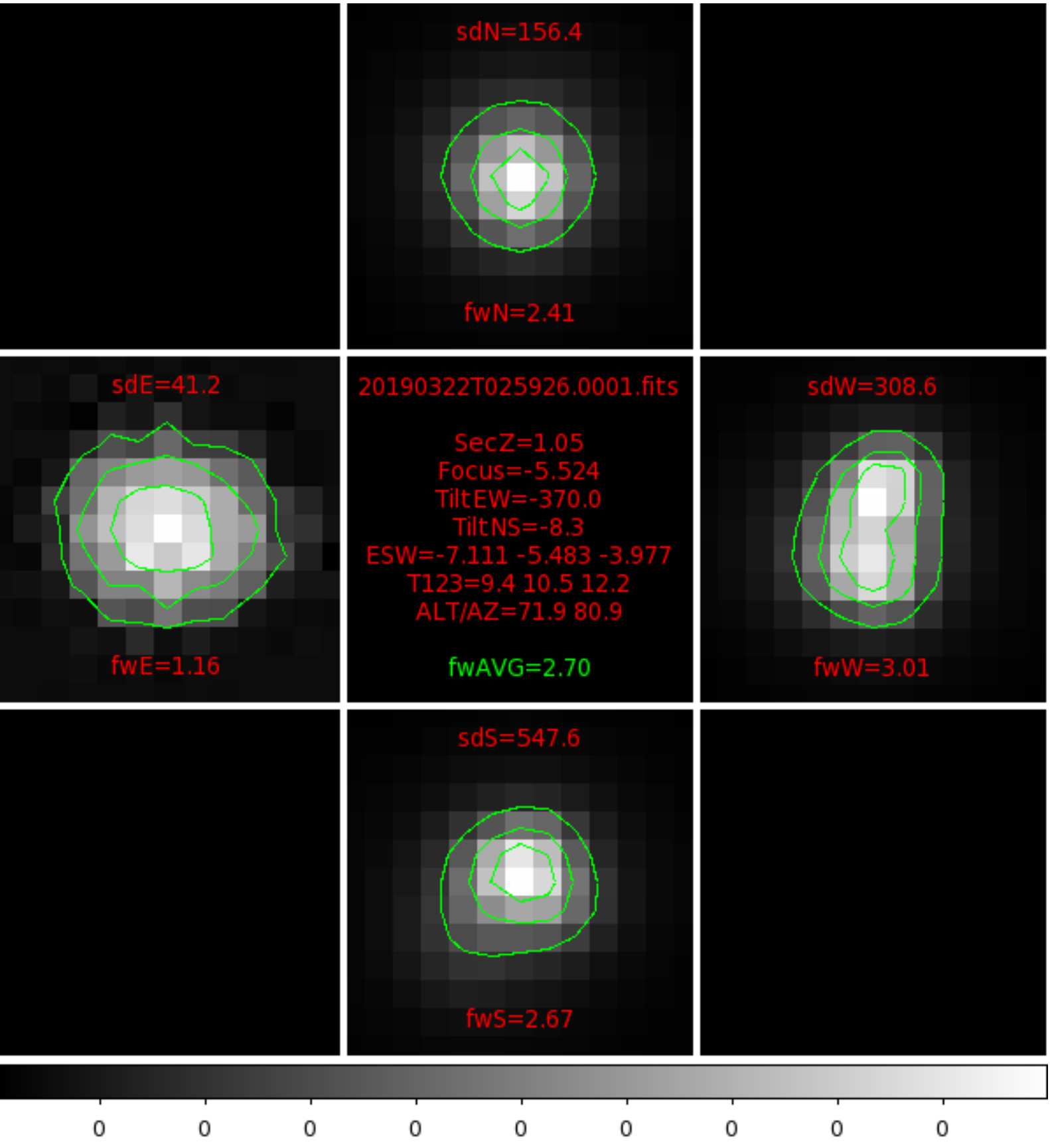
sdN=156.4
fwN=2.41
sdE=41.2
fwE=1.16
20190322T025926.0001.fits
SecZ=1.05
Focus=-5.524
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.111 -5.483 -3.977
T123=9.4 10.5 12.2
ALT/AZ=71.9 80.9
fwAVG=2.70
sdW=308.6
fwW=3.01
sdS=547.6
fwS=2.67
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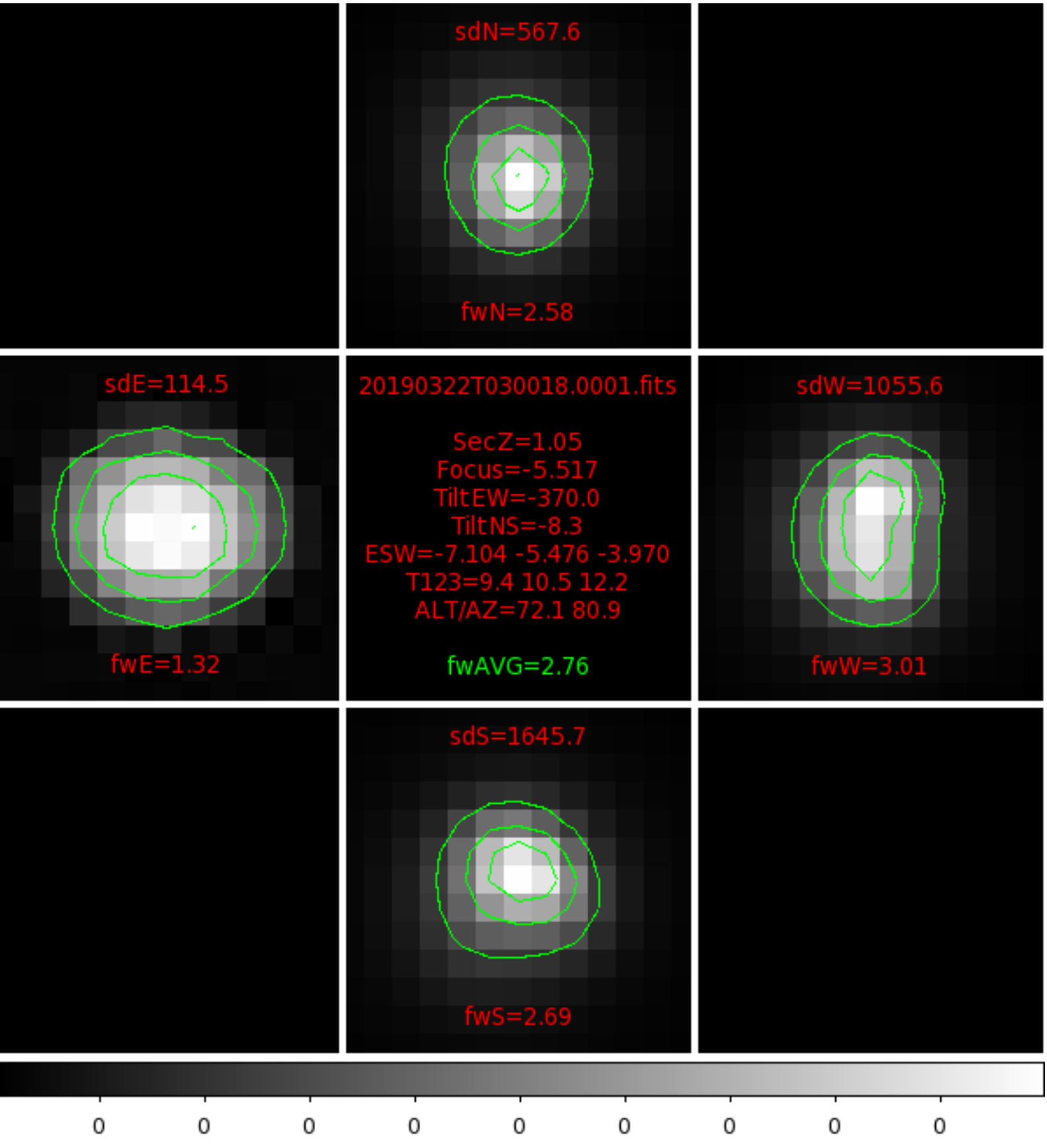
sdN=567.6
fwN=2.58
sdE=114.5
fwE=1.32
20190322T030018.0001.fits
SecZ=1.05
Focus=-5.517
TiltEW=-370.0
TiltNS=-8.3
ESW=-7.104 -5.476 -3.970
T123=9.4 10.5 12.2
ALT/AZ=72.1 80.9
fwAVG=2.76
sdW=1055.6
fwW=3.01
sdS=1645.7
fwS=2.69
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